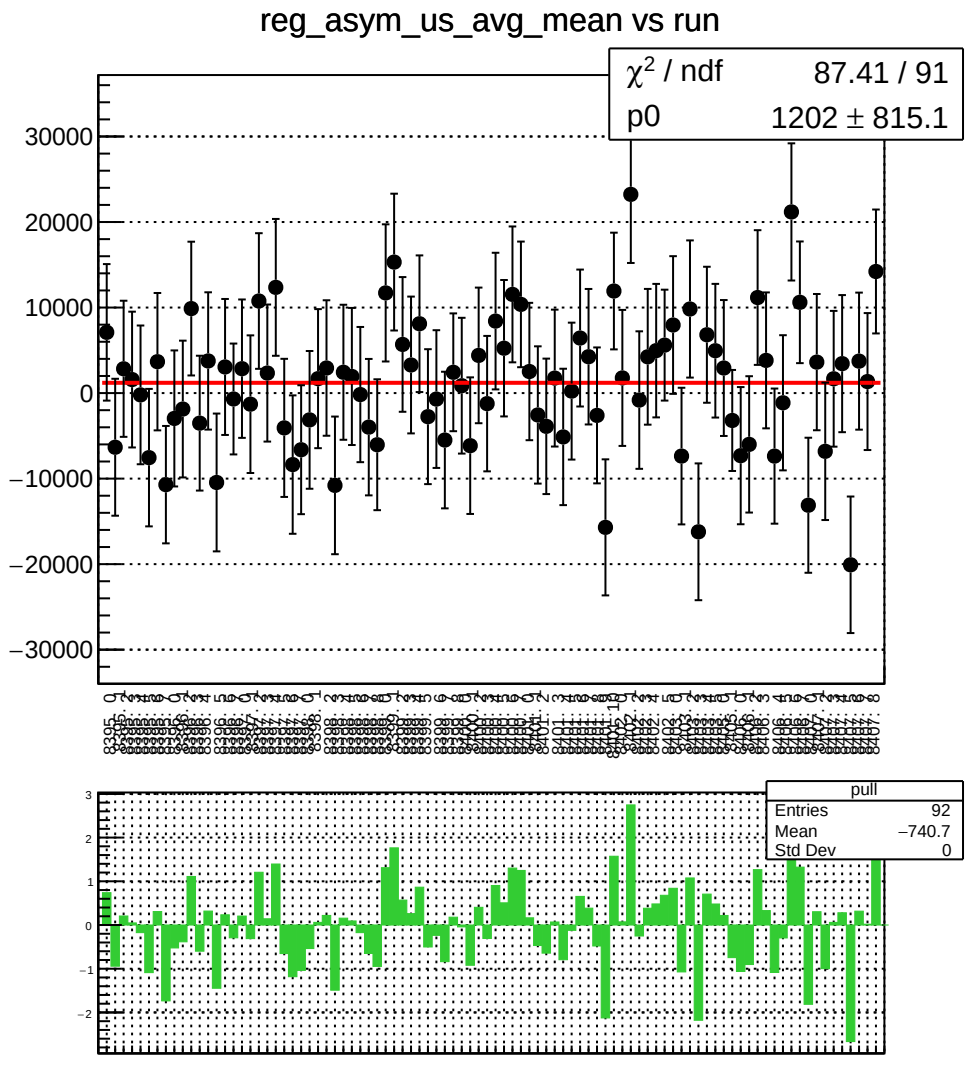
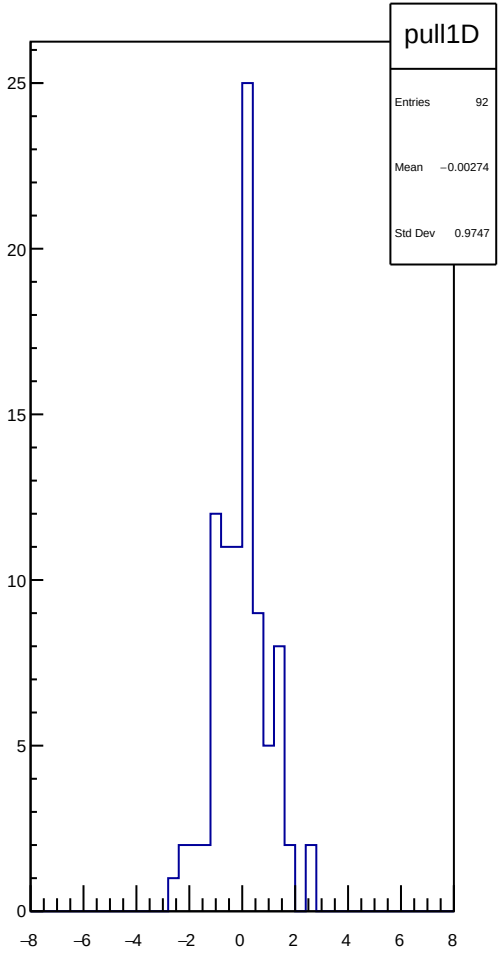
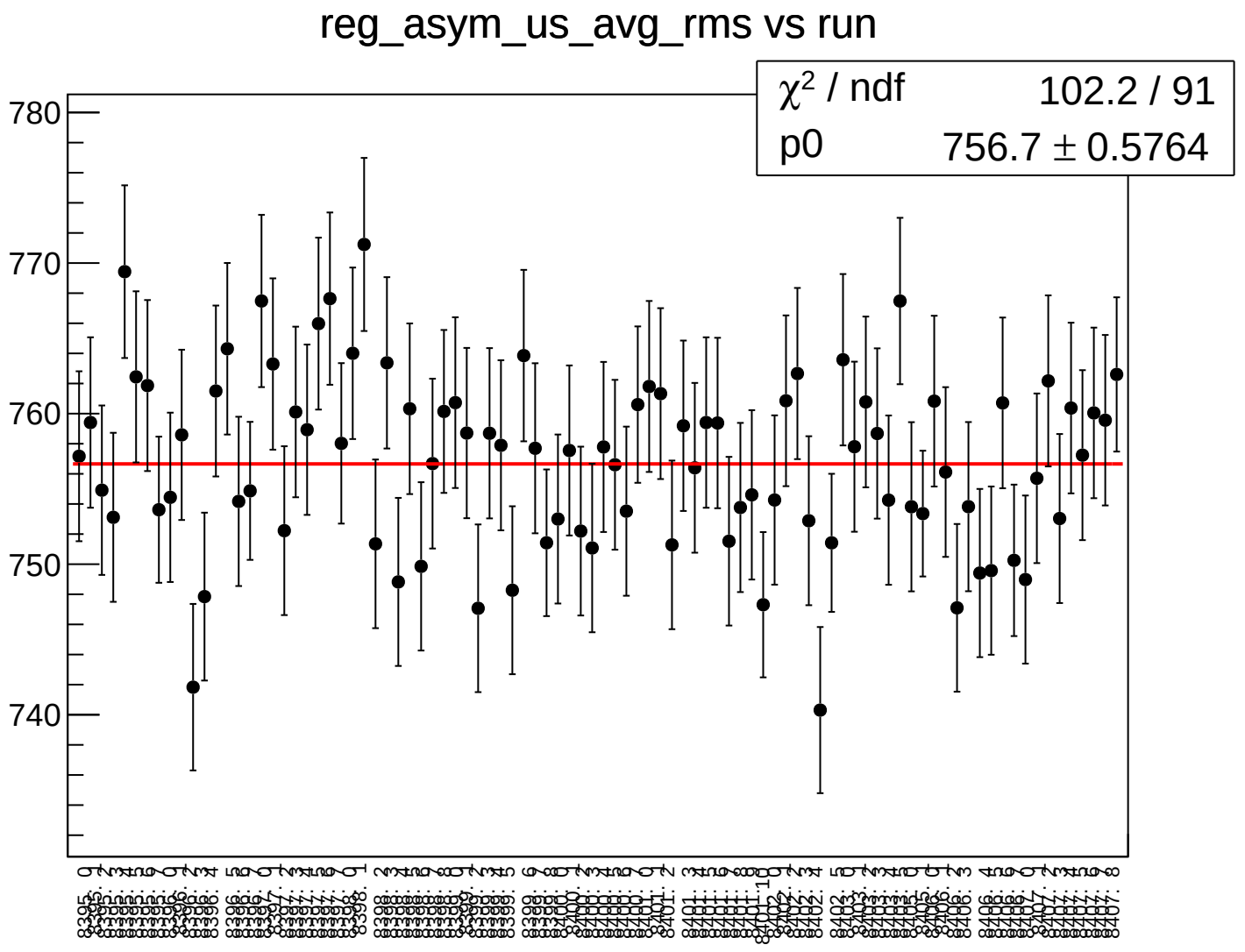
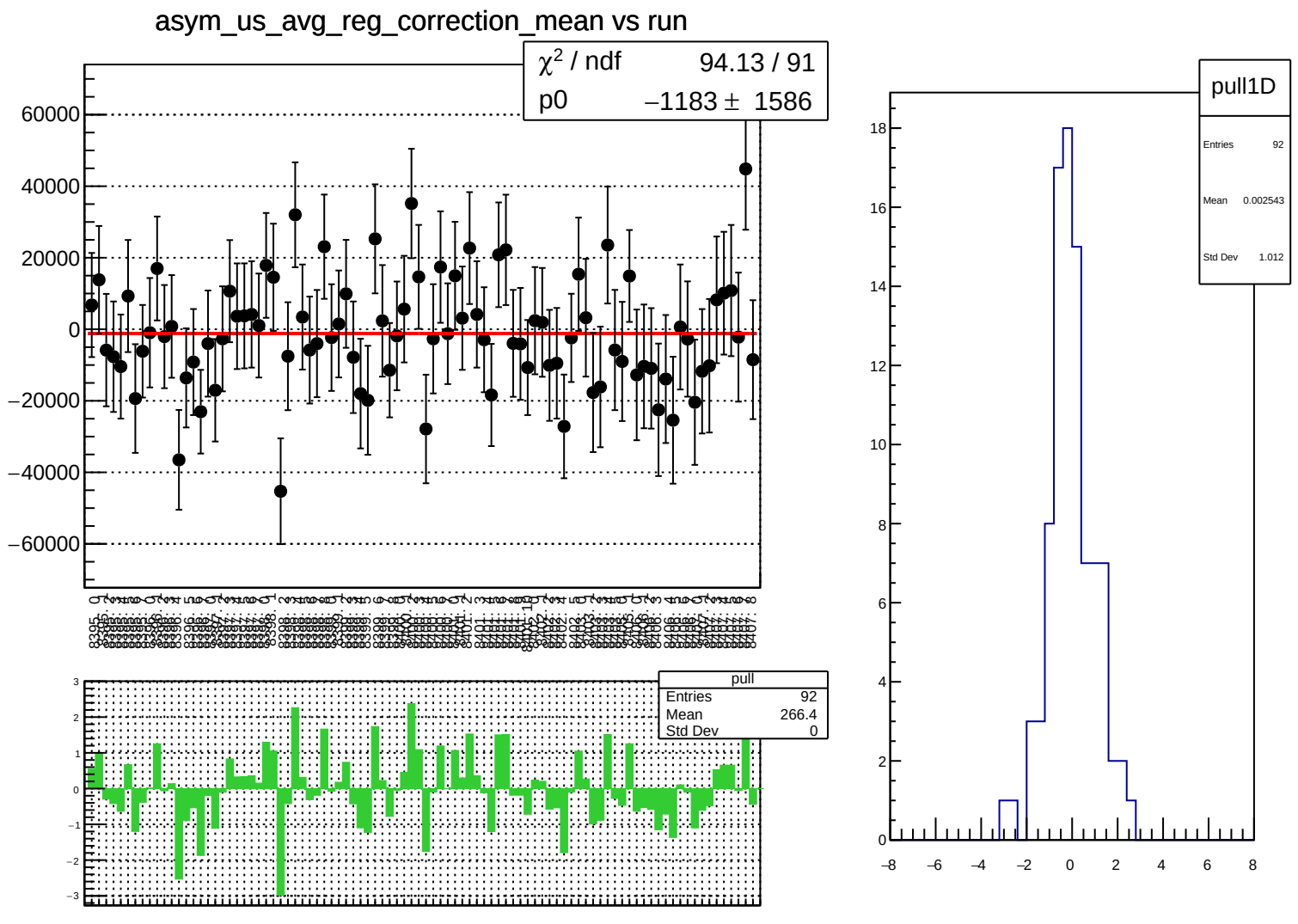
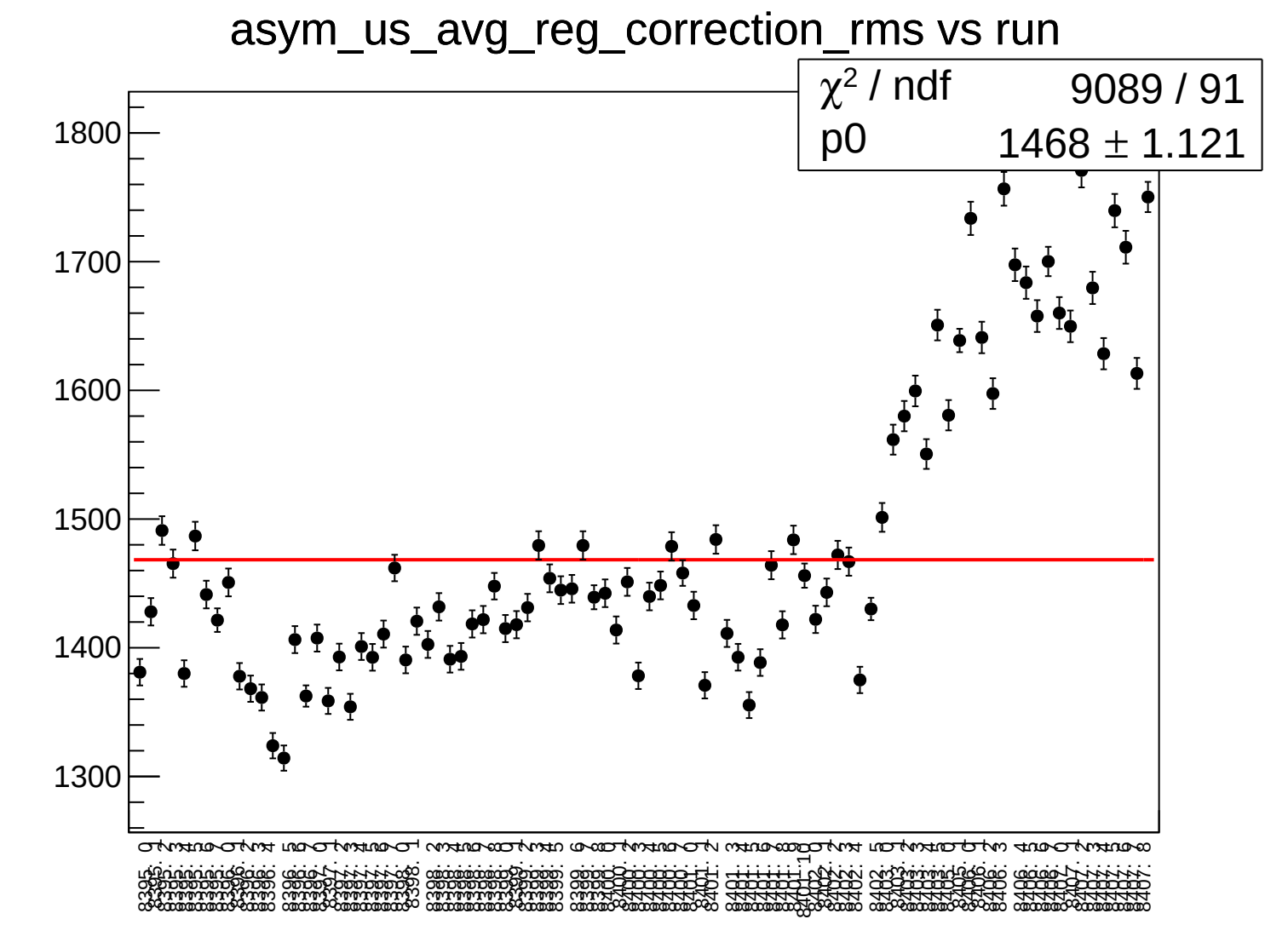
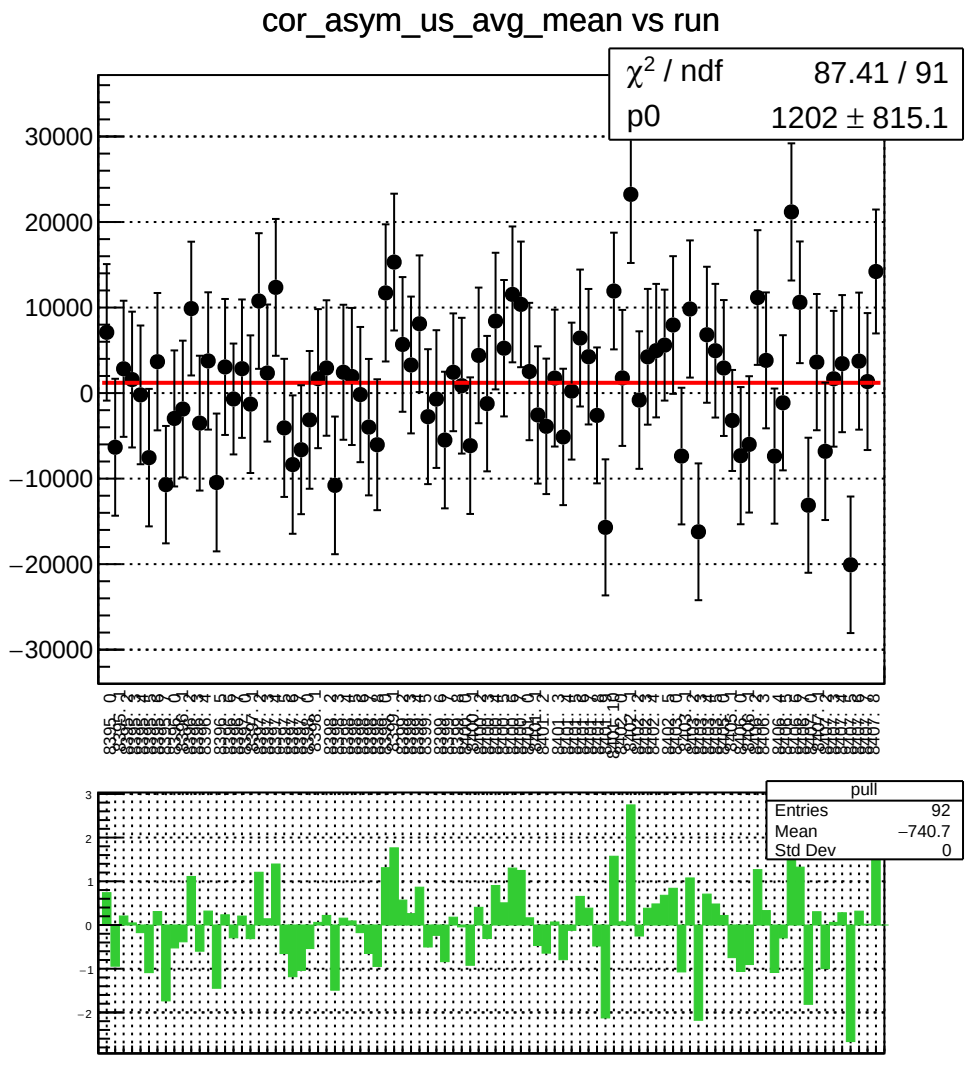

reg_asym_us_avg_mean vs run
χ² / ndf 87.41 / 91
p0 1202 ± 815.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −740.7
Std Dev 0
3
2
1
0
−1
−2

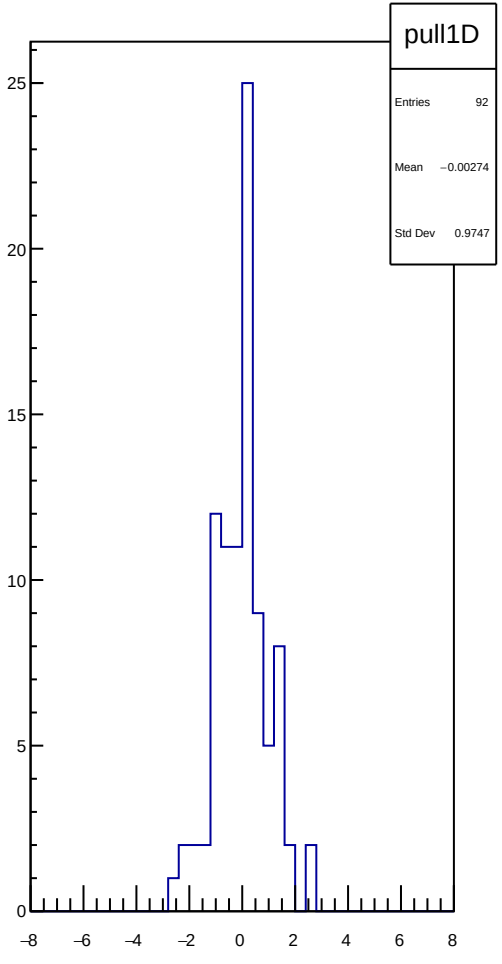

pull1D
Entries 92
Mean −0.00274
Std Dev 0.9747
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
$\chi^2$ / ndf 102.2 / 91
p0 756.7 ± 0.5764
780
770
760
750
740


asym_us_avg_reg_correction_mean vs run
χ² / ndf 94.13 / 91
p0 −1183 ± 1586
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 266.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.002543
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 9089 / 91
p0 1468 ± 1.121
1800
1700
1600
1500
1400
1300


cor_asym_us_avg_mean vs run
χ² / ndf 87.41 / 91
p0 1202 ± 815.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −740.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.00274
Std Dev 0.9747
25
20
15
10
5
0
−8
−6
−4
−2
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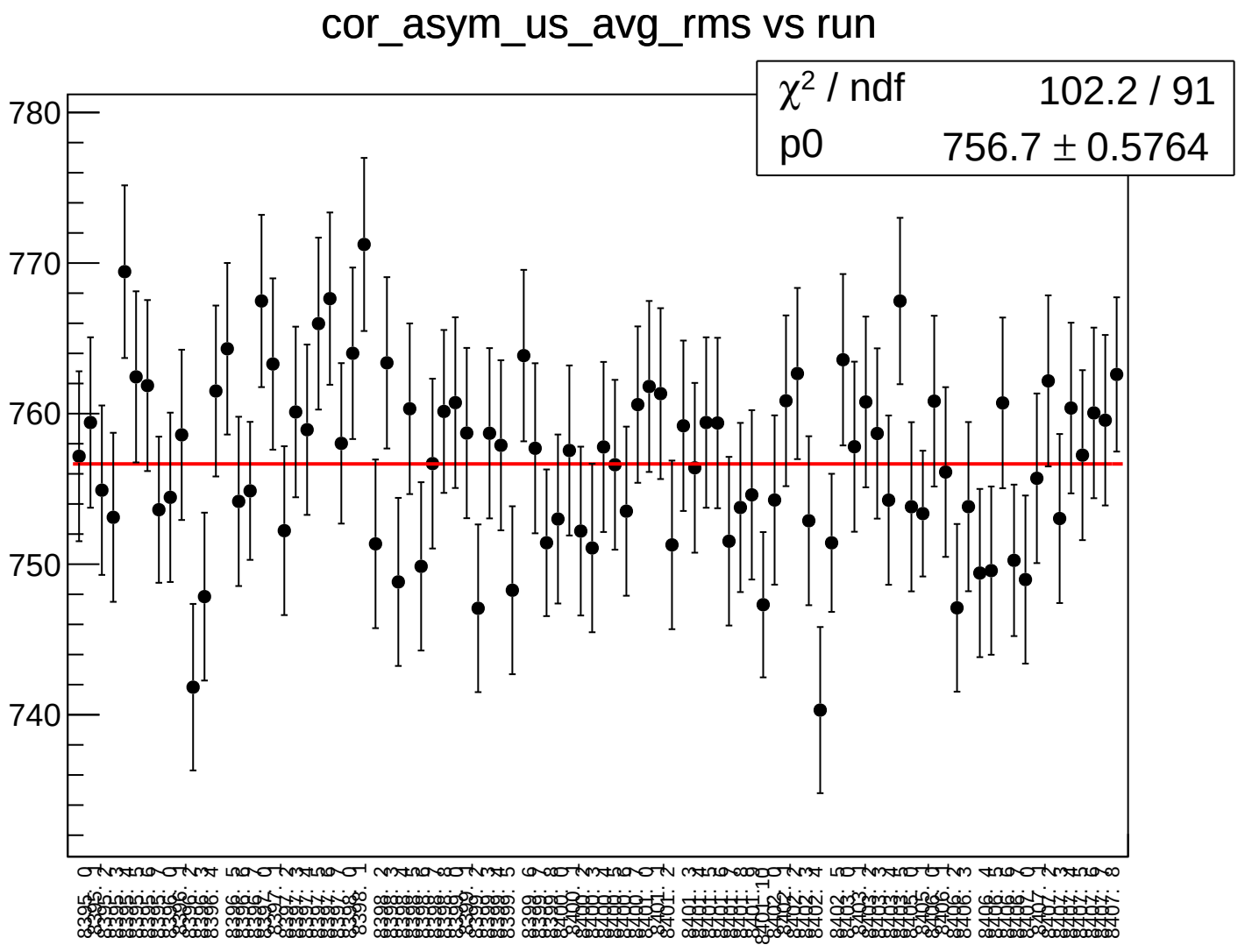
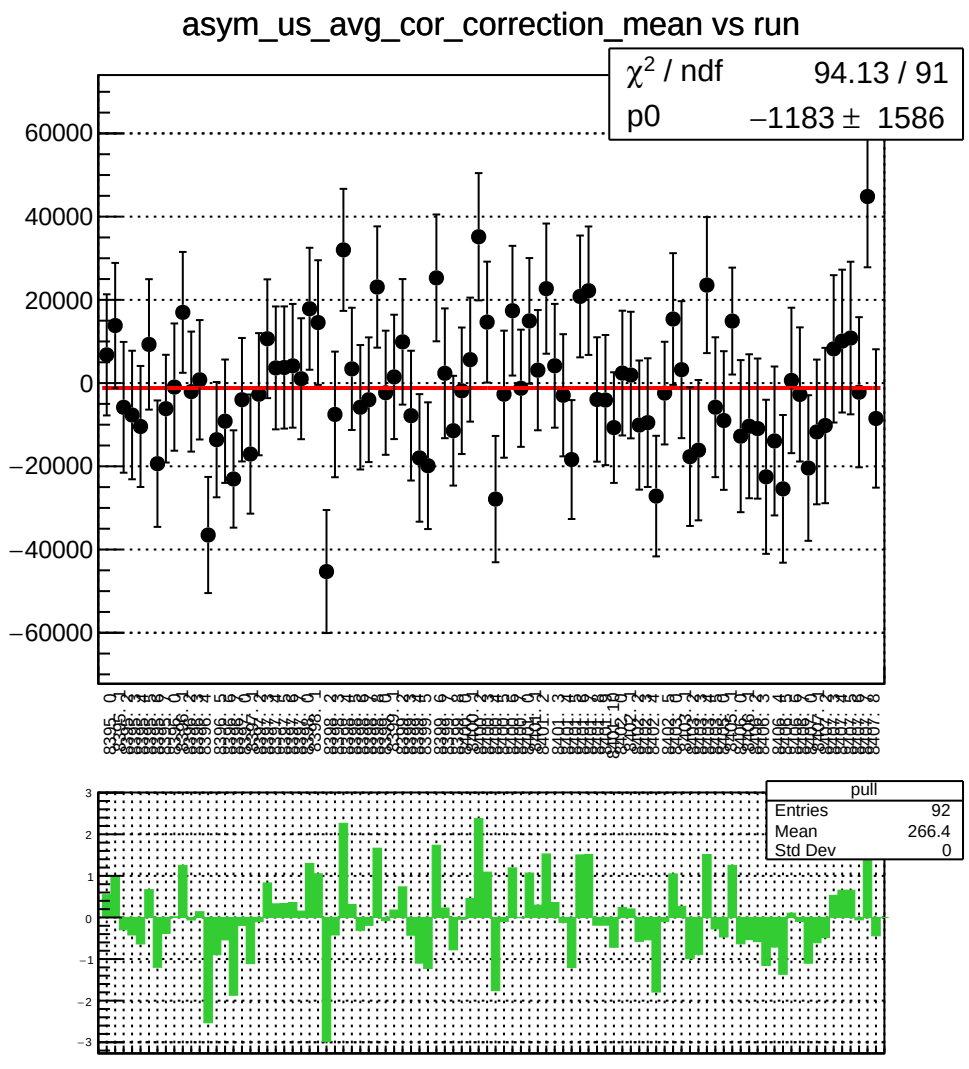
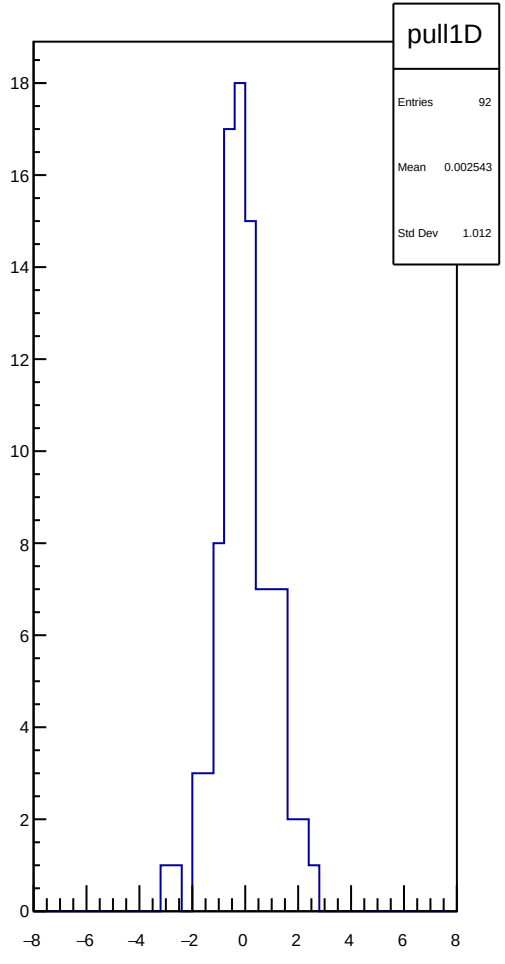
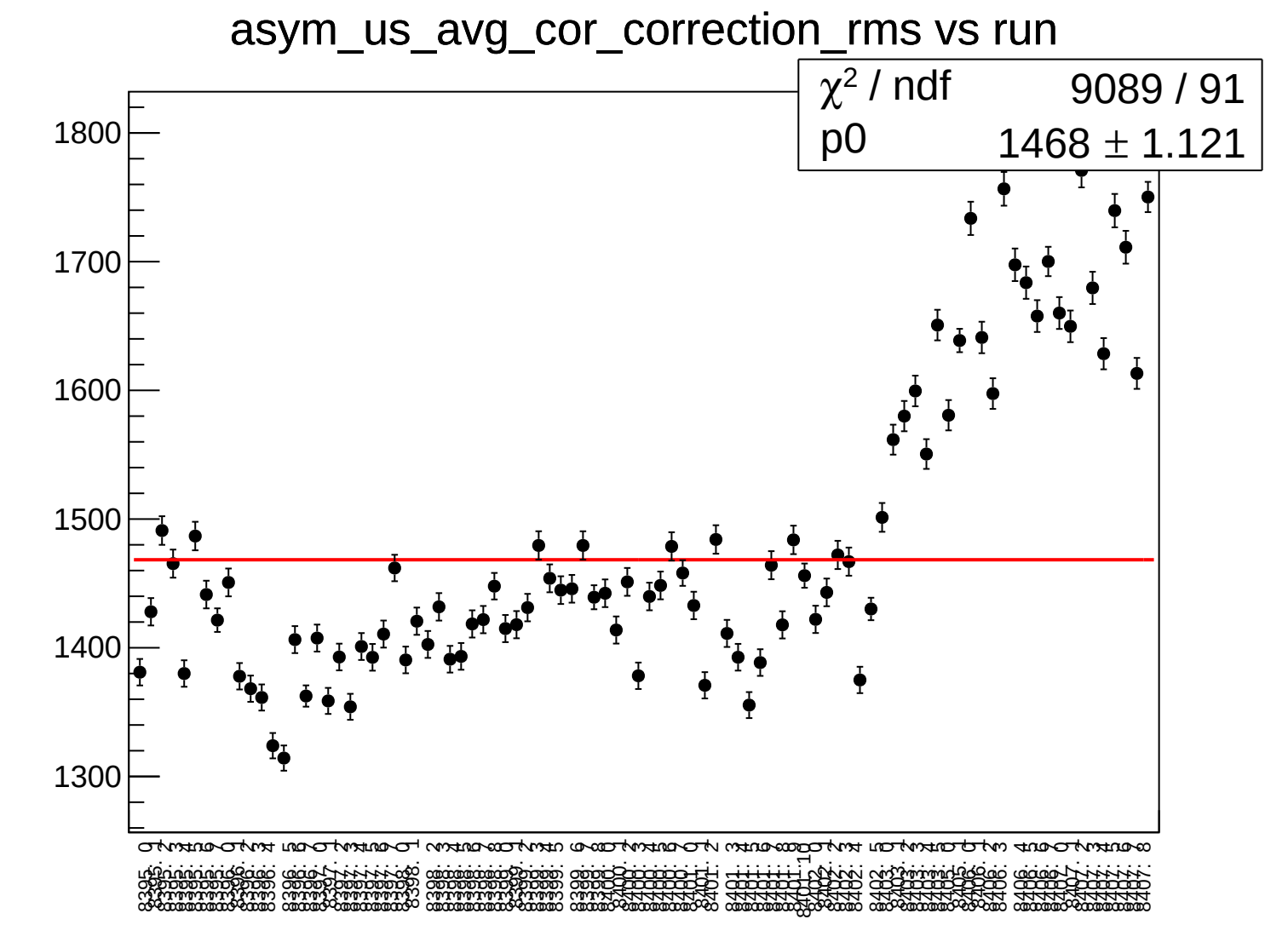
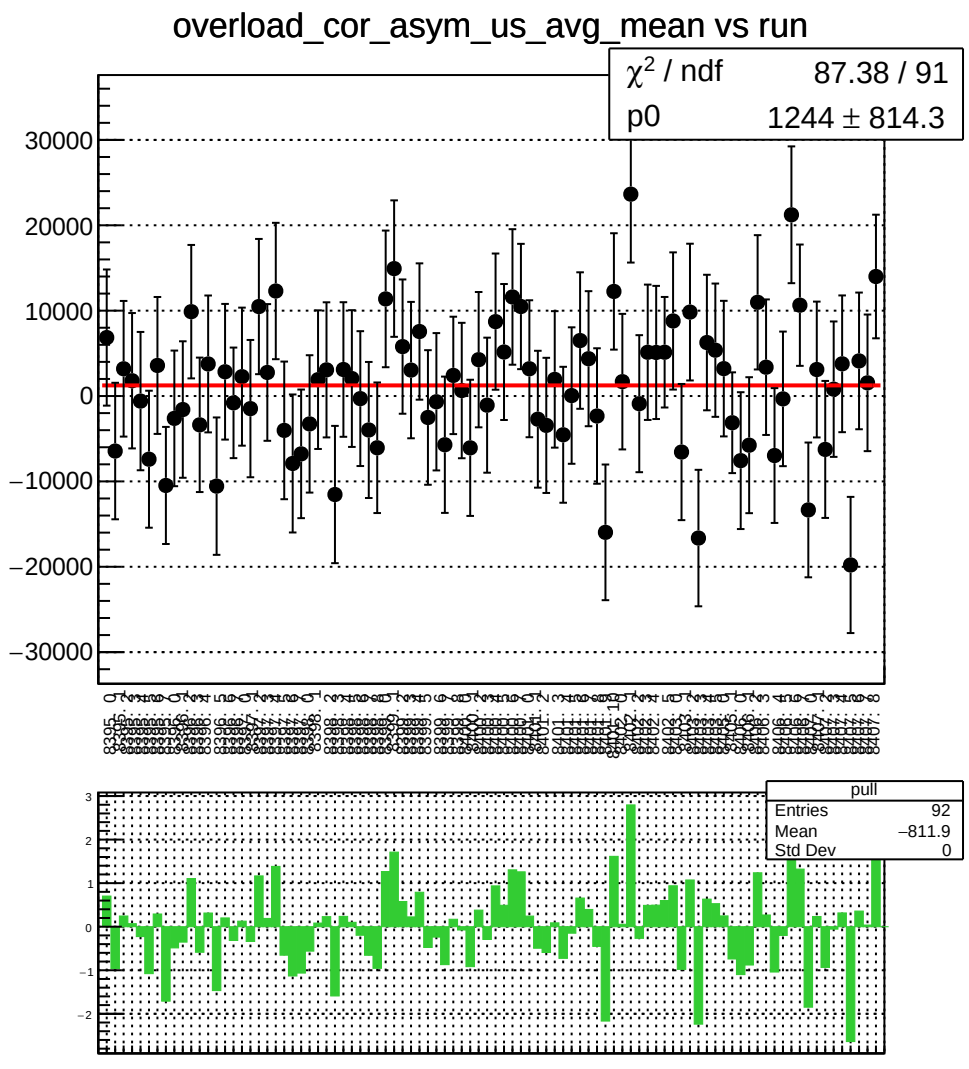
2
4
6
8

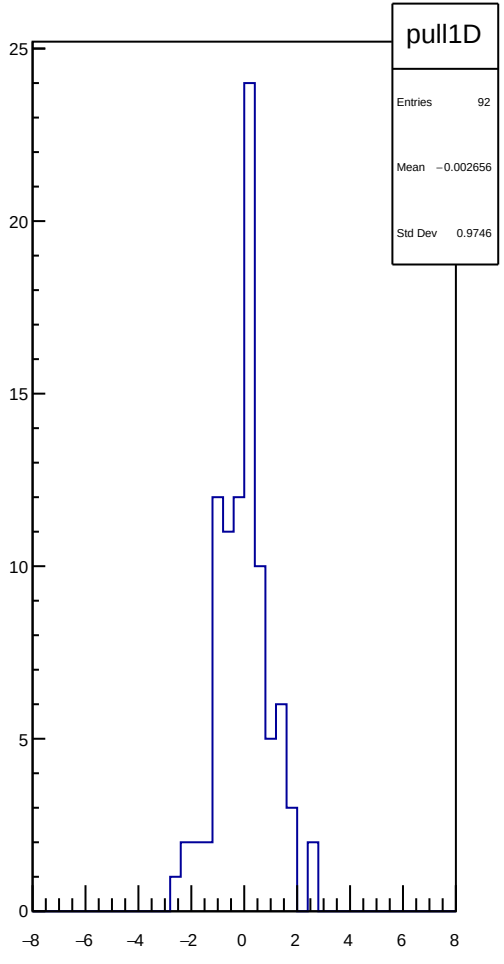

cor_asym_us_avg_rms vs run
$\chi^2$ / ndf 102.2 / 91
p0 756.7 ± 0.5764
780
770
760
750
740

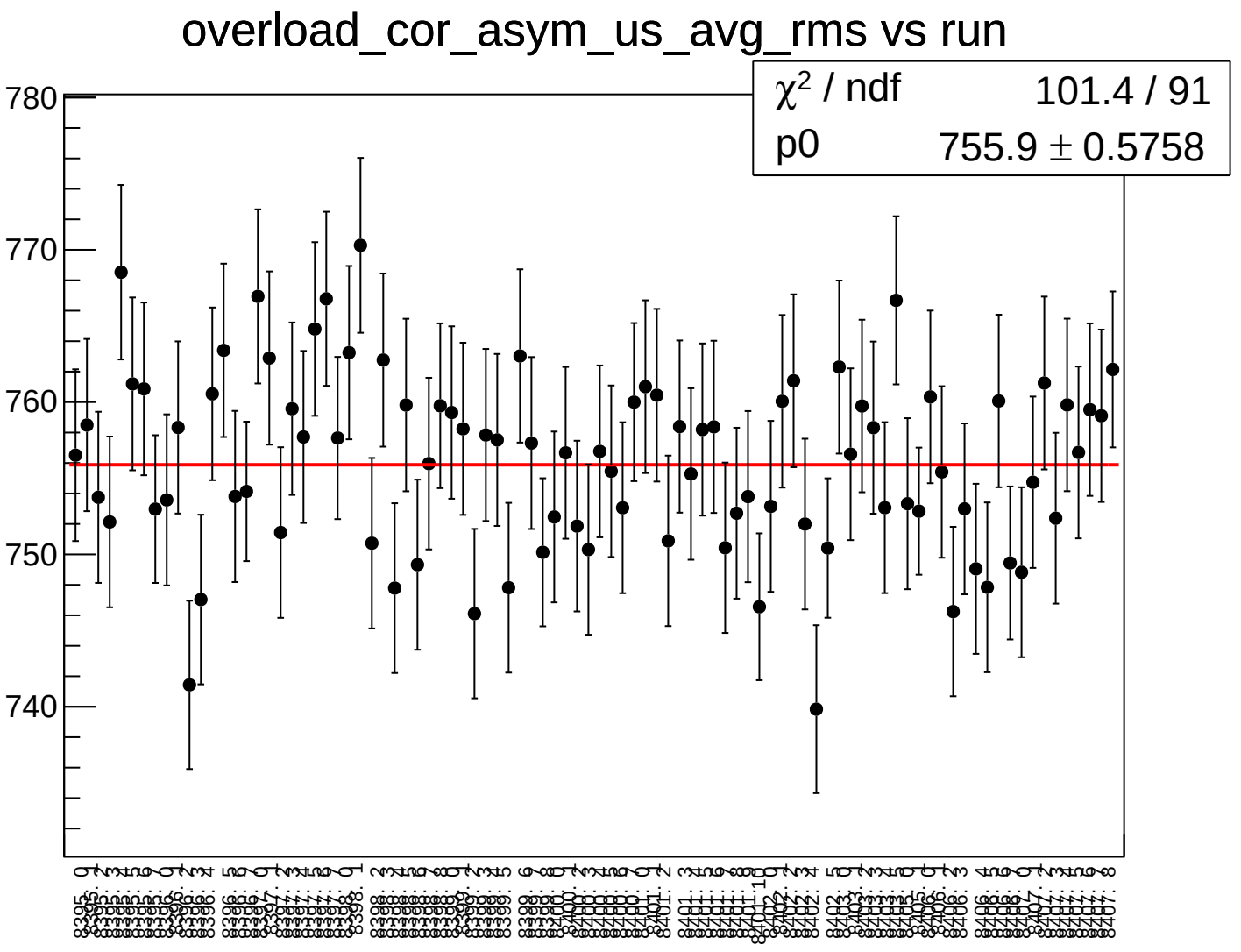

asym_us_avg_cor_correction_mean vs run
χ² / ndf 94.13 / 91
p0 −1183 ± 1586
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 266.4
Std Dev 0
3
2
1
0
−1
−2
−3

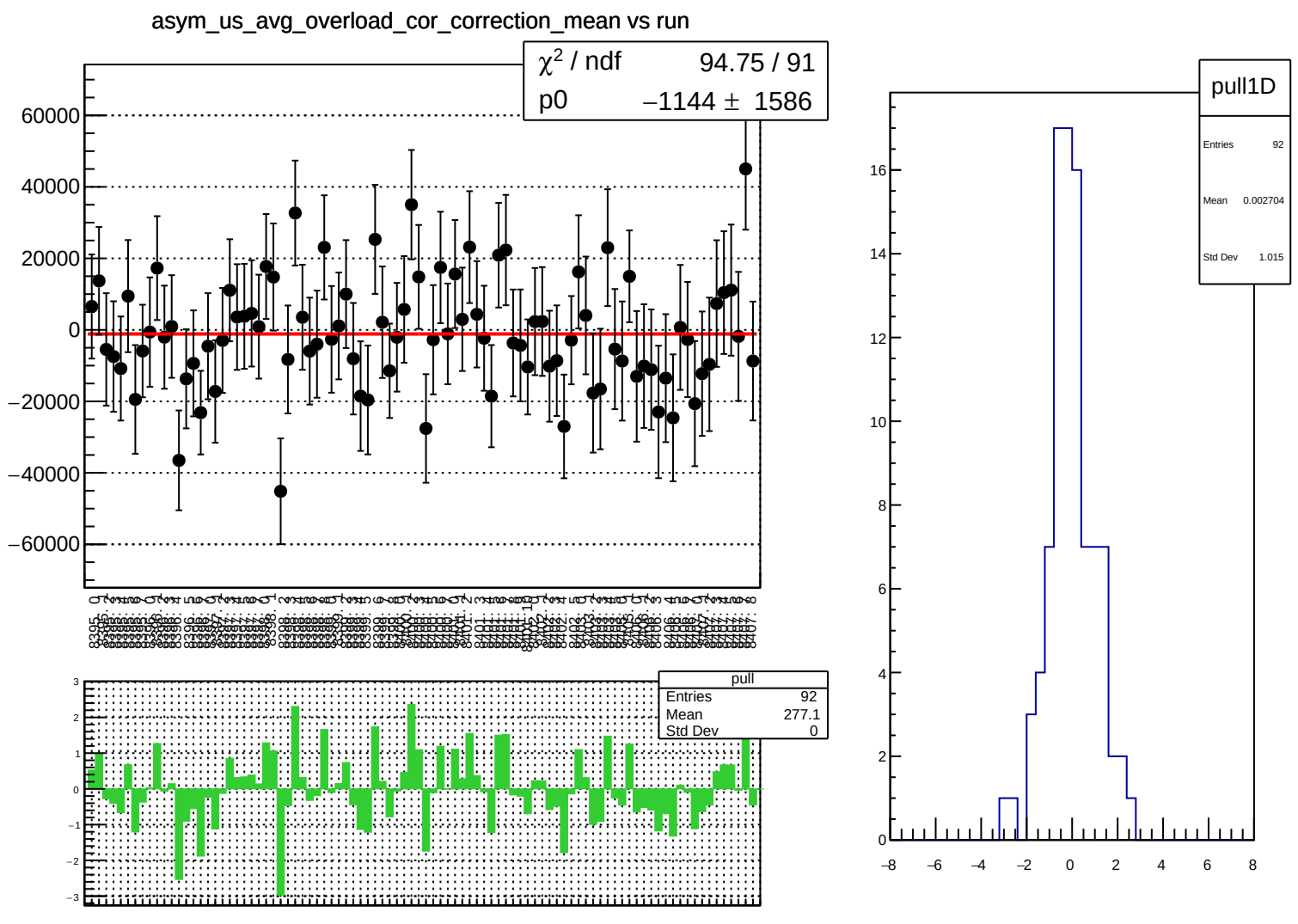

pull1D
Entries 92
Mean 0.002543
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

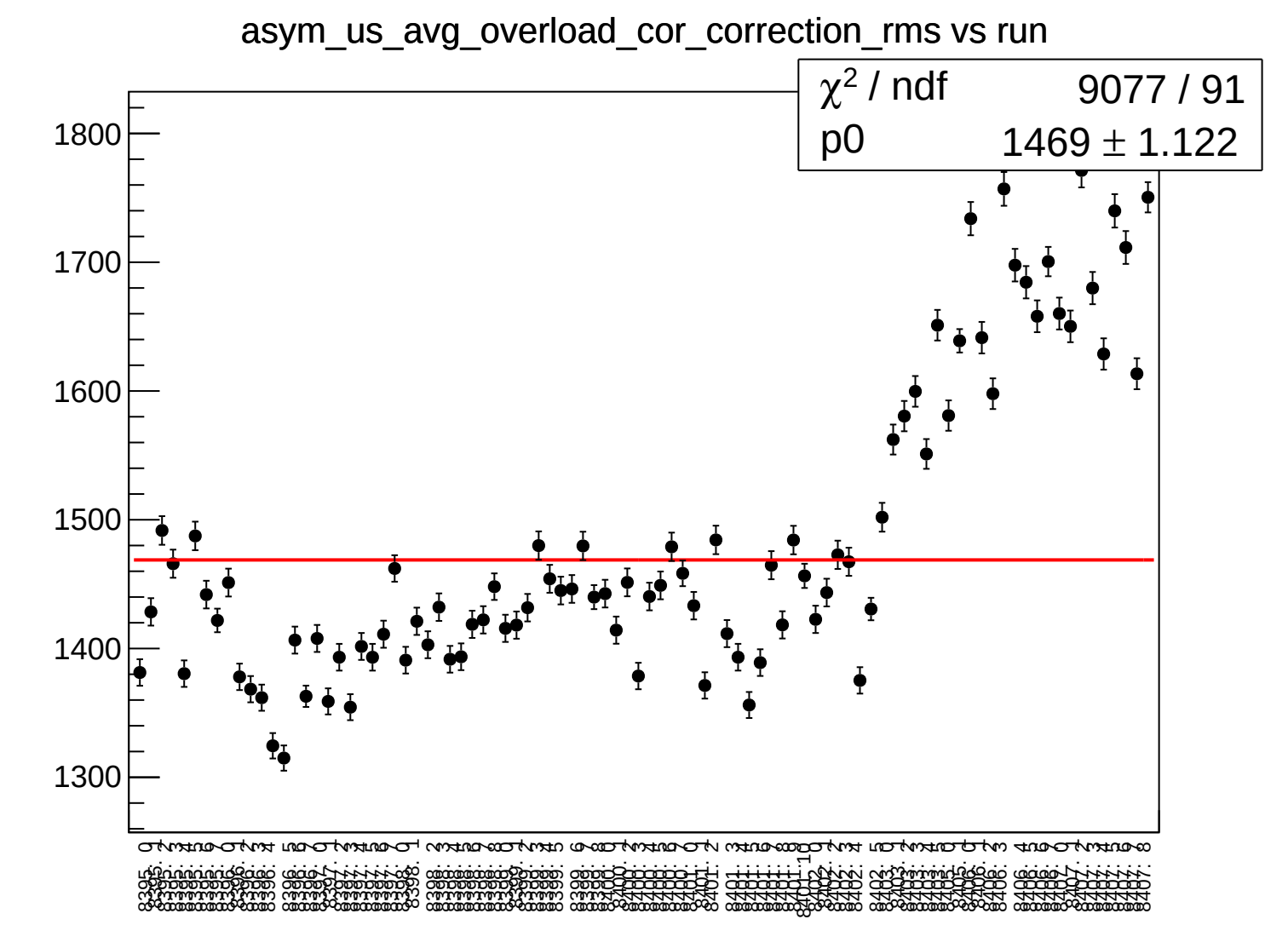

asym_us_avg_cor_correction_rms vs run
χ² / ndf 9089 / 91
p0 1468 ± 1.121
1800
1700
1600
1500
1400
1300

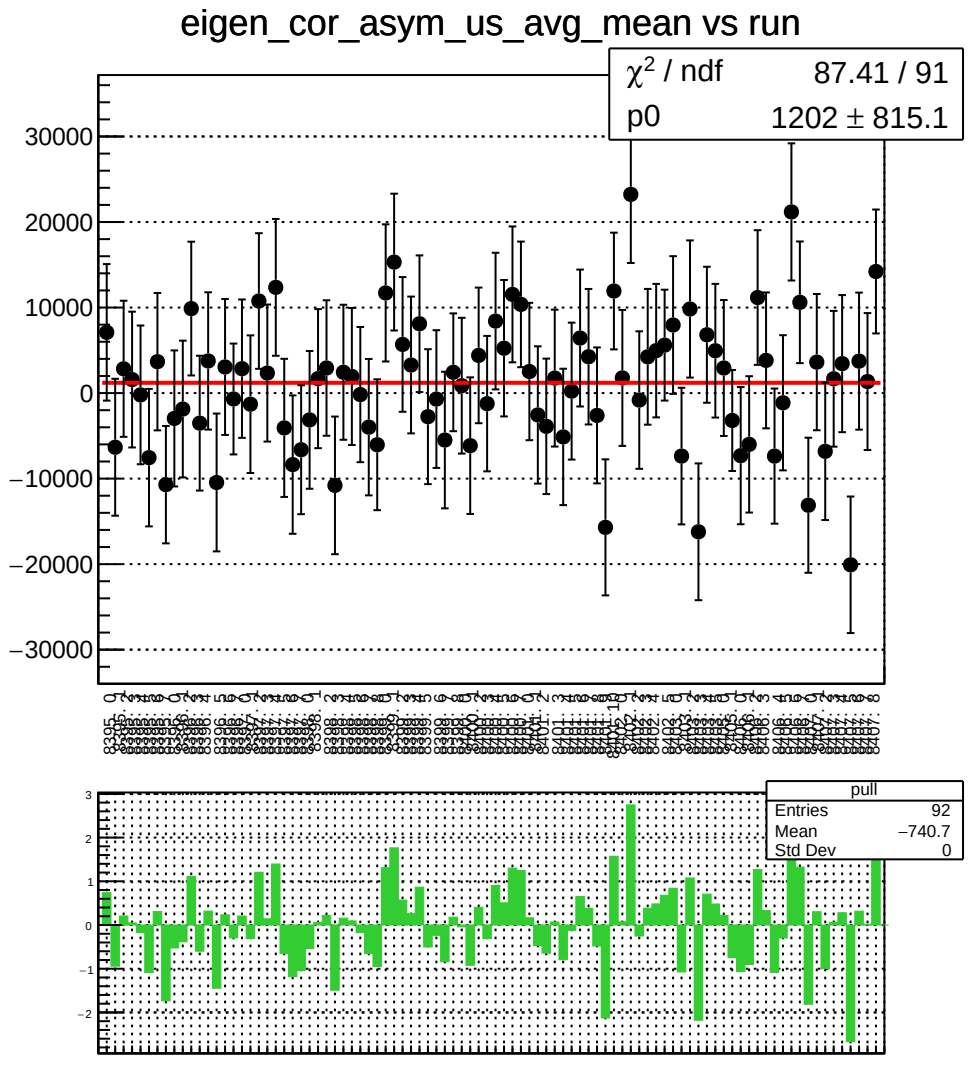

overload_cor_asym_us_avg_mean vs run
χ² / ndf 87.38 / 91
p0 1244 ± 814.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −811.9
Std Dev 0
3
2
1
0
−1
−2

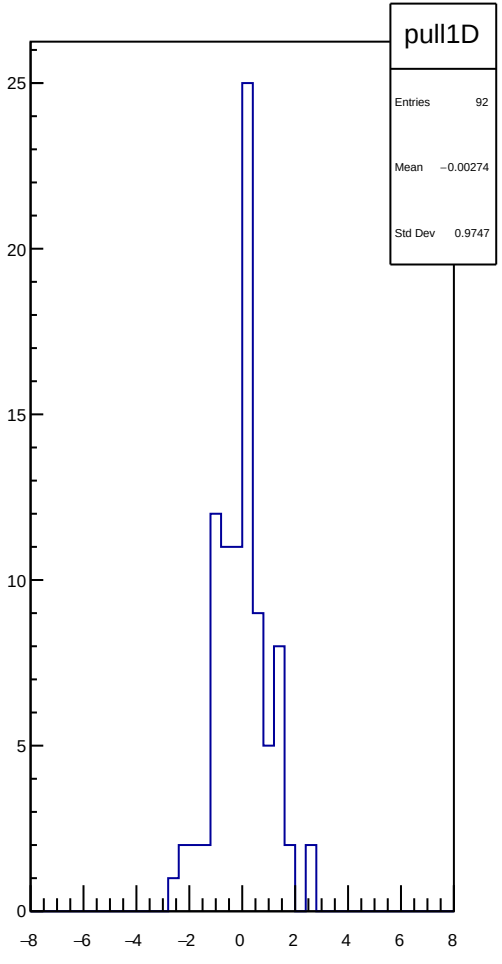

pull1D
Entries 92
Mean −0.002656
Std Dev 0.9746
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 101.4 / 91
p0 755.9 ± 0.5758
780
770
760
750
740


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 94.75 / 91
p0 −1144 ± 1586
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 277.1
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.002704
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 9077 / 91
p0 1469 ± 1.122
1800
1700
1600
1500
1400
1300


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 87.41 / 91
p0 1202 ± 815.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −740.7
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.00274
Std Dev 0.9747
25
20
15
10
5
0
−8
−6
−4
−2
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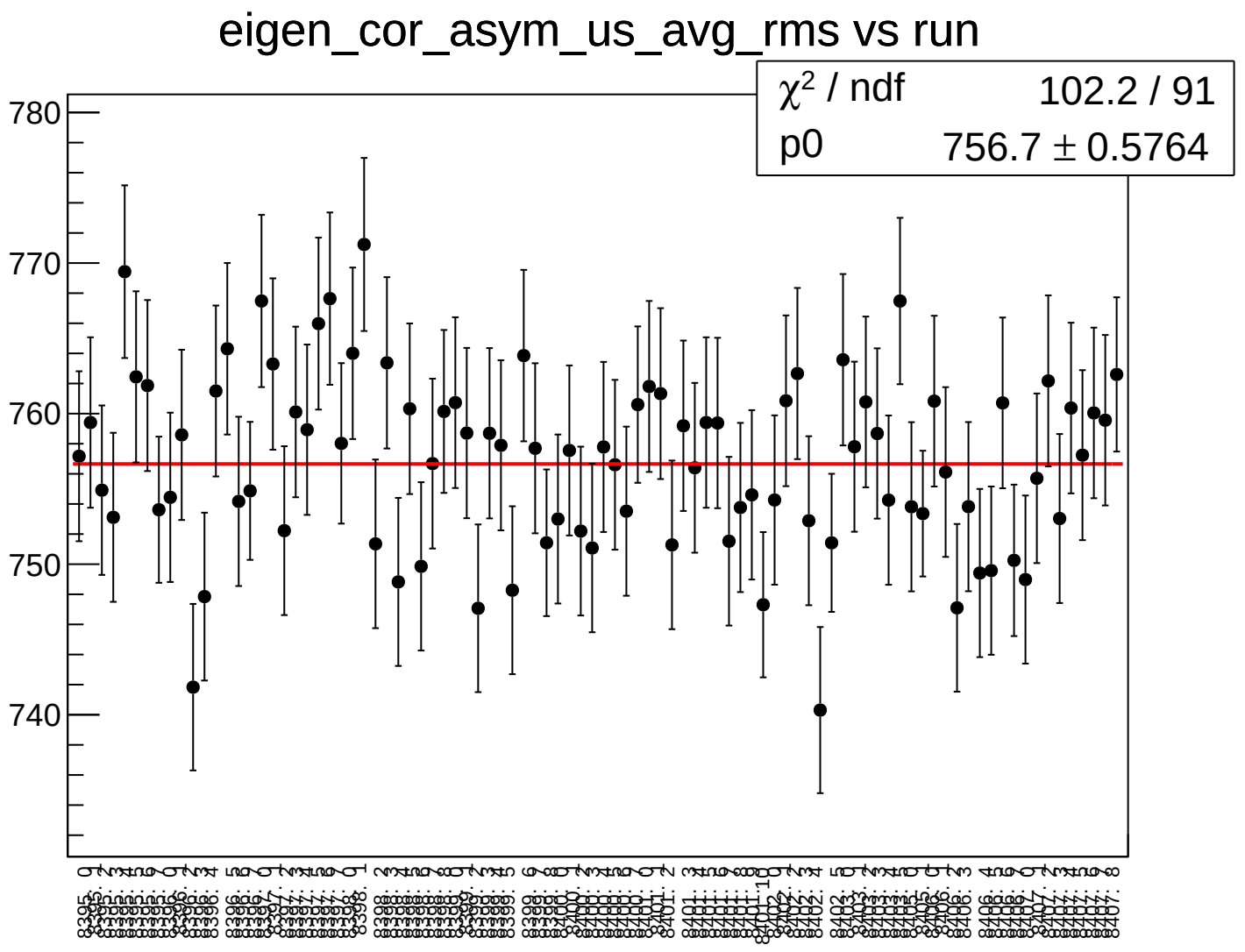
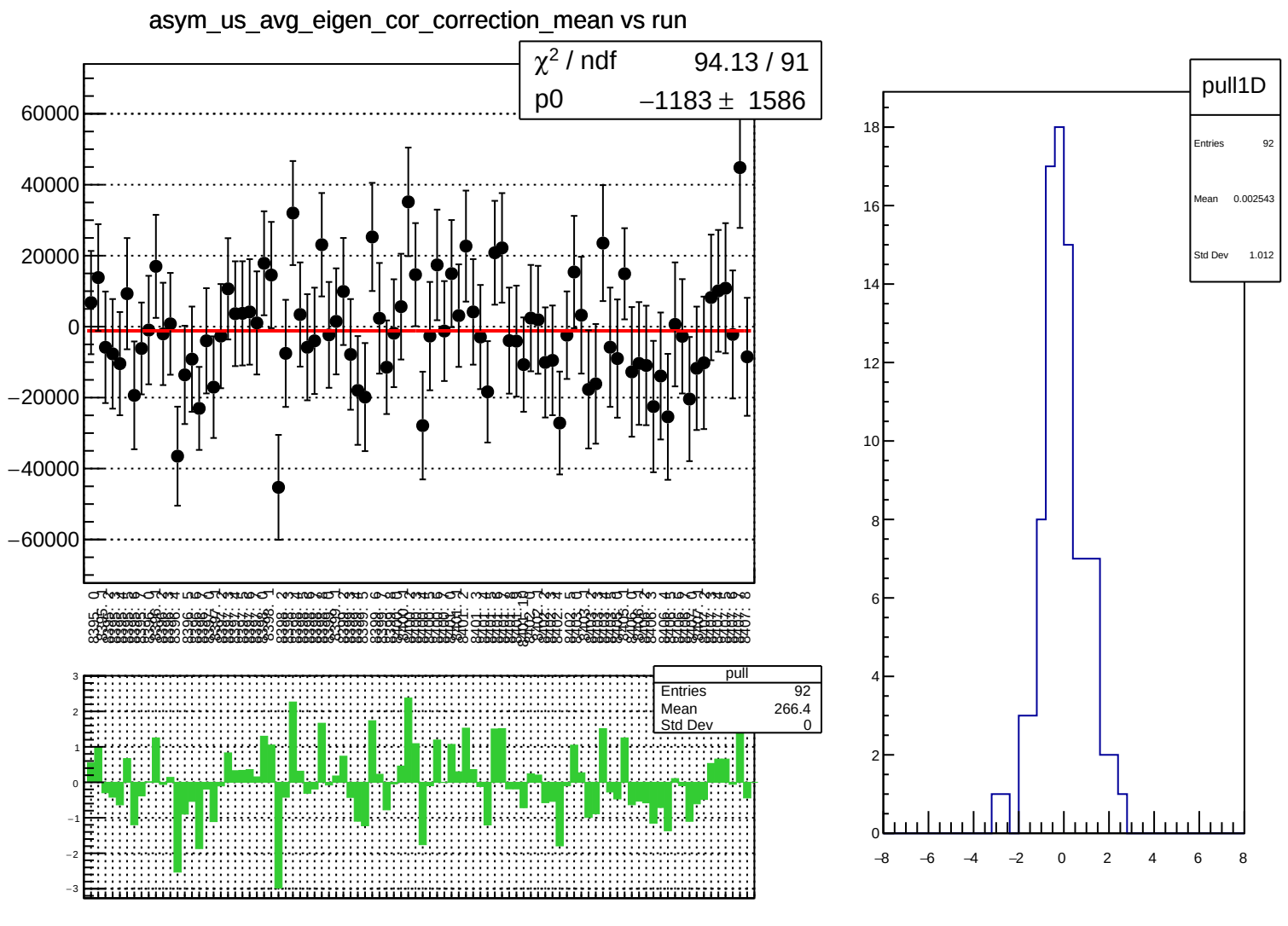
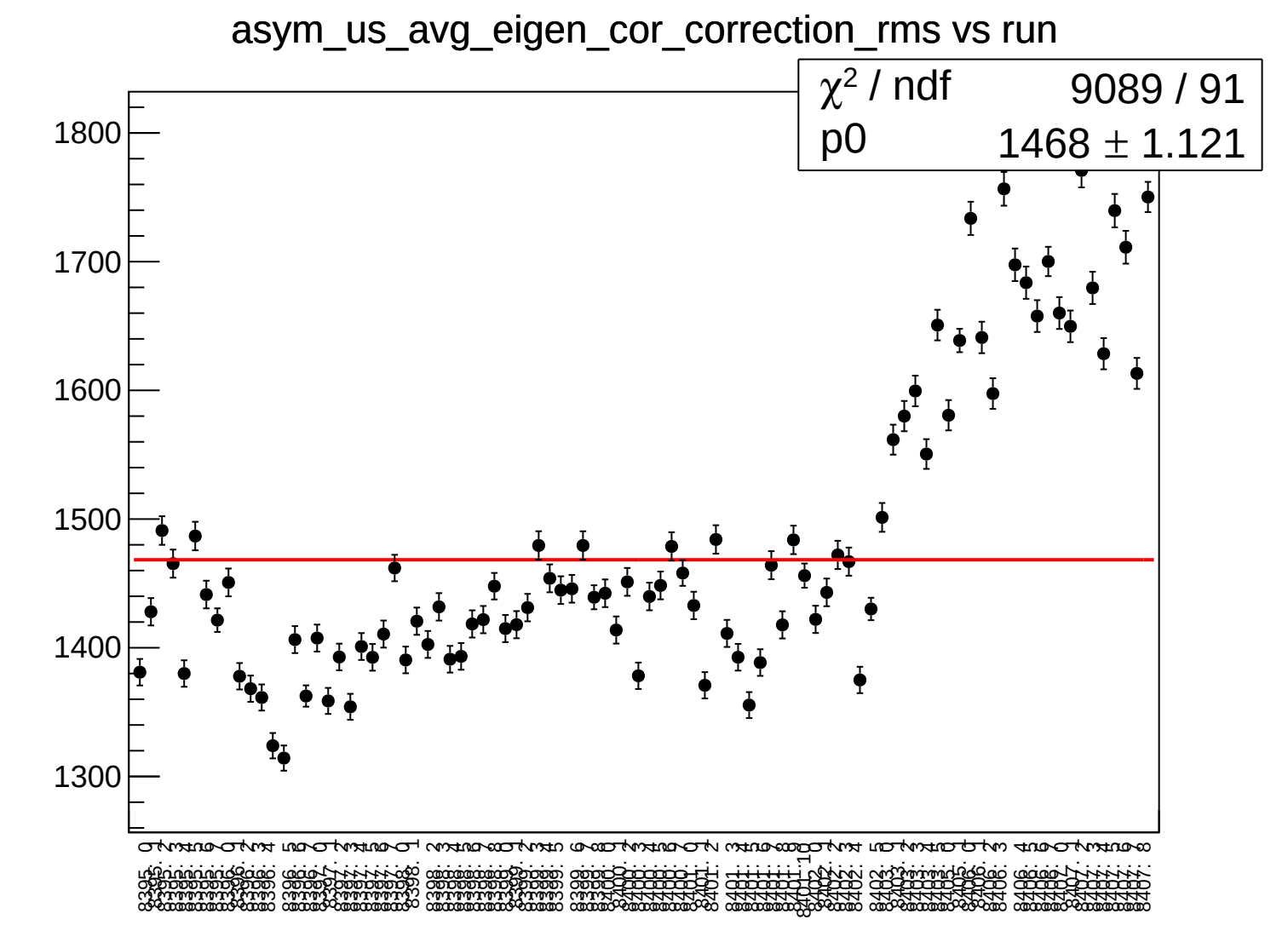
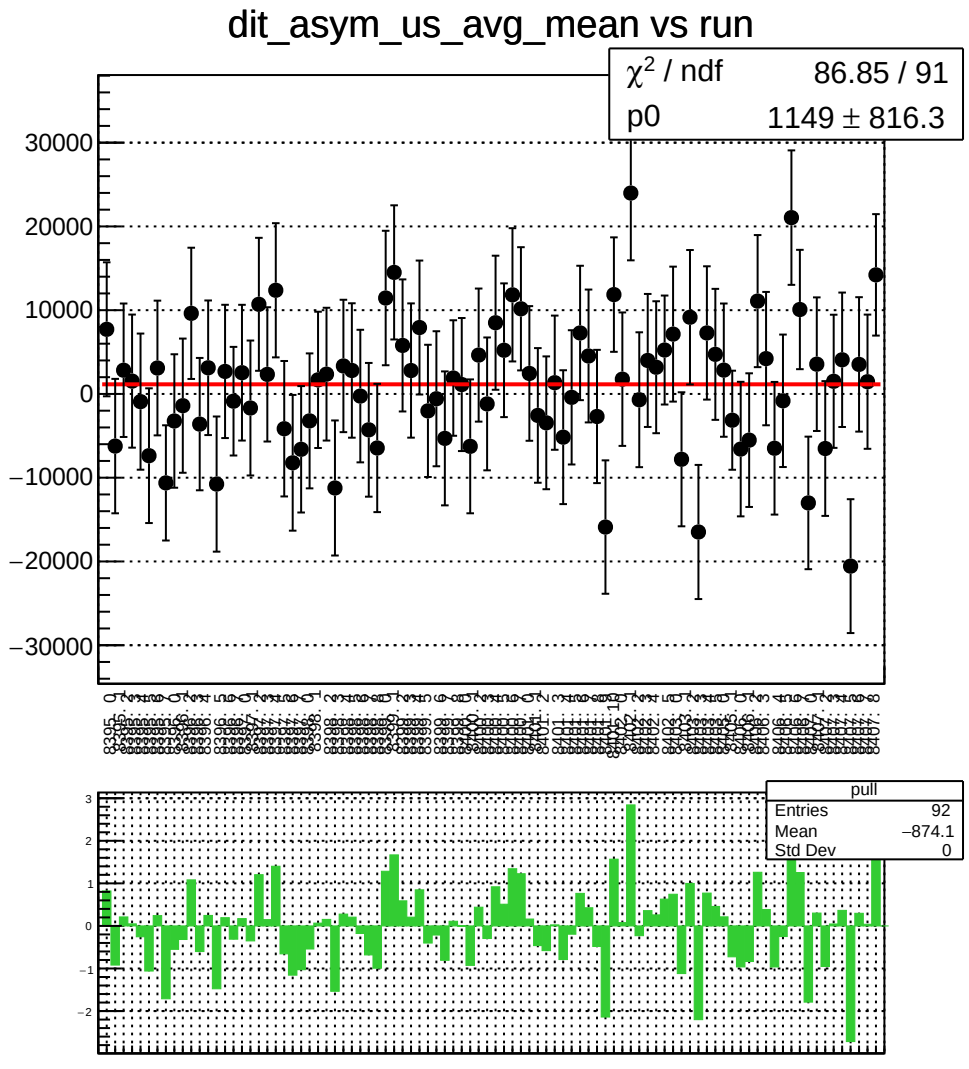
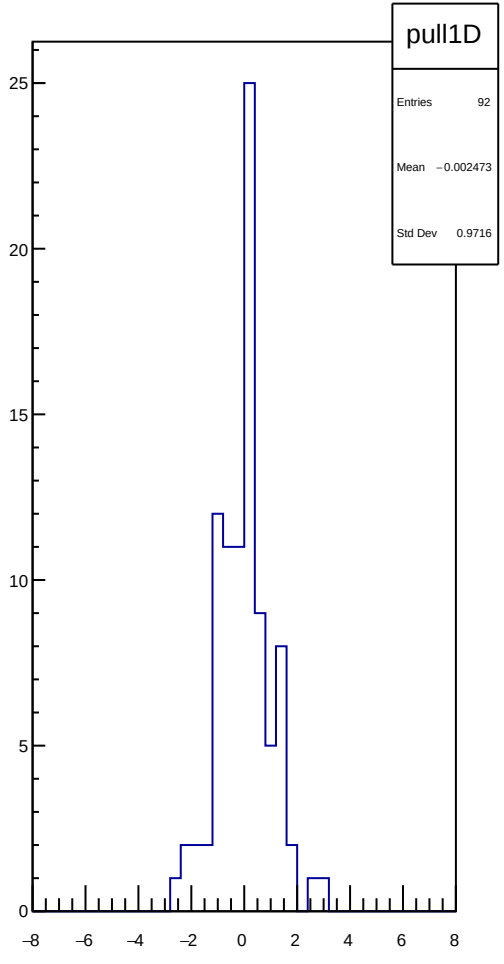
2
4
6
8

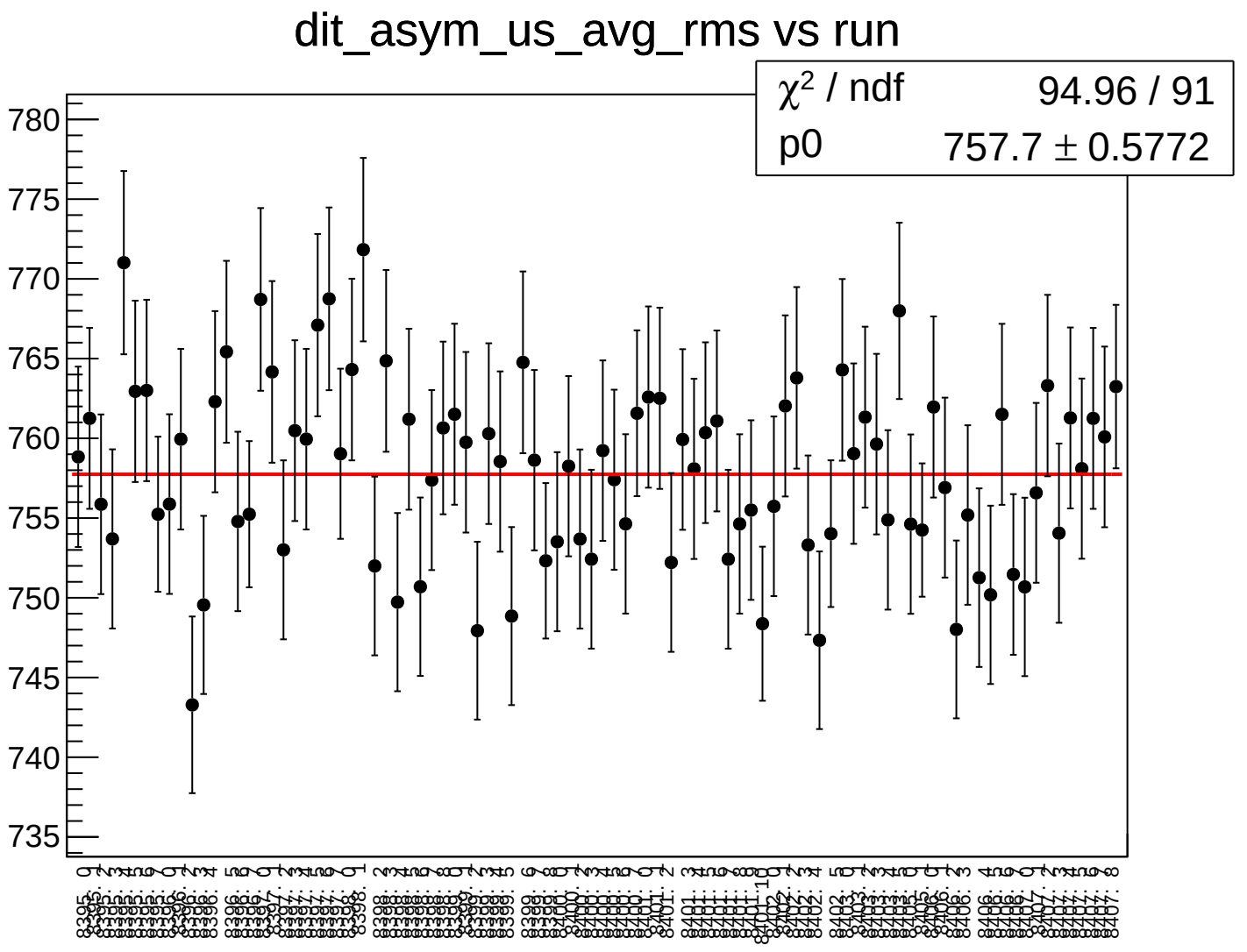

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 102.2 / 91
p0 756.7 ± 0.5764
780
770
760
750
740

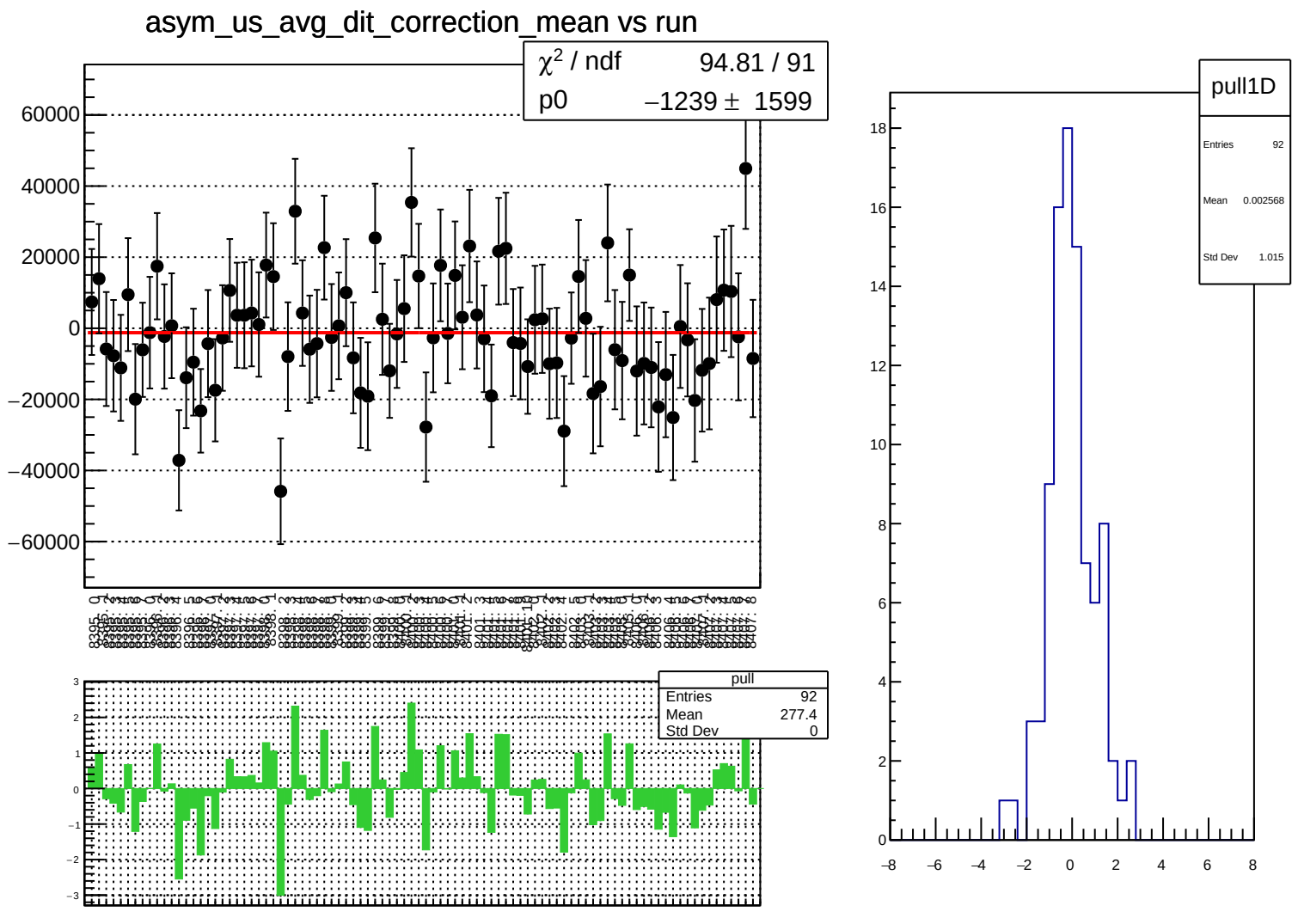

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 94.13 / 91
p0 −1183 ± 1586
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 266.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.002543
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

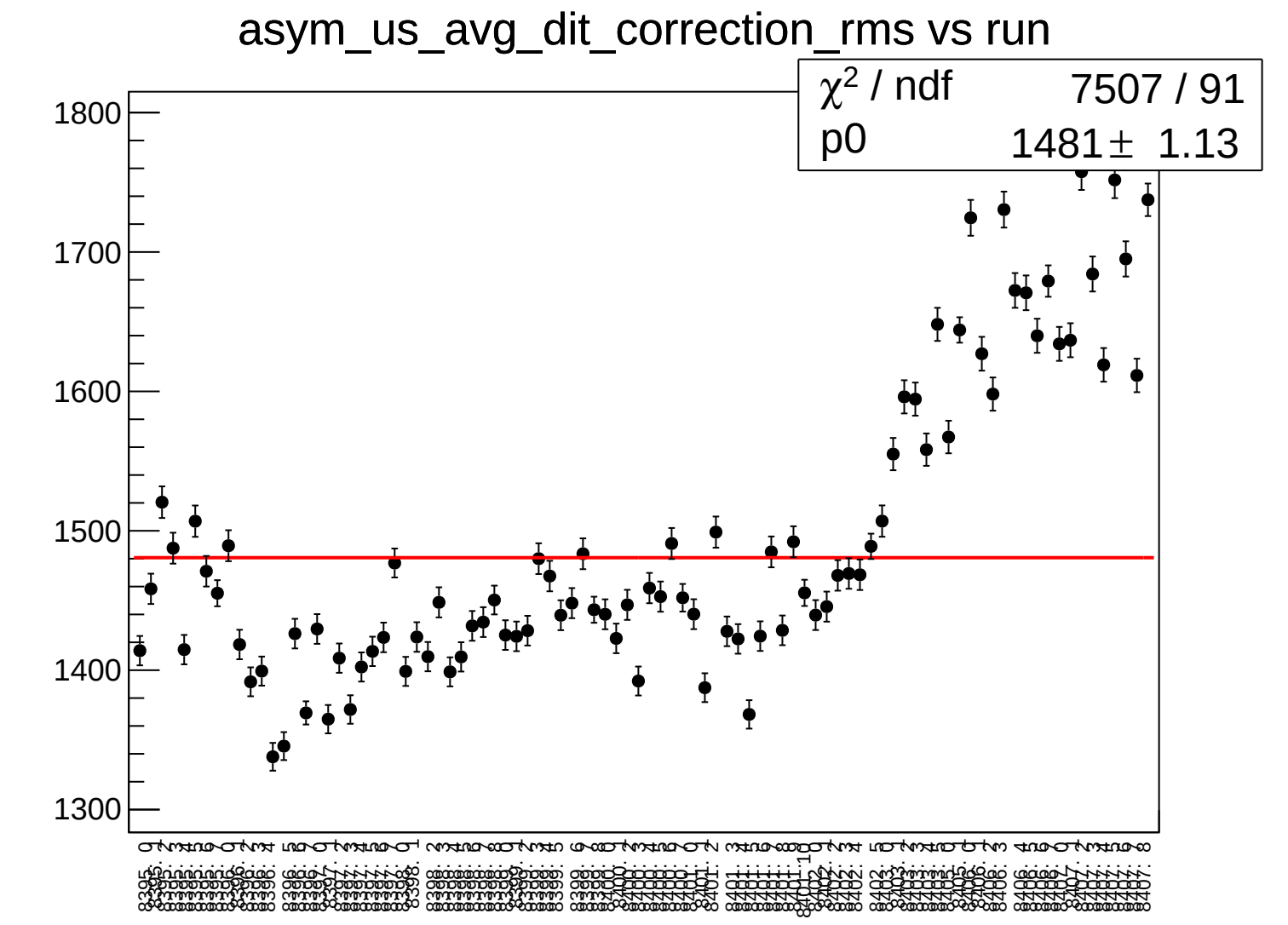

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 9089 / 91
p0 1468 ± 1.121
1800
1700
1600
1500
1400
1300

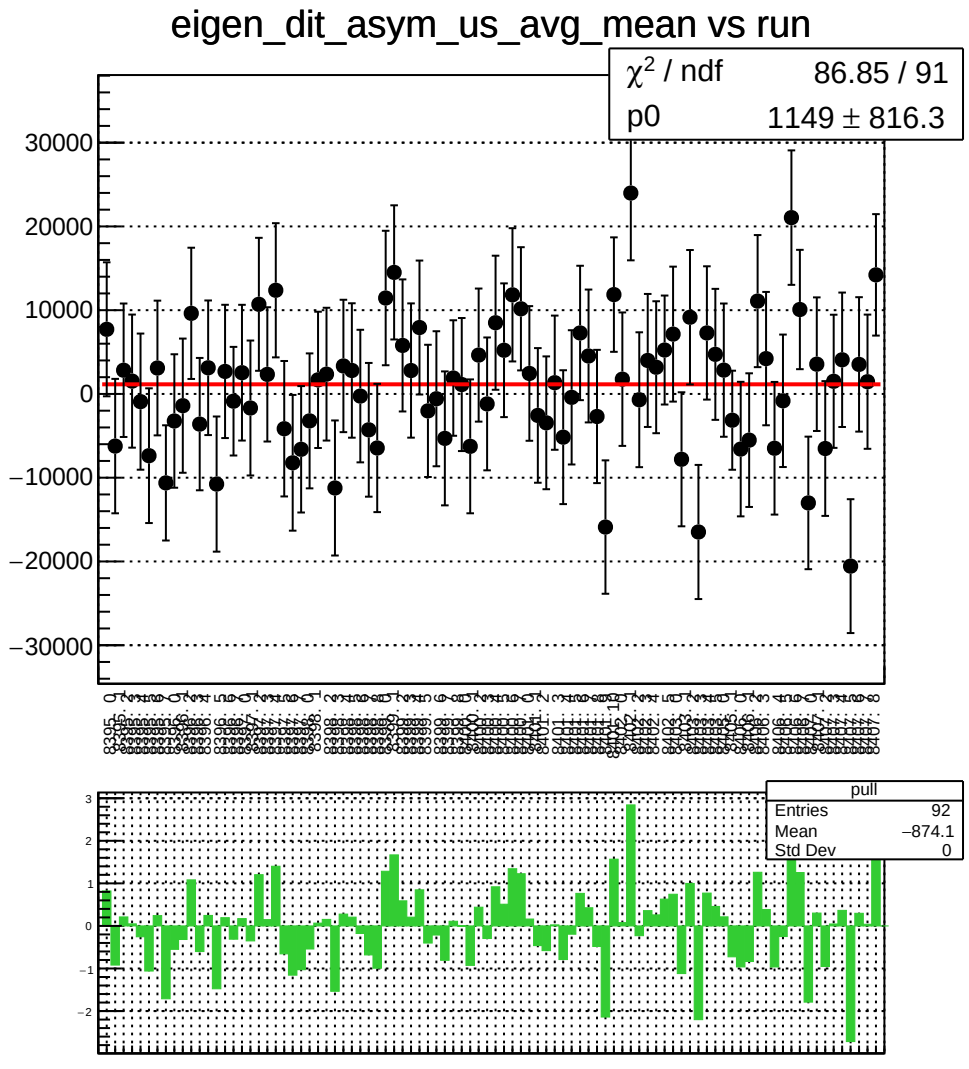

dit_asym_us_avg_mean vs run
χ² / ndf 86.85 / 91
p0 1149 ± 816.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −874.1
Std Dev 0
3
2
1
0
−1
−2

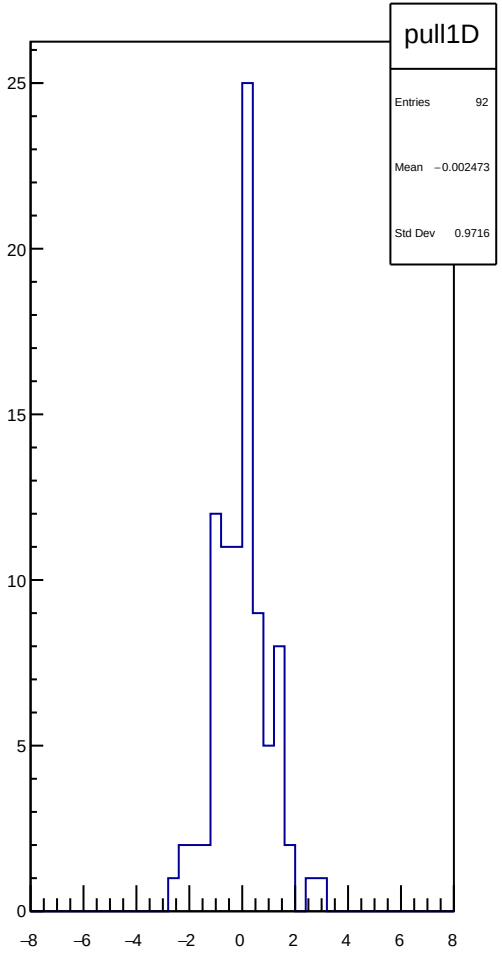

pull1D
Entries 92
Mean −0.002473
Std Dev 0.9716
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

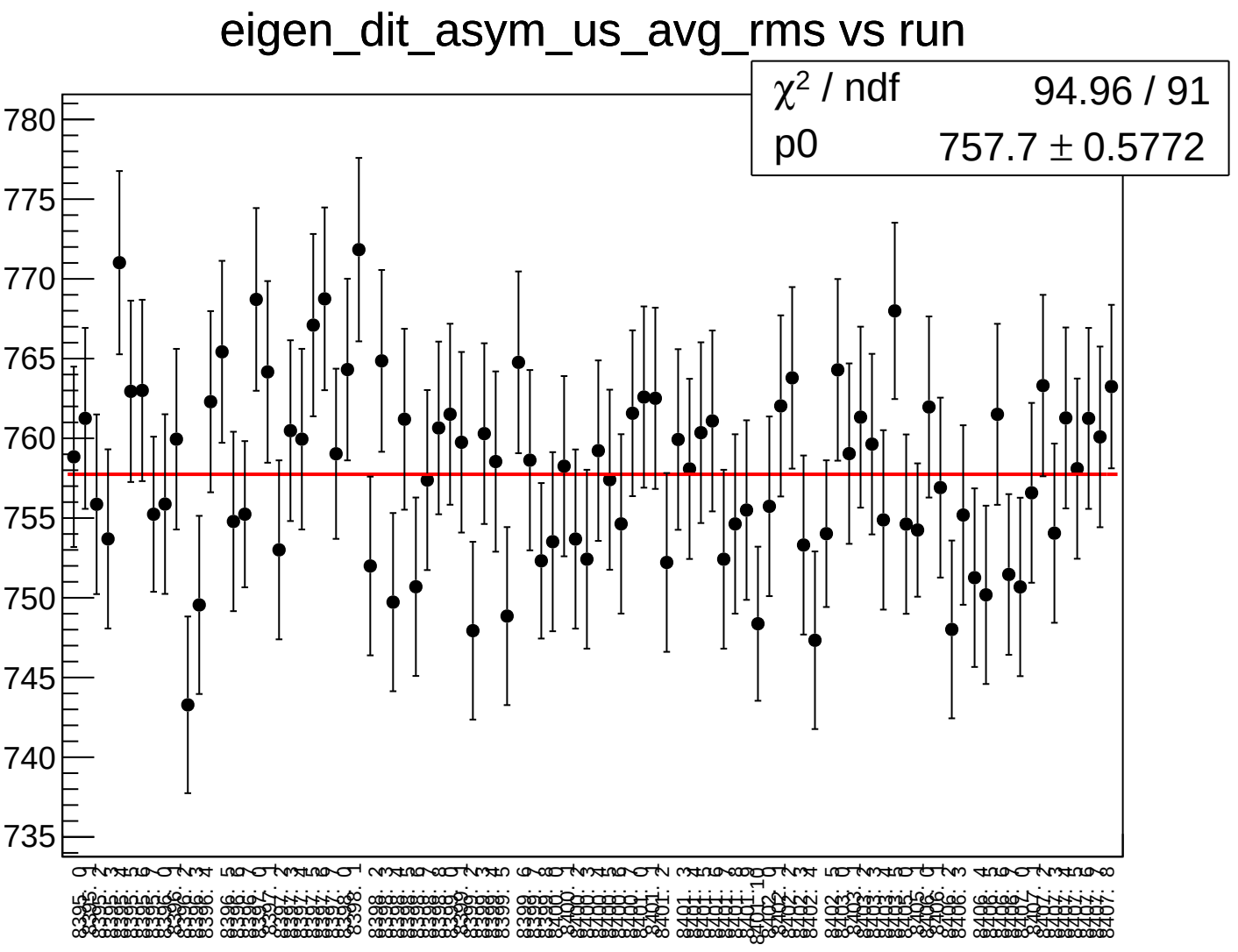

dit_asym_us_avg_rms vs run
$\chi^2$ / ndf 94.96 / 91
p0 757.7 ± 0.5772
780
775
770
765
760
755
750
745
740
735

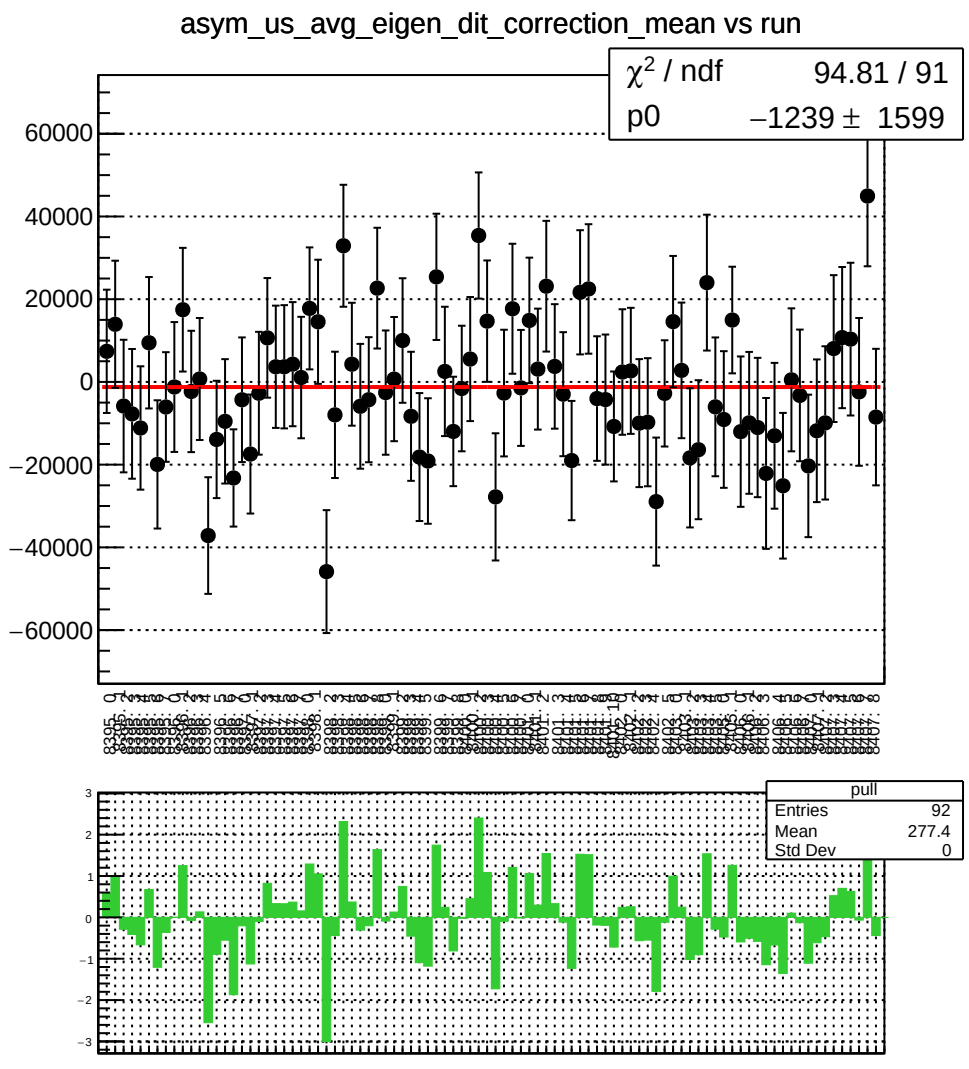

asym_us_avg_dit_correction_mean vs run
χ² / ndf 94.81 / 91
p0 −1239 ± 1599
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 277.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.002568
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

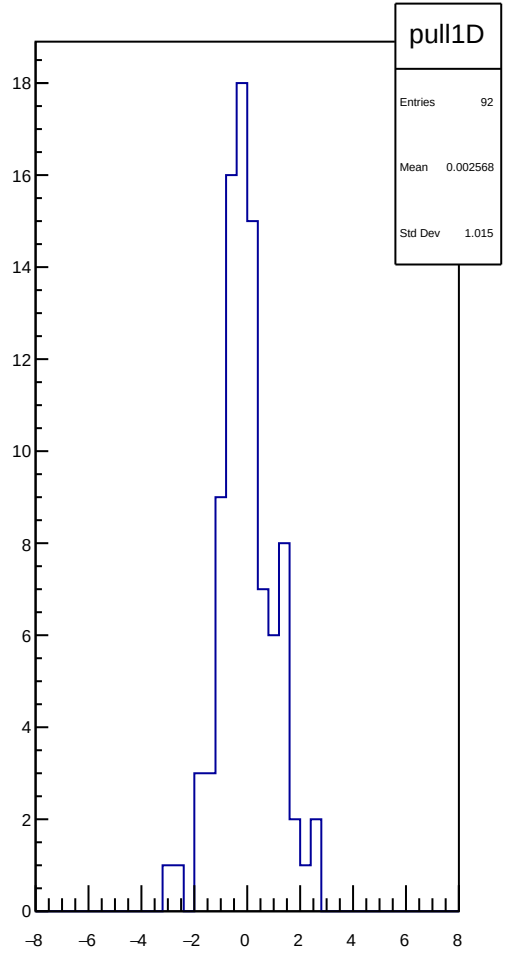

asym_us_avg_dit_correction_rms vs run
χ² / ndf 7507 / 91
p0 1481 ± 1.13
1800
1700
1600
1500
1400
1300

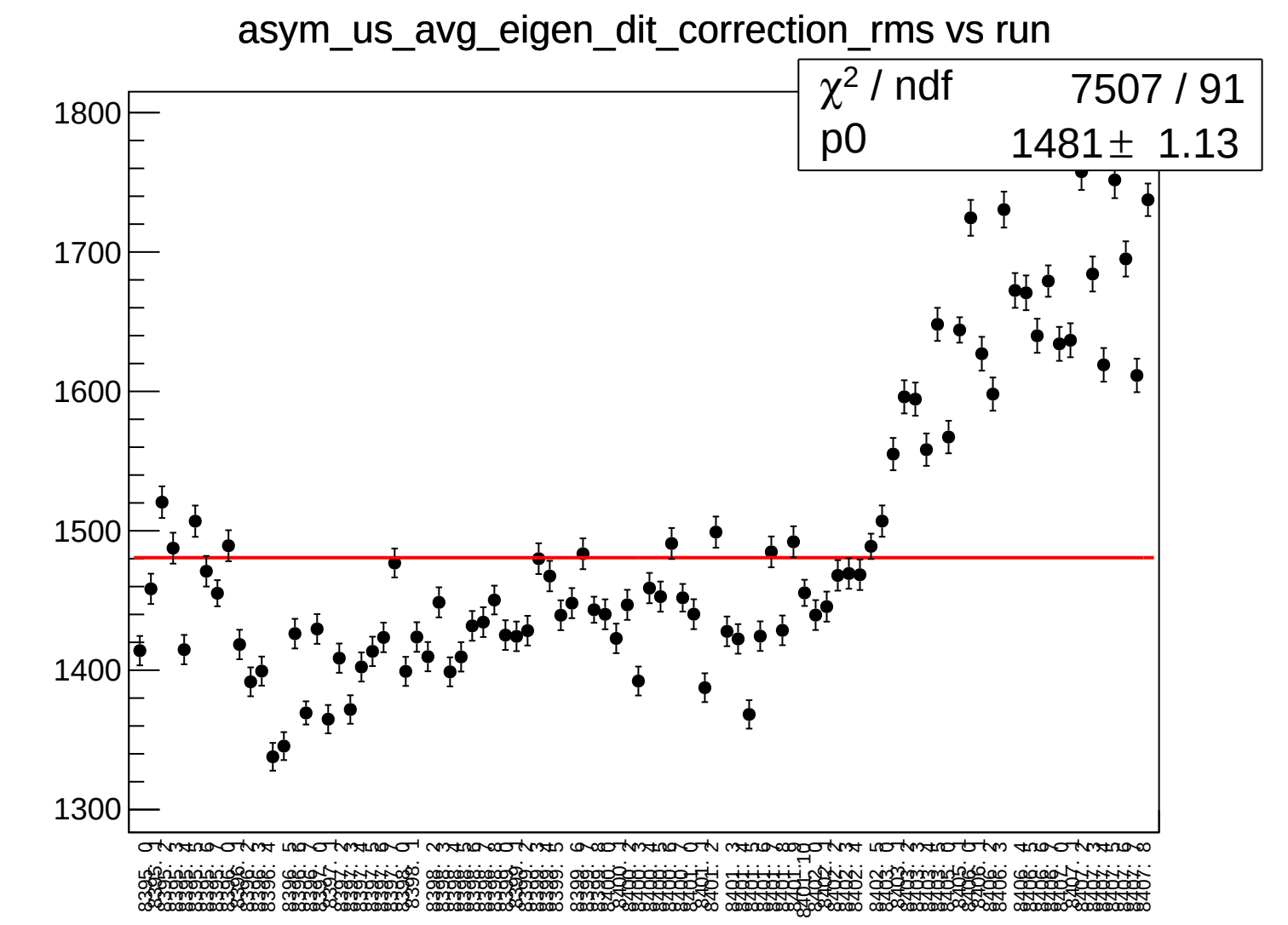

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 86.85 / 91
p0 1149 ± 816.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −874.1
Std Dev 0
3
2
1
0
−1
−2

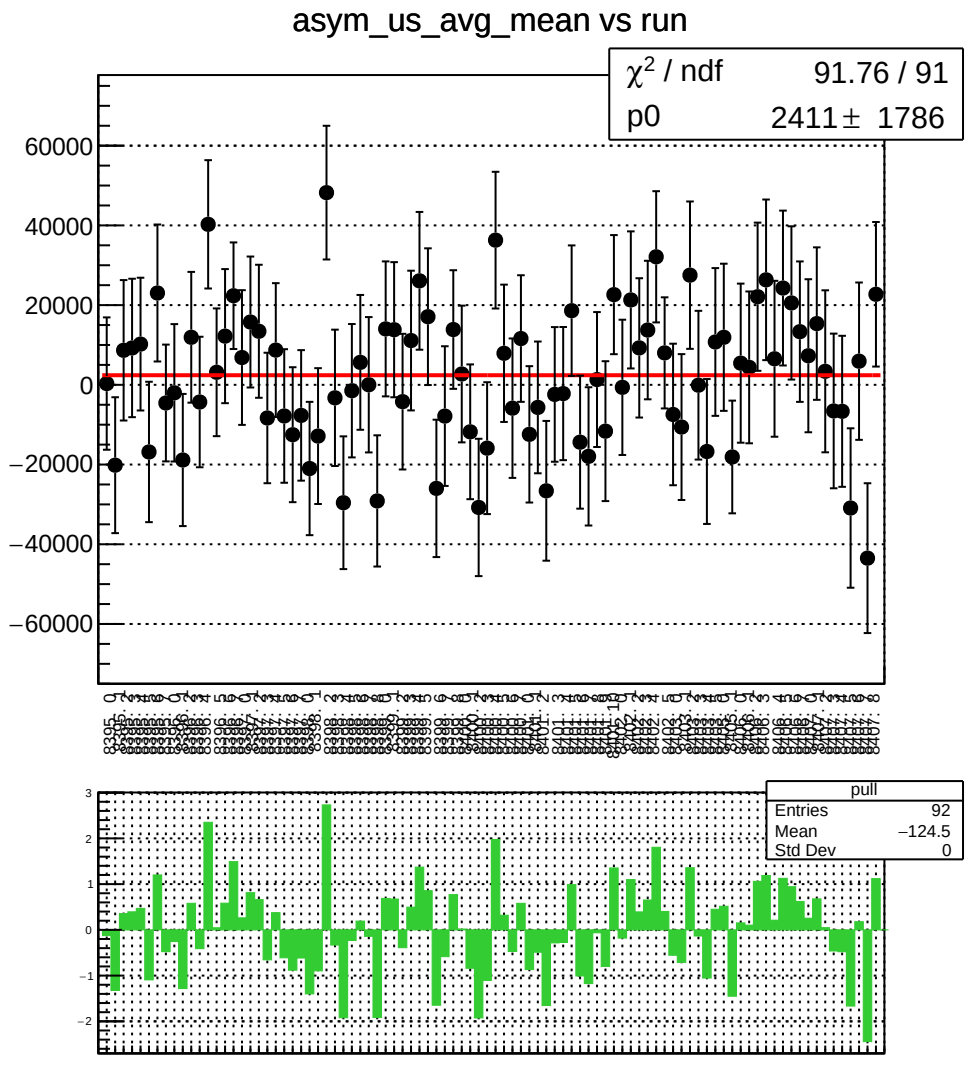

pull1D
Entries 92
Mean −0.002473
Std Dev 0.9716
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

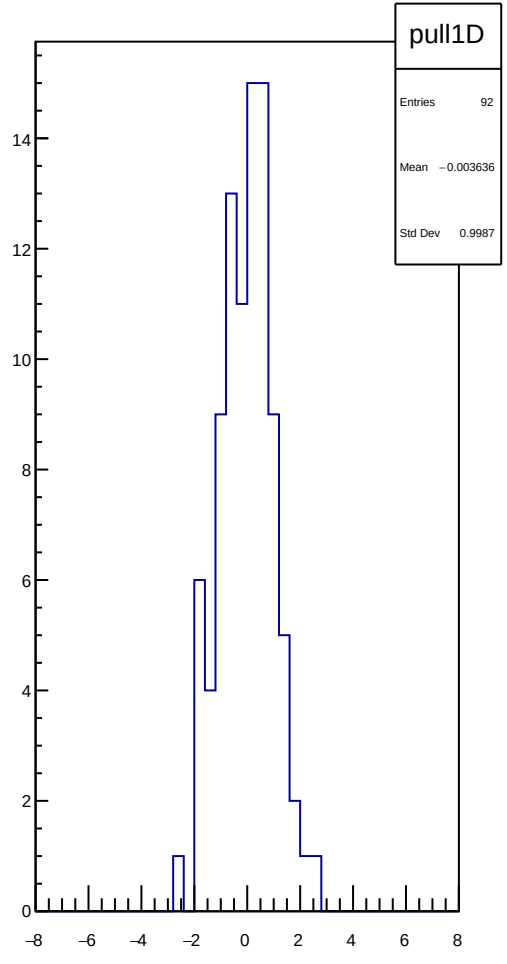

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 94.96 / 91
p0 757.7 ± 0.5772
780
775
770
765
760
755
750
745
740
735


asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 94.81 / 91
p0 −1239 ± 1599
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 277.4
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 92
Mean 0.002568
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 7507 / 91
p0 1481 ± 1.13
1800
1700
1600
1500
1400
1300


asym_us_avg_mean vs run
χ² / ndf 91.76 / 91
p0 2411 ± 1786
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −124.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.003636
Std Dev 0.9987
14
12
10
8
6
4
2
0
−8
−6
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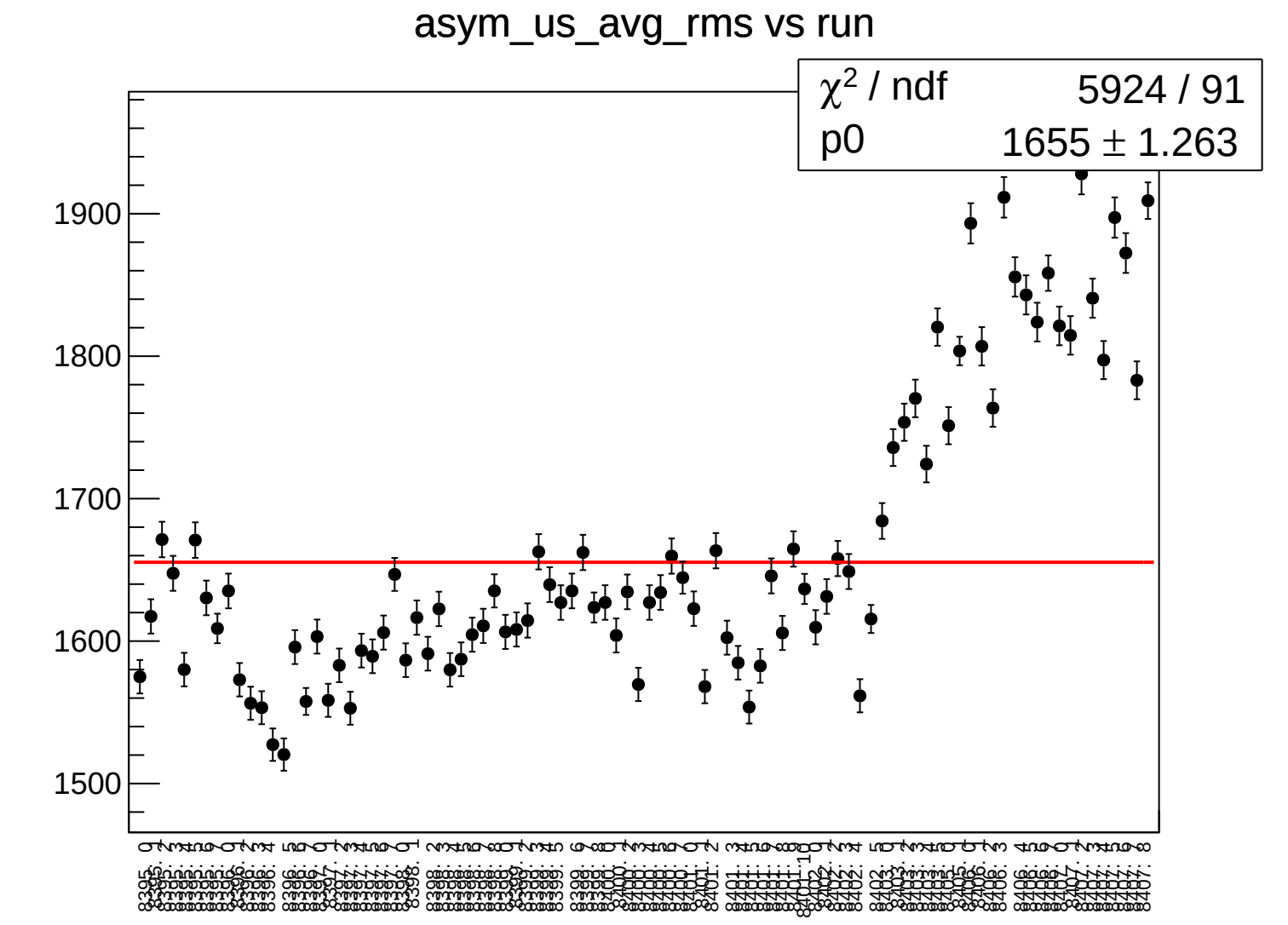
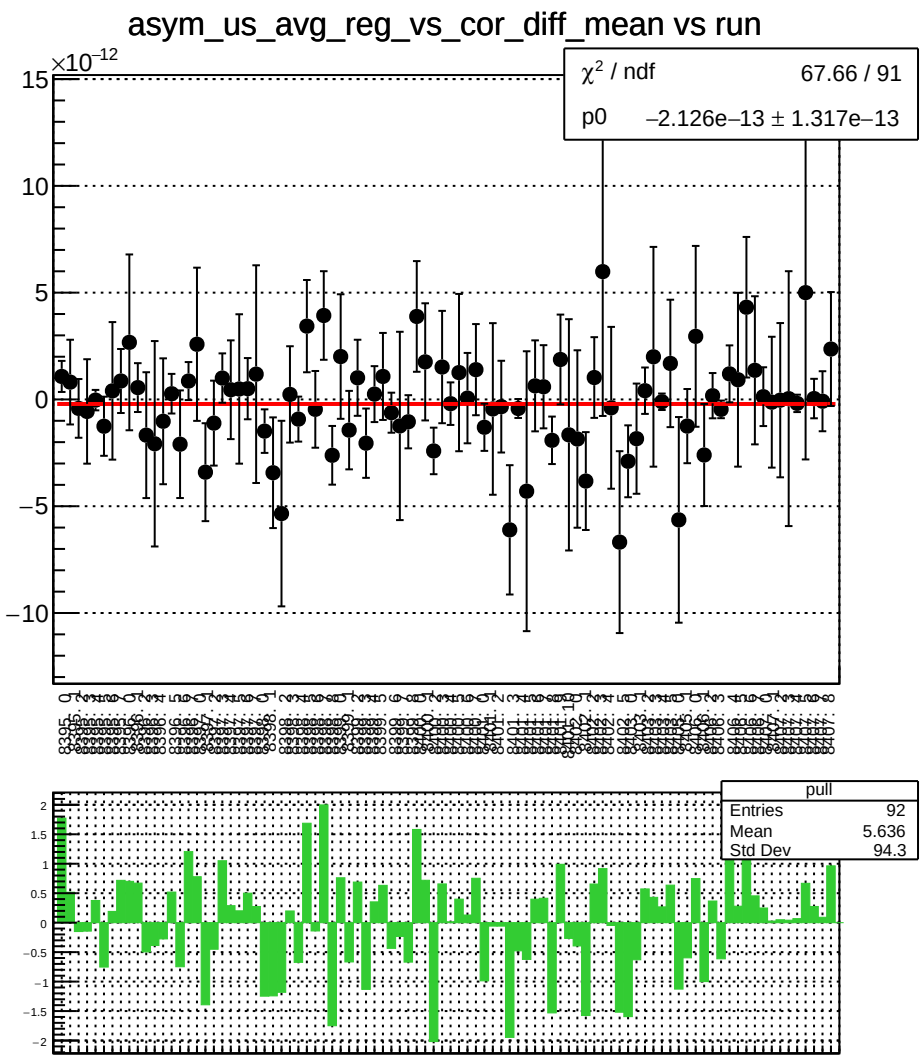
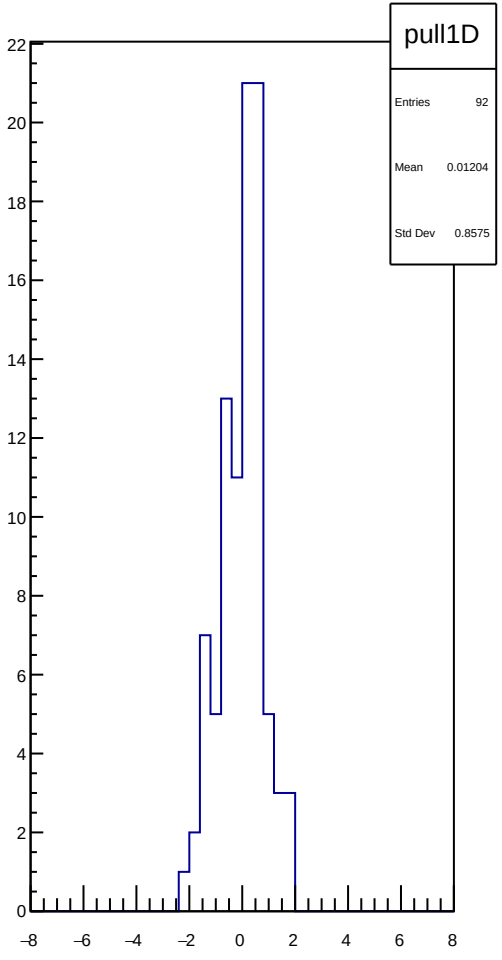
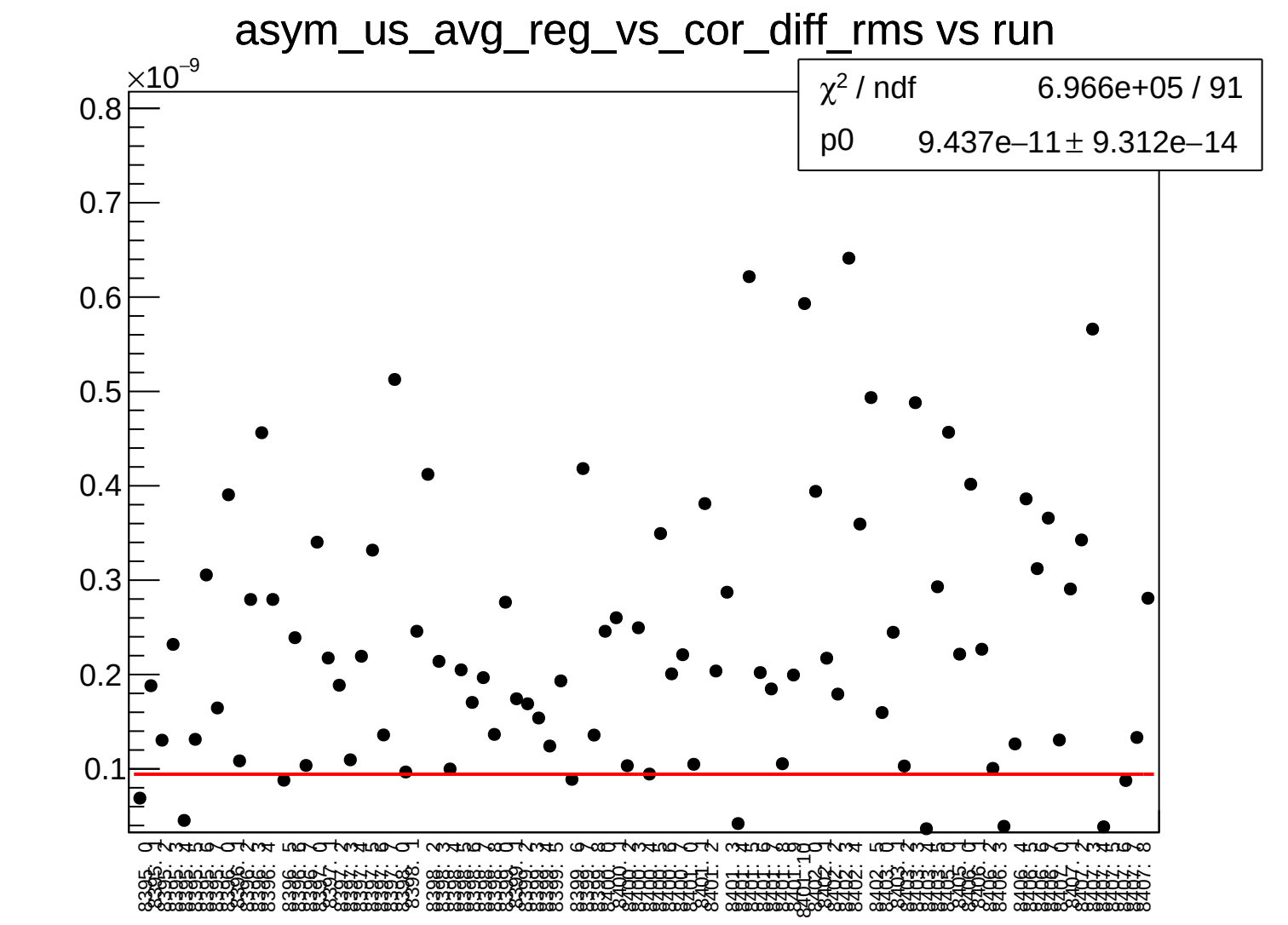
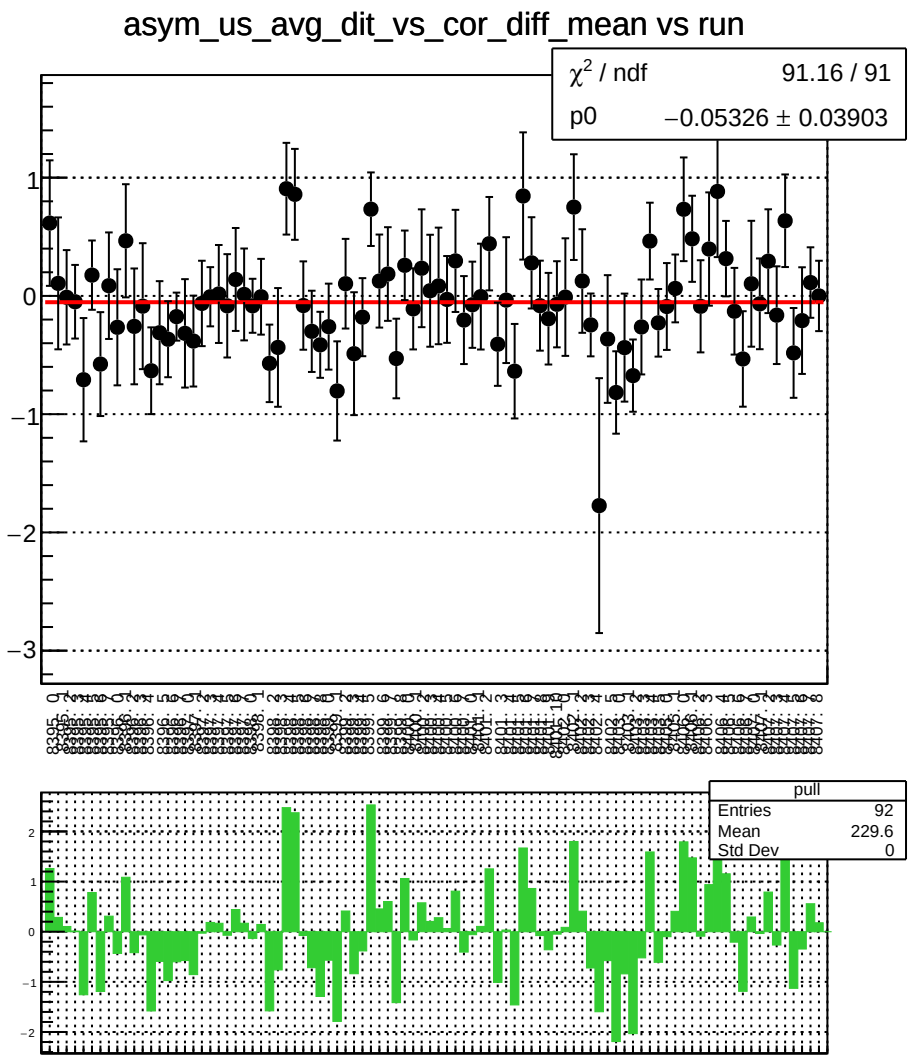
2
4
6
8

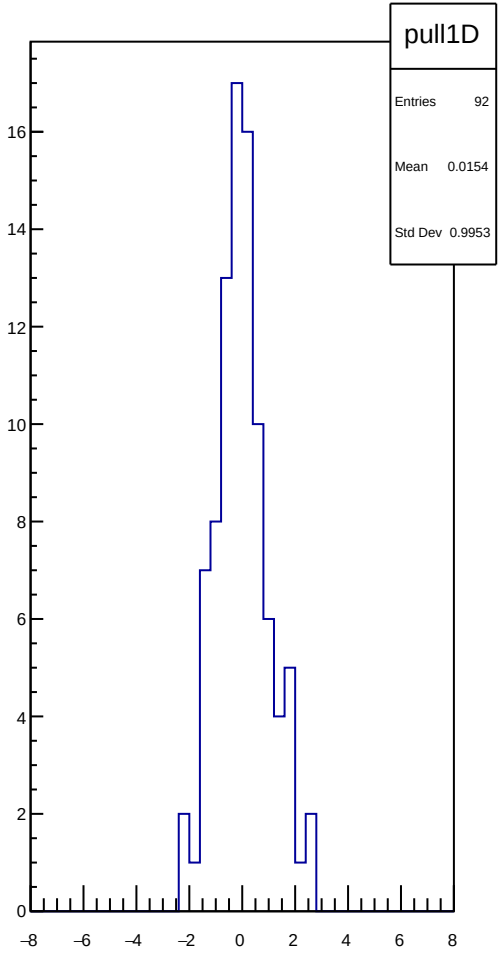

asym_us_avg_rms vs run
$\chi^2$ / ndf 5924 / 91
p0 1655 ± 1.263
1900
1800
1700
1600
1500

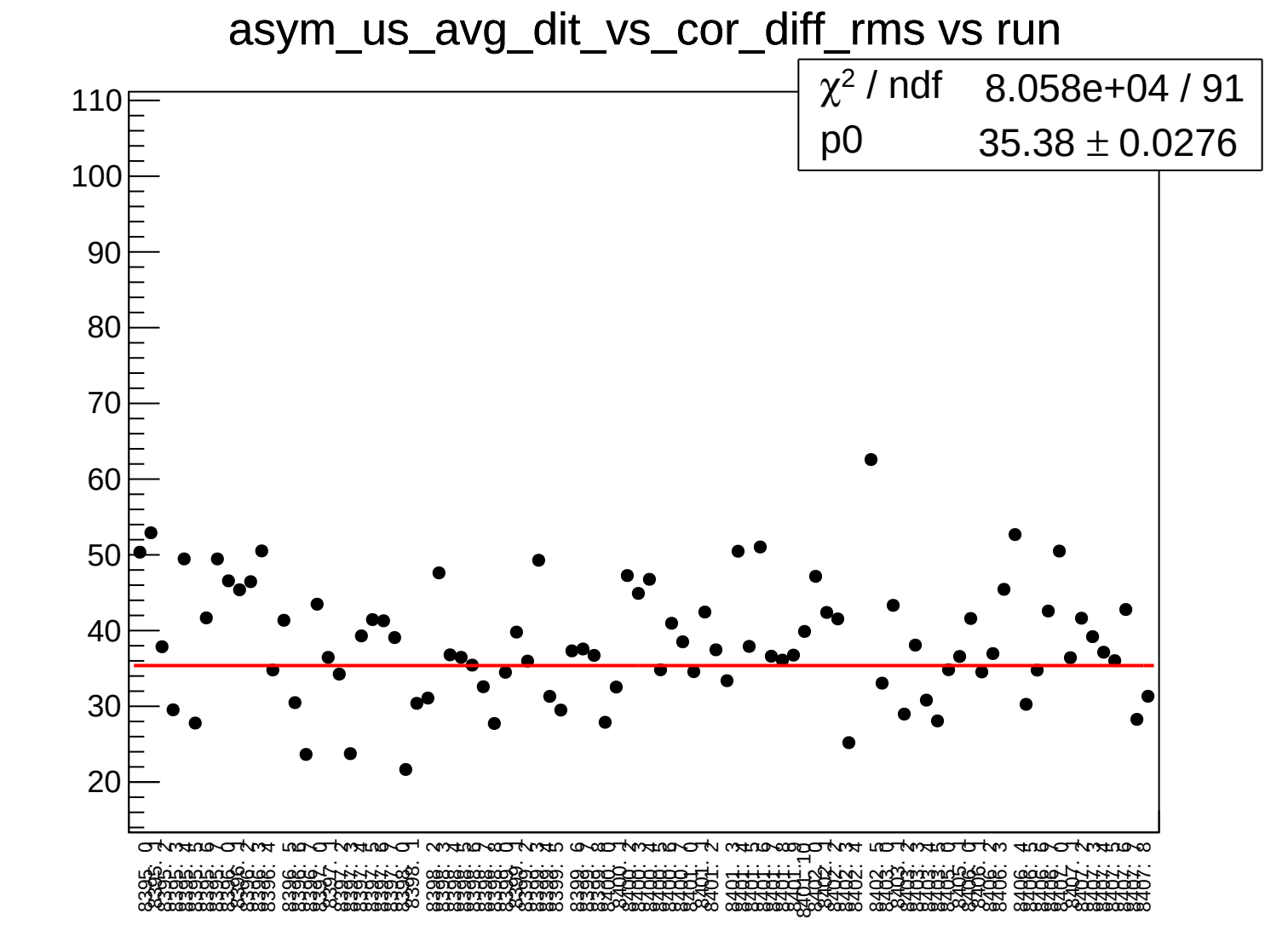

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.66 / 91
p0 −2.126e−13 ± 1.317e−13
pull
Entries 92
Mean 5.636
Std Dev 94.3

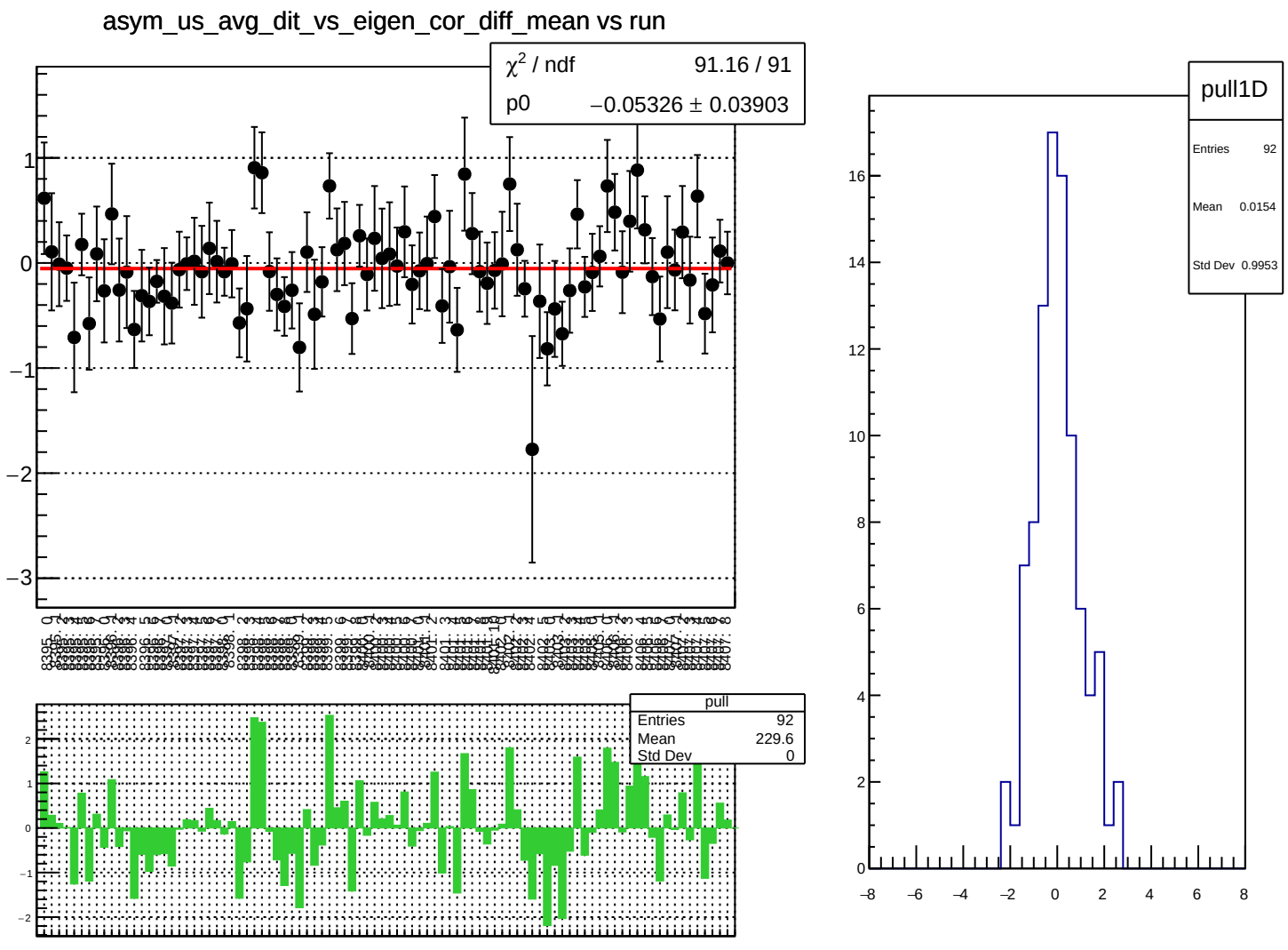

pull1D
Entries 92
Mean 0.01204
Std Dev 0.8575

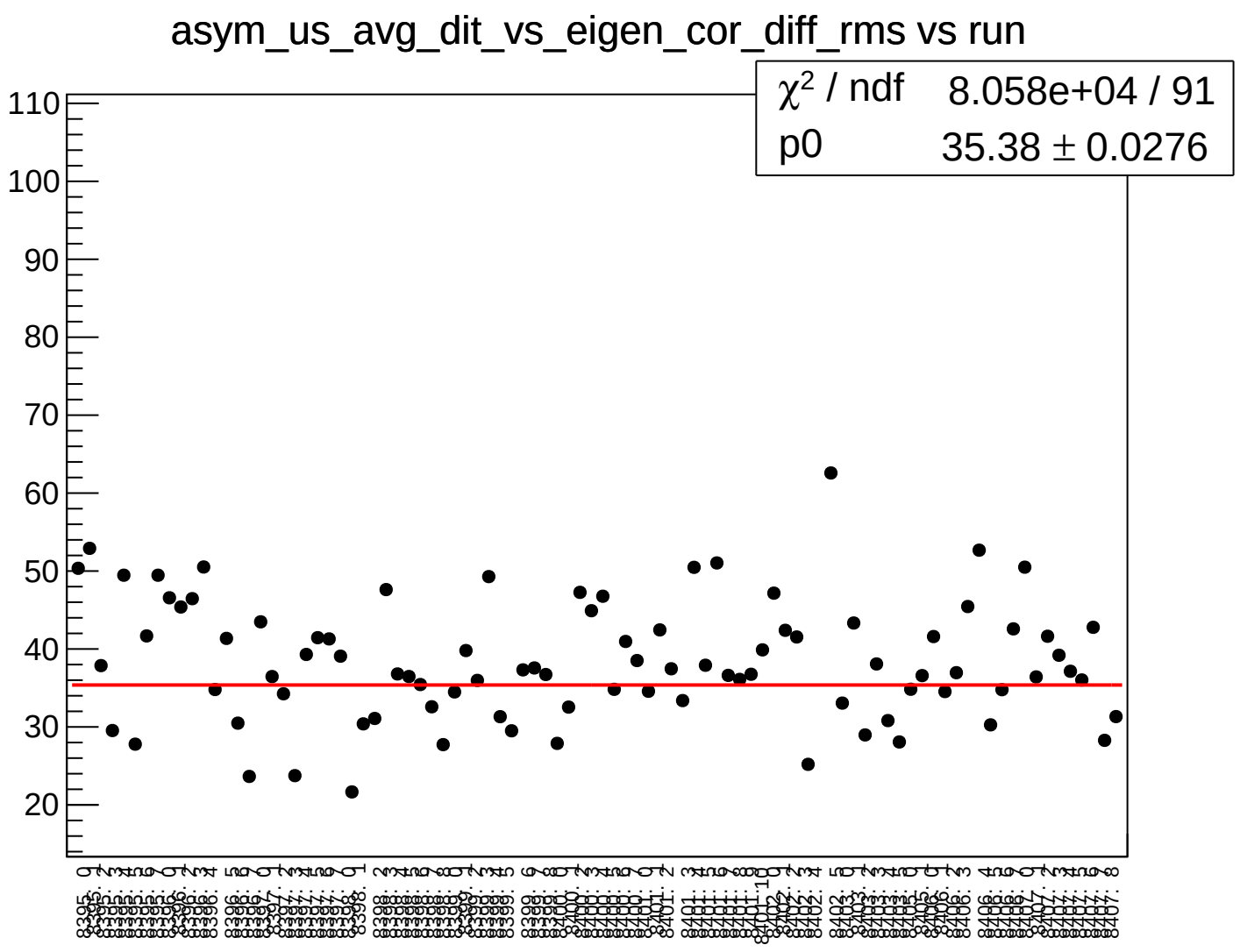

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.966e+05 / 91
p0 9.437e−11 ± 9.312e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

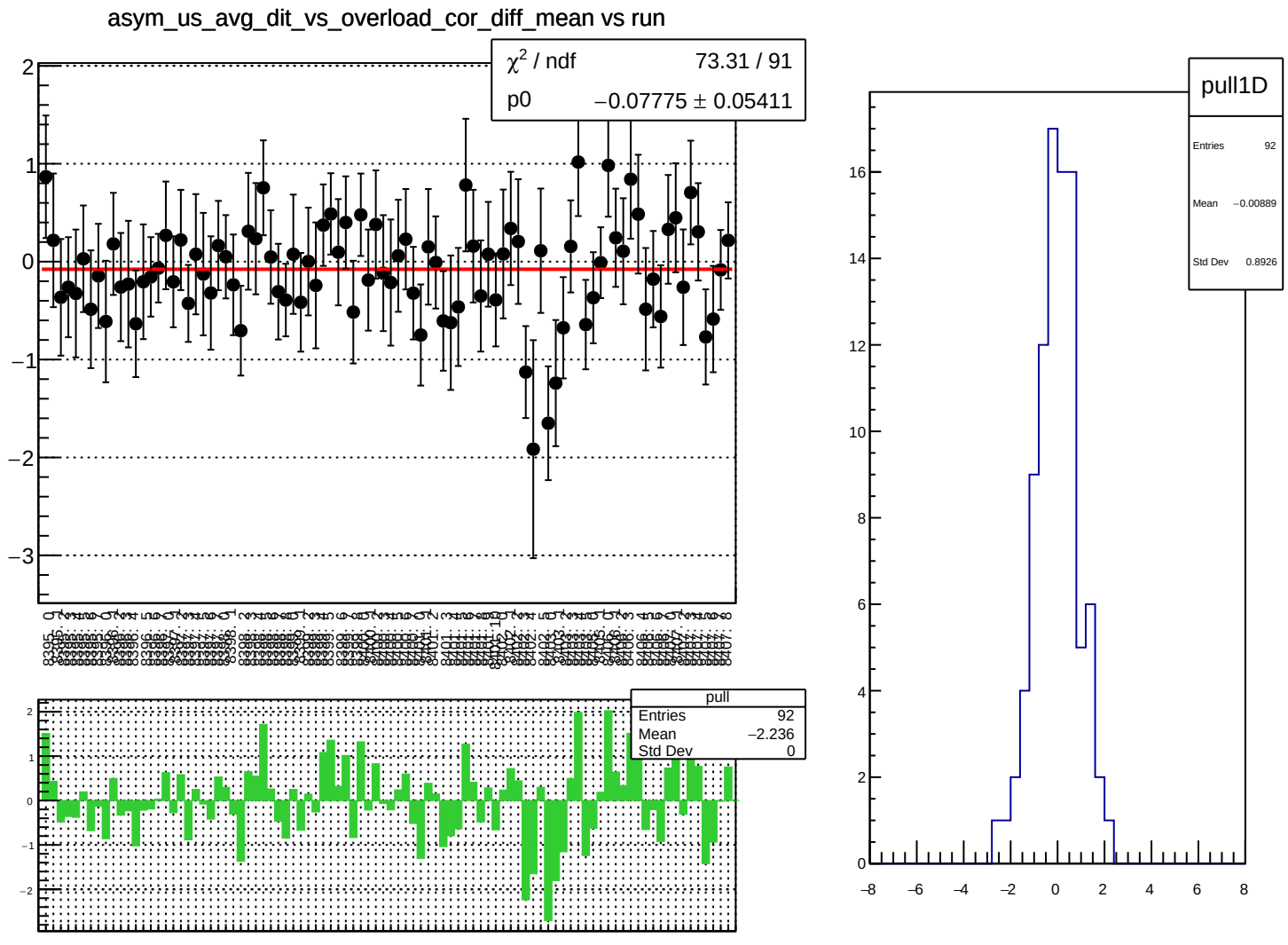

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.16 / 91
p0 −0.05326 ± 0.03903
pull
Entries 92
Mean 229.6
Std Dev 0

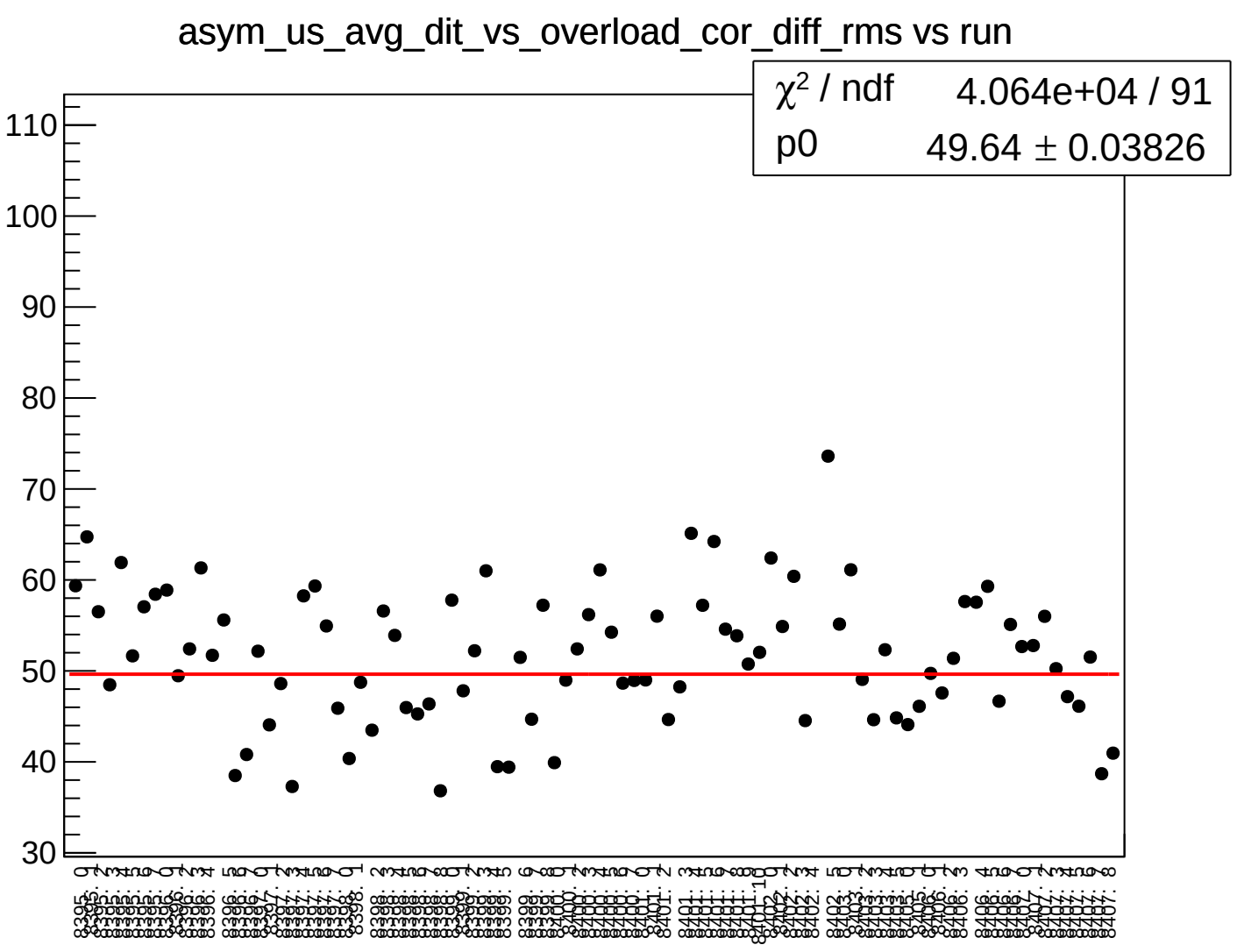

pull1D
Entries 92
Mean 0.0154
Std Dev 0.9953

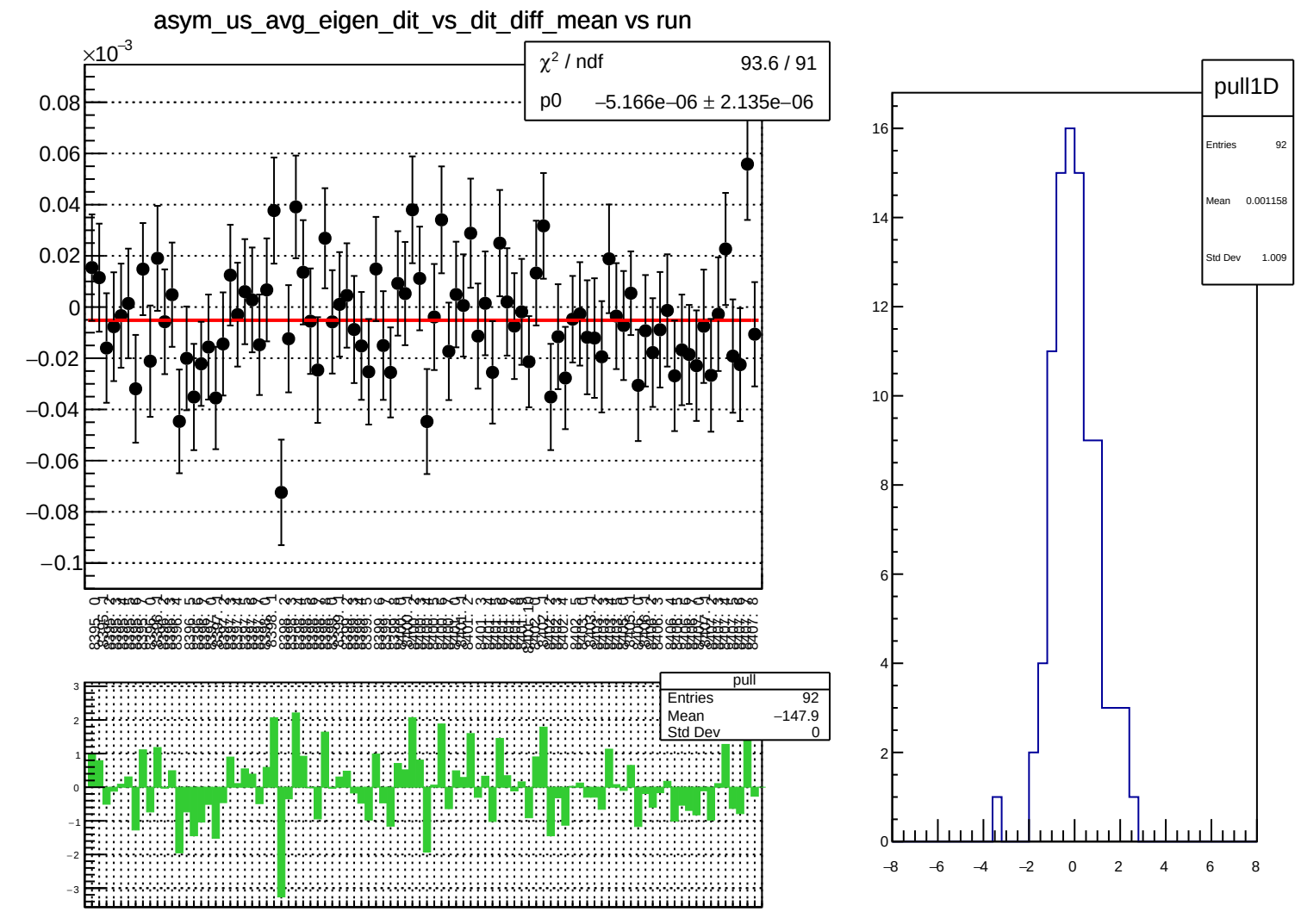

asym_us_avg_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 8.058e+04 / 91
p0 35.38 ± 0.0276
110
100
90
80
70
60
50
40
30
20

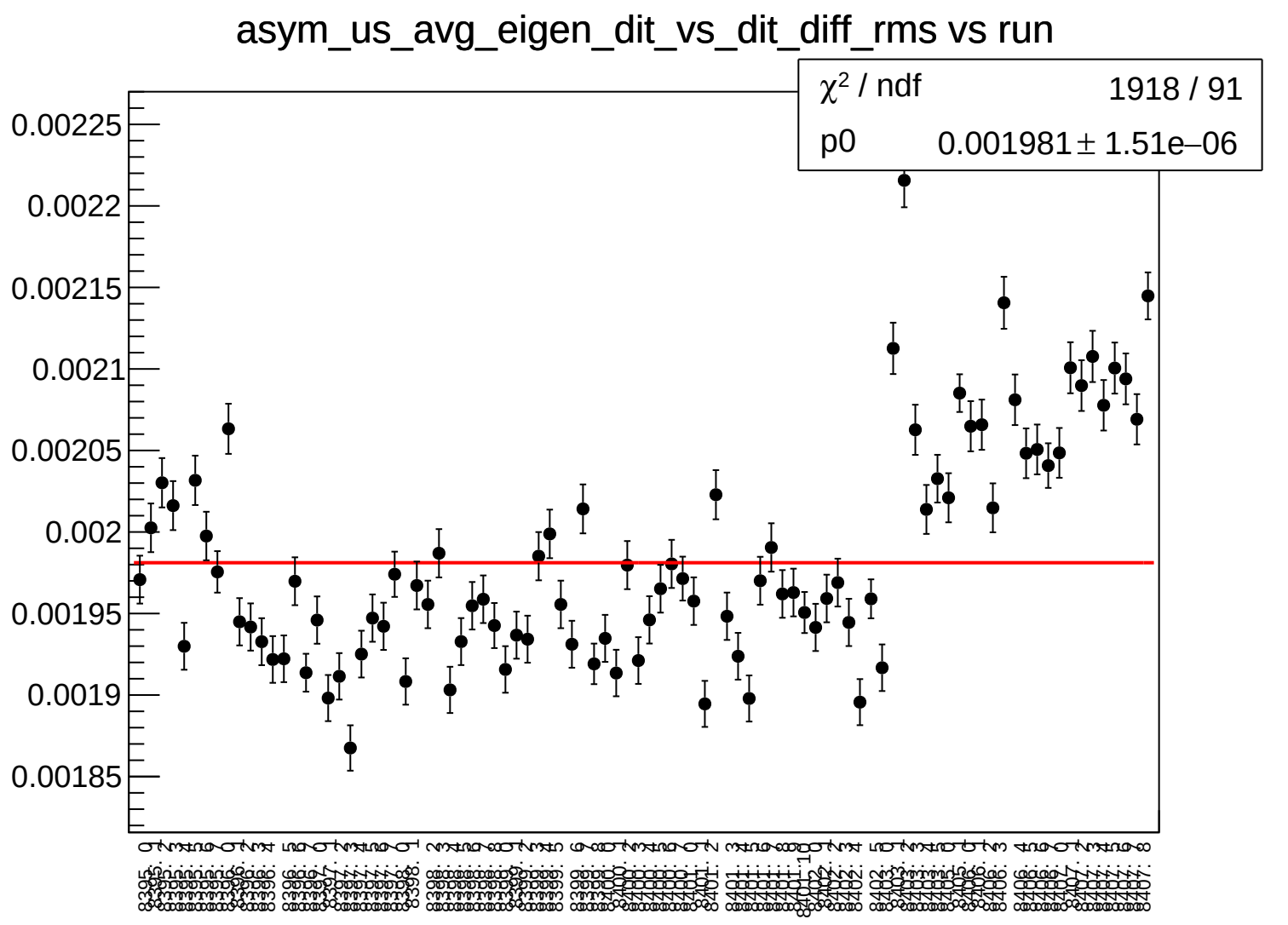

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.16 / 91
p0 −0.05326 ± 0.03903
pull
Entries 92
Mean 229.6
Std Dev 0
pull1D
Entries 92
Mean 0.0154
Std Dev 0.9953

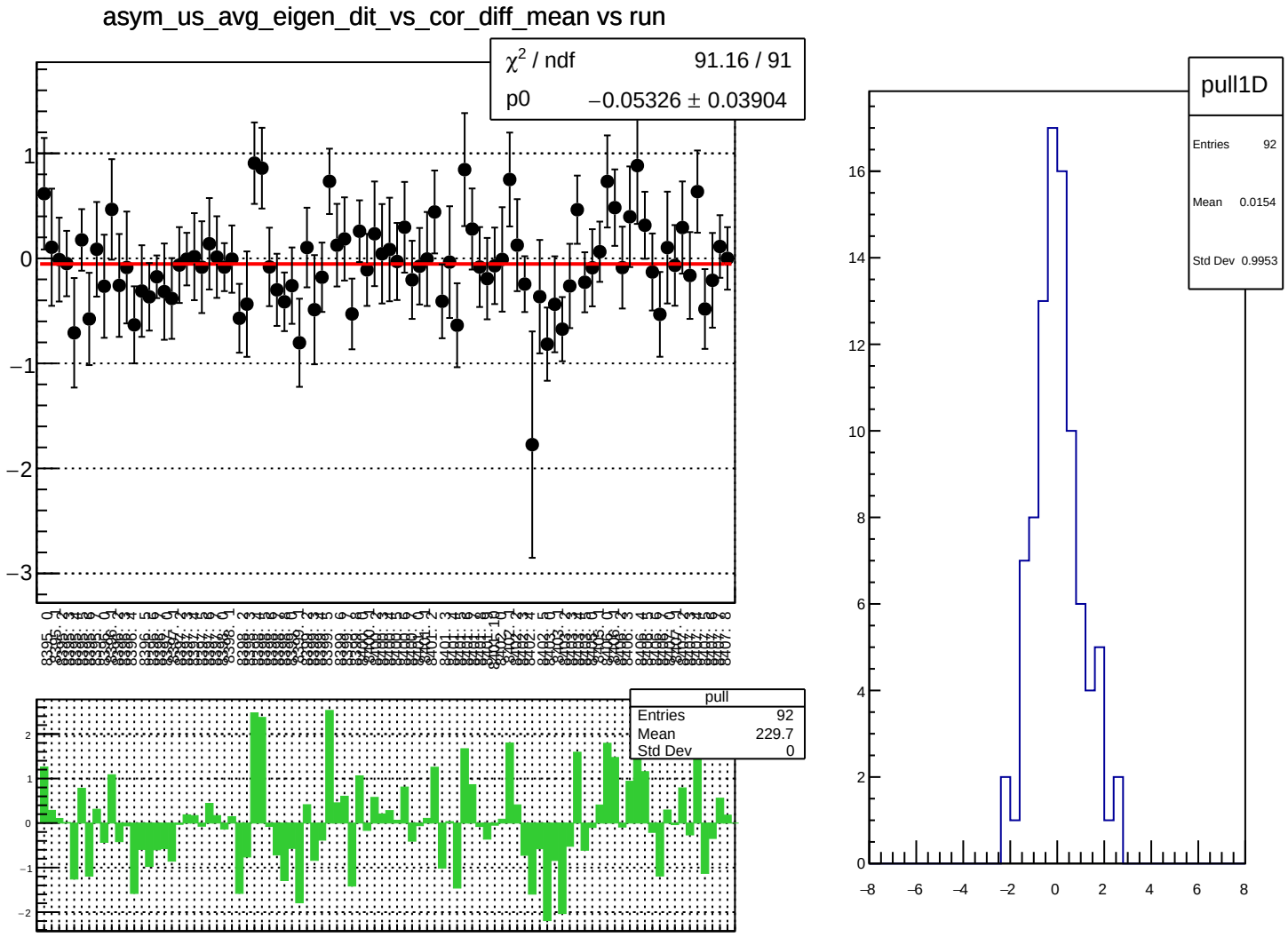

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.058e+04 / 91
p0 35.38 ± 0.0276
110
100
90
80
70
60
50
40
30
20

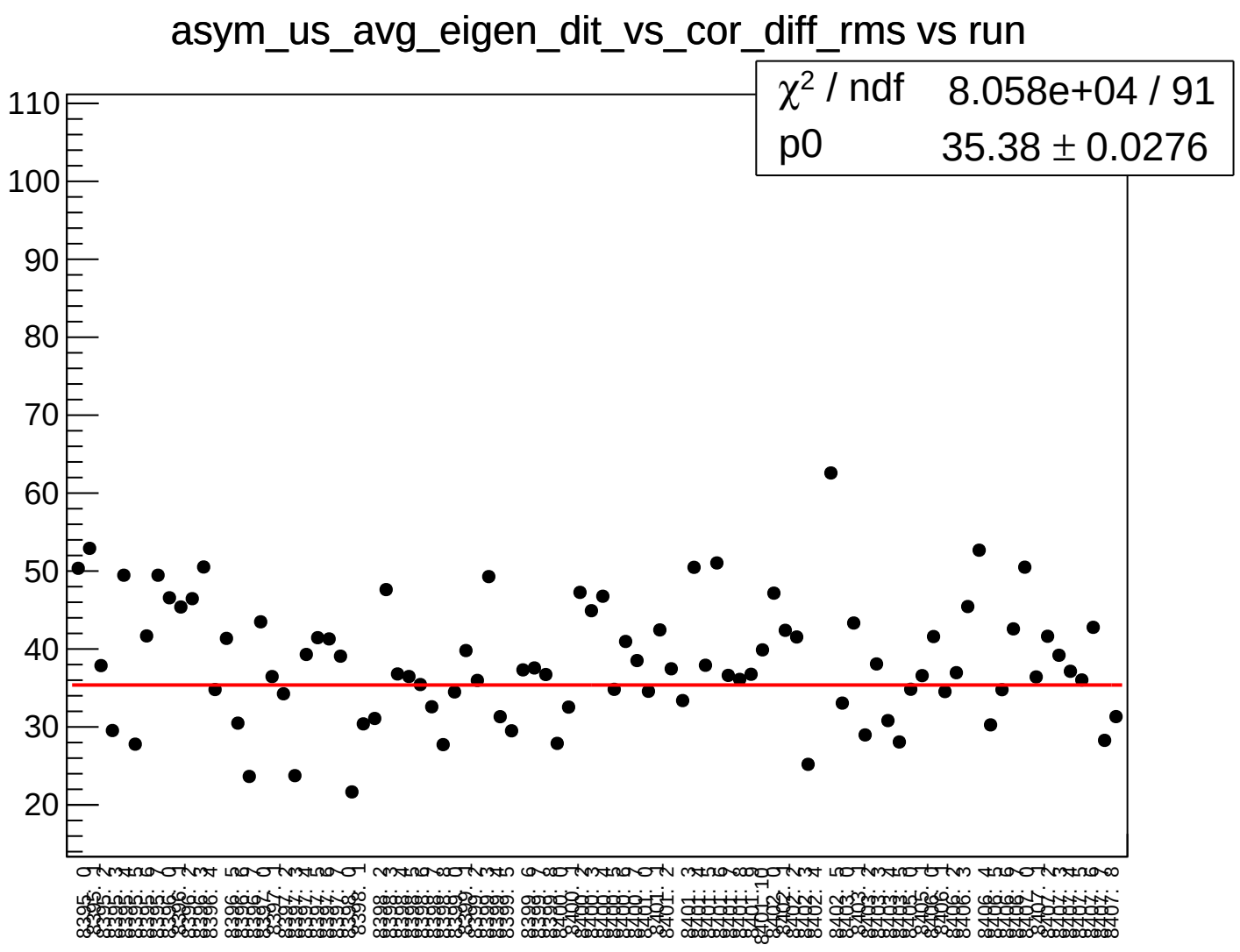

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 73.31 / 91
p0 −0.07775 ± 0.05411
pull
Entries 92
Mean −2.236
Std Dev 0
pull1D
Entries 92
Mean −0.00889
Std Dev 0.8926

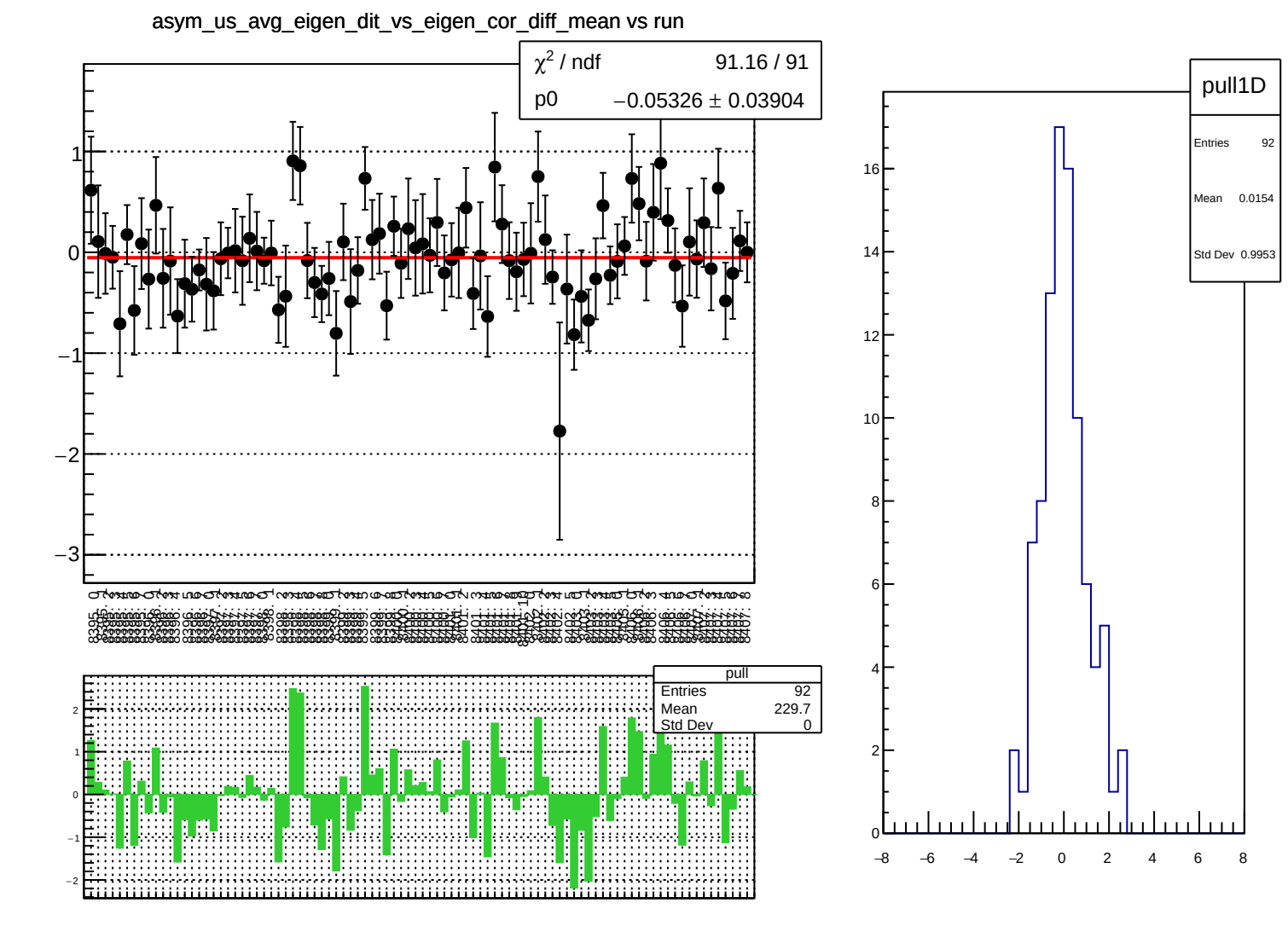

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.064e+04 / 91
p0 49.64 ± 0.03826
110
100
90
80
70
60
50
40
30

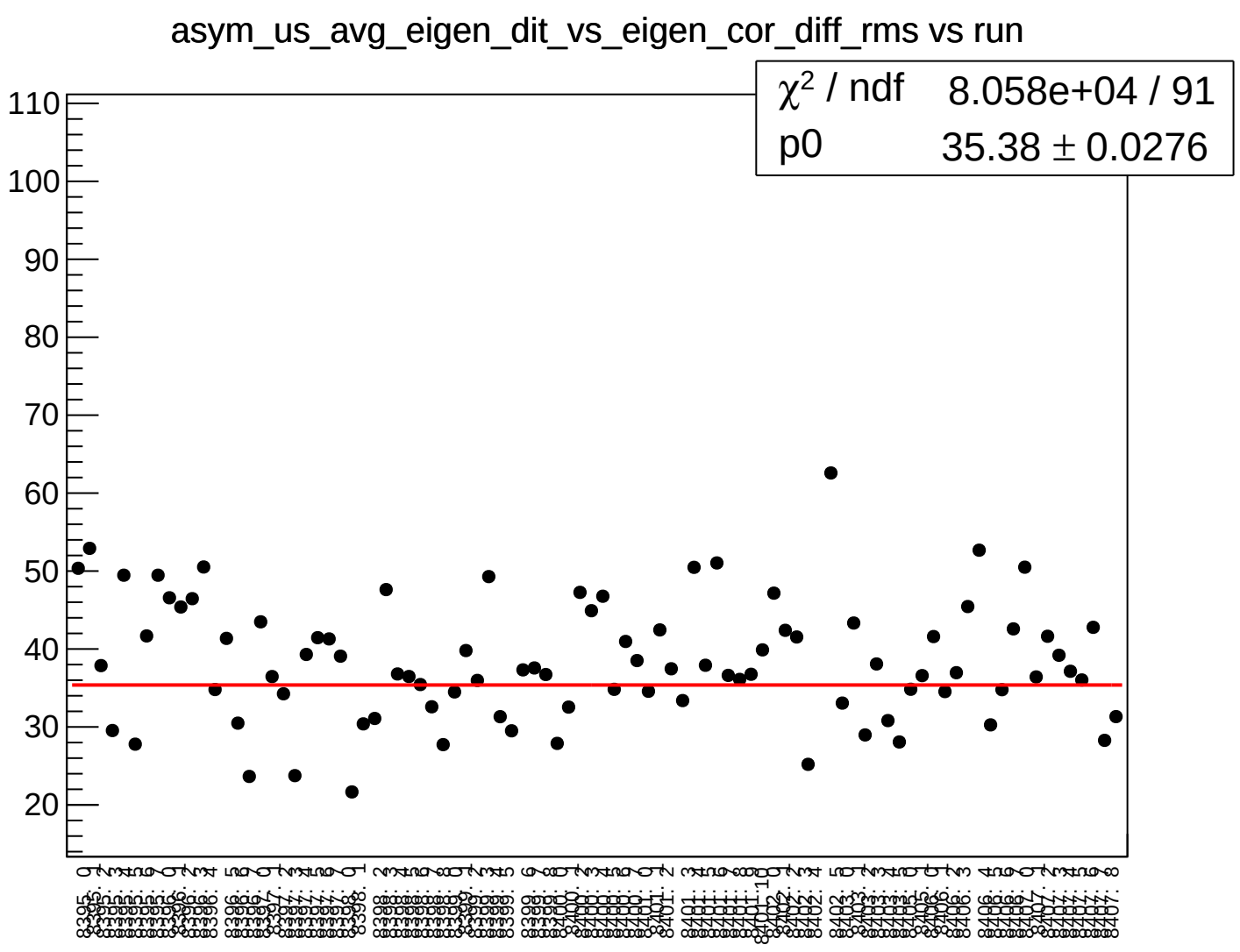

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.6 / 91
p0 −5.166e−06 ± 2.135e−06
pull
Entries 92
Mean −147.9
Std Dev 0
pull1D
Entries 92
Mean 0.001158
Std Dev 1.009

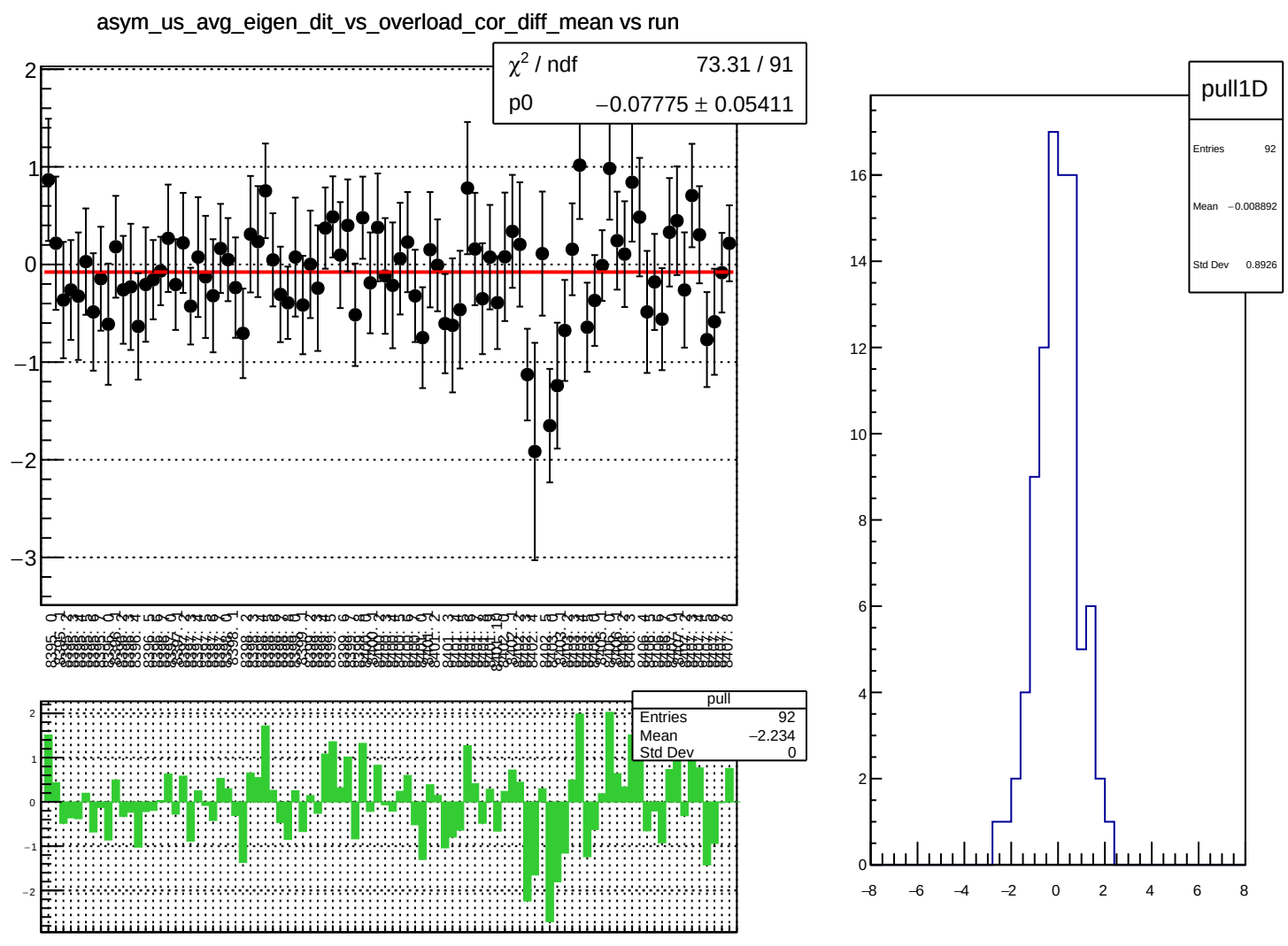

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1918 / 91
p0 0.001981 ± 1.51e–06
0.00225
0.0022
0.00215
0.0021
0.00205
0.002
0.00195
0.0019
0.00185

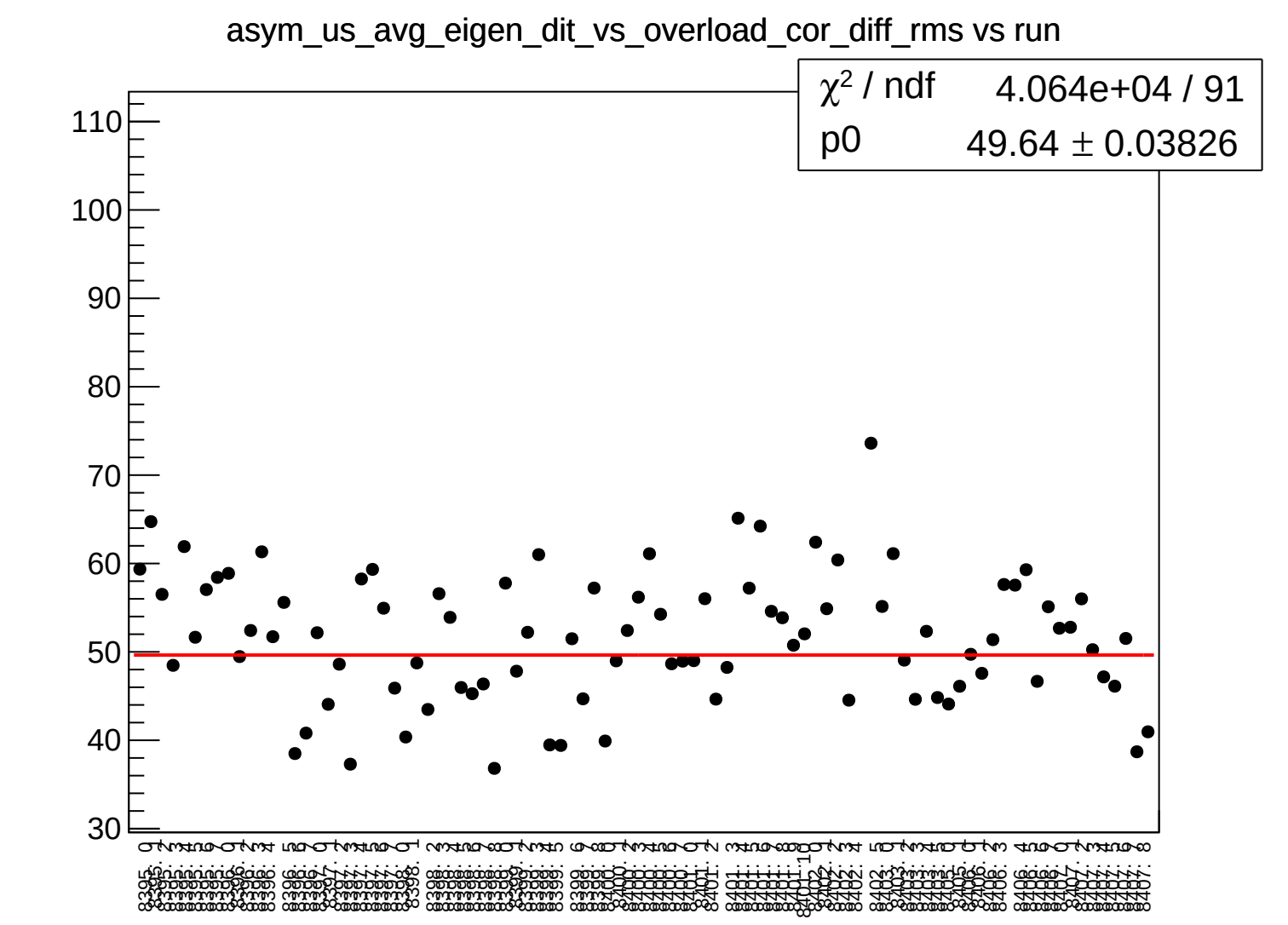

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.16 / 91
p0 −0.05326 ± 0.03904
pull
Entries 92
Mean 229.7
Std Dev 0
pull1D
Entries 92
Mean 0.0154
Std Dev 0.9953

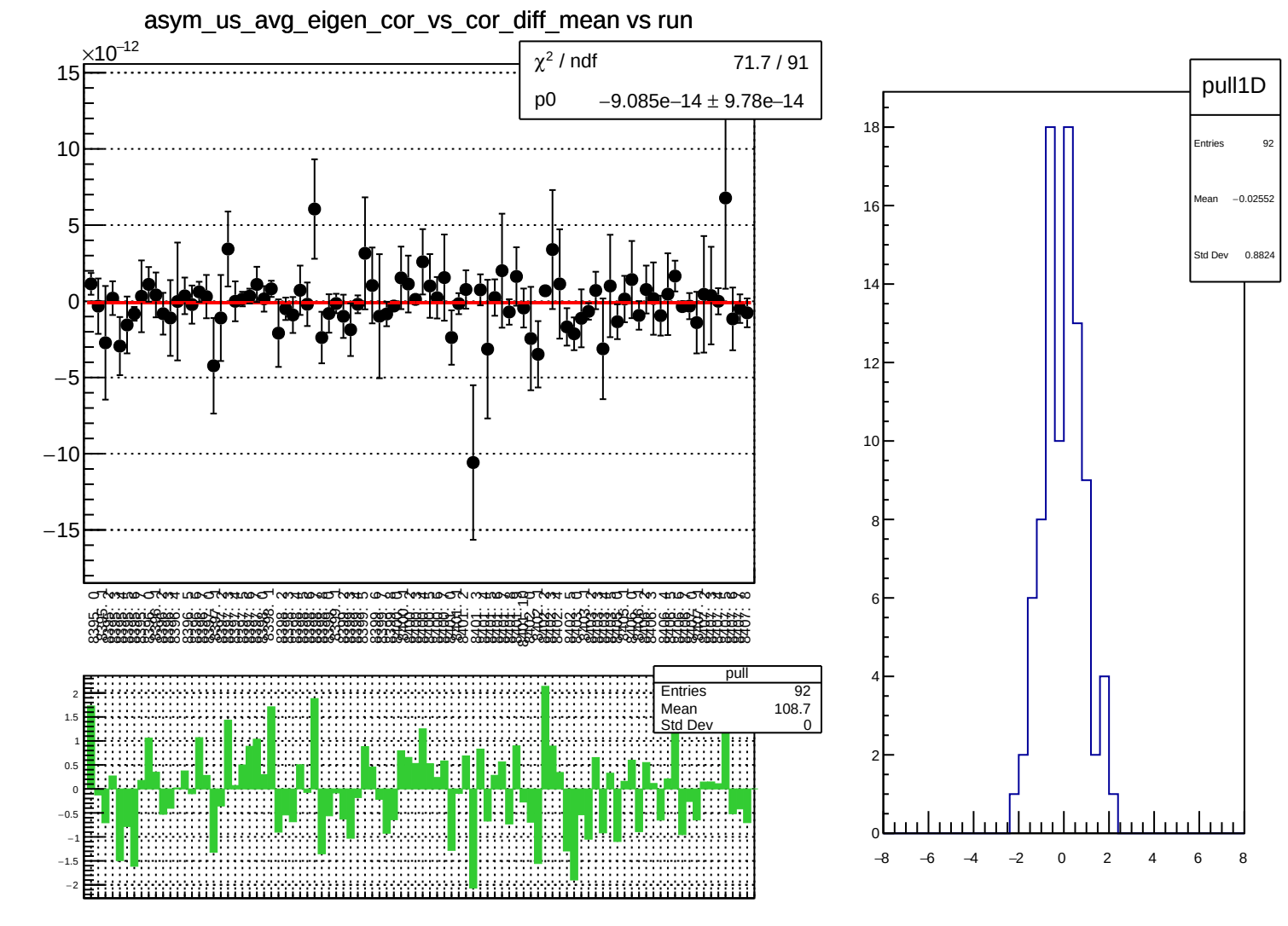

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.058e+04 / 91
p0 35.38 ± 0.0276
110
100
90
80
70
60
50
40
30
20

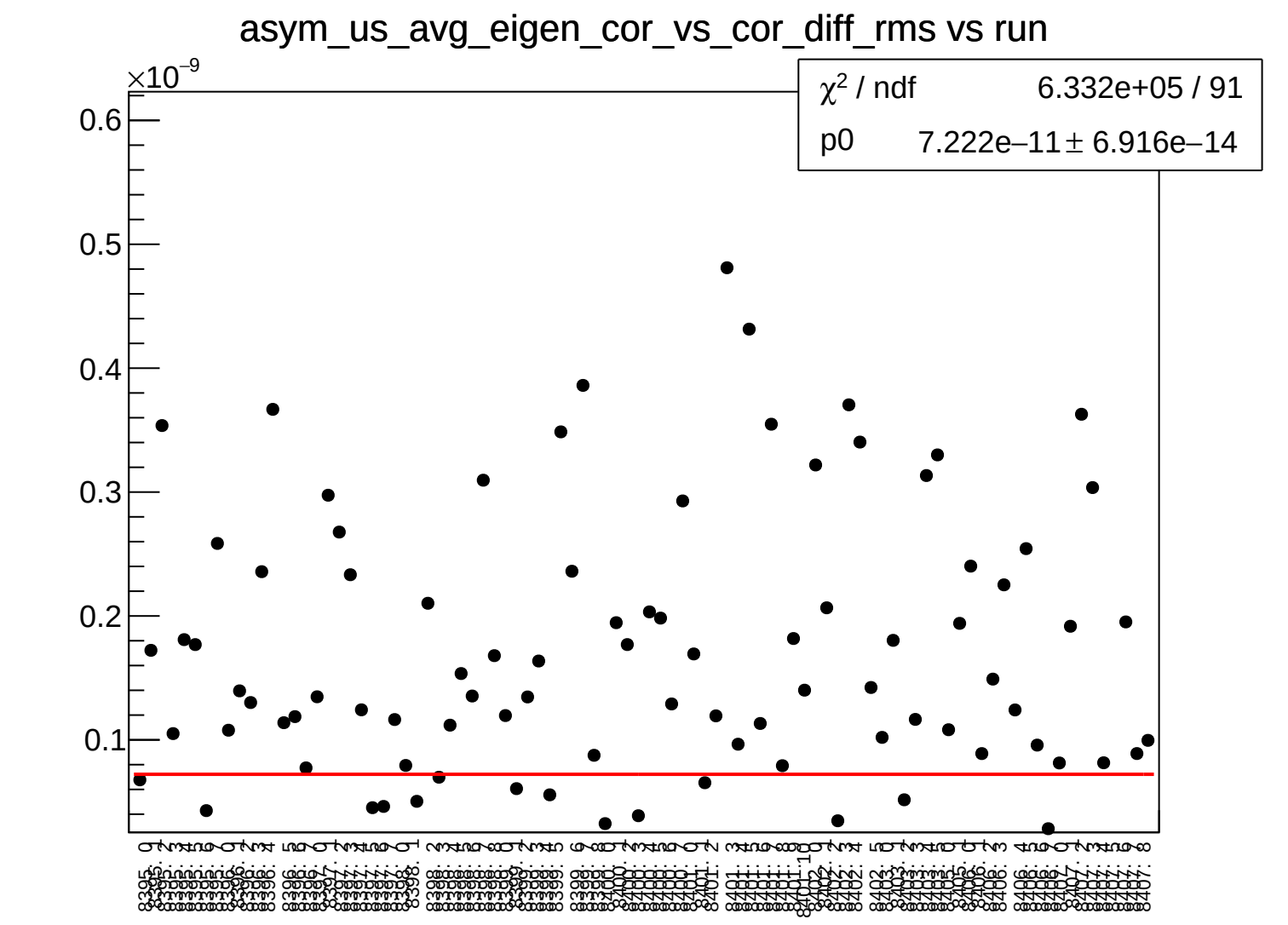

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.16 / 91
p0 −0.05326 ± 0.03904
pull
Entries 92
Mean 229.7
Std Dev 0
pull1D
Entries 92
Mean 0.0154
Std Dev 0.9953

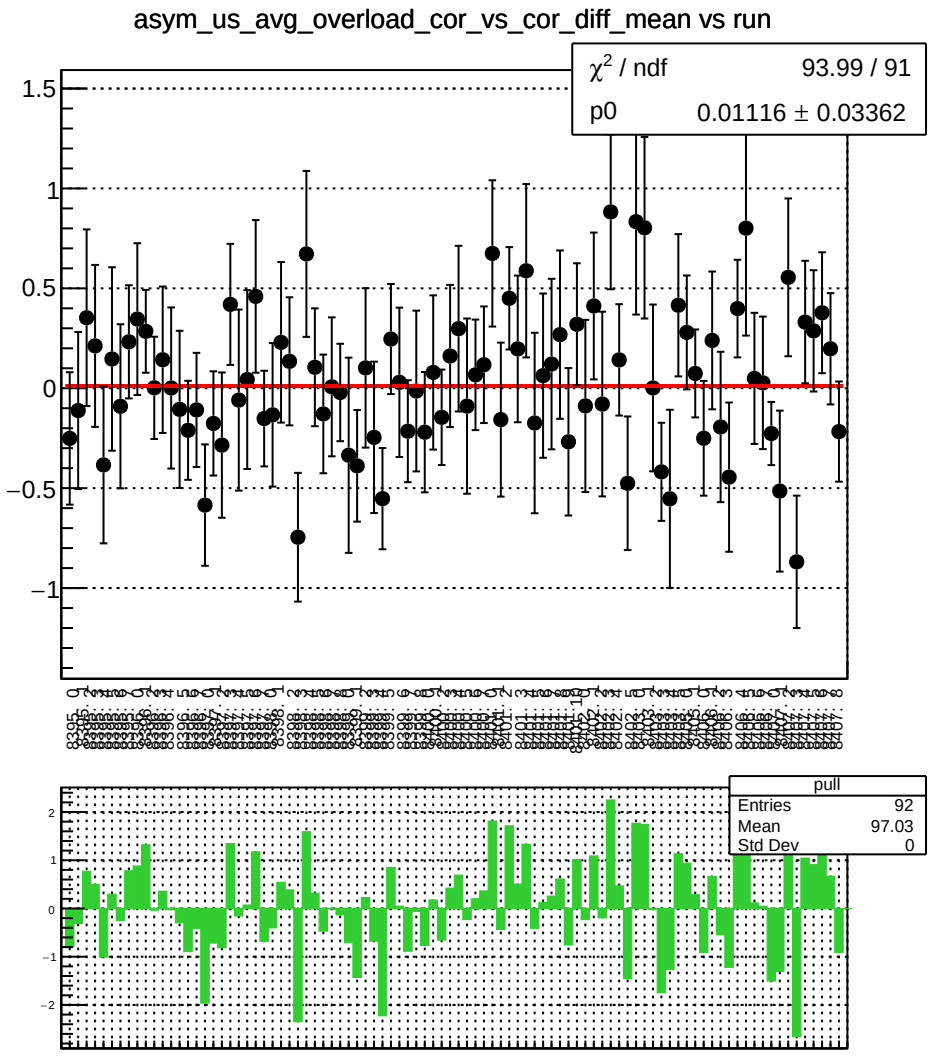

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.058e+04 / 91
p0 35.38 ± 0.0276
110
100
90
80
70
60
50
40
30
20

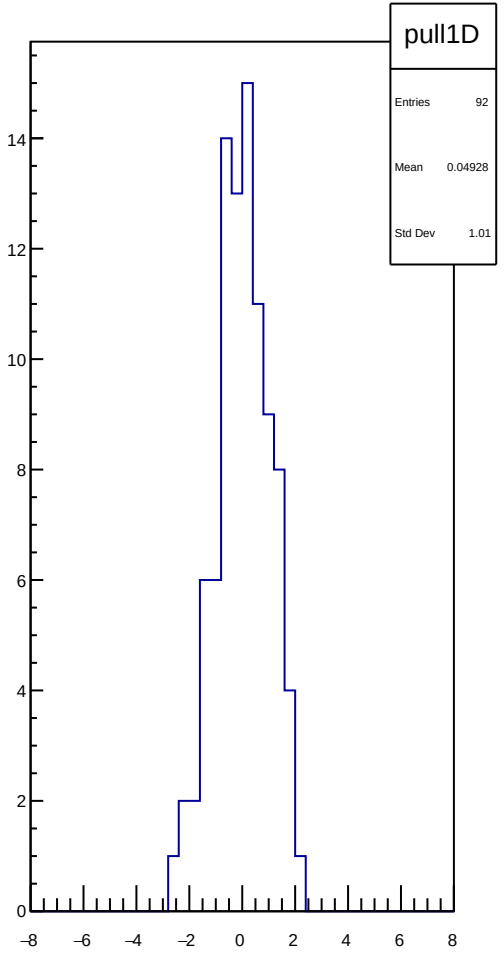

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 73.31 / 91
p0 −0.07775 ± 0.05411
pull
Entries 92
Mean −2.234
Std Dev 0
pull1D
Entries 92
Mean −0.008892
Std Dev 0.8926

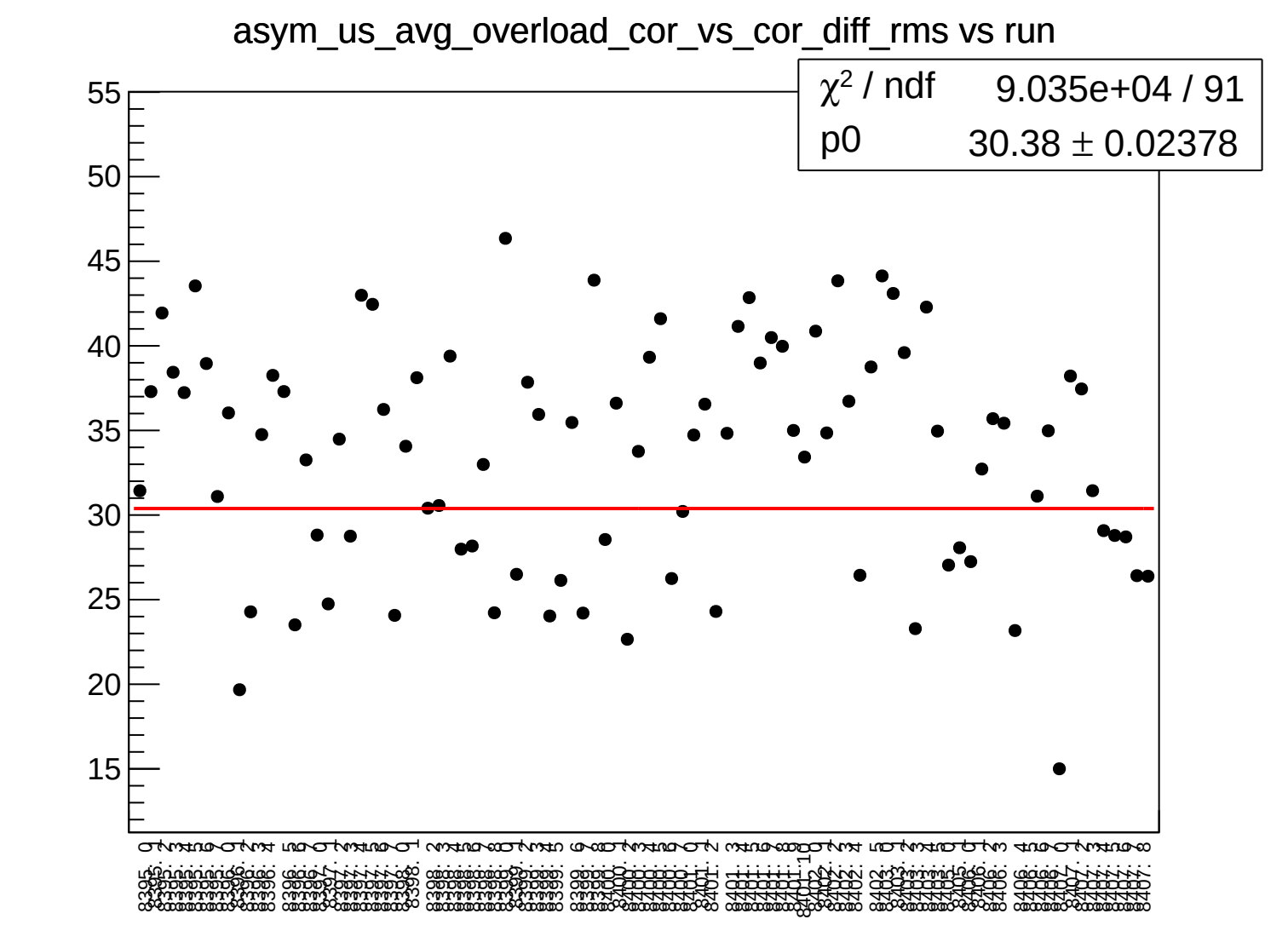

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.064e+04 / 91
p0 49.64 ± 0.03826
110
100
90
80
70
60
50
40
30

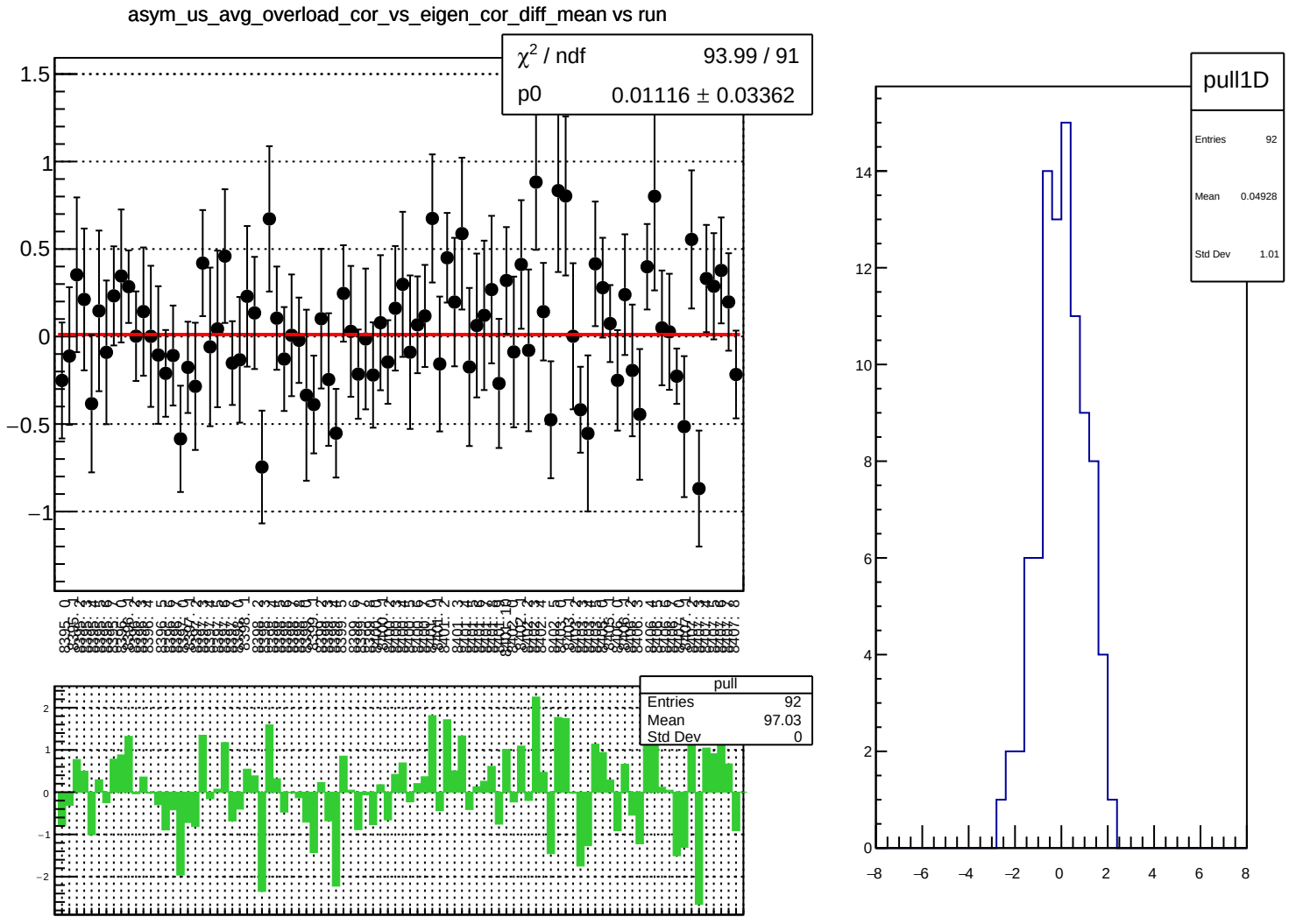

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.7 / 91
p0 −9.085e−14 ± 9.78e−14
pull
Entries 92
Mean 108.7
Std Dev 0
pull1D
Entries 92
Mean −0.02552
Std Dev 0.8824

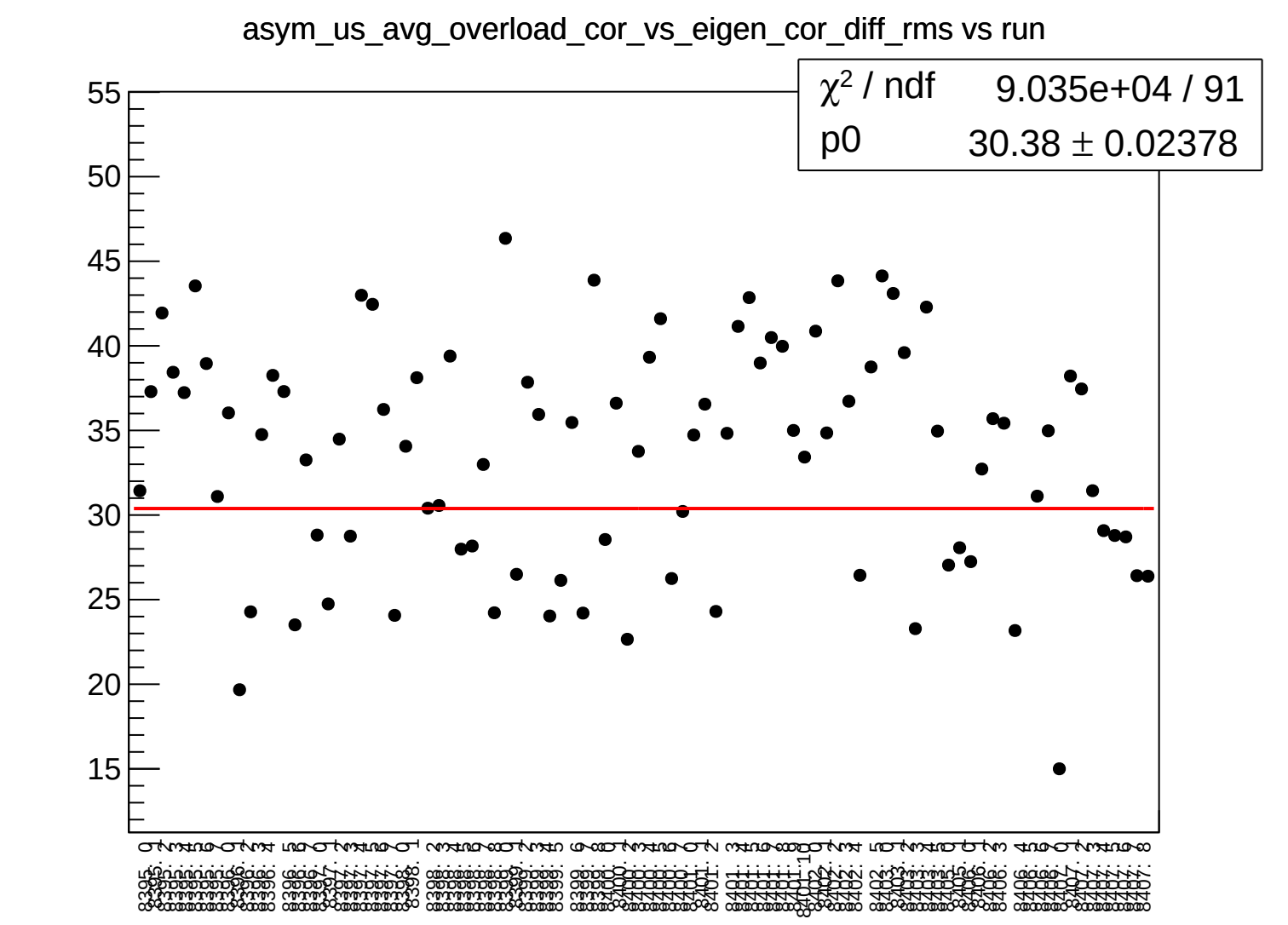

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.332e+05 / 91
p0 7.222e−11 ± 6.916e−14
0.6
0.5
0.4
0.3
0.2
0.1

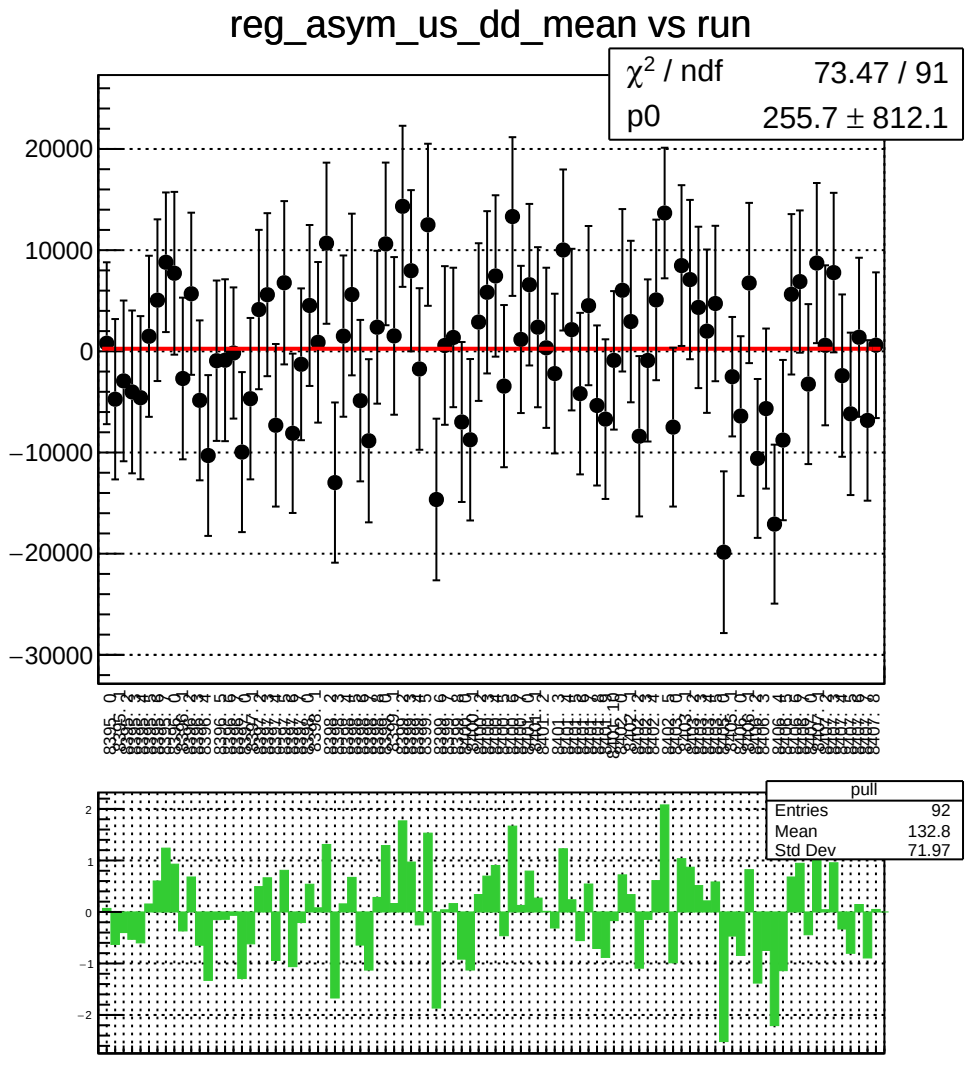

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 93.99 / 91
p0 0.01116 ± 0.03362
pull
Entries 92
Mean 97.03
Std Dev 0

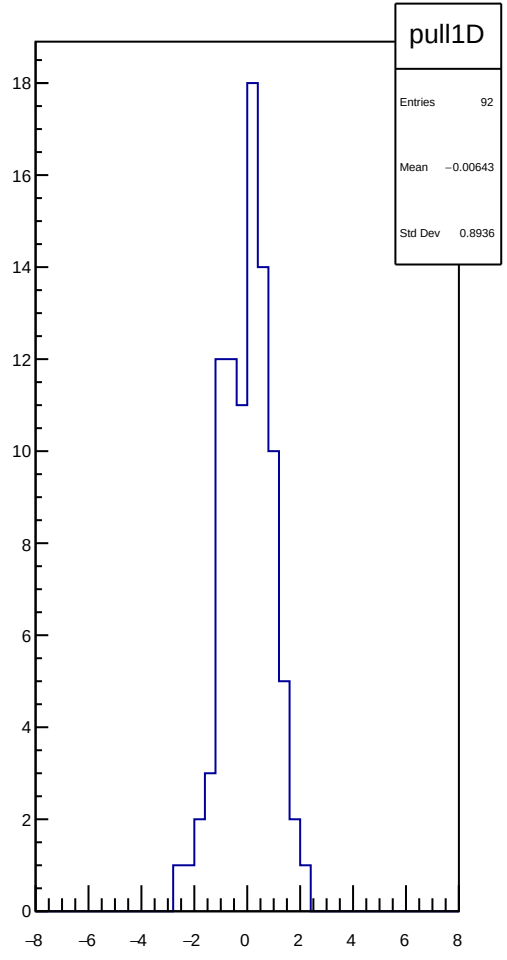

pull1D
Entries 92
Mean 0.04928
Std Dev 1.01

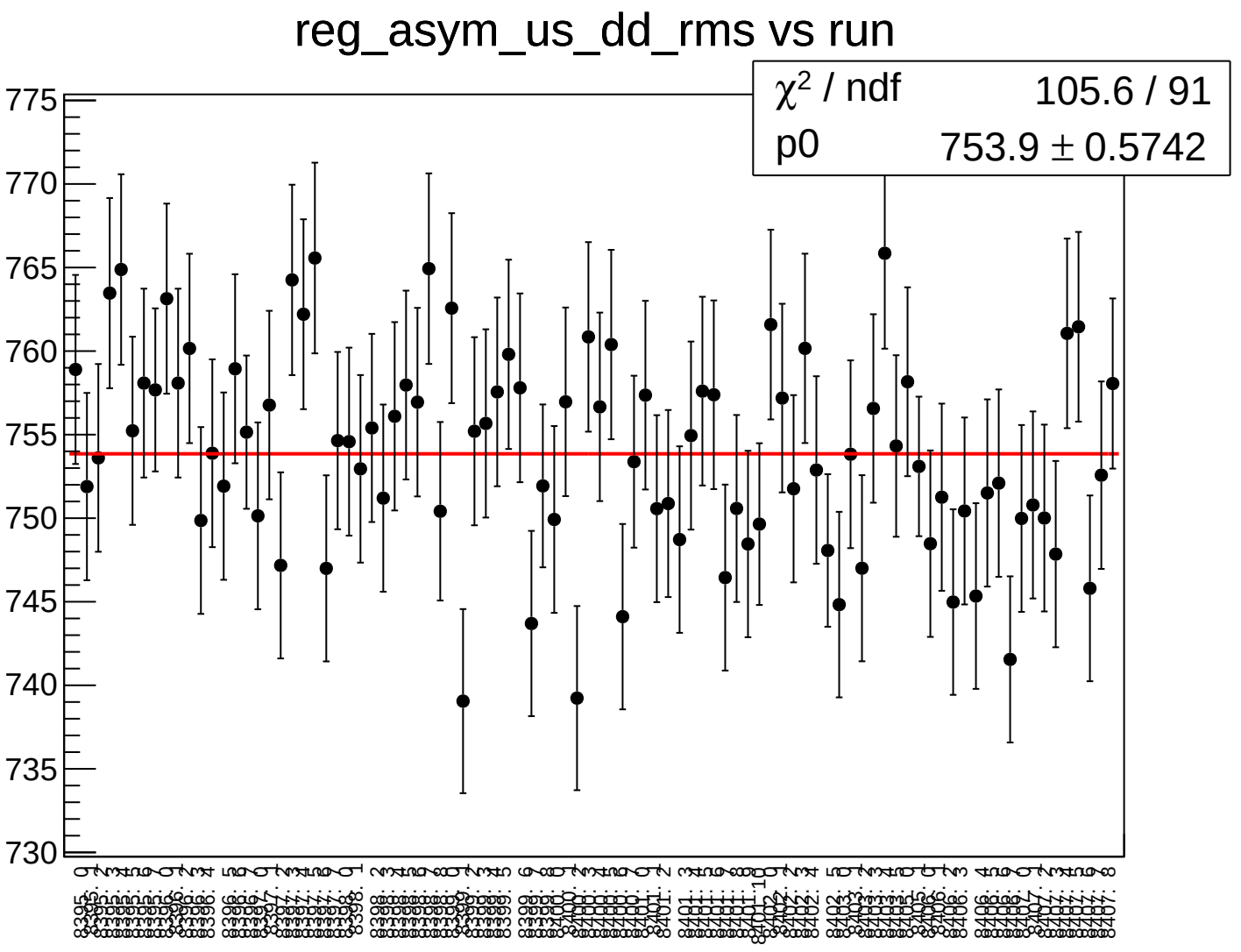

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 9.035e+04 / 91
p0 30.38 ± 0.02378
55
50
45
40
35
30
25
20
15

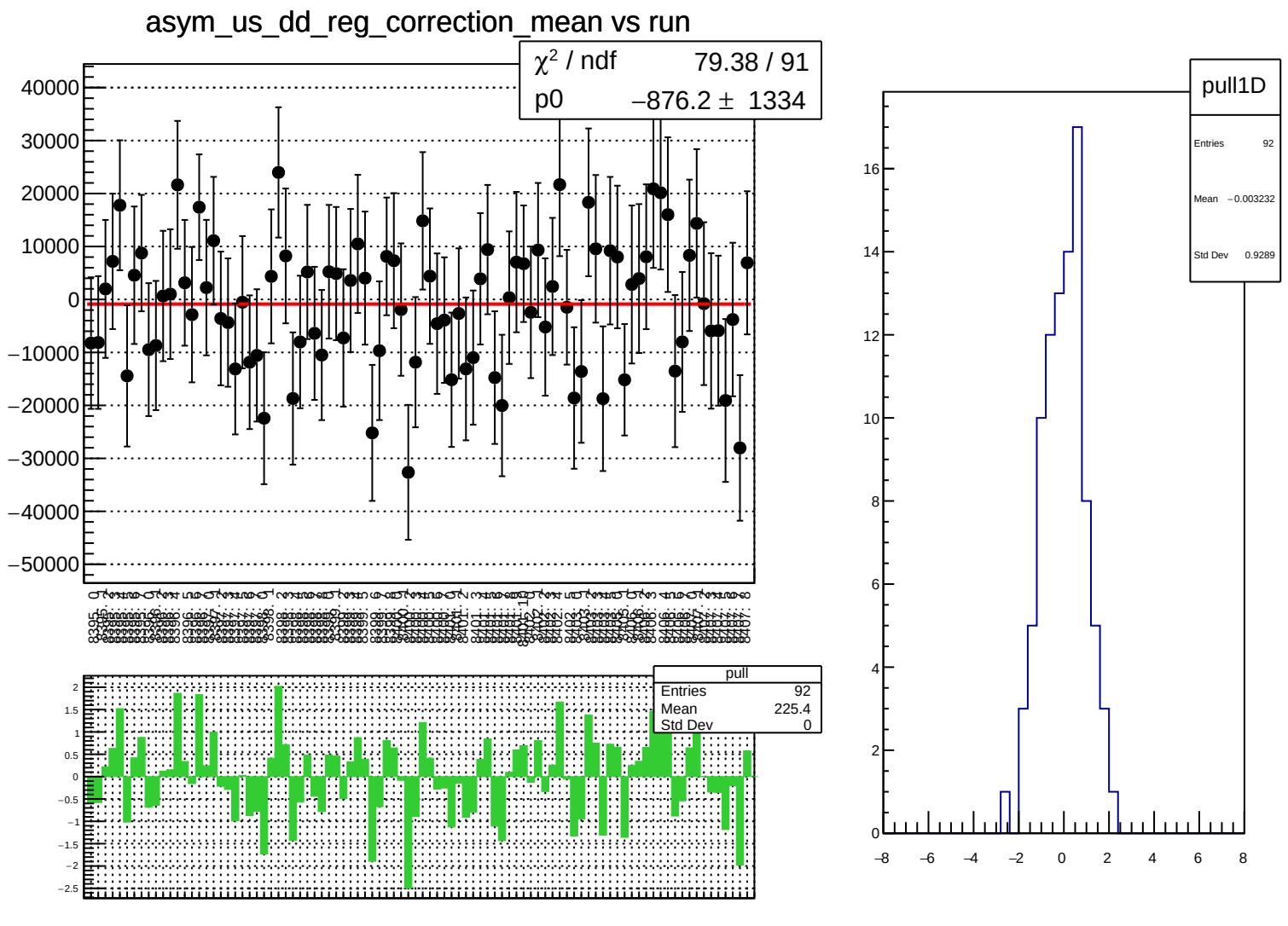

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.99 / 91
p0 0.01116 ± 0.03362
pull
Entries 92
Mean 97.03
Std Dev 0
pull1D
Entries 92
Mean 0.04928
Std Dev 1.01

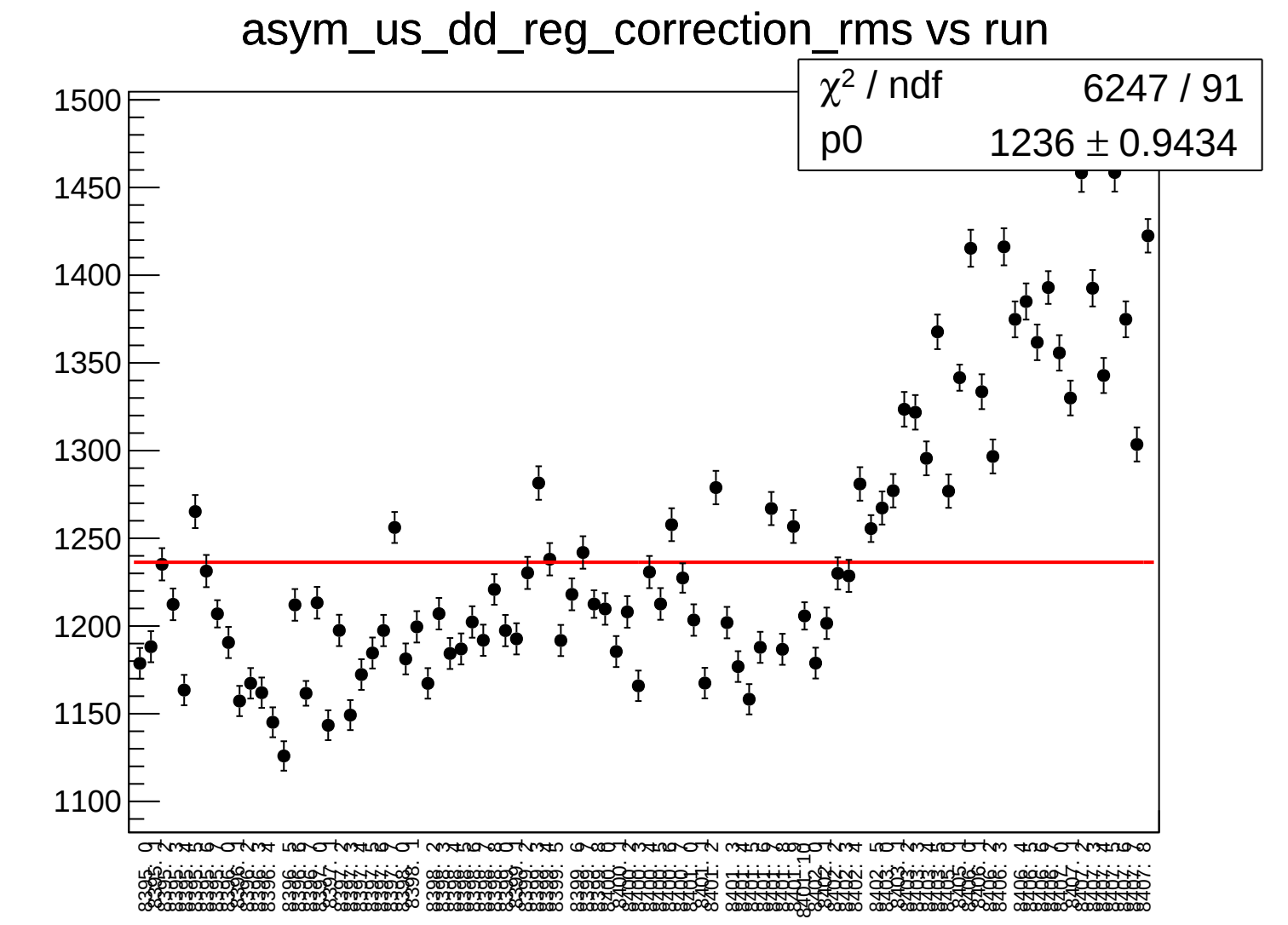

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.035e+04 / 91
p0 30.38 ± 0.02378
55
50
45
40
35
30
25
20
15

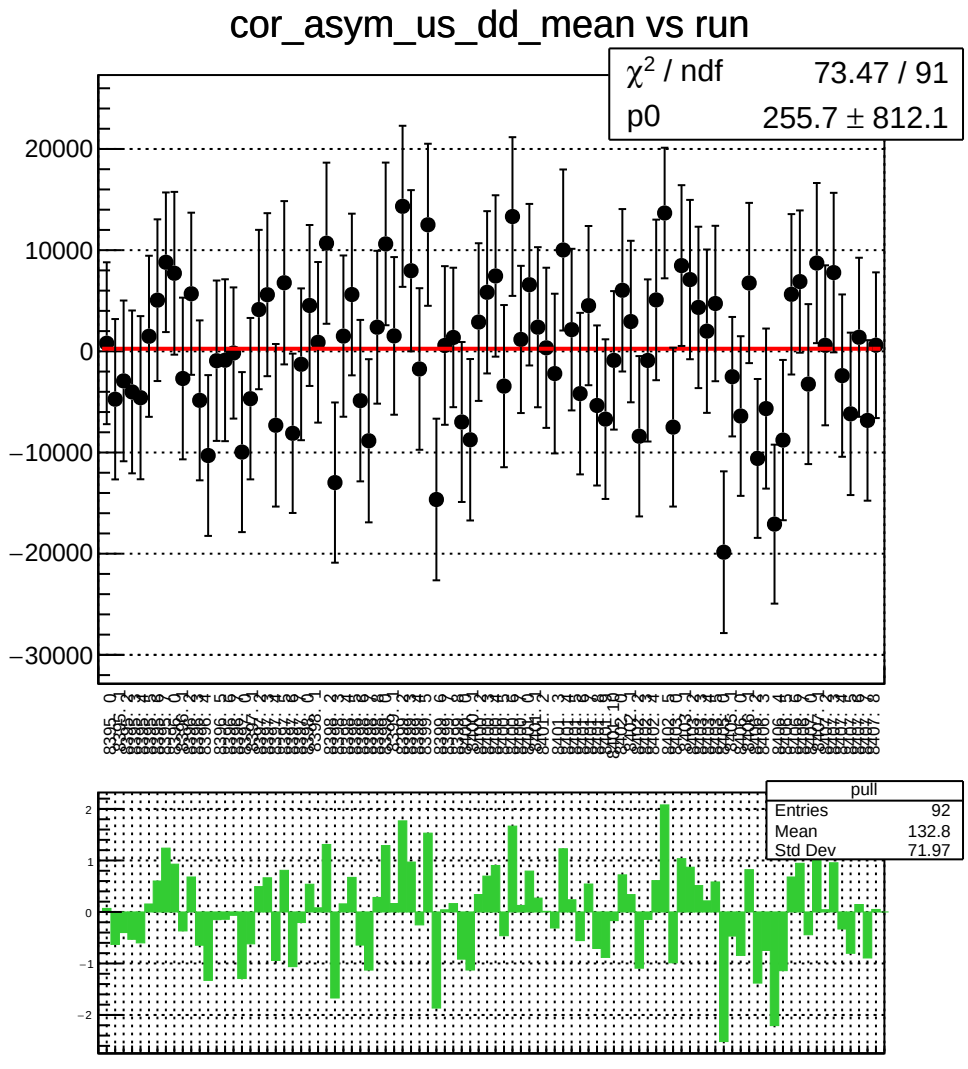

reg_asym_us_dd_mean vs run
χ² / ndf 73.47 / 91
p0 255.7 ± 812.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 132.8
Std Dev 71.97
2
1
0
−1
−2

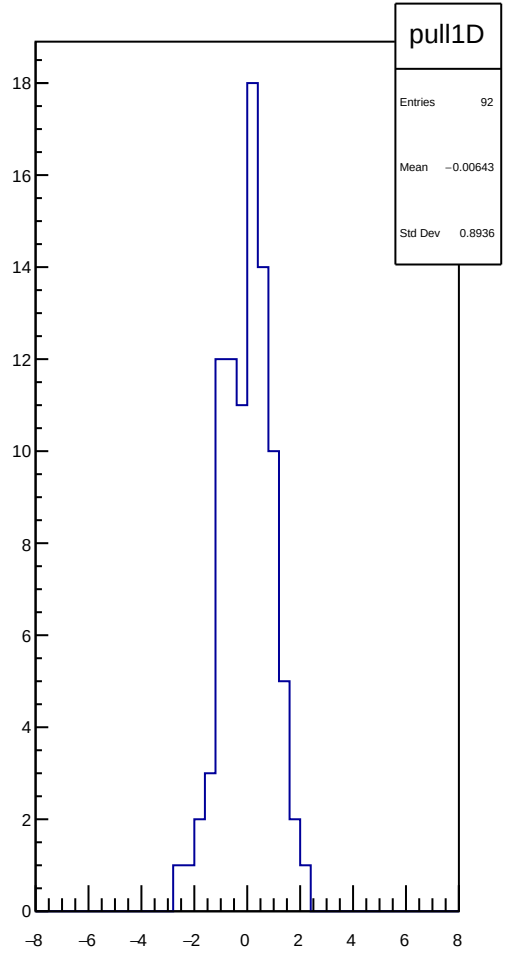

pull1D
Entries 92
Mean −0.00643
Std Dev 0.8936
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

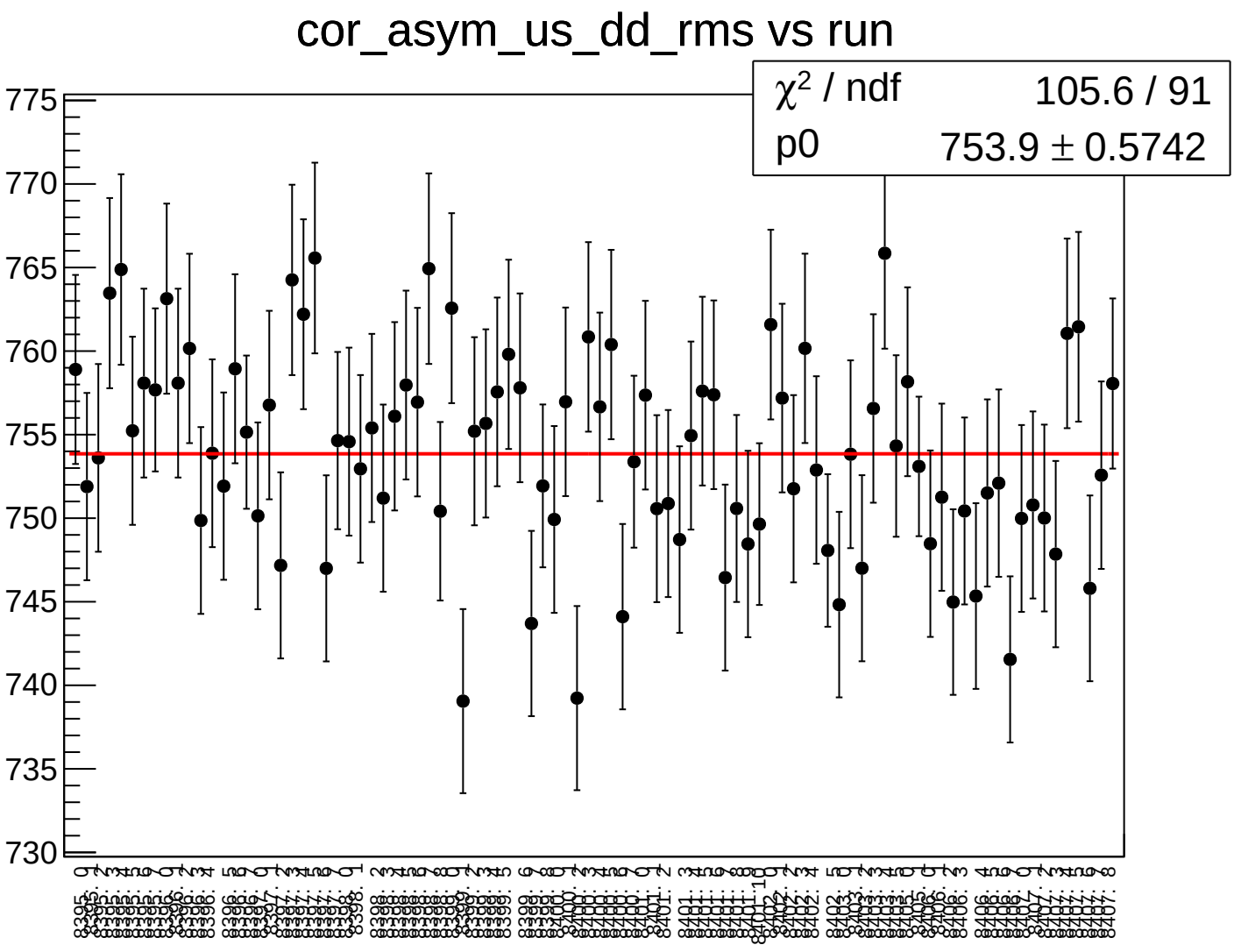

reg_asym_us_dd_rms vs run
$\chi^2$ / ndf 105.6 / 91
p0 753.9 ± 0.5742
775
770
765
760
755
750
745
740
735
730

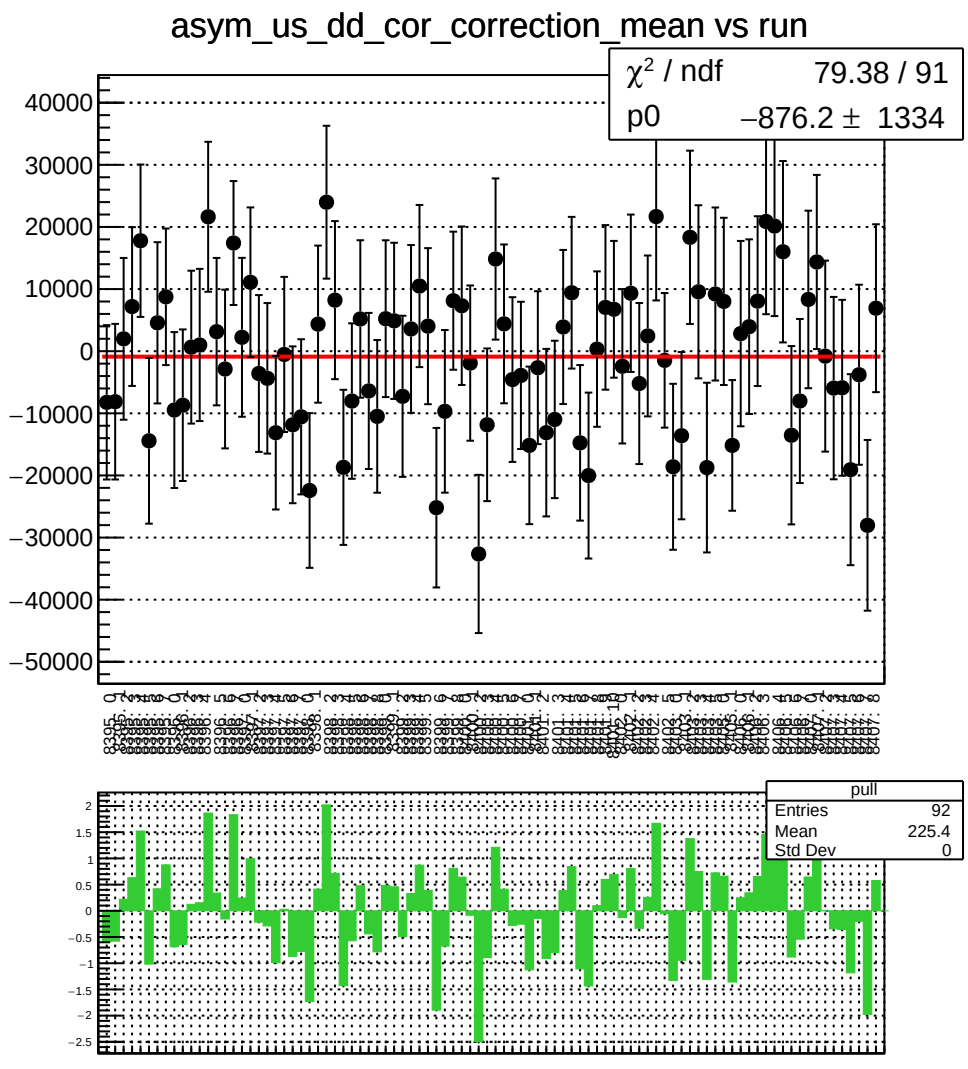

asym_us_dd_reg_correction_mean vs run
χ² / ndf 79.38 / 91
p0 −876.2 ± 1334
pull
Entries 92
Mean 225.4
Std Dev 0
pull1D
Entries 92
Mean −0.003232
Std Dev 0.9289

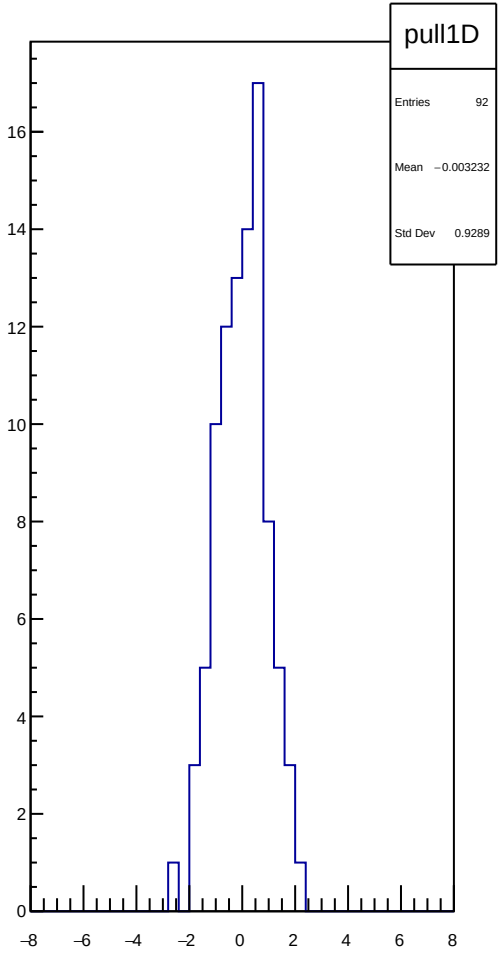

asym_us_dd_reg_correction_rms vs run
χ² / ndf 6247 / 91
p0 1236 ± 0.9434
1500
1450
1400
1350
1300
1250
1200
1150
1100

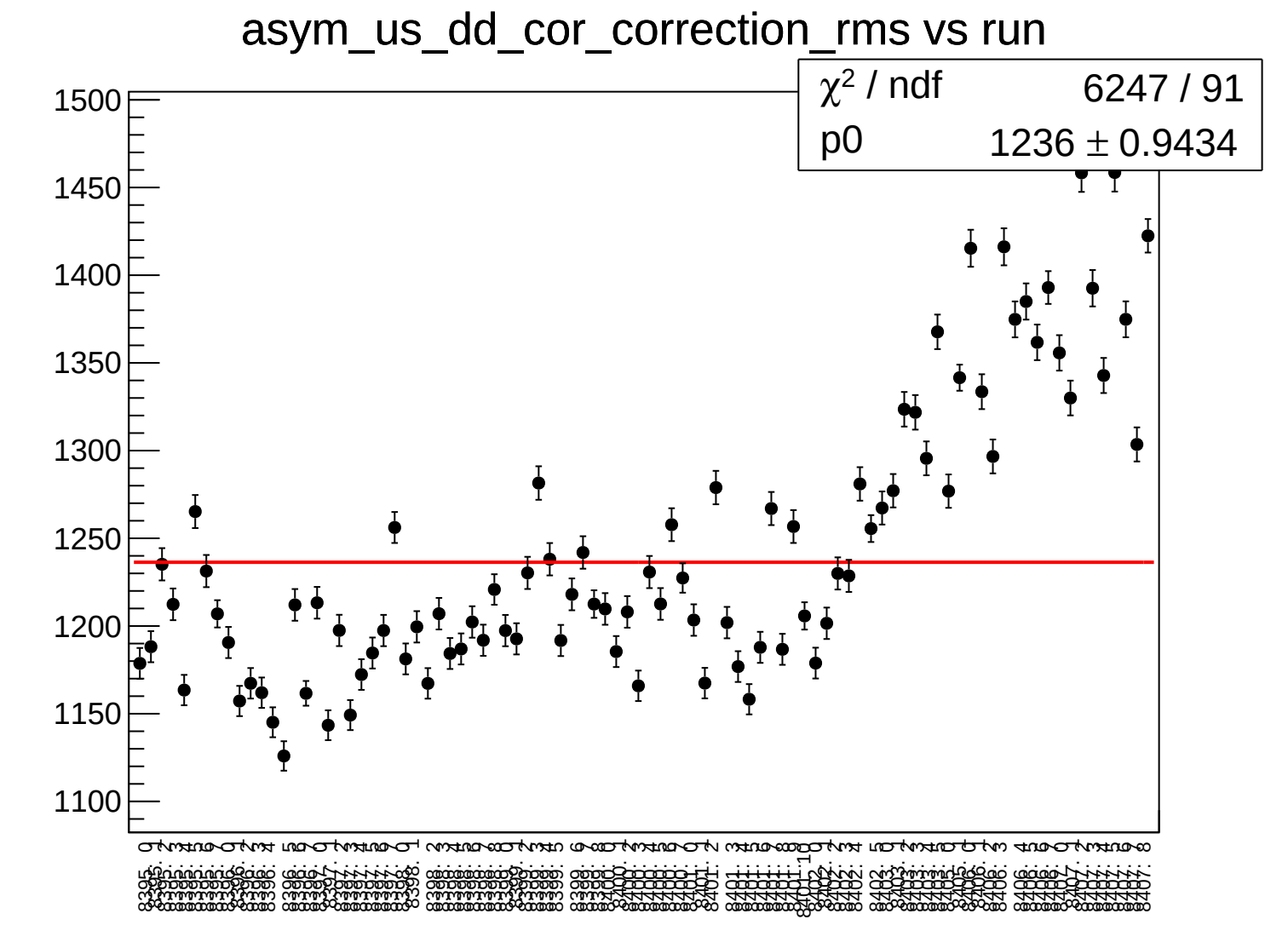

cor_asym_us_dd_mean vs run
χ² / ndf 73.47 / 91
p0 255.7 ± 812.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 132.8
Std Dev 71.97
2
1
0
−1
−2

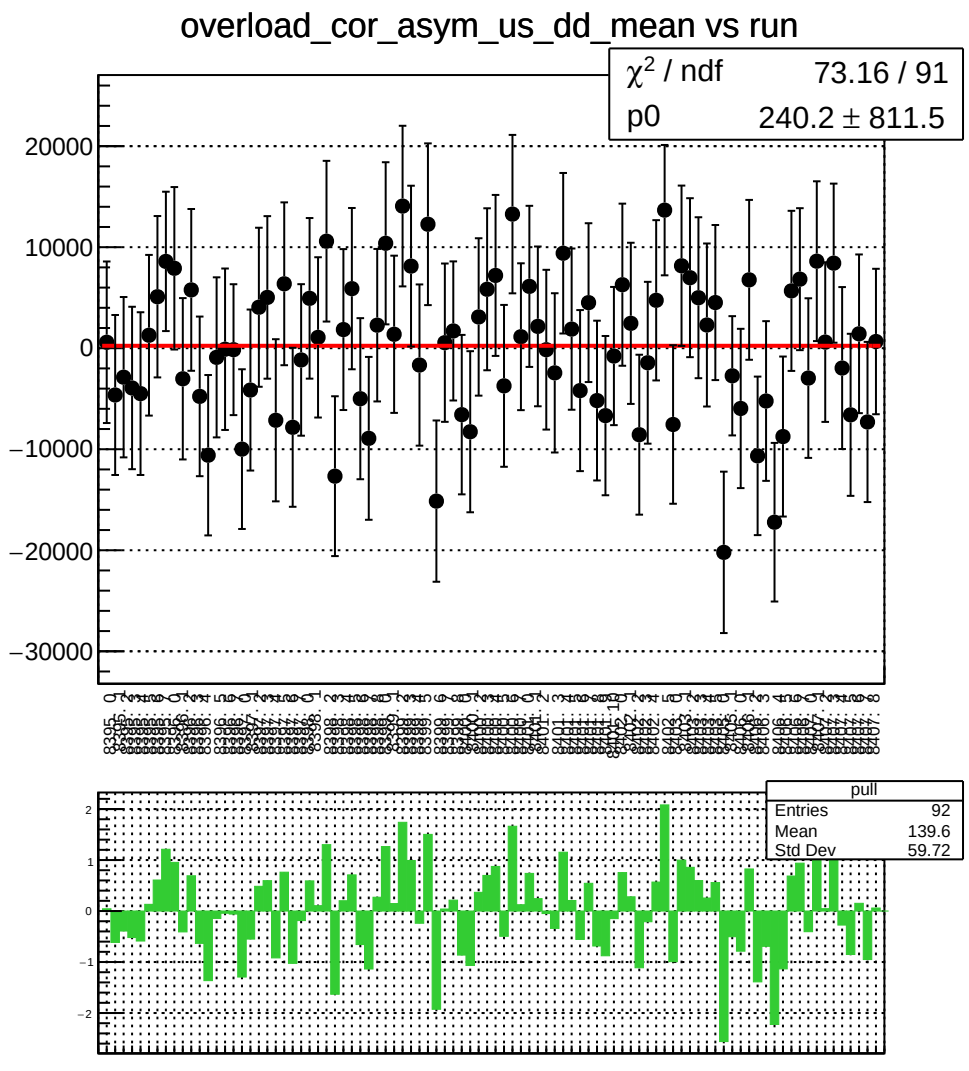

pull1D
Entries 92
Mean −0.00643
Std Dev 0.8936
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

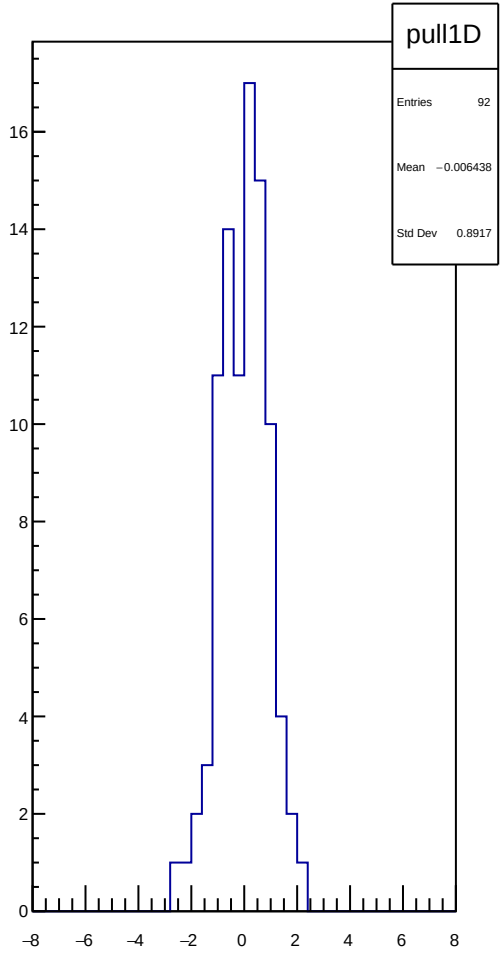

cor_asym_us_dd_rms vs run
$\chi^2$ / ndf 105.6 / 91
p0 753.9 ± 0.5742
775
770
765
760
755
750
745
740
735
730

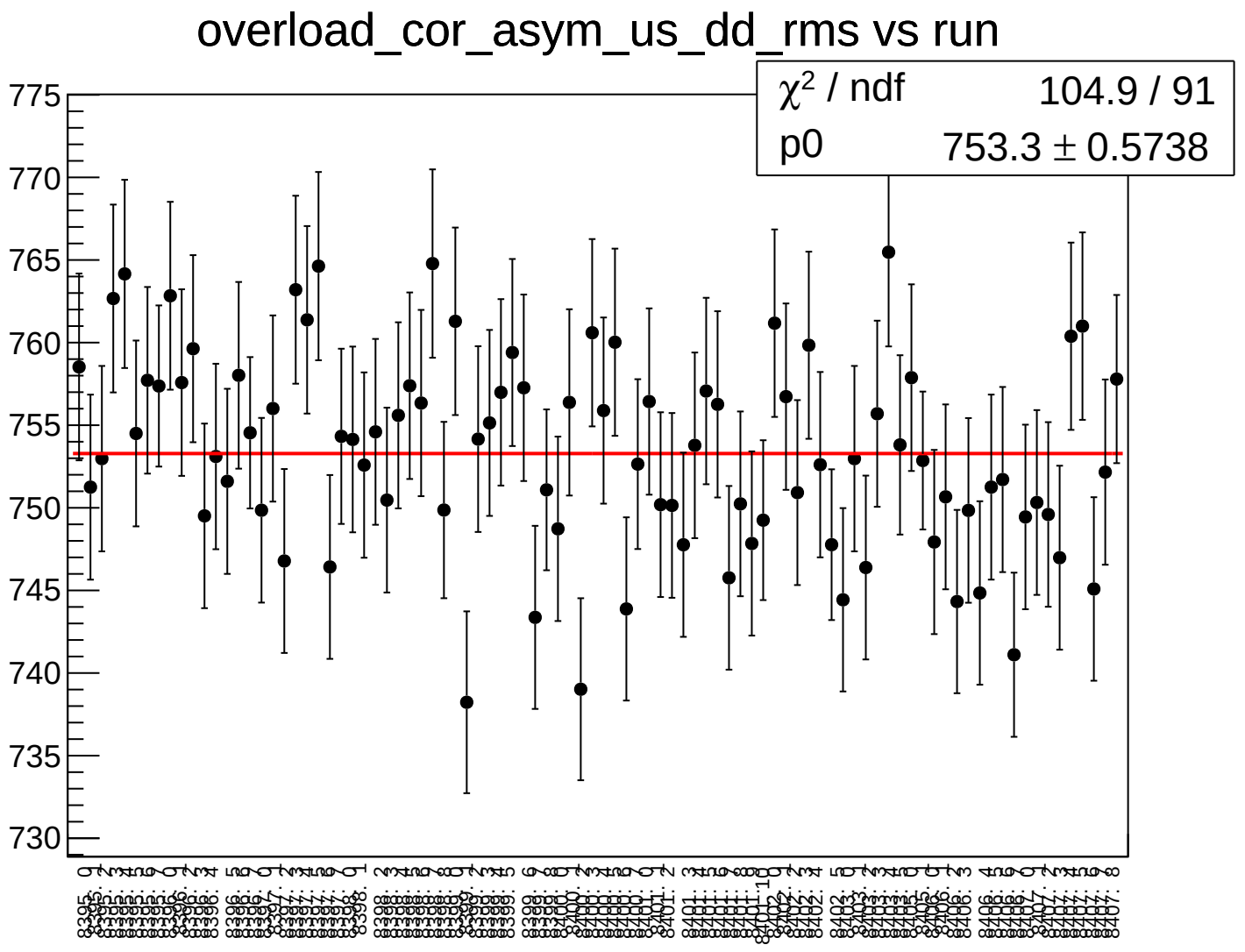

asym_us_dd_cor_correction_mean vs run
χ² / ndf 79.38 / 91
p0 −876.2 ± 1334
pull
Entries 92
Mean 225.4
Std Dev 0

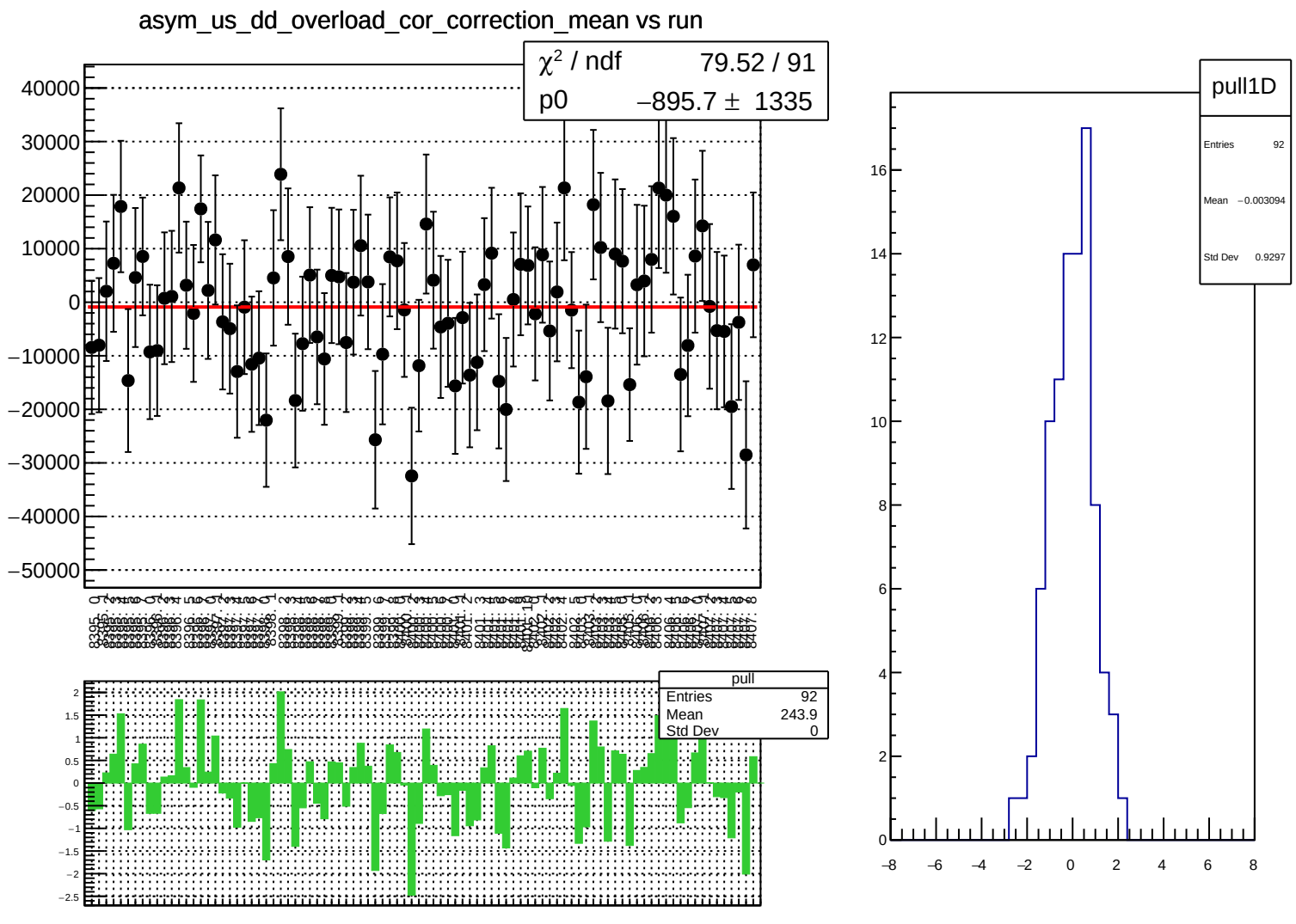

pull1D
Entries 92
Mean −0.003232
Std Dev 0.9289

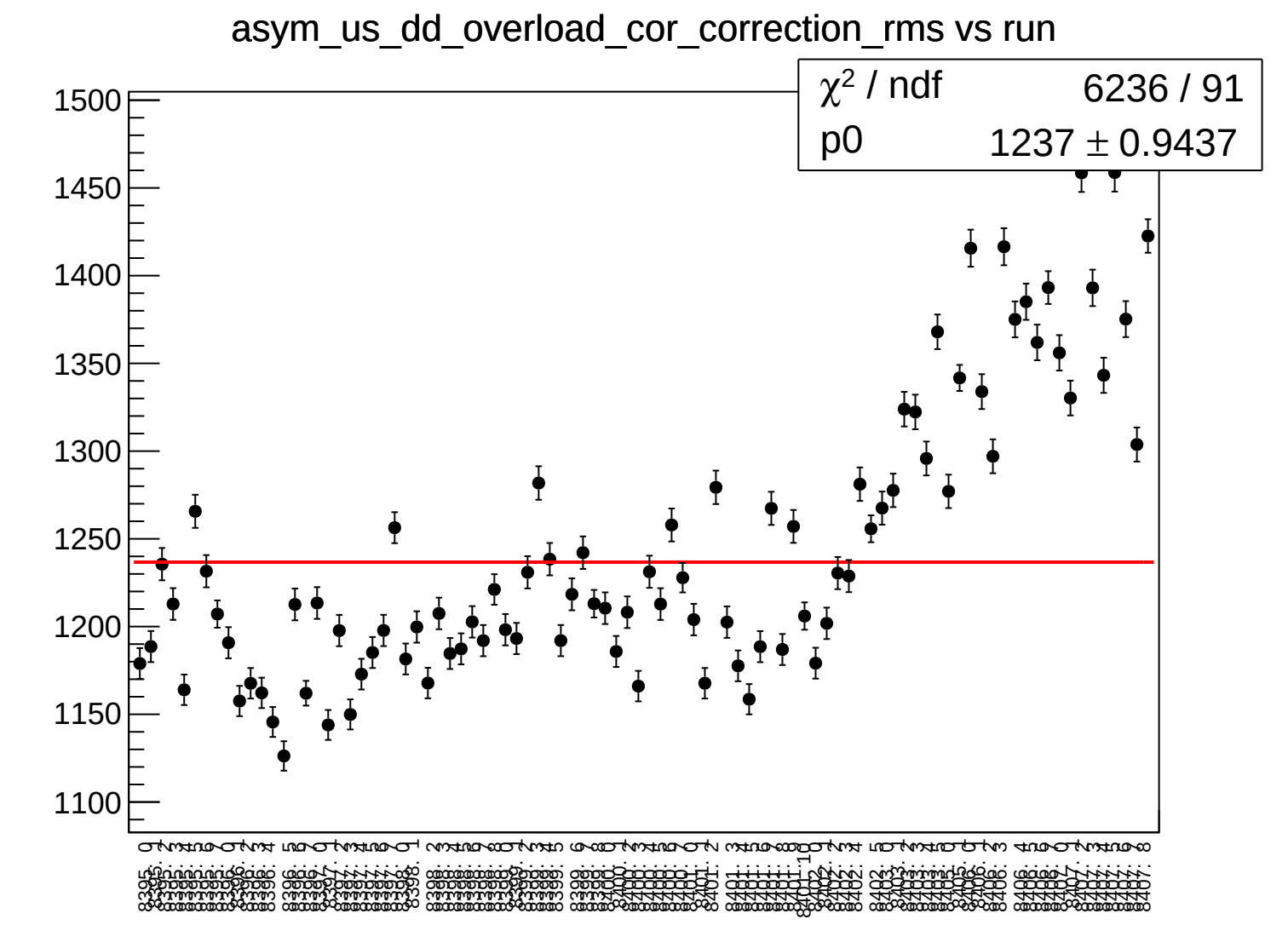

asym_us_dd_cor_correction_rms vs run
χ² / ndf 6247 / 91
p0 1236 ± 0.9434
1500
1450
1400
1350
1300
1250
1200
1150
1100

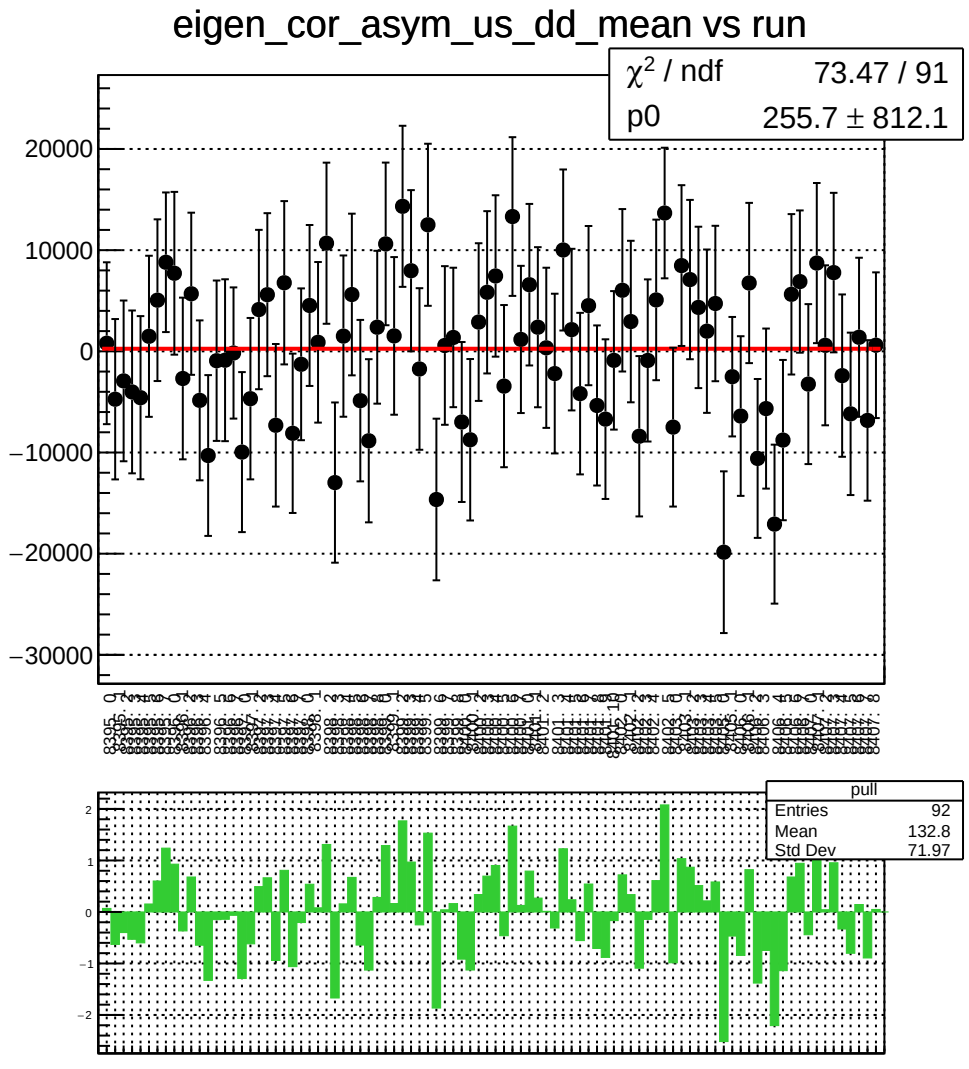

overload_cor_asym_us_dd_mean vs run
χ² / ndf 73.16 / 91
p0 240.2 ± 811.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 139.6
Std Dev 59.72
2
1
0
−1
−2

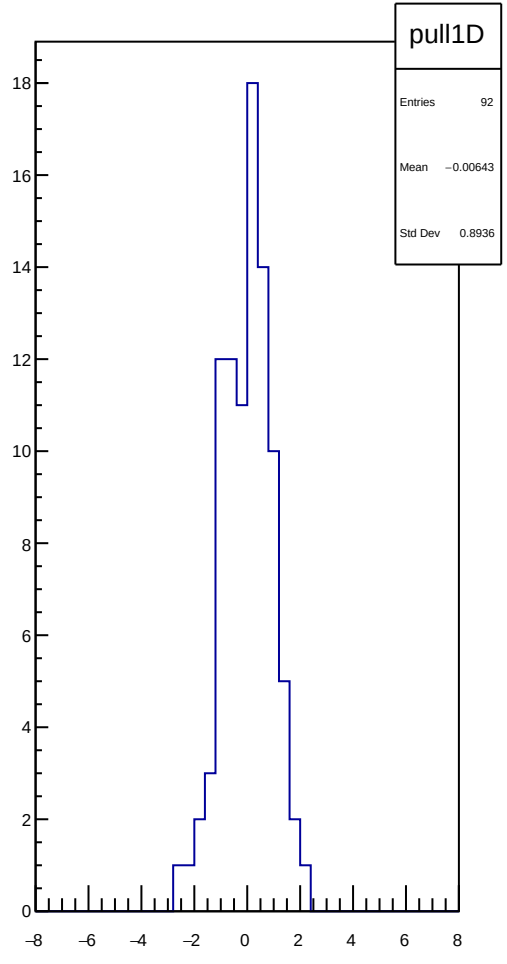

pull1D
Entries 92
Mean −0.006438
Std Dev 0.8917
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

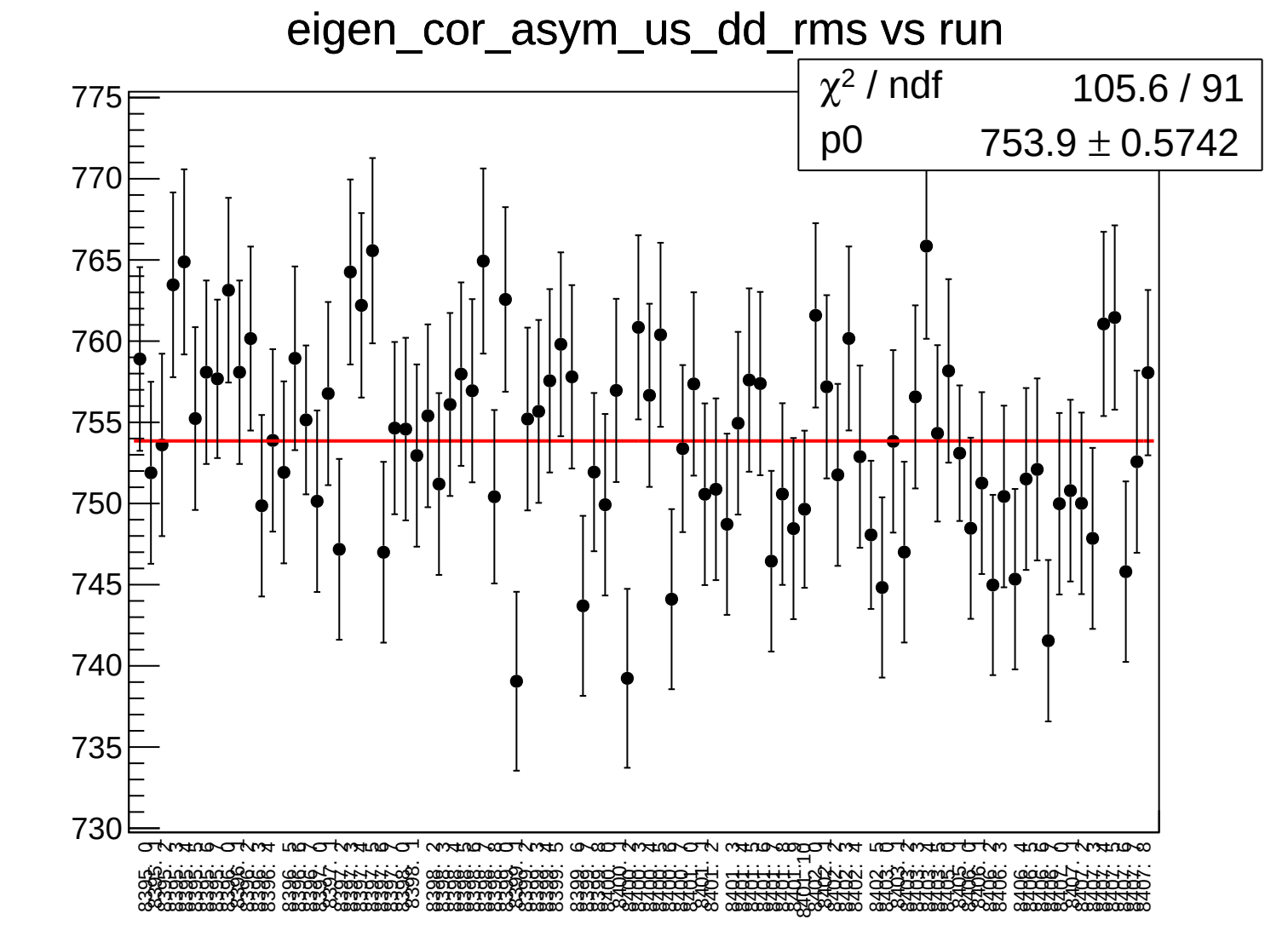

overload_cor_asym_us_dd_rms vs run
χ² / ndf 104.9 / 91
p0 753.3 ± 0.5738
775
770
765
760
755
750
745
740
735
730

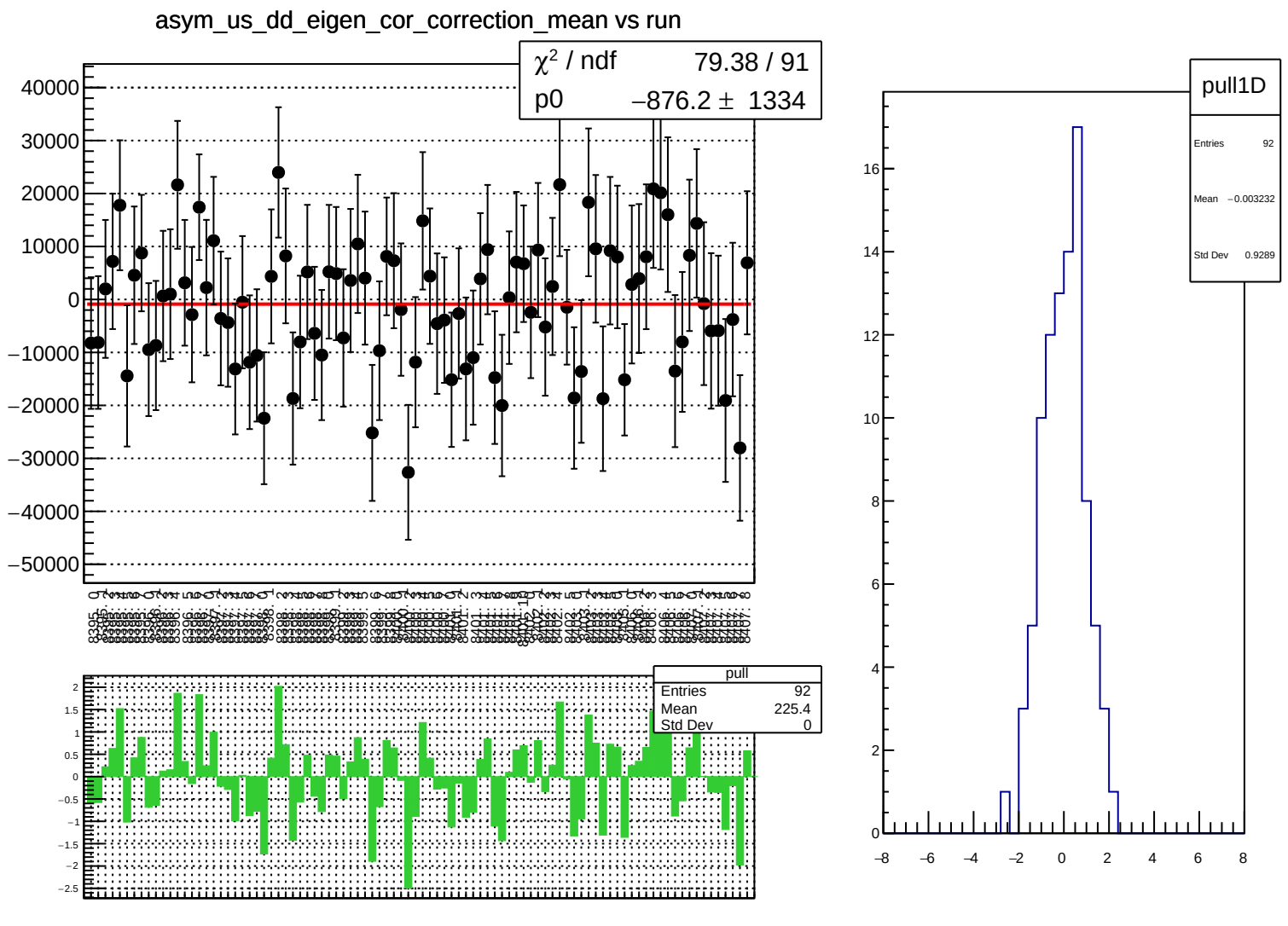

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 79.52 / 91
p0 −895.7 ± 1335
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 92
Mean 243.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.003094
Std Dev 0.9297
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

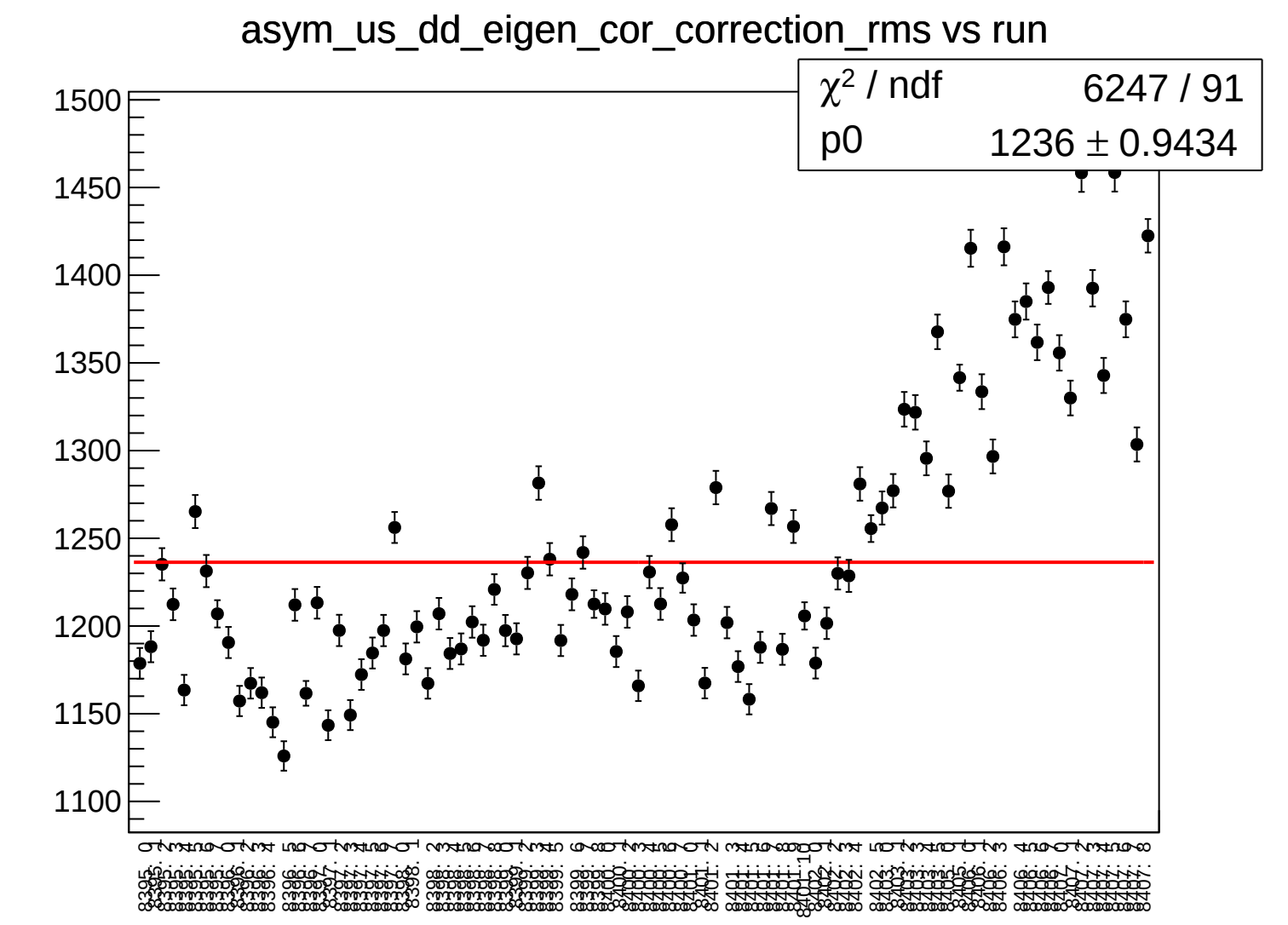

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 6236 / 91
p0 1237 ± 0.9437
1500
1450
1400
1350
1300
1250
1200
1150
1100

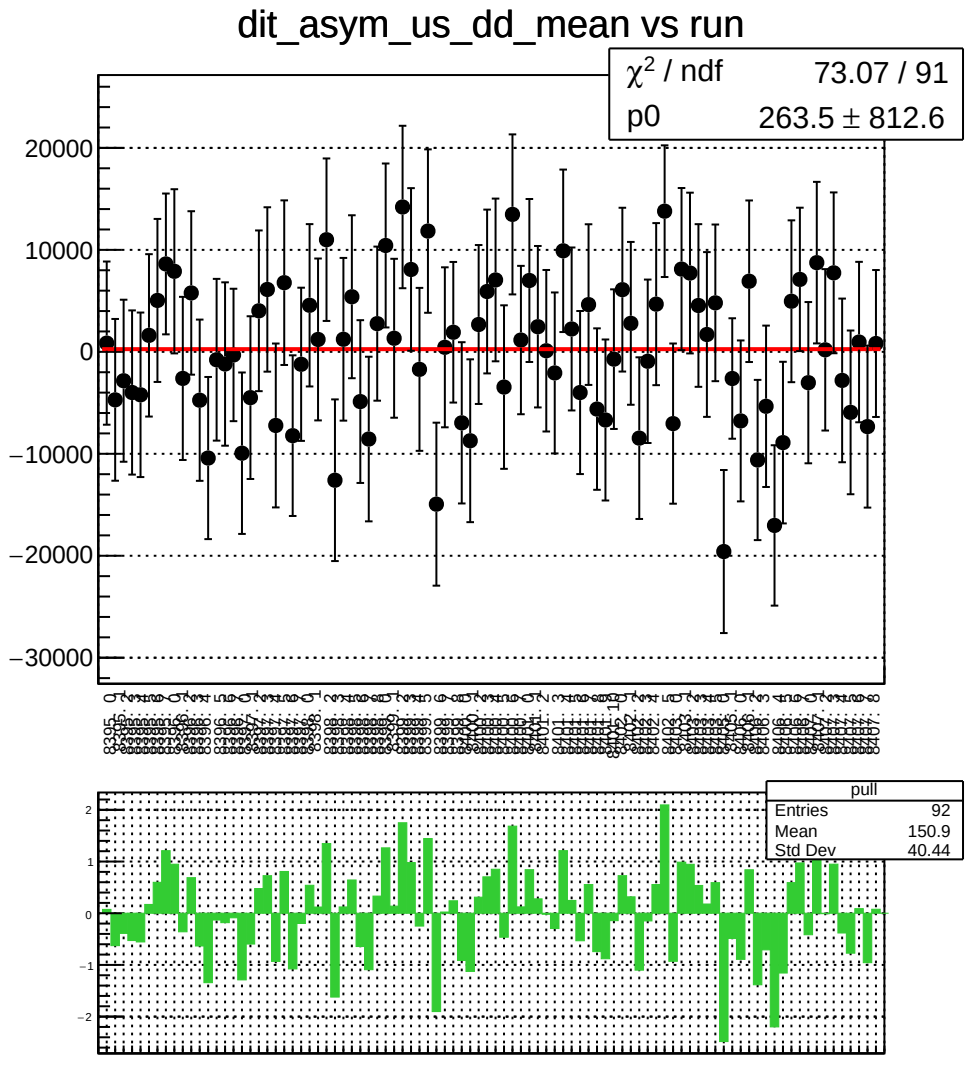

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 73.47 / 91
p0 255.7 ± 812.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 132.8
Std Dev 71.97
2
1
0
−1
−2

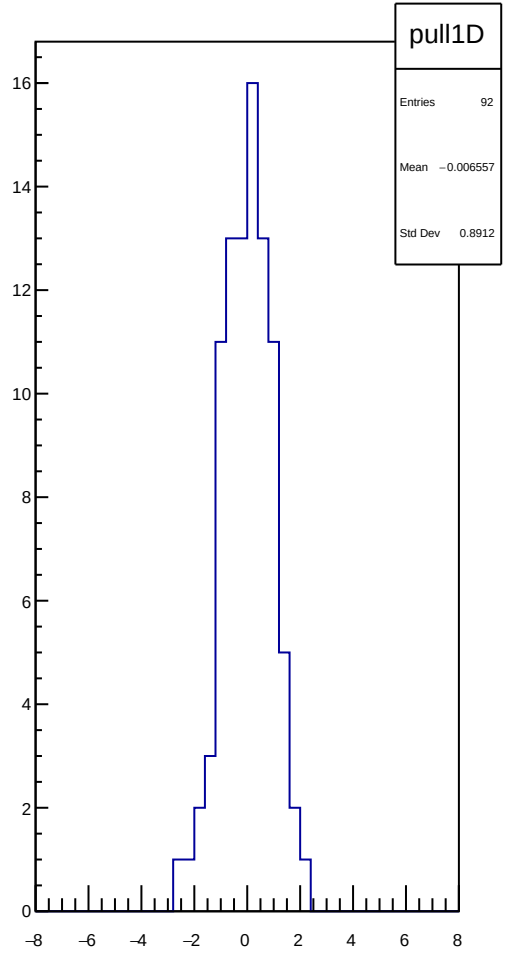

pull1D
Entries 92
Mean −0.00643
Std Dev 0.8936
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

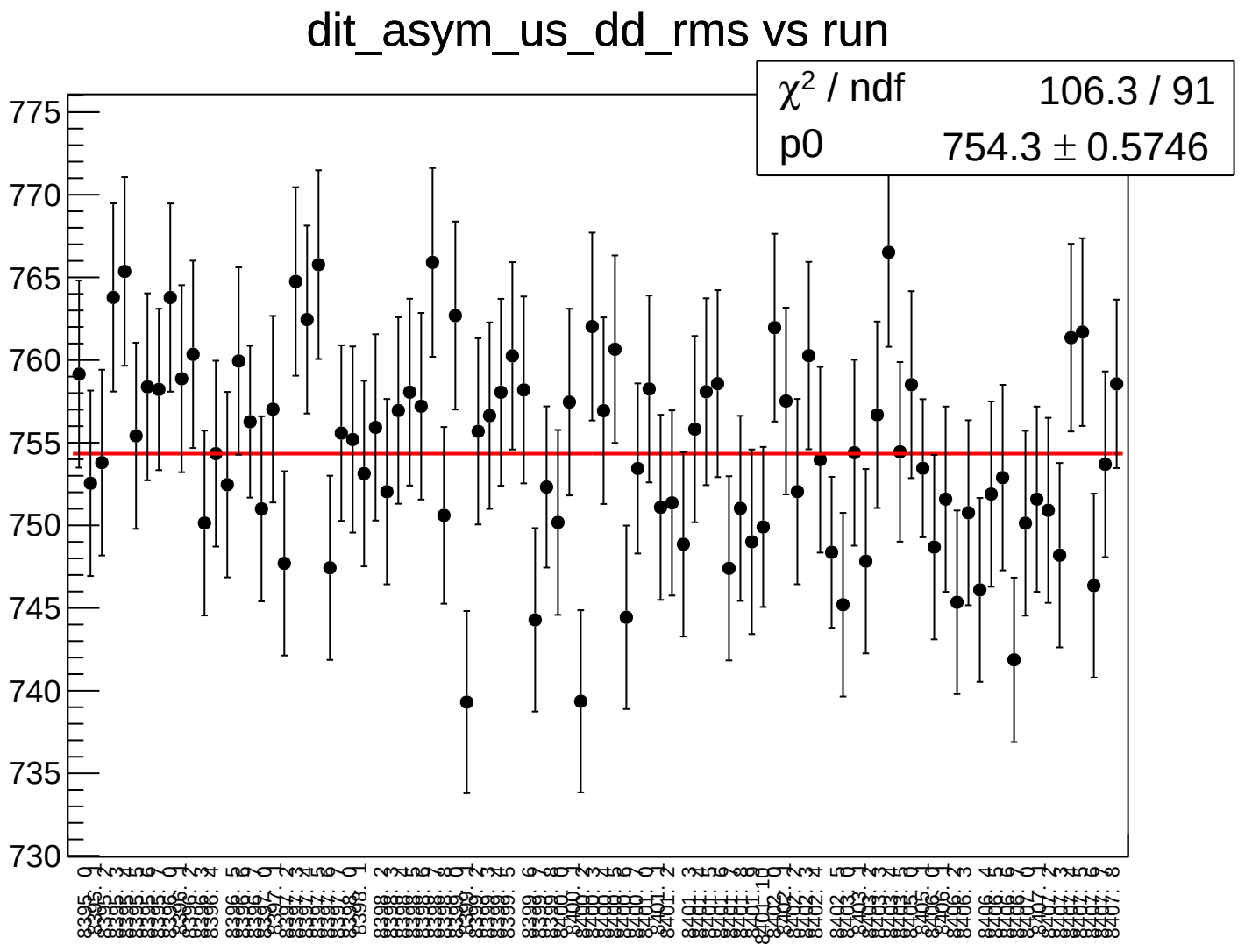

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 105.6 / 91
p0 753.9 ± 0.5742
775
770
765
760
755
750
745
740
735
730

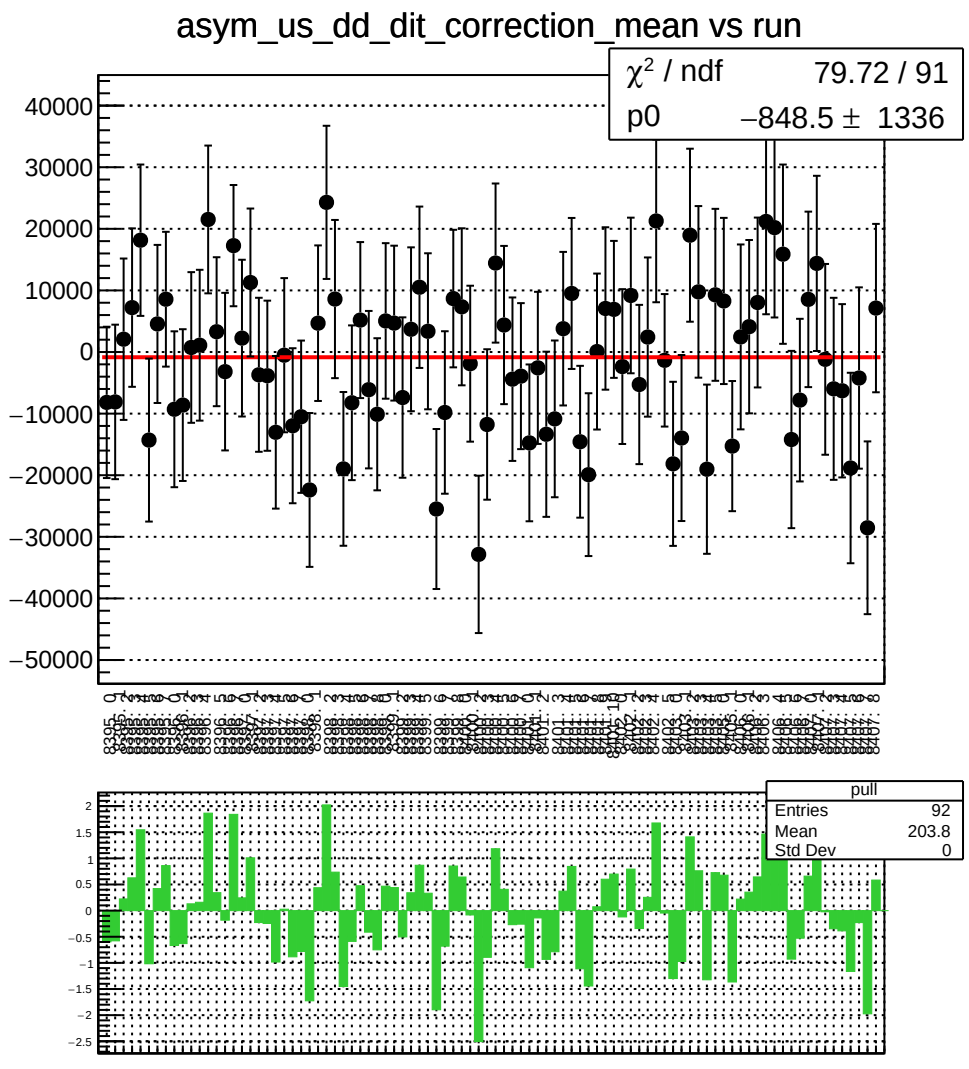

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.38 / 91
p0 −876.2 ± 1334
pull
Entries 92
Mean 225.4
Std Dev 0
pull1D
Entries 92
Mean −0.003232
Std Dev 0.9289

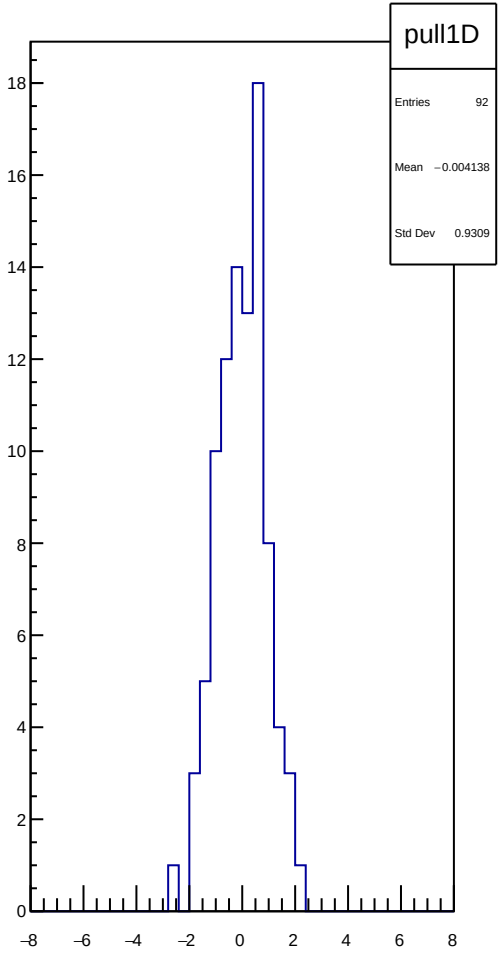

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 6247 / 91
p0 1236 ± 0.9434
1500
1450
1400
1350
1300
1250
1200
1150
1100

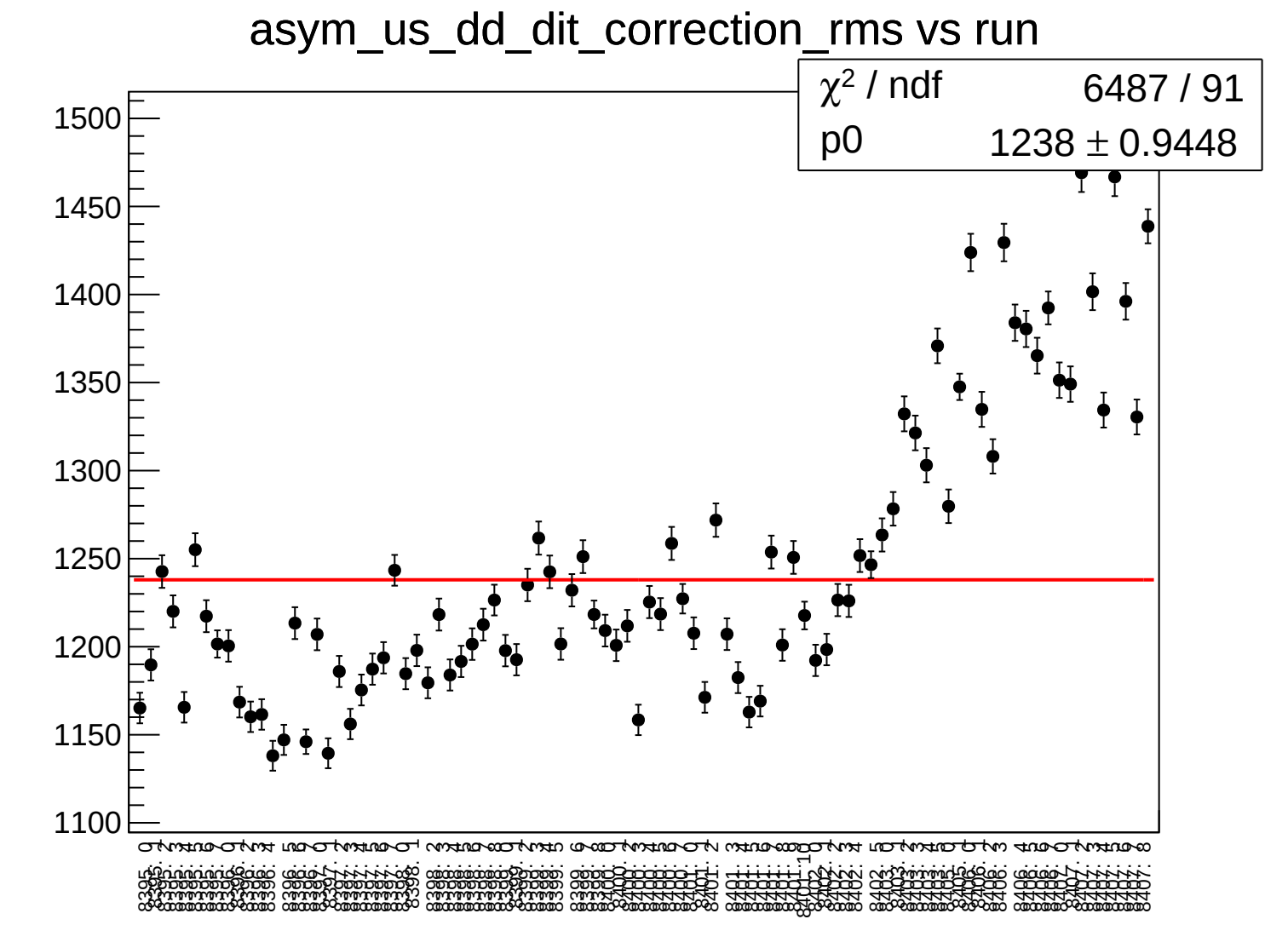

dit_asym_us_dd_mean vs run
χ² / ndf 73.07 / 91
p0 263.5 ± 812.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 150.9
Std Dev 40.44
2
1
0
−1
−2

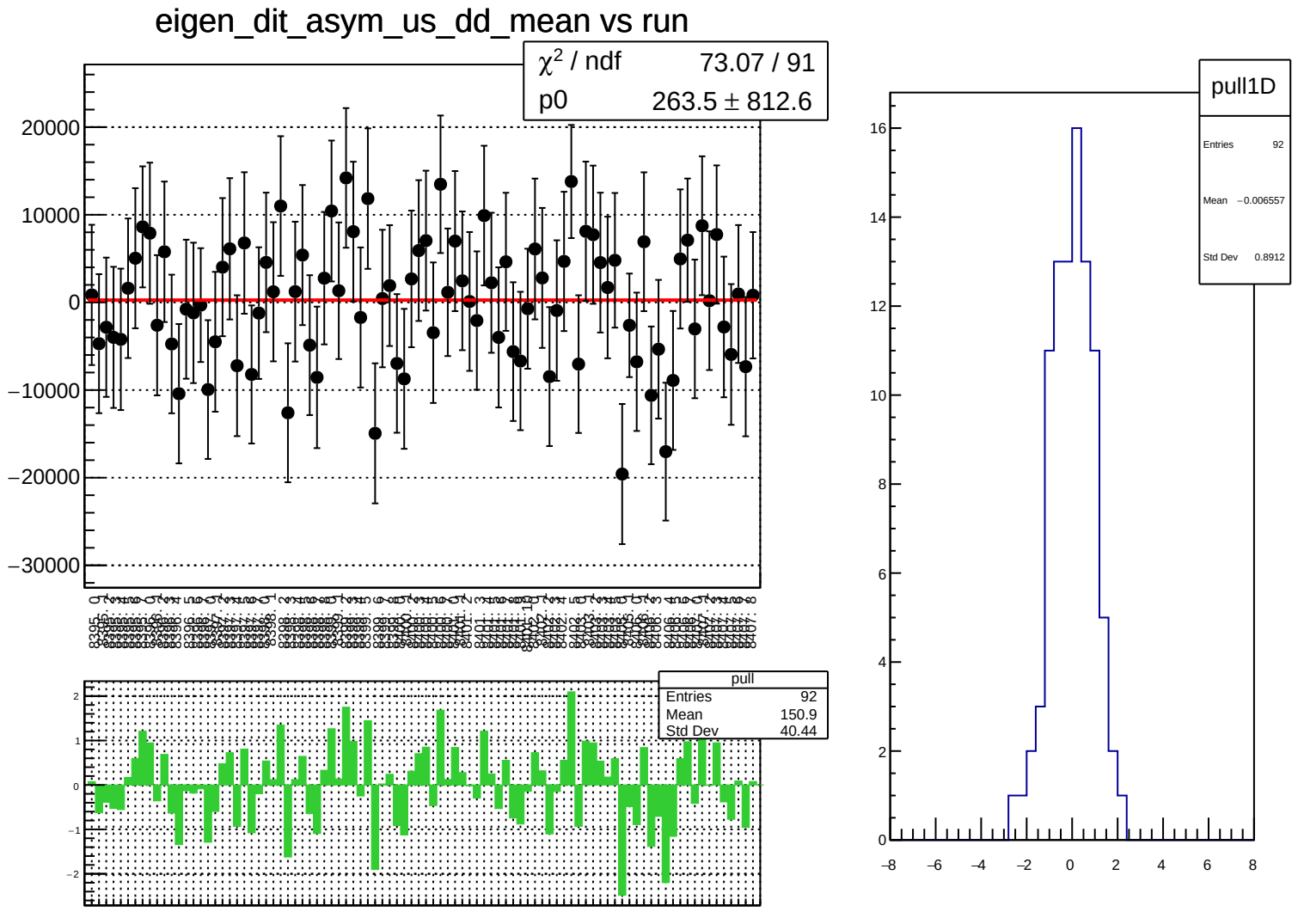

pull1D
Entries 92
Mean −0.006557
Std Dev 0.8912
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

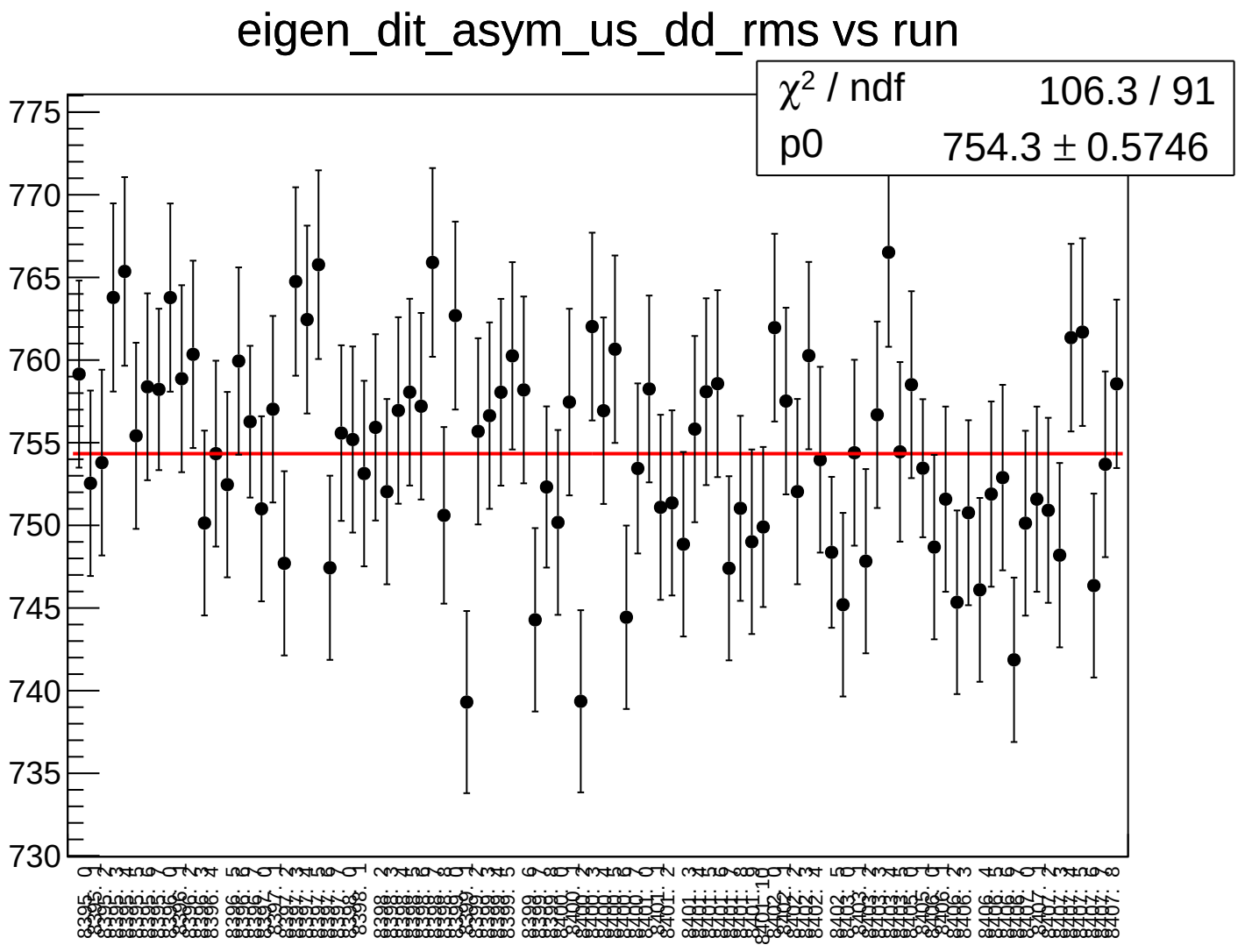

dit_asym_us_dd_rms vs run
$\chi^2$ / ndf 106.3 / 91
p0 754.3 ± 0.5746
775
770
765
760
755
750
745
740
735
730

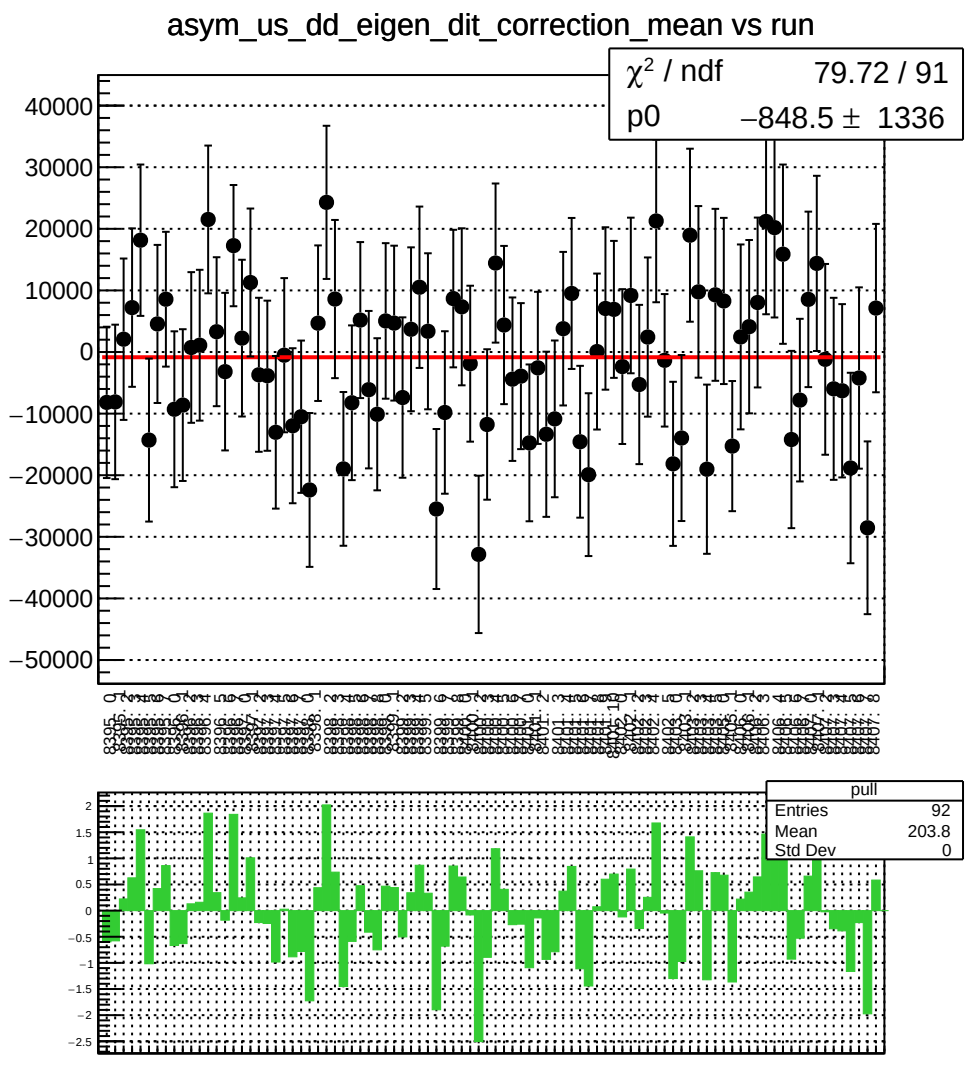

asym_us_dd_dit_correction_mean vs run
χ² / ndf 79.72 / 91
p0 −848.5 ± 1336
pull
Entries 92
Mean 203.8
Std Dev 0

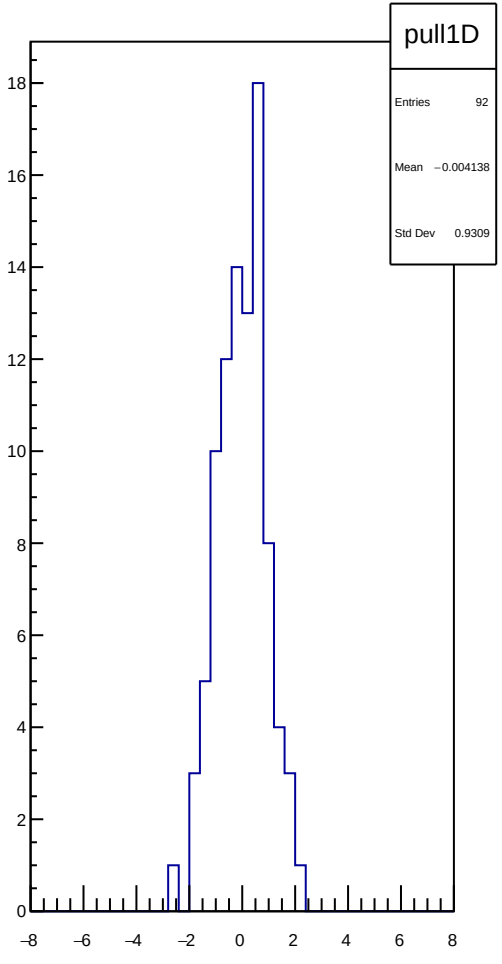

pull1D
Entries 92
Mean −0.004138
Std Dev 0.9309

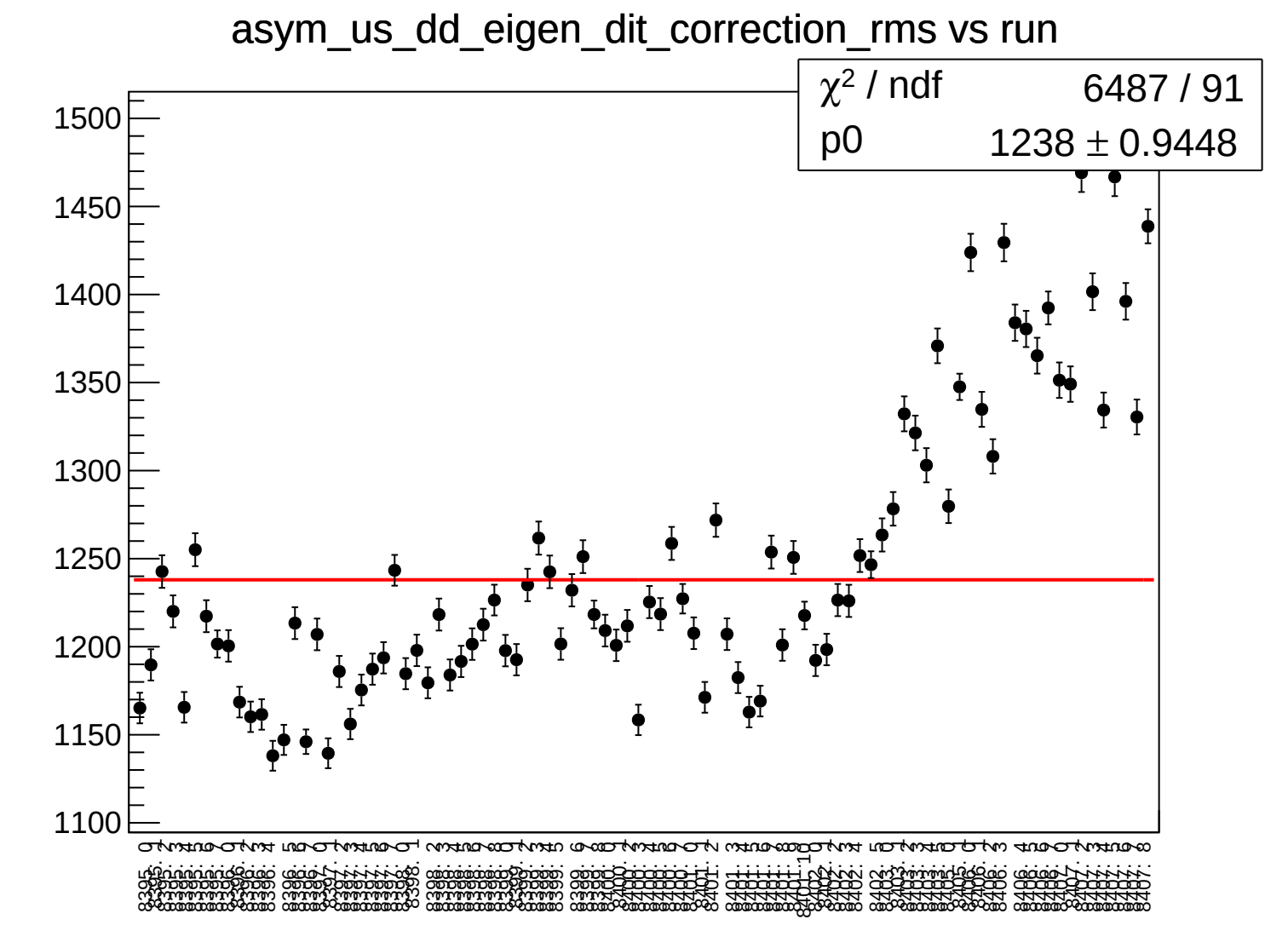

asym_us_dd_dit_correction_rms vs run
χ² / ndf 6487 / 91
p0 1238 ± 0.9448
1500
1450
1400
1350
1300
1250
1200
1150
1100

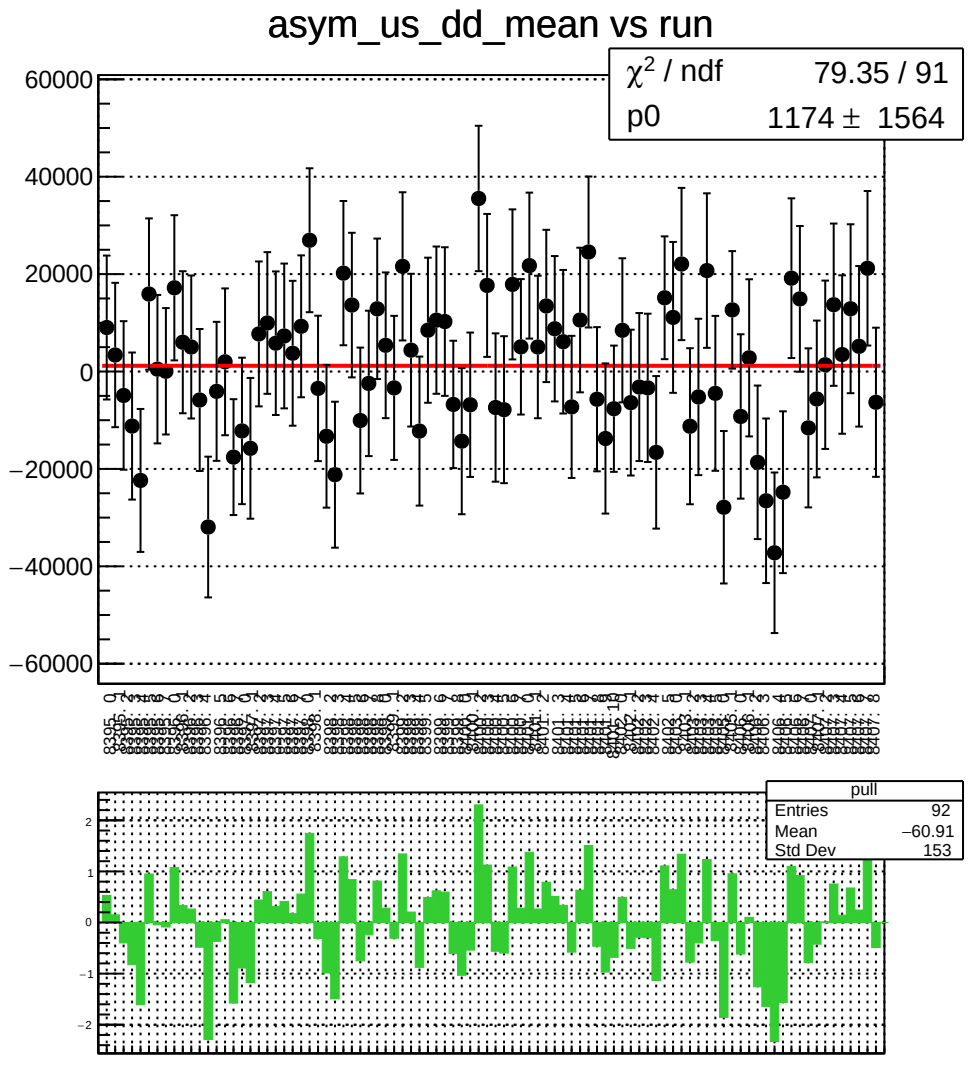

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 73.07 / 91
p0 263.5 ± 812.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 150.9
Std Dev 40.44
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006557
Std Dev 0.8912
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

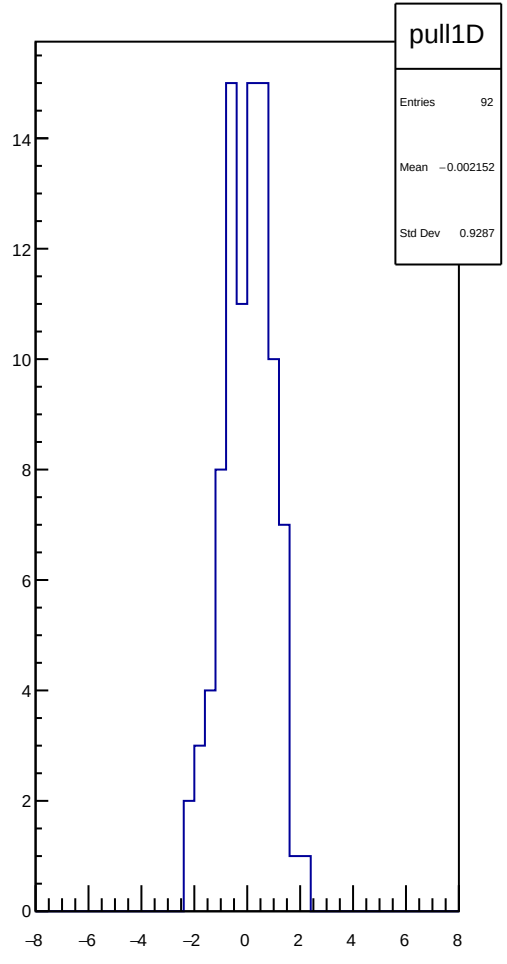

eigen_dit_asym_us_dd_rms vs run
$\chi^2$ / ndf 106.3 / 91
p0 754.3 ± 0.5746
775
770
765
760
755
750
745
740
735
730

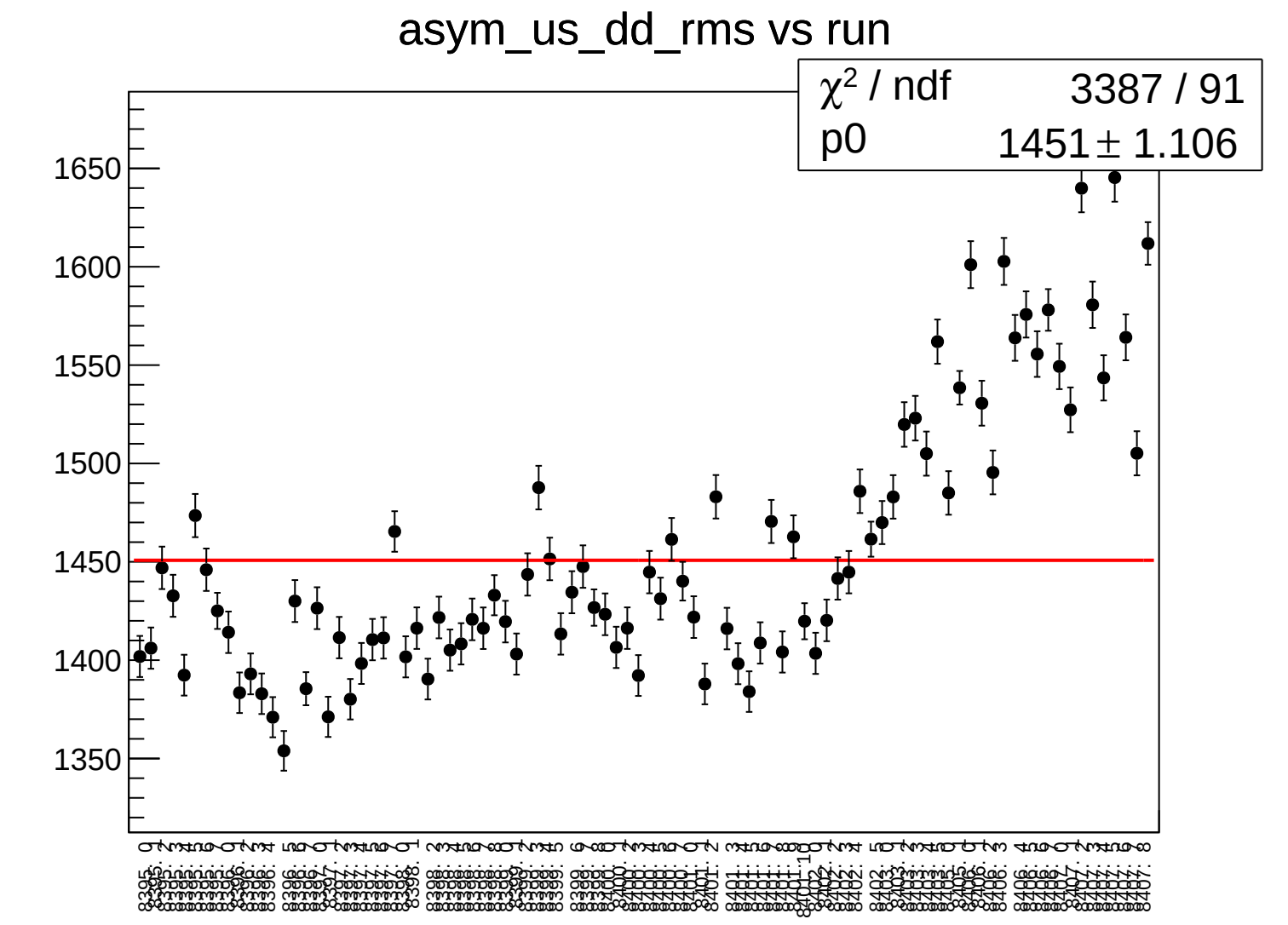

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.72 / 91
p0 −848.5 ± 1336
pull
Entries 92
Mean 203.8
Std Dev 0

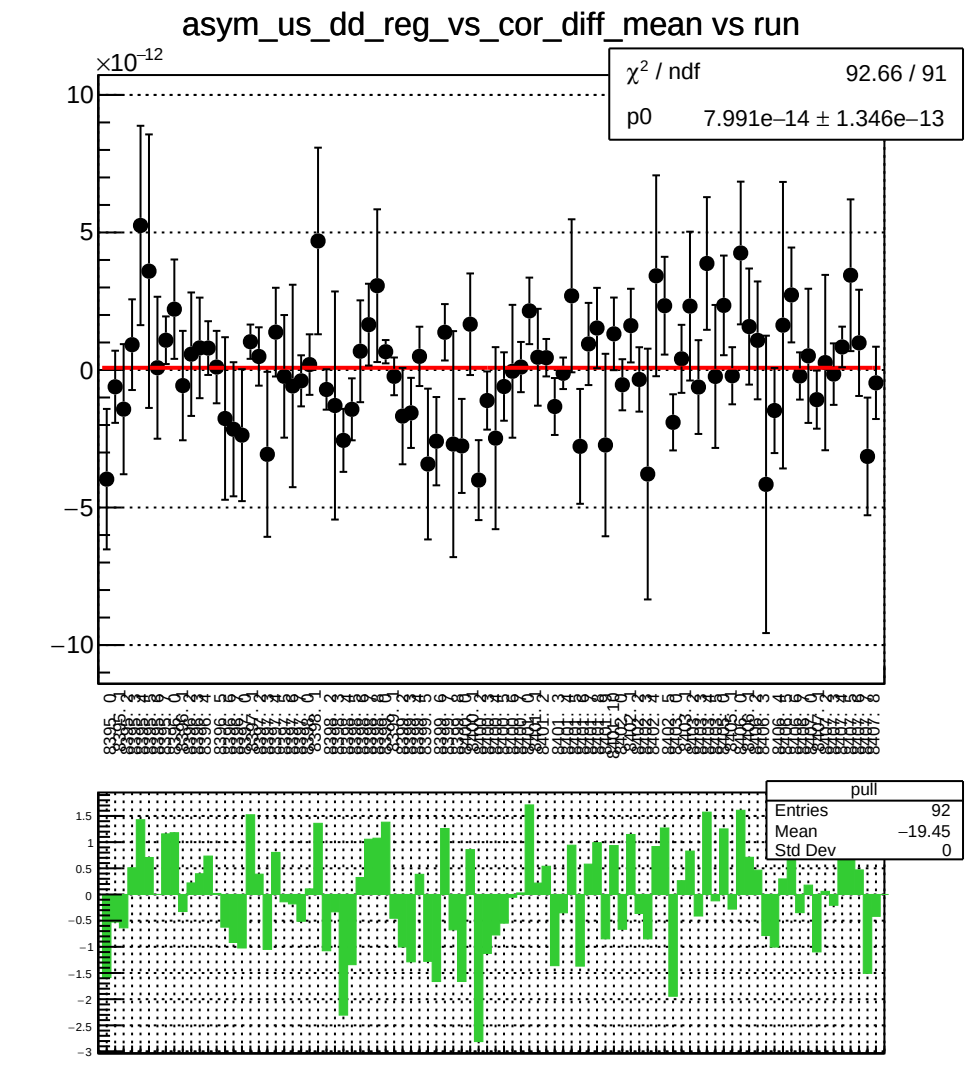

pull1D
Entries 92
Mean −0.004138
Std Dev 0.9309

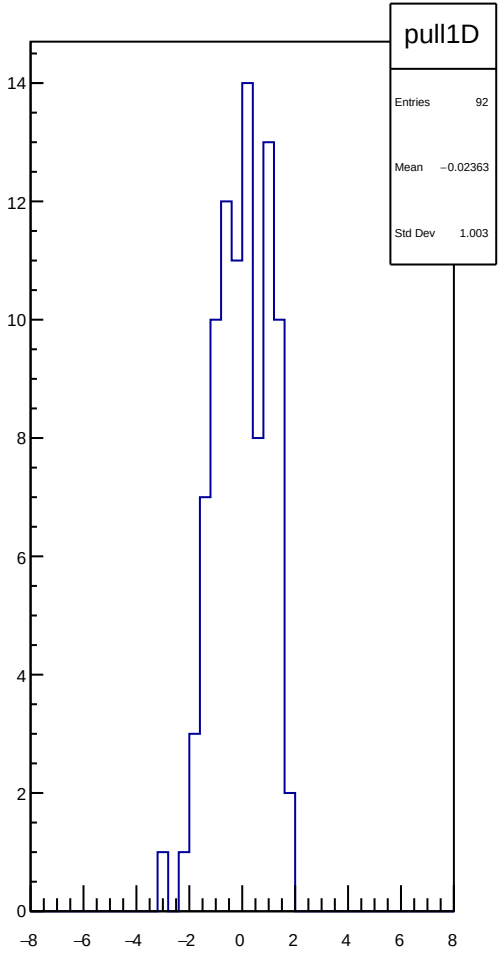

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 6487 / 91
p0 1238 ± 0.9448
1500
1450
1400
1350
1300
1250
1200
1150
1100

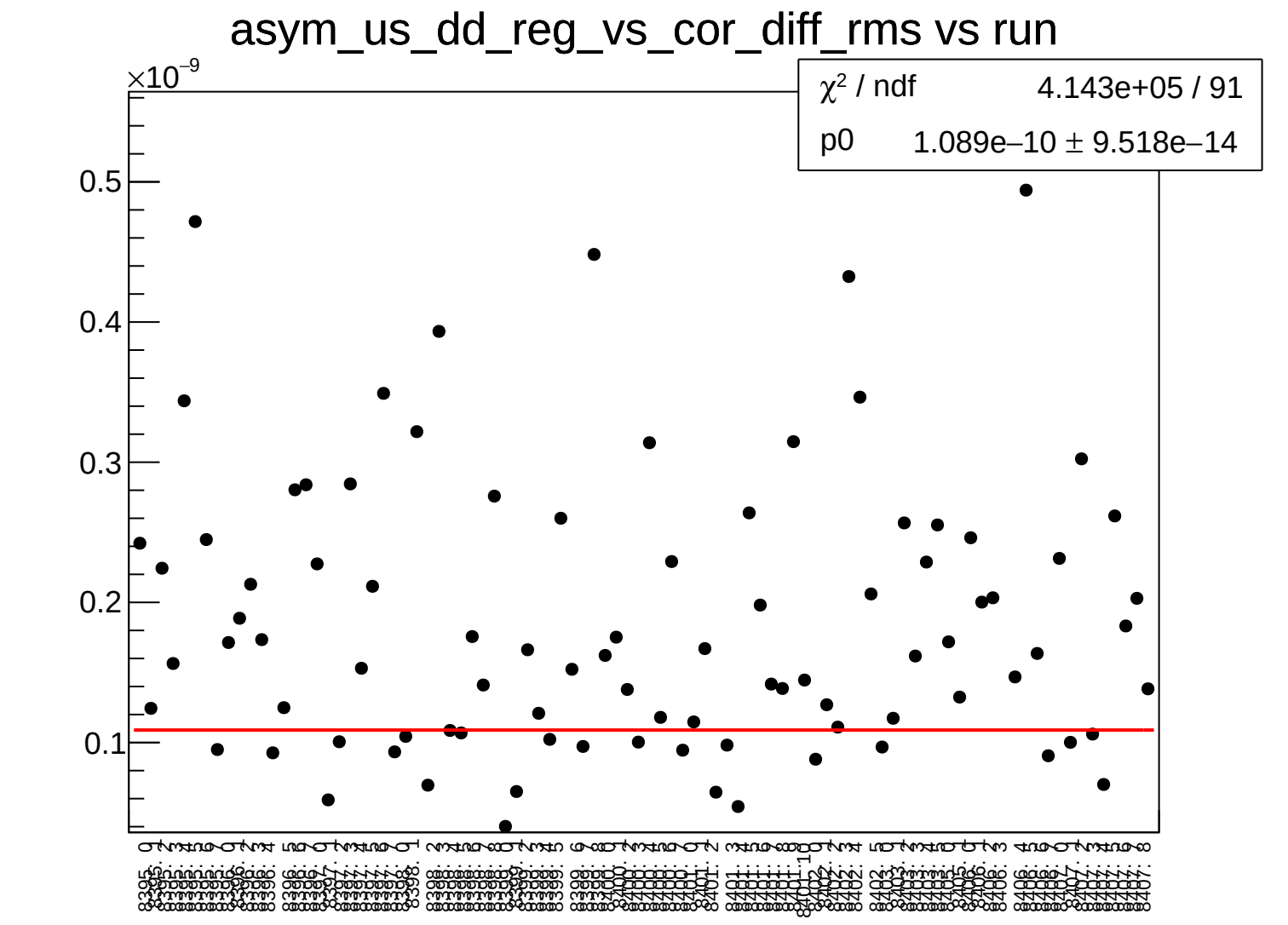

asym_us_dd_mean vs run
χ² / ndf 79.35 / 91
p0 1174 ± 1564
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −60.91
Std Dev 153
2
1
0
−1
−2

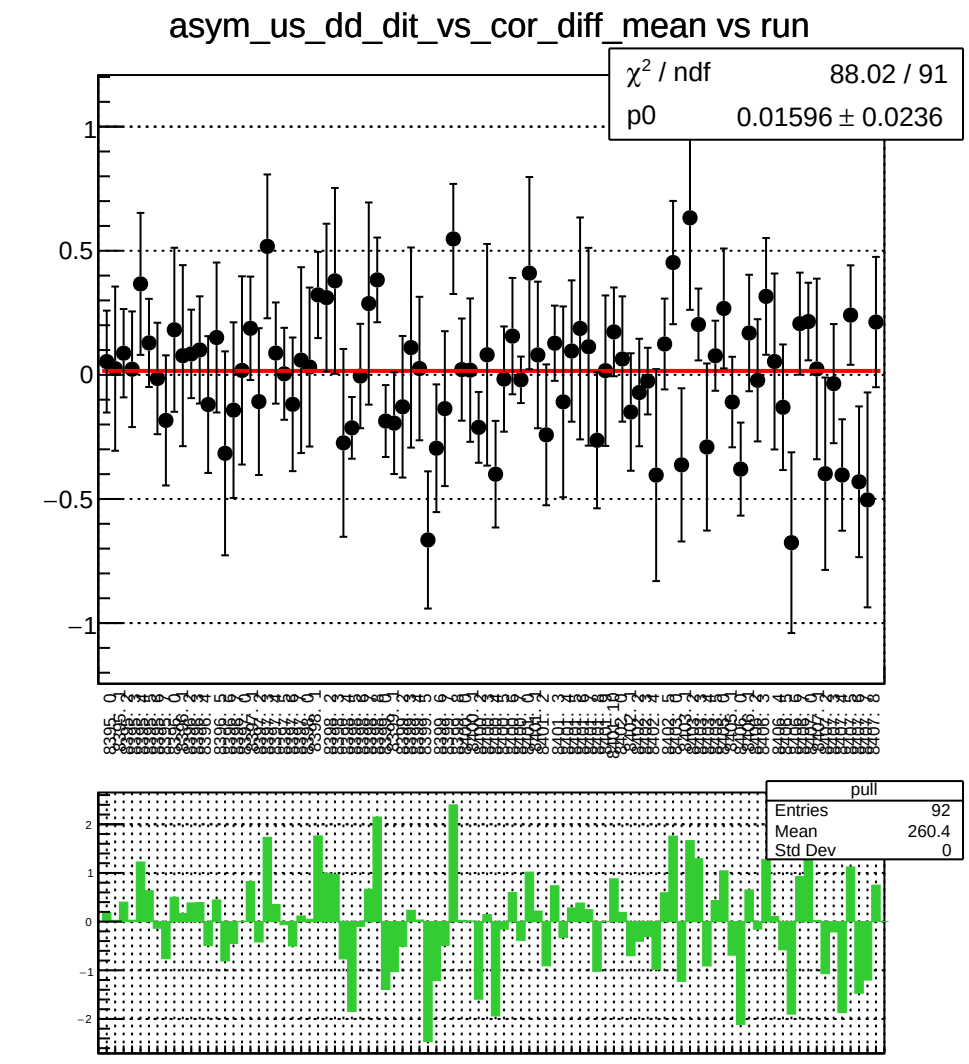

pull1D
Entries 92
Mean −0.002152
Std Dev 0.9287
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

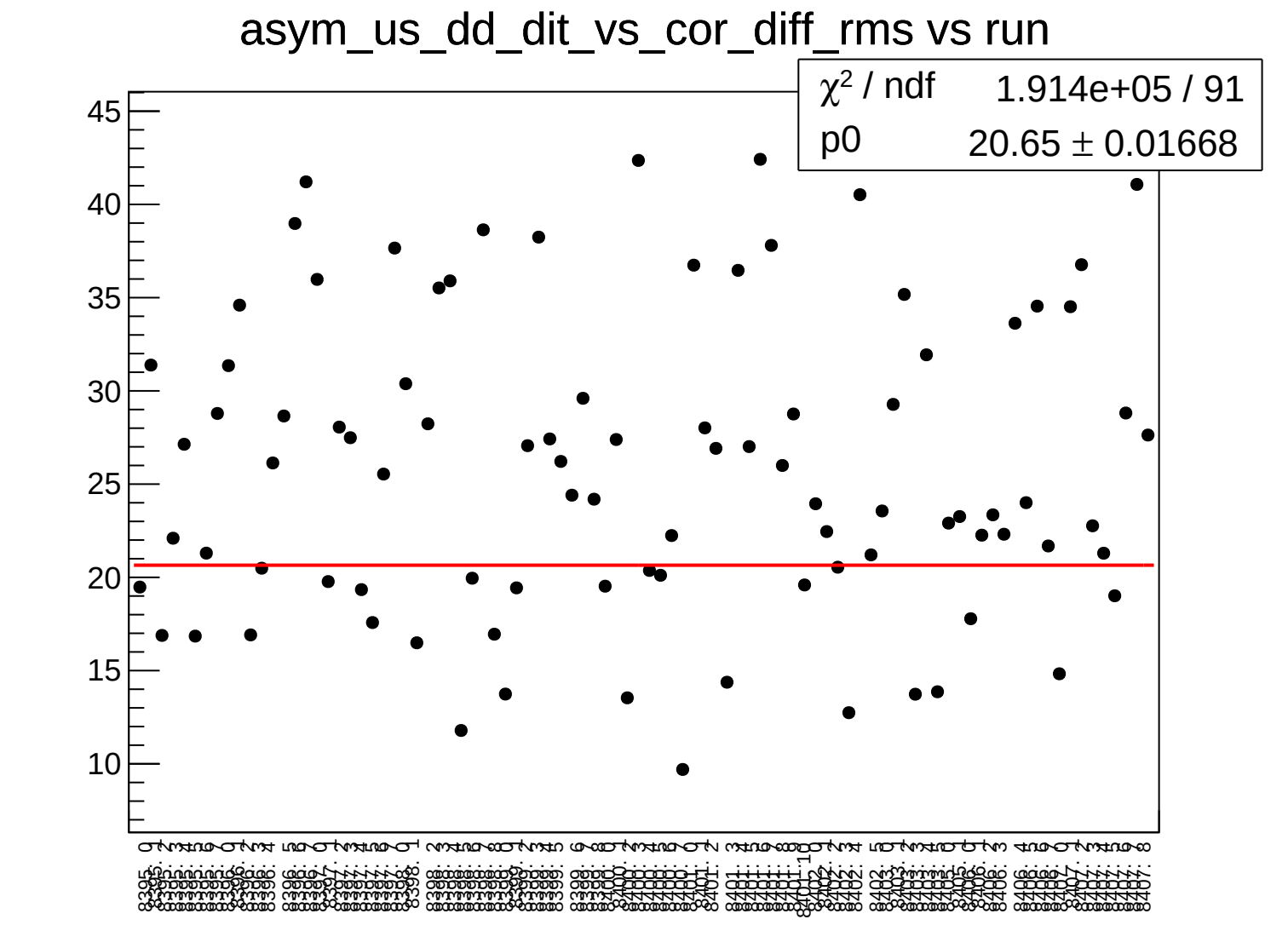

asym_us_dd_rms vs run
χ² / ndf 3387 / 91
p0 1451 ± 1.106
1650
1600
1550
1500
1450
1400
1350

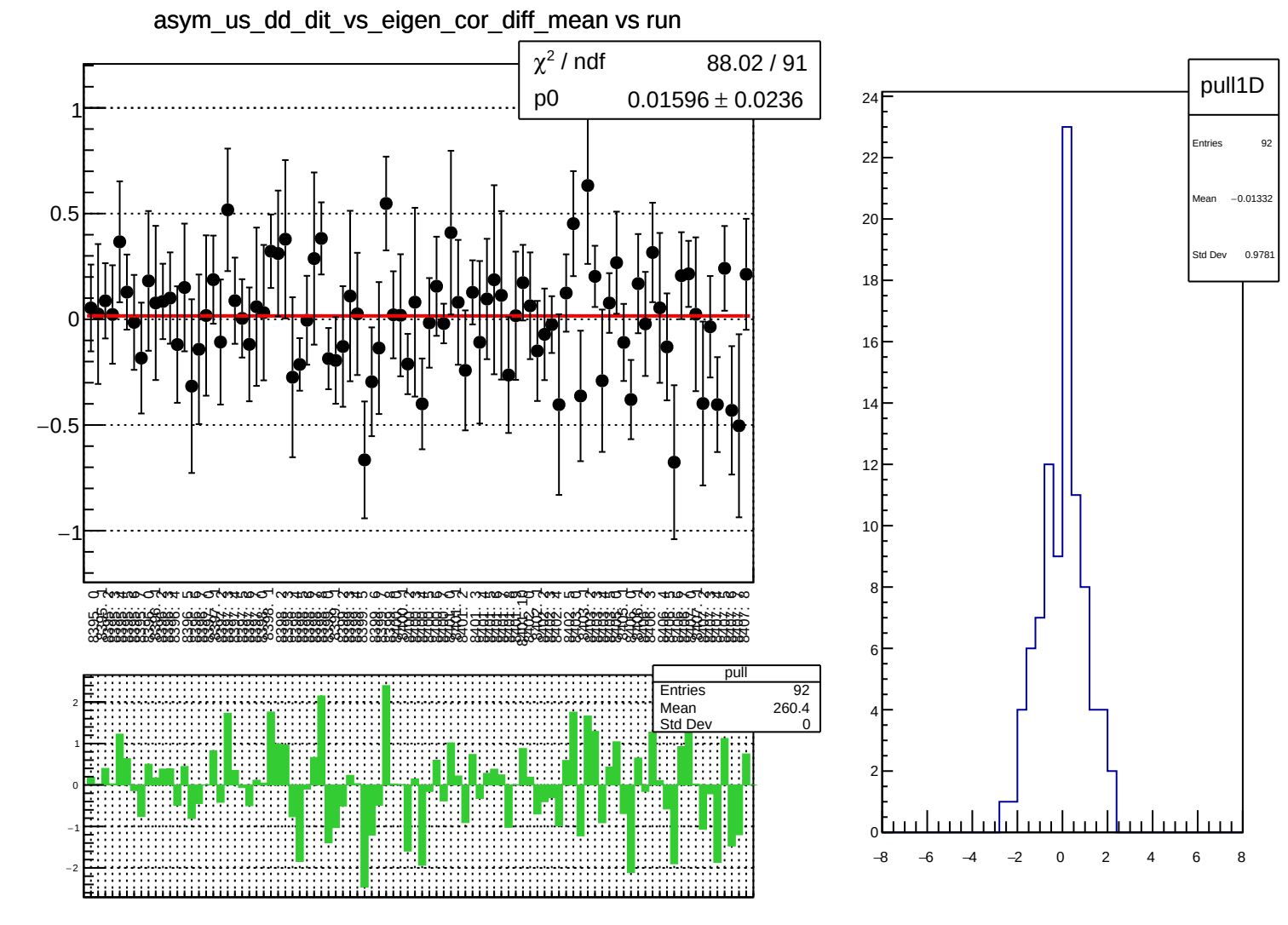

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 92.66 / 91
p0 7.991e−14 ± 1.346e−13
pull
Entries 92
Mean −19.45
Std Dev 0

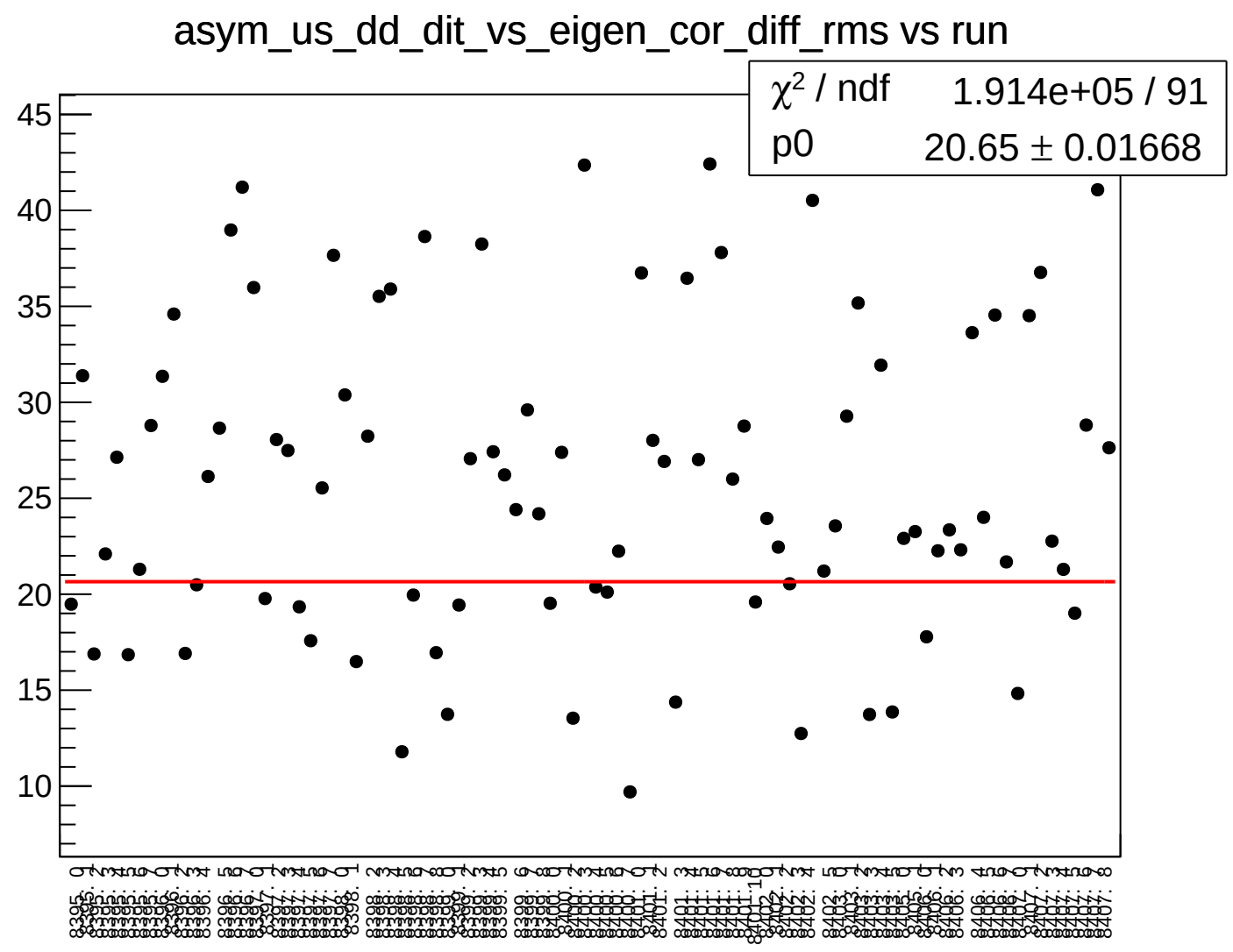

pull1D
Entries 92
Mean −0.02363
Std Dev 1.003

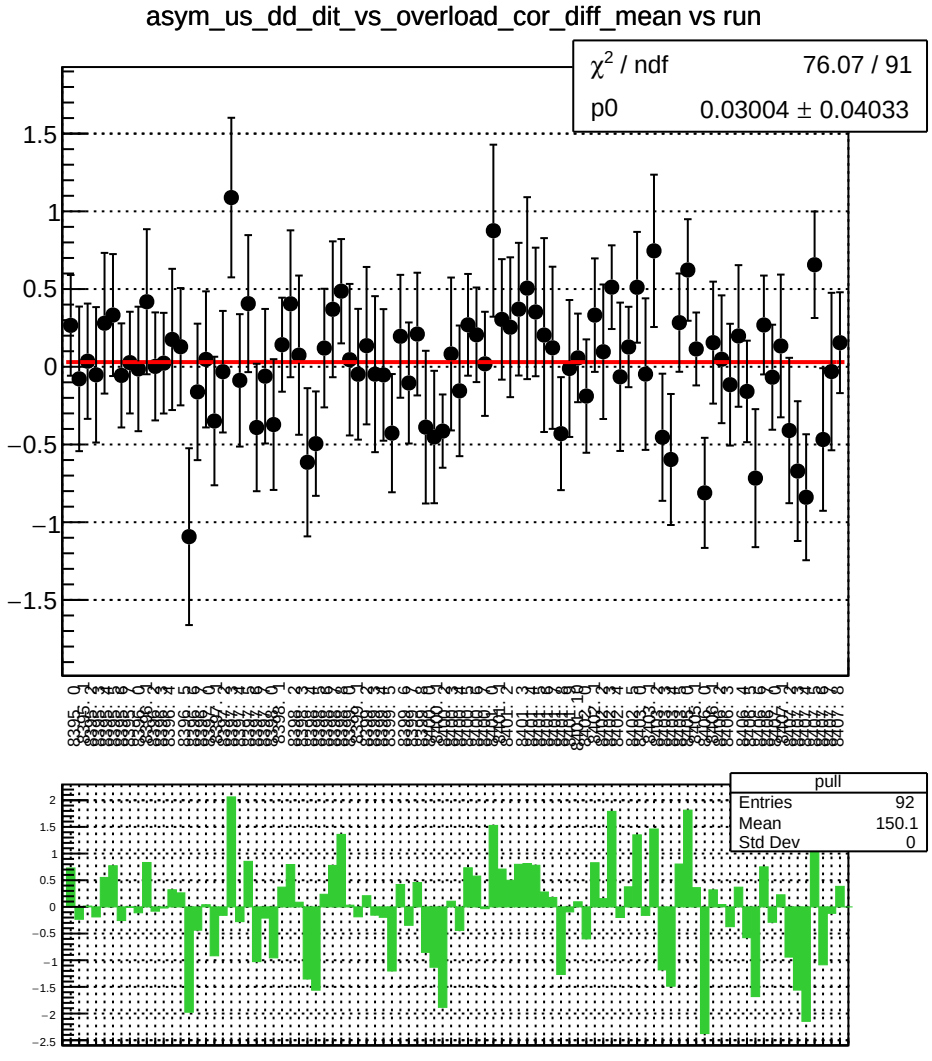

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.143e+05 / 91
p0 1.089e−10 ± 9.518e−14
0.5
0.4
0.3
0.2
0.1

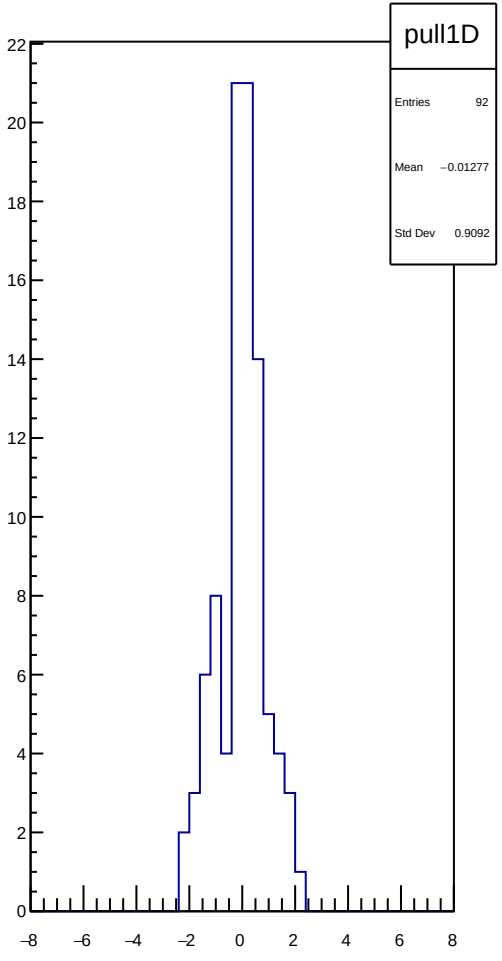

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 88.02 / 91
p0 0.01596 ± 0.0236
pull
Entries 92
Mean 260.4
Std Dev 0
pull1D
Entries 92
Mean −0.01332
Std Dev 0.9781

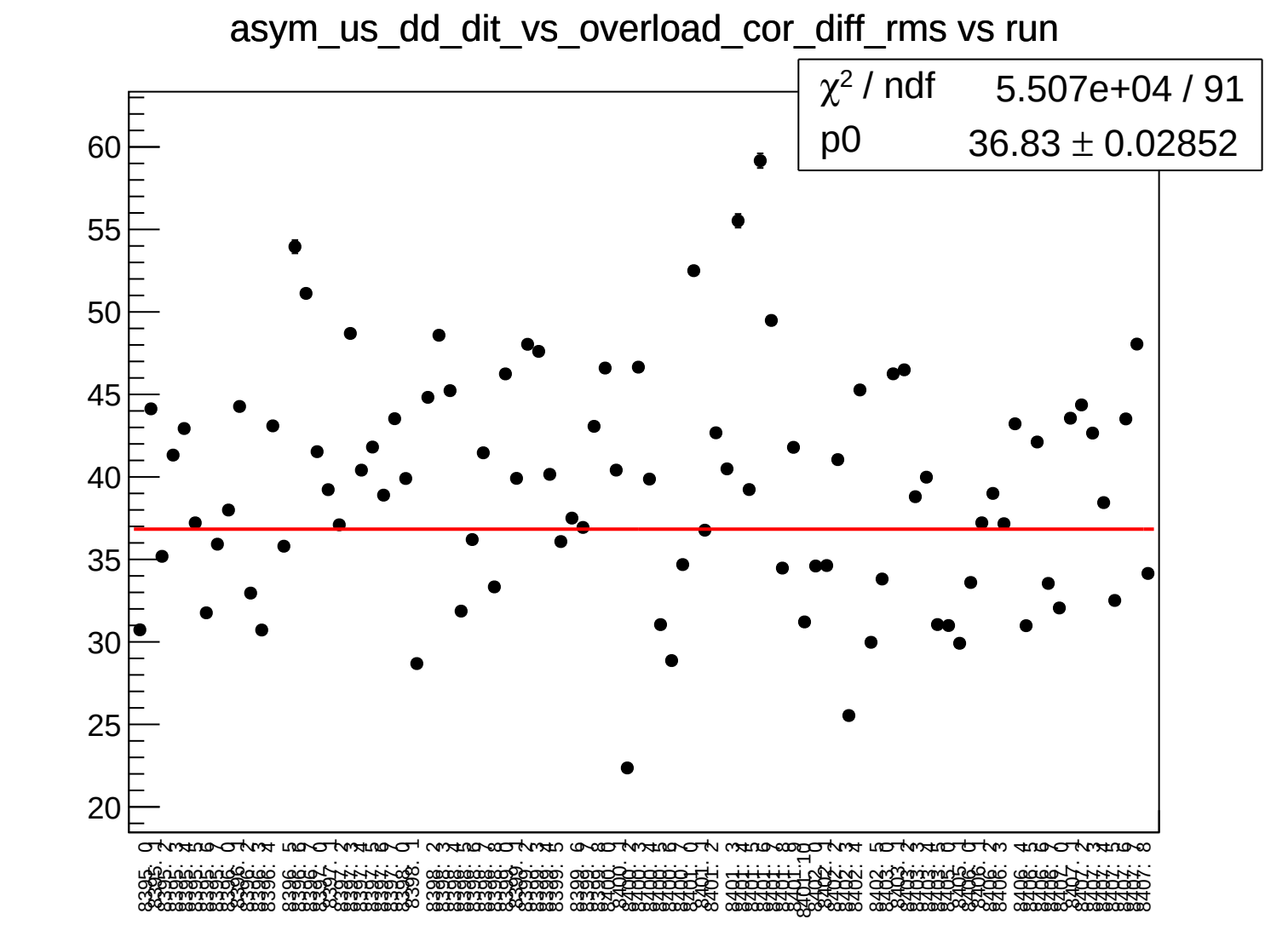

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.914e+05 / 91
p0 20.65 ± 0.01668
45
40
35
30
25
20
15
10

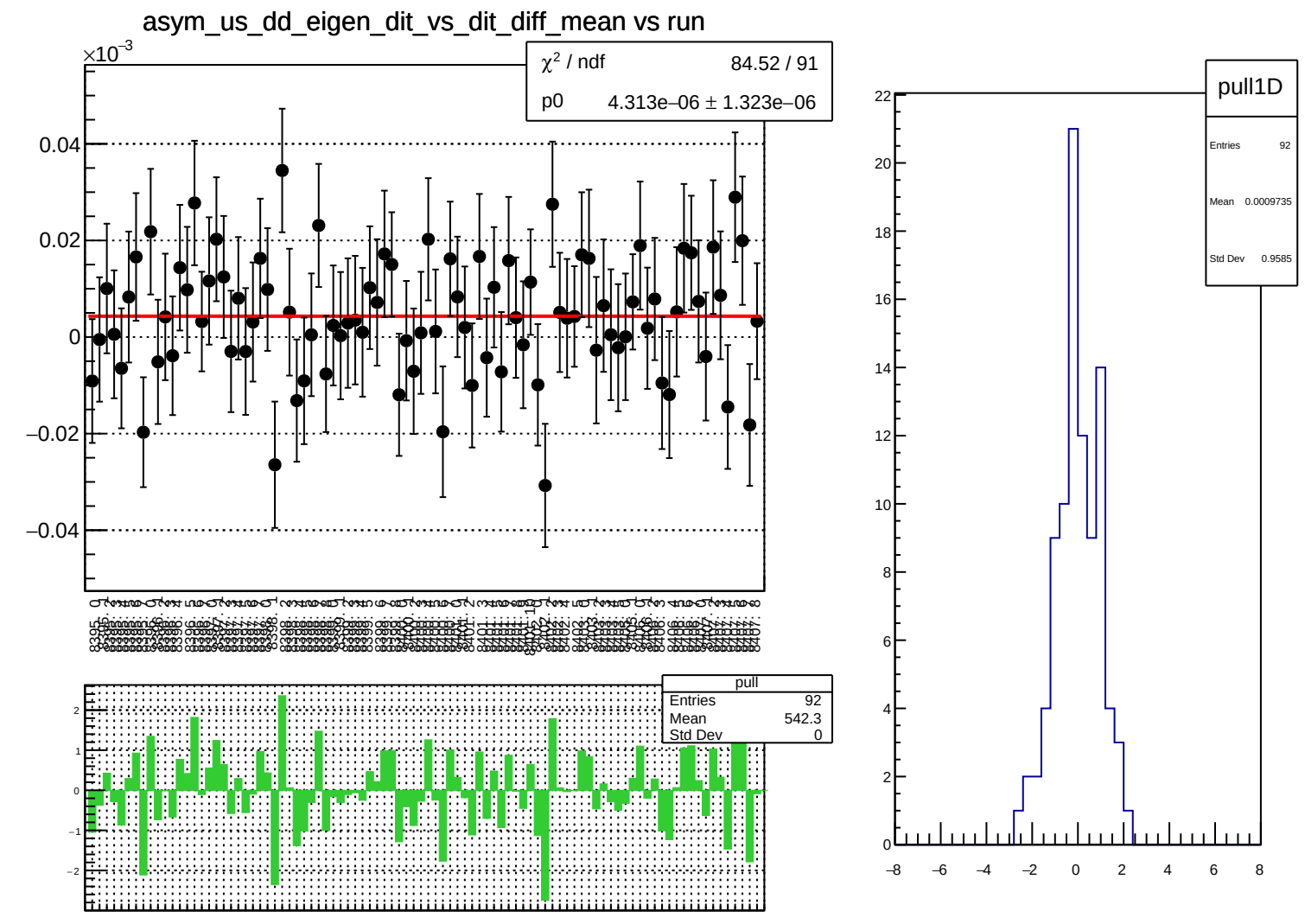

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.02 / 91
p0 0.01596 ± 0.0236
pull
Entries 92
Mean 260.4
Std Dev 0
pull1D
Entries 92
Mean −0.01332
Std Dev 0.9781

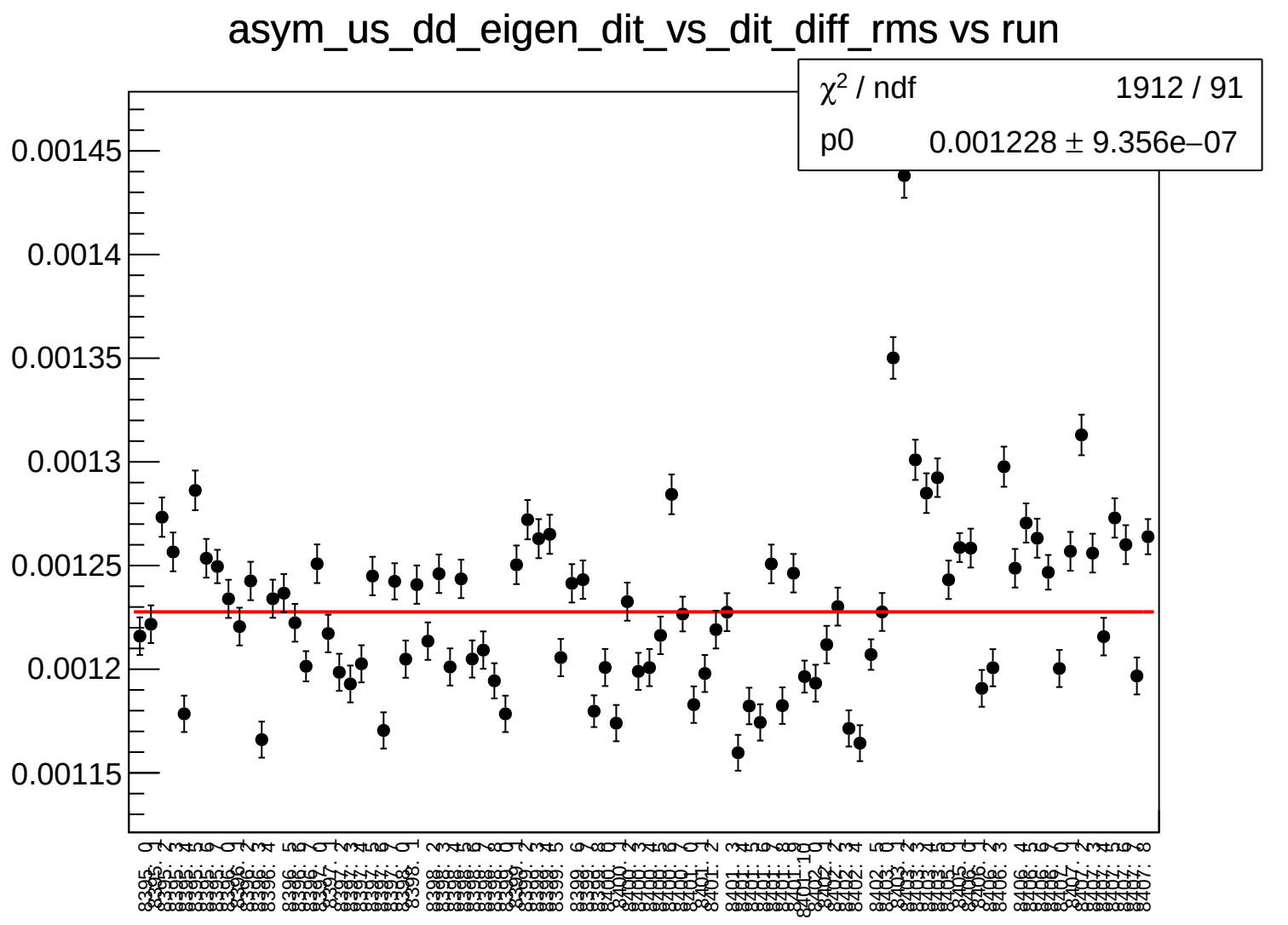

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.914e+05 / 91
p0 20.65 ± 0.01668
45
40
35
30
25
20
15
10

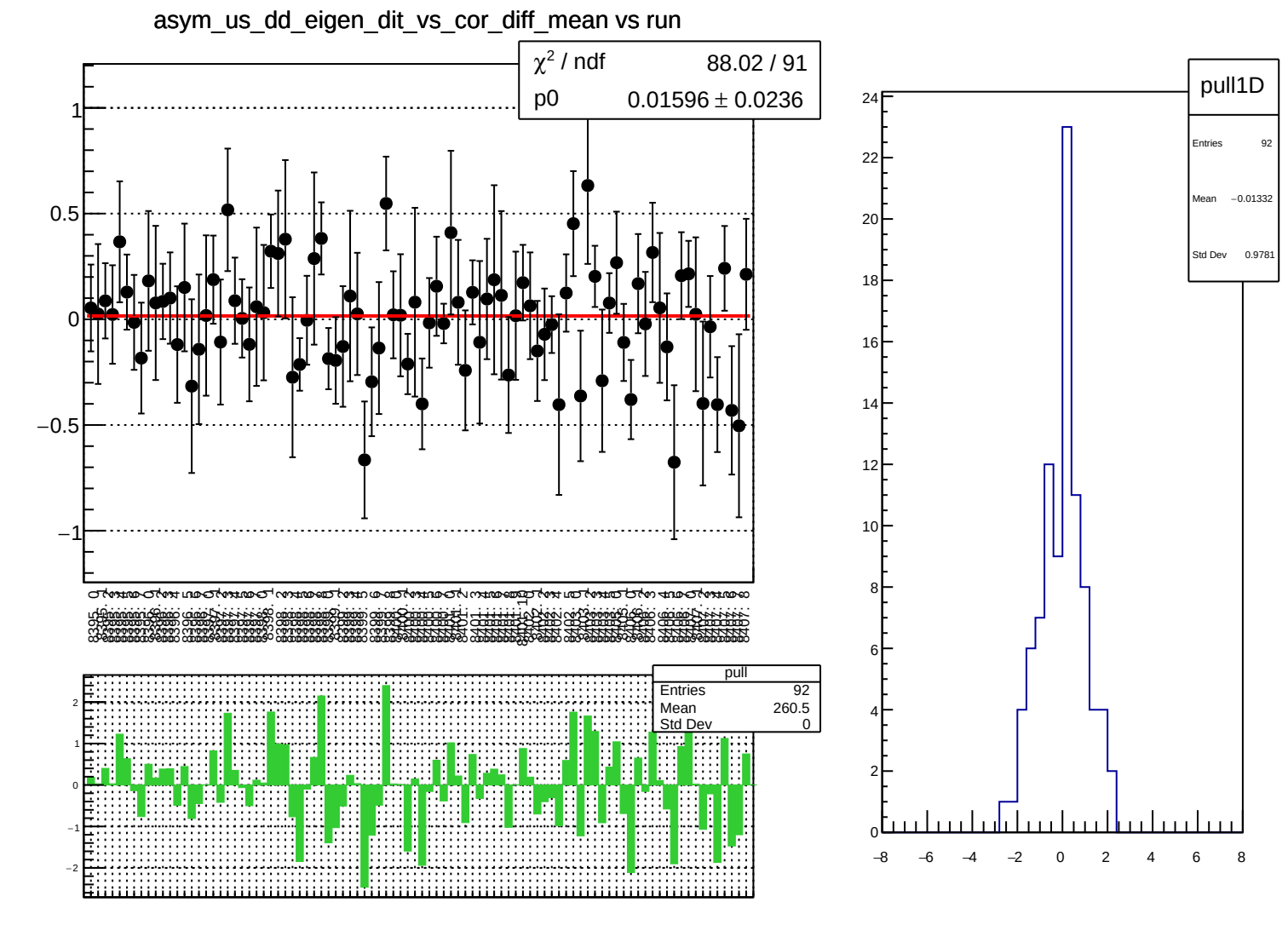

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 76.07 / 91
p0 0.03004 ± 0.04033
pull
Entries 92
Mean 150.1
Std Dev 0

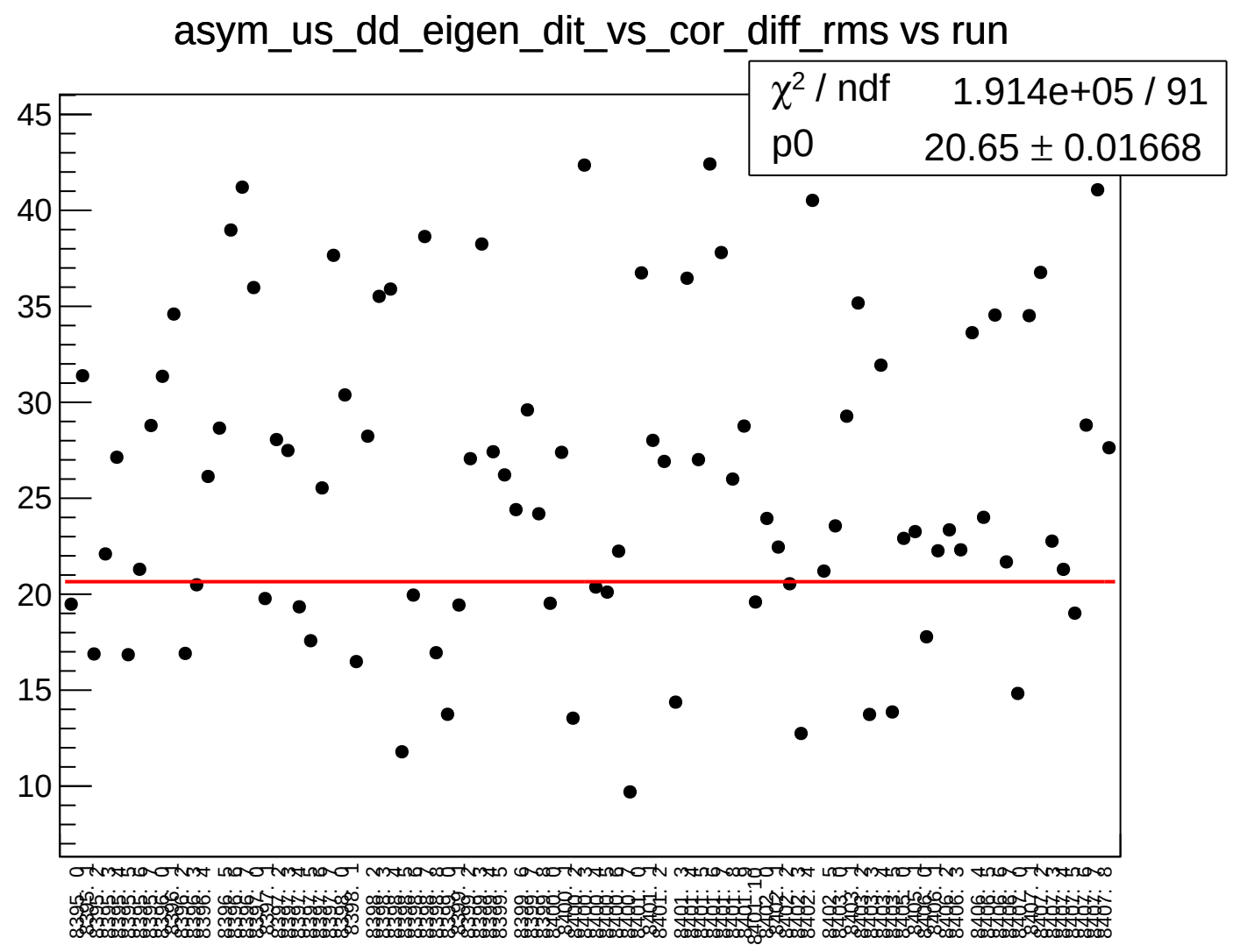

pull1D
Entries 92
Mean −0.01277
Std Dev 0.9092

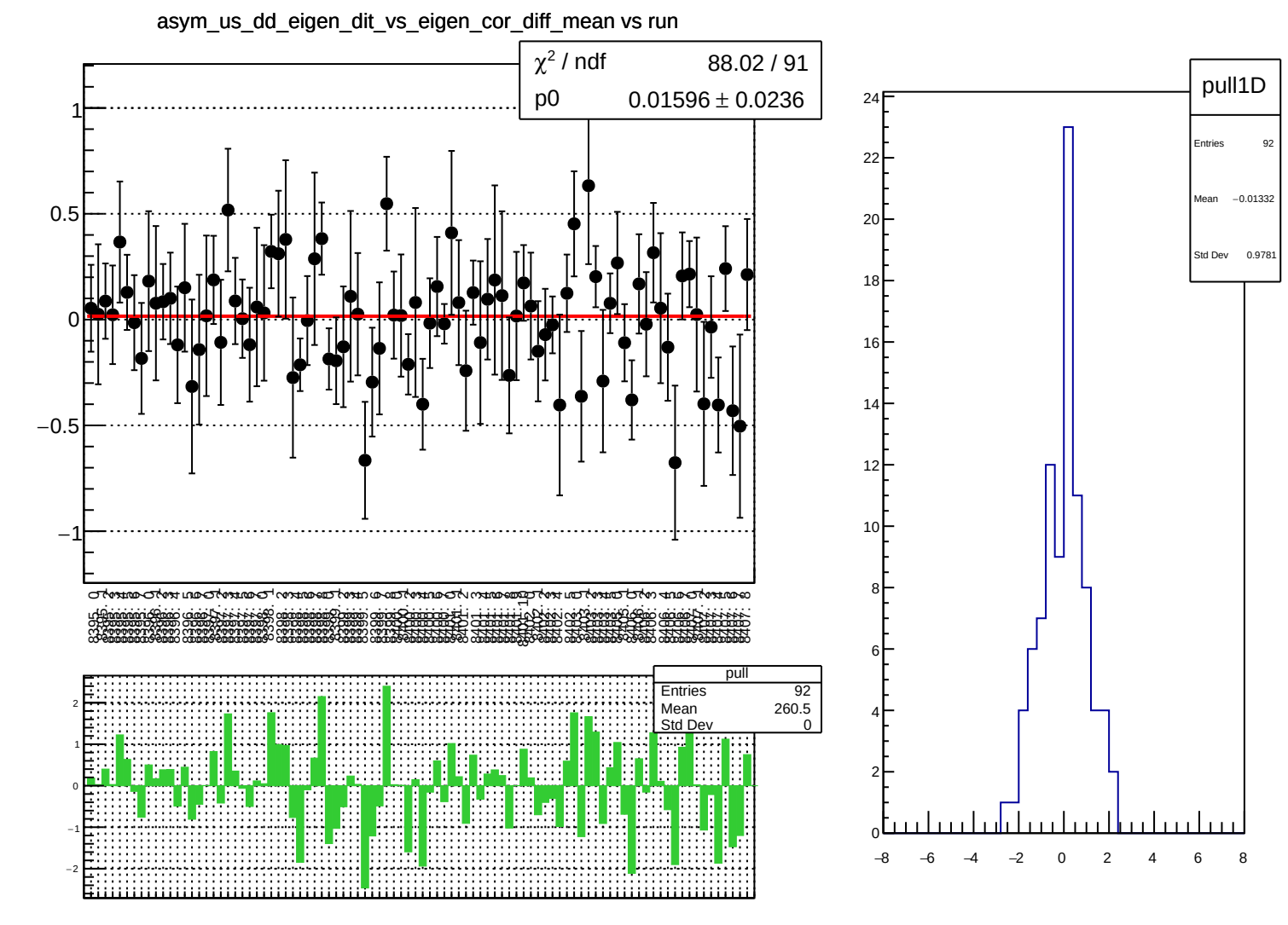

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.507e+04 / 91
p0 36.83 ± 0.02852
60
55
50
45
40
35
30
25
20

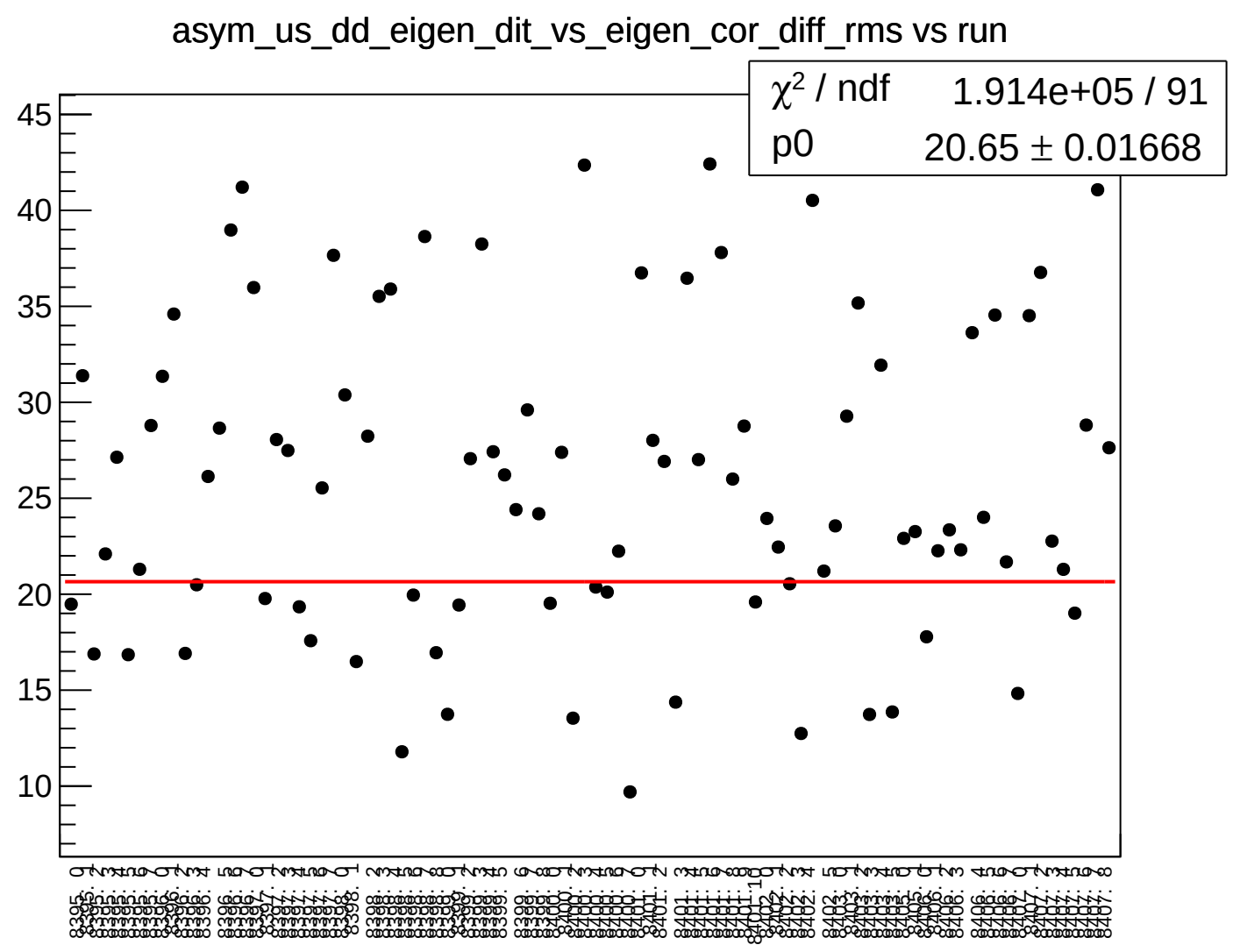

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.52 / 91
p0 4.313e−06 ± 1.323e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 92
Mean 542.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.0009735
Std Dev 0.9585
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

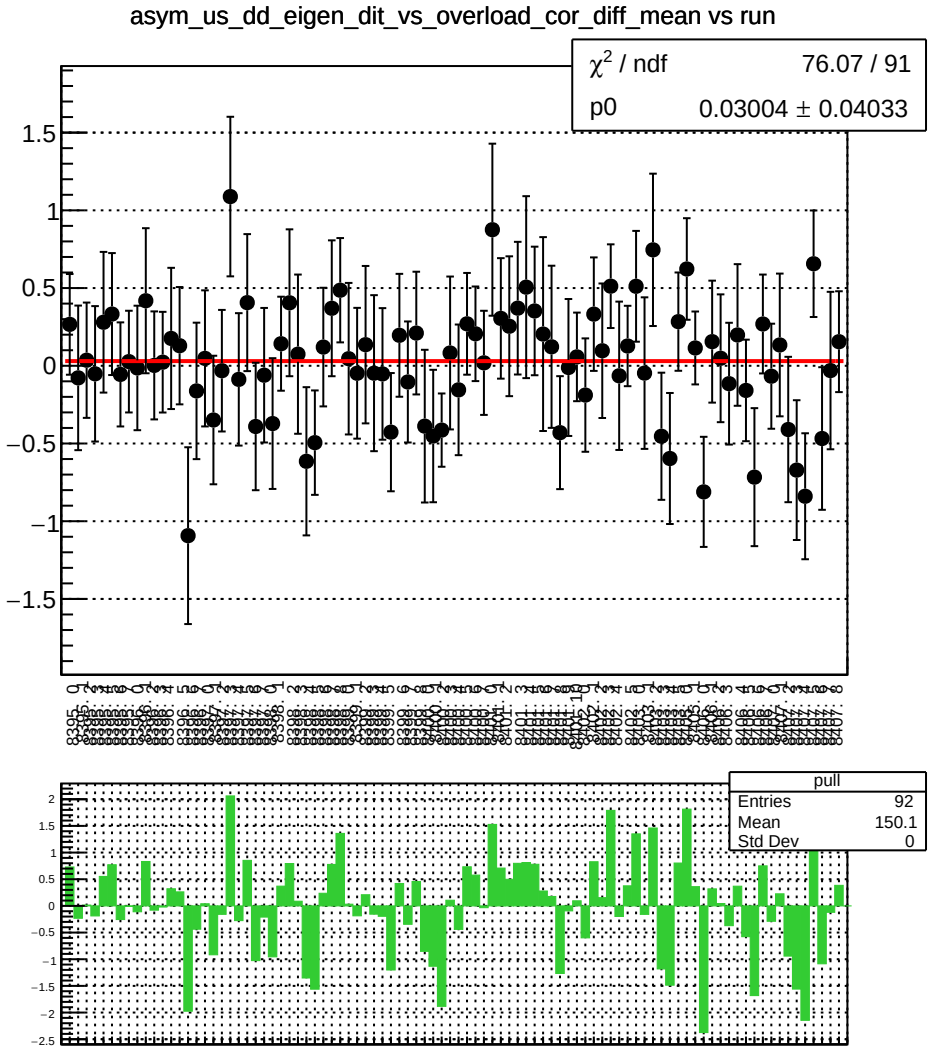

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1912 / 91
p0 0.001228 ± 9.356e−07
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115

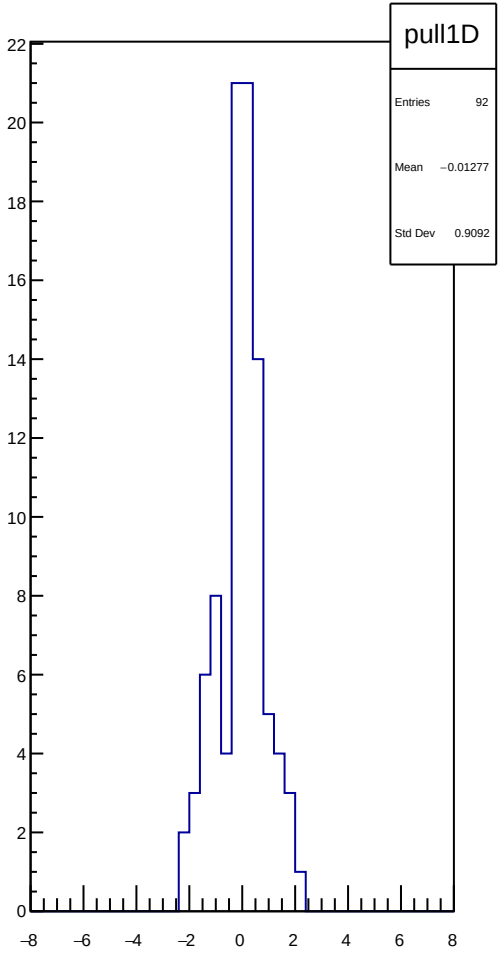

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.02 / 91
p0 0.01596 ± 0.0236
pull
Entries 92
Mean 260.5
Std Dev 0
pull1D
Entries 92
Mean −0.01332
Std Dev 0.9781

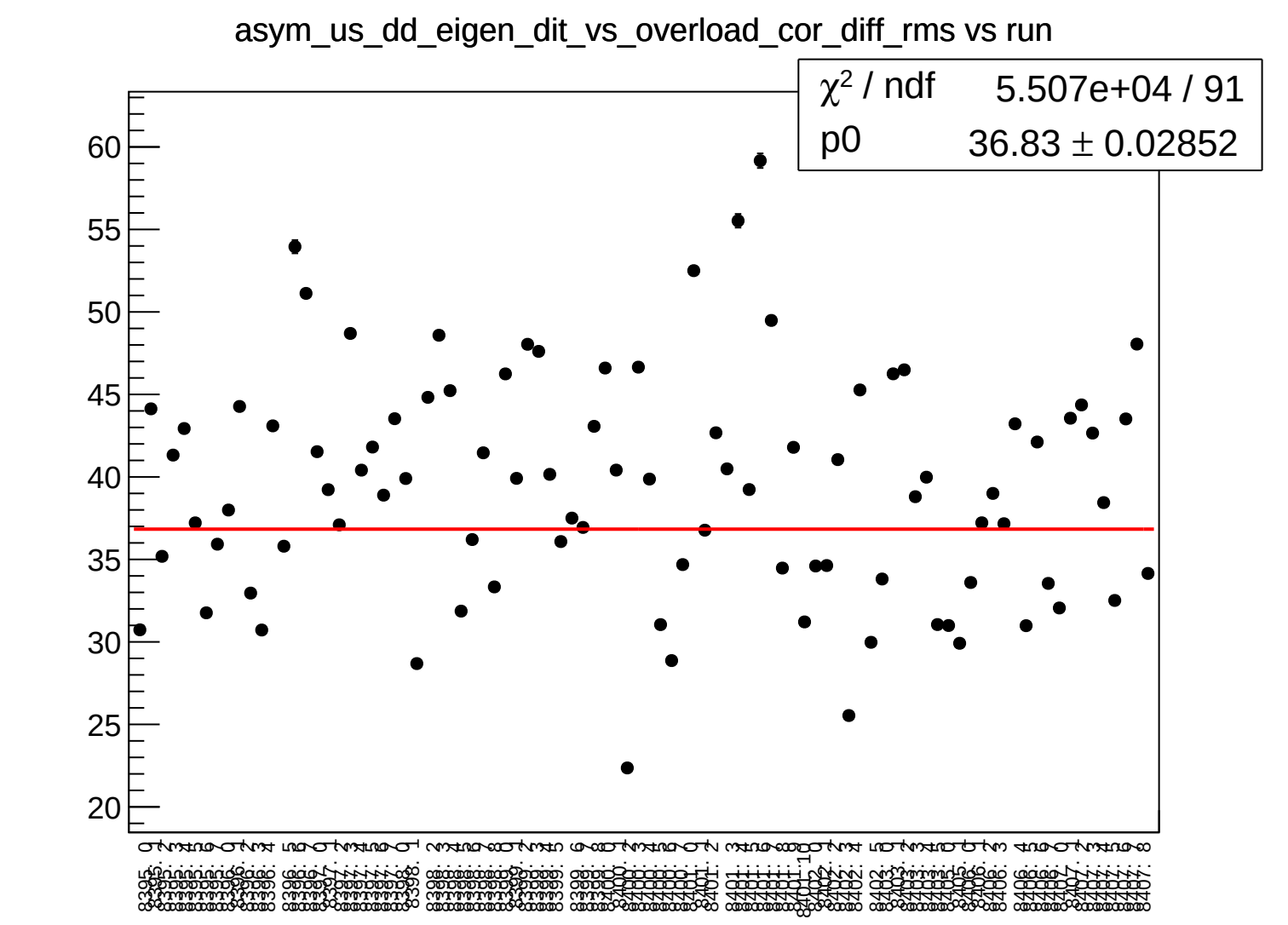

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.914e+05 / 91
p0 20.65 ± 0.01668
45
40
35
30
25
20
15
10

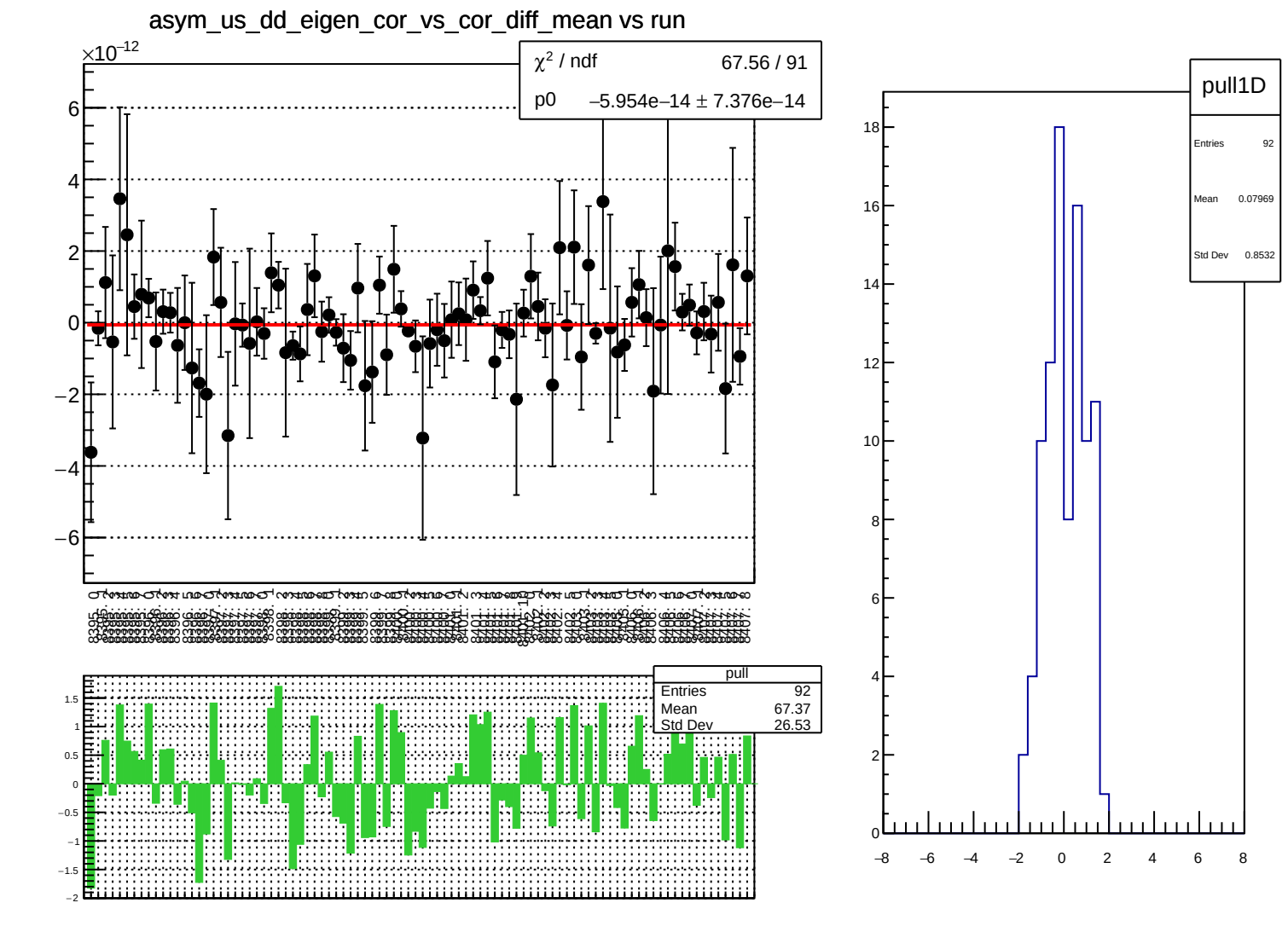

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.02 / 91
p0 0.01596 ± 0.0236
pull
Entries 92
Mean 260.5
Std Dev 0
pull1D
Entries 92
Mean −0.01332
Std Dev 0.9781

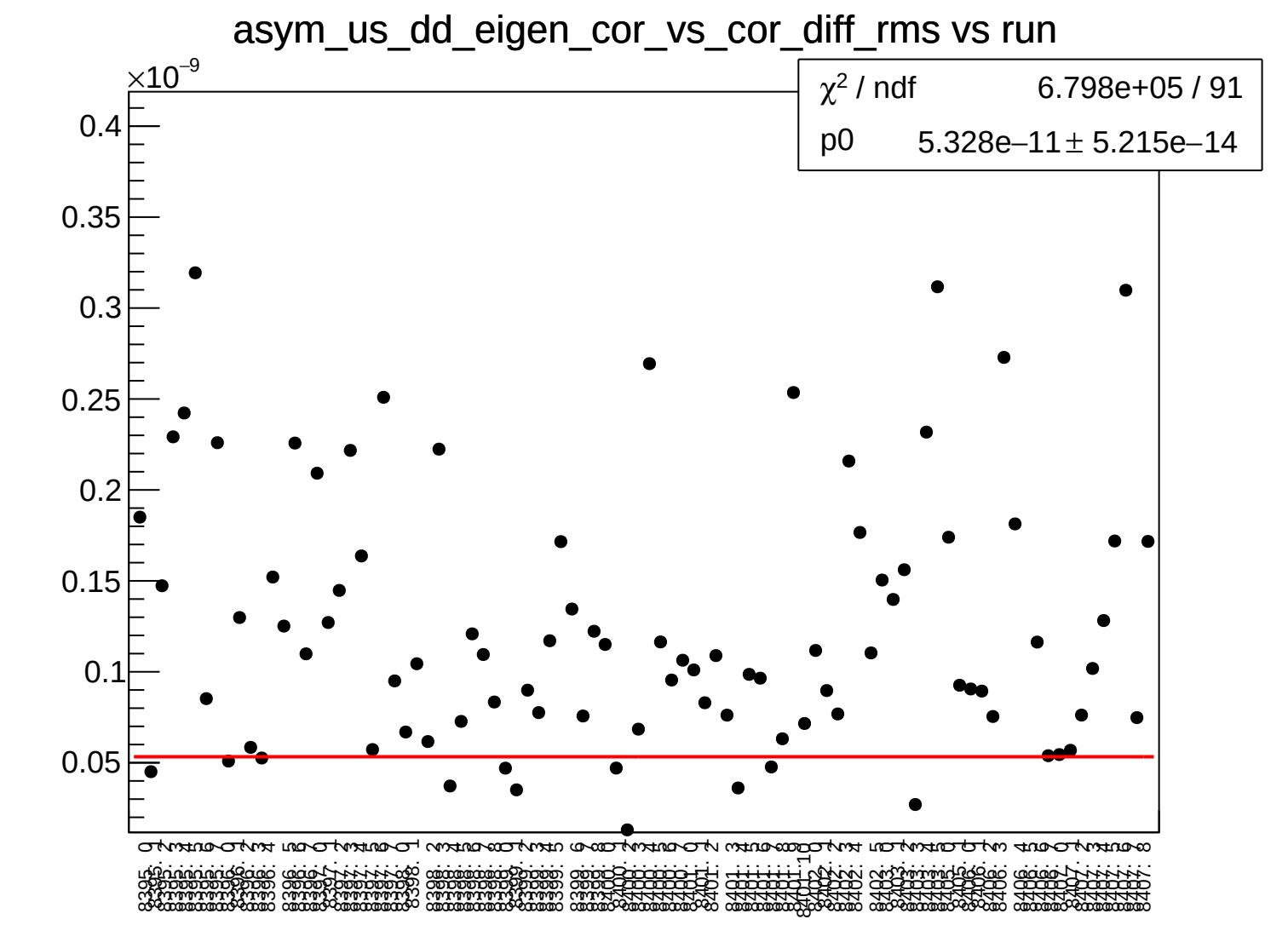

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.914e+05 / 91
p0 20.65 ± 0.01668
45
40
35
30
25
20
15
10

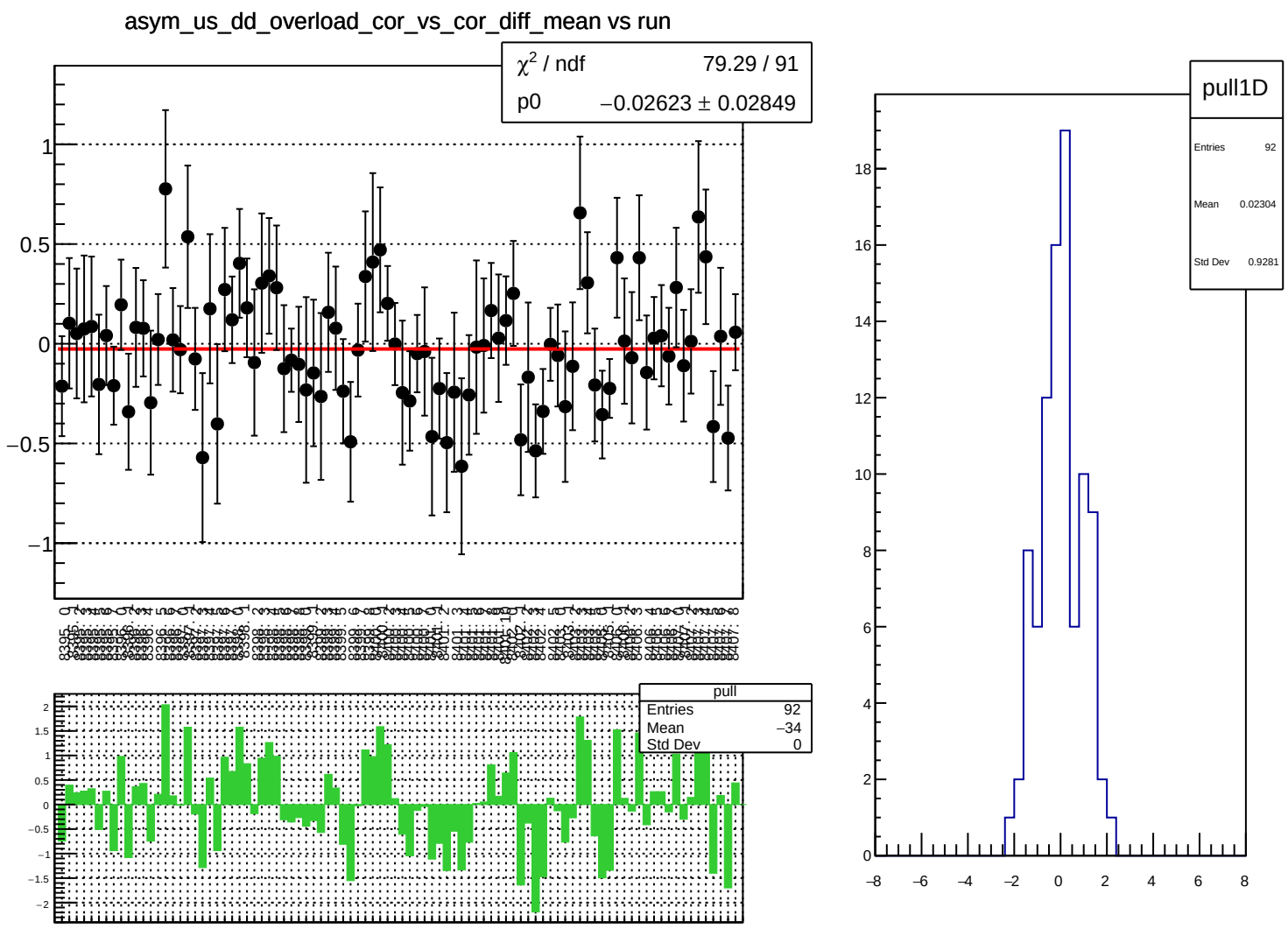

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 76.07 / 91
p0 0.03004 ± 0.04033
pull
Entries 92
Mean 150.1
Std Dev 0

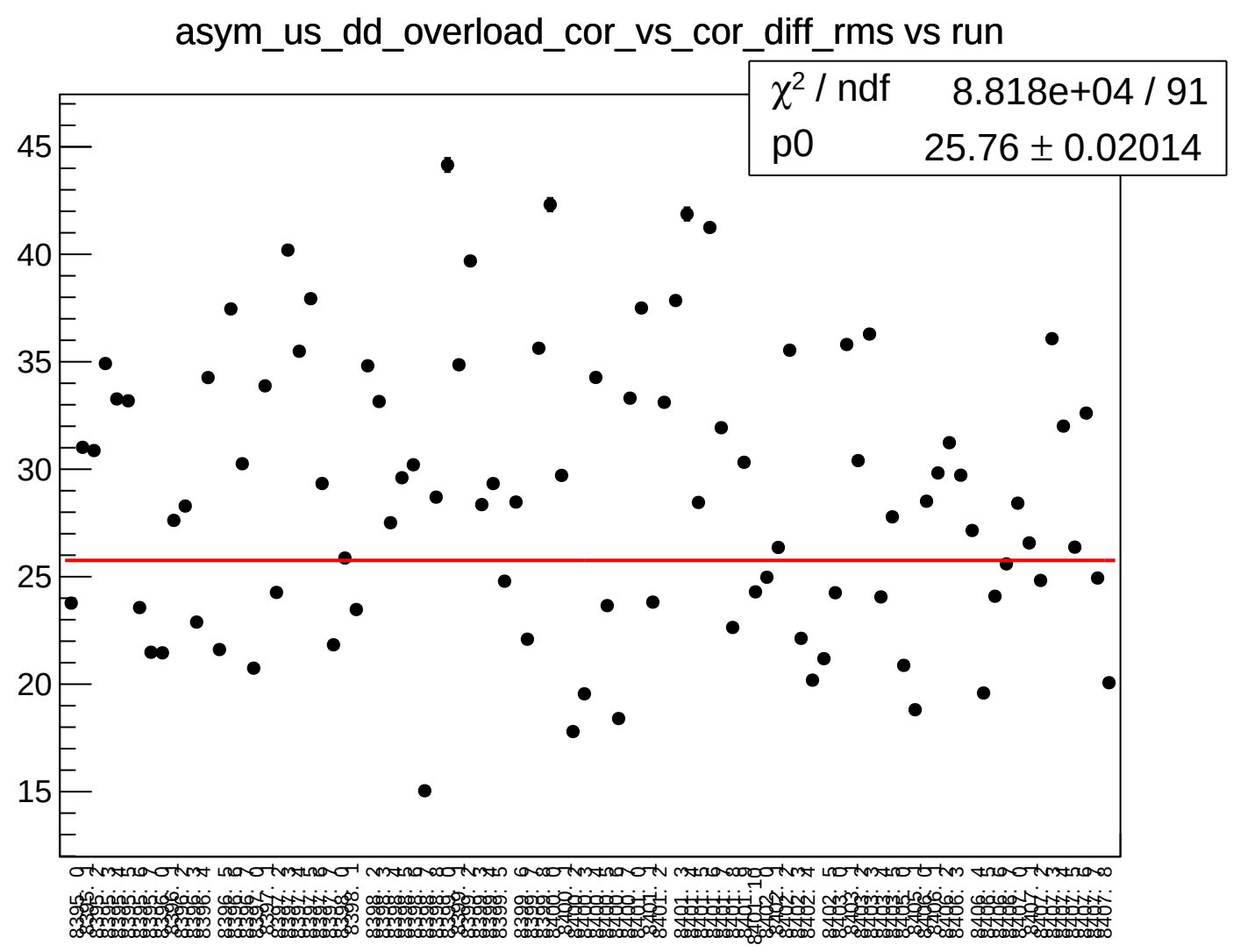

pull1D
Entries 92
Mean −0.01277
Std Dev 0.9092

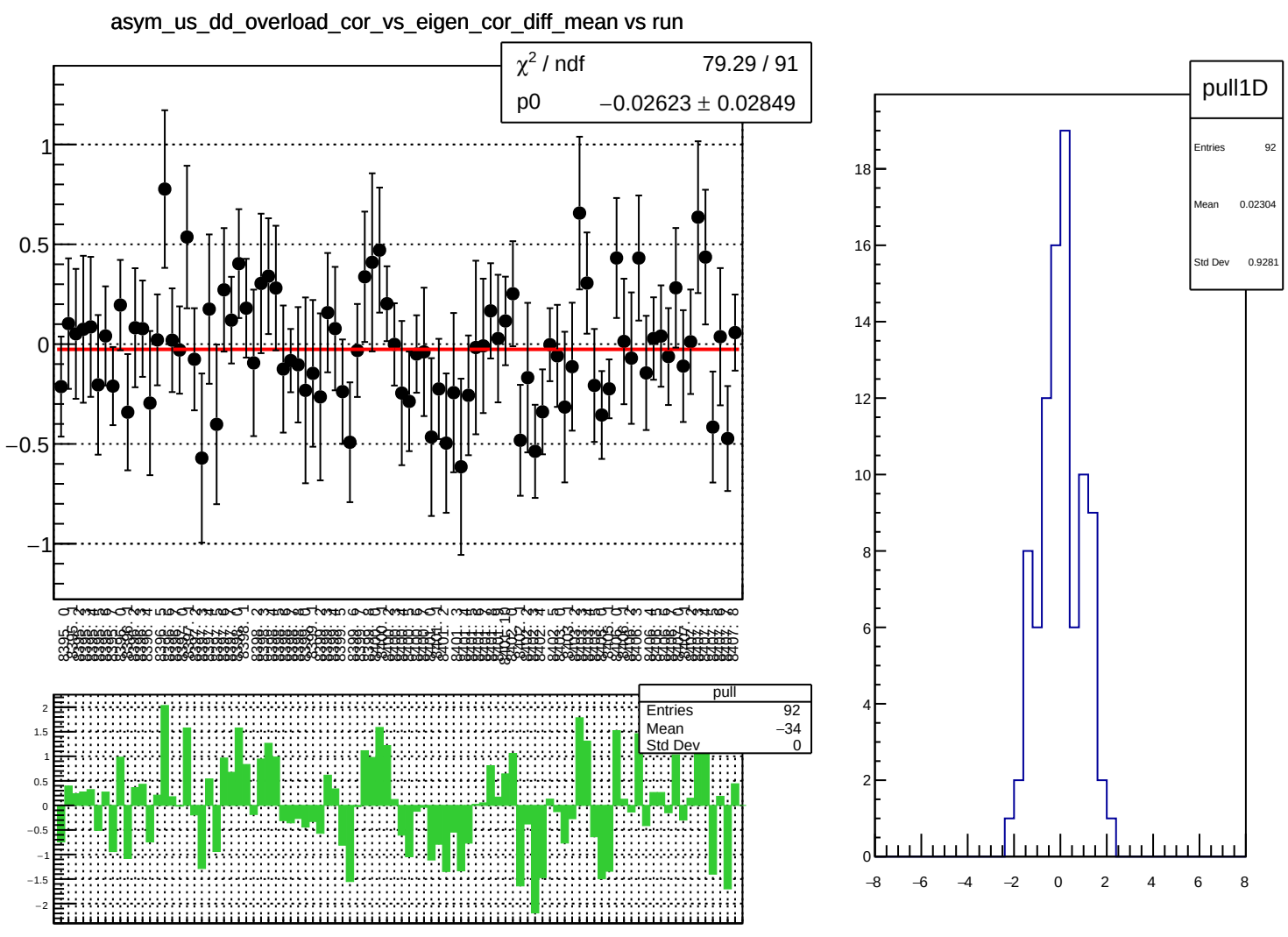

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.507e+04 / 91
p0 36.83 ± 0.02852
60
55
50
45
40
35
30
25
20

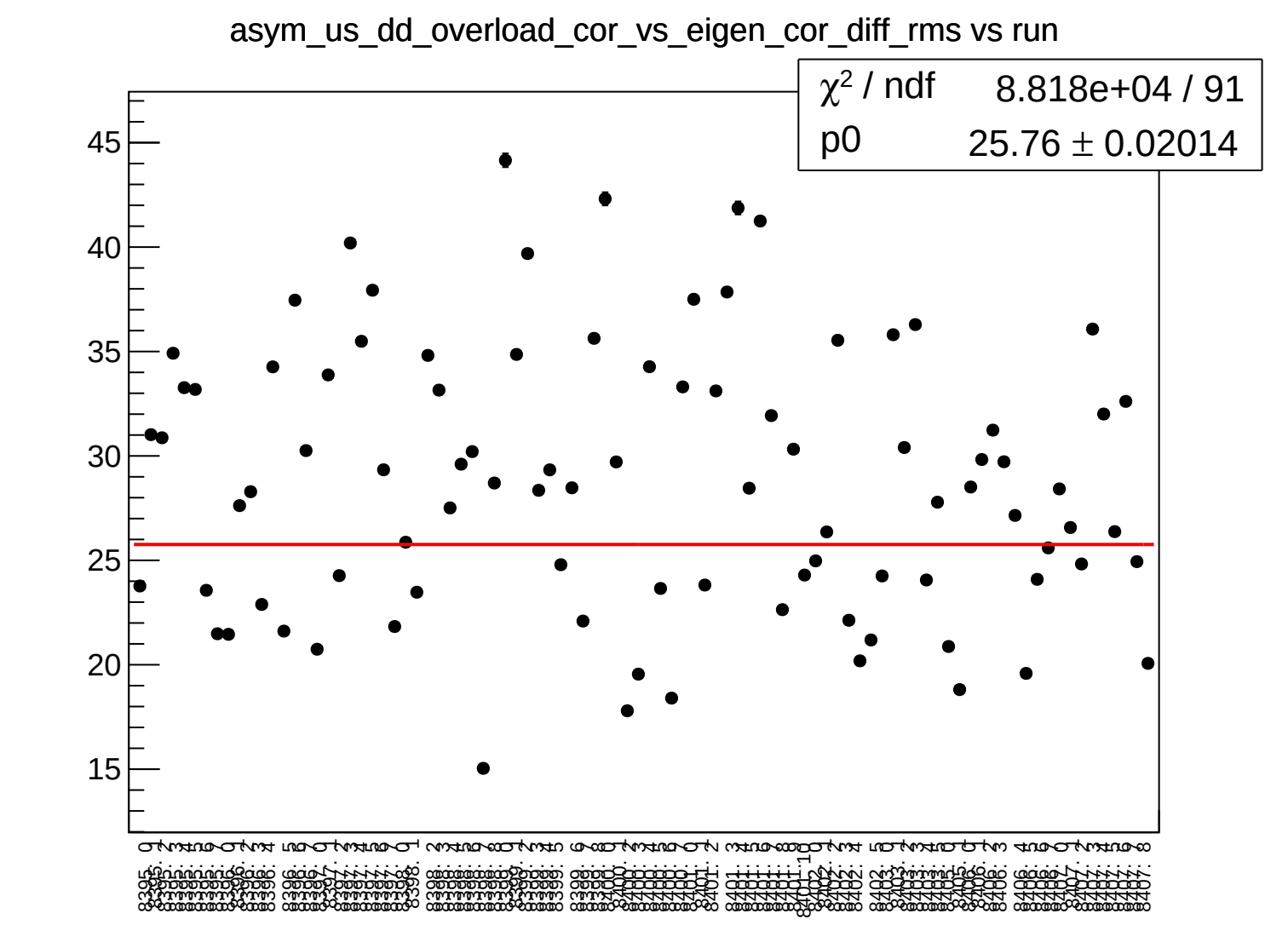

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.56 / 91
p0 −5.954e−14 ± 7.376e−14
pull
Entries 92
Mean 67.37
Std Dev 26.53
pull1D
Entries 92
Mean 0.07969
Std Dev 0.8532

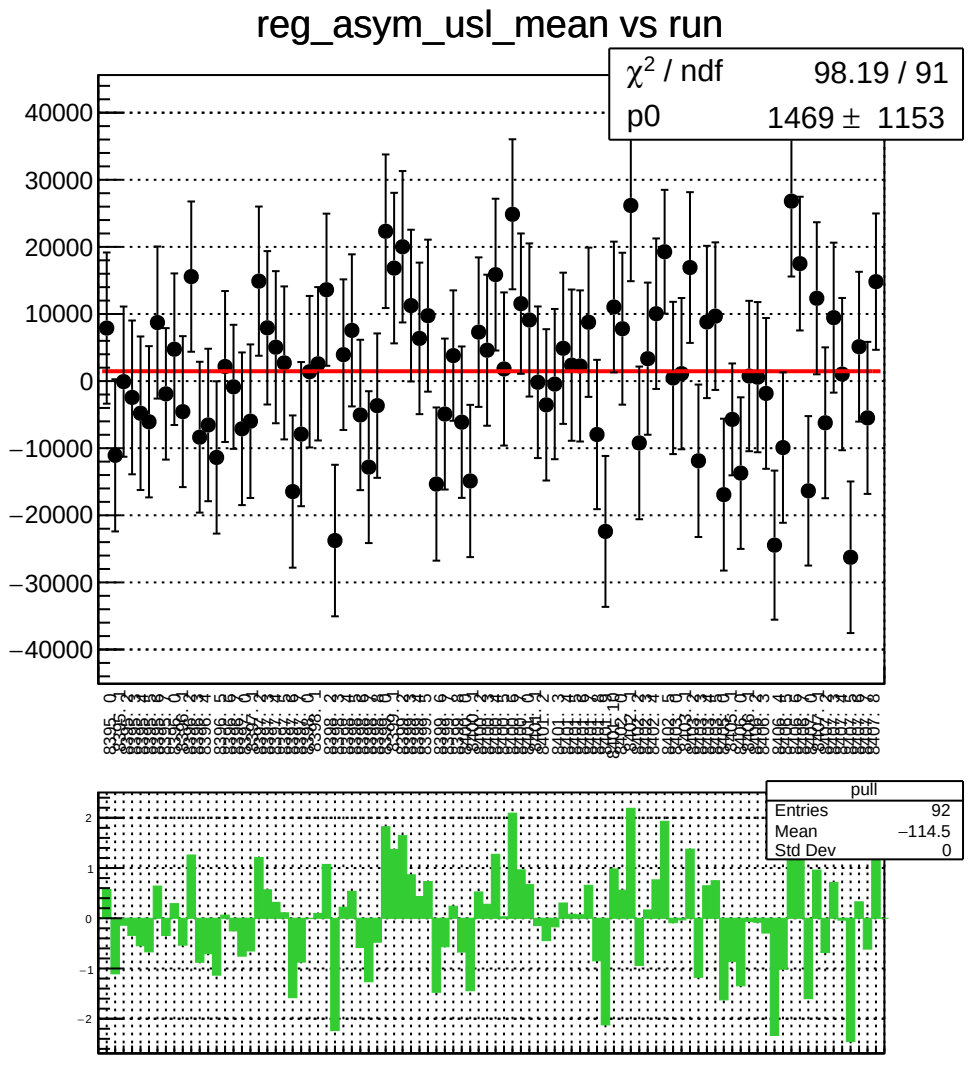

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.798e+05 / 91
p0 5.328e−11 ± 5.215e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

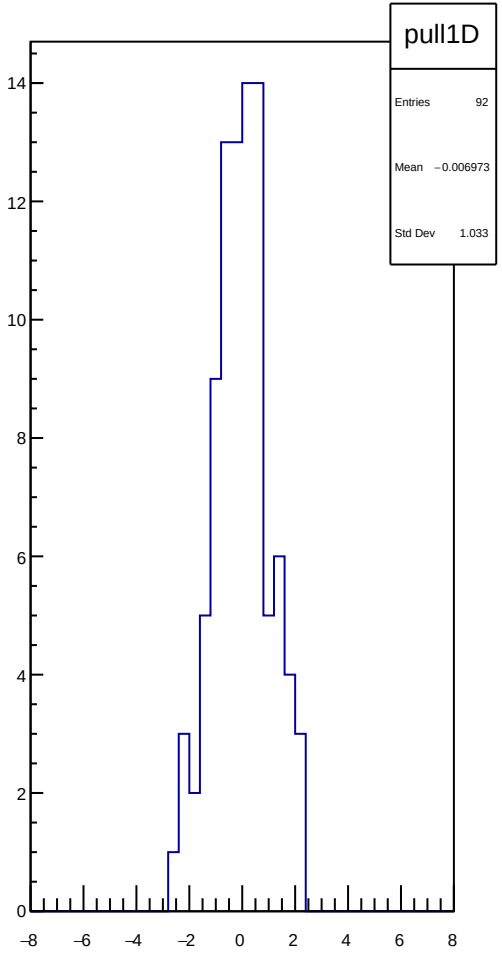

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 79.29 / 91
p0 −0.02623 ± 0.02849
pull
Entries 92
Mean −34
Std Dev 0
pull1D
Entries 92
Mean 0.02304
Std Dev 0.9281

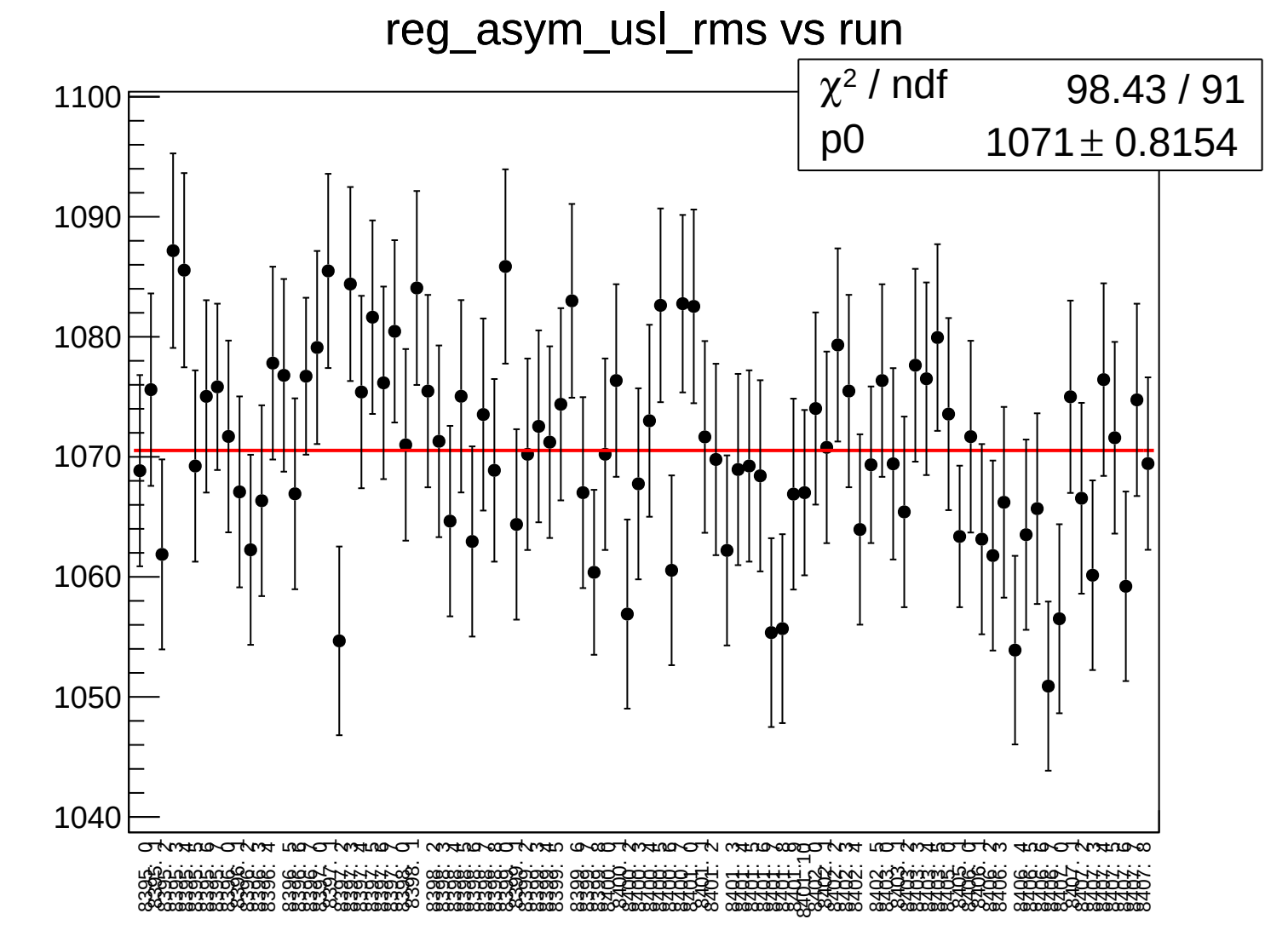

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 8.818e+04 / 91
p0 25.76 ± 0.02014
45
40
35
30
25
20
15

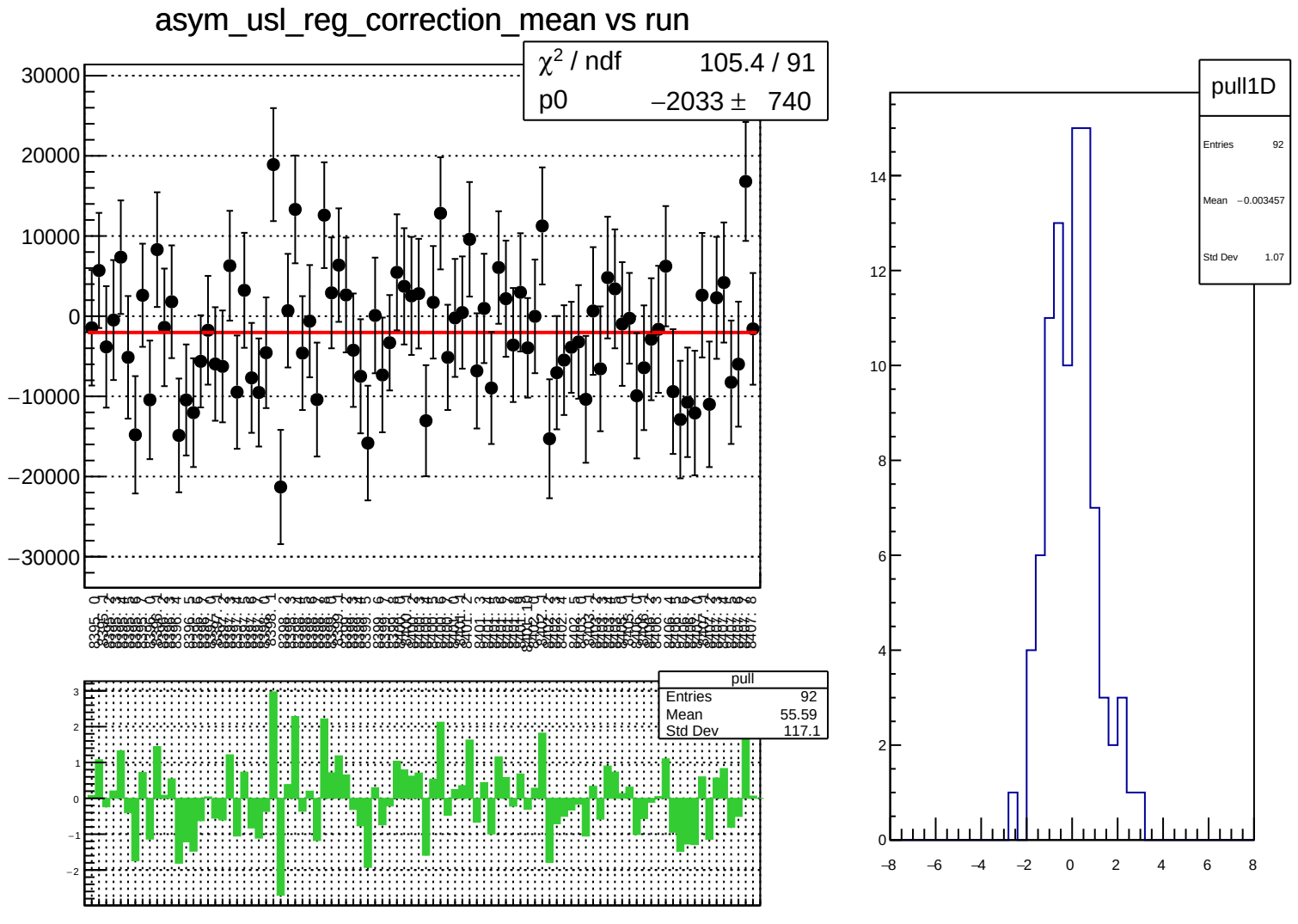

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.29 / 91
p0 −0.02623 ± 0.02849
pull
Entries 92
Mean −34
Std Dev 0
pull1D
Entries 92
Mean 0.02304
Std Dev 0.9281

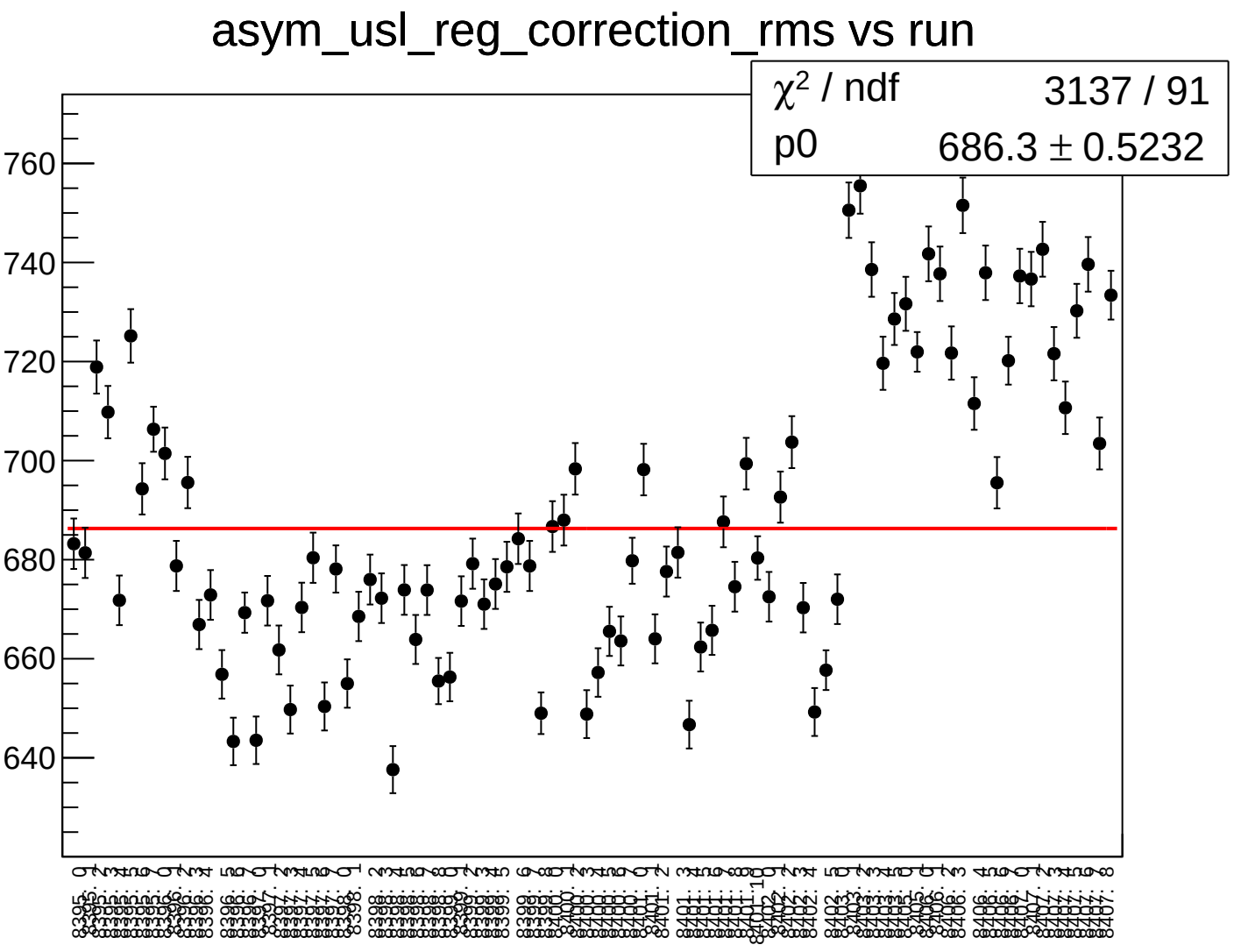

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.818e+04 / 91
p0 25.76 ± 0.02014
45
40
35
30
25
20
15

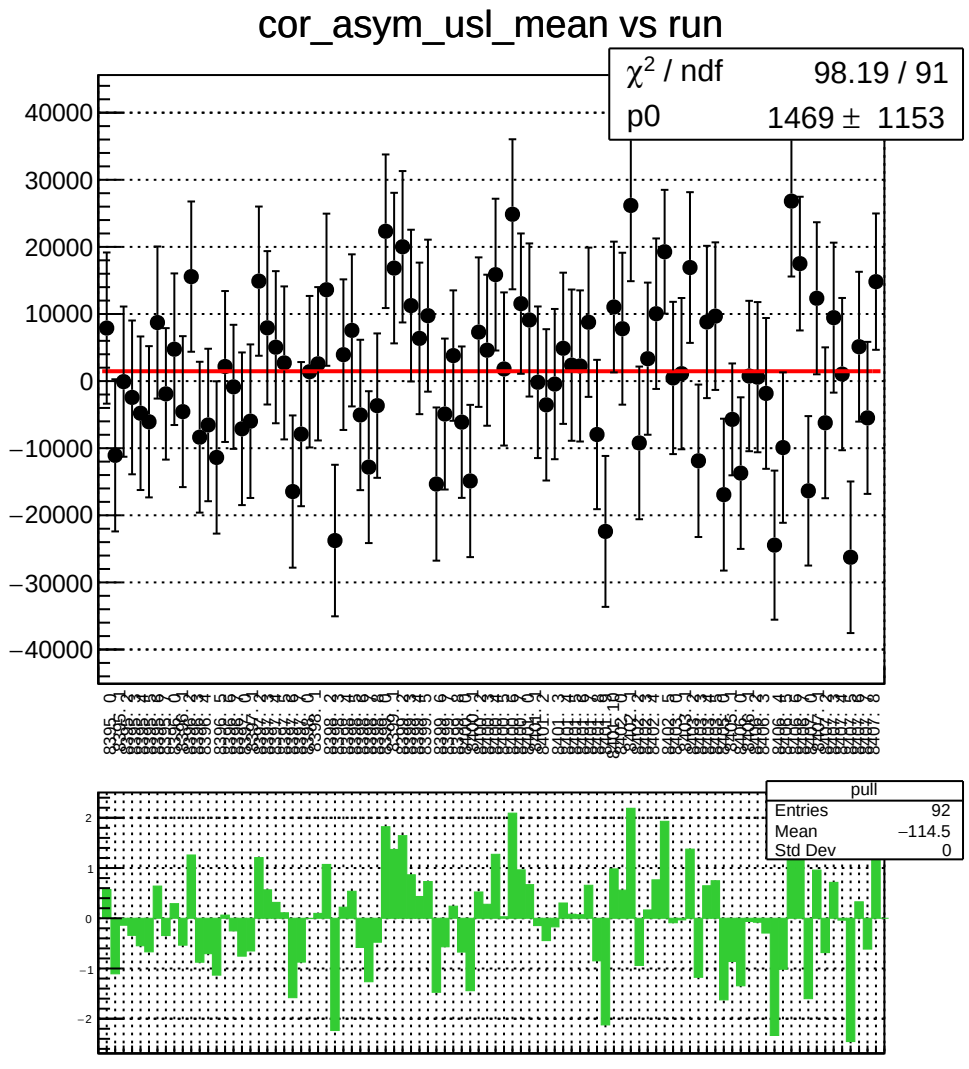

reg_asym_usl_mean vs run
χ² / ndf 98.19 / 91
p0 1469 ± 1153
pull
Entries 92
Mean −114.5
Std Dev 0

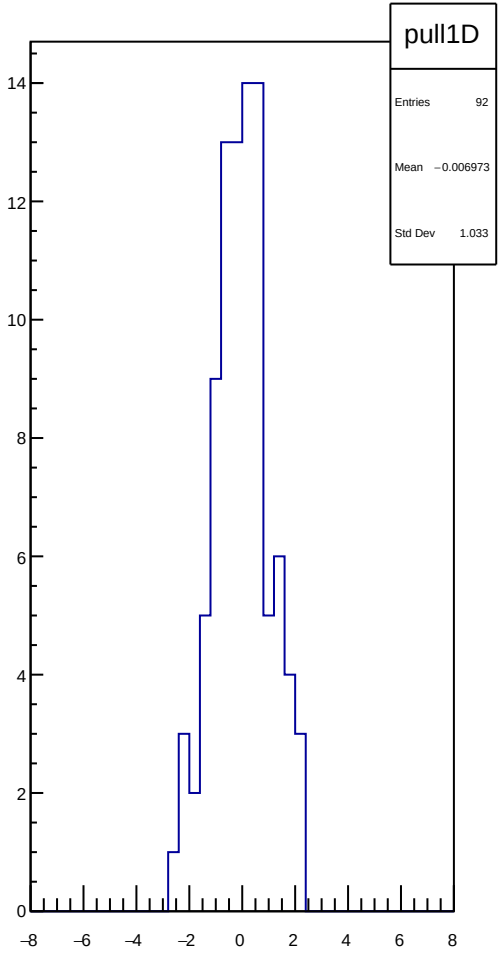

pull1D
Entries 92
Mean −0.006973
Std Dev 1.033

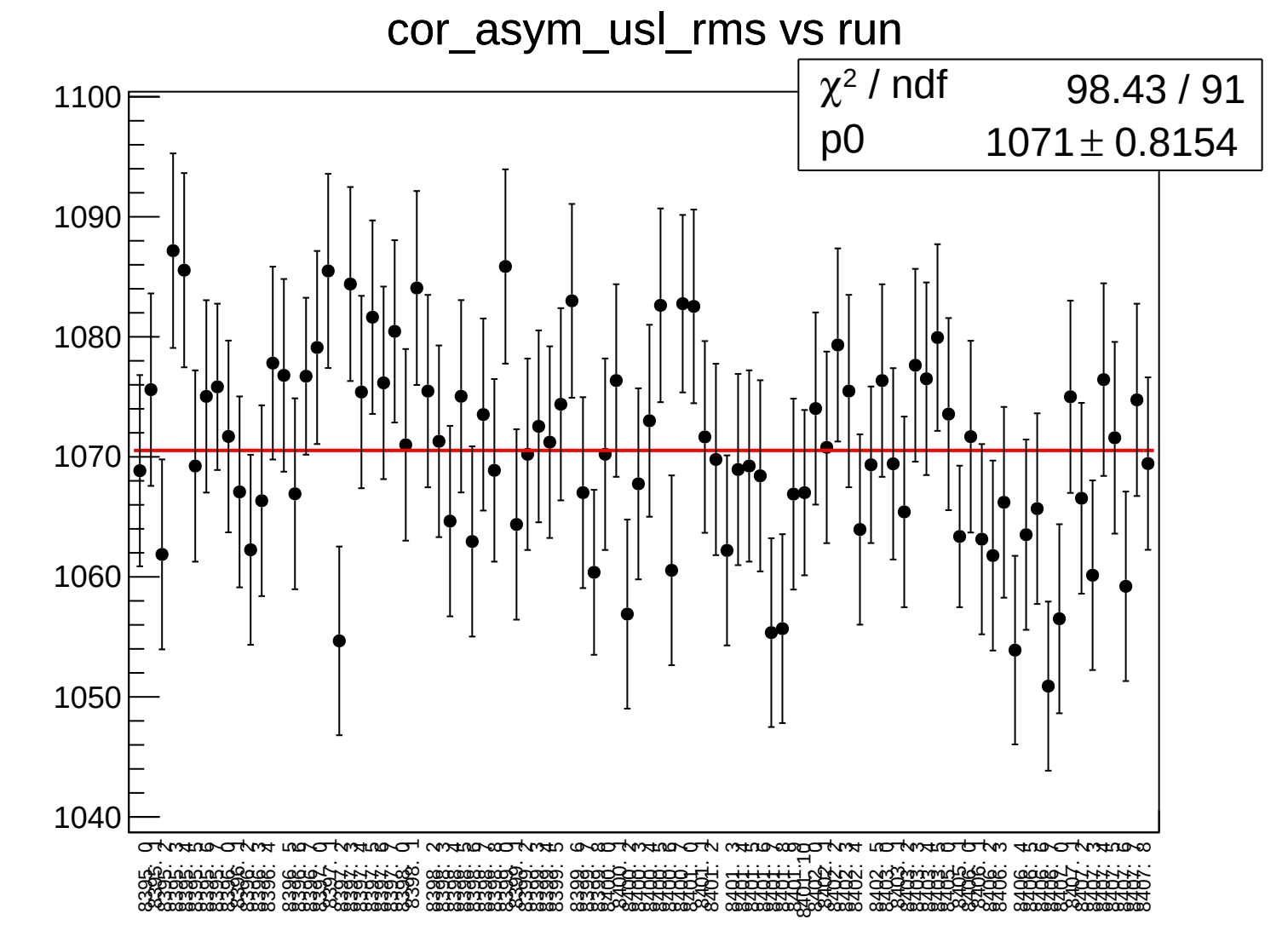

reg_asym_usl_rms vs run
χ² / ndf 98.43 / 91
p0 1071 ± 0.8154
1100
1090
1080
1070
1060
1050
1040

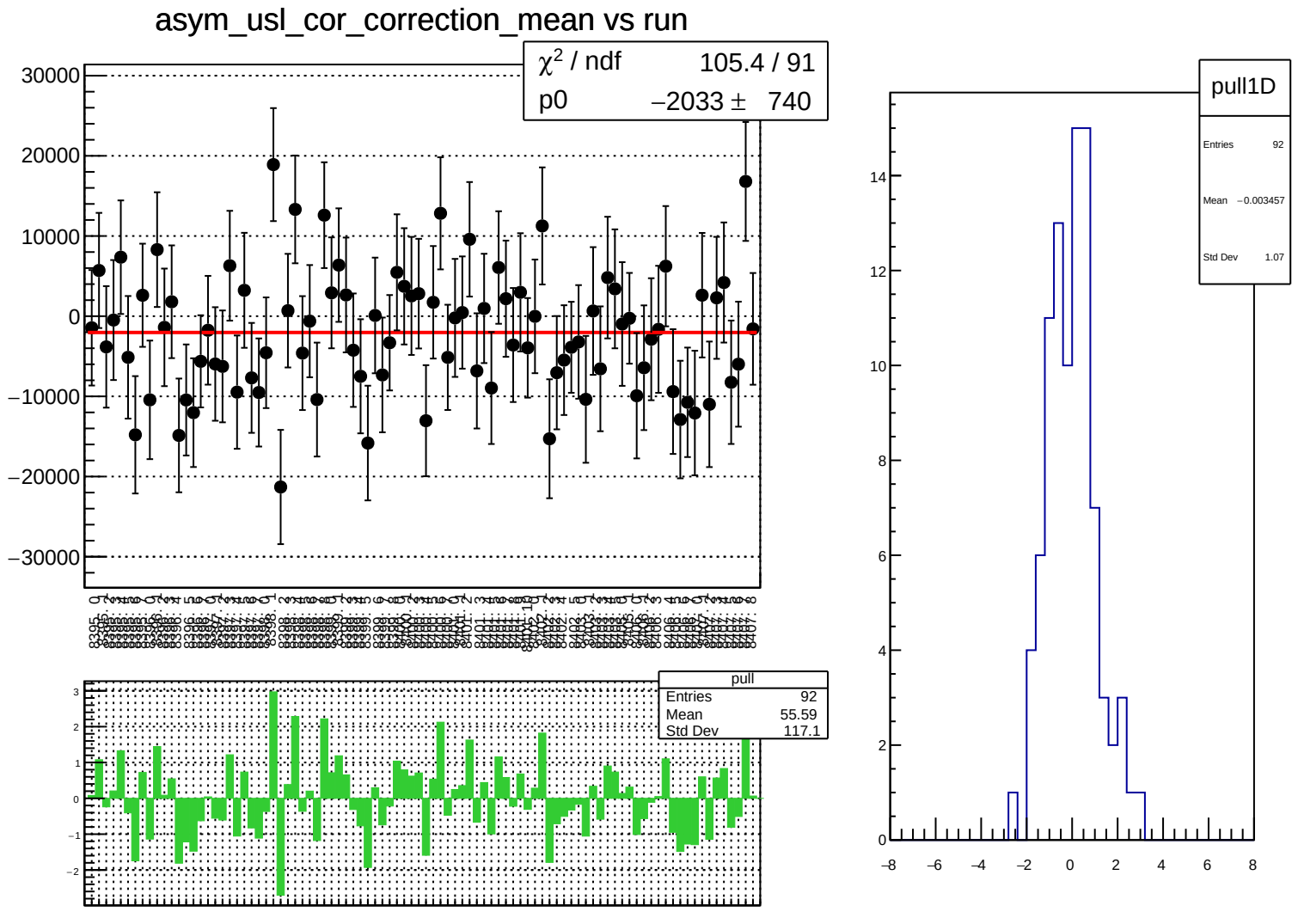

asym_usl_reg_correction_mean vs run
χ² / ndf 105.4 / 91
p0 −2033 ± 740
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 55.59
Std Dev 117.1
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003457
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

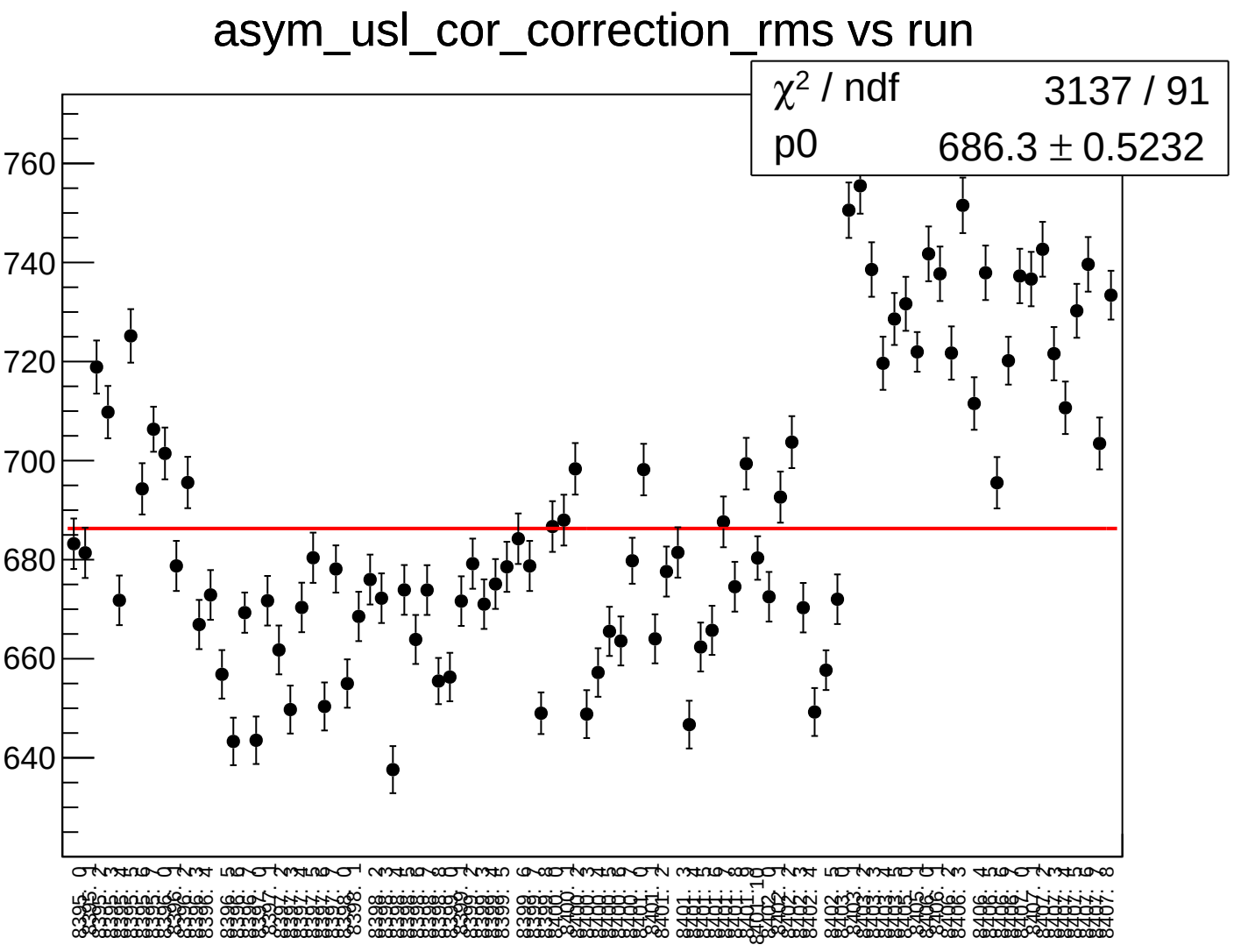

asym_usl_reg_correction_rms vs run
χ² / ndf 3137 / 91
p0 686.3 ± 0.5232
760
740
720
700
680
660
640

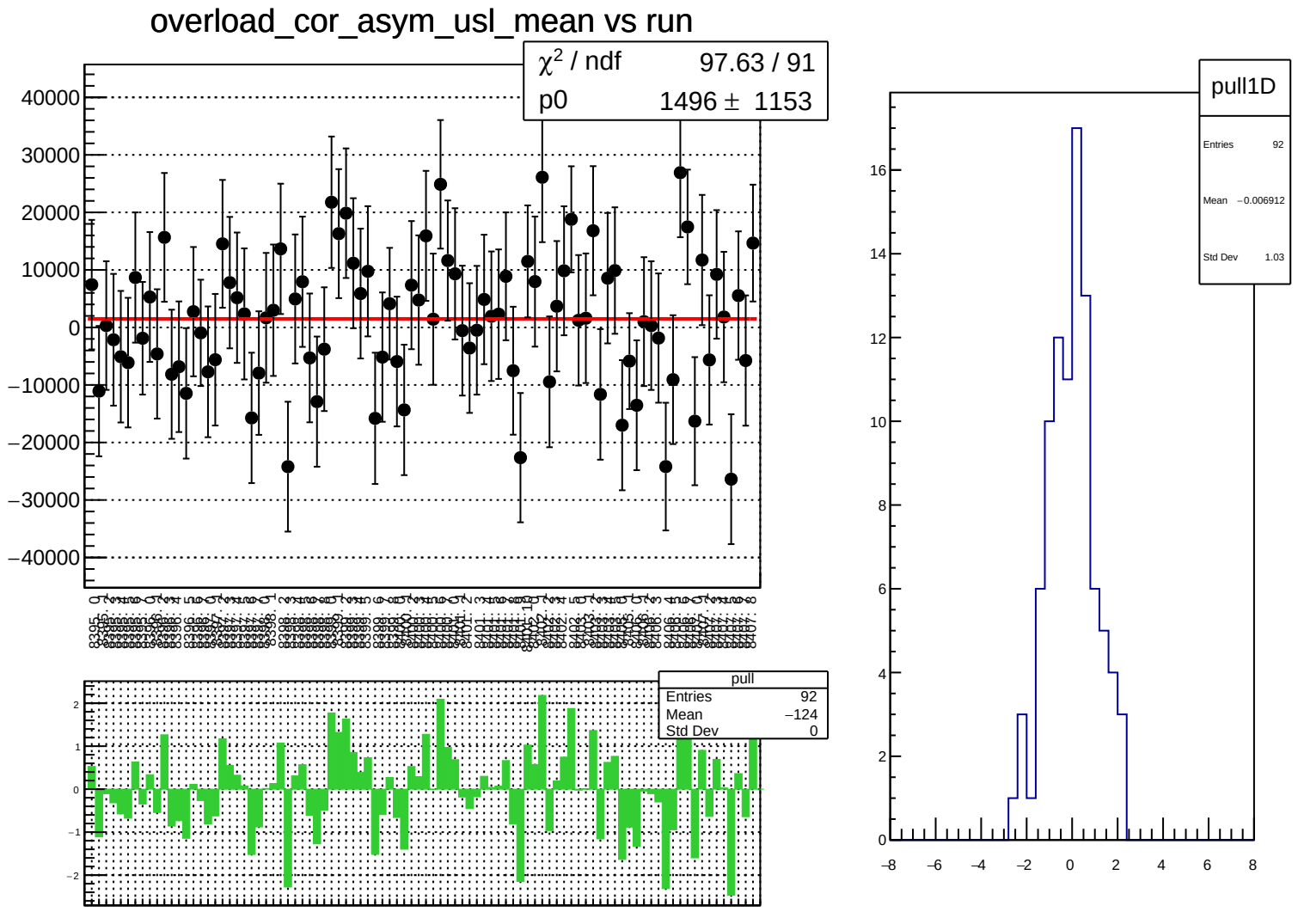

cor_asym_usl_mean vs run
χ² / ndf 98.19 / 91
p0 1469 ± 1153
pull
Entries 92
Mean −114.5
Std Dev 0

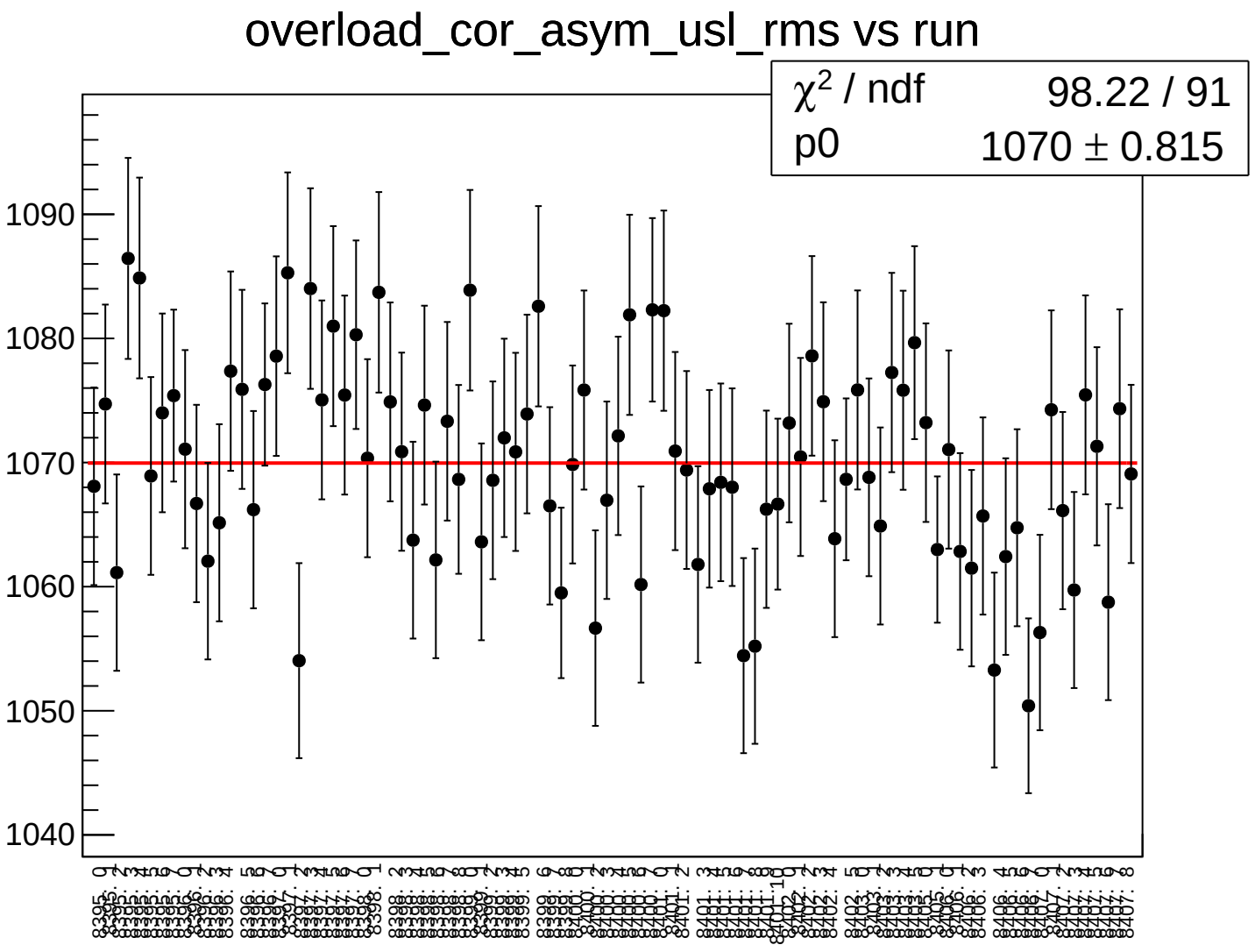

pull1D
Entries 92
Mean −0.006973
Std Dev 1.033

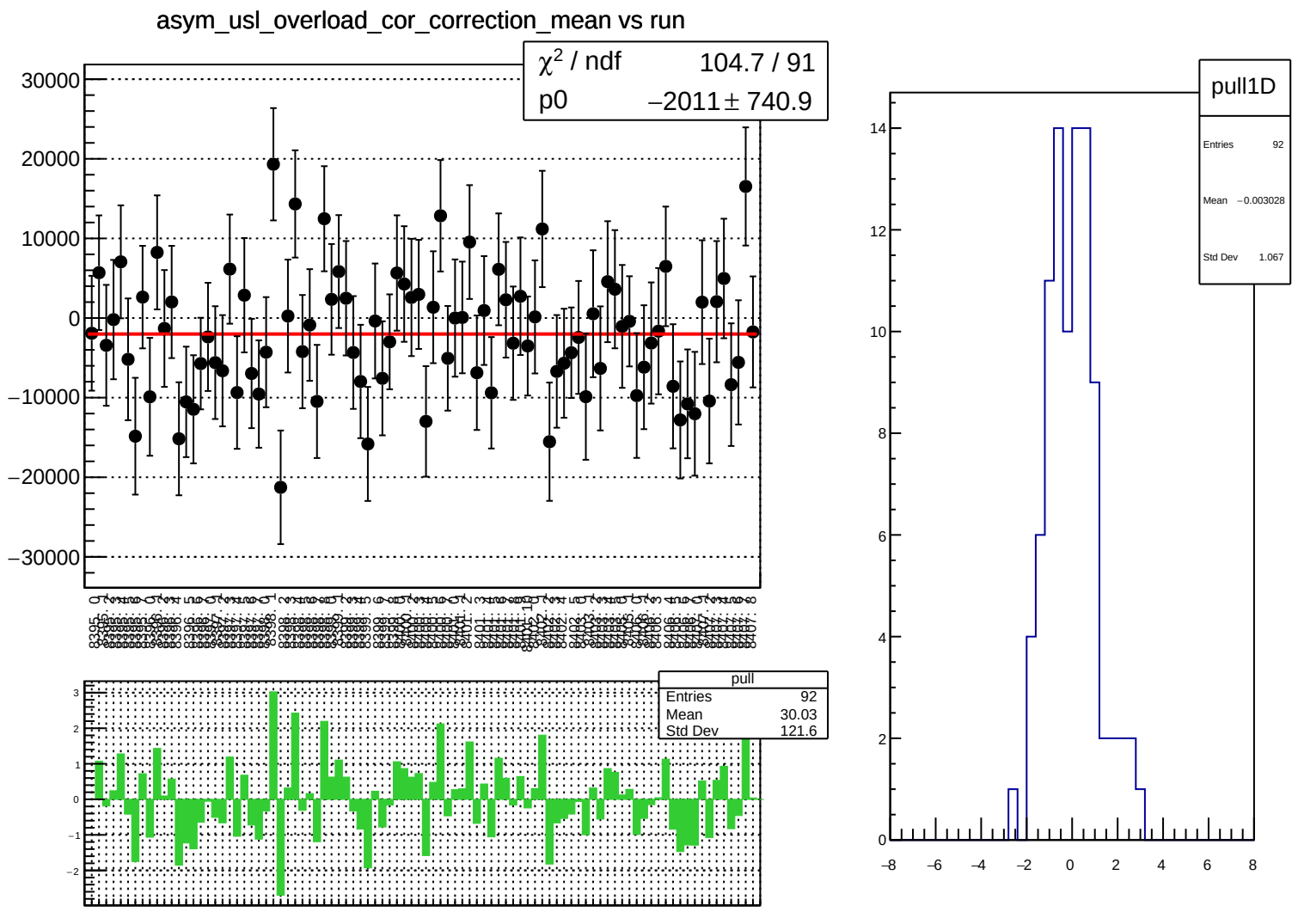

cor_asym_usl_rms vs run
χ² / ndf 98.43 / 91
p0 1071 ± 0.8154
1100
1090
1080
1070
1060
1050
1040

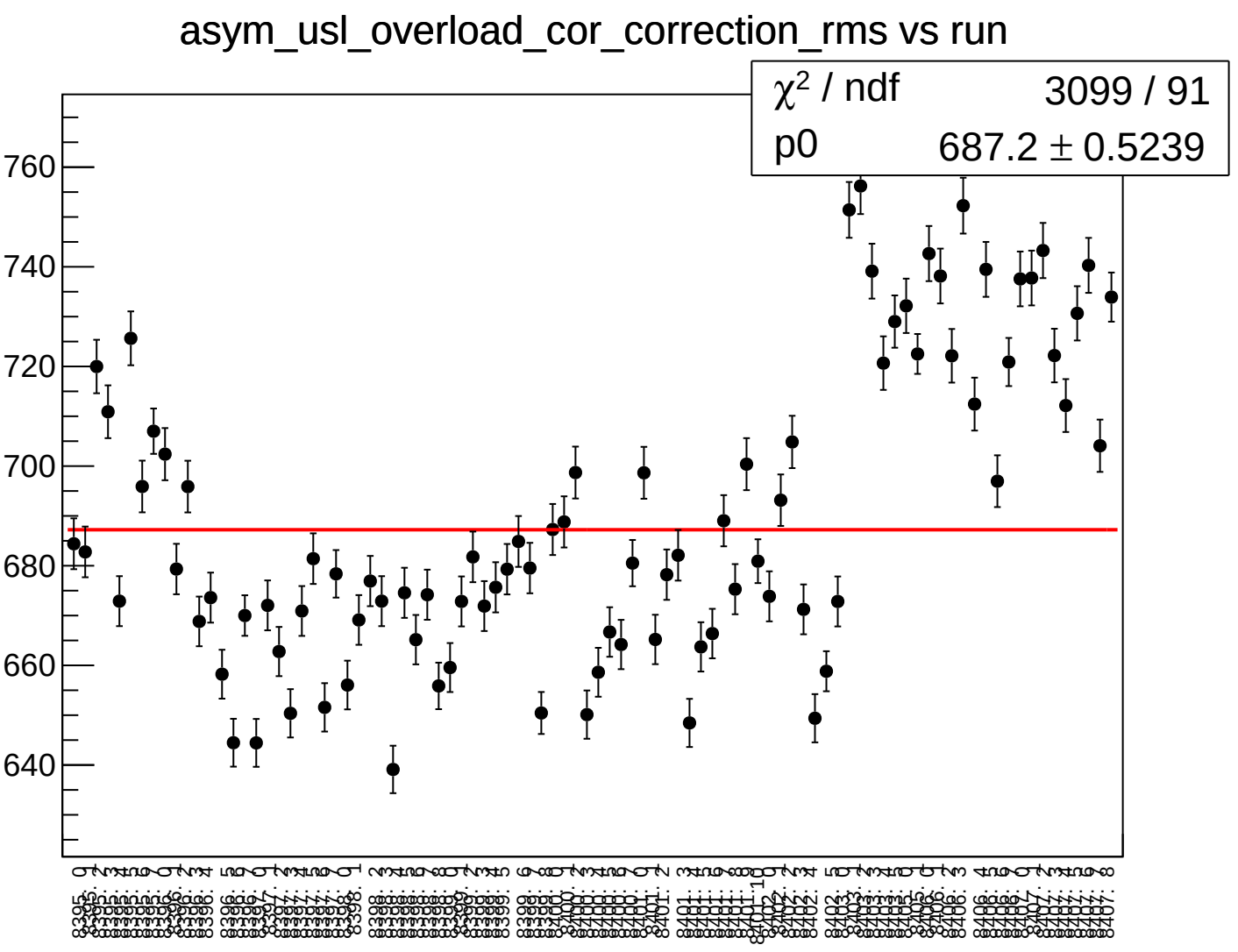

asym_usl_cor_correction_mean vs run
χ² / ndf 105.4 / 91
p0 −2033 ± 740
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 55.59
Std Dev 117.1
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003457
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

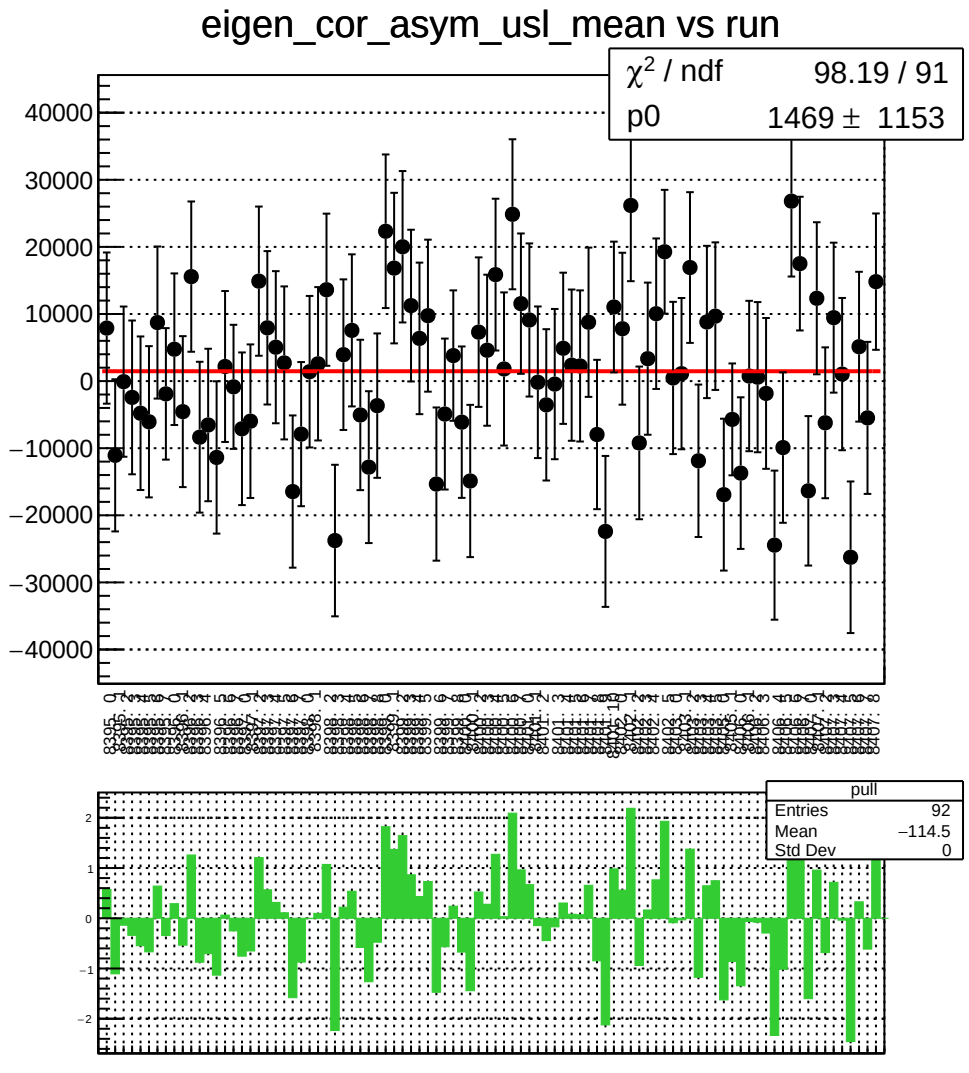

asym_usl_cor_correction_rms vs run
χ² / ndf 3137 / 91
p0 686.3 ± 0.5232
760
740
720
700
680
660
640

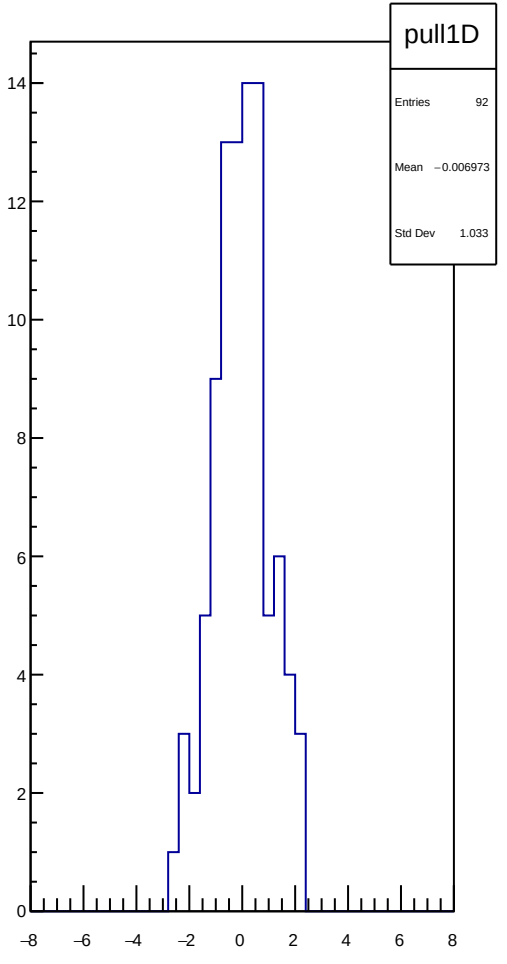

overload_cor_asym_usl_mean vs run
χ² / ndf 97.63 / 91
p0 1496 ± 1153
pull
Entries 92
Mean −124
Std Dev 0
pull1D
Entries 92
Mean −0.006912
Std Dev 1.03

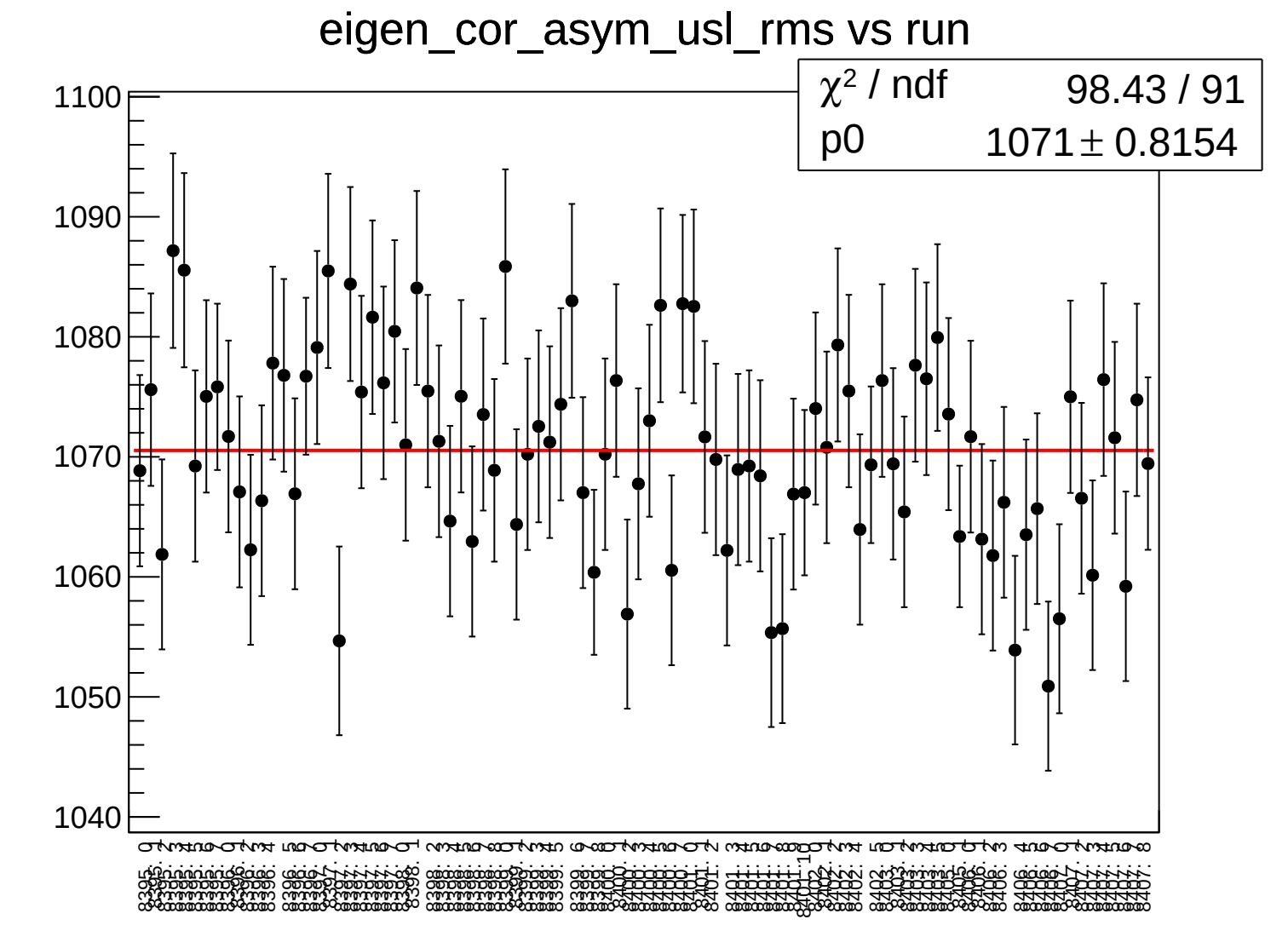

overload_cor_asym_usl_rms vs run
χ² / ndf 98.22 / 91
p0 1070 ± 0.815
1090
1080
1070
1060
1050
1040

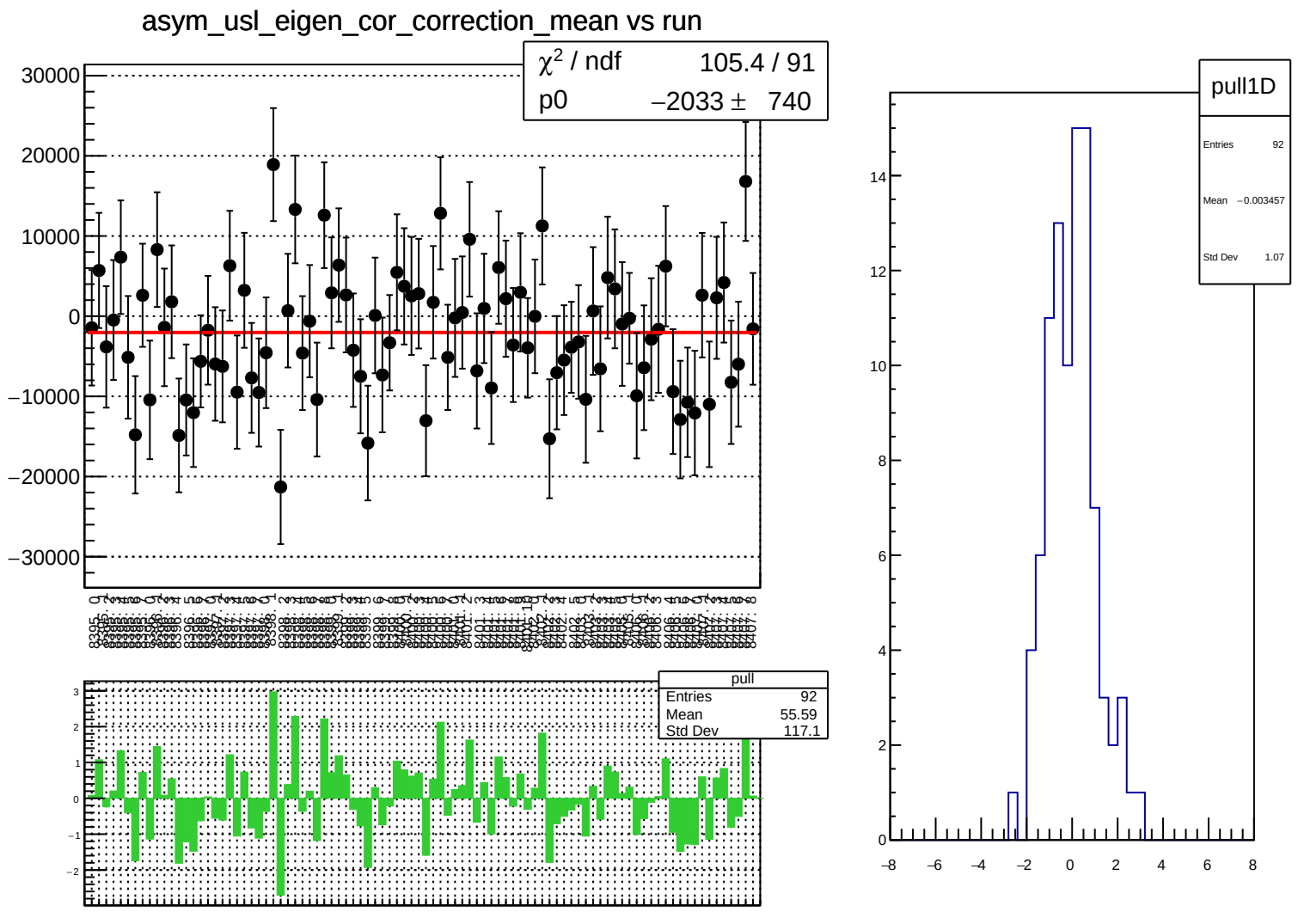

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 104.7 / 91
p0 −2011 ± 740.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 30.03
Std Dev 121.6
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003028
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

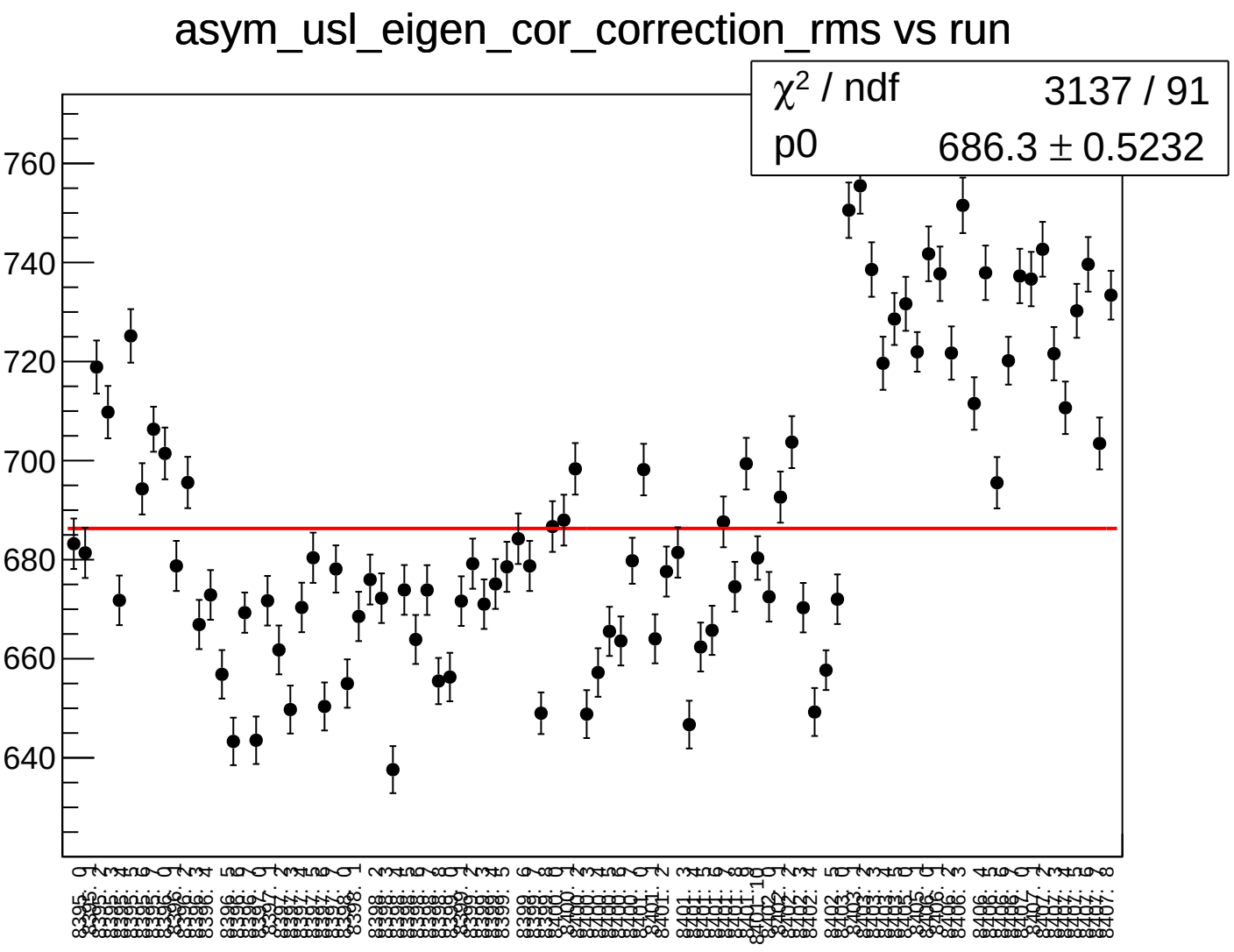

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 3099 / 91
p0 687.2 ± 0.5239
760
740
720
700
680
660
640

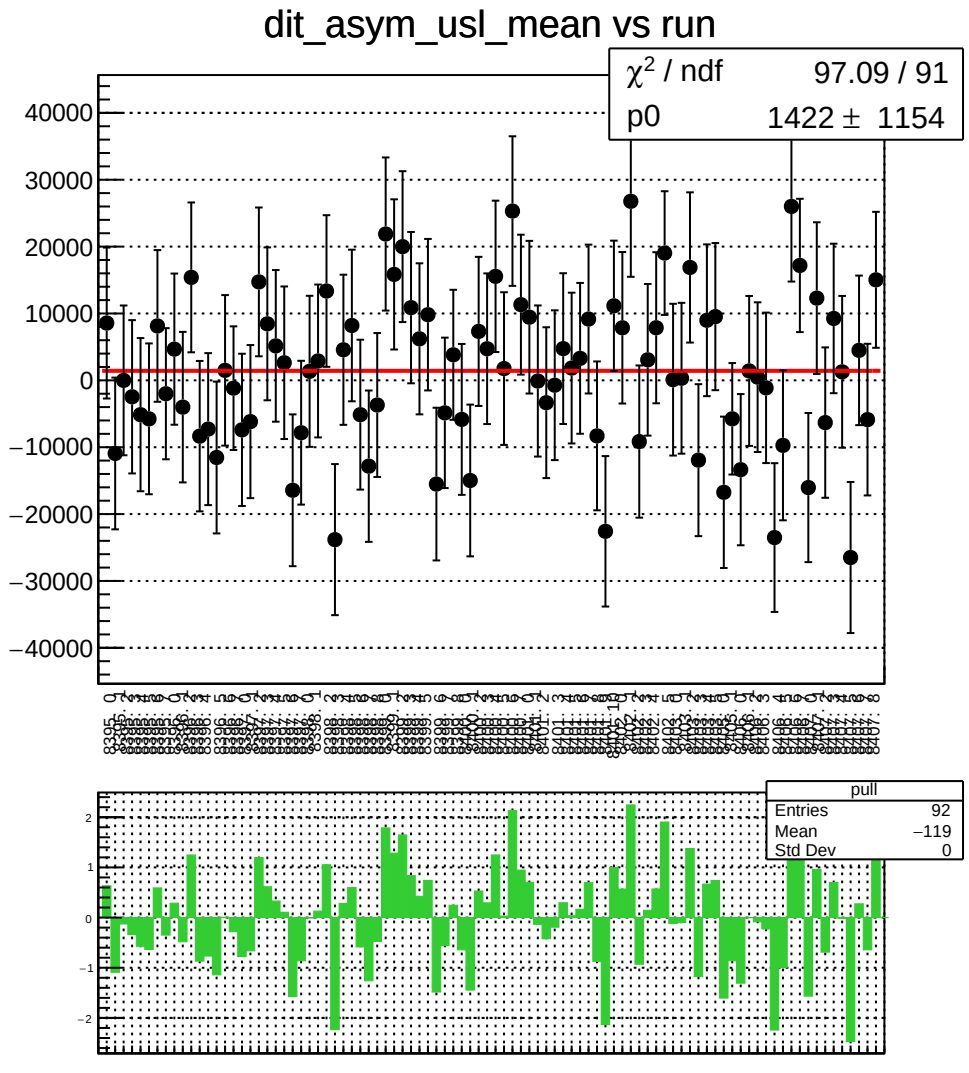

eigen_cor_asym_usl_mean vs run
χ² / ndf 98.19 / 91
p0 1469 ± 1153
pull
Entries 92
Mean −114.5
Std Dev 0

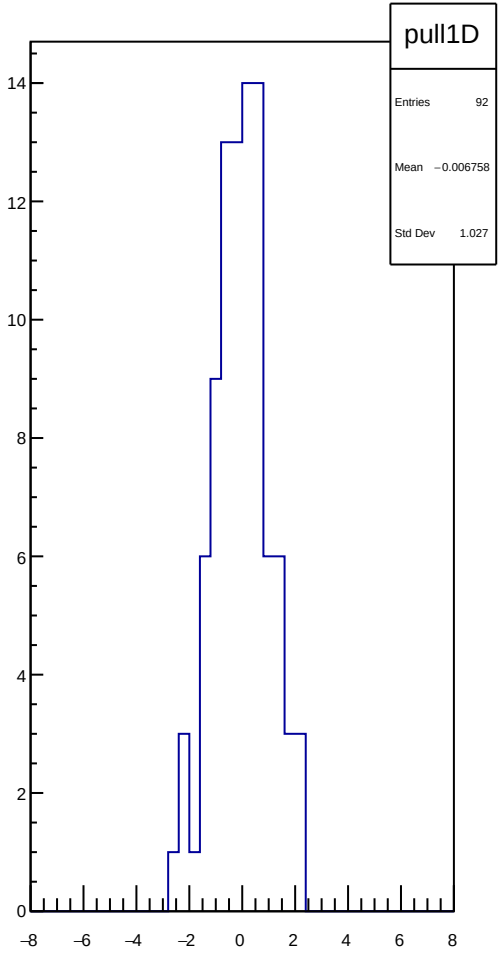

pull1D
Entries 92
Mean −0.006973
Std Dev 1.033

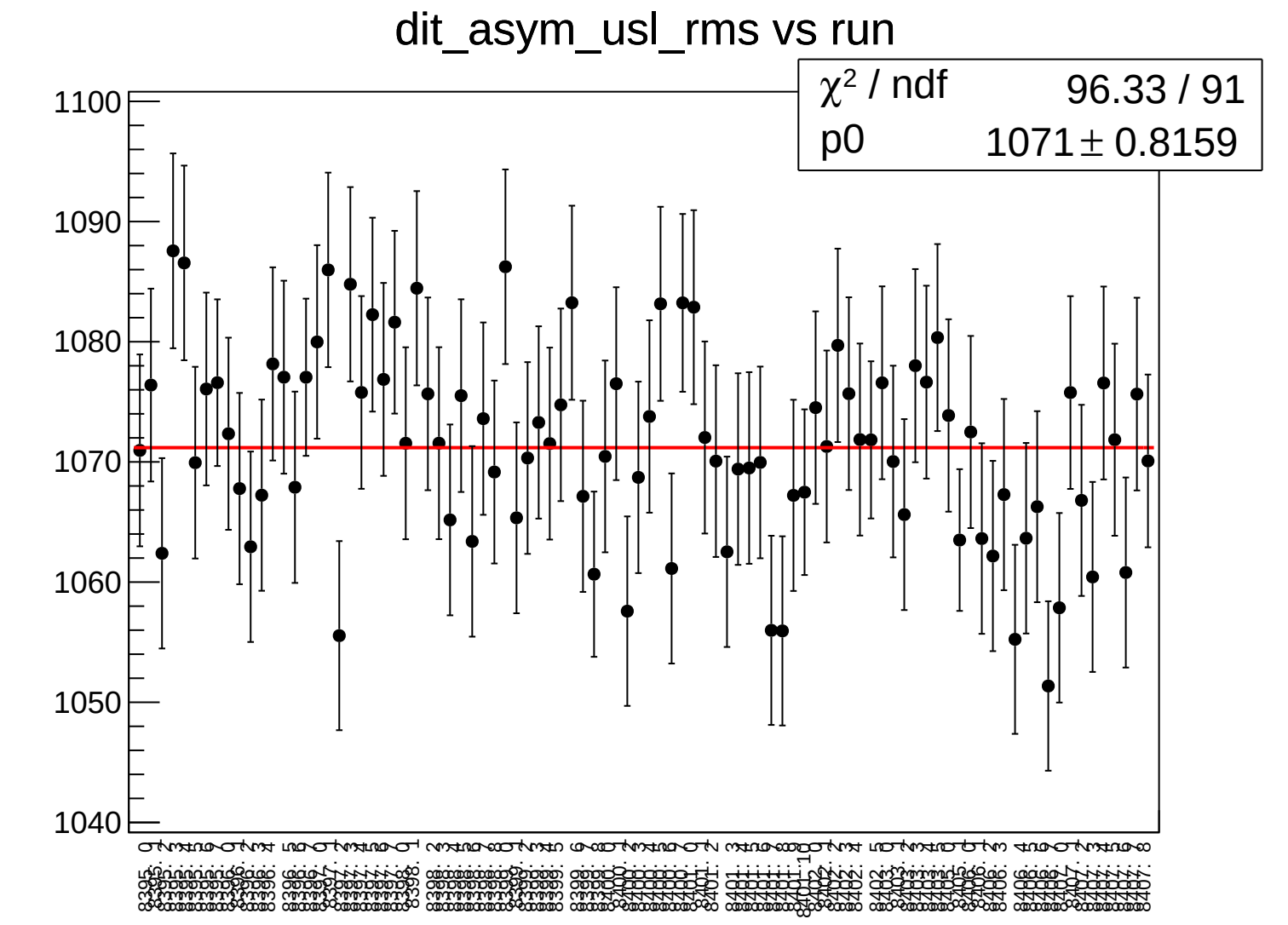

eigen_cor_asym_usl_rms vs run
χ² / ndf 98.43 / 91
p0 1071 ± 0.8154
1100
1090
1080
1070
1060
1050
1040

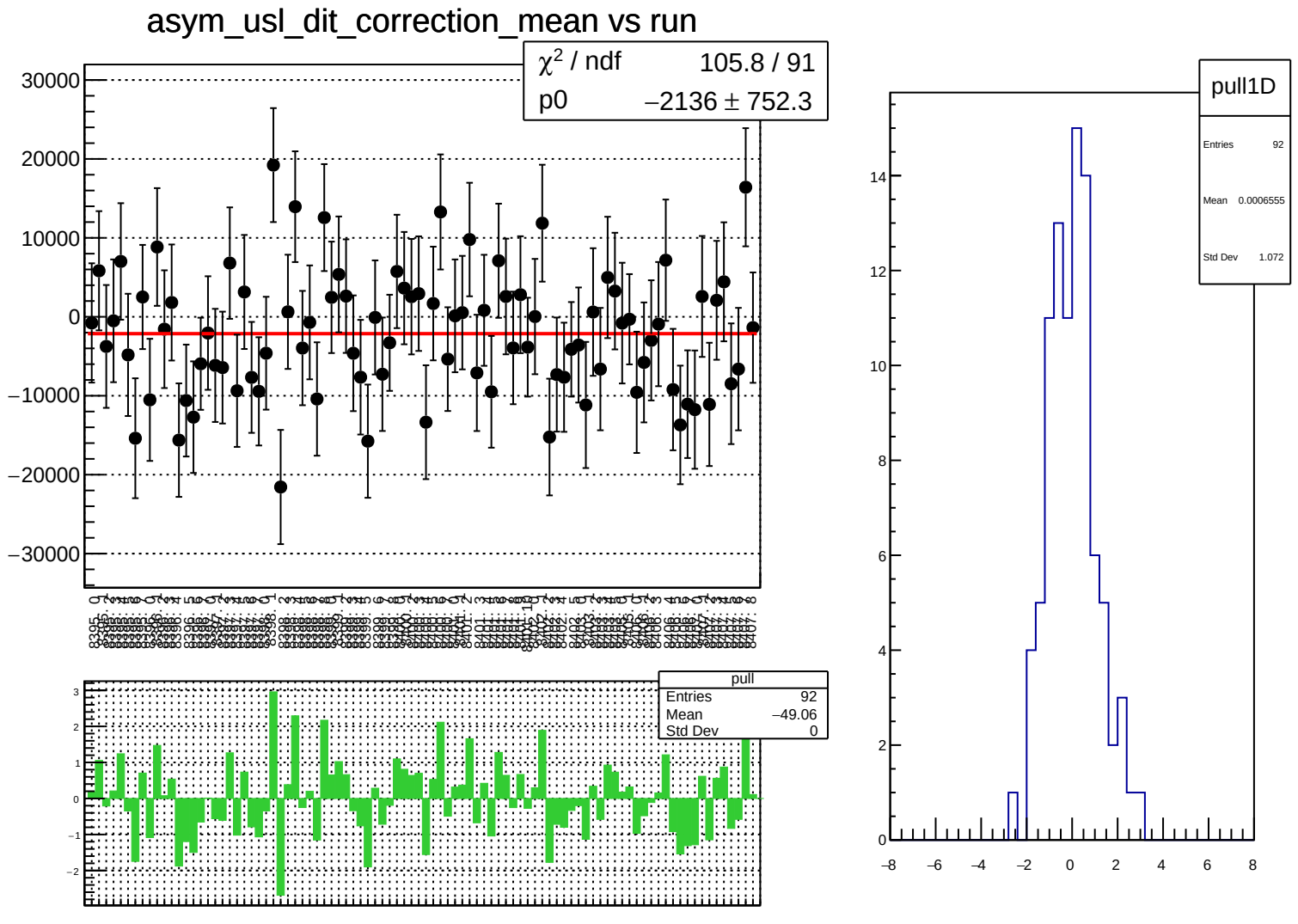

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 105.4 / 91
p0 −2033 ± 740
pull
Entries 92
Mean 55.59
Std Dev 117.1
pull1D
Entries 92
Mean −0.003457
Std Dev 1.07

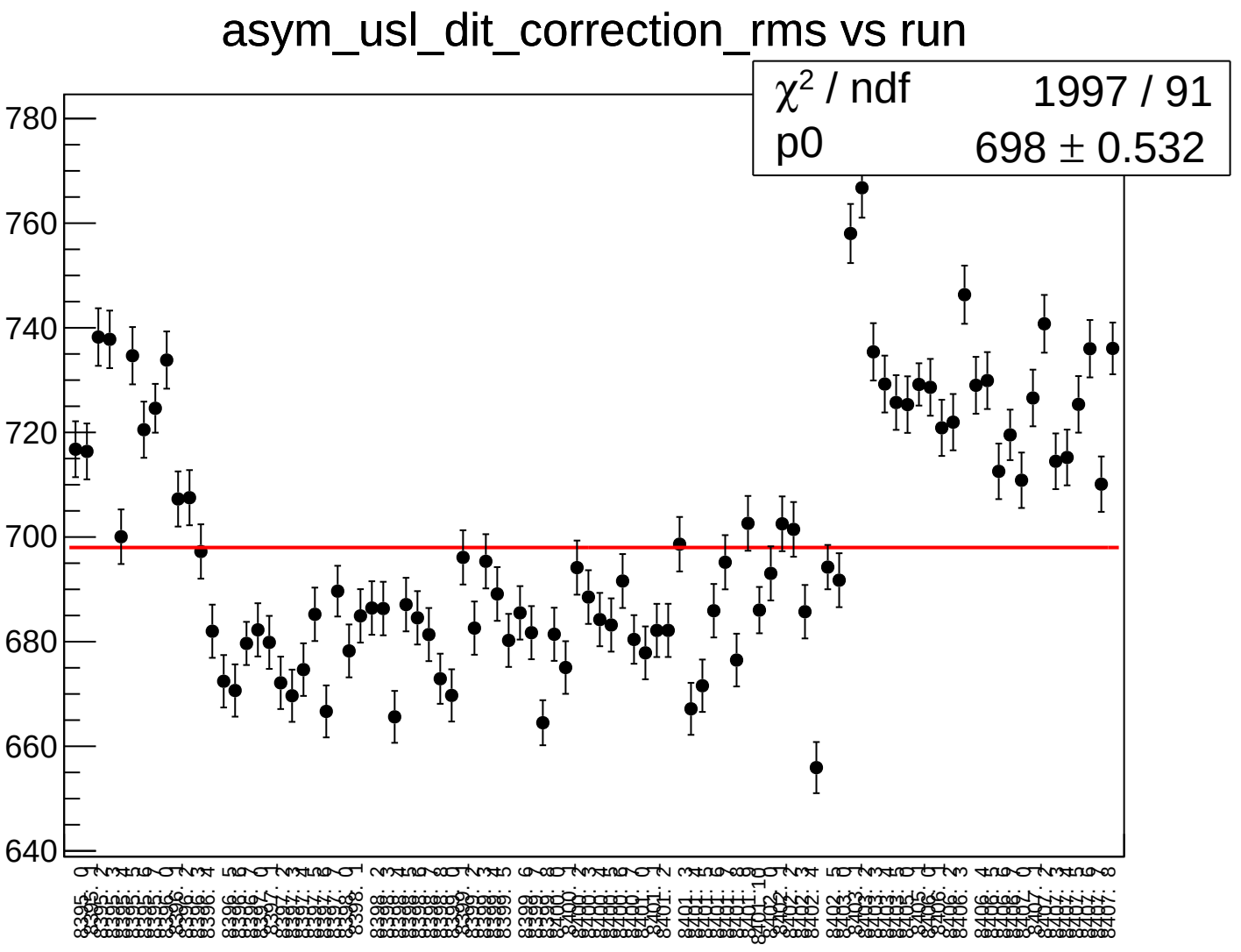

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 3137 / 91
p0 686.3 ± 0.5232
760
740
720
700
680
660
640

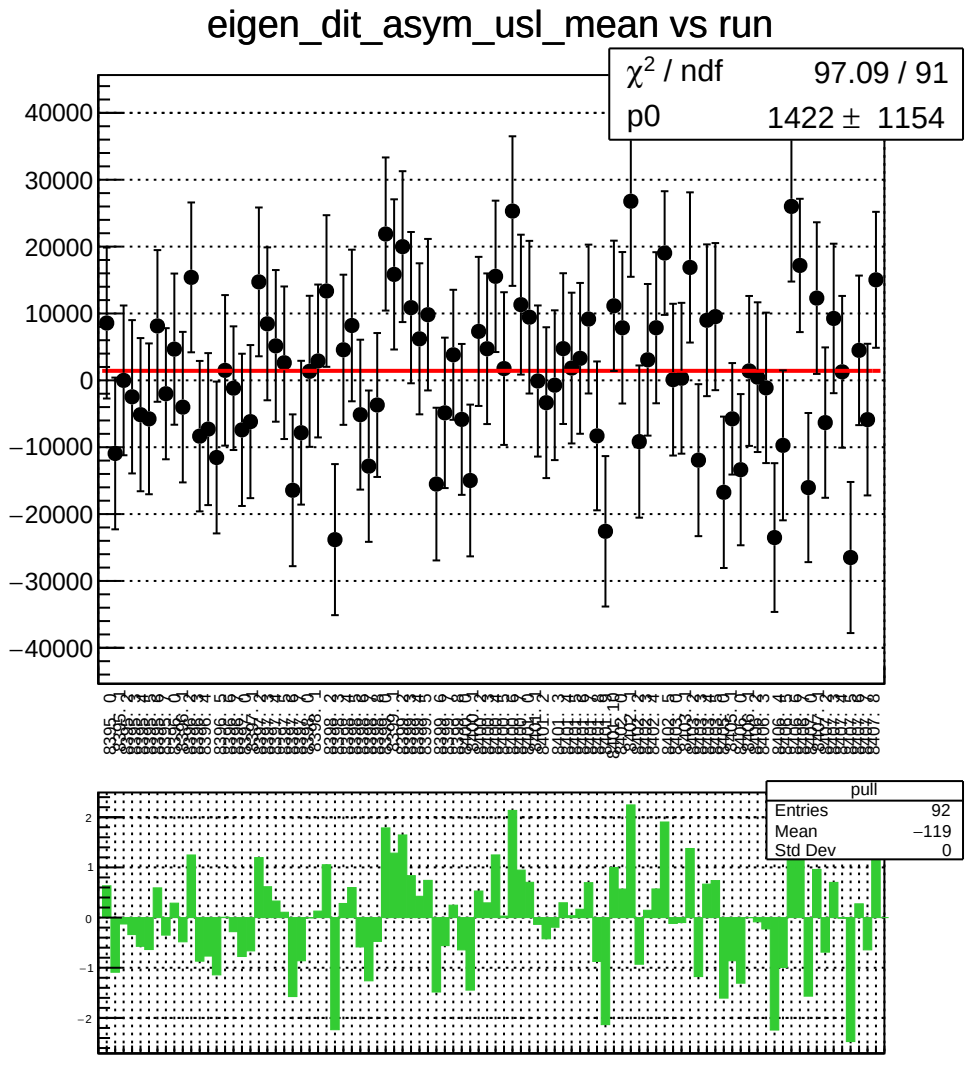

dit_asym_usl_mean vs run
χ² / ndf 97.09 / 91
p0 1422 ± 1154
pull
Entries 92
Mean −119
Std Dev 0

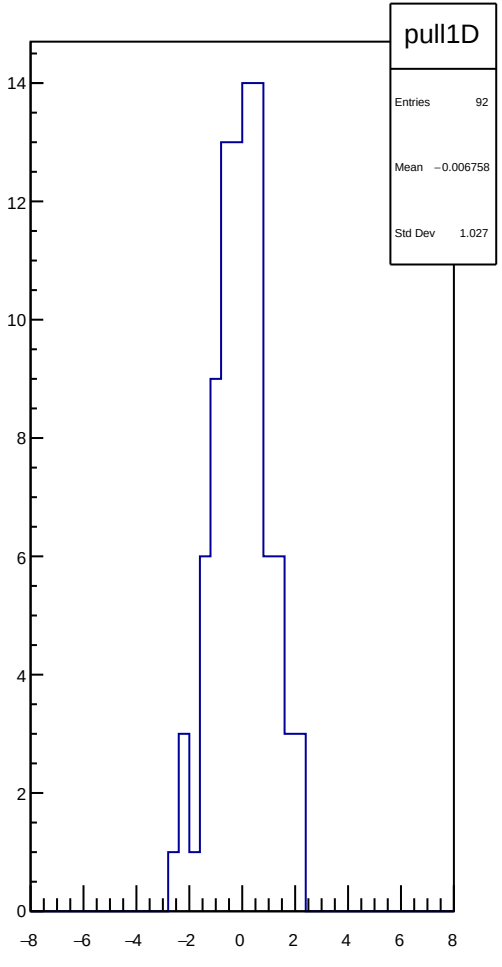

pull1D
Entries 92
Mean −0.006758
Std Dev 1.027

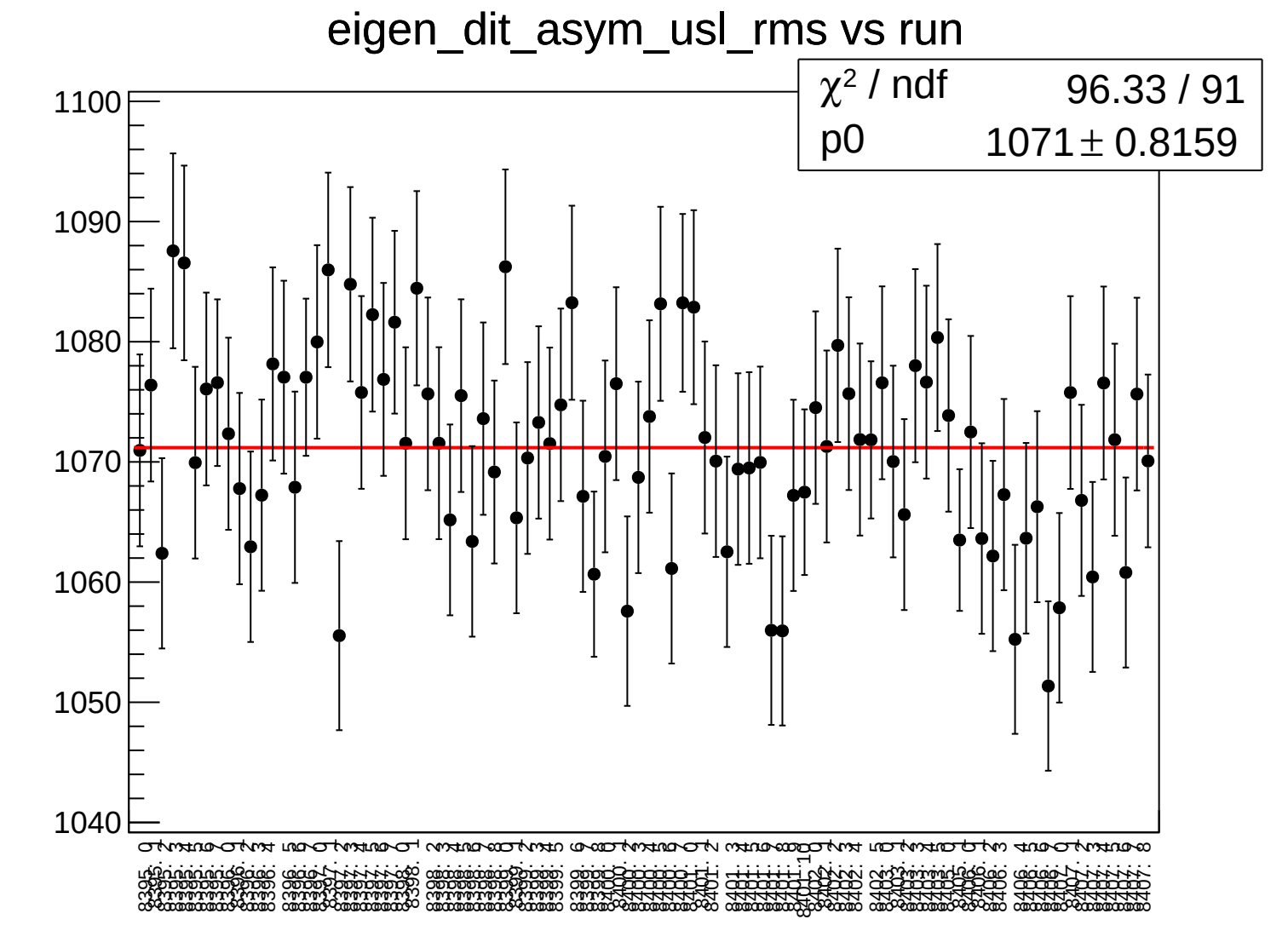

dit_asym_usl_rms vs run
$\chi^2$ / ndf 96.33 / 91
p0 1071 ± 0.8159
1100
1090
1080
1070
1060
1050
1040

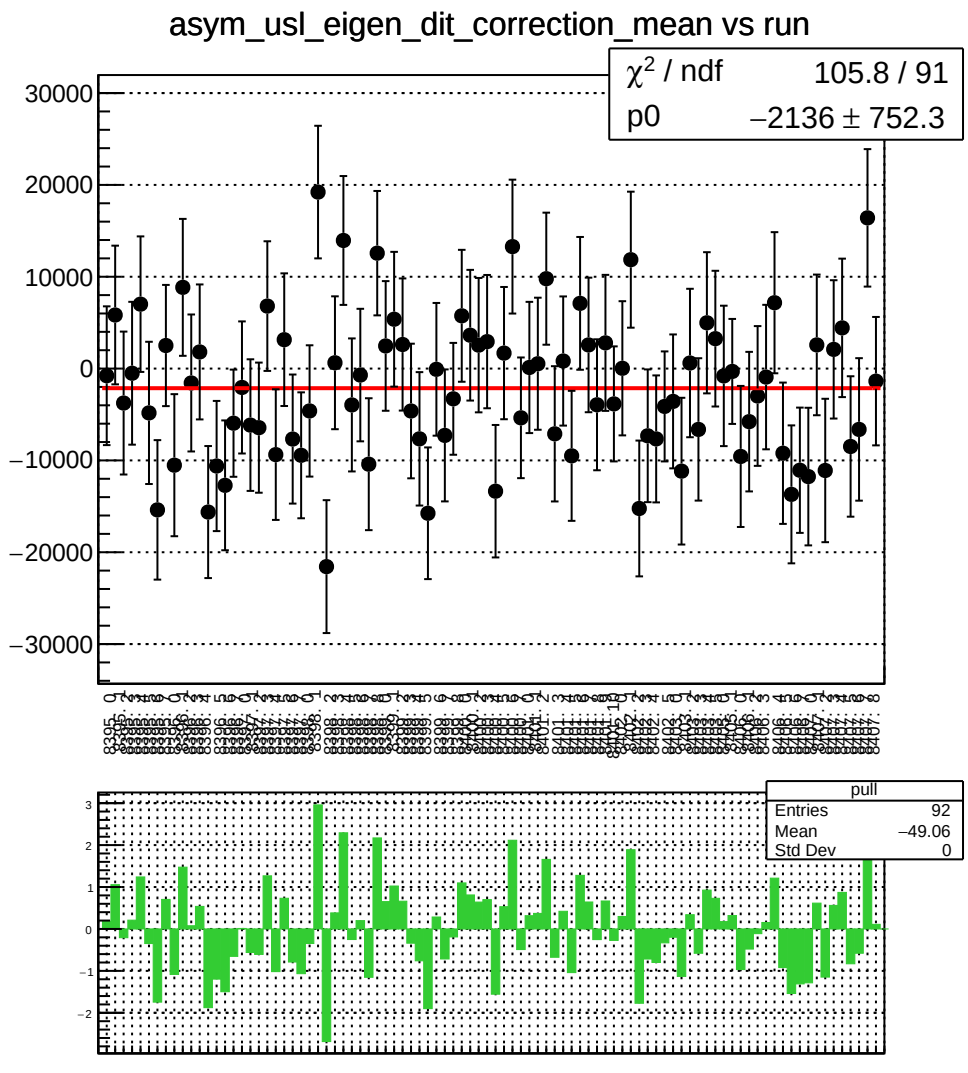

asym_usl_dit_correction_mean vs run
χ² / ndf 105.8 / 91
p0 −2136 ± 752.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −49.06
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.0006555
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

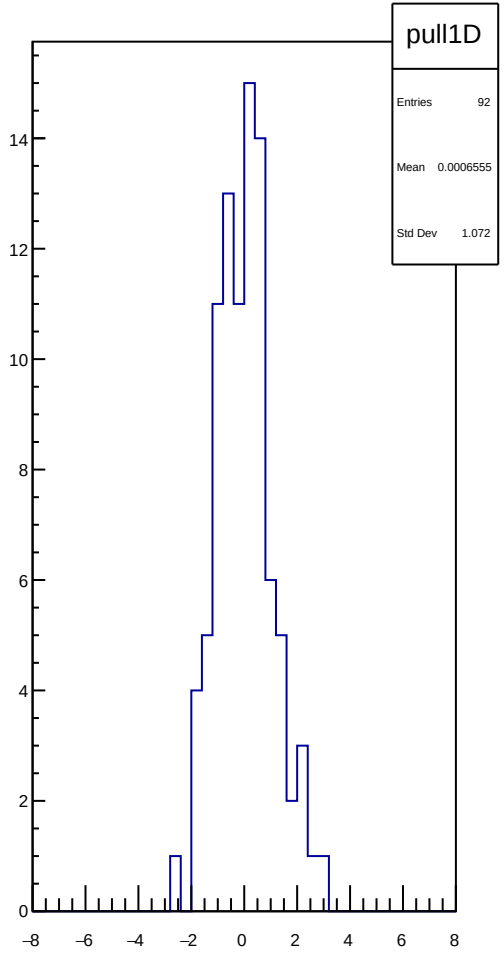

asym_usl_dit_correction_rms vs run
χ² / ndf 1997 / 91
p0 698 ± 0.532
780
760
740
720
700
680
660
640

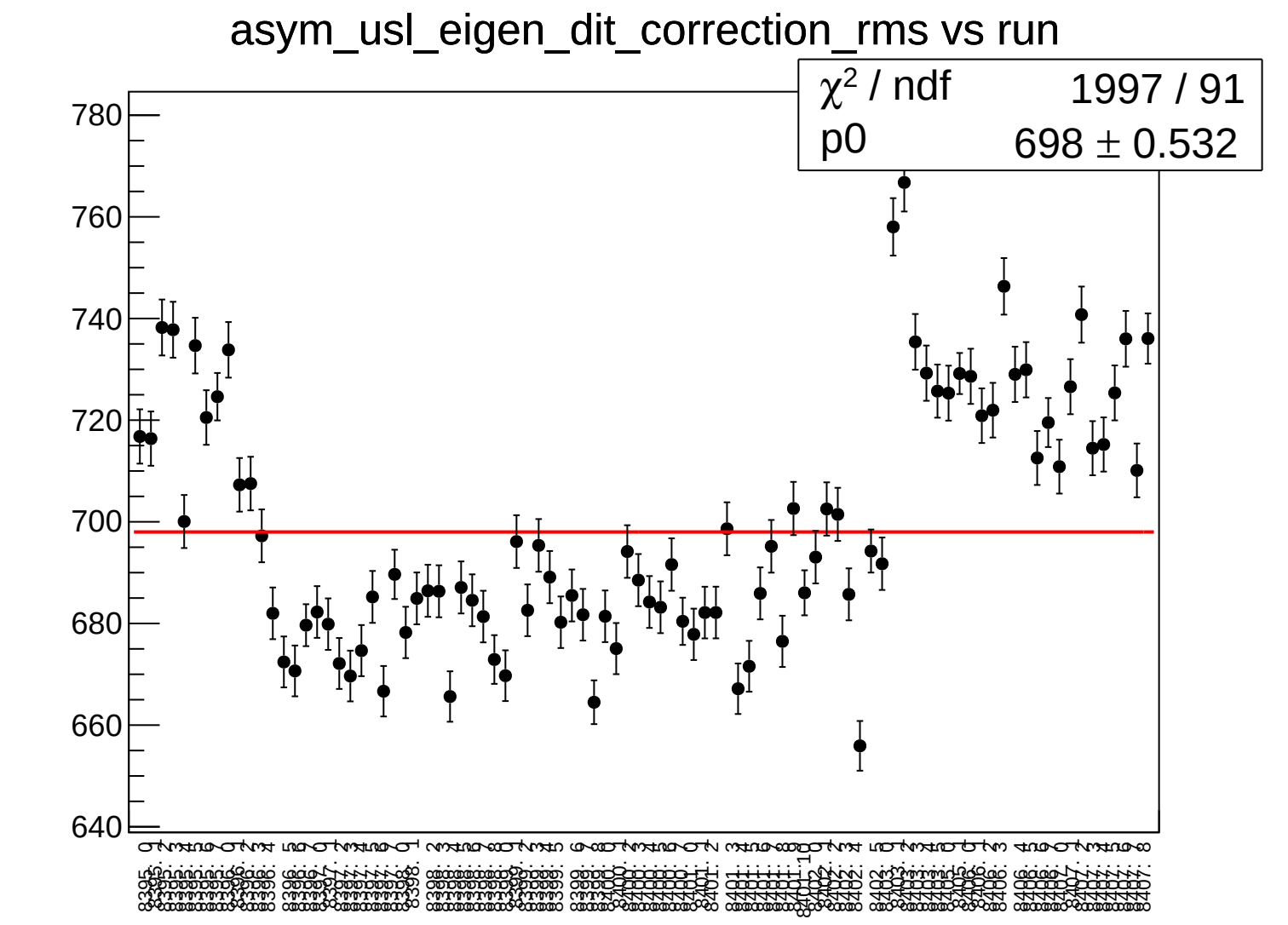

eigen_dit_asym_usl_mean vs run
χ² / ndf 97.09 / 91
p0 1422 ± 1154
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean −119
Std Dev 0
2
1
0
−1
−2

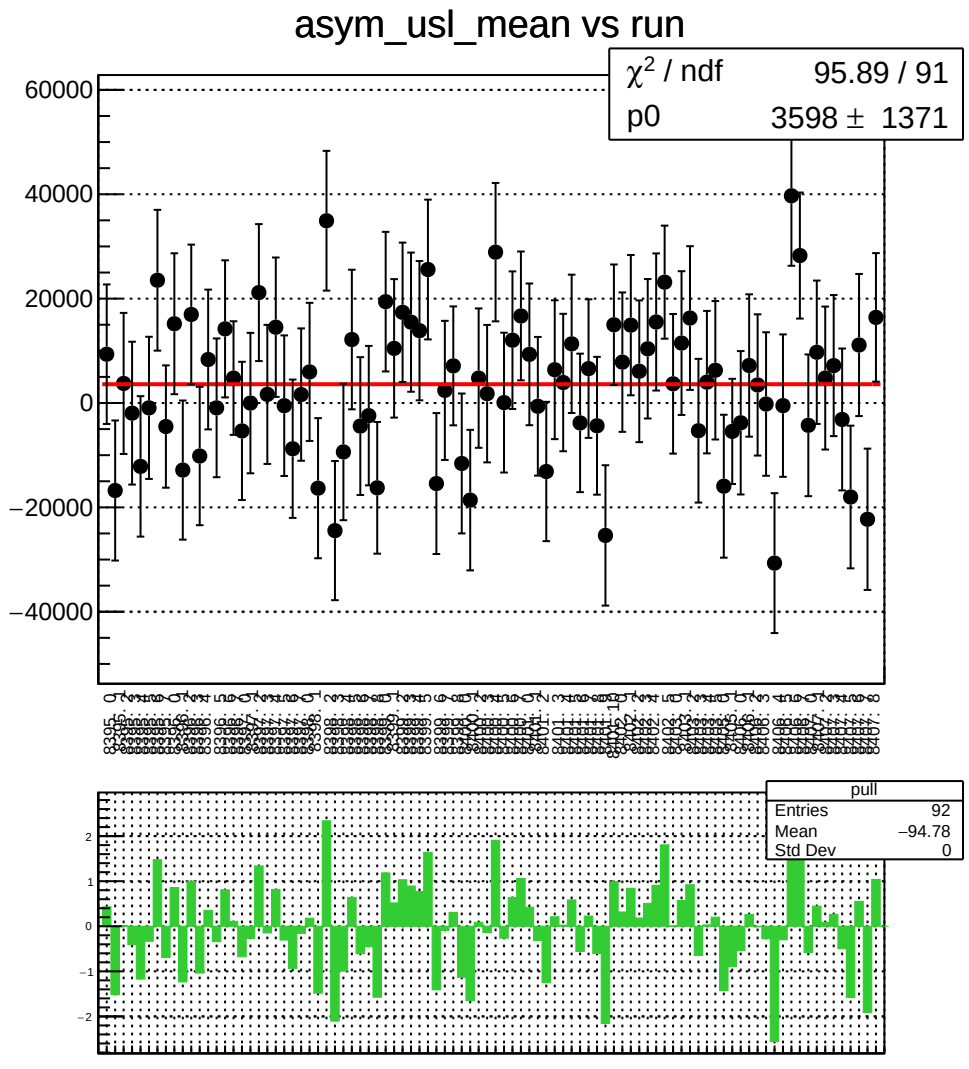

pull1D
Entries 92
Mean −0.006758
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

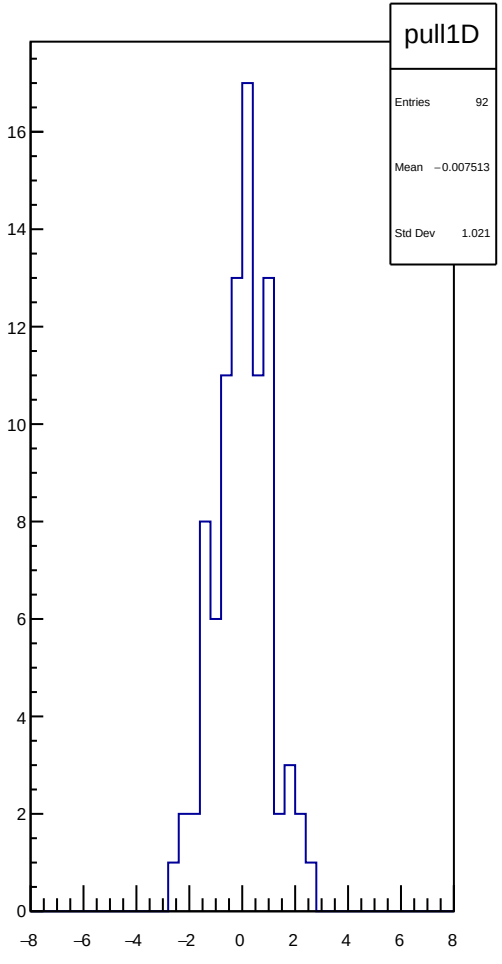

eigen_dit_asym_usl_rms vs run
χ² / ndf 96.33 / 91
p0 1071 ± 0.8159
1100
1090
1080
1070
1060
1050
1040

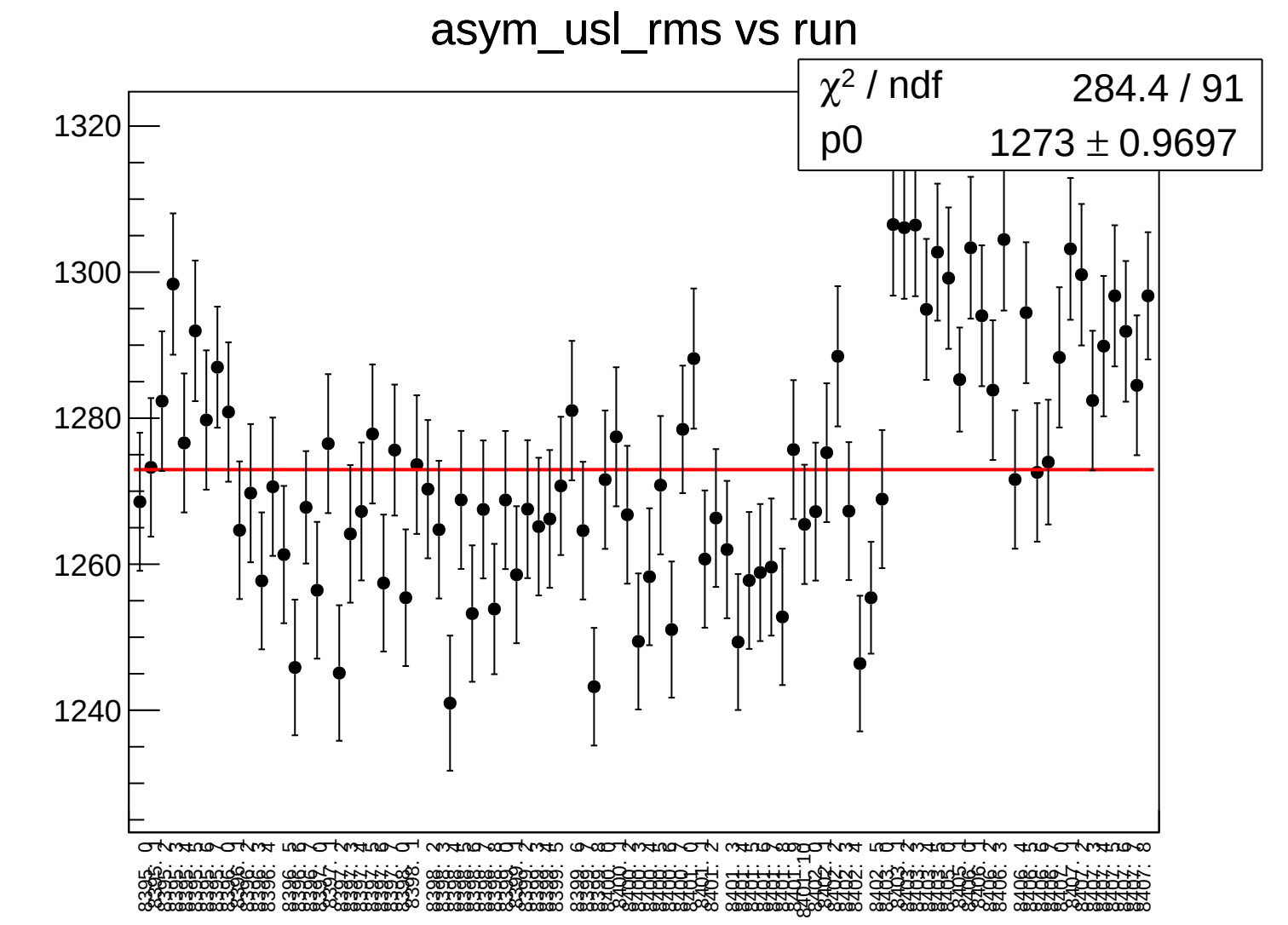

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 105.8 / 91
p0 −2136 ± 752.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −49.06
Std Dev 0
3
2
1
0
−1
−2

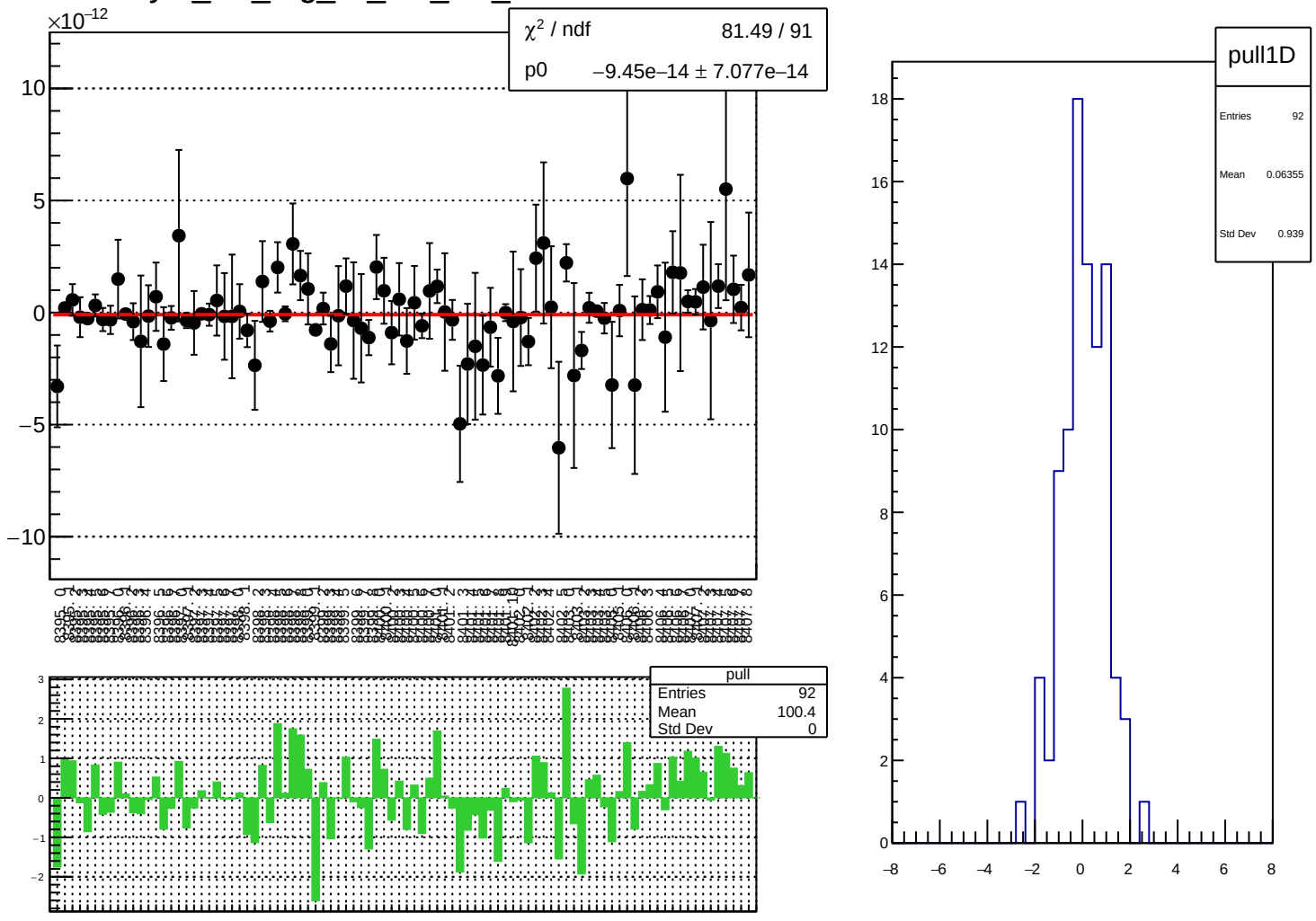

pull1D
Entries 92
Mean 0.0006555
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

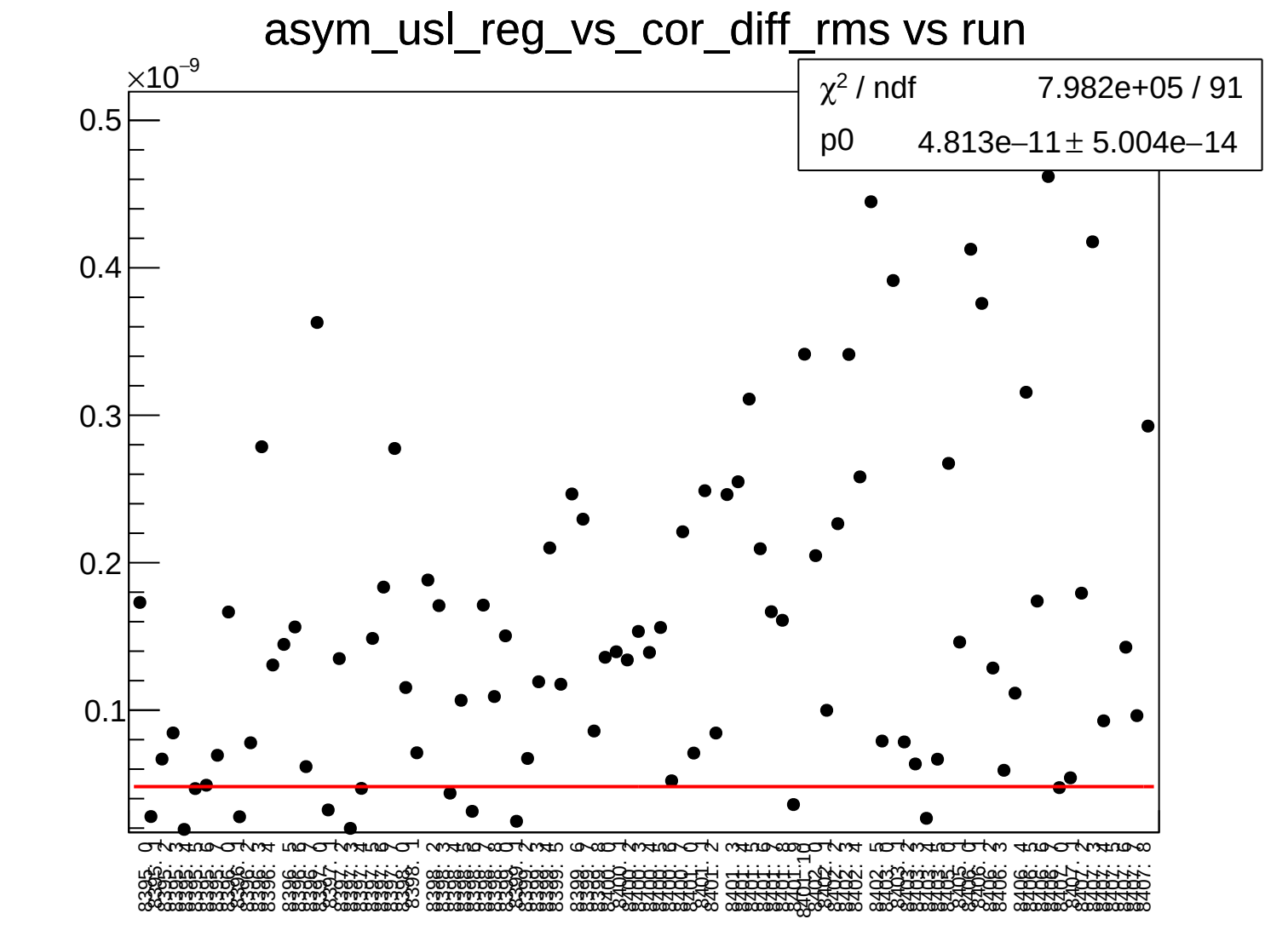

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 1997 / 91
p0 698 ± 0.532
780
760
740
720
700
680
660
640

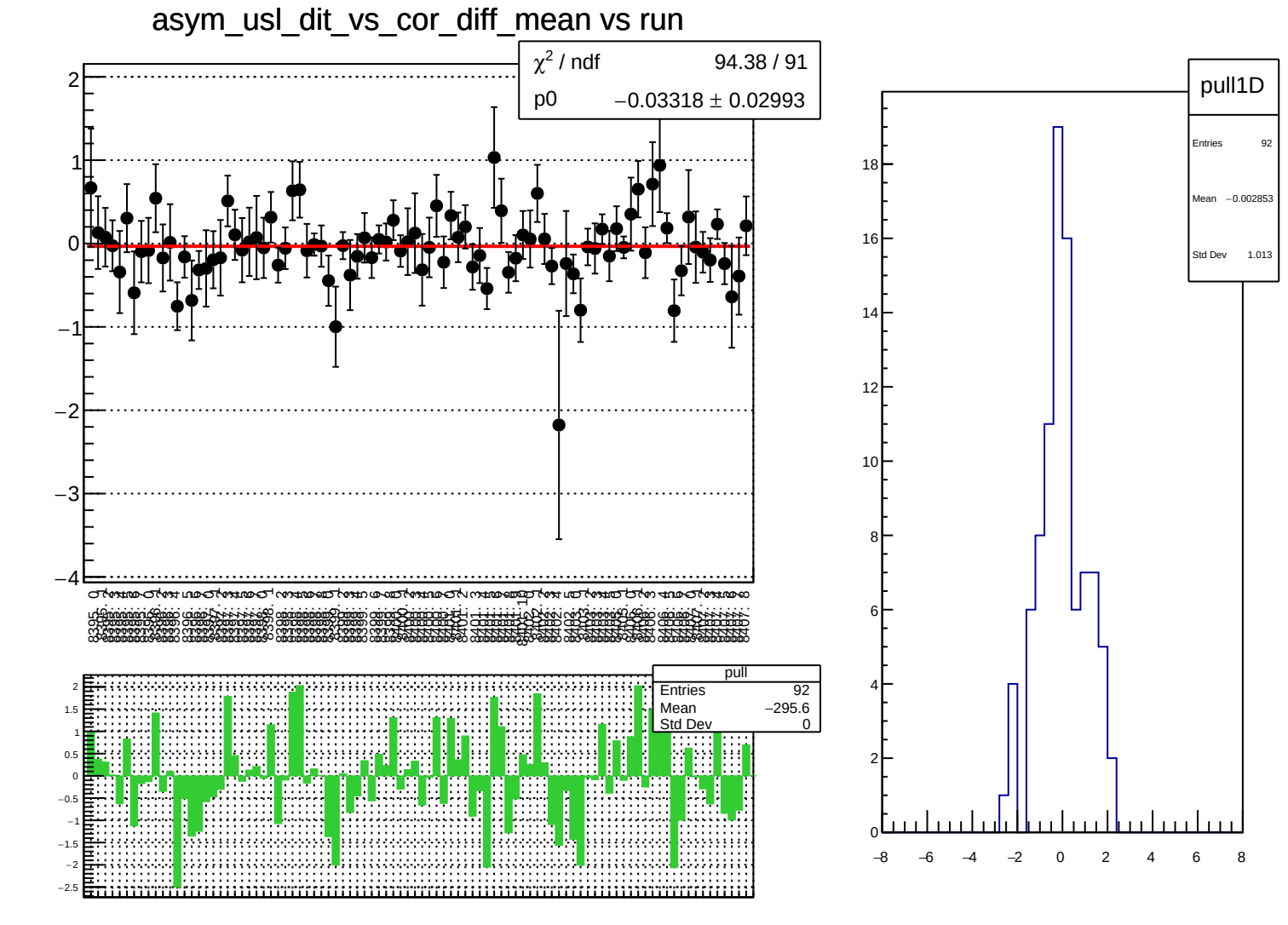

asym_usl_mean vs run
χ² / ndf 95.89 / 91
p0 3598 ± 1371
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.78
Std Dev 0
2
1
0
−1
−2

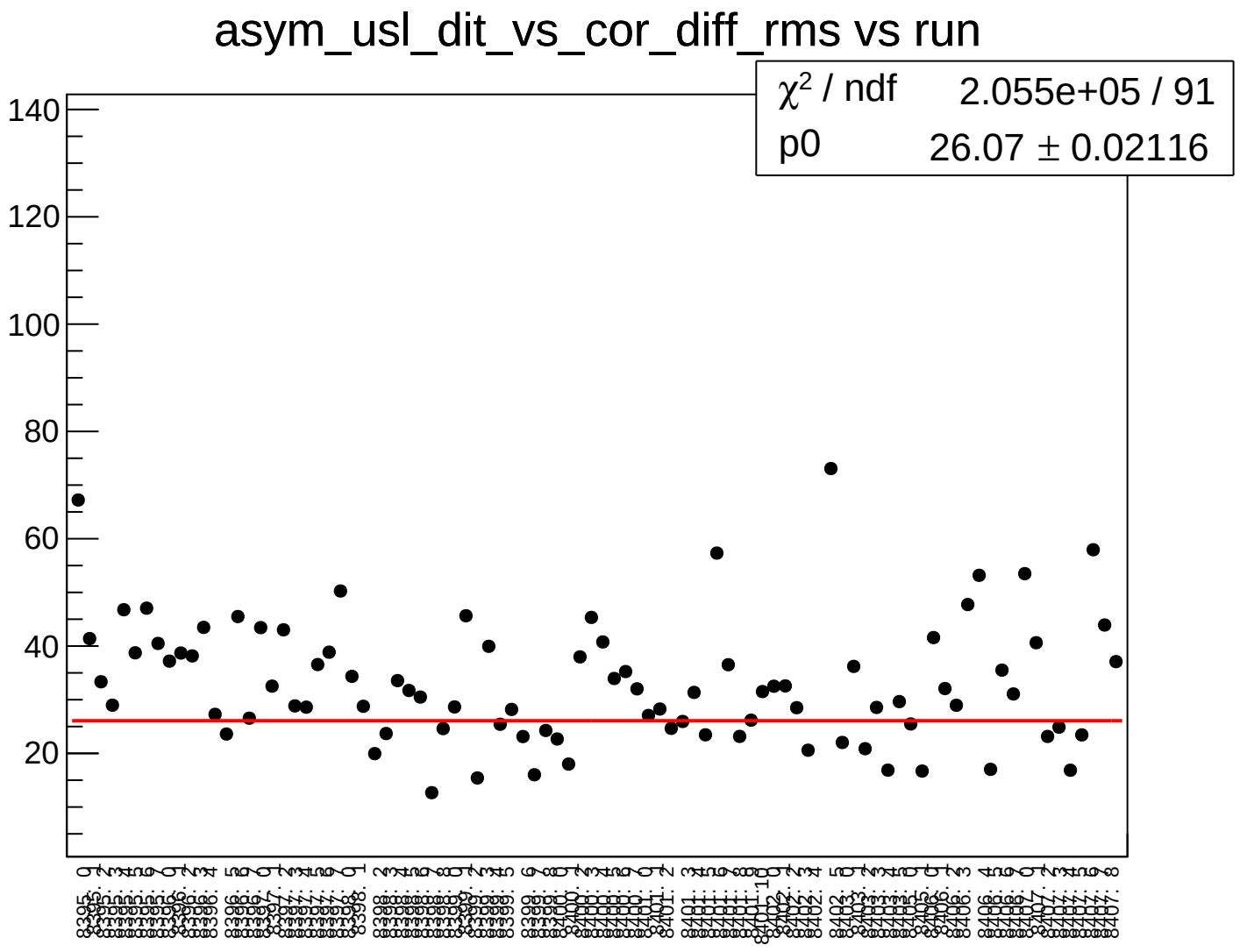

pull1D
Entries 92
Mean −0.007513
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

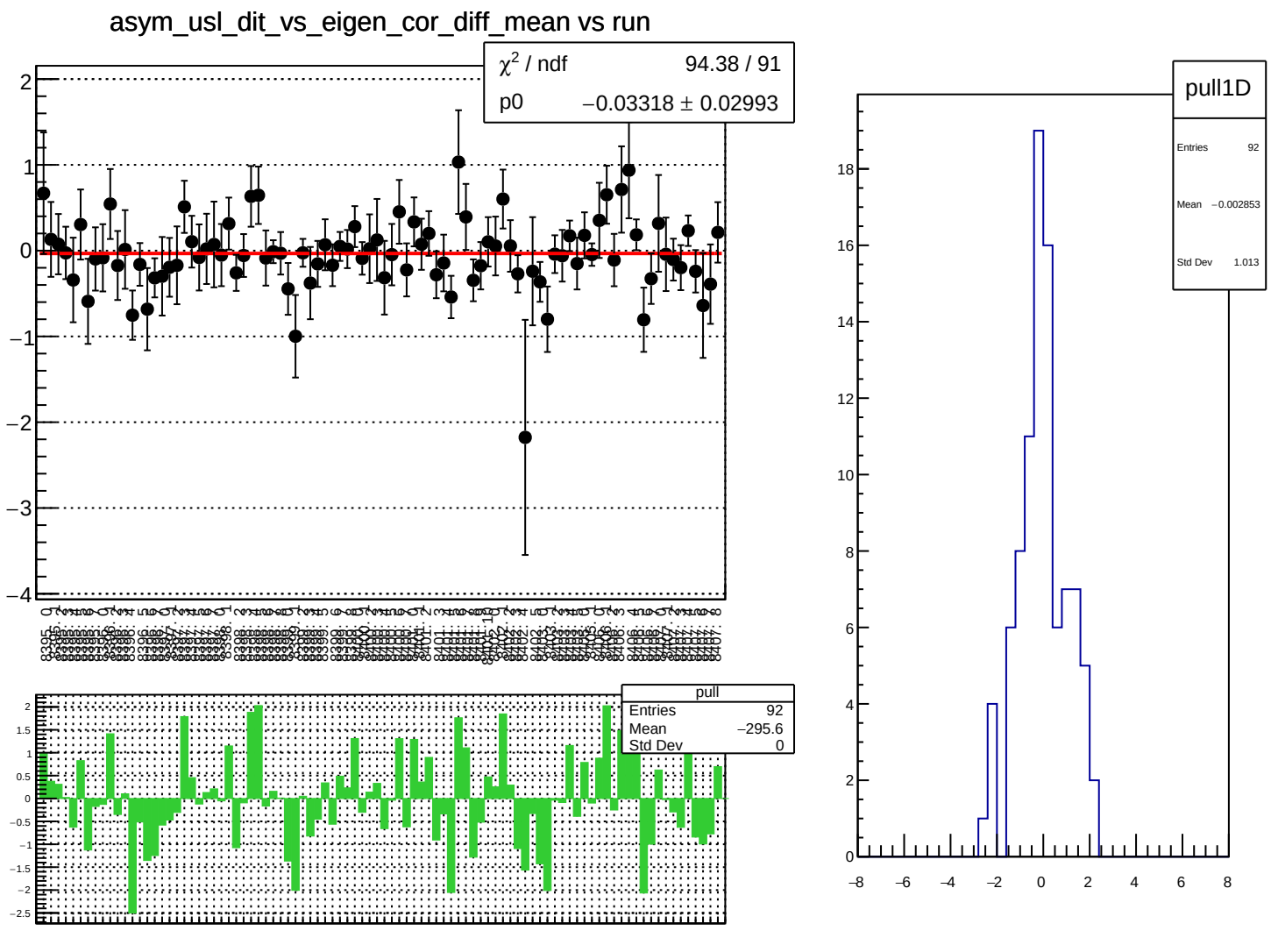

asym_usl_rms vs run
χ² / ndf 284.4 / 91
p0 1273 ± 0.9697
1320
1300
1280
1260
1240

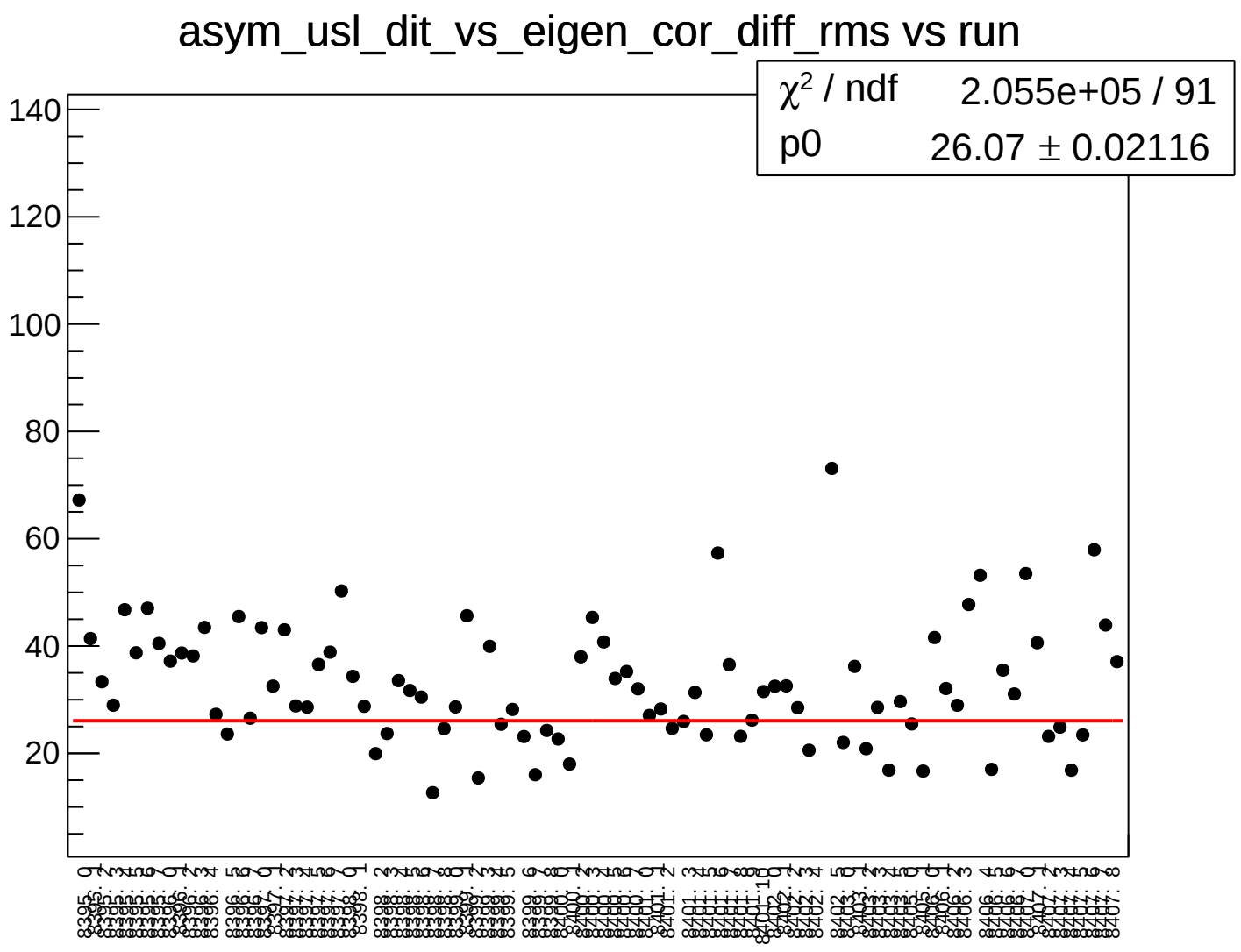

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.49 / 91
p0 −9.45e−14 ± 7.077e−14
10
5
0
−5
−10
pull
Entries 92
Mean 100.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.06355
Std Dev 0.939
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

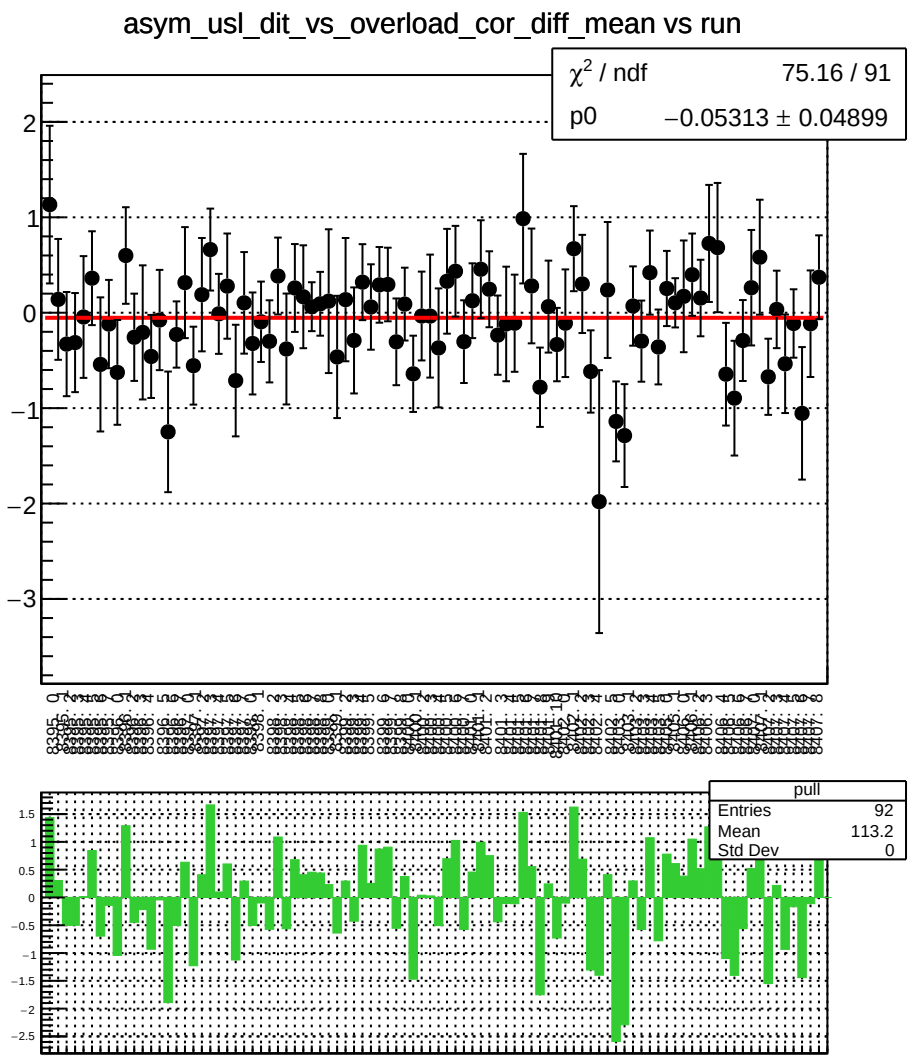

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
χ² / ndf 7.982e+05 / 91
p0 4.813e−11 ± 5.004e−14

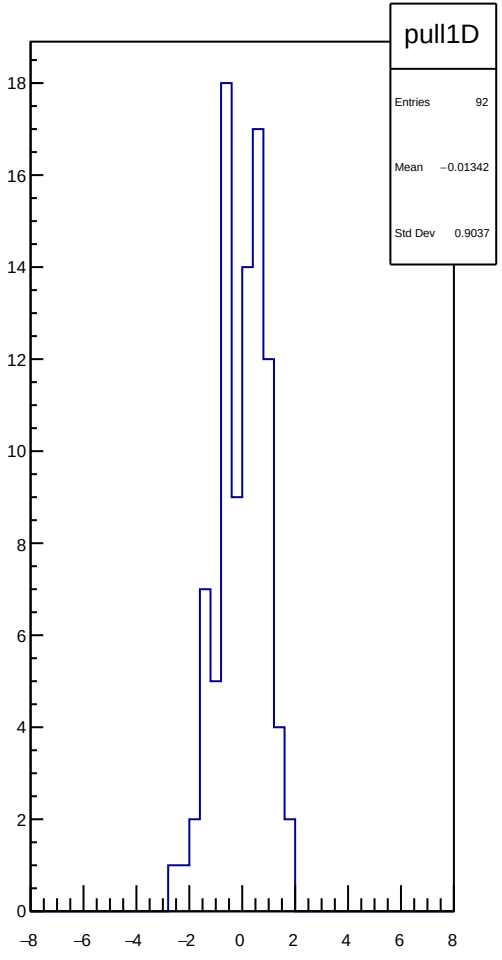

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 94.38 / 91
p0 −0.03318 ± 0.02993
pull
Entries 92
Mean −295.6
Std Dev 0
pull1D
Entries 92
Mean −0.002853
Std Dev 1.013

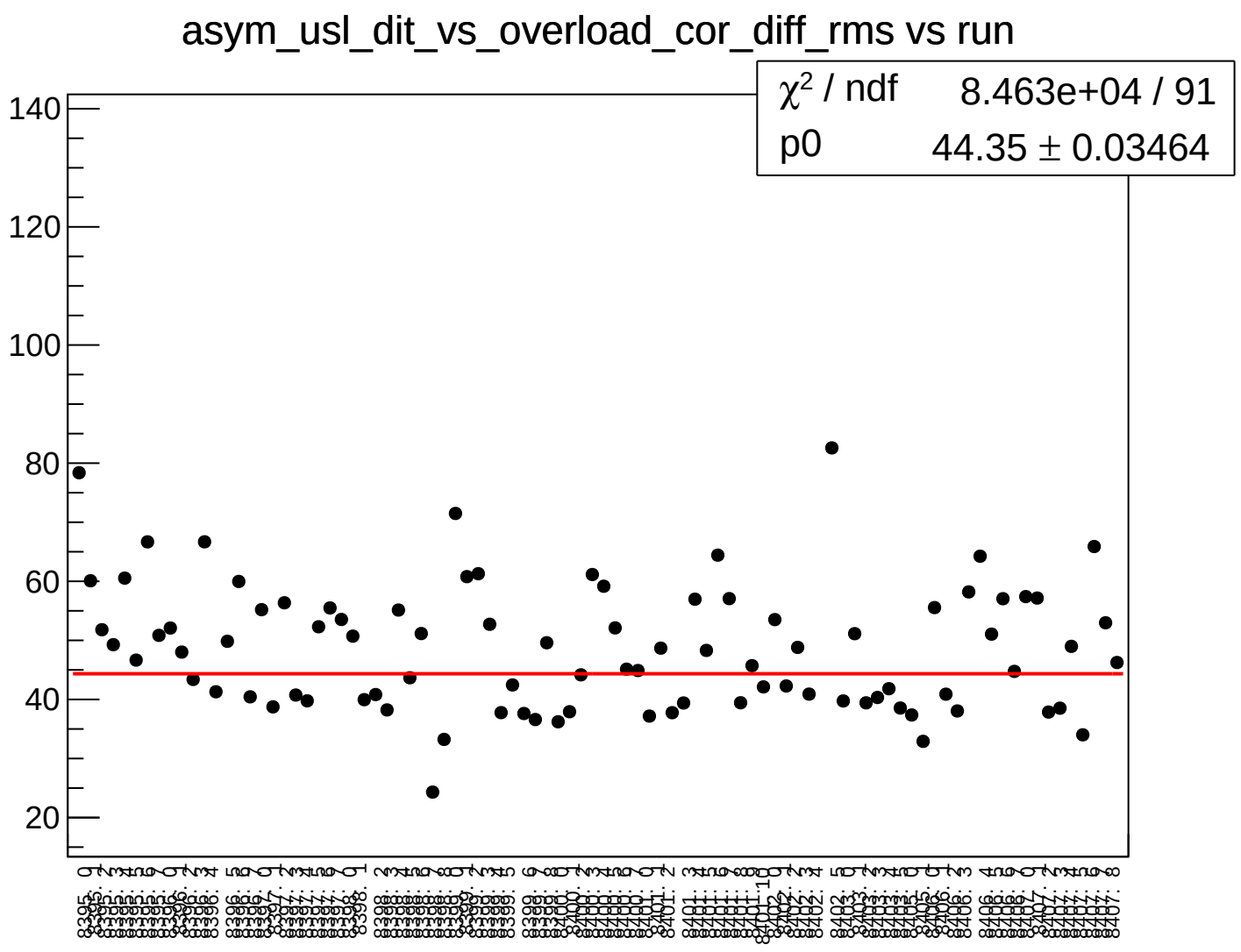

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 2.055e+05 / 91
p0 26.07 ± 0.02116
140
120
100
80
60
40
20

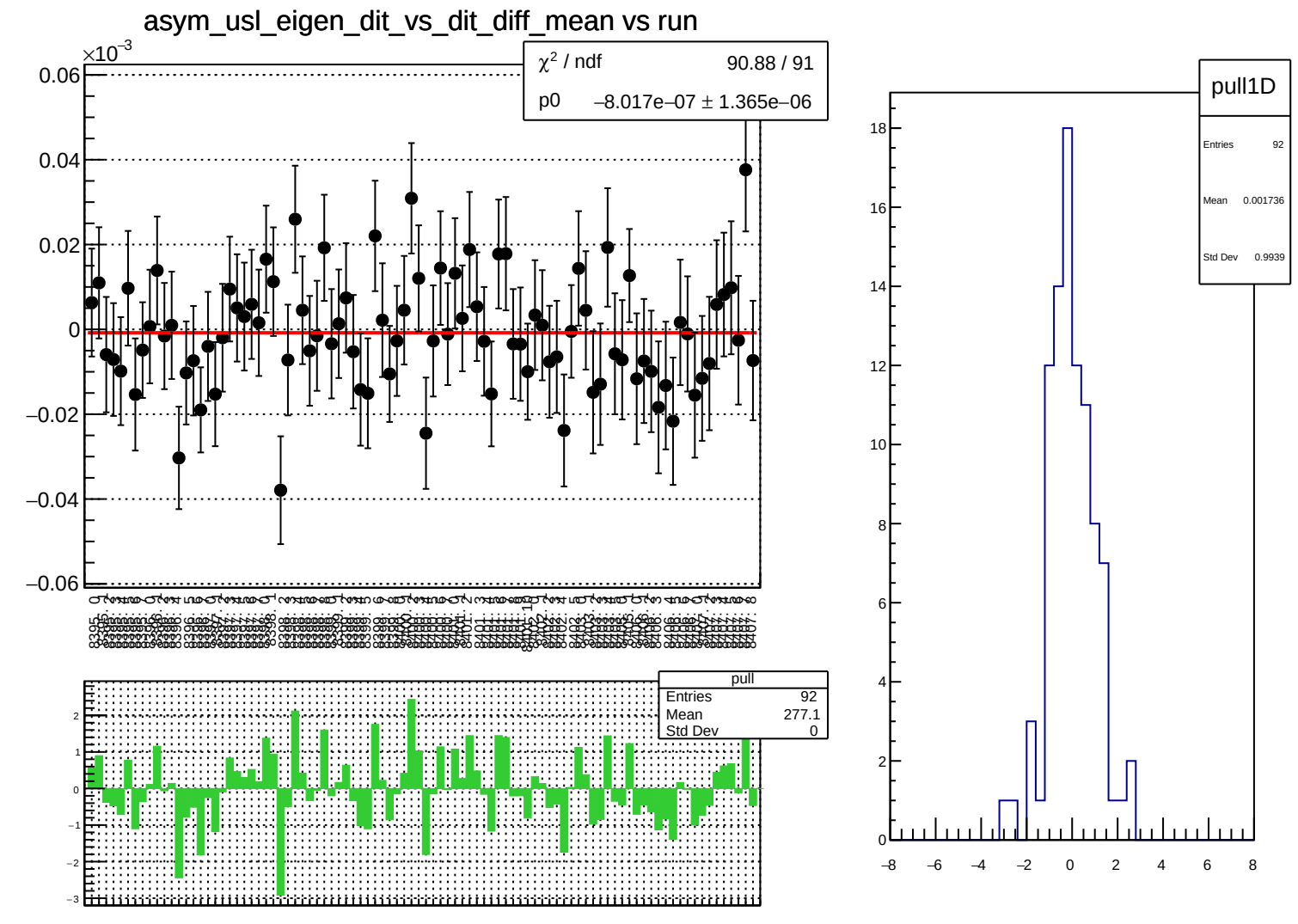

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.38 / 91
p0 −0.03318 ± 0.02993
pull
Entries 92
Mean −295.6
Std Dev 0
pull1D
Entries 92
Mean −0.002853
Std Dev 1.013

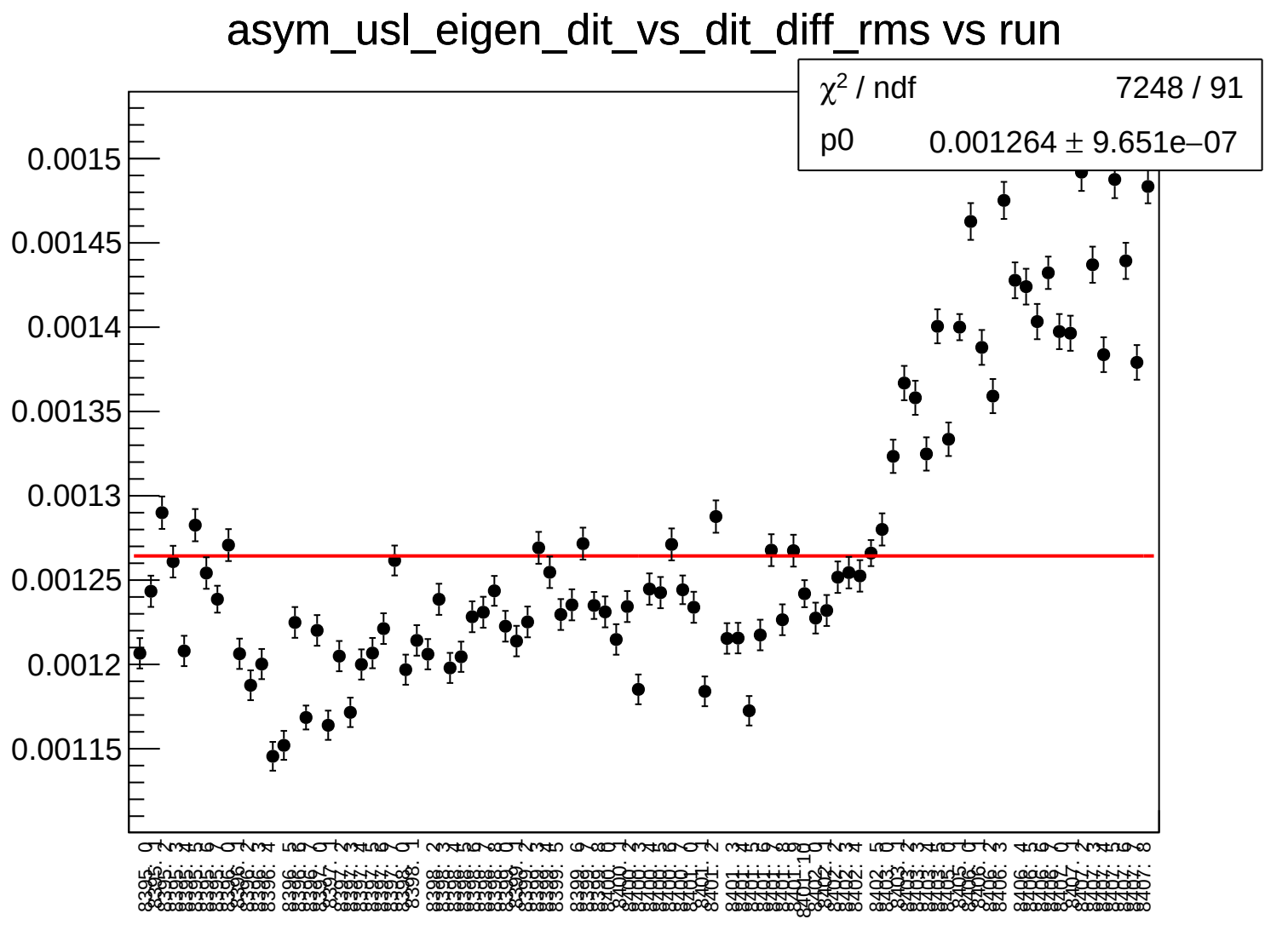

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.055e+05 / 91
p0 26.07 ± 0.02116
140
120
100
80
60
40
20

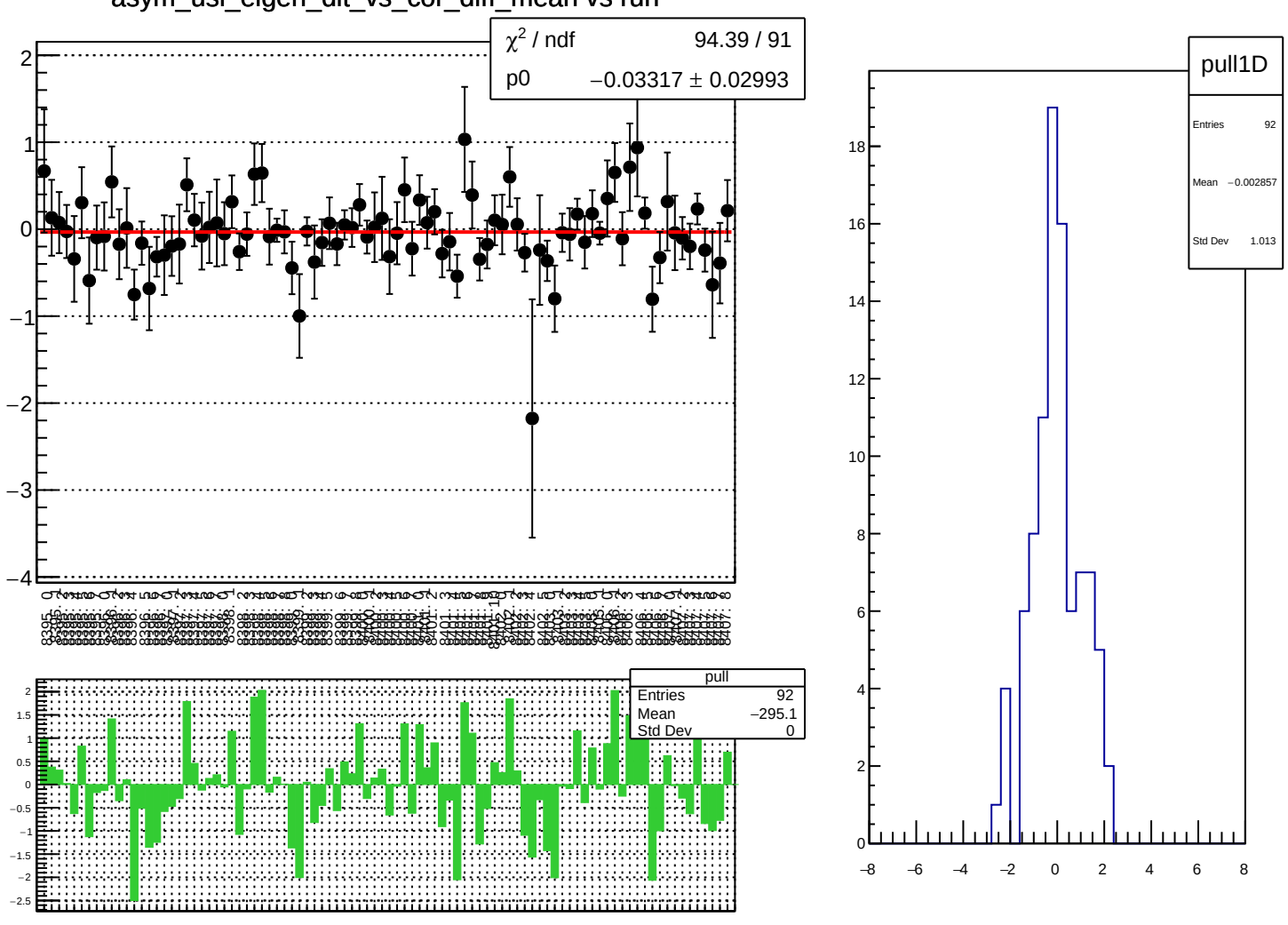

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 75.16 / 91
p0 −0.05313 ± 0.04899
pull
Entries 92
Mean 113.2
Std Dev 0

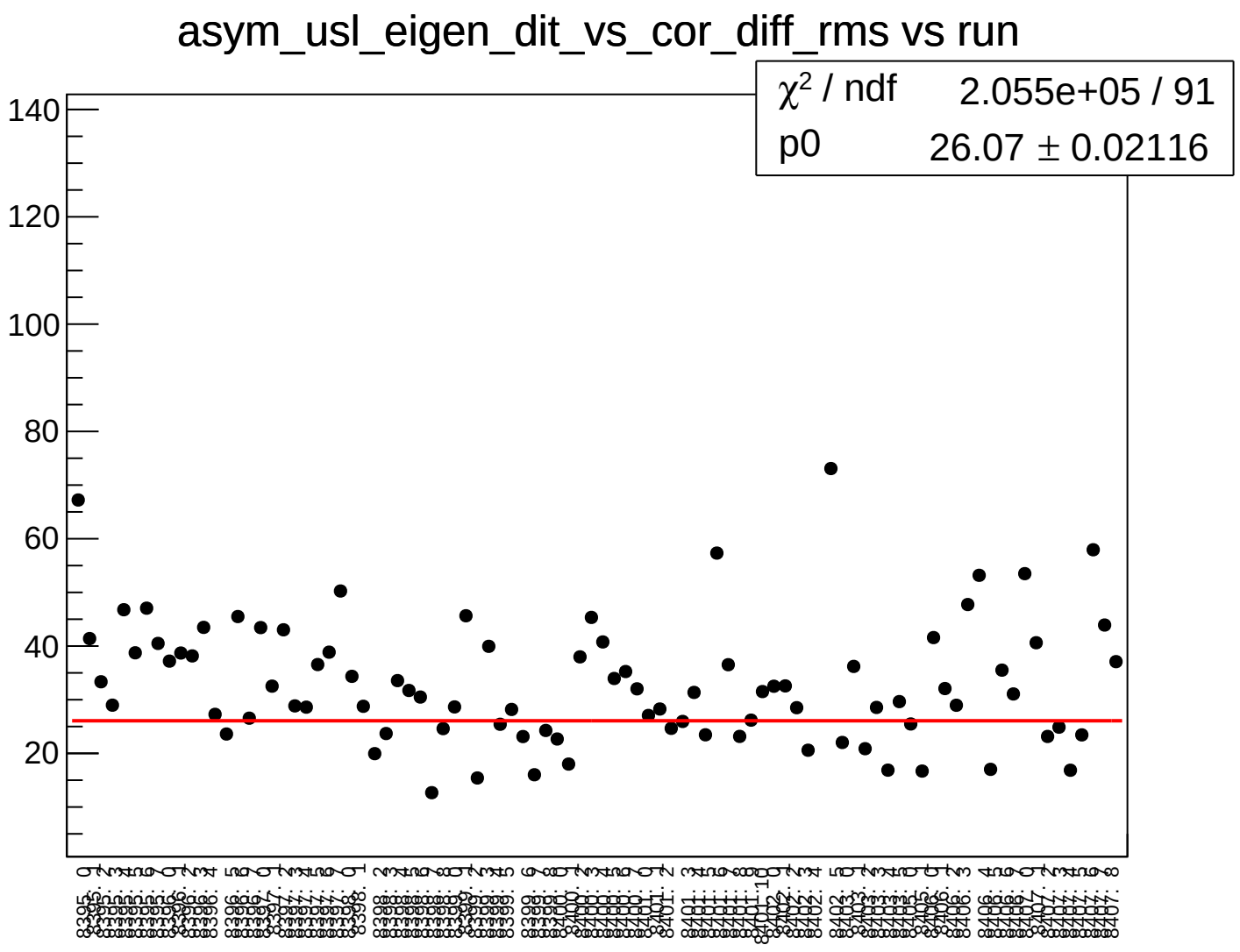

pull1D
Entries 92
Mean −0.01342
Std Dev 0.9037

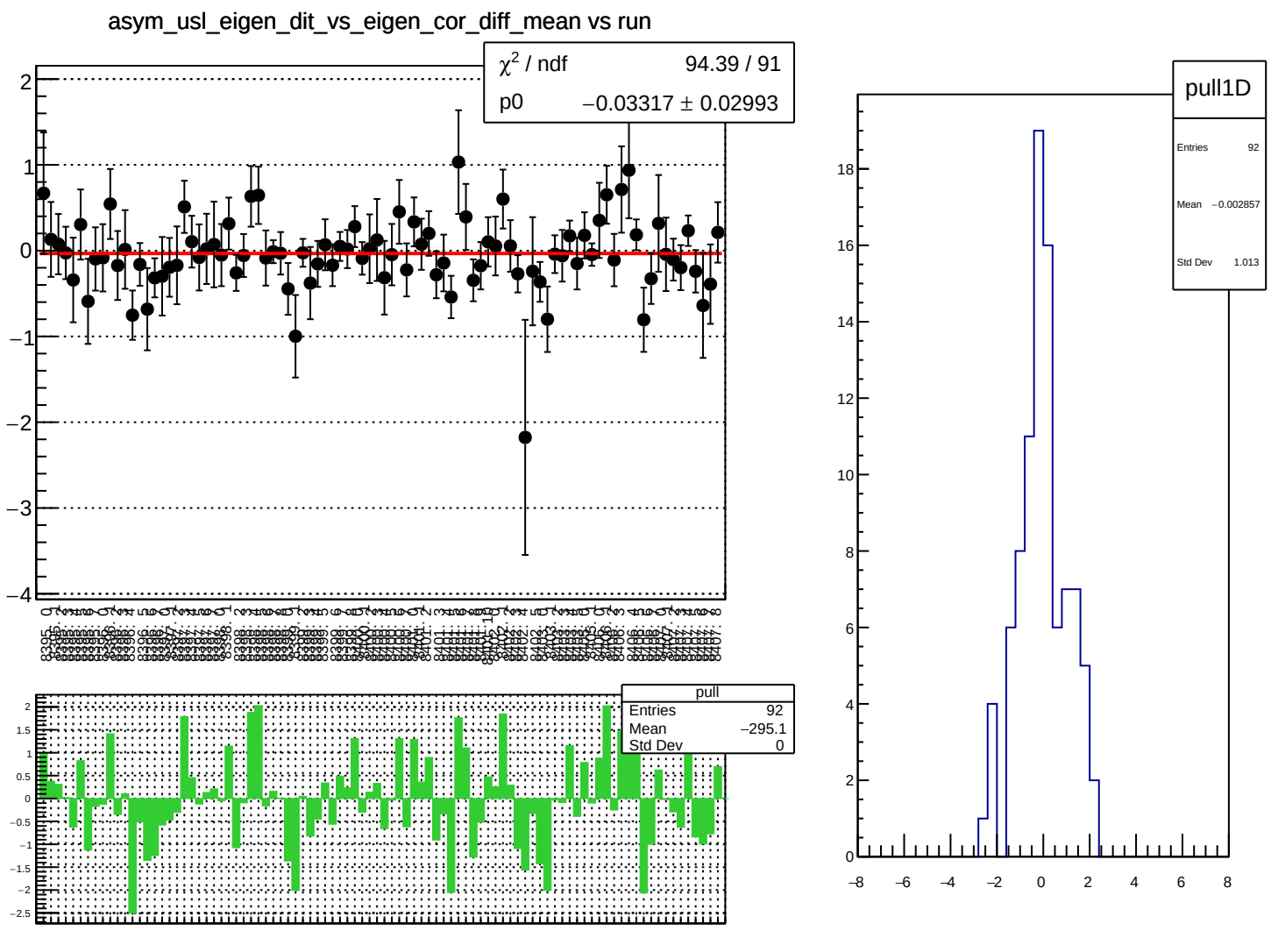

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 8.463e+04 / 91
p0 44.35 ± 0.03464
140
120
100
80
60
40
20

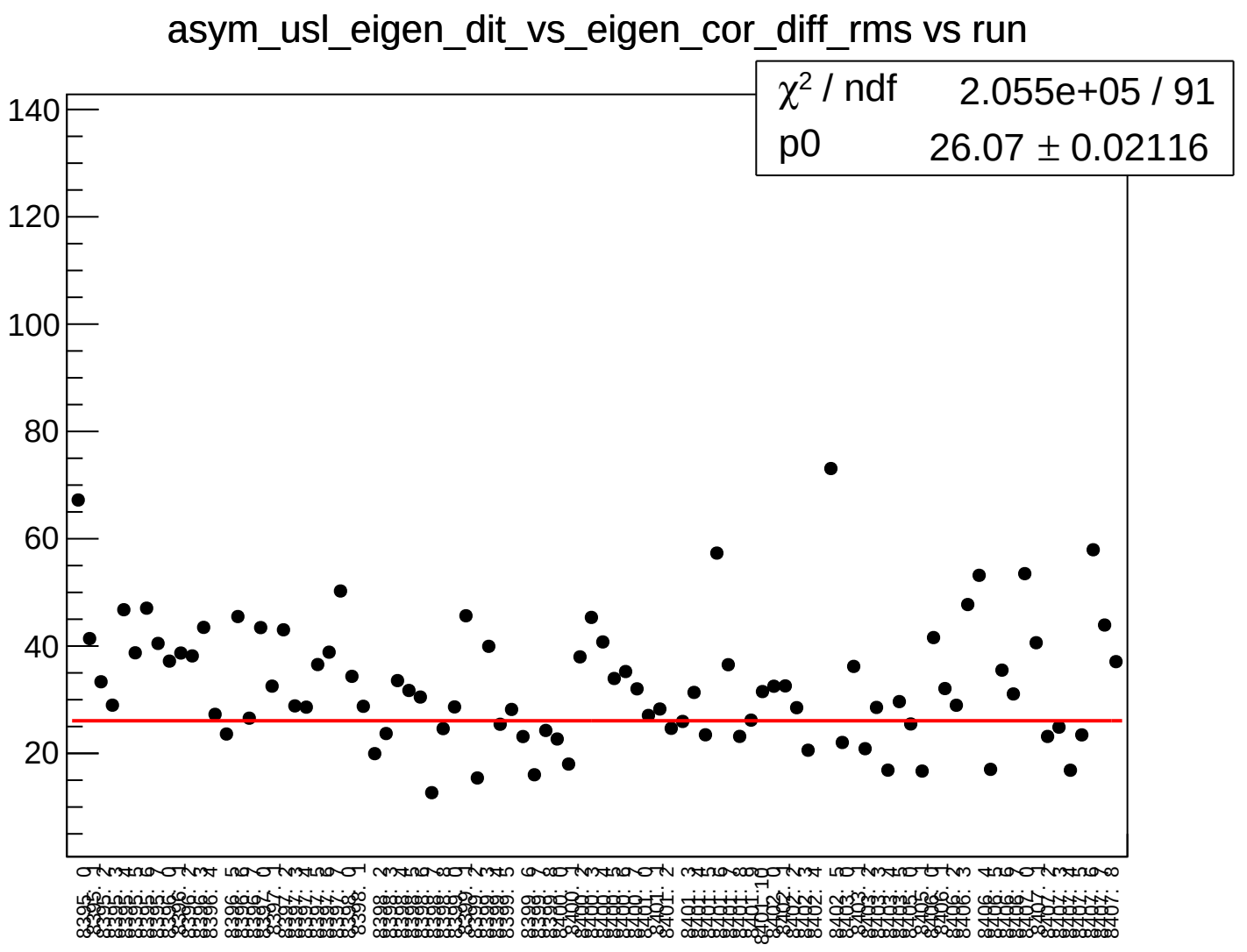

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.88 / 91
p0 −8.017e−07 ± 1.365e−06
pull
Entries 92
Mean 277.1
Std Dev 0
pull1D
Entries 92
Mean 0.001736
Std Dev 0.9939

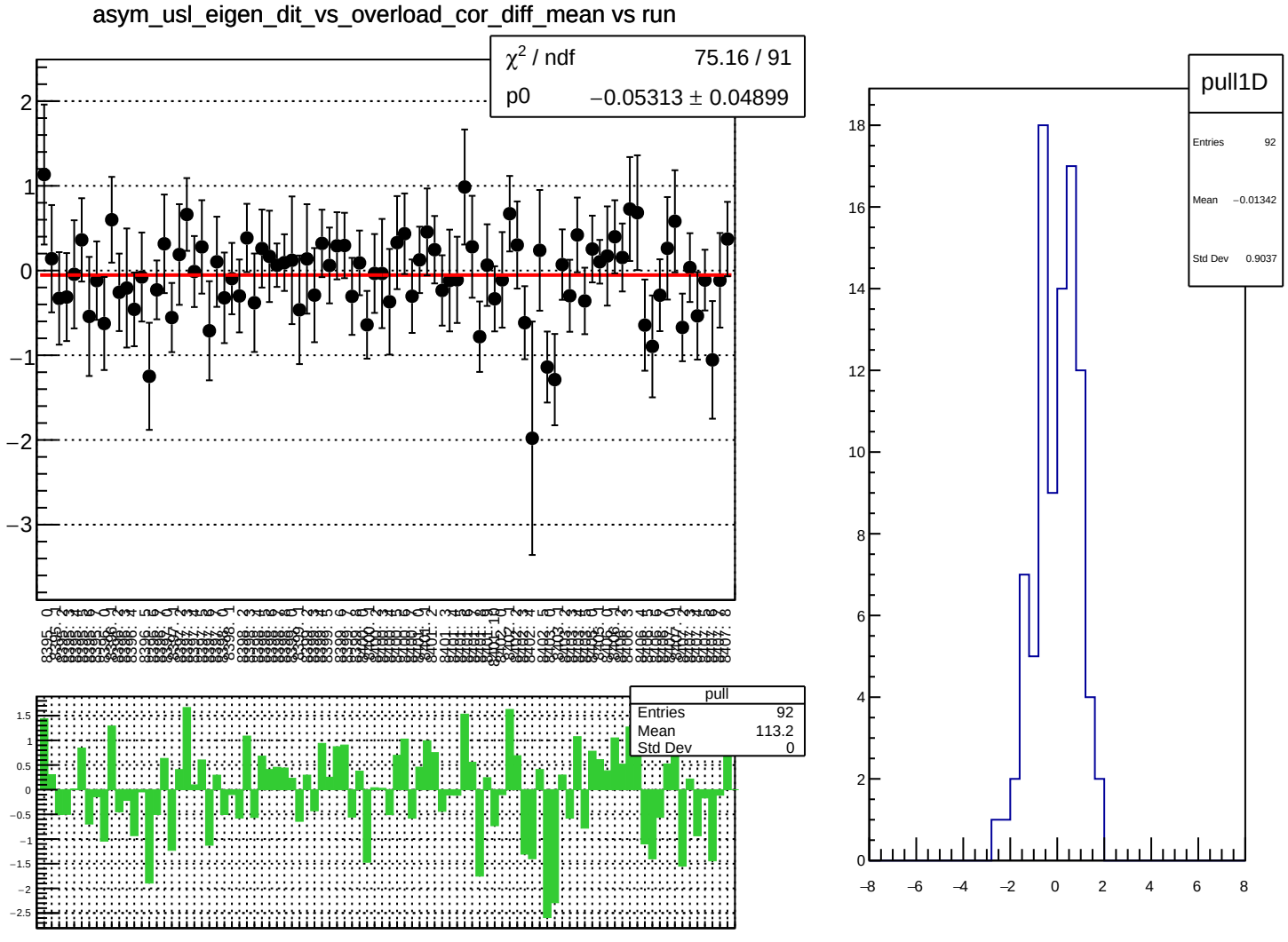

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7248 / 91
p0 0.001264 ± 9.651e−07
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115

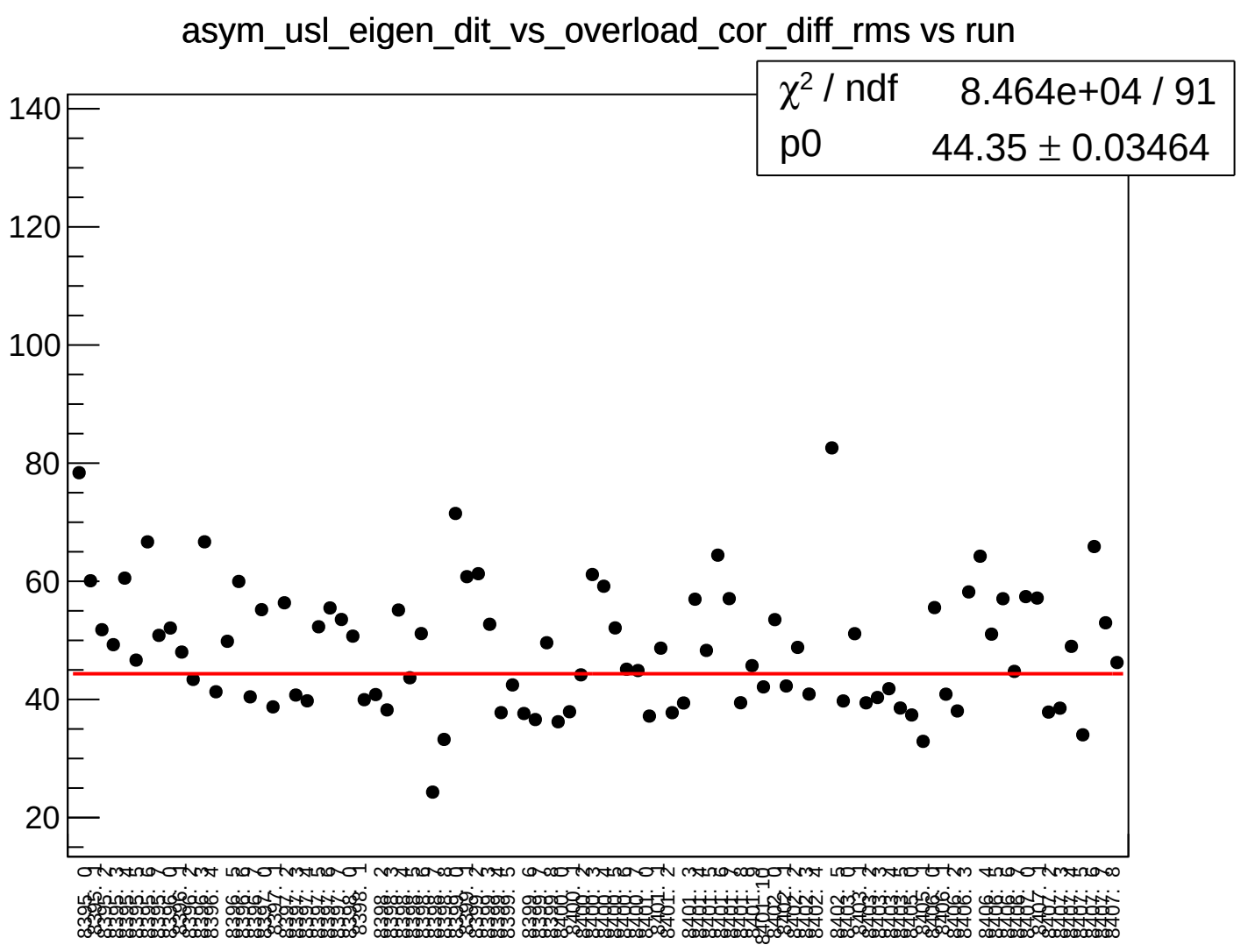

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.39 / 91
p0 −0.03317 ± 0.02993
pull
Entries 92
Mean −295.1
Std Dev 0
pull1D
Entries 92
Mean −0.002857
Std Dev 1.013

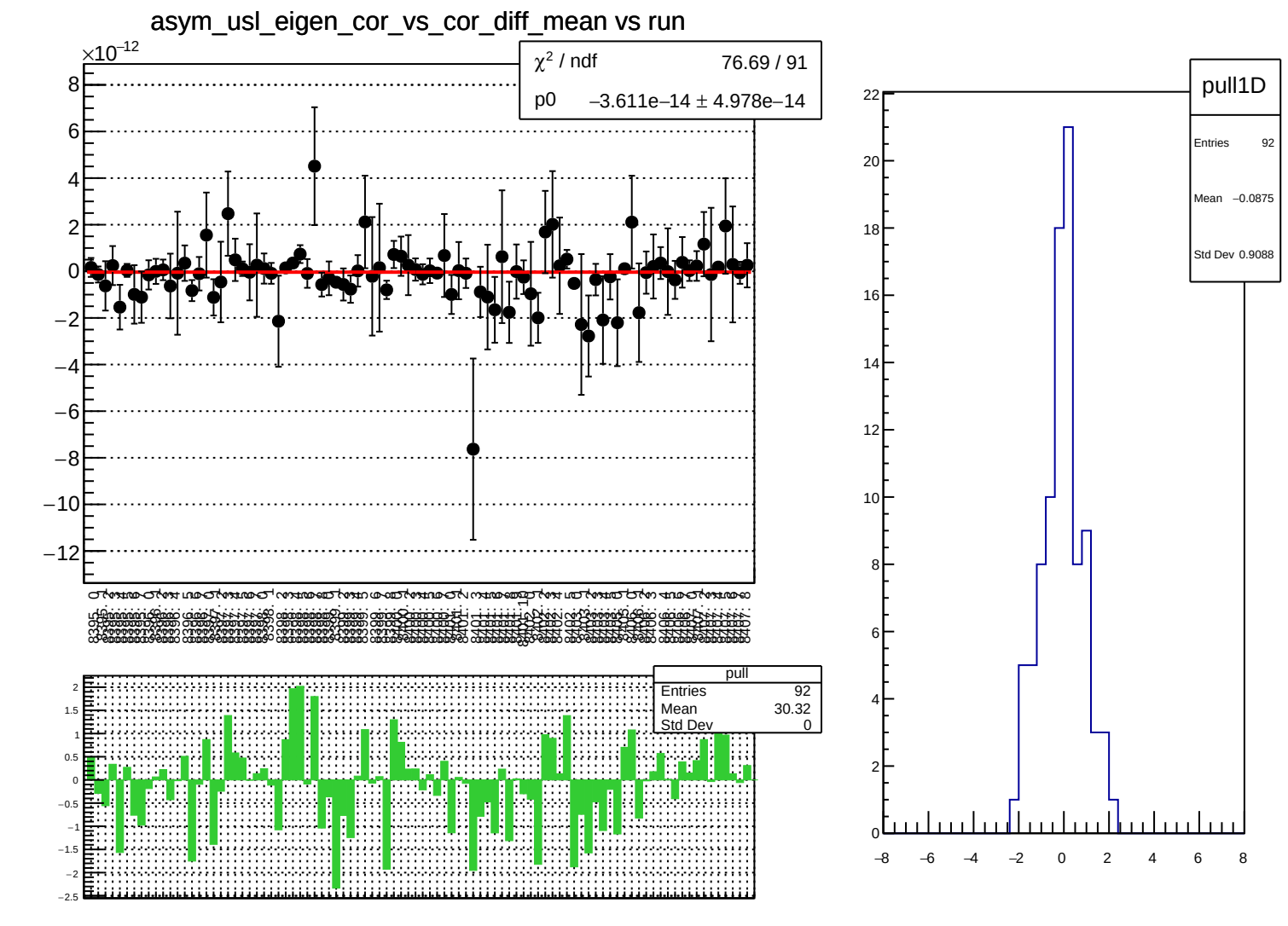

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.055e+05 / 91
p0 26.07 ± 0.02116
140
120
100
80
60
40
20

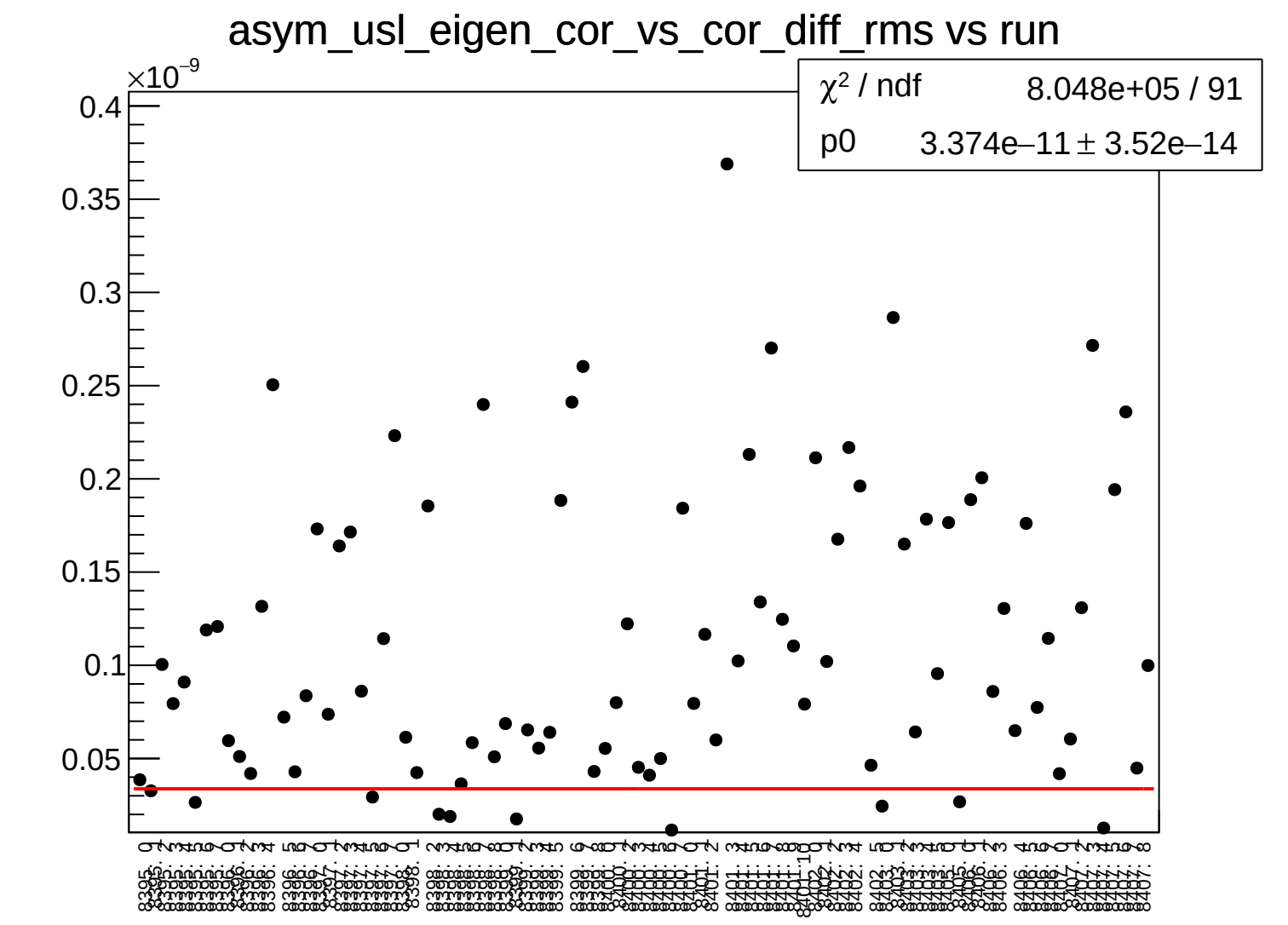

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.39 / 91
p0 −0.03317 ± 0.02993
pull
Entries 92
Mean −295.1
Std Dev 0
pull1D
Entries 92
Mean −0.002857
Std Dev 1.013

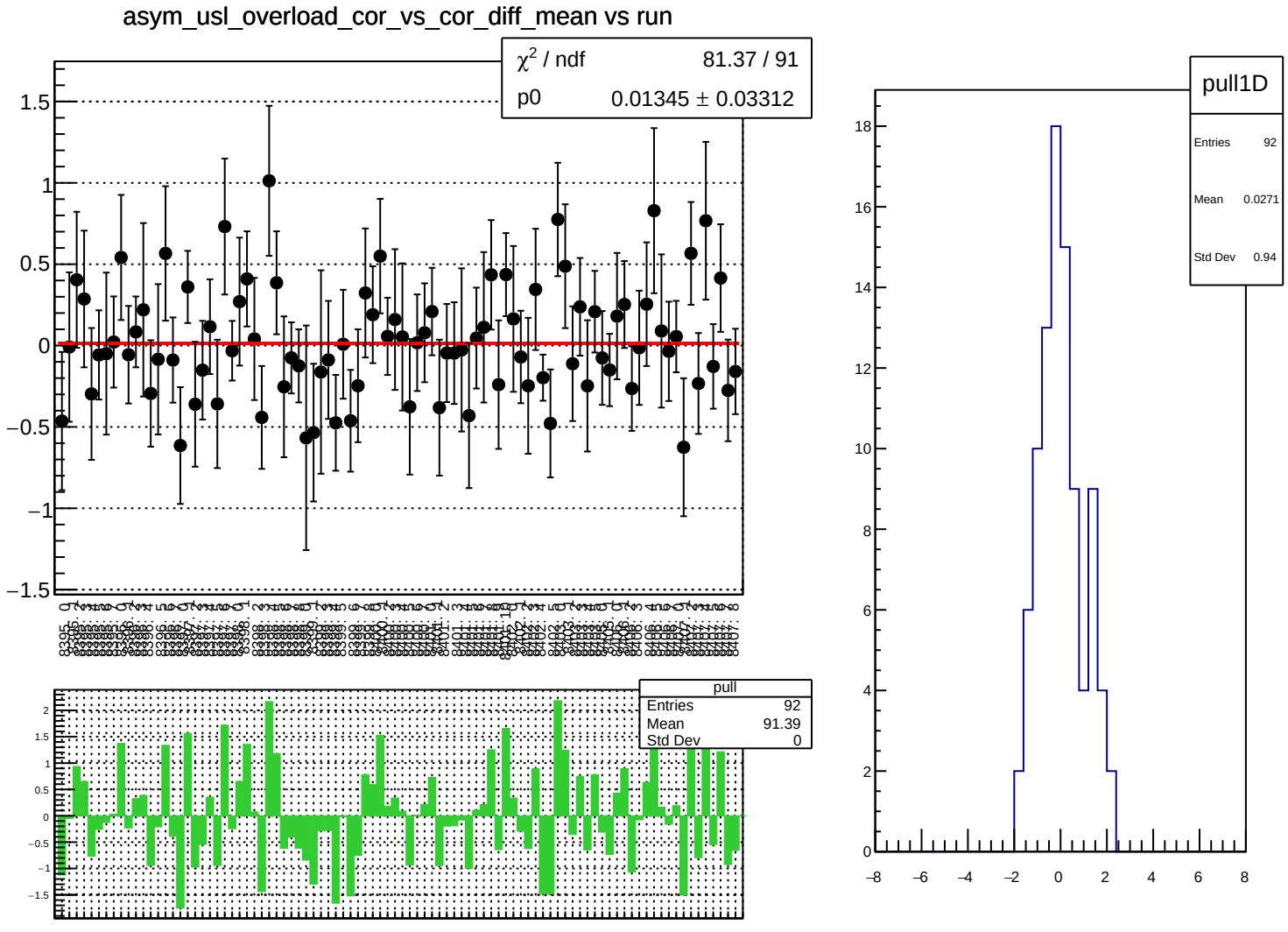

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.055e+05 / 91
p0 26.07 ± 0.02116
140
120
100
80
60
40
20

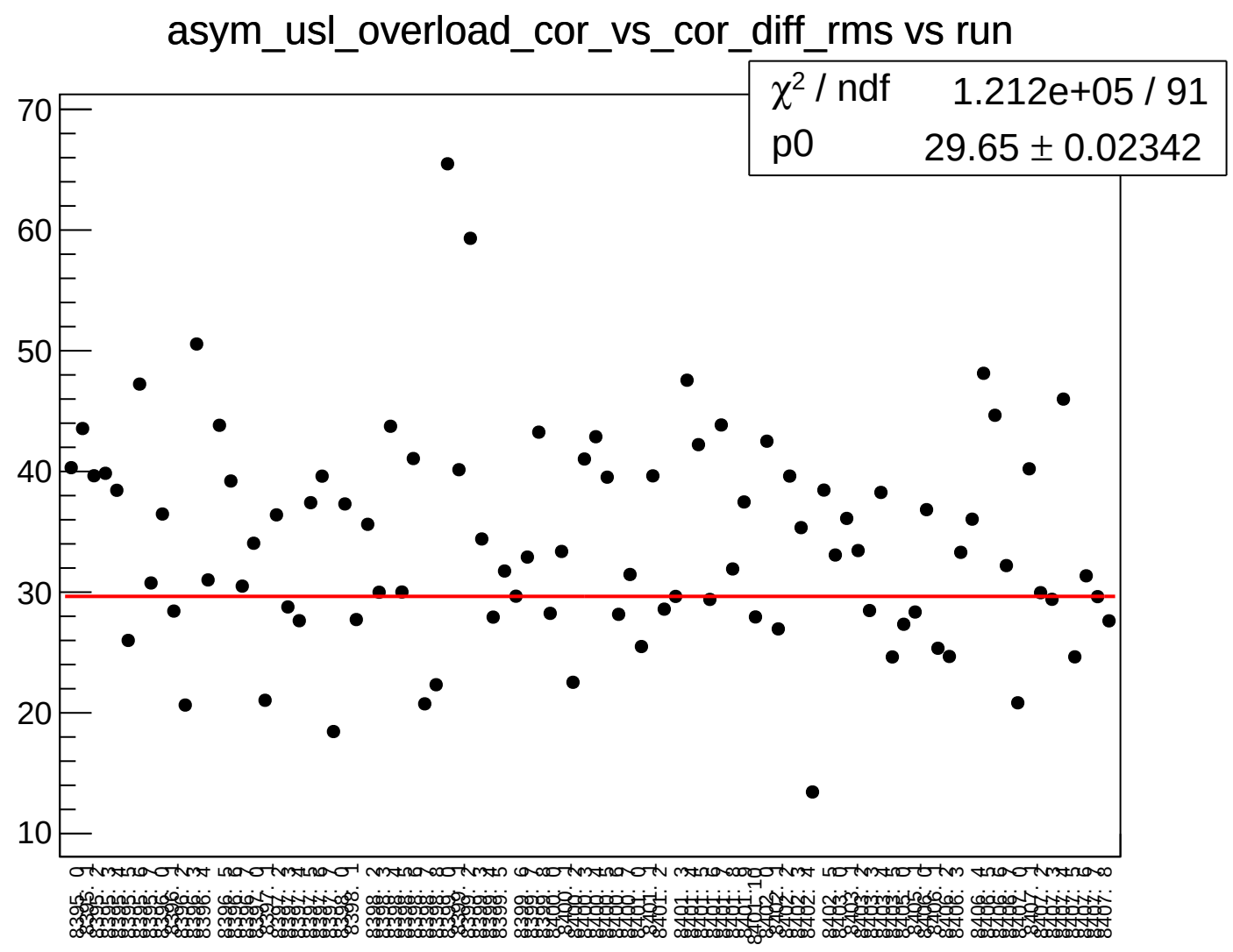

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 75.16 / 91
p0 −0.05313 ± 0.04899
pull
Entries 92
Mean 113.2
Std Dev 0
pull1D
Entries 92
Mean −0.01342
Std Dev 0.9037

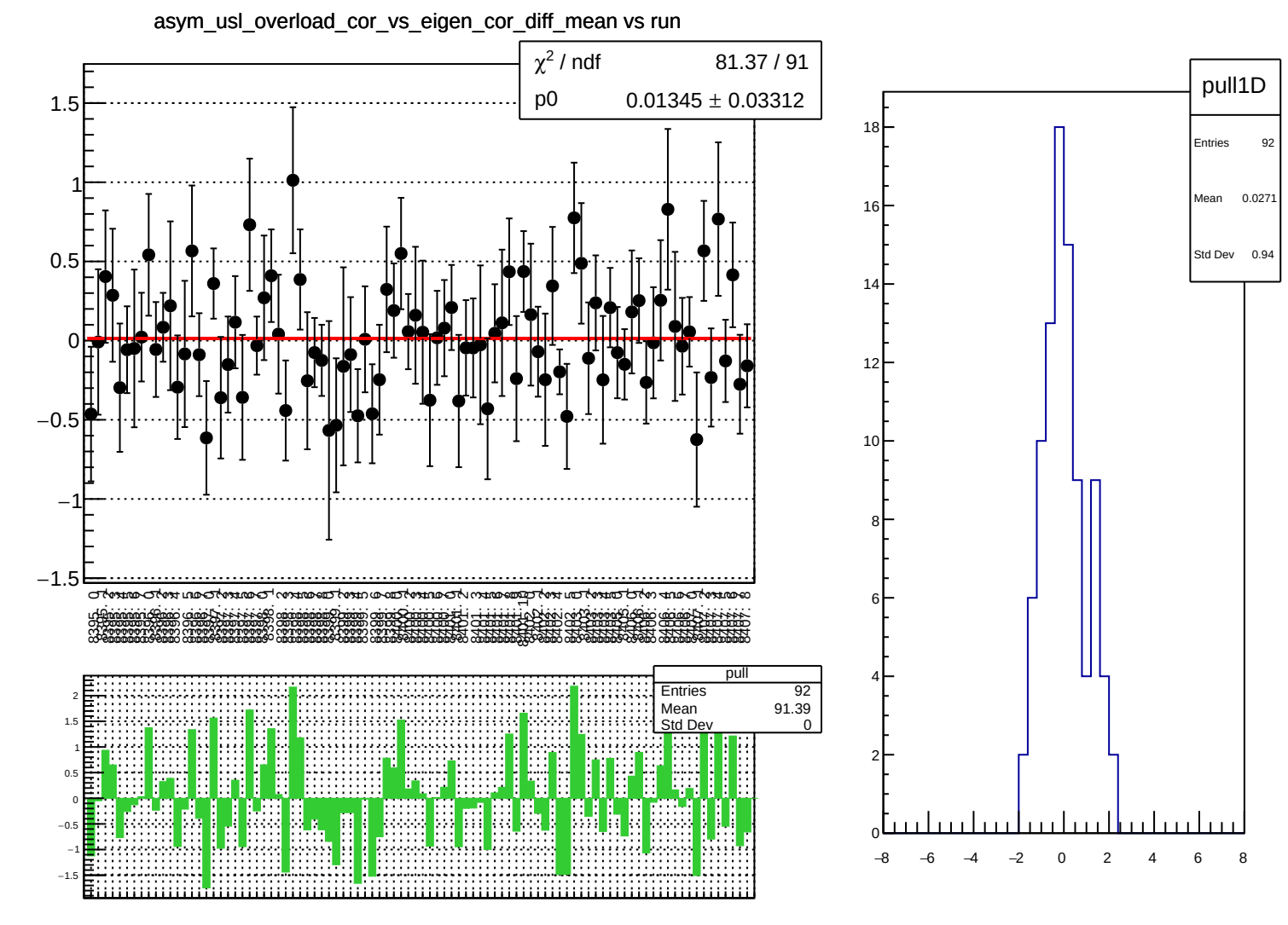

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 8.464e+04 / 91
p0 44.35 ± 0.03464
140
120
100
80
60
40
20

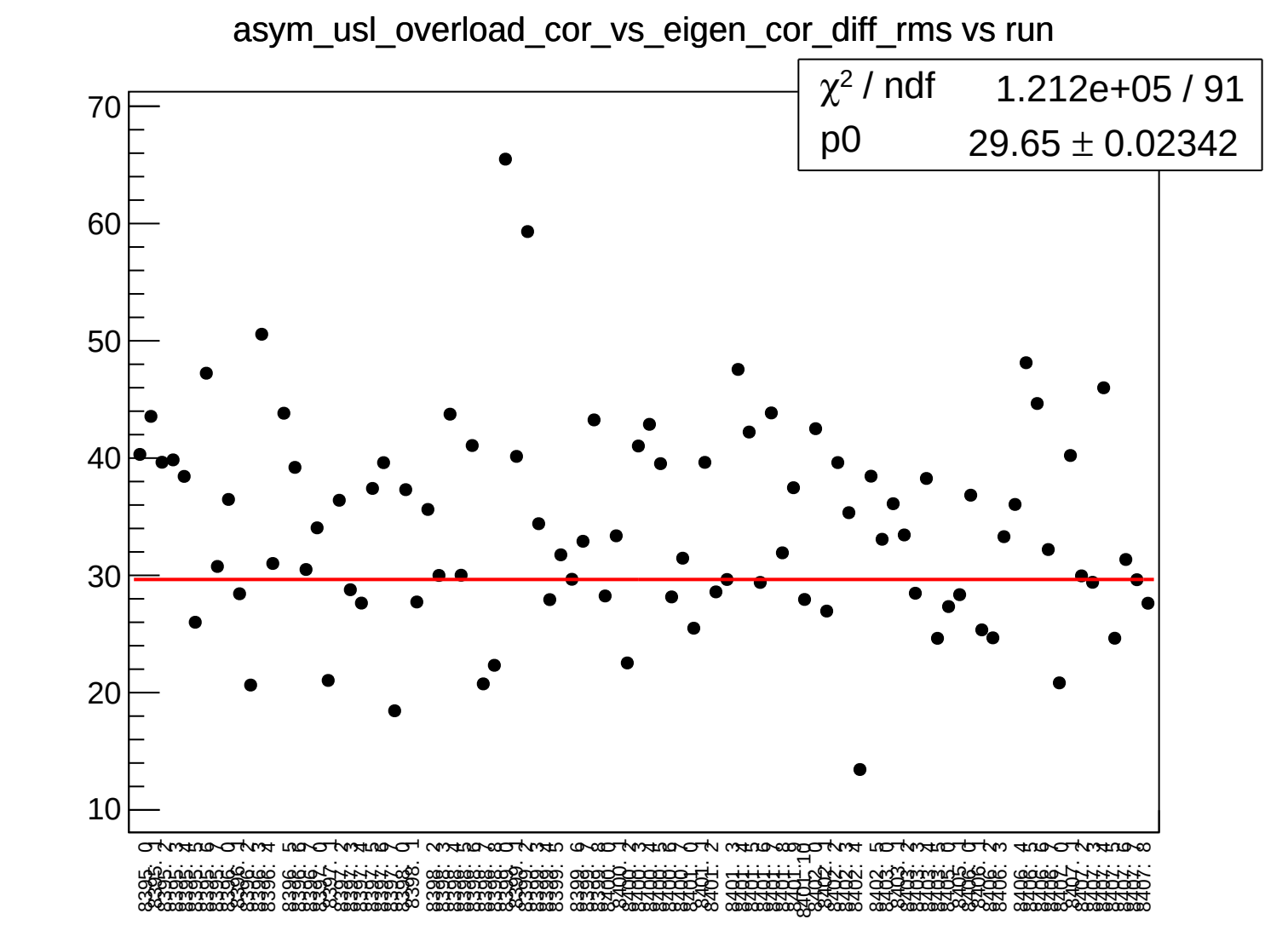

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.69 / 91
p0 −3.611e−14 ± 4.978e−14
pull
Entries 92
Mean 30.32
Std Dev 0
pull1D
Entries 92
Mean −0.0875
Std Dev 0.9088

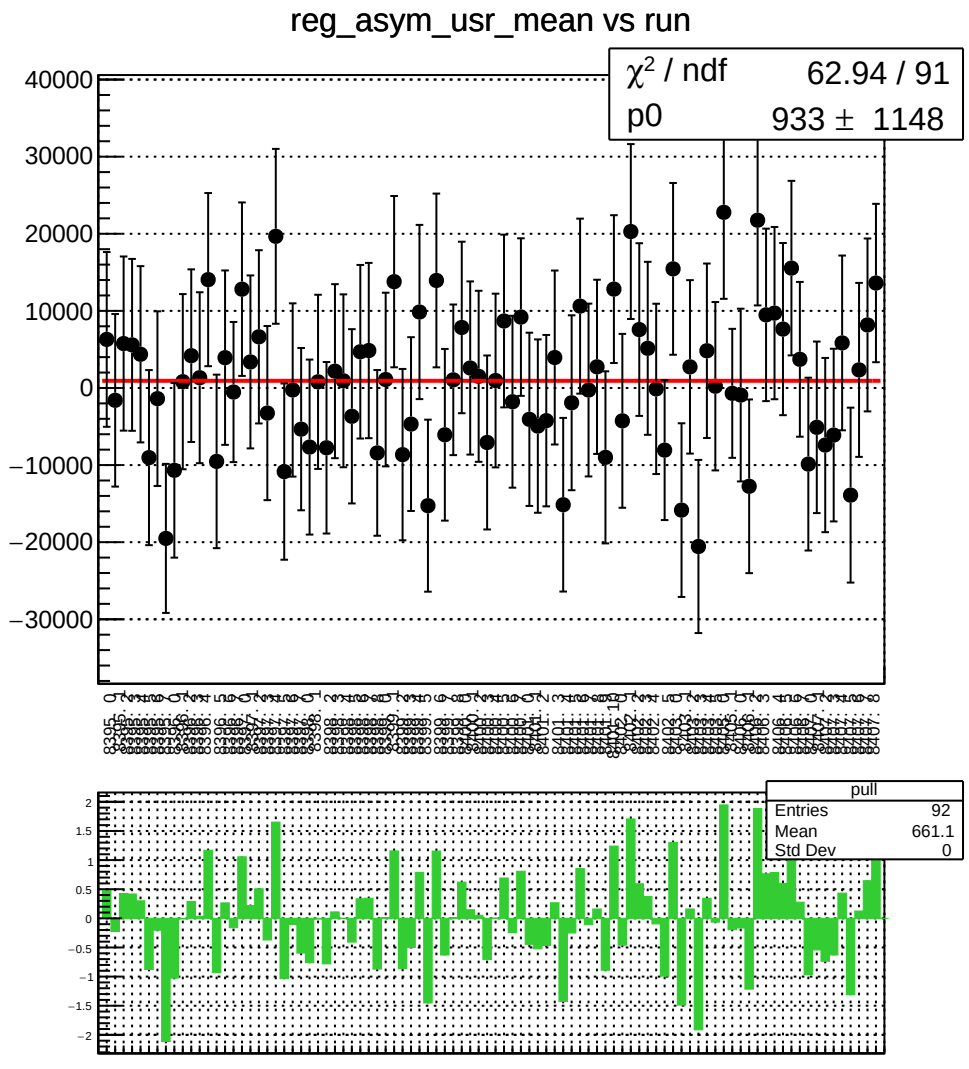

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.048e+05 / 91
p0 3.374e−11 ± 3.52e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

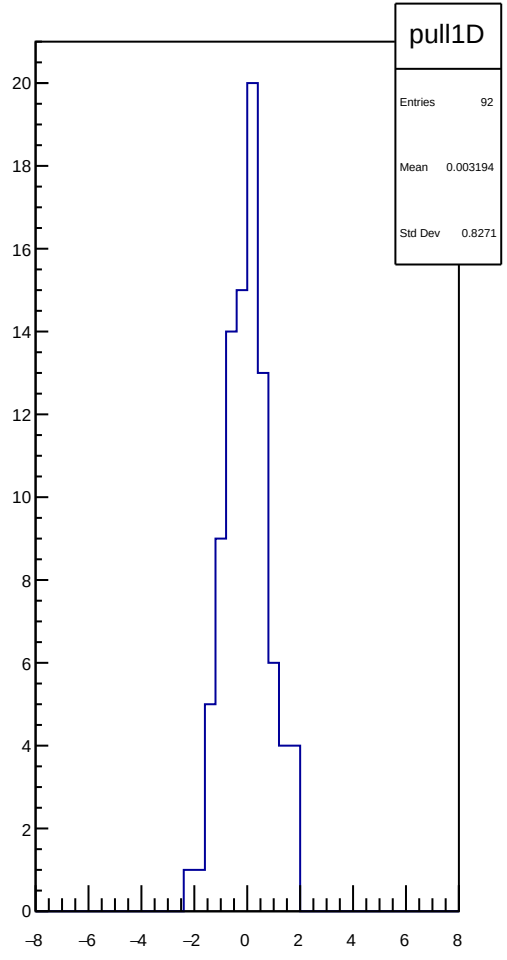

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 81.37 / 91
p0 0.01345 ± 0.03312
pull
Entries 92
Mean 91.39
Std Dev 0
pull1D
Entries 92
Mean 0.0271
Std Dev 0.94

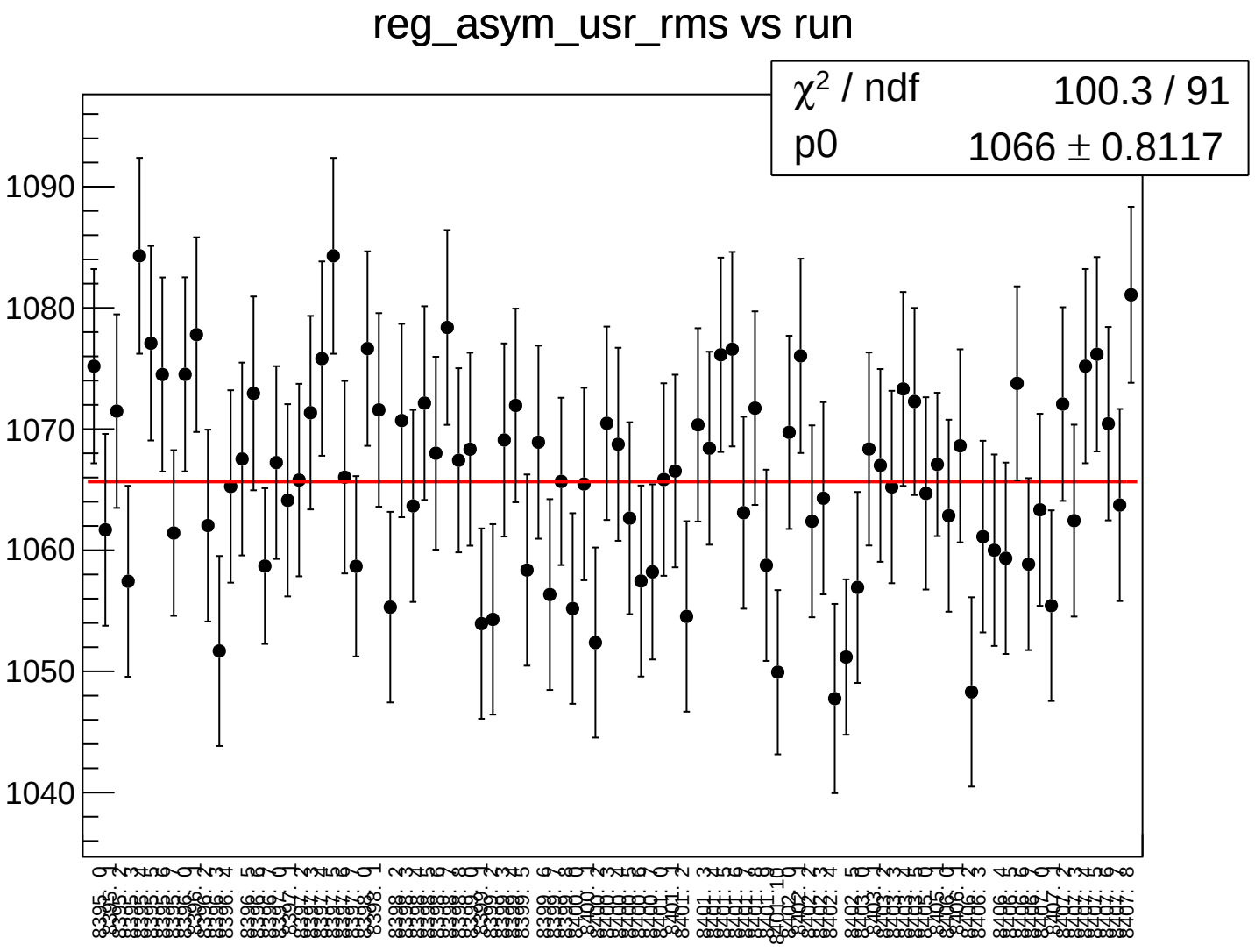

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.212e+05 / 91
p0 29.65 ± 0.02342
70
60
50
40
30
20
10

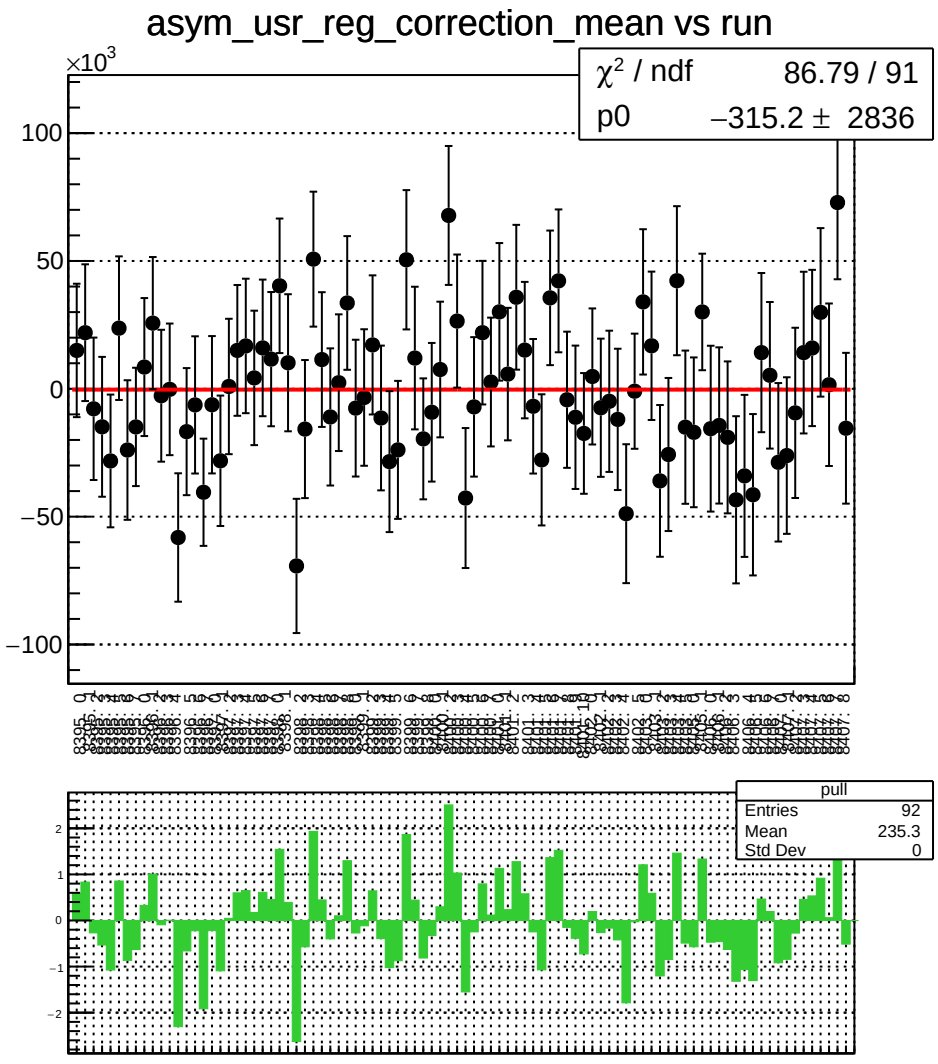

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.37 / 91
p0 0.01345 ± 0.03312
pull
Entries 92
Mean 91.39
Std Dev 0
pull1D
Entries 92
Mean 0.0271
Std Dev 0.94

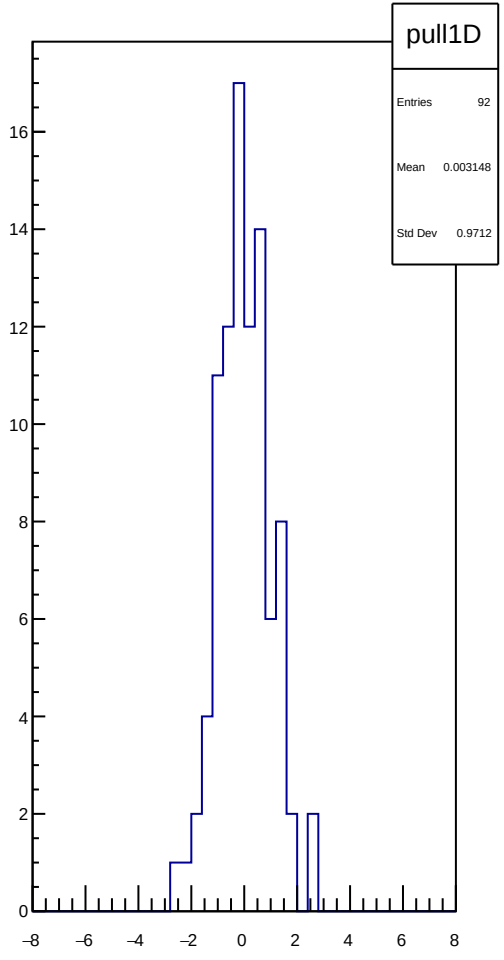

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.212e+05 / 91
p0 29.65 ± 0.02342
70
60
50
40
30
20
10

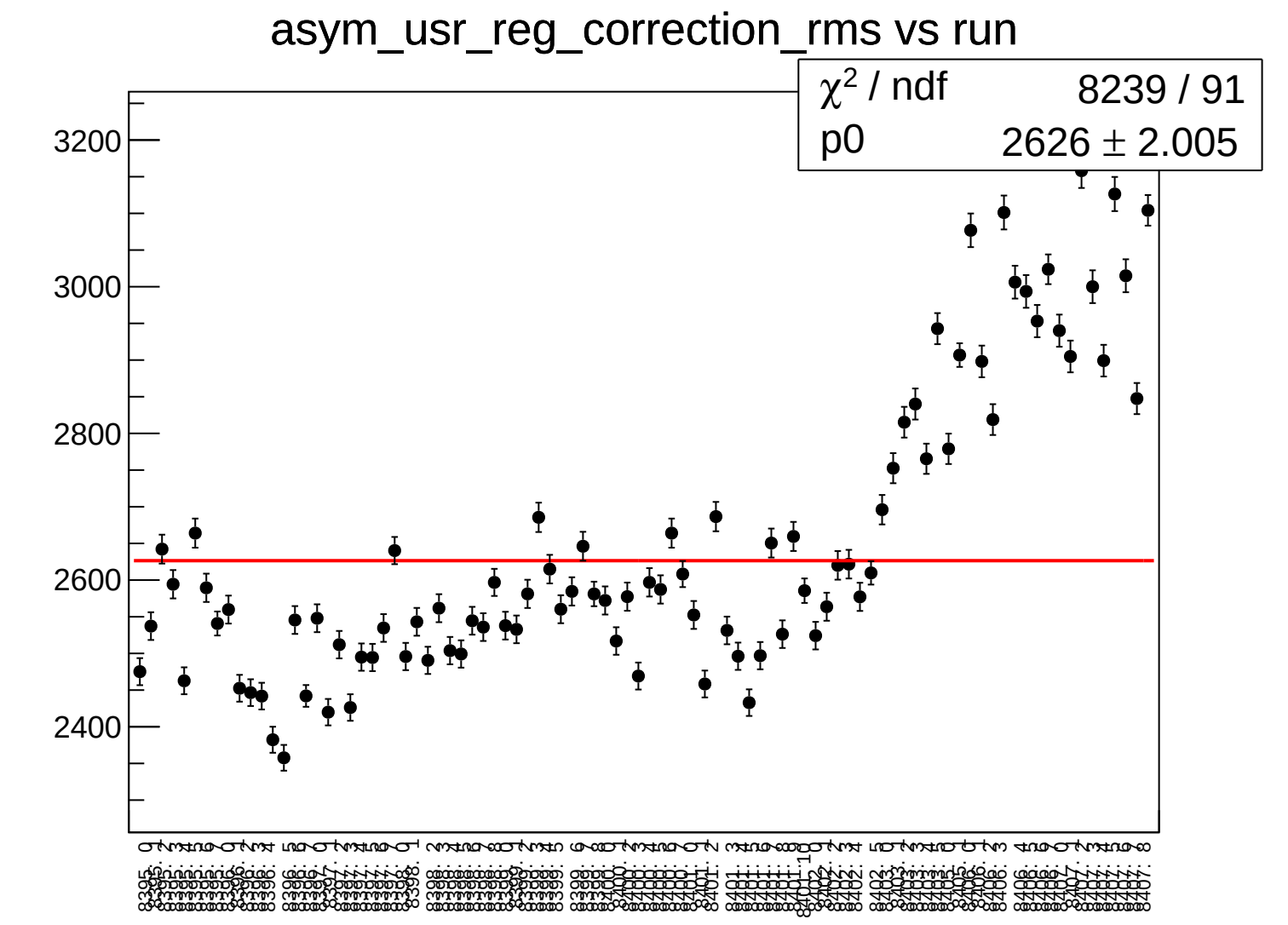

reg_asym_usr_mean vs run
χ² / ndf 62.94 / 91
p0 933 ± 1148
pull
Entries 92
Mean 661.1
Std Dev 0

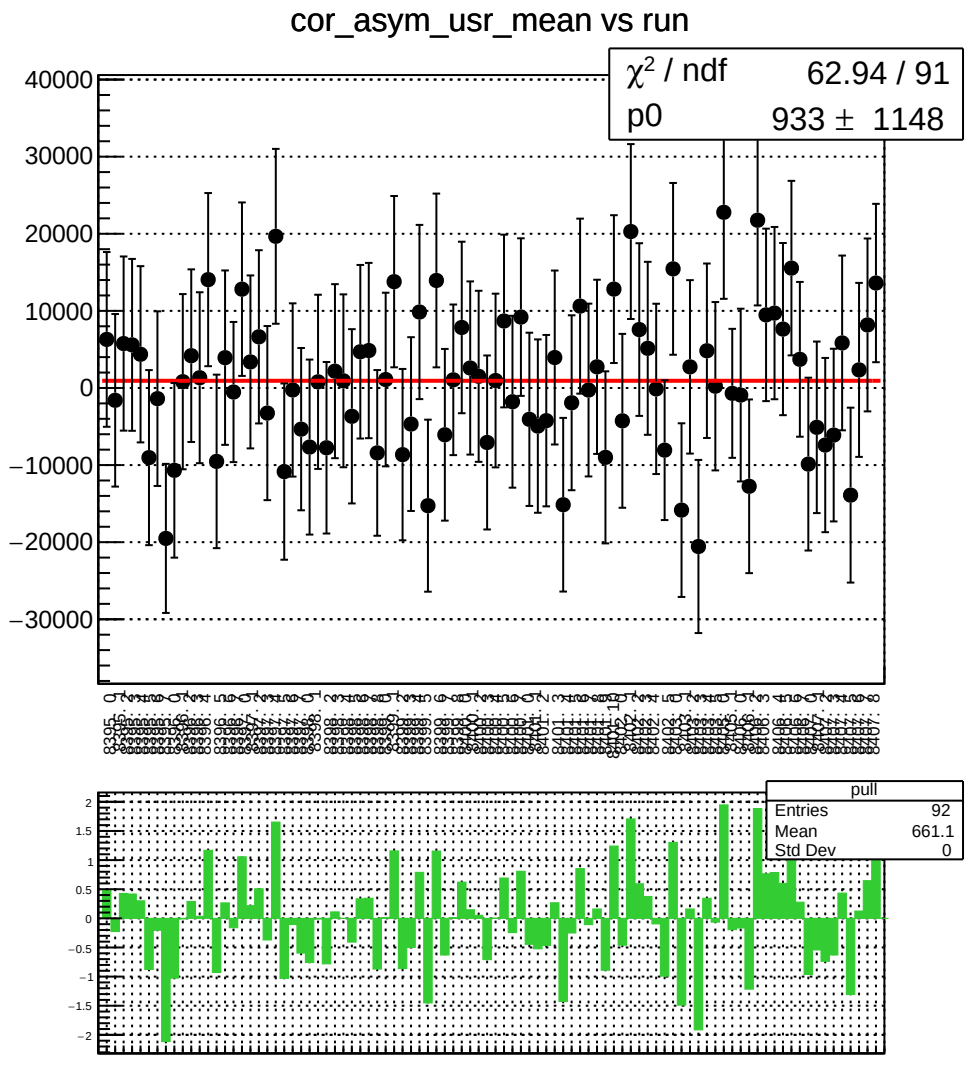

pull1D
Entries 92
Mean 0.003194
Std Dev 0.8271

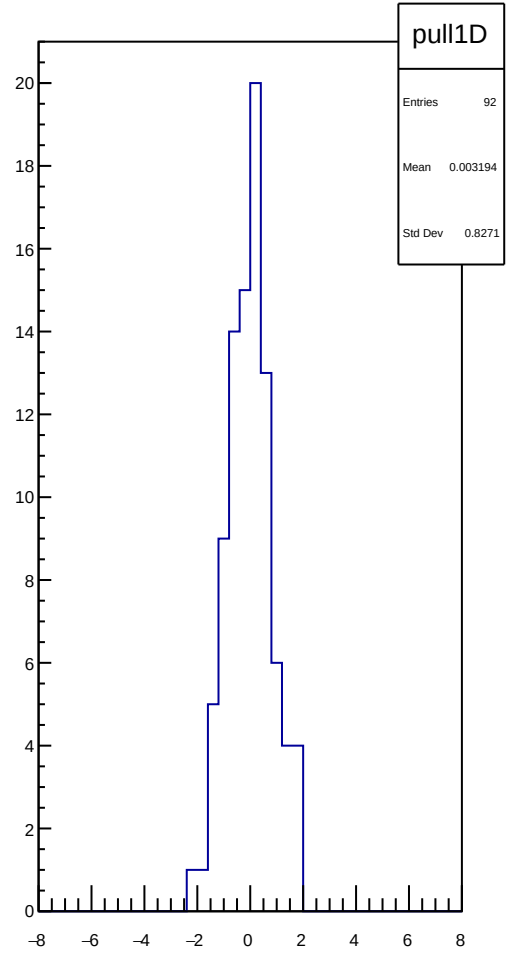

reg_asym_usr_rms vs run
χ² / ndf 100.3 / 91
p0 1066 ± 0.8117
1090
1080
1070
1060
1050
1040

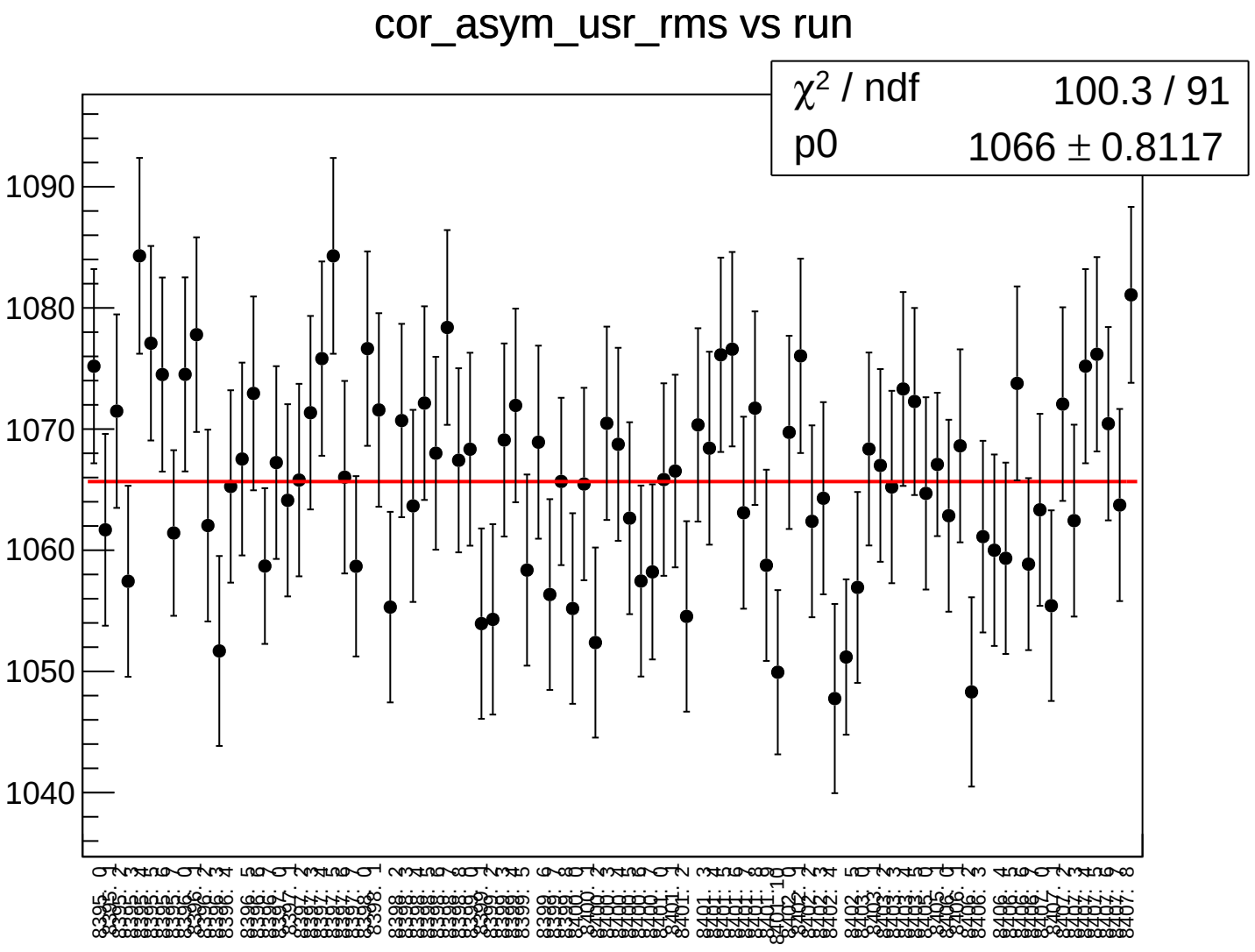

asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 86.79 / 91
p0 −315.2 ± 2836
100
50
0
−50
−100
pull
Entries 92
Mean 235.3
Std Dev 0
2
1
0
−1
−2

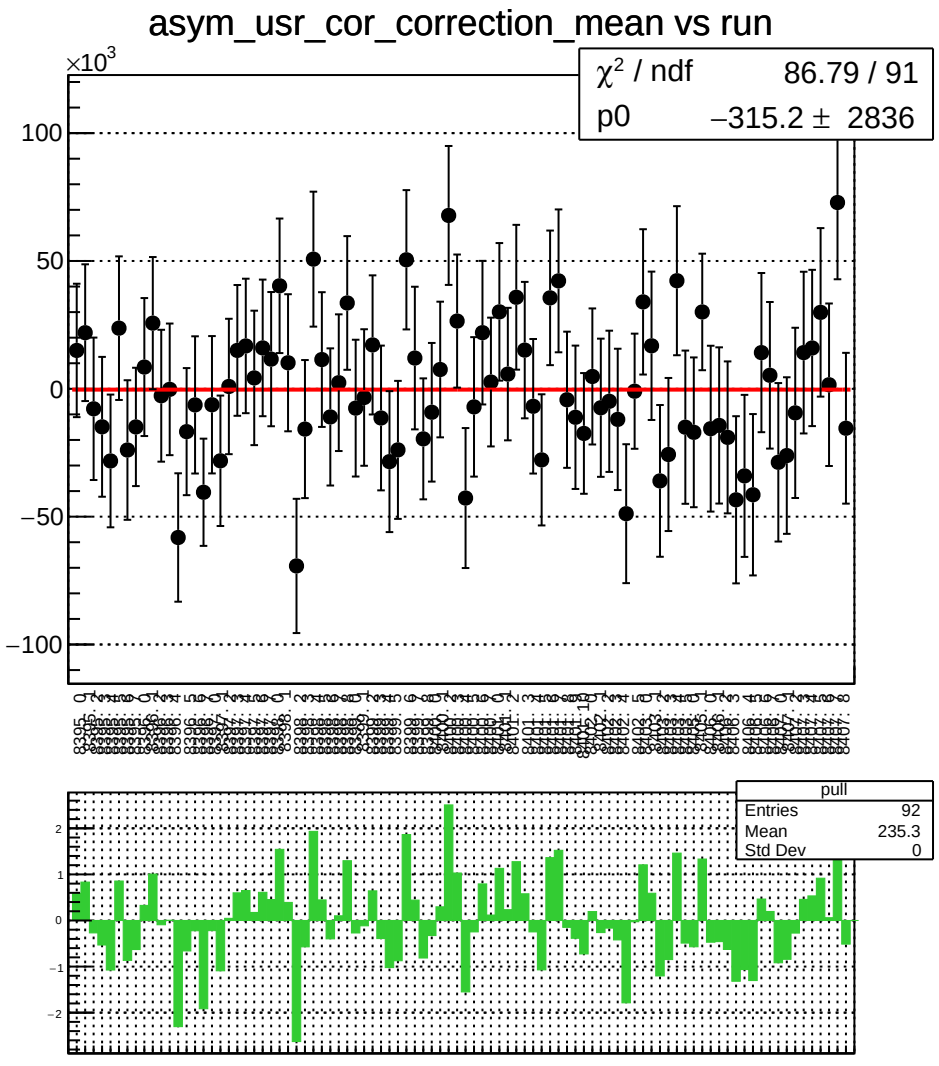

pull1D
Entries 92
Mean 0.003148
Std Dev 0.9712
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

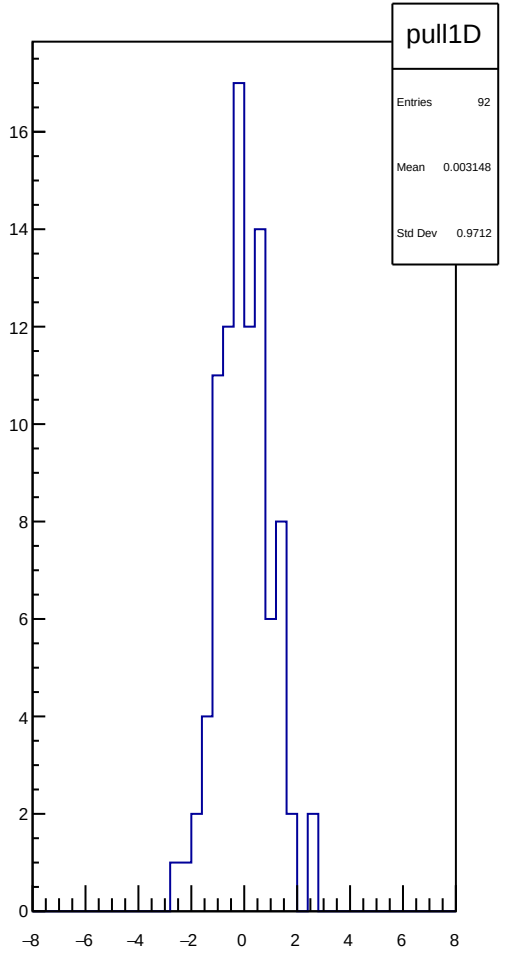

asym_usr_reg_correction_rms vs run
χ² / ndf 8239 / 91
p0 2626 ± 2.005
3200
3000
2800
2600
2400

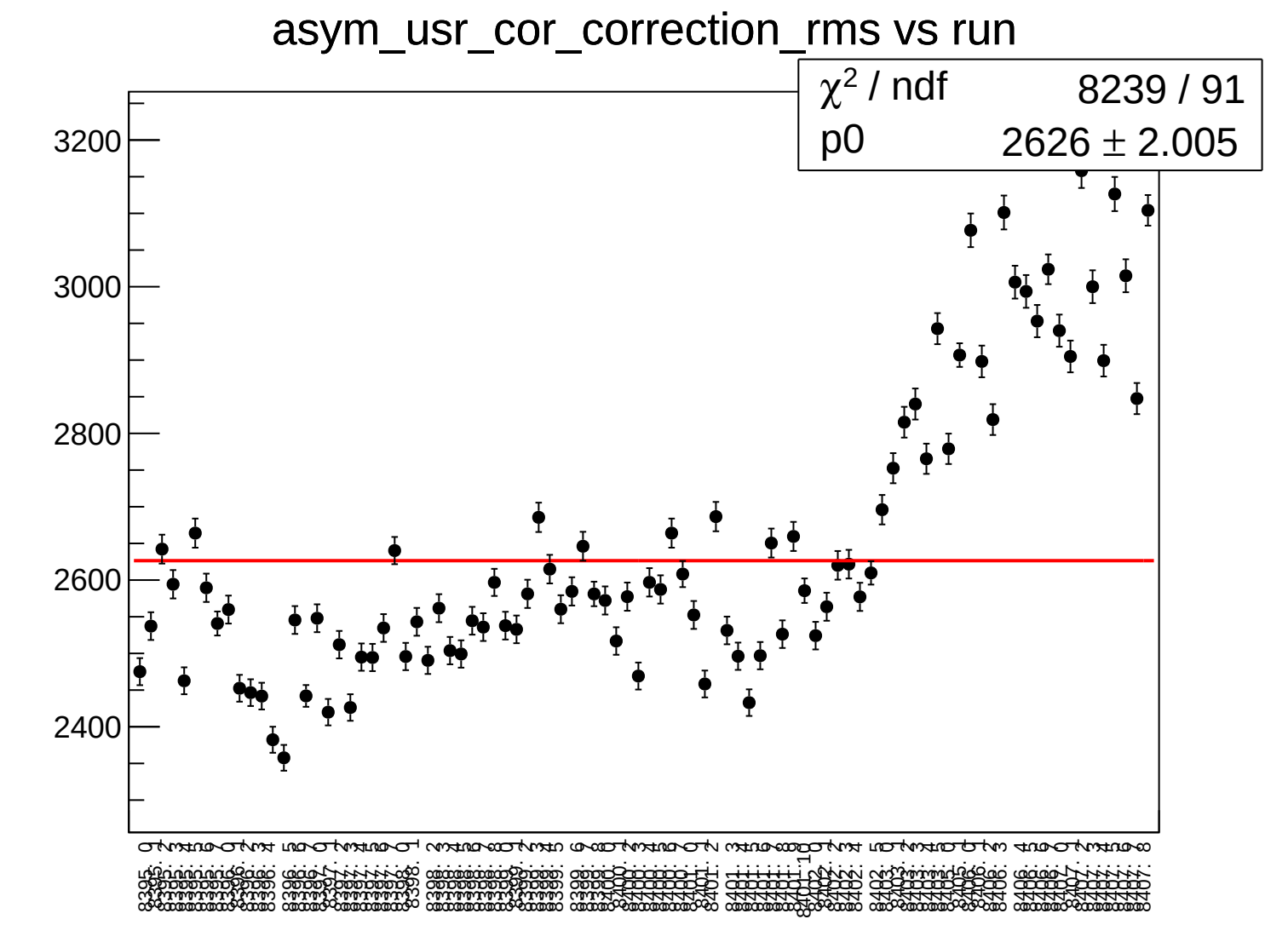

cor_asym_usr_mean vs run
χ² / ndf 62.94 / 91
p0 933 ± 1148
pull
Entries 92
Mean 661.1
Std Dev 0

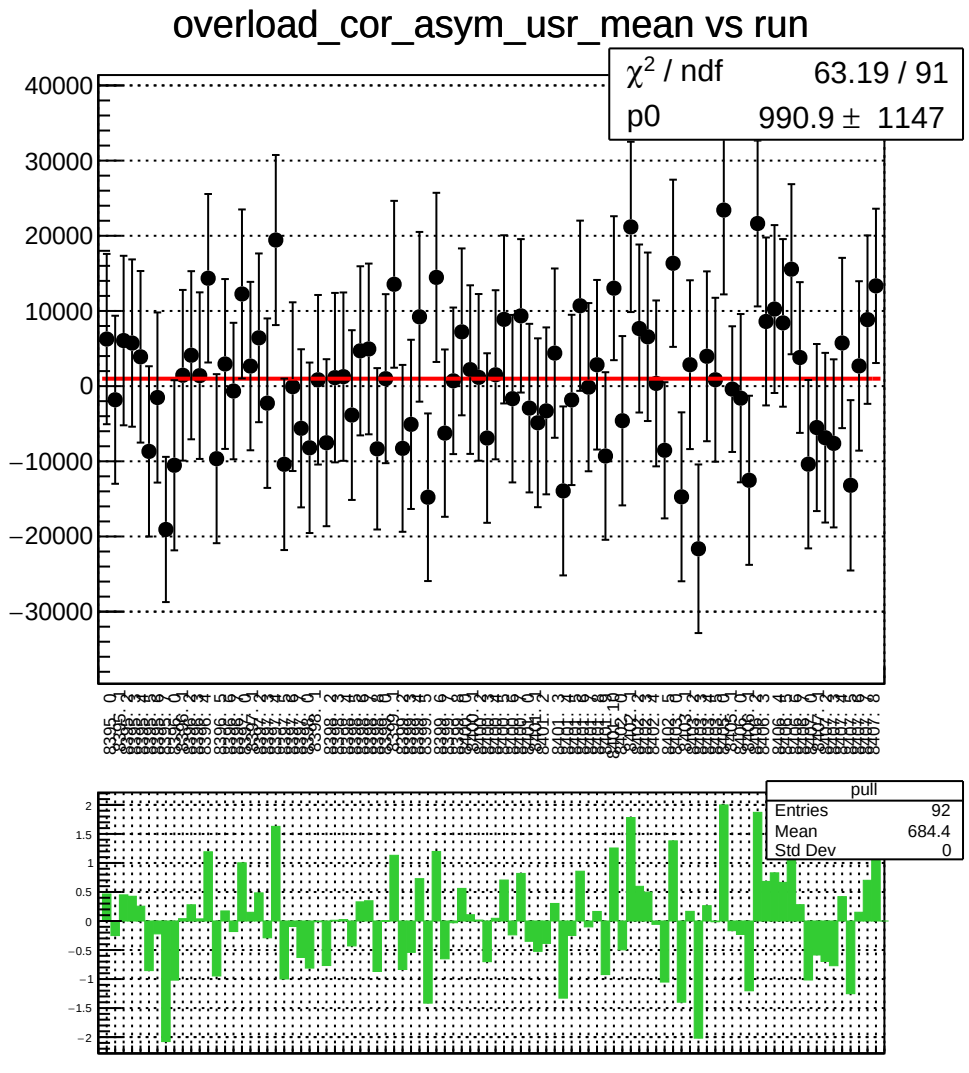

pull1D
Entries 92
Mean 0.003194
Std Dev 0.8271

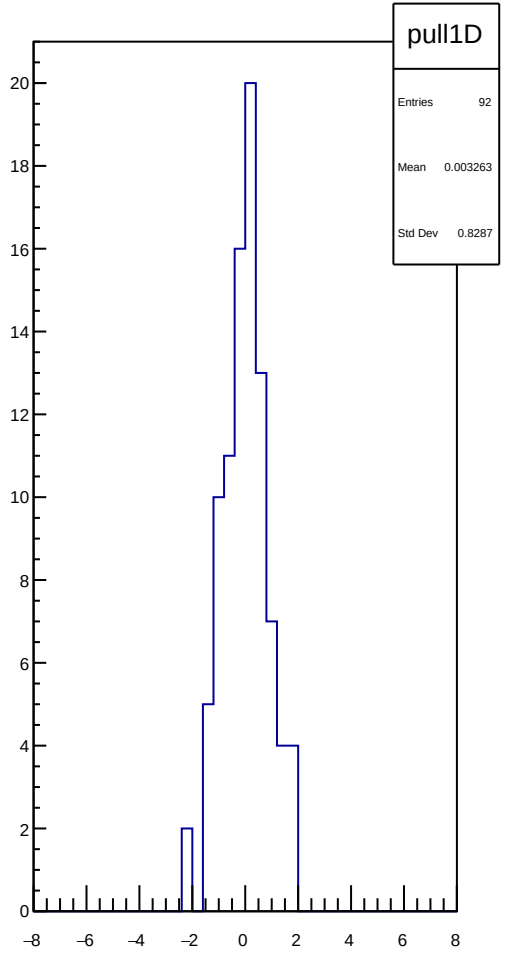

cor_asym_usr_rms vs run
χ² / ndf 100.3 / 91
p0 1066 ± 0.8117
1090
1080
1070
1060
1050
1040

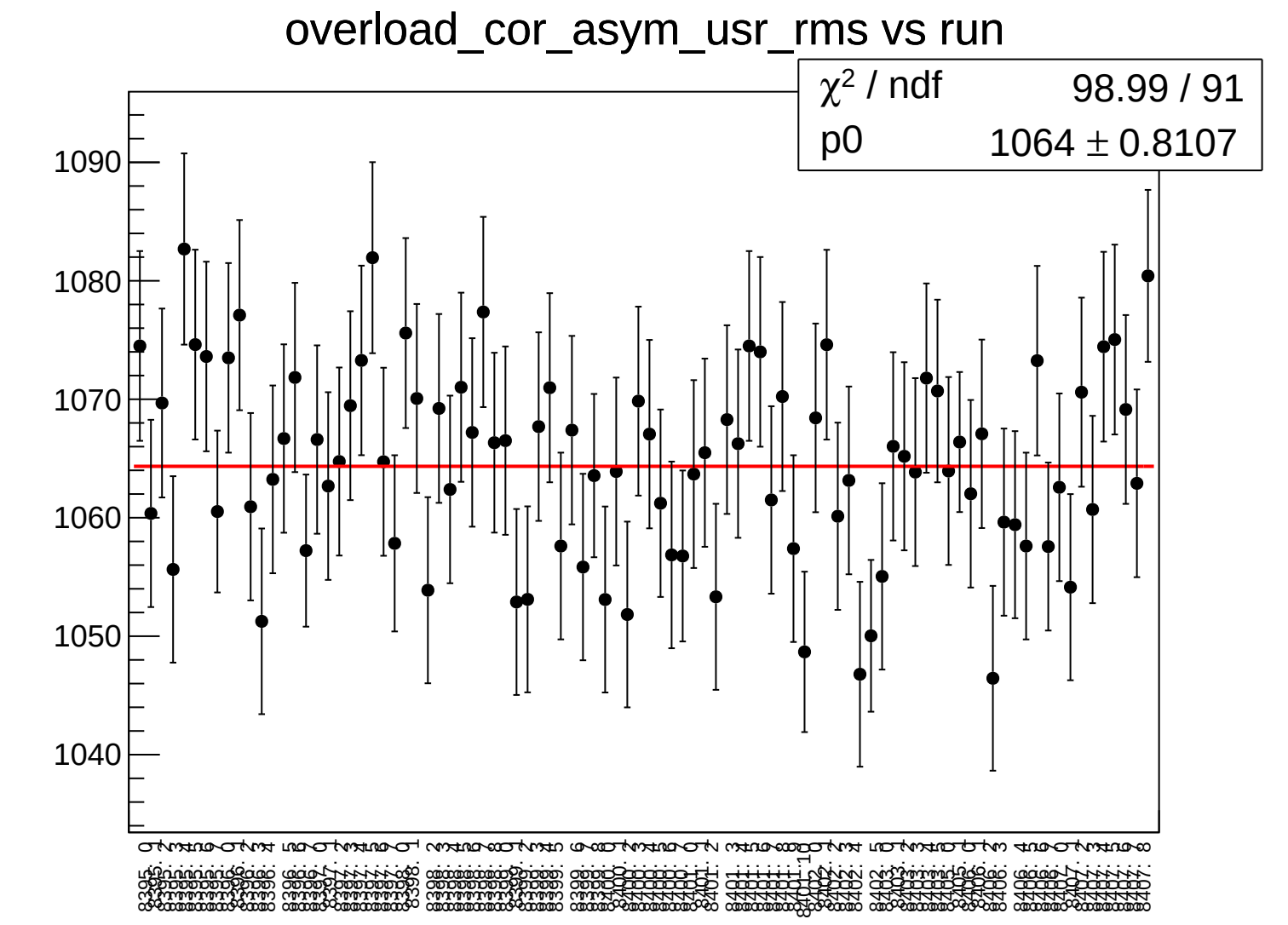

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 86.79 / 91
p0 −315.2 ± 2836
100
50
0
−50
−100
pull
Entries 92
Mean 235.3
Std Dev 0
2
1
0
−1
−2

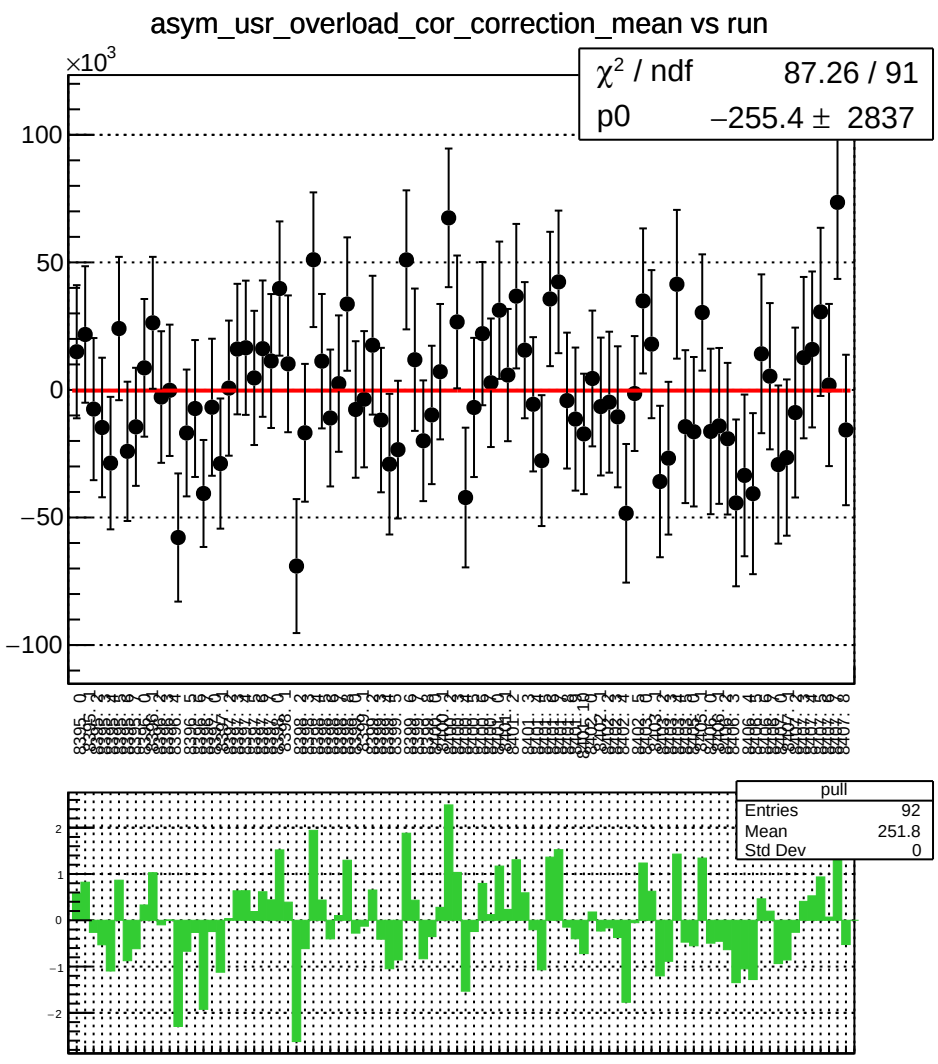

pull1D
Entries 92
Mean 0.003148
Std Dev 0.9712
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

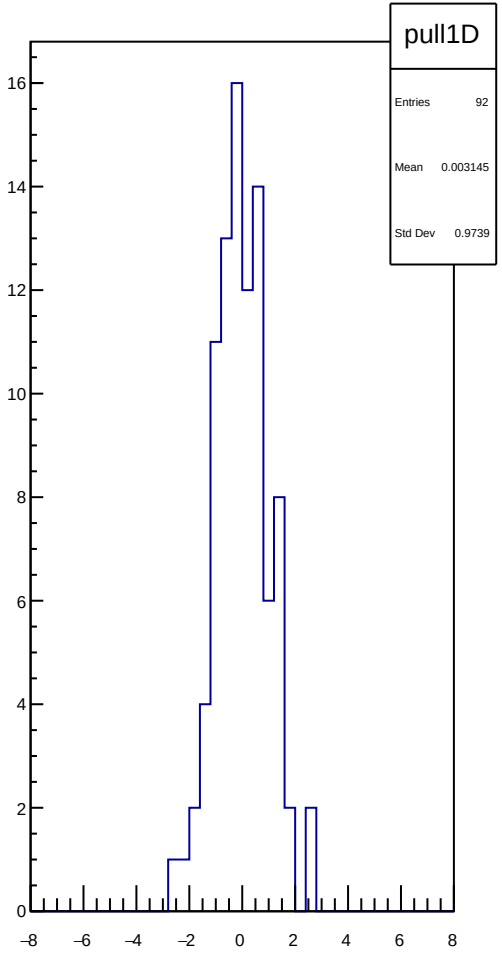

asym_usr_cor_correction_rms vs run
χ² / ndf 8239 / 91
p0 2626 ± 2.005
3200
3000
2800
2600
2400

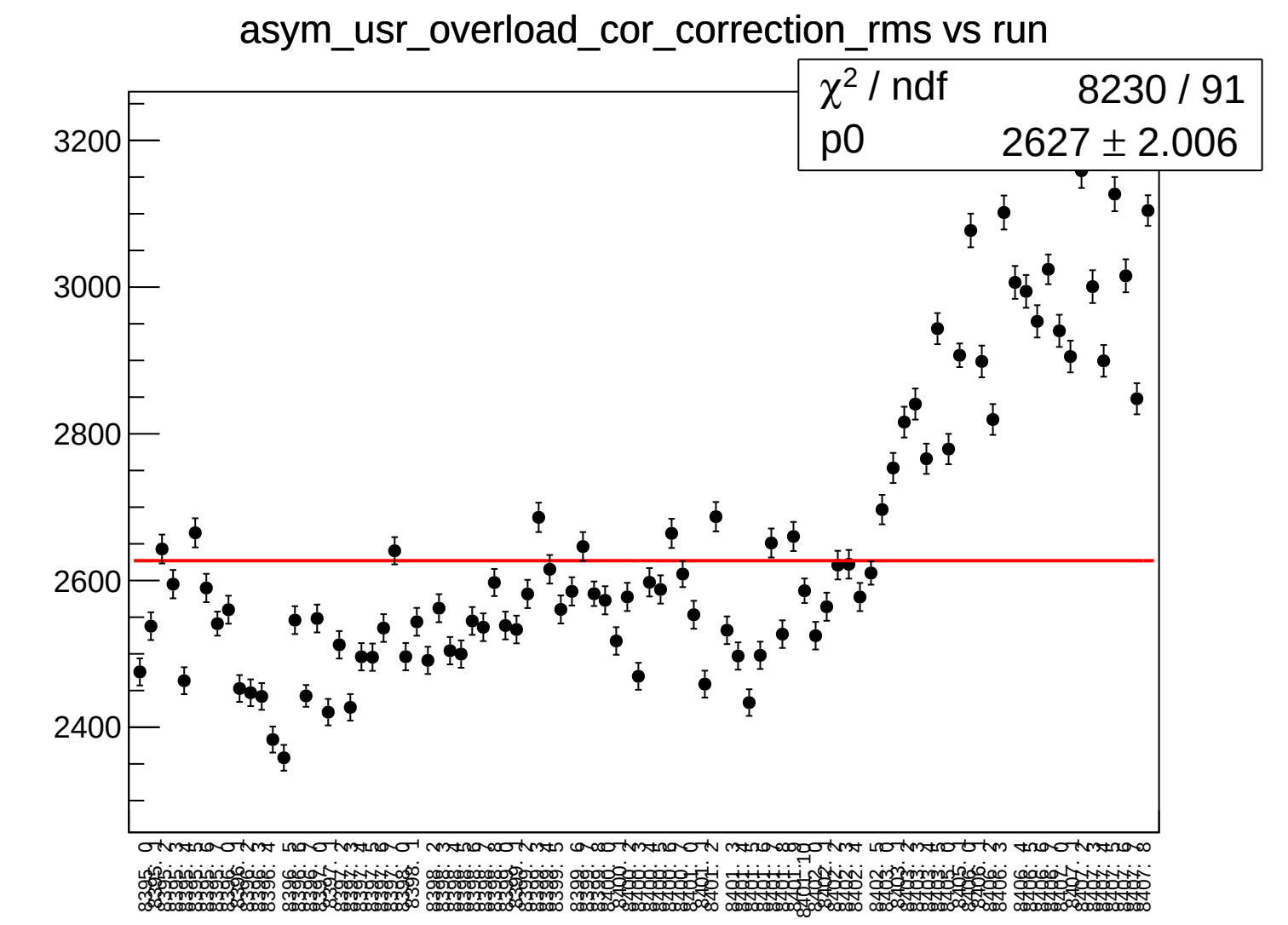

overload_cor_asym_usr_mean vs run
χ² / ndf 63.19 / 91
p0 990.9 ± 1147
pull
Entries 92
Mean 684.4
Std Dev 0

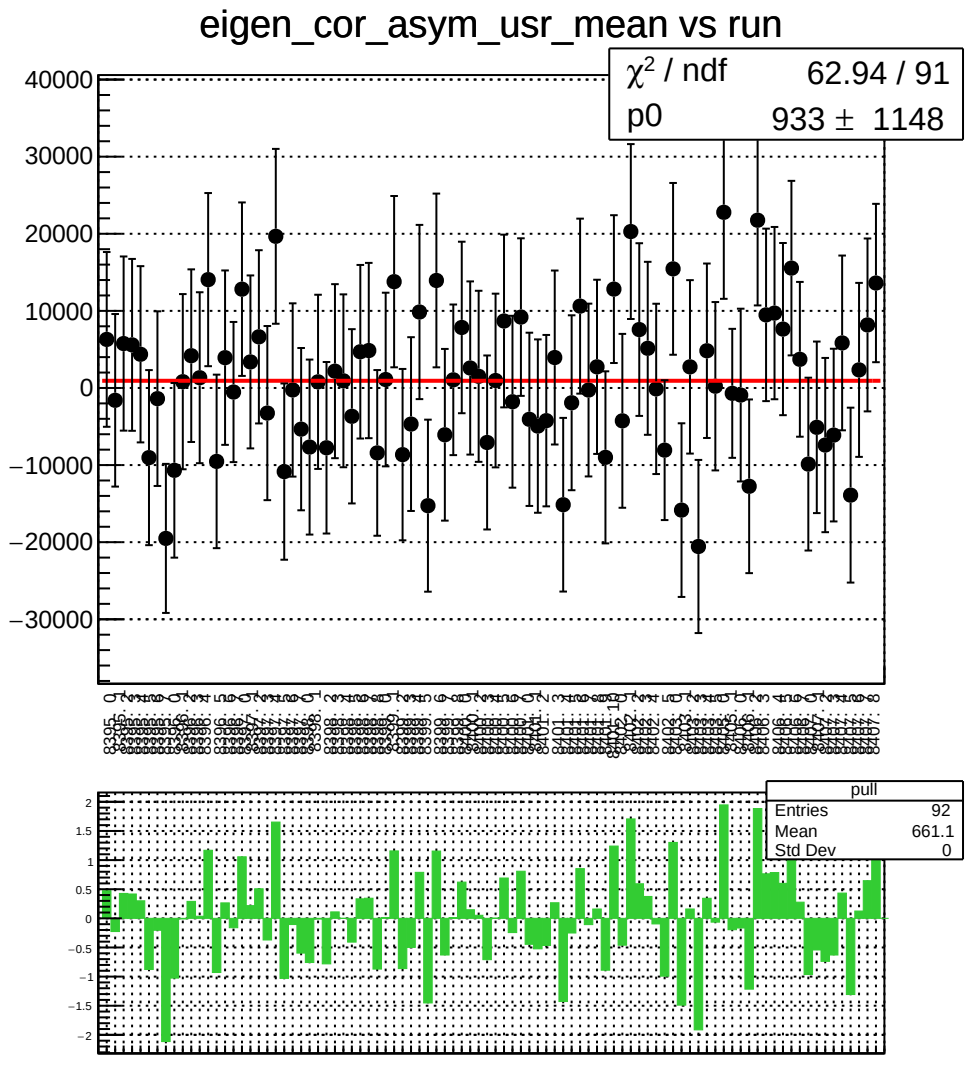

pull1D
Entries 92
Mean 0.003263
Std Dev 0.8287

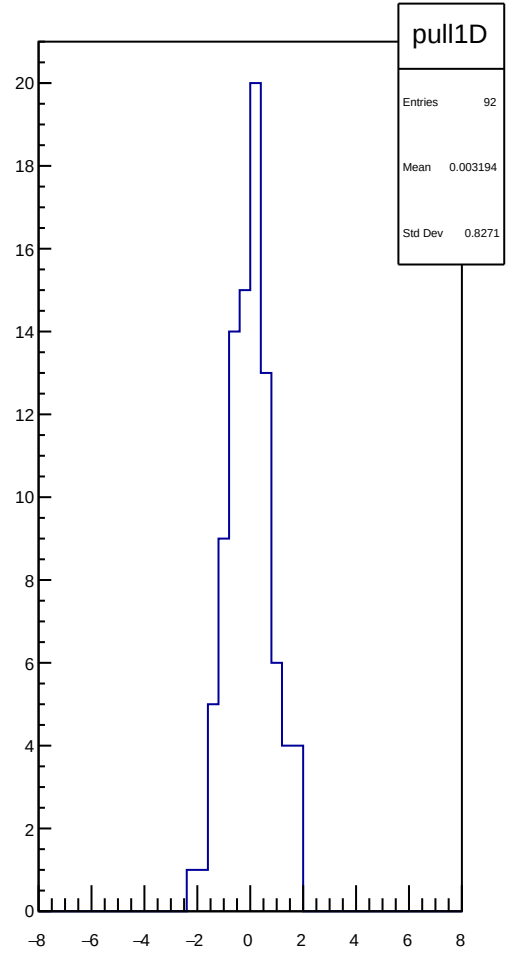

overload_cor_asym_usr_rms vs run
χ² / ndf 98.99 / 91
p0 1064 ± 0.8107
1090
1080
1070
1060
1050
1040

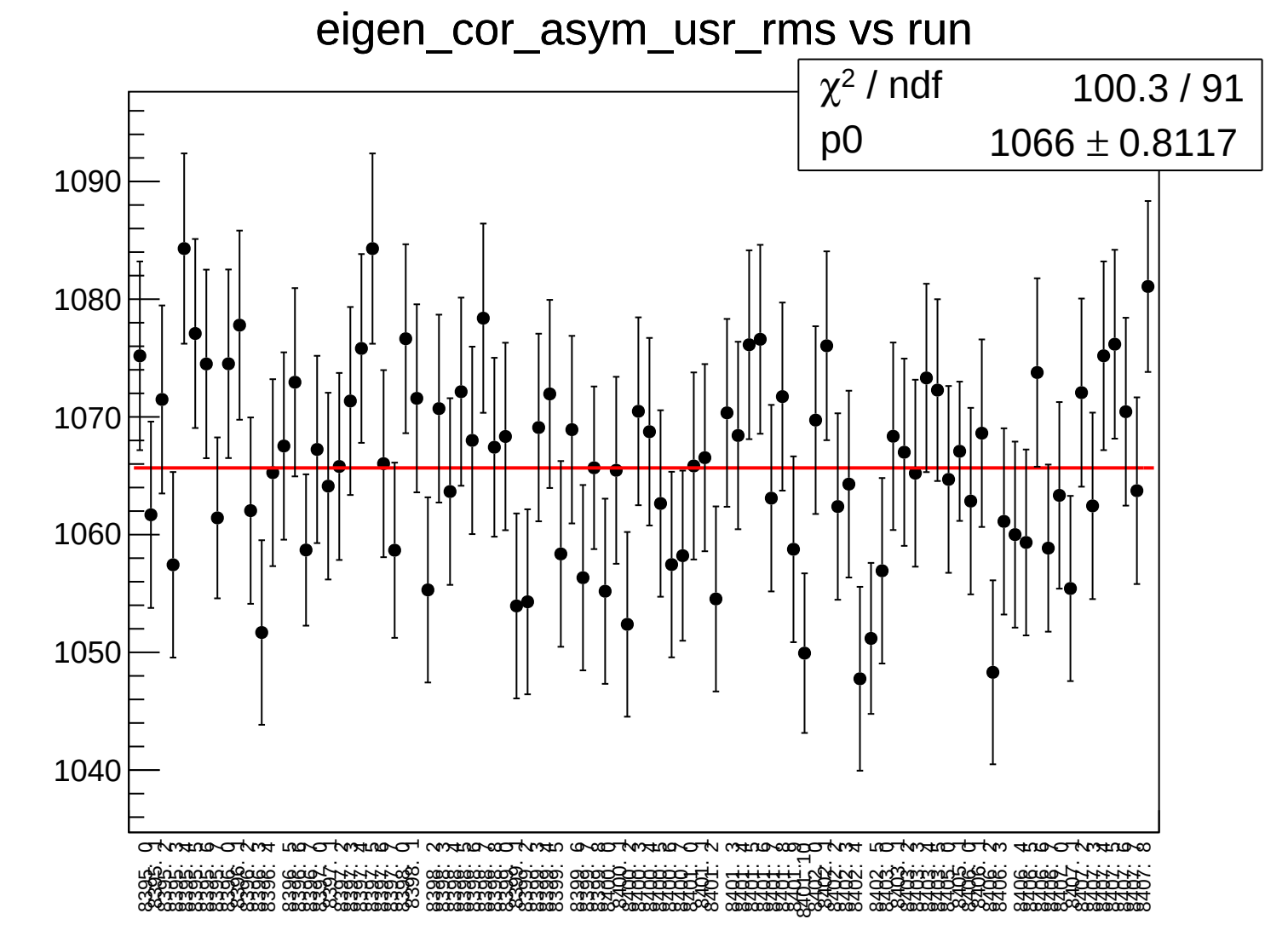

asym_usr_overload_cor_correction_mean vs run
×10^3
χ² / ndf 87.26 / 91
p0 −255.4 ± 2837
100
50
0
−50
−100
pull
Entries 92
Mean 251.8
Std Dev 0
2
1
0
−1
−2

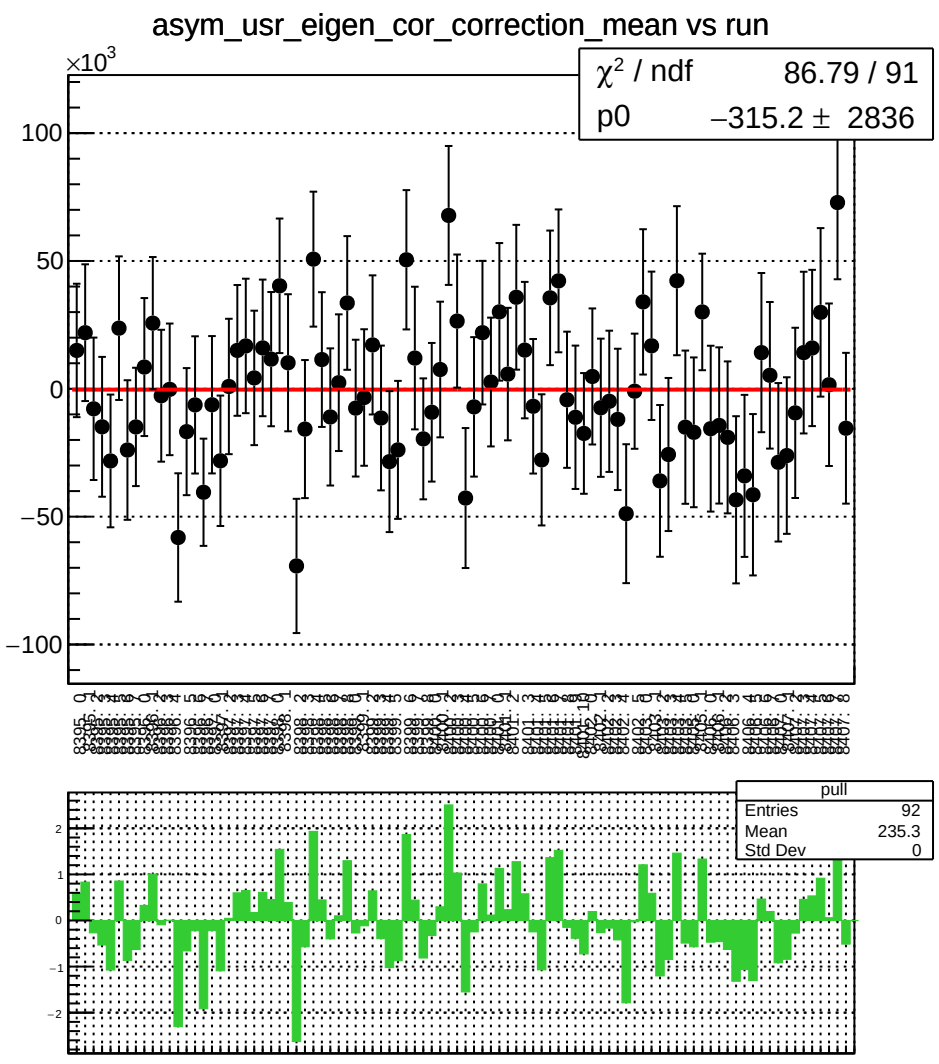

pull1D
Entries 92
Mean 0.003145
Std Dev 0.9739
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

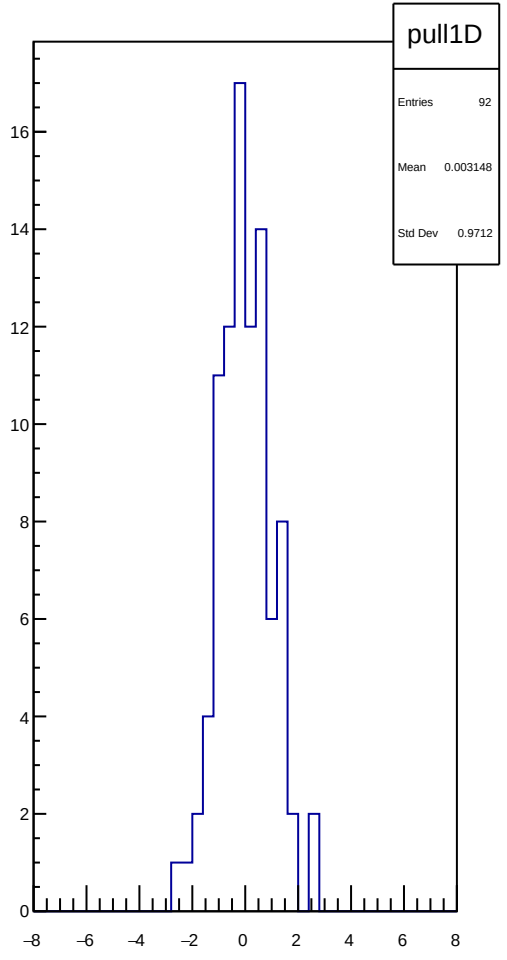

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 8230 / 91
p0 2627 ± 2.006
3200
3000
2800
2600
2400

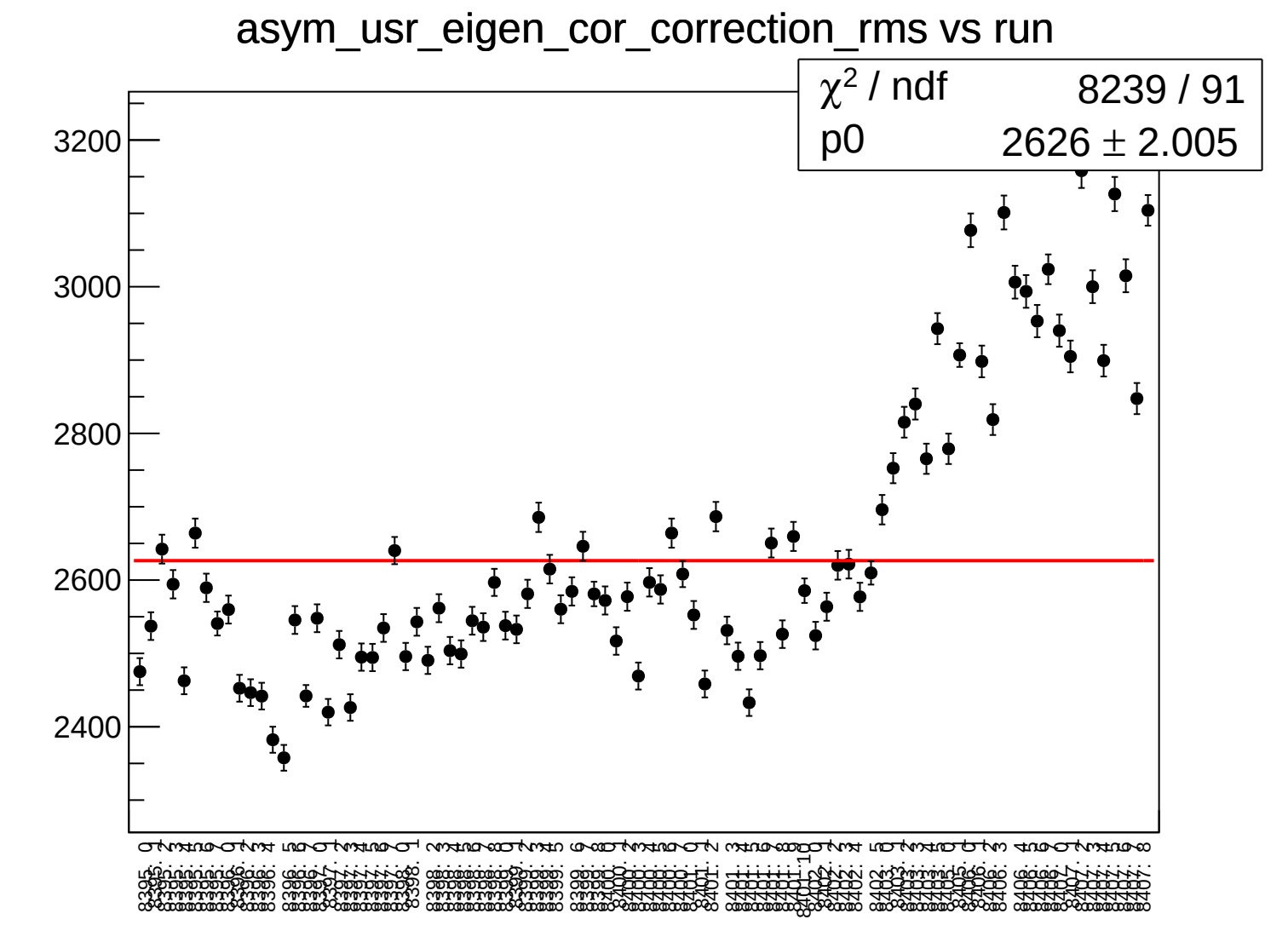

eigen_cor_asym_usr_mean vs run
χ² / ndf 62.94 / 91
p0 933 ± 1148
pull
Entries 92
Mean 661.1
Std Dev 0

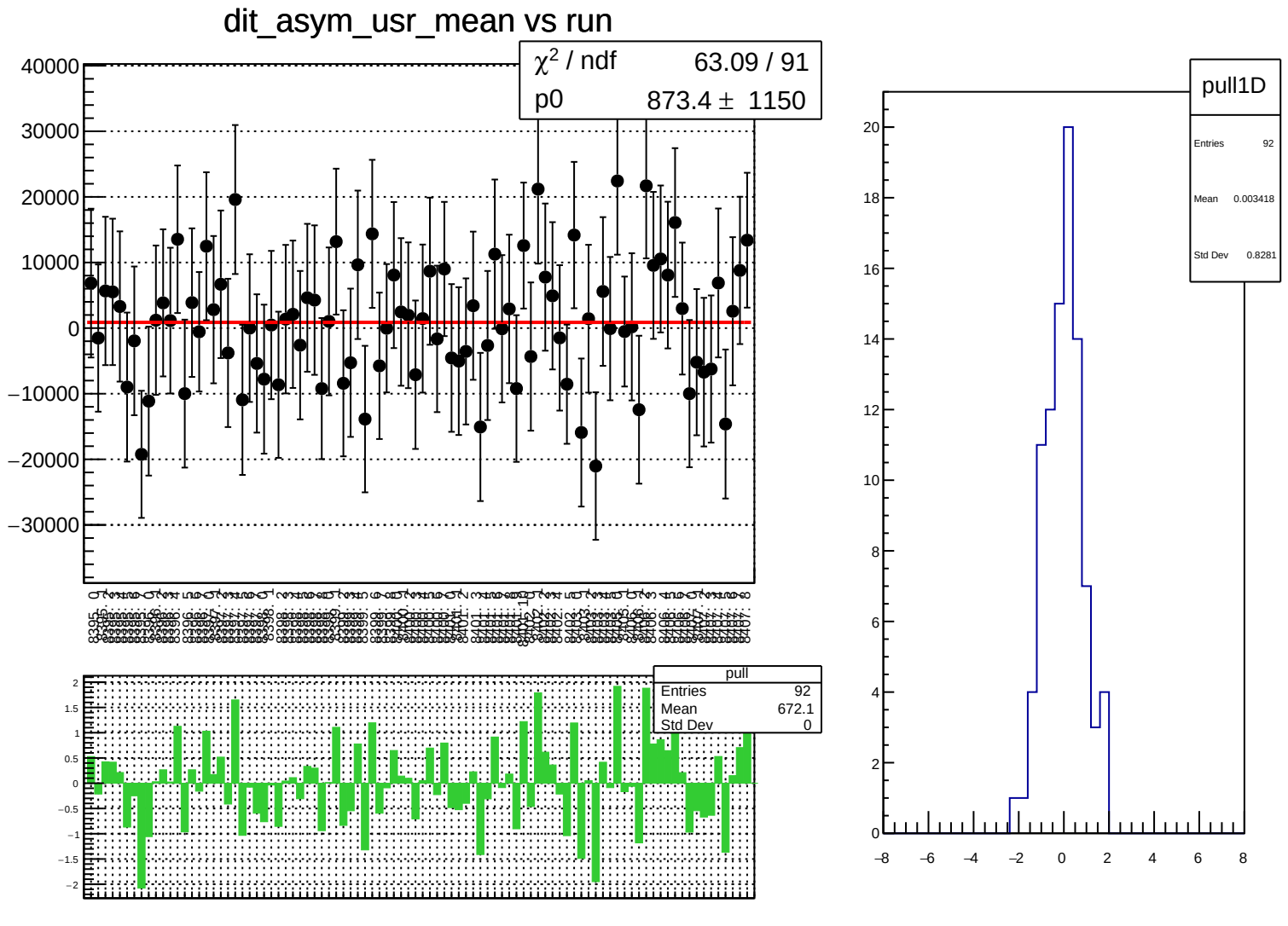

pull1D
Entries 92
Mean 0.003194
Std Dev 0.8271

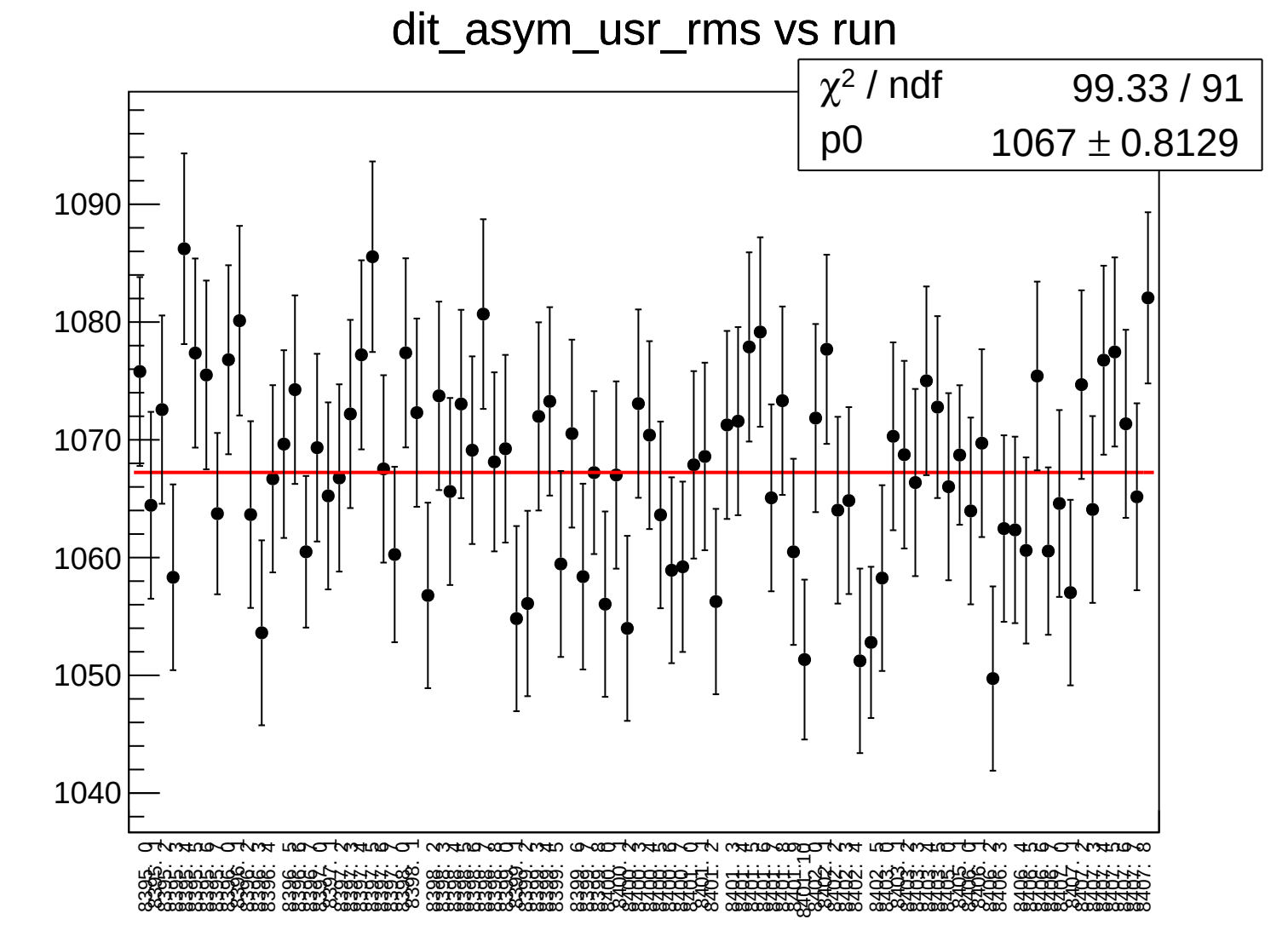

eigen_cor_asym_usr_rms vs run
χ² / ndf 100.3 / 91
p0 1066 ± 0.8117
1090
1080
1070
1060
1050
1040

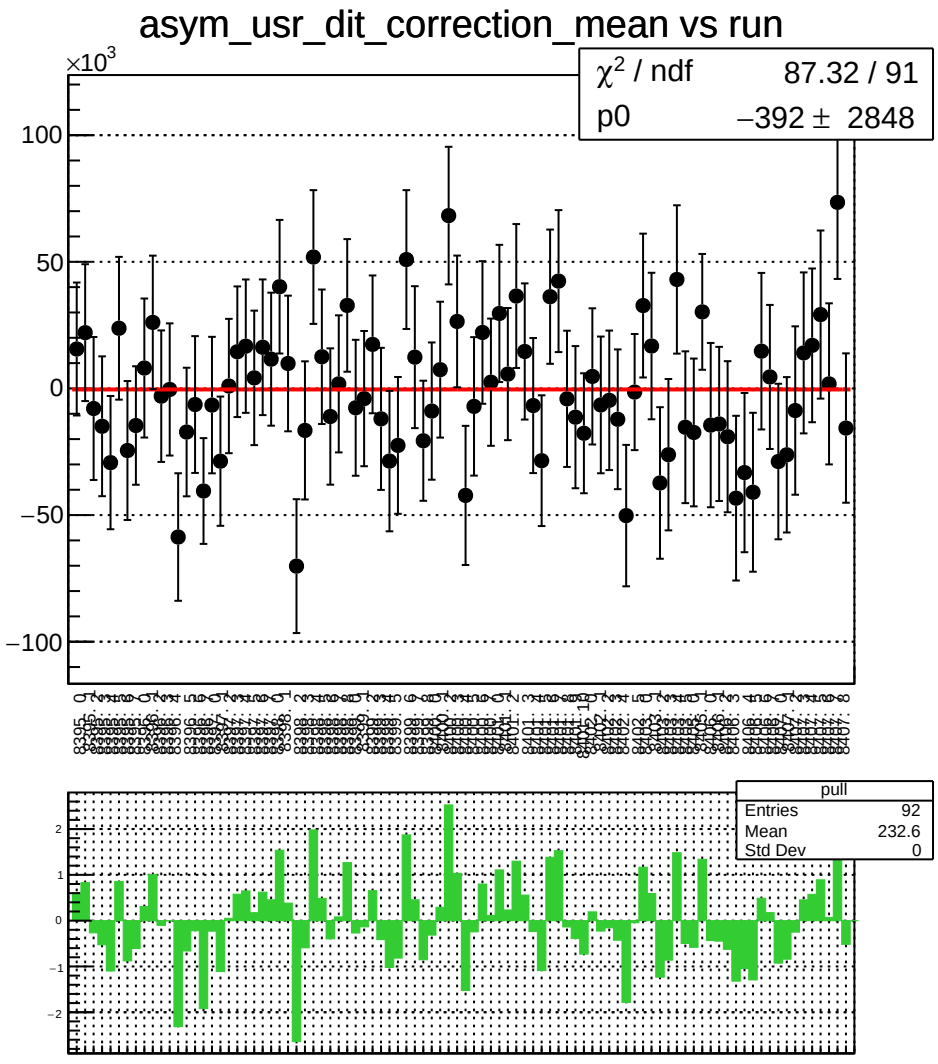

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 86.79 / 91
p0 −315.2 ± 2836
100
50
0
−50
−100
pull
Entries 92
Mean 235.3
Std Dev 0
2
1
0
−1
−2

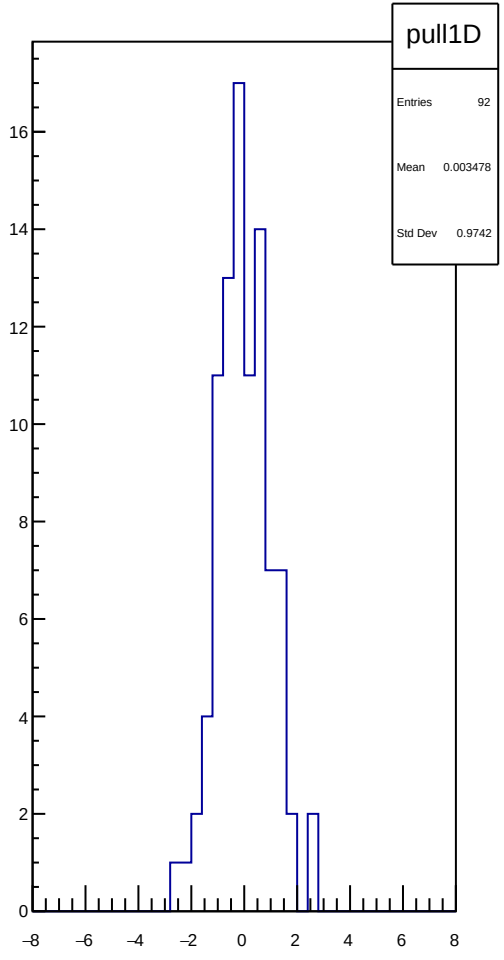

pull1D
Entries 92
Mean 0.003148
Std Dev 0.9712
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

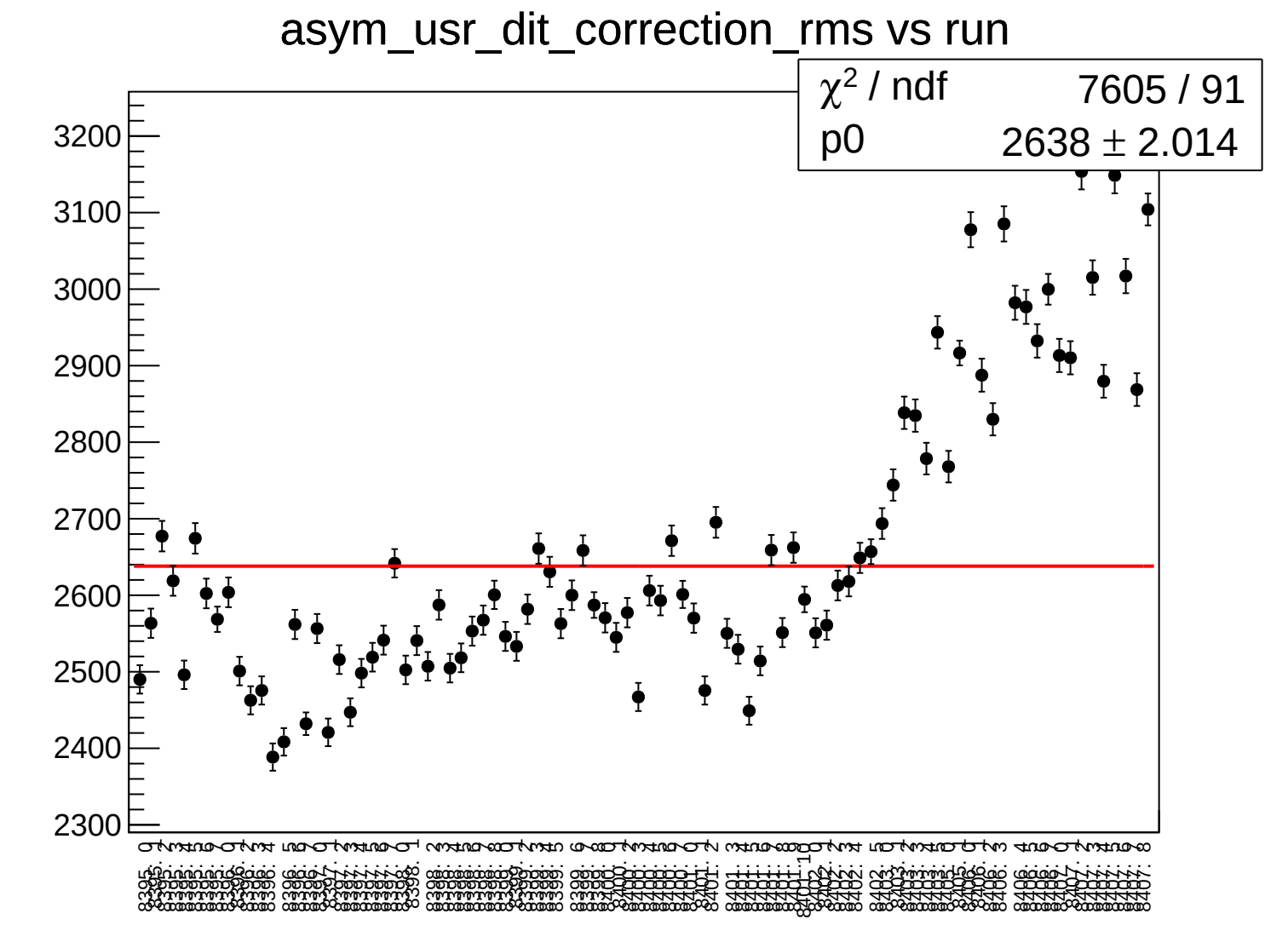

asym_usr_eigen_cor_correction_rms vs run
$\chi^2$ / ndf 8239 / 91
p0 2626 ± 2.005
3200
3000
2800
2600
2400

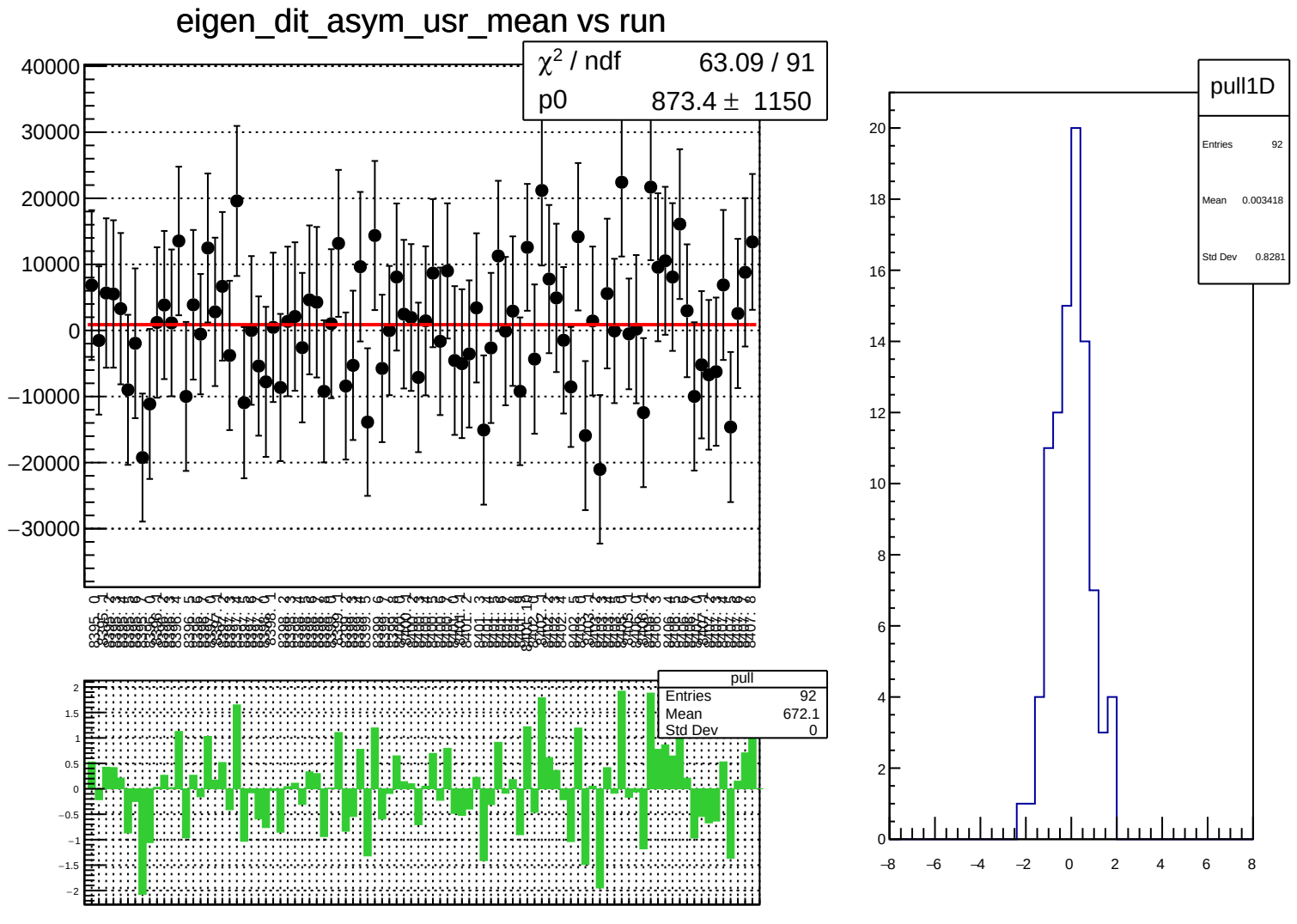

dit_asym_usr_mean vs run
χ² / ndf 63.09 / 91
p0 873.4 ± 1150
pull
Entries 92
Mean 672.1
Std Dev 0
pull1D
Entries 92
Mean 0.003418
Std Dev 0.8281

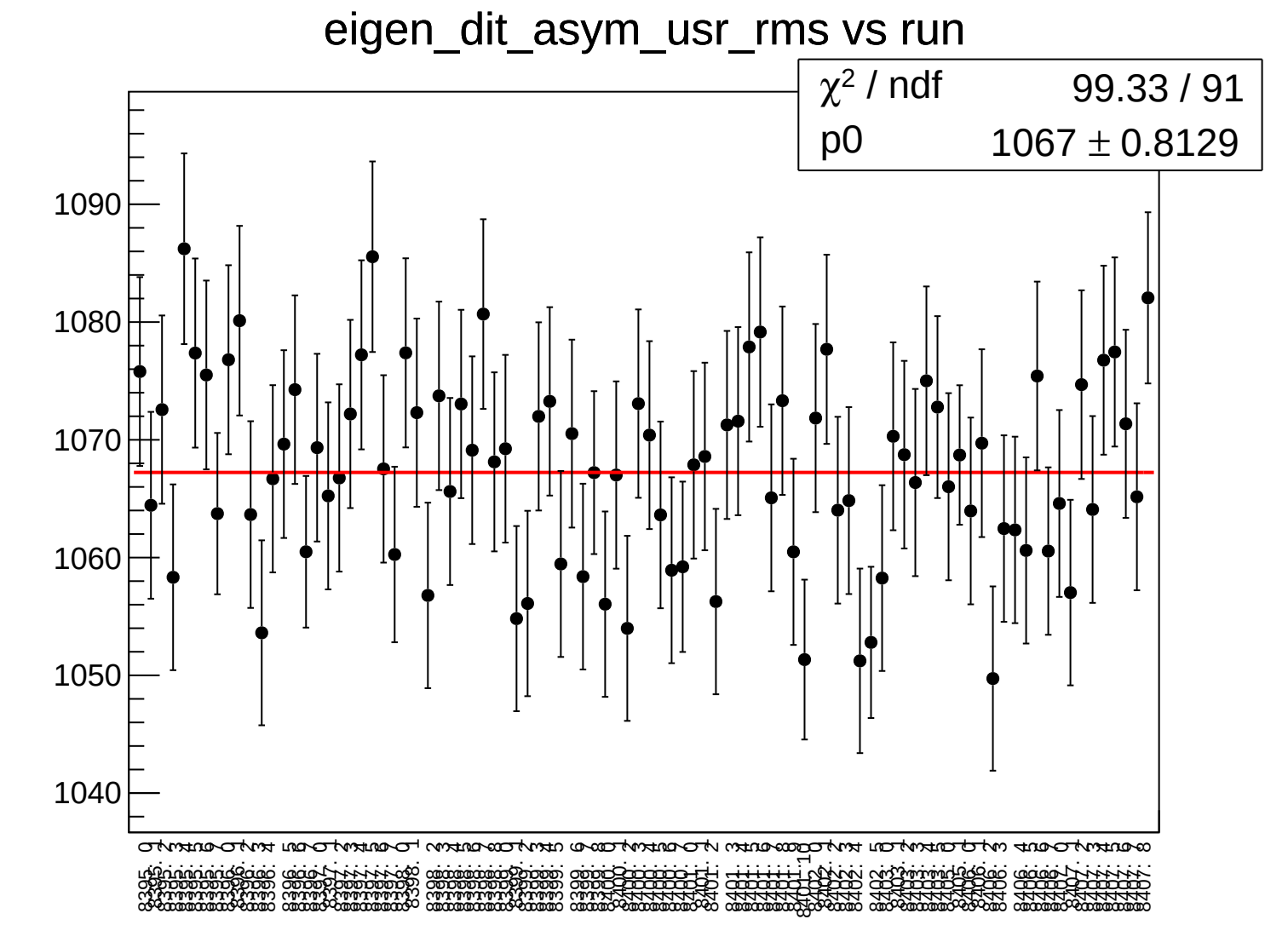

dit_asym_usr_rms vs run
χ² / ndf 99.33 / 91
p0 1067 ± 0.8129
1090
1080
1070
1060
1050
1040

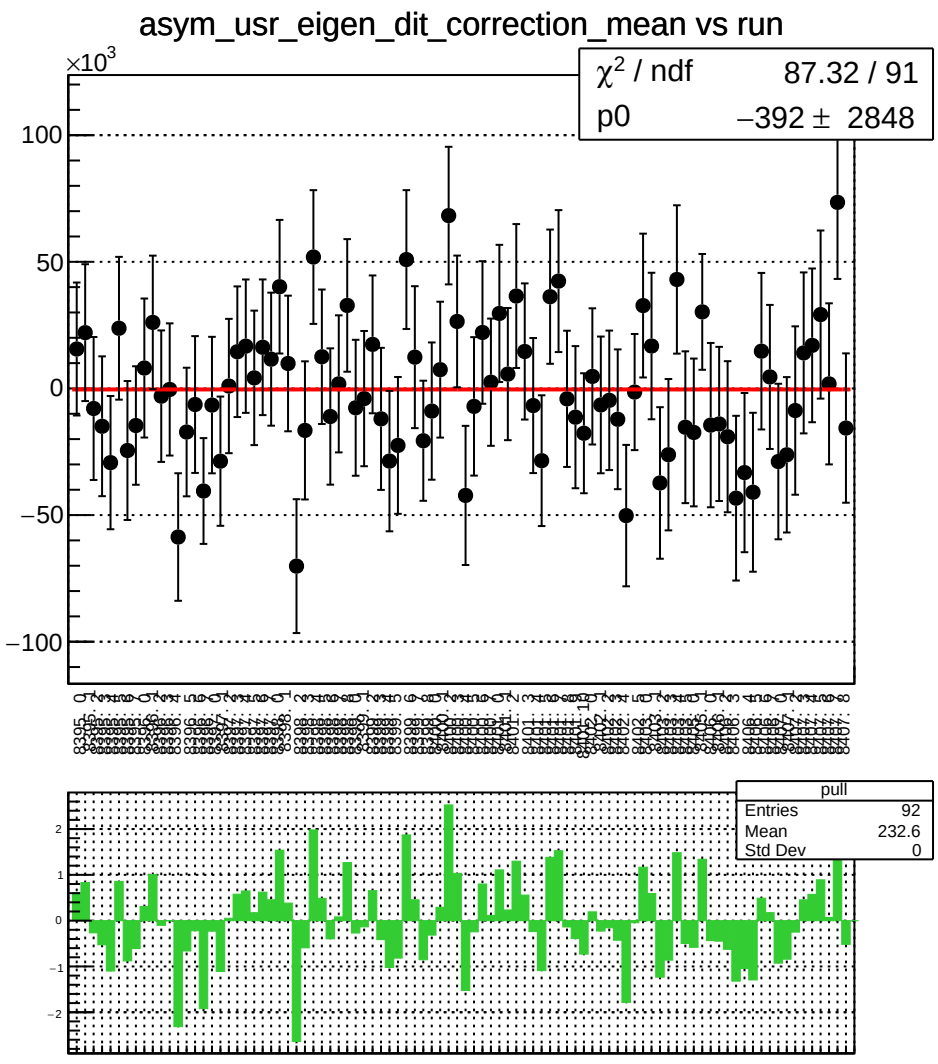

asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 87.32 / 91
p0 −392 ± 2848
100
50
0
−50
−100
pull
Entries 92
Mean 232.6
Std Dev 0
2
1
0
−1
−2

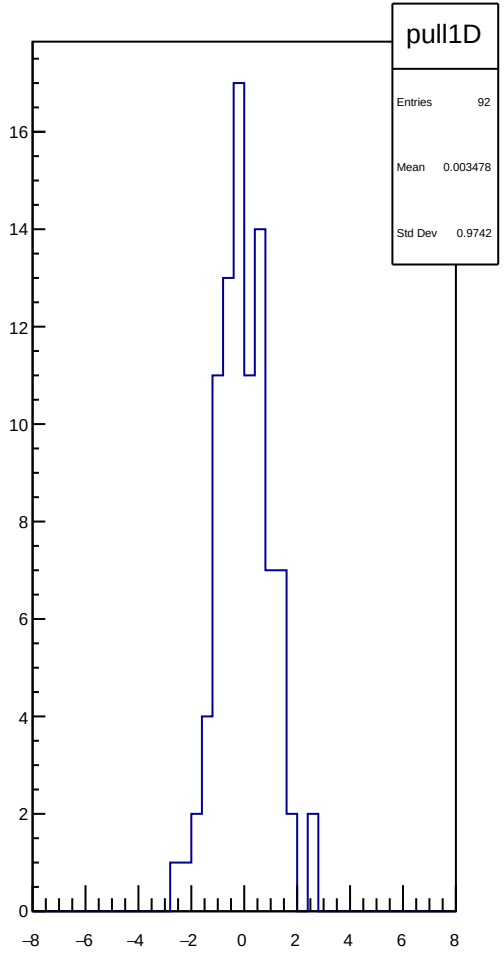

pull1D
Entries 92
Mean 0.003478
Std Dev 0.9742
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

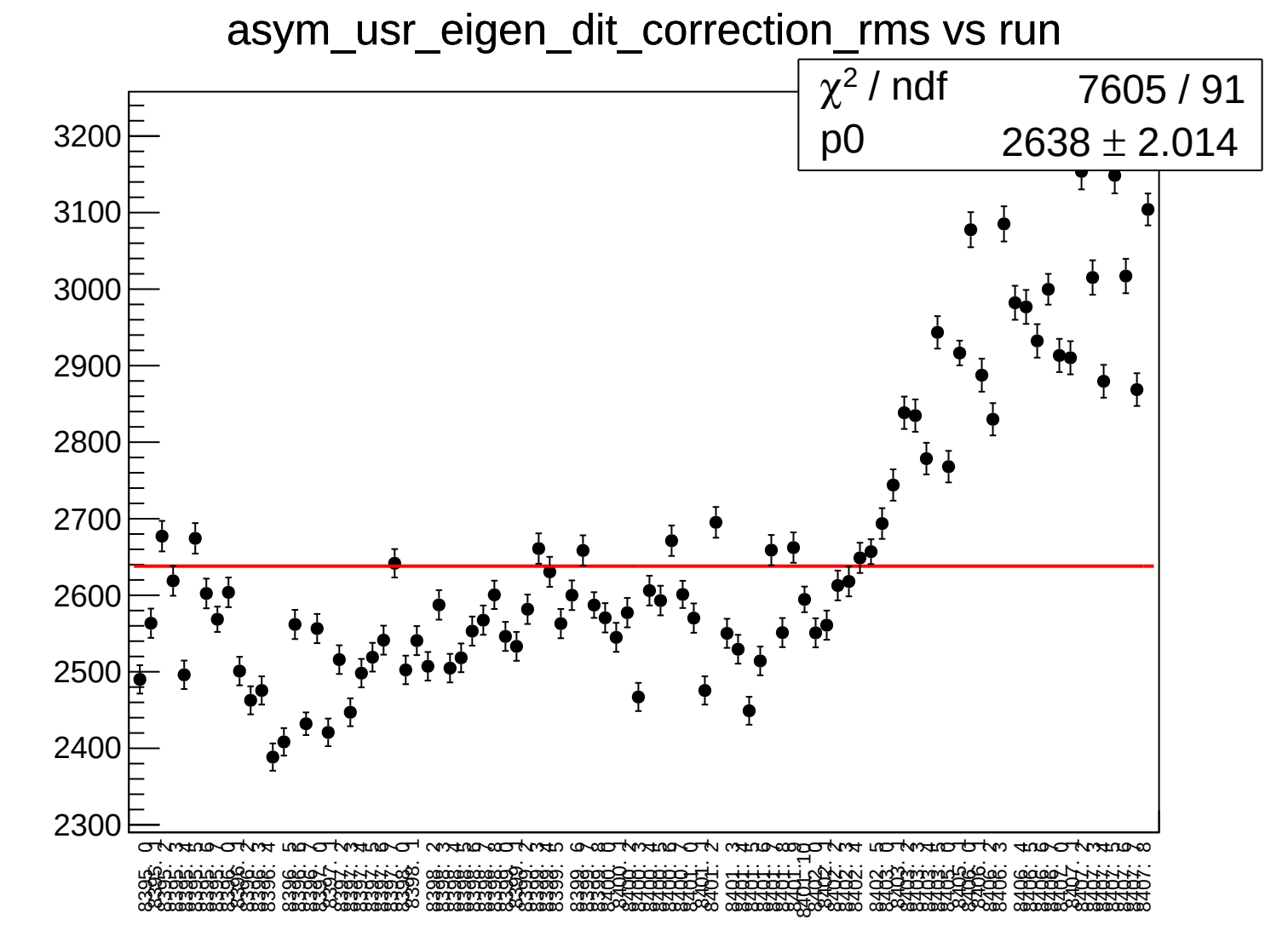

asym_usr_dit_correction_rms vs run
χ² / ndf 7605 / 91
p0 2638 ± 2.014
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

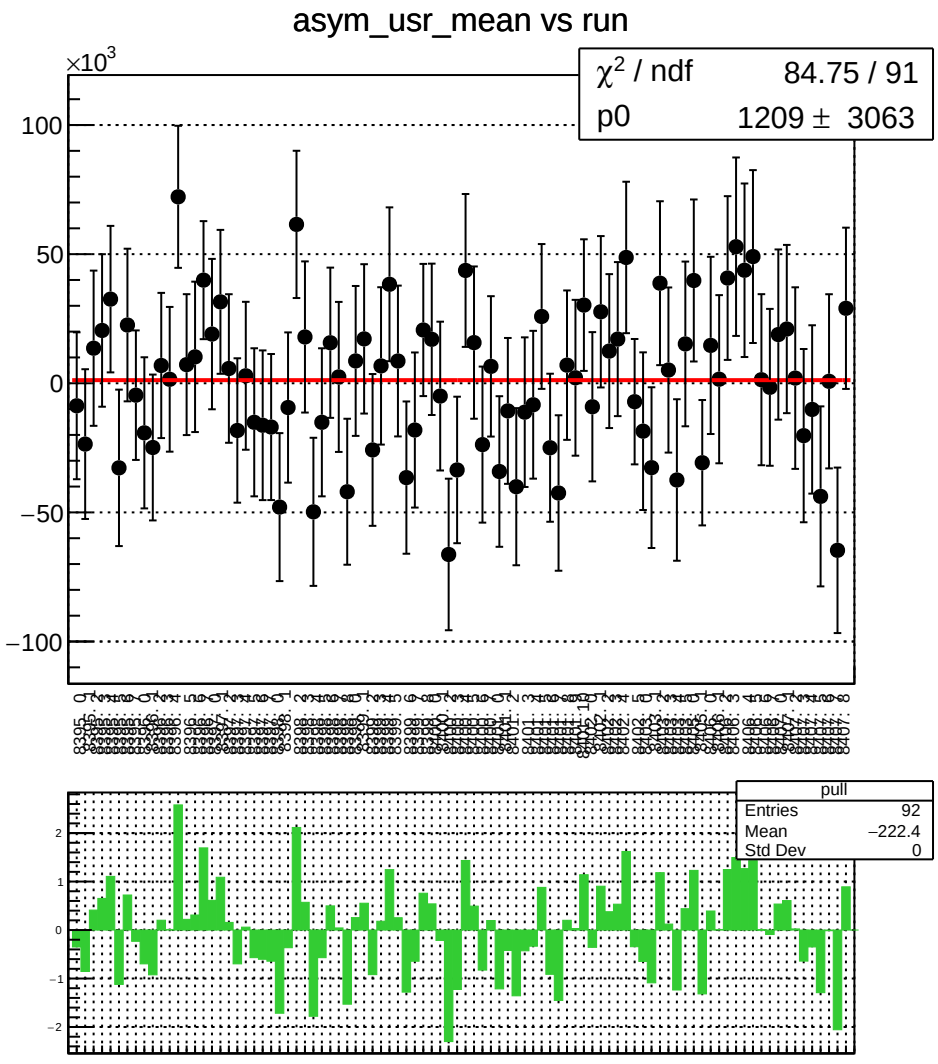

eigen_dit_asym_usr_mean vs run
χ² / ndf 63.09 / 91
p0 873.4 ± 1150
pull
Entries 92
Mean 672.1
Std Dev 0
pull1D
Entries 92
Mean 0.003418
Std Dev 0.8281

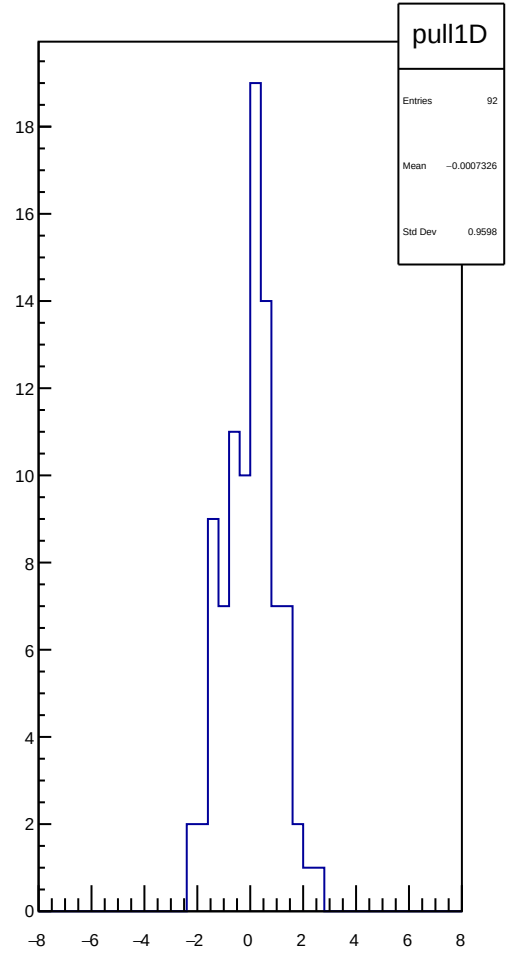

eigen_dit_asym_usr_rms vs run
$\chi^2$ / ndf 99.33 / 91
p0 1067 ± 0.8129
1090
1080
1070
1060
1050
1040

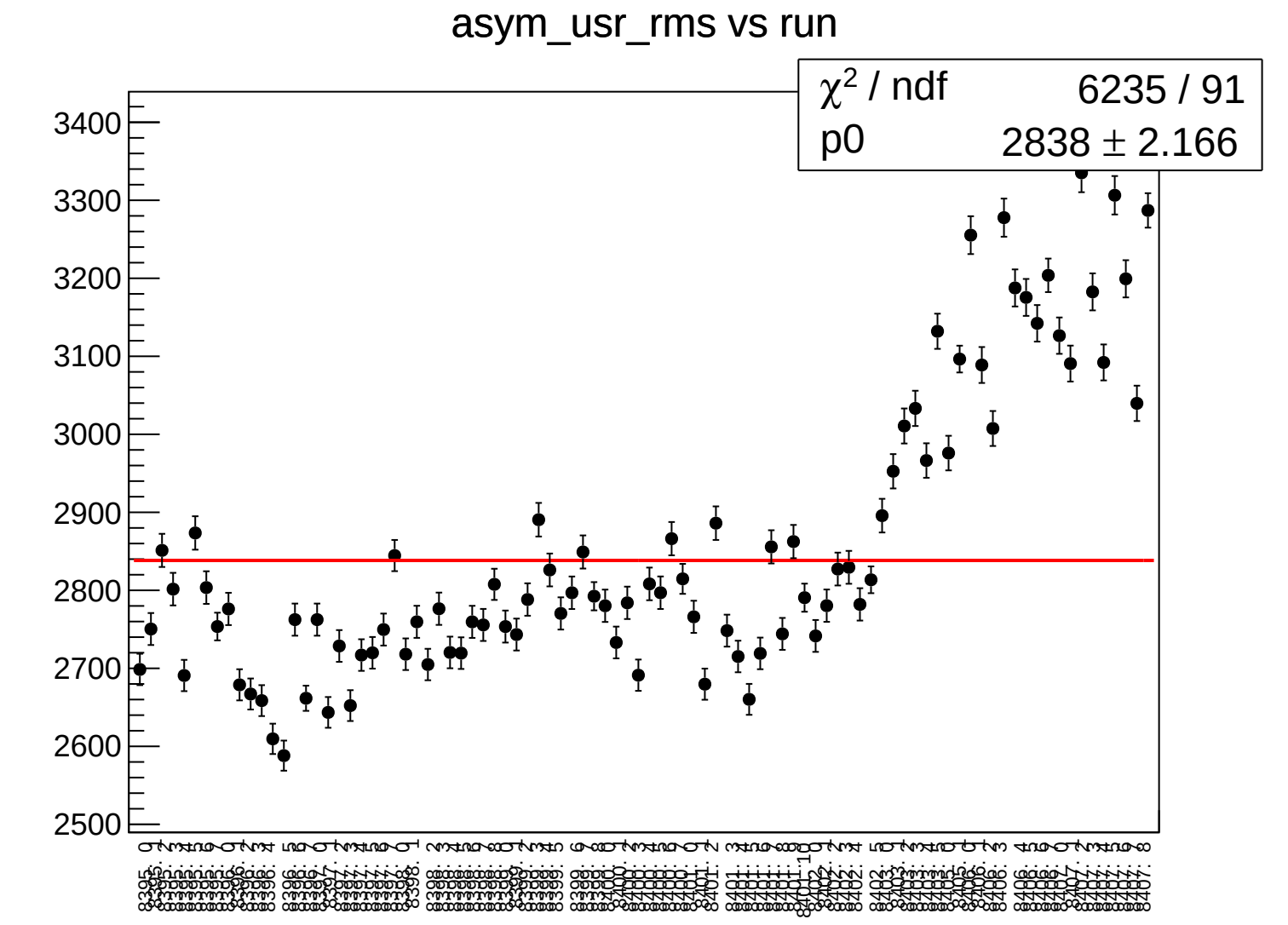

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 87.32 / 91
p0 −392 ± 2848
100
50
0
−50
−100
pull
Entries 92
Mean 232.6
Std Dev 0
2
1
0
−1
−2

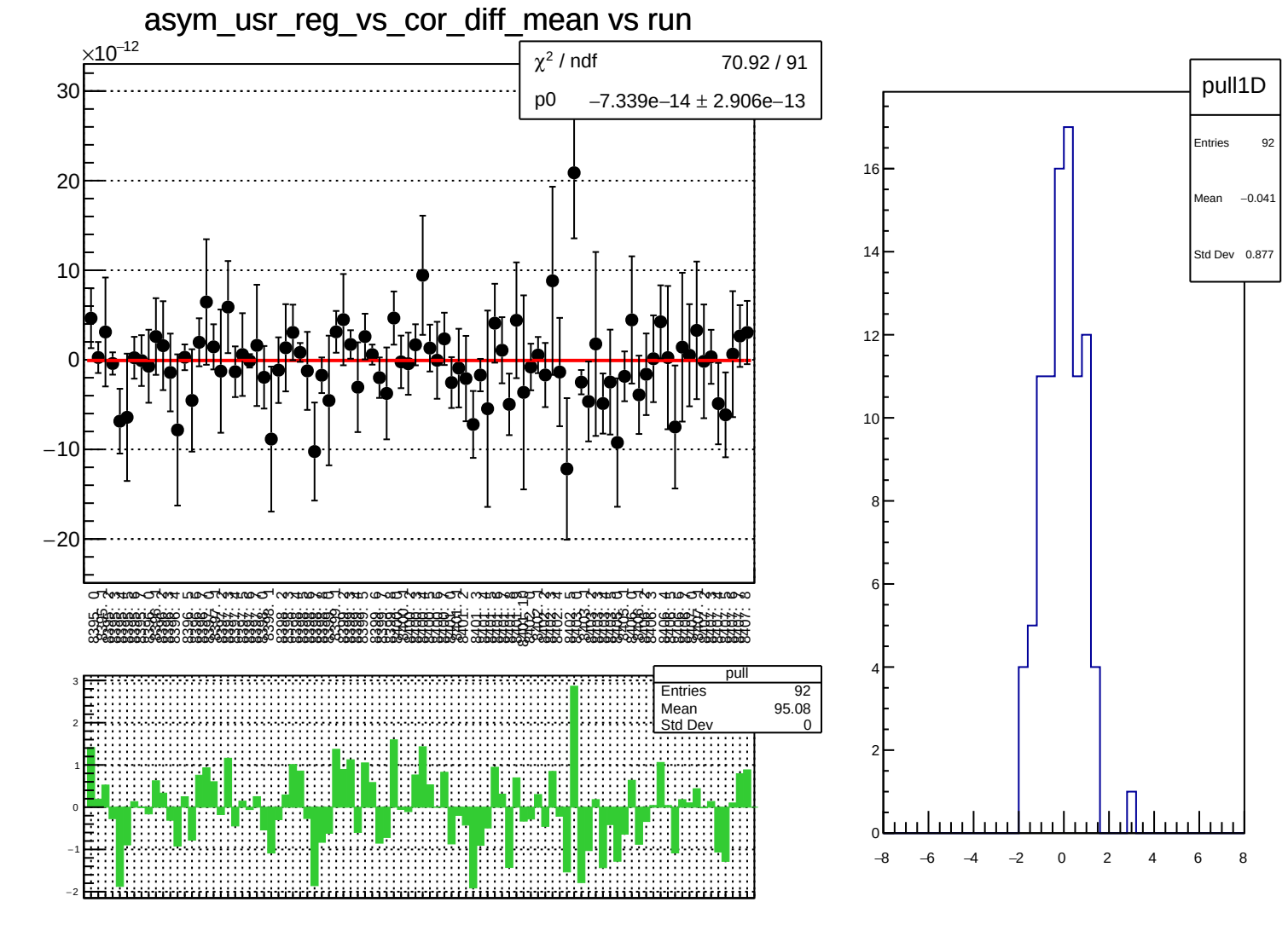

pull1D
Entries 92
Mean 0.003478
Std Dev 0.9742
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

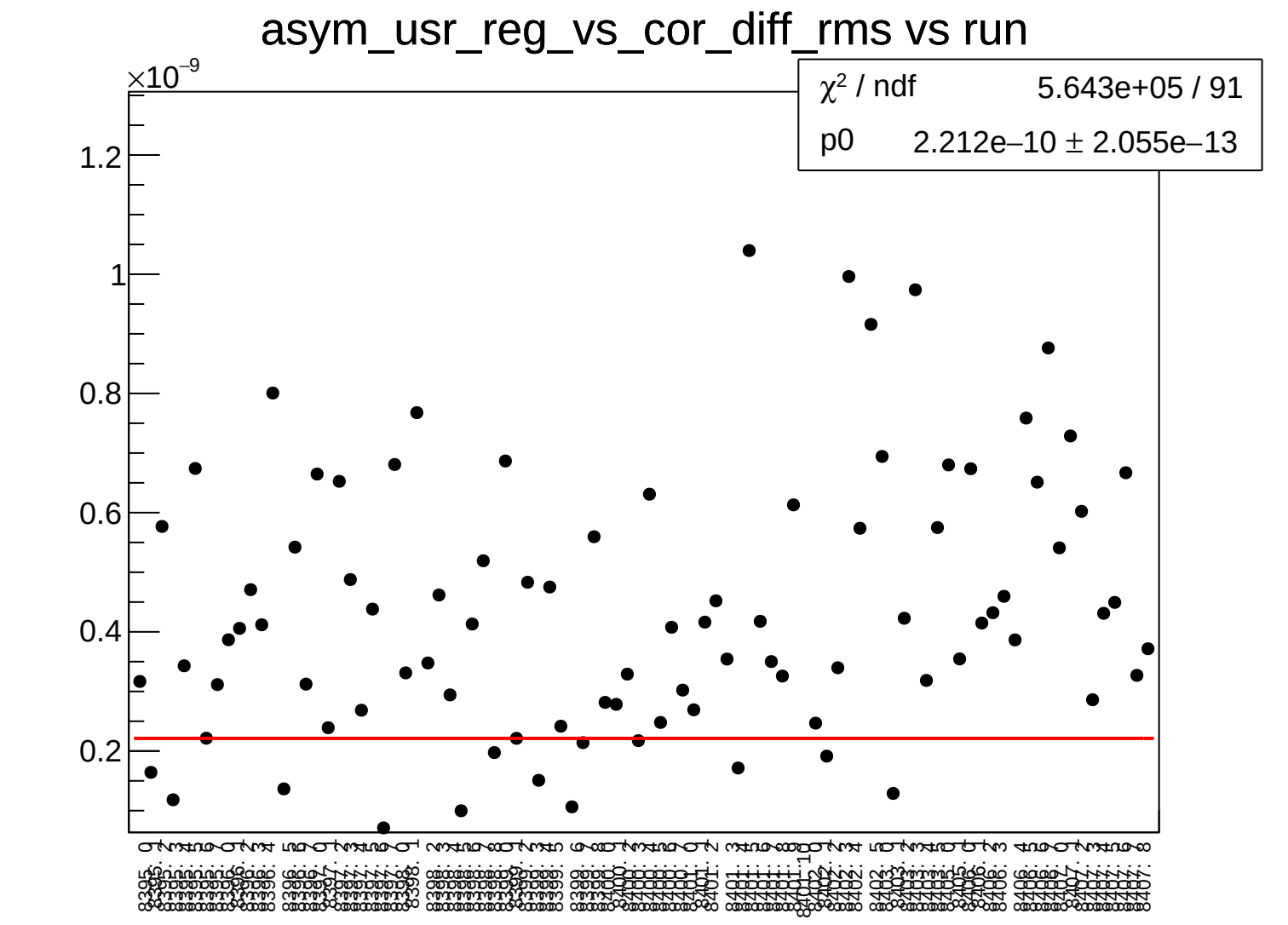

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 7605 / 91
p0 2638 ± 2.014
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

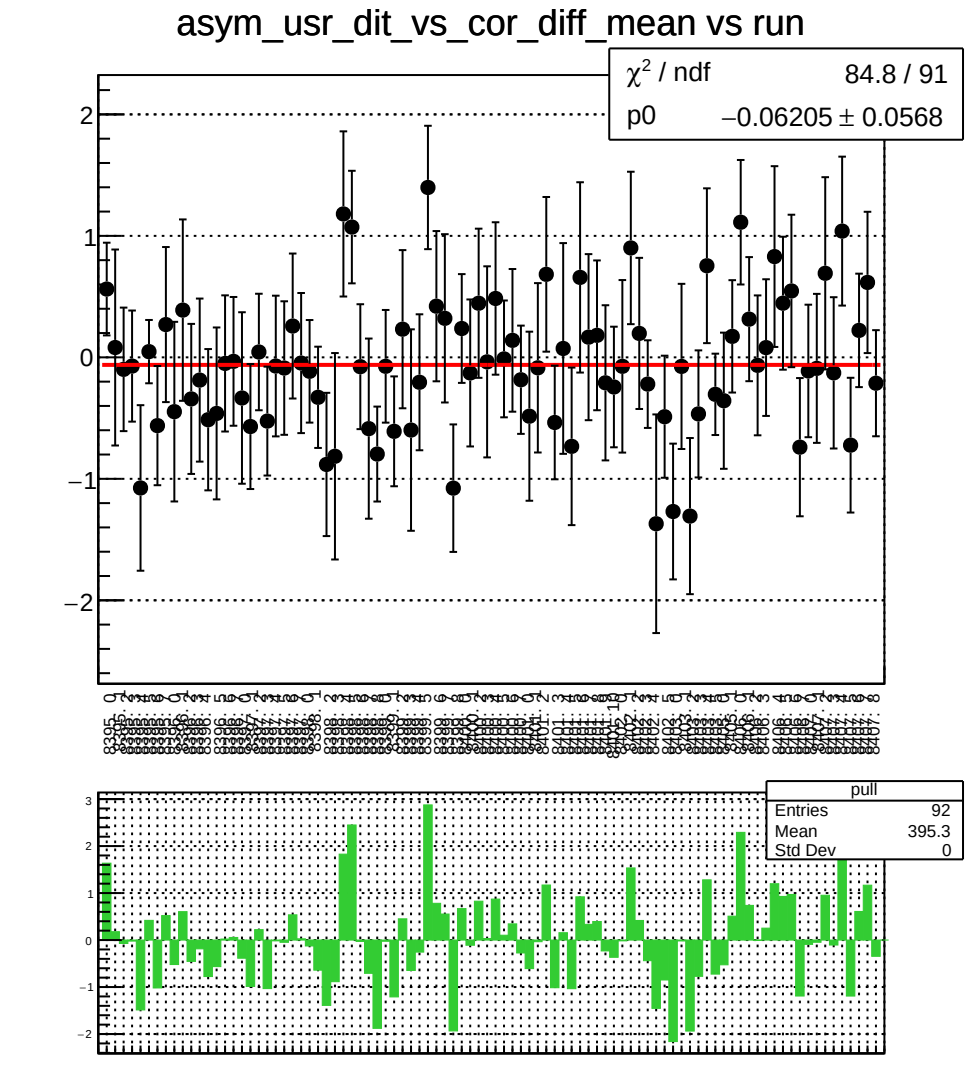

asym_usr_mean vs run
×10^3
χ² / ndf 84.75 / 91
p0 1209 ± 3063
100
50
0
−50
−100
pull
Entries 92
Mean −222.4
Std Dev 0
2
1
0
−1
−2

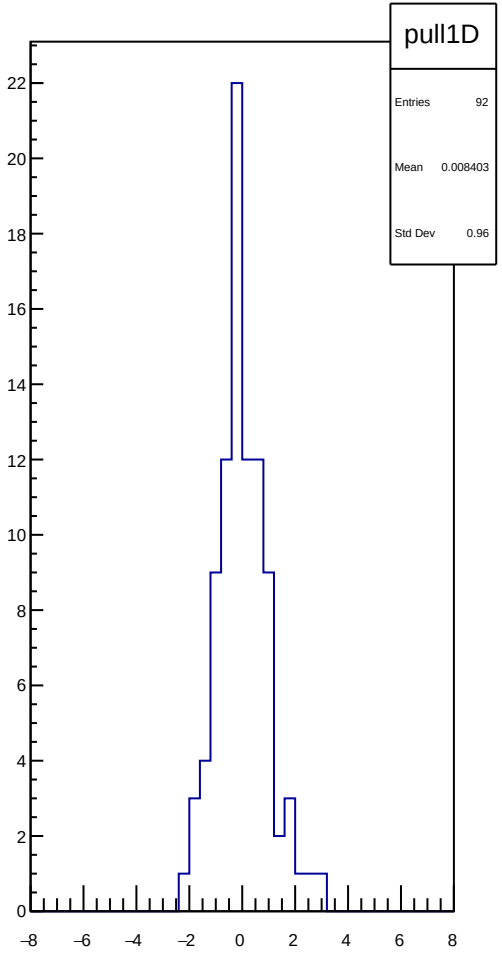

pull1D
Entries 92
Mean −0.0007326
Std Dev 0.9598
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

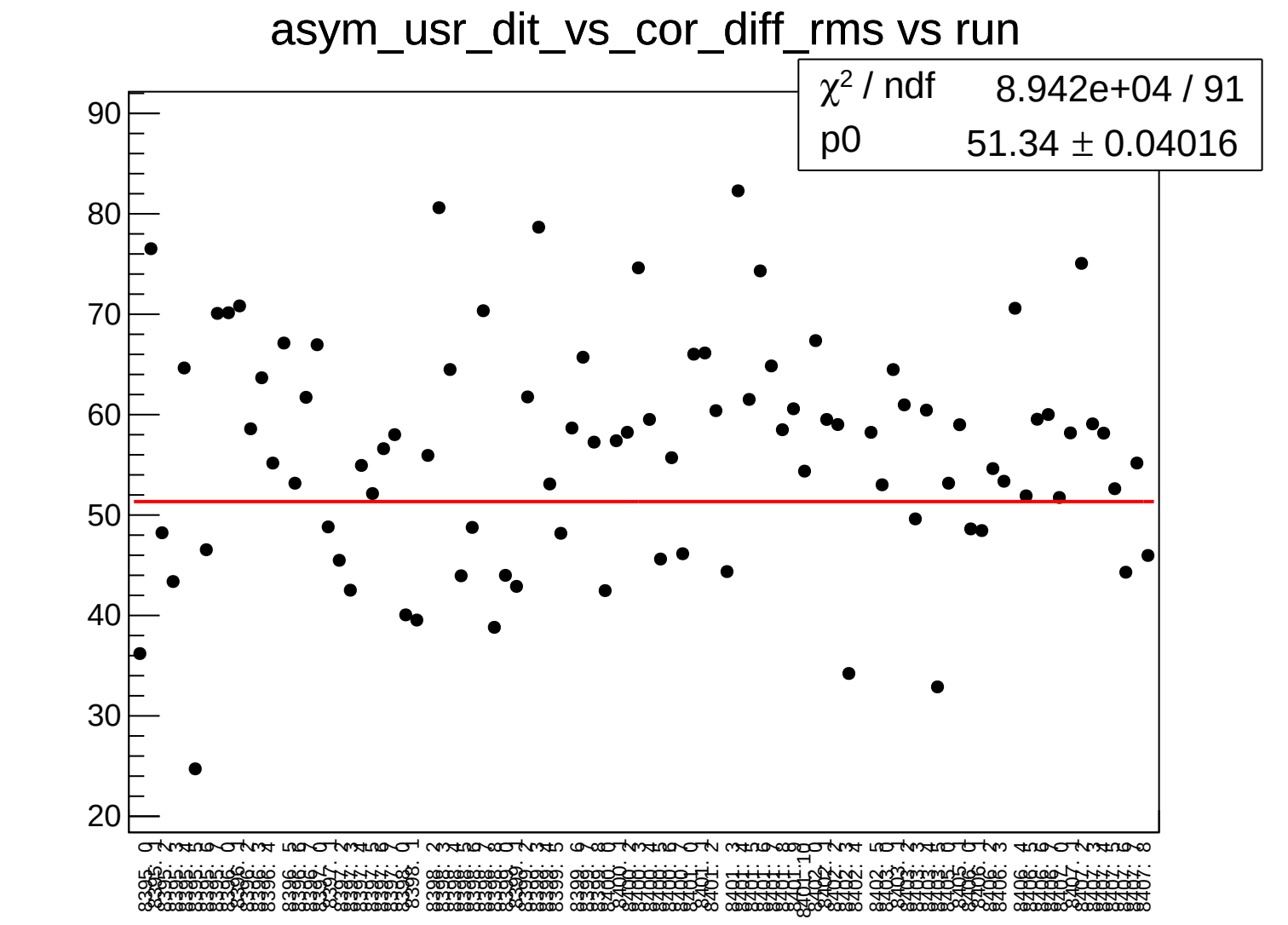

asym_usr_rms vs run
χ² / ndf 6235 / 91
p0 2838 ± 2.166
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500

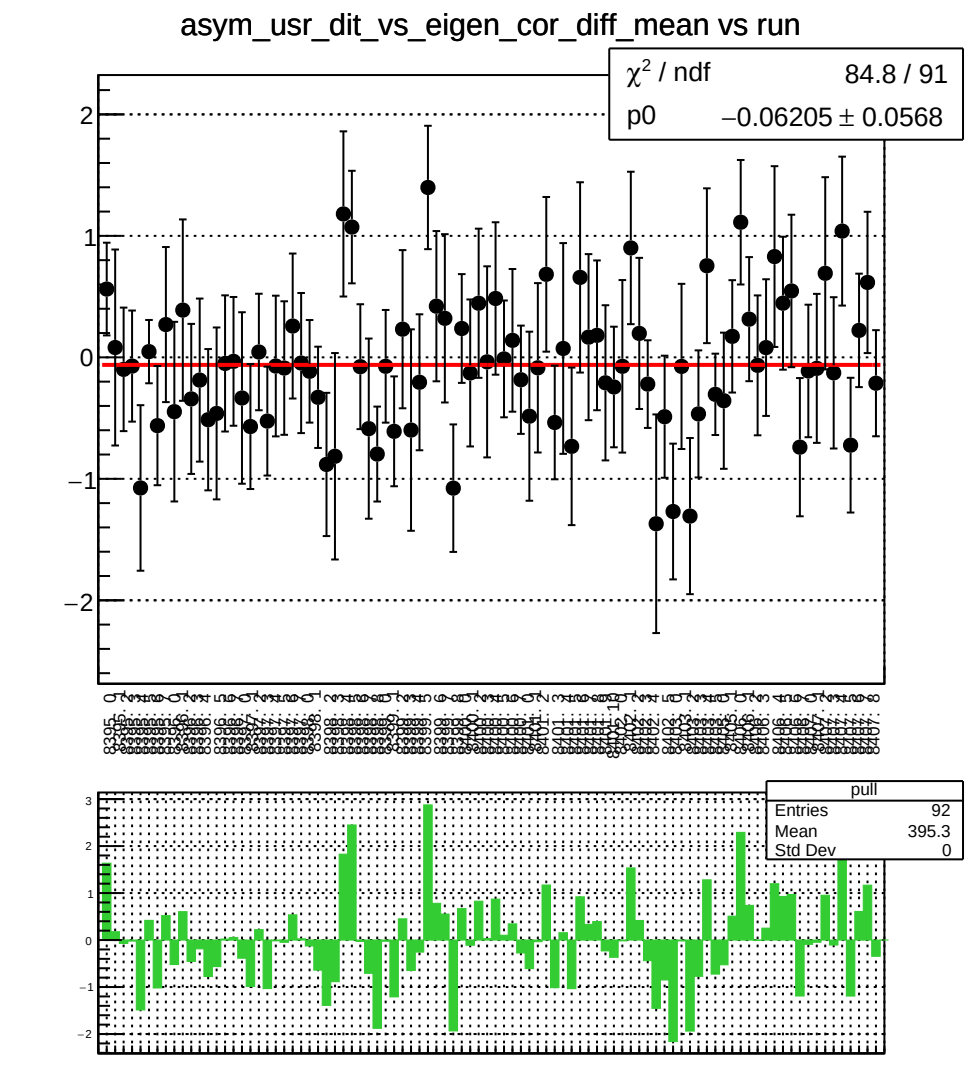

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.92 / 91
p0 −7.339e−14 ± 2.906e−13
pull
Entries 92
Mean 95.08
Std Dev 0
pull1D
Entries 92
Mean −0.041
Std Dev 0.877

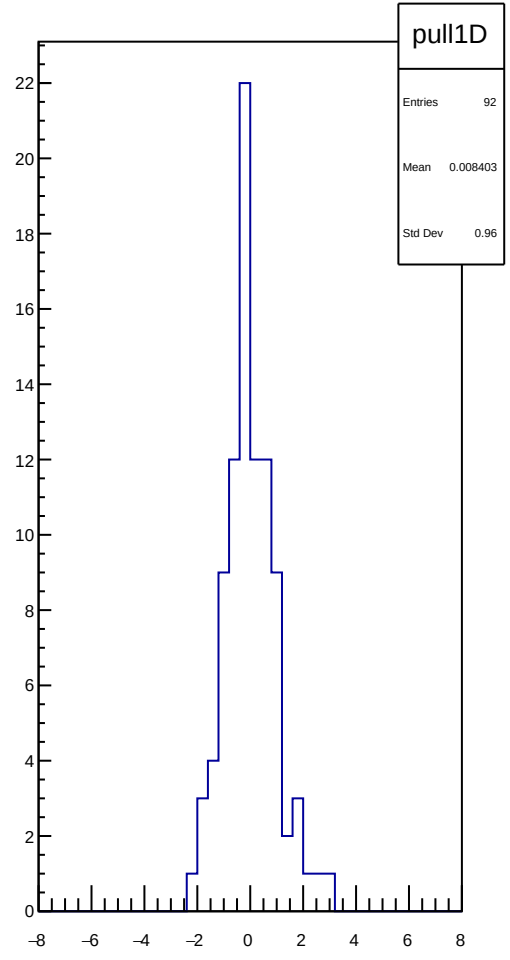

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.643e+05 / 91
p0 2.212e−10 ± 2.055e−13
1.2
1
0.8
0.6
0.4
0.2

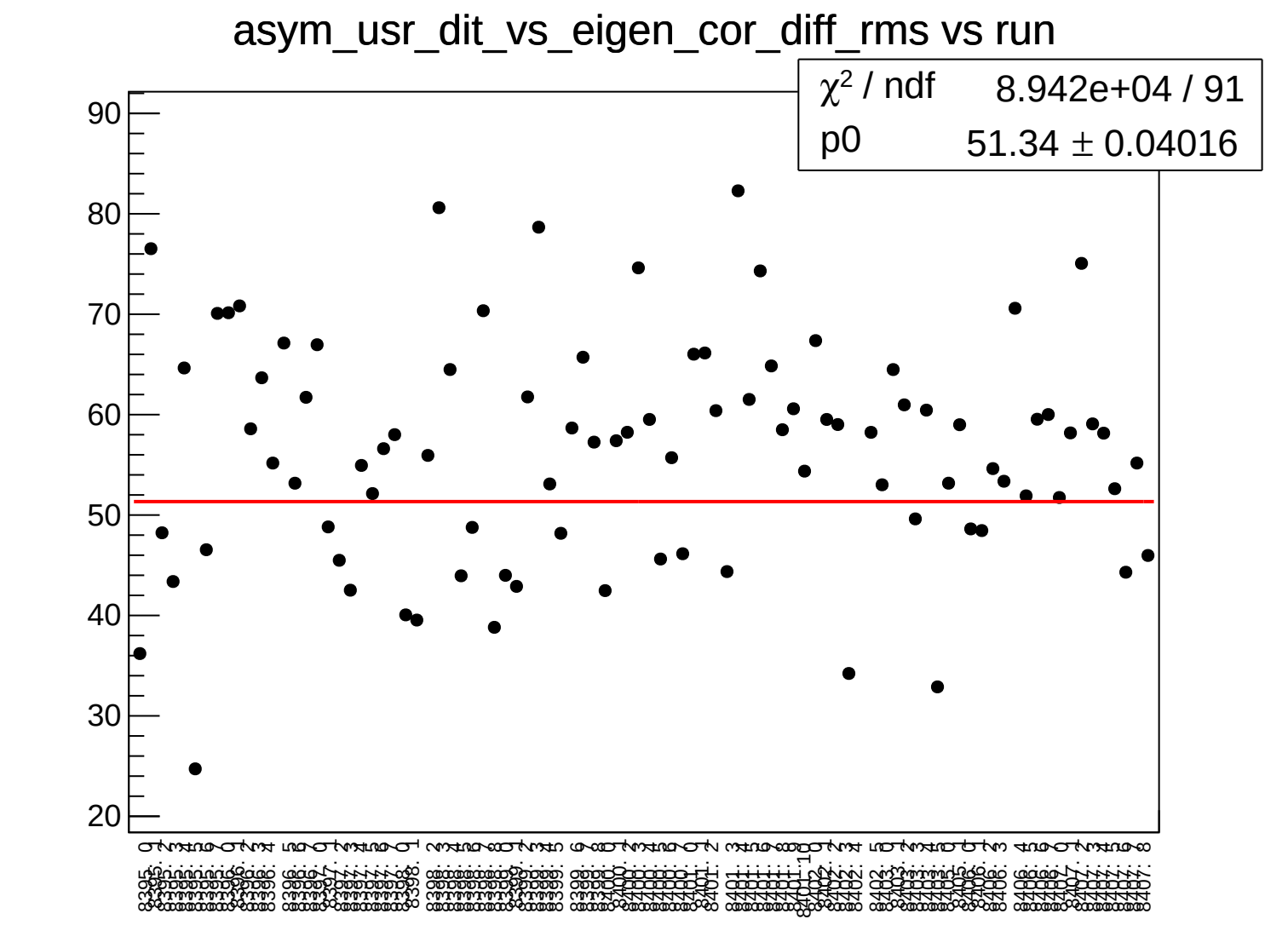

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 84.8 / 91
p0 −0.06205 ± 0.0568
pull
Entries 92
Mean 395.3
Std Dev 0

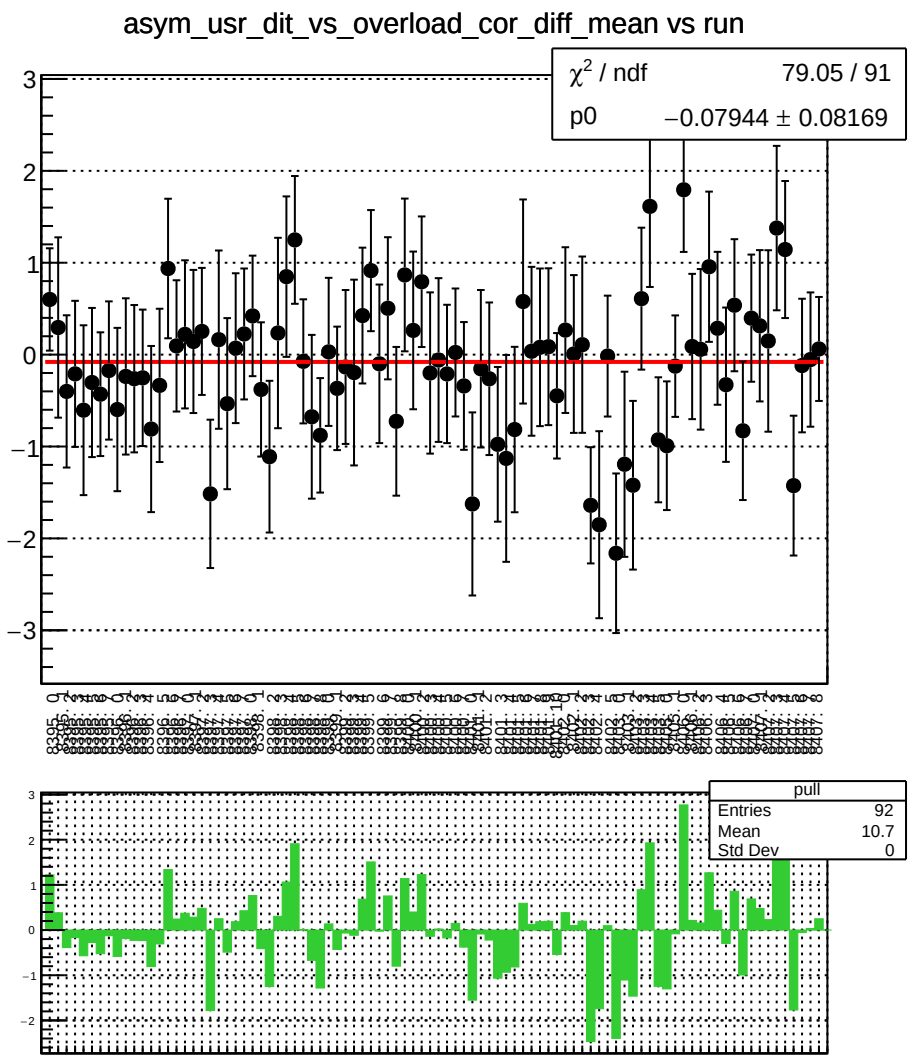

pull1D
Entries 92
Mean 0.008403
Std Dev 0.96

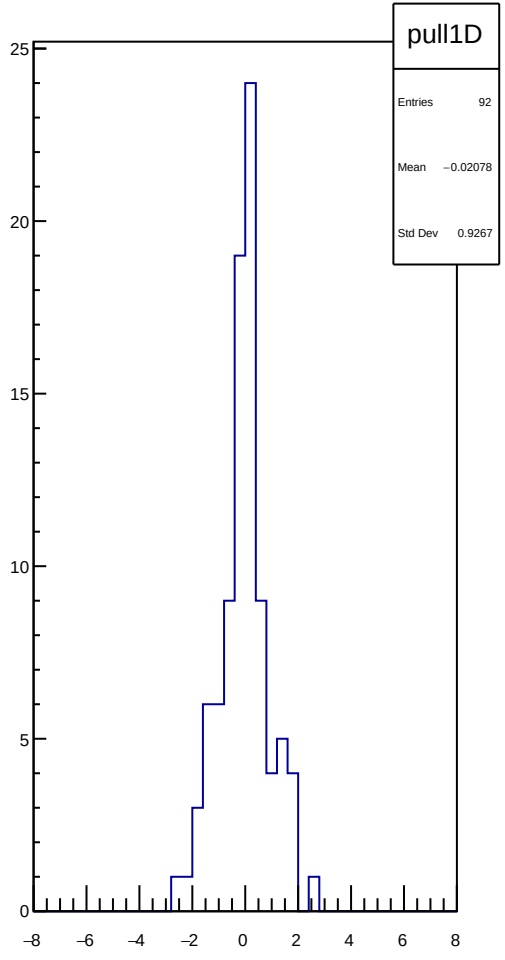

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 8.942e+04 / 91
p0 51.34 ± 0.04016
90
80
70
60
50
40
30
20

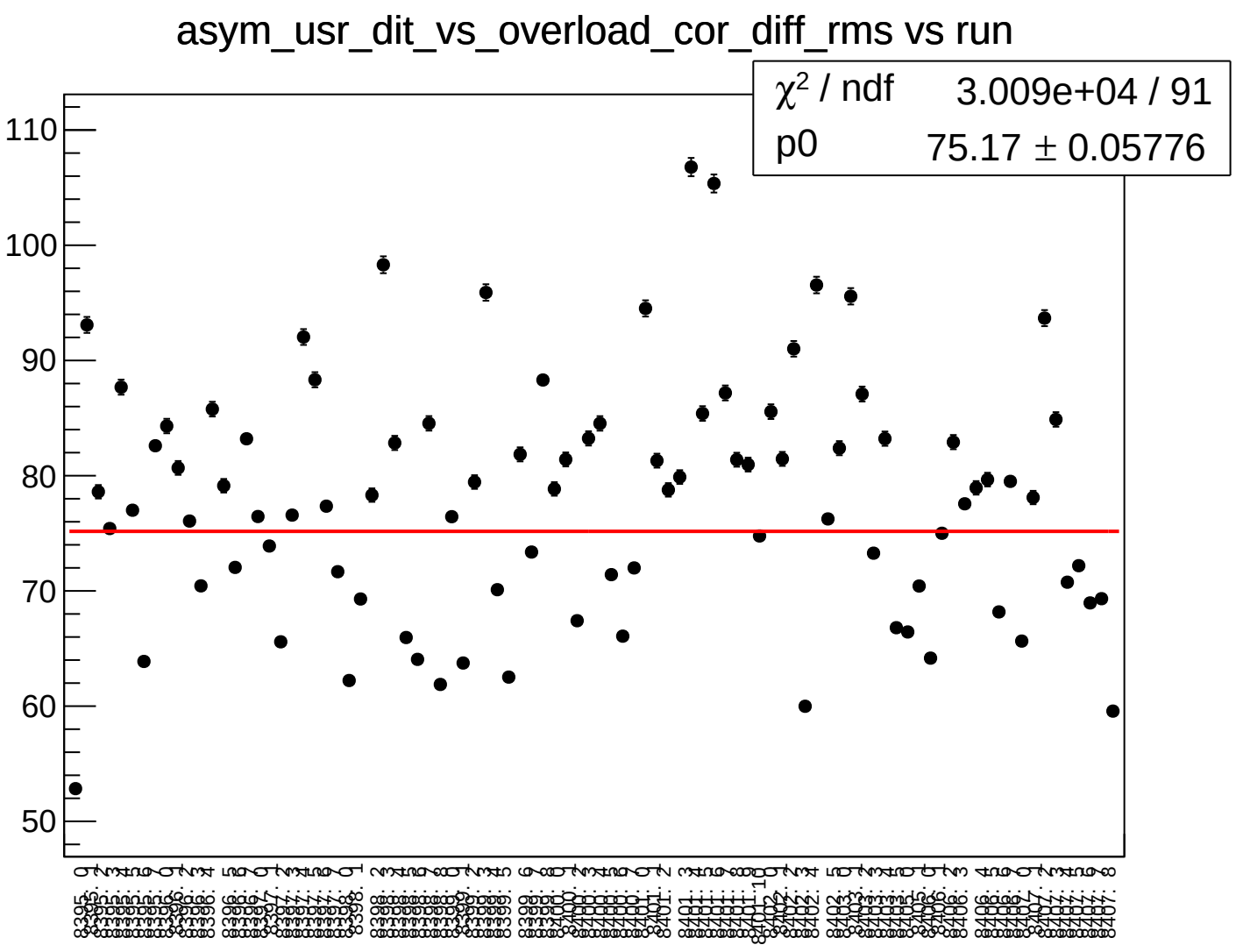

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.8 / 91
p0 −0.06205 ± 0.0568
pull
Entries 92
Mean 395.3
Std Dev 0

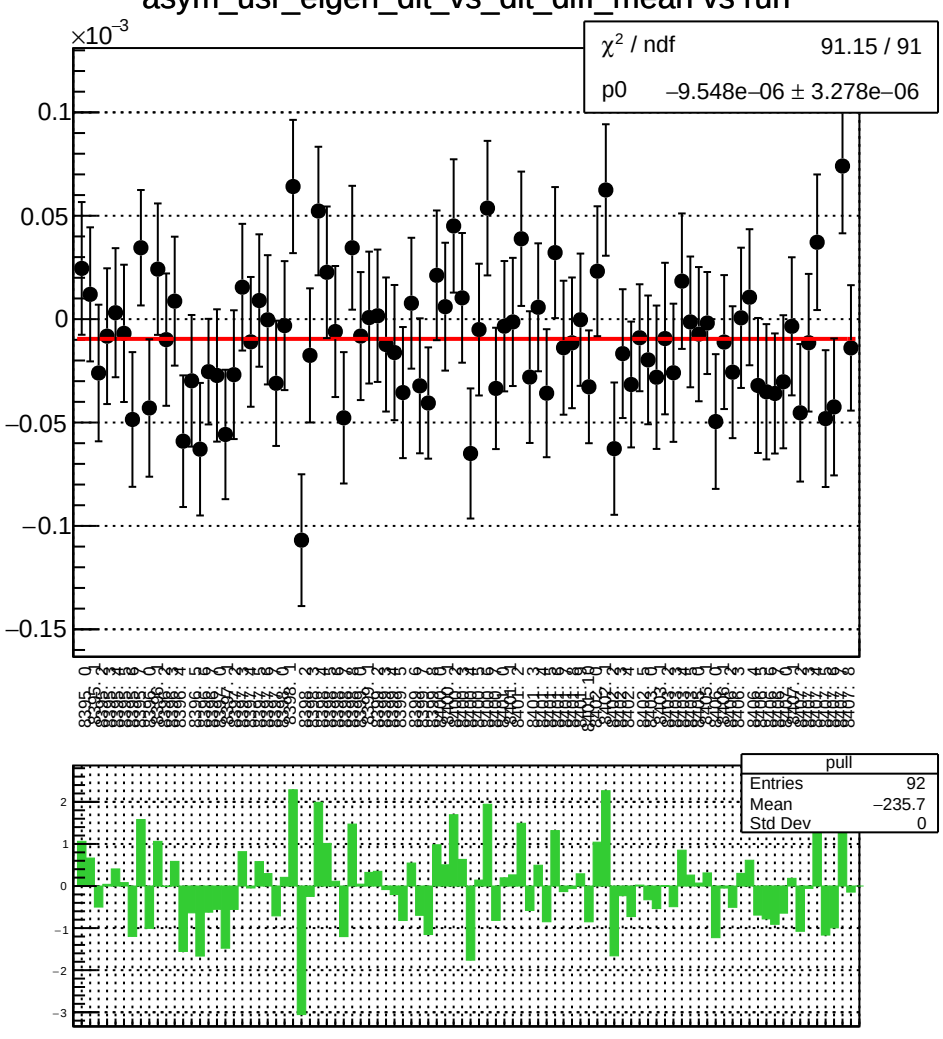

pull1D
Entries 92
Mean 0.008403
Std Dev 0.96

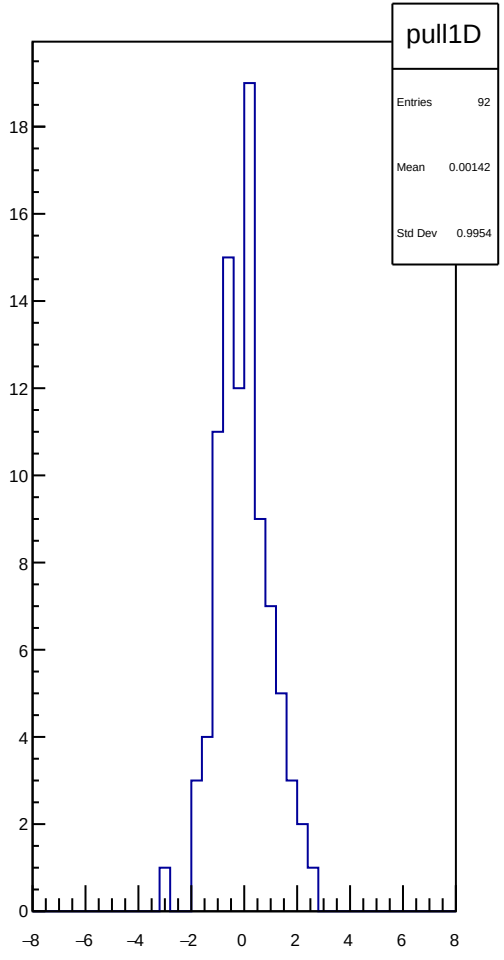

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.942e+04 / 91
p0 51.34 ± 0.04016
90
80
70
60
50
40
30
20

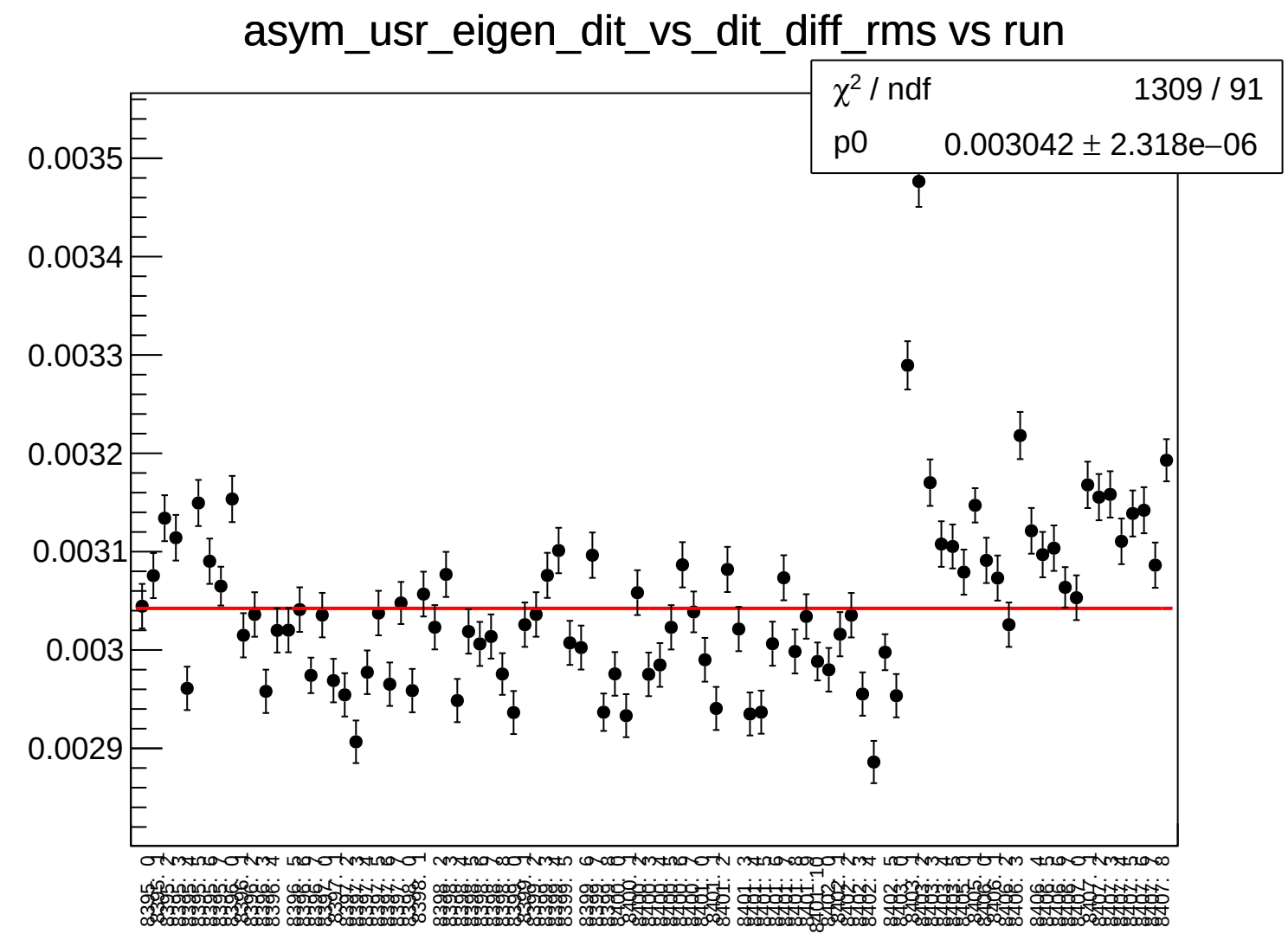

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 79.05 / 91
p0 −0.07944 ± 0.08169
pull
Entries 92
Mean 10.7
Std Dev 0

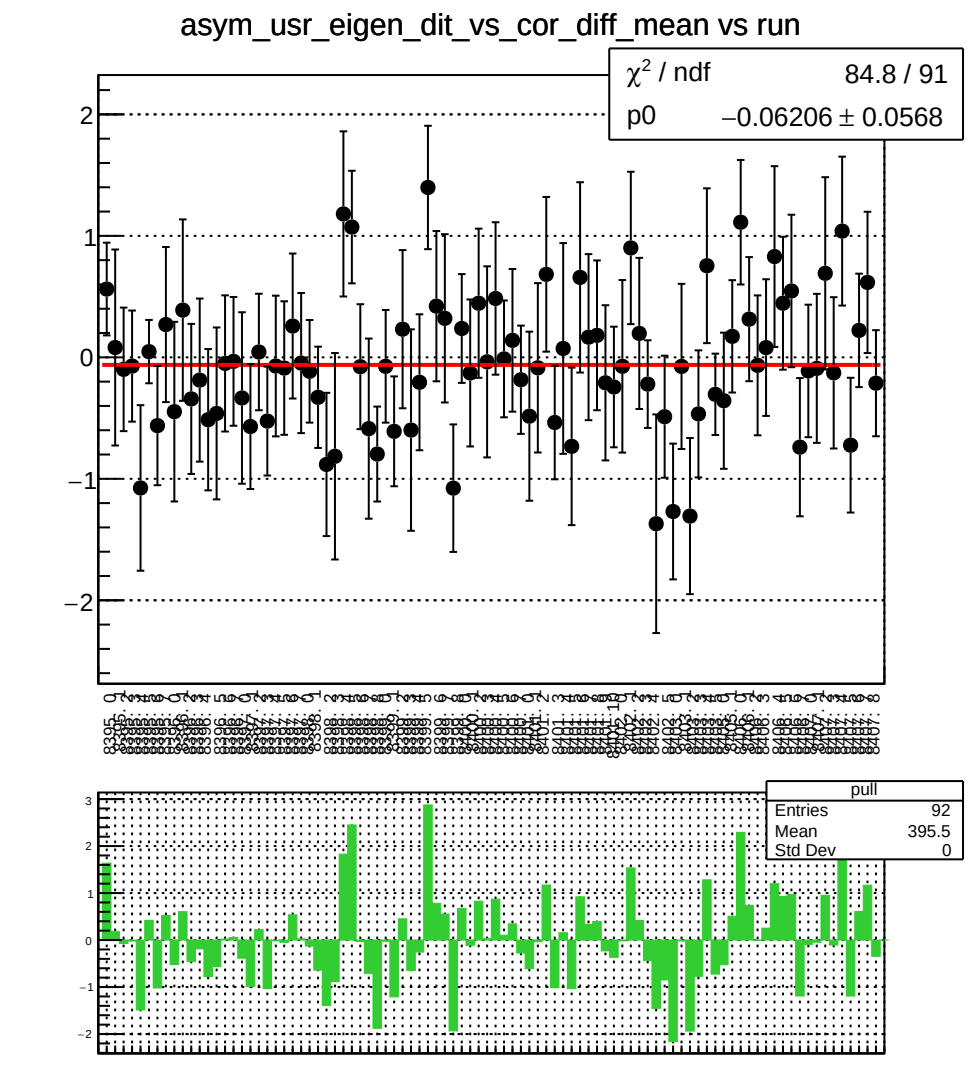

pull1D
Entries 92
Mean −0.02078
Std Dev 0.9267

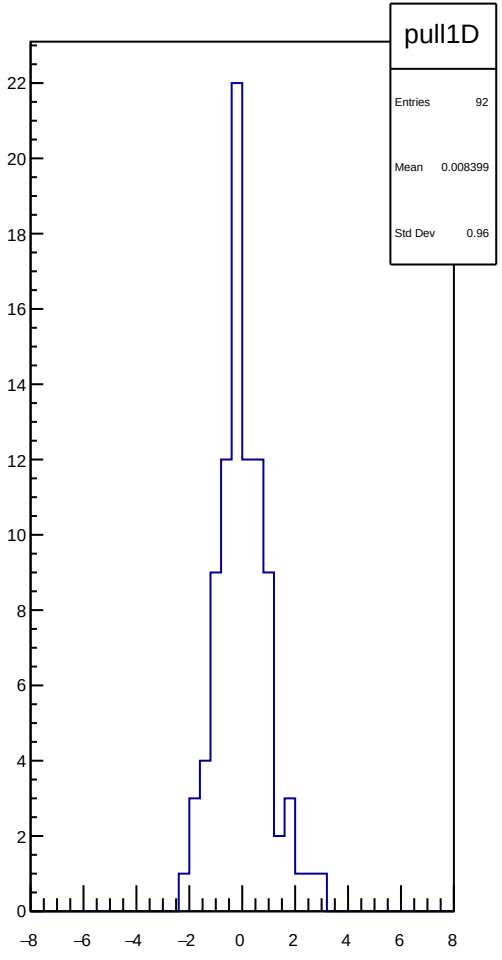

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.009e+04 / 91
p0 75.17 ± 0.05776
110
100
90
80
70
60
50

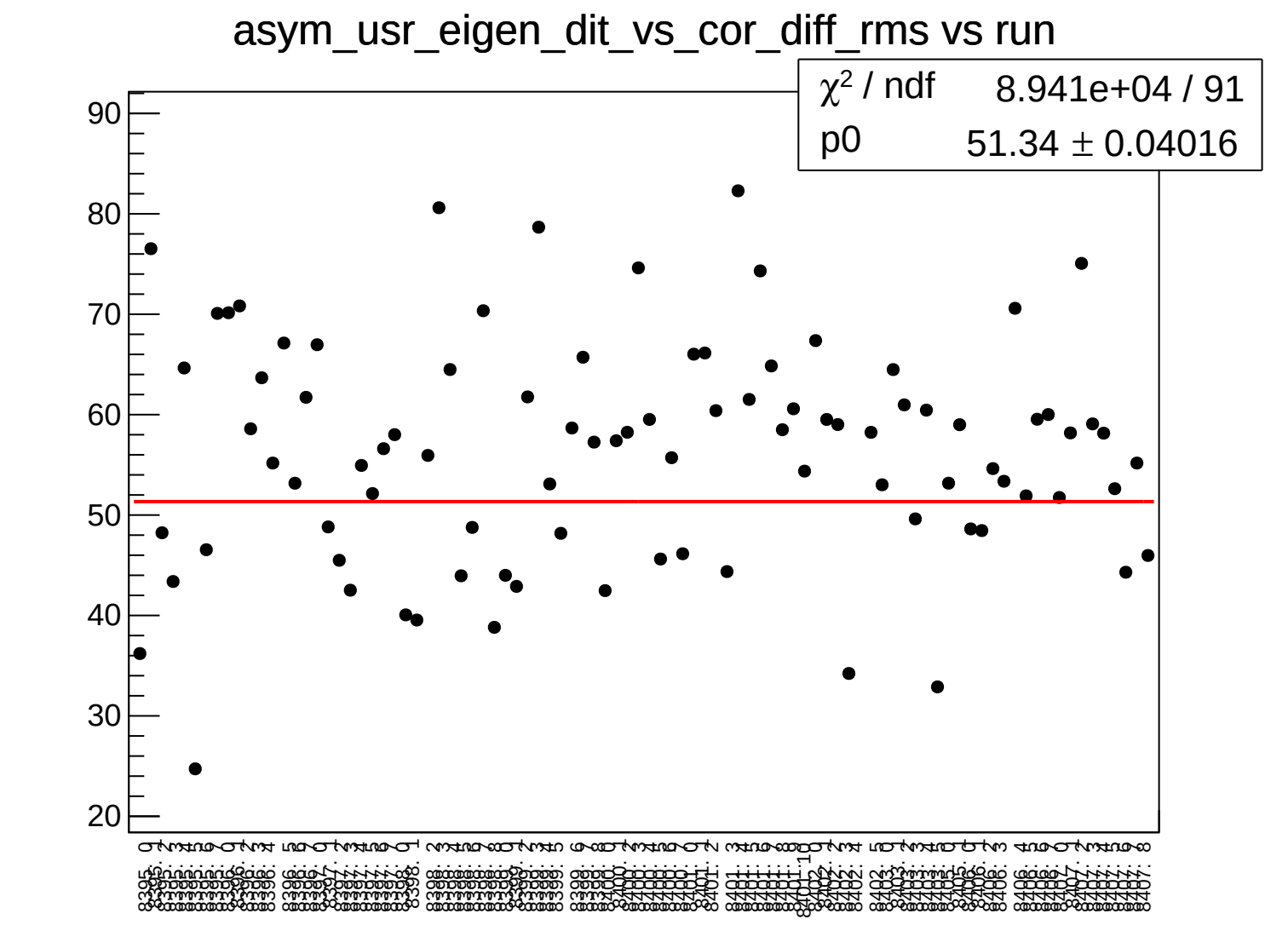

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.15 / 91
p0 −9.548e−06 ± 3.278e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean −235.7
Std Dev 0
2
1
0
−1
−2
−3

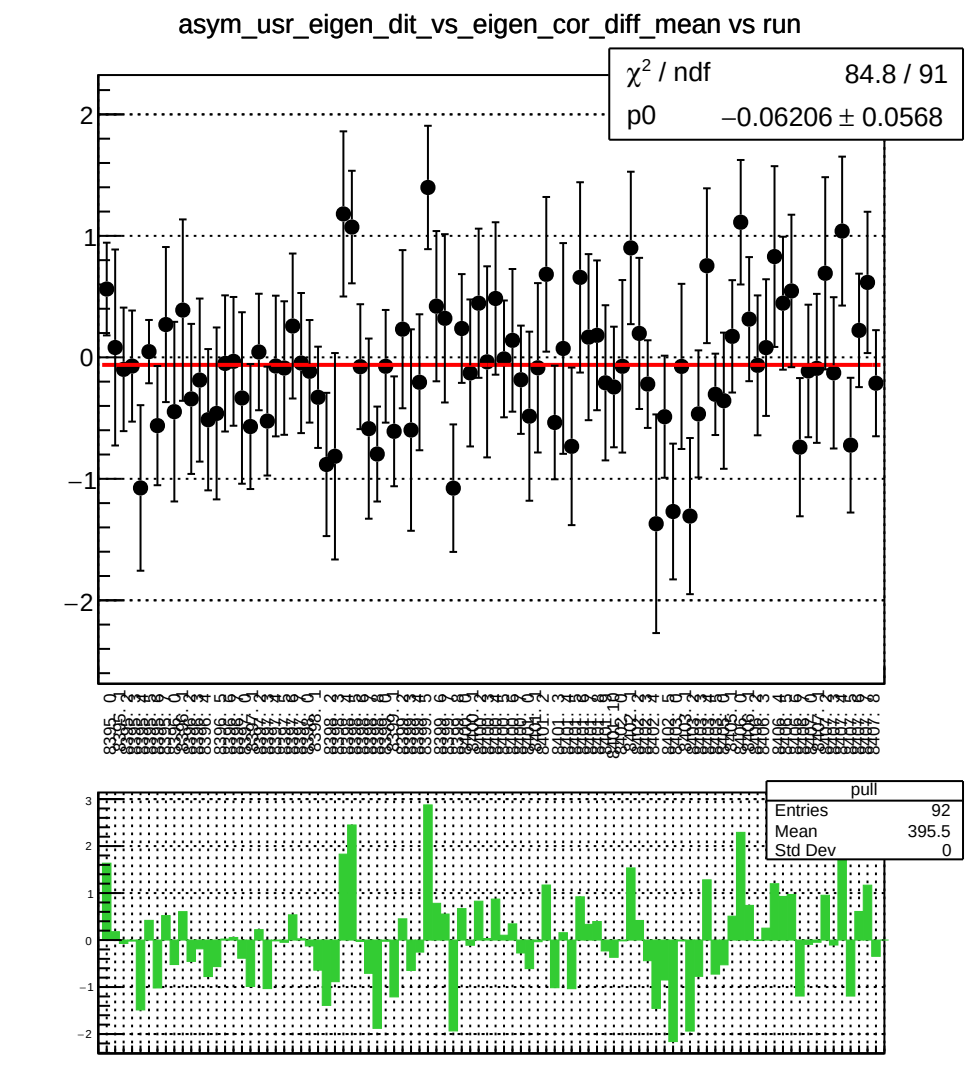

pull1D
Entries 92
Mean 0.00142
Std Dev 0.9954
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

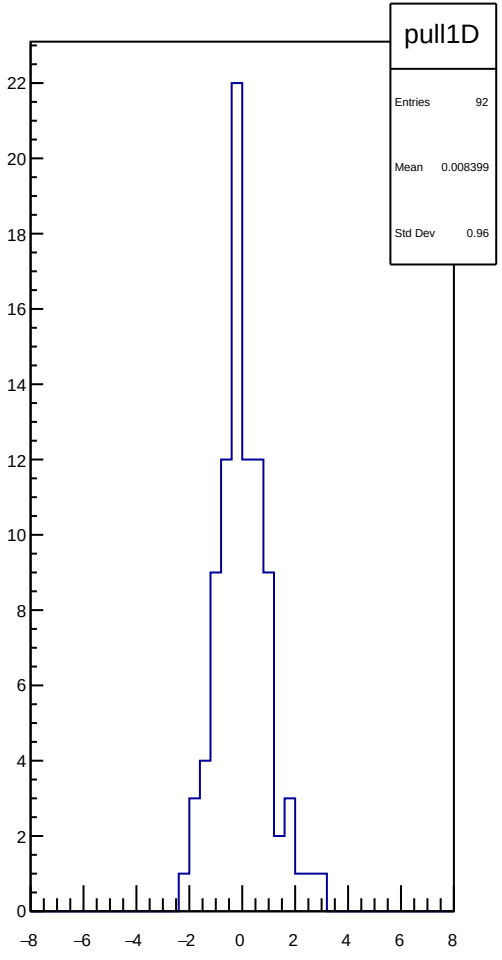

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1309 / 91
p0 0.003042 ± 2.318e−06
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029

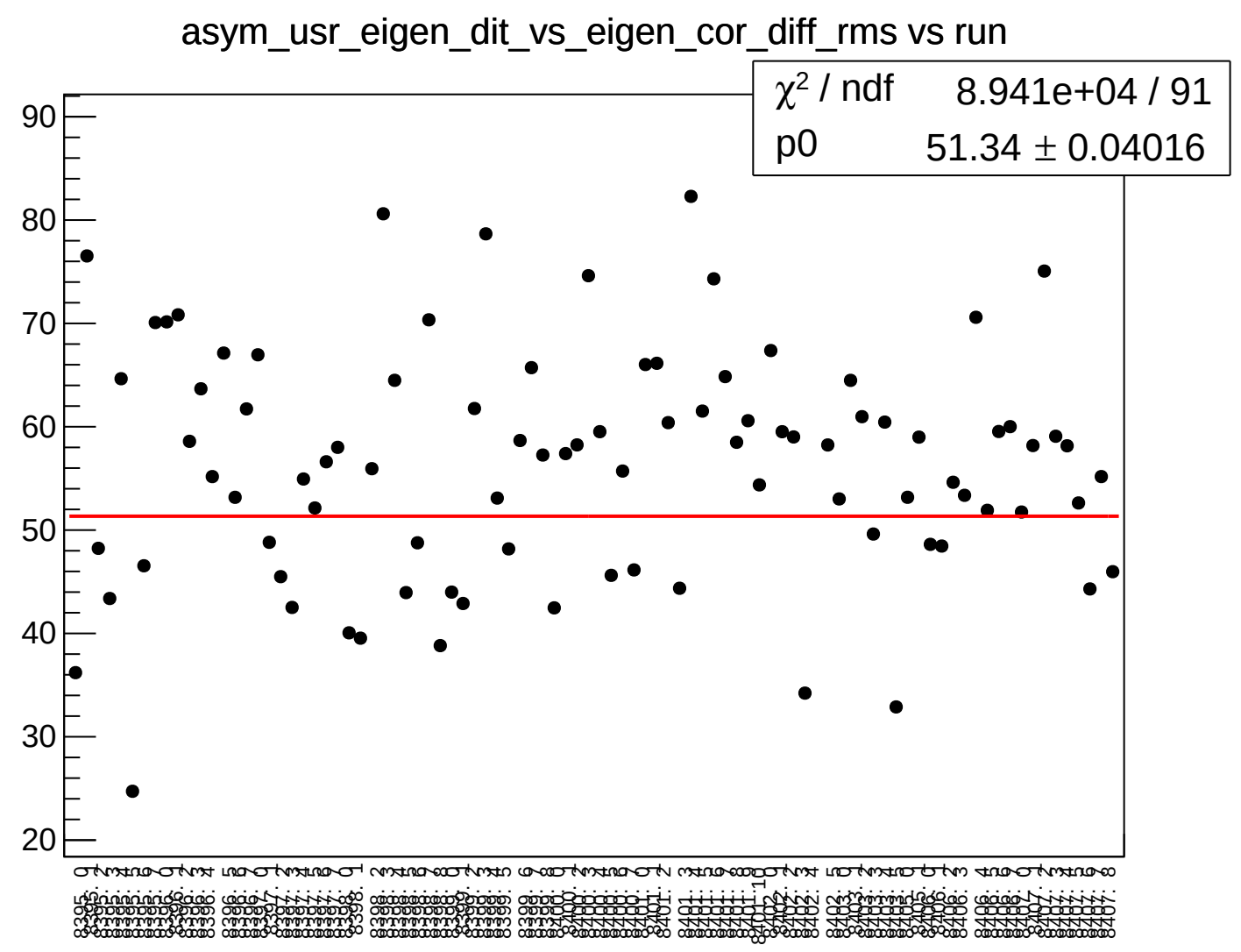

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.8 / 91
p0 −0.06206 ± 0.0568
pull
Entries 92
Mean 395.5
Std Dev 0

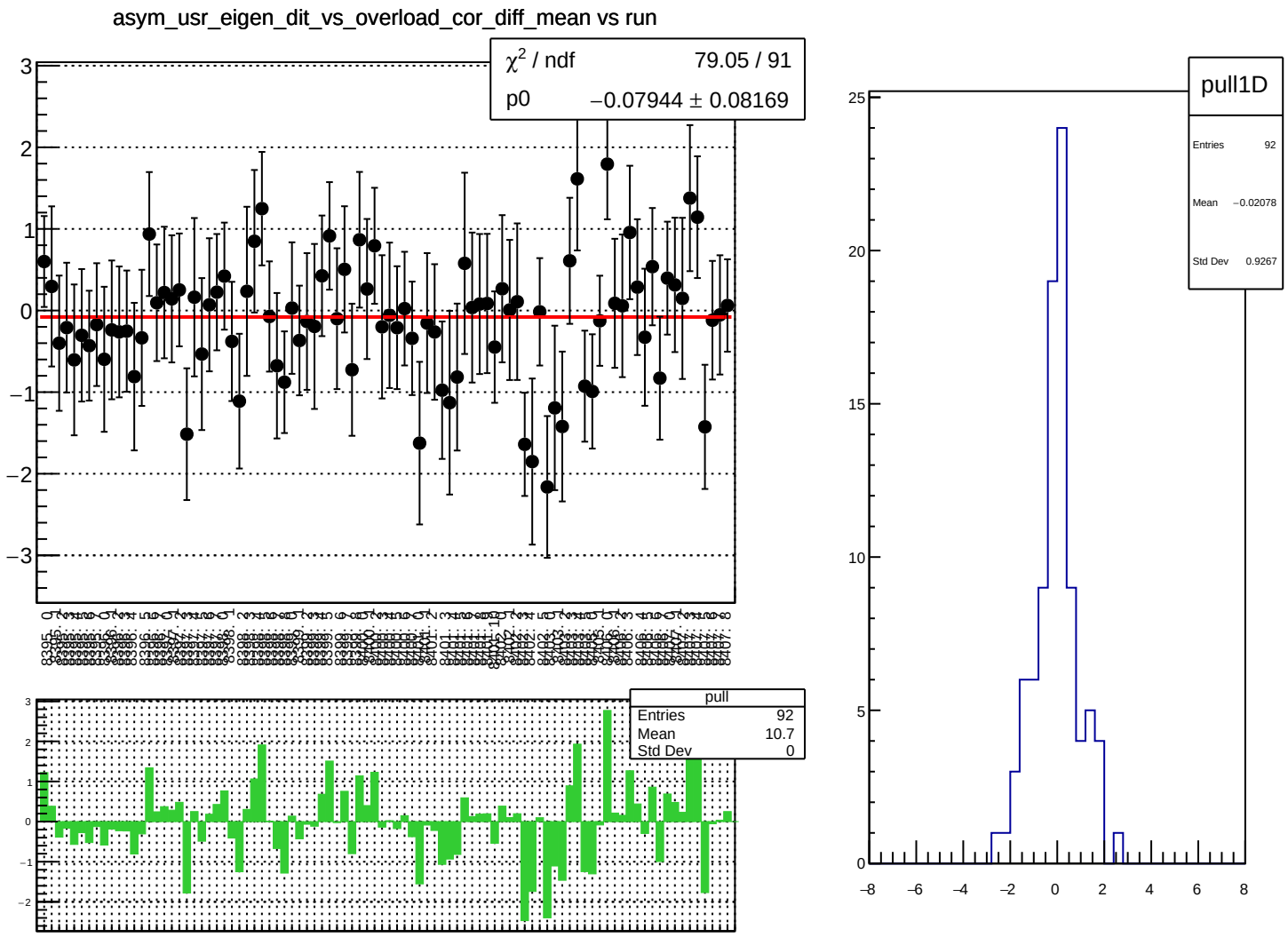

pull1D
Entries 92
Mean 0.008399
Std Dev 0.96

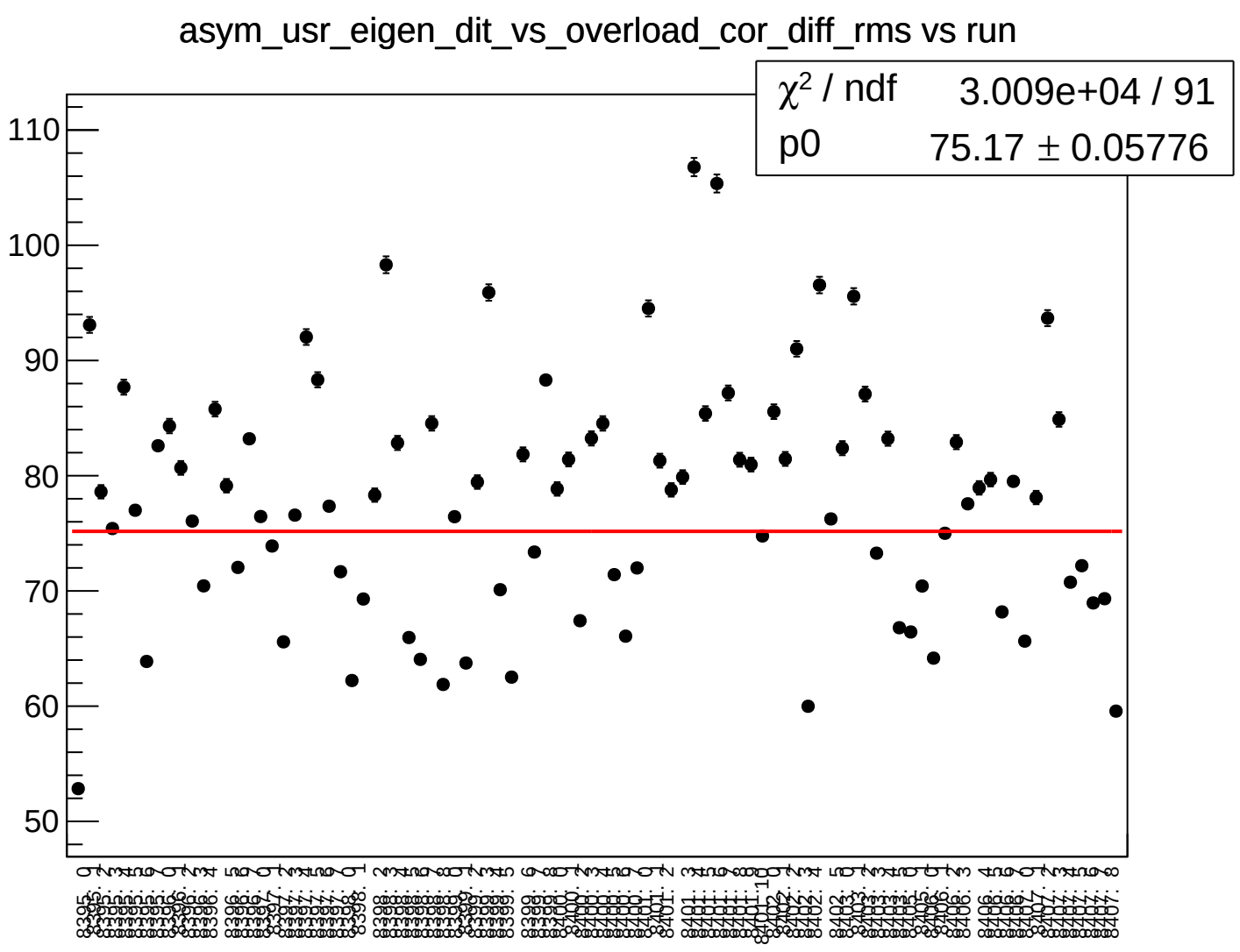

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.941e+04 / 91
p0 51.34 ± 0.04016
90
80
70
60
50
40
30
20

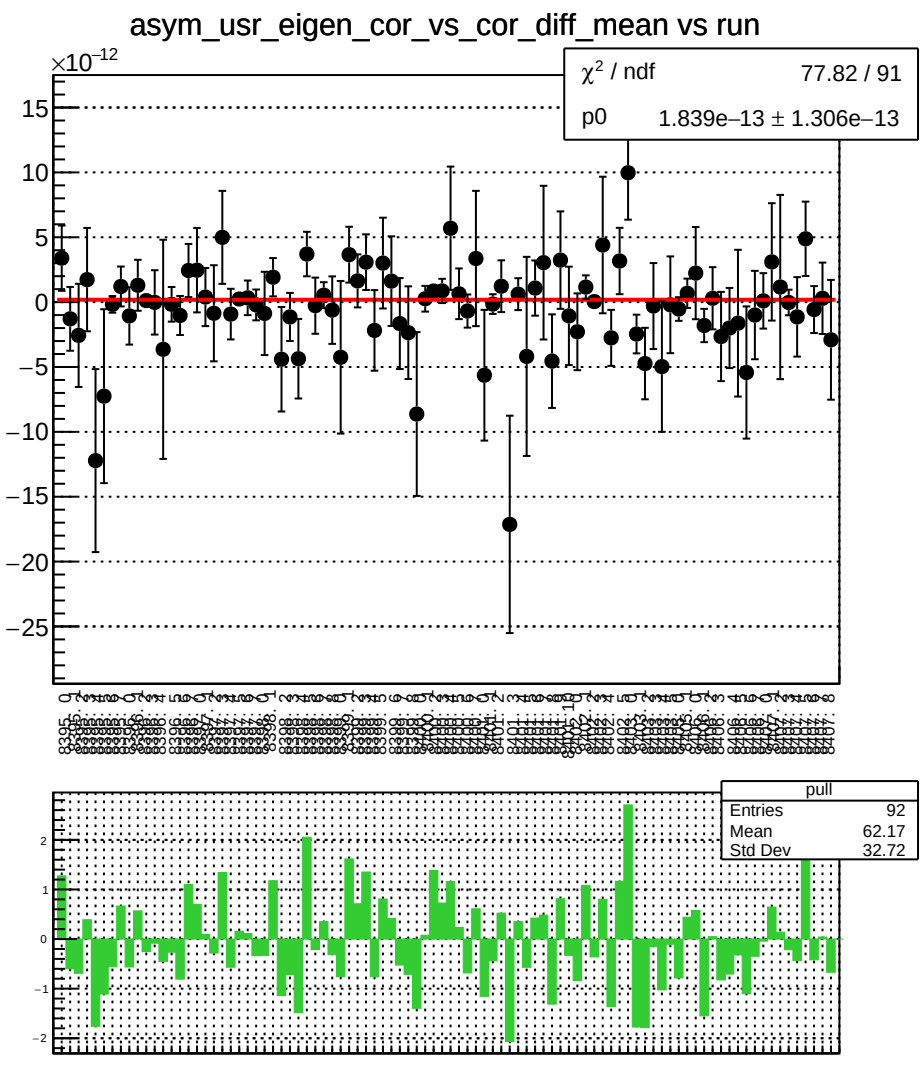

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.8 / 91
p0 −0.06206 ± 0.0568
pull
Entries 92
Mean 395.5
Std Dev 0

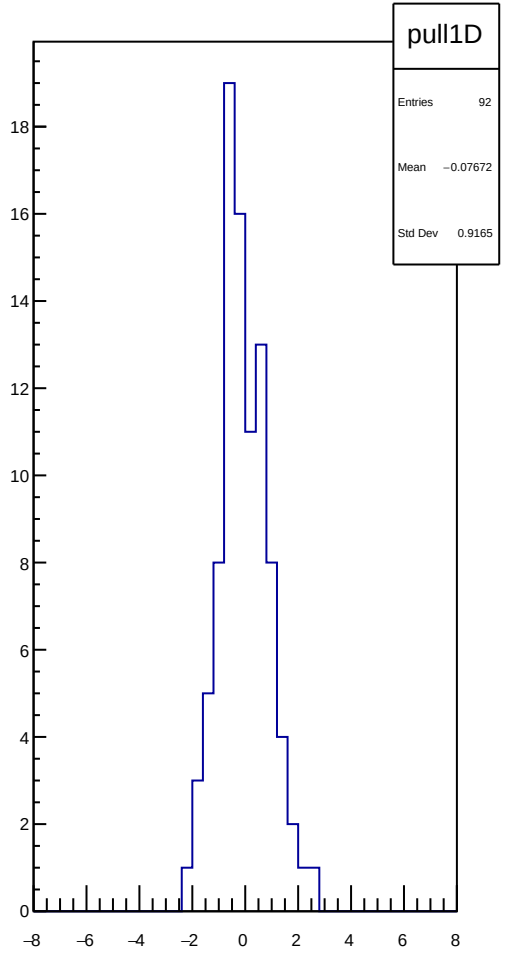

pull1D
Entries 92
Mean 0.008399
Std Dev 0.96

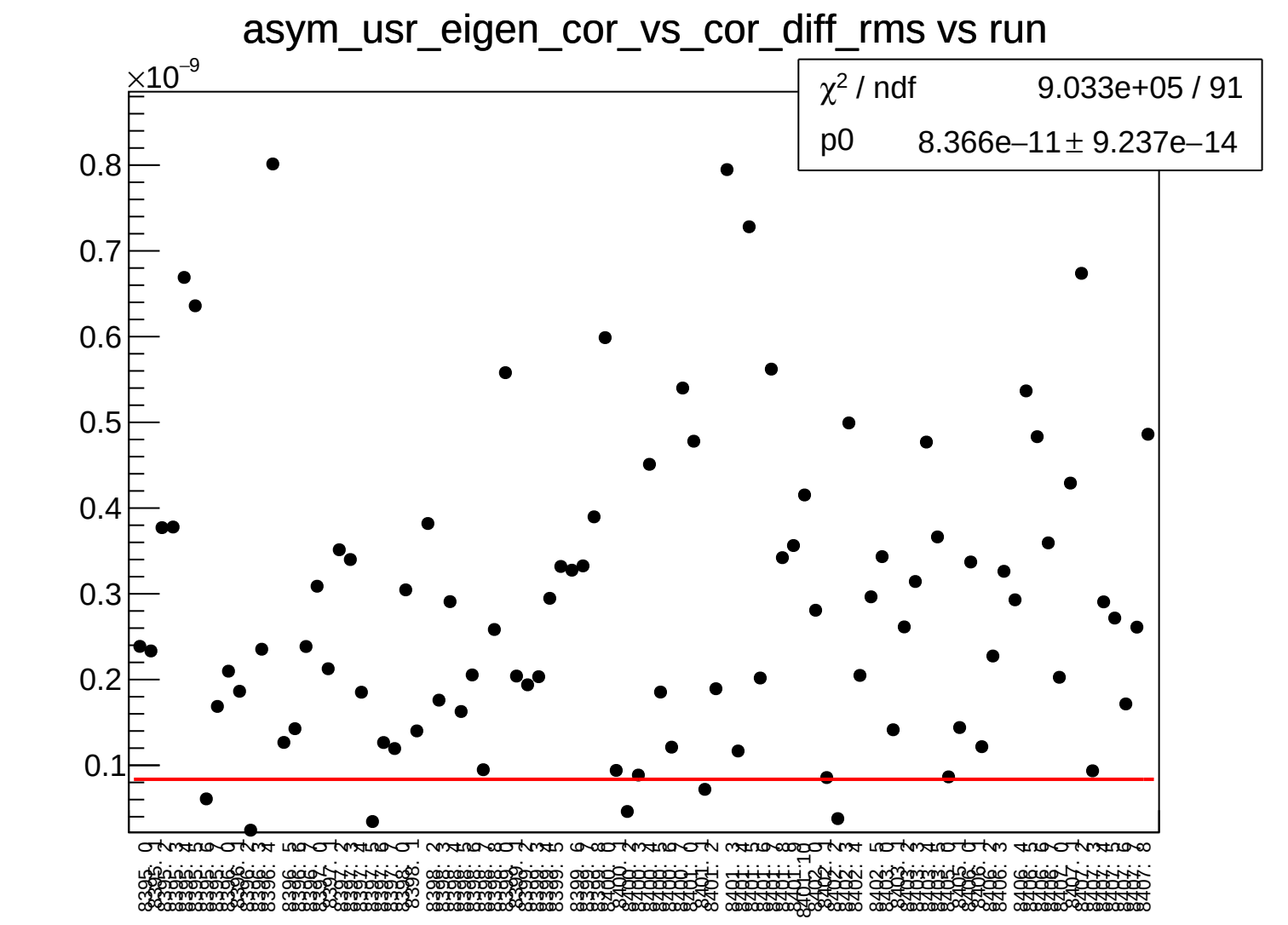

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.941e+04 / 91
p0 51.34 ± 0.04016
90
80
70
60
50
40
30
20

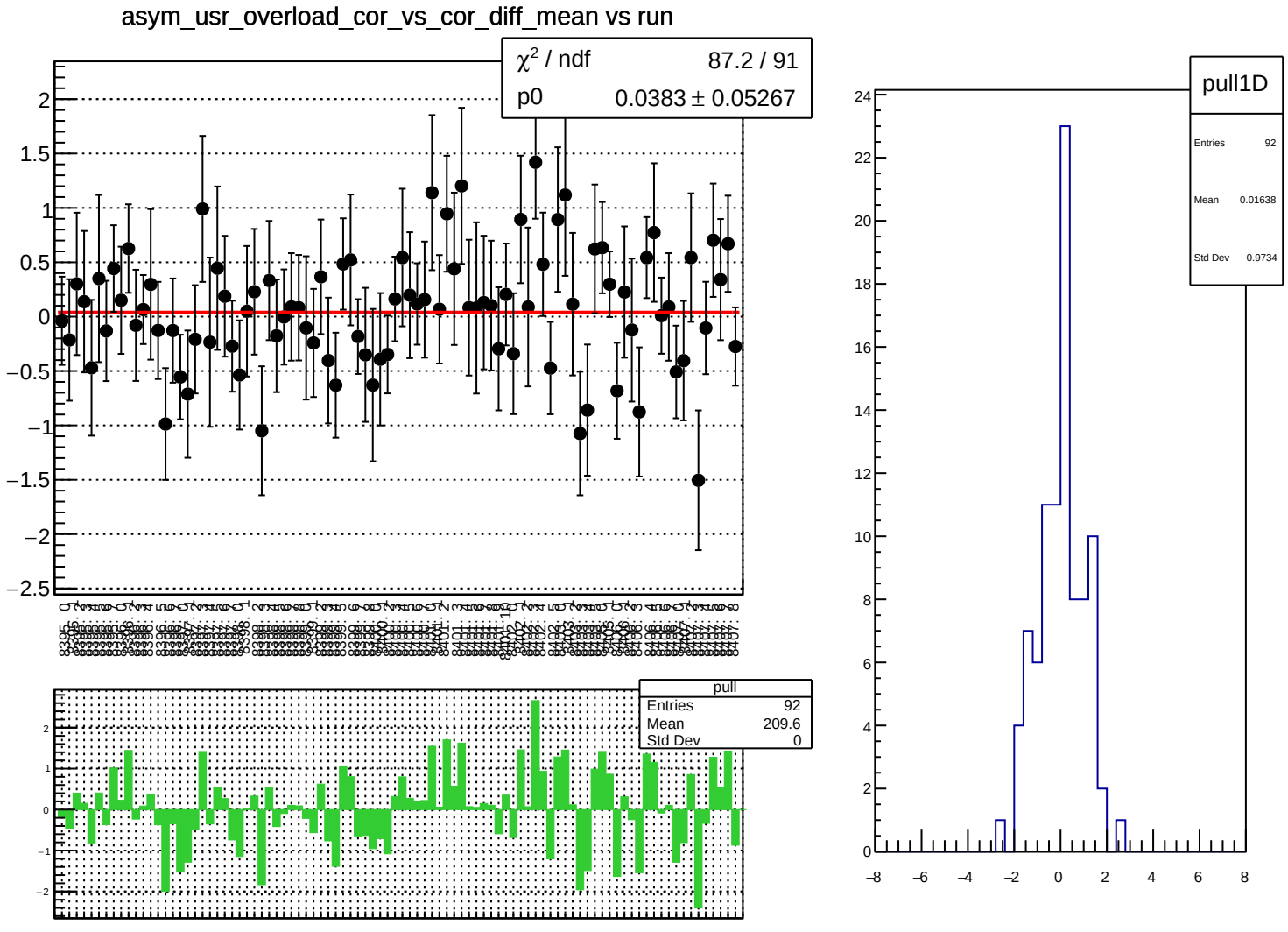

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 79.05 / 91
p0 −0.07944 ± 0.08169
pull
Entries 92
Mean 10.7
Std Dev 0
pull1D
Entries 92
Mean −0.02078
Std Dev 0.9267

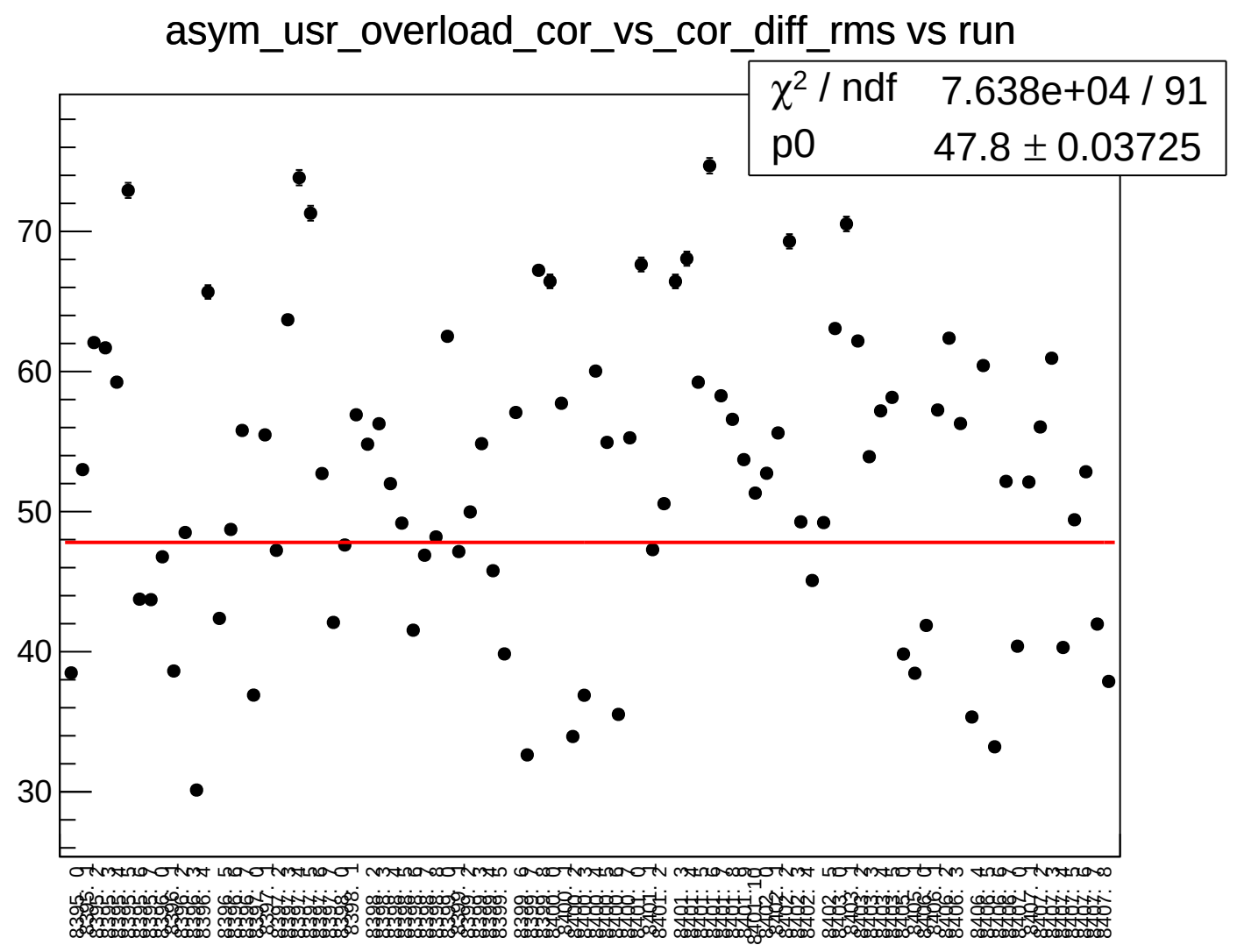

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.009e+04 / 91
p0 75.17 ± 0.05776
110
100
90
80
70
60
50

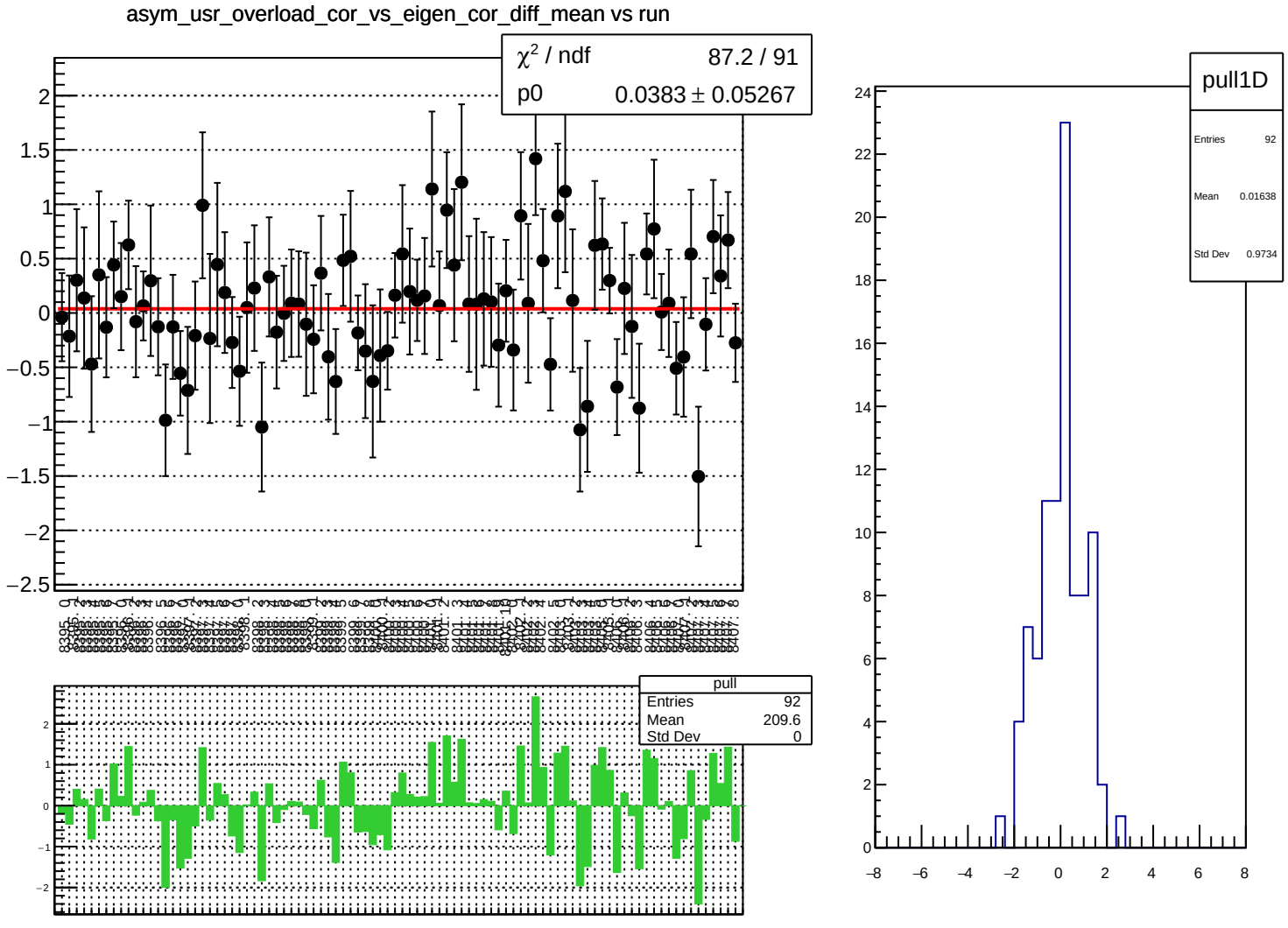

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.82 / 91
p0 1.839e−13 ± 1.306e−13
pull
Entries 92
Mean 62.17
Std Dev 32.72

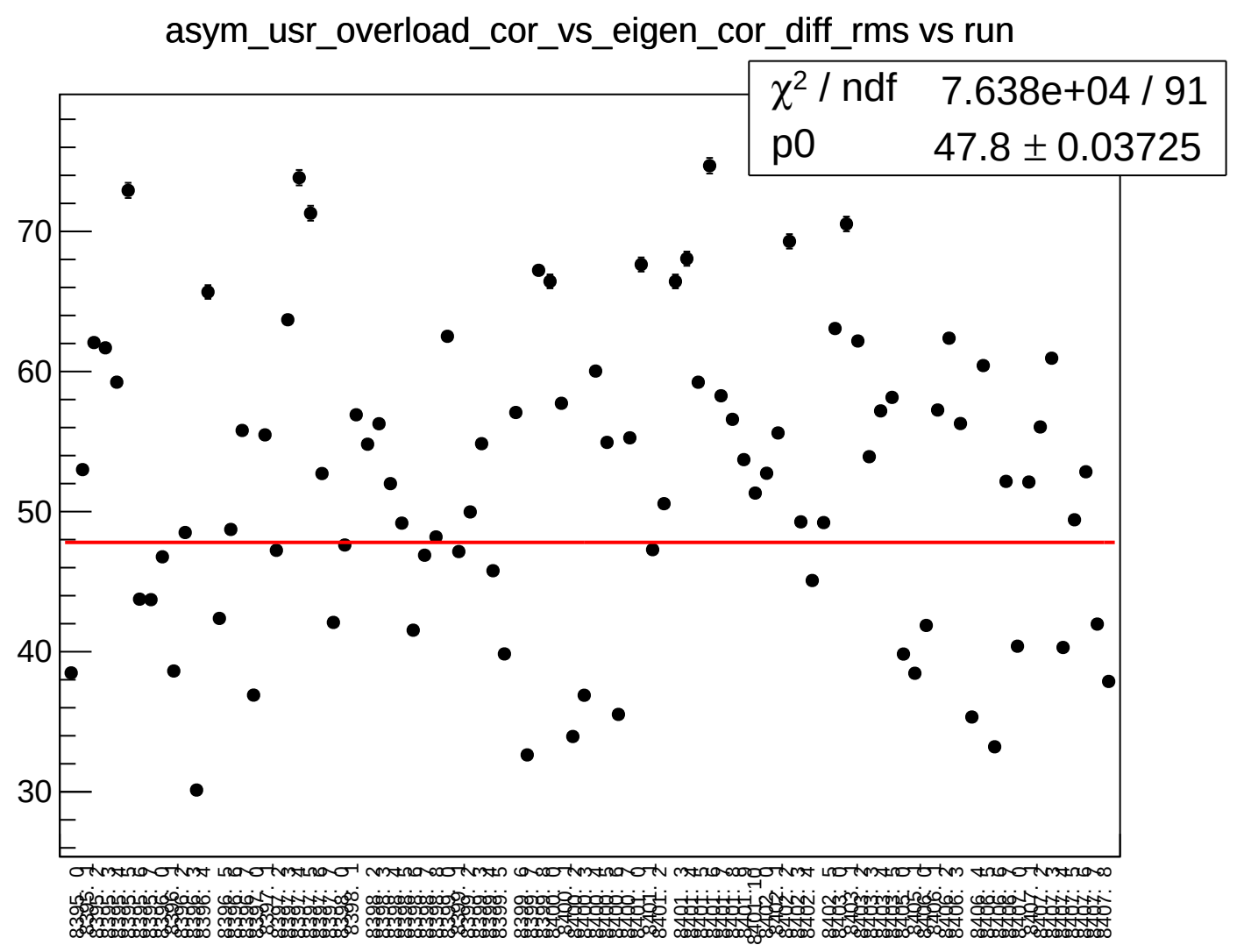

pull1D
Entries 92
Mean −0.07672
Std Dev 0.9165

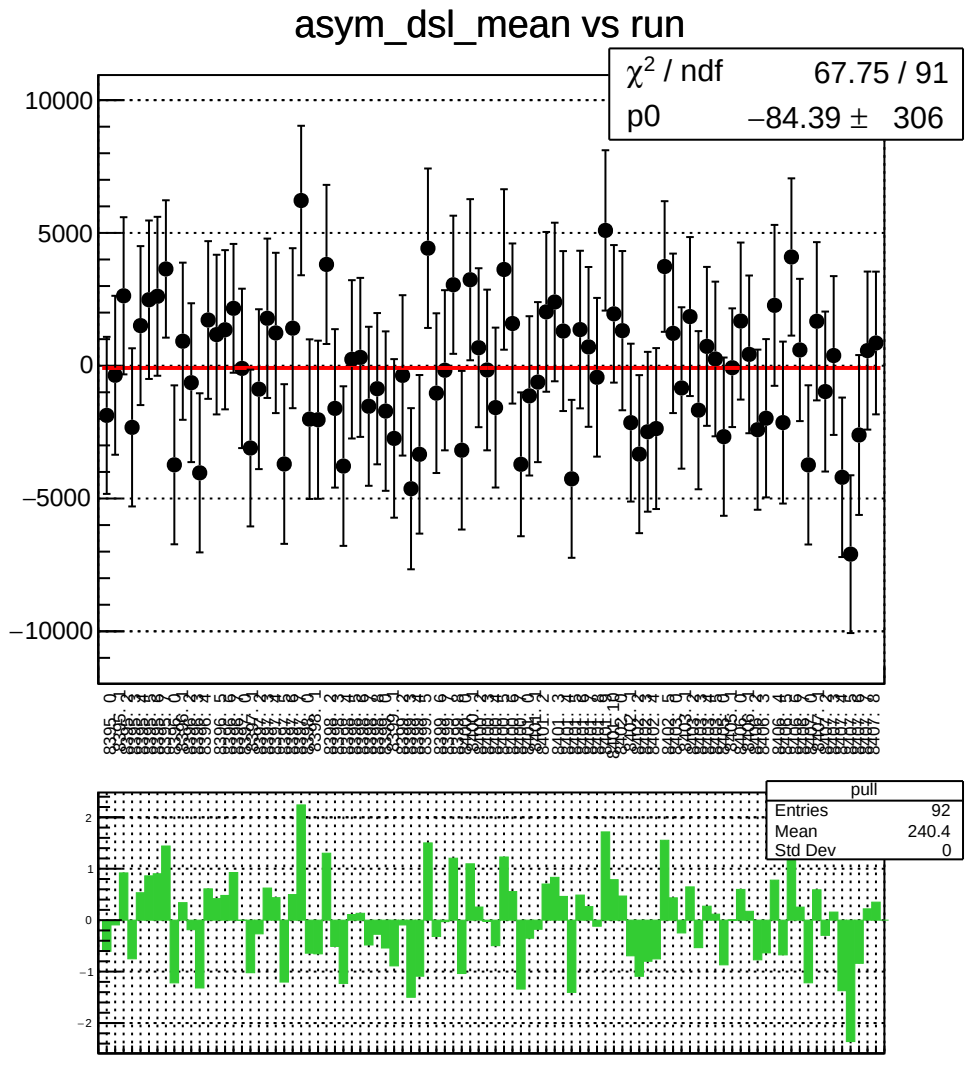

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.033e+05 / 91
p0 8.366e−11 ± 9.237e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

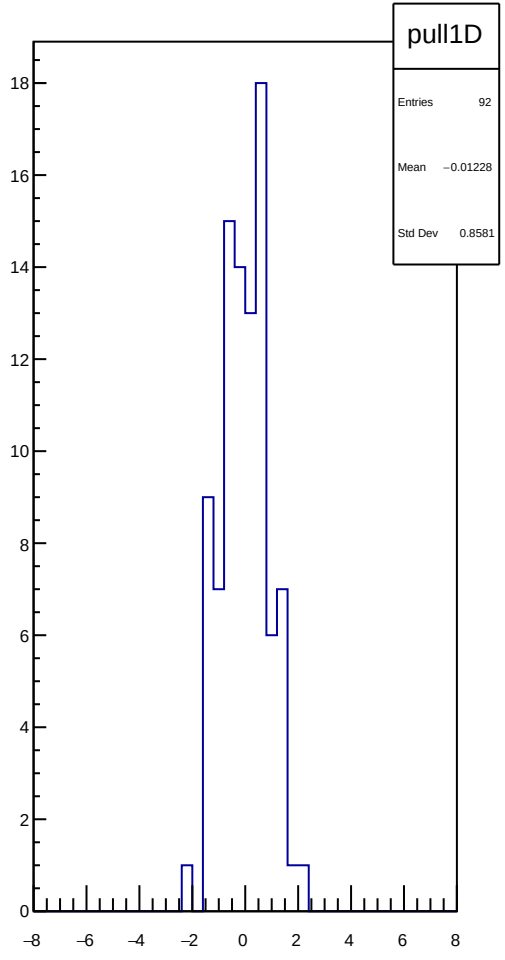

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 87.2 / 91
p0 0.0383 ± 0.05267
pull
Entries 92
Mean 209.6
Std Dev 0
pull1D
Entries 92
Mean 0.01638
Std Dev 0.9734

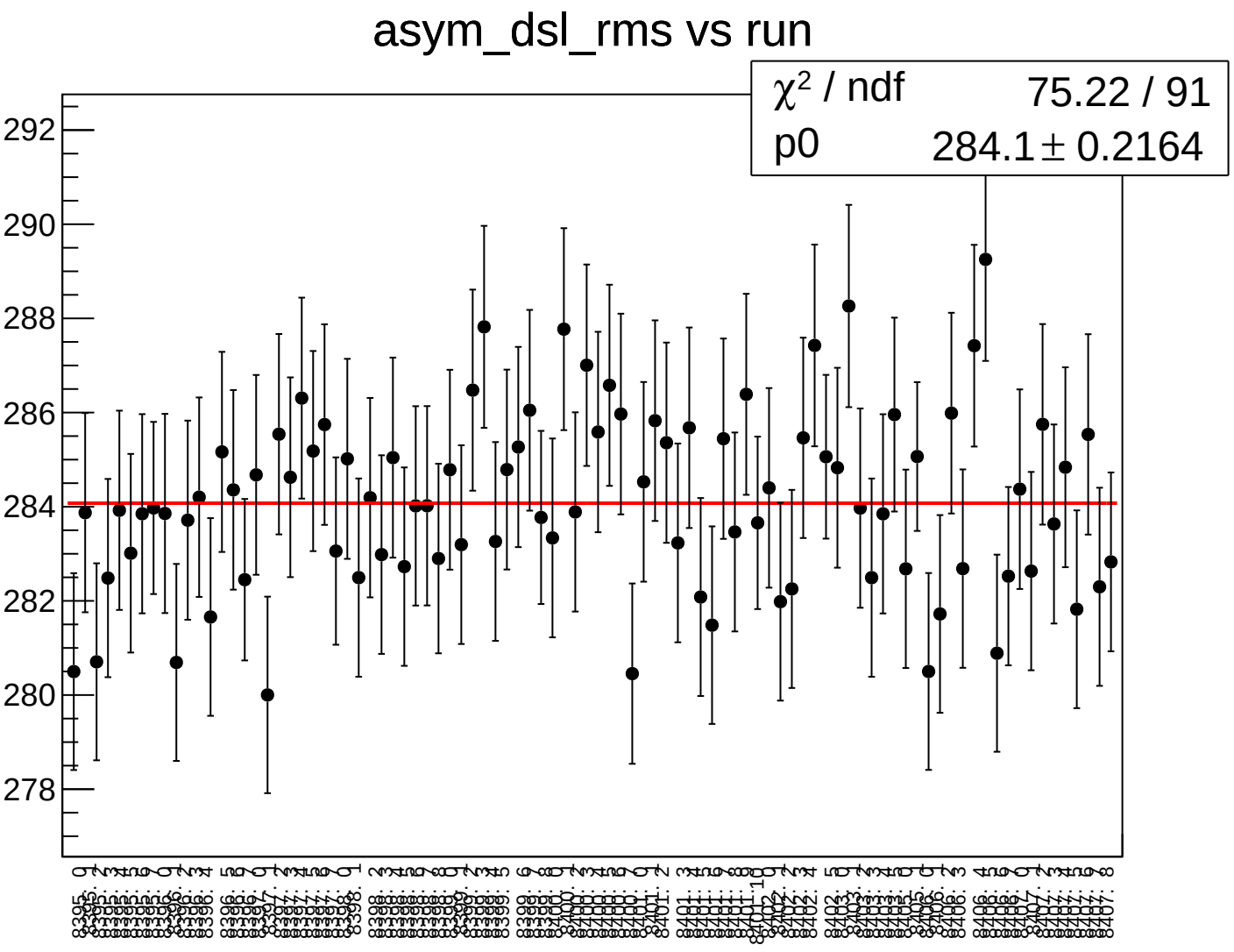

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.638e+04 / 91
p0 47.8 ± 0.03725
70
60
50
40
30

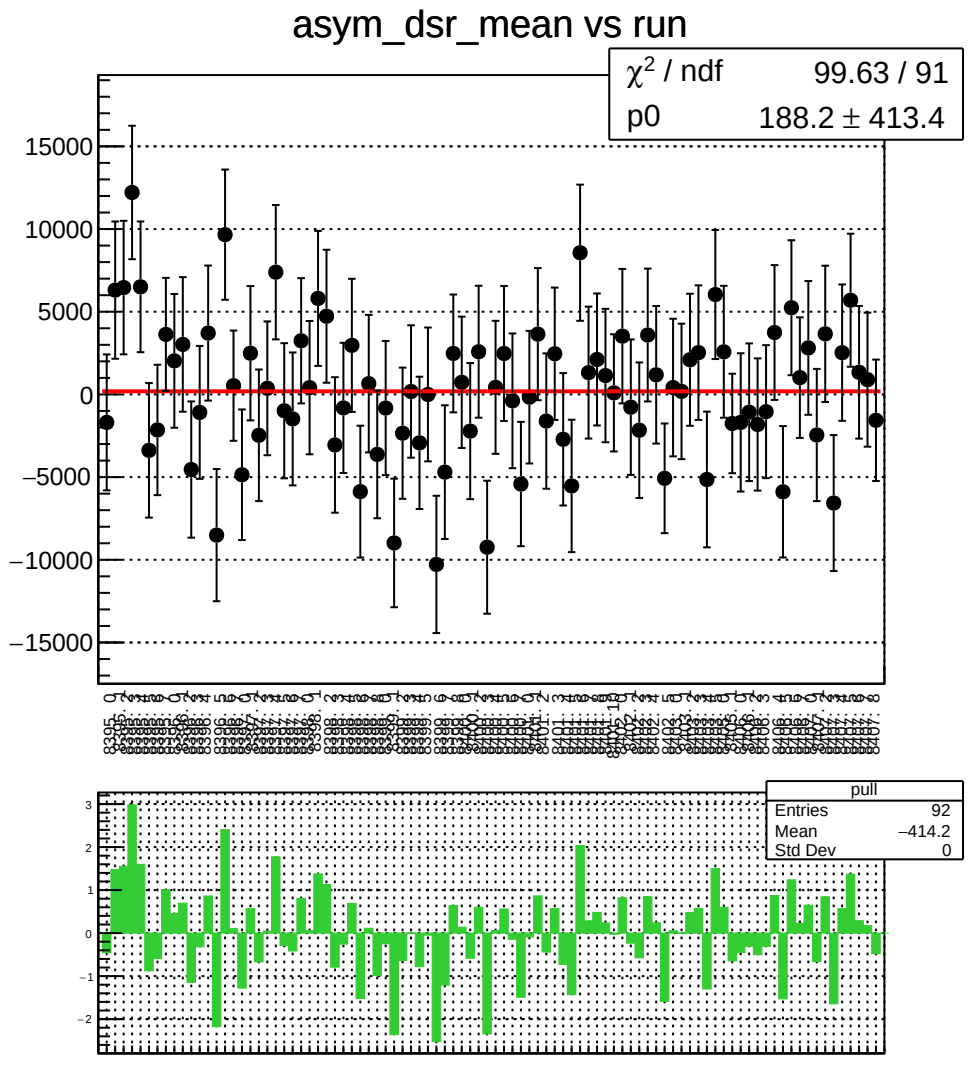

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.2 / 91
p0 0.0383 ± 0.05267
pull
Entries 92
Mean 209.6
Std Dev 0
pull1D
Entries 92
Mean 0.01638
Std Dev 0.9734

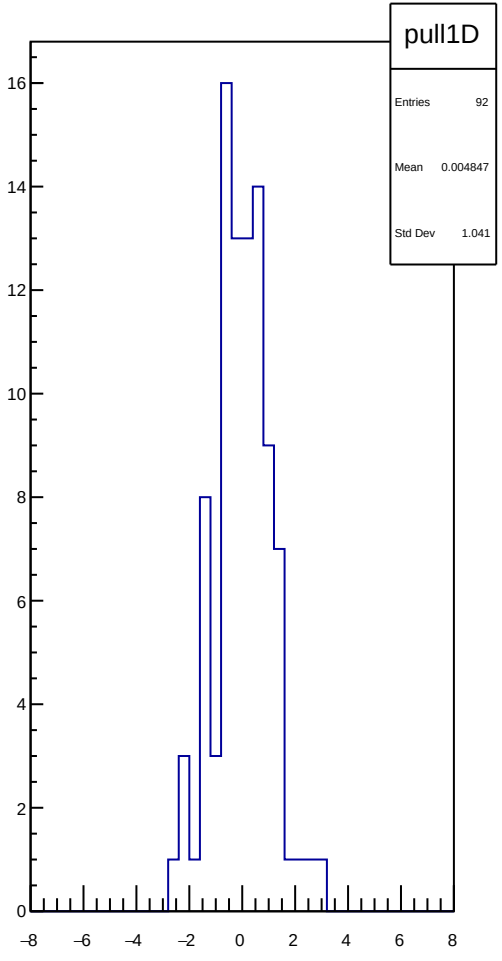

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.638e+04 / 91
p0 47.8 ± 0.03725
70
60
50
40
30

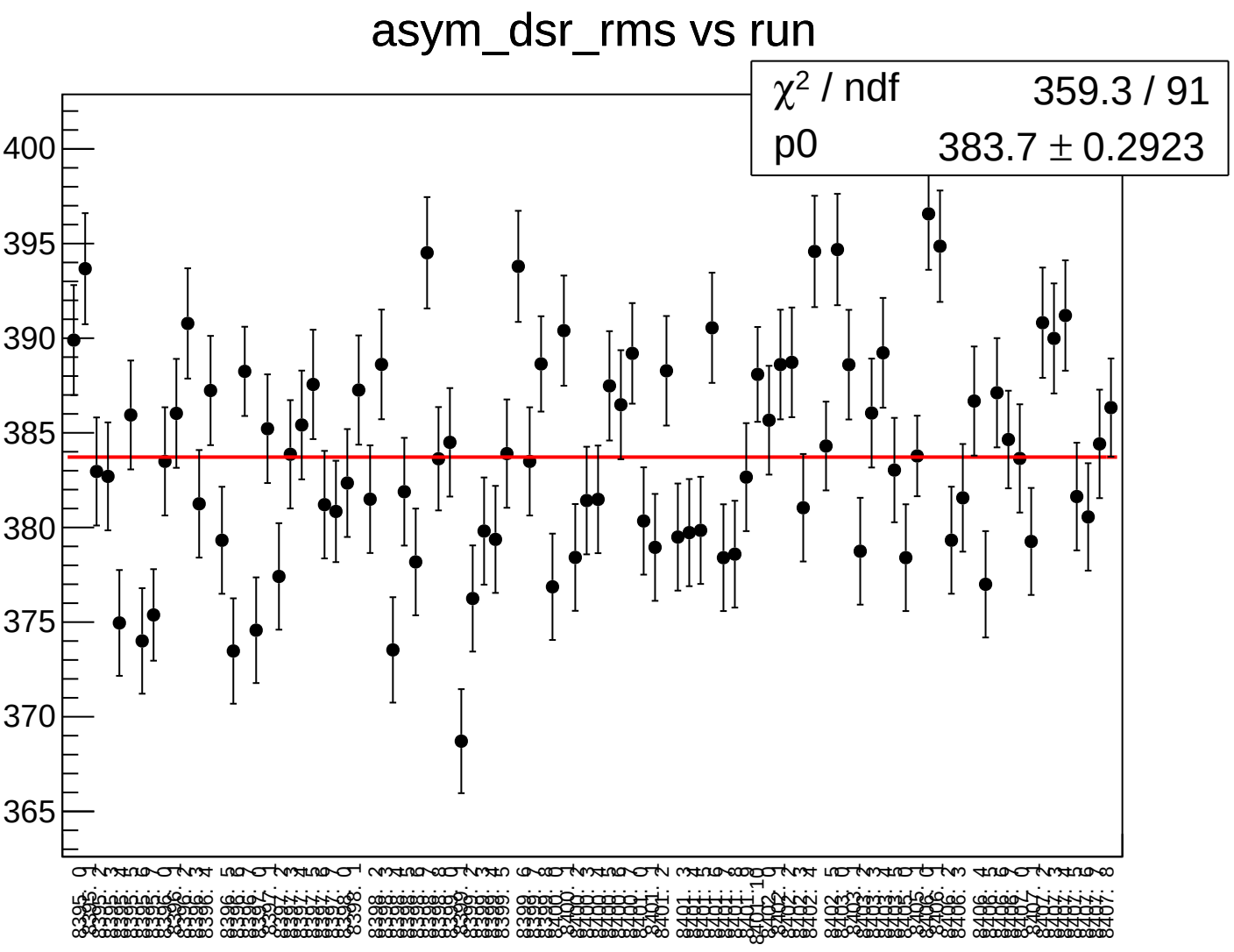

asym_dsl_mean vs run
χ² / ndf 67.75 / 91
p0 −84.39 ± 306
10000
5000
0
−5000
−10000
pull
Entries 92
Mean 240.4
Std Dev 0
2
1
0
−1
−2

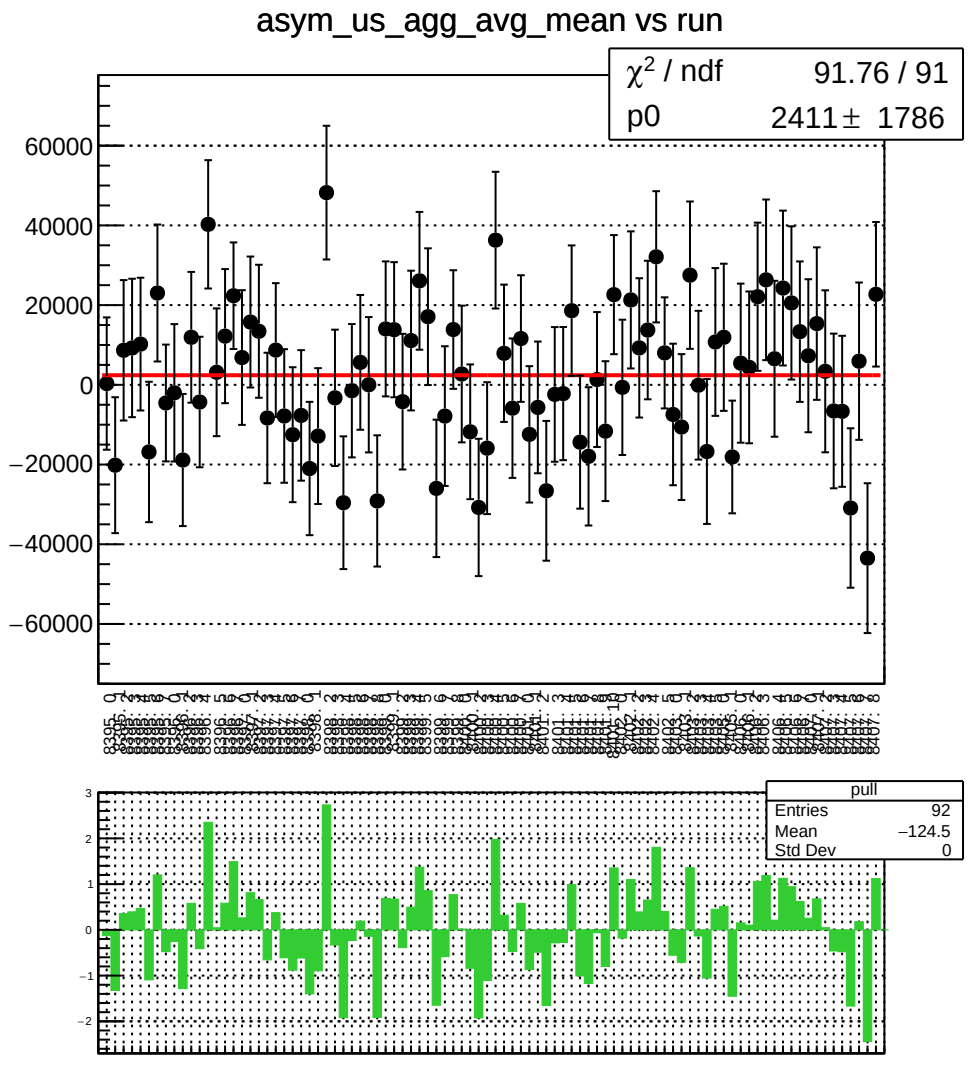

pull1D
Entries 92
Mean −0.01228
Std Dev 0.8581
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

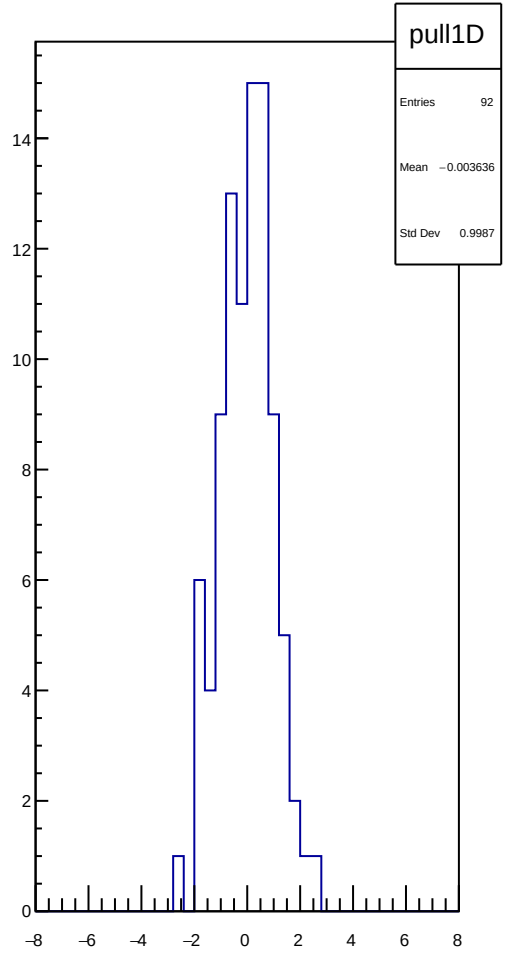

asym_dsl_rms vs run
χ² / ndf 75.22 / 91
p0 284.1 ± 0.2164
292
290
288
286
284
282
280
278

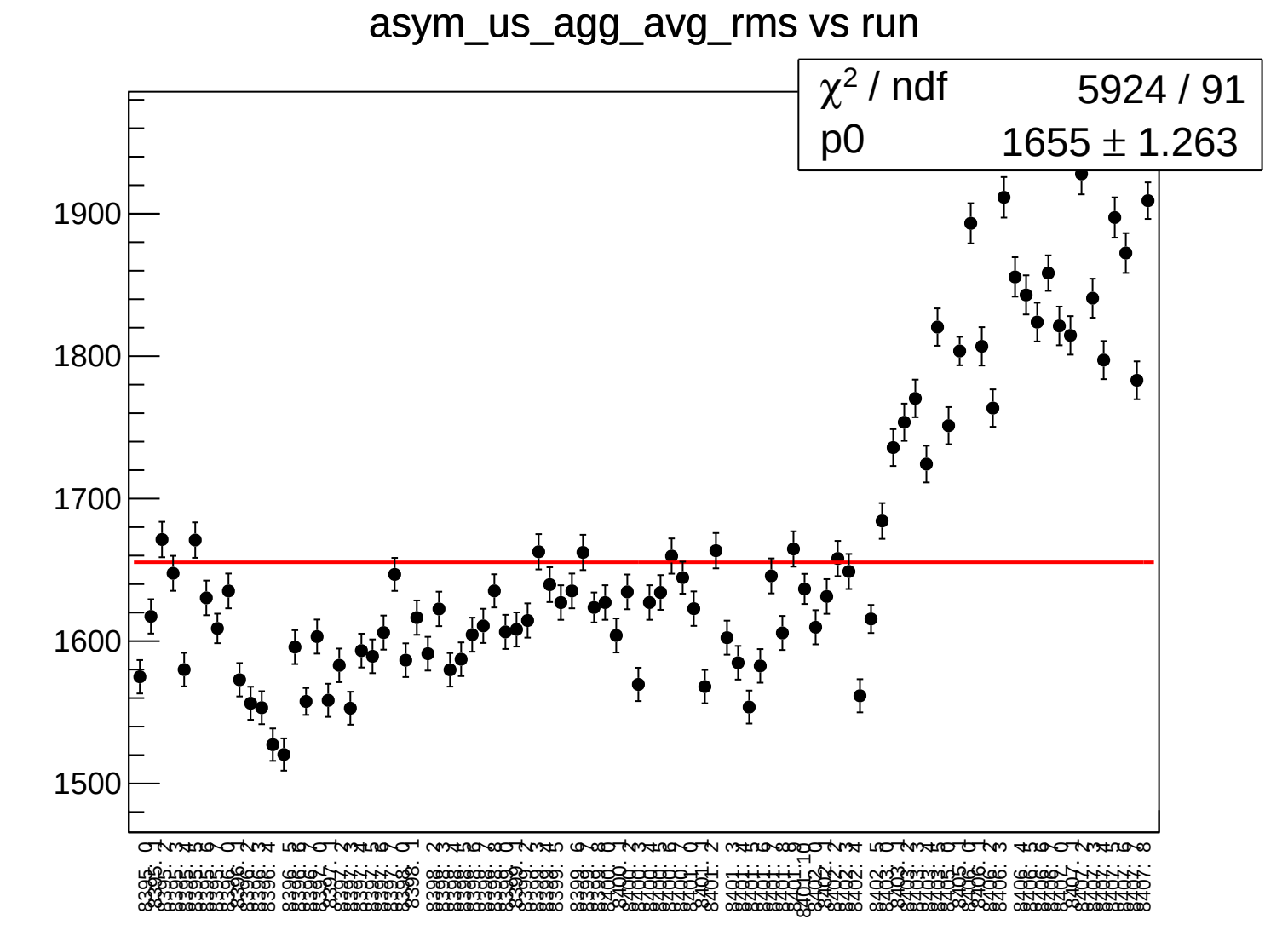

asym_dsr_mean vs run
χ² / ndf 99.63 / 91
p0 188.2 ± 413.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −414.2
Std Dev 0
3
2
1
0
−1
−2

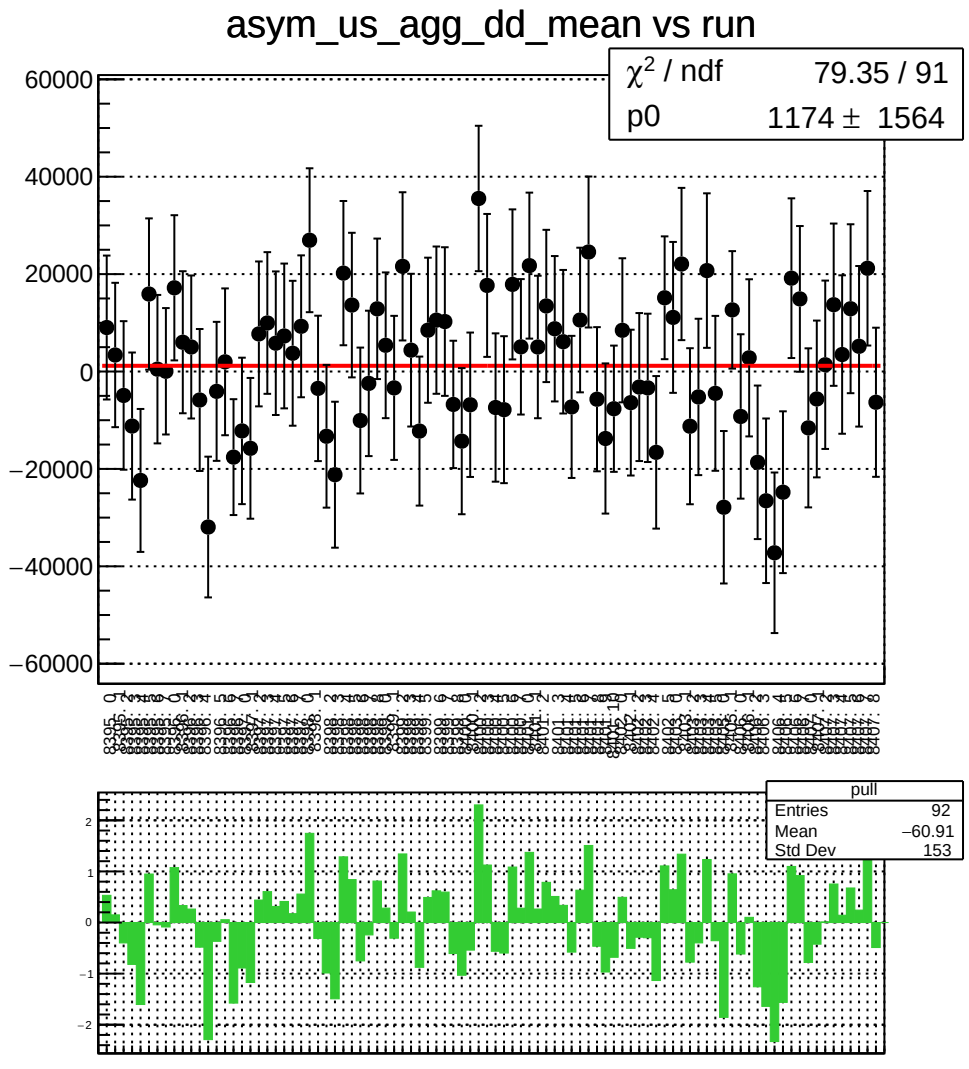

pull1D
Entries 92
Mean 0.004847
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

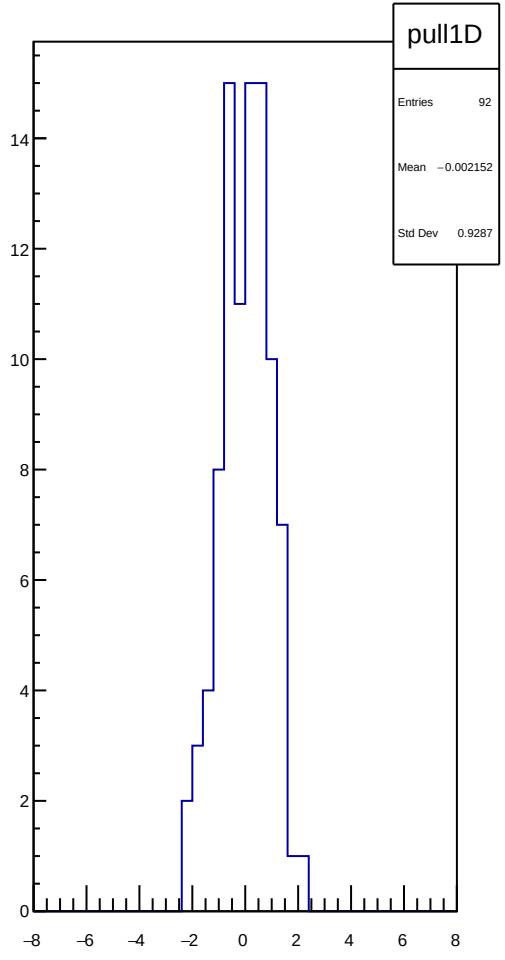

asym_dsr_rms vs run
χ² / ndf 359.3 / 91
p0 383.7 ± 0.2923
400
395
390
385
380
375
370
365

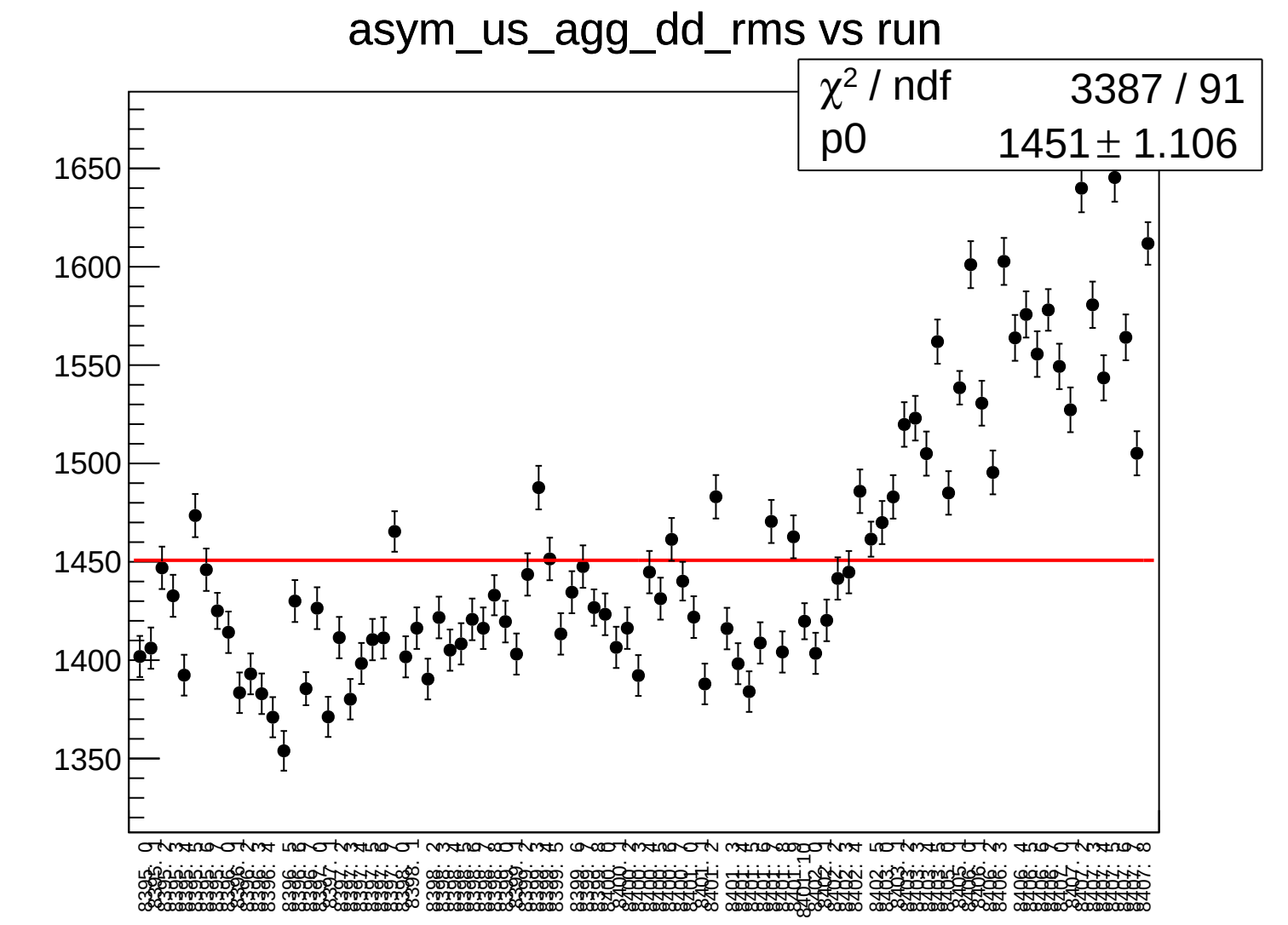

asym_us_agg_avg_mean vs run
χ² / ndf 91.76 / 91
p0 2411 ± 1786
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −124.5
Std Dev 0
3
2
1
0
−1
−2

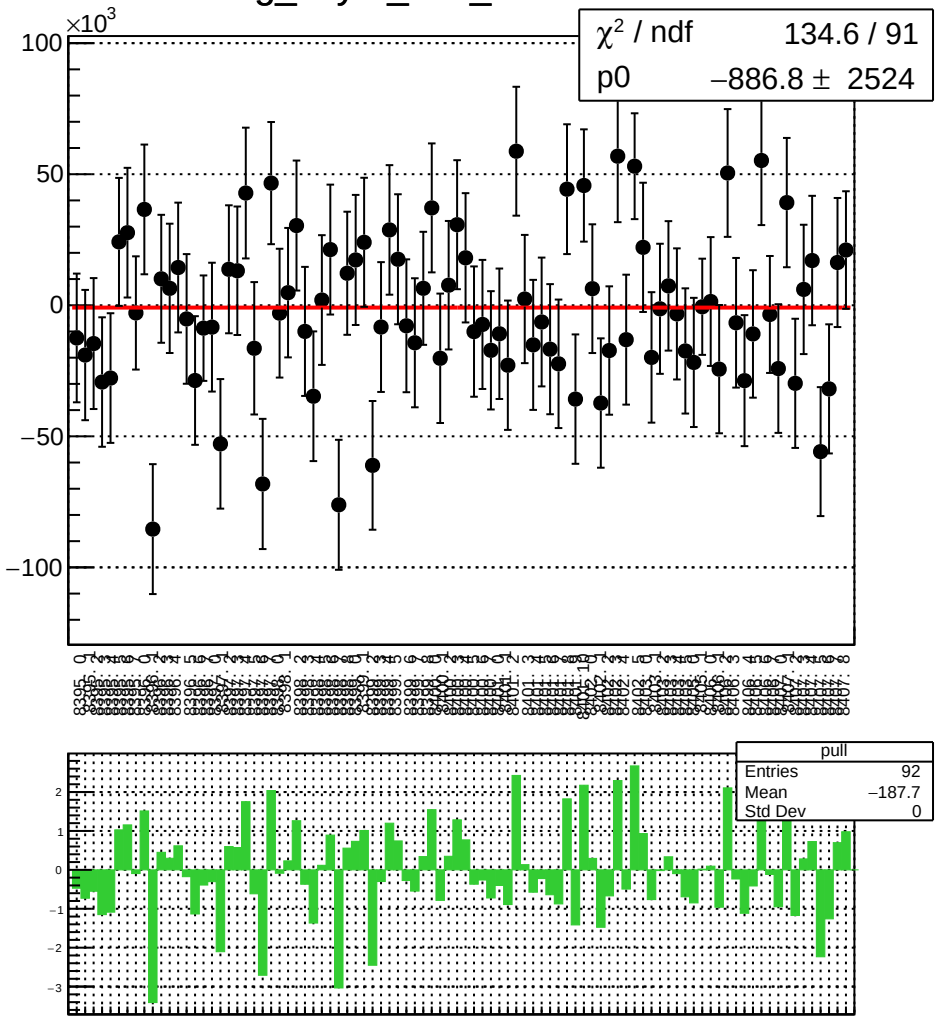

pull1D
Entries 92
Mean −0.003636
Std Dev 0.9987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

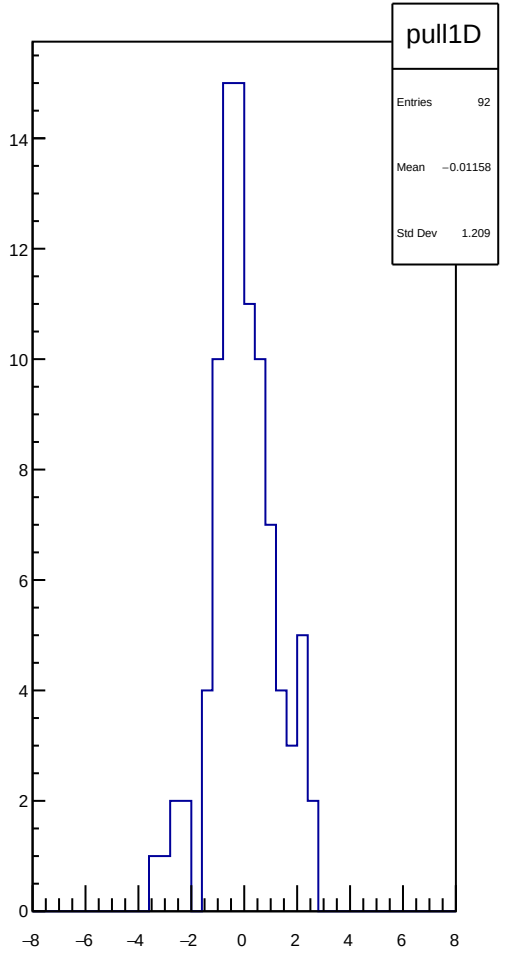

asym_us_agg_avg_rms vs run
χ² / ndf 5924 / 91
p0 1655 ± 1.263
1900
1800
1700
1600
1500

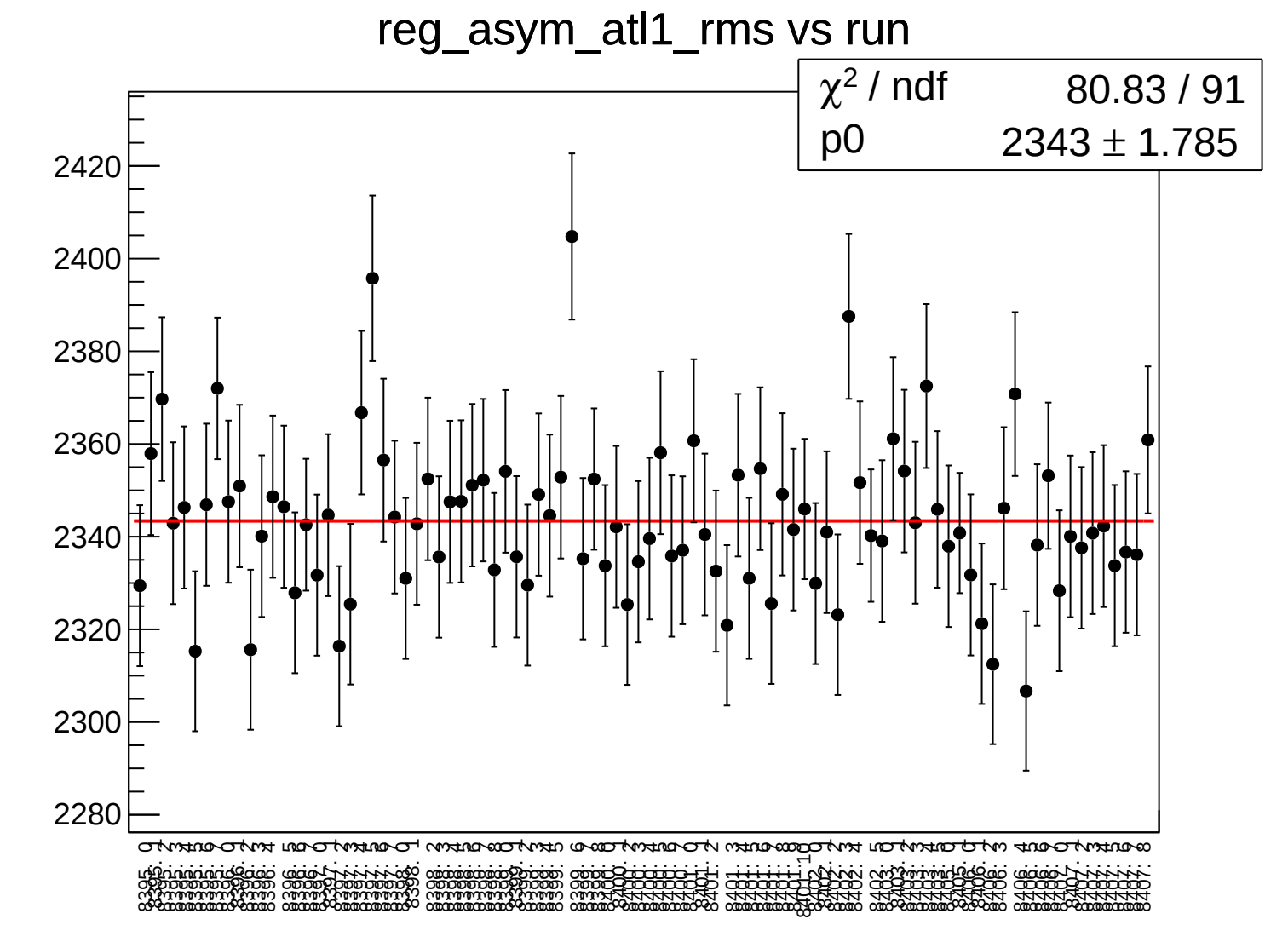

asym_us_agg_dd_mean vs run
χ² / ndf 79.35 / 91
p0 1174 ± 1564
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −60.91
Std Dev 153
2
1
0
−1
−2

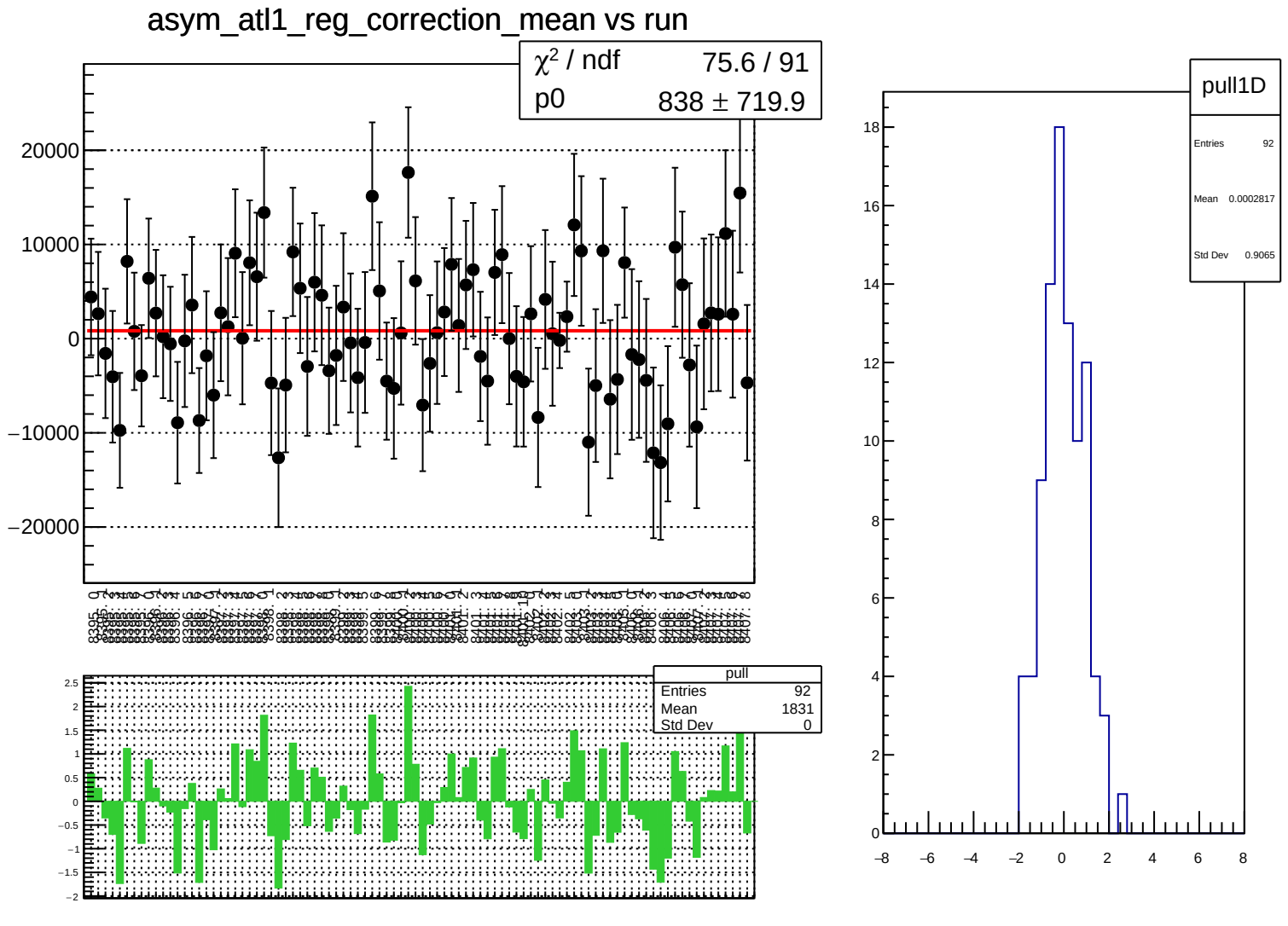

pull1D
Entries 92
Mean −0.002152
Std Dev 0.9287
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

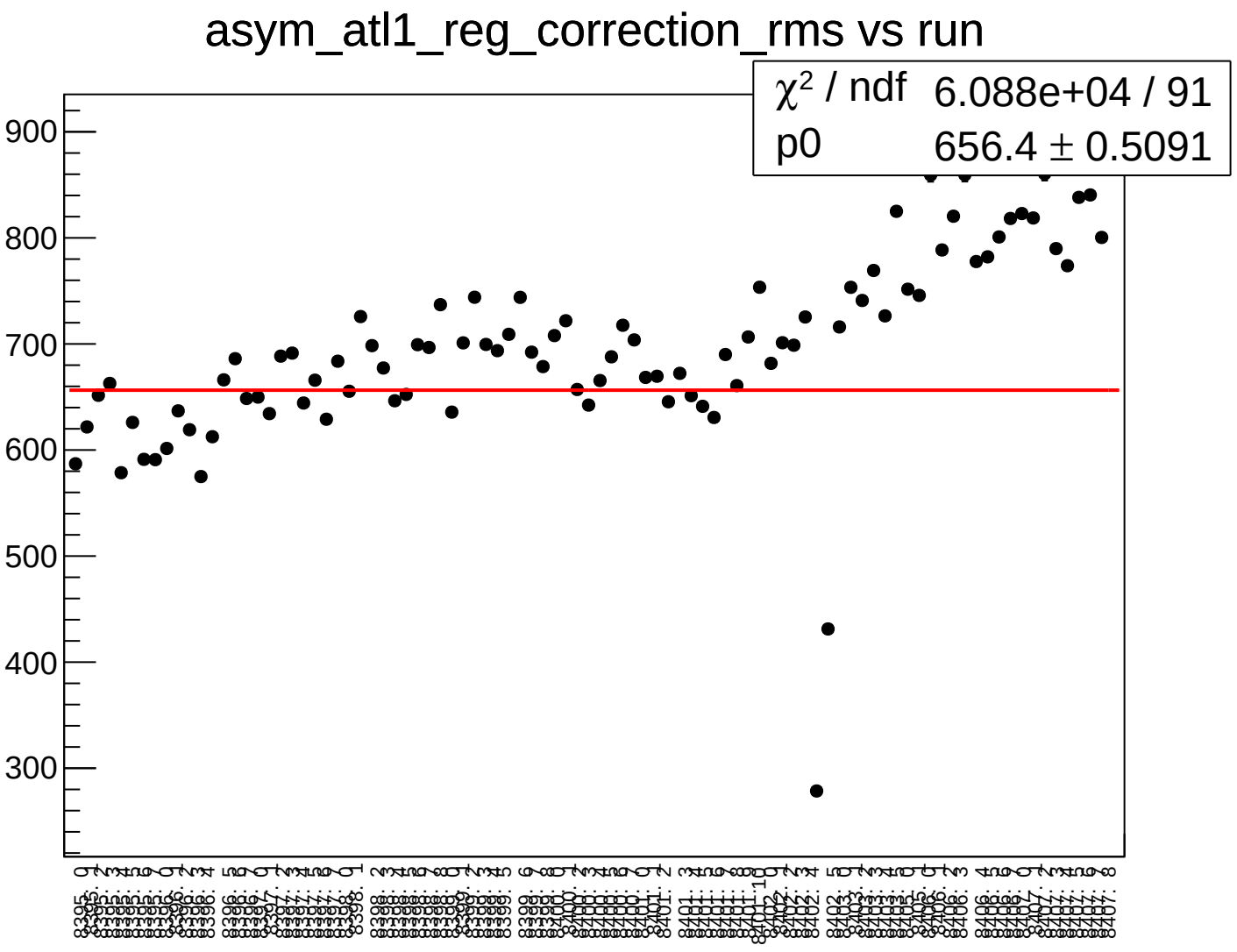

asym_us_agg_dd_rms vs run
$\chi^2$ / ndf 3387 / 91
p0 1451 ± 1.106
1650
1600
1550
1500
1450
1400
1350

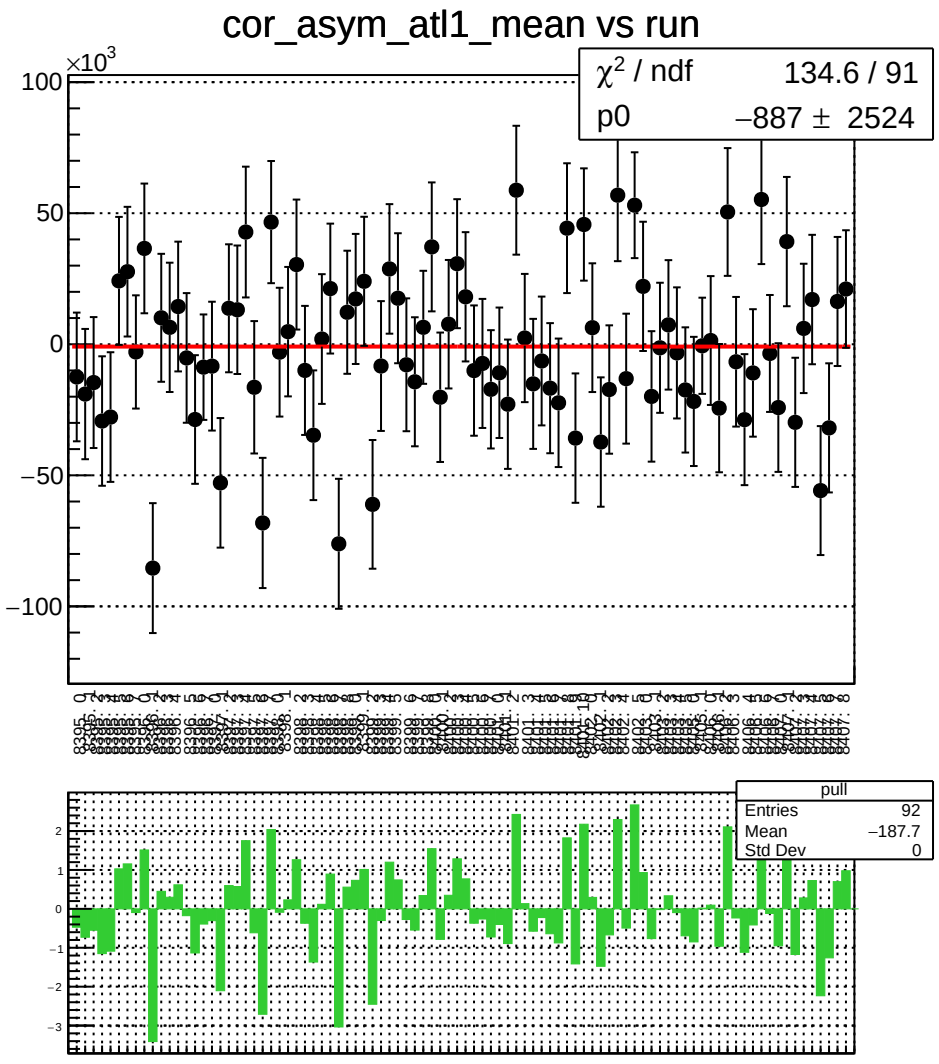

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 134.6 / 91
p0 −886.8 ± 2524
pull
Entries 92
Mean −187.7
Std Dev 0

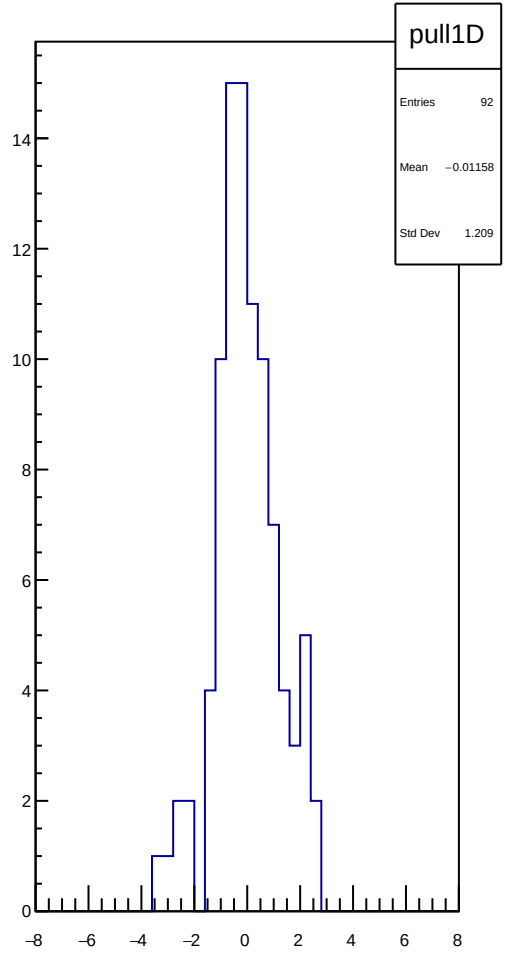

pull1D
Entries 92
Mean −0.01158
Std Dev 1.209

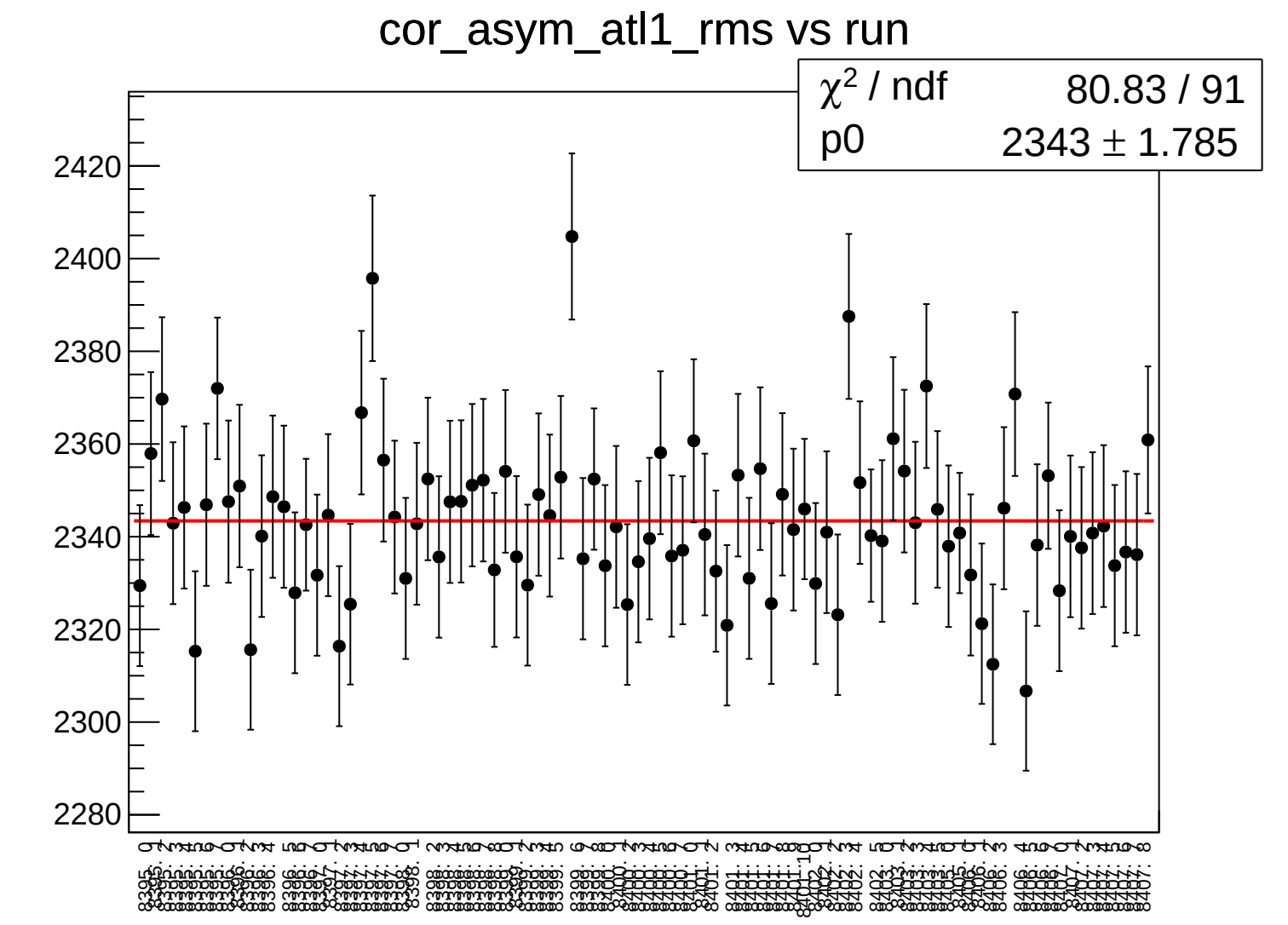

reg_asym_atl1_rms vs run
$\chi^2$ / ndf 80.83 / 91
p0 2343 ± 1.785
2420
2400
2380
2360
2340
2320
2300
2280

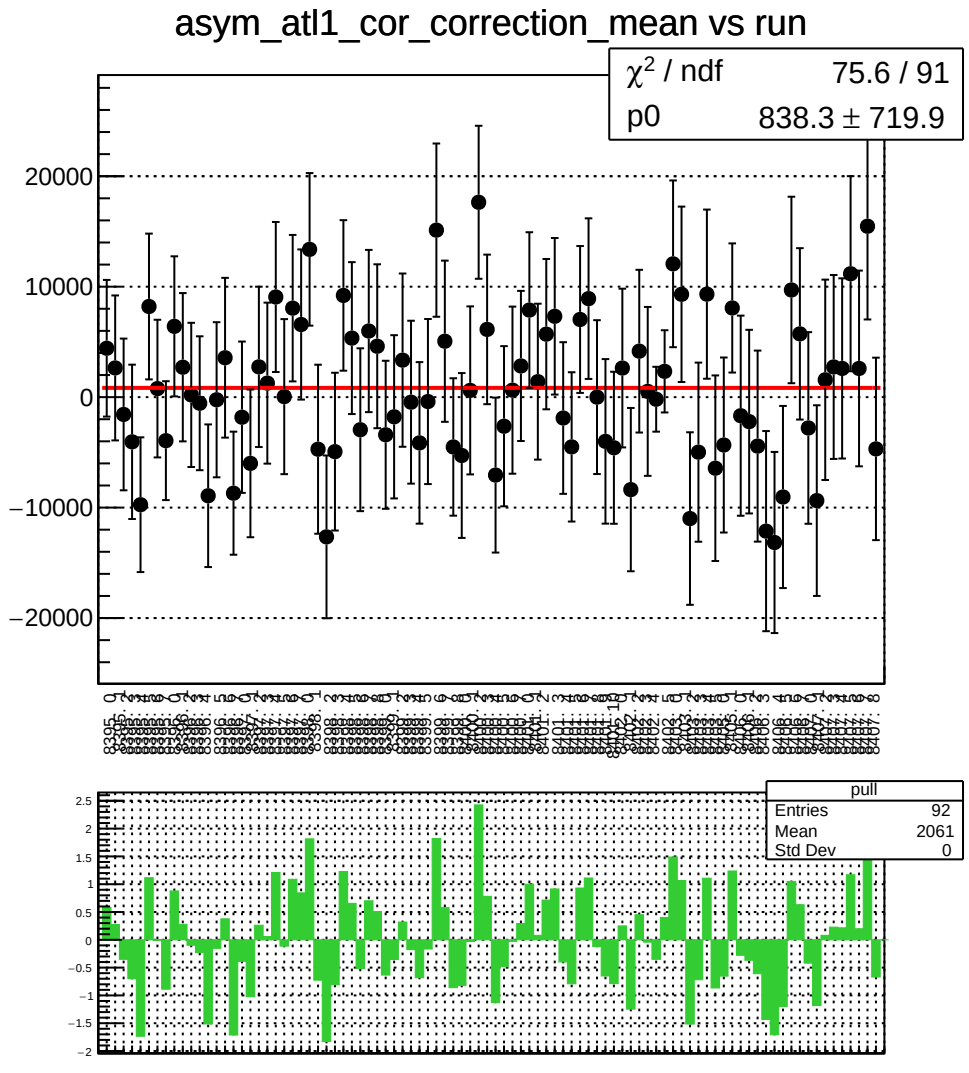

asym_atl1_reg_correction_mean vs run
χ² / ndf 75.6 / 91
p0 838 ± 719.9
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 1831
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.0002817
Std Dev 0.9065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

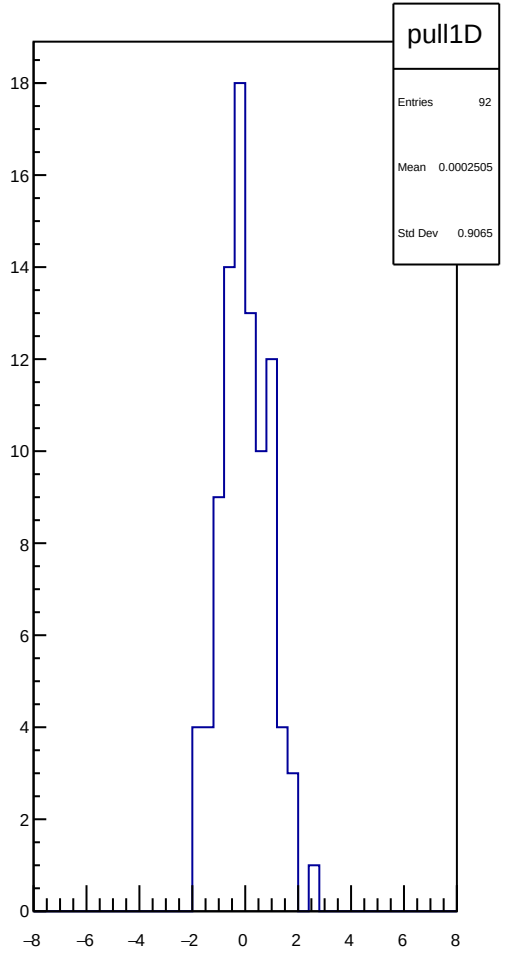

asym_atl1_reg_correction_rms vs run
χ² / ndf 6.088e+04 / 91
p0 656.4 ± 0.5091
900
800
700
600
500
400
300

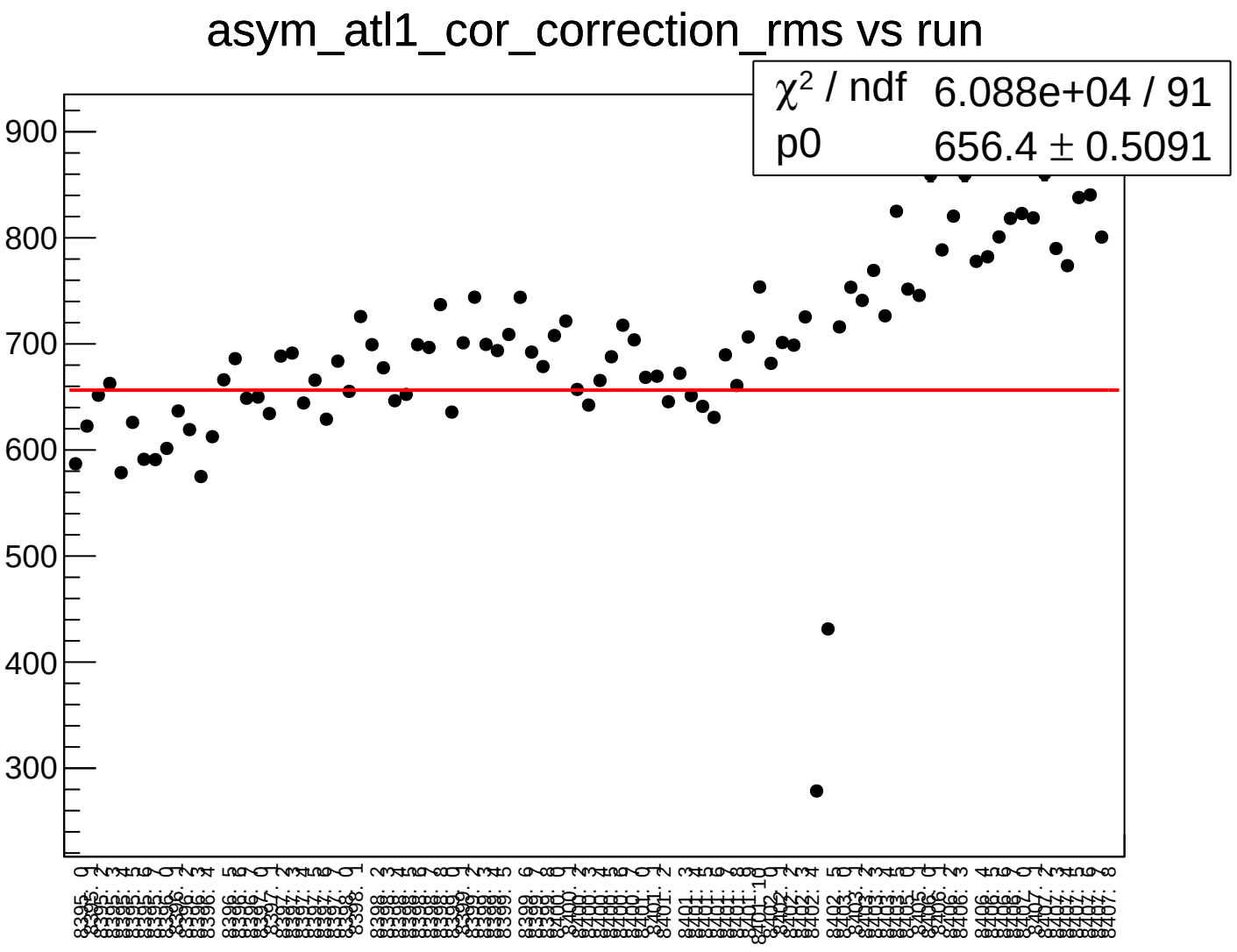

cor_asym_atl1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 134.6 / 91
p0 −887 ± 2524
pull
Entries 92
Mean −187.7
Std Dev 0
2
1
0
−1
−2
−3

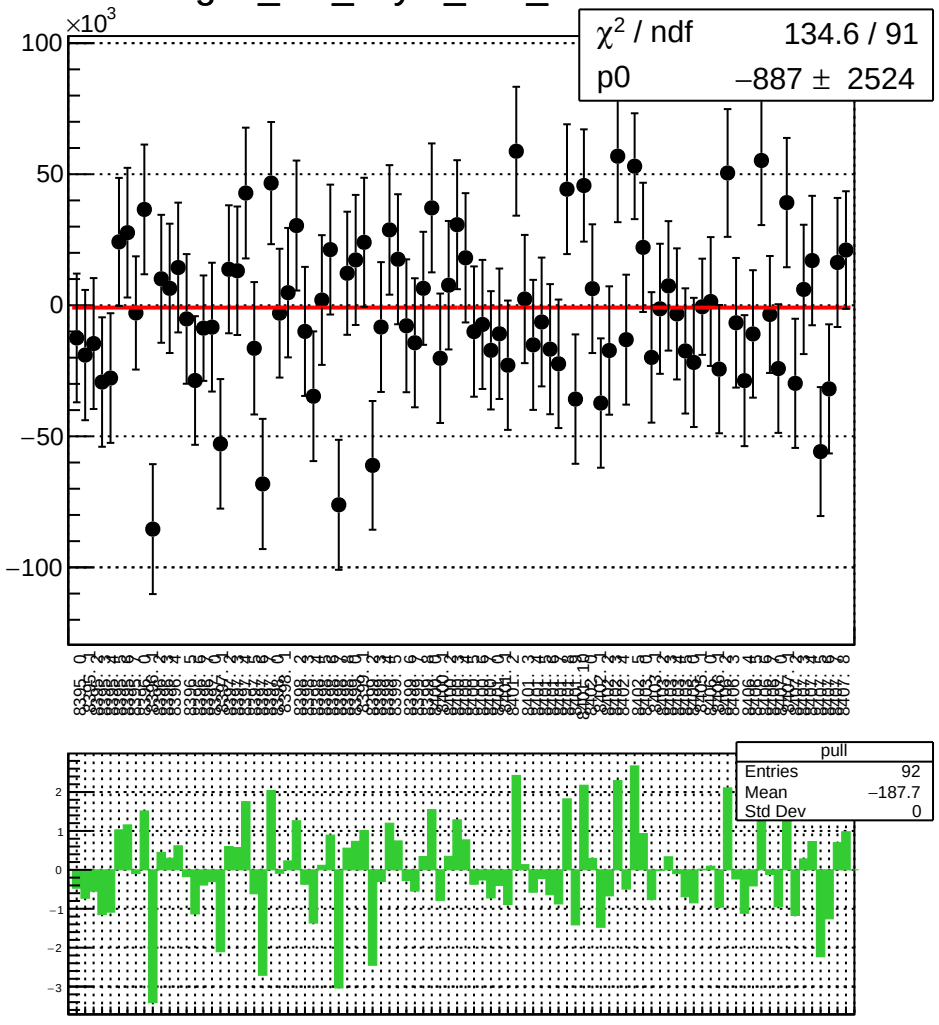

pull1D
Entries 92
Mean −0.01158
Std Dev 1.209
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

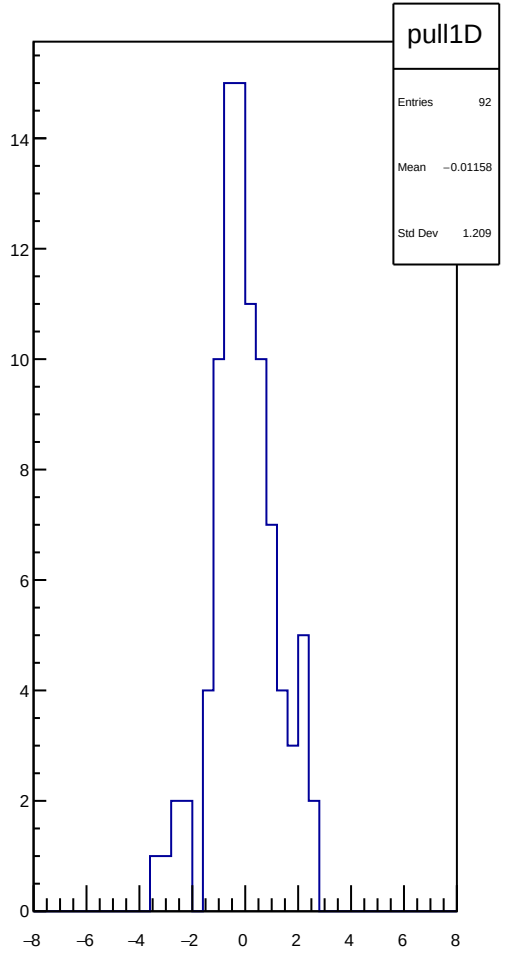

cor_asym_atl1_rms vs run
$\chi^2$ / ndf 80.83 / 91
p0 2343 ± 1.785
2420
2400
2380
2360
2340
2320
2300
2280

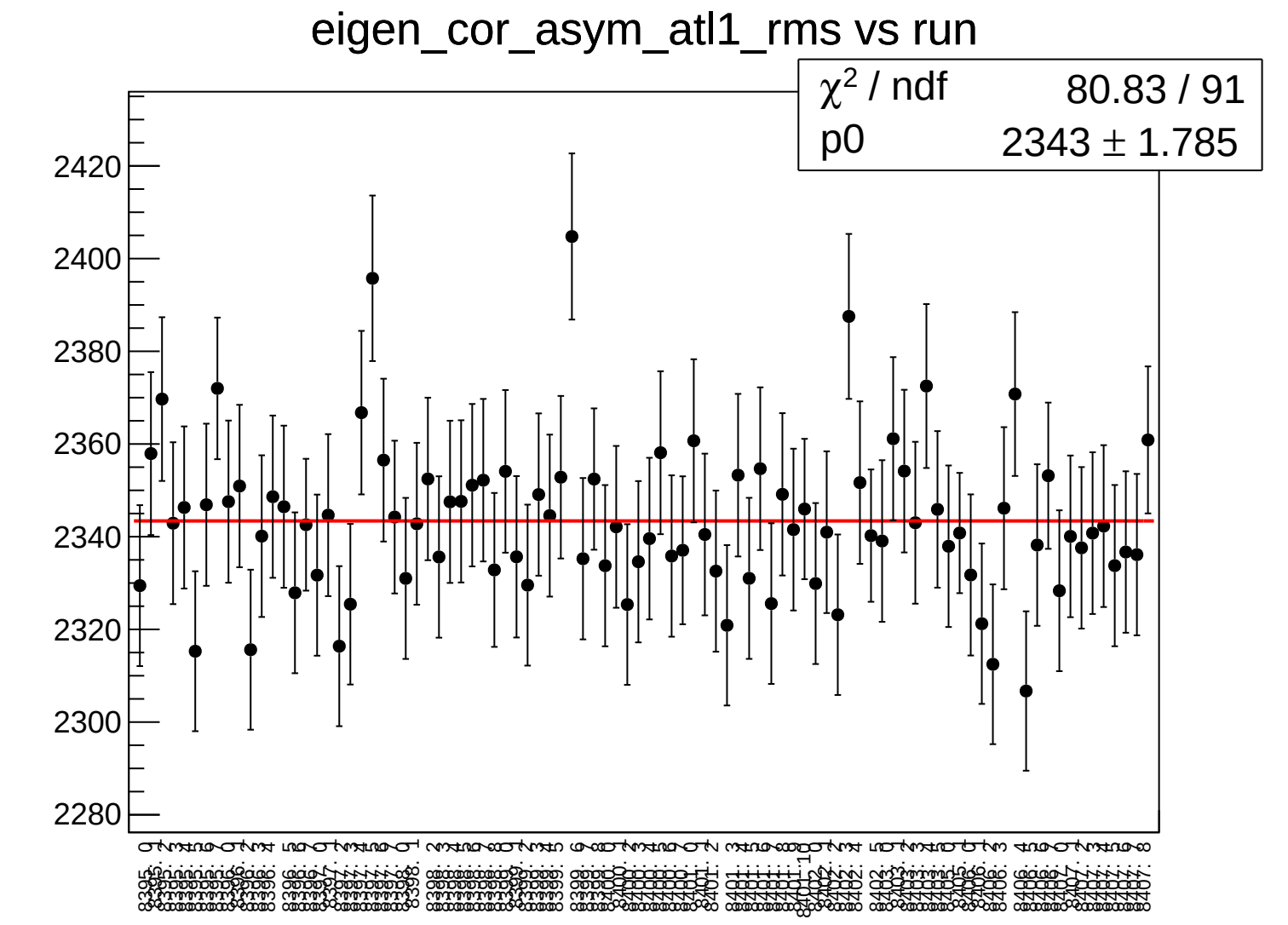

asym_atl1_cor_correction_mean vs run
χ² / ndf 75.6 / 91
p0 838.3 ± 719.9
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 2061
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

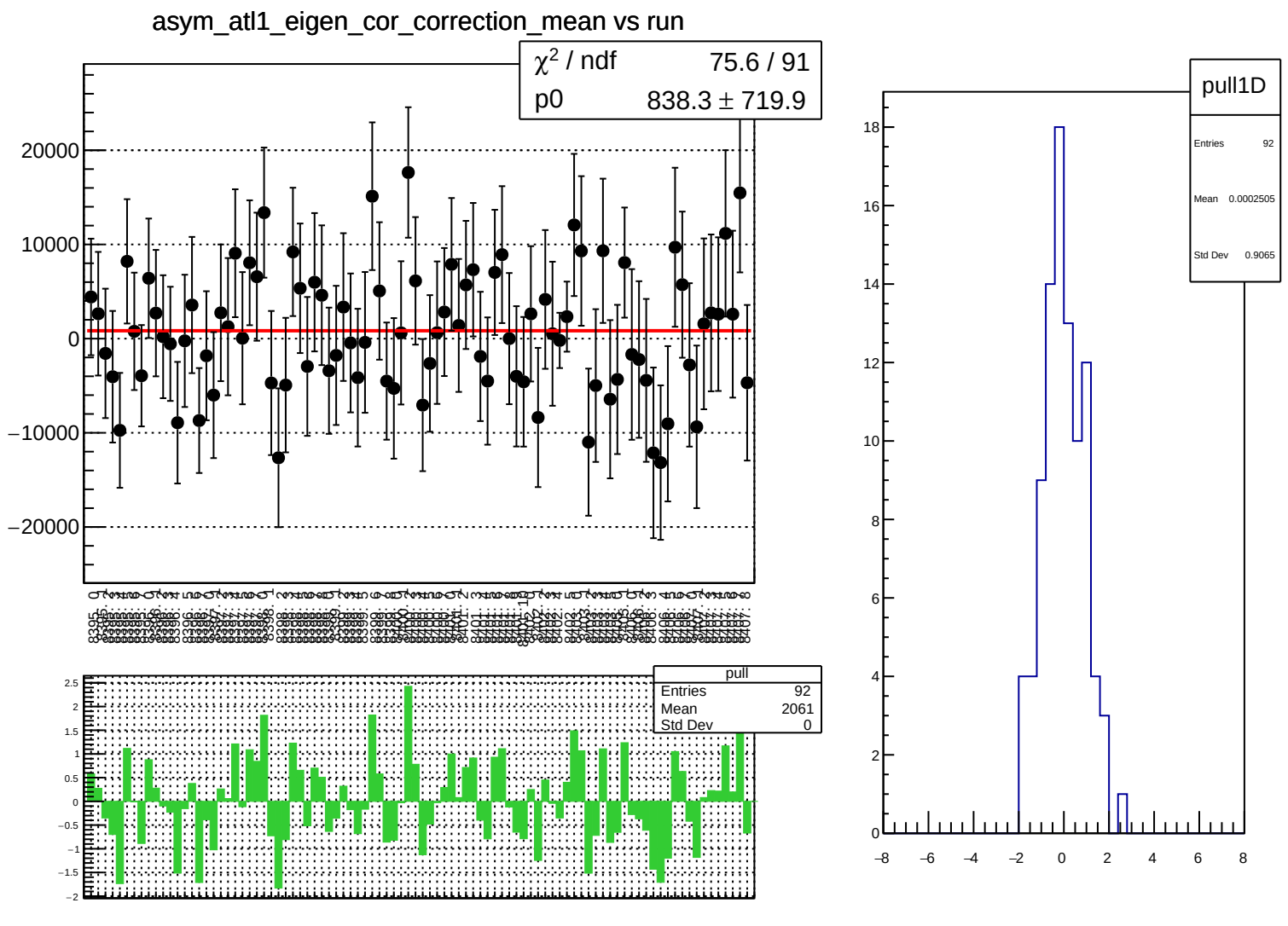

pull1D
Entries 92
Mean 0.0002505
Std Dev 0.9065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

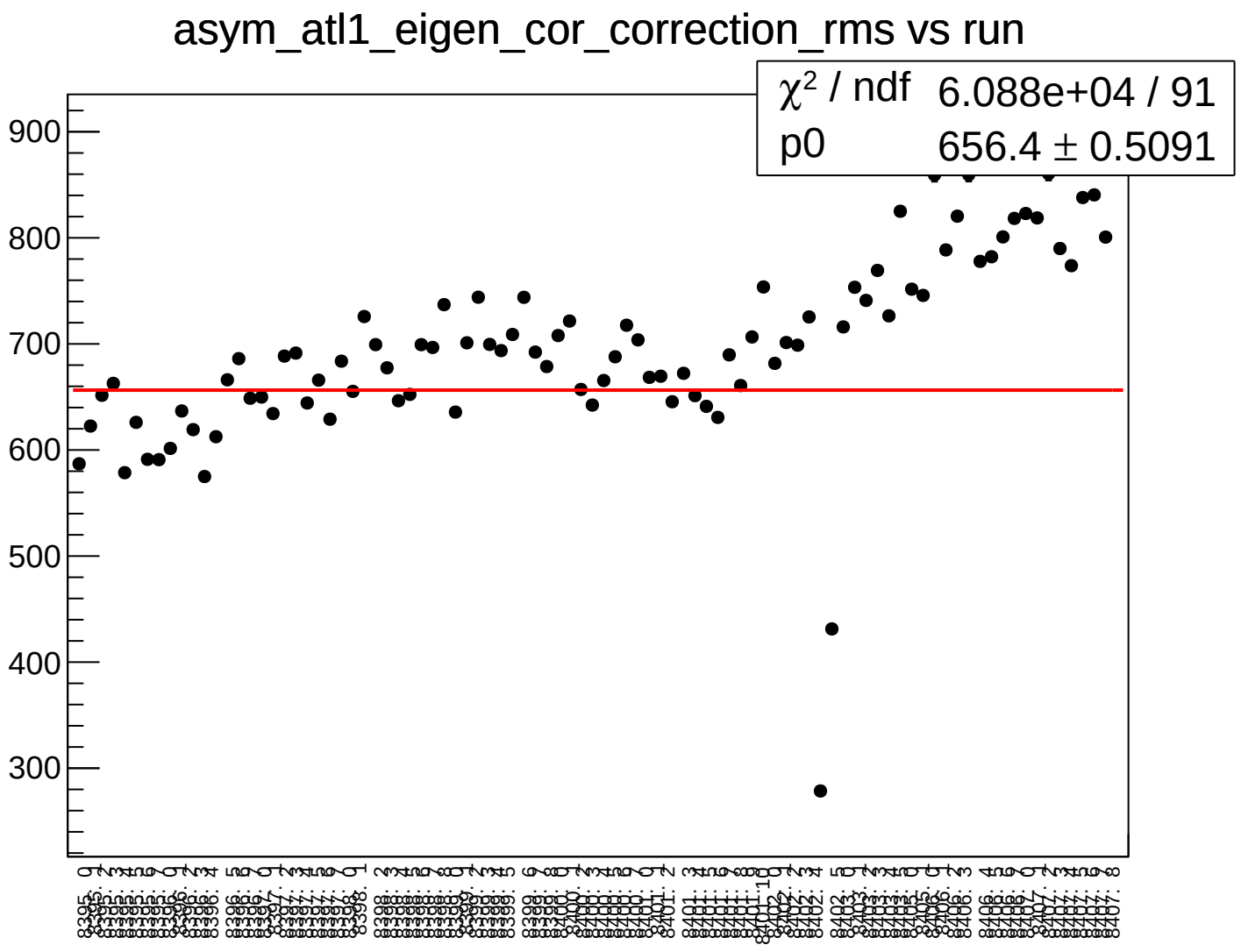

asym_atl1_cor_correction_rms vs run
χ² / ndf 6.088e+04 / 91
p0 656.4 ± 0.5091
900
800
700
600
500
400
300

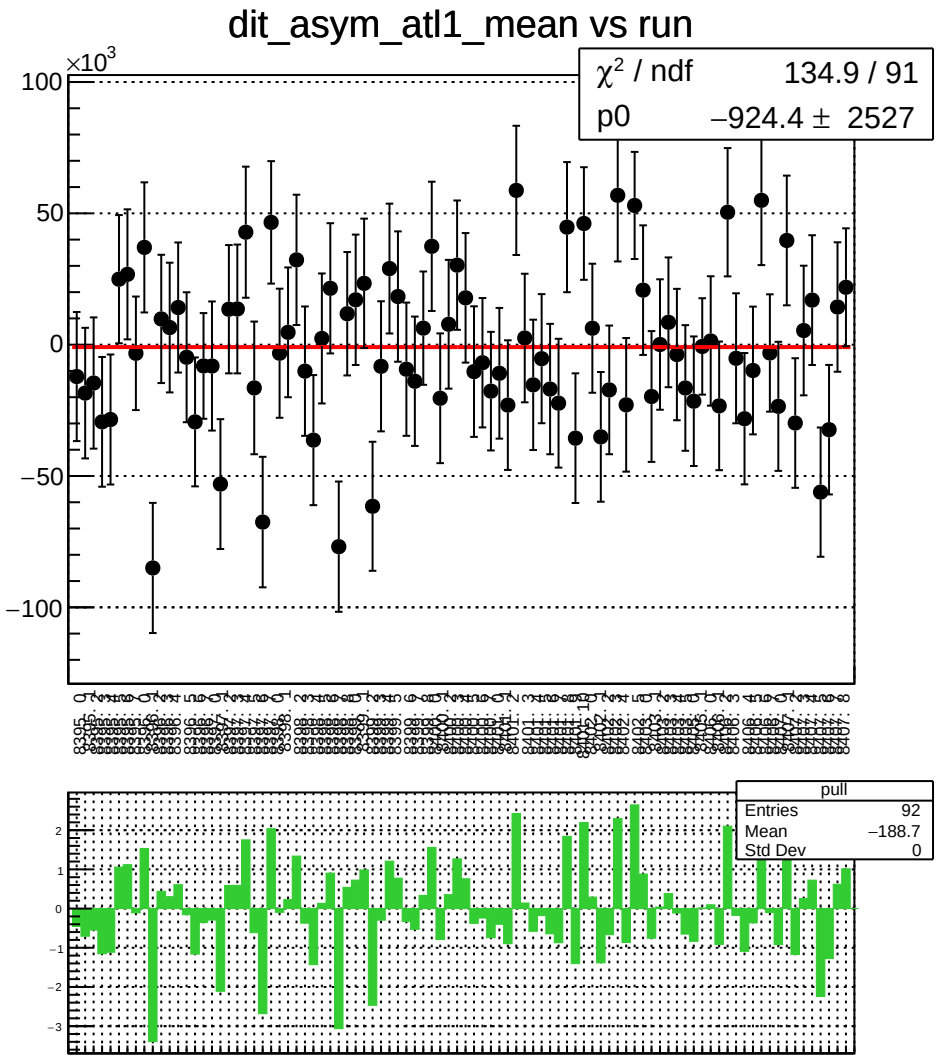

eigen_cor_asym_atl1_mean vs run
×10^3
χ^2 / ndf 134.6 / 91
p0 −887 ± 2524
100
50
0
−50
−100
pull
Entries 92
Mean −187.7
Std Dev 0
2
1
0
−1
−2
−3

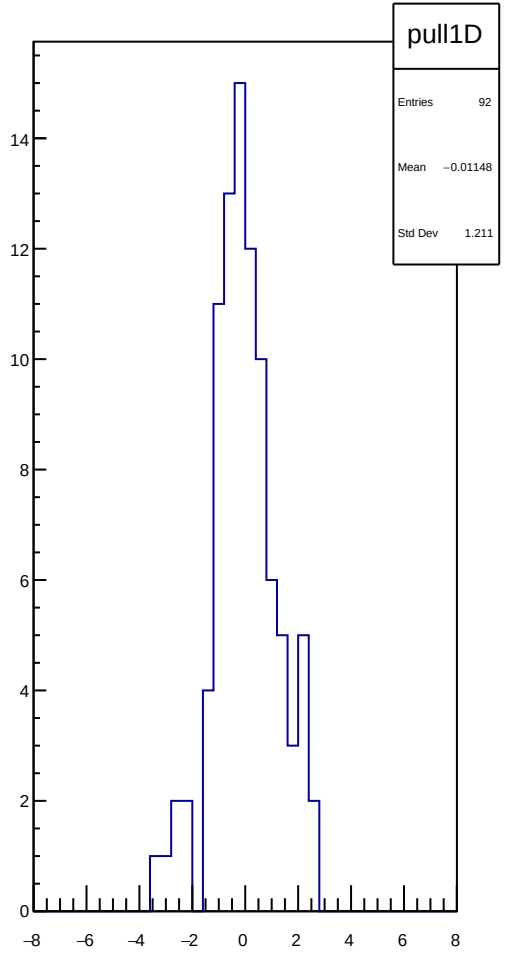

pull1D
Entries 92
Mean −0.01158
Std Dev 1.209
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

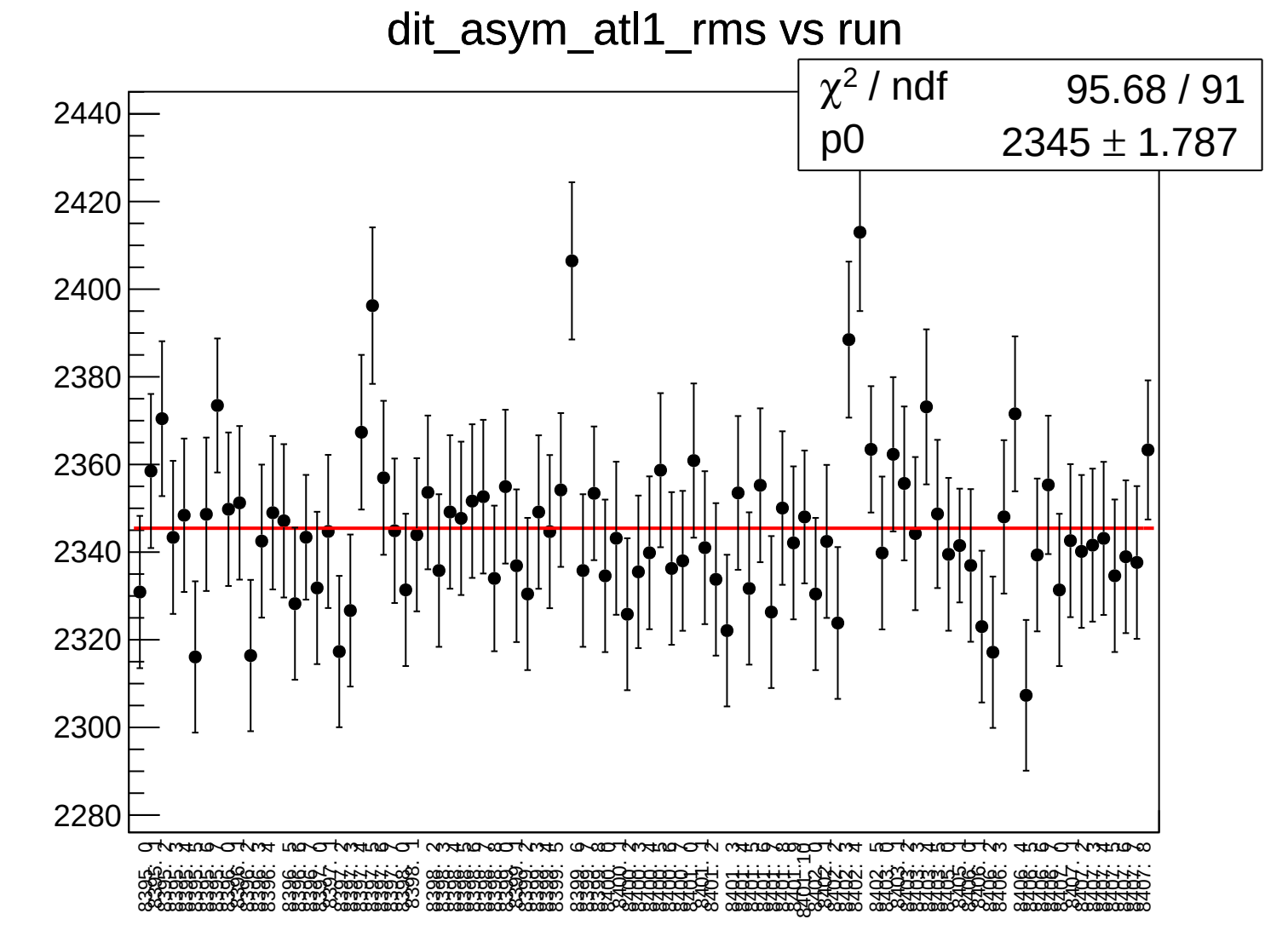

eigen_cor_asym_atl1_rms vs run
$\chi^2$ / ndf 80.83 / 91
p0 2343 ± 1.785
2420
2400
2380
2360
2340
2320
2300
2280

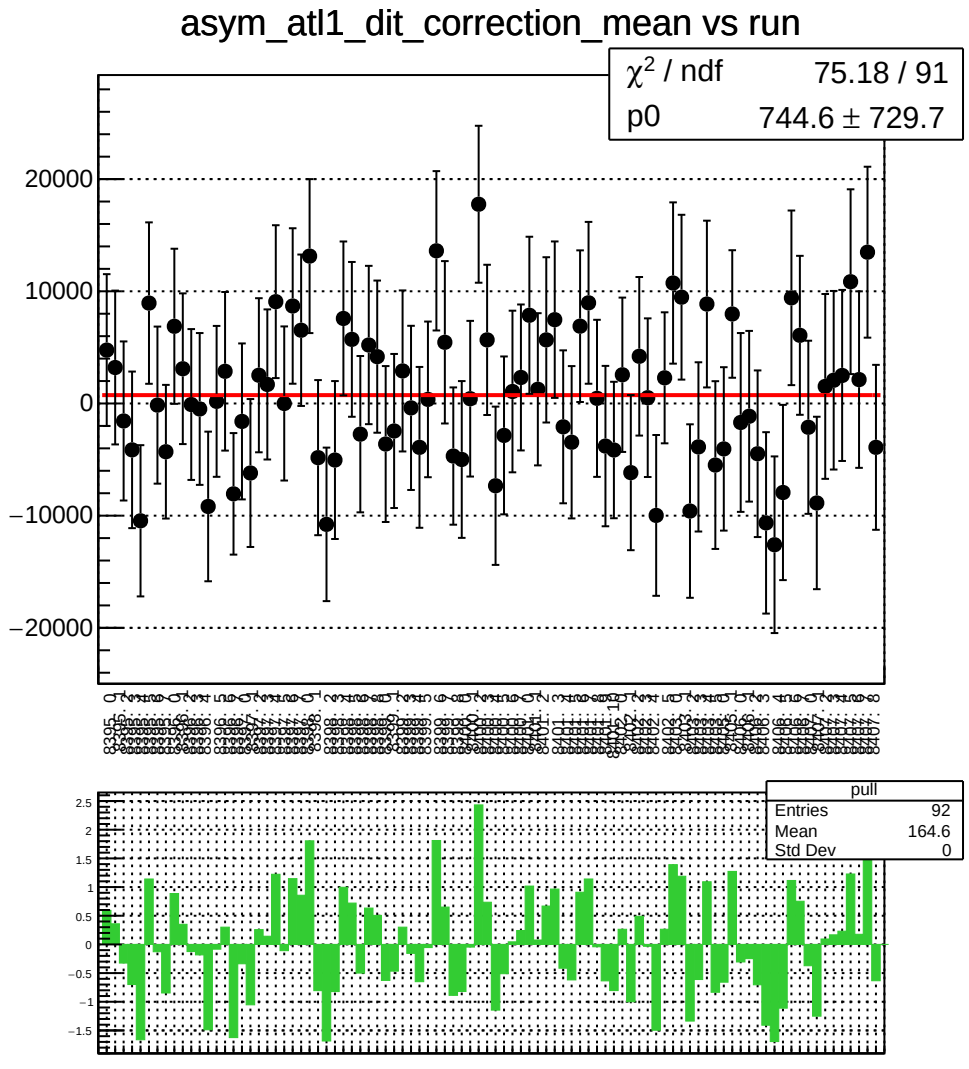

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 75.6 / 91
p0 838.3 ± 719.9
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 2061
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.0002505
Std Dev 0.9065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

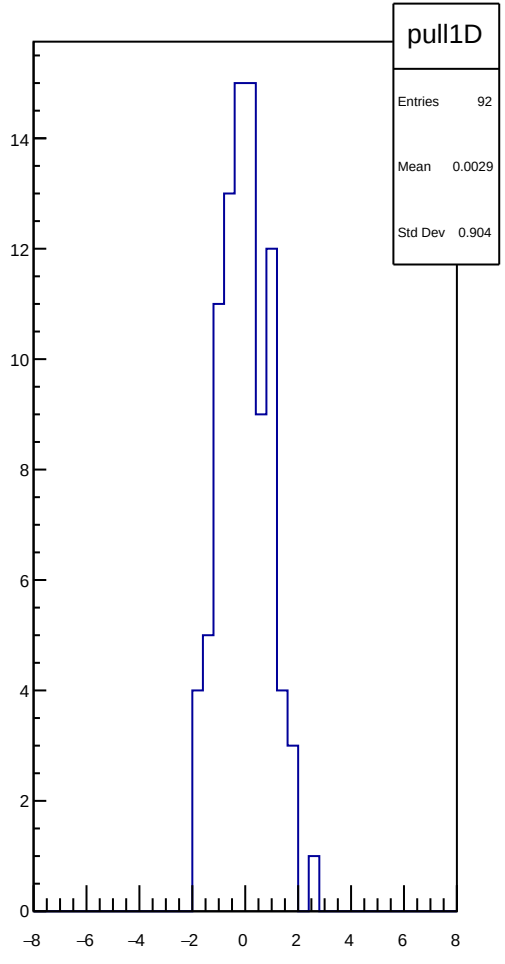

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 6.088e+04 / 91
p0 656.4 ± 0.5091
900
800
700
600
500
400
300

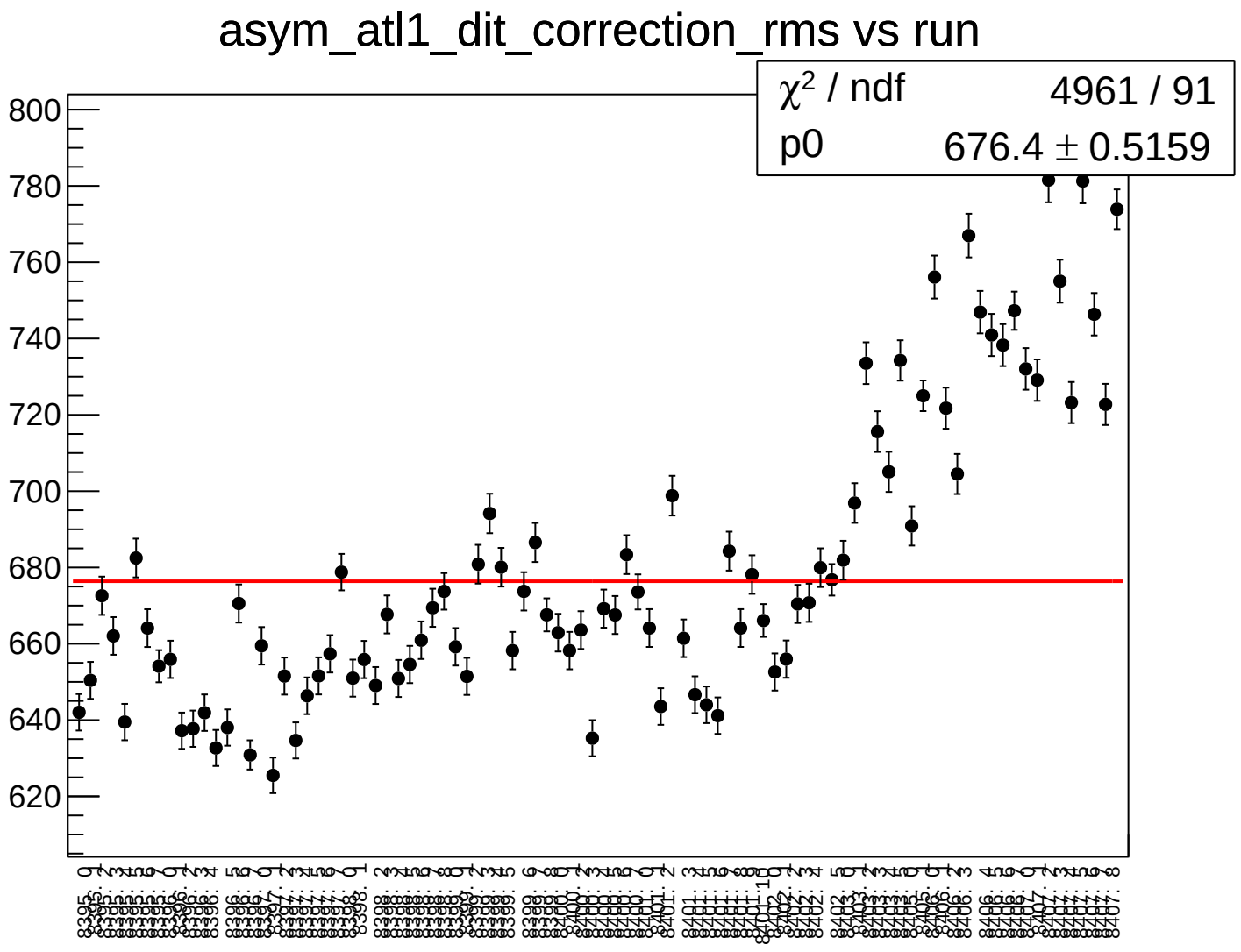

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 134.9 / 91
p0 −924.4 ± 2527
100
50
0
−50
−100
pull
Entries 92
Mean −188.7
Std Dev 0
2
1
0
−1
−2
−3

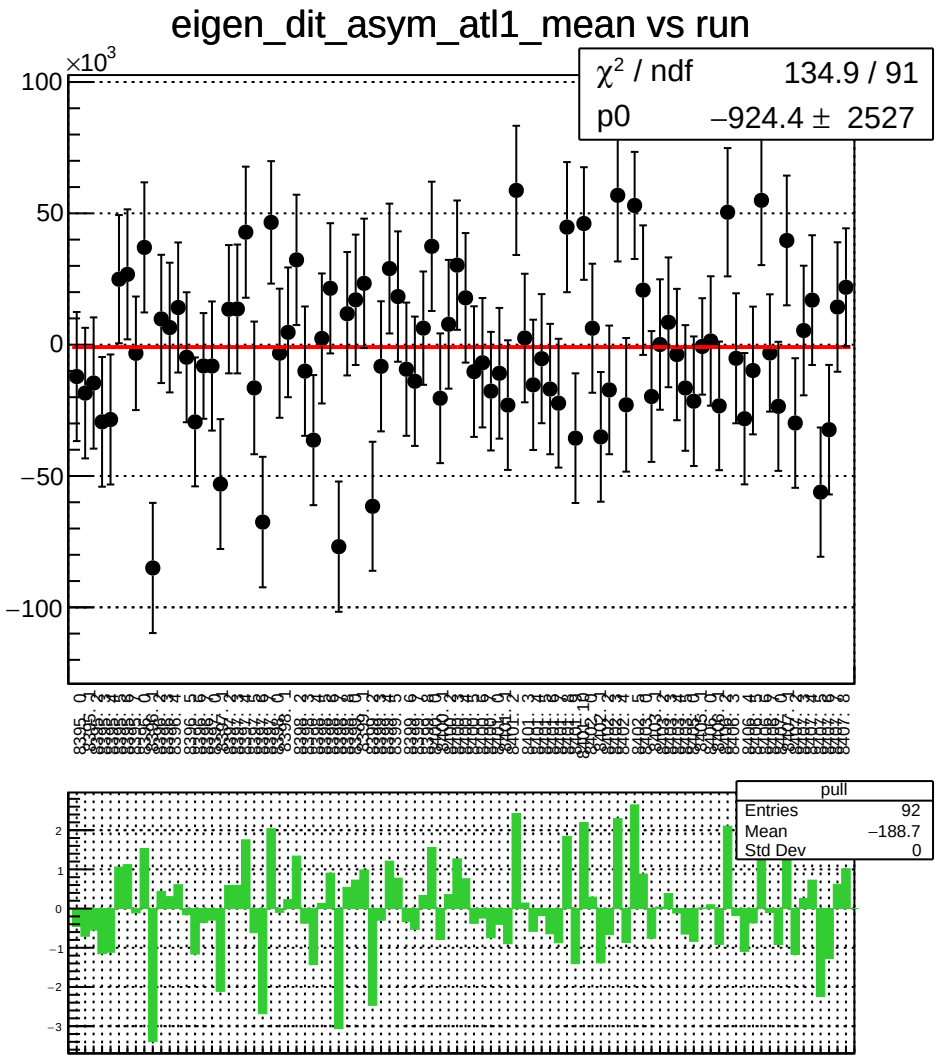

pull1D
Entries 92
Mean −0.01148
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

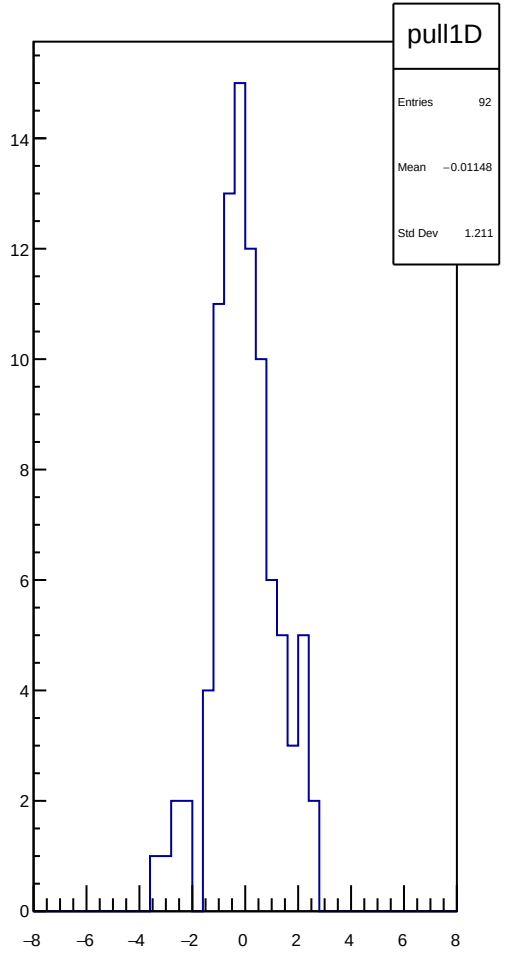

dit_asym_atl1_rms vs run
$\chi^2$ / ndf 95.68 / 91
p0 2345 ± 1.787
2440
2420
2400
2380
2360
2340
2320
2300
2280

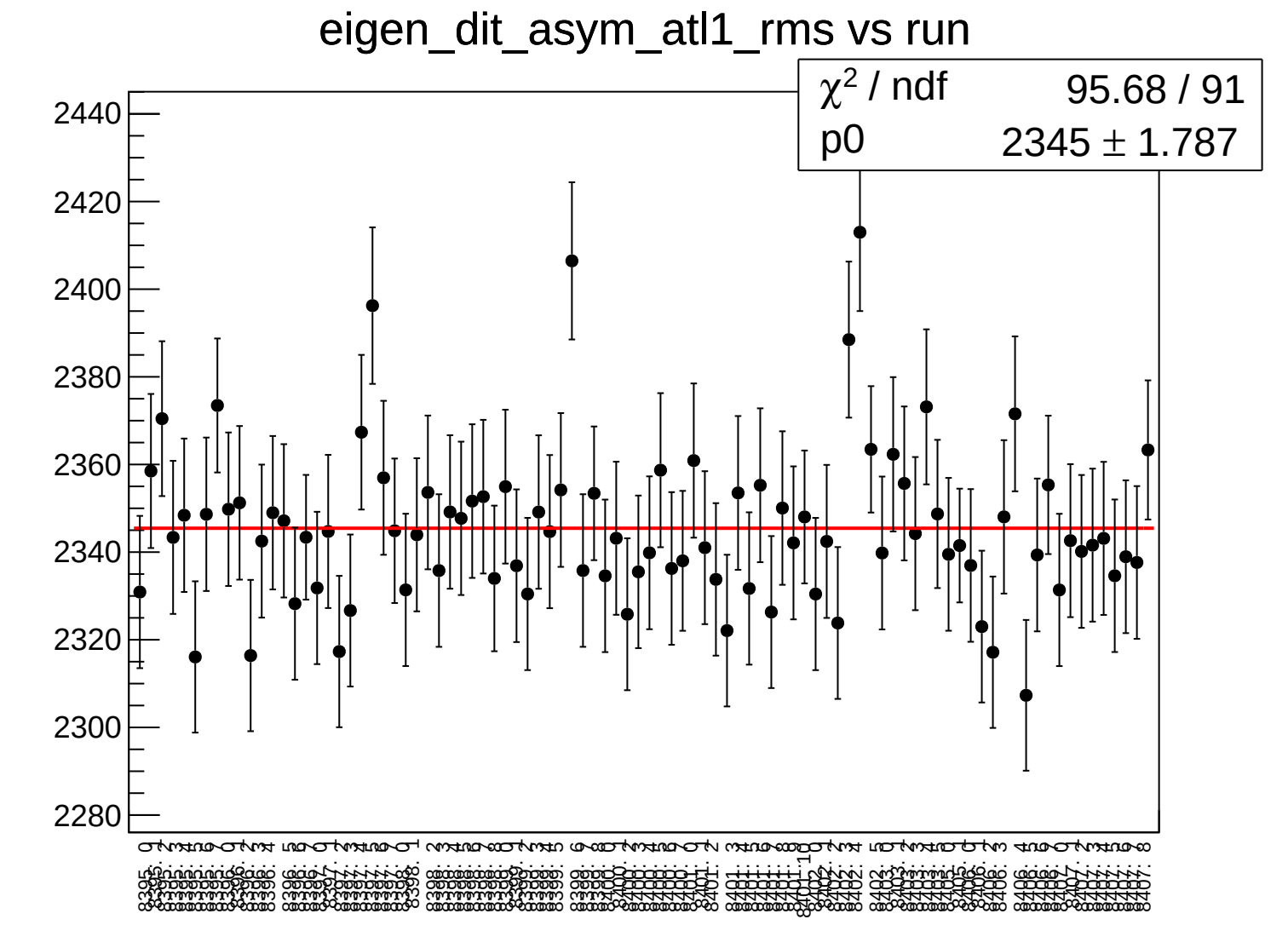

asym_atl1_dit_correction_mean vs run
χ² / ndf 75.18 / 91
p0 744.6 ± 729.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 164.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

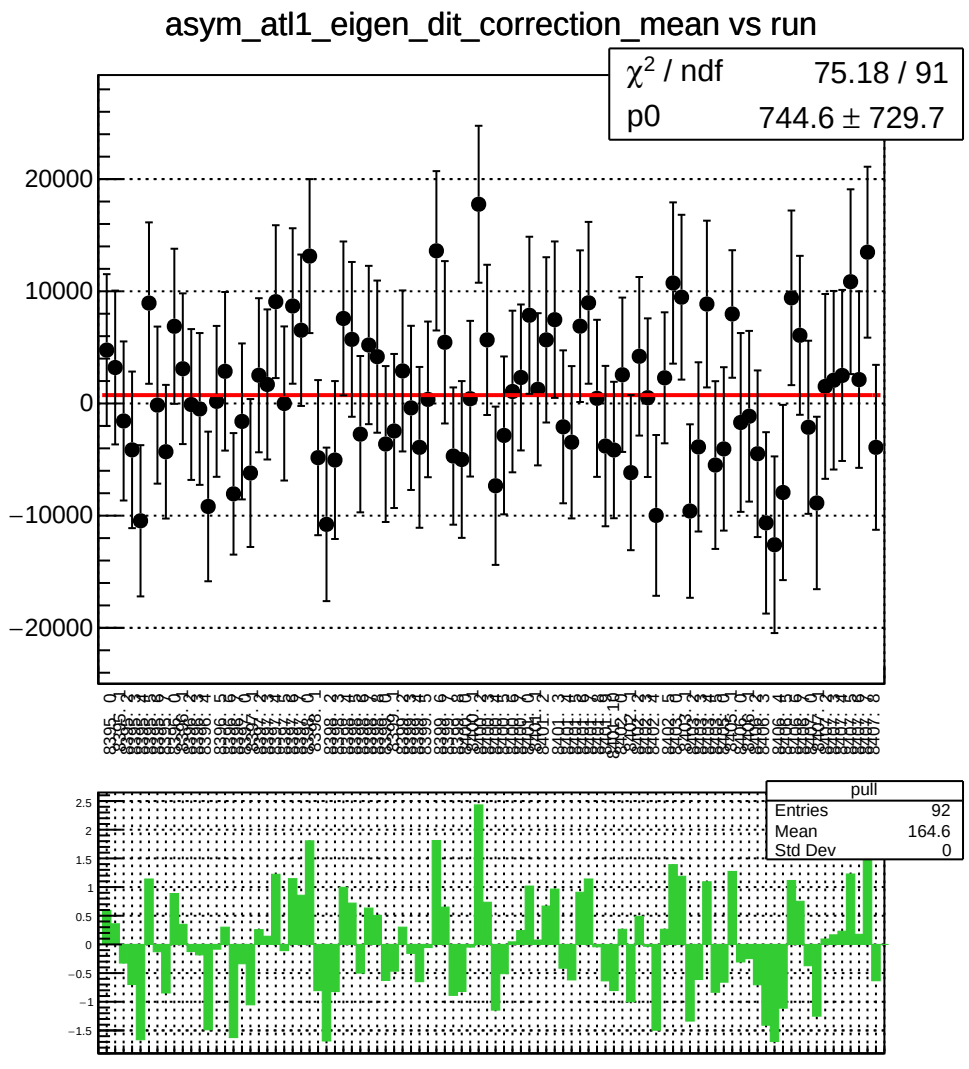

pull1D
Entries 92
Mean 0.0029
Std Dev 0.904
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

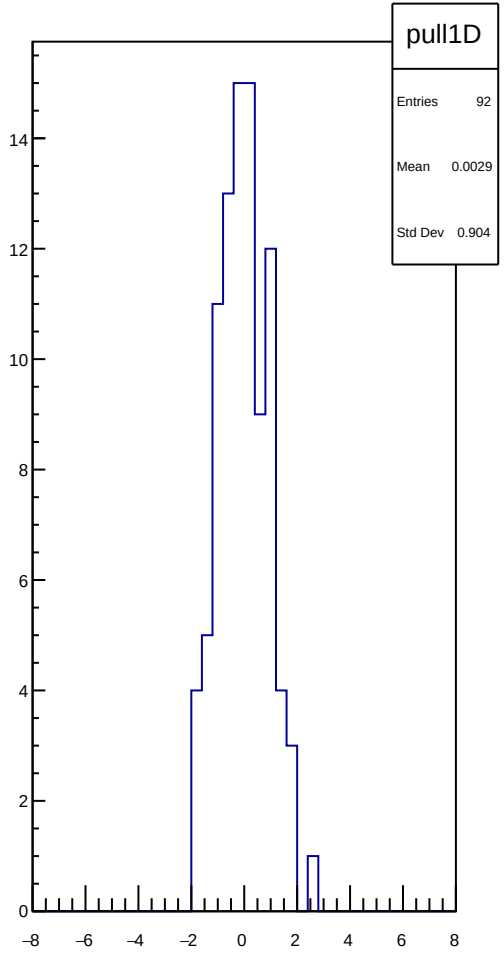

asym_atl1_dit_correction_rms vs run
χ² / ndf 4961 / 91
p0 676.4 ± 0.5159
800
780
760
740
720
700
680
660
640
620

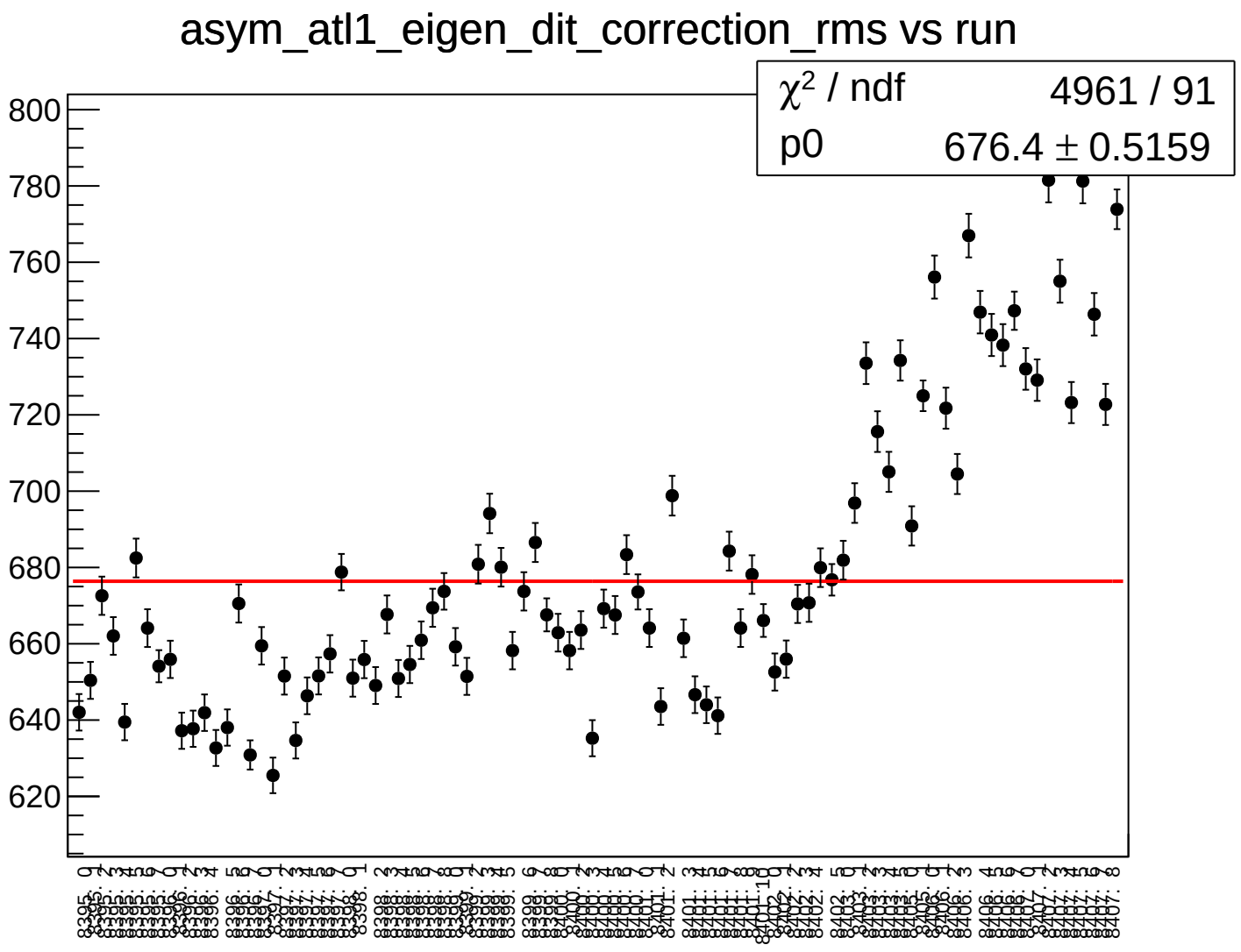

eigen_dit_asym_atl1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 134.9 / 91
p0 −924.4 ± 2527
pull
Entries 92
Mean −188.7
Std Dev 0
2
1
0
−1
−2
−3

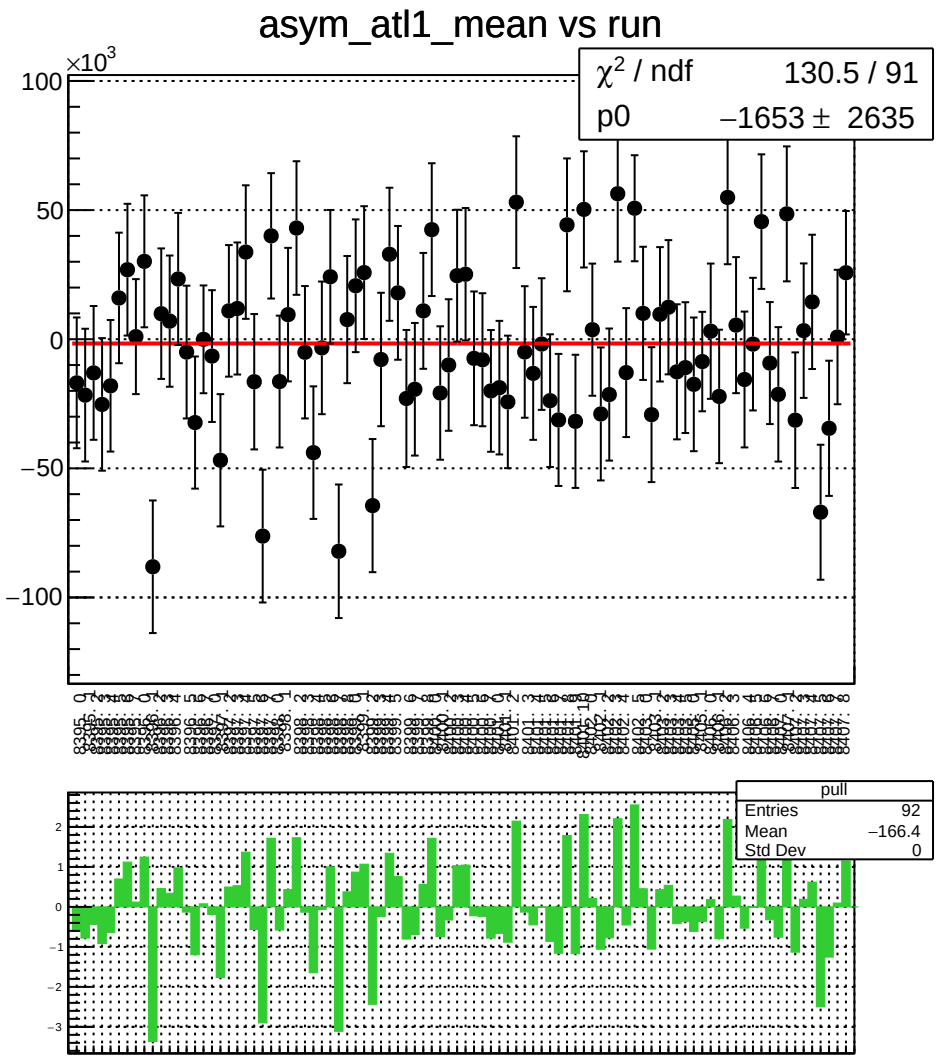

pull1D
Entries 92
Mean −0.01148
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

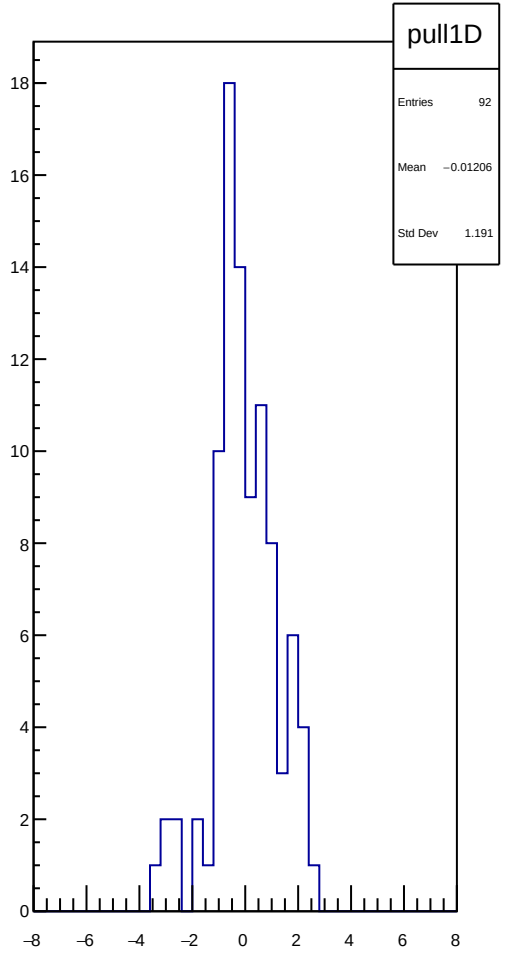

eigen_dit_asym_atl1_rms vs run
$\chi^2$ / ndf 95.68 / 91
p0 2345 ± 1.787
2440
2420
2400
2380
2360
2340
2320
2300
2280

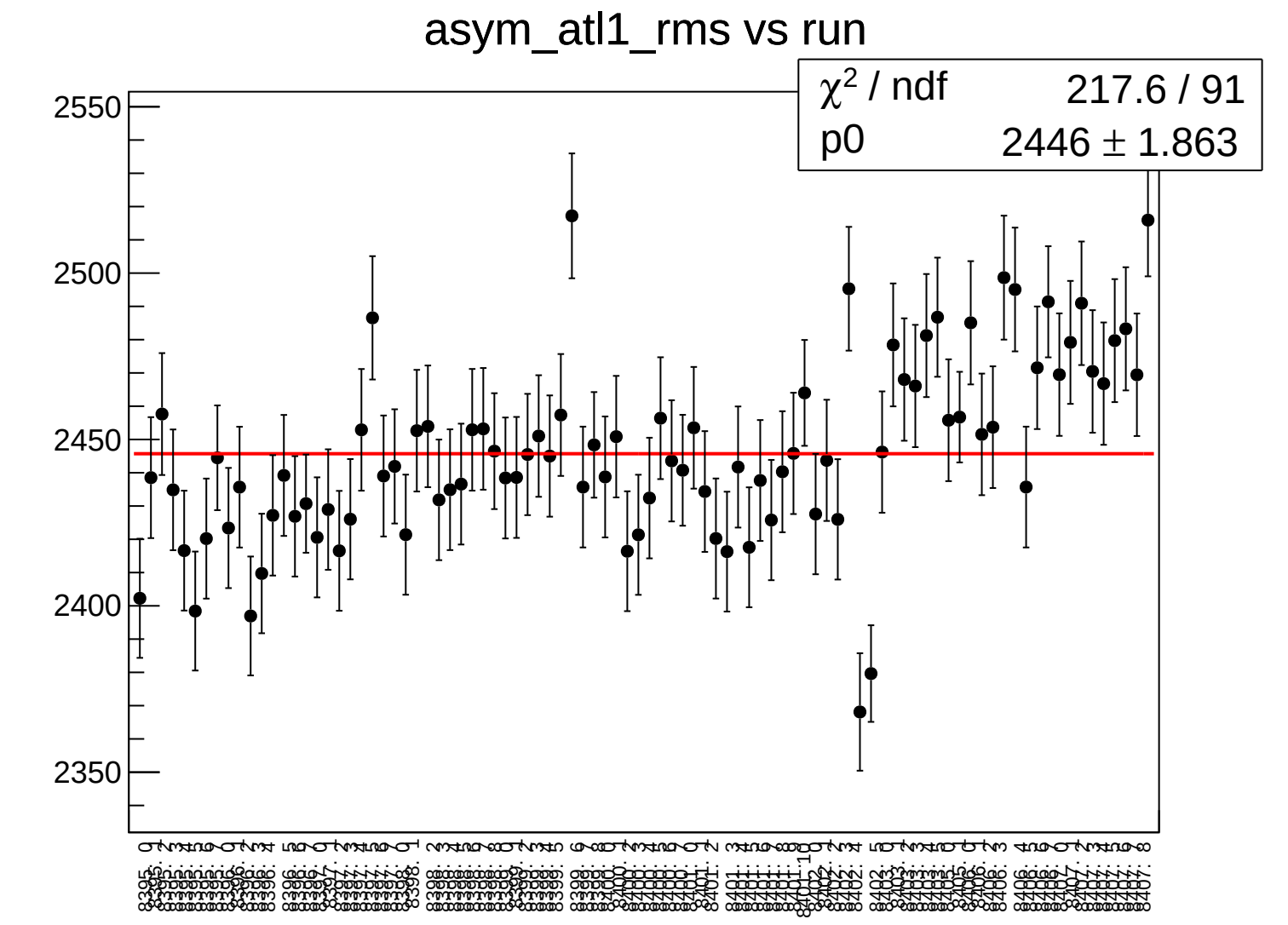

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 75.18 / 91
p0 744.6 ± 729.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 164.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

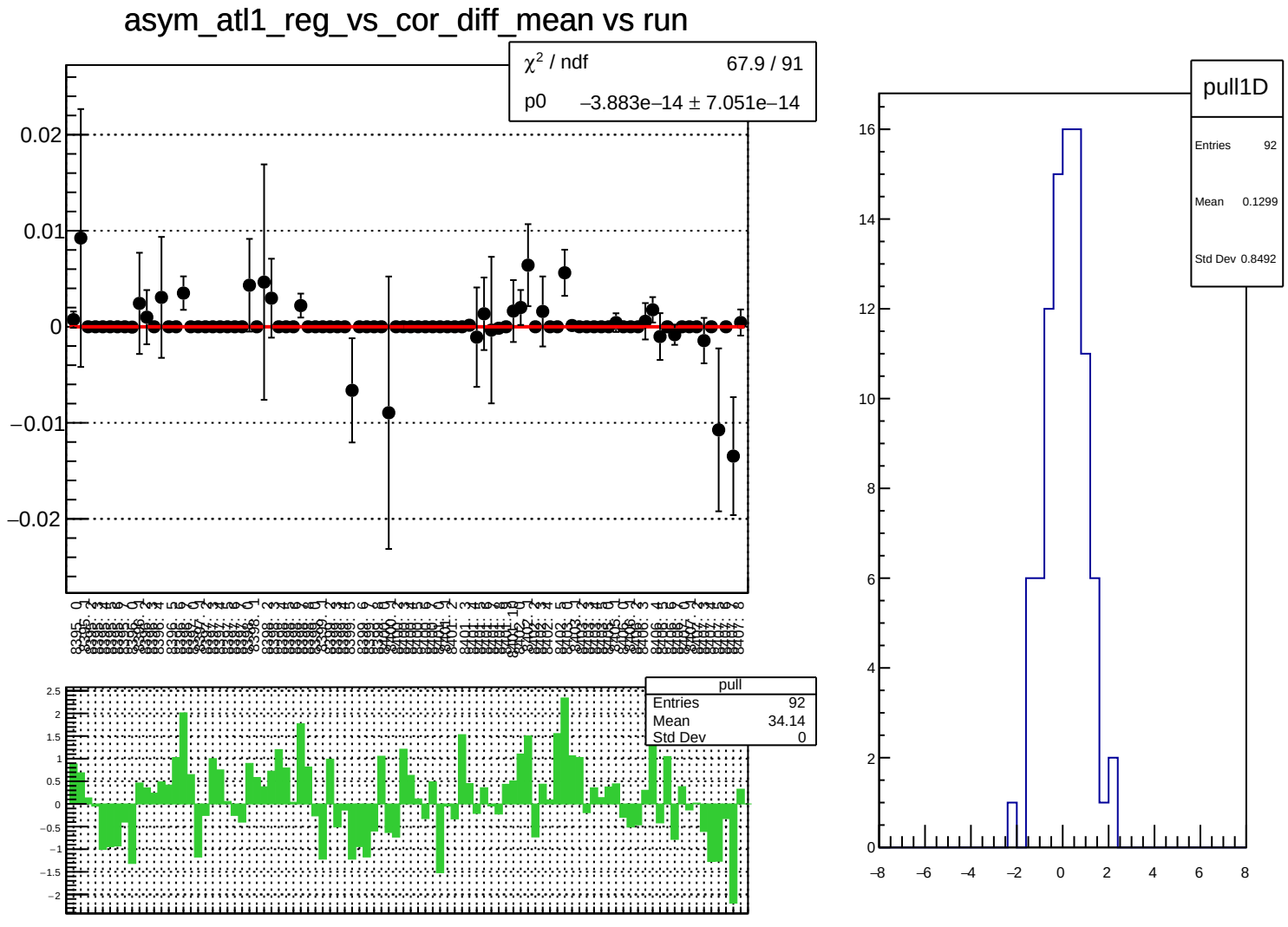

pull1D
Entries 92
Mean 0.0029
Std Dev 0.904
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

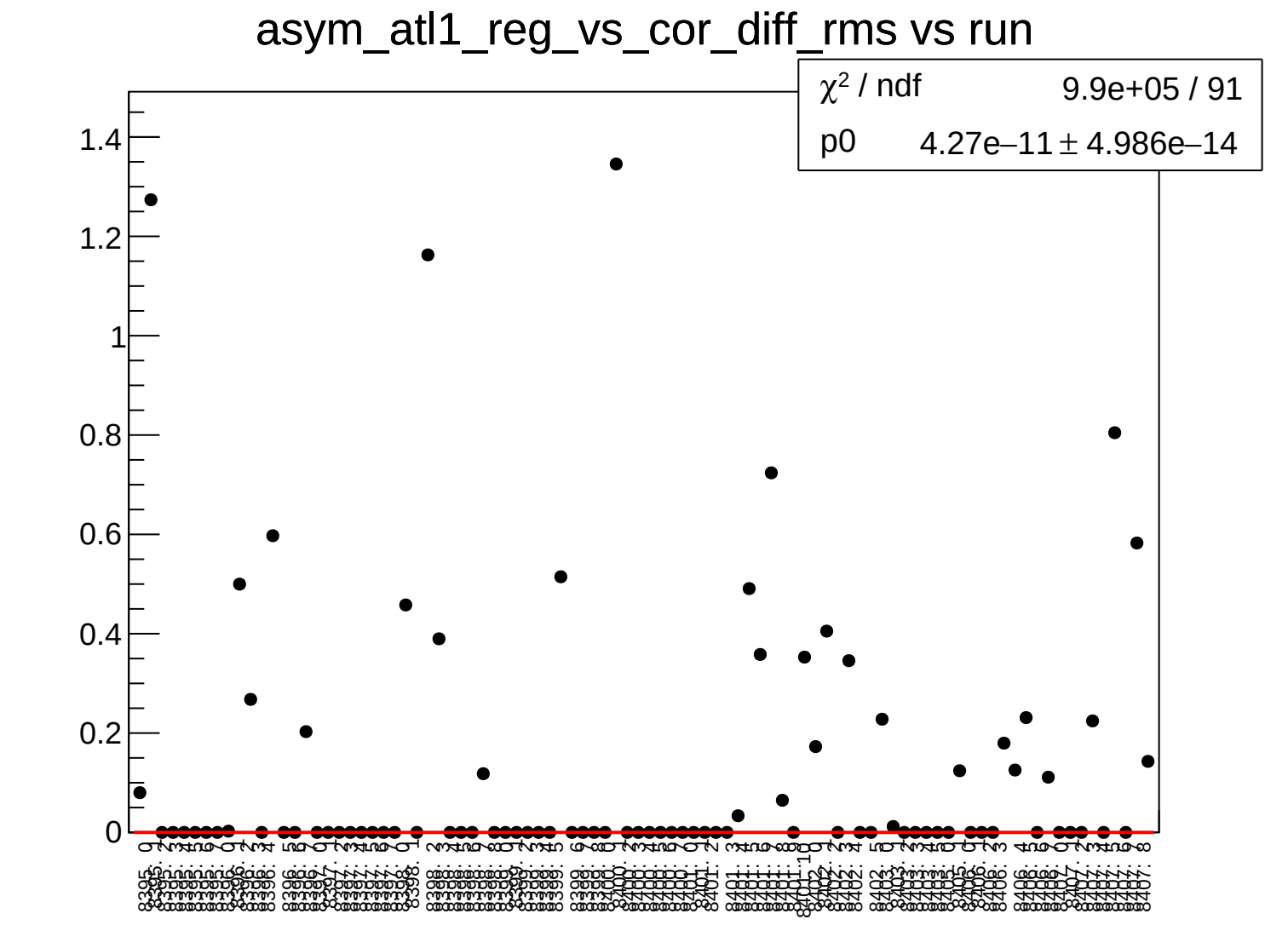

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 4961 / 91
p0 676.4 ± 0.5159
800
780
760
740
720
700
680
660
640
620

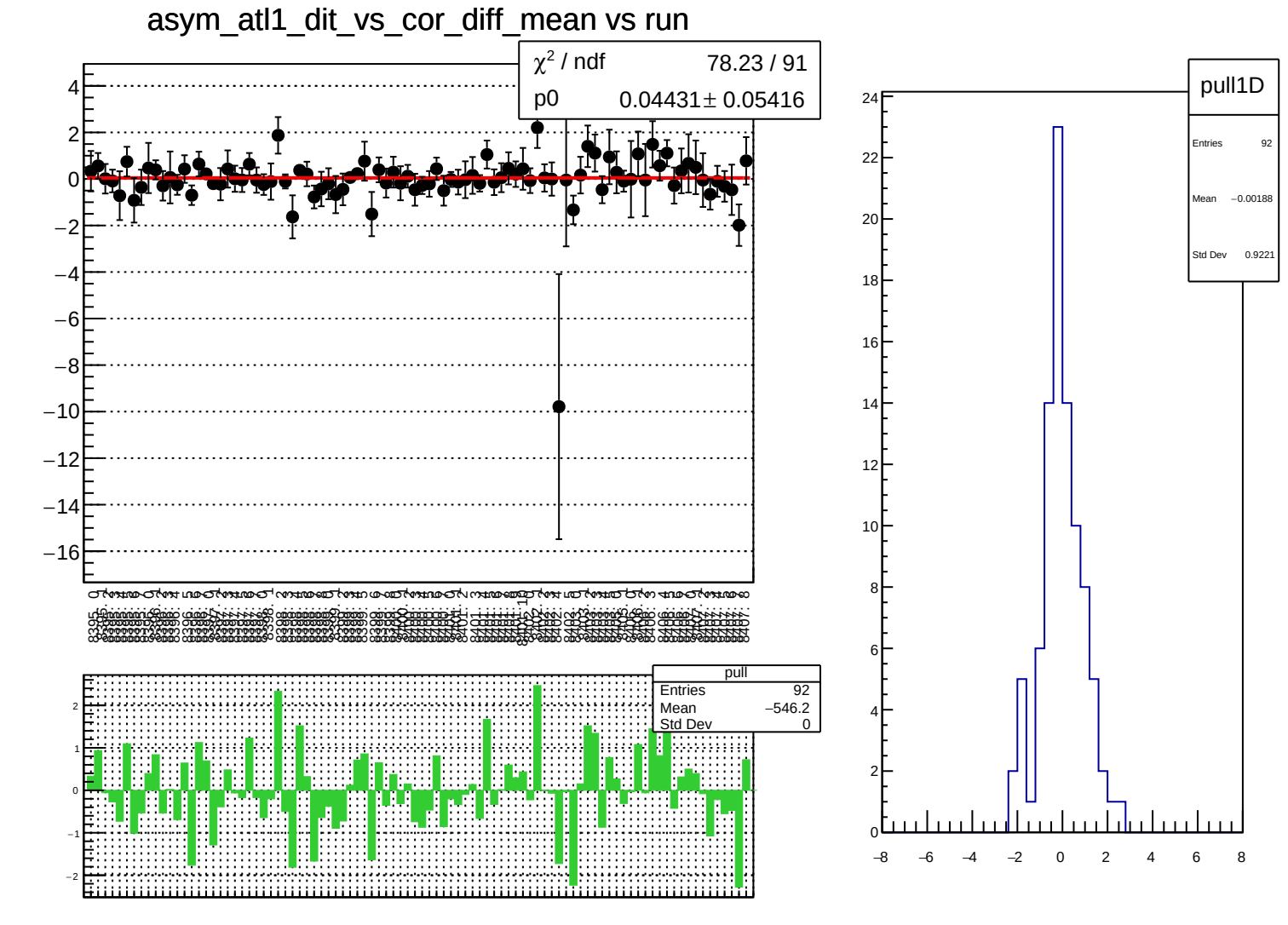

asym_atl1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 130.5 / 91
p0 −1653 ± 2635
pull
Entries 92
Mean −166.4
Std Dev 0
2
1
0
−1
−2
−3

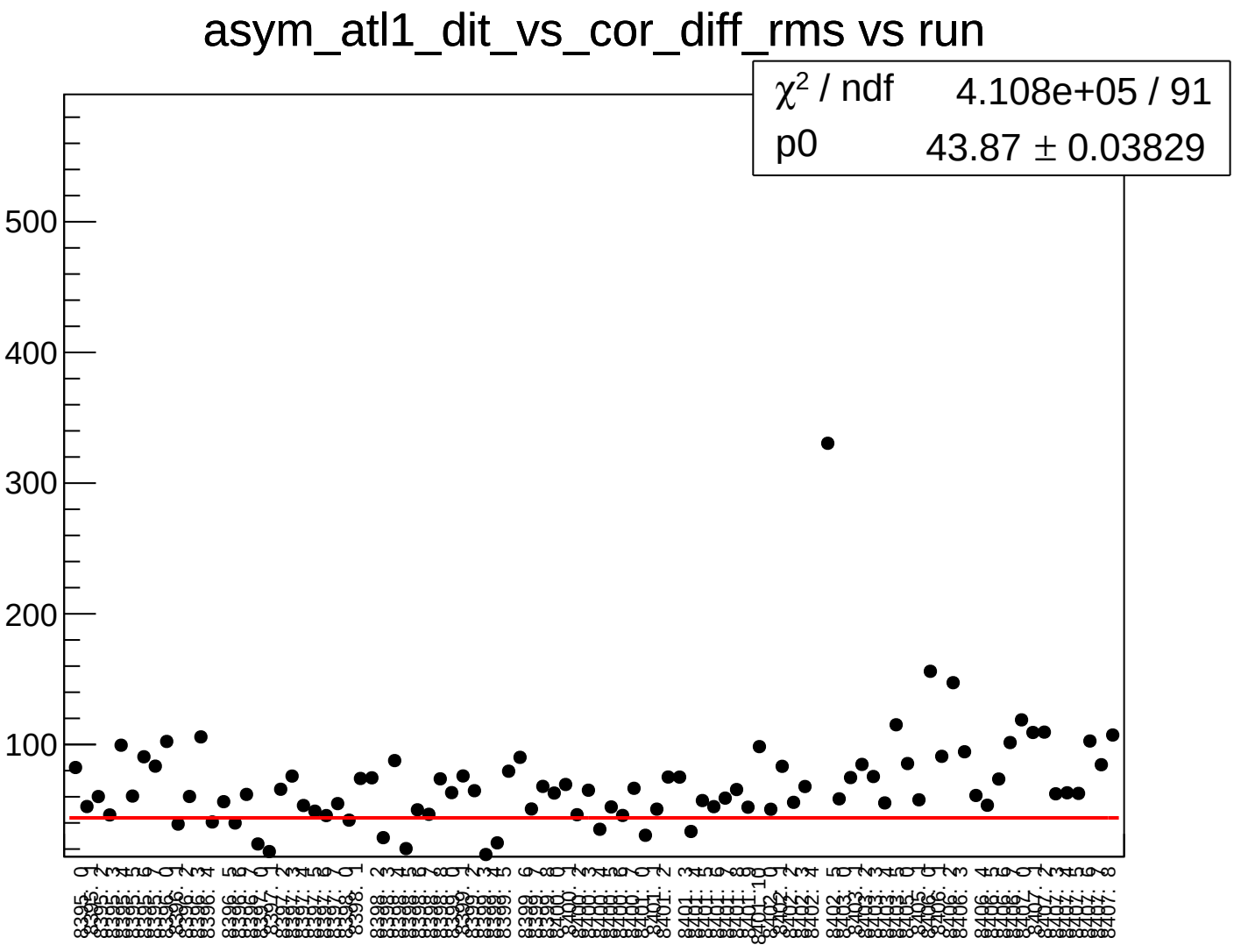

pull1D
Entries 92
Mean −0.01206
Std Dev 1.191
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

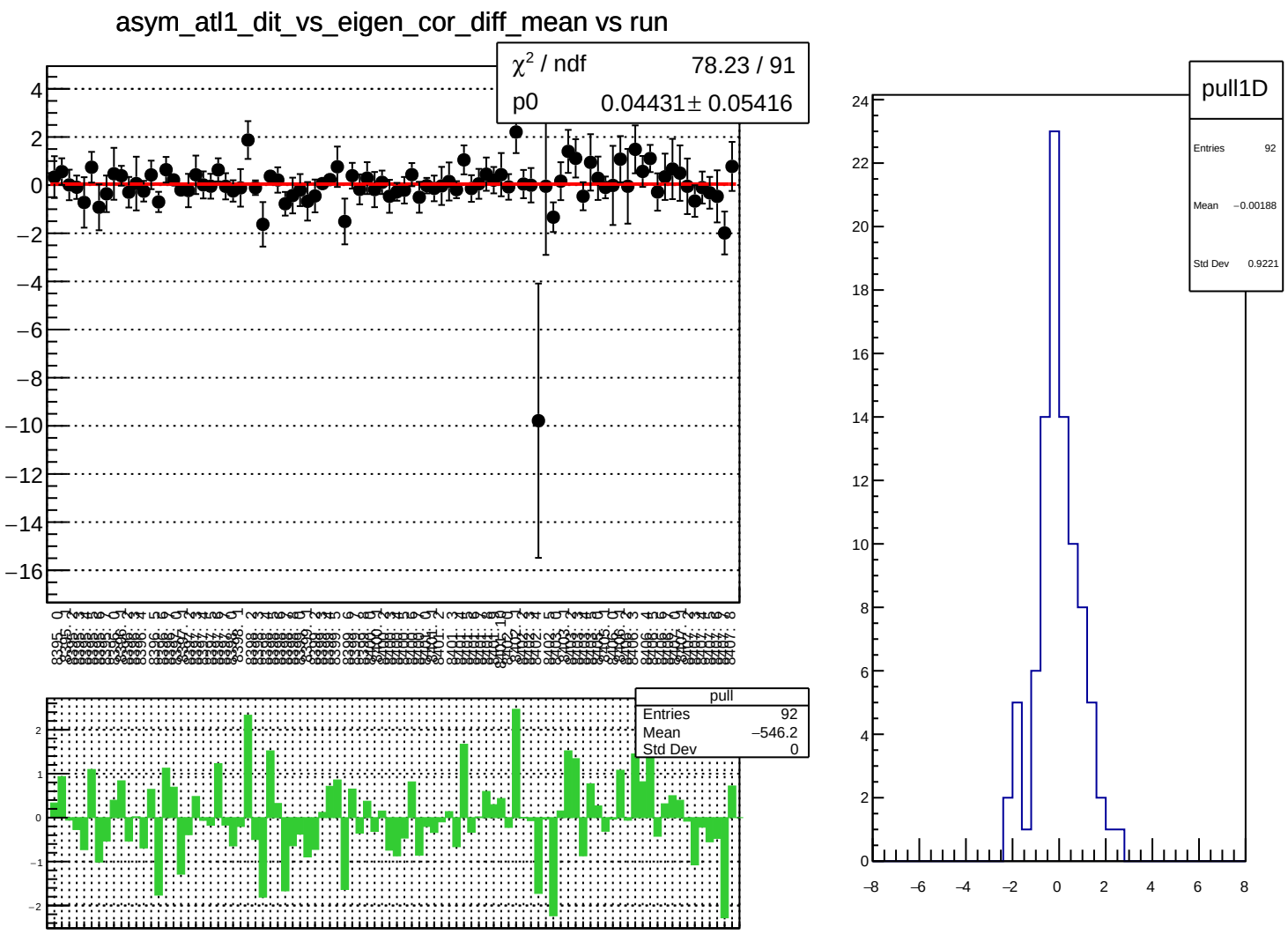

asym_atl1_rms vs run
$\chi^2$ / ndf 217.6 / 91
p0 2446 ± 1.863
2550
2500
2450
2400
2350

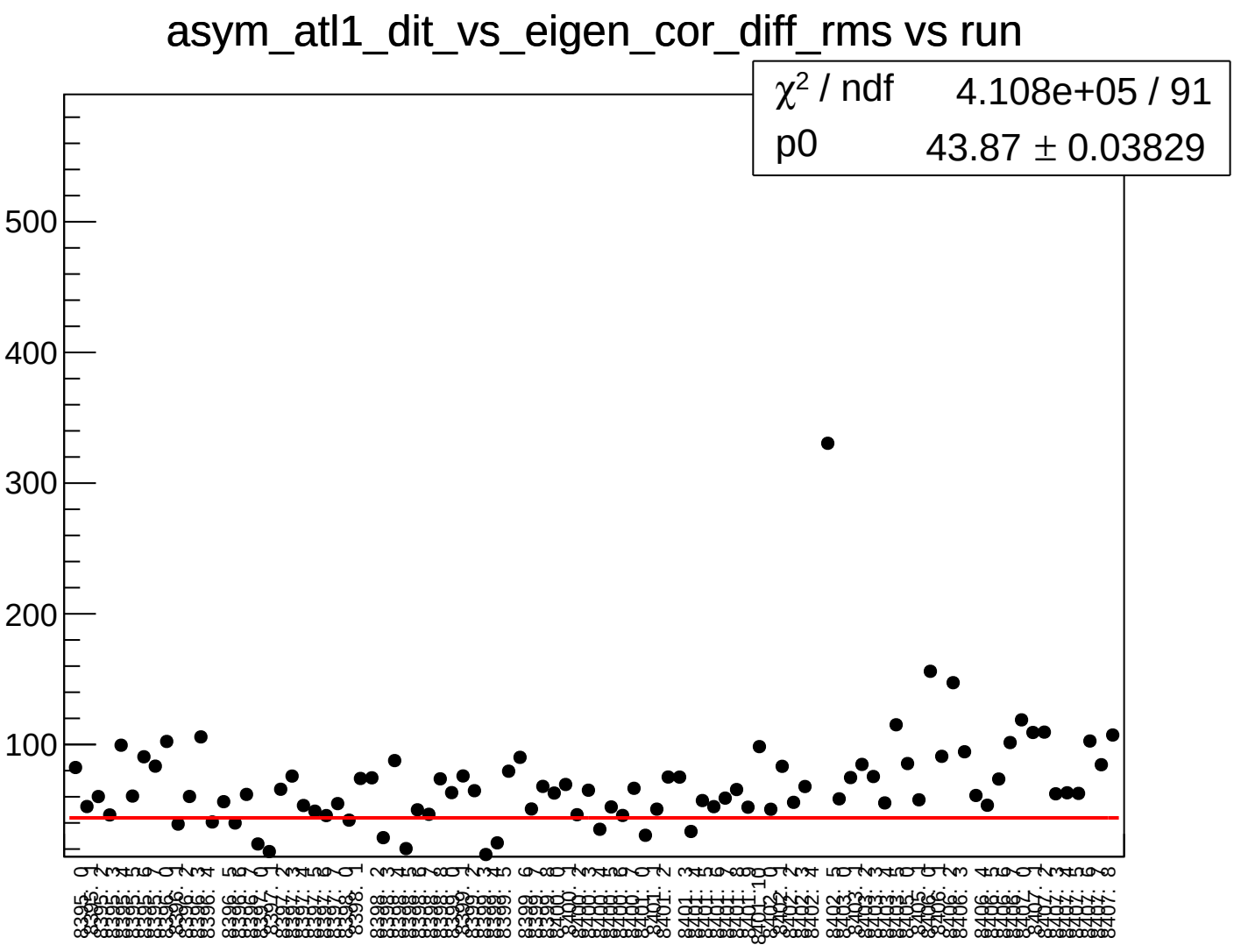

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 67.9 / 91
p0 −3.883e−14 ± 7.051e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean 34.14
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.1299
Std Dev 0.8492
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

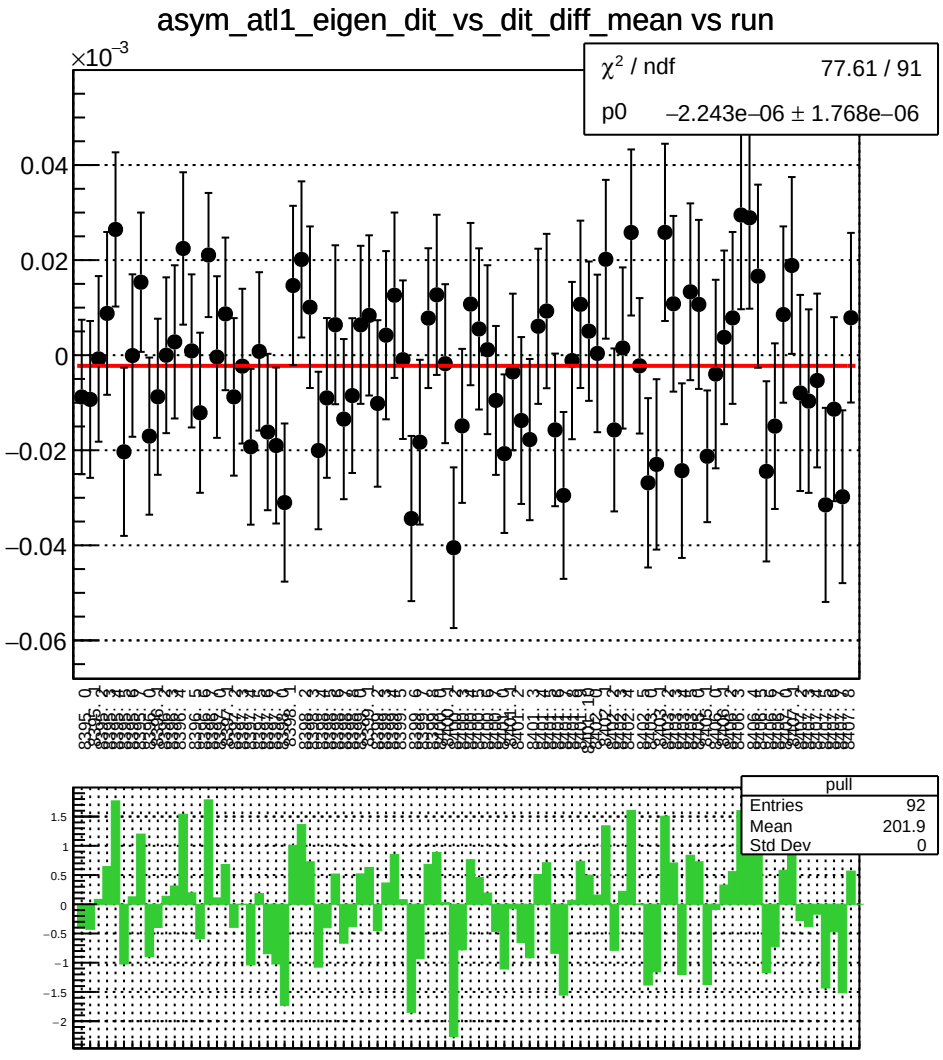

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.9e+05 / 91
p0 4.27e−11 ± 4.986e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

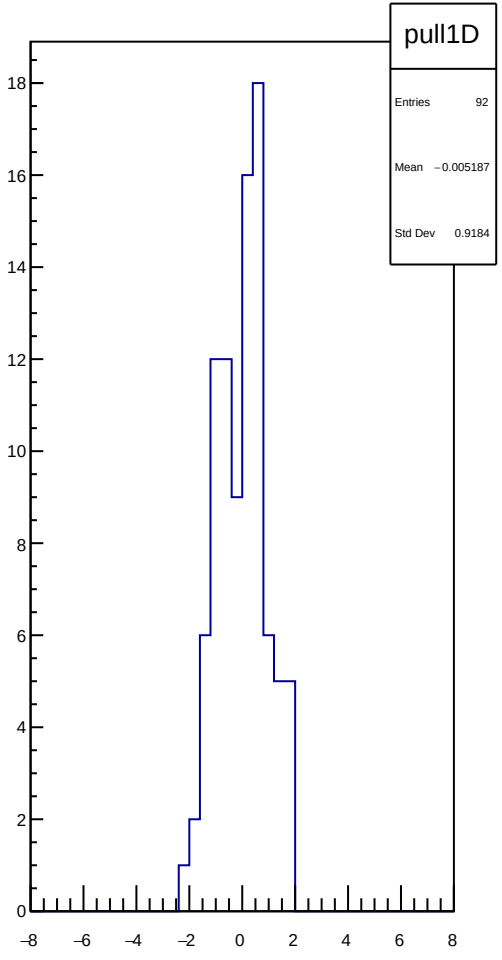

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 78.23 / 91
p0 0.04431 ± 0.05416
pull
Entries 92
Mean −546.2
Std Dev 0
pull1D
Entries 92
Mean −0.00188
Std Dev 0.9221

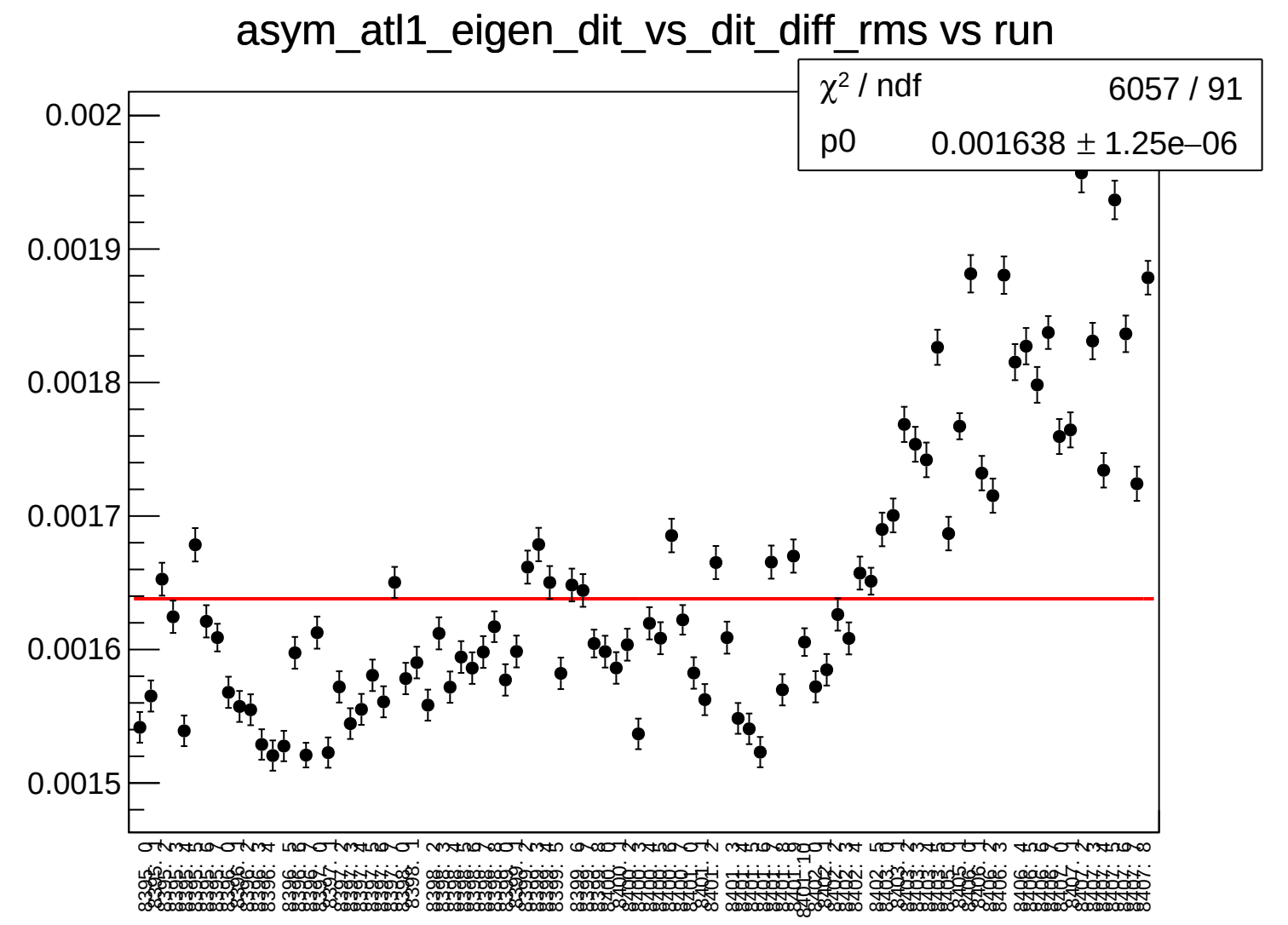

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 4.108e+05 / 91
p0 43.87 ± 0.03829
500
400
300
200
100

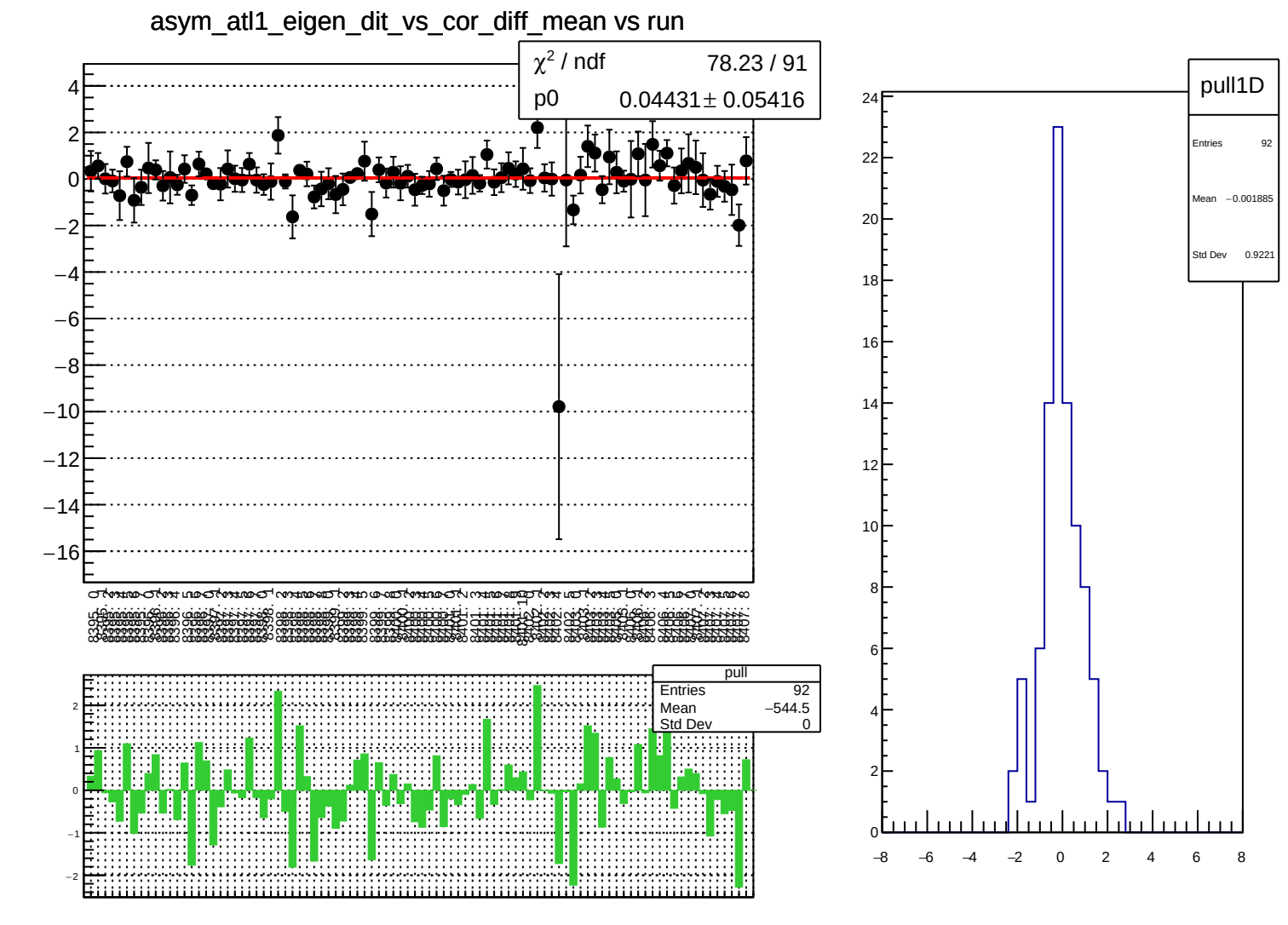

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.23 / 91
p0 0.04431 ± 0.05416
pull
Entries 92
Mean −546.2
Std Dev 0
pull1D
Entries 92
Mean −0.00188
Std Dev 0.9221

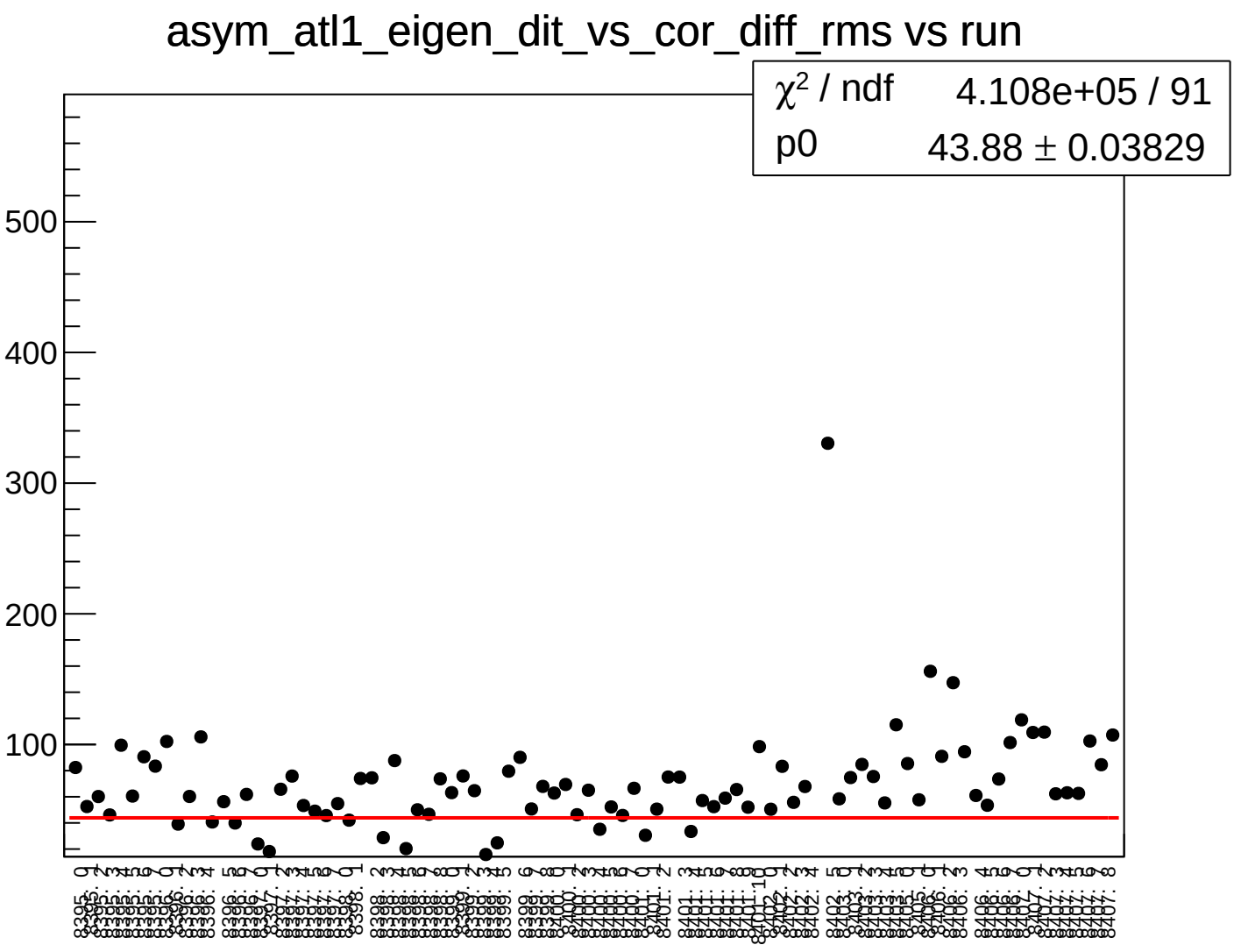

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.108e+05 / 91
p0 43.87 ± 0.03829
500
400
300
200
100

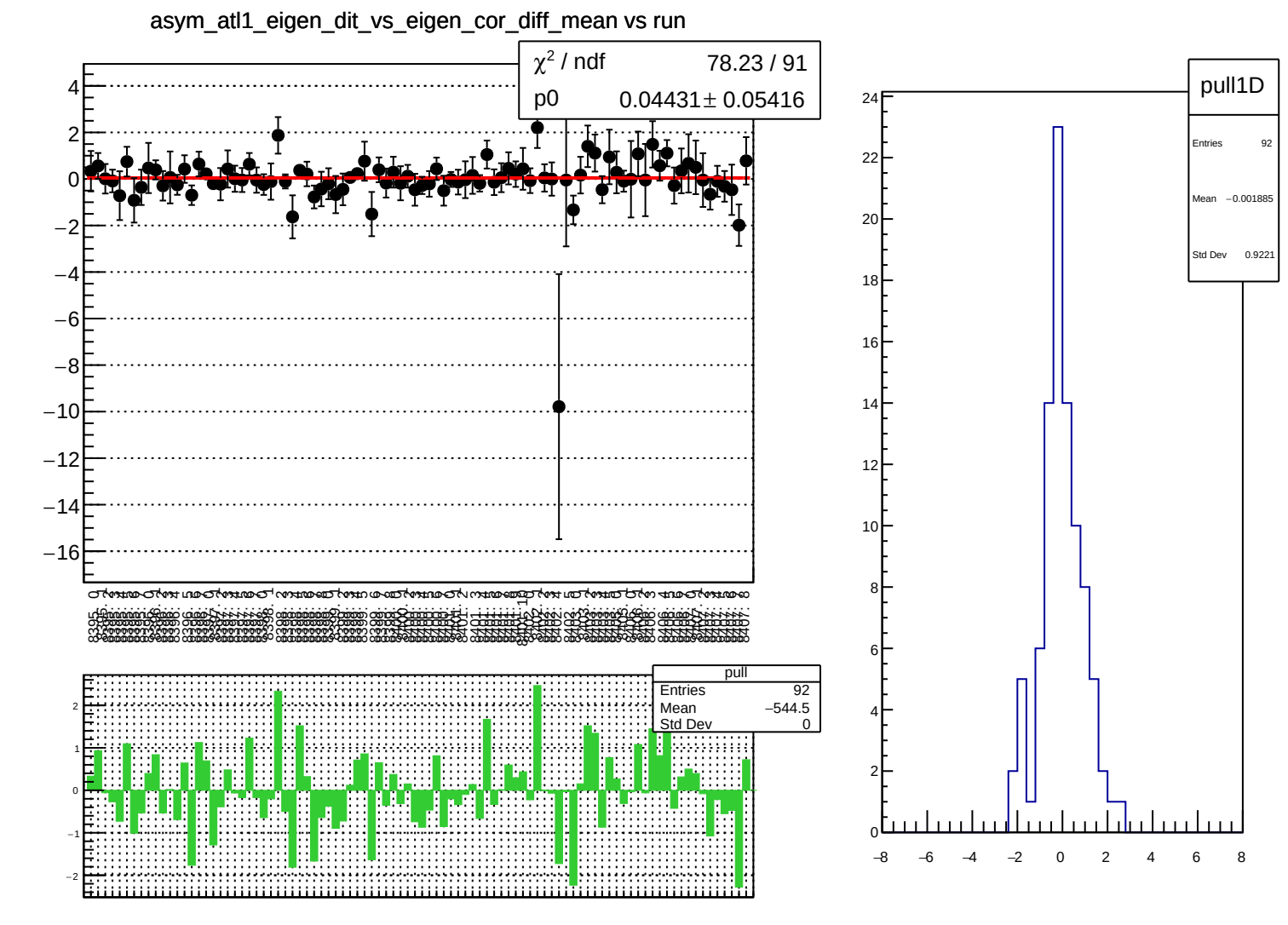

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.61 / 91
p0 −2.243e−06 ± 1.768e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 92
Mean 201.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

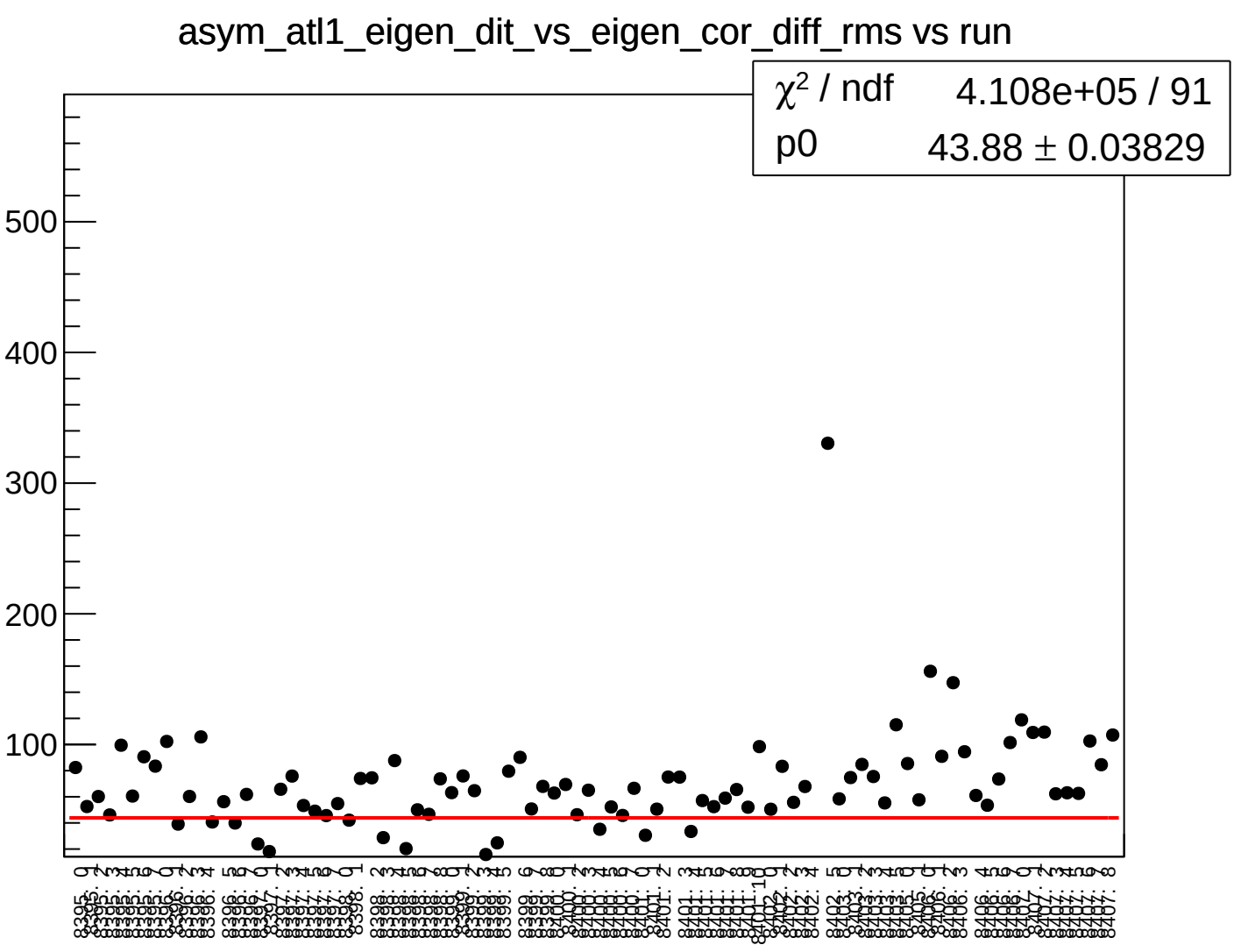

pull1D
Entries 92
Mean −0.005187
Std Dev 0.9184
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

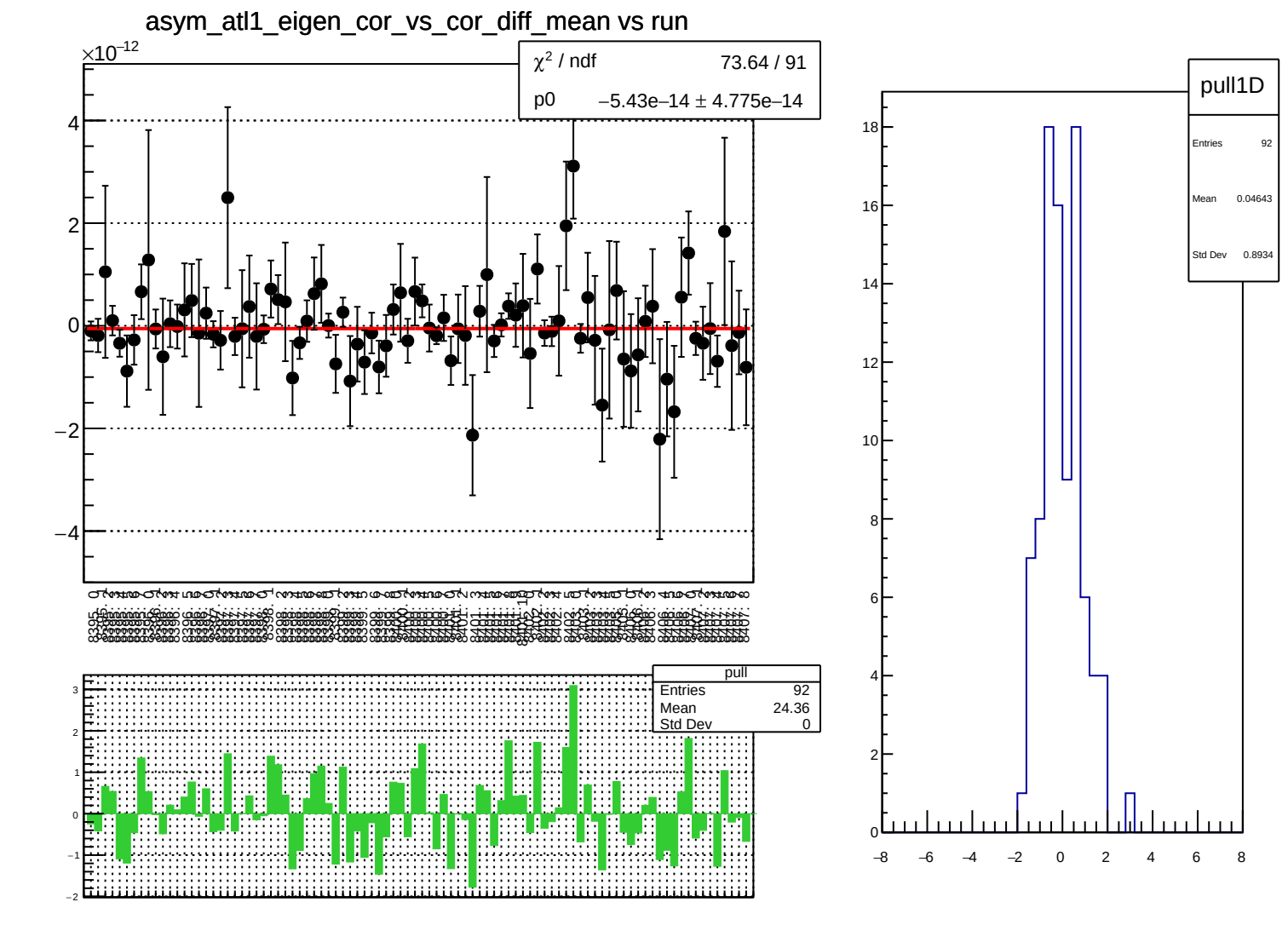

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6057 / 91
p0 0.001638 ± 1.25e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

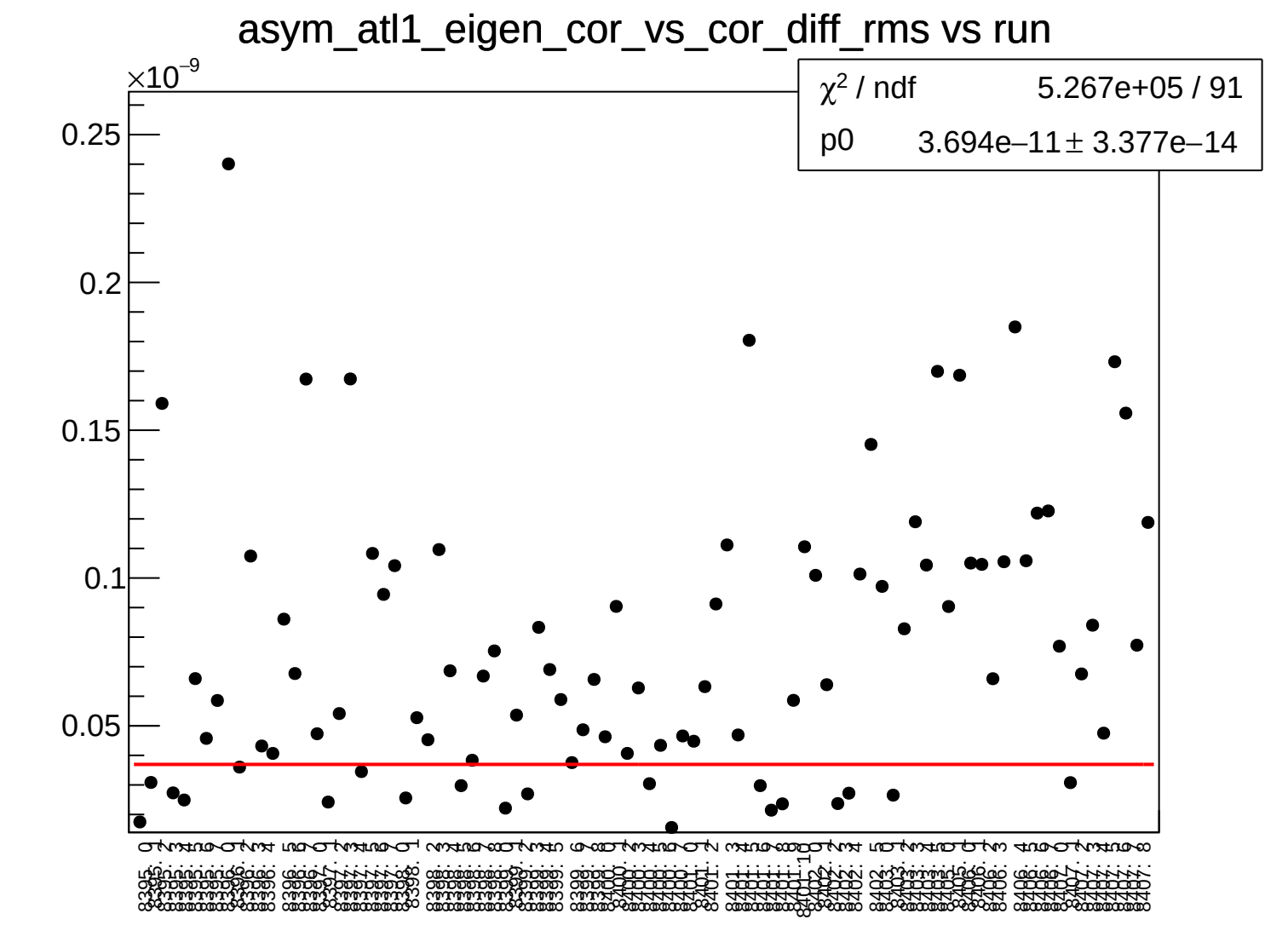

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.23 / 91
p0 0.04431 ± 0.05416
pull
Entries 92
Mean −544.5
Std Dev 0
pull1D
Entries 92
Mean −0.001885
Std Dev 0.9221

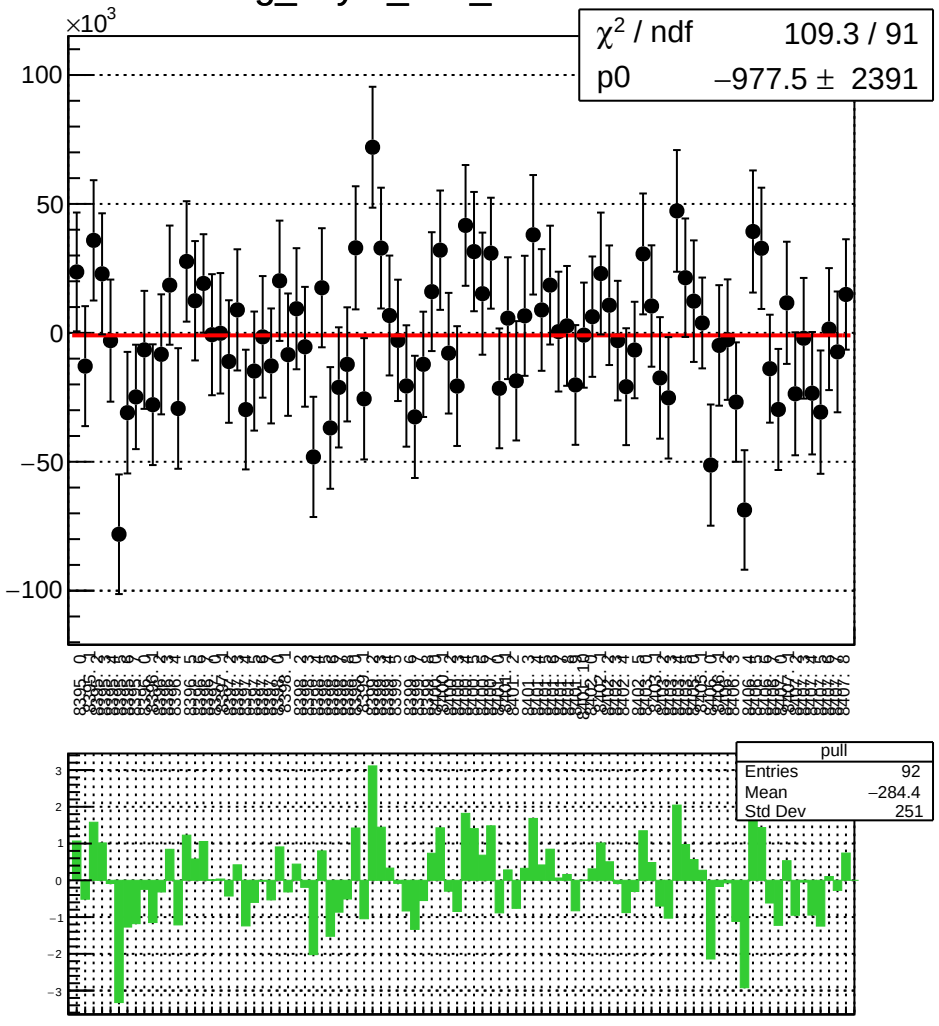

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.108e+05 / 91
p0 43.88 ± 0.03829
500
400
300
200
100

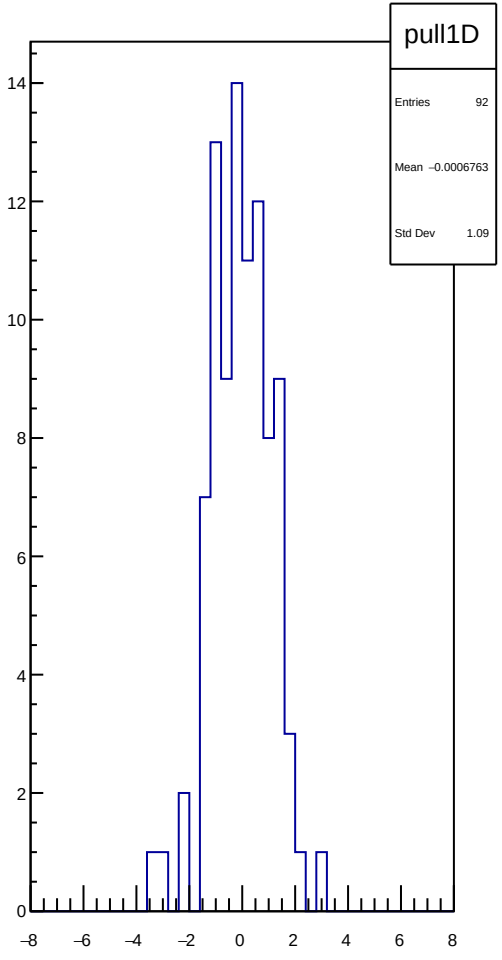

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.23 / 91
p0 0.04431 ± 0.05416
pull
Entries 92
Mean −544.5
Std Dev 0
pull1D
Entries 92
Mean −0.001885
Std Dev 0.9221

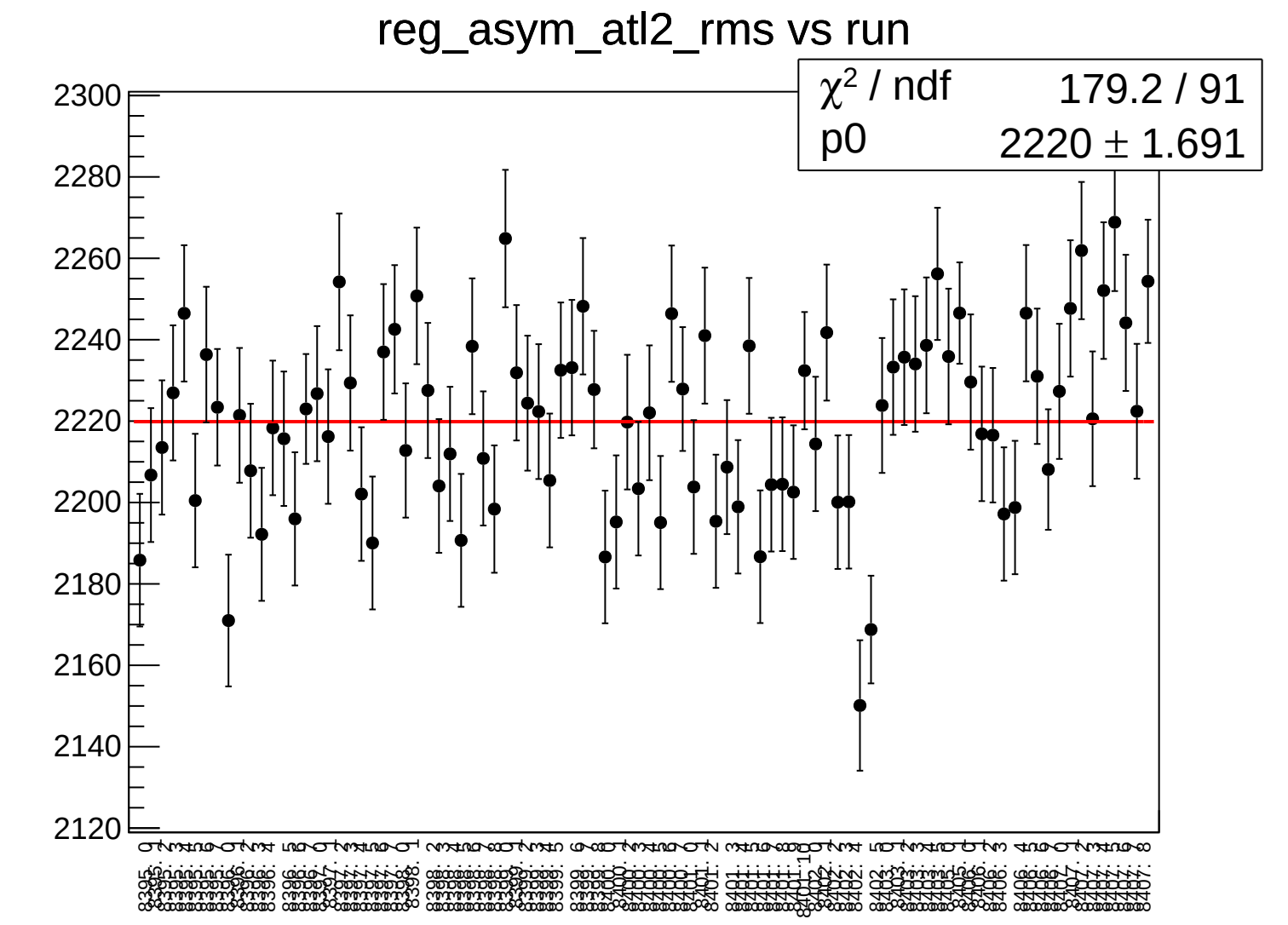

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.108e+05 / 91
p0 43.88 ± 0.03829
500
400
300
200
100

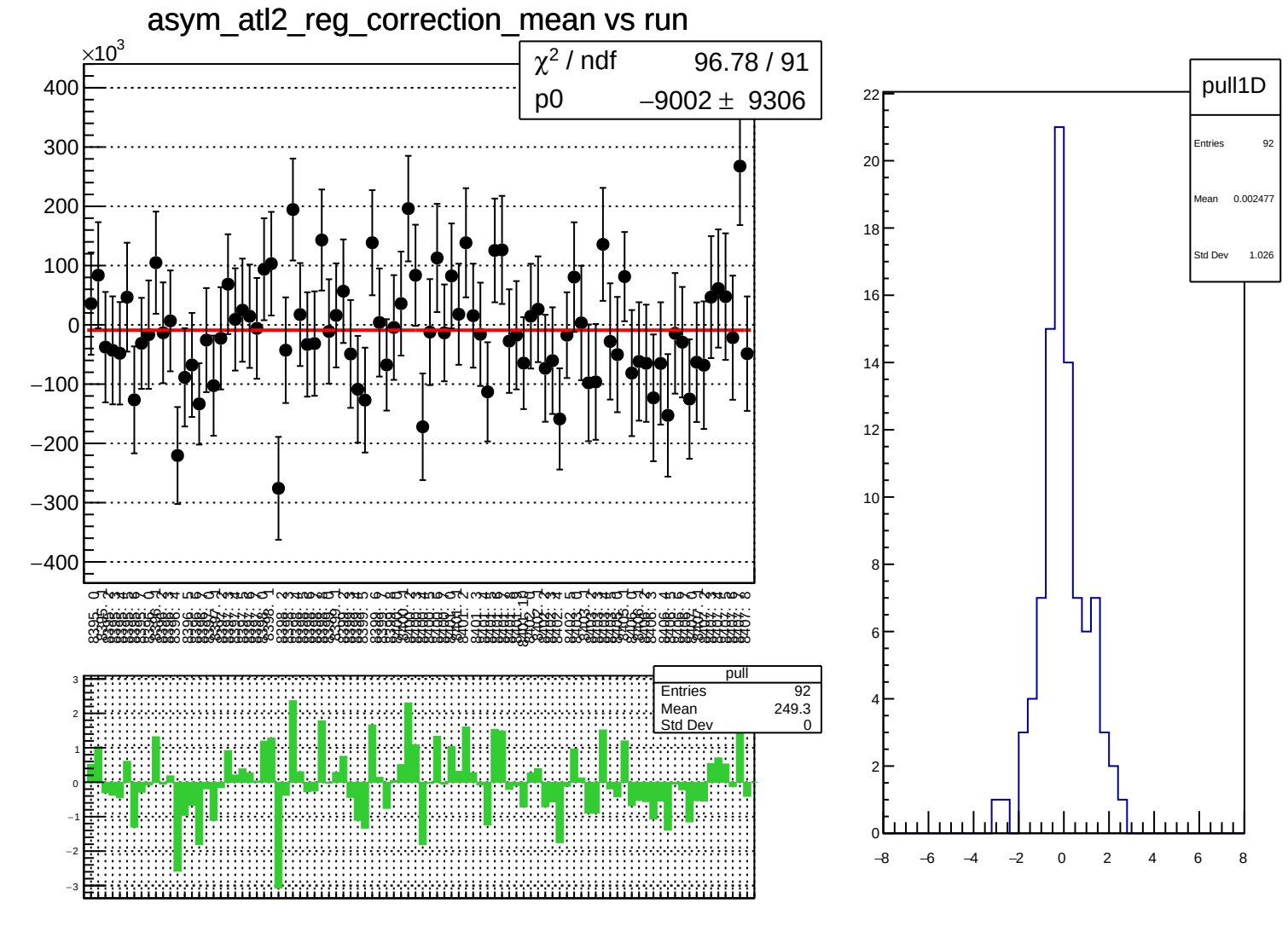

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.64 / 91
p0 −5.43e−14 ± 4.775e−14
pull
Entries 92
Mean 24.36
Std Dev 0
pull1D
Entries 92
Mean 0.04643
Std Dev 0.8934

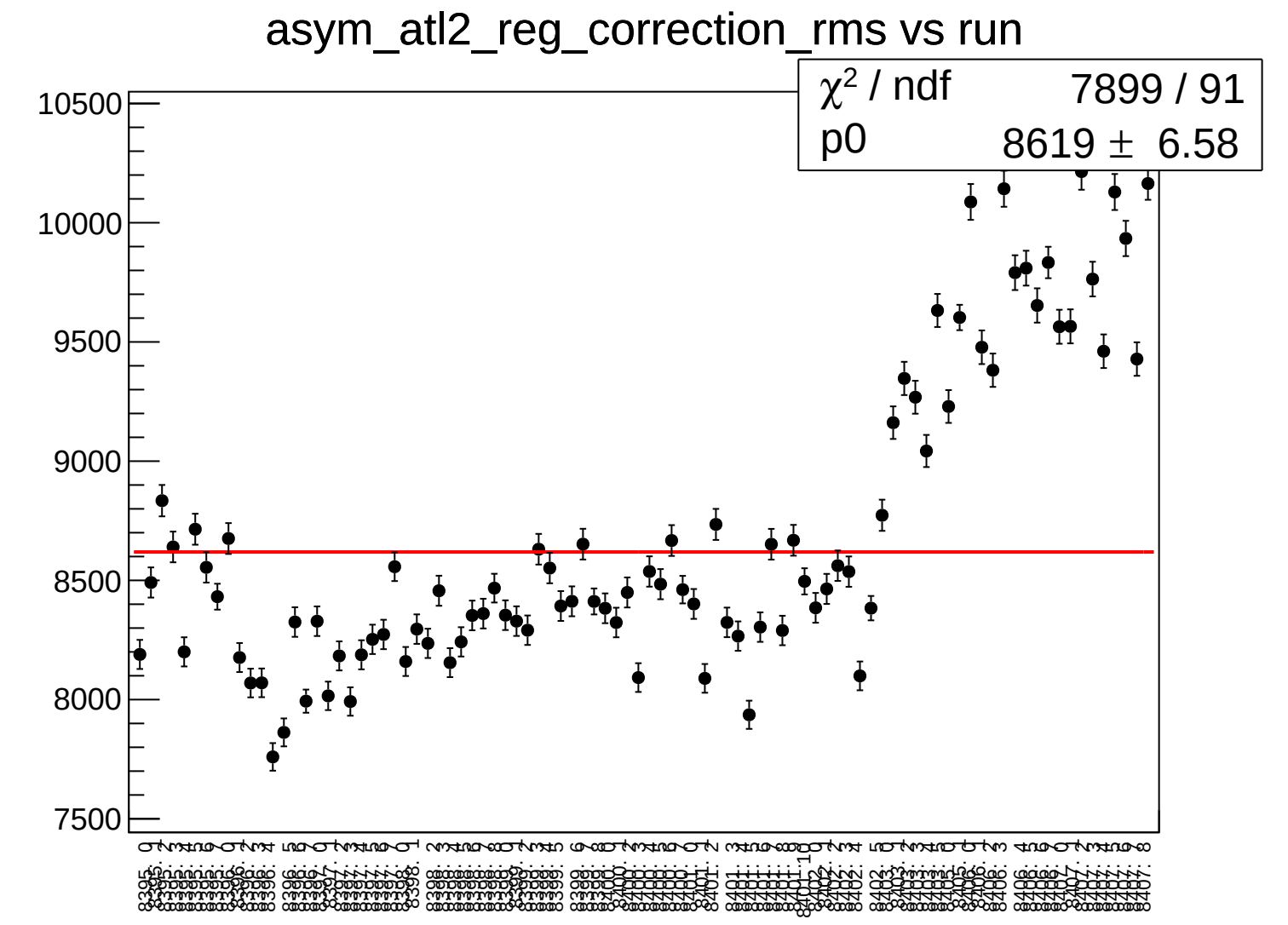

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.267e+05 / 91
p0 3.694e−11 ± 3.377e−14
0.25
0.2
0.15
0.1
0.05

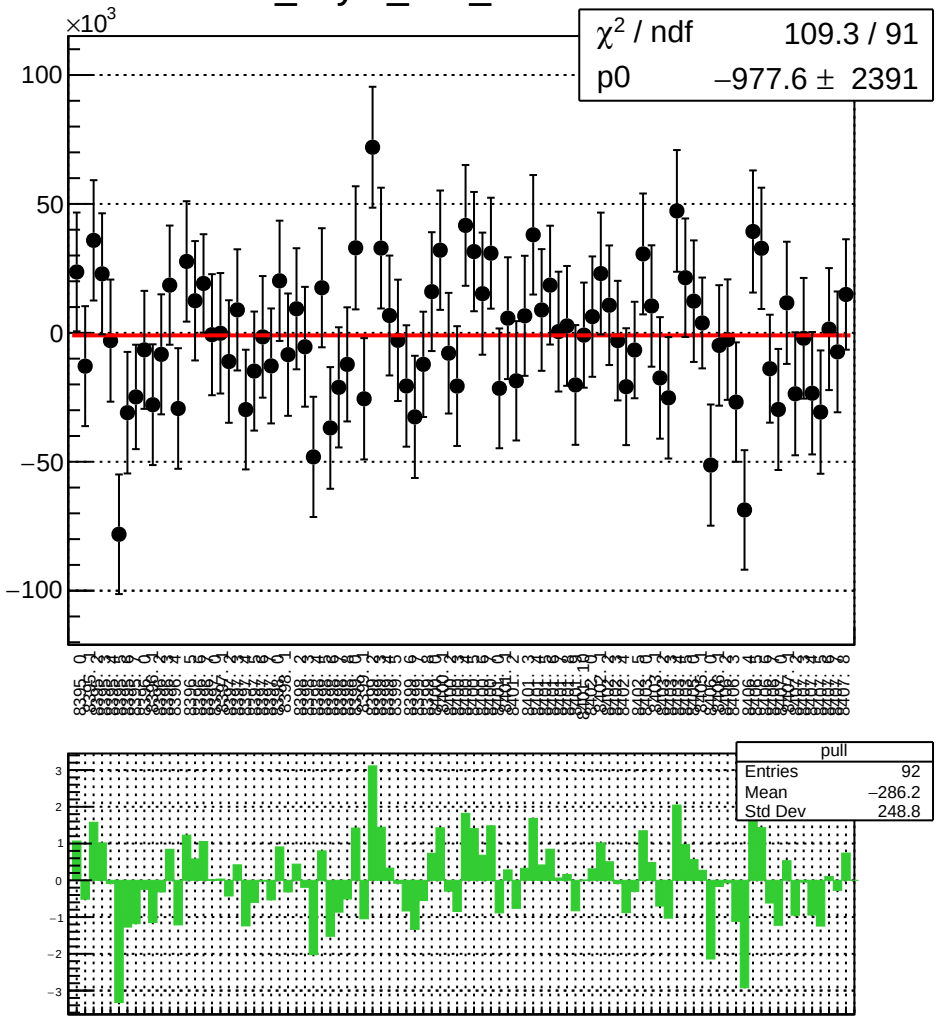

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 109.3 / 91
p0 −977.5 ± 2391
100
50
0
−50
−100
pull
Entries 92
Mean −284.4
Std Dev 251
3
2
1
0
−1
−2
−3

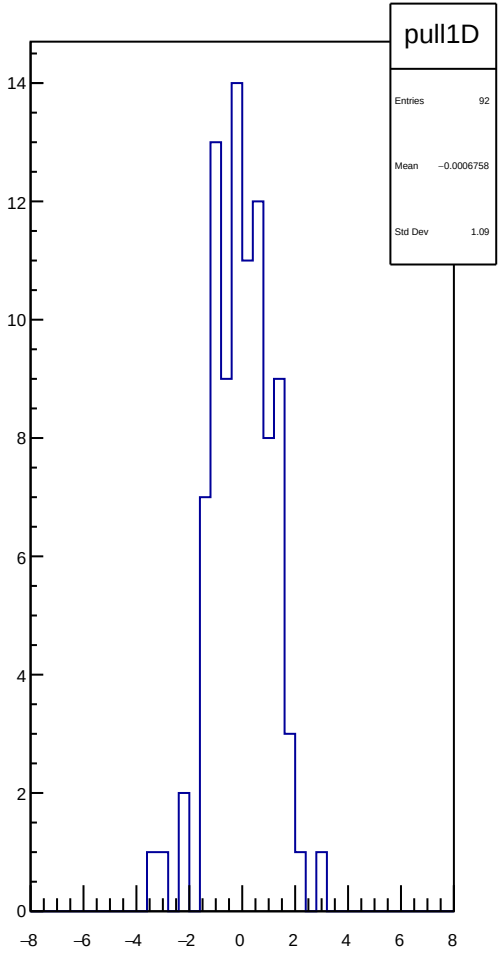

pull1D
Entries 92
Mean −0.0006763
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

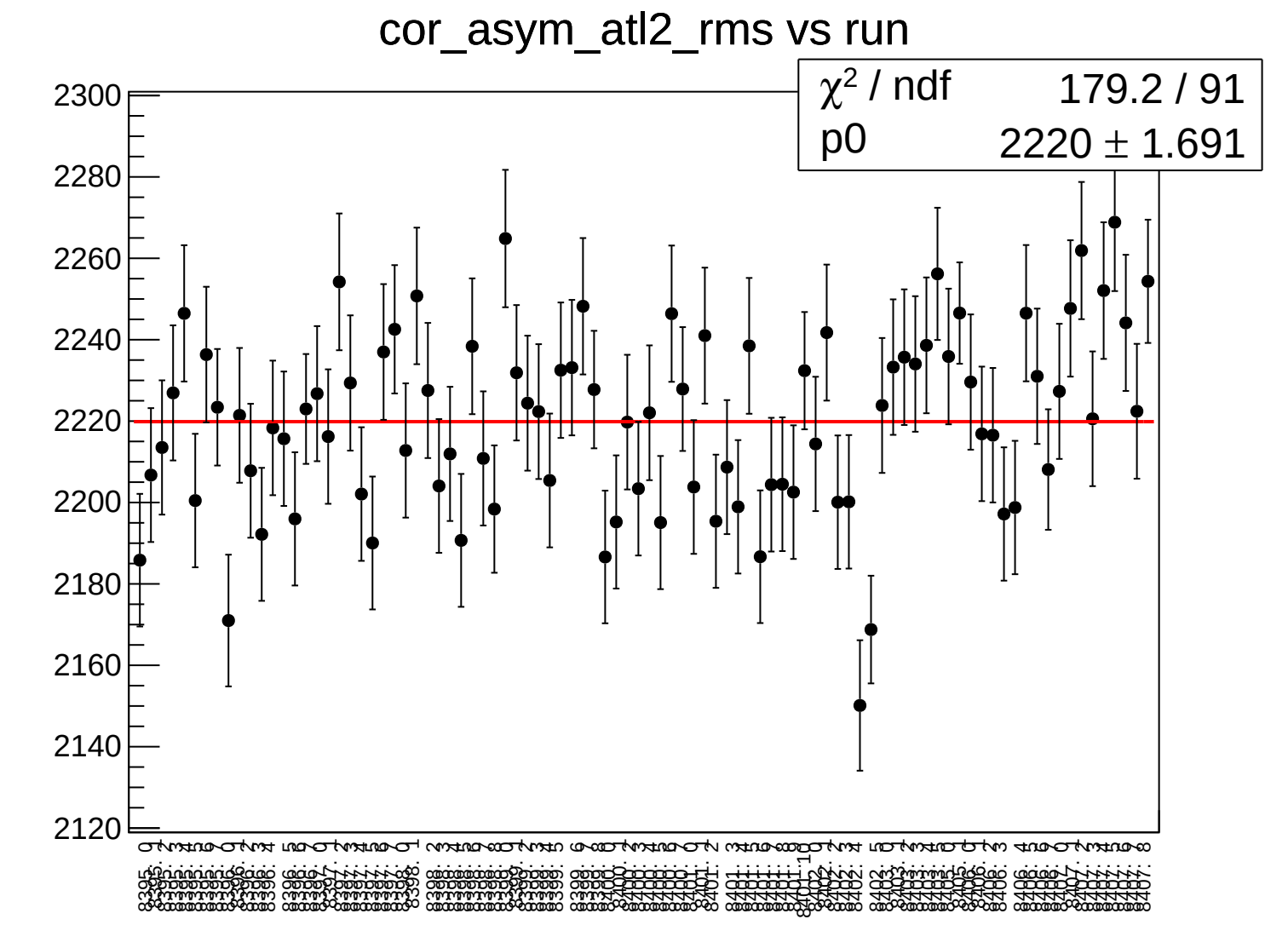

reg_asym_atl2_rms vs run
χ² / ndf 179.2 / 91
p0 2220 ± 1.691
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

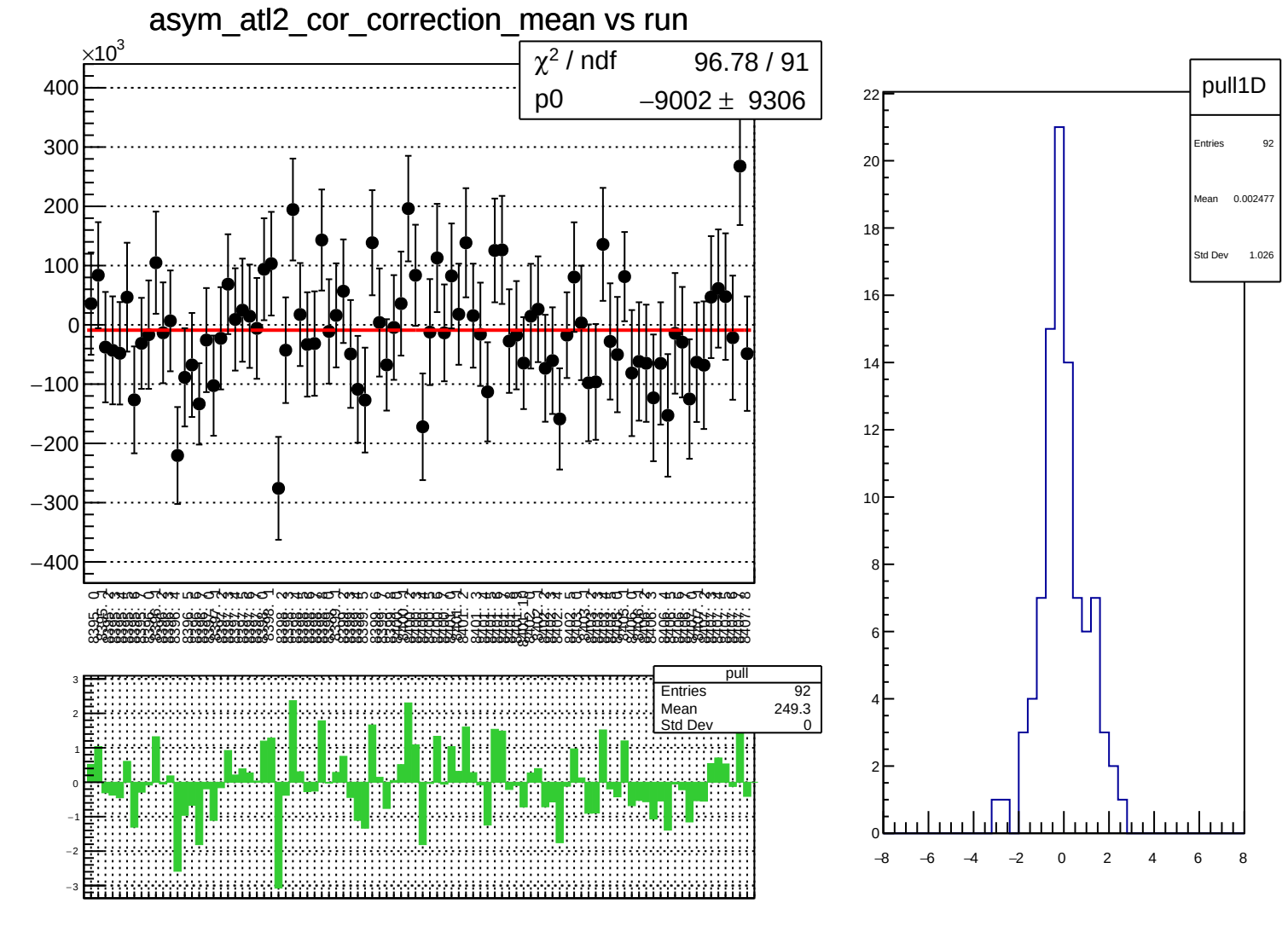

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 96.78 / 91
p0 −9002 ± 9306
pull
Entries 92
Mean 249.3
Std Dev 0
pull1D
Entries 92
Mean 0.002477
Std Dev 1.026

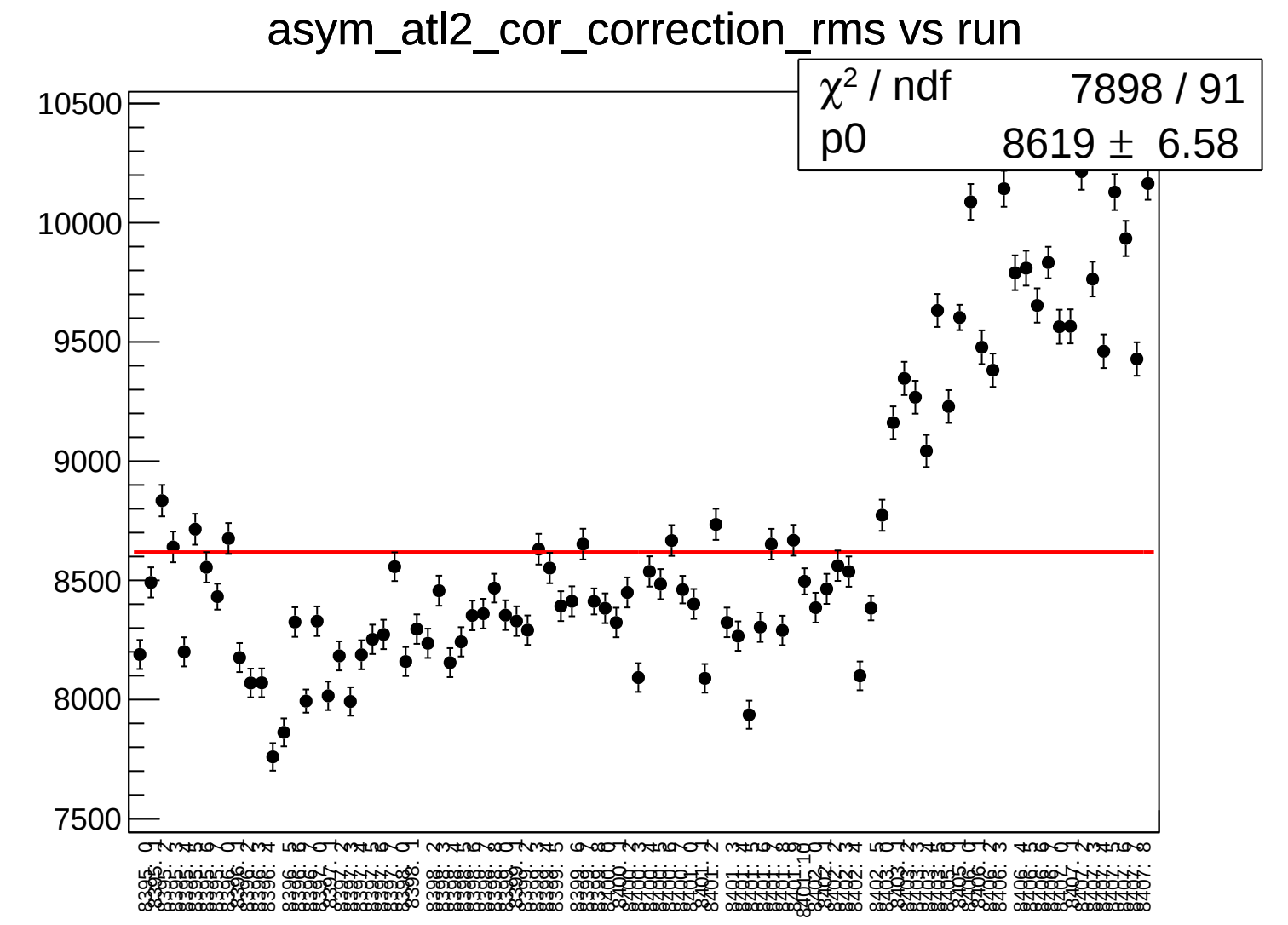

asym_atl2_reg_correction_rms vs run
χ² / ndf 7899 / 91
p0 8619 ± 6.58
10500
10000
9500
9000
8500
8000
7500

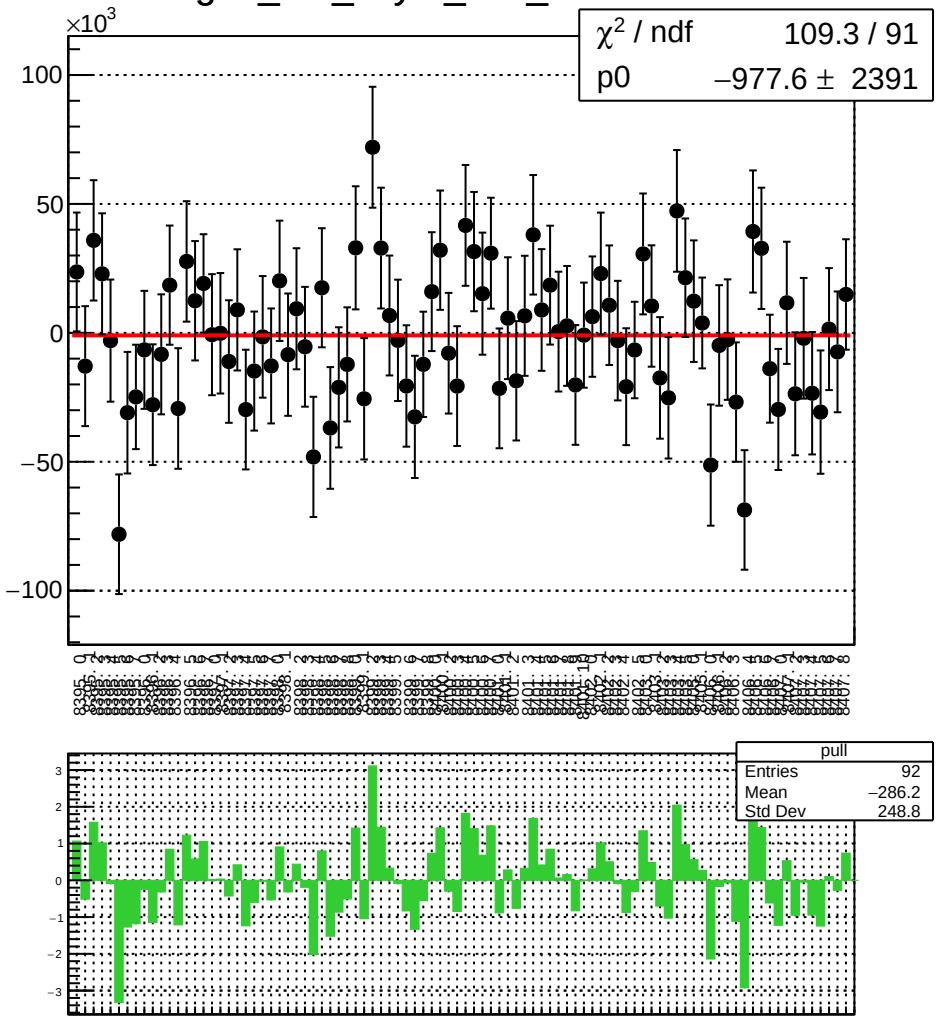

cor_asym_atl2_mean vs run
×10^3
χ^2 / ndf 109.3 / 91
p0 −977.6 ± 2391
100
50
0
−50
−100
pull
Entries 92
Mean −286.2
Std Dev 248.8
3
2
1
0
−1
−2
−3

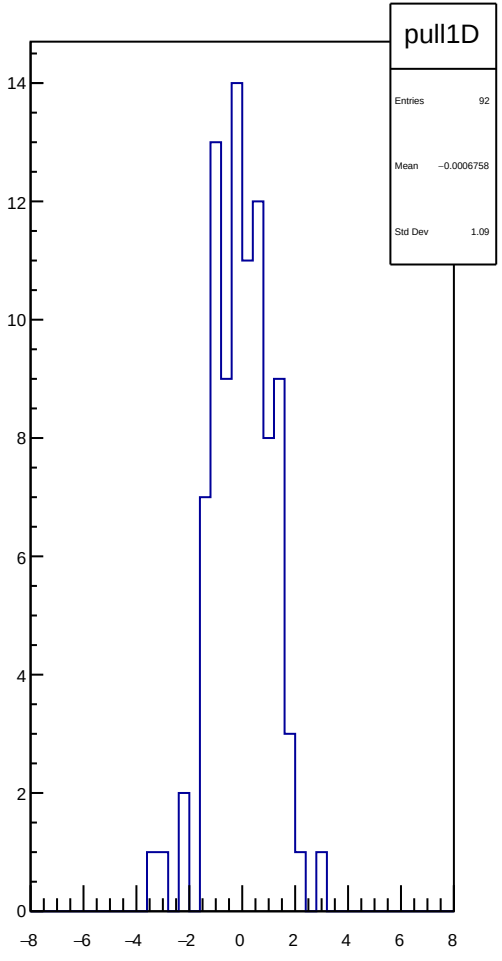

pull1D
Entries 92
Mean −0.0006758
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

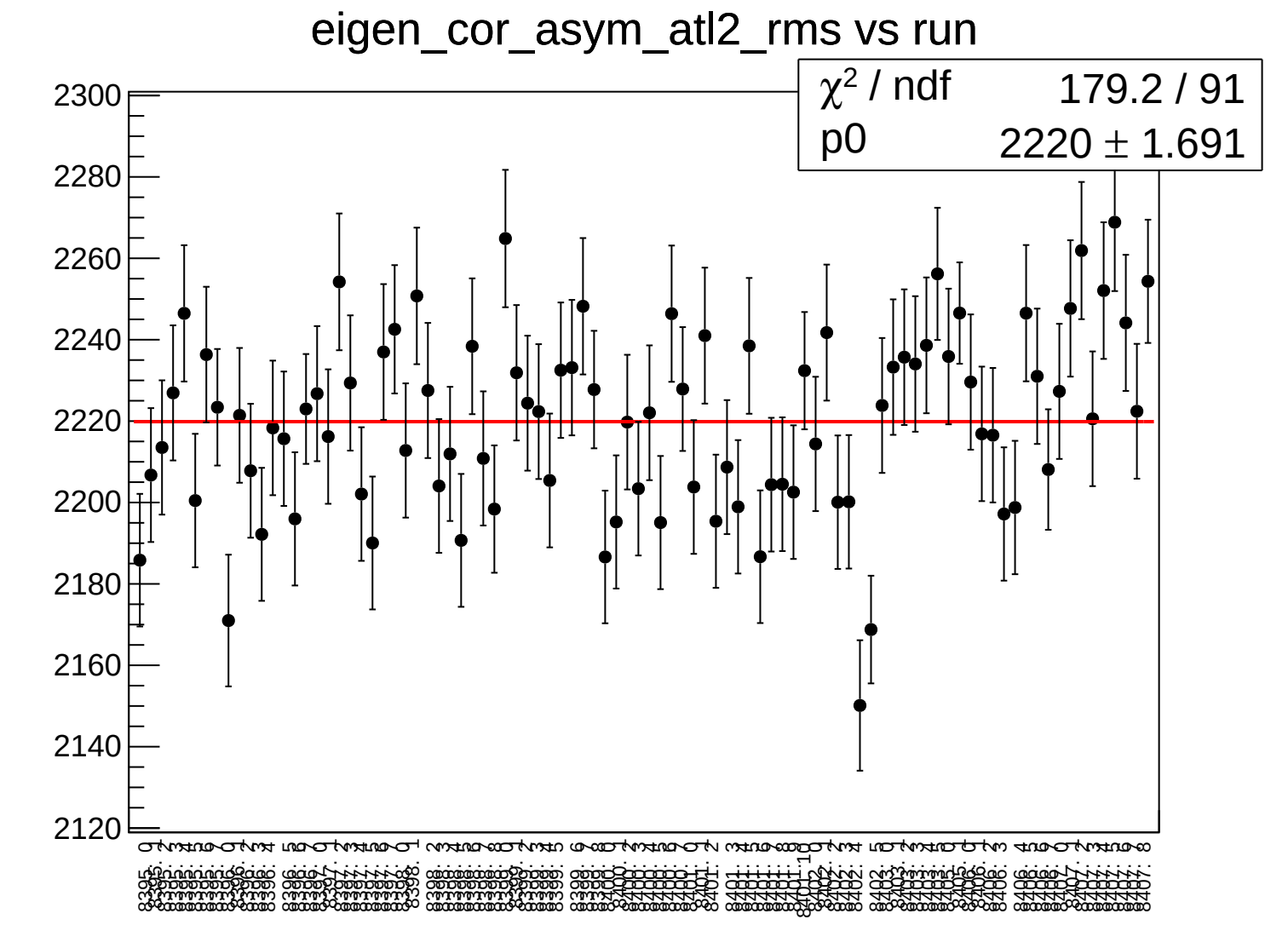

cor_asym_atl2_rms vs run
χ² / ndf 179.2 / 91
p0 2220 ± 1.691
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

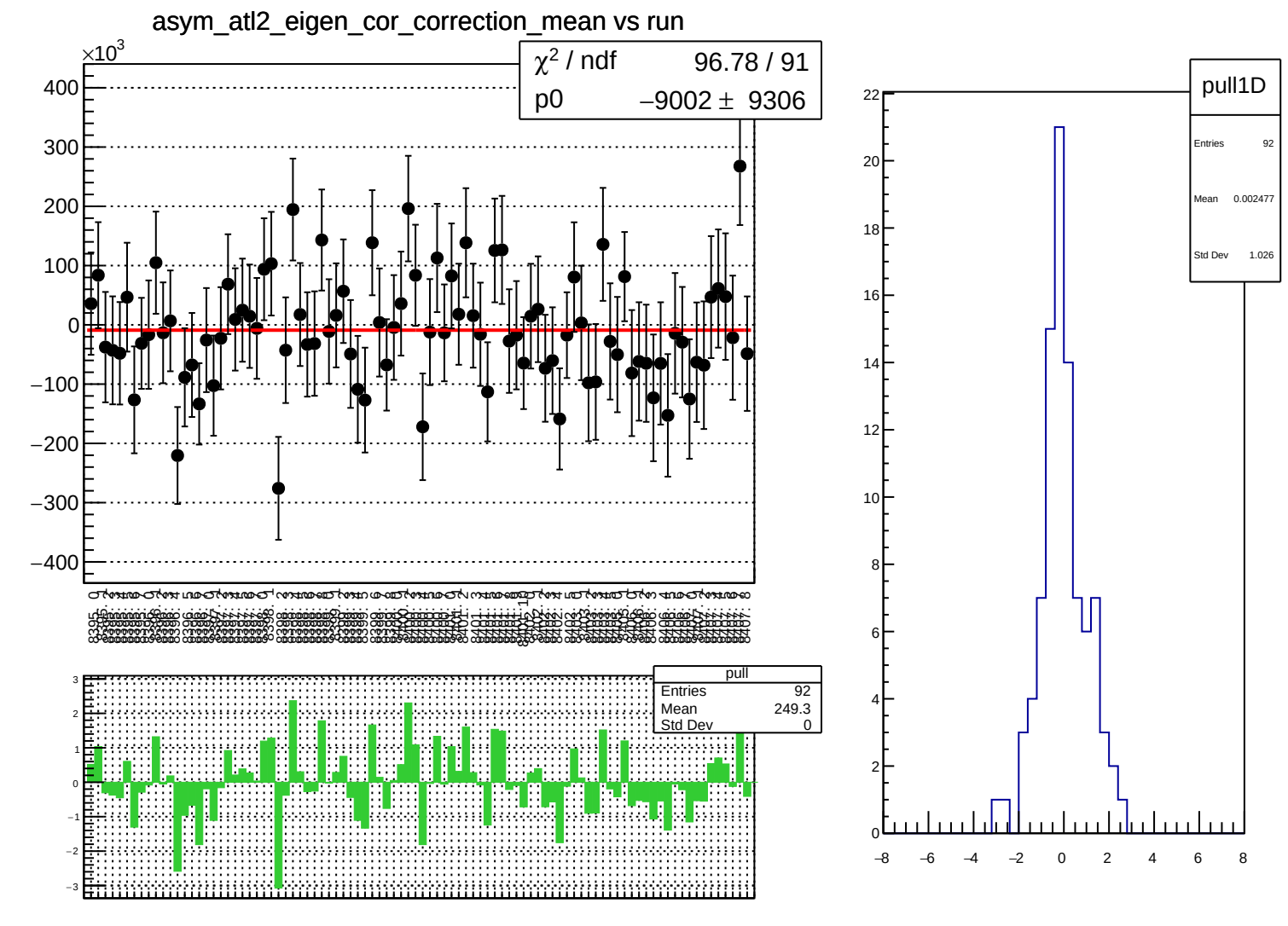

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 96.78 / 91
p0 −9002 ± 9306
pull
Entries 92
Mean 249.3
Std Dev 0
pull1D
Entries 92
Mean 0.002477
Std Dev 1.026

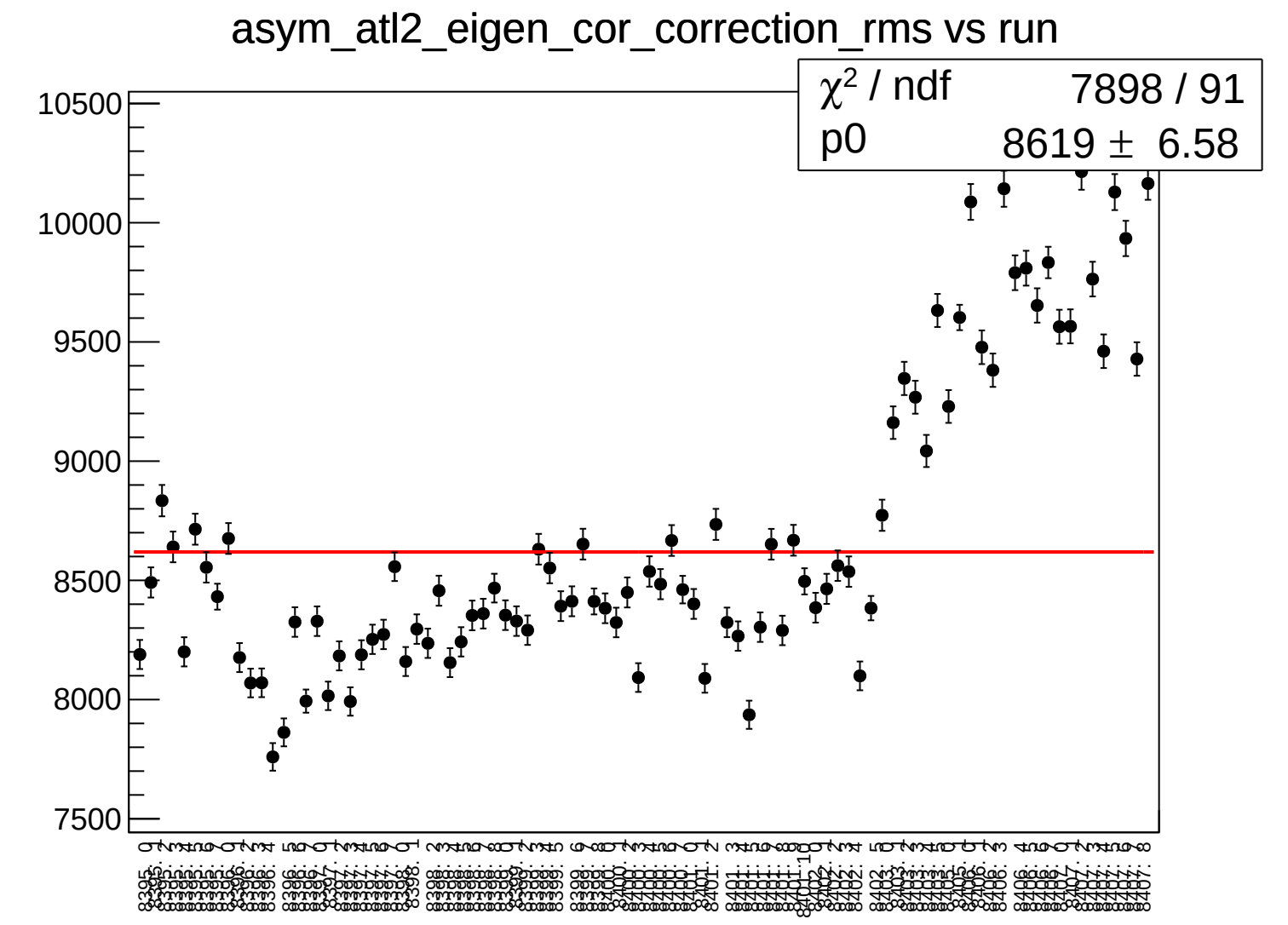

asym_atl2_cor_correction_rms vs run
χ² / ndf 7898 / 91
p0 8619 ± 6.58
10500
10000
9500
9000
8500
8000
7500

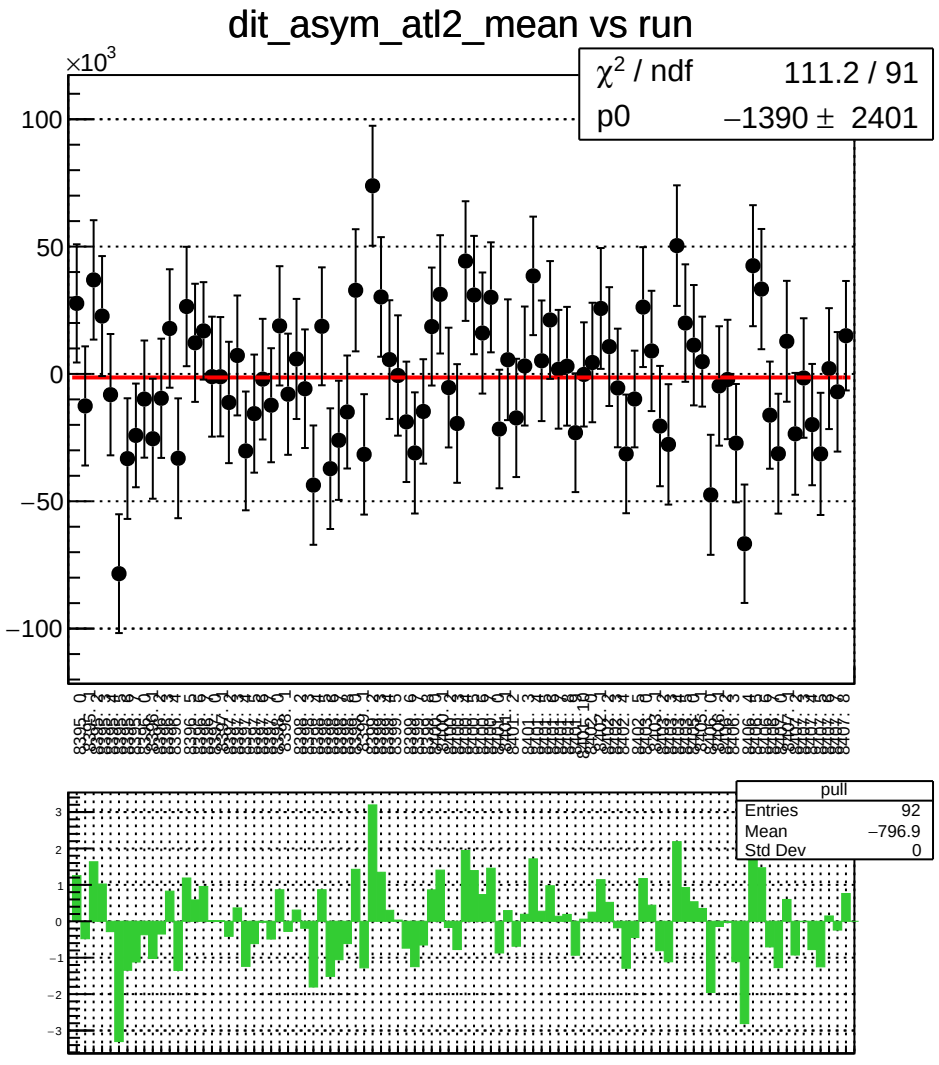

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 109.3 / 91
p0 −977.6 ± 2391
100
50
0
−50
−100
pull
Entries 92
Mean −286.2
Std Dev 248.8
3
2
1
0
−1
−2
−3

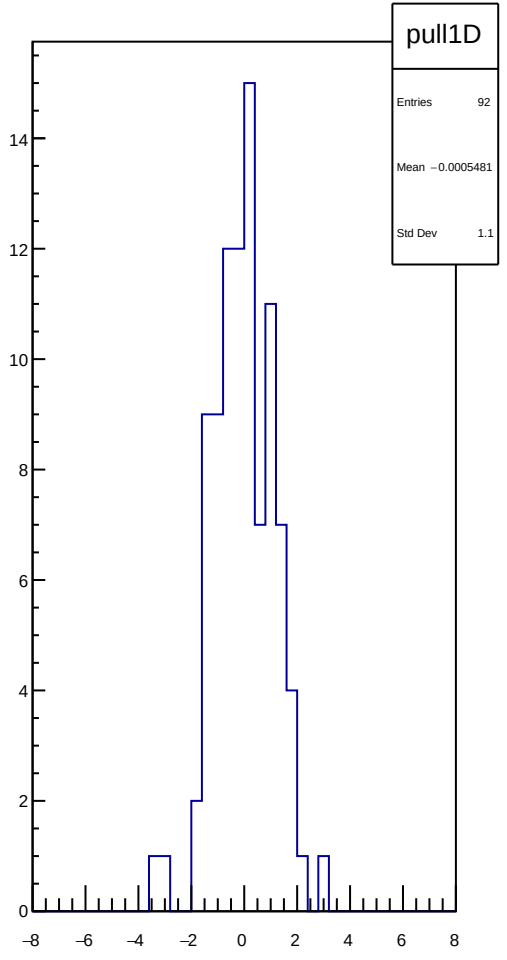

pull1D
Entries 92
Mean −0.0006758
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

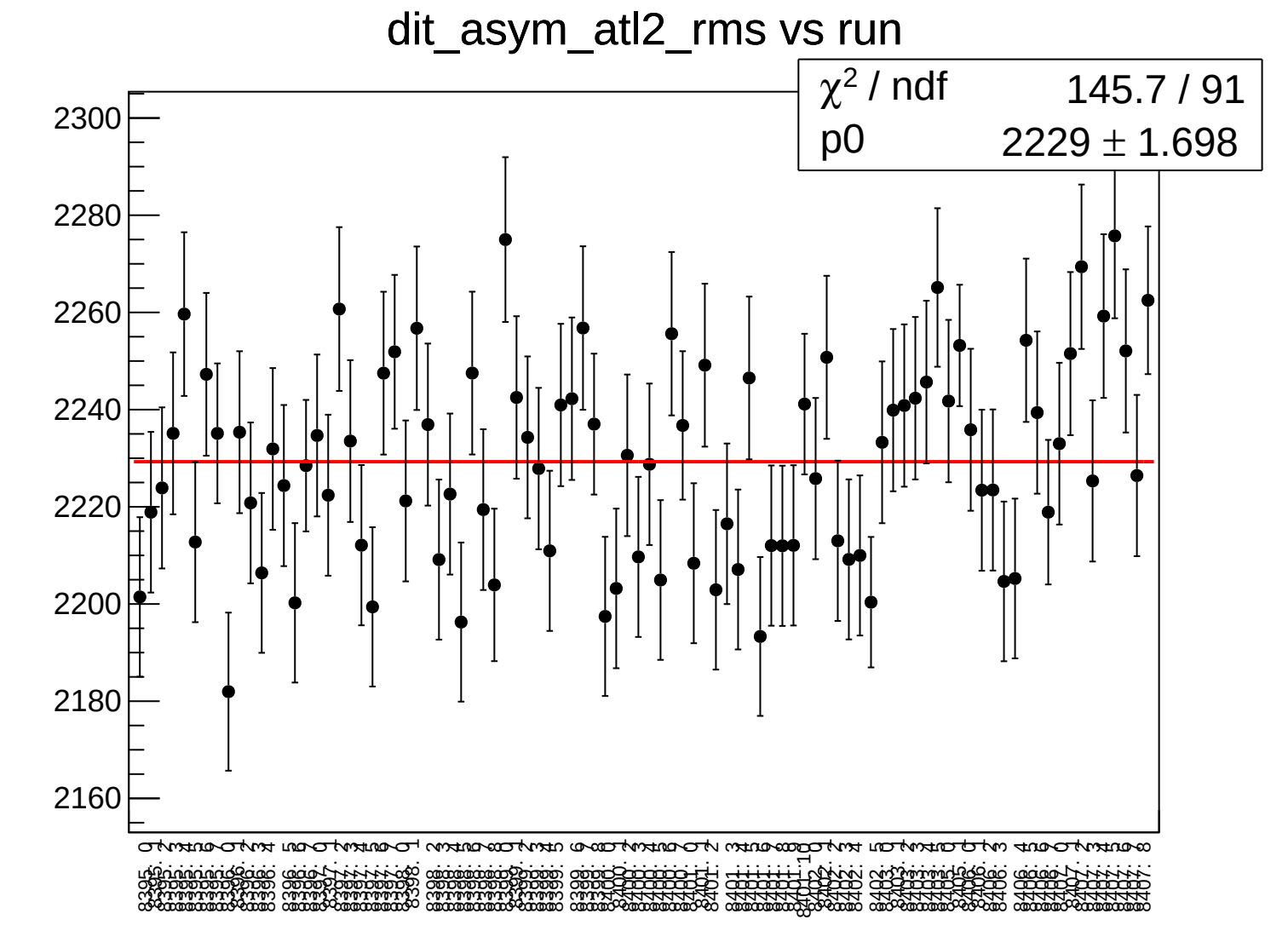

eigen_cor_asym_atl2_rms vs run
χ² / ndf 179.2 / 91
p0 2220 ± 1.691
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

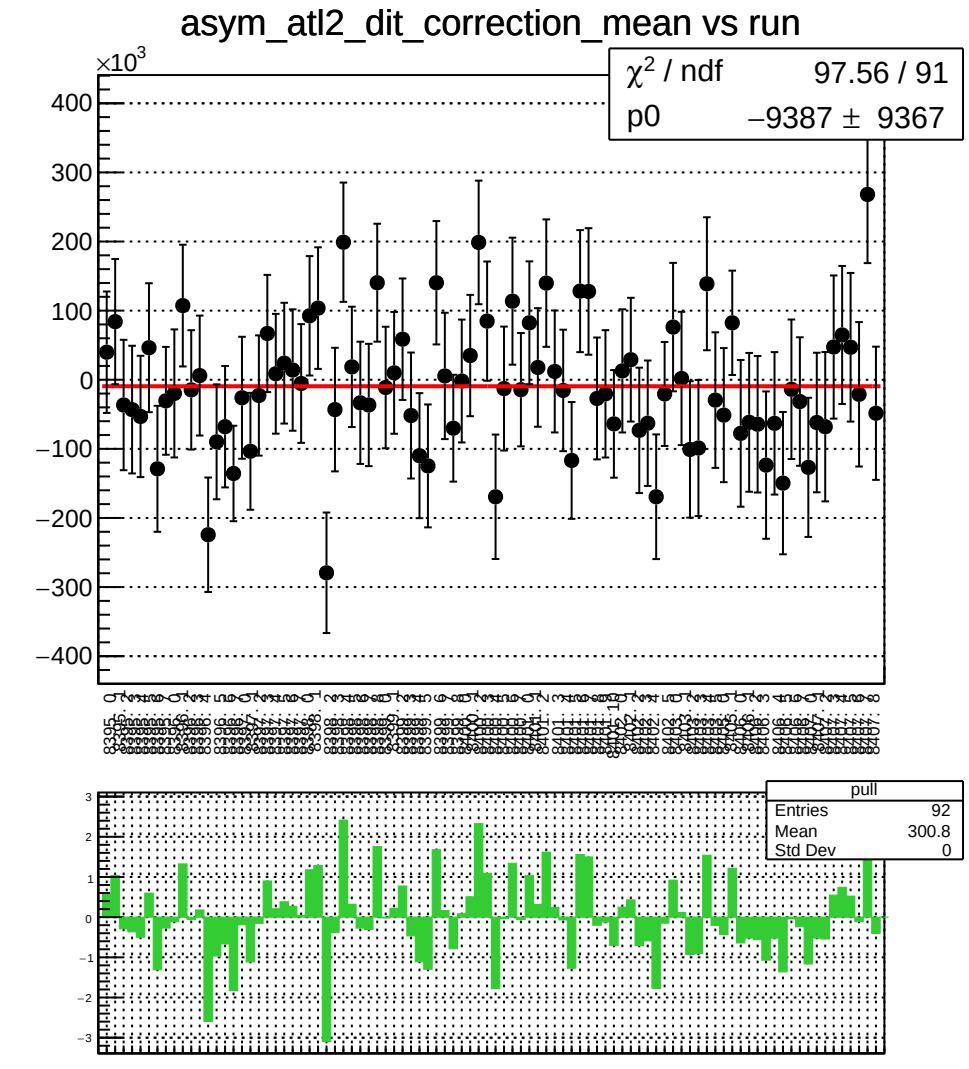

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 96.78 / 91
p0 −9002 ± 9306
pull
Entries 92
Mean 249.3
Std Dev 0
pull1D
Entries 92
Mean 0.002477
Std Dev 1.026

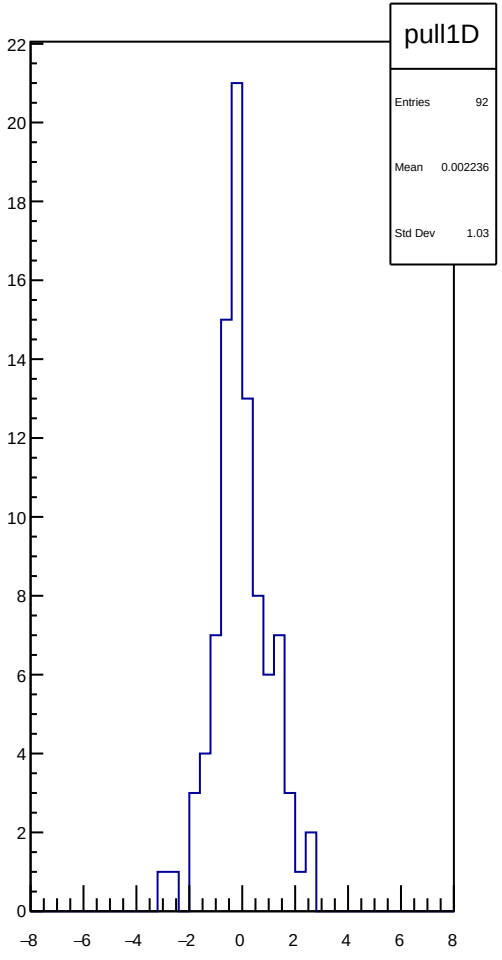

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 7898 / 91
p0 8619 ± 6.58
10500
10000
9500
9000
8500
8000
7500

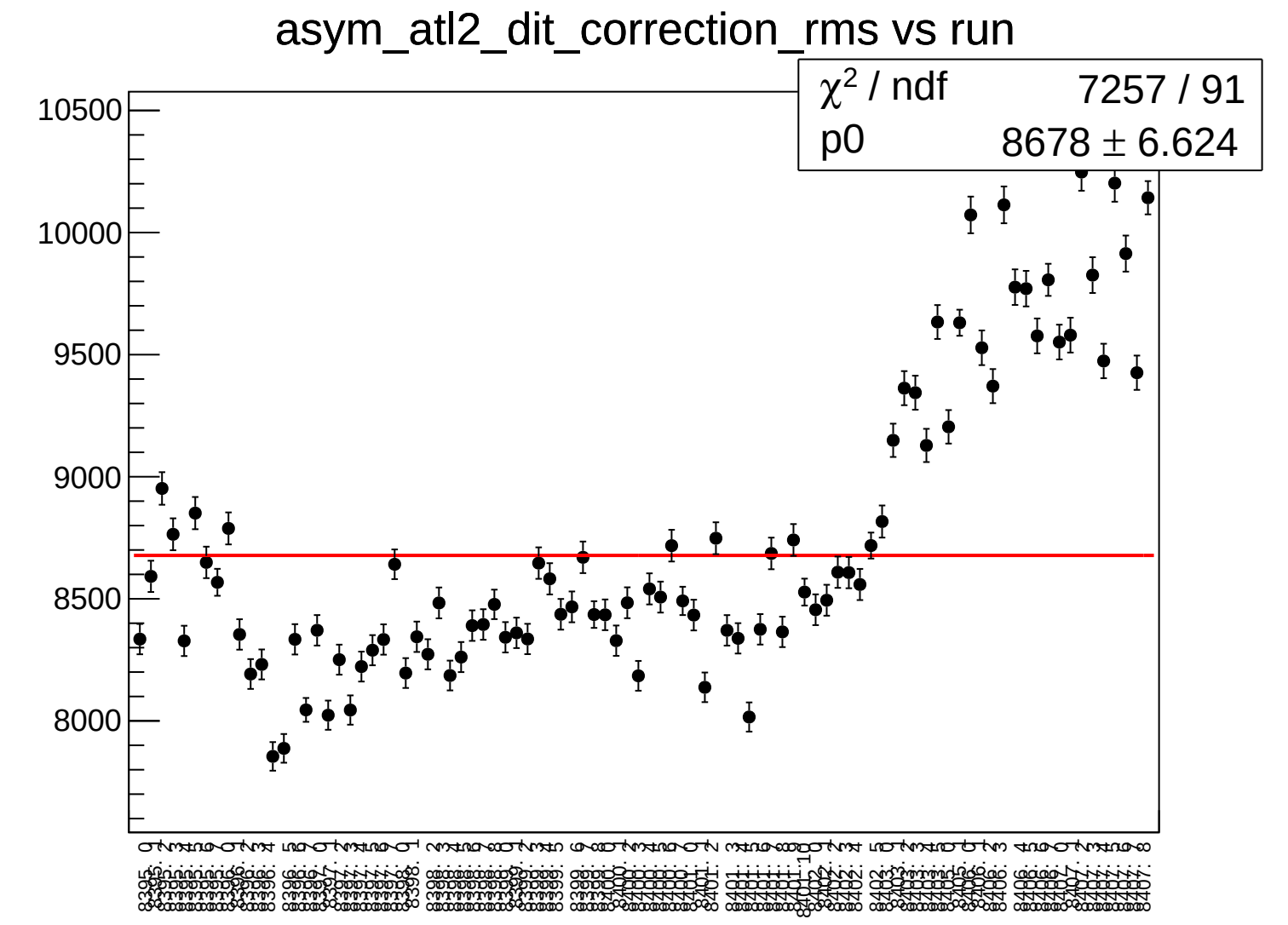

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 111.2 / 91
p0 −1390 ± 2401
100
50
0
−50
−100
pull
Entries 92
Mean −796.9
Std Dev 0
3
2
1
0
−1
−2
−3

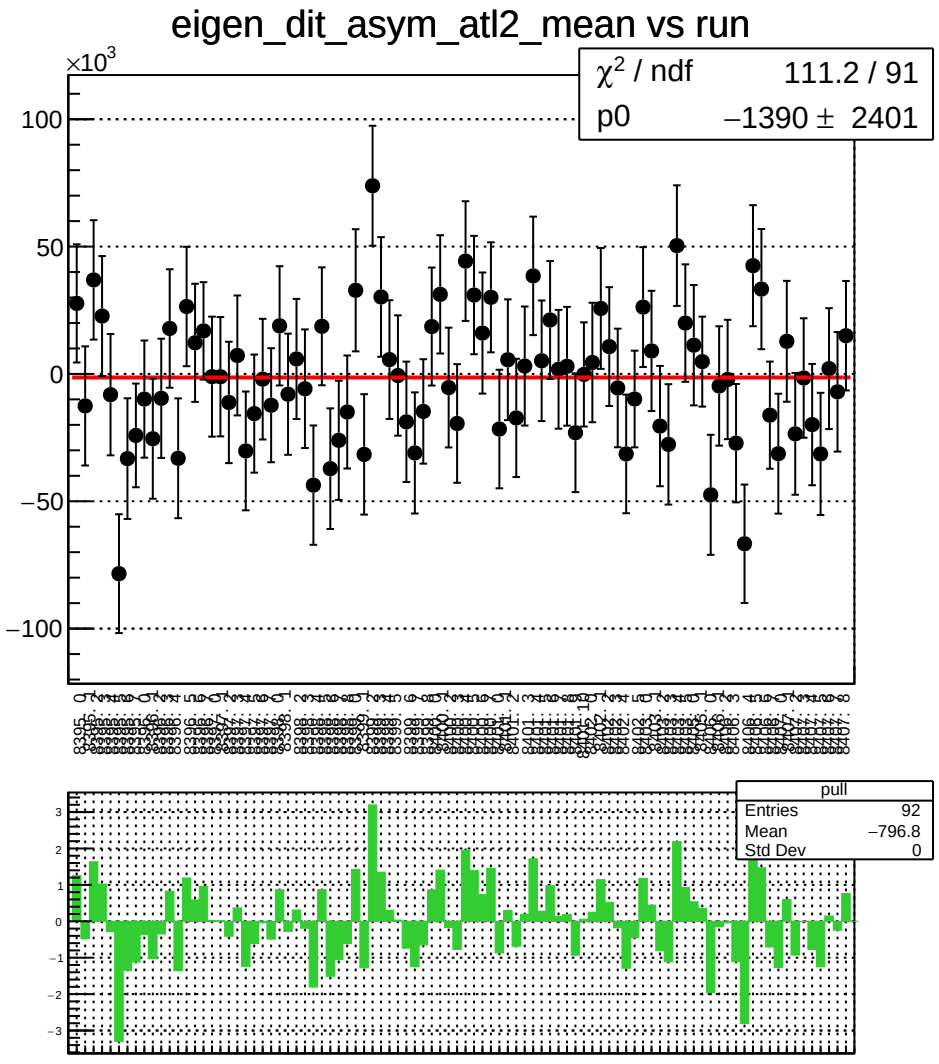

pull1D
Entries 92
Mean −0.0005481
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

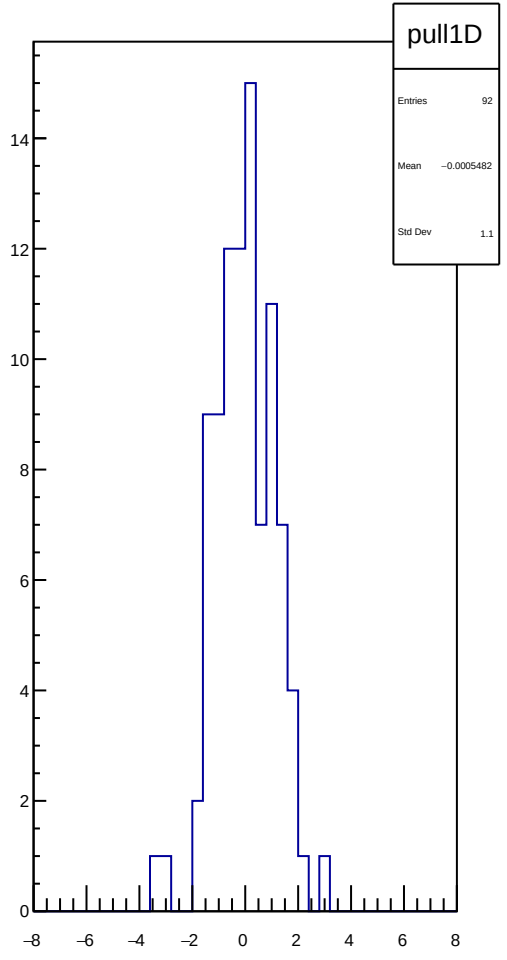

dit_asym_atl2_rms vs run
$\chi^2$ / ndf 145.7 / 91
p0 2229 ± 1.698
2300
2280
2260
2240
2220
2200
2180
2160

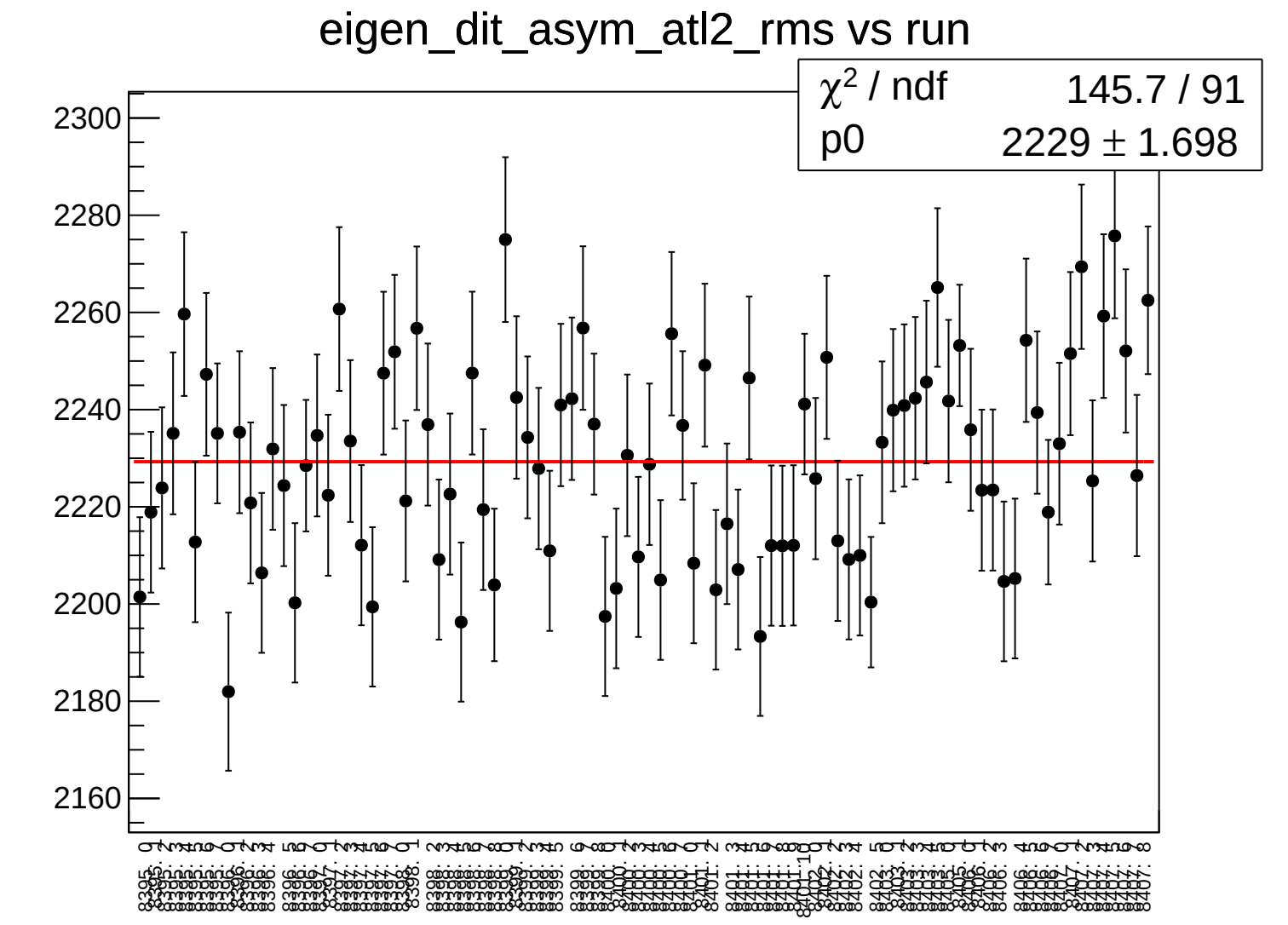

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 97.56 / 91
p0 −9387 ± 9367
pull
Entries 92
Mean 300.8
Std Dev 0

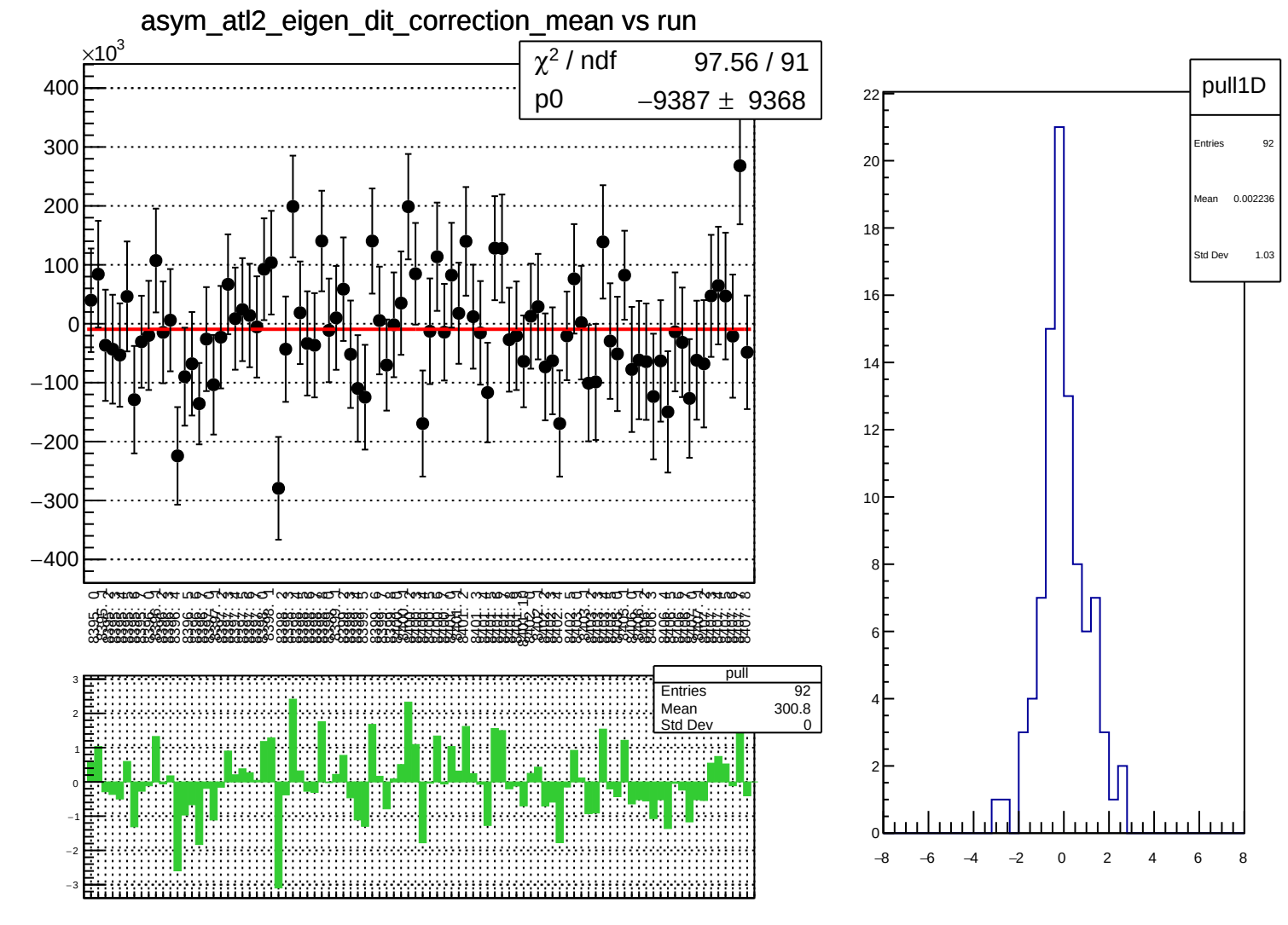

pull1D
Entries 92
Mean 0.002236
Std Dev 1.03

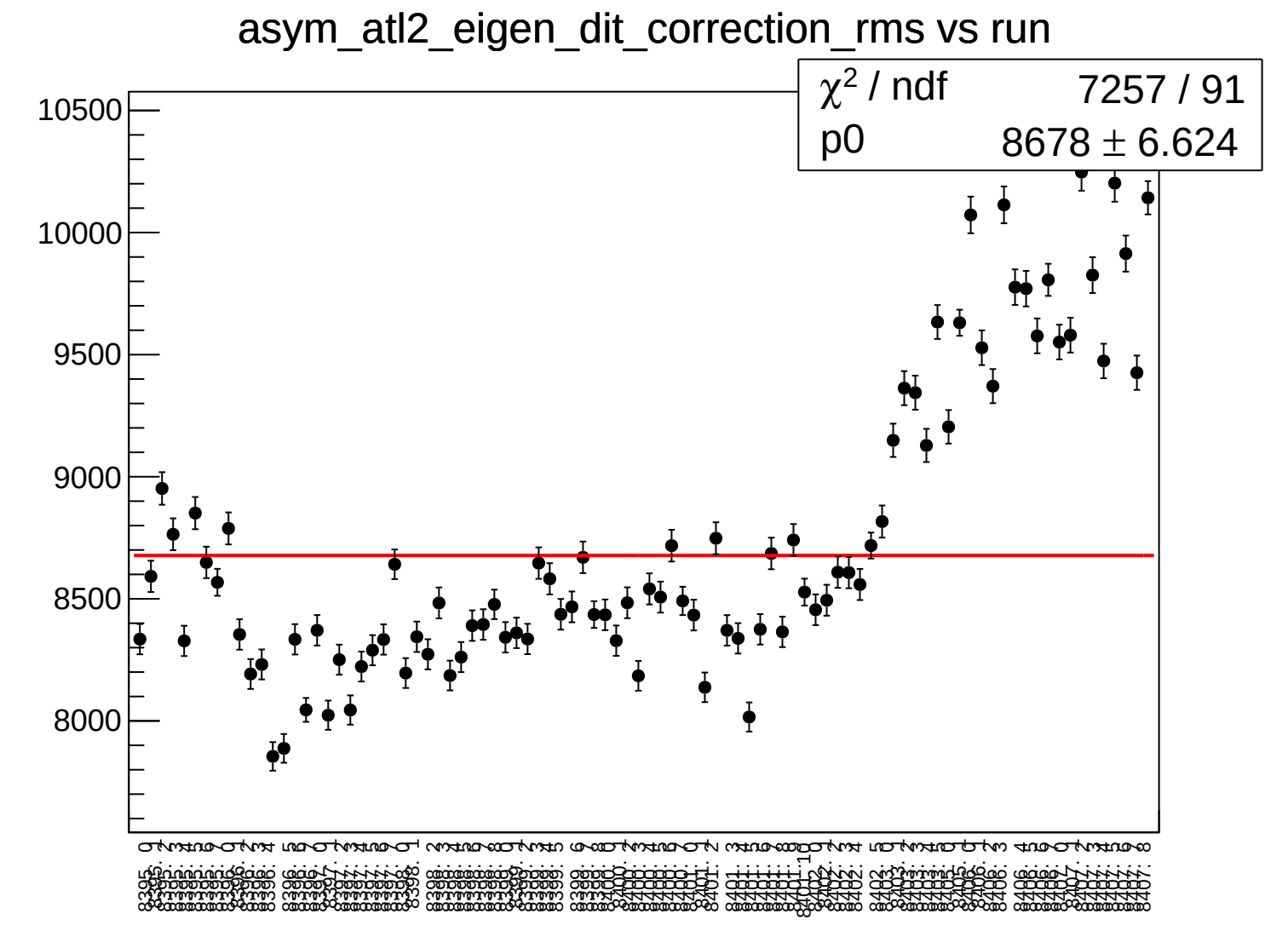

asym_atl2_dit_correction_rms vs run
$\chi^2$ / ndf 7257 / 91
p0 8678 ± 6.624
10500
10000
9500
9000
8500
8000

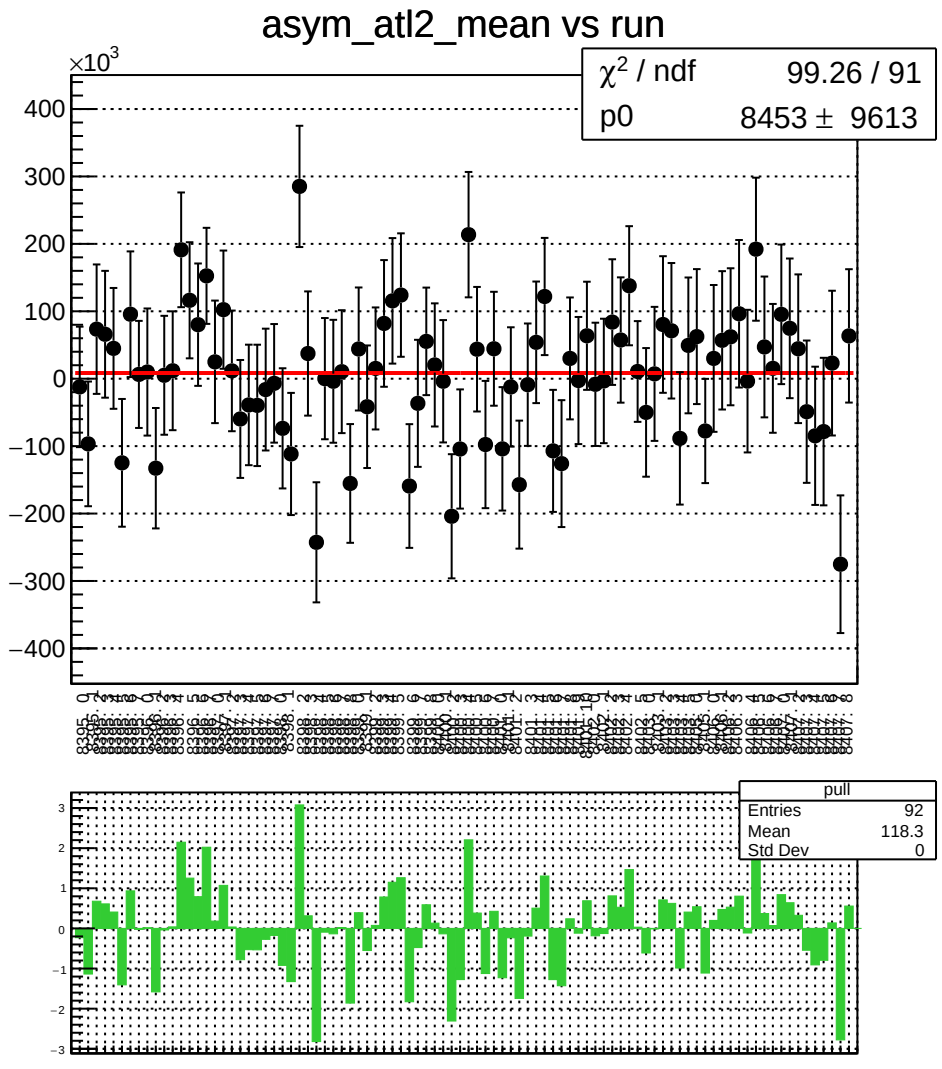

eigen_dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 111.2 / 91
p0 −1390 ± 2401
100
50
0
−50
−100
pull
Entries 92
Mean −796.8
Std Dev 0
3
2
1
0
−1
−2
−3

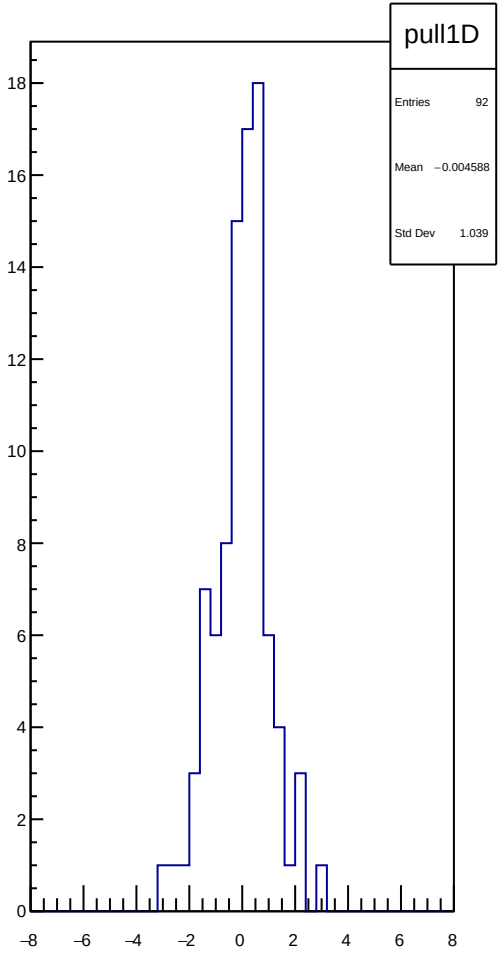

pull1D
Entries 92
Mean −0.0005482
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

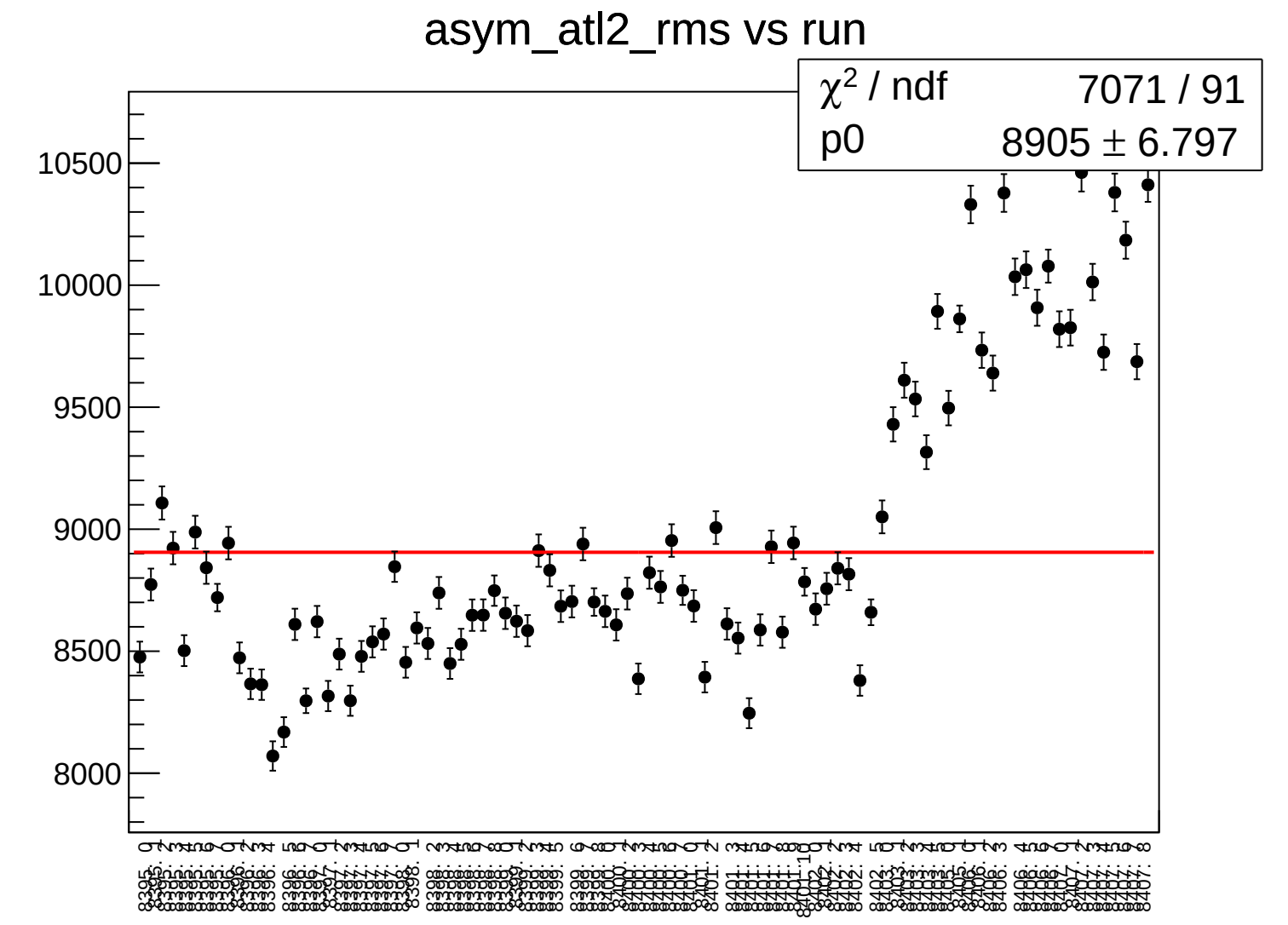

eigen_dit_asym_atl2_rms vs run
$\chi^2$ / ndf 145.7 / 91
p0 2229 ± 1.698
2300
2280
2260
2240
2220
2200
2180
2160

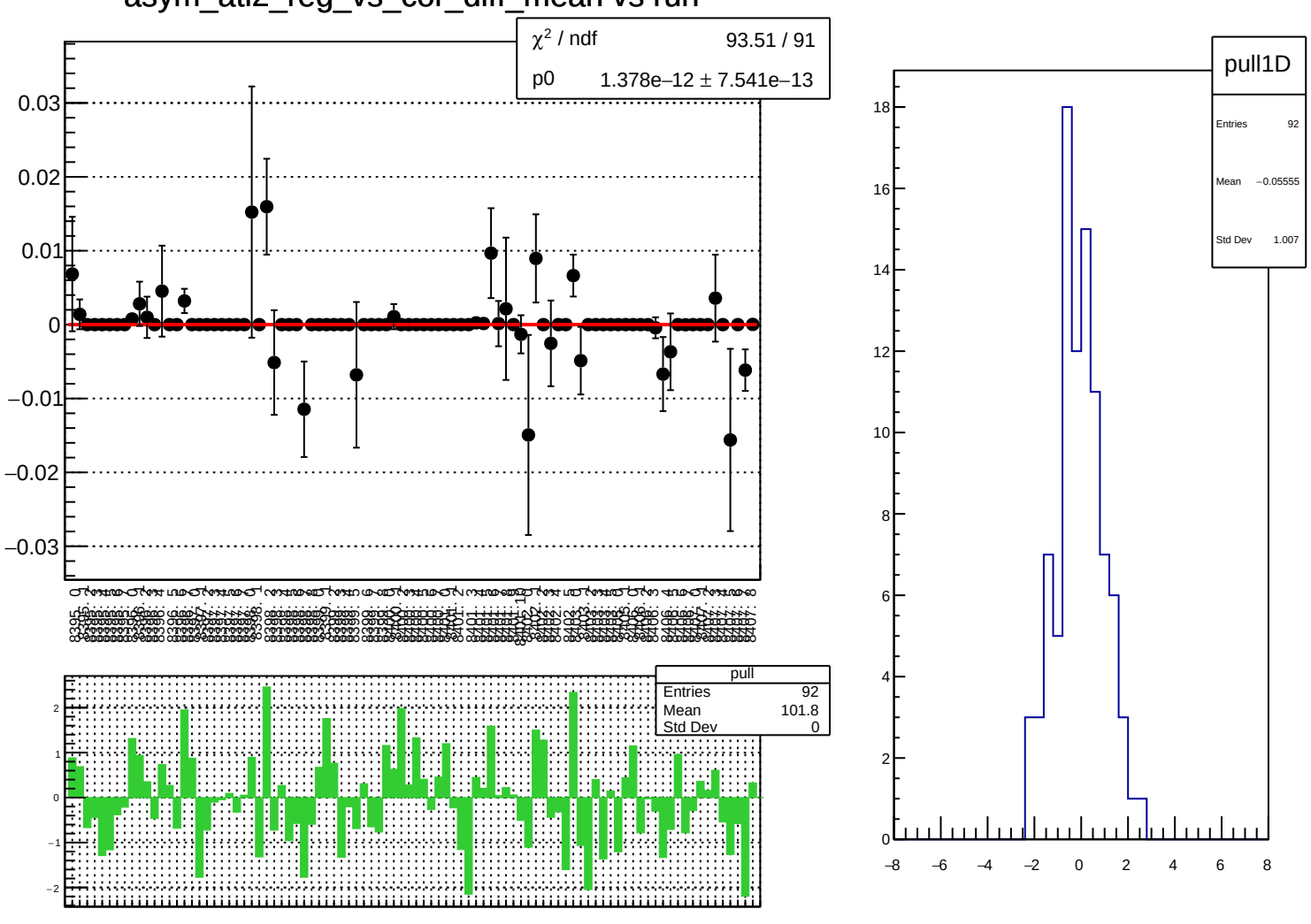

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 97.56 / 91
p0 −9387 ± 9368
pull
Entries 92
Mean 300.8
Std Dev 0
pull1D
Entries 92
Mean 0.002236
Std Dev 1.03

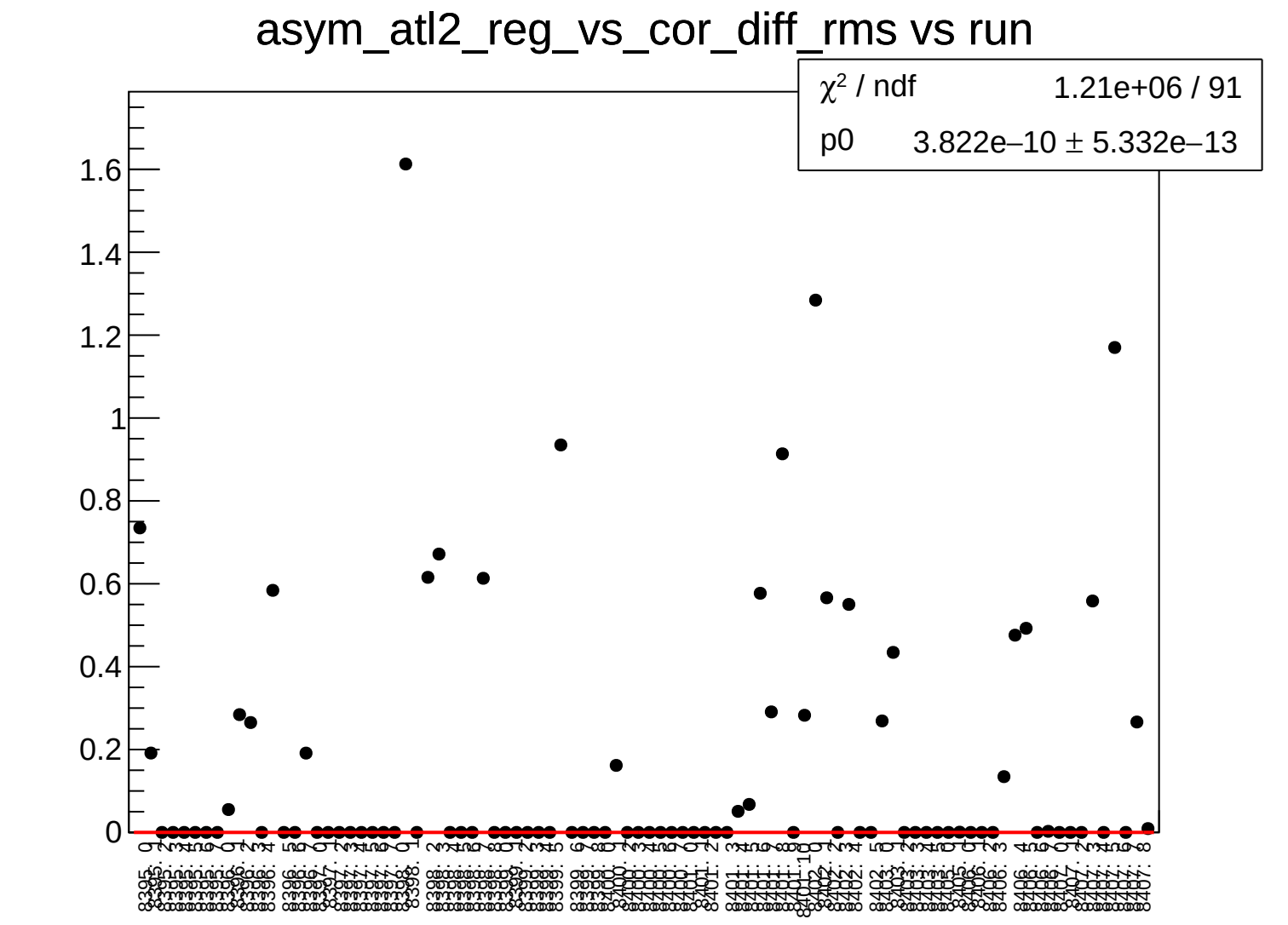

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 7257 / 91
p0 8678 ± 6.624
10500
10000
9500
9000
8500
8000

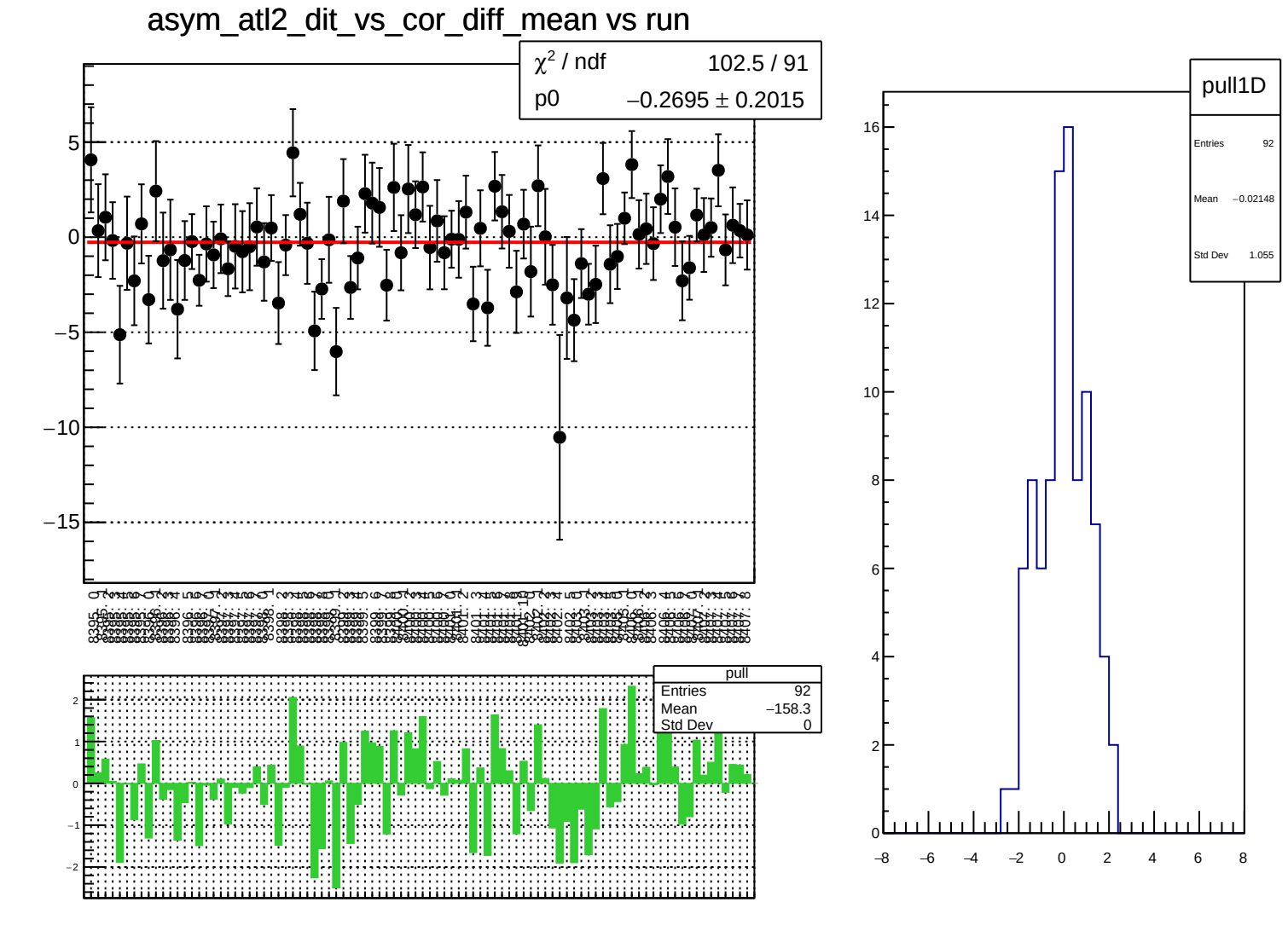

asym_atl2_mean vs run
×10^3
χ^2 / ndf 99.26 / 91
p0 8453 ± 9613
pull
Entries 92
Mean 118.3
Std Dev 0

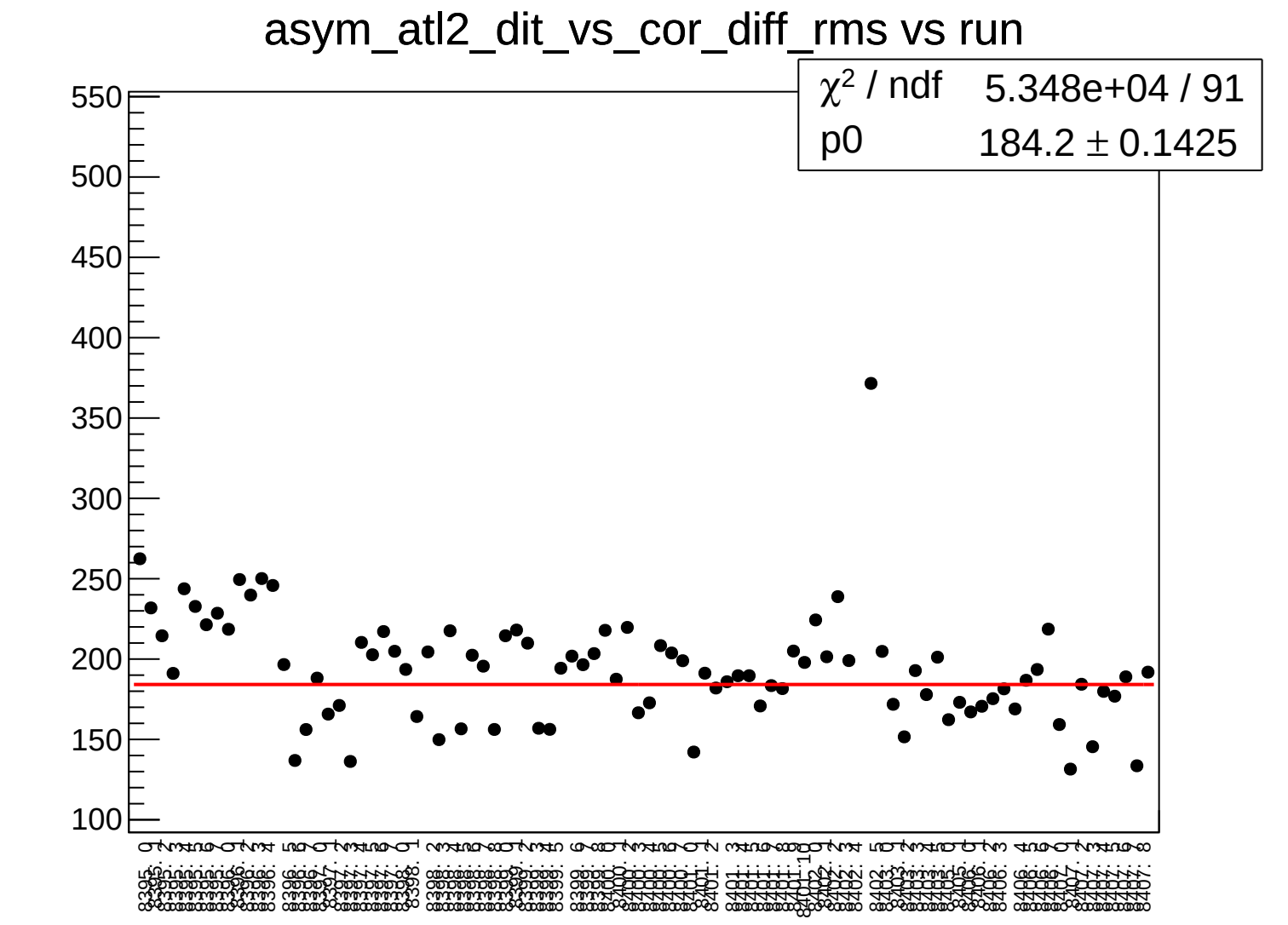

pull1D
Entries 92
Mean −0.004588
Std Dev 1.039

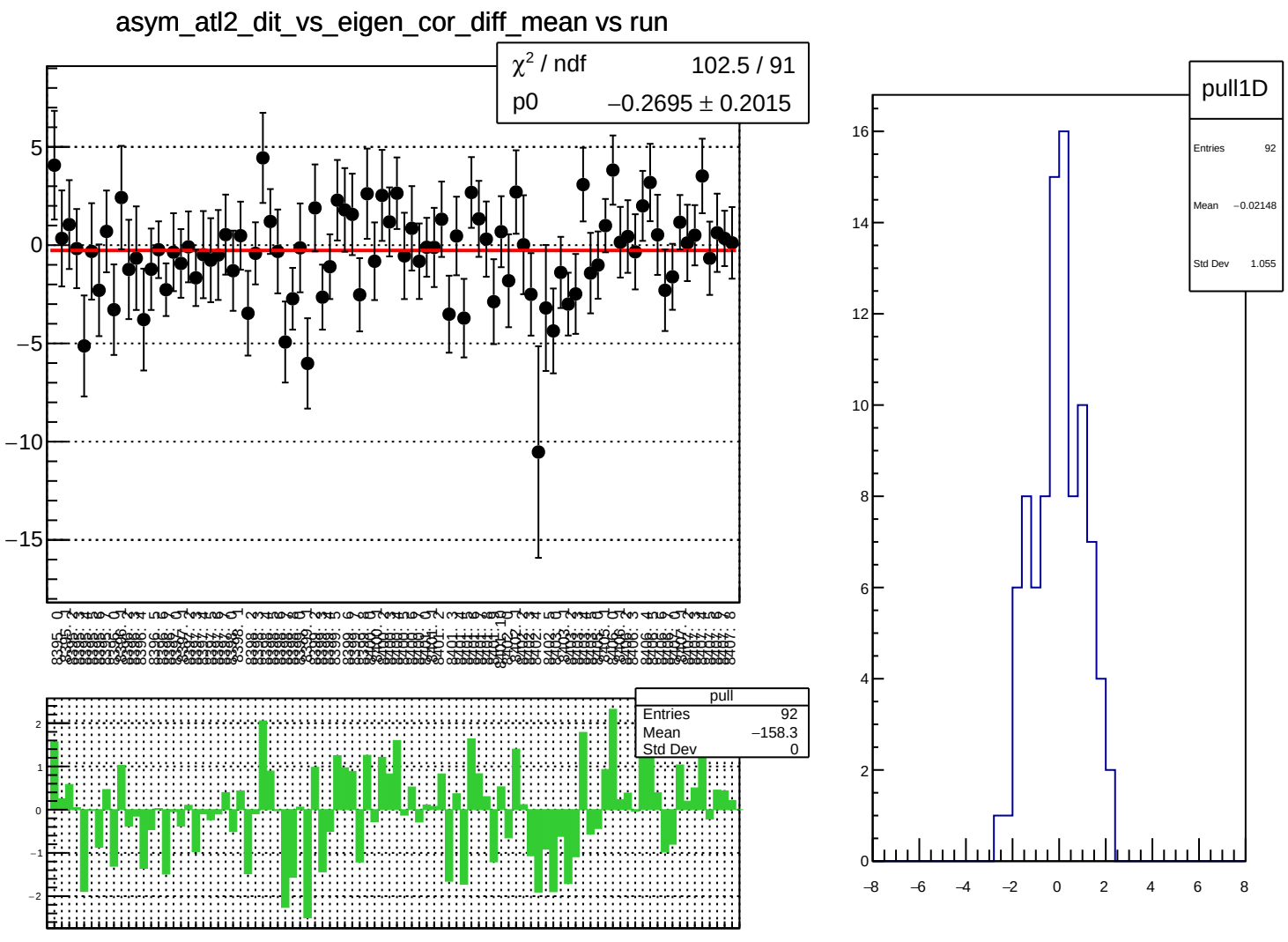

asym_atl2_rms vs run
χ² / ndf 7071 / 91
p0 8905 ± 6.797
10500
10000
9500
9000
8500
8000

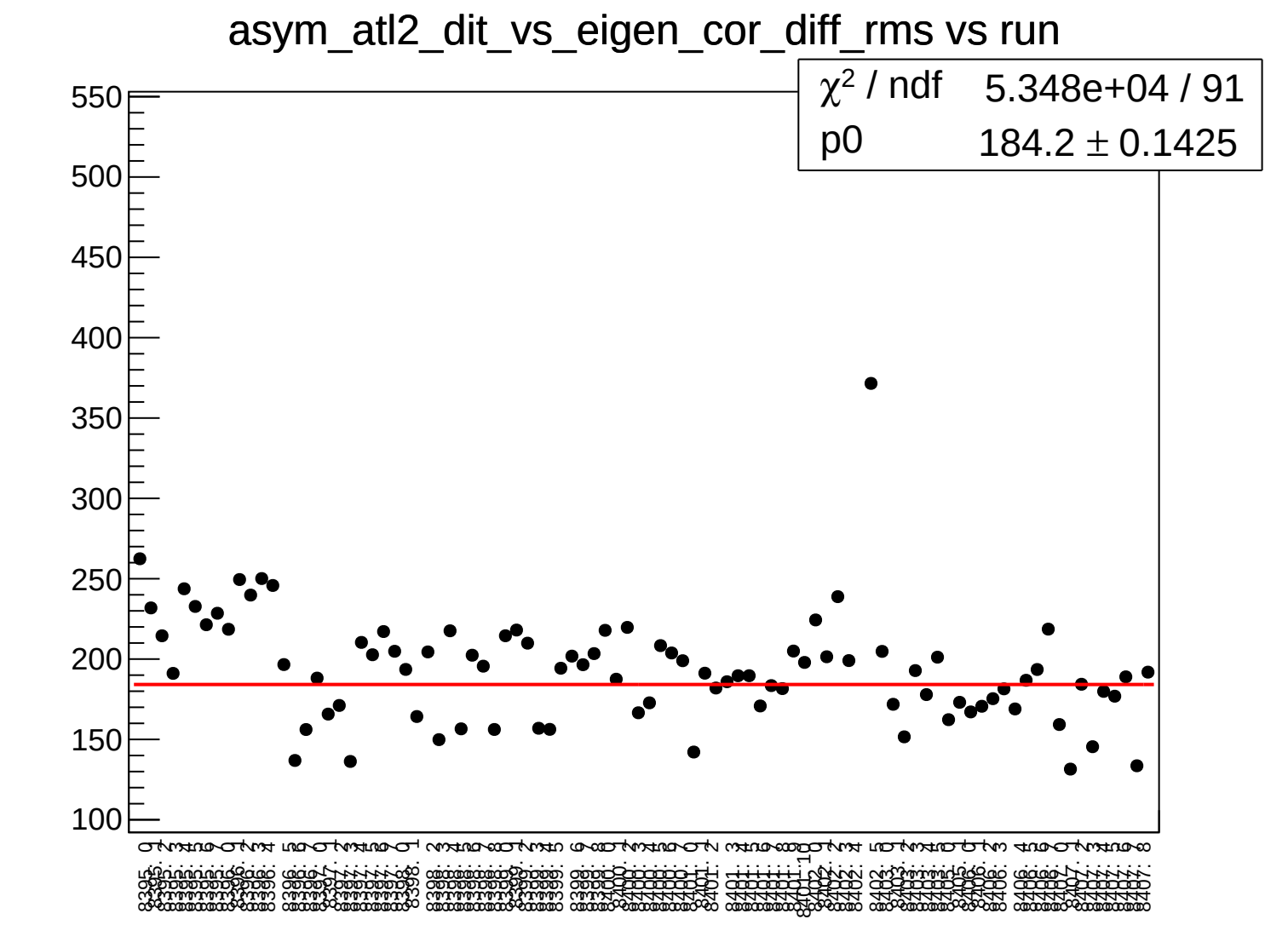

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 93.51 / 91
p0 1.378e−12 ± 7.541e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 101.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.05555
Std Dev 1.007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

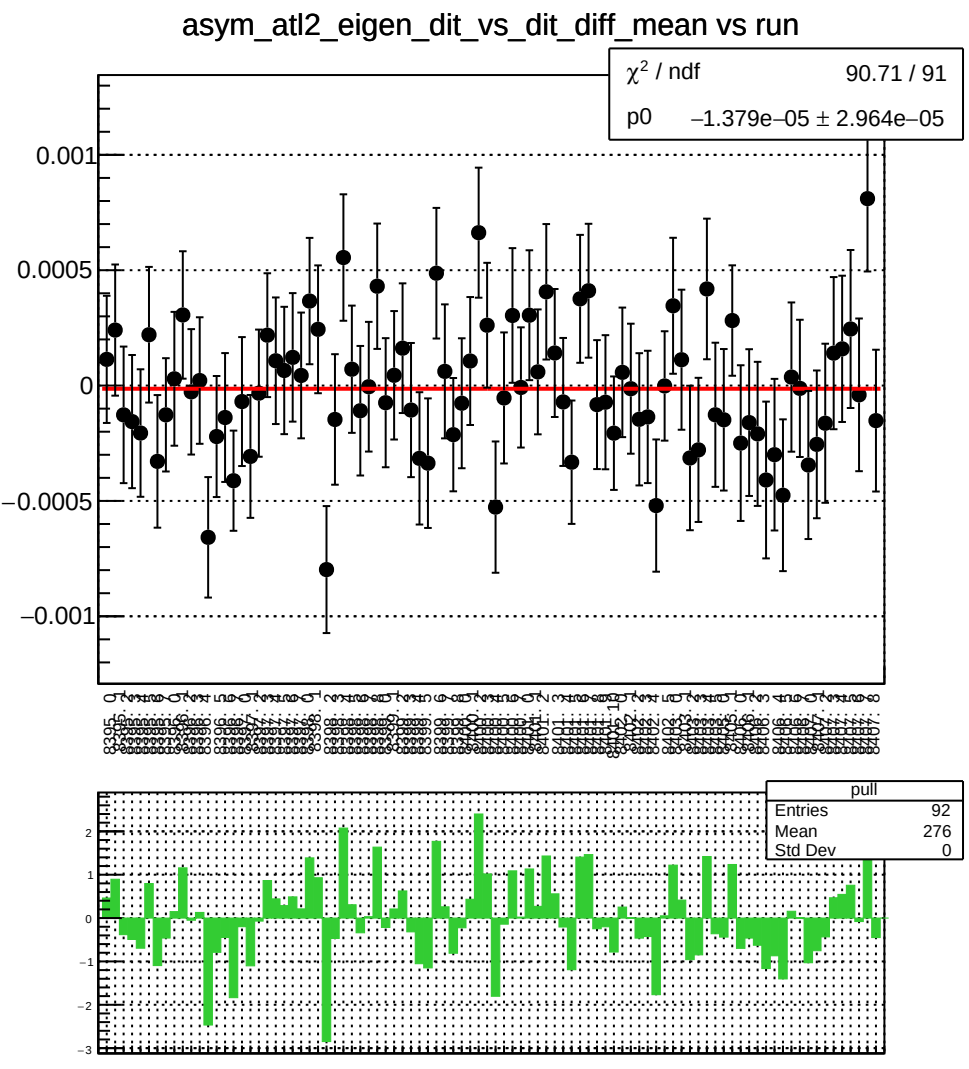

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.21e+06 / 91
p0 3.822e−10 ± 5.332e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

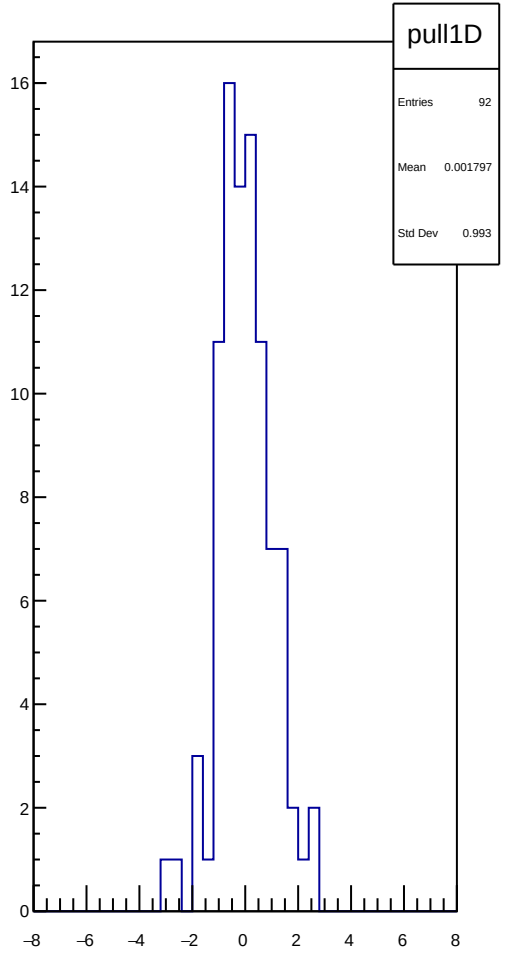

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 102.5 / 91
p0 −0.2695 ± 0.2015
pull
Entries 92
Mean −158.3
Std Dev 0
pull1D
Entries 92
Mean −0.02148
Std Dev 1.055

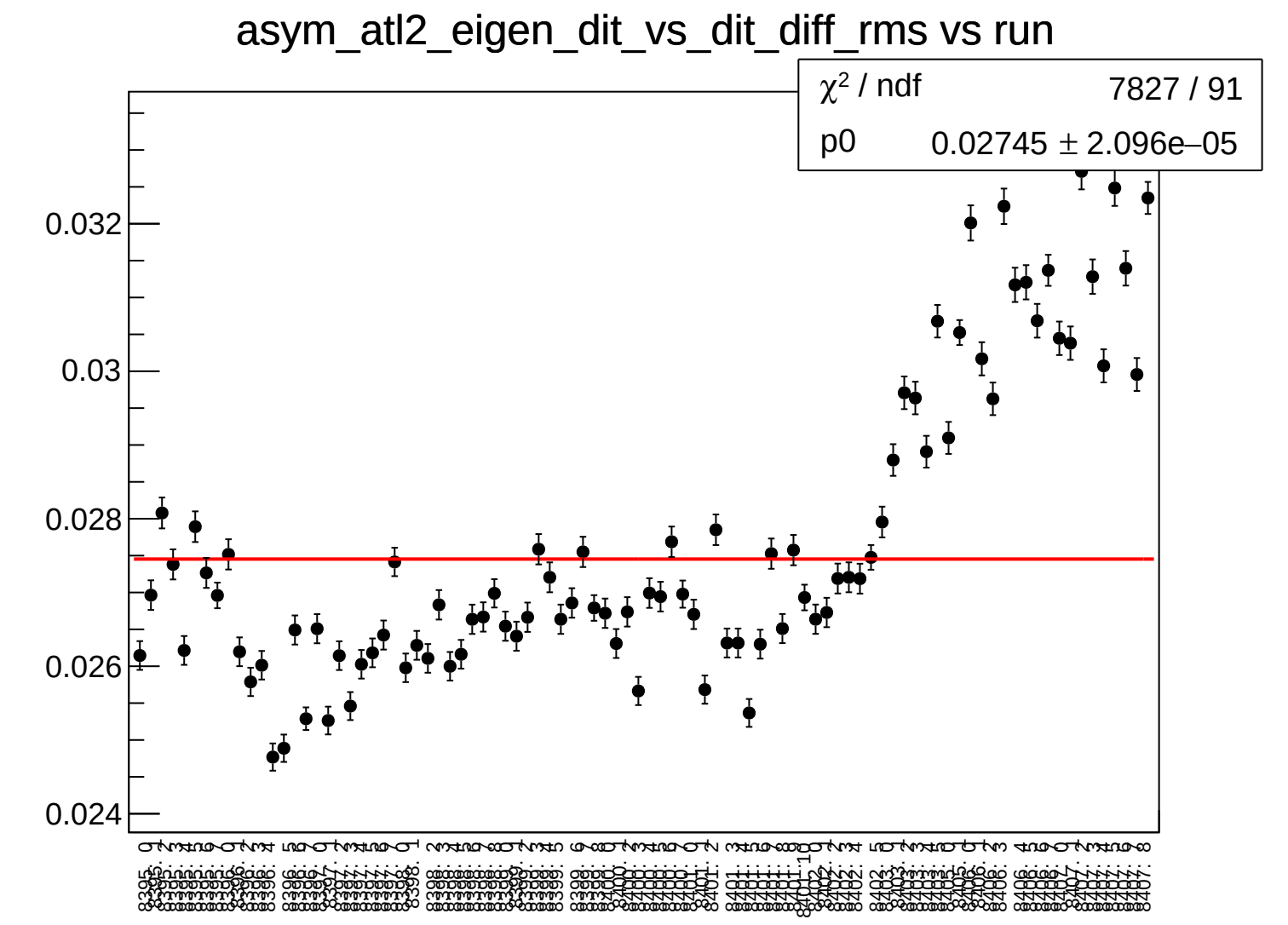

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 5.348e+04 / 91
p0 184.2 ± 0.1425
550
500
450
400
350
300
250
200
150
100

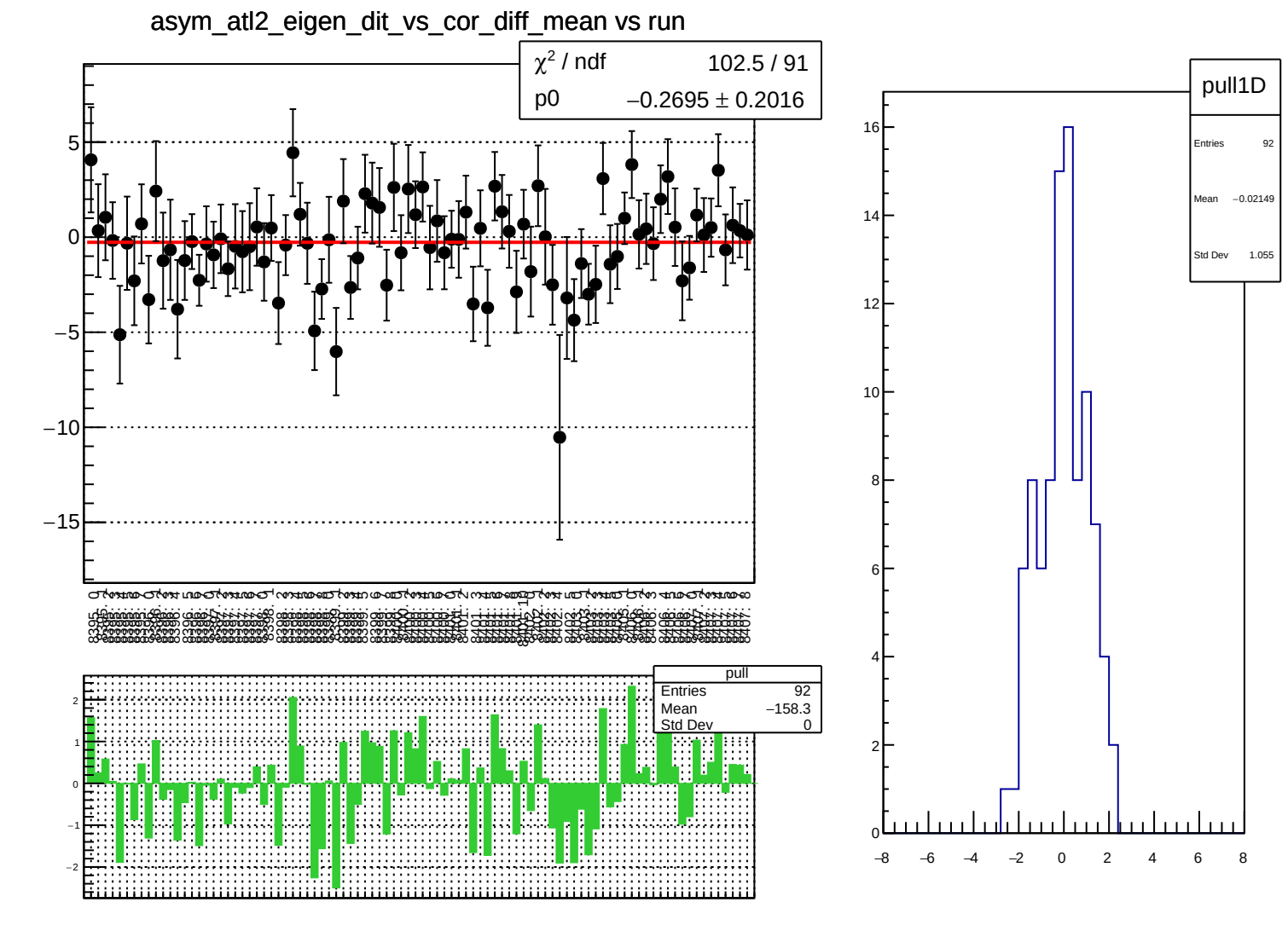

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.5 / 91
p0 −0.2695 ± 0.2015
pull
Entries 92
Mean −158.3
Std Dev 0
pull1D
Entries 92
Mean −0.02148
Std Dev 1.055

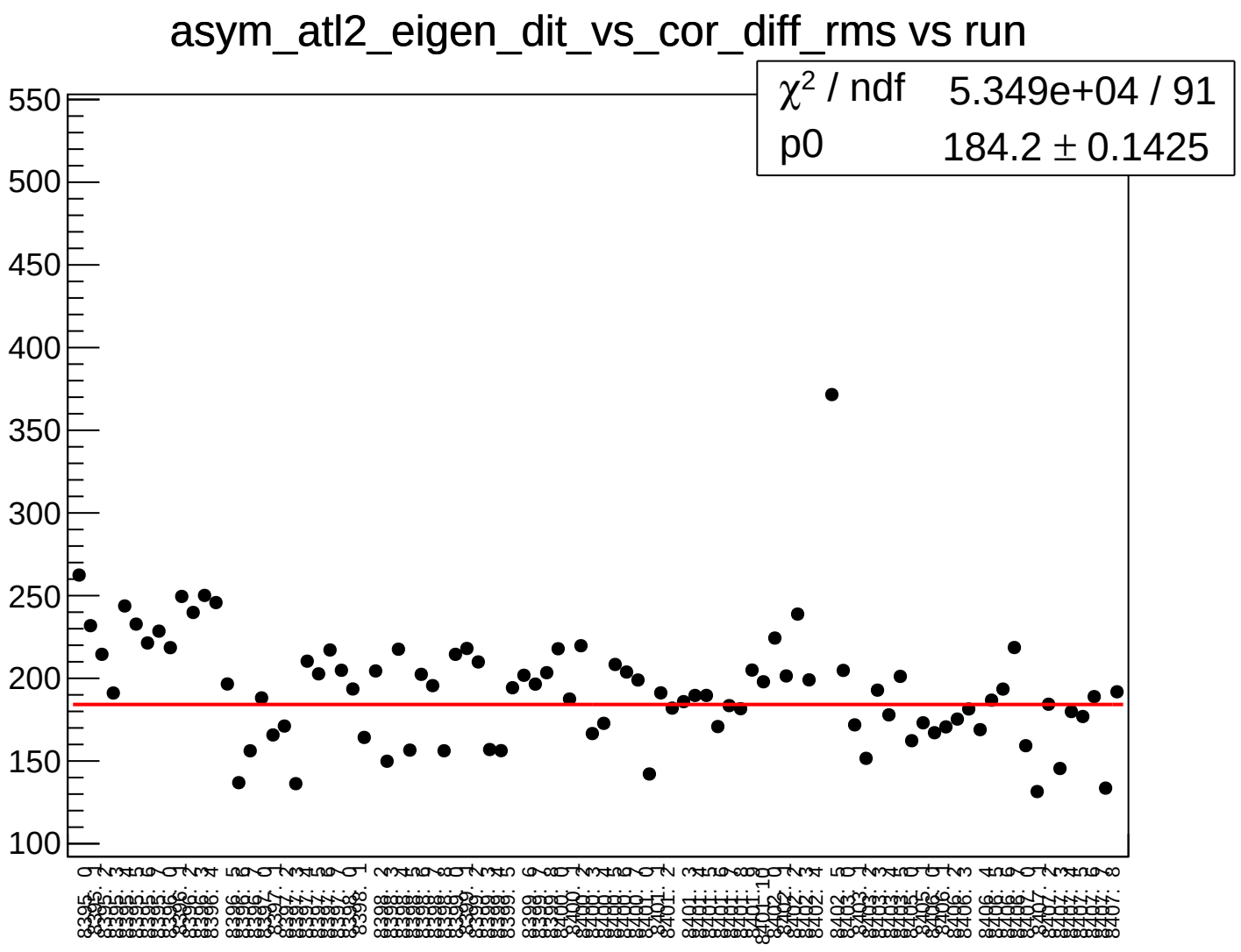

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 5.348e+04 / 91
p0 184.2 ± 0.1425
550
500
450
400
350
300
250
200
150
100

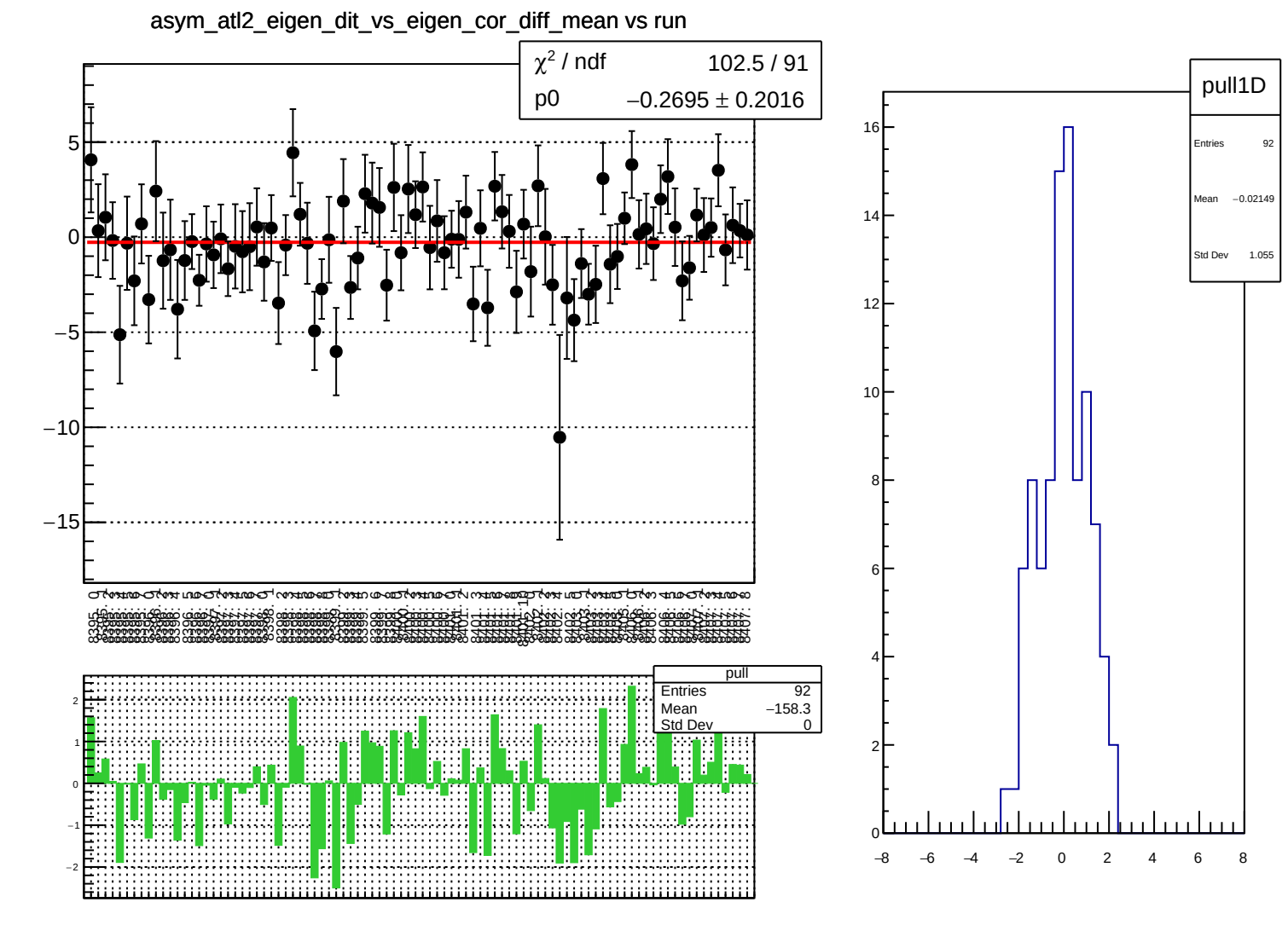

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 90.71 / 91
p0 −1.379e−05 ± 2.964e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 276
Std Dev 0
2
1
0
−1
−2
−3

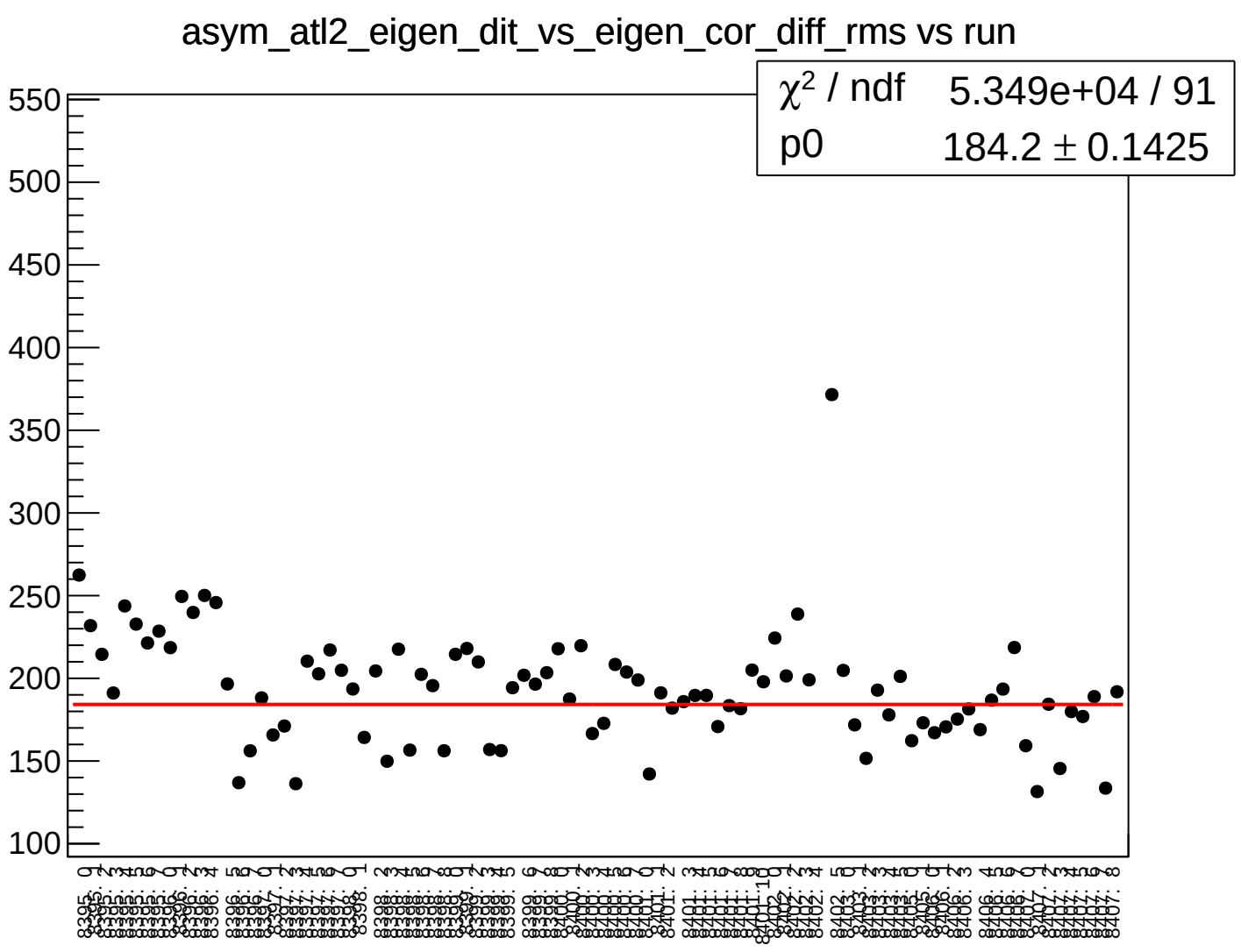

pull1D
Entries 92
Mean 0.001797
Std Dev 0.993
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

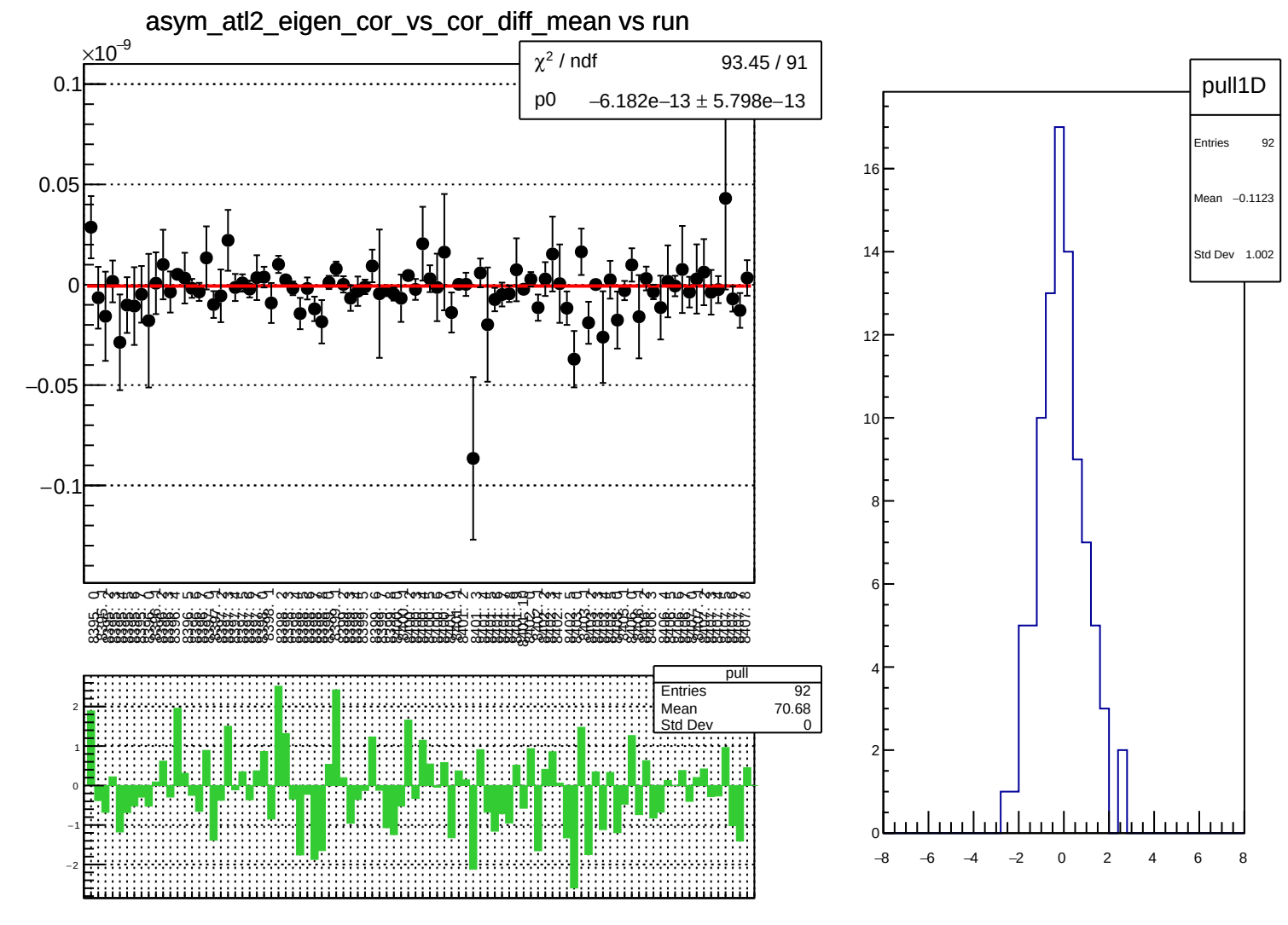

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7827 / 91
p0 0.02745 ± 2.096e−05
0.032
0.03
0.028
0.026
0.024

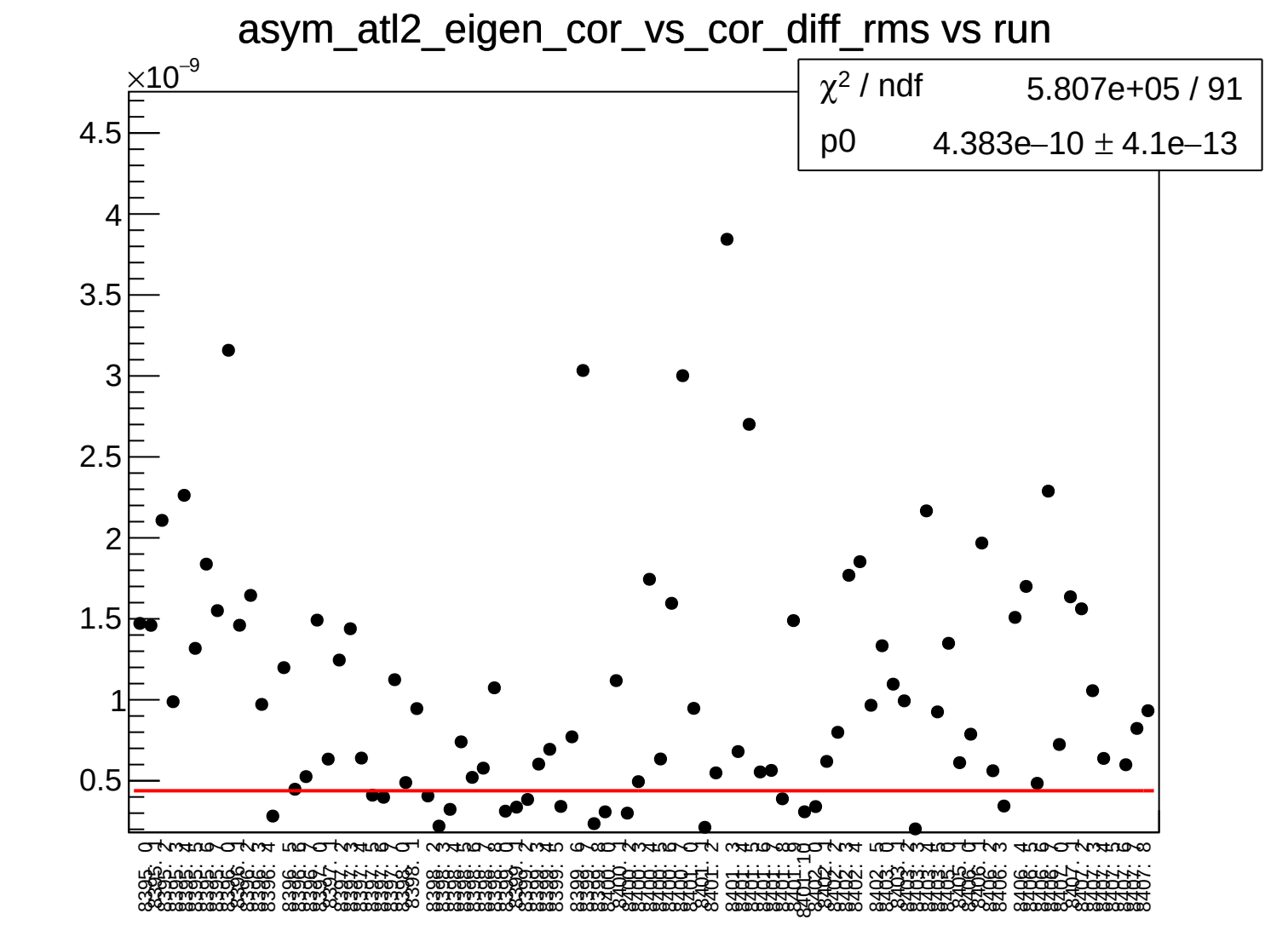

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.5 / 91
p0 −0.2695 ± 0.2016
pull
Entries 92
Mean −158.3
Std Dev 0
pull1D
Entries 92
Mean −0.02149
Std Dev 1.055

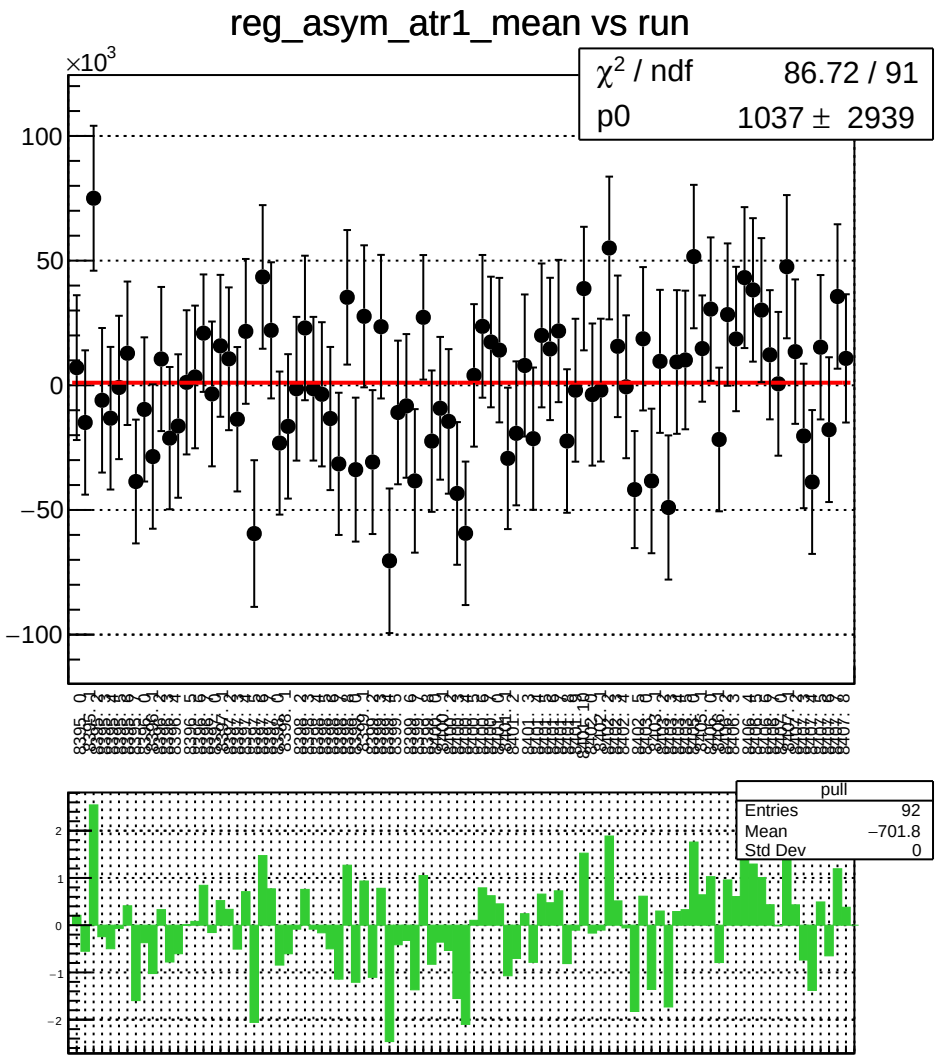

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.349e+04 / 91
p0 184.2 ± 0.1425
550
500
450
400
350
300
250
200
150
100

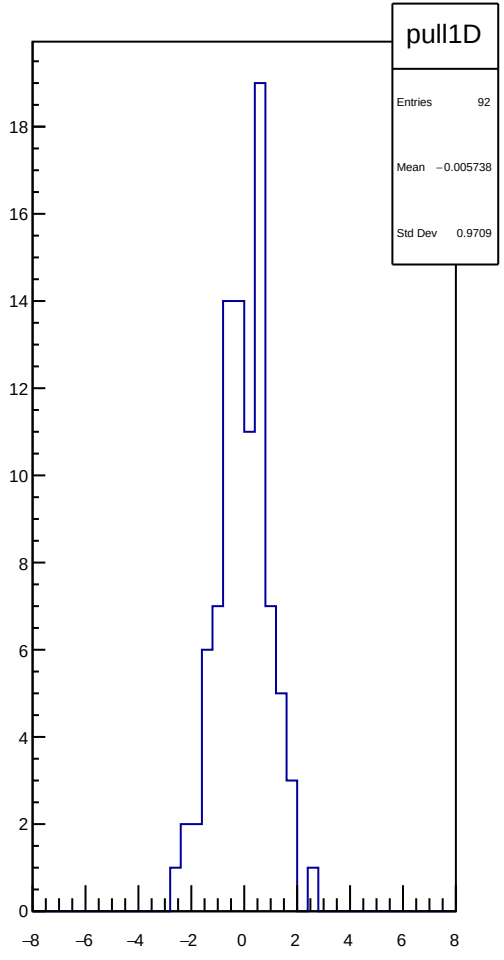

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.5 / 91
p0 −0.2695 ± 0.2016
pull
Entries 92
Mean −158.3
Std Dev 0
pull1D
Entries 92
Mean −0.02149
Std Dev 1.055

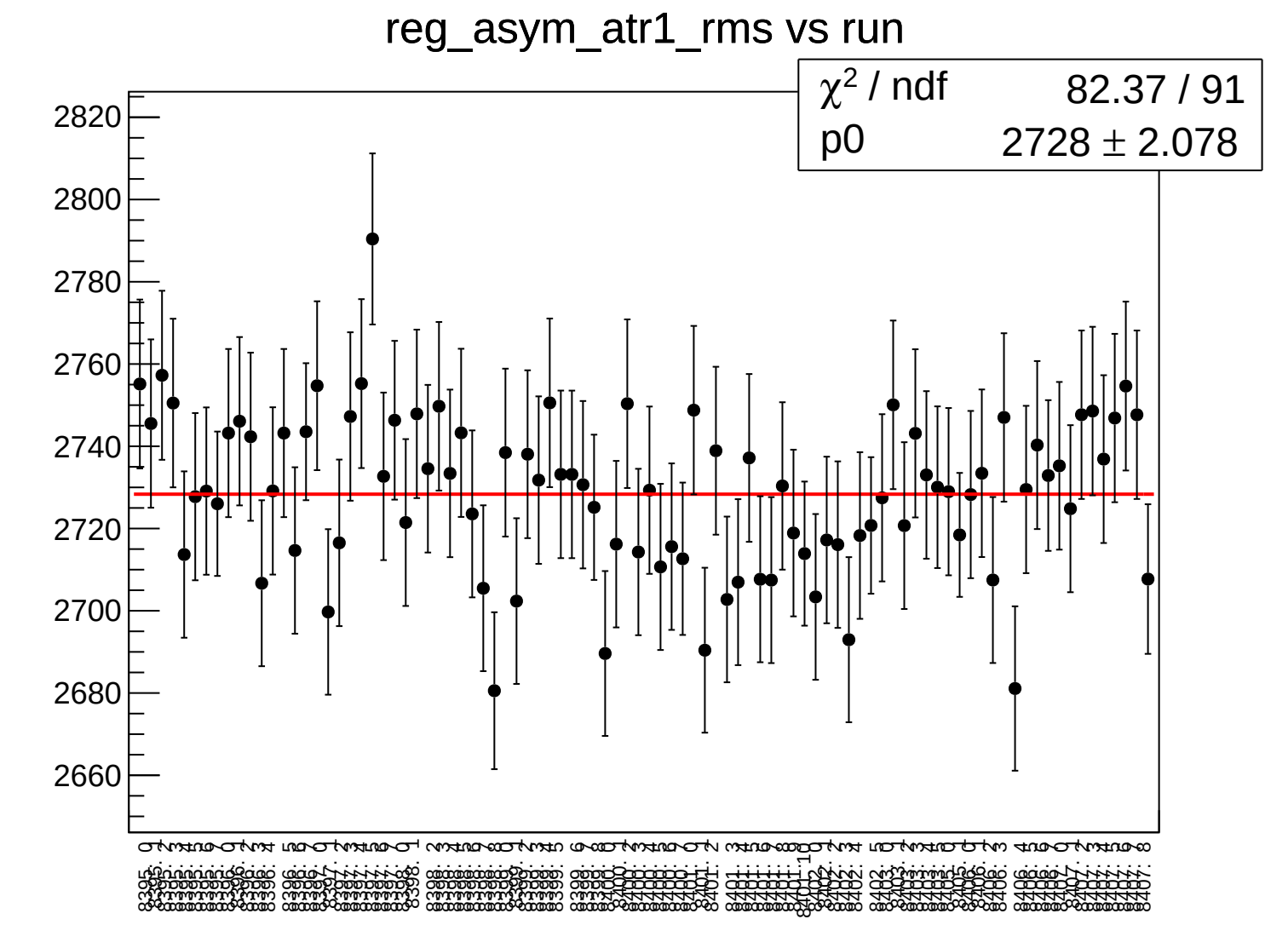

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.349e+04 / 91
p0 184.2 ± 0.1425
550
500
450
400
350
300
250
200
150
100

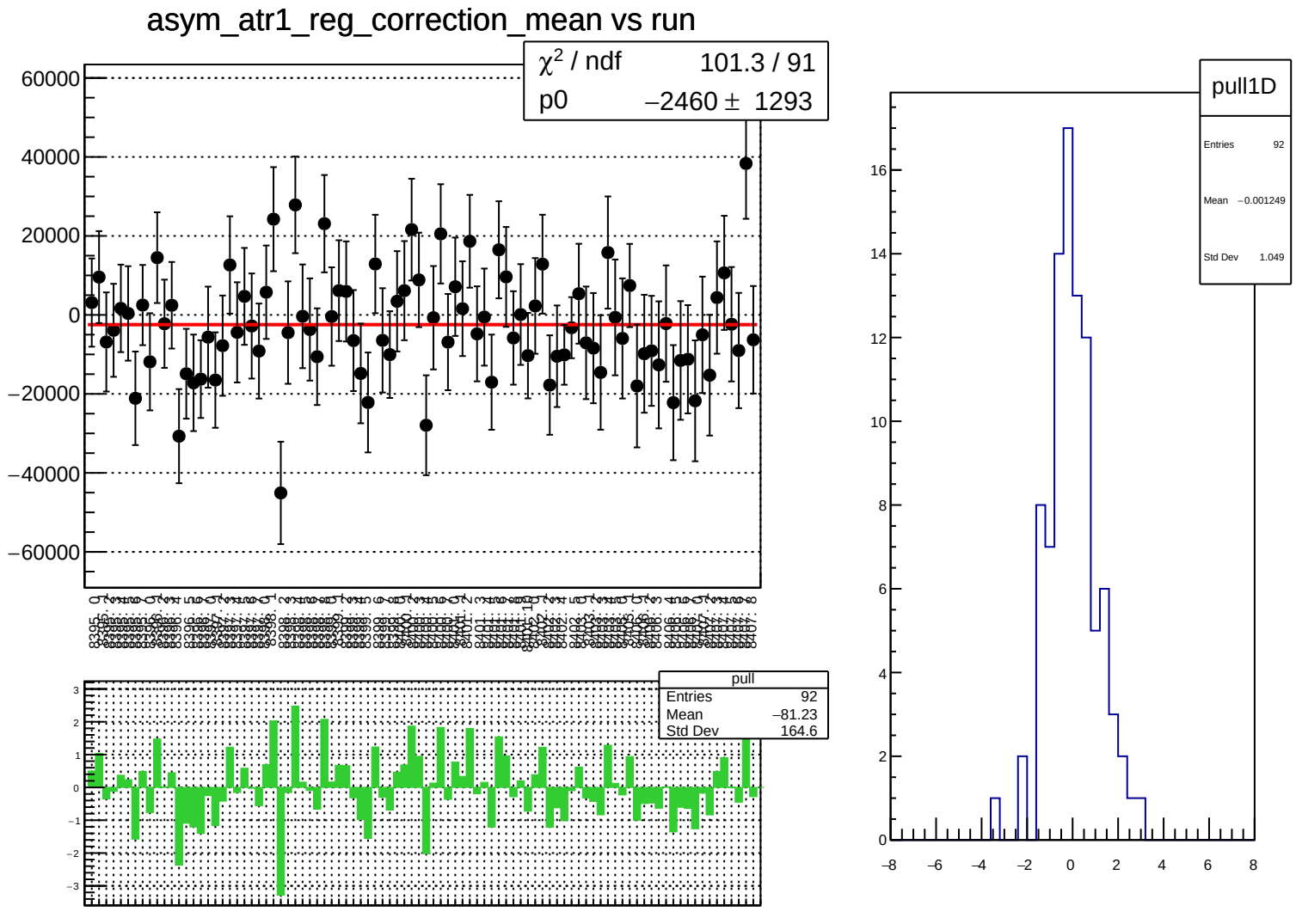

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 93.45 / 91
p0 −6.182e−13 ± 5.798e−13
0.1
0.05
0
−0.05
−0.1
pull
Entries 92
Mean 70.68
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.1123
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

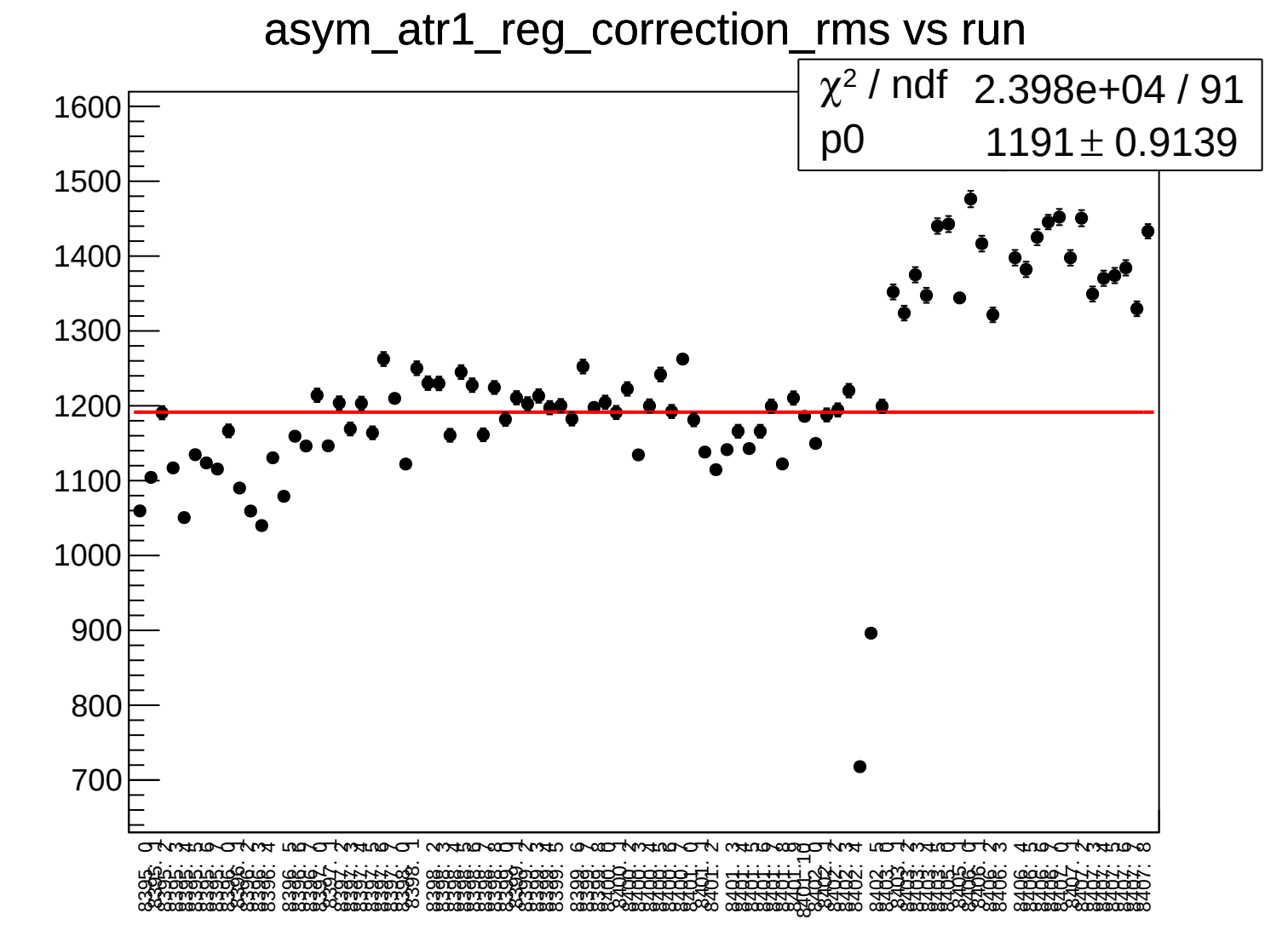

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.807e+05 / 91
p0 4.383e−10 ± 4.1e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5

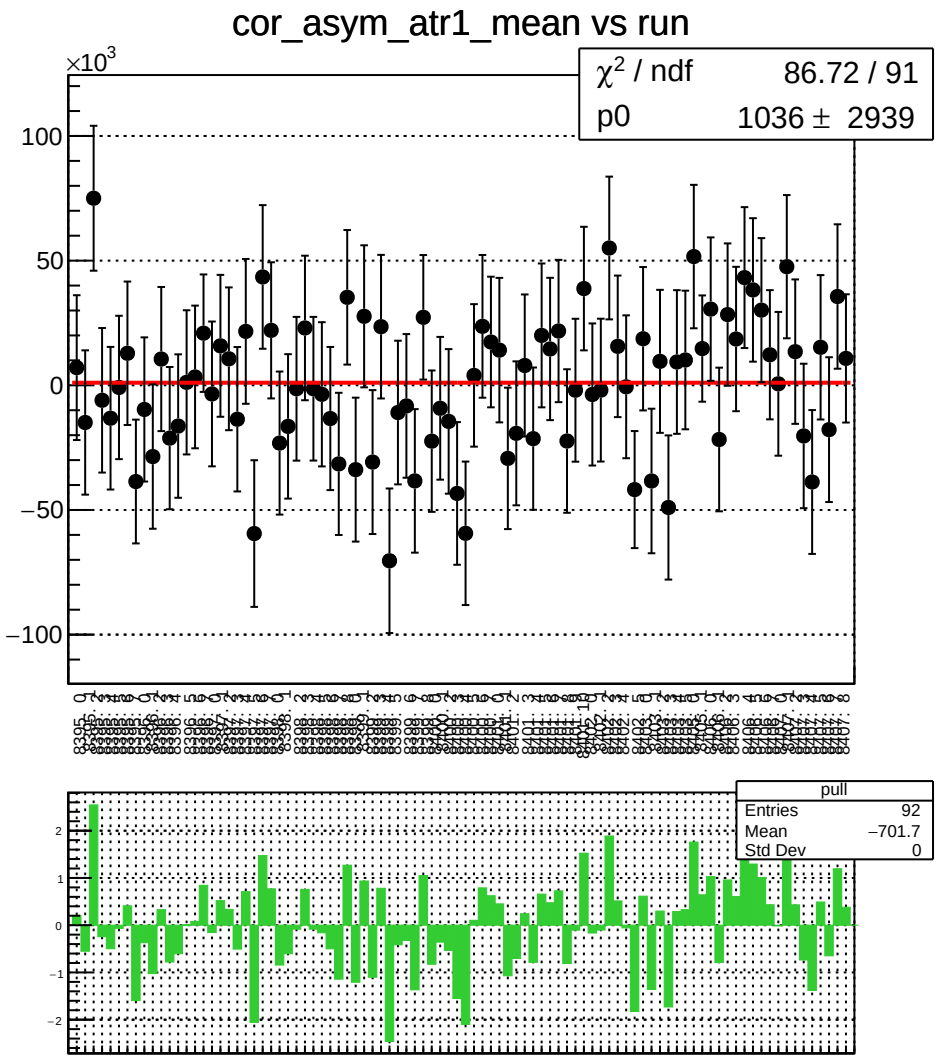

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 86.72 / 91
p0 1037 ± 2939
100
50
0
−50
−100
pull
Entries 92
Mean −701.8
Std Dev 0
2
1
0
−1
−2

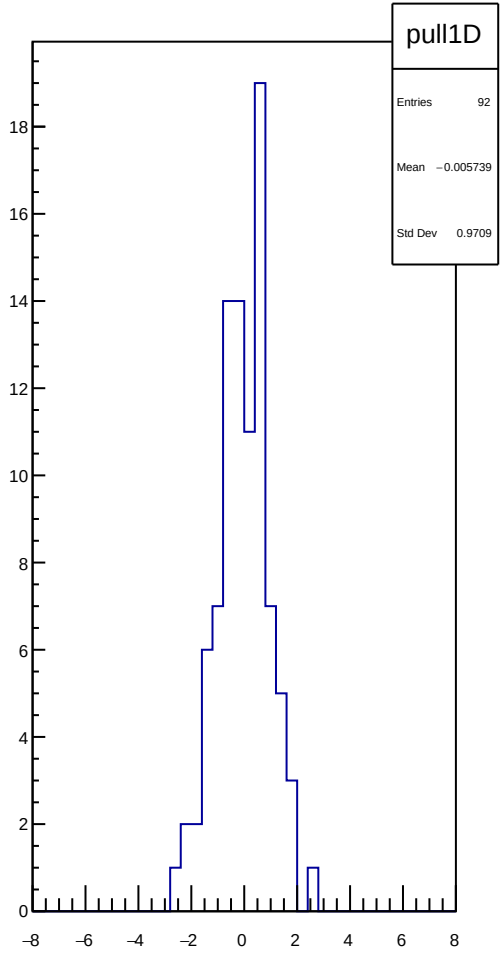

pull1D
Entries 92
Mean −0.005738
Std Dev 0.9709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

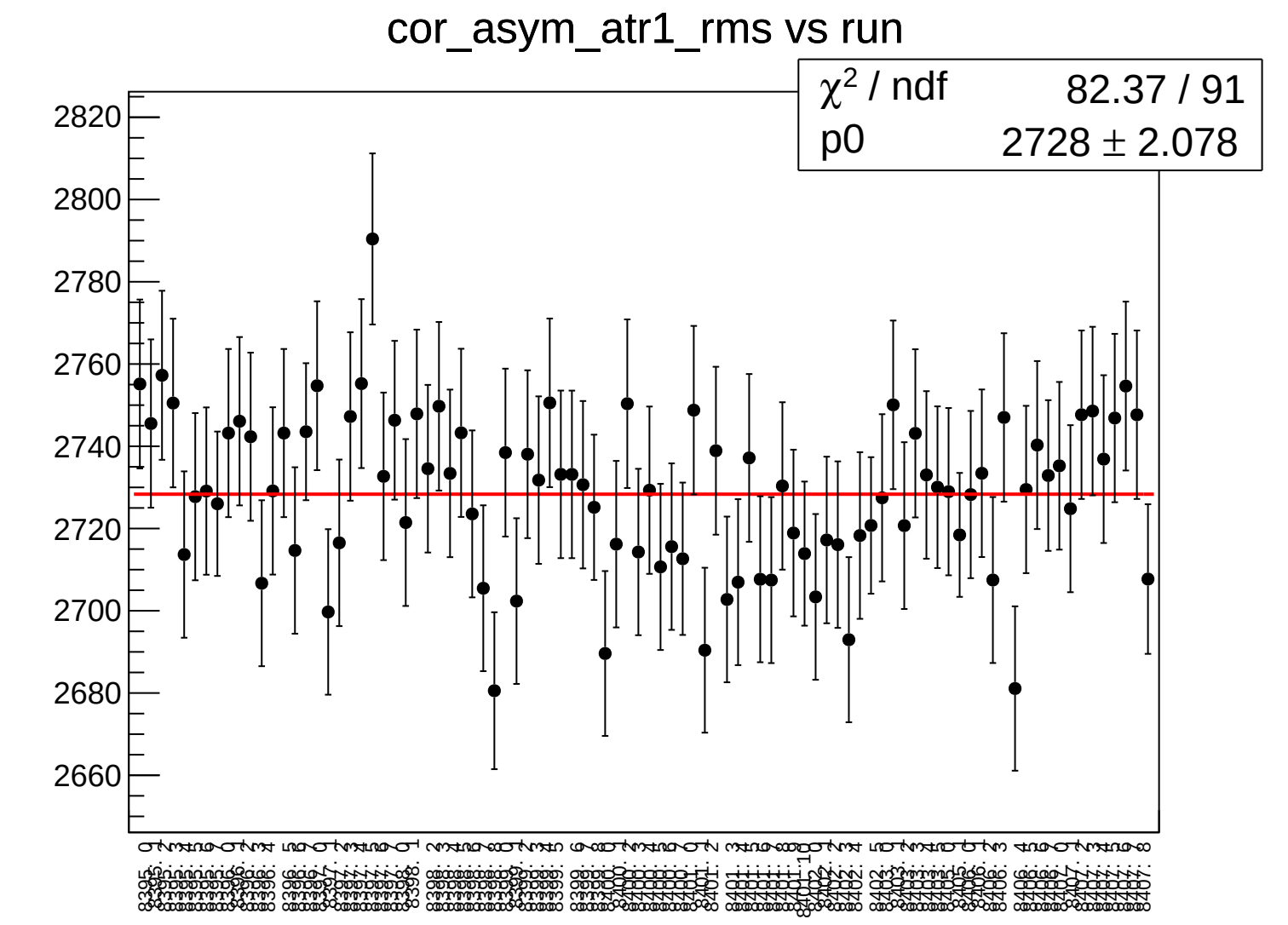

reg_asym_atr1_rms vs run
$\chi^2$ / ndf 82.37 / 91
p0 2728 ± 2.078
2820
2800
2780
2760
2740
2720
2700
2680
2660

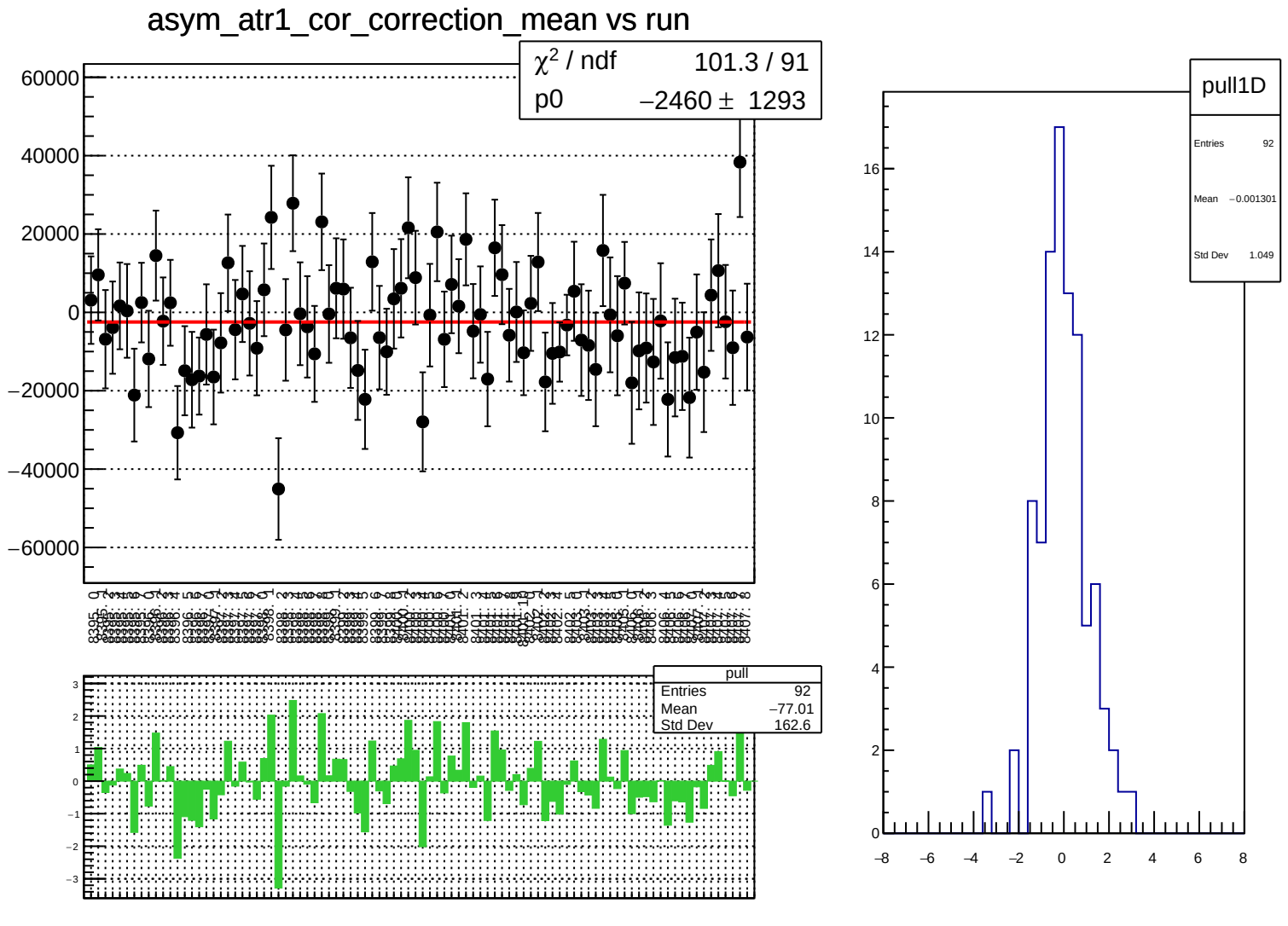

asym_atr1_reg_correction_mean vs run
χ² / ndf 101.3 / 91
p0 −2460 ± 1293
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −81.23
Std Dev 164.6
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.001249
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

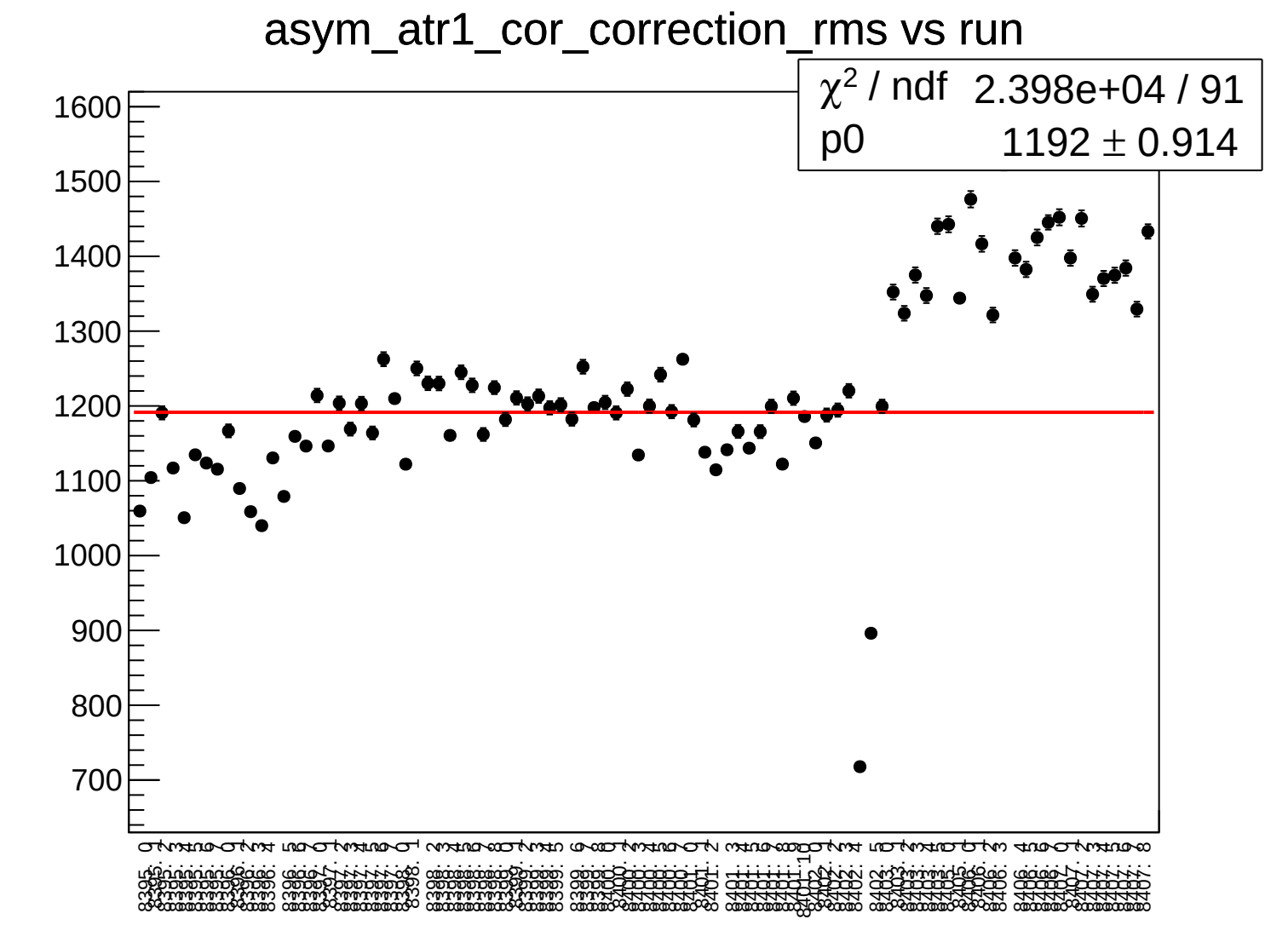

asym_atr1_reg_correction_rms vs run
χ² / ndf 2.398e+04 / 91
p0 1191 ± 0.9139
1600
1500
1400
1300
1200
1100
1000
900
800
700

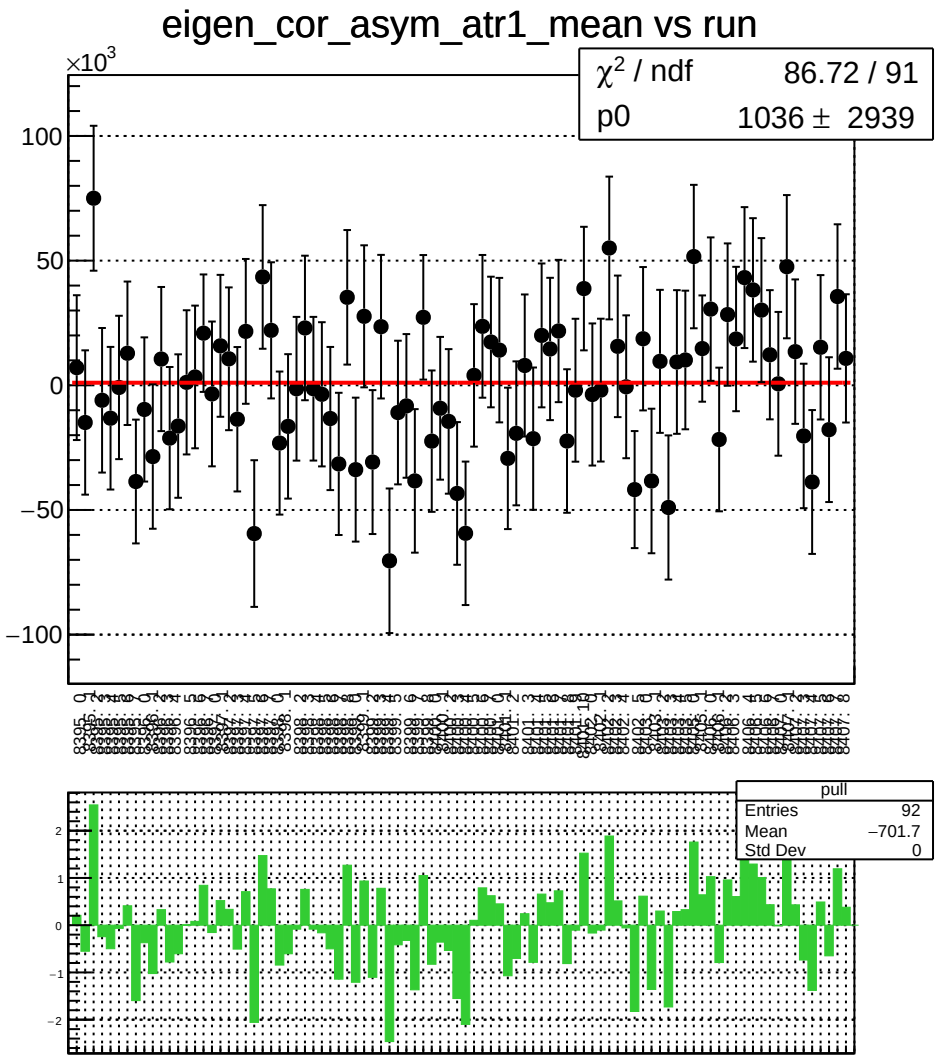

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 86.72 / 91
p0 1036 ± 2939
100
50
0
−50
−100
pull
Entries 92
Mean −701.7
Std Dev 0
2
1
0
−1
−2

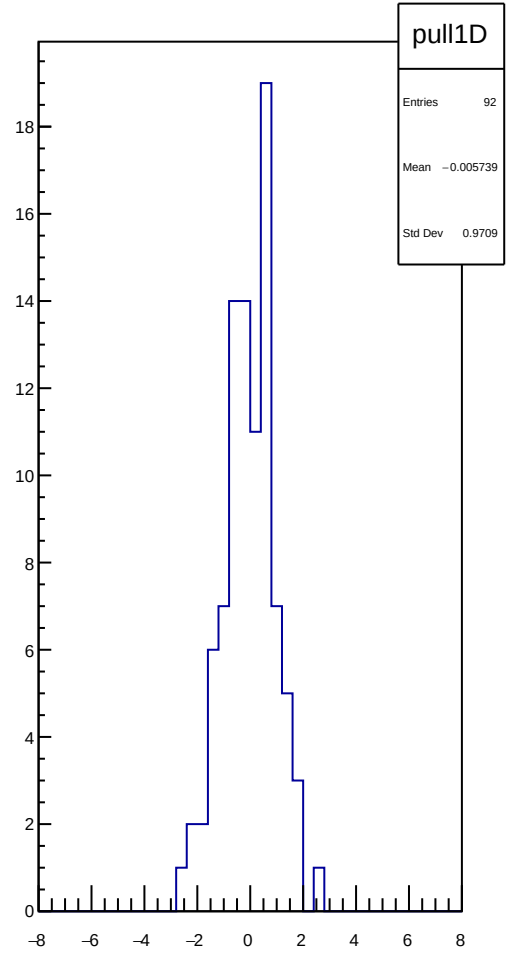

pull1D
Entries 92
Mean −0.005739
Std Dev 0.9709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

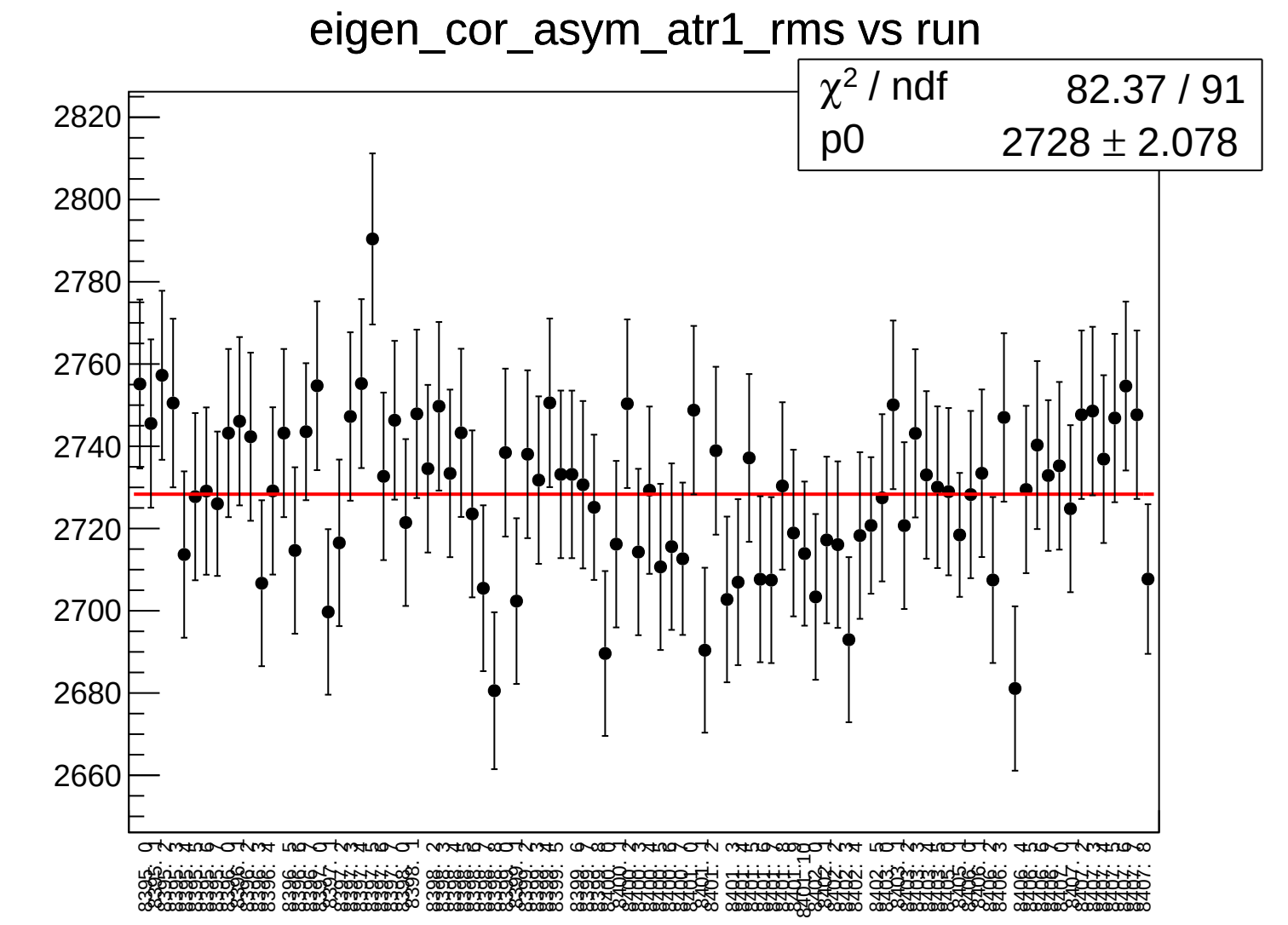

cor_asym_atr1_rms vs run
$\chi^2$ / ndf 82.37 / 91
p0 2728 ± 2.078
2820
2800
2780
2760
2740
2720
2700
2680
2660

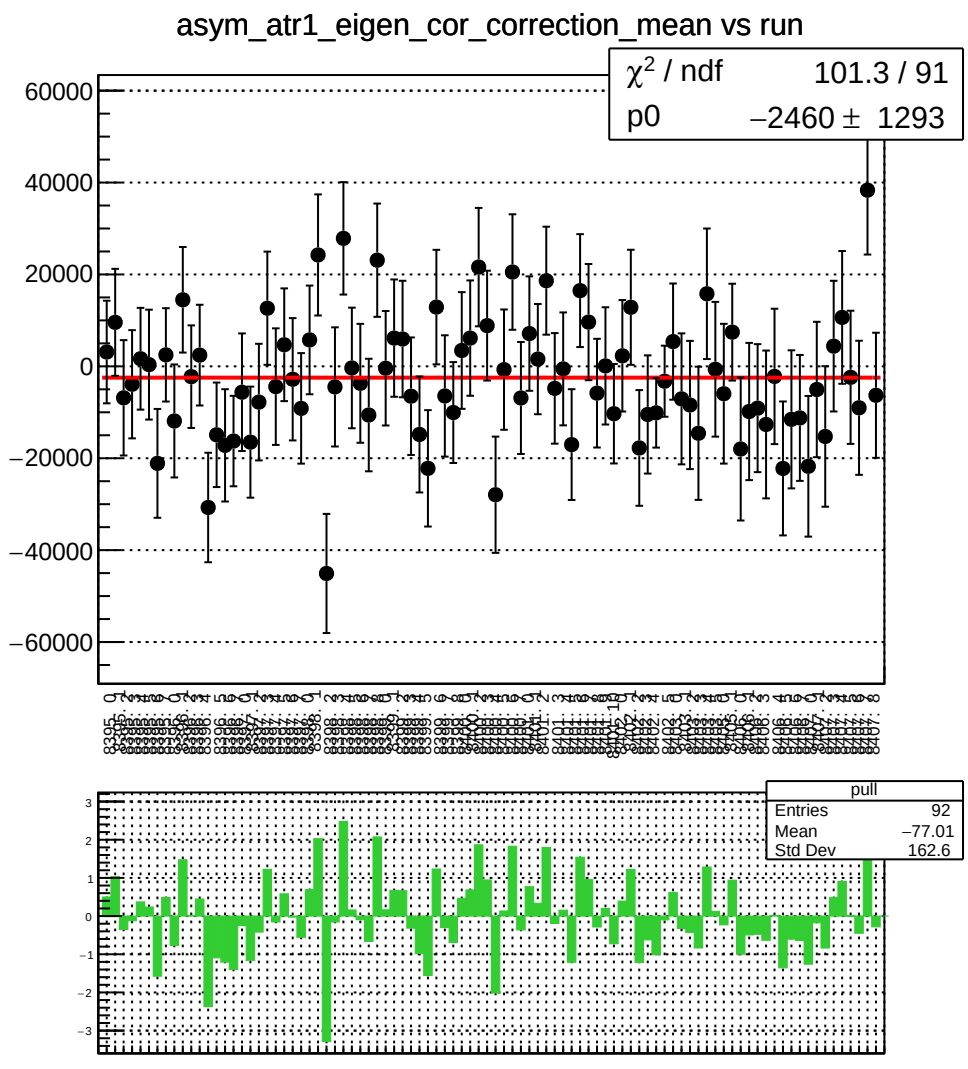

asym_atr1_cor_correction_mean vs run
χ² / ndf 101.3 / 91
p0 −2460 ± 1293
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −77.01
Std Dev 162.6
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.001301
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

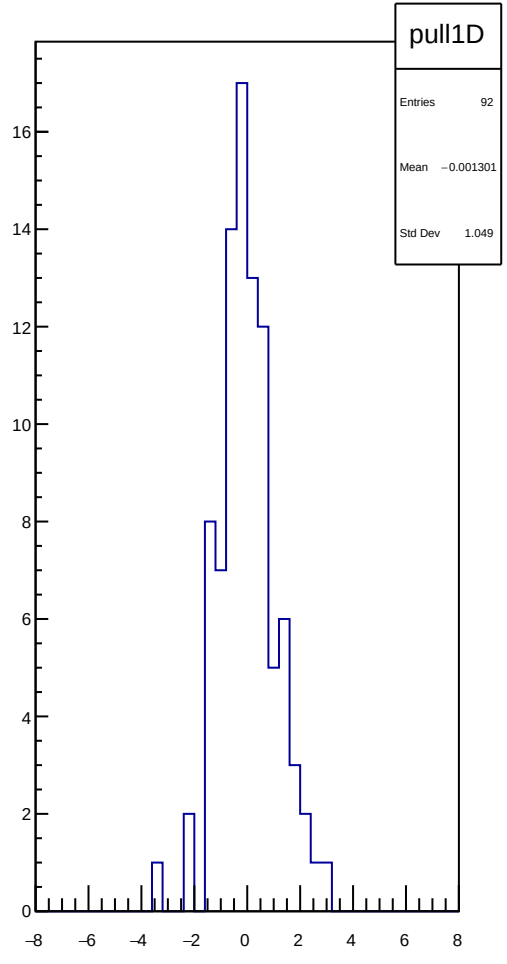

asym_atr1_cor_correction_rms vs run
χ² / ndf 2.398e+04 / 91
p0 1192 ± 0.914
1600
1500
1400
1300
1200
1100
1000
900
800
700

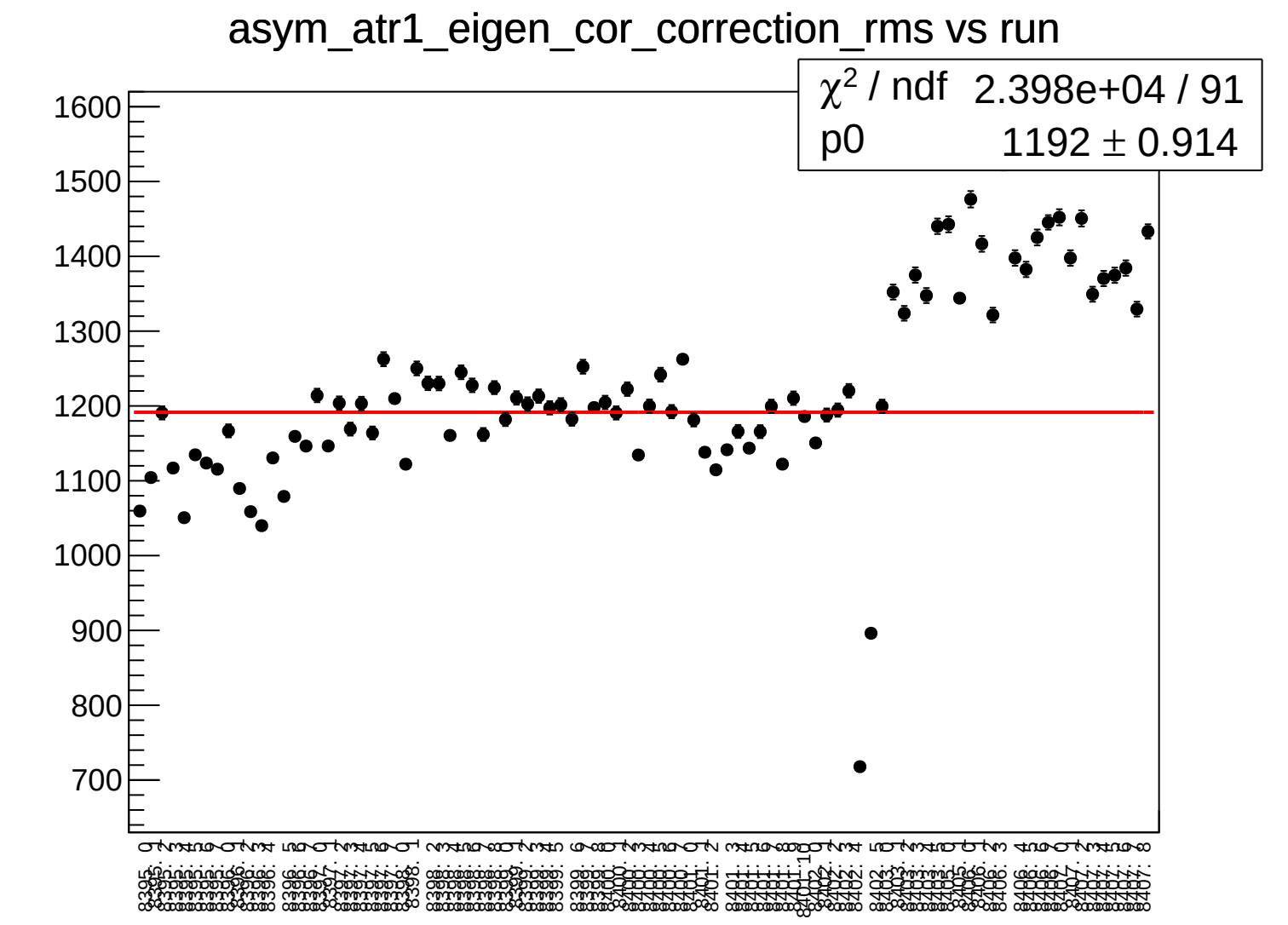

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 86.72 / 91
p0 1036 ± 2939
100
50
0
−50
−100
pull
Entries 92
Mean −701.7
Std Dev 0
2
1
0
−1
−2

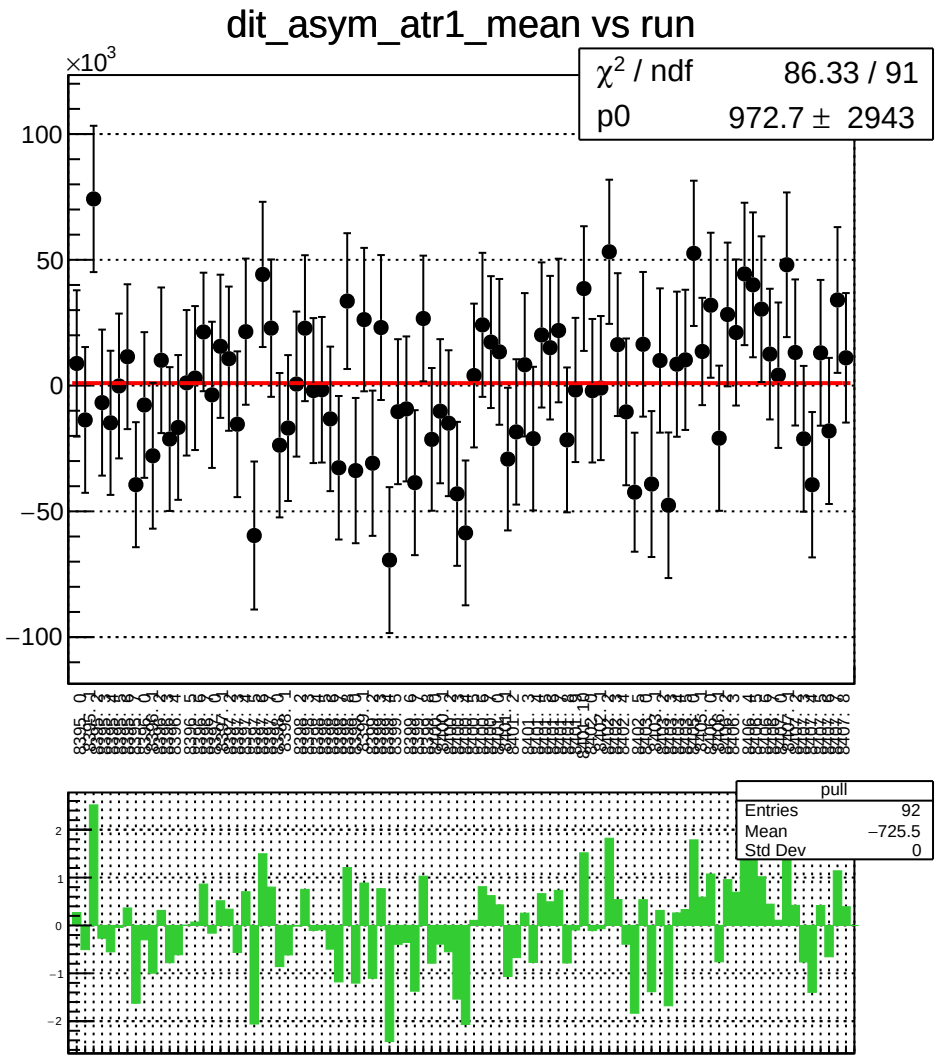

pull1D
Entries 92
Mean −0.005739
Std Dev 0.9709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

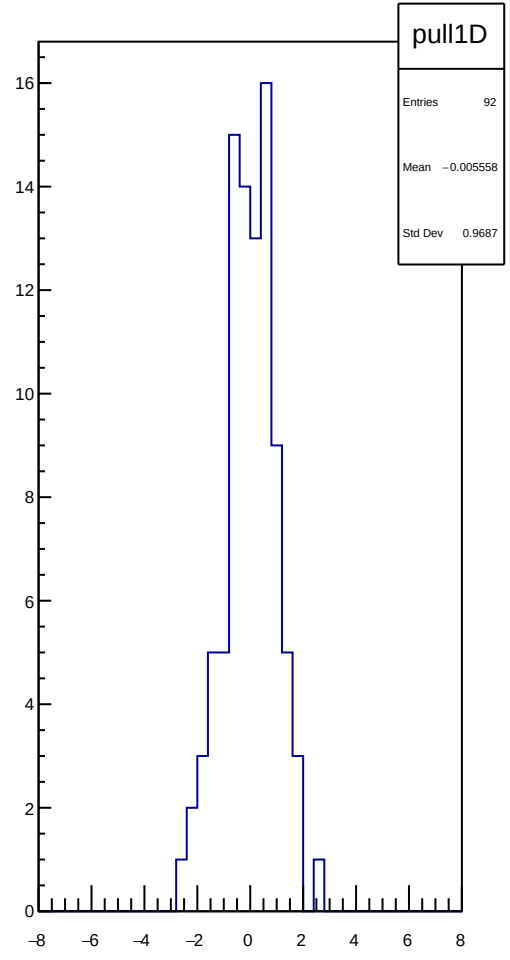

eigen_cor_asym_atr1_rms vs run
$\chi^2$ / ndf 82.37 / 91
p0 2728 ± 2.078
2820
2800
2780
2760
2740
2720
2700
2680
2660

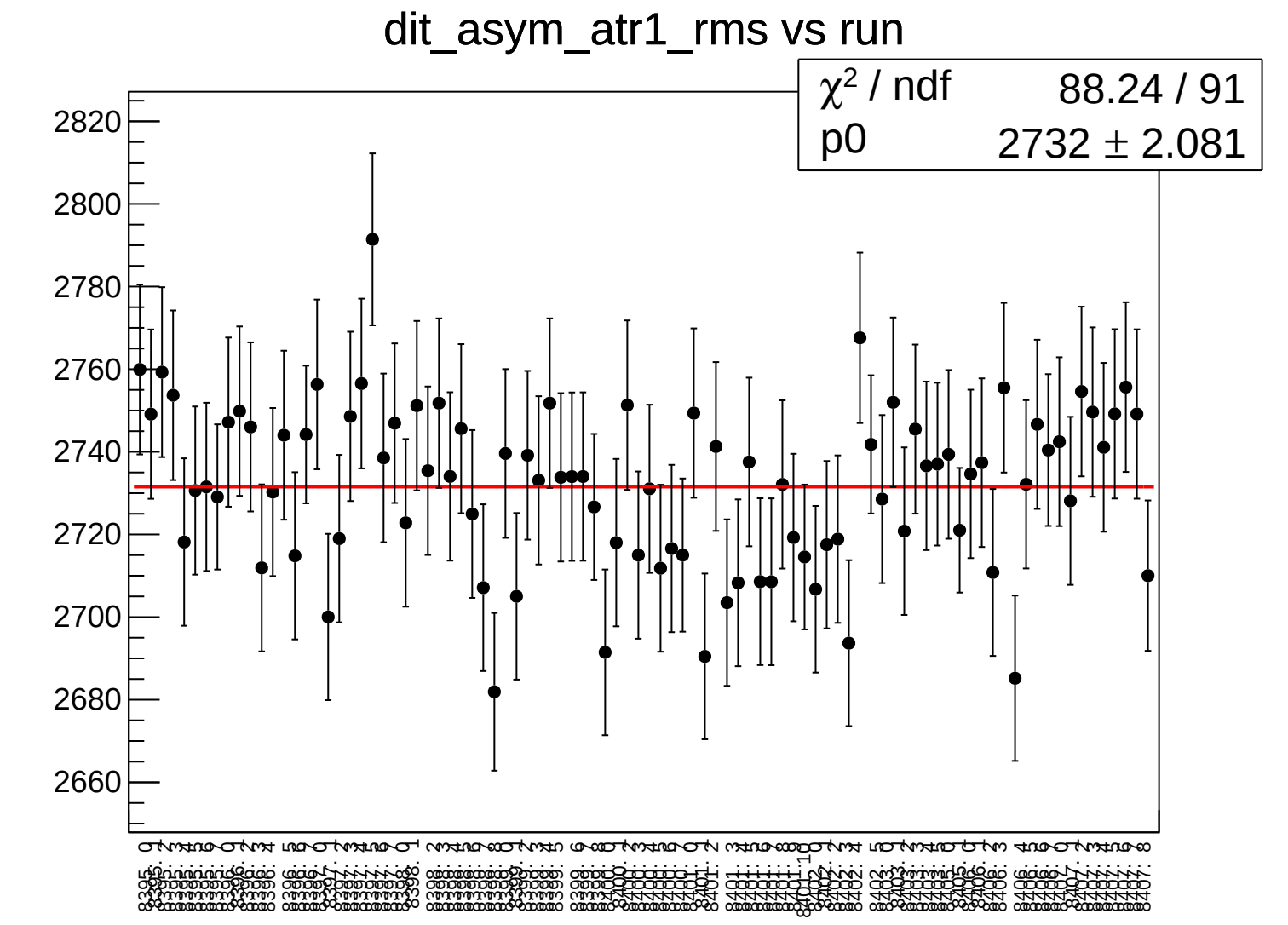

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 101.3 / 91
p0 −2460 ± 1293
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −77.01
Std Dev 162.6
3
2
1
0
−1
−2
−3

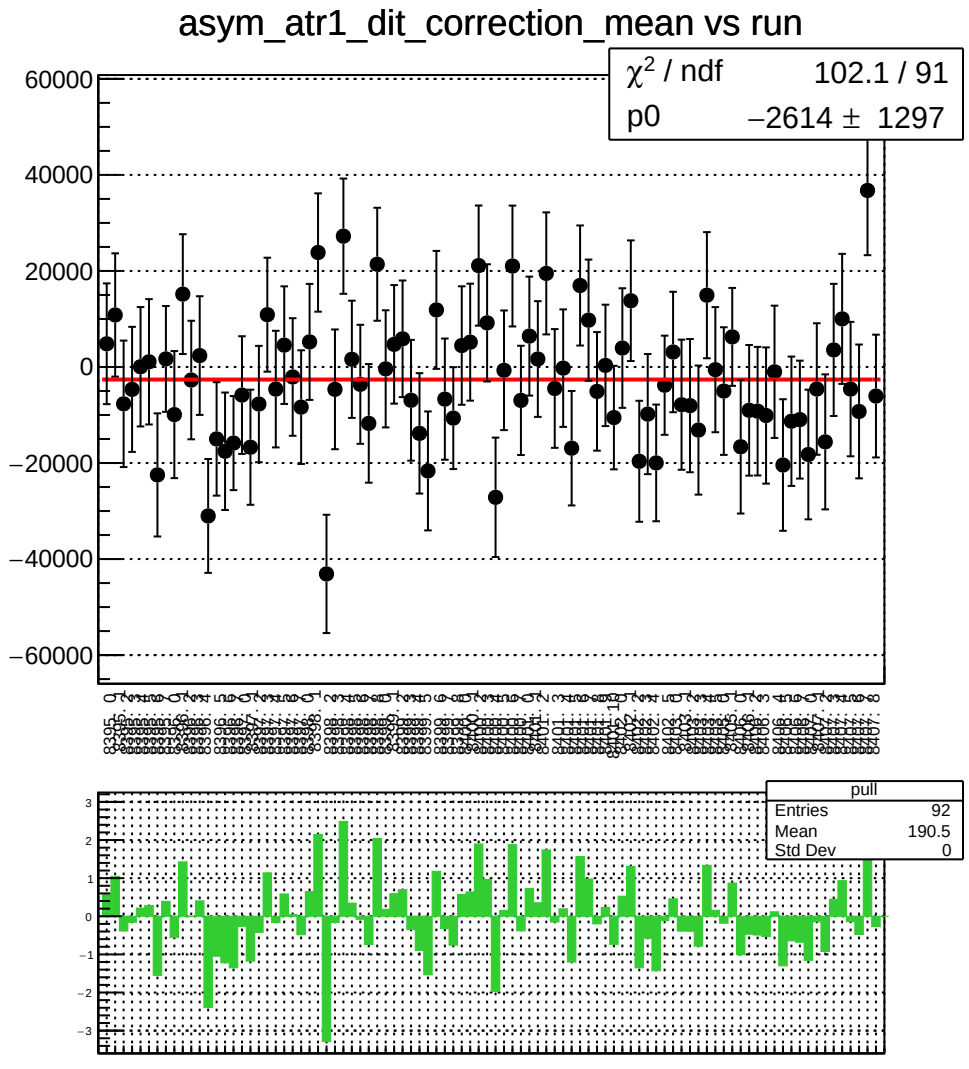

pull1D
Entries 92
Mean −0.001301
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

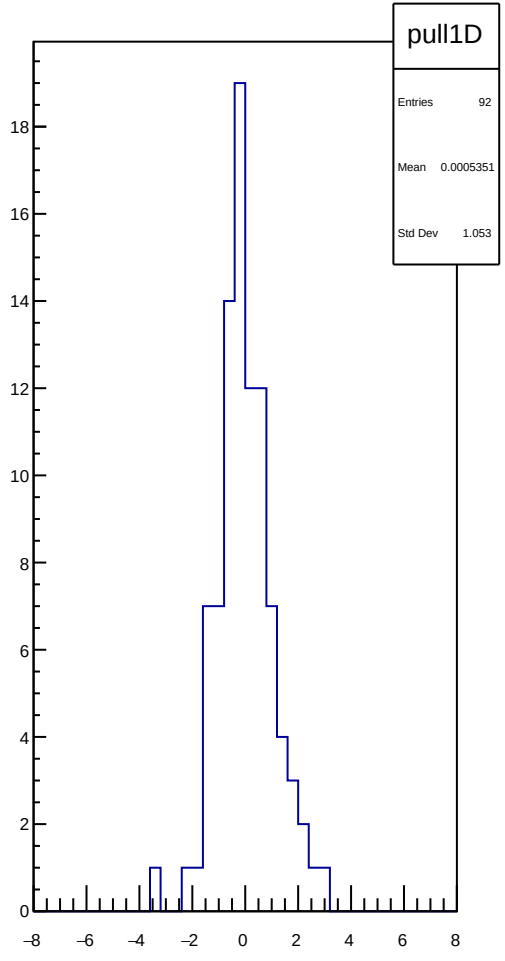

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 2.398e+04 / 91
p0 1192 ± 0.914
1600
1500
1400
1300
1200
1100
1000
900
800
700

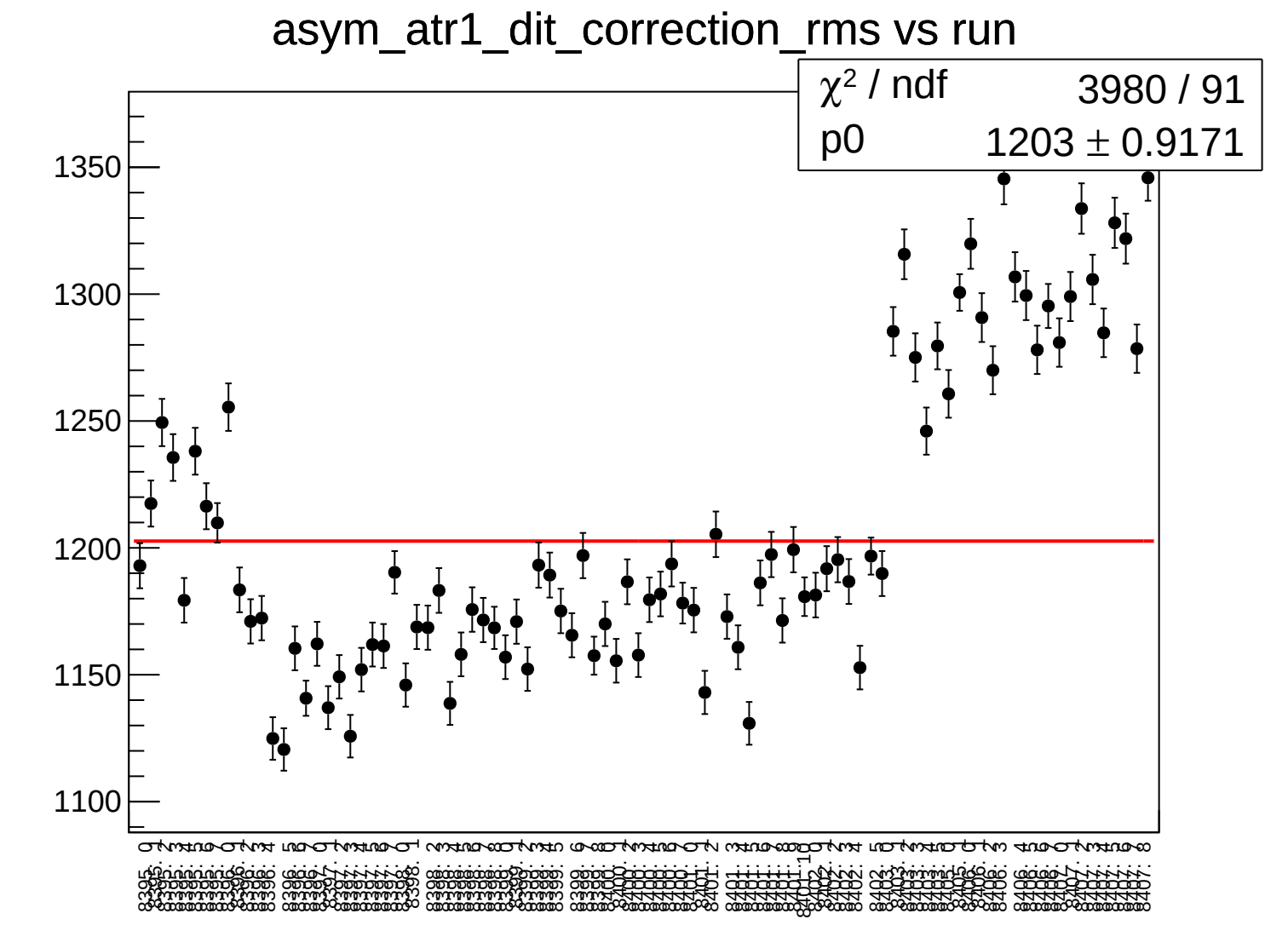

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 86.33 / 91
p0 972.7 ± 2943
100
50
0
−50
−100
pull
Entries 92
Mean −725.5
Std Dev 0
2
1
0
−1
−2

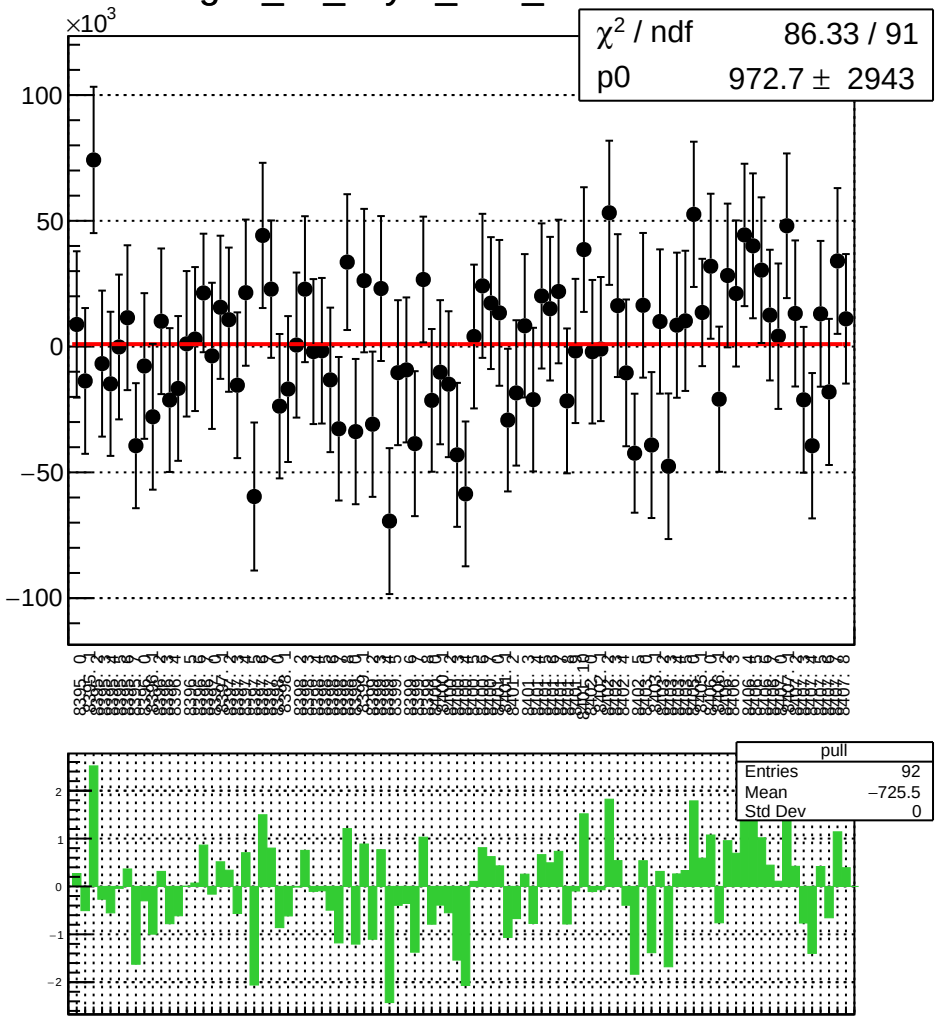

pull1D
Entries 92
Mean −0.005558
Std Dev 0.9687
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

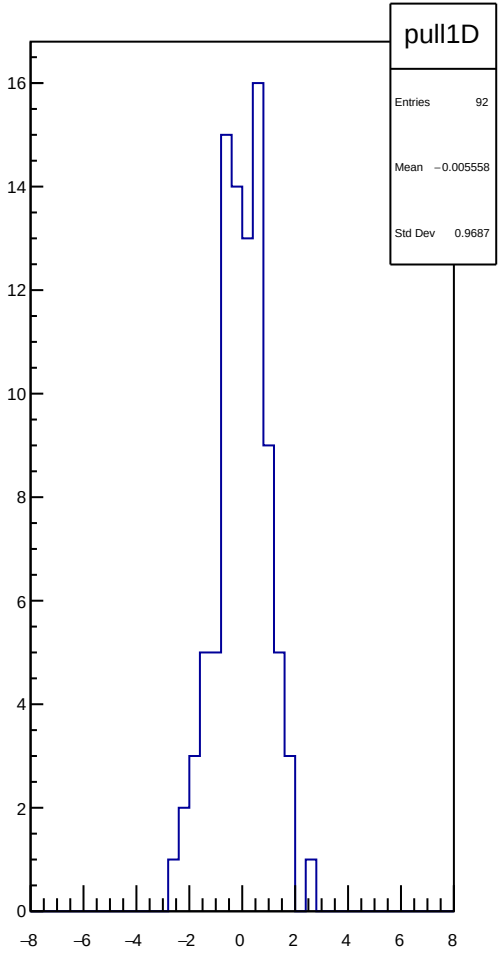

dit_asym_atr1_rms vs run
χ² / ndf 88.24 / 91
p0 2732 ± 2.081
2820
2800
2780
2760
2740
2720
2700
2680
2660

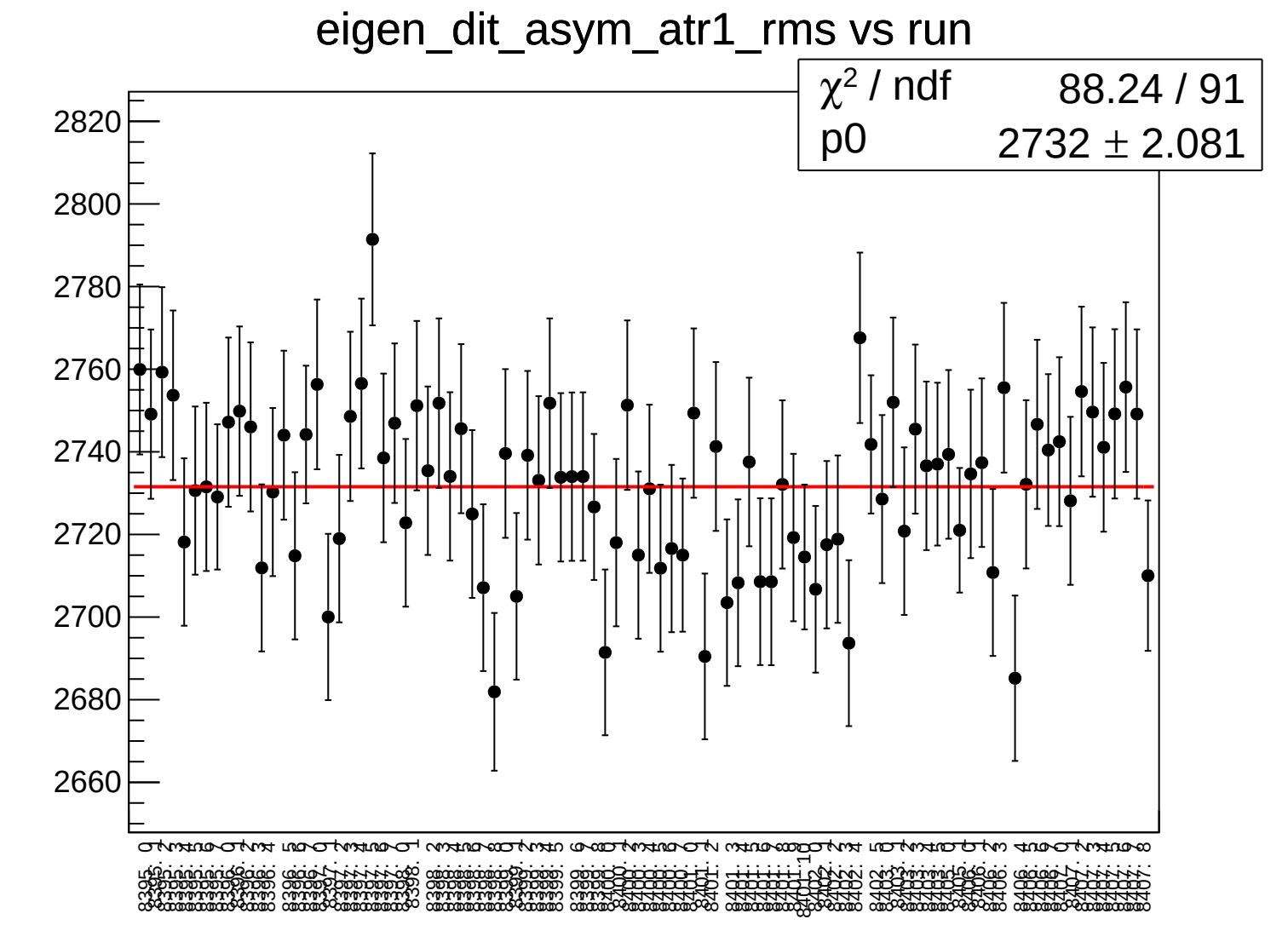

asym_atr1_dit_correction_mean vs run
χ² / ndf 102.1 / 91
p0 −2614 ± 1297
pull
Entries 92
Mean 190.5
Std Dev 0

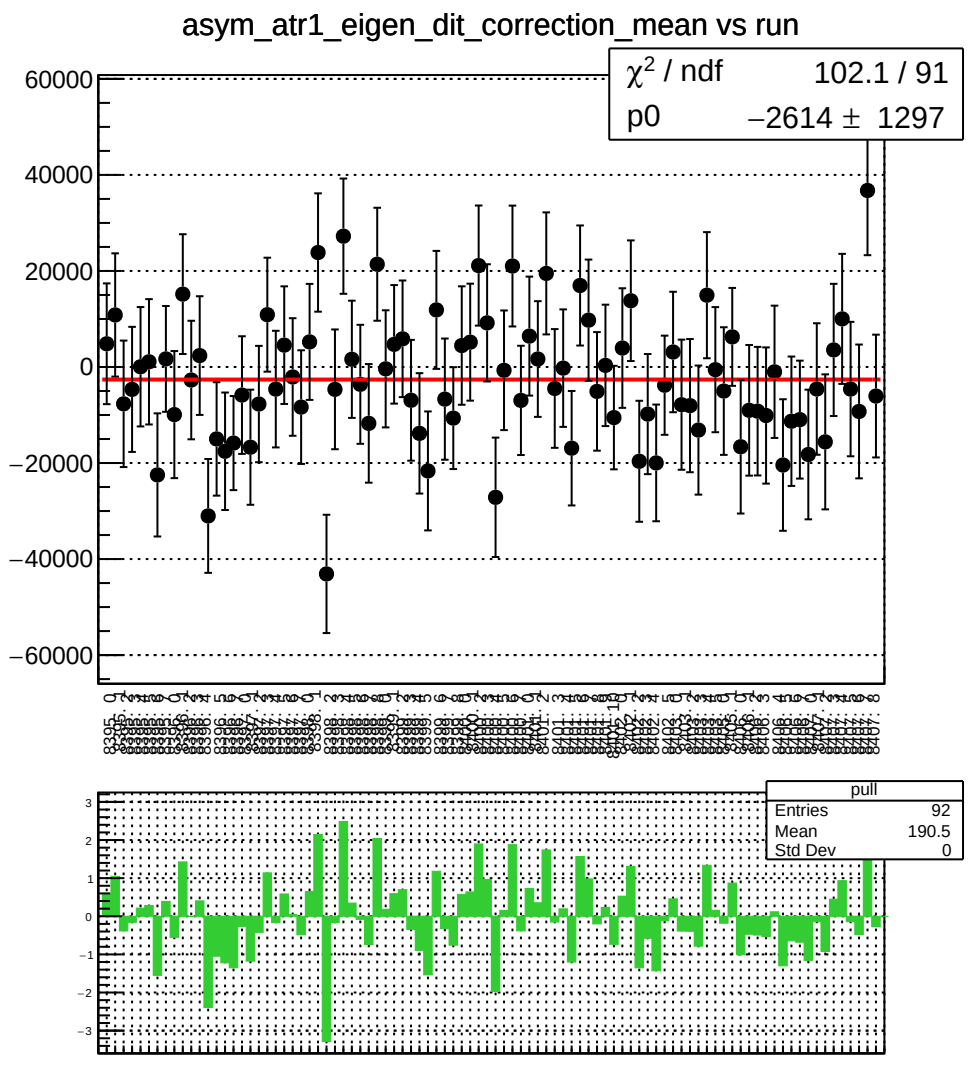

pull1D
Entries 92
Mean 0.0005351
Std Dev 1.053

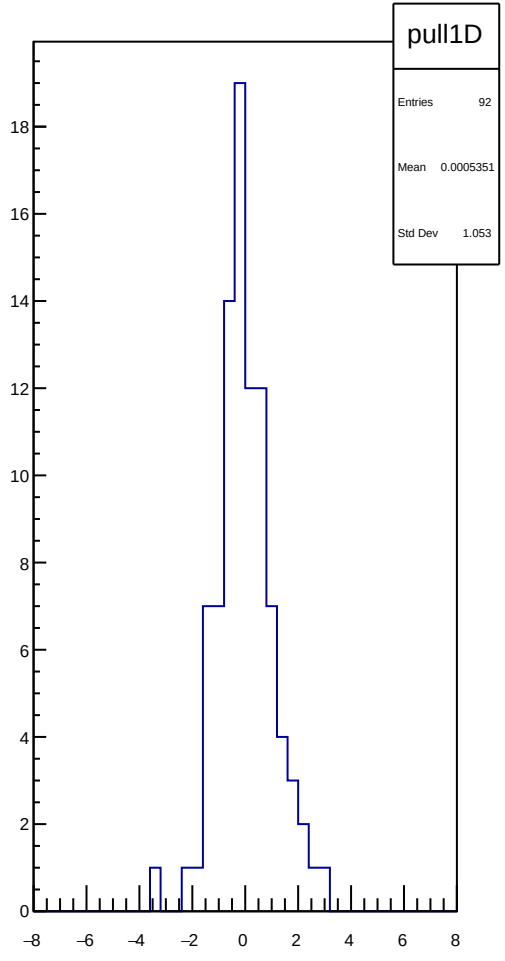

asym_atr1_dit_correction_rms vs run
χ² / ndf 3980 / 91
p0 1203 ± 0.9171
1350
1300
1250
1200
1150
1100

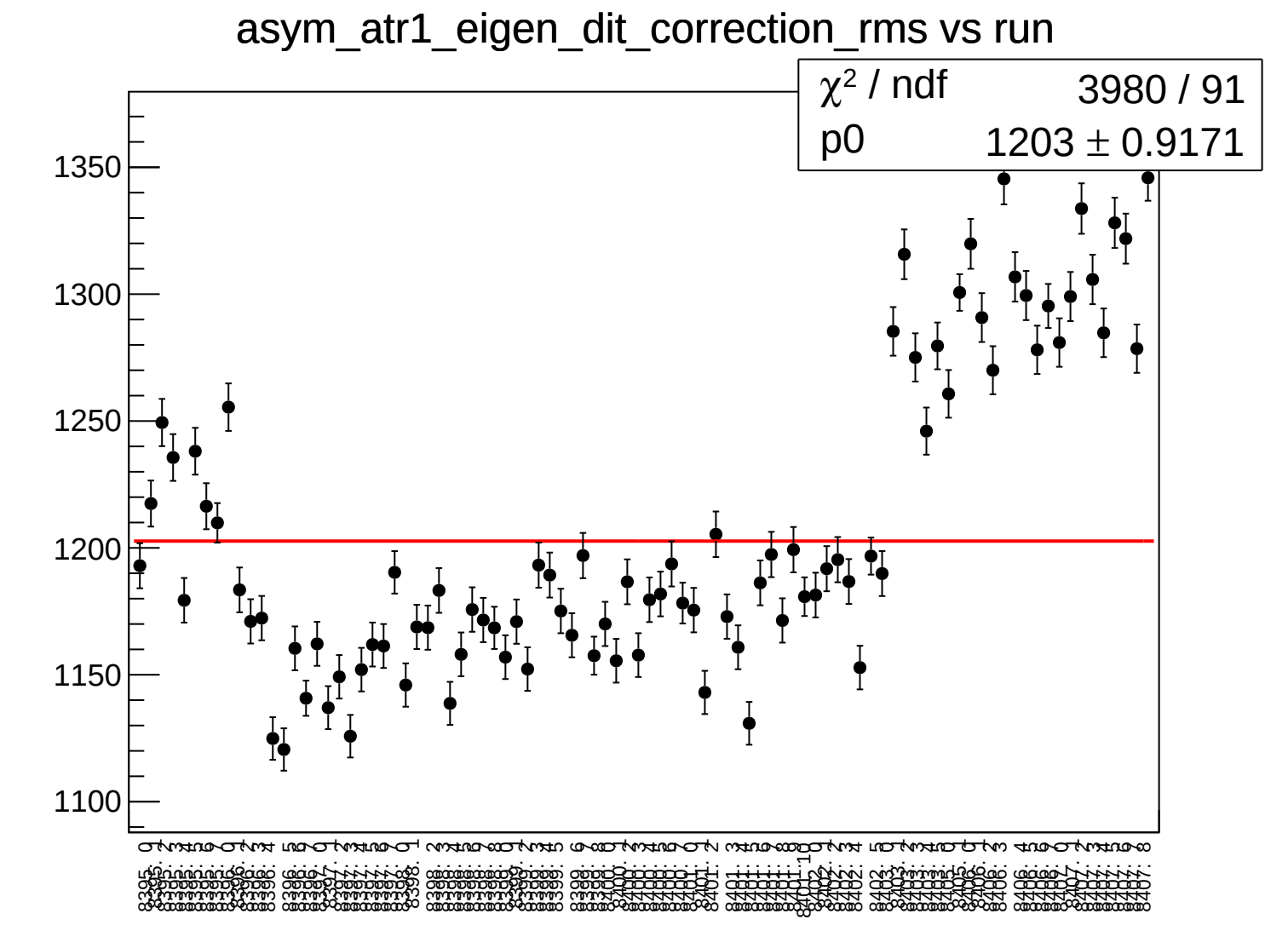

eigen_dit_asym_atr1_mean vs run
χ² / ndf 86.33 / 91
p0 972.7 ± 2943
×10³
pull
Entries 92
Mean −725.5
Std Dev 0

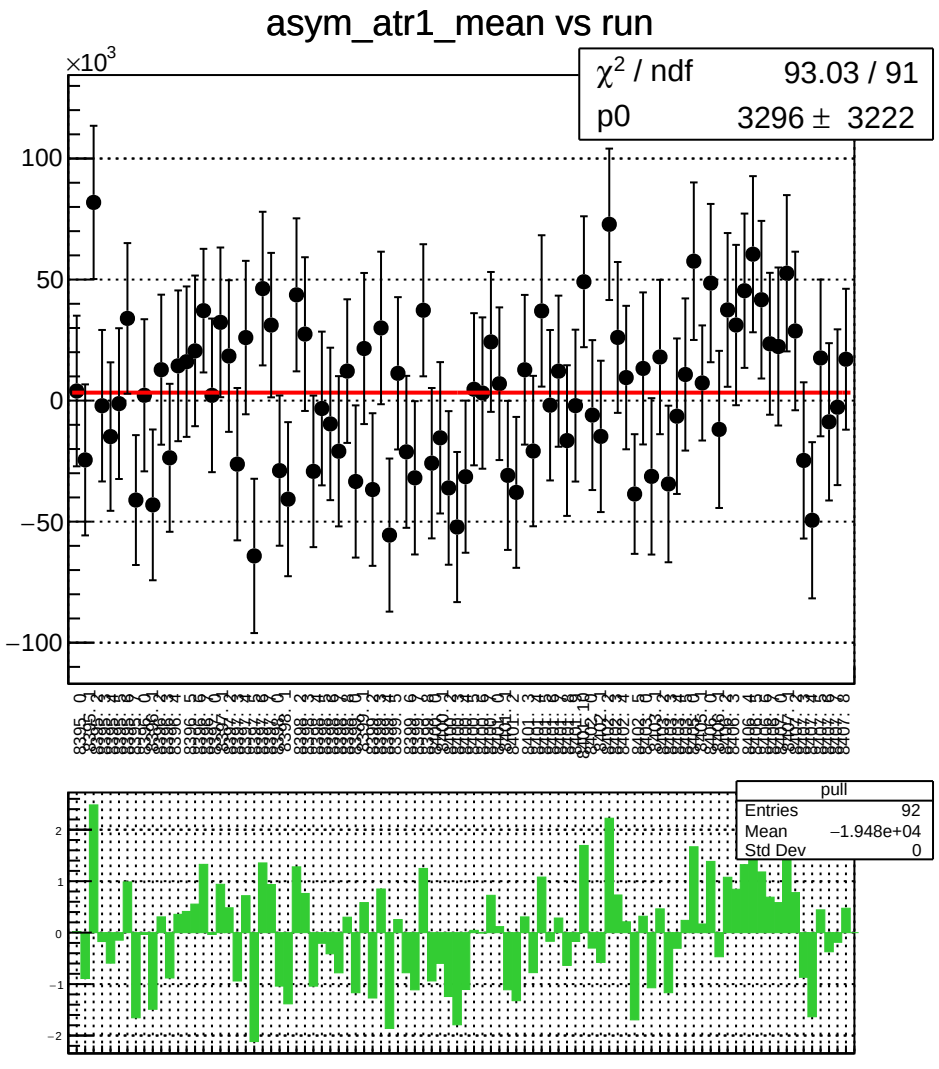

pull1D
Entries 92
Mean −0.005558
Std Dev 0.9687

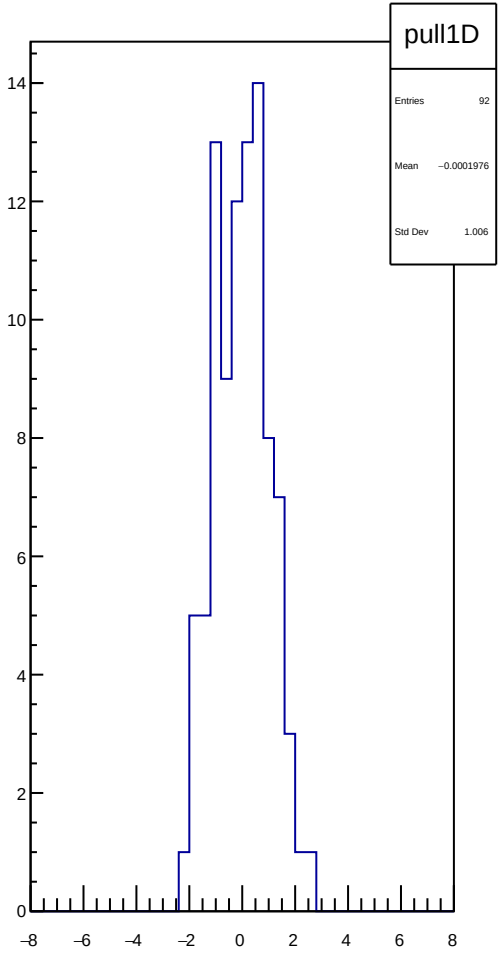

eigen_dit_asym_atr1_rms vs run
$\chi^2$ / ndf 88.24 / 91
p0 2732 ± 2.081
2820
2800
2780
2760
2740
2720
2700
2680
2660

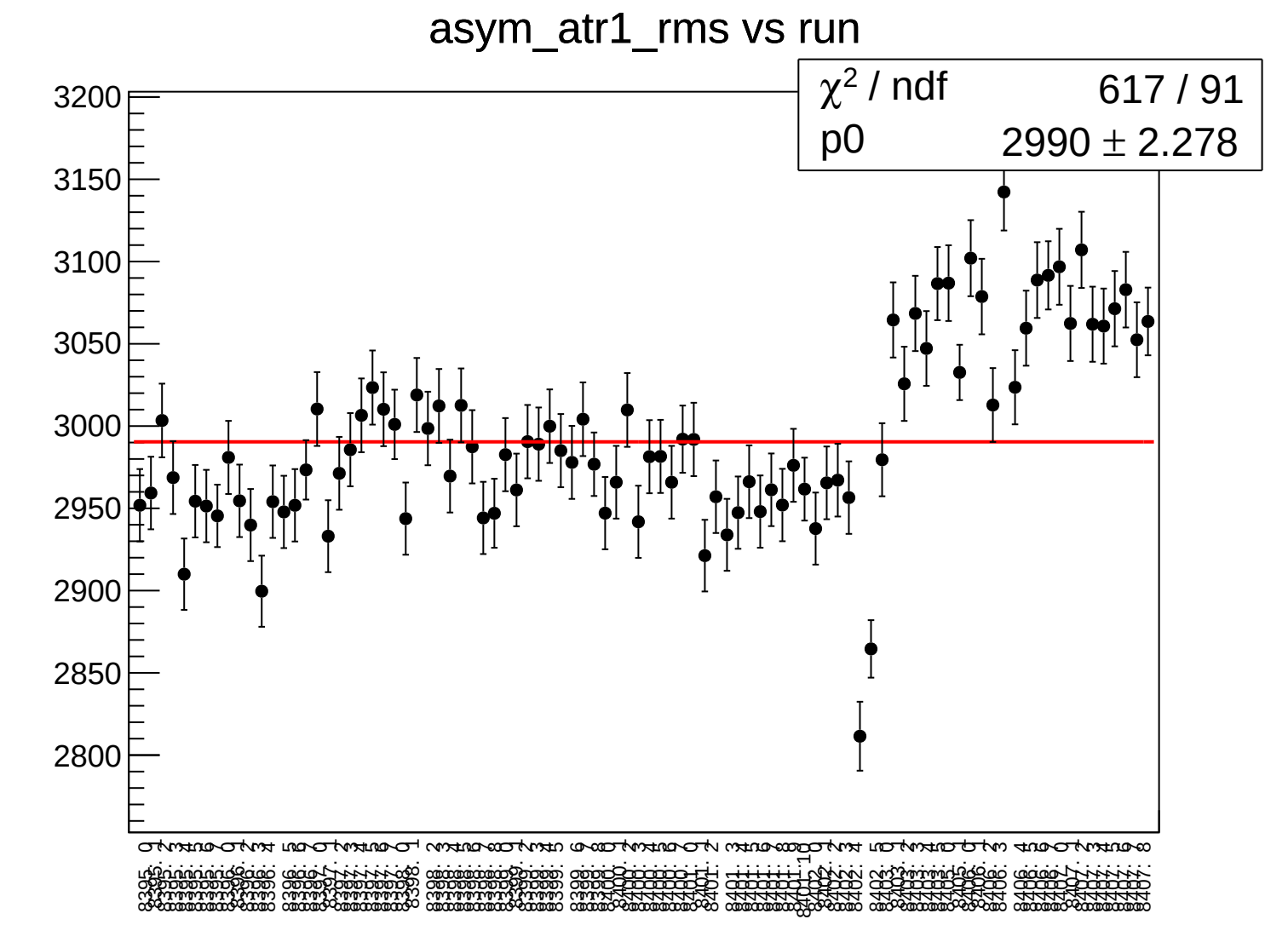

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 102.1 / 91
p0 −2614 ± 1297
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 190.5
Std Dev 0
3
2
1
0
−1
−2
−3

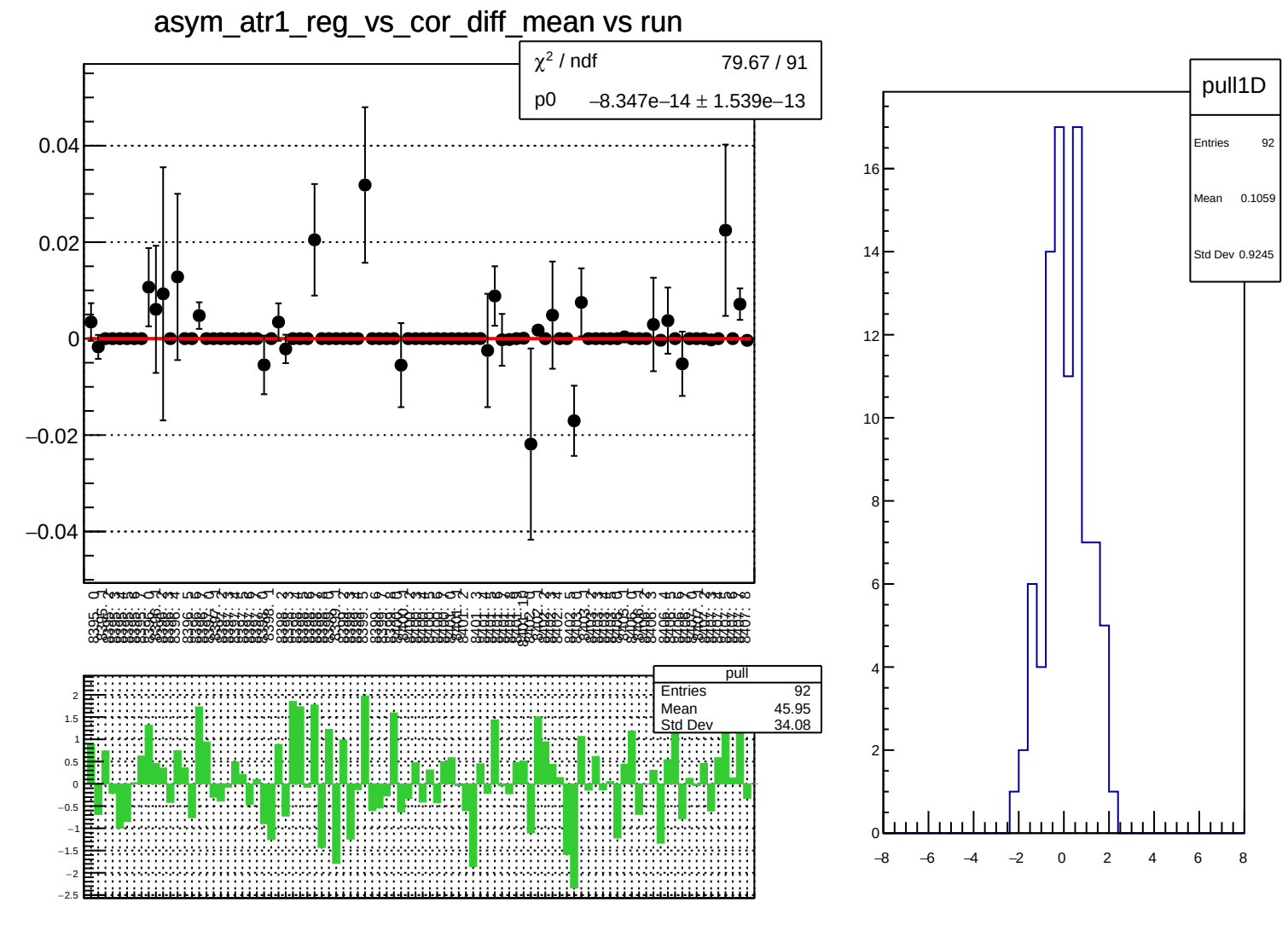

pull1D
Entries 92
Mean 0.0005351
Std Dev 1.053
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

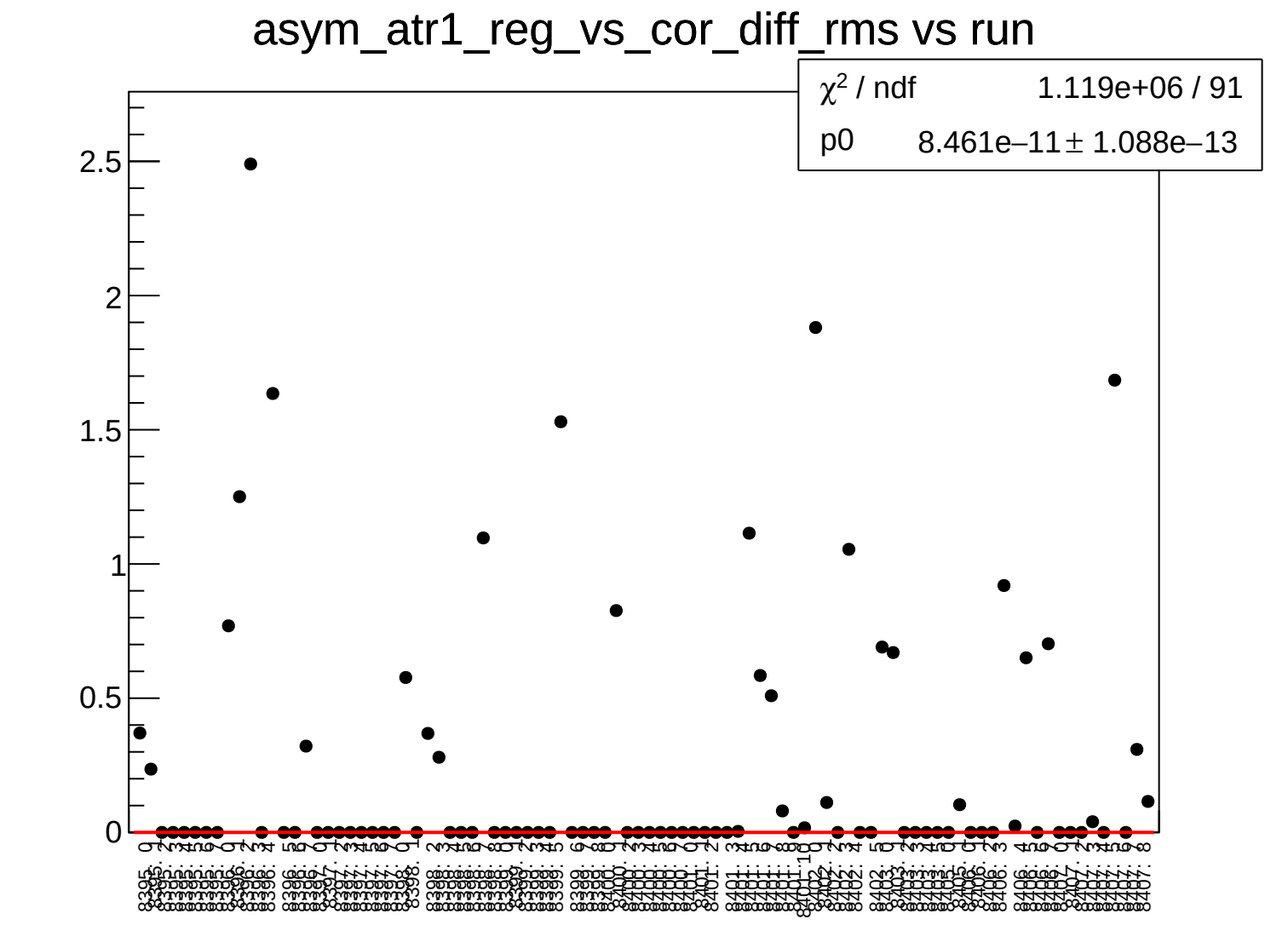

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 3980 / 91
p0 1203 ± 0.9171
1350
1300
1250
1200
1150
1100

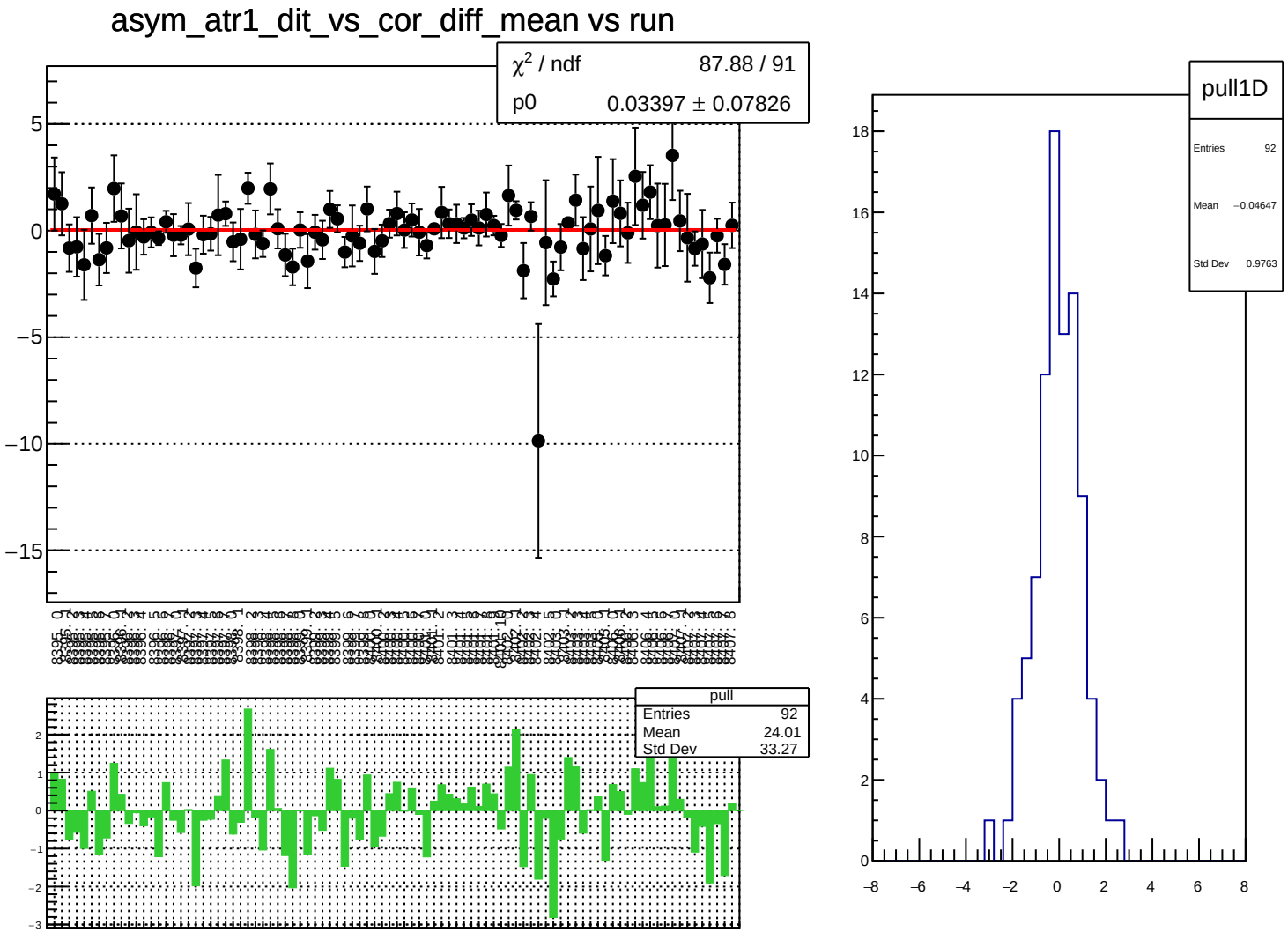

asym_atr1_mean vs run
×10^3
χ² / ndf 93.03 / 91
p0 3296 ± 3222
100
50
0
−50
−100
pull
Entries 92
Mean −1.948e+04
Std Dev 0
2
1
0
−1
−2

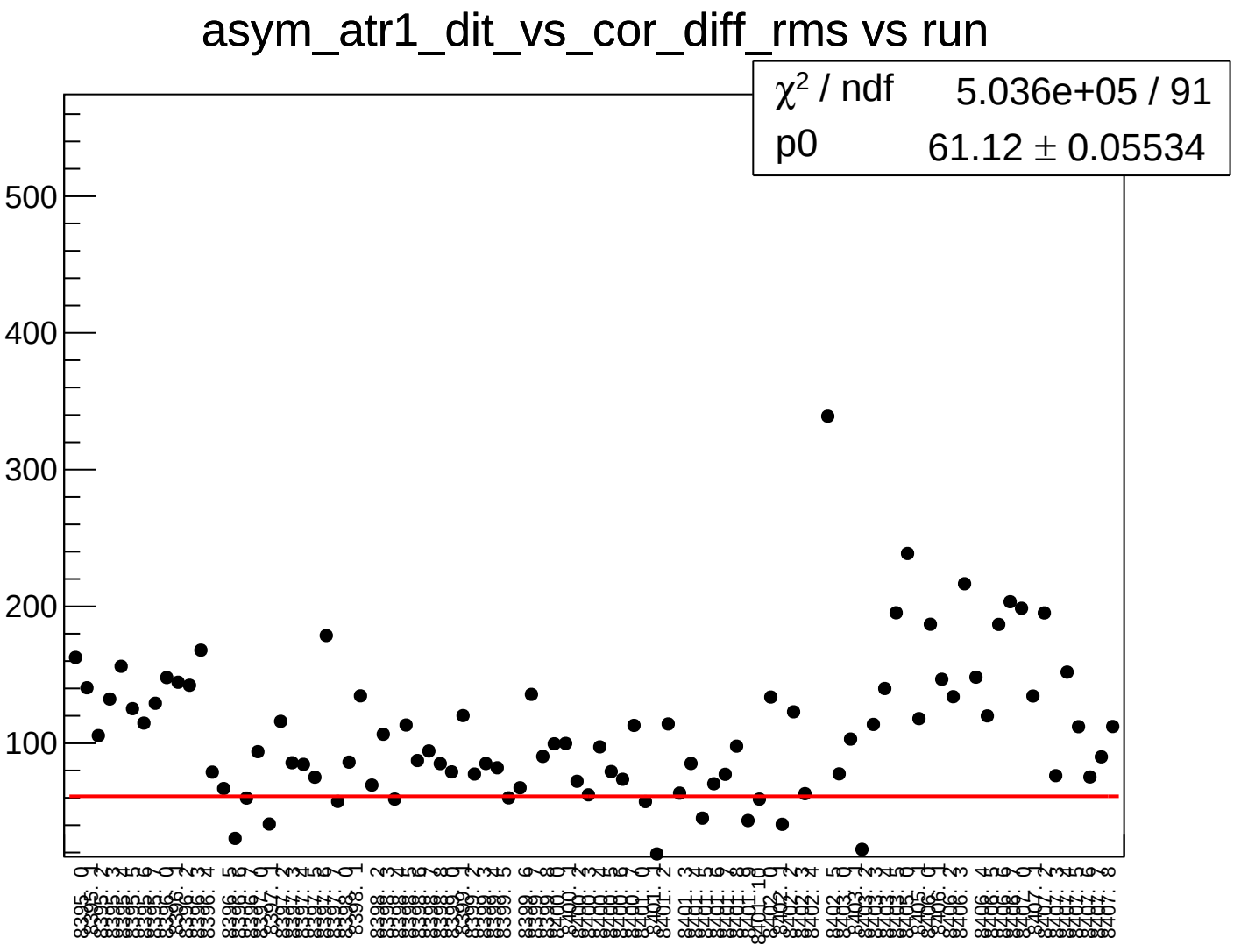

pull1D
Entries 92
Mean −0.0001976
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

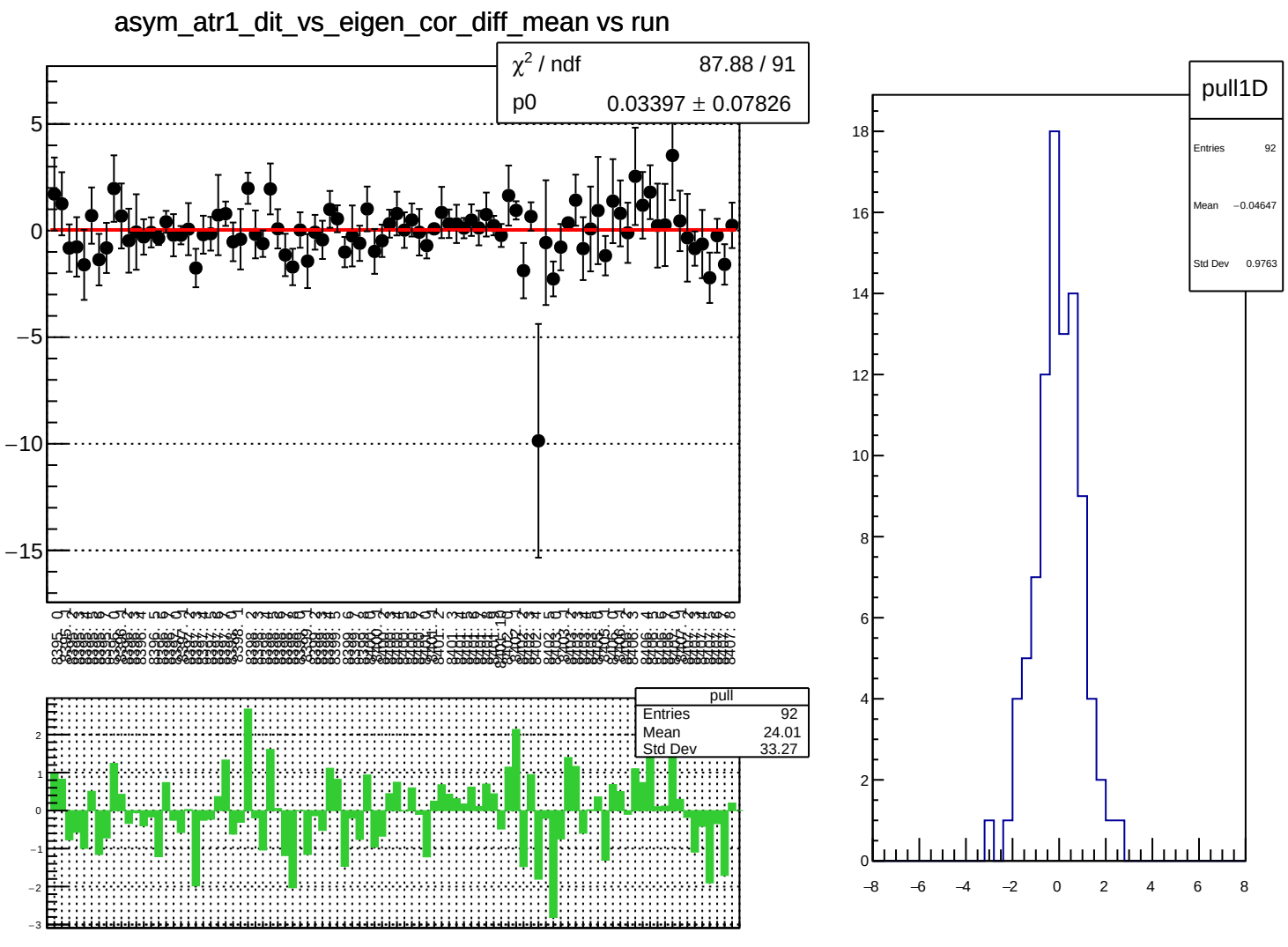

asym_atr1_rms vs run
χ² / ndf 617 / 91
p0 2990 ± 2.278
3200
3150
3100
3050
3000
2950
2900
2850
2800

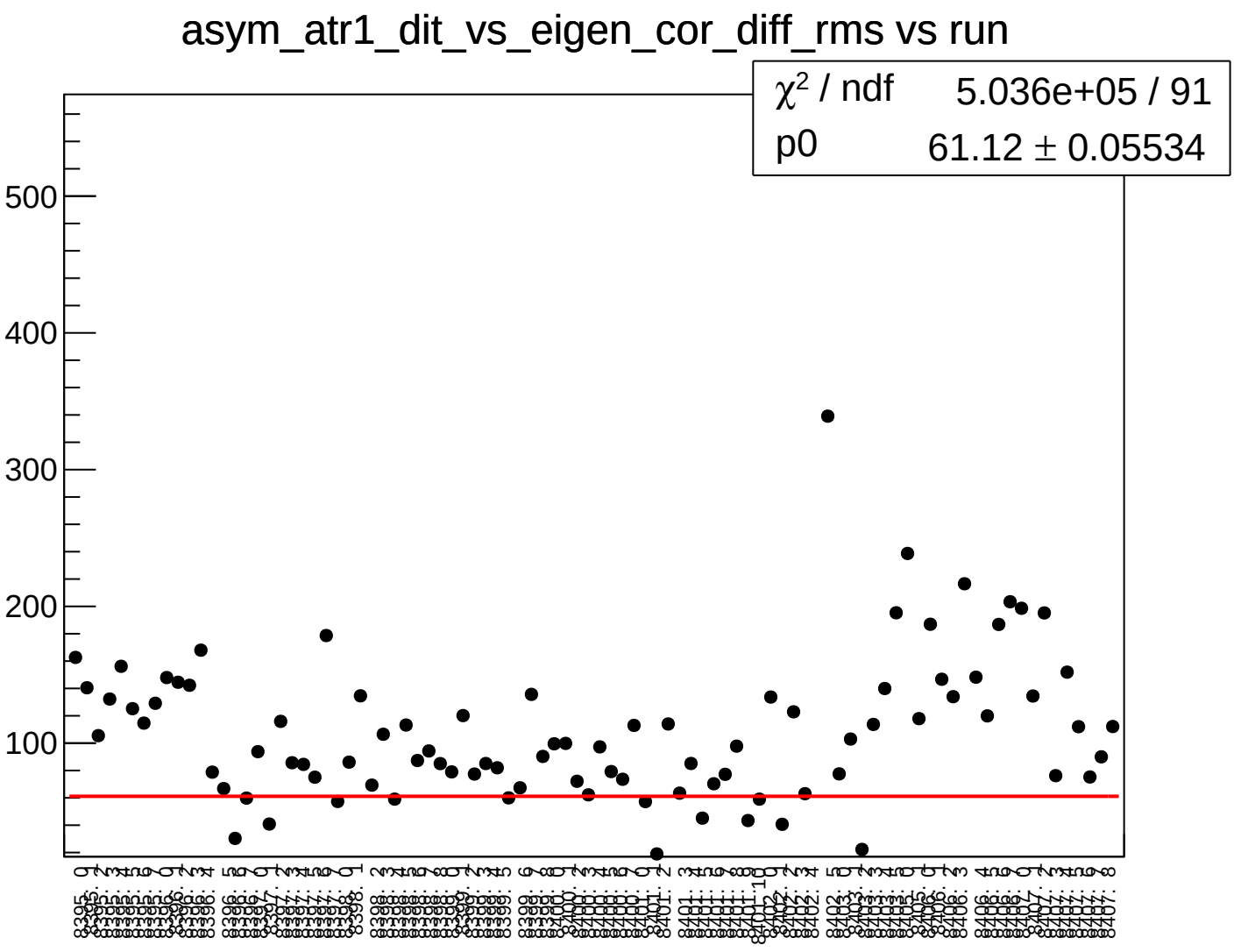

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 79.67 / 91
p0 −8.347e−14 ± 1.539e−13
0.04
0.02
0
−0.02
−0.04
pull
Entries 92
Mean 45.95
Std Dev 34.08
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean 0.1059
Std Dev 0.9245
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

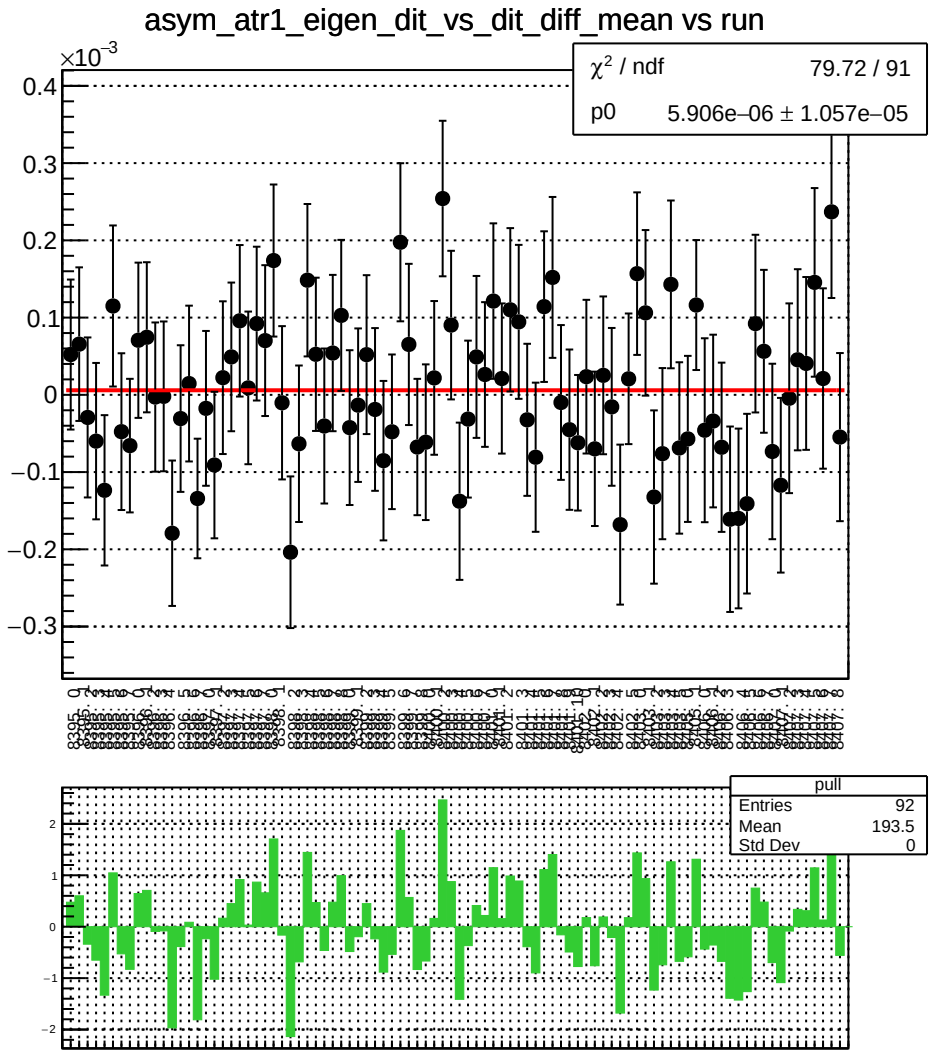

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 1.119e+06 / 91
p0 8.461e−11 ± 1.088e−13
2.5
2
1.5
1
0.5
0

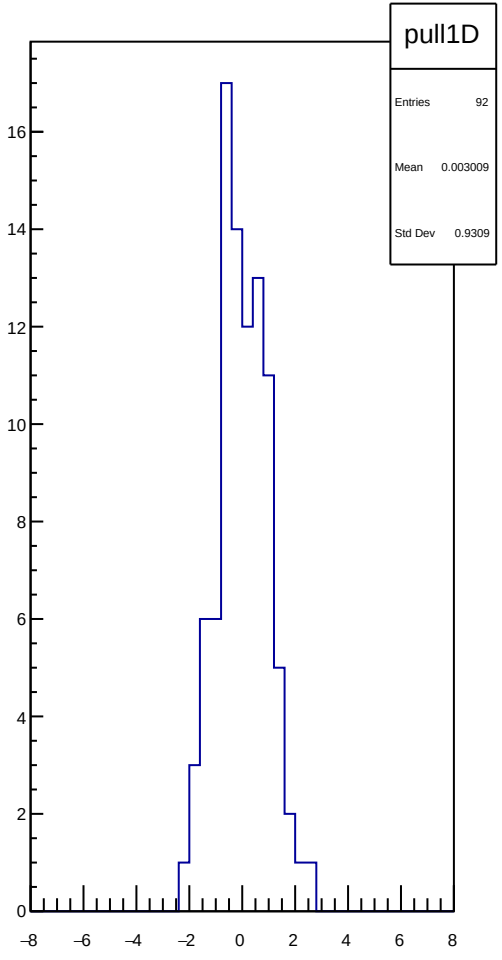

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 87.88 / 91
p0 0.03397 ± 0.07826
pull
Entries 92
Mean 24.01
Std Dev 33.27
pull1D
Entries 92
Mean −0.04647
Std Dev 0.9763

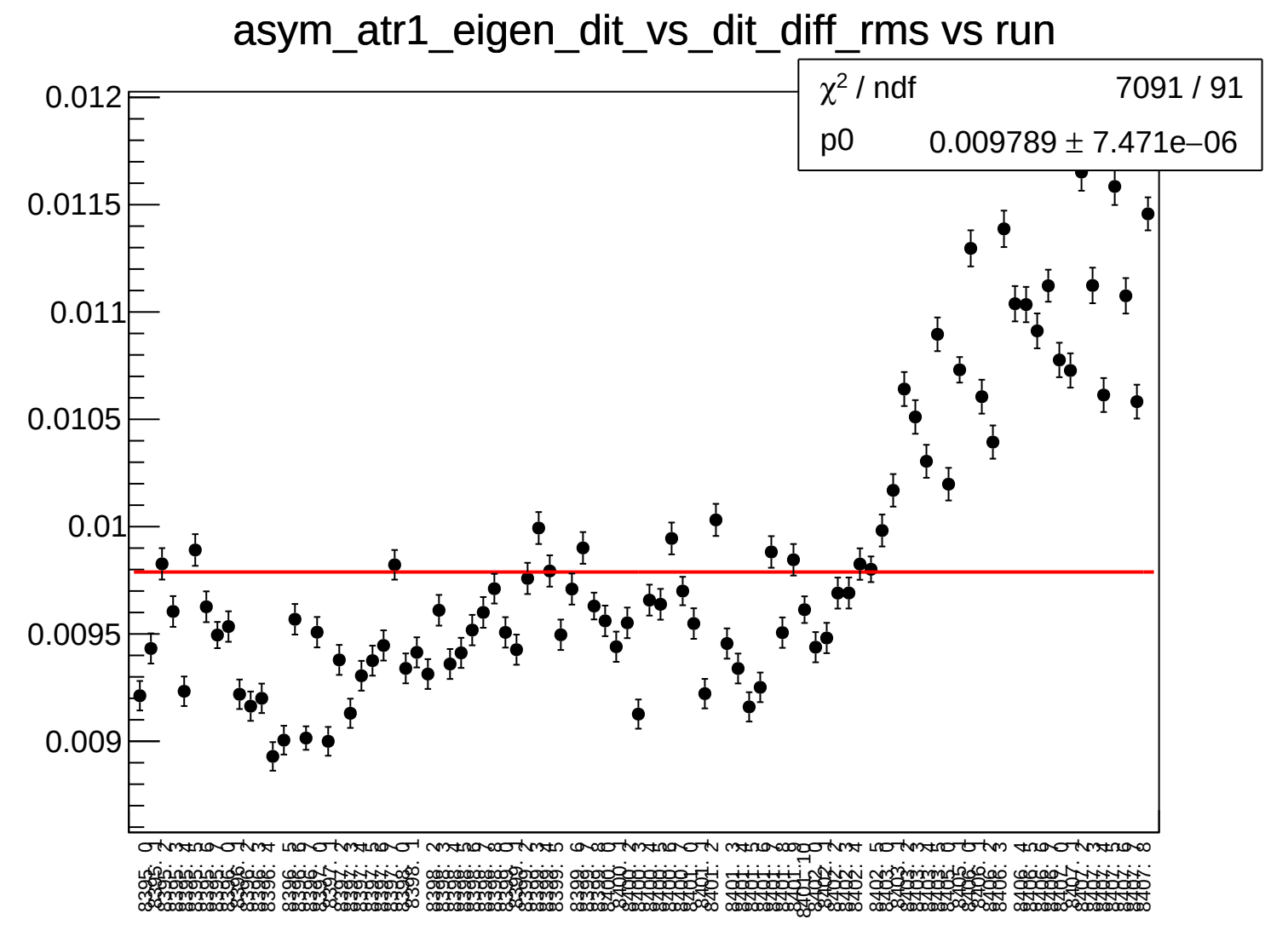

asym_atr1_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 5.036e+05 / 91
p0 61.12 ± 0.05534
500
400
300
200
100

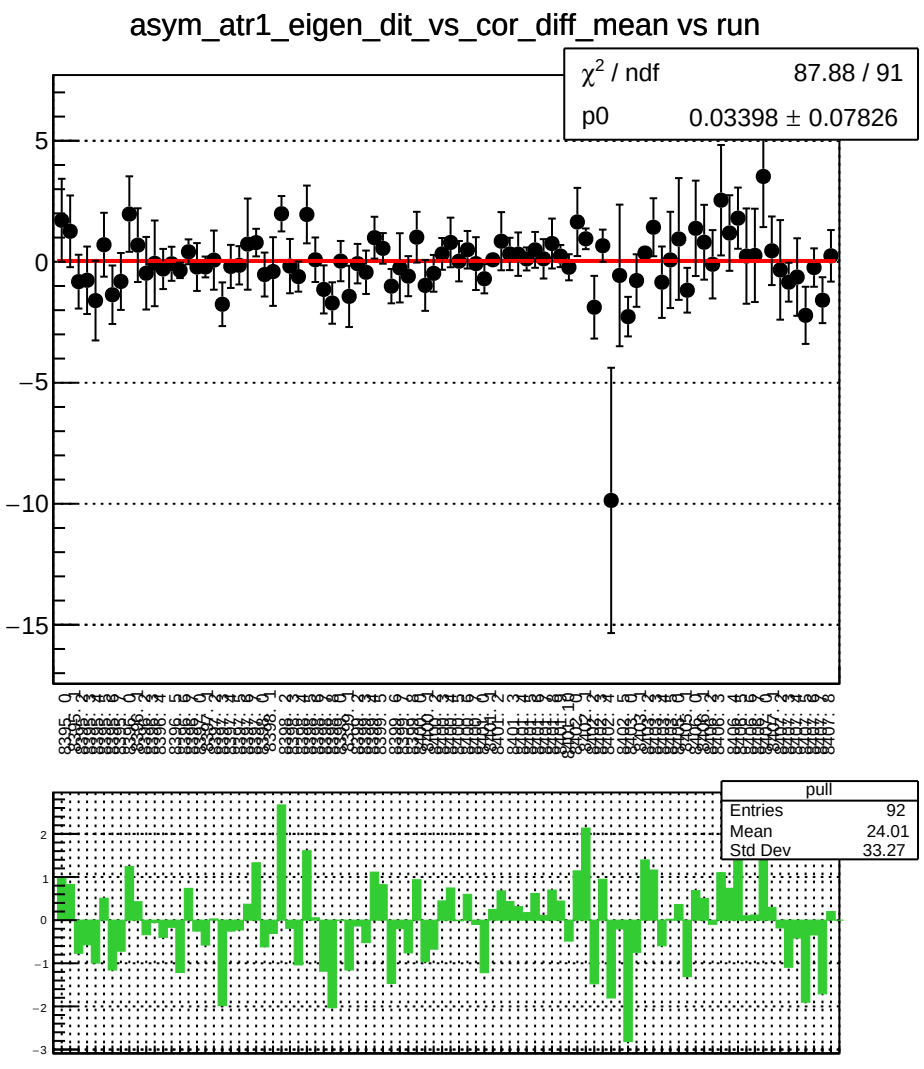

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.88 / 91
p0 0.03397 ± 0.07826
pull
Entries 92
Mean 24.01
Std Dev 33.27
pull1D
Entries 92
Mean −0.04647
Std Dev 0.9763

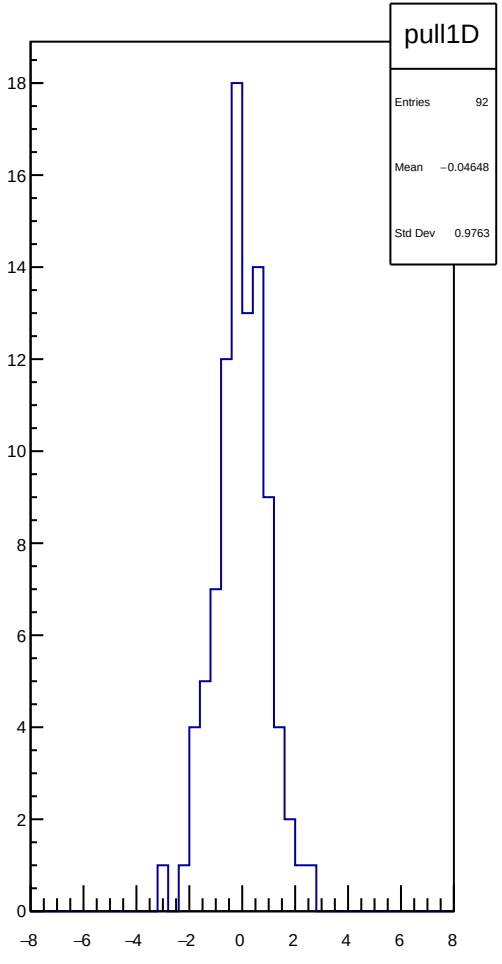

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.036e+05 / 91
p0 61.12 ± 0.05534
500
400
300
200
100

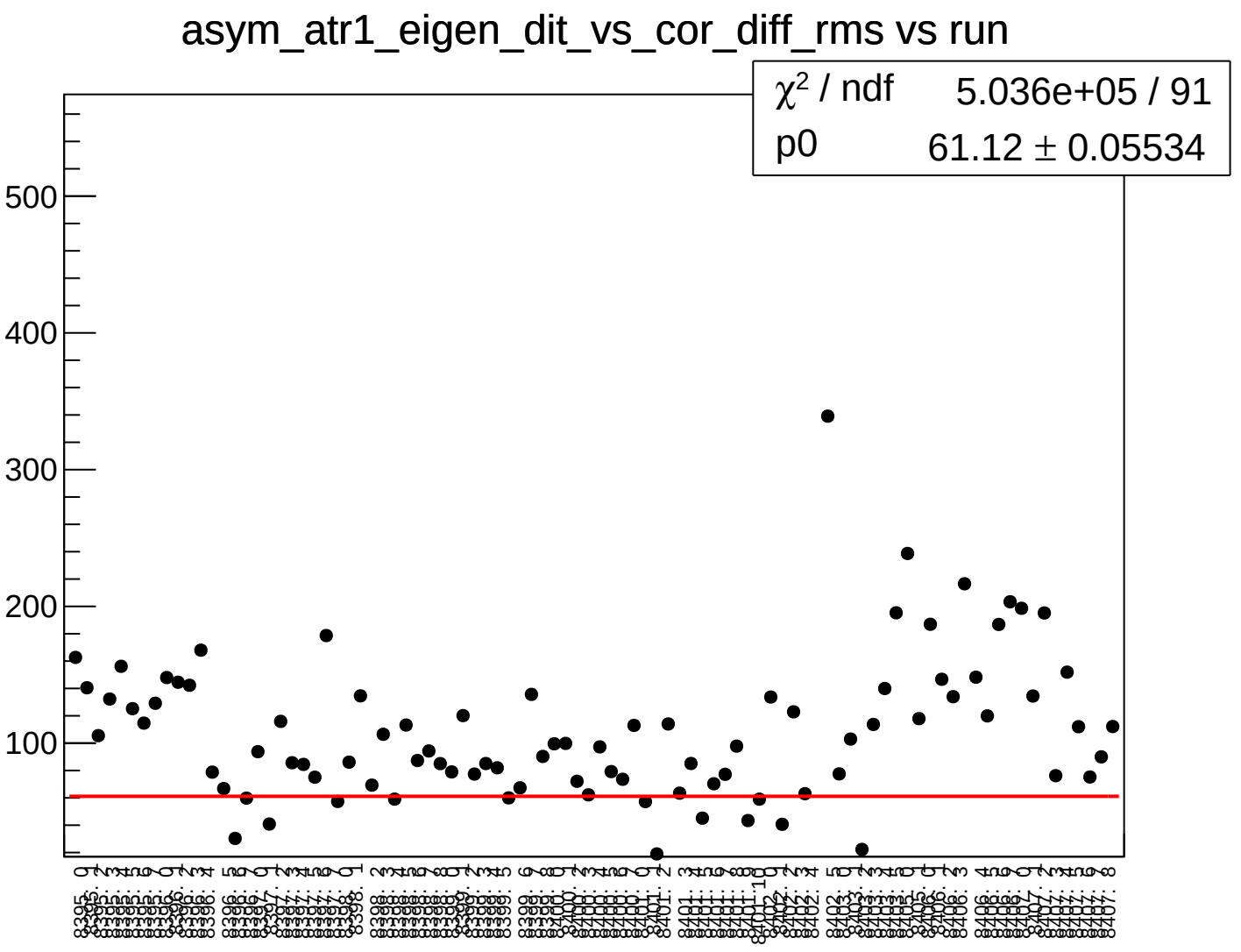

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.72 / 91
p0 5.906e−06 ± 1.057e−05
pull
Entries 92
Mean 193.5
Std Dev 0

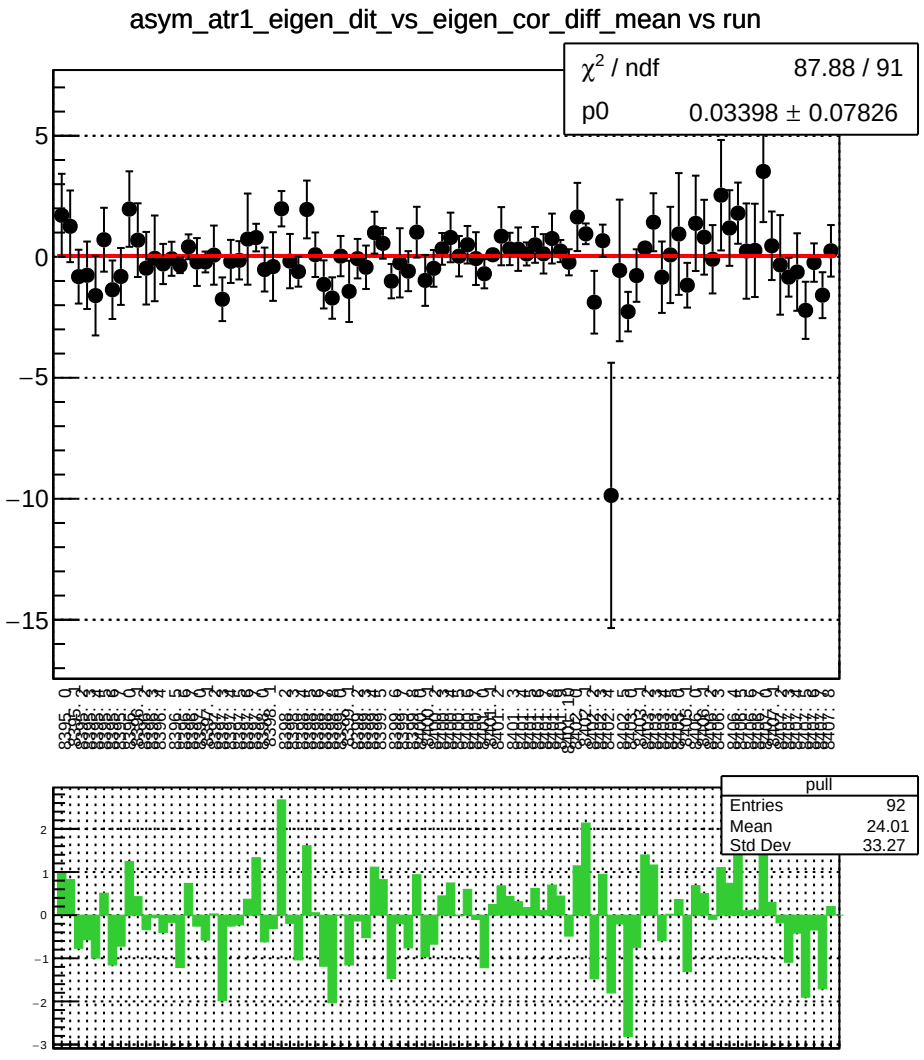

pull1D
Entries 92
Mean 0.003009
Std Dev 0.9309

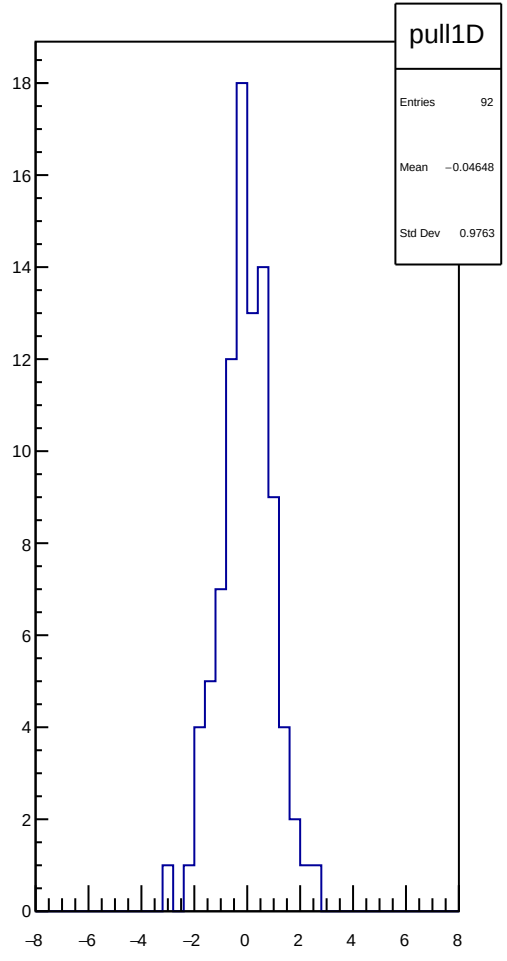

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7091 / 91
p0 0.009789 ± 7.471e−06
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

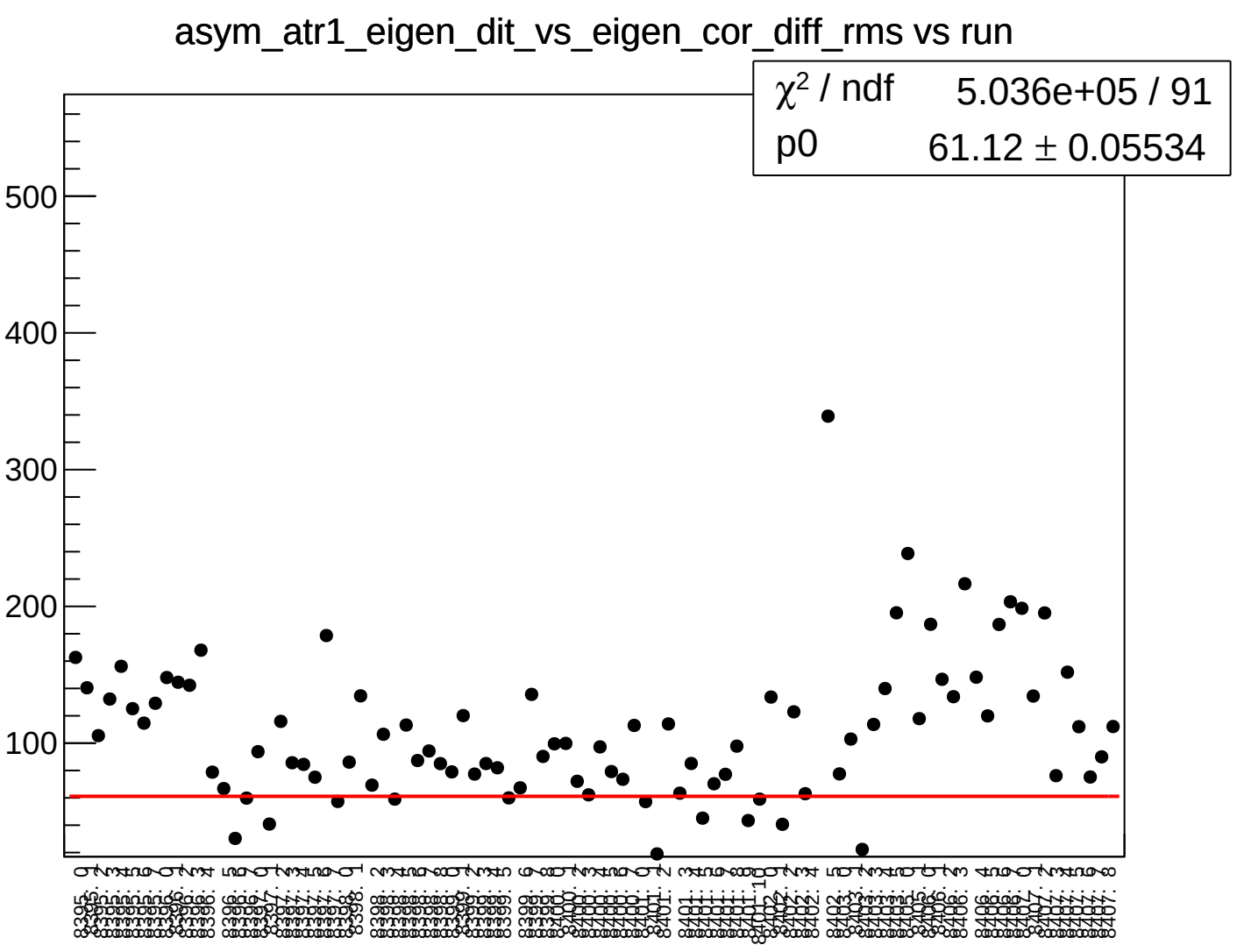

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.88 / 91
p0 0.03398 ± 0.07826
pull
Entries 92
Mean 24.01
Std Dev 33.27

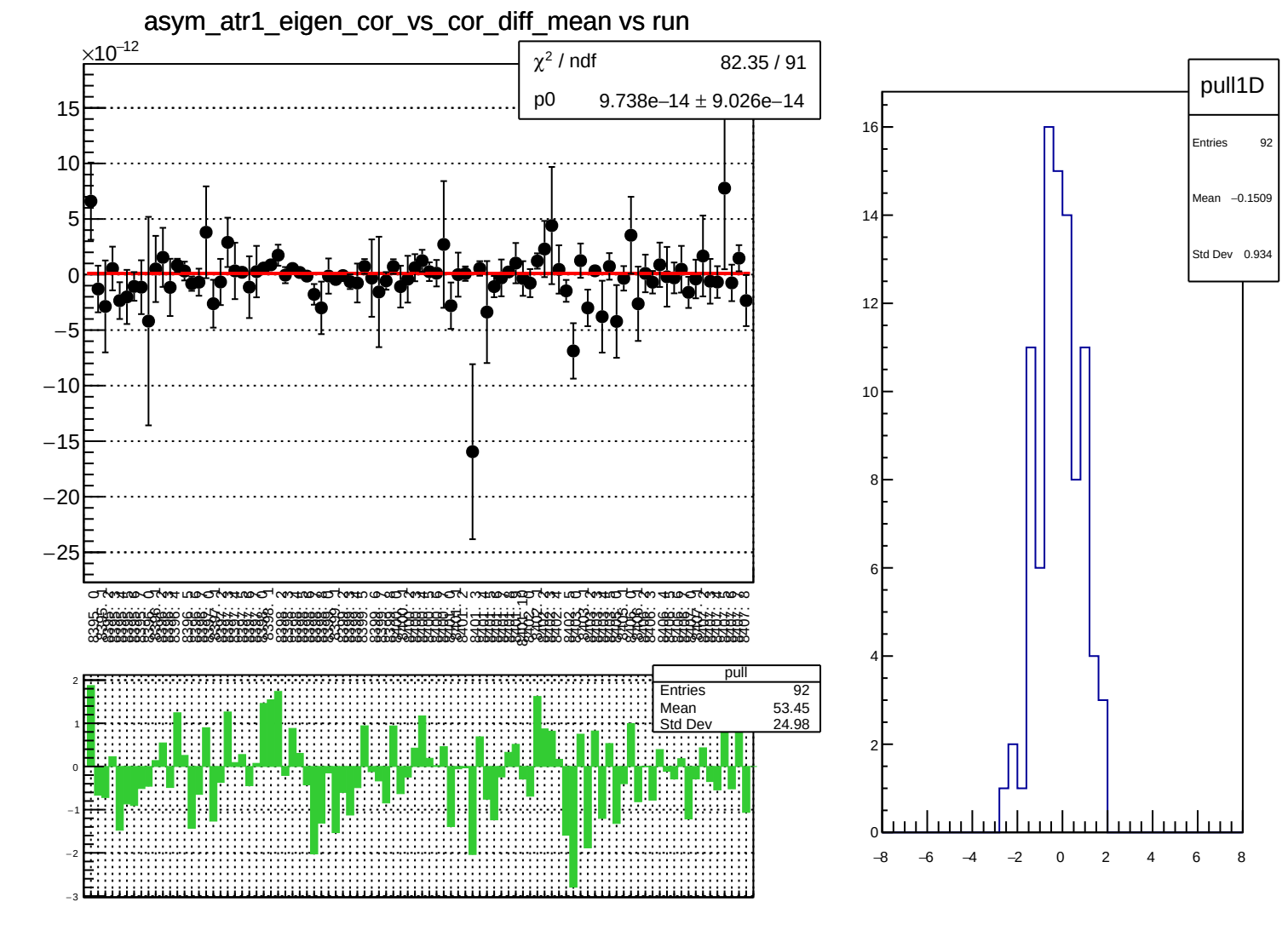

pull1D
Entries 92
Mean −0.04648
Std Dev 0.9763

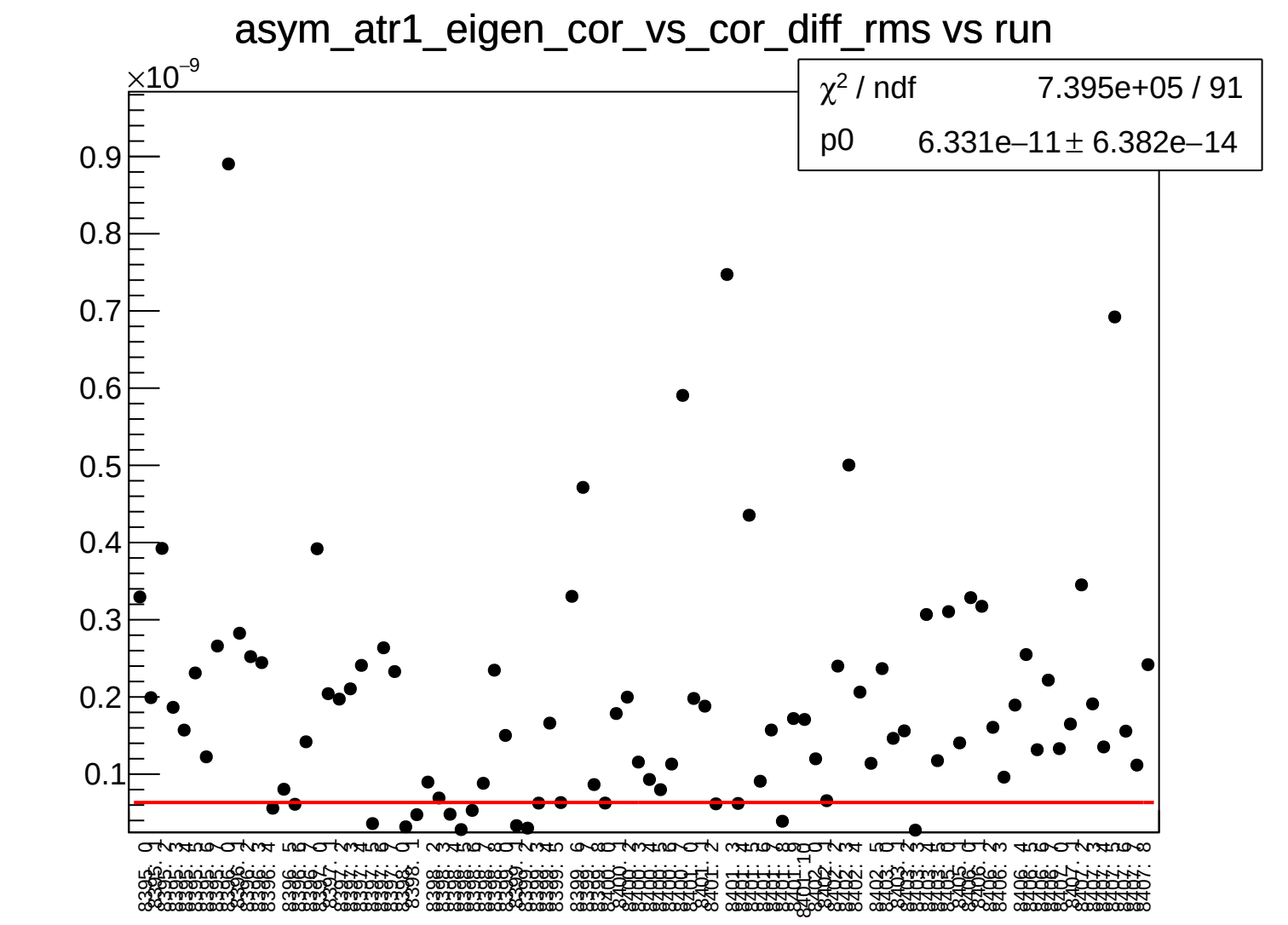

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.036e+05 / 91
p0 61.12 ± 0.05534
500
400
300
200
100

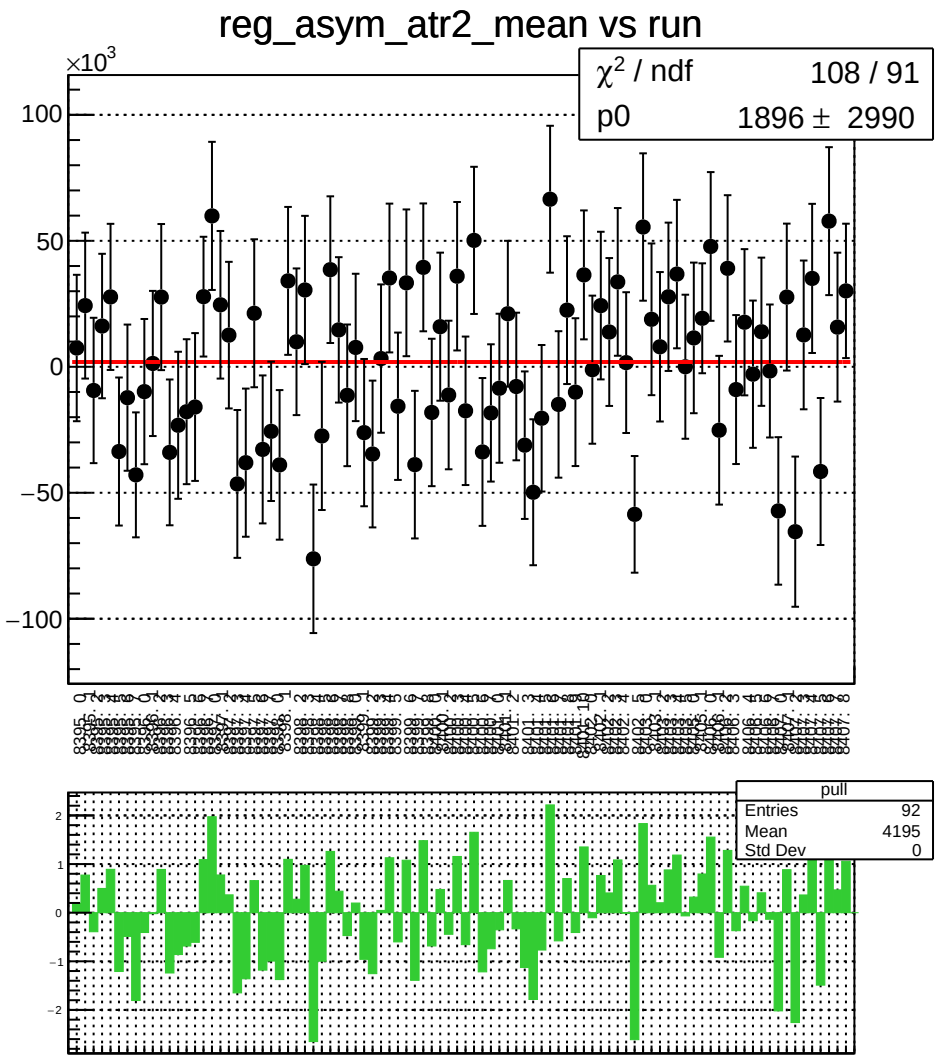

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.88 / 91
p0 0.03398 ± 0.07826
pull
Entries 92
Mean 24.01
Std Dev 33.27

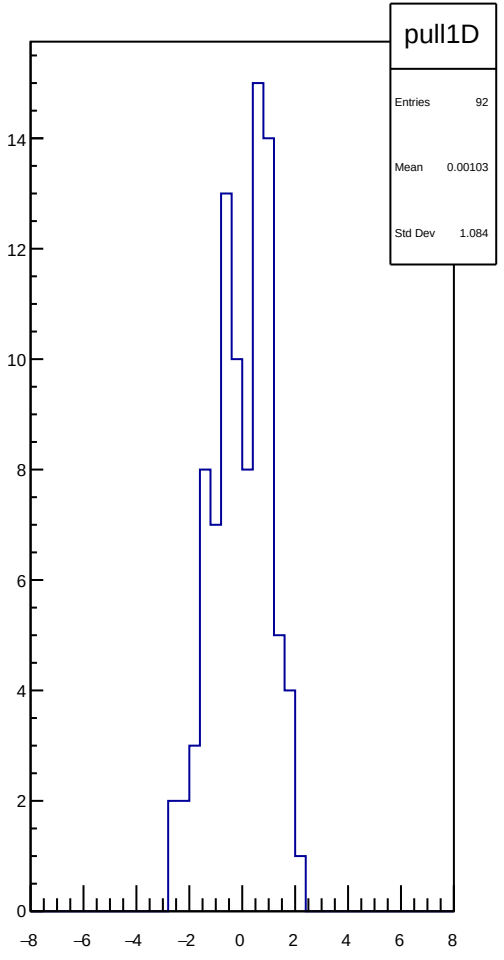

pull1D
Entries 92
Mean −0.04648
Std Dev 0.9763

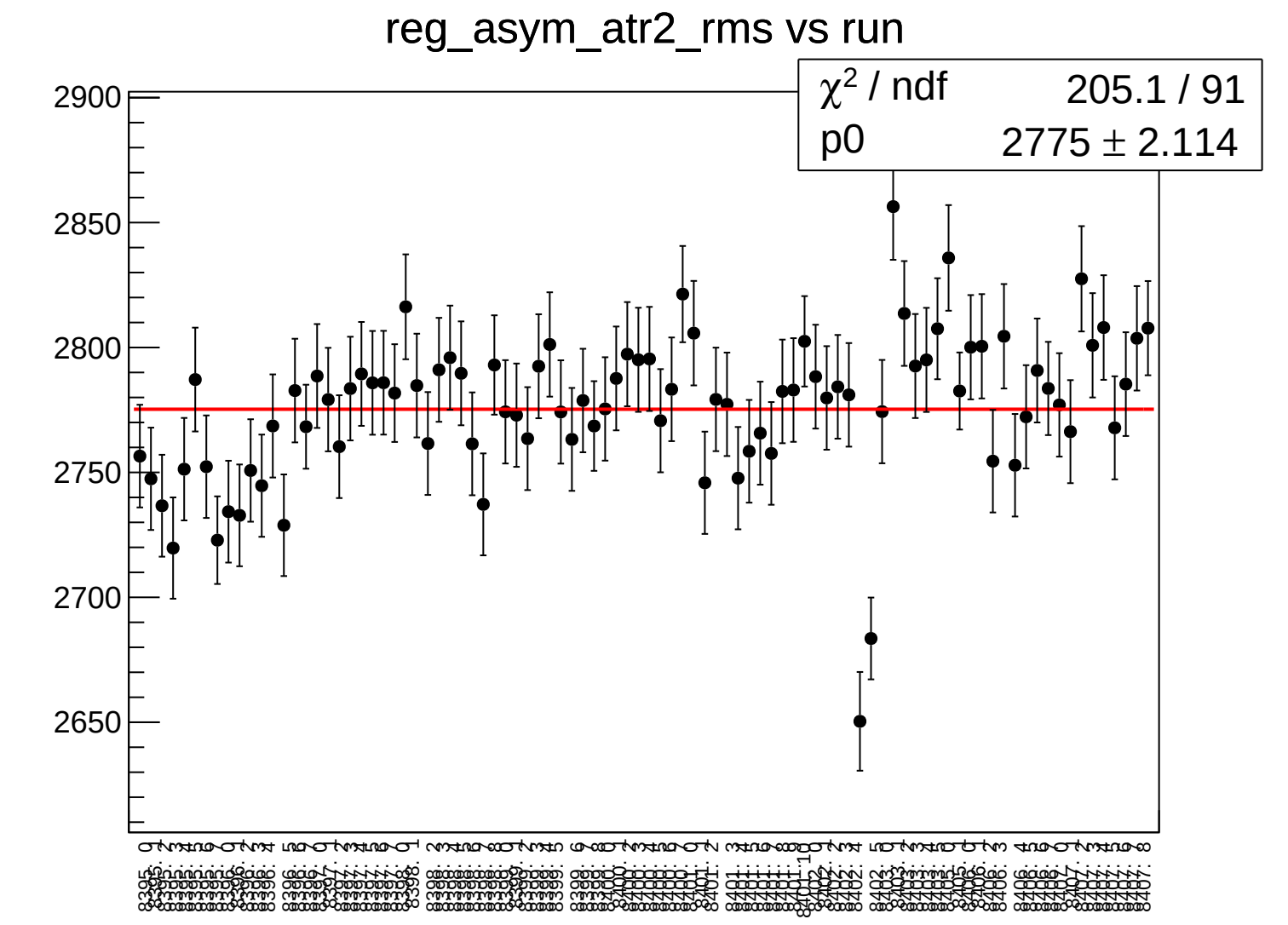

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.036e+05 / 91
p0 61.12 ± 0.05534
500
400
300
200
100

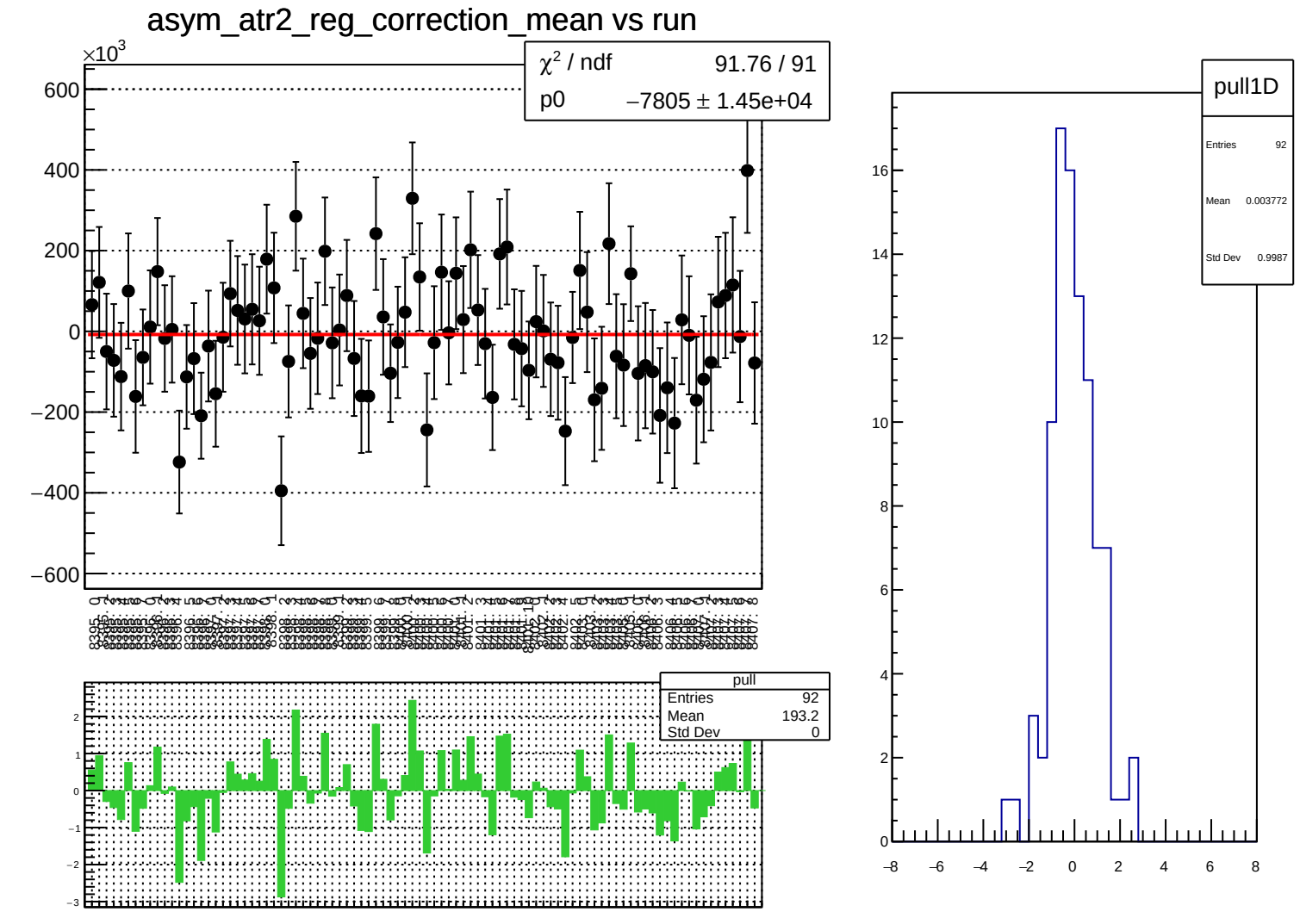

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.35 / 91
p0 9.738e−14 ± 9.026e−14
pull
Entries 92
Mean 53.45
Std Dev 24.98
pull1D
Entries 92
Mean −0.1509
Std Dev 0.934

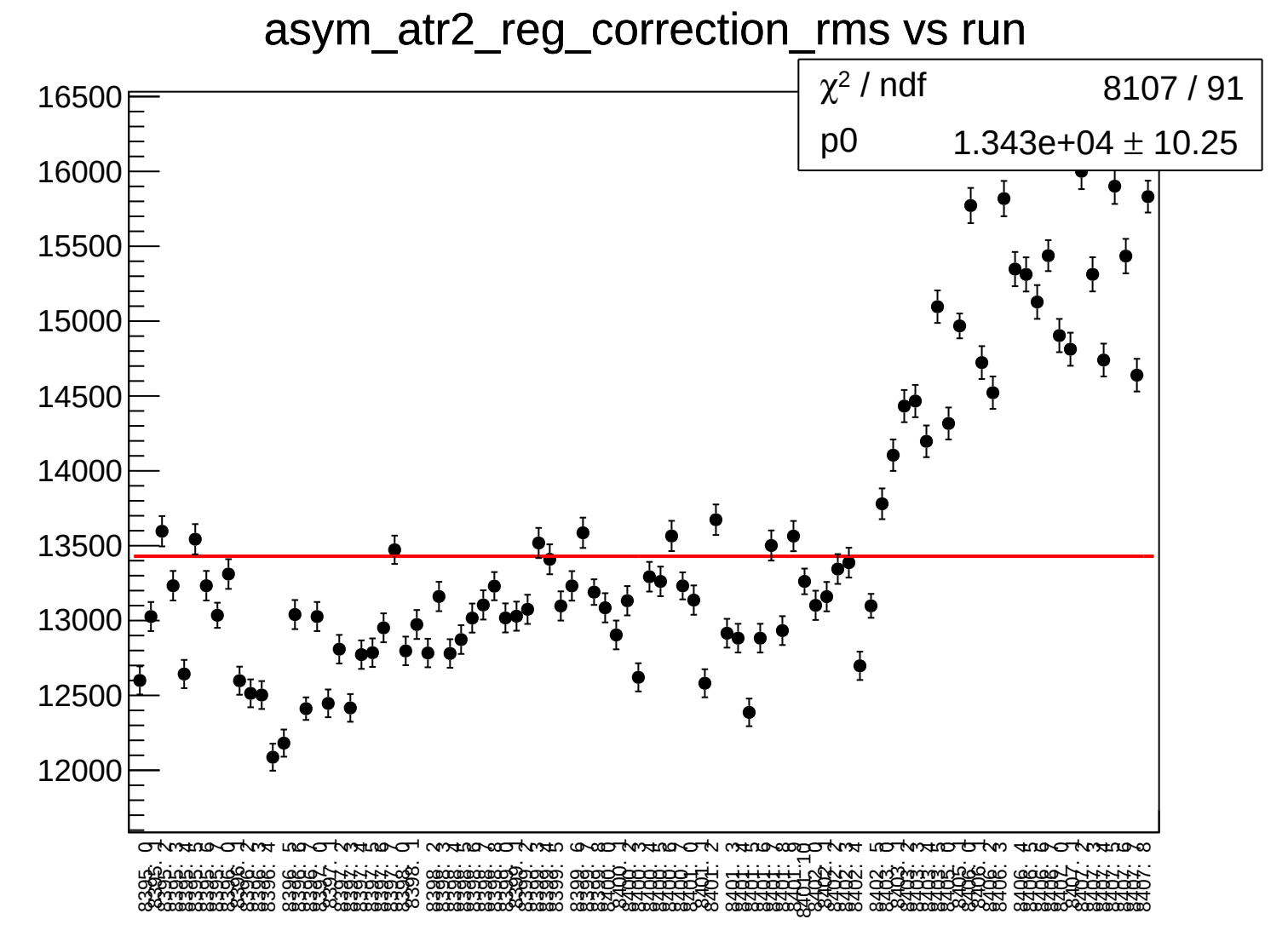

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.395e+05 / 91
p0 6.331e−11 ± 6.382e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

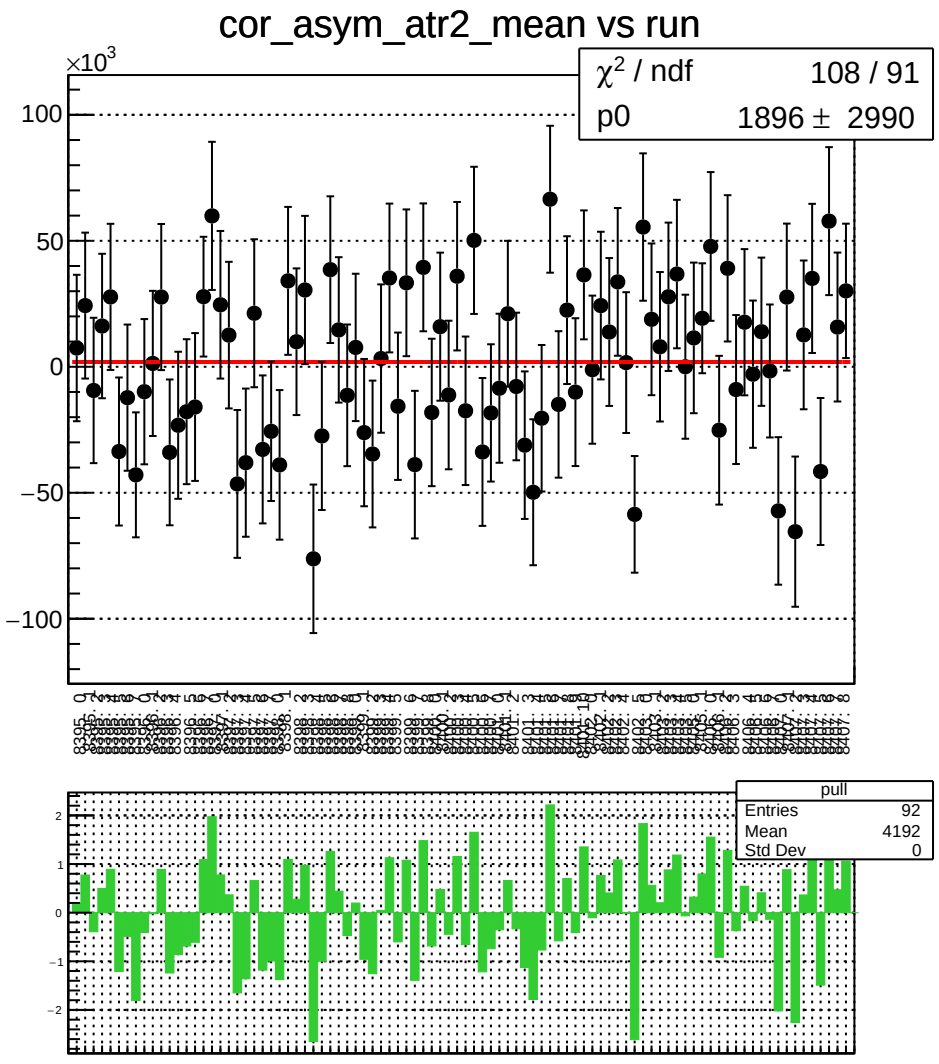

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 108 / 91
p0 1896 ± 2990
100
50
0
−50
−100
pull
Entries 92
Mean 4195
Std Dev 0
2
1
0
−1
−2

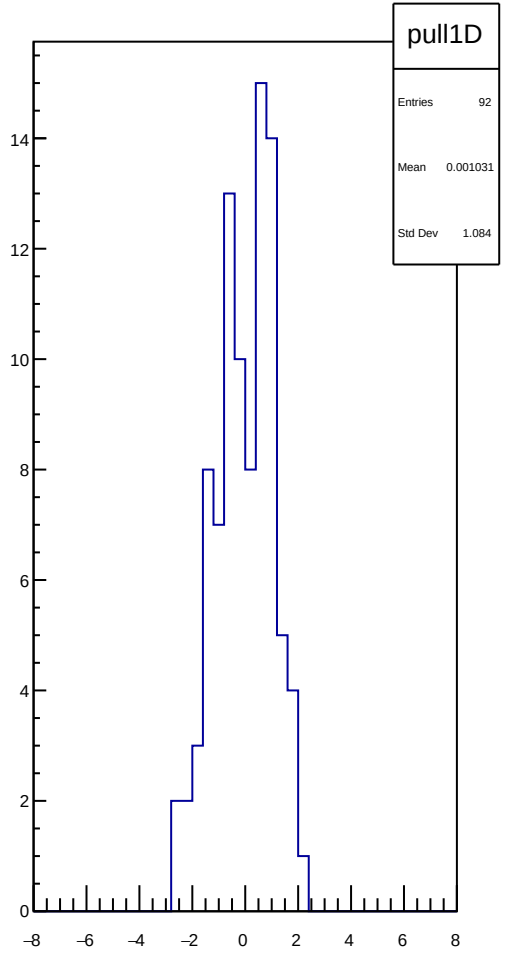

pull1D
Entries 92
Mean 0.00103
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

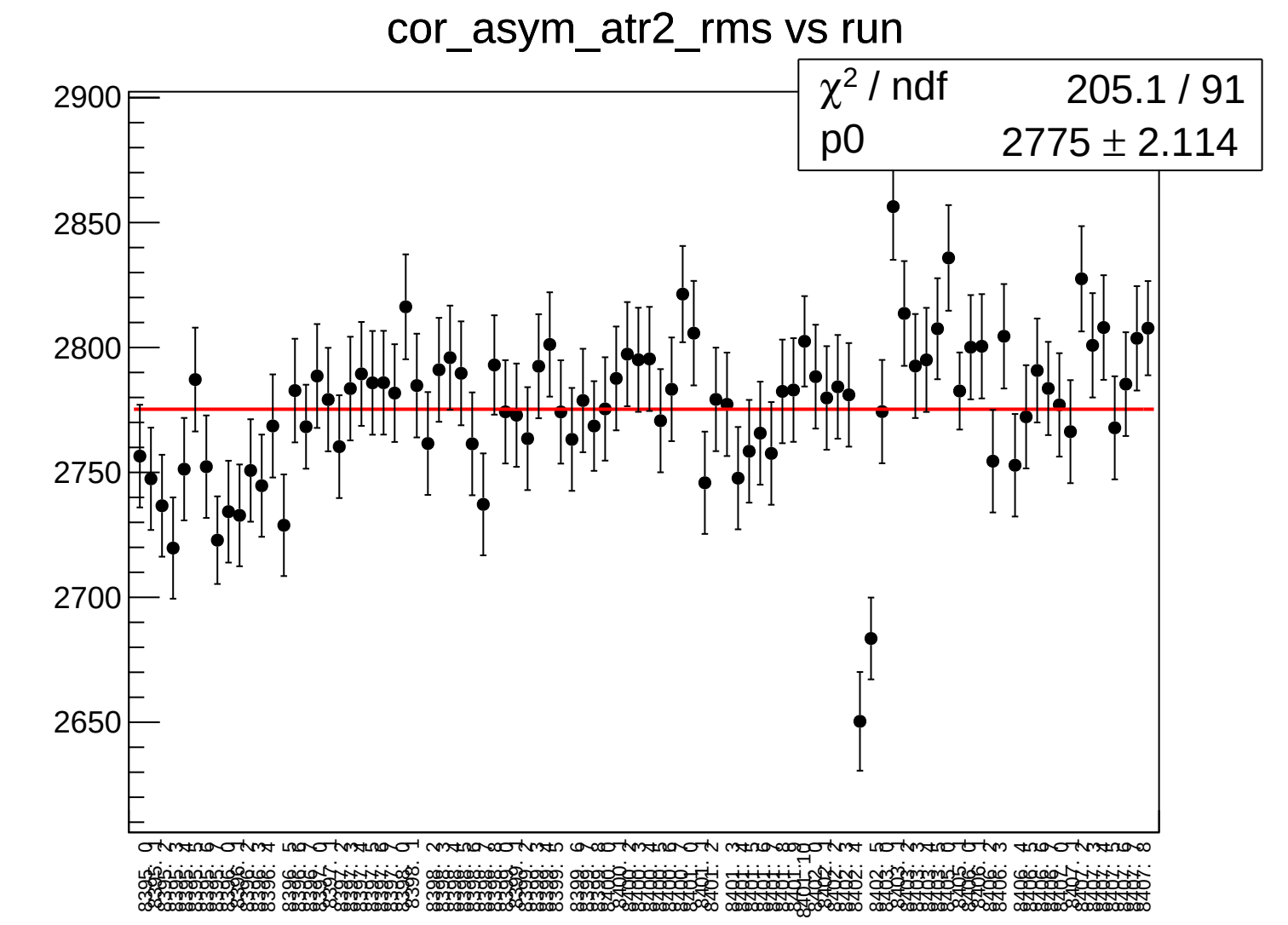

reg_asym_atr2_rms vs run
$\chi^2$ / ndf 205.1 / 91
p0 2775 ± 2.114
2900
2850
2800
2750
2700
2650

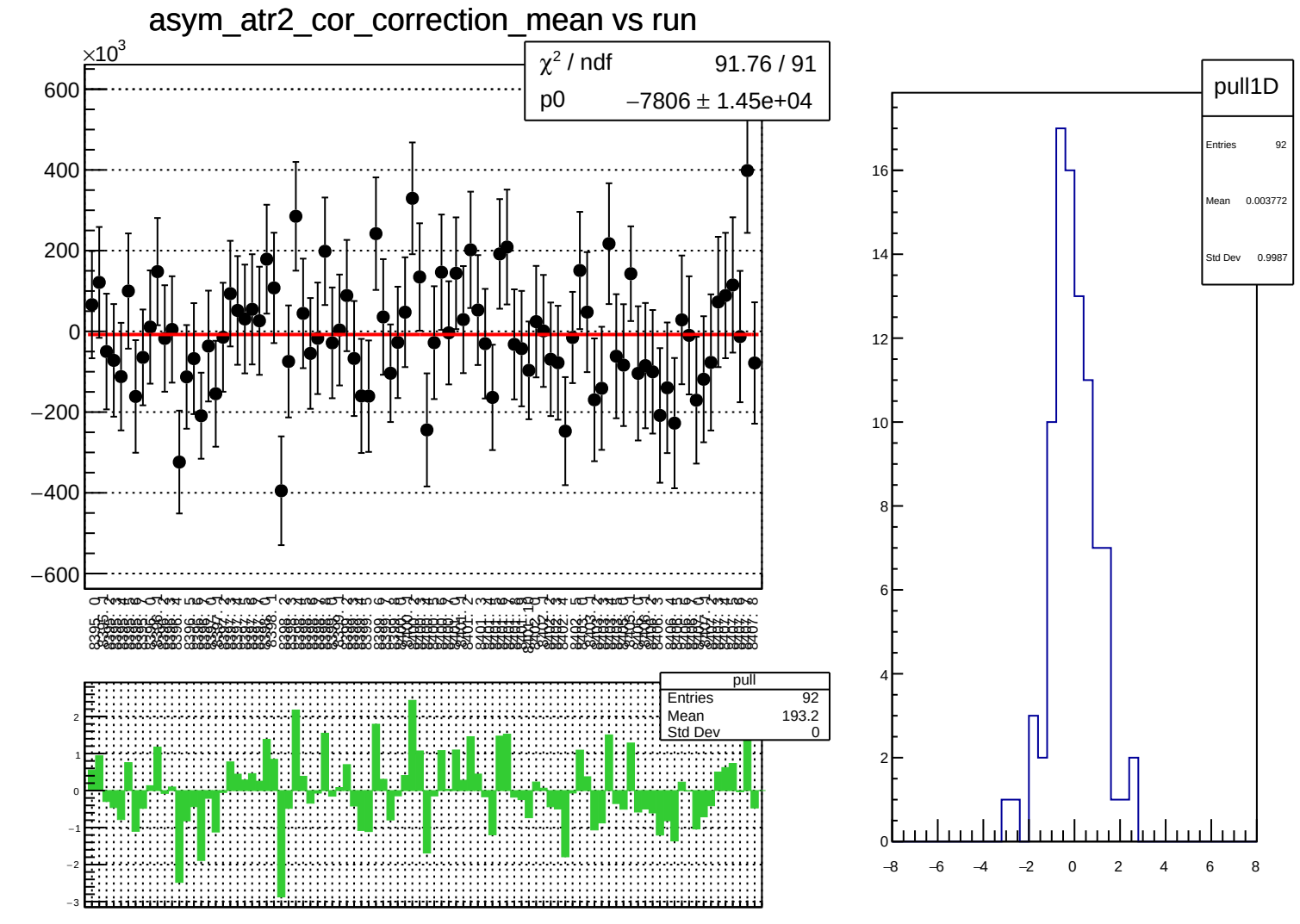

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 91.76 / 91
p0 −7805 ± 1.45e+04
pull
Entries 92
Mean 193.2
Std Dev 0
pull1D
Entries 92
Mean 0.003772
Std Dev 0.9987

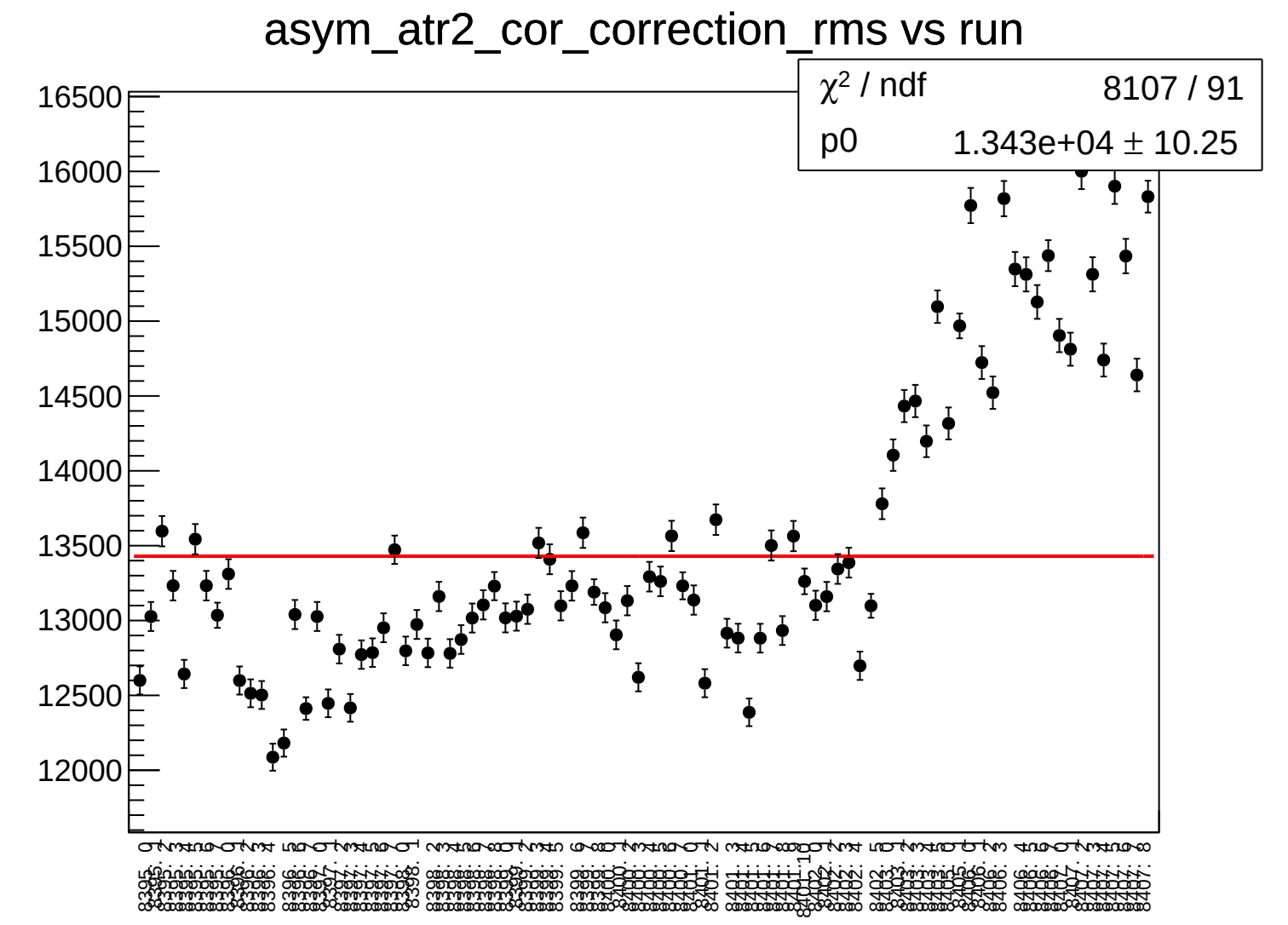

asym_atr2_reg_correction_rms vs run
χ² / ndf 8107 / 91
p0 1.343e+04 ± 10.25
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000

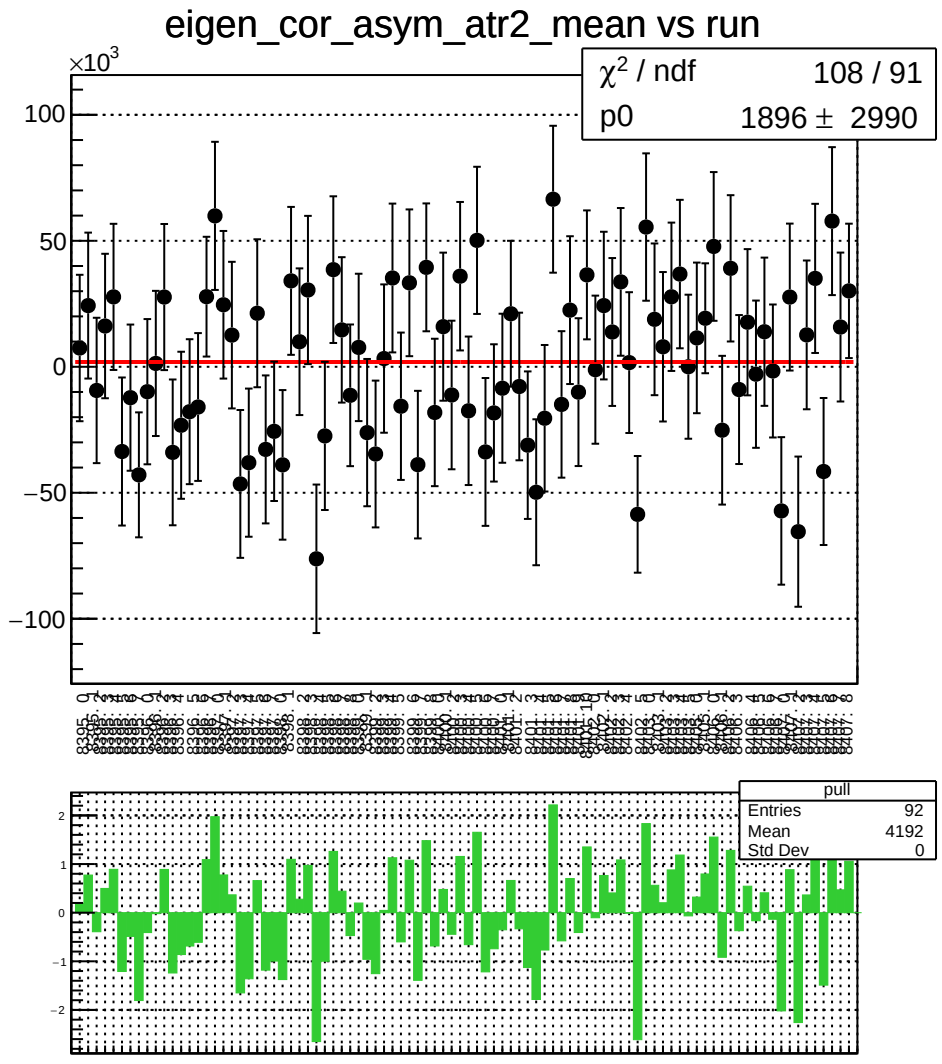

cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 108 / 91
p0 1896 ± 2990
100
50
0
−50
−100
pull
Entries 92
Mean 4192
Std Dev 0
2
1
0
−1
−2

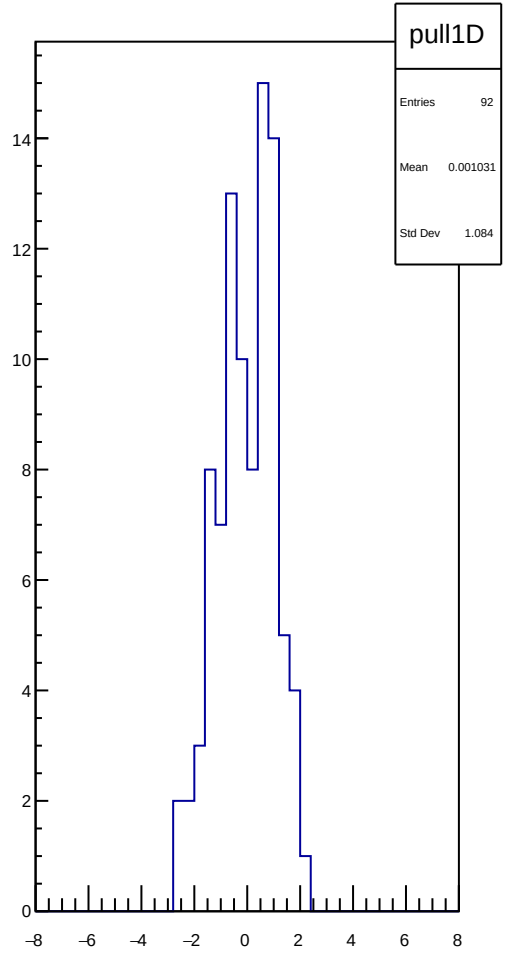

pull1D
Entries 92
Mean 0.001031
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

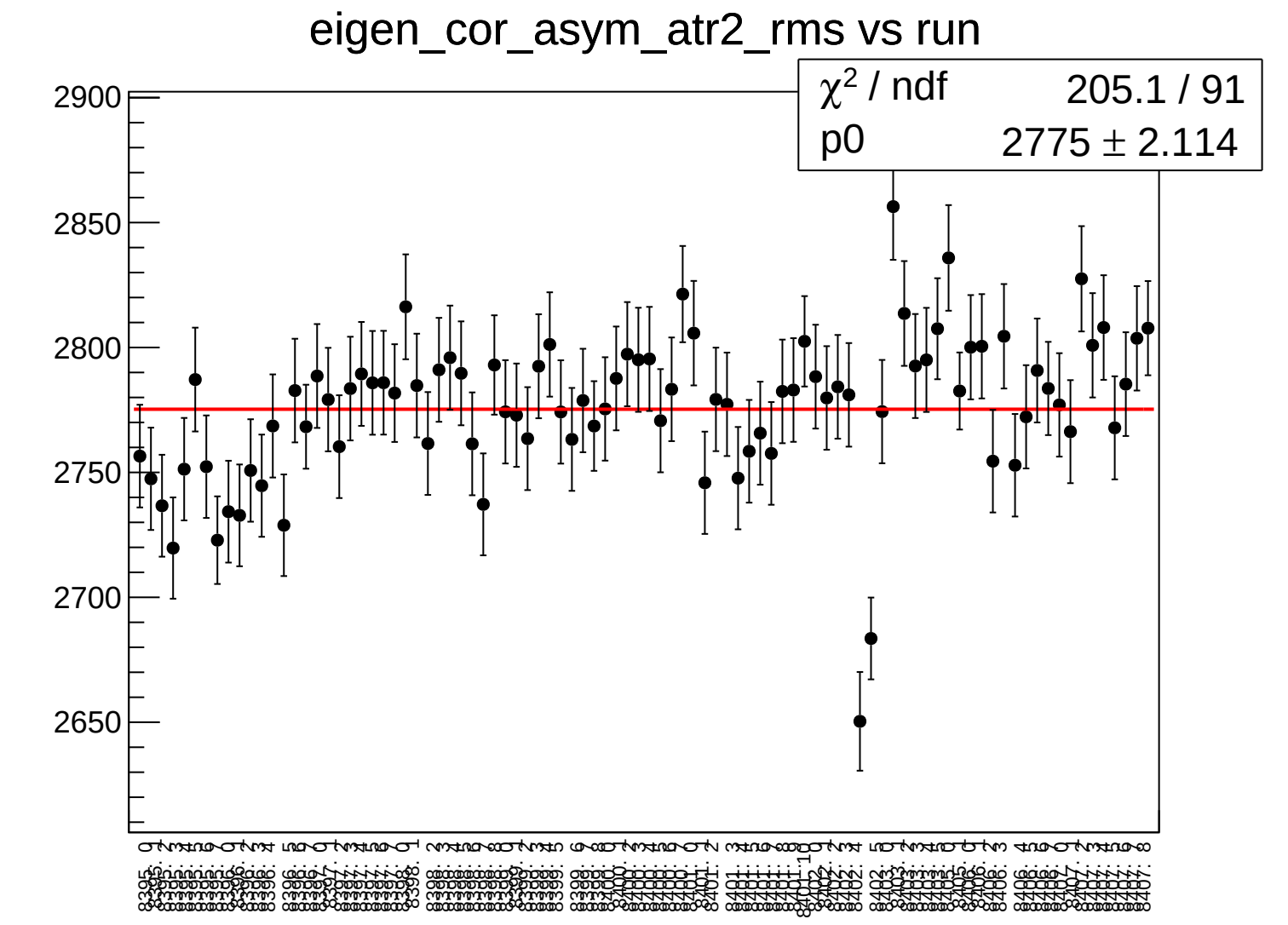

cor_asym_atr2_rms vs run
$\chi^2$ / ndf 205.1 / 91
p0 2775 ± 2.114
2900
2850
2800
2750
2700
2650

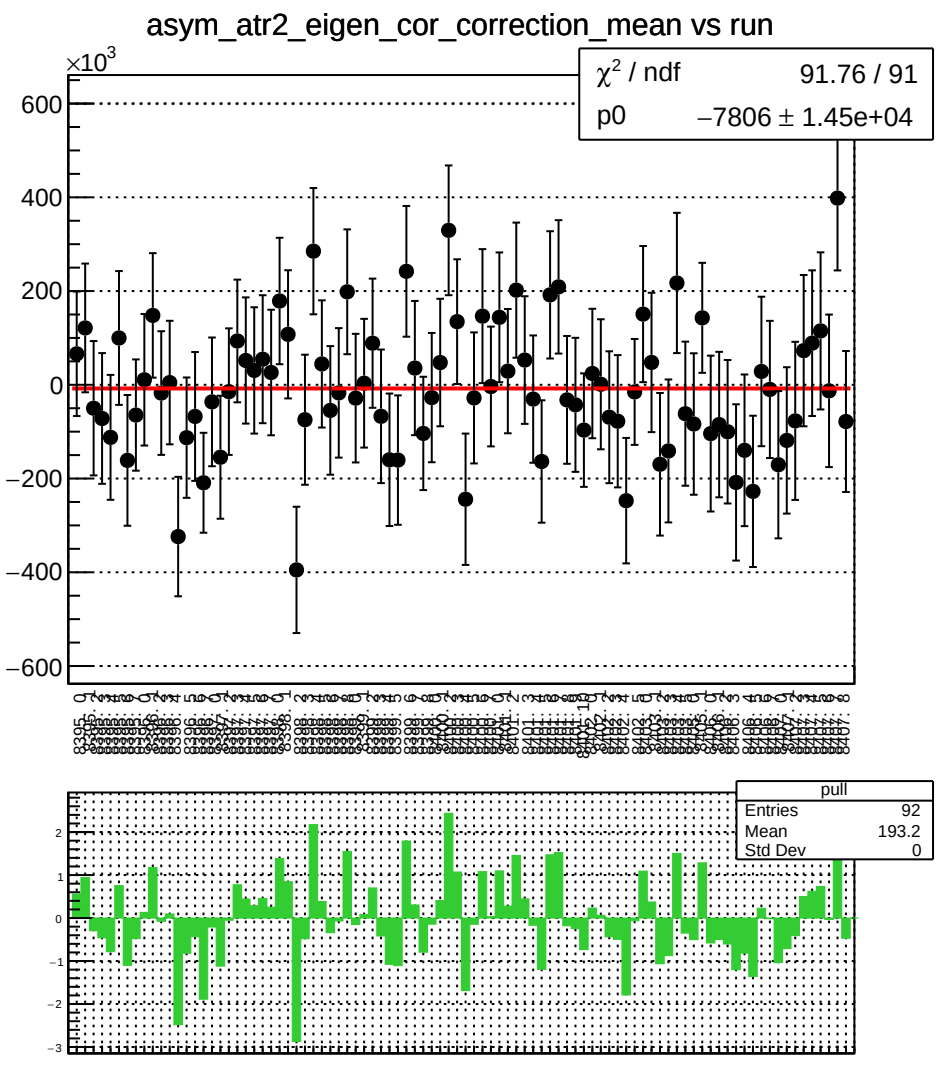

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 91.76 / 91
p0 −7806 ± 1.45e+04
pull
Entries 92
Mean 193.2
Std Dev 0
pull1D
Entries 92
Mean 0.003772
Std Dev 0.9987

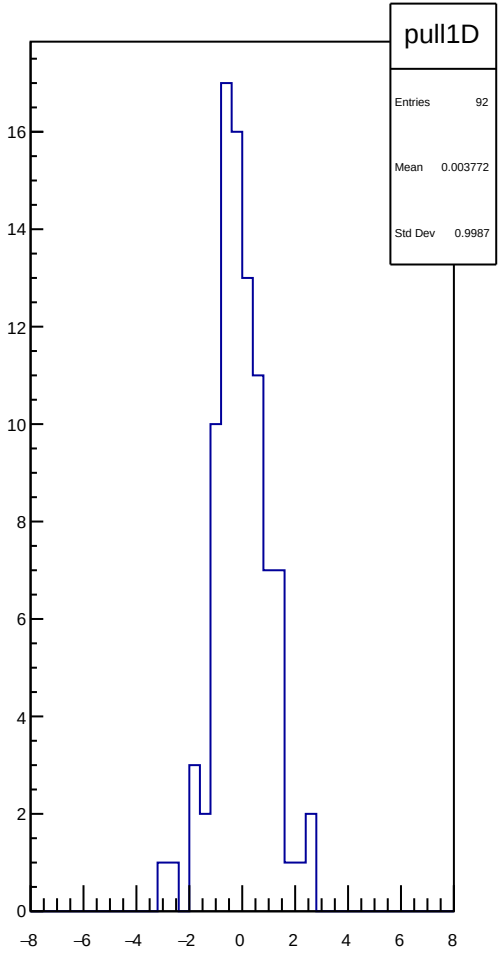

asym_atr2_cor_correction_rms vs run
χ² / ndf 8107 / 91
p0 1.343e+04 ± 10.25
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000

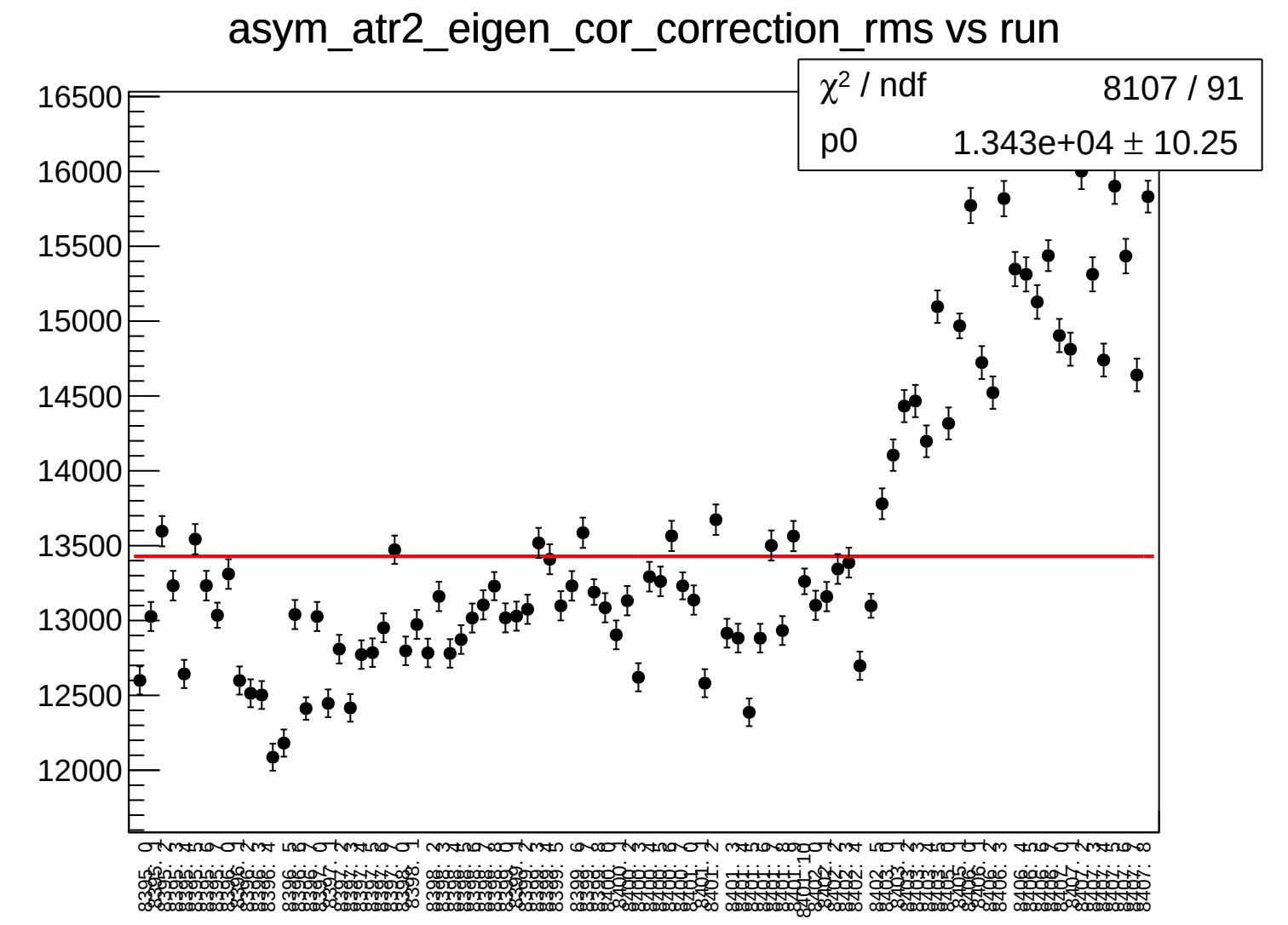

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 108 / 91
p0 1896 ± 2990
100
50
0
−50
−100
pull
Entries 92
Mean 4192
Std Dev 0
2
1
0
−1
−2

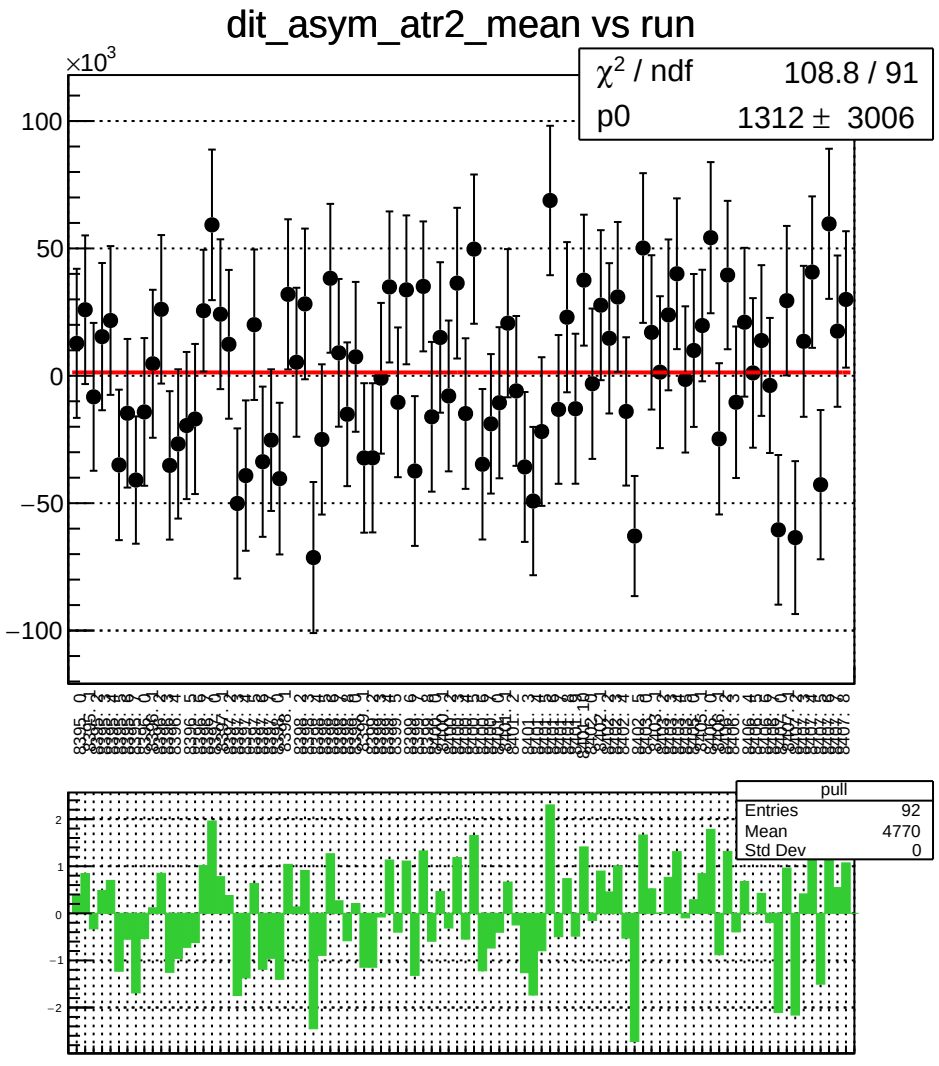

pull1D
Entries 92
Mean 0.001031
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

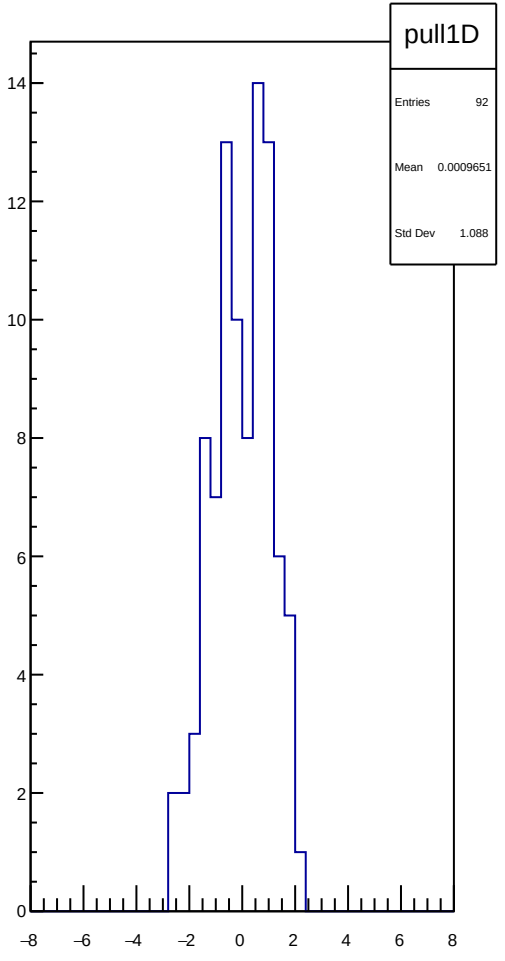

eigen_cor_asym_atr2_rms vs run
χ² / ndf 205.1 / 91
p0 2775 ± 2.114
2900
2850
2800
2750
2700
2650

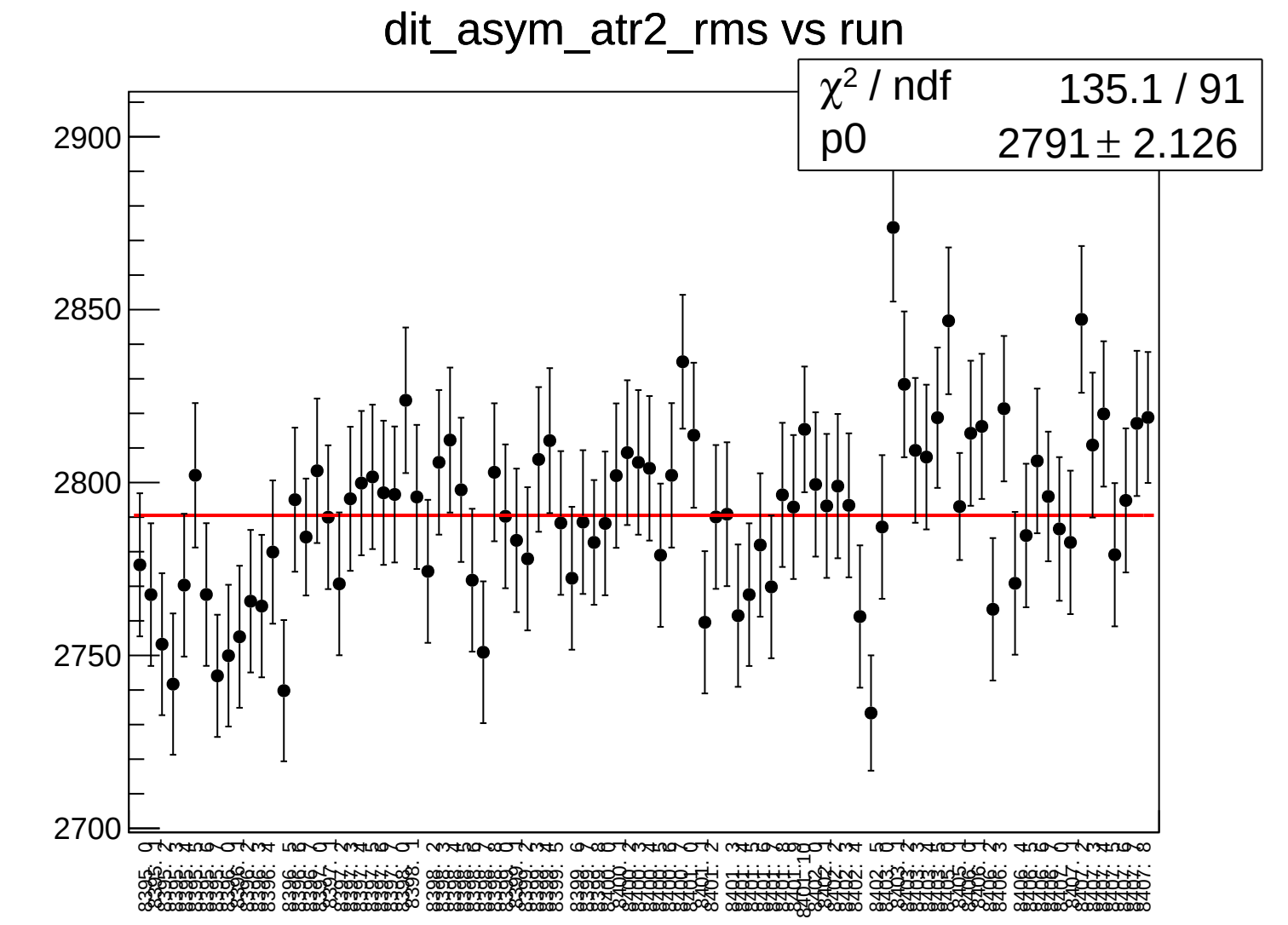

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.76 / 91
p0 −7806 ± 1.45e+04
pull
Entries 92
Mean 193.2
Std Dev 0

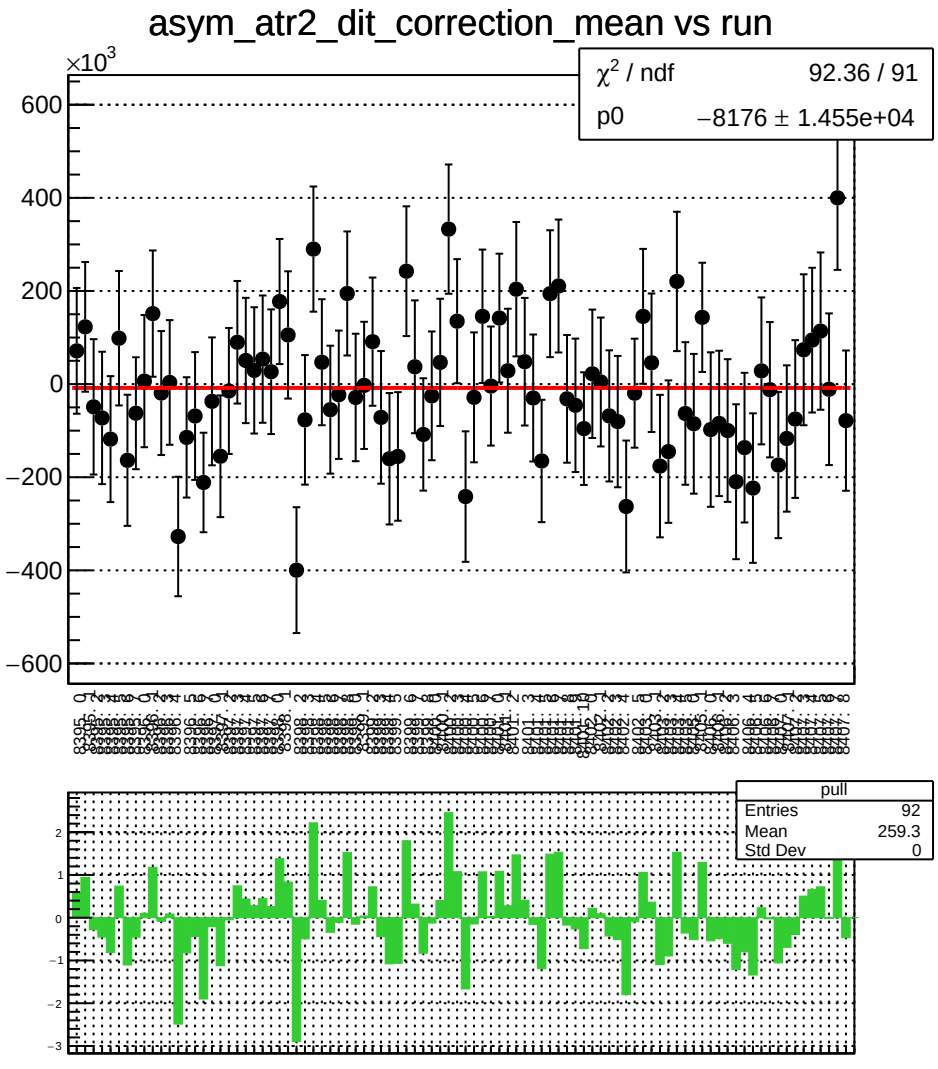

pull1D
Entries 92
Mean 0.003772
Std Dev 0.9987

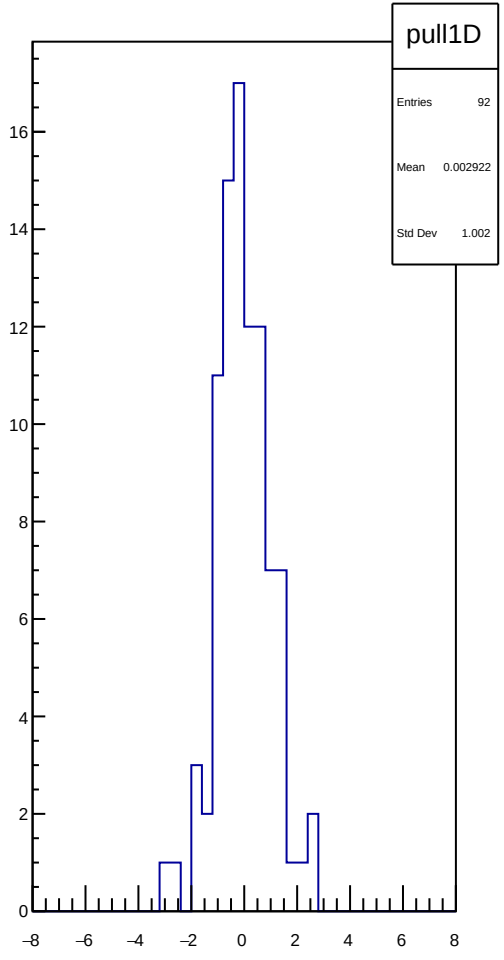

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 8107 / 91
p0 1.343e+04 ± 10.25
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000

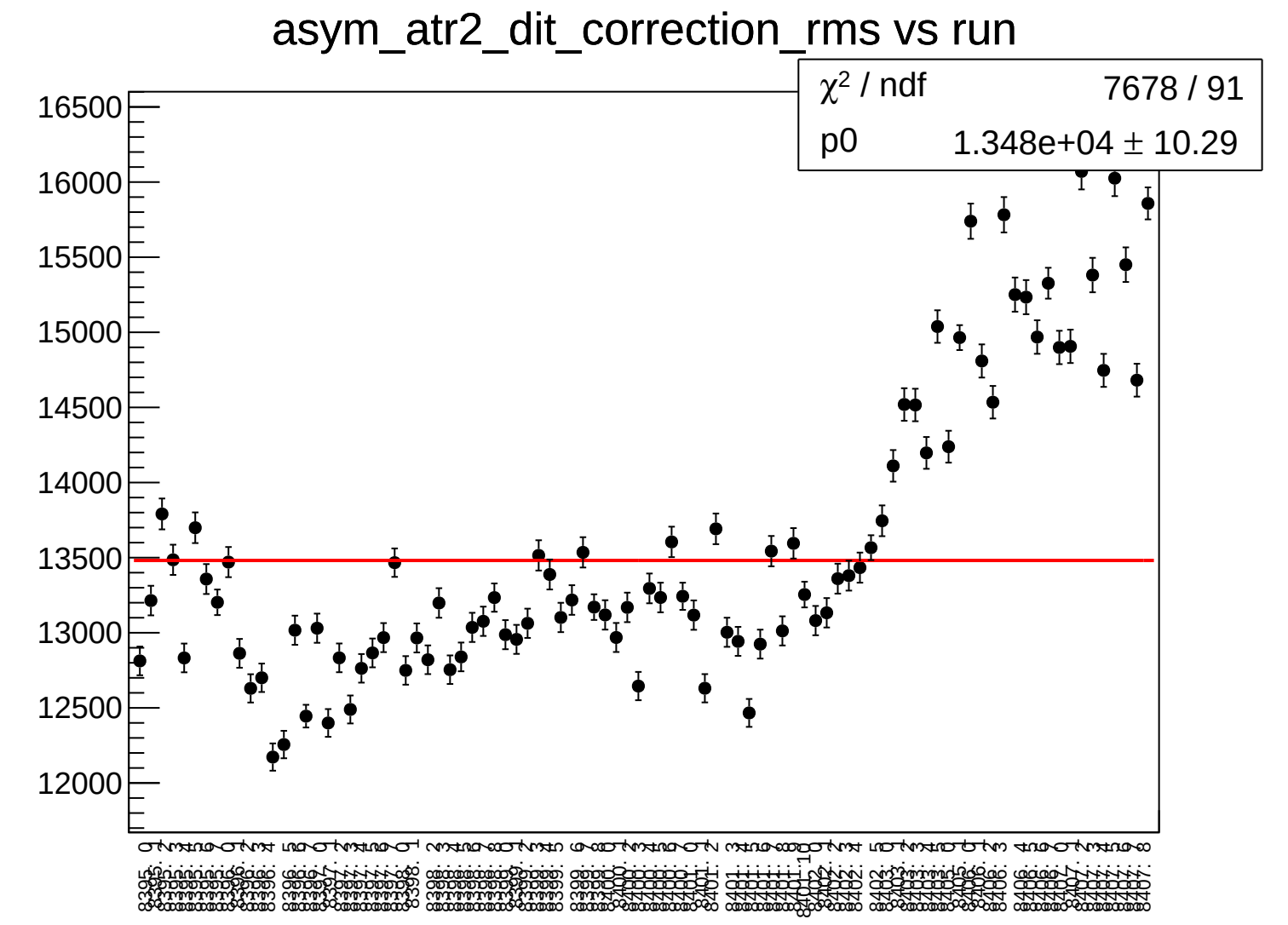

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 108.8 / 91
p0 1312 ± 3006
100
50
0
−50
−100
pull
Entries 92
Mean 4770
Std Dev 0
2
1
0
−1
−2

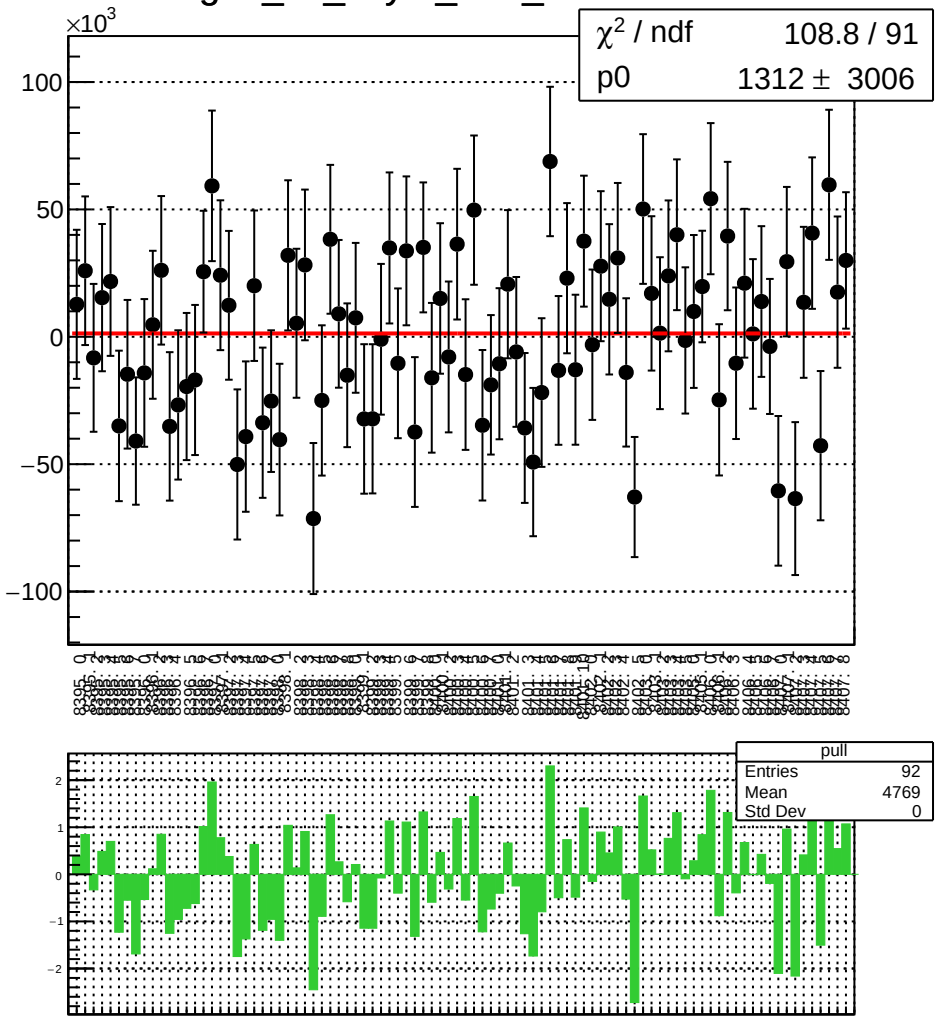

pull1D
Entries 92
Mean 0.0009651
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

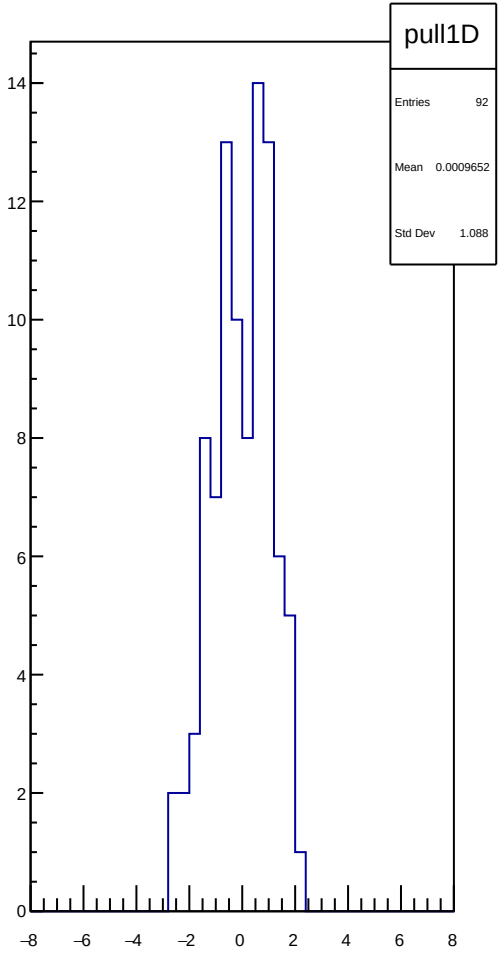

dit_asym_atr2_rms vs run
χ² / ndf 135.1 / 91
p0 2791 ± 2.126
2900
2850
2800
2750
2700

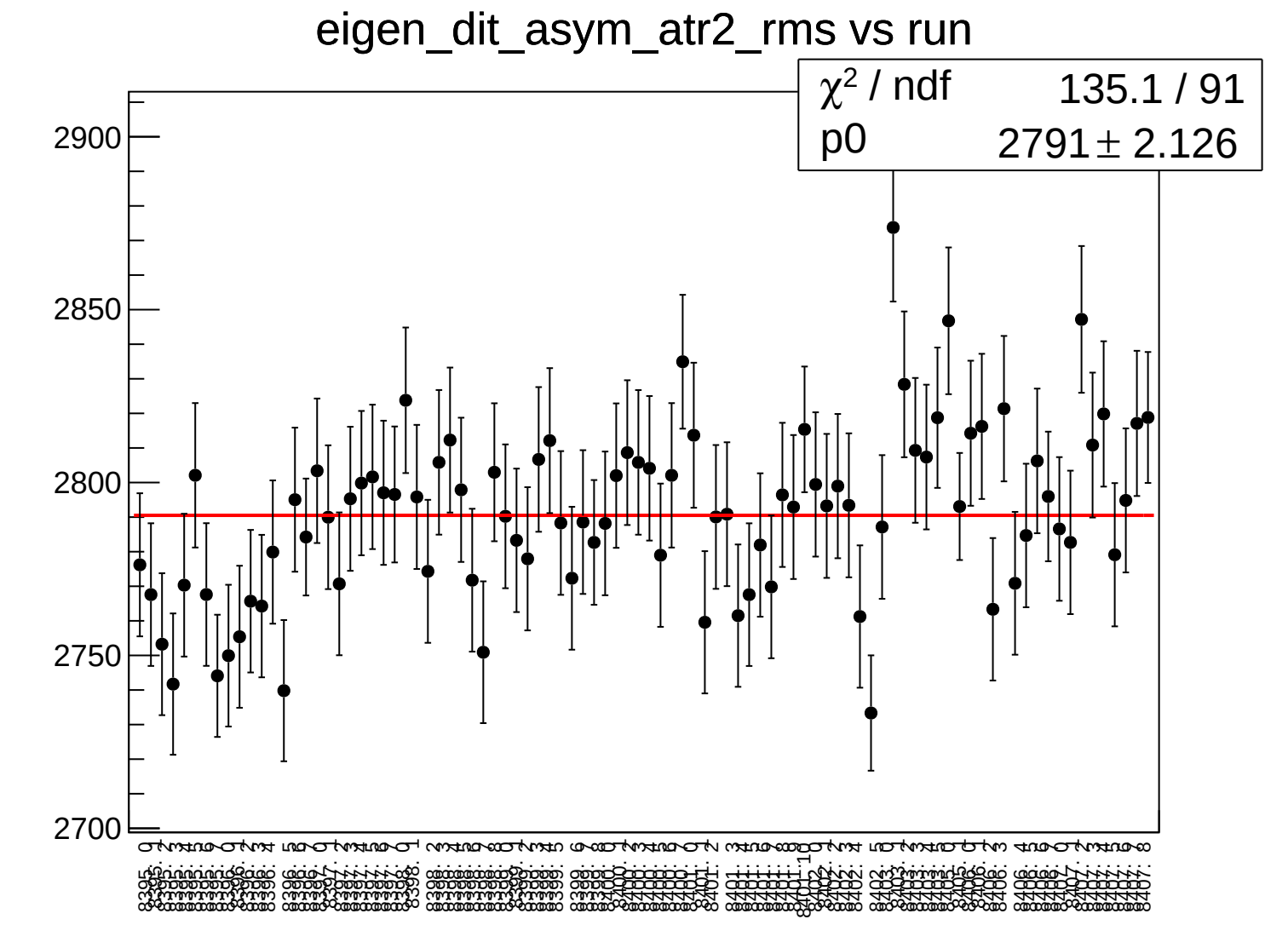

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 92.36 / 91
p0 −8176 ± 1.455e+04
600
400
200
0
−200
−400
−600
pull
Entries 92
Mean 259.3
Std Dev 0
2
1
0
−1
−2
−3

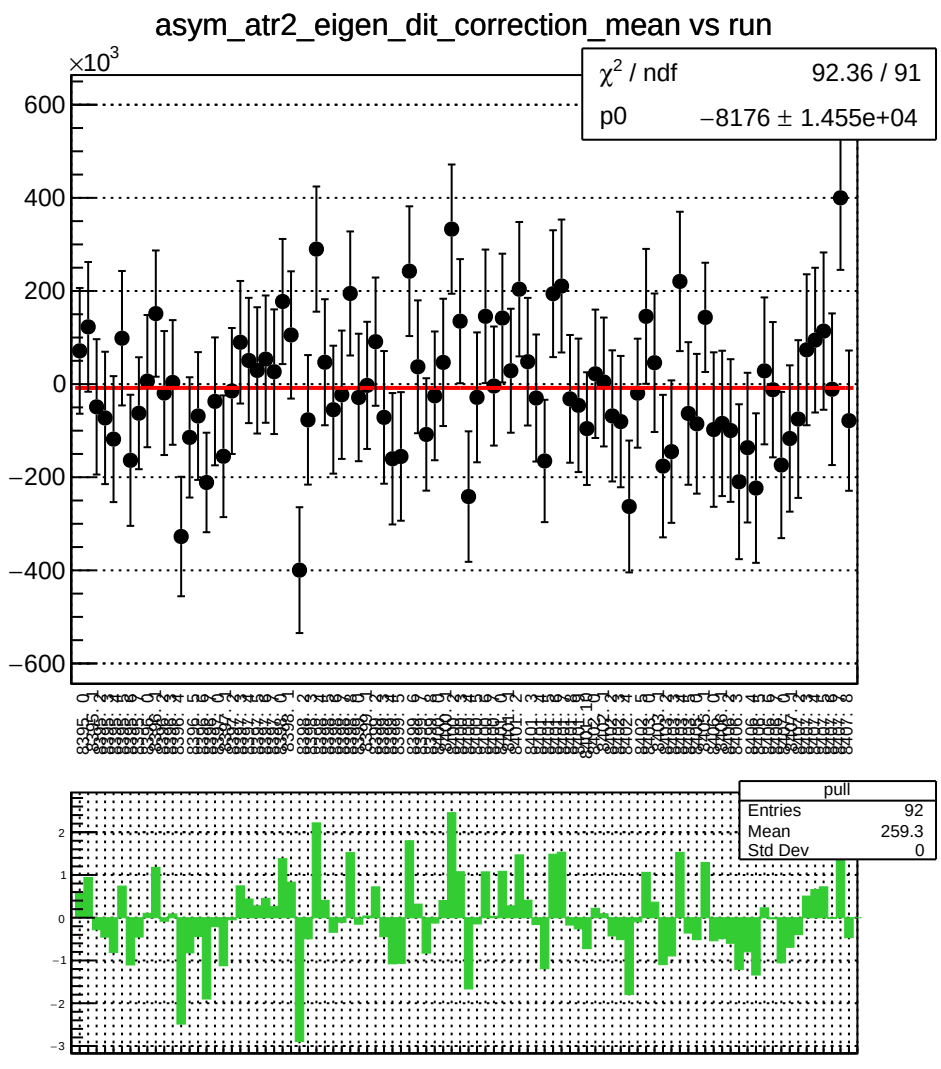

pull1D
Entries 92
Mean 0.002922
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

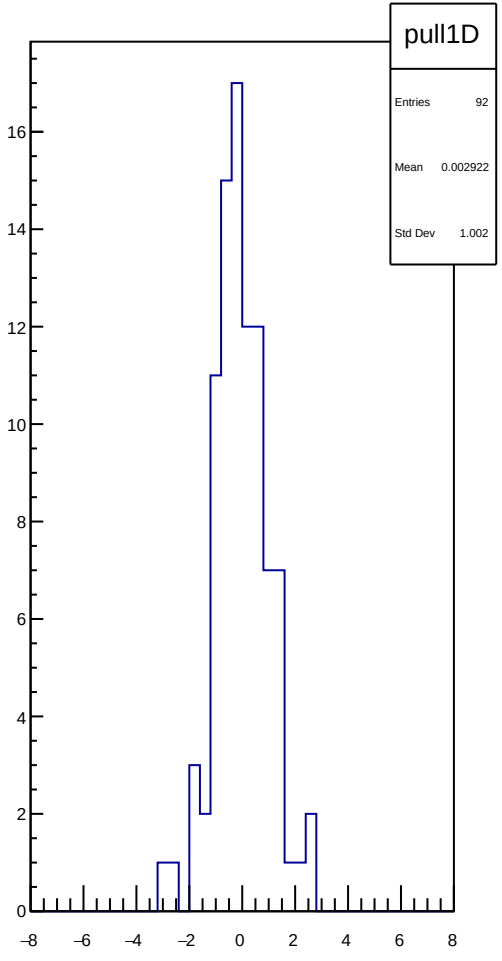

asym_atr2_dit_correction_rms vs run
χ² / ndf 7678 / 91
p0 1.348e+04 ± 10.29
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000

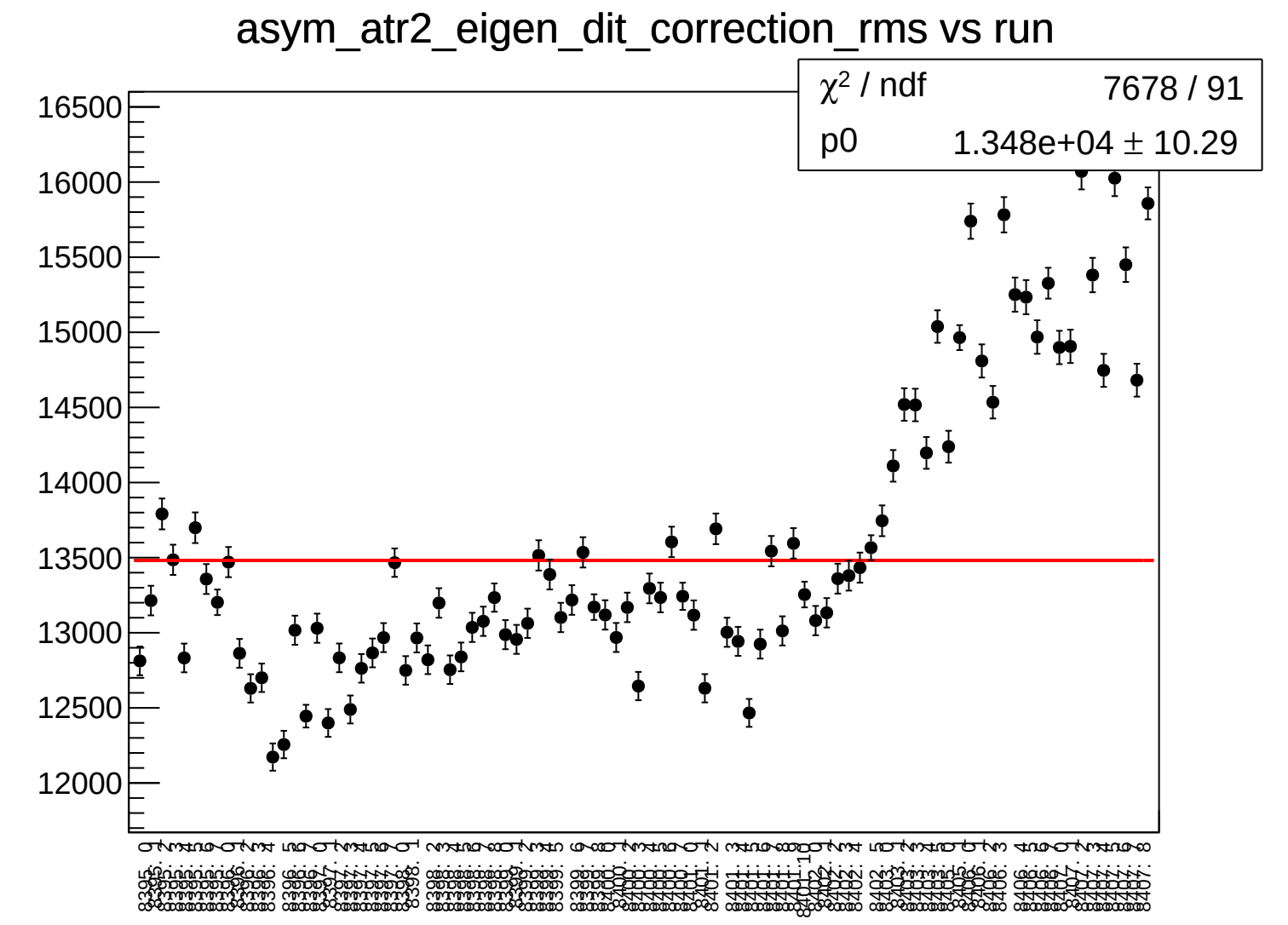

eigen_dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 108.8 / 91
p0 1312 ± 3006
100
50
0
−50
−100
pull
Entries 92
Mean 4769
Std Dev 0
2
1
0
−1
−2

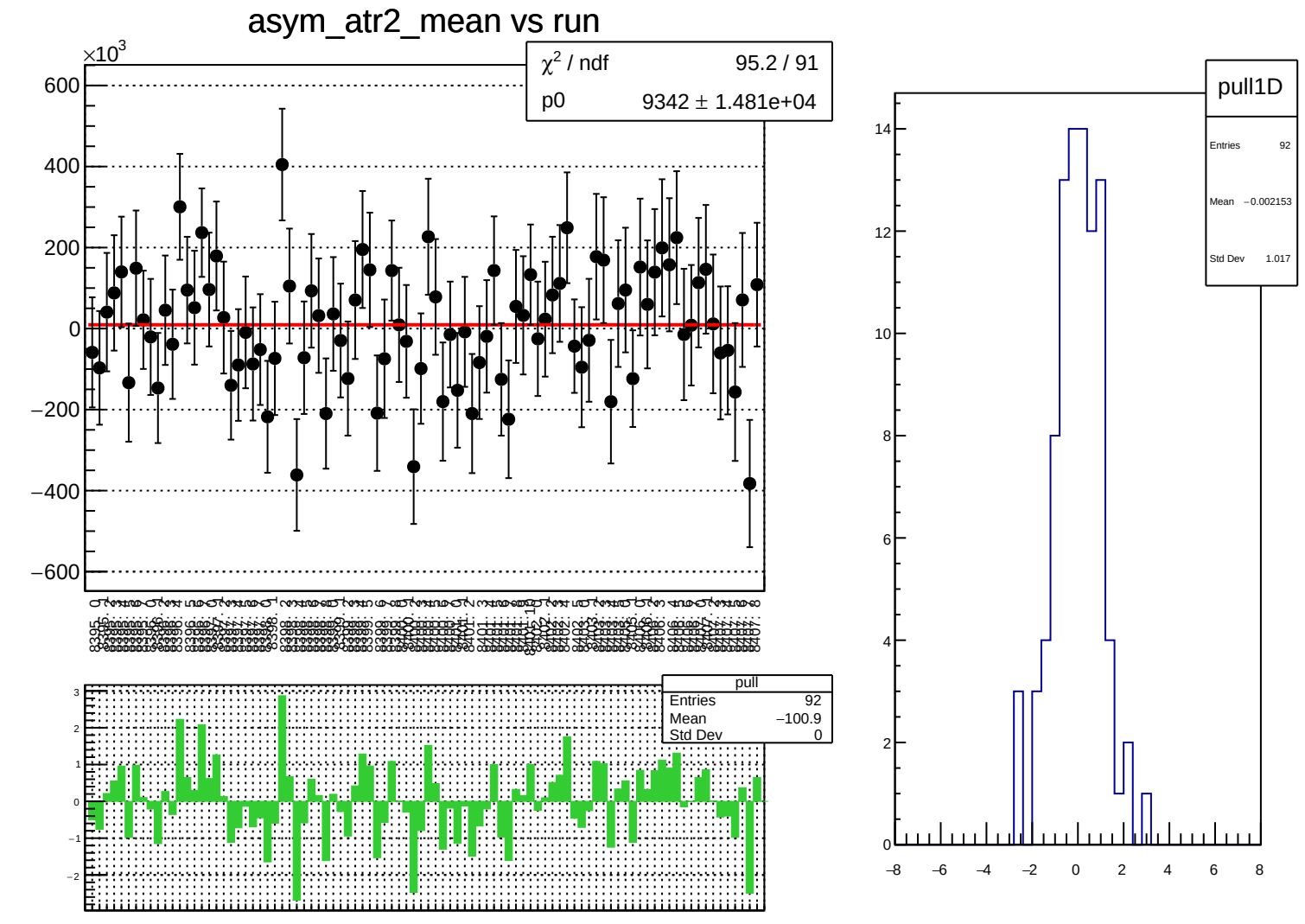

pull1D
Entries 92
Mean 0.0009652
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

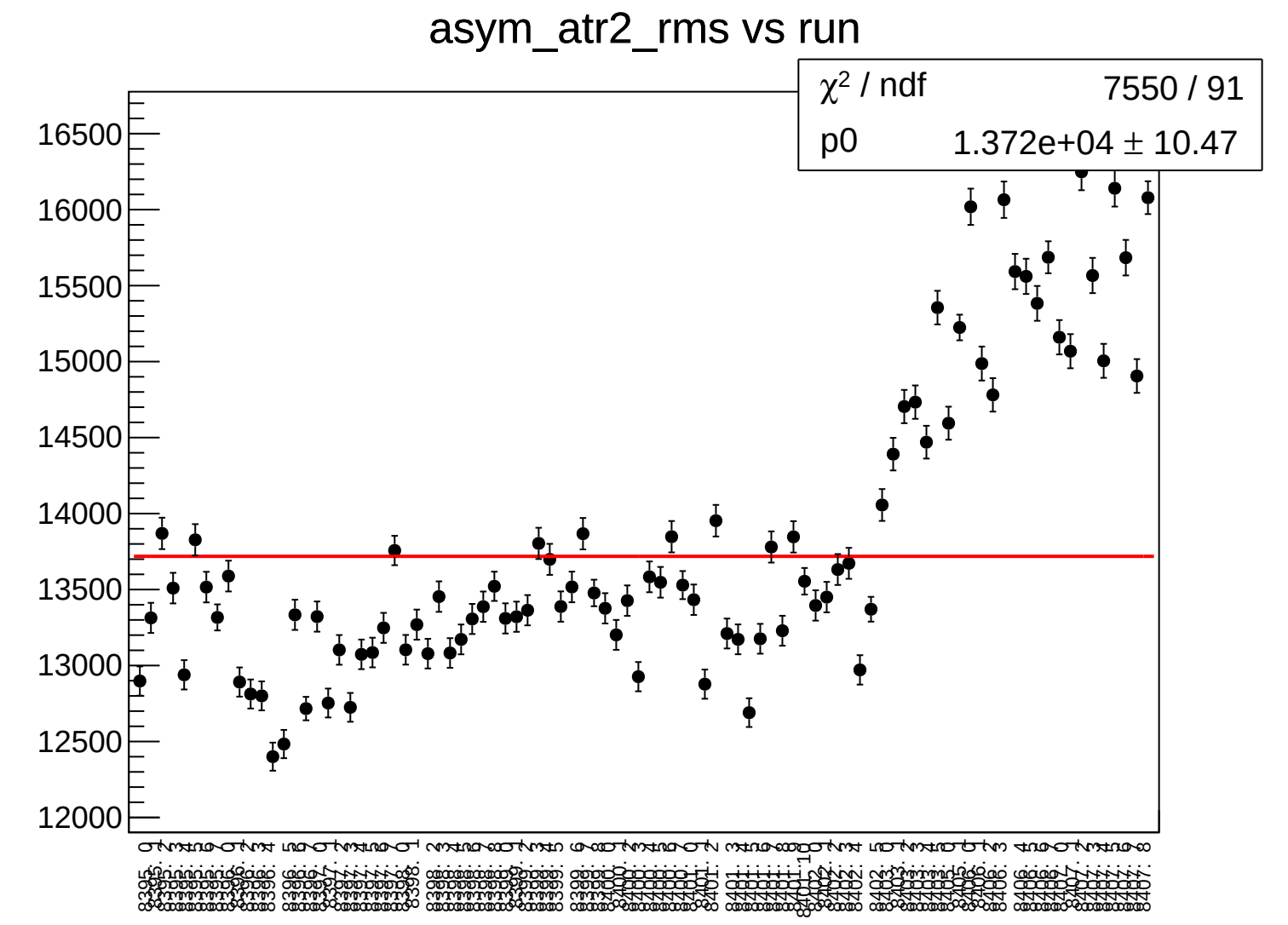

eigen_dit_asym_atr2_rms vs run
χ² / ndf 135.1 / 91
p0 2791 ± 2.126
2900
2850
2800
2750
2700

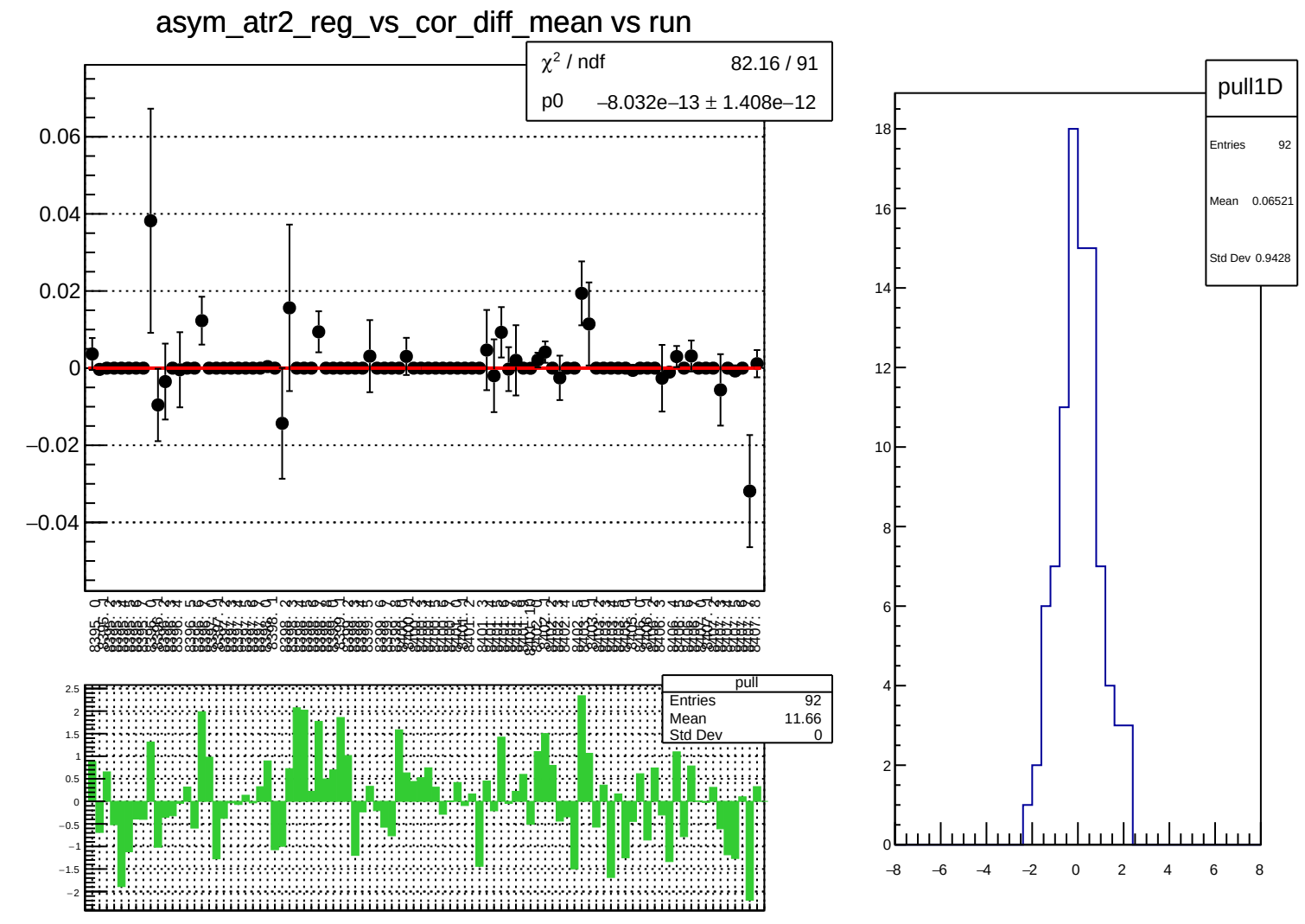

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.36 / 91
p0 −8176 ± 1.455e+04
pull
Entries 92
Mean 259.3
Std Dev 0

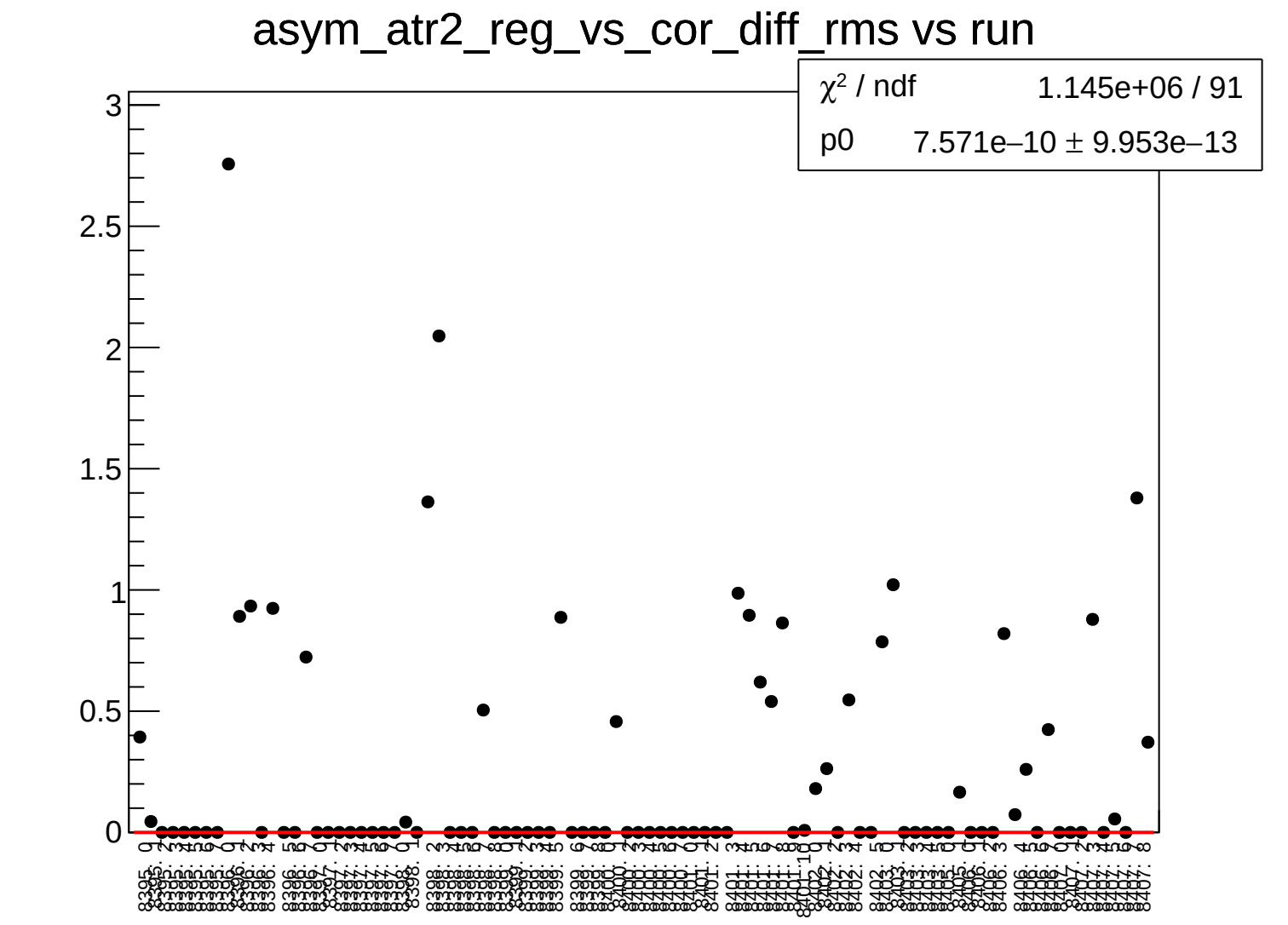

pull1D
Entries 92
Mean 0.002922
Std Dev 1.002

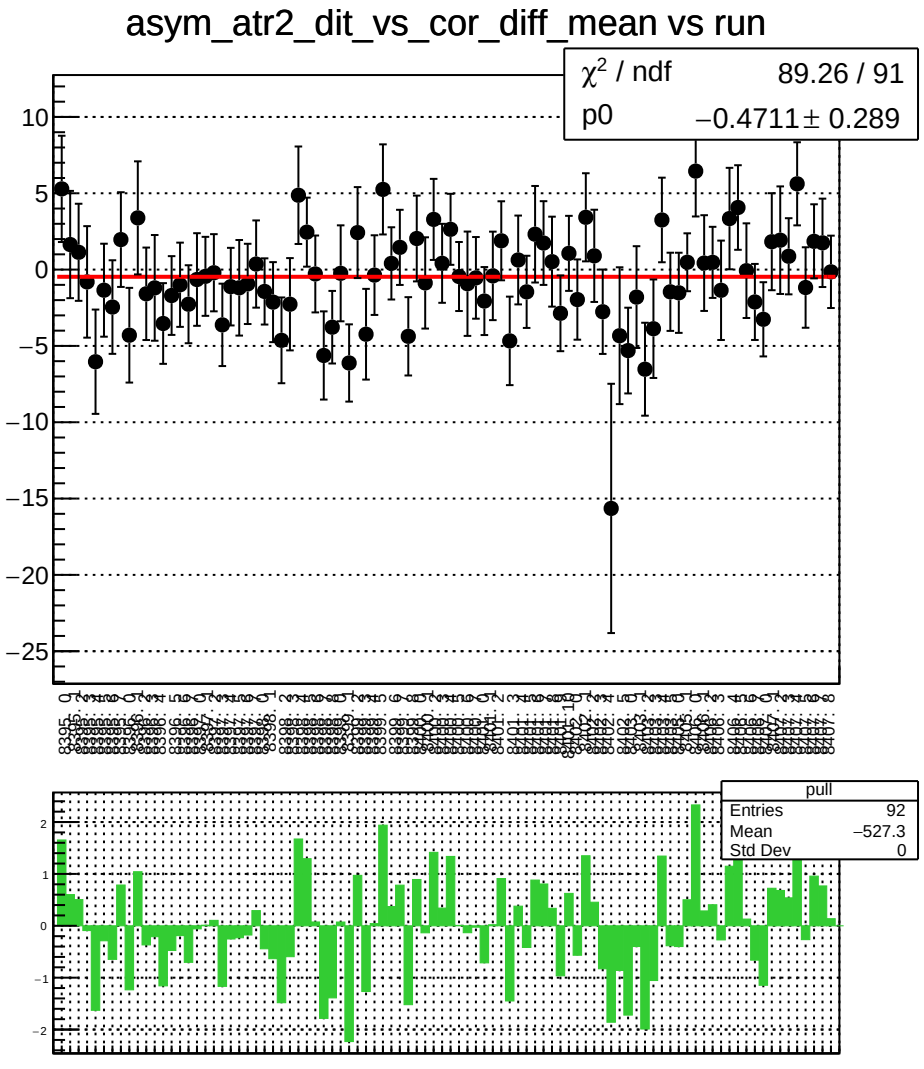

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 7678 / 91
p0 1.348e+04 ± 10.29
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000

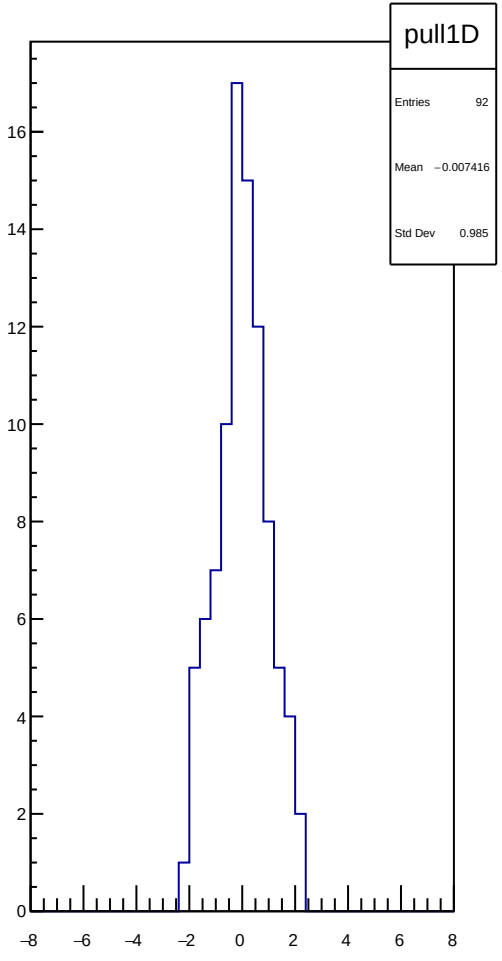

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 95.2 / 91
p0 9342 ± 1.481e+04
pull
Entries 92
Mean −100.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002153
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

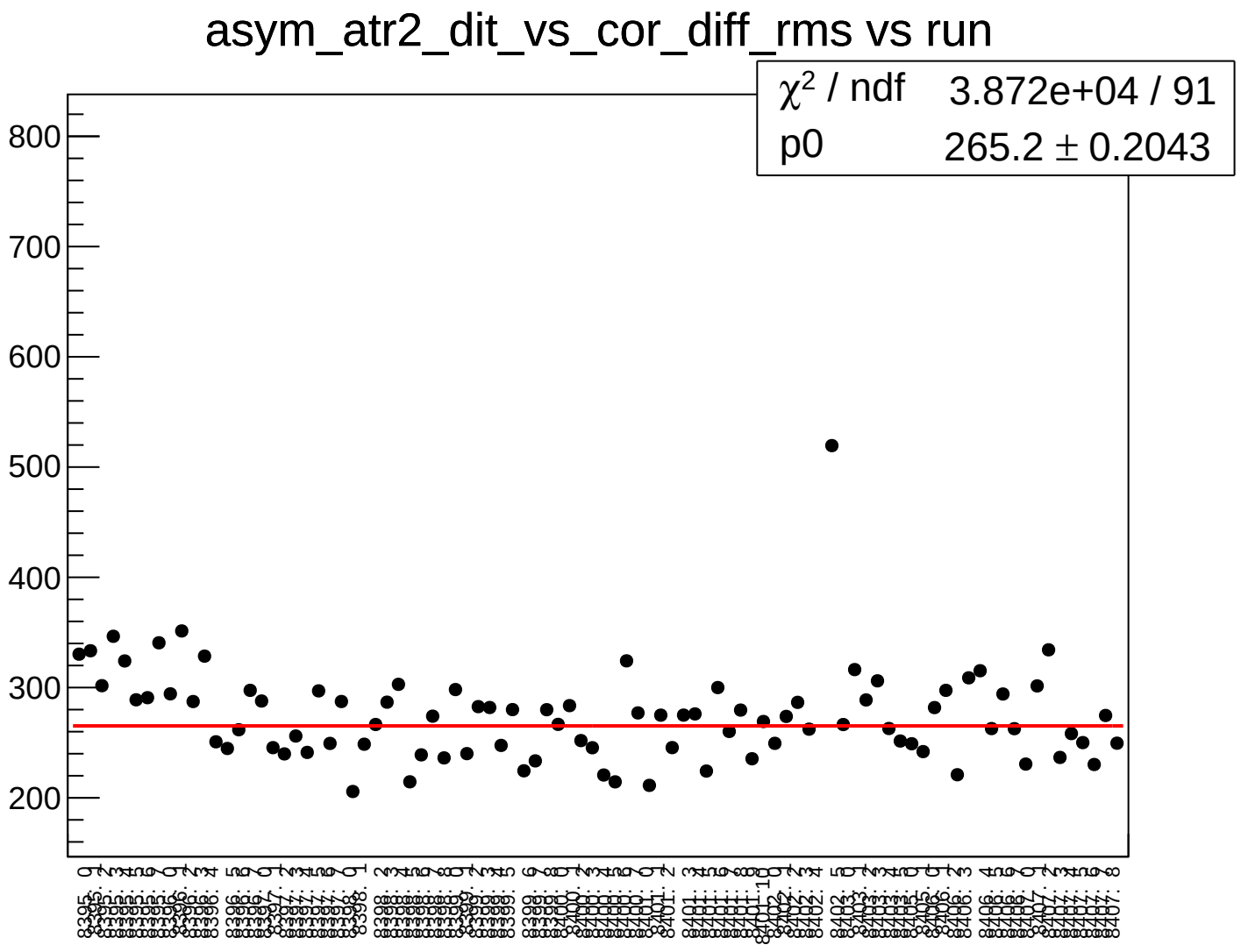

asym_atr2_rms vs run
χ² / ndf 7550 / 91
p0 1.372e+04 ± 10.47
16500
16000
15500
15000
14500
14000
13500
13000
12500
12000

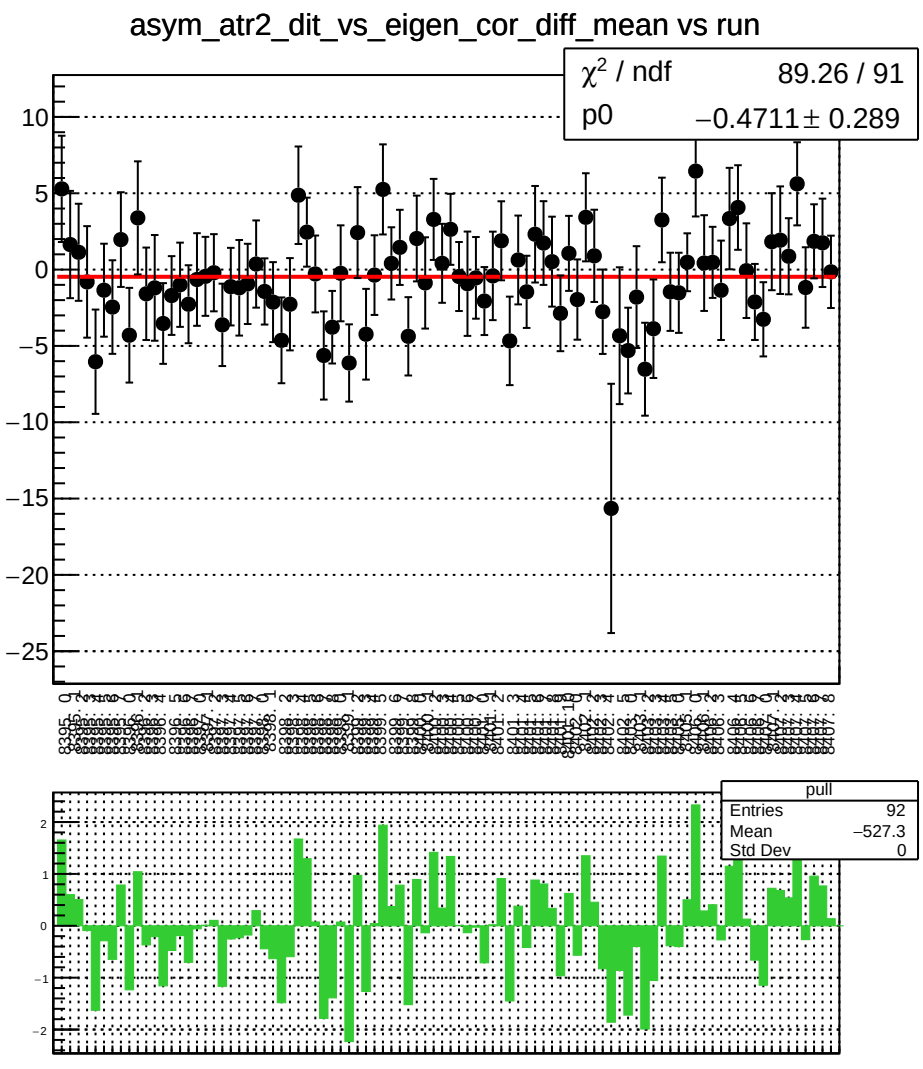

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 82.16 / 91
p0 −8.032e−13 ± 1.408e−12
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 92
Mean 11.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.06521
Std Dev 0.9428
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

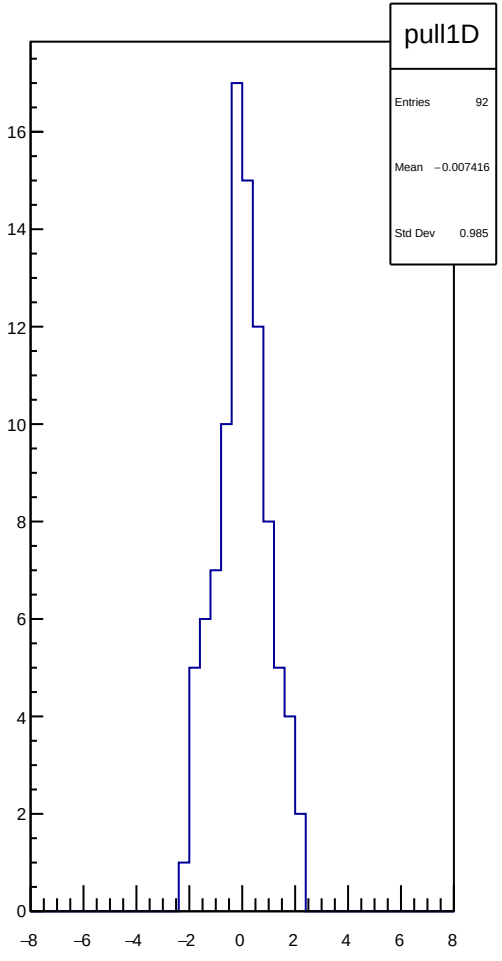

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.145e+06 / 91
p0 7.571e−10 ± 9.953e−13
3
2.5
2
1.5
1
0.5
0

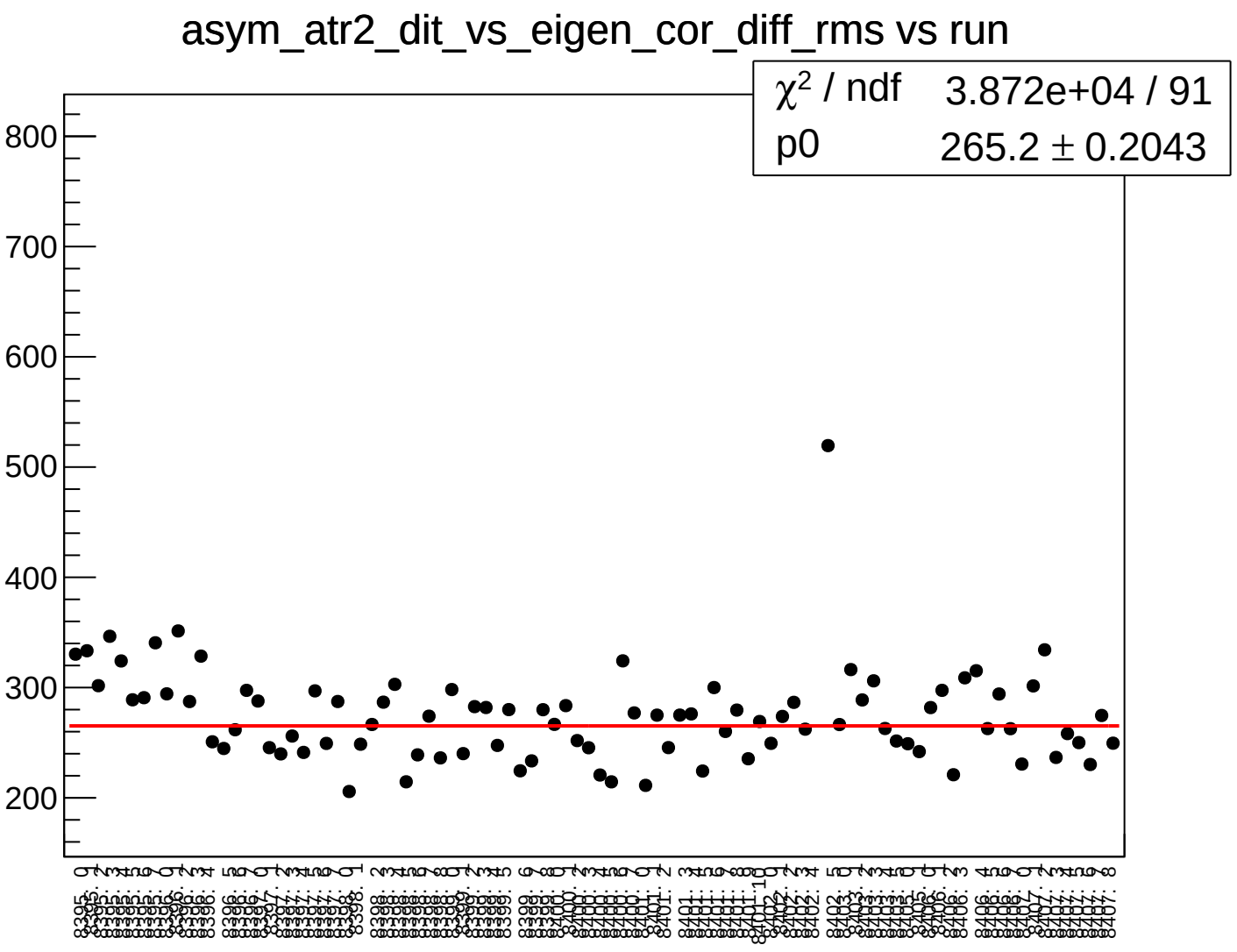

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 89.26 / 91
p0 −0.4711 ± 0.289
pull
Entries 92
Mean −527.3
Std Dev 0

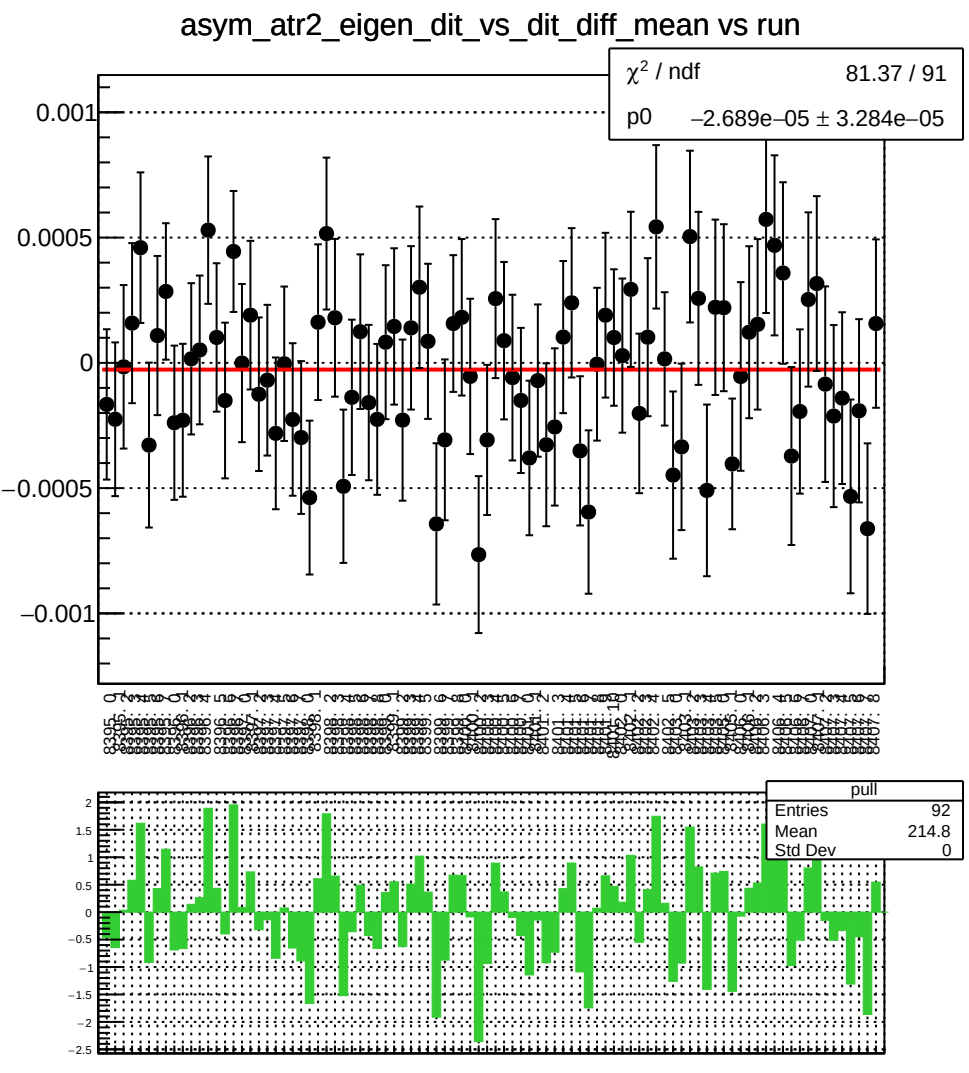

pull1D
Entries 92
Mean −0.007416
Std Dev 0.985

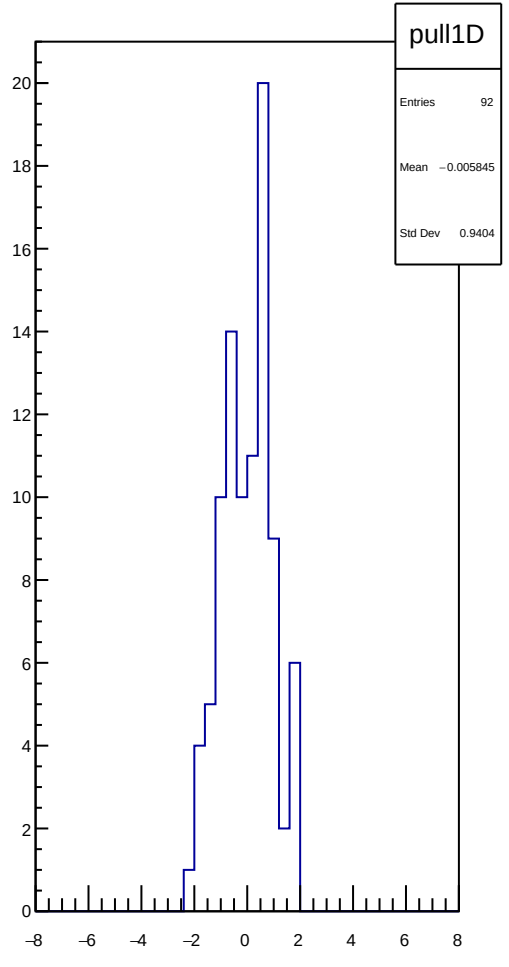

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 3.872e+04 / 91
p0 265.2 ± 0.2043
800
700
600
500
400
300
200

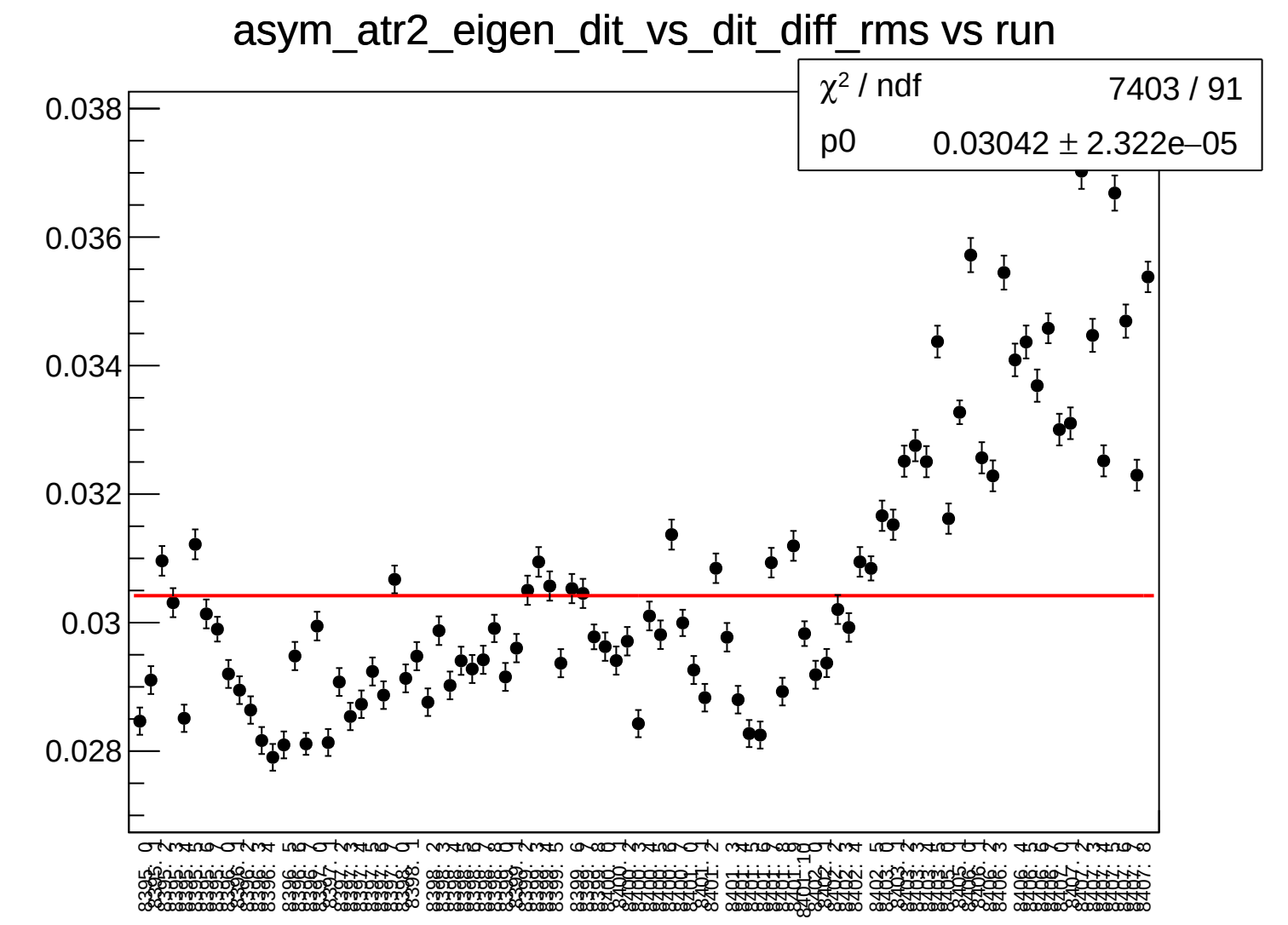

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.26 / 91
p0 −0.4711 ± 0.289
pull
Entries 92
Mean −527.3
Std Dev 0

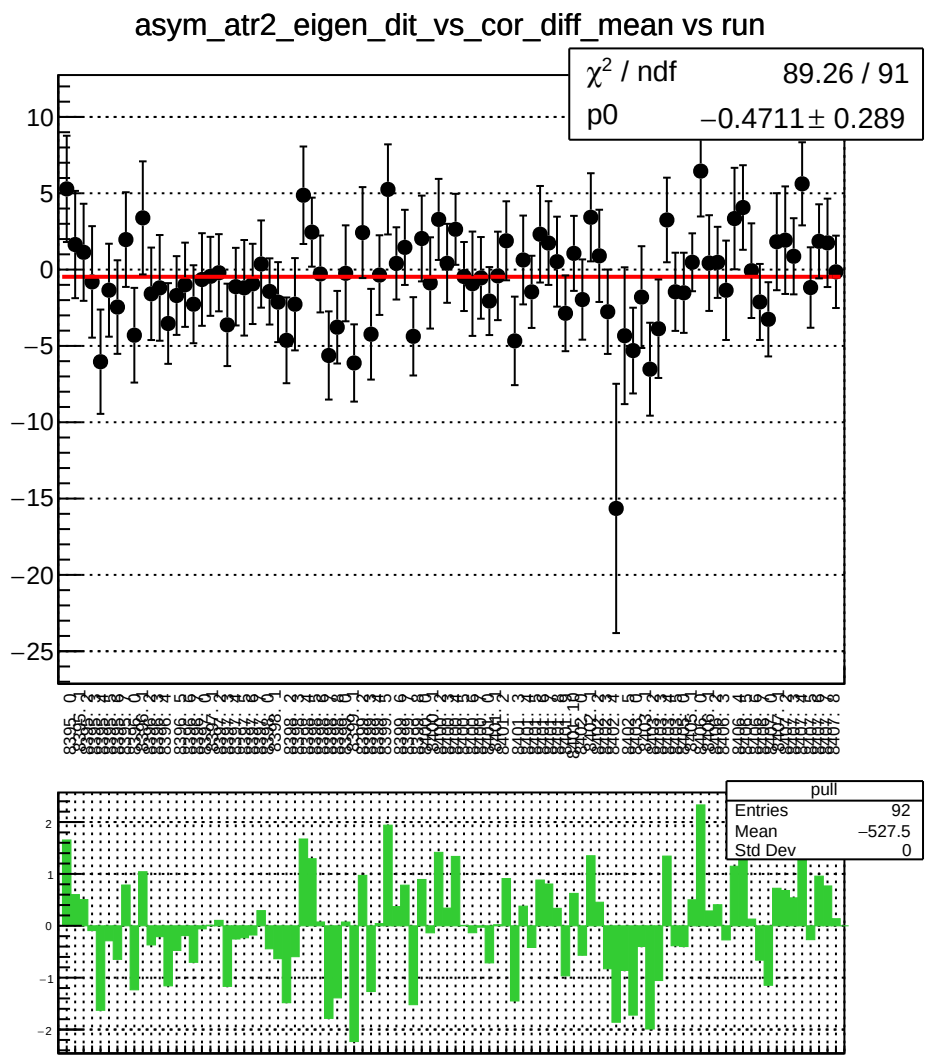

pull1D
Entries 92
Mean −0.007416
Std Dev 0.985

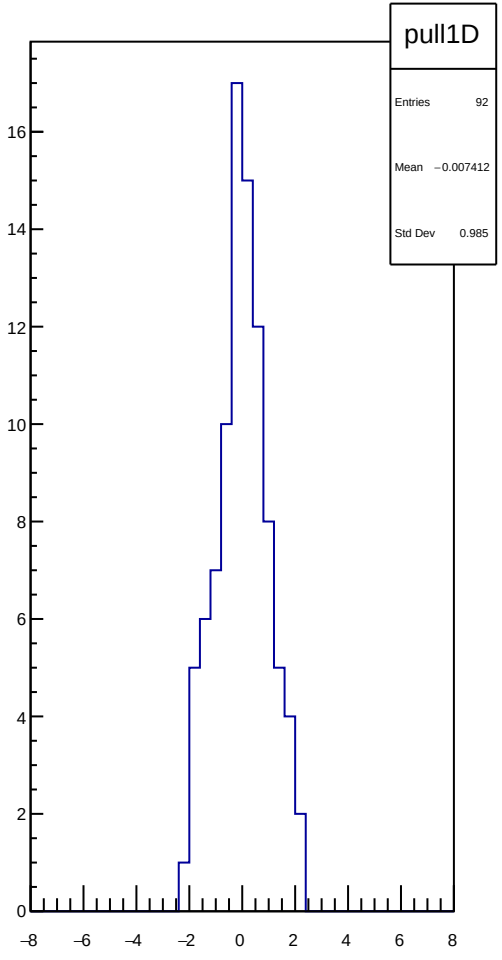

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.872e+04 / 91
p0 265.2 ± 0.2043
800
700
600
500
400
300
200

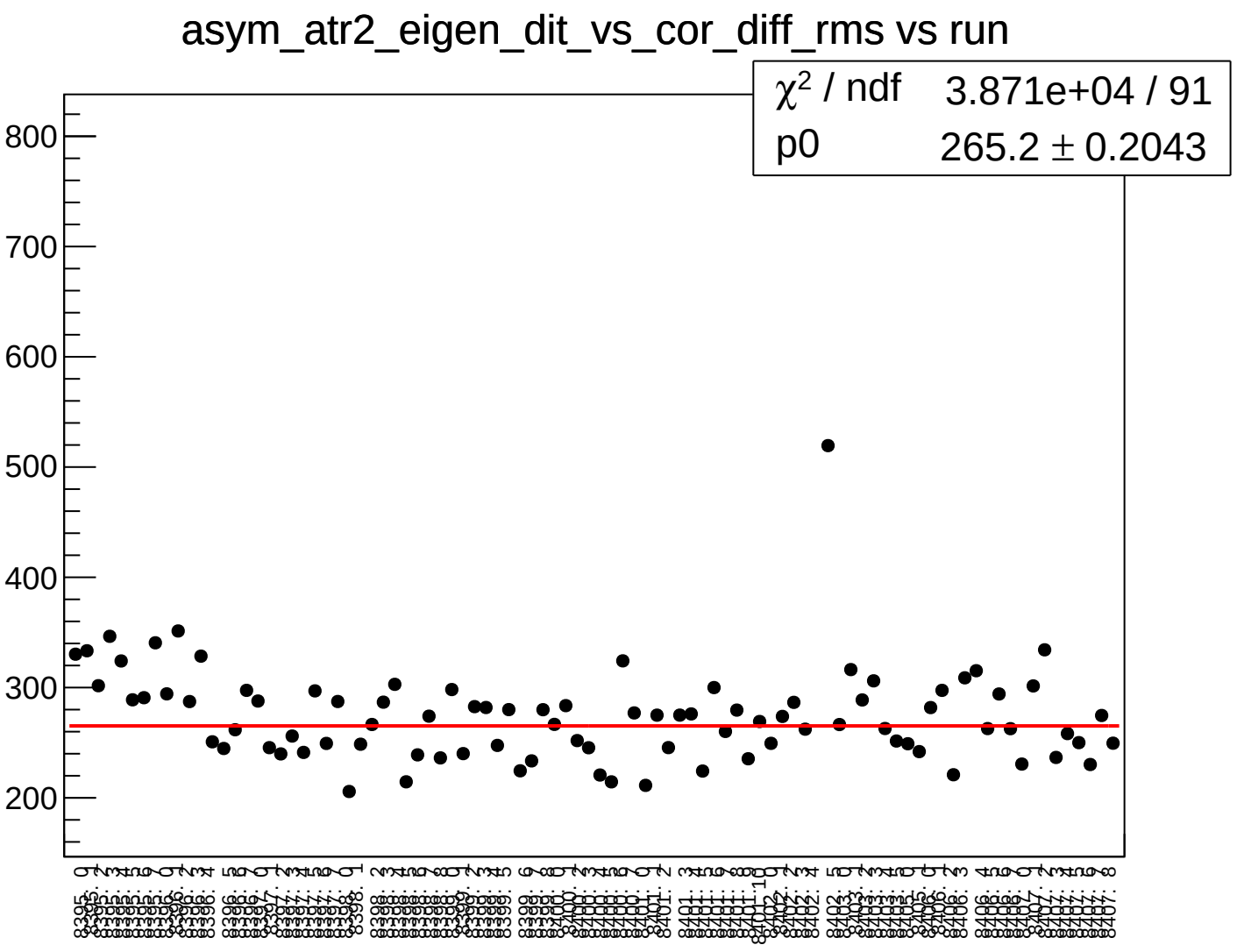

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 81.37 / 91
p0 −2.689e−05 ± 3.284e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 214.8
Std Dev 0

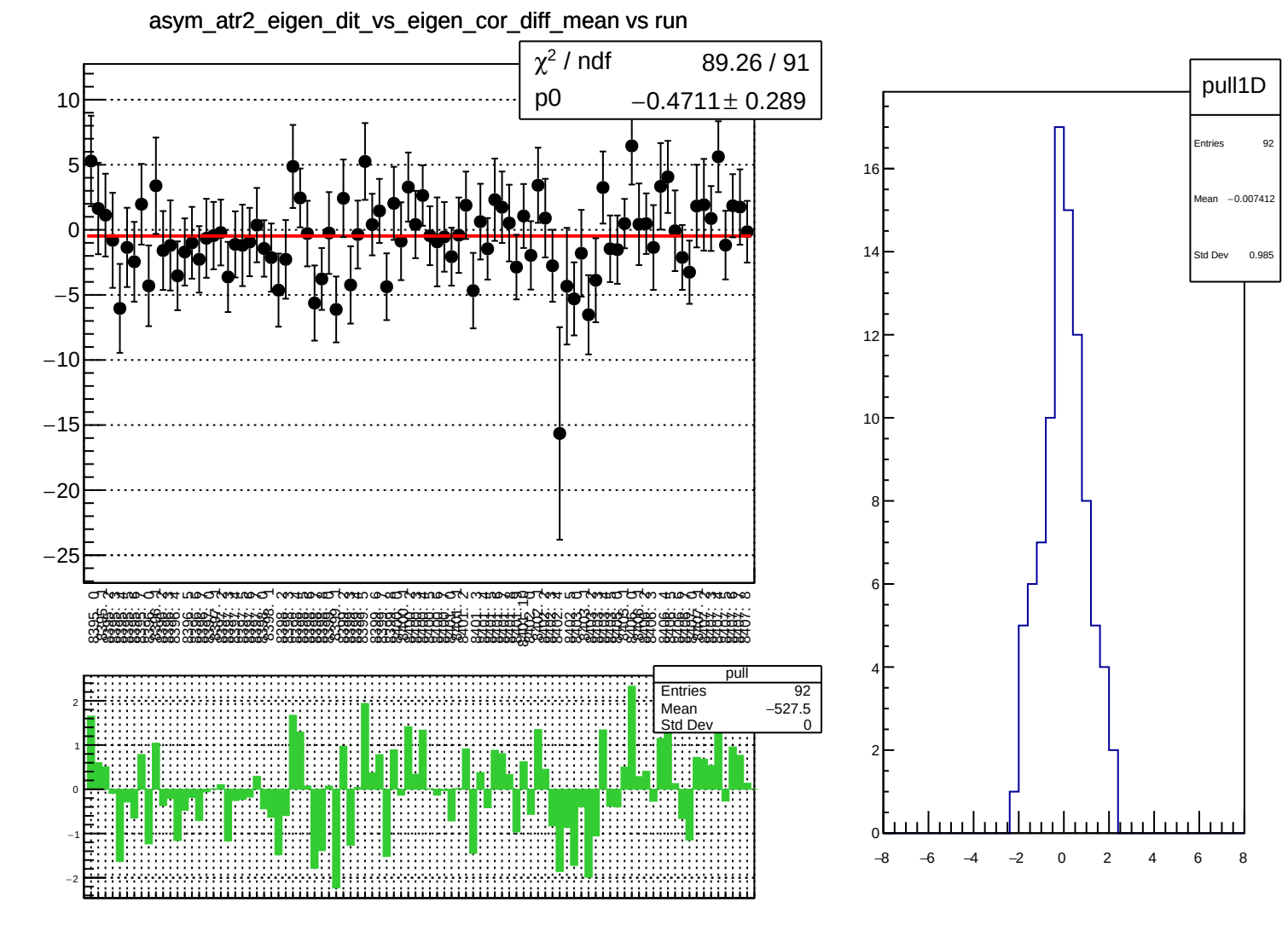

pull1D
Entries 92
Mean −0.005845
Std Dev 0.9404

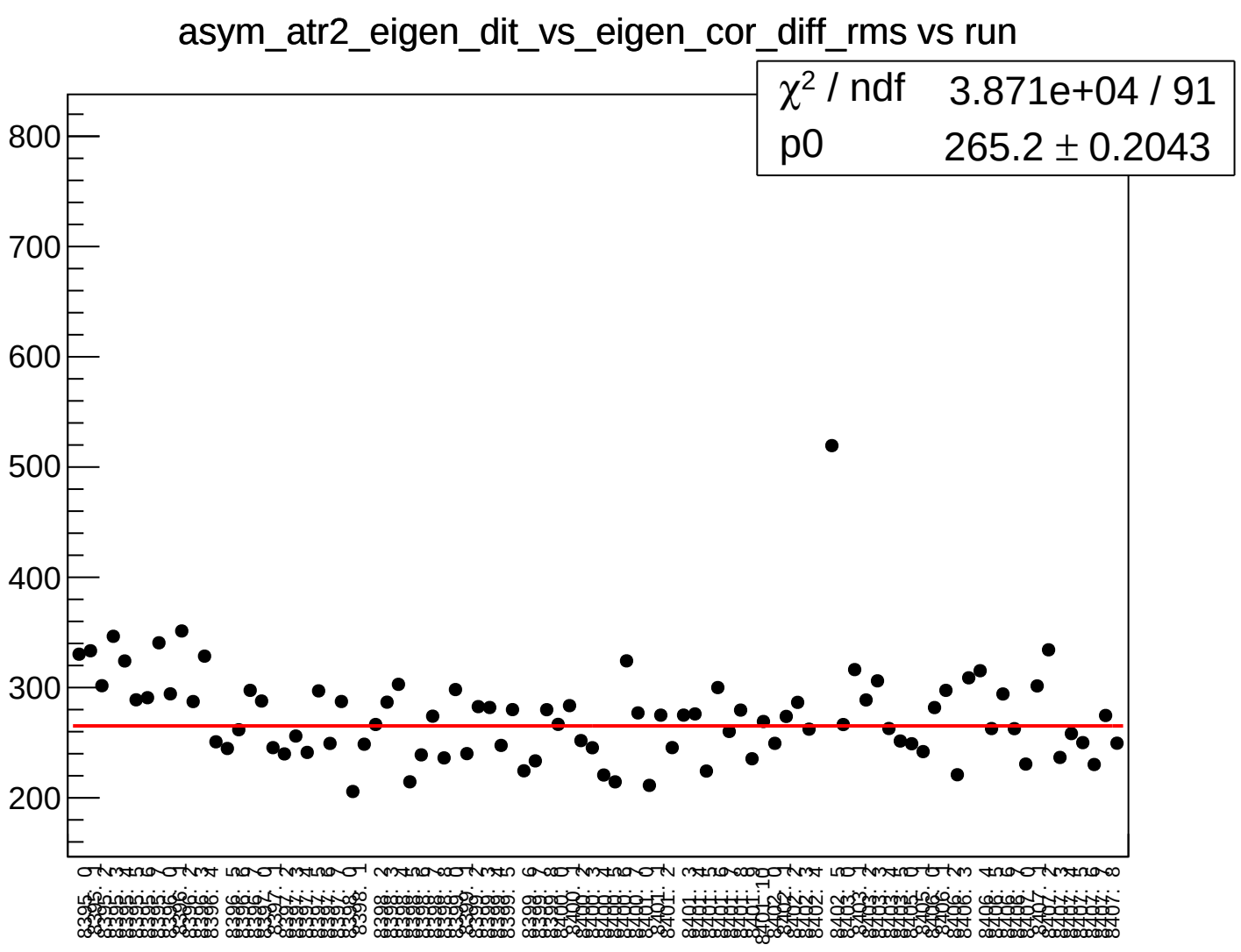

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7403 / 91
p0 0.03042 ± 2.322e−05
0.038
0.036
0.034
0.032
0.03
0.028

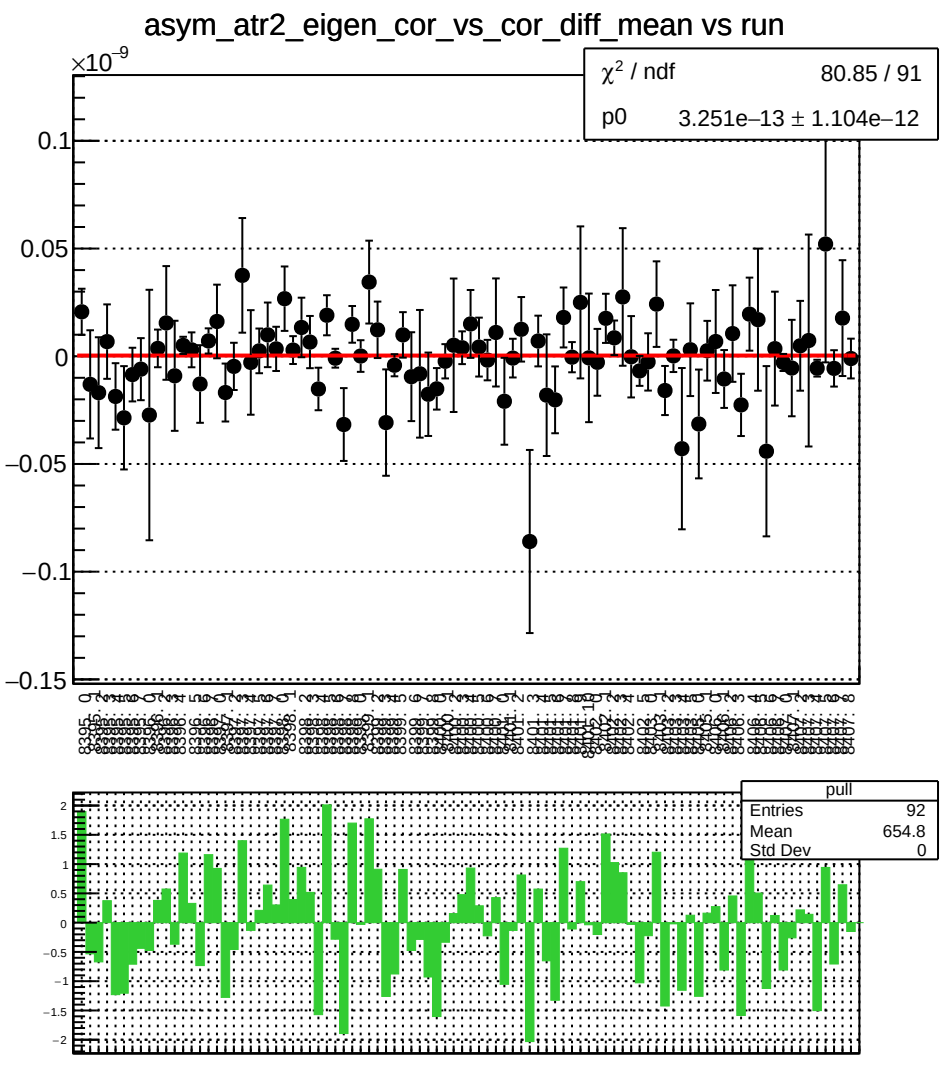

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.26 / 91
p0 −0.4711 ± 0.289
pull
Entries 92
Mean −527.5
Std Dev 0

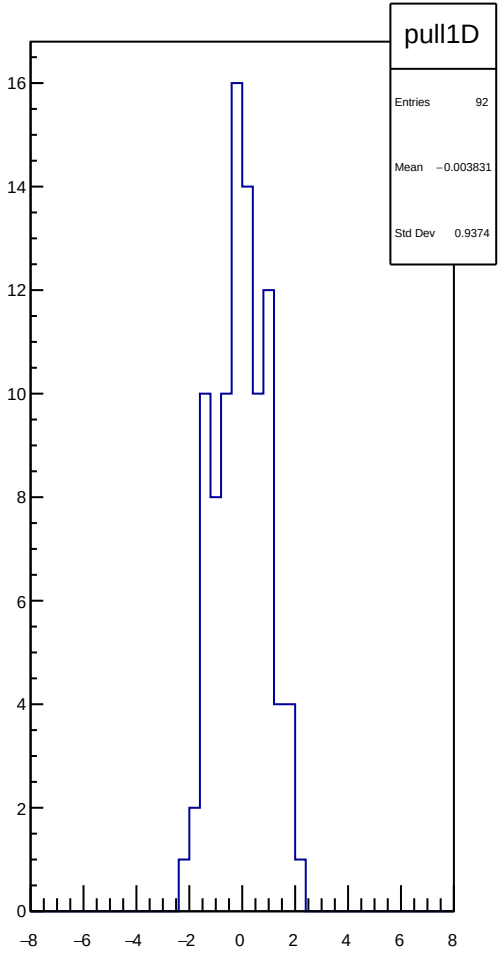

pull1D
Entries 92
Mean −0.007412
Std Dev 0.985

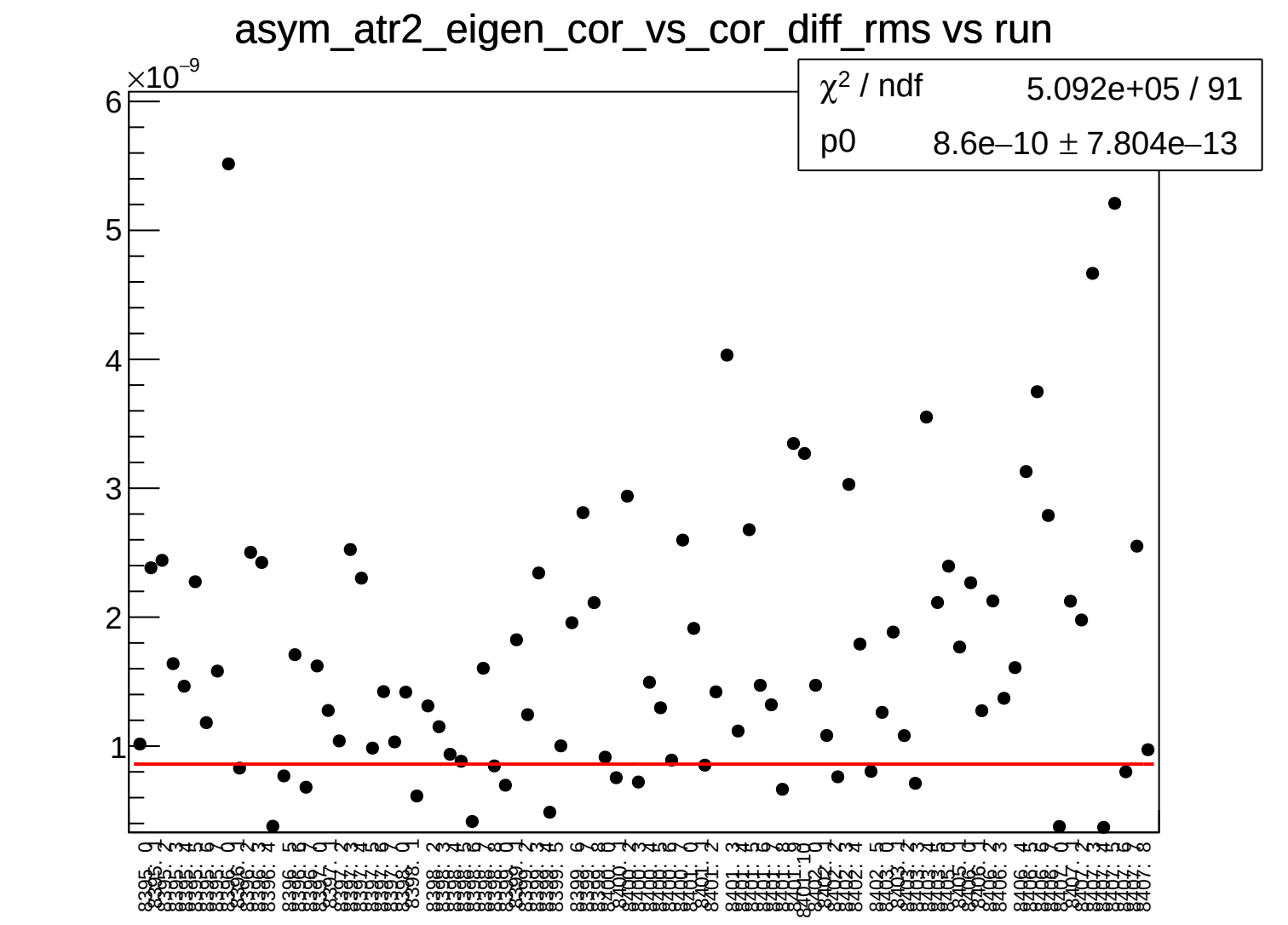

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.871e+04 / 91
p0 265.2 ± 0.2043
800
700
600
500
400
300
200

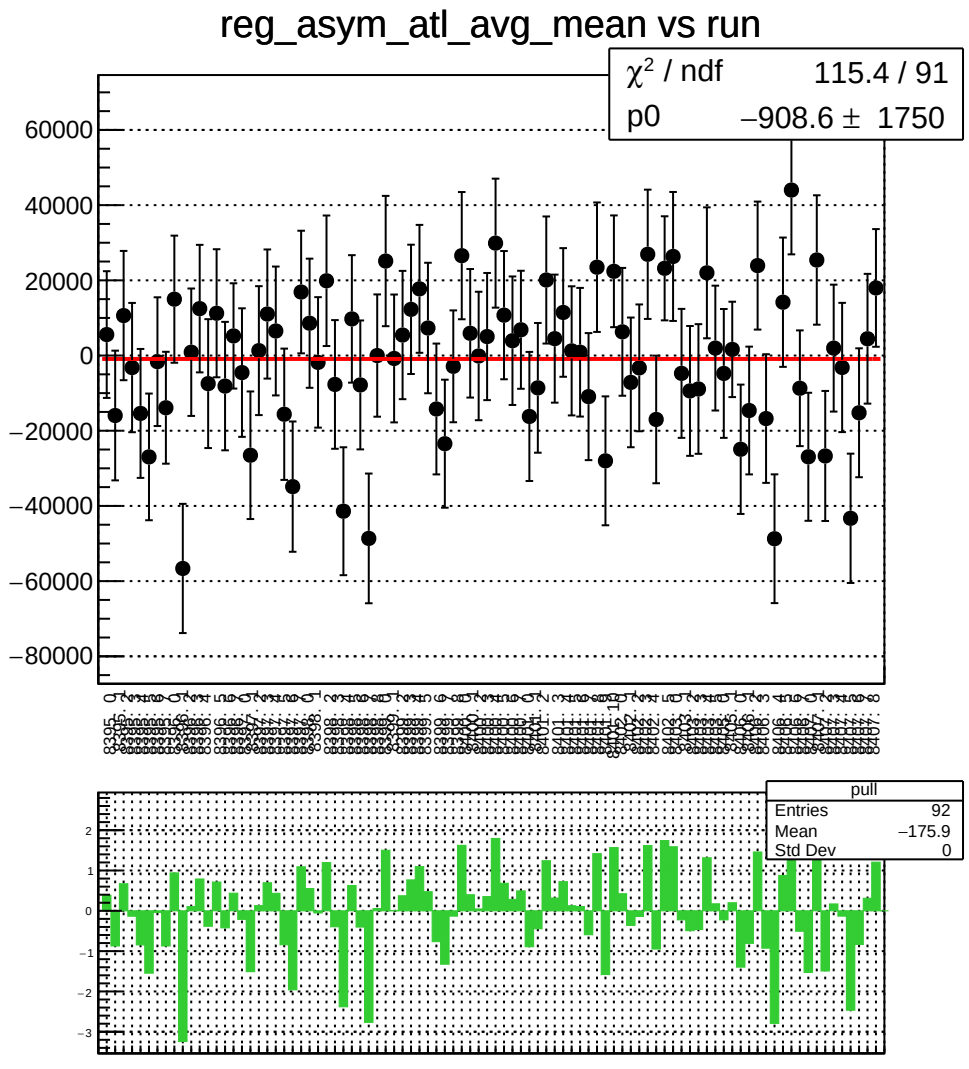

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.26 / 91
p0 −0.4711 ± 0.289
pull
Entries 92
Mean −527.5
Std Dev 0
pull1D
Entries 92
Mean −0.007412
Std Dev 0.985

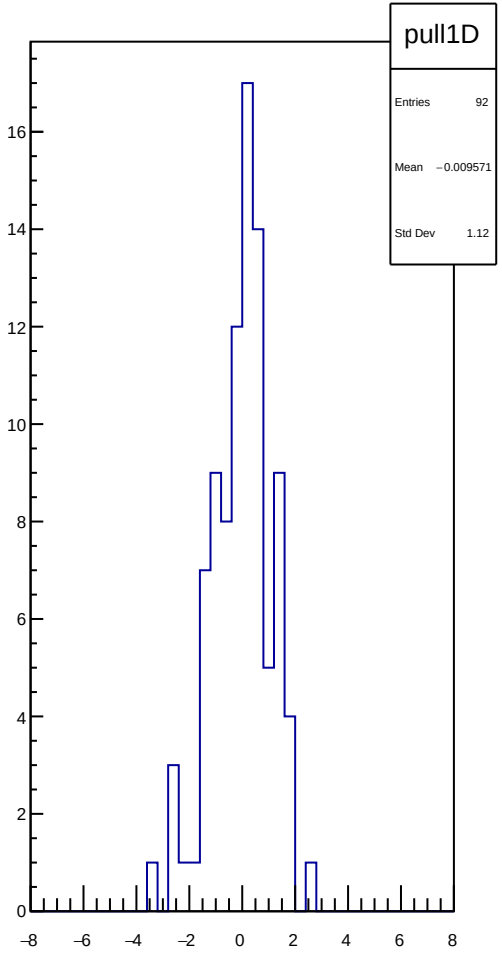

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.871e+04 / 91
p0 265.2 ± 0.2043
800
700
600
500
400
300
200

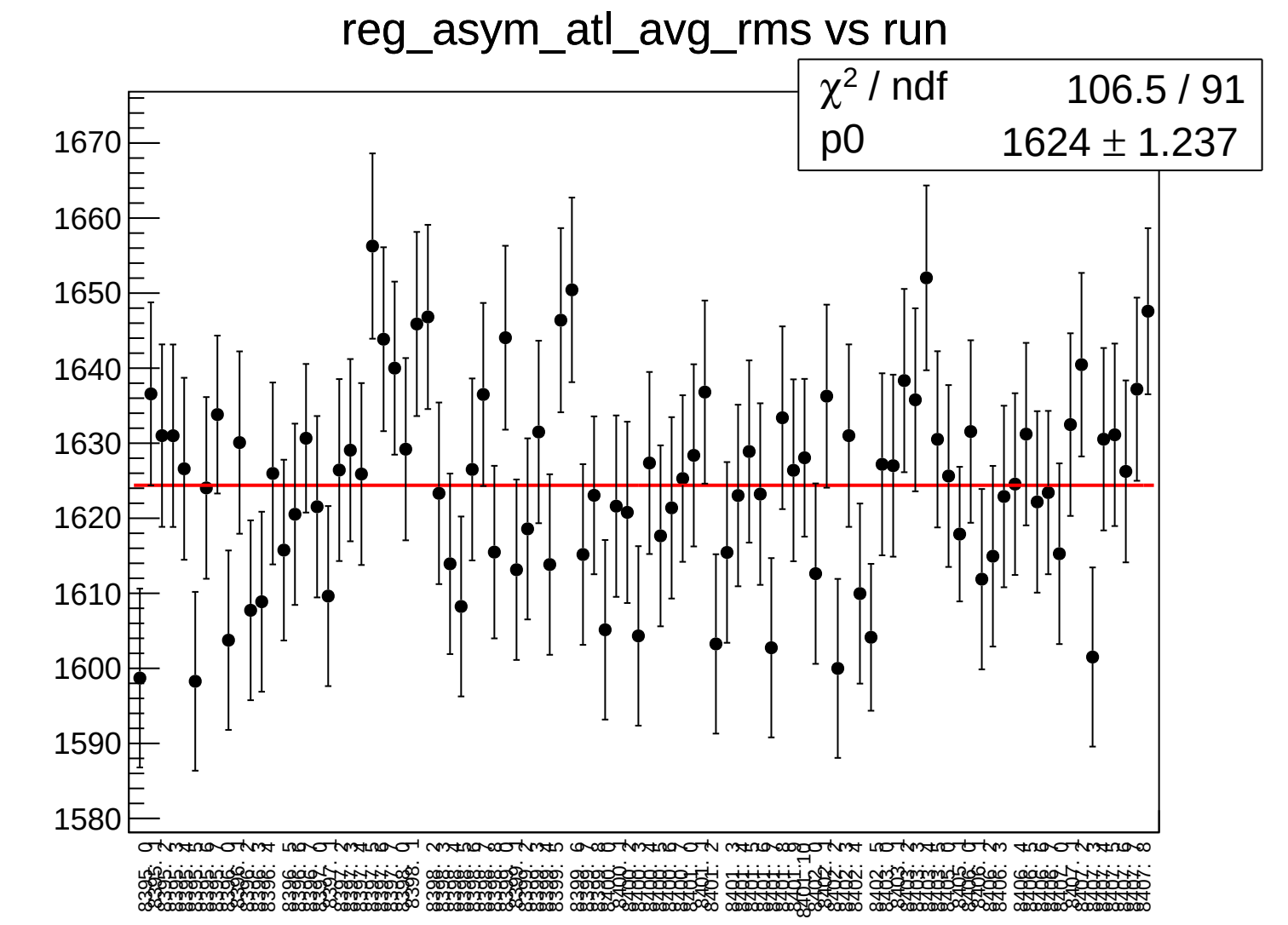

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 80.85 / 91
p0 3.251e−13 ± 1.104e−12
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 654.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

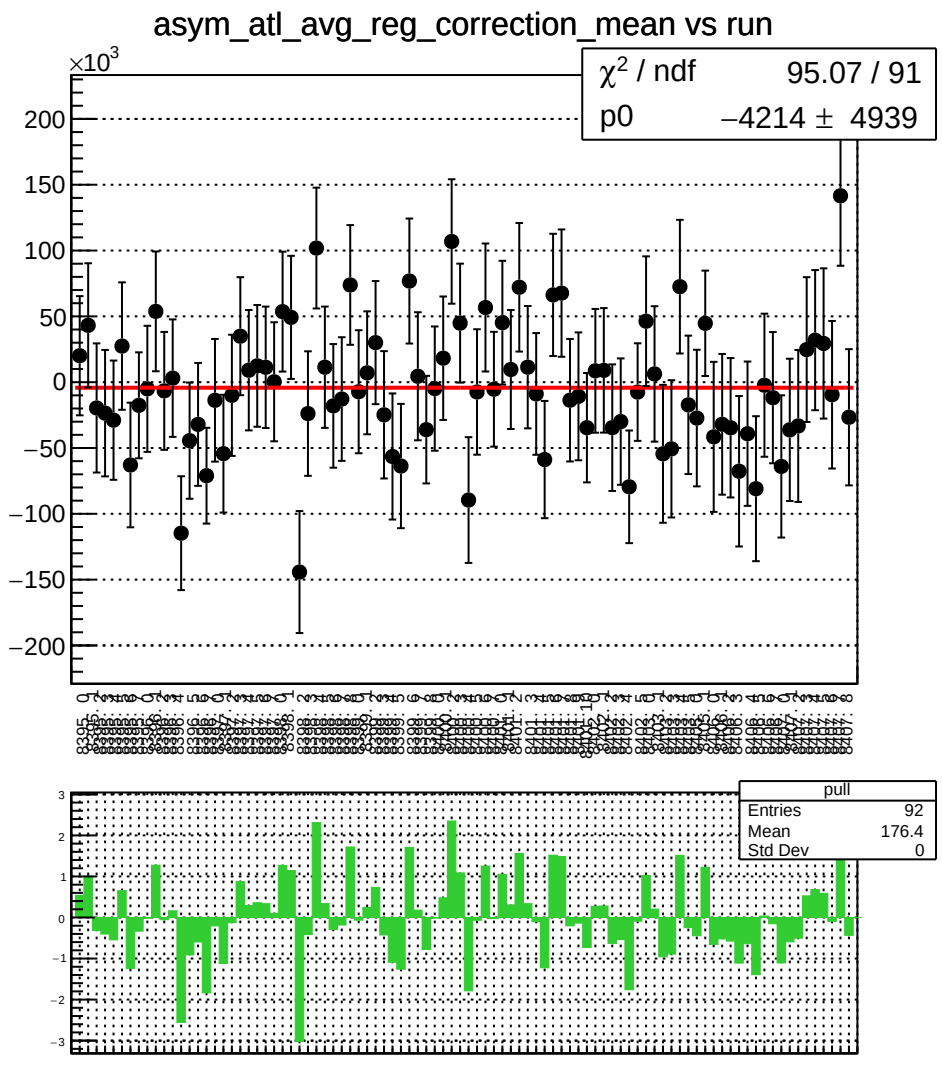

pull1D
Entries 92
Mean −0.003831
Std Dev 0.9374
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

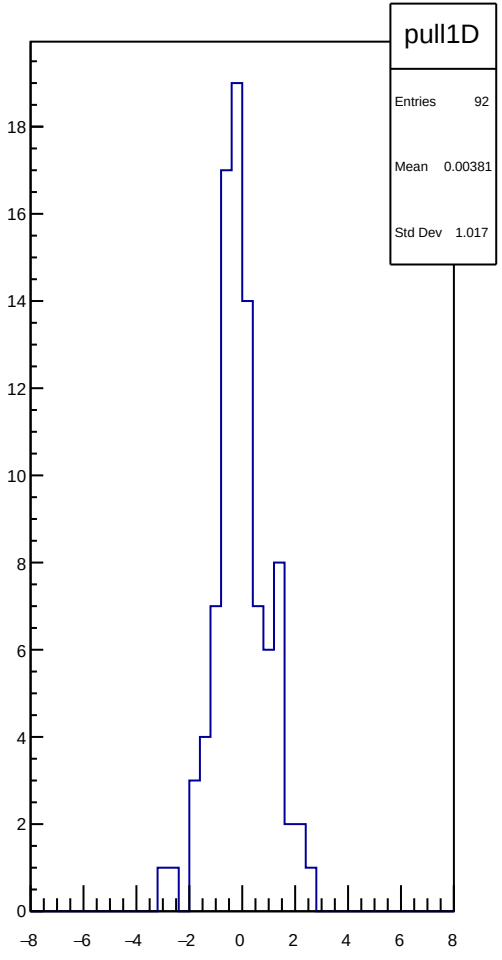

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.092e+05 / 91
p0 8.6e−10 ± 7.804e−13
6
5
4
3
2
1

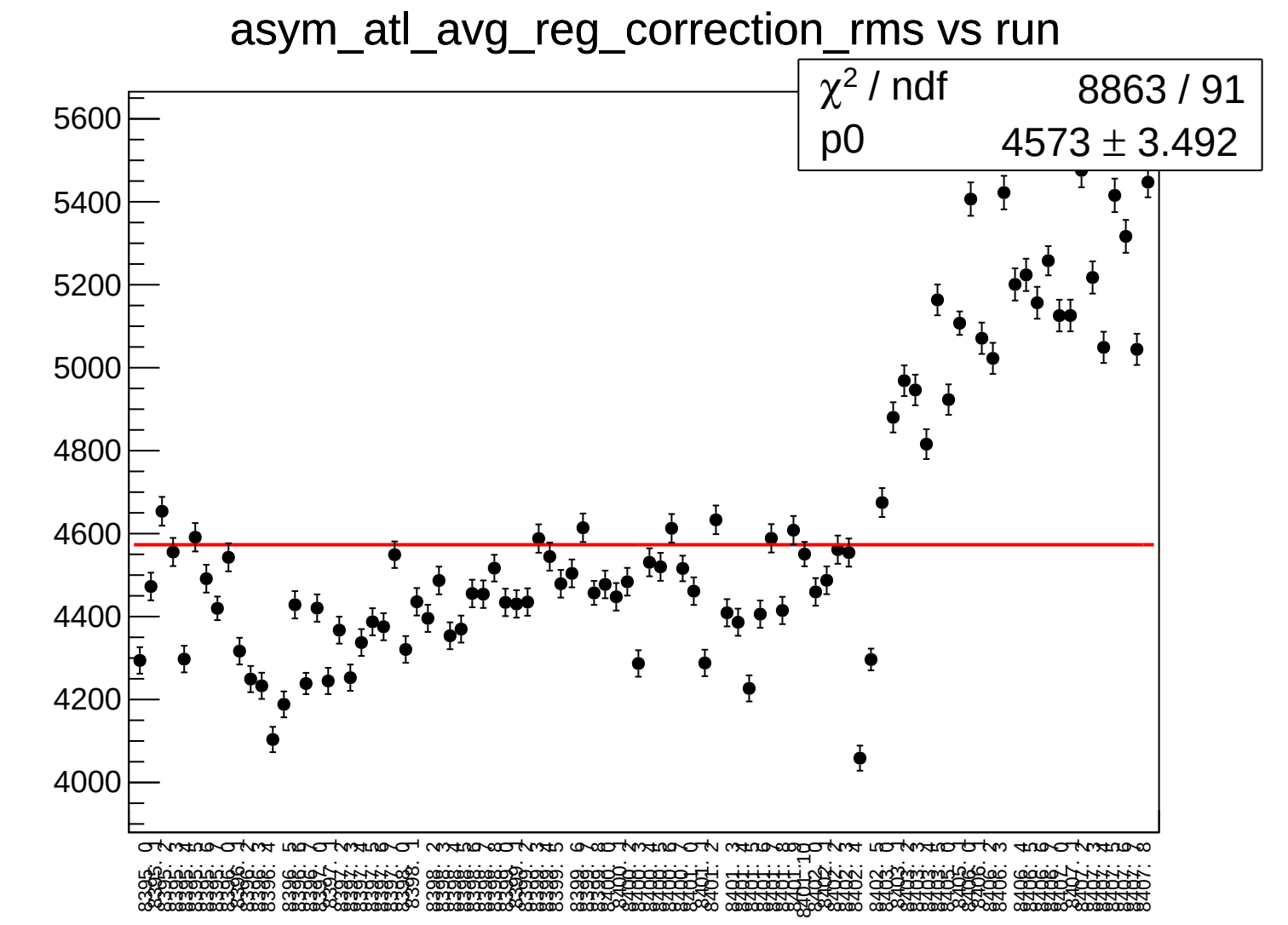

reg_asym_atl_avg_mean vs run
χ² / ndf 115.4 / 91
p0 −908.6 ± 1750
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −175.9
Std Dev 0
2
1
0
−1
−2
−3

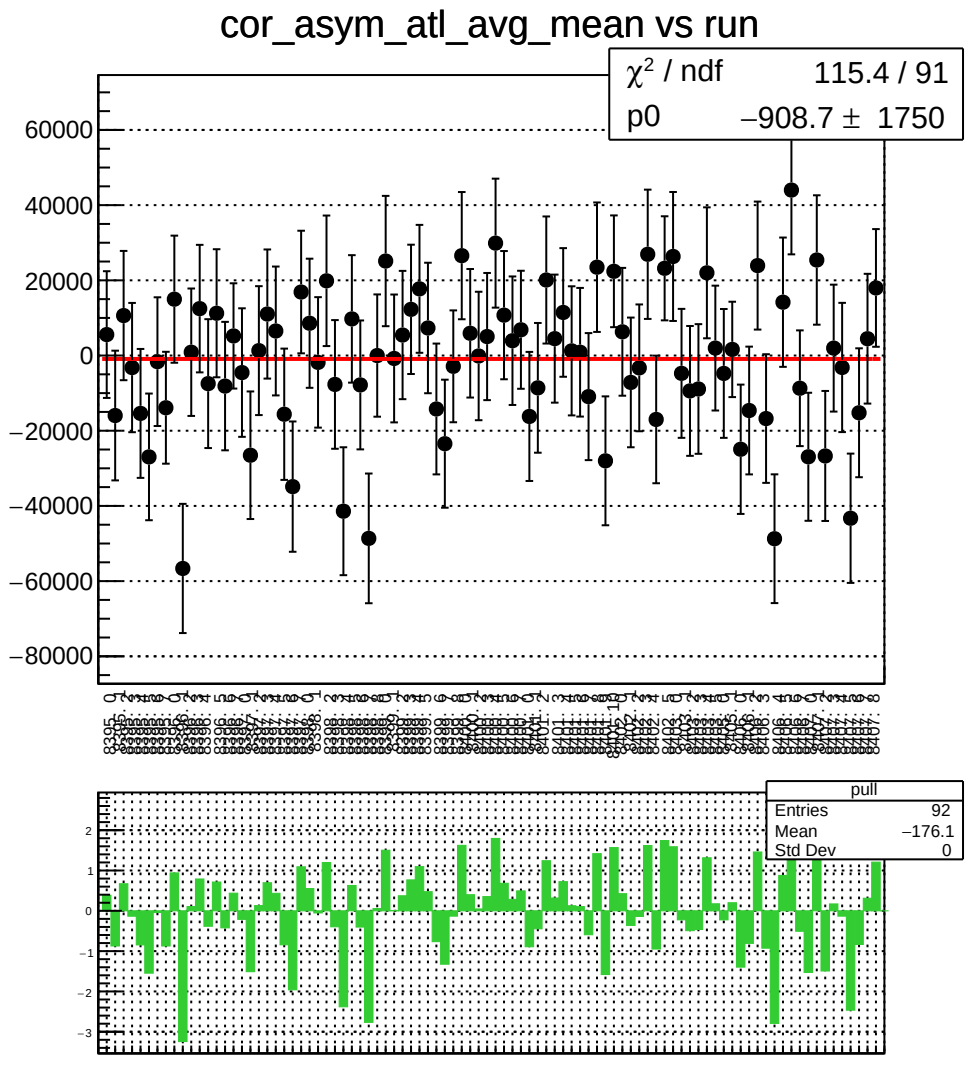

pull1D
Entries 92
Mean −0.009571
Std Dev 1.12
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

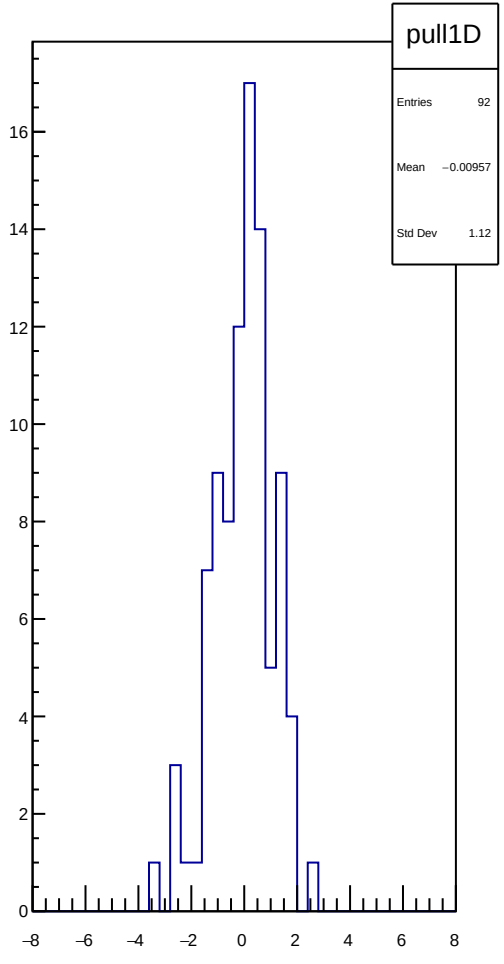

reg_asym_atl_avg_rms vs run
$\chi^2$ / ndf 106.5 / 91
p0 1624 ± 1.237
1670
1660
1650
1640
1630
1620
1610
1600
1590
1580

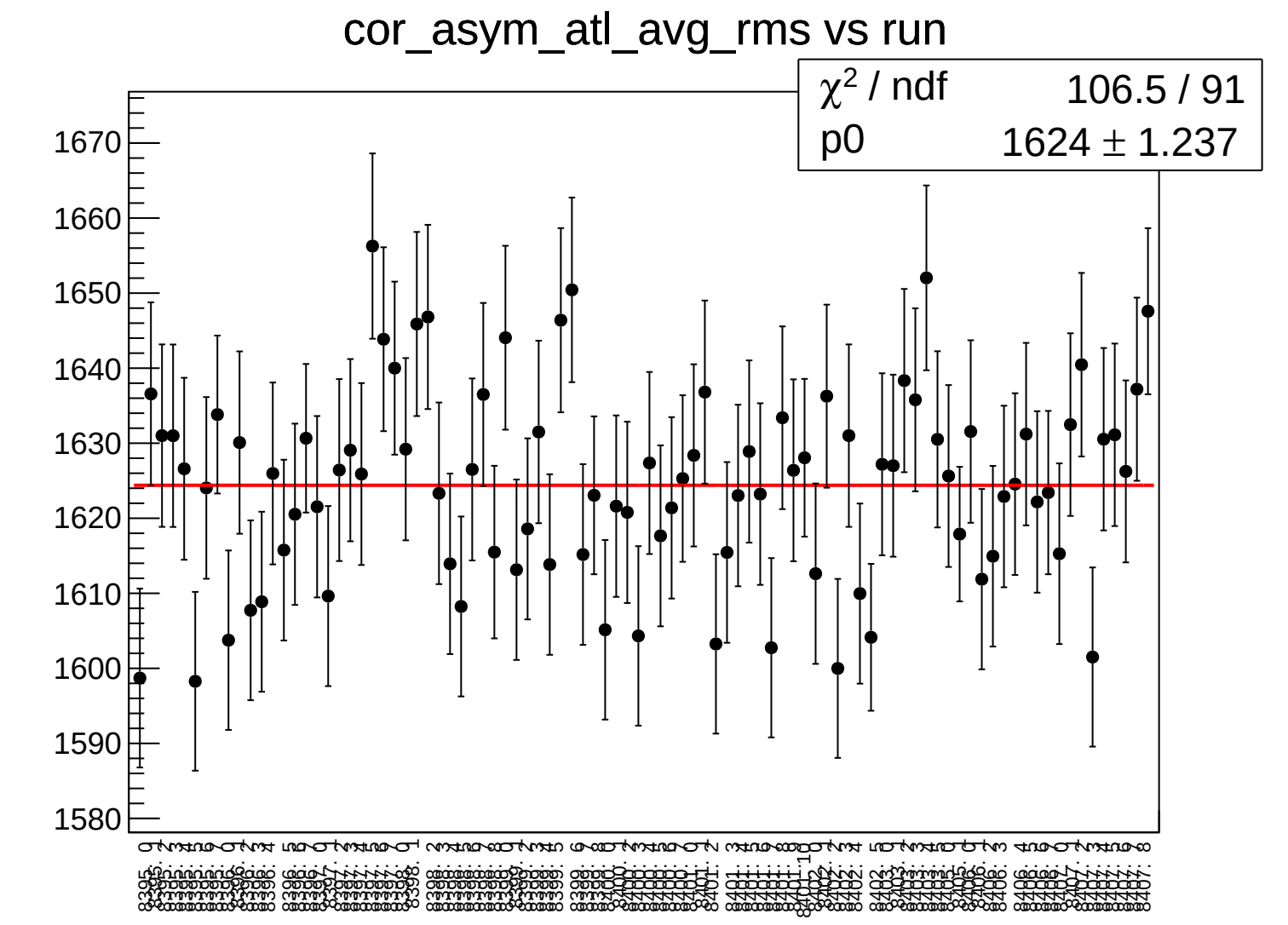

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 95.07 / 91
p0 −4214 ± 4939
pull
Entries 92
Mean 176.4
Std Dev 0

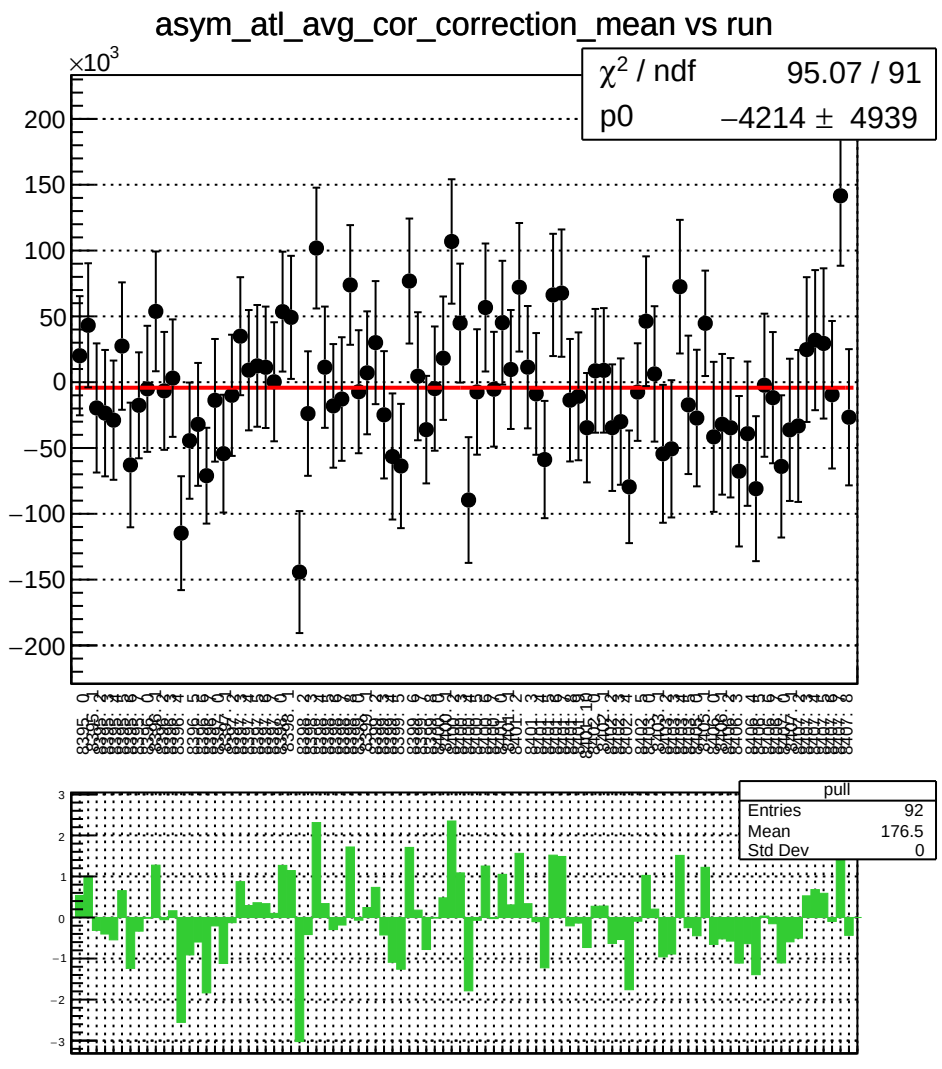

pull1D
Entries 92
Mean 0.00381
Std Dev 1.017

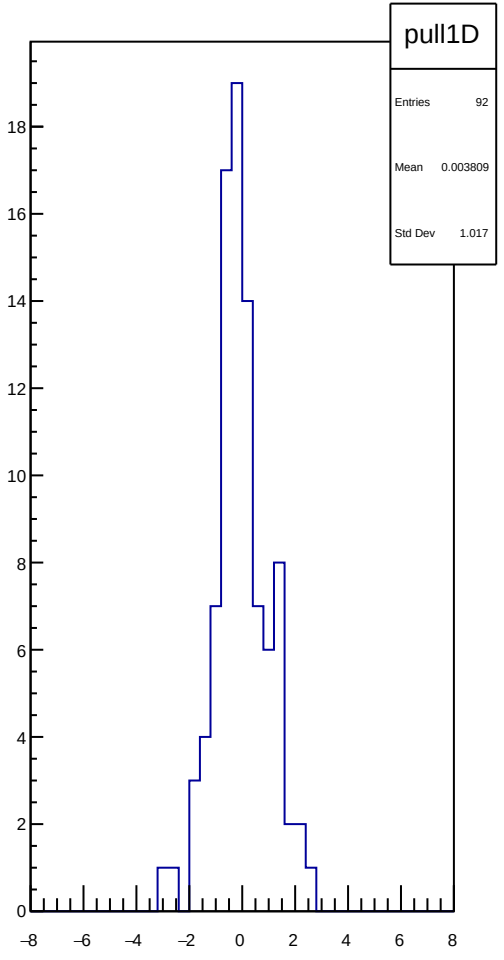

asym_atl_avg_reg_correction_rms vs run
$\chi^2$ / ndf 8863 / 91
p0 4573 ± 3.492
5600
5400
5200
5000
4800
4600
4400
4200
4000

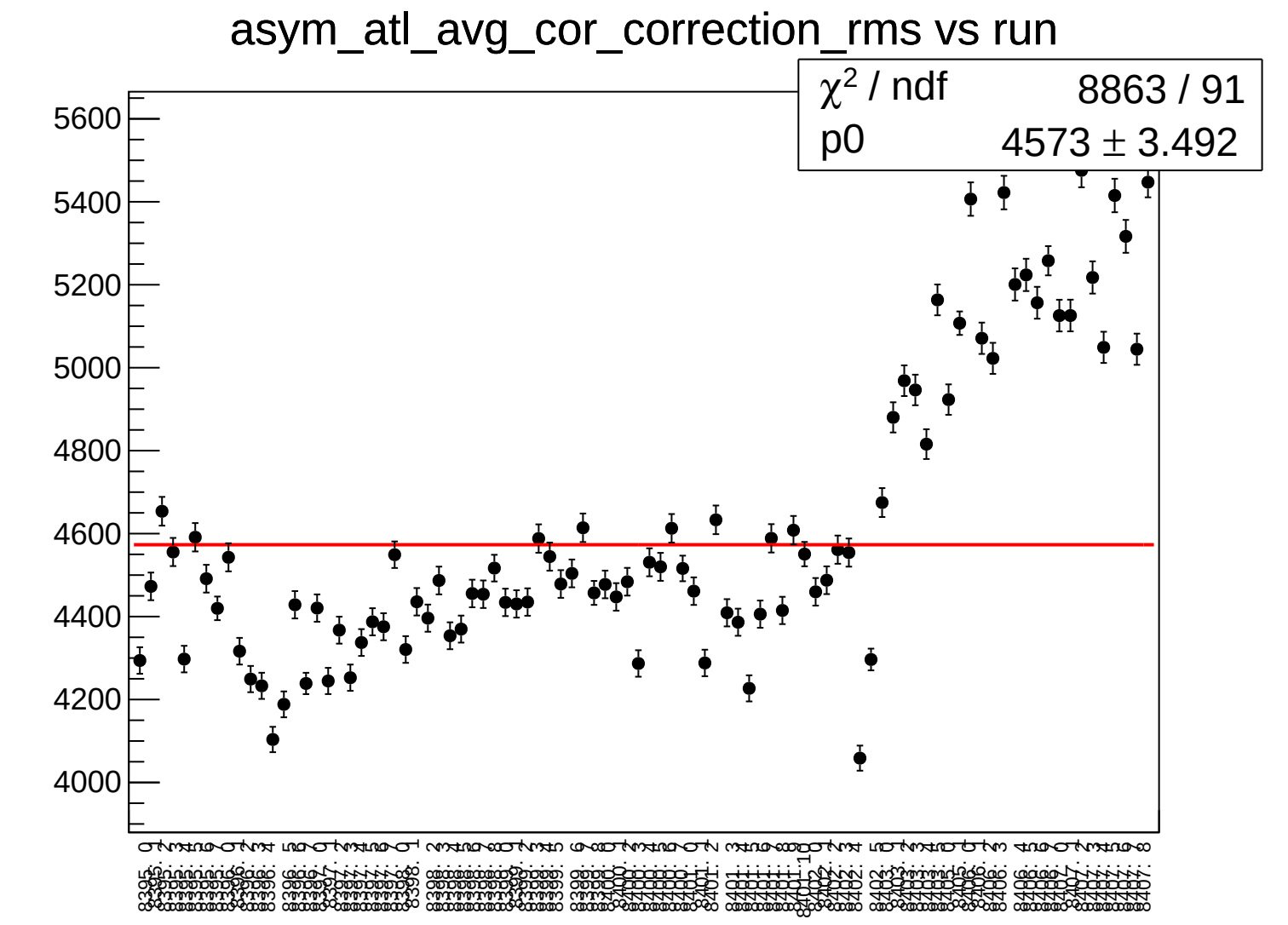

cor_asym_atl_avg_mean vs run
χ² / ndf 115.4 / 91
p0 −908.7 ± 1750
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −176.1
Std Dev 0
2
1
0
−1
−2
−3

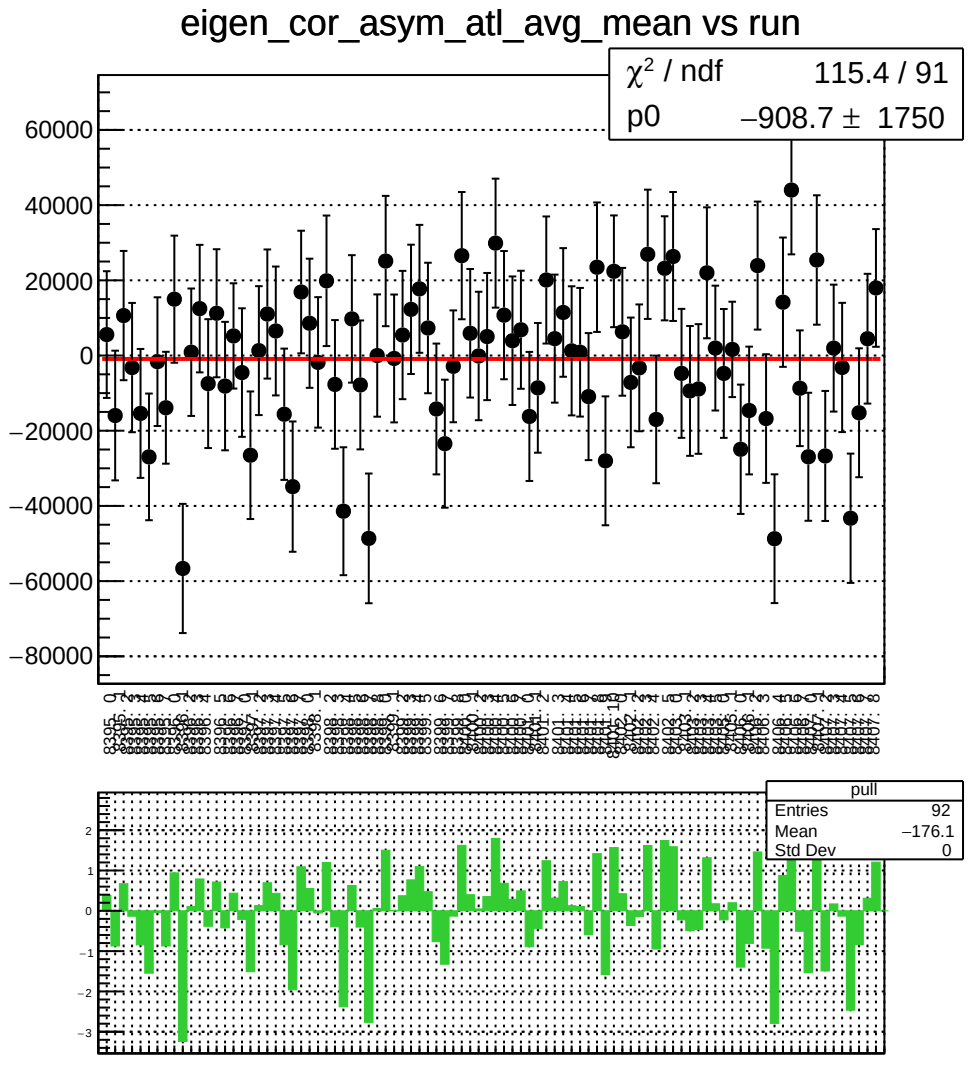

pull1D
Entries 92
Mean −0.00957
Std Dev 1.12
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

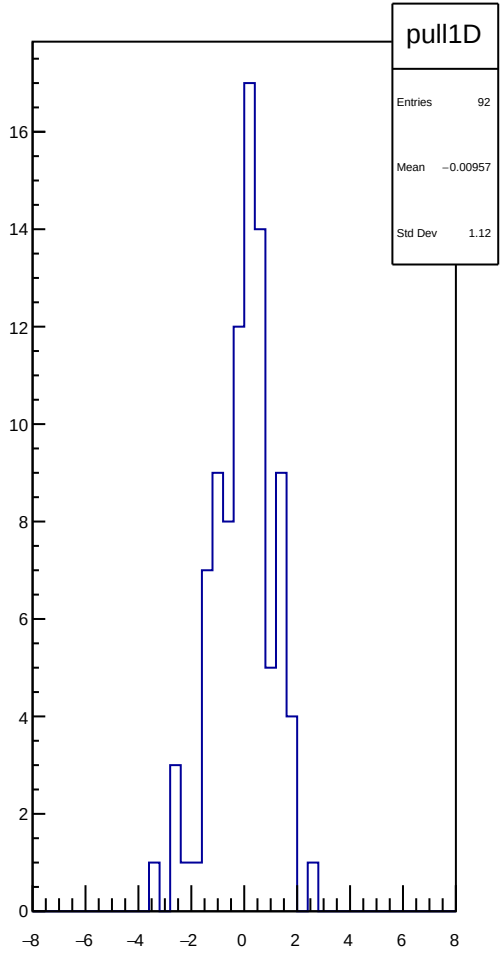

cor_asym_atl_avg_rms vs run
$\chi^2$ / ndf 106.5 / 91
p0 1624 ± 1.237
1670
1660
1650
1640
1630
1620
1610
1600
1590
1580


asym_atl_avg_cor_correction_mean vs run
χ² / ndf 95.07 / 91
p0 −4214 ± 4939
×10³
pull
Entries 92
Mean 176.5
Std Dev 0


pull1D
Entries 92
Mean 0.003809
Std Dev 1.017


asym_atl_avg_cor_correction_rms vs run
χ² / ndf 8863 / 91
p0 4573 ± 3.492
5600
5400
5200
5000
4800
4600
4400
4200
4000


eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 115.4 / 91
p0 −908.7 ± 1750
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −176.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 92
Mean −0.00957
Std Dev 1.12
16
14
12
10
8
6
4
2
0
−8
−6
−4
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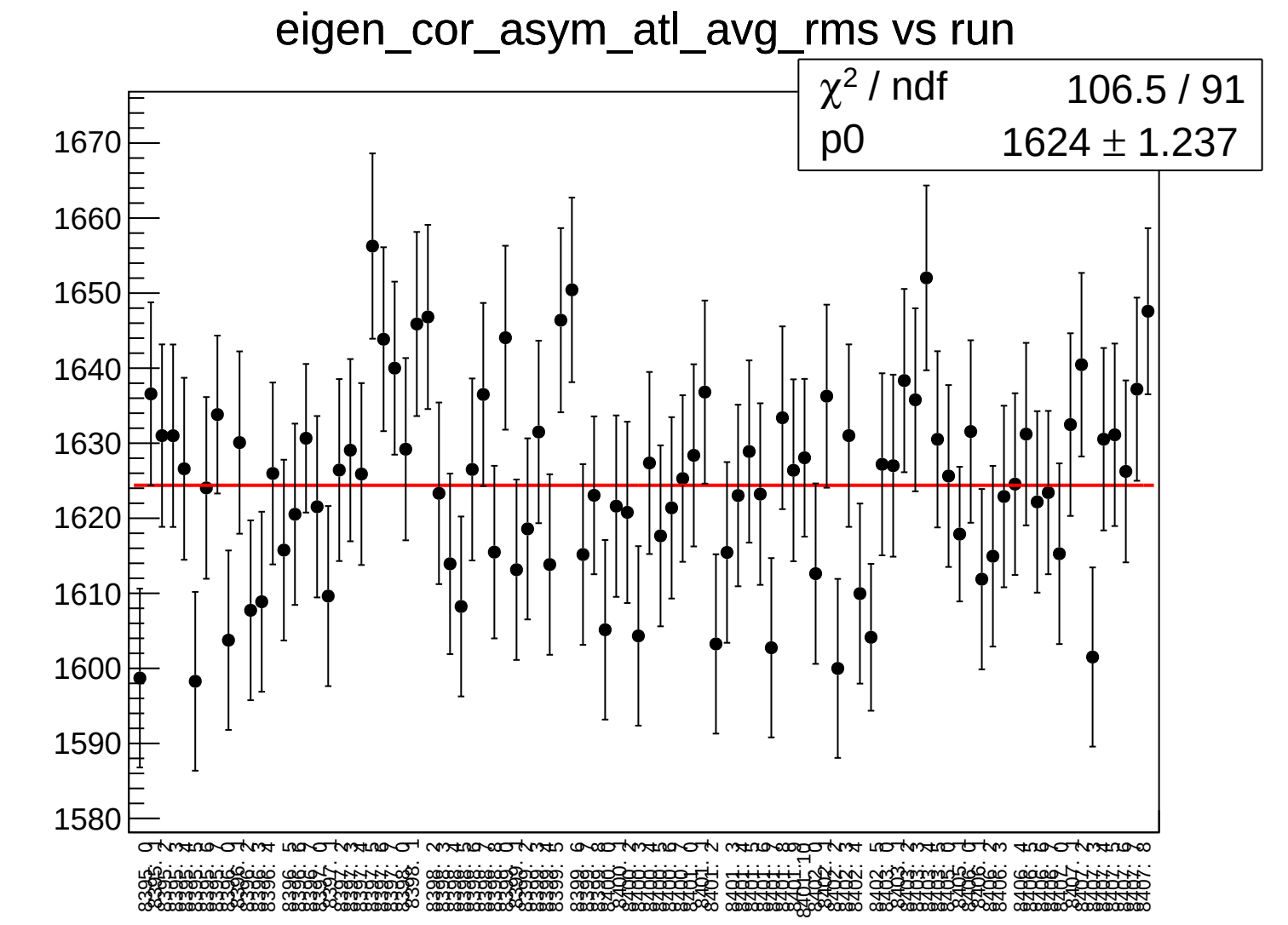
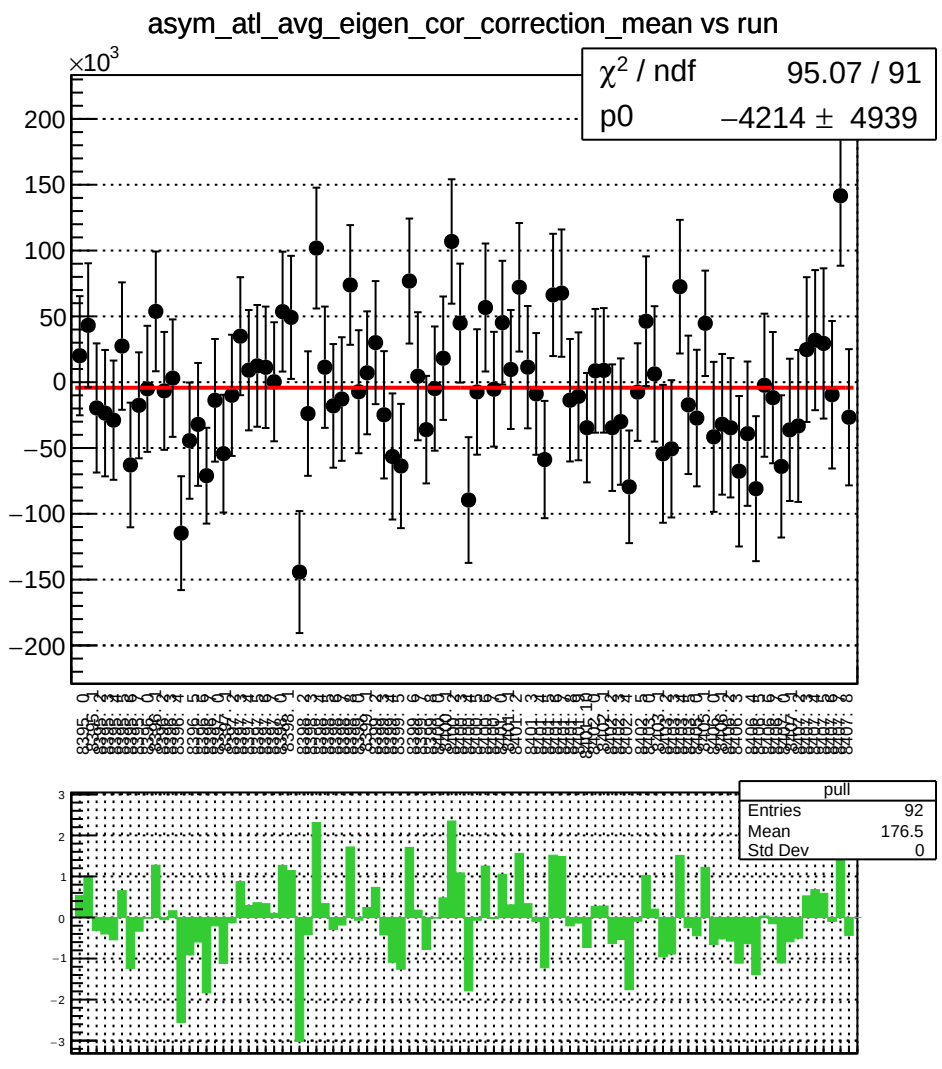
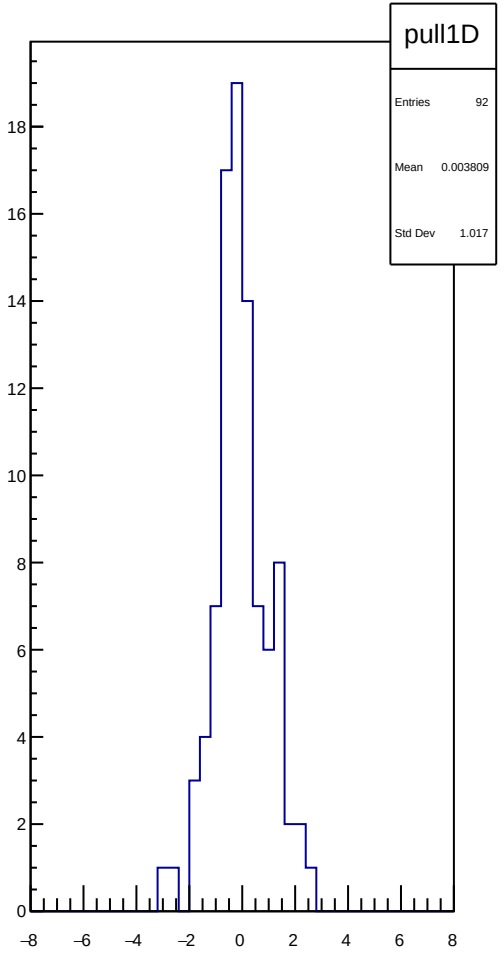
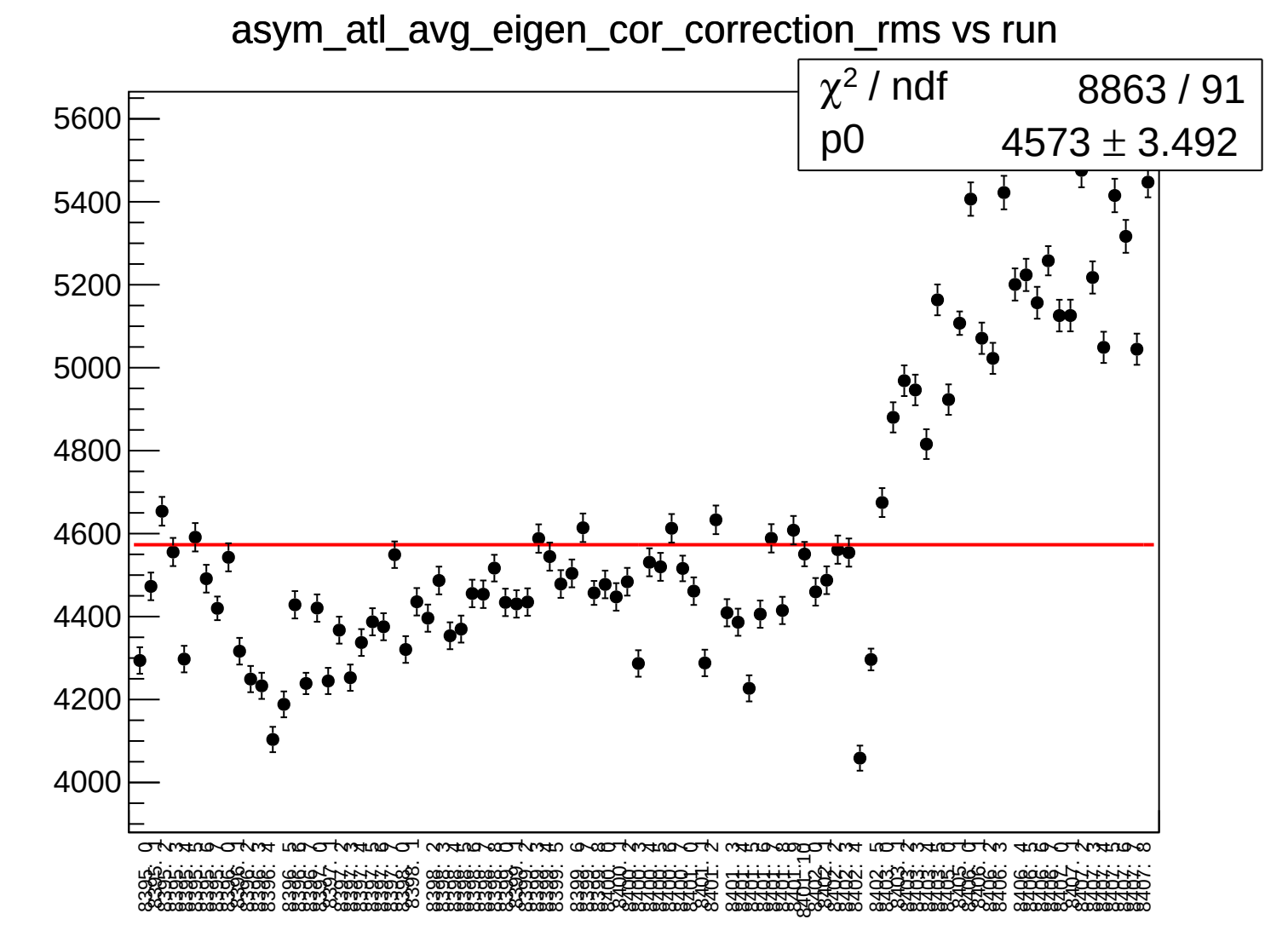
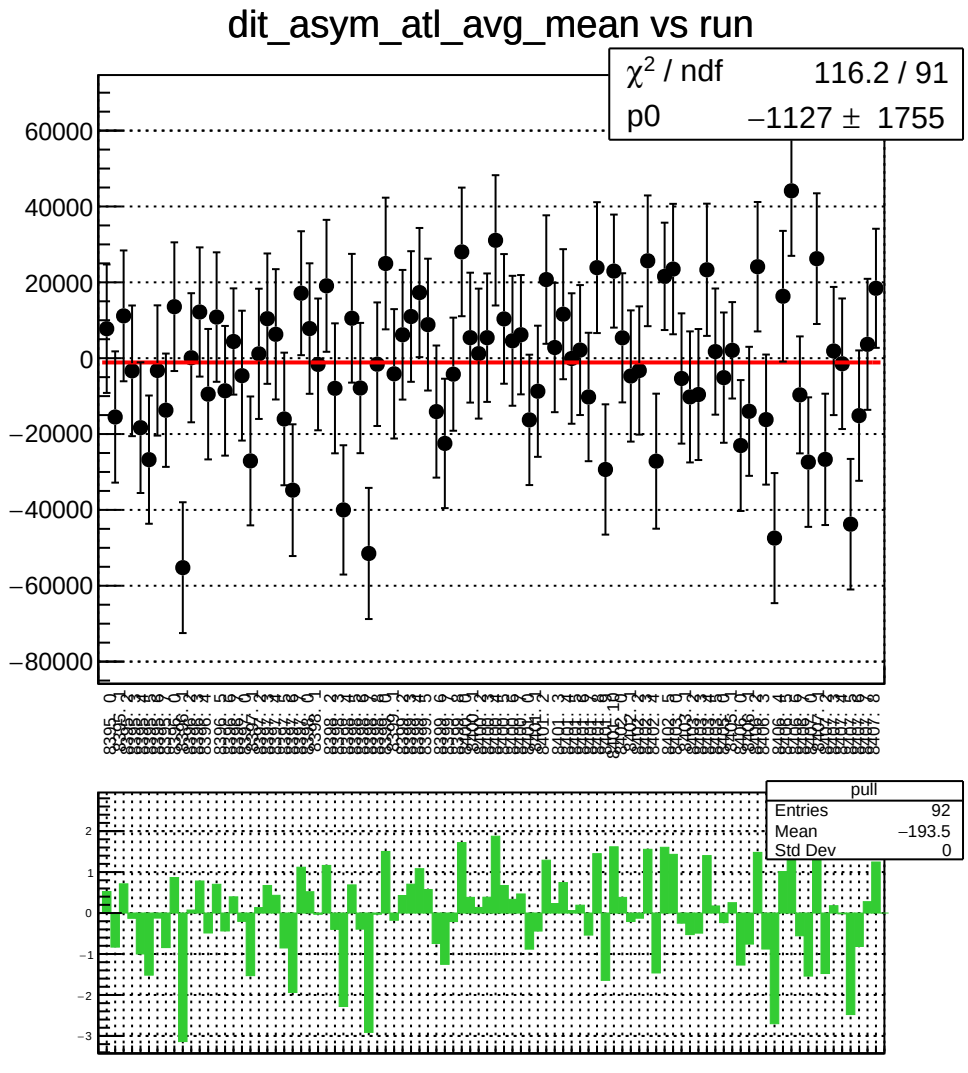
0
2
4
6
8

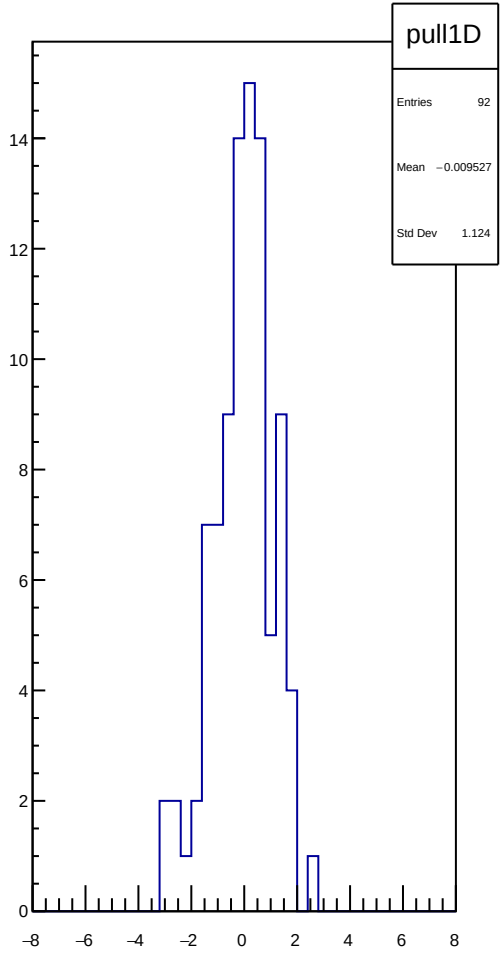

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 106.5 / 91
p0 1624 ± 1.237
1670
1660
1650
1640
1630
1620
1610
1600
1590
1580

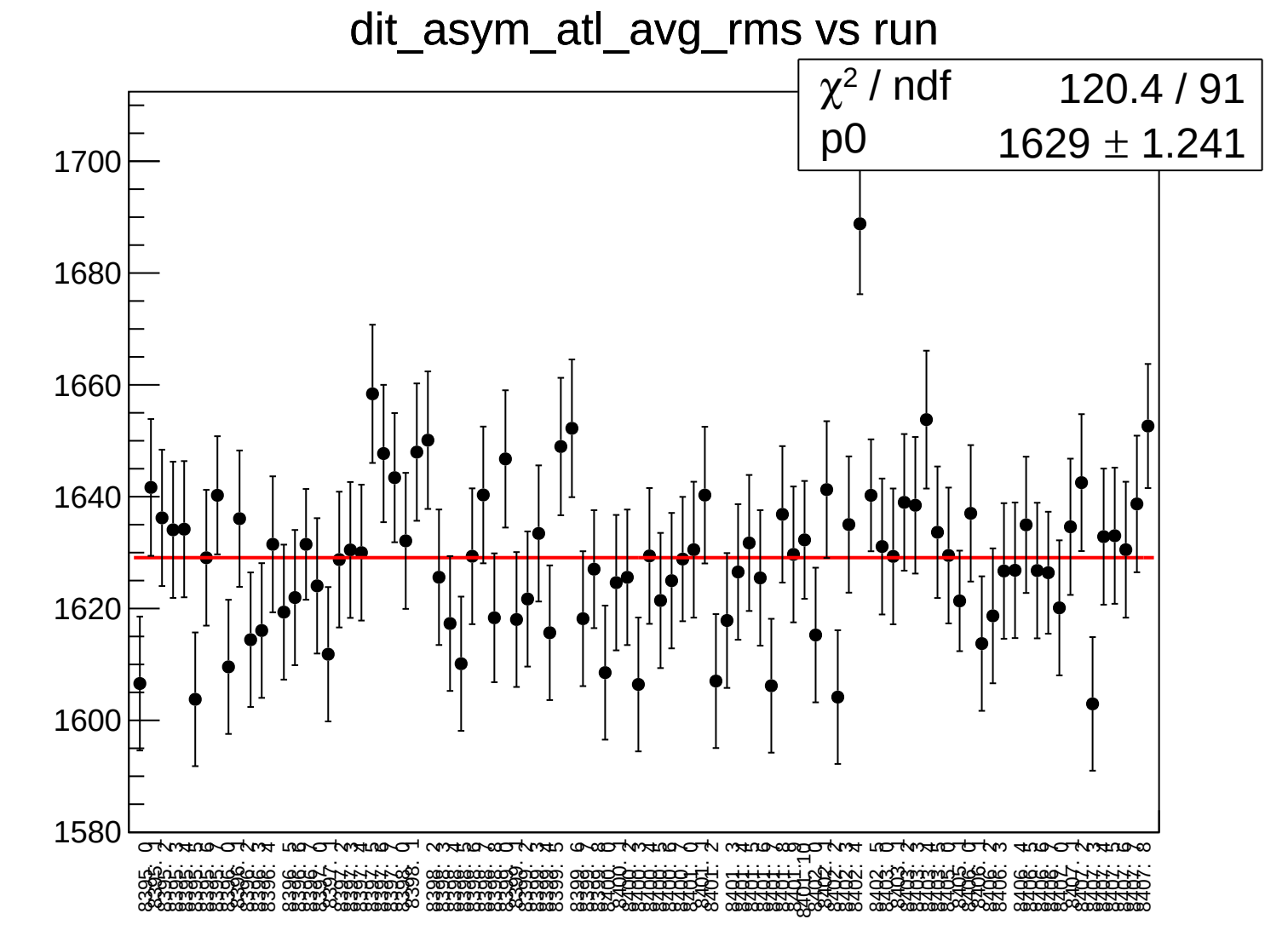

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 95.07 / 91
p0 −4214 ± 4939
pull
Entries 92
Mean 176.5
Std Dev 0

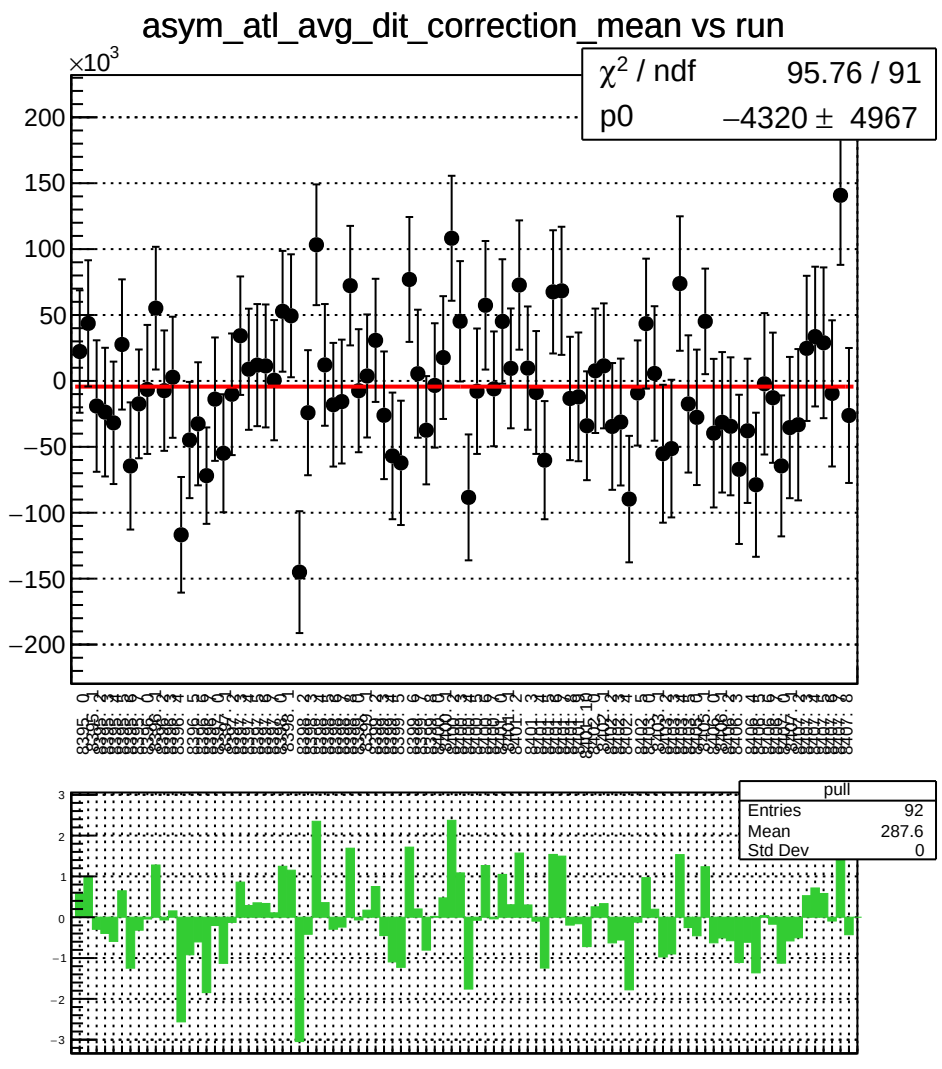

pull1D
Entries 92
Mean 0.003809
Std Dev 1.017

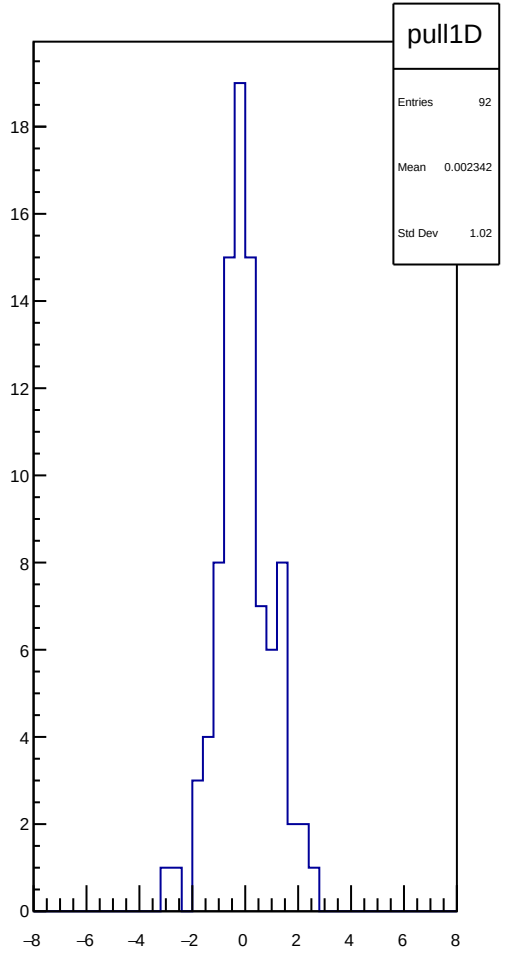

asym_atl_avg_eigen_cor_correction_rms vs run
$\chi^2$ / ndf 8863 / 91
p0 4573 ± 3.492
5600
5400
5200
5000
4800
4600
4400
4200
4000

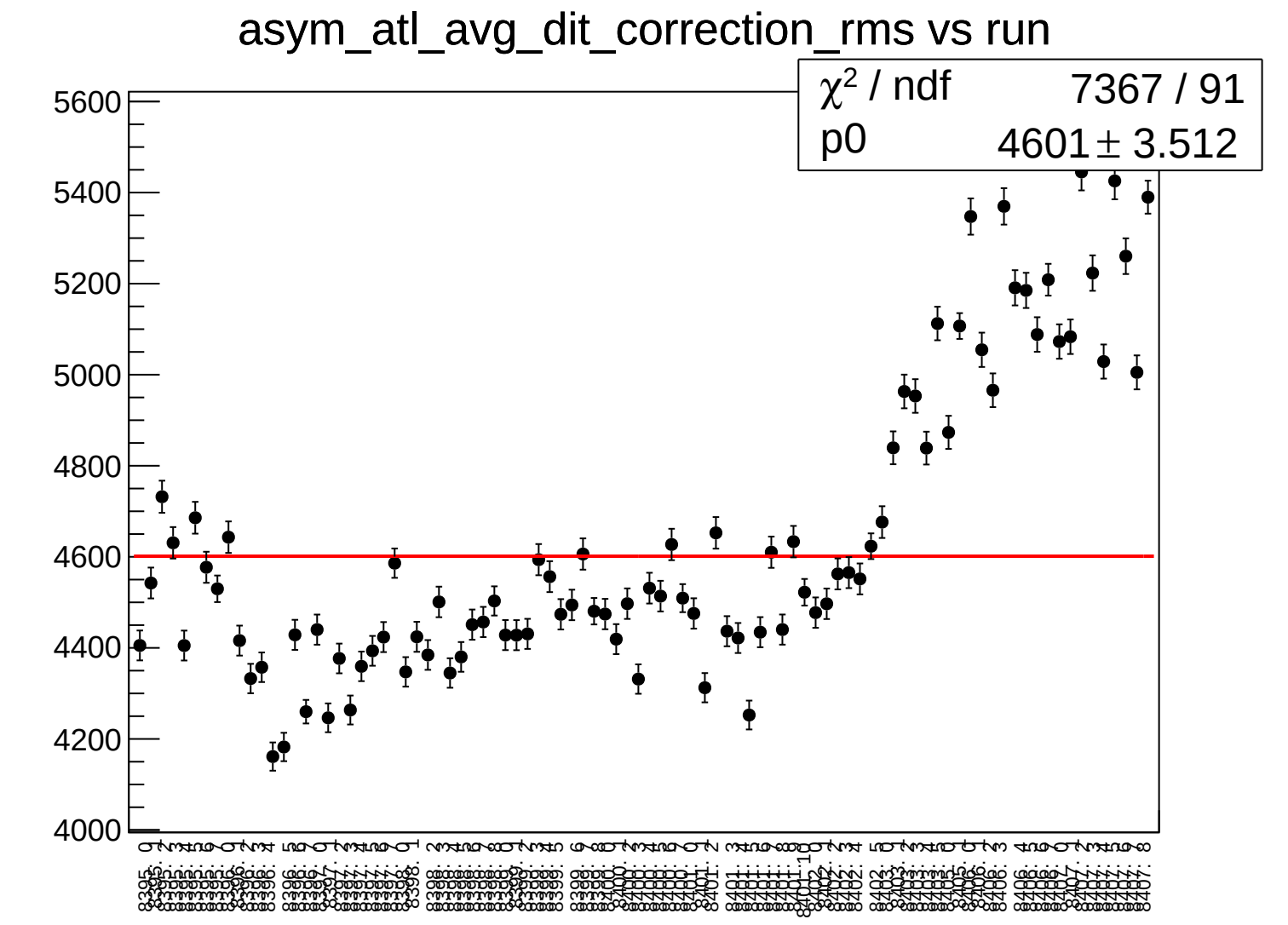

dit_asym_atl_avg_mean vs run
χ² / ndf 116.2 / 91
p0 −1127 ± 1755
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −193.5
Std Dev 0
2
1
0
−1
−2
−3

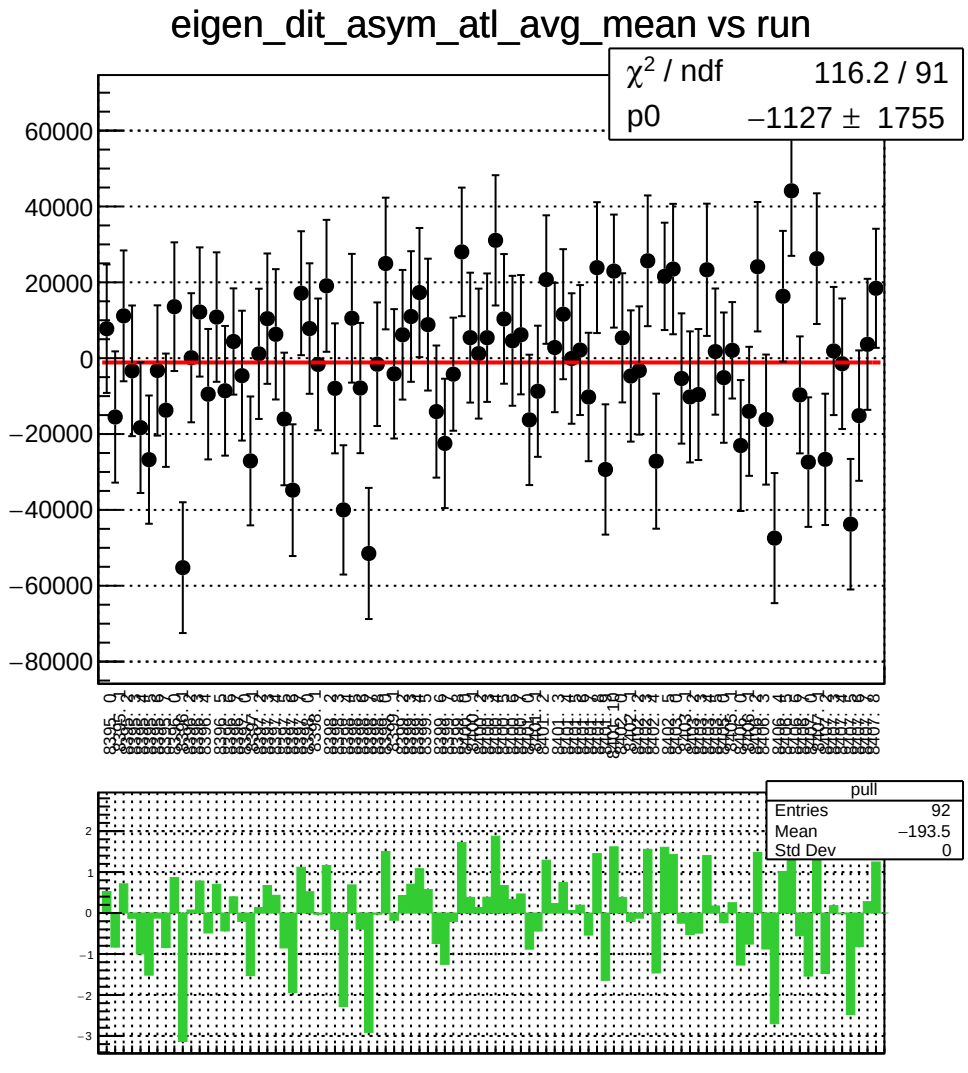

pull1D
Entries 92
Mean −0.009527
Std Dev 1.124
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

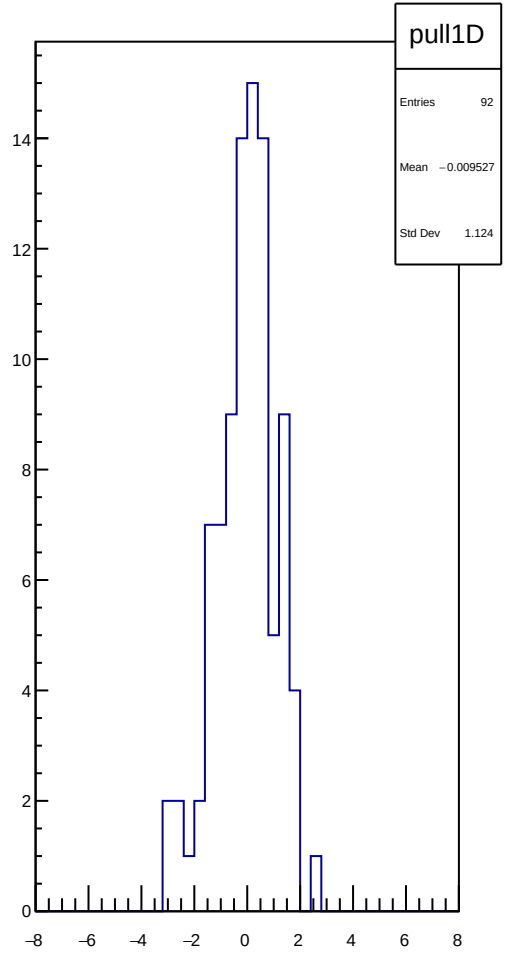

dit_asym_atl_avg_rms vs run
χ² / ndf 120.4 / 91
p0 1629 ± 1.241
1700
1680
1660
1640
1620
1600
1580

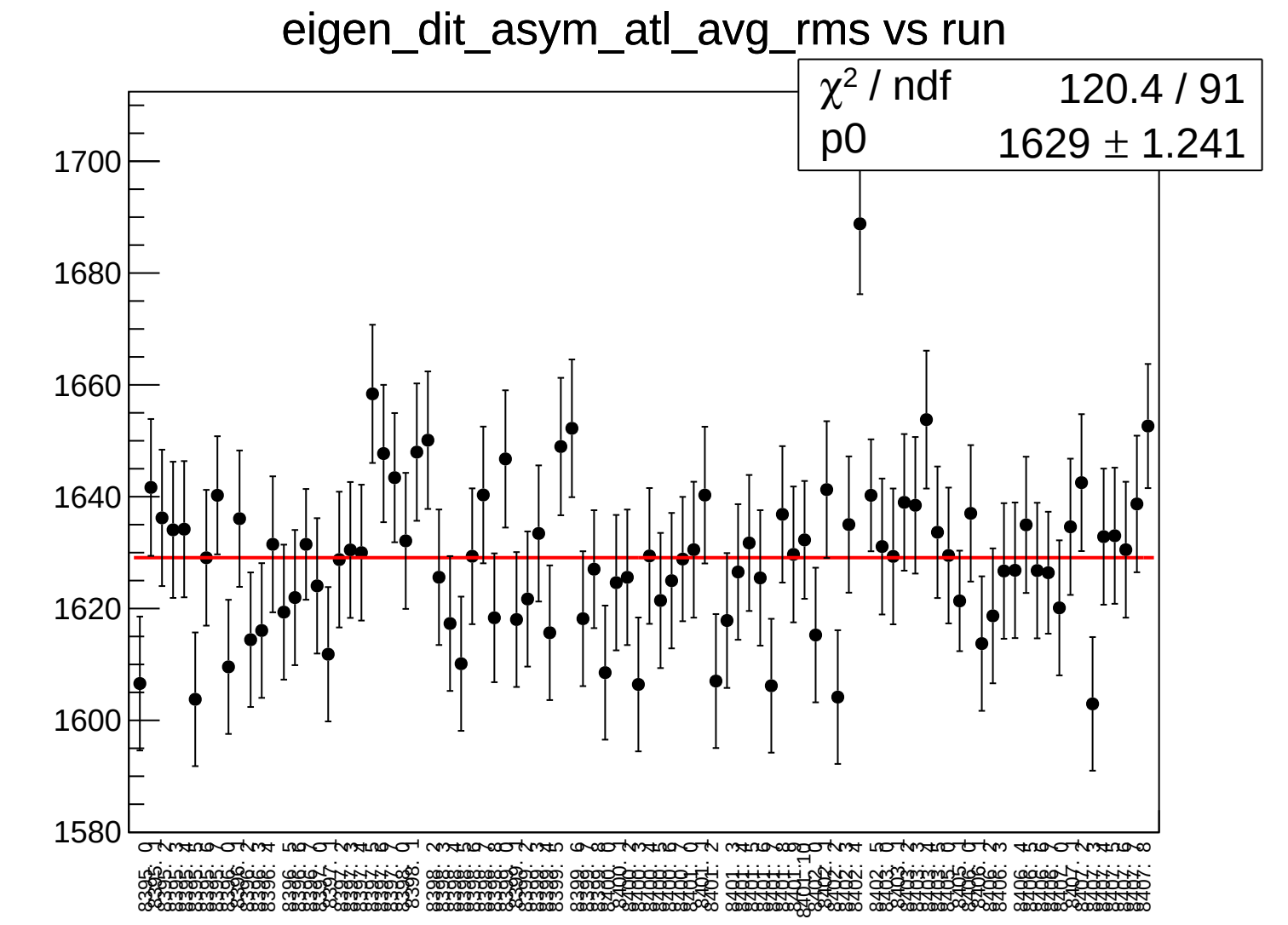

asym_atl_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 95.76 / 91
p0 −4320 ± 4967
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 287.6
Std Dev 0
3
2
1
0
−1
−2
−3

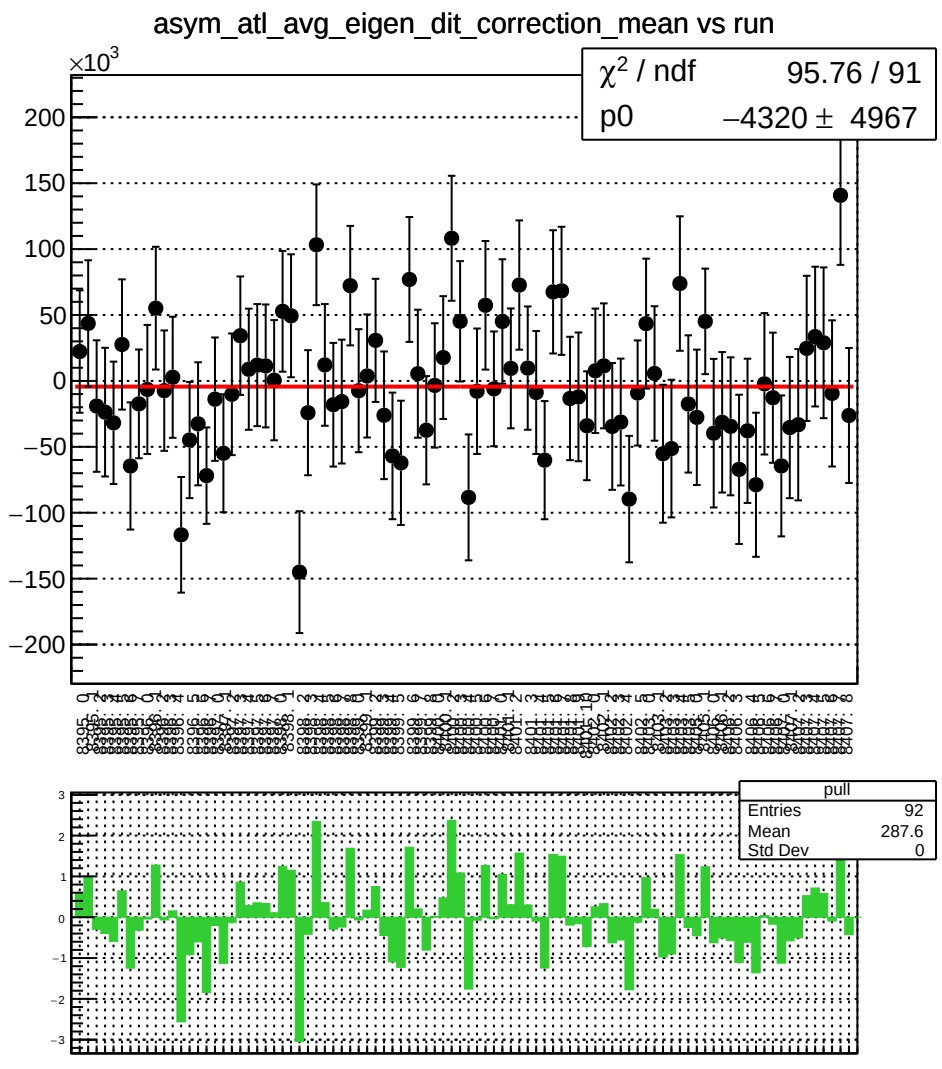

pull1D
Entries 92
Mean 0.002342
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

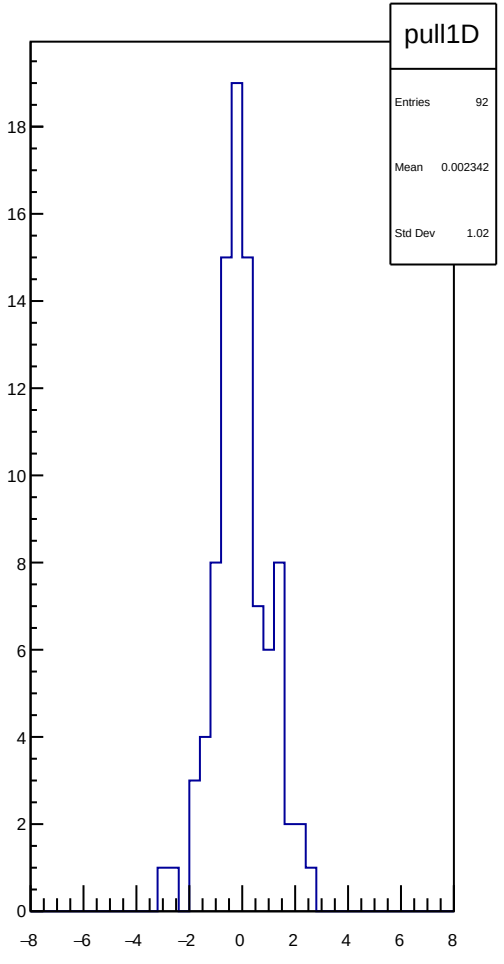

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 7367 / 91
p0 4601 ± 3.512
5600
5400
5200
5000
4800
4600
4400
4200
4000

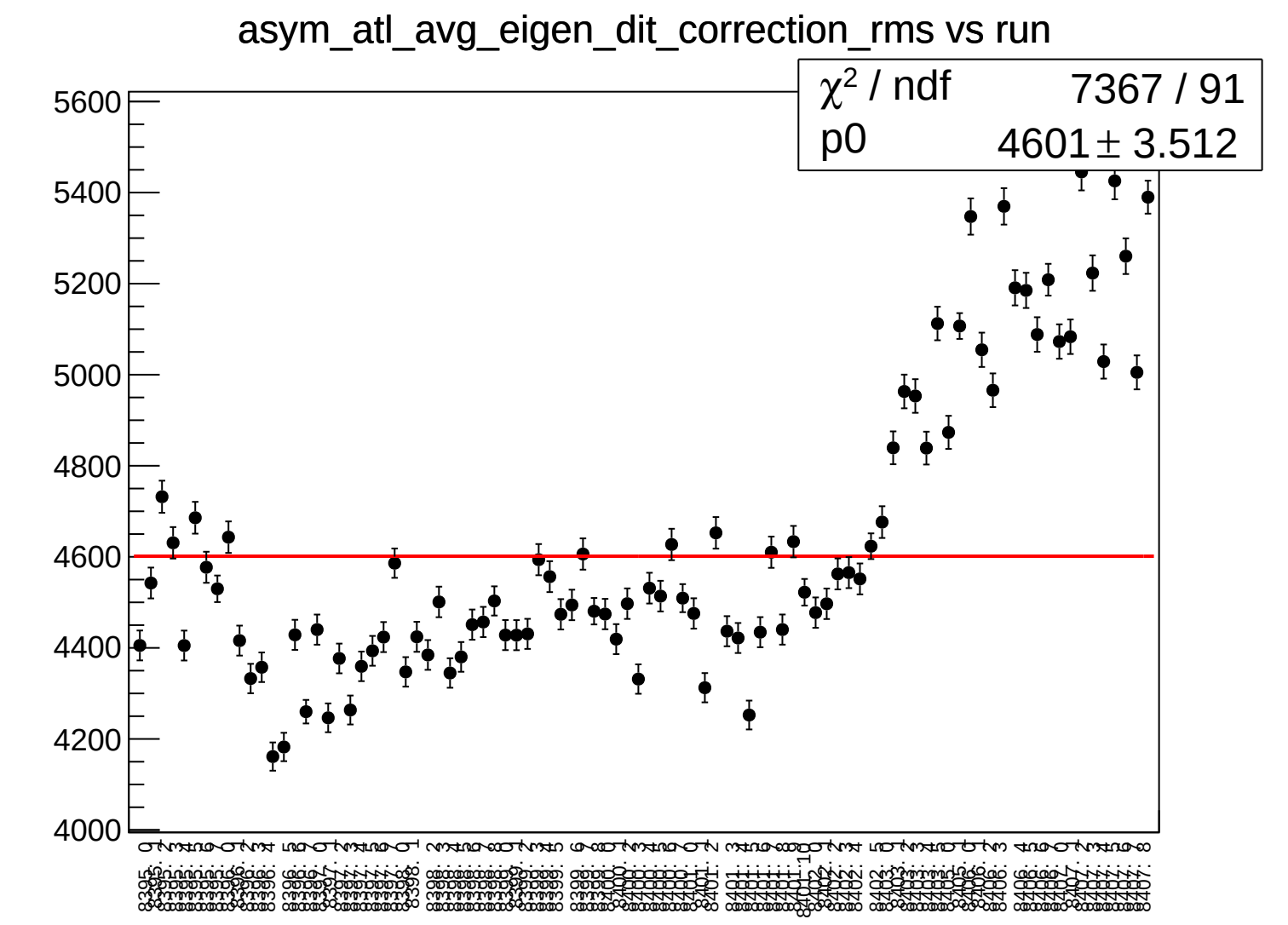

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 116.2 / 91
p0 −1127 ± 1755
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −193.5
Std Dev 0
2
1
0
−1
−2
−3

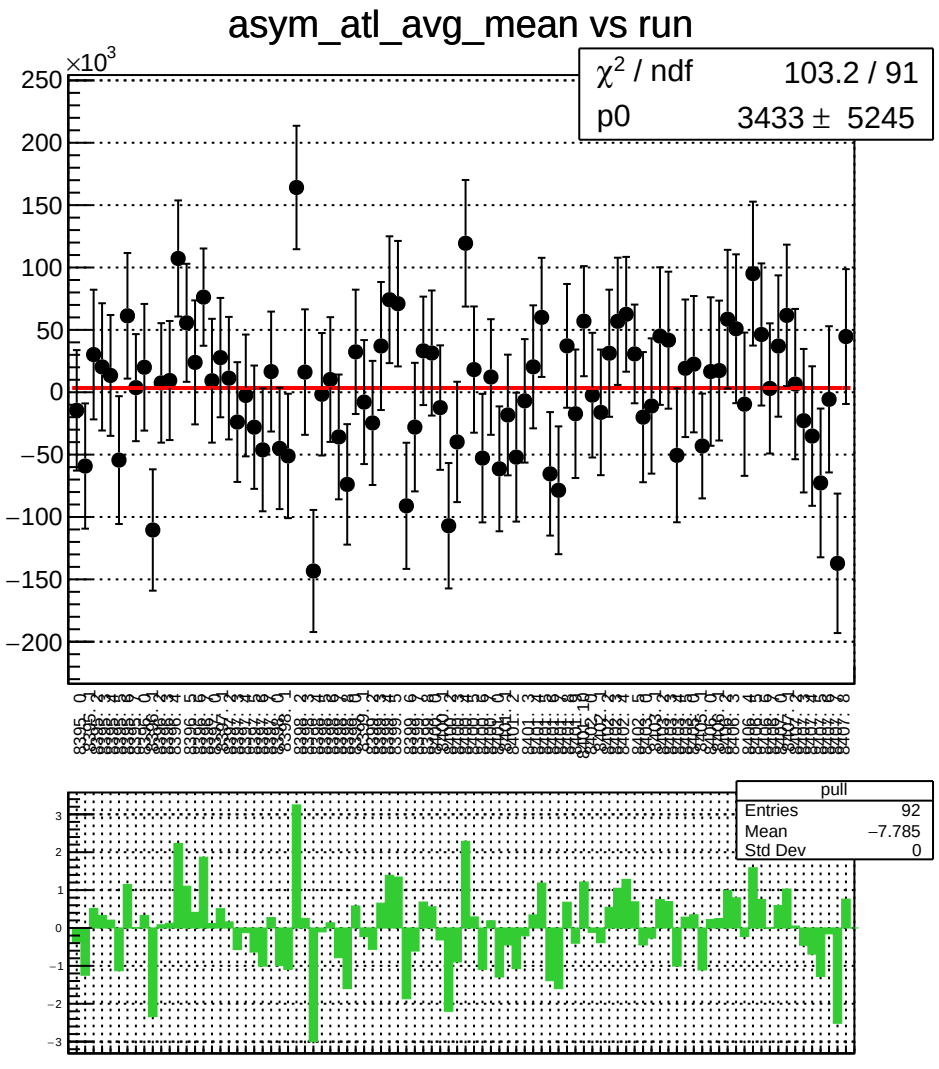

pull1D
Entries 92
Mean −0.009527
Std Dev 1.124
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

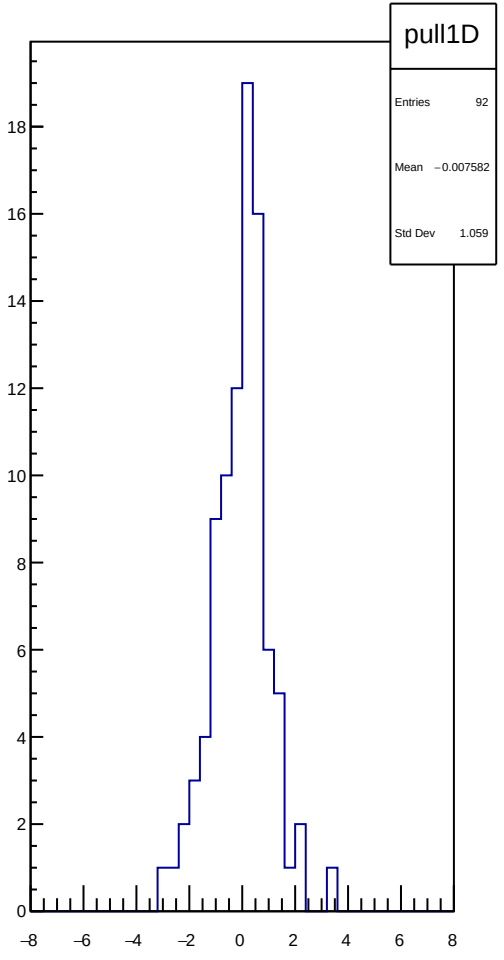

eigen_dit_asym_atl_avg_rms vs run
$\chi^2$ / ndf 120.4 / 91
p0 1629 ± 1.241
1700
1680
1660
1640
1620
1600
1580

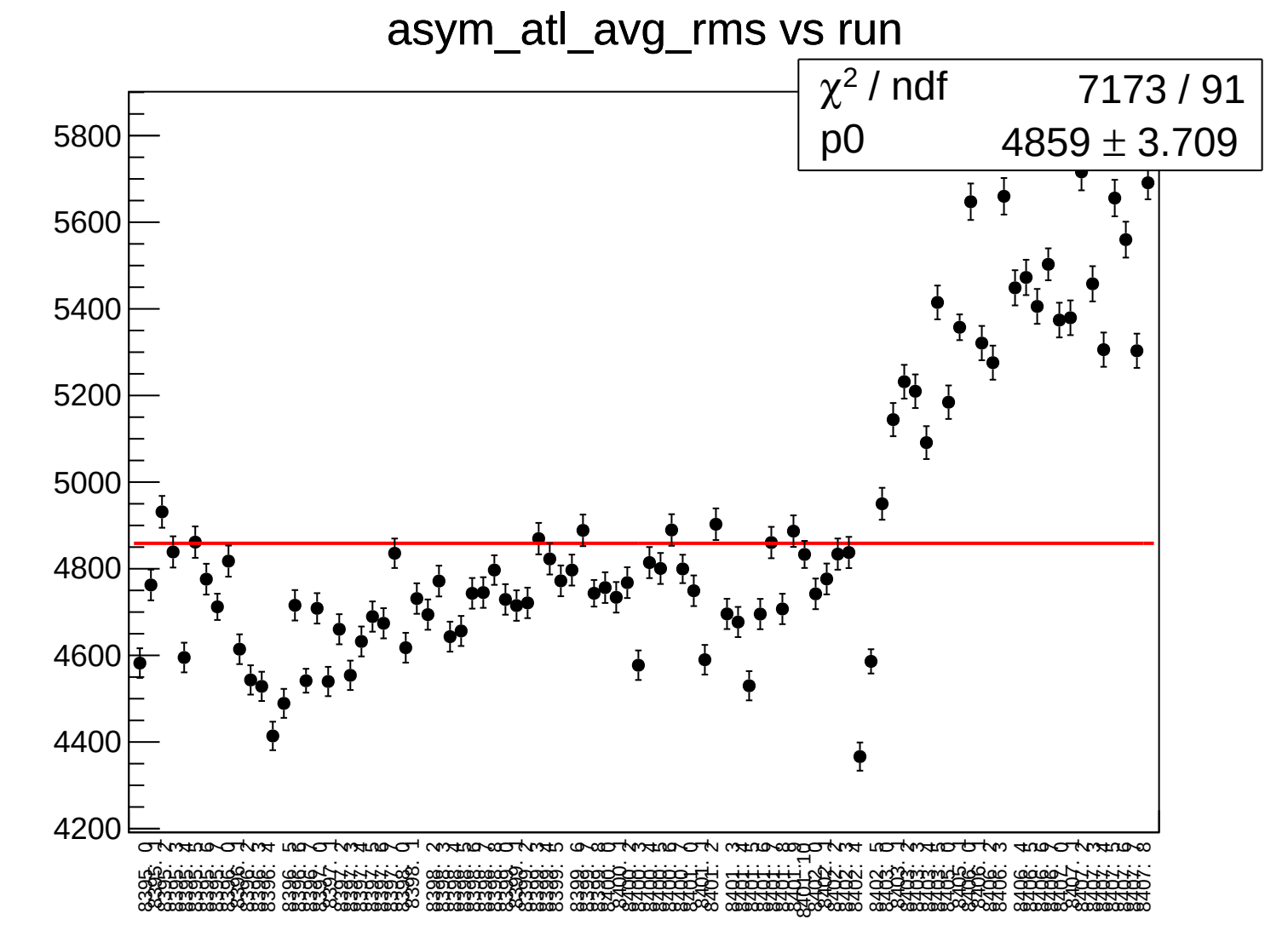

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 95.76 / 91
p0 −4320 ± 4967
pull
Entries 92
Mean 287.6
Std Dev 0

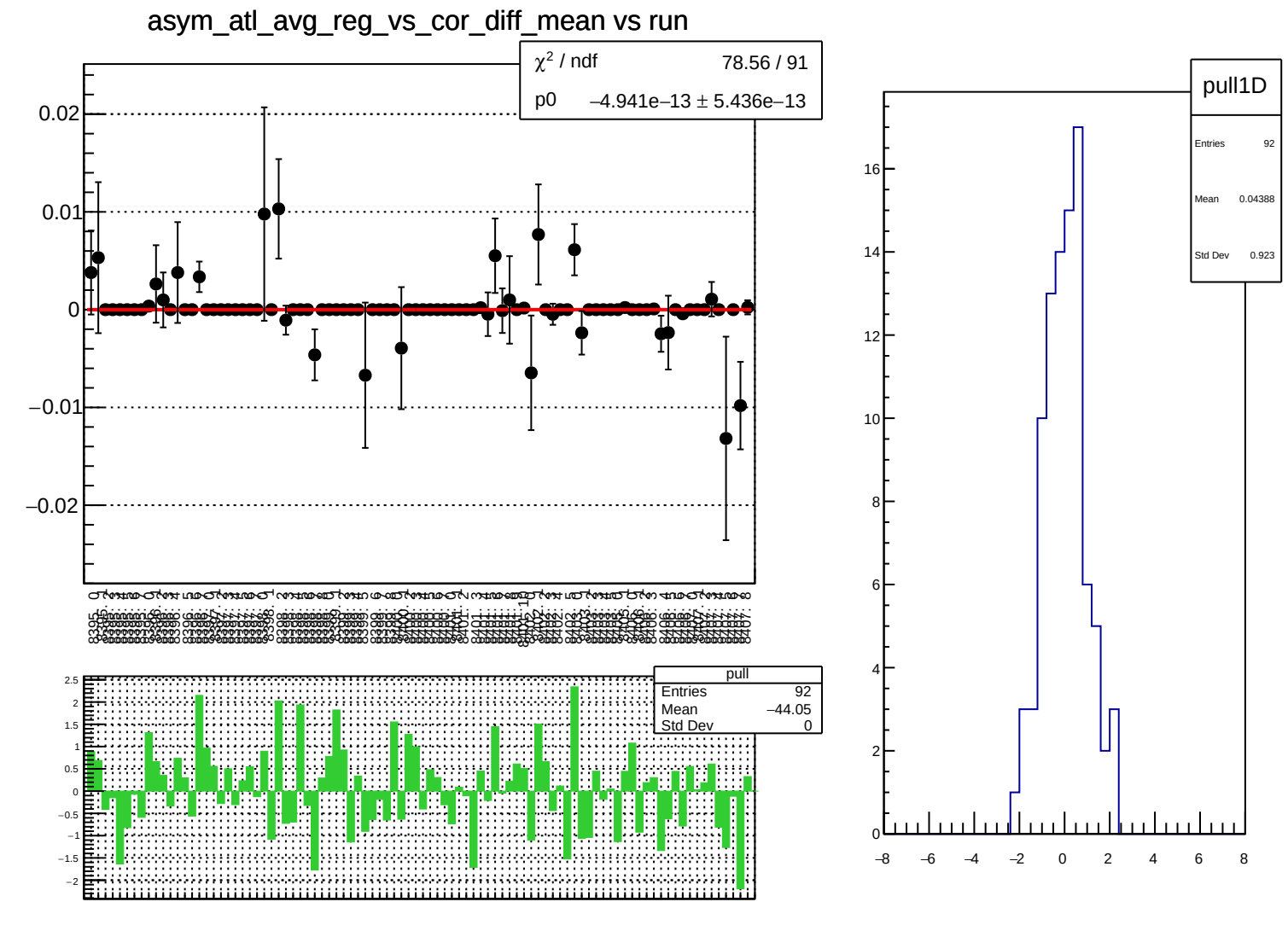

pull1D
Entries 92
Mean 0.002342
Std Dev 1.02

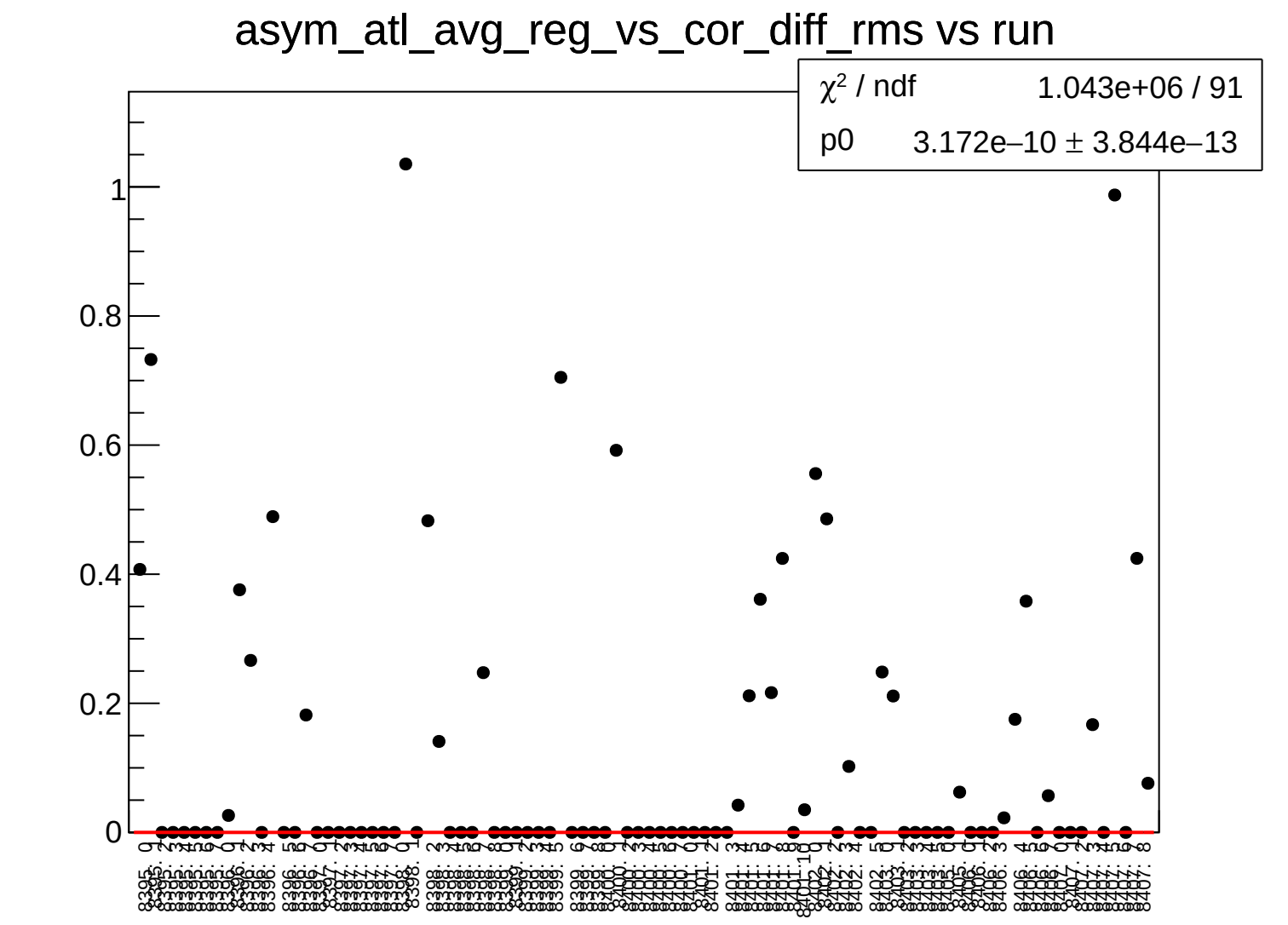

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 7367 / 91
p0 4601 ± 3.512
5600
5400
5200
5000
4800
4600
4400
4200
4000

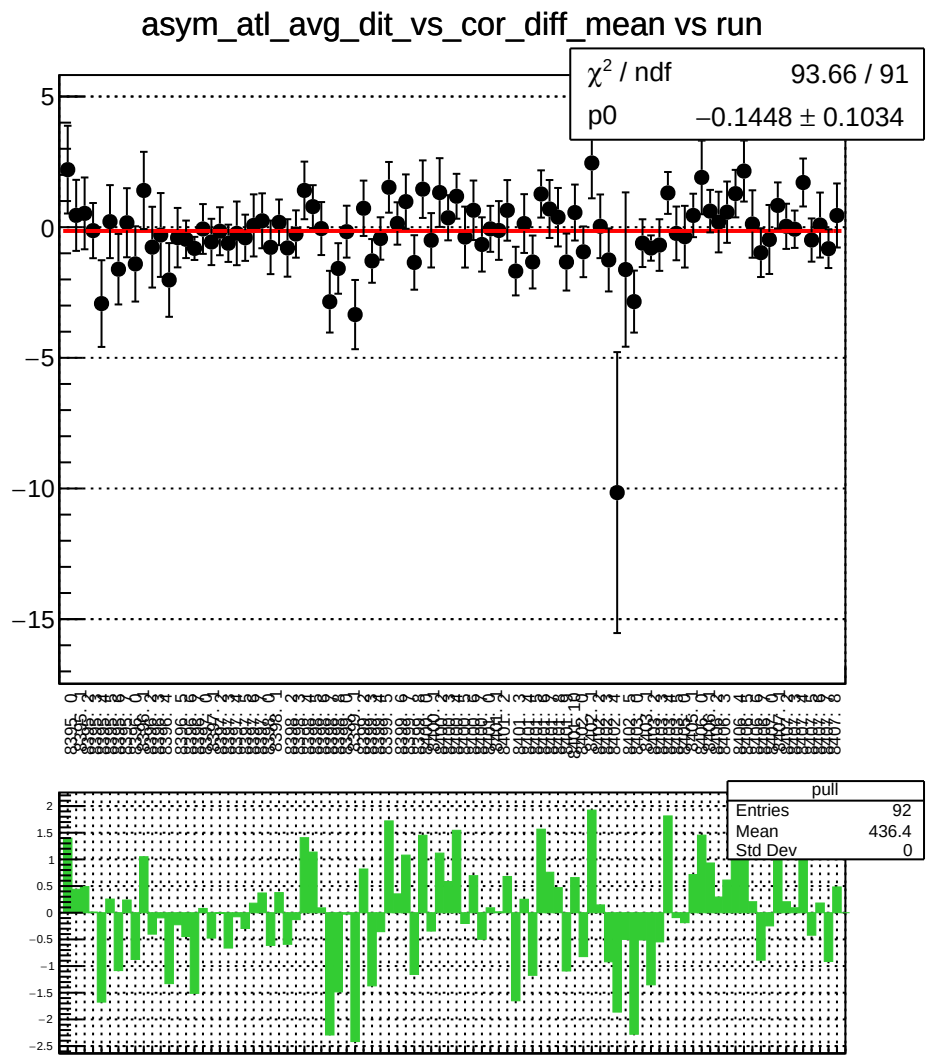

asym_atl_avg_mean vs run
×10^3
χ² / ndf 103.2 / 91
p0 3433 ± 5245
pull
Entries 92
Mean −7.785
Std Dev 0

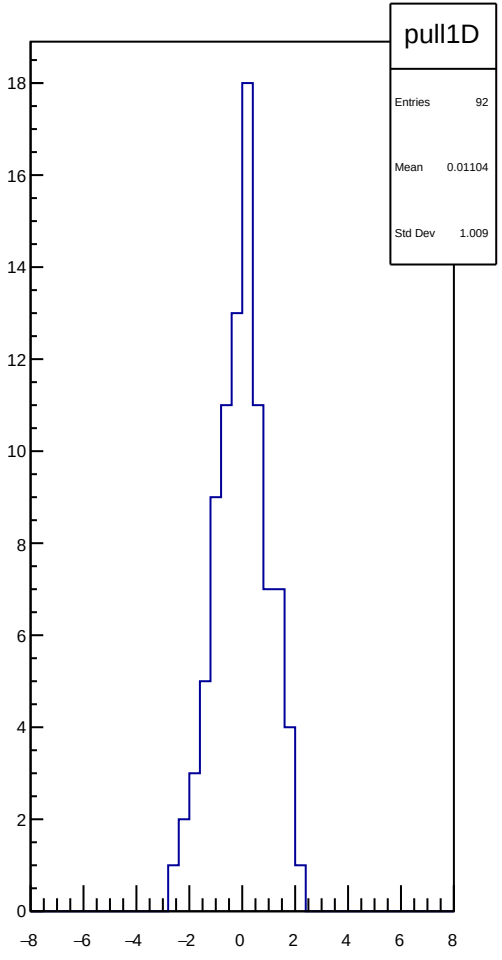

pull1D
Entries 92
Mean −0.007582
Std Dev 1.059

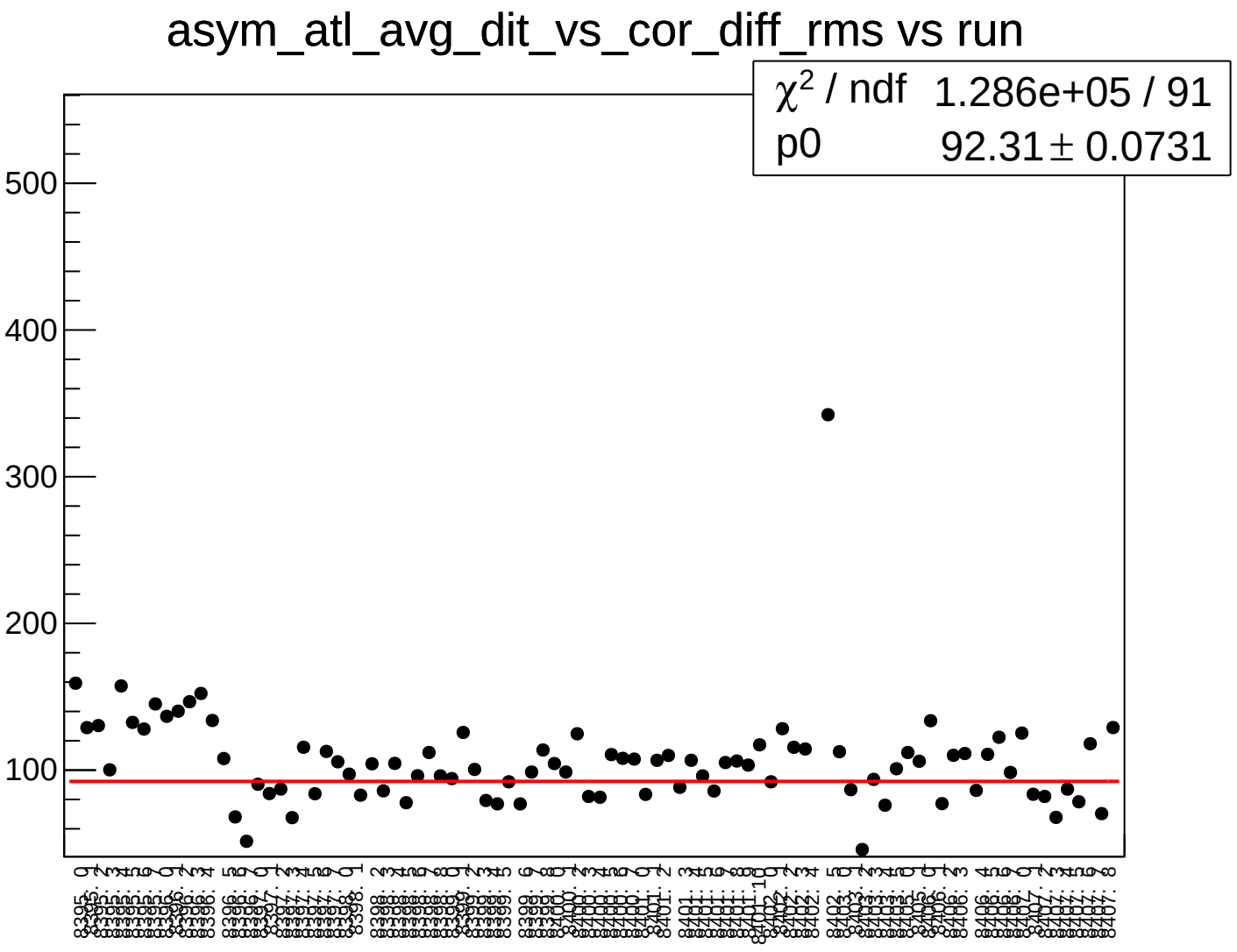

asym_atl_avg_rms vs run
χ² / ndf 7173 / 91
p0 4859 ± 3.709
5800
5600
5400
5200
5000
4800
4600
4400
4200

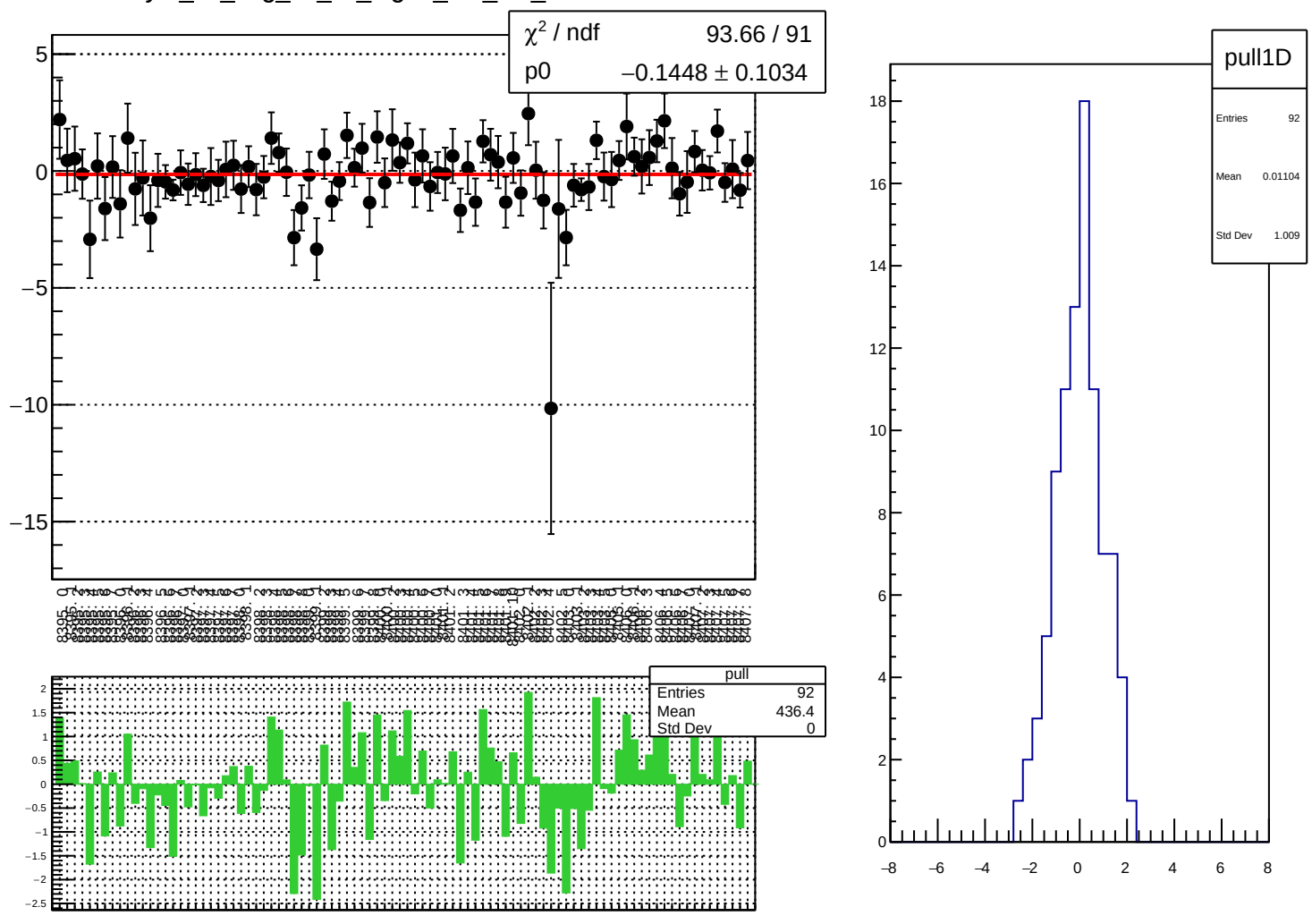

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 78.56 / 91
p0 −4.941e−13 ± 5.436e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean −44.05
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.04388
Std Dev 0.923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

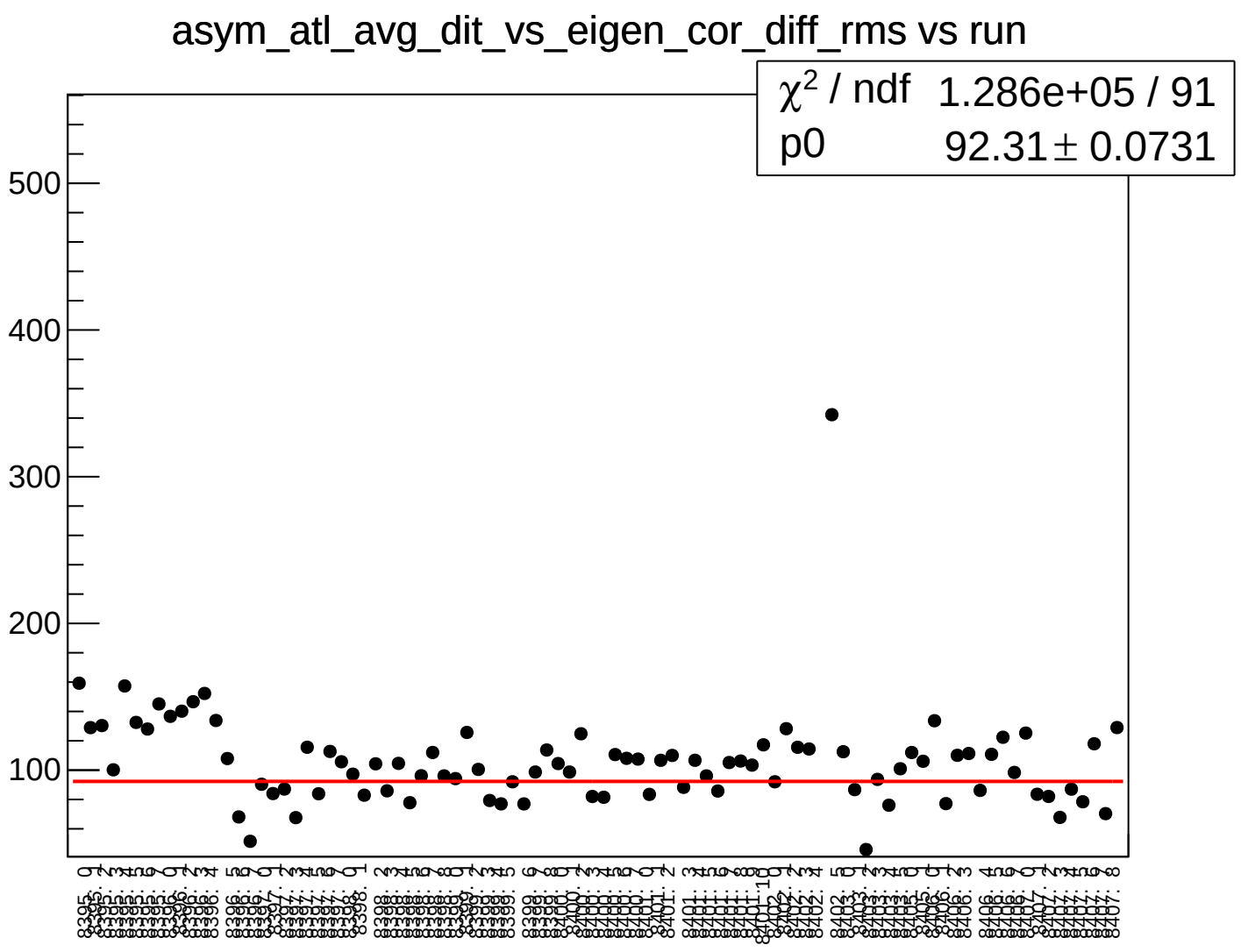

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.043e+06 / 91
p0 3.172e−10 ± 3.844e−13
1
0.8
0.6
0.4
0.2
0

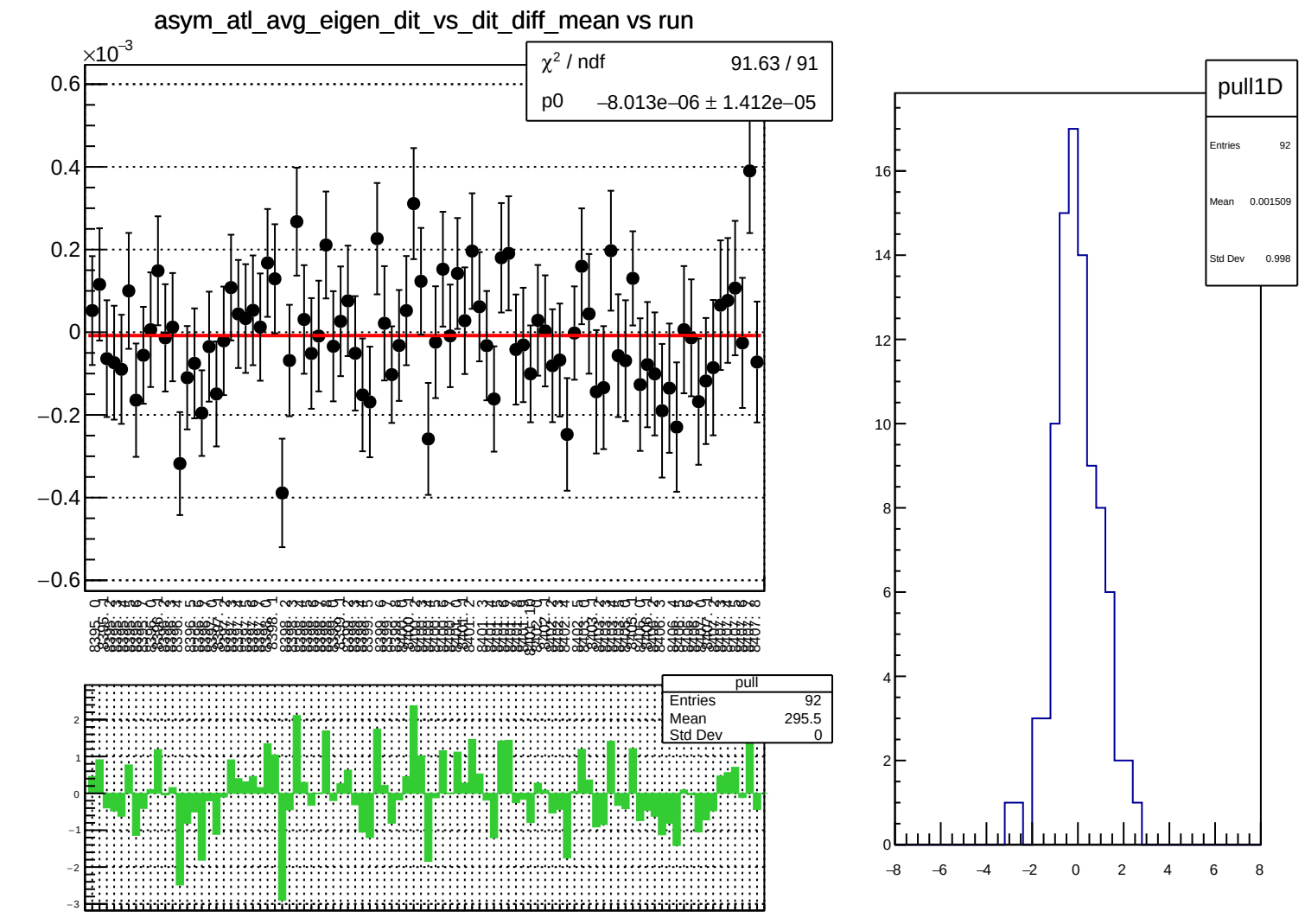

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 93.66 / 91
p0 −0.1448 ± 0.1034
pull
Entries 92
Mean 436.4
Std Dev 0

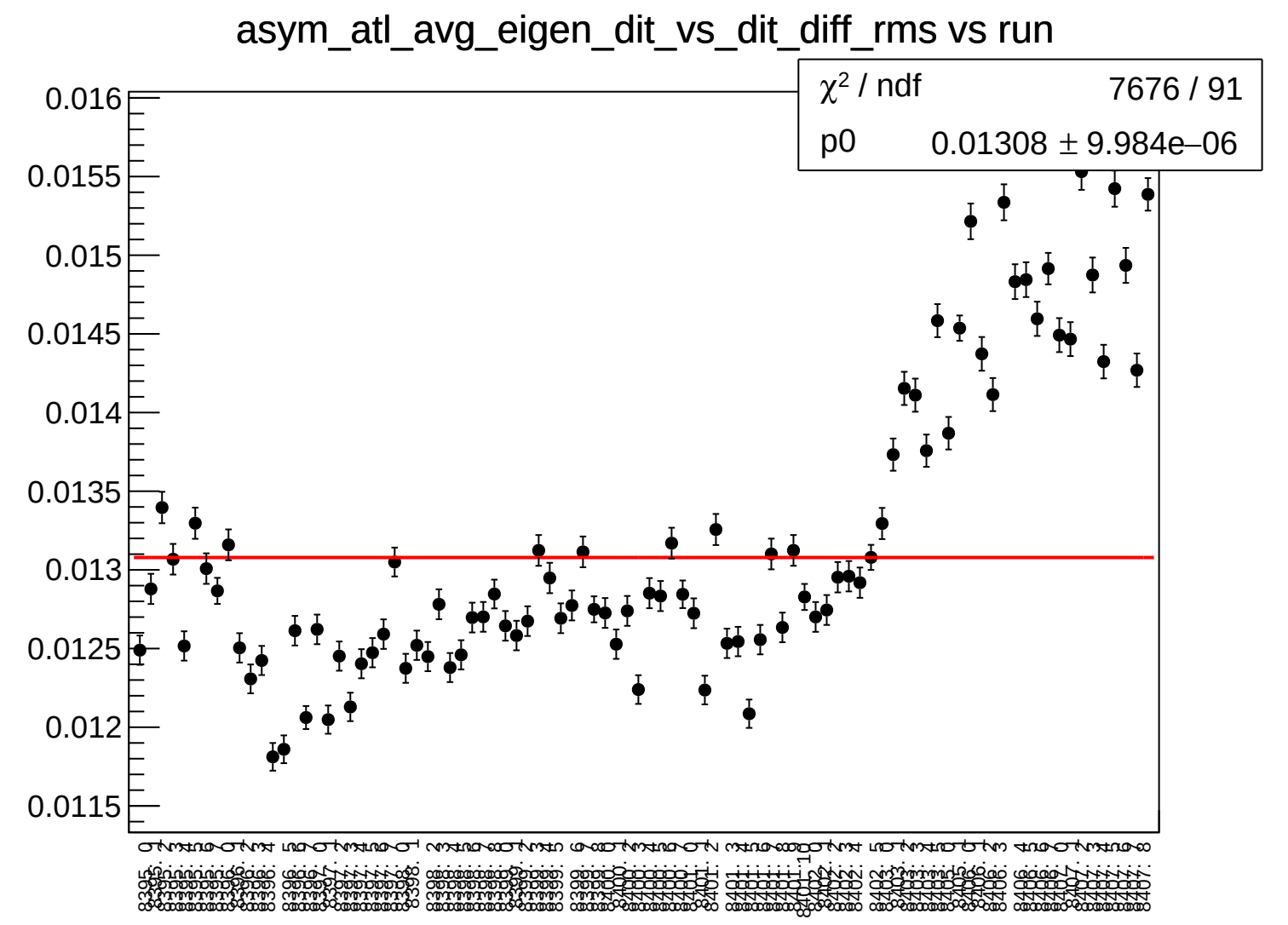

pull1D
Entries 92
Mean 0.01104
Std Dev 1.009

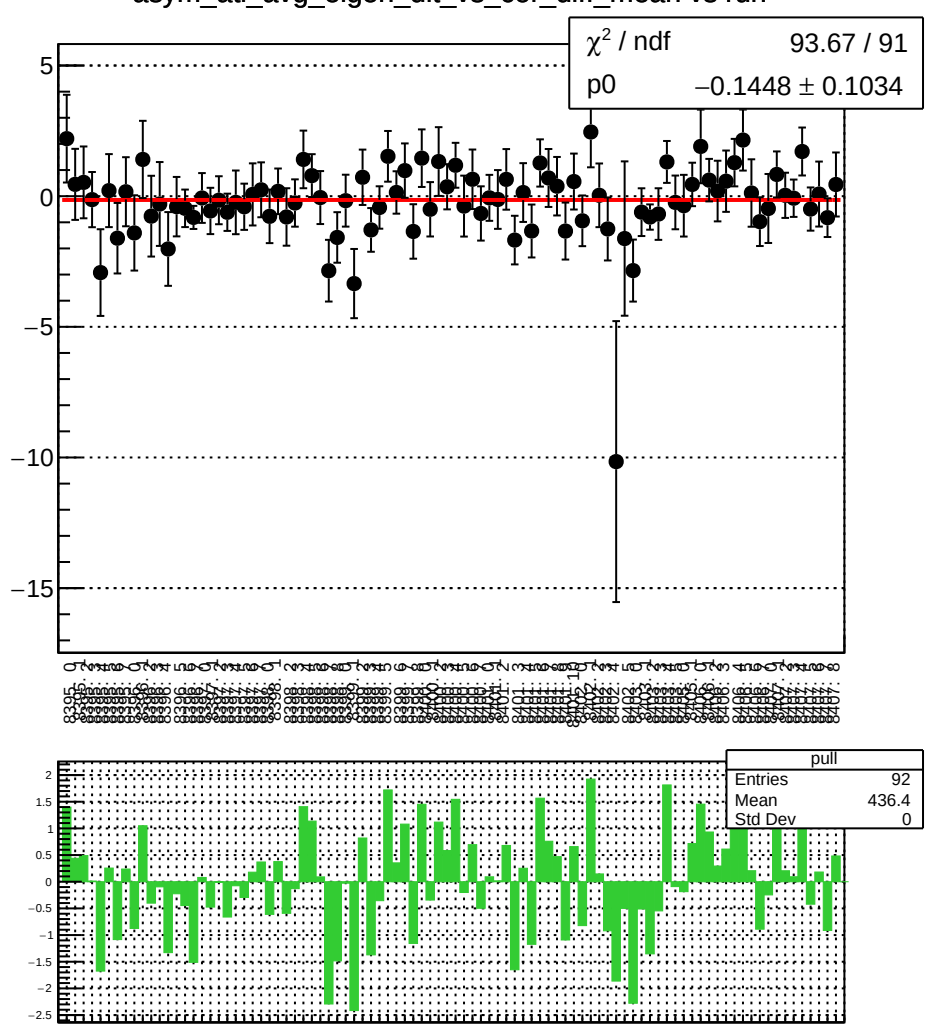

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 91
p0 92.31 ± 0.0731
500
400
300
200
100

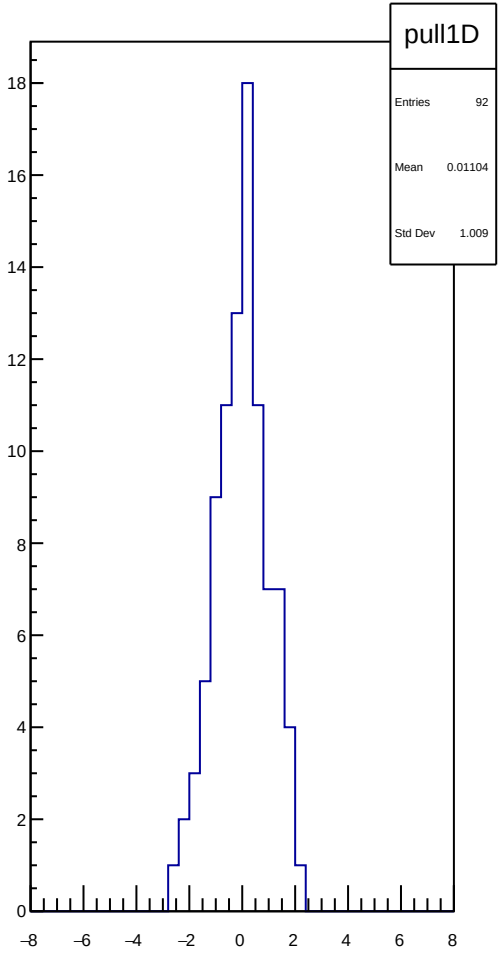

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.66 / 91
p0 −0.1448 ± 0.1034
pull
Entries 92
Mean 436.4
Std Dev 0
pull1D
Entries 92
Mean 0.01104
Std Dev 1.009

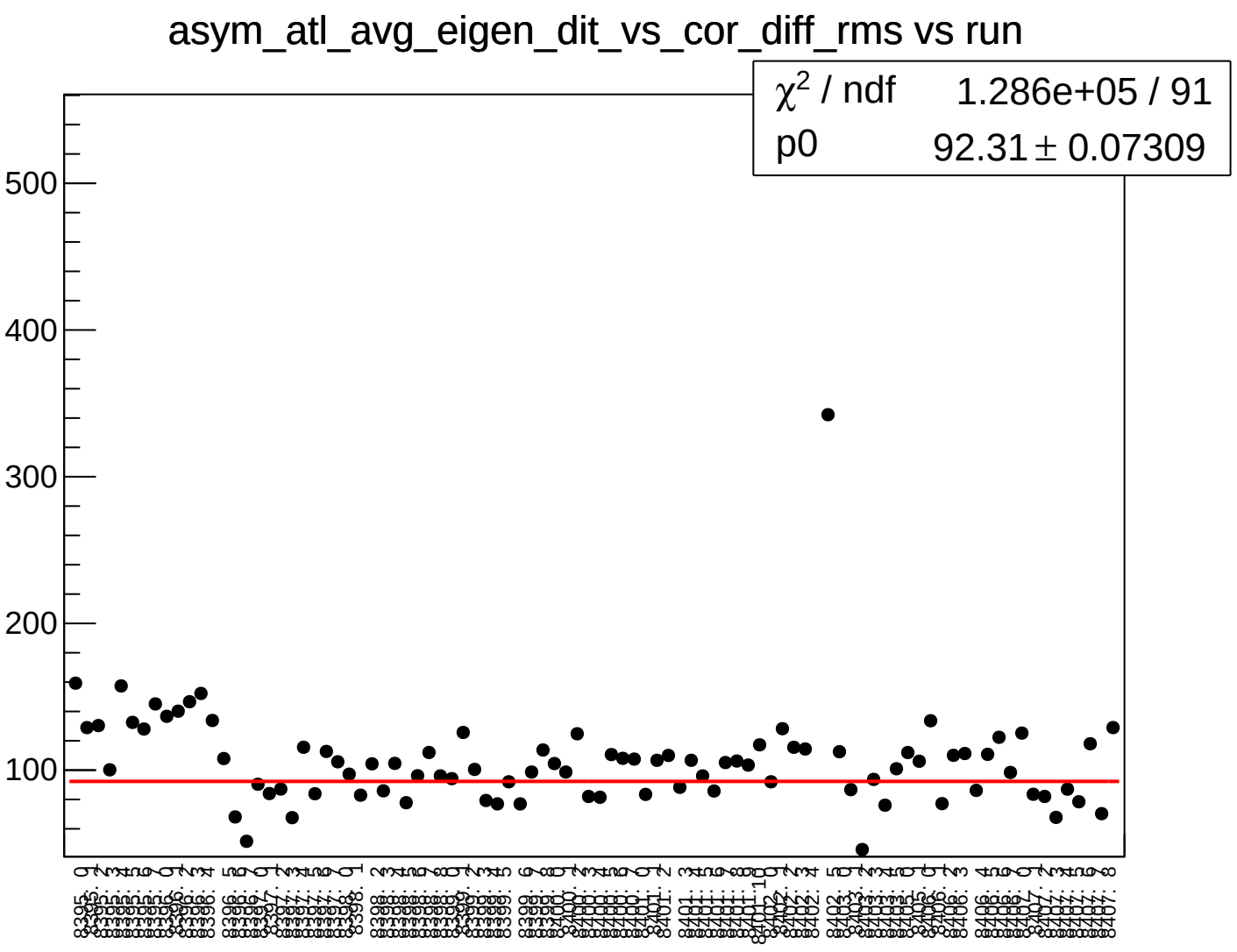

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 91
p0 92.31 ± 0.0731
500
400
300
200
100

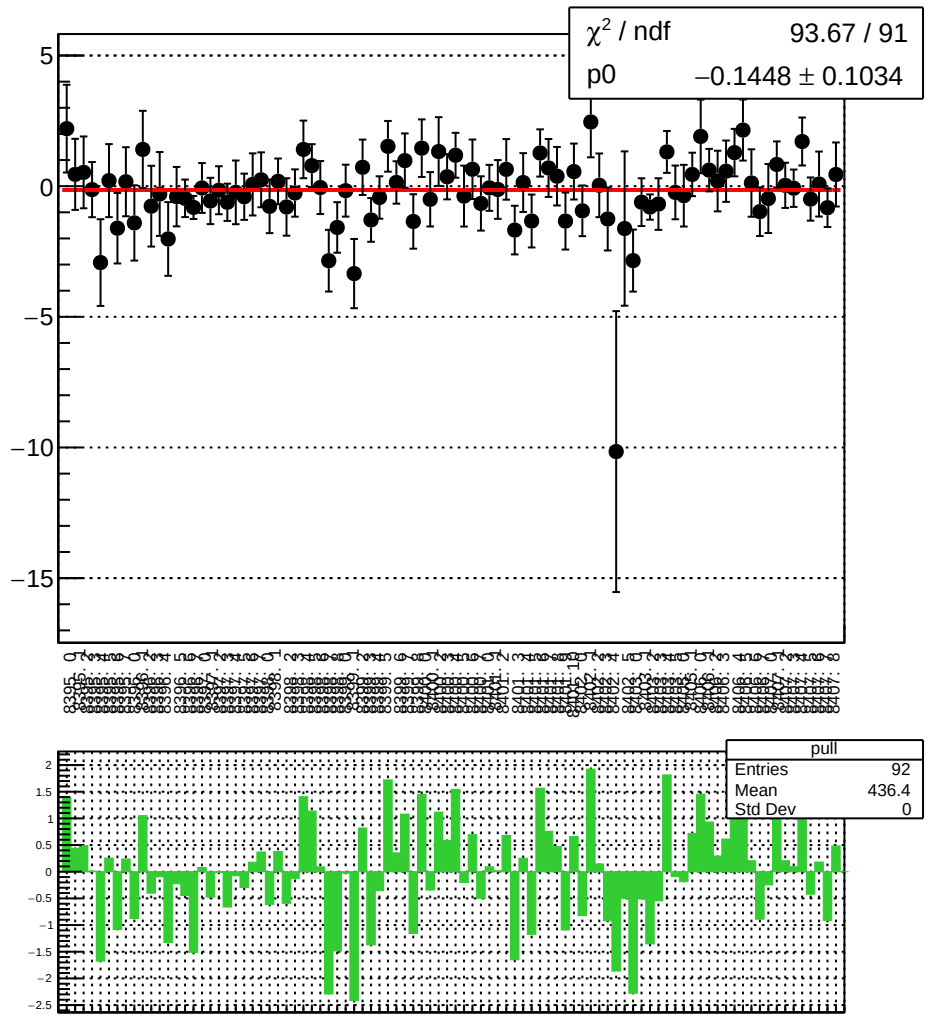

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.63 / 91
p0 −8.013e−06 ± 1.412e−05
pull
Entries 92
Mean 295.5
Std Dev 0
pull1D
Entries 92
Mean 0.001509
Std Dev 0.998

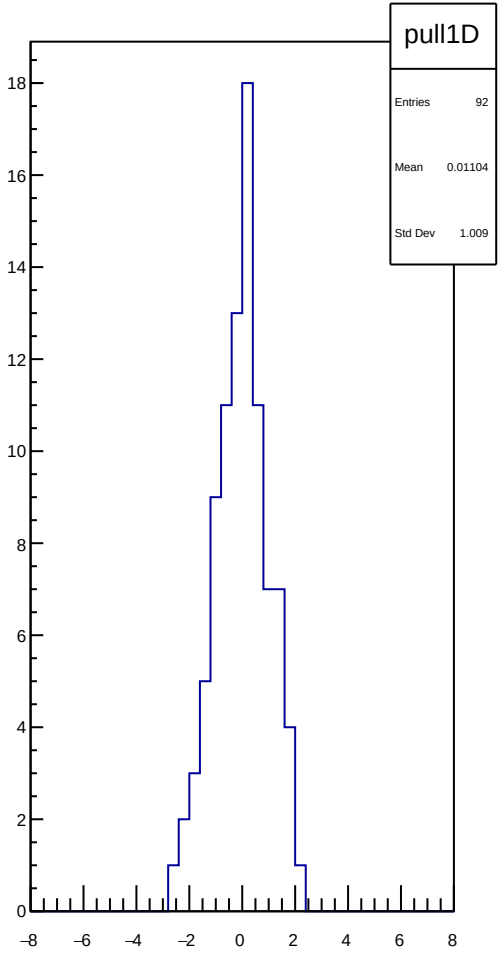

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7676 / 91
p0 0.01308 ± 9.984e−06
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115

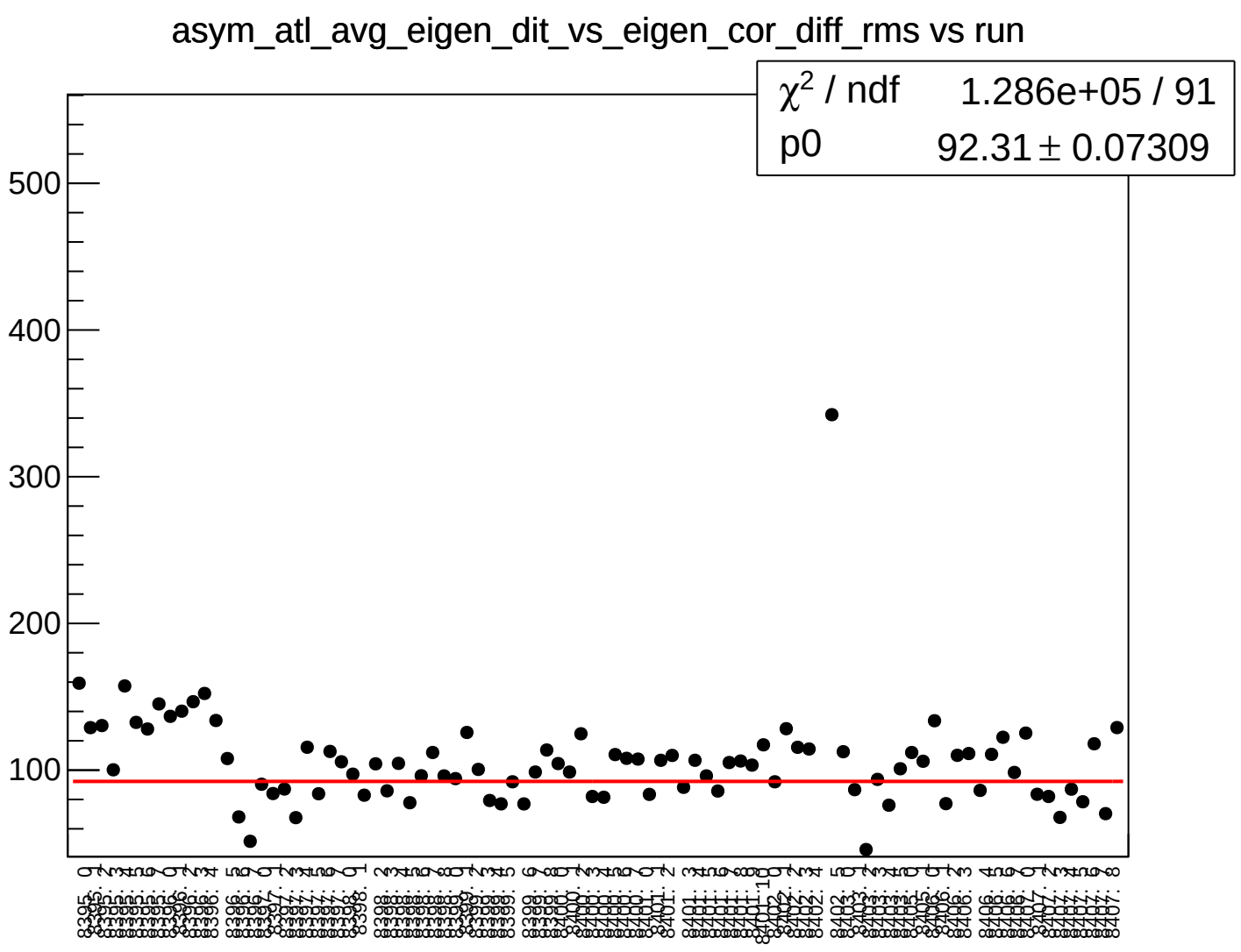

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.67 / 91
p0 −0.1448 ± 0.1034
pull
Entries 92
Mean 436.4
Std Dev 0

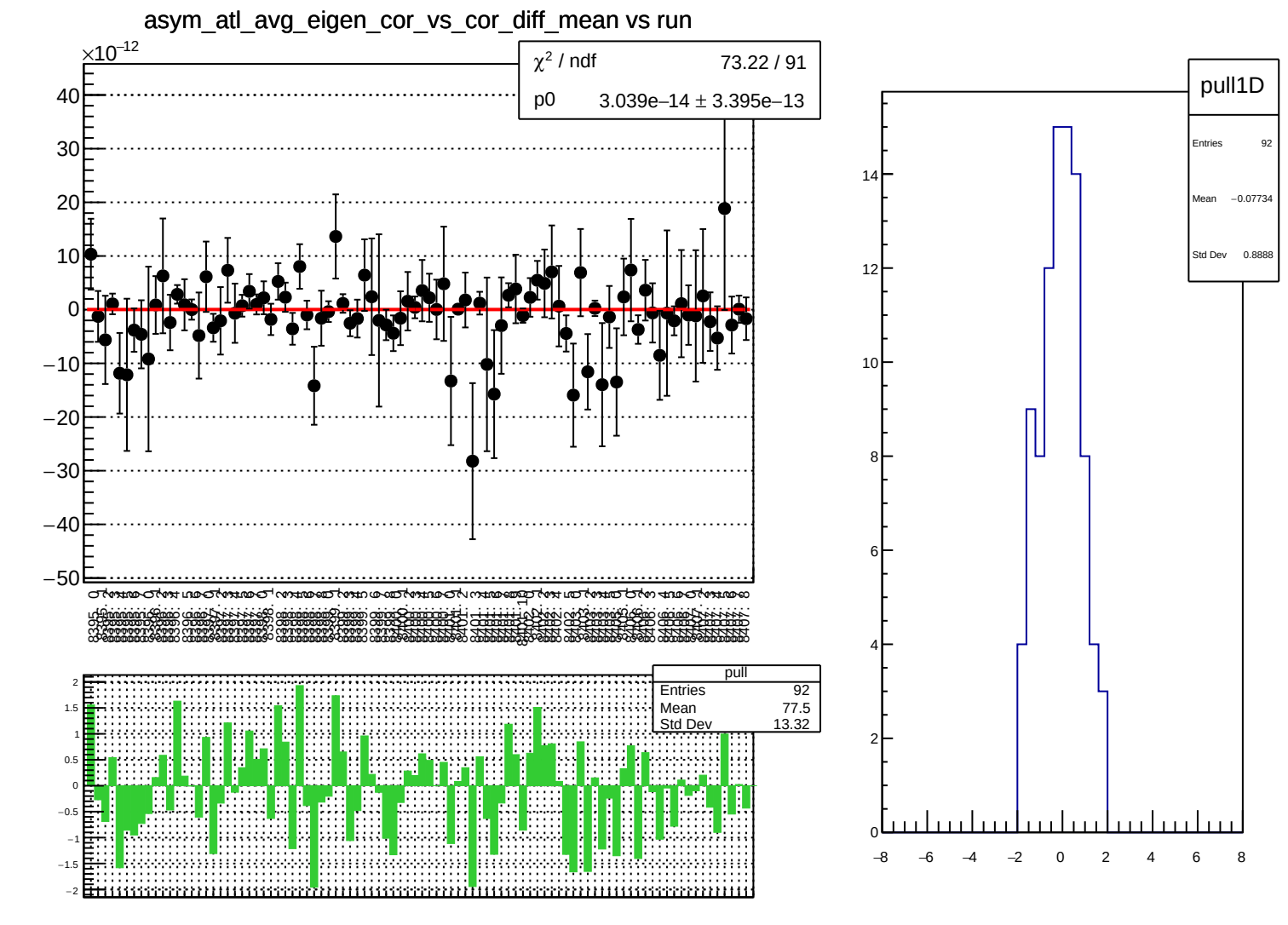

pull1D
Entries 92
Mean 0.01104
Std Dev 1.009

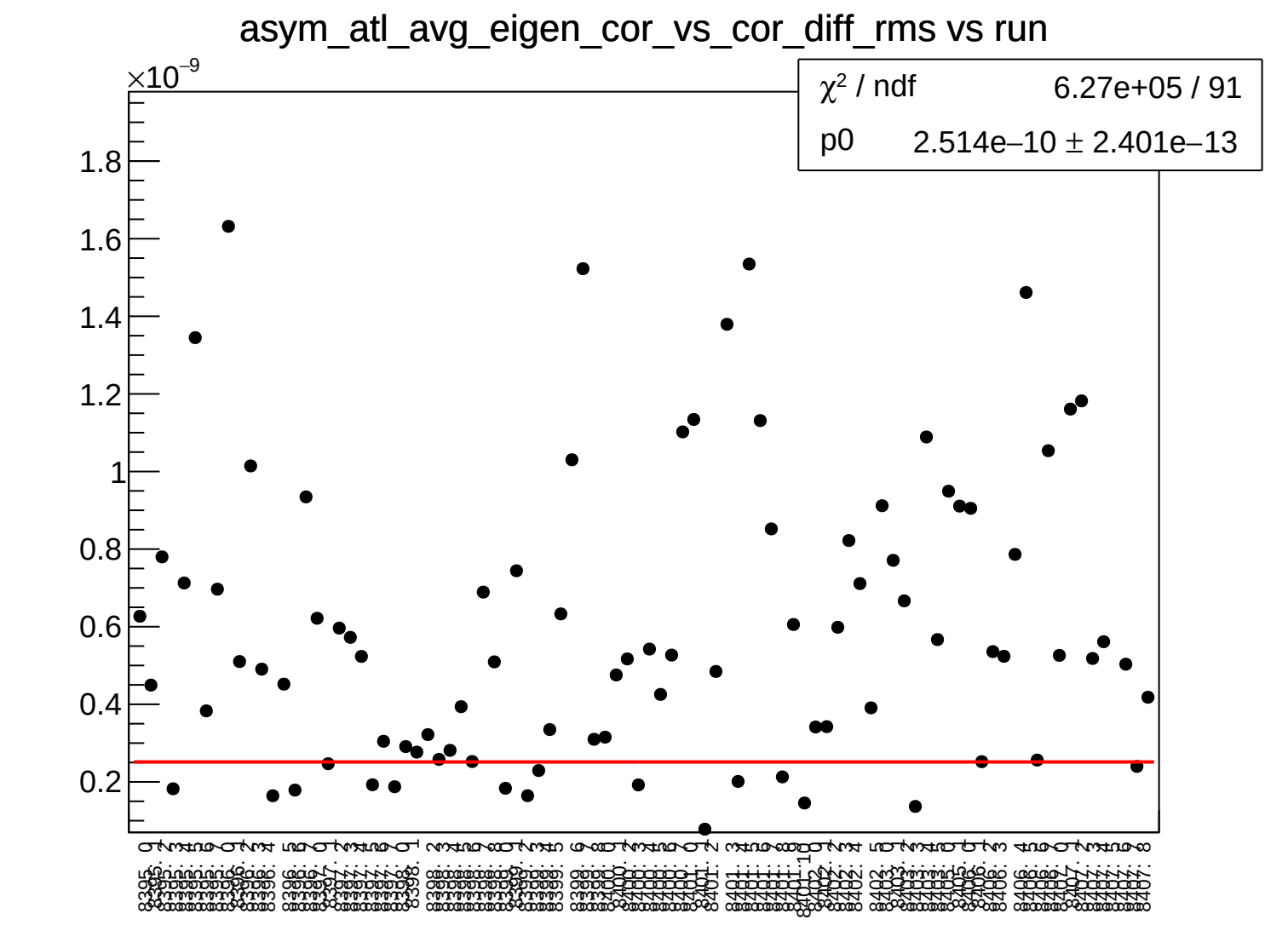

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 1.286e+05 / 91
p0 92.31 ± 0.07309
500
400
300
200
100

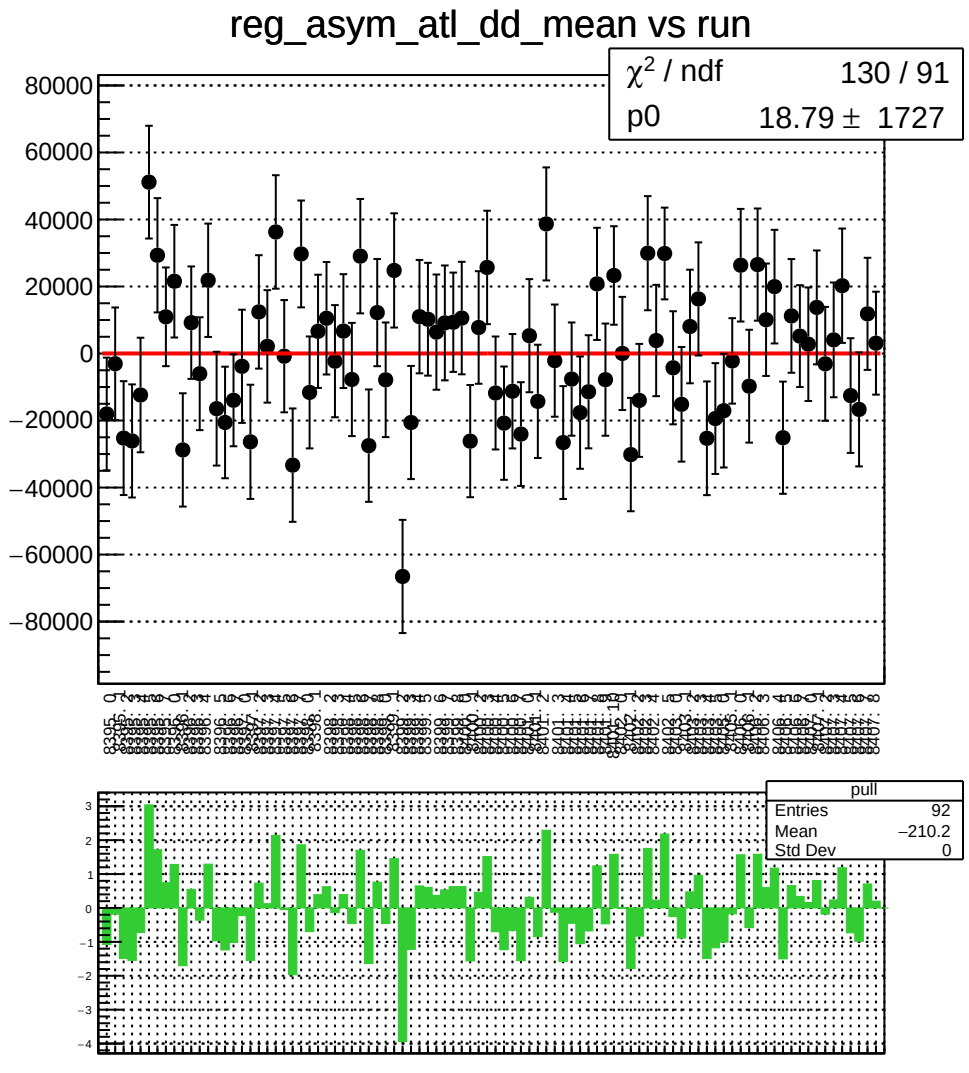

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.67 / 91
p0 −0.1448 ± 0.1034
pull
Entries 92
Mean 436.4
Std Dev 0

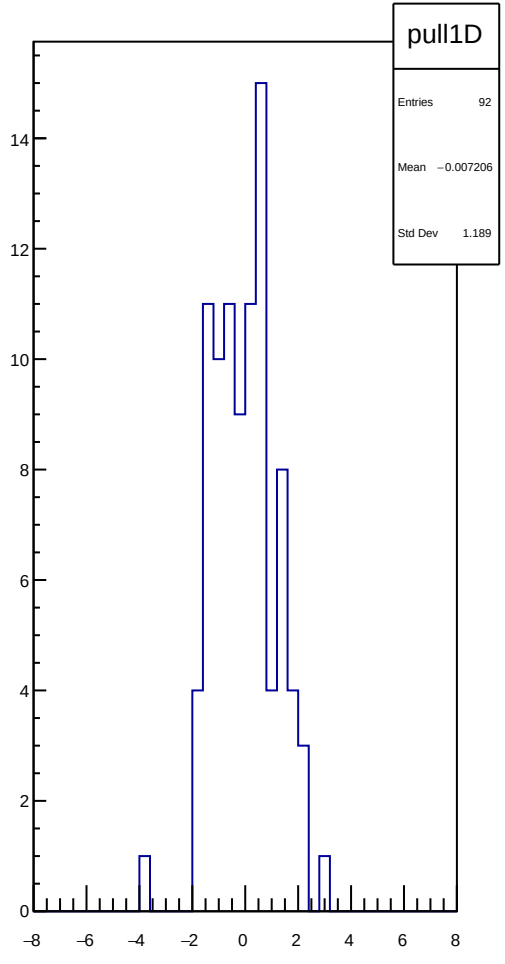

pull1D
Entries 92
Mean 0.01104
Std Dev 1.009

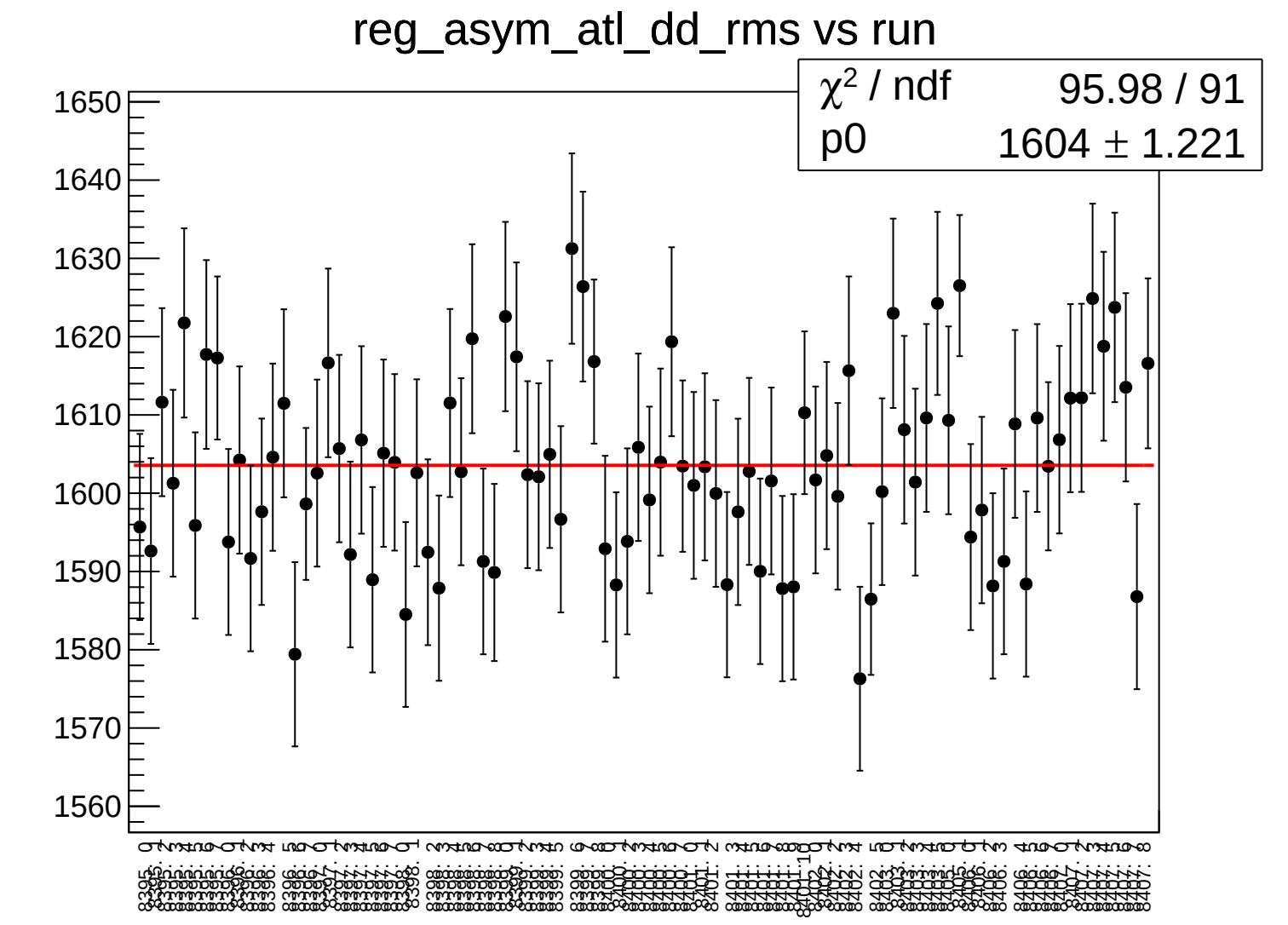

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.286e+05 / 91
p0 92.31 ± 0.07309
500
400
300
200
100

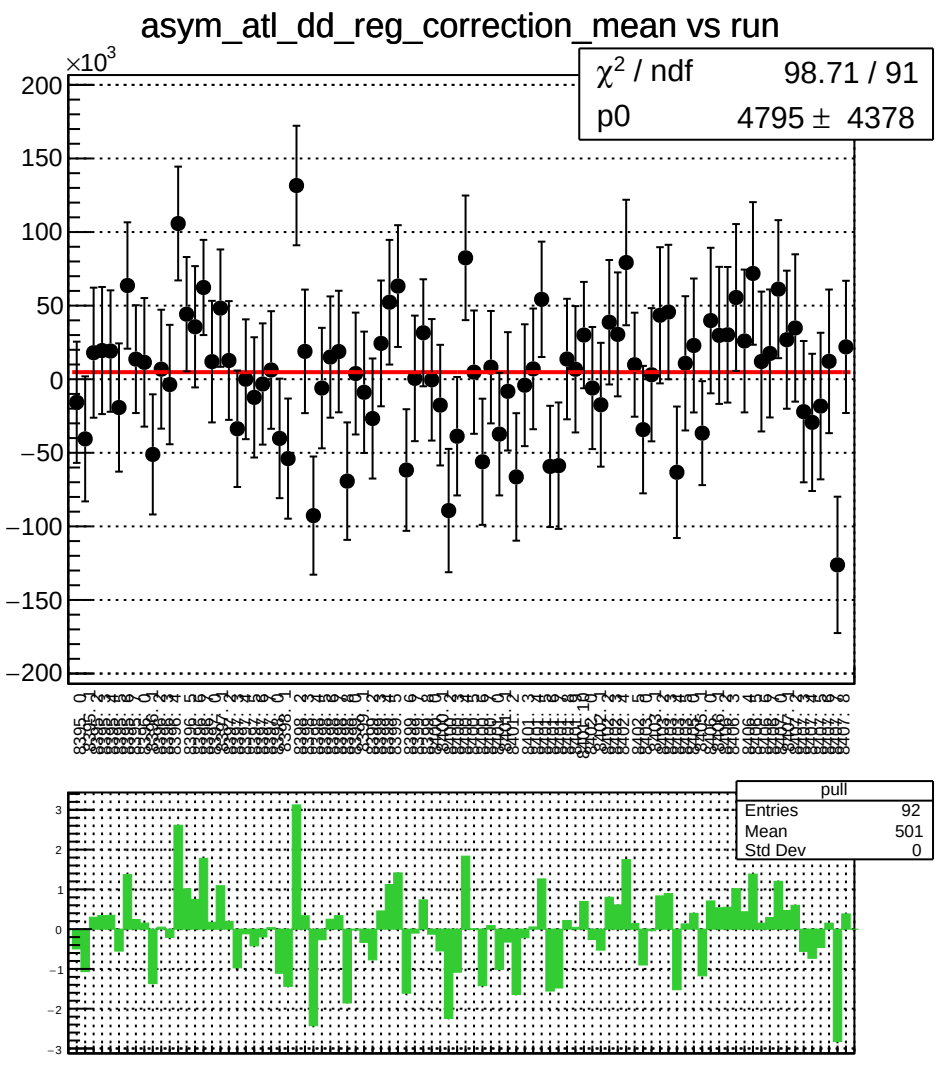

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.22 / 91
p0 3.039e−14 ± 3.395e−13
pull
Entries 92
Mean 77.5
Std Dev 13.32
pull1D
Entries 92
Mean −0.07734
Std Dev 0.8888

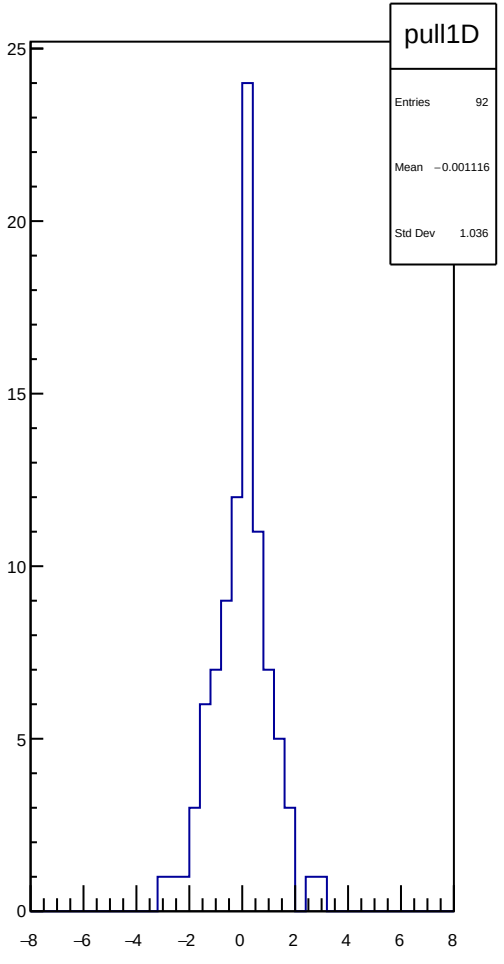

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.27e+05 / 91
p0 2.514e−10 ± 2.401e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

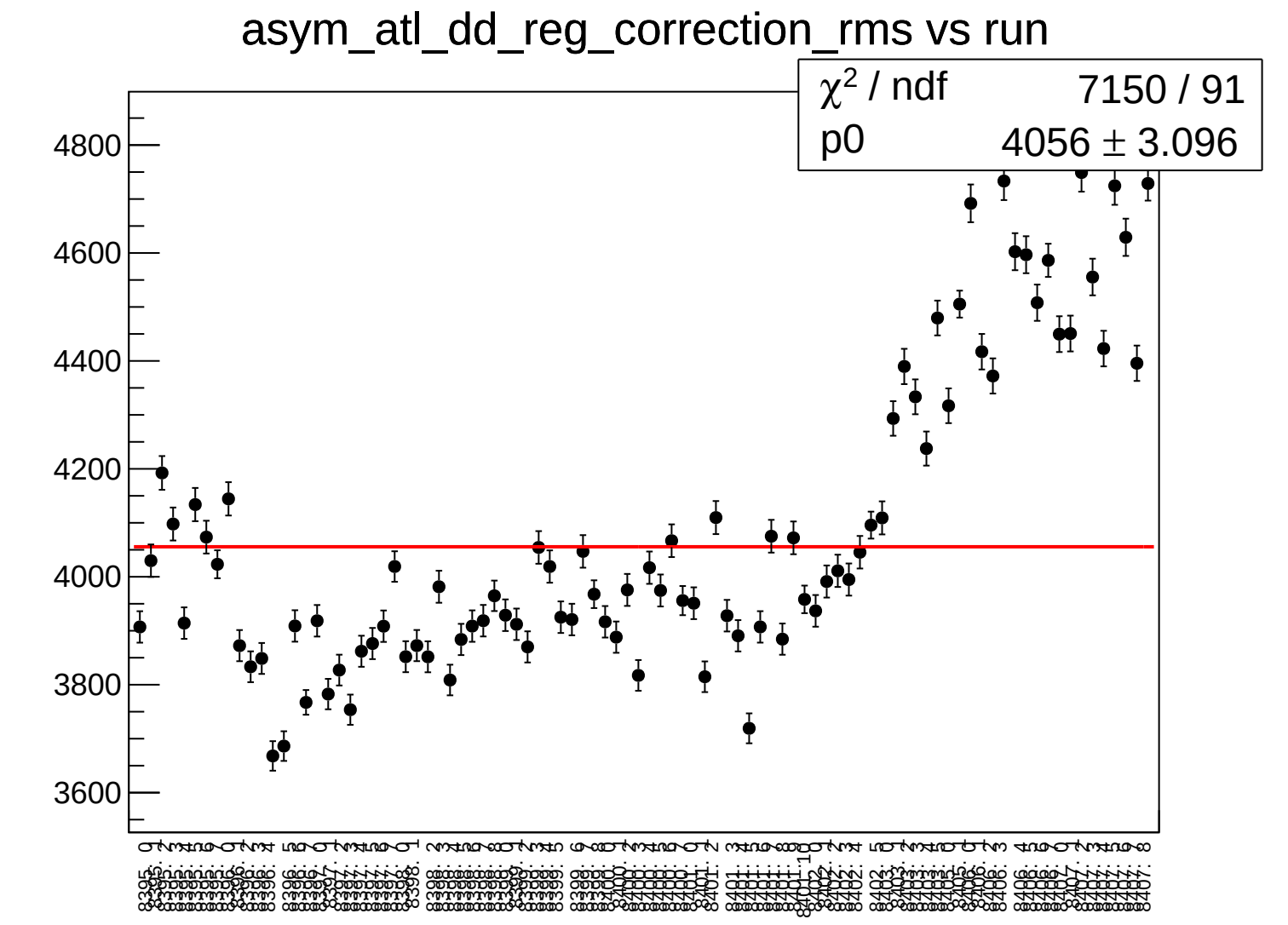

reg_asym_atl_dd_mean vs run
χ² / ndf 130 / 91
p0 18.79 ± 1727
pull
Entries 92
Mean −210.2
Std Dev 0

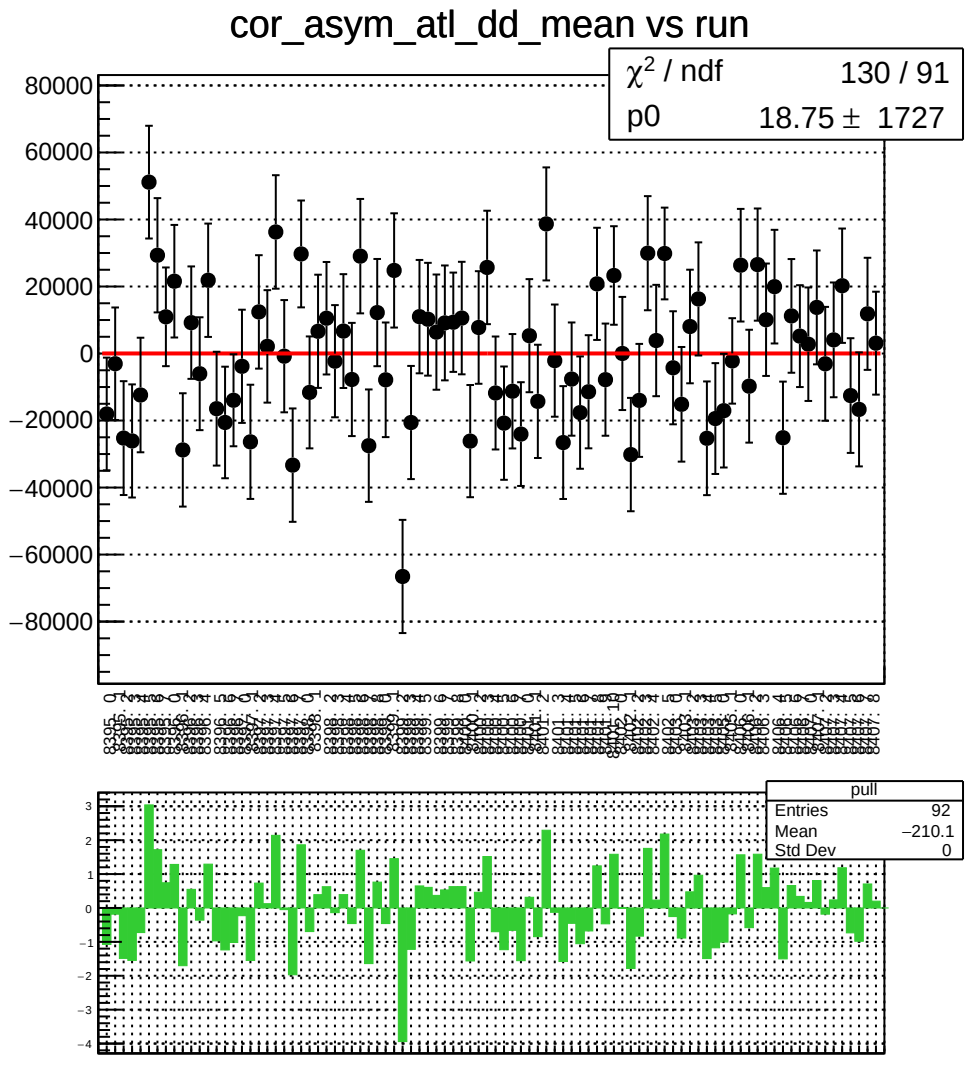

pull1D
Entries 92
Mean −0.007206
Std Dev 1.189

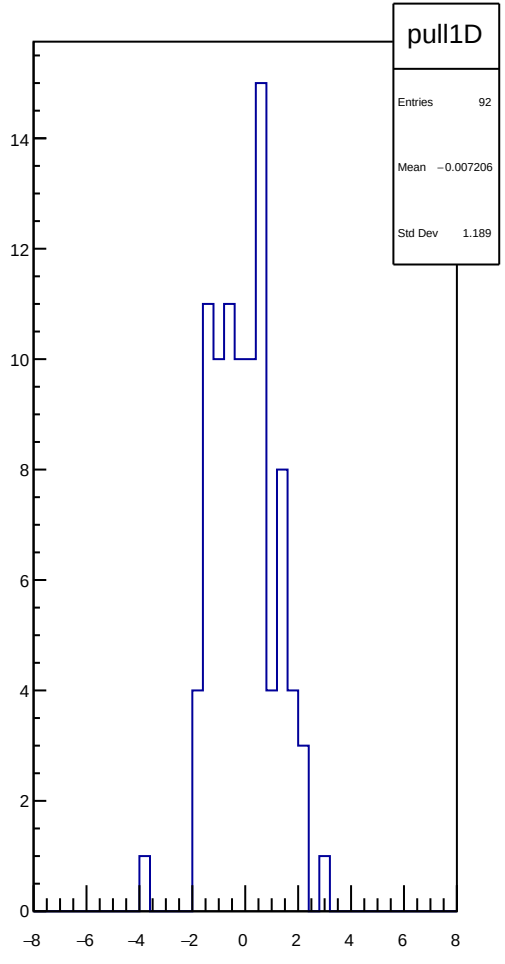

reg_asym_atl_dd_rms vs run
χ² / ndf 95.98 / 91
p0 1604 ± 1.221
1650
1640
1630
1620
1610
1600
1590
1580
1570
1560

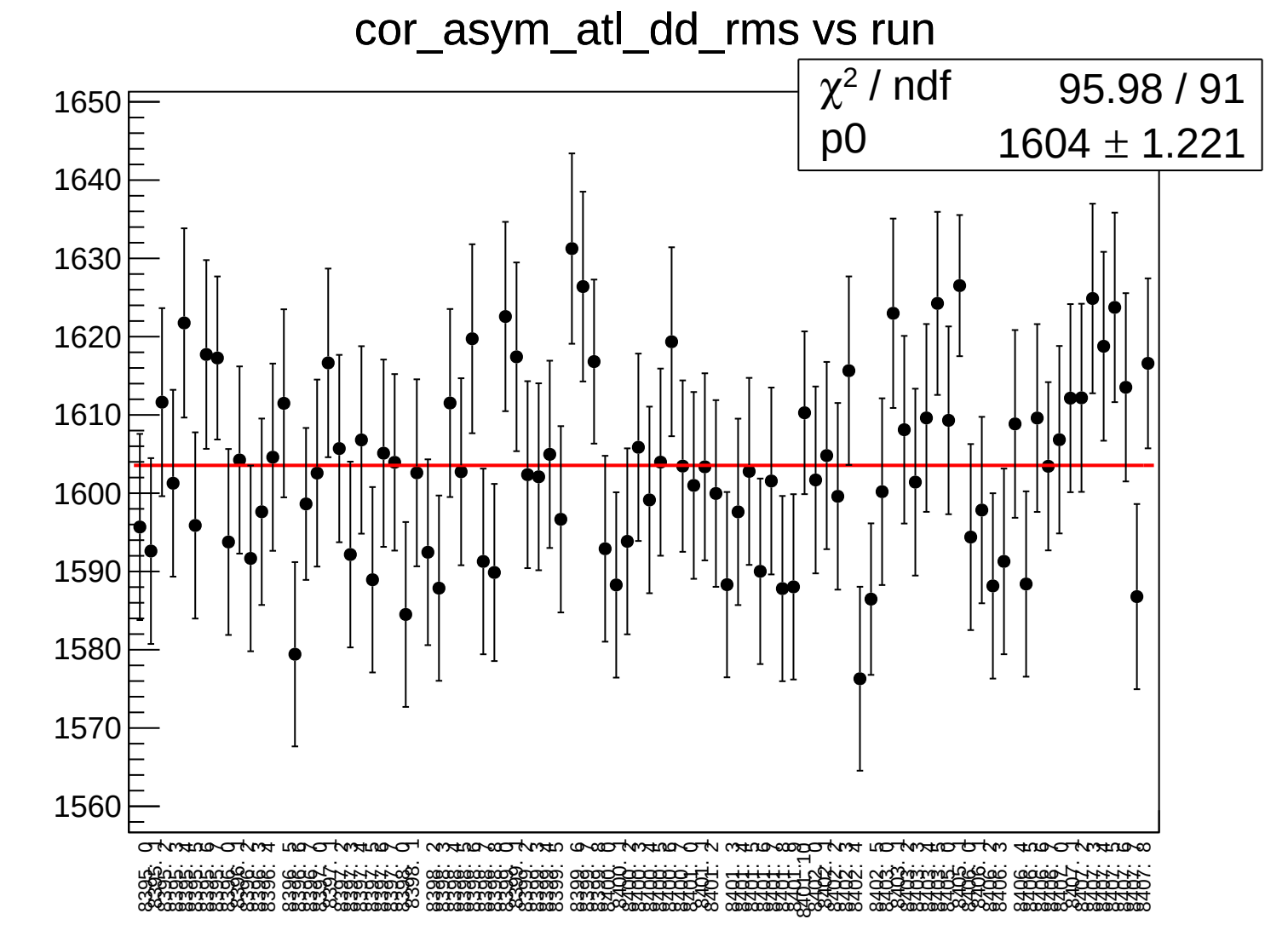

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 98.71 / 91
p0 4795 ± 4378
pull
Entries 92
Mean 501
Std Dev 0

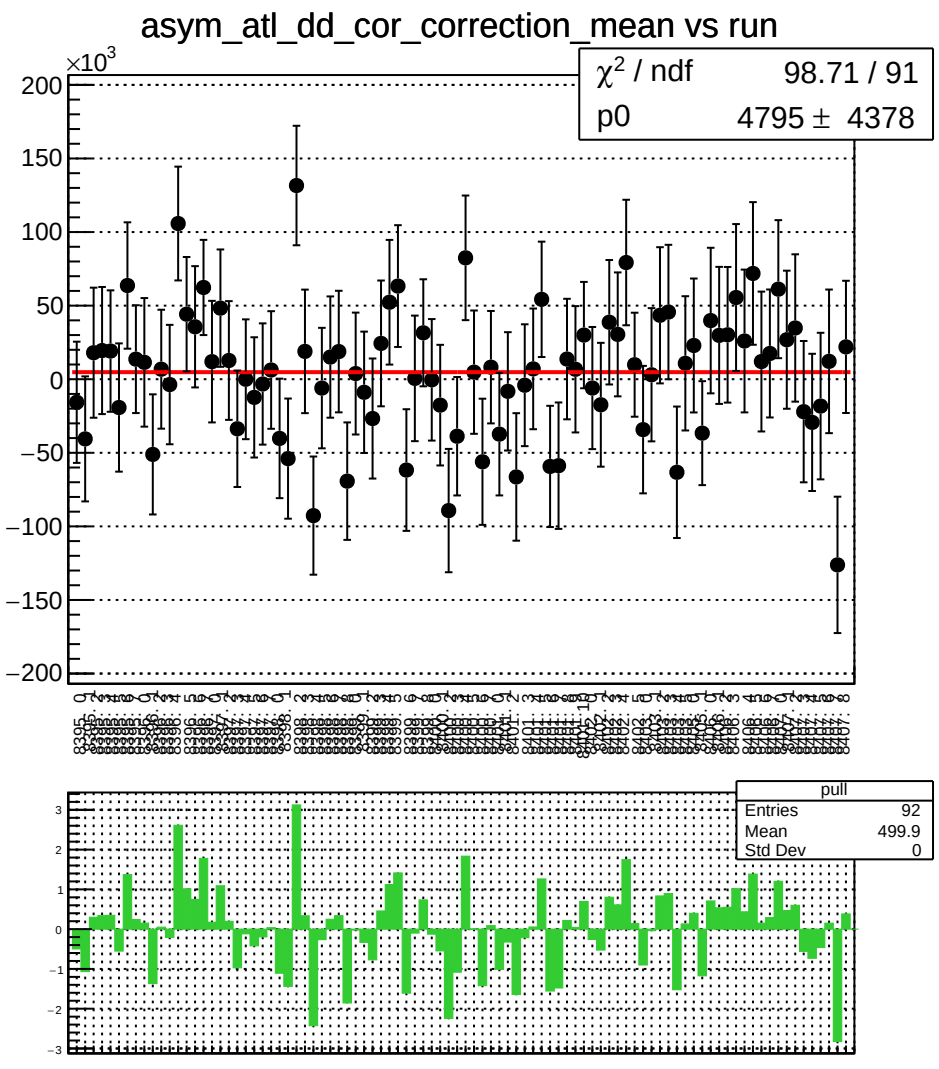

pull1D
Entries 92
Mean −0.001116
Std Dev 1.036

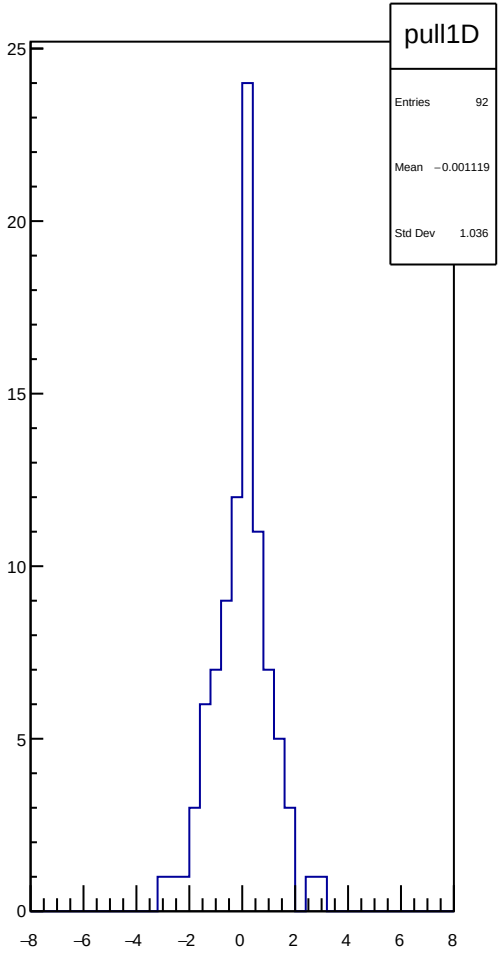

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 7150 / 91
p0 4056 ± 3.096
4800
4600
4400
4200
4000
3800
3600

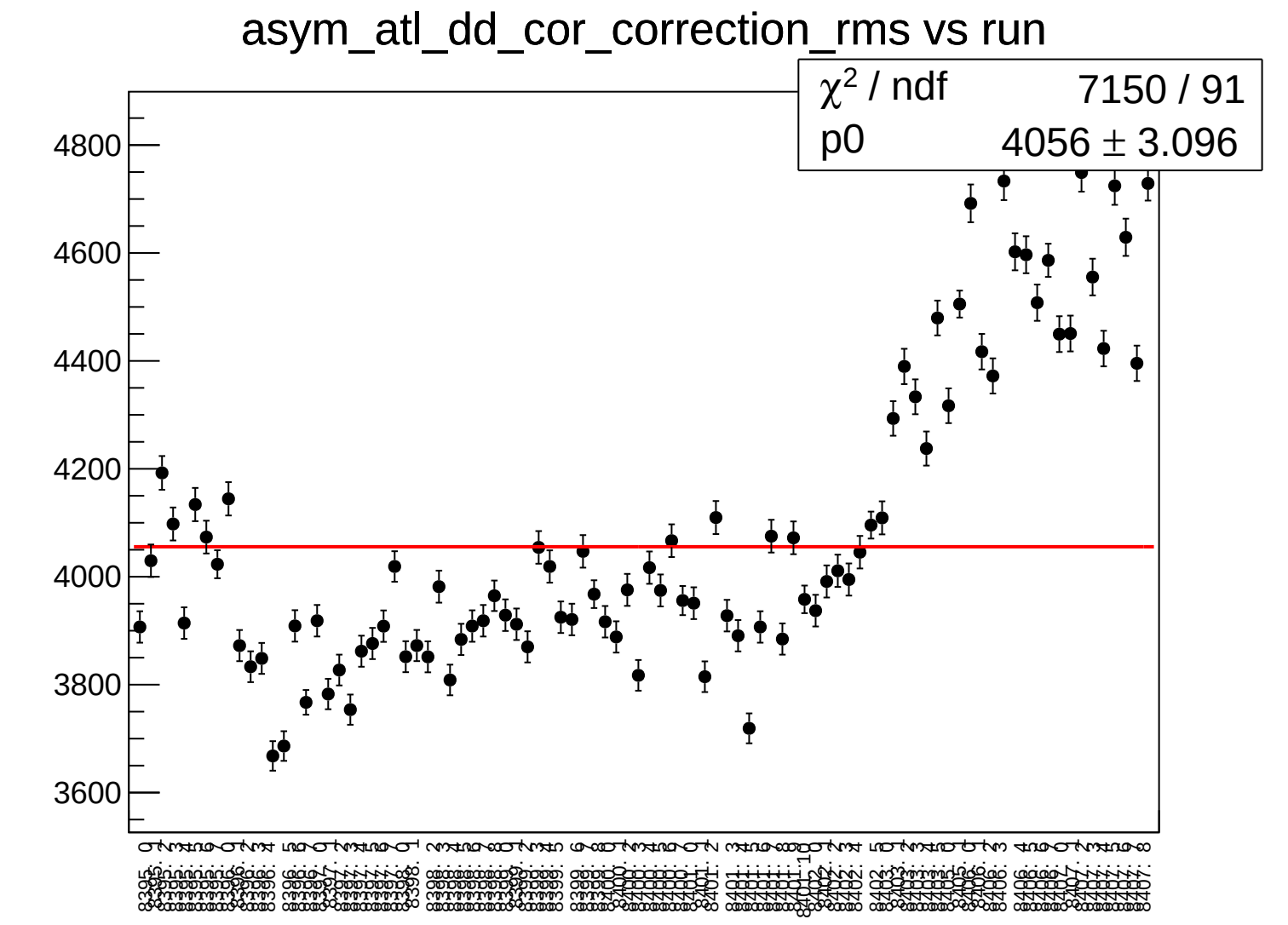

cor_asym_atl_dd_mean vs run
χ² / ndf 130 / 91
p0 18.75 ± 1727
pull
Entries 92
Mean −210.1
Std Dev 0

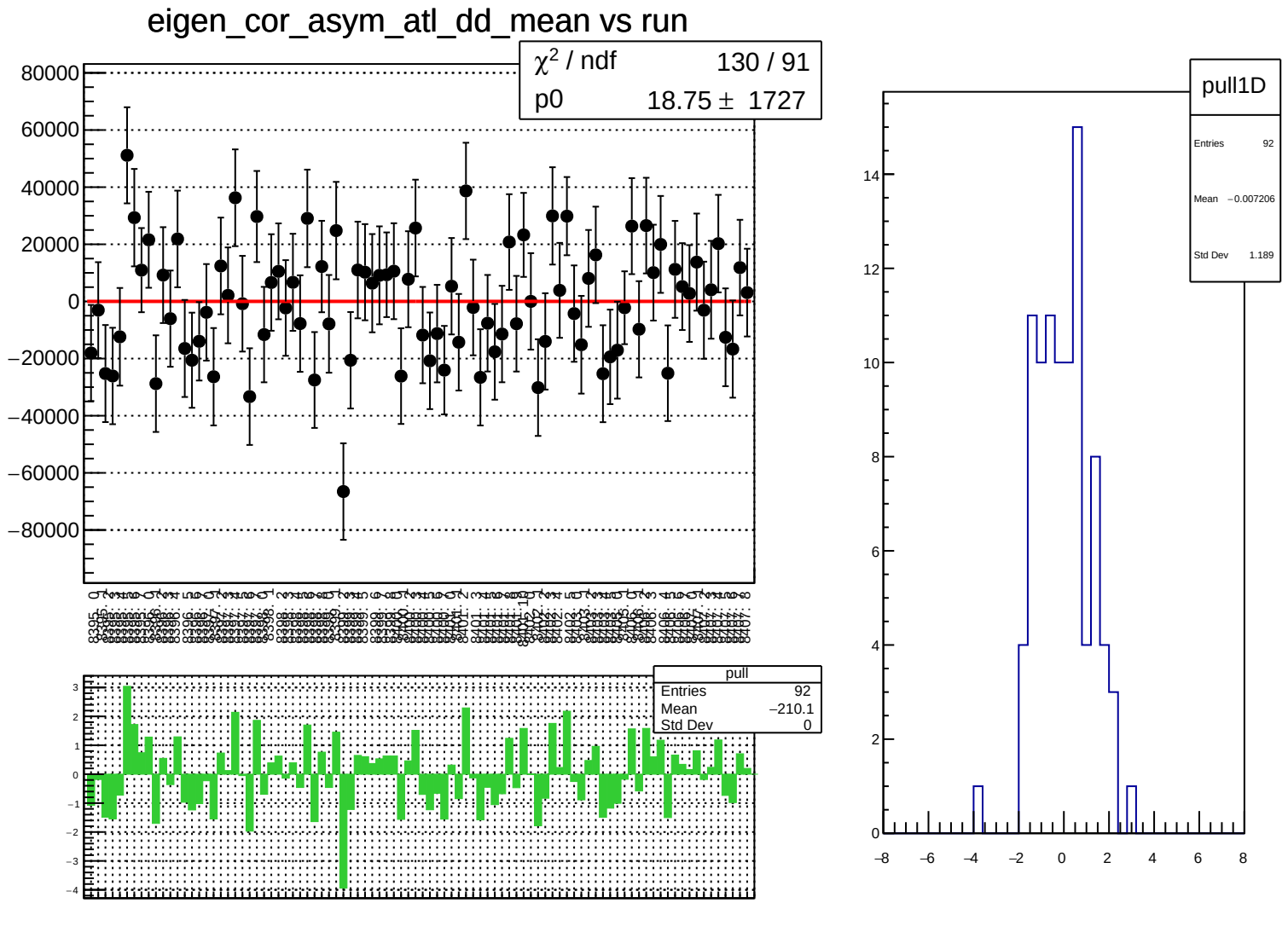

pull1D
Entries 92
Mean −0.007206
Std Dev 1.189

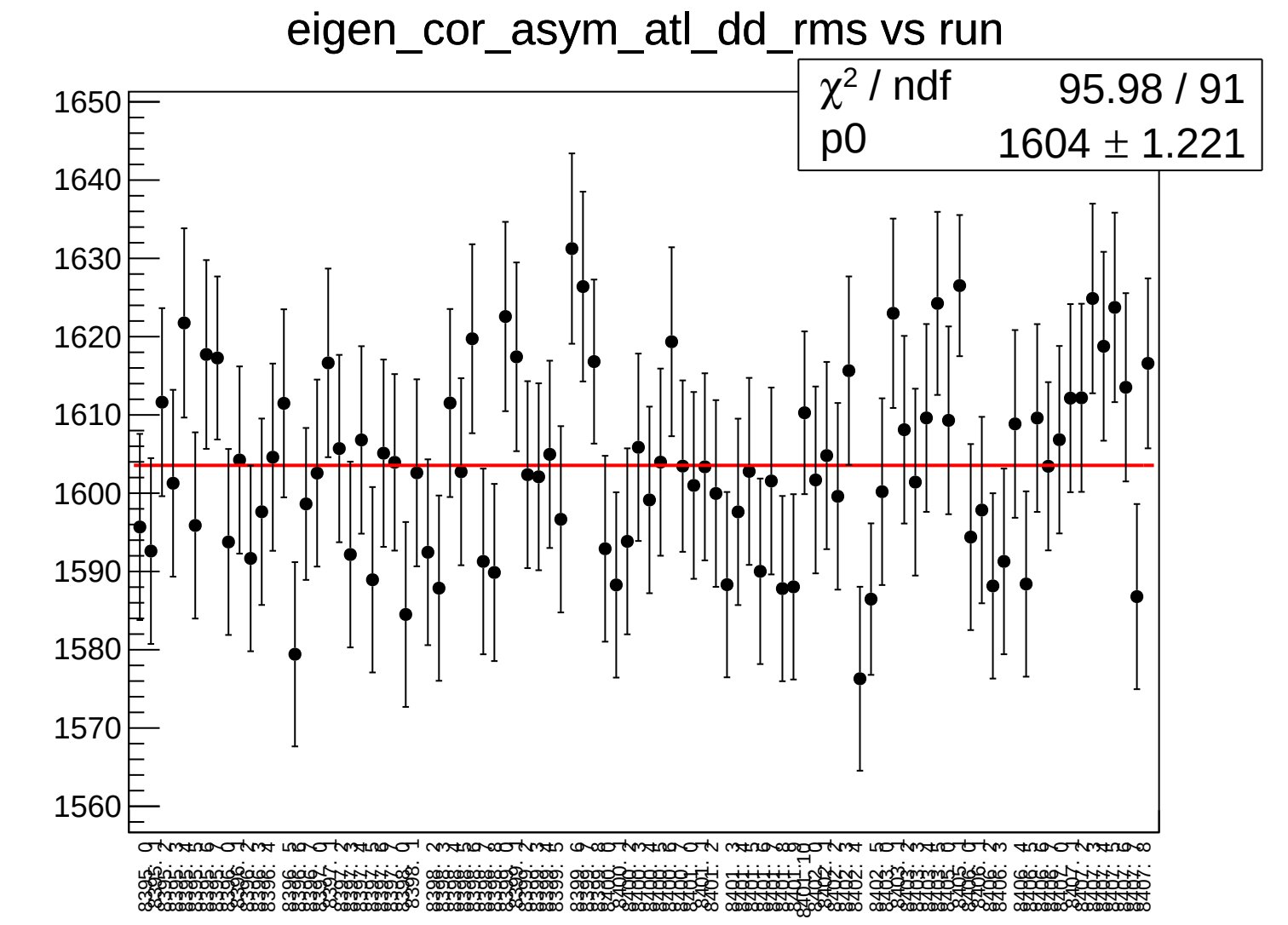

cor_asym_atl_dd_rms vs run
χ² / ndf 95.98 / 91
p0 1604 ± 1.221
1650
1640
1630
1620
1610
1600
1590
1580
1570
1560

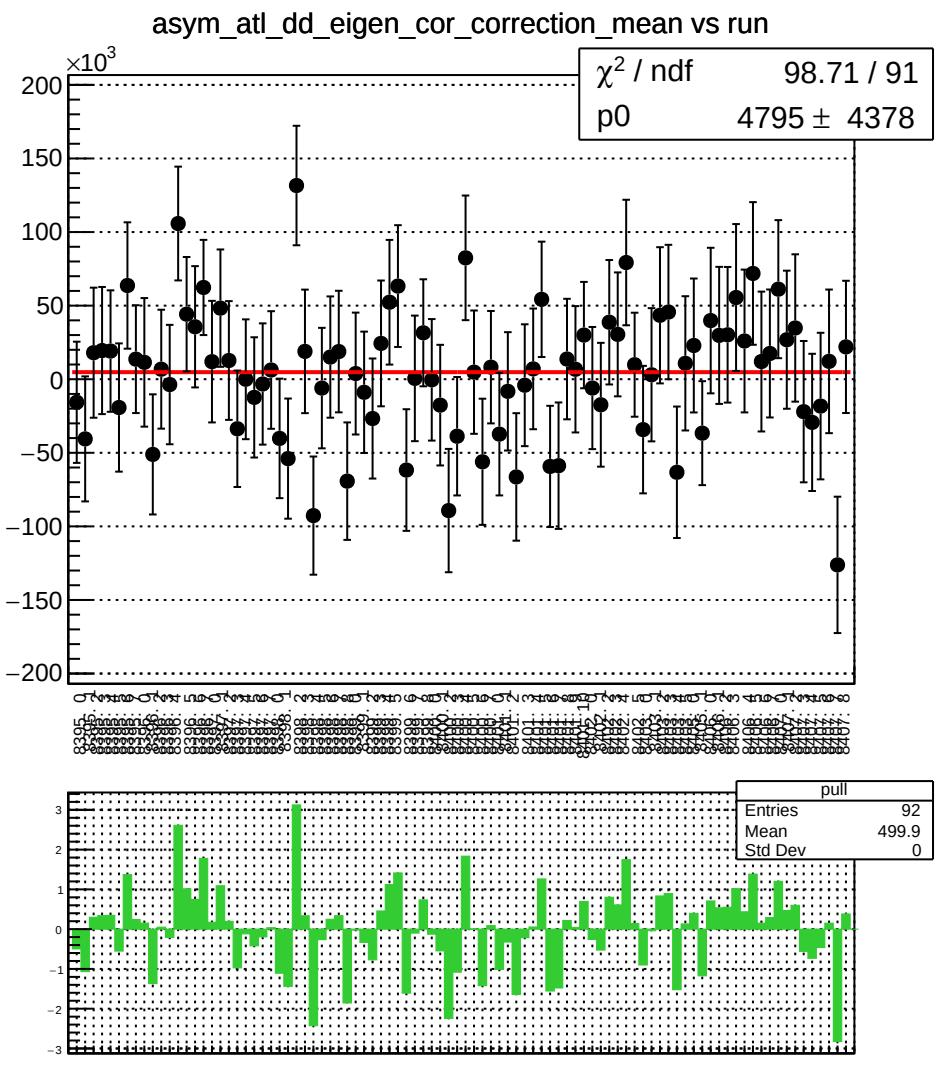

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 98.71 / 91
p0 4795 ± 4378
pull
Entries 92
Mean 499.9
Std Dev 0

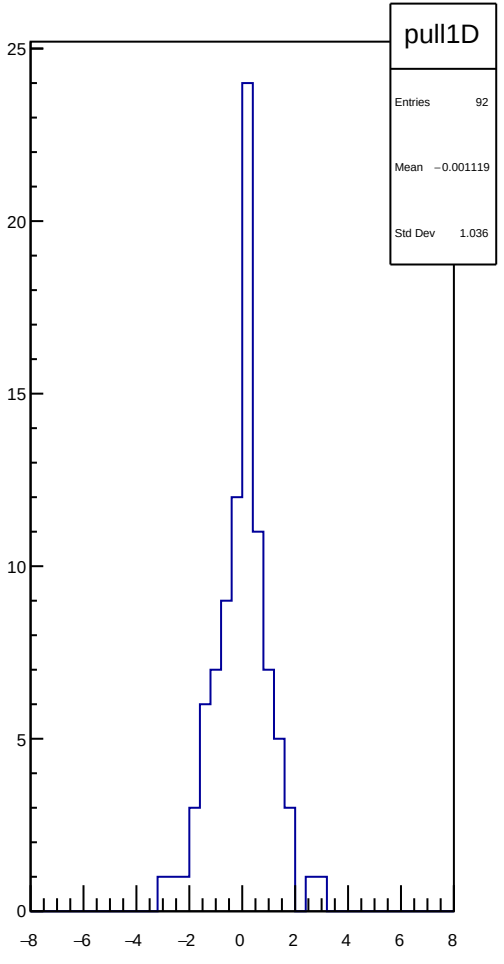

pull1D
Entries 92
Mean −0.001119
Std Dev 1.036

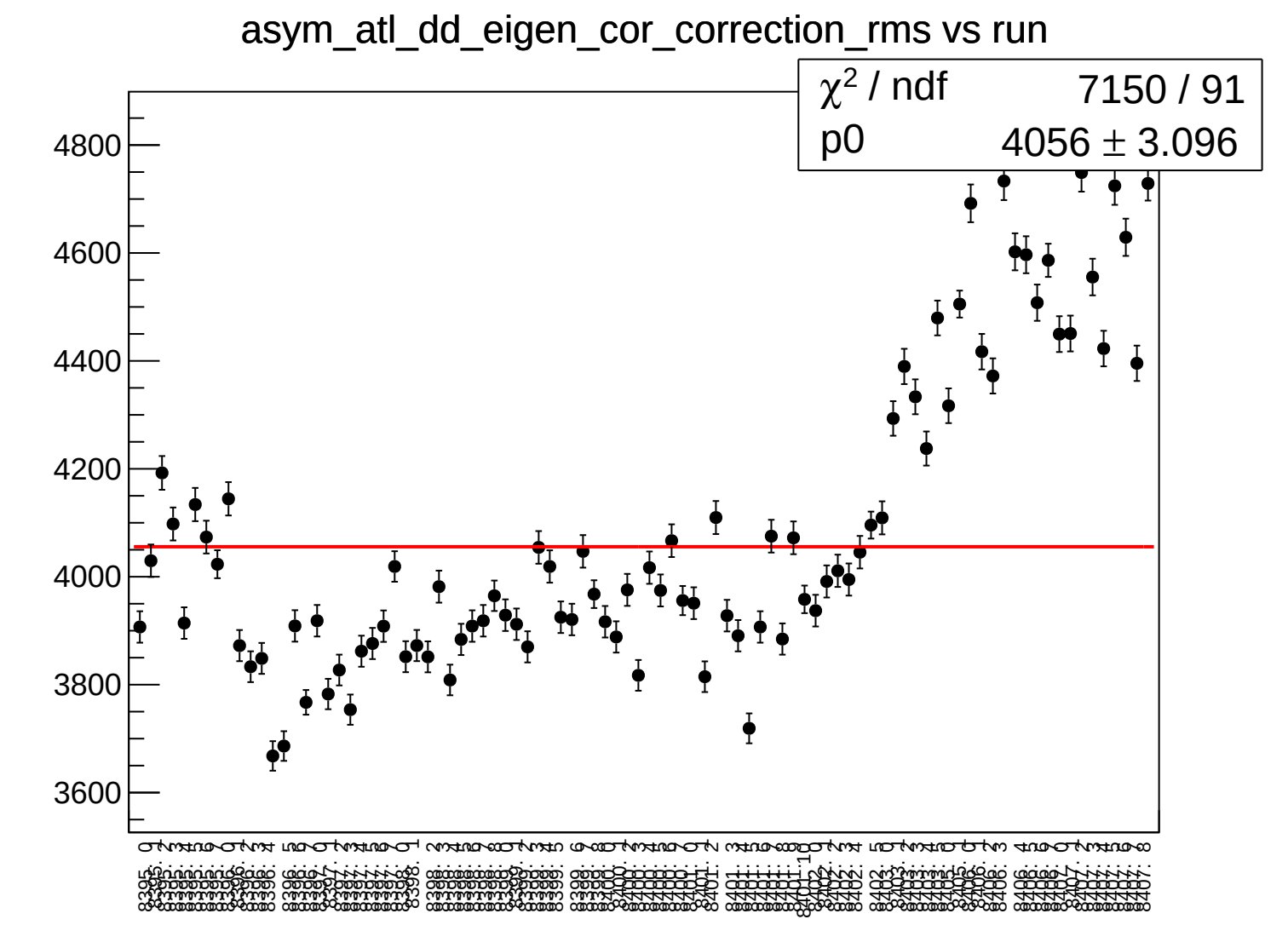

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 7150 / 91
p0 4056 ± 3.096
4800
4600
4400
4200
4000
3800
3600

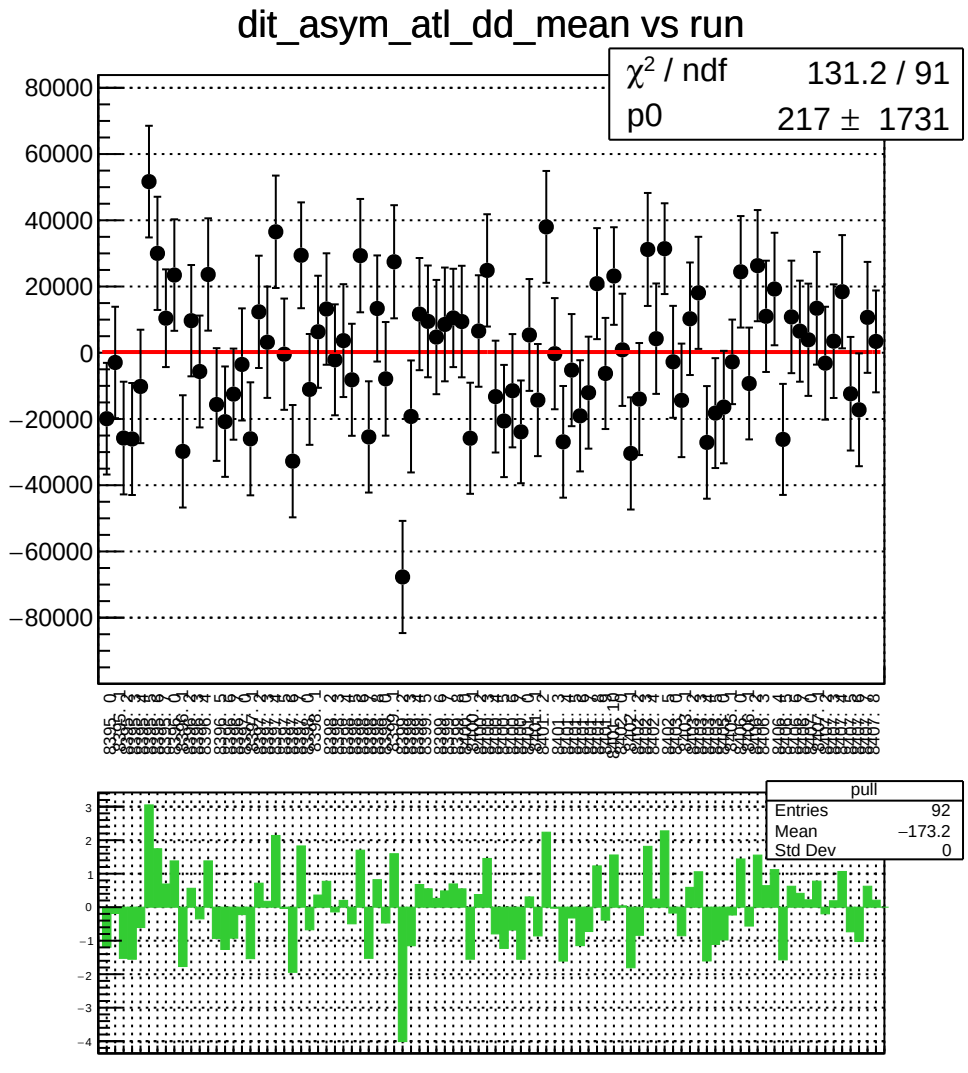

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 130 / 91
p0 18.75 ± 1727
pull
Entries 92
Mean −210.1
Std Dev 0
pull1D
Entries 92
Mean −0.007206
Std Dev 1.189

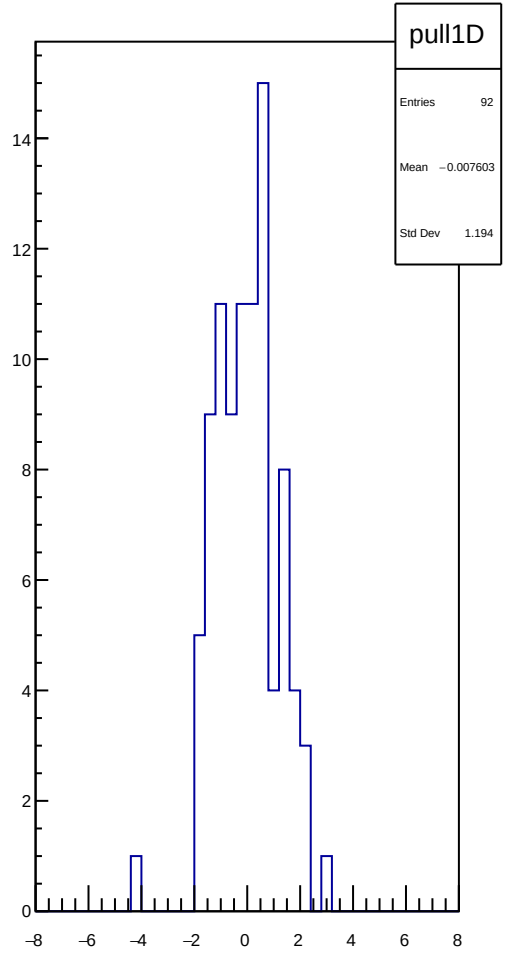

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 95.98 / 91
p0 1604 ± 1.221
1650
1640
1630
1620
1610
1600
1590
1580
1570
1560

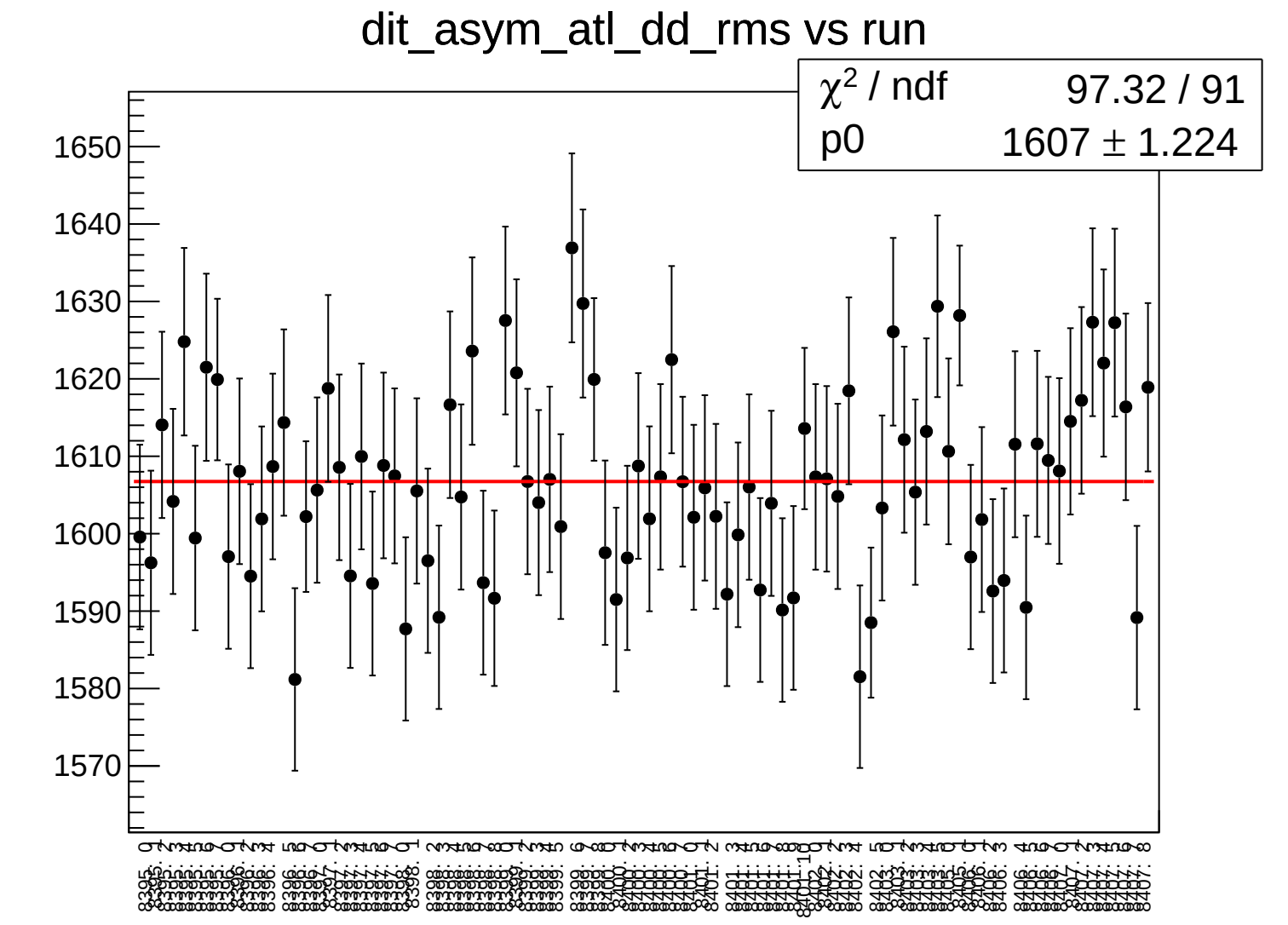

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 98.71 / 91
p0 4795 ± 4378
pull
Entries 92
Mean 499.9
Std Dev 0

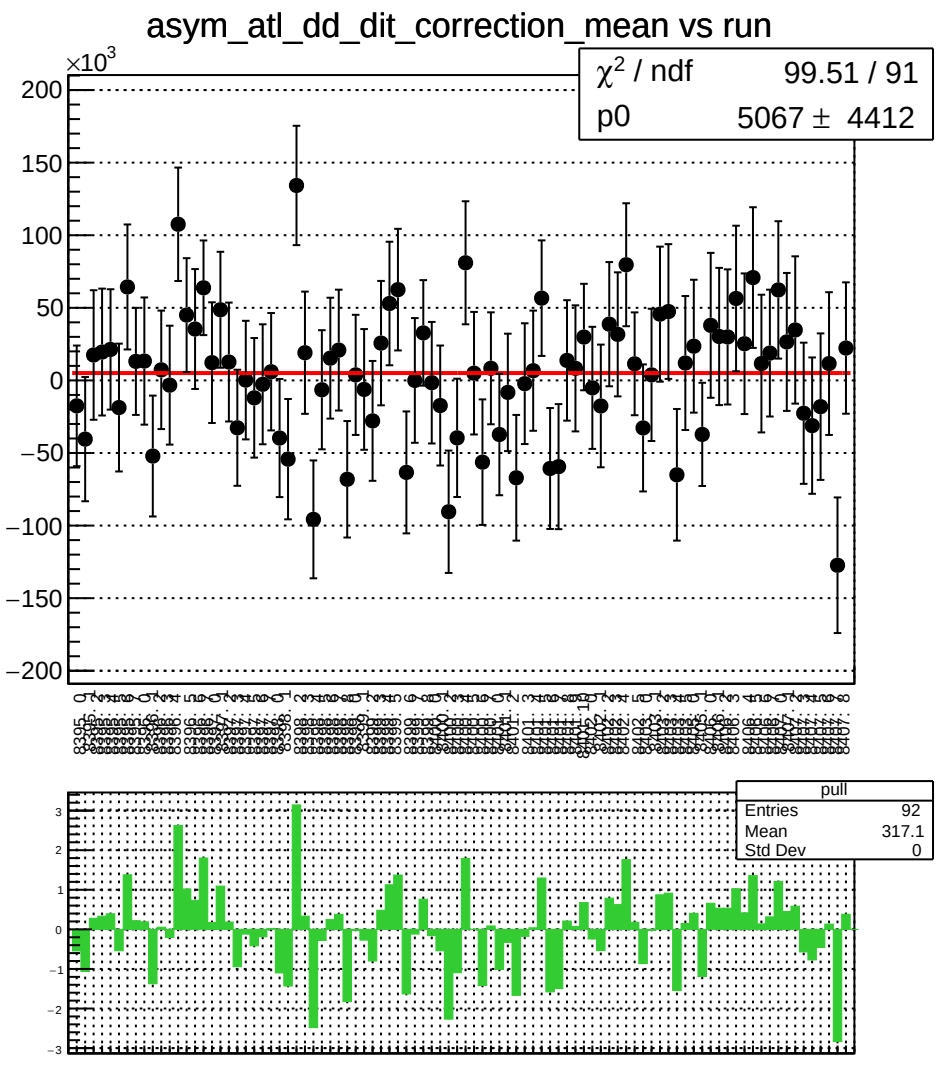

pull1D
Entries 92
Mean −0.001119
Std Dev 1.036

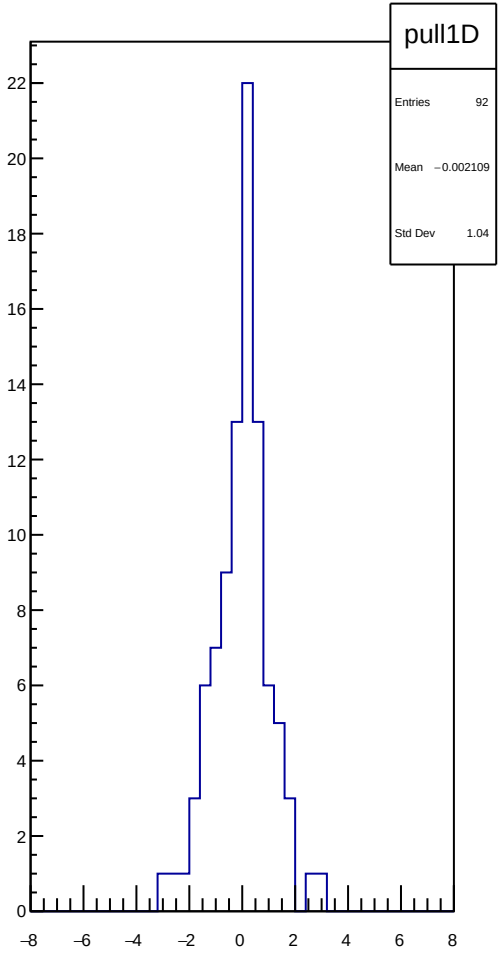

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 7150 / 91
p0 4056 ± 3.096
4800
4600
4400
4200
4000
3800
3600

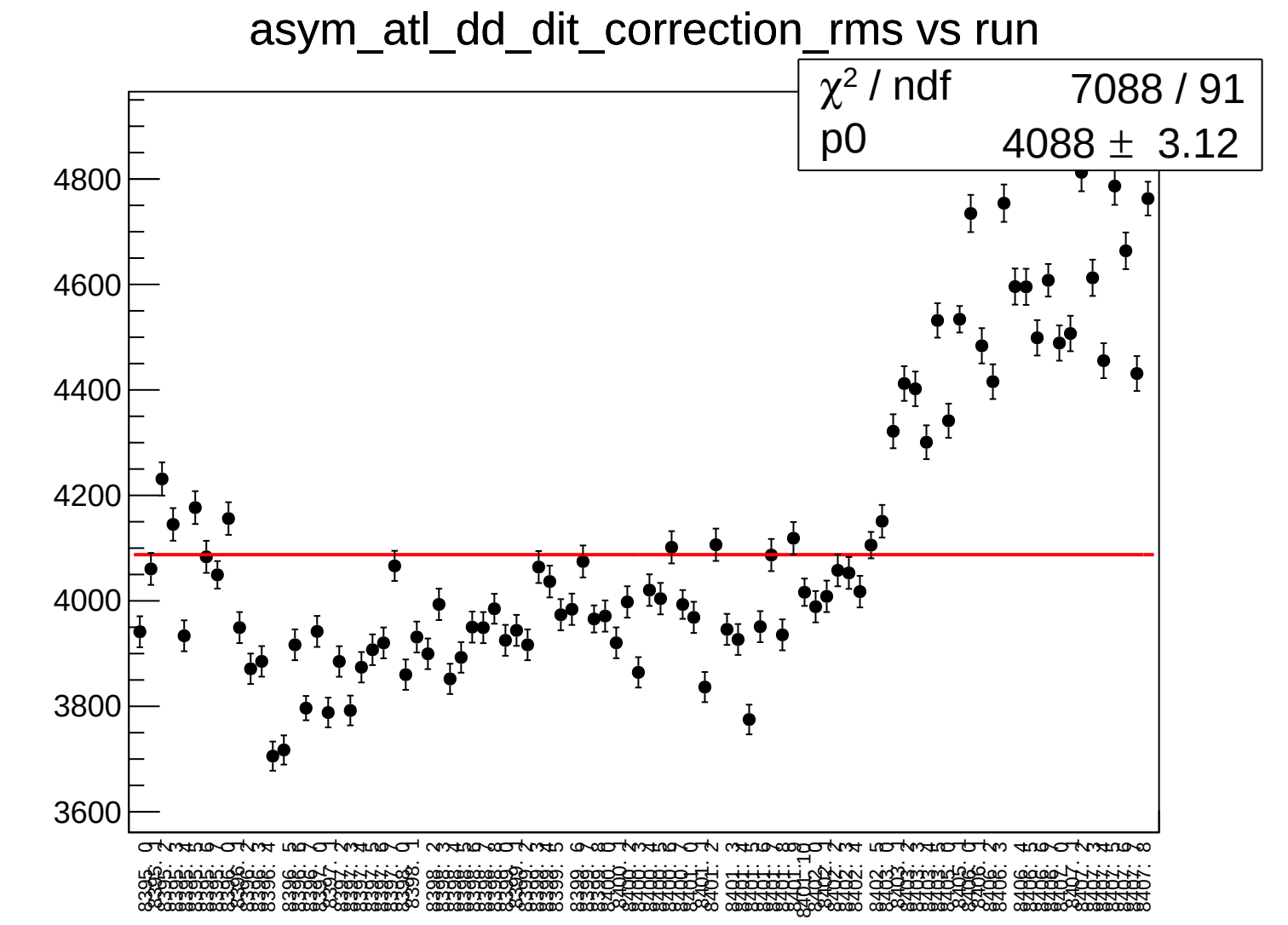

dit_asym_atl_dd_mean vs run
χ² / ndf 131.2 / 91
p0 217 ± 1731
pull
Entries 92
Mean −173.2
Std Dev 0

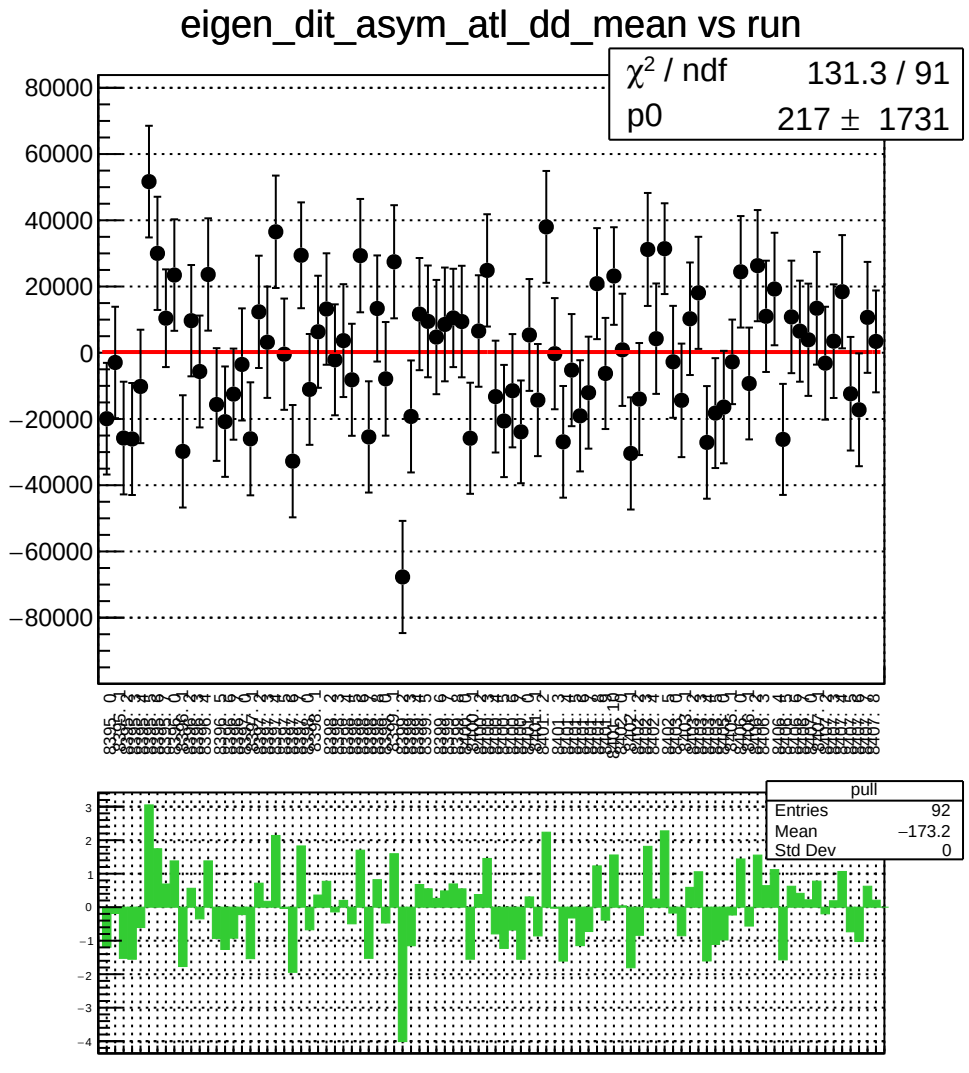

pull1D
Entries 92
Mean −0.007603
Std Dev 1.194

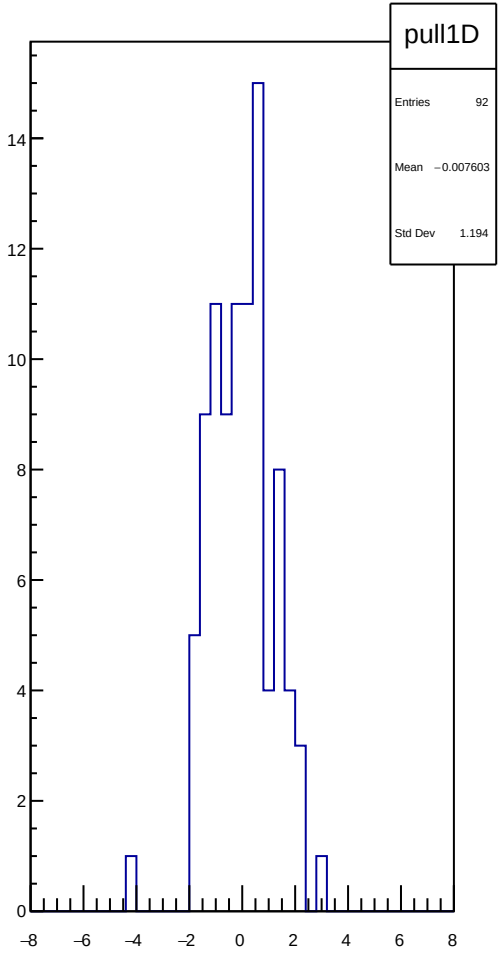

dit_asym_atl_dd_rms vs run
$\chi^2$ / ndf 97.32 / 91
p0 1607 ± 1.224
1650
1640
1630
1620
1610
1600
1590
1580
1570

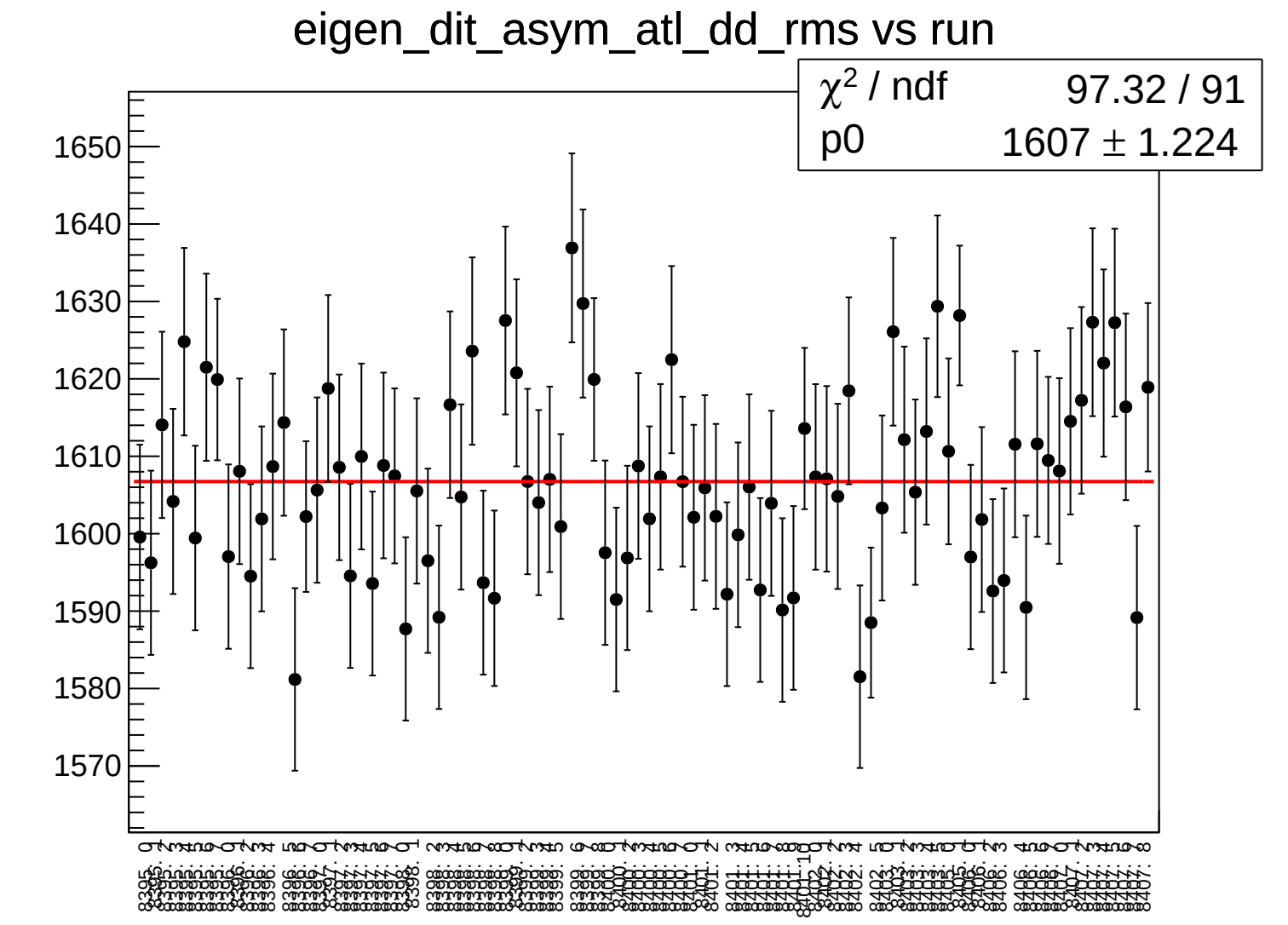

asym_atl_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 99.51 / 91
p0 5067 ± 4412
pull
Entries 92
Mean 317.1
Std Dev 0

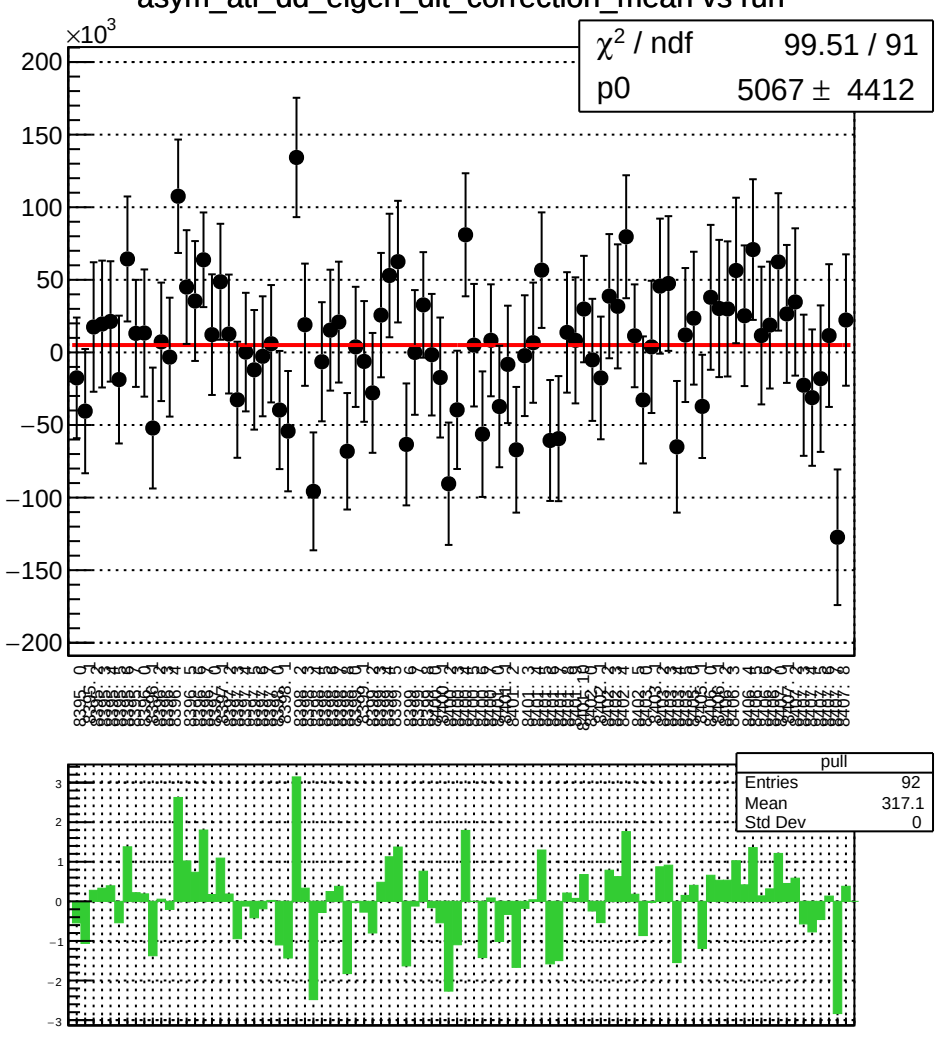

pull1D
Entries 92
Mean −0.002109
Std Dev 1.04

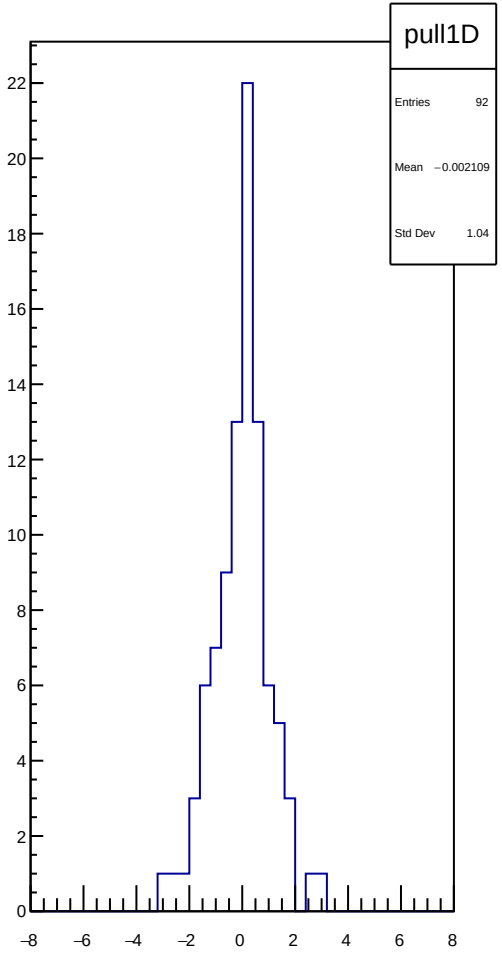

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 7088 / 91
p0 4088 ± 3.12
4800
4600
4400
4200
4000
3800
3600

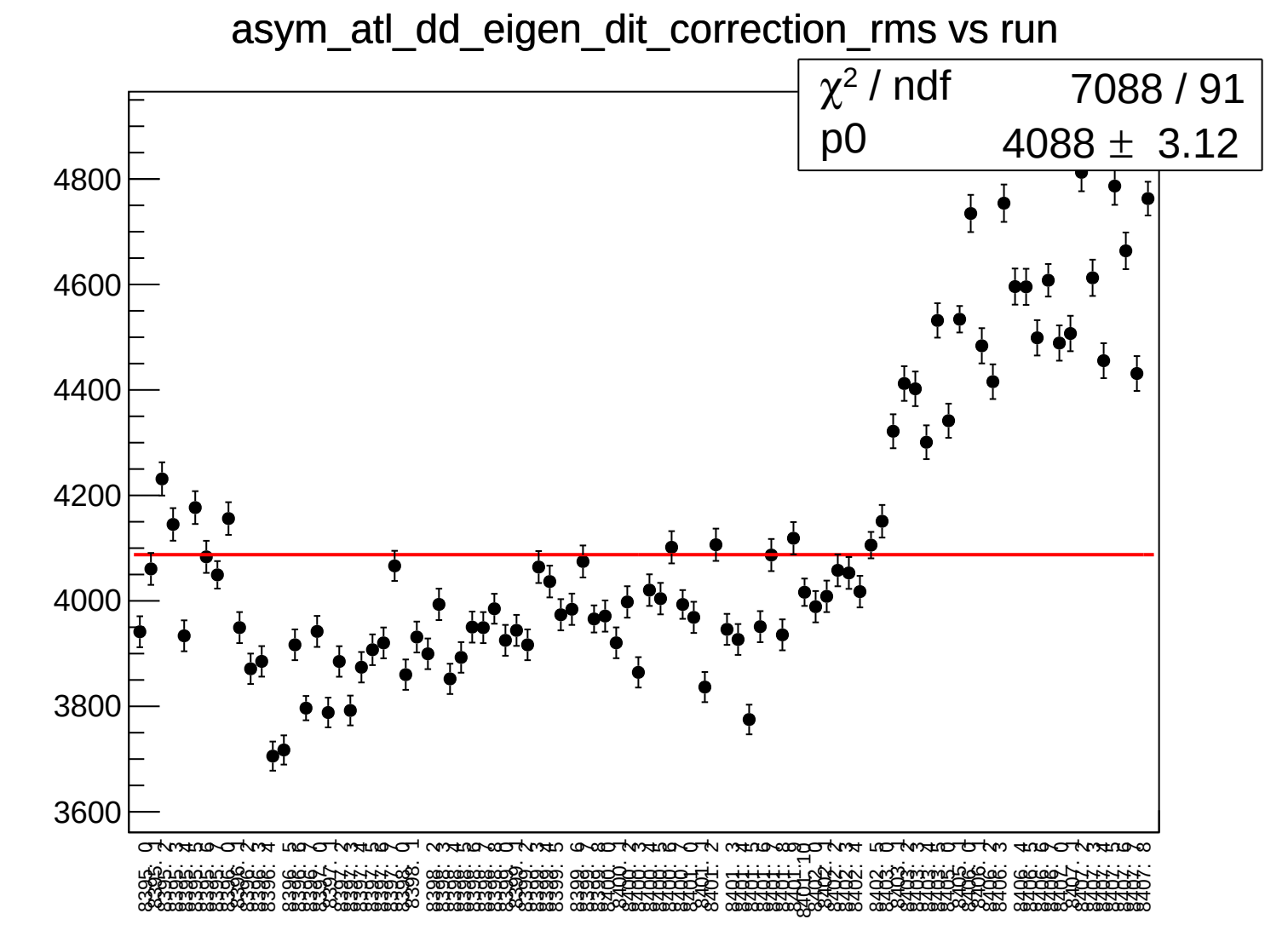

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 131.3 / 91
p0 217 ± 1731
pull
Entries 92
Mean −173.2
Std Dev 0

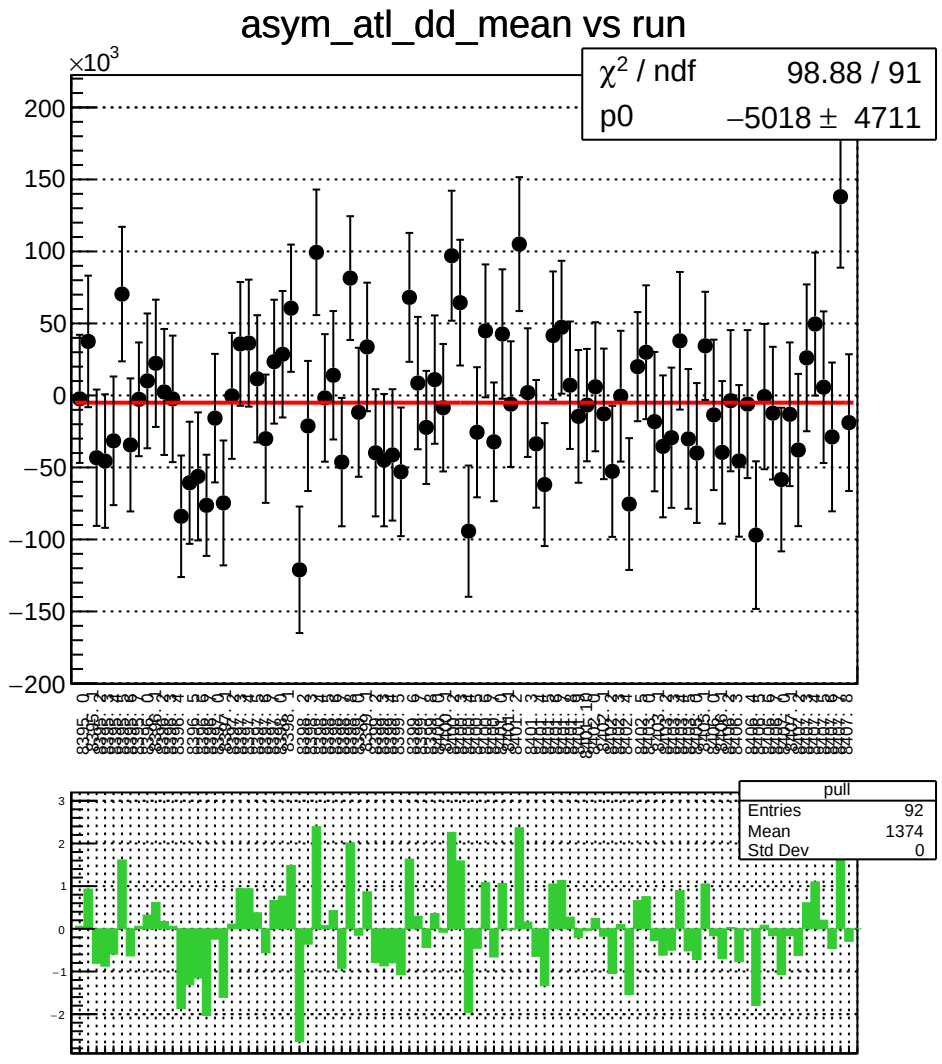

pull1D
Entries 92
Mean −0.007603
Std Dev 1.194

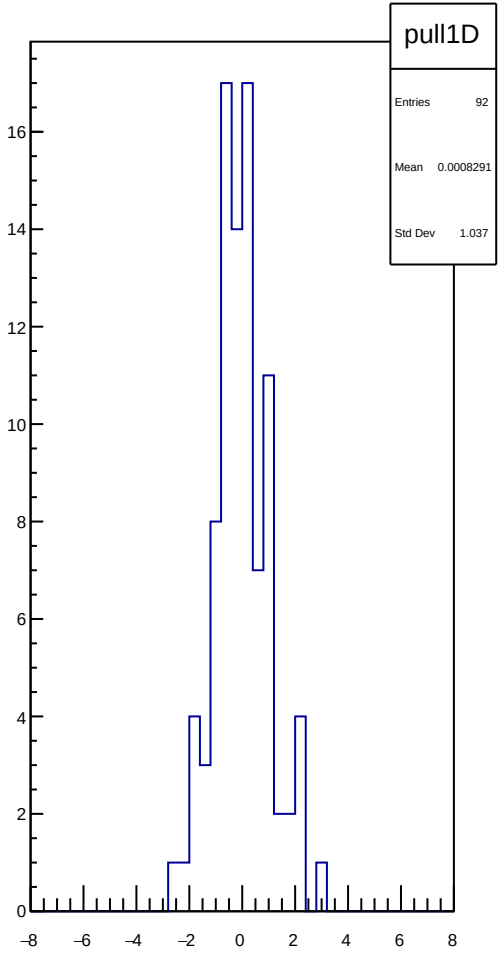

eigen_dit_asym_atl_dd_rms vs run
$\chi^2$ / ndf 97.32 / 91
p0 1607 ± 1.224
1650
1640
1630
1620
1610
1600
1590
1580
1570

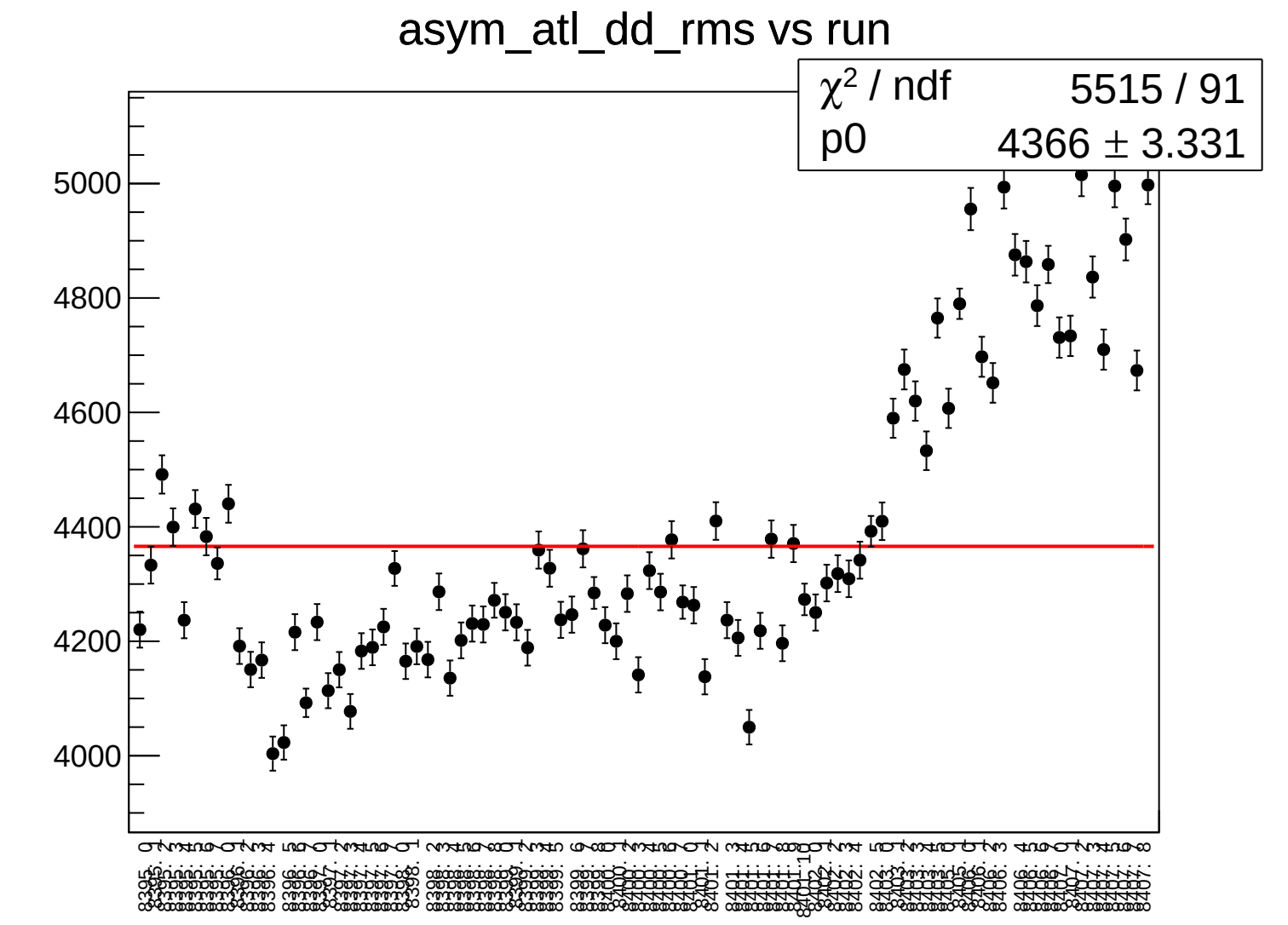

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 99.51 / 91
p0 5067 ± 4412
pull
Entries 92
Mean 317.1
Std Dev 0

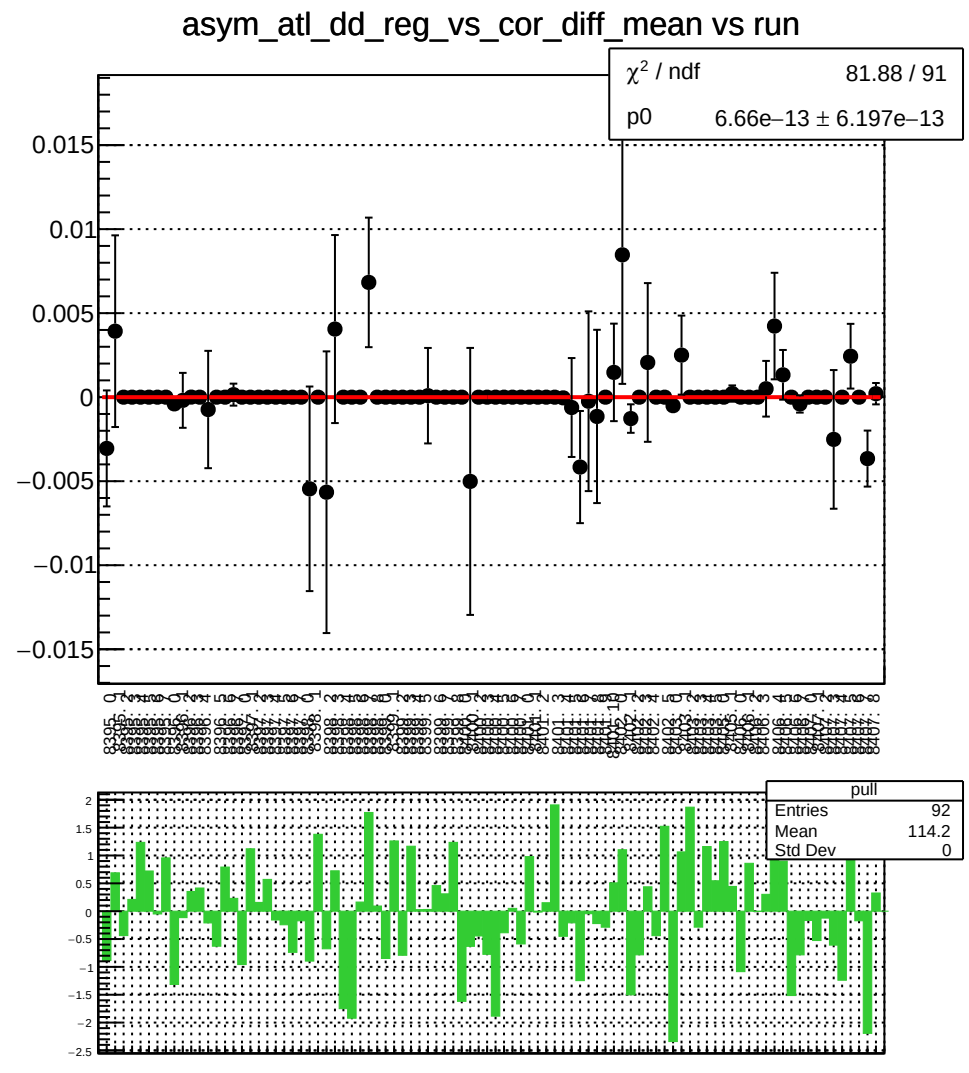

pull1D
Entries 92
Mean −0.002109
Std Dev 1.04

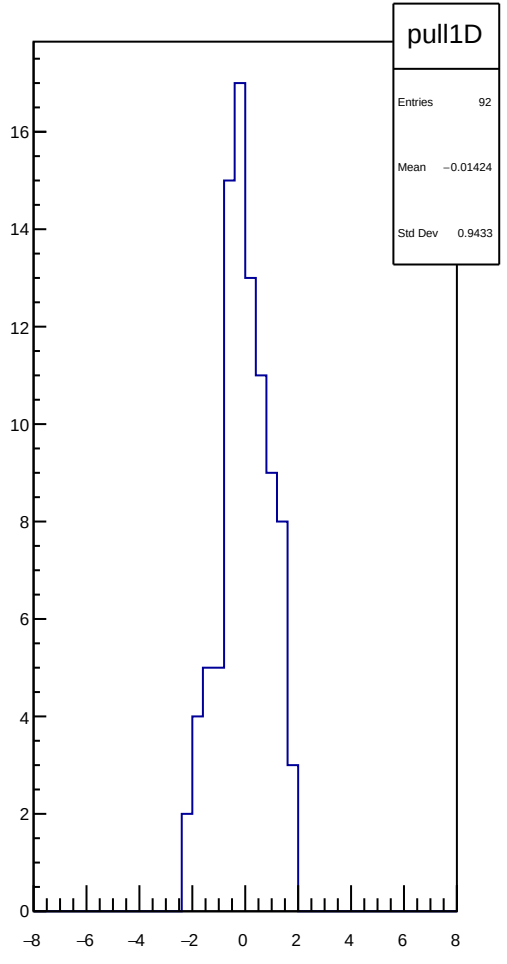

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 7088 / 91
p0 4088 ± 3.12
4800
4600
4400
4200
4000
3800
3600

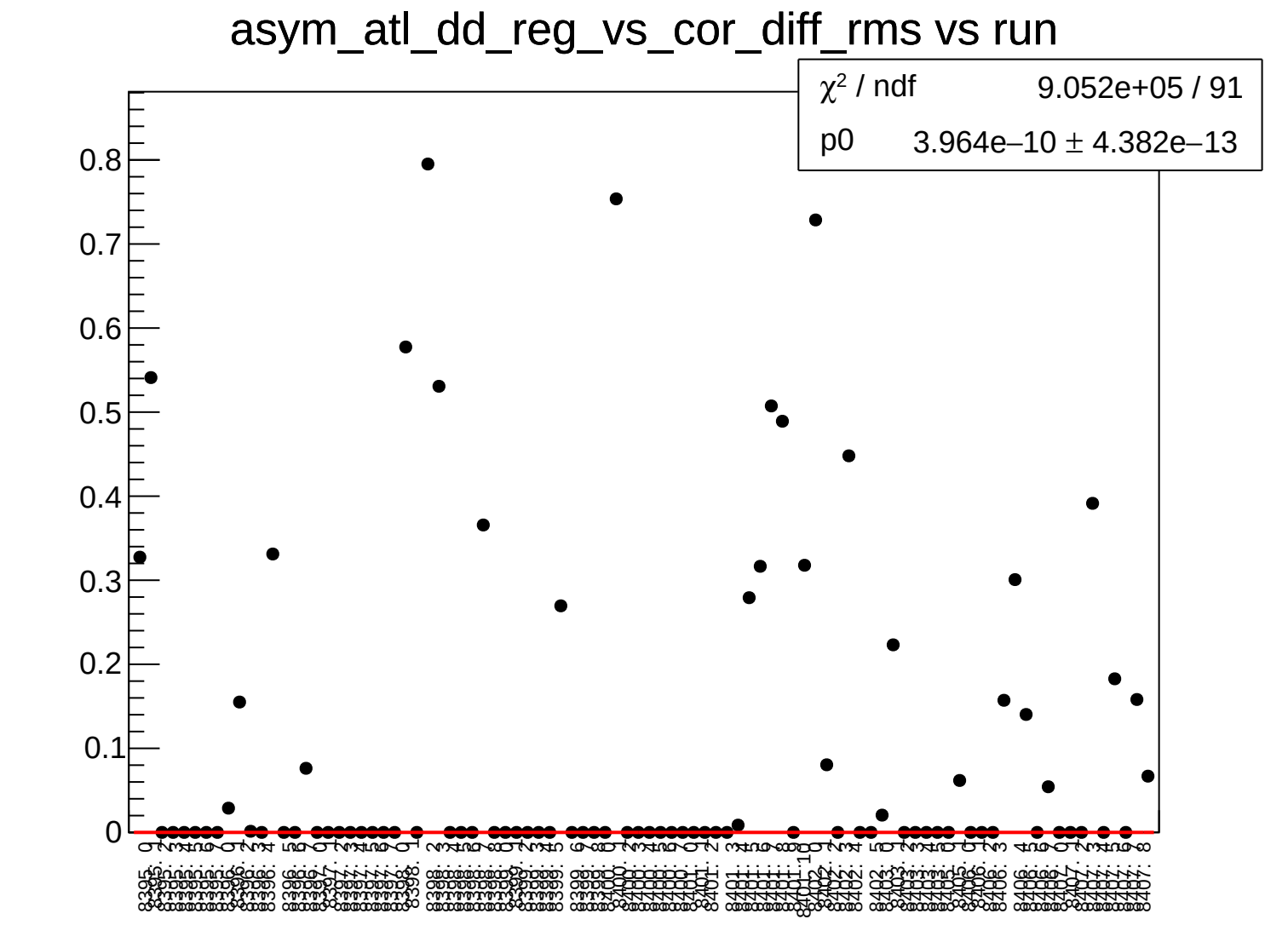

asym_atl_dd_mean vs run
×10^3
χ² / ndf 98.88 / 91
p0 −5018 ± 4711
pull
Entries 92
Mean 1374
Std Dev 0

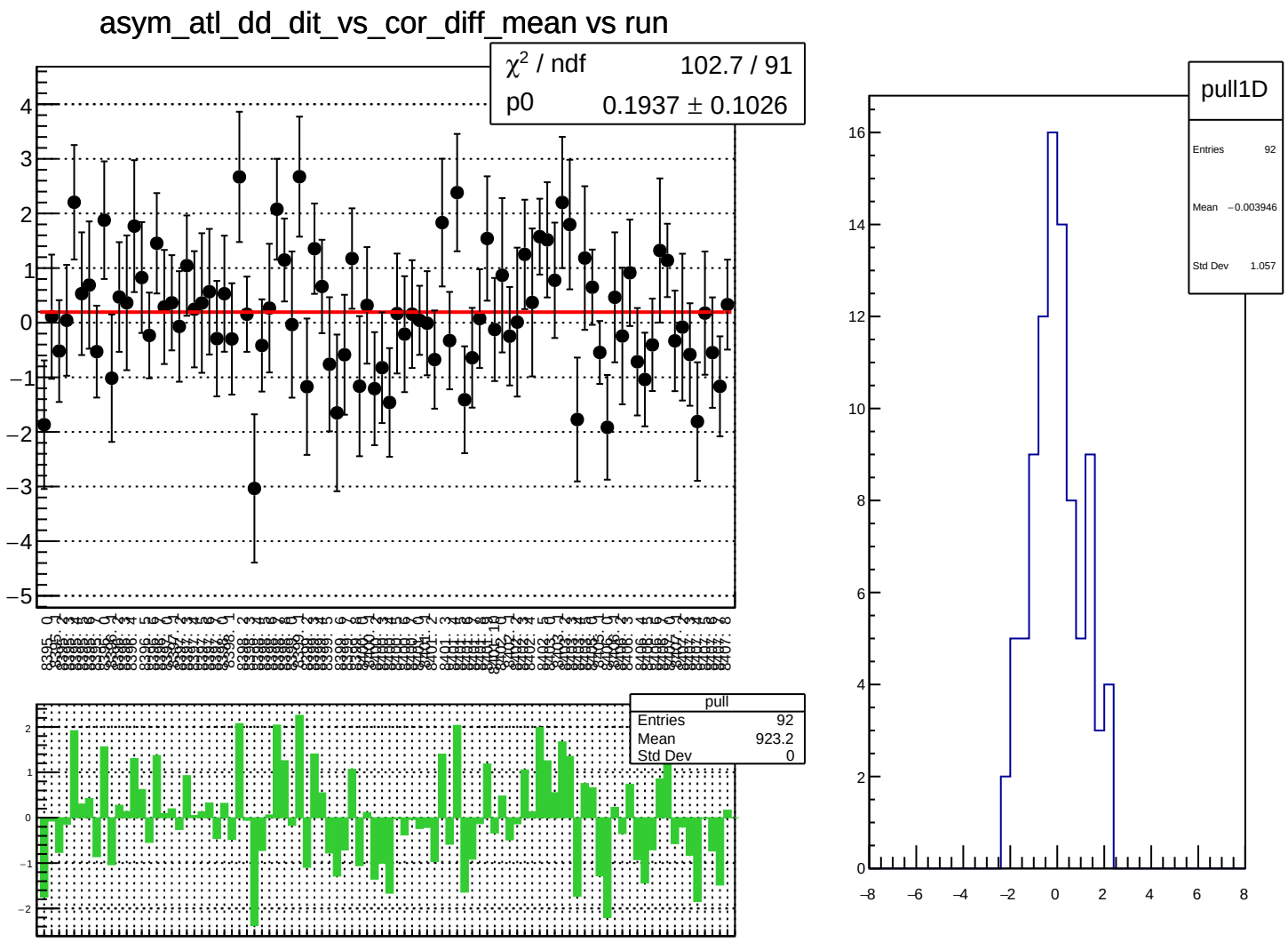

pull1D
Entries 92
Mean 0.0008291
Std Dev 1.037

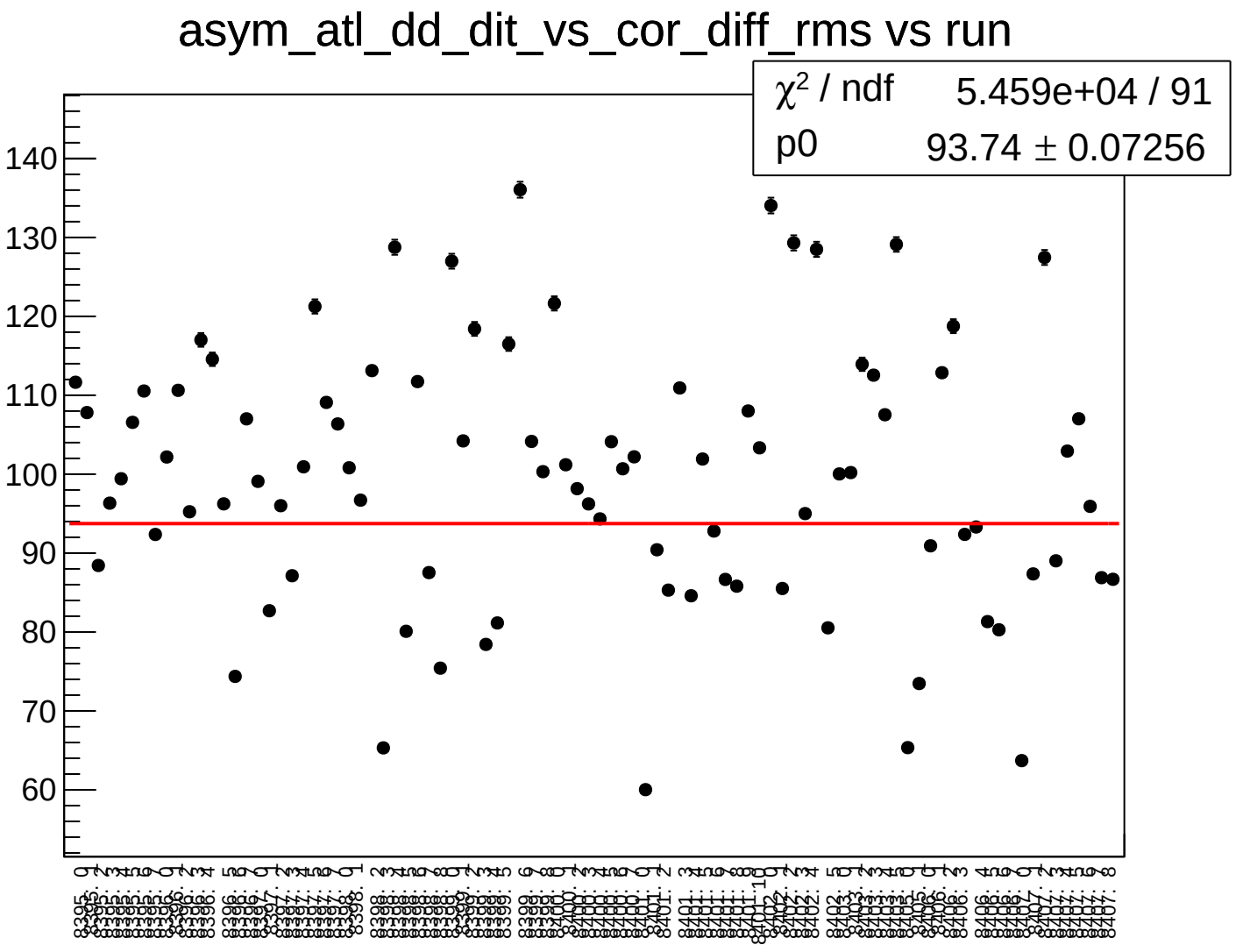

asym_atl_dd_rms vs run
χ² / ndf 5515 / 91
p0 4366 ± 3.331
5000
4800
4600
4400
4200
4000

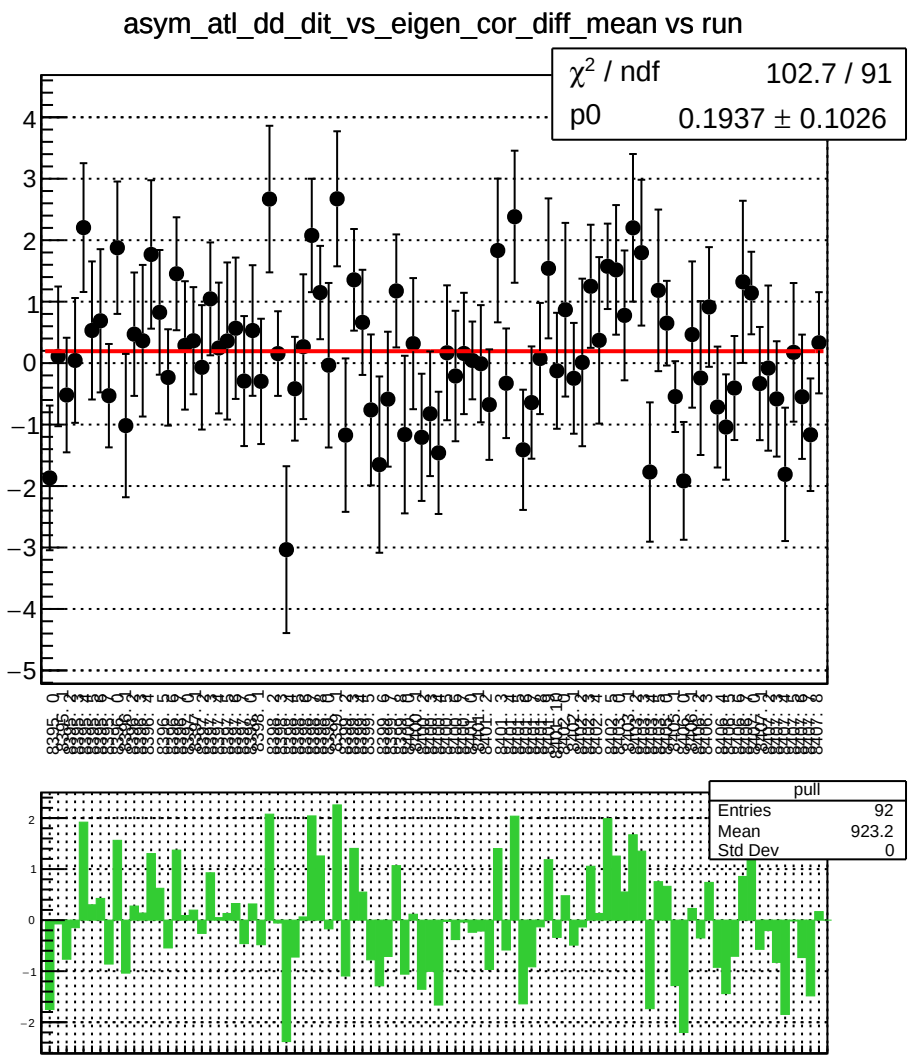

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.88 / 91
p0 6.66e−13 ± 6.197e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 92
Mean 114.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

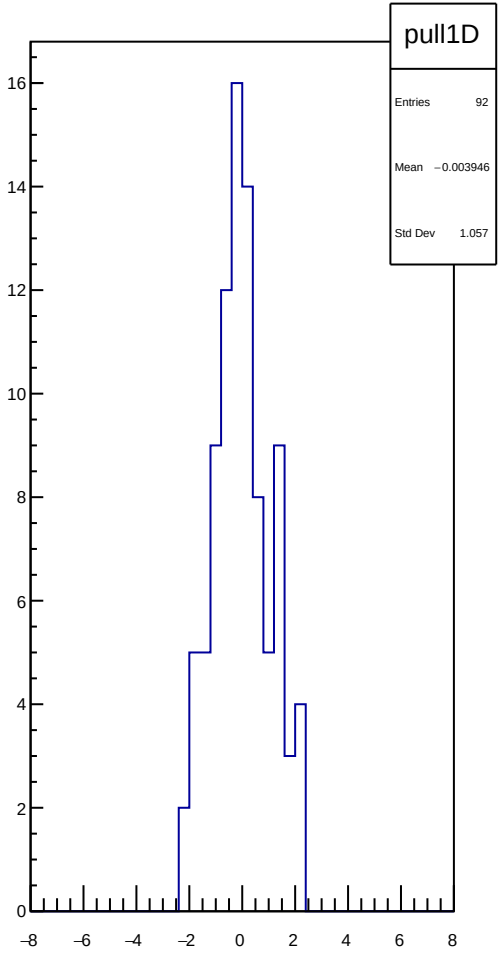

pull1D
Entries 92
Mean −0.01424
Std Dev 0.9433
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

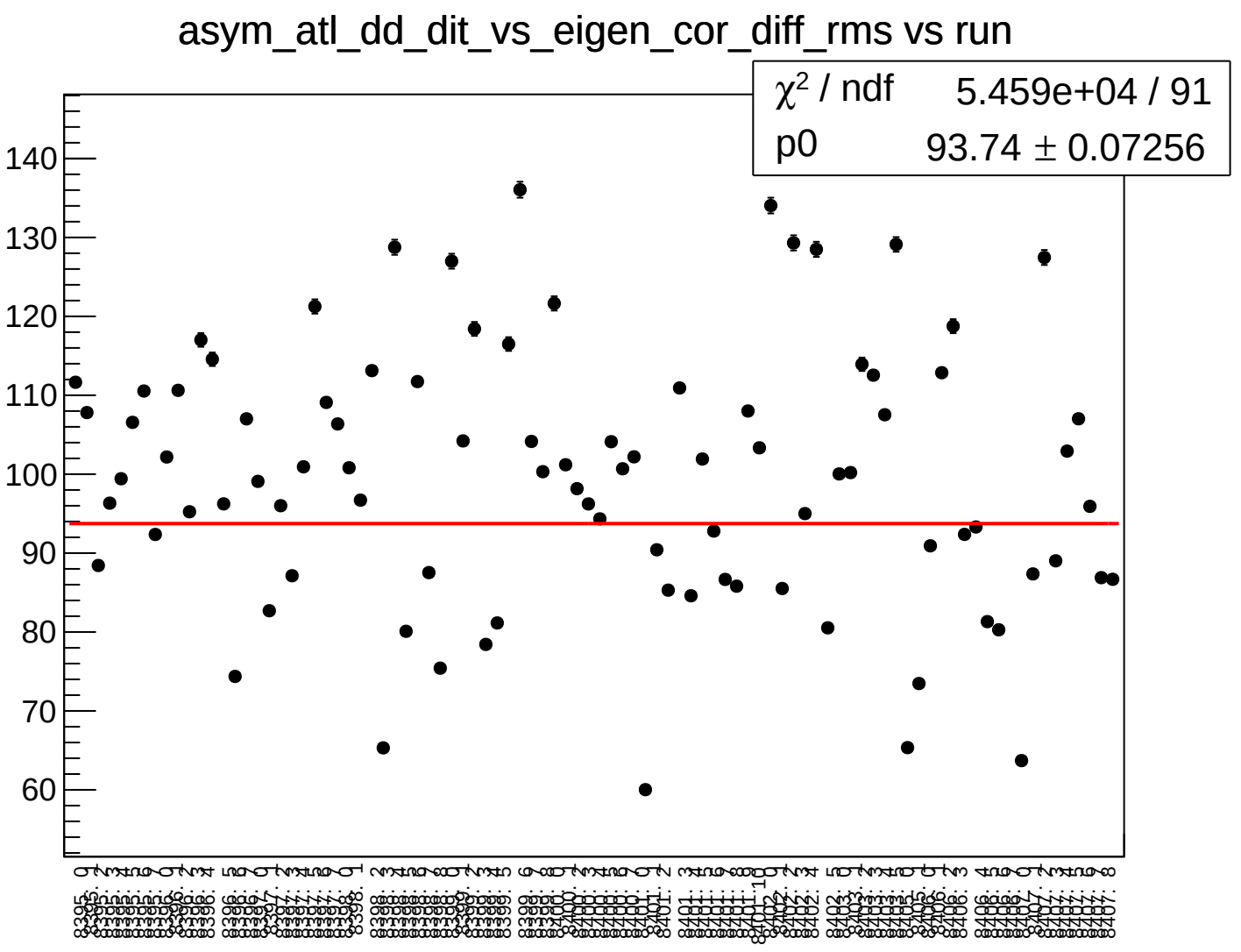

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.052e+05 / 91
p0 3.964e−10 ± 4.382e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

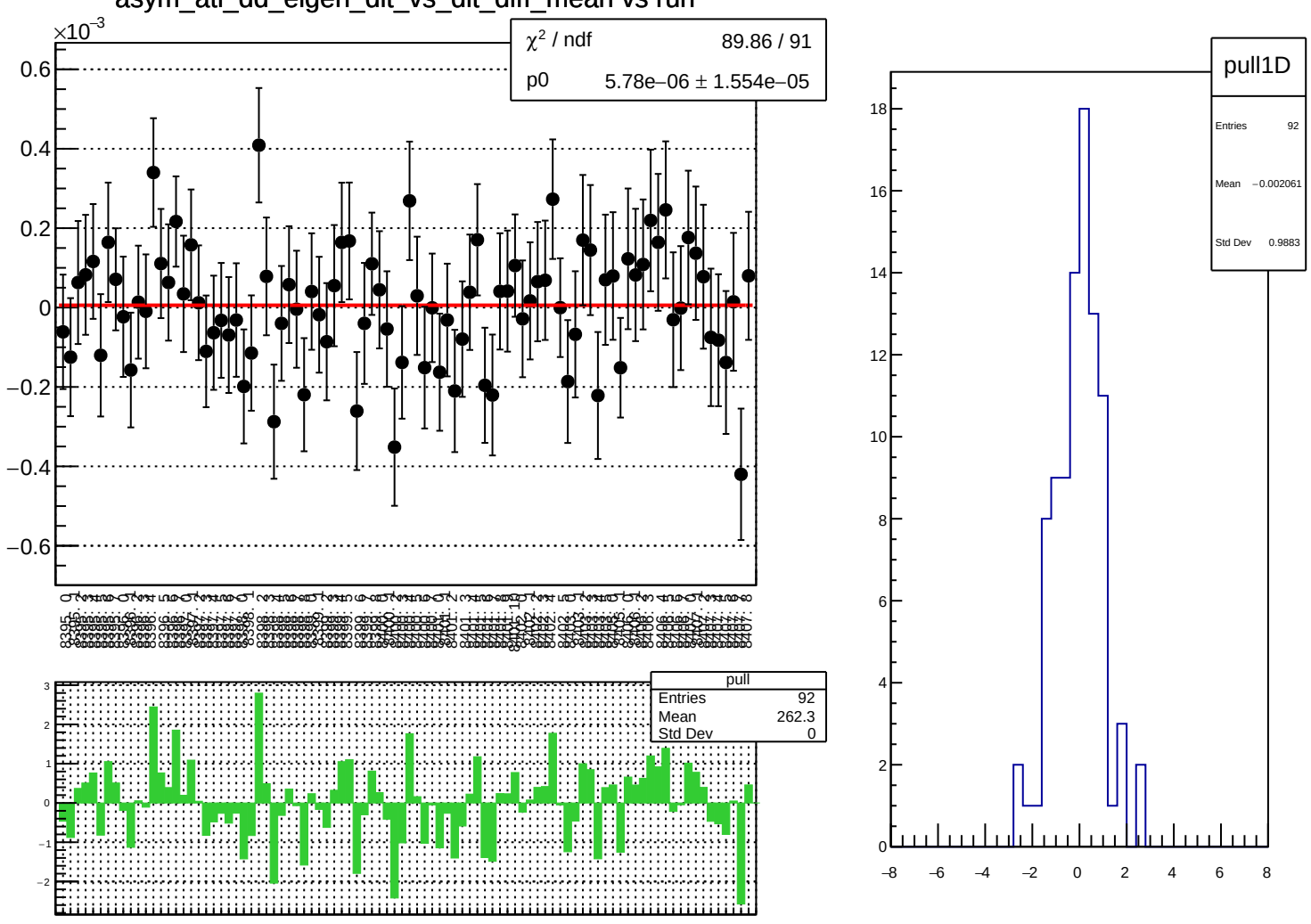

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.7 / 91
p0 0.1937 ± 0.1026
pull
Entries 92
Mean 923.2
Std Dev 0
pull1D
Entries 92
Mean −0.003946
Std Dev 1.057

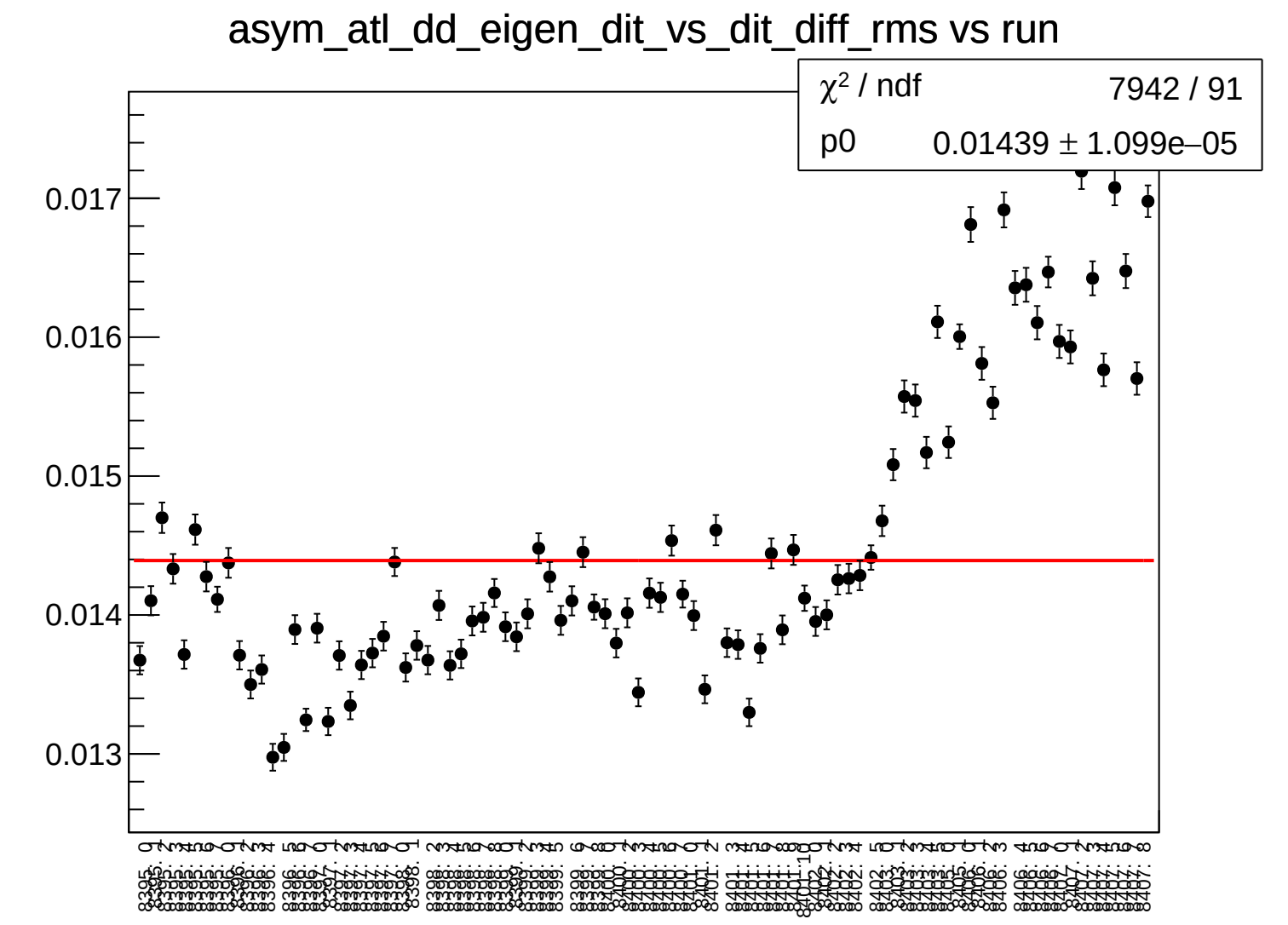

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.459e+04 / 91
p0 93.74 ± 0.07256
140
130
120
110
100
90
80
70
60

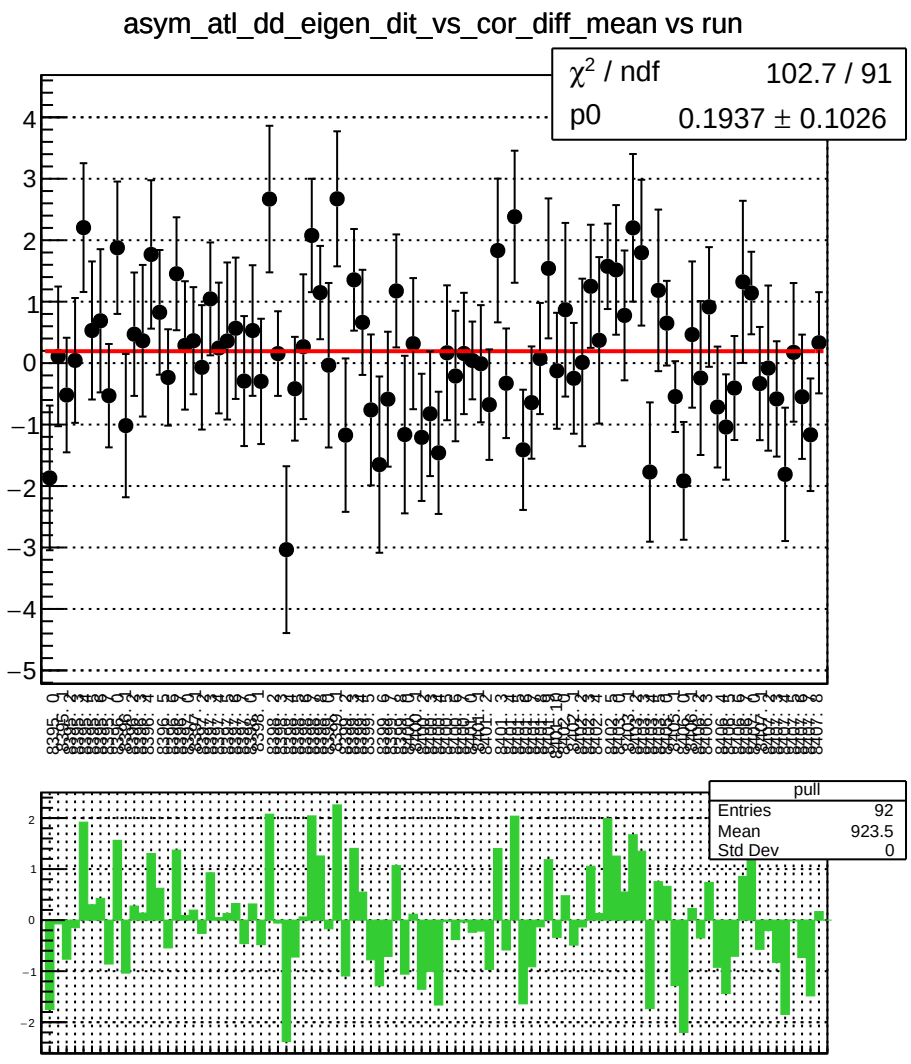

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.7 / 91
p0 0.1937 ± 0.1026
pull
Entries 92
Mean 923.2
Std Dev 0

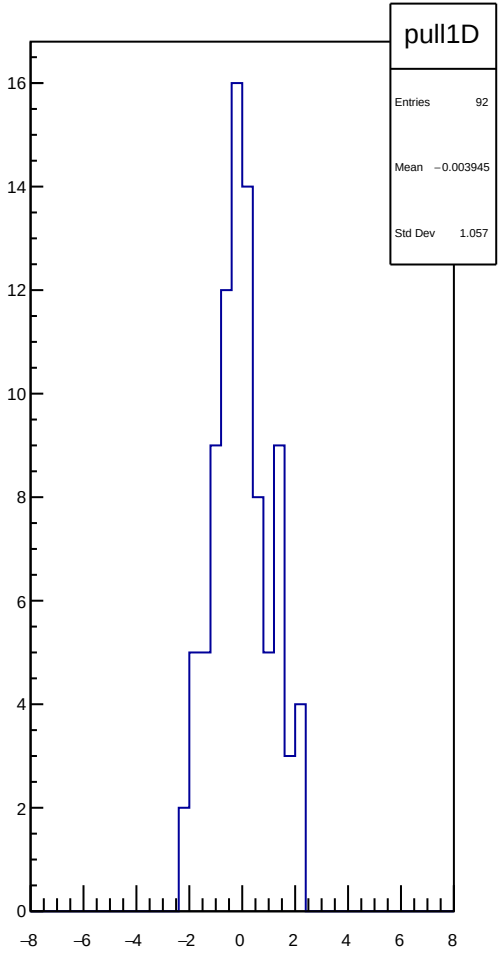

pull1D
Entries 92
Mean −0.003946
Std Dev 1.057

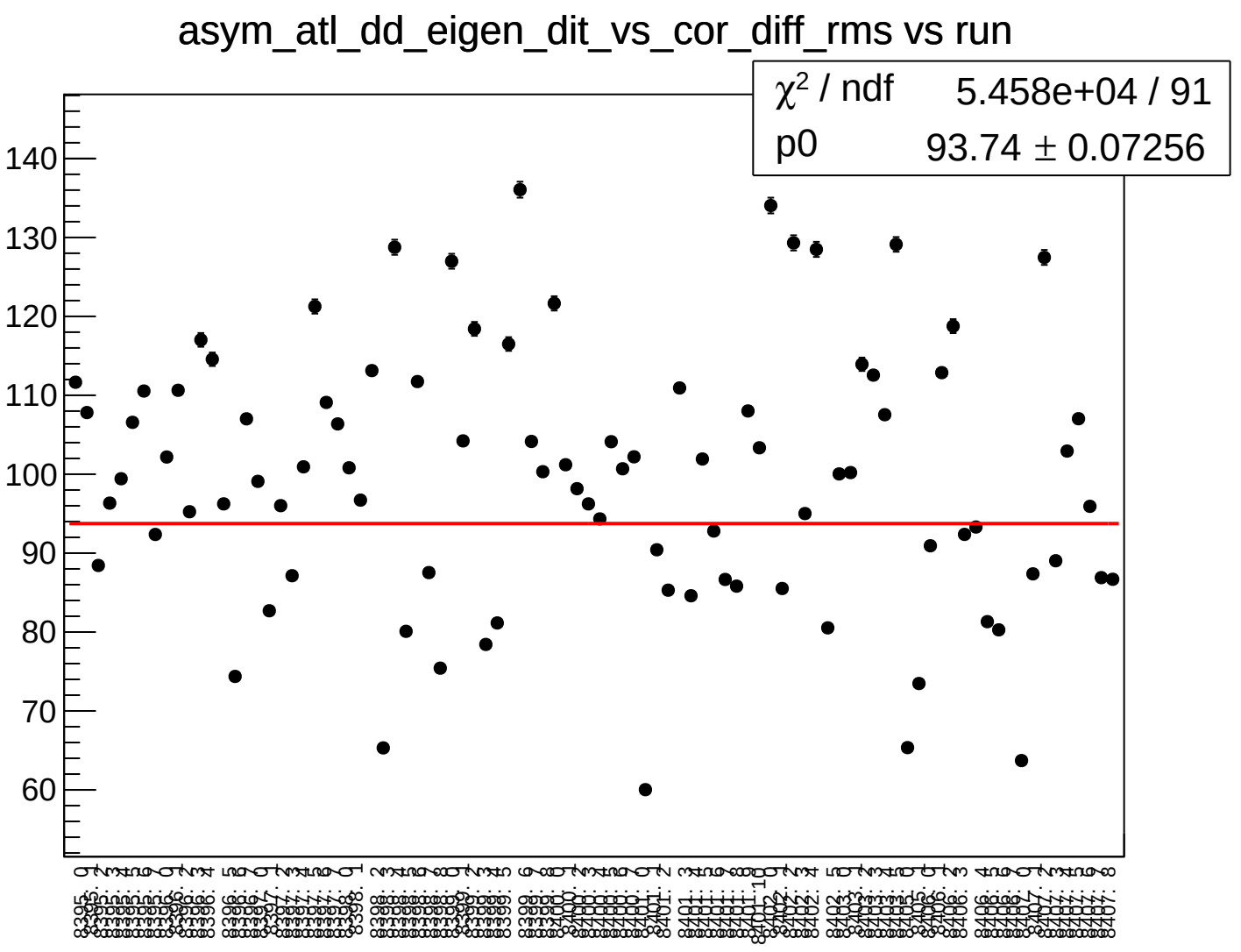

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.459e+04 / 91
p0 93.74 ± 0.07256
140
130
120
110
100
90
80
70
60

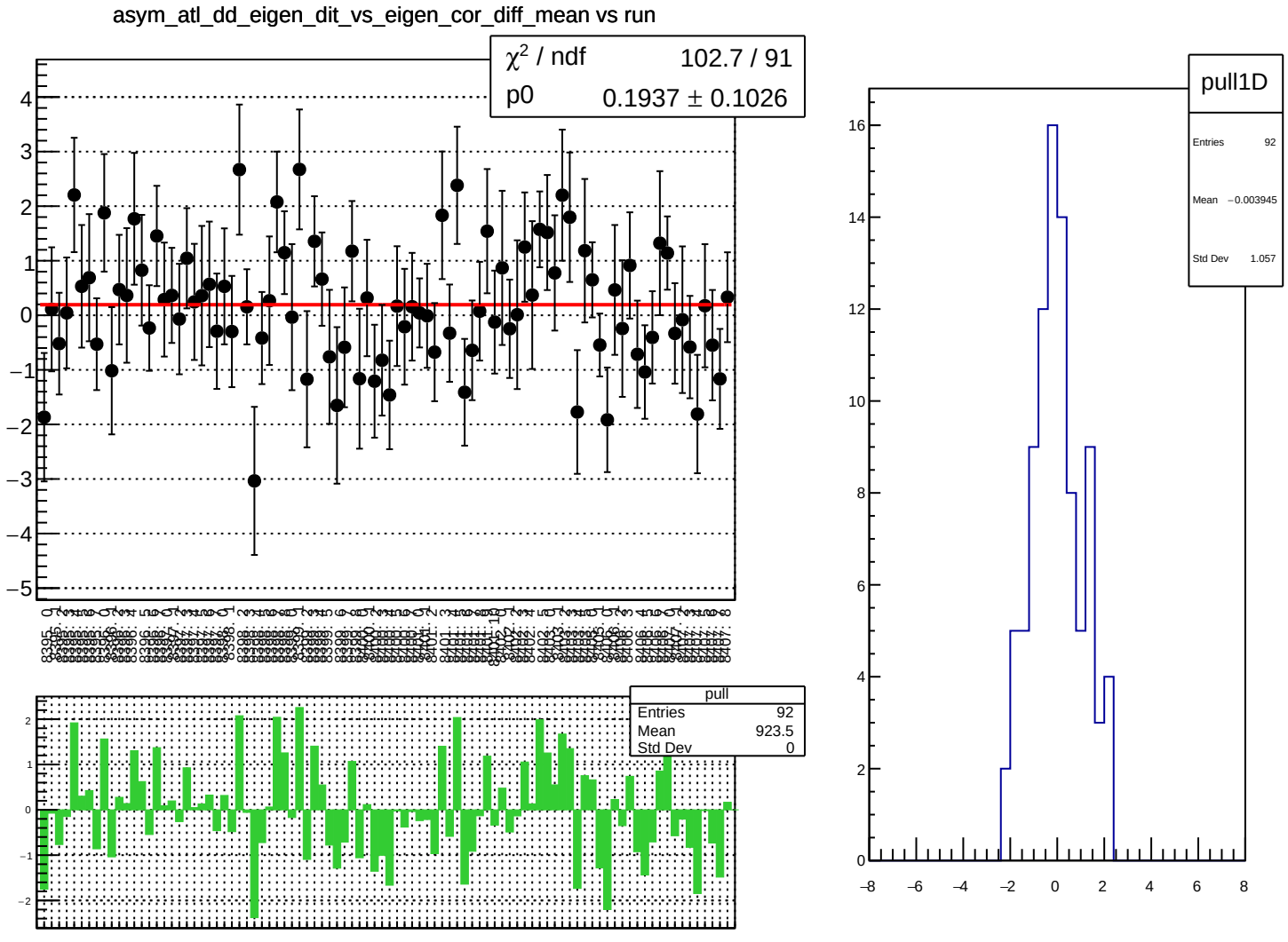

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.86 / 91
p0 5.78e−06 ± 1.554e−05
pull
Entries 92
Mean 262.3
Std Dev 0
pull1D
Entries 92
Mean −0.002061
Std Dev 0.9883

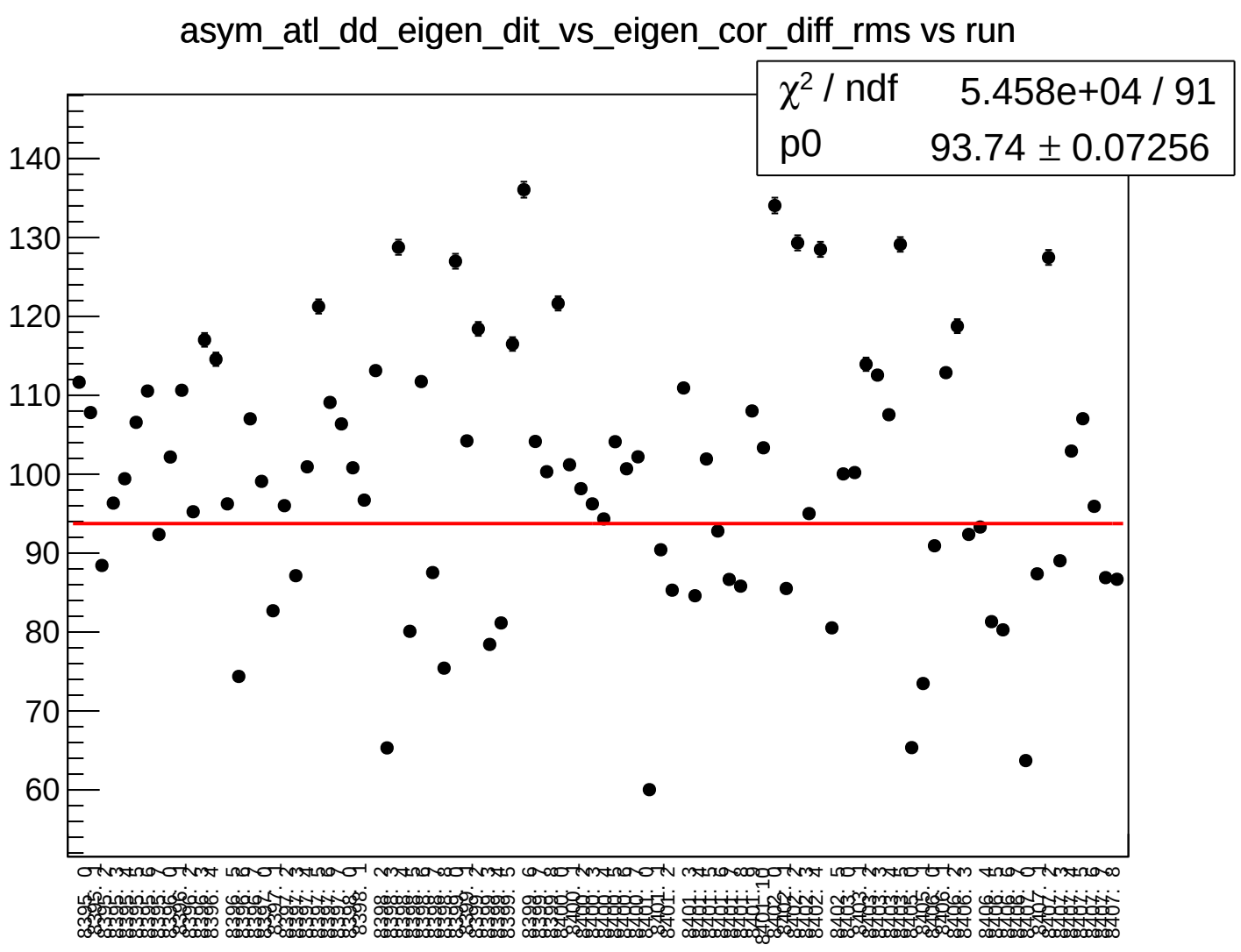

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7942 / 91
p0 0.01439 ± 1.099e−05
0.017
0.016
0.015
0.014
0.013

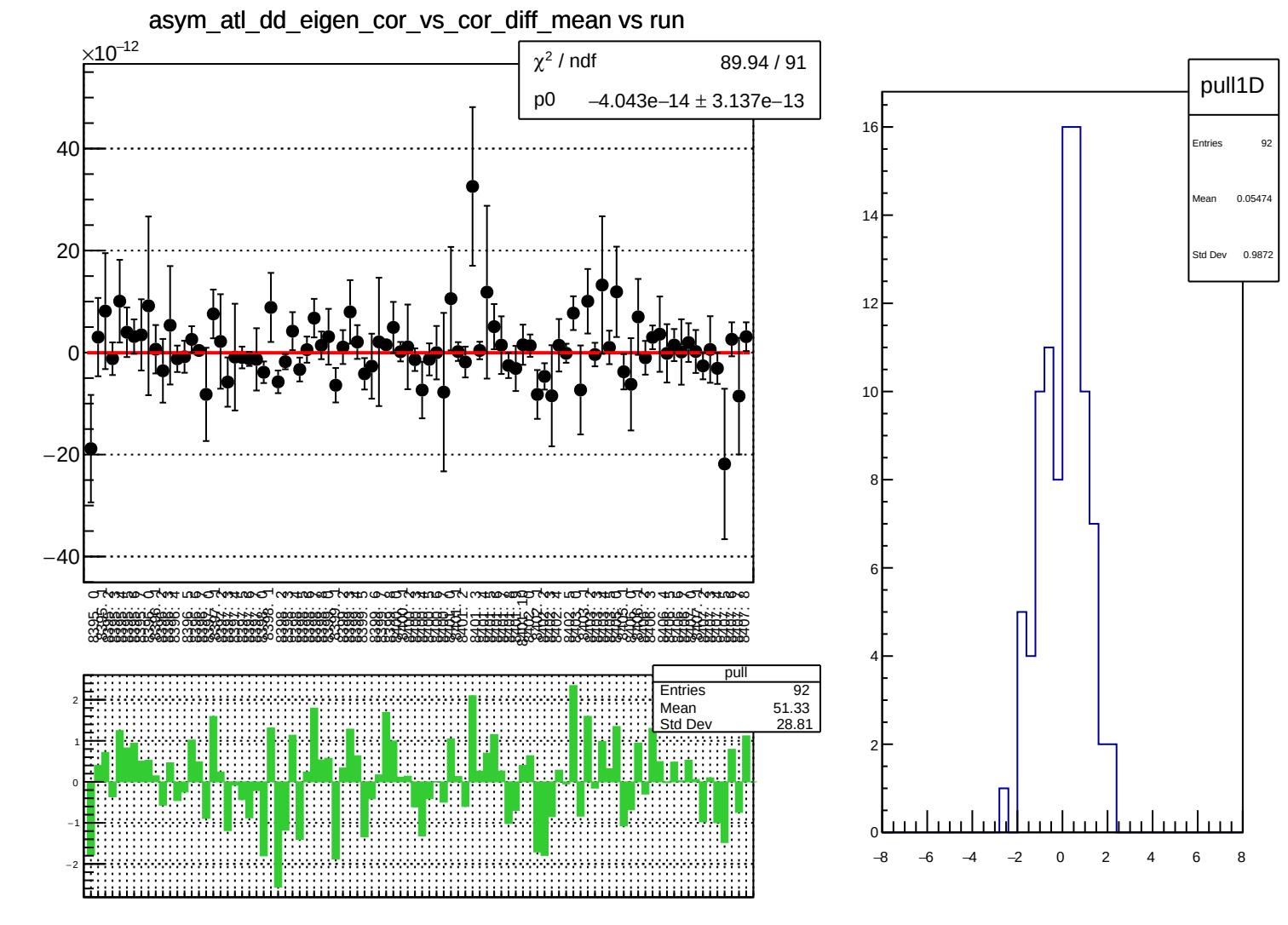

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.7 / 91
p0 0.1937 ± 0.1026
pull
Entries 92
Mean 923.5
Std Dev 0

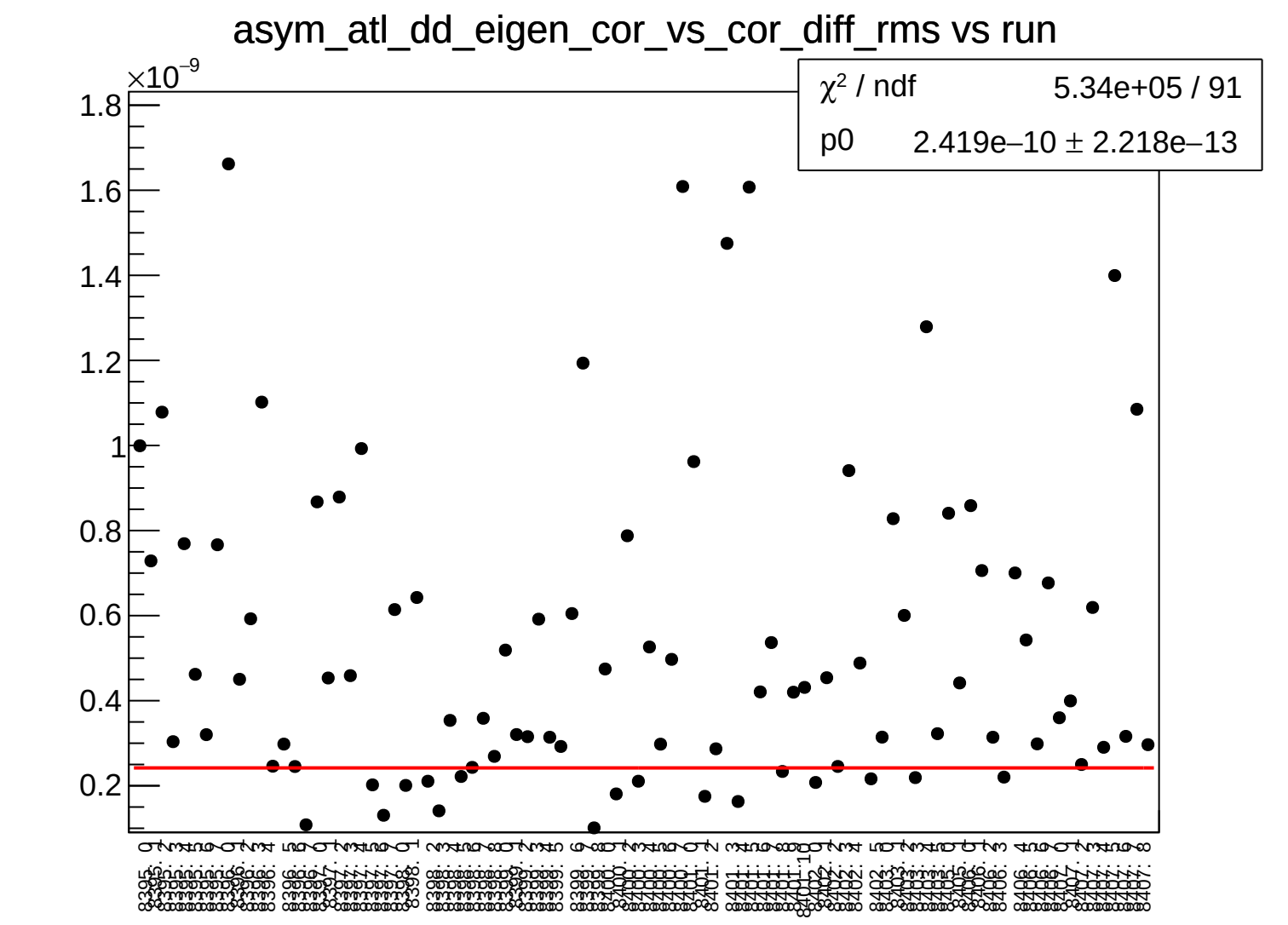

pull1D
Entries 92
Mean −0.003945
Std Dev 1.057

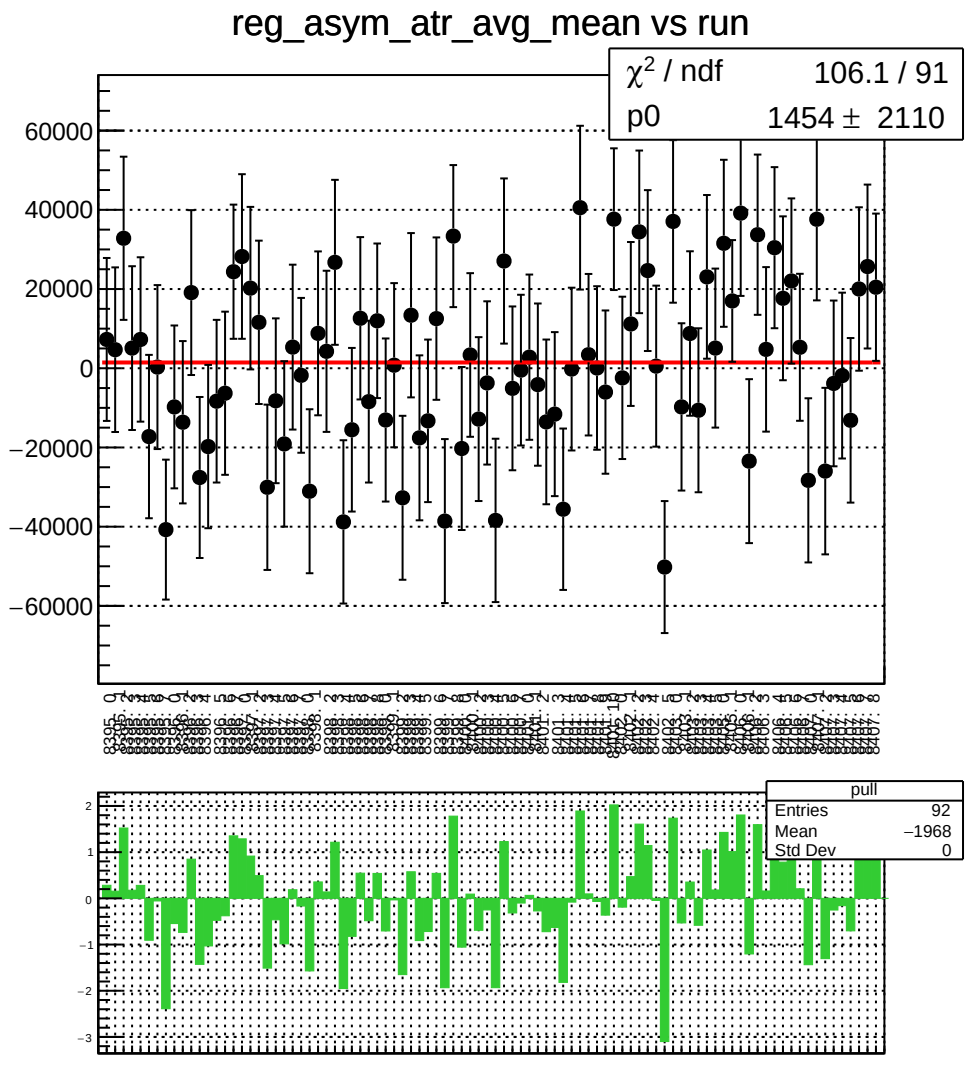

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.458e+04 / 91
p0 93.74 ± 0.07256
140
130
120
110
100
90
80
70
60

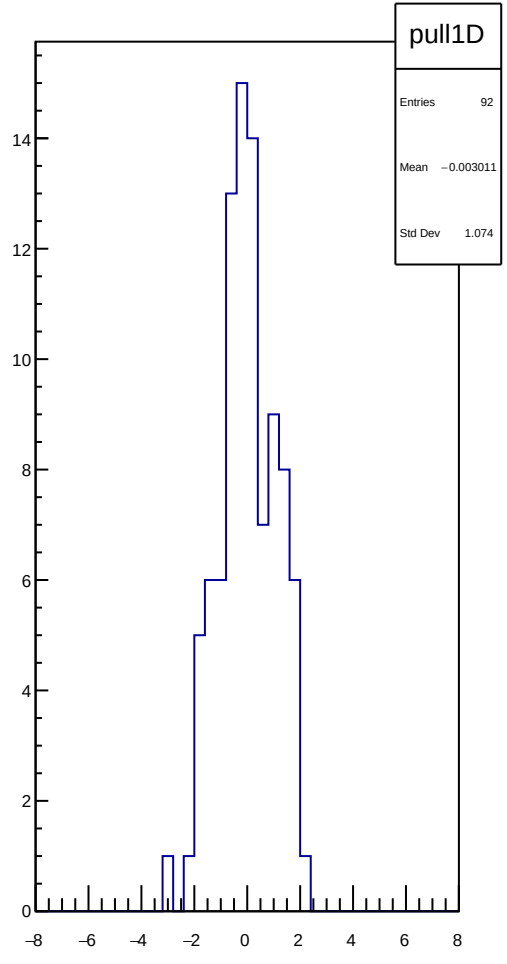

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.7 / 91
p0 0.1937 ± 0.1026
pull
Entries 92
Mean 923.5
Std Dev 0
pull1D
Entries 92
Mean −0.003945
Std Dev 1.057

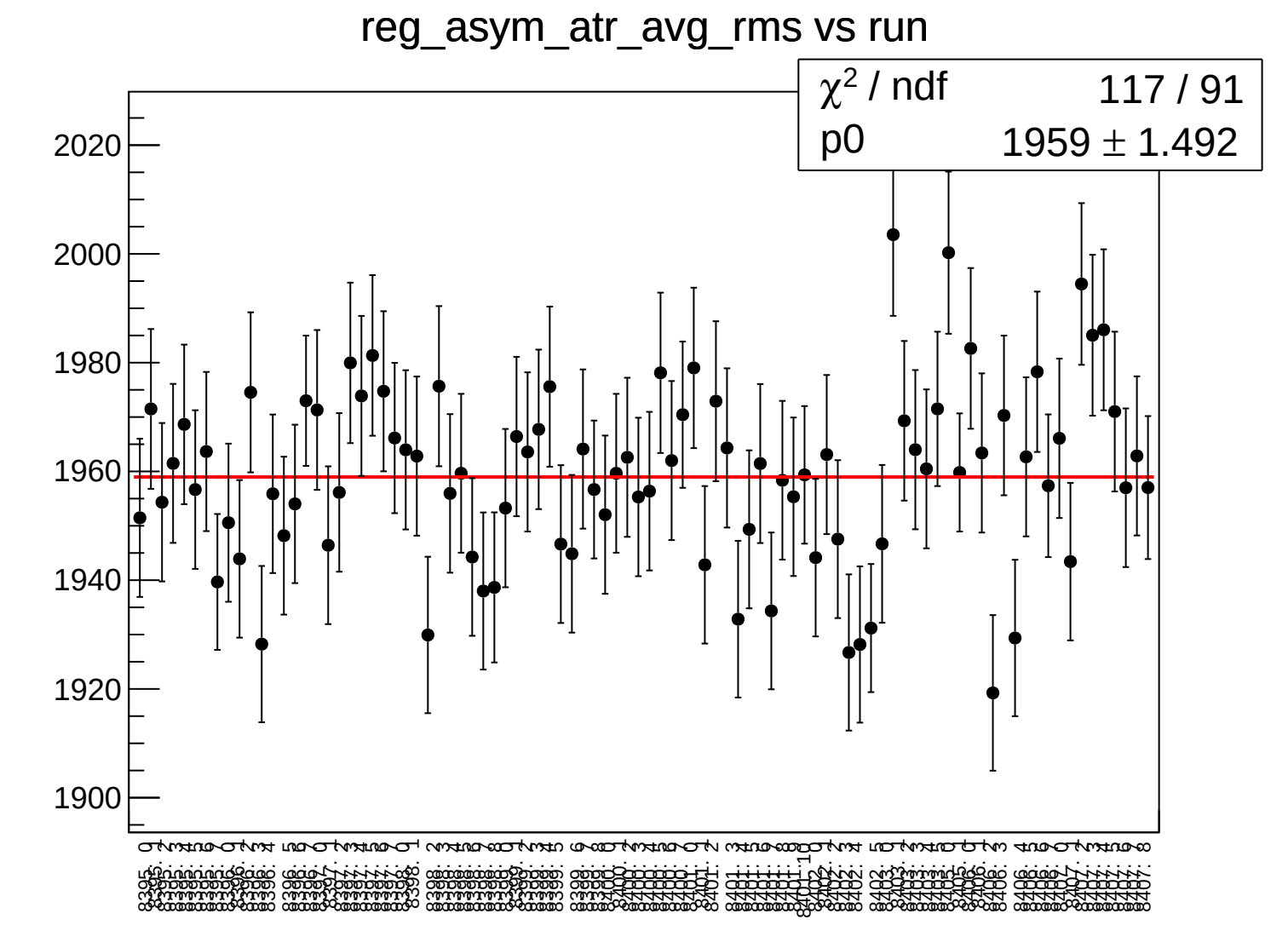

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.458e+04 / 91
p0 93.74 ± 0.07256
140
130
120
110
100
90
80
70
60

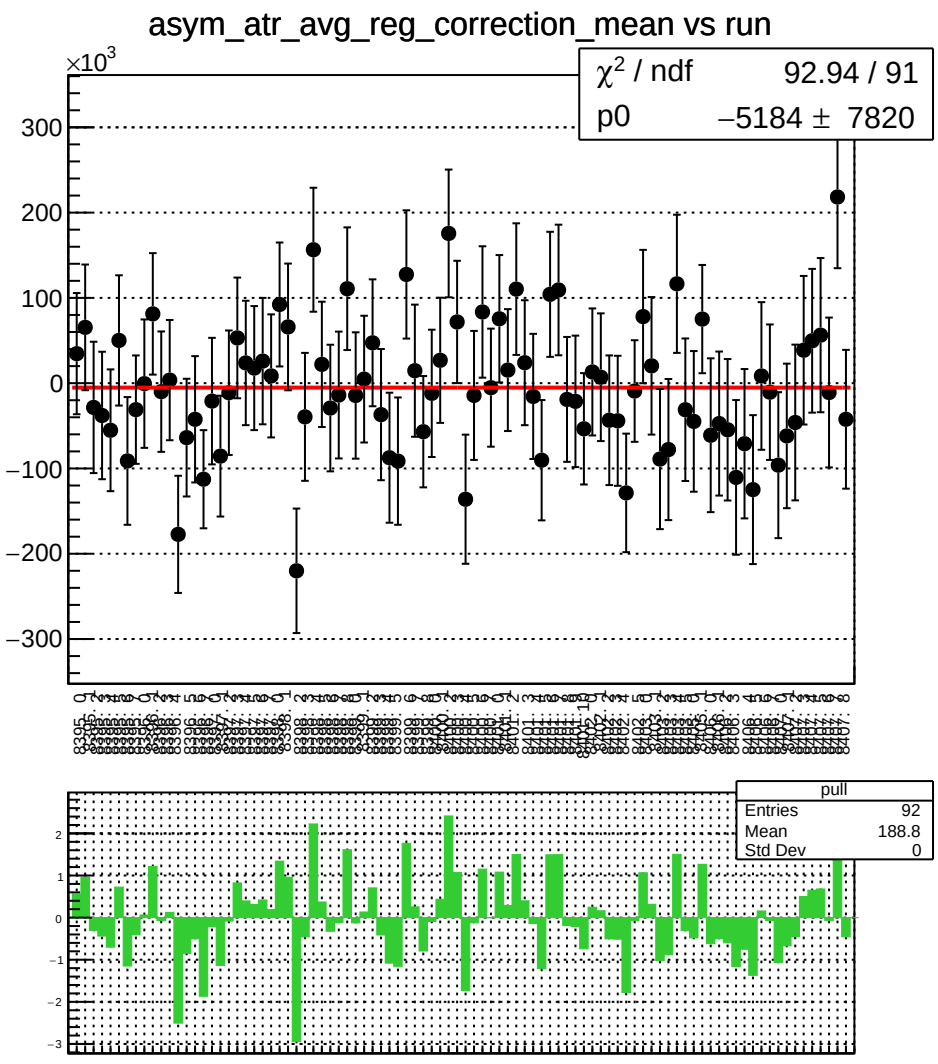

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.94 / 91
p0 −4.043e−14 ± 3.137e−13
40
20
0
−20
−40
pull
Entries 92
Mean 51.33
Std Dev 28.81
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.05474
Std Dev 0.9872
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

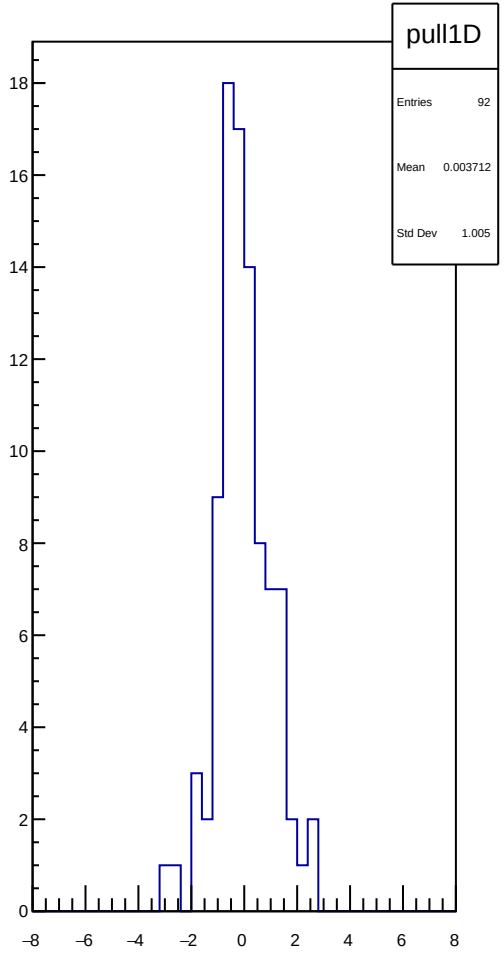

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.34e+05 / 91
p0 2.419e−10 ± 2.218e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

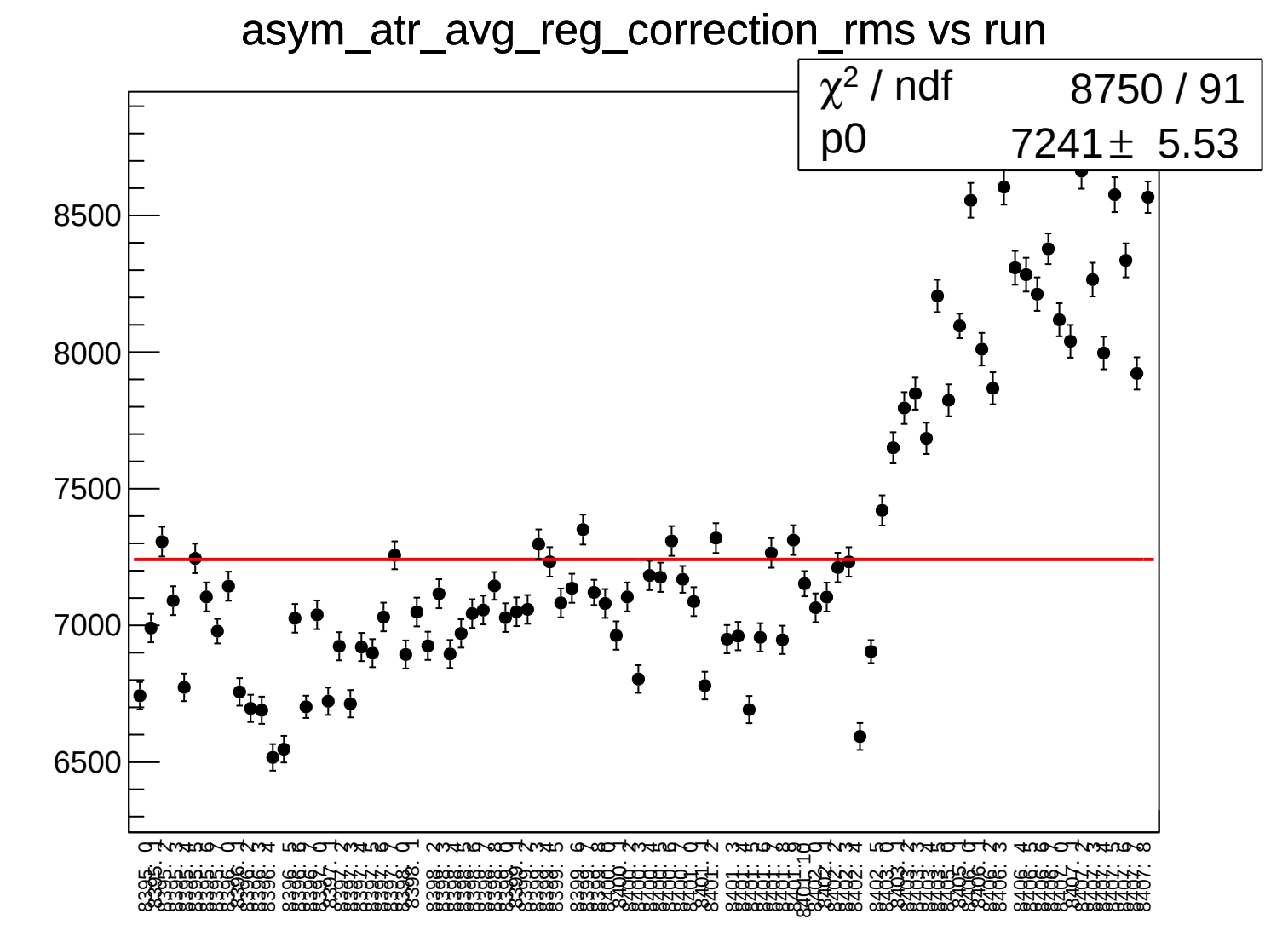

reg_asym_atr_avg_mean vs run
χ² / ndf 106.1 / 91
p0 1454 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1968
Std Dev 0
2
1
0
−1
−2
−3

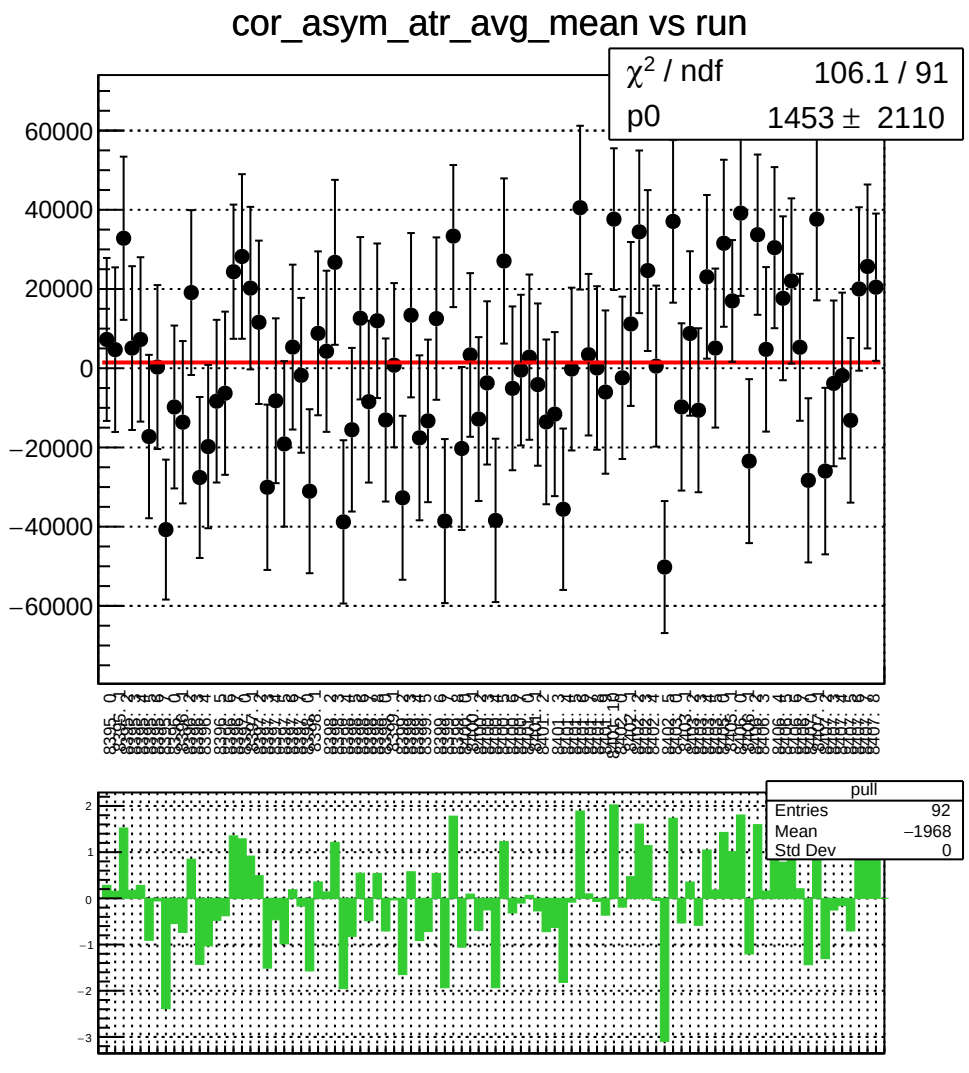

pull1D
Entries 92
Mean −0.003011
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

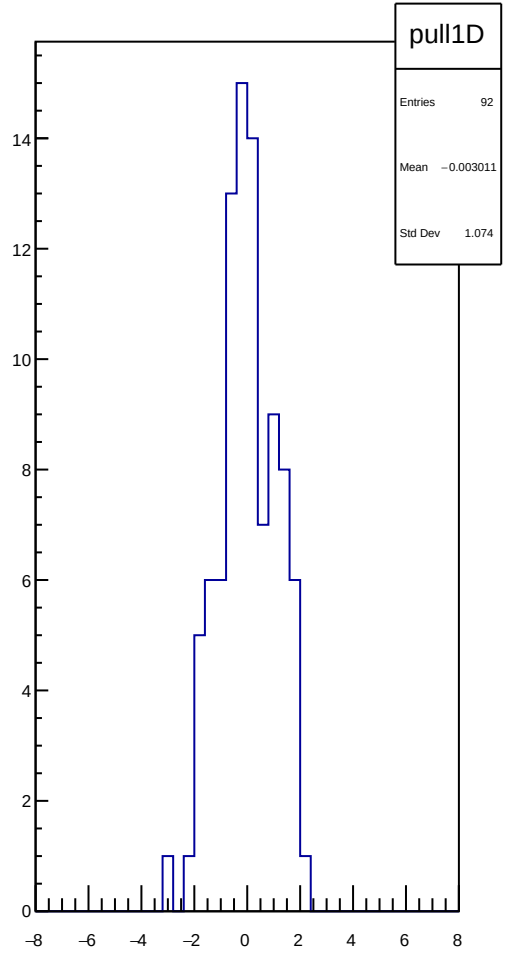

reg_asym_atr_avg_rms vs run
$\chi^2$ / ndf 117 / 91
p0 1959 ± 1.492
2020
2000
1980
1960
1940
1920
1900

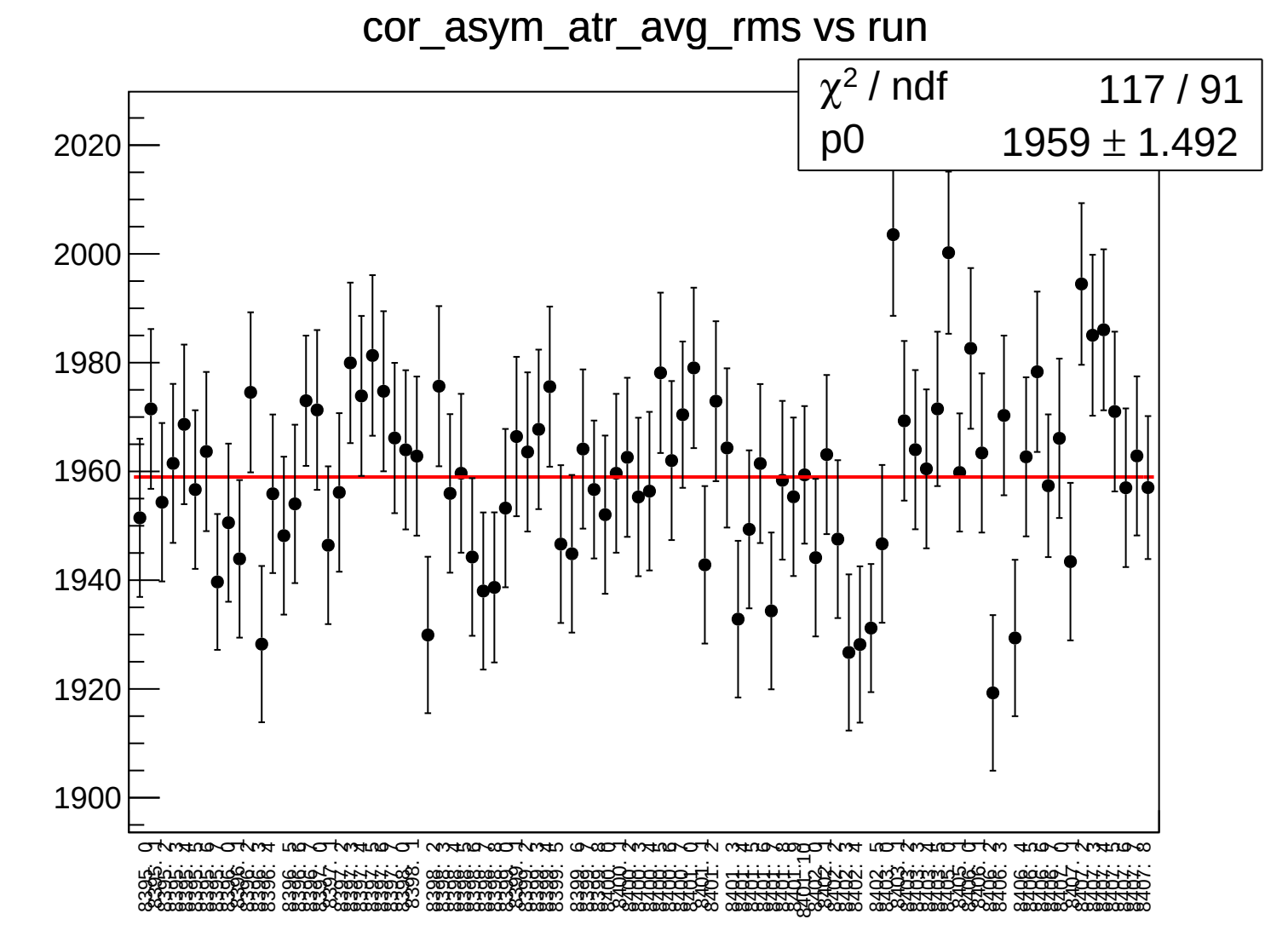

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 92.94 / 91
p0 −5184 ± 7820
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 188.8
Std Dev 0
2
1
0
−1
−2
−3

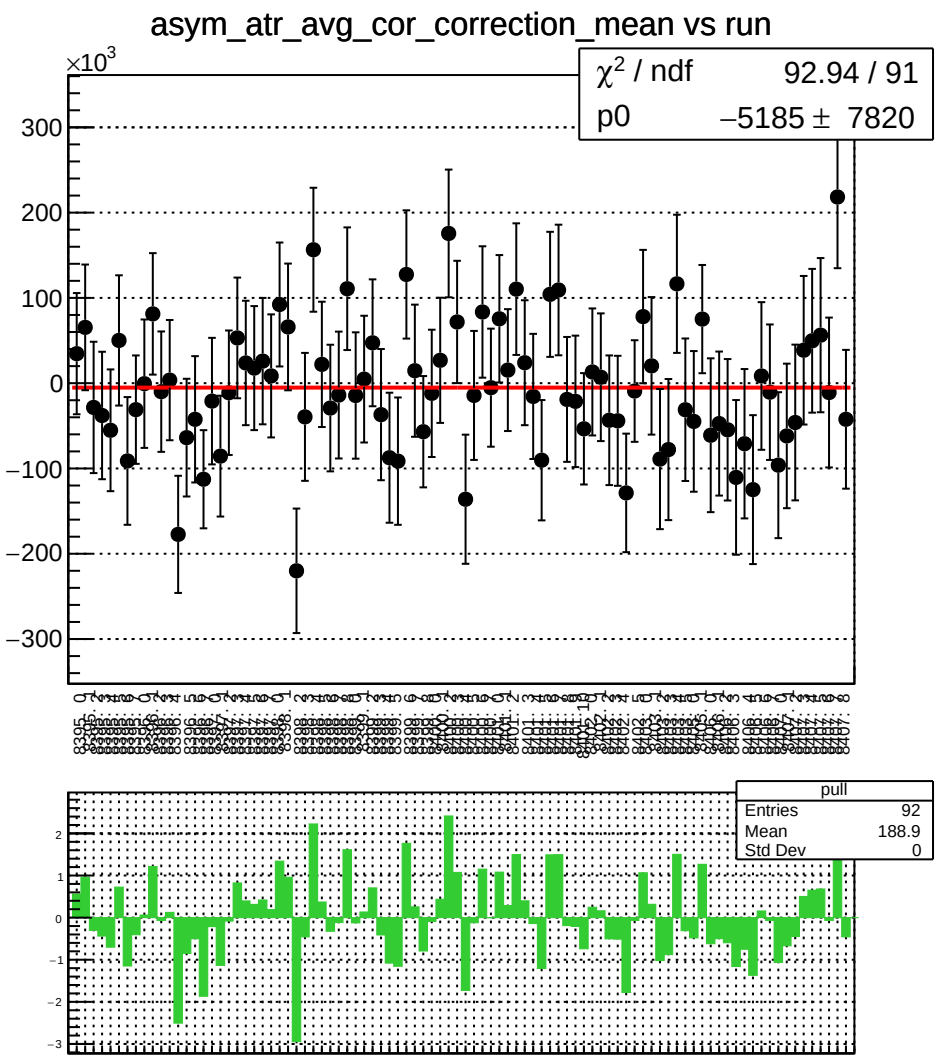

pull1D
Entries 92
Mean 0.003712
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

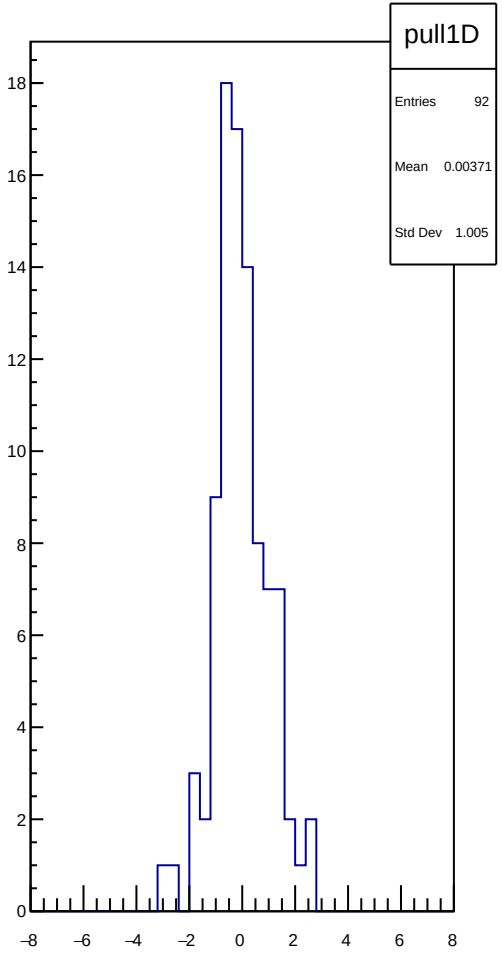

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 8750 / 91
p0 7241 ± 5.53
8500
8000
7500
7000
6500

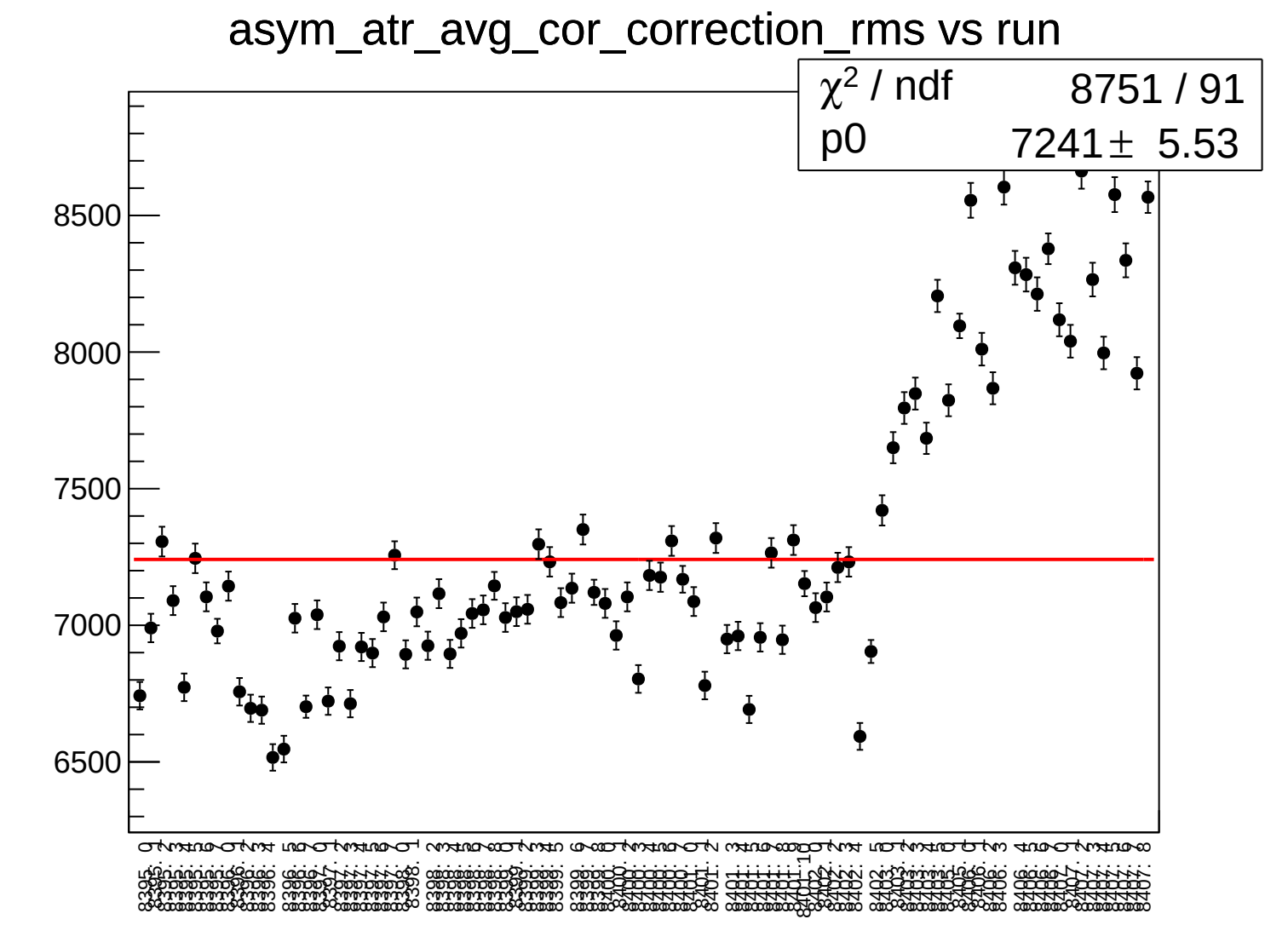

cor_asym_atr_avg_mean vs run
χ² / ndf 106.1 / 91
p0 1453 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1968
Std Dev 0
2
1
0
−1
−2
−3

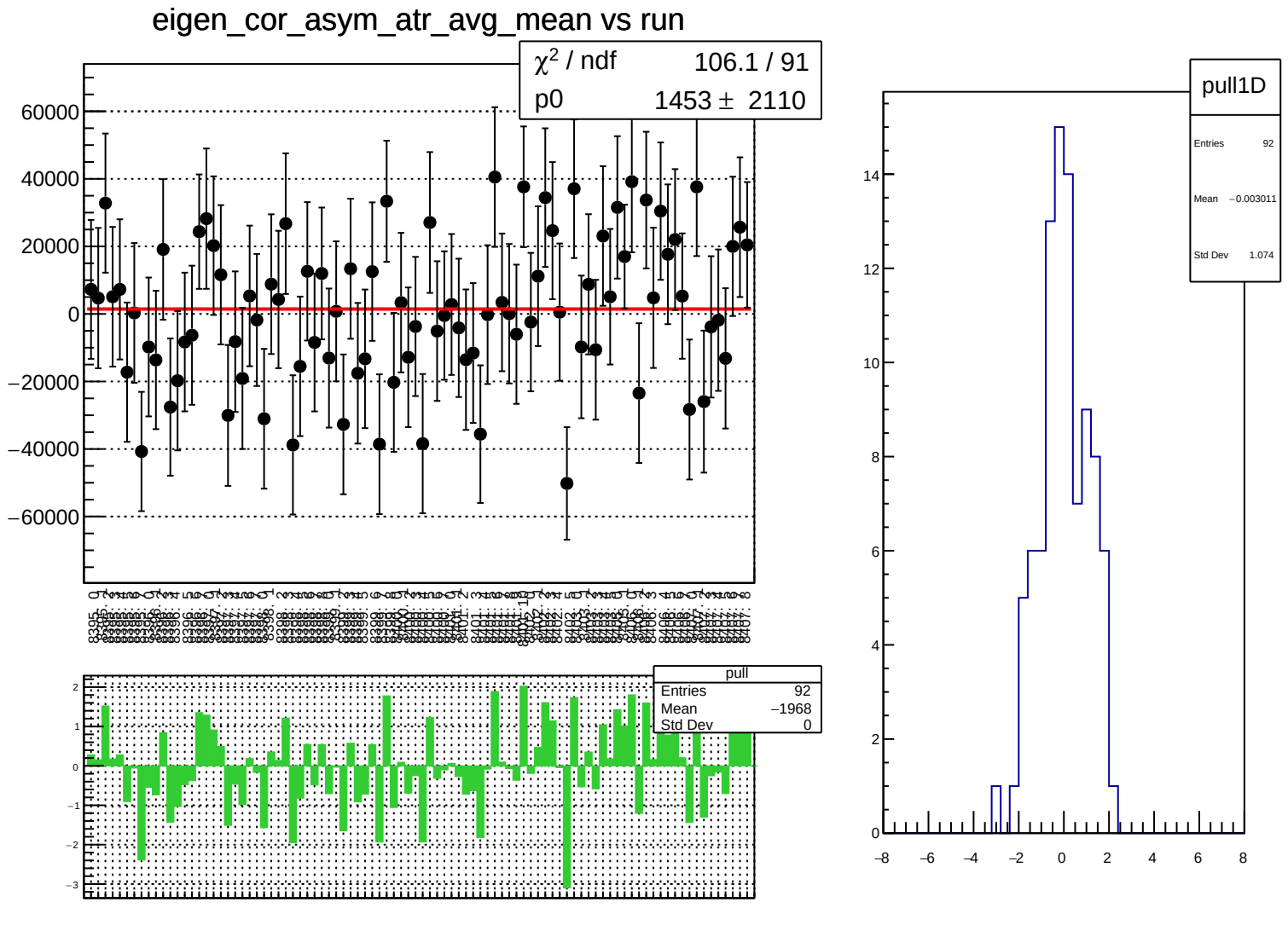

pull1D
Entries 92
Mean −0.003011
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

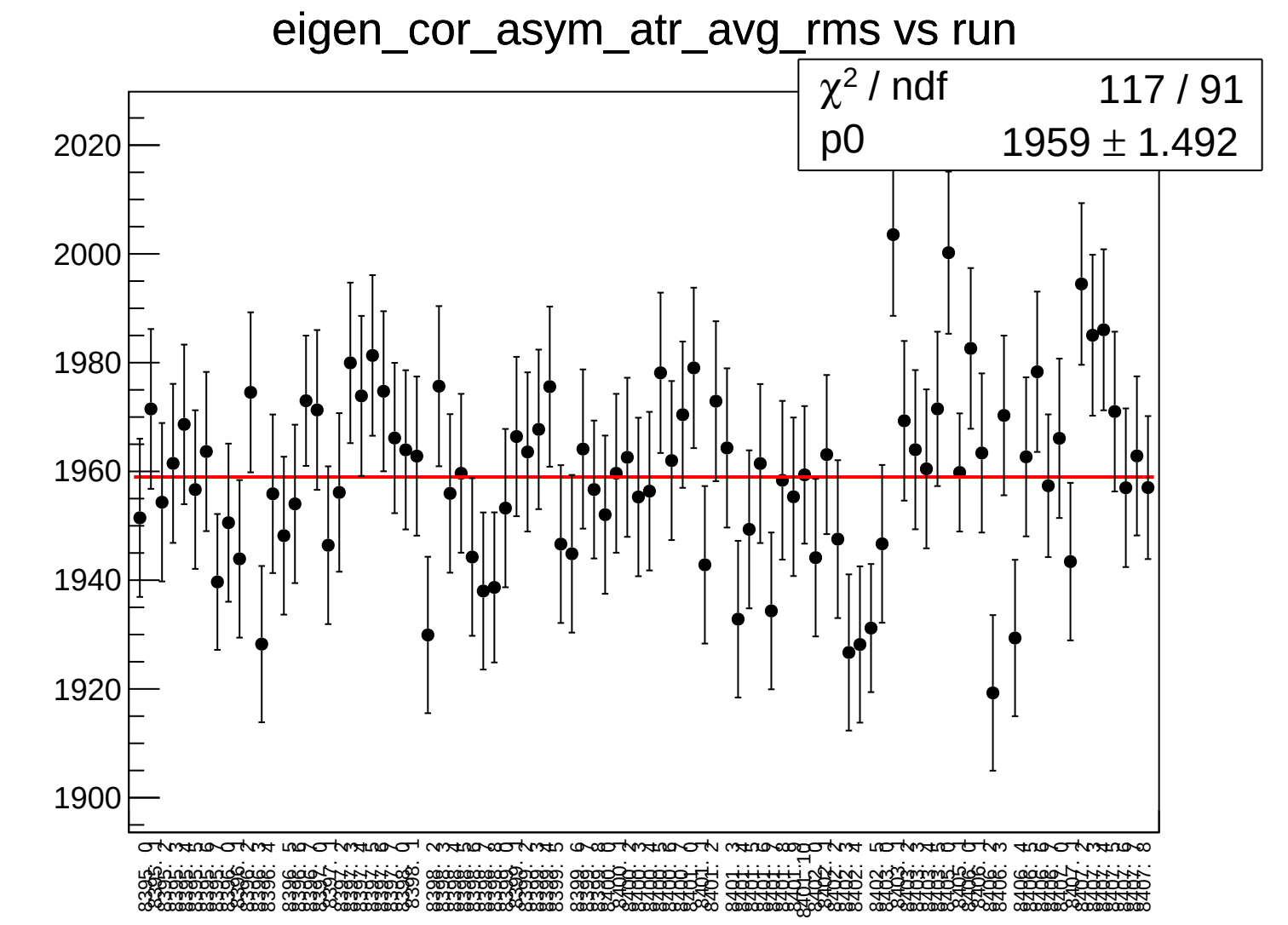

cor_asym_atr_avg_rms vs run
$\chi^2$ / ndf 117 / 91
p0 1959 ± 1.492
2020
2000
1980
1960
1940
1920
1900

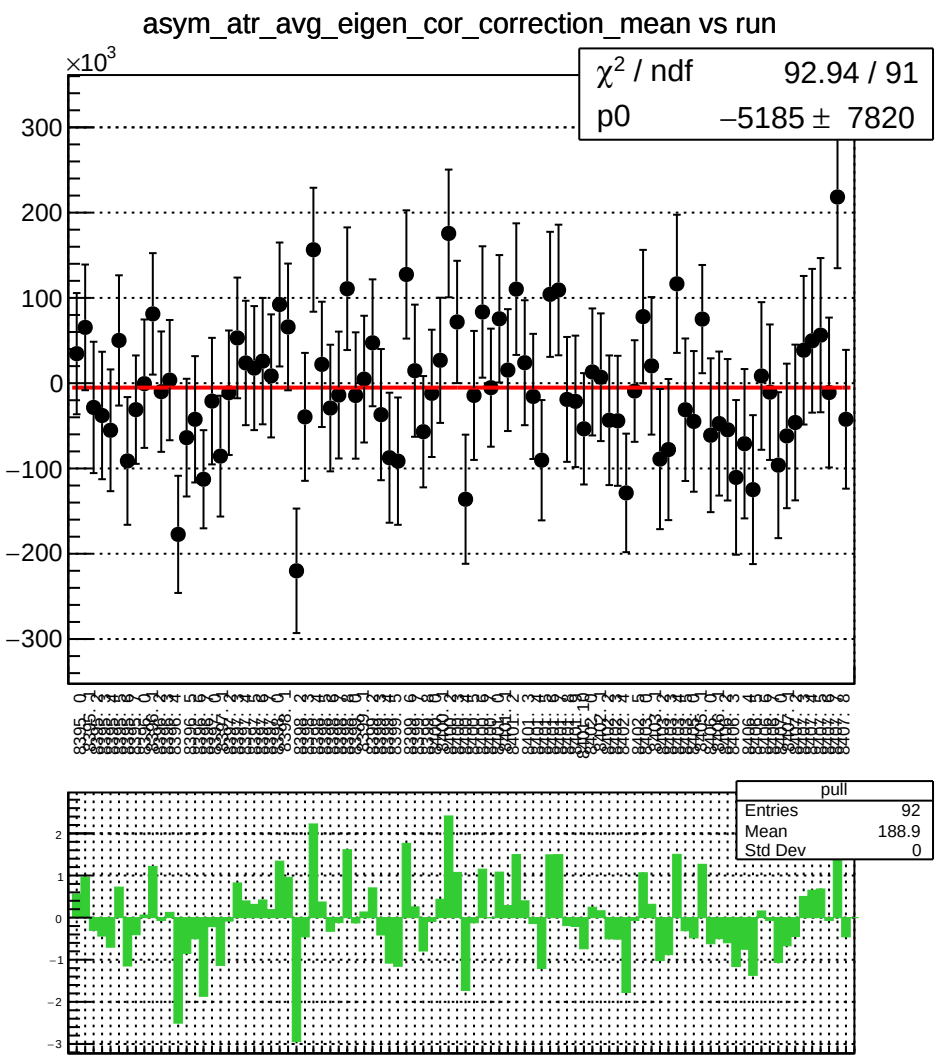

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 92.94 / 91
p0 −5185 ± 7820
pull
Entries 92
Mean 188.9
Std Dev 0

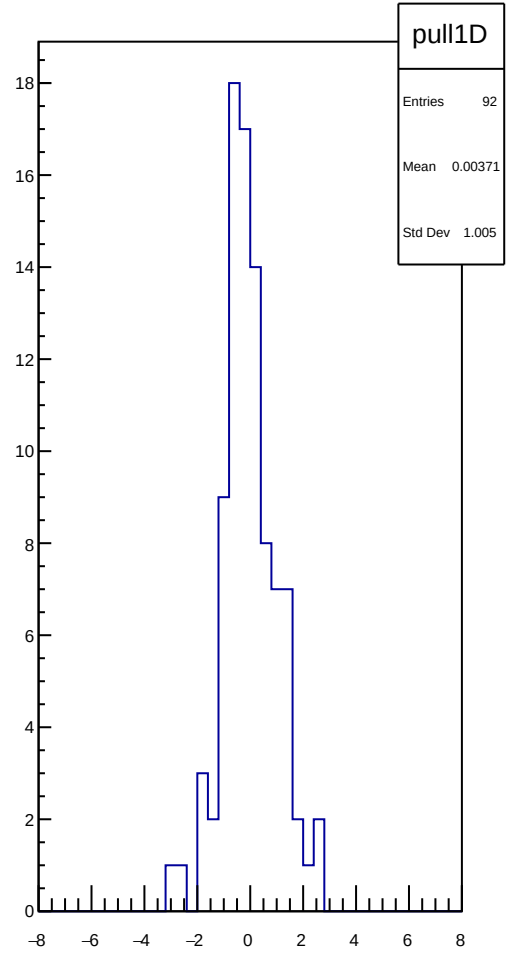

pull1D
Entries 92
Mean 0.00371
Std Dev 1.005

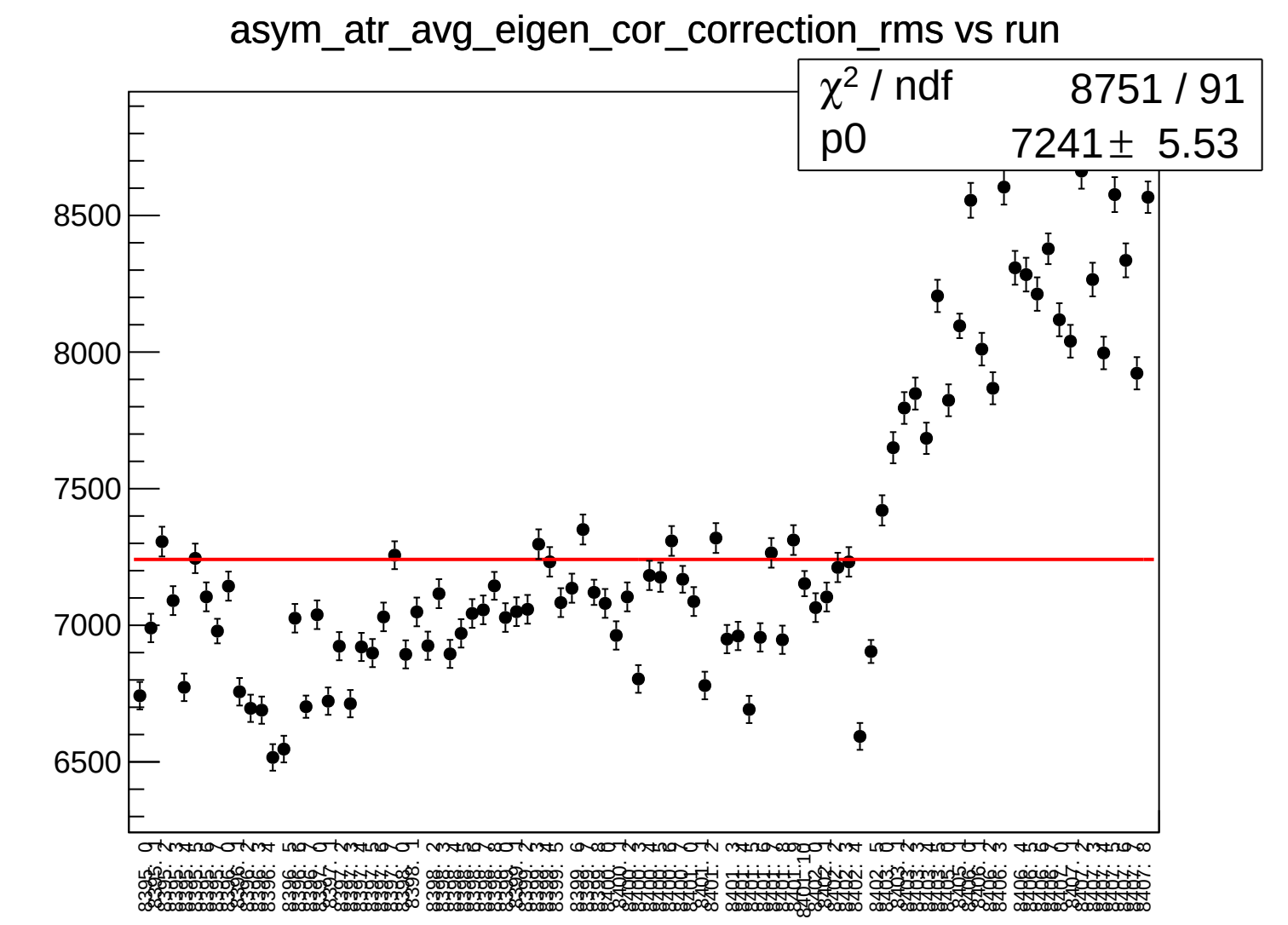

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 8751 / 91
p0 7241 ± 5.53
8500
8000
7500
7000
6500

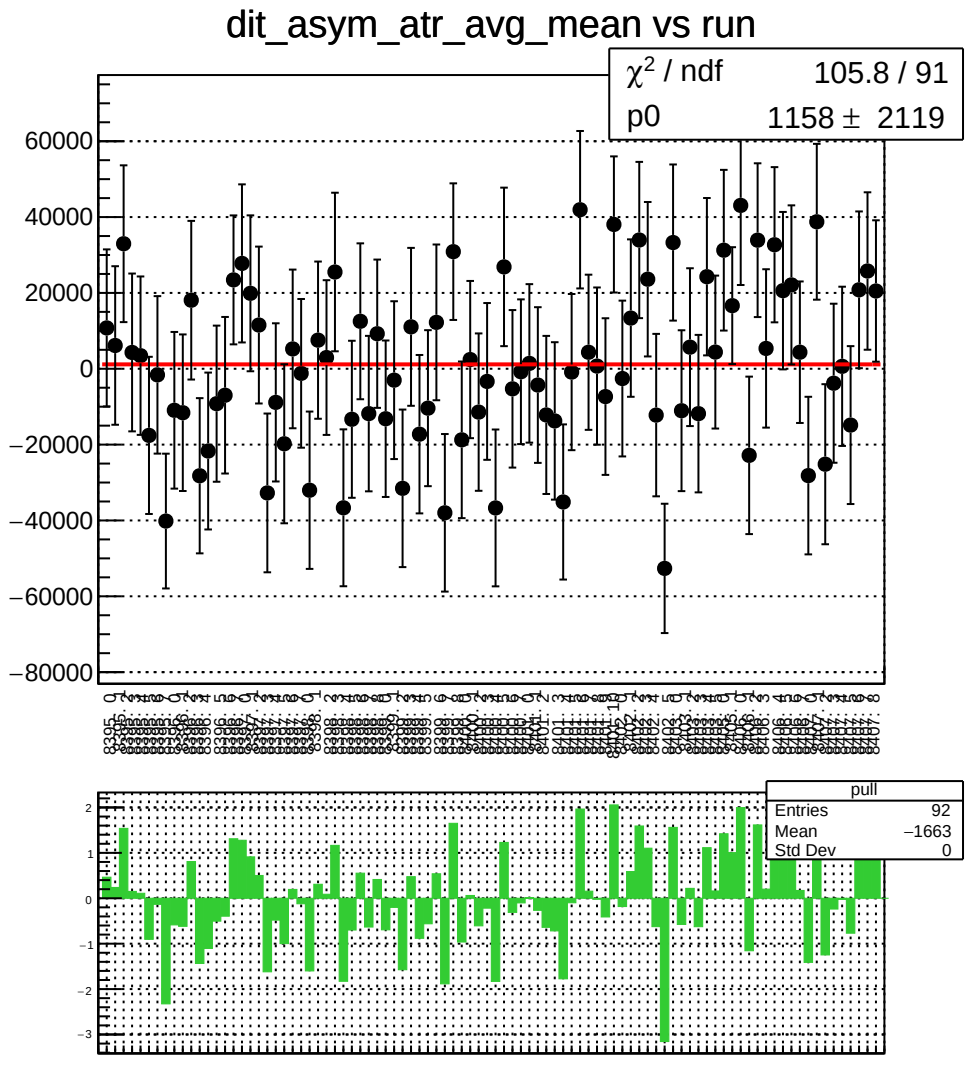

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 106.1 / 91
p0 1453 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1968
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.003011
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

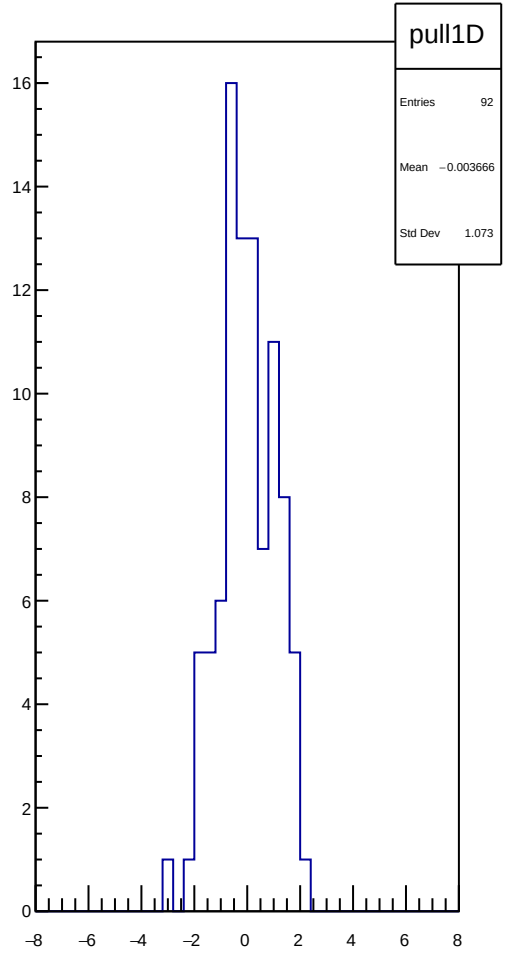

eigen_cor_asym_atr_avg_rms vs run
$\chi^2$ / ndf 117 / 91
p0 1959 ± 1.492
2020
2000
1980
1960
1940
1920
1900

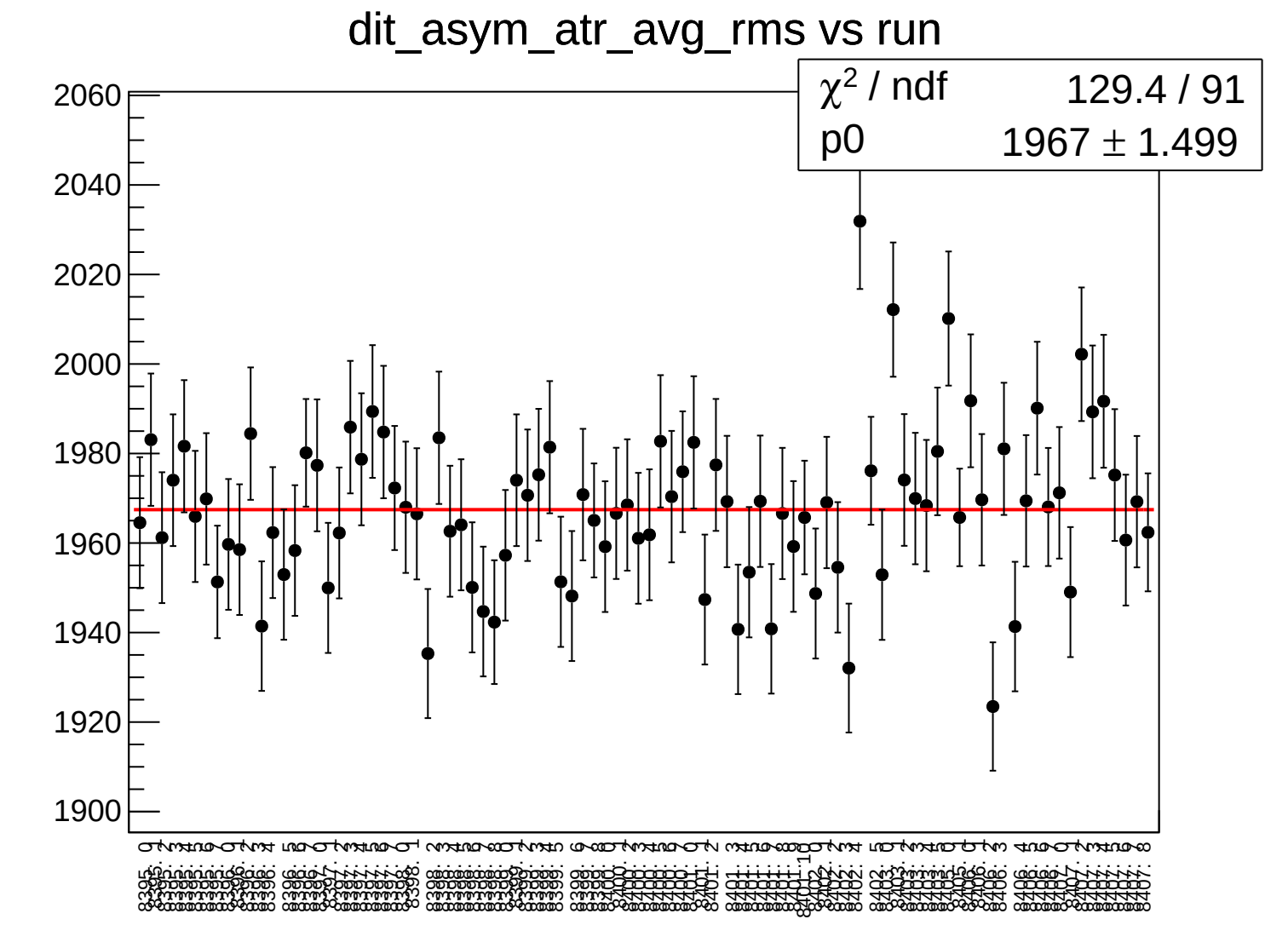

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.94 / 91
p0 −5185 ± 7820
pull
Entries 92
Mean 188.9
Std Dev 0

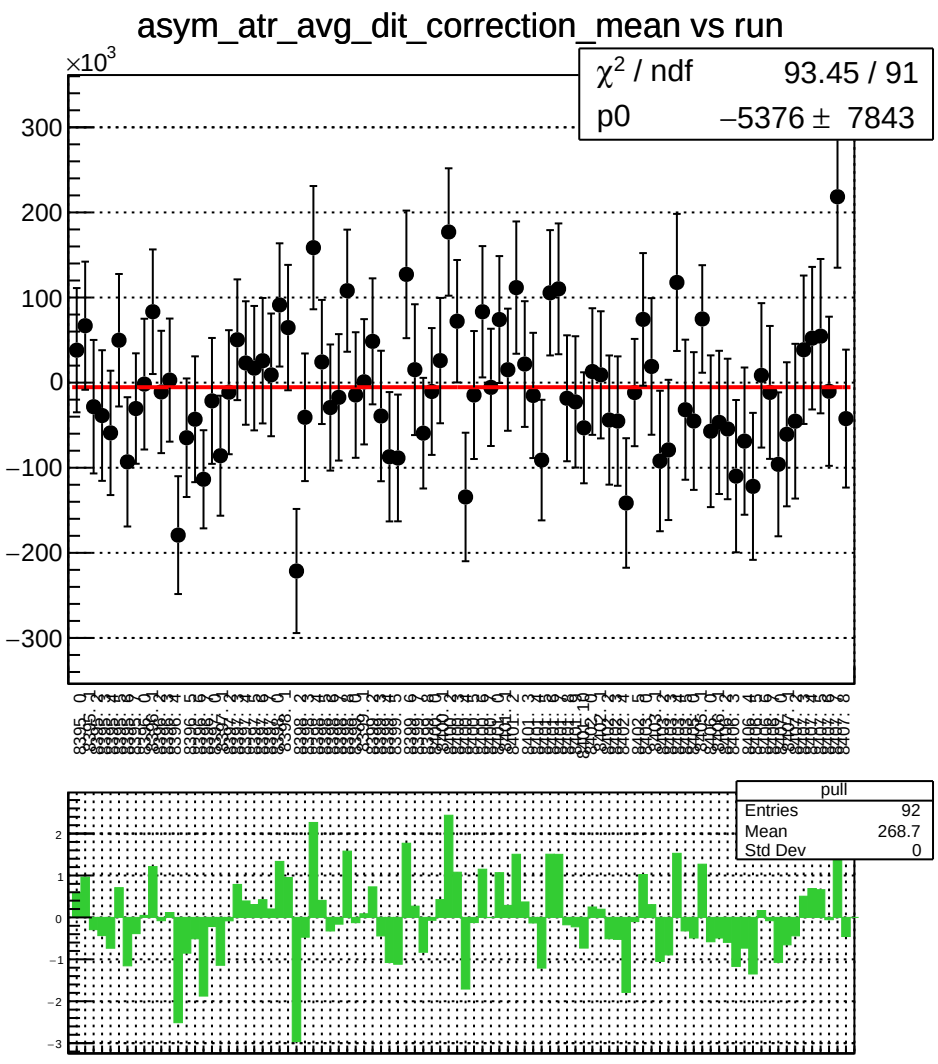

pull1D
Entries 92
Mean 0.00371
Std Dev 1.005

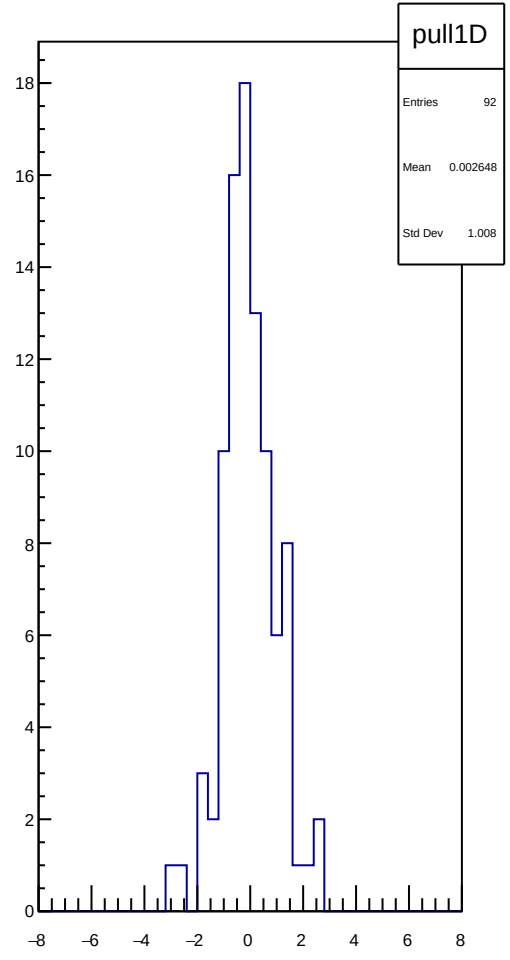

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 8751 / 91
p0 7241 ± 5.53
8500
8000
7500
7000
6500

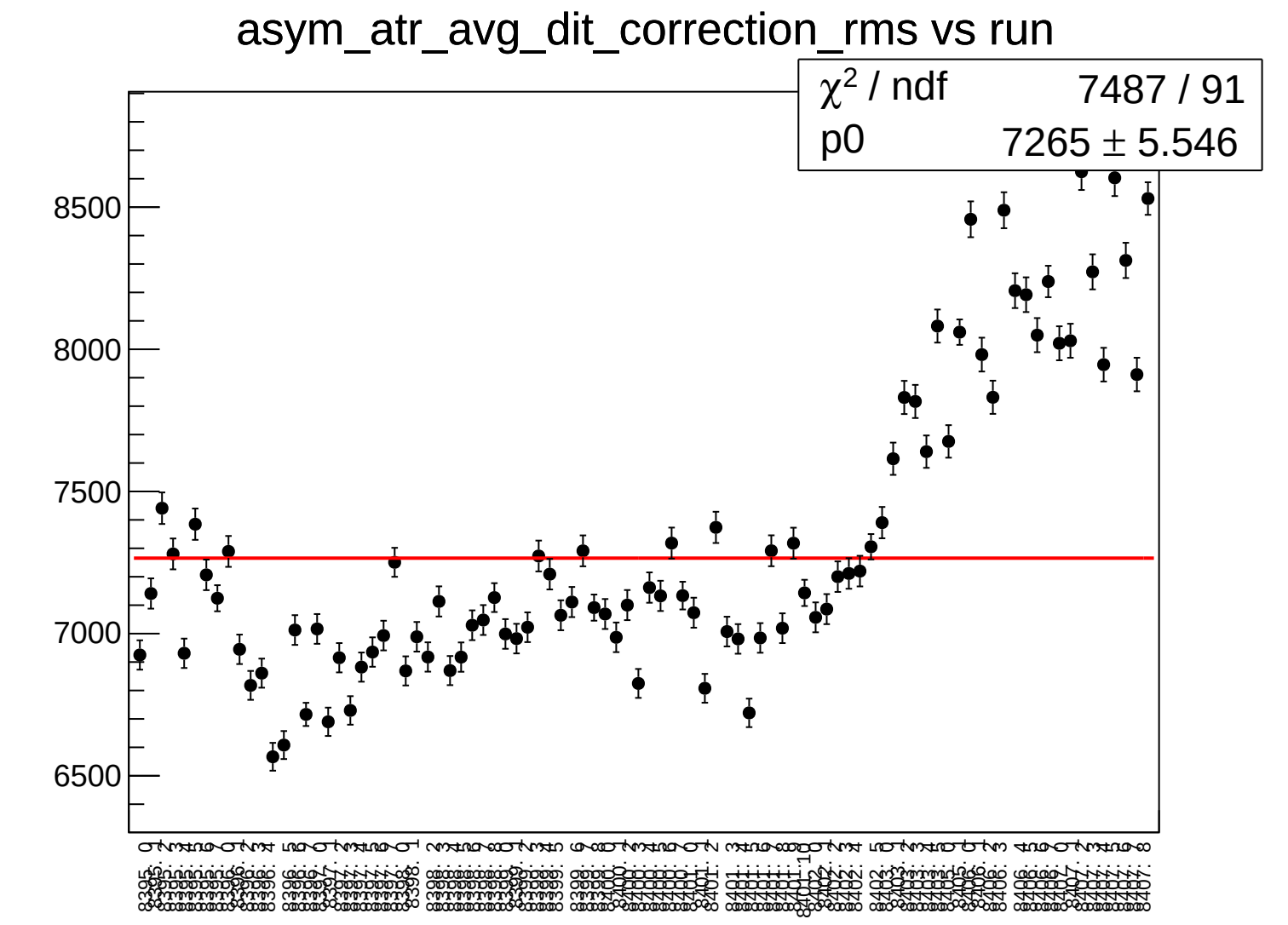

dit_asym_atr_avg_mean vs run
χ² / ndf 105.8 / 91
p0 1158 ± 2119
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −1663
Std Dev 0
2
1
0
−1
−2
−3

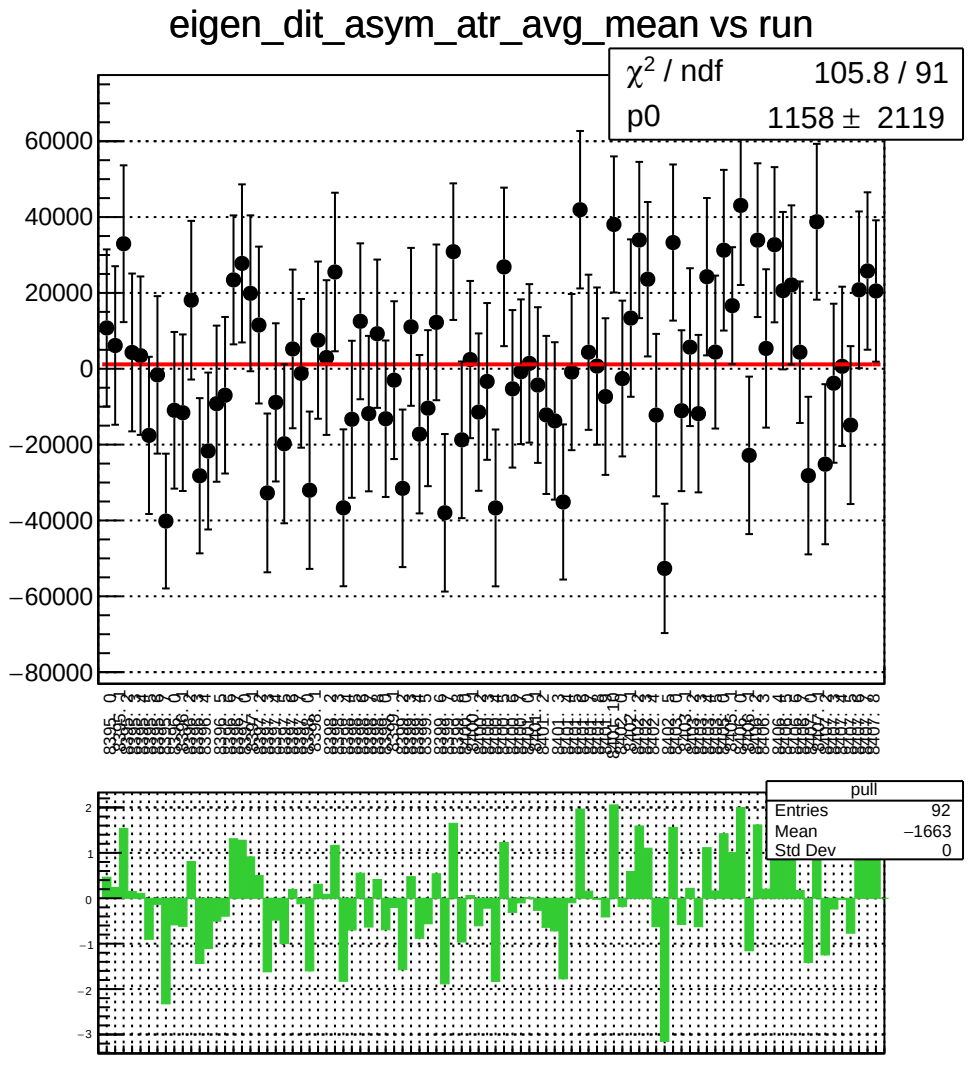

pull1D
Entries 92
Mean −0.003666
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

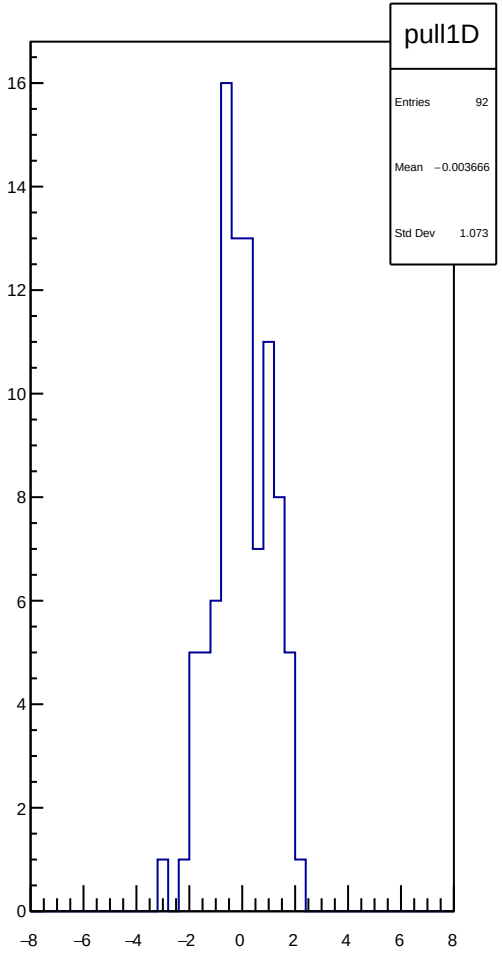

dit_asym_atr_avg_rms vs run
χ² / ndf 129.4 / 91
p0 1967 ± 1.499
2060
2040
2020
2000
1980
1960
1940
1920
1900

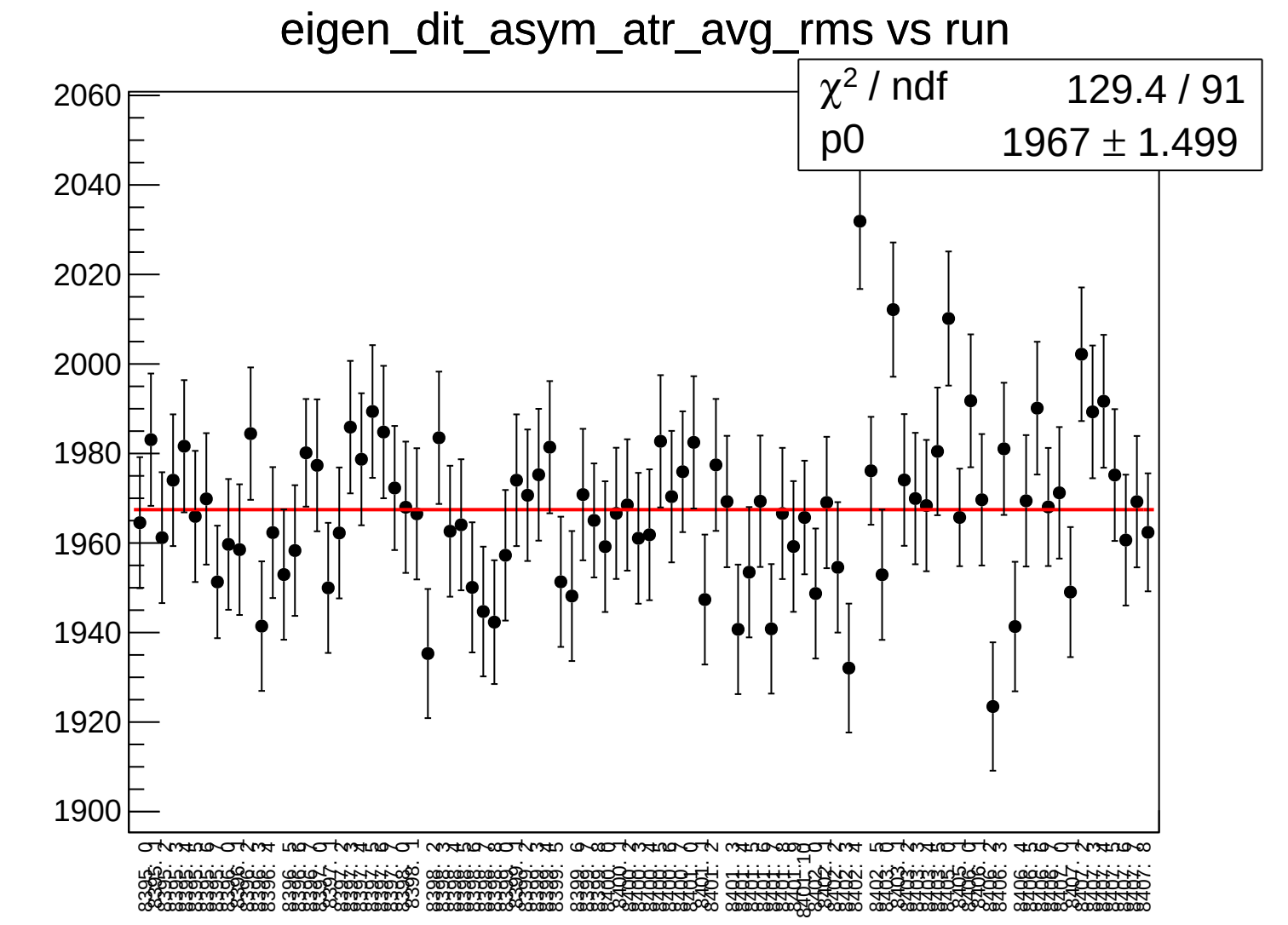

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 93.45 / 91
p0 −5376 ± 7843
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 268.7
Std Dev 0
2
1
0
−1
−2
−3

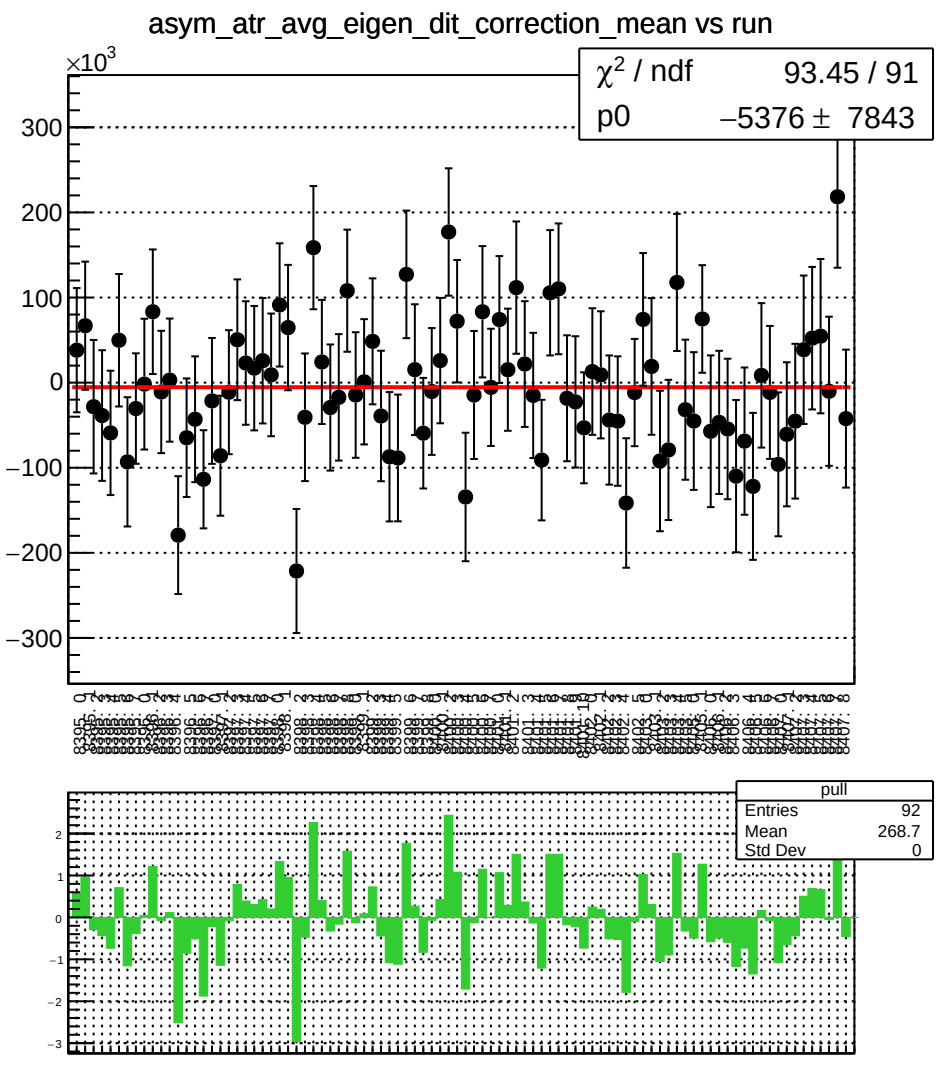

pull1D
Entries 92
Mean 0.002648
Std Dev 1.008
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

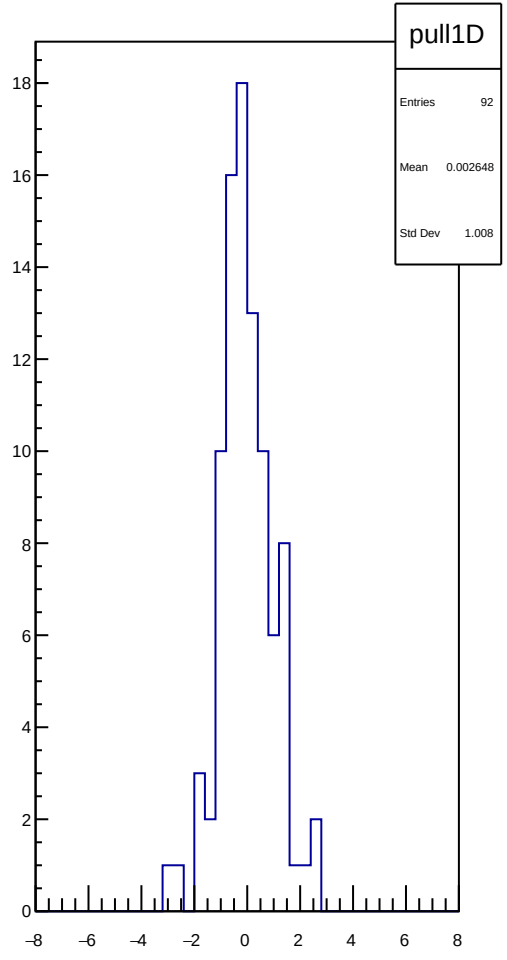

asym_atr_avg_dit_correction_rms vs run
$\chi^2$ / ndf 7487 / 91
p0 7265 ± 5.546
8500
8000
7500
7000
6500

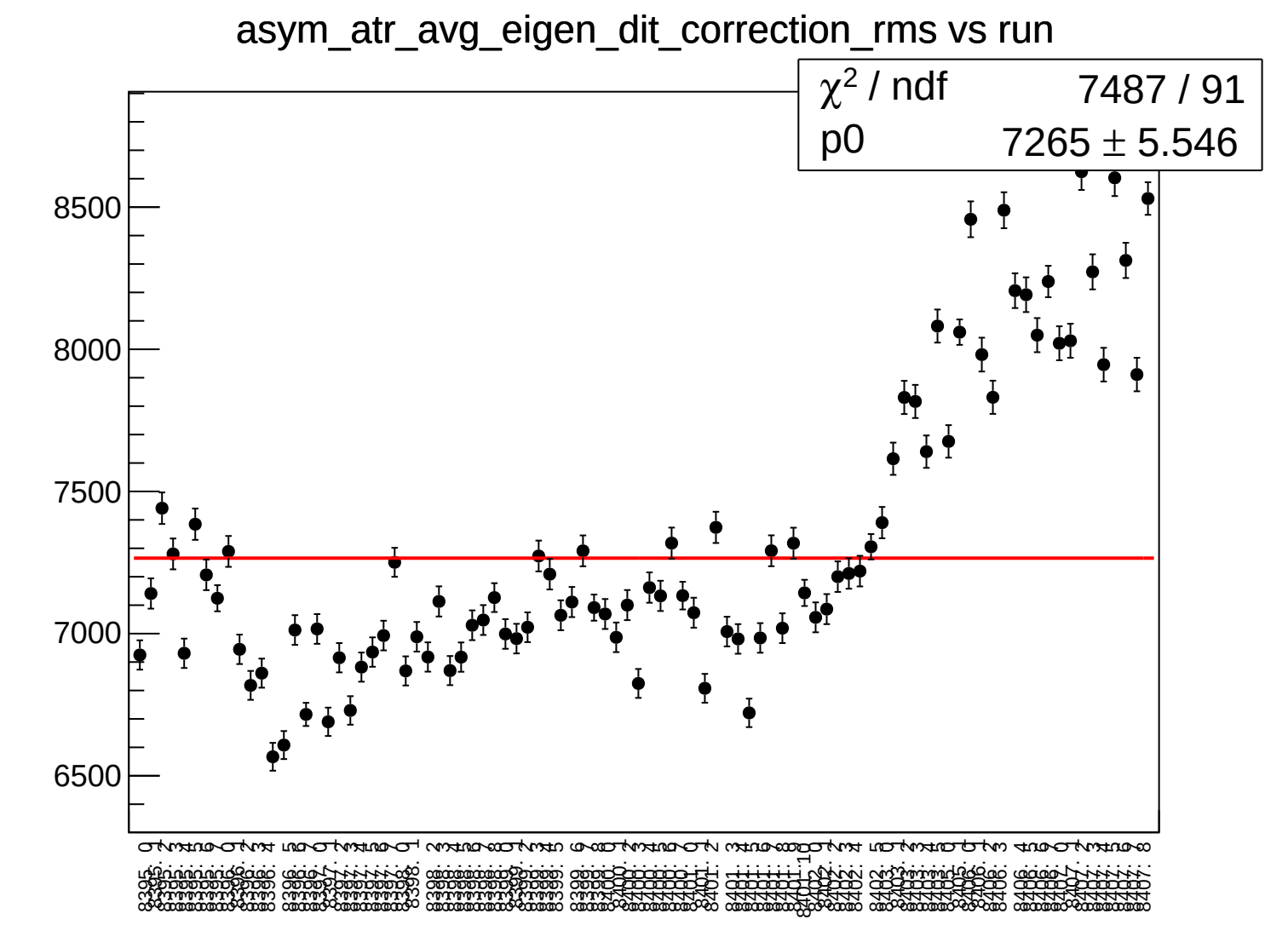

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 105.8 / 91
p0 1158 ± 2119
pull
Entries 92
Mean −1663
Std Dev 0

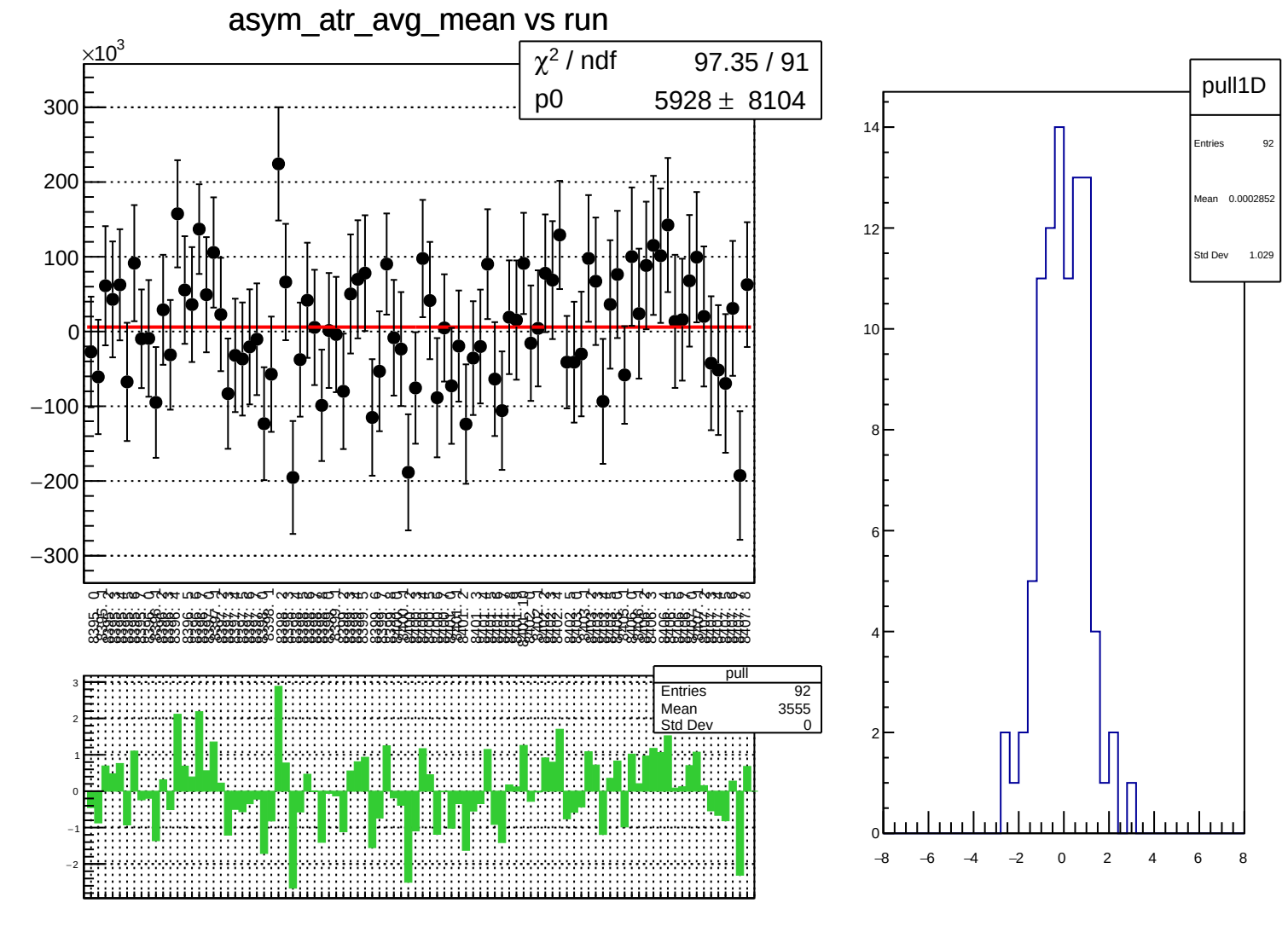

pull1D
Entries 92
Mean −0.003666
Std Dev 1.073

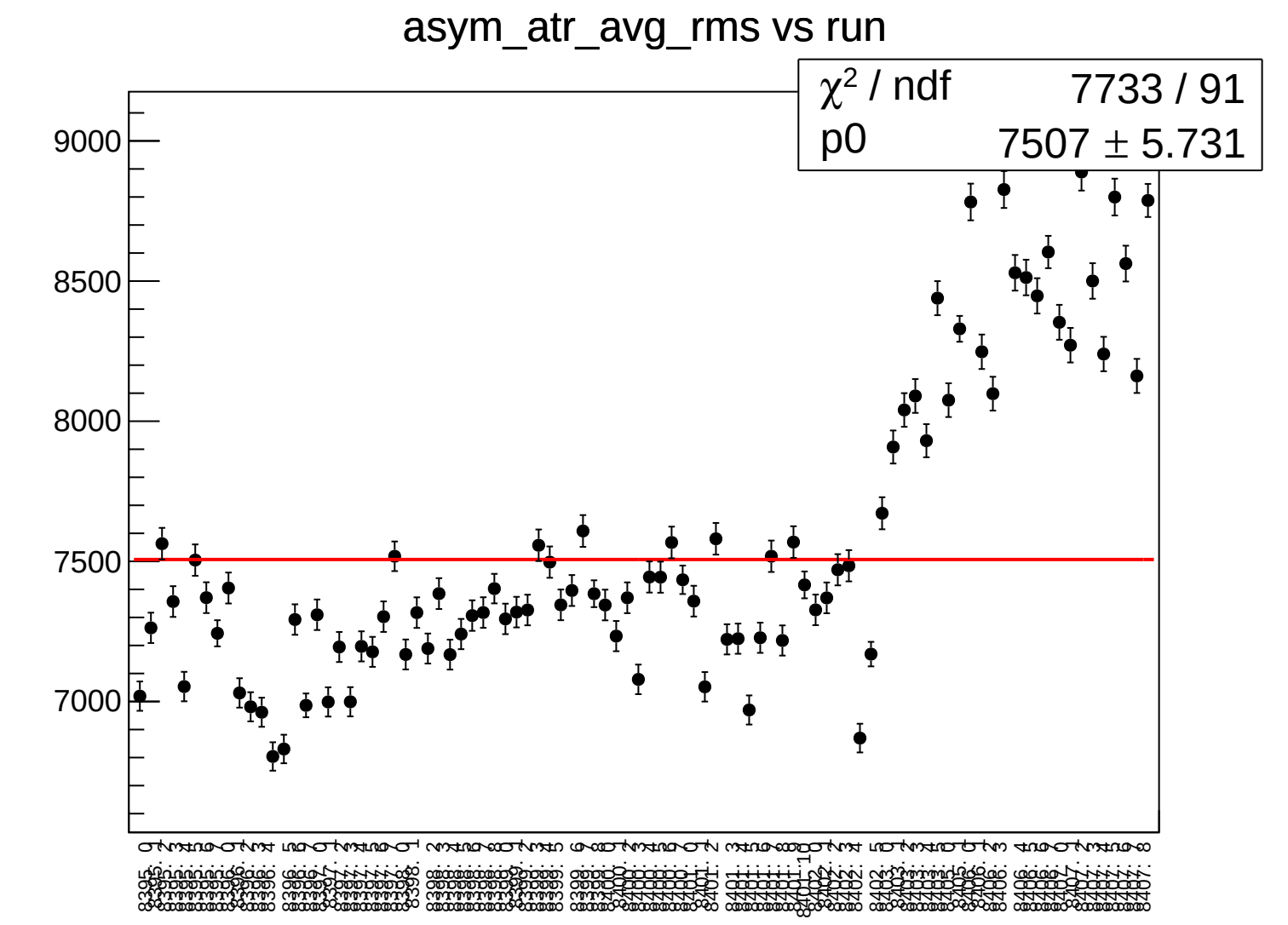

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 129.4 / 91
p0 1967 ± 1.499
2060
2040
2020
2000
1980
1960
1940
1920
1900

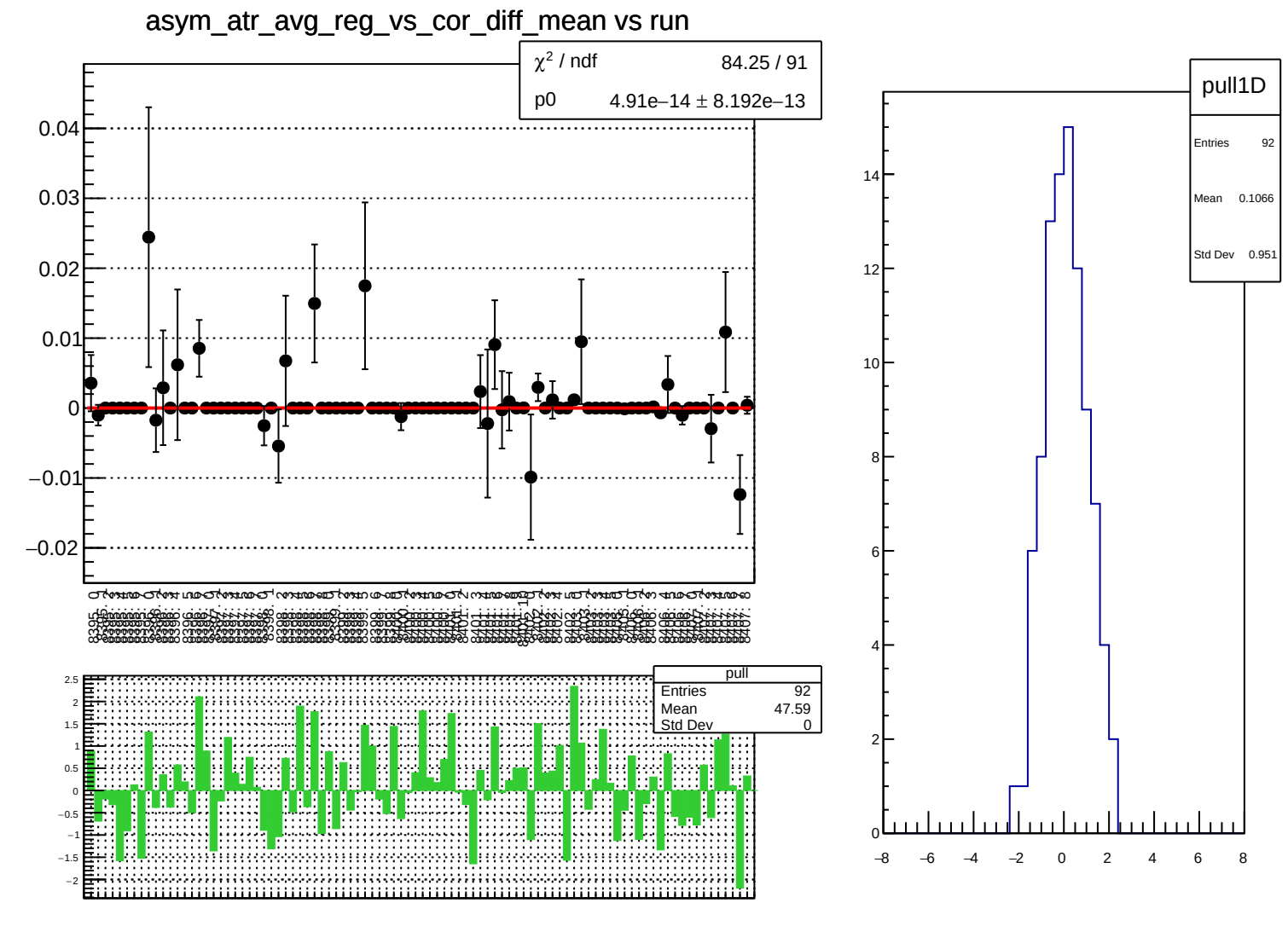

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 93.45 / 91
p0 −5376 ± 7843
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 268.7
Std Dev 0
2
1
0
−1
−2
−3

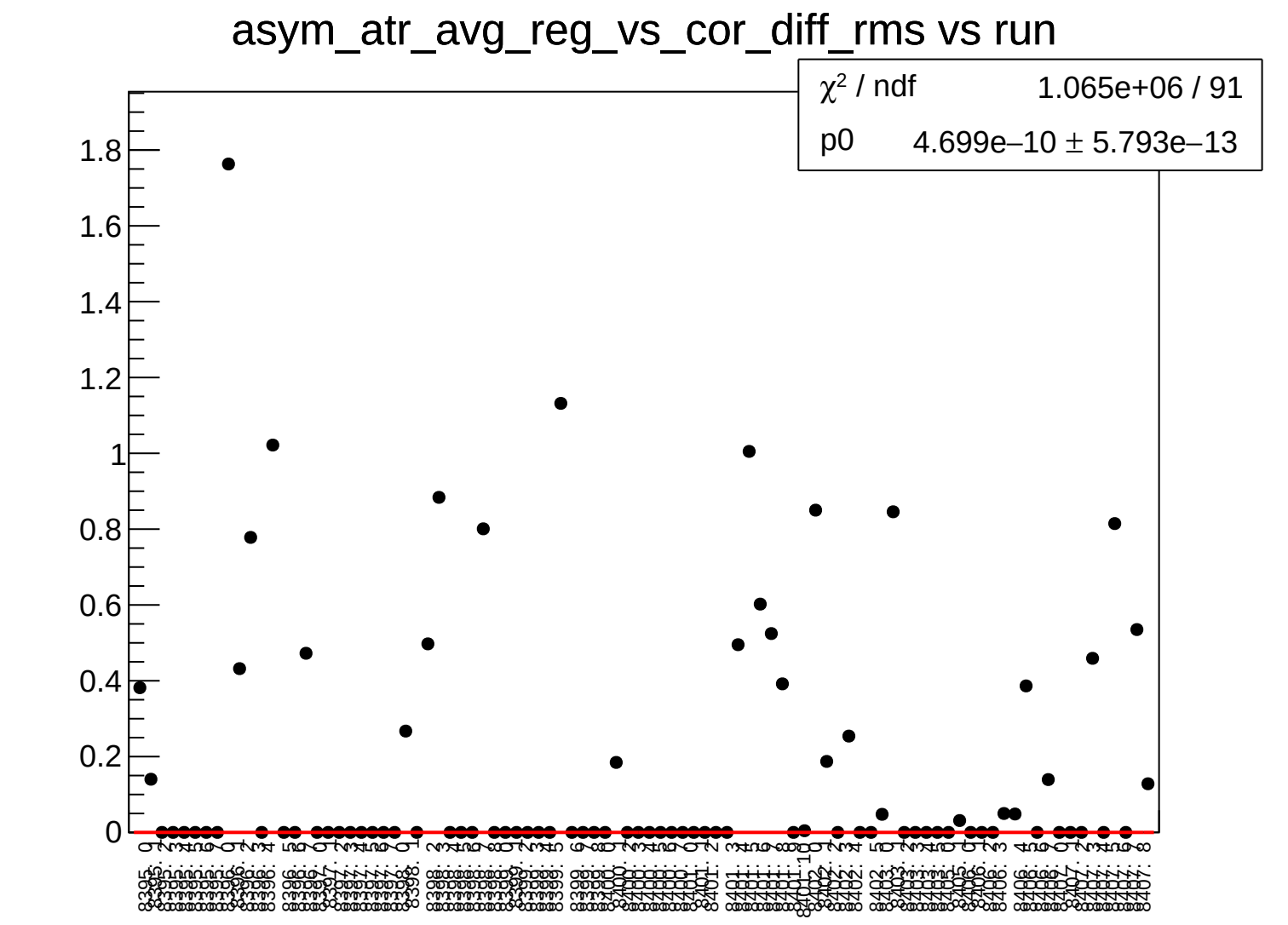

pull1D
Entries 92
Mean 0.002648
Std Dev 1.008
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

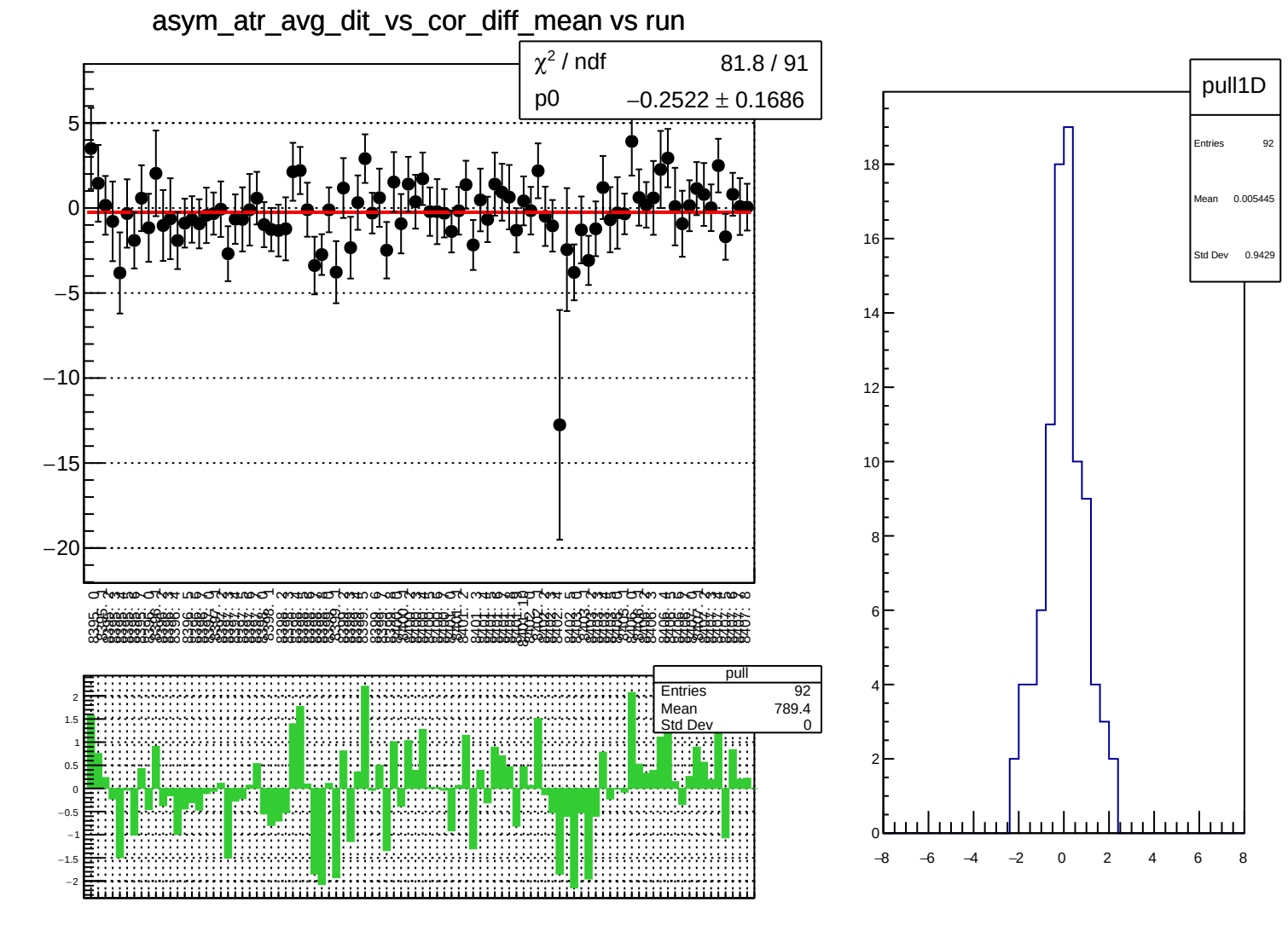

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 7487 / 91
p0 7265 ± 5.546
8500
8000
7500
7000
6500

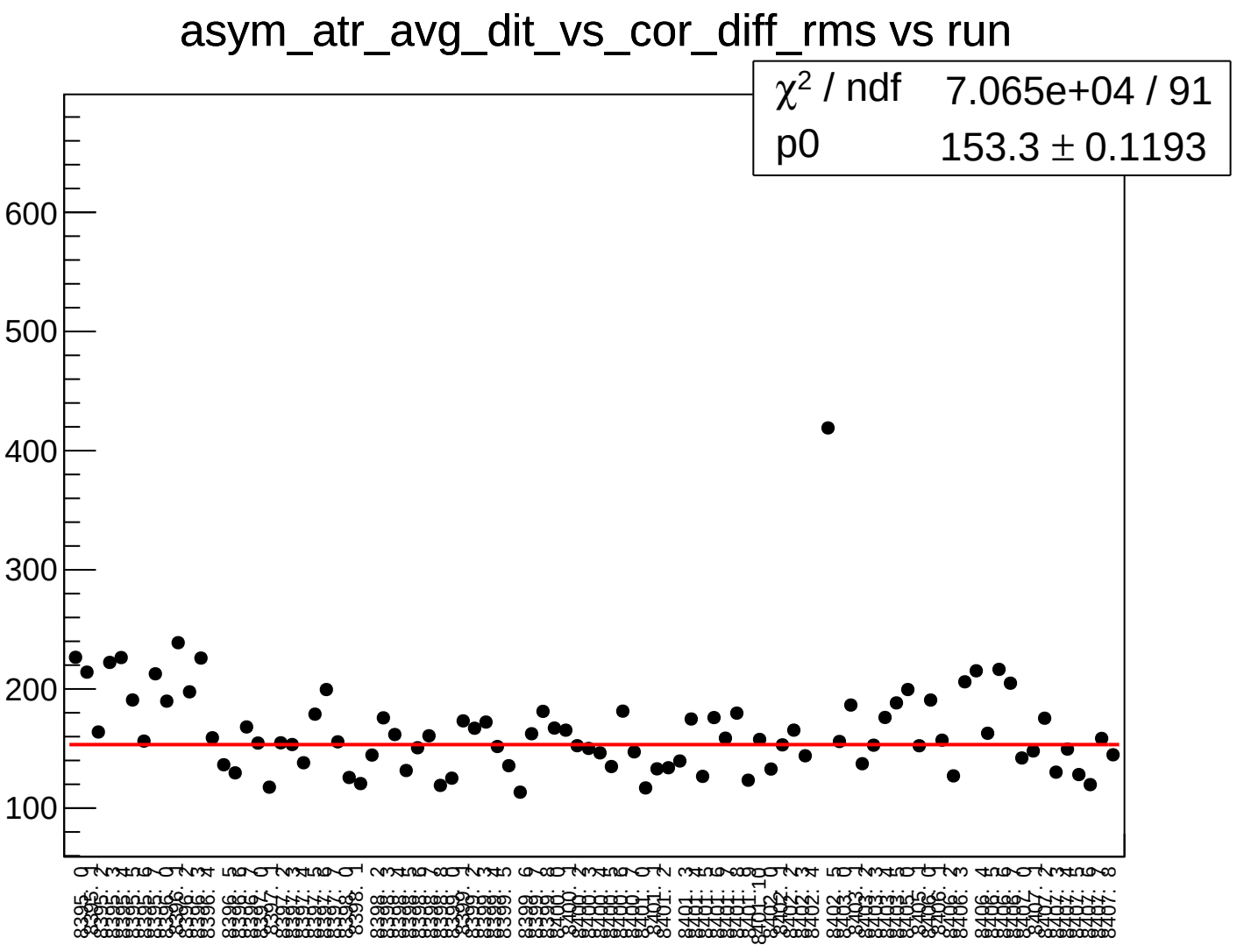

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 97.35 / 91
p0 5928 ± 8104
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 3555
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.0002852
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

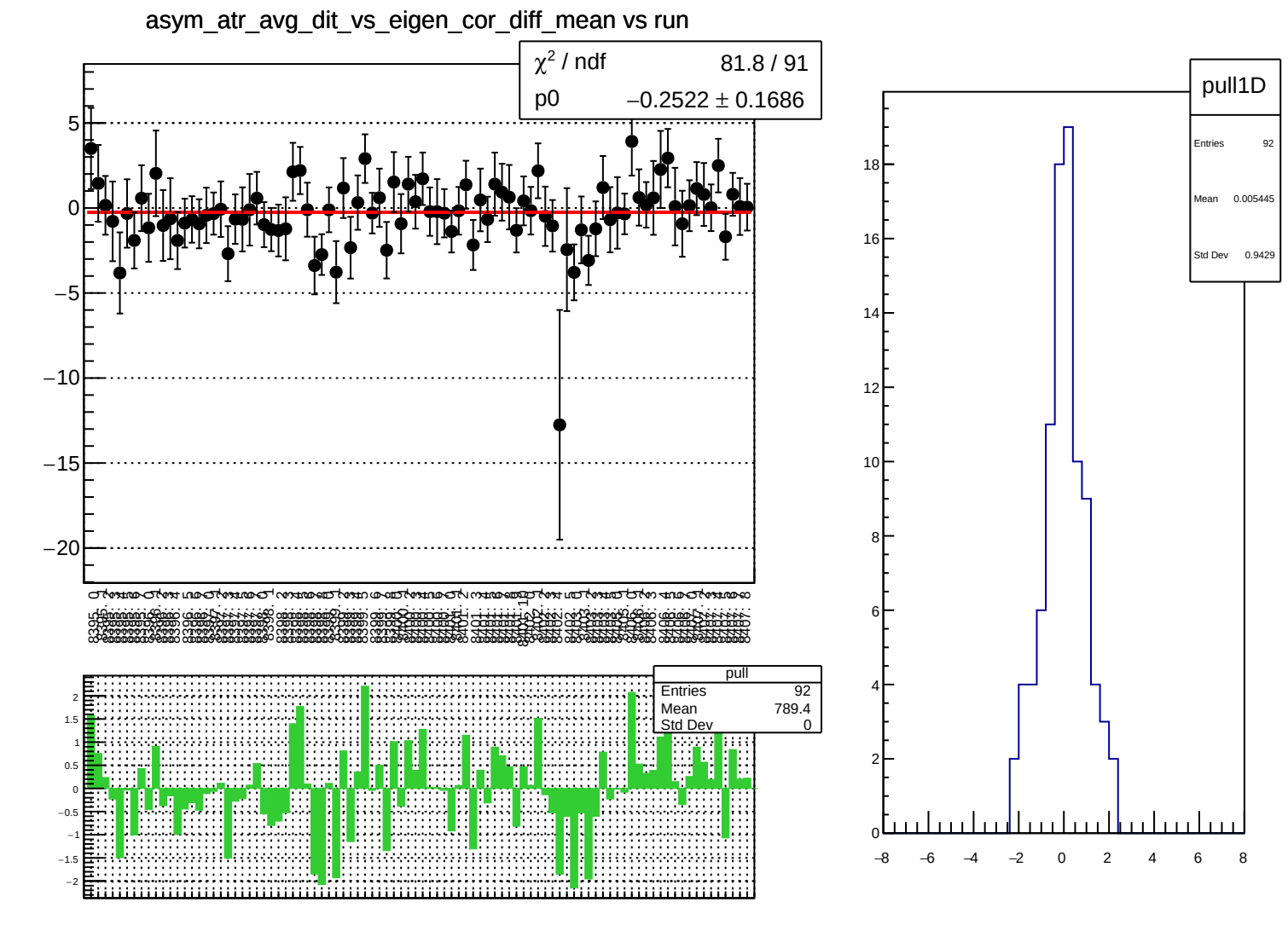

asym_atr_avg_rms vs run
χ² / ndf 7733 / 91
p0 7507 ± 5.731
9000
8500
8000
7500
7000

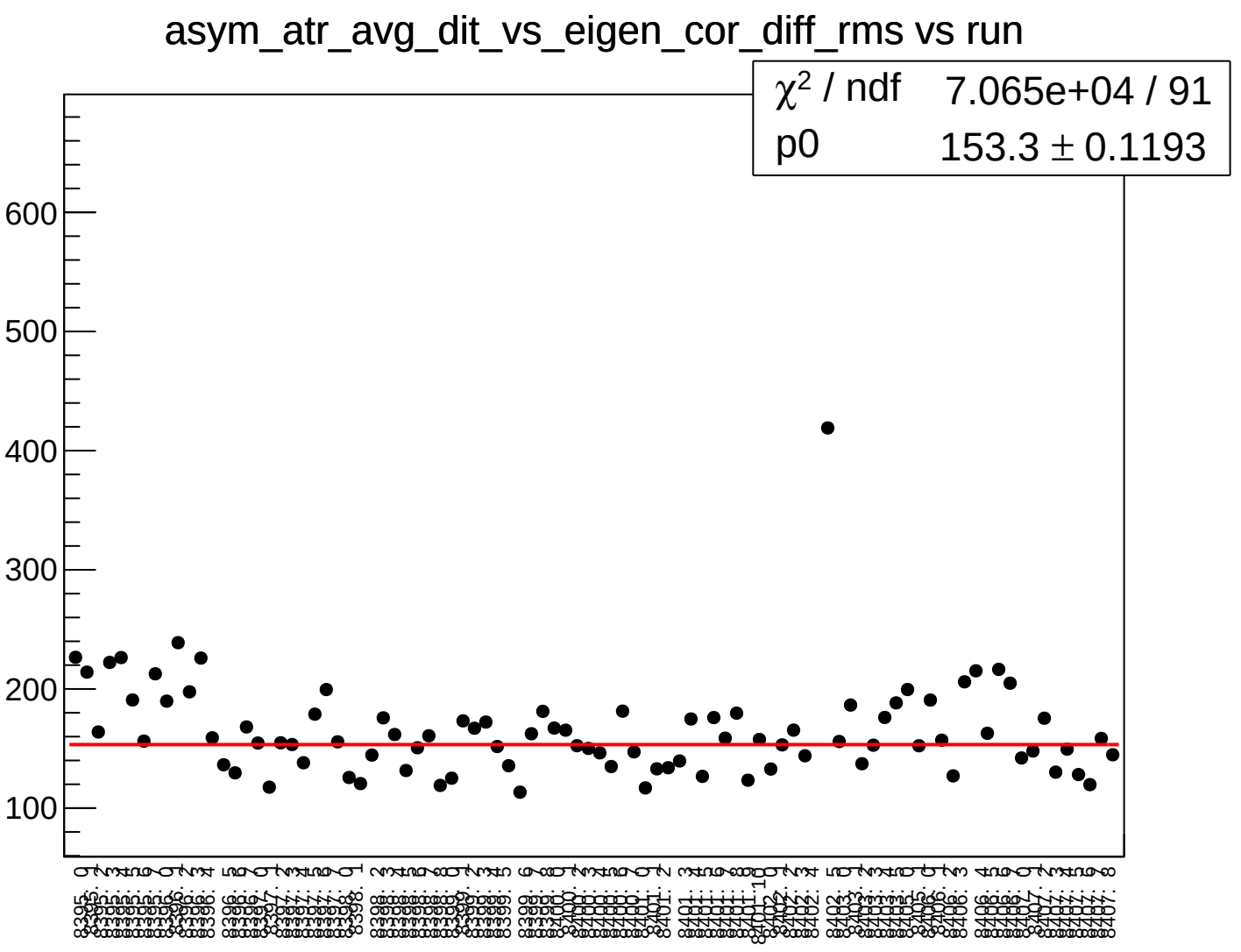

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.25 / 91
p0 4.91e−14 ± 8.192e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean 47.59
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.1066
Std Dev 0.951
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

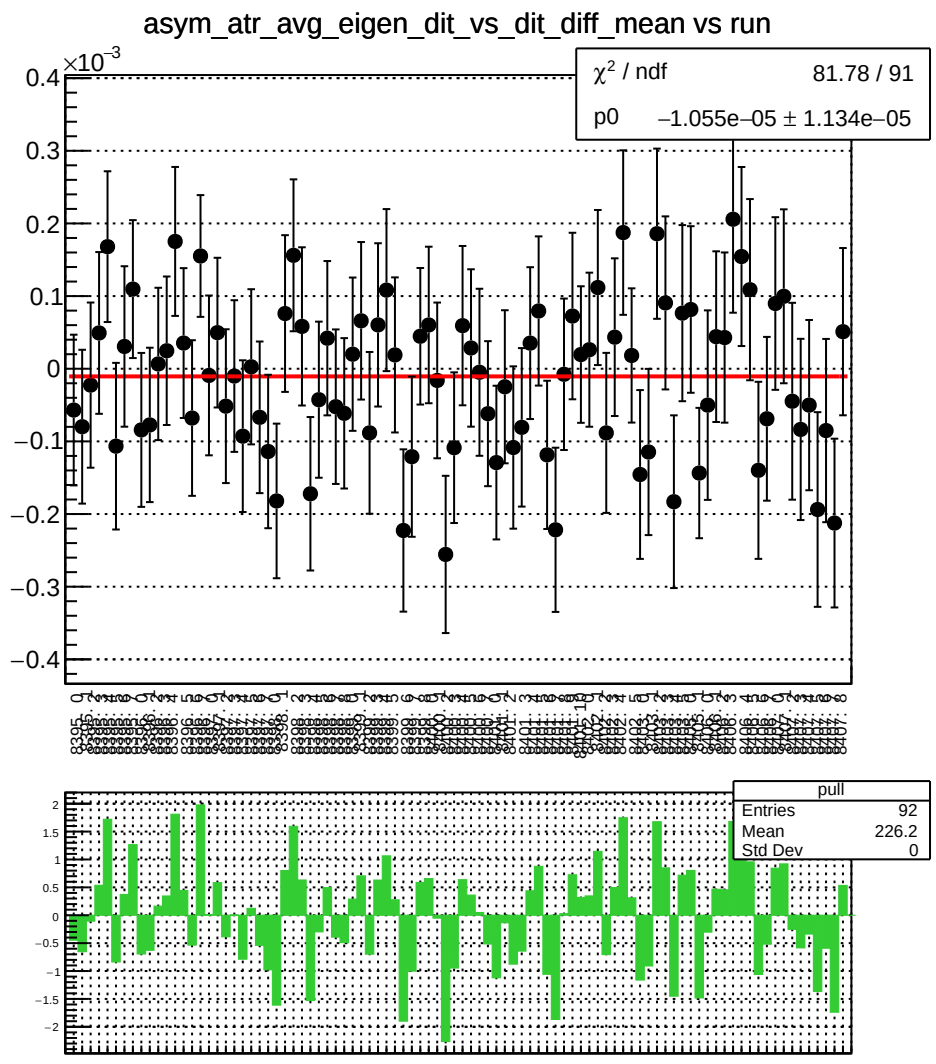

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.065e+06 / 91
p0 4.699e−10 ± 5.793e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

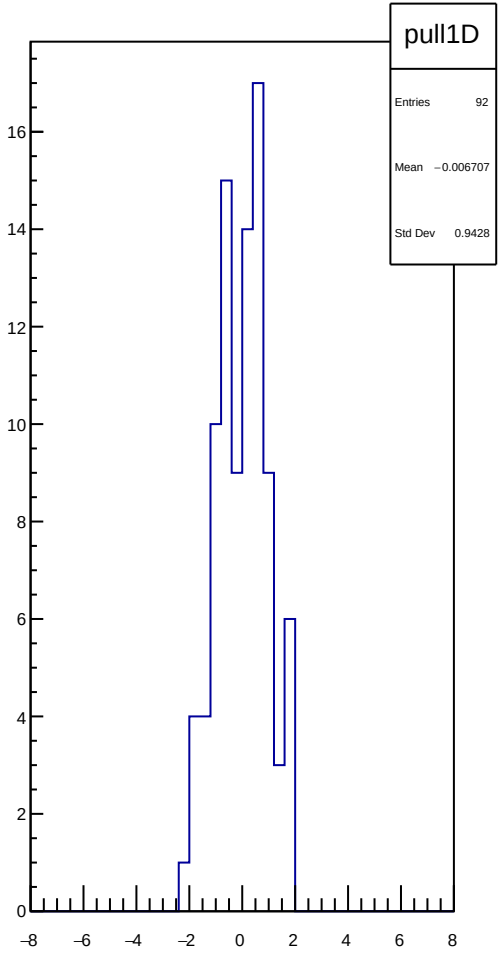

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 81.8 / 91
p0 −0.2522 ± 0.1686
pull
Entries 92
Mean 789.4
Std Dev 0
pull1D
Entries 92
Mean 0.005445
Std Dev 0.9429

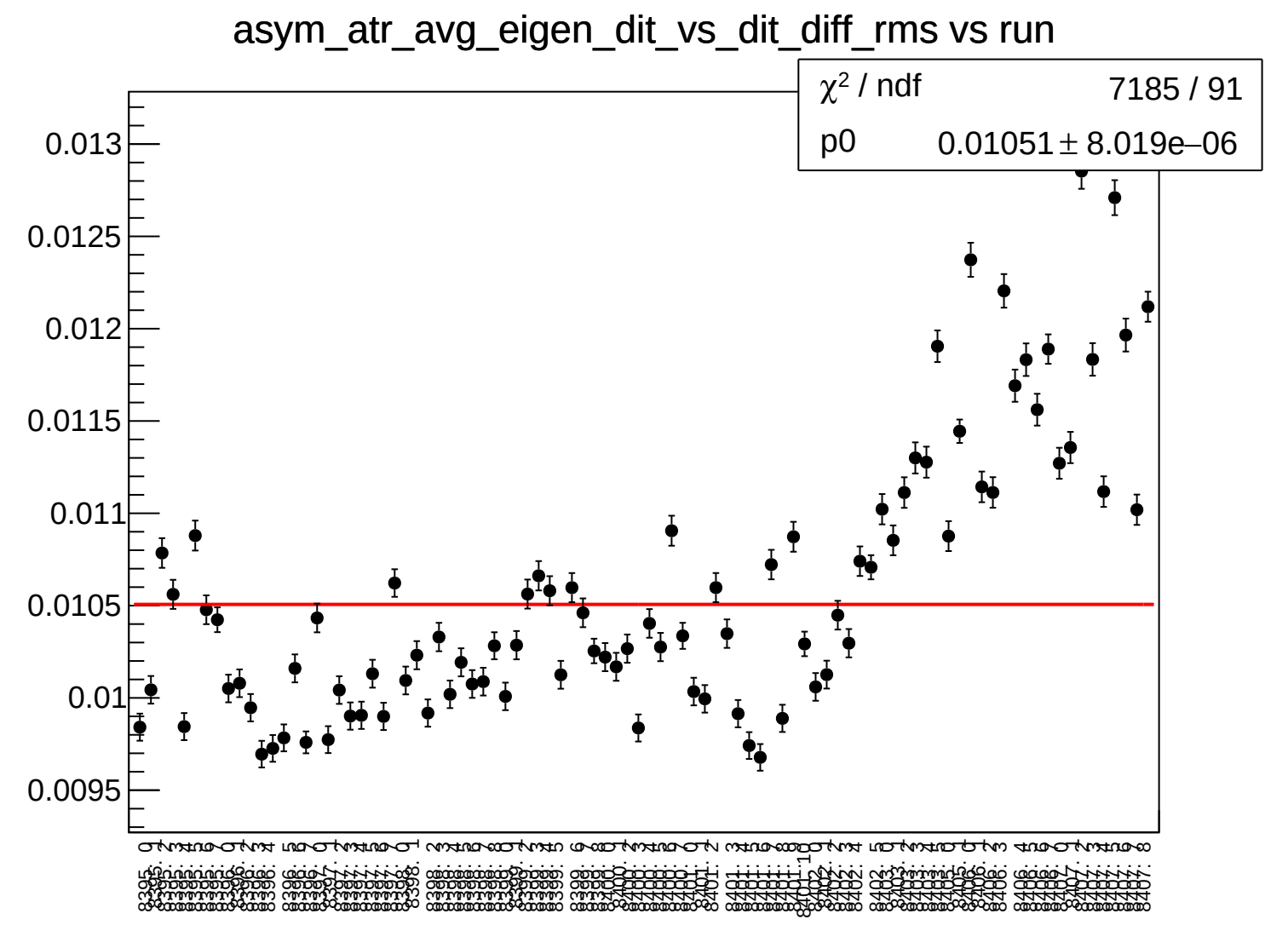

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.065e+04 / 91
p0 153.3 ± 0.1193
600
500
400
300
200
100

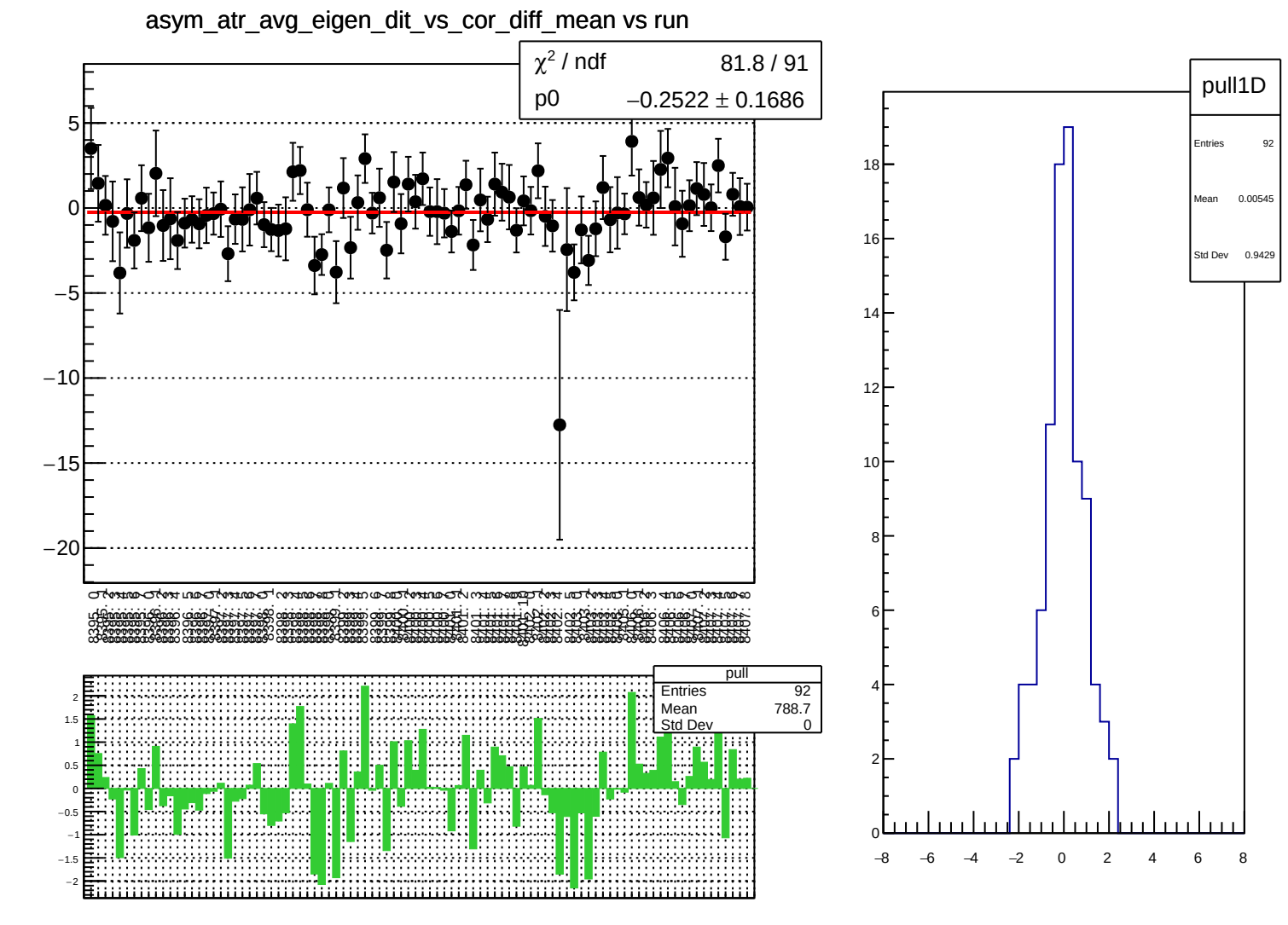

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.8 / 91
p0 −0.2522 ± 0.1686
pull
Entries 92
Mean 789.4
Std Dev 0
pull1D
Entries 92
Mean 0.005445
Std Dev 0.9429

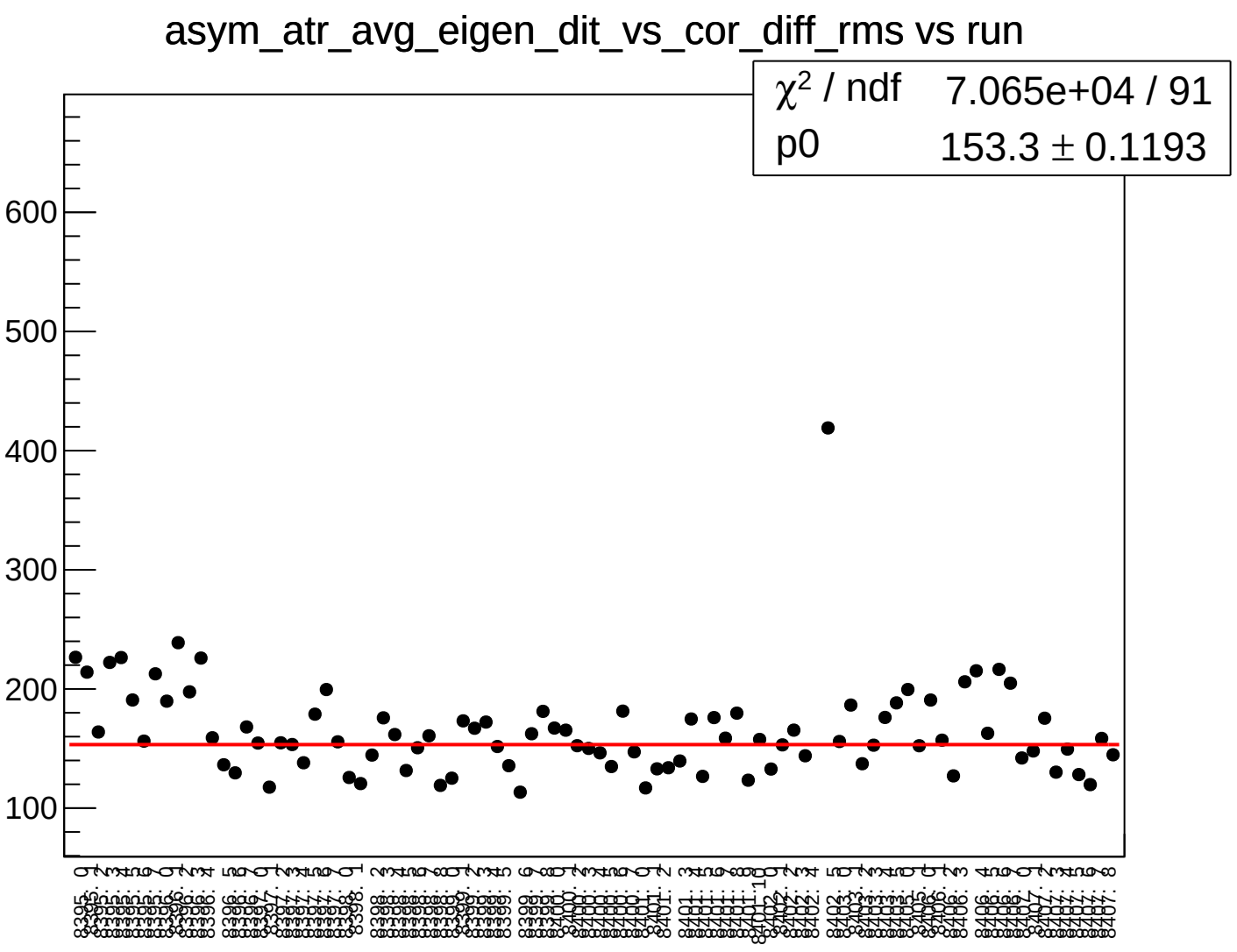

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.065e+04 / 91
p0 153.3 ± 0.1193
600
500
400
300
200
100

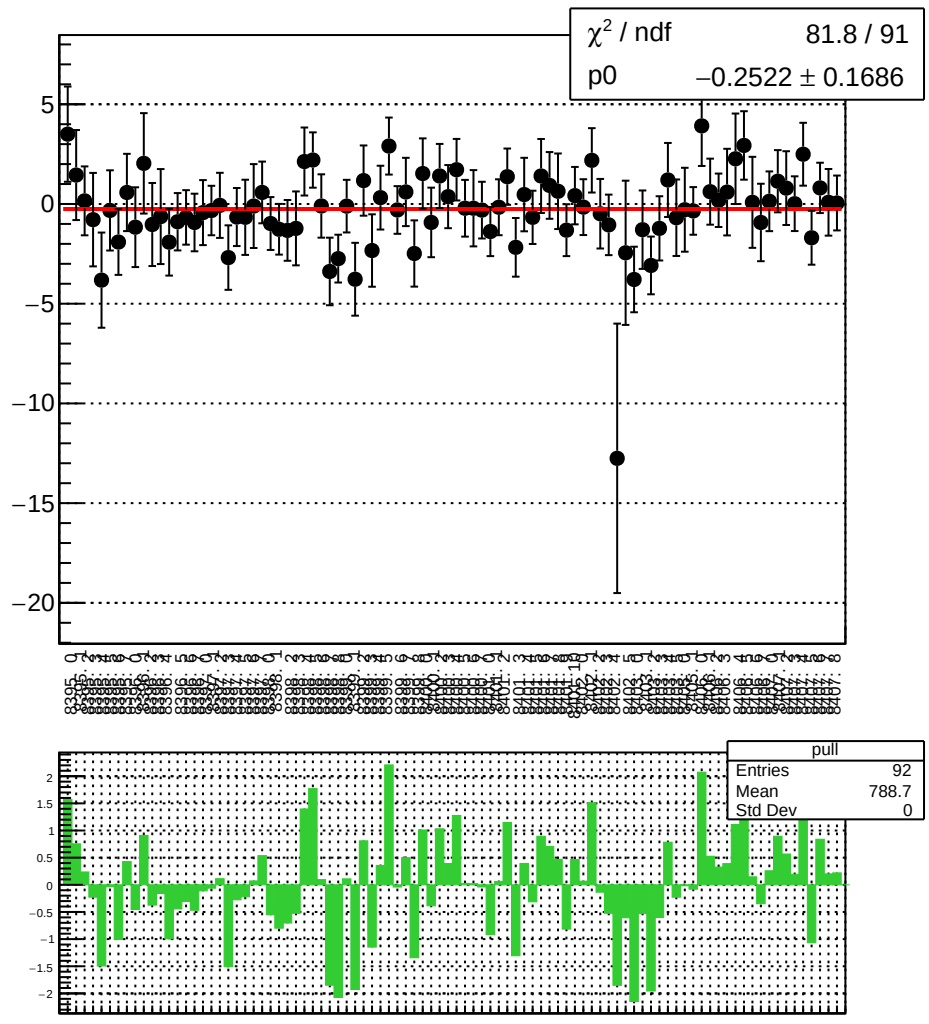

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.78 / 91
p0 −1.055e−05 ± 1.134e−05
pull
Entries 92
Mean 226.2
Std Dev 0

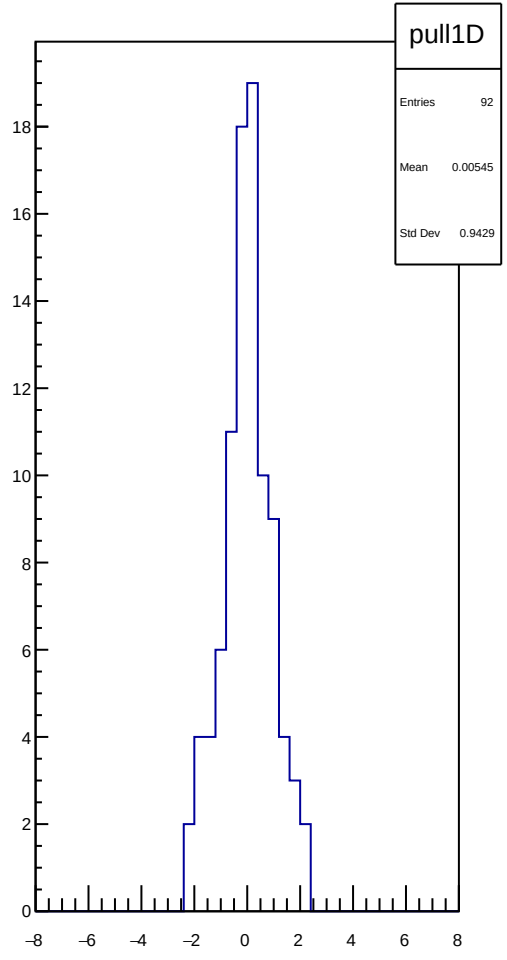

pull1D
Entries 92
Mean −0.006707
Std Dev 0.9428

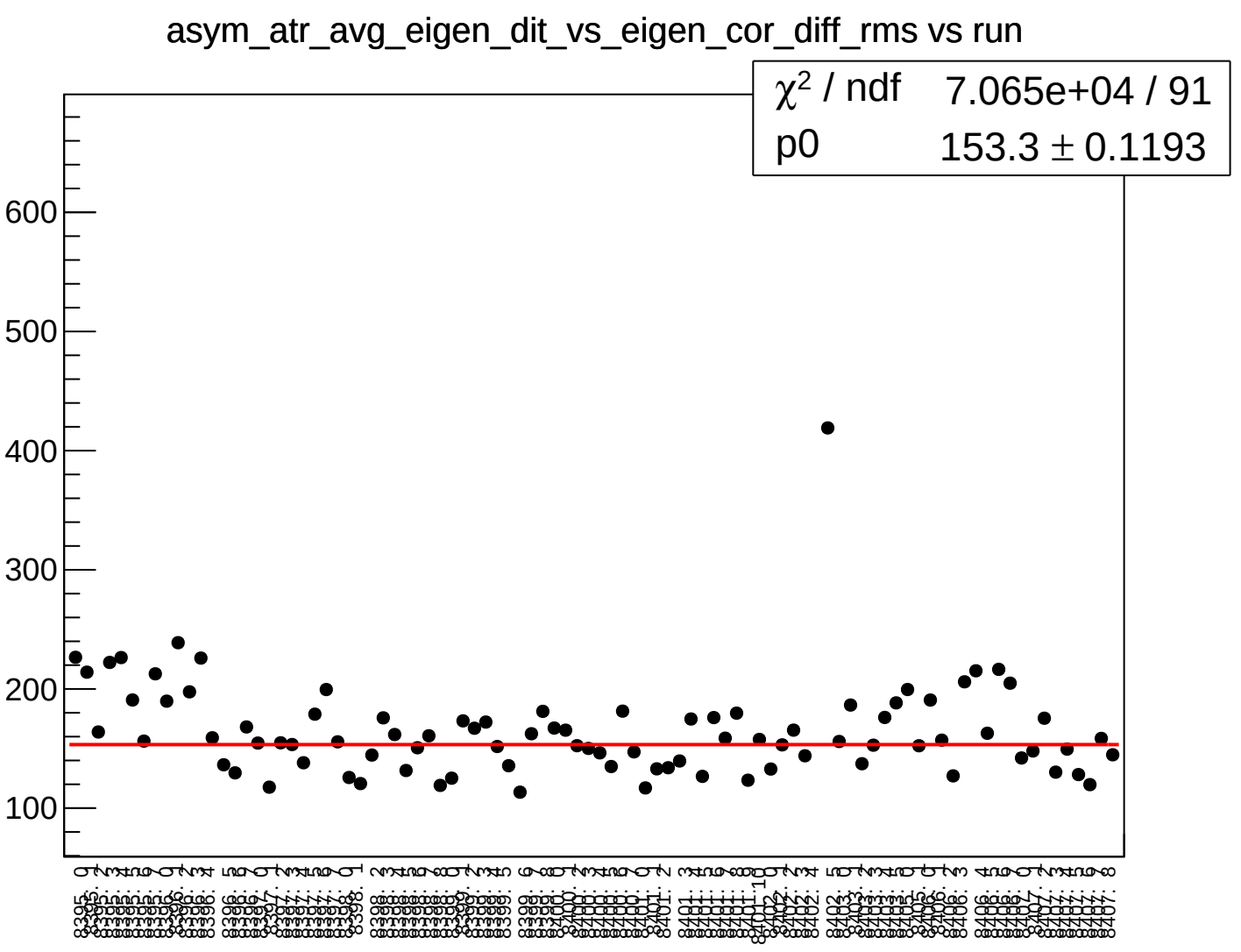

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7185 / 91
p0 0.01051 ± 8.019e−06
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

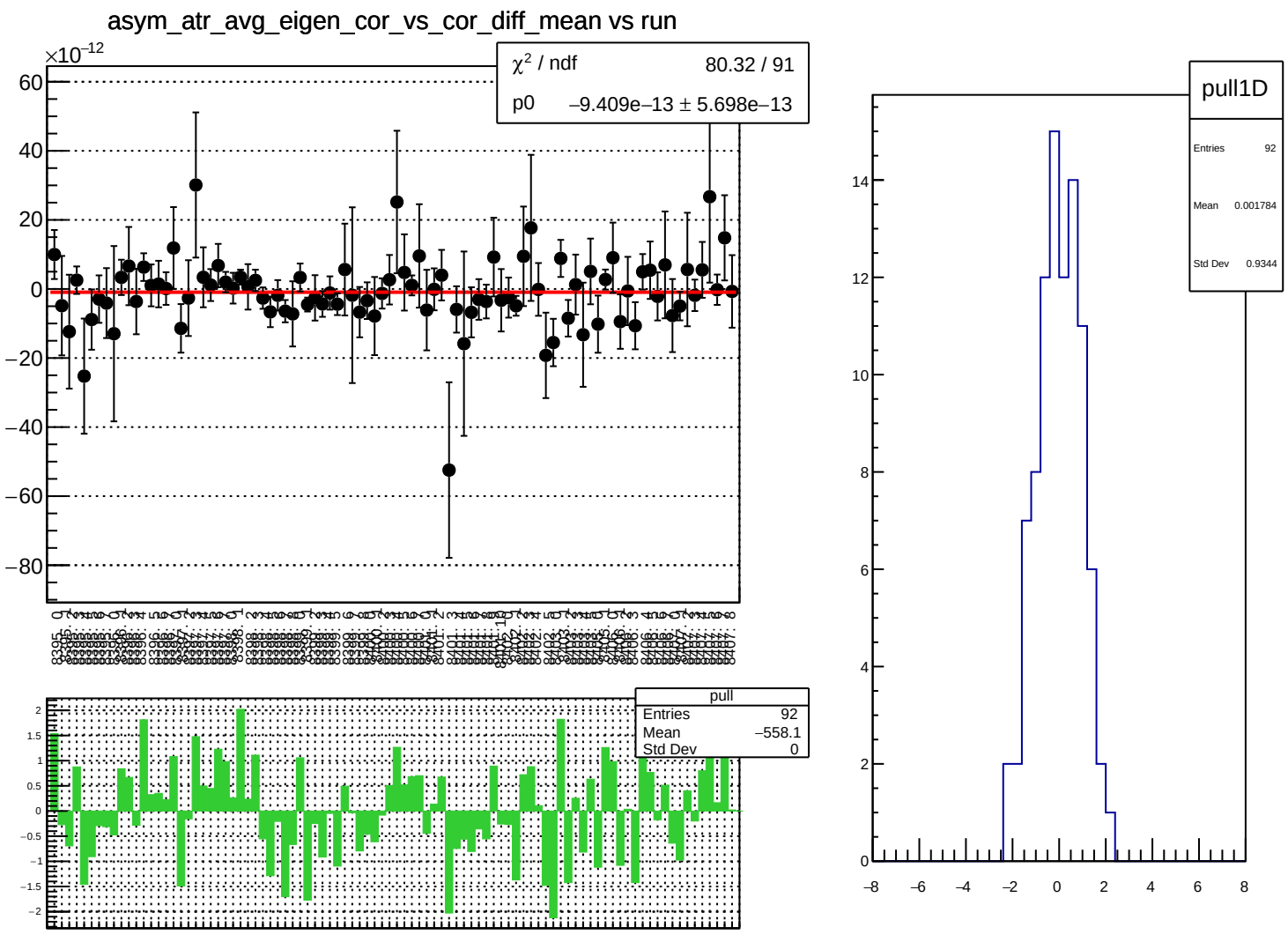

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.8 / 91
p0 −0.2522 ± 0.1686
pull
Entries 92
Mean 788.7
Std Dev 0
pull1D
Entries 92
Mean 0.00545
Std Dev 0.9429

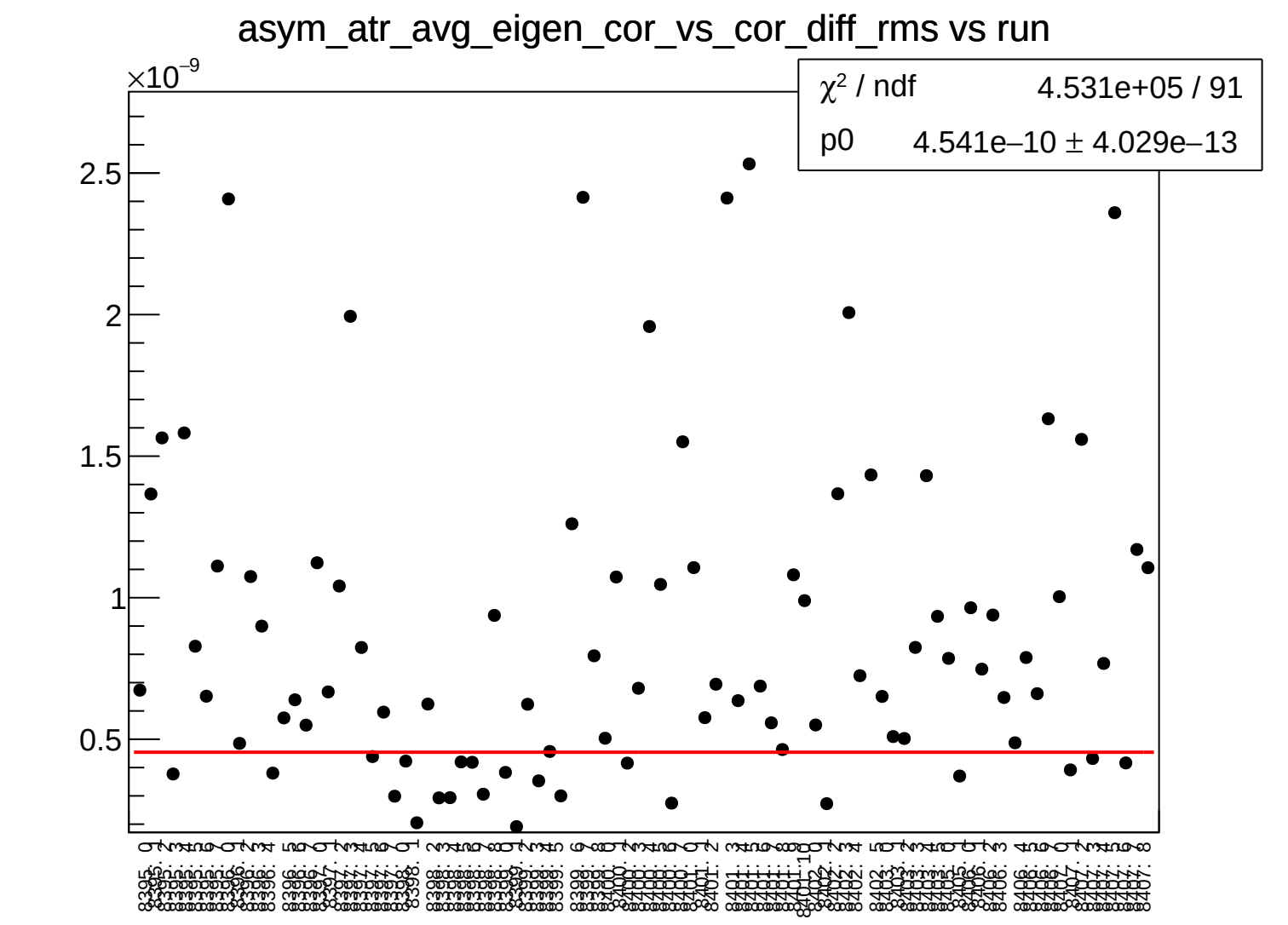

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.065e+04 / 91
p0 153.3 ± 0.1193
600
500
400
300
200
100

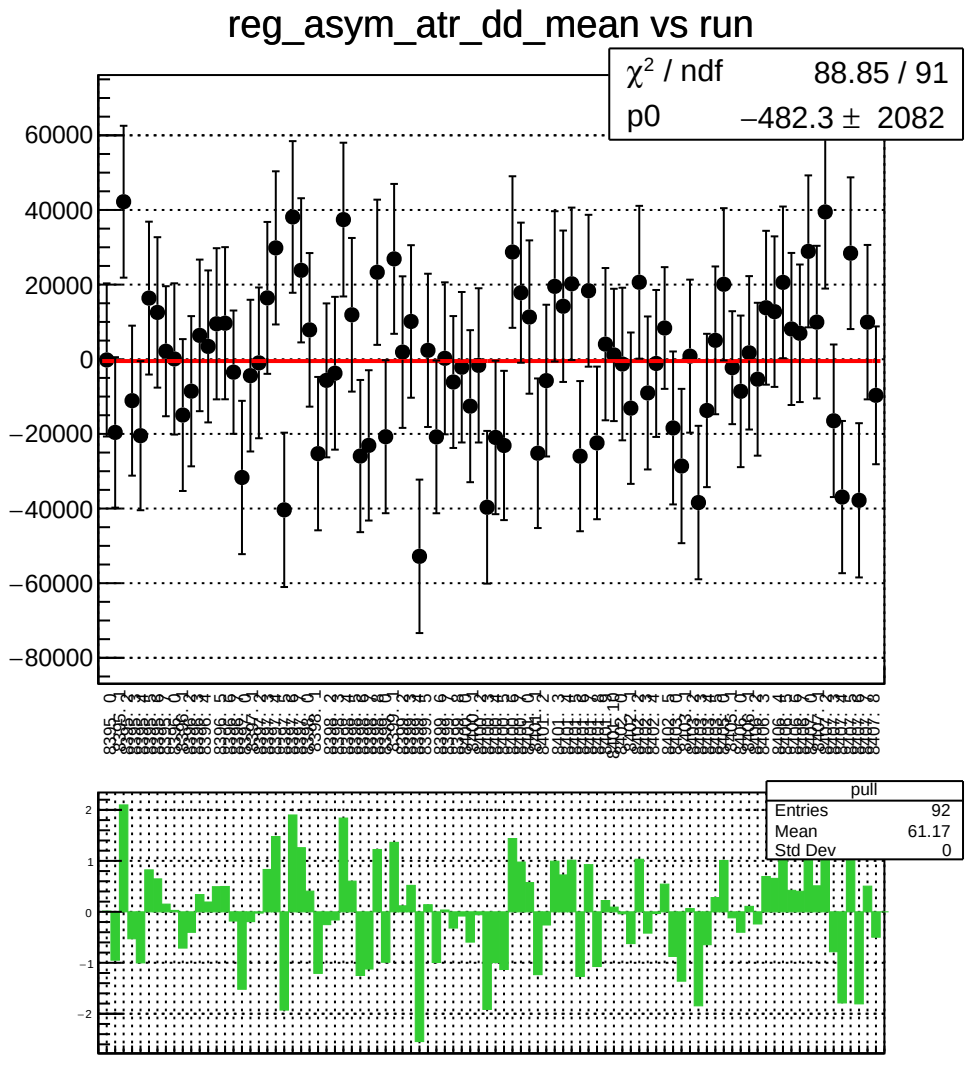

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.8 / 91
p0 −0.2522 ± 0.1686
pull
Entries 92
Mean 788.7
Std Dev 0

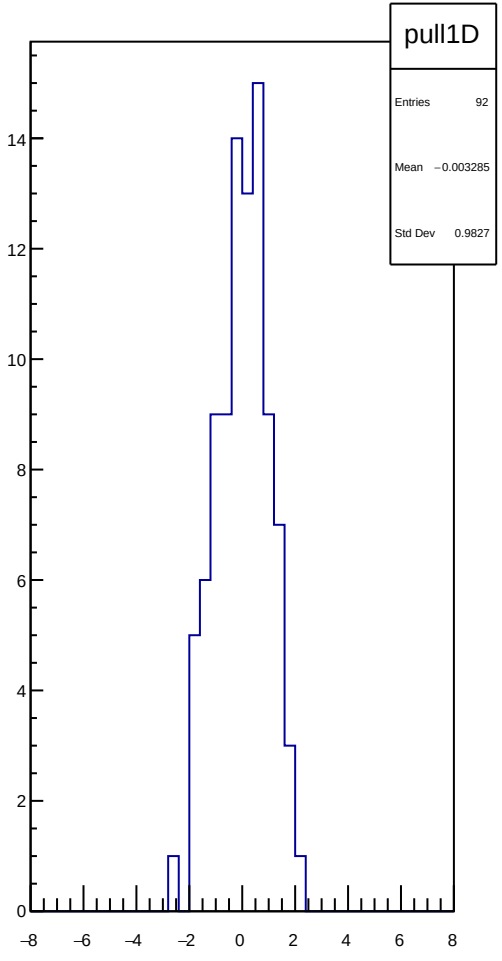

pull1D
Entries 92
Mean 0.00545
Std Dev 0.9429

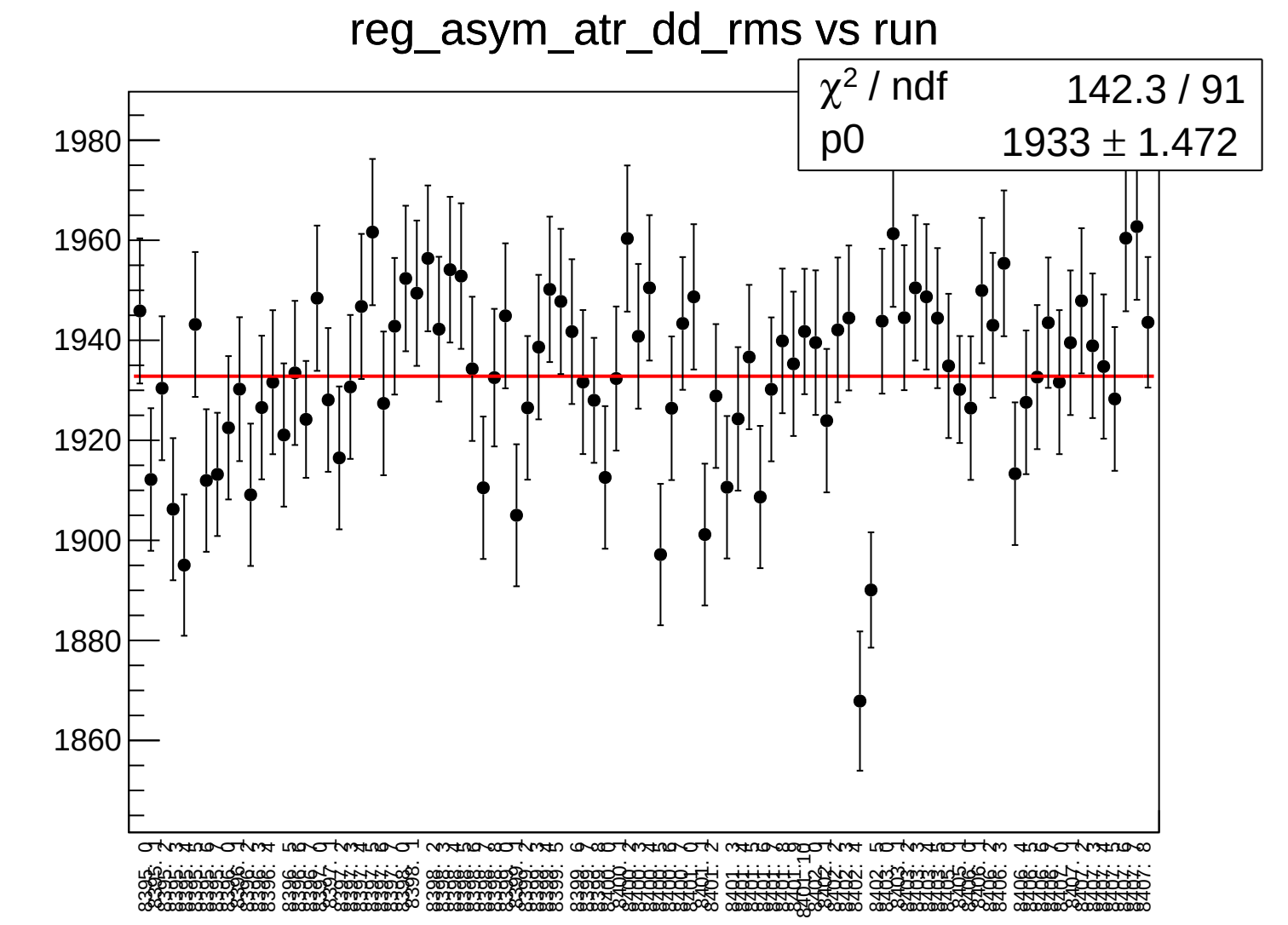

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.065e+04 / 91
p0 153.3 ± 0.1193
600
500
400
300
200
100

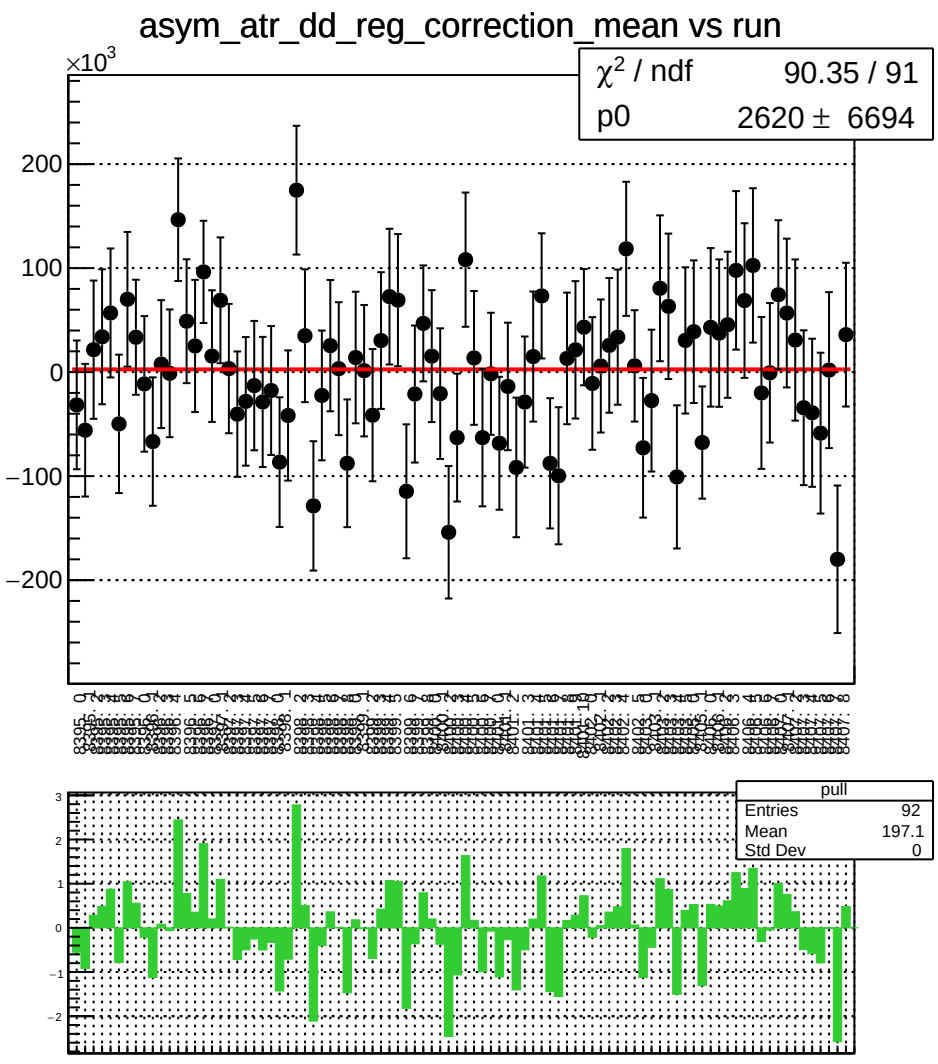

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 80.32 / 91
p0 −9.409e−13 ± 5.698e−13
pull
Entries 92
Mean −558.1
Std Dev 0
pull1D
Entries 92
Mean 0.001784
Std Dev 0.9344

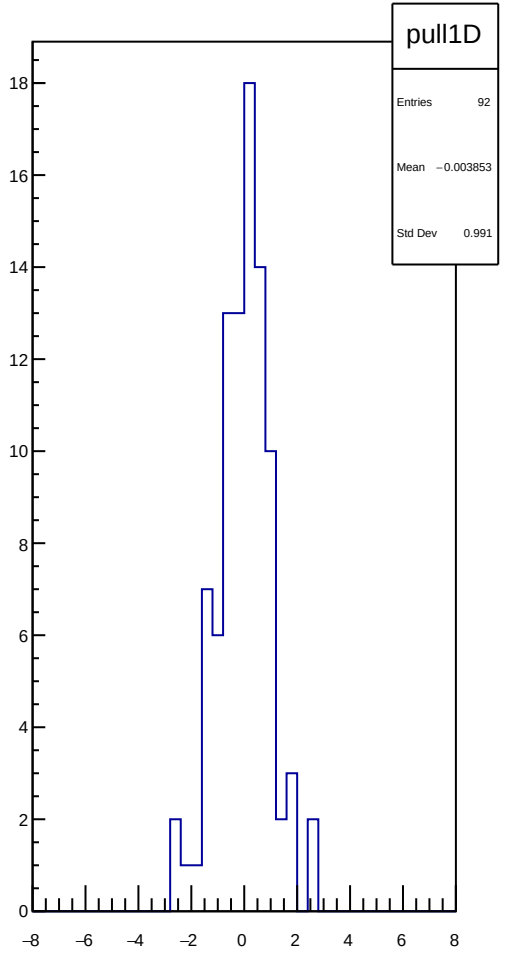

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.531e+05 / 91
p0 4.541e−10 ± 4.029e−13
2.5
2
1.5
1
0.5

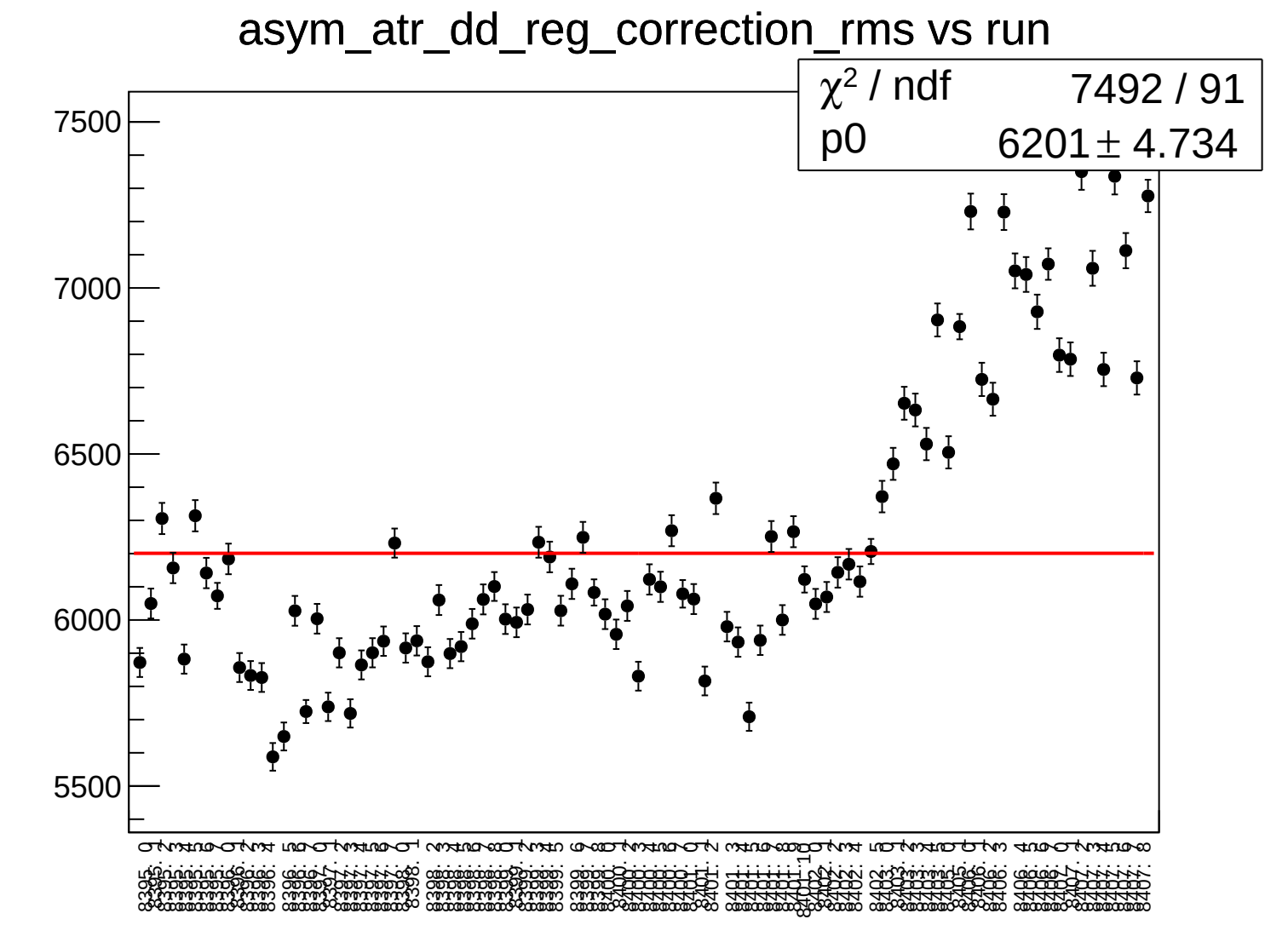

reg_asym_atr_dd_mean vs run
χ² / ndf 88.85 / 91
p0 −482.3 ± 2082
pull
Entries 92
Mean 61.17
Std Dev 0

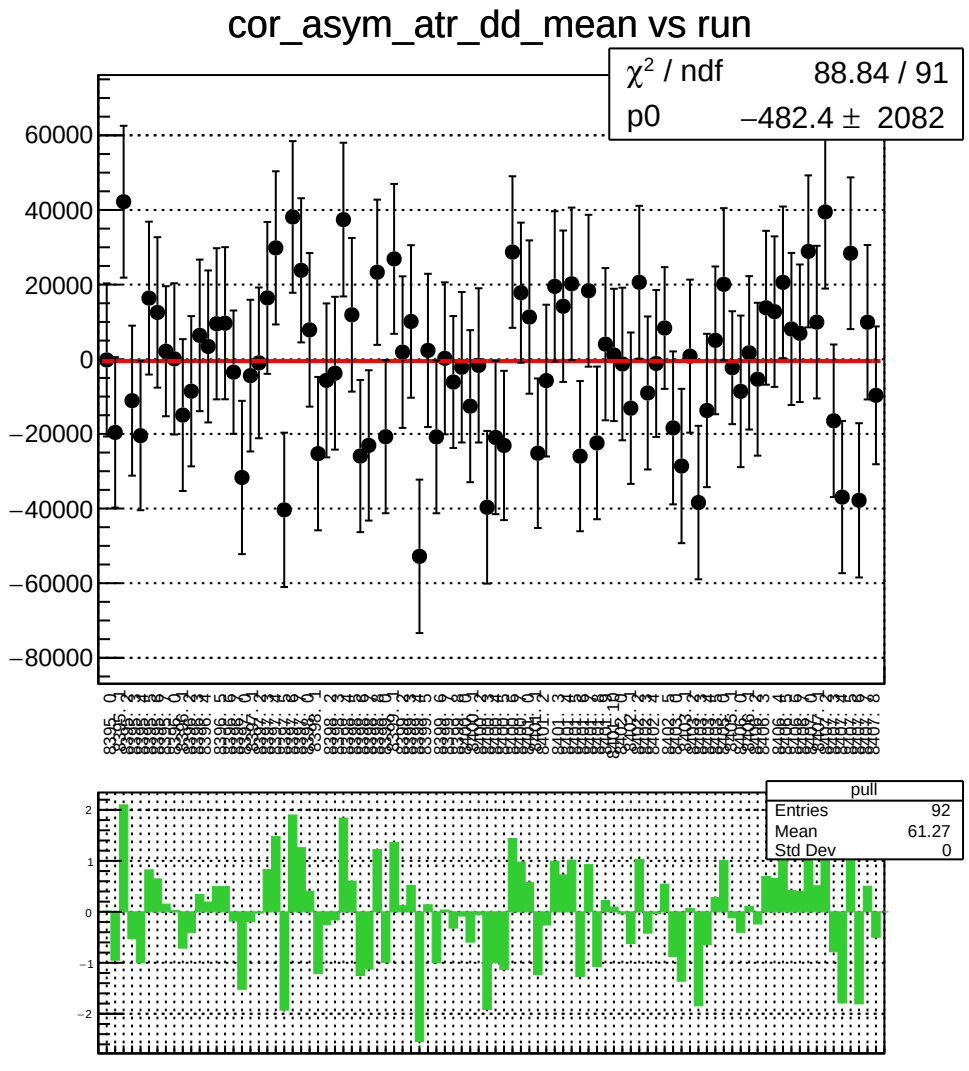

pull1D
Entries 92
Mean −0.003285
Std Dev 0.9827

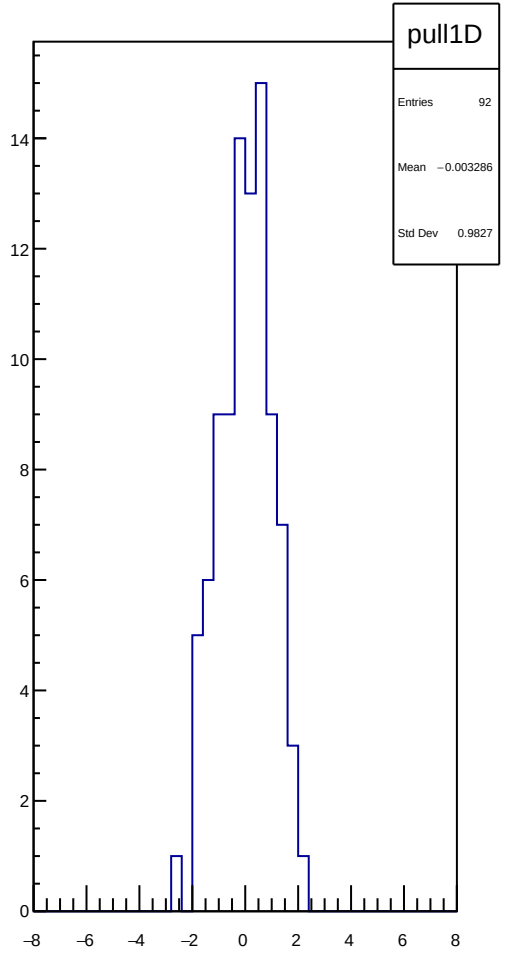

reg_asym_atr_dd_rms vs run
$\chi^2$ / ndf 142.3 / 91
p0 1933 ± 1.472
1980
1960
1940
1920
1900
1880
1860

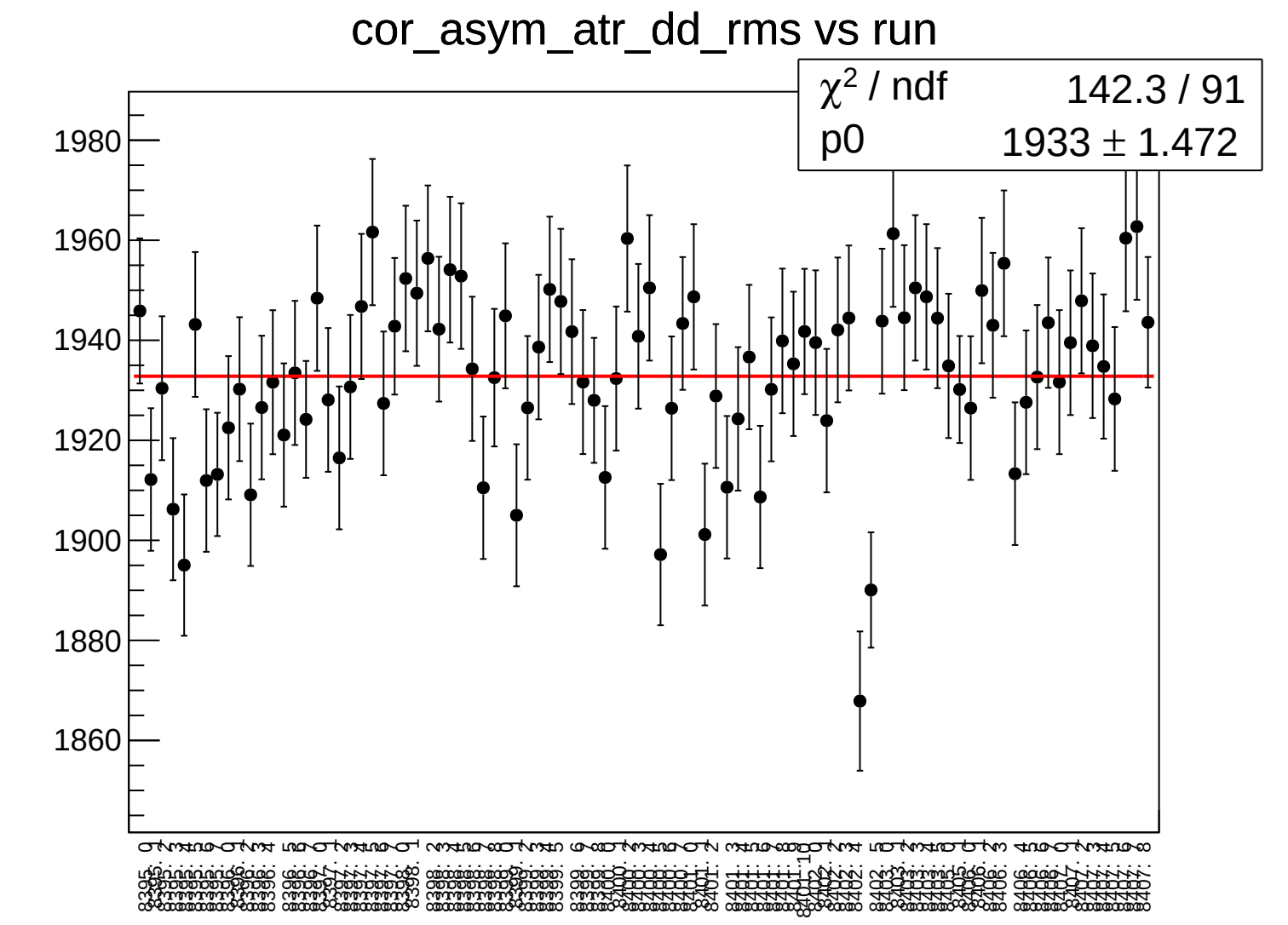

asym_atr_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 90.35 / 91
p0 2620 ± 6694
200
100
0
−100
−200
pull
Entries 92
Mean 197.1
Std Dev 0
3
2
1
0
−1
−2

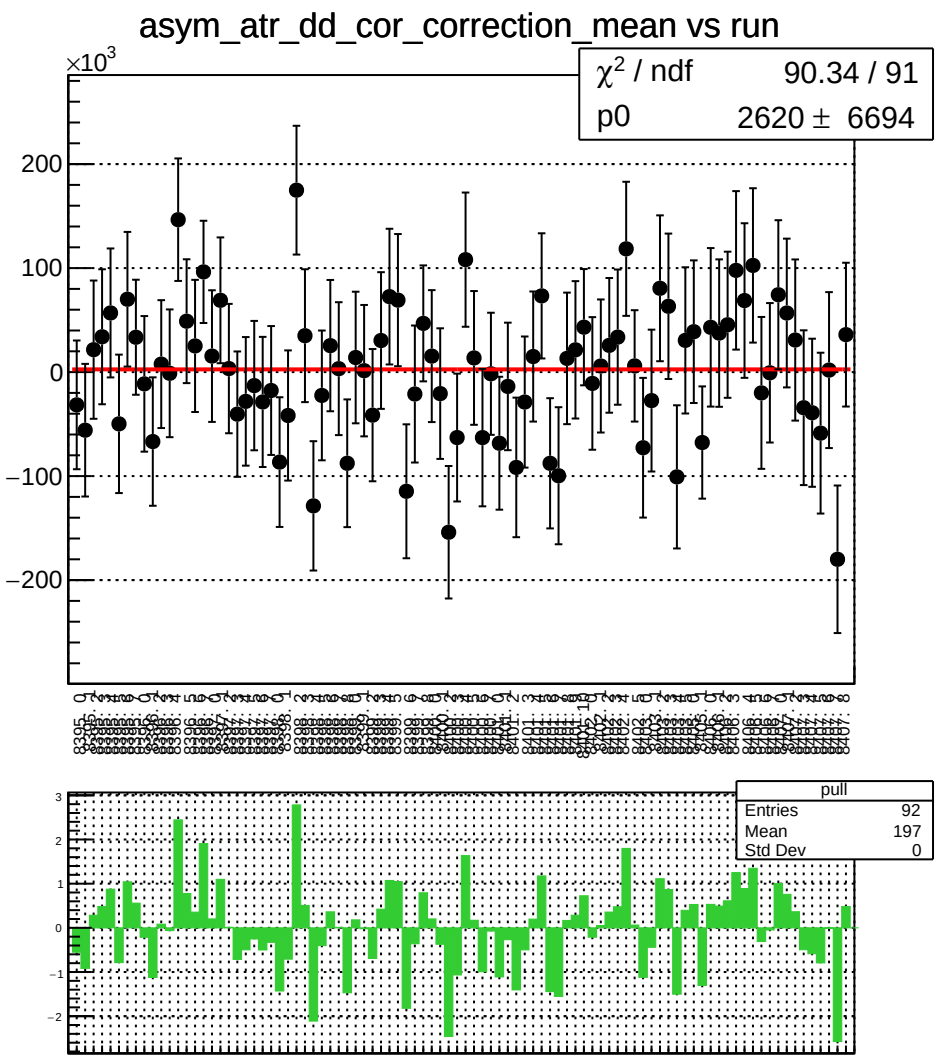

pull1D
Entries 92
Mean −0.003853
Std Dev 0.991
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

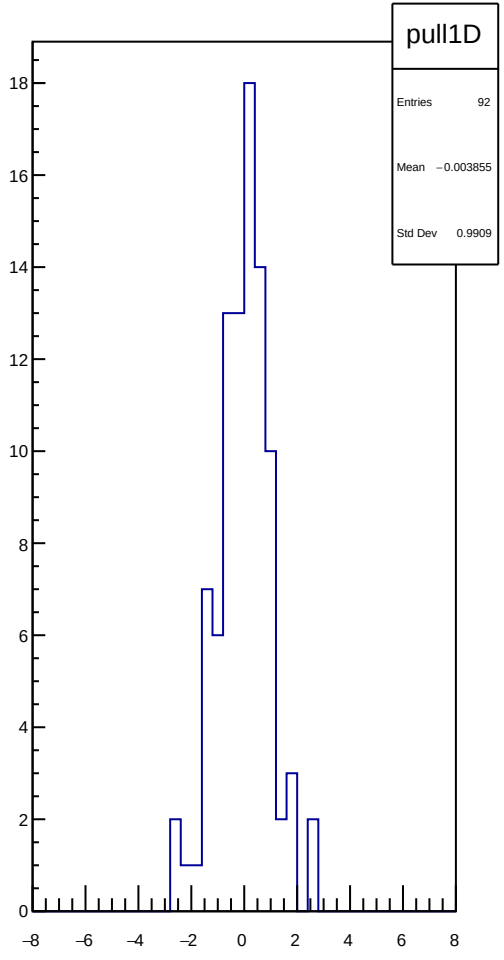

asym_atr_dd_reg_correction_rms vs run
$\chi^2$ / ndf 7492 / 91
p0 6201 ± 4.734
7500
7000
6500
6000
5500

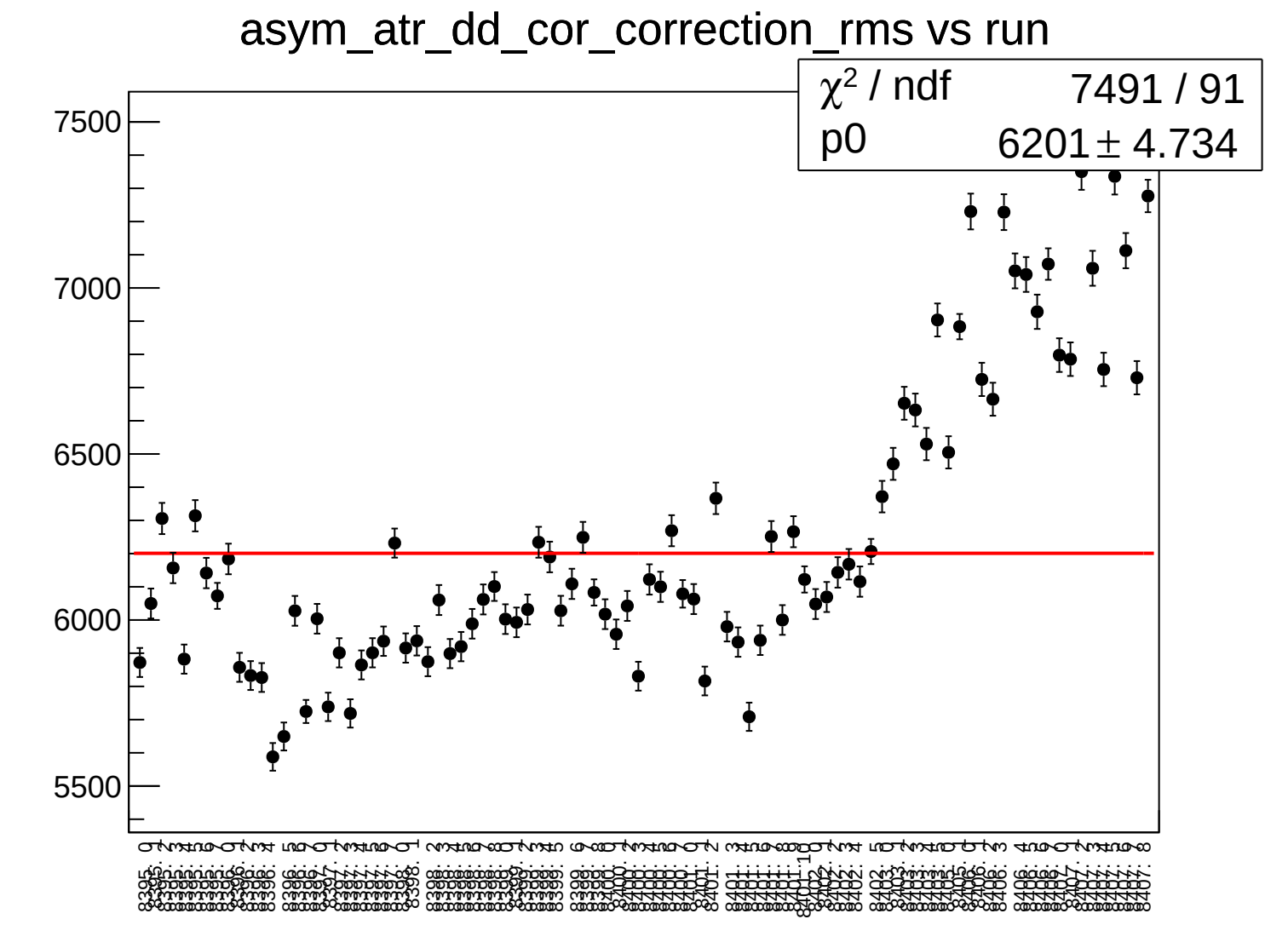

cor_asym_atr_dd_mean vs run
χ² / ndf 88.84 / 91
p0 −482.4 ± 2082
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 61.27
Std Dev 0
2
1
0
−1
−2

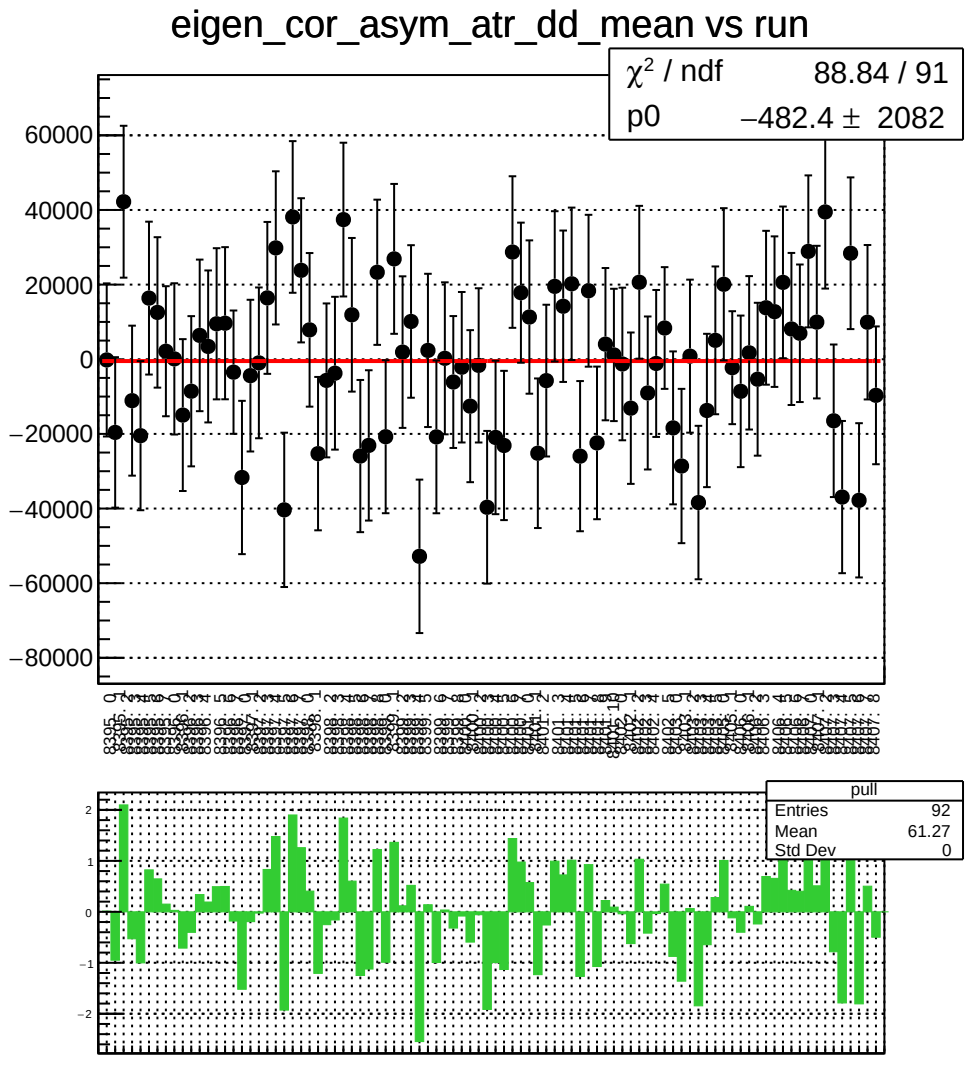

pull1D
Entries 92
Mean −0.003286
Std Dev 0.9827
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

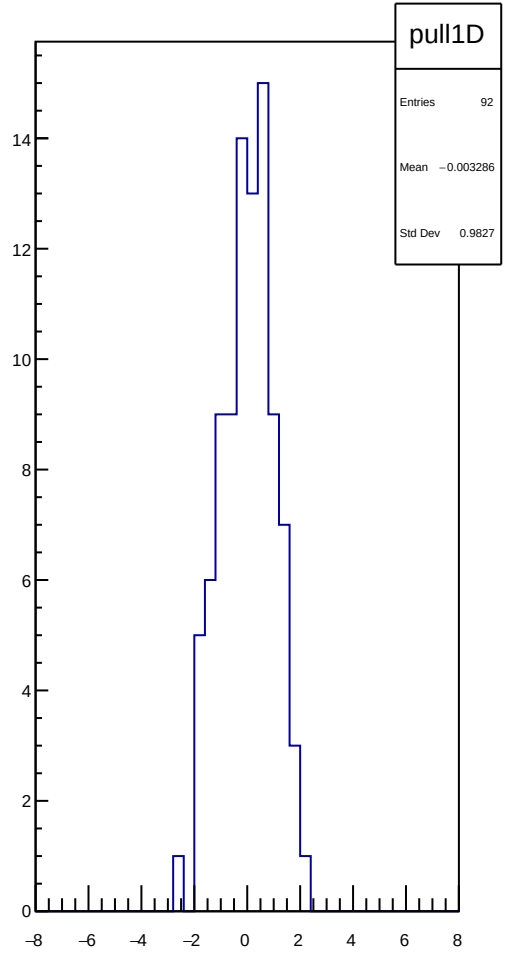

cor_asym_atr_dd_rms vs run
$\chi^2$ / ndf 142.3 / 91
p0 1933 ± 1.472
1980
1960
1940
1920
1900
1880
1860

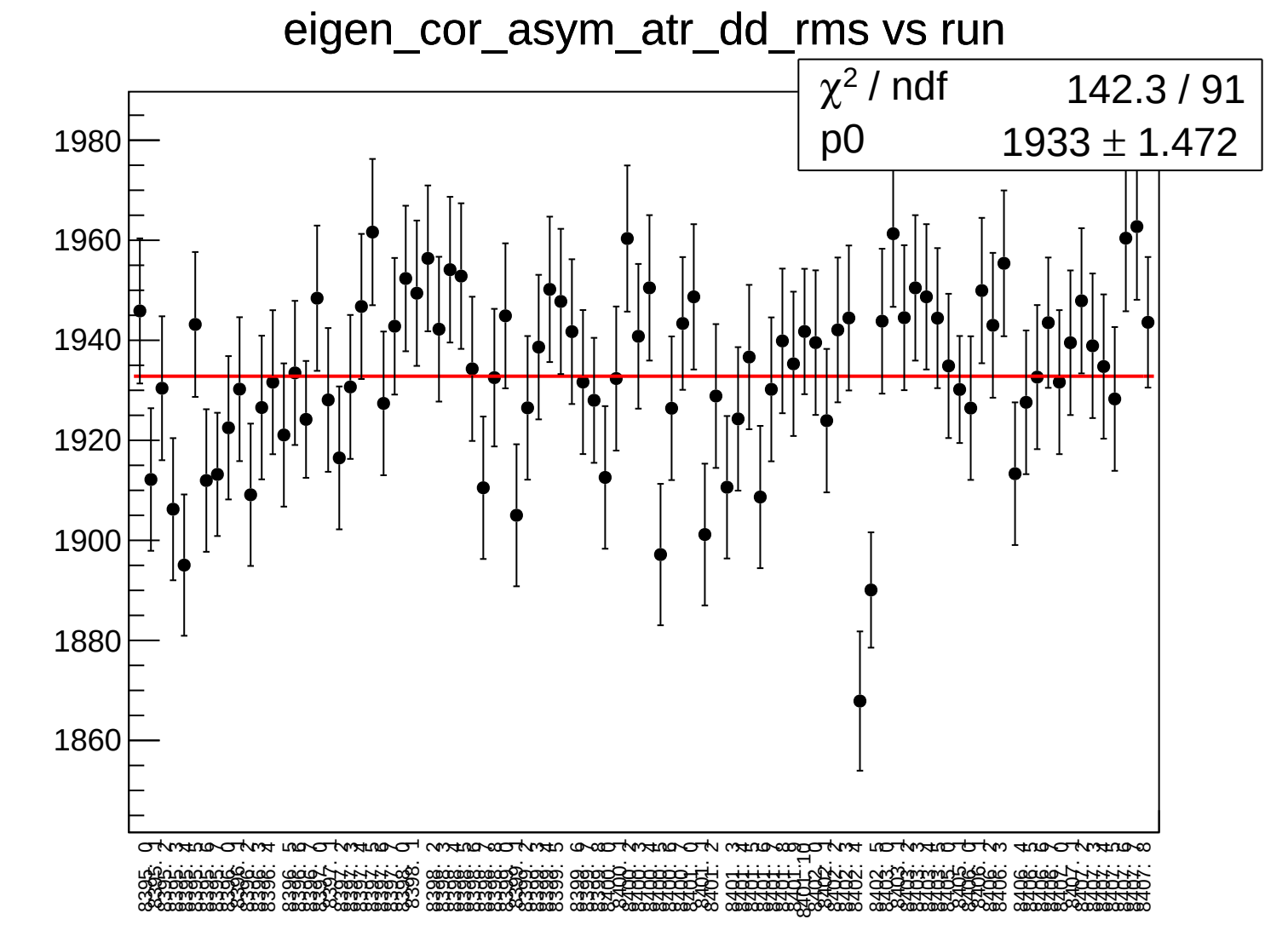

asym_atr_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 90.34 / 91
p0 2620 ± 6694
200
100
0
−100
−200
pull
Entries 92
Mean 197
Std Dev 0
3
2
1
0
−1
−2

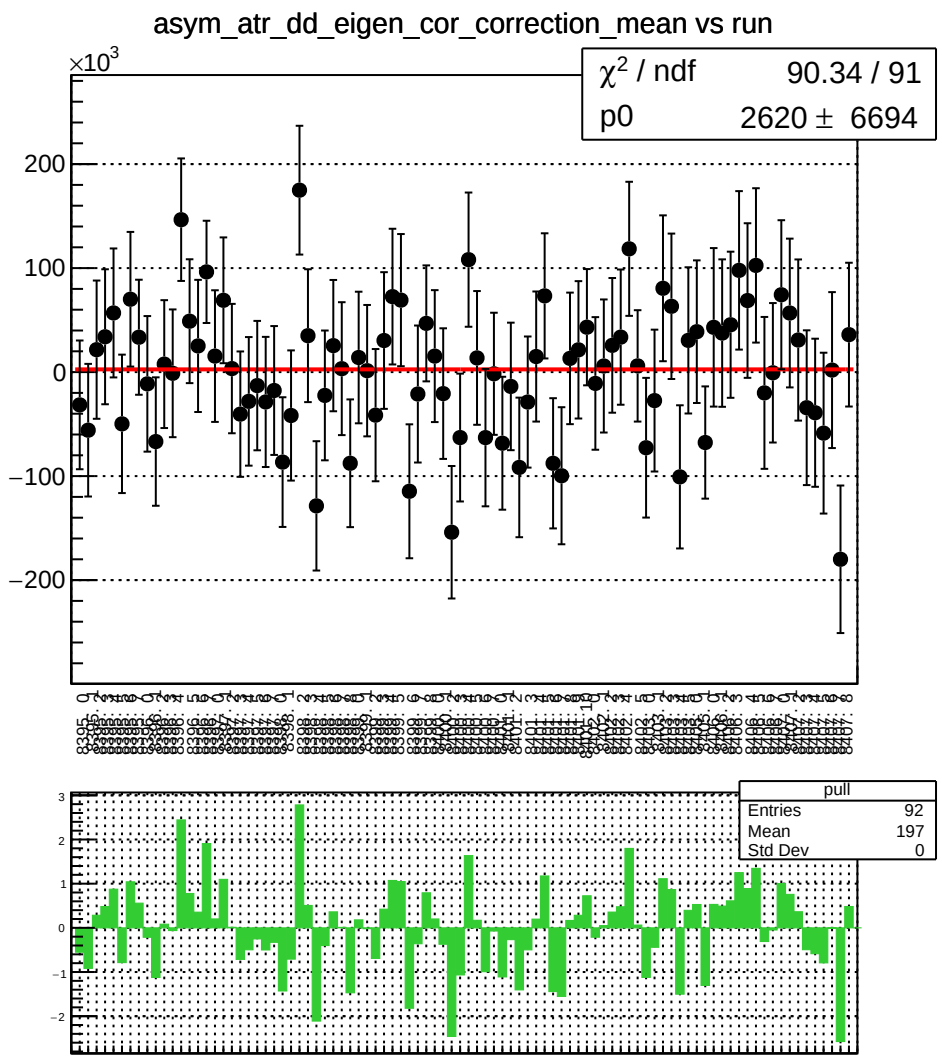

pull1D
Entries 92
Mean −0.003855
Std Dev 0.9909
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

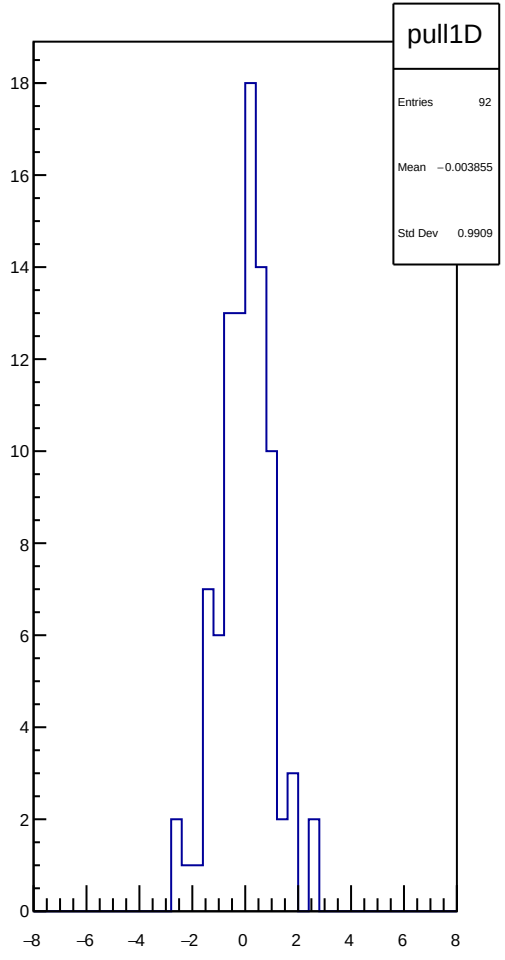

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 7491 / 91
p0 6201 ± 4.734
7500
7000
6500
6000
5500

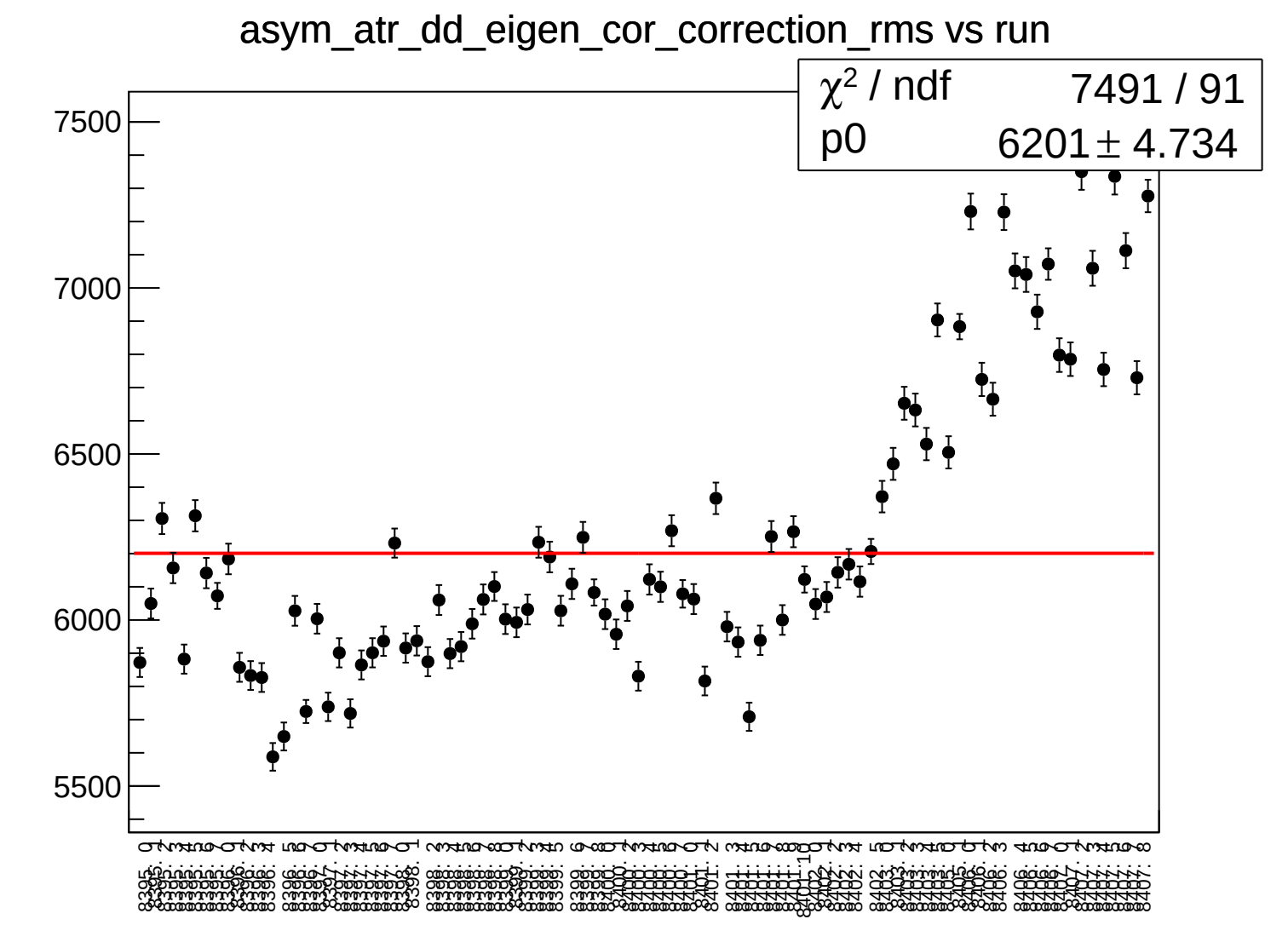

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 88.84 / 91
p0 −482.4 ± 2082
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 61.27
Std Dev 0
2
1
0
−1
−2

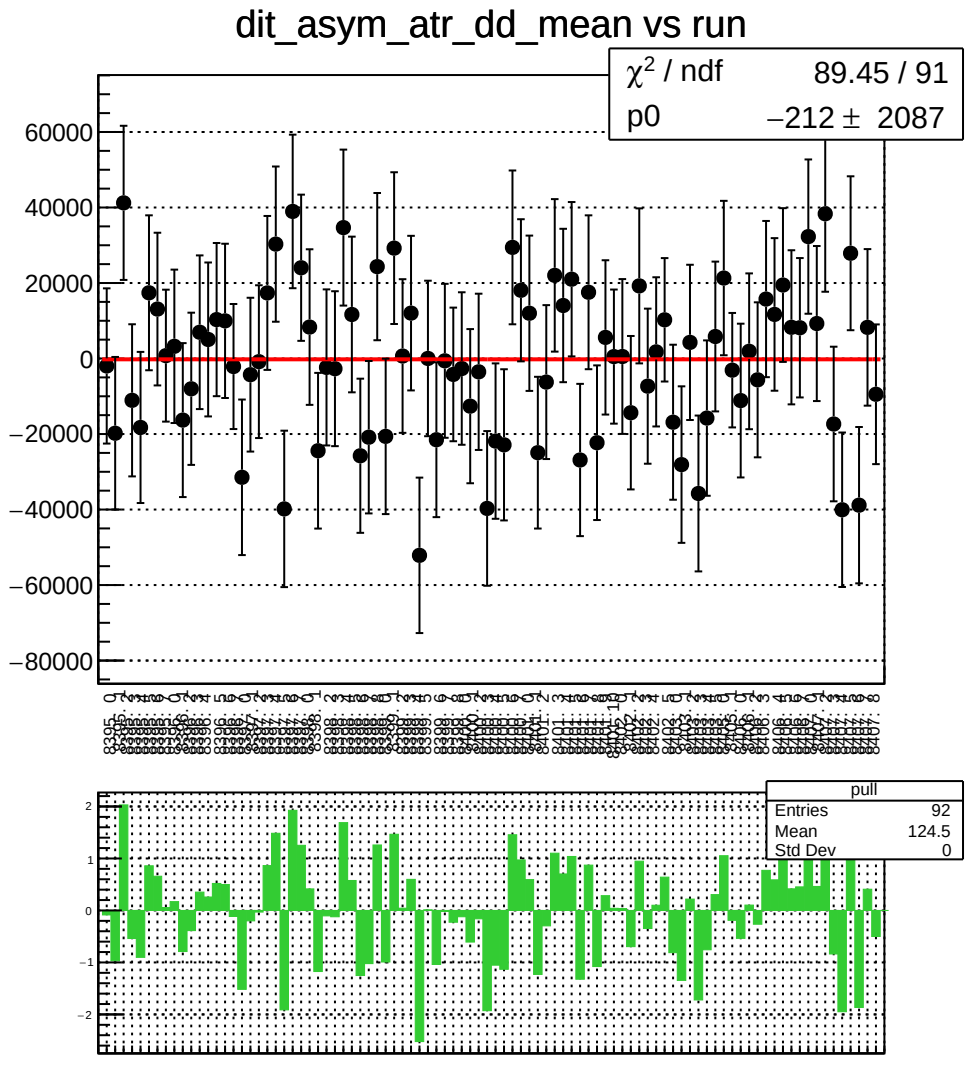

pull1D
Entries 92
Mean −0.003286
Std Dev 0.9827
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

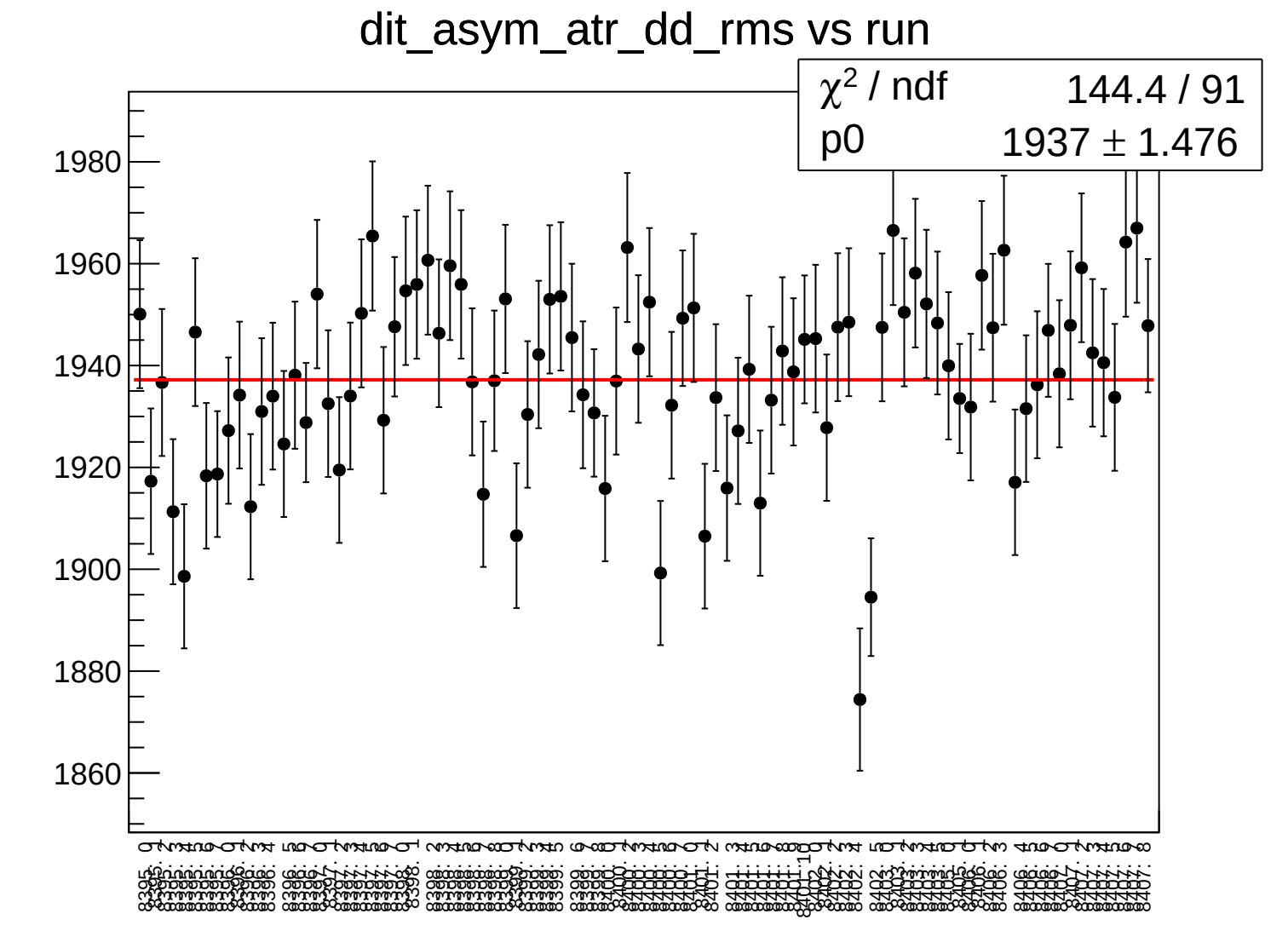

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 142.3 / 91
p0 1933 ± 1.472
1980
1960
1940
1920
1900
1880
1860

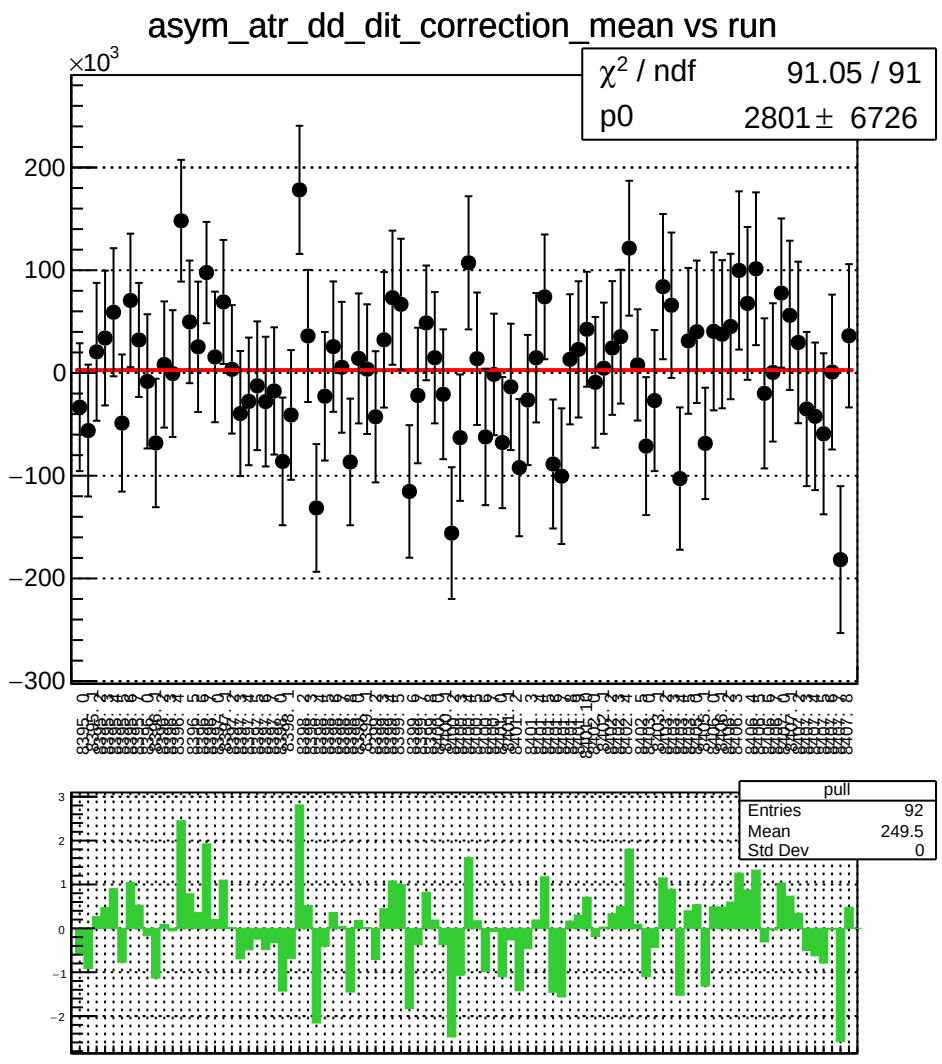

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 90.34 / 91
p0 2620 ± 6694
200
100
0
−100
−200
pull
Entries 92
Mean 197
Std Dev 0
3
2
1
0
−1
−2

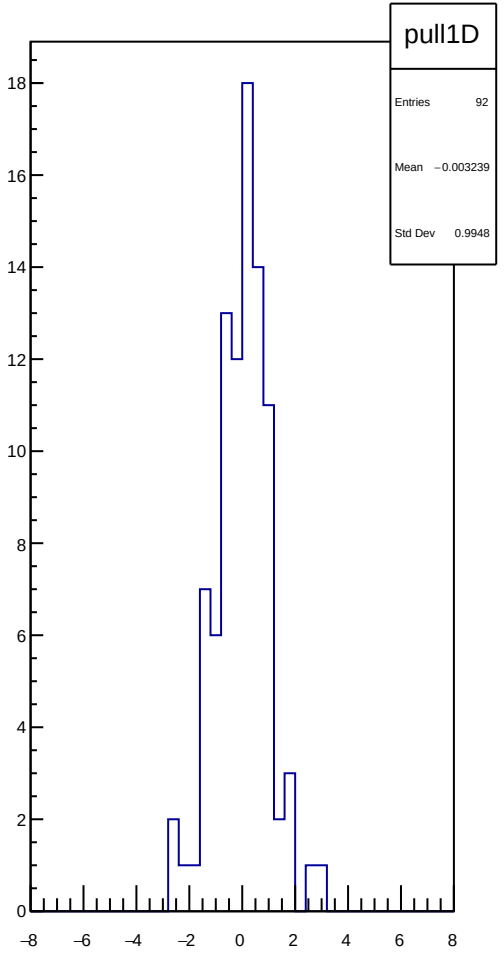

pull1D
Entries 92
Mean −0.003855
Std Dev 0.9909
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

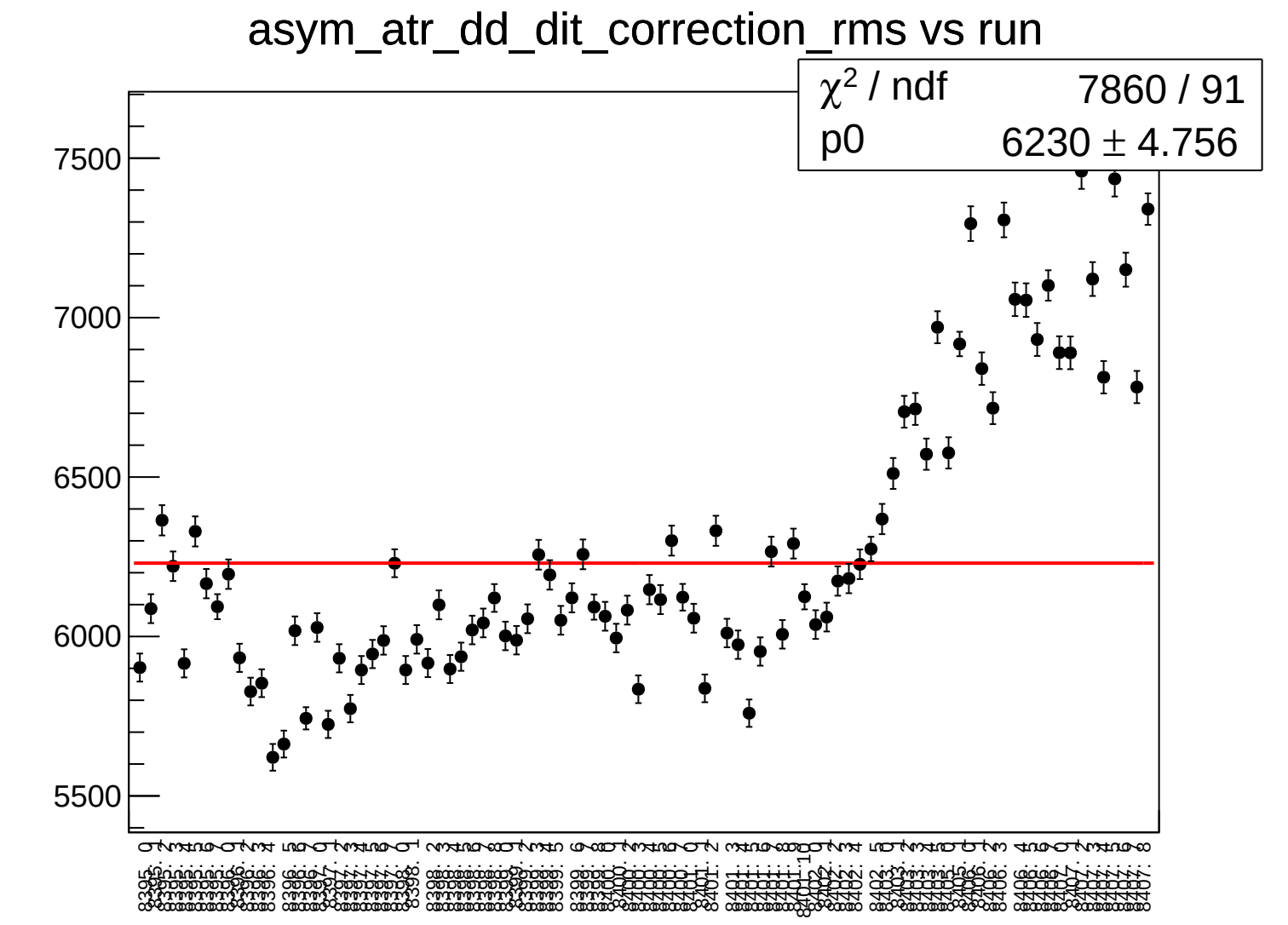

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 7491 / 91
p0 6201 ± 4.734
7500
7000
6500
6000
5500

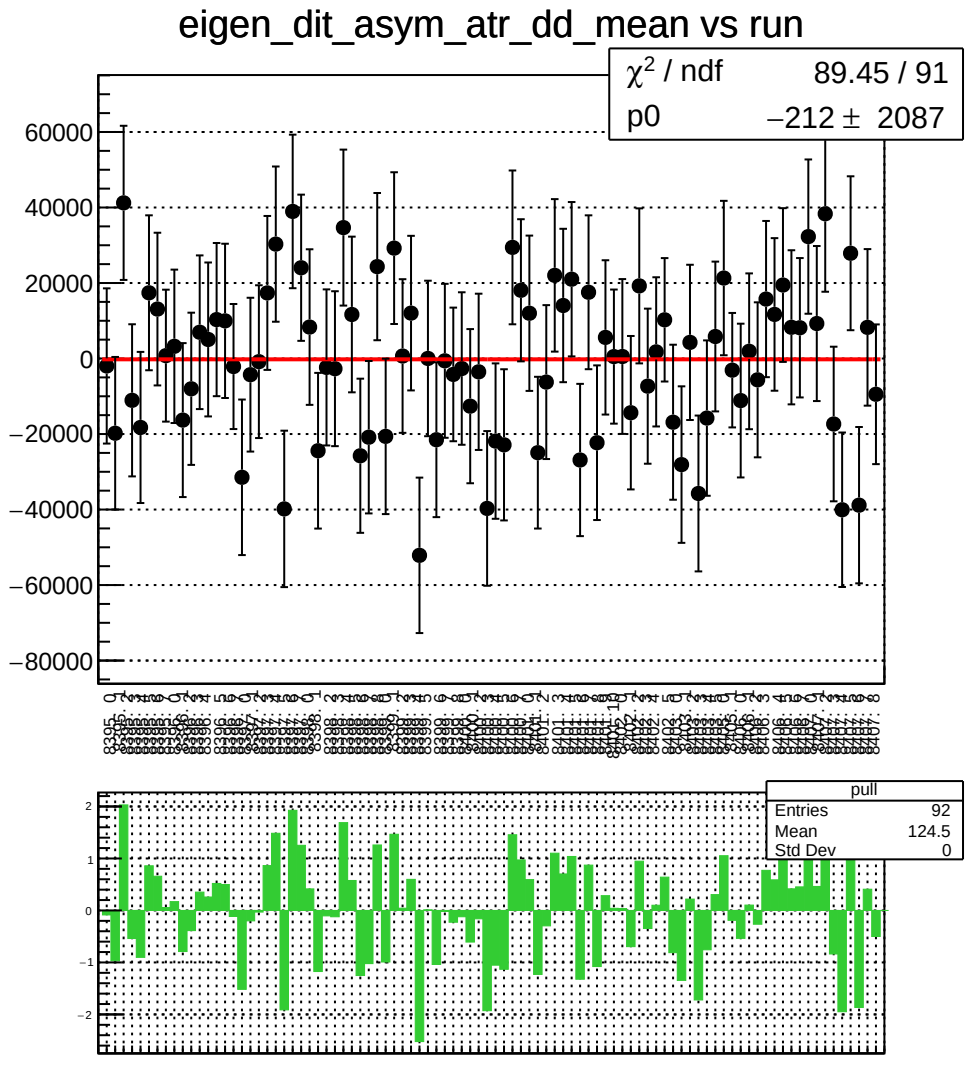

dit_asym_atr_dd_mean vs run
χ² / ndf 89.45 / 91
p0 −212 ± 2087
pull
Entries 92
Mean 124.5
Std Dev 0
pull1D
Entries 92
Mean −0.003417
Std Dev 0.986

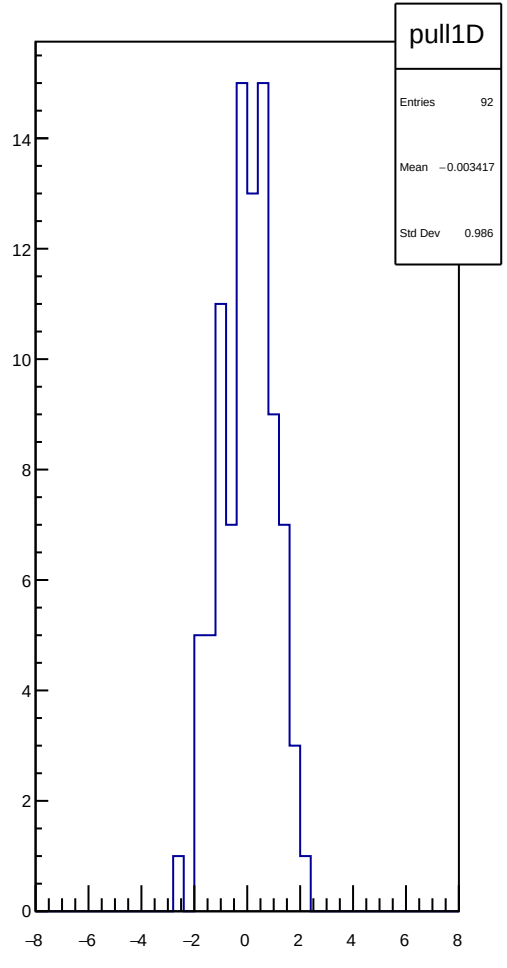

dit_asym_atr_dd_rms vs run
$\chi^2$ / ndf 144.4 / 91
p0 1937 ± 1.476
1980
1960
1940
1920
1900
1880
1860

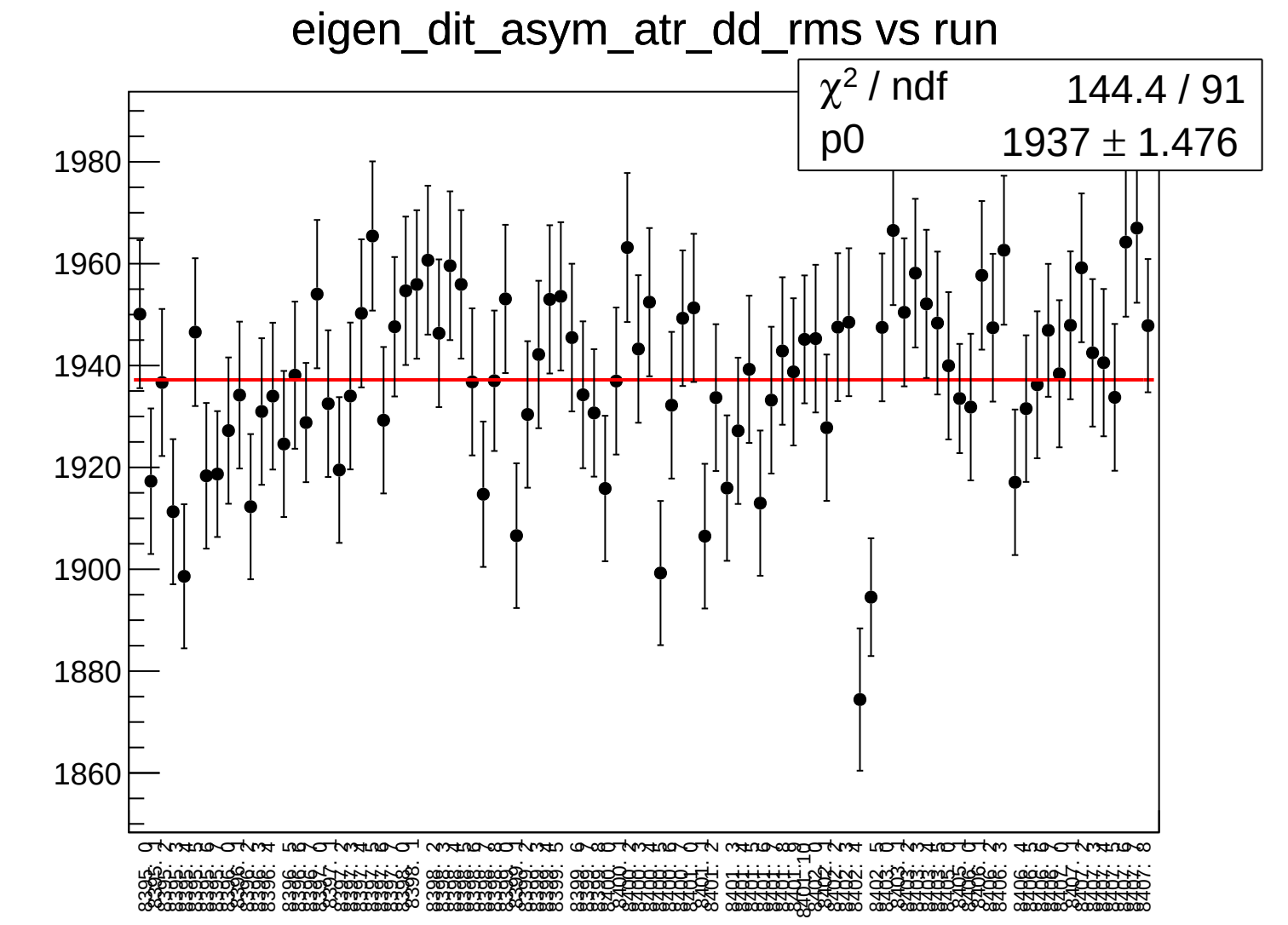

asym_atr_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 91.05 / 91
p0 2801 ± 6726
200
100
0
−100
−200
−300
pull
Entries 92
Mean 249.5
Std Dev 0
3
2
1
0
−1
−2

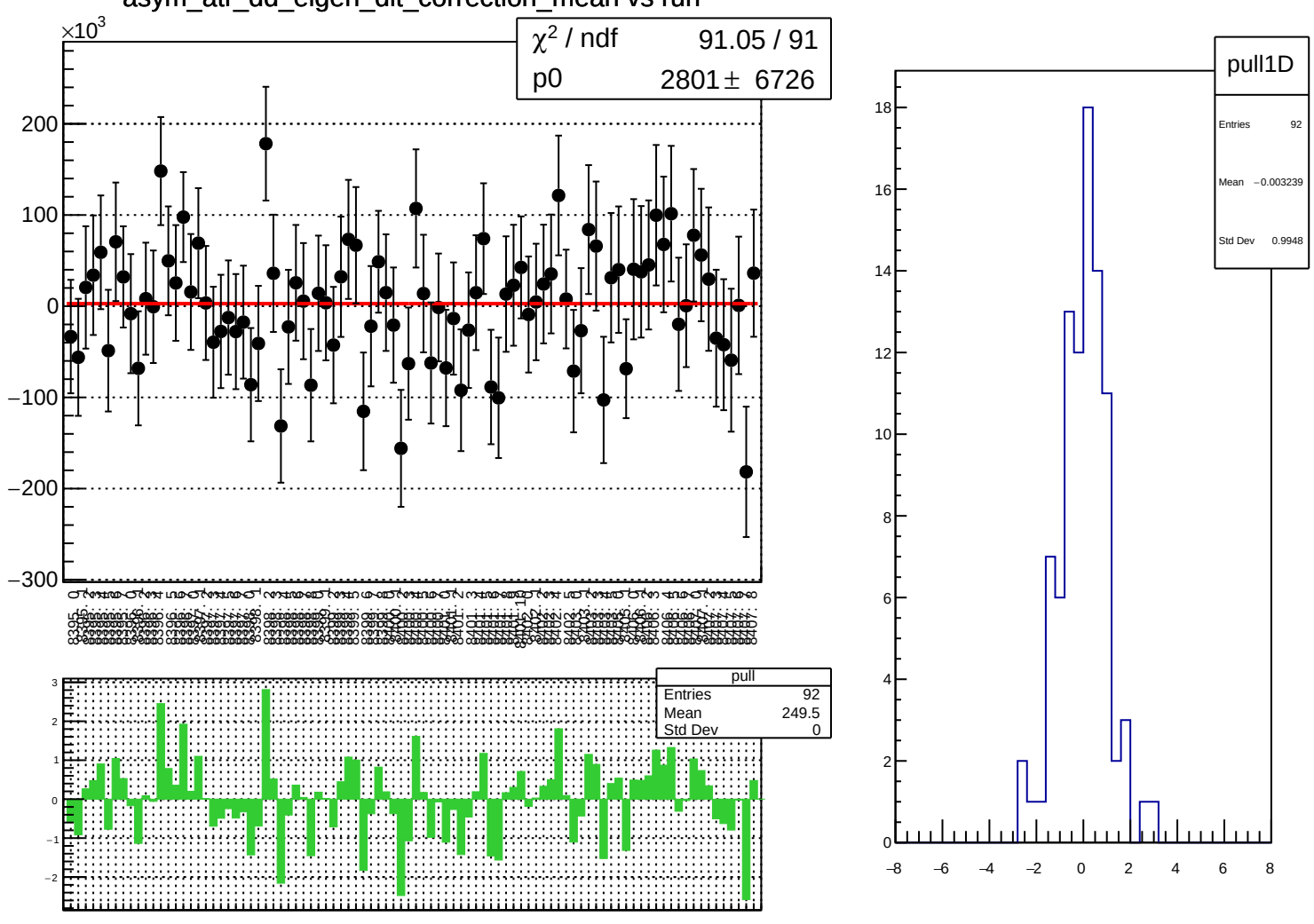

pull1D
Entries 92
Mean −0.003239
Std Dev 0.9948
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

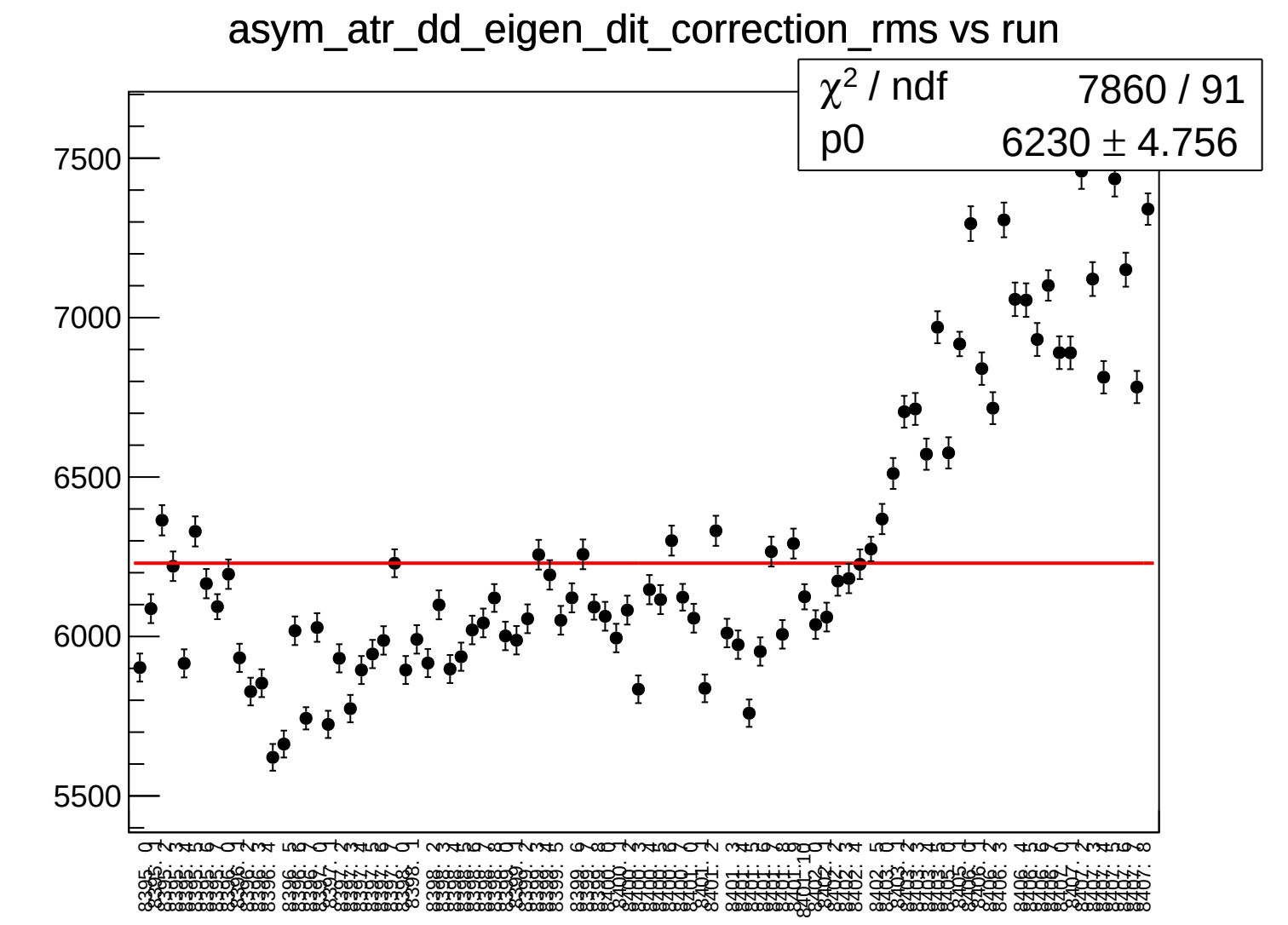

asym_atr_dd_dit_correction_rms vs run
$\chi^2$ / ndf 7860 / 91
p0 6230 ± 4.756
7500
7000
6500
6000
5500

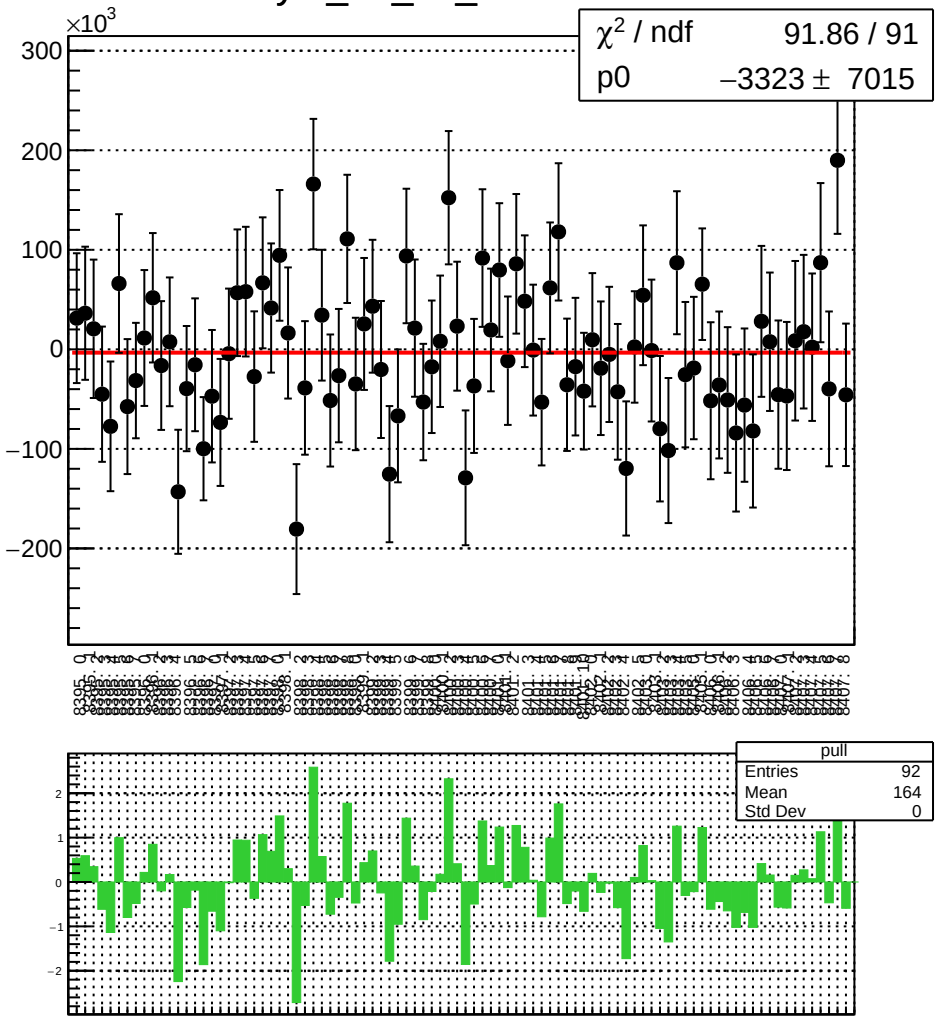

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 89.45 / 91
p0 −212 ± 2087
pull
Entries 92
Mean 124.5
Std Dev 0

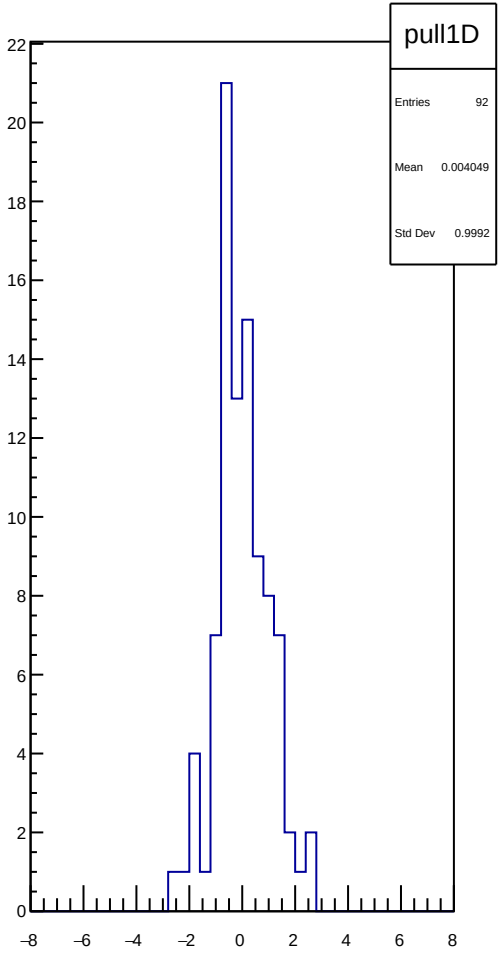

pull1D
Entries 92
Mean −0.003417
Std Dev 0.986

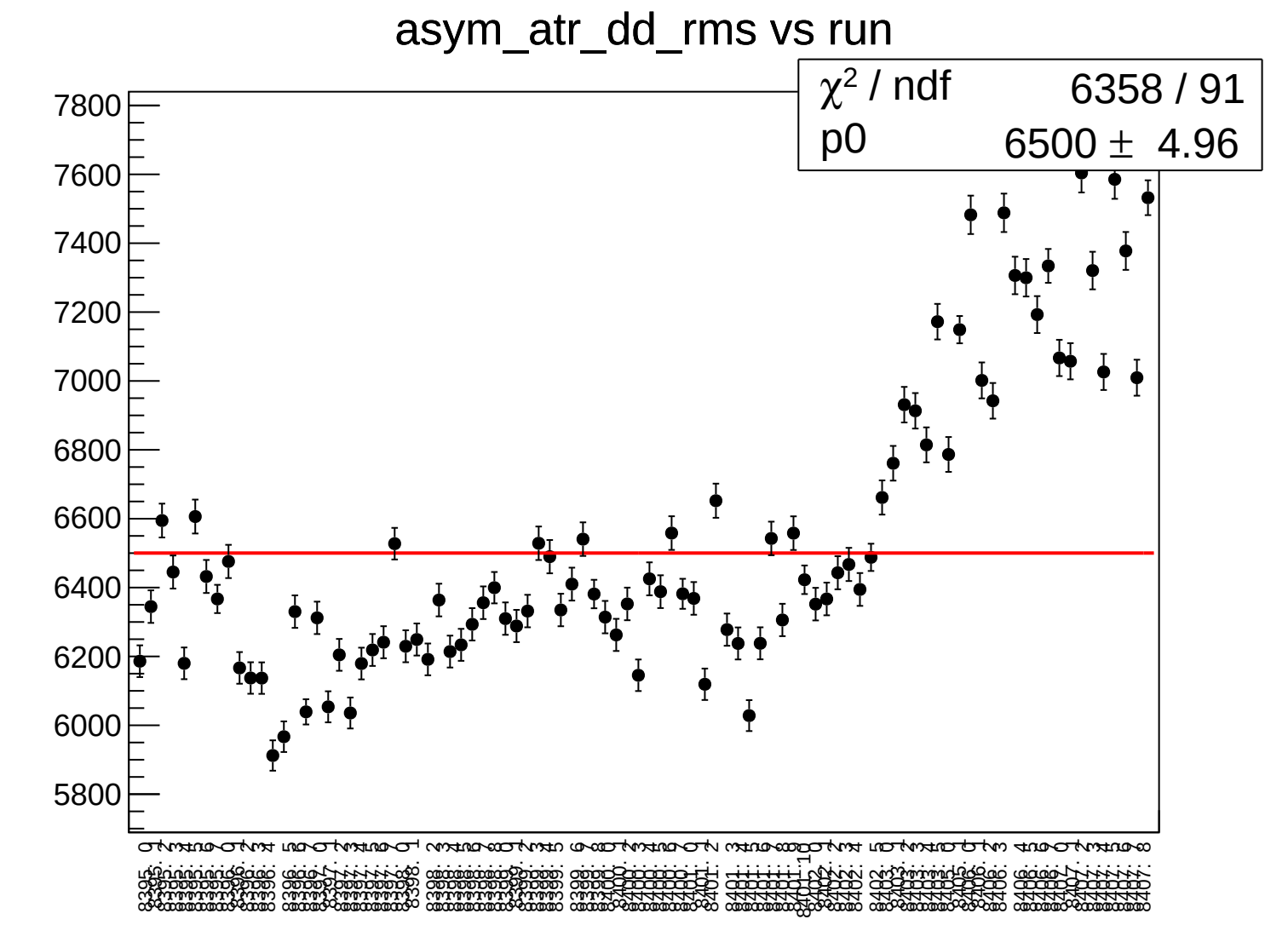

eigen_dit_asym_atr_dd_rms vs run
$\chi^2$ / ndf 144.4 / 91
p0 1937 ± 1.476
1980
1960
1940
1920
1900
1880
1860

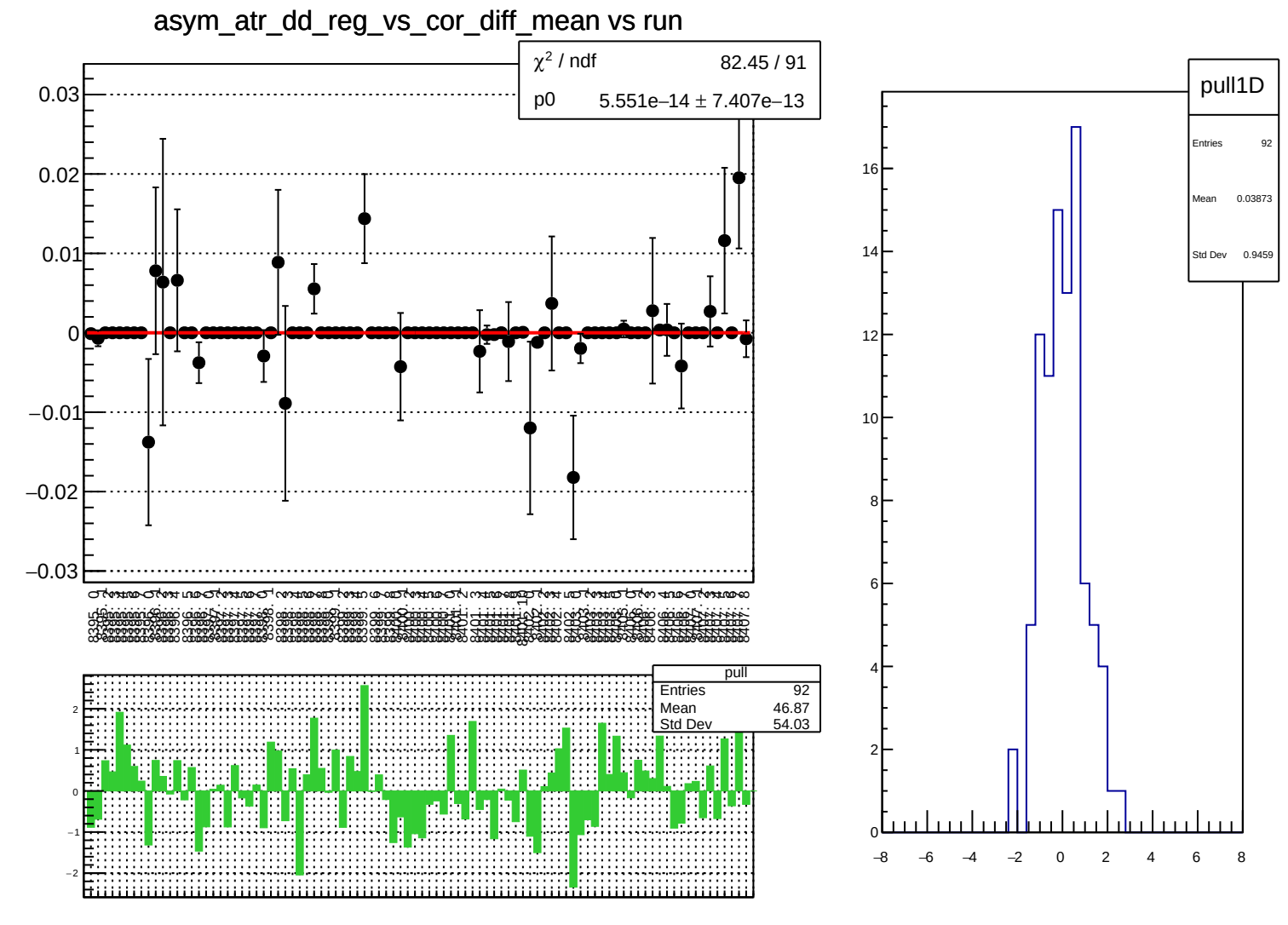

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 91.05 / 91
p0 2801 ± 6726
200
100
0
−100
−200
−300
pull
Entries 92
Mean 249.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003239
Std Dev 0.9948
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

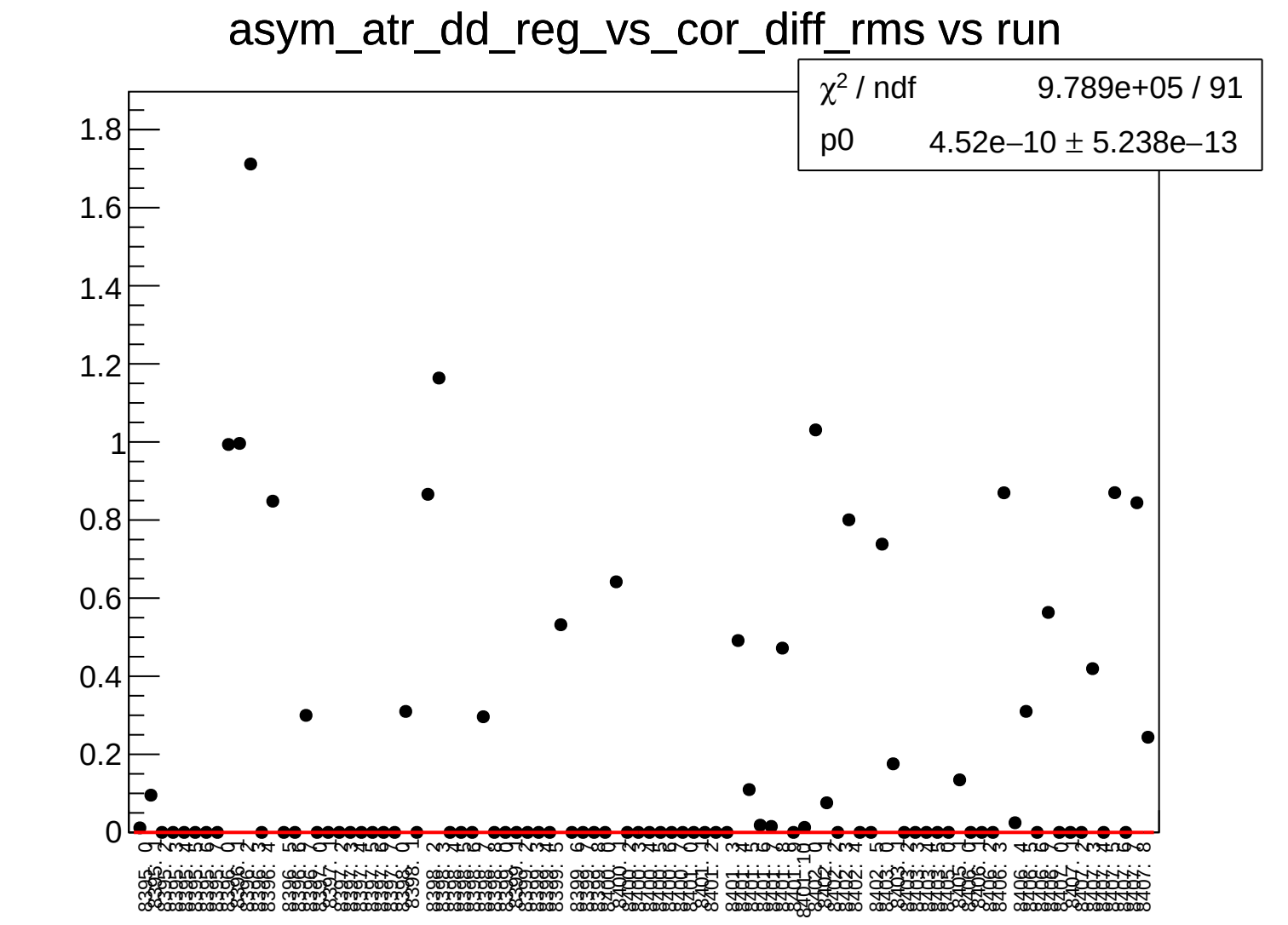

asym_atr_dd_eigen_dit_correction_rms vs run
$\chi^2$ / ndf 7860 / 91
p0 6230 ± 4.756
7500
7000
6500
6000
5500

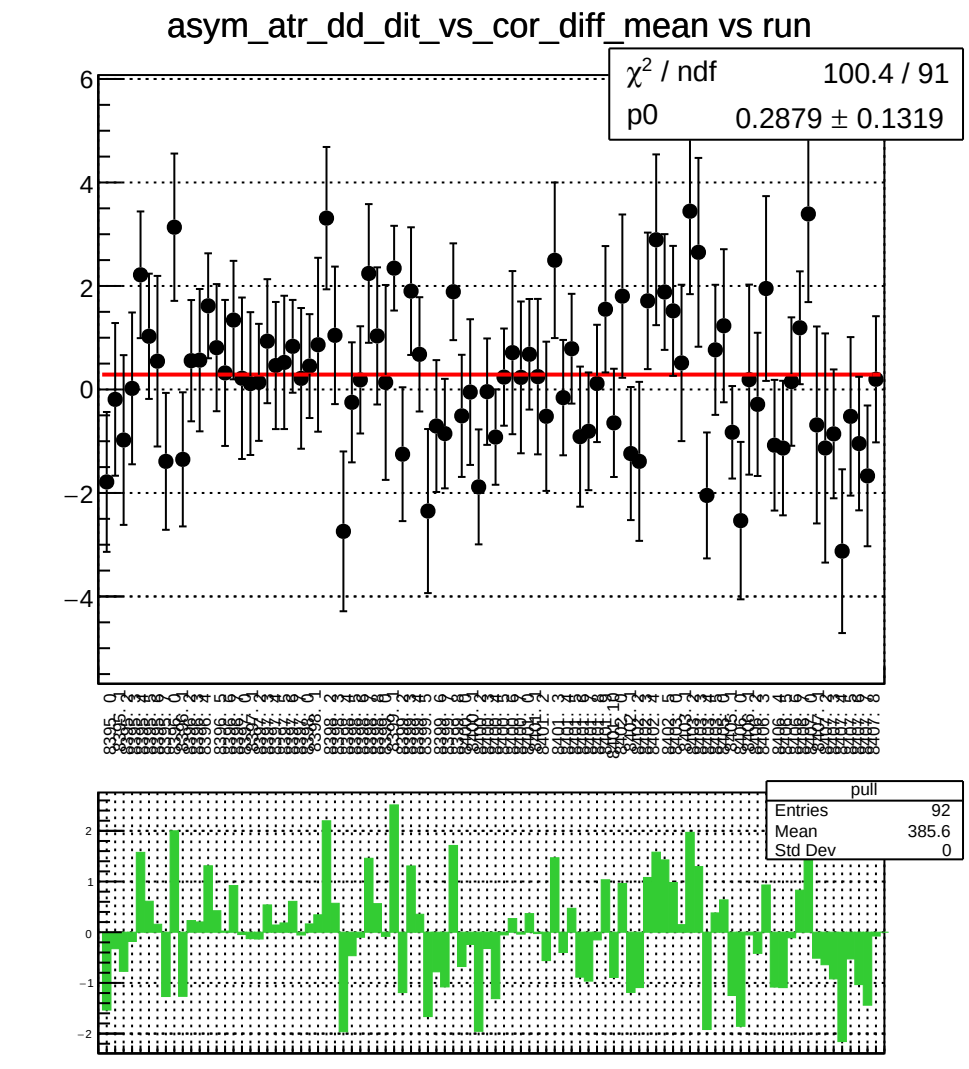

asym_atr_dd_mean vs run
×10^3
χ² / ndf 91.86 / 91
p0 −3323 ± 7015
pull
Entries 92
Mean 164
Std Dev 0

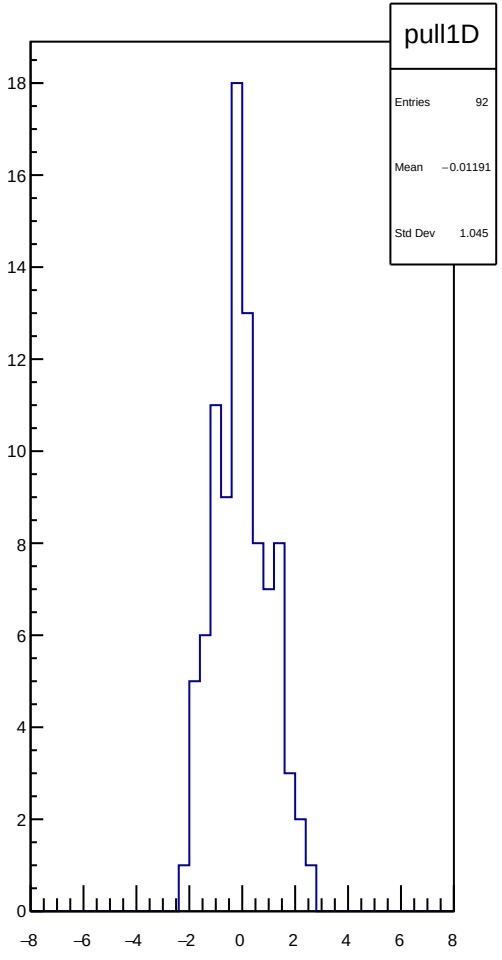

pull1D
Entries 92
Mean 0.004049
Std Dev 0.9992

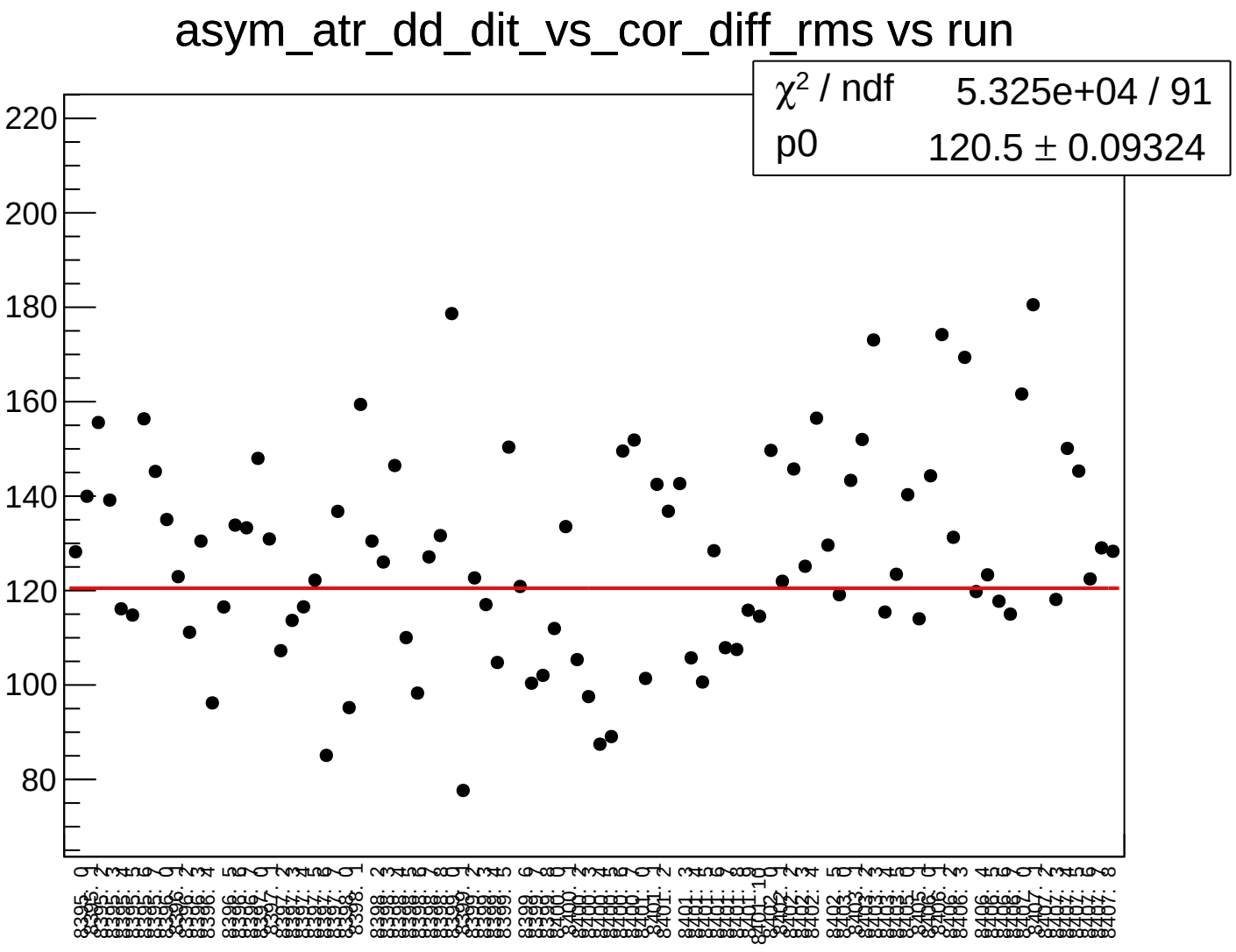

asym_atr_dd_rms vs run
$\chi^2$ / ndf 6358 / 91
p0 6500 ± 4.96
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

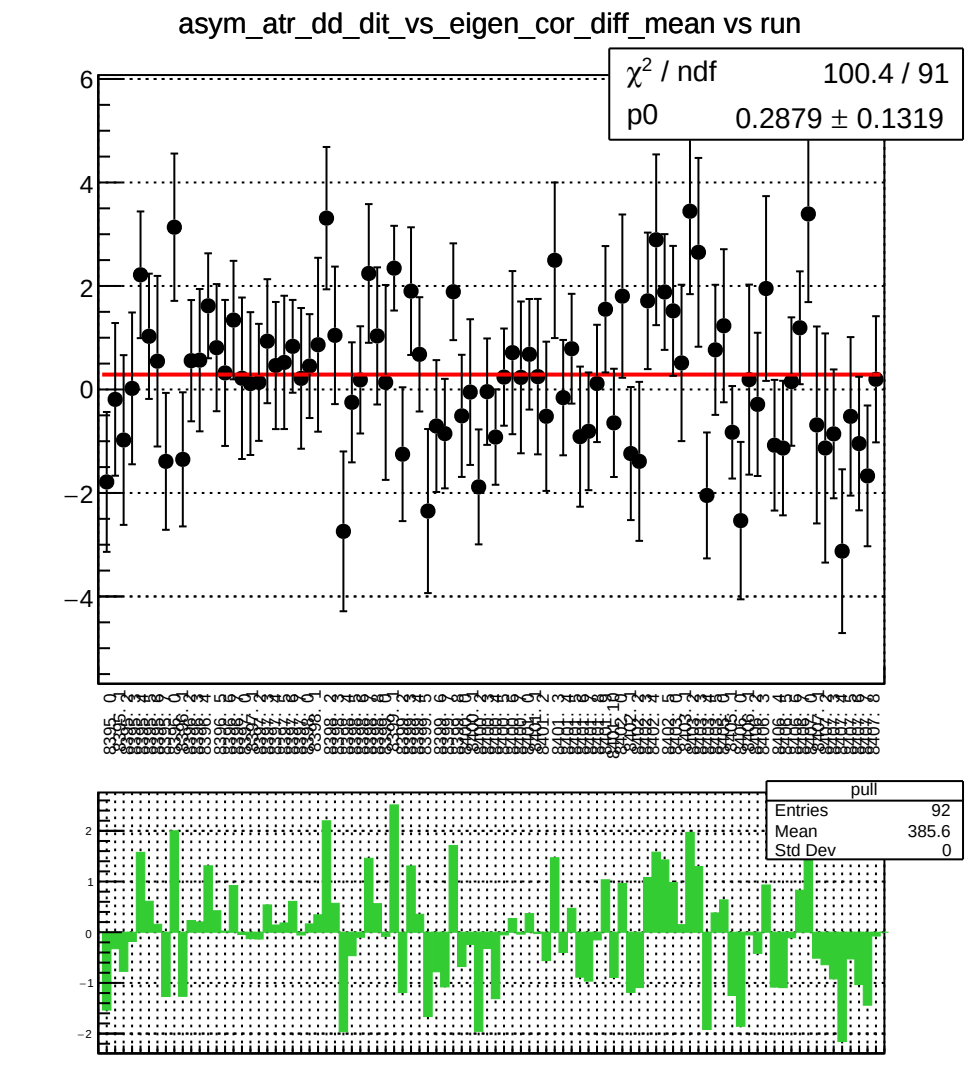

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.45 / 91
p0 5.551e−14 ± 7.407e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 46.87
Std Dev 54.03
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.03873
Std Dev 0.9459
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

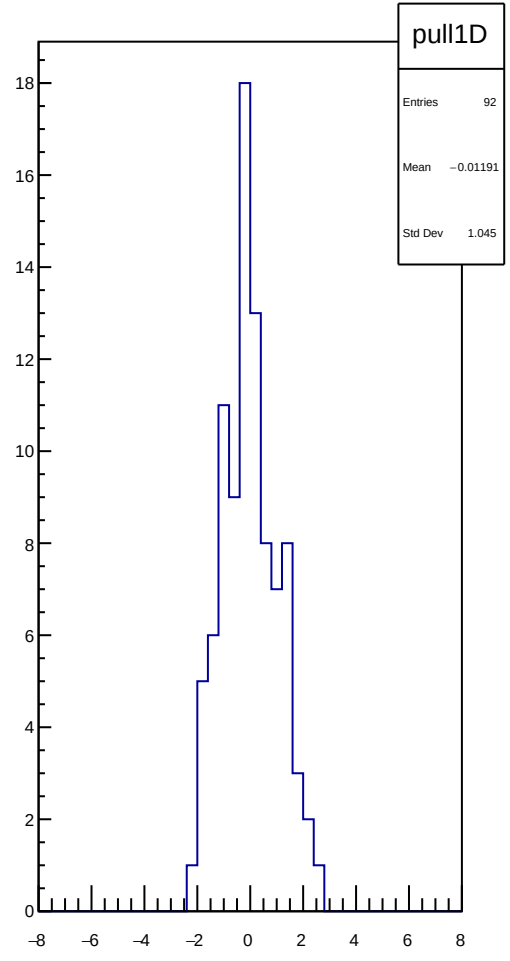

asym_atr_dd_reg_vs_cor_diff_rms vs run
$\chi^2$ / ndf 9.789e+05 / 91
p0 4.52e−10 ± 5.238e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

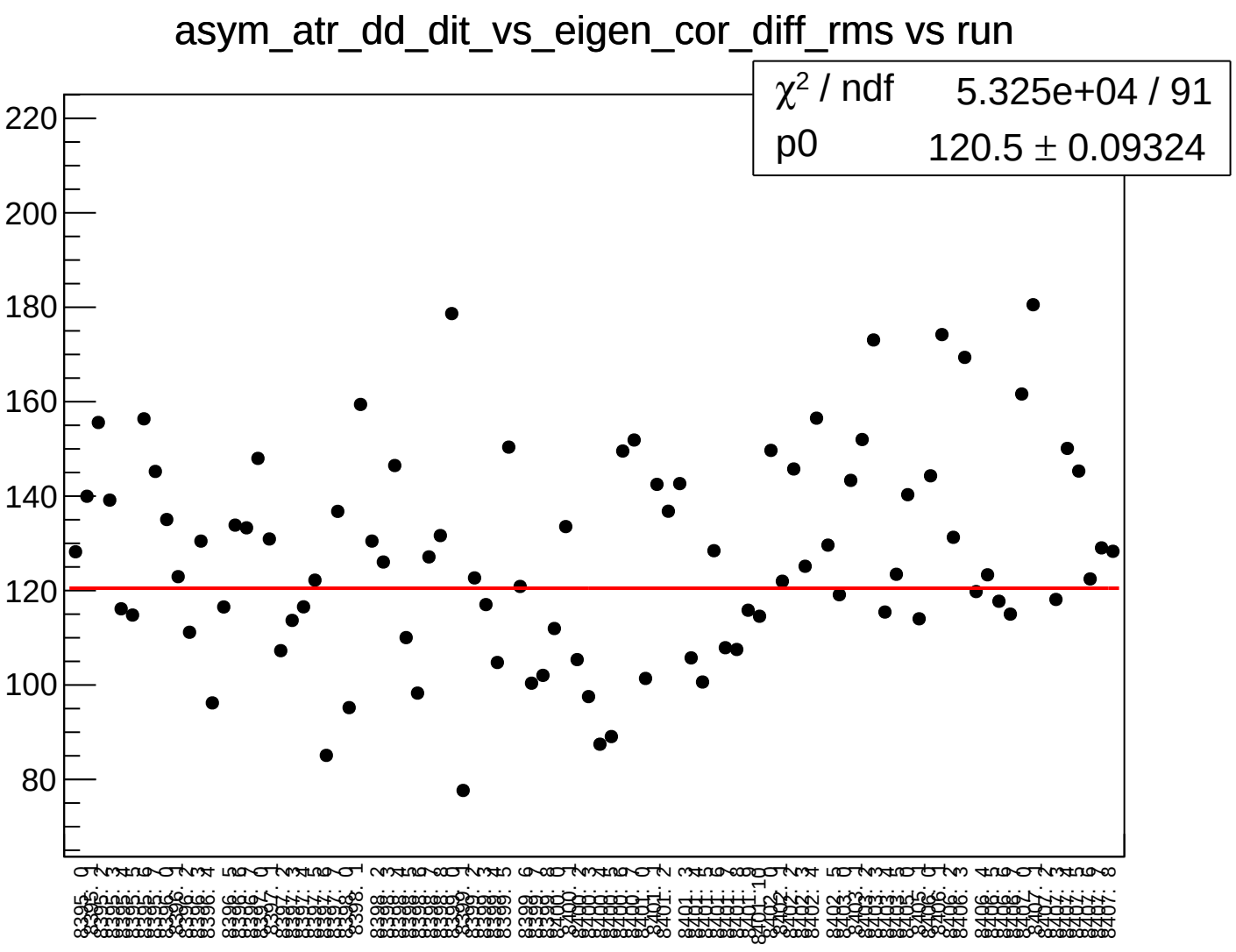

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 100.4 / 91
p0 0.2879 ± 0.1319
pull
Entries 92
Mean 385.6
Std Dev 0

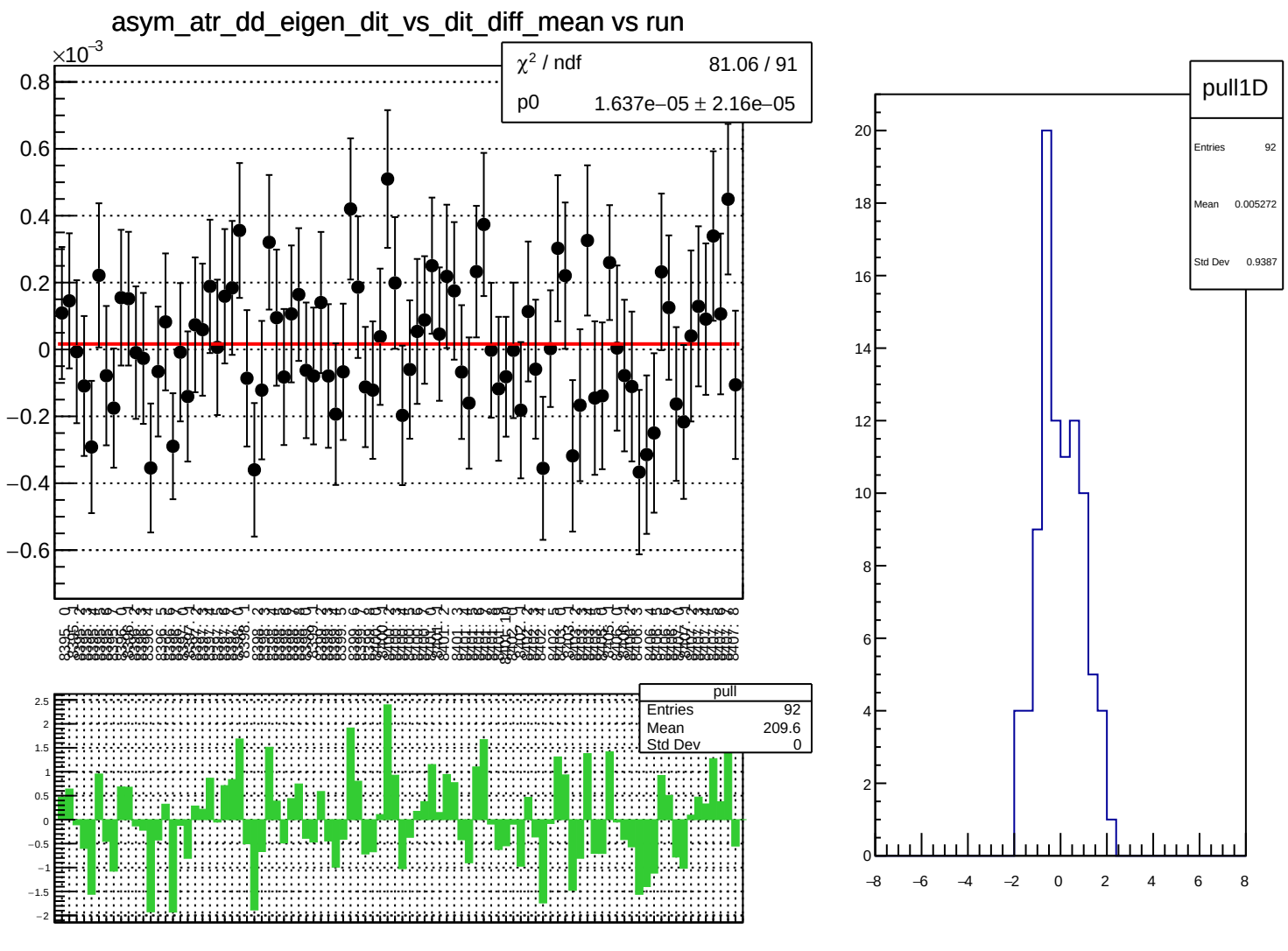

pull1D
Entries 92
Mean −0.01191
Std Dev 1.045

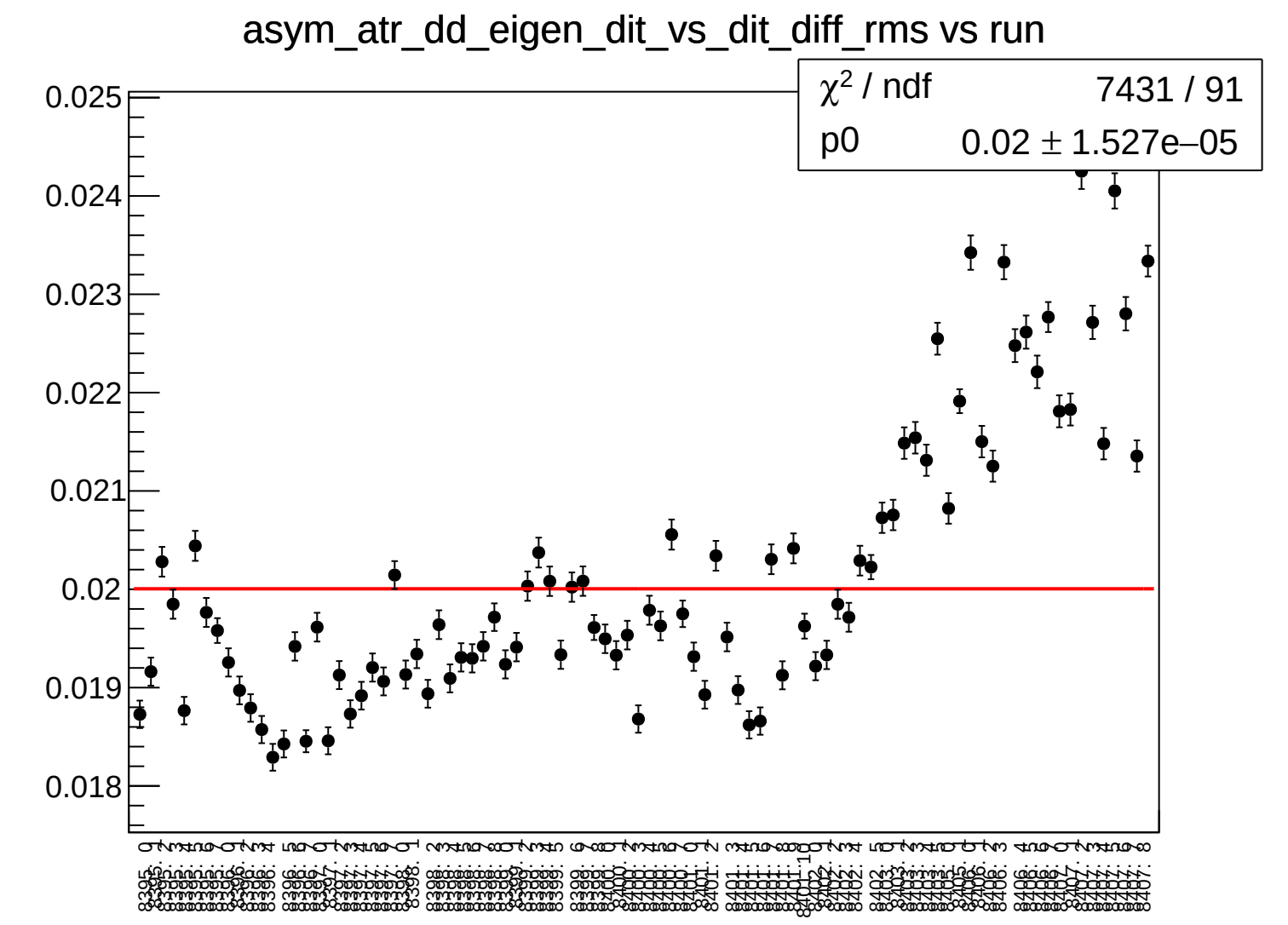

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.325e+04 / 91
p0 120.5 ± 0.09324
220
200
180
160
140
120
100
80

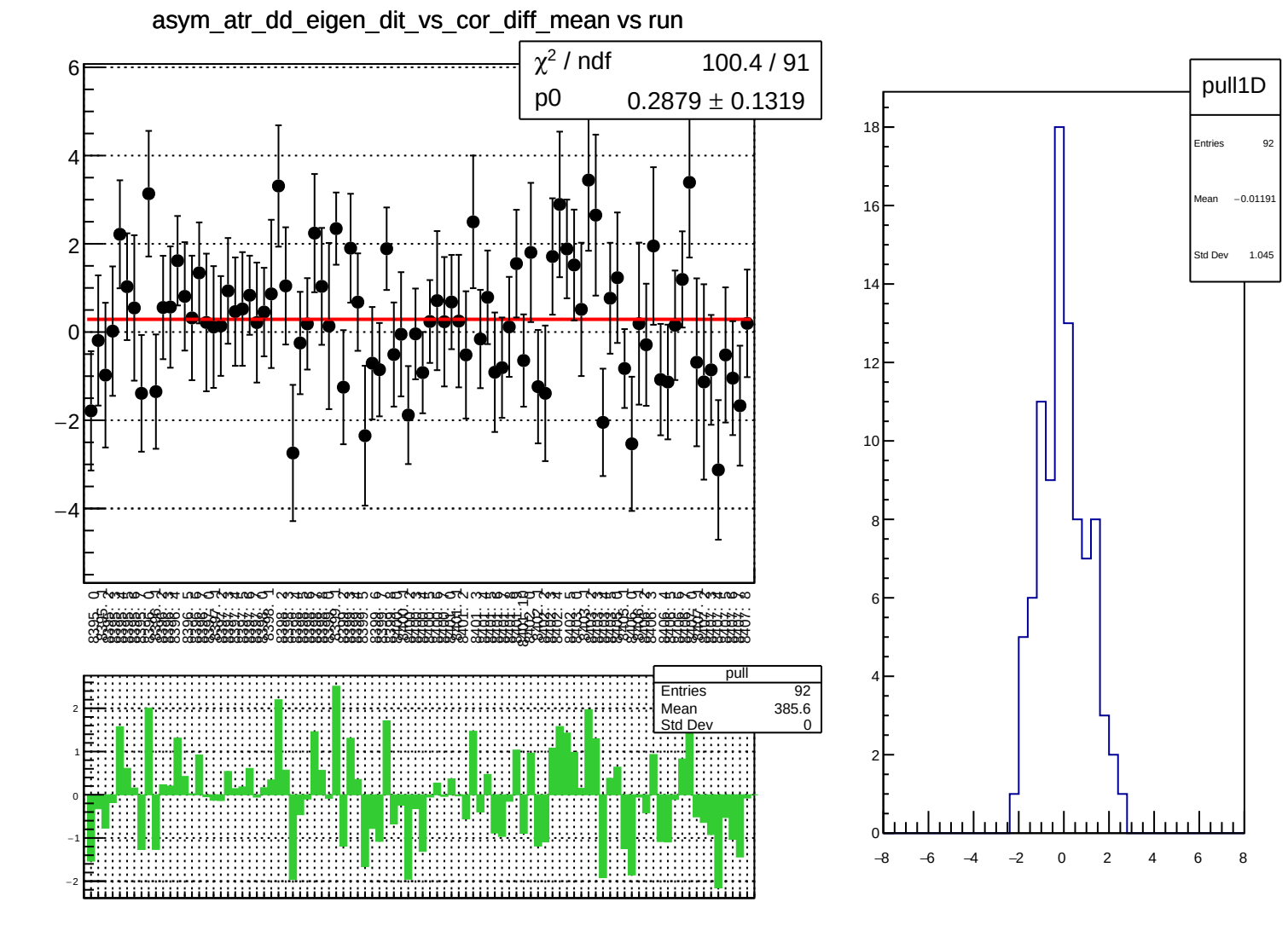

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.4 / 91
p0 0.2879 ± 0.1319
pull
Entries 92
Mean 385.6
Std Dev 0

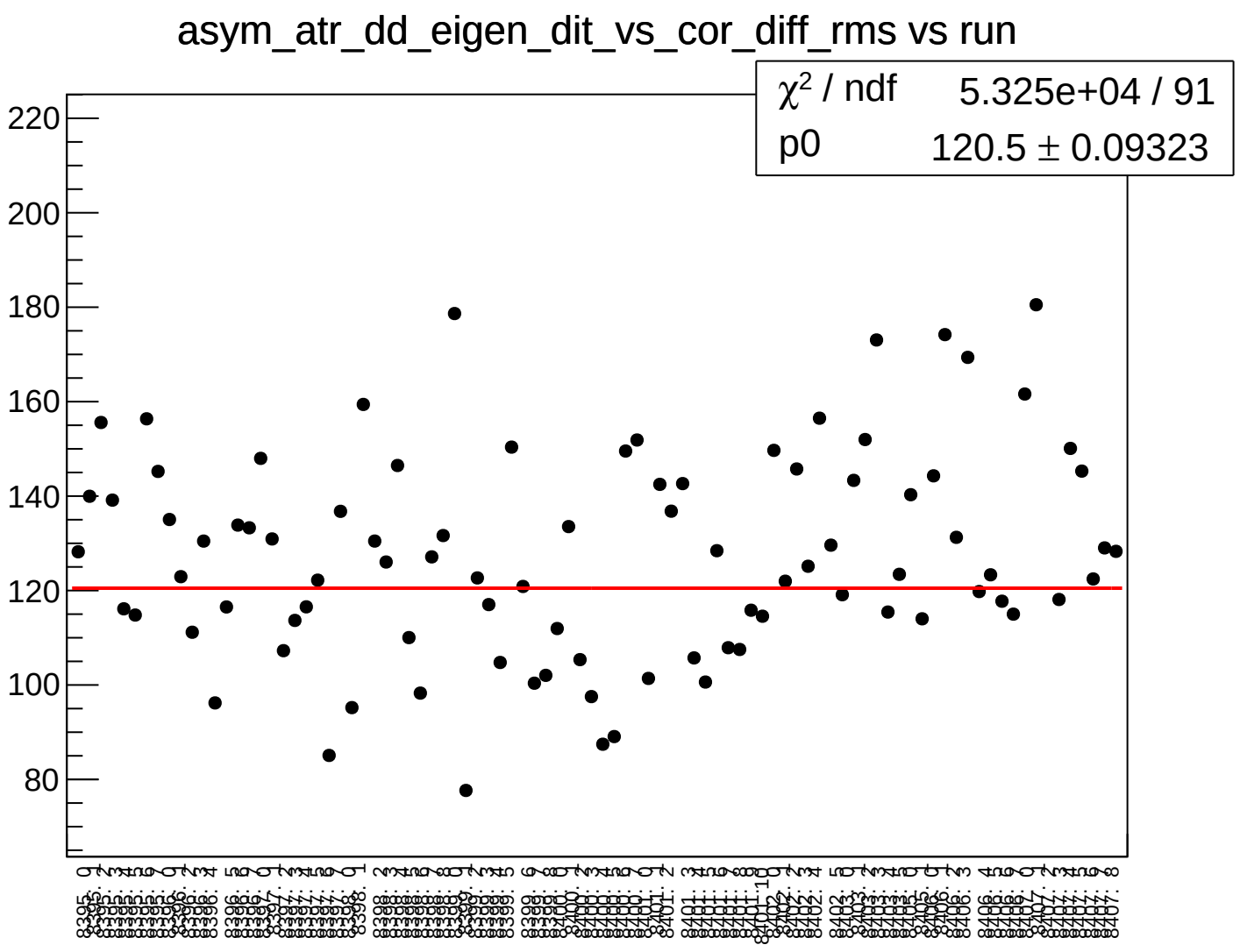

pull1D
Entries 92
Mean −0.01191
Std Dev 1.045

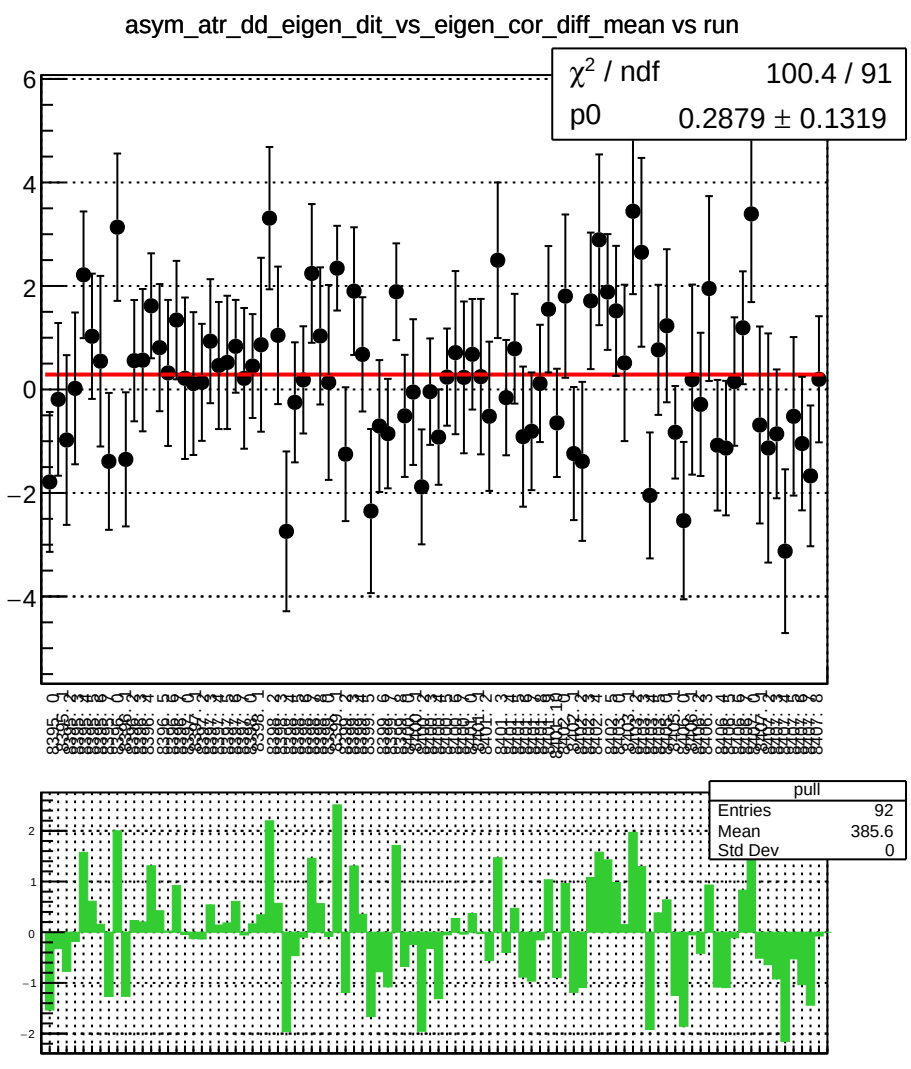

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 5.325e+04 / 91
p0 120.5 ± 0.09324
220
200
180
160
140
120
100
80

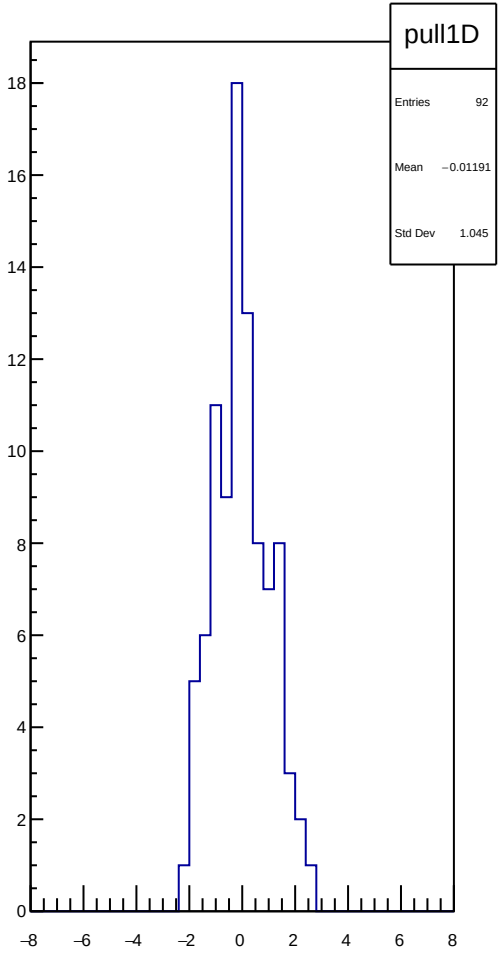

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 81.06 / 91
p0 1.637e−05 ± 2.16e−05
pull
Entries 92
Mean 209.6
Std Dev 0
pull1D
Entries 92
Mean 0.005272
Std Dev 0.9387

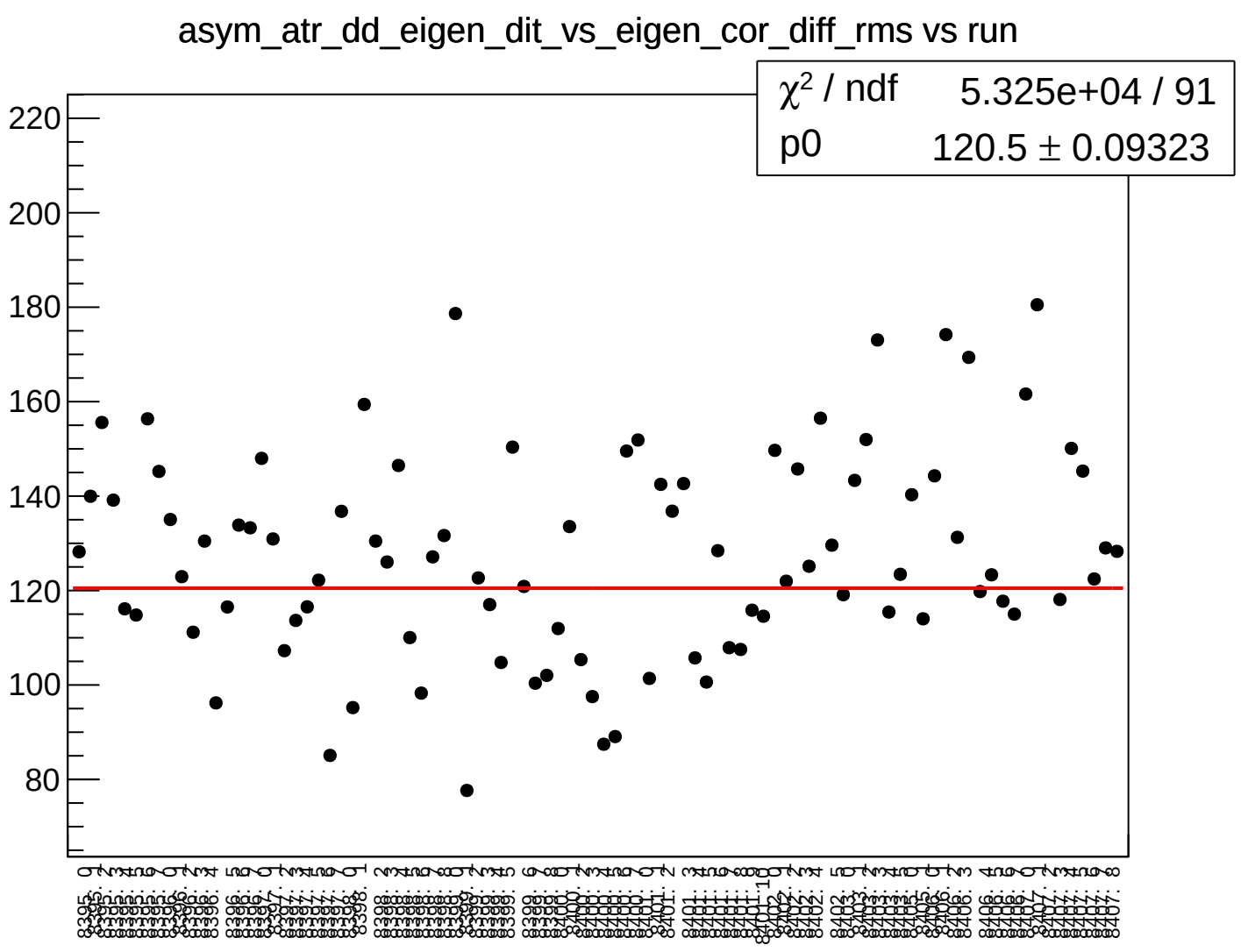

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7431 / 91
p0 0.02 ± 1.527e−05
0.025
0.024
0.023
0.022
0.021
0.02
0.019
0.018

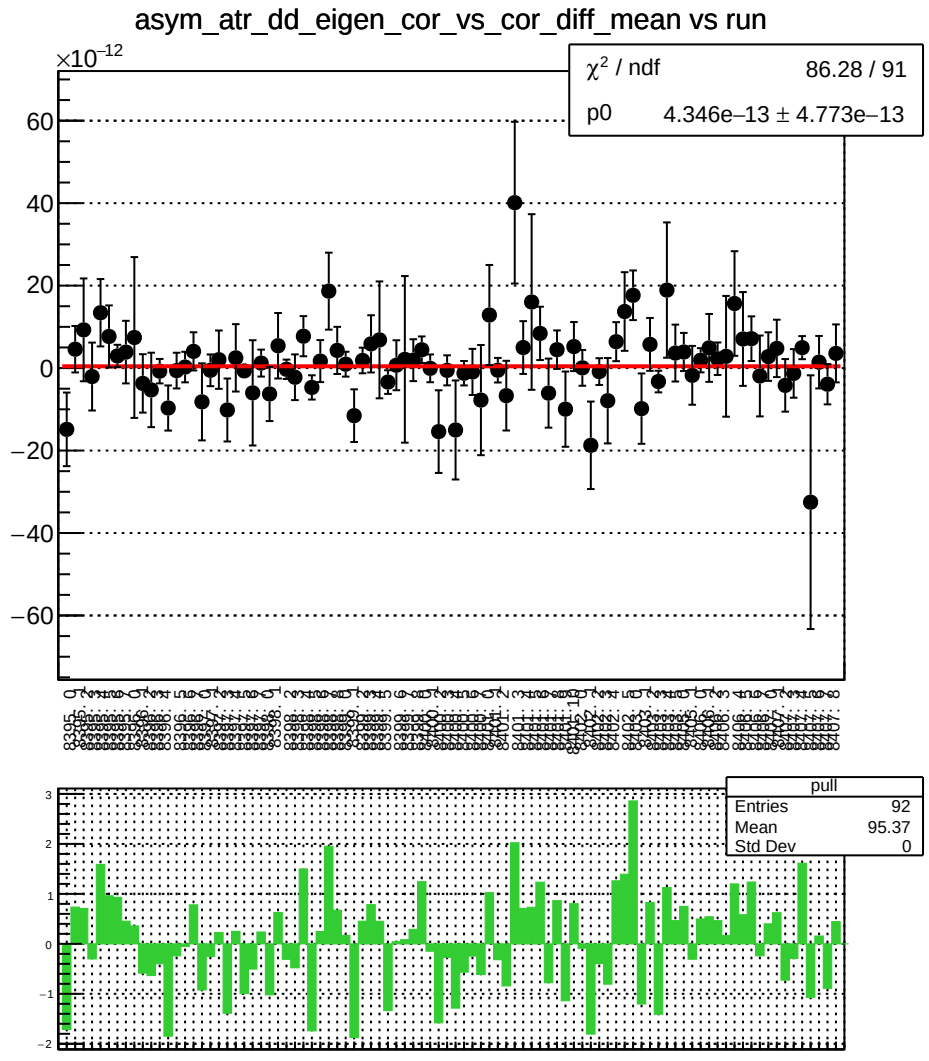

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 100.4 / 91
p0 0.2879 ± 0.1319
pull
Entries 92
Mean 385.6
Std Dev 0
pull1D
Entries 92
Mean −0.01191
Std Dev 1.045

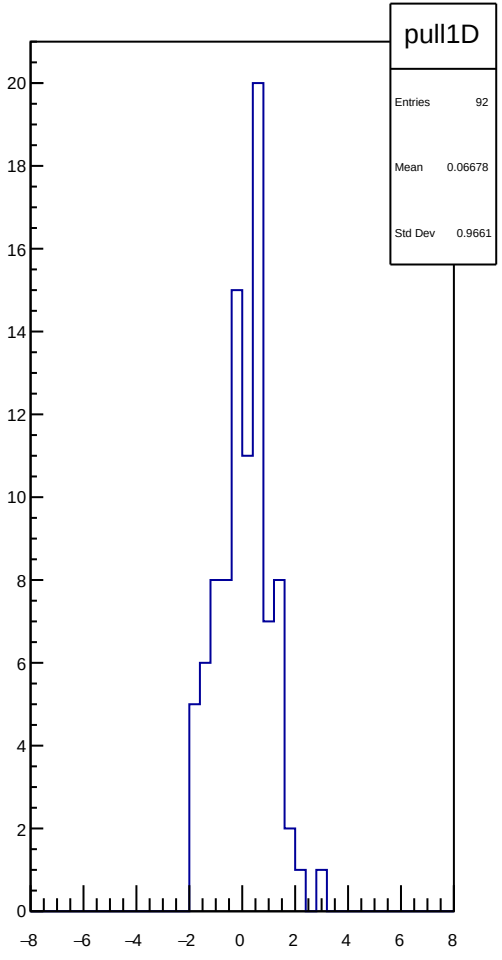

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.325e+04 / 91
p0 120.5 ± 0.09323
220
200
180
160
140
120
100
80

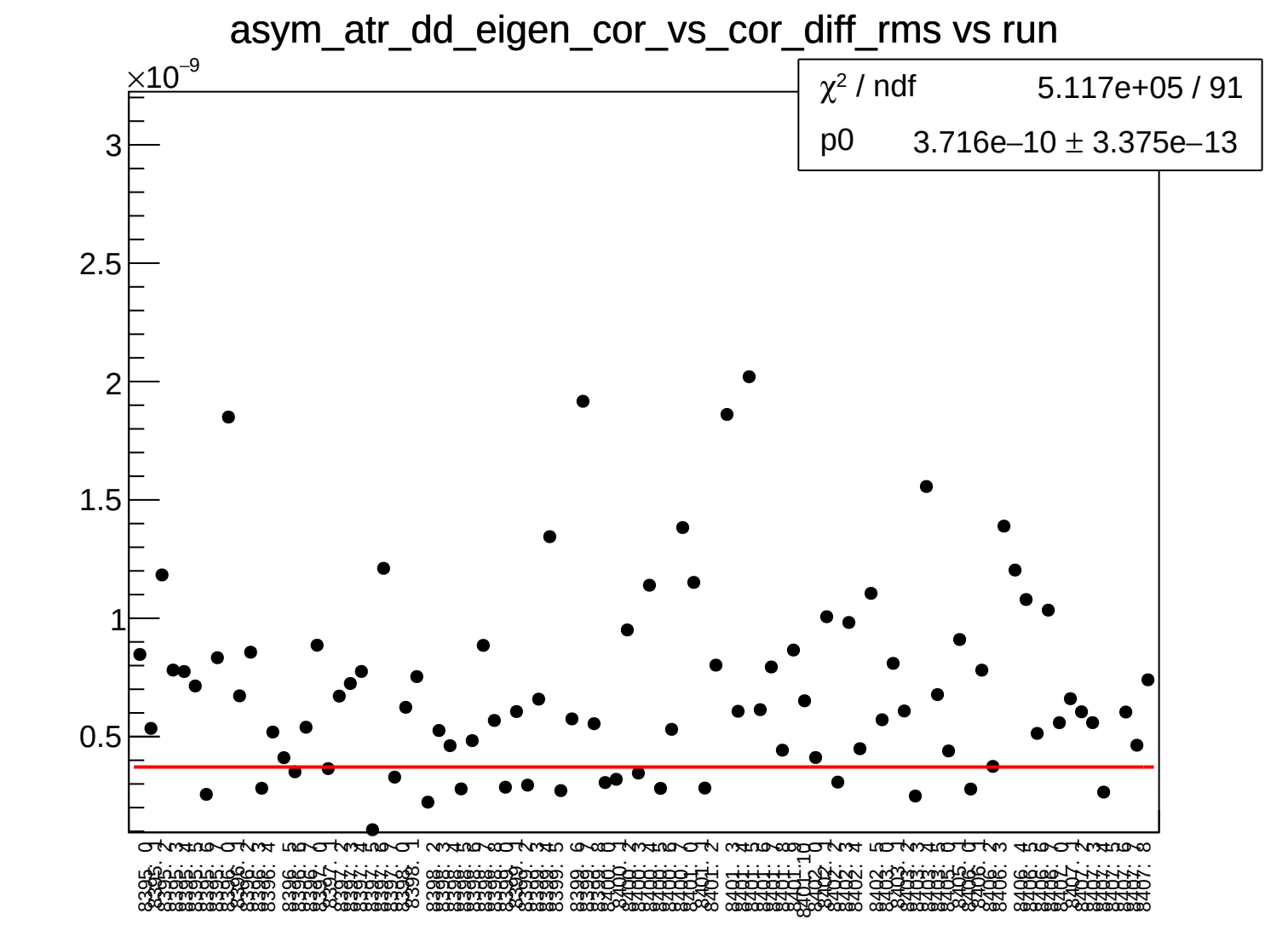

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.4 / 91
p0 0.2879 ± 0.1319
pull
Entries 92
Mean 385.6
Std Dev 0

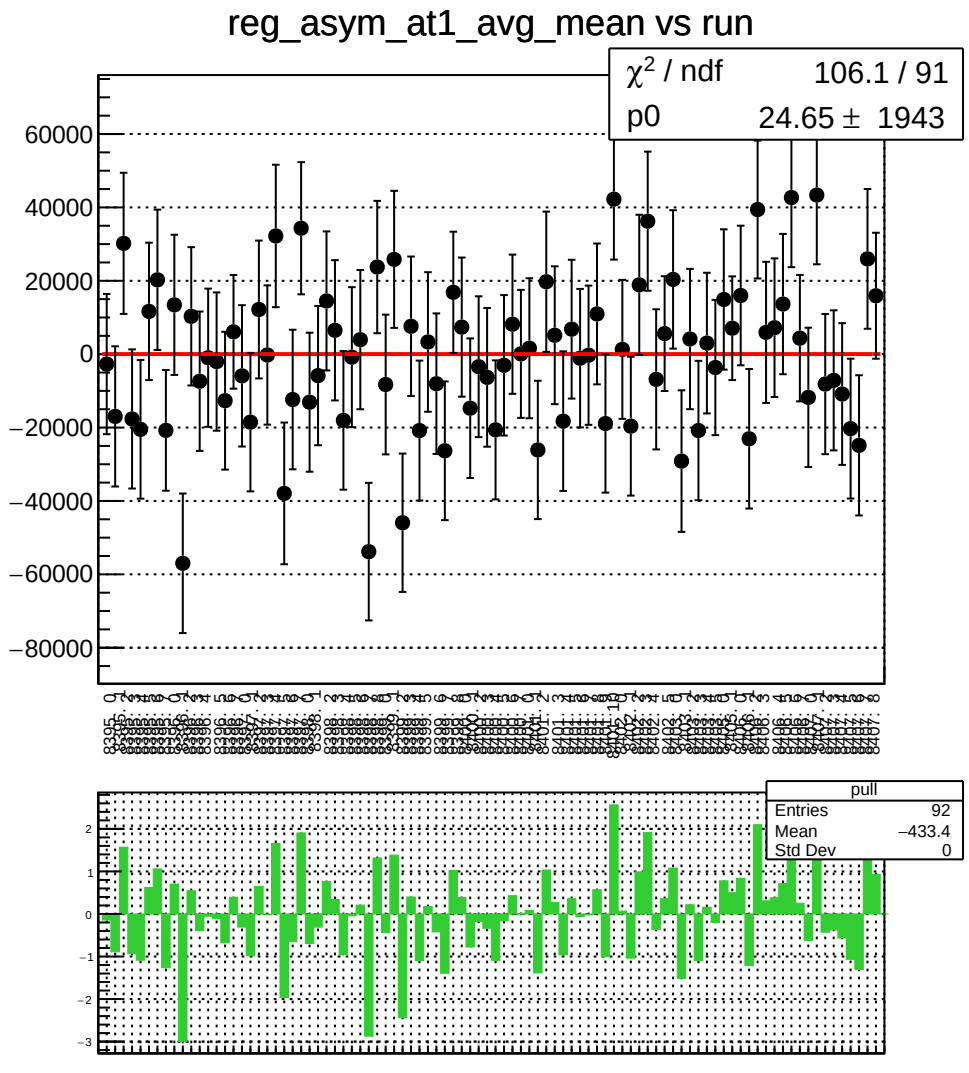

pull1D
Entries 92
Mean −0.01191
Std Dev 1.045

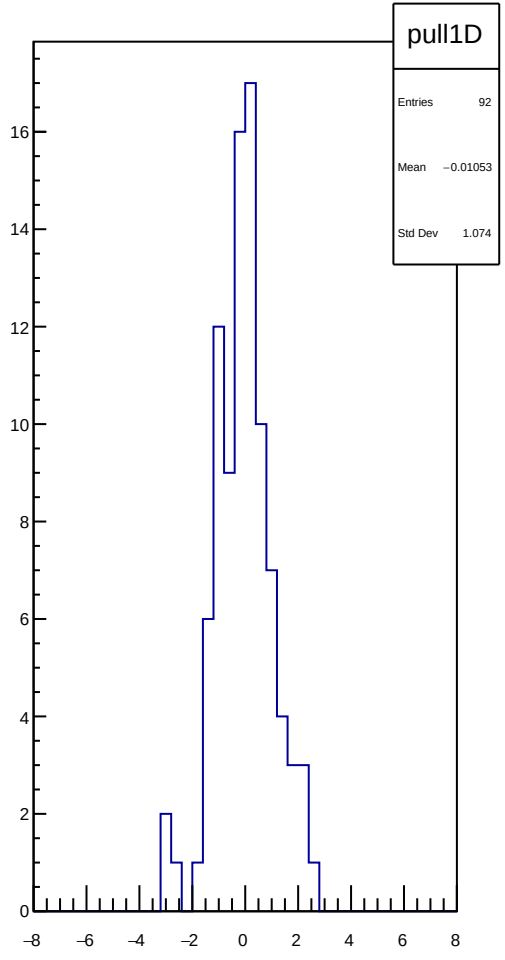

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.325e+04 / 91
p0 120.5 ± 0.09323
220
200
180
160
140
120
100
80

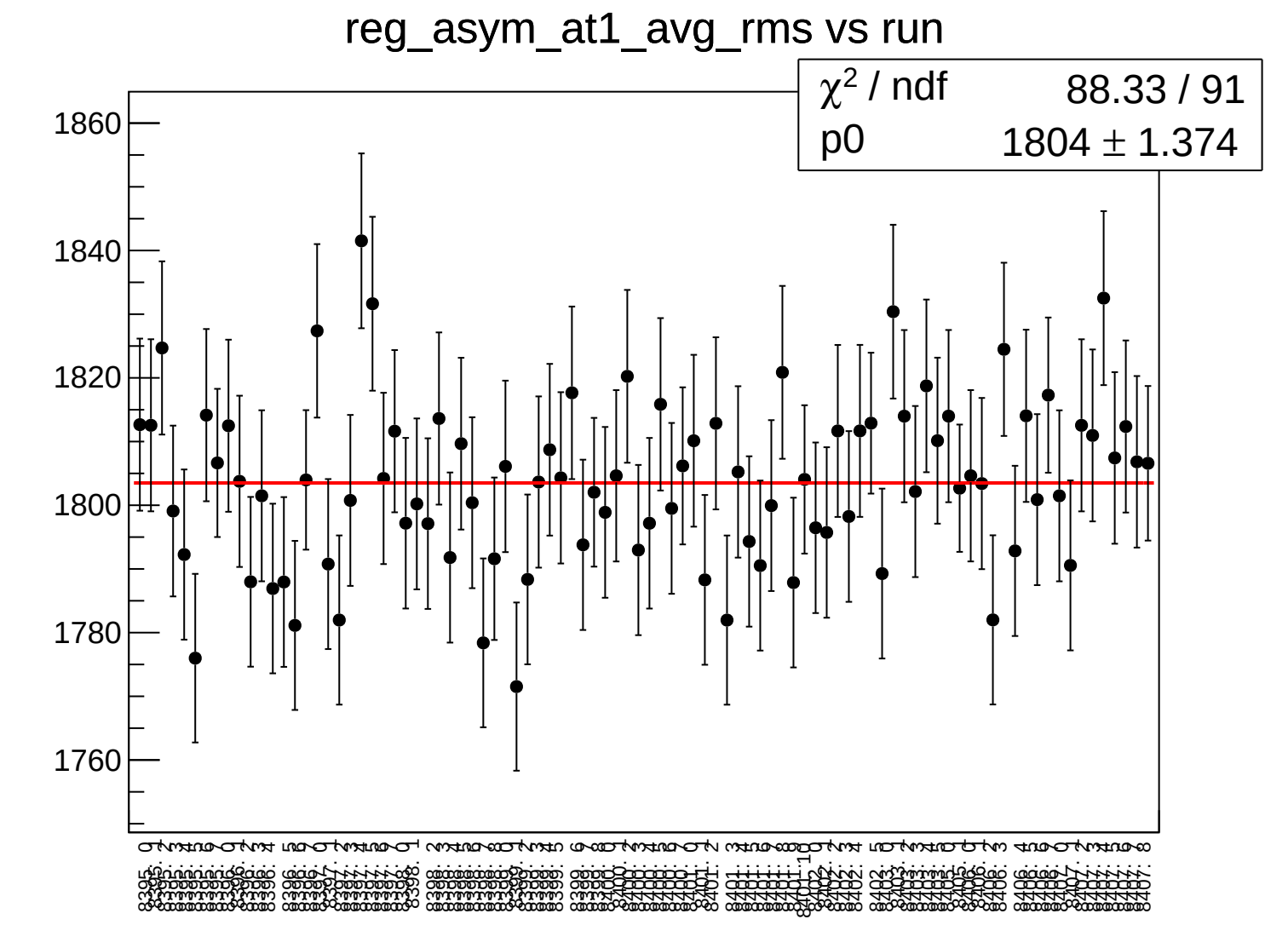

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.28 / 91
p0 4.346e−13 ± 4.773e−13
pull
Entries 92
Mean 95.37
Std Dev 0

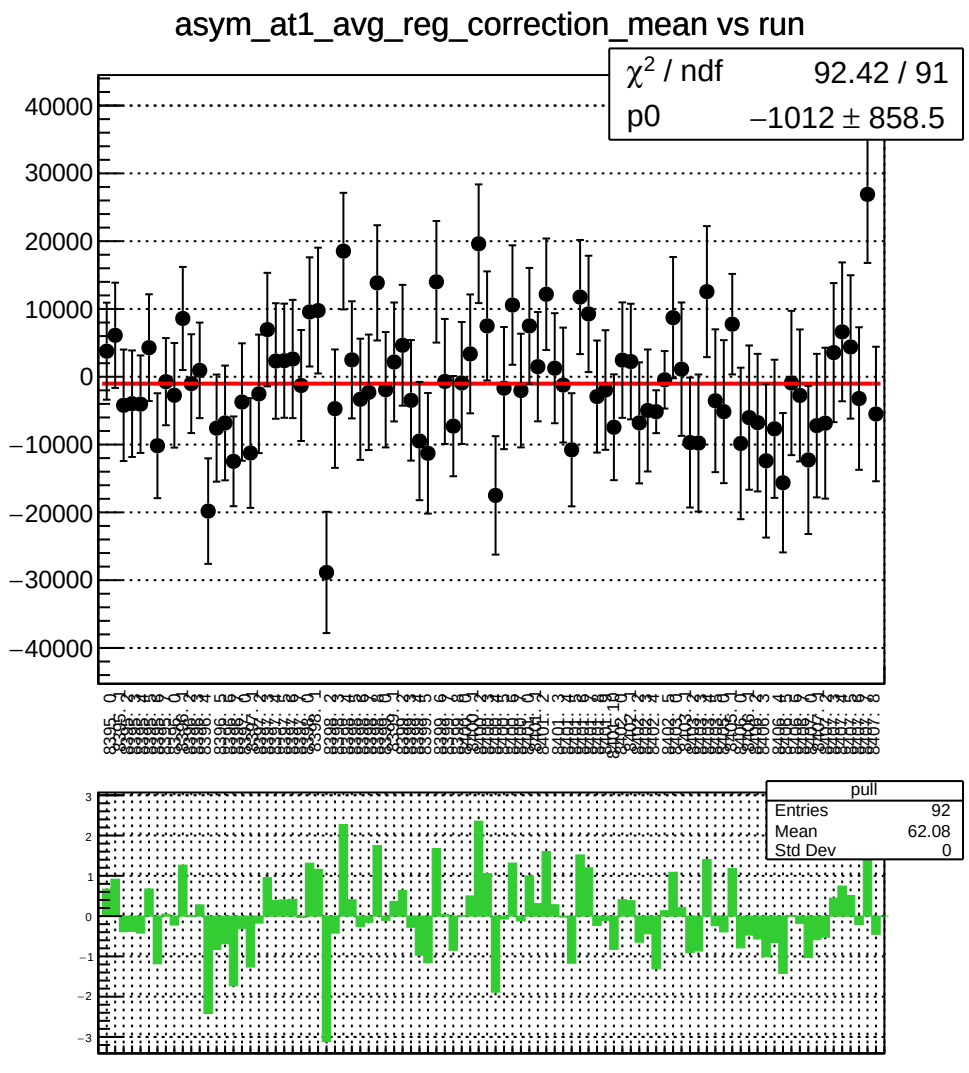

pull1D
Entries 92
Mean 0.06678
Std Dev 0.9661

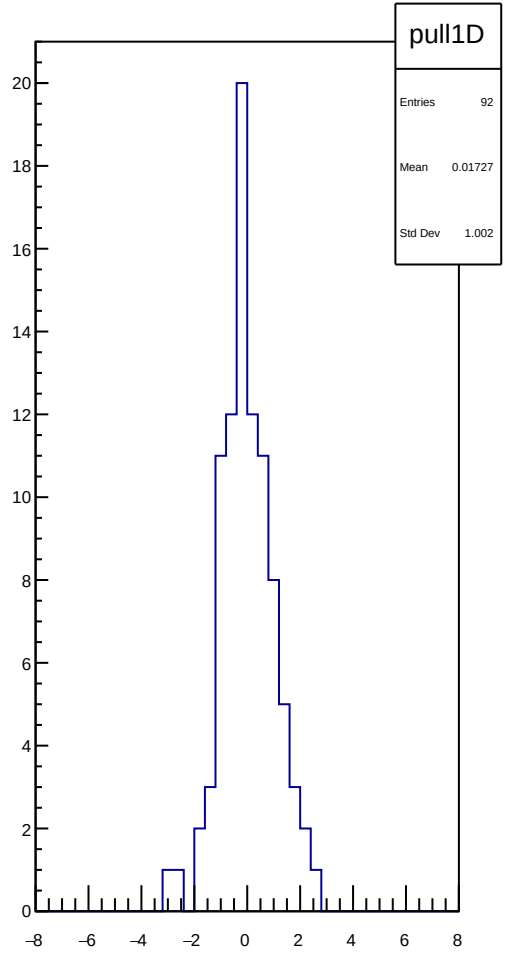

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.117e+05 / 91
p0 3.716e−10 ± 3.375e−13
3
2.5
2
1.5
1
0.5

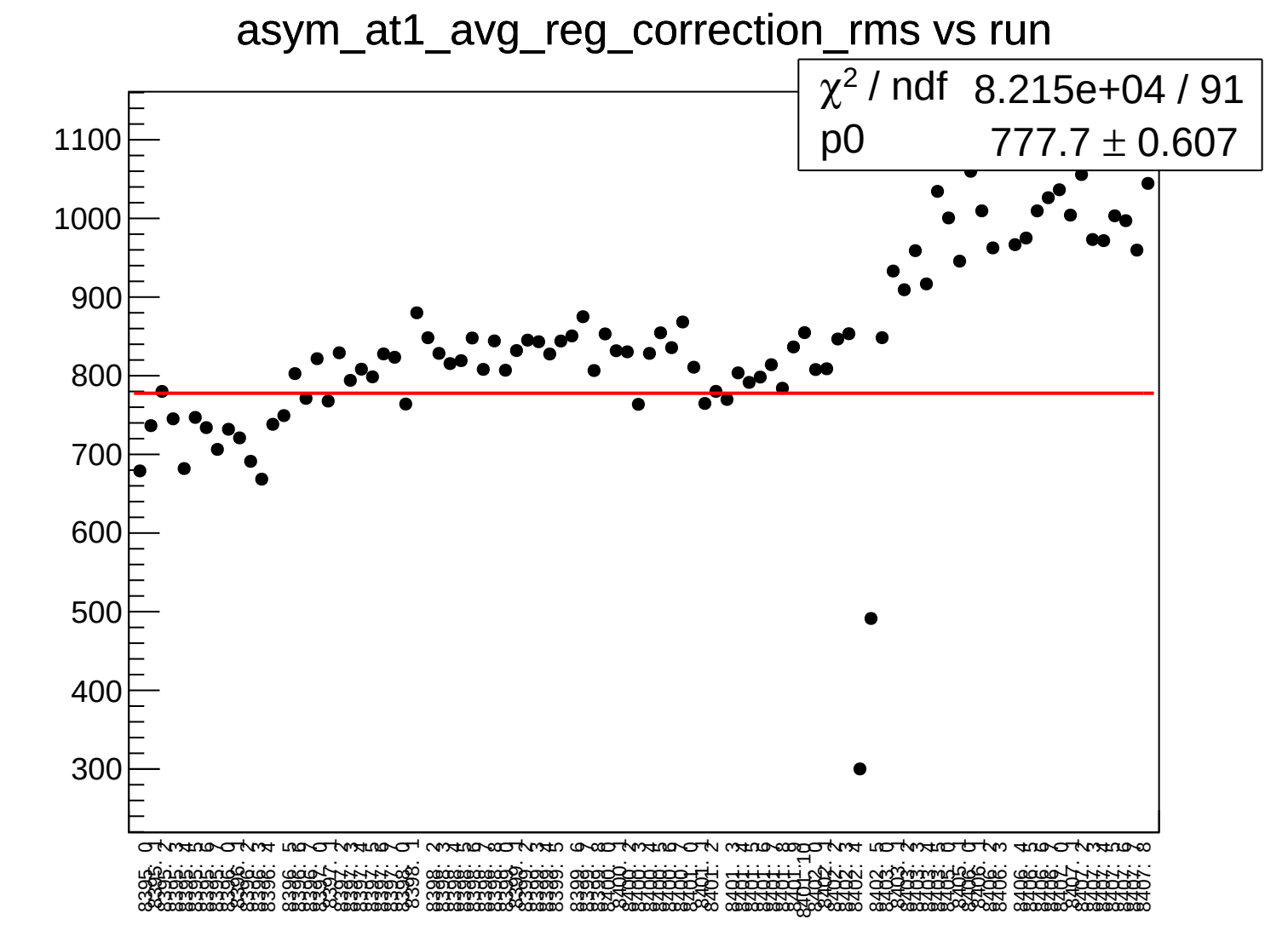

reg_asym_at1_avg_mean vs run
χ² / ndf 106.1 / 91
p0 24.65 ± 1943
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −433.4
Std Dev 0
2
1
0
−1
−2
−3

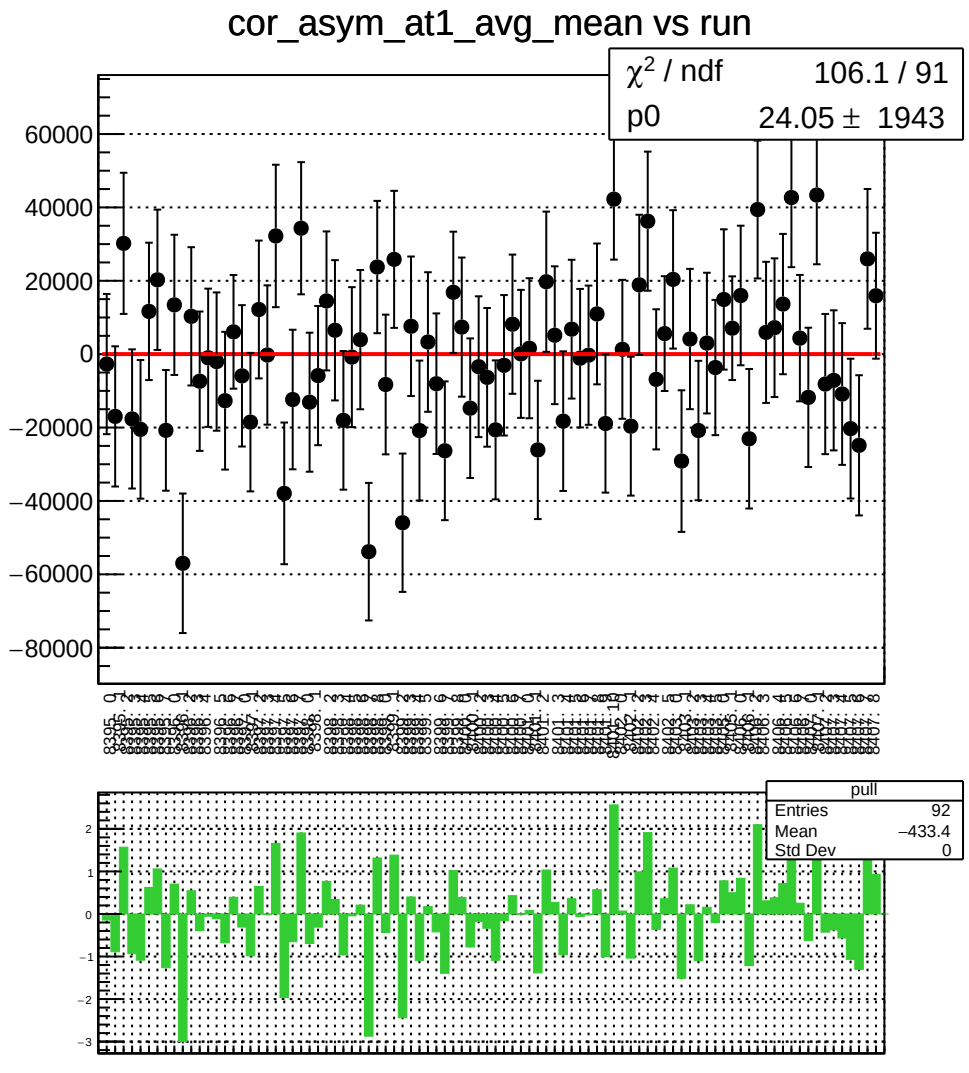

pull1D
Entries 92
Mean −0.01053
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

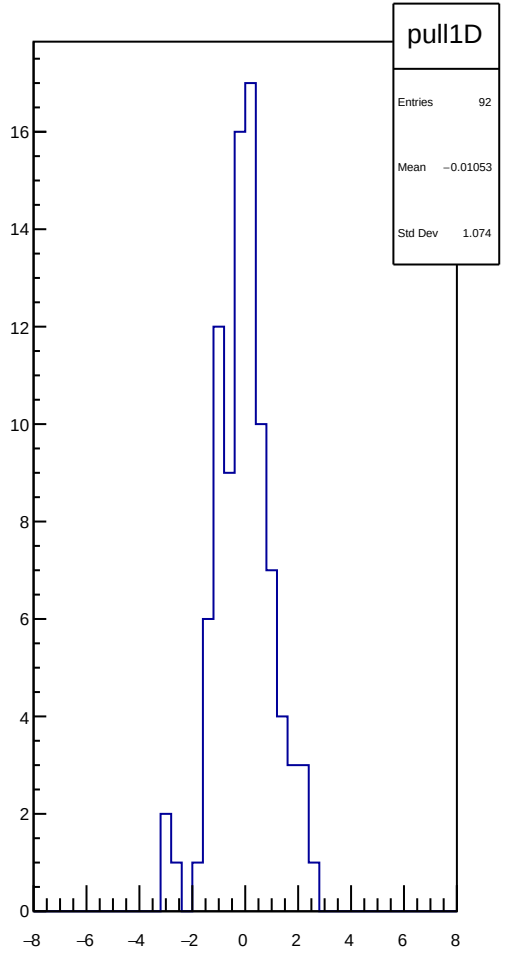

reg_asym_at1_avg_rms vs run
χ² / ndf 88.33 / 91
p0 1804 ± 1.374
1860
1840
1820
1800
1780
1760

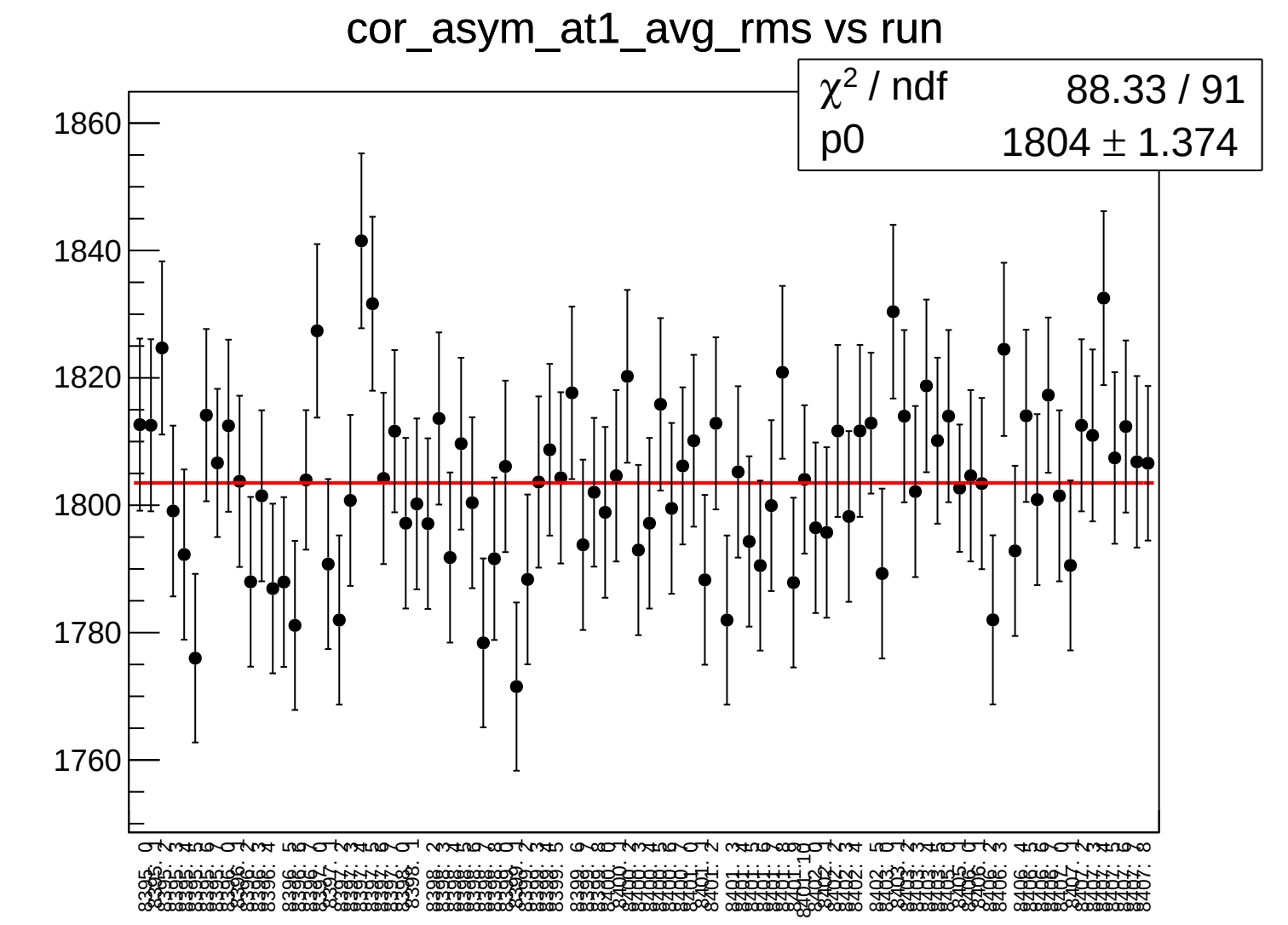

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 92.42 / 91
p0 −1012 ± 858.5
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 62.08
Std Dev 0
3
2
1
0
−1
−2
−3

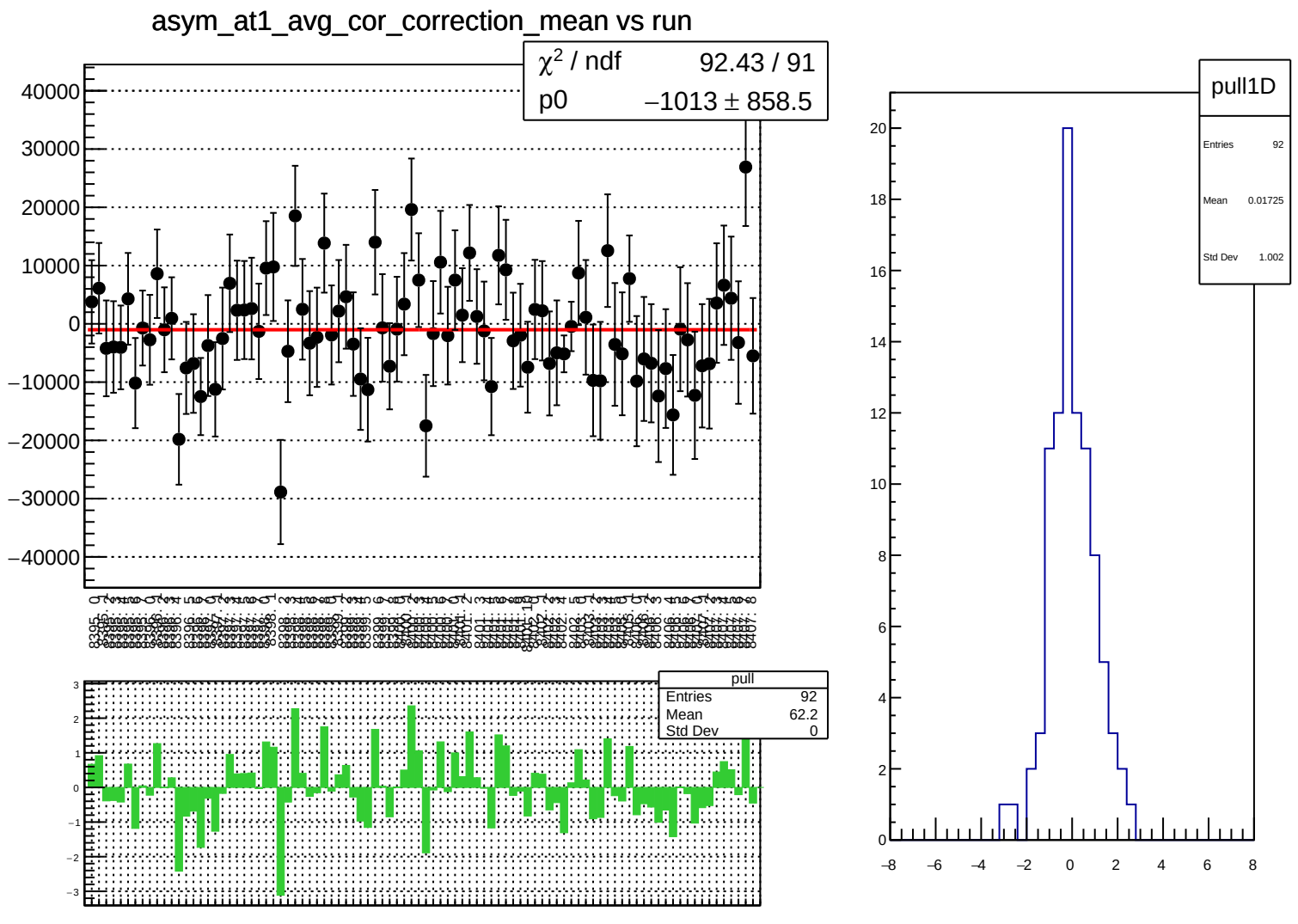

pull1D
Entries 92
Mean 0.01727
Std Dev 1.002
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

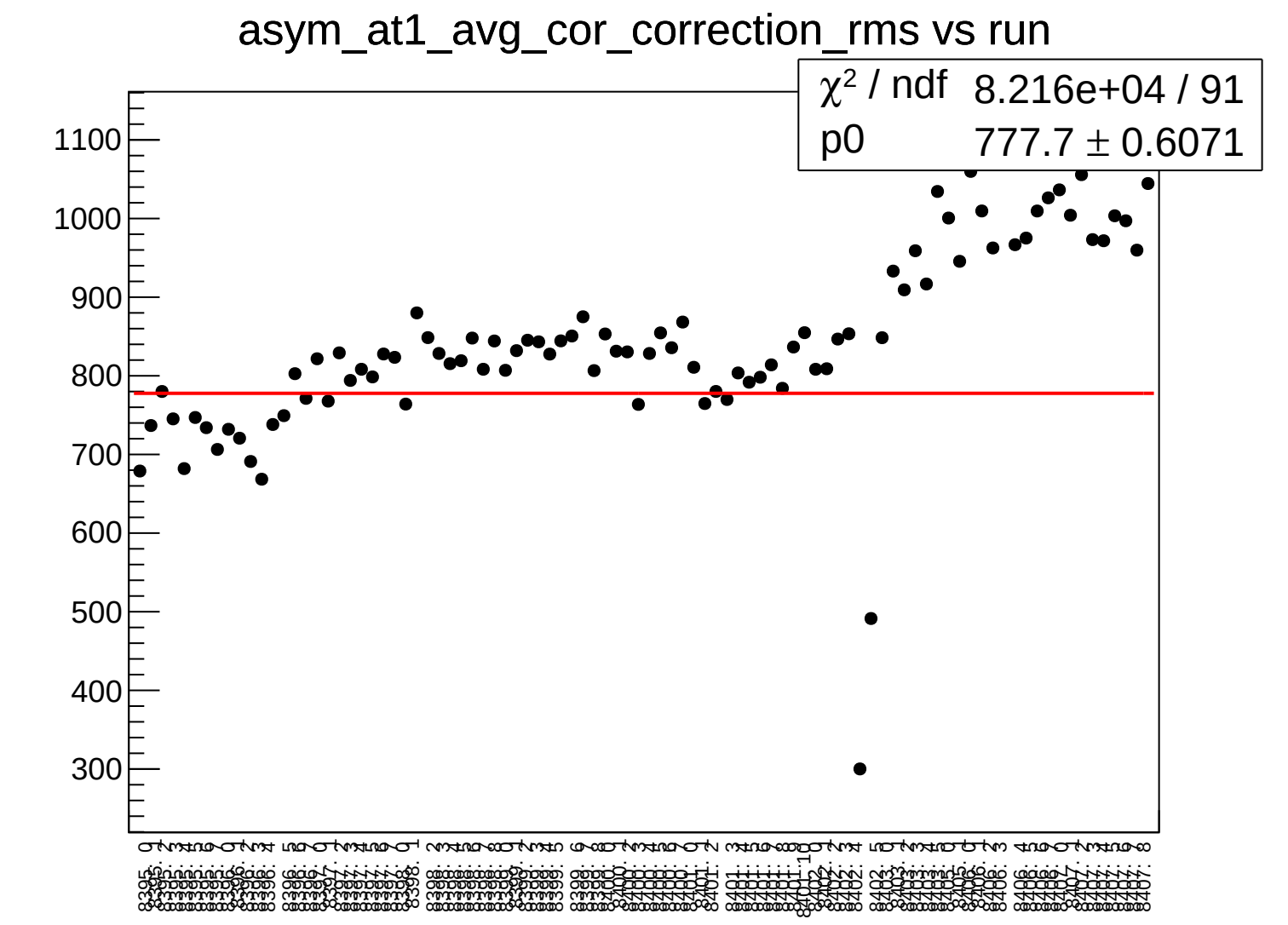

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 8.215e+04 / 91
p0 777.7 ± 0.607
1100
1000
900
800
700
600
500
400
300

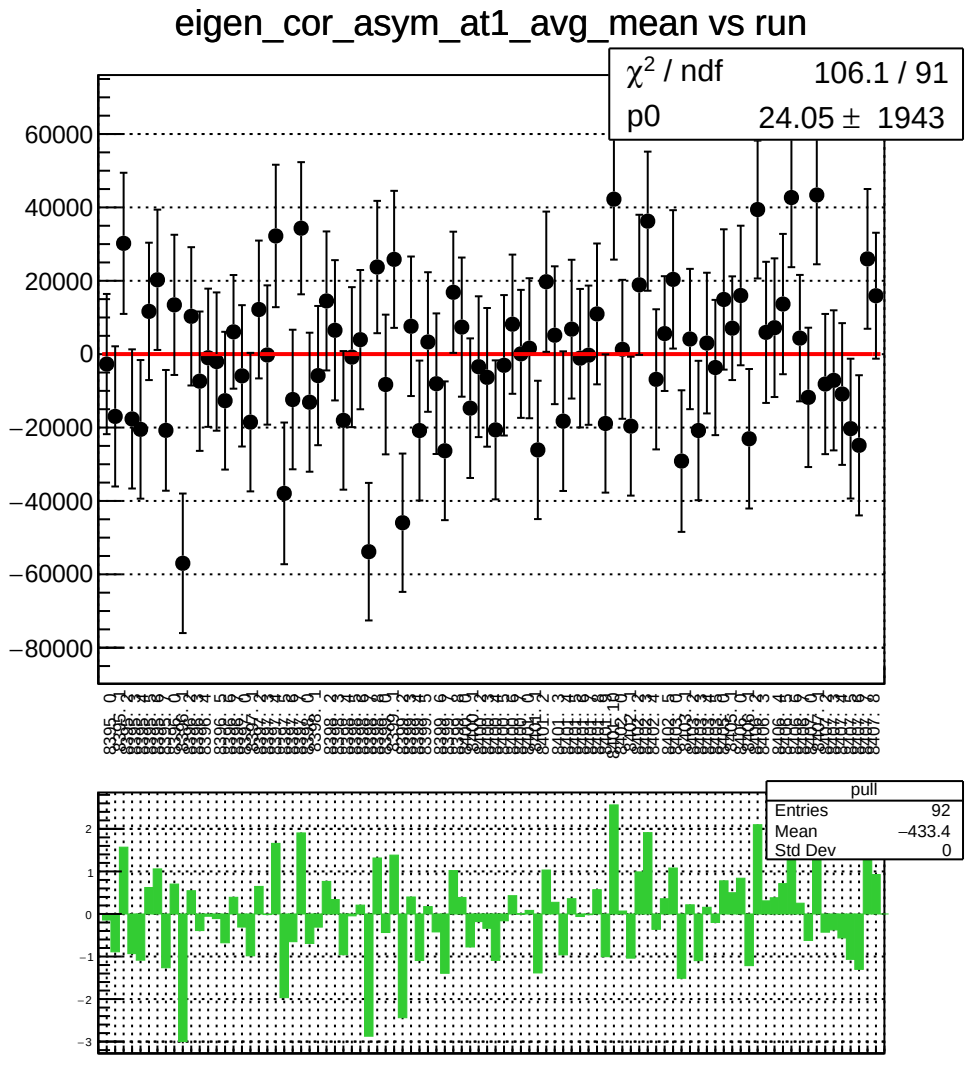

cor_asym_at1_avg_mean vs run
χ² / ndf 106.1 / 91
p0 24.05 ± 1943
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −433.4
Std Dev 0
2
1
0
−1
−2
−3

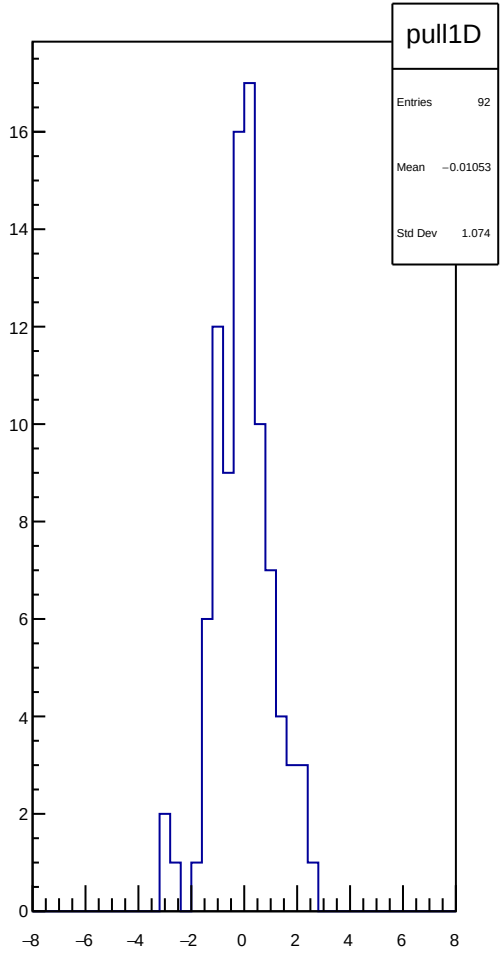

pull1D
Entries 92
Mean −0.01053
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

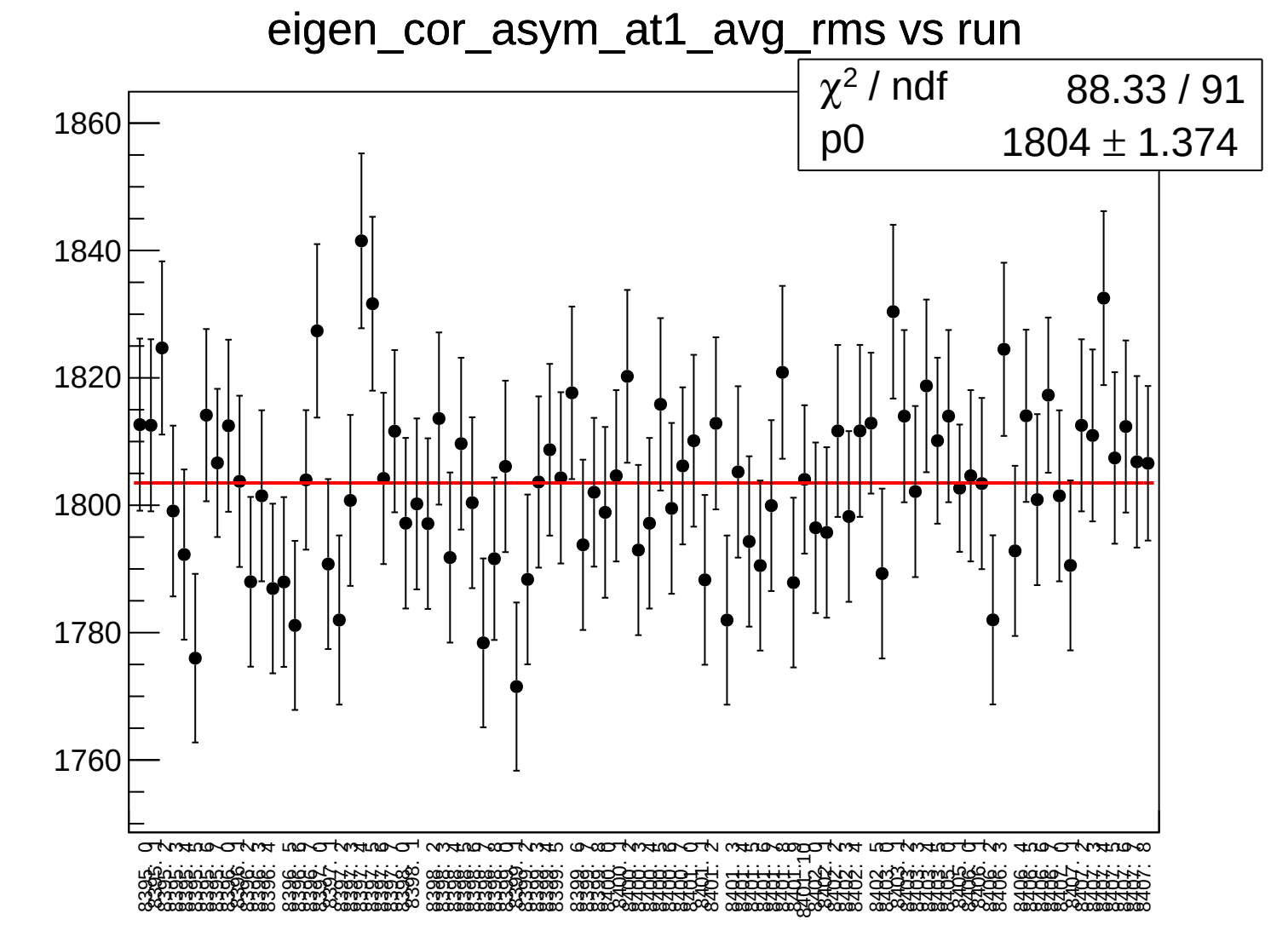

cor_asym_at1_avg_rms vs run
$\chi^2$ / ndf 88.33 / 91
p0 1804 ± 1.374
1860
1840
1820
1800
1780
1760

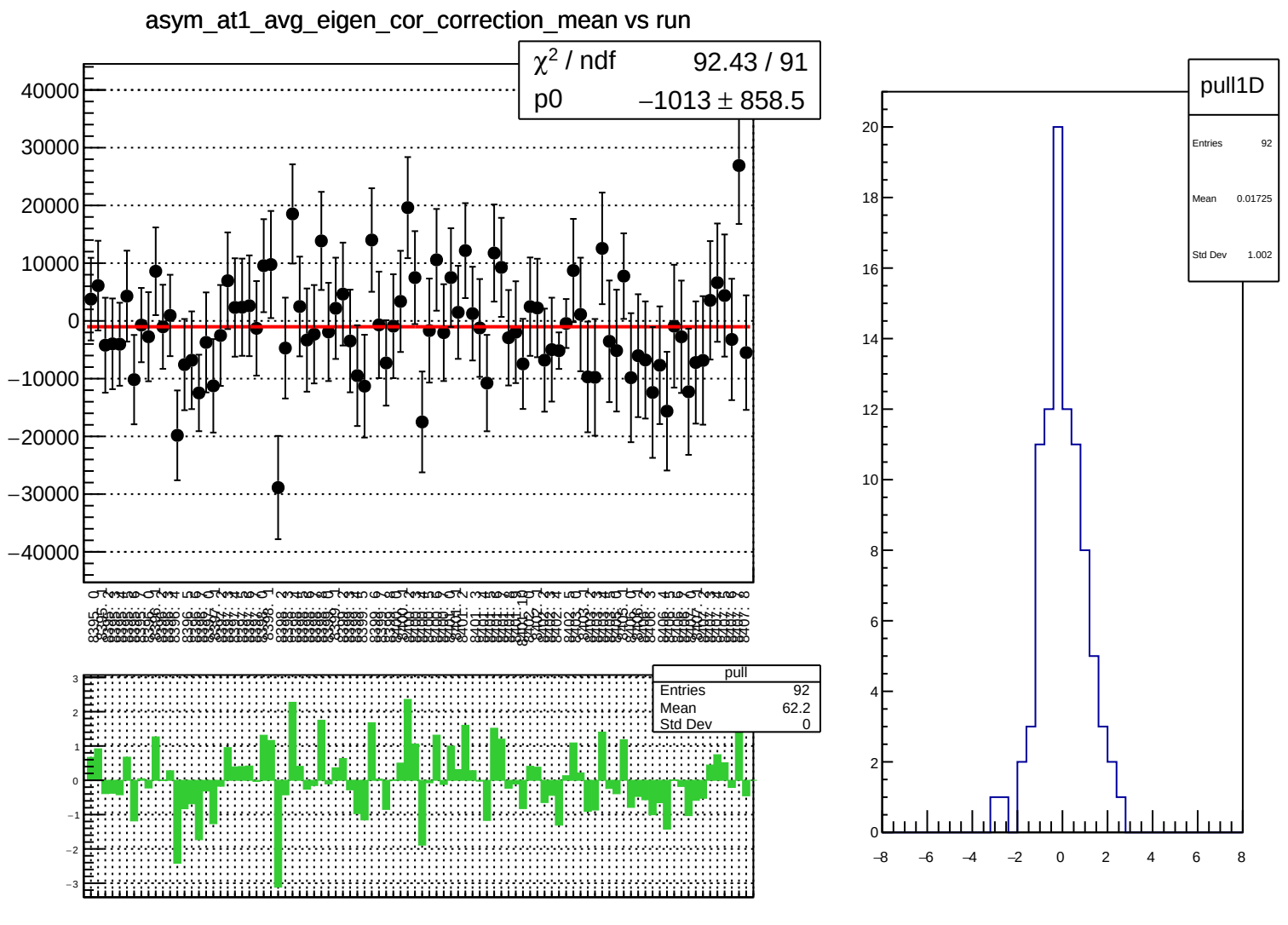

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 92.43 / 91
p0 −1013 ± 858.5
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 62.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.01725
Std Dev 1.002
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

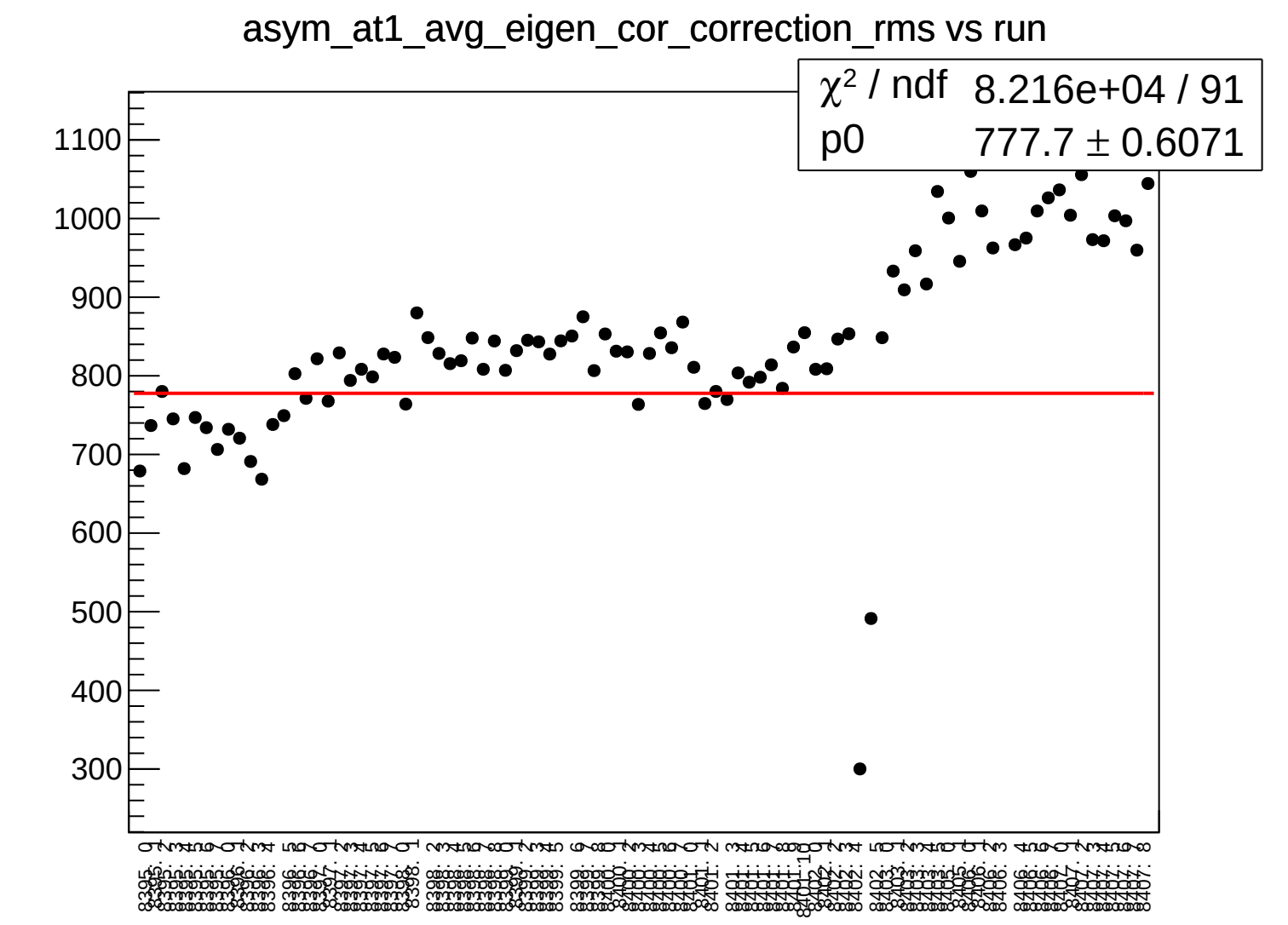

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 8.216e+04 / 91
p0 777.7 ± 0.6071
1100
1000
900
800
700
600
500
400
300

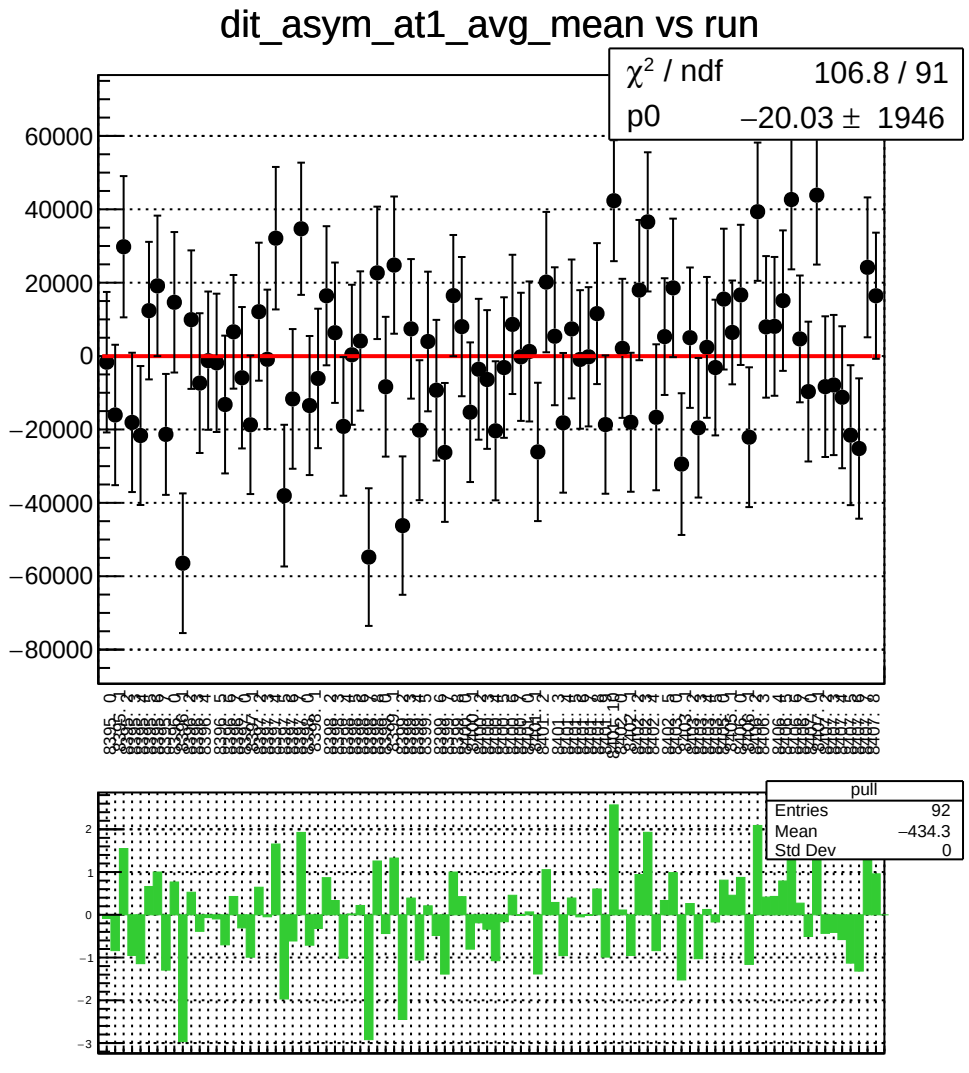

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 106.1 / 91
p0 24.05 ± 1943
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −433.4
Std Dev 0
2
1
0
−1
−2
−3

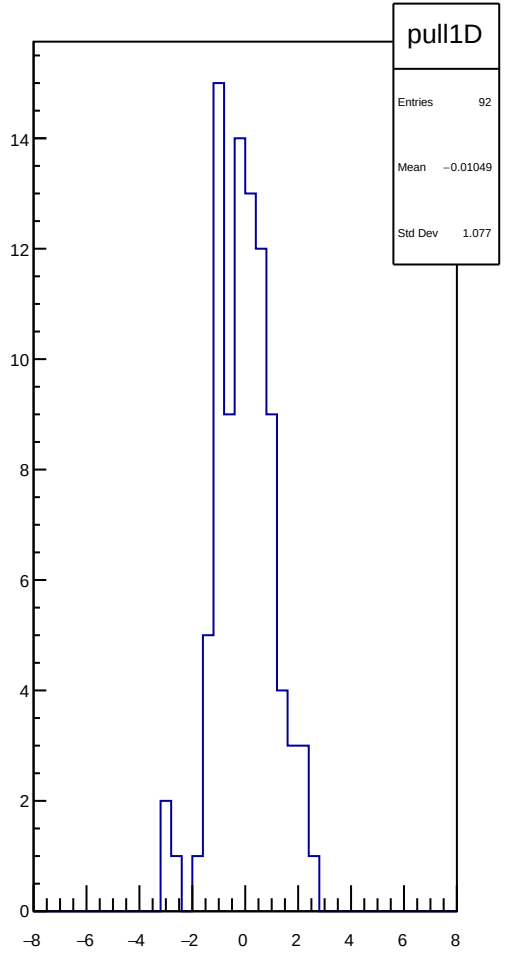

pull1D
Entries 92
Mean −0.01053
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

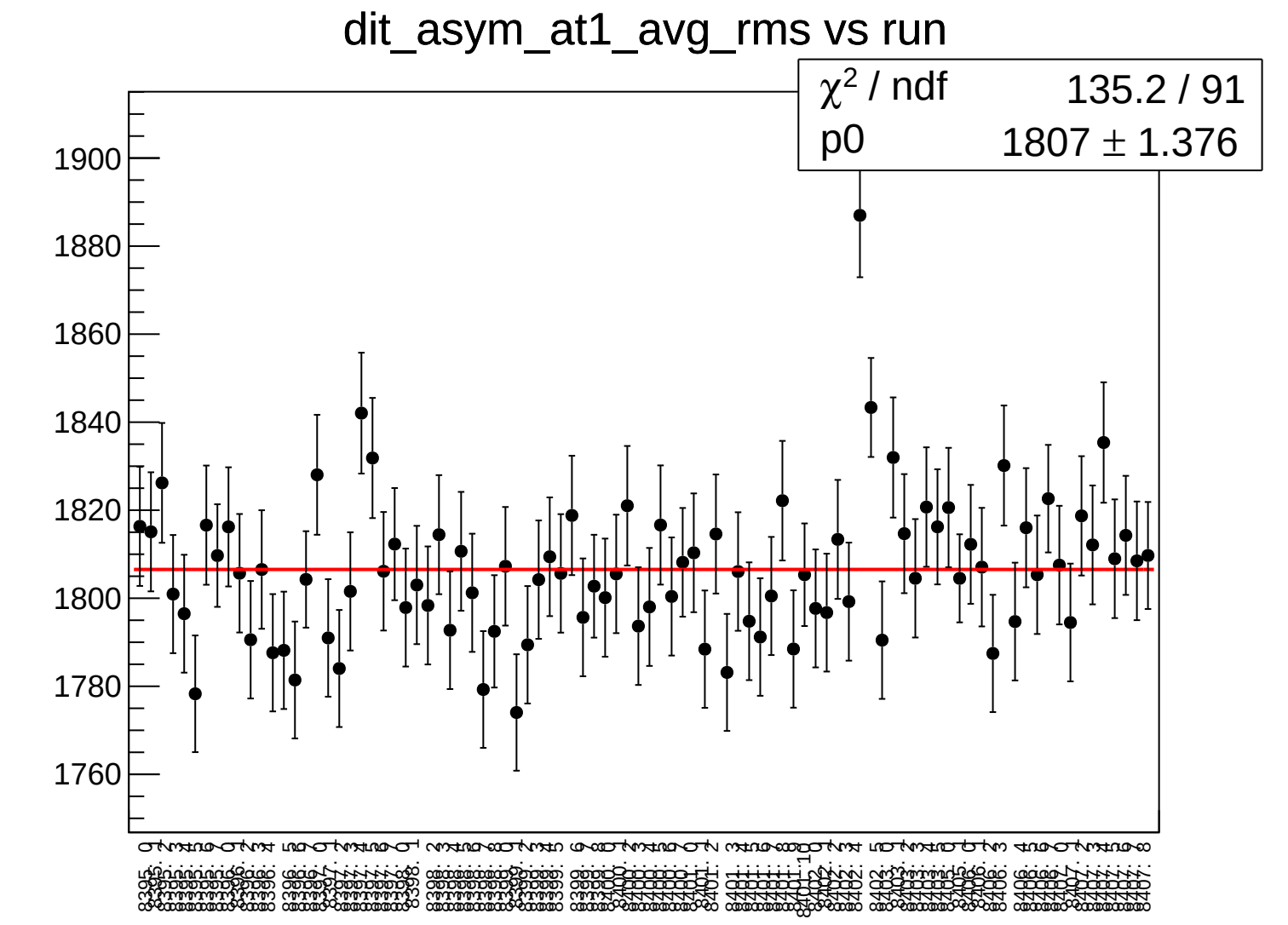

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 88.33 / 91
p0 1804 ± 1.374
1860
1840
1820
1800
1780
1760

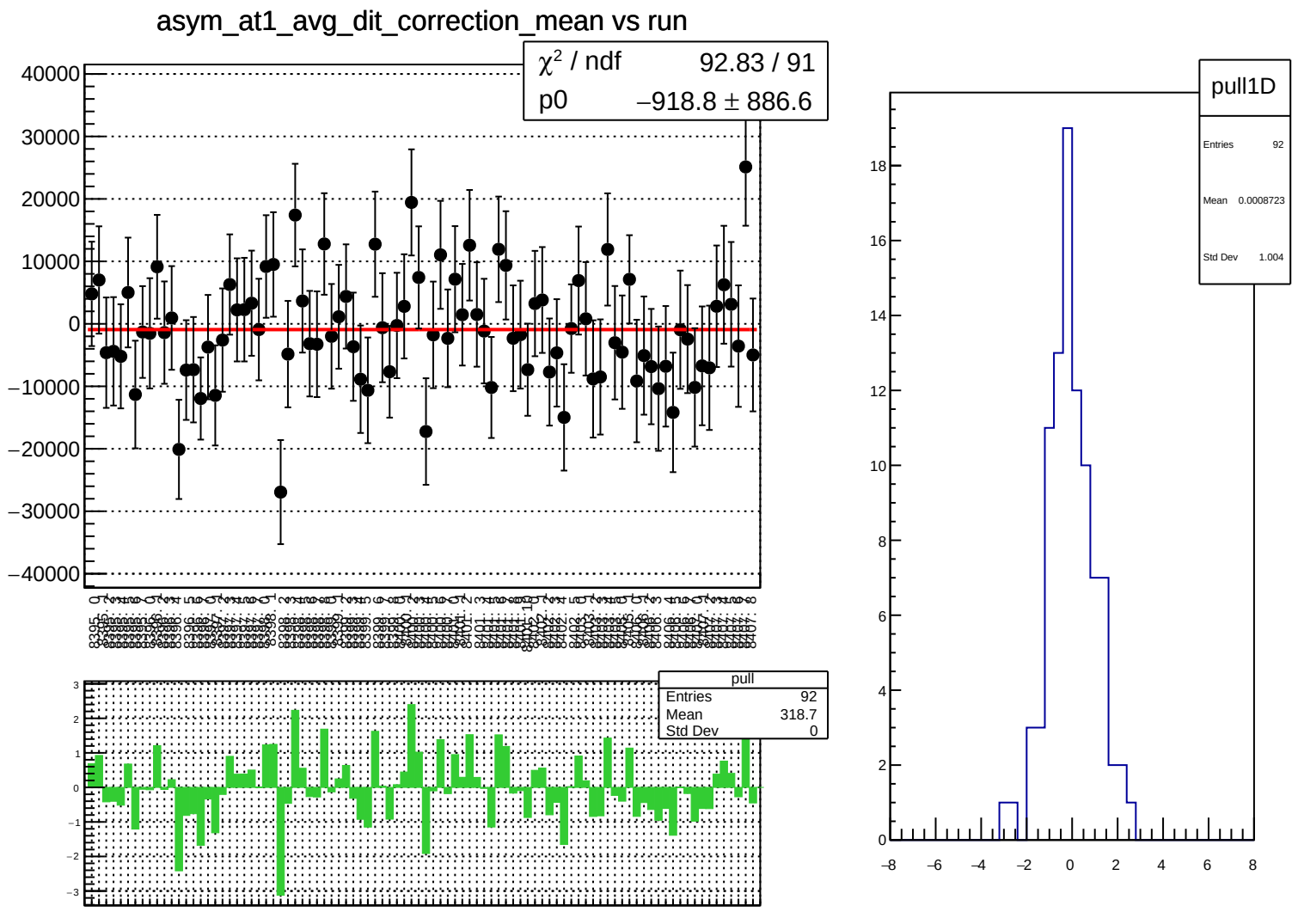

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 92.43 / 91
p0 −1013 ± 858.5
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 62.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.01725
Std Dev 1.002
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

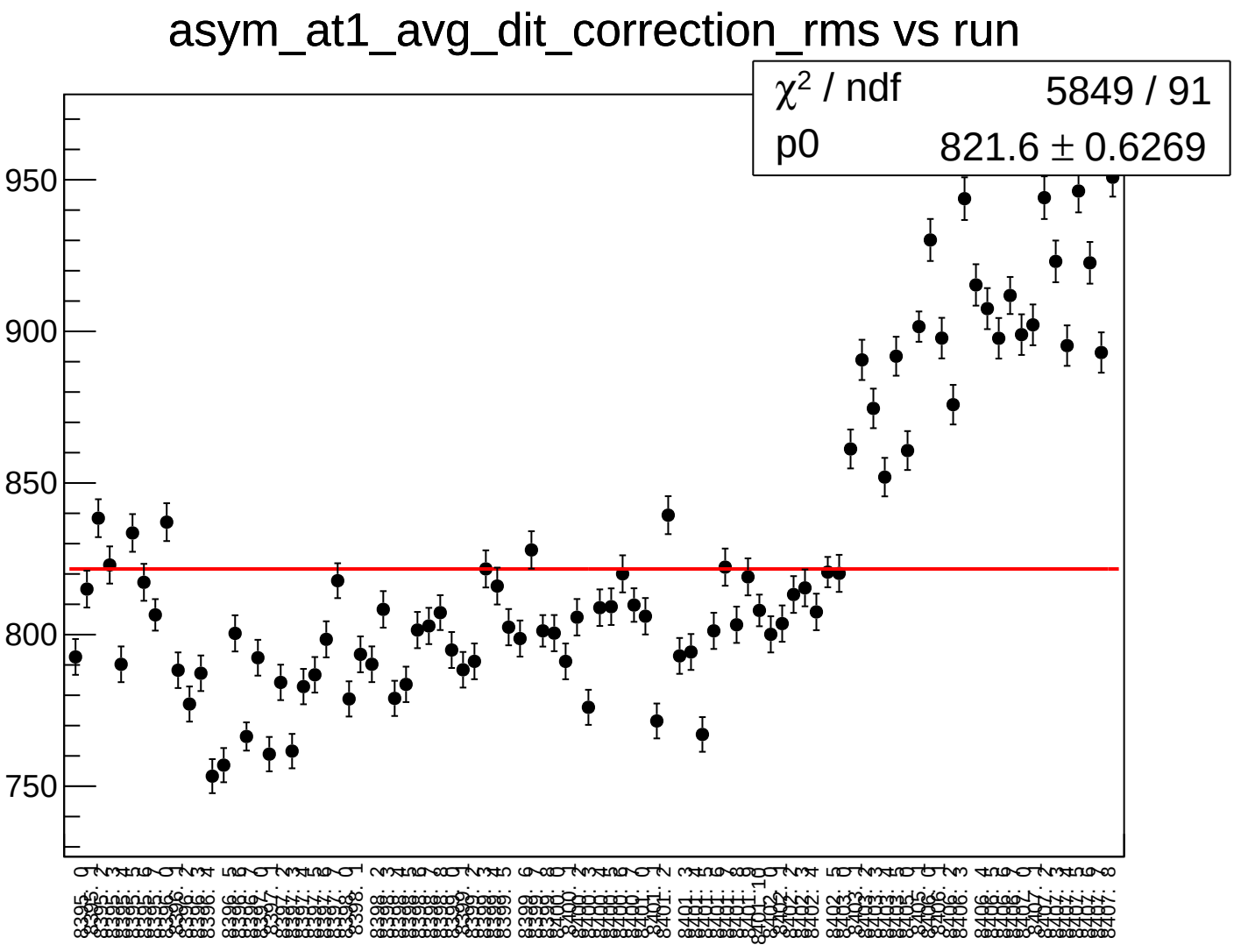

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.216e+04 / 91
p0 777.7 ± 0.6071
1100
1000
900
800
700
600
500
400
300

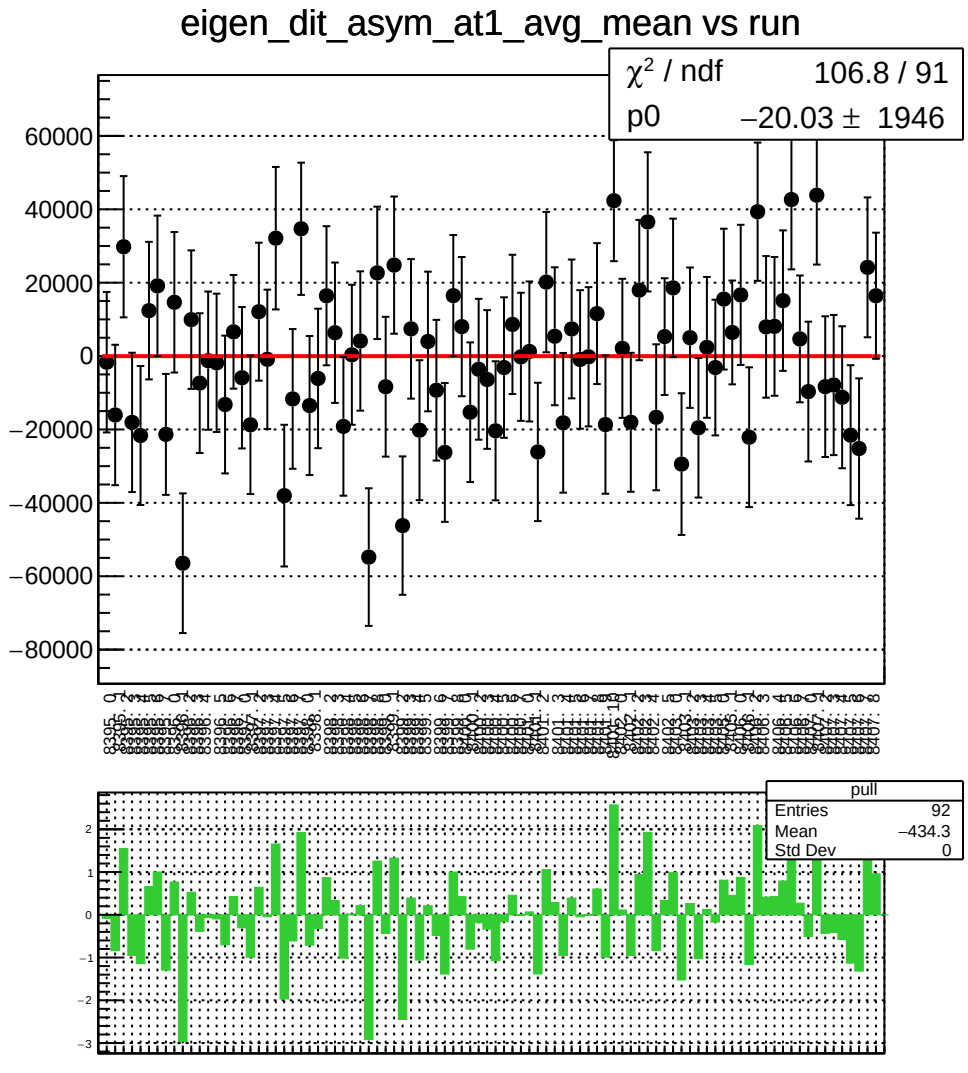

dit_asym_at1_avg_mean vs run
χ² / ndf 106.8 / 91
p0 −20.03 ± 1946
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −434.3
Std Dev 0
2
1
0
−1
−2
−3

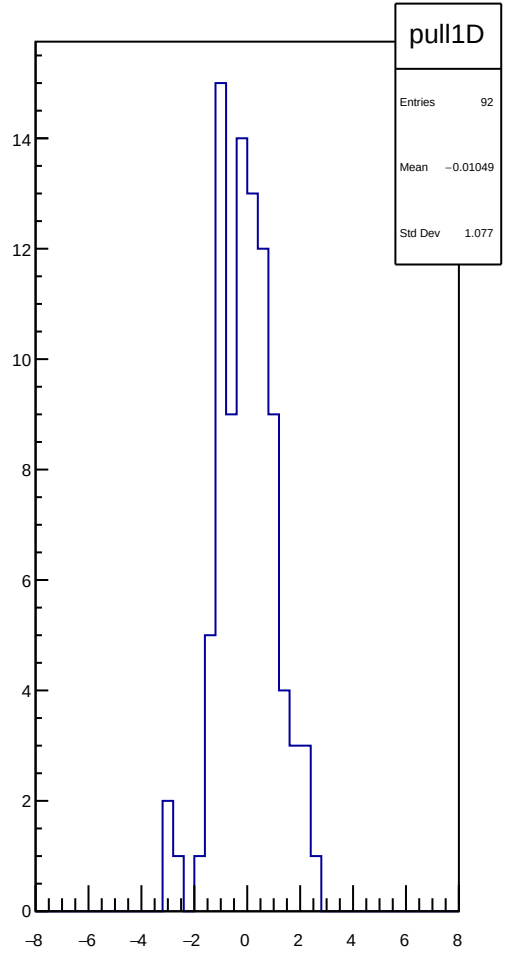

pull1D
Entries 92
Mean −0.01049
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

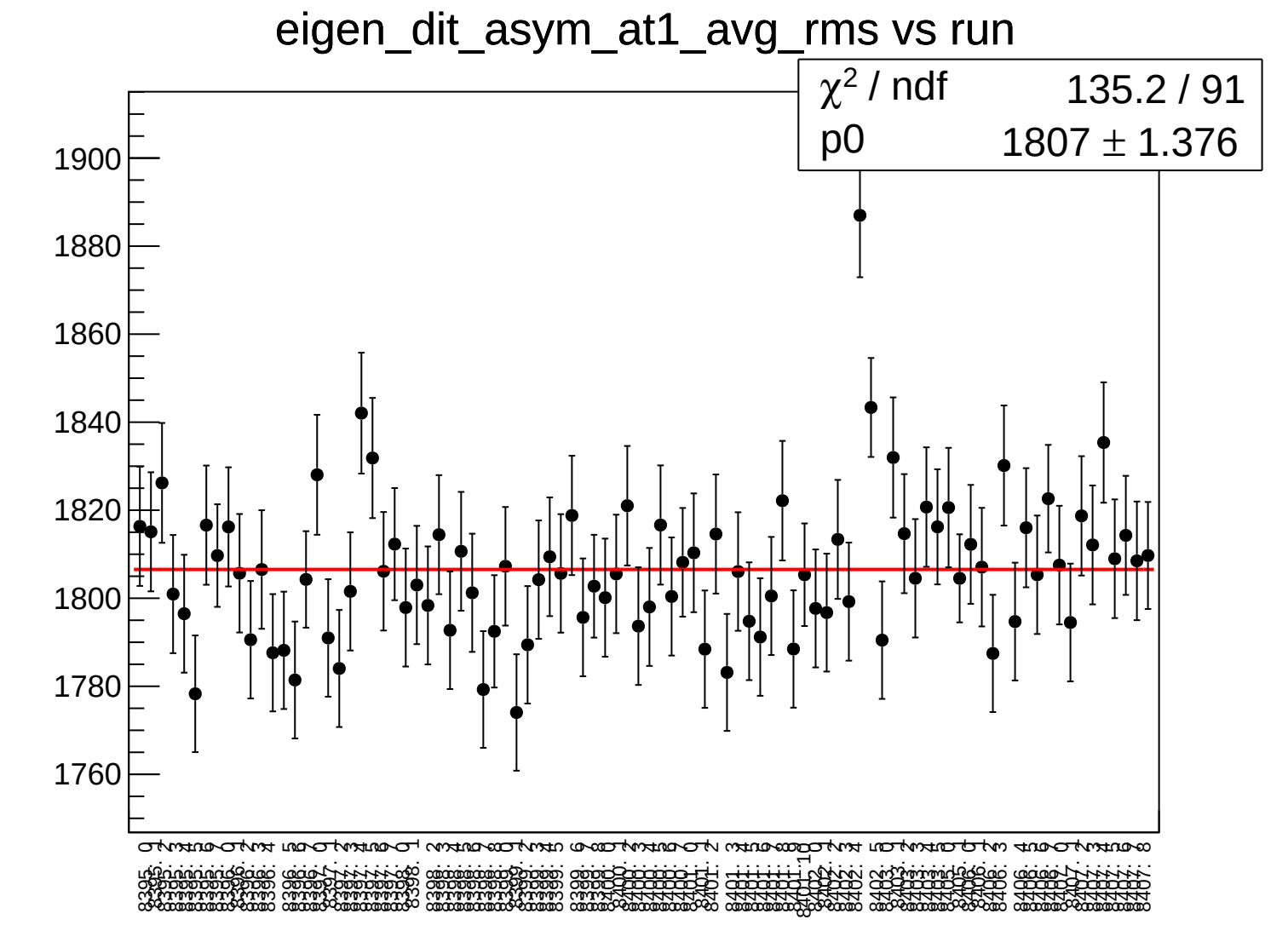

dit_asym_at1_avg_rms vs run
χ² / ndf 135.2 / 91
p0 1807 ± 1.376
1900
1880
1860
1840
1820
1800
1780
1760

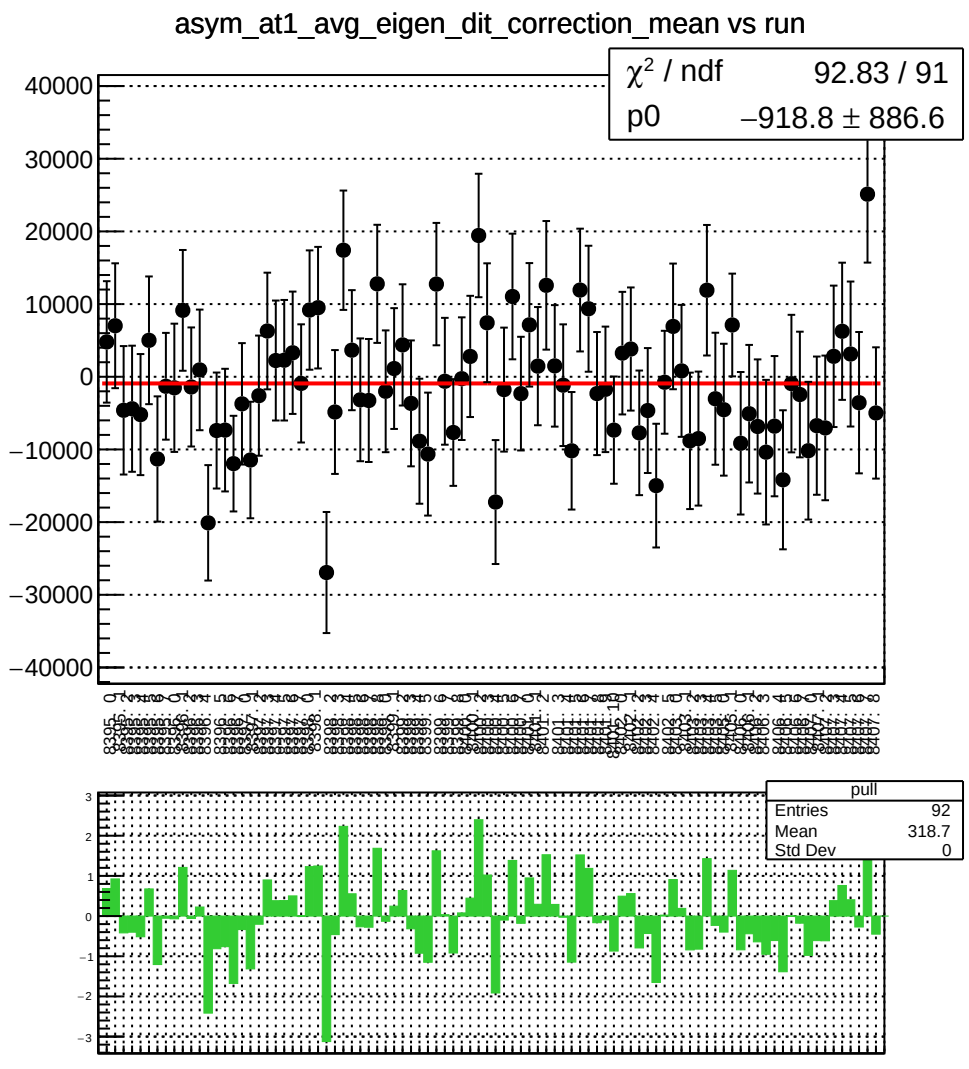

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 92.83 / 91
p0 −918.8 ± 886.6
pull
Entries 92
Mean 318.7
Std Dev 0
pull1D
Entries 92
Mean 0.0008723
Std Dev 1.004

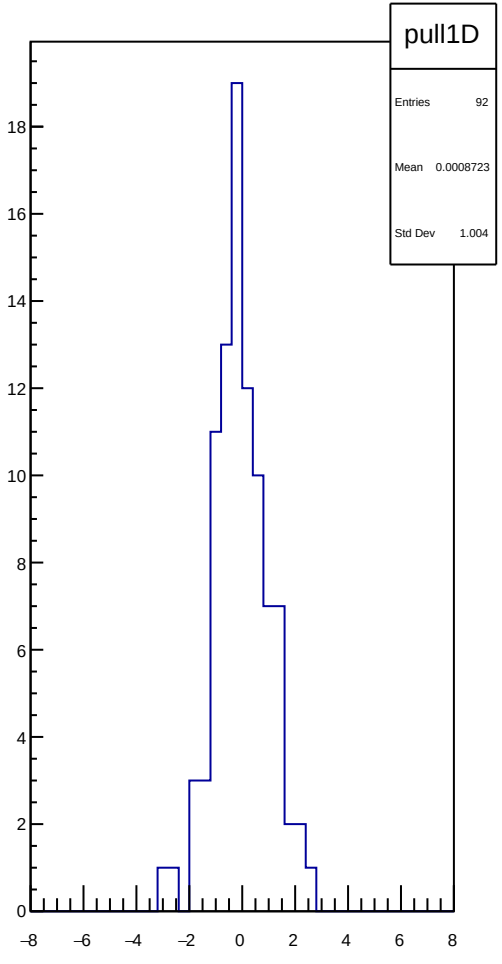

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 5849 / 91
p0 821.6 ± 0.6269
950
900
850
800
750

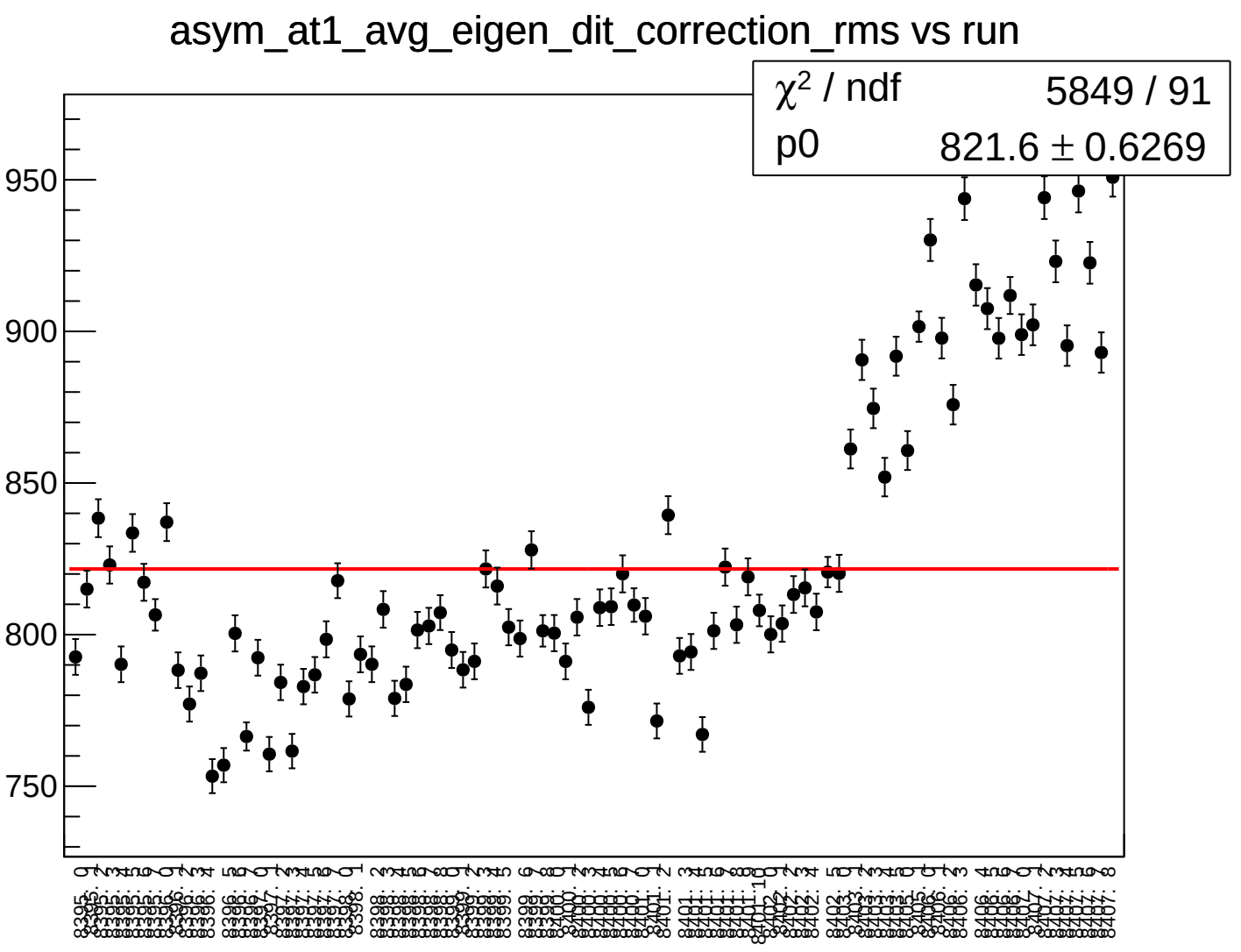

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 106.8 / 91
p0 −20.03 ± 1946
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −434.3
Std Dev 0
2
1
0
−1
−2
−3

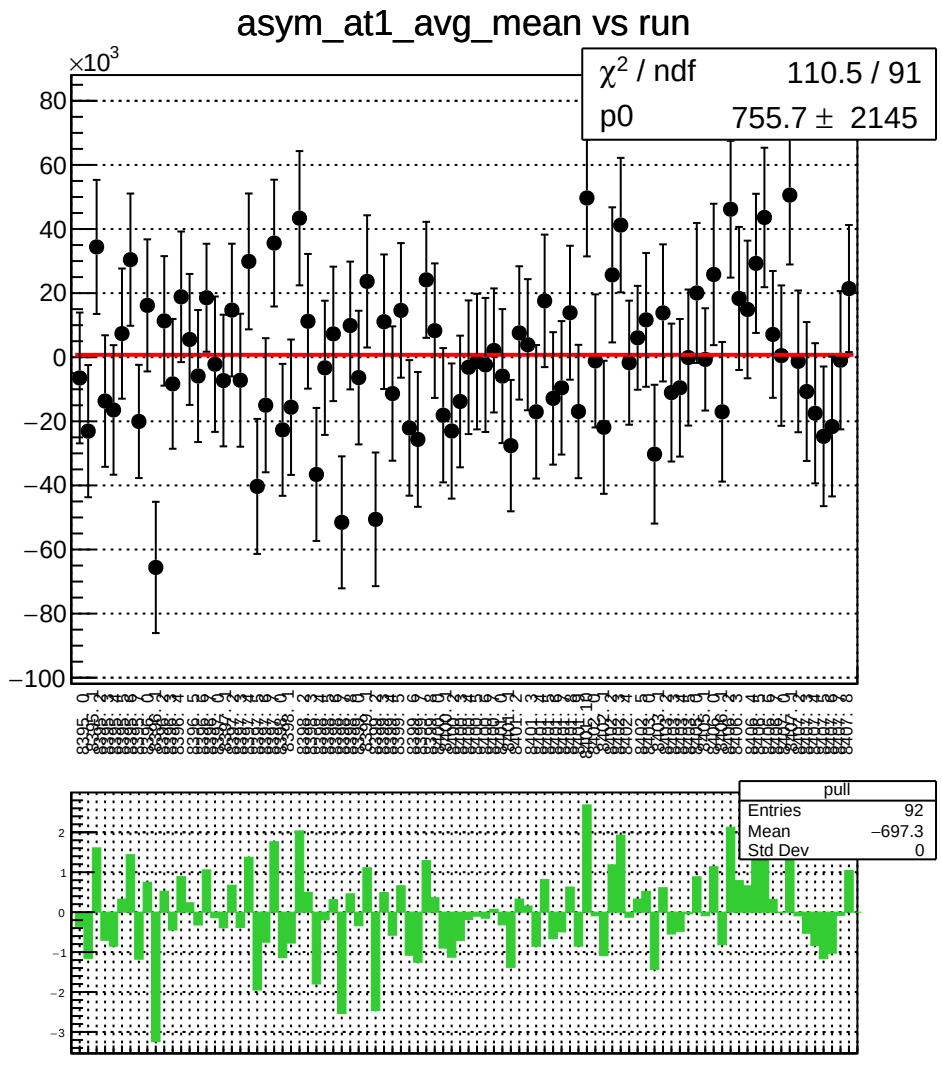

pull1D
Entries 92
Mean −0.01049
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

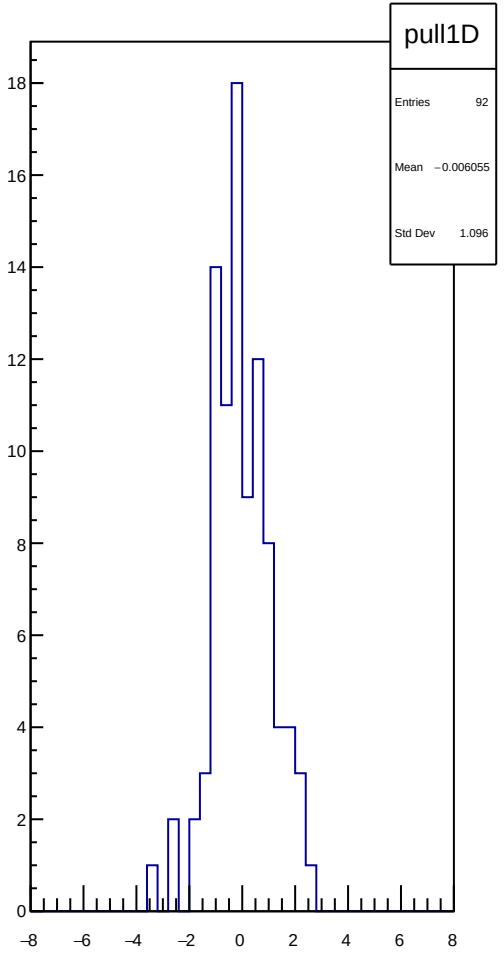

eigen_dit_asym_at1_avg_rms vs run
$\chi^2$ / ndf 135.2 / 91
p0 1807 ± 1.376
1900
1880
1860
1840
1820
1800
1780
1760

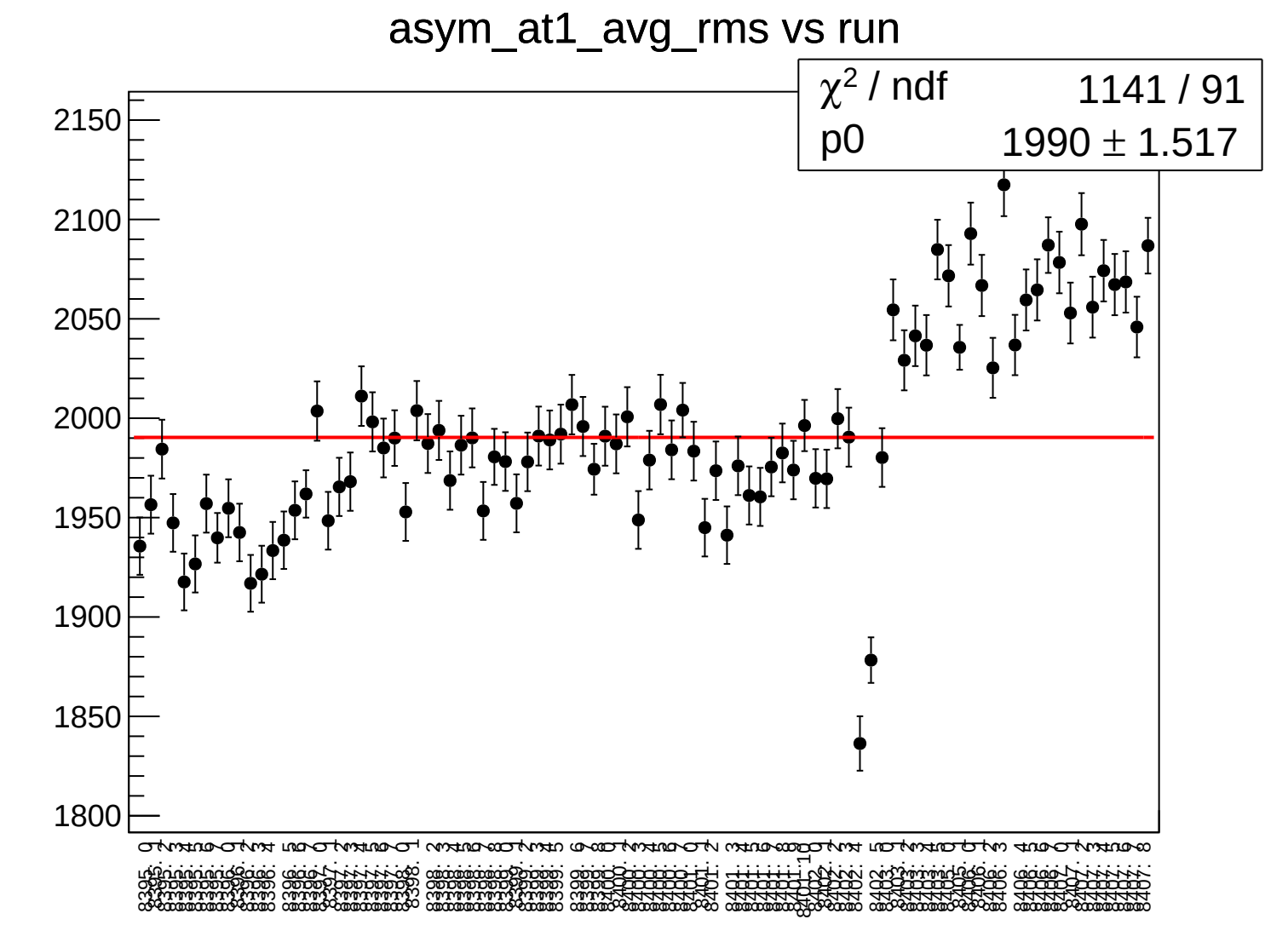

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 92.83 / 91
p0 −918.8 ± 886.6
pull
Entries 92
Mean 318.7
Std Dev 0

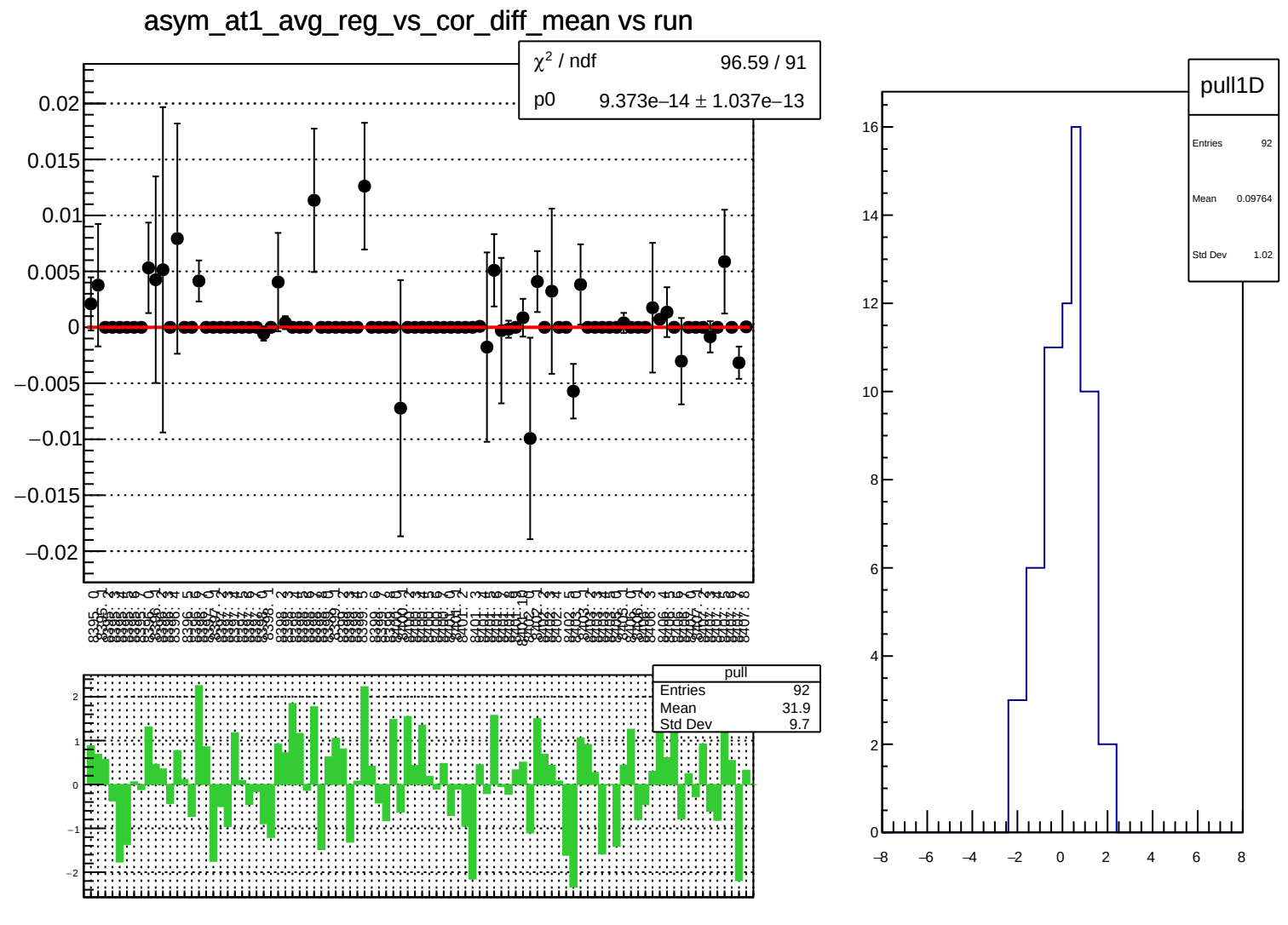

pull1D
Entries 92
Mean 0.0008723
Std Dev 1.004

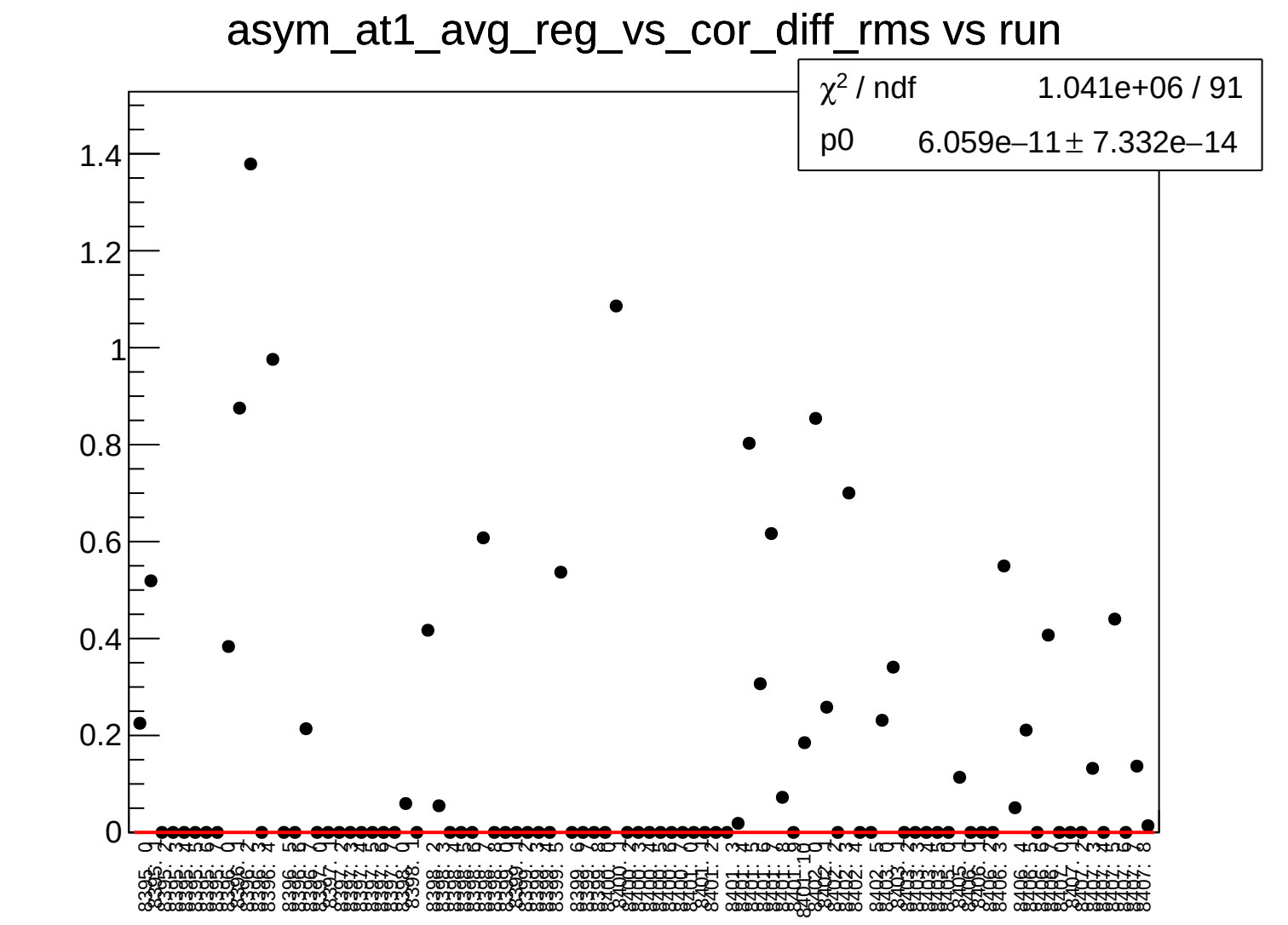

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 5849 / 91
p0 821.6 ± 0.6269
950
900
850
800
750

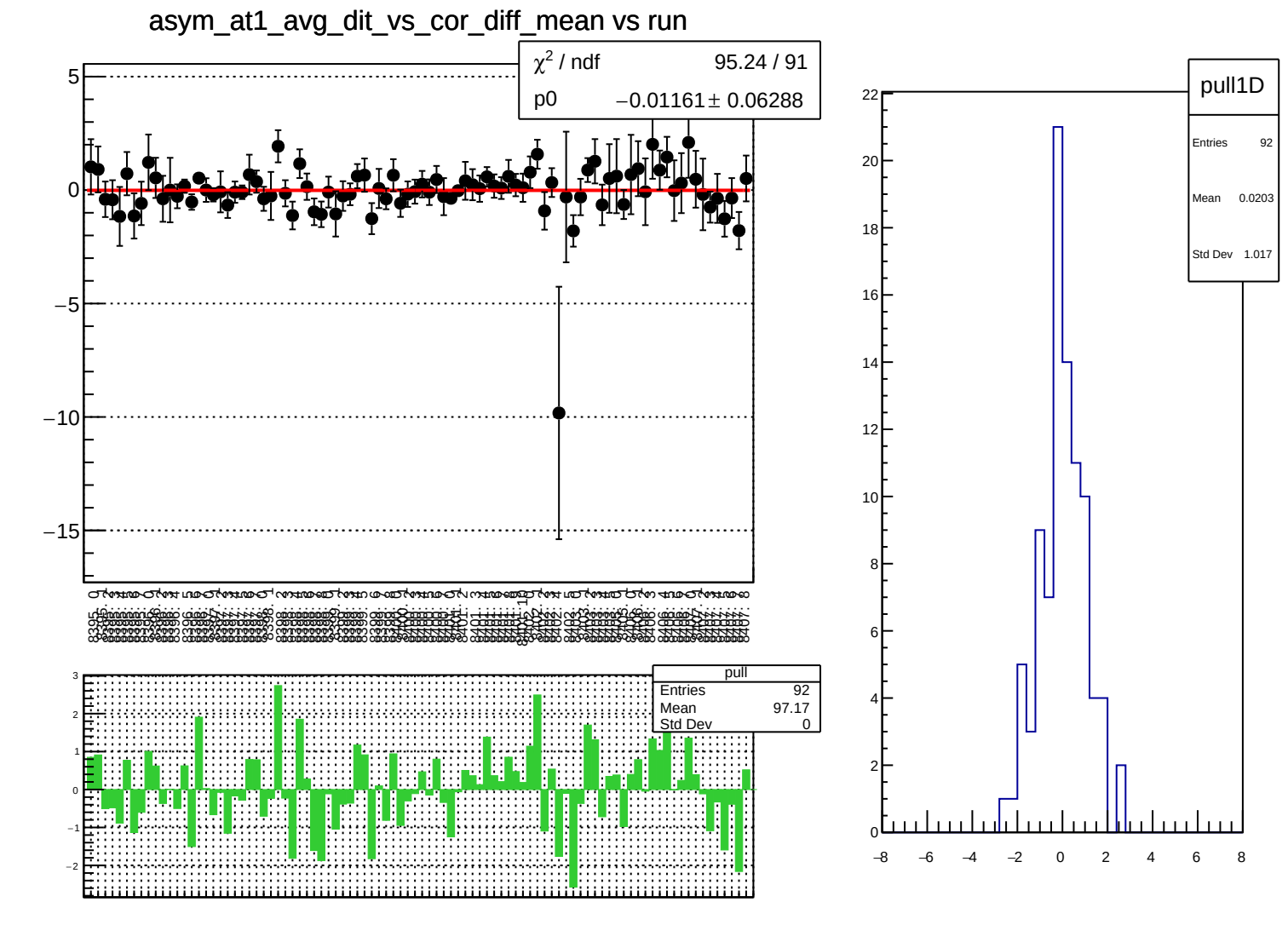

asym_at1_avg_mean vs run
×10^3
χ² / ndf 110.5 / 91
p0 755.7 ± 2145
pull
Entries 92
Mean −697.3
Std Dev 0

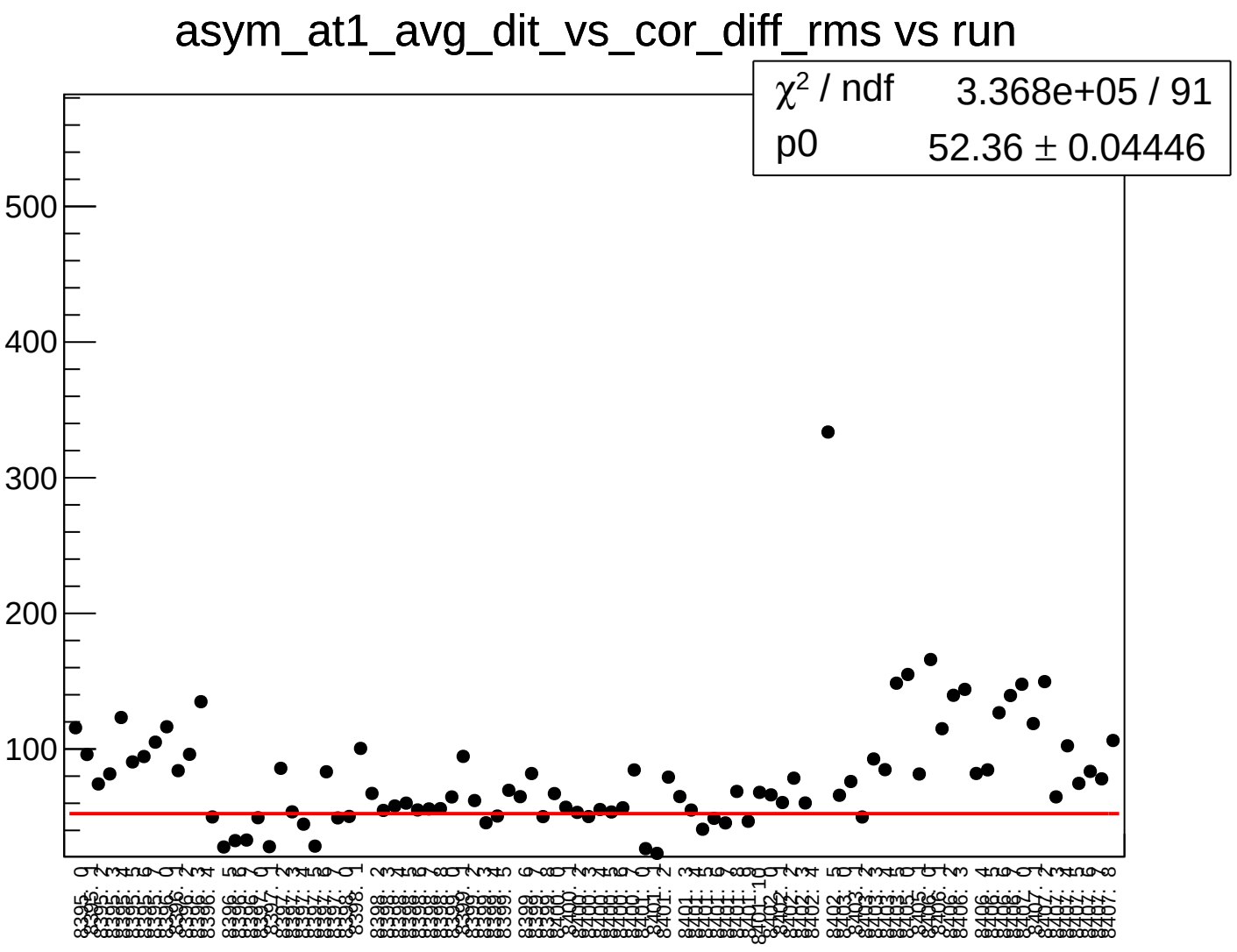

pull1D
Entries 92
Mean −0.006055
Std Dev 1.096

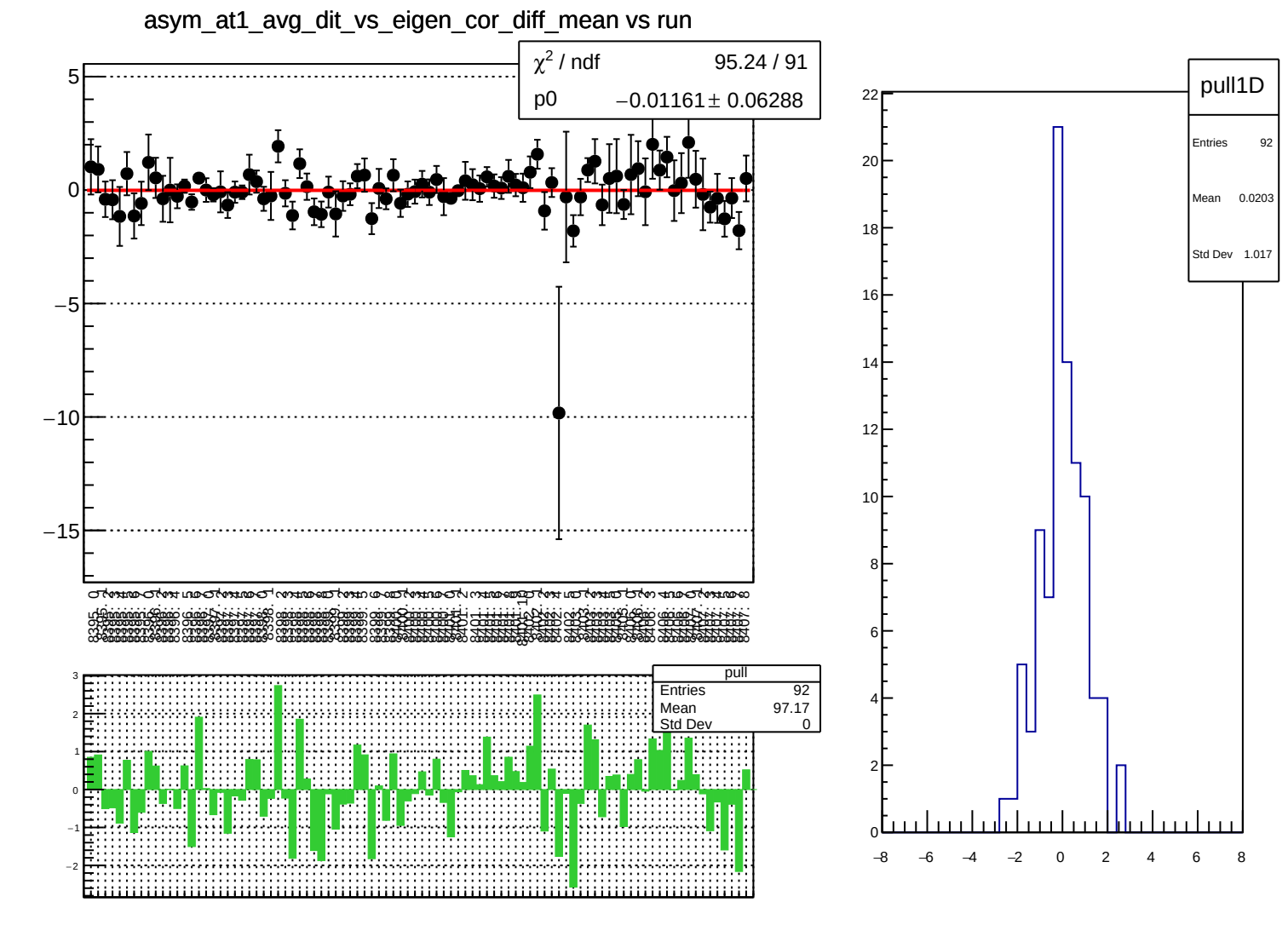

asym_at1_avg_rms vs run
$\chi^2$ / ndf 1141 / 91
p0 1990 ± 1.517
2150
2100
2050
2000
1950
1900
1850
1800

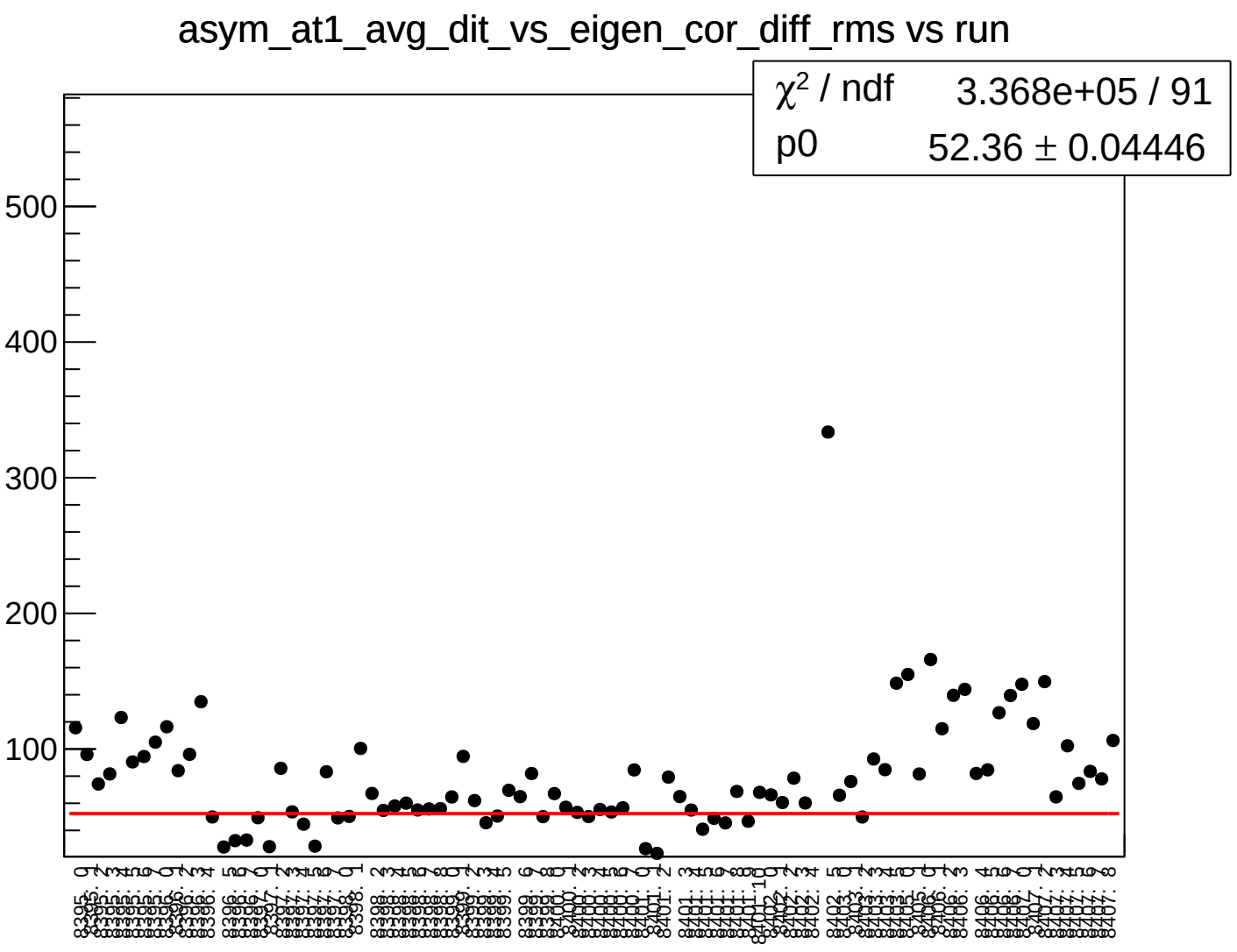

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 96.59 / 91
p0 9.373e−14 ± 1.037e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 92
Mean 31.9
Std Dev 9.7
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.09764
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

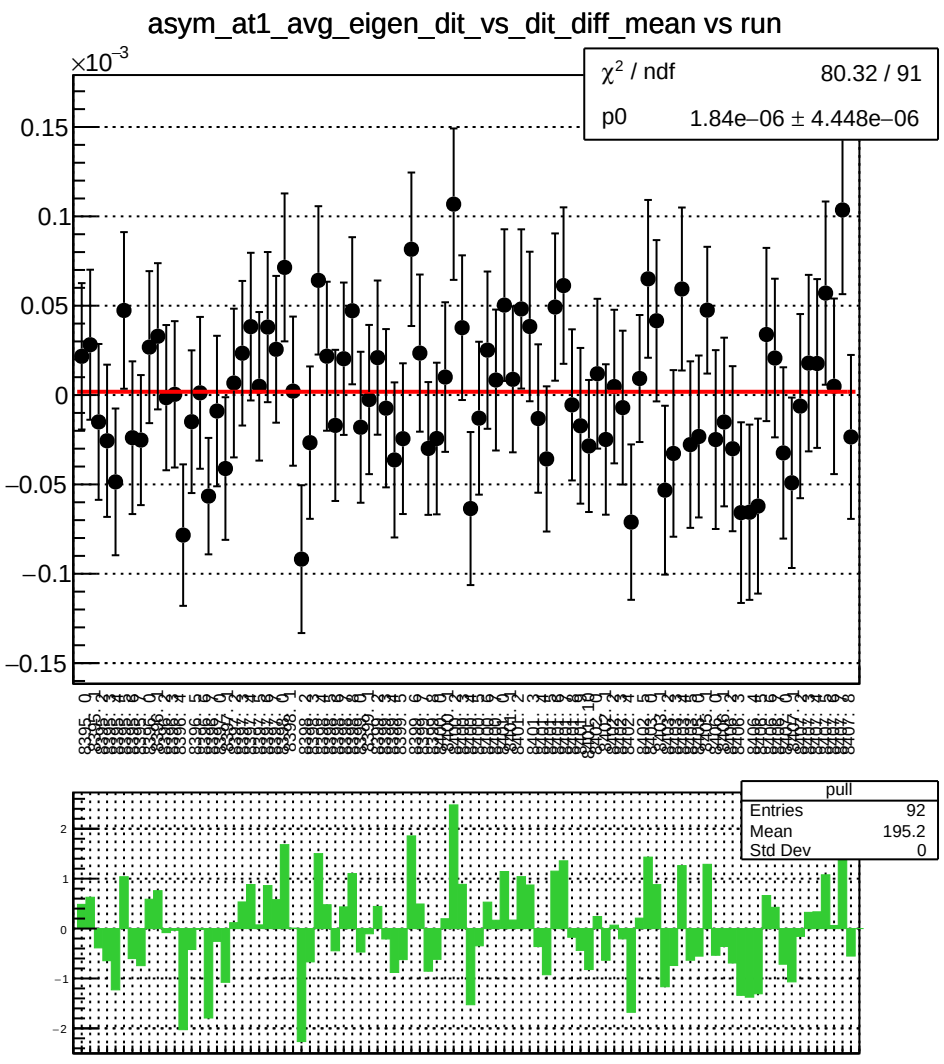

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.041e+06 / 91
p0 6.059e−11 ± 7.332e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

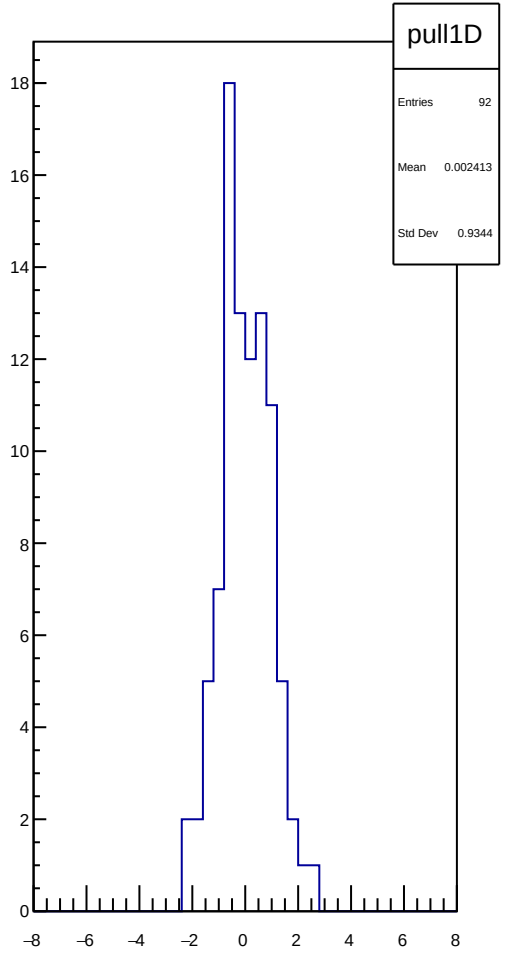

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 95.24 / 91
p0 −0.01161 ± 0.06288
pull
Entries 92
Mean 97.17
Std Dev 0
pull1D
Entries 92
Mean 0.0203
Std Dev 1.017

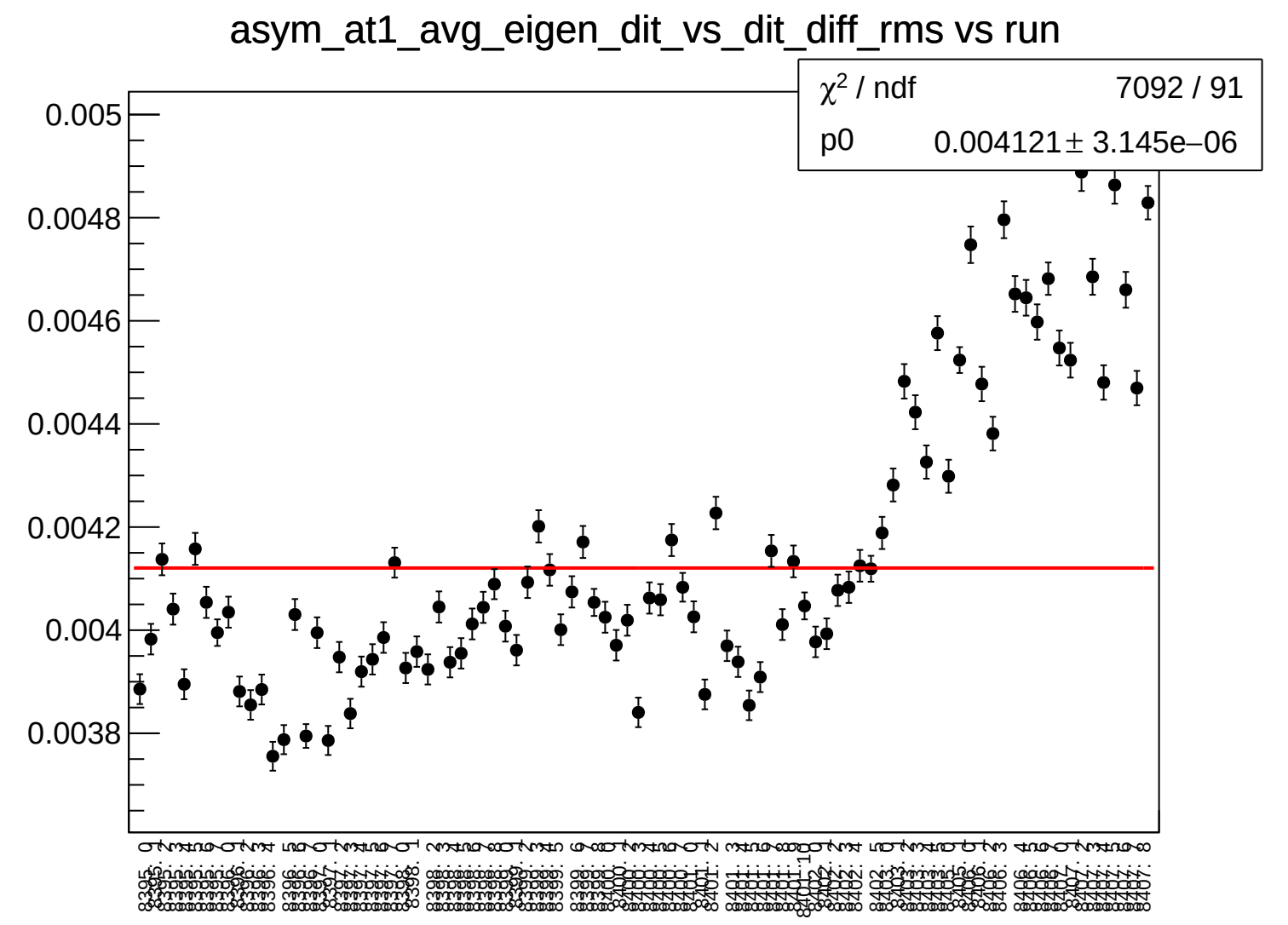

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.368e+05 / 91
p0 52.36 ± 0.04446
500
400
300
200
100

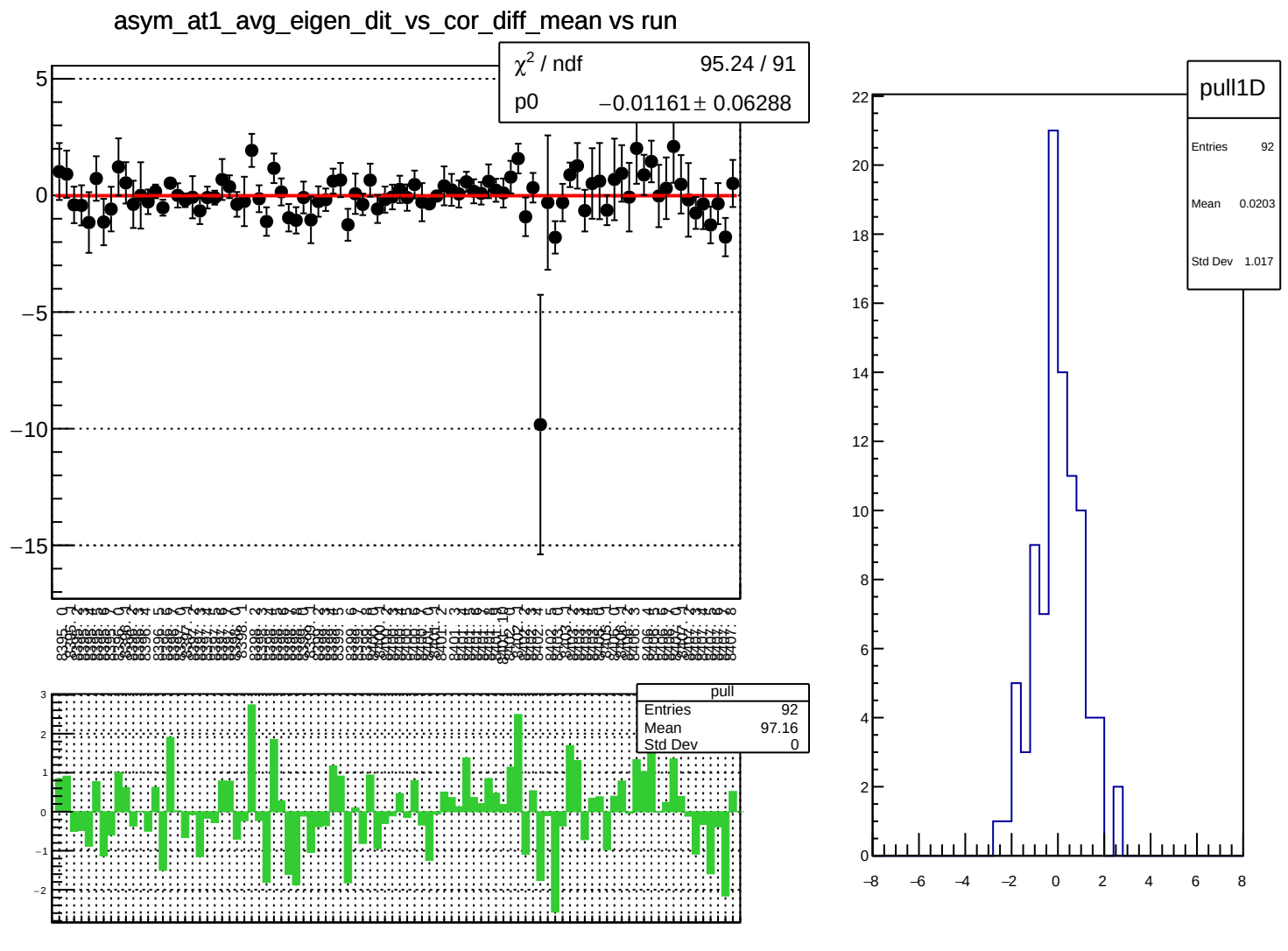

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.24 / 91
p0 −0.01161 ± 0.06288
pull
Entries 92
Mean 97.17
Std Dev 0
pull1D
Entries 92
Mean 0.0203
Std Dev 1.017

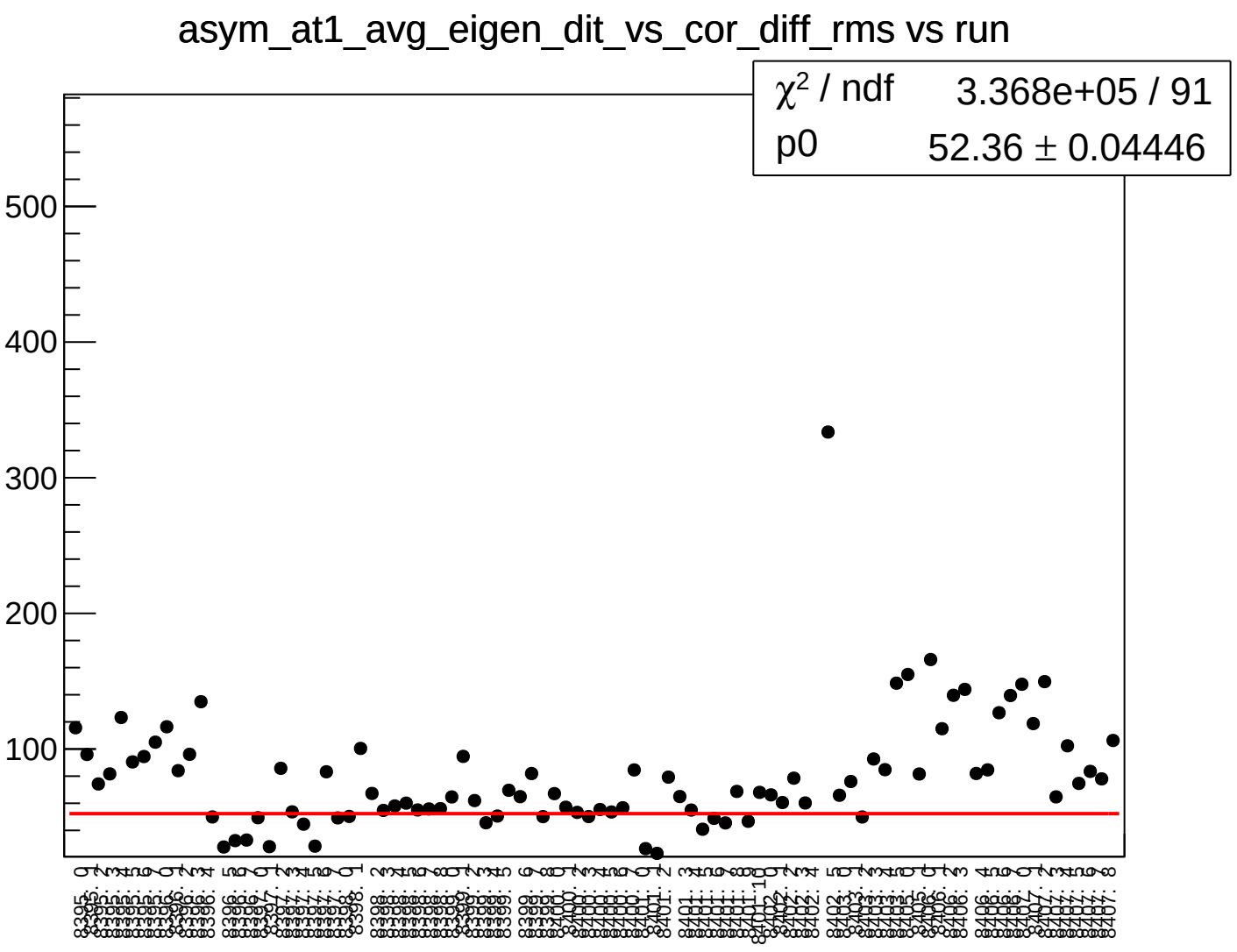

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.368e+05 / 91
p0 52.36 ± 0.04446
500
400
300
200
100

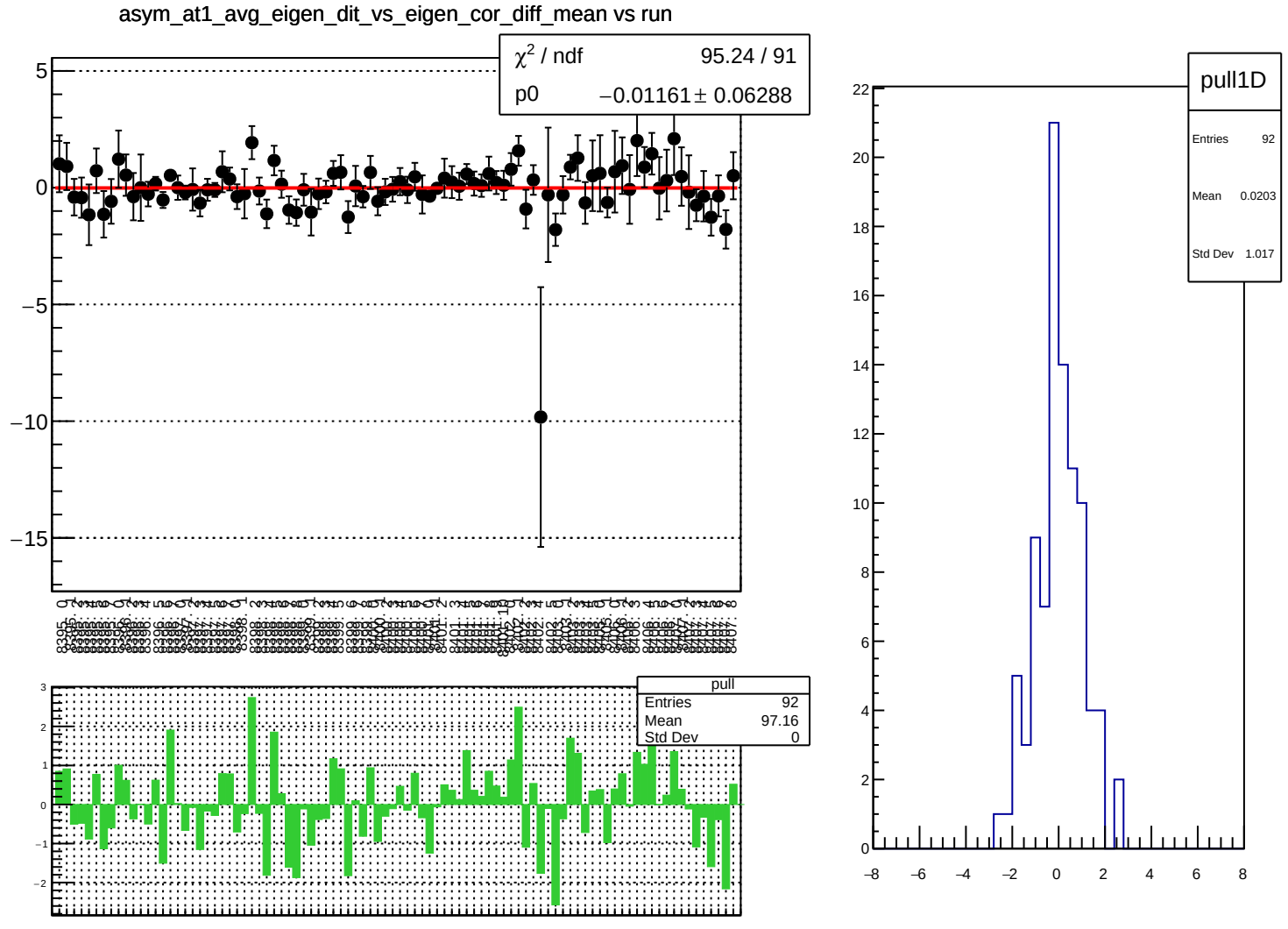

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.32 / 91
p0 1.84e−06 ± 4.448e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 195.2
Std Dev 0
2
1
0
−1
−2

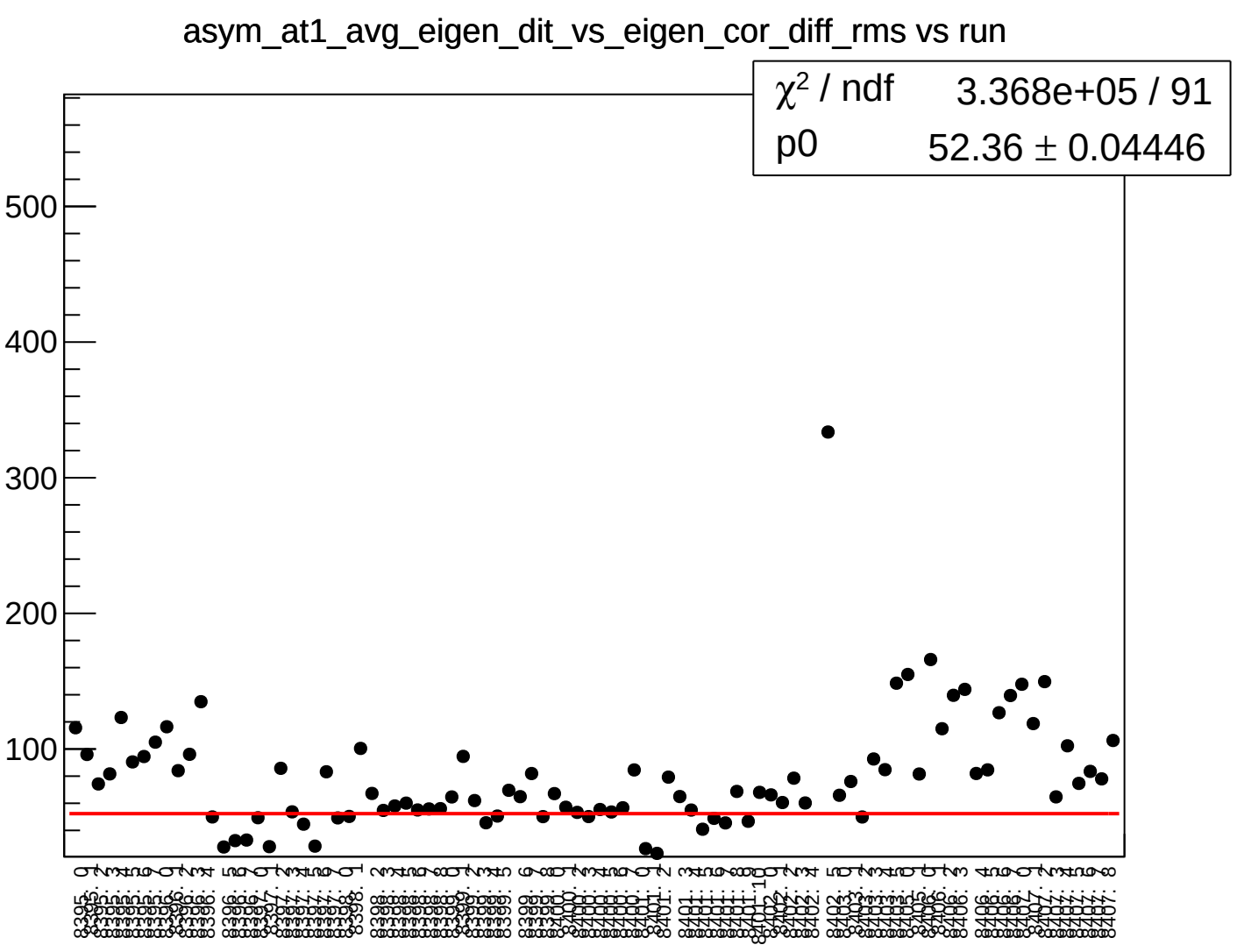

pull1D
Entries 92
Mean 0.002413
Std Dev 0.9344
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

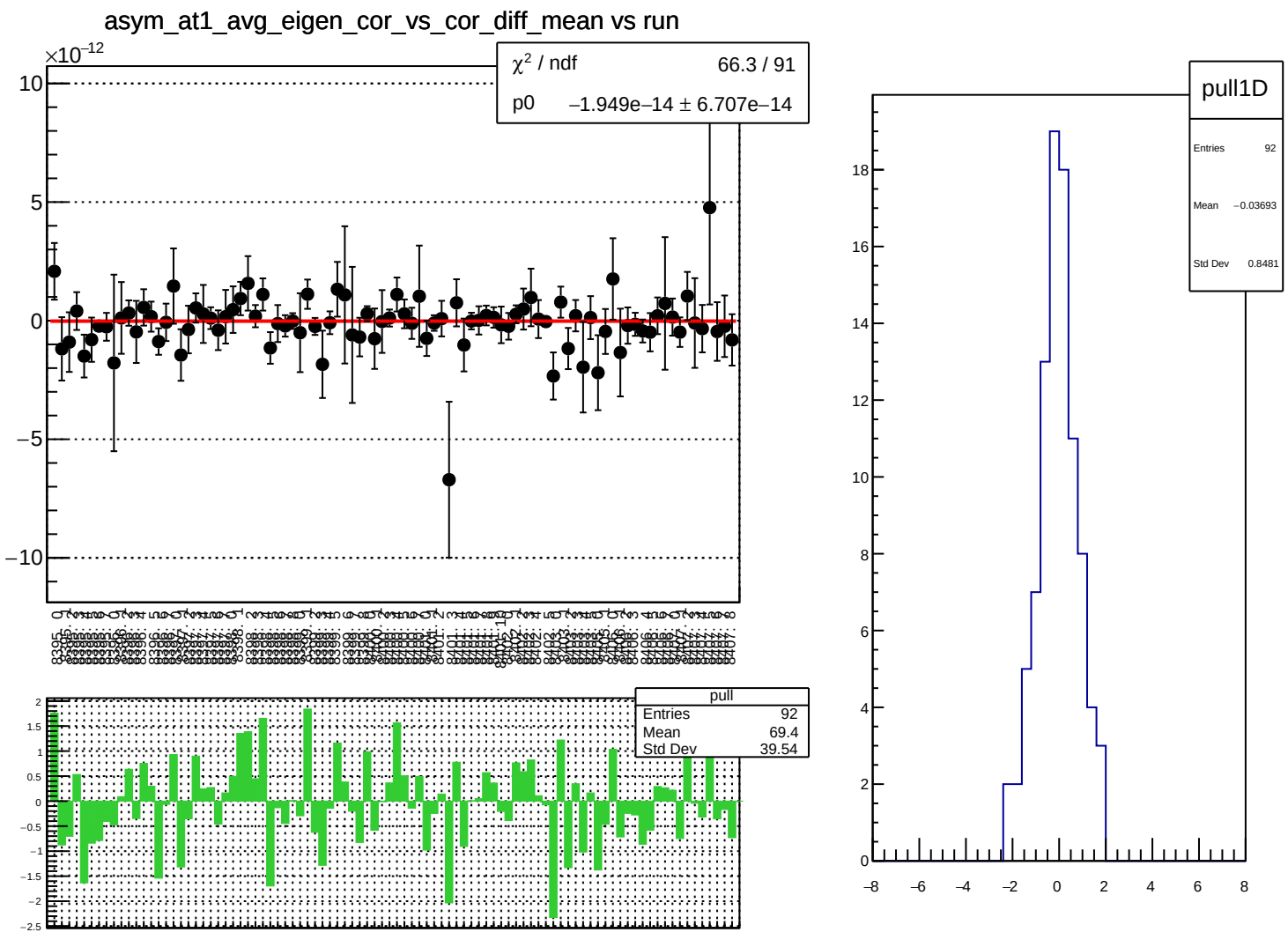

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7092 / 91
p0 0.004121 ± 3.145e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038

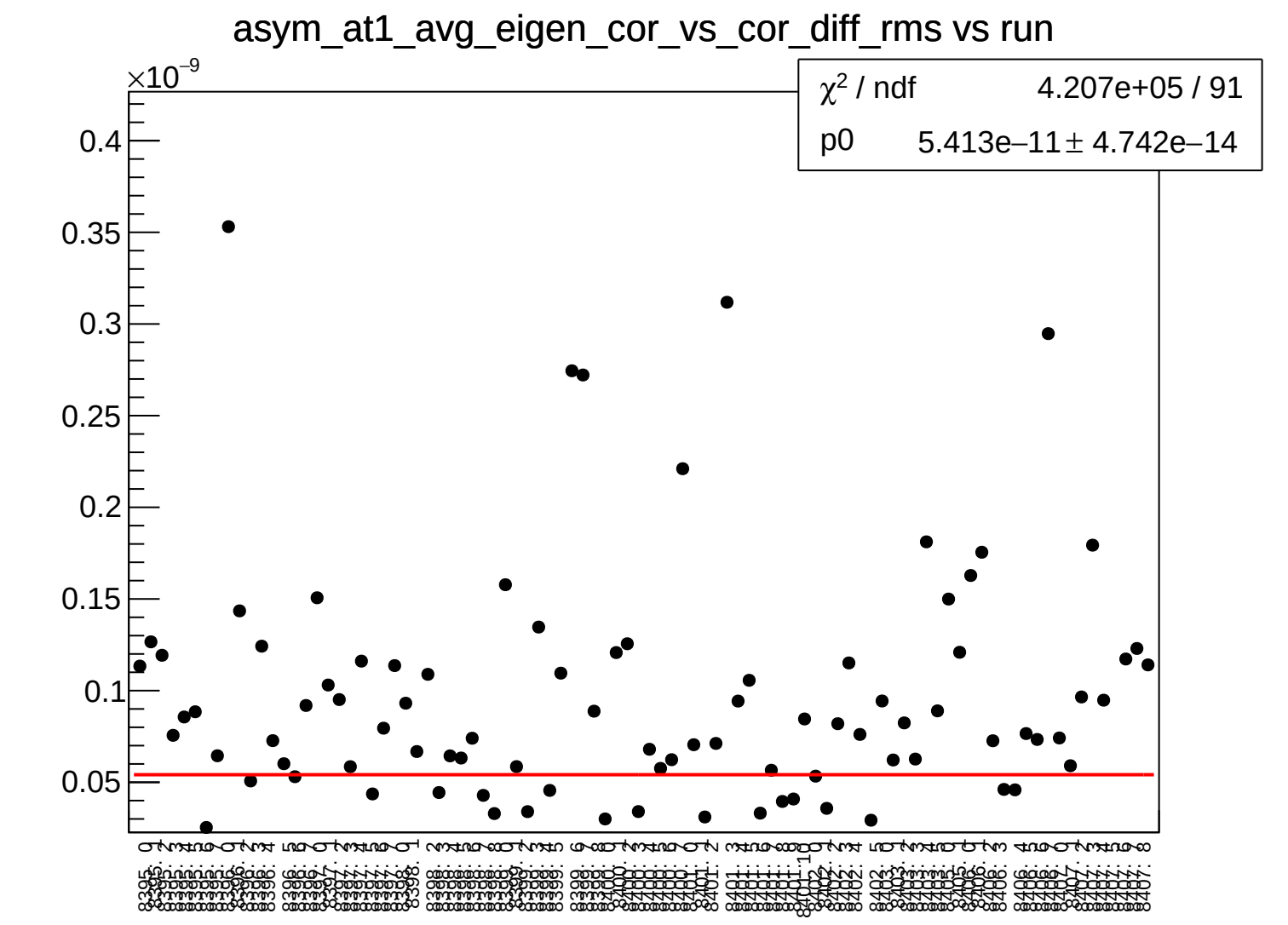

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.24 / 91
p0 −0.01161 ± 0.06288
pull
Entries 92
Mean 97.16
Std Dev 0
pull1D
Entries 92
Mean 0.0203
Std Dev 1.017

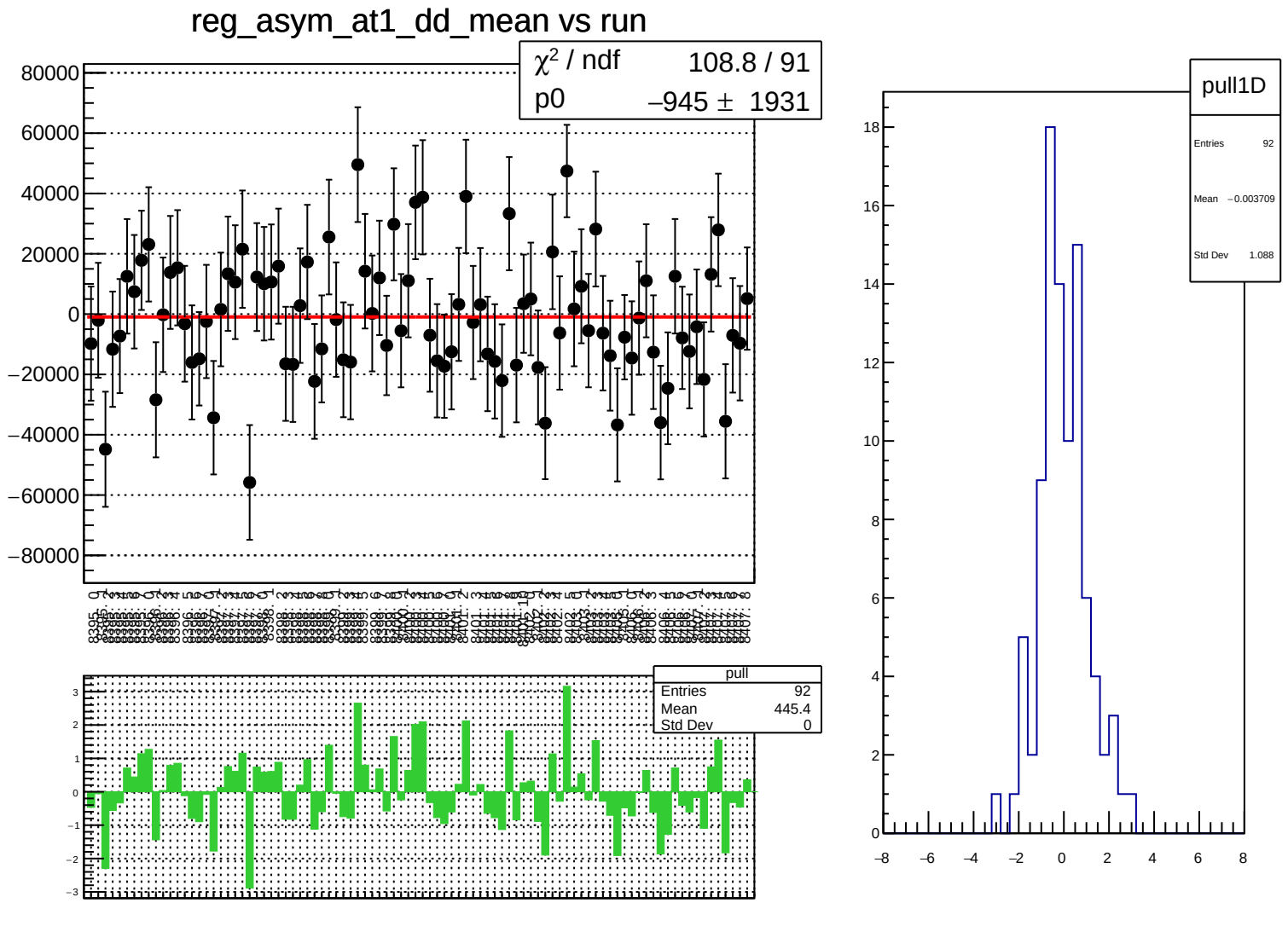

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.368e+05 / 91
p0 52.36 ± 0.04446
500
400
300
200
100

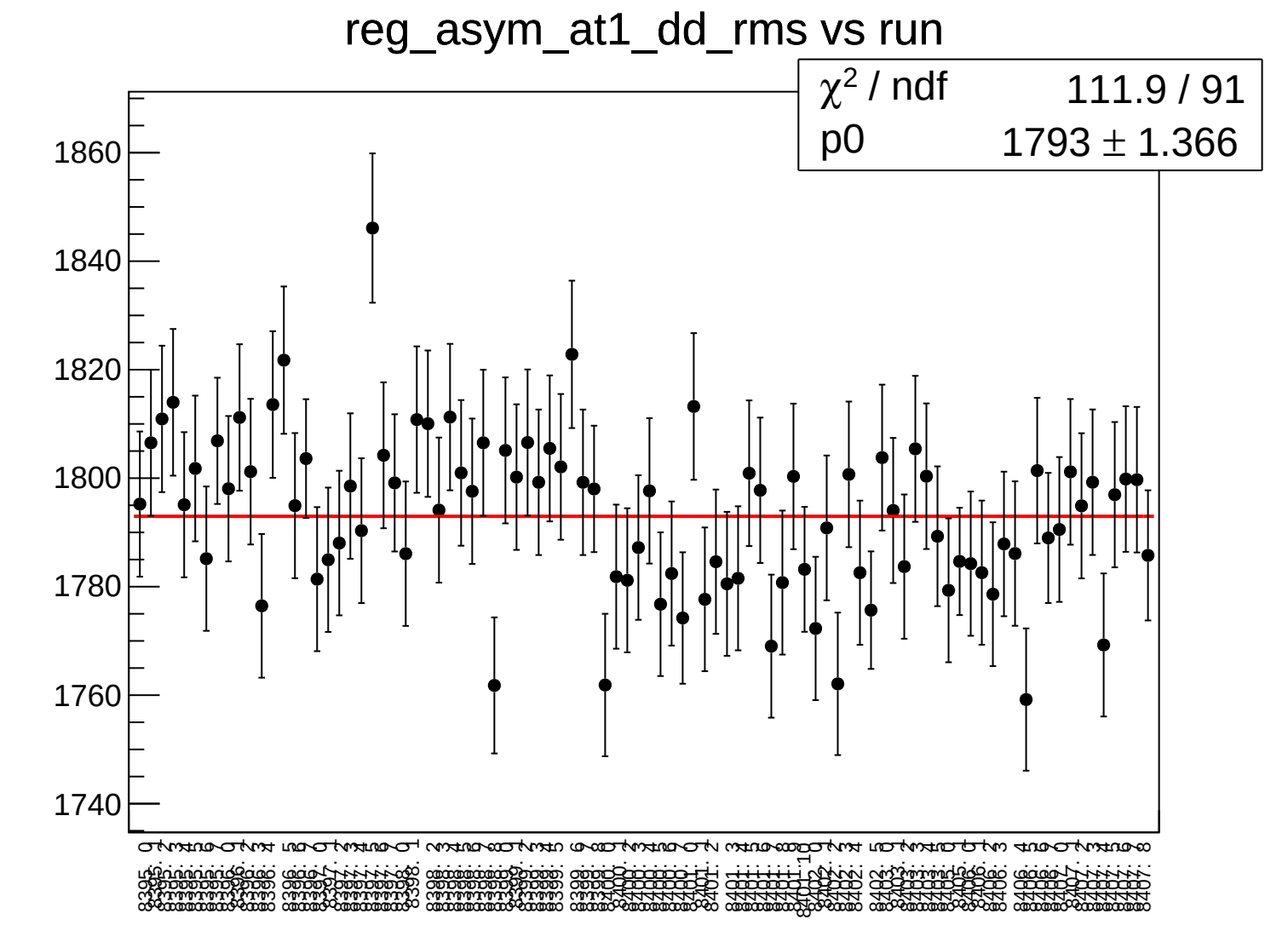

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.24 / 91
p0 −0.01161 ± 0.06288
pull
Entries 92
Mean 97.16
Std Dev 0
pull1D
Entries 92
Mean 0.0203
Std Dev 1.017

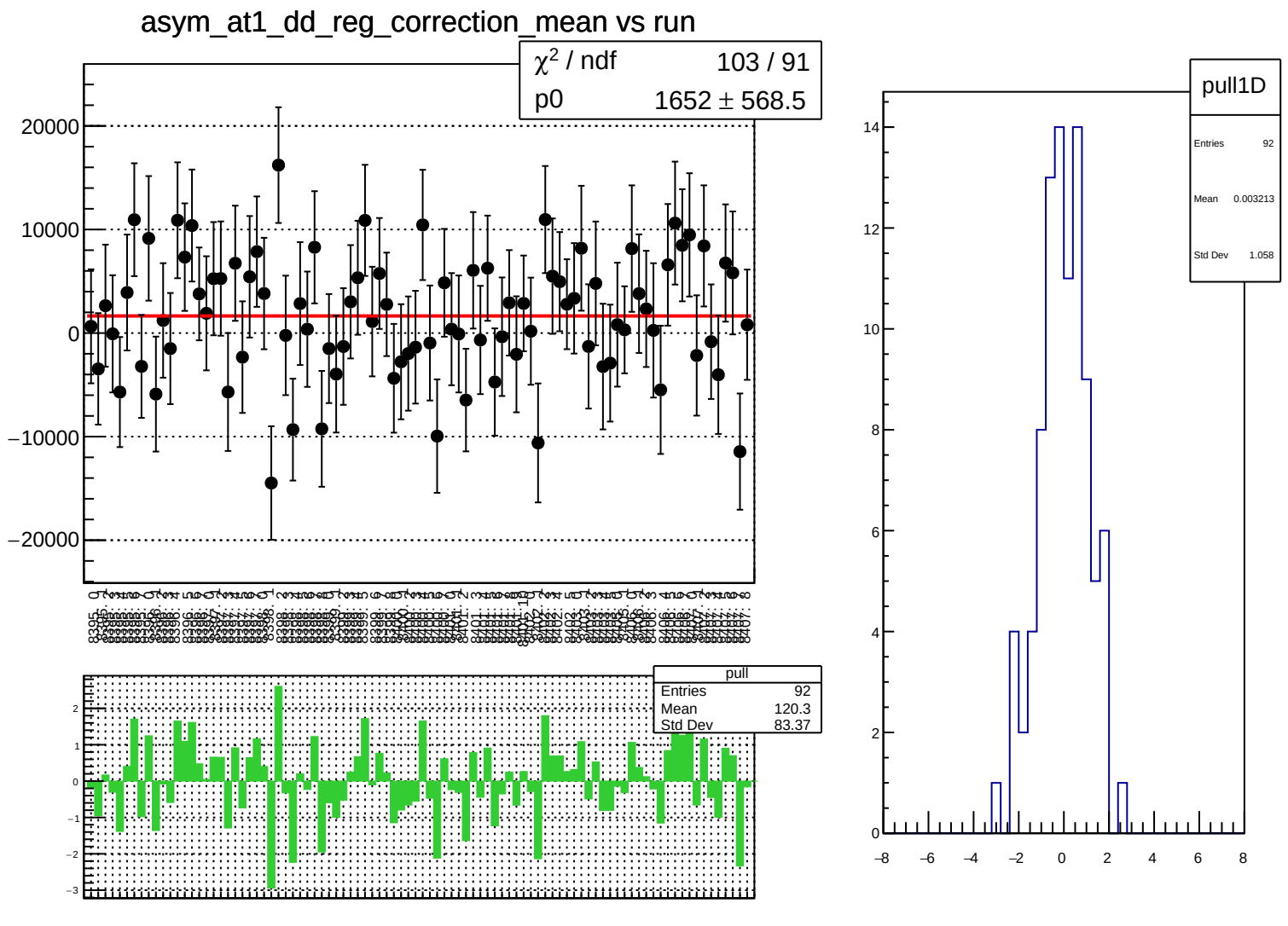

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.368e+05 / 91
p0 52.36 ± 0.04446
500
400
300
200
100

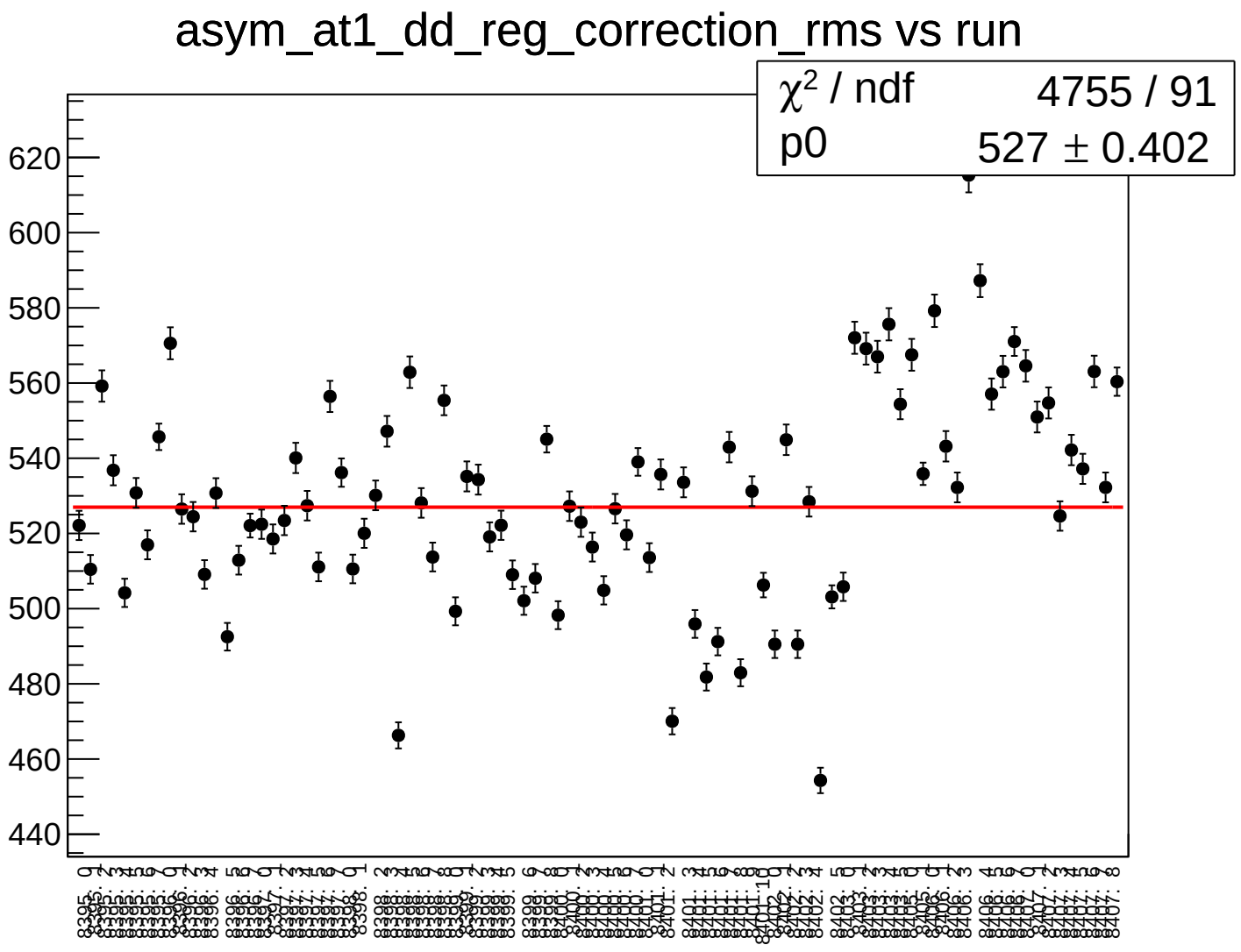

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 66.3 / 91
p0 −1.949e−14 ± 6.707e−14
pull
Entries 92
Mean 69.4
Std Dev 39.54
pull1D
Entries 92
Mean −0.03693
Std Dev 0.8481

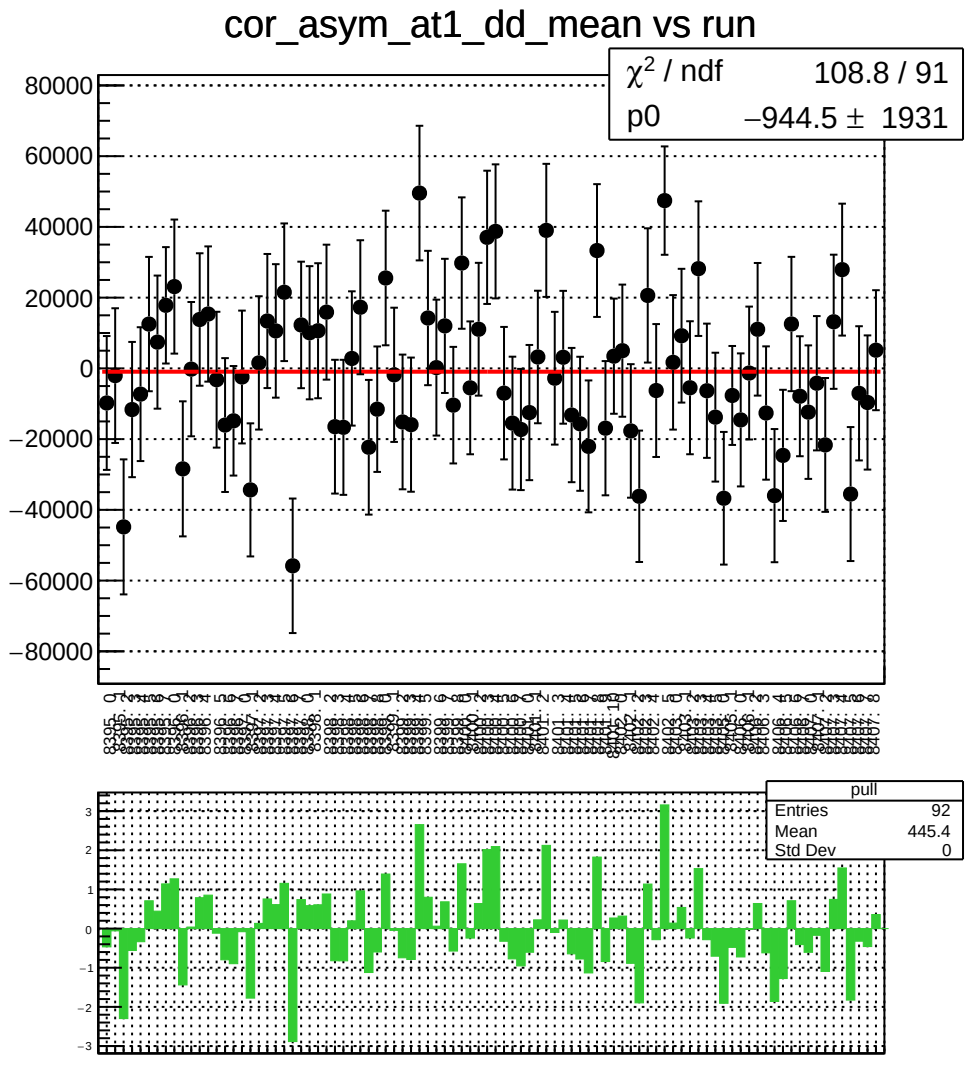

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.207e+05 / 91
p0 5.413e−11 ± 4.742e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

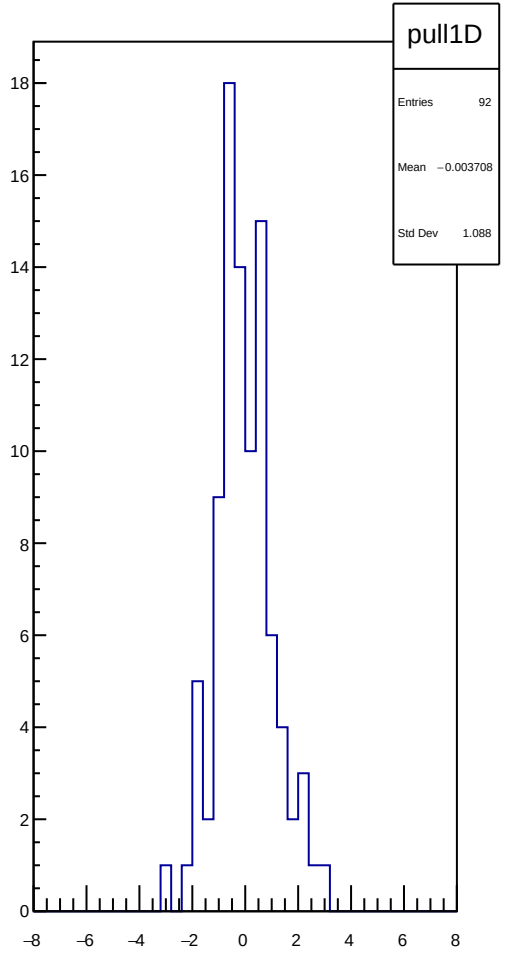

reg_asym_at1_dd_mean vs run
χ² / ndf 108.8 / 91
p0 −945 ± 1931
pull
Entries 92
Mean 445.4
Std Dev 0
pull1D
Entries 92
Mean −0.003709
Std Dev 1.088

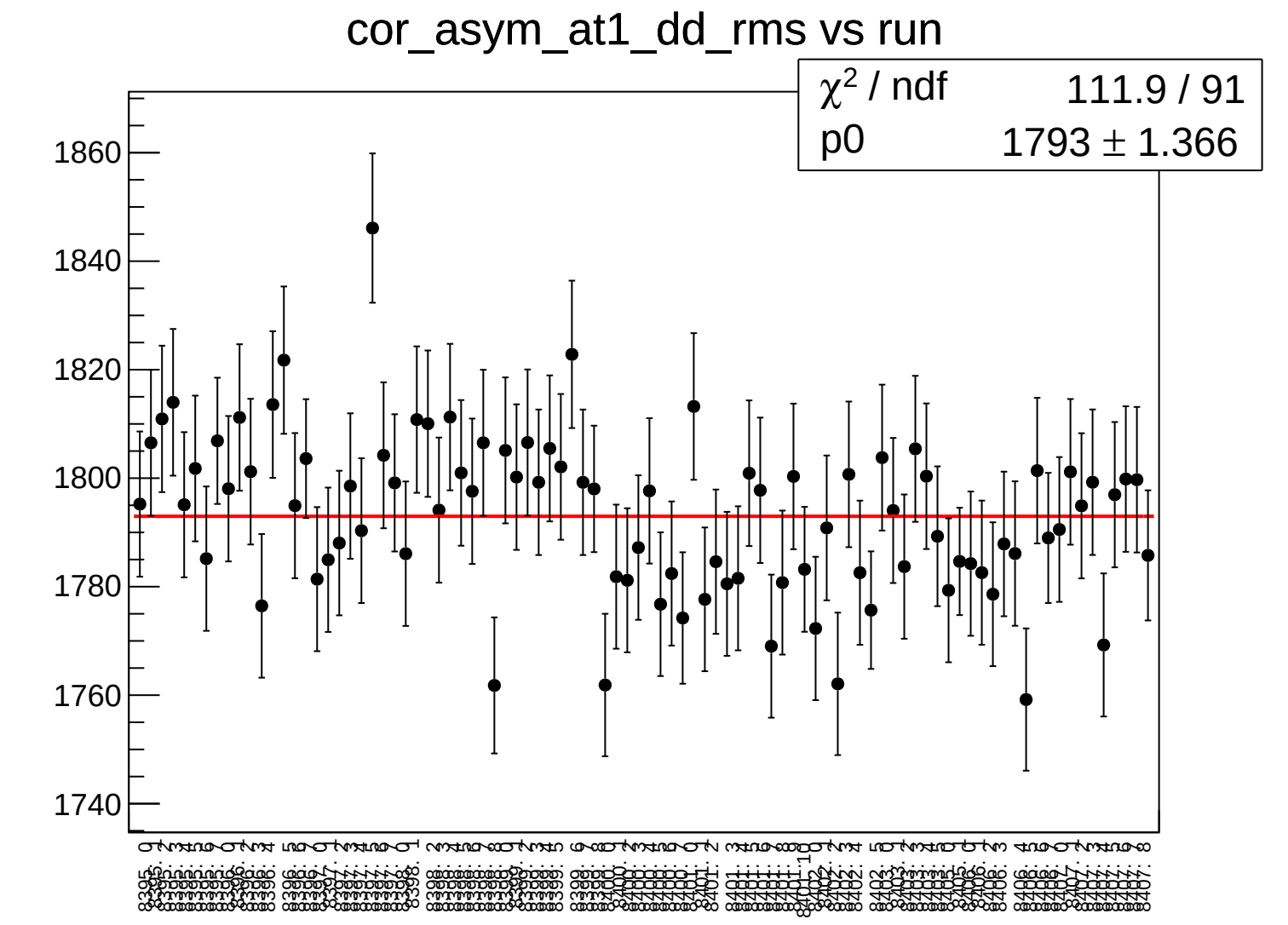

reg_asym_at1_dd_rms vs run
$\chi^2$ / ndf 111.9 / 91
p0 1793 ± 1.366
1860
1840
1820
1800
1780
1760
1740

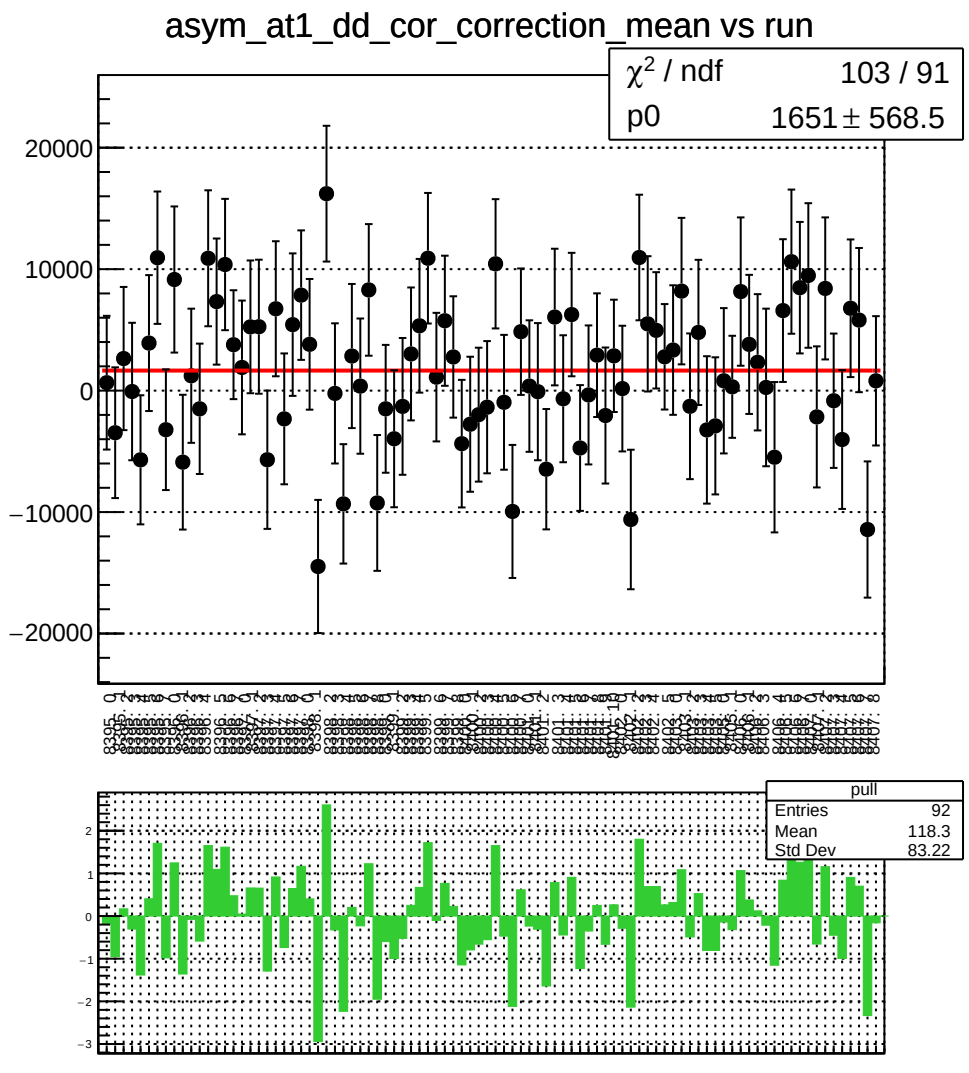

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 103 / 91
p0 1652 ± 568.5
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 120.3
Std Dev 83.37
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.003213
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

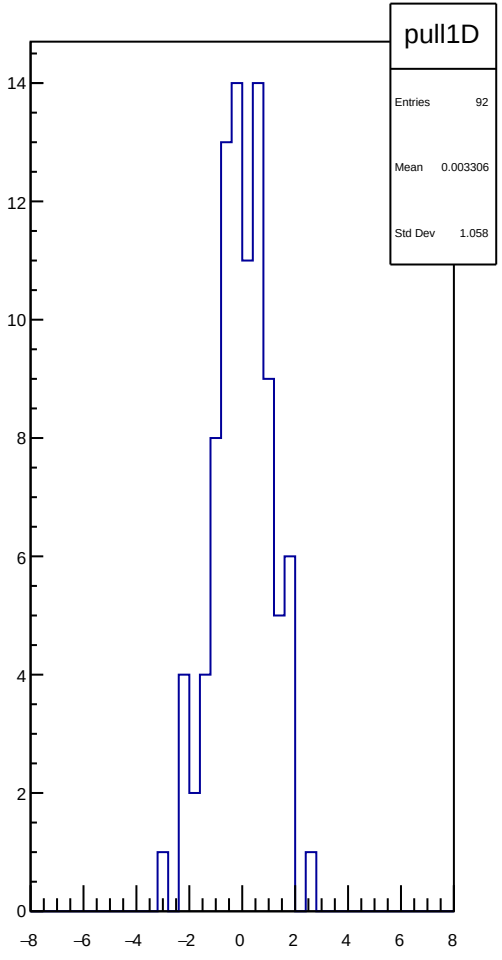

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 4755 / 91
p0 527 ± 0.402
620
600
580
560
540
520
500
480
460
440

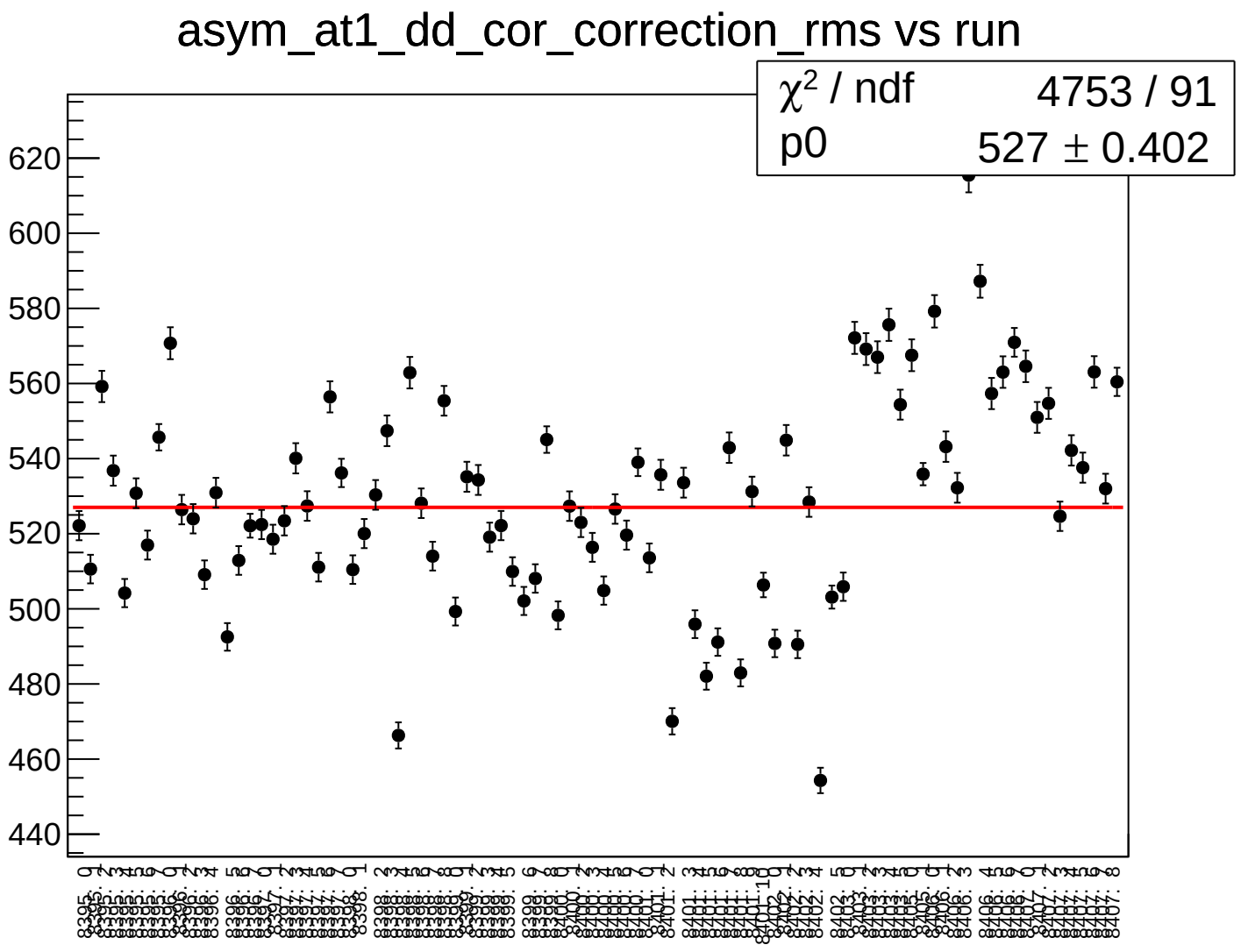

cor_asym_at1_dd_mean vs run
χ² / ndf 108.8 / 91
p0 −944.5 ± 1931
pull
Entries 92
Mean 445.4
Std Dev 0

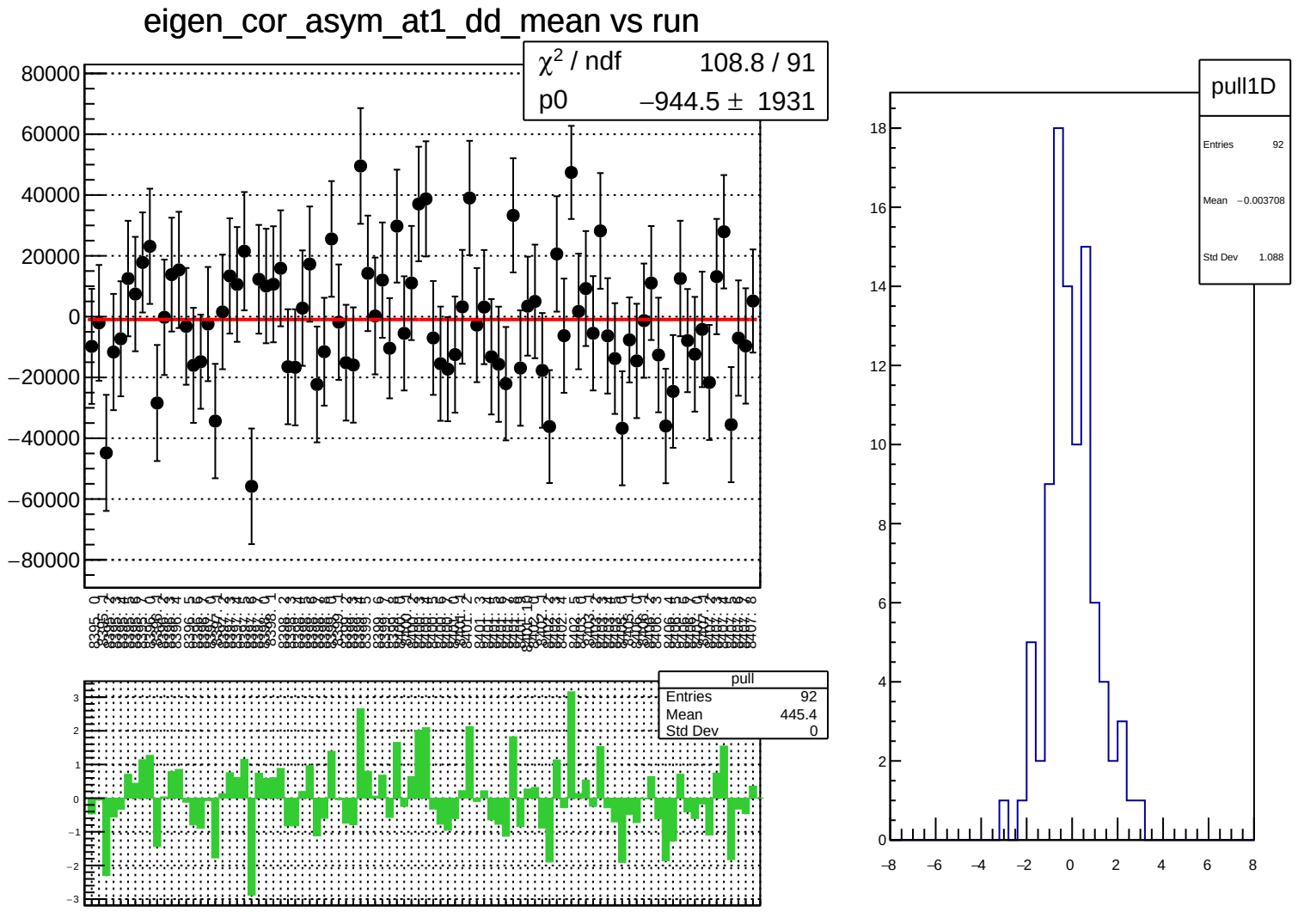

pull1D
Entries 92
Mean −0.003708
Std Dev 1.088

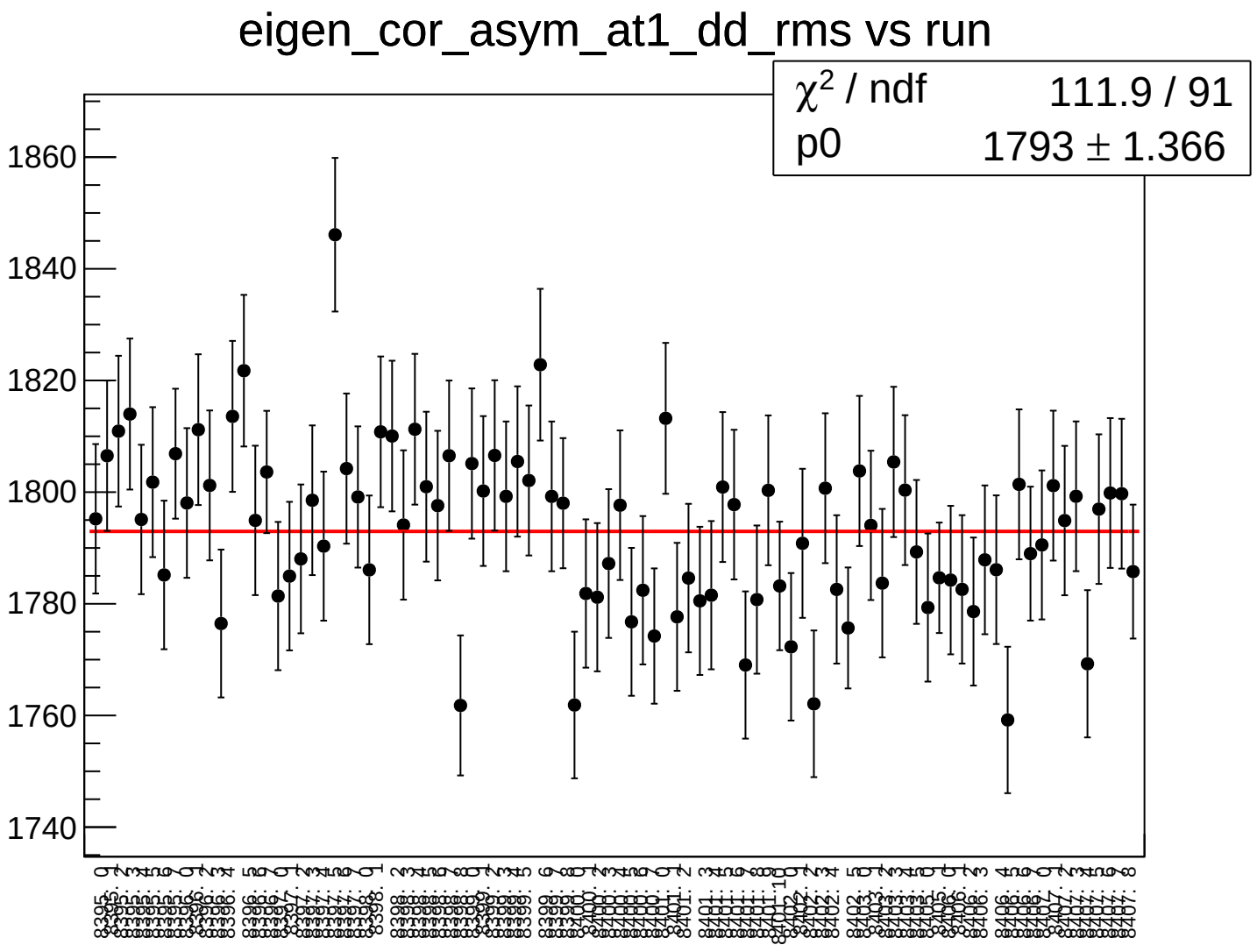

cor_asym_at1_dd_rms vs run
$\chi^2$ / ndf 111.9 / 91
p0 1793 ± 1.366
1860
1840
1820
1800
1780
1760
1740

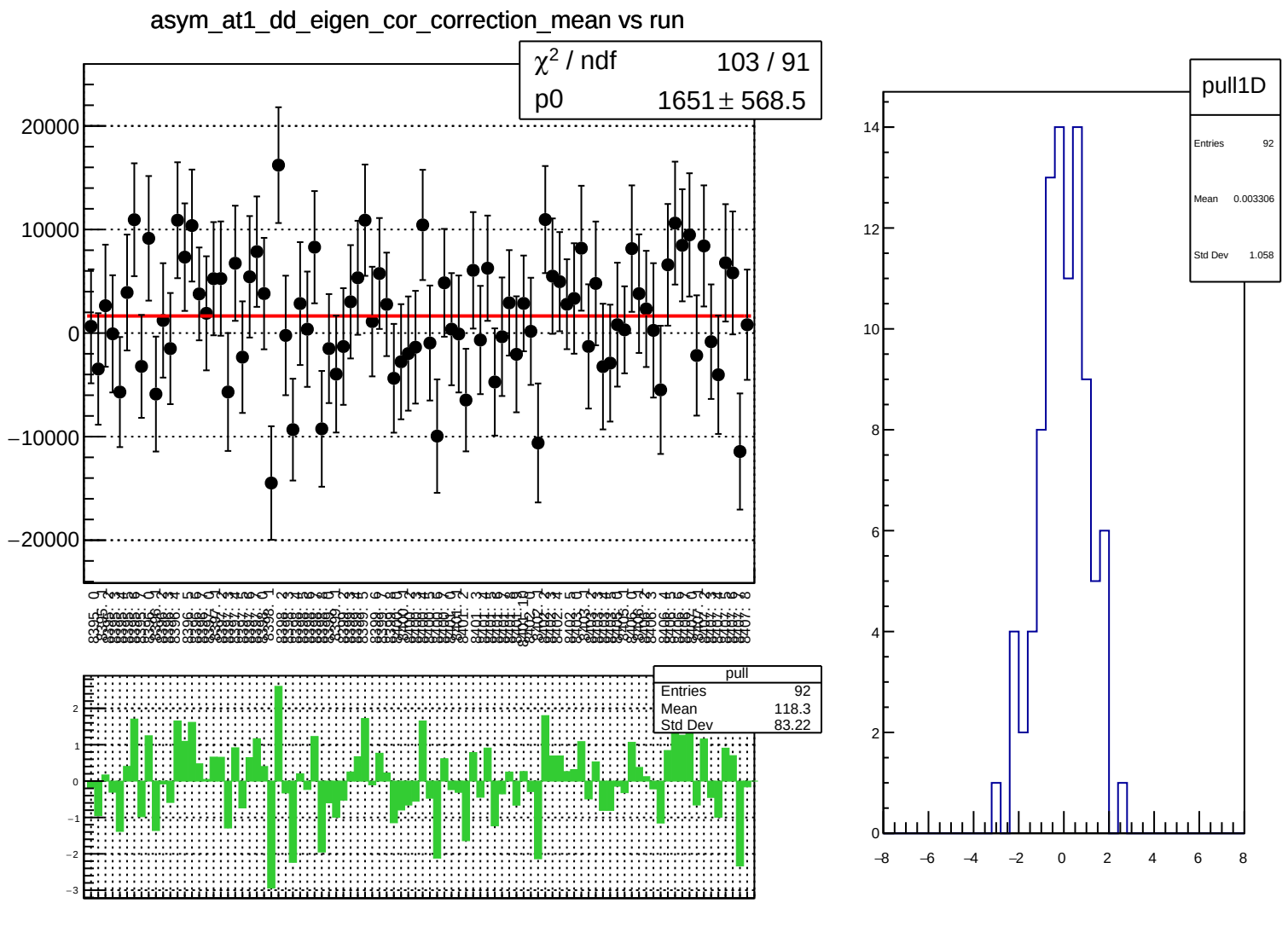

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 103 / 91
p0 1651 ± 568.5
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 118.3
Std Dev 83.22
2
1
0
−1
−2
−3

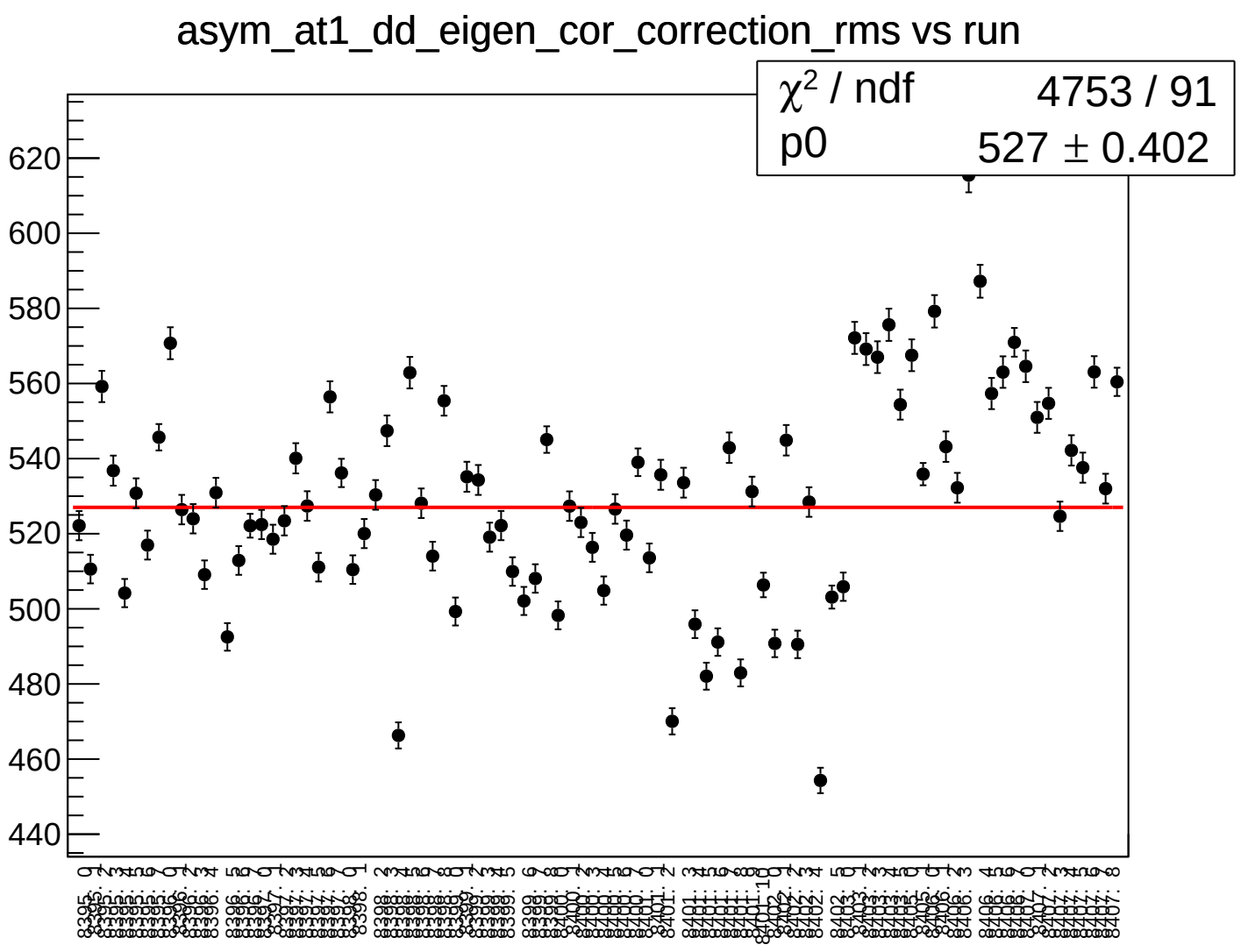

pull1D
Entries 92
Mean 0.003306
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

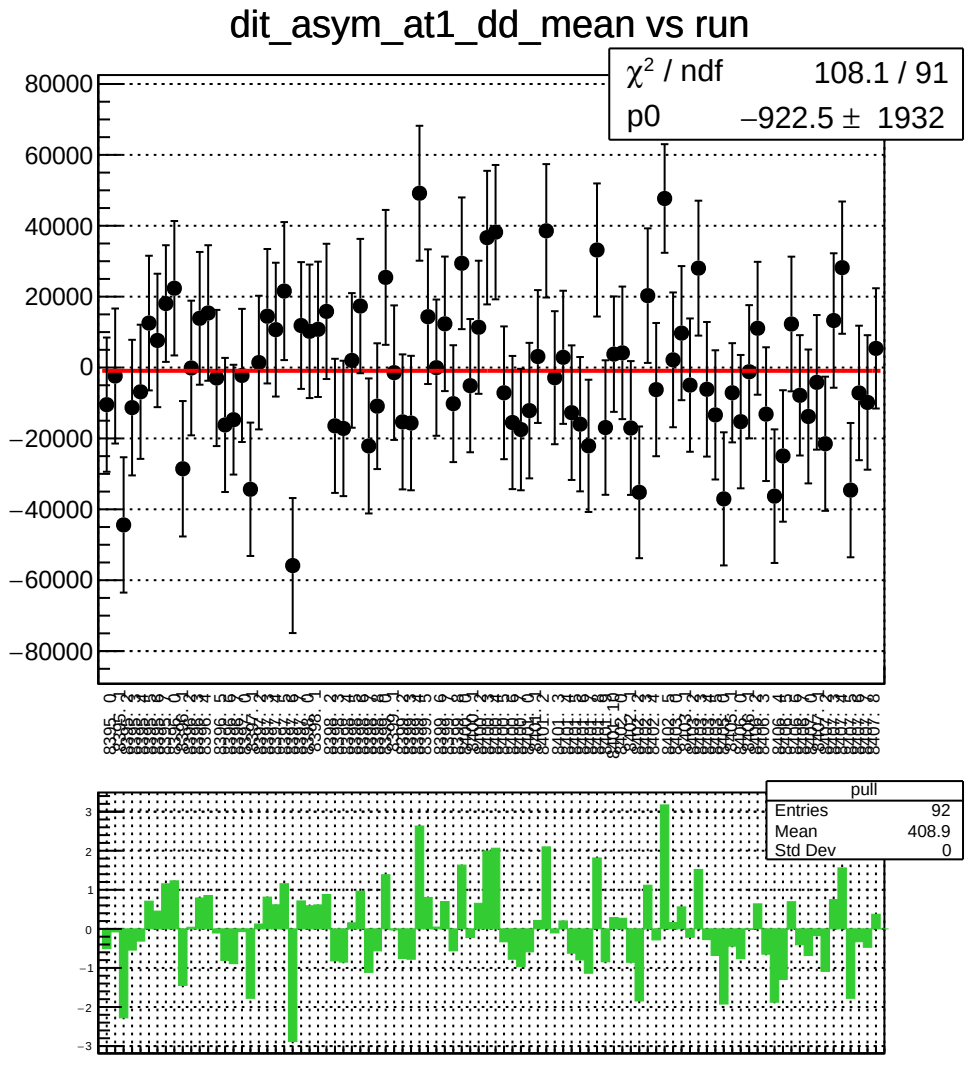

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 4753 / 91
p0 527 ± 0.402
620
600
580
560
540
520
500
480
460
440

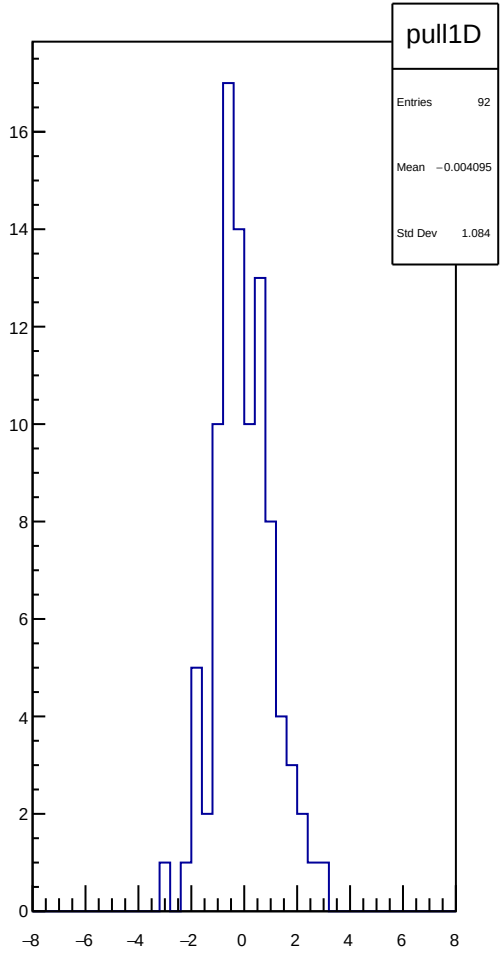

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 108.8 / 91
p0 −944.5 ± 1931
pull
Entries 92
Mean 445.4
Std Dev 0
pull1D
Entries 92
Mean −0.003708
Std Dev 1.088

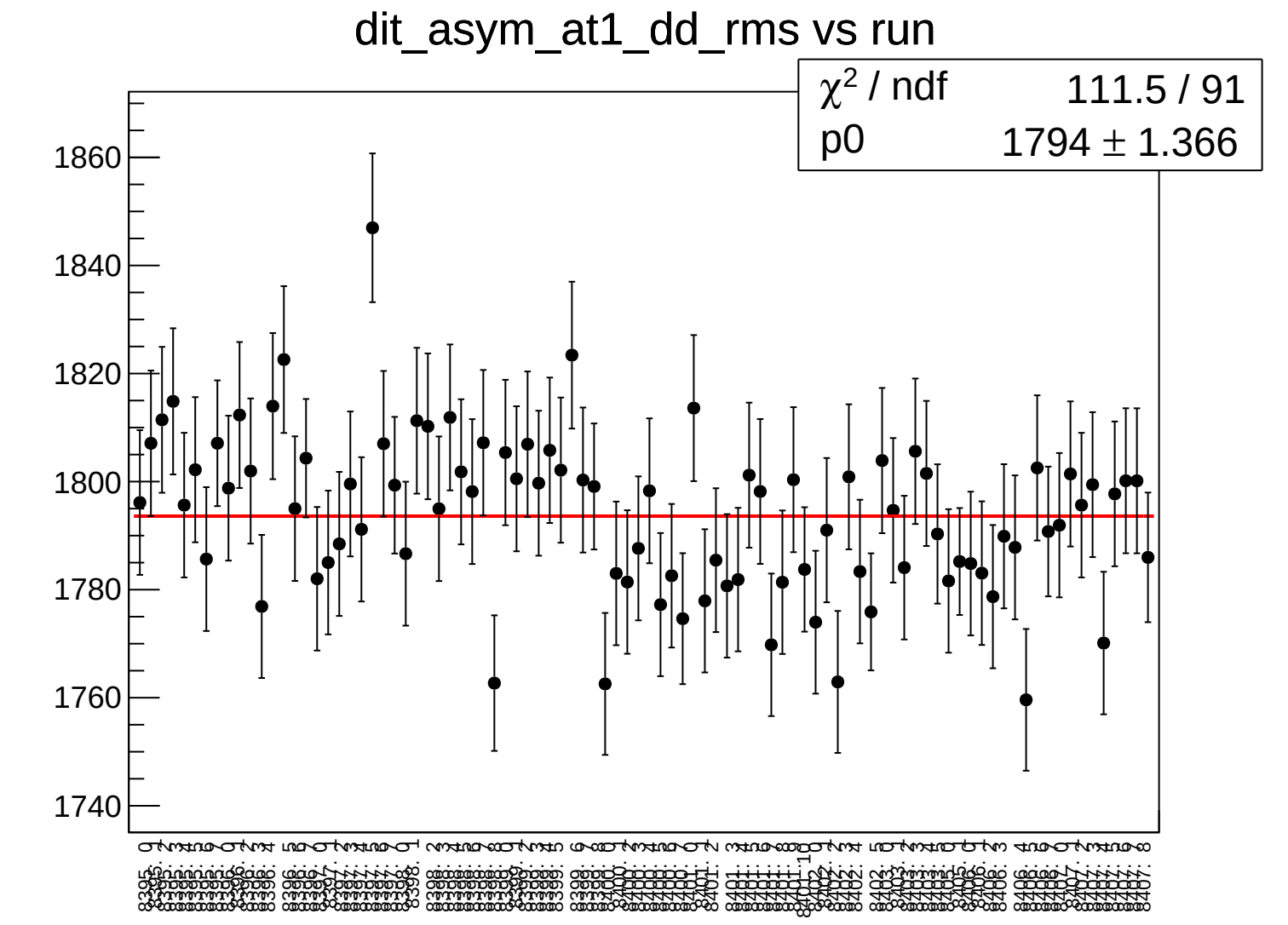

eigen_cor_asym_at1_dd_rms vs run
$\chi^2$ / ndf 111.9 / 91
p0 1793 ± 1.366
1860
1840
1820
1800
1780
1760
1740

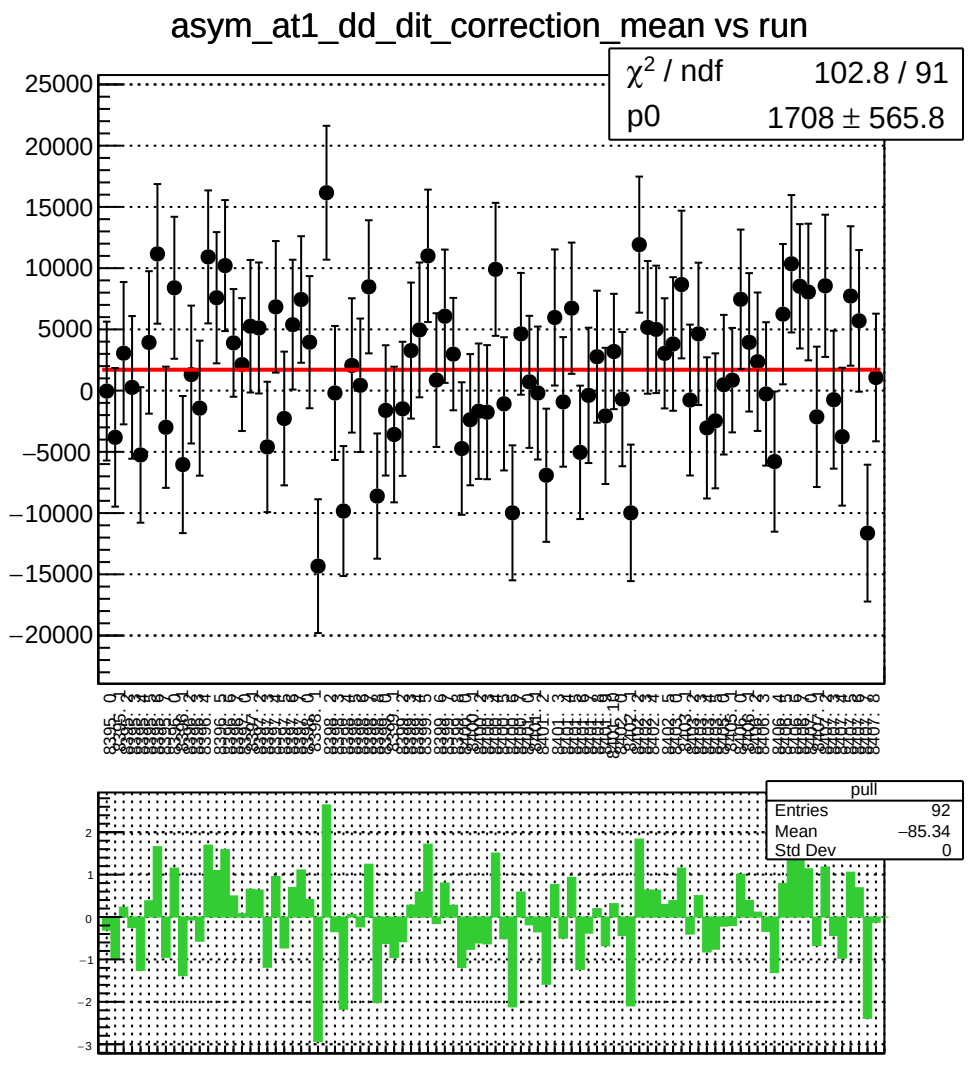

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 103 / 91
p0 1651 ± 568.5
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 118.3
Std Dev 83.22
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.003306
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

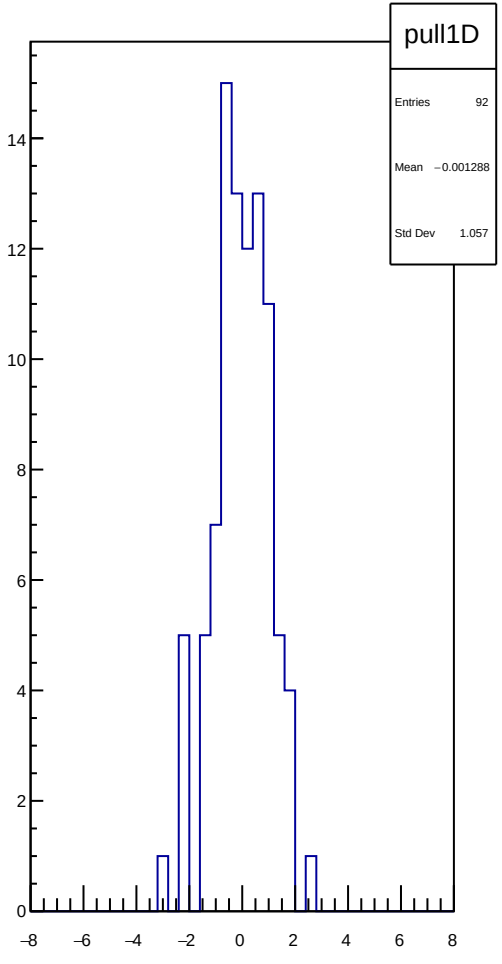

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4753 / 91
p0 527 ± 0.402
620
600
580
560
540
520
500
480
460
440

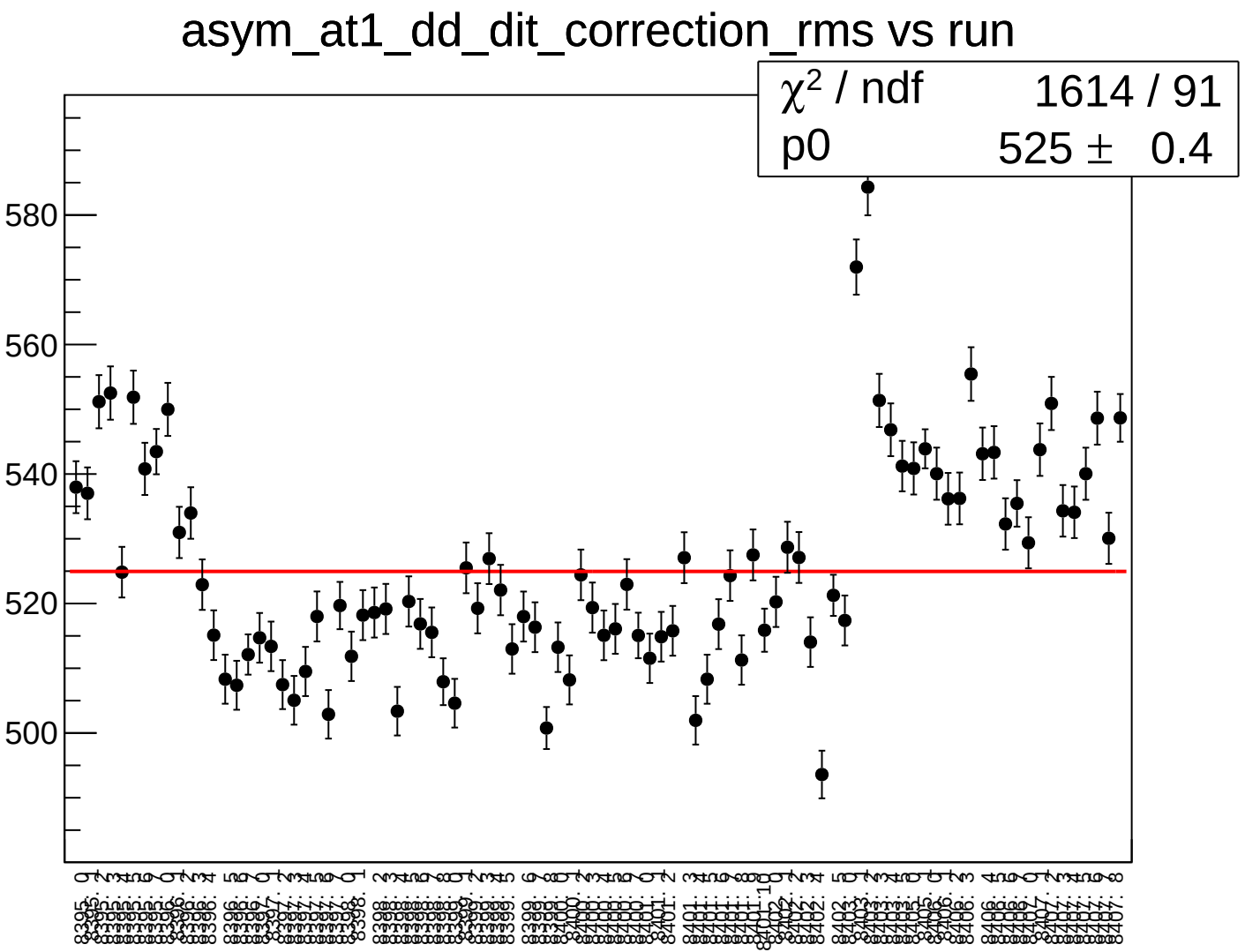

dit_asym_at1_dd_mean vs run
χ² / ndf 108.1 / 91
p0 −922.5 ± 1932
pull
Entries 92
Mean 408.9
Std Dev 0

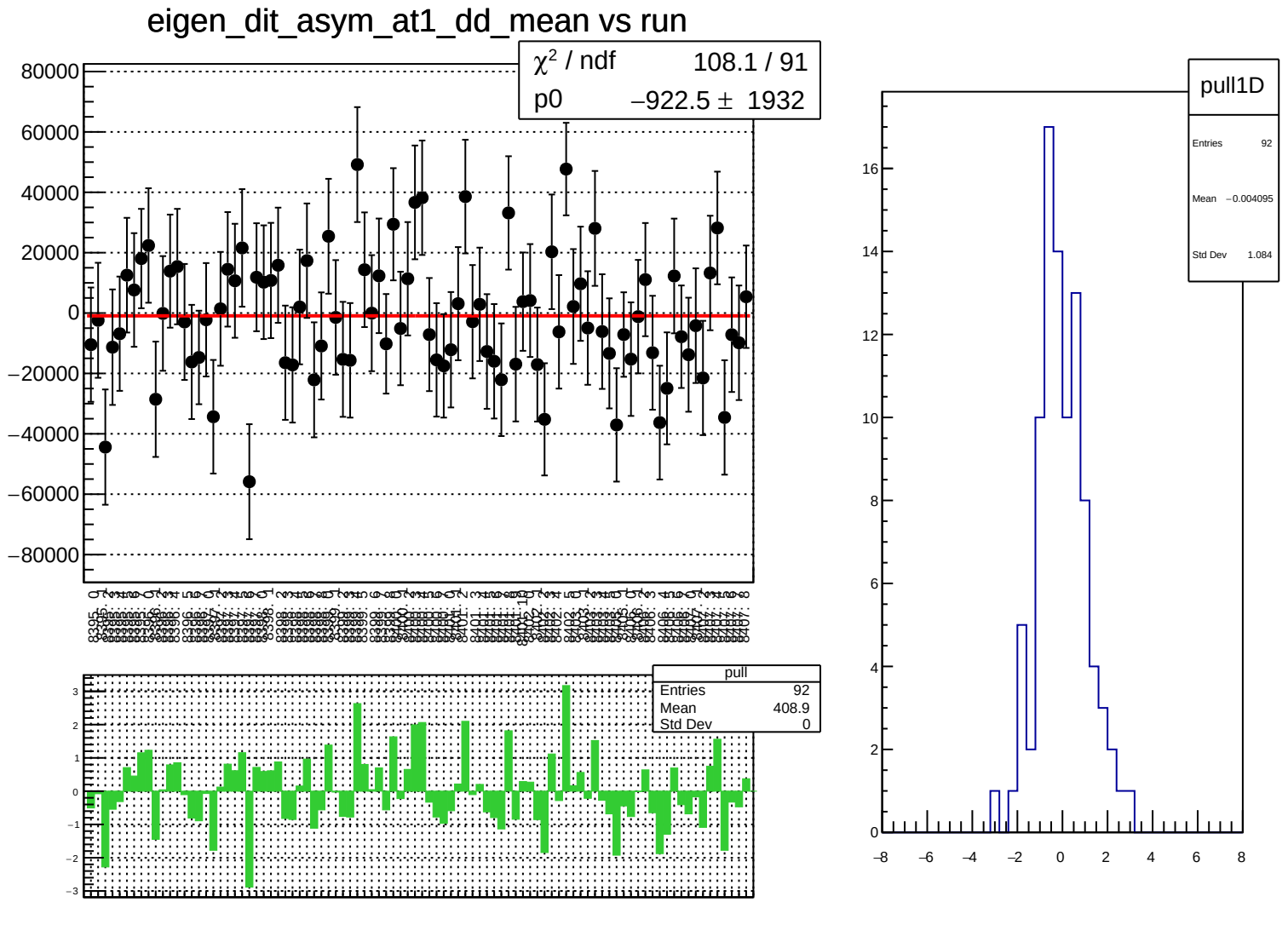

pull1D
Entries 92
Mean −0.004095
Std Dev 1.084

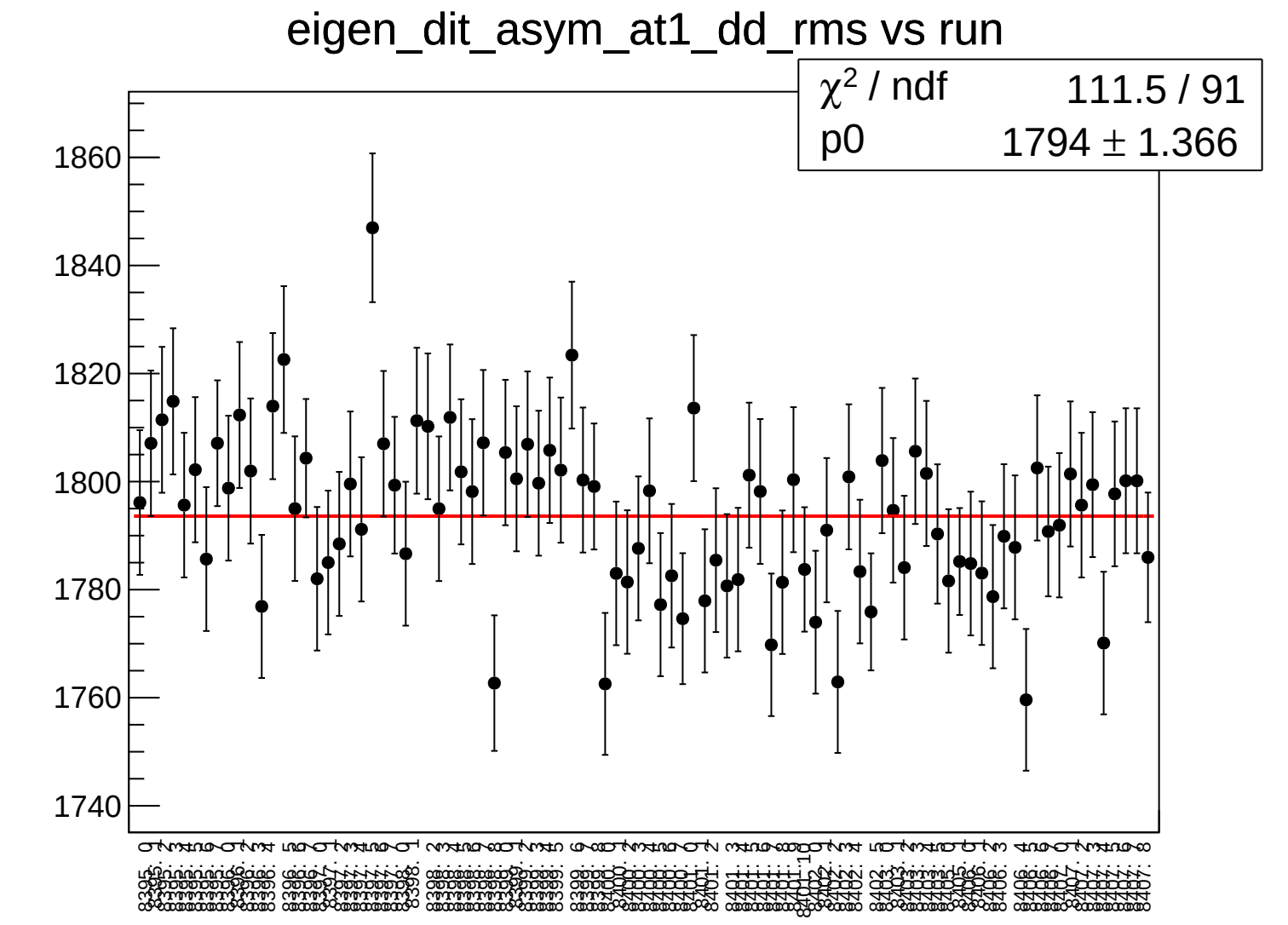

dit_asym_at1_dd_rms vs run
$\chi^2$ / ndf 111.5 / 91
p0 1794 ± 1.366
1860
1840
1820
1800
1780
1760
1740

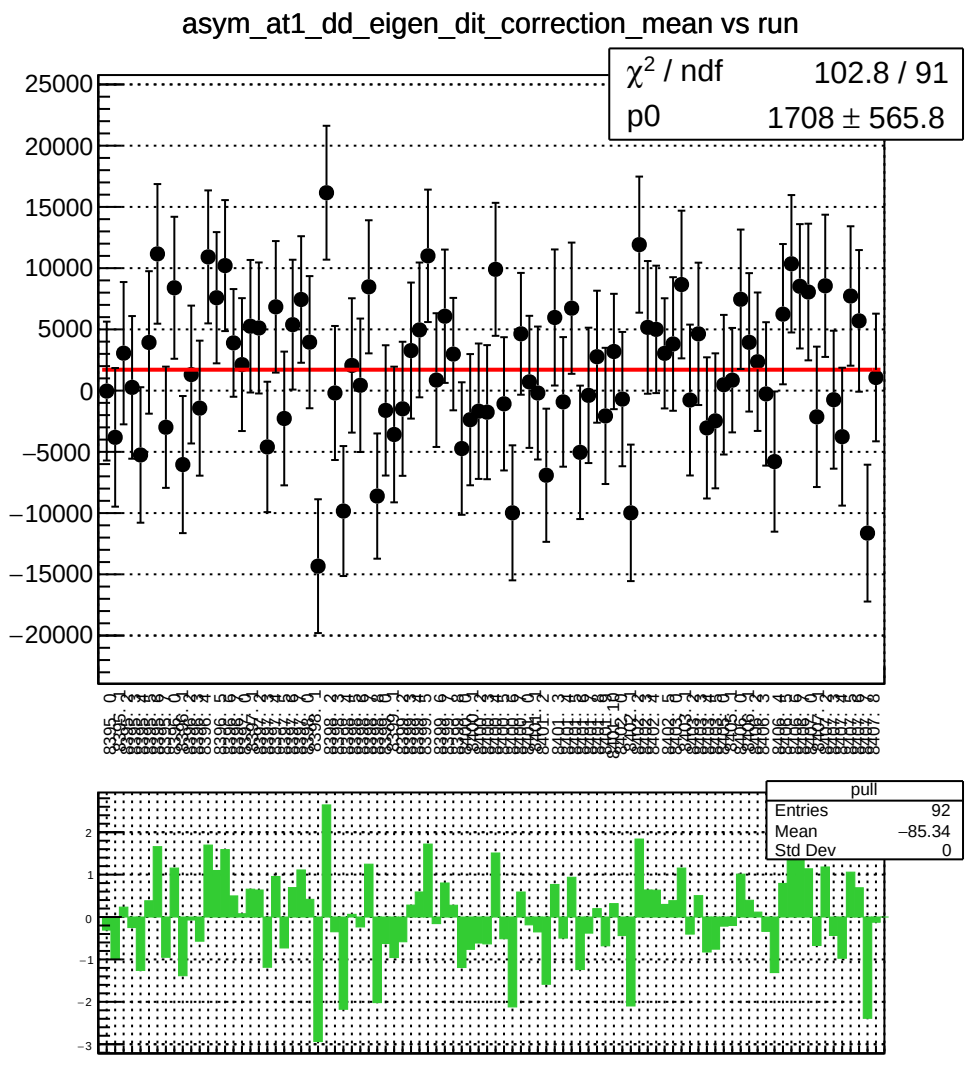

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 102.8 / 91
p0 1708 ± 565.8
pull
Entries 92
Mean −85.34
Std Dev 0

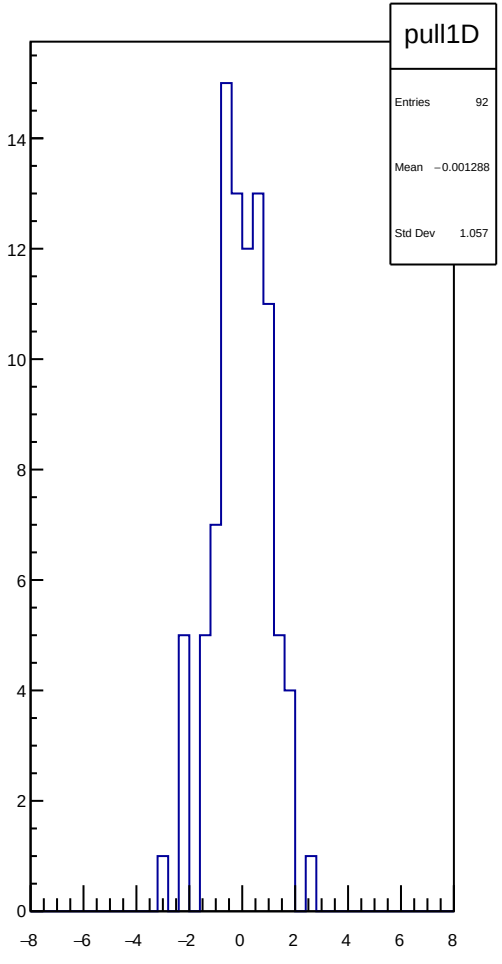

pull1D
Entries 92
Mean −0.001288
Std Dev 1.057

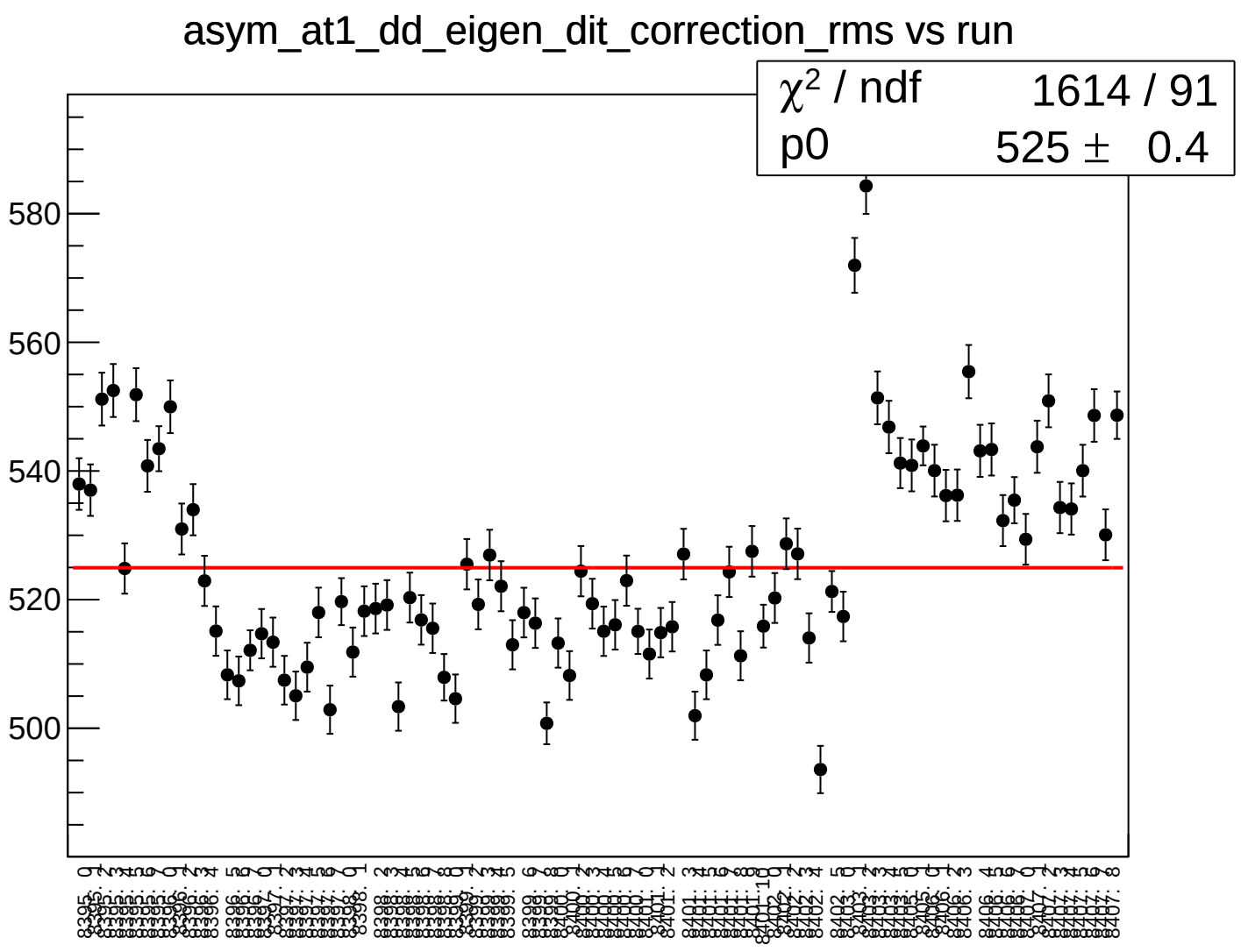

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 1614 / 91
p0 525 ± 0.4
580
560
540
520
500

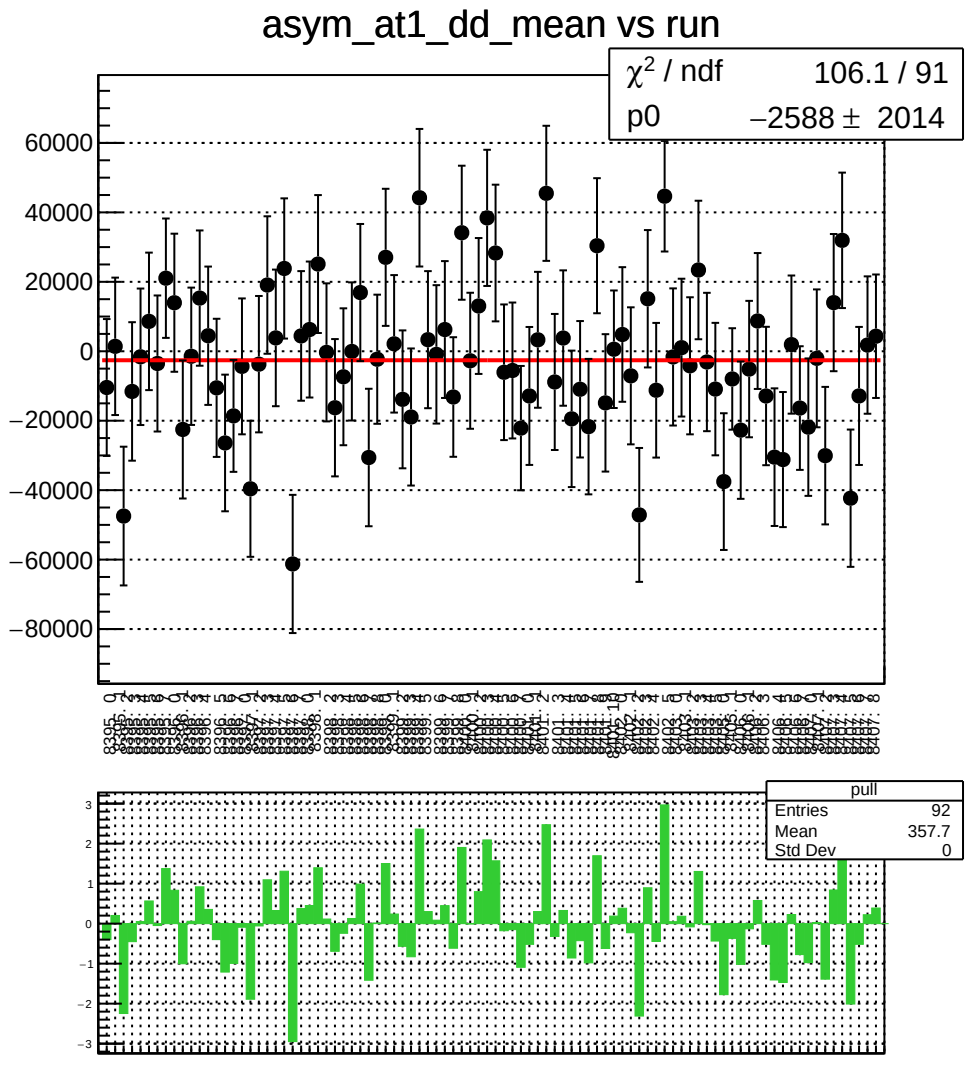

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 108.1 / 91
p0 −922.5 ± 1932
pull
Entries 92
Mean 408.9
Std Dev 0
pull1D
Entries 92
Mean −0.004095
Std Dev 1.084

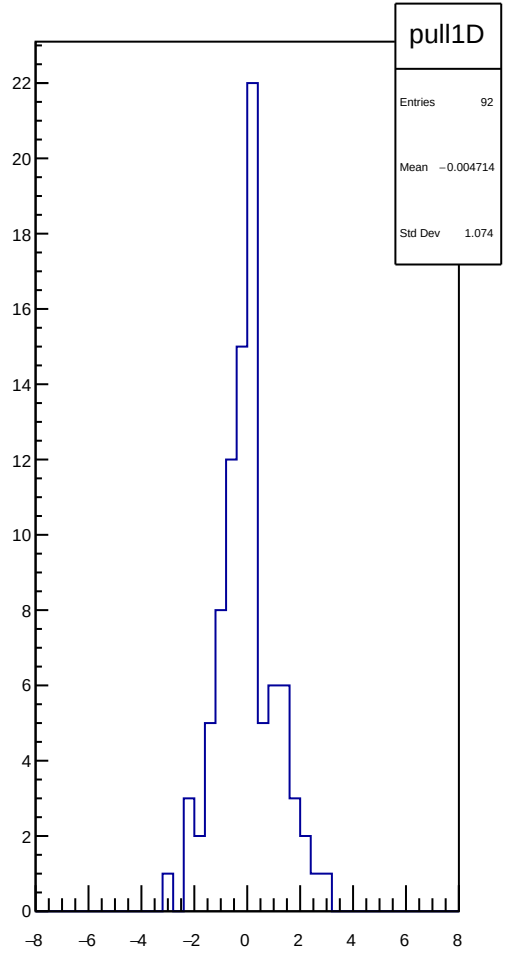

eigen_dit_asym_at1_dd_rms vs run
$\chi^2$ / ndf 111.5 / 91
p0 1794 ± 1.366
1860
1840
1820
1800
1780
1760
1740

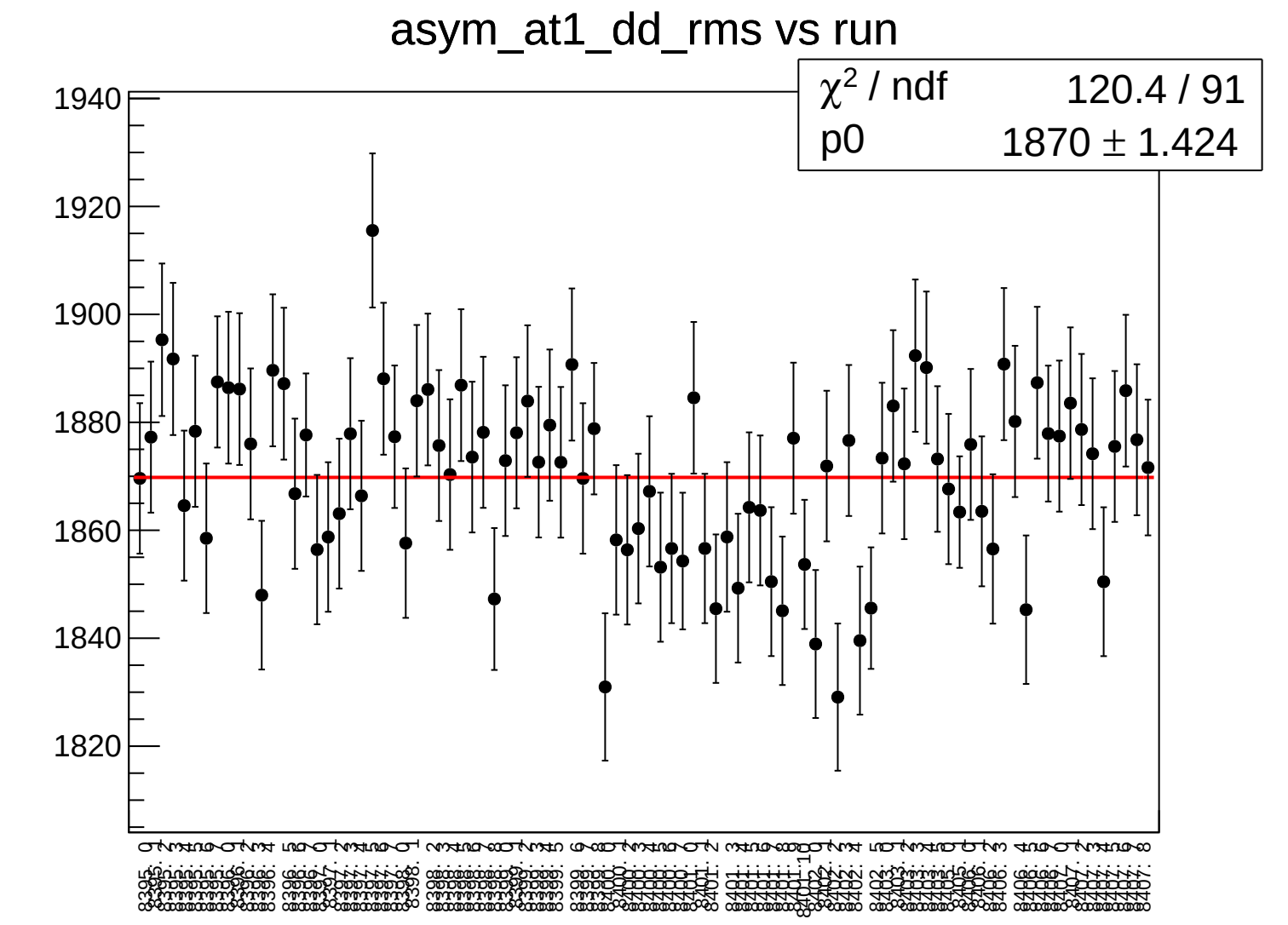

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 102.8 / 91
p0 1708 ± 565.8
pull
Entries 92
Mean −85.34
Std Dev 0

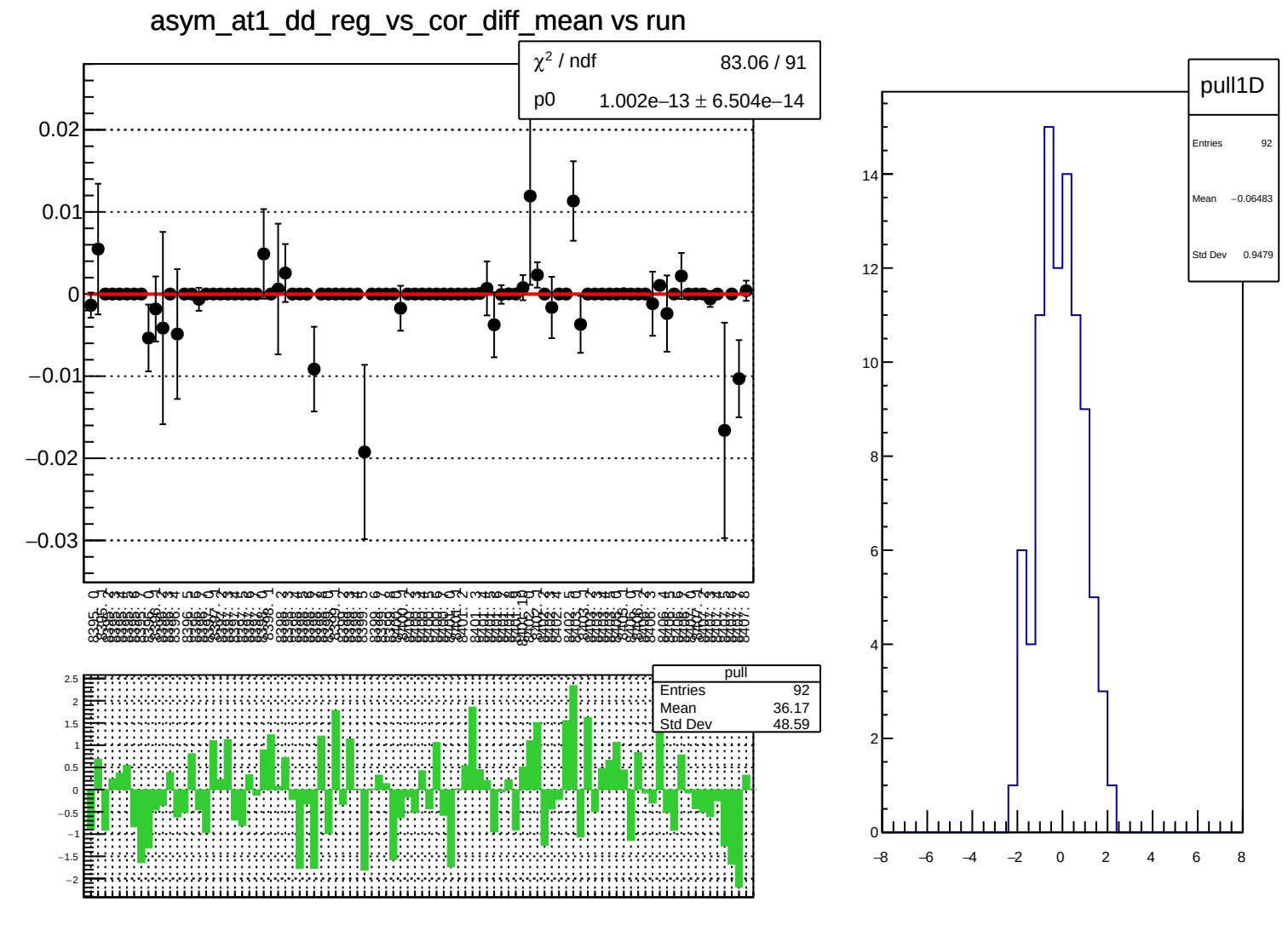

pull1D
Entries 92
Mean −0.001288
Std Dev 1.057

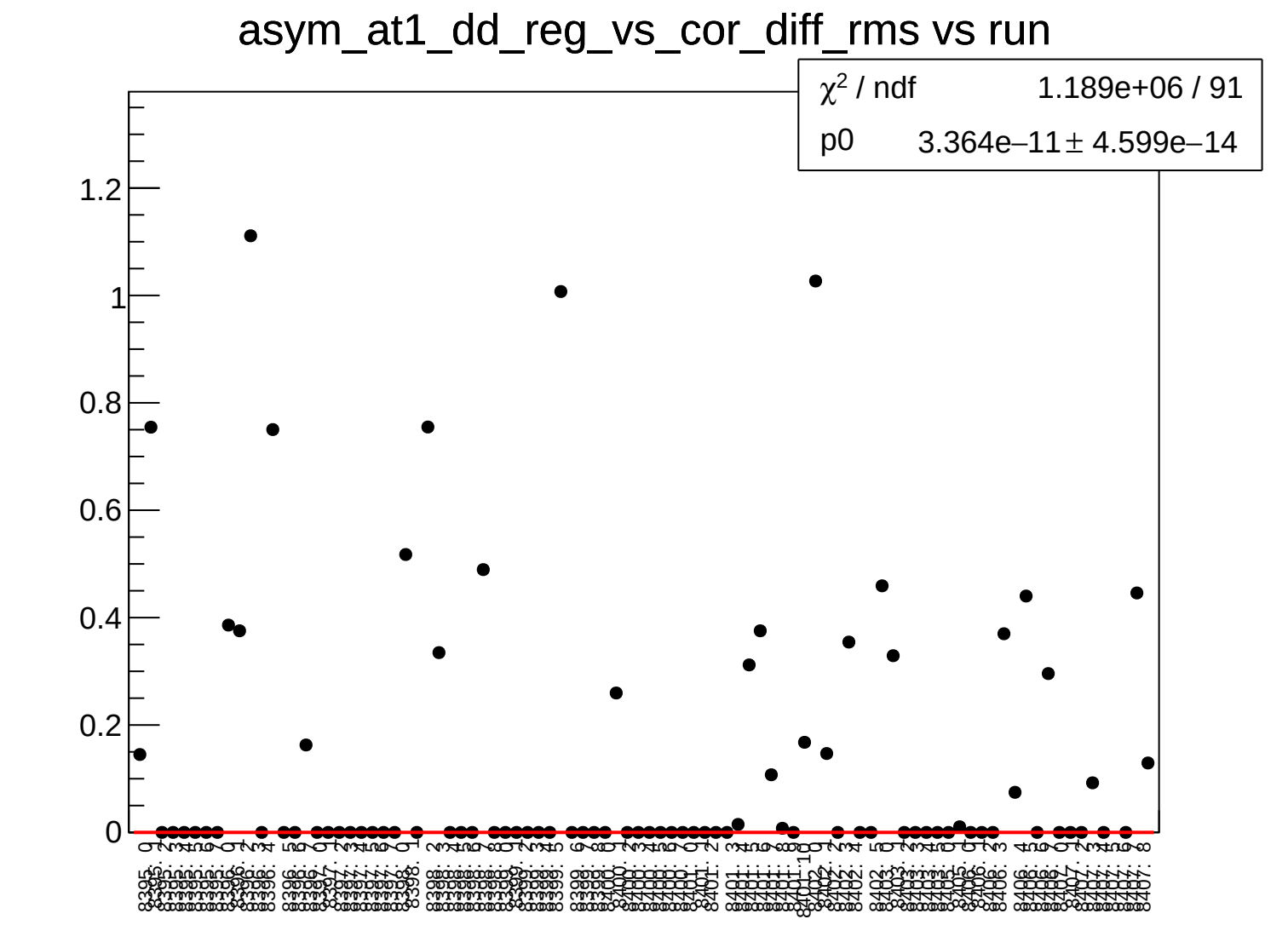

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1614 / 91
p0 525 ± 0.4
580
560
540
520
500

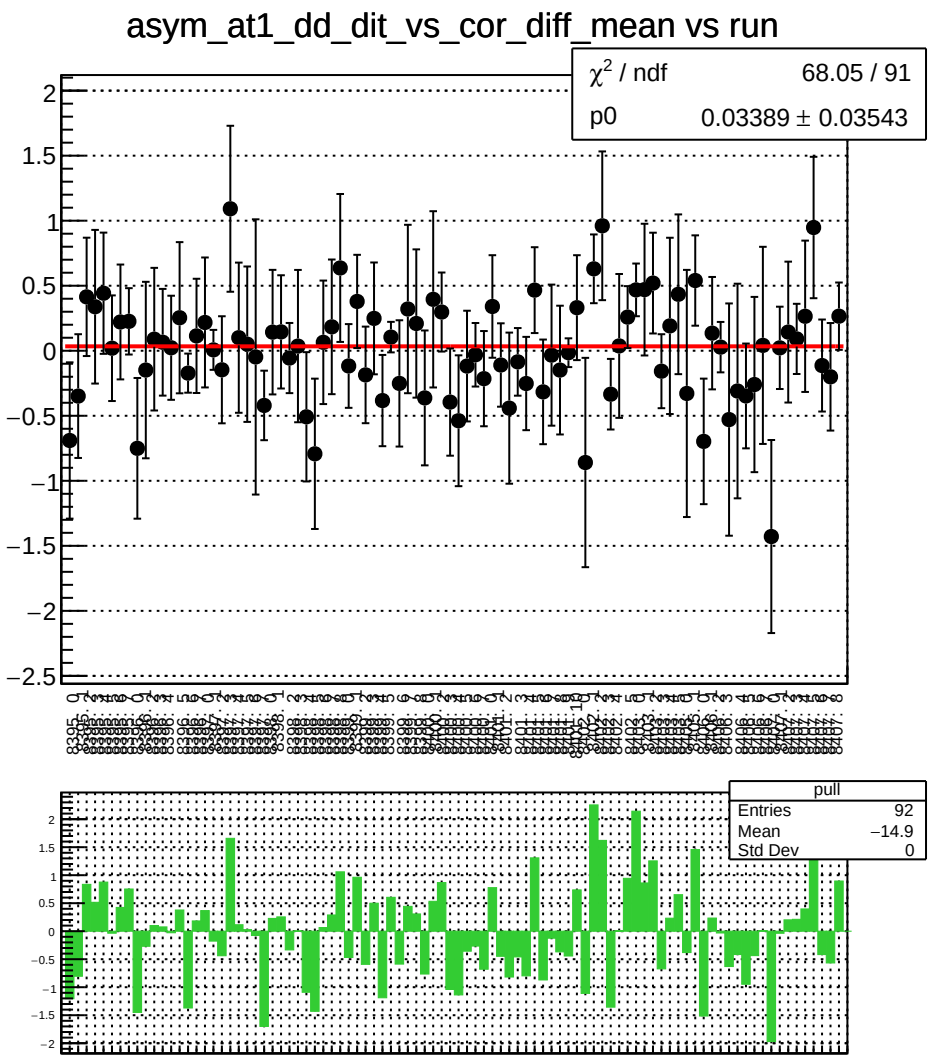

asym_at1_dd_mean vs run
χ² / ndf 106.1 / 91
p0 −2588 ± 2014
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 357.7
Std Dev 0
3
2
1
0
−1
−2
−3

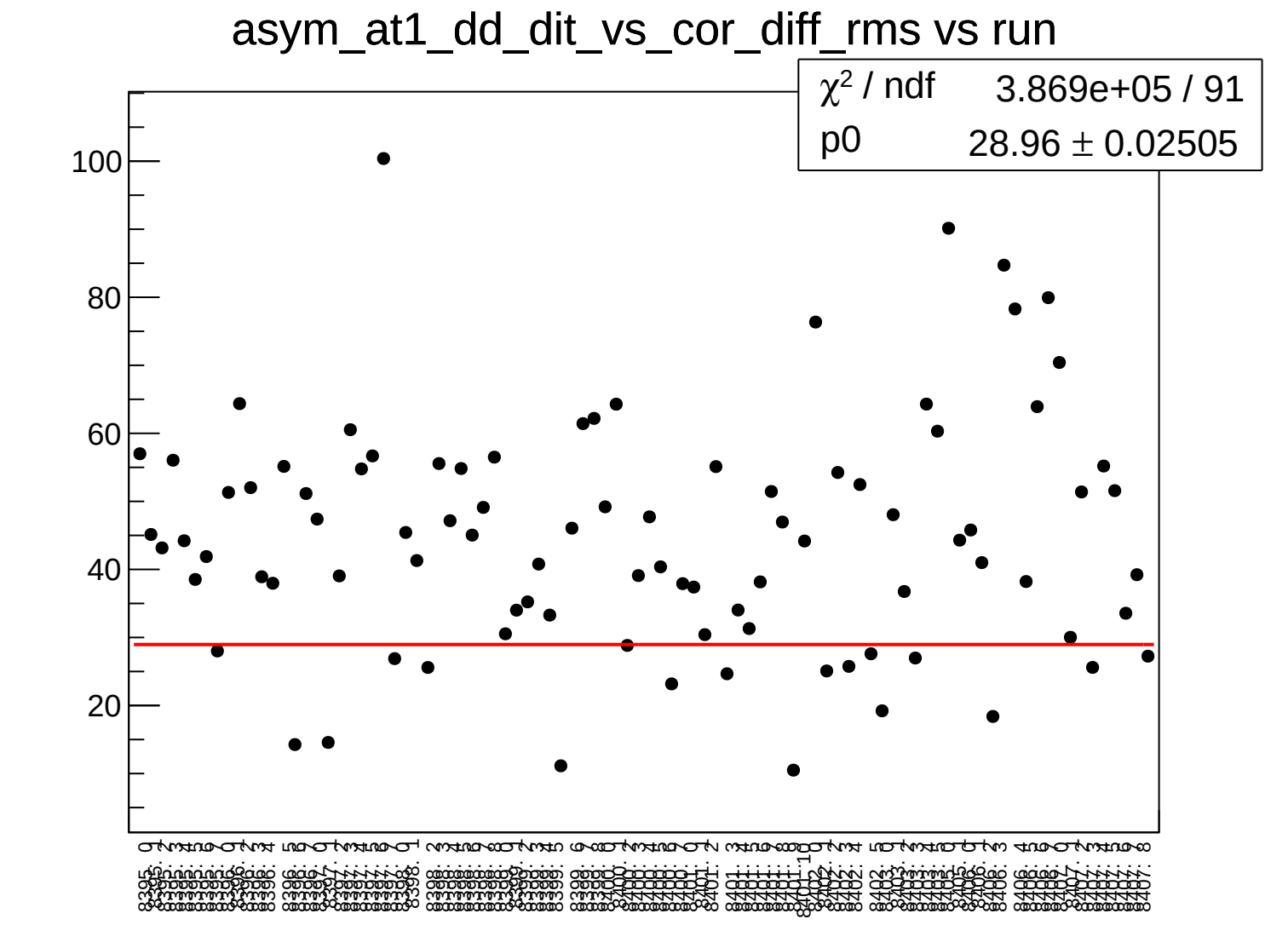

pull1D
Entries 92
Mean −0.004714
Std Dev 1.074
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

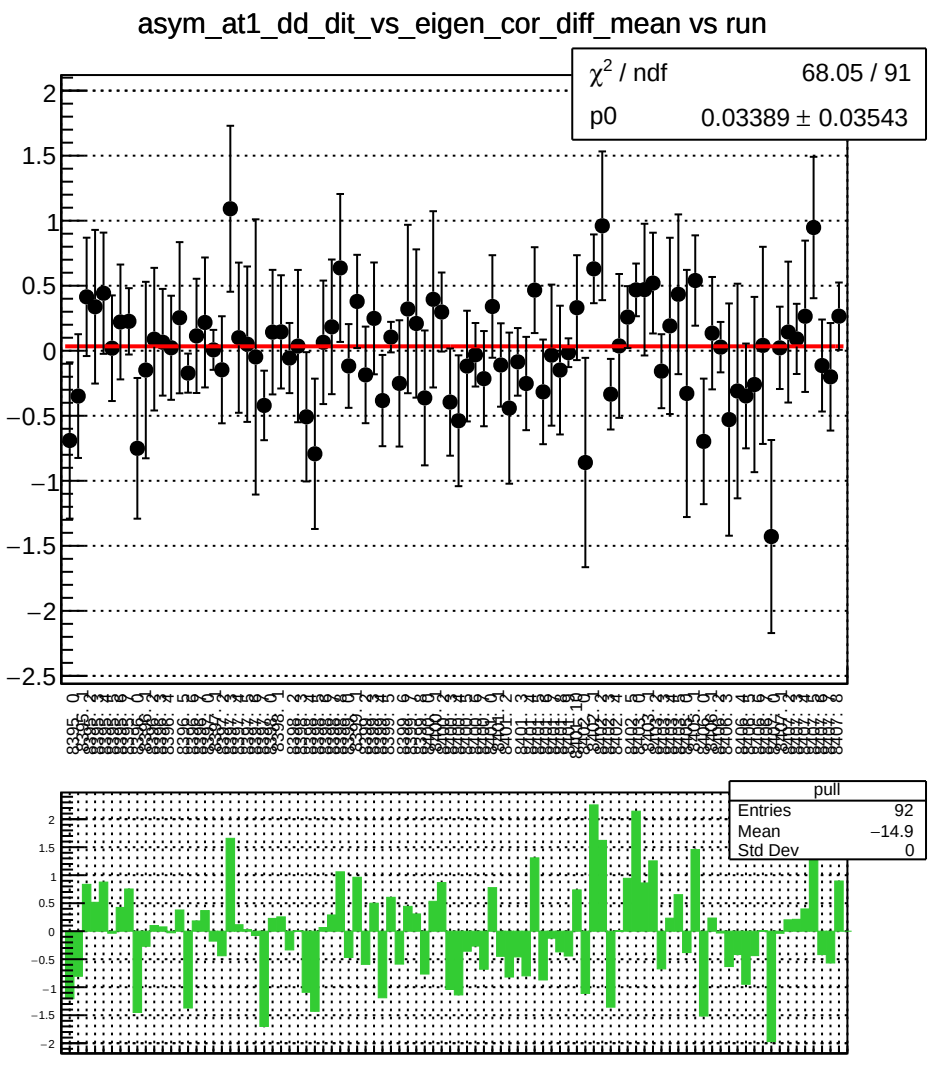

asym_at1_dd_rms vs run
$\chi^2$ / ndf 120.4 / 91
p0 1870 ± 1.424
1940
1920
1900
1880
1860
1840
1820

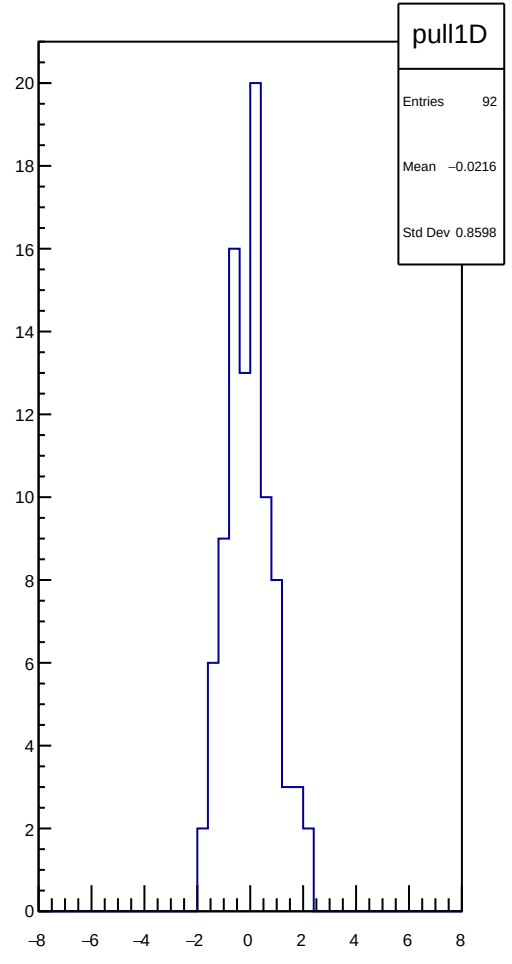

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 83.06 / 91
p0 1.002e−13 ± 6.504e−14
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 36.17
Std Dev 48.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.06483
Std Dev 0.9479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

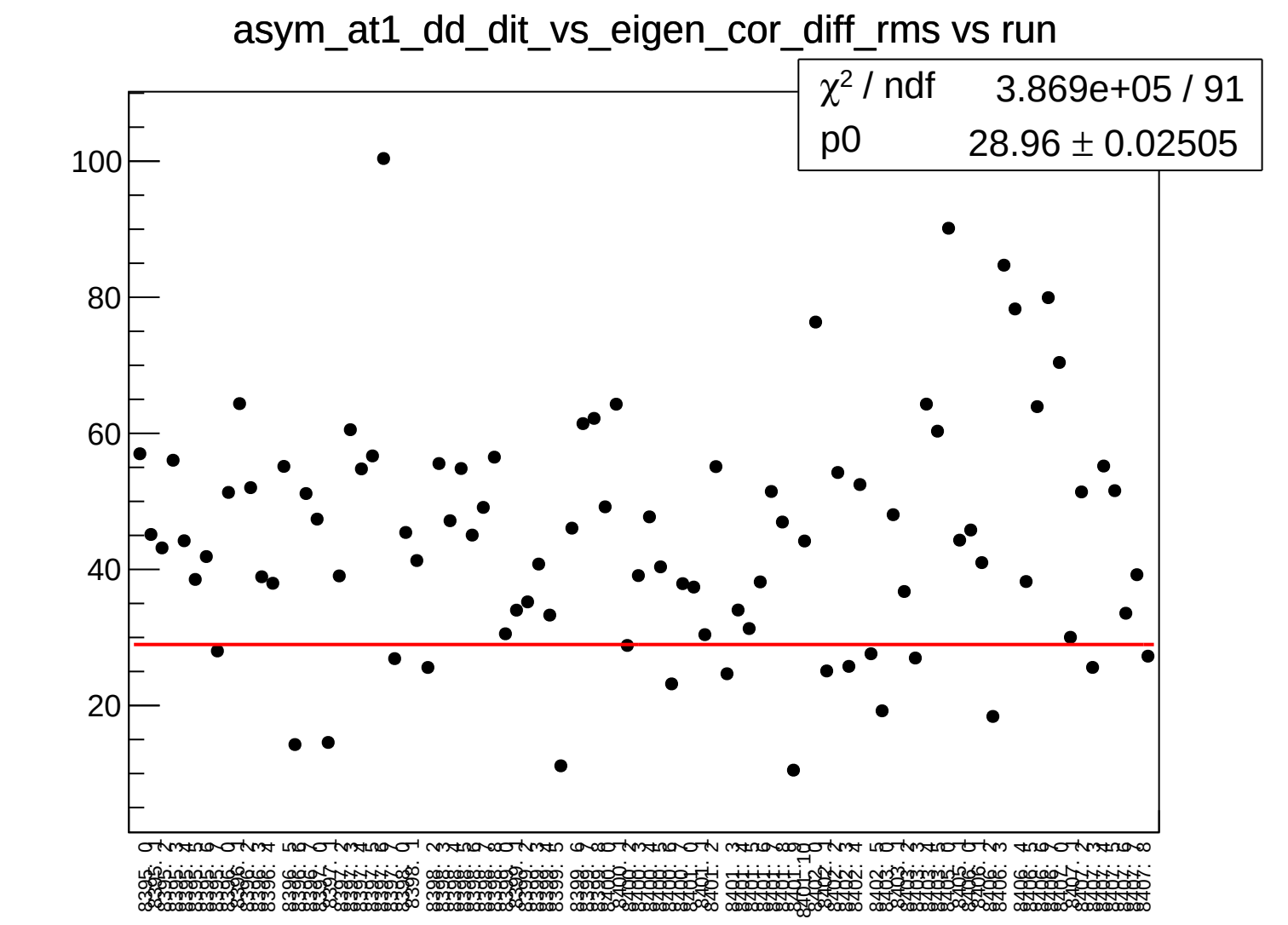

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.189e+06 / 91
p0 3.364e−11 ± 4.599e−14
1.2
1
0.8
0.6
0.4
0.2
0

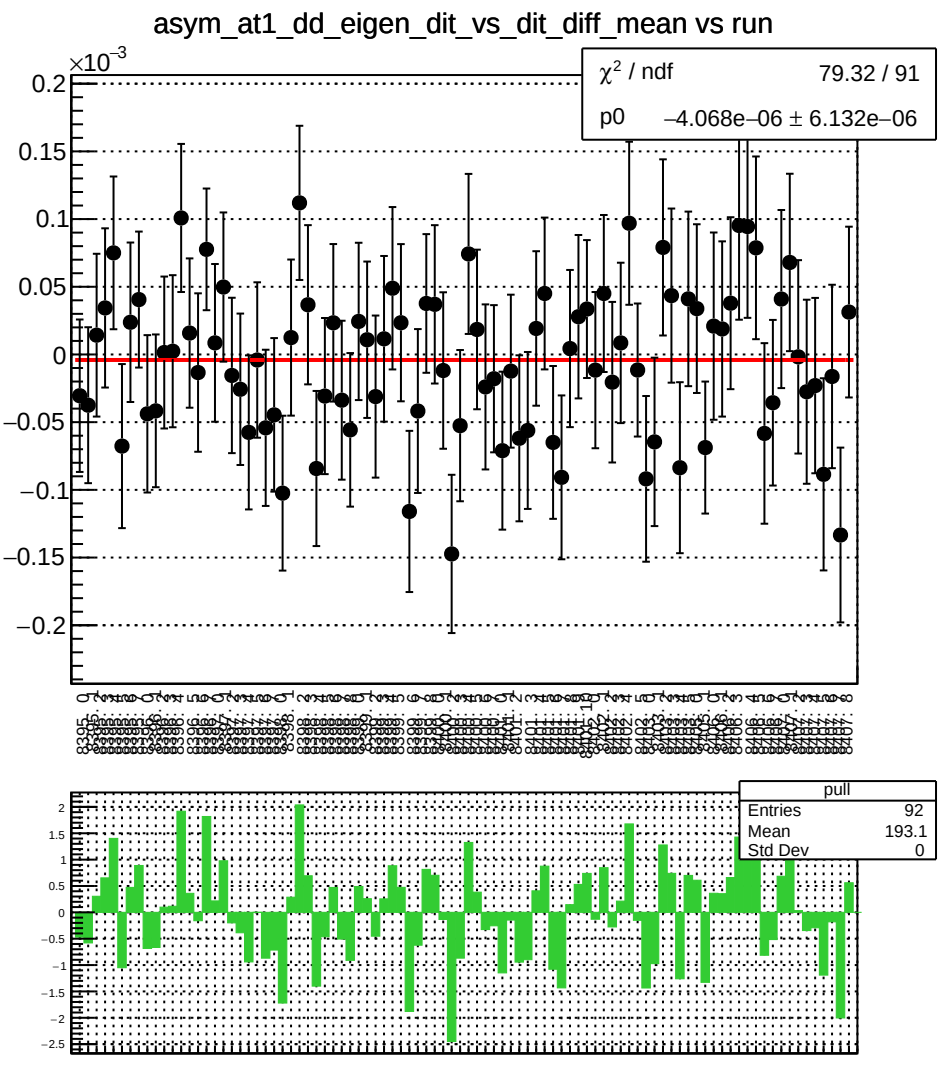

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.05 / 91
p0 0.03389 ± 0.03543
pull
Entries 92
Mean −14.9
Std Dev 0
pull1D
Entries 92
Mean −0.0216
Std Dev 0.8598

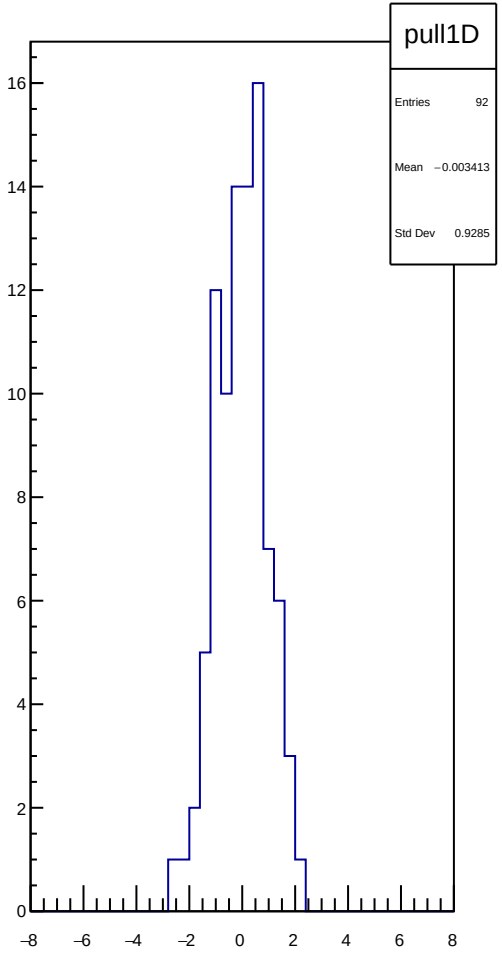

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.869e+05 / 91
p0 28.96 ± 0.02505
100
80
60
40
20

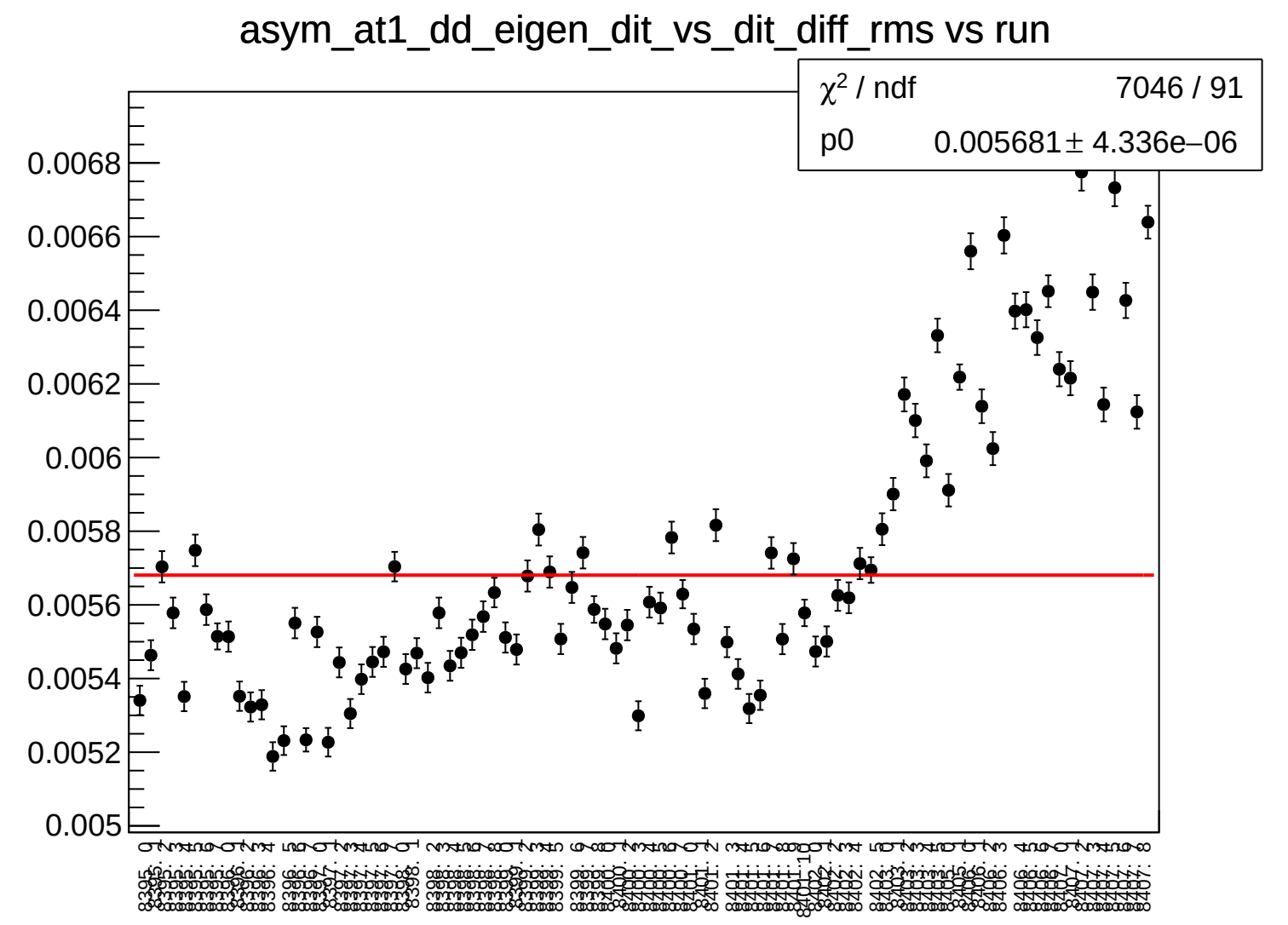

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.05 / 91
p0 0.03389 ± 0.03543
pull
Entries 92
Mean −14.9
Std Dev 0

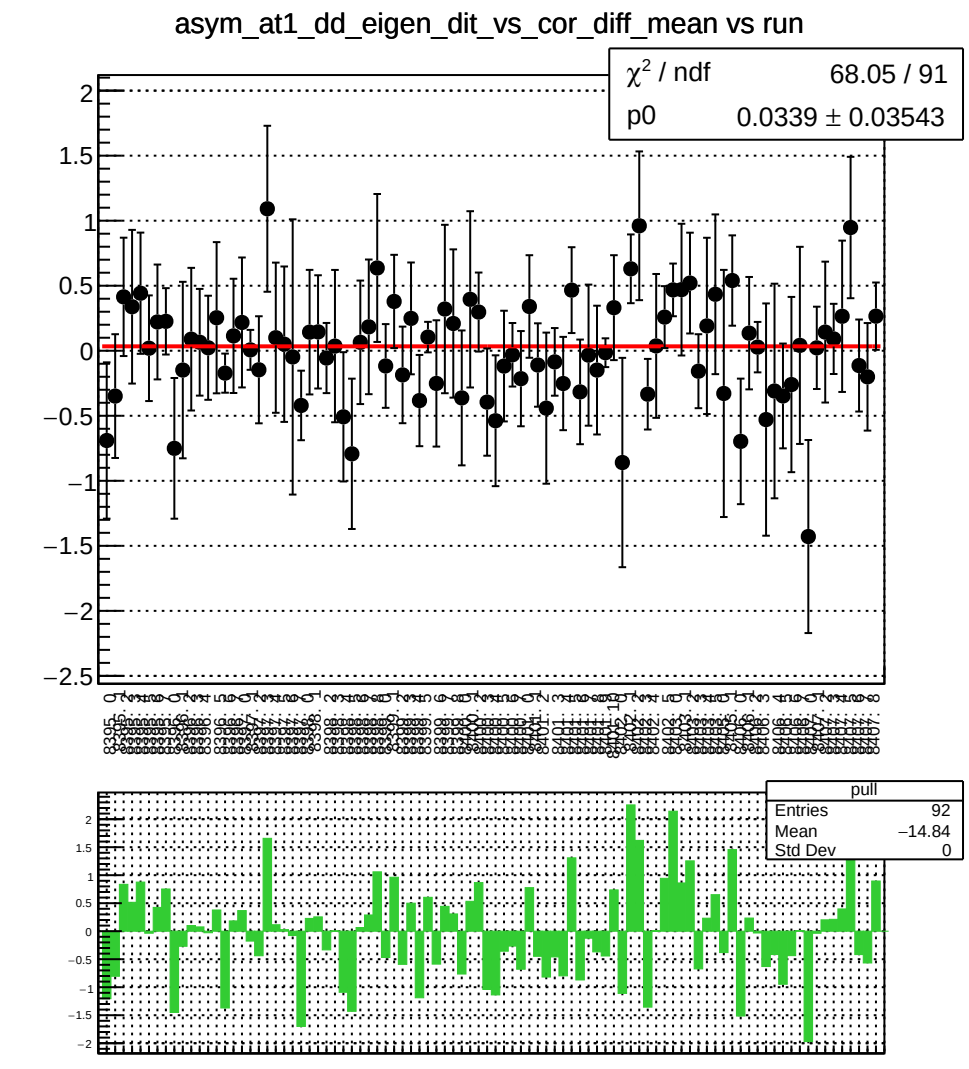

pull1D
Entries 92
Mean −0.0216
Std Dev 0.8598

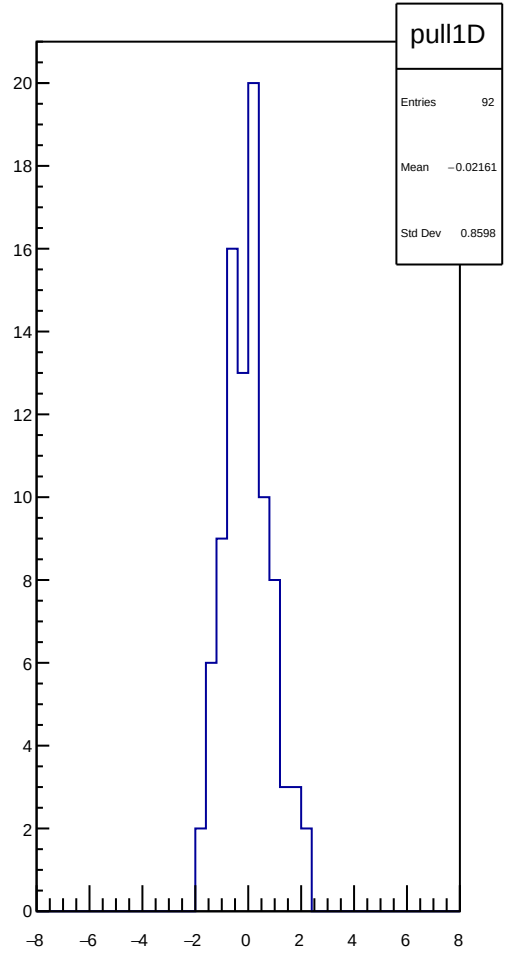

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.869e+05 / 91
p0 28.96 ± 0.02505
100
80
60
40
20

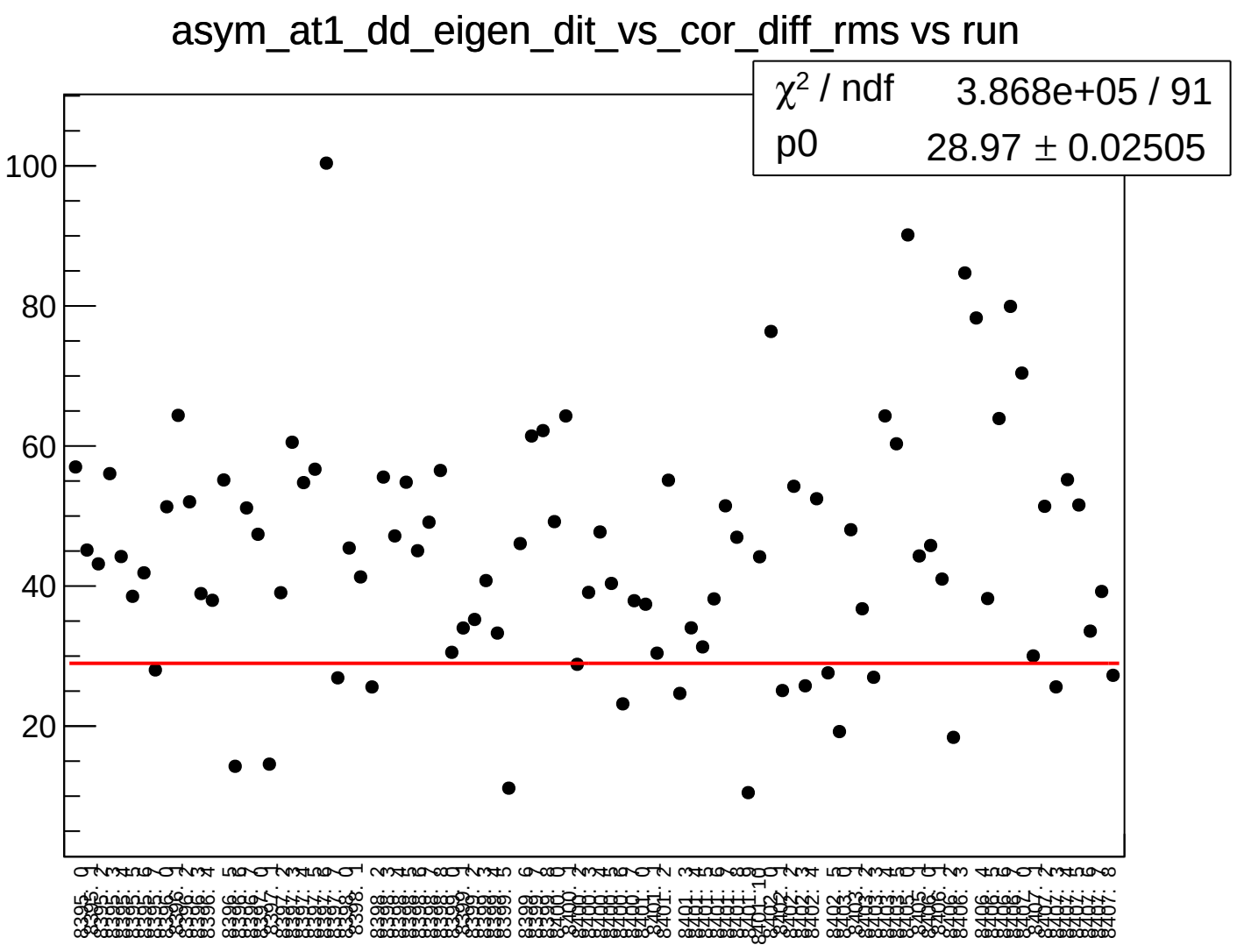

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 79.32 / 91
p0 −4.068e−06 ± 6.132e−06
pull
Entries 92
Mean 193.1
Std Dev 0

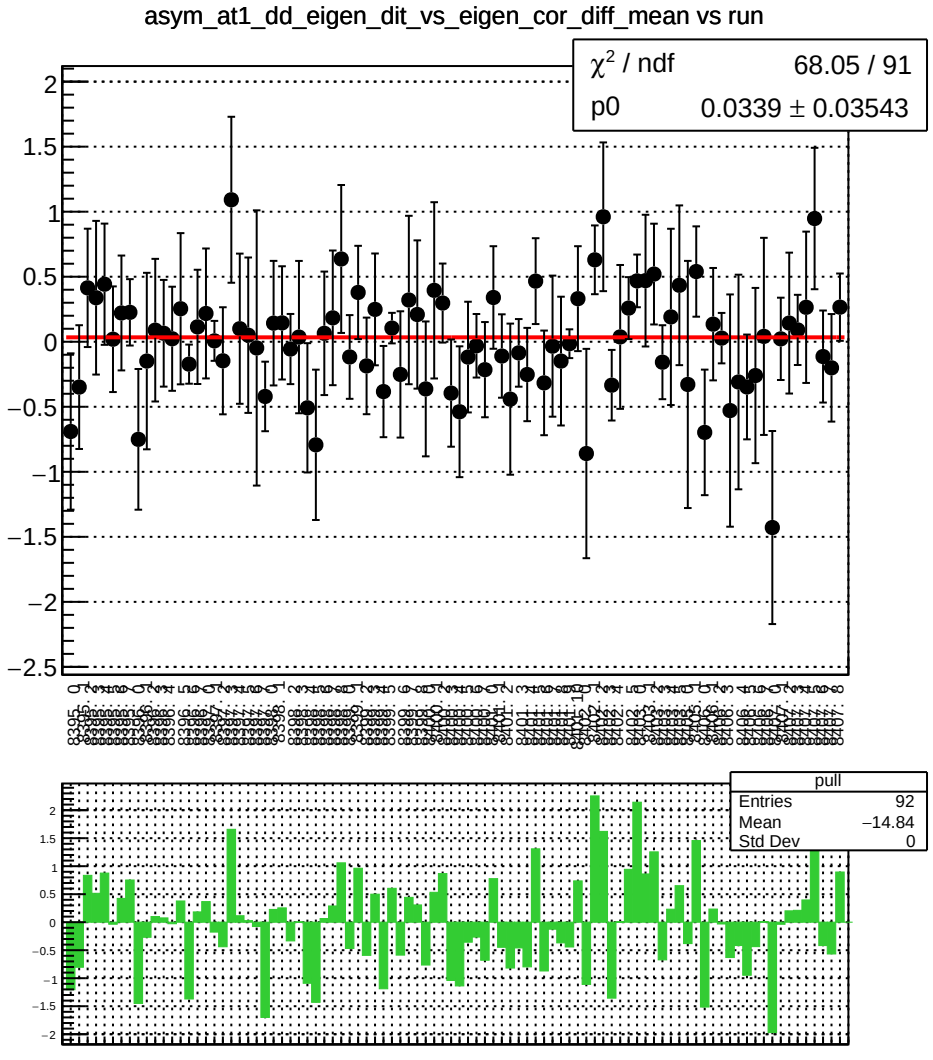

pull1D
Entries 92
Mean −0.003413
Std Dev 0.9285

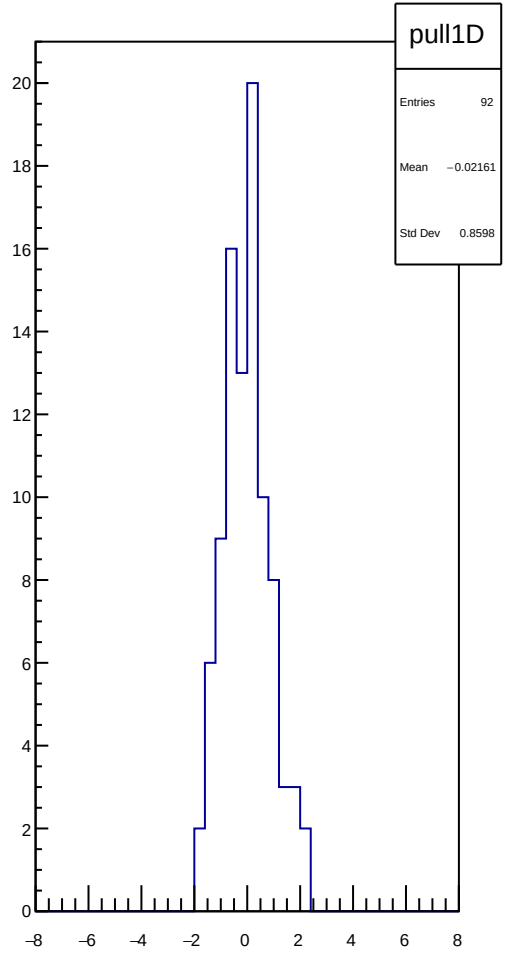

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7046 / 91
p0 0.005681 ± 4.336e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005

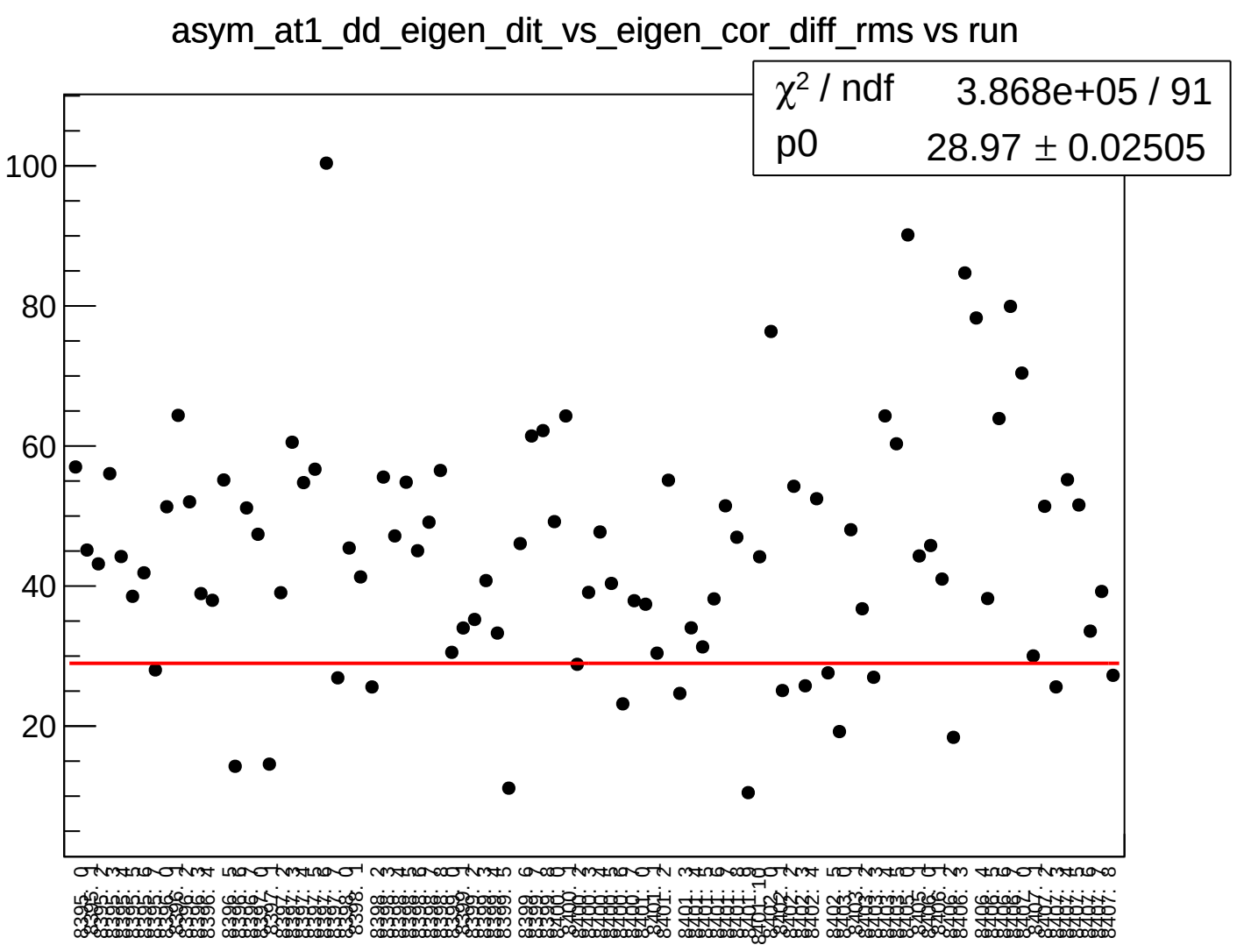

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.05 / 91
p0 0.0339 ± 0.03543
pull
Entries 92
Mean −14.84
Std Dev 0

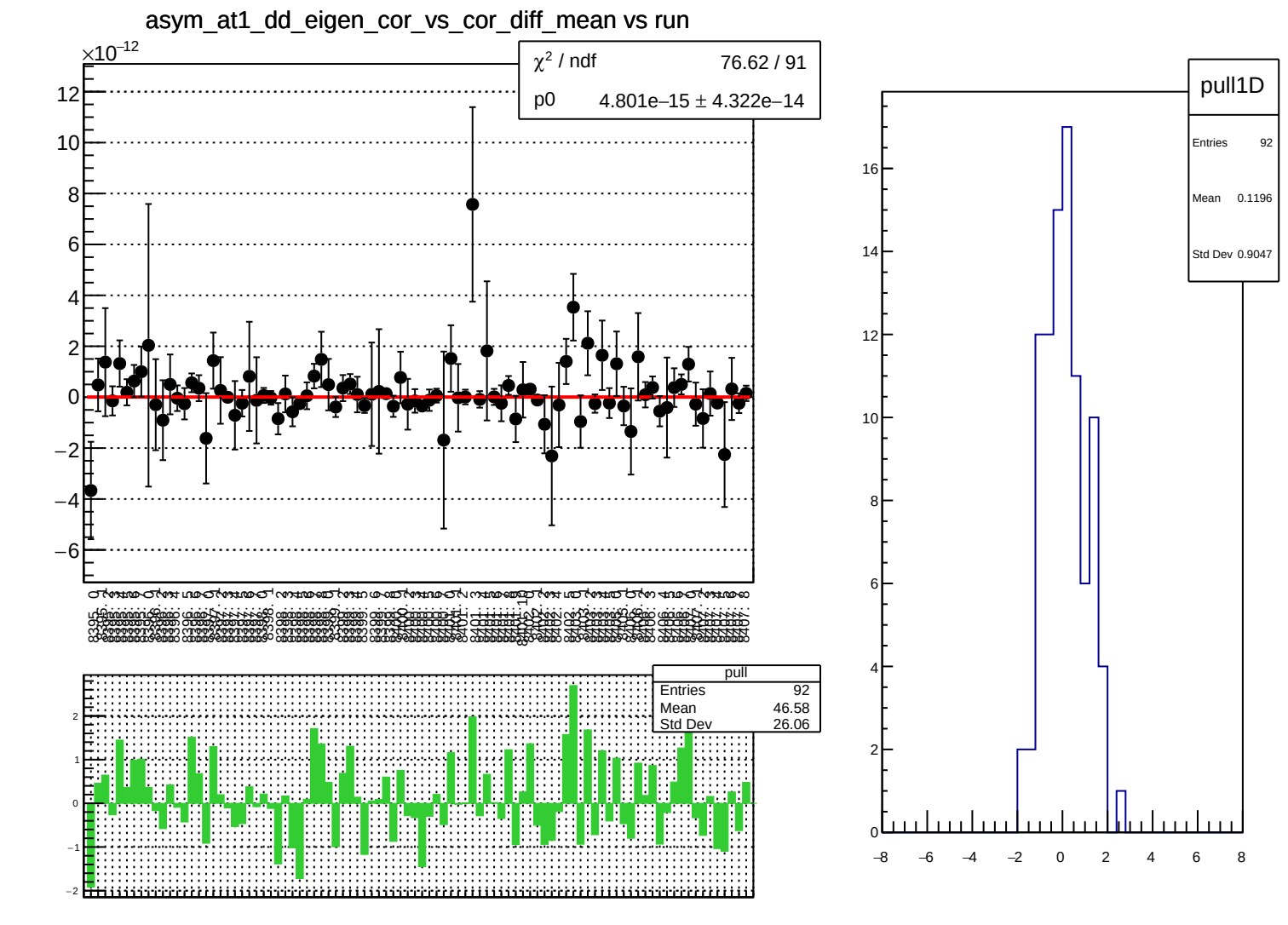

pull1D
Entries 92
Mean −0.02161
Std Dev 0.8598

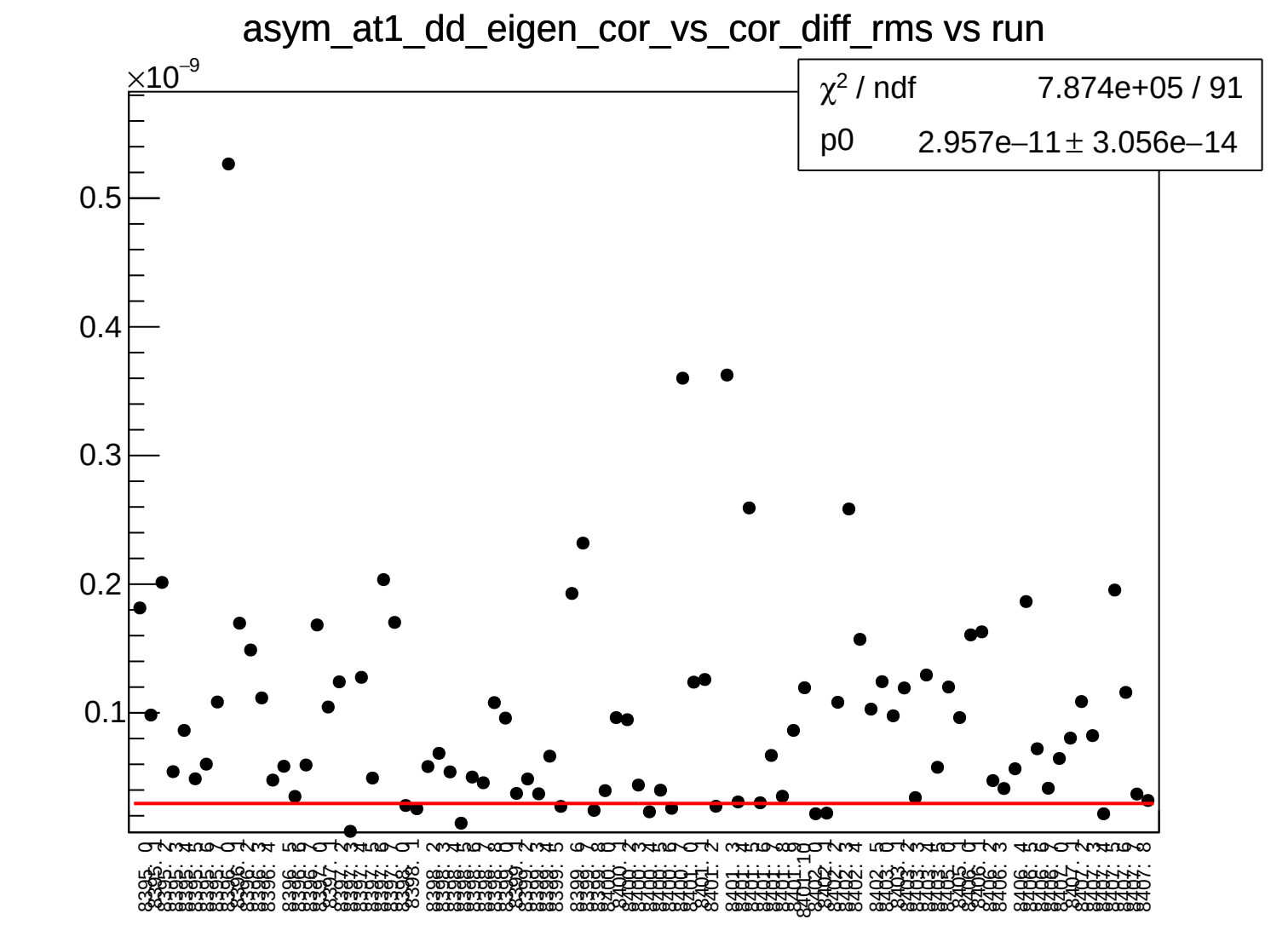

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.868e+05 / 91
p0 28.97 ± 0.02505
100
80
60
40
20

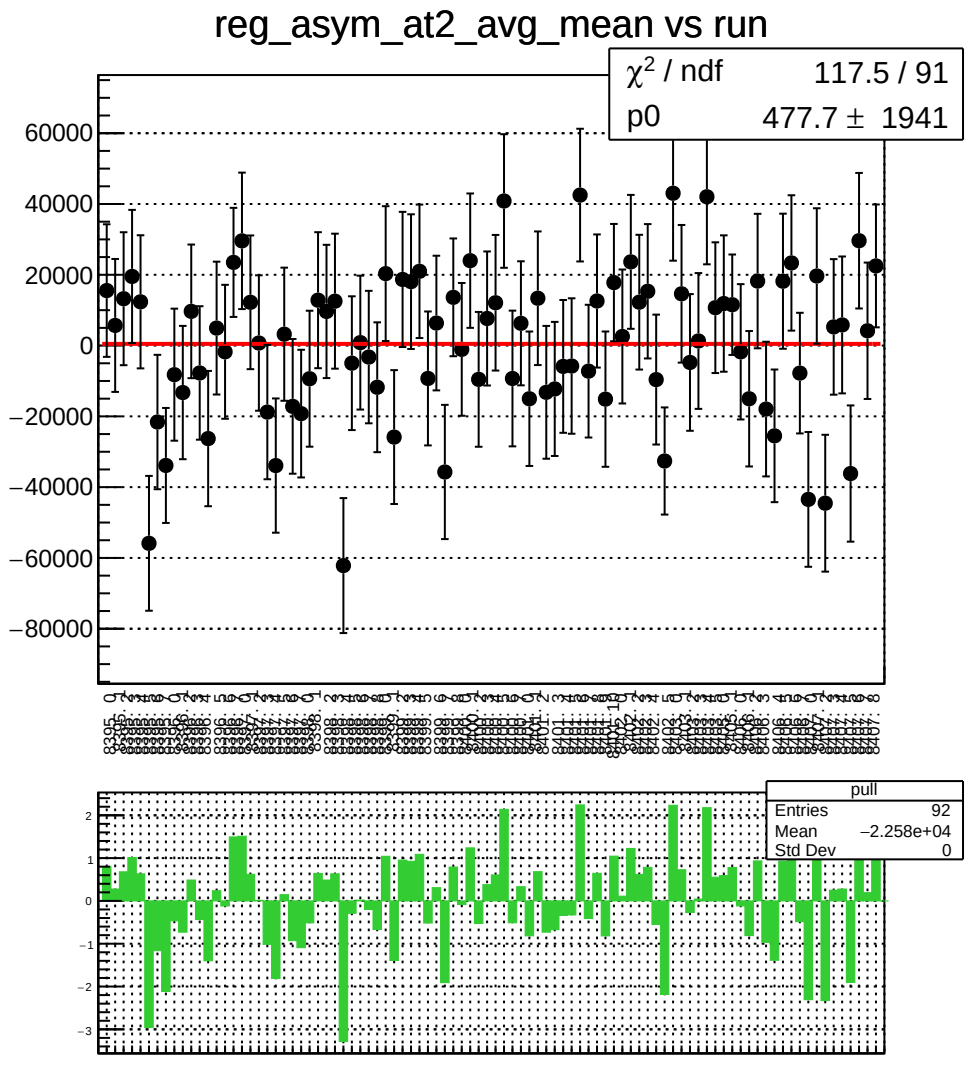

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.05 / 91
p0 0.0339 ± 0.03543
pull
Entries 92
Mean −14.84
Std Dev 0

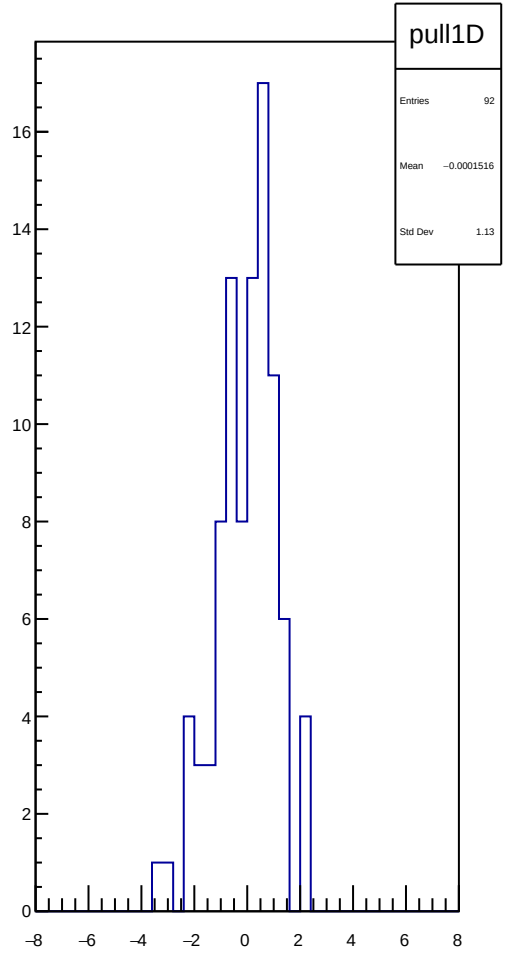

pull1D
Entries 92
Mean −0.02161
Std Dev 0.8598

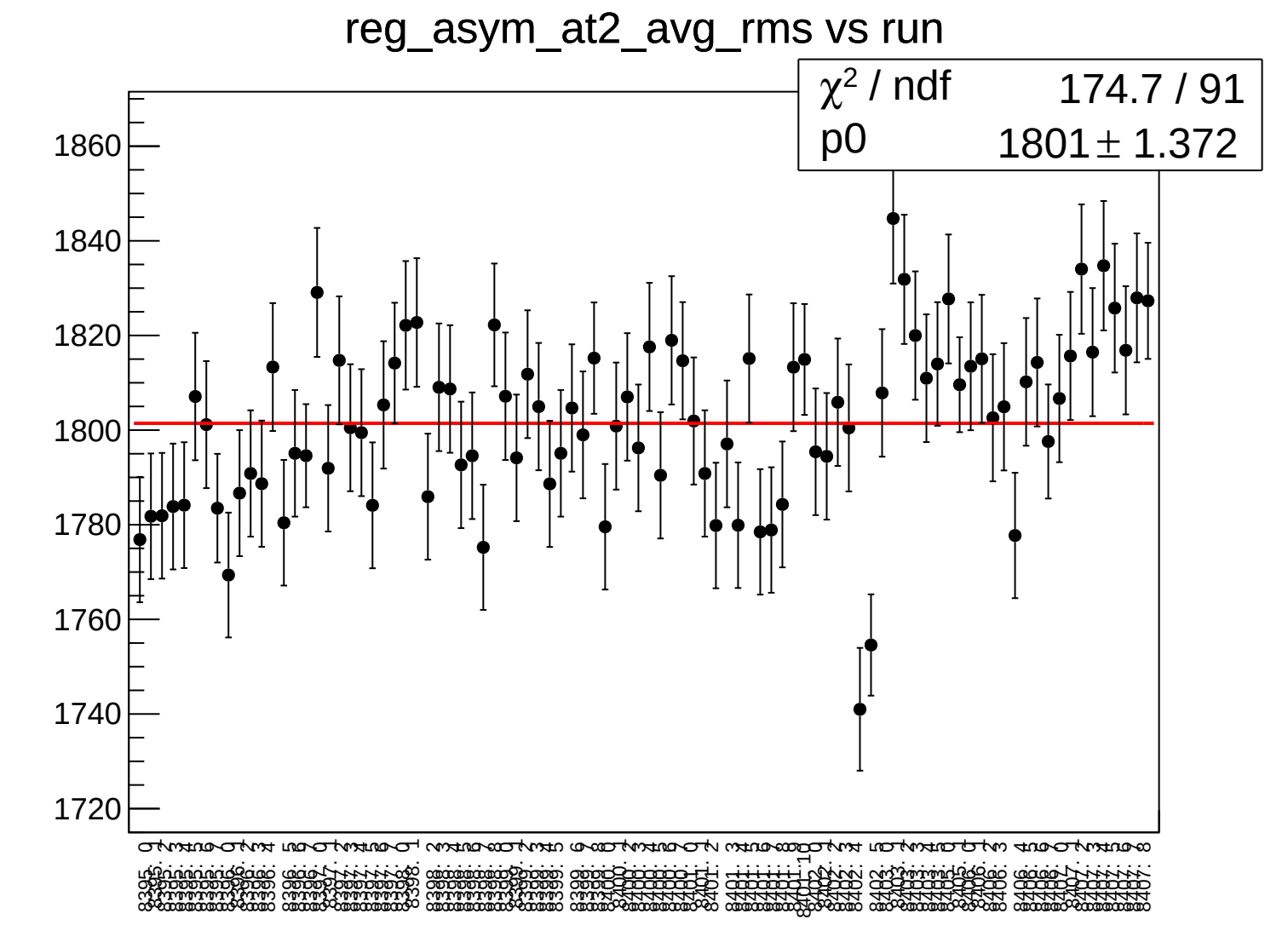

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.868e+05 / 91
p0 28.97 ± 0.02505
100
80
60
40
20

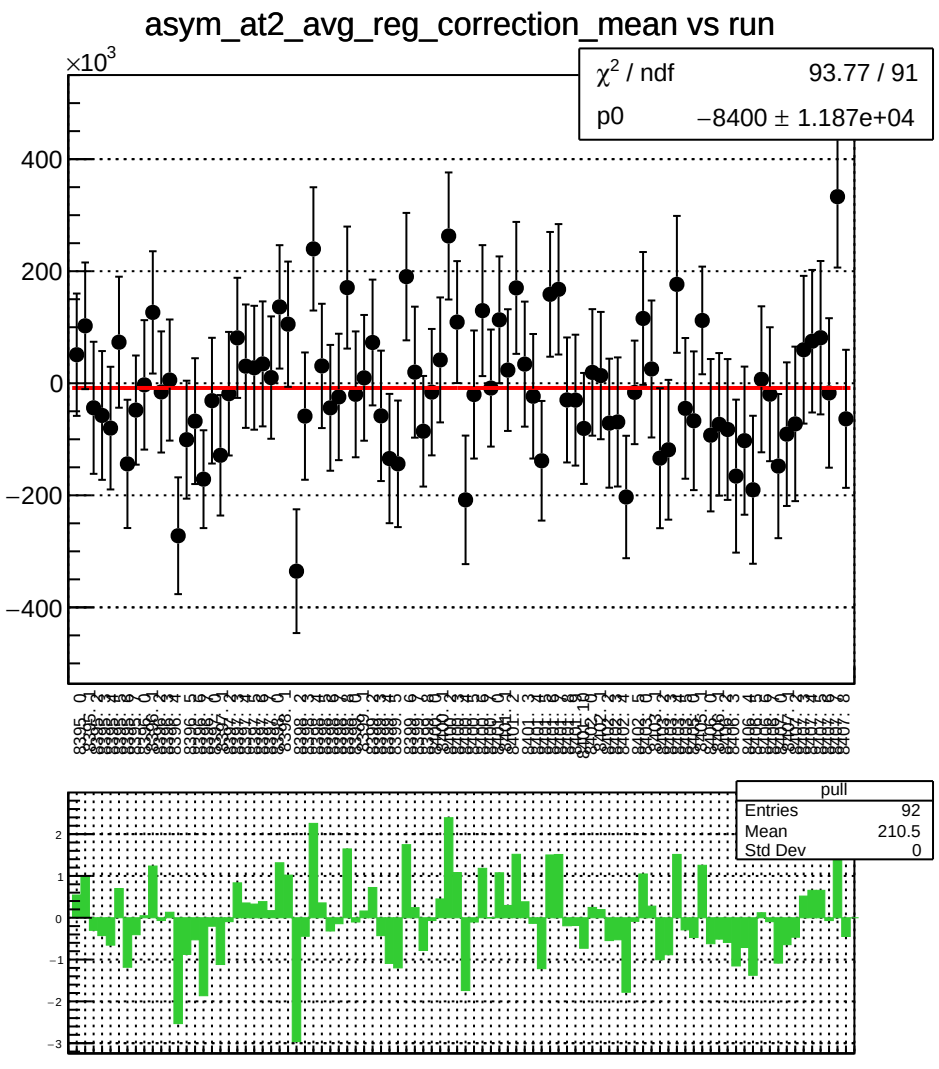

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.62 / 91
p0 4.801e−15 ± 4.322e−14
pull
Entries 92
Mean 46.58
Std Dev 26.06
pull1D
Entries 92
Mean 0.1196
Std Dev 0.9047

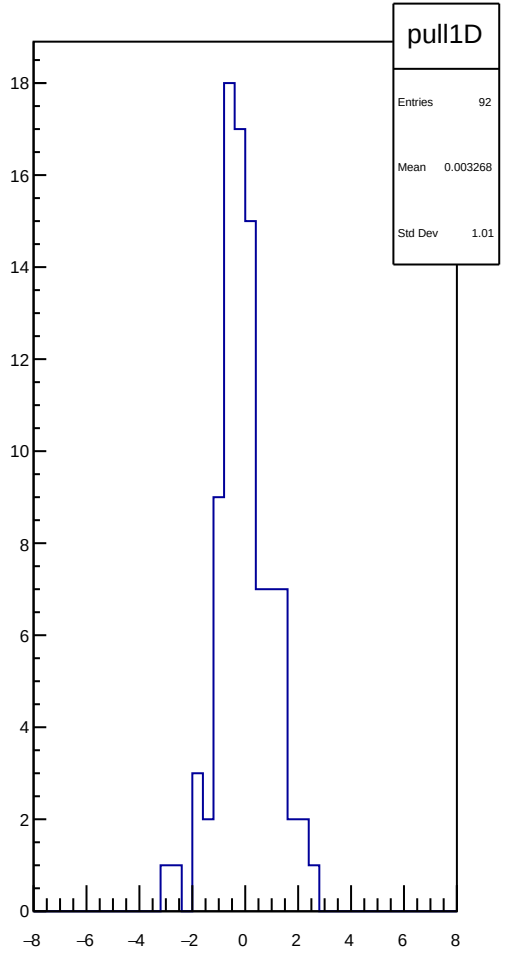

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.874e+05 / 91
p0 2.957e−11 ± 3.056e−14
0.5
0.4
0.3
0.2
0.1

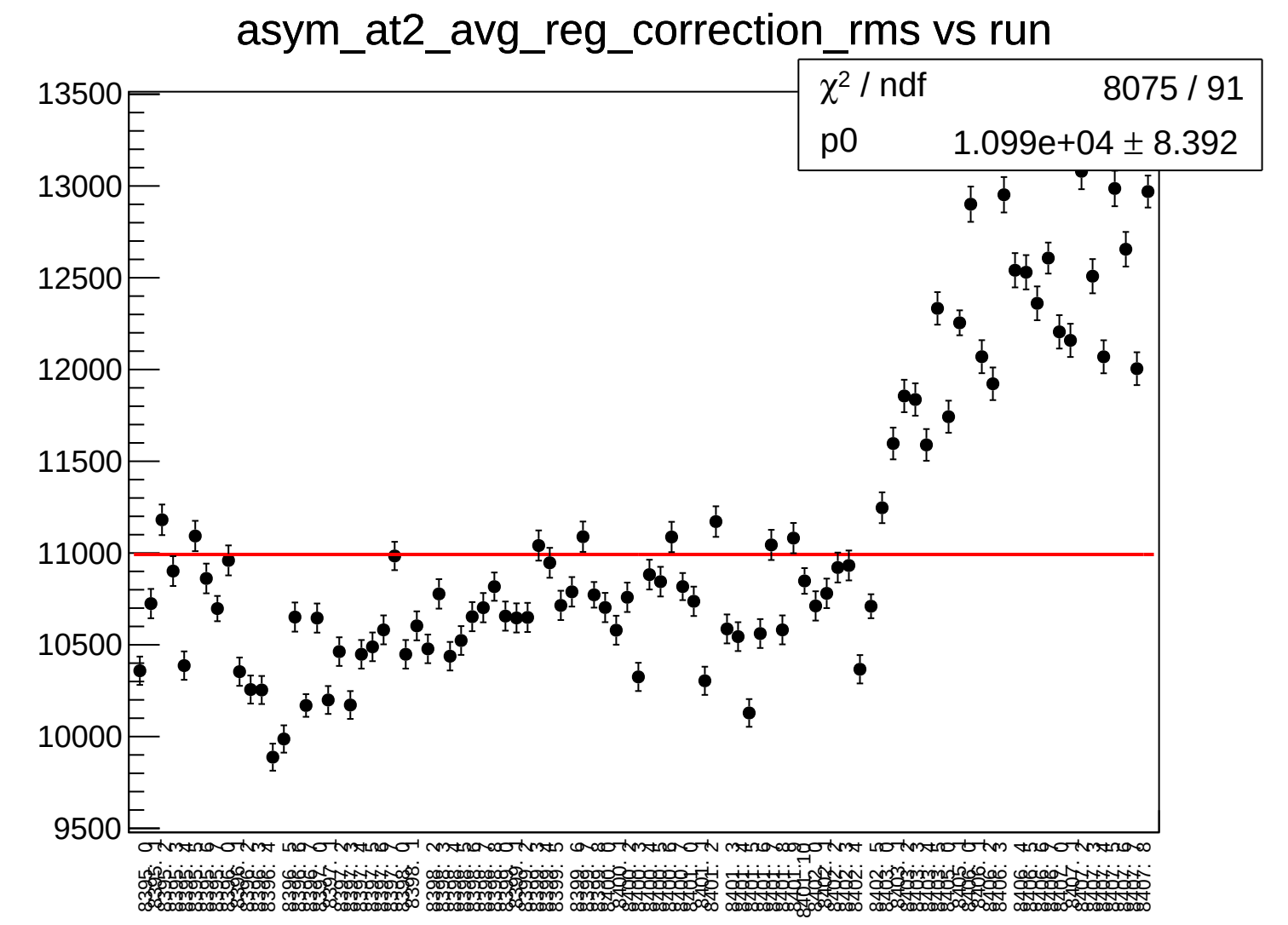

reg_asym_at2_avg_mean vs run
χ² / ndf 117.5 / 91
p0 477.7 ± 1941
pull
Entries 92
Mean −2.258e+04
Std Dev 0

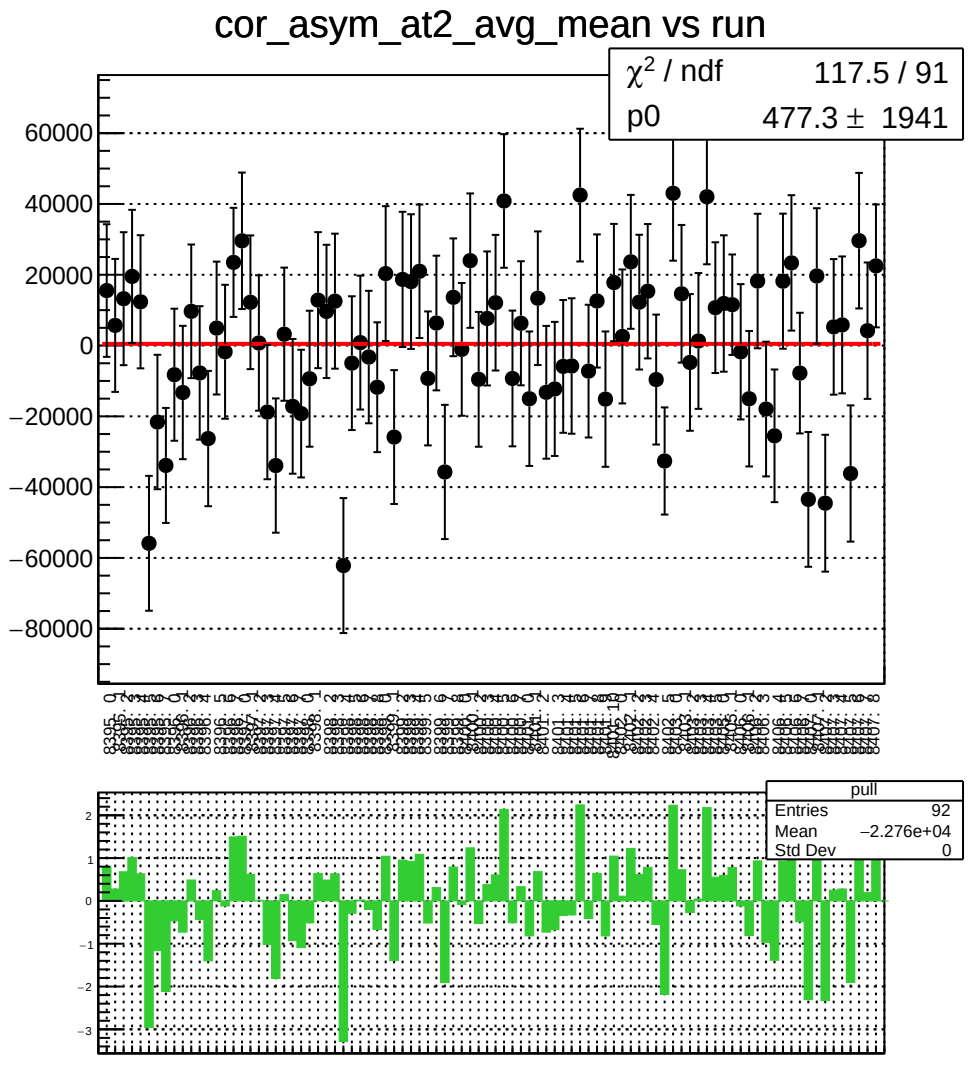

pull1D
Entries 92
Mean −0.0001516
Std Dev 1.13

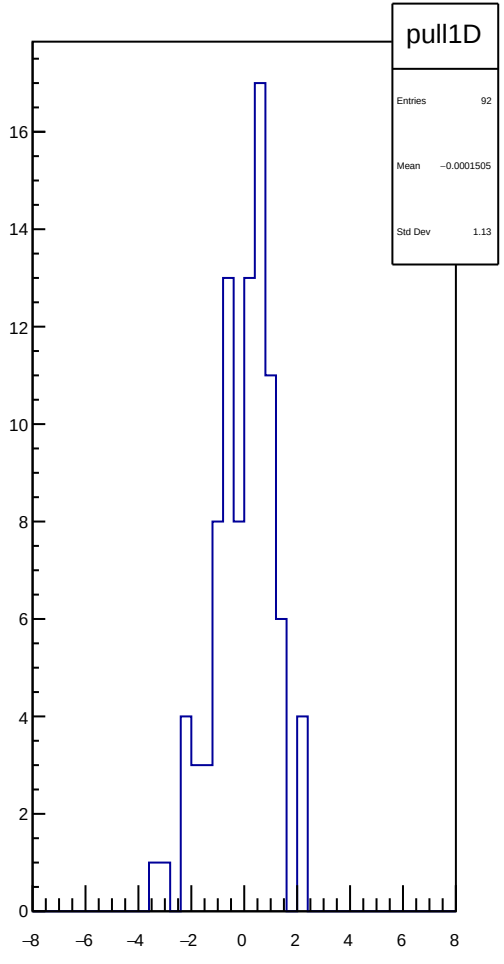

reg_asym_at2_avg_rms vs run
$\chi^2$ / ndf 174.7 / 91
p0 1801 ± 1.372
1860
1840
1820
1800
1780
1760
1740
1720

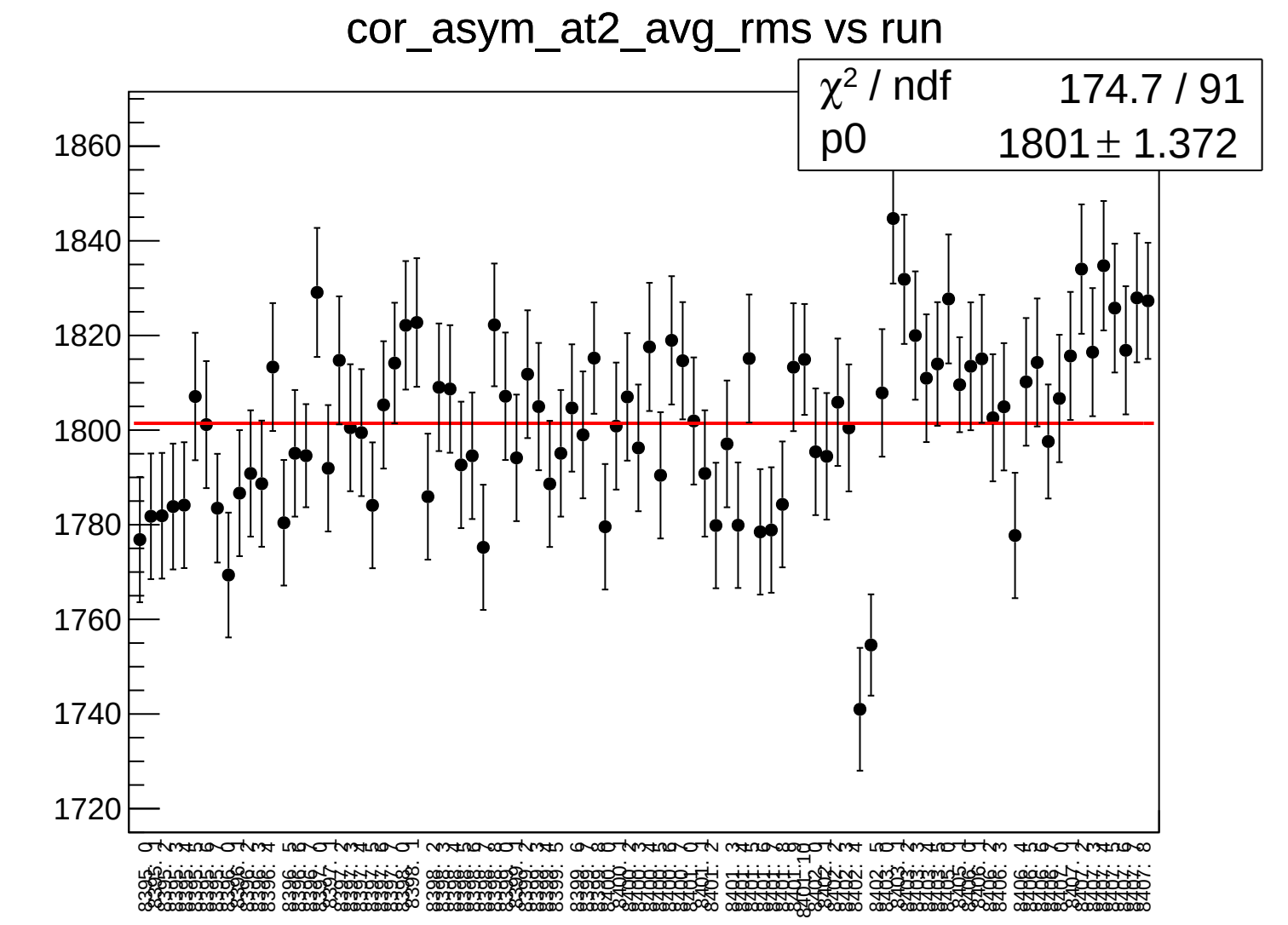

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 93.77 / 91
p0 −8400 ± 1.187e+04
400
200
0
−200
−400
pull
Entries 92
Mean 210.5
Std Dev 0
2
1
0
−1
−2
−3

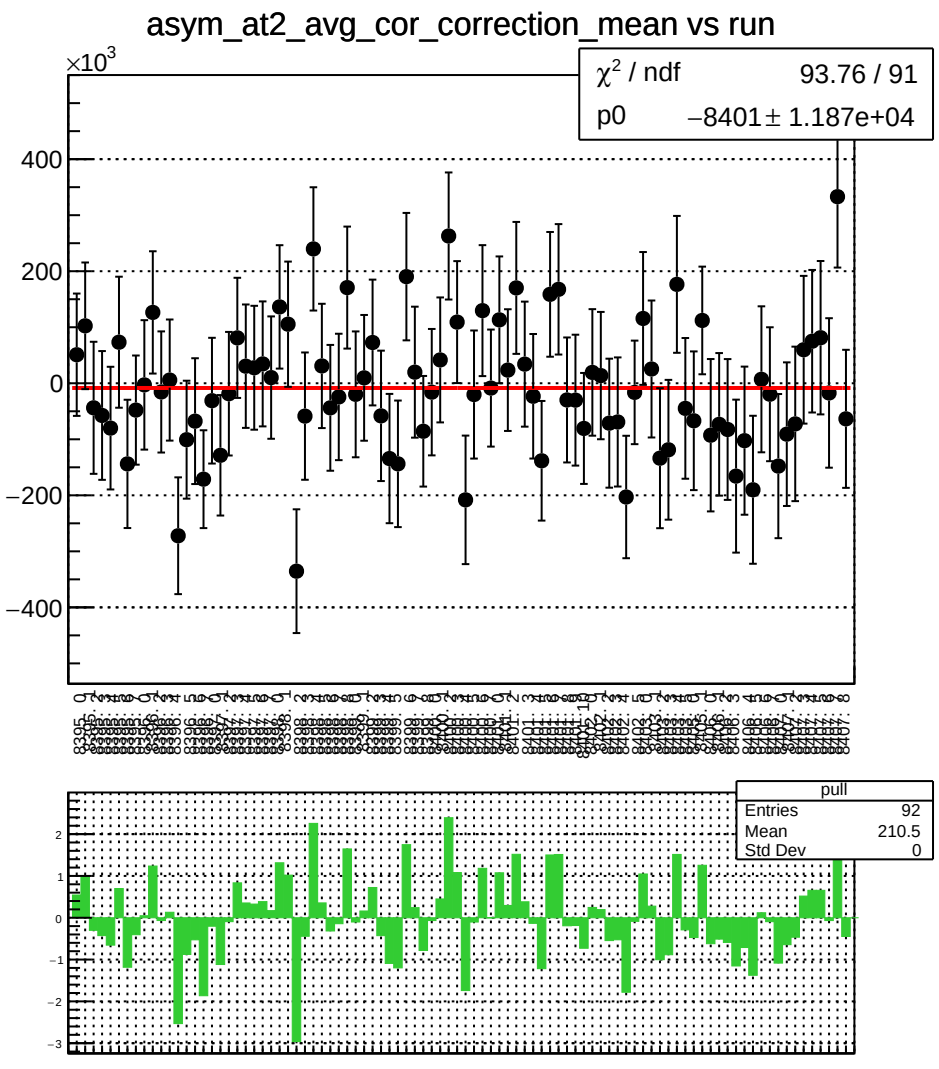

pull1D
Entries 92
Mean 0.003268
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

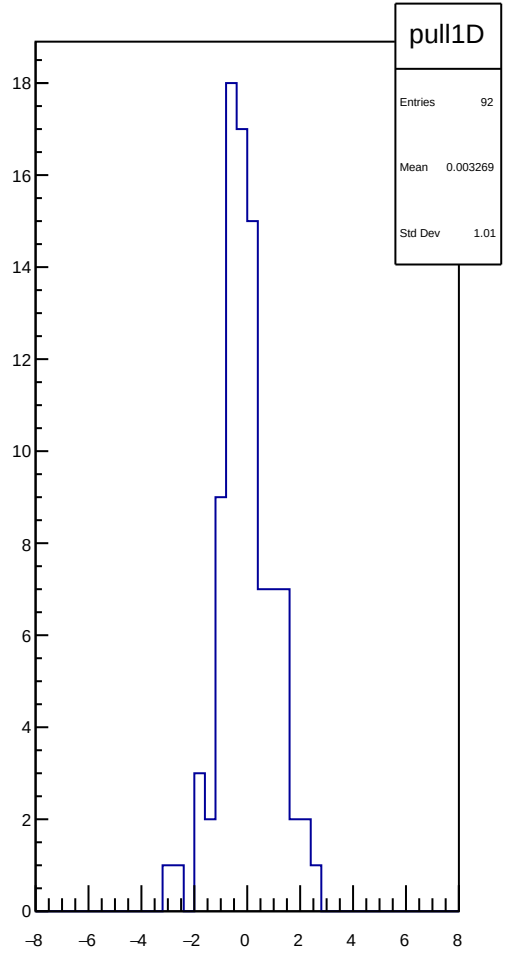

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 8075 / 91
p0 1.099e+04 ± 8.392
13500
13000
12500
12000
11500
11000
10500
10000
9500

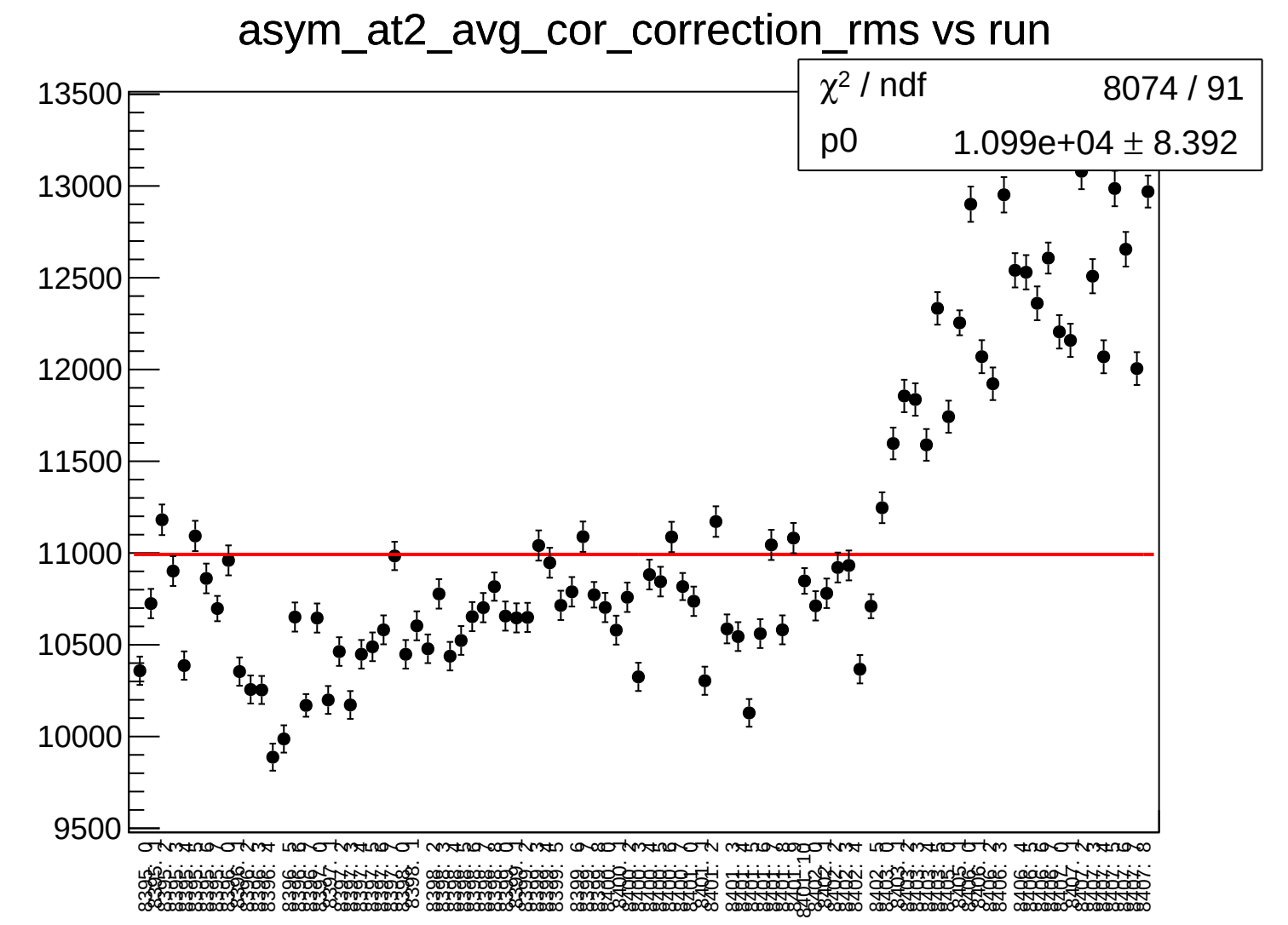

cor_asym_at2_avg_mean vs run
χ² / ndf 117.5 / 91
p0 477.3 ± 1941
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −2.276e+04
Std Dev 0
2
1
0
−1
−2
−3

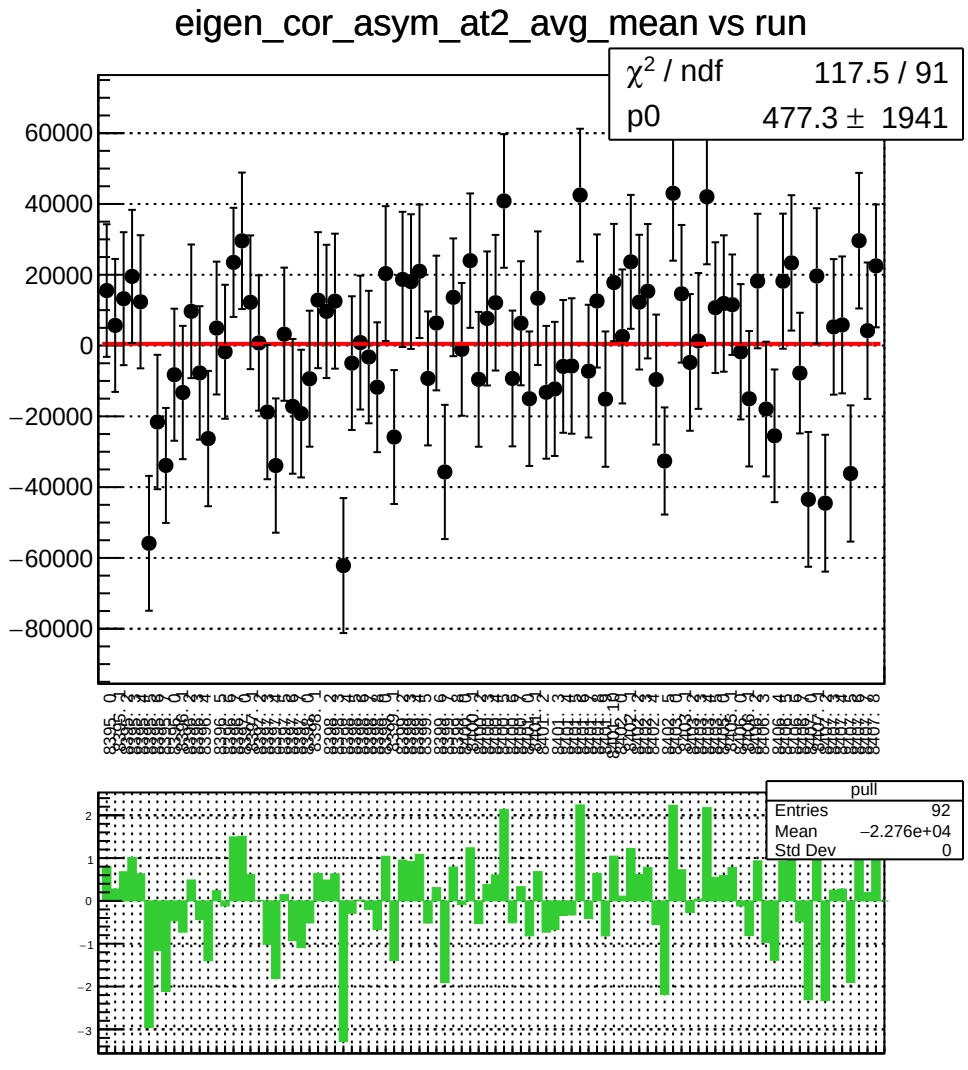

pull1D
Entries 92
Mean −0.0001505
Std Dev 1.13
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

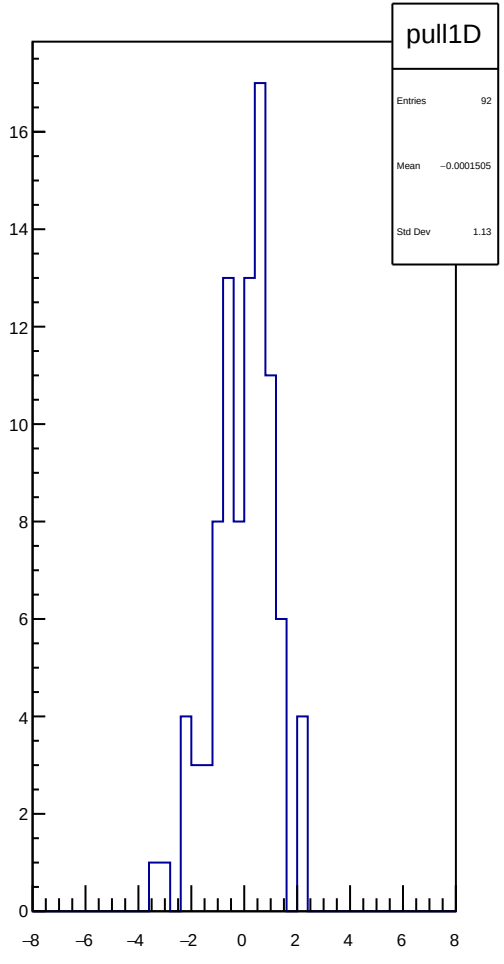

cor_asym_at2_avg_rms vs run
$\chi^2$ / ndf 174.7 / 91
p0 1801 ± 1.372
1860
1840
1820
1800
1780
1760
1740
1720

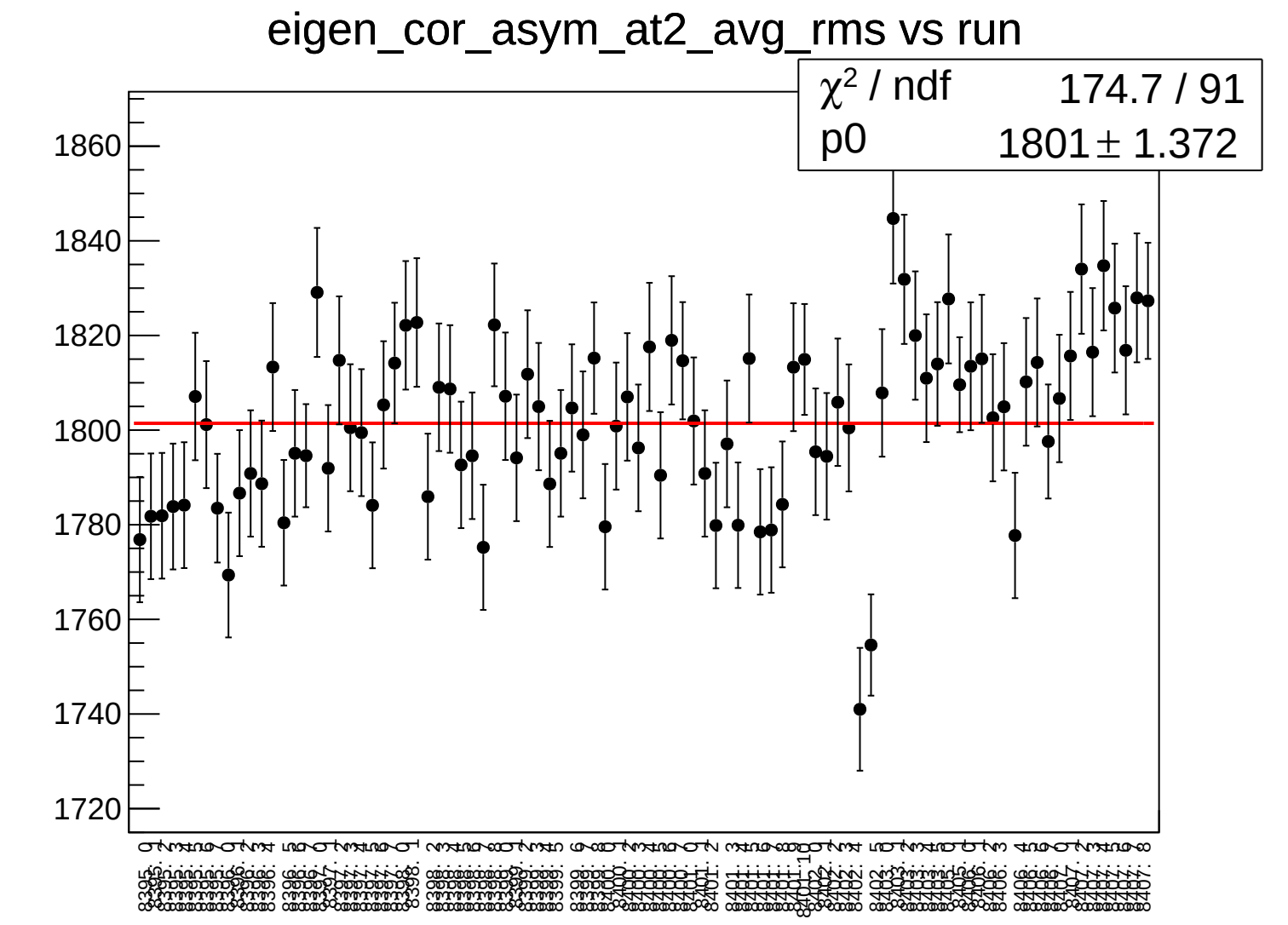

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 93.76 / 91
p0 −8401 ± 1.187e+04
400
200
0
−200
−400
pull
Entries 92
Mean 210.5
Std Dev 0
2
1
0
−1
−2
−3

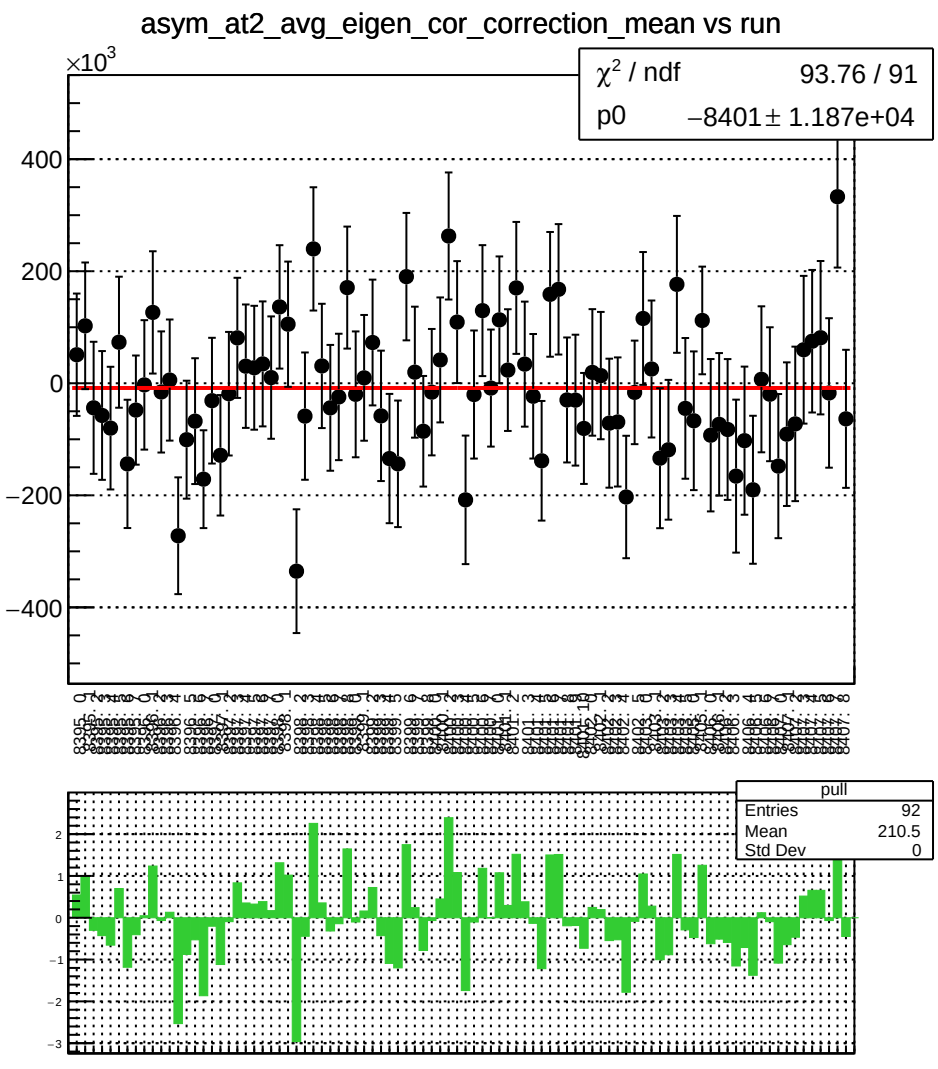

pull1D
Entries 92
Mean 0.003269
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

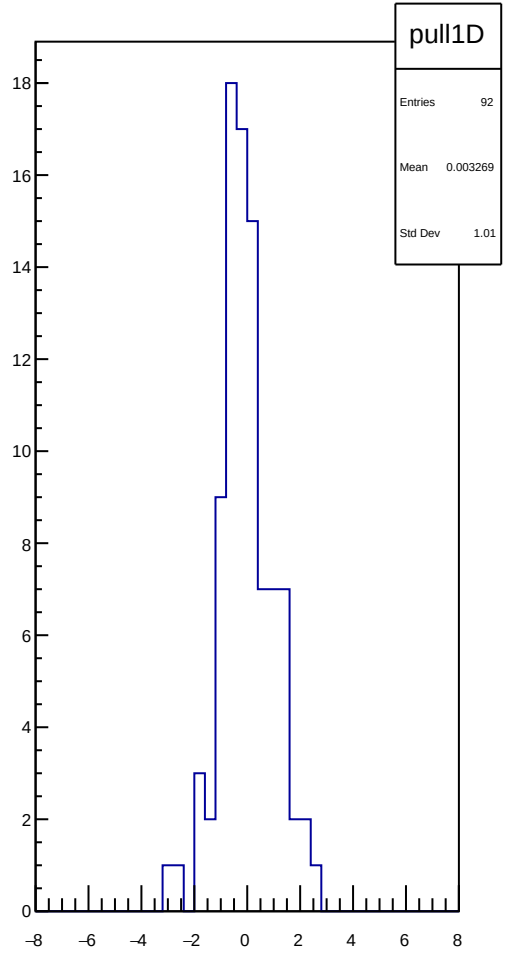

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 8074 / 91
p0 1.099e+04 ± 8.392
13500
13000
12500
12000
11500
11000
10500
10000
9500

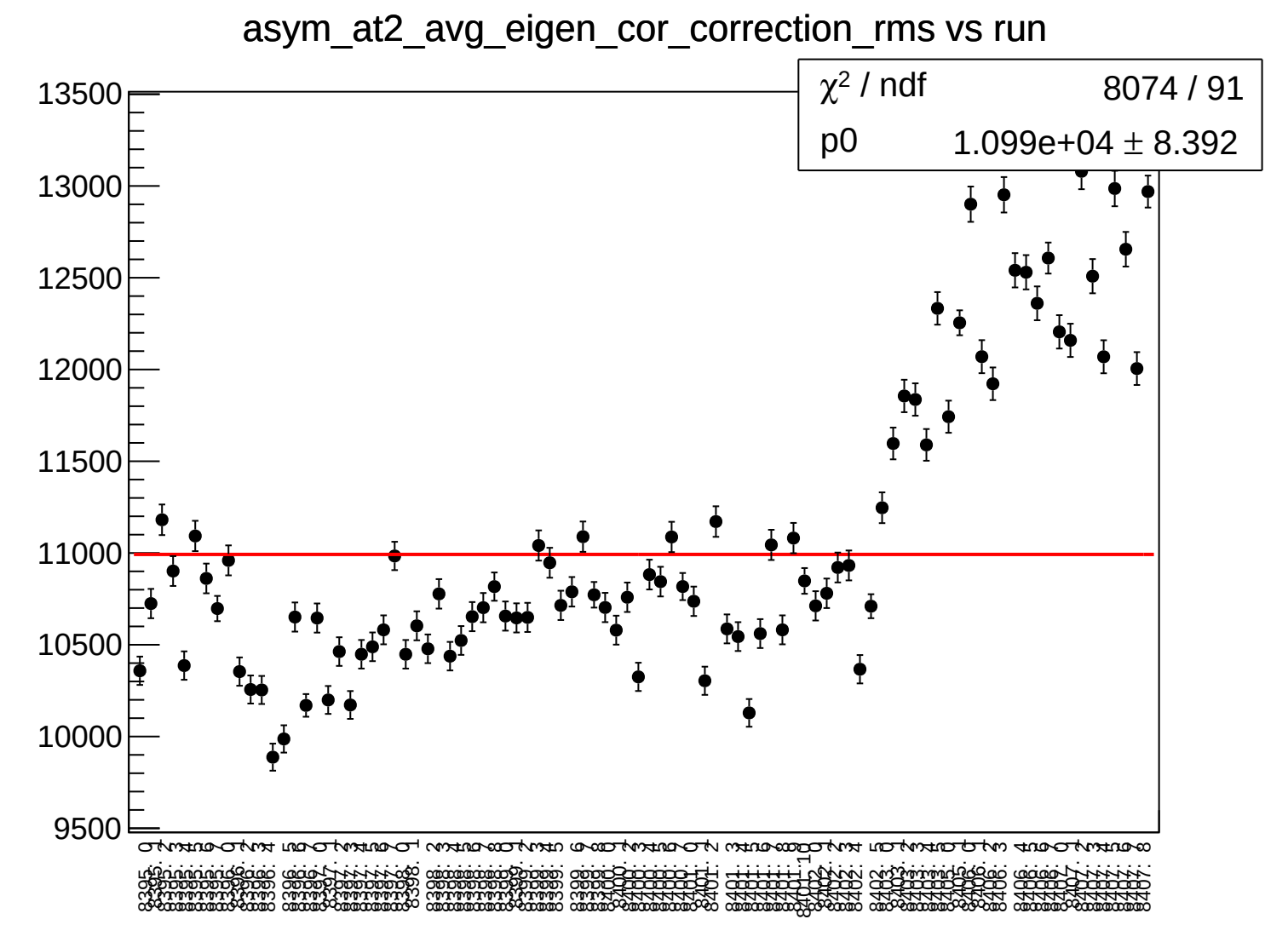

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 117.5 / 91
p0 477.3 ± 1941
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −2.276e+04
Std Dev 0
2
1
0
−1
−2
−3

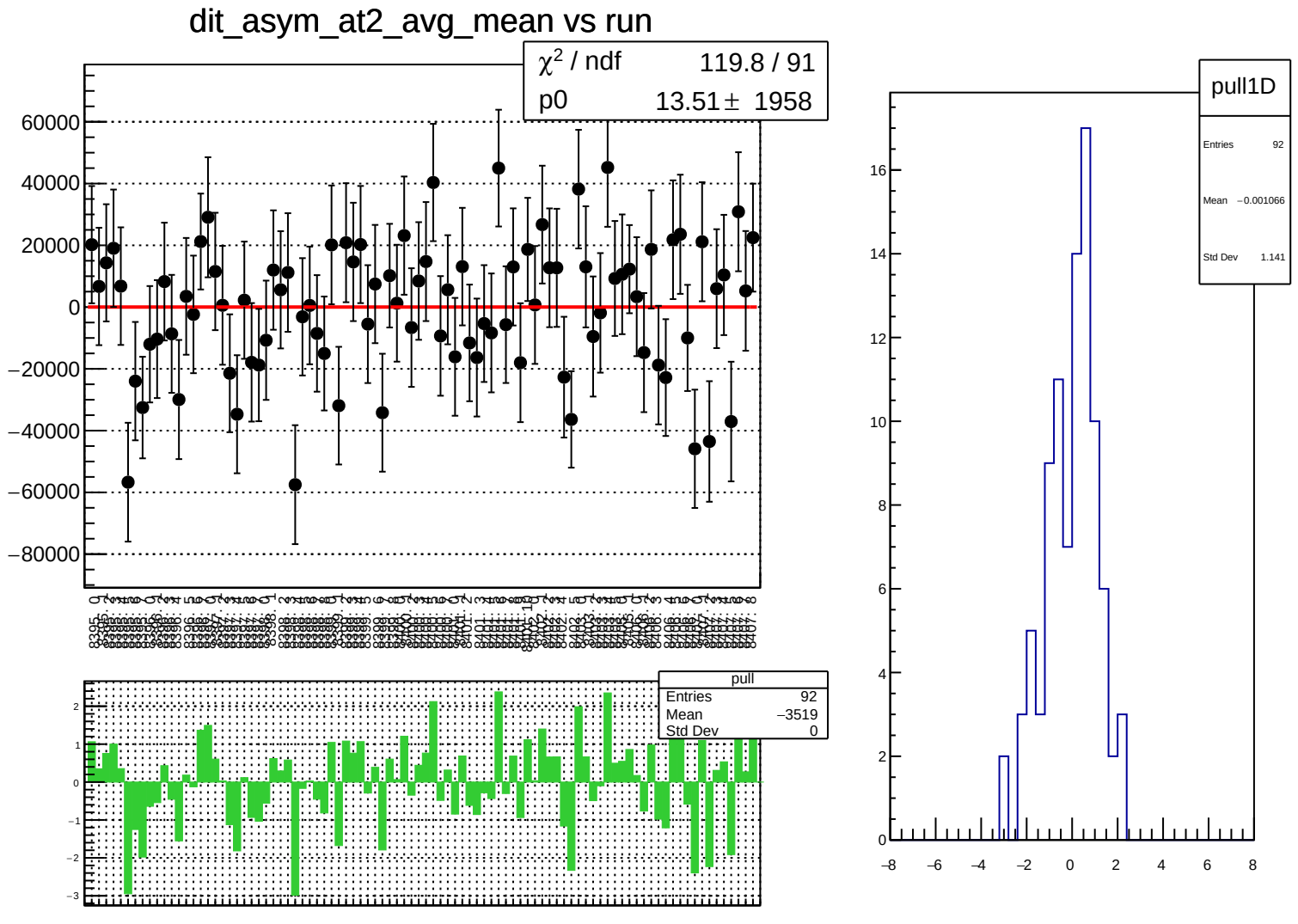

pull1D
Entries 92
Mean −0.0001505
Std Dev 1.13
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

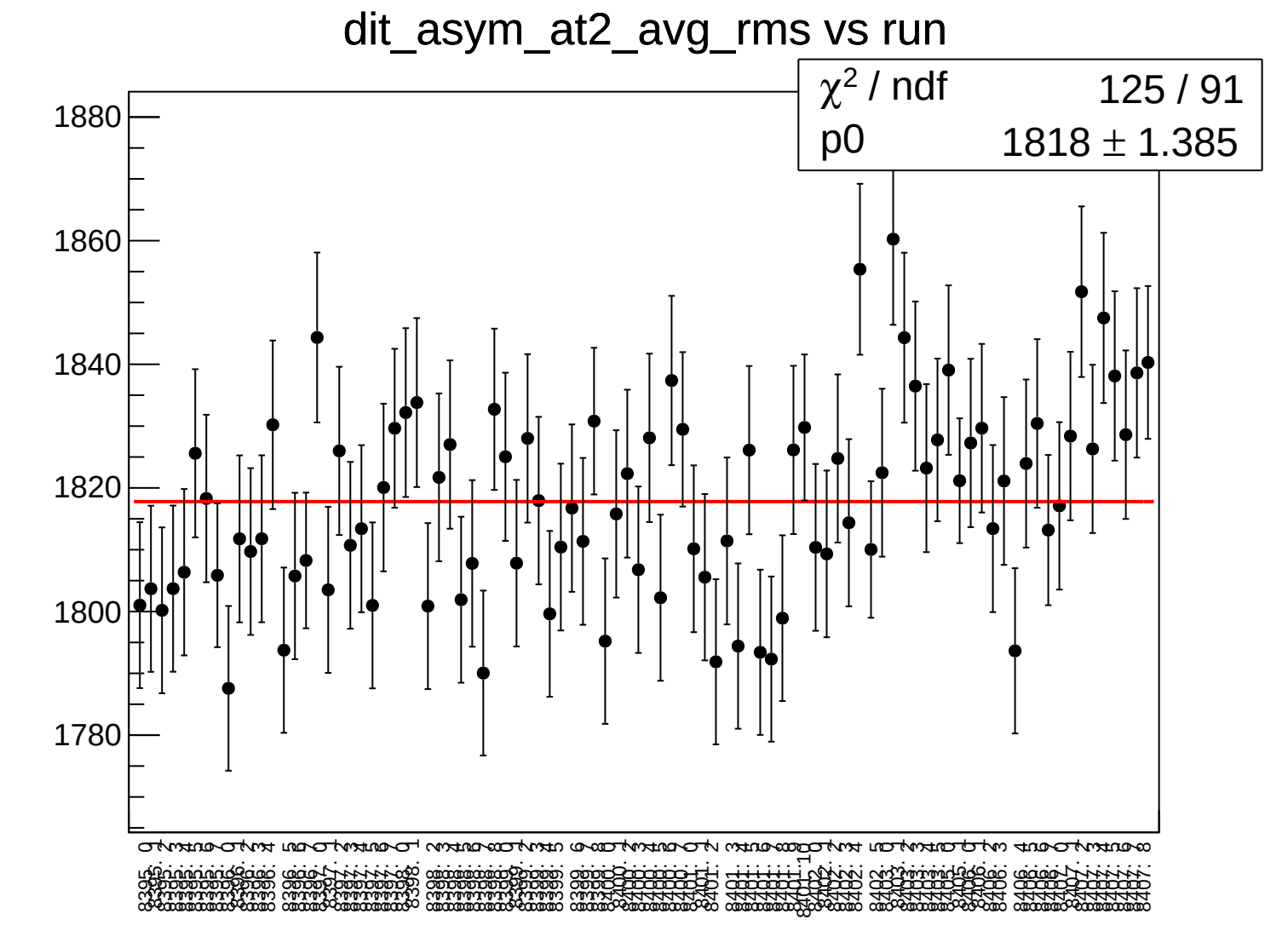

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 174.7 / 91
p0 1801 ± 1.372
1860
1840
1820
1800
1780
1760
1740
1720

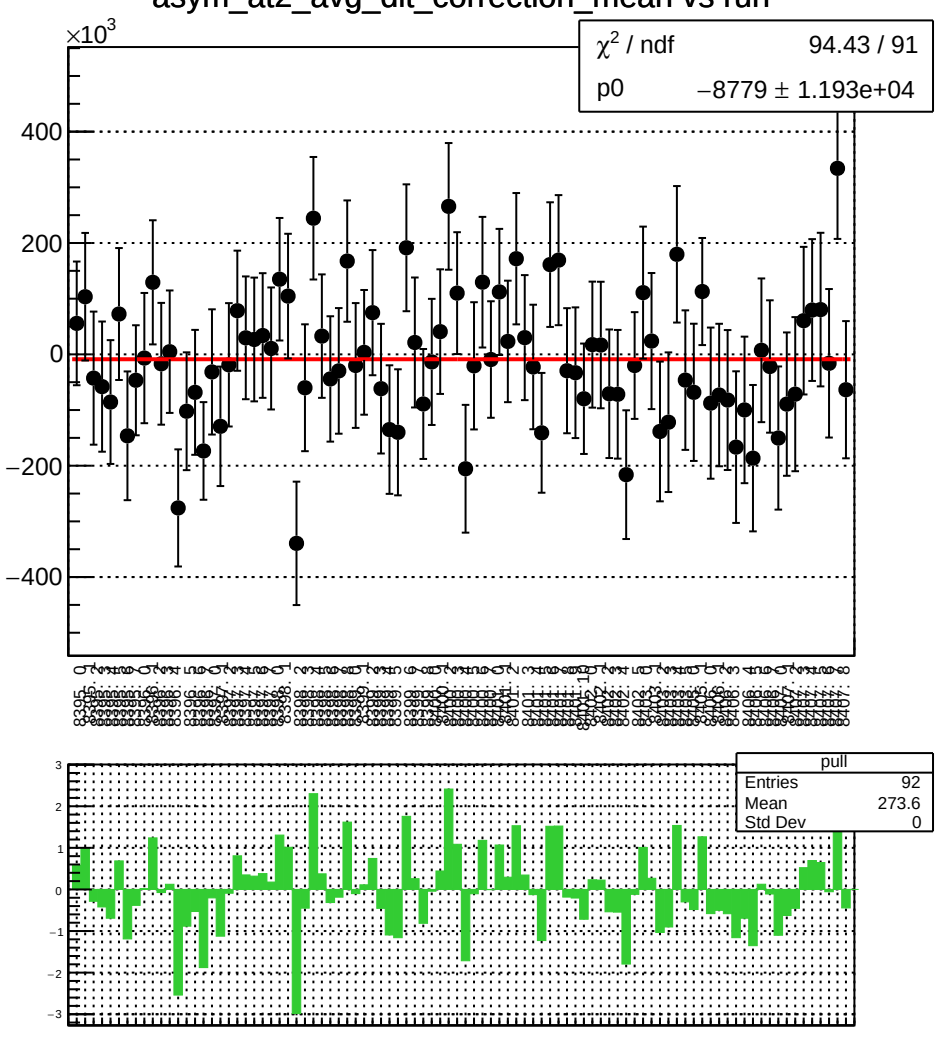

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 93.76 / 91
p0 −8401 ± 1.187e+04
400
200
0
−200
−400
pull
Entries 92
Mean 210.5
Std Dev 0
2
1
0
−1
−2
−3

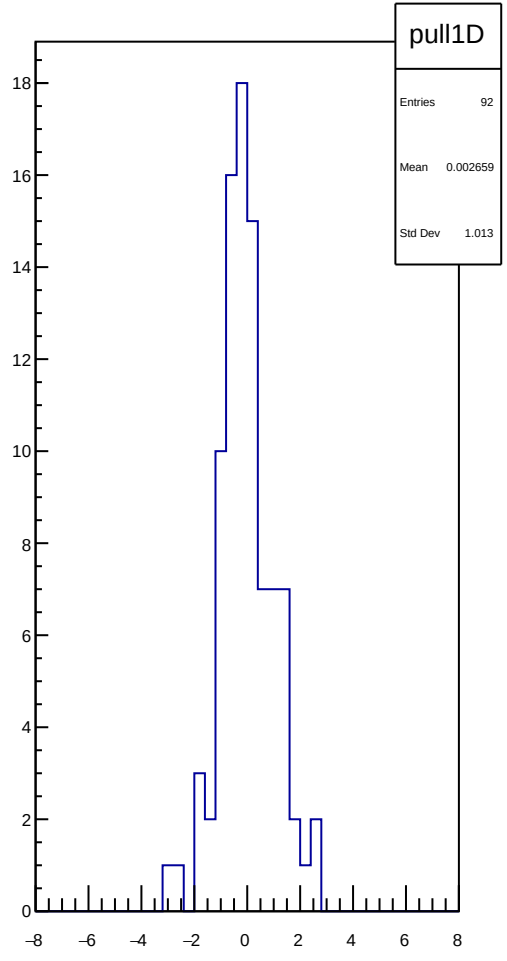

pull1D
Entries 92
Mean 0.003269
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8074 / 91
p0 1.099e+04 ± 8.392
13500
13000
12500
12000
11500
11000
10500
10000
9500

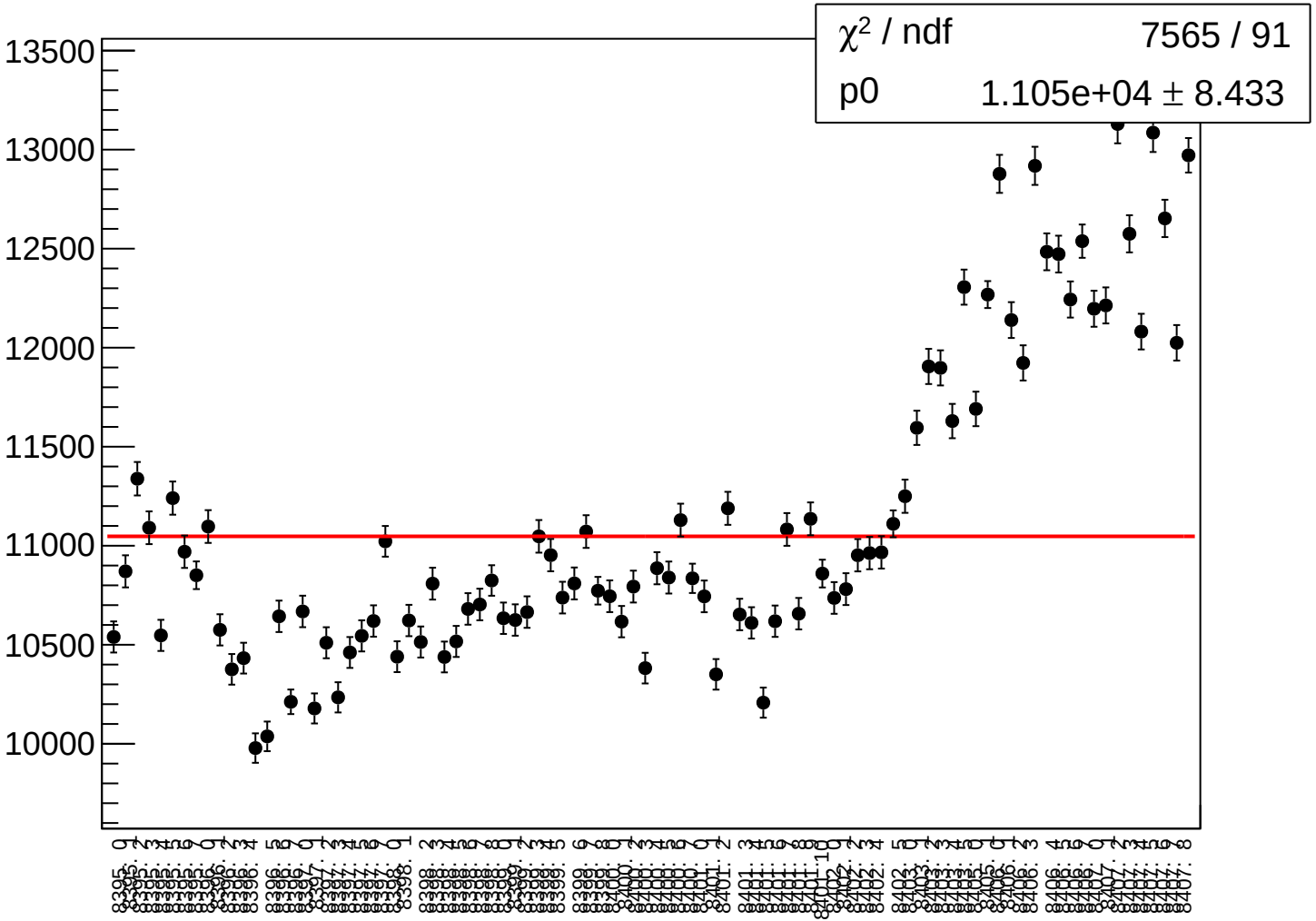

dit_asym_at2_avg_mean vs run
χ² / ndf 119.8 / 91
p0 13.51 ± 1958
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −3519
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.001066
Std Dev 1.141
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

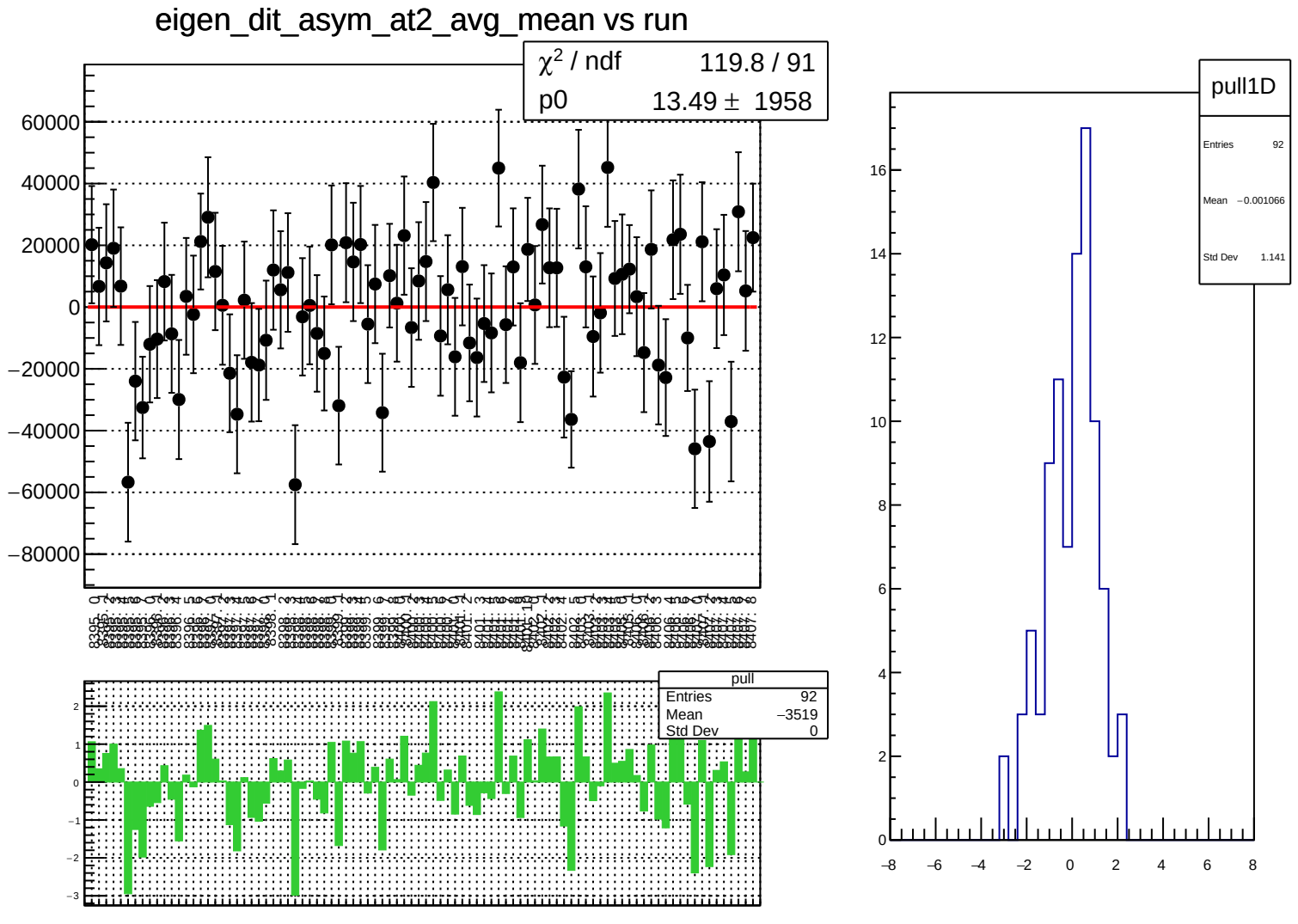

dit_asym_at2_avg_rms vs run
$\chi^2$ / ndf 125 / 91
p0 1818 ± 1.385
1880
1860
1840
1820
1800
1780

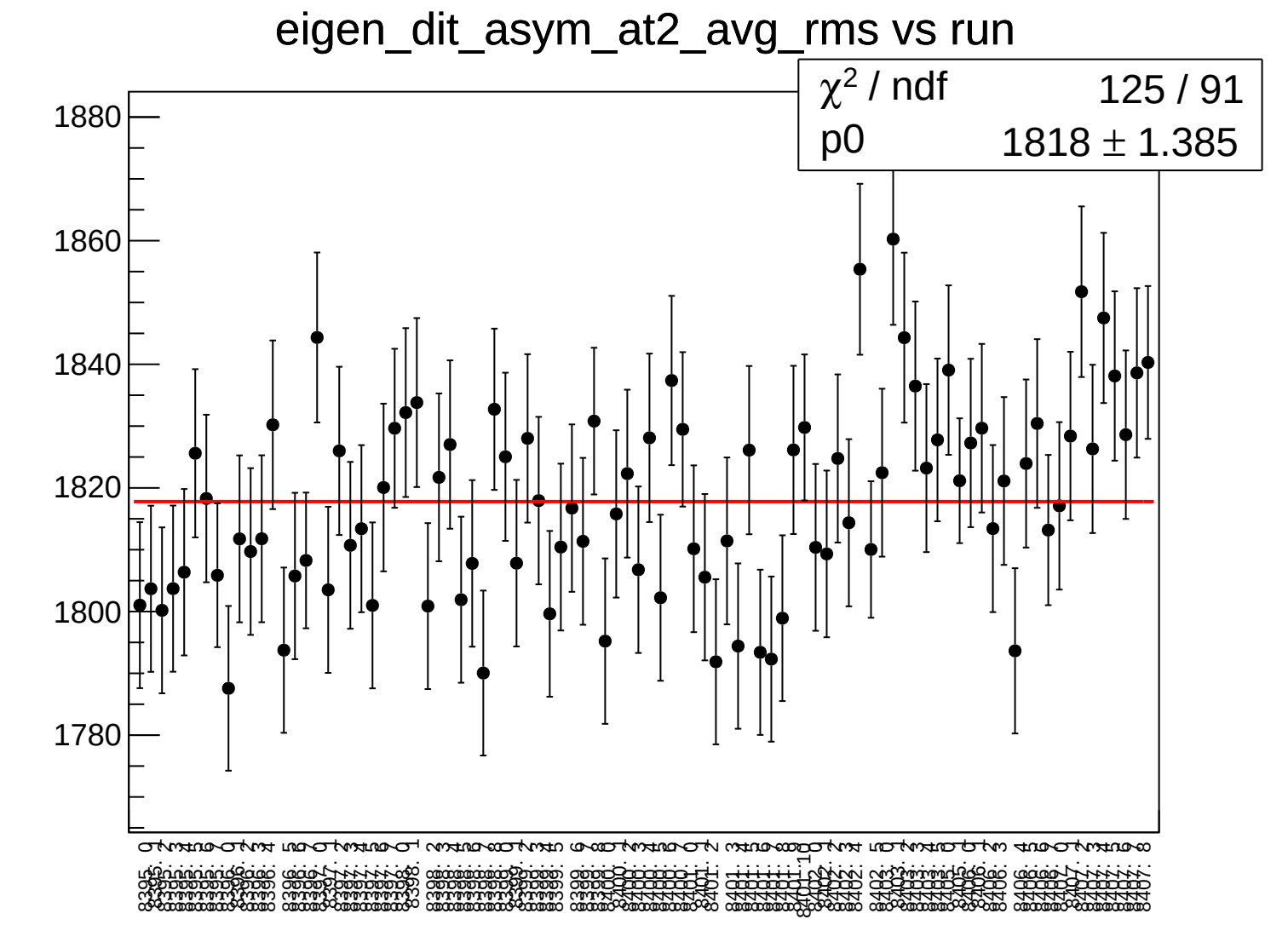

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 94.43 / 91
p0 −8779 ± 1.193e+04
400
200
0
−200
−400
pull
Entries 92
Mean 273.6
Std Dev 0
3
2
1
0
−1
−2
−3

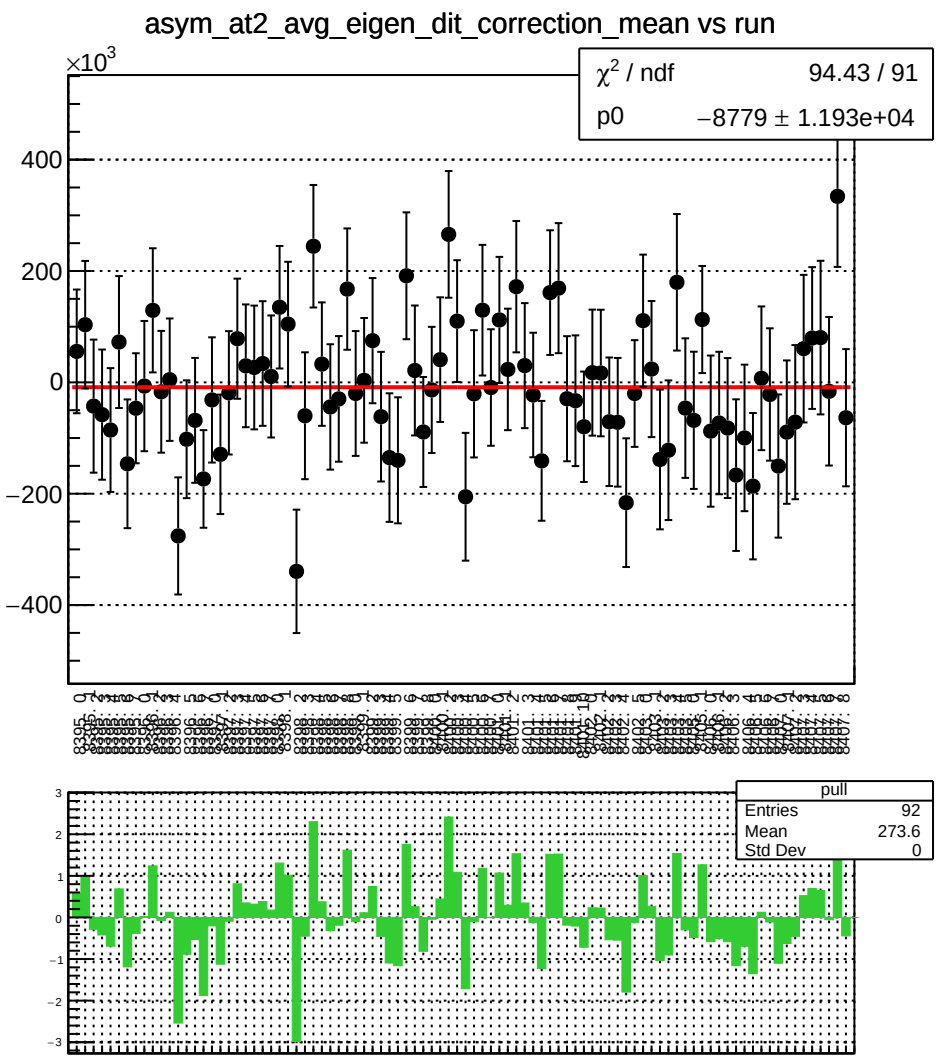

pull1D
Entries 92
Mean 0.002659
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

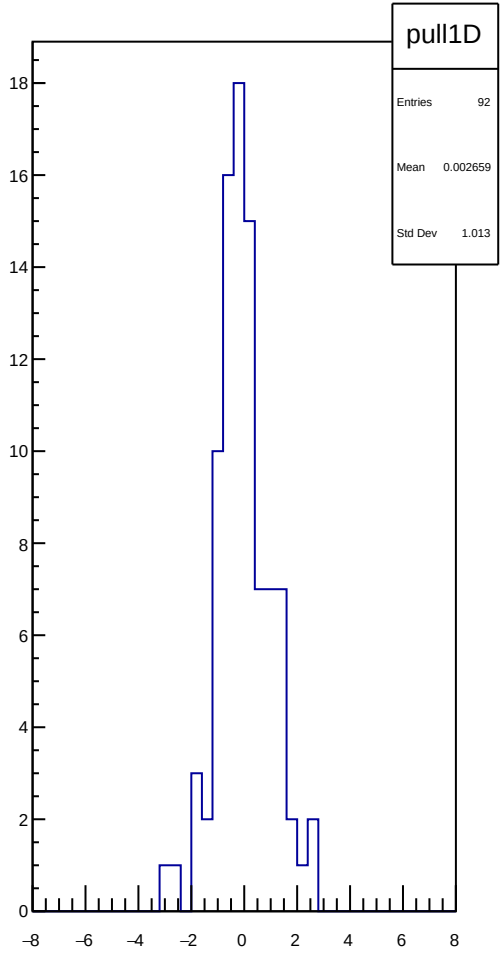
# asym_at2_avg_dit_correction_rms vs run

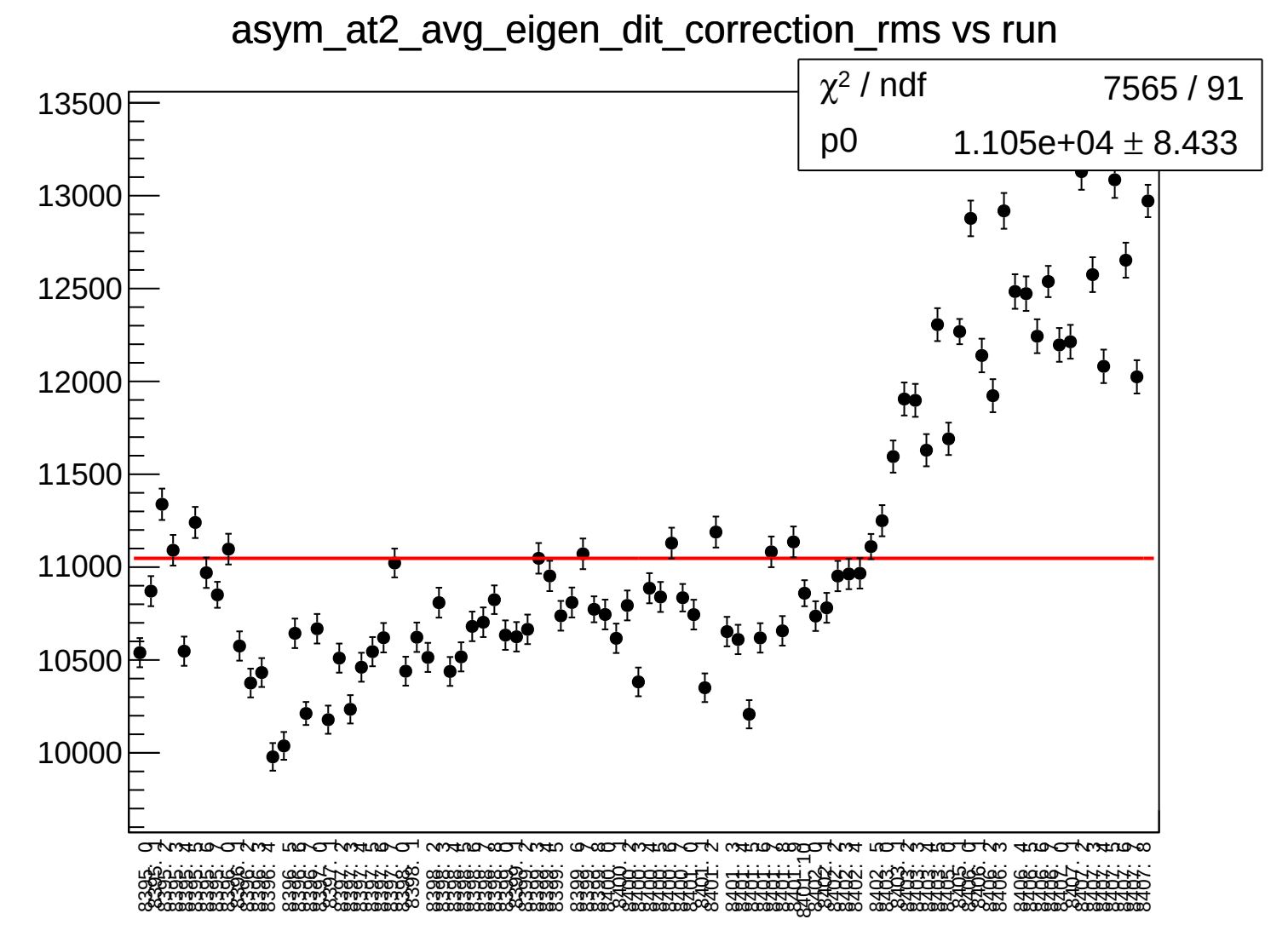


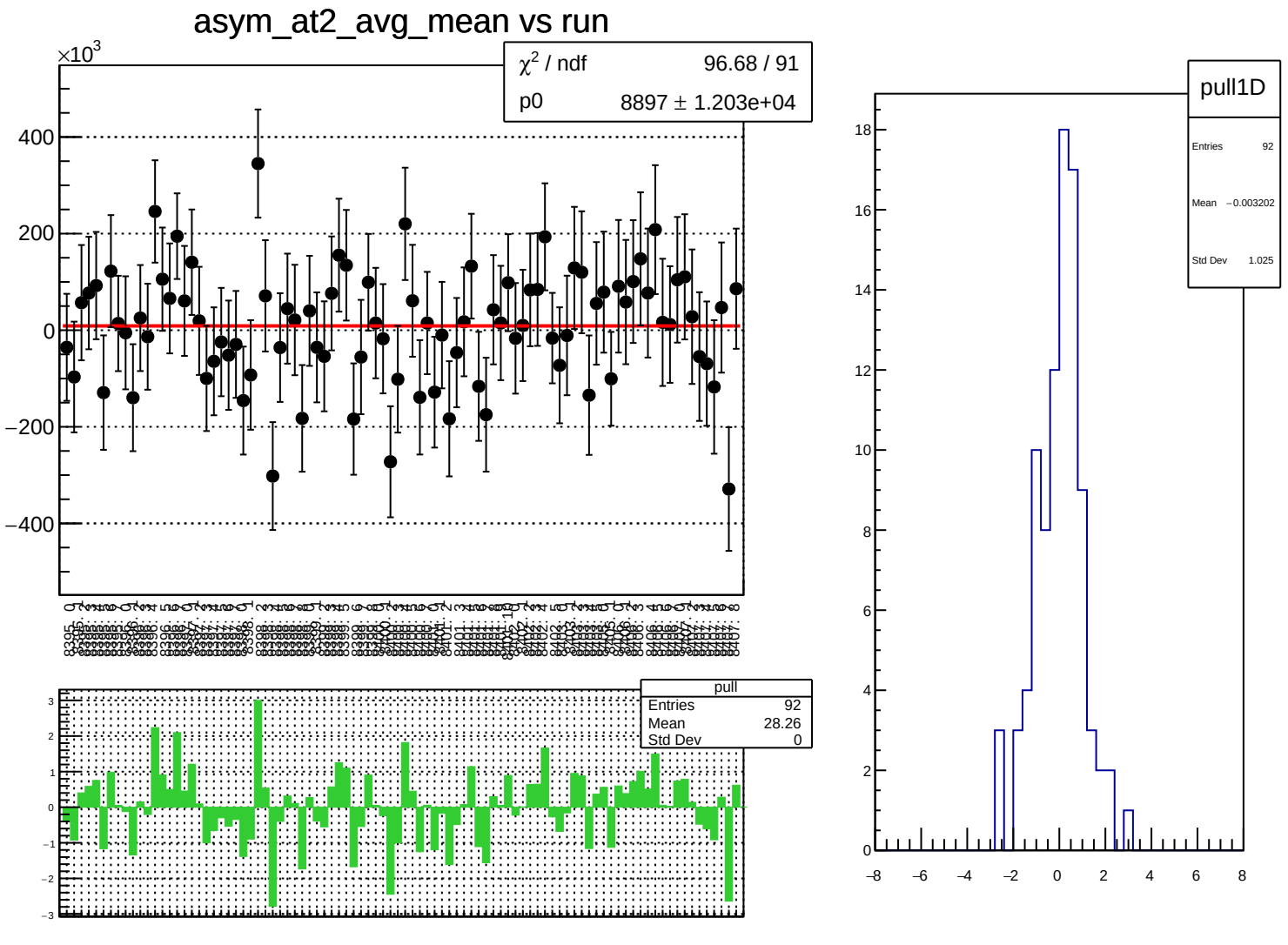

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 119.8 / 91
p0 13.49 ± 1958
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −3519
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.001066
Std Dev 1.141
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

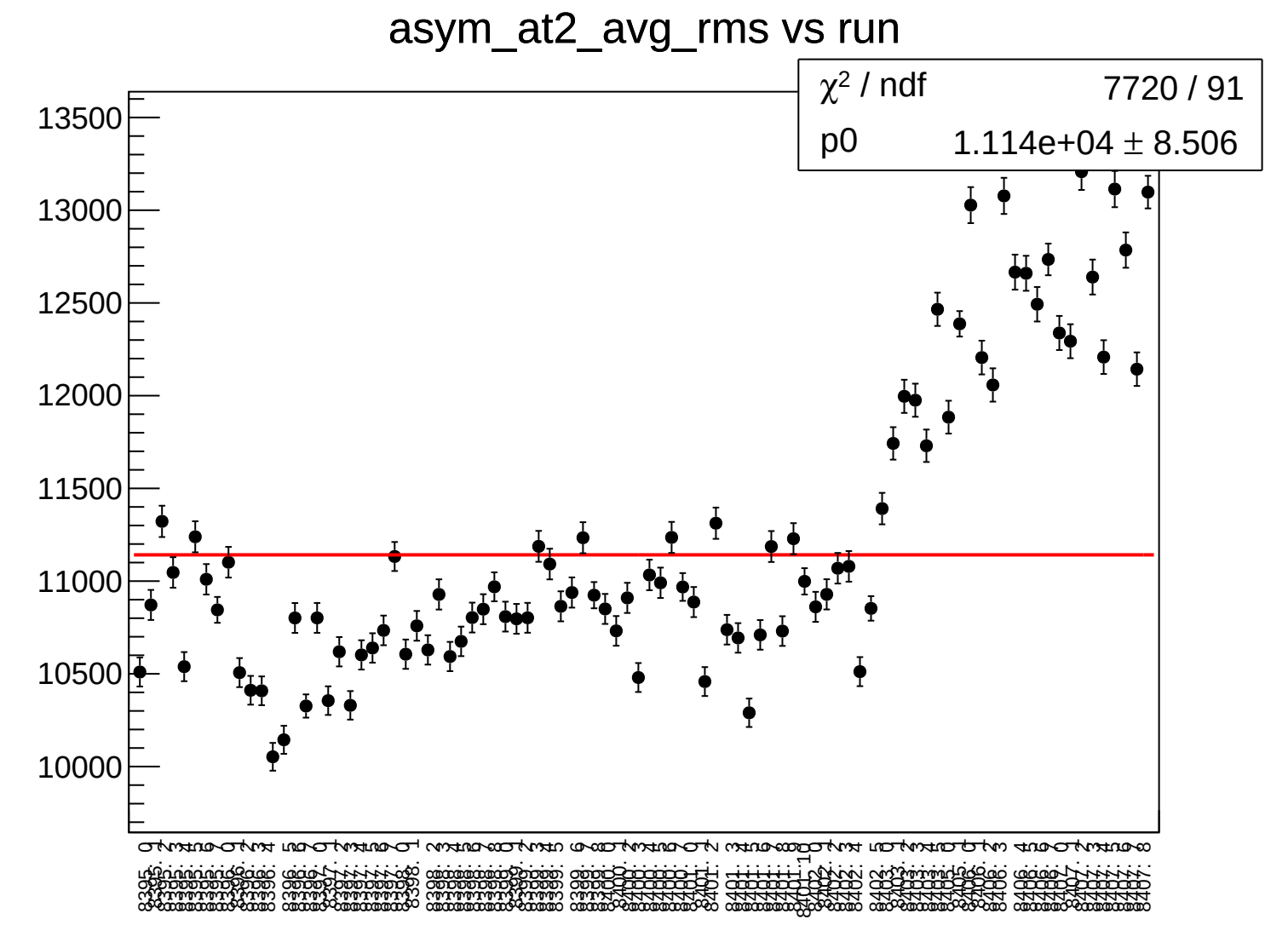

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 125 / 91
p0 1818 ± 1.385
1880
1860
1840
1820
1800
1780

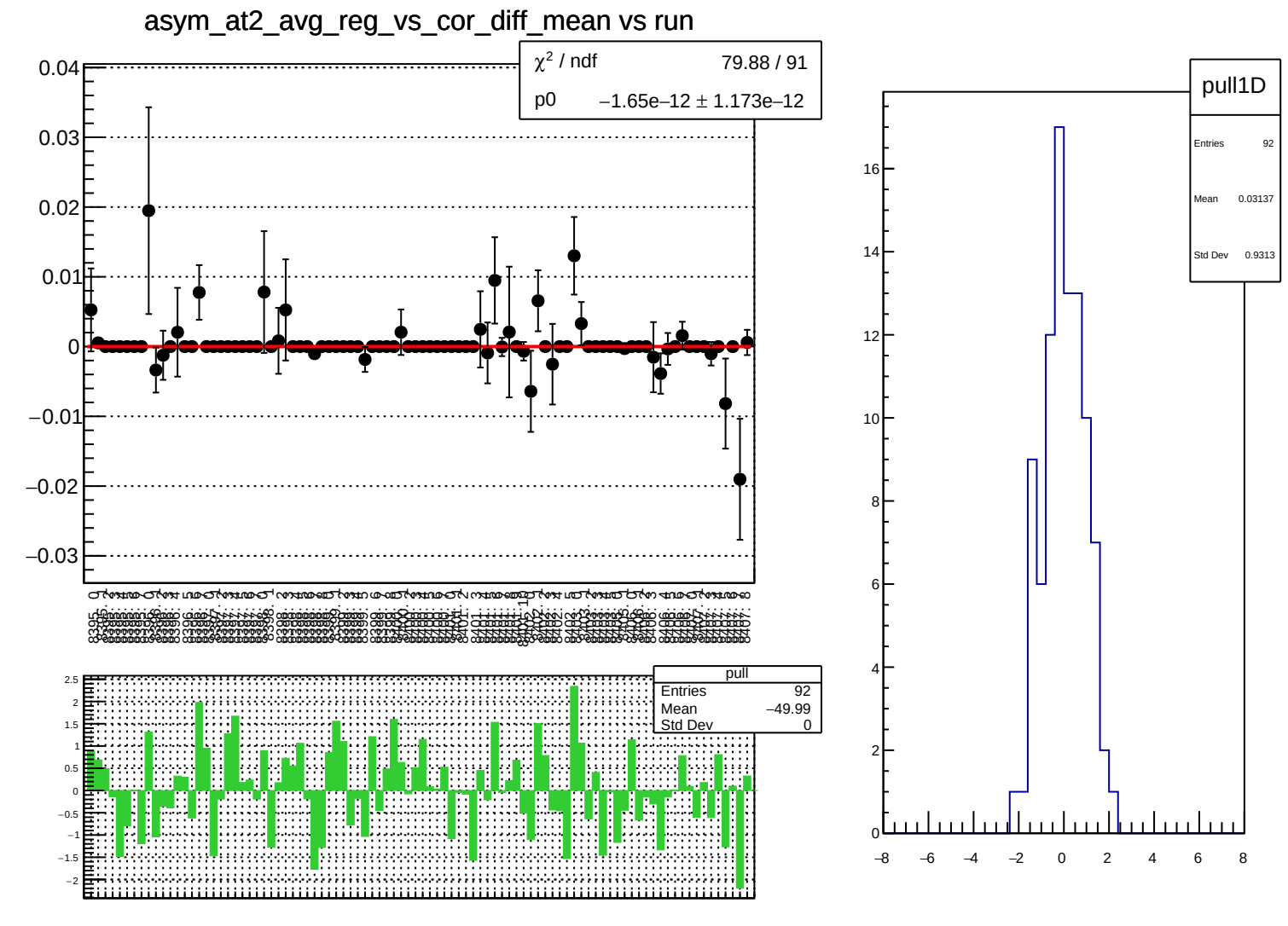

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 94.43 / 91
p0 −8779 ± 1.193e+04
400
200
0
−200
−400
pull
Entries 92
Mean 273.6
Std Dev 0
3
2
1
0
−1
−2
−3

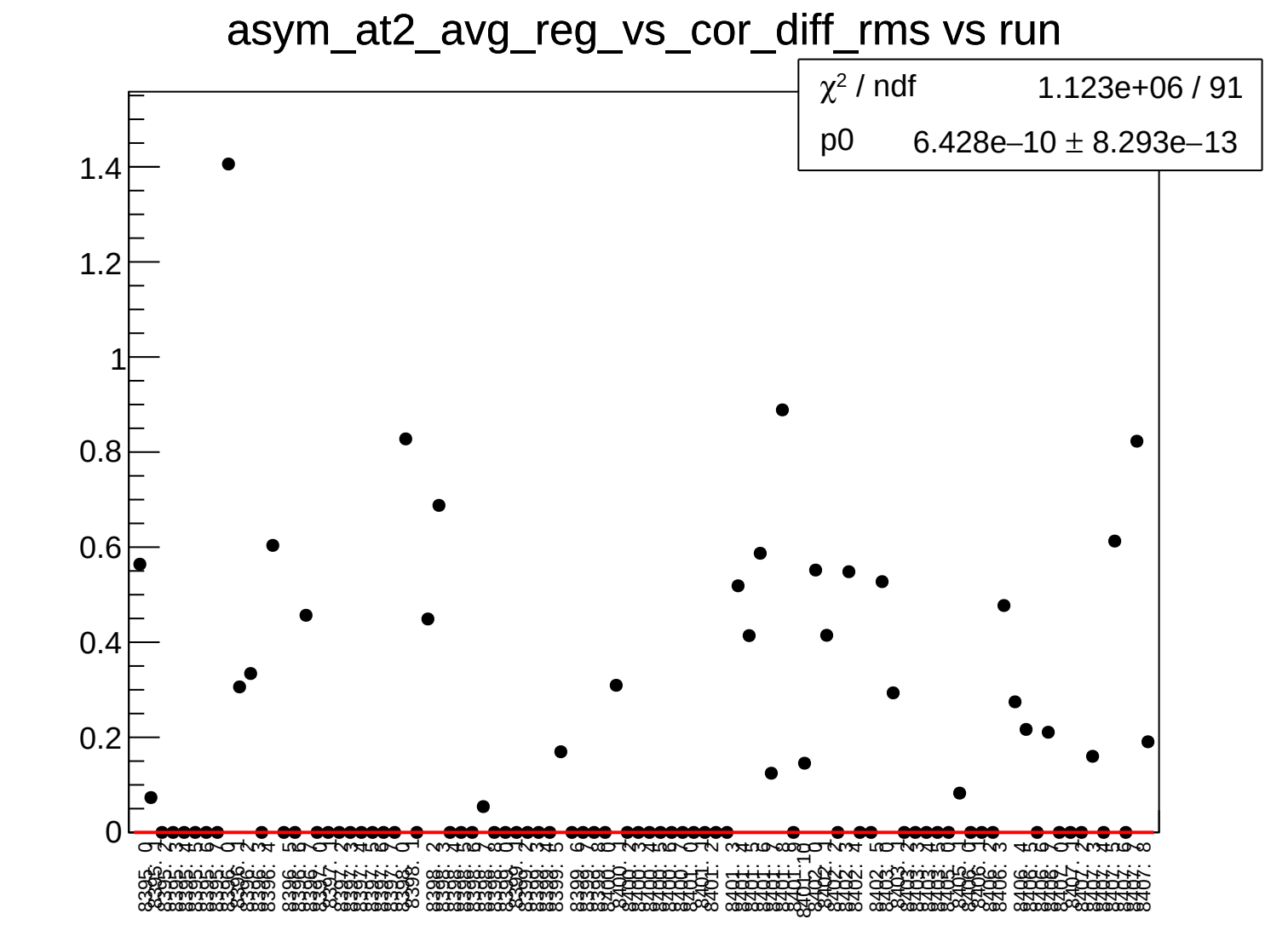

pull1D
Entries 92
Mean 0.002659
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

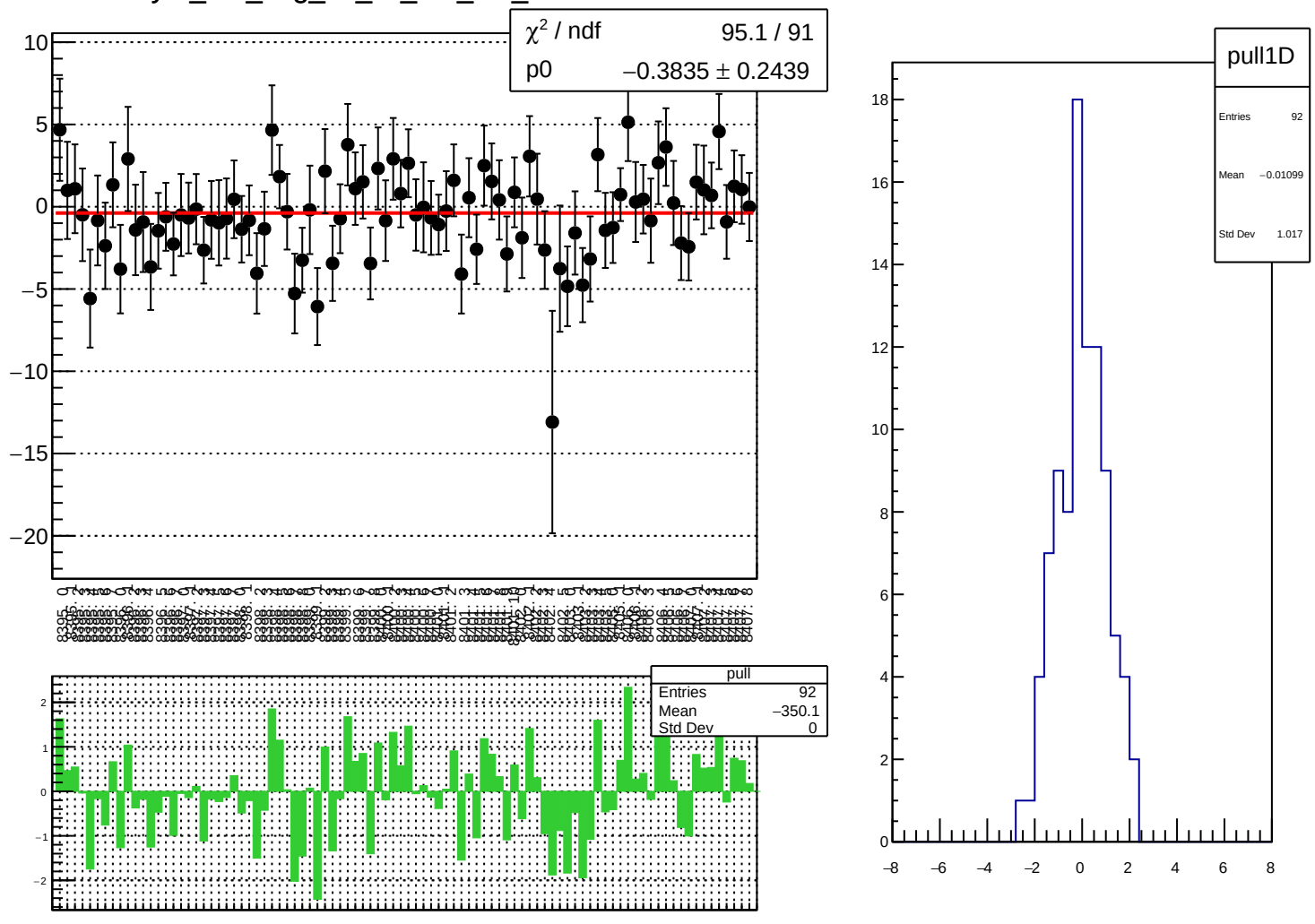

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7565 / 91
p0 1.105e+04 ± 8.433
13500
13000
12500
12000
11500
11000
10500
10000

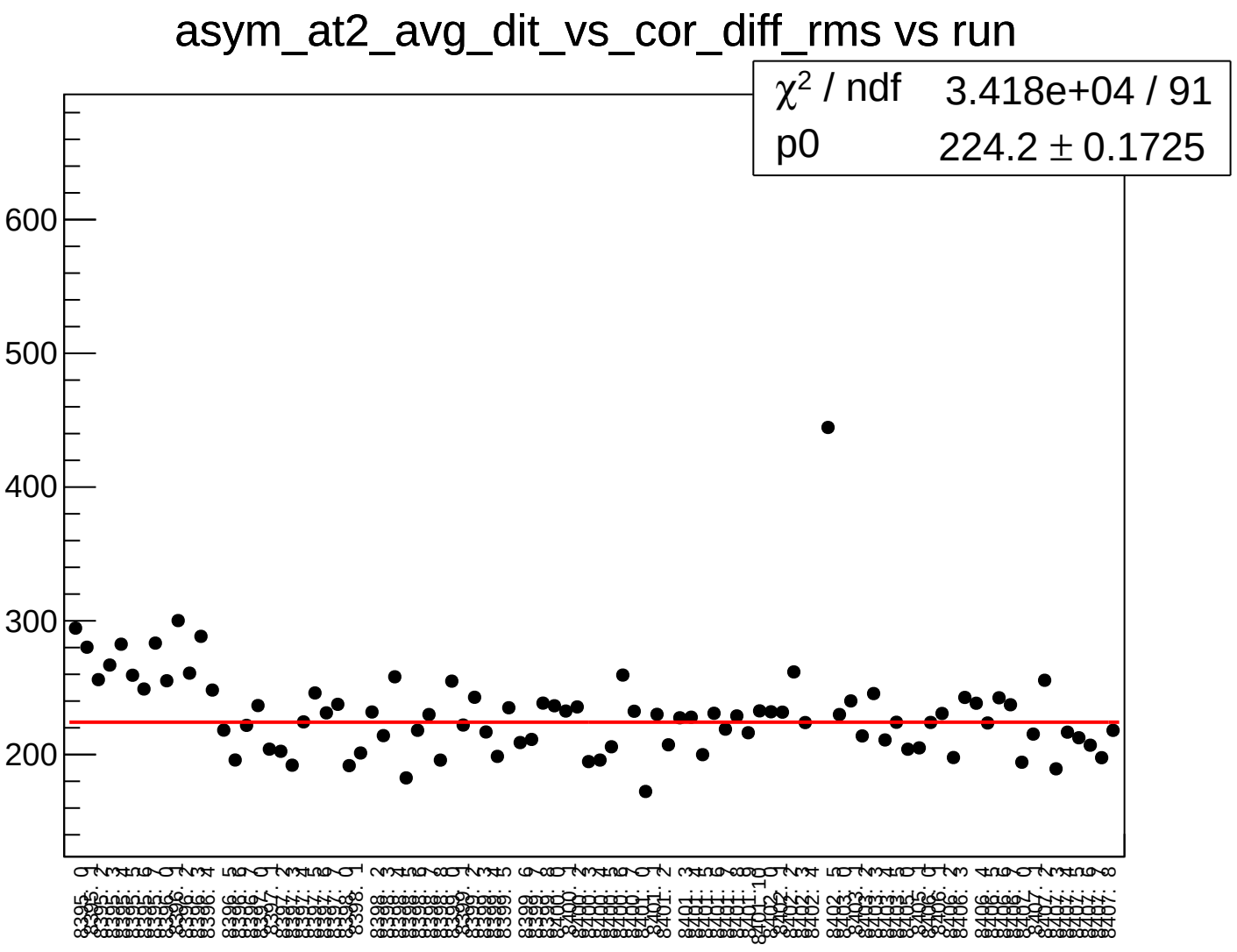

asym_at2_avg_mean vs run
×10^3
χ² / ndf 96.68 / 91
p0 8897 ± 1.203e+04
400
200
0
−200
−400
pull
Entries 92
Mean 28.26
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.003202
Std Dev 1.025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

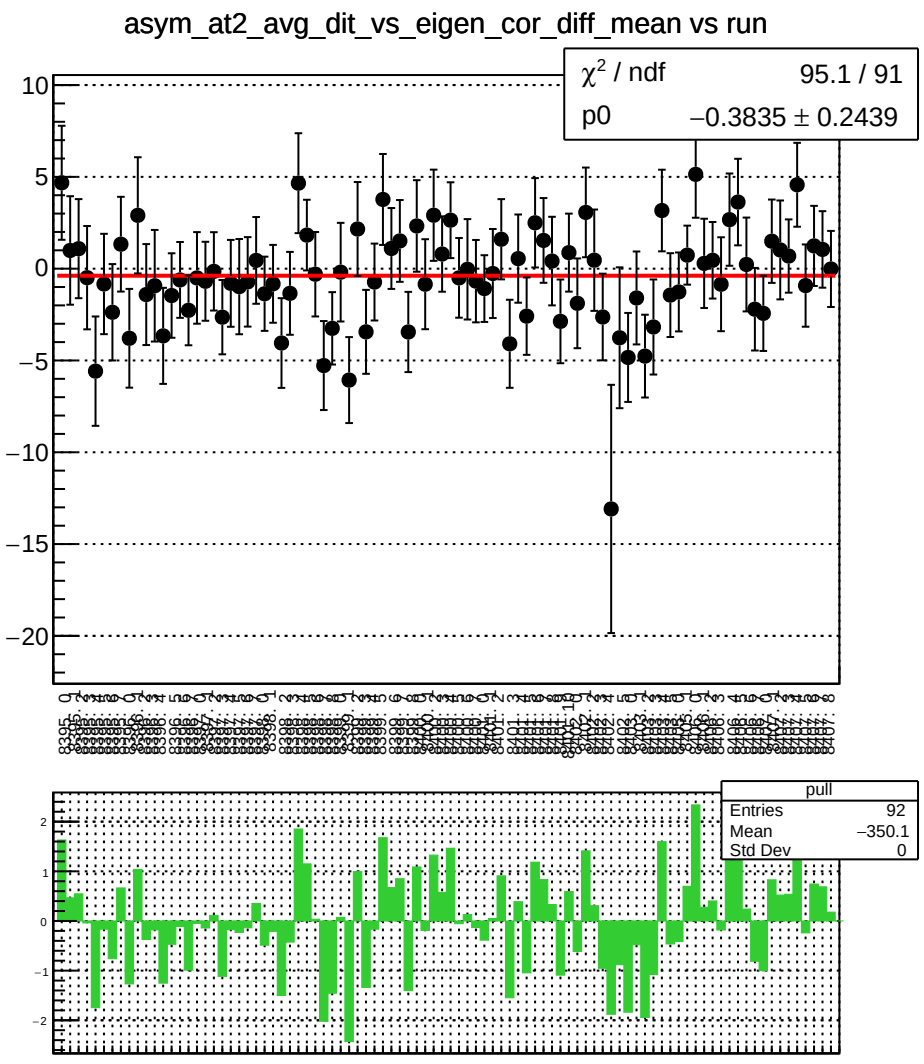

asym_at2_avg_rms vs run
χ² / ndf 7720 / 91
p0 1.114e+04 ± 8.506
13500
13000
12500
12000
11500
11000
10500
10000

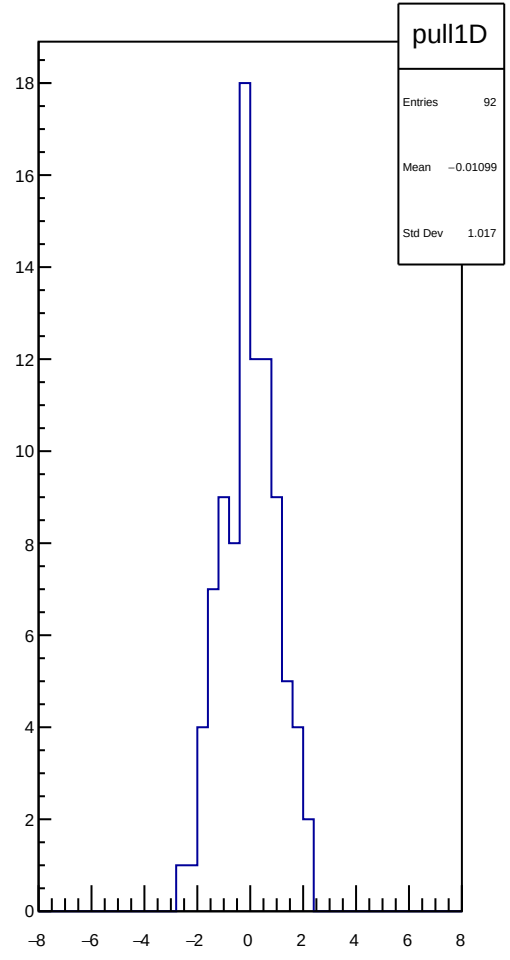

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.88 / 91
p0 −1.65e−12 ± 1.173e−12
pull
Entries 92
Mean −49.99
Std Dev 0
pull1D
Entries 92
Mean 0.03137
Std Dev 0.9313

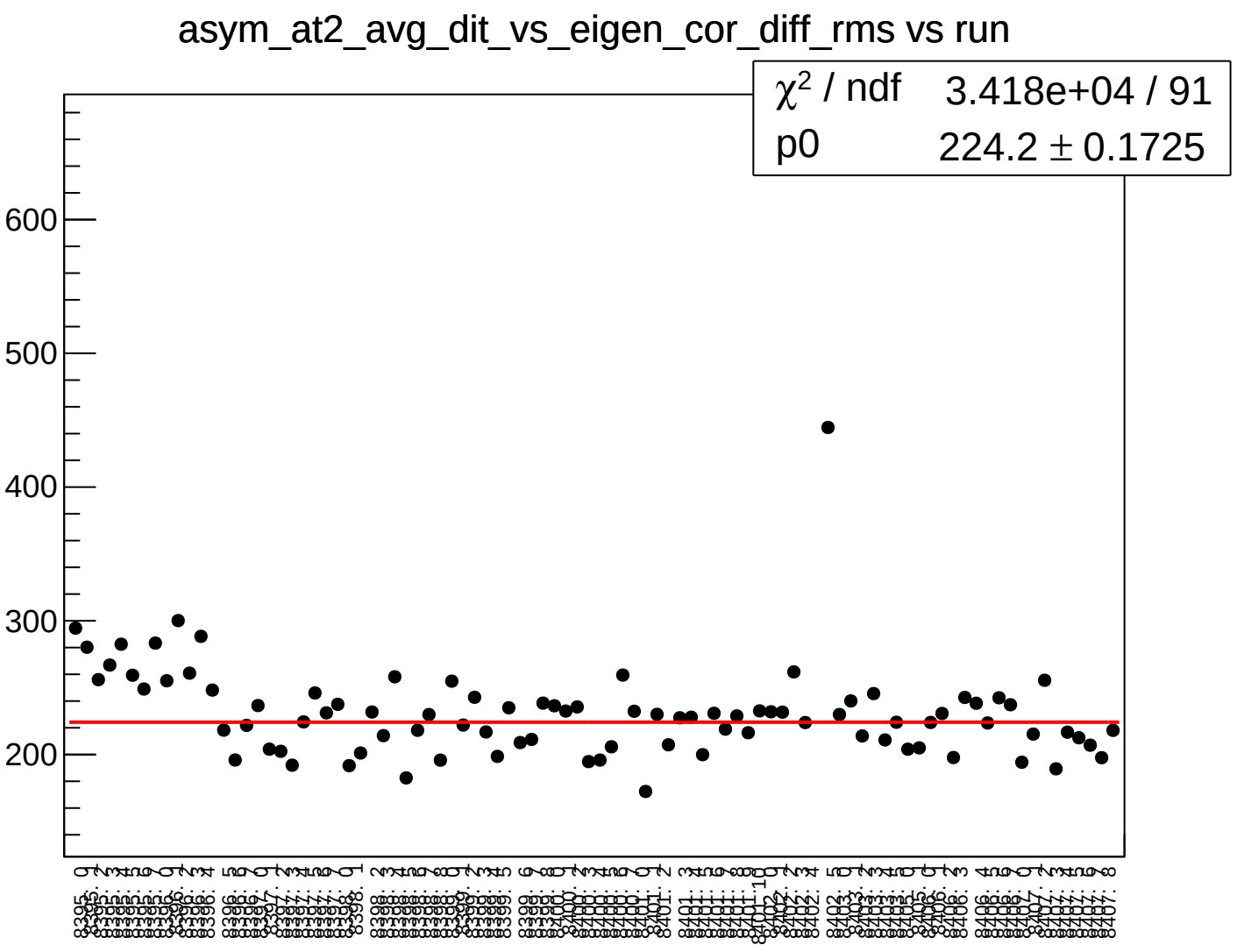

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.123e+06 / 91
p0 6.428e−10 ± 8.293e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

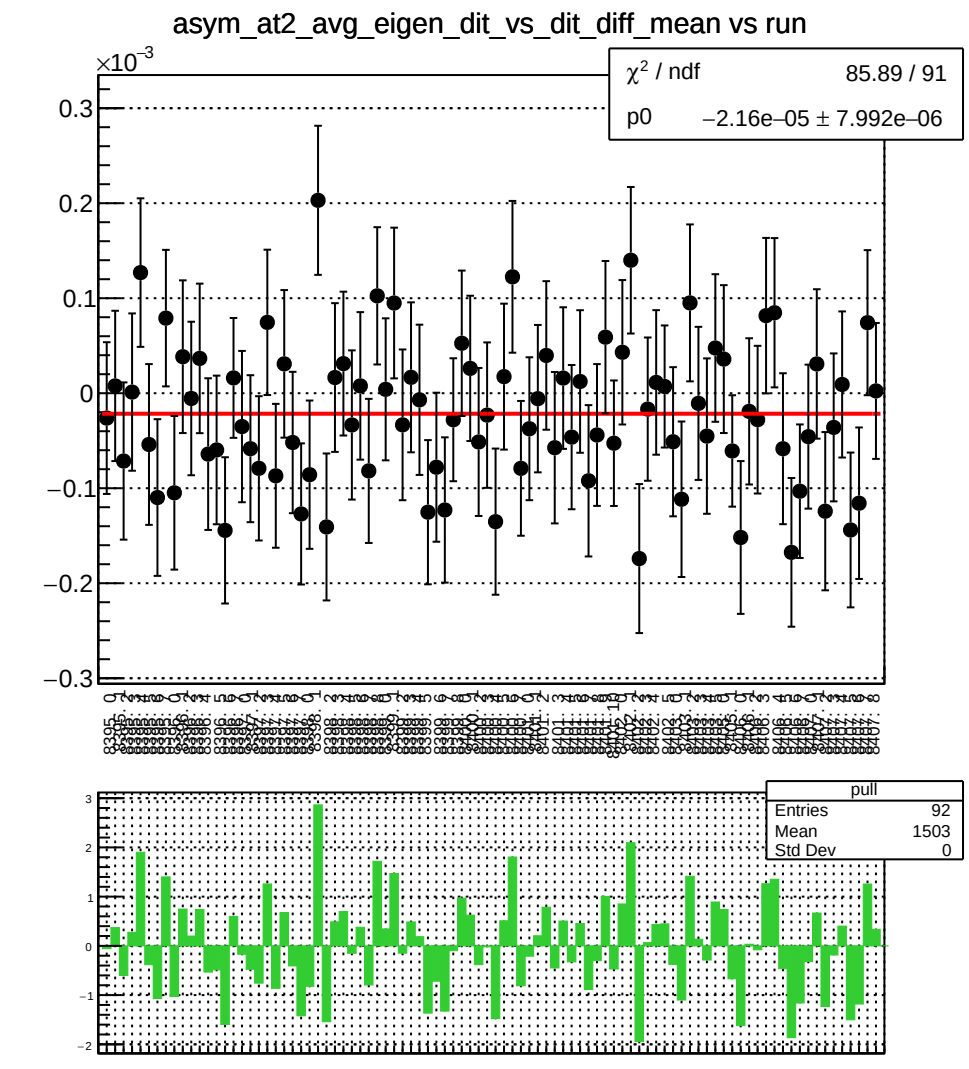

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 95.1 / 91
p0 −0.3835 ± 0.2439
pull
Entries 92
Mean −350.1
Std Dev 0
pull1D
Entries 92
Mean −0.01099
Std Dev 1.017

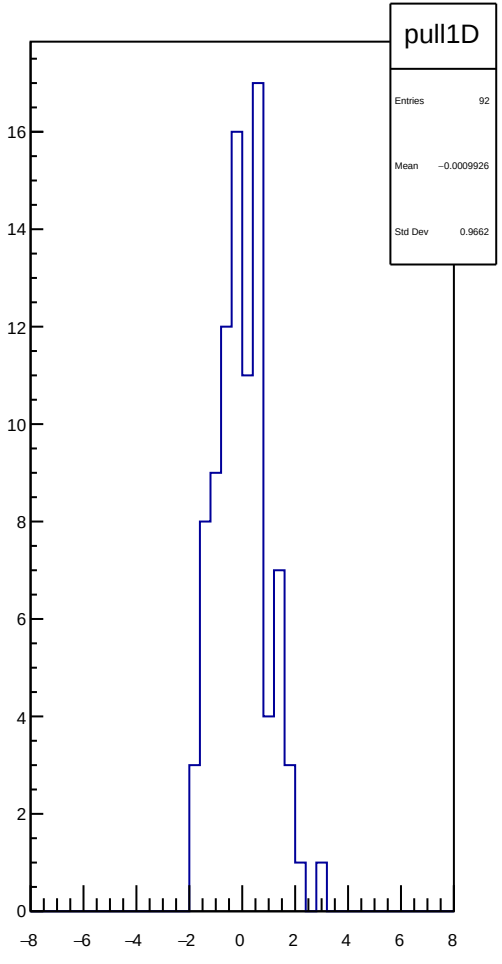

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.418e+04 / 91
p0 224.2 ± 0.1725
600
500
400
300
200

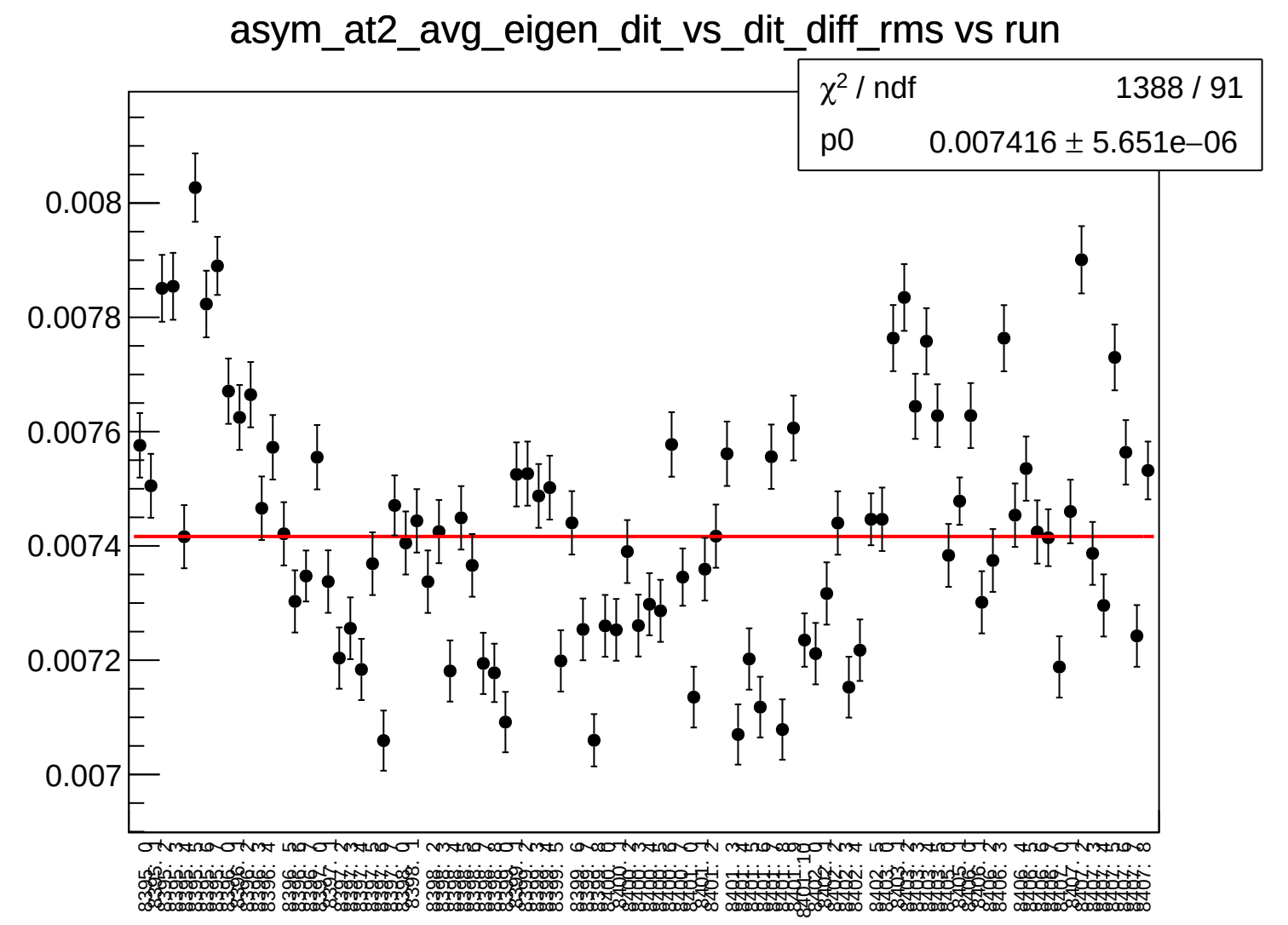

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.1 / 91
p0 −0.3835 ± 0.2439
pull
Entries 92
Mean −350.1
Std Dev 0

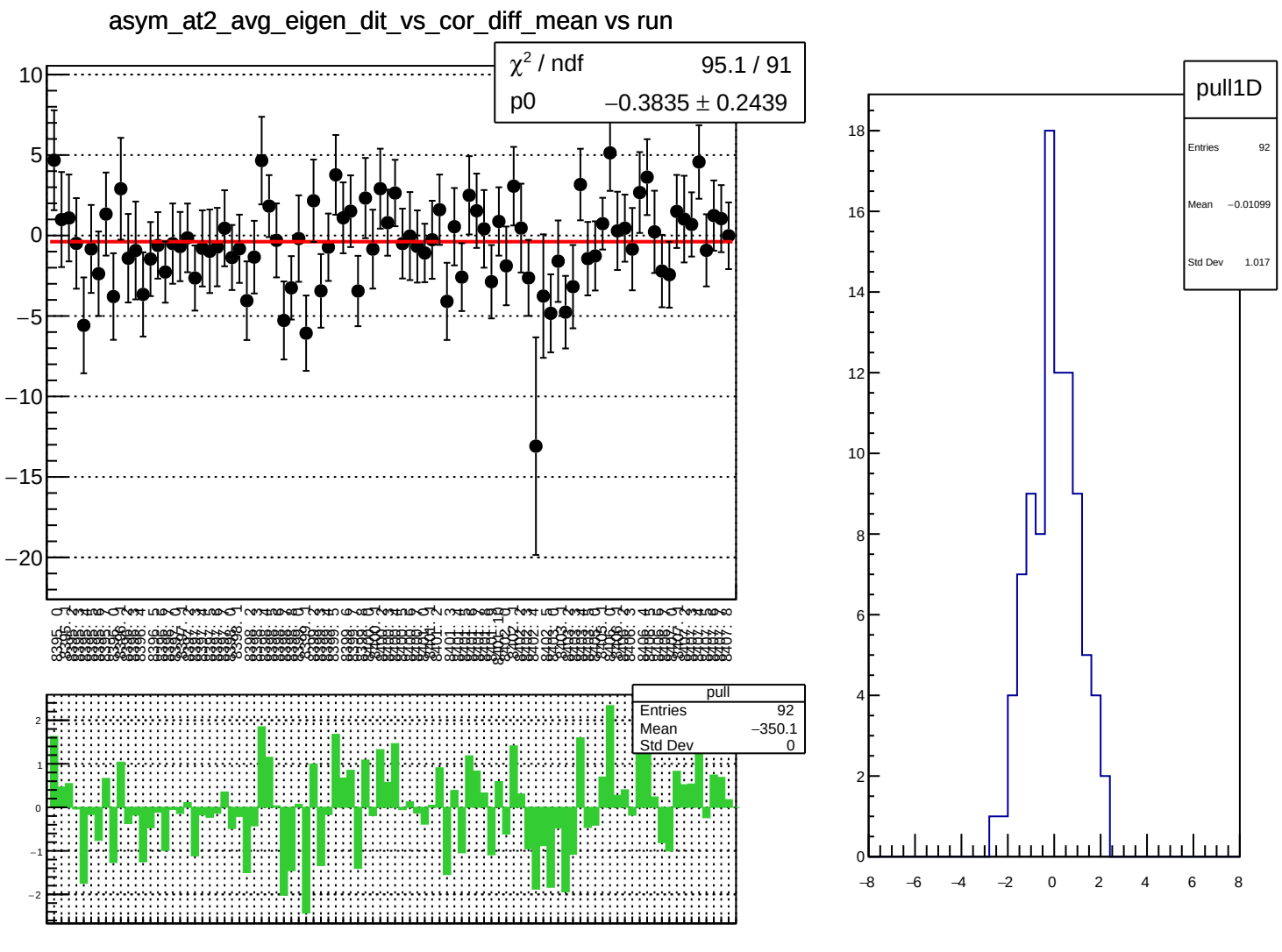

pull1D
Entries 92
Mean −0.01099
Std Dev 1.017

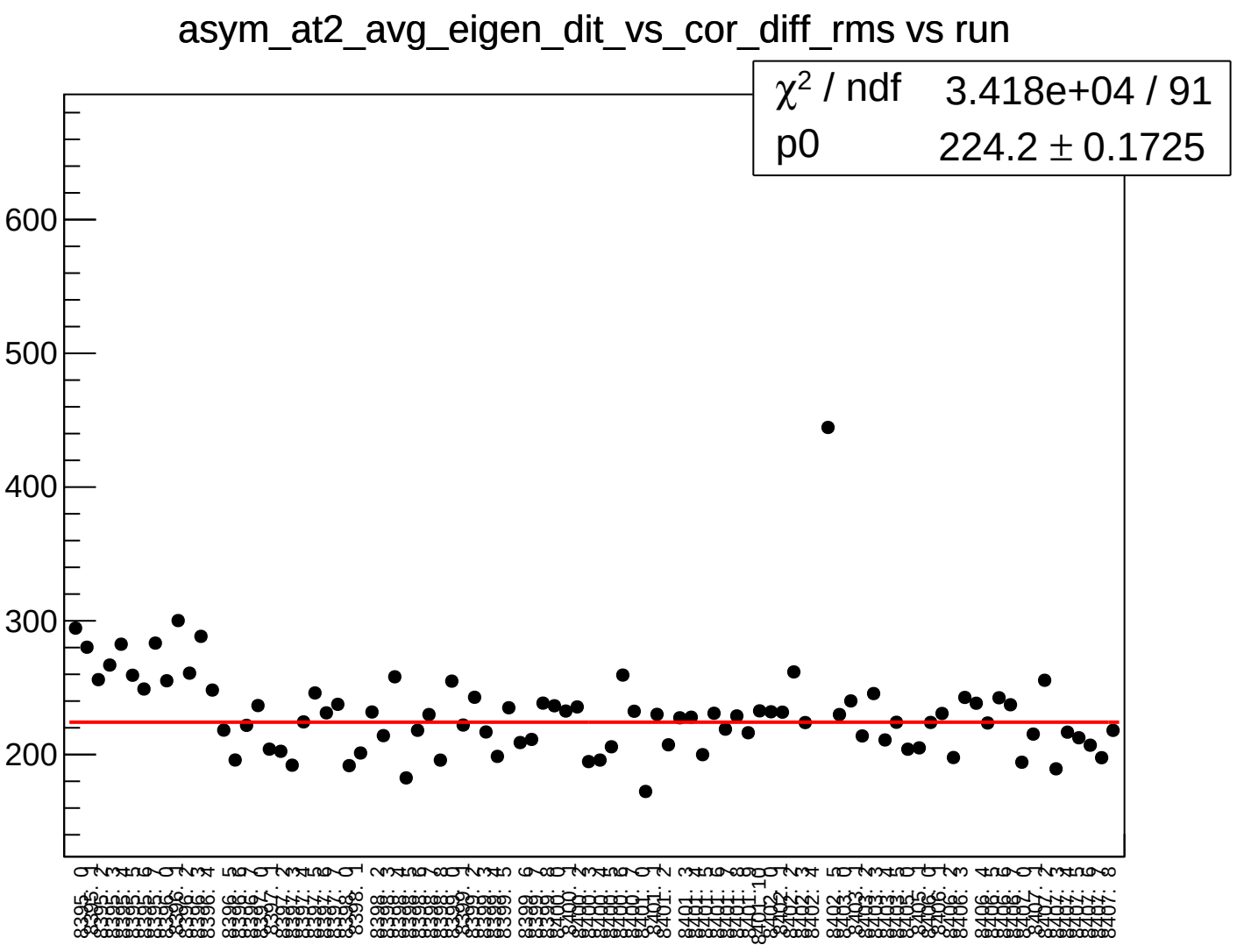

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.418e+04 / 91
p0 224.2 ± 0.1725
600
500
400
300
200

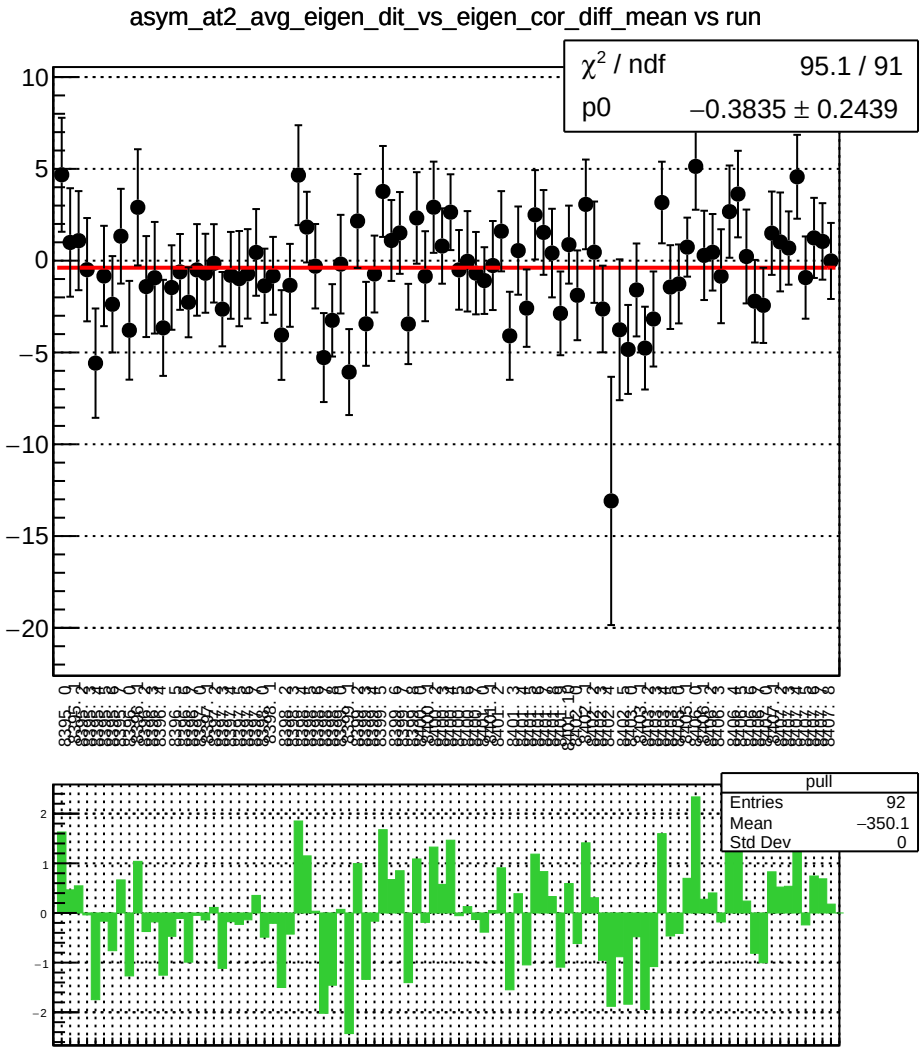

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.89 / 91
p0 −2.16e−05 ± 7.992e−06
pull
Entries 92
Mean 1503
Std Dev 0

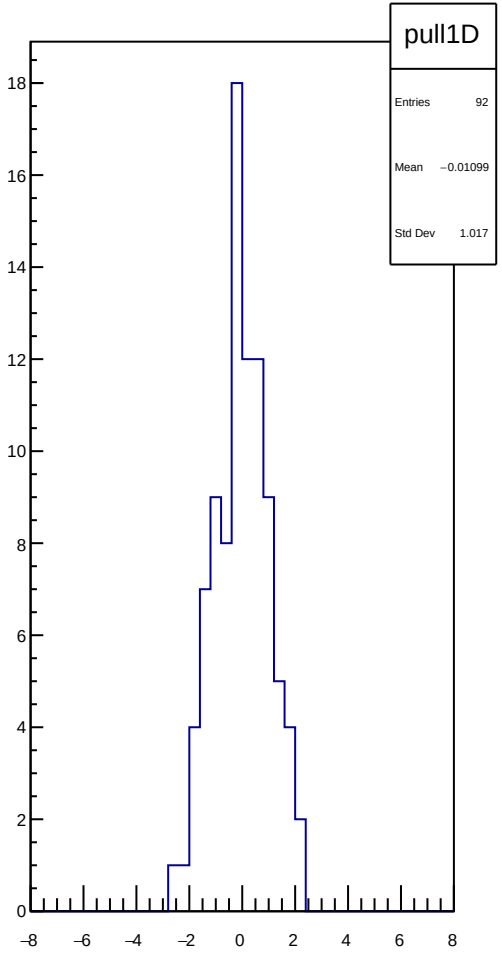

pull1D
Entries 92
Mean −0.0009926
Std Dev 0.9662

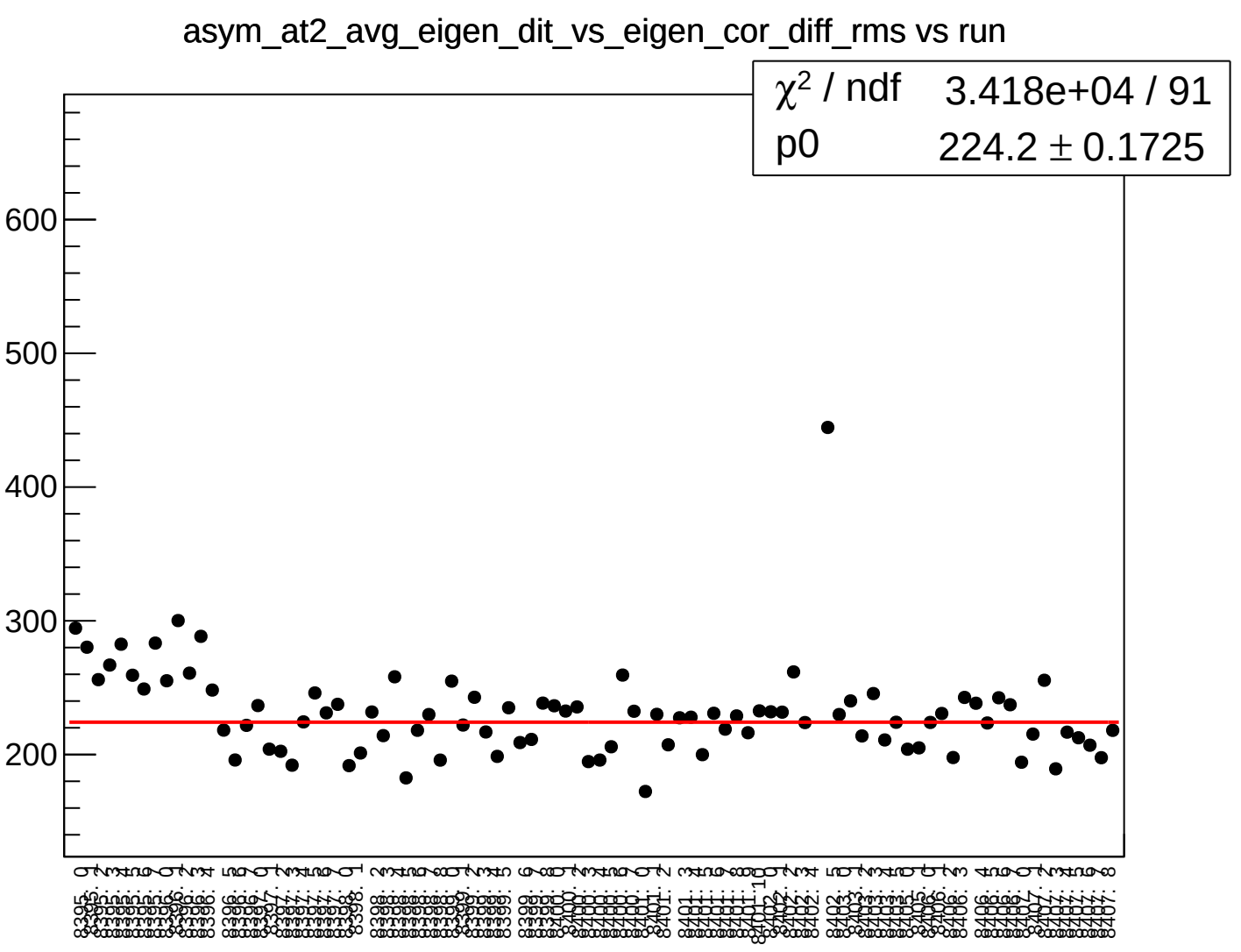

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1388 / 91
p0 0.007416 ± 5.651e−06
0.008
0.0078
0.0076
0.0074
0.0072
0.007

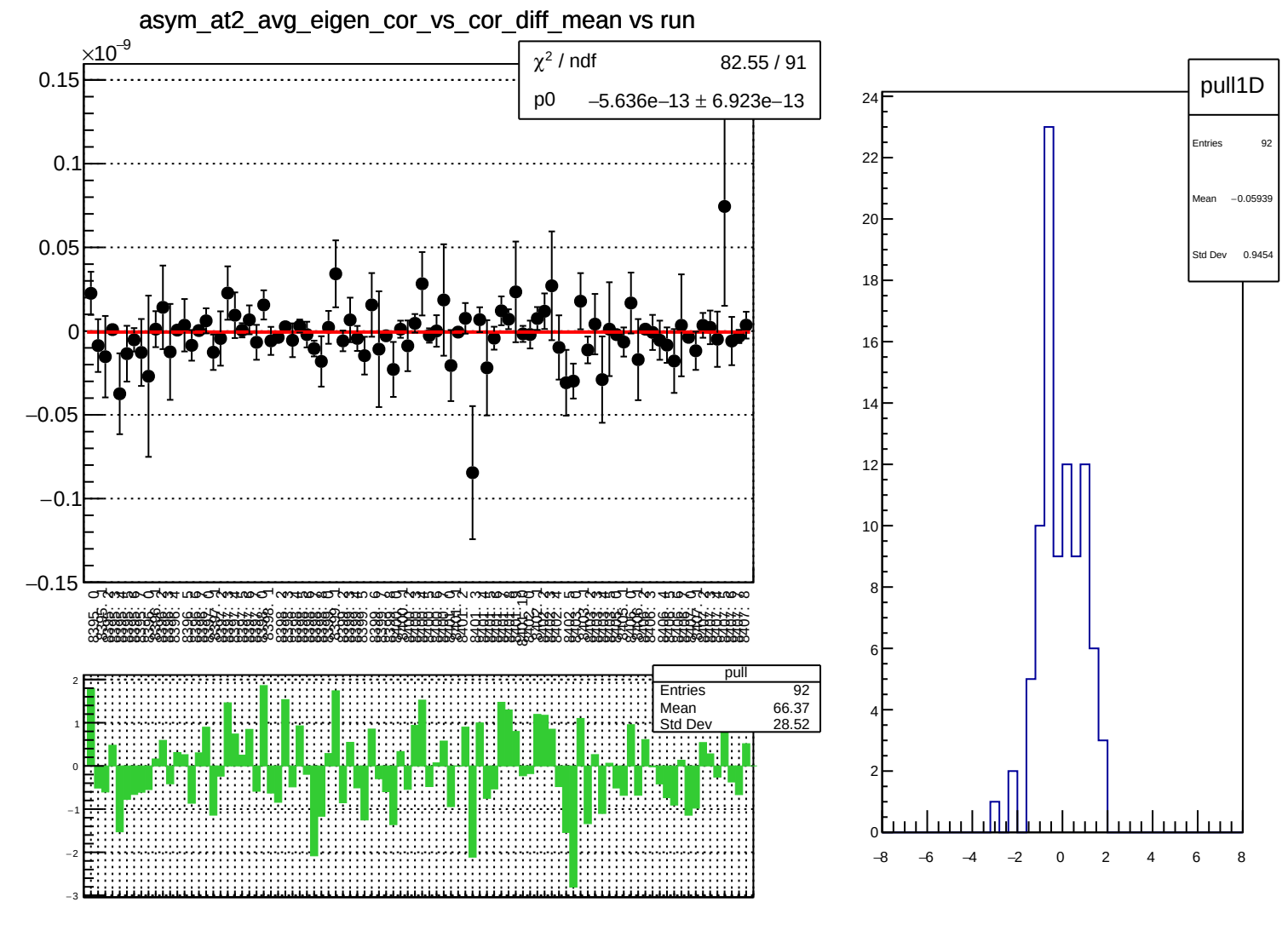

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.1 / 91
p0 −0.3835 ± 0.2439
pull
Entries 92
Mean −350.1
Std Dev 0
pull1D
Entries 92
Mean −0.01099
Std Dev 1.017

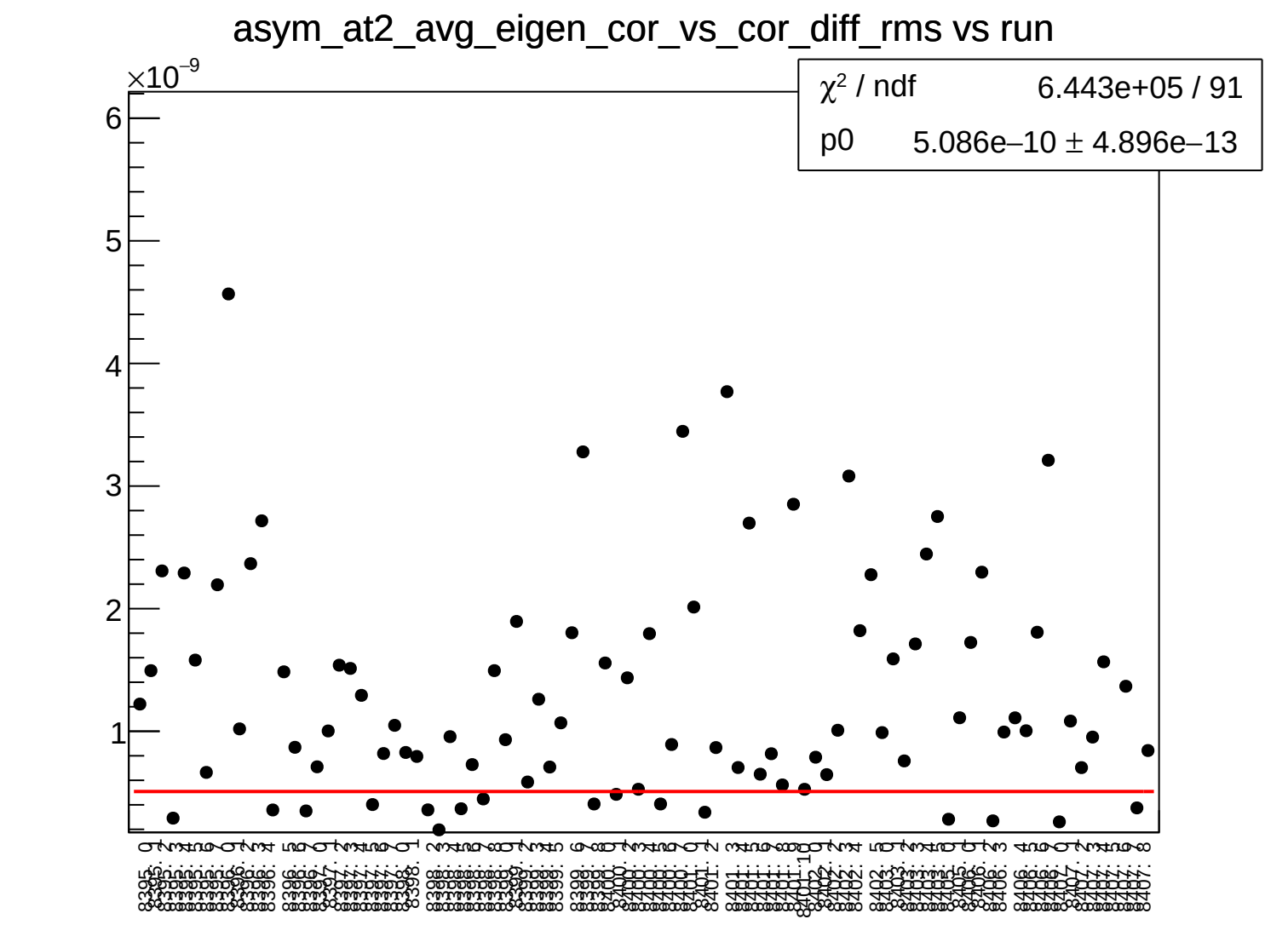

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.418e+04 / 91
p0 224.2 ± 0.1725
600
500
400
300
200

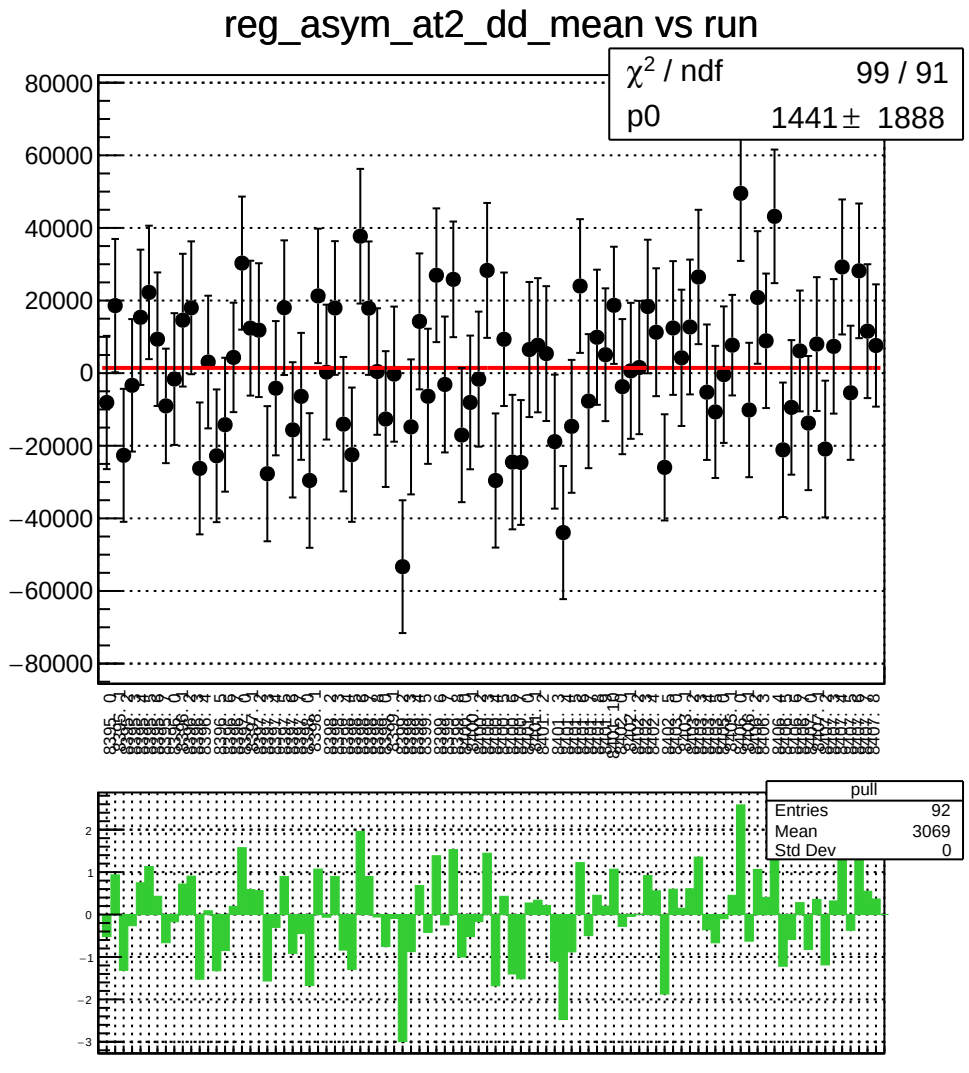

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.1 / 91
p0 −0.3835 ± 0.2439
pull
Entries 92
Mean −350.1
Std Dev 0

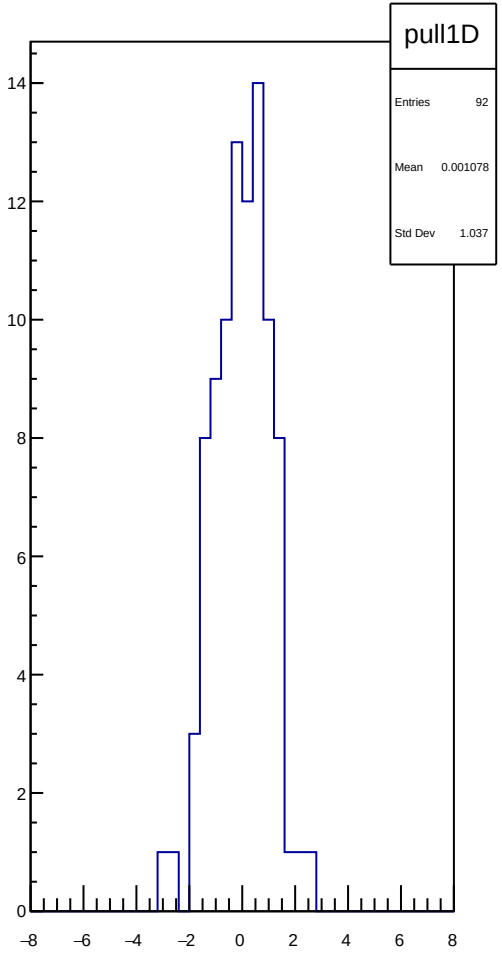

pull1D
Entries 92
Mean −0.01099
Std Dev 1.017

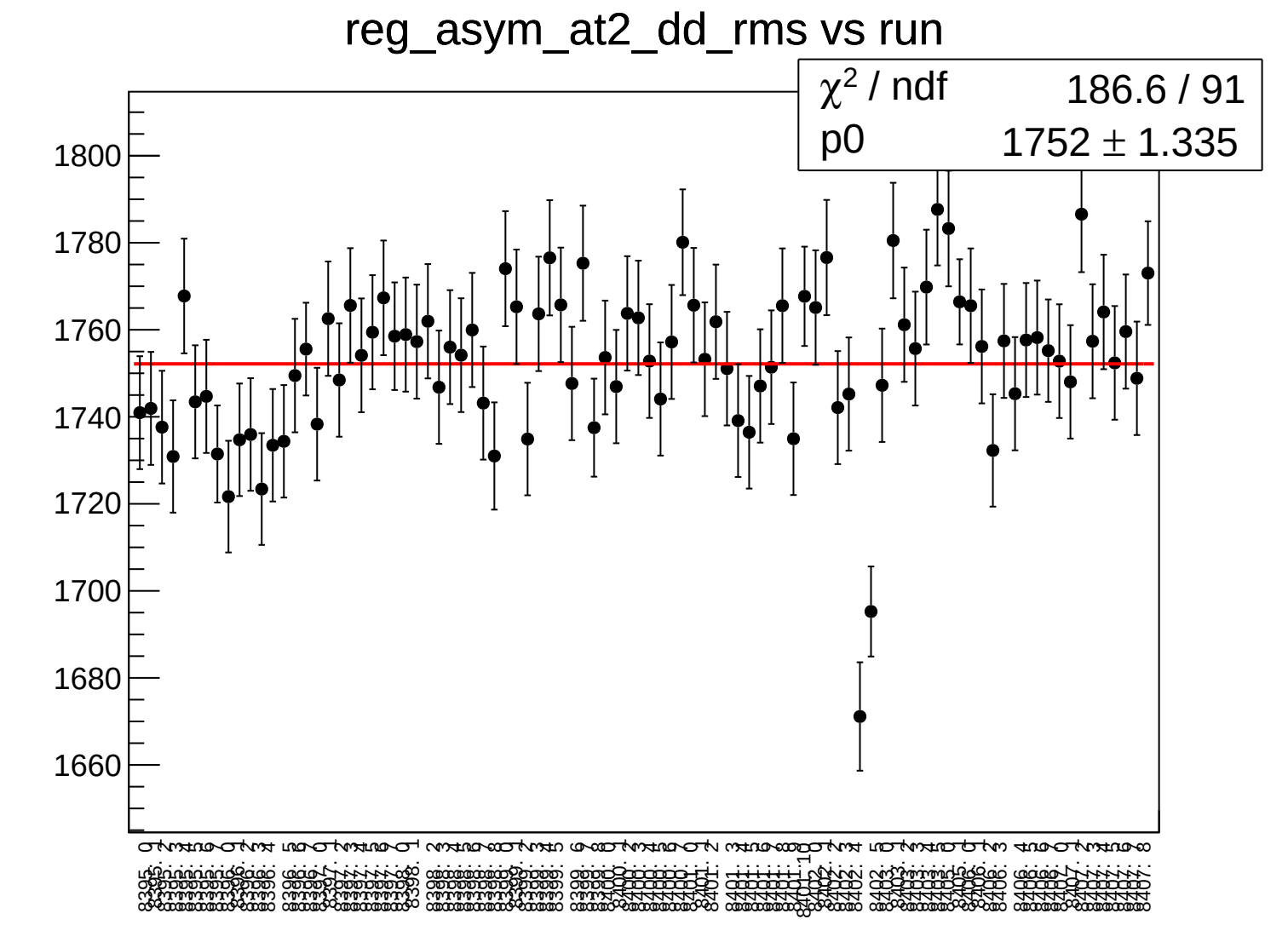

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.418e+04 / 91
p0 224.2 ± 0.1725
600
500
400
300
200

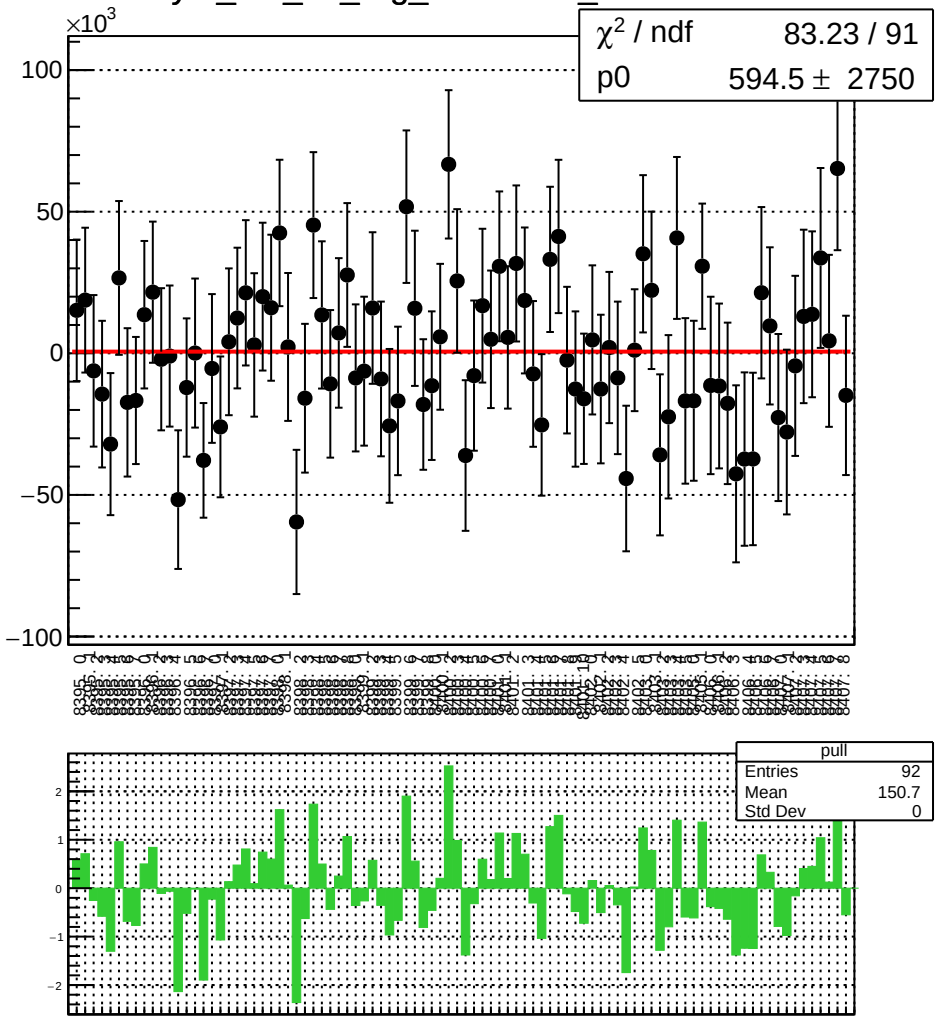

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 82.55 / 91
p0 −5.636e−13 ± 6.923e−13
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 66.37
Std Dev 28.52
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.05939
Std Dev 0.9454
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

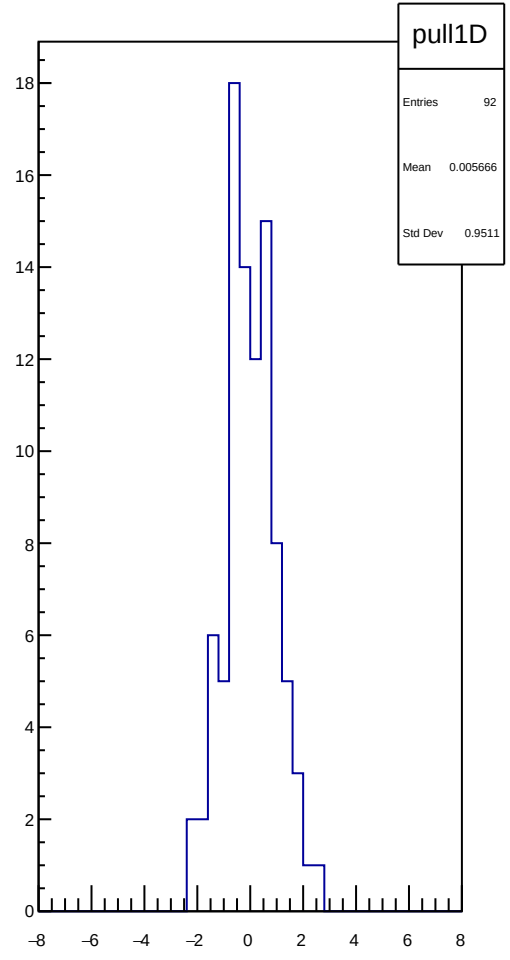

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.443e+05 / 91
p0 5.086e−10 ± 4.896e−13
6
5
4
3
2
1

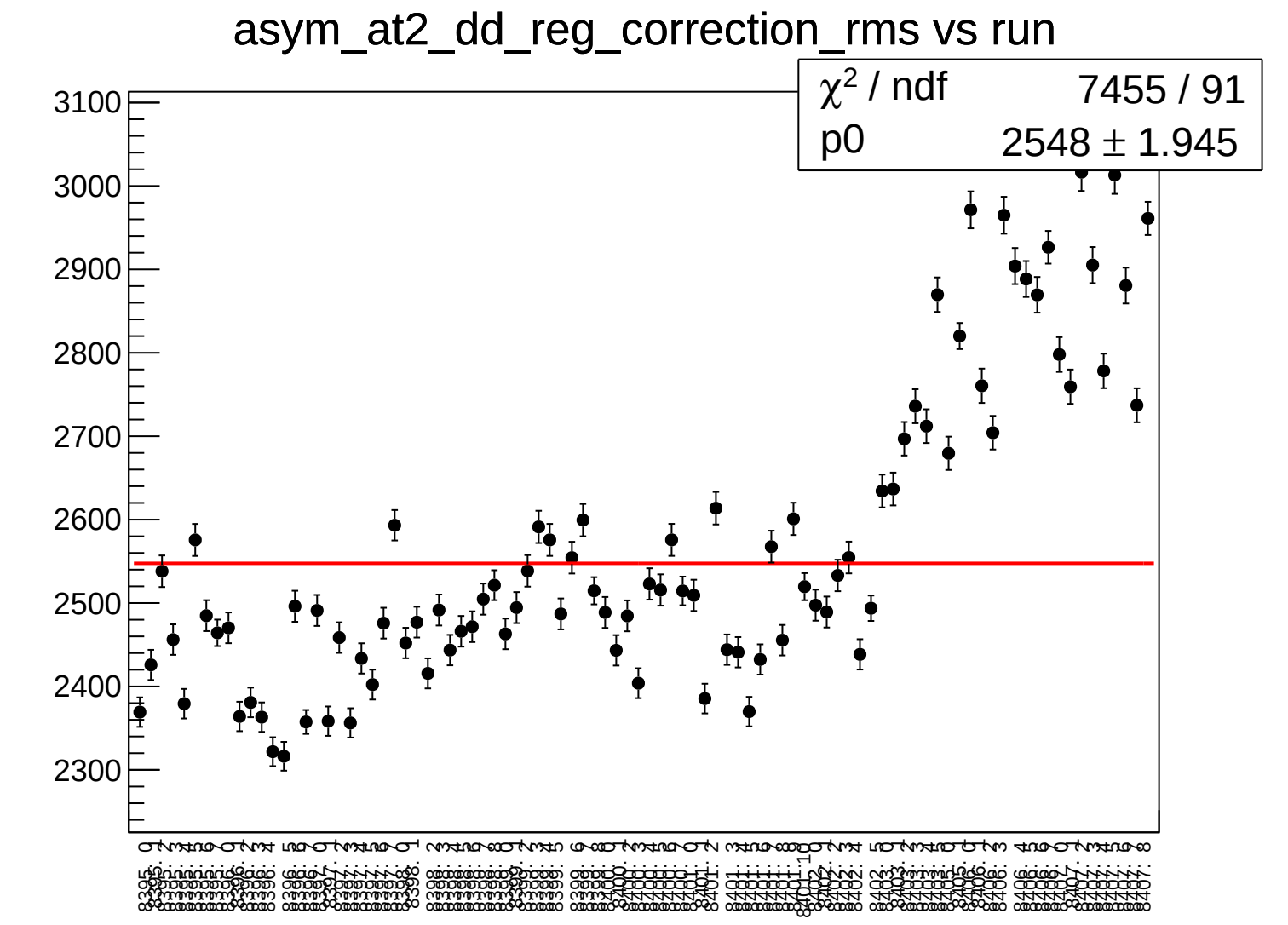

reg_asym_at2_dd_mean vs run
χ² / ndf 99 / 91
p0 1441 ± 1888
pull
Entries 92
Mean 3069
Std Dev 0

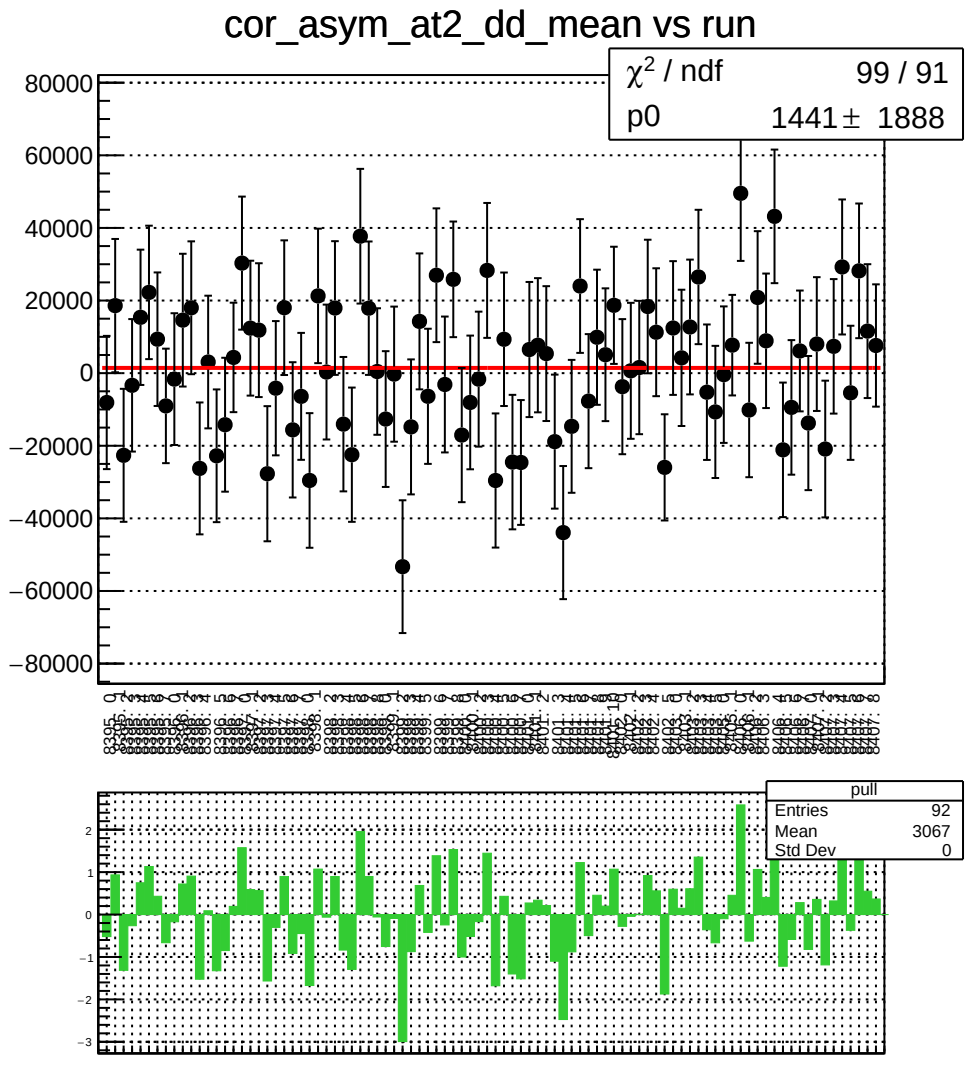

pull1D
Entries 92
Mean 0.001078
Std Dev 1.037

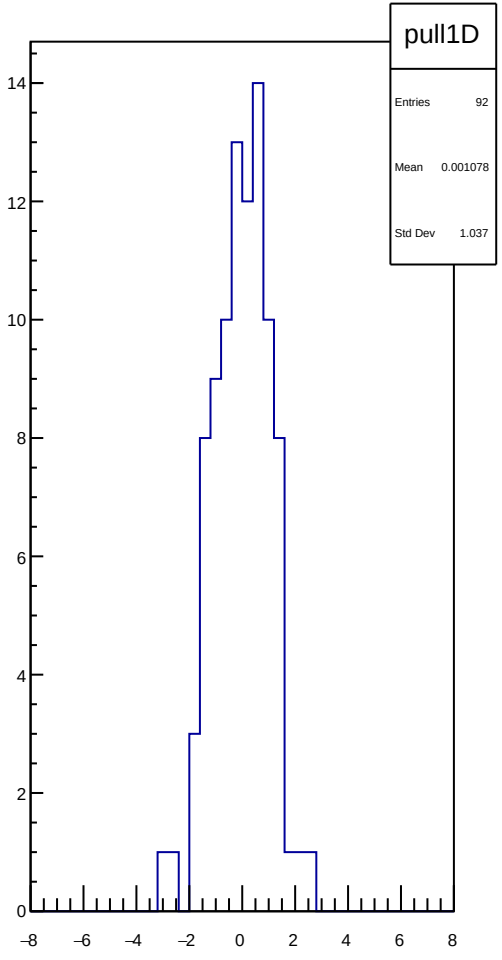

reg_asym_at2_dd_rms vs run
$\chi^2$ / ndf 186.6 / 91
p0 1752 ± 1.335
1800
1780
1760
1740
1720
1700
1680
1660

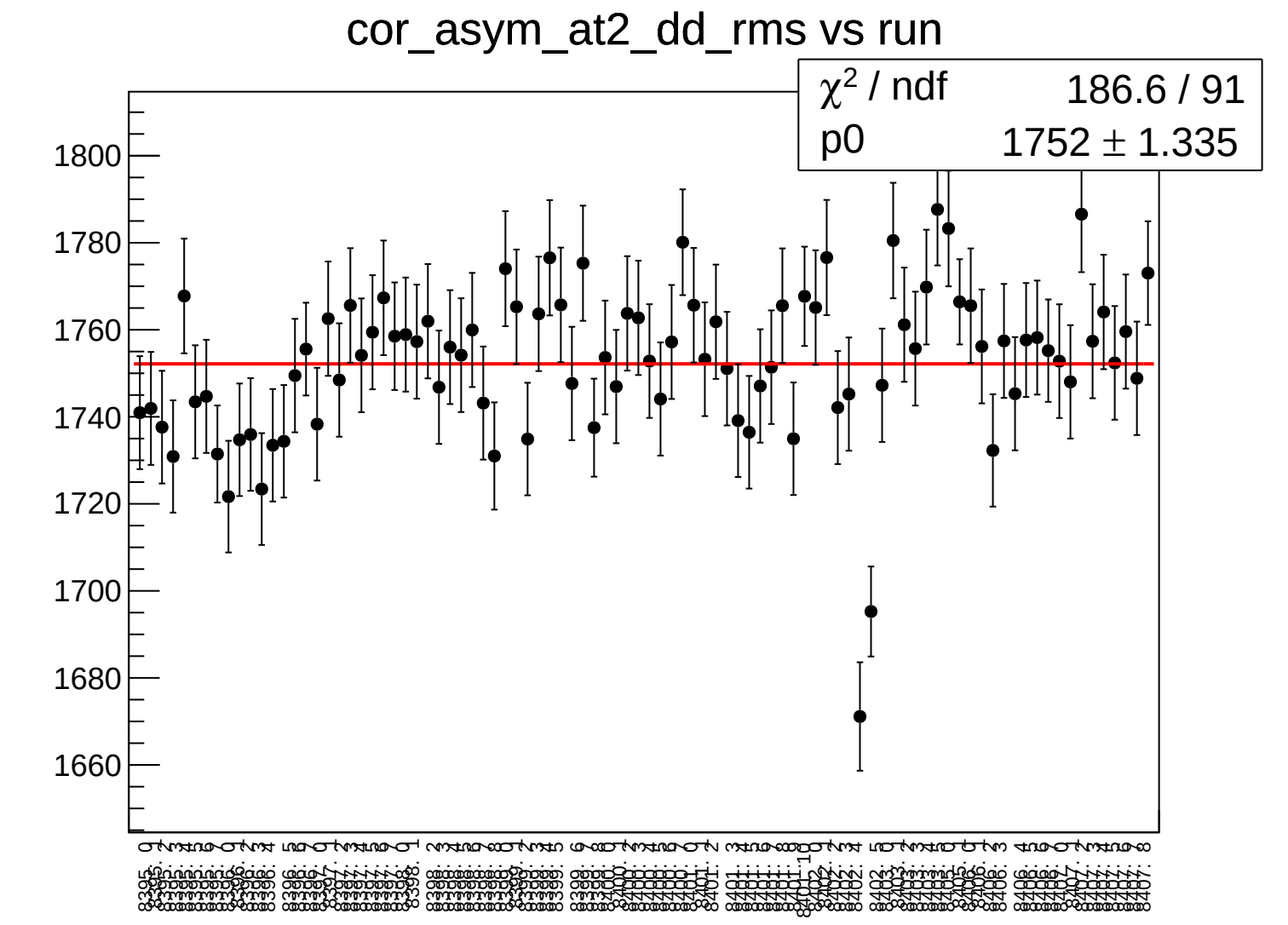

asym_at2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 83.23 / 91
p0 594.5 ± 2750
100
50
0
−50
−100
pull
Entries 92
Mean 150.7
Std Dev 0
2
1
0
−1
−2

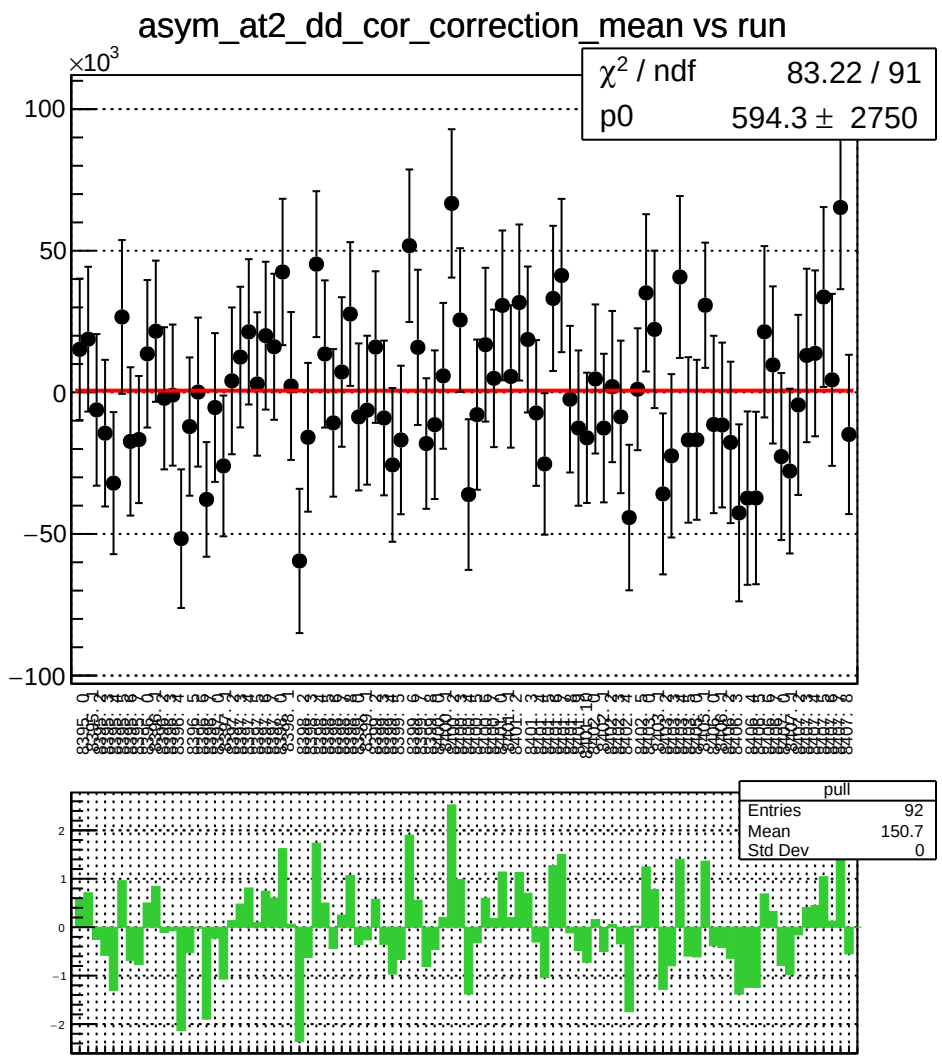

pull1D
Entries 92
Mean 0.005666
Std Dev 0.9511
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

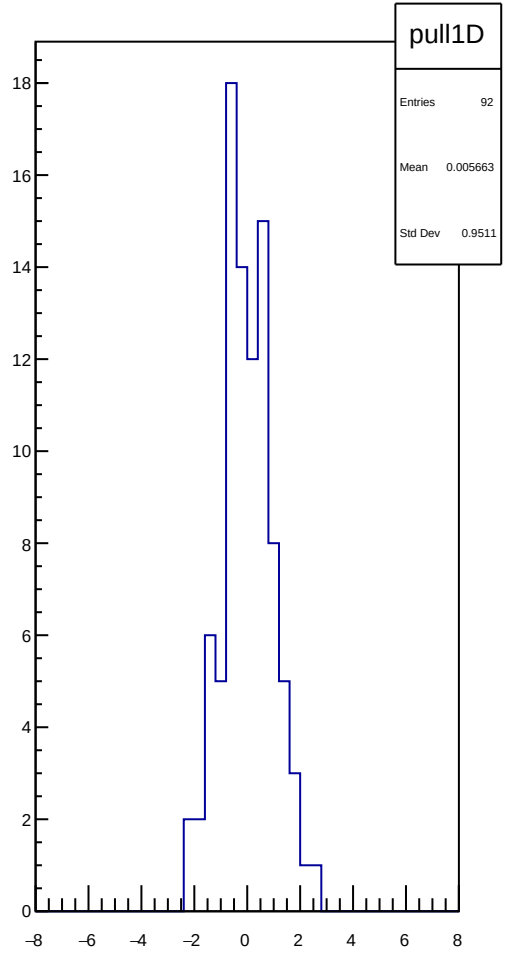

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 7455 / 91
p0 2548 ± 1.945
3100
3000
2900
2800
2700
2600
2500
2400
2300

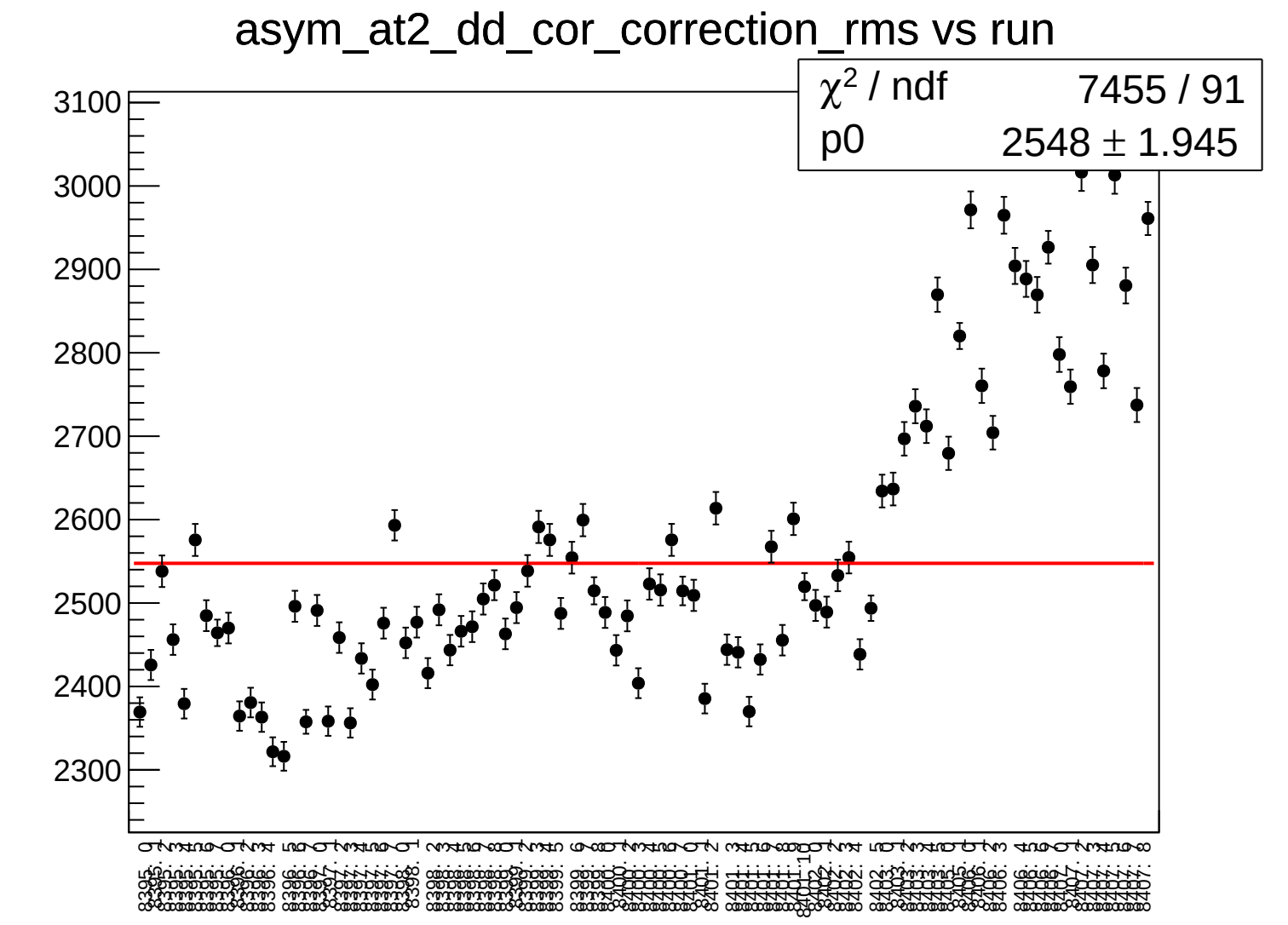

cor_asym_at2_dd_mean vs run
χ² / ndf 99 / 91
p0 1441 ± 1888
pull
Entries 92
Mean 3067
Std Dev 0

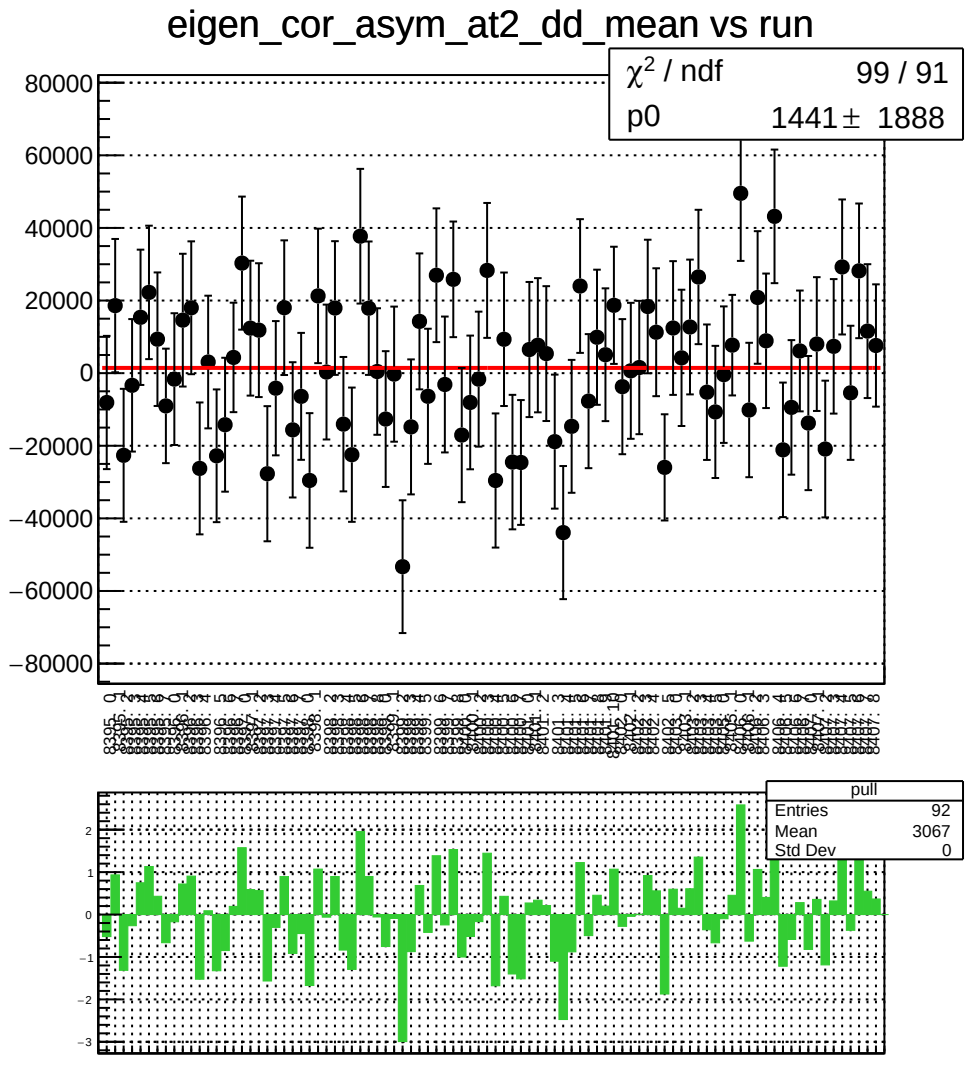

pull1D
Entries 92
Mean 0.001078
Std Dev 1.037

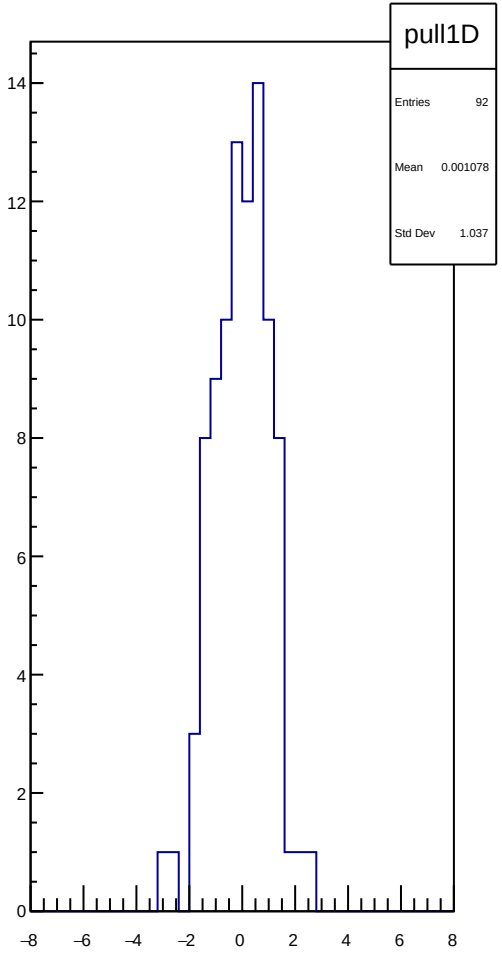

cor_asym_at2_dd_rms vs run
χ² / ndf 186.6 / 91
p0 1752 ± 1.335
1800
1780
1760
1740
1720
1700
1680
1660

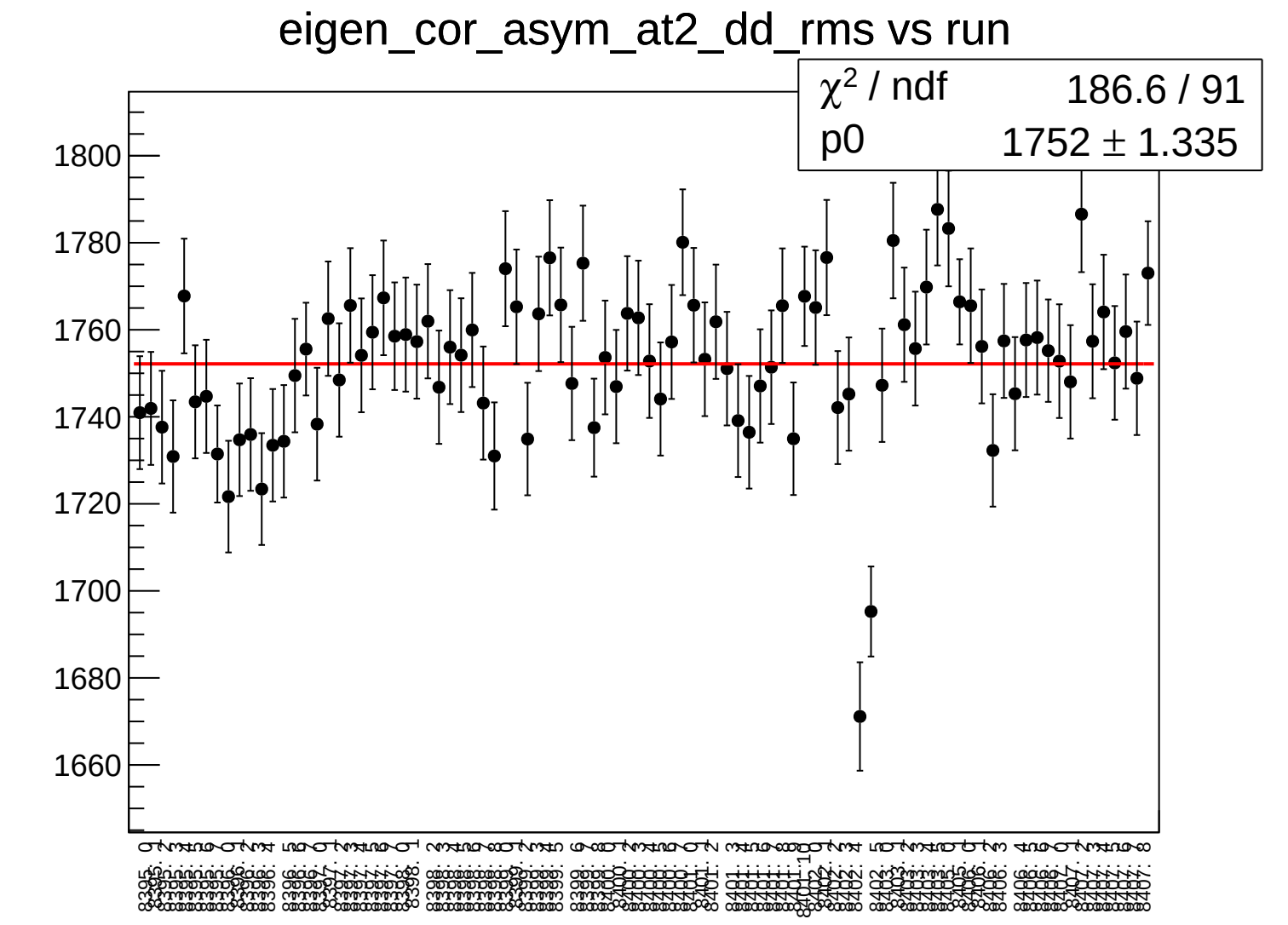

asym_at2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 83.22 / 91
p0 594.3 ± 2750
100
50
0
−50
−100
pull
Entries 92
Mean 150.7
Std Dev 0
2
1
0
−1
−2

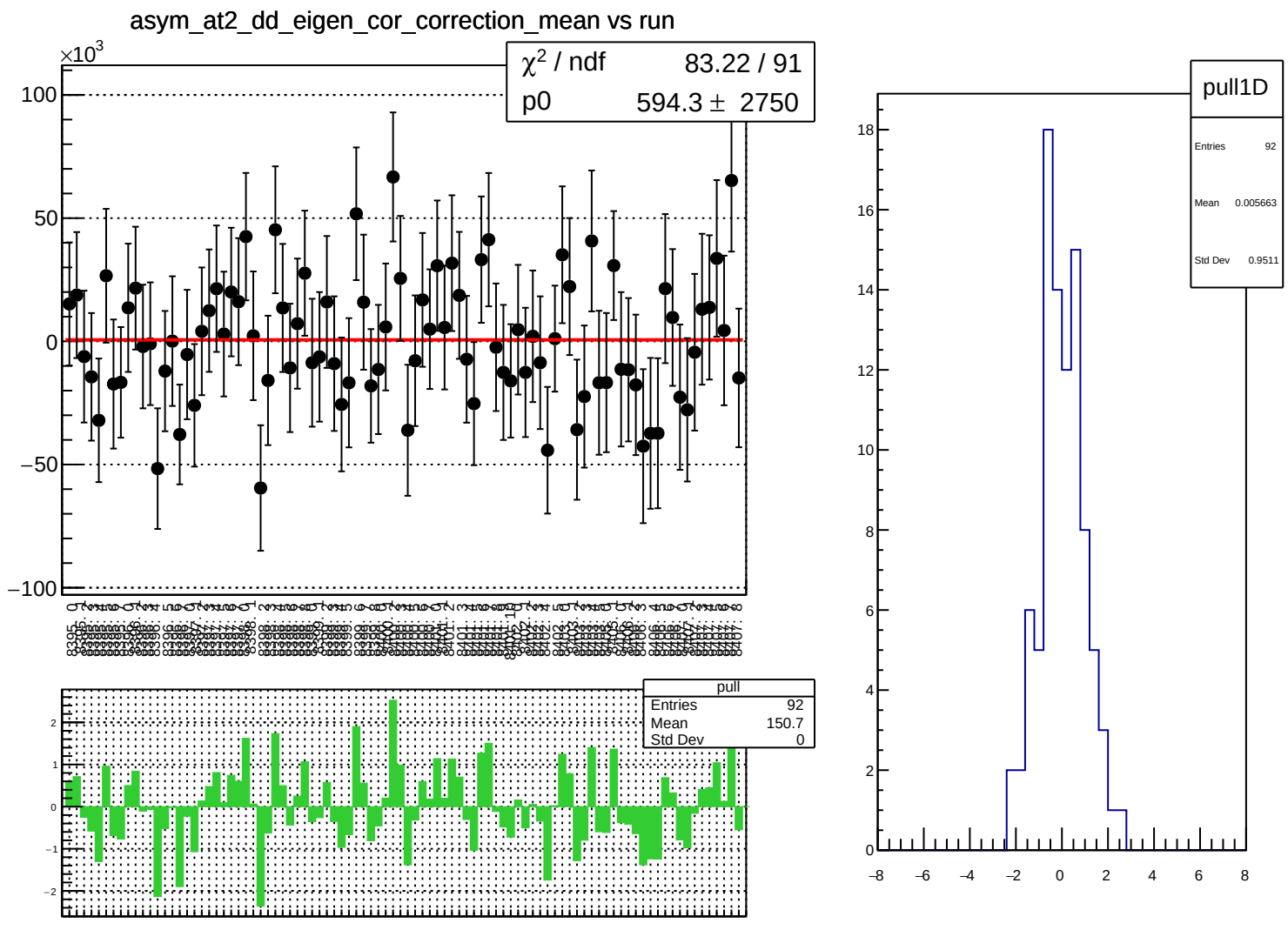

pull1D
Entries 92
Mean 0.005663
Std Dev 0.9511
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

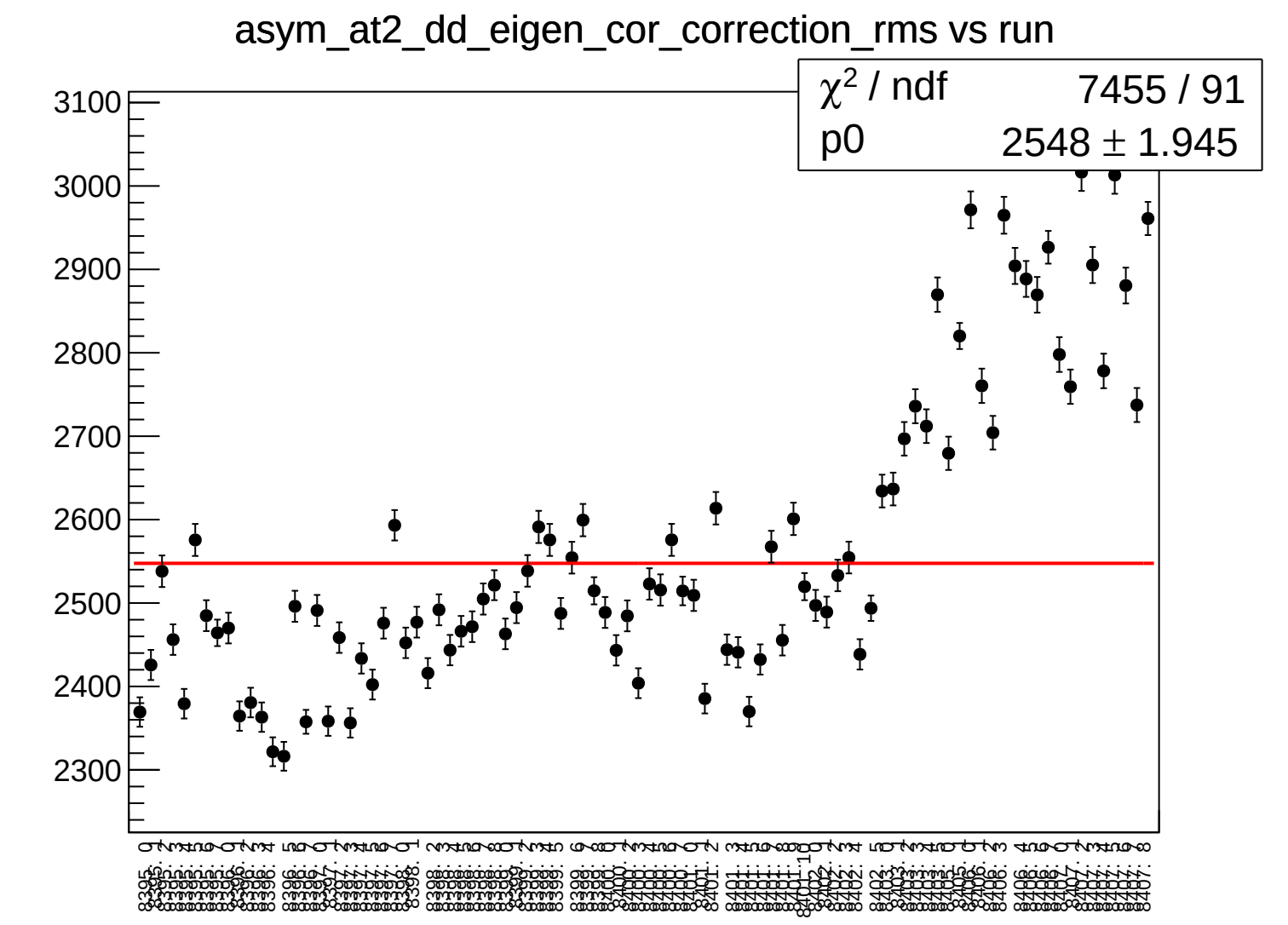

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 7455 / 91
p0 2548 ± 1.945
3100
3000
2900
2800
2700
2600
2500
2400
2300

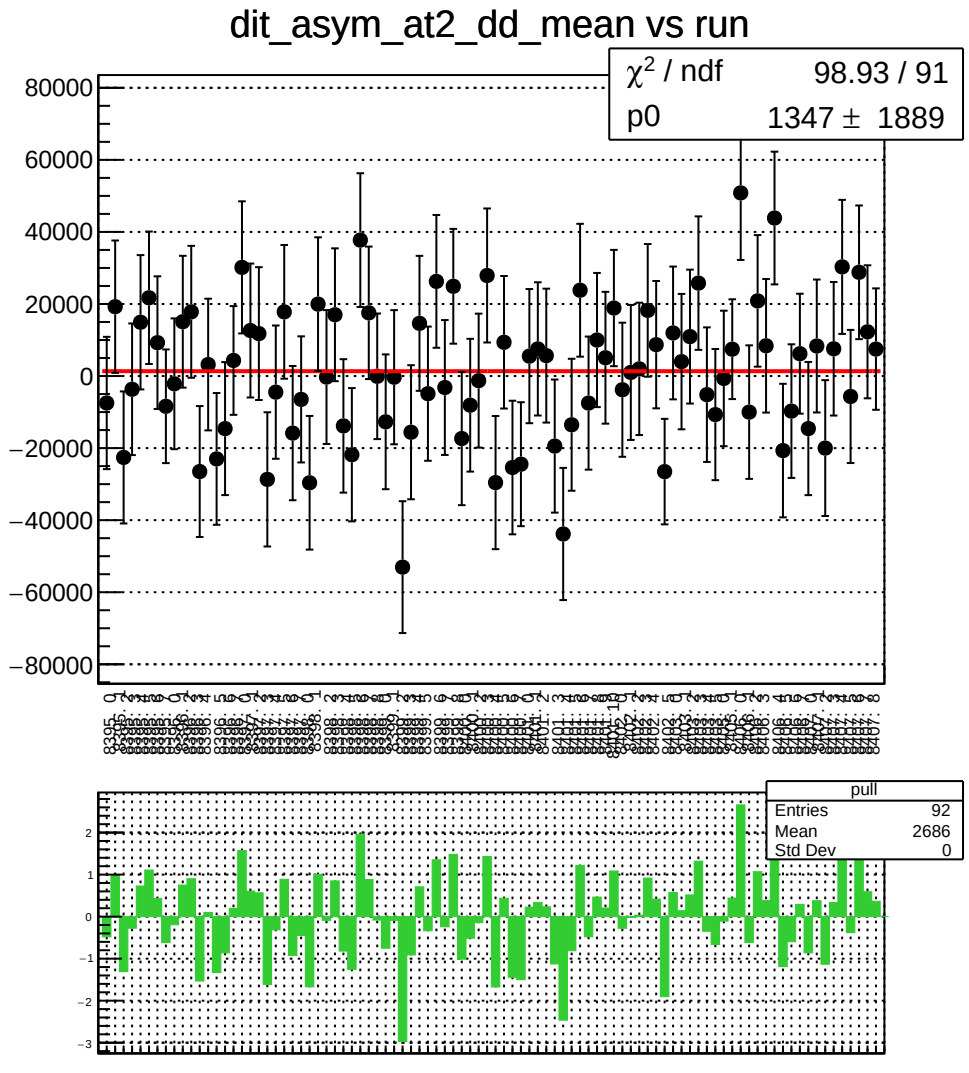

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 99 / 91
p0 1441 ± 1888
pull
Entries 92
Mean 3067
Std Dev 0

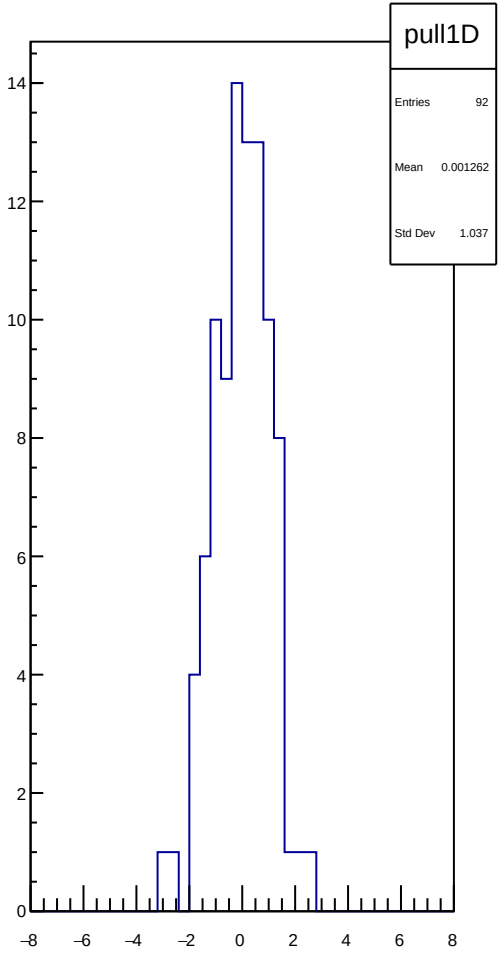

pull1D
Entries 92
Mean 0.001078
Std Dev 1.037

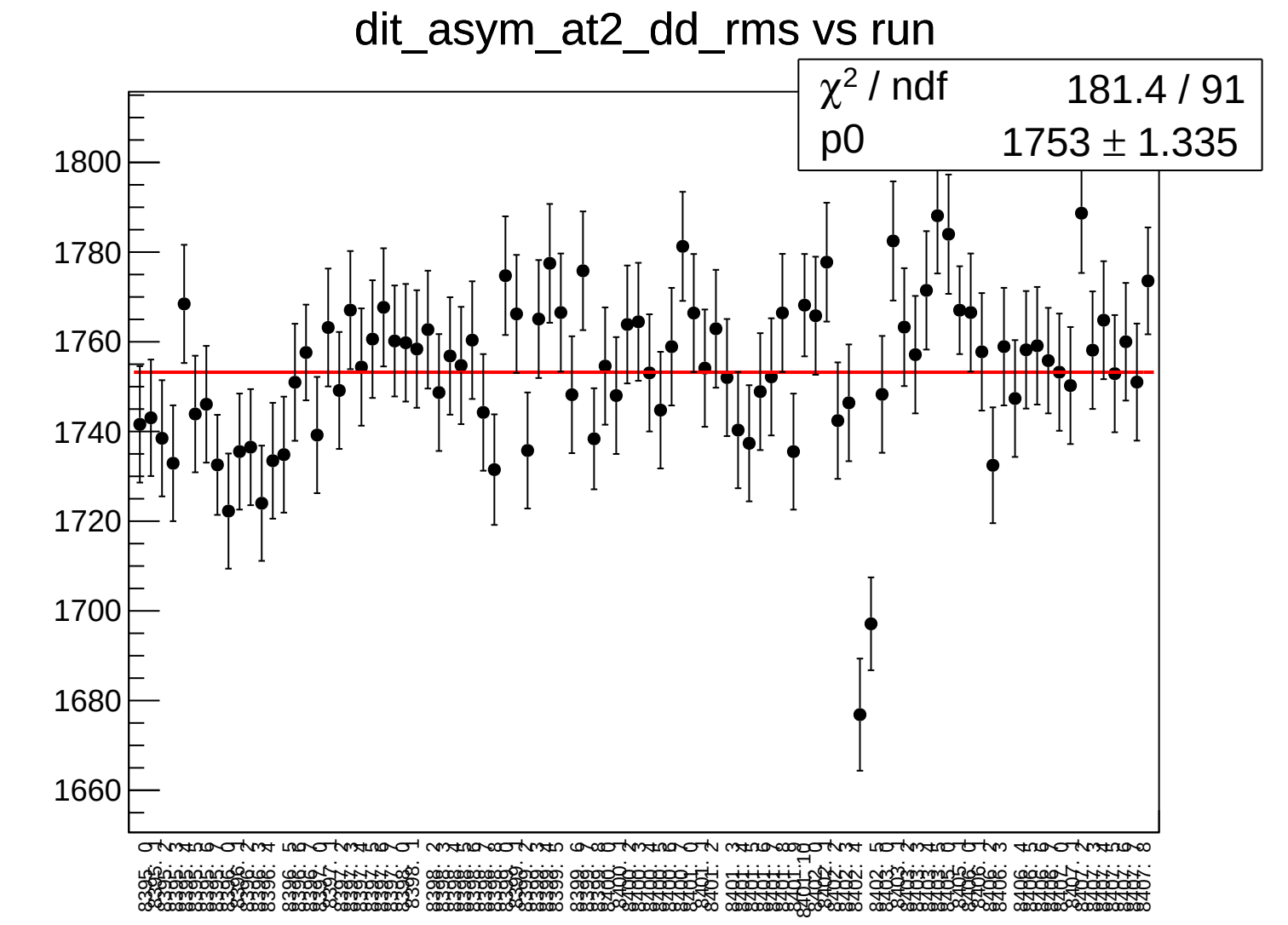

eigen_cor_asym_at2_dd_rms vs run
$\chi^2$ / ndf 186.6 / 91
p0 1752 ± 1.335
1800
1780
1760
1740
1720
1700
1680
1660

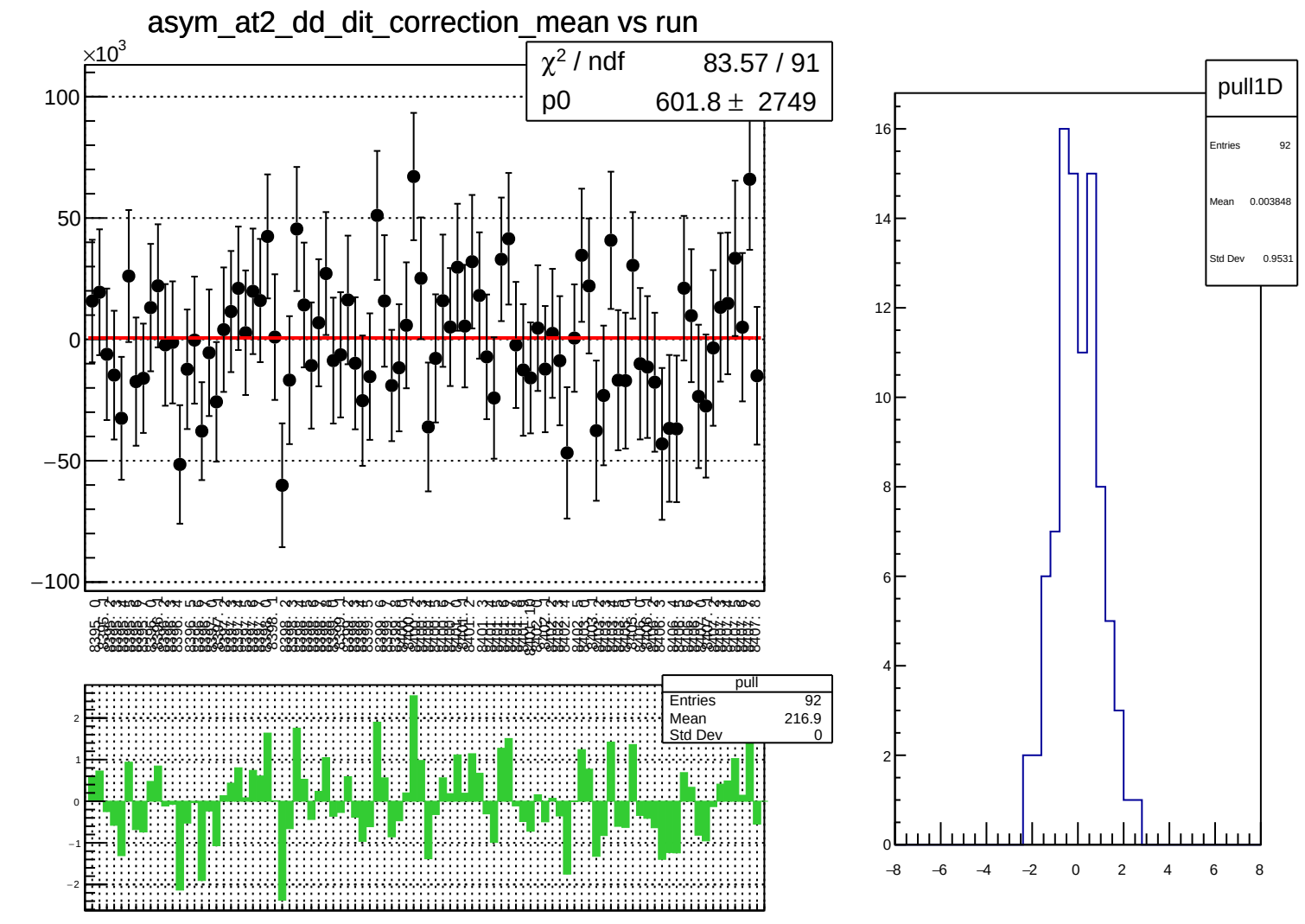

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 83.22 / 91
p0 594.3 ± 2750
100
50
0
−50
−100
pull
Entries 92
Mean 150.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.005663
Std Dev 0.9511
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

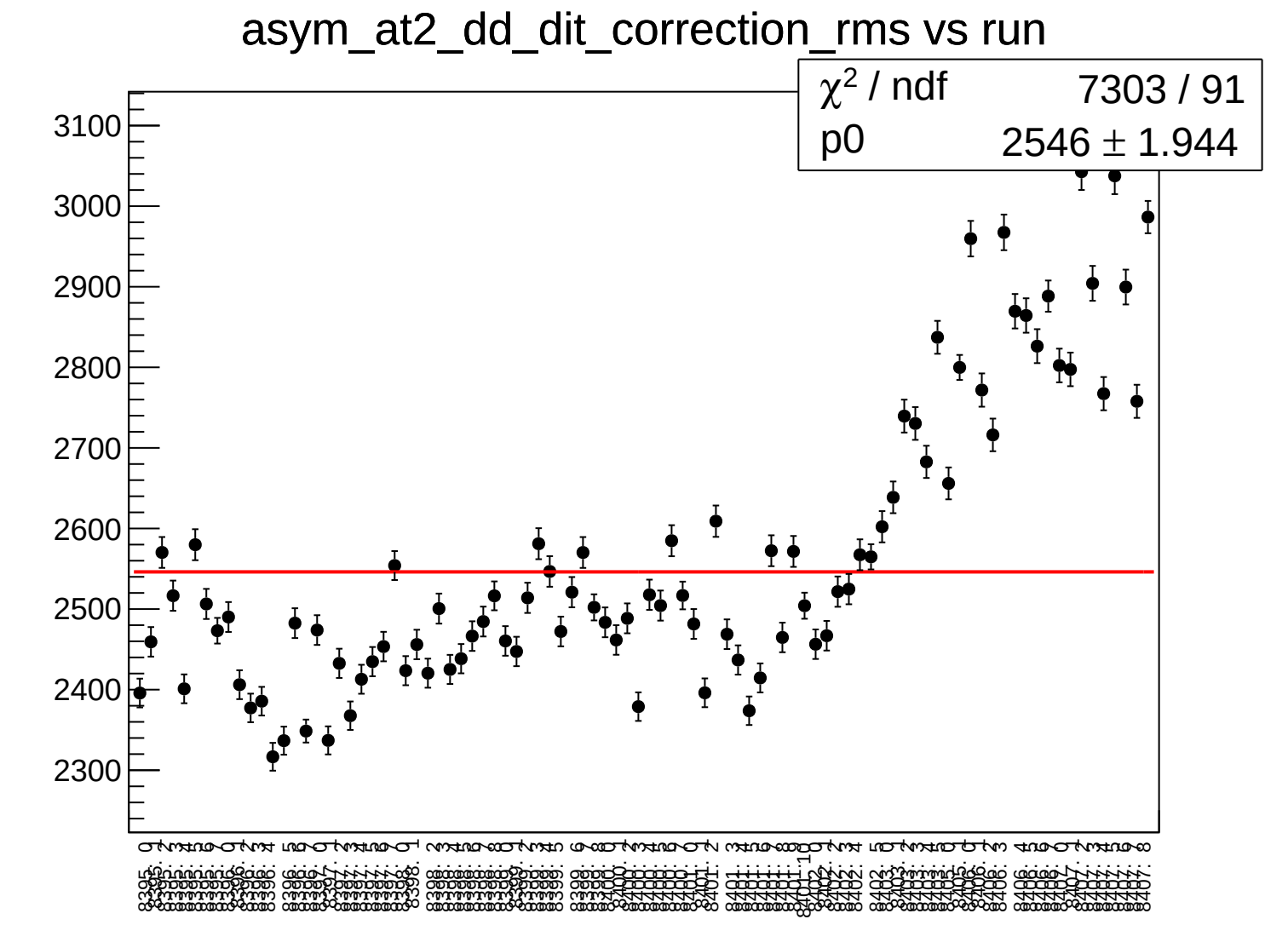

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7455 / 91
p0 2548 ± 1.945
3100
3000
2900
2800
2700
2600
2500
2400
2300

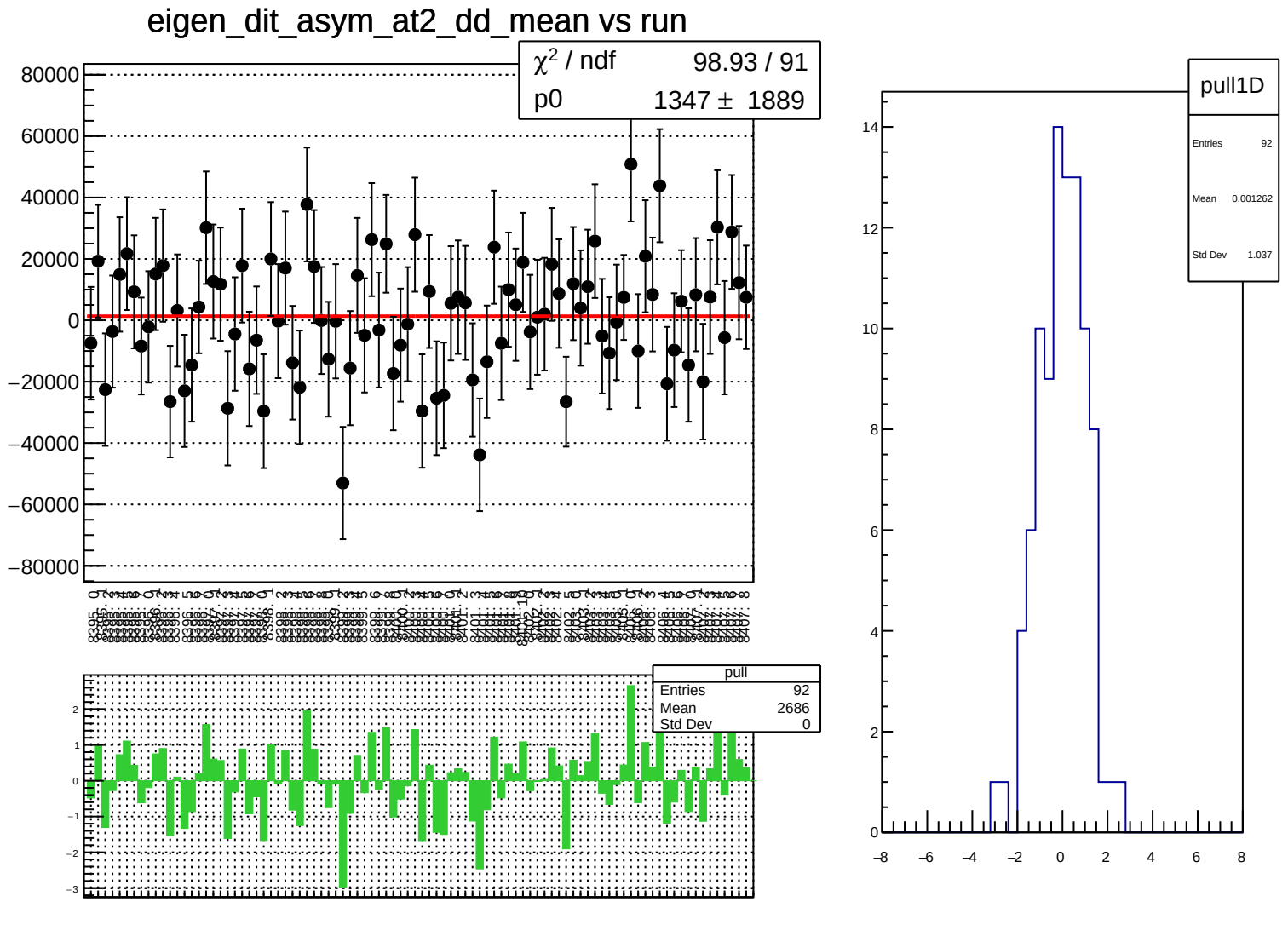

dit_asym_at2_dd_mean vs run
χ² / ndf 98.93 / 91
p0 1347 ± 1889
pull
Entries 92
Mean 2686
Std Dev 0

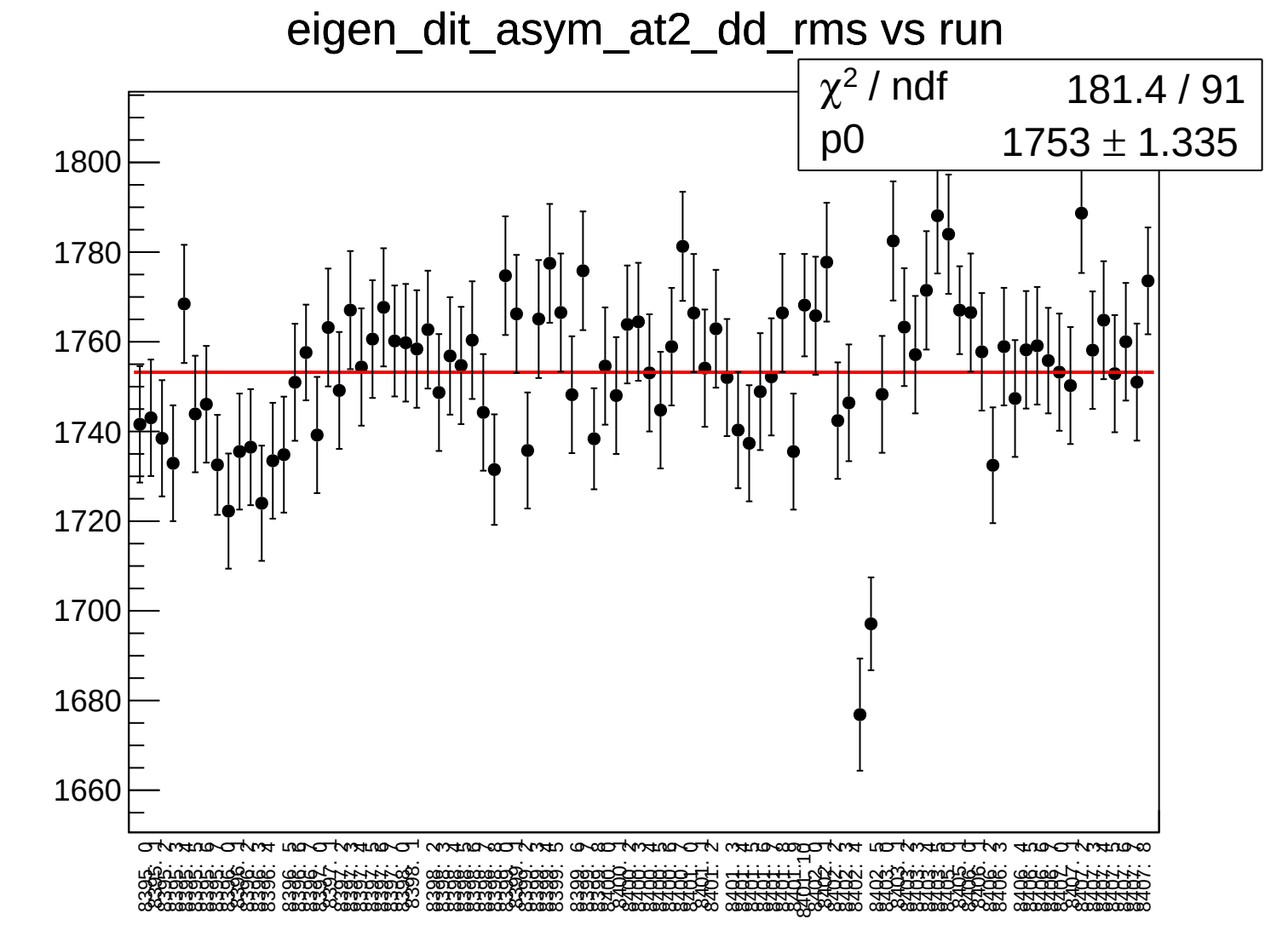

pull1D
Entries 92
Mean 0.001262
Std Dev 1.037

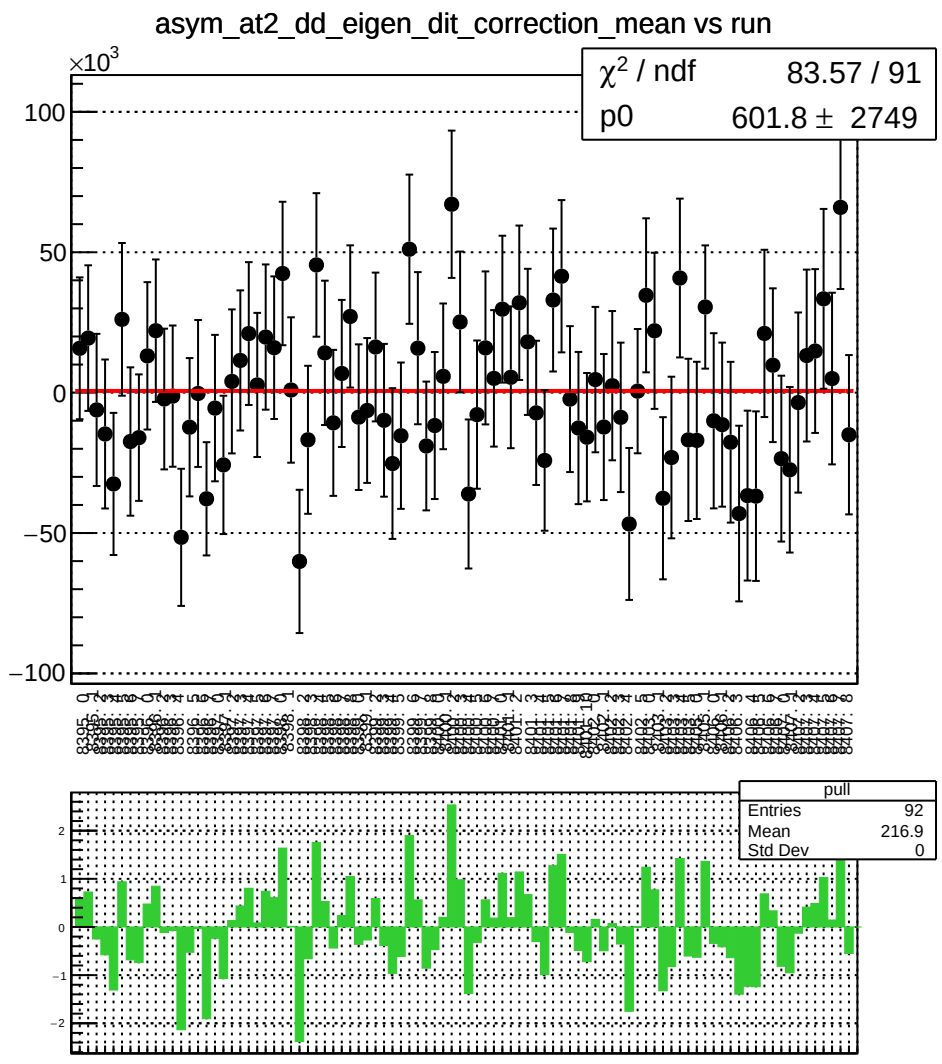

dit_asym_at2_dd_rms vs run
$\chi^2$ / ndf 181.4 / 91
p0 1753 ± 1.335
1800
1780
1760
1740
1720
1700
1680
1660

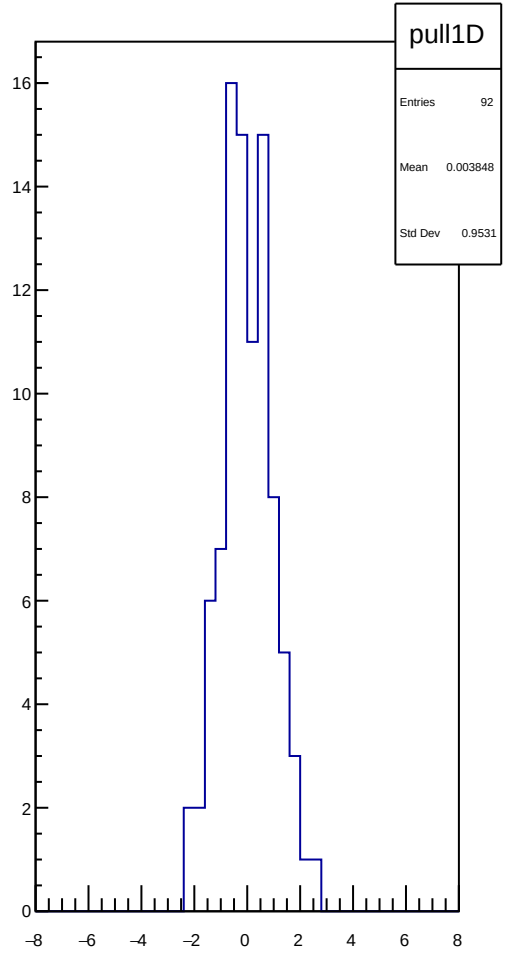

asym_at2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 83.57 / 91
p0 601.8 ± 2749
100
50
0
−50
−100
pull
Entries 92
Mean 216.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.003848
Std Dev 0.9531
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

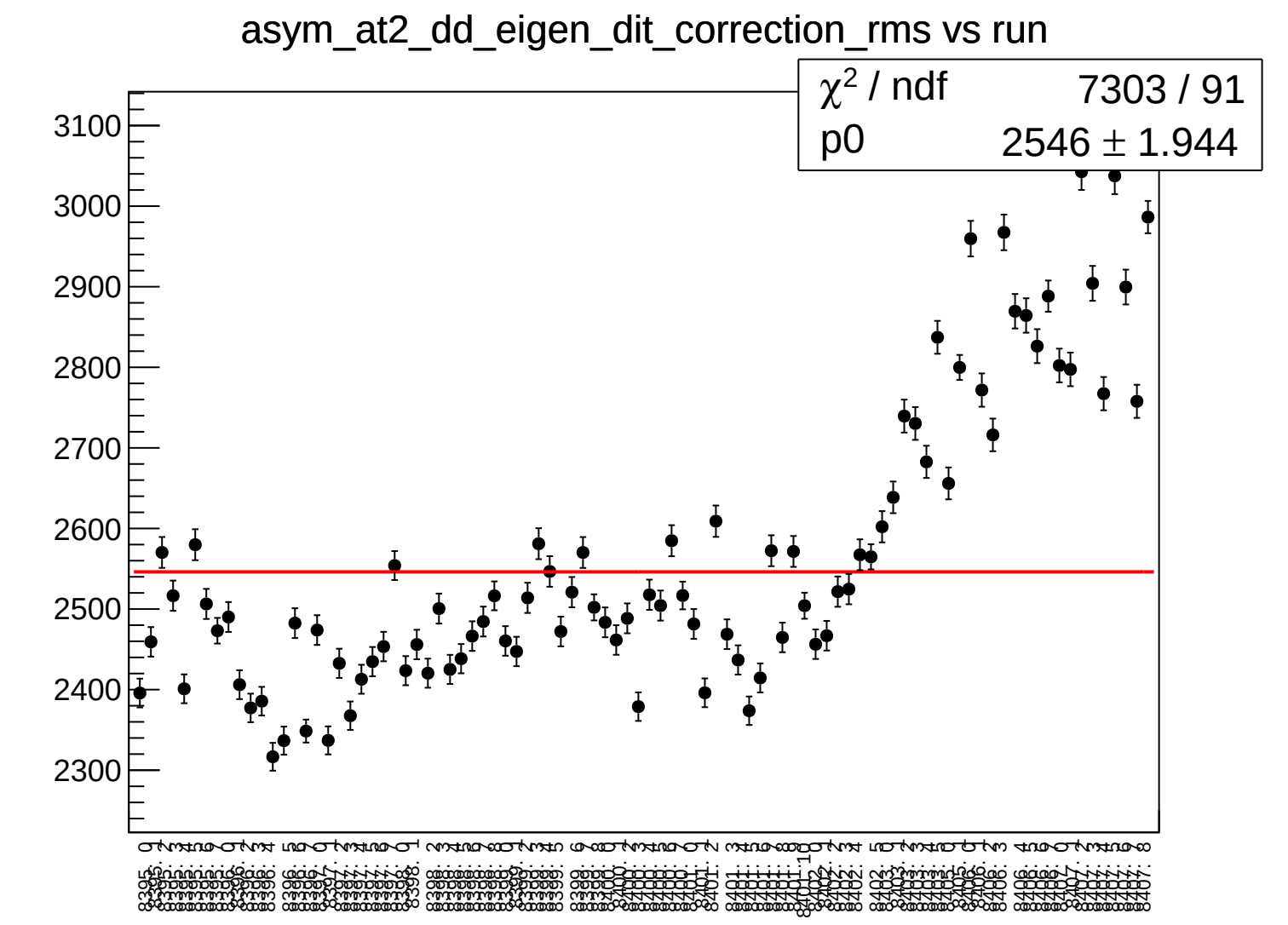

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 7303 / 91
p0 2546 ± 1.944
3100
3000
2900
2800
2700
2600
2500
2400
2300

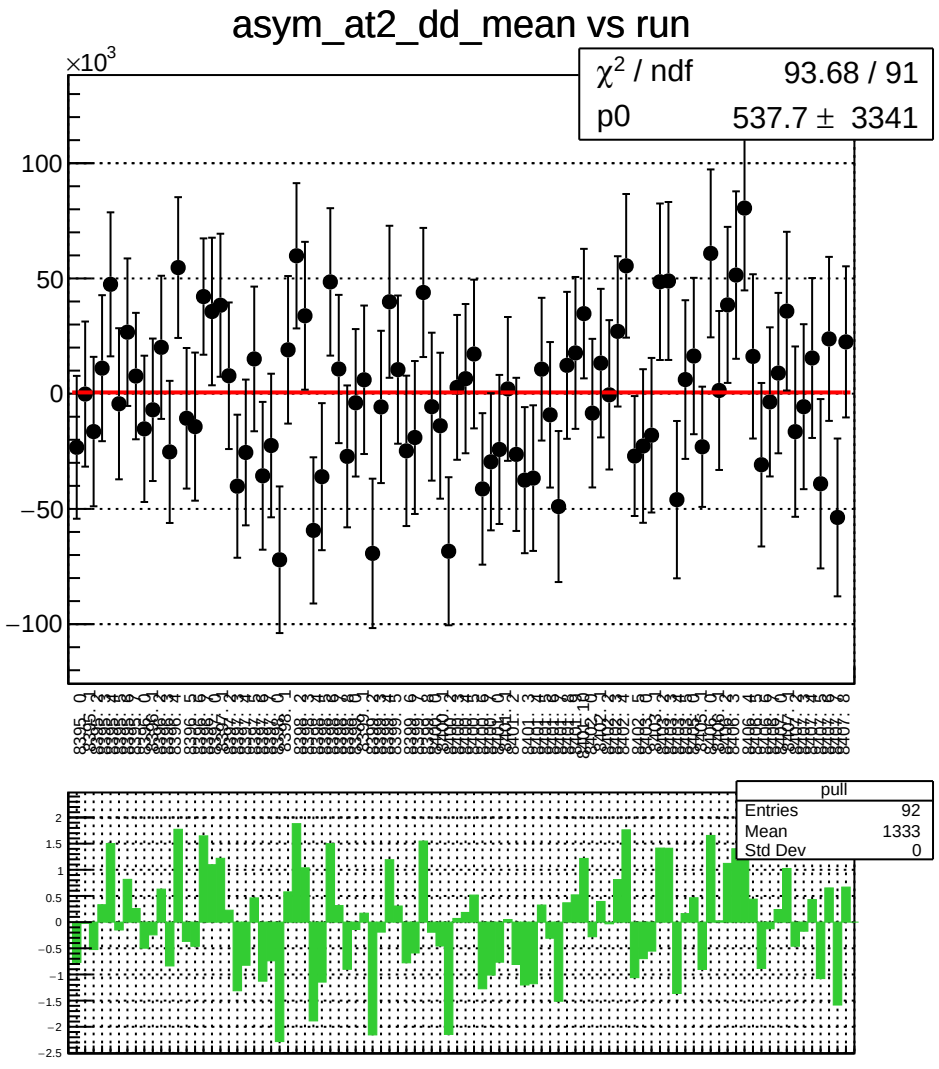

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 98.93 / 91
p0 1347 ± 1889
pull
Entries 92
Mean 2686
Std Dev 0
pull1D
Entries 92
Mean 0.001262
Std Dev 1.037

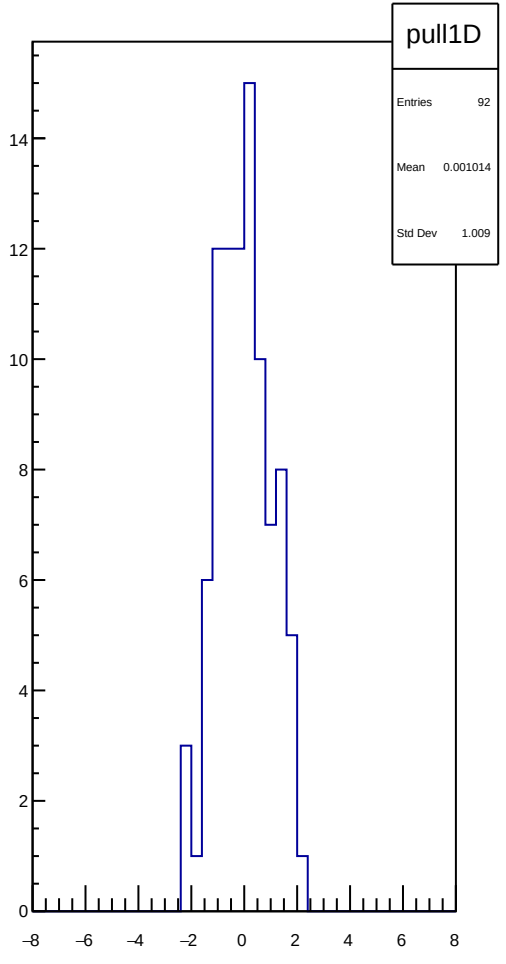

eigen_dit_asym_at2_dd_rms vs run
$\chi^2$ / ndf 181.4 / 91
p0 1753 ± 1.335
1800
1780
1760
1740
1720
1700
1680
1660

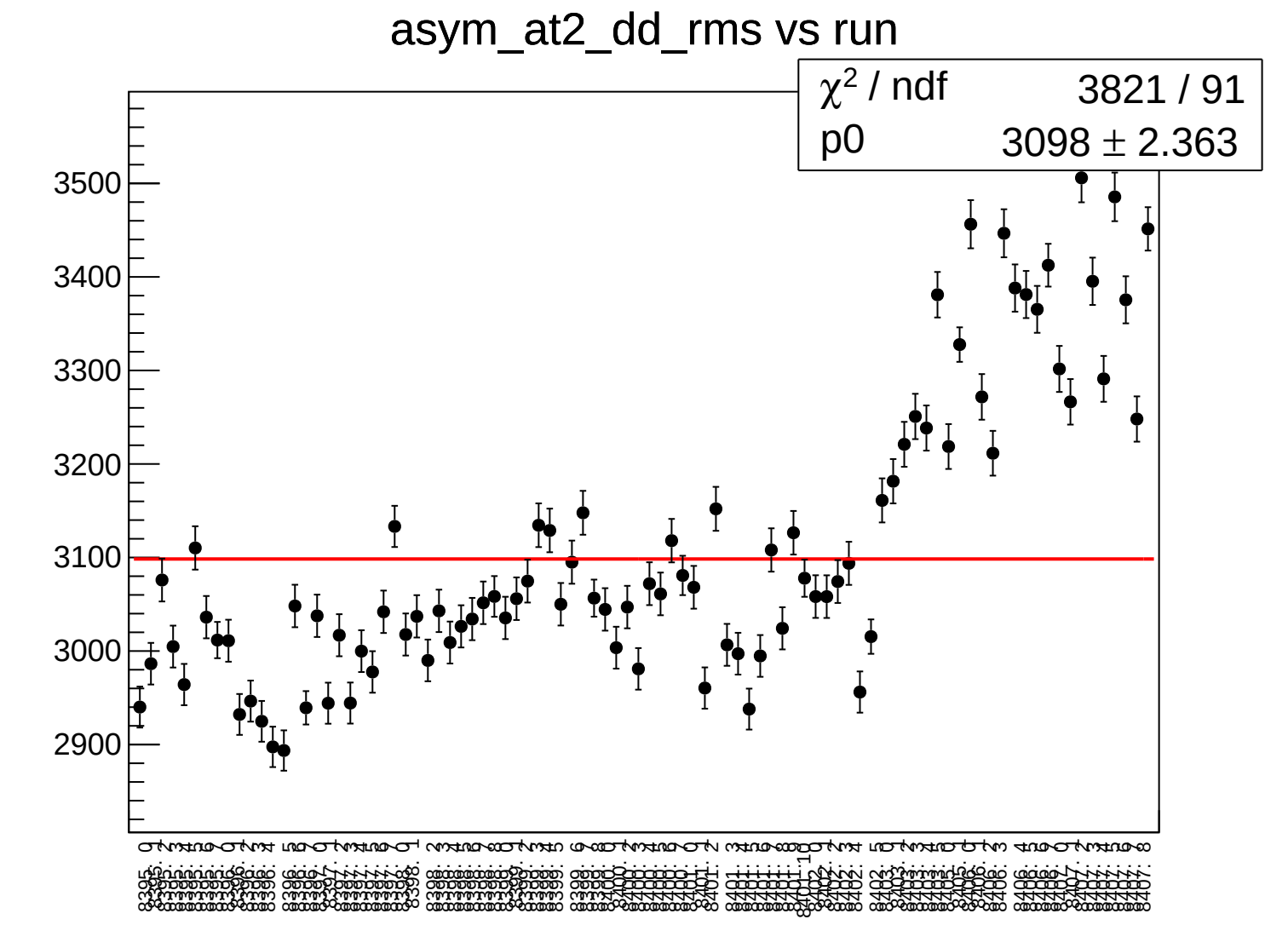

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 83.57 / 91
p0 601.8 ± 2749
100
50
0
−50
−100
pull
Entries 92
Mean 216.9
Std Dev 0
2
1
0
−1
−2

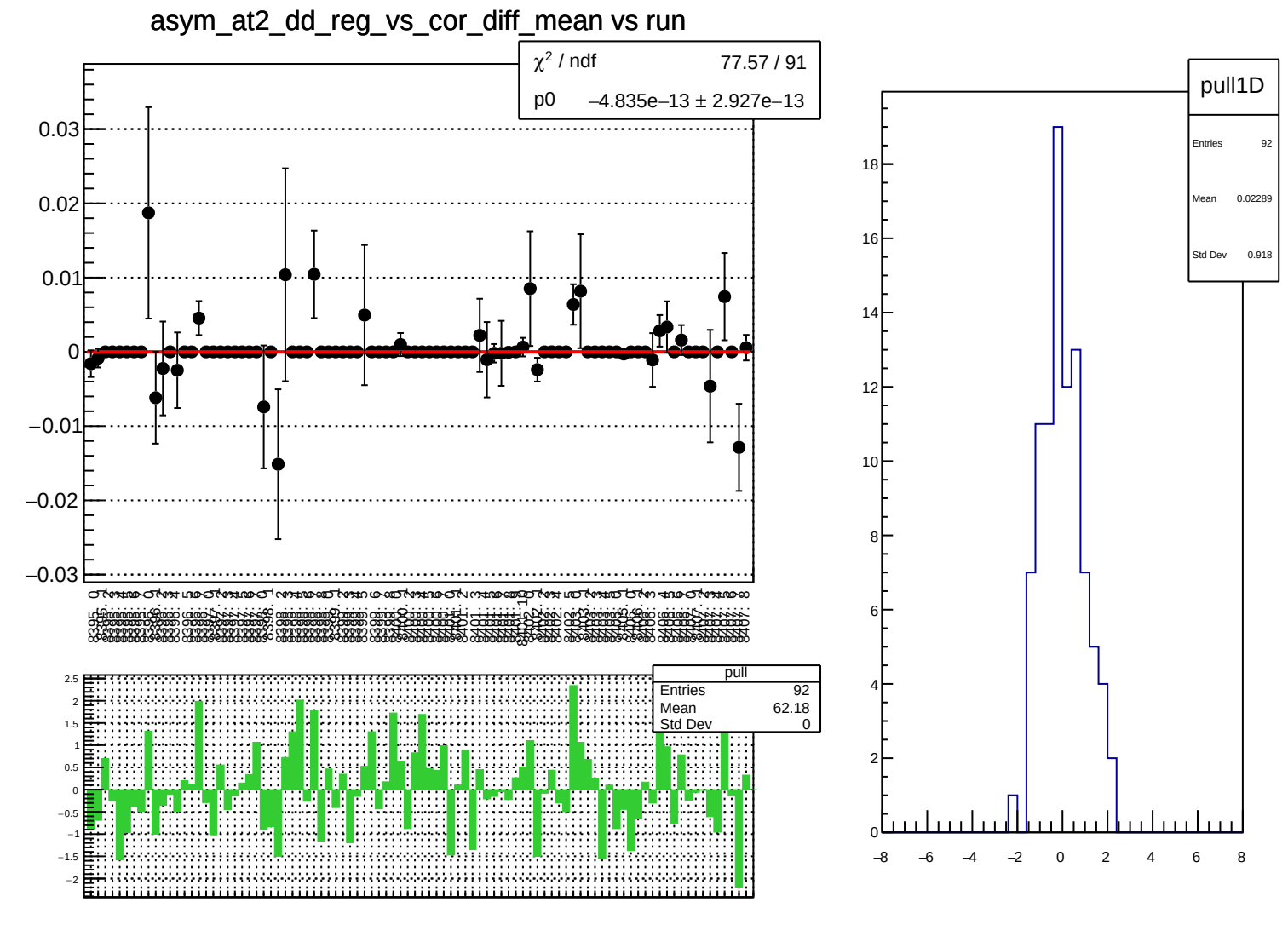

pull1D
Entries 92
Mean 0.003848
Std Dev 0.9531
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

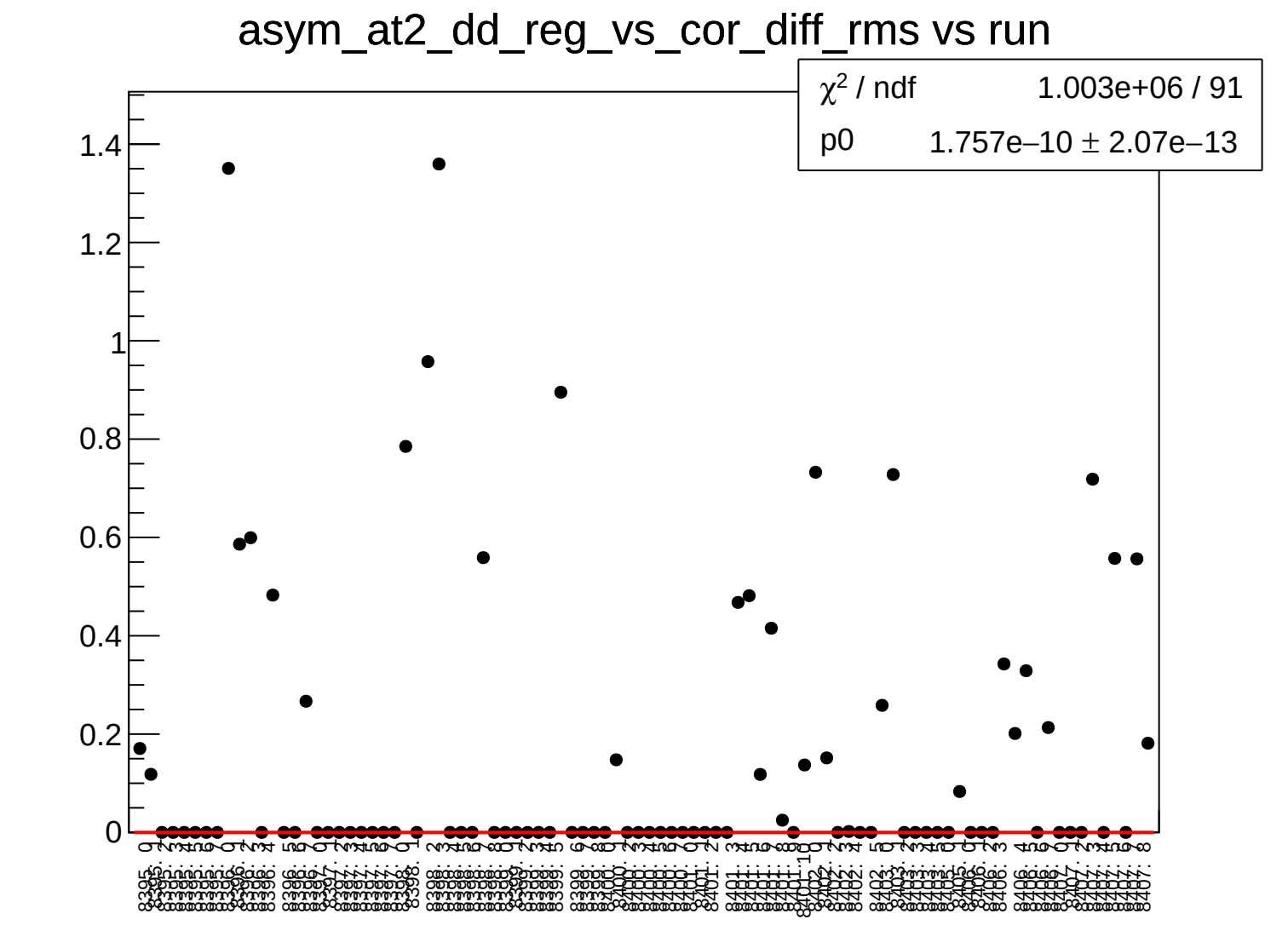

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7303 / 91
p0 2546 ± 1.944
3100
3000
2900
2800
2700
2600
2500
2400
2300

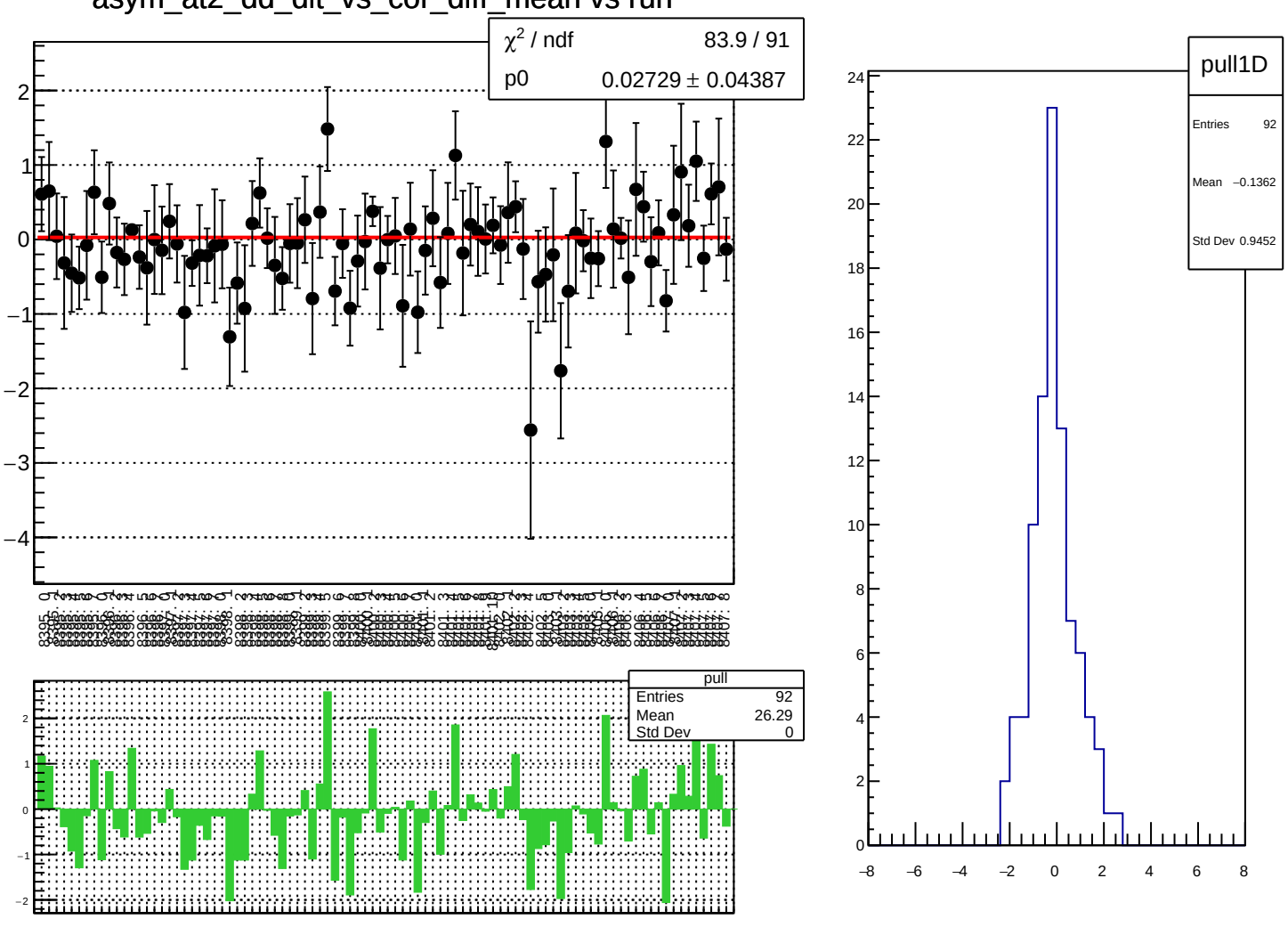

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 93.68 / 91
p0 537.7 ± 3341
100
50
0
−50
−100
pull
Entries 92
Mean 1333
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

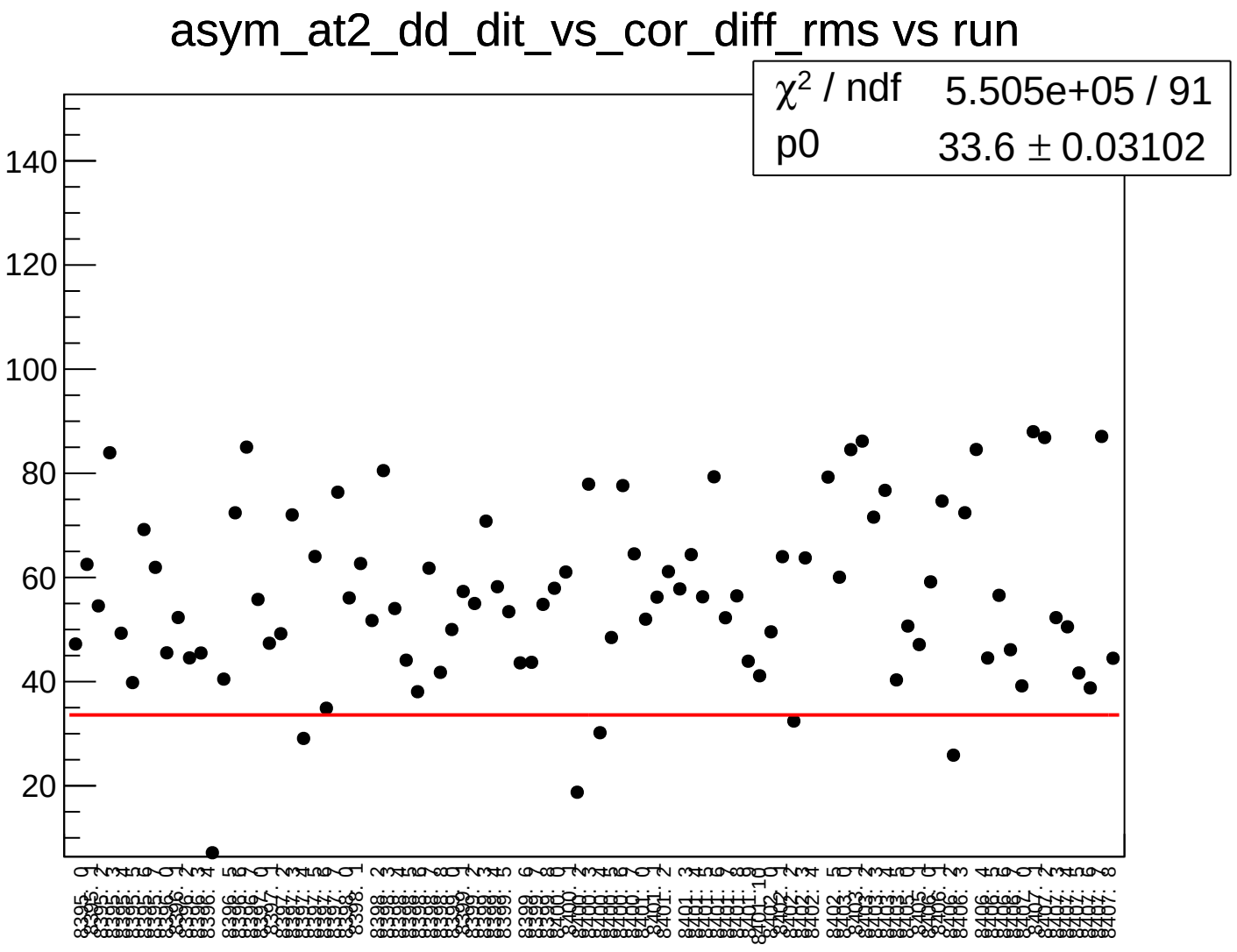

pull1D
Entries 92
Mean 0.001014
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

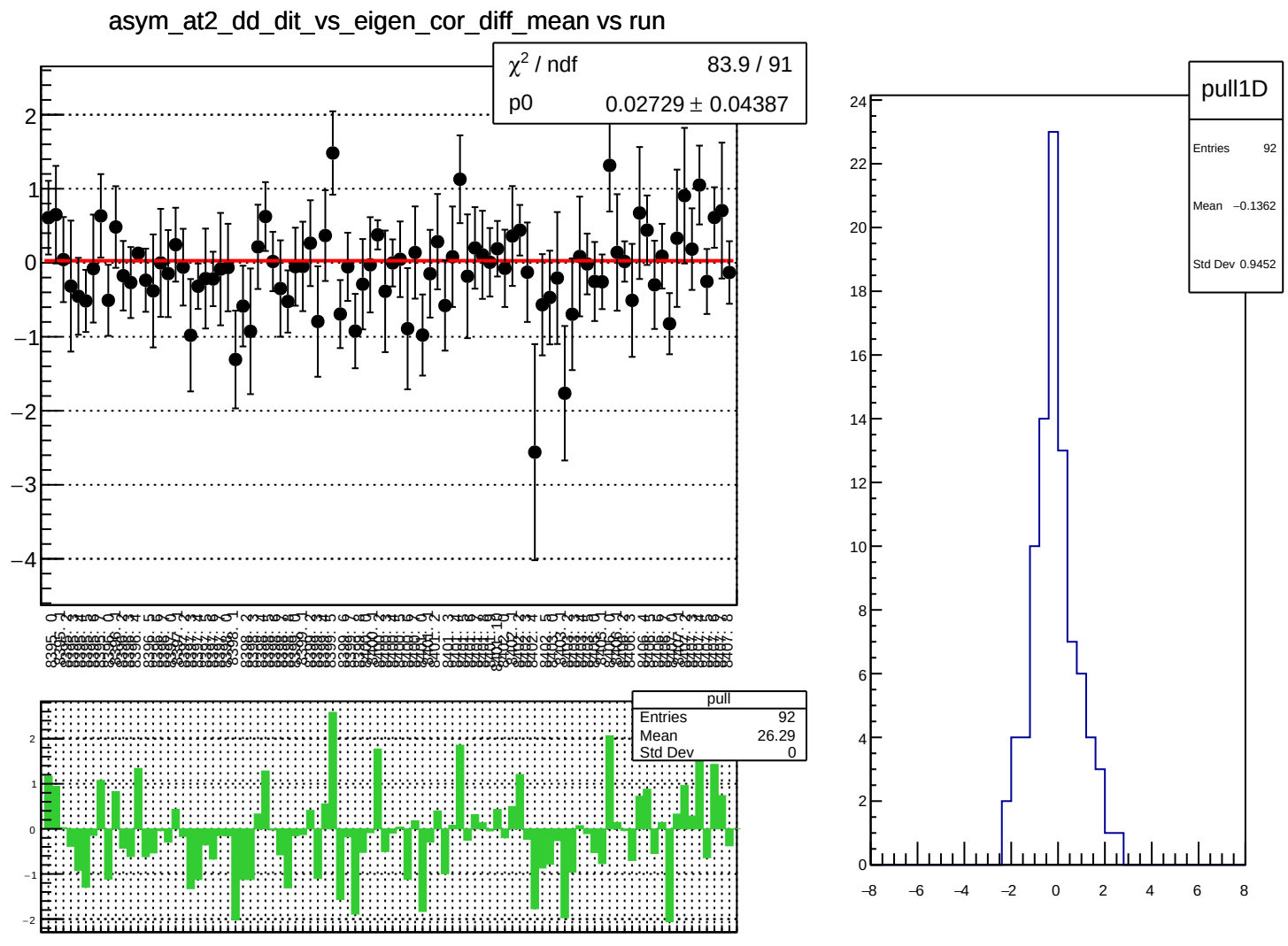

asym_at2_dd_rms vs run
$\chi^2$ / ndf 3821 / 91
p0 3098 ± 2.363
3500
3400
3300
3200
3100
3000
2900

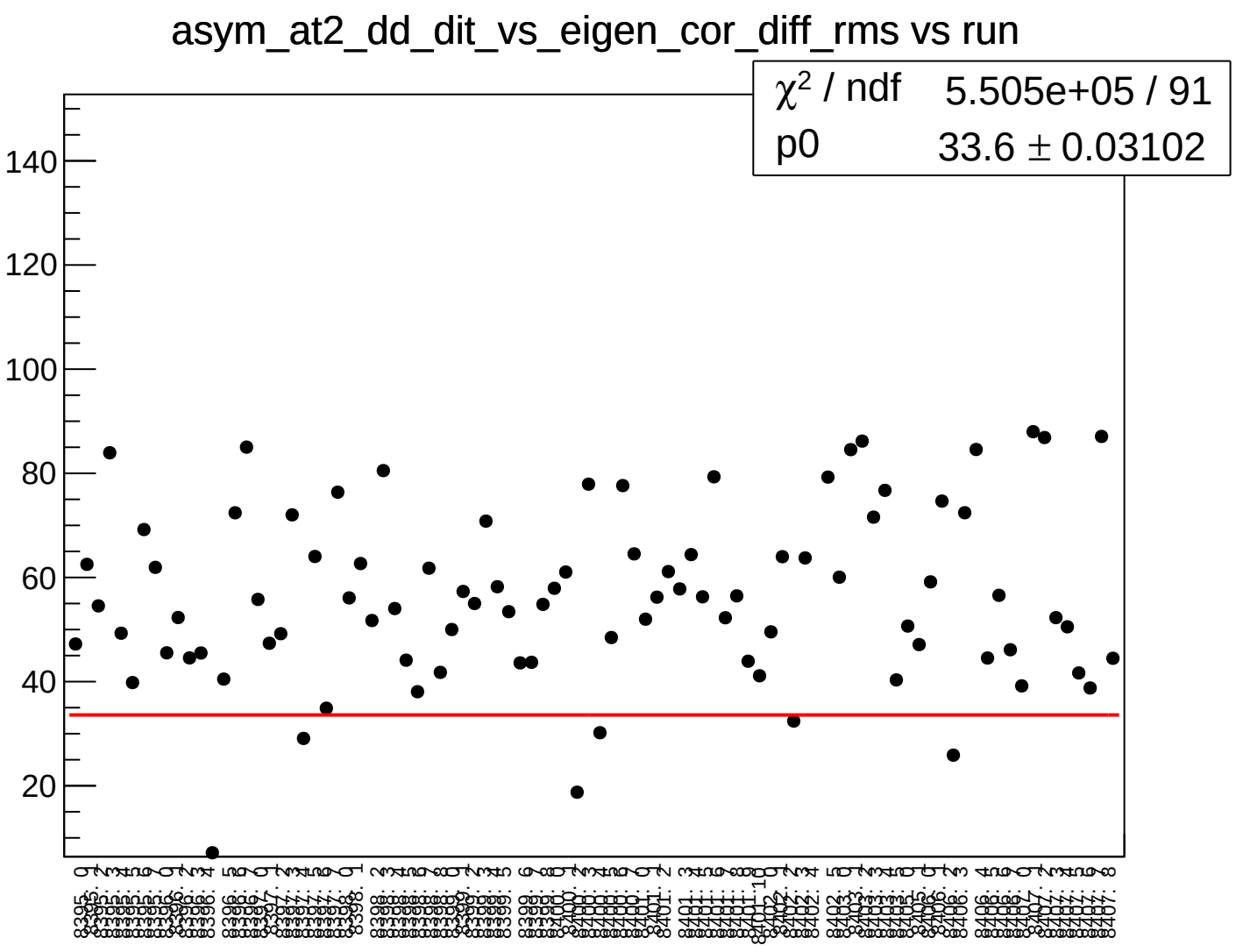

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.57 / 91
p0 −4.835e−13 ± 2.927e−13
pull
Entries 92
Mean 62.18
Std Dev 0
pull1D
Entries 92
Mean 0.02289
Std Dev 0.918

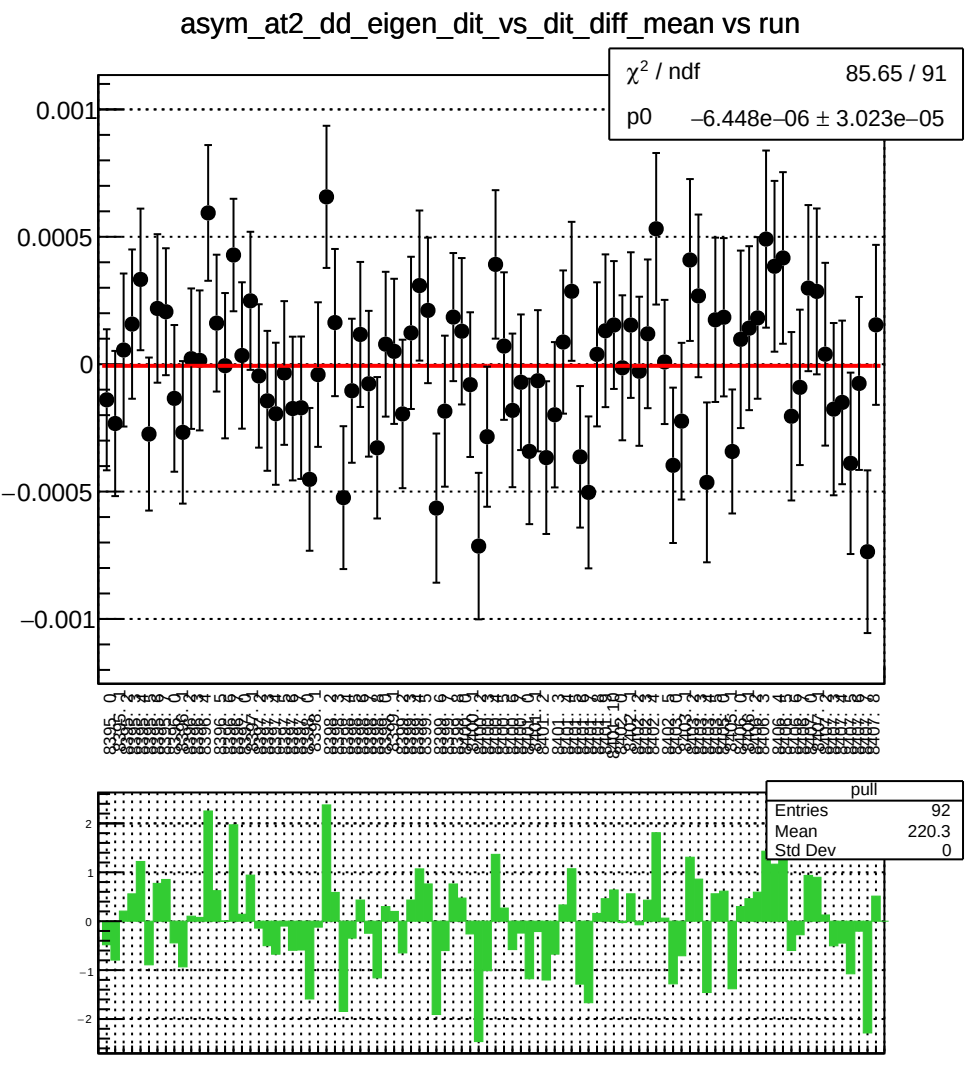

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.003e+06 / 91
p0 1.757e−10 ± 2.07e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

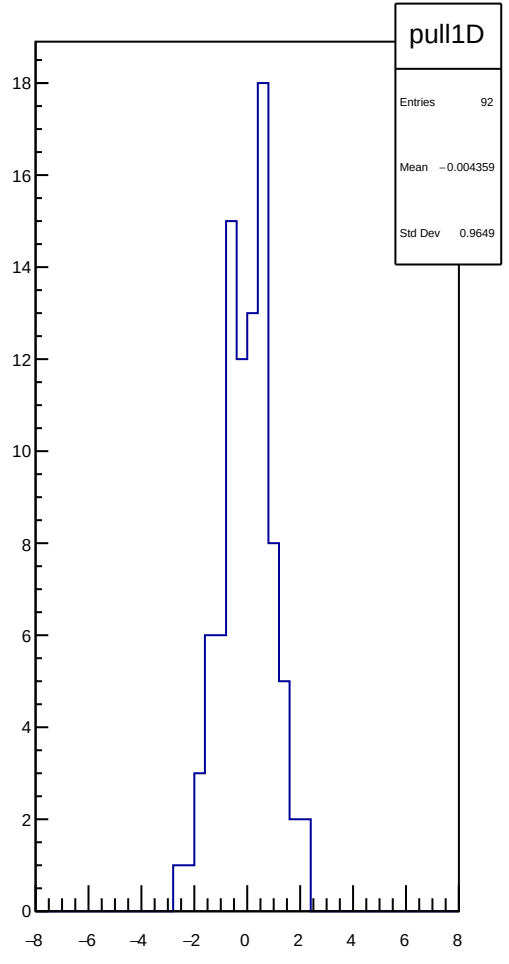

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.9 / 91
p0 0.02729 ± 0.04387
pull
Entries 92
Mean 26.29
Std Dev 0
pull1D
Entries 92
Mean −0.1362
Std Dev 0.9452

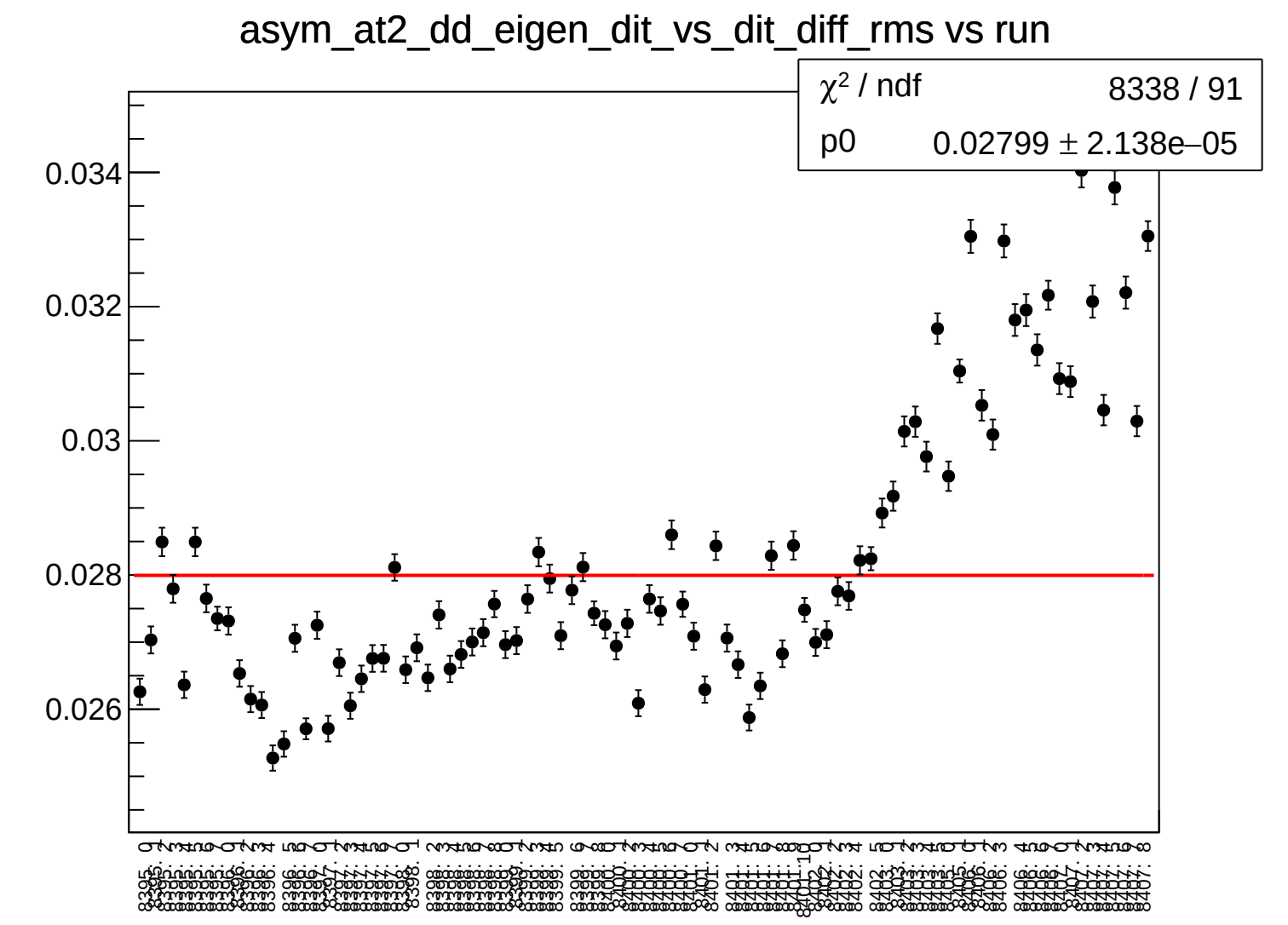

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.505e+05 / 91
p0 33.6 ± 0.03102
140
120
100
80
60
40
20

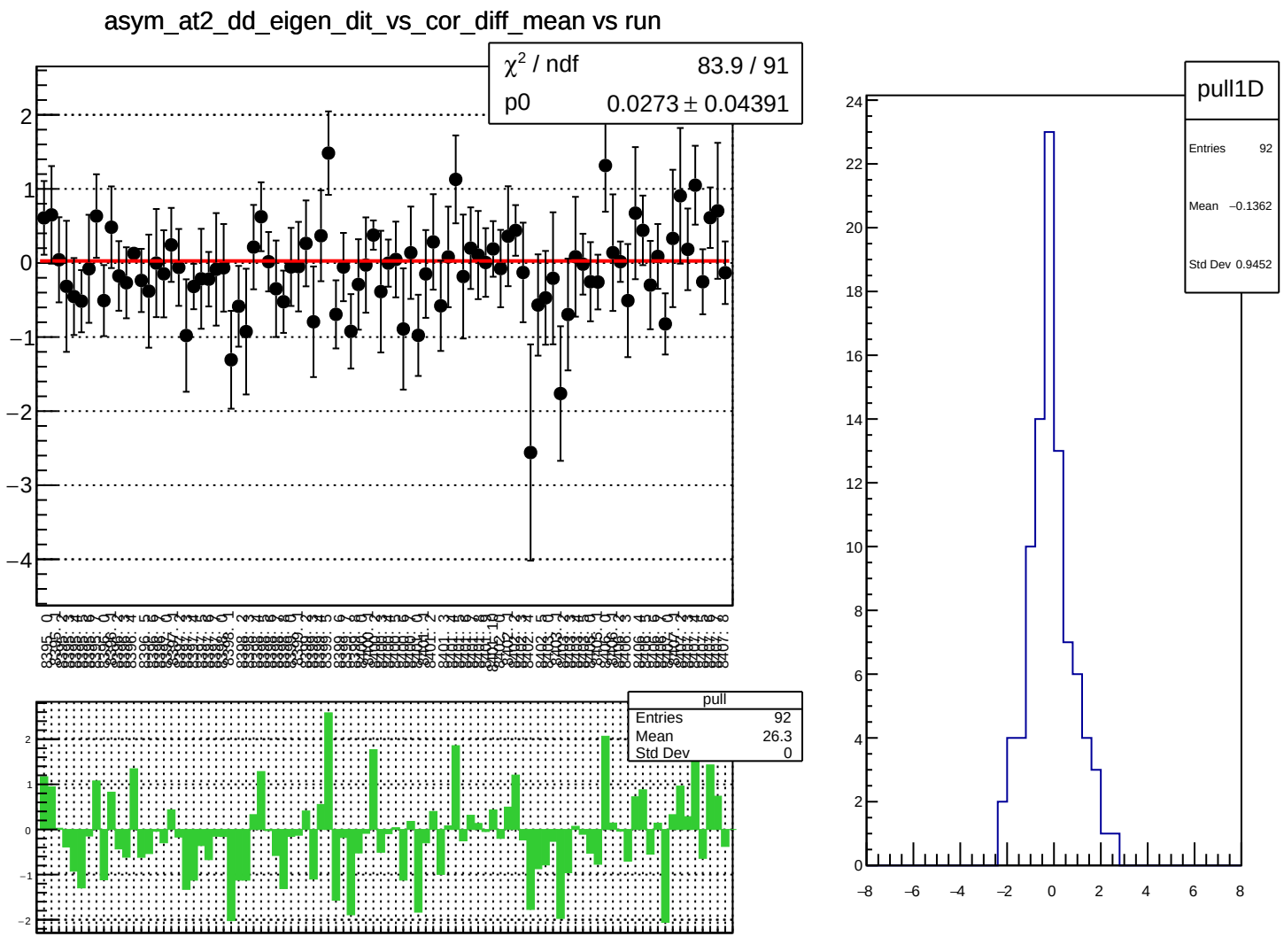

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.9 / 91
p0 0.02729 ± 0.04387
pull
Entries 92
Mean 26.29
Std Dev 0
pull1D
Entries 92
Mean −0.1362
Std Dev 0.9452

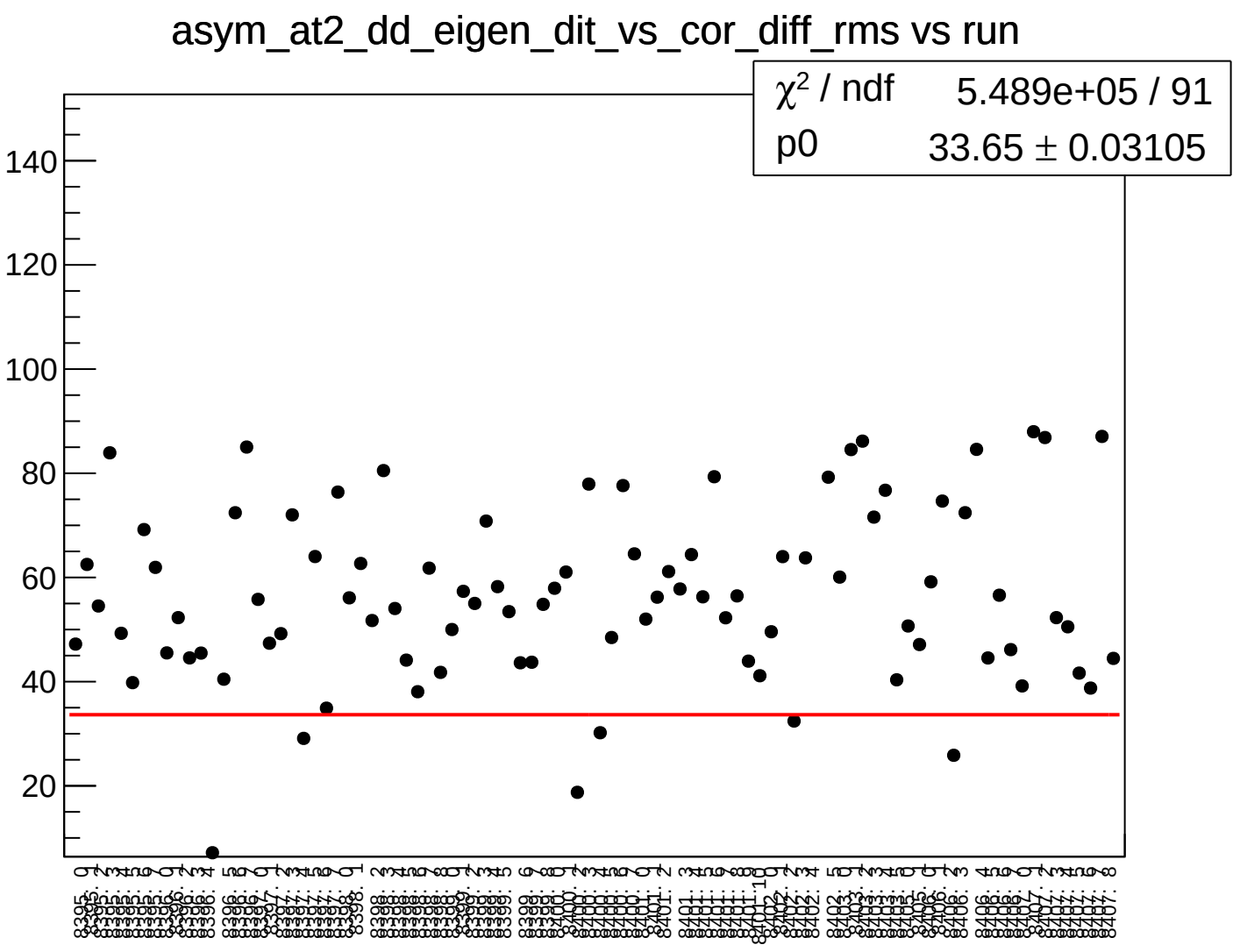

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.505e+05 / 91
p0 33.6 ± 0.03102
140
120
100
80
60
40
20

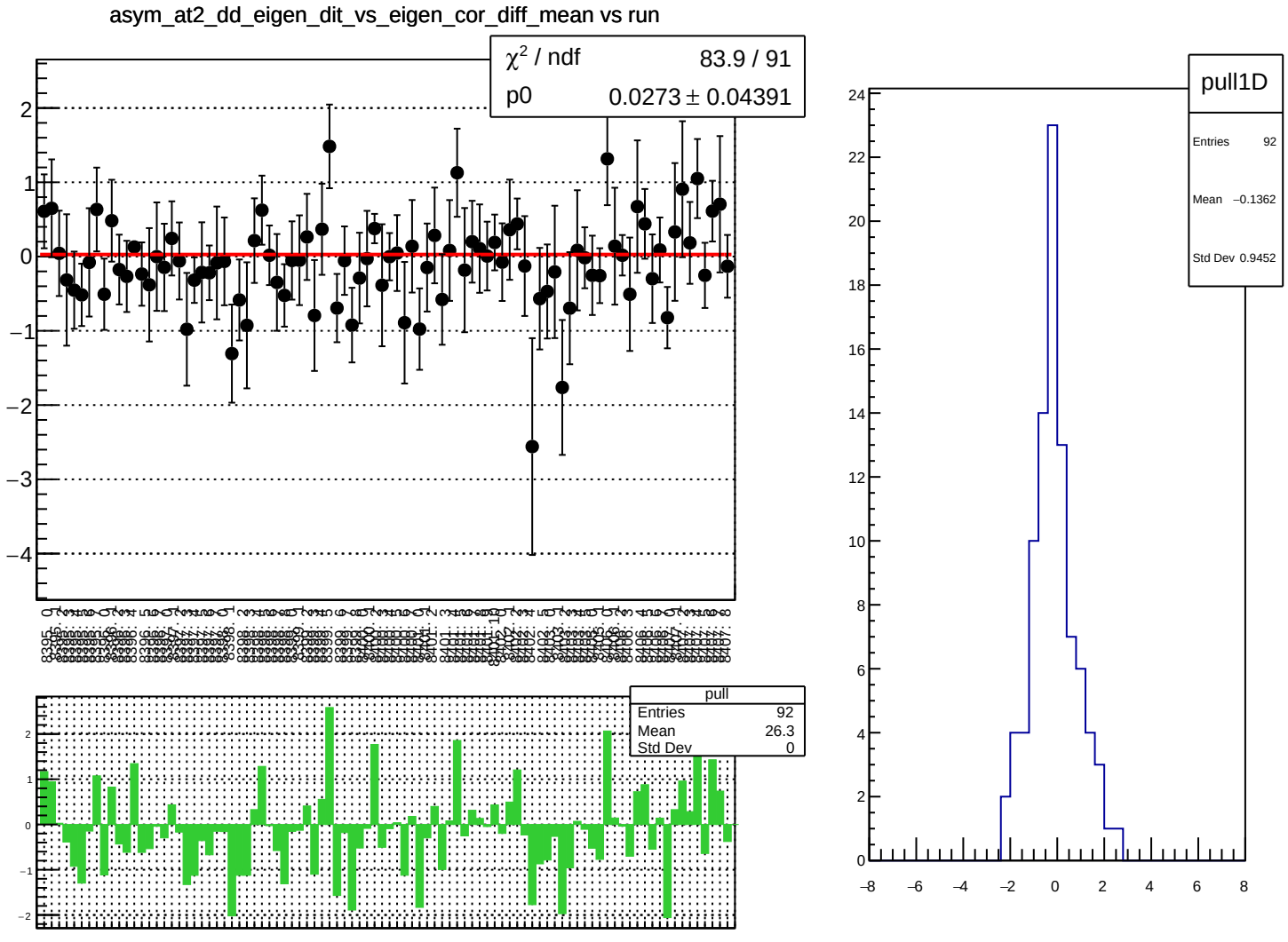

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 85.65 / 91
p0 −6.448e−06 ± 3.023e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 220.3
Std Dev 0
2
1
0
−1
−2

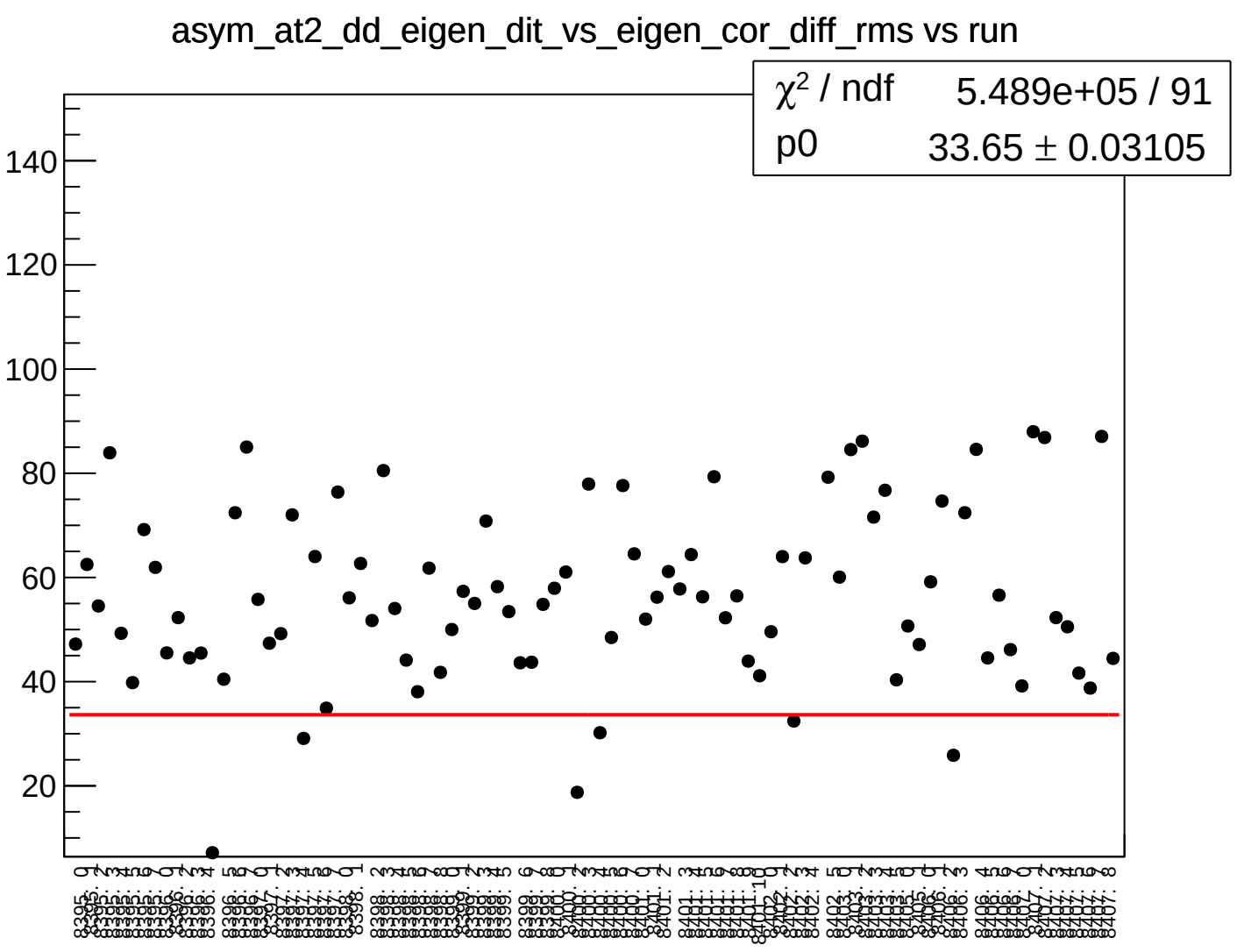

pull1D
Entries 92
Mean −0.004359
Std Dev 0.9649
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

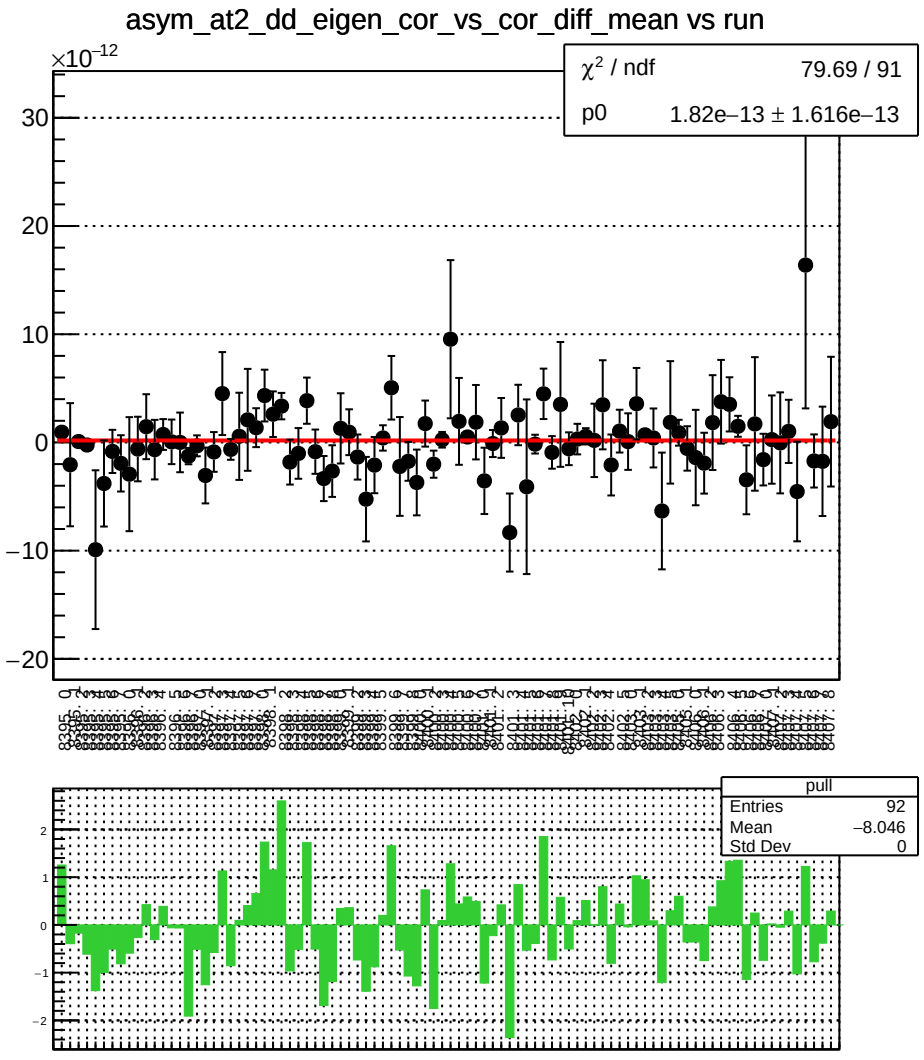

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8338 / 91
p0 0.02799 ± 2.138e–05
0.034
0.032
0.03
0.028
0.026

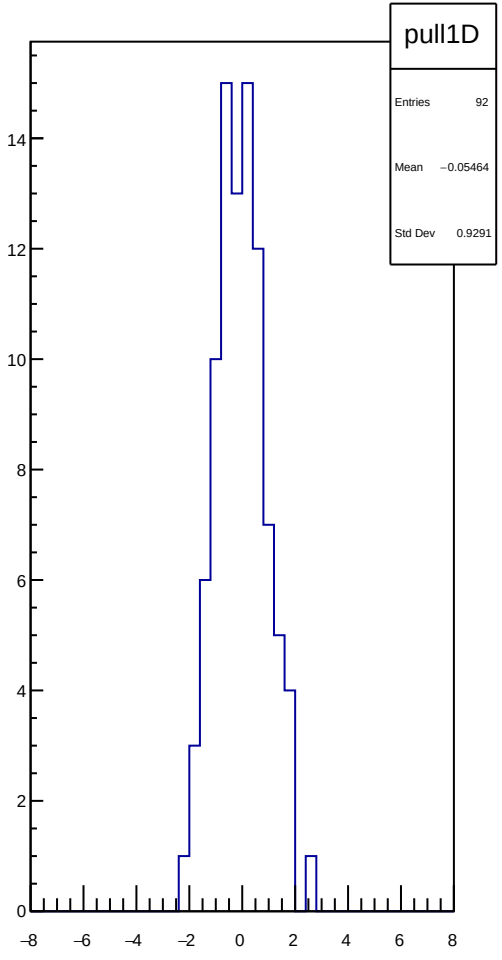

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.9 / 91
p0 0.0273 ± 0.04391
pull
Entries 92
Mean 26.3
Std Dev 0
pull1D
Entries 92
Mean −0.1362
Std Dev 0.9452

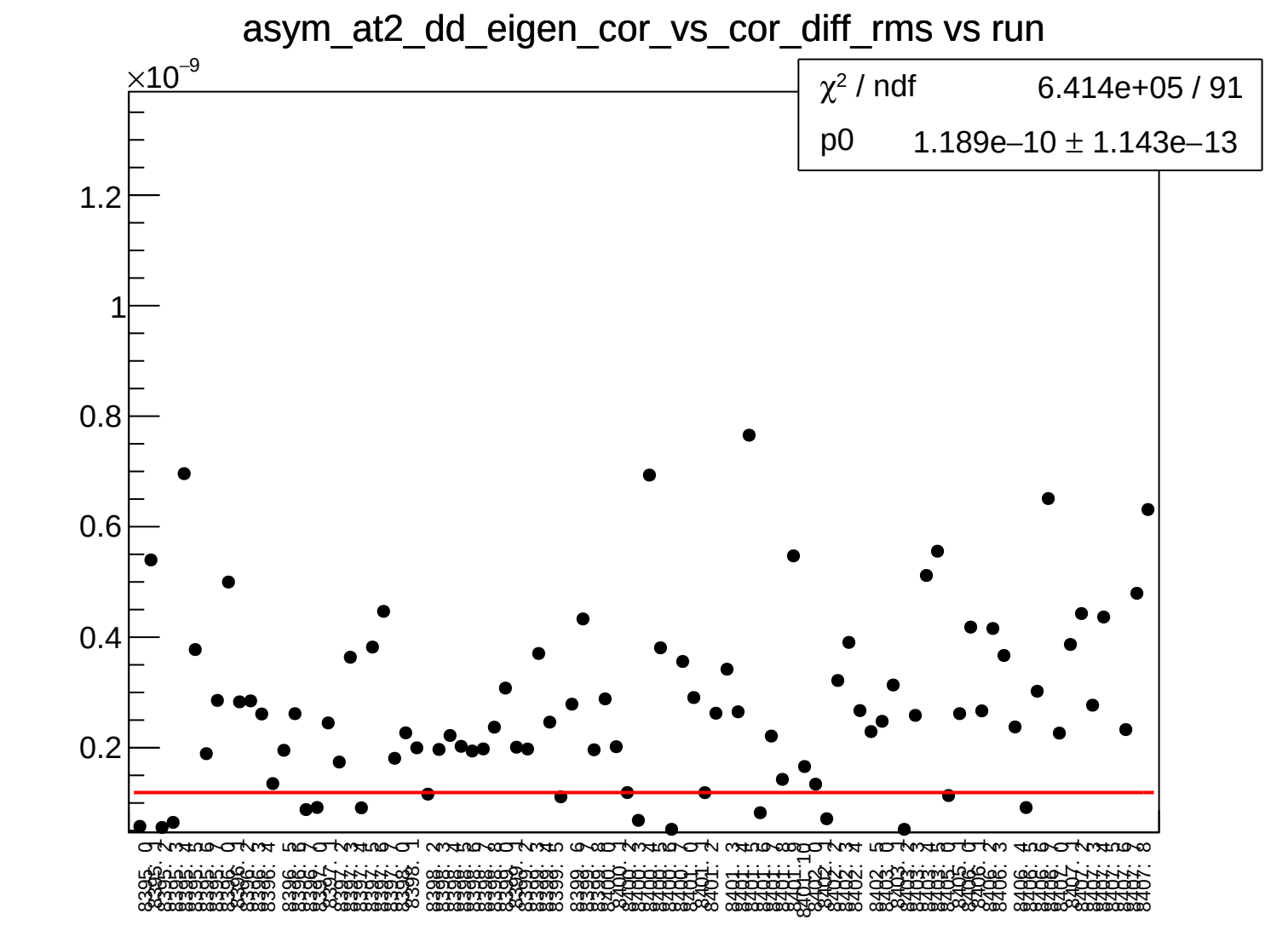

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.489e+05 / 91
p0 33.65 ± 0.03105
140
120
100
80
60
40
20

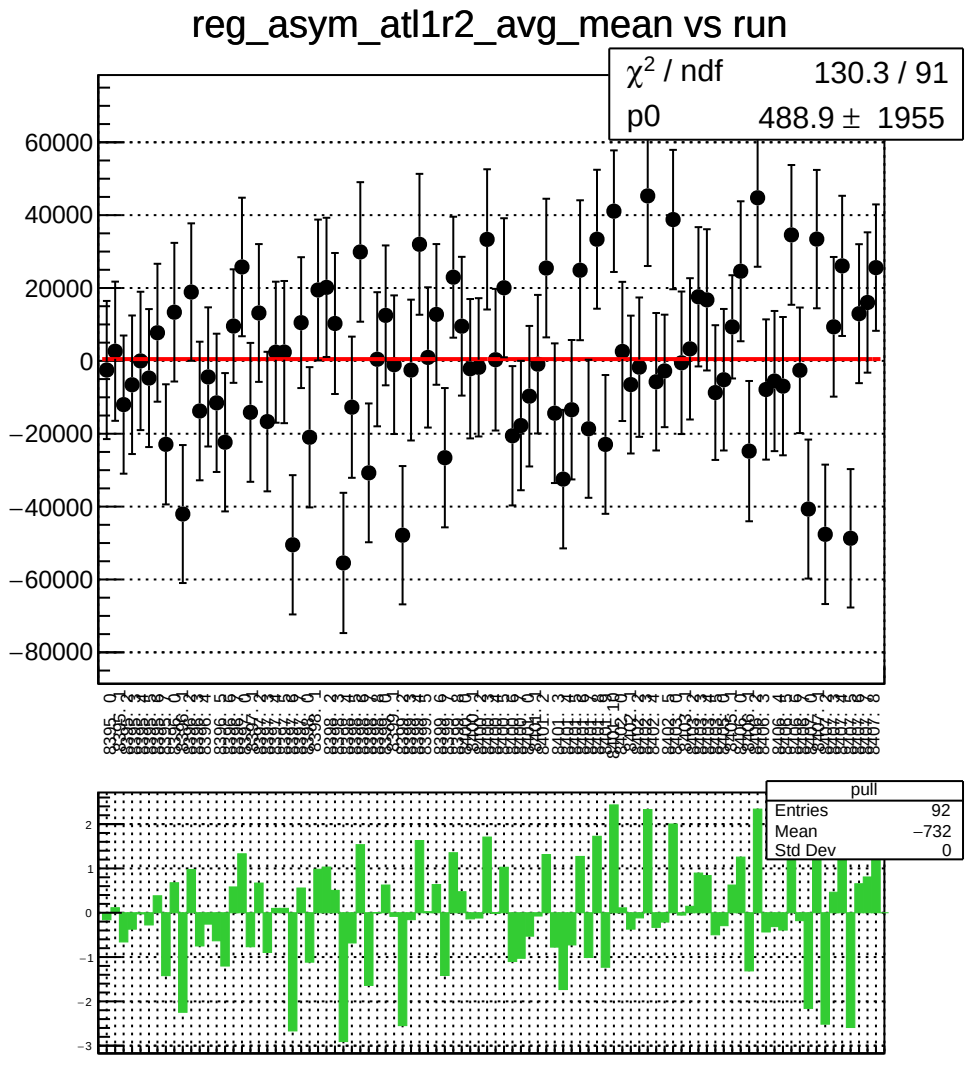

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.9 / 91
p0 0.0273 ± 0.04391
pull
Entries 92
Mean 26.3
Std Dev 0
pull1D
Entries 92
Mean −0.1362
Std Dev 0.9452

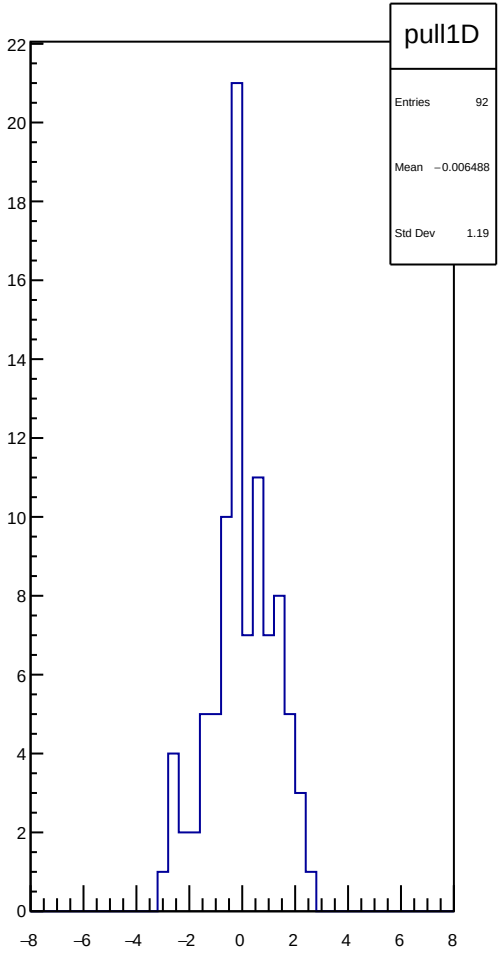

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.489e+05 / 91
p0 33.65 ± 0.03105
140
120
100
80
60
40
20

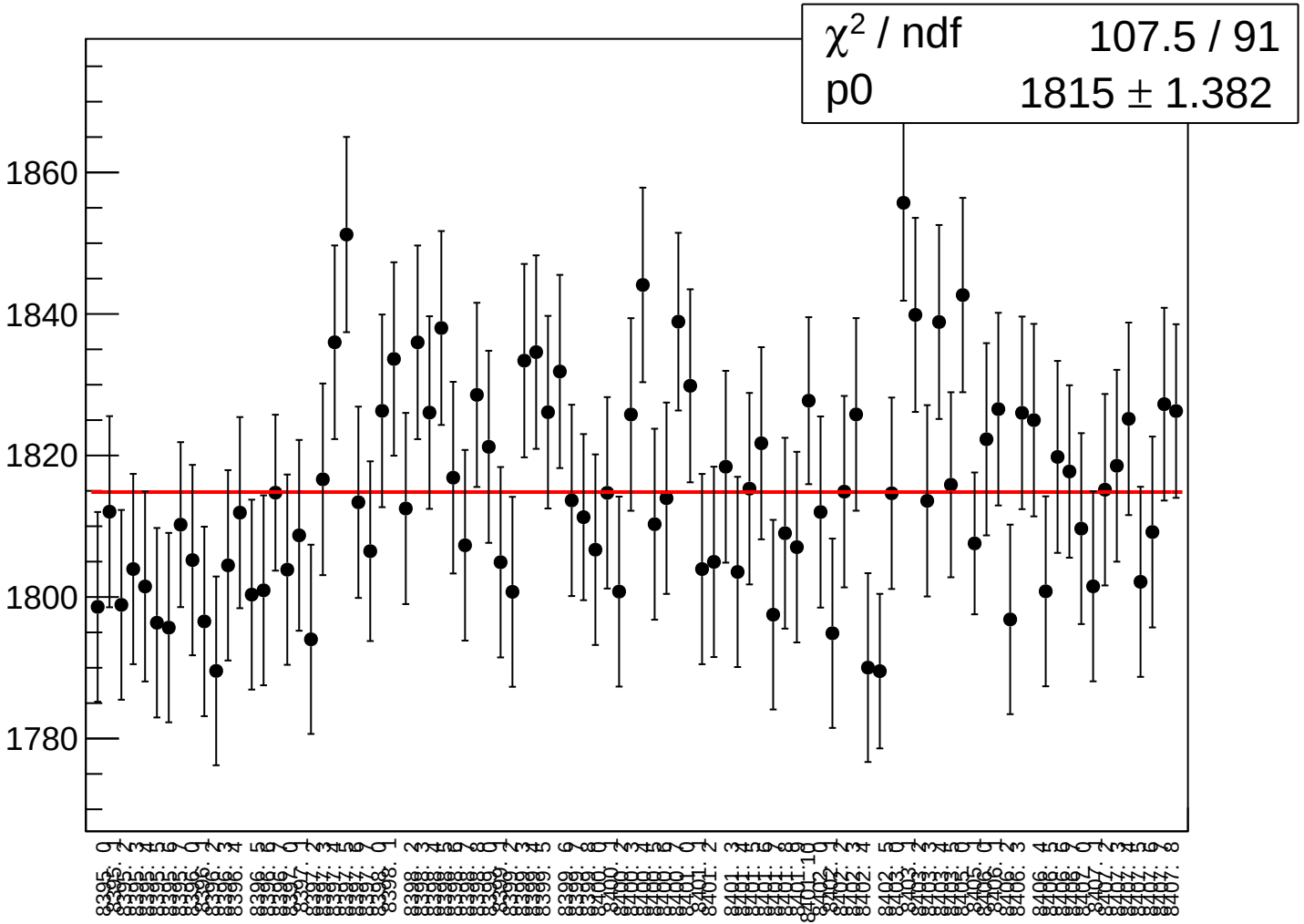

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.69 / 91
p0 1.82e−13 ± 1.616e−13
pull
Entries 92
Mean −8.046
Std Dev 0

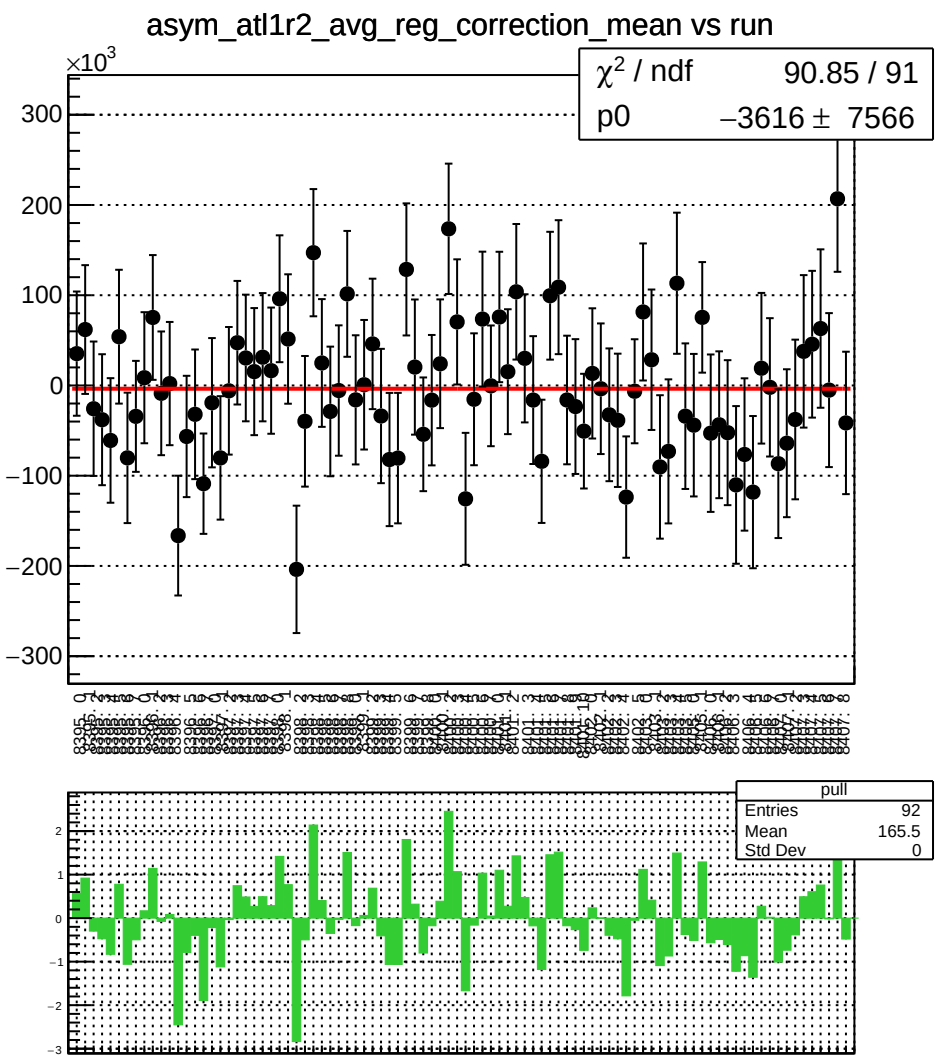

pull1D
Entries 92
Mean −0.05464
Std Dev 0.9291

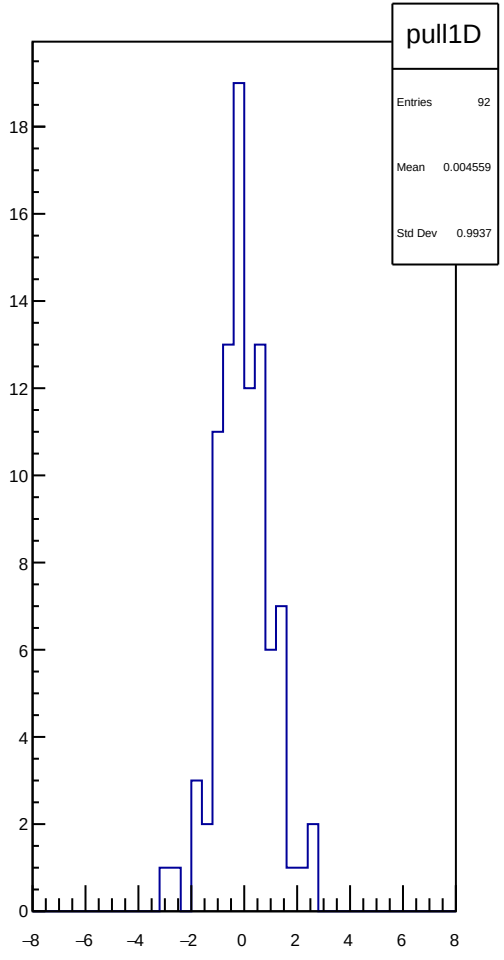

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.414e+05 / 91
p0 1.189e−10 ± 1.143e−13
1.2
1
0.8
0.6
0.4
0.2

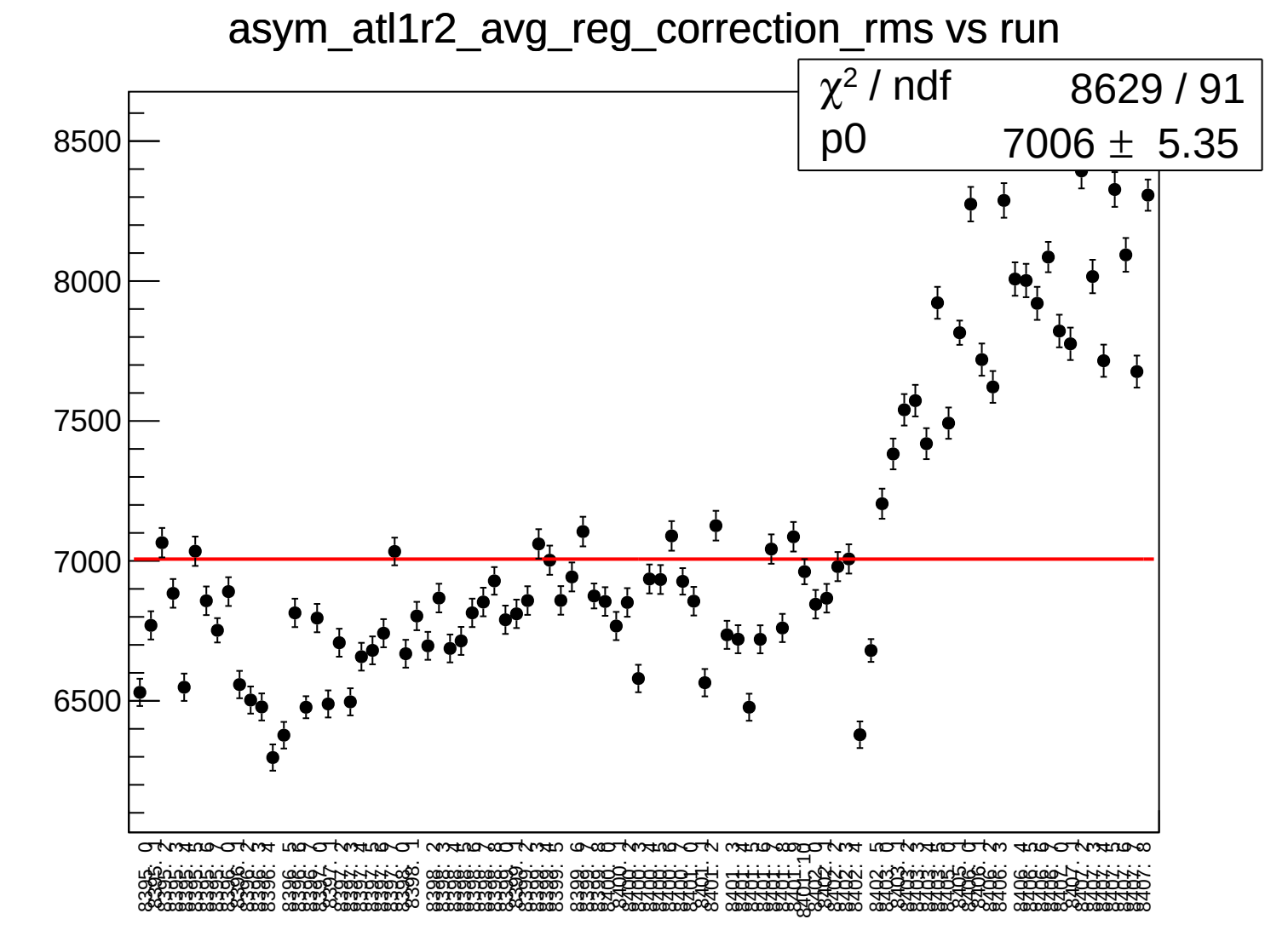

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 130.3 / 91
p0 488.9 ± 1955
pull
Entries 92
Mean −732
Std Dev 0

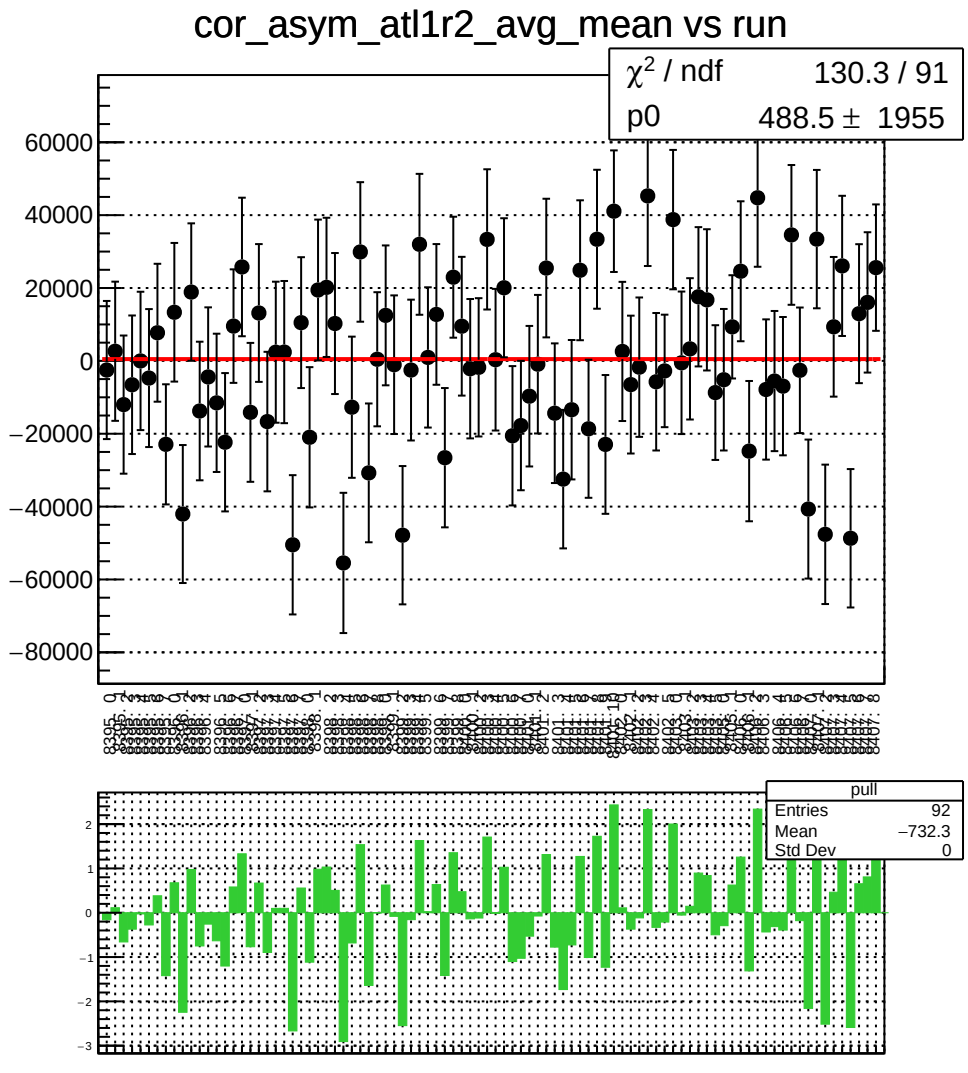

pull1D
Entries 92
Mean −0.006488
Std Dev 1.19

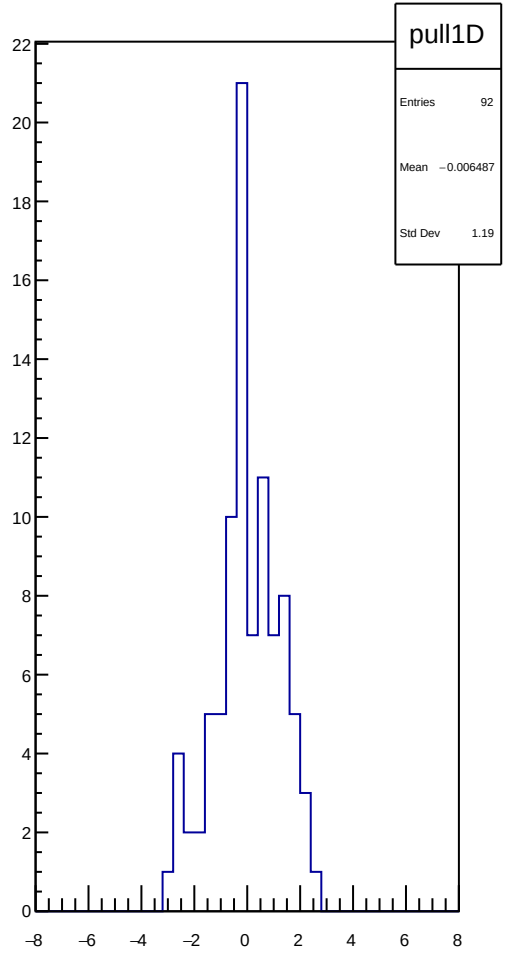

reg_asym_atl1r2_avg_rms vs run
$\chi^2$ / ndf 107.5 / 91
p0 1815 ± 1.382
1860
1840
1820
1800
1780

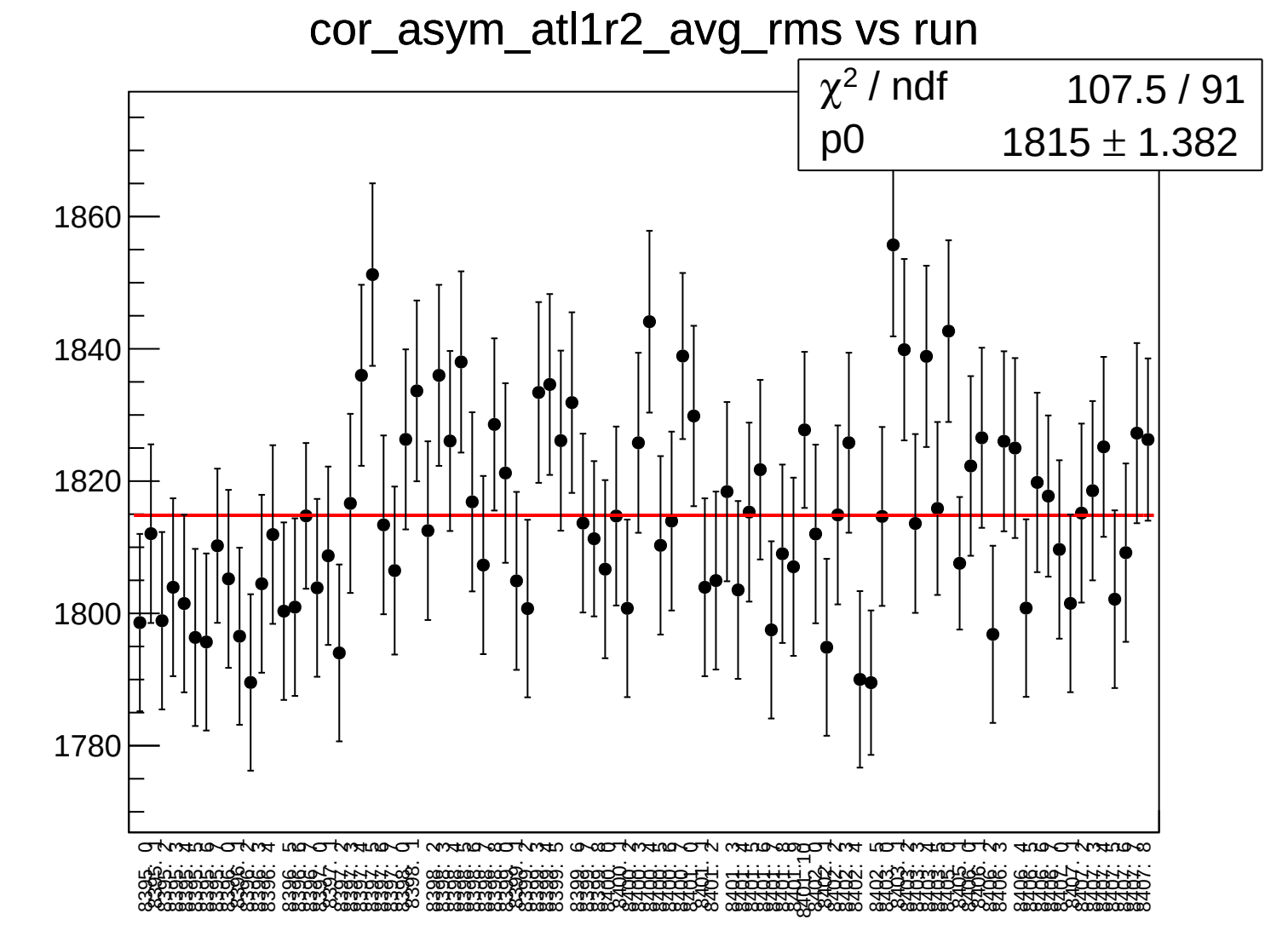

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 90.85 / 91
p0 −3616 ± 7566
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 165.5
Std Dev 0
2
1
0
−1
−2
−3

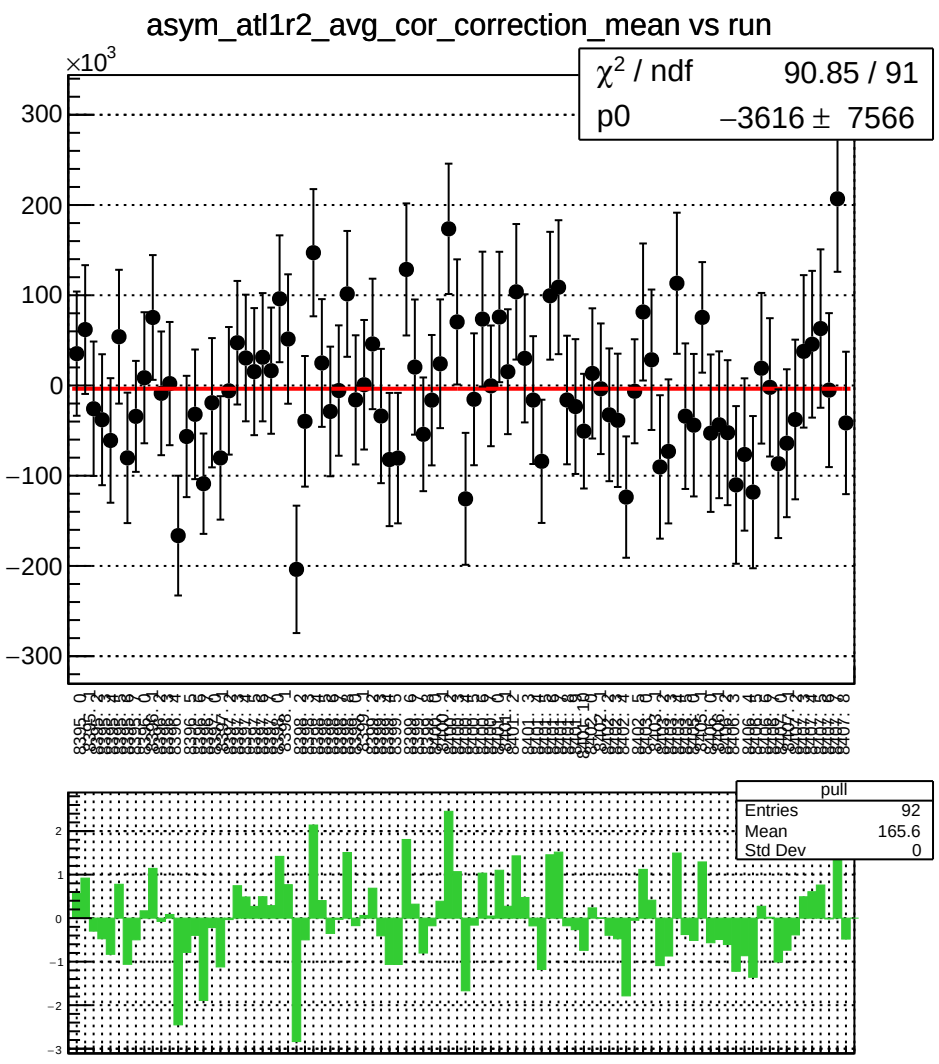

pull1D
Entries 92
Mean 0.004559
Std Dev 0.9937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

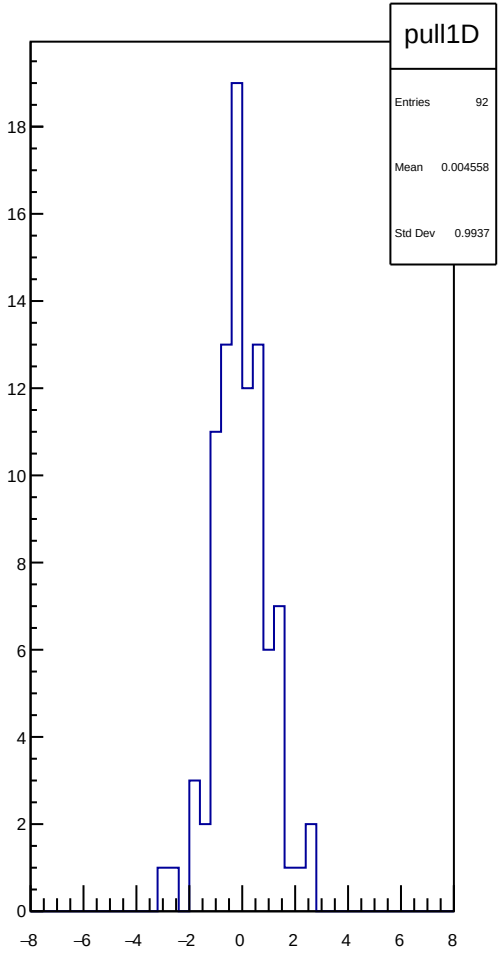

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 8629 / 91
p0 7006 ± 5.35
8500
8000
7500
7000
6500

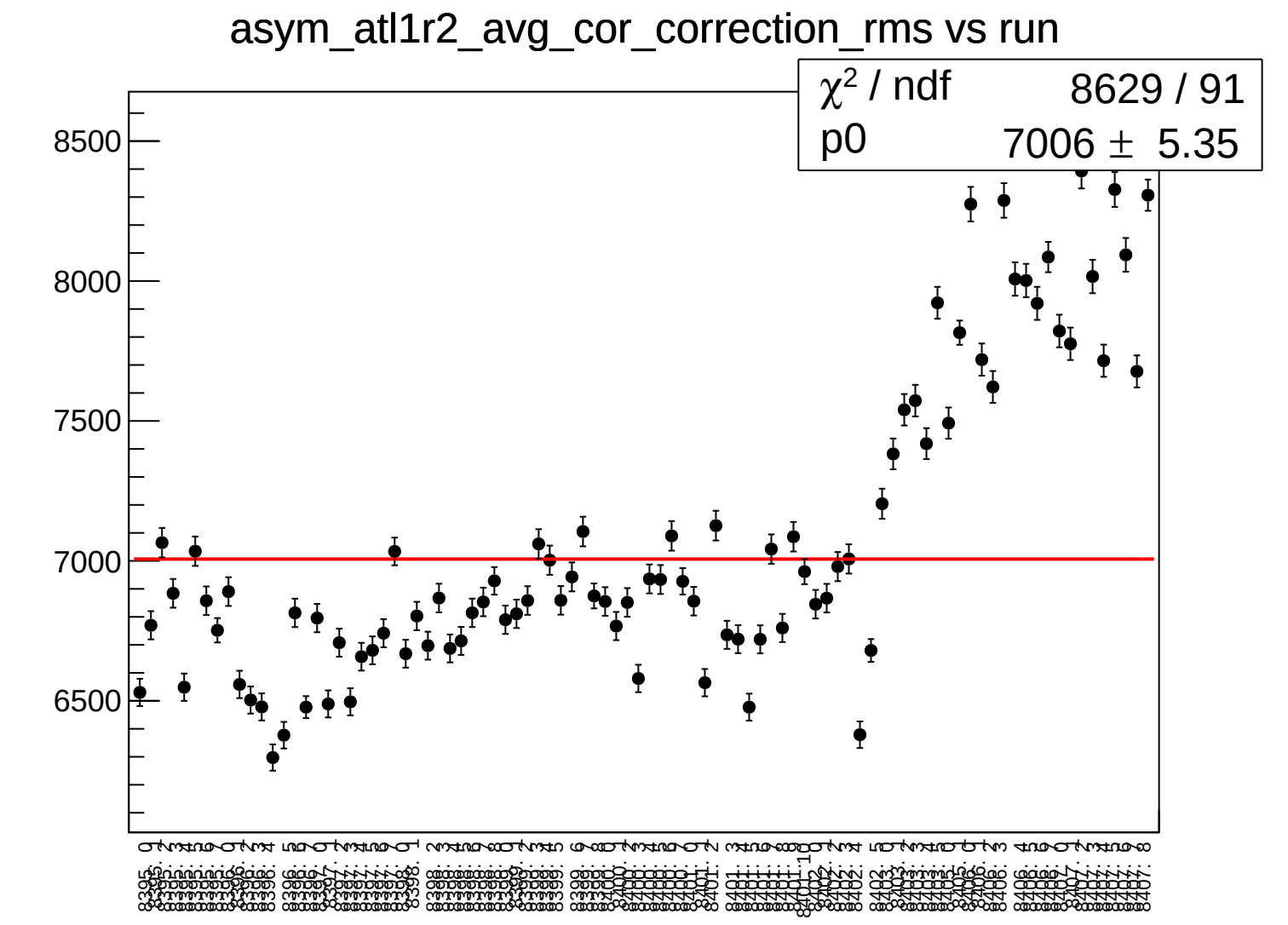

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 130.3 / 91
p0 488.5 ± 1955
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −732.3
Std Dev 0
2
1
0
−1
−2
−3

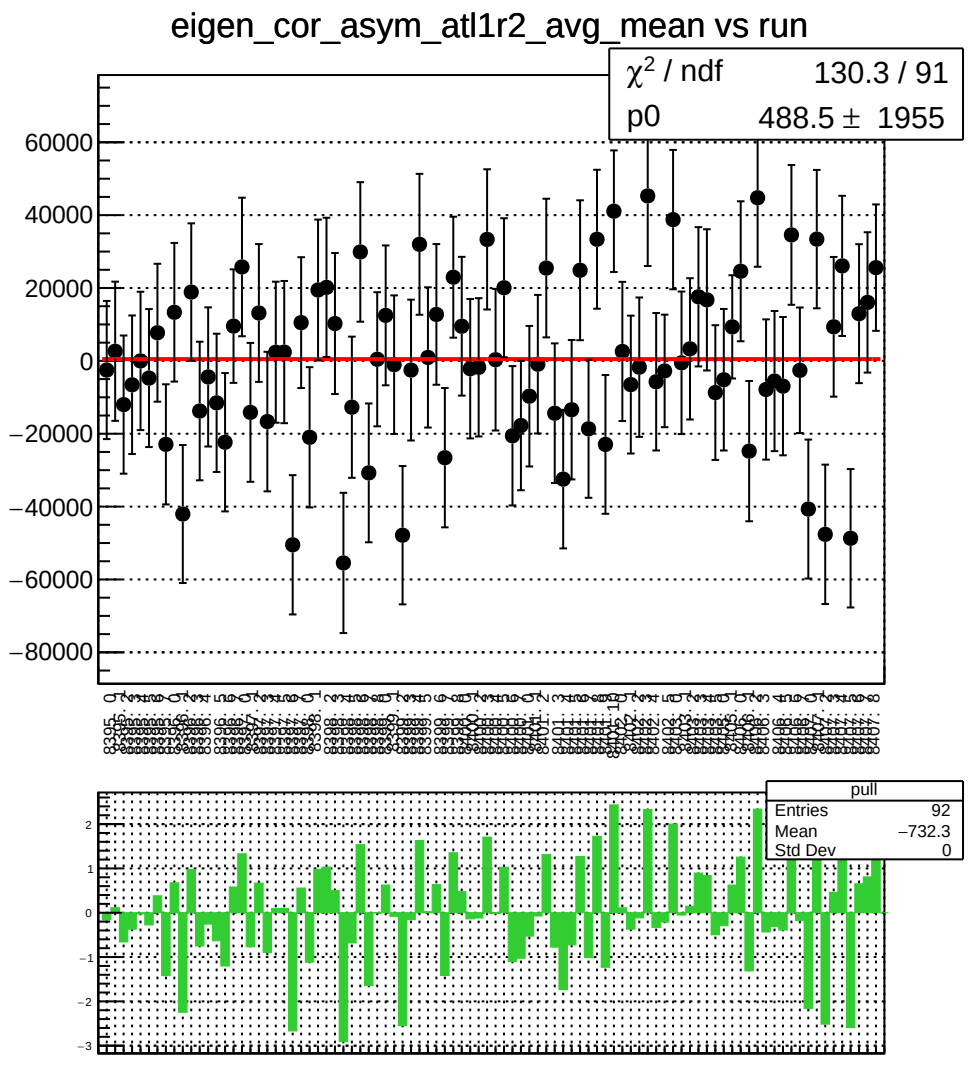

pull1D
Entries 92
Mean −0.006487
Std Dev 1.19
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

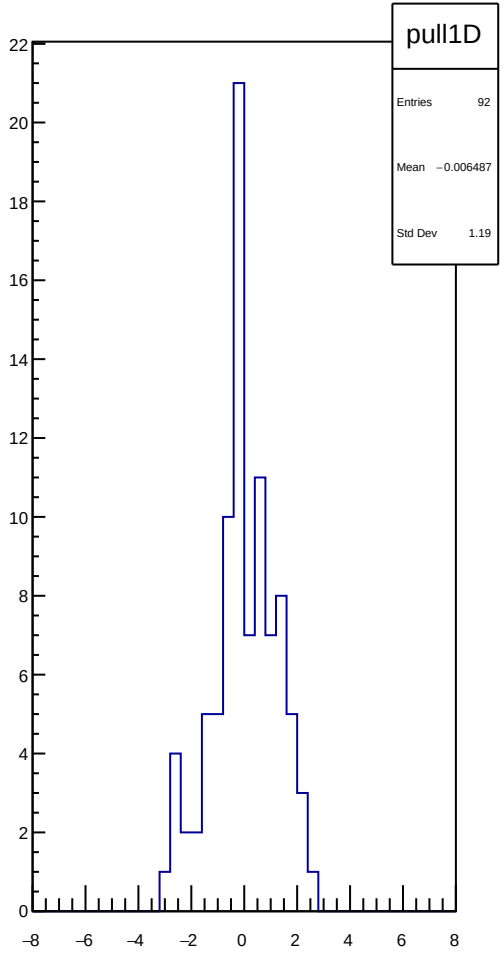

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 107.5 / 91
p0 1815 ± 1.382
1860
1840
1820
1800
1780

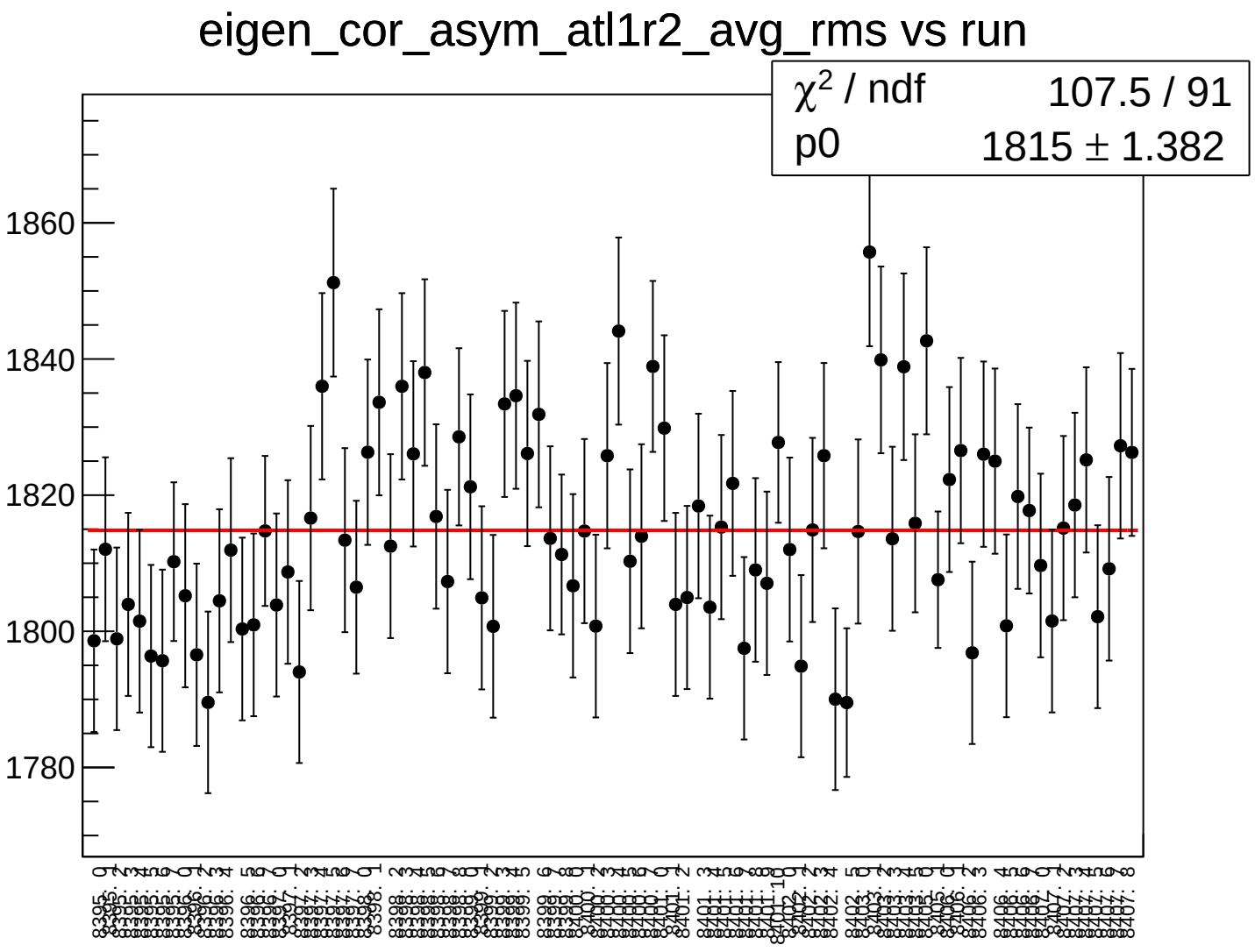

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 90.85 / 91
p0 −3616 ± 7566
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 165.6
Std Dev 0
2
1
0
−1
−2
−3

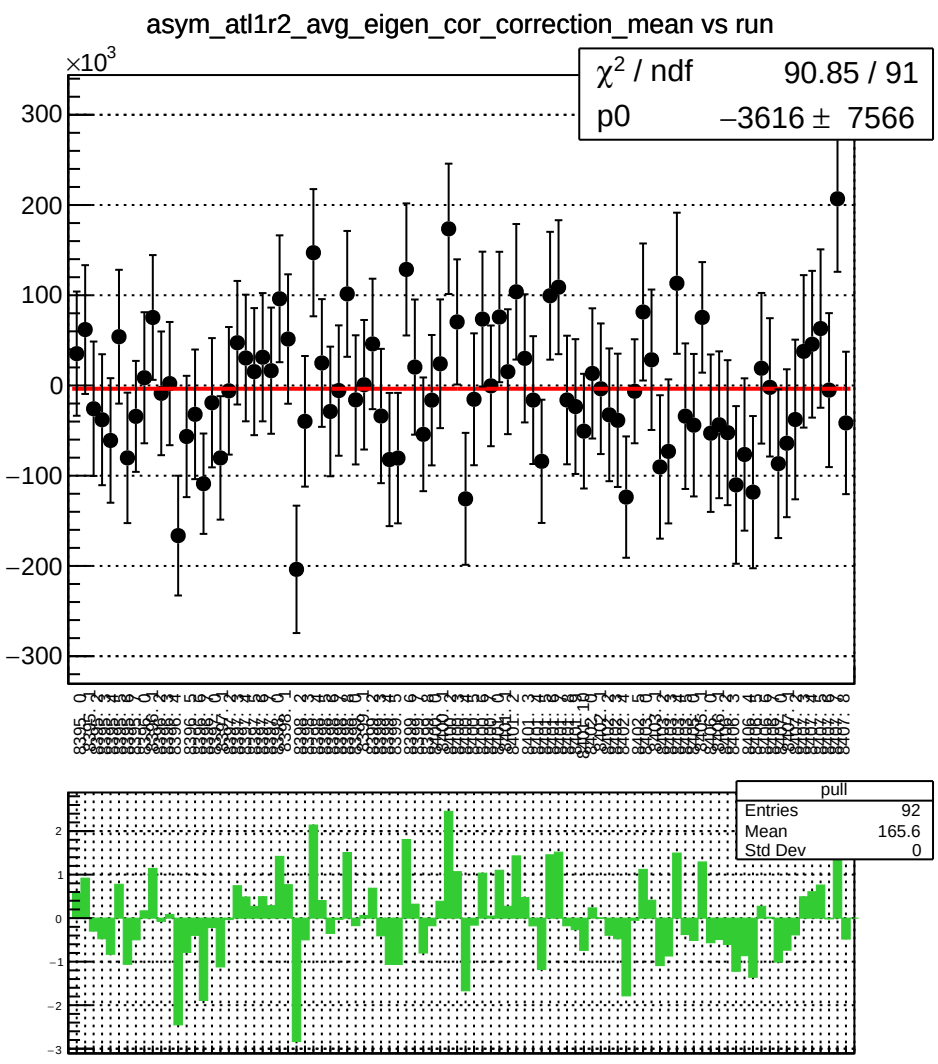

pull1D
Entries 92
Mean 0.004558
Std Dev 0.9937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

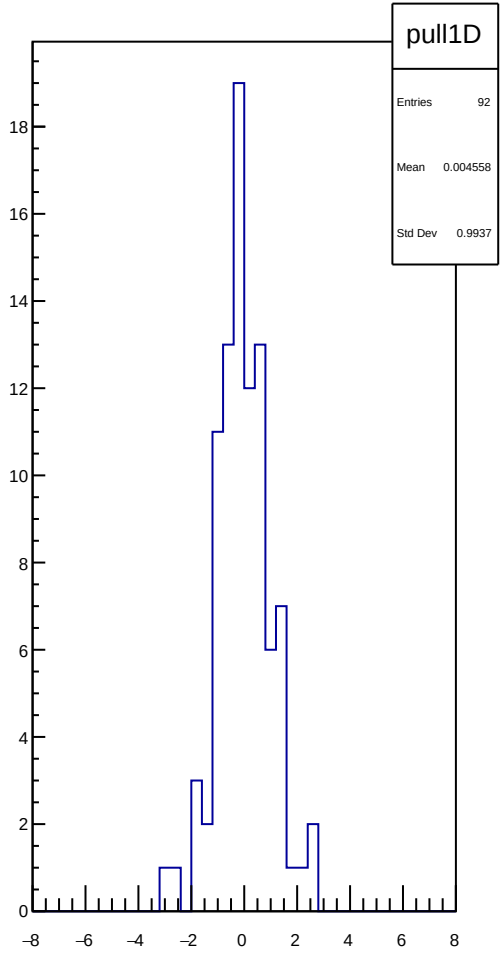

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 8629 / 91
p0 7006 ± 5.35
8500
8000
7500
7000
6500

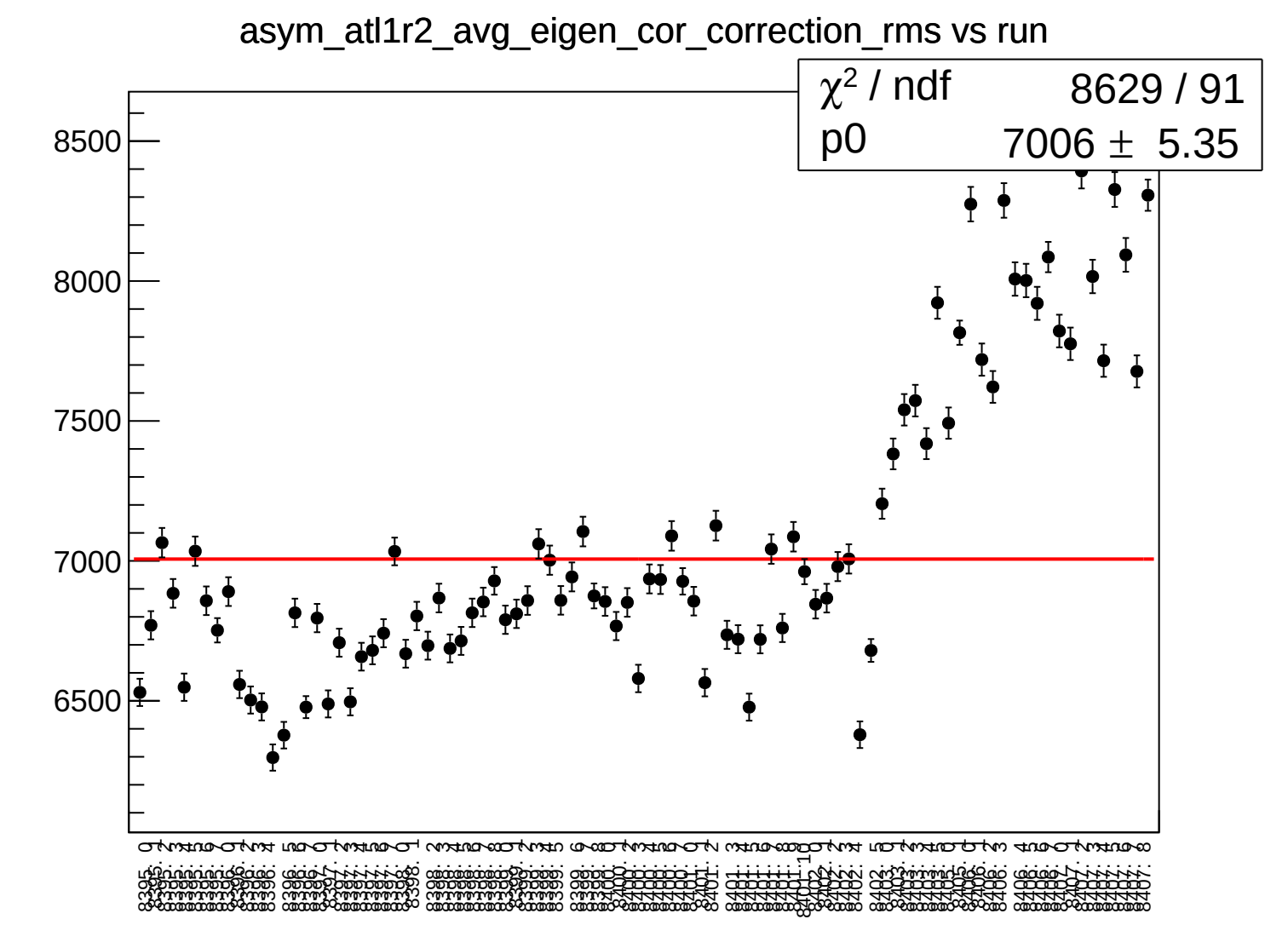

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 130.3 / 91
p0 488.5 ± 1955
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −732.3
Std Dev 0
2
1
0
−1
−2
−3

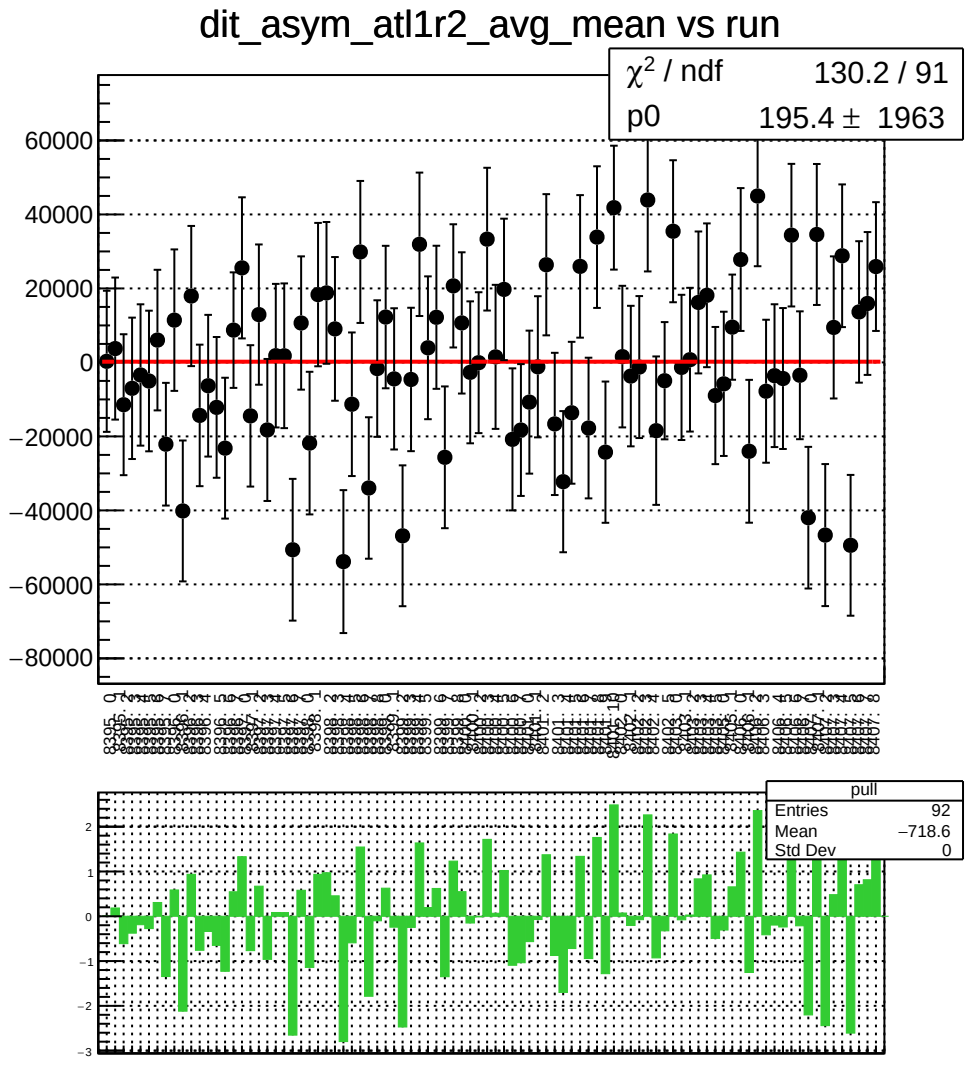

pull1D
Entries 92
Mean −0.006487
Std Dev 1.19
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

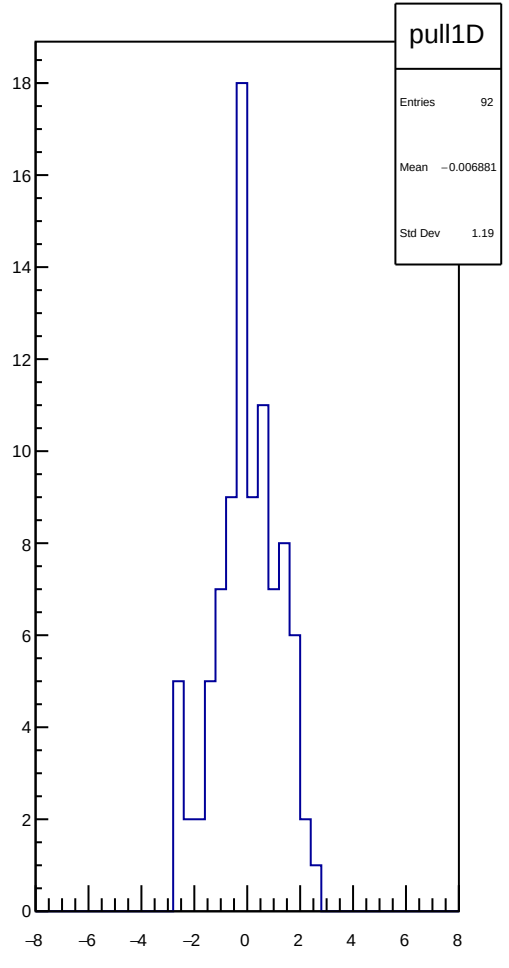

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 107.5 / 91
p0 1815 ± 1.382
1860
1840
1820
1800
1780

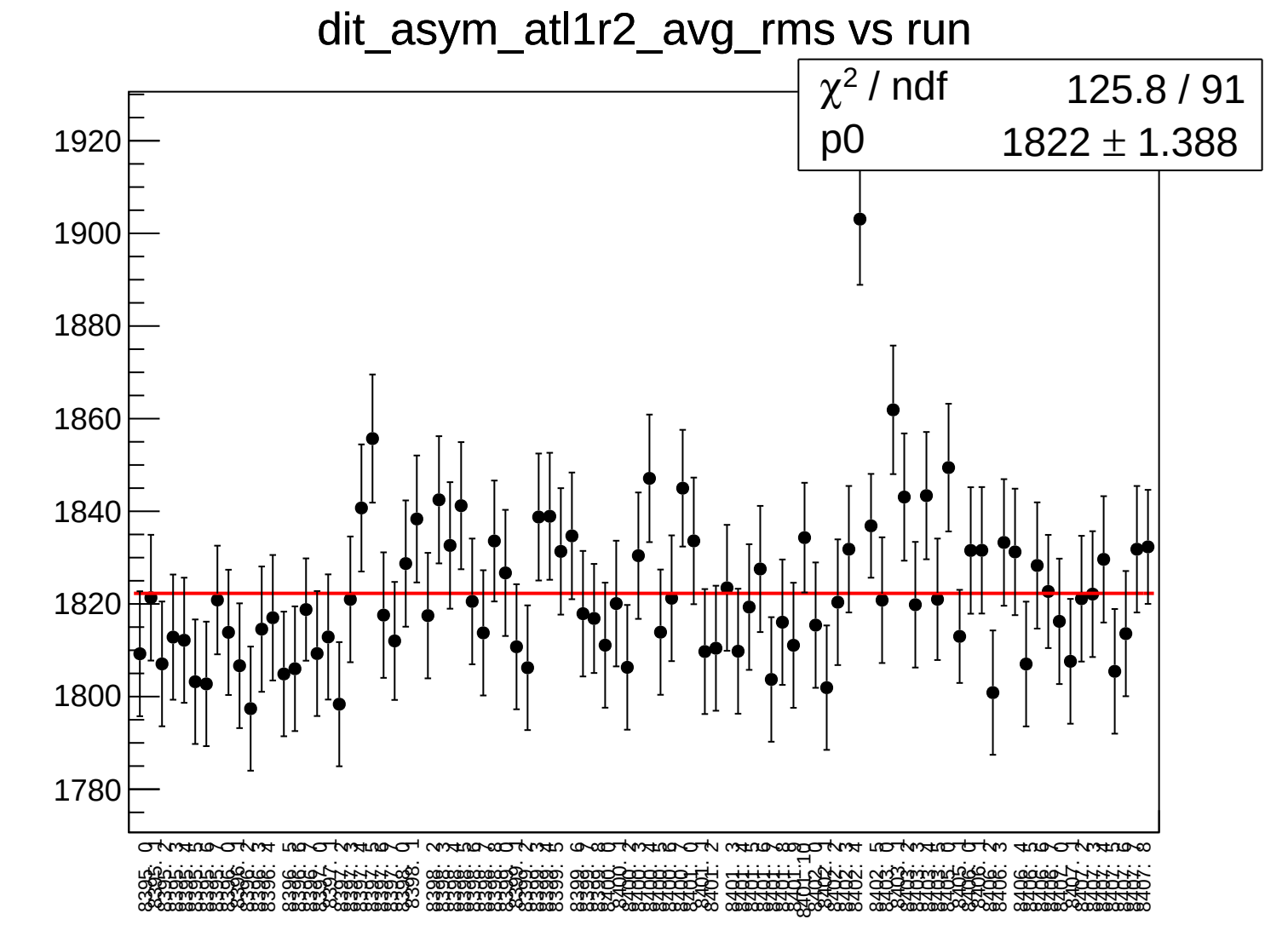

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 90.85 / 91
p0 −3616 ± 7566
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 165.6
Std Dev 0
2
1
0
−1
−2
−3

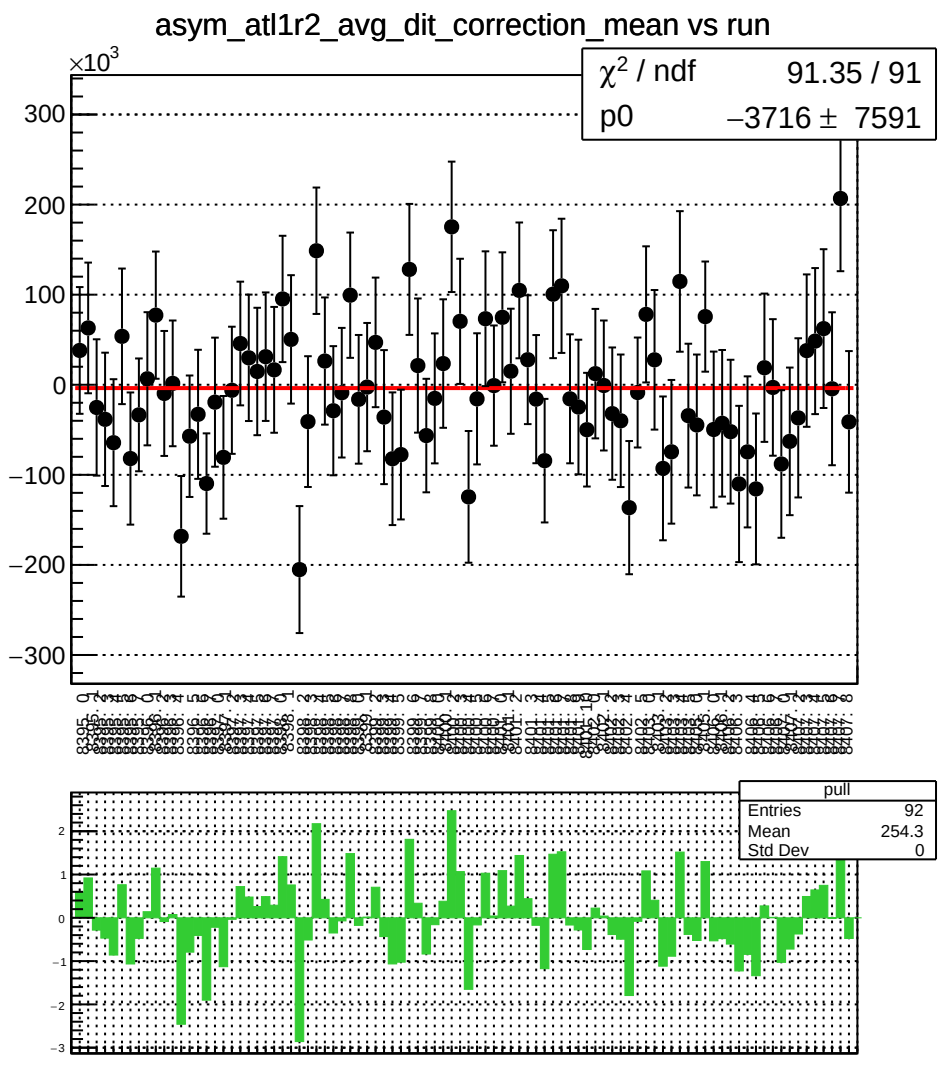

pull1D
Entries 92
Mean 0.004558
Std Dev 0.9937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

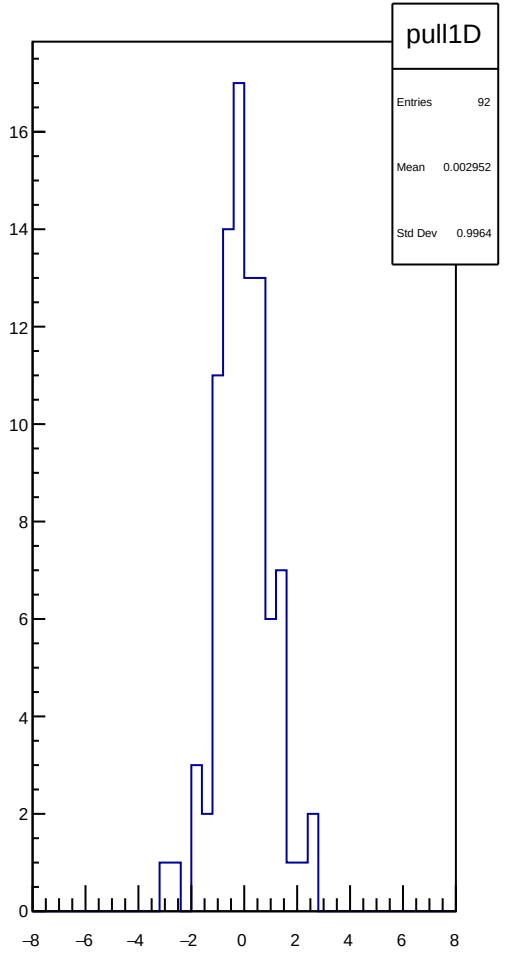

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8629 / 91
p0 7006 ± 5.35
8500
8000
7500
7000
6500


dit_asym_atl1r2_avg_mean vs run
χ² / ndf 130.2 / 91
p0 195.4 ± 1963
pull
Entries 92
Mean −718.6
Std Dev 0


pull1D
Entries 92
Mean −0.006881
Std Dev 1.19


dit_asym_atl1r2_avg_rms vs run
$\chi^2$ / ndf 125.8 / 91
p0 1822 ± 1.388
1920
1900
1880
1860
1840
1820
1800
1780


asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 91.35 / 91
p0 −3716 ± 7591
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 254.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 92
Mean 0.002952
Std Dev 0.9964
16
14
12
10
8
6
4
2
0
−8
−6
−4
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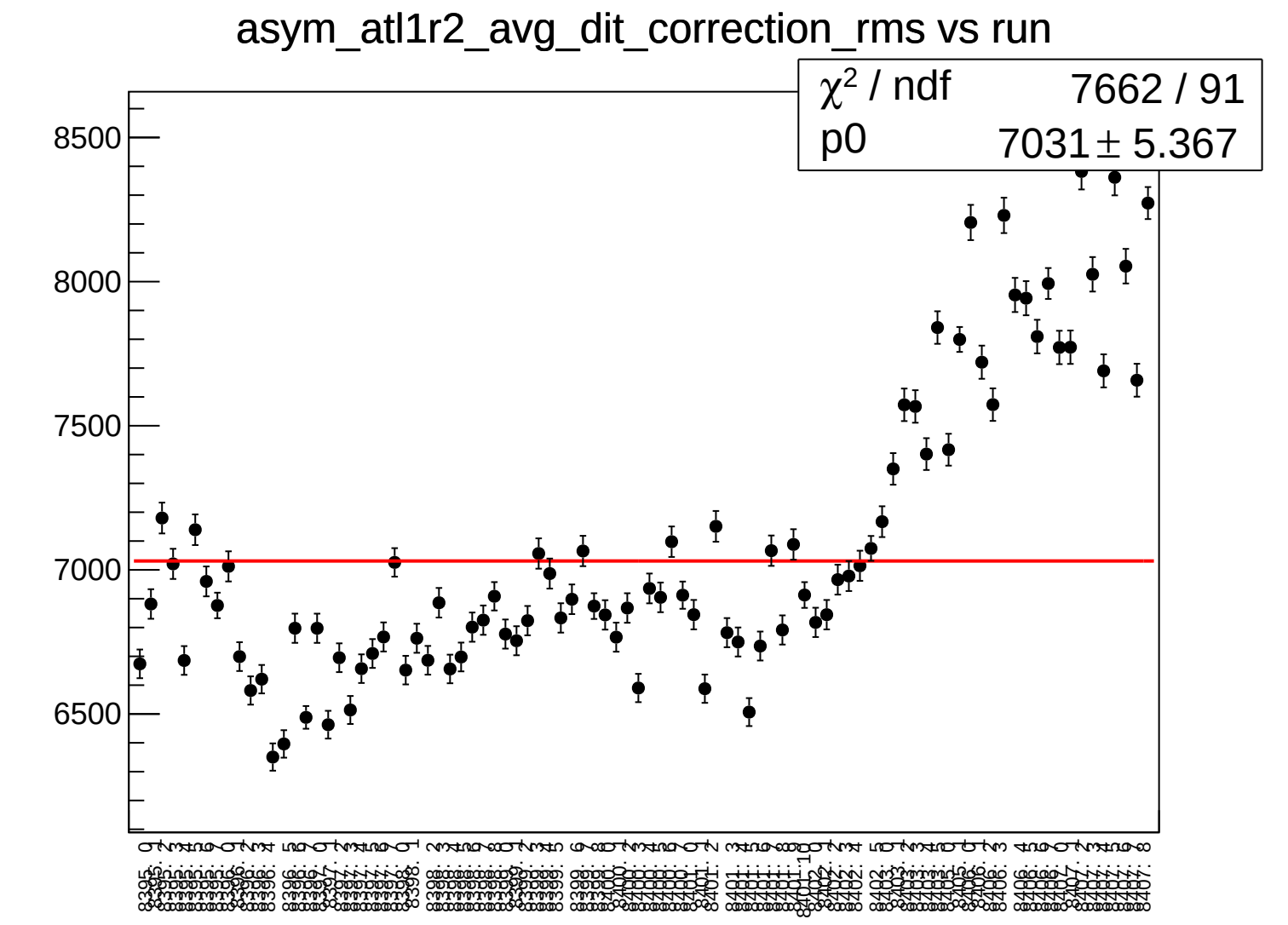
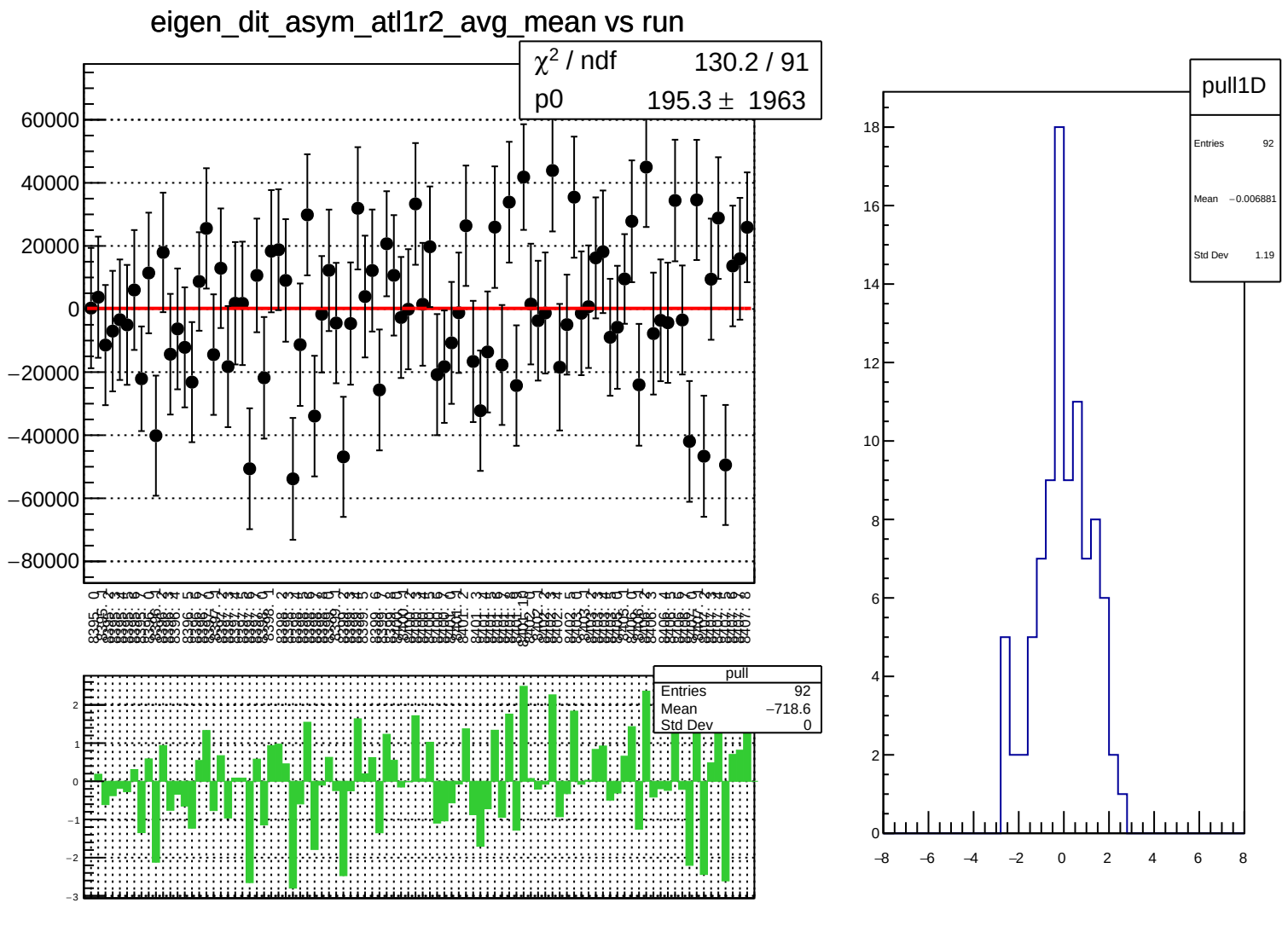
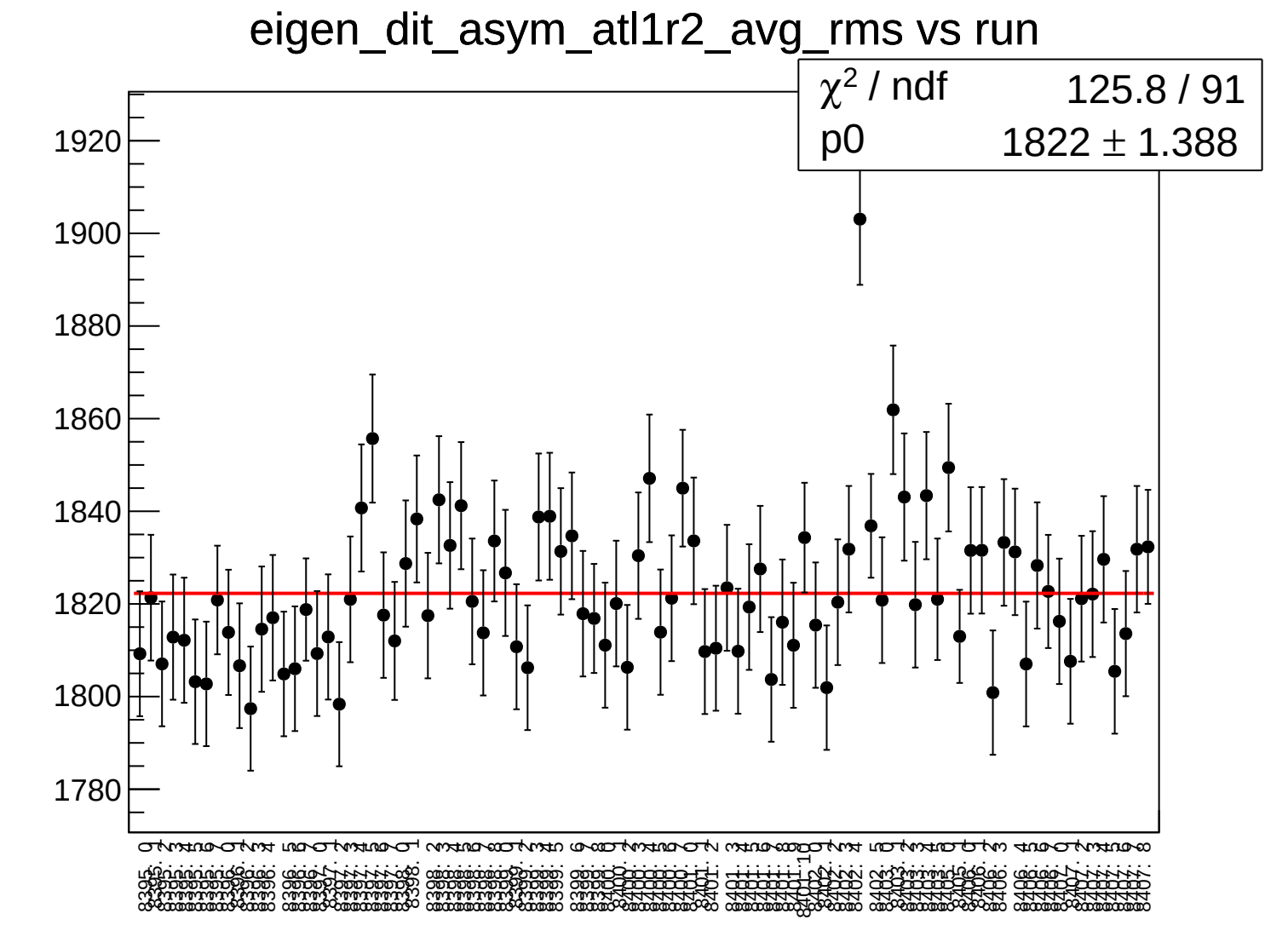
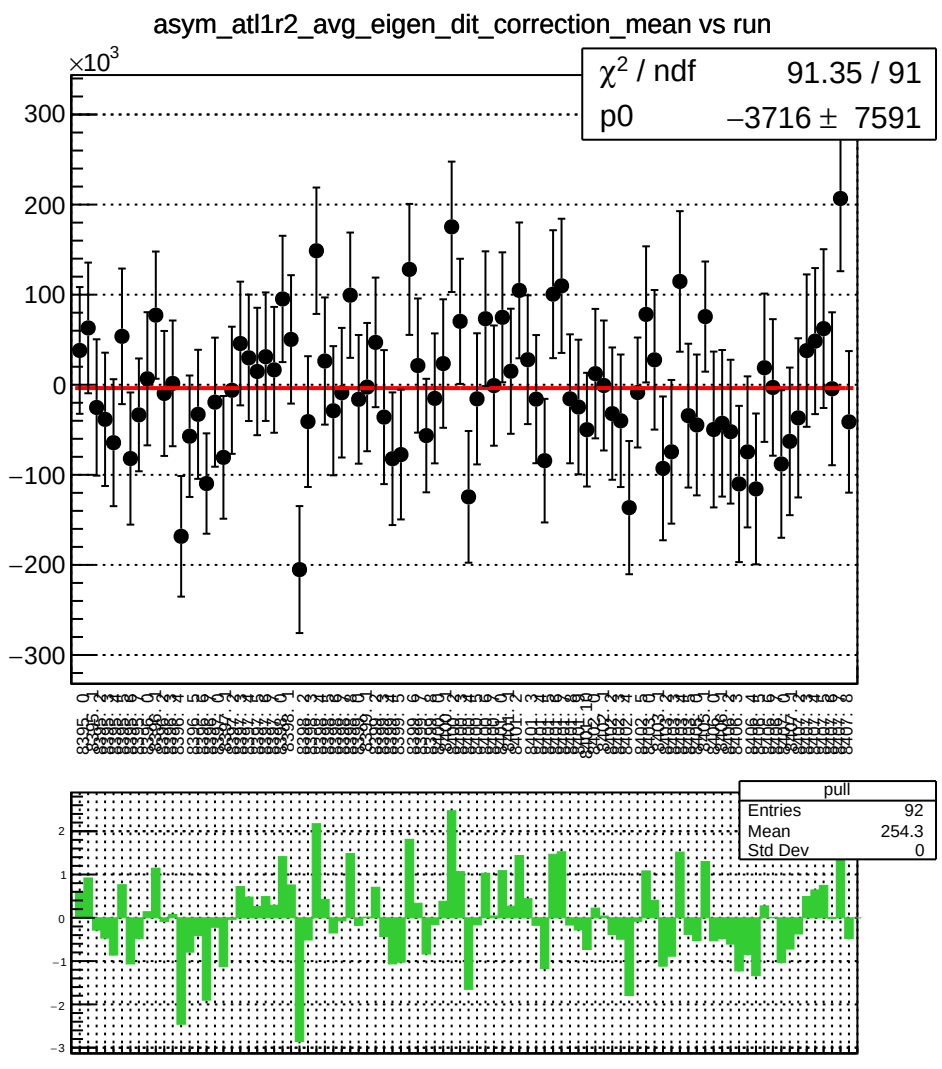
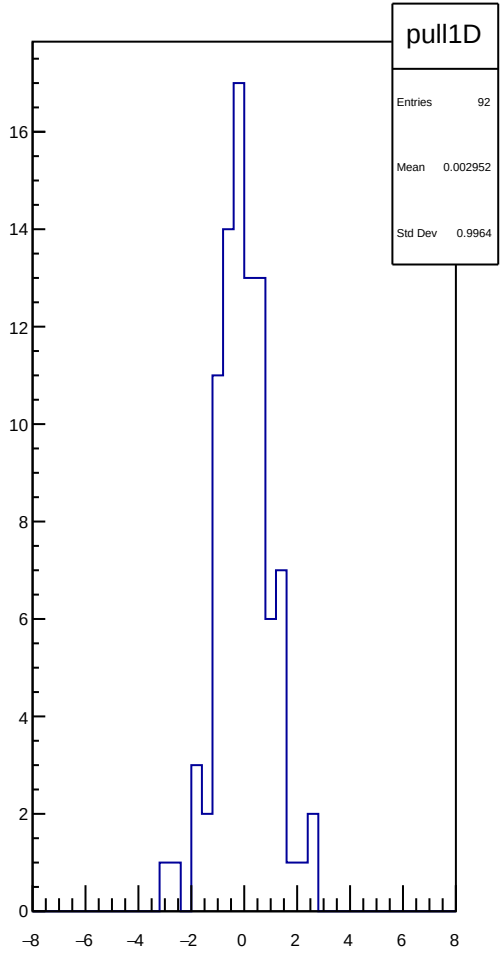
0
2
4
6
8

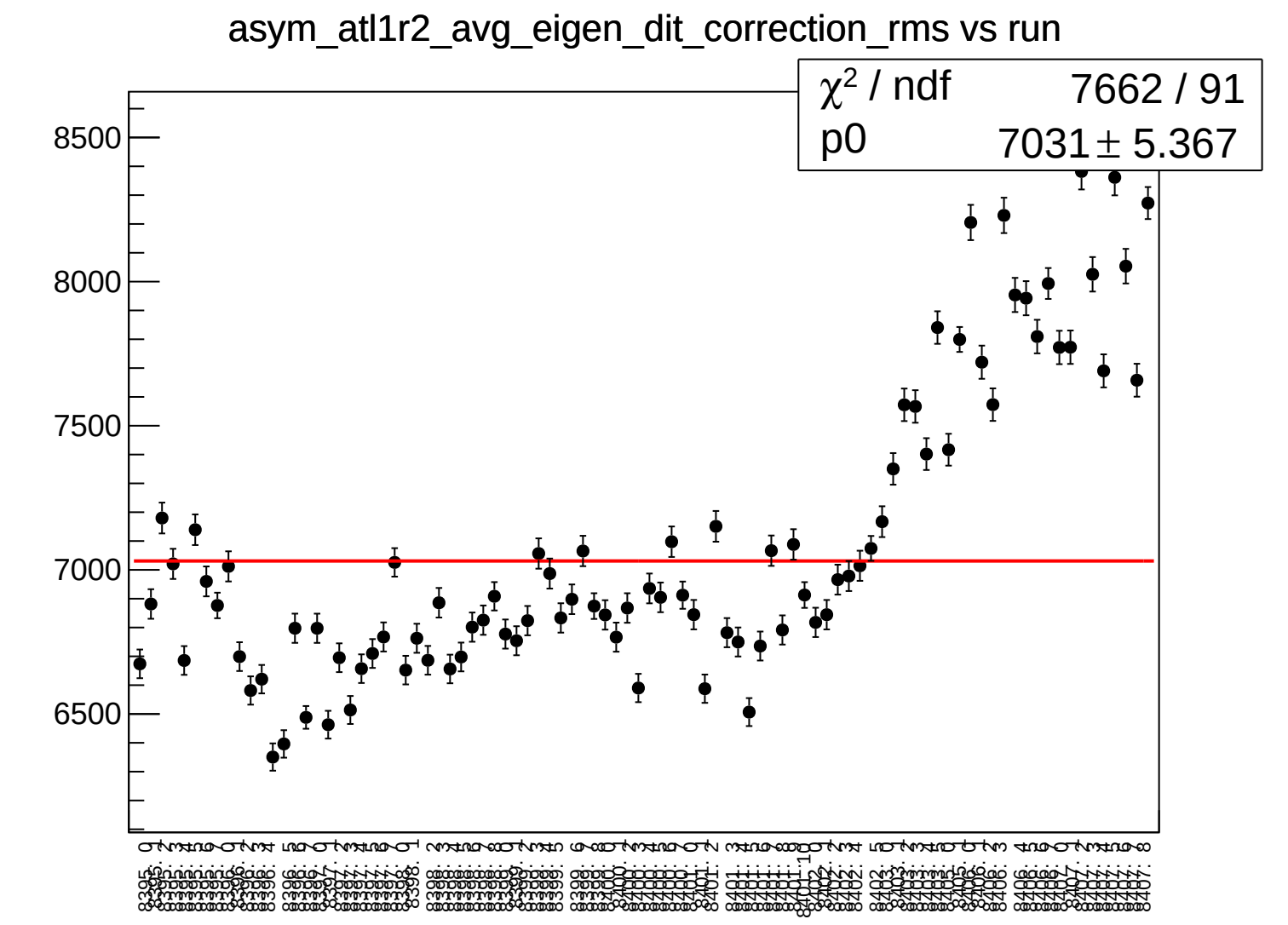

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 7662 / 91
p0 7031 ± 5.367
8500
8000
7500
7000
6500

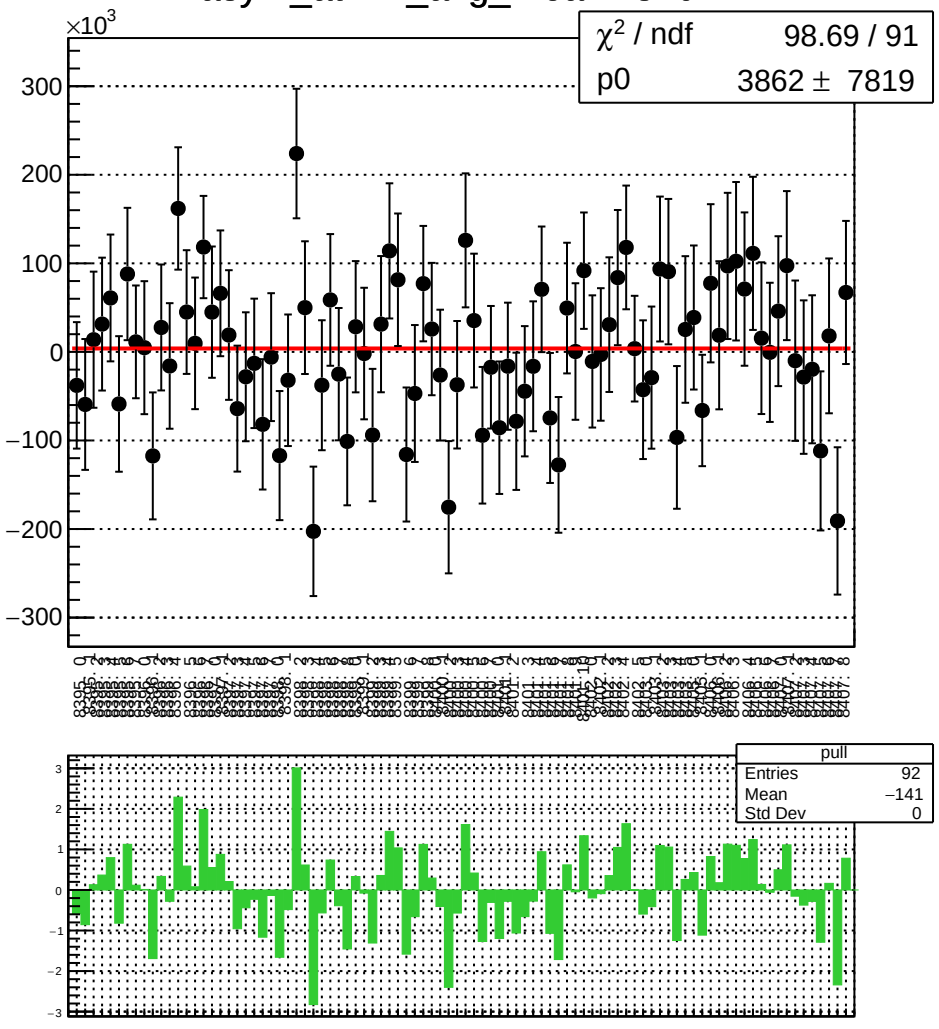

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 130.2 / 91
p0 195.3 ± 1963
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −718.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.006881
Std Dev 1.19
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

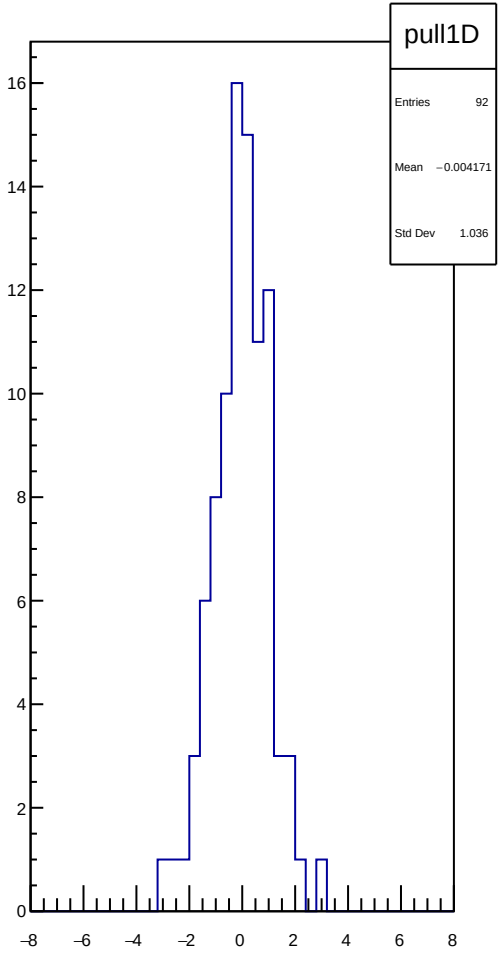

eigen_dit_asym_atl1r2_avg_rms vs run
$\chi^2$ / ndf 125.8 / 91
p0 1822 ± 1.388
1920
1900
1880
1860
1840
1820
1800
1780

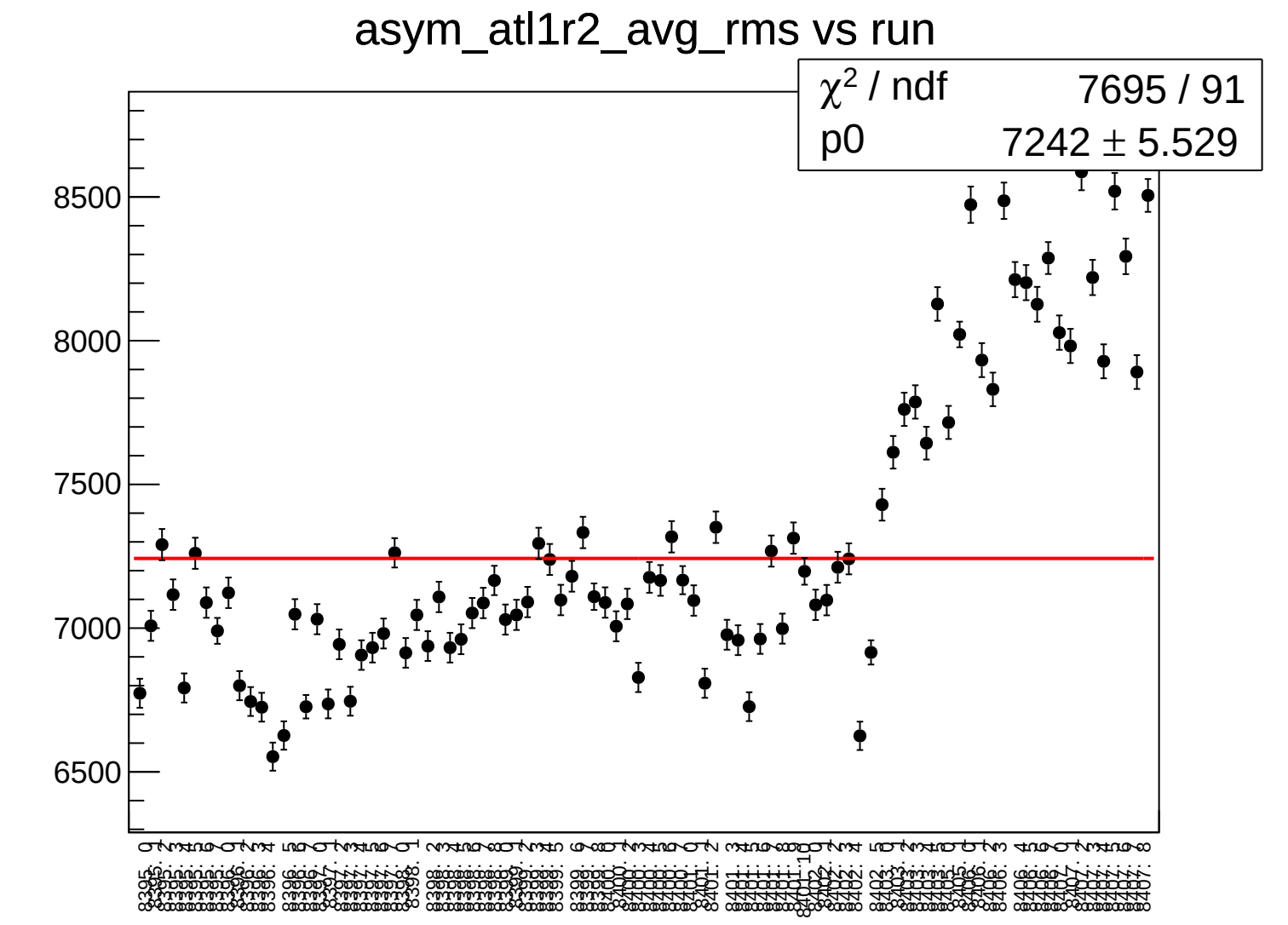

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 91.35 / 91
p0 −3716 ± 7591
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 254.3
Std Dev 0
2
1
0
−1
−2
−3

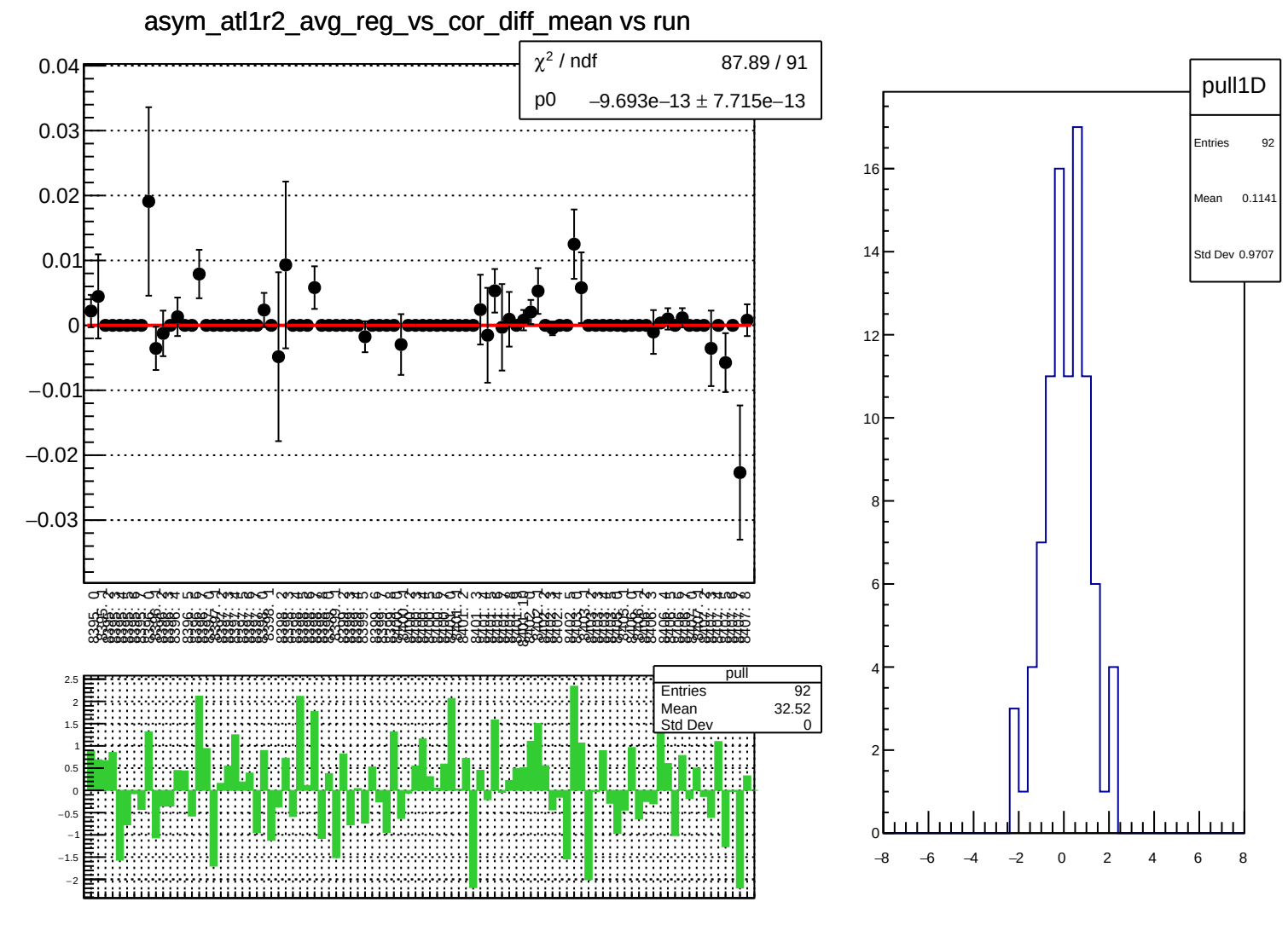

pull1D
Entries 92
Mean 0.002952
Std Dev 0.9964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

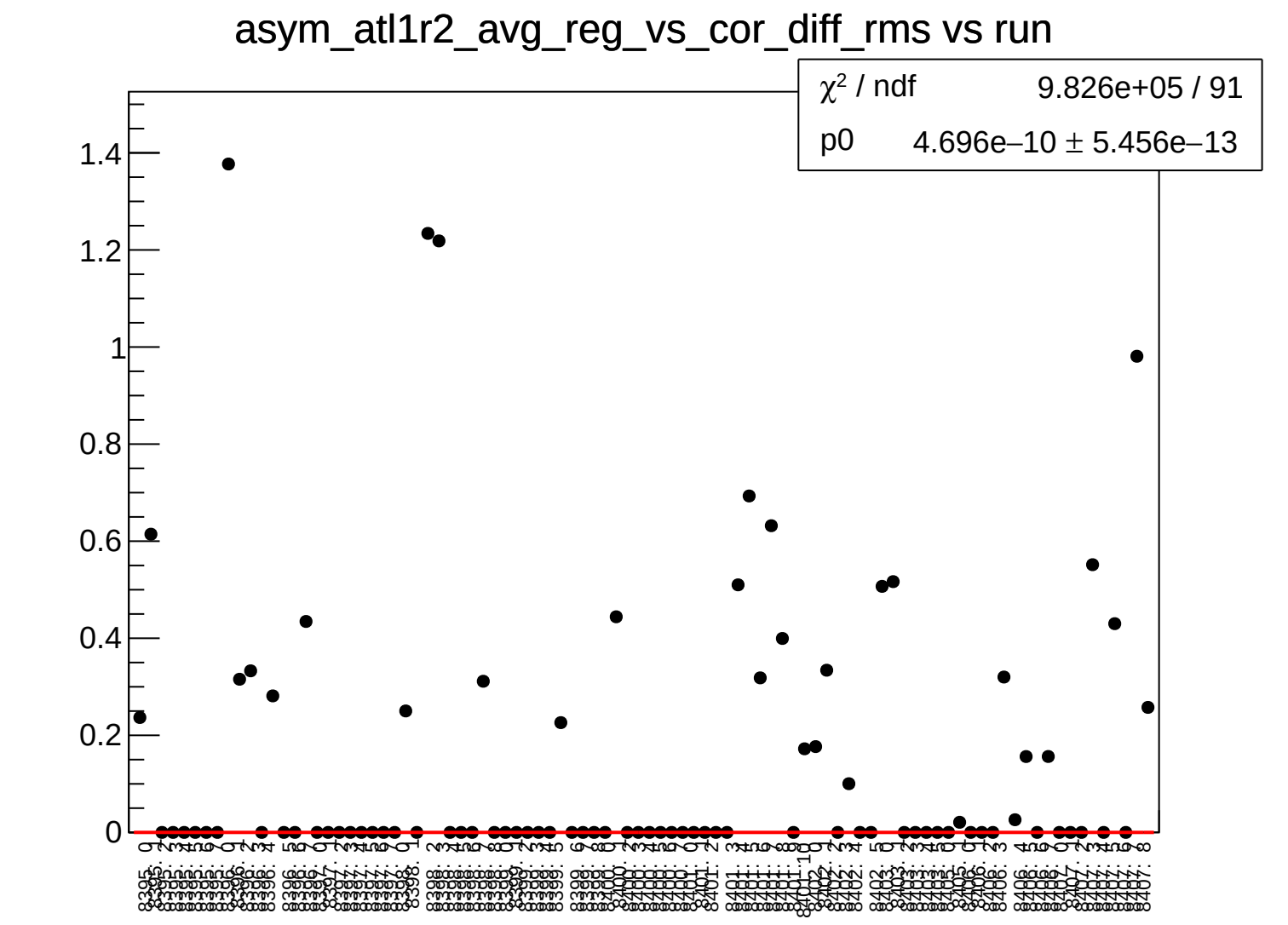

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7662 / 91
p0 7031 ± 5.367
8500
8000
7500
7000
6500

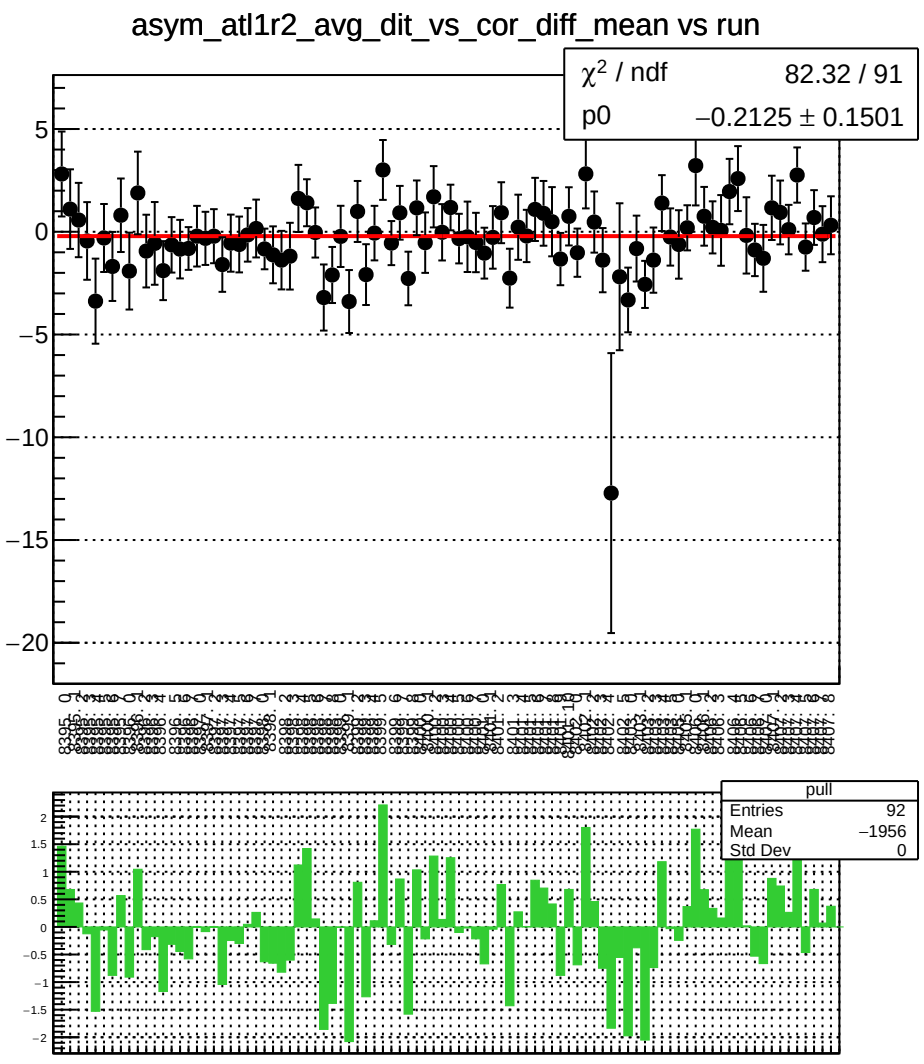

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 98.69 / 91
p0 3862 ± 7819
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean −141
Std Dev 0
3
2
1
0
−1
−2
−3

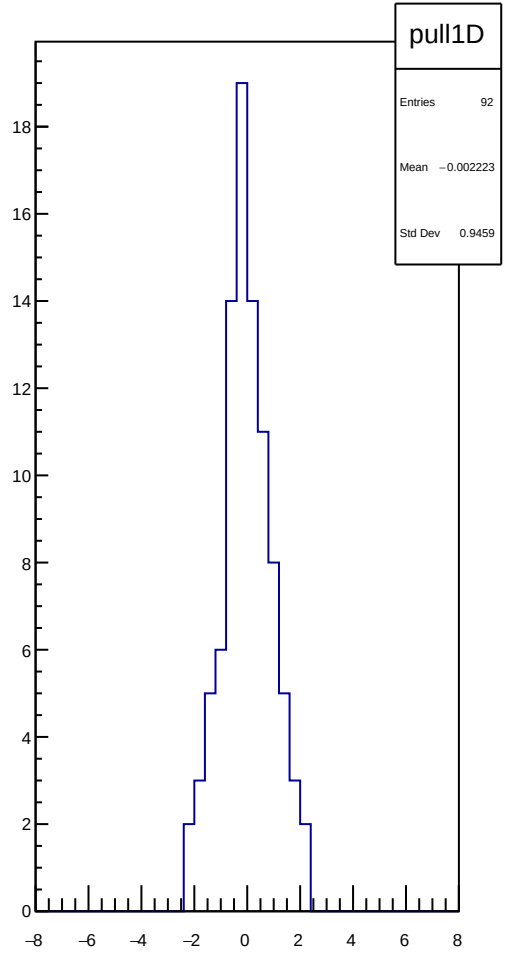

pull1D
Entries 92
Mean −0.004171
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

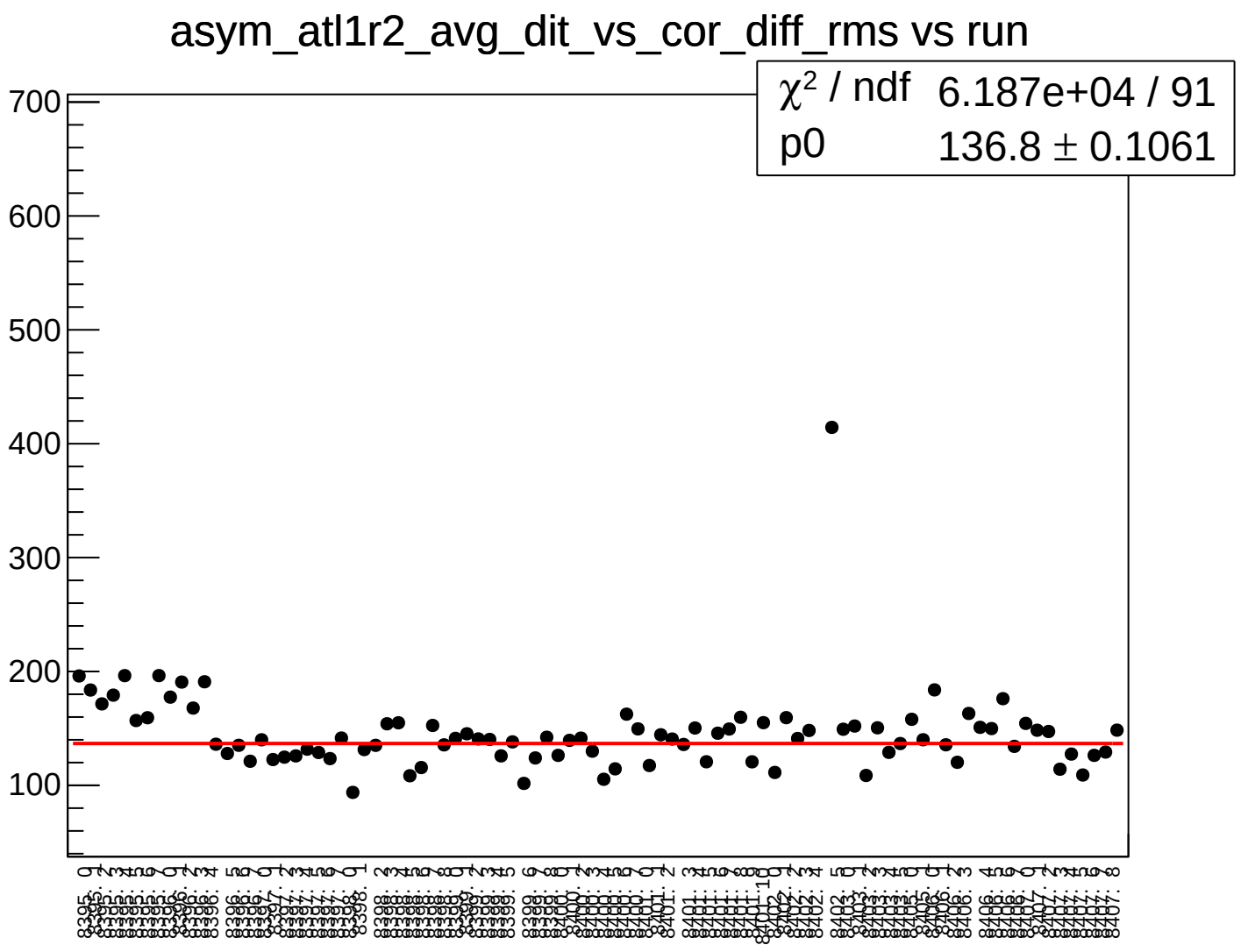

asym_atl1r2_avg_rms vs run
χ² / ndf 7695 / 91
p0 7242 ± 5.529
8500
8000
7500
7000
6500

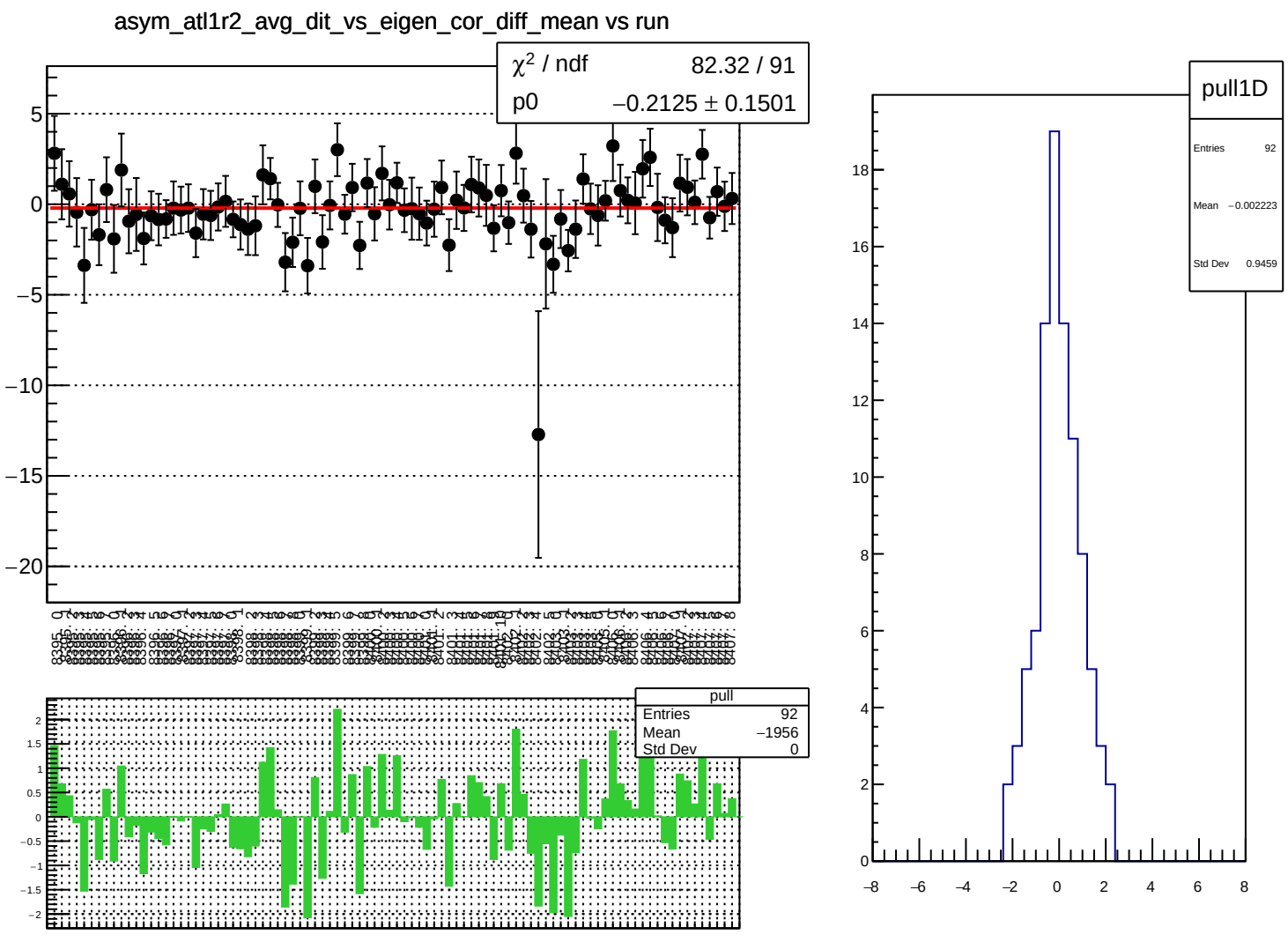

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.89 / 91
p0 −9.693e−13 ± 7.715e−13
pull
Entries 92
Mean 32.52
Std Dev 0
pull1D
Entries 92
Mean 0.1141
Std Dev 0.9707

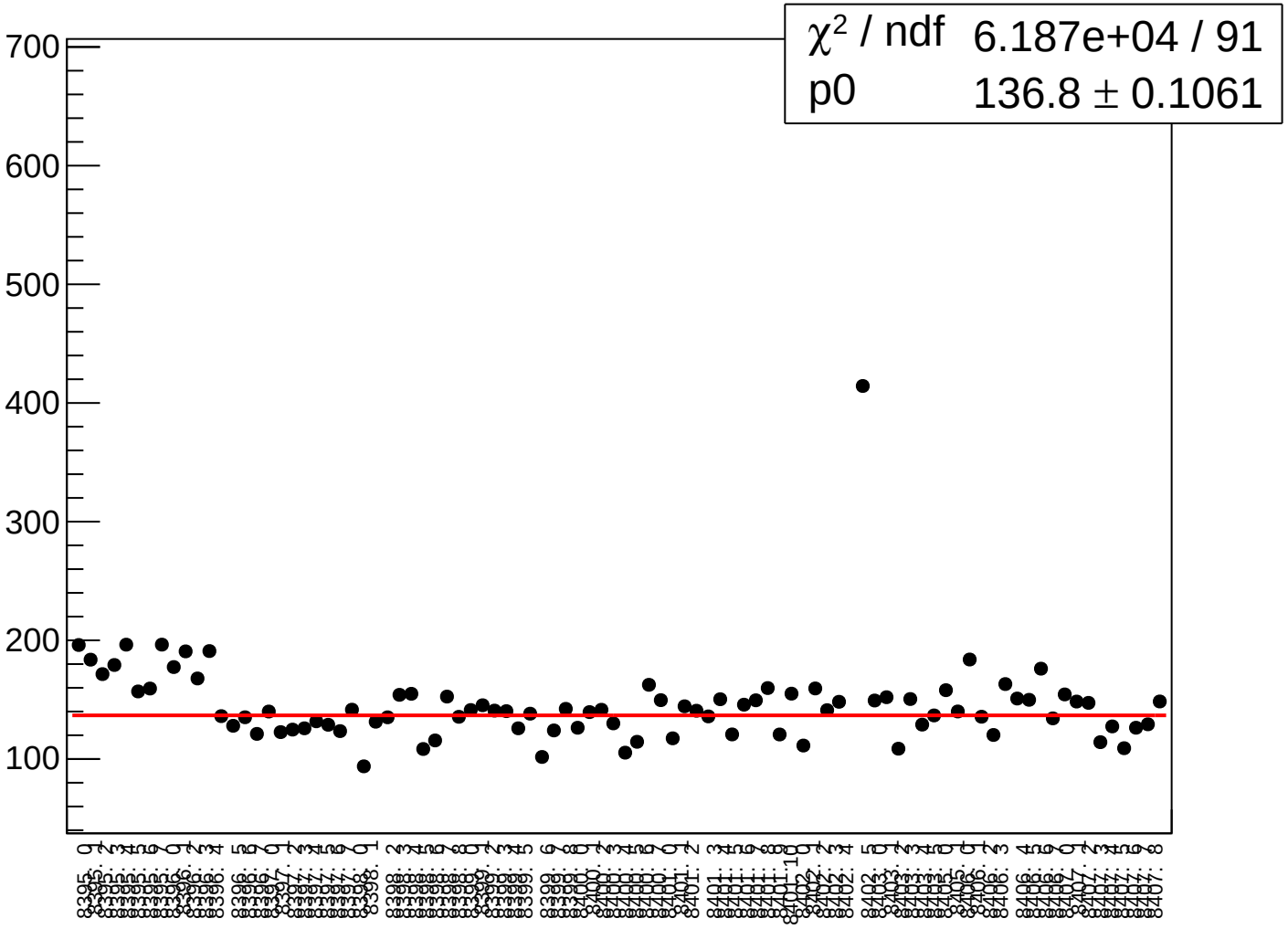

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.826e+05 / 91
p0 4.696e−10 ± 5.456e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

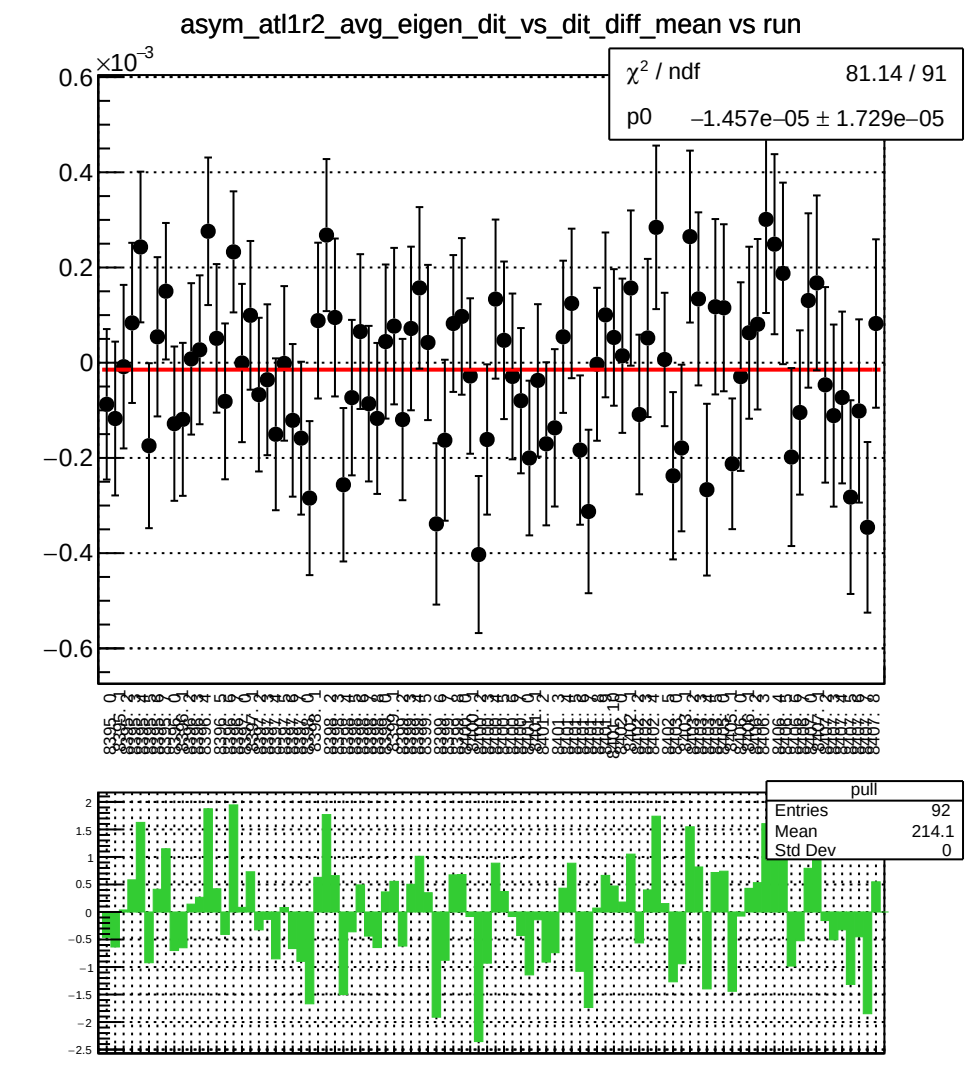

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.32 / 91
p0 −0.2125 ± 0.1501
pull
Entries 92
Mean −1956
Std Dev 0

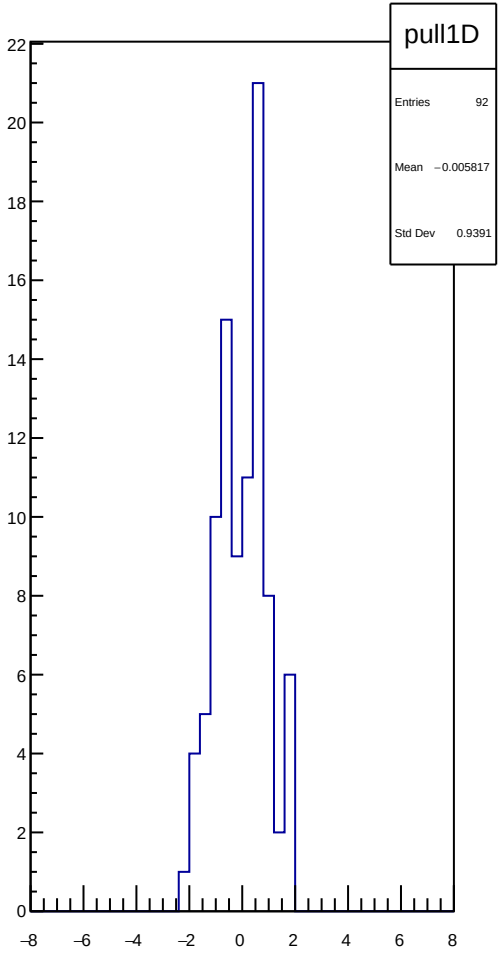

pull1D
Entries 92
Mean −0.002223
Std Dev 0.9459

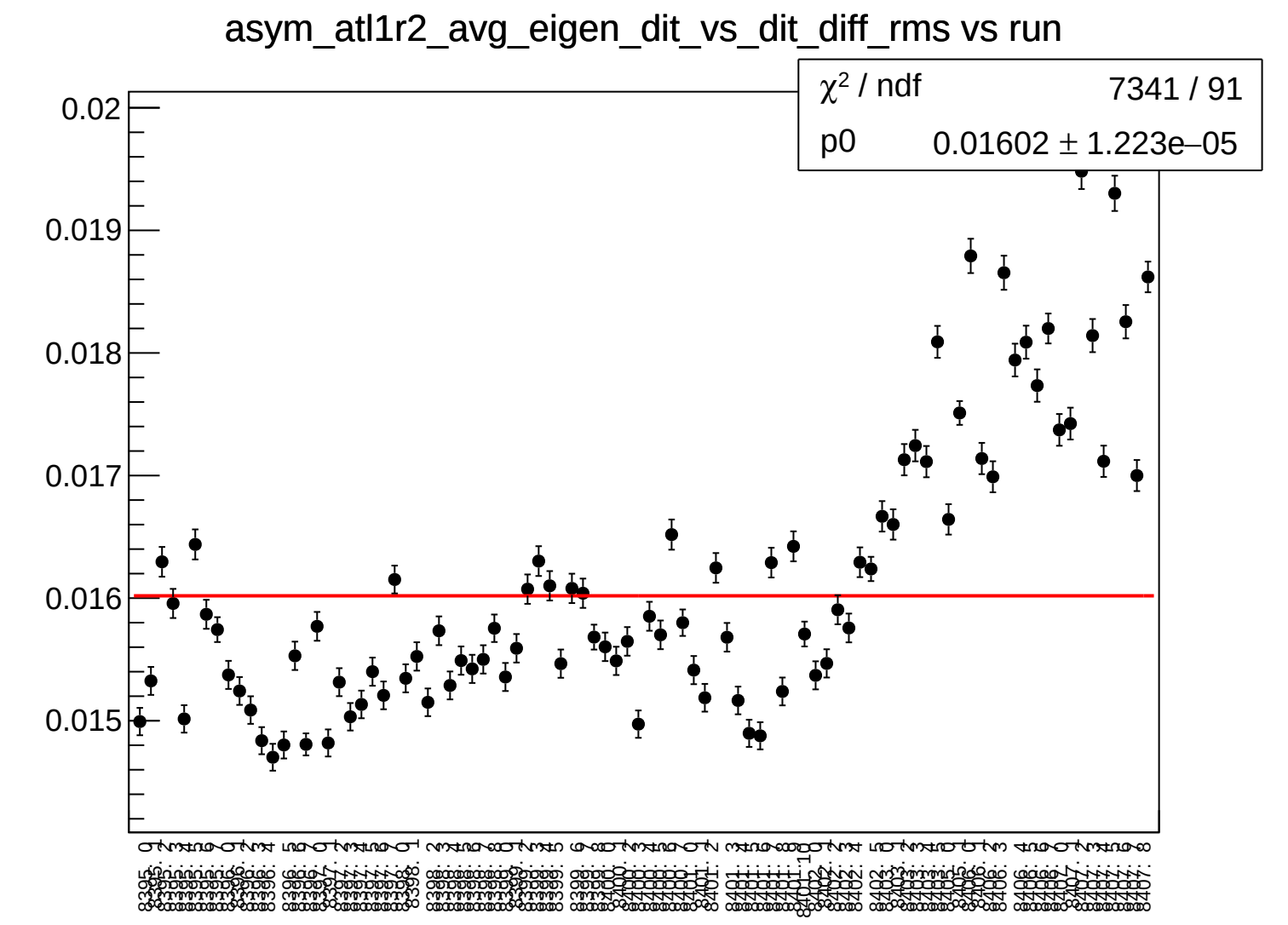

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.187e+04 / 91
p0 136.8 ± 0.1061
700
600
500
400
300
200
100

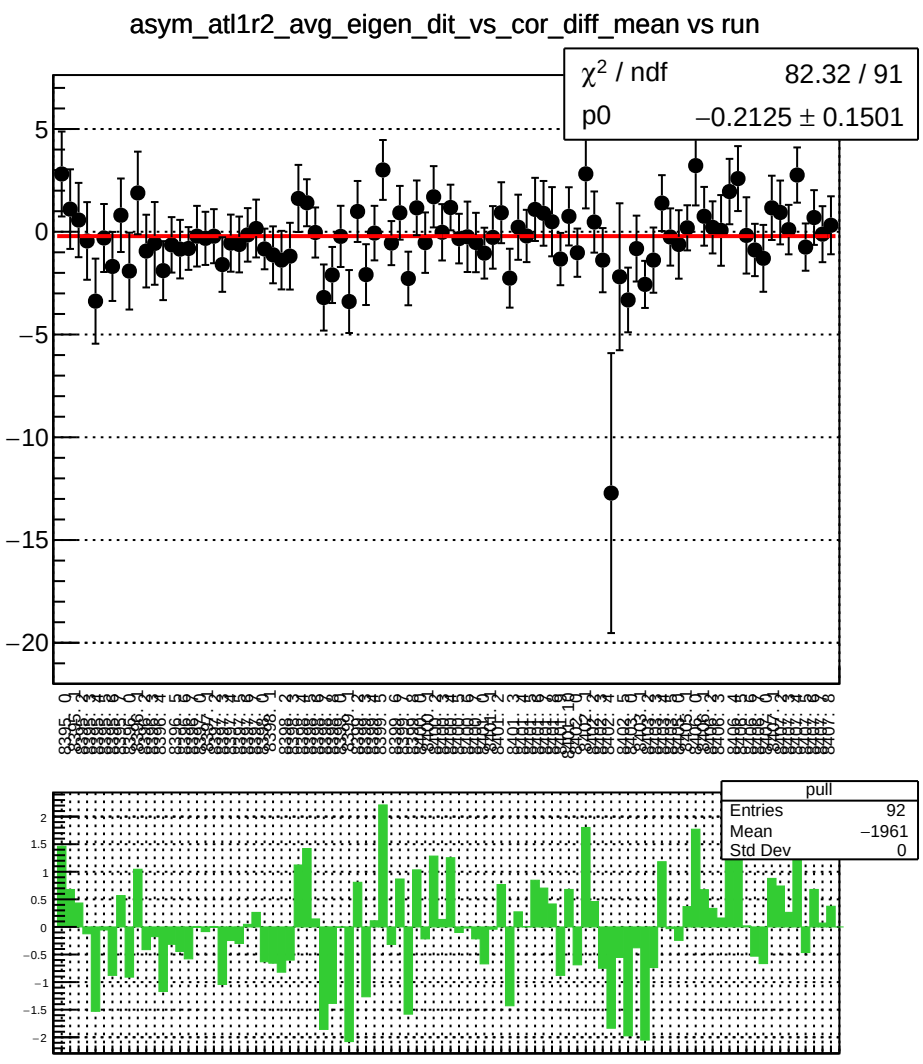

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.32 / 91
p0 −0.2125 ± 0.1501
pull
Entries 92
Mean −1956
Std Dev 0
pull1D
Entries 92
Mean −0.002223
Std Dev 0.9459

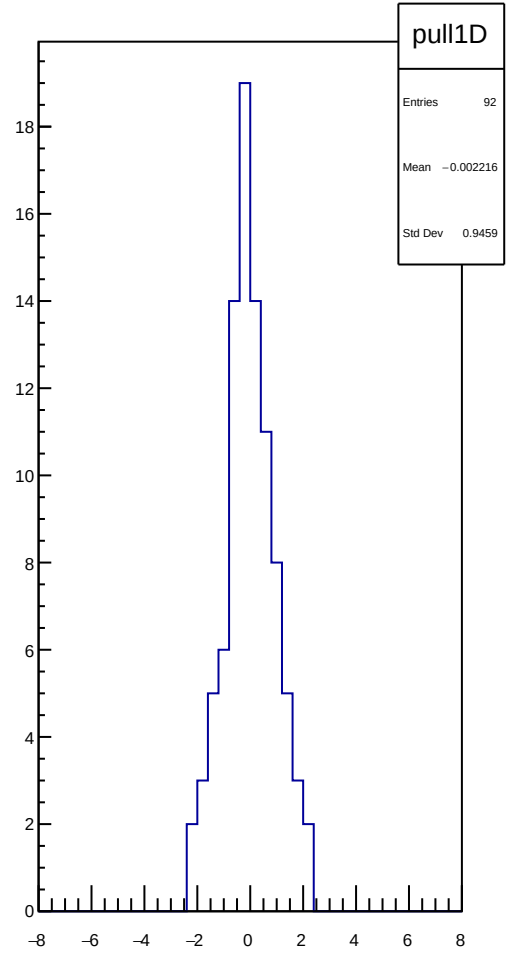

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.187e+04 / 91
p0 136.8 ± 0.1061
700
600
500
400
300
200
100

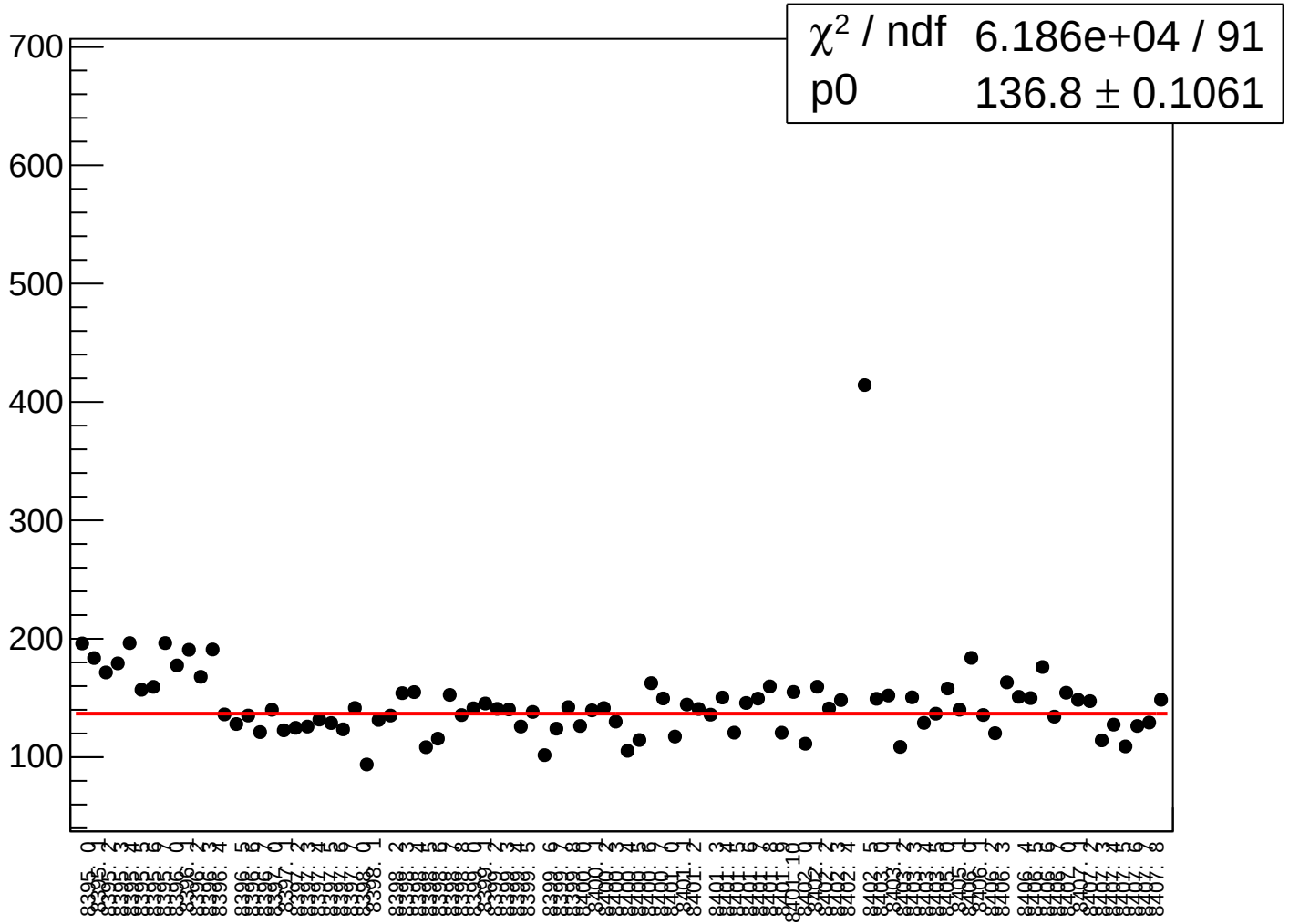

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 81.14 / 91
p0 −1.457e−05 ± 1.729e−05
×10⁻³
pull
Entries 92
Mean 214.1
Std Dev 0

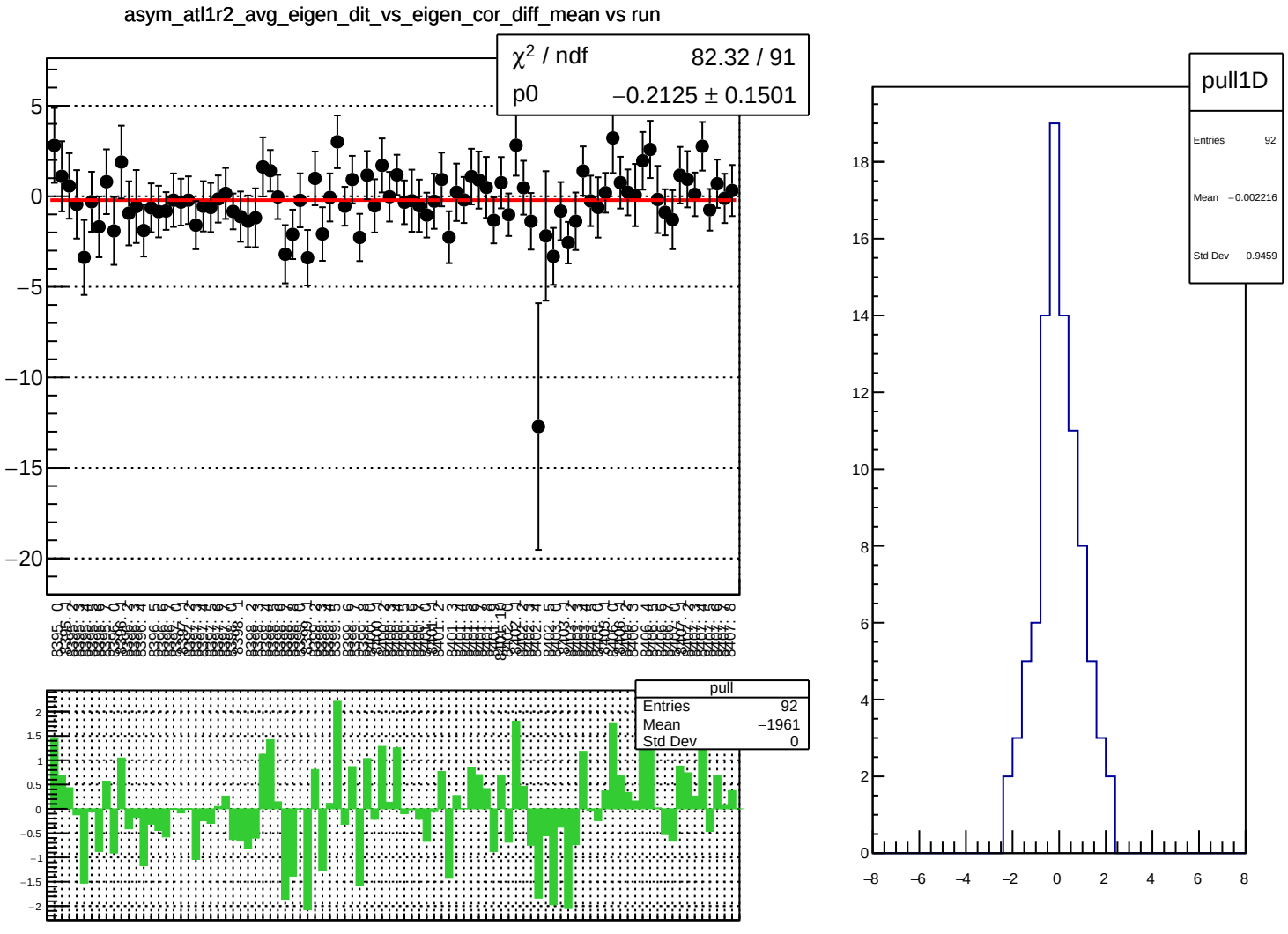

pull1D
Entries 92
Mean −0.005817
Std Dev 0.9391

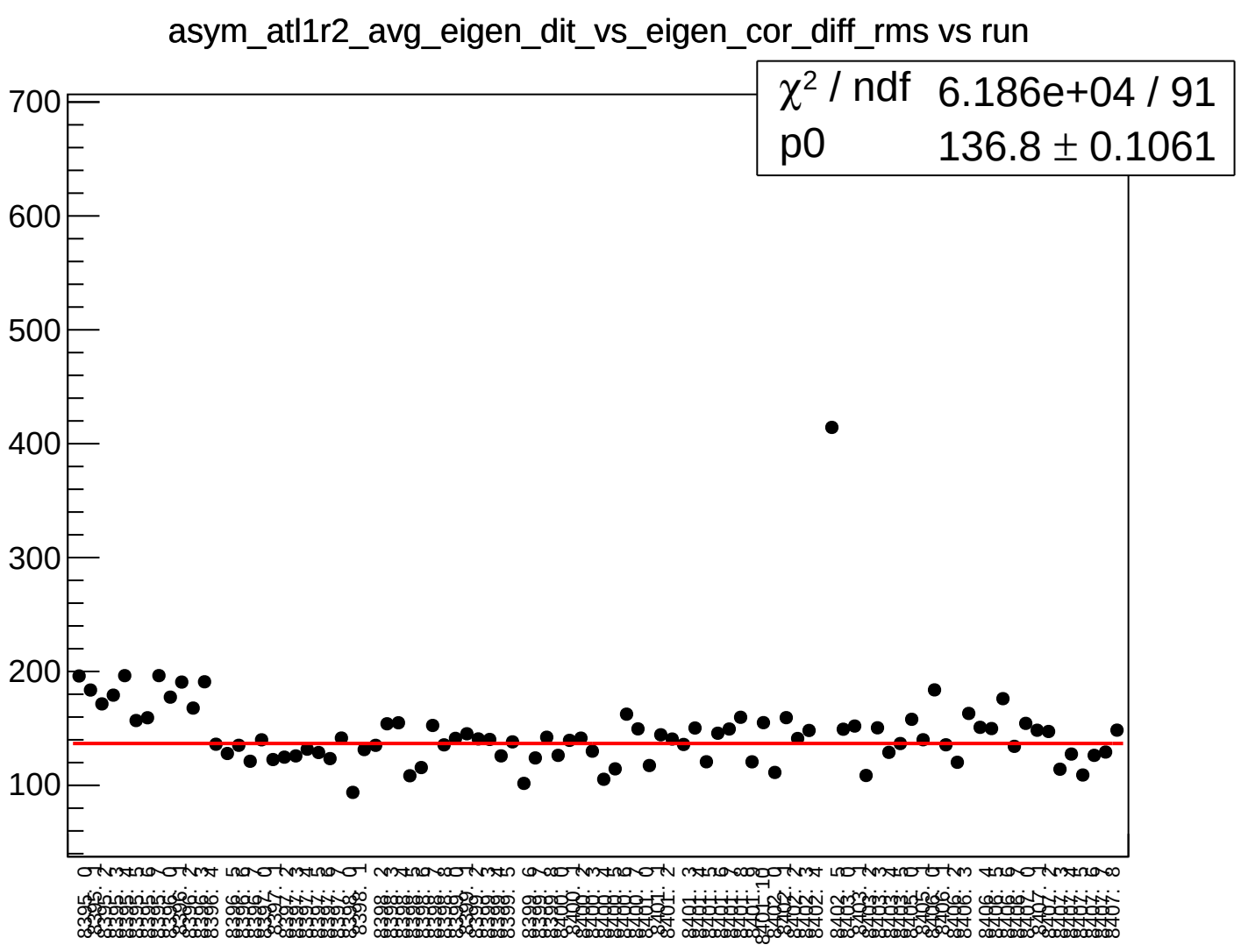

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7341 / 91
p0 0.01602 ± 1.223e−05
0.02
0.019
0.018
0.017
0.016
0.015

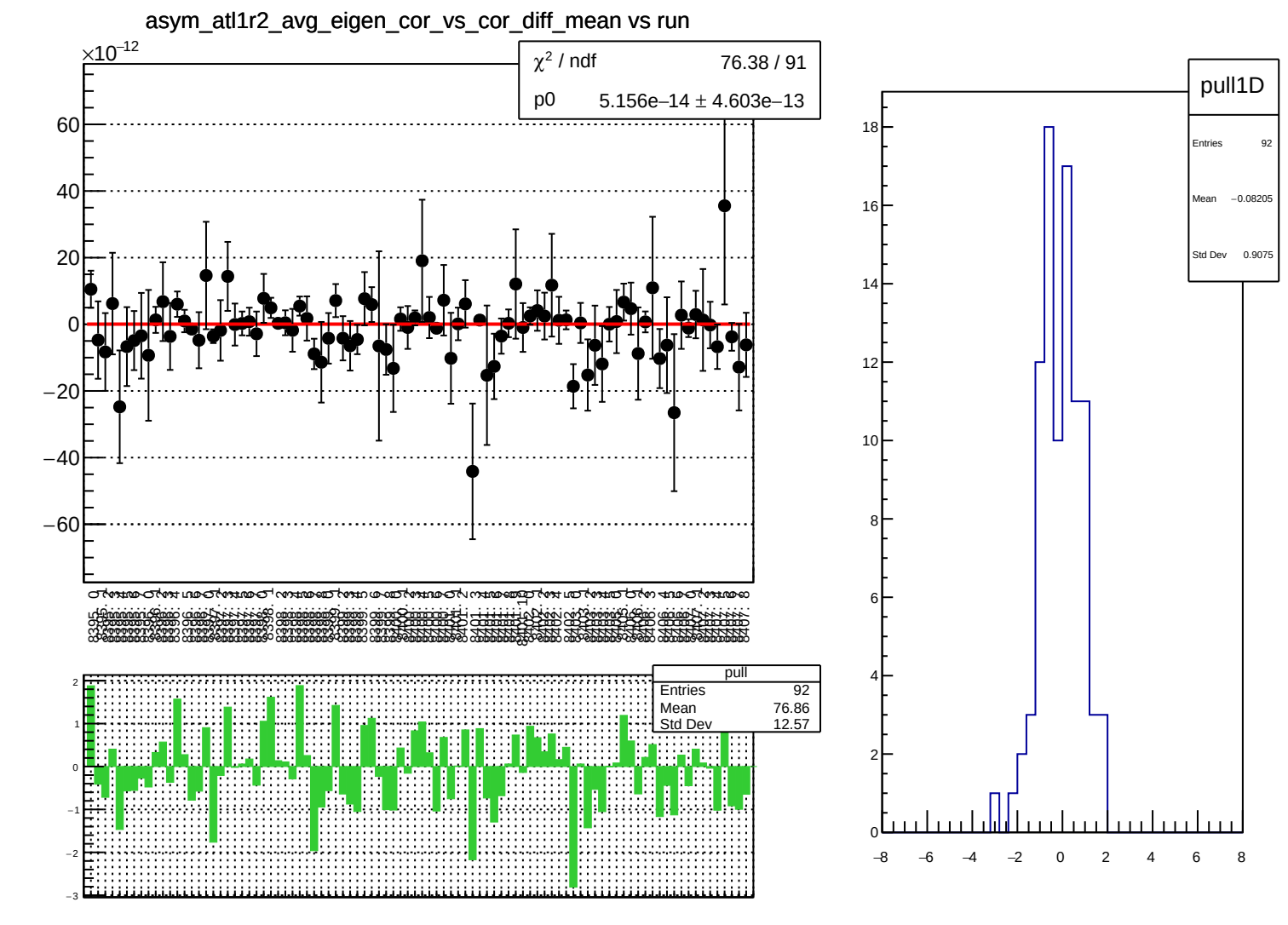

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.32 / 91
p0 −0.2125 ± 0.1501
pull
Entries 92
Mean −1961
Std Dev 0

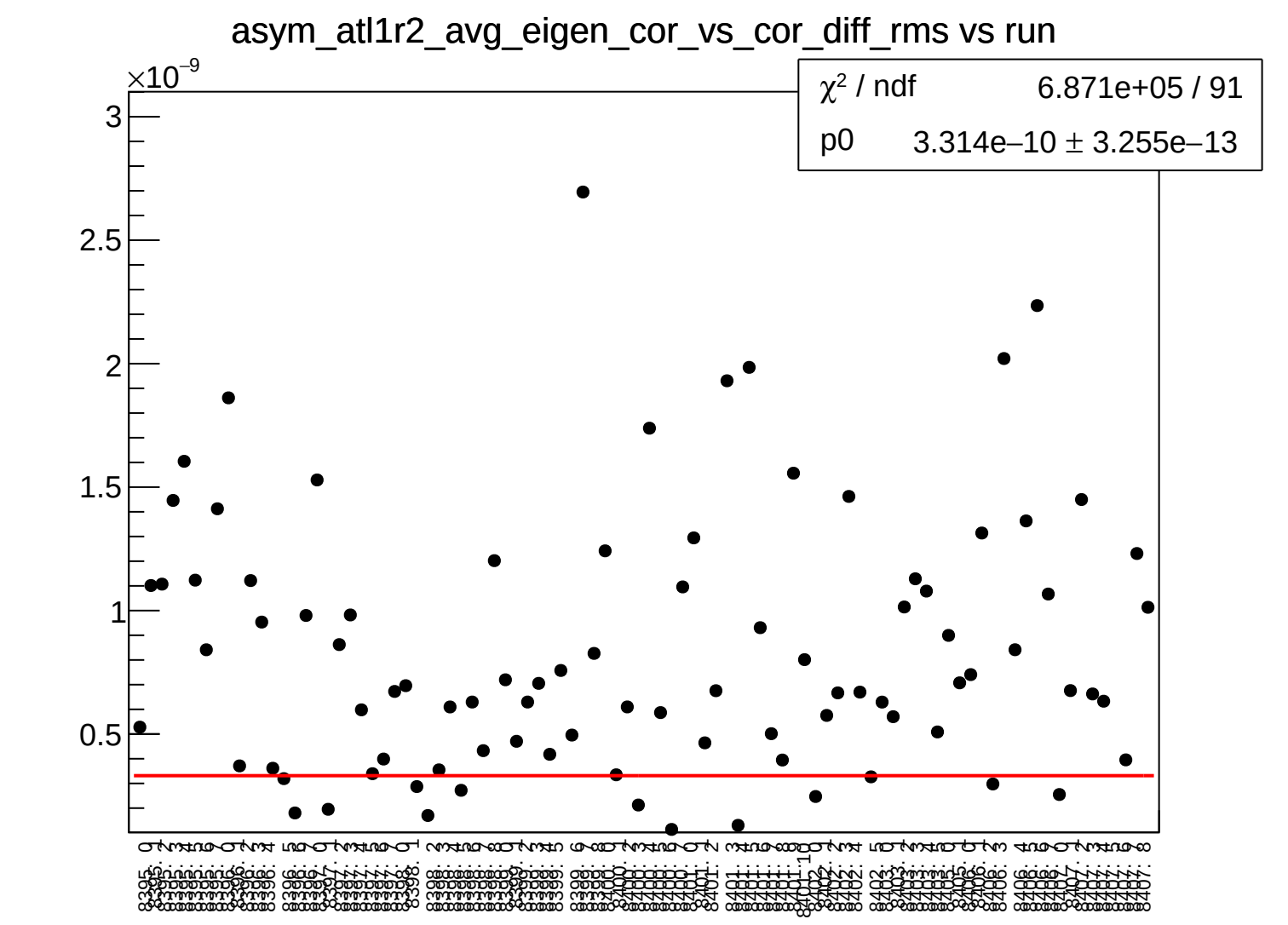

pull1D
Entries 92
Mean −0.002216
Std Dev 0.9459

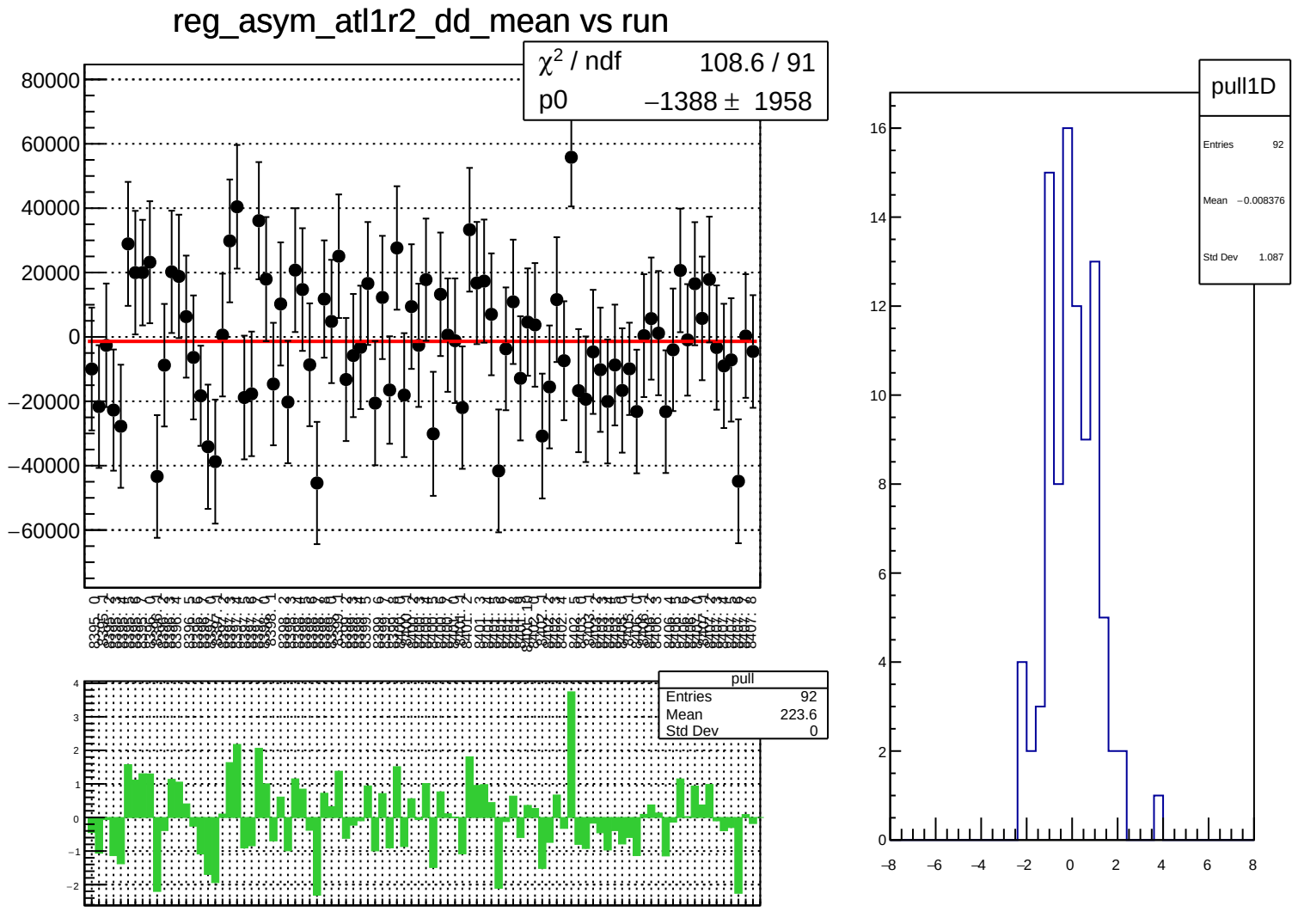

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.186e+04 / 91
p0 136.8 ± 0.1061
700
600
500
400
300
200
100

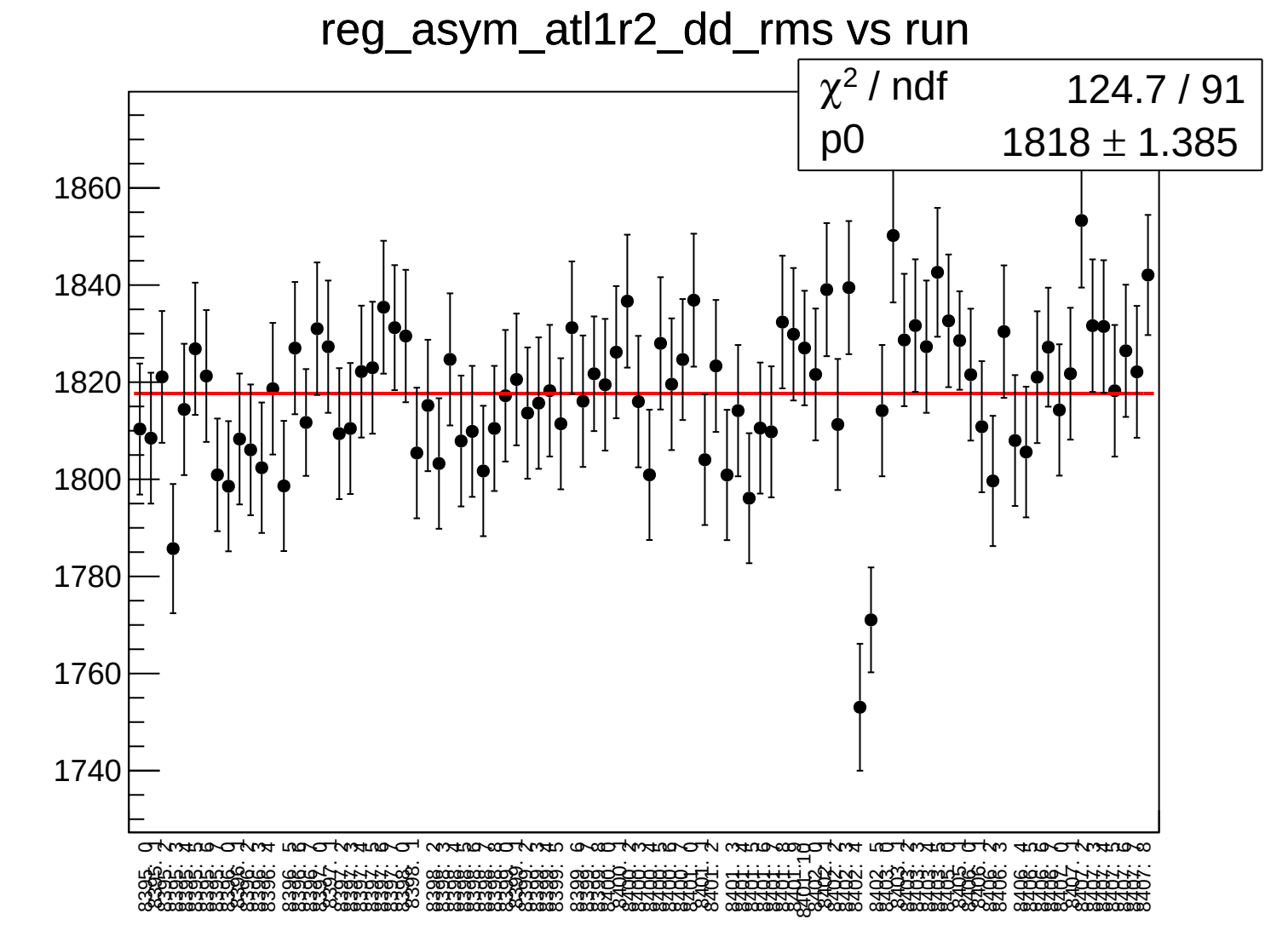

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.32 / 91
p0 −0.2125 ± 0.1501
pull
Entries 92
Mean −1961
Std Dev 0
pull1D
Entries 92
Mean −0.002216
Std Dev 0.9459

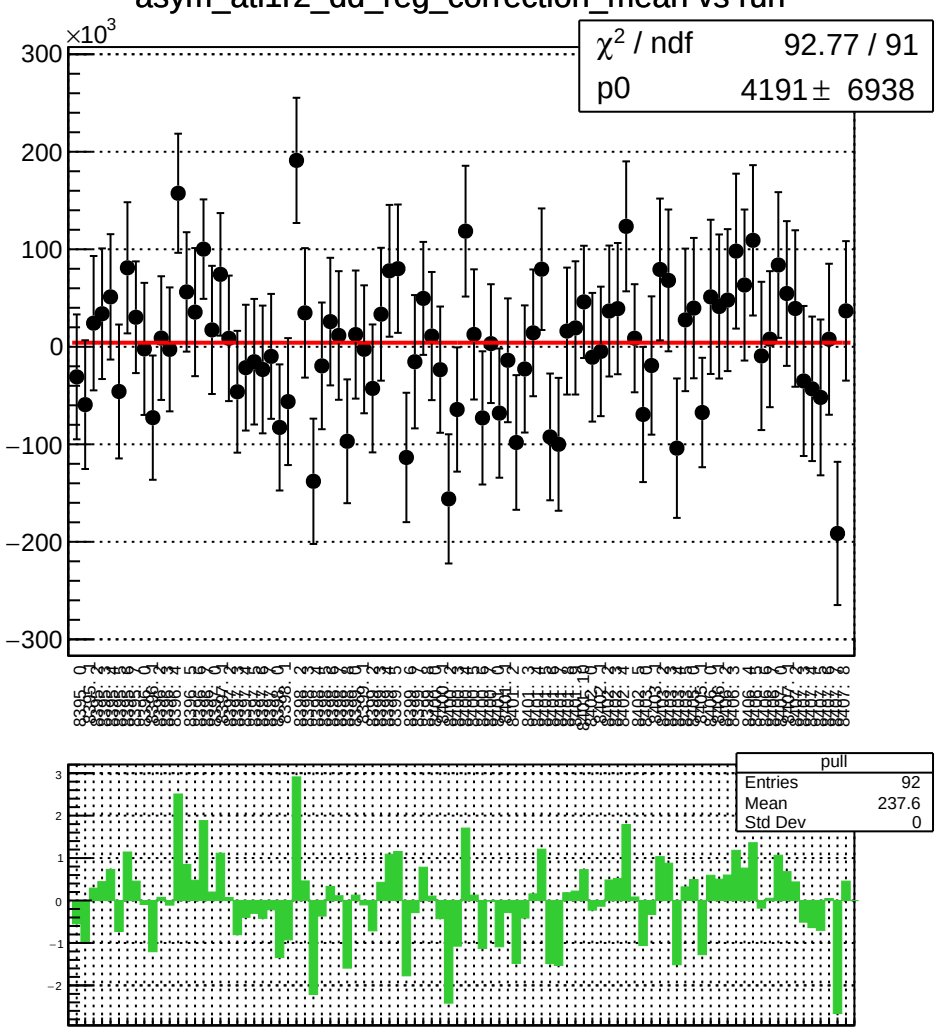

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.186e+04 / 91
p0 136.8 ± 0.1061
700
600
500
400
300
200
100

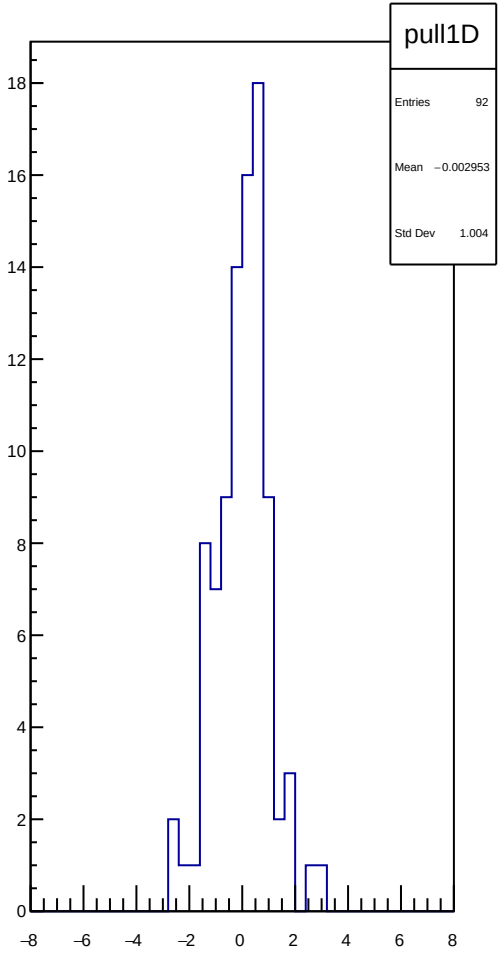

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.38 / 91
p0 5.156e−14 ± 4.603e−13
60
40
20
0
−20
−40
−60
pull
Entries 92
Mean 76.86
Std Dev 12.57
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.08205
Std Dev 0.9075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

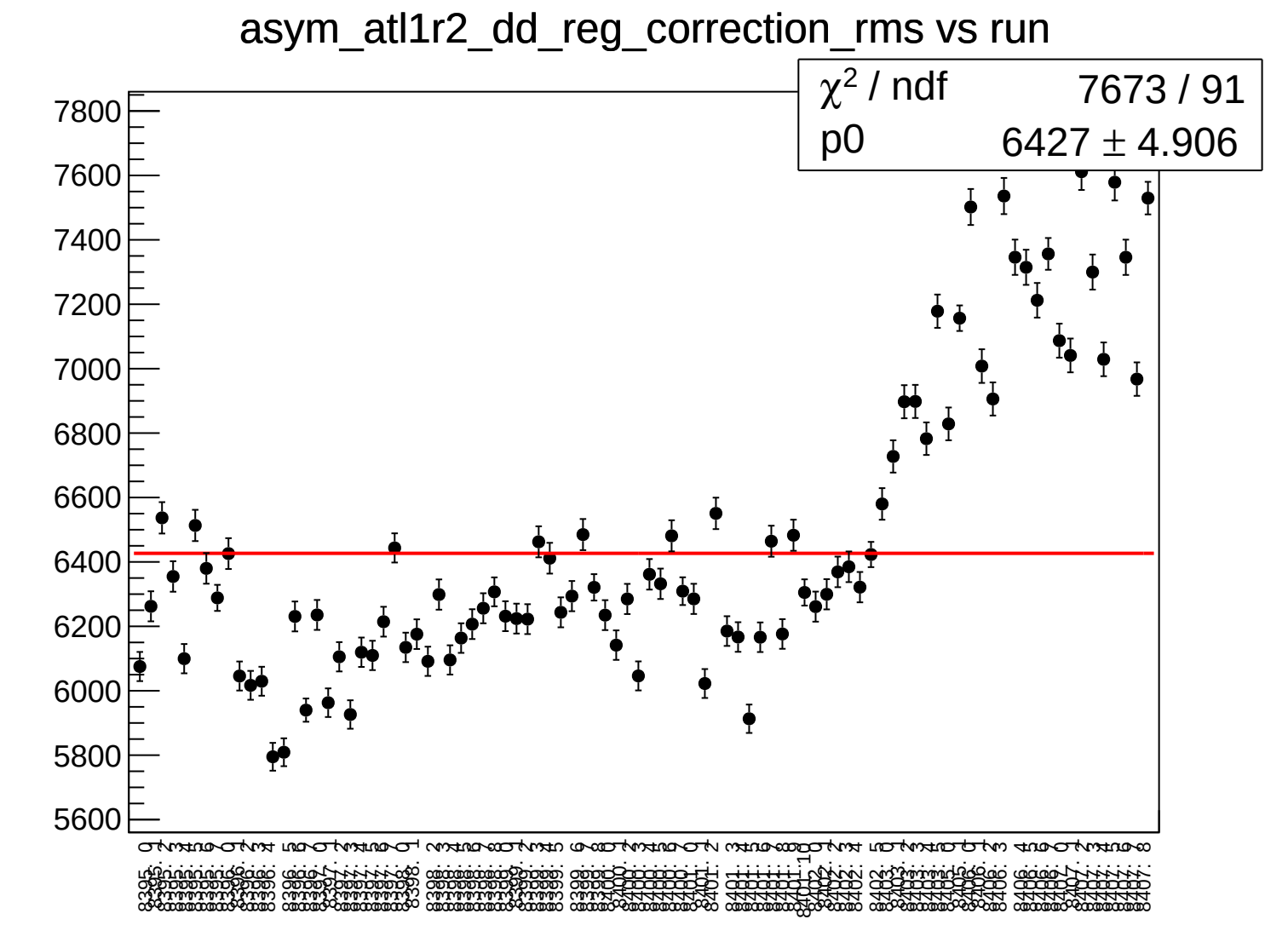

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.871e+05 / 91
p0 3.314e−10 ± 3.255e−13
3
2.5
2
1.5
1
0.5

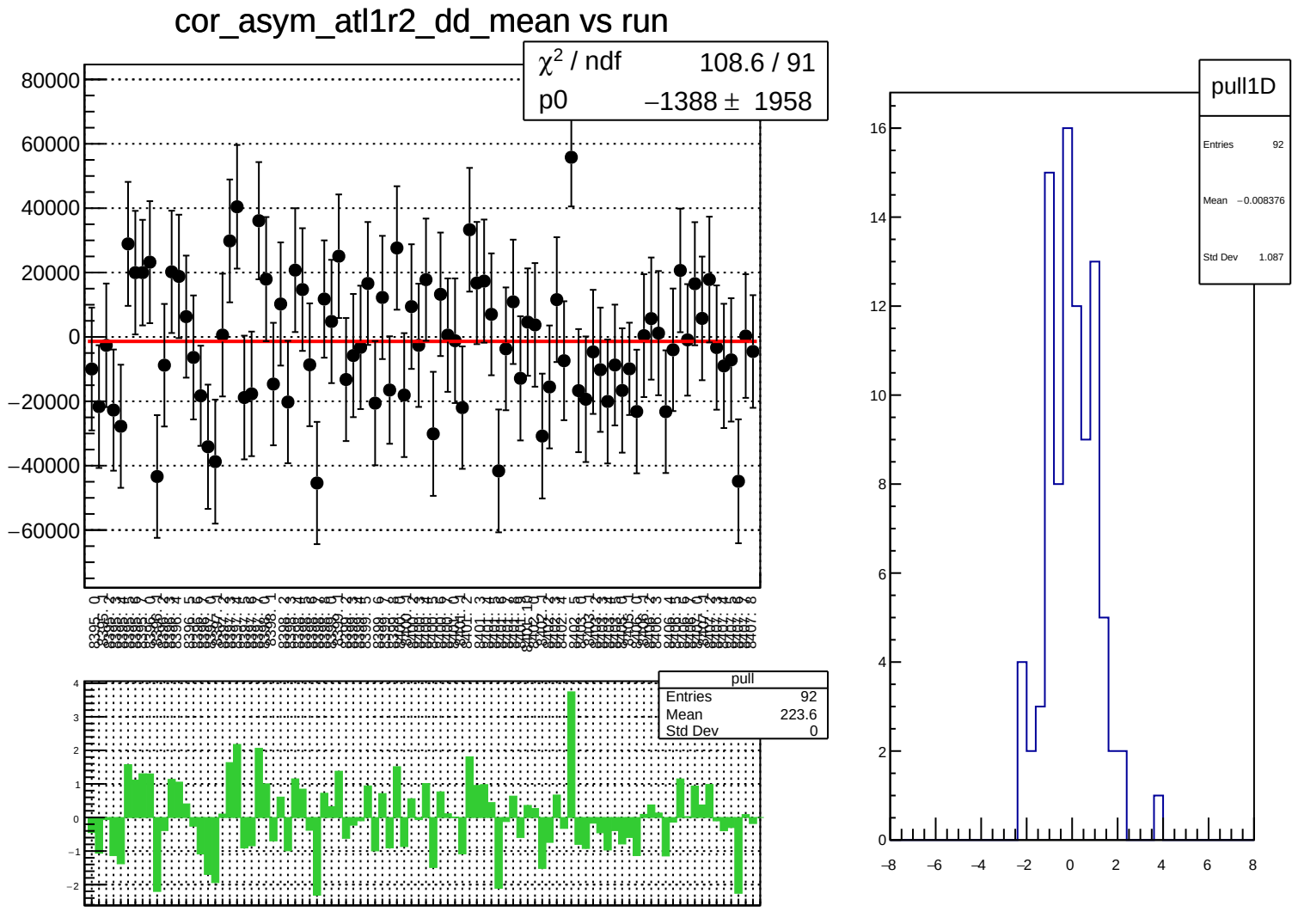

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 108.6 / 91
p0 −1388 ± 1958
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 223.6
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.008376
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

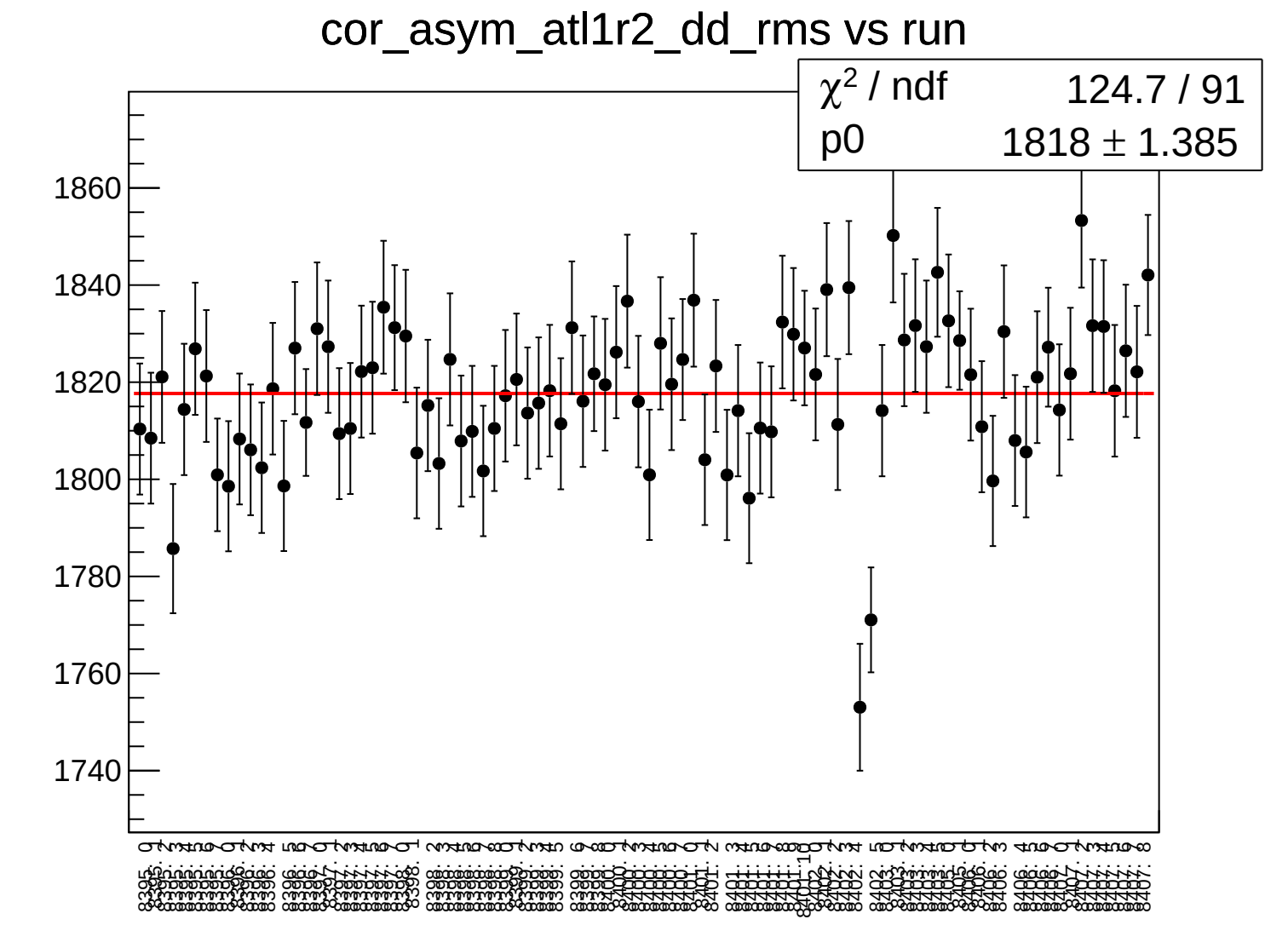

reg_asym_atl1r2_dd_rms vs run
$\chi^2$ / ndf 124.7 / 91
p0 1818 ± 1.385
1860
1840
1820
1800
1780
1760
1740

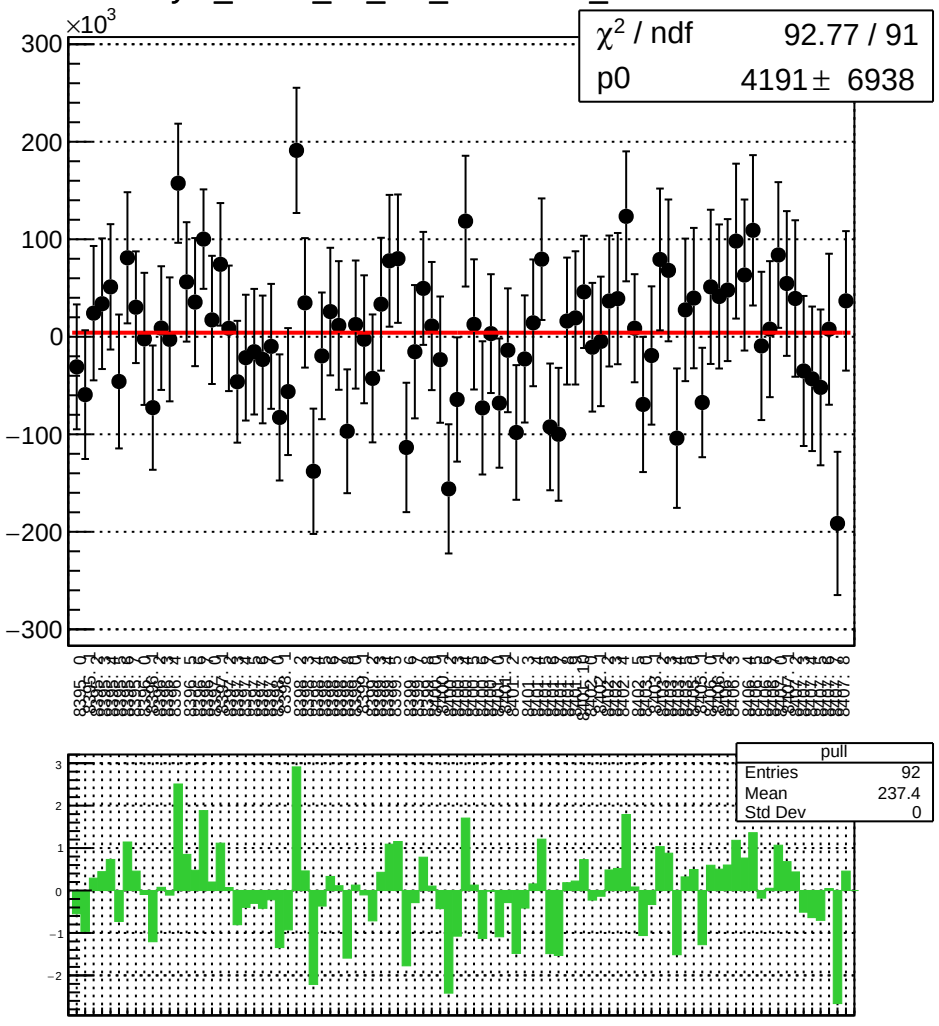

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 92.77 / 91
p0 4191 ± 6938
pull
Entries 92
Mean 237.6
Std Dev 0

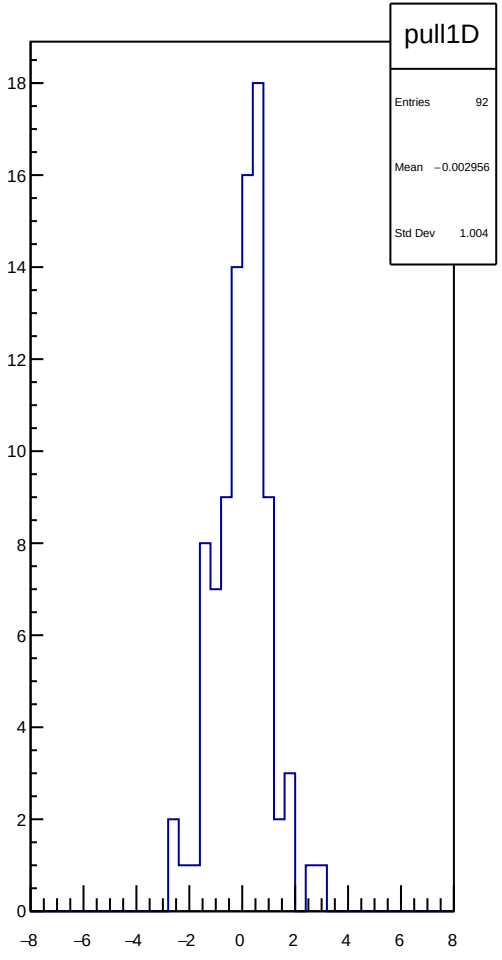

pull1D
Entries 92
Mean −0.002953
Std Dev 1.004

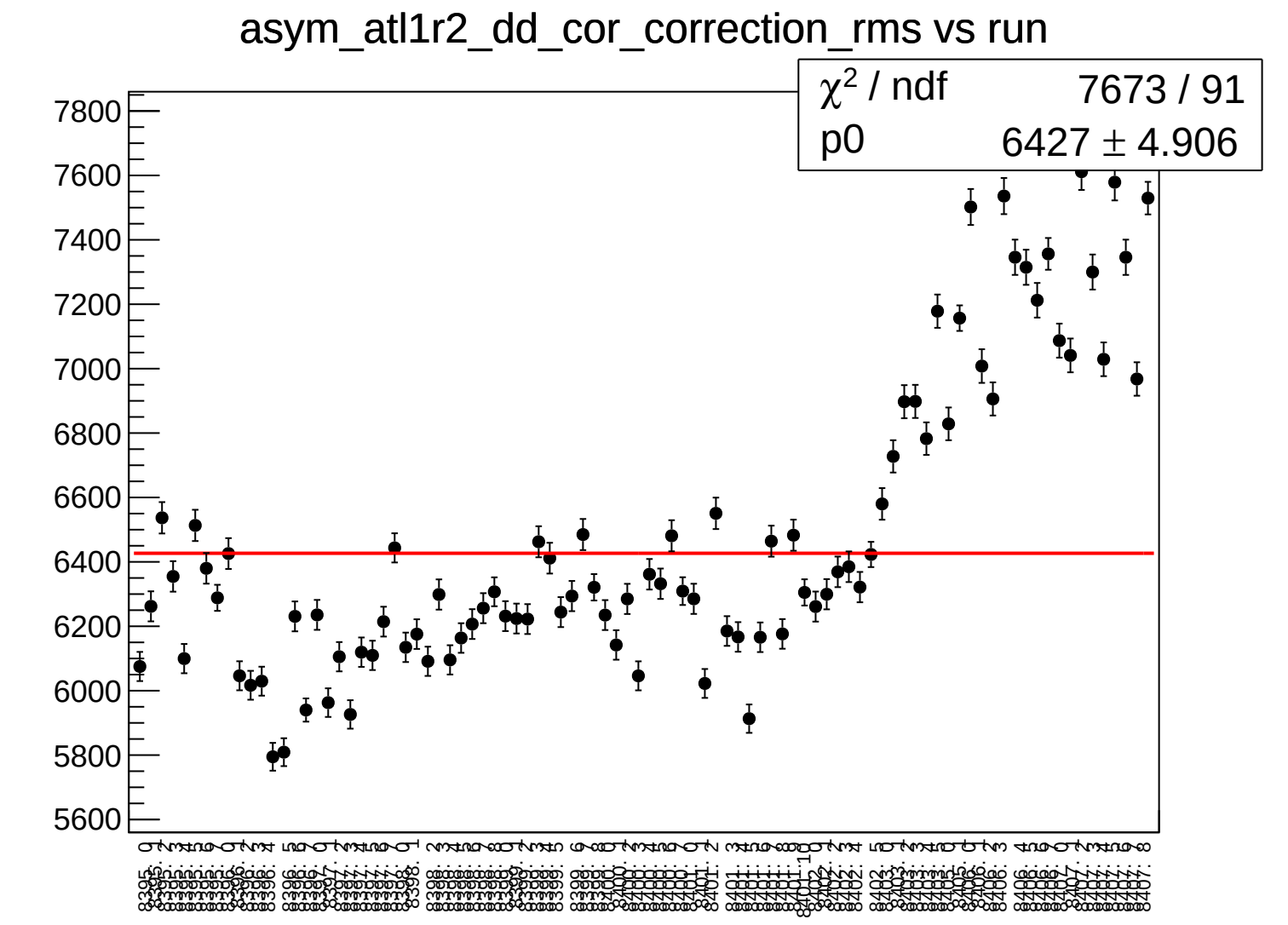

asym_atl1r2_dd_reg_correction_rms vs run
$\chi^2$ / ndf 7673 / 91
p0 6427 ± 4.906
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

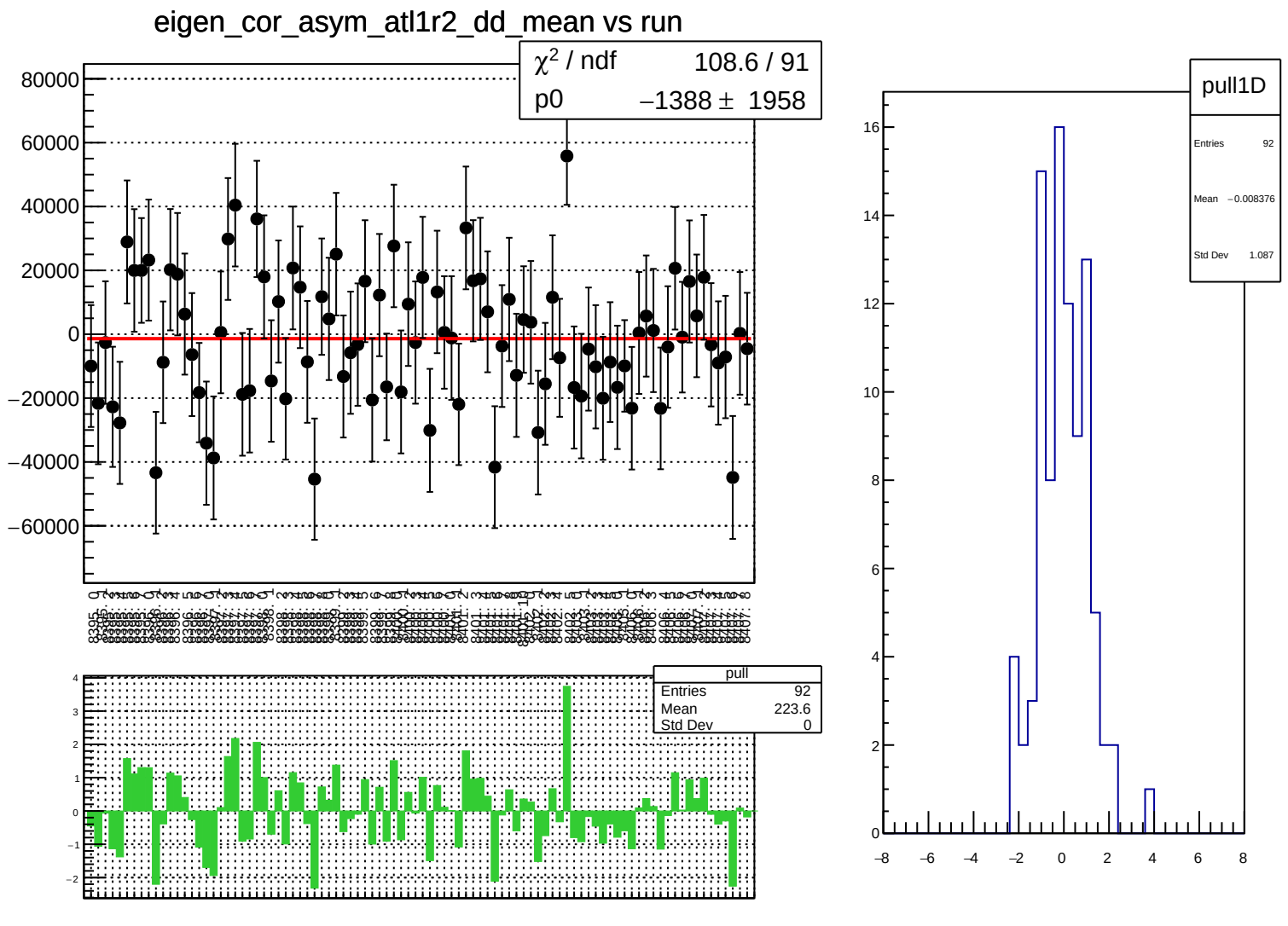

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 108.6 / 91
p0 −1388 ± 1958
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 223.6
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.008376
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

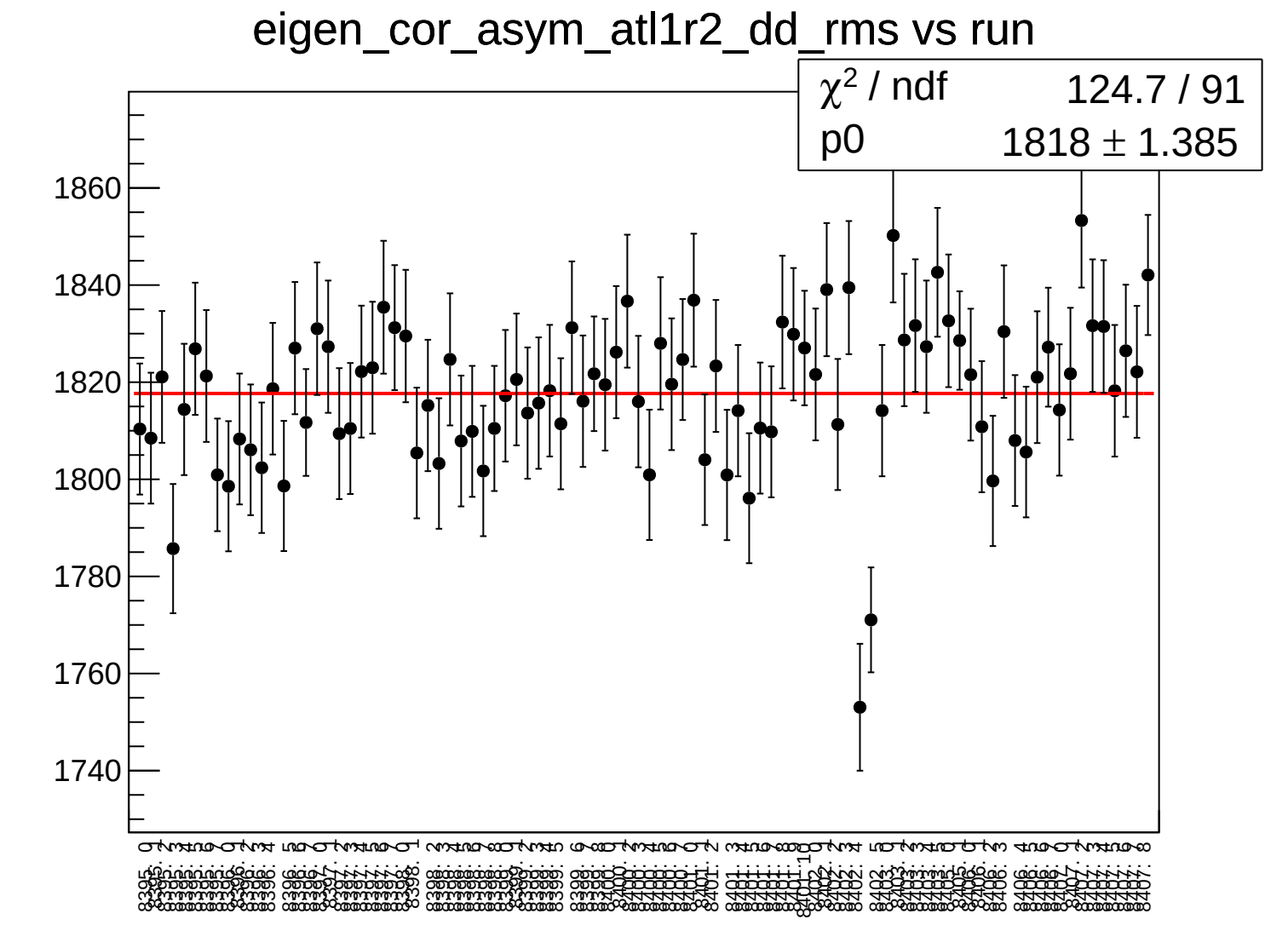

cor_asym_atl1r2_dd_rms vs run
$\chi^2$ / ndf 124.7 / 91
p0 1818 ± 1.385
1860
1840
1820
1800
1780
1760
1740

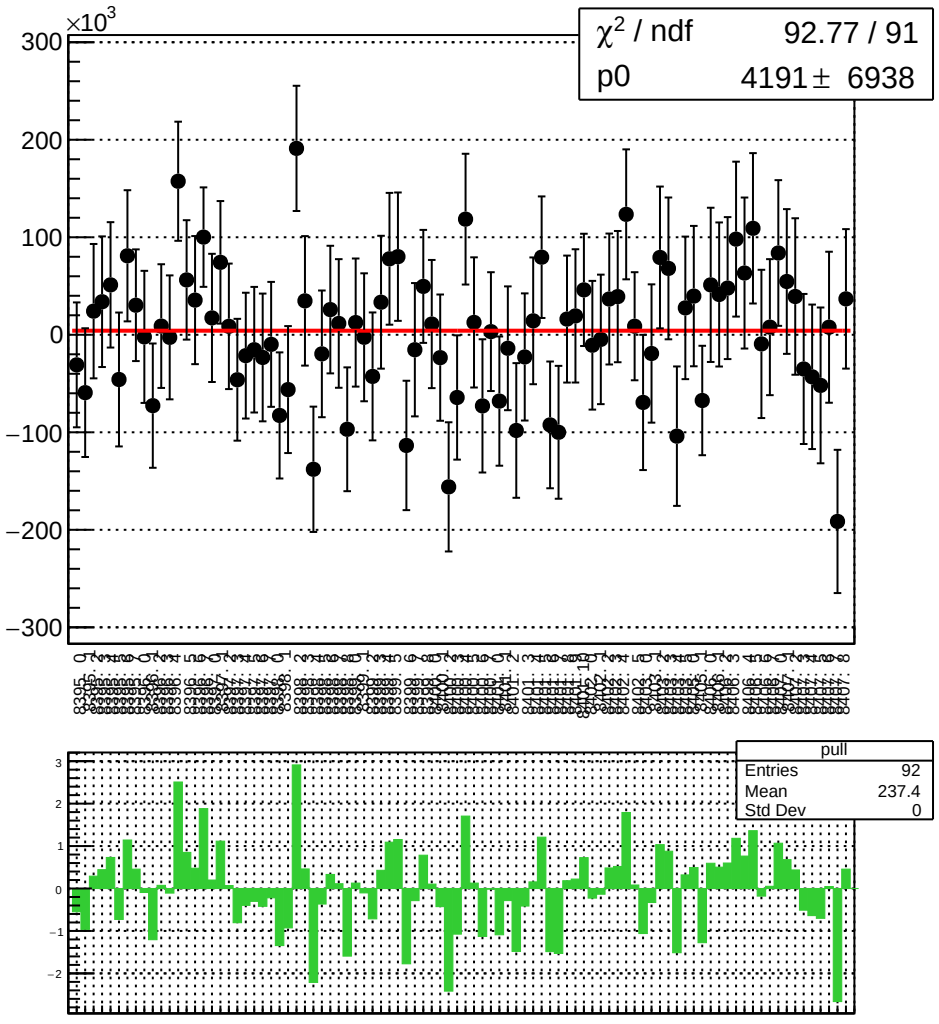

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 92.77 / 91
p0 4191 ± 6938
pull
Entries 92
Mean 237.4
Std Dev 0

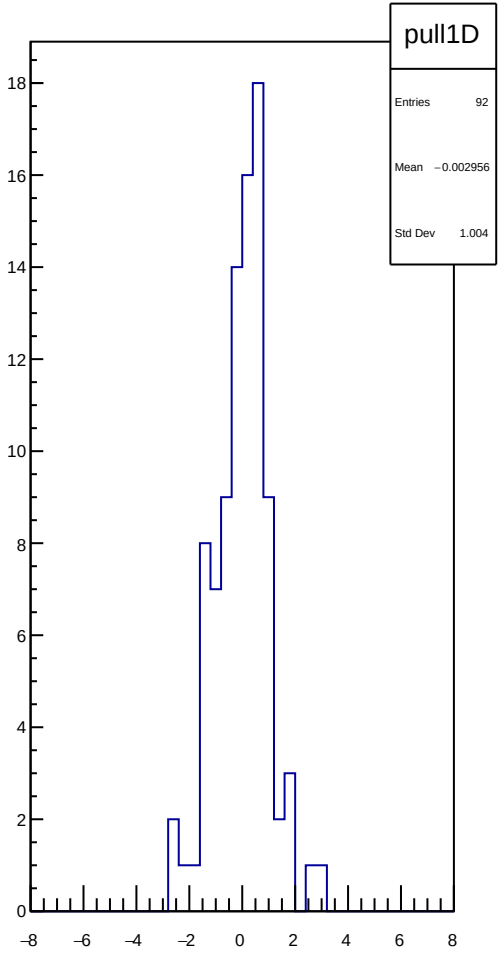

pull1D
Entries 92
Mean −0.002956
Std Dev 1.004

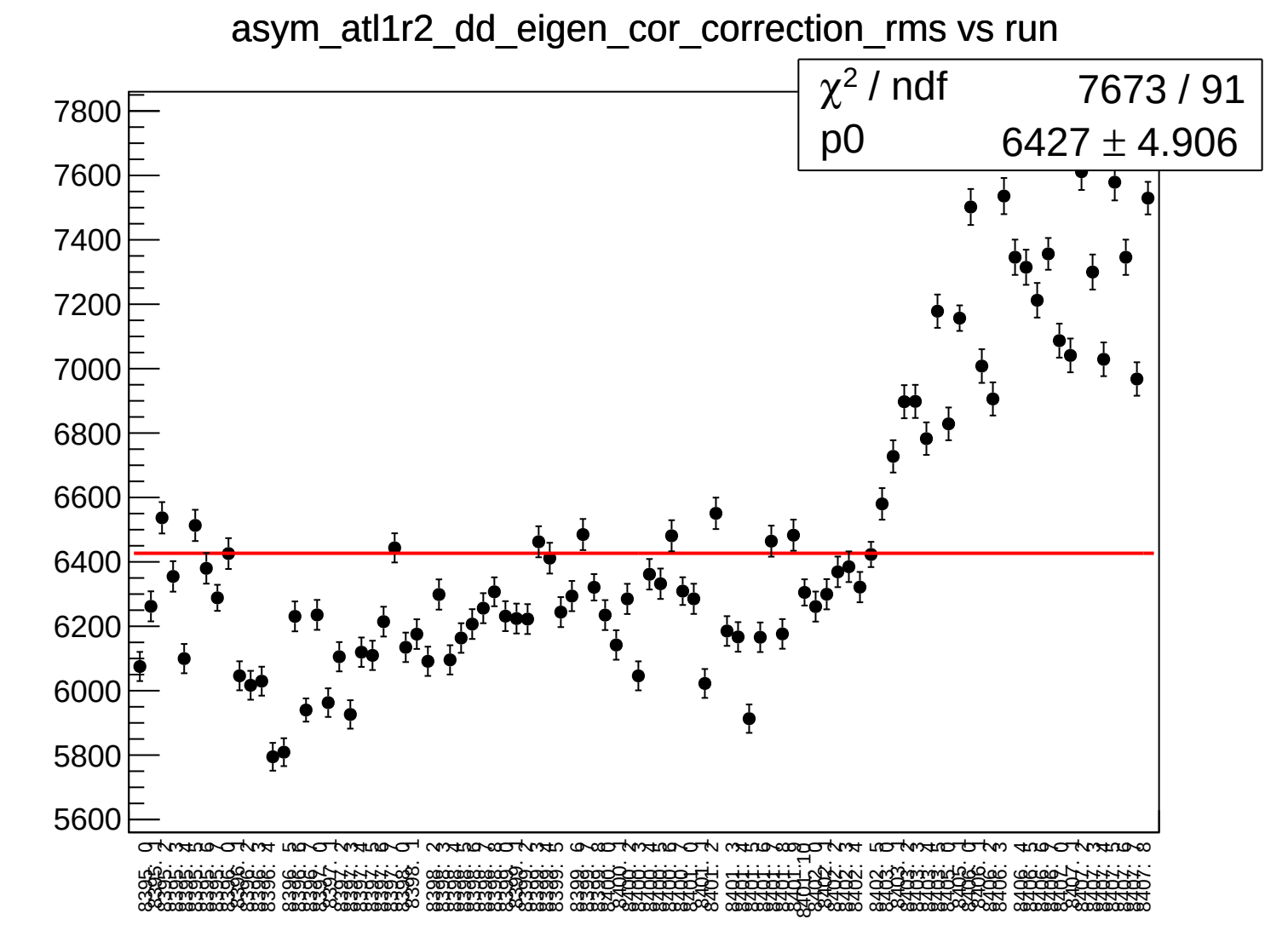

asym_atl1r2_dd_cor_correction_rms vs run
$\chi^2$ / ndf 7673 / 91
p0 6427 ± 4.906
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

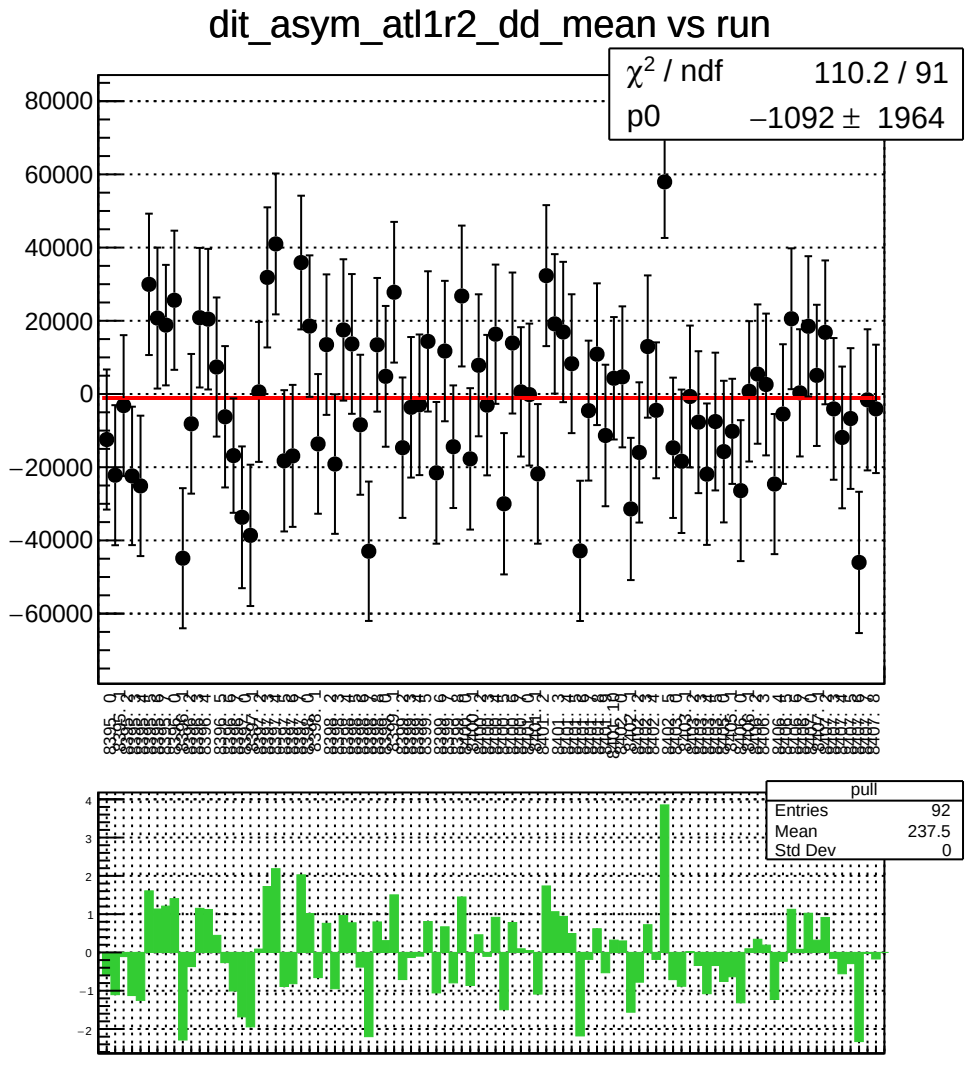

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 108.6 / 91
p0 −1388 ± 1958
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 223.6
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.008376
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

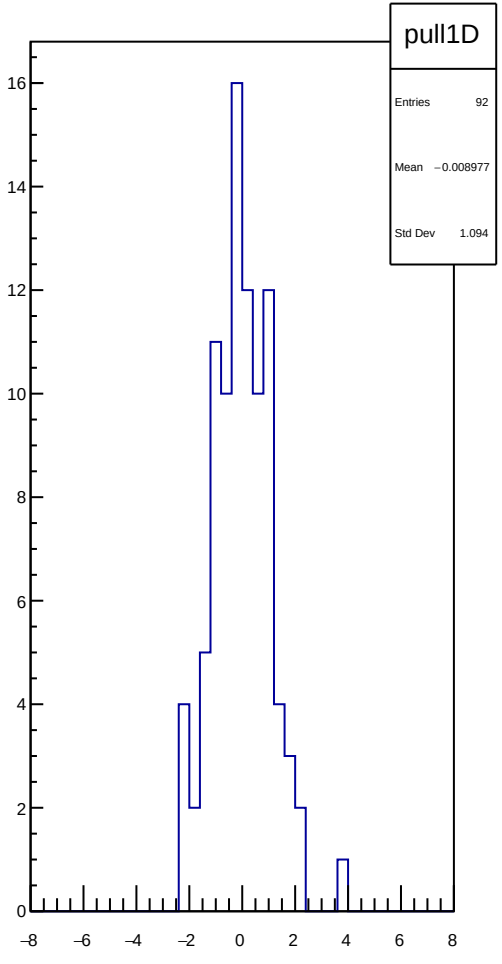

eigen_cor_asym_atl1r2_dd_rms vs run
$\chi^2$ / ndf 124.7 / 91
p0 1818 ± 1.385
1860
1840
1820
1800
1780
1760
1740

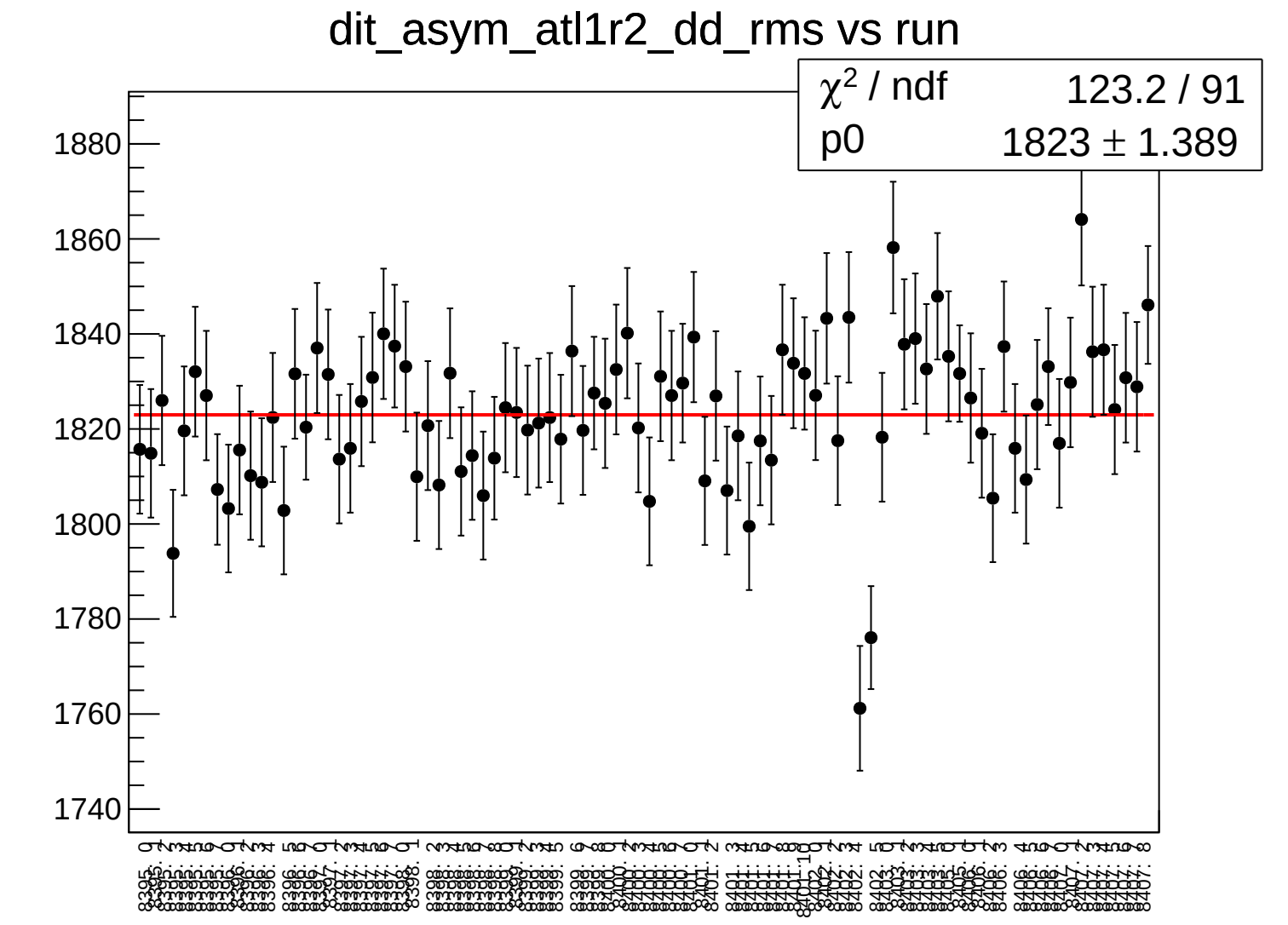

asym_atl1r2_dd_eigen_cor_correction_mean vs run
χ² / ndf 92.77 / 91
p0 4191 ± 6938
×10³
pull
Entries 92
Mean 237.4
Std Dev 0

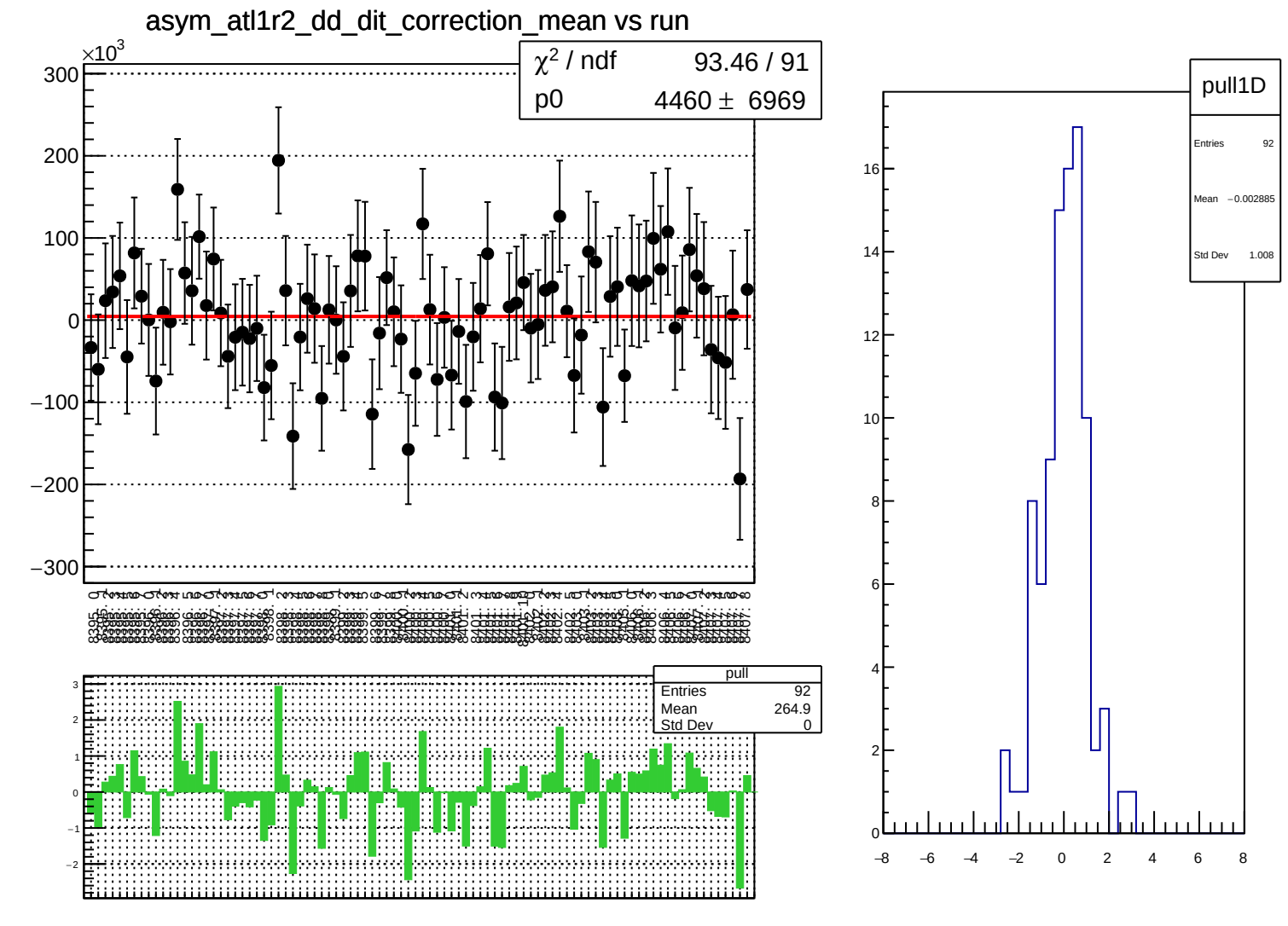

pull1D
Entries 92
Mean −0.002956
Std Dev 1.004

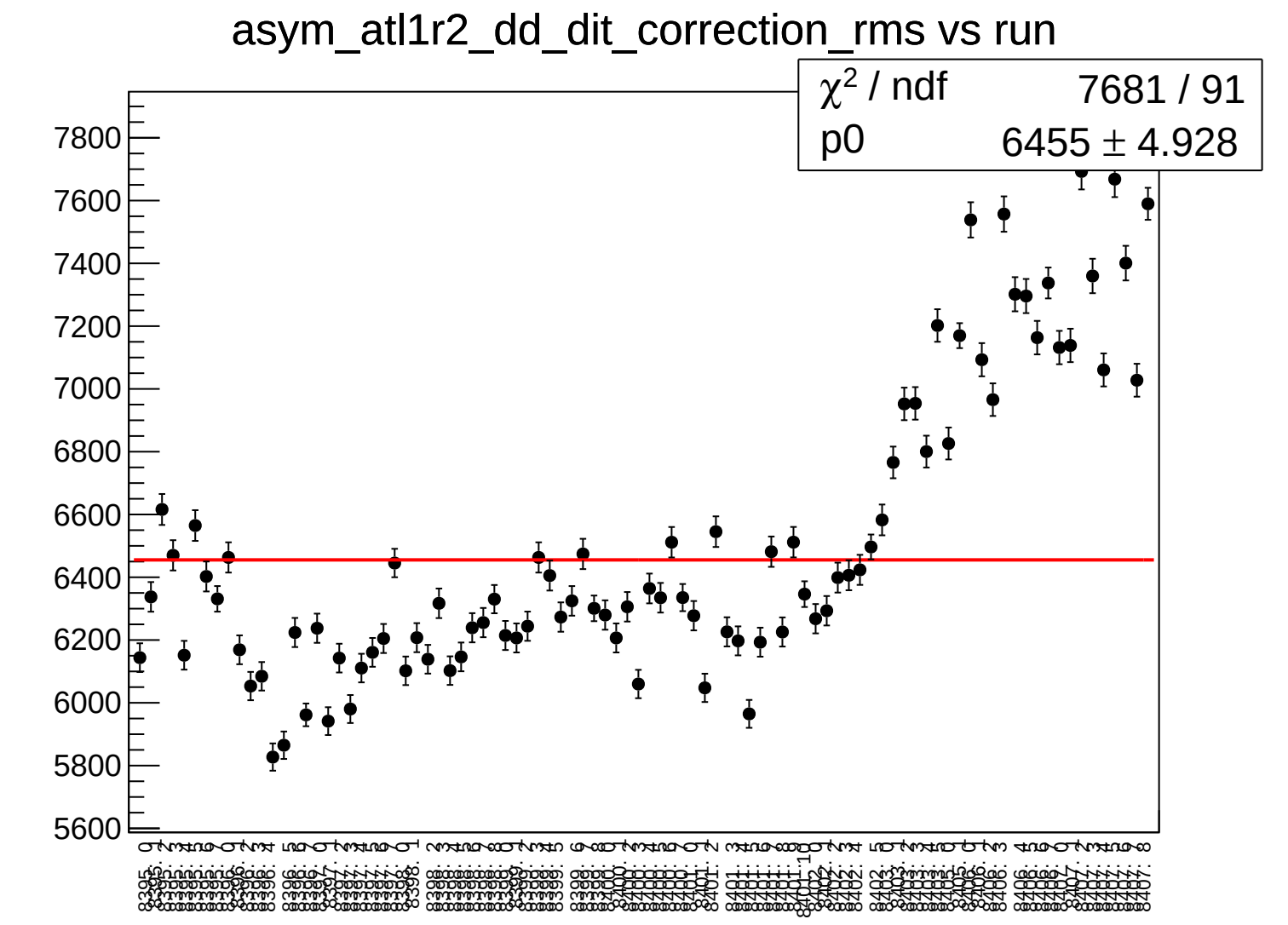

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7673 / 91
p0 6427 ± 4.906
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

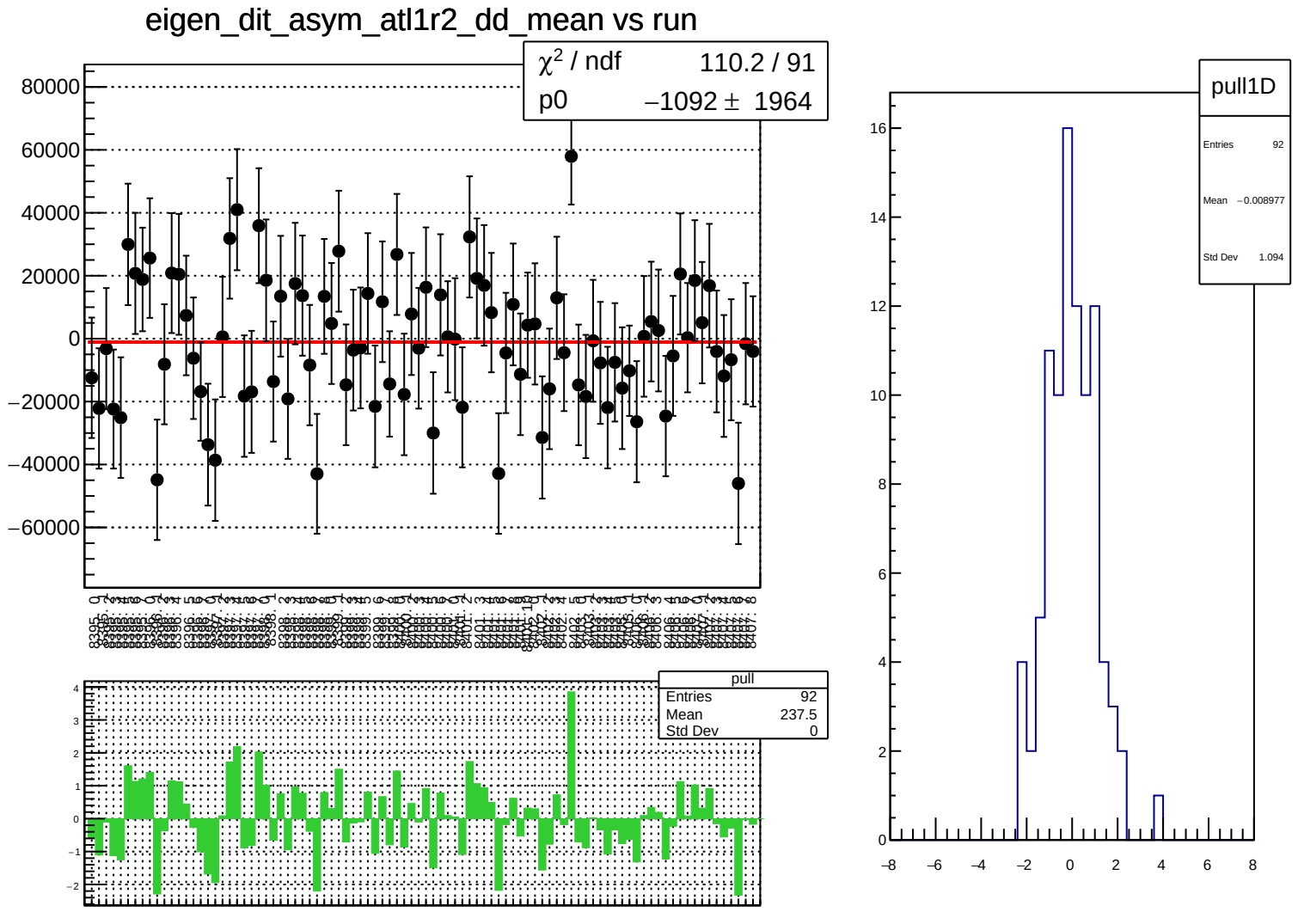

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 110.2 / 91
p0 −1092 ± 1964
pull
Entries 92
Mean 237.5
Std Dev 0

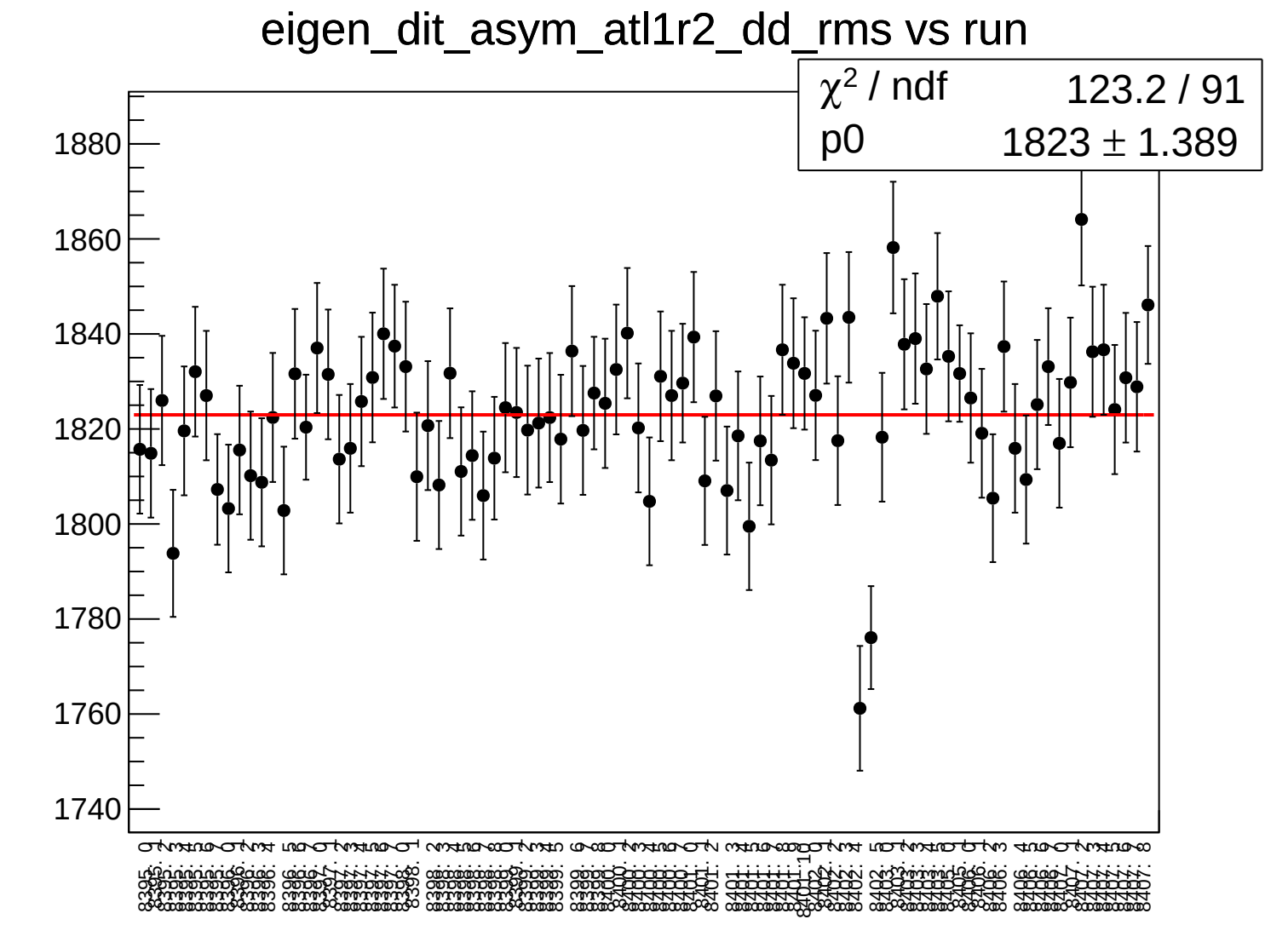

pull1D
Entries 92
Mean −0.008977
Std Dev 1.094

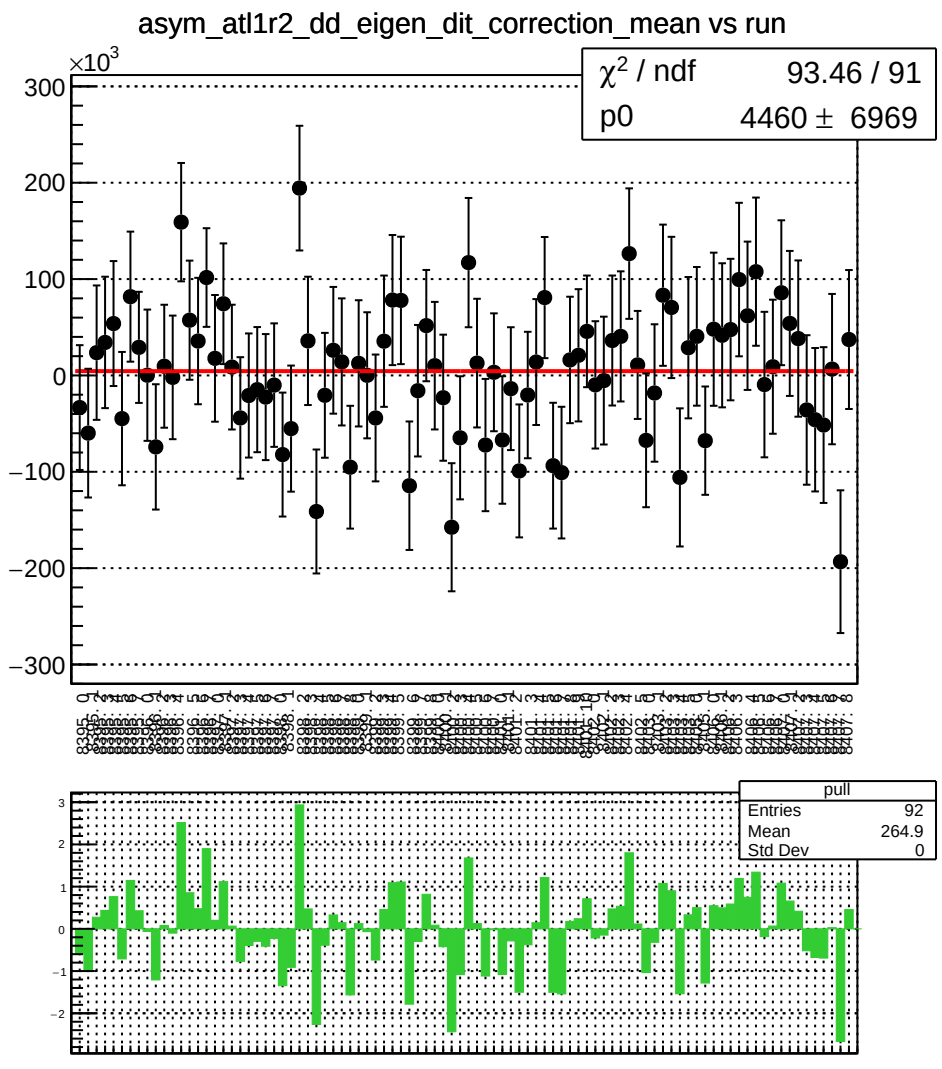

dit_asym_atl1r2_dd_rms vs run
$\chi^2$ / ndf 123.2 / 91
p0 1823 ± 1.389
1880
1860
1840
1820
1800
1780
1760
1740

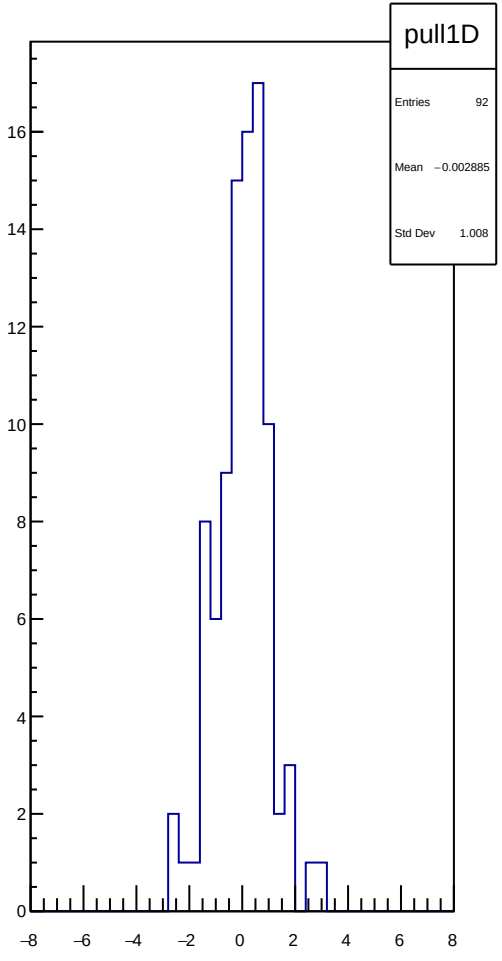

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 93.46 / 91
p0 4460 ± 6969
pull
Entries 92
Mean 264.9
Std Dev 0
pull1D
Entries 92
Mean −0.002885
Std Dev 1.008

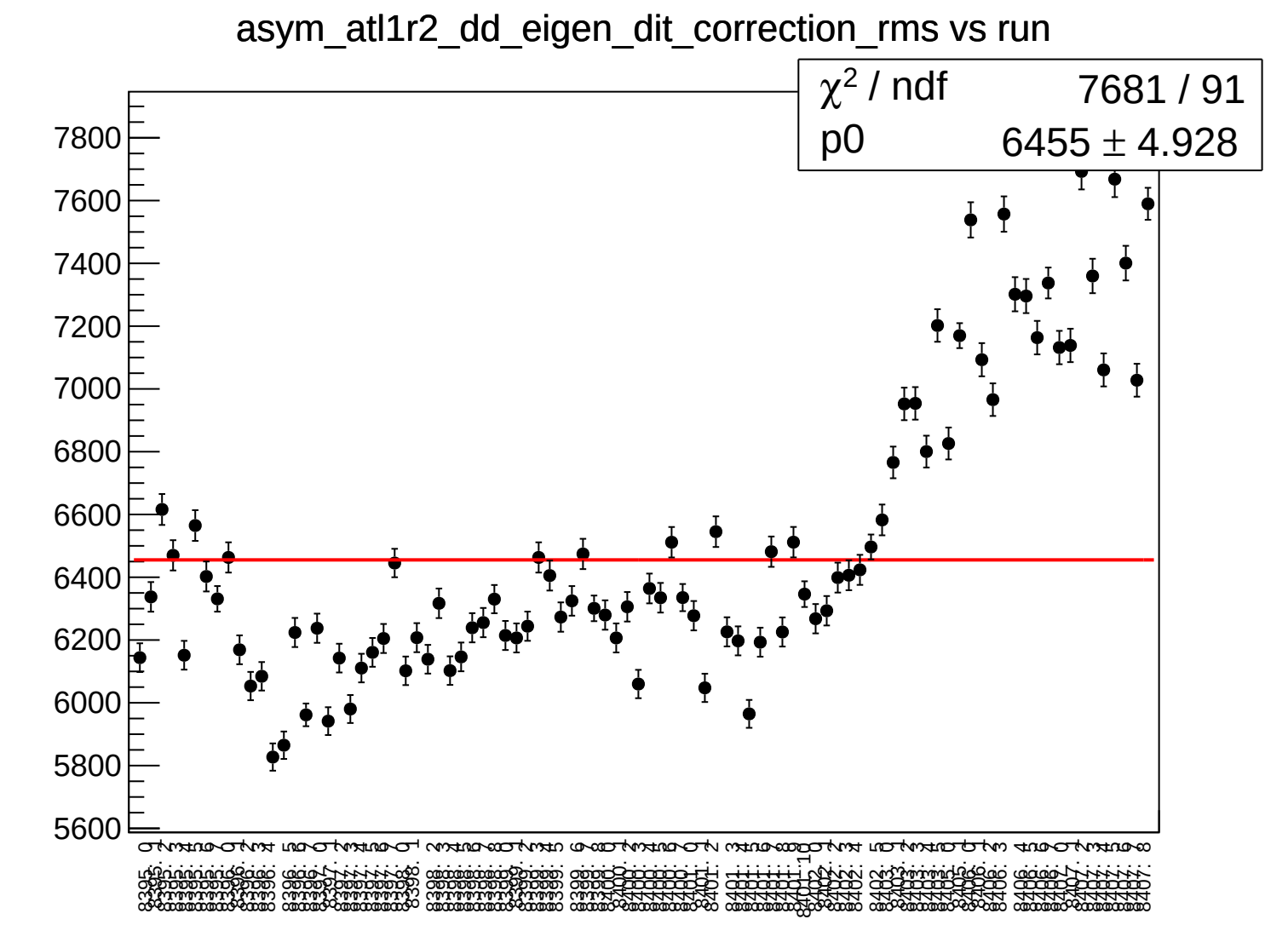

asym_atl1r2_dd_dit_correction_rms vs run
$\chi^2$ / ndf 7681 / 91
p0 6455 ± 4.928
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

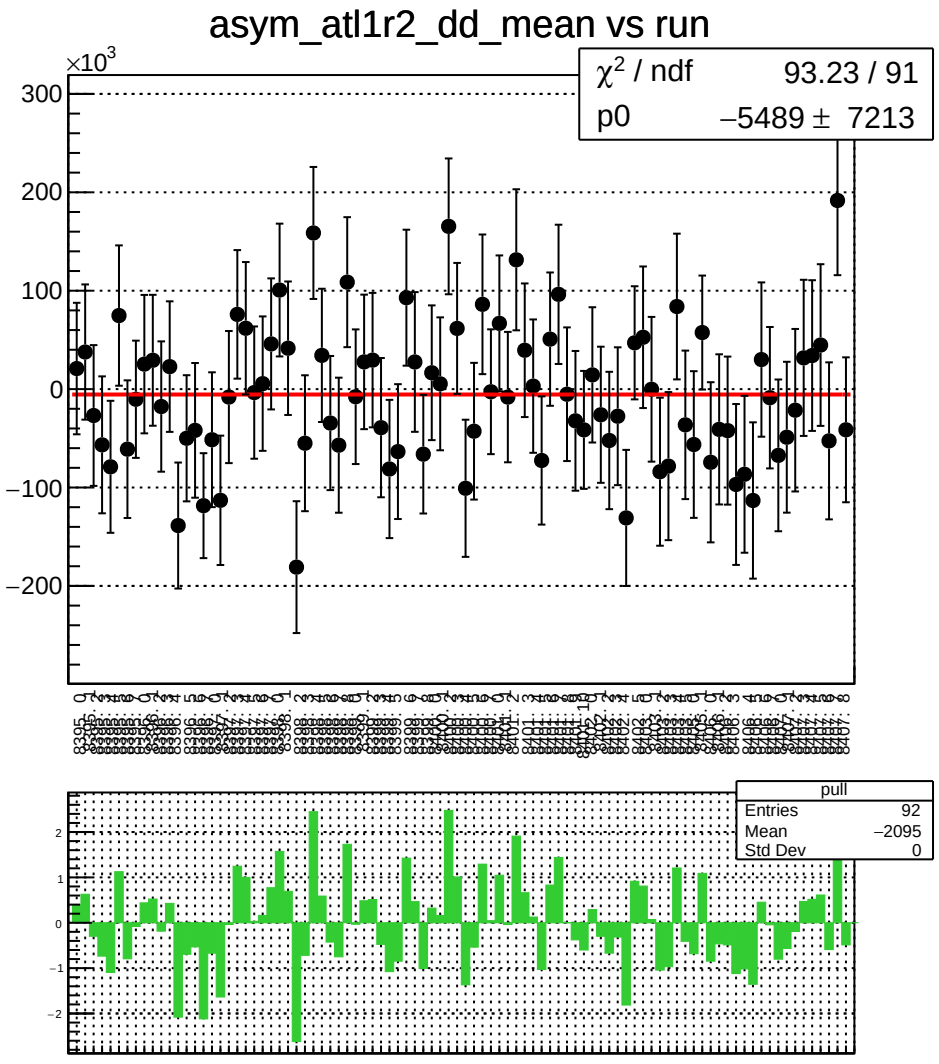

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 110.2 / 91
p0 −1092 ± 1964
pull
Entries 92
Mean 237.5
Std Dev 0
pull1D
Entries 92
Mean −0.008977
Std Dev 1.094

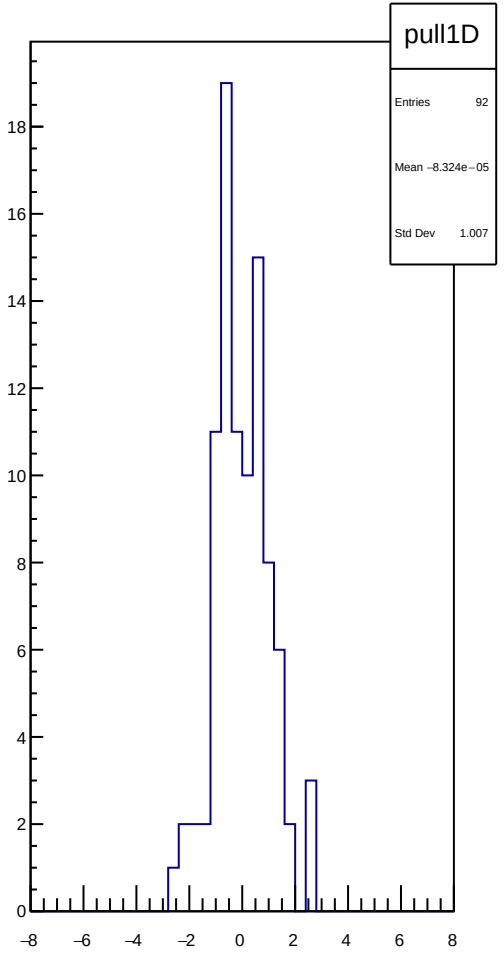

eigen_dit_asym_atl1r2_dd_rms vs run
$\chi^2$ / ndf 123.2 / 91
p0 1823 ± 1.389
1880
1860
1840
1820
1800
1780
1760
1740

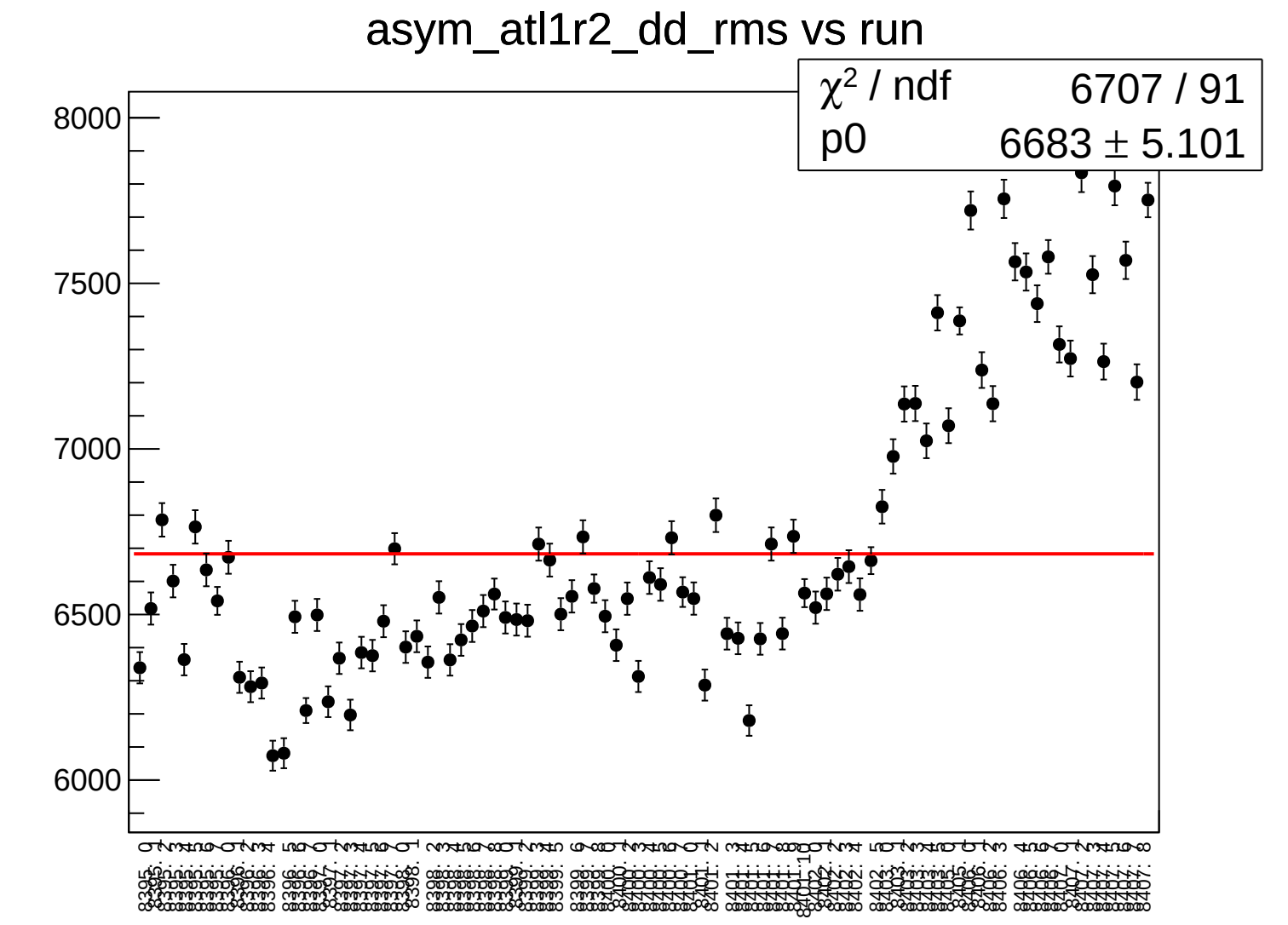

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 93.46 / 91
p0 4460 ± 6969
pull
Entries 92
Mean 264.9
Std Dev 0

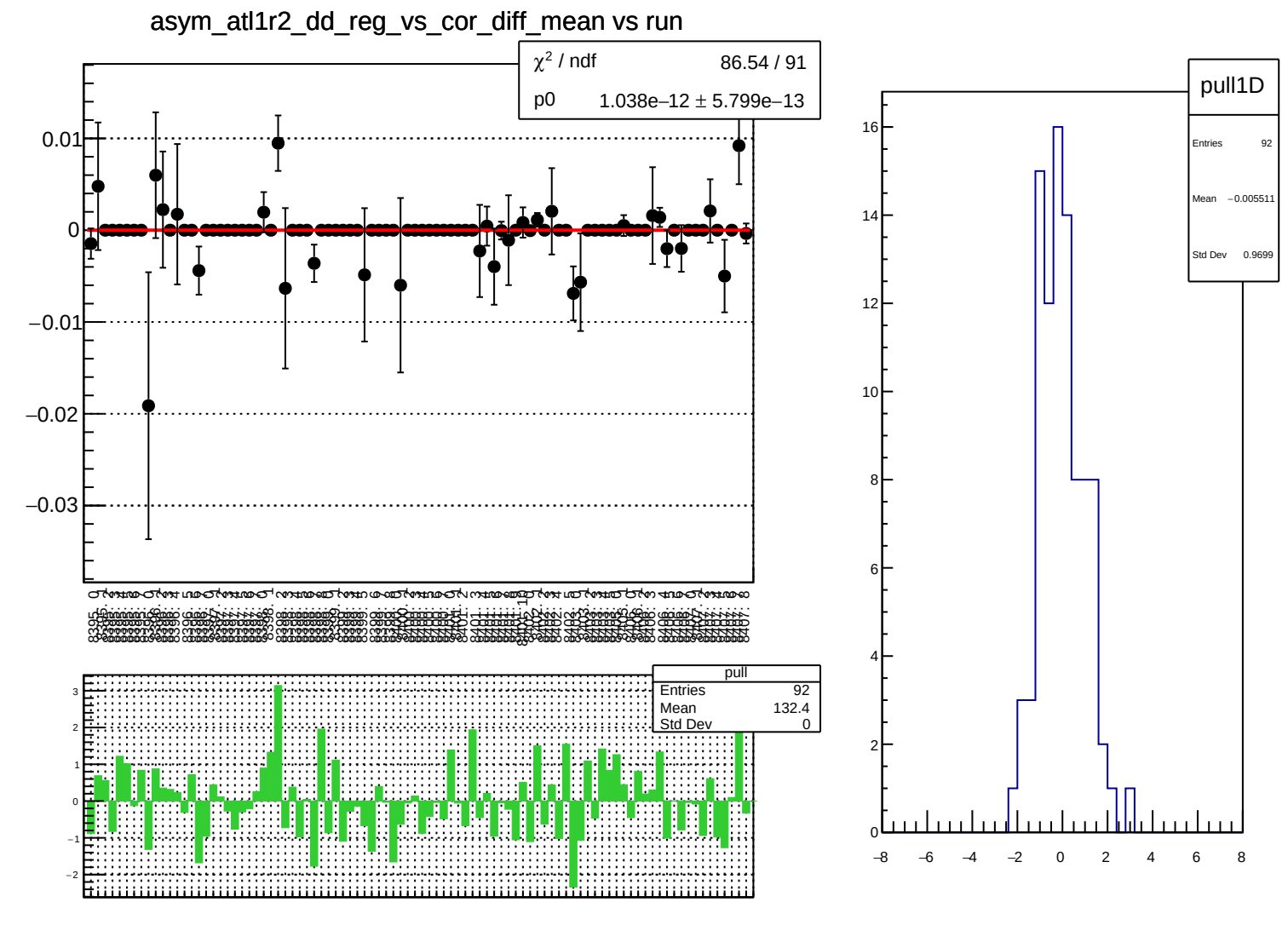

pull1D
Entries 92
Mean −0.002885
Std Dev 1.008

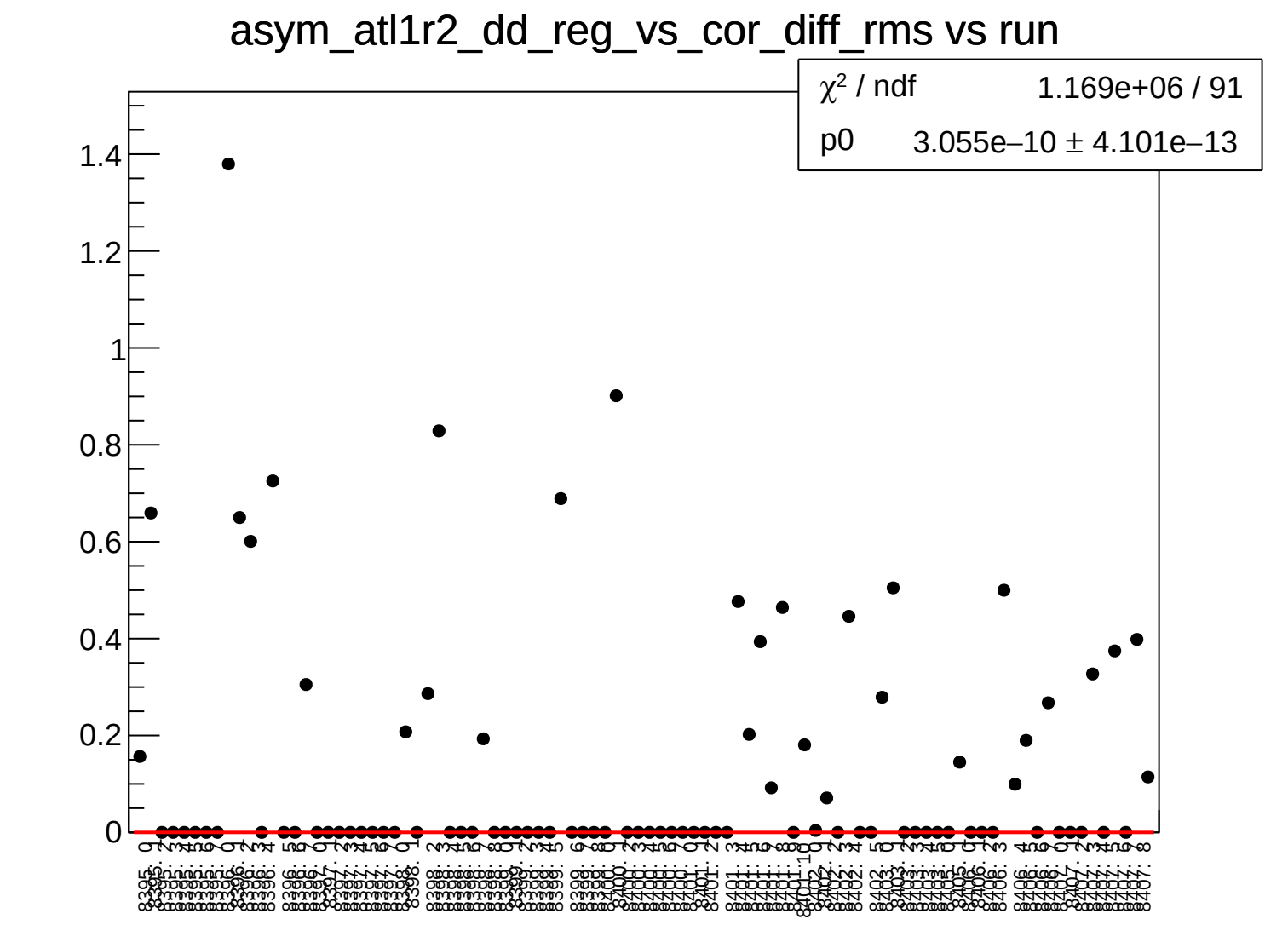

asym_atl1r2_dd_eigen_dit_correction_rms vs run
$\chi^2$ / ndf 7681 / 91
p0 6455 ± 4.928
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

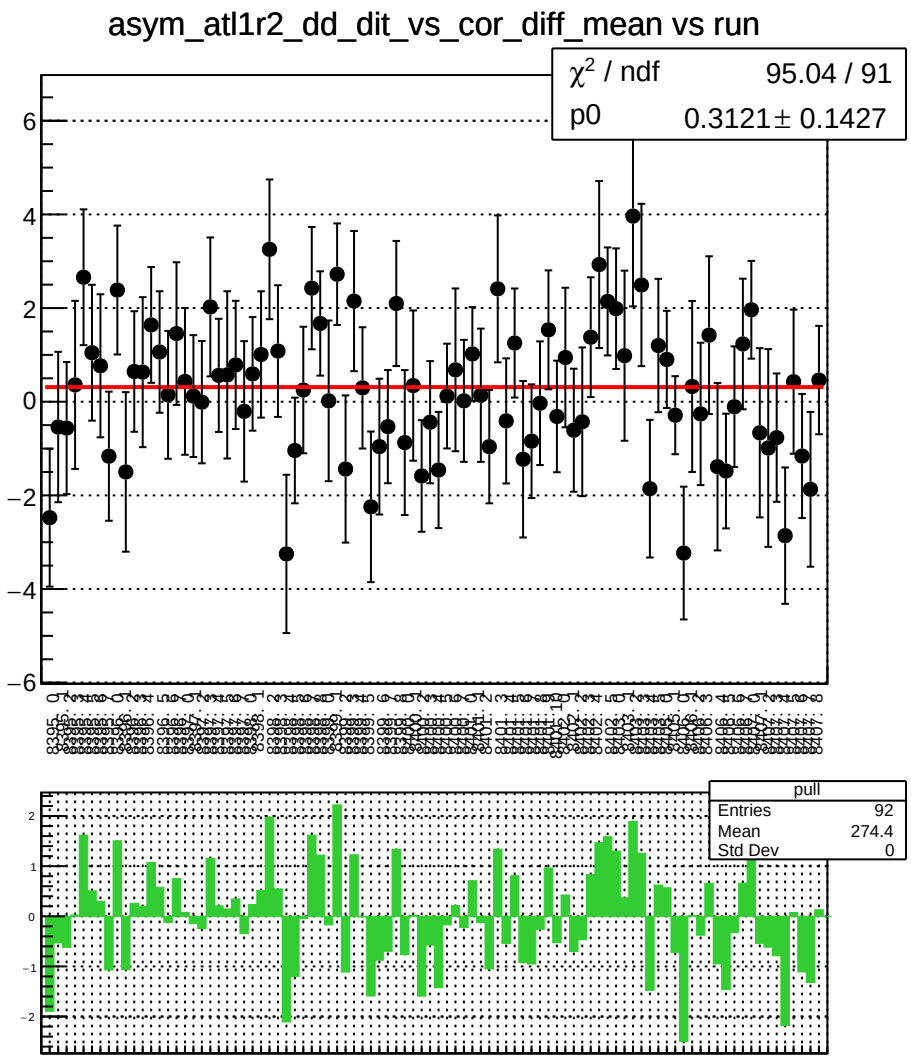

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 93.23 / 91
p0 −5489 ± 7213
300
200
100
0
−100
−200
pull
Entries 92
Mean −2095
Std Dev 0
2
1
0
−1
−2

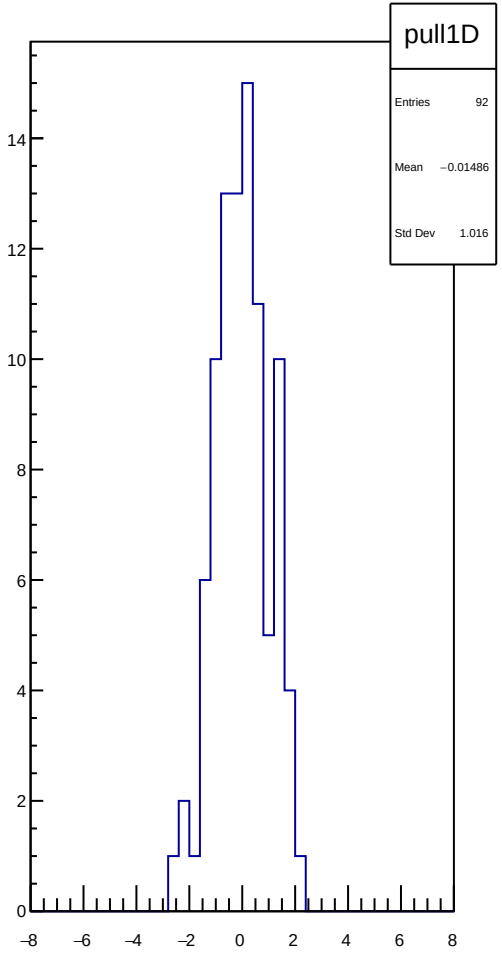

pull1D
Entries 92
Mean −8.324e−05
Std Dev 1.007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

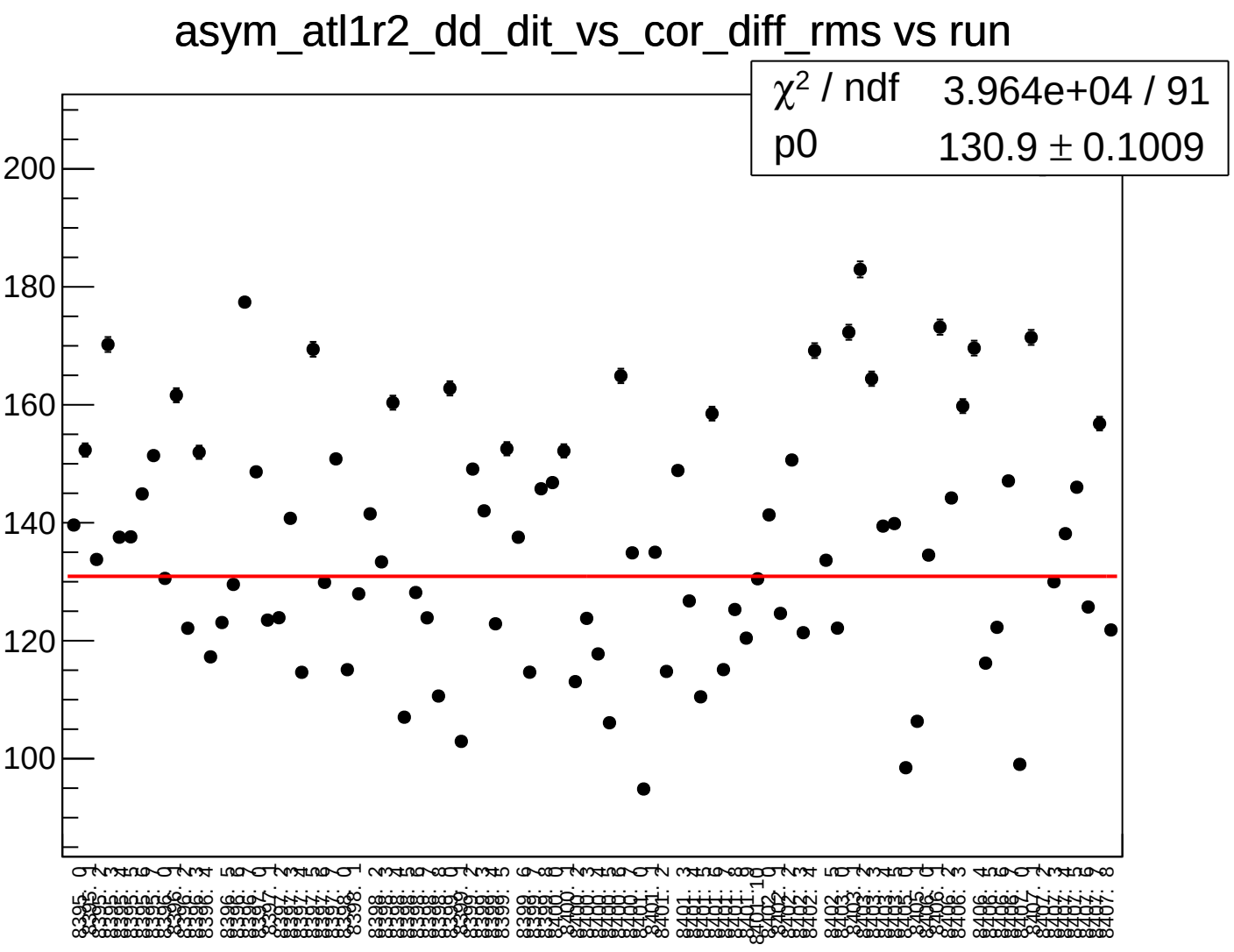

asym_atl1r2_dd_rms vs run
$\chi^2$ / ndf 6707 / 91
p0 6683 ± 5.101
8000
7500
7000
6500
6000

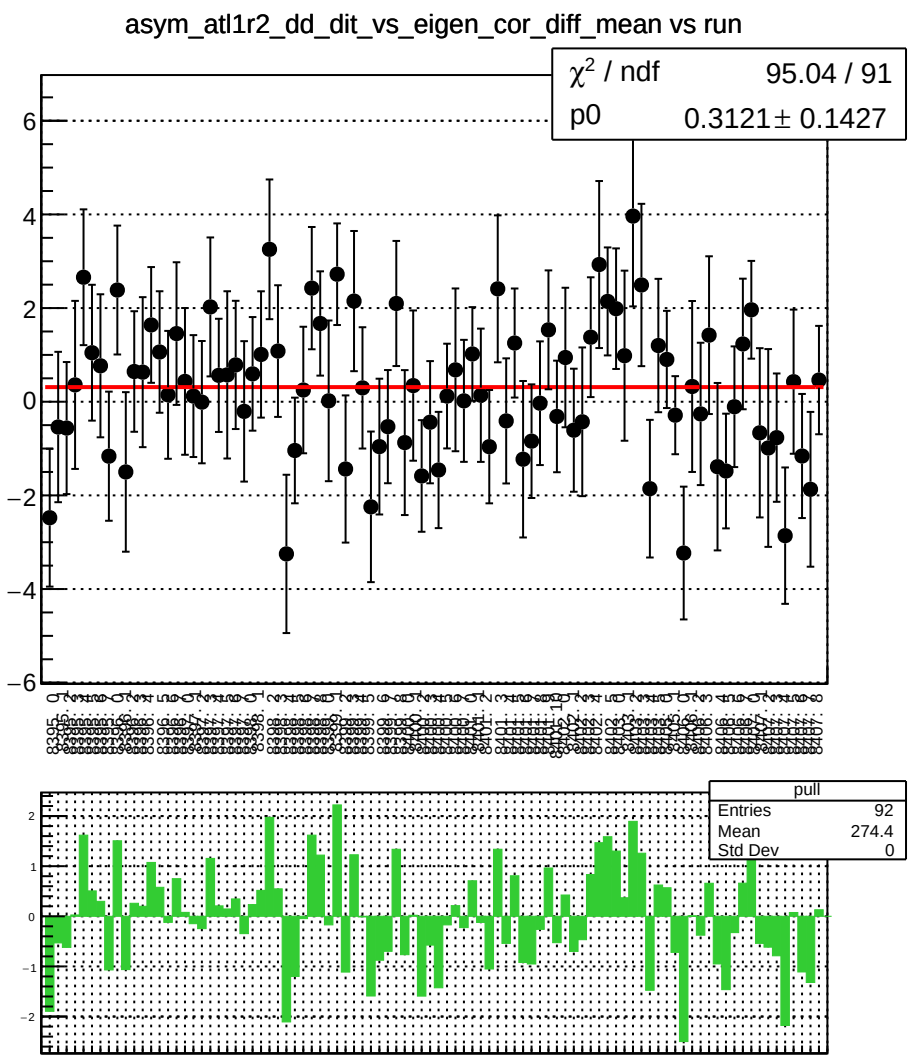

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 86.54 / 91
p0 1.038e−12 ± 5.799e−13
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 132.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.005511
Std Dev 0.9699
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

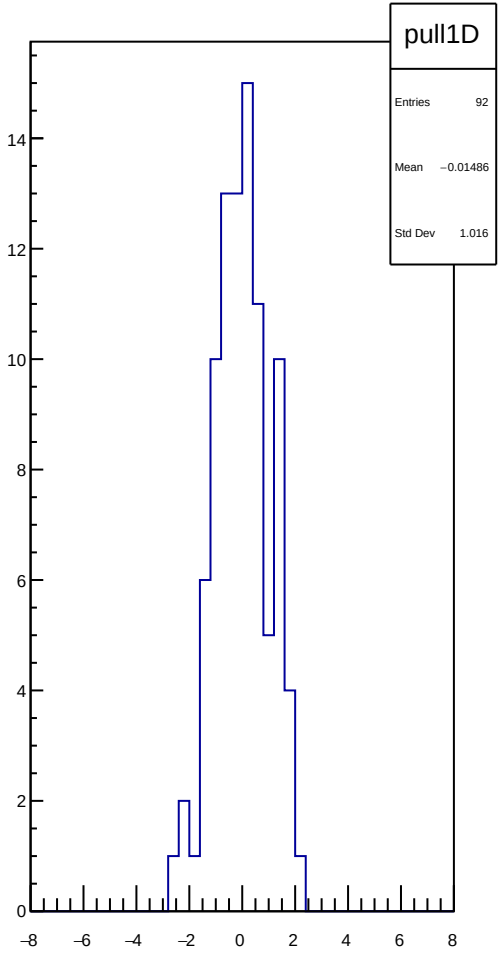

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.169e+06 / 91
p0 3.055e−10 ± 4.101e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

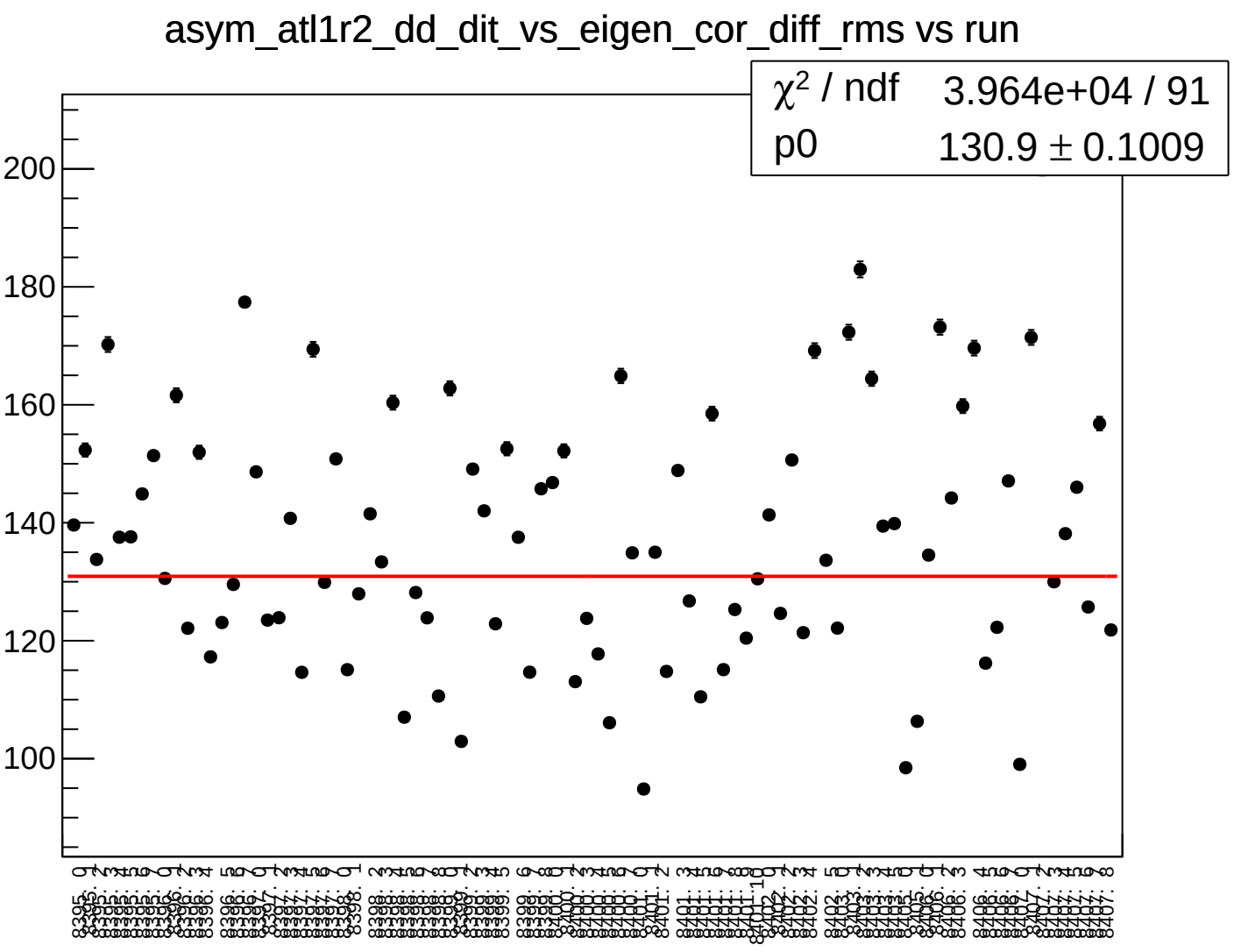

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.04 / 91
p0 0.3121 ± 0.1427
pull
Entries 92
Mean 274.4
Std Dev 0

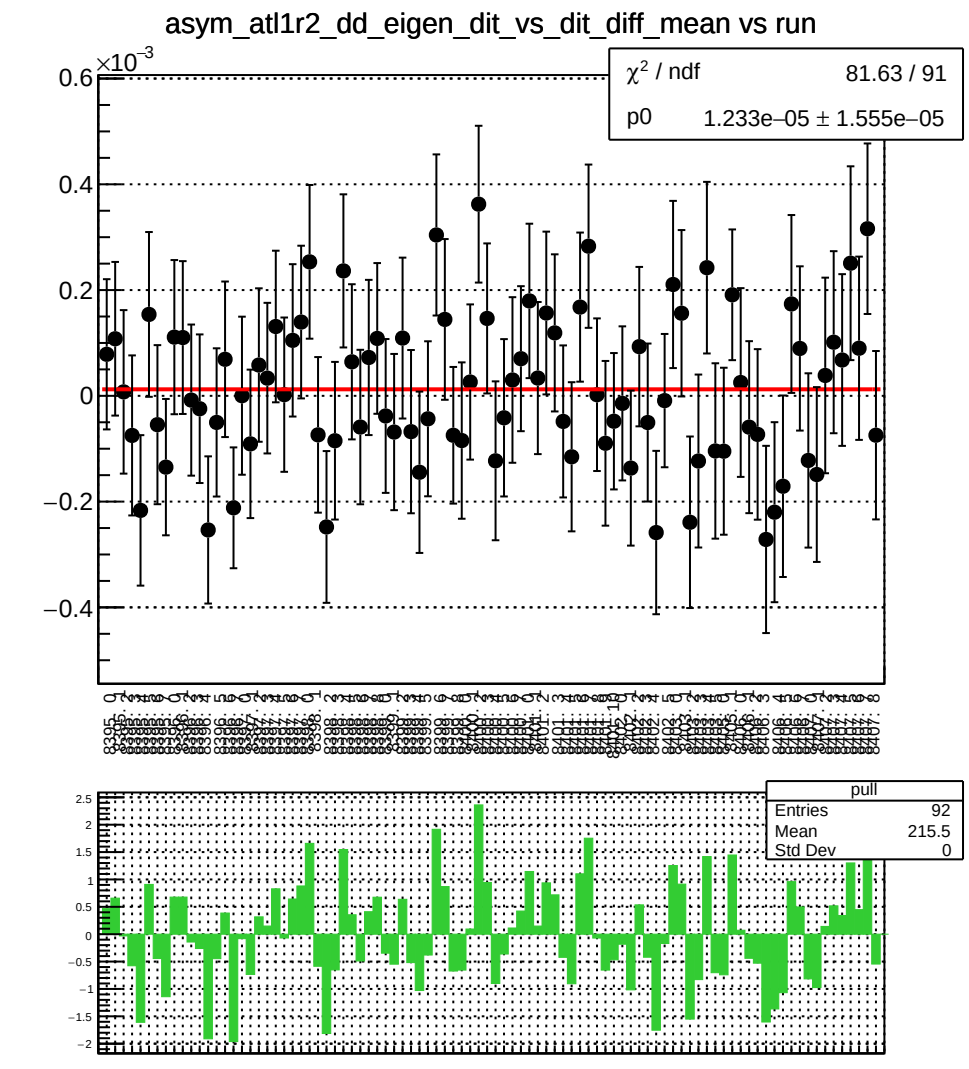

pull1D
Entries 92
Mean −0.01486
Std Dev 1.016

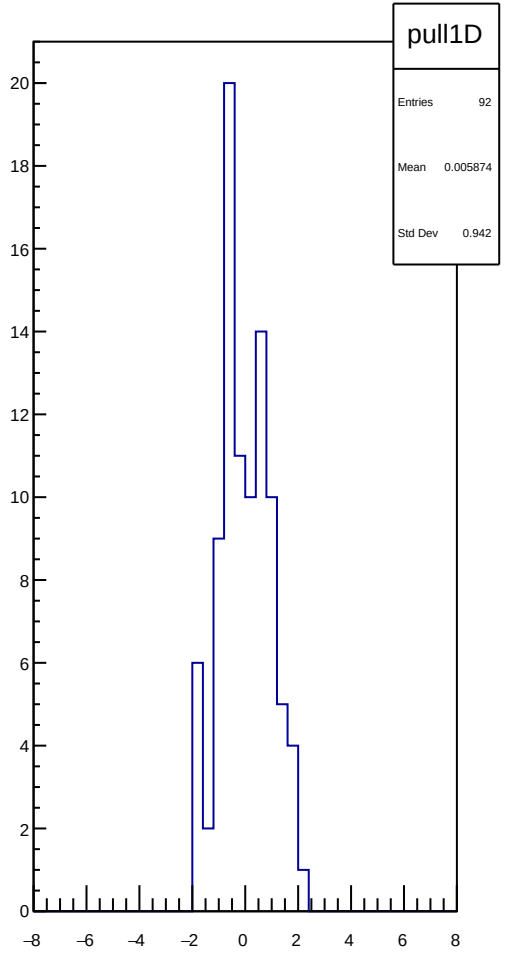

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.964e+04 / 91
p0 130.9 ± 0.1009
200
180
160
140
120
100

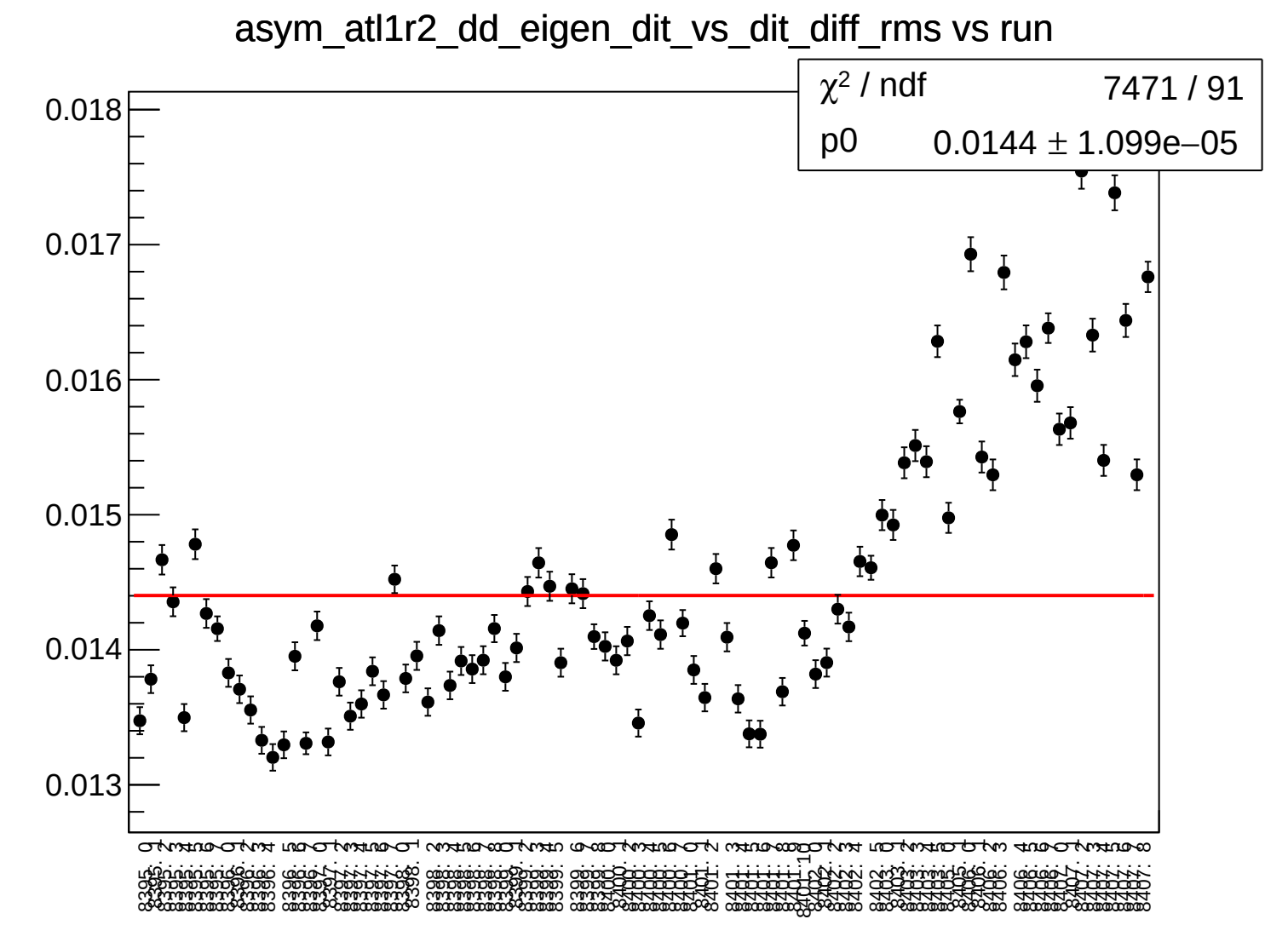

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.04 / 91
p0 0.3121± 0.1427
pull
Entries 92
Mean 274.4
Std Dev 0

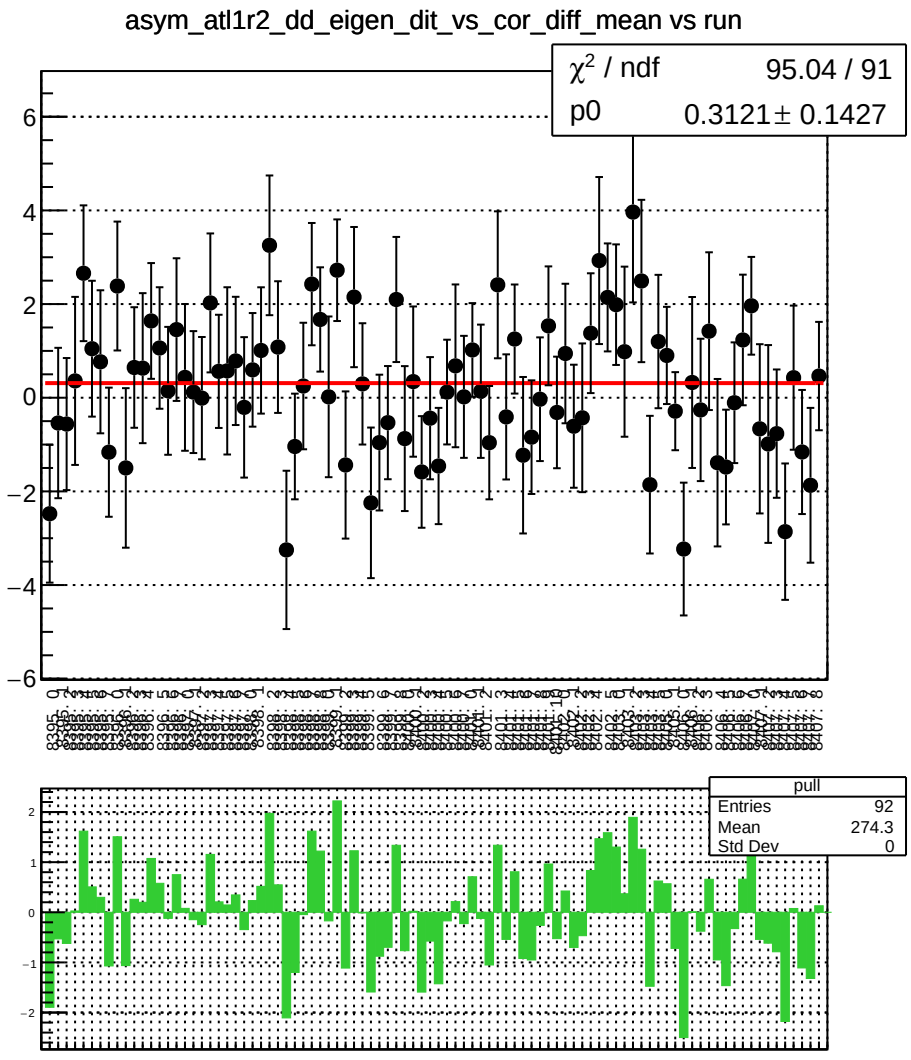

pull1D
Entries 92
Mean −0.01486
Std Dev 1.016

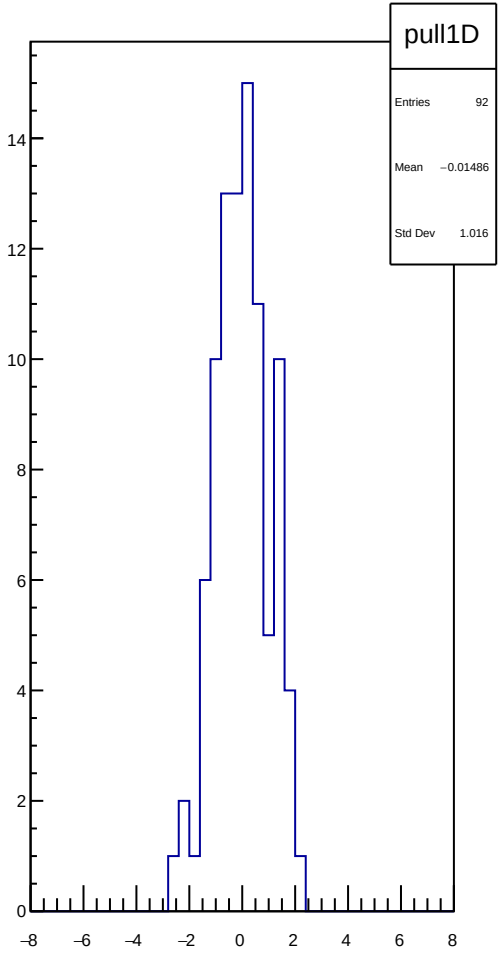

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.964e+04 / 91
p0 130.9 ± 0.1009
200
180
160
140
120
100

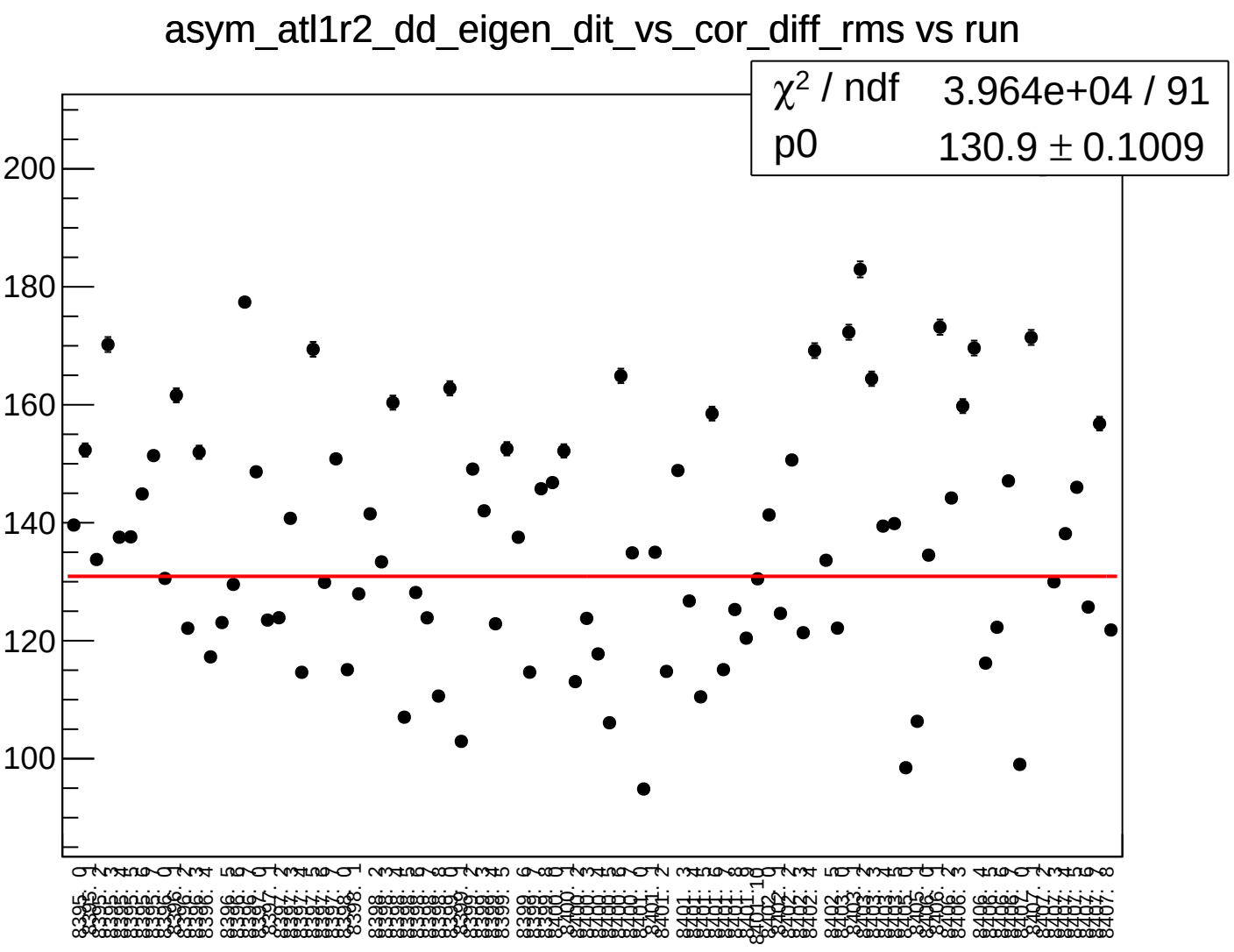

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.63 / 91
p0 1.233e−05 ± 1.555e−05
pull
Entries 92
Mean 215.5
Std Dev 0

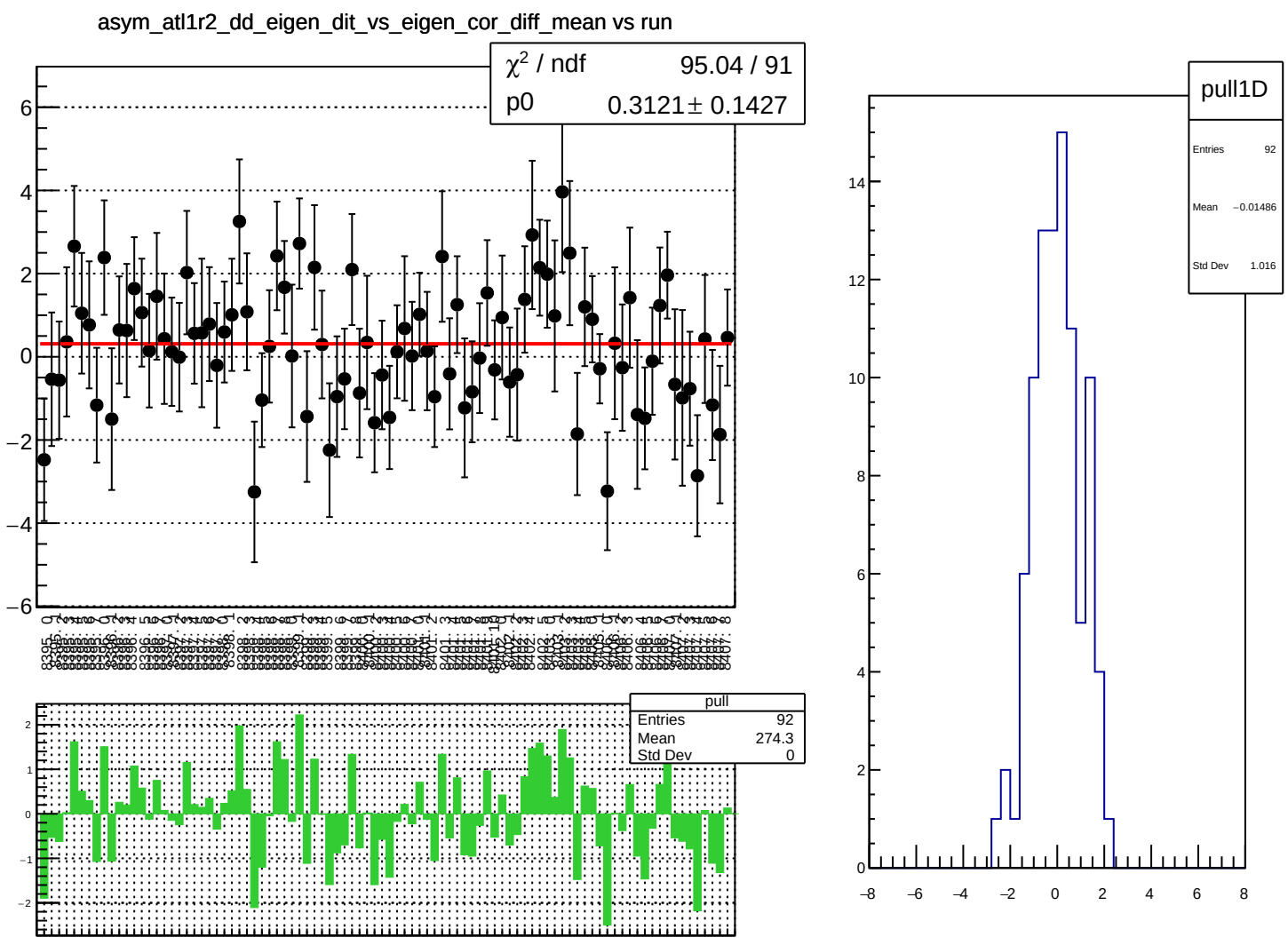

pull1D
Entries 92
Mean 0.005874
Std Dev 0.942

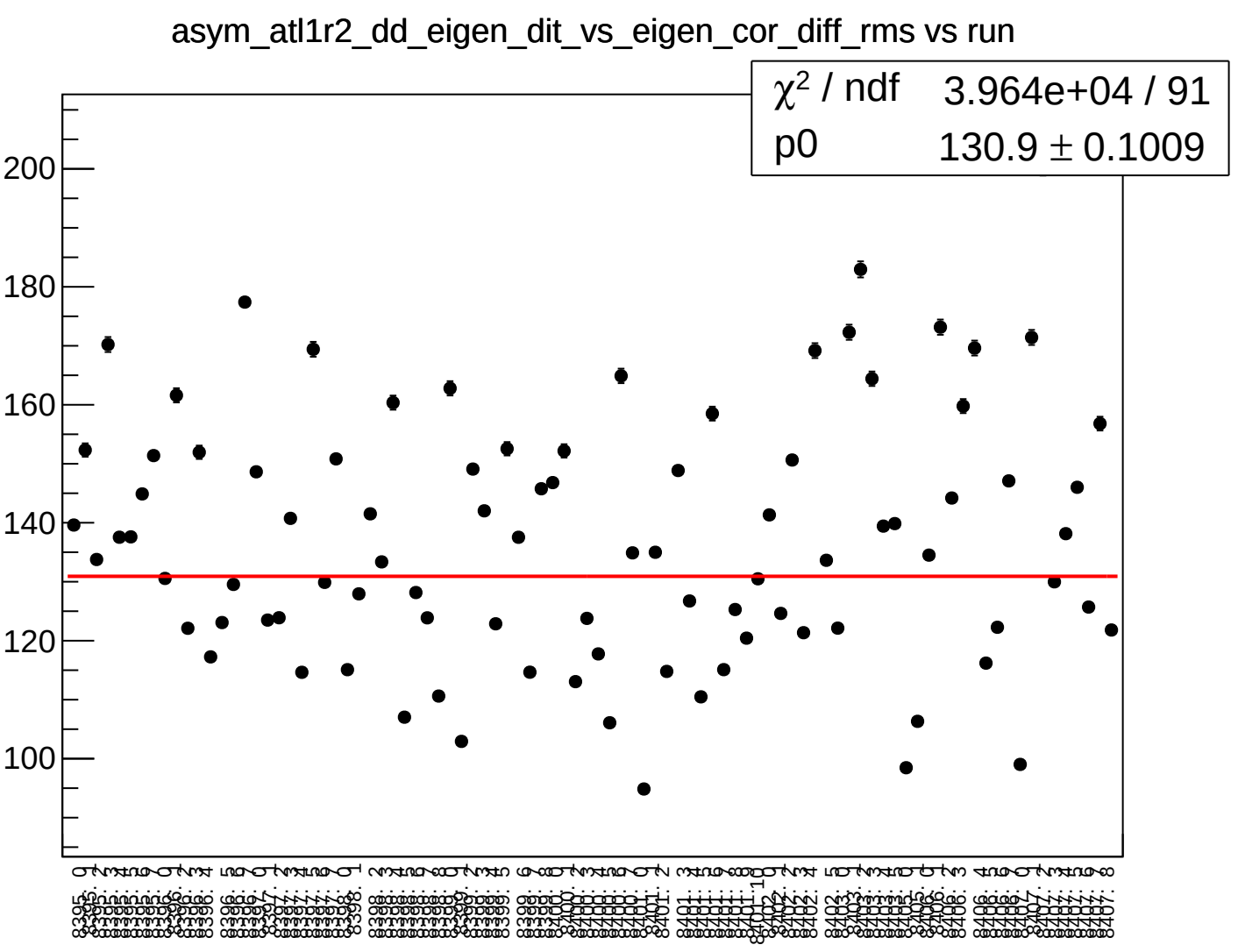

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7471 / 91
p0 0.0144 ± 1.099e−05
0.018
0.017
0.016
0.015
0.014
0.013

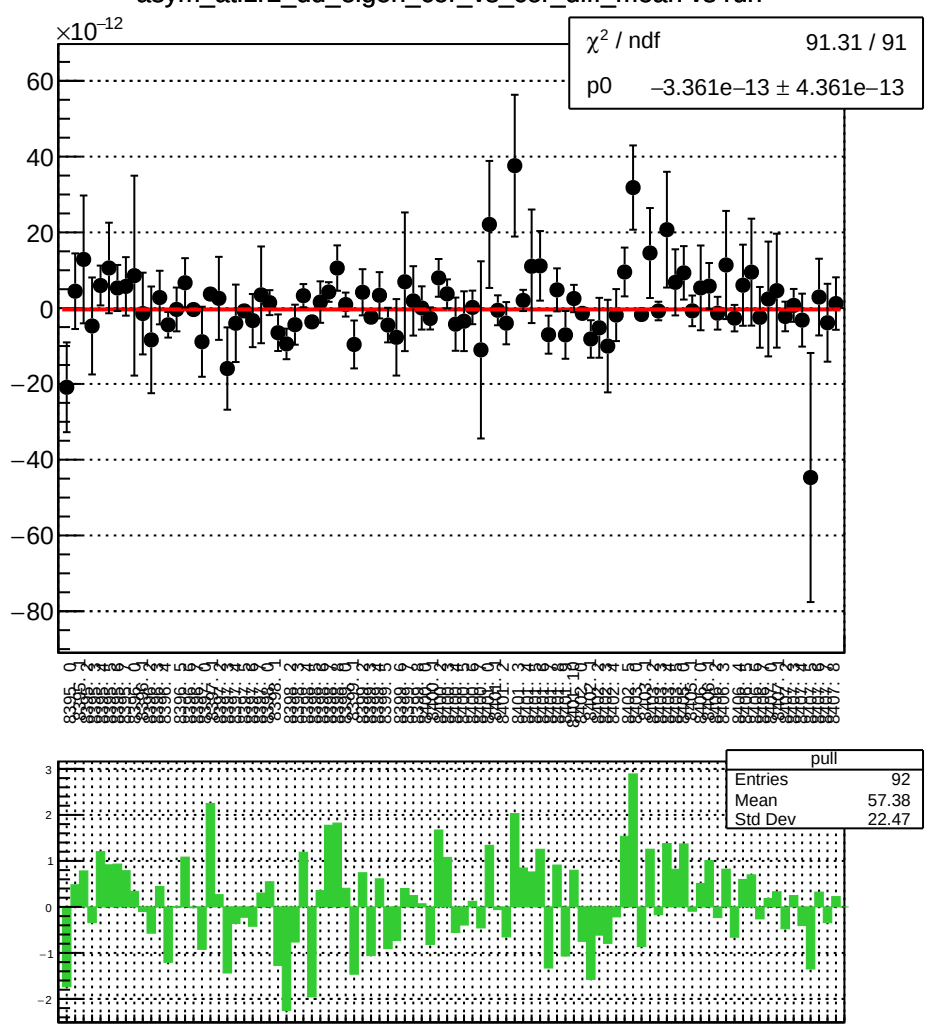

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.04 / 91
p0 0.3121 ± 0.1427
pull
Entries 92
Mean 274.3
Std Dev 0

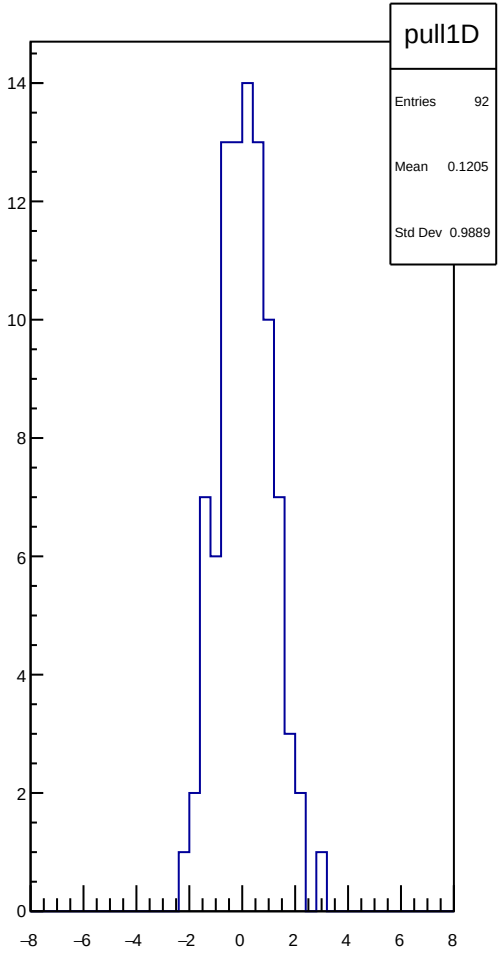

pull1D
Entries 92
Mean −0.01486
Std Dev 1.016

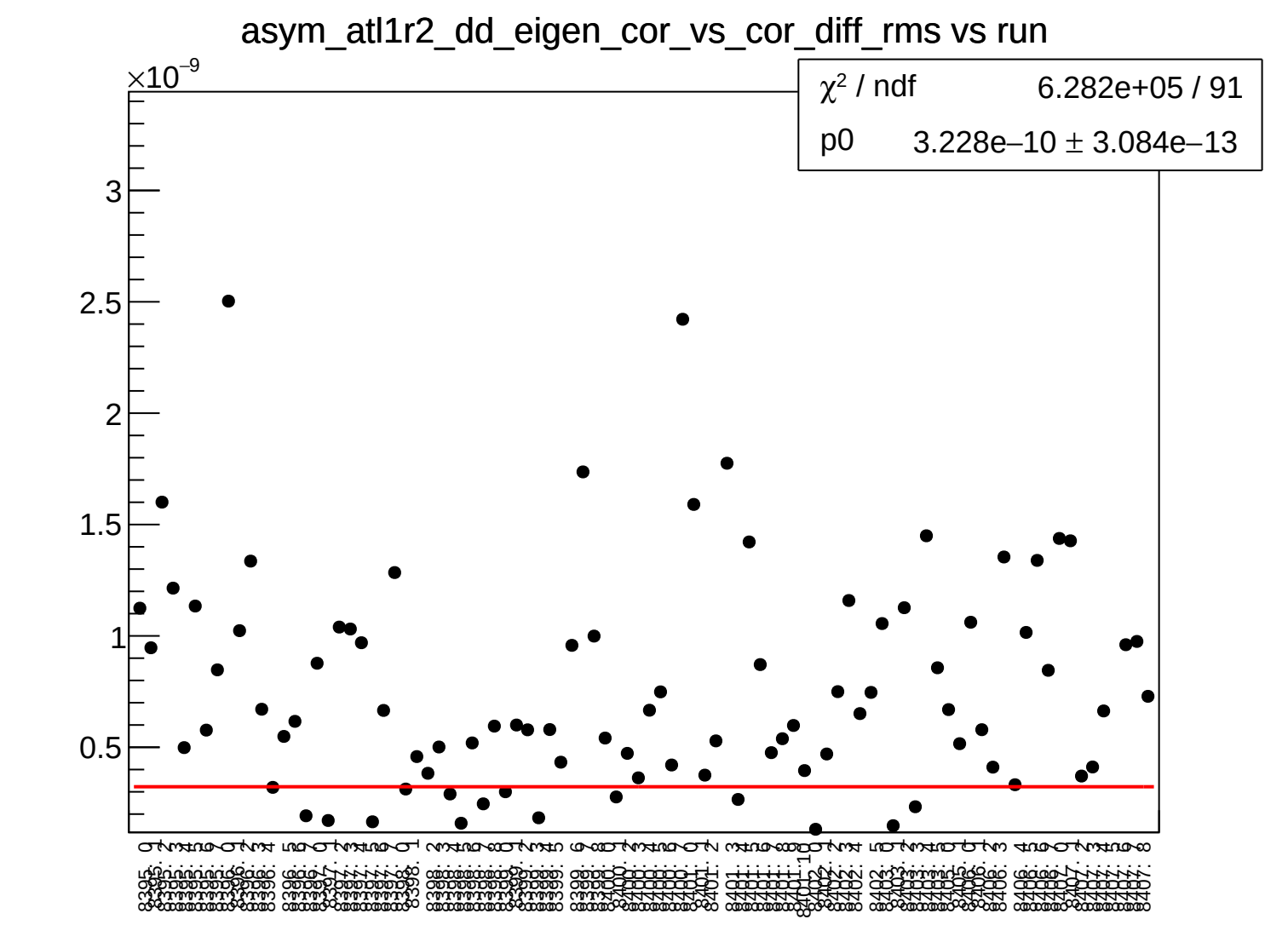

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.964e+04 / 91
p0 130.9 ± 0.1009
200
180
160
140
120
100

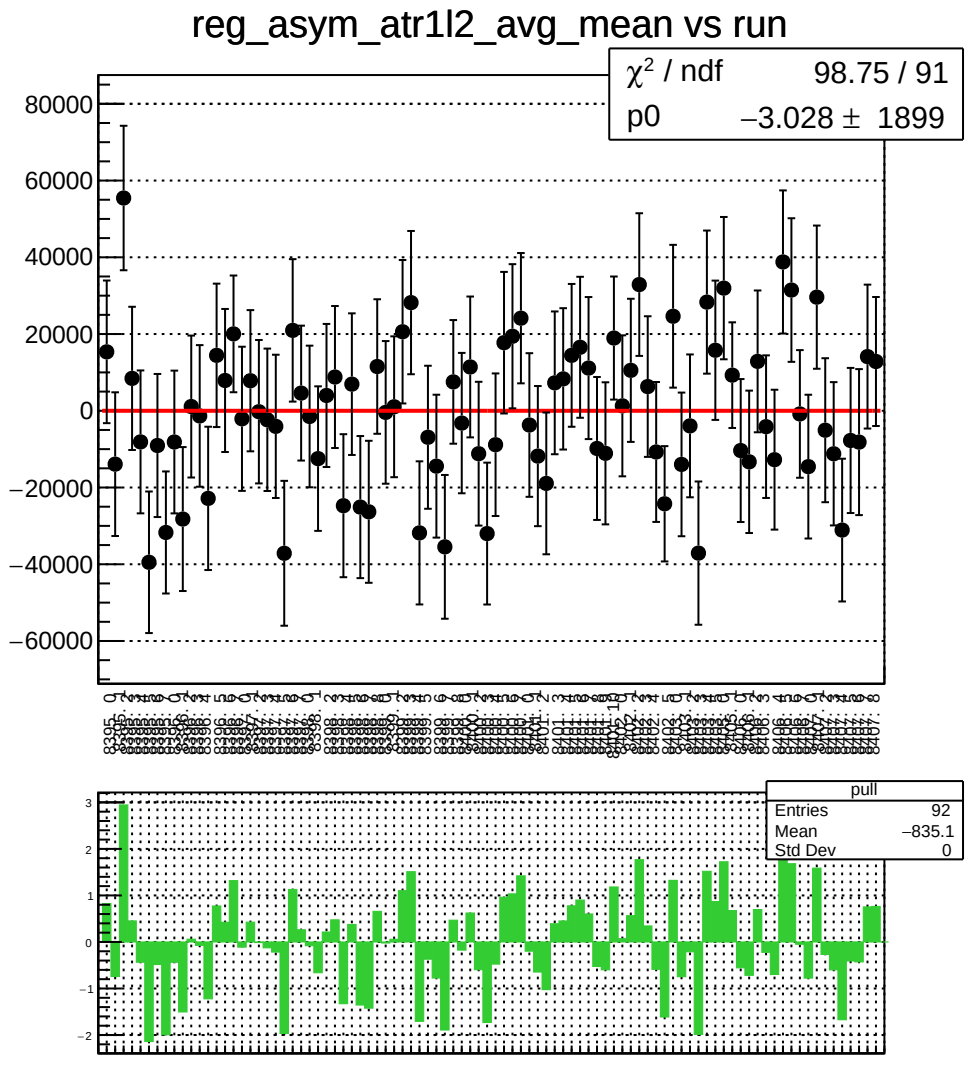

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.04 / 91
p0 0.3121 ± 0.1427
pull
Entries 92
Mean 274.3
Std Dev 0
pull1D
Entries 92
Mean −0.01486
Std Dev 1.016

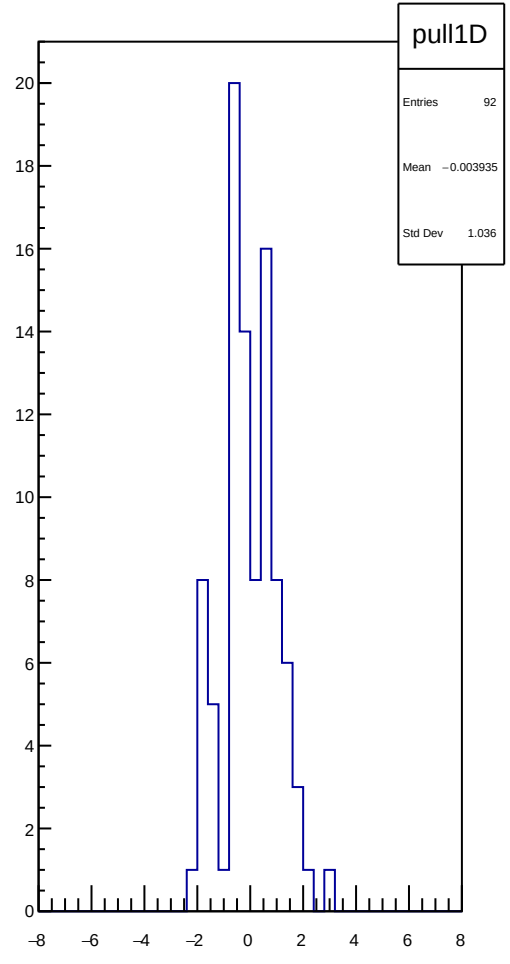

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.964e+04 / 91
p0 130.9 ± 0.1009
200
180
160
140
120
100

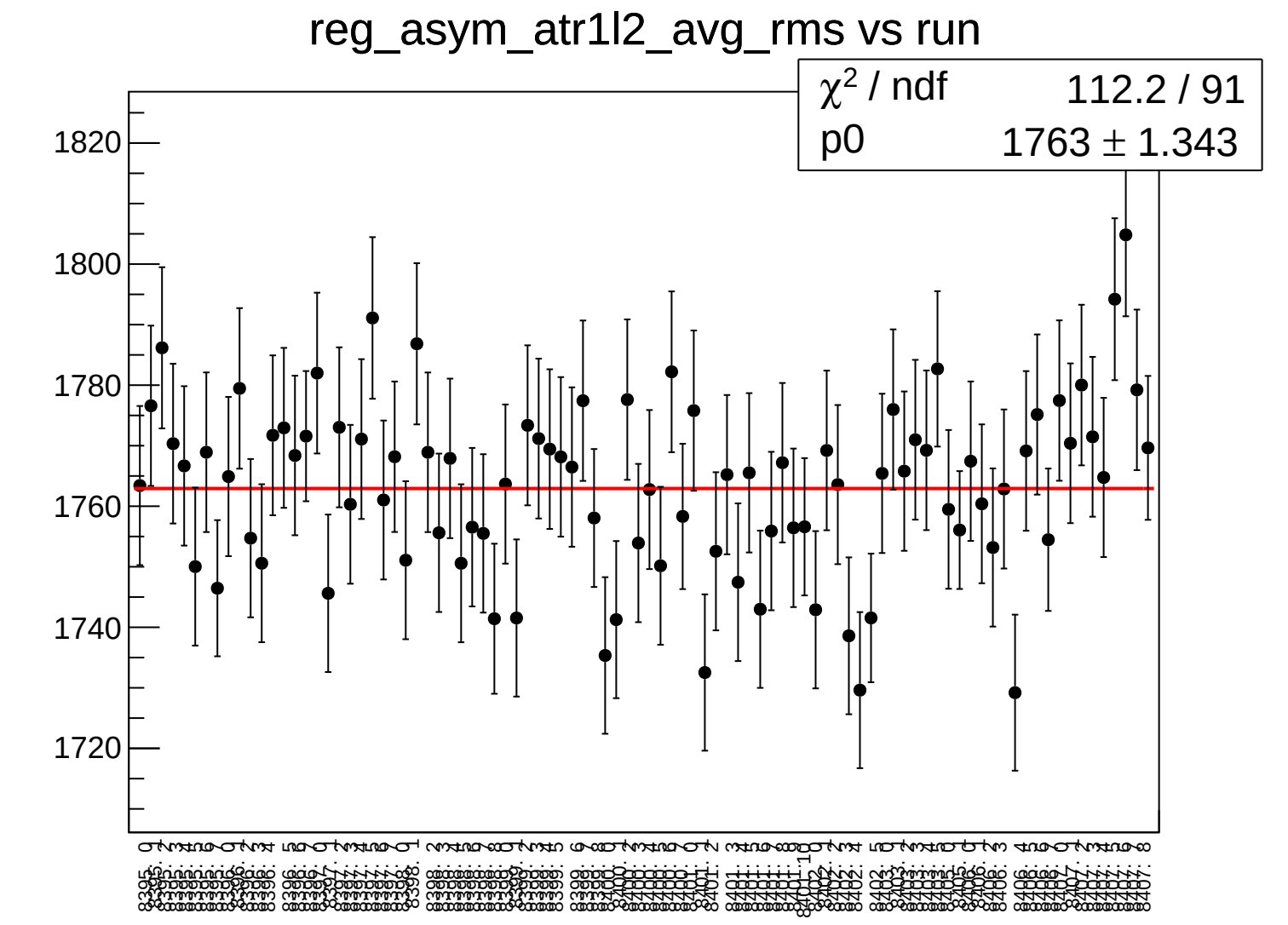

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.31 / 91
p0 −3.361e−13 ± 4.361e−13
pull
Entries 92
Mean 57.38
Std Dev 22.47

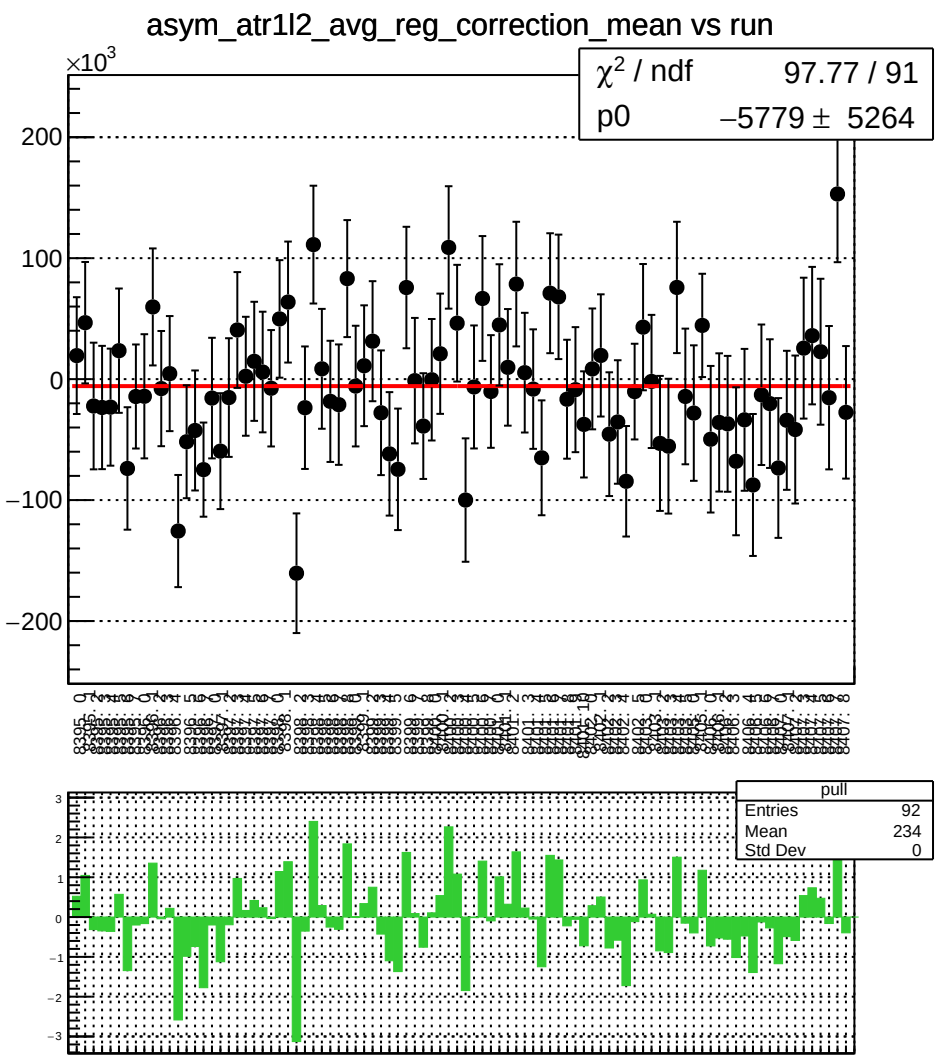

pull1D
Entries 92
Mean 0.1205
Std Dev 0.9889

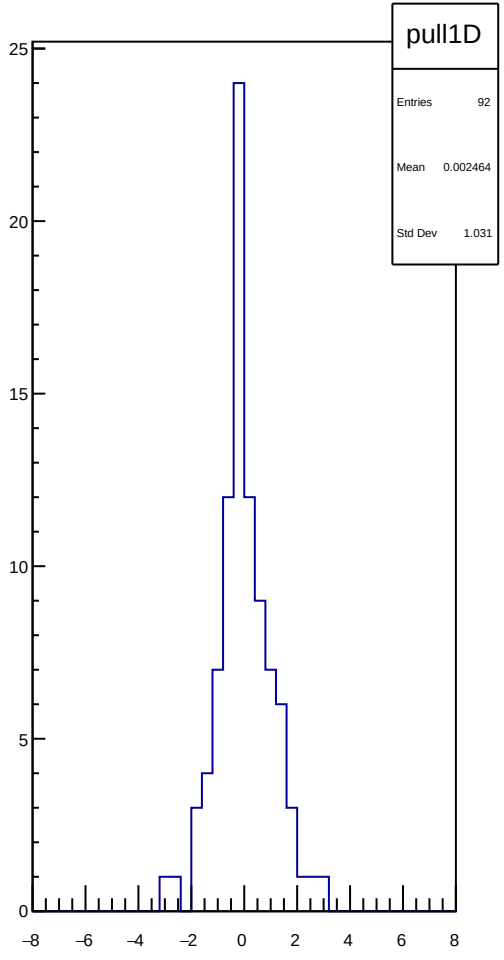

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.282e+05 / 91
p0 3.228e−10 ± 3.084e−13
3
2.5
2
1.5
1
0.5

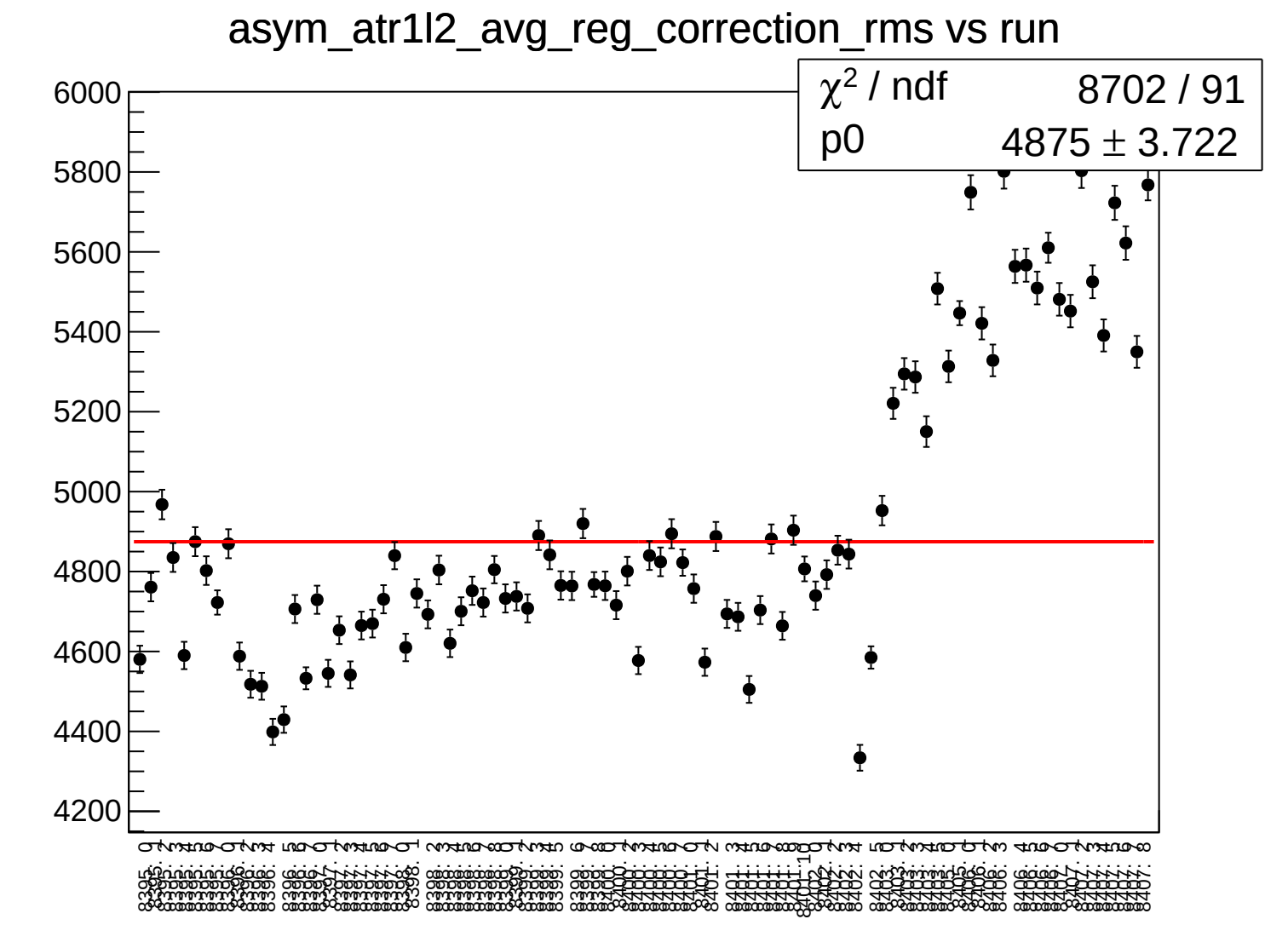

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 98.75 / 91
p0 −3.028 ± 1899
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −835.1
Std Dev 0
3
2
1
0
−1
−2

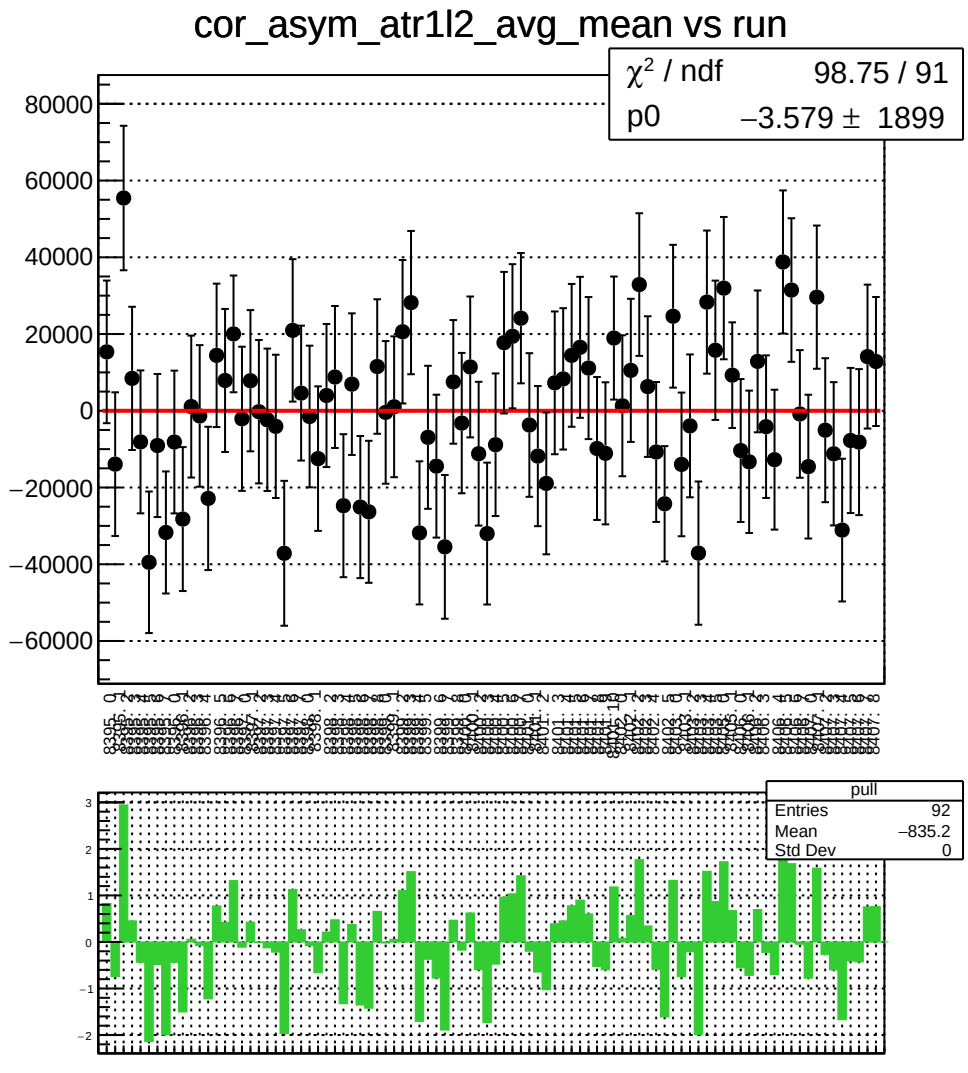

pull1D
Entries 92
Mean −0.003935
Std Dev 1.036
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

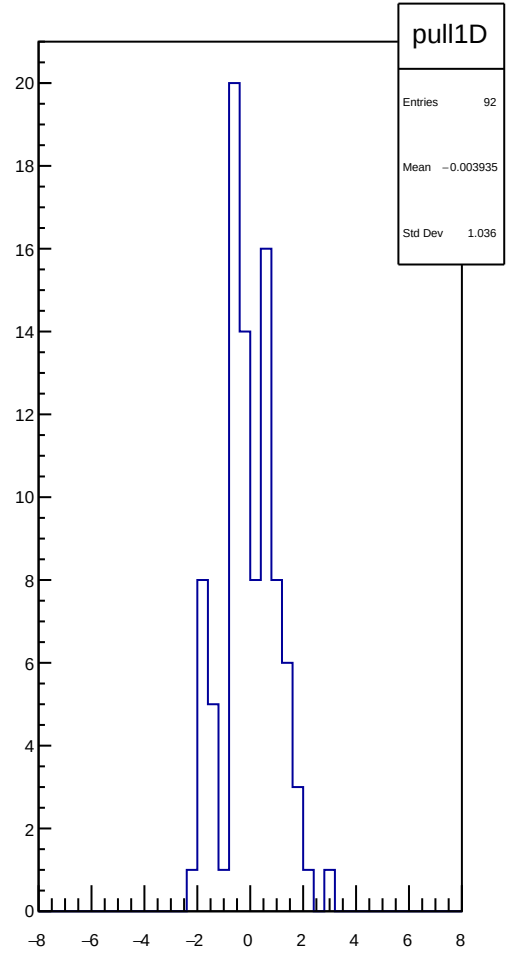

reg_asym_atr1l2_avg_rms vs run
$\chi^2$ / ndf 112.2 / 91
p0 1763 ± 1.343
1820
1800
1780
1760
1740
1720

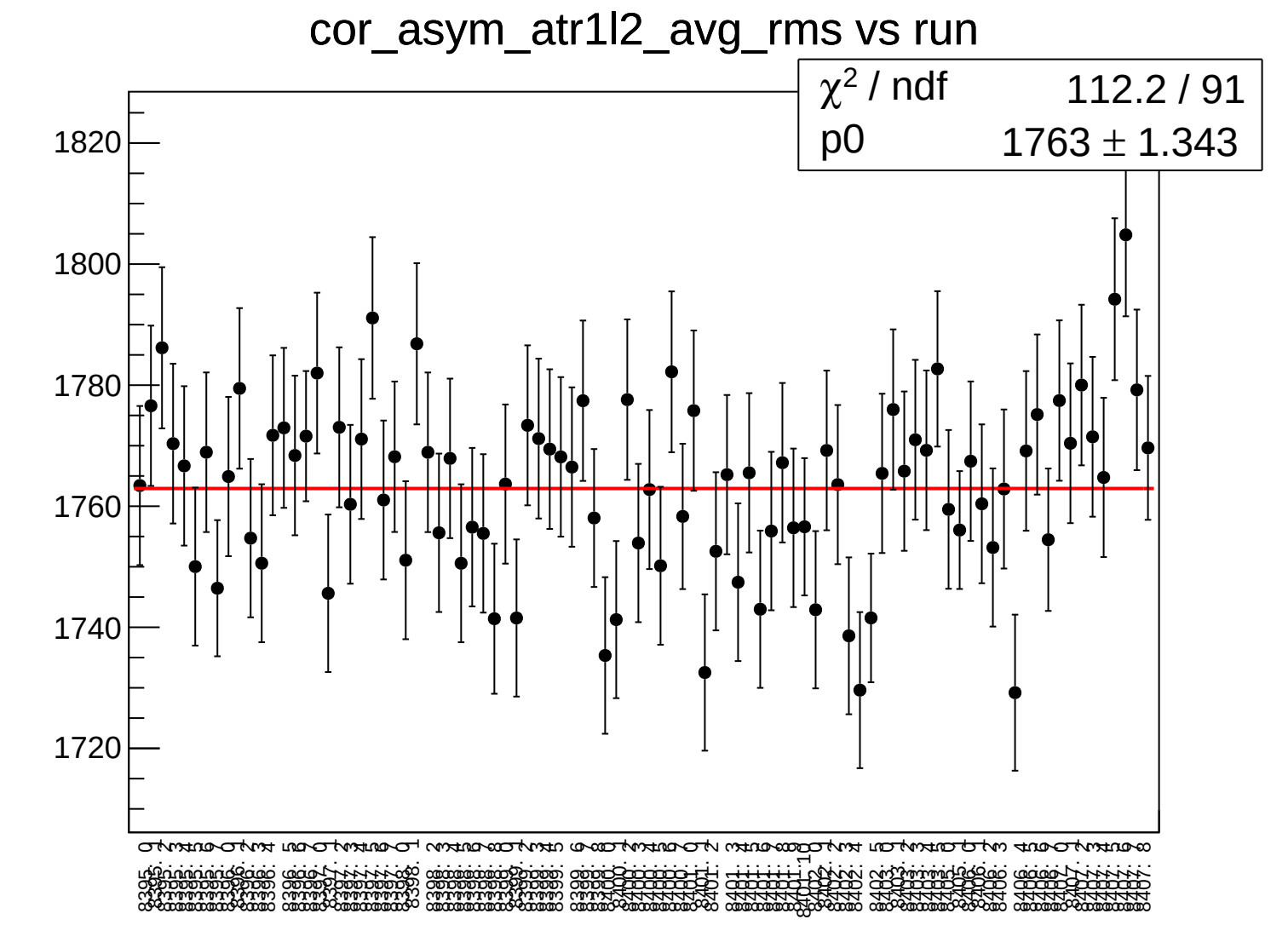

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.77 / 91
p0 −5779 ± 5264
200
100
0
−100
−200
pull
Entries 92
Mean 234
Std Dev 0
3
2
1
0
−1
−2
−3

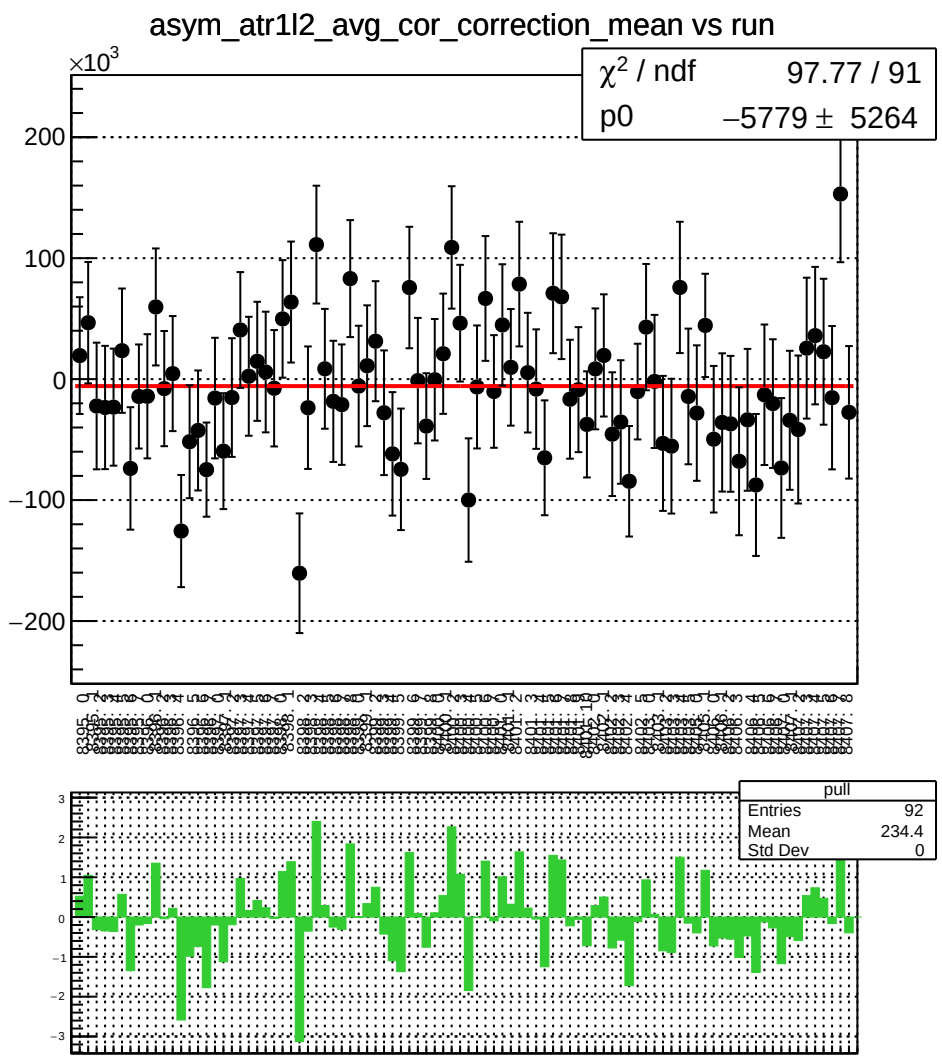

pull1D
Entries 92
Mean 0.002464
Std Dev 1.031
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

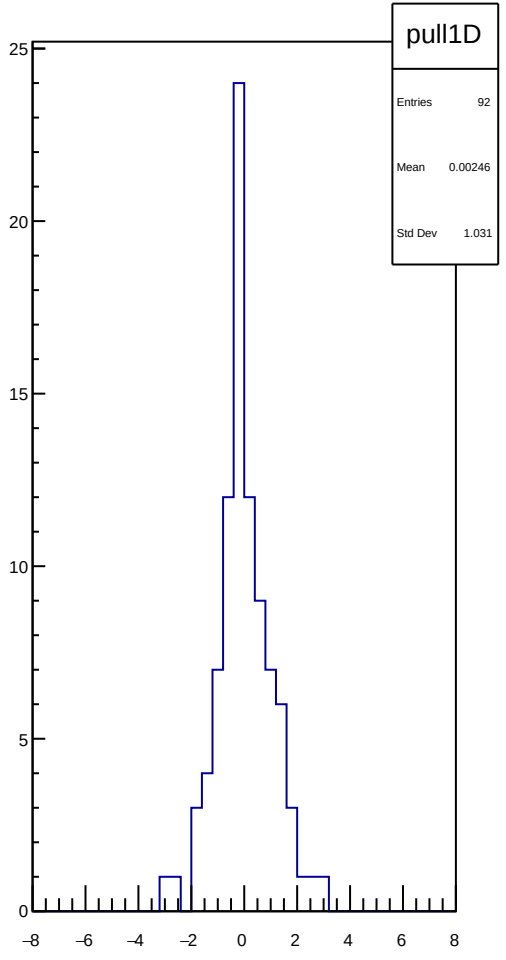

asym_atr1l2_avg_reg_correction_rms vs run
$\chi^2$ / ndf 8702 / 91
p0 4875 ± 3.722
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

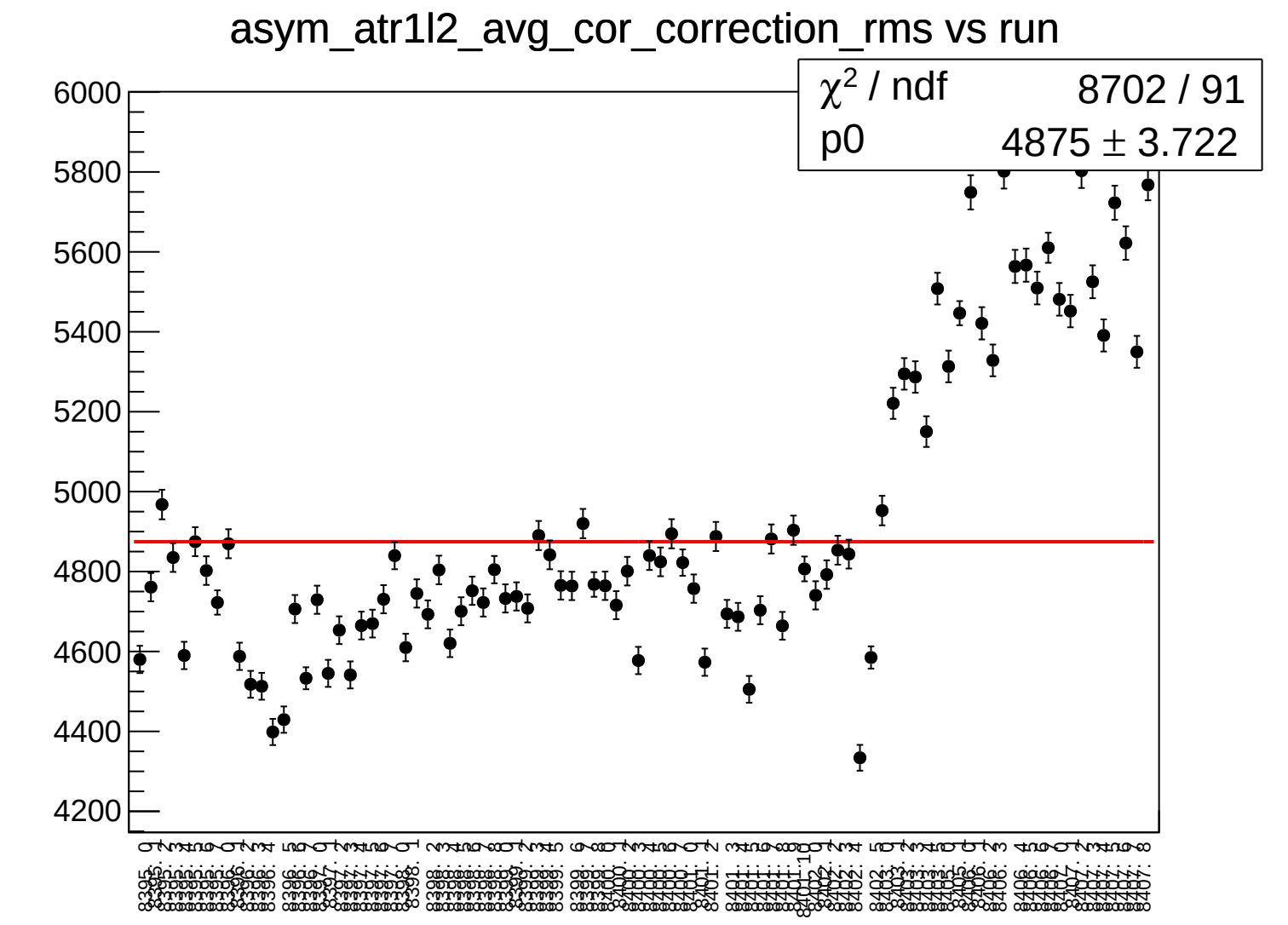

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 98.75 / 91
p0 −3.579 ± 1899
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −835.2
Std Dev 0
3
2
1
0
−1
−2

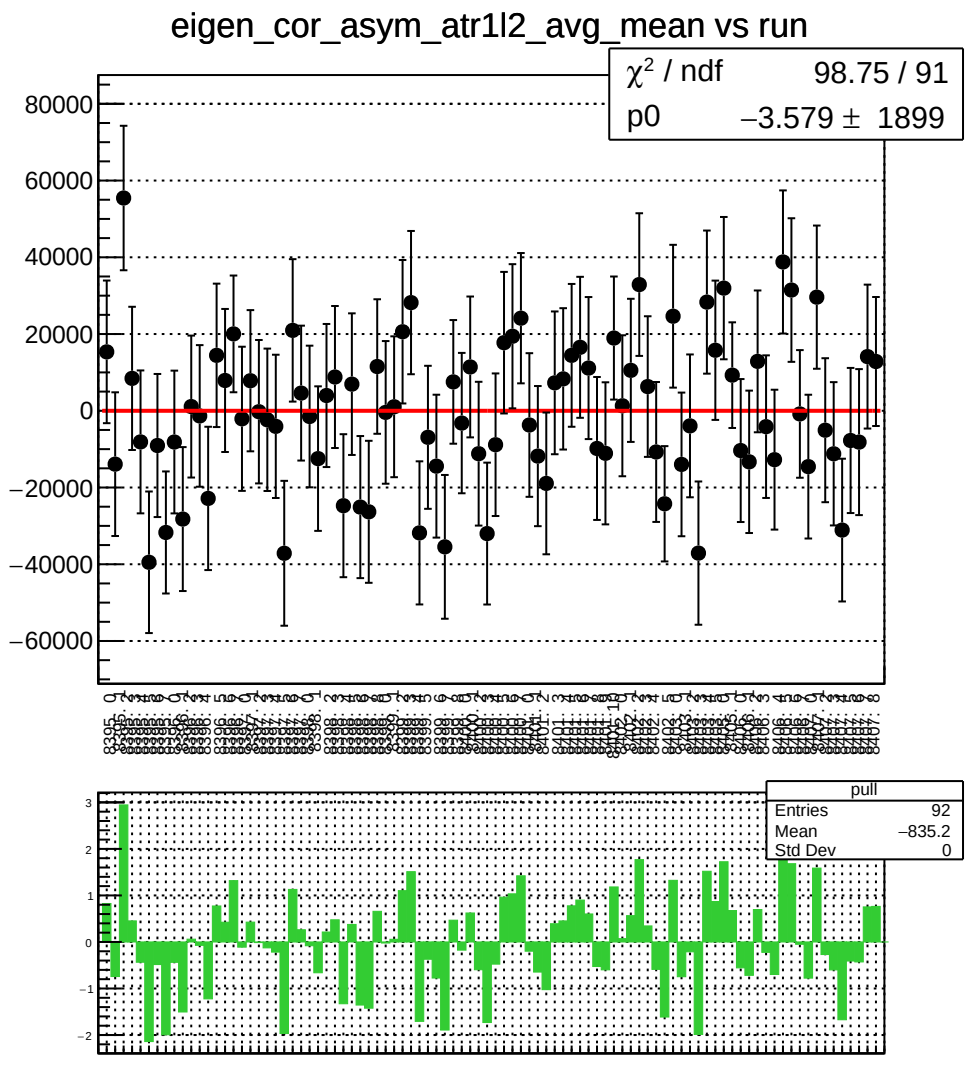

pull1D
Entries 92
Mean −0.003935
Std Dev 1.036
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

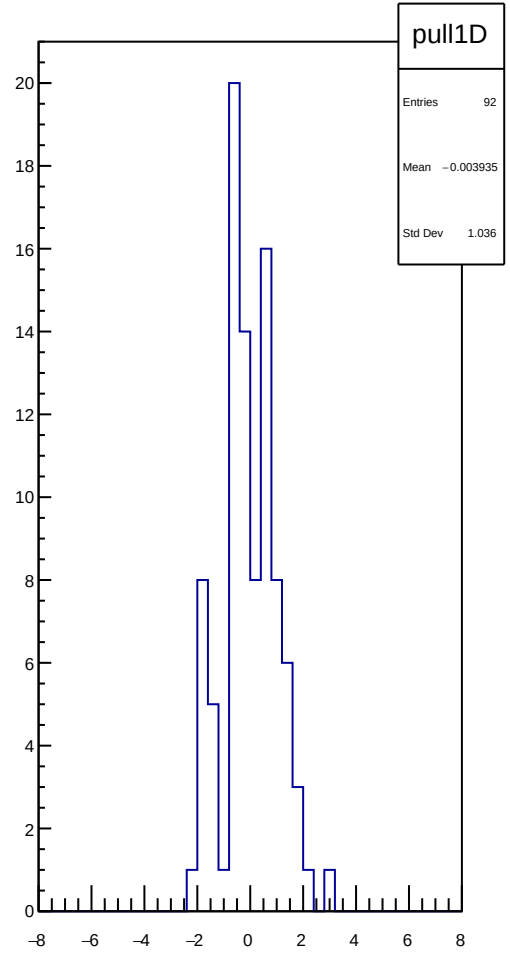

cor_asym_atr1l2_avg_rms vs run
$\chi^2$ / ndf 112.2 / 91
p0 1763 ± 1.343
1820
1800
1780
1760
1740
1720

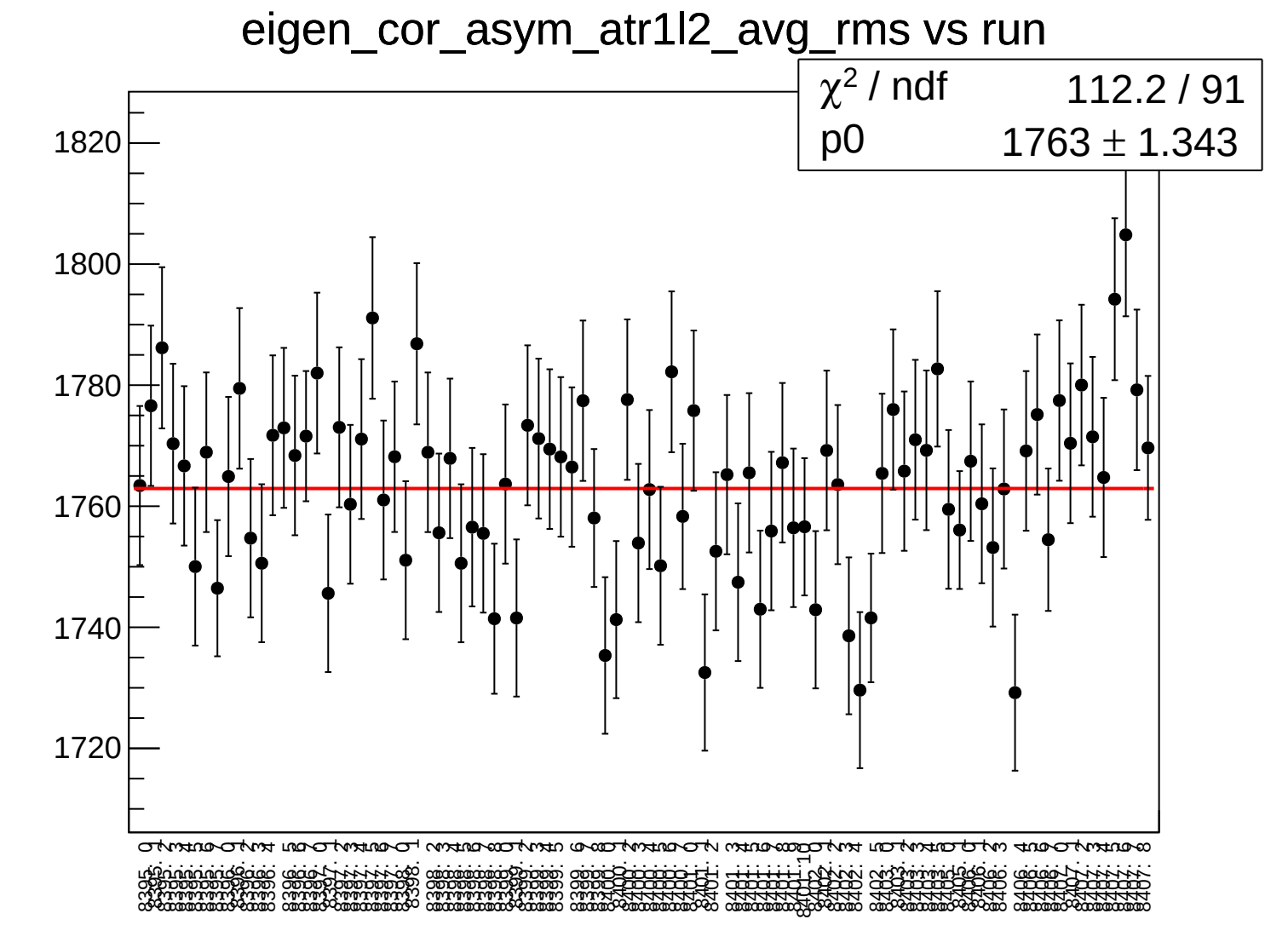

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 97.77 / 91
p0 −5779 ± 5264
200
100
0
−100
−200
pull
Entries 92
Mean 234.4
Std Dev 0
3
2
1
0
−1
−2
−3

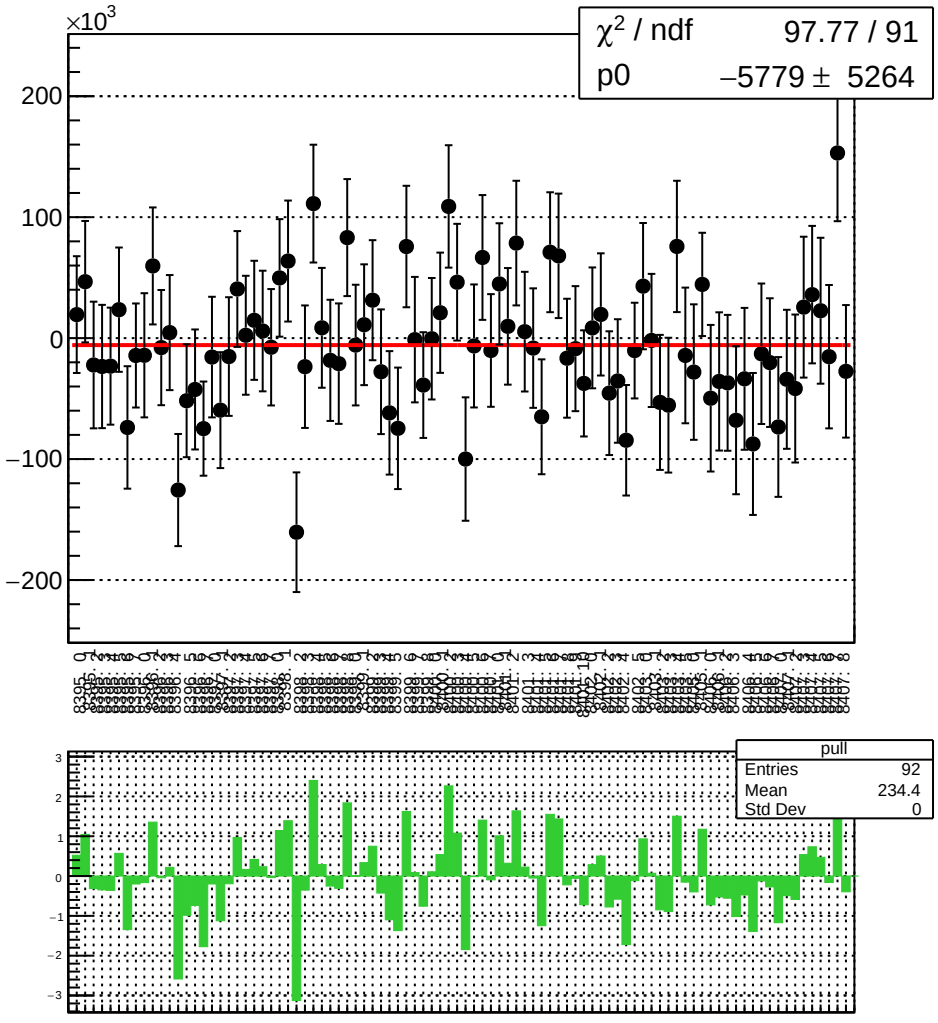

pull1D
Entries 92
Mean 0.00246
Std Dev 1.031
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

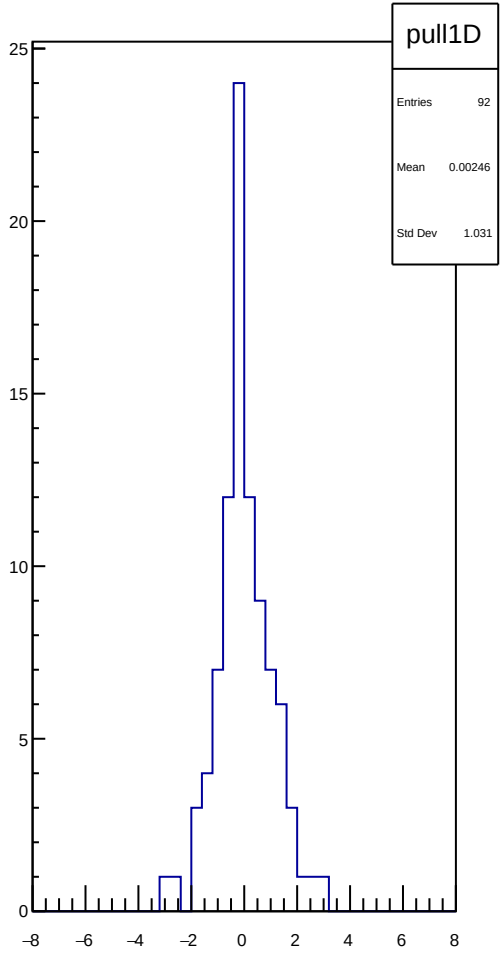

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 8702 / 91
p0 4875 ± 3.722
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

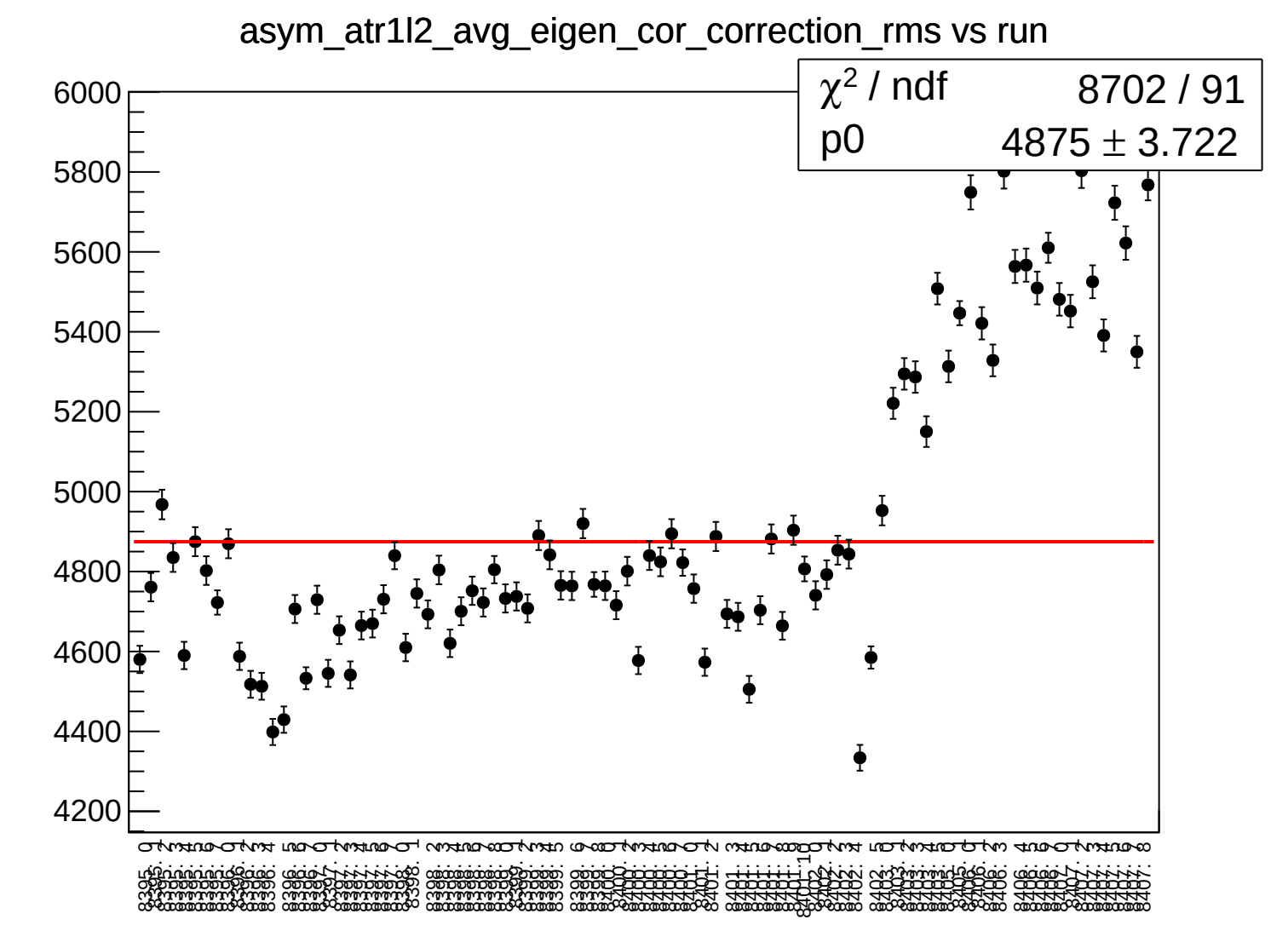

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 98.75 / 91
p0 −3.579 ± 1899
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −835.2
Std Dev 0
3
2
1
0
−1
−2

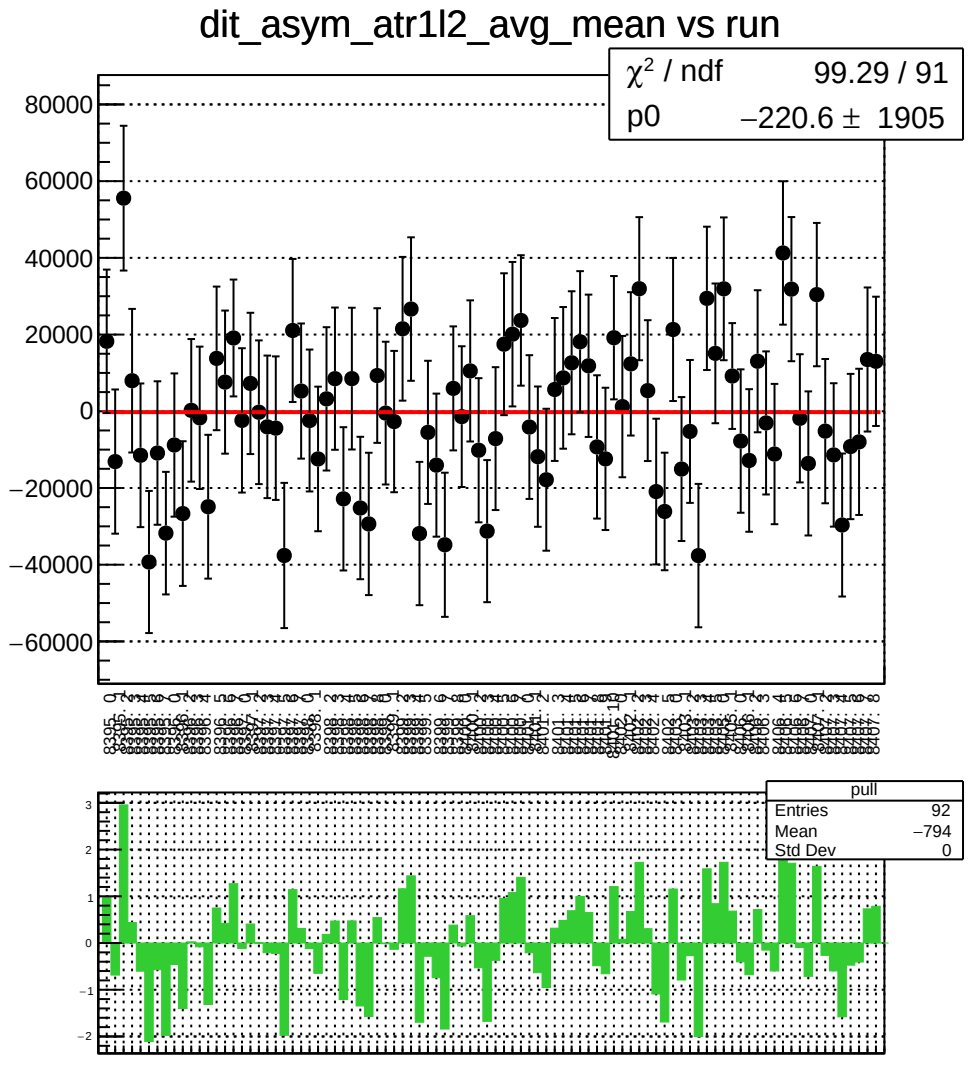

pull1D
Entries 92
Mean −0.003935
Std Dev 1.036
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

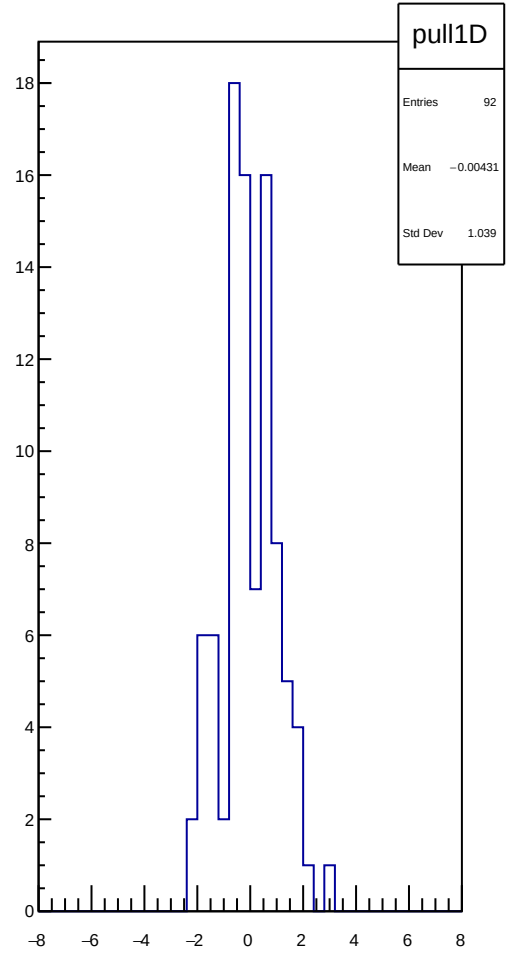

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 112.2 / 91
p0 1763 ± 1.343
1820
1800
1780
1760
1740
1720

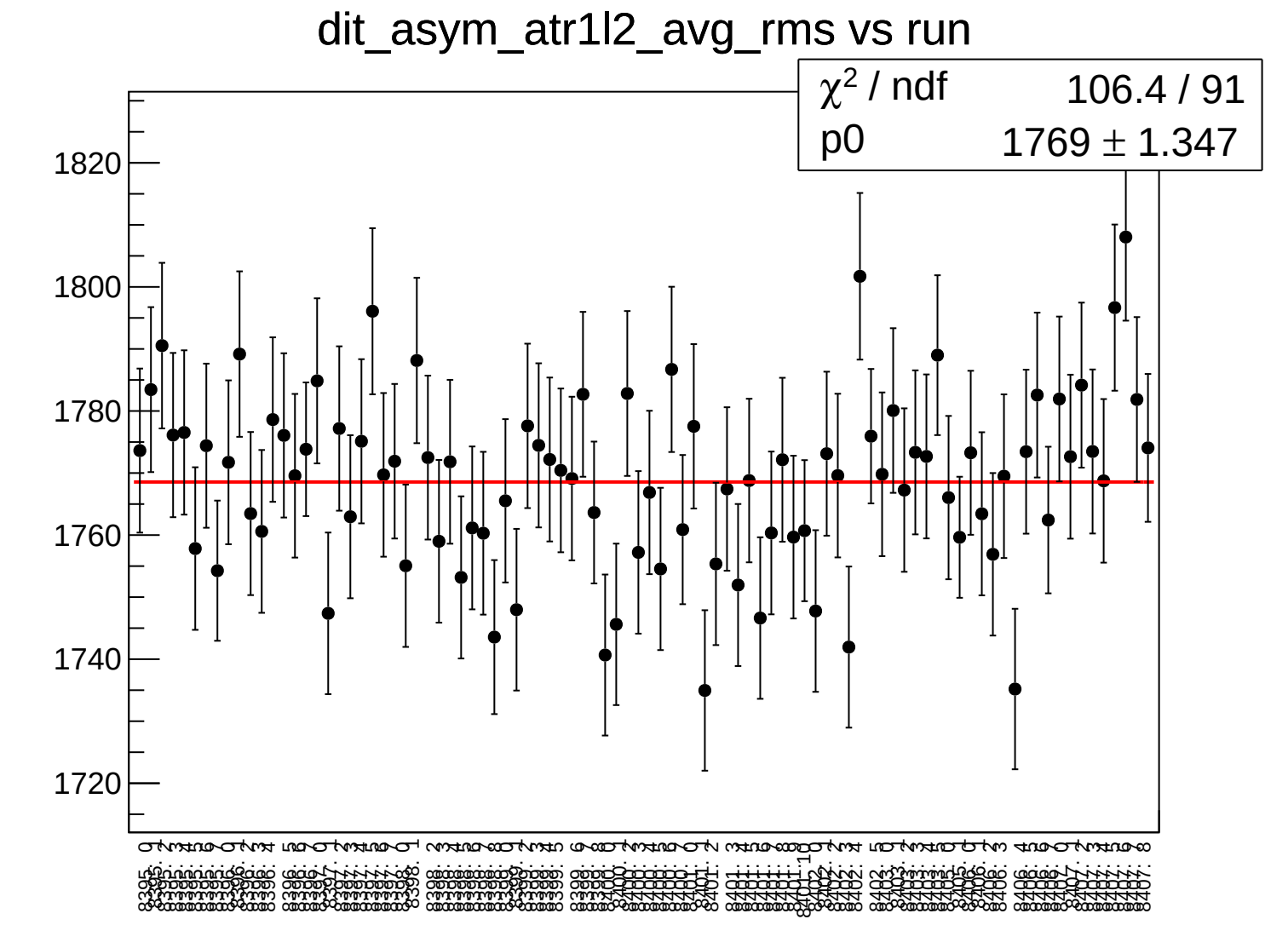

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.77 / 91
p0 −5779 ± 5264
200
100
0
−100
−200
pull
Entries 92
Mean 234.4
Std Dev 0
3
2
1
0
−1
−2
−3

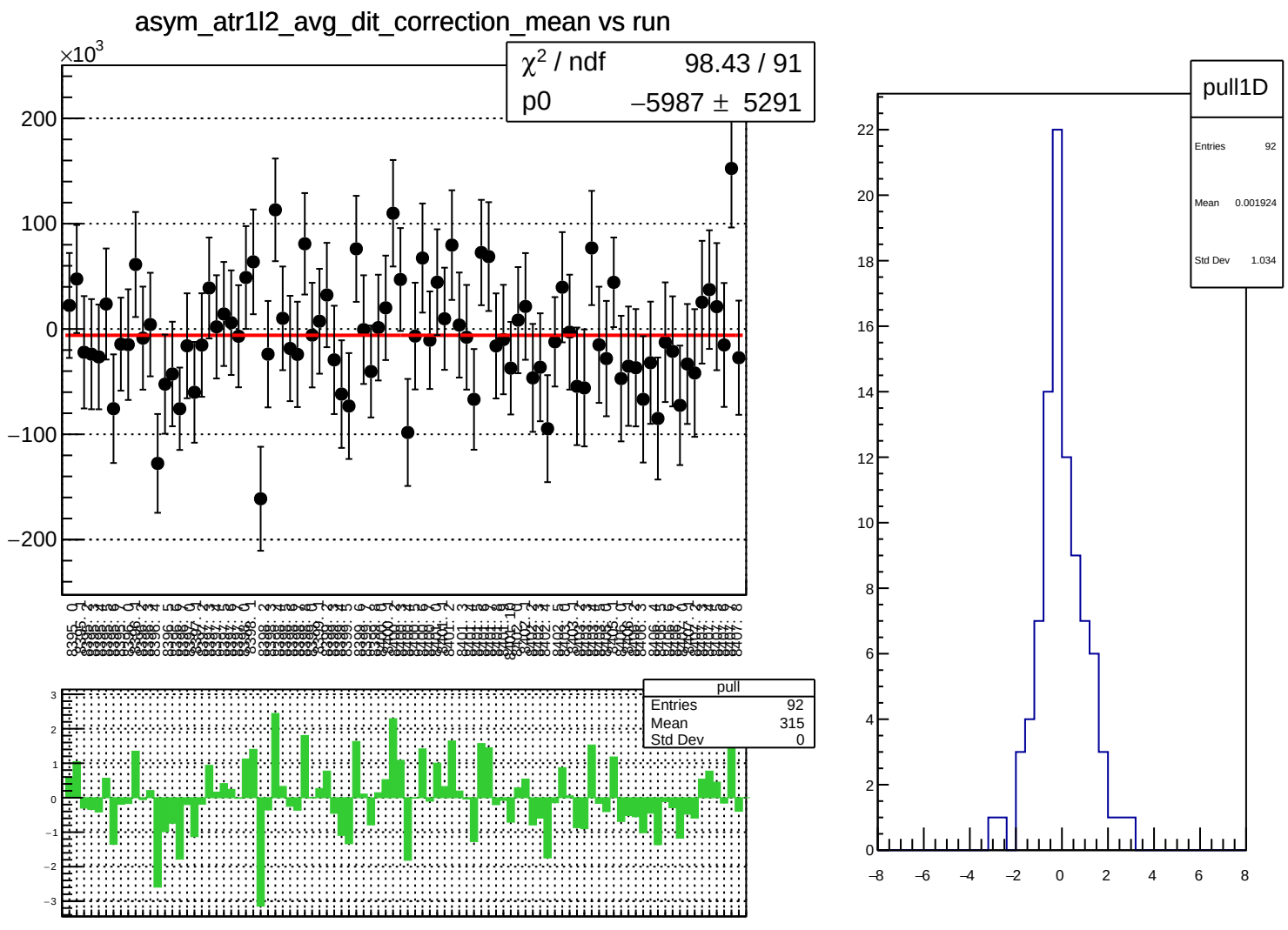

pull1D
Entries 92
Mean 0.00246
Std Dev 1.031
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

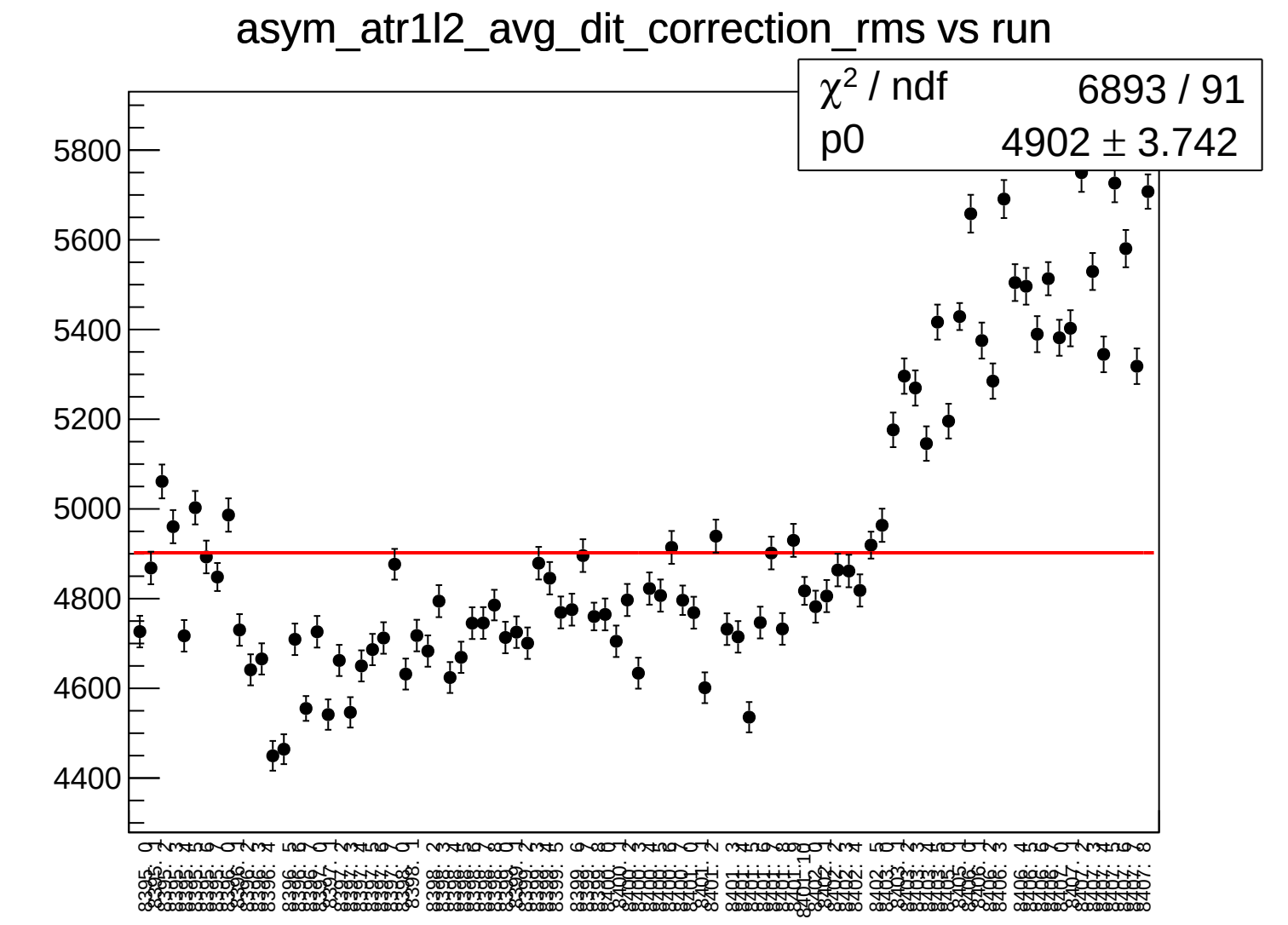

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8702 / 91
p0 4875 ± 3.722
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

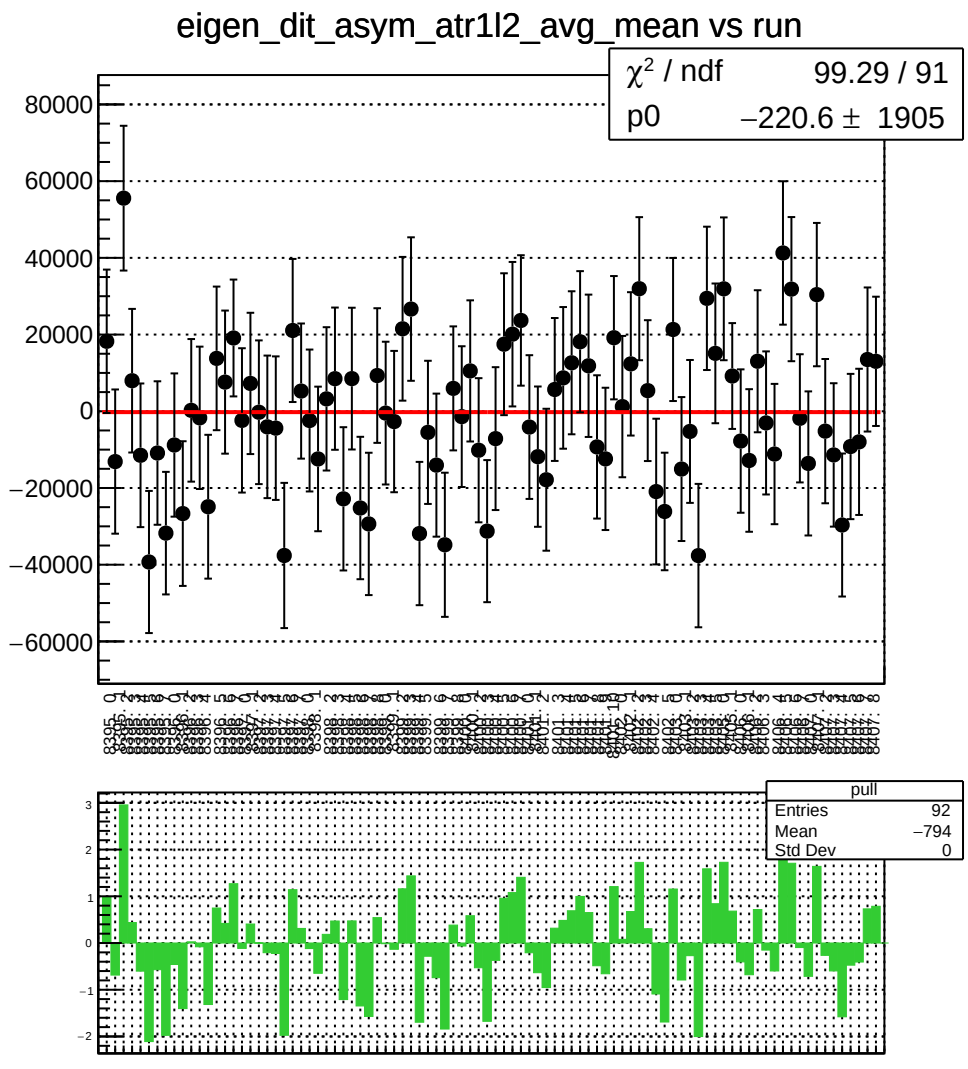

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 99.29 / 91
p0 −220.6 ± 1905
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −794
Std Dev 0
3
2
1
0
−1
−2

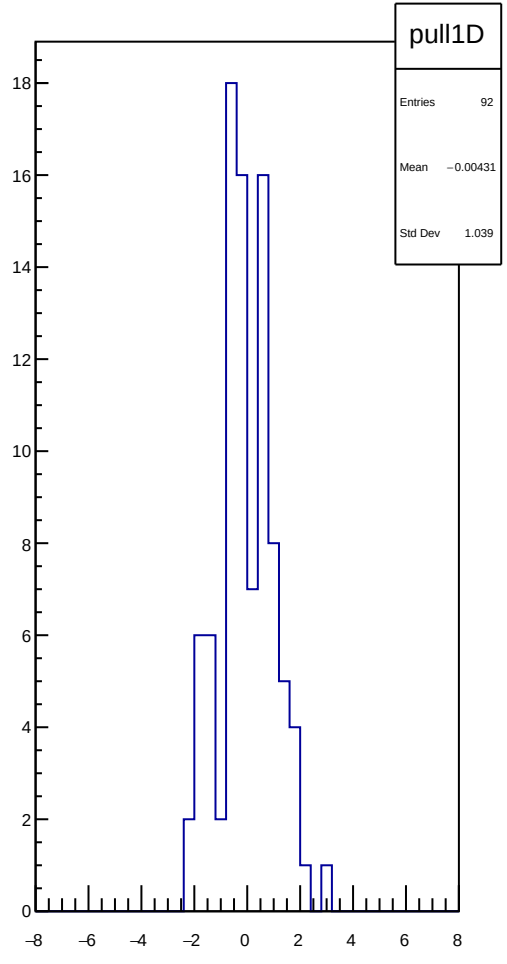

pull1D
Entries 92
Mean −0.00431
Std Dev 1.039
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

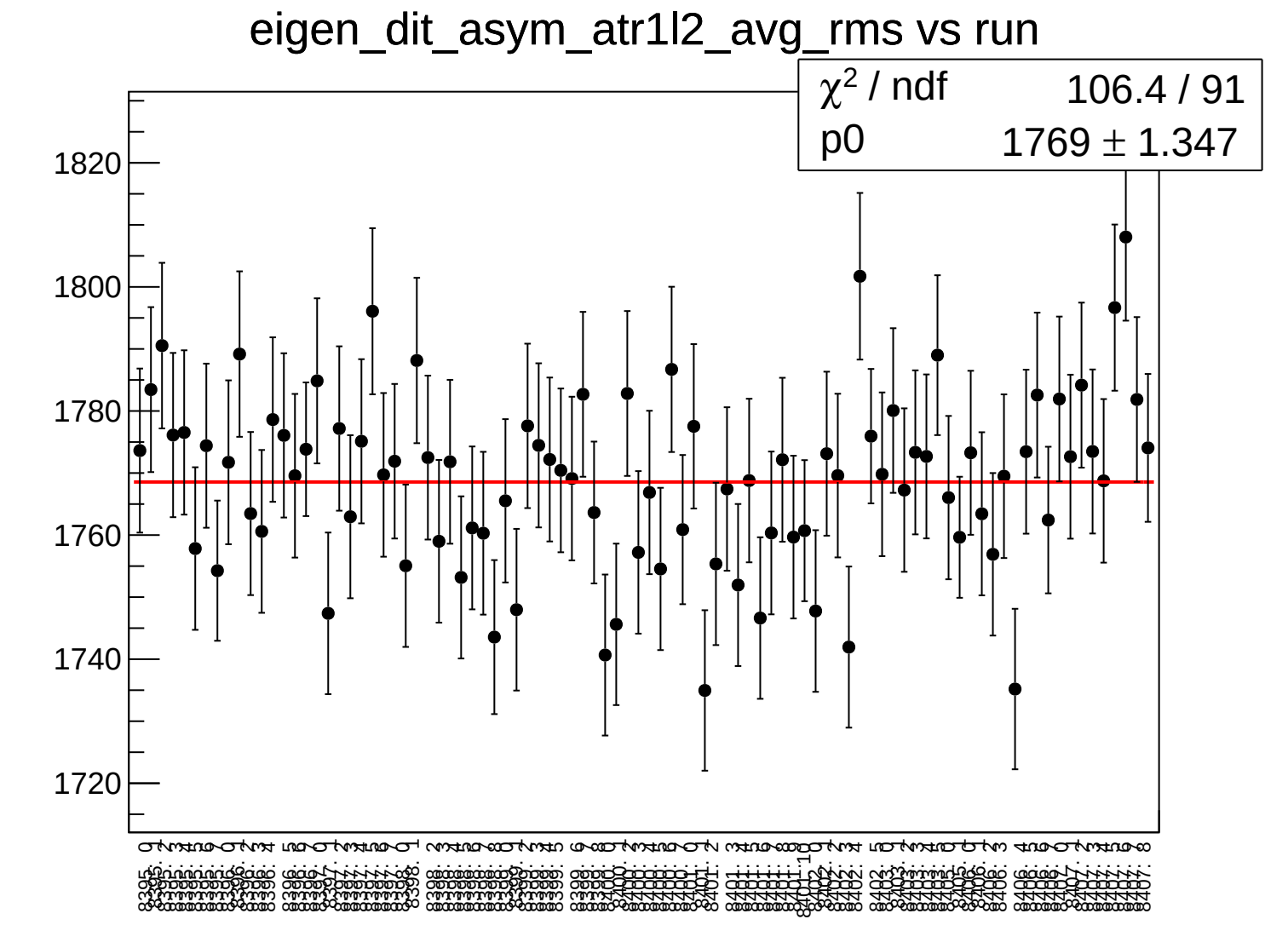

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 106.4 / 91
p0 1769 ± 1.347
1820
1800
1780
1760
1740
1720

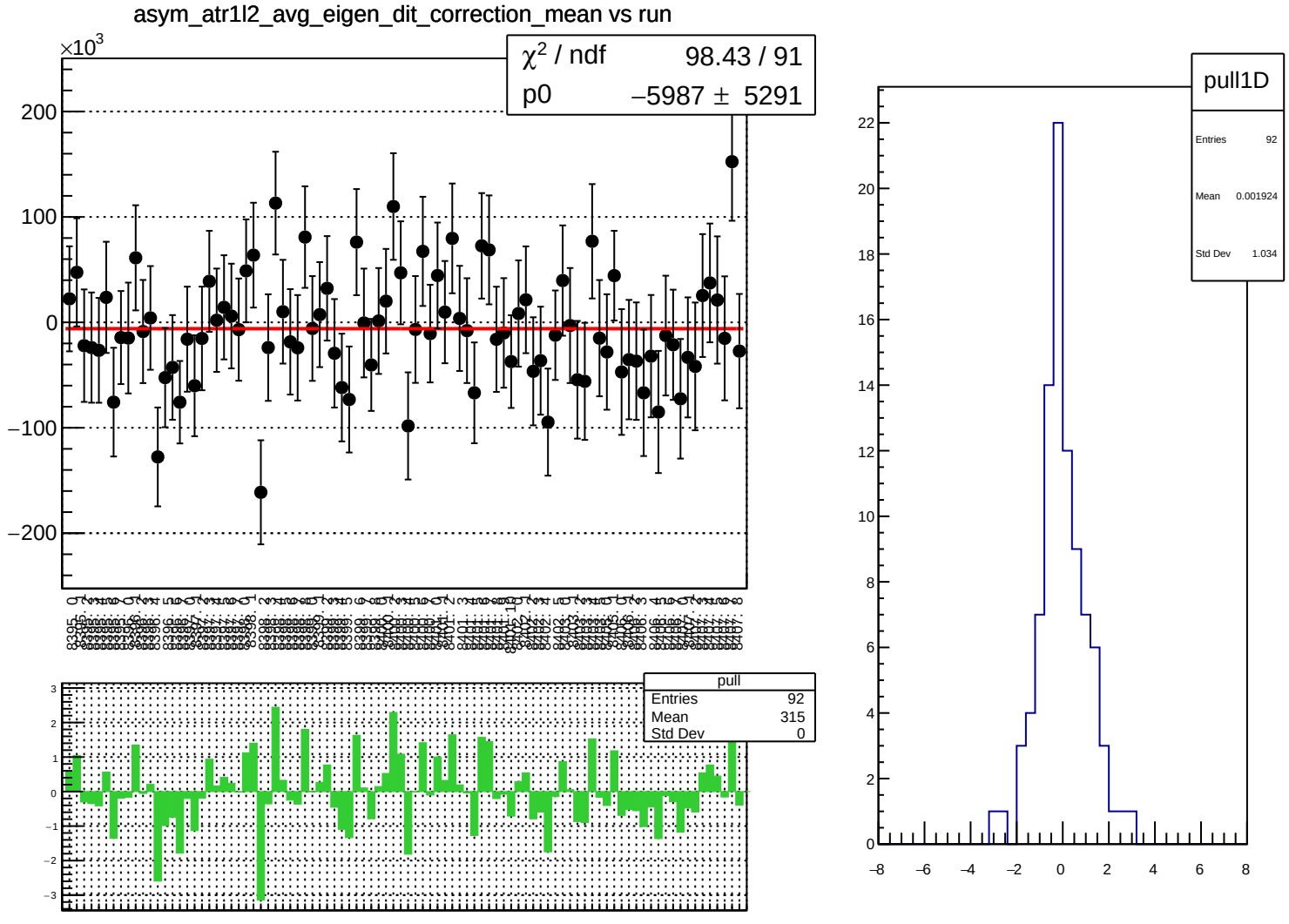

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 98.43 / 91
p0 −5987 ± 5291
200
100
0
−100
−200
pull
Entries 92
Mean 315
Std Dev 0
pull1D
Entries 92
Mean 0.001924
Std Dev 1.034

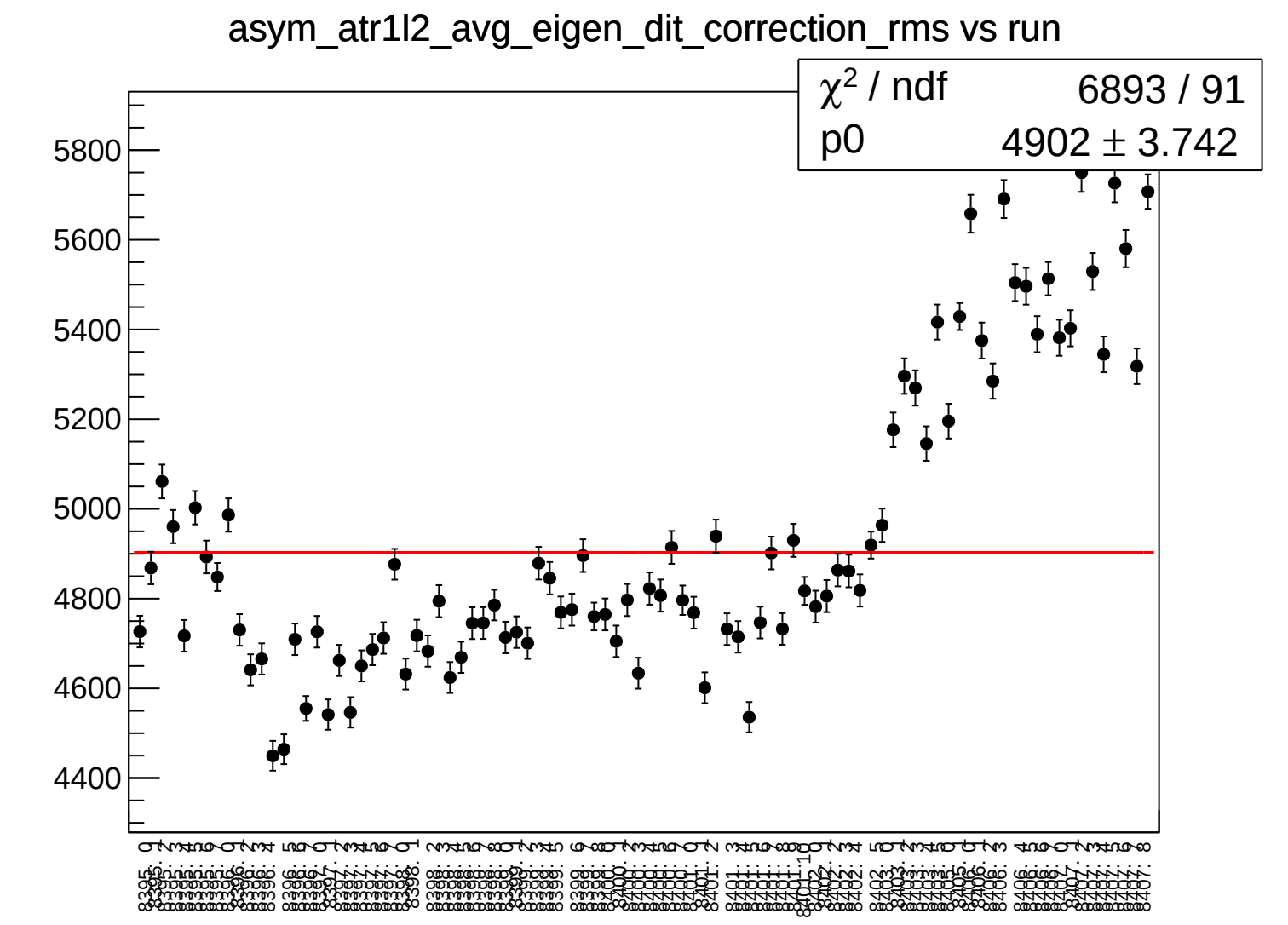

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 6893 / 91
p0 4902 ± 3.742
5800
5600
5400
5200
5000
4800
4600
4400

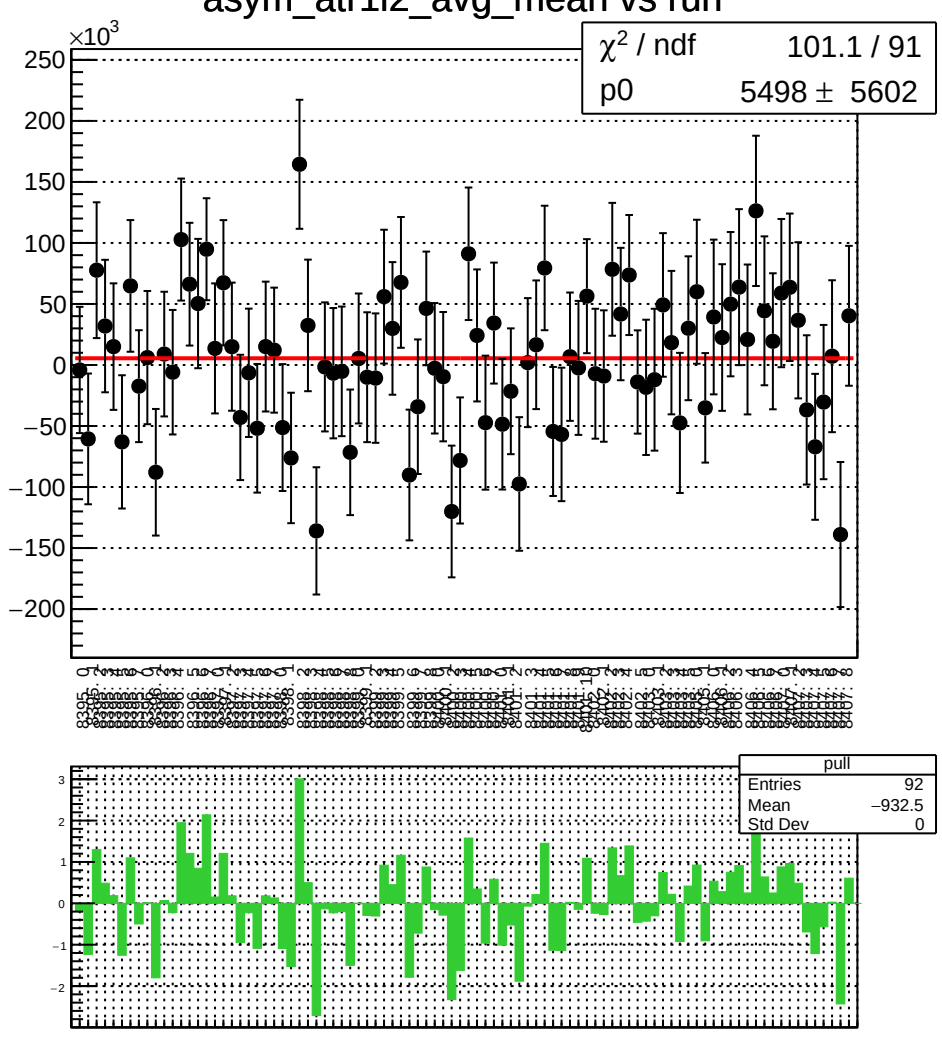

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 99.29 / 91
p0 −220.6 ± 1905
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −794
Std Dev 0
3
2
1
0
−1
−2

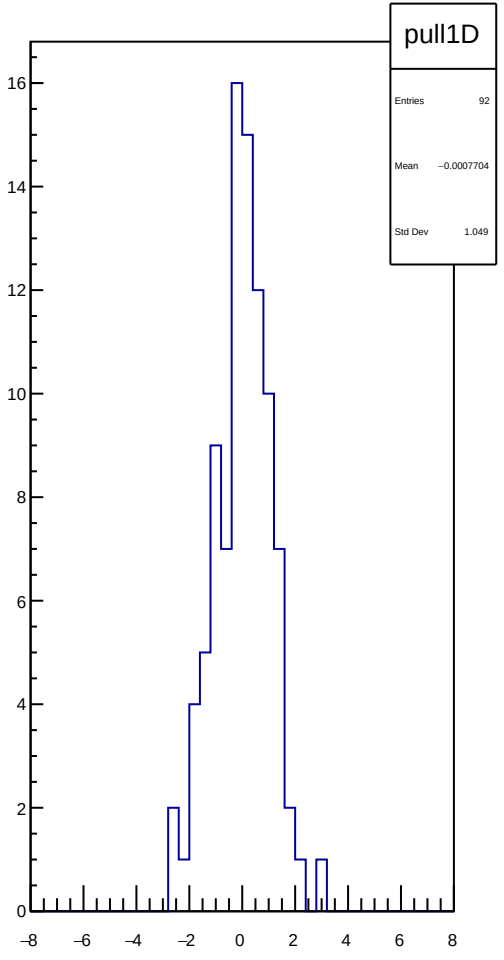

pull1D
Entries 92
Mean −0.00431
Std Dev 1.039
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

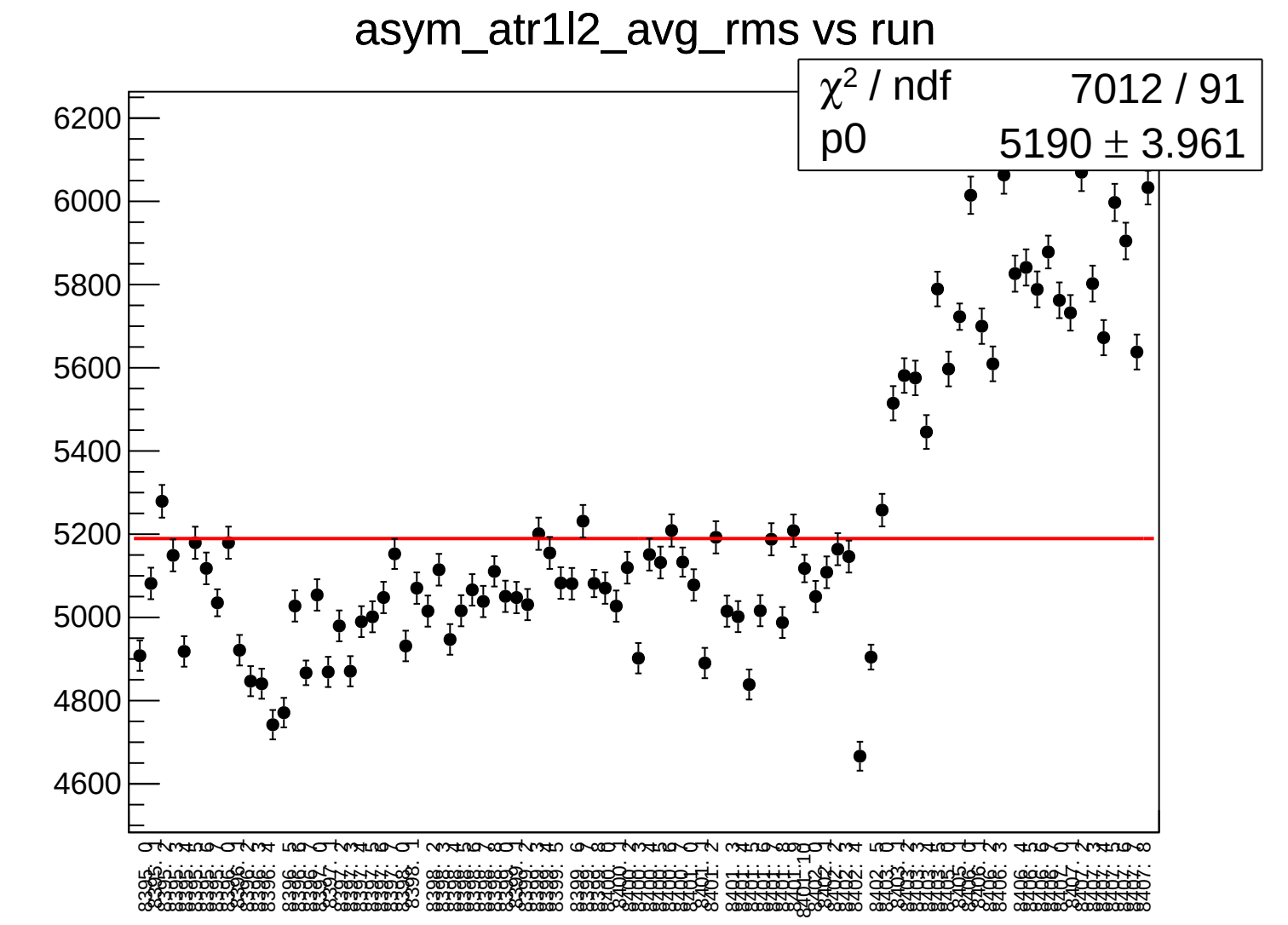

eigen_dit_asym_atr1l2_avg_rms vs run
$\chi^2$ / ndf 106.4 / 91
p0 1769 ± 1.347
1820
1800
1780
1760
1740
1720

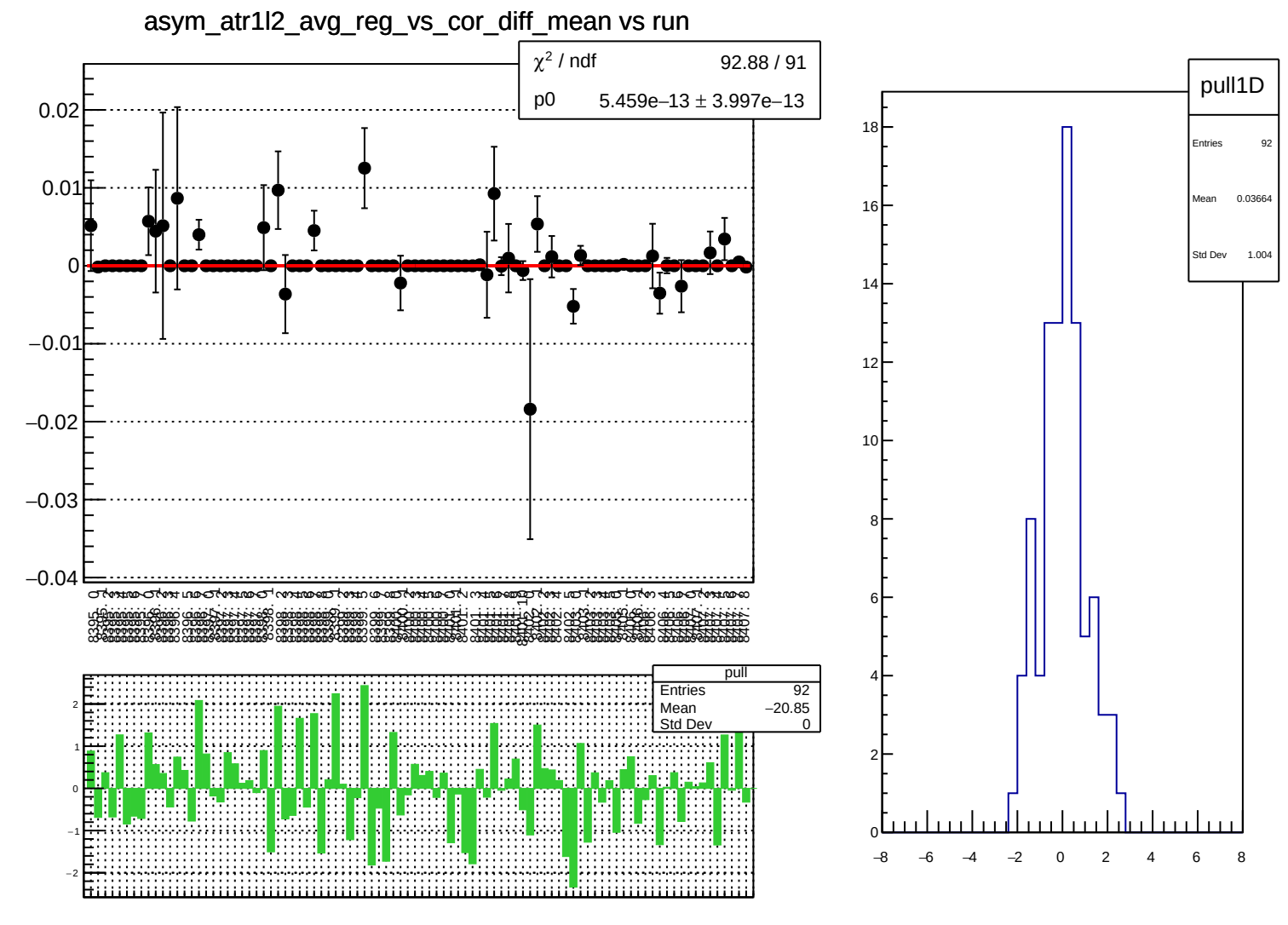

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 98.43 / 91
p0 −5987 ± 5291
200
100
0
−100
−200
pull
Entries 92
Mean 315
Std Dev 0
pull1D
Entries 92
Mean 0.001924
Std Dev 1.034

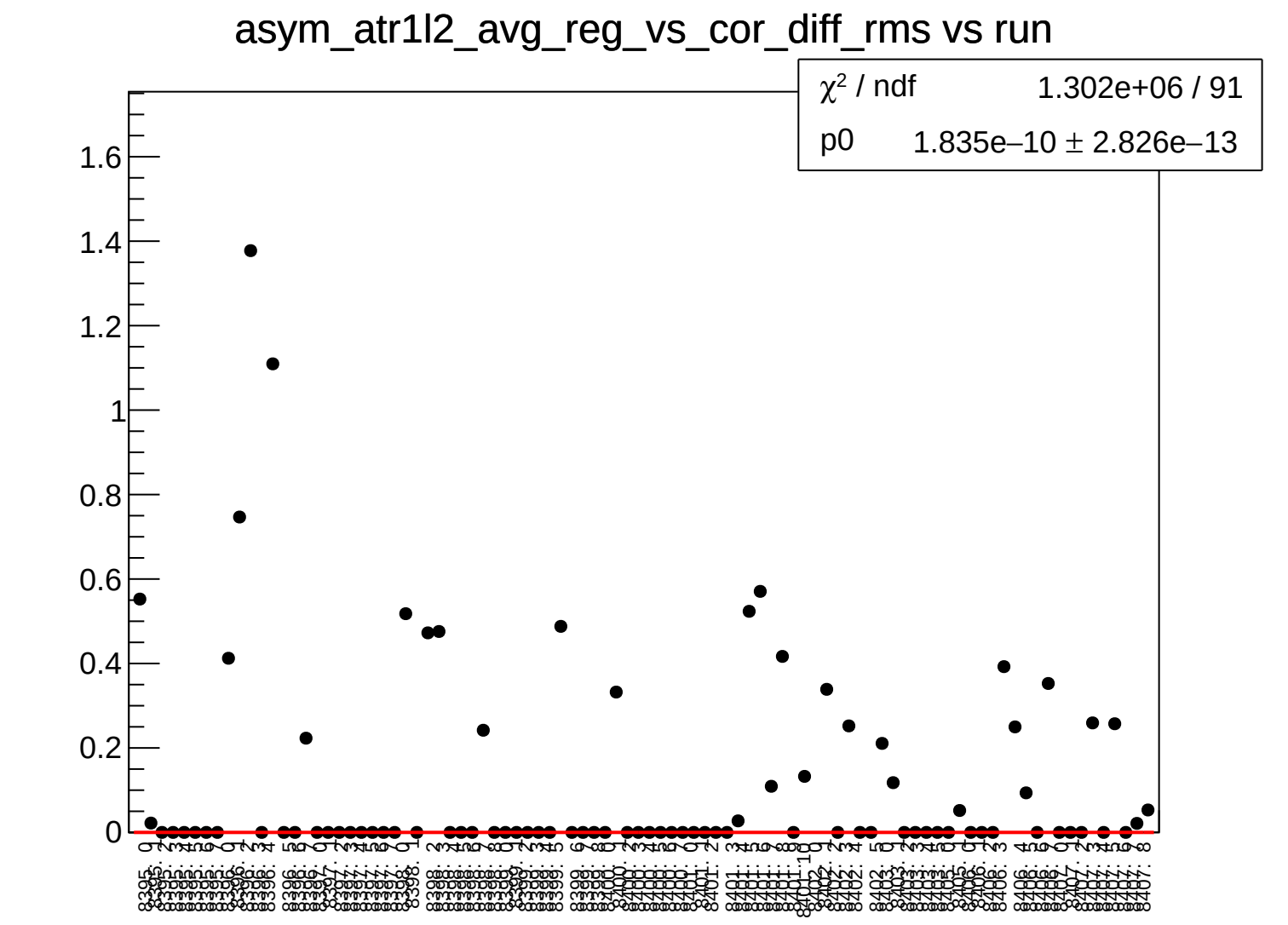

asym_atr1l2_avg_eigen_dit_correction_rms vs run
$\chi^2$ / ndf 6893 / 91
p0 4902 ± 3.742
5800
5600
5400
5200
5000
4800
4600
4400

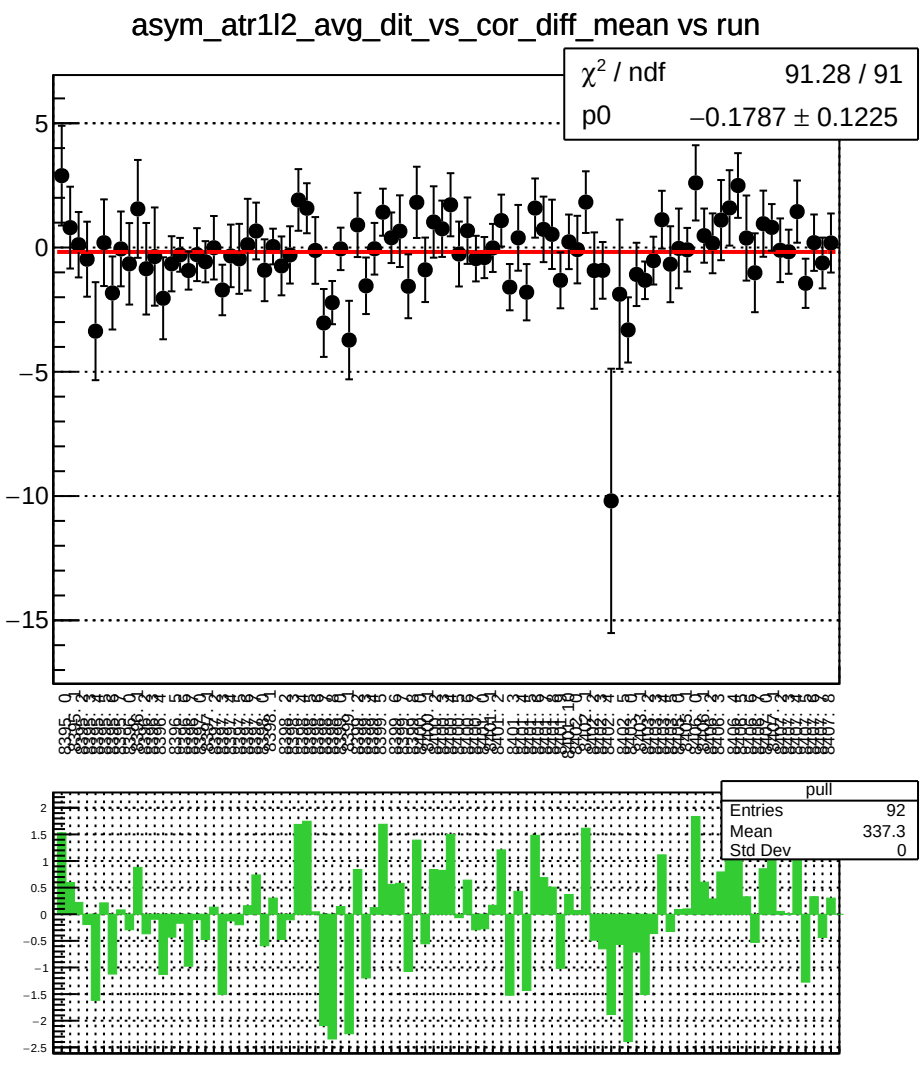

asym_atr1l2_avg_mean vs run
×10^3
χ^2 / ndf 101.1 / 91
p0 5498 ± 5602
pull
Entries 92
Mean −932.5
Std Dev 0

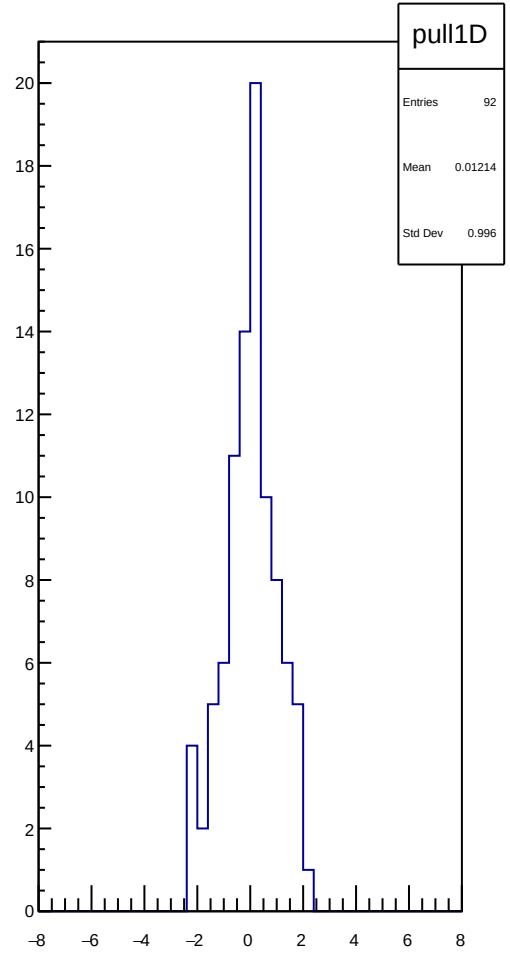

pull1D
Entries 92
Mean −0.0007704
Std Dev 1.049

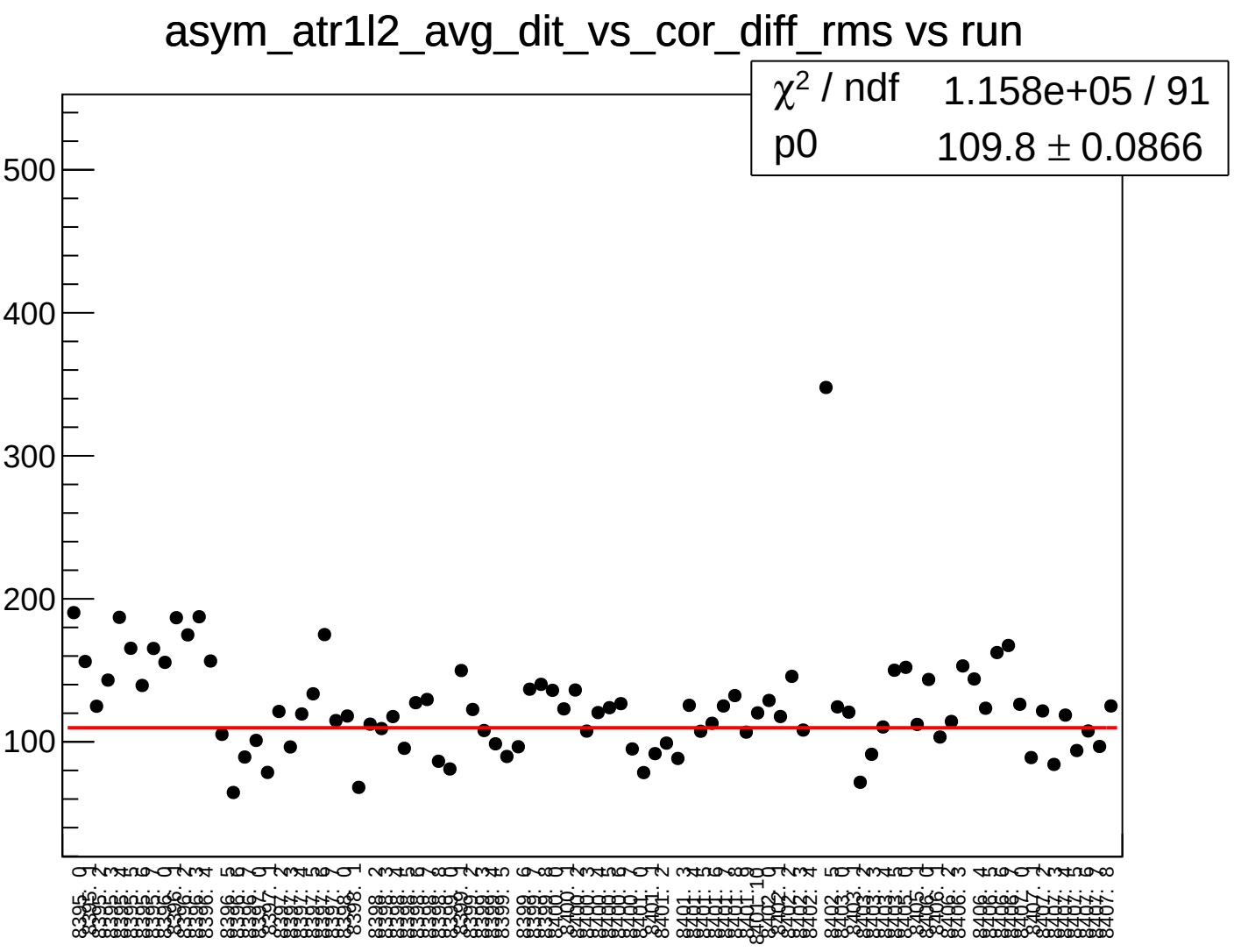

asym_atr1l2_avg_rms vs run
$\chi^2$ / ndf 7012 / 91
p0 5190 ± 3.961
6200
6000
5800
5600
5400
5200
5000
4800
4600

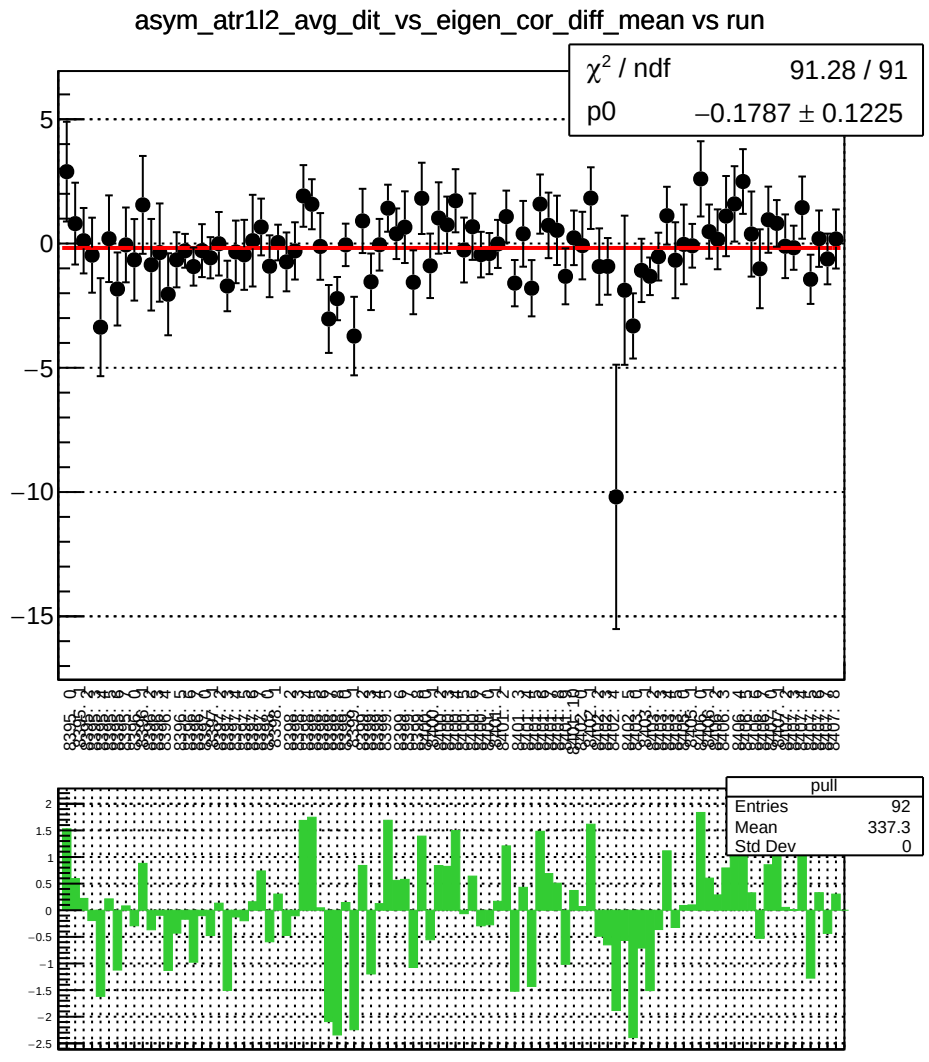

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.88 / 91
p0 5.459e−13 ± 3.997e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 92
Mean −20.85
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.03664
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

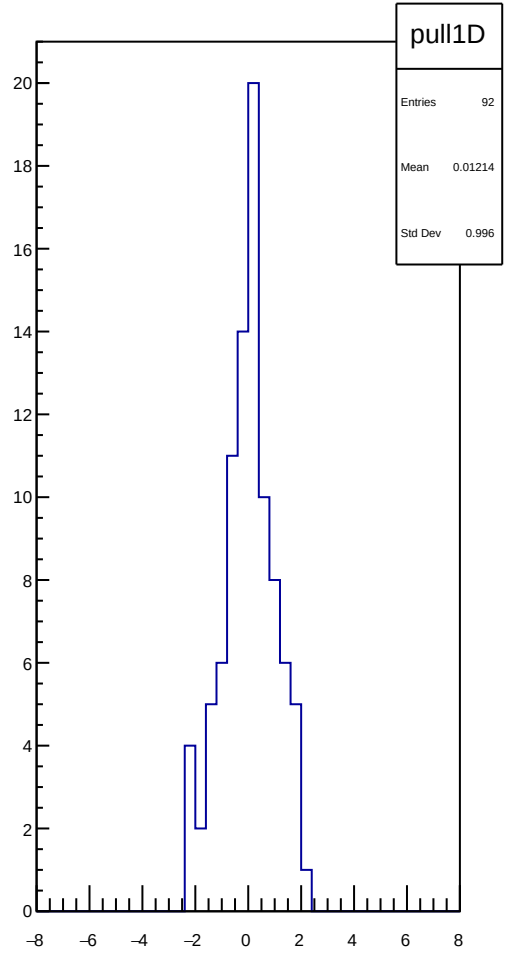

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.302e+06 / 91
p0 1.835e−10 ± 2.826e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

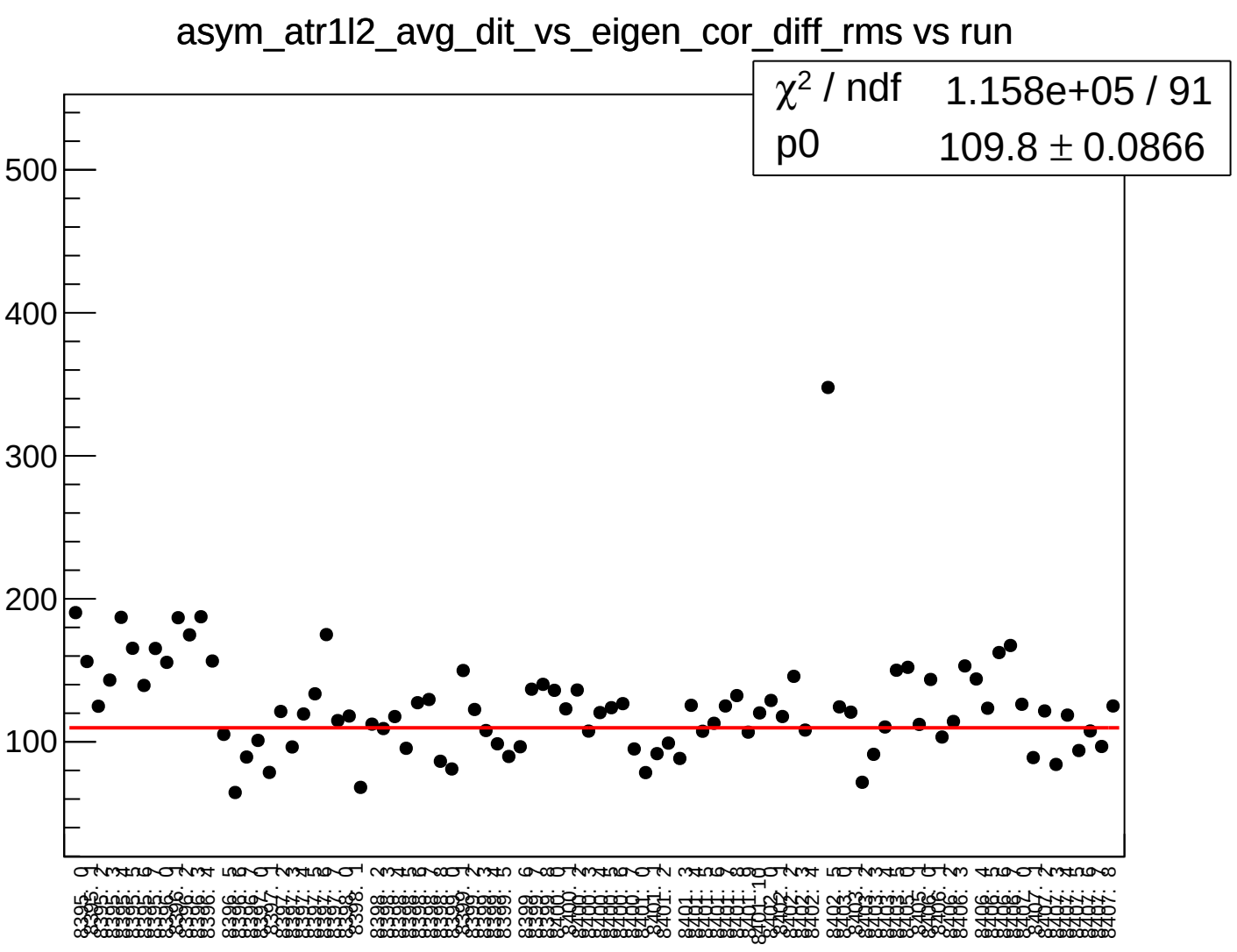

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.28 / 91
p0 −0.1787 ± 0.1225
pull
Entries 92
Mean 337.3
Std Dev 0

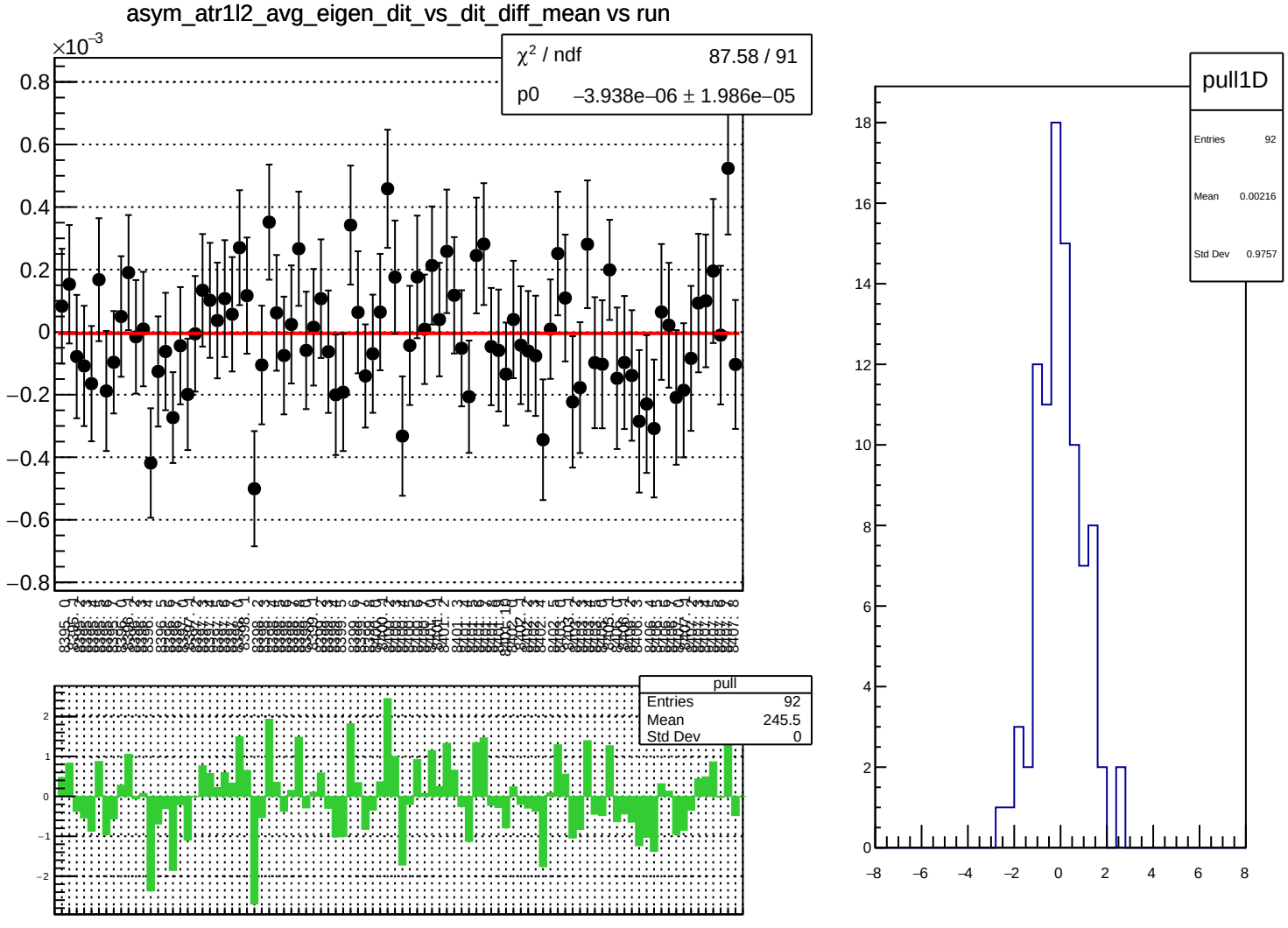

pull1D
Entries 92
Mean 0.01214
Std Dev 0.996

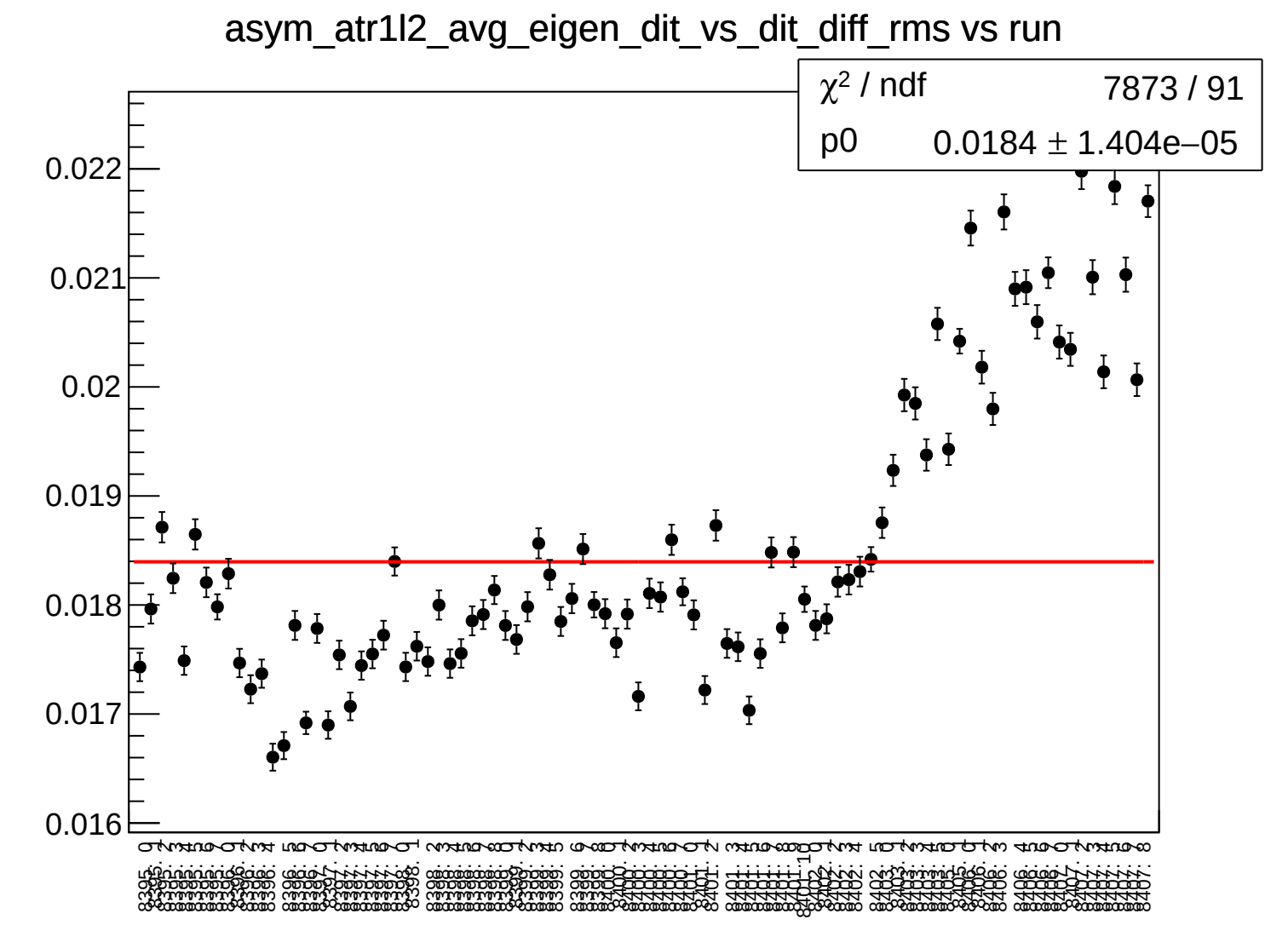

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 91
p0 109.8 ± 0.0866
500
400
300
200
100

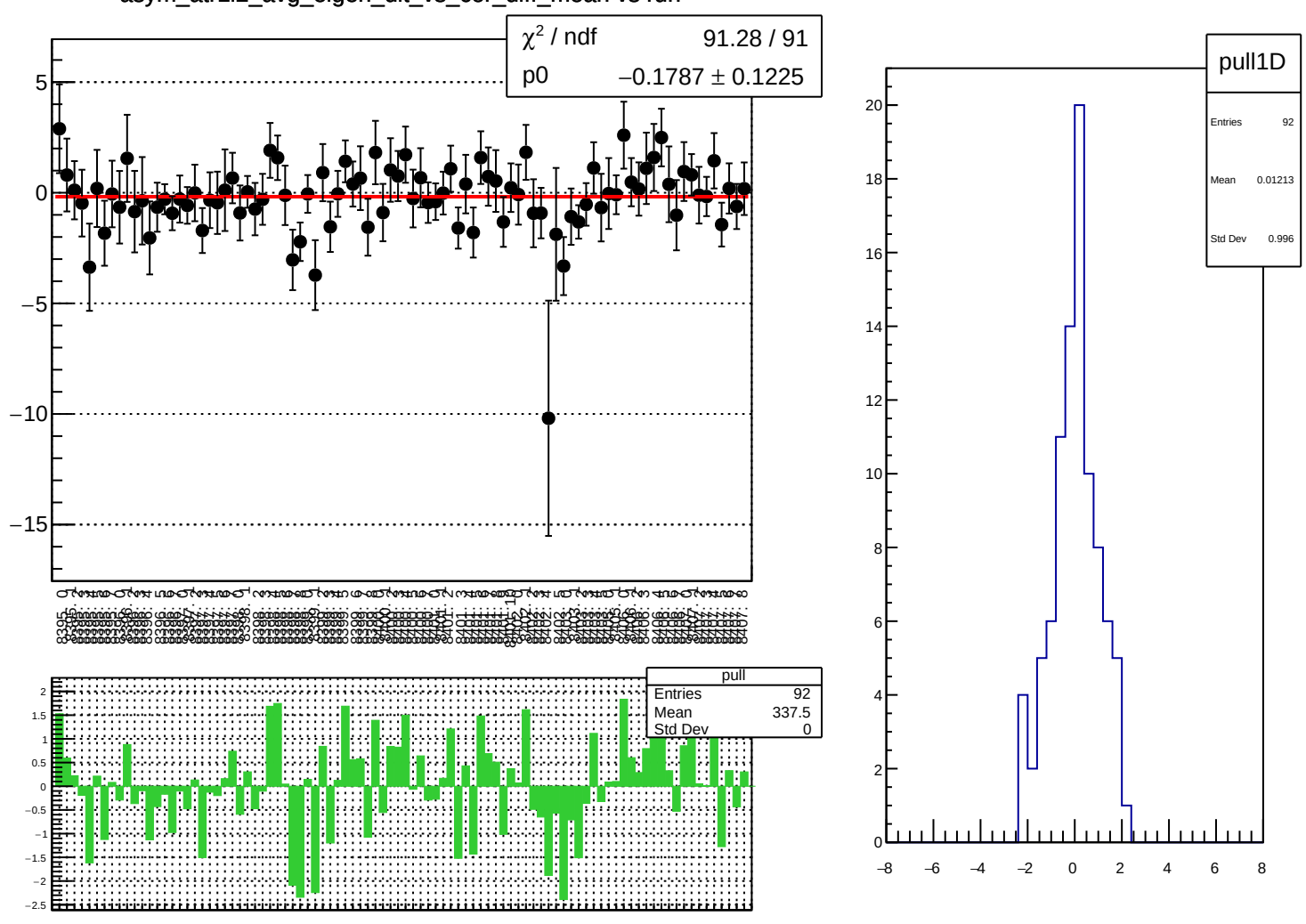

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.28 / 91
p0 −0.1787 ± 0.1225
pull
Entries 92
Mean 337.3
Std Dev 0

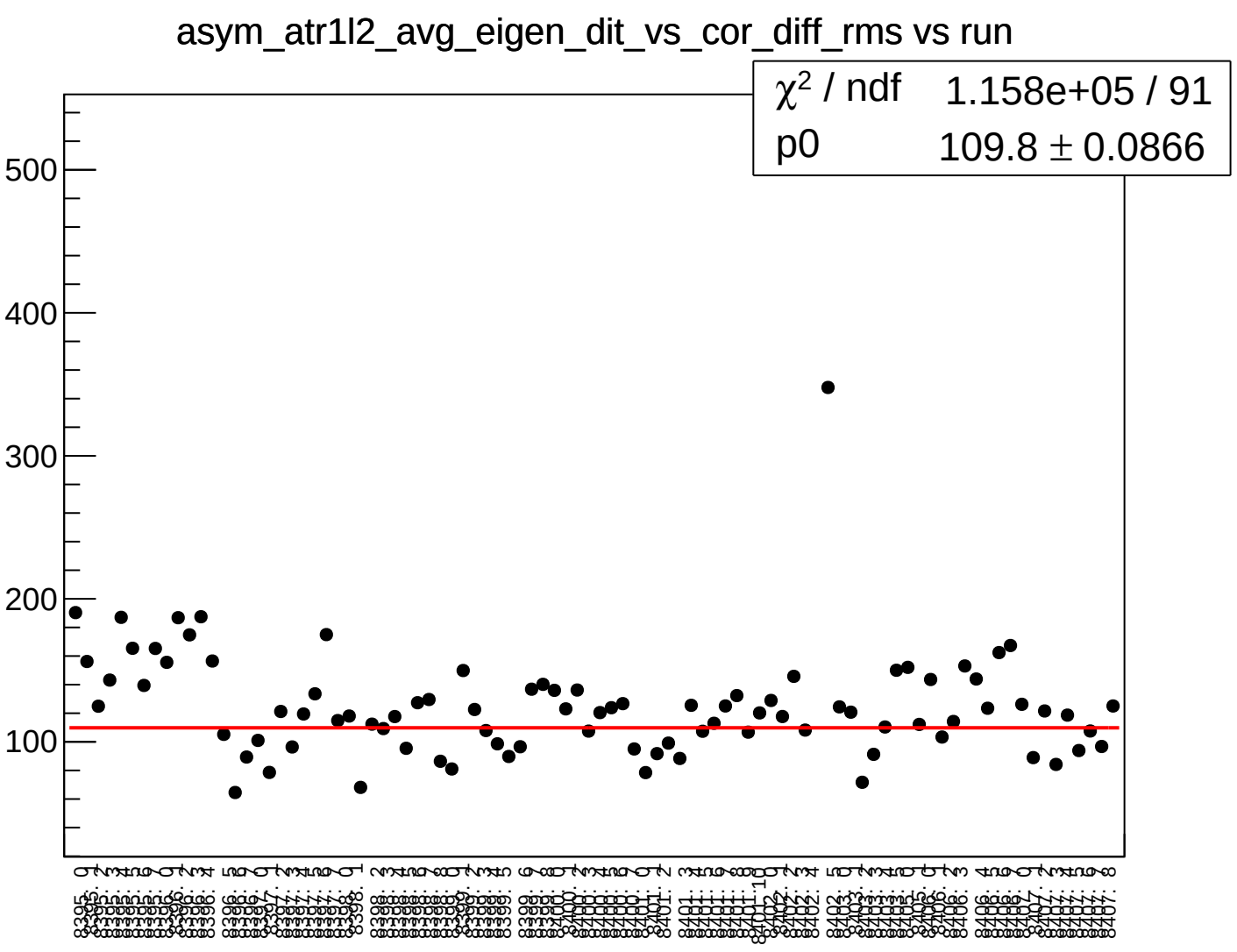

pull1D
Entries 92
Mean 0.01214
Std Dev 0.996

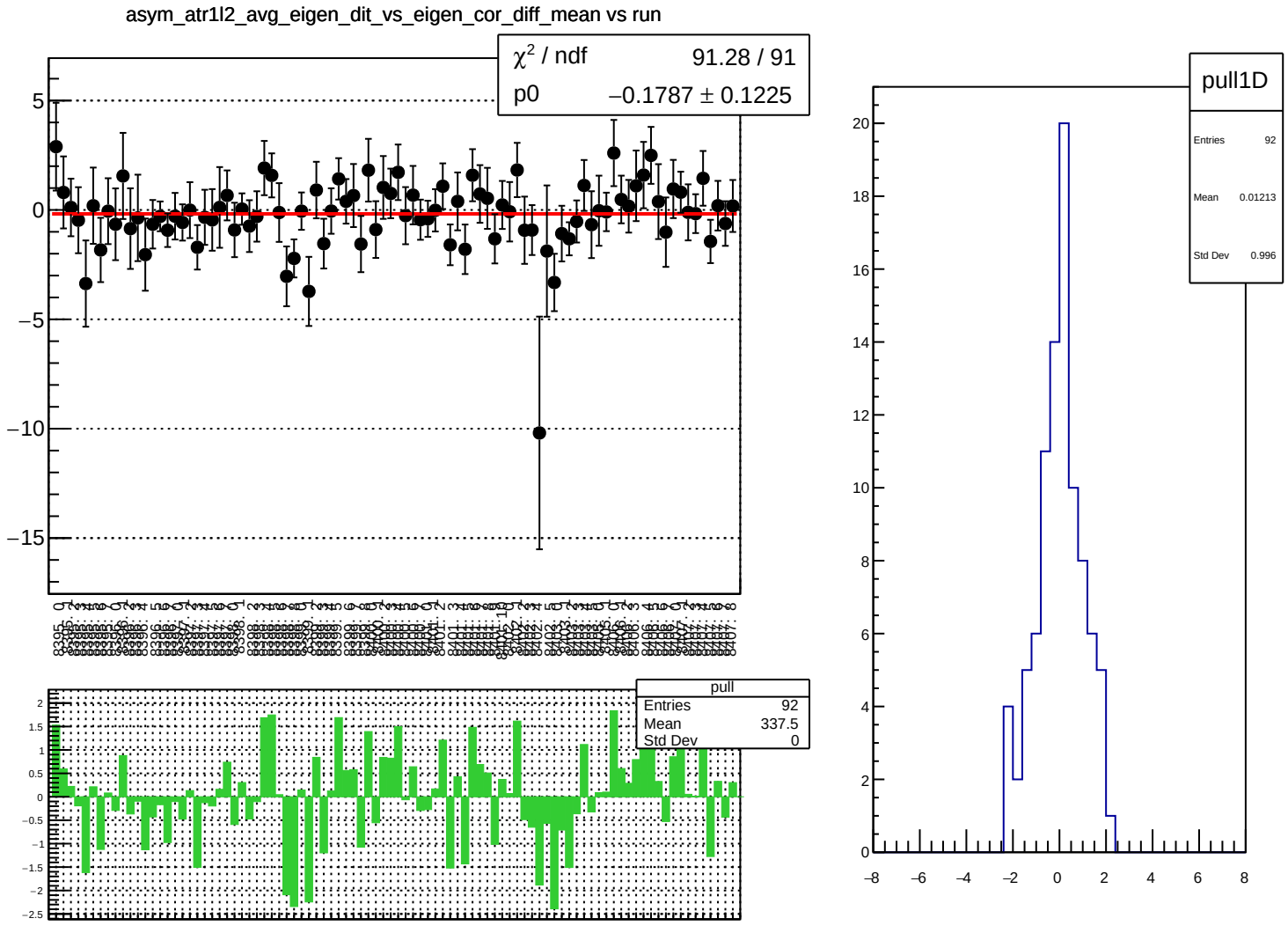

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 91
p0 109.8 ± 0.0866
500
400
300
200
100

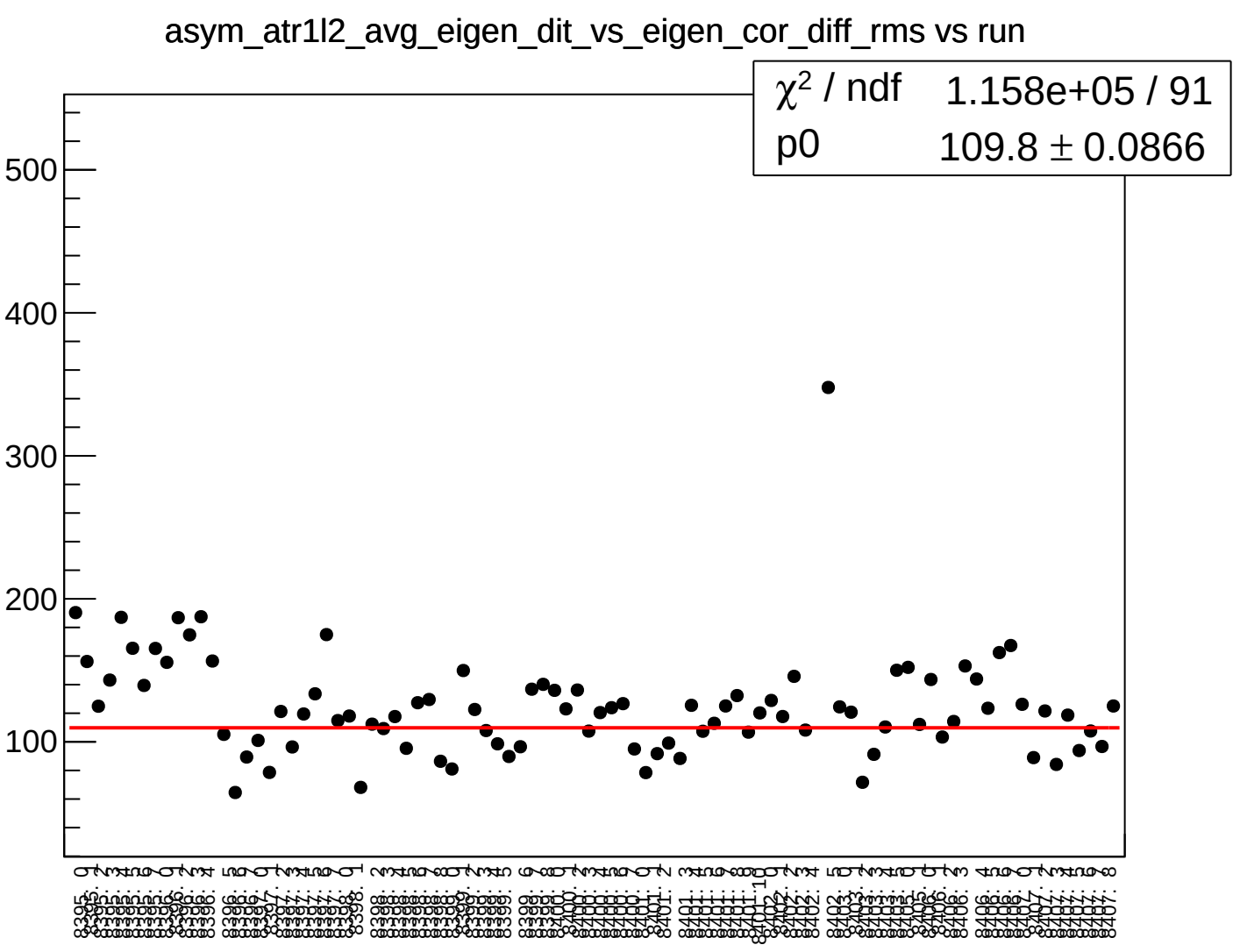

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 87.58 / 91
p0 −3.938e−06 ± 1.986e−05
pull
Entries 92
Mean 245.5
Std Dev 0
pull1D
Entries 92
Mean 0.00216
Std Dev 0.9757

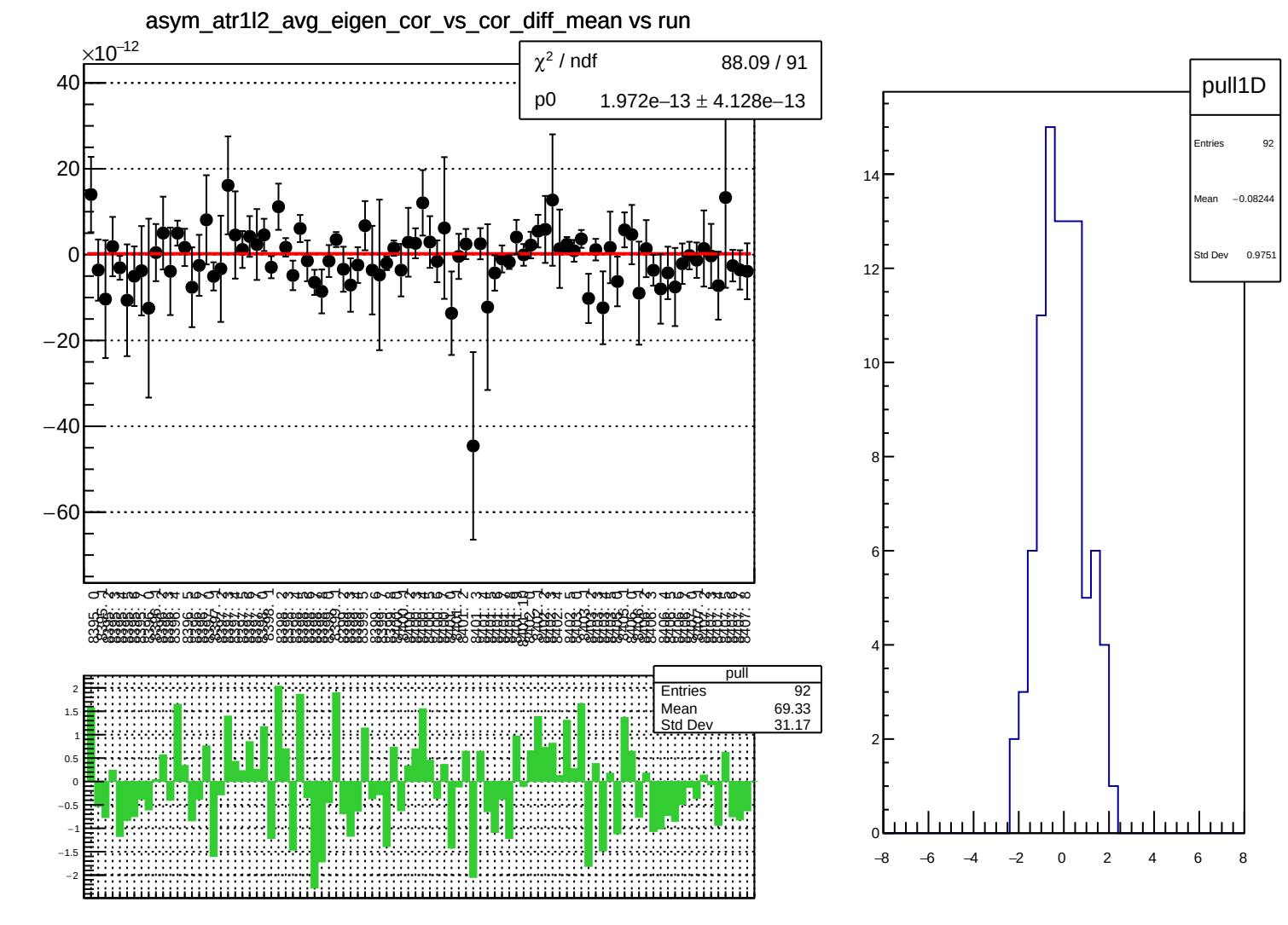

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7873 / 91
p0 0.0184 ± 1.404e−05
0.022
0.021
0.02
0.019
0.018
0.017
0.016

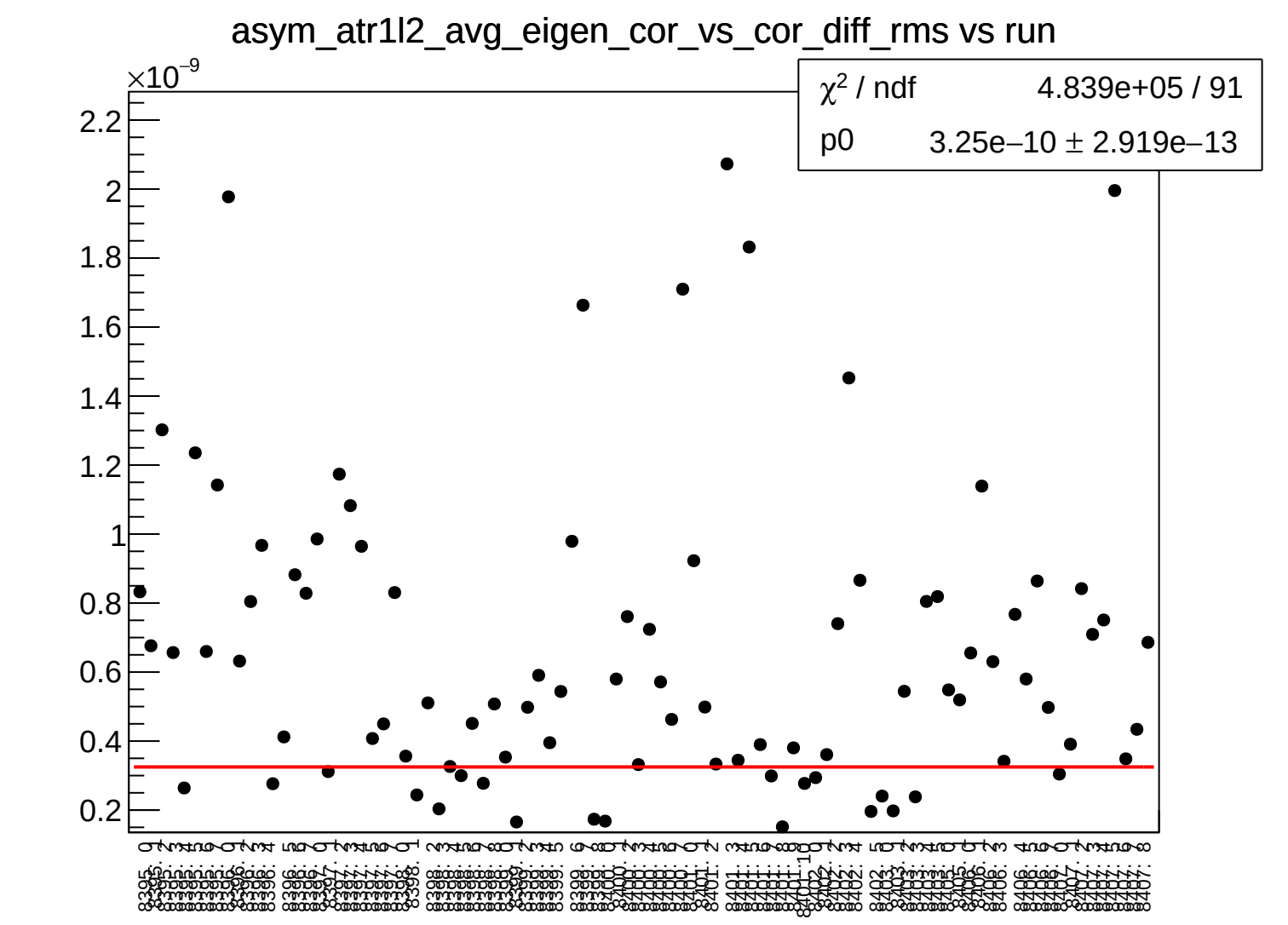

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.28 / 91
p0 −0.1787 ± 0.1225
pull
Entries 92
Mean 337.5
Std Dev 0
pull1D
Entries 92
Mean 0.01213
Std Dev 0.996

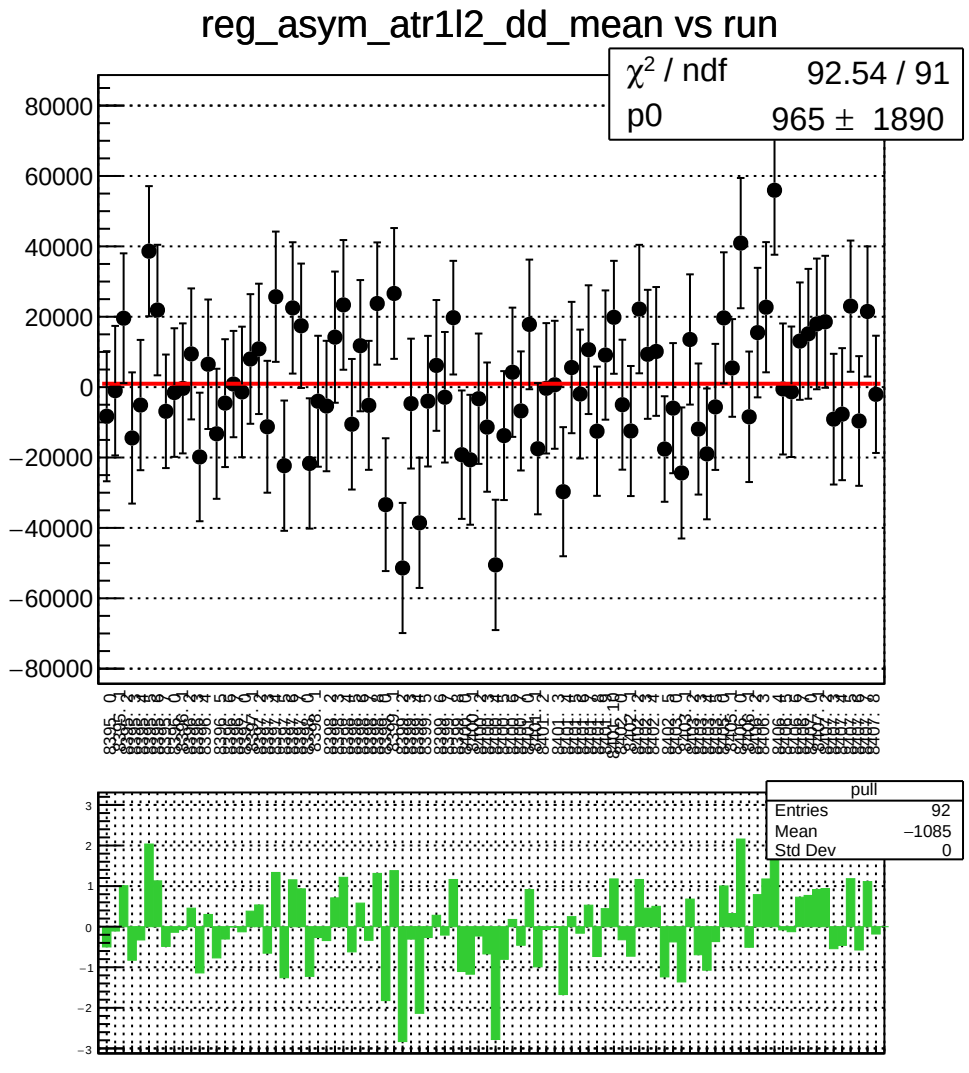

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 91
p0 109.8 ± 0.0866
500
400
300
200
100

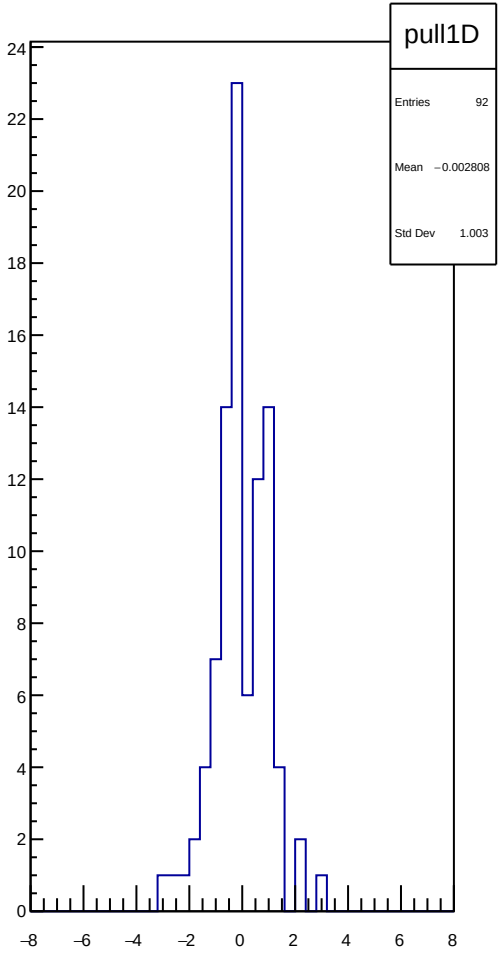

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.28 / 91
p0 −0.1787 ± 0.1225
pull
Entries 92
Mean 337.5
Std Dev 0
pull1D
Entries 92
Mean 0.01213
Std Dev 0.996

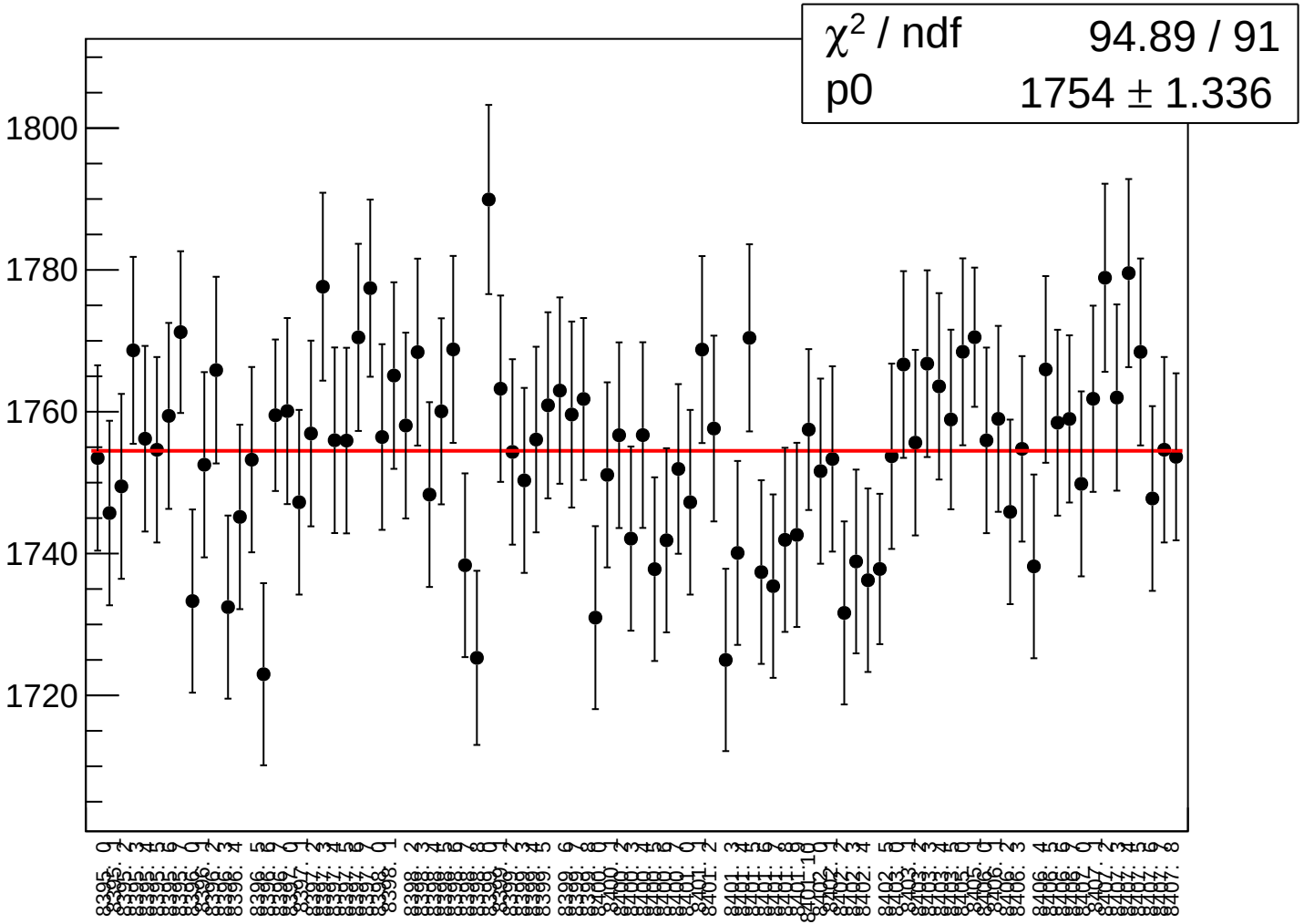

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.158e+05 / 91
p0 109.8 ± 0.0866
500
400
300
200
100

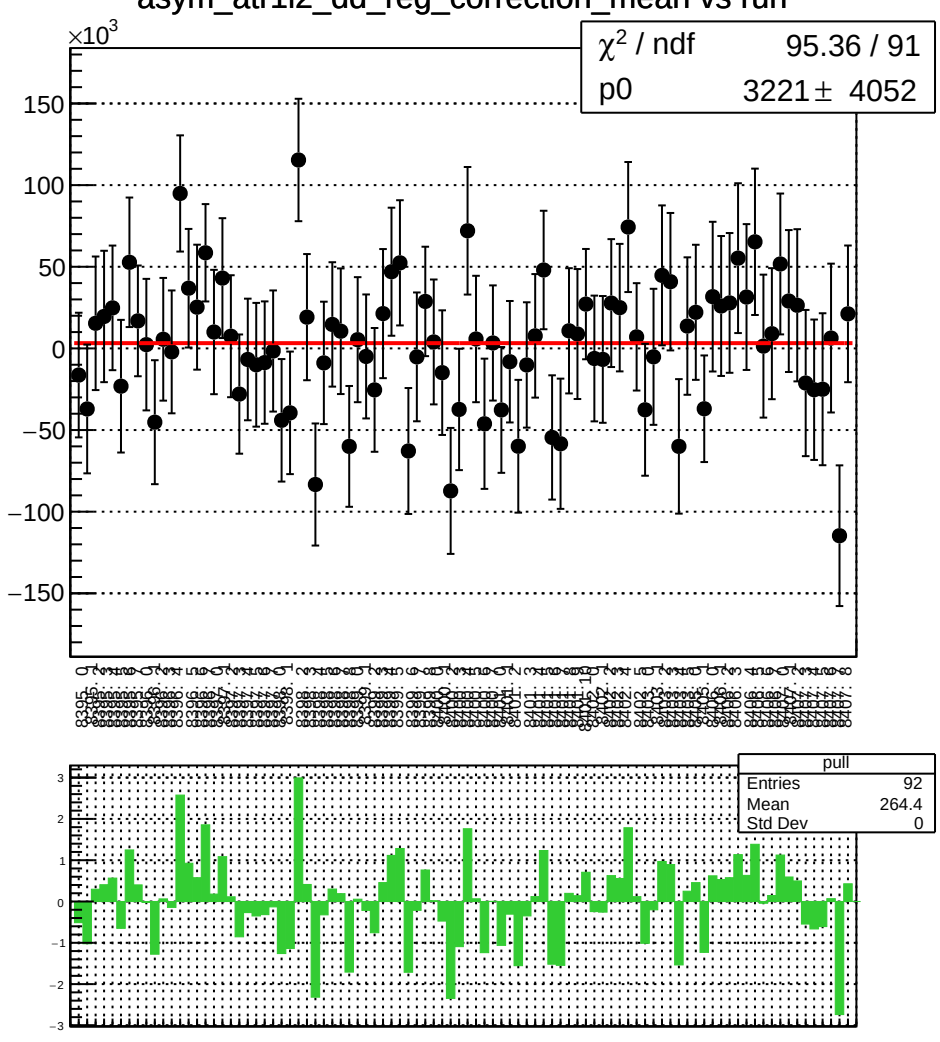

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 88.09 / 91
p0 1.972e−13 ± 4.128e−13
pull
Entries 92
Mean 69.33
Std Dev 31.17
pull1D
Entries 92
Mean −0.08244
Std Dev 0.9751

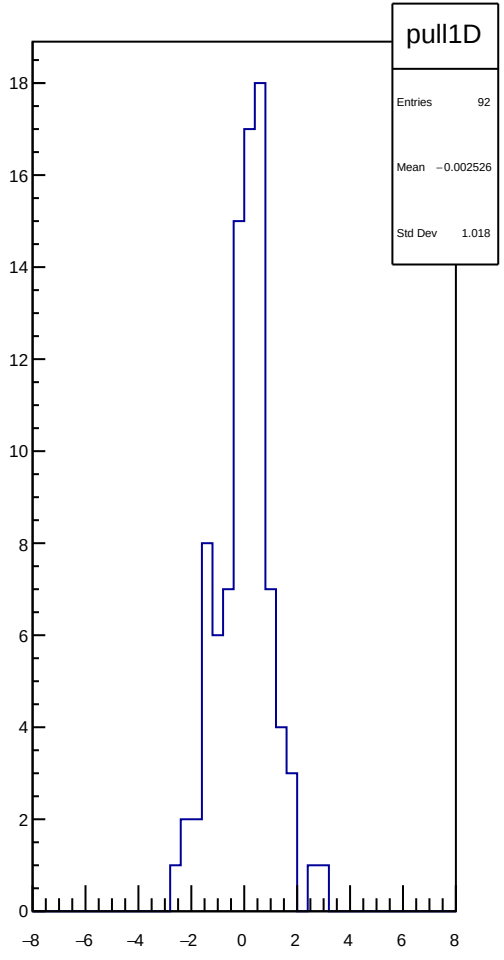

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.839e+05 / 91
p0 3.25e−10 ± 2.919e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

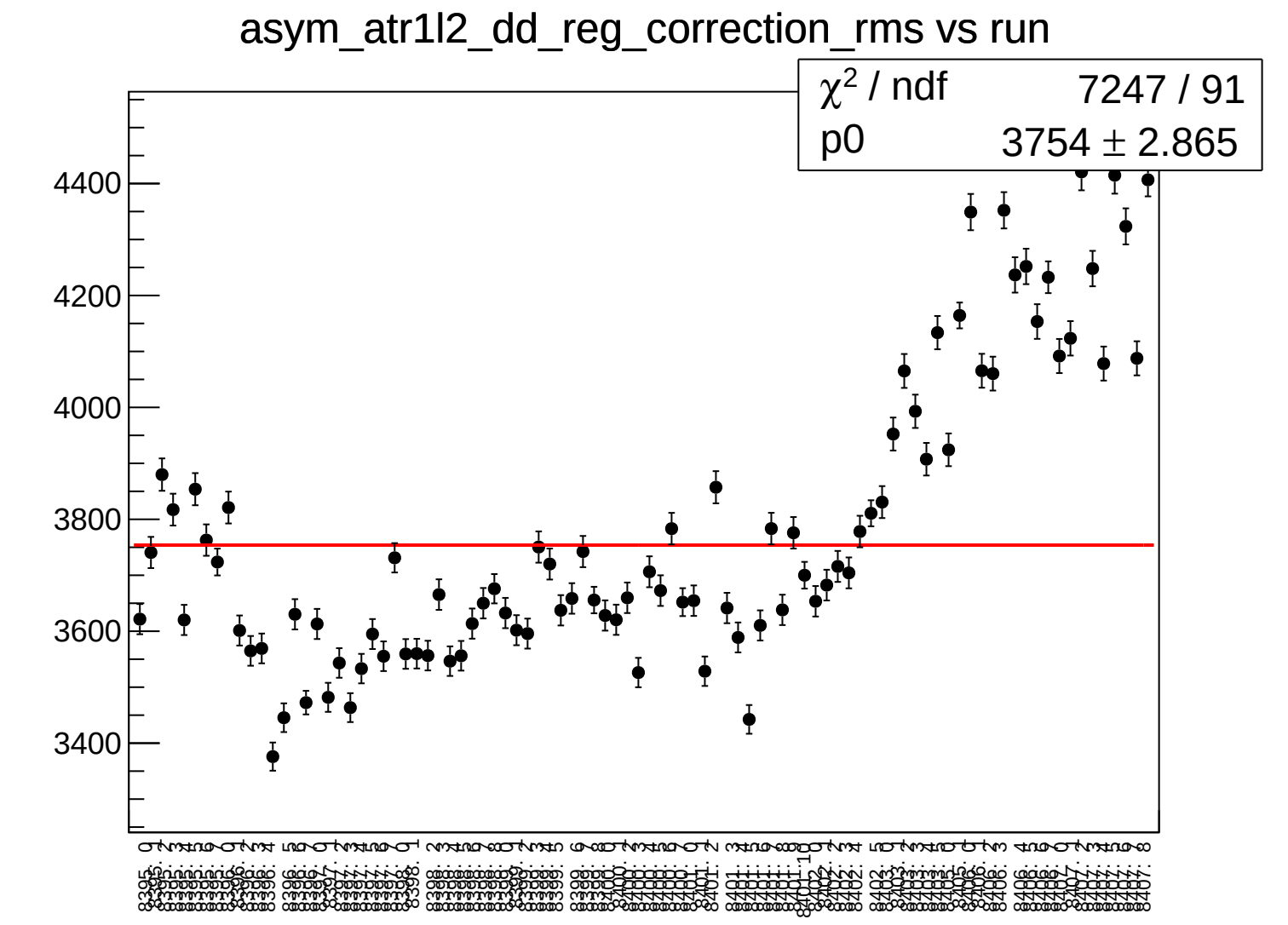

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 92.54 / 91
p0 965 ± 1890
pull
Entries 92
Mean −1085
Std Dev 0

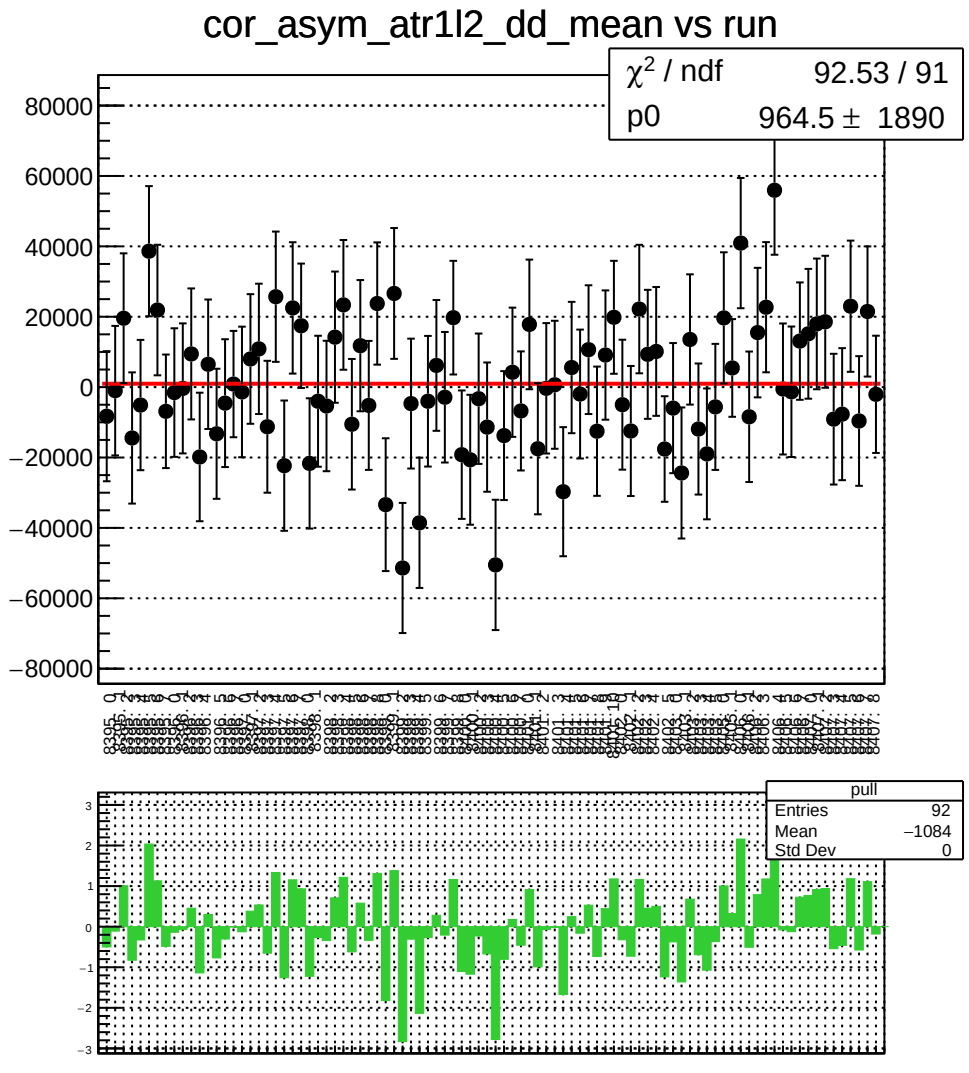

pull1D
Entries 92
Mean −0.002808
Std Dev 1.003

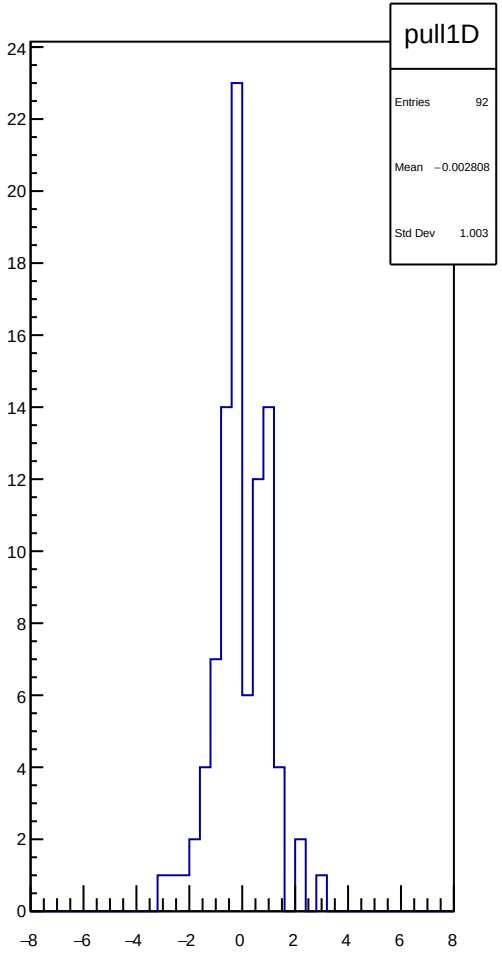

reg_asym_atr1l2_dd_rms vs run
$\chi^2$ / ndf 94.89 / 91
p0 1754 ± 1.336
1800
1780
1760
1740
1720

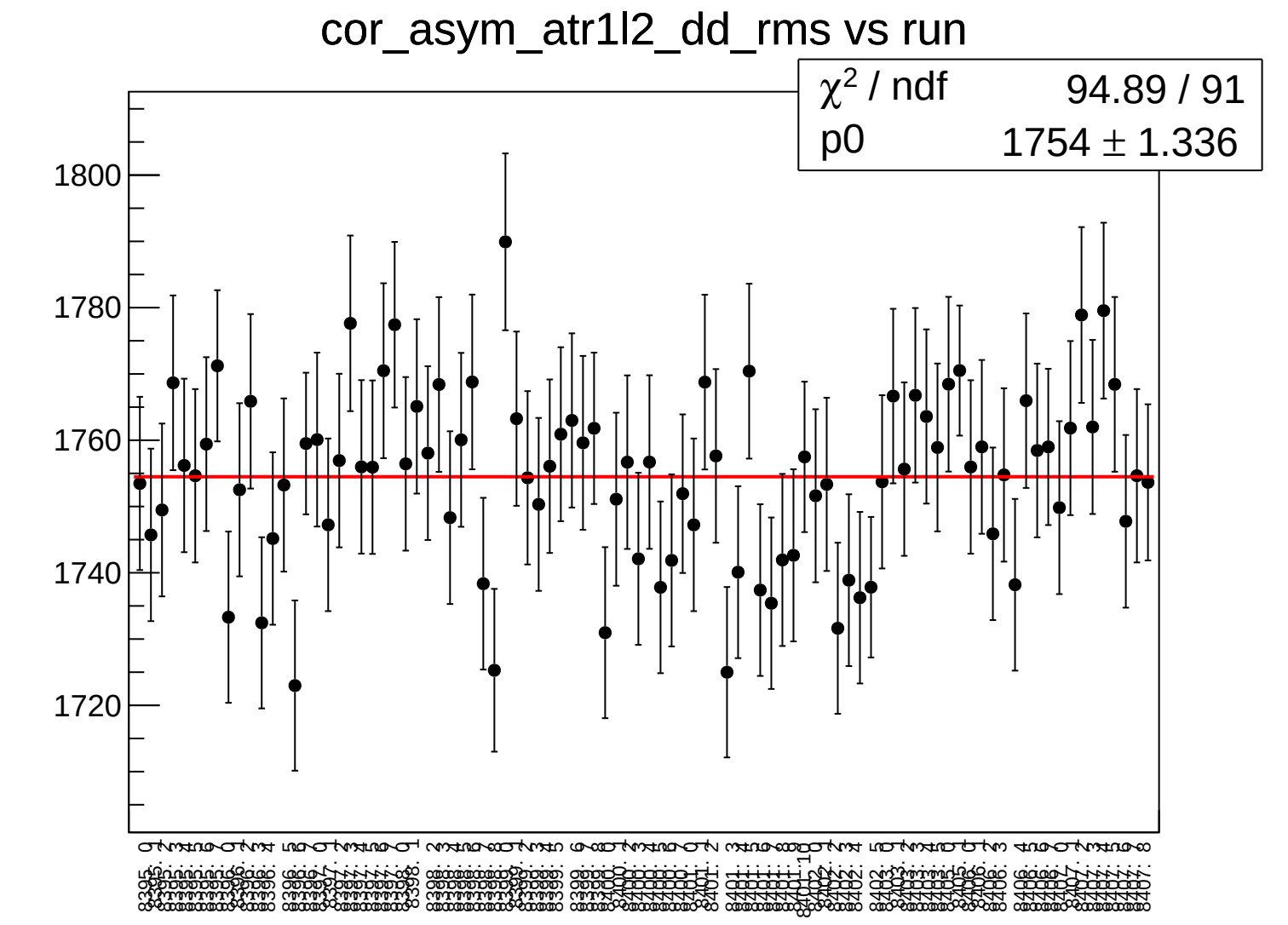

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 95.36 / 91
p0 3221 ± 4052
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 264.4
Std Dev 0
3
2
1
0
−1
−2
−3

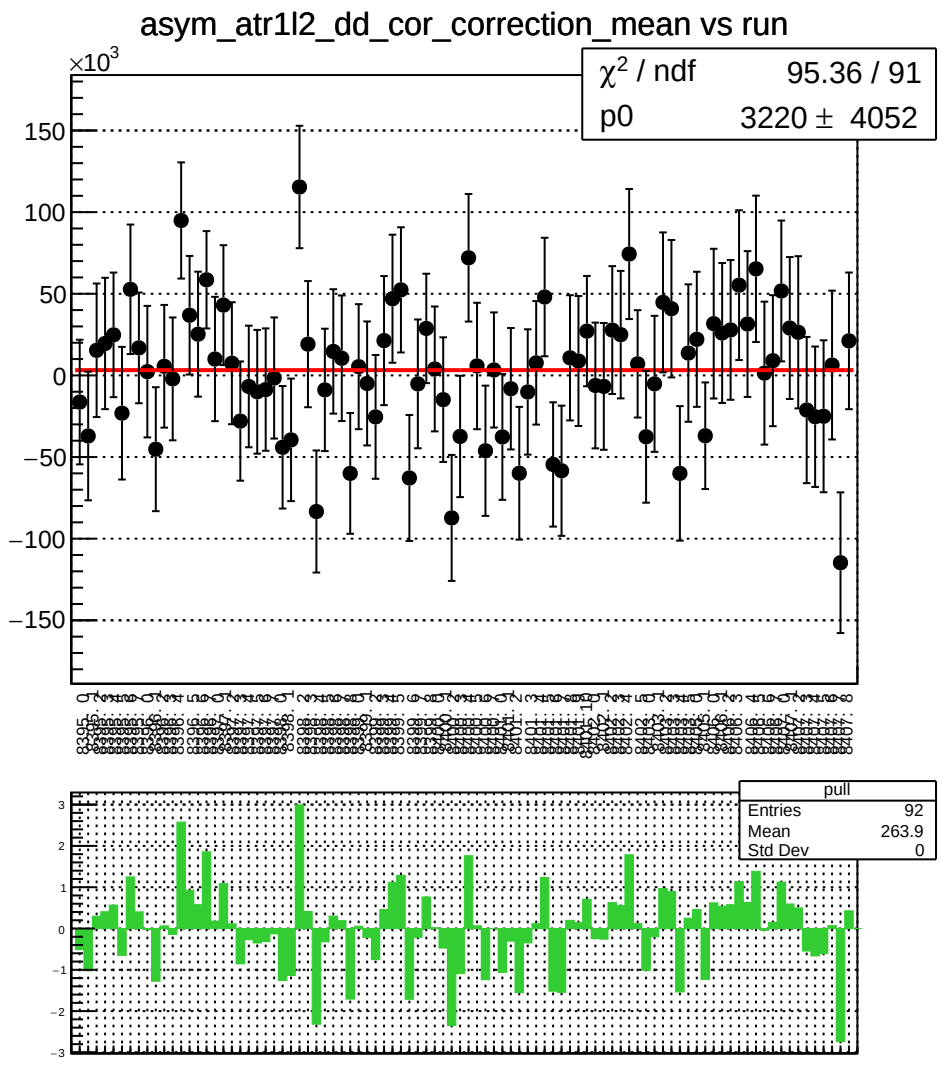

pull1D
Entries 92
Mean −0.002526
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

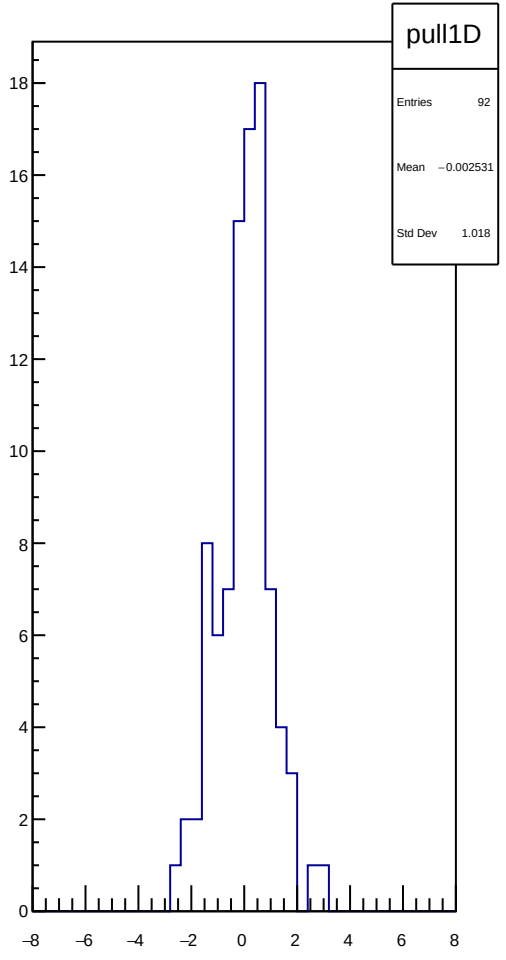

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 7247 / 91
p0 3754 ± 2.865
4400
4200
4000
3800
3600
3400

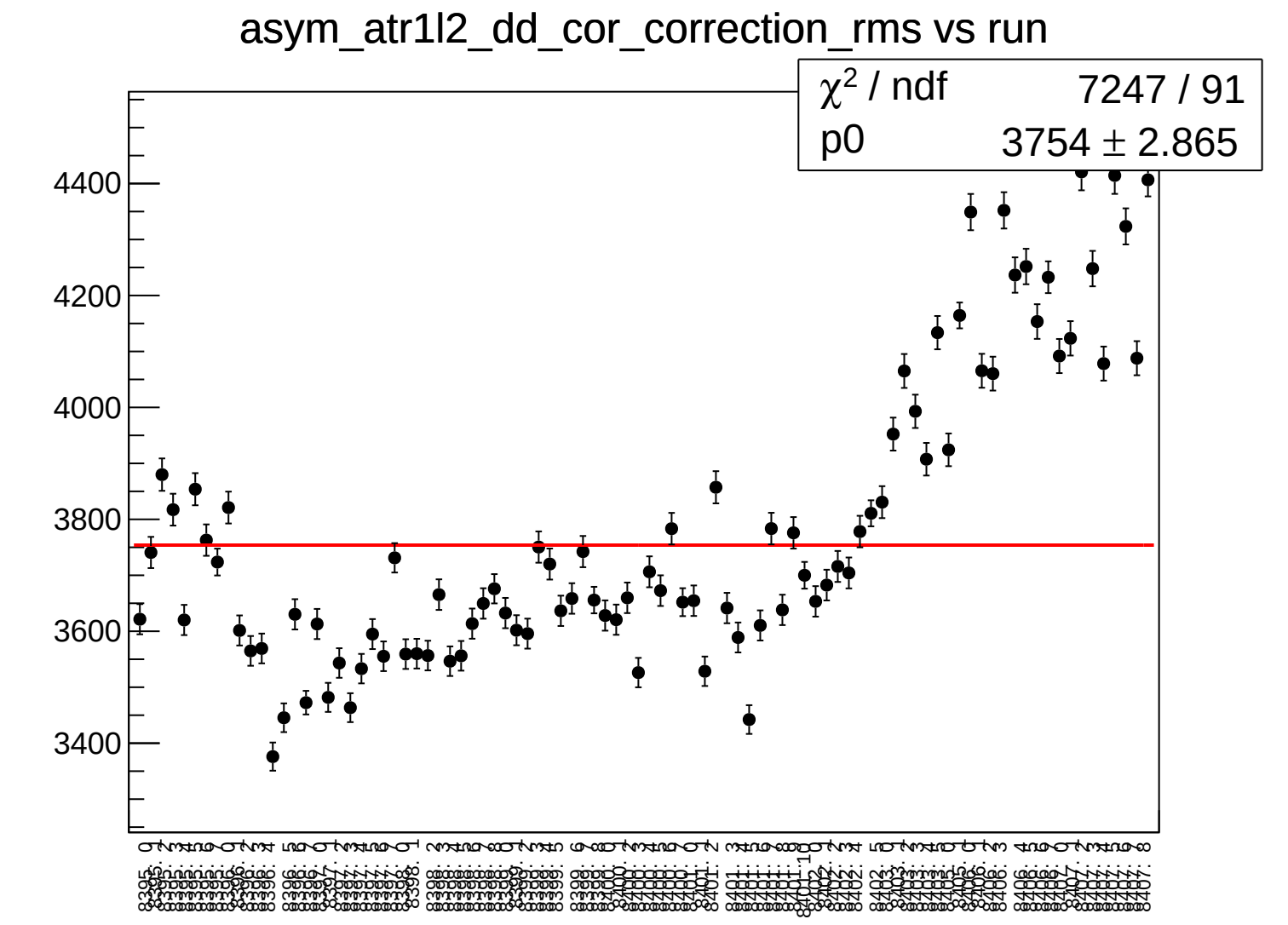

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 92.53 / 91
p0 964.5 ± 1890
pull
Entries 92
Mean −1084
Std Dev 0

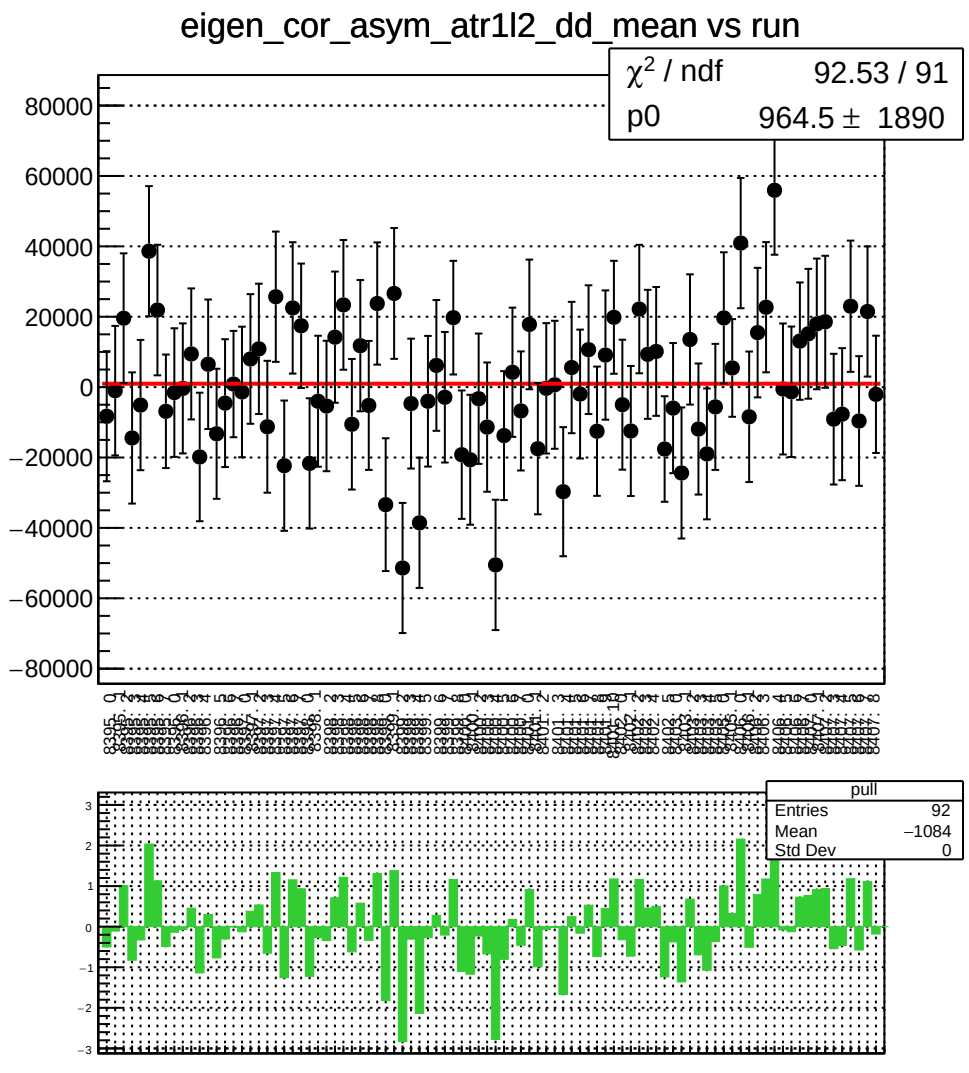

pull1D
Entries 92
Mean −0.002808
Std Dev 1.003

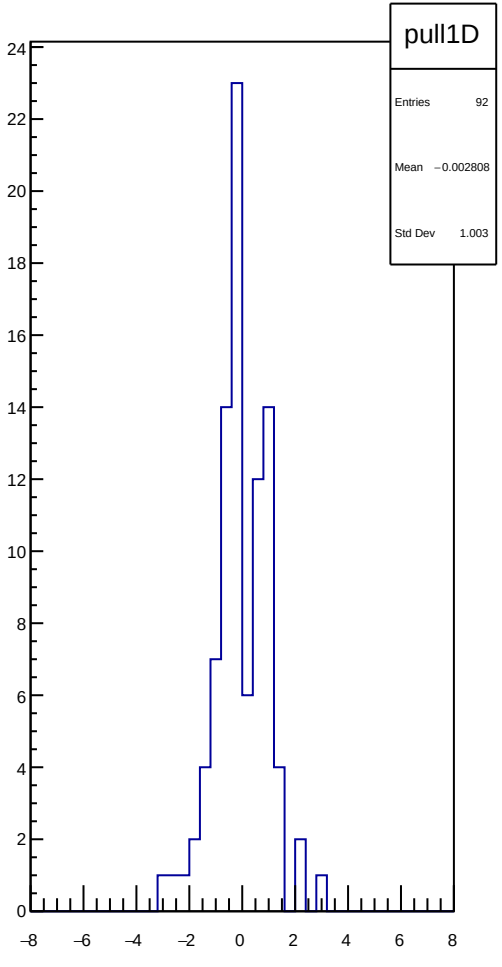

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 94.89 / 91
p0 1754 ± 1.336
1800
1780
1760
1740
1720

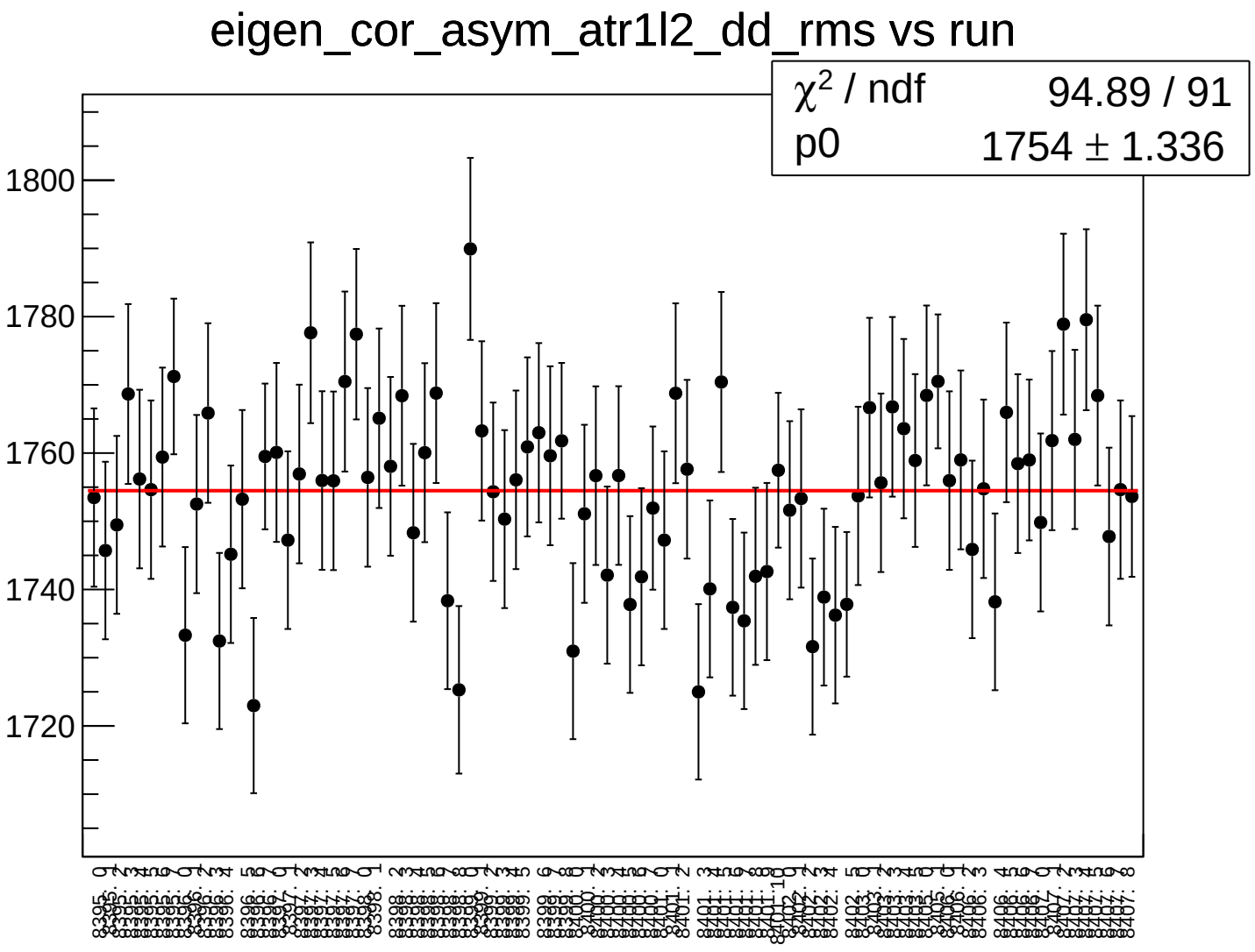

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 95.36 / 91
p0 3220 ± 4052
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 263.9
Std Dev 0
3
2
1
0
−1
−2
−3

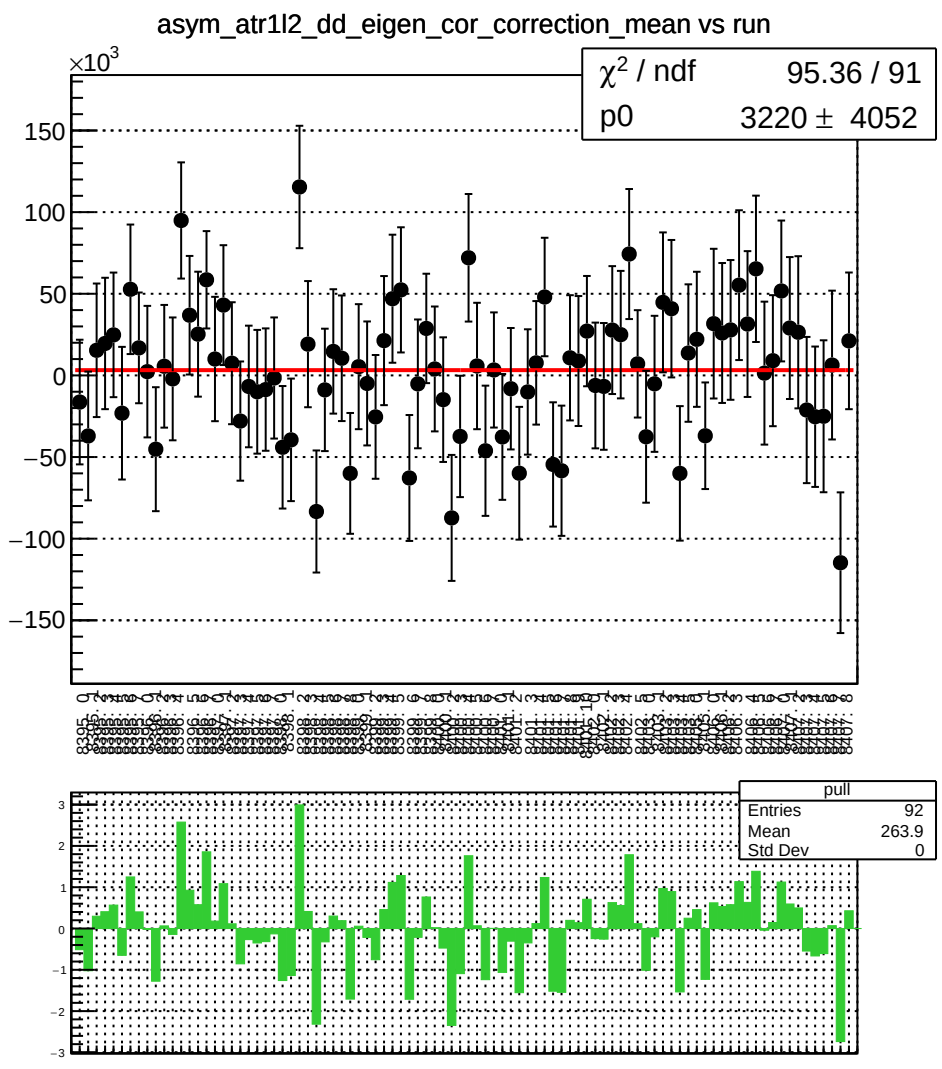

pull1D
Entries 92
Mean −0.002531
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

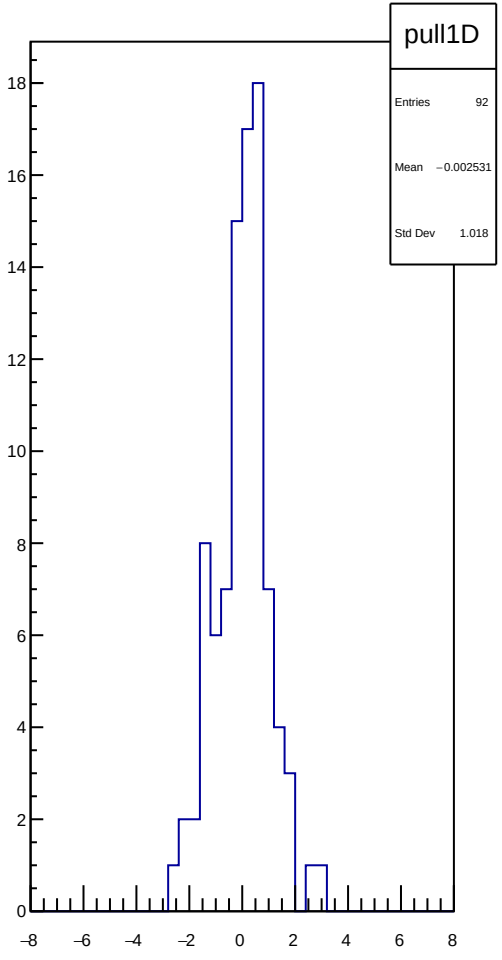

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 7247 / 91
p0 3754 ± 2.865
4400
4200
4000
3800
3600
3400

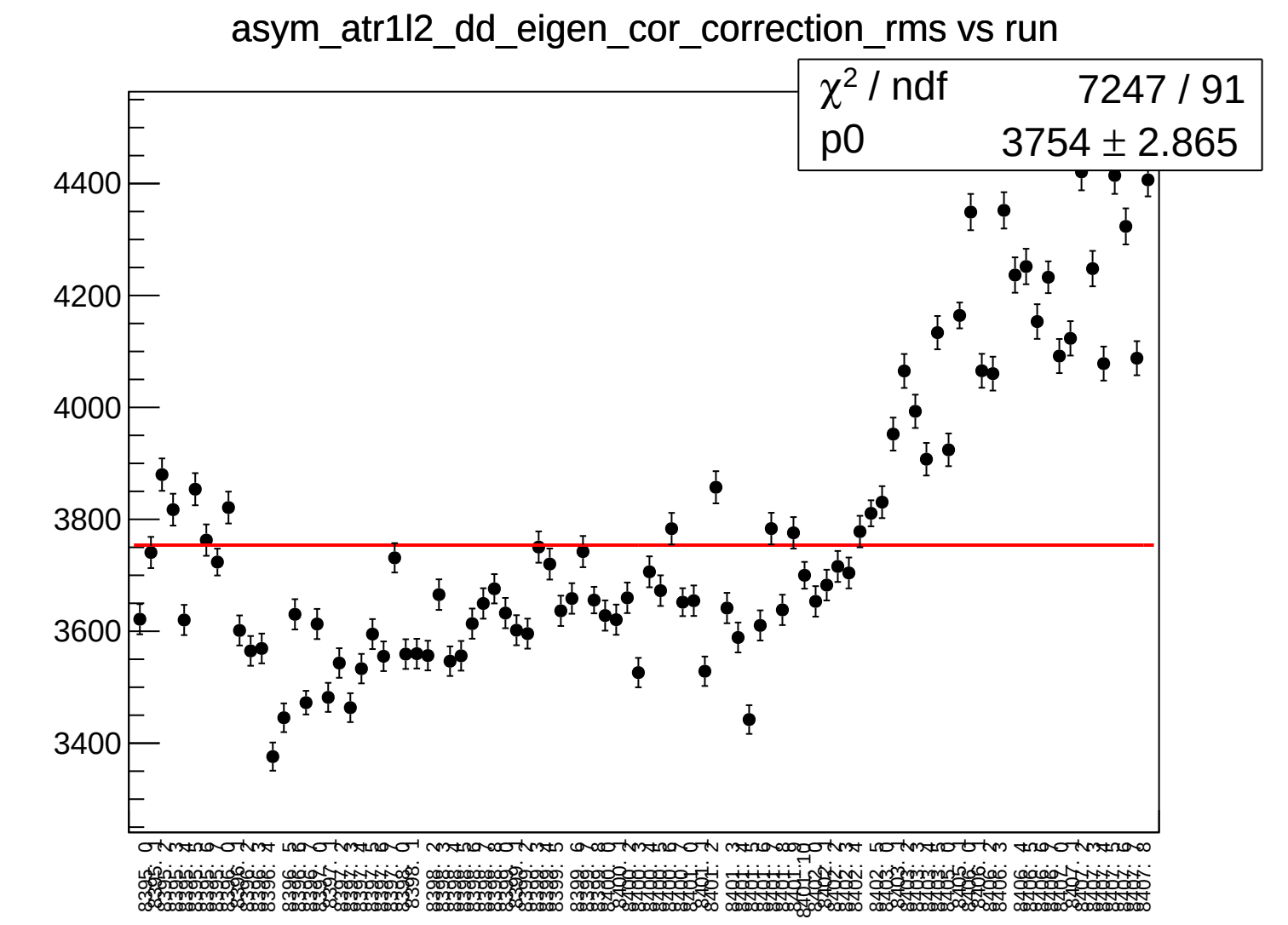

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 92.53 / 91
p0 964.5 ± 1890
pull
Entries 92
Mean −1084
Std Dev 0

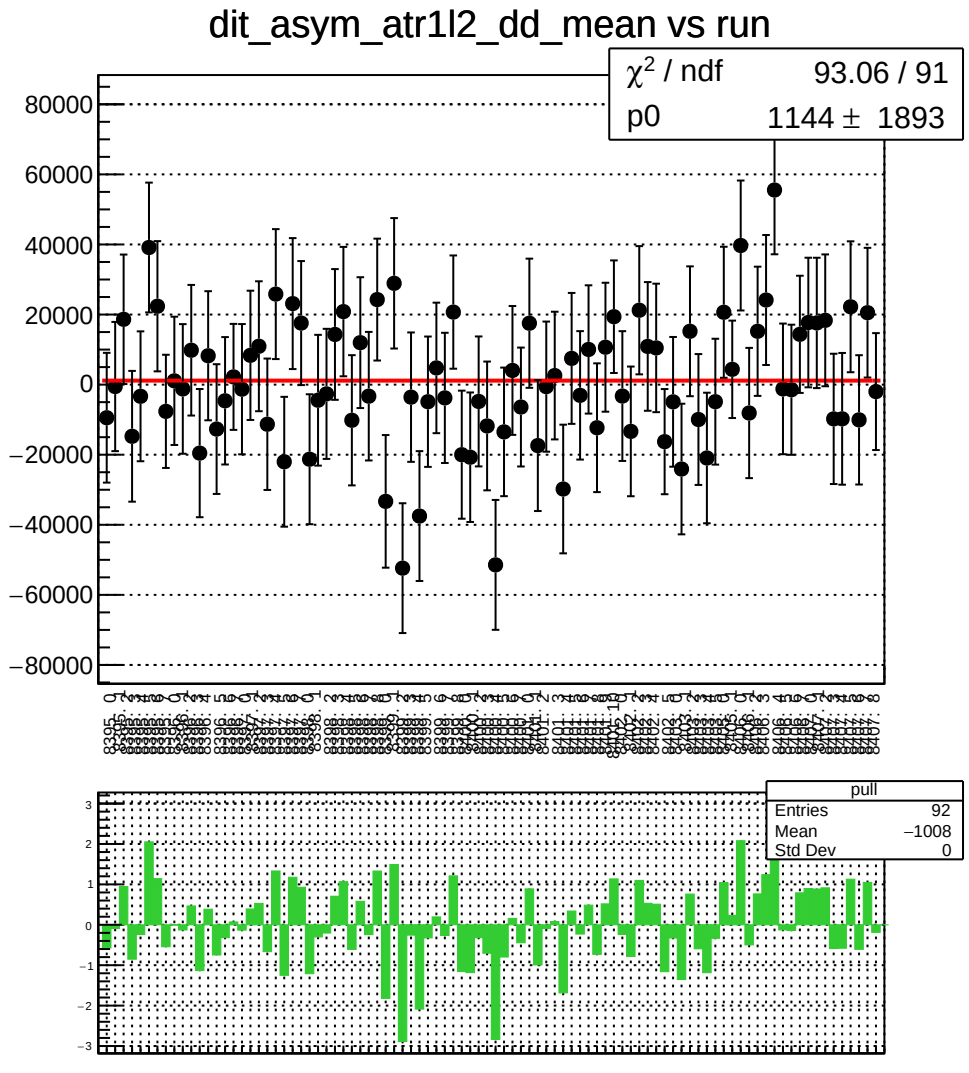

pull1D
Entries 92
Mean −0.002808
Std Dev 1.003

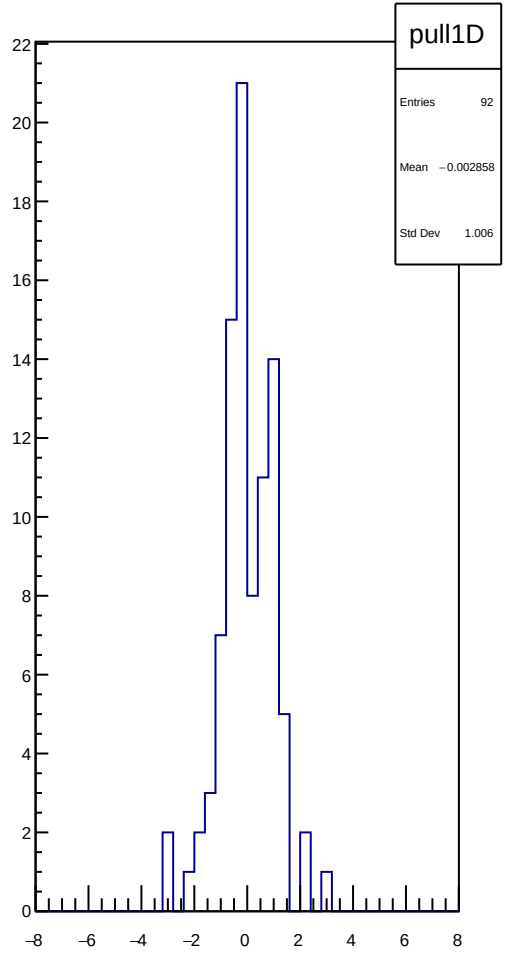

eigen_cor_asym_atr1l2_dd_rms vs run
$\chi^2$ / ndf 94.89 / 91
p0 1754 ± 1.336
1800
1780
1760
1740
1720

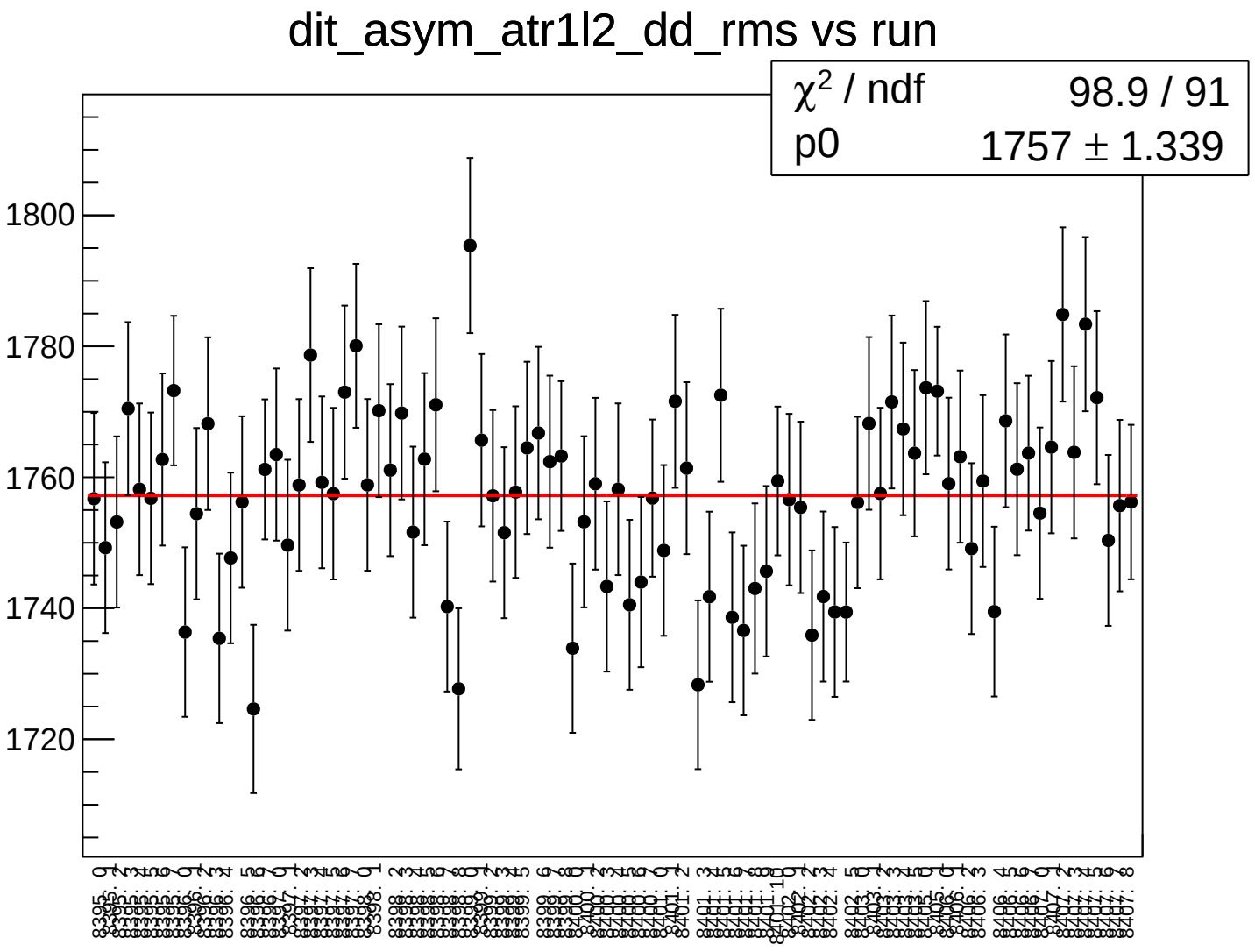

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 95.36 / 91
p0 3220 ± 4052
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 263.9
Std Dev 0
3
2
1
0
−1
−2
−3

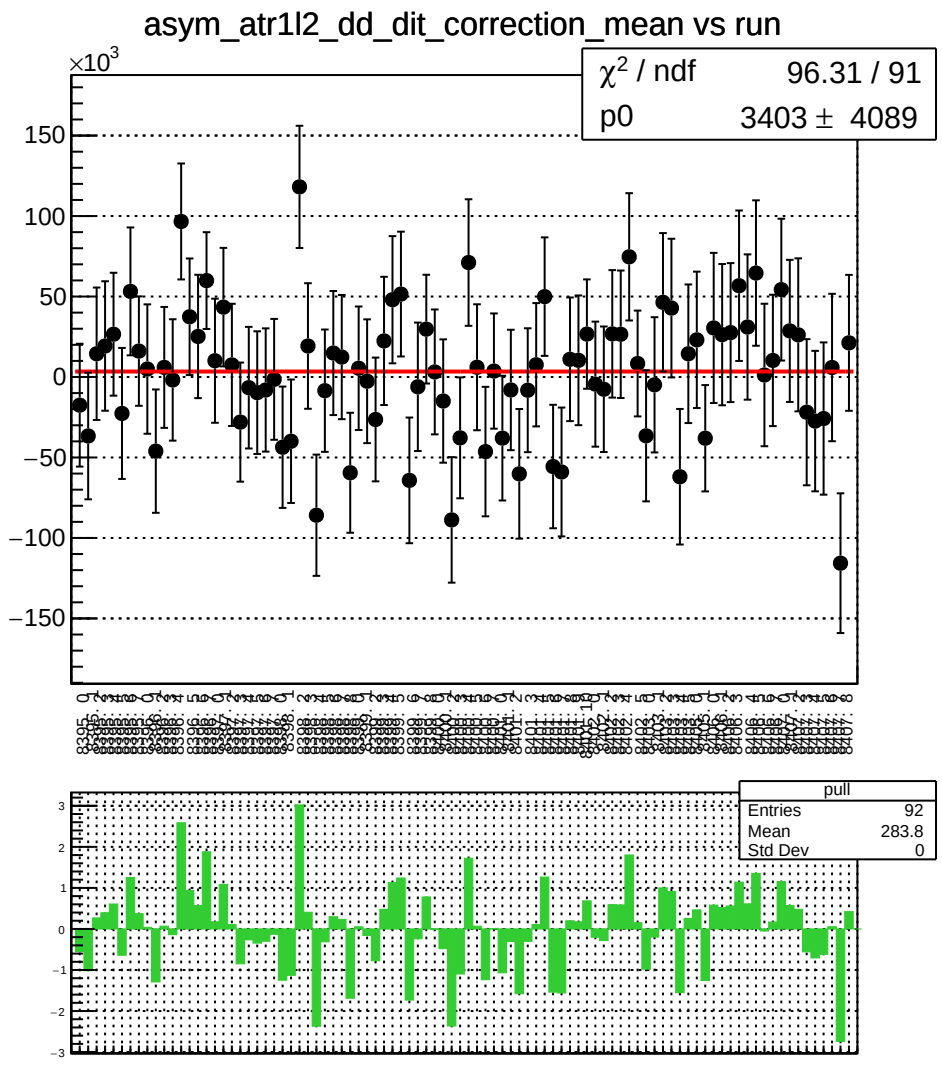

pull1D
Entries 92
Mean −0.002531
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

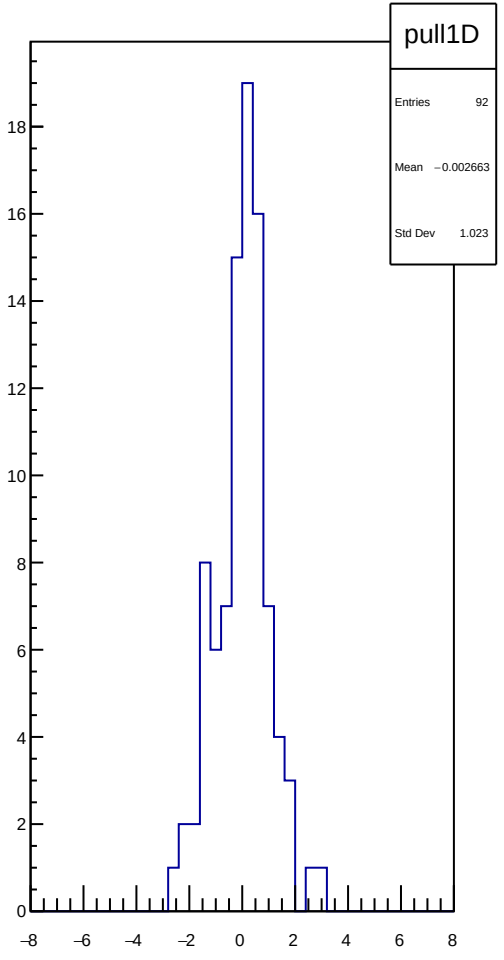

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7247 / 91
p0 3754 ± 2.865
4400
4200
4000
3800
3600
3400

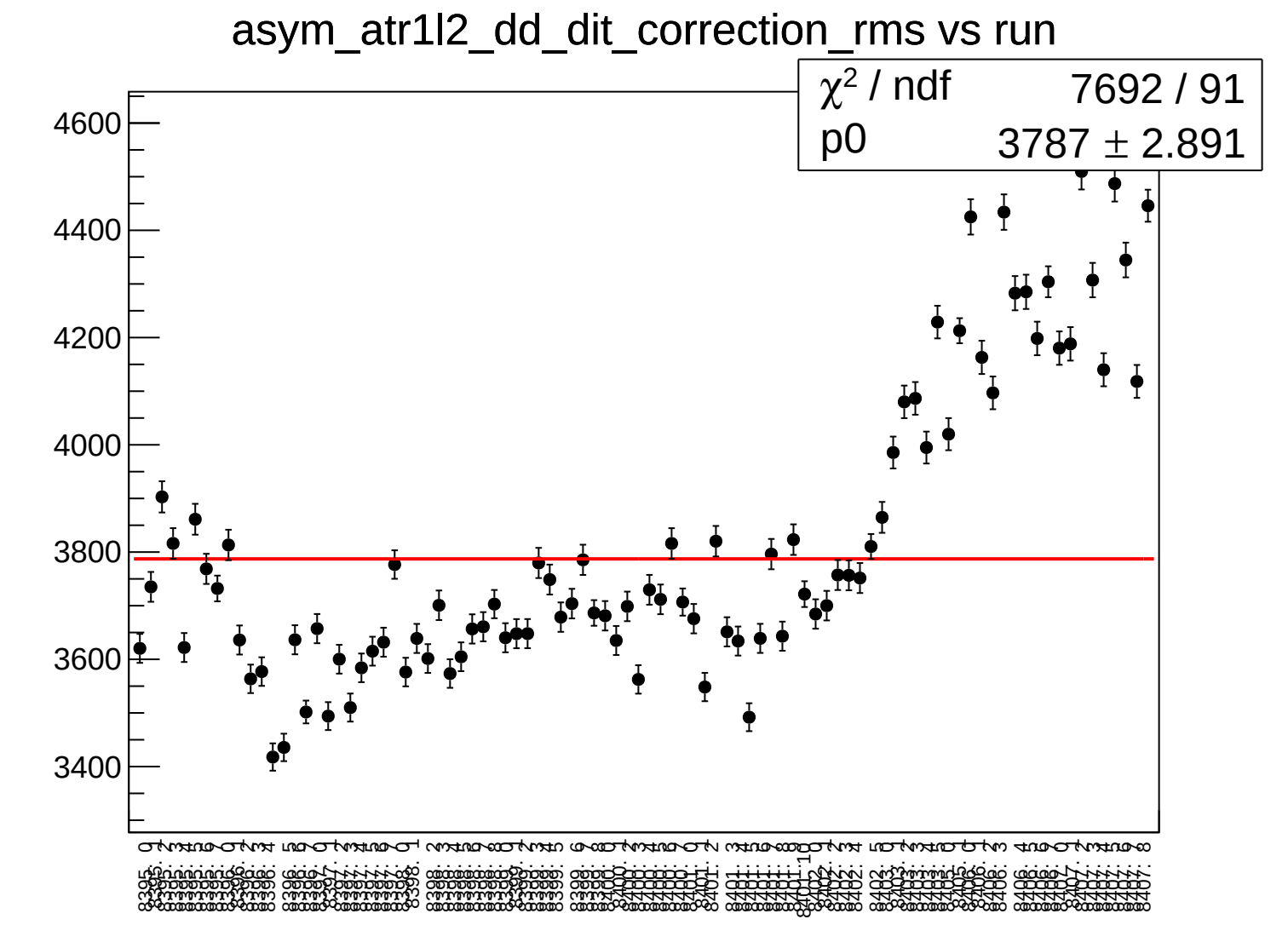

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 93.06 / 91
p0 1144 ± 1893
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −1008
Std Dev 0
3
2
1
0
−1
−2
−3

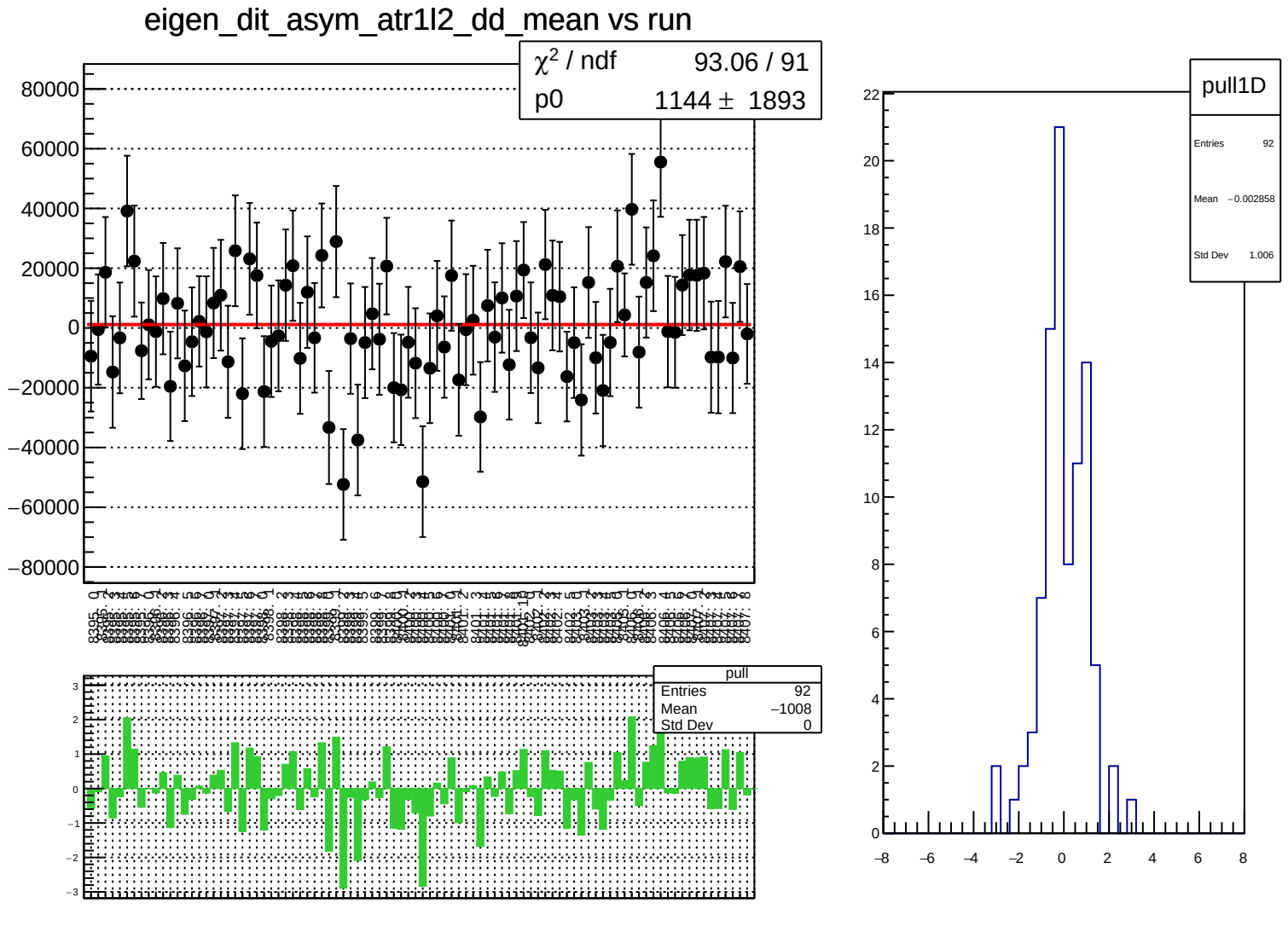

pull1D
Entries 92
Mean −0.002858
Std Dev 1.006
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

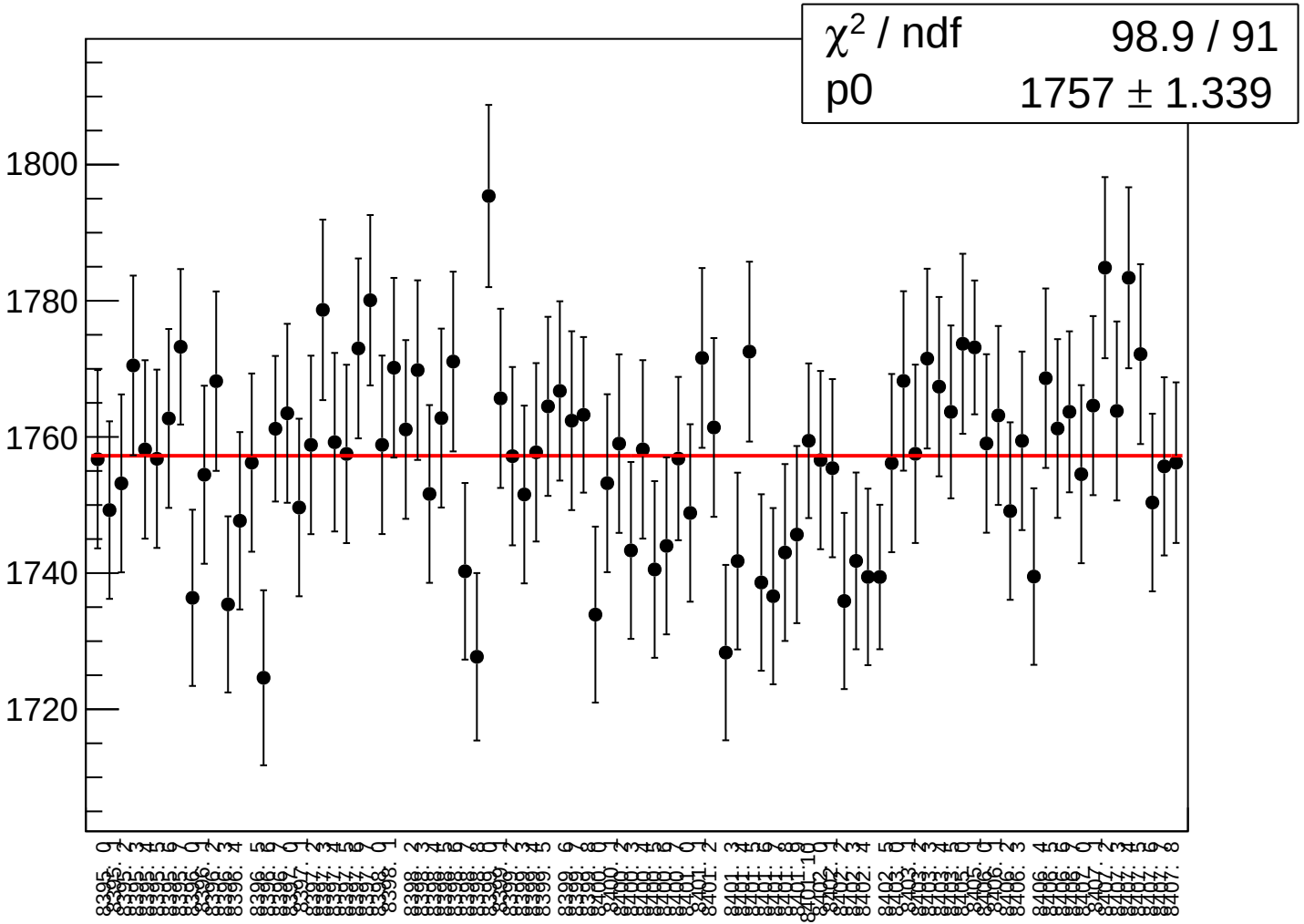

dit_asym_atr1l2_dd_rms vs run
$\chi^2$ / ndf 98.9 / 91
p0 1757 ± 1.339
1800
1780
1760
1740
1720

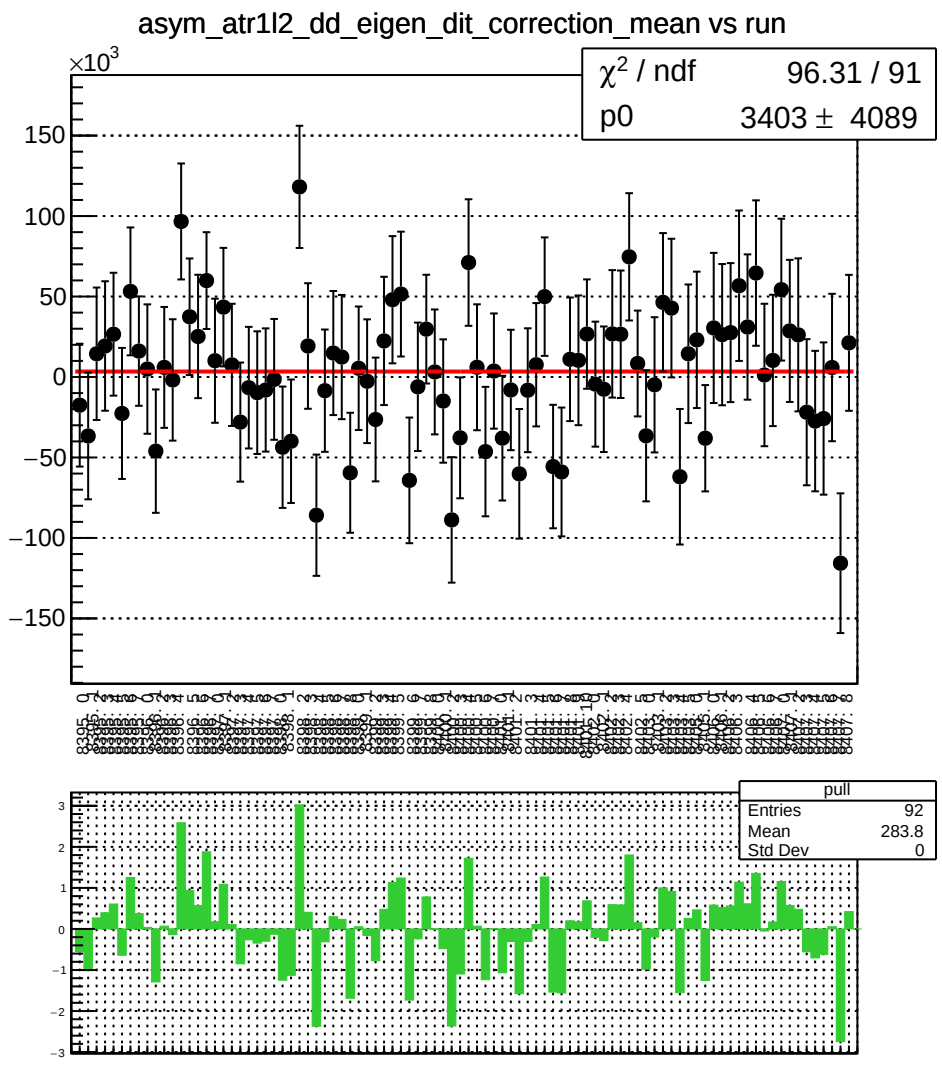

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 96.31 / 91
p0 3403 ± 4089
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 283.8
Std Dev 0
3
2
1
0
−1
−2
−3

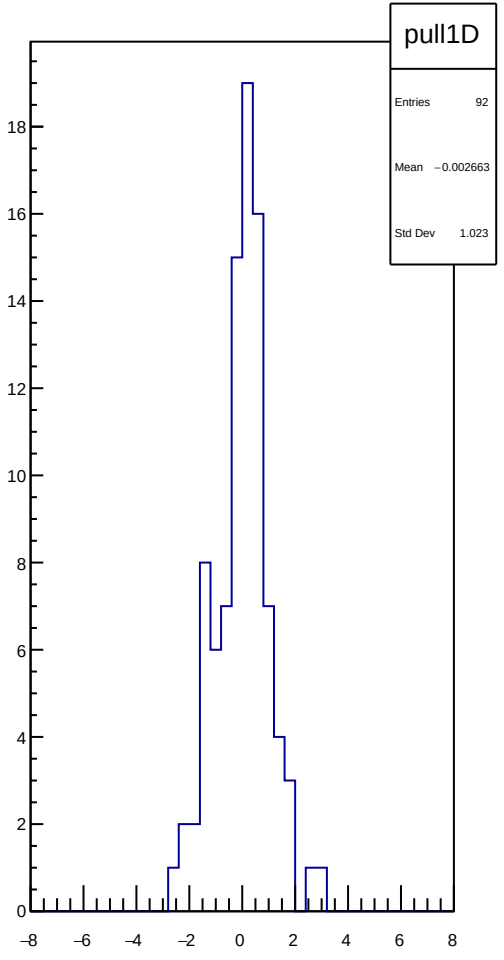

pull1D
Entries 92
Mean −0.002663
Std Dev 1.023
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

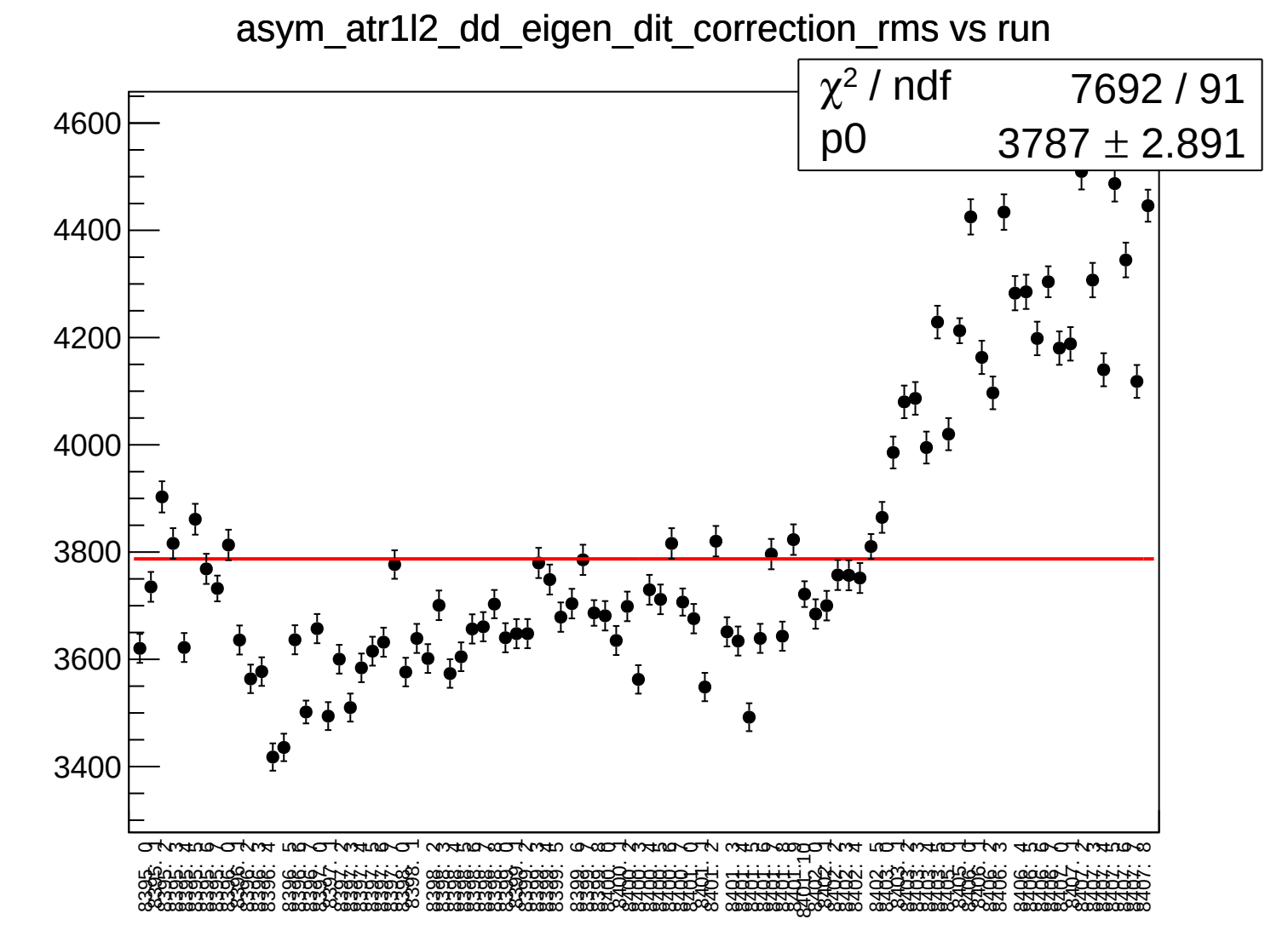

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 7692 / 91
p0 3787 ± 2.891
4600
4400
4200
4000
3800
3600
3400

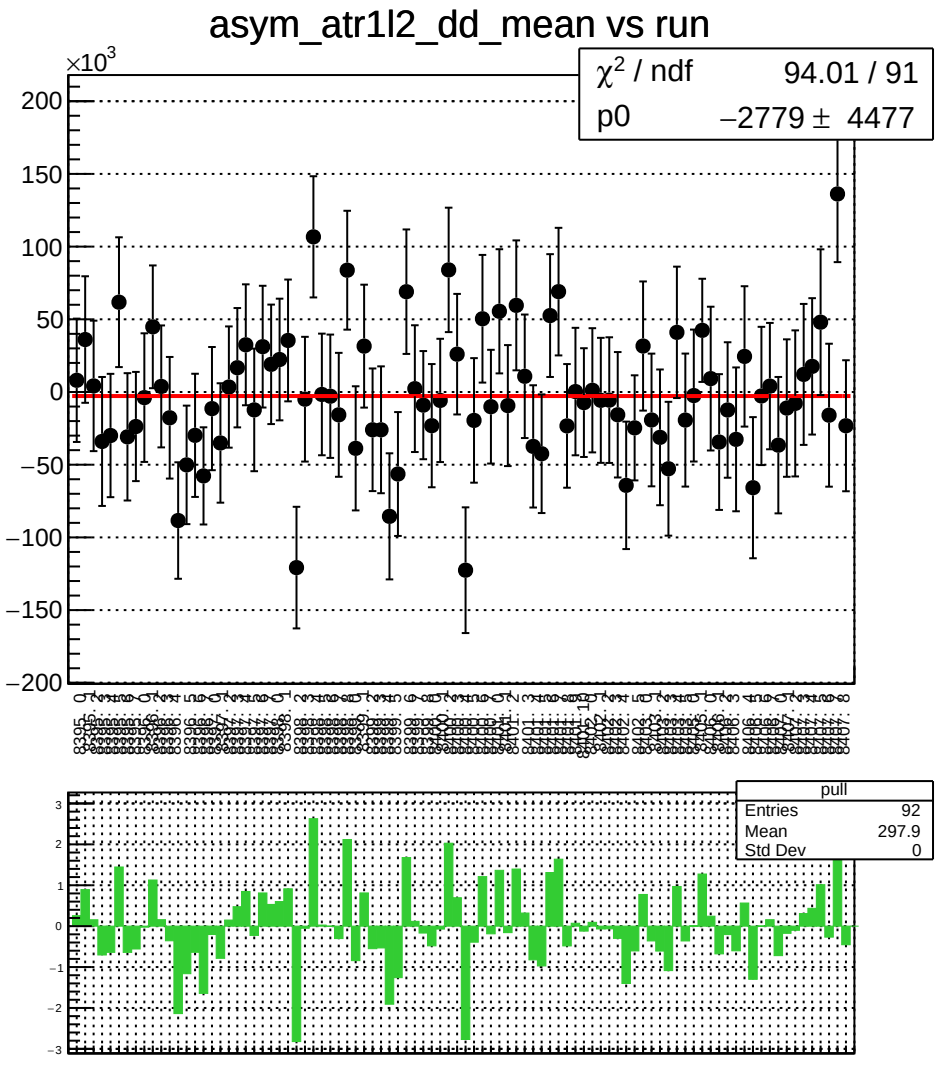

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 93.06 / 91
p0 1144 ± 1893
pull
Entries 92
Mean −1008
Std Dev 0
pull1D
Entries 92
Mean −0.002858
Std Dev 1.006

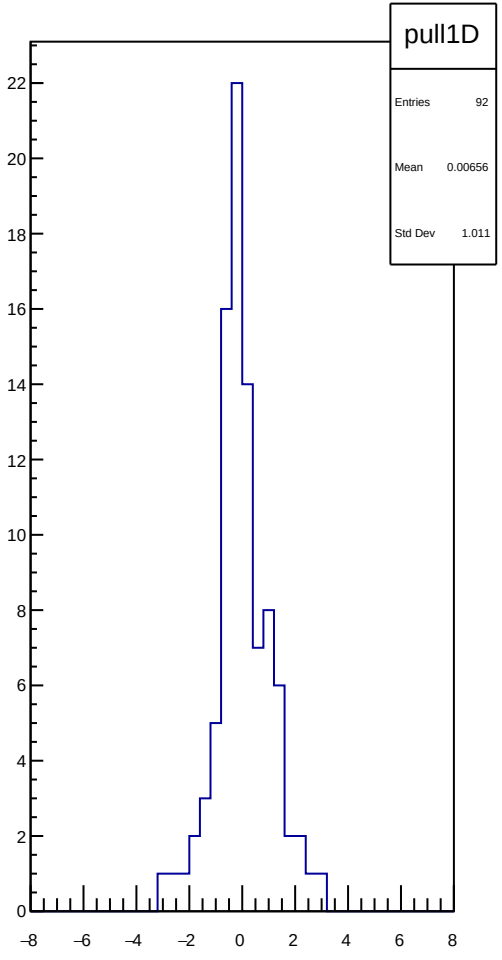

eigen_dit_asym_atr1l2_dd_rms vs run
$\chi^2$ / ndf 98.9 / 91
p0 1757 ± 1.339
1800
1780
1760
1740
1720

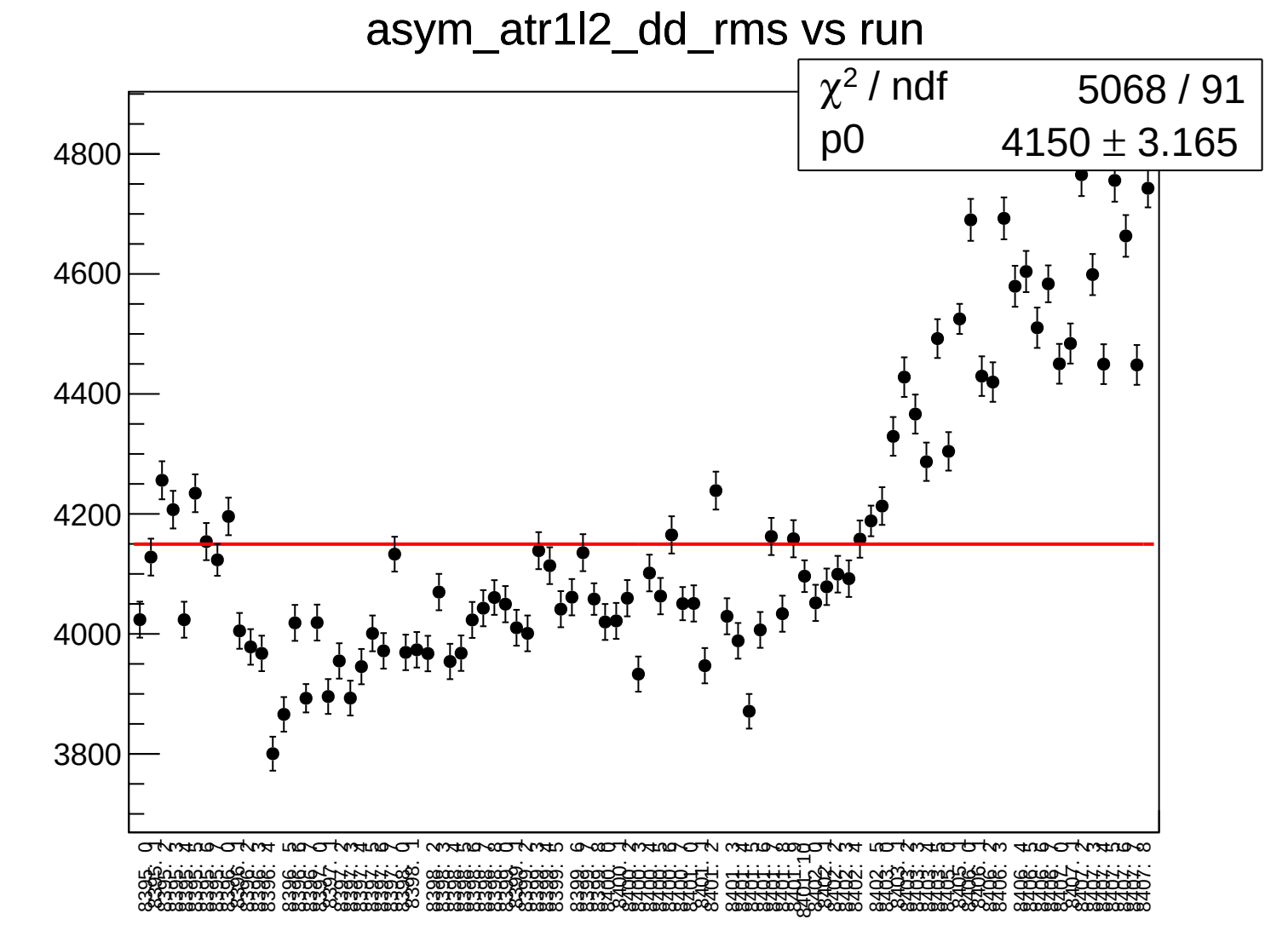

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.31 / 91
p0 3403 ± 4089
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 283.8
Std Dev 0
3
2
1
0
−1
−2
−3

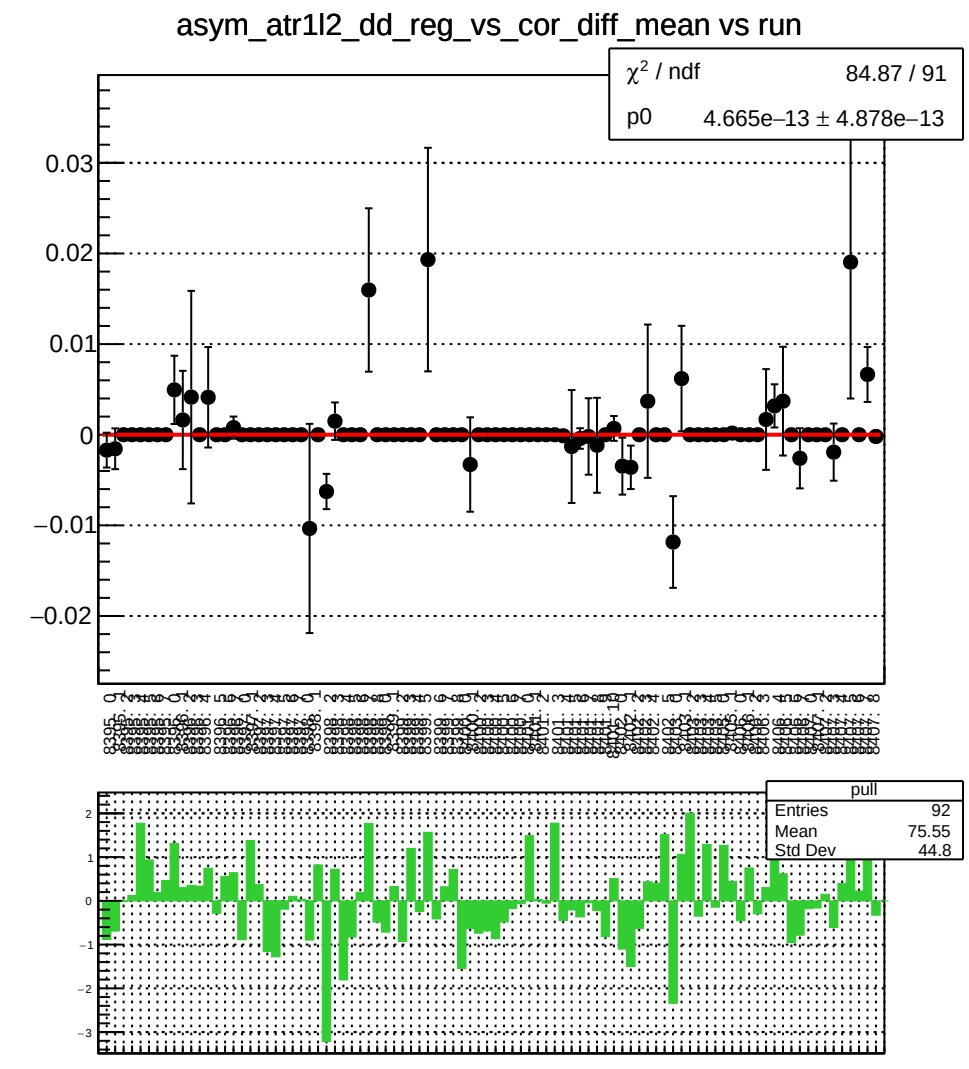

pull1D
Entries 92
Mean −0.002663
Std Dev 1.023
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

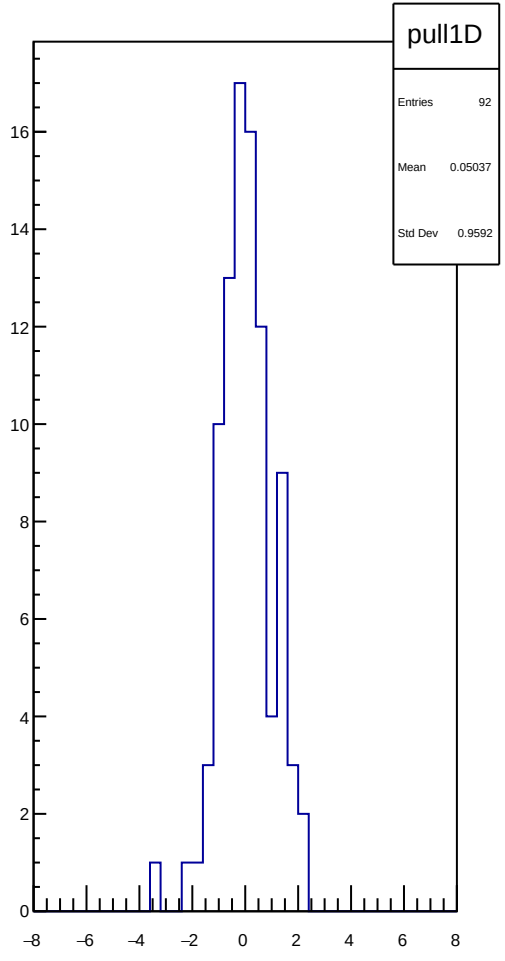

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7692 / 91
p0 3787 ± 2.891
4600
4400
4200
4000
3800
3600
3400

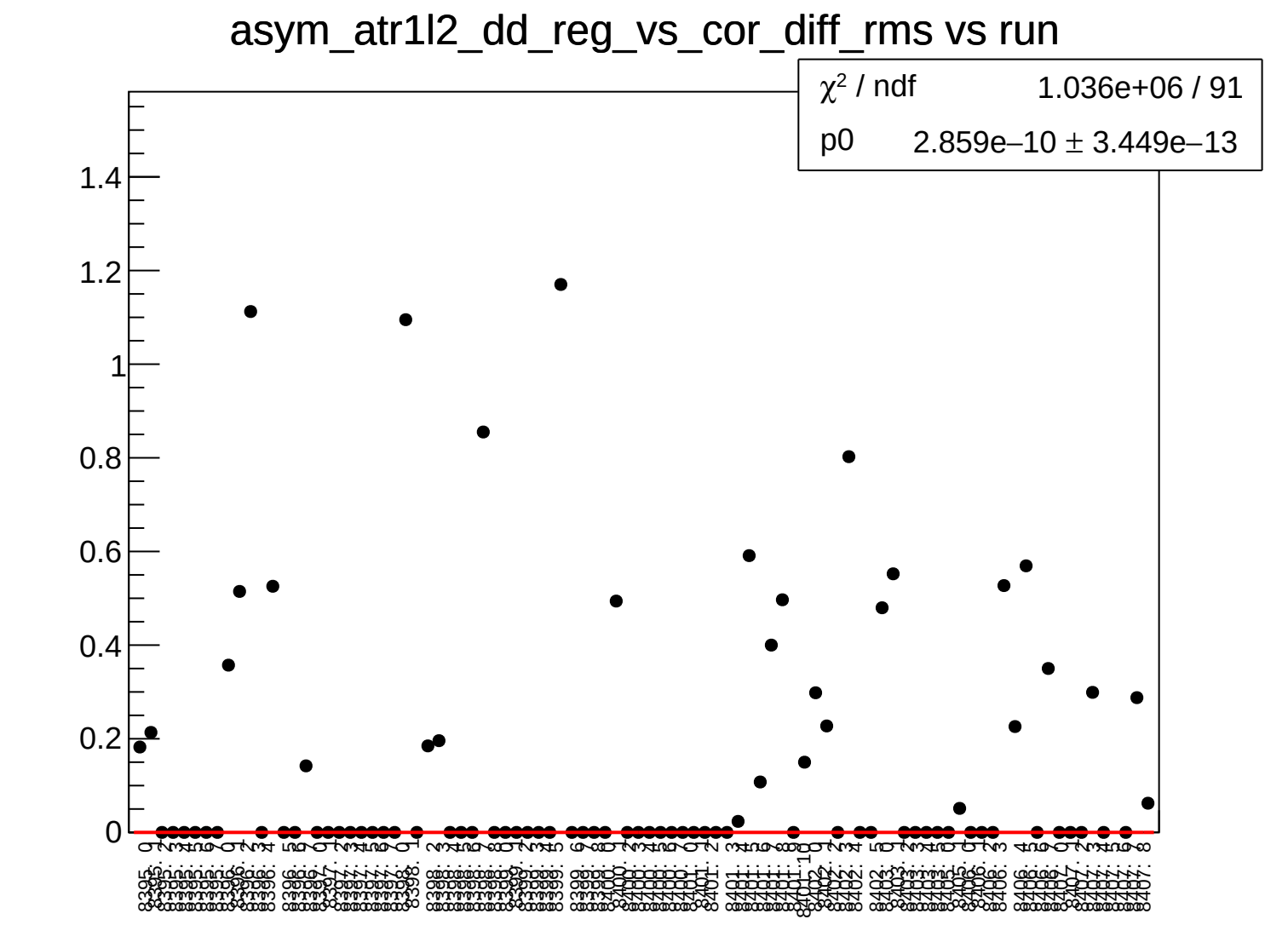

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 94.01 / 91
p0 −2779 ± 4477
pull
Entries 92
Mean 297.9
Std Dev 0

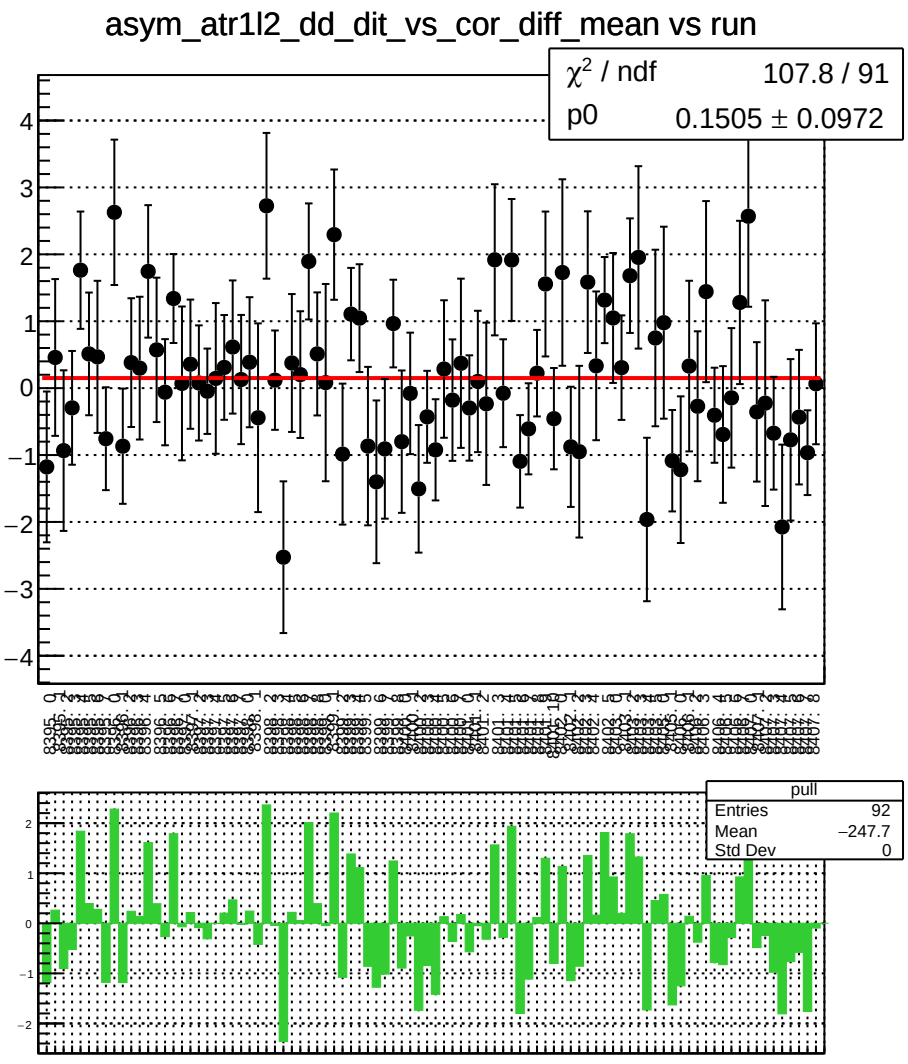

pull1D
Entries 92
Mean 0.00656
Std Dev 1.011

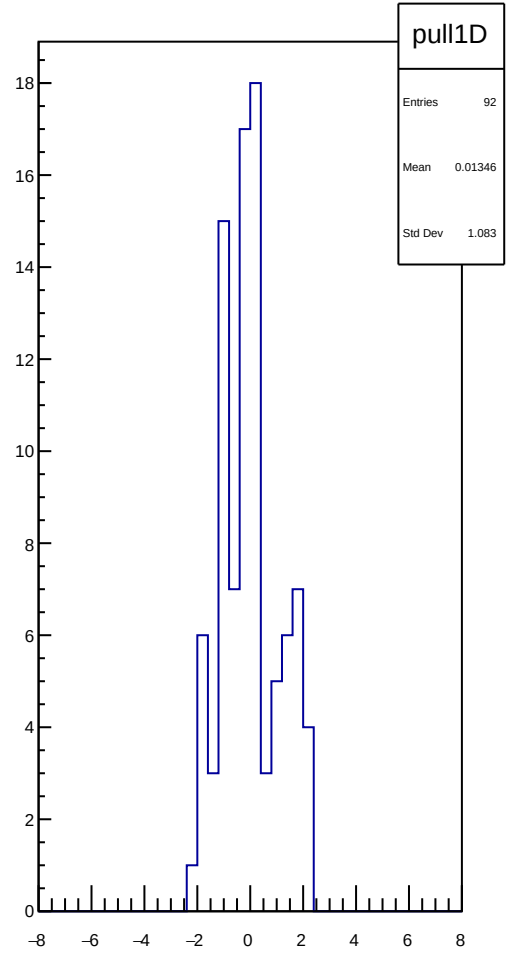

asym_atr1l2_dd_rms vs run
$\chi^2$ / ndf 5068 / 91
p0 4150 ± 3.165
4800
4600
4400
4200
4000
3800

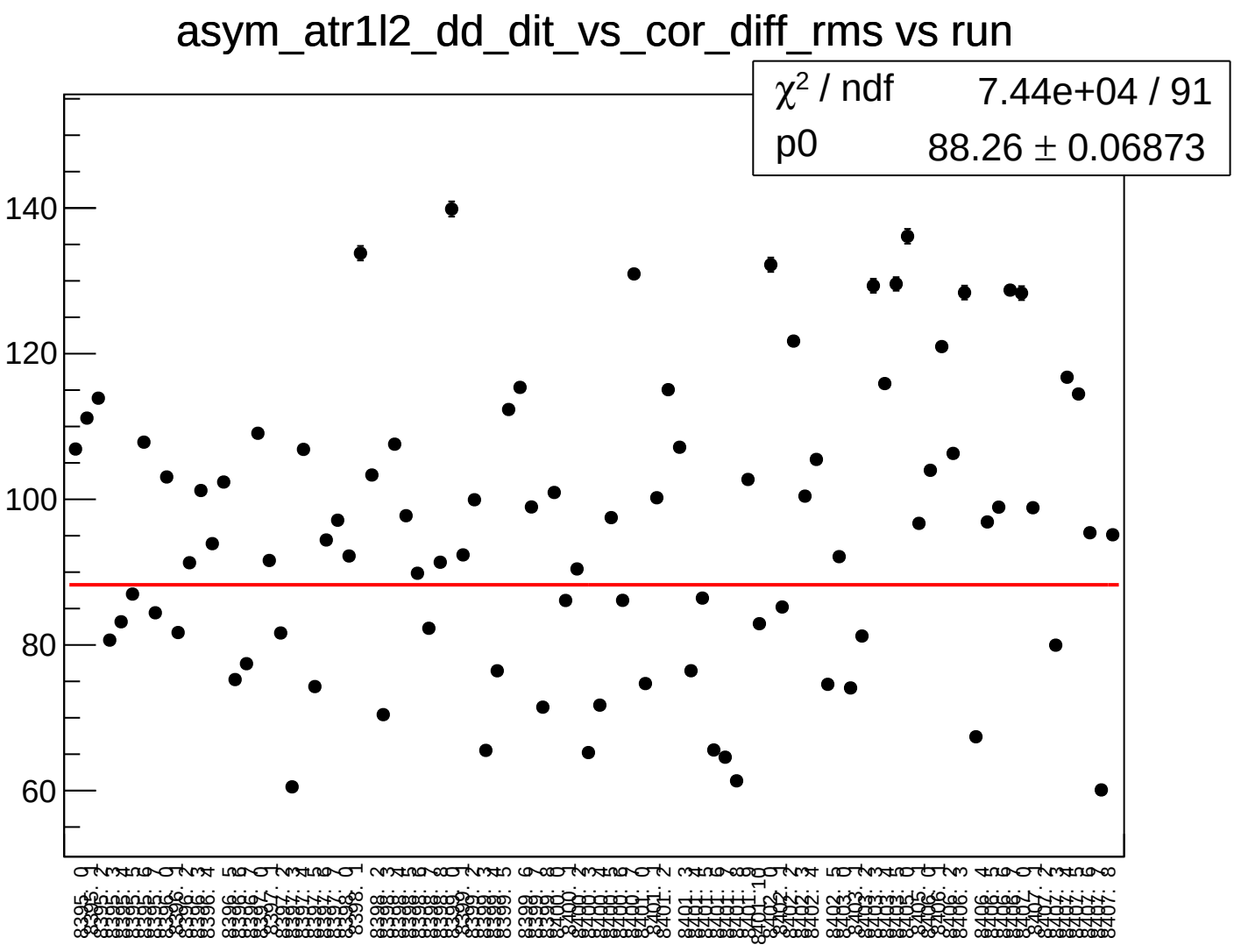

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.87 / 91
p0 4.665e−13 ± 4.878e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean 75.55
Std Dev 44.8
2
1
0
−1
−2
−3

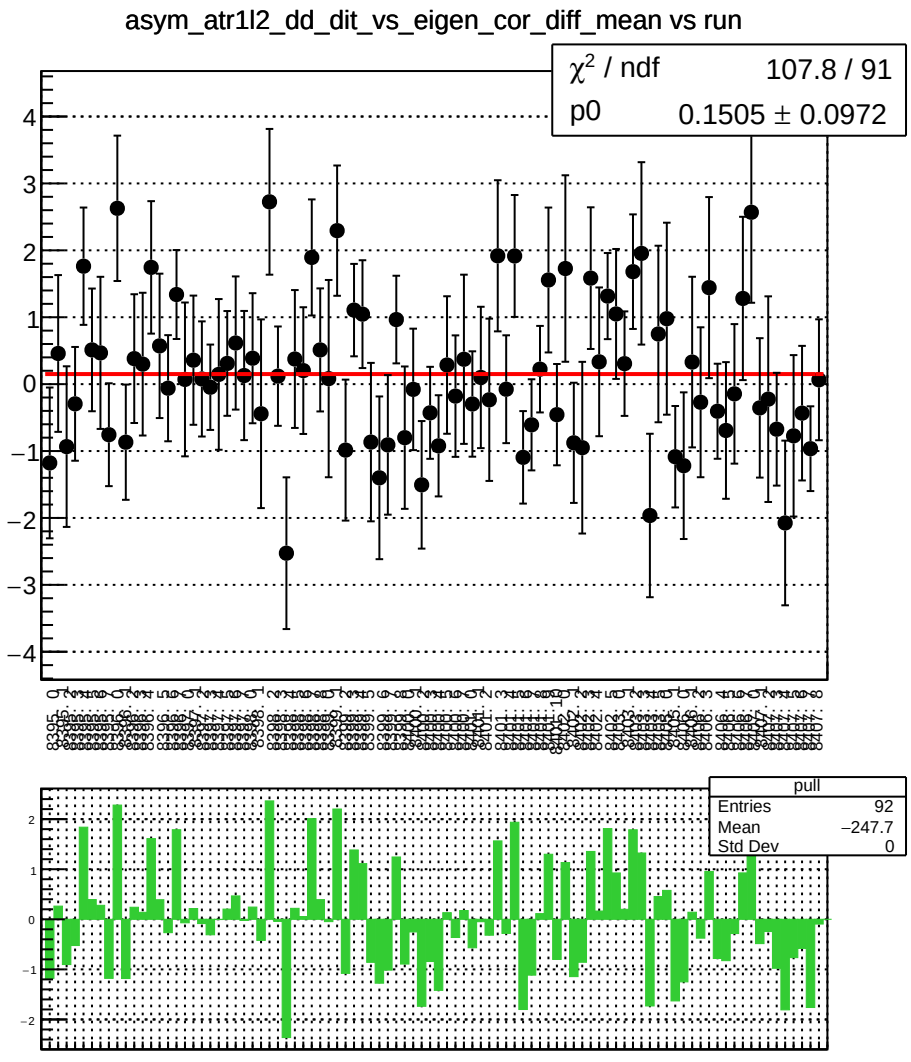

pull1D
Entries 92
Mean 0.05037
Std Dev 0.9592
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

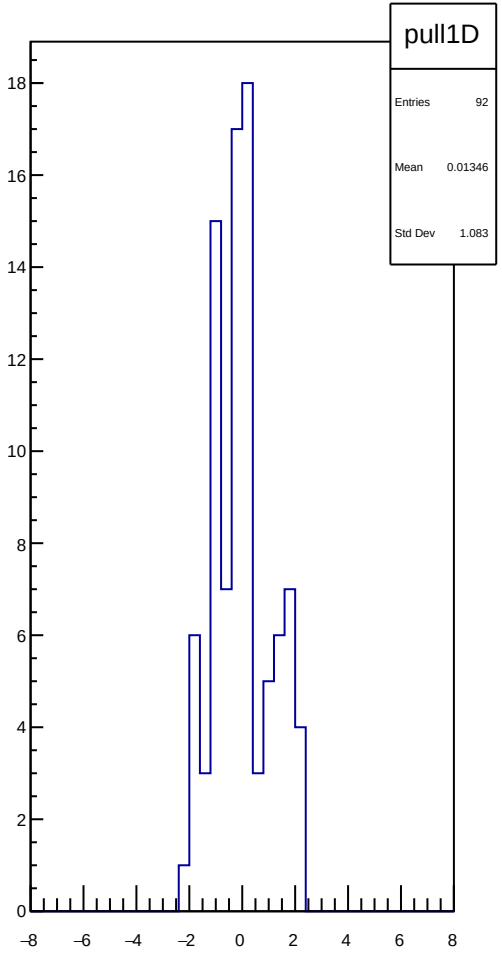

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.036e+06 / 91
p0 2.859e−10 ± 3.449e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

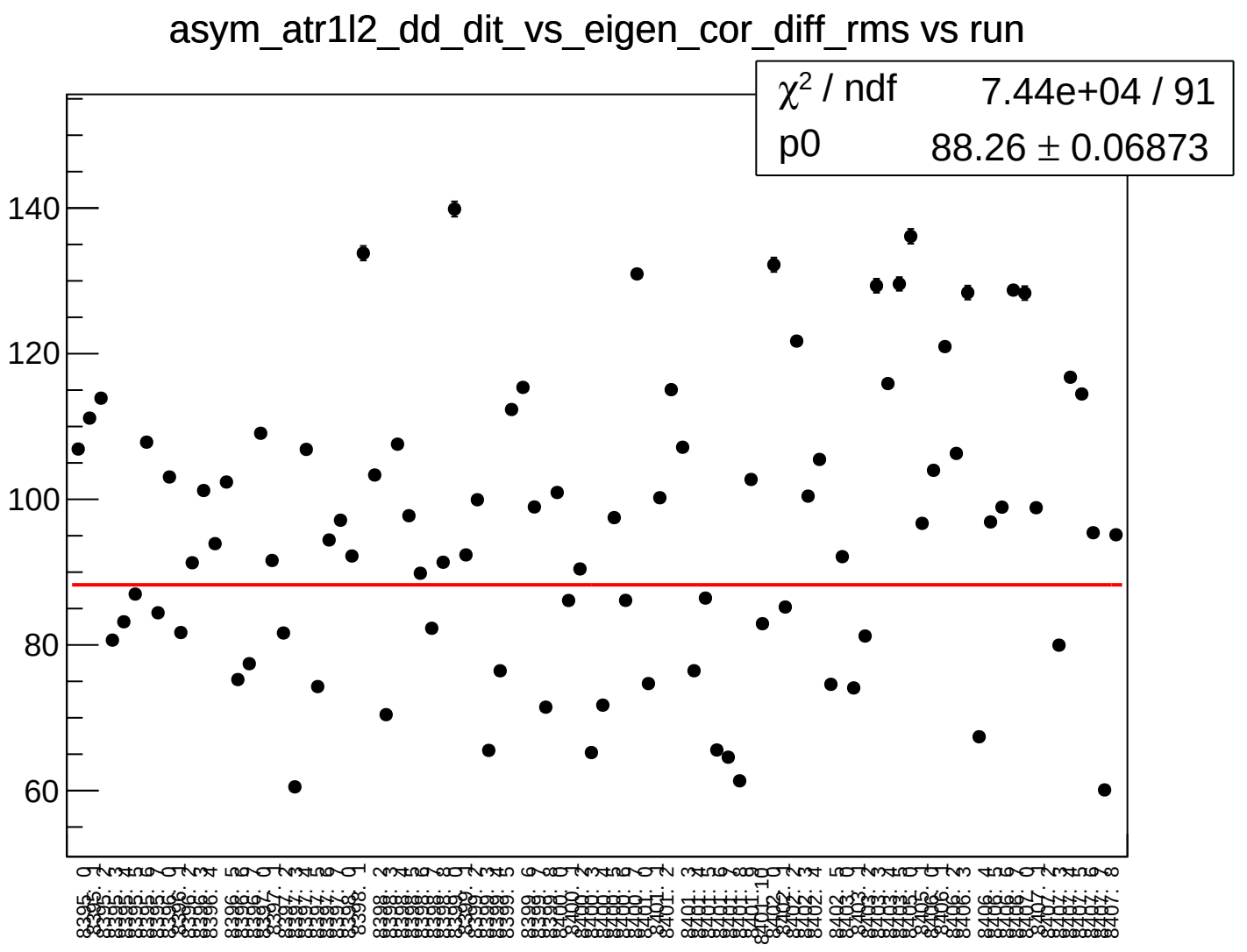

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 107.8 / 91
p0 0.1505 ± 0.0972
pull
Entries 92
Mean −247.7
Std Dev 0

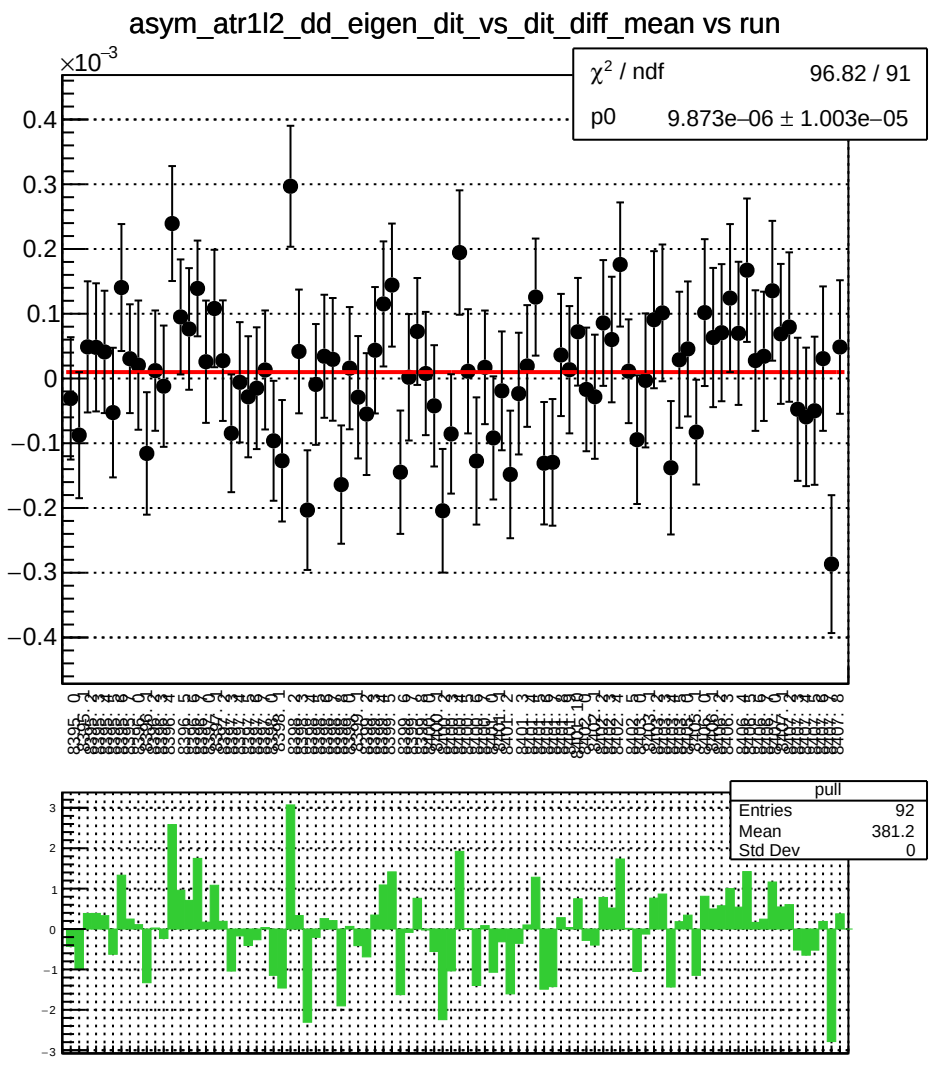

pull1D
Entries 92
Mean 0.01346
Std Dev 1.083

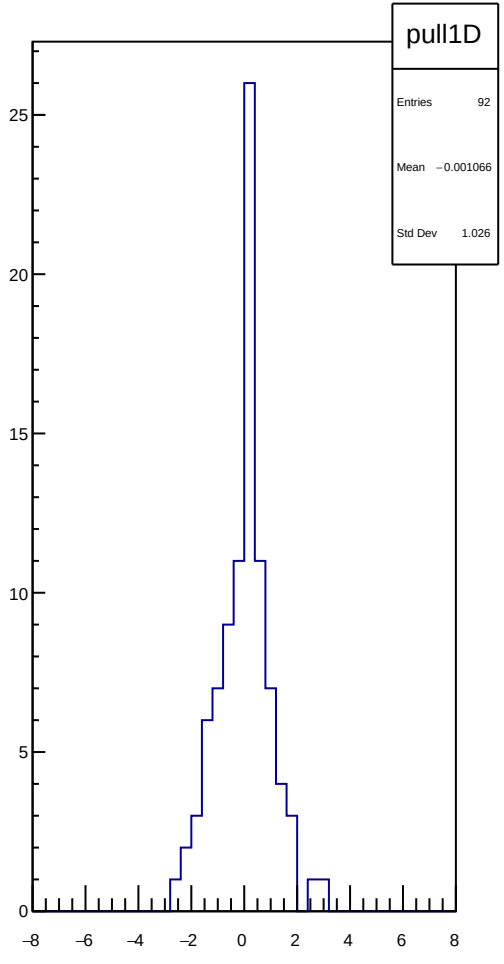

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.44e+04 / 91
p0 88.26 ± 0.06873
140
120
100
80
60

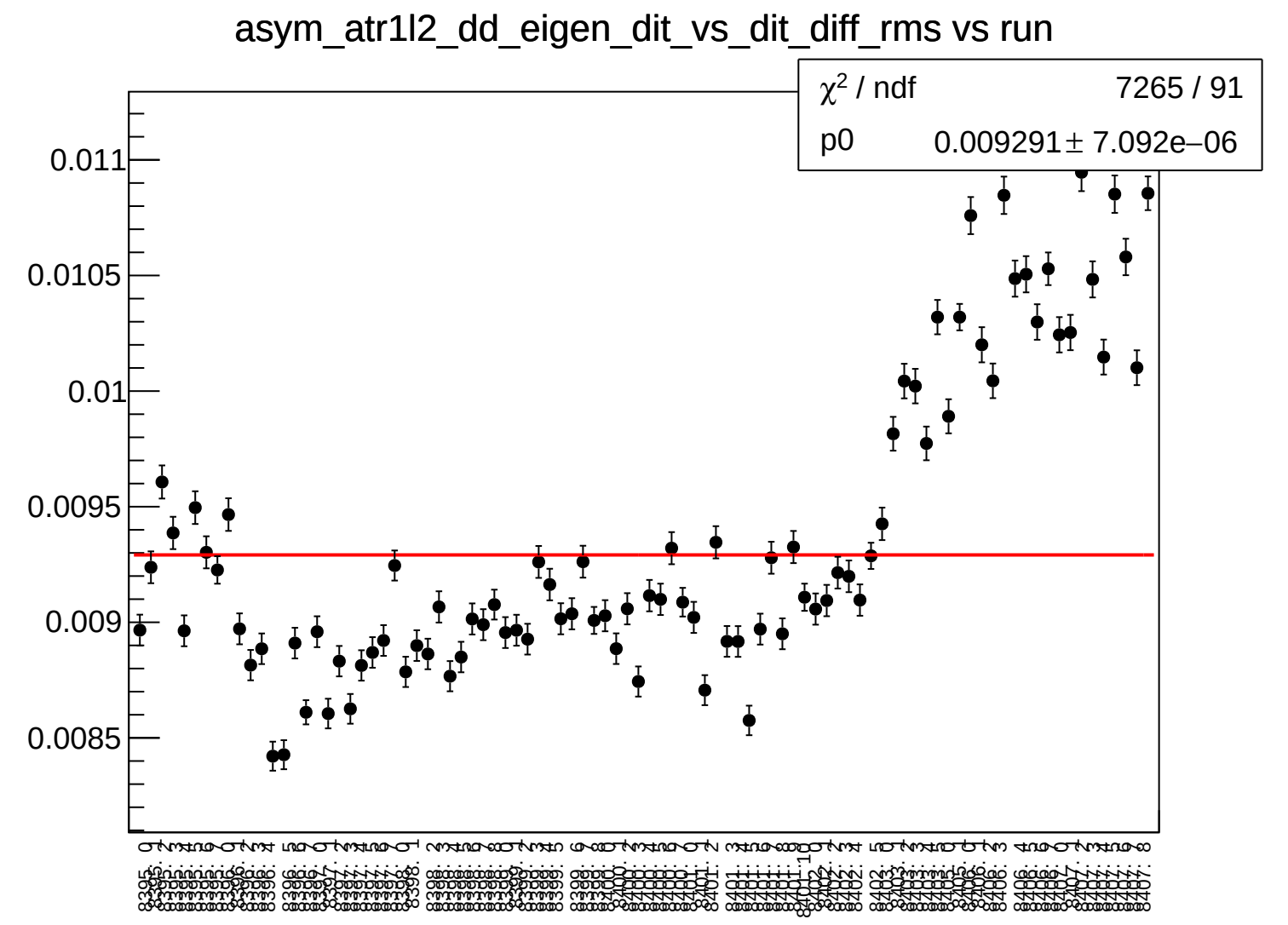

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.8 / 91
p0 0.1505 ± 0.0972
pull
Entries 92
Mean −247.7
Std Dev 0

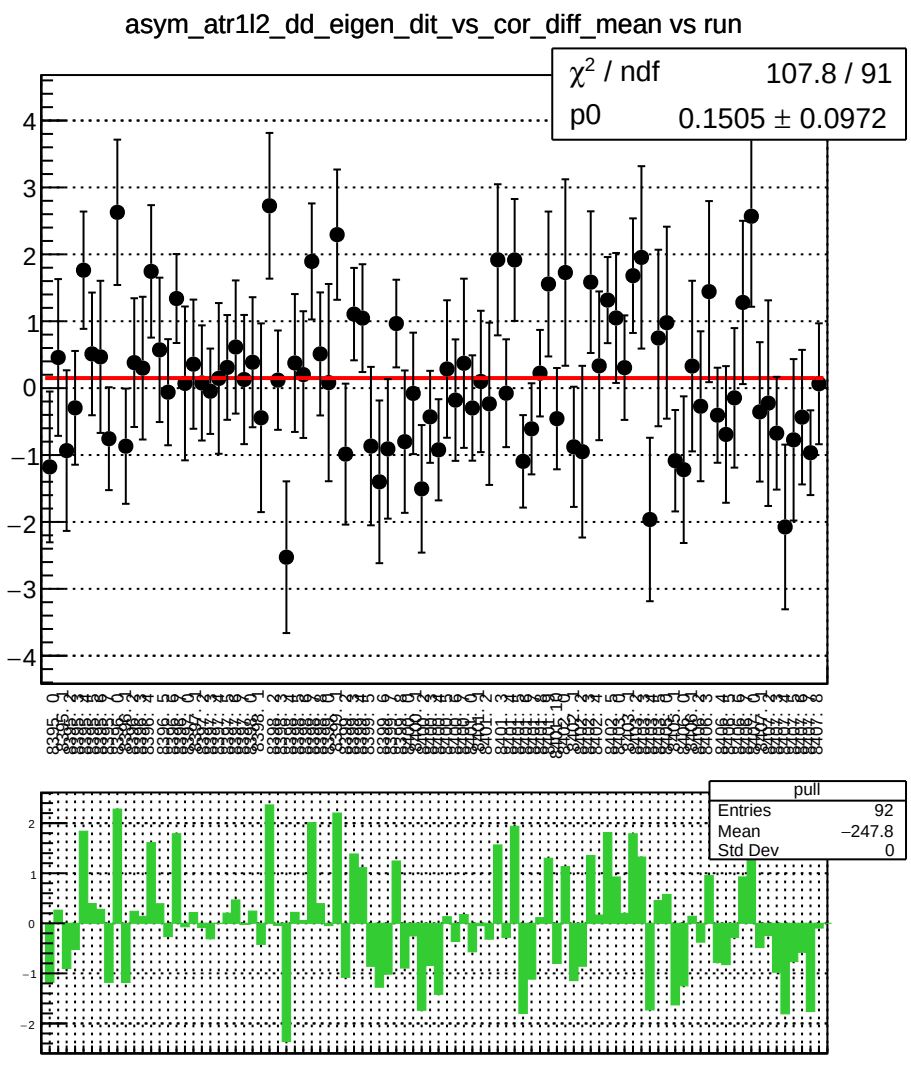

pull1D
Entries 92
Mean 0.01346
Std Dev 1.083

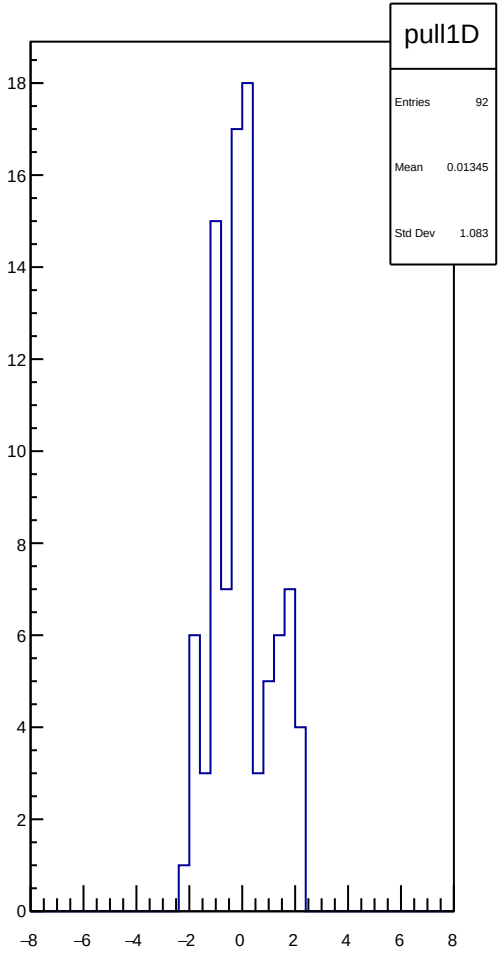

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.44e+04 / 91
p0 88.26 ± 0.06873
140
120
100
80
60

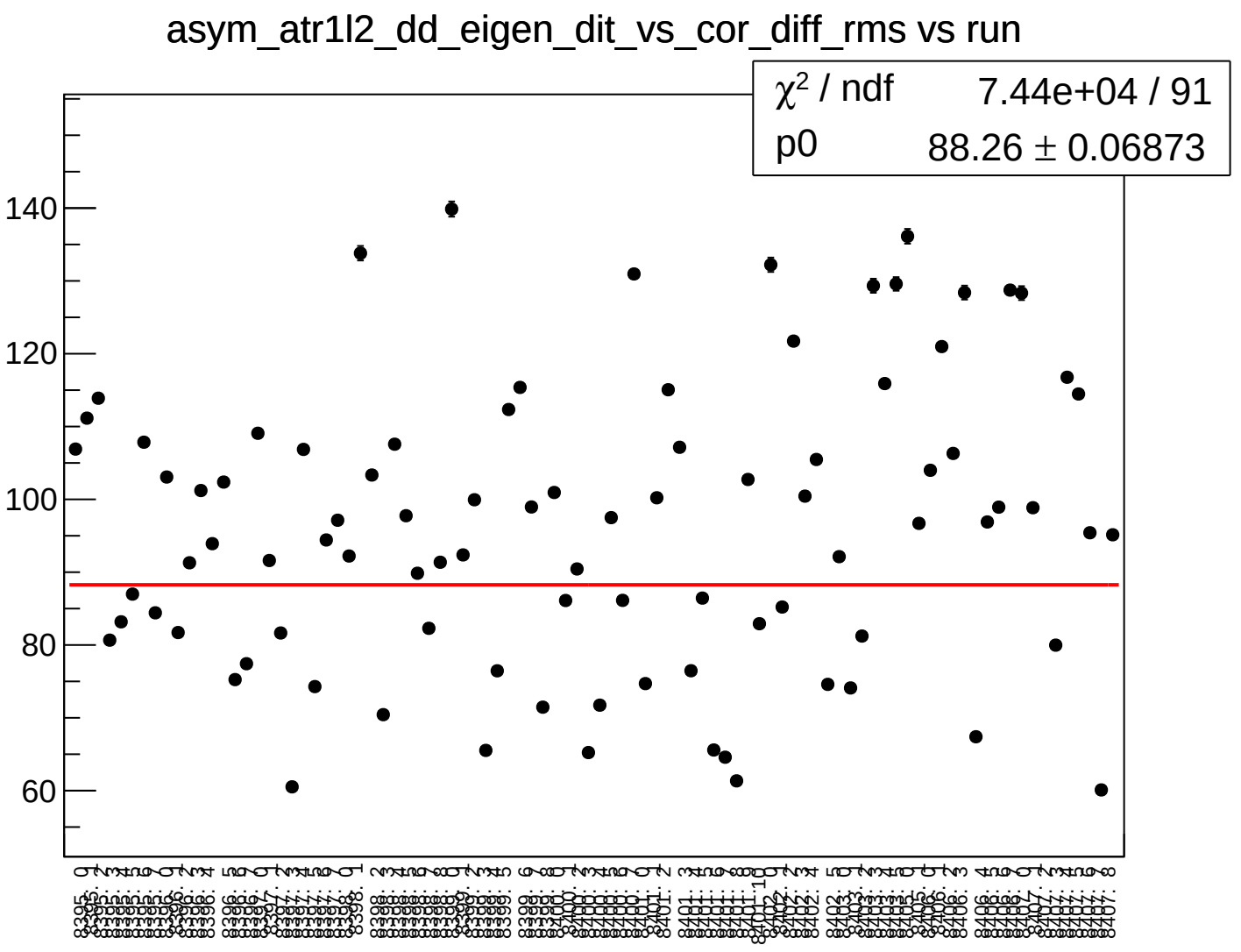

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 96.82 / 91
p0 9.873e−06 ± 1.003e−05
pull
Entries 92
Mean 381.2
Std Dev 0

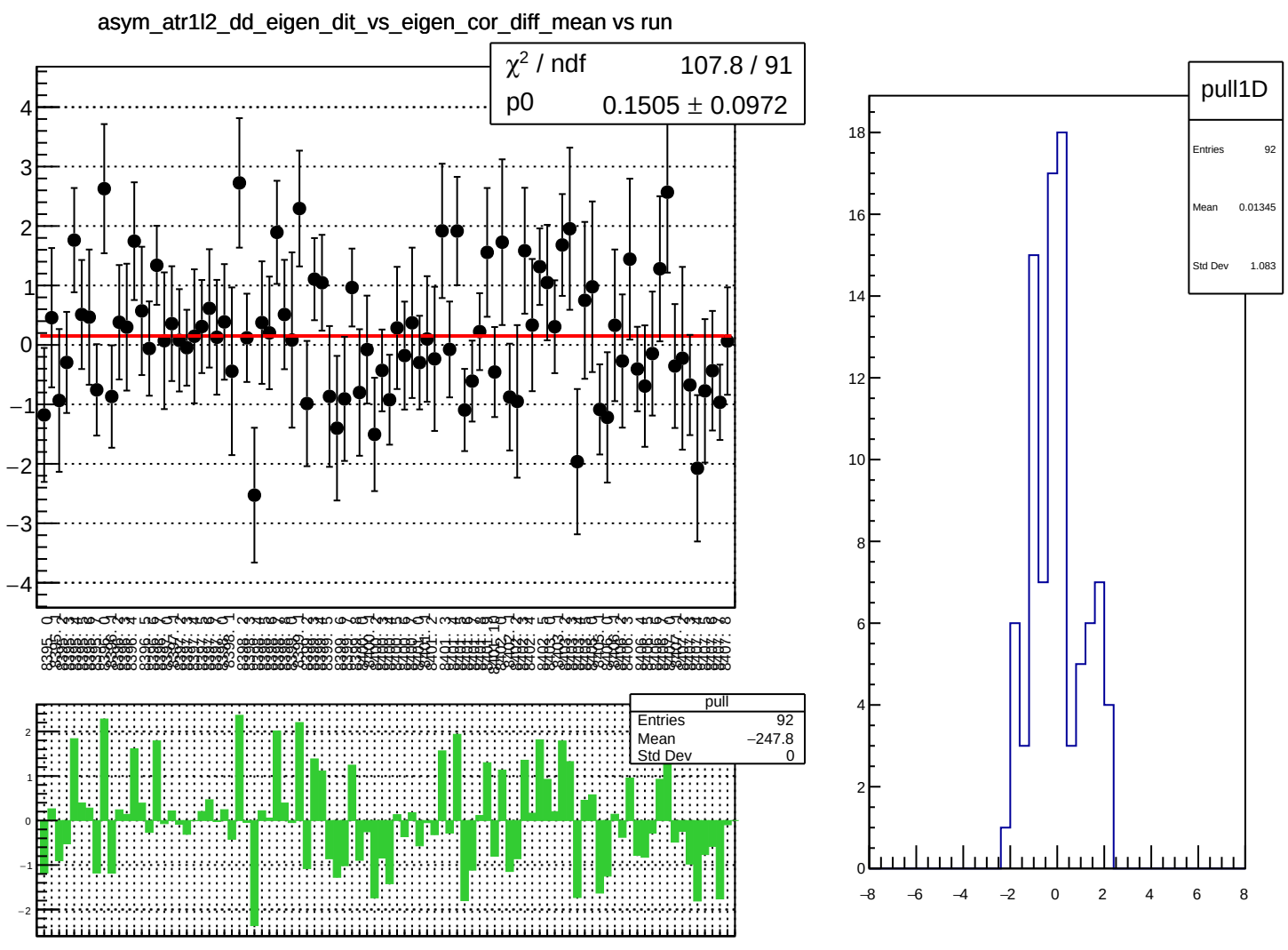

pull1D
Entries 92
Mean −0.001066
Std Dev 1.026

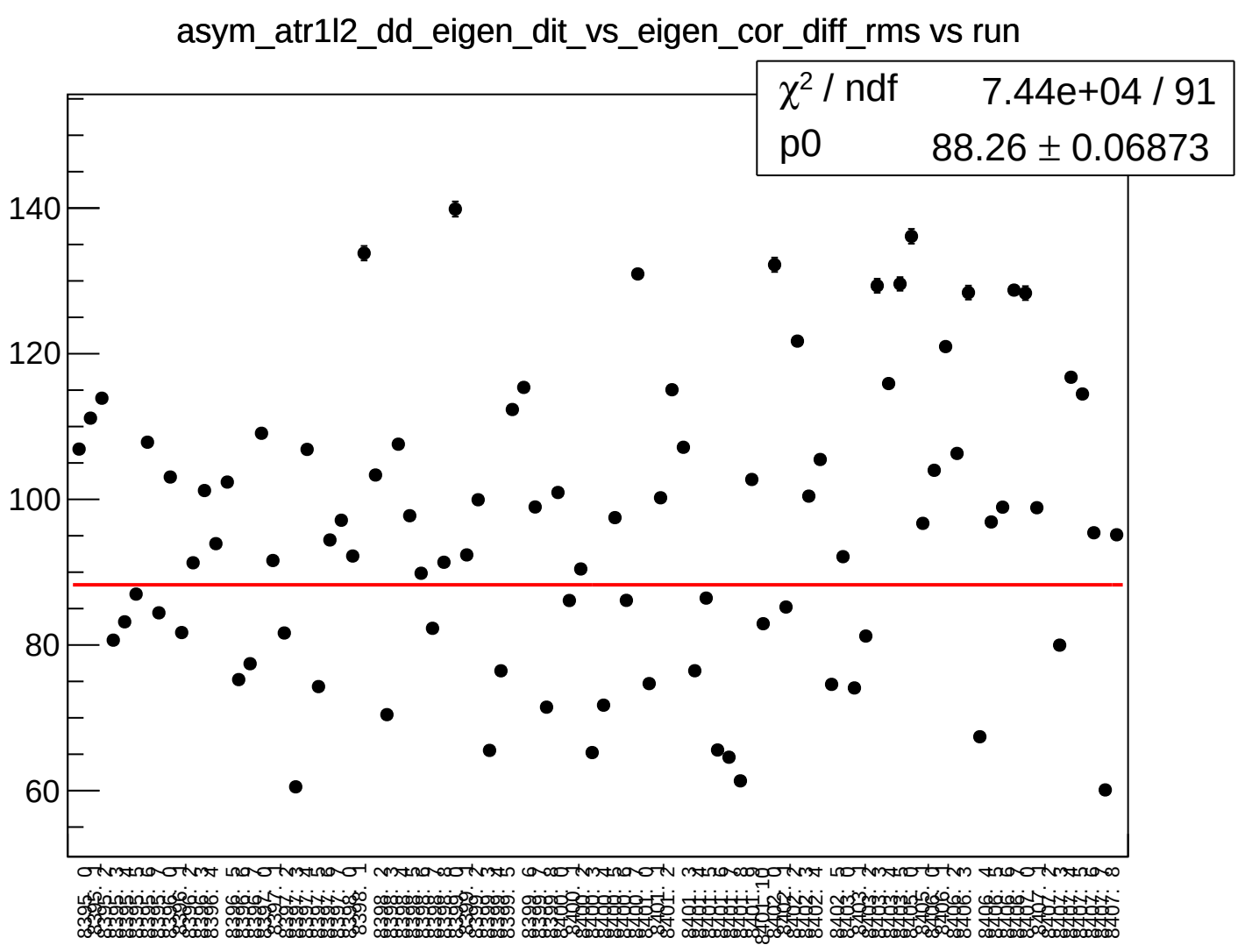

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7265 / 91
p0 0.009291 ± 7.092e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085

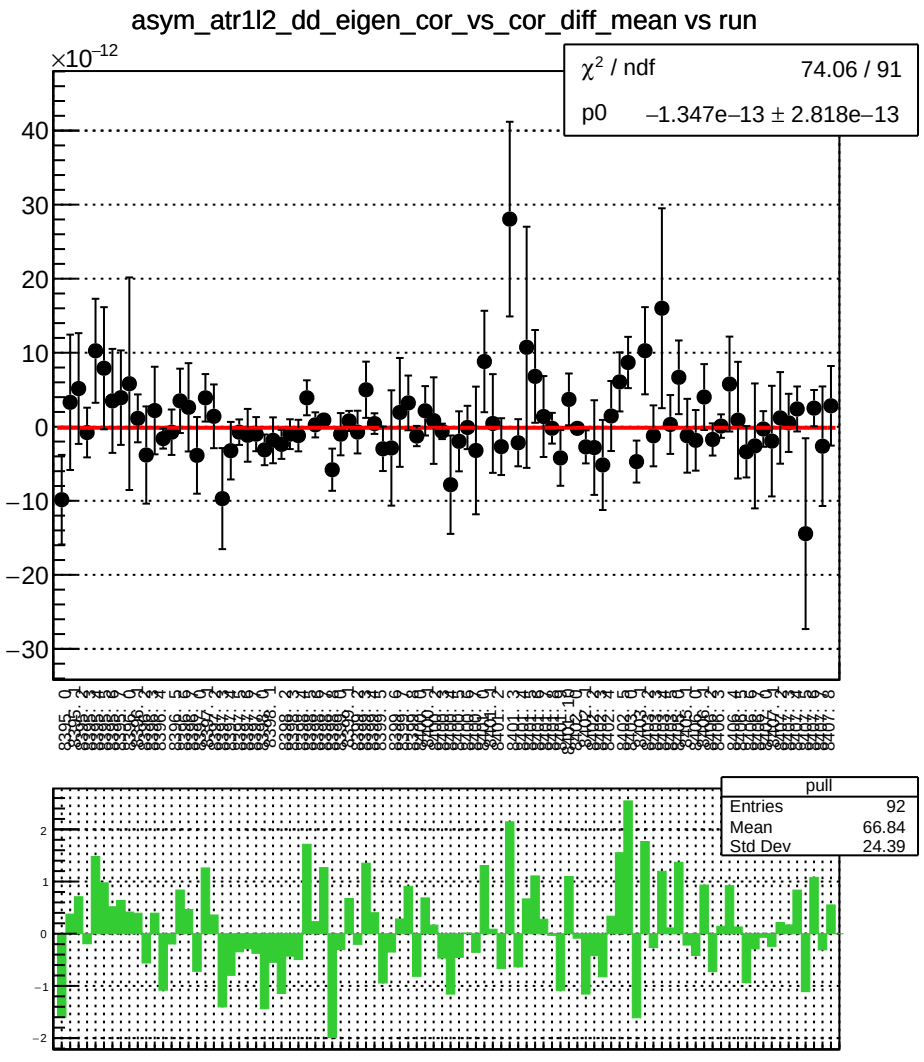

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 107.8 / 91
p0 0.1505 ± 0.0972
pull
Entries 92
Mean −247.8
Std Dev 0

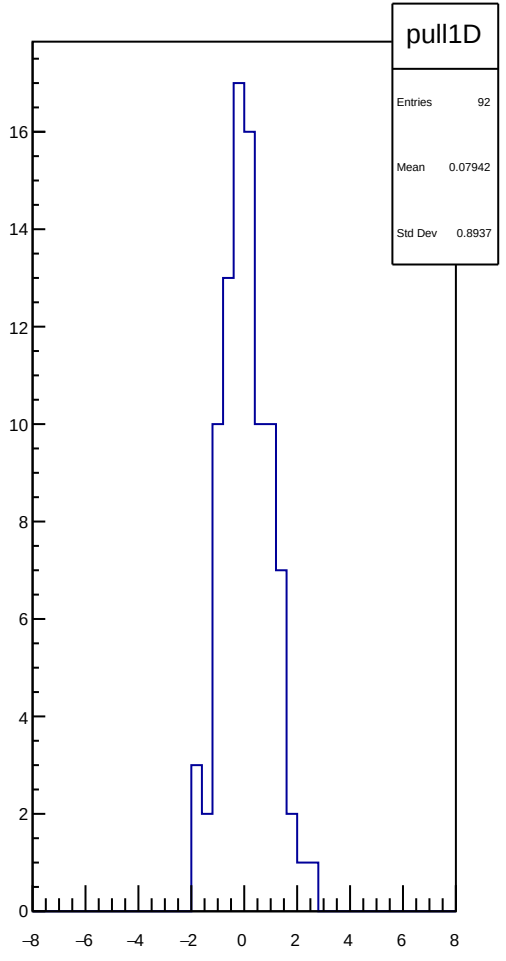

pull1D
Entries 92
Mean 0.01345
Std Dev 1.083

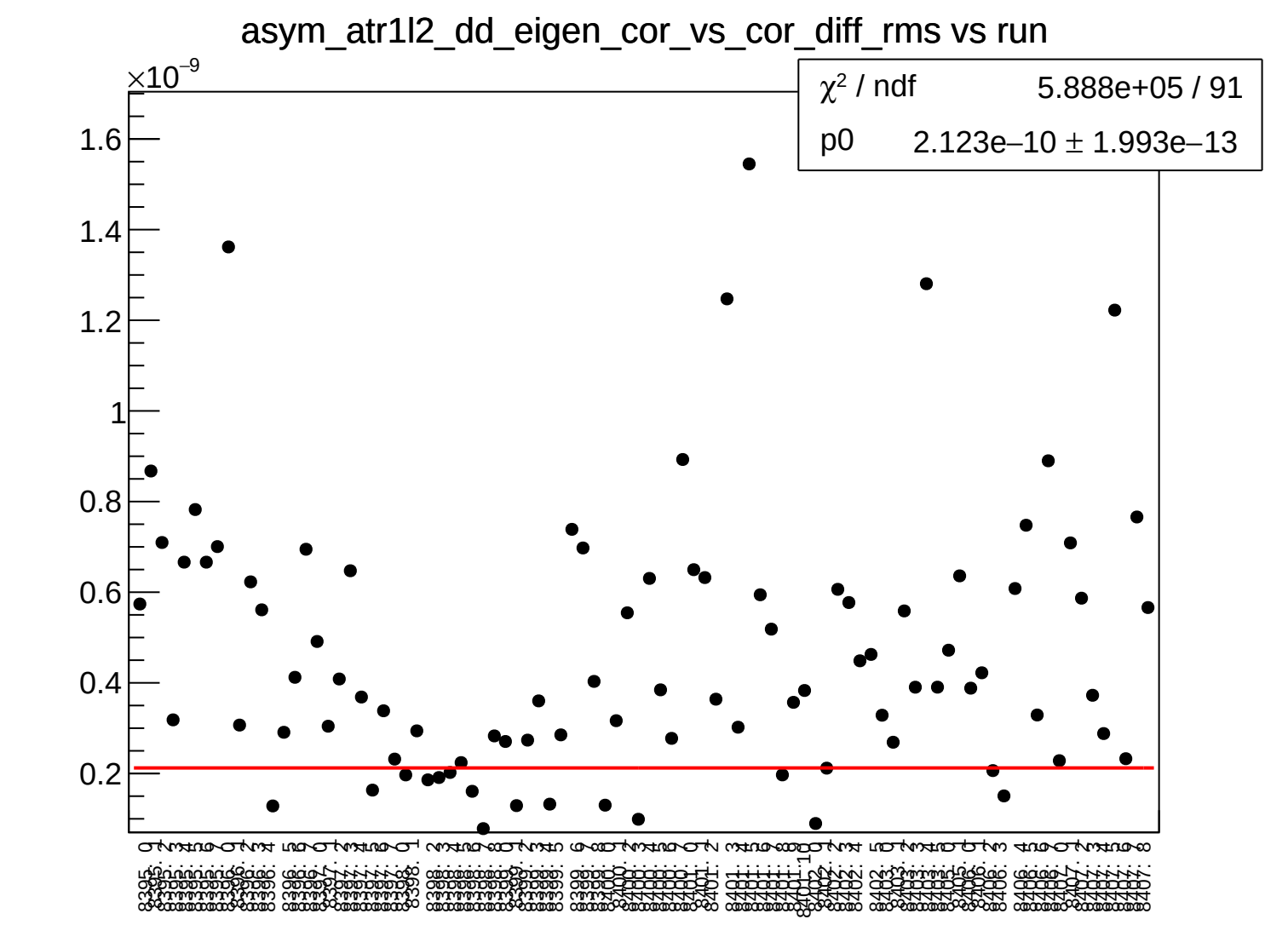

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.44e+04 / 91
p0 88.26 ± 0.06873
140
120
100
80
60

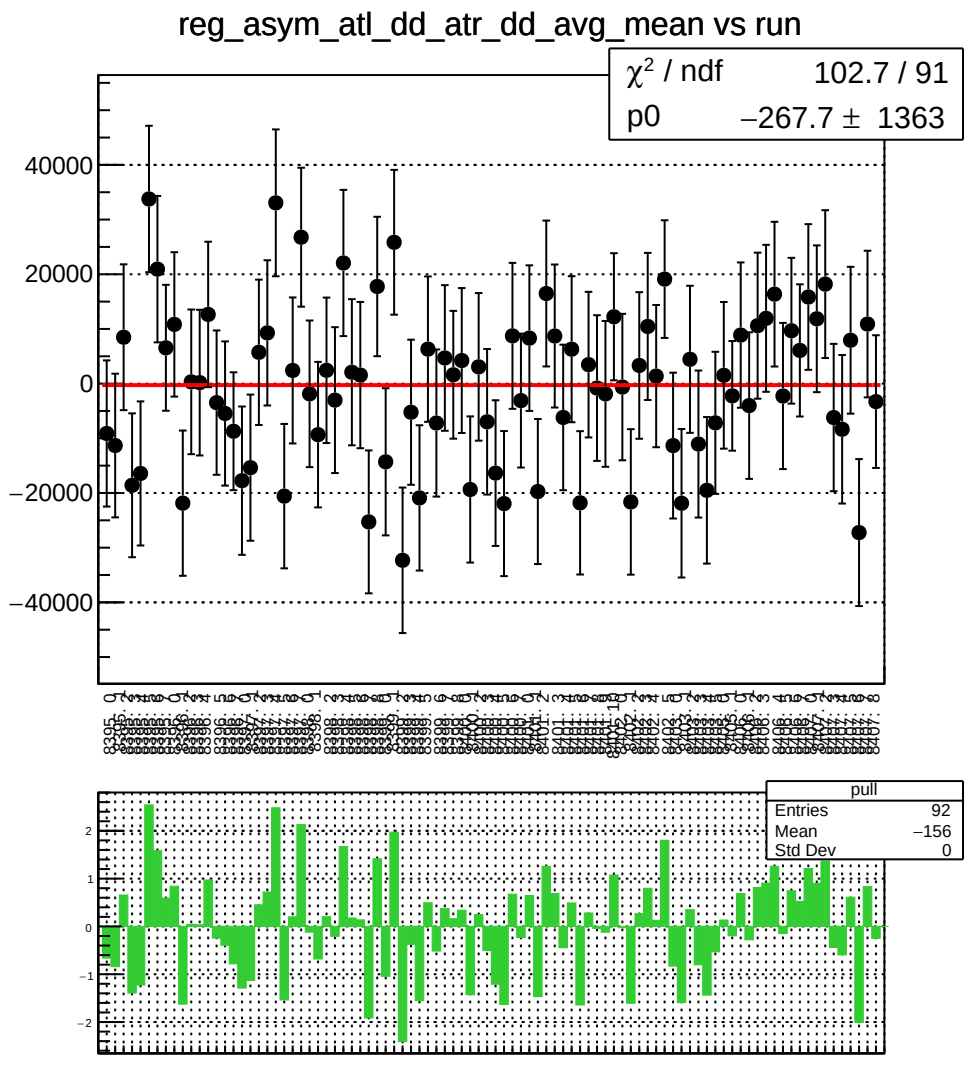

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.8 / 91
p0 0.1505 ± 0.0972
pull
Entries 92
Mean −247.8
Std Dev 0
pull1D
Entries 92
Mean 0.01345
Std Dev 1.083

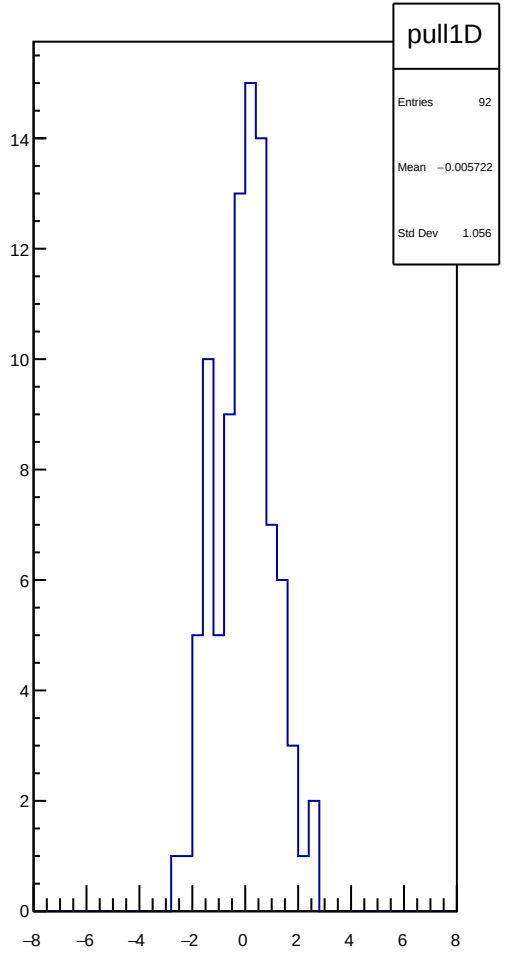

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.44e+04 / 91
p0 88.26 ± 0.06873
140
120
100
80
60

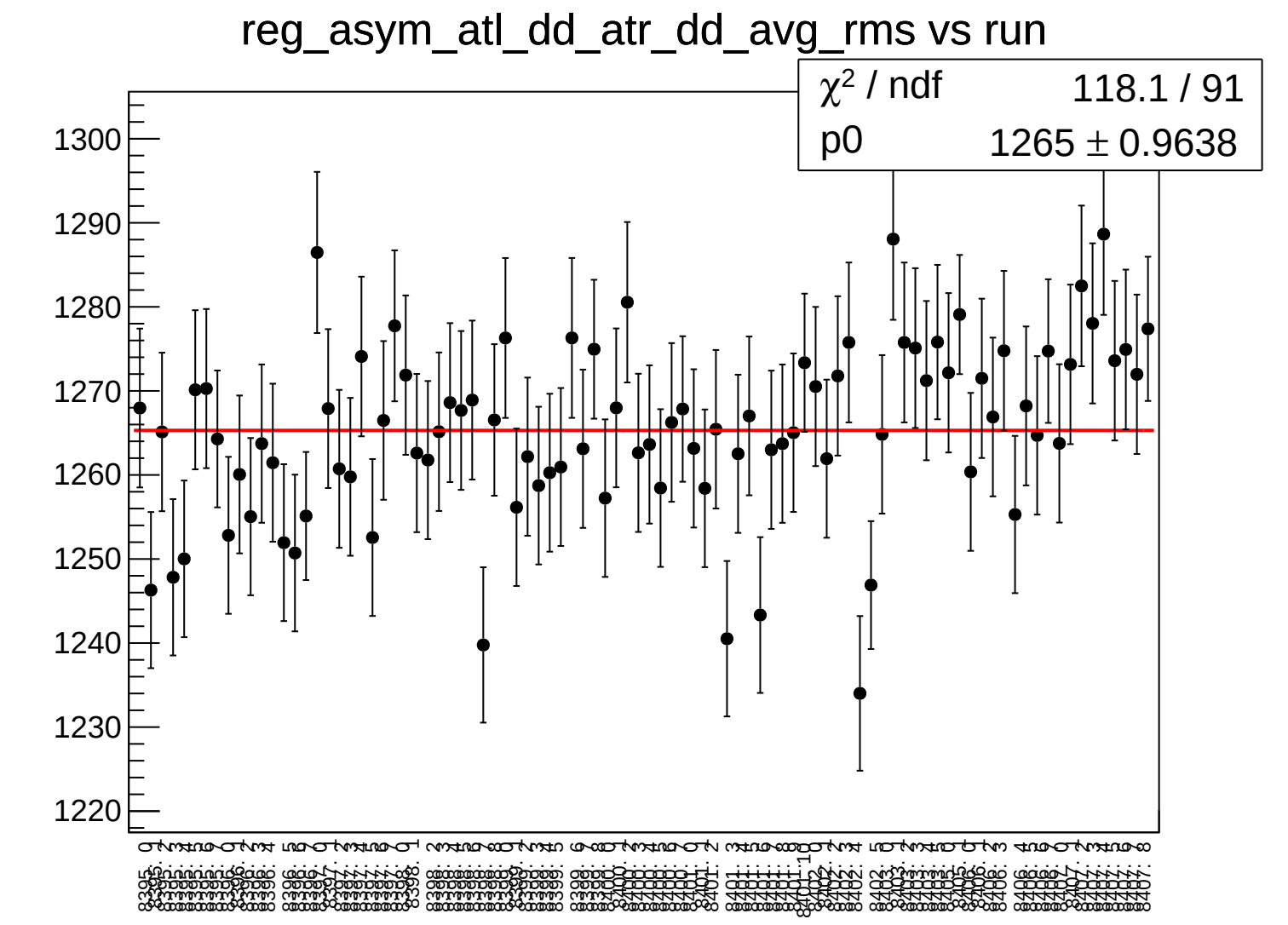

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.06 / 91
p0 −1.347e−13 ± 2.818e−13
40
30
20
10
0
−10
−20
−30
pull
Entries 92
Mean 66.84
Std Dev 24.39
2
1
0
−1
−2

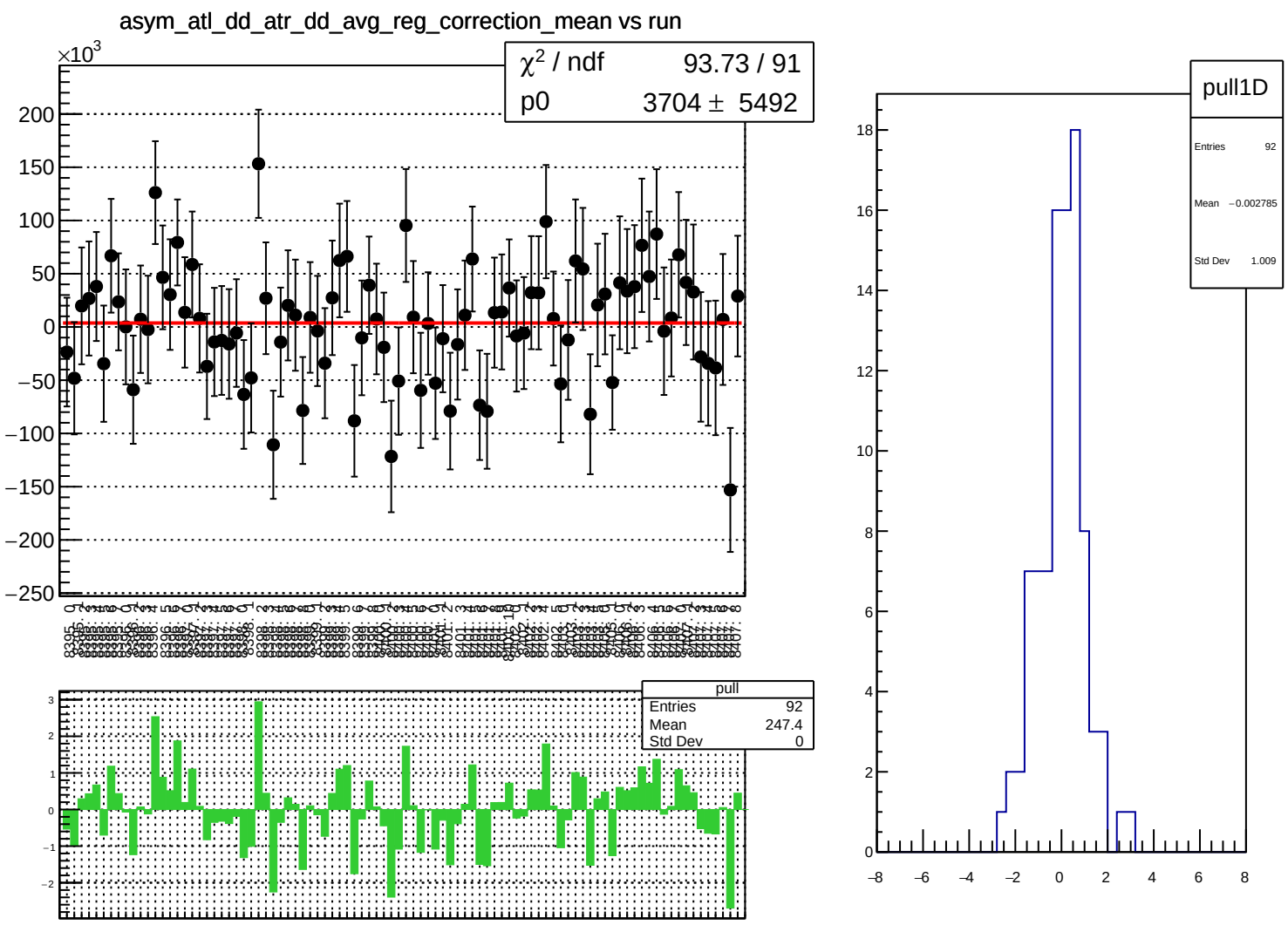

pull1D
Entries 92
Mean 0.07942
Std Dev 0.8937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

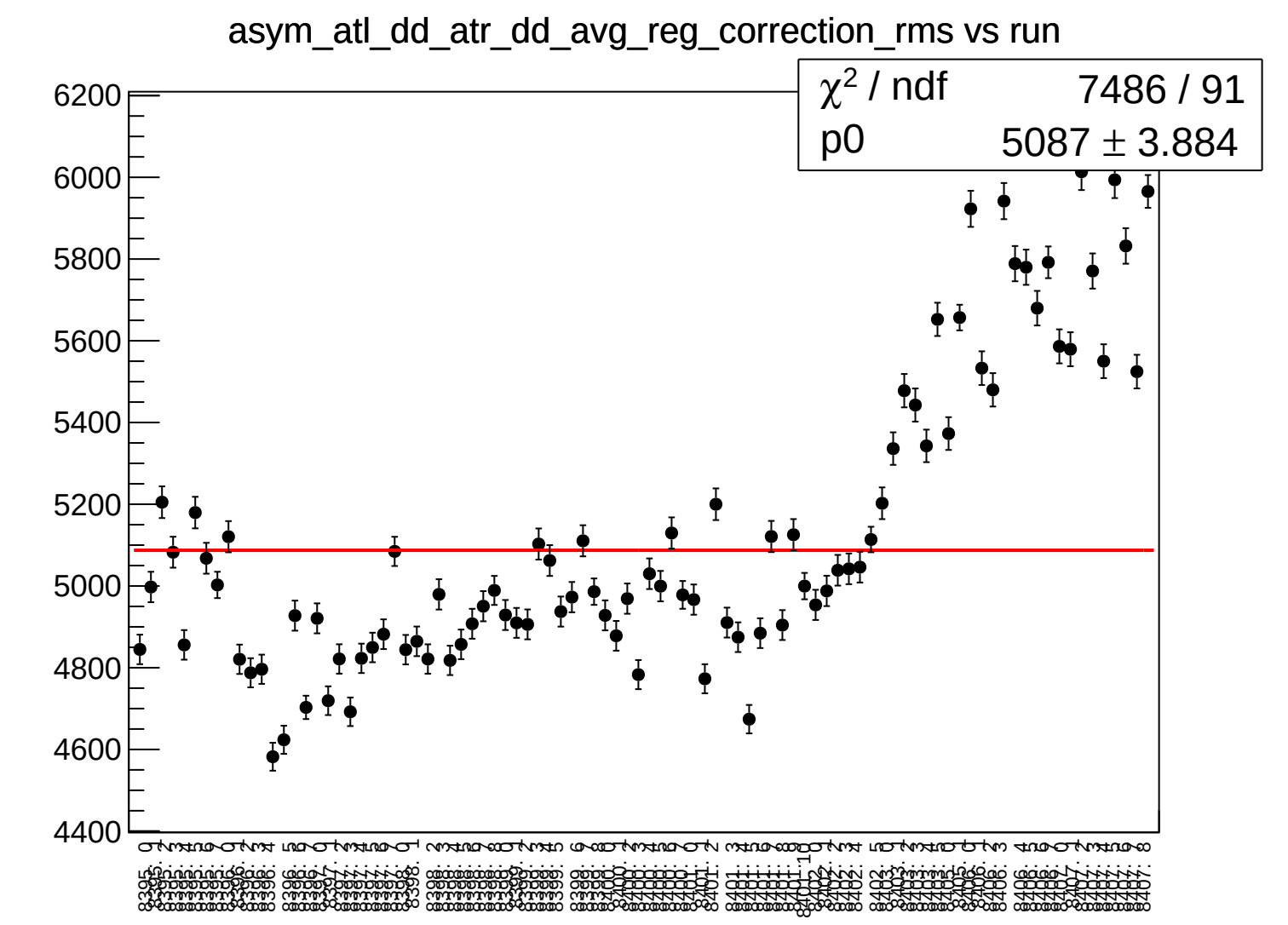

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.888e+05 / 91
p0 2.123e−10 ± 1.993e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

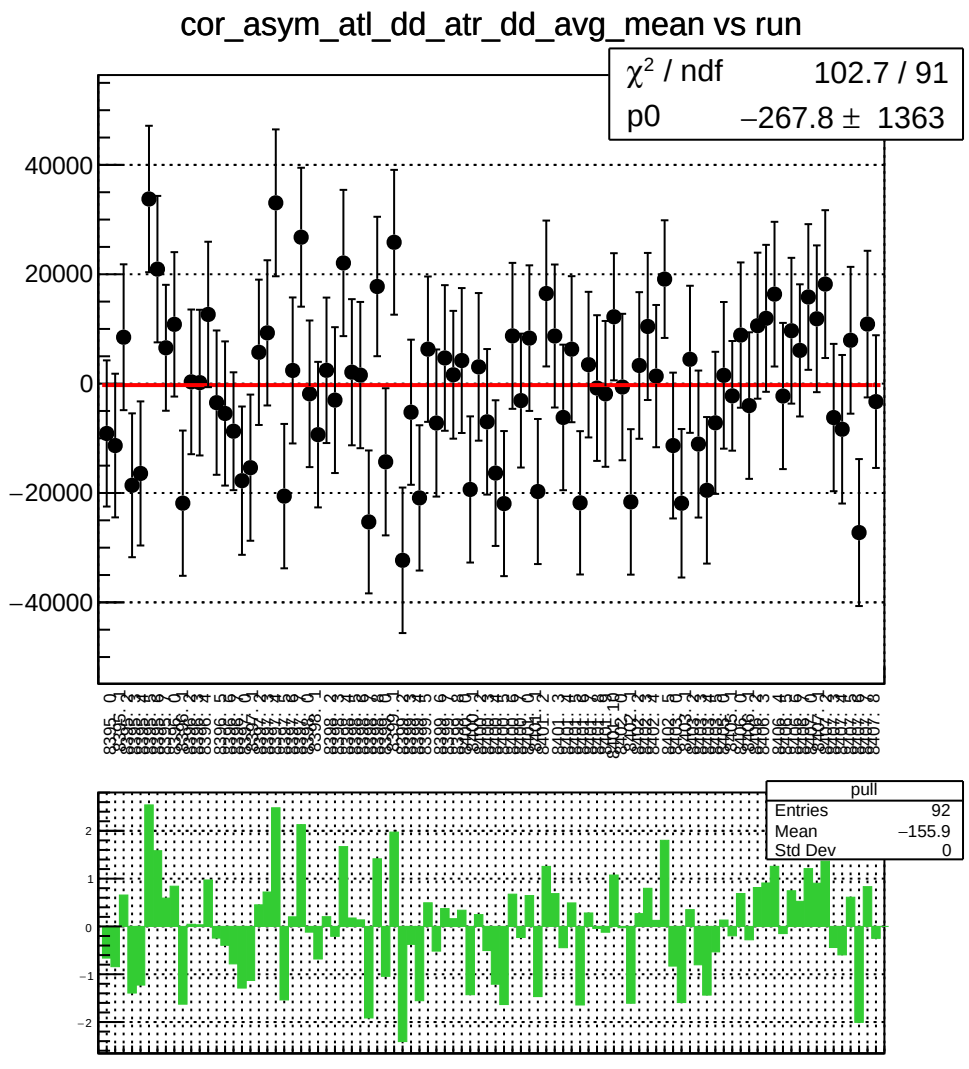

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 102.7 / 91
p0 −267.7 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −156
Std Dev 0
2
1
0
−1
−2

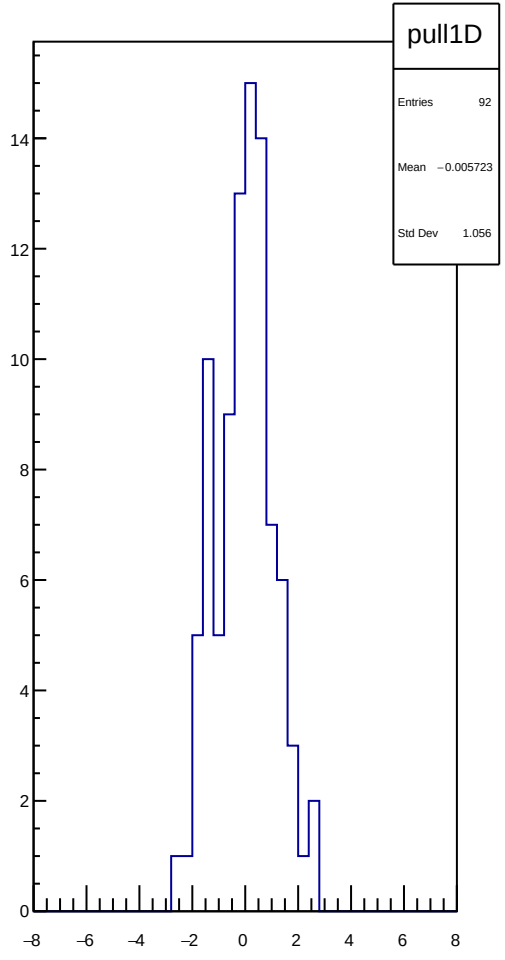

pull1D
Entries 92
Mean −0.005722
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

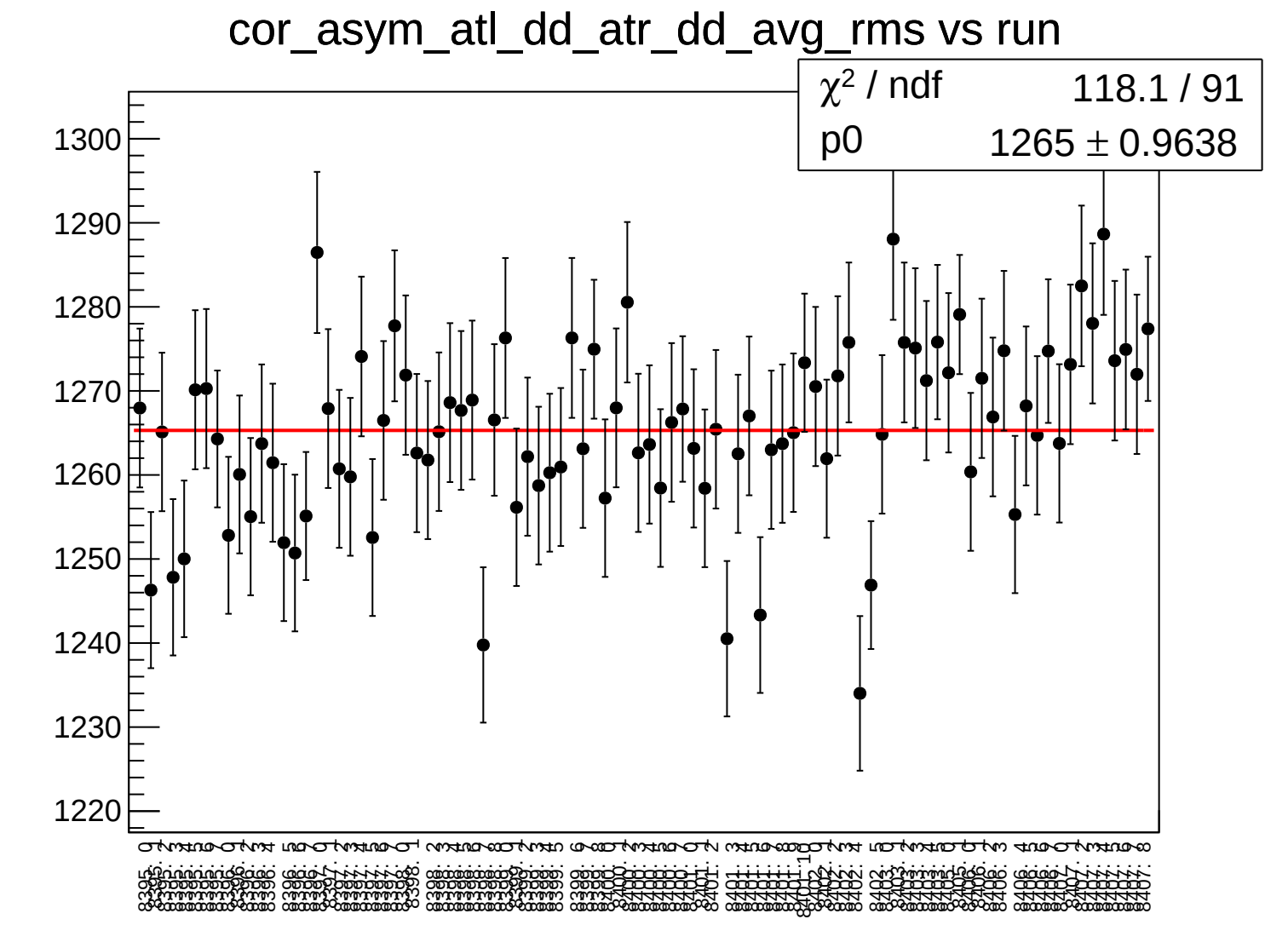

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

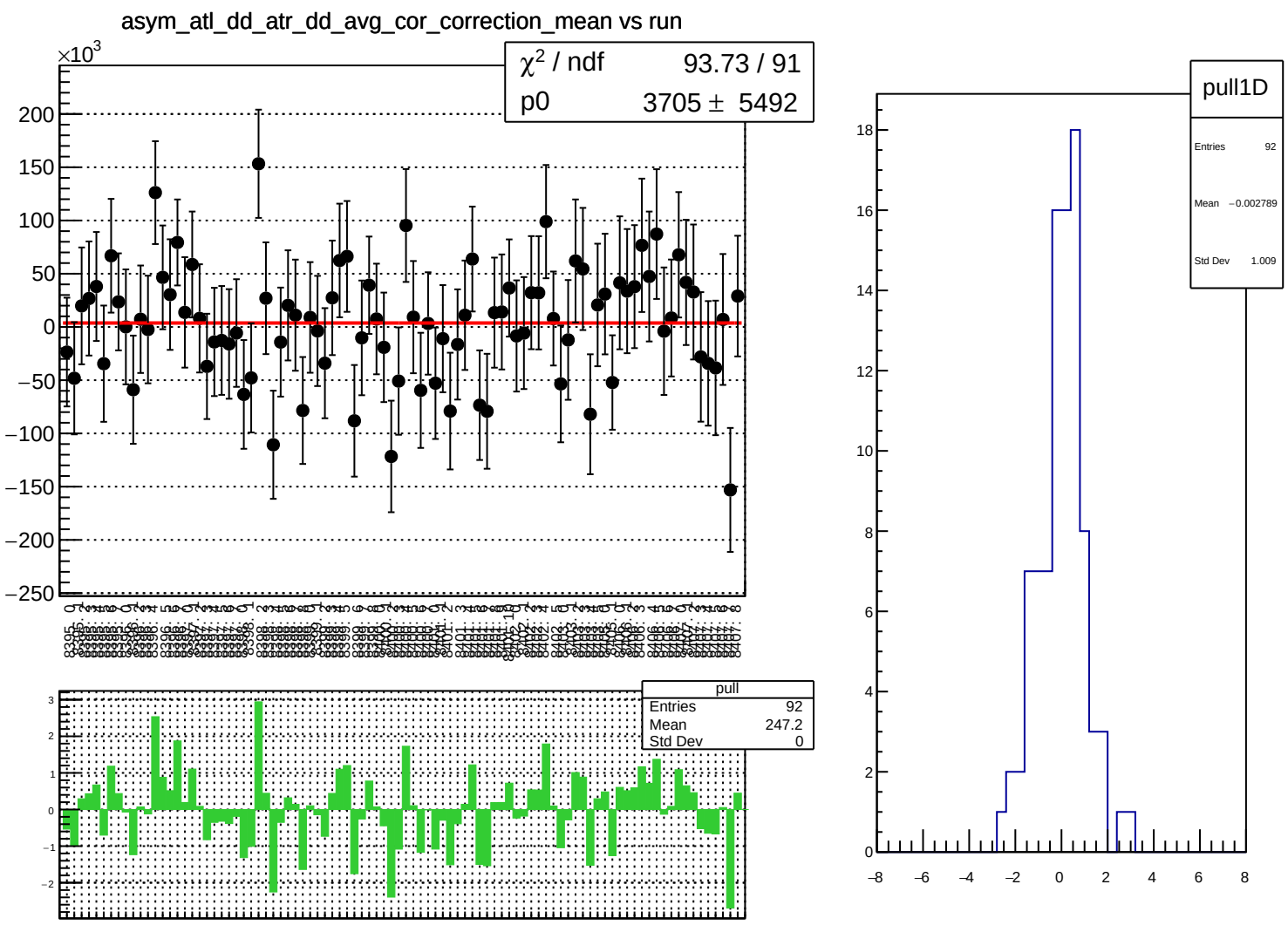

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 93.73 / 91
p0 3704 ± 5492
pull
Entries 92
Mean 247.4
Std Dev 0
pull1D
Entries 92
Mean −0.002785
Std Dev 1.009

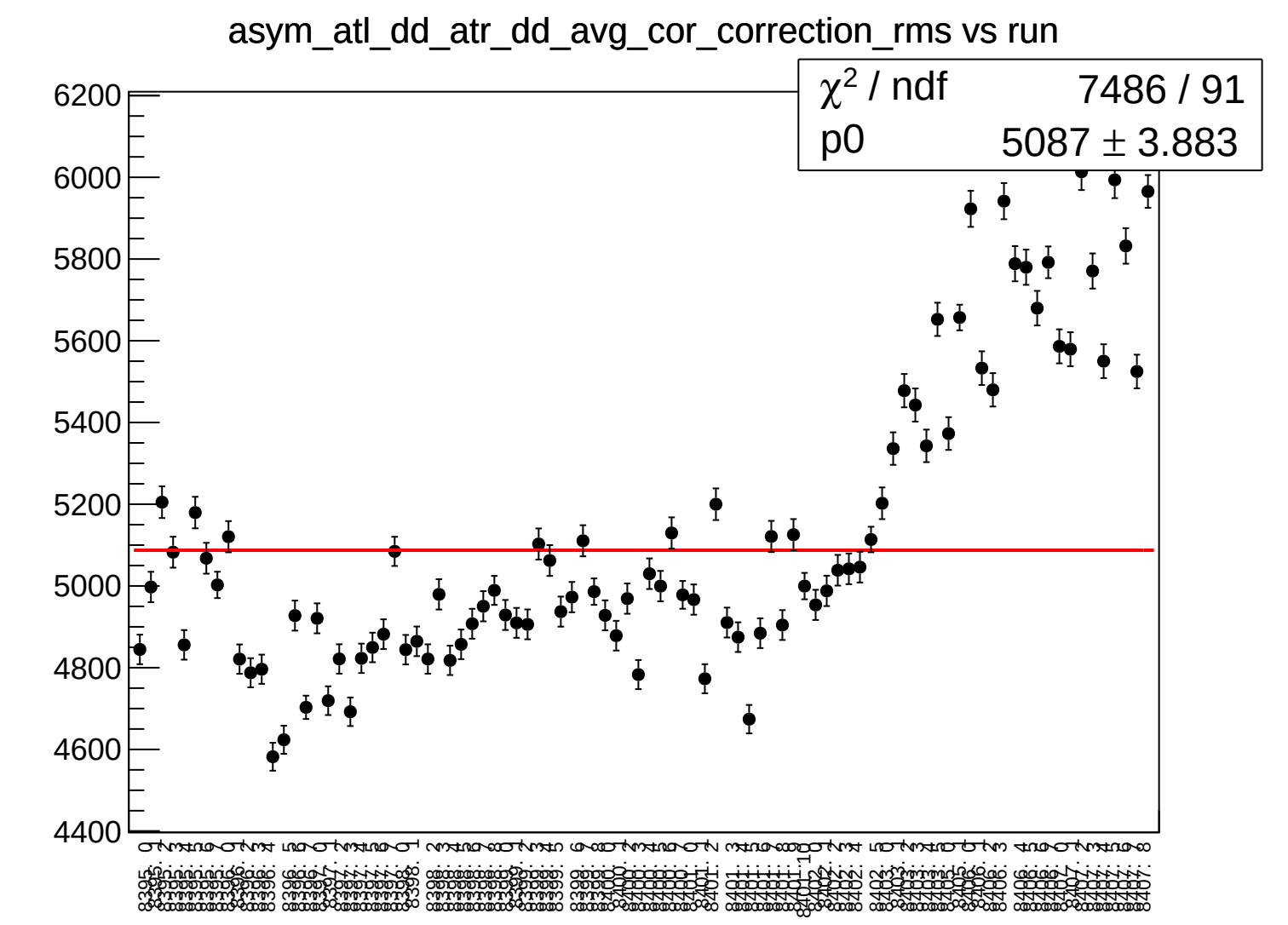

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.884
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

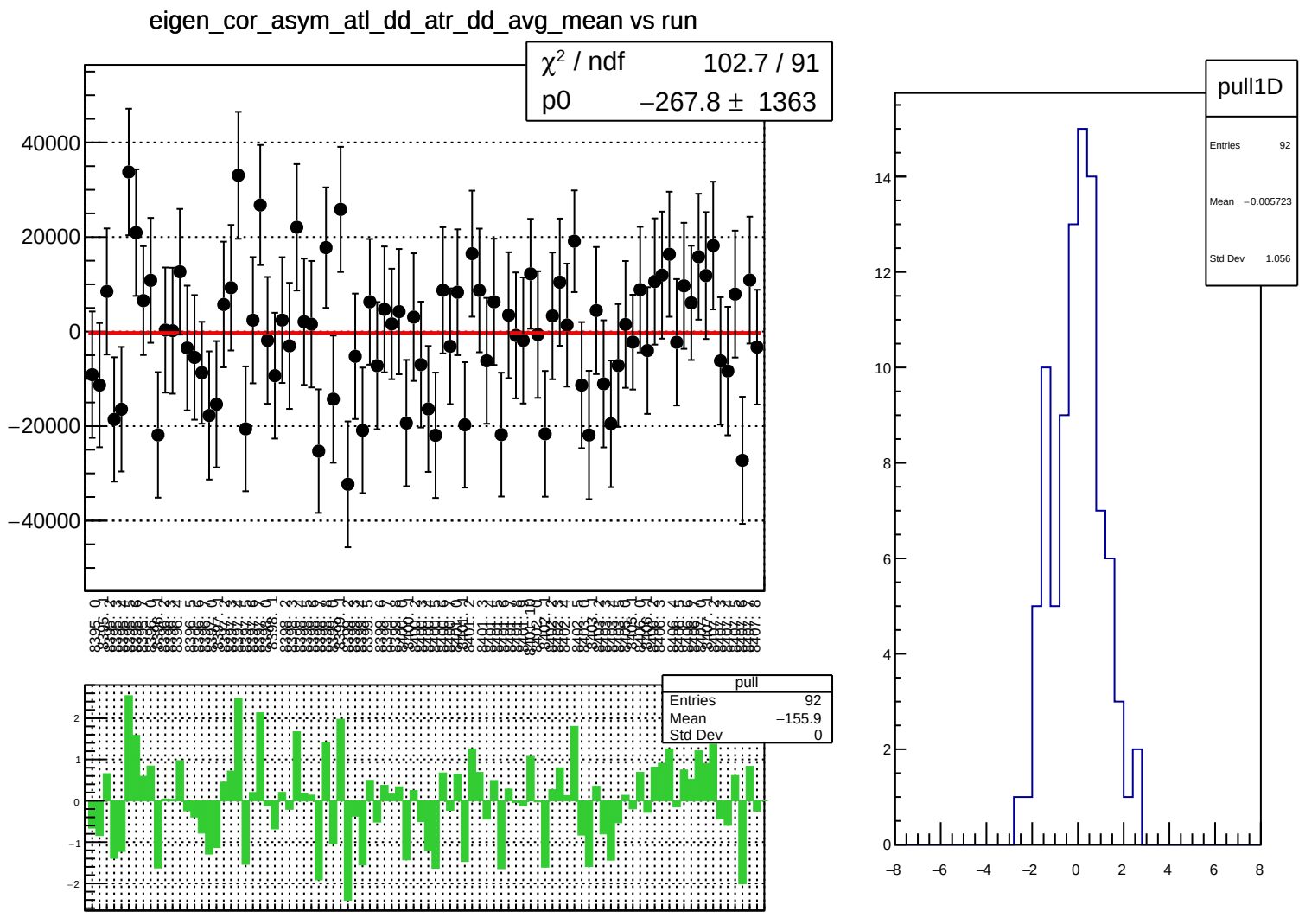

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 102.7 / 91
p0 −267.8 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −155.9
Std Dev 0
2
1
0
−1
−2

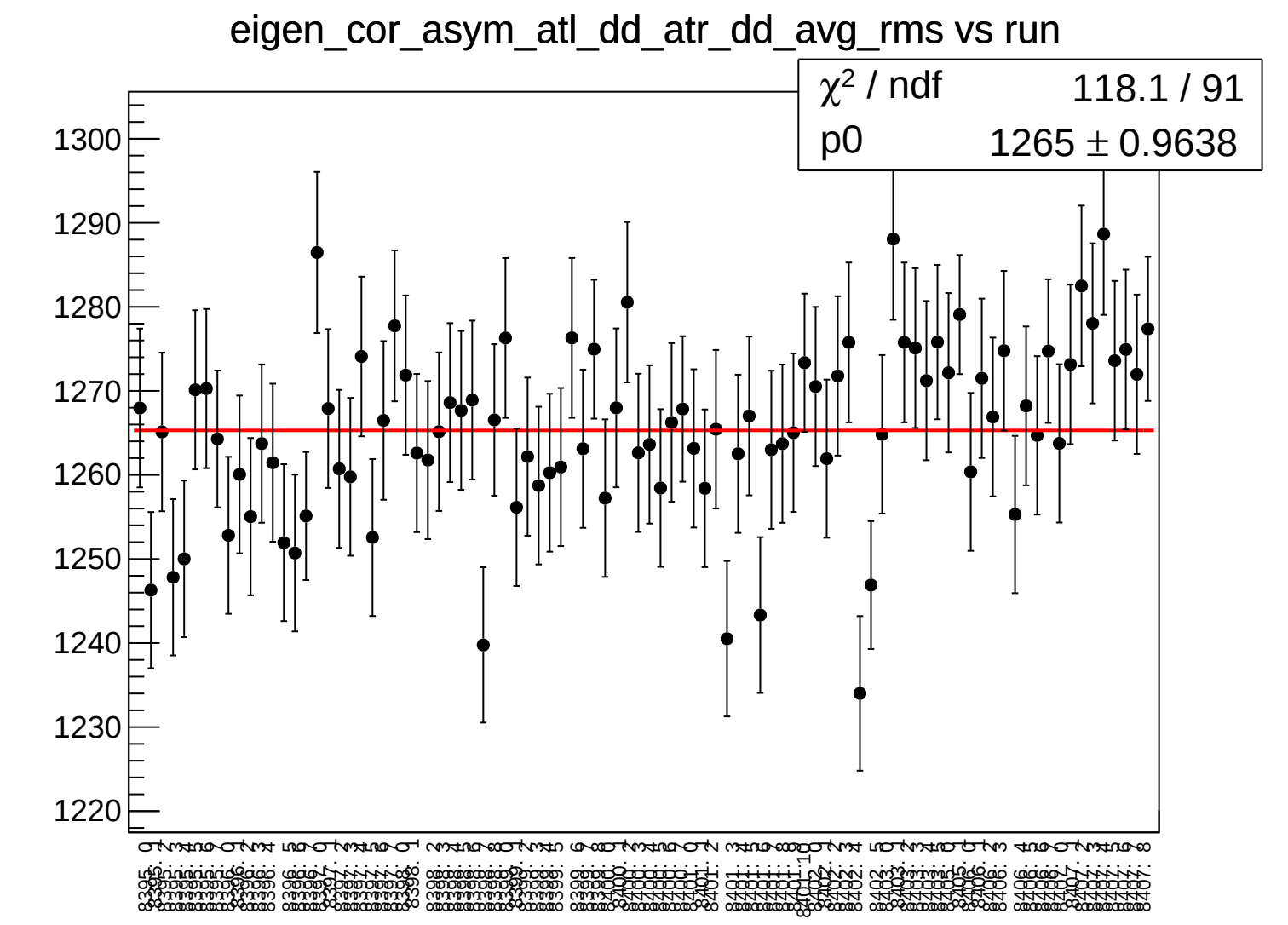

pull1D
Entries 92
Mean −0.005723
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

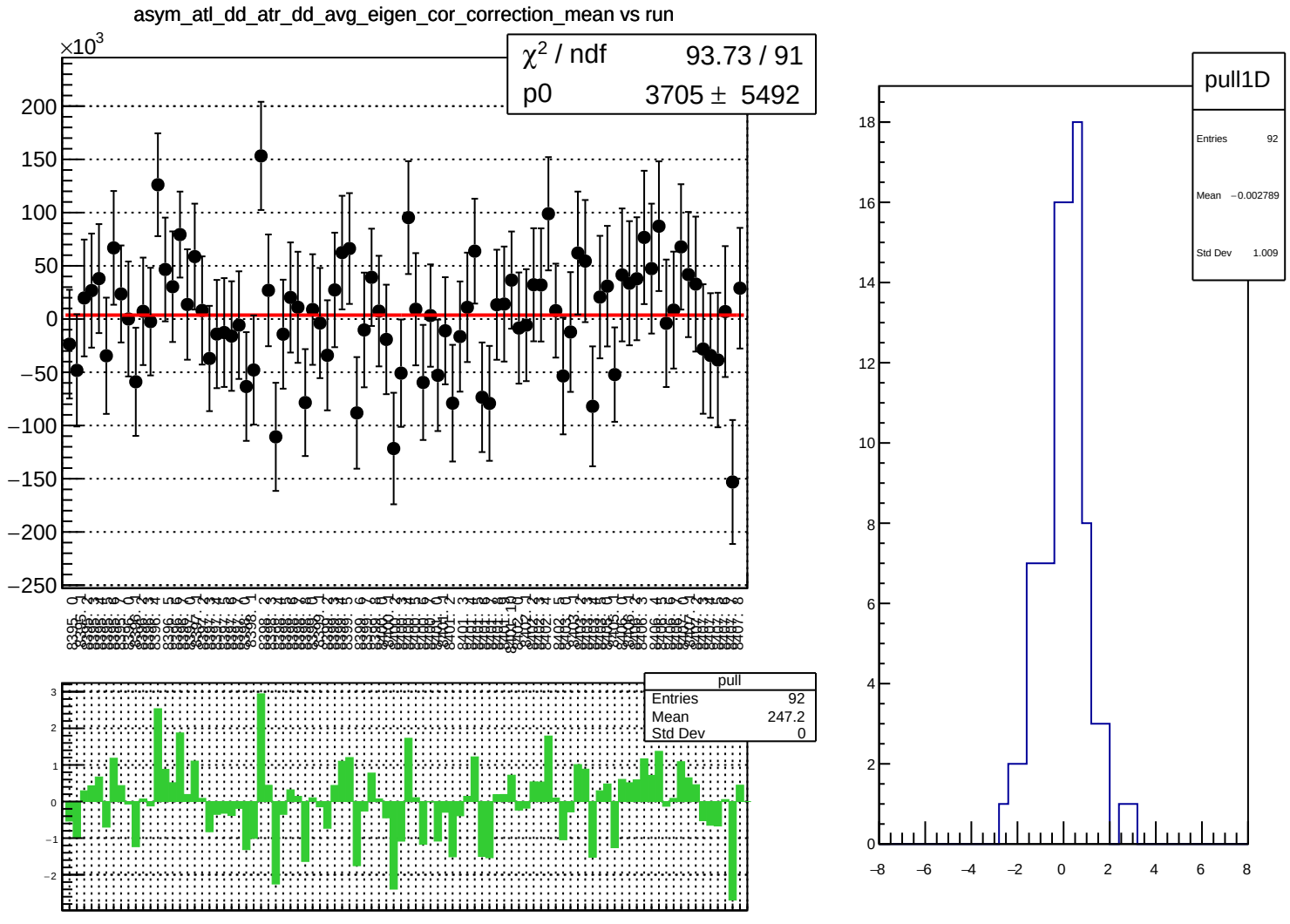

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

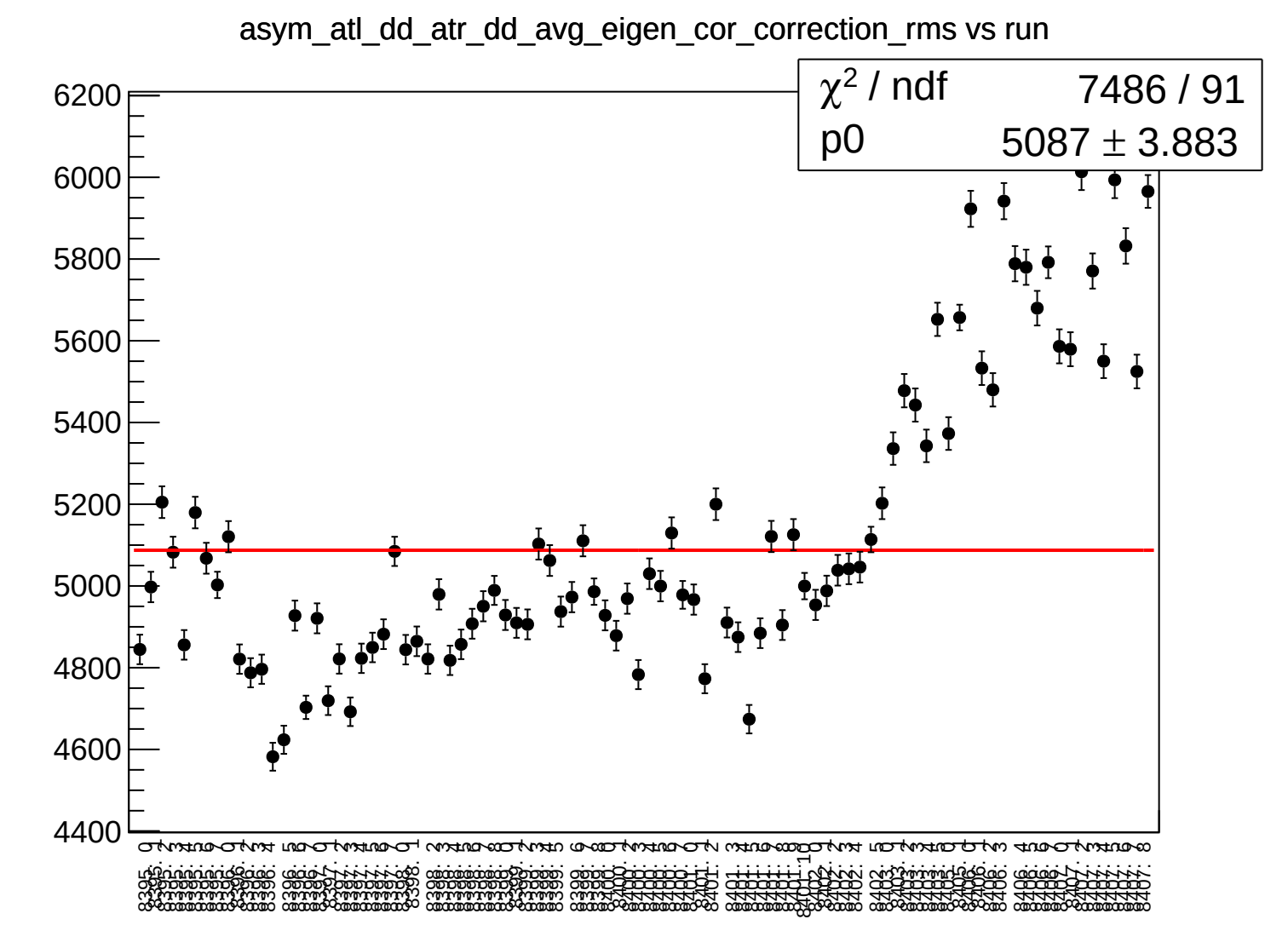

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 93.73 / 91
p0 3705 ± 5492
pull
Entries 92
Mean 247.2
Std Dev 0
pull1D
Entries 92
Mean −0.002789
Std Dev 1.009

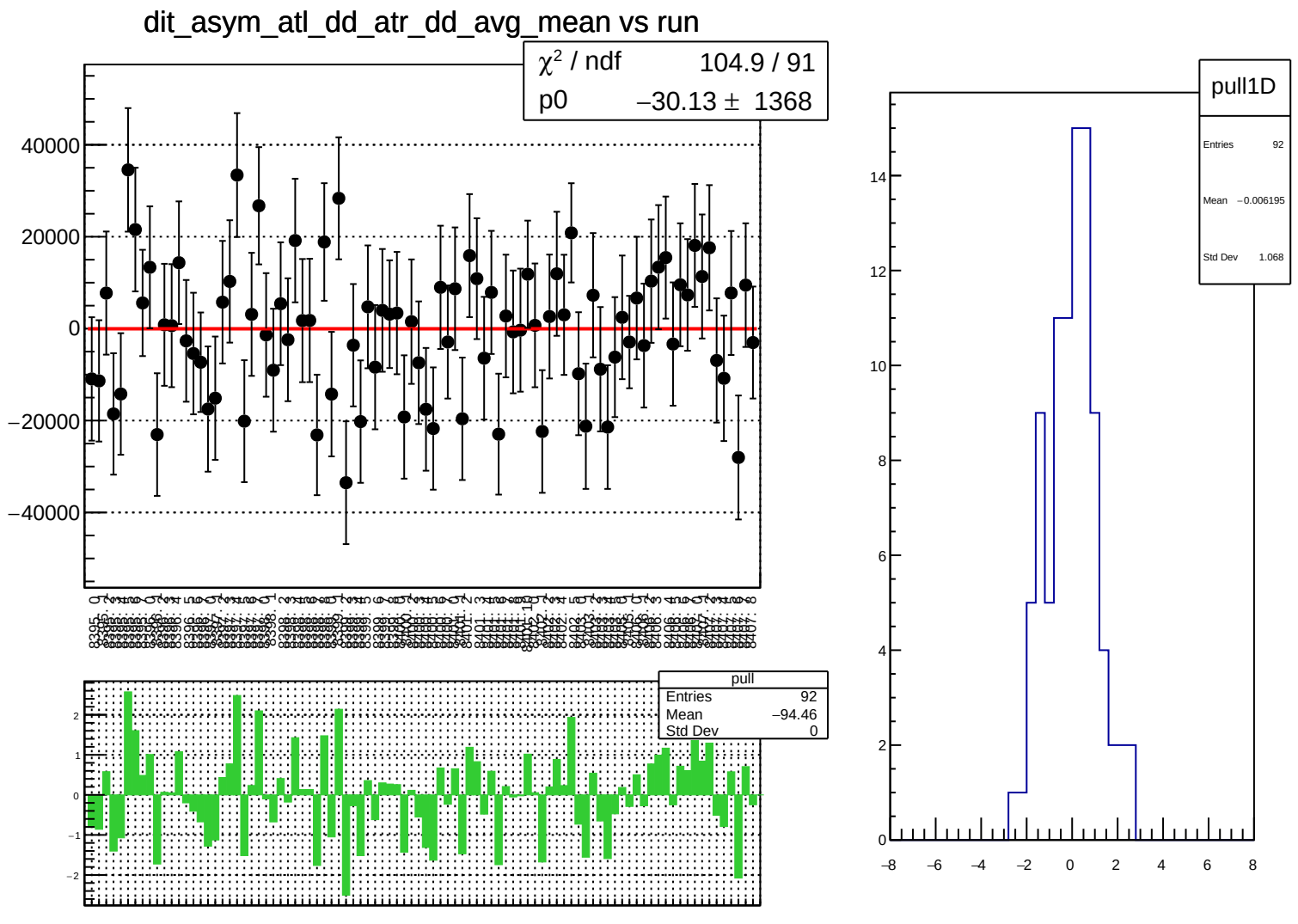

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.883
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

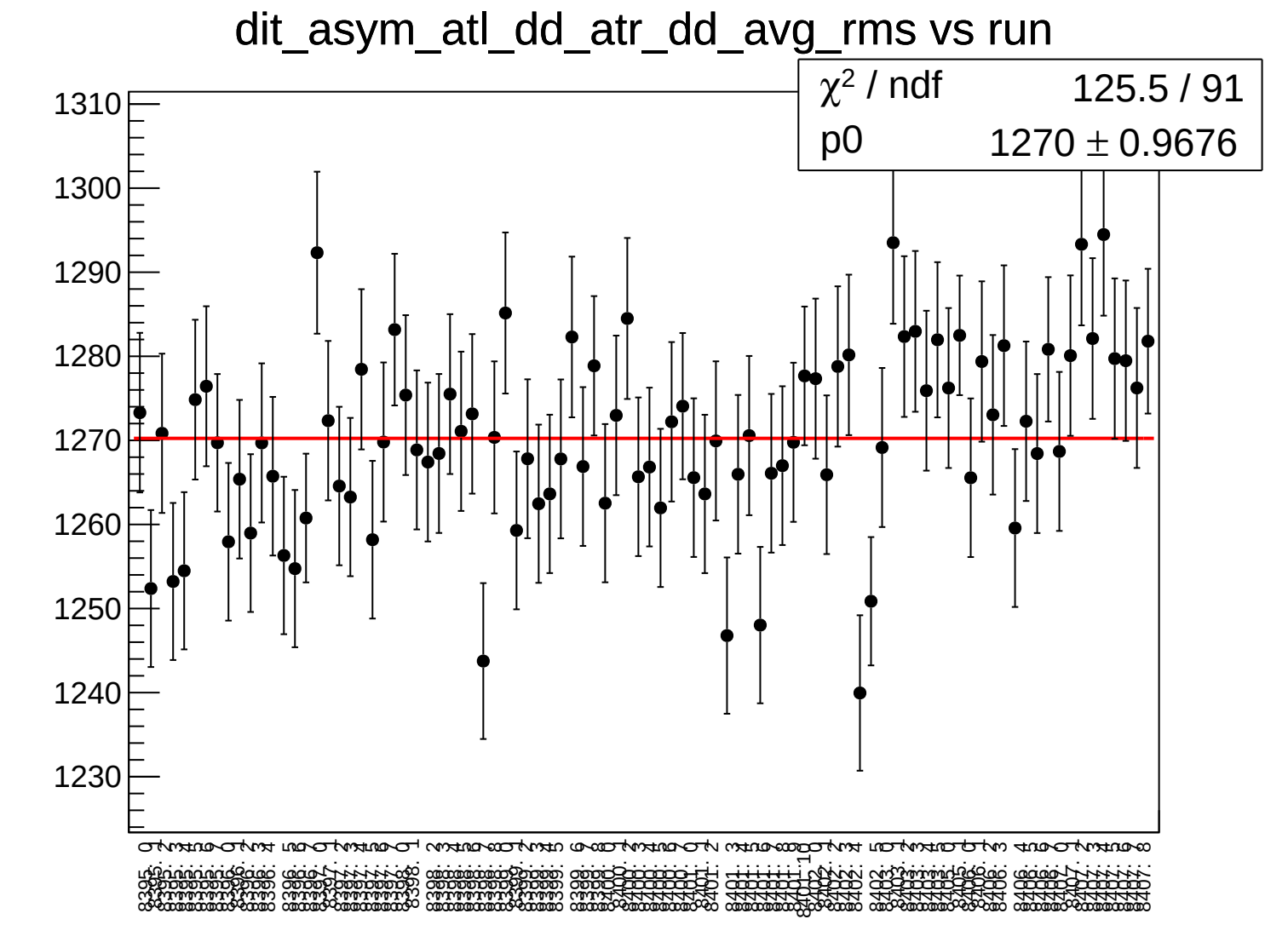

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 102.7 / 91
p0 −267.8 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −155.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.005723
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

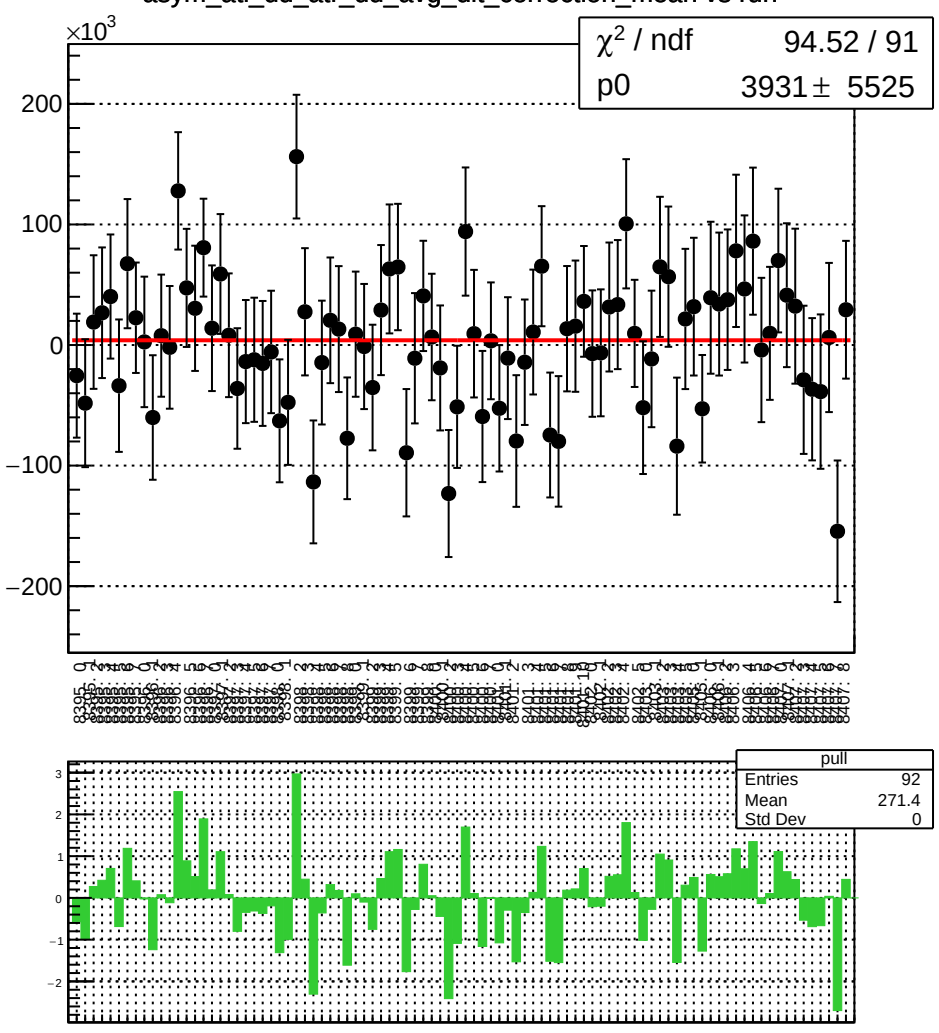

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

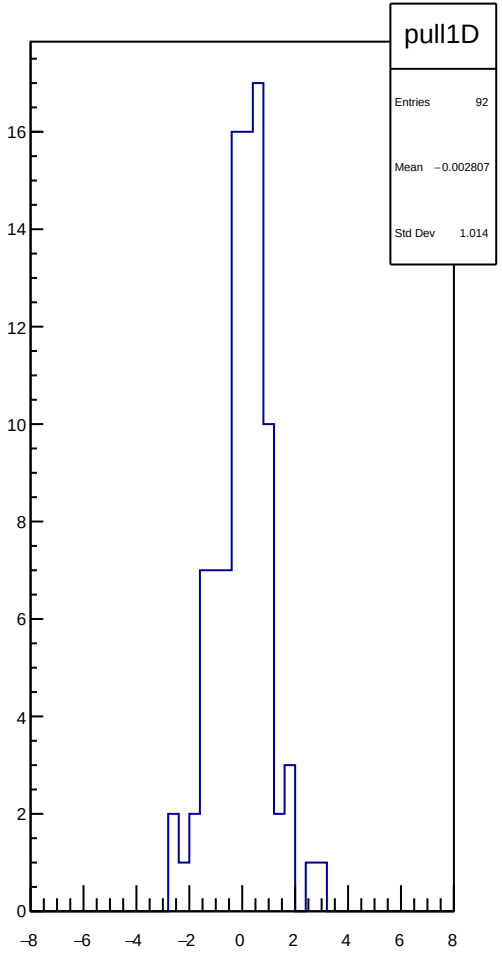

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.73 / 91
p0 3705 ± 5492
pull
Entries 92
Mean 247.2
Std Dev 0
pull1D
Entries 92
Mean −0.002789
Std Dev 1.009

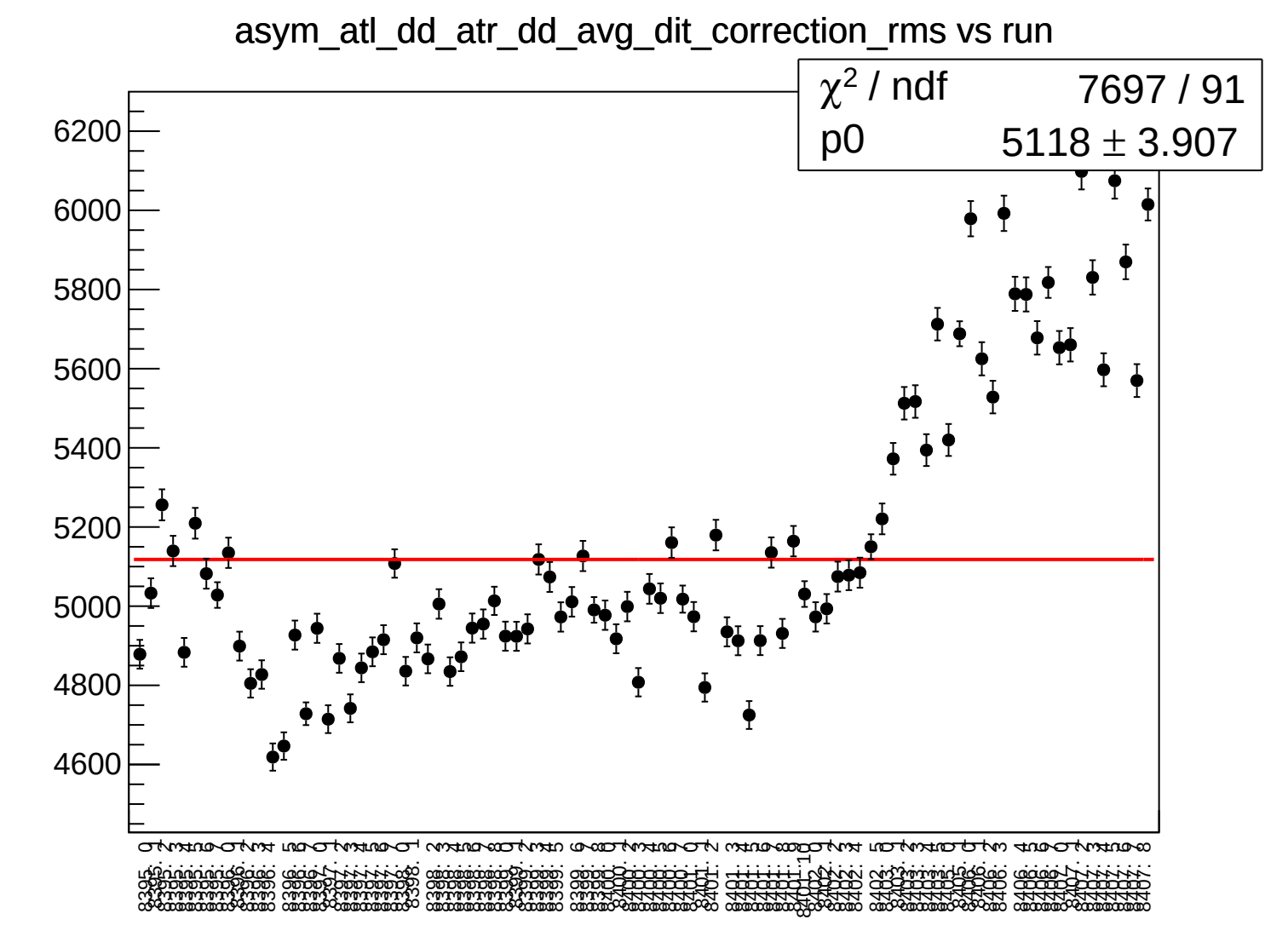

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.883
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

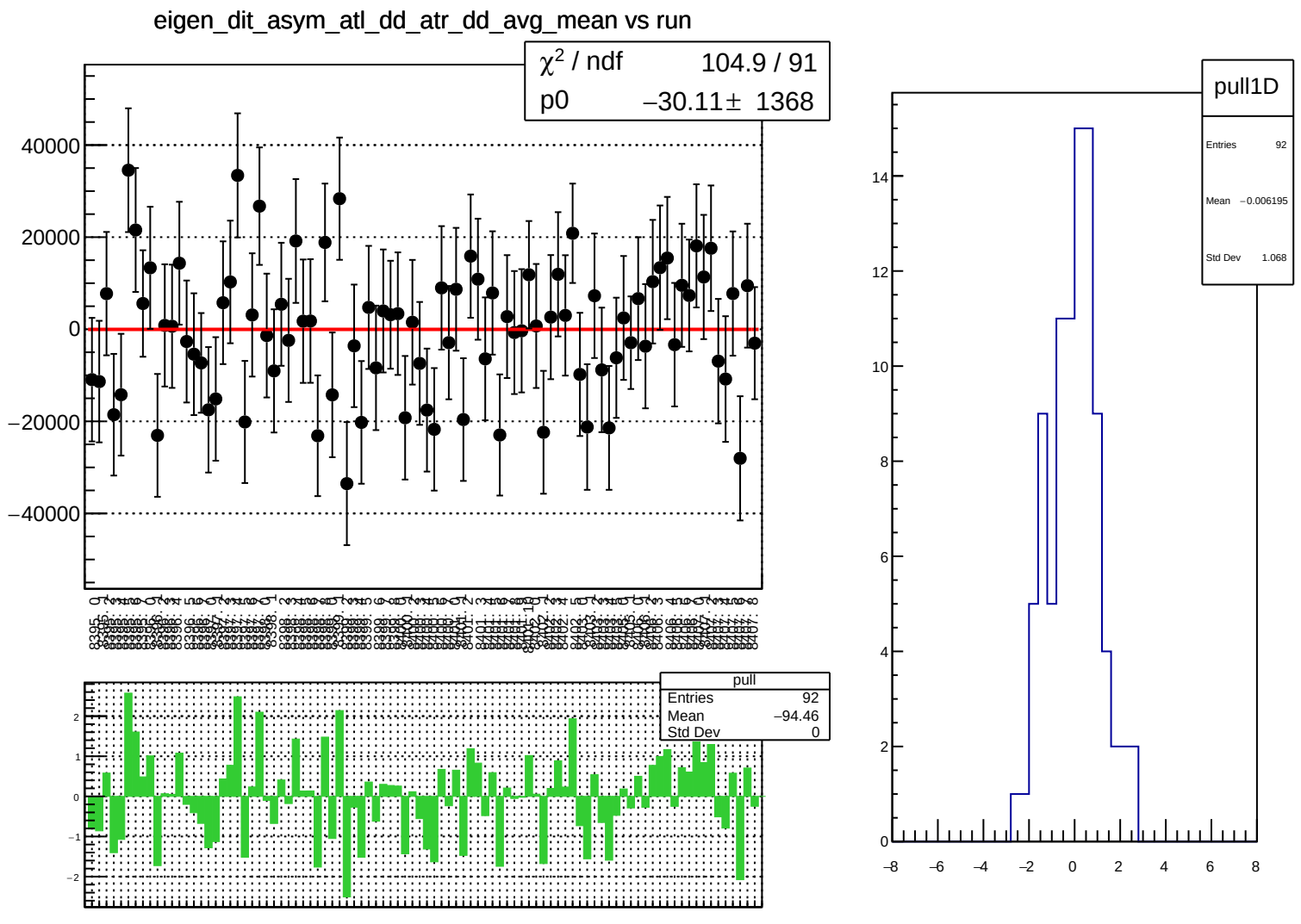

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 104.9 / 91
p0 −30.13 ± 1368
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006195
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

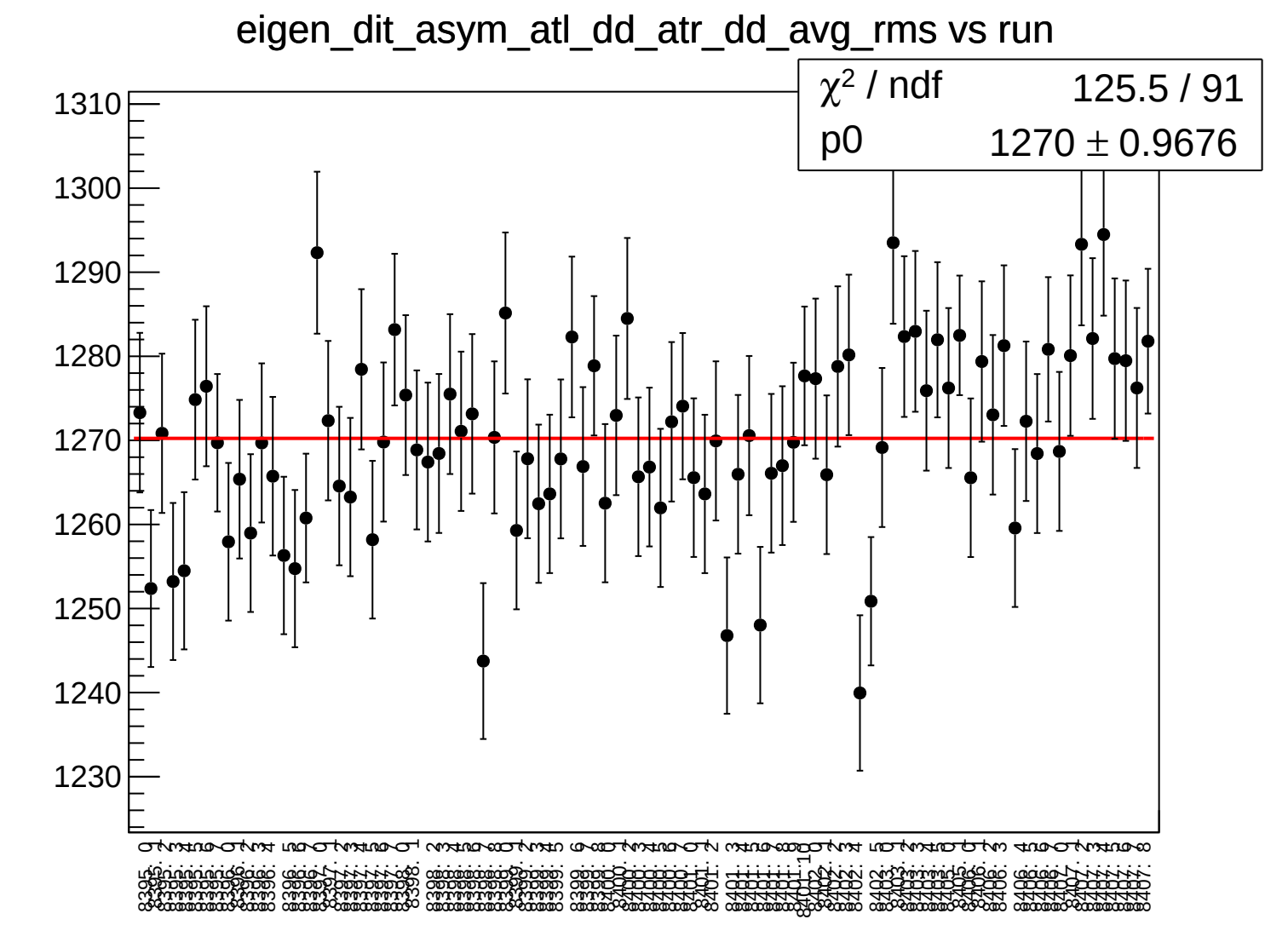

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 125.5 / 91
p0 1270 ± 0.9676
1310
1300
1290
1280
1270
1260
1250
1240
1230

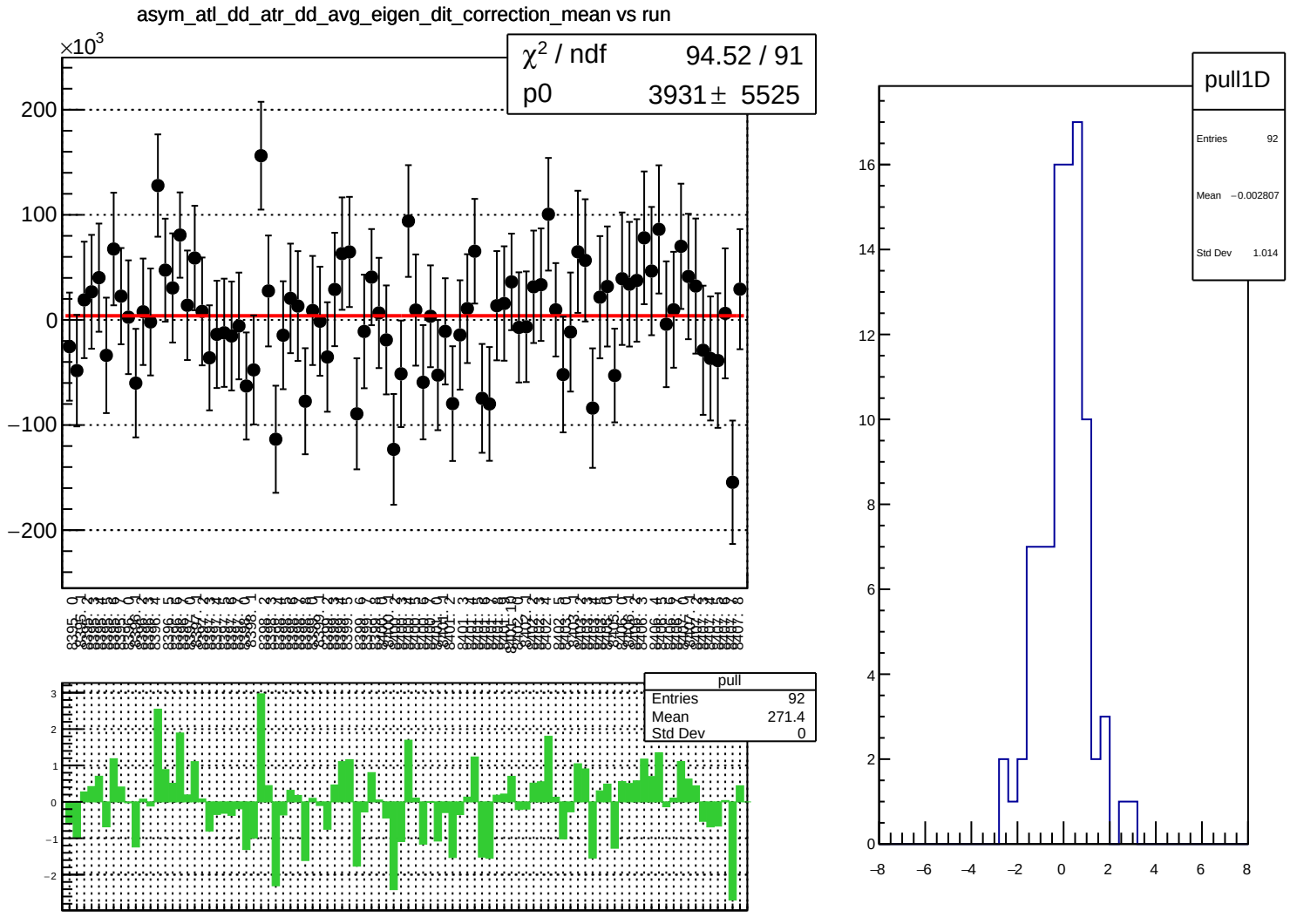

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 94.52 / 91
p0 3931 ± 5525
200
100
0
−100
−200
pull
Entries 92
Mean 271.4
Std Dev 0
3
2
1
0
−1
−2

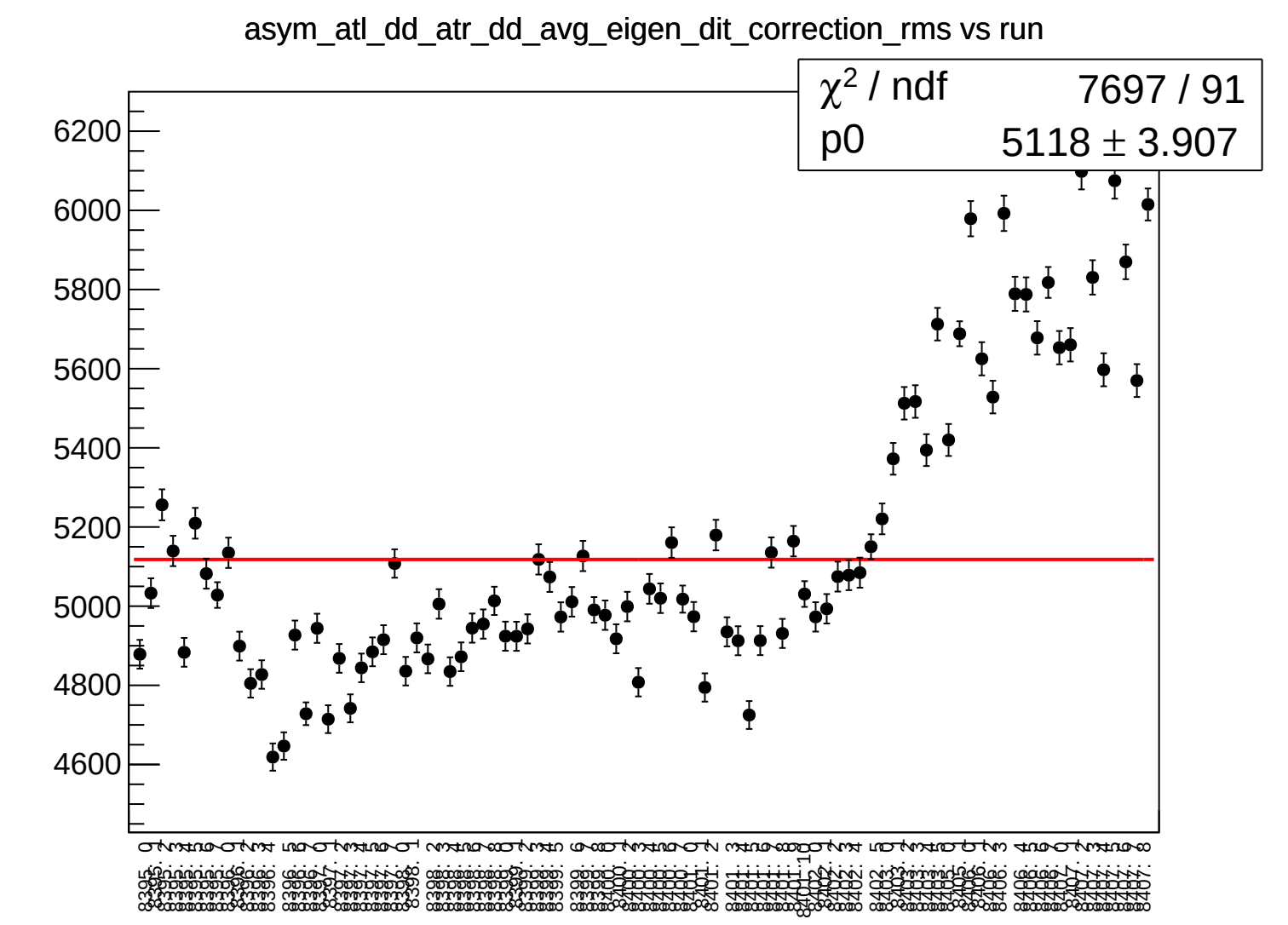

pull1D
Entries 92
Mean −0.002807
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

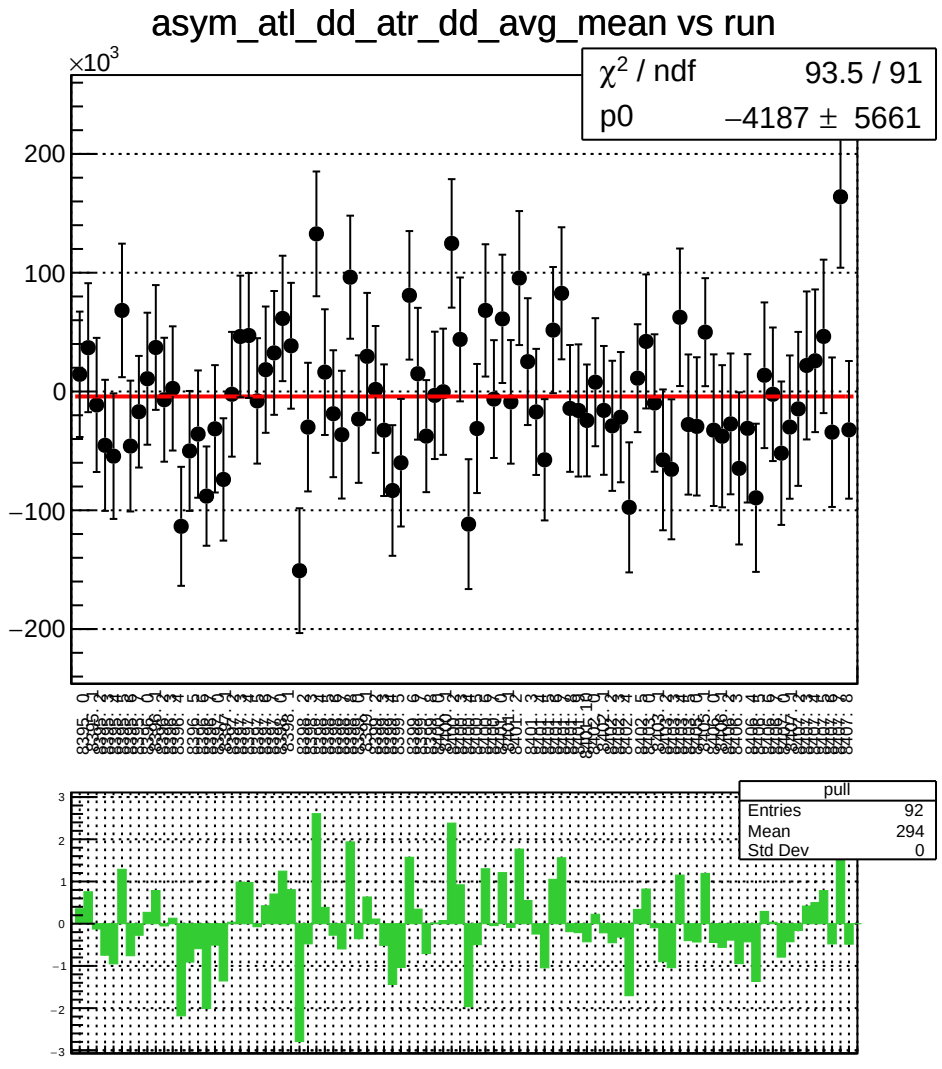

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 7697 / 91
p0 5118 ± 3.907
6200
6000
5800
5600
5400
5200
5000
4800
4600

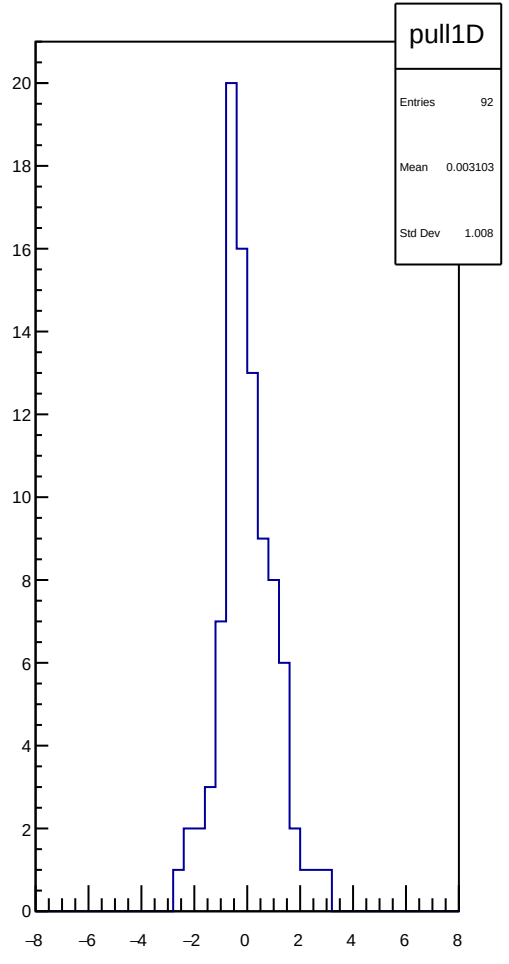

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 104.9 / 91
p0 −30.11± 1368
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006195
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

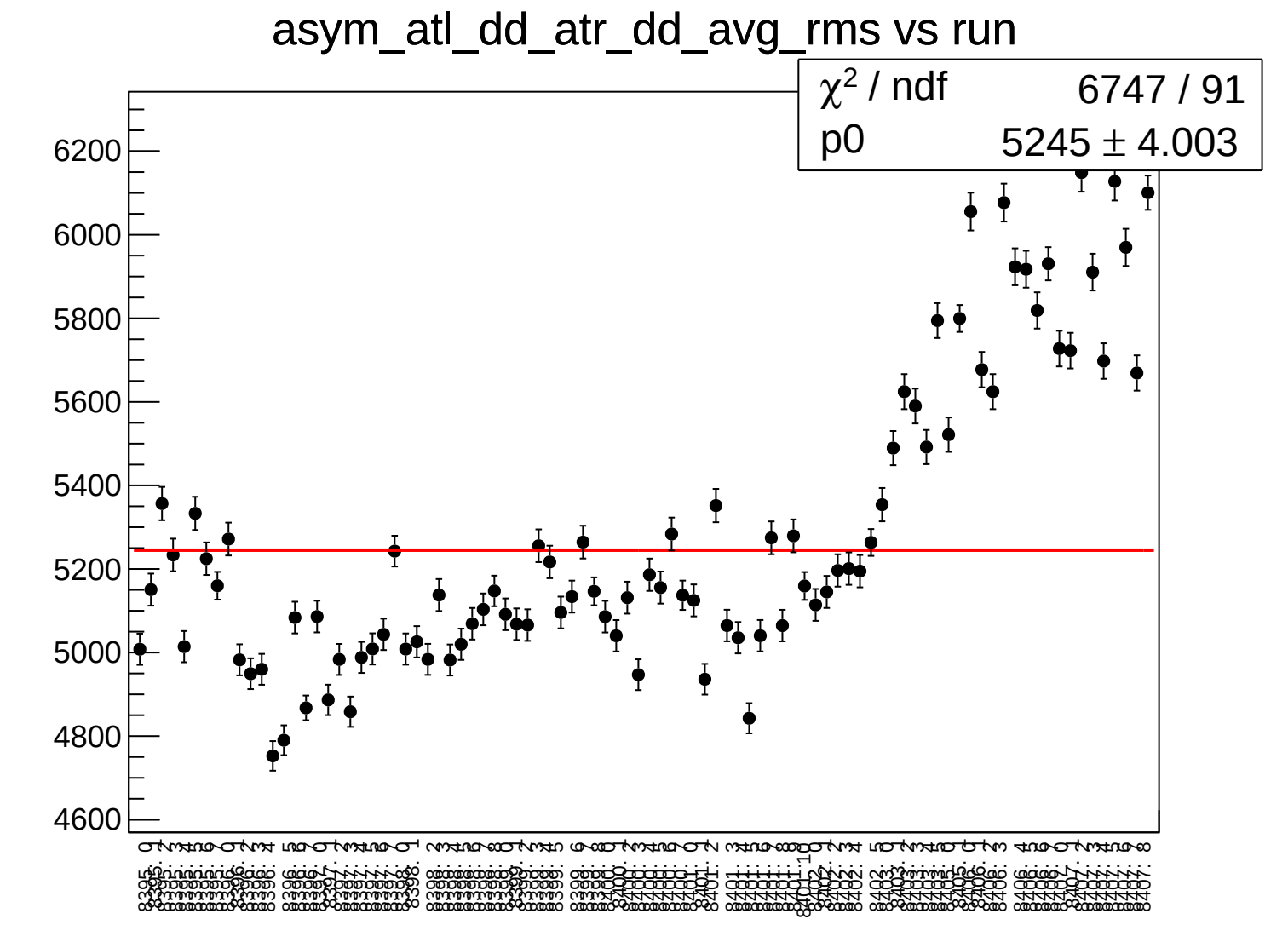

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 125.5 / 91
p0 1270 ± 0.9676
1310
1300
1290
1280
1270
1260
1250
1240
1230

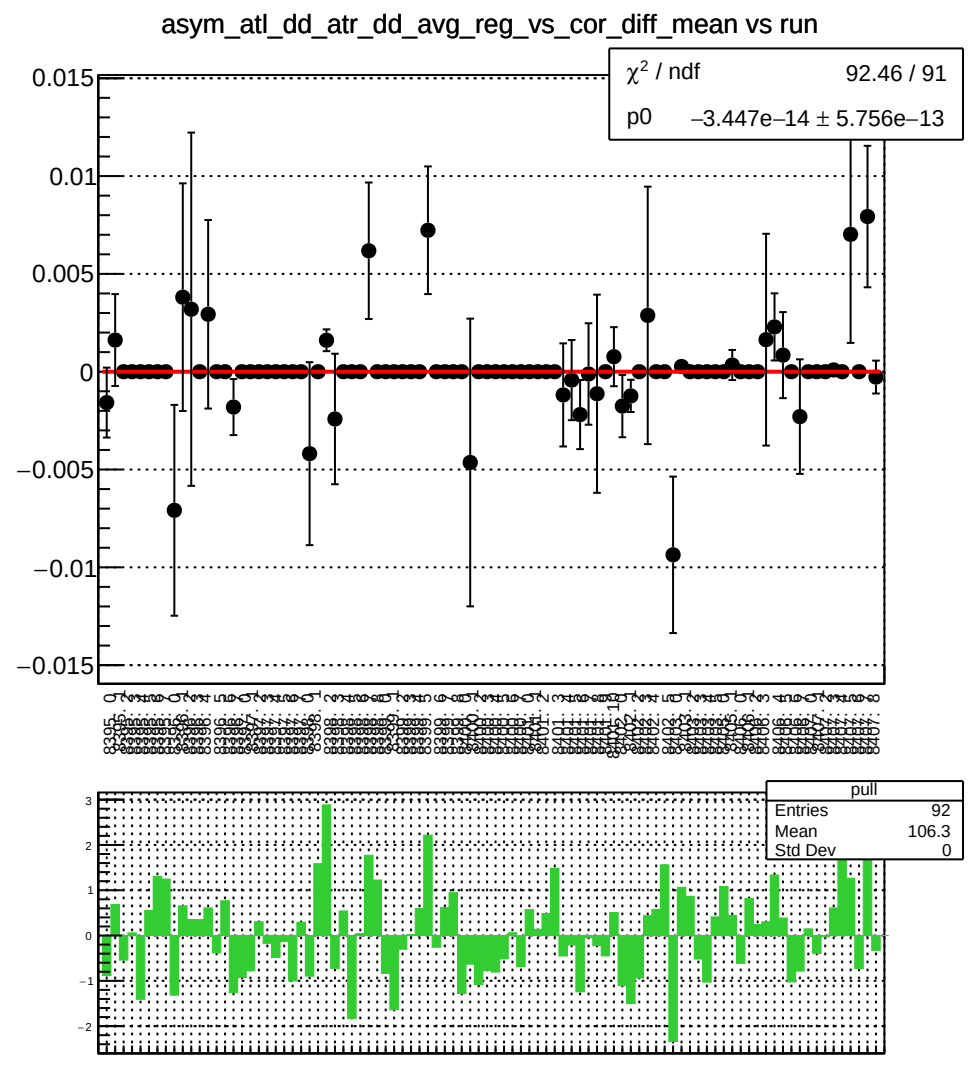

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.52 / 91
p0 3931 ± 5525
200
100
0
−100
−200
pull
Entries 92
Mean 271.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002807
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

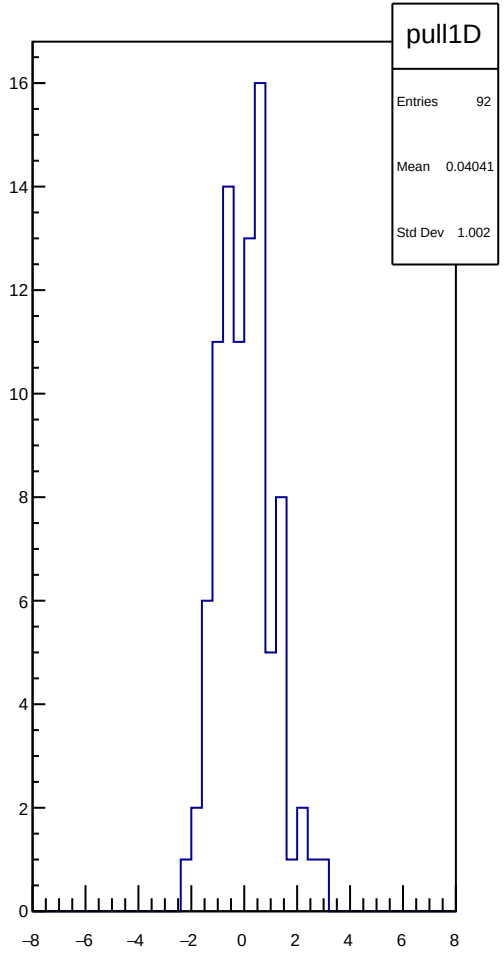

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7697 / 91
p0 5118 ± 3.907
6200
6000
5800
5600
5400
5200
5000
4800
4600

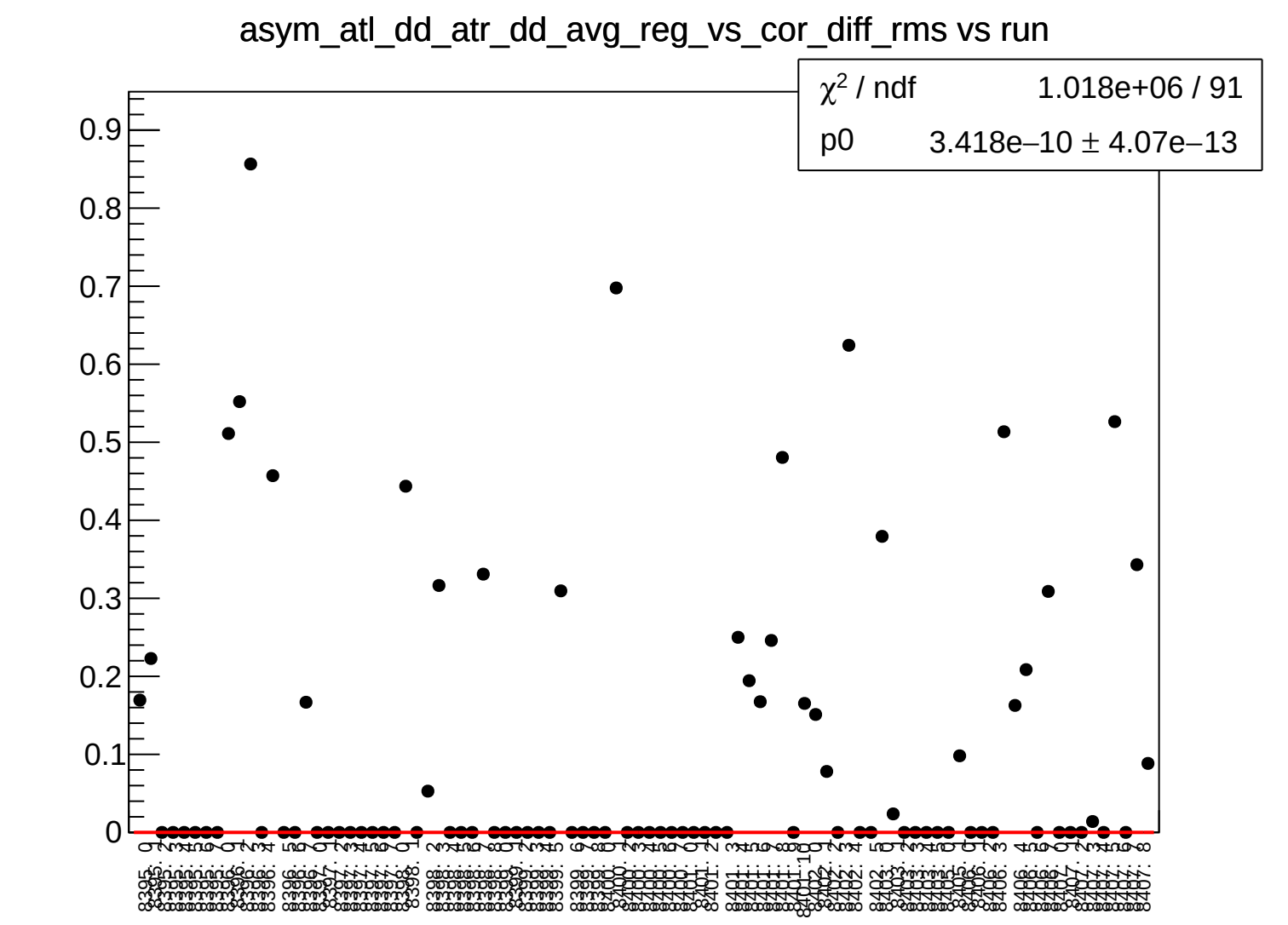

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 93.5 / 91
p0 −4187 ± 5661
200
100
0
−100
−200
pull
Entries 92
Mean 294
Std Dev 0
3
2
1
0
−1
−2
−3

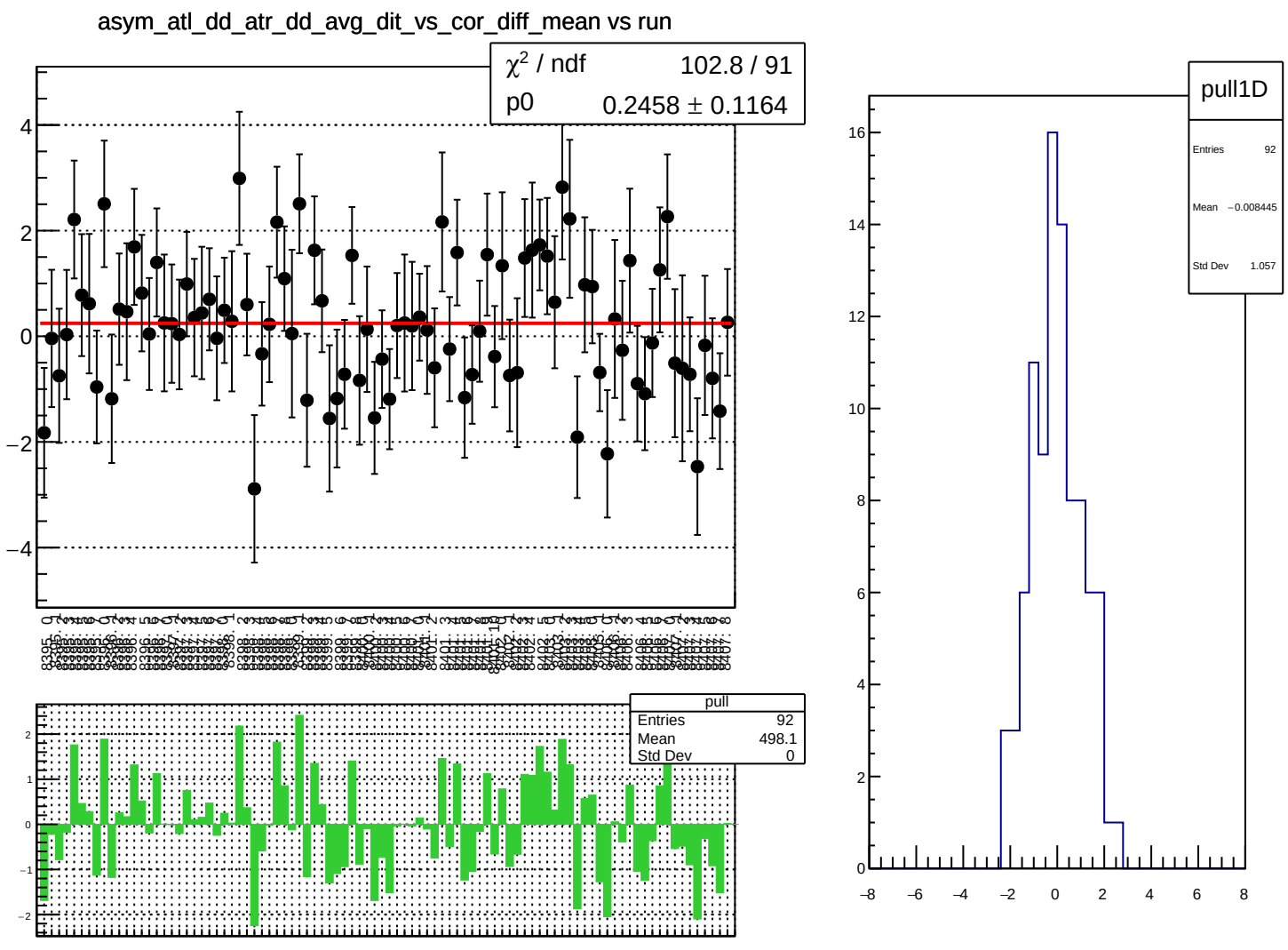

pull1D
Entries 92
Mean 0.003103
Std Dev 1.008
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

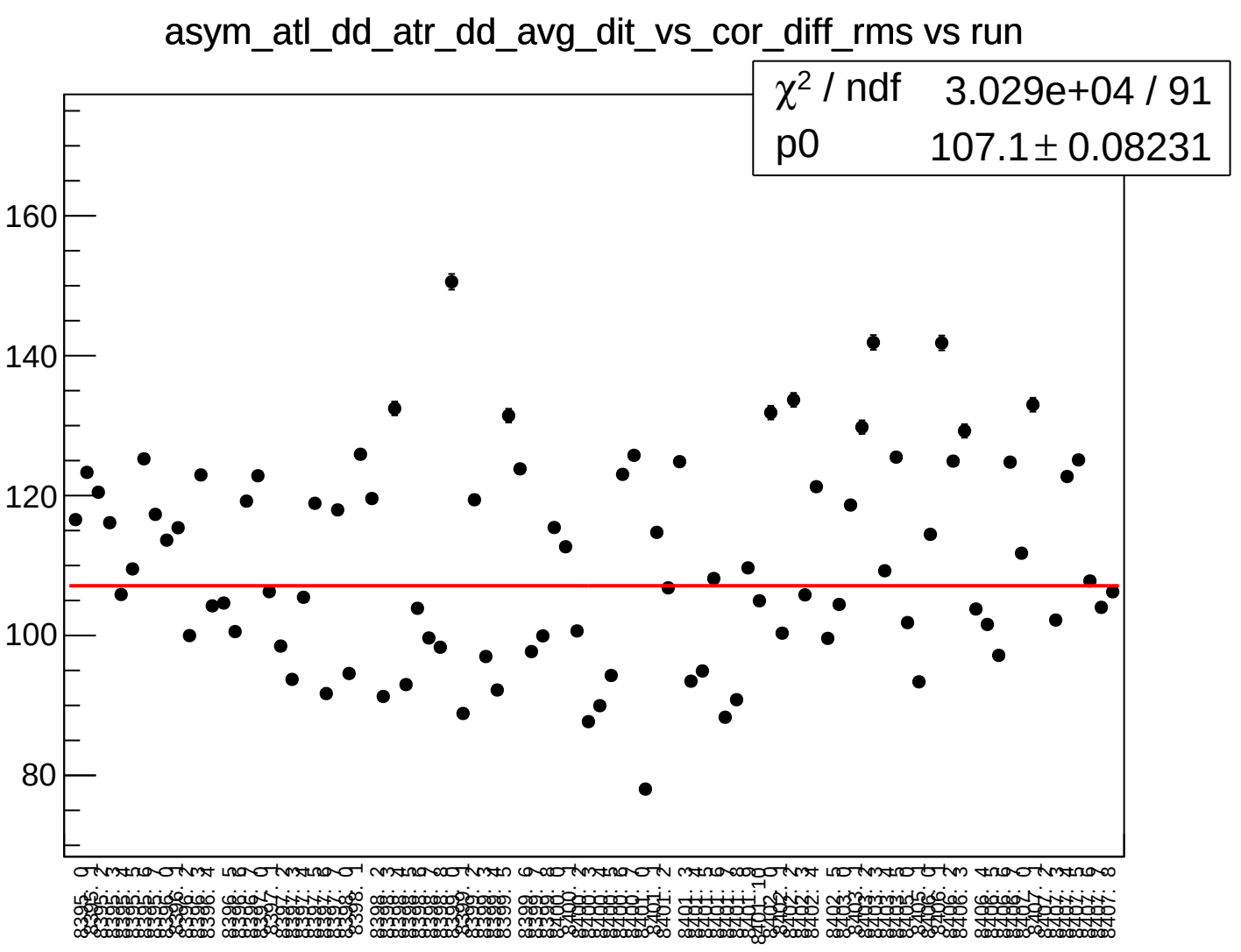

asym_atl_dd_atr_dd_avg_rms vs run
$\chi^2$ / ndf 6747 / 91
p0 5245 ± 4.003
6200
6000
5800
5600
5400
5200
5000
4800
4600

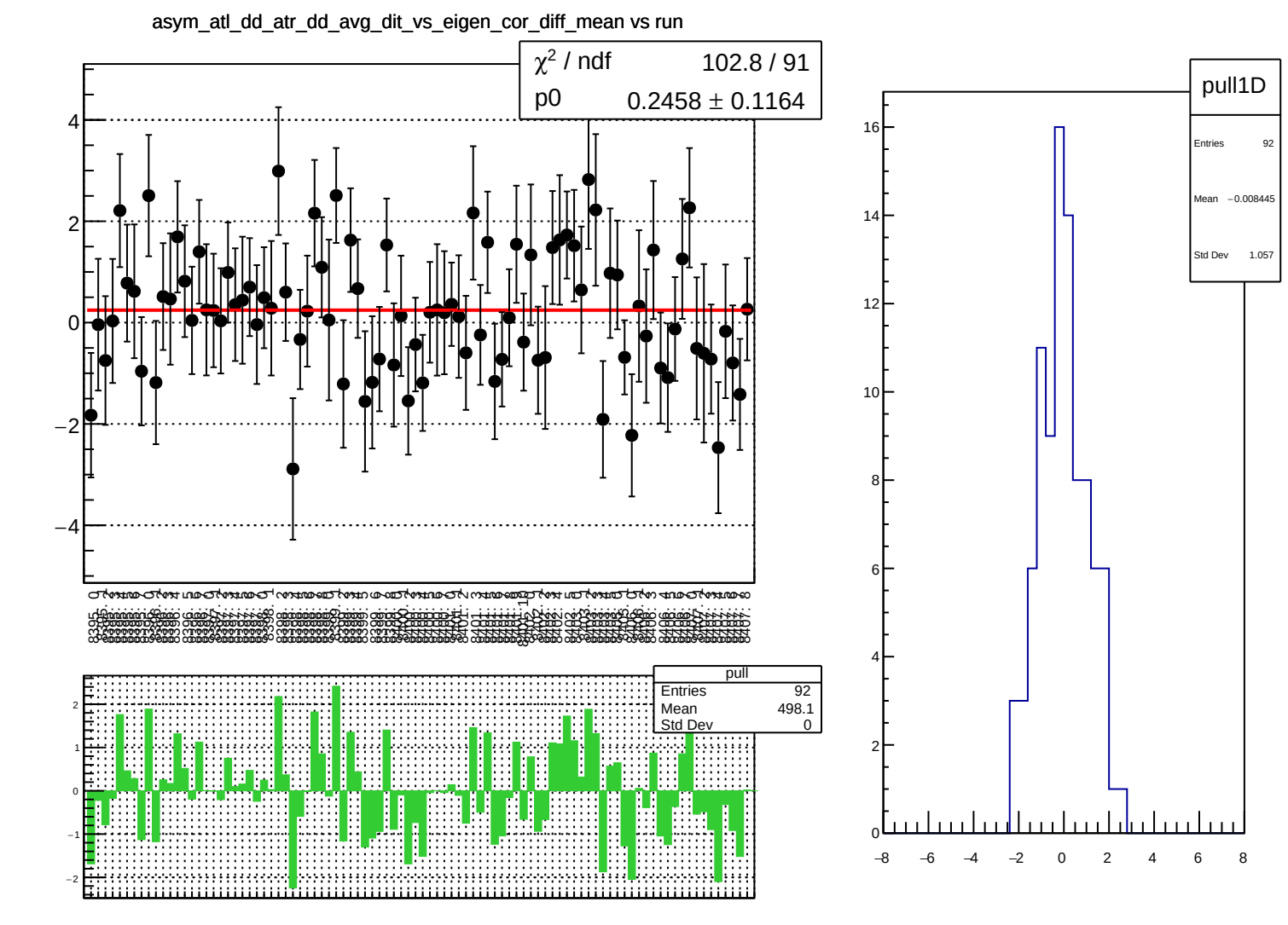

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.46 / 91
p0 −3.447e−14 ± 5.756e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 92
Mean 106.3
Std Dev 0
3
2
1
0
−1
−2

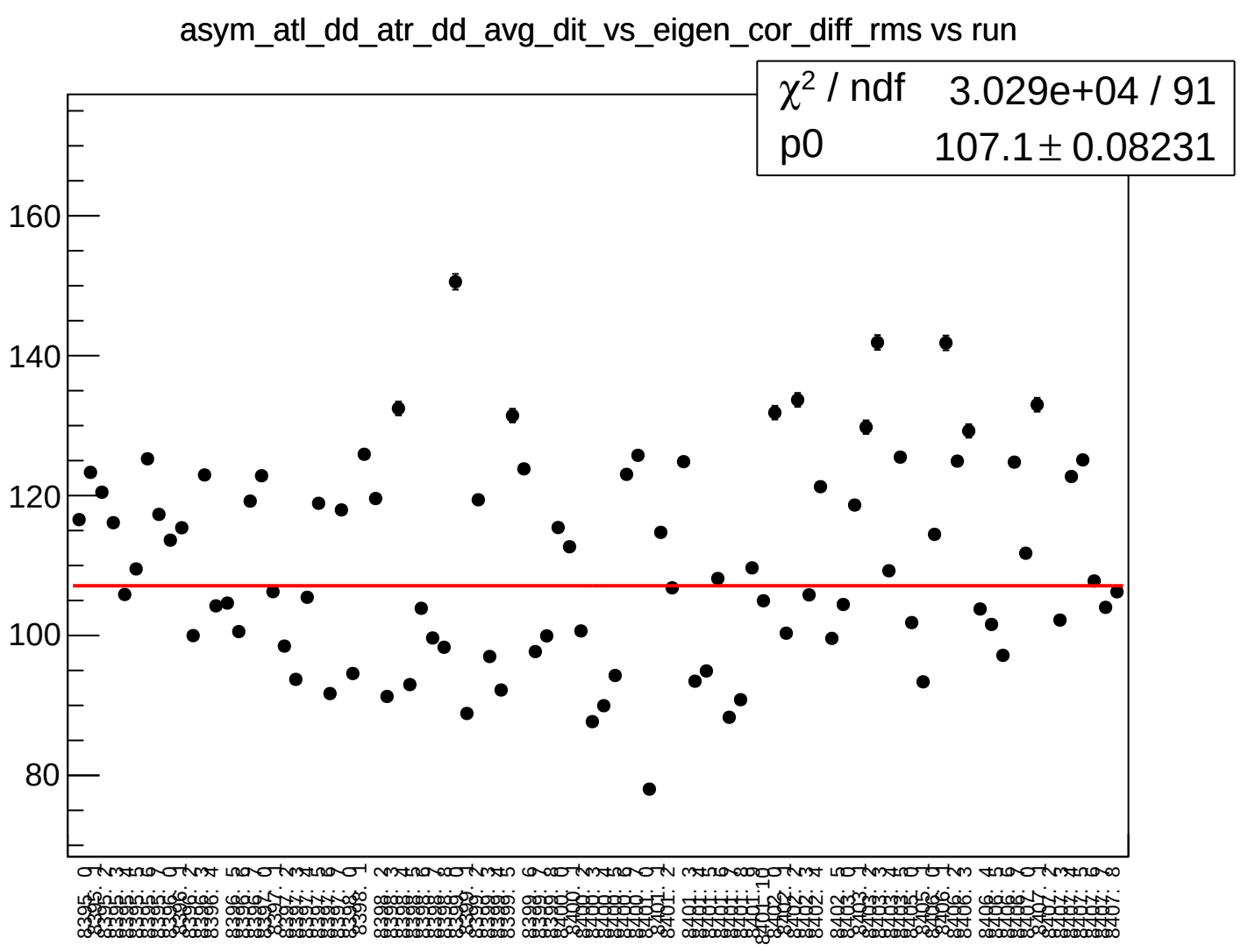

pull1D
Entries 92
Mean 0.04041
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

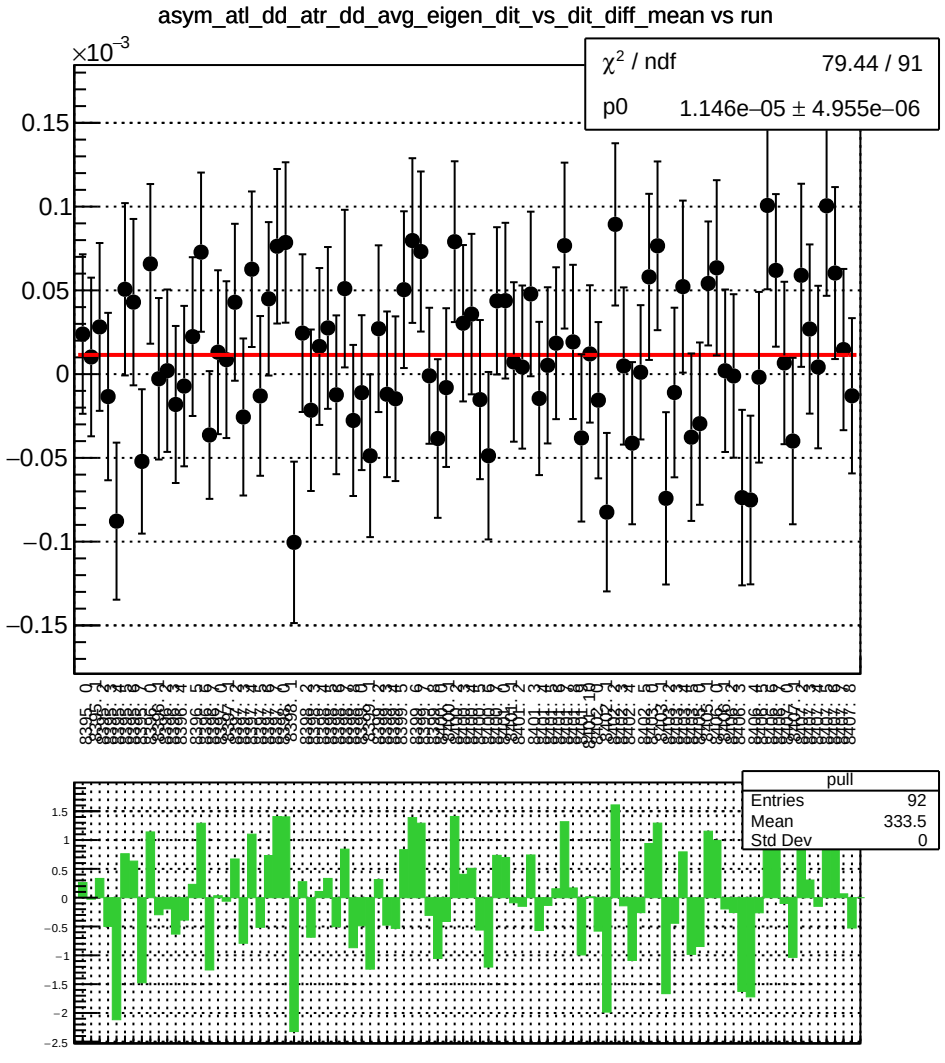

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.018e+06 / 91
p0 3.418e−10 ± 4.07e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

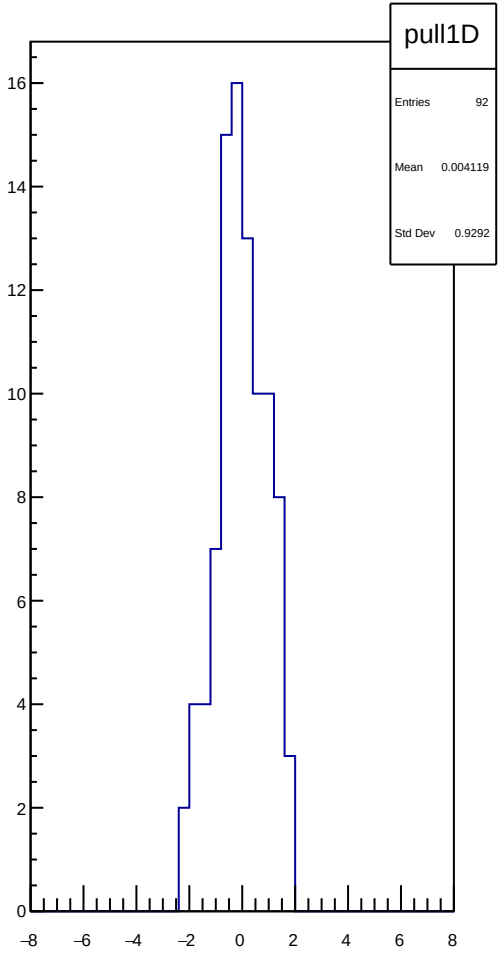

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008445
Std Dev 1.057

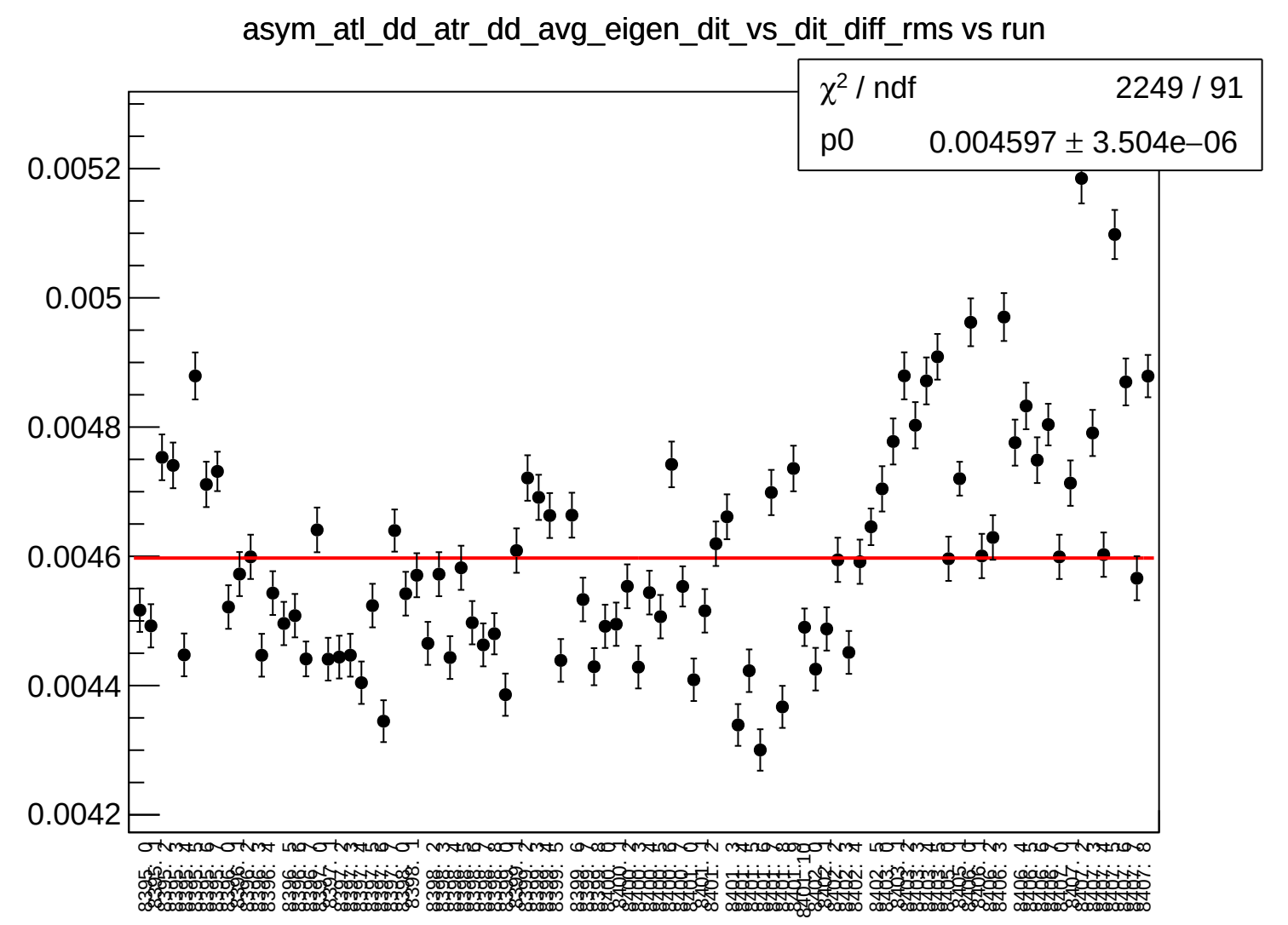

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

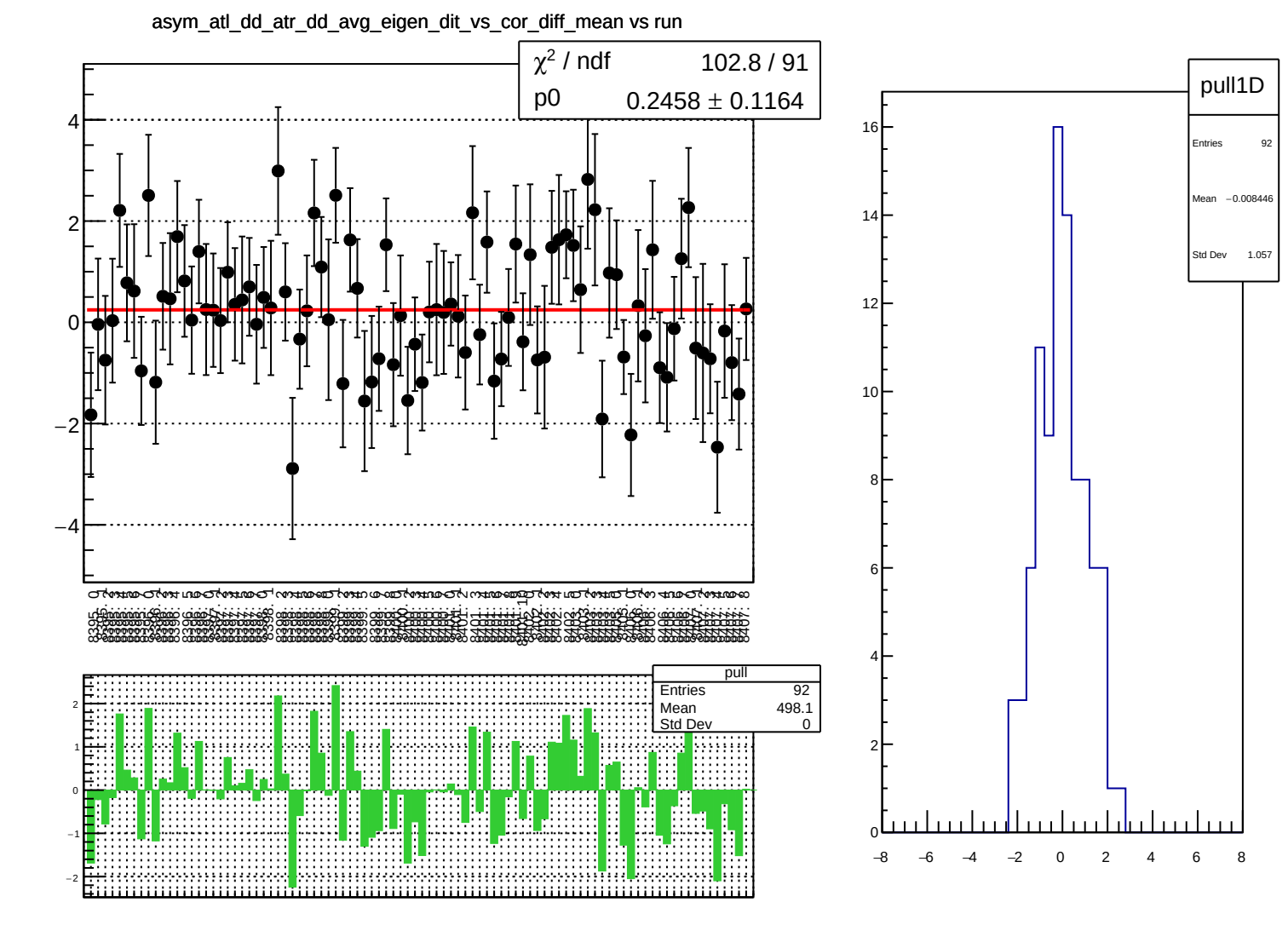

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008445
Std Dev 1.057

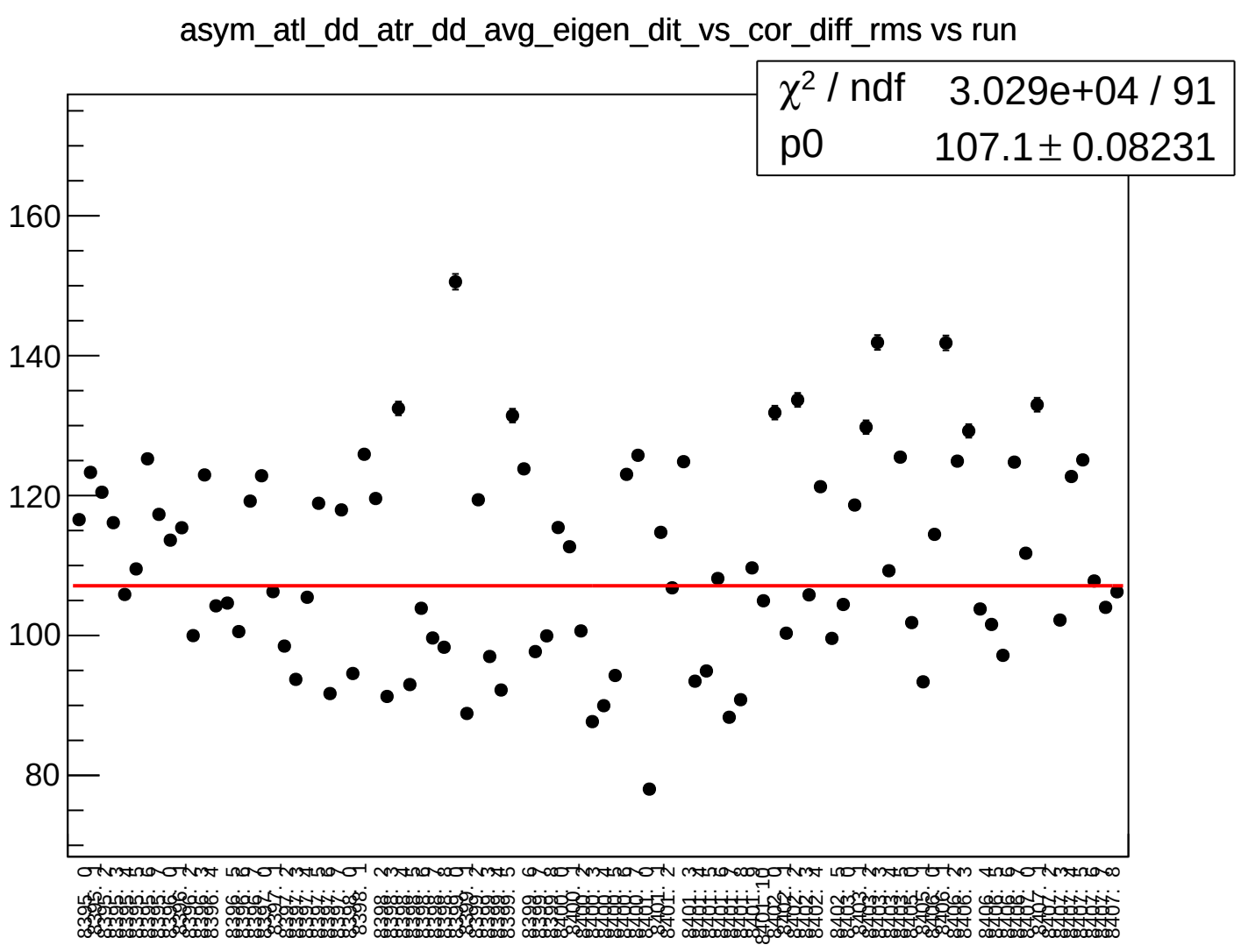

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

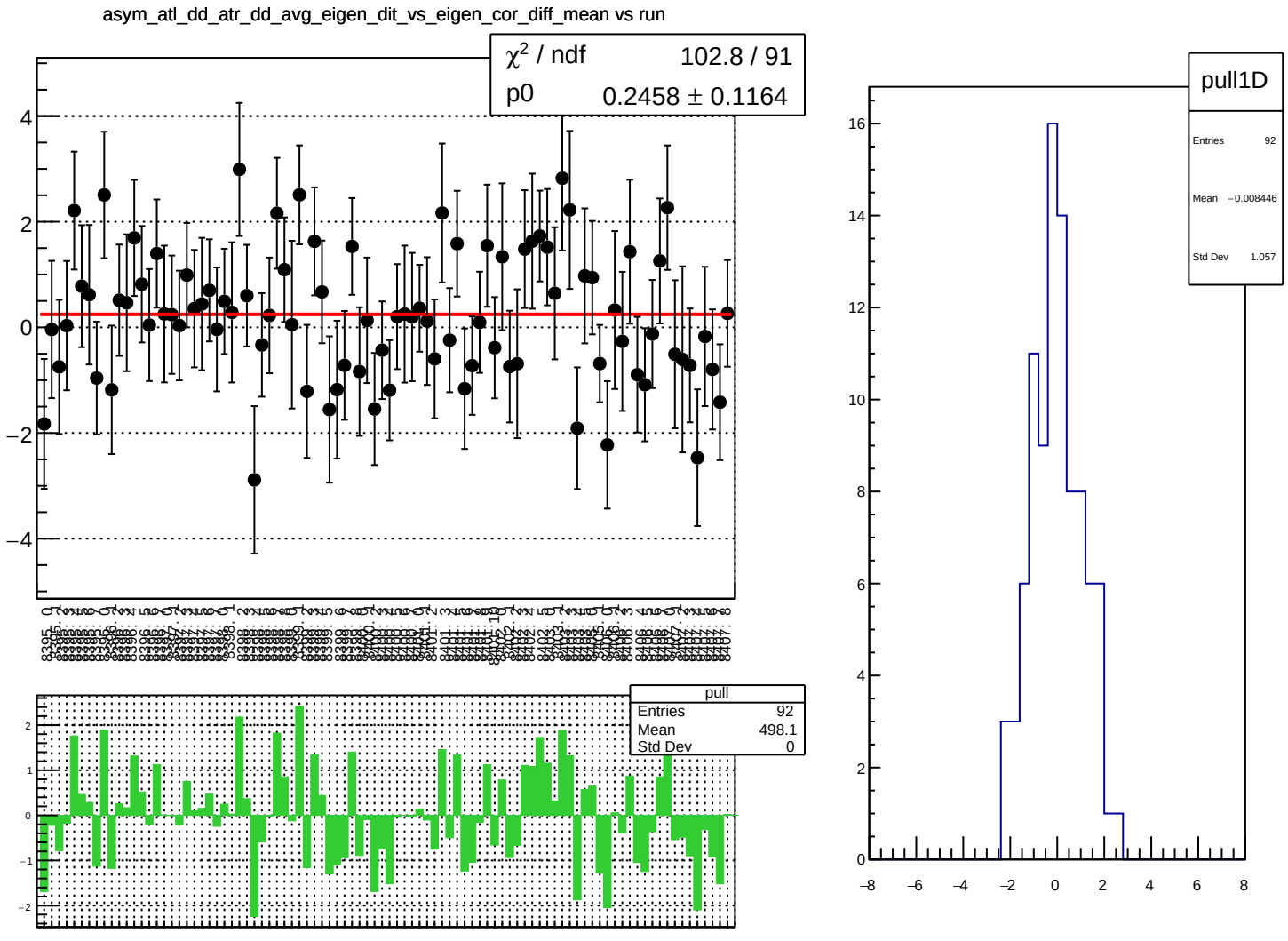

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.44 / 91
p0 1.146e−05 ± 4.955e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 333.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

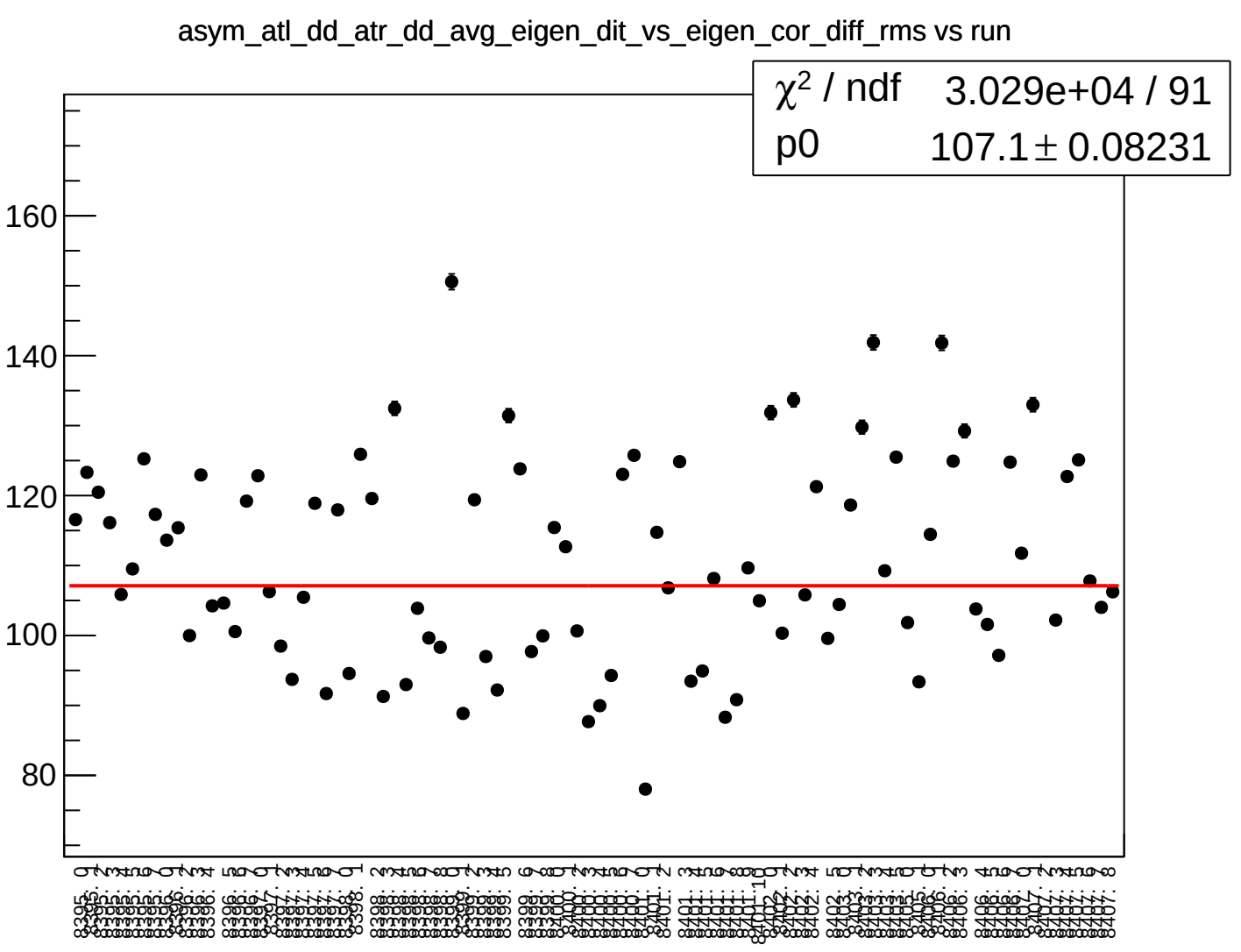

pull1D
Entries 92
Mean 0.004119
Std Dev 0.9292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

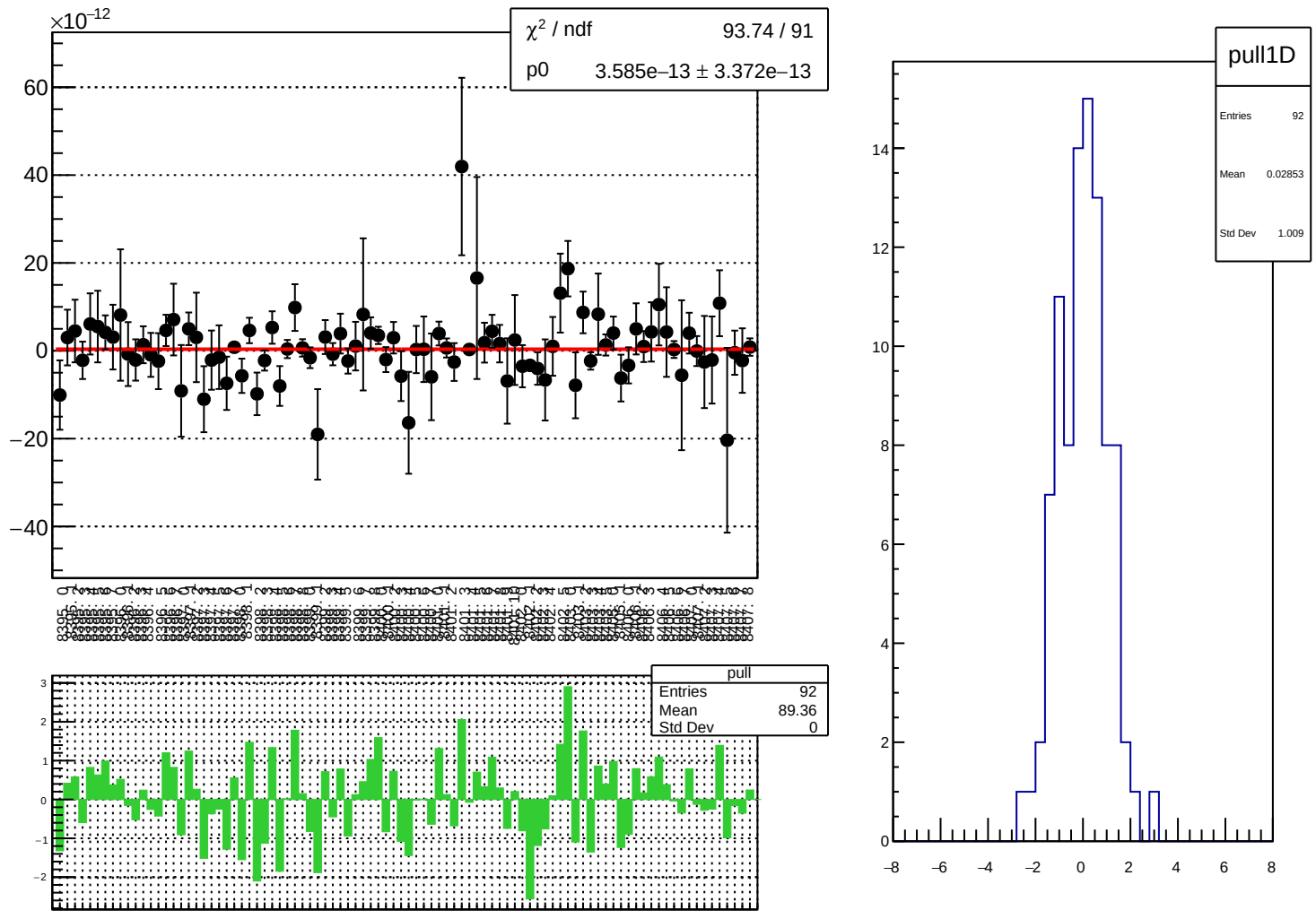

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2249 / 91
p0 0.004597 ± 3.504e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

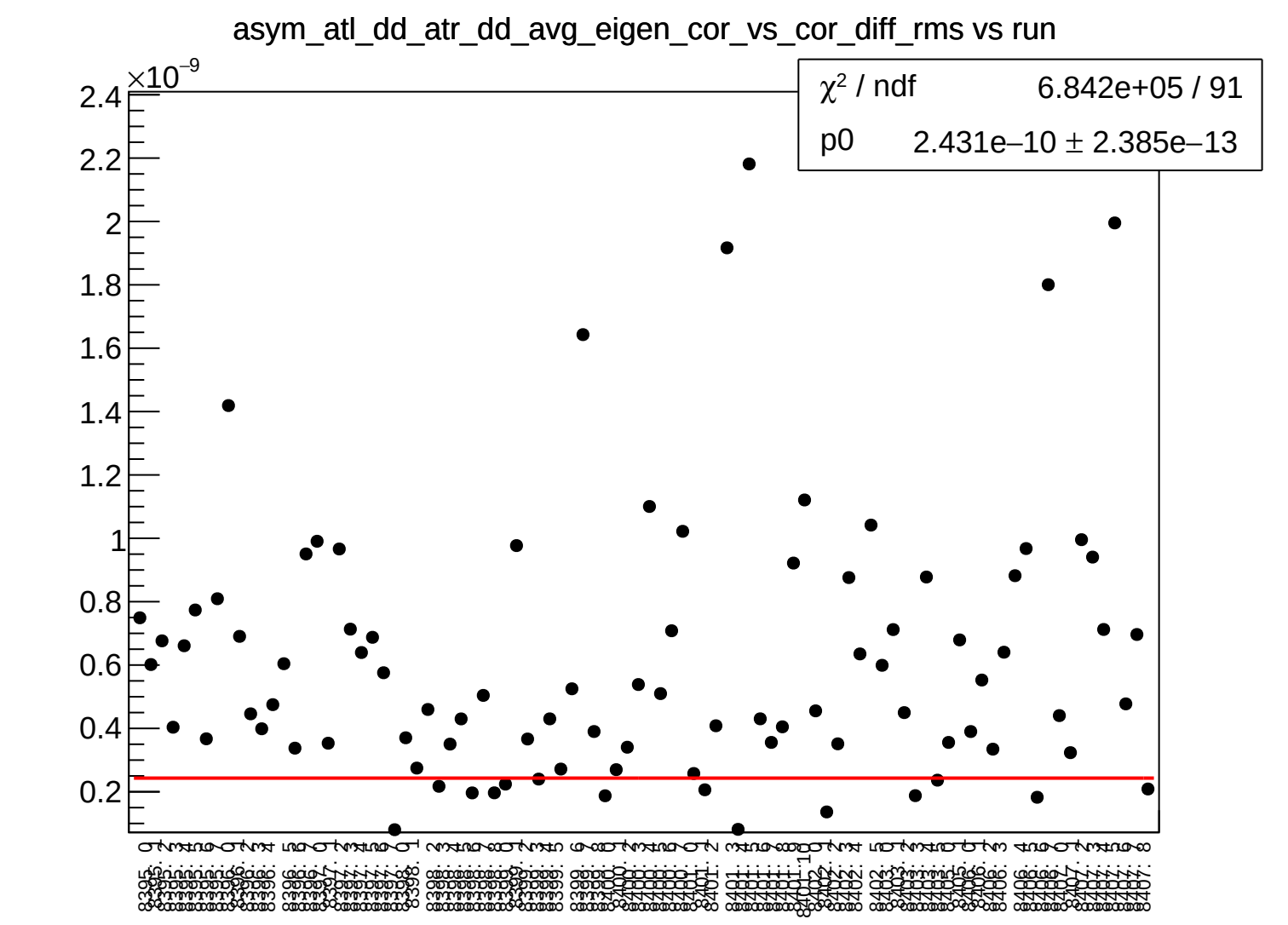

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008446
Std Dev 1.057

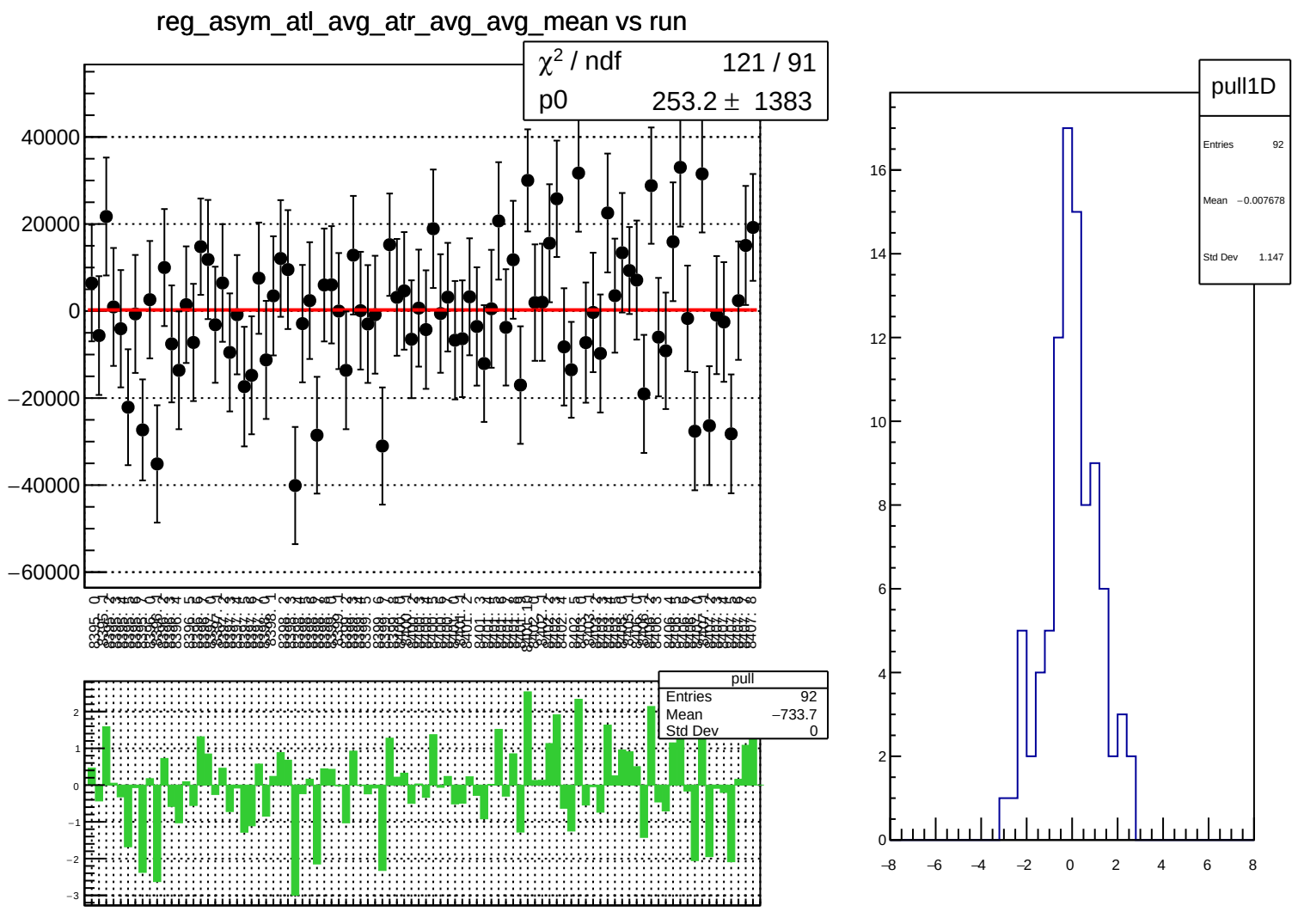

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

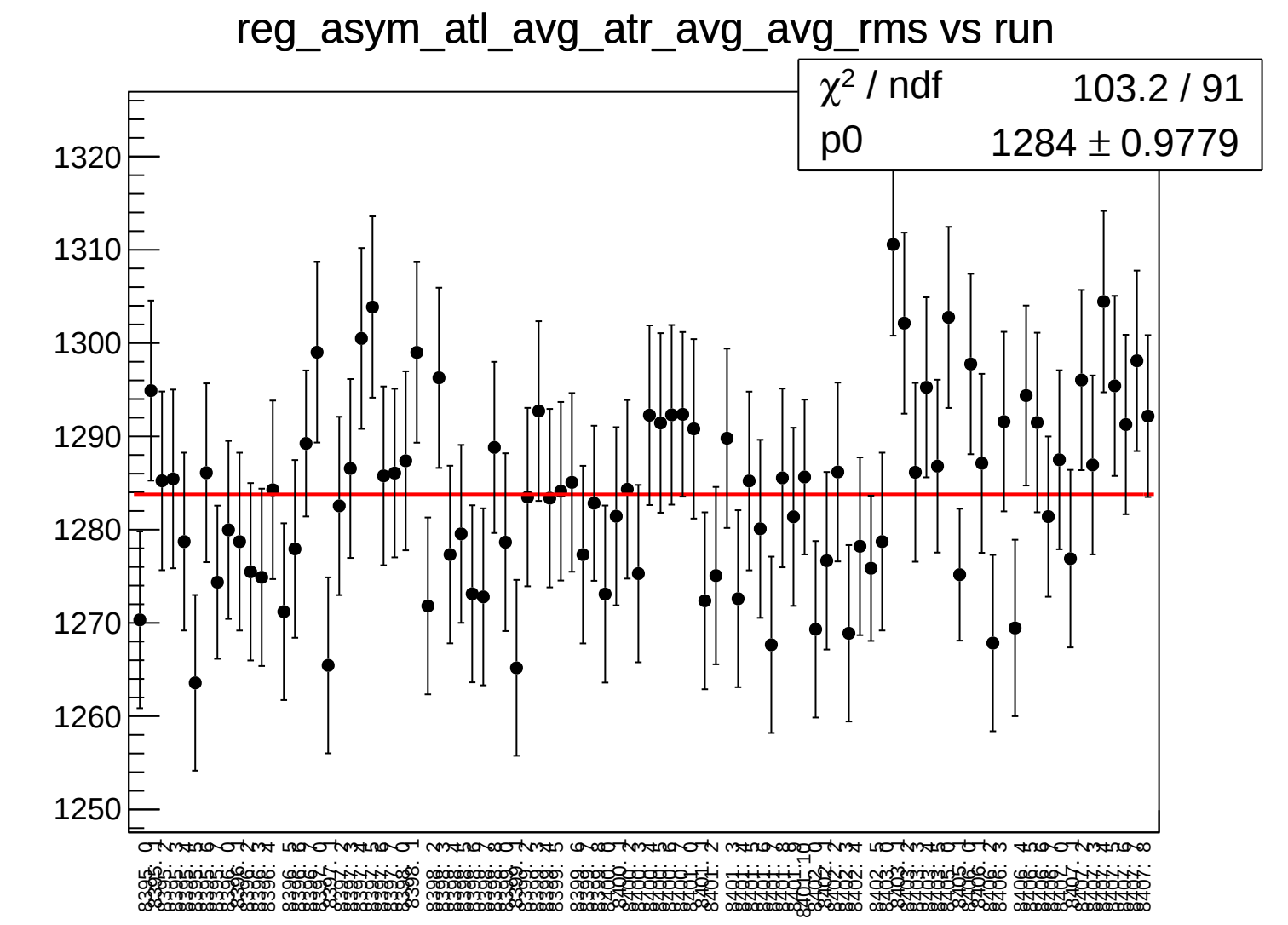

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008446
Std Dev 1.057

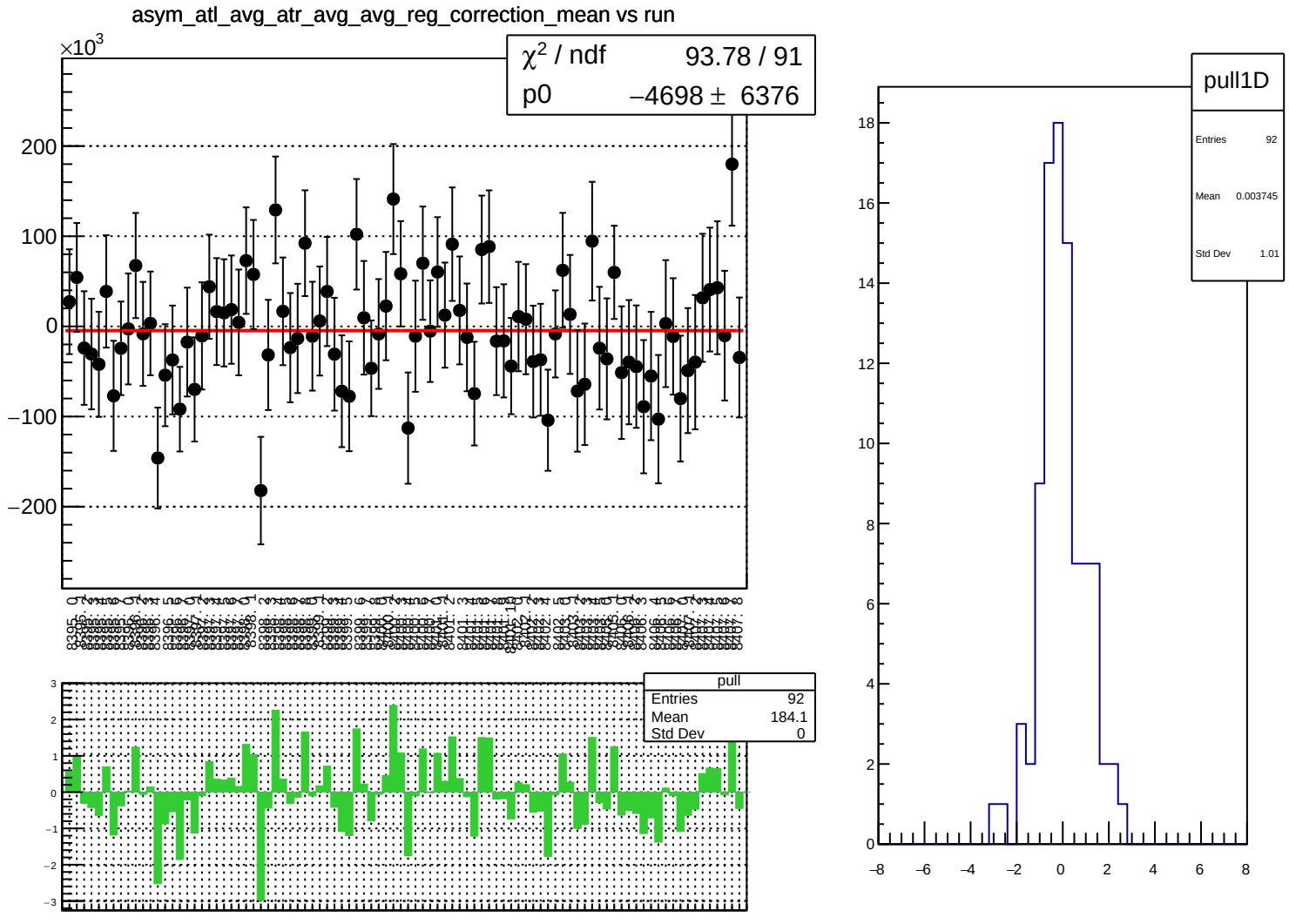

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

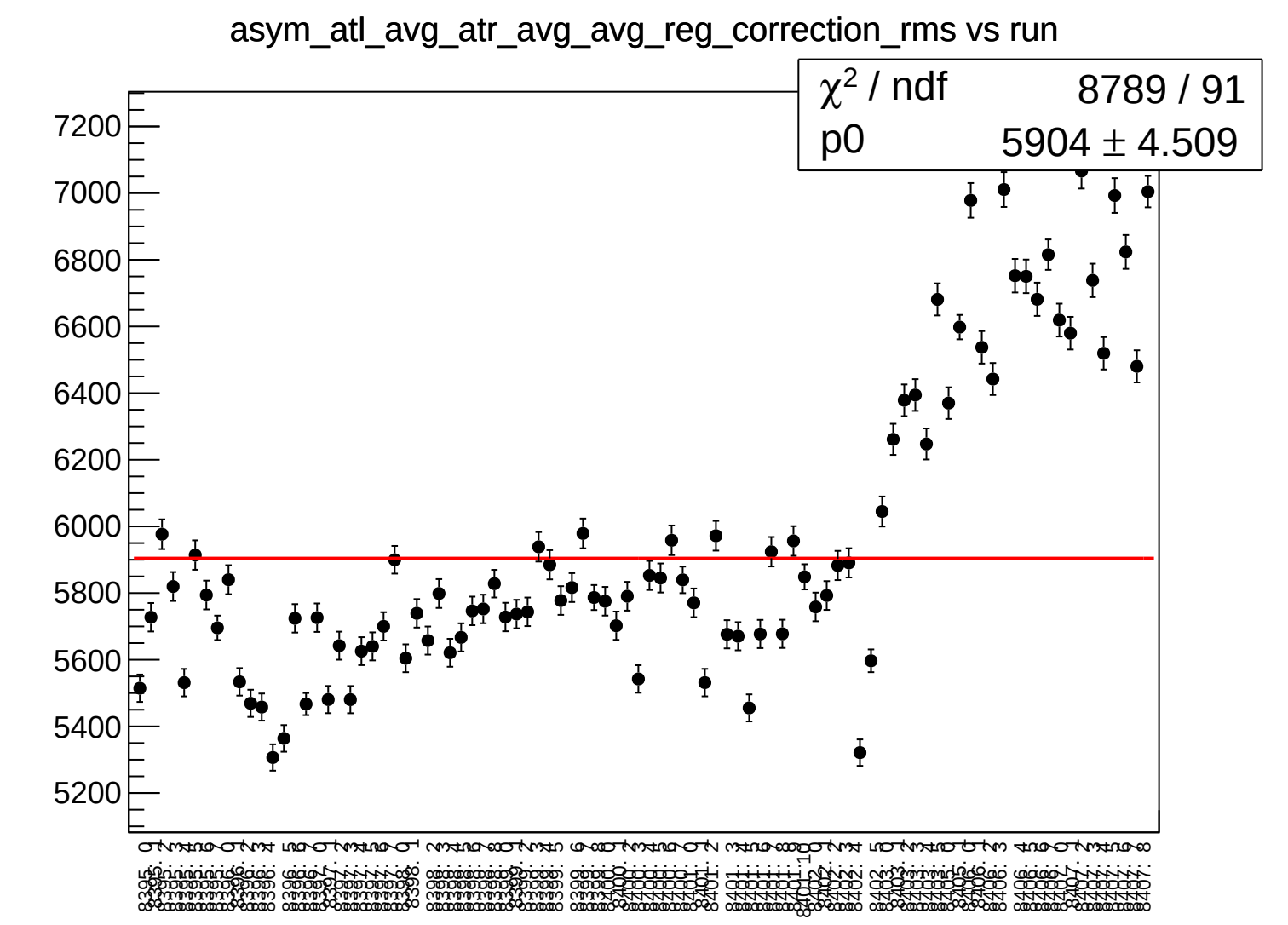

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.74 / 91
p0 3.585e−13 ± 3.372e−13
60
40
20
0
−20
−40
pull
Entries 92
Mean 89.36
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.02853
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

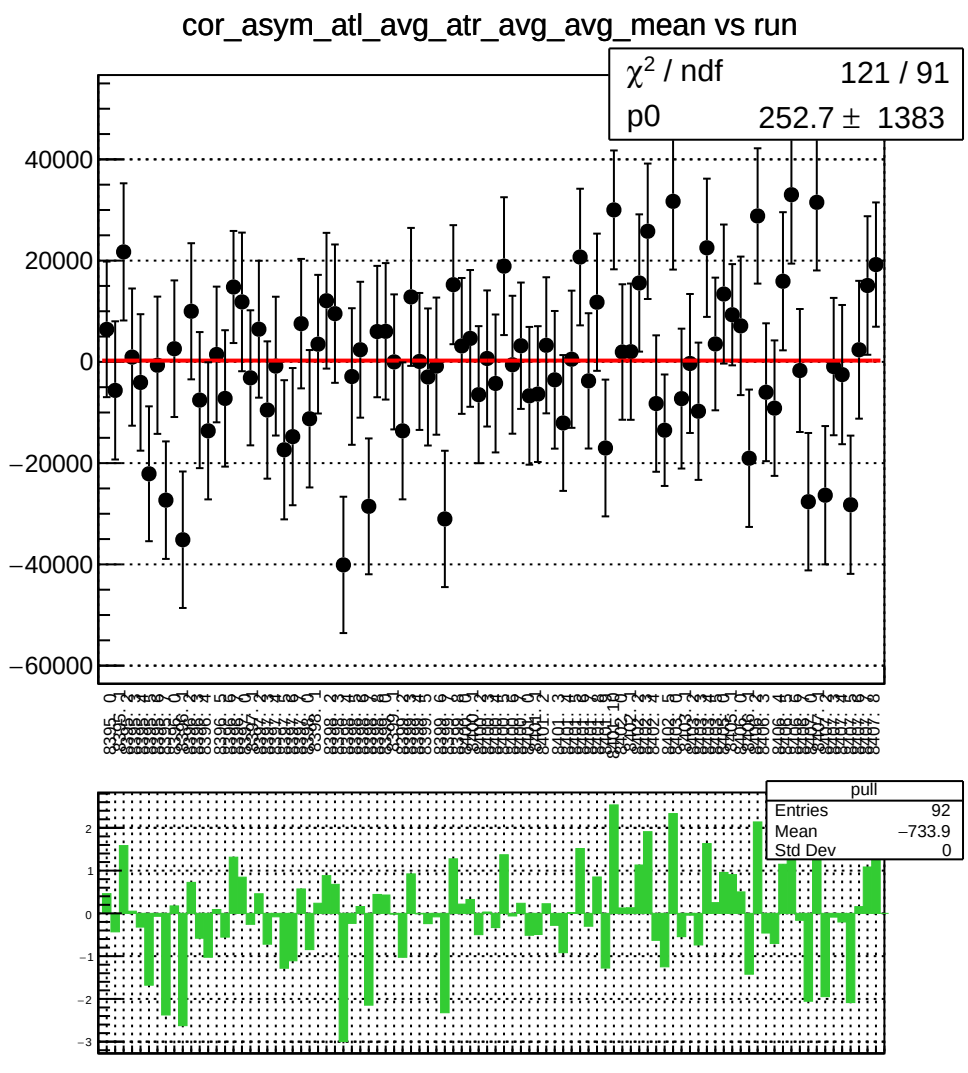

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.842e+05 / 91
p0 2.431e−10 ± 2.385e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

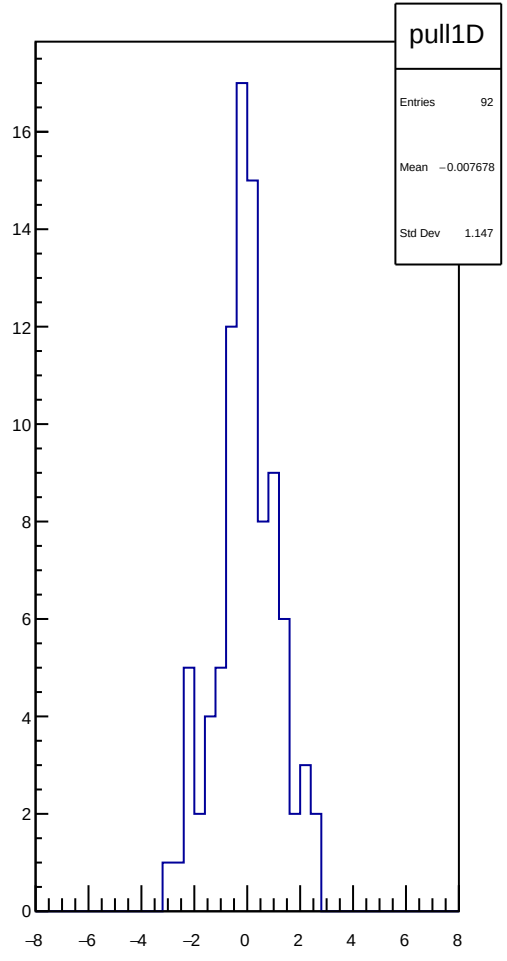

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 121 / 91
p0 253.2 ± 1383
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −733.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.007678
Std Dev 1.147
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

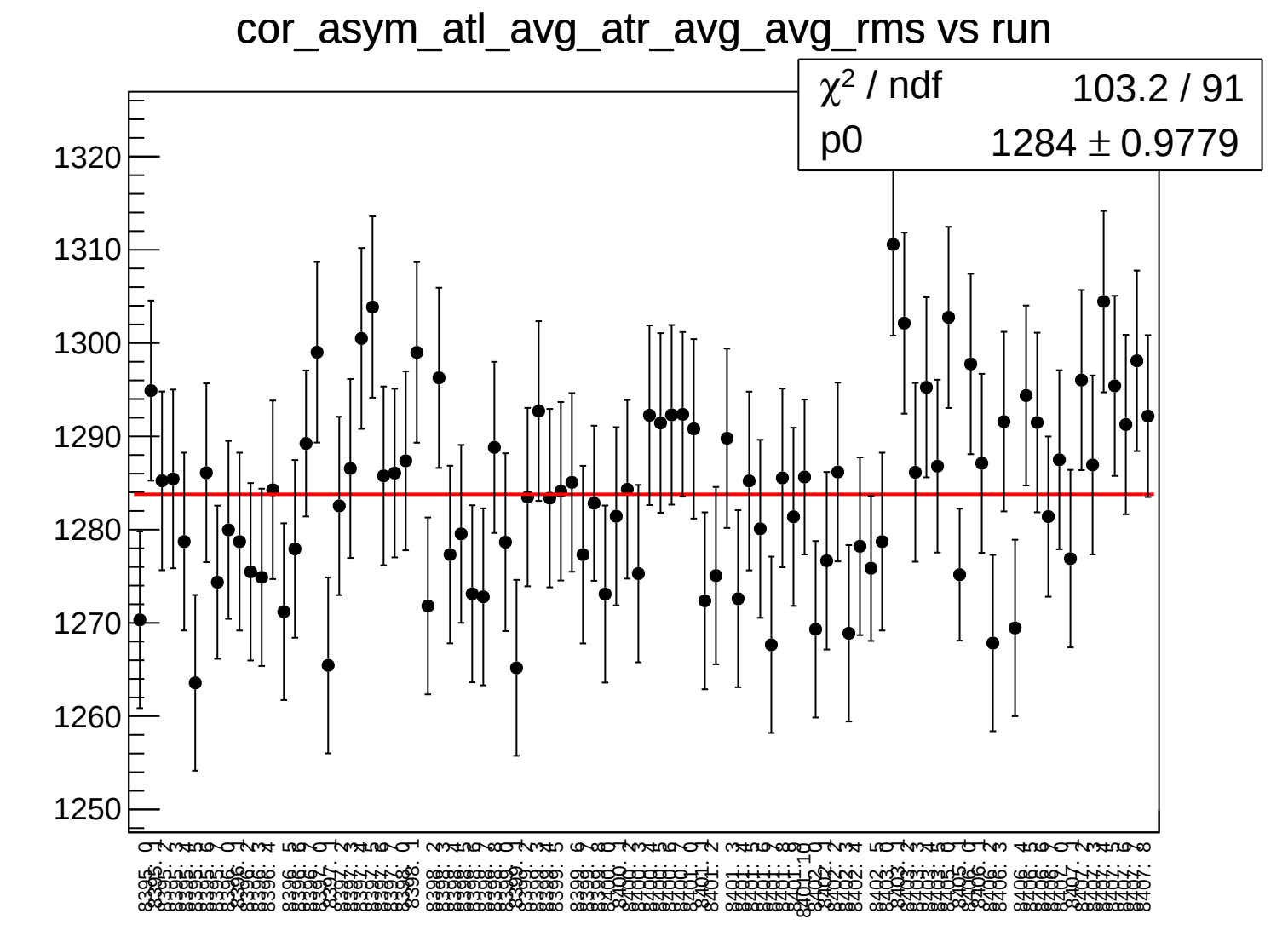

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 103.2 / 91
p0 1284 ± 0.9779
1320
1310
1300
1290
1280
1270
1260
1250

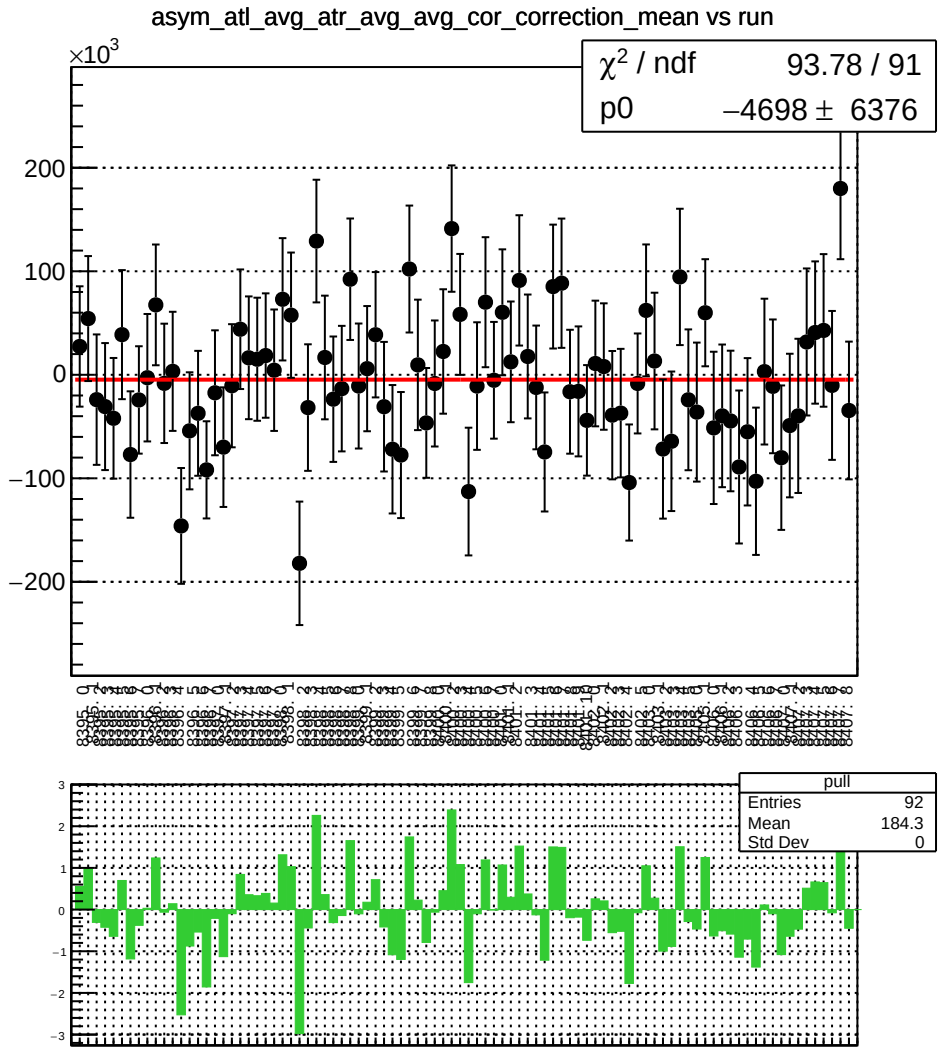

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 93.78 / 91
p0 −4698 ± 6376
200
100
0
−100
−200
pull
Entries 92
Mean 184.1
Std Dev 0
pull1D
Entries 92
Mean 0.003745
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

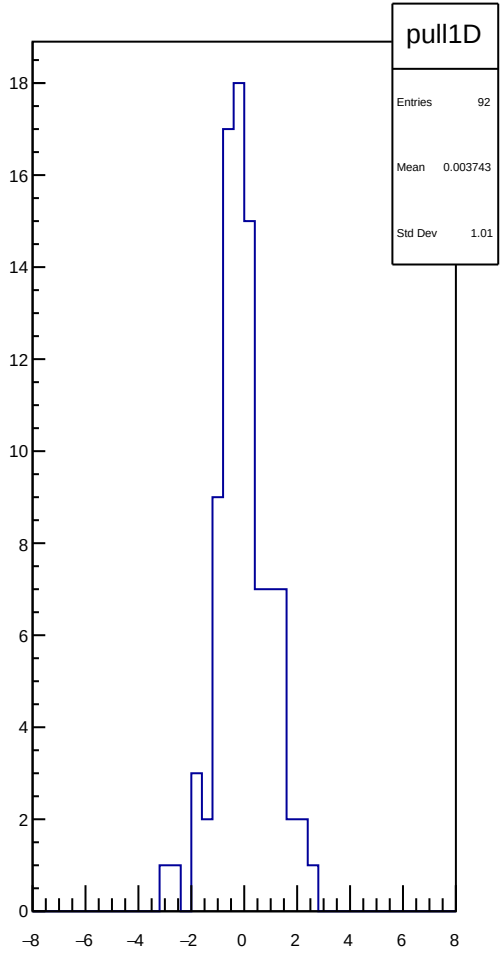

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 8789 / 91
p0 5904 ± 4.509
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

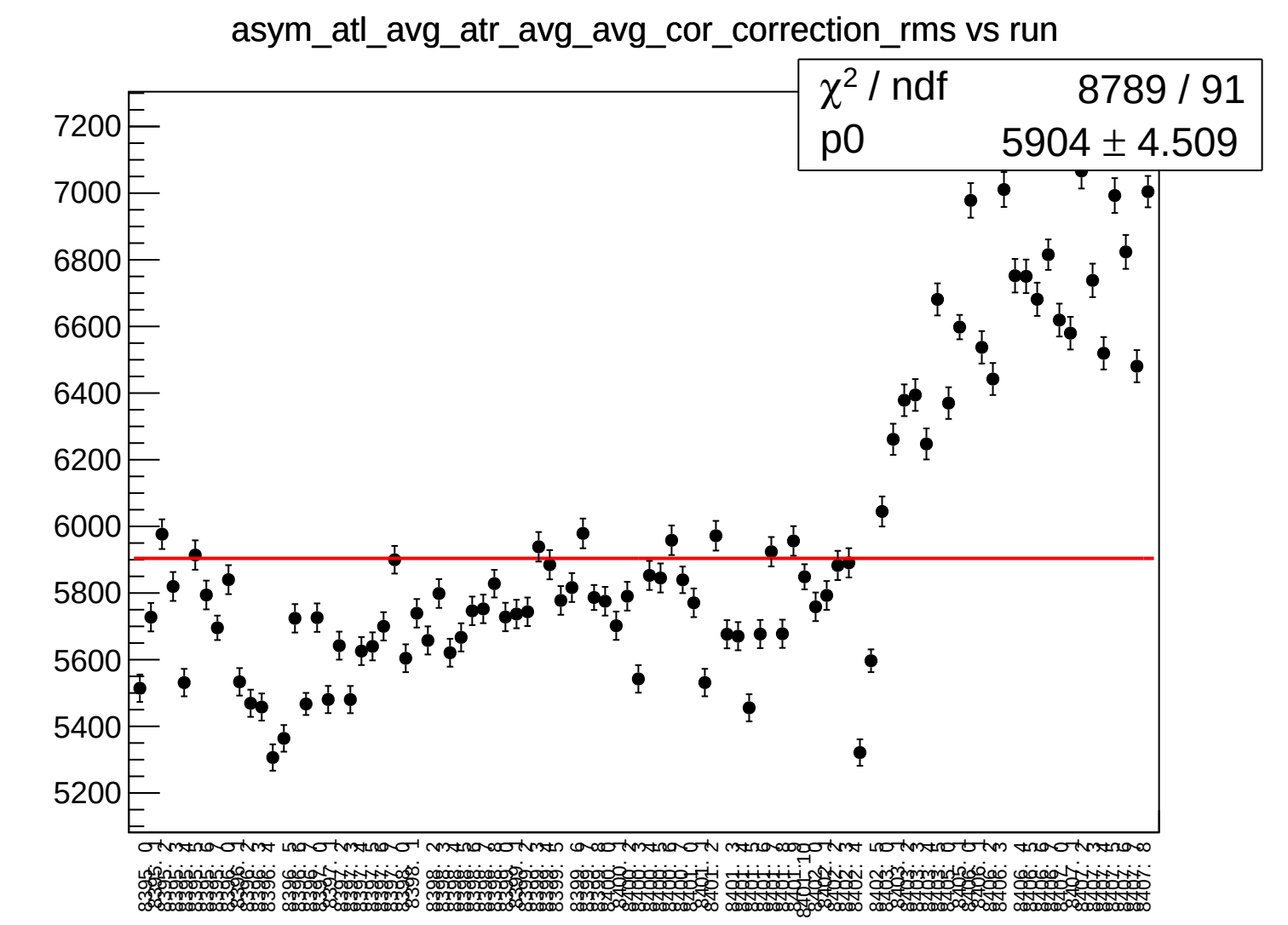

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 121 / 91
p0 252.7 ± 1383
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −733.9
Std Dev 0
2
1
0
−1
−2
−3

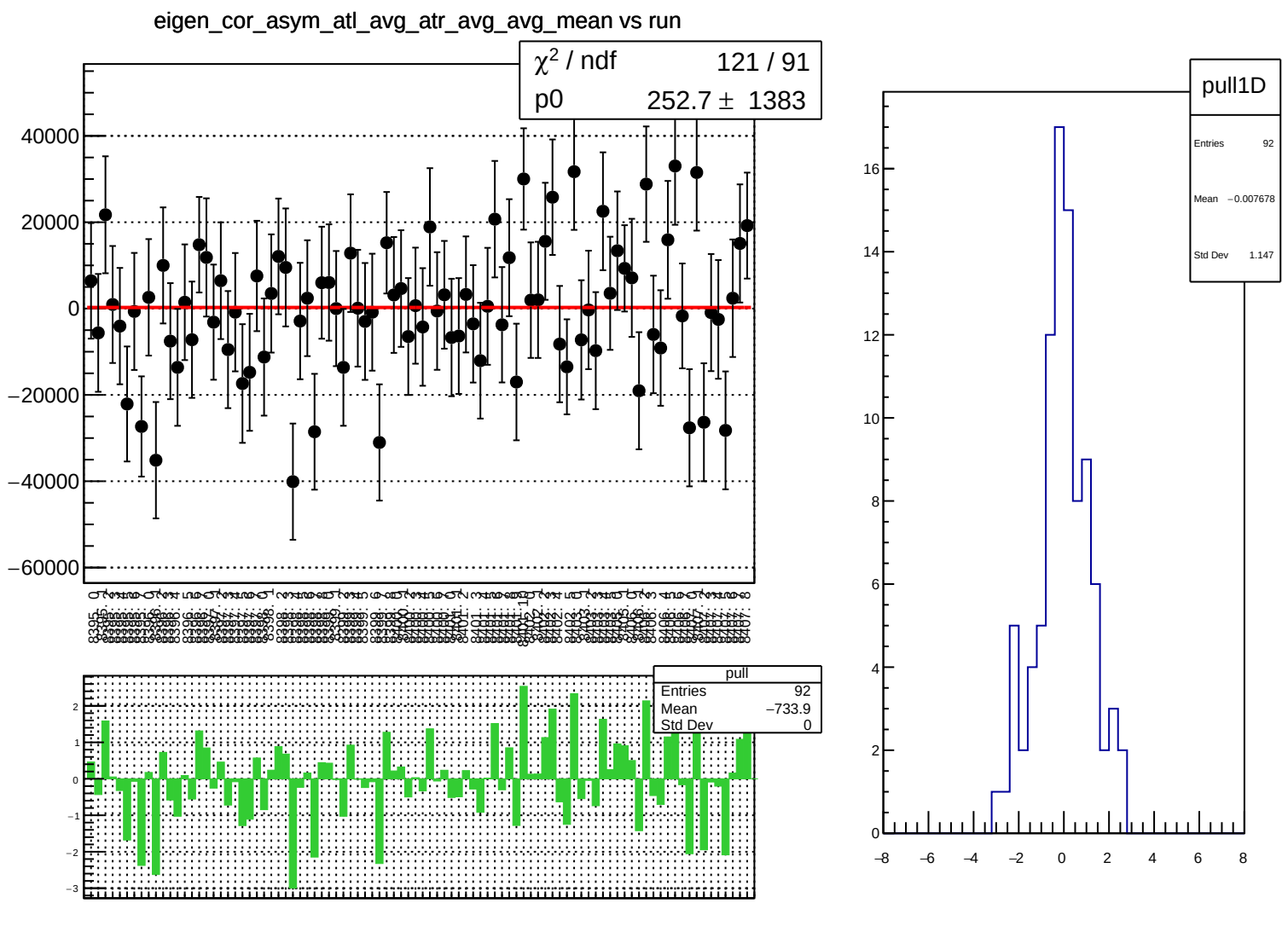

pull1D
Entries 92
Mean −0.007678
Std Dev 1.147
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

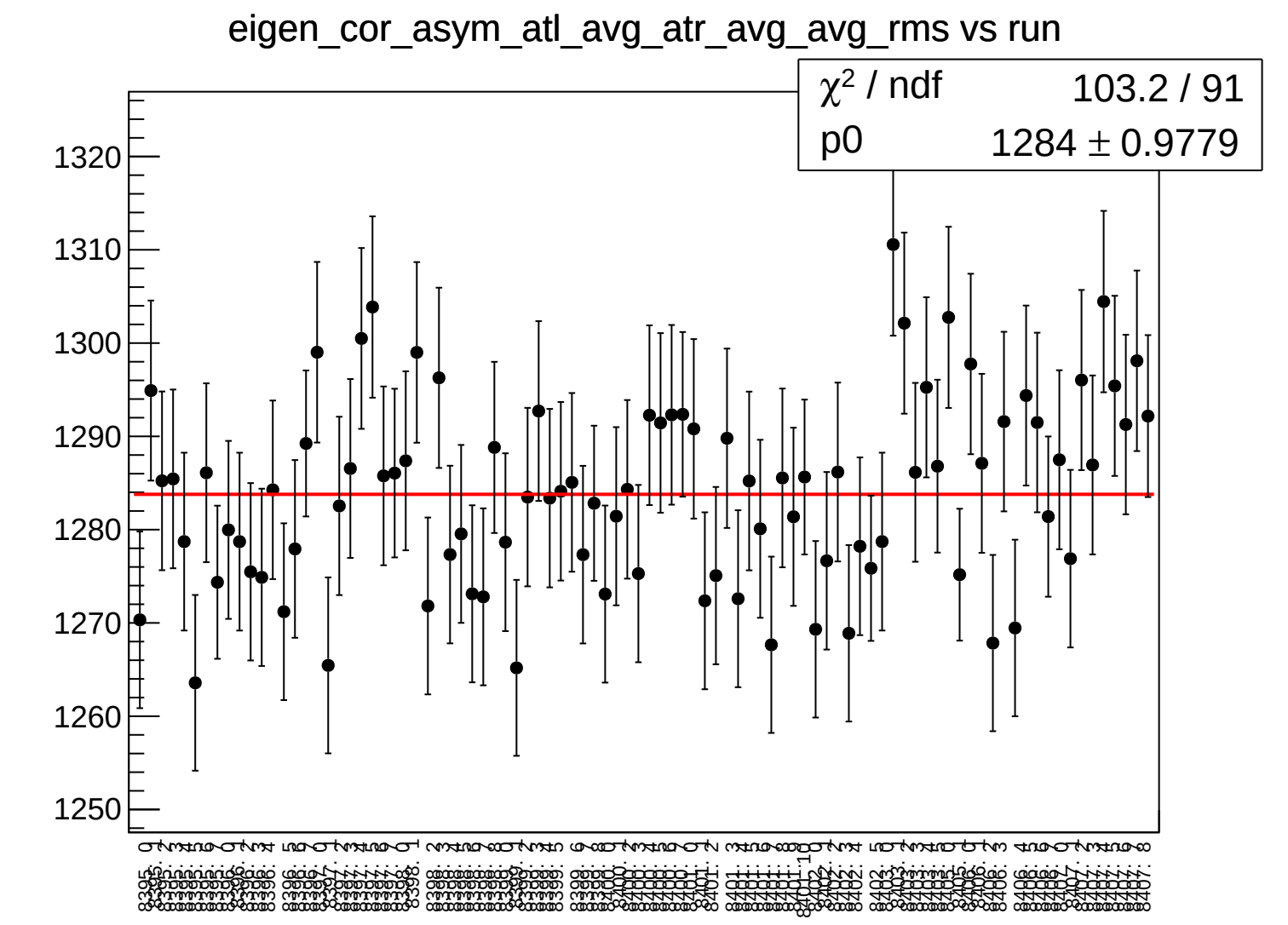

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 103.2 / 91
p0 1284 ± 0.9779
1320
1310
1300
1290
1280
1270
1260
1250

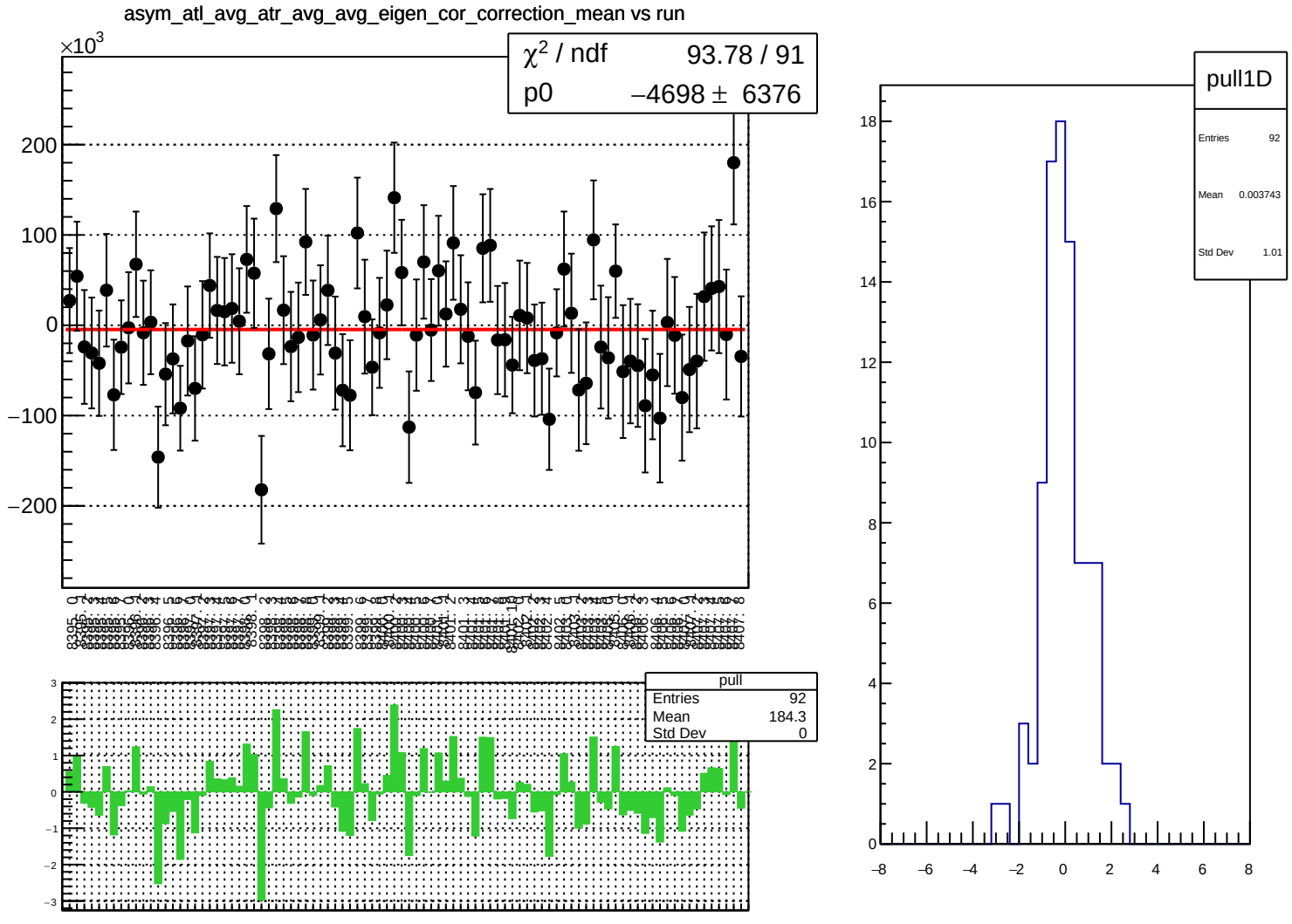

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 93.78 / 91
p0 −4698 ± 6376
200
100
0
−100
−200
pull
Entries 92
Mean 184.3
Std Dev 0
3
2
1
0
−1
−2
−3

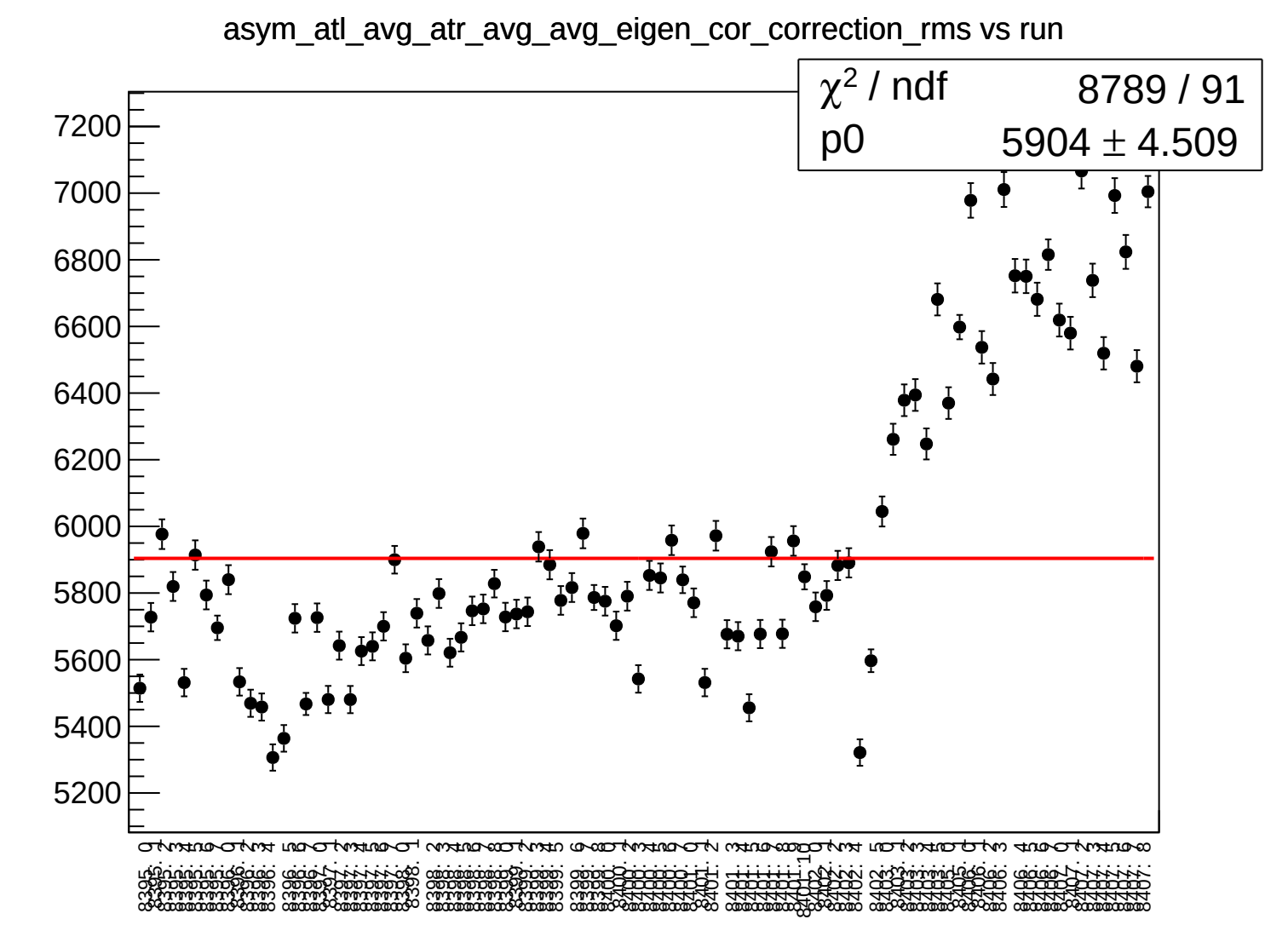

pull1D
Entries 92
Mean 0.003743
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

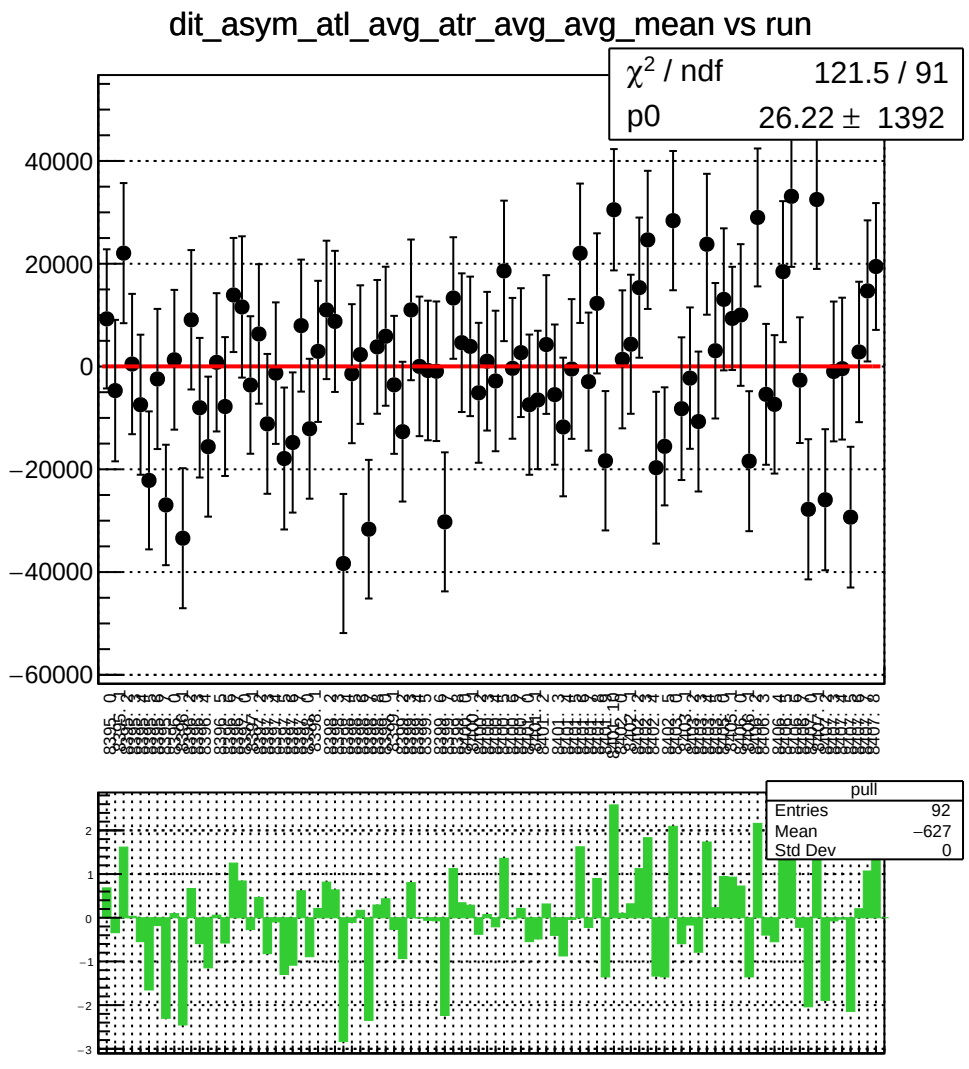

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 8789 / 91
p0 5904 ± 4.509
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

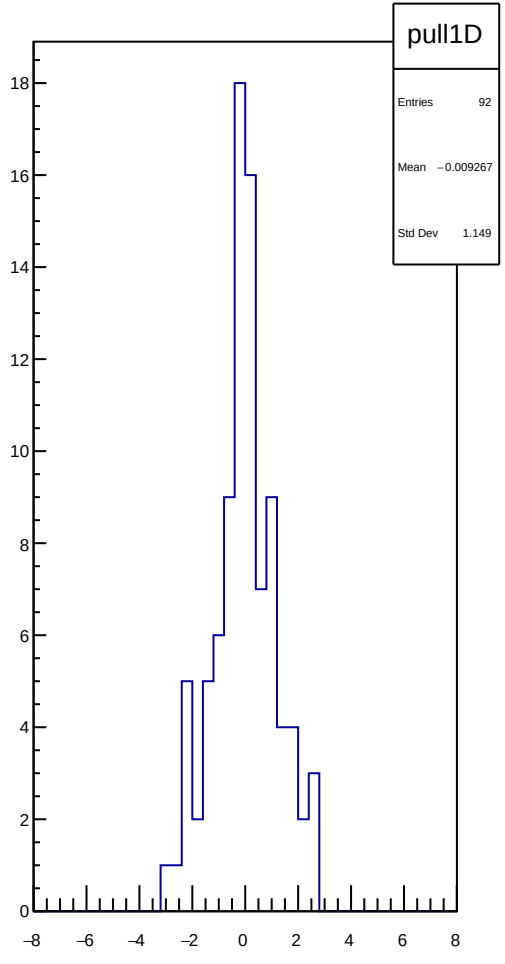

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 121 / 91
p0 252.7 ± 1383
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −733.9
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.007678
Std Dev 1.147
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

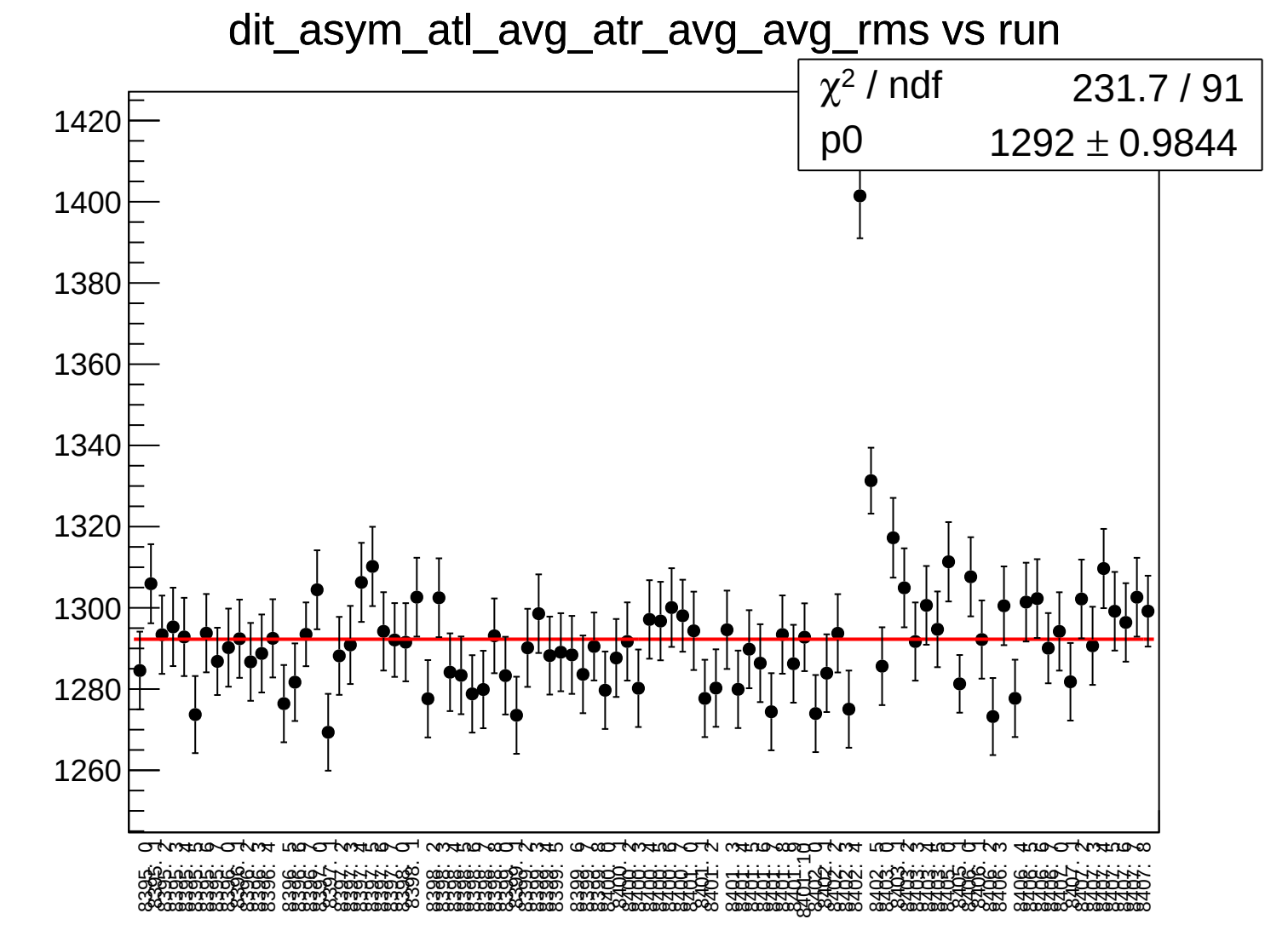

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 103.2 / 91
p0 1284 ± 0.9779
1320
1310
1300
1290
1280
1270
1260
1250

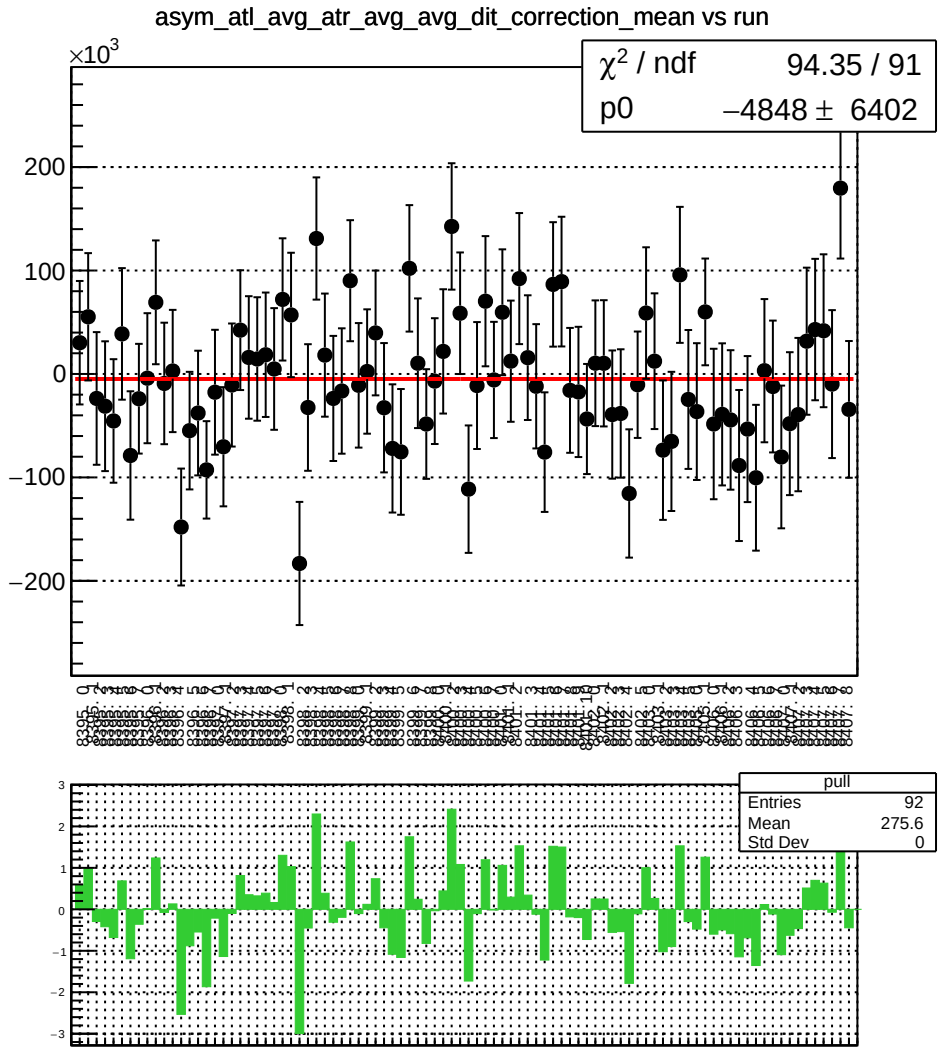

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 93.78 / 91
p0 −4698 ± 6376
200
100
0
−100
−200
pull
Entries 92
Mean 184.3
Std Dev 0
pull1D
Entries 92
Mean 0.003743
Std Dev 1.01

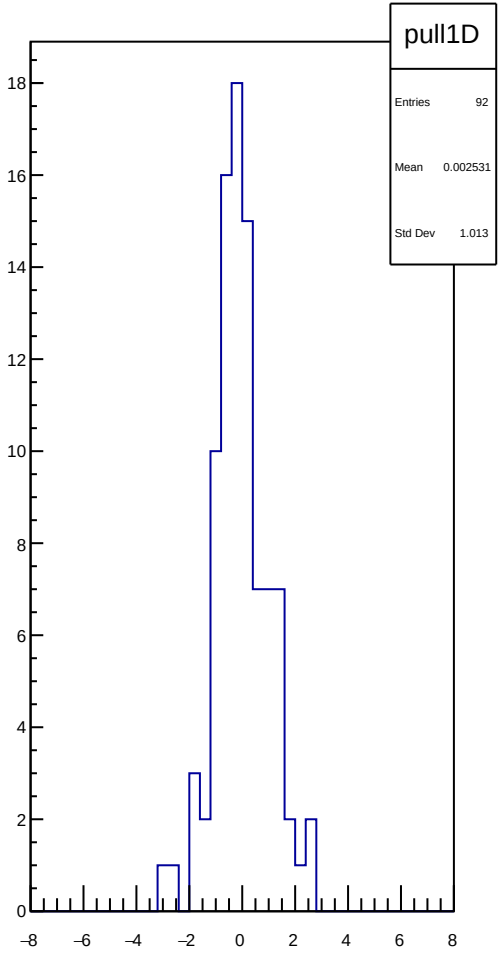

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8789 / 91
p0 5904 ± 4.509
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

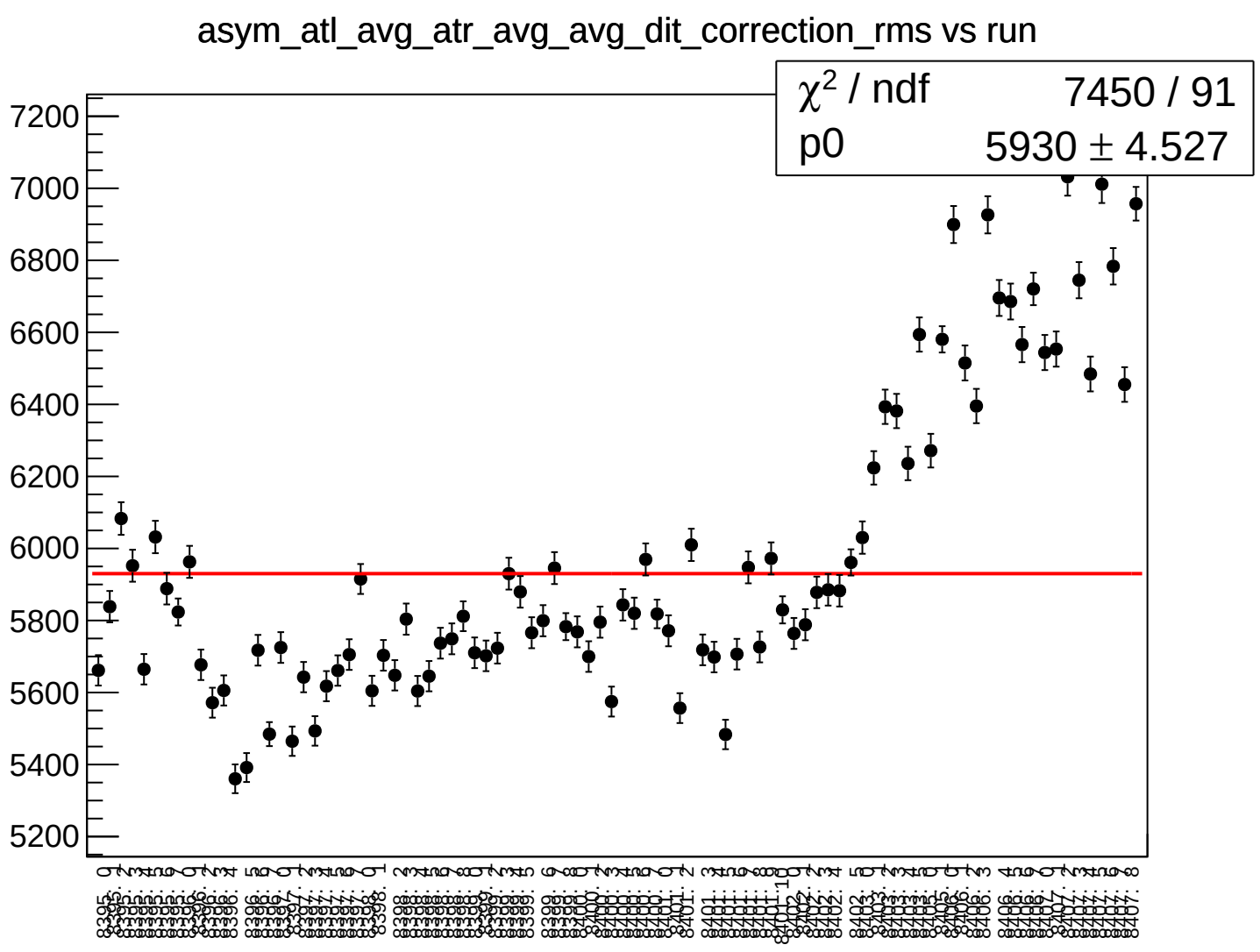

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 121.5 / 91
p0 26.22 ± 1392
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −627
Std Dev 0
2
1
0
−1
−2
−3

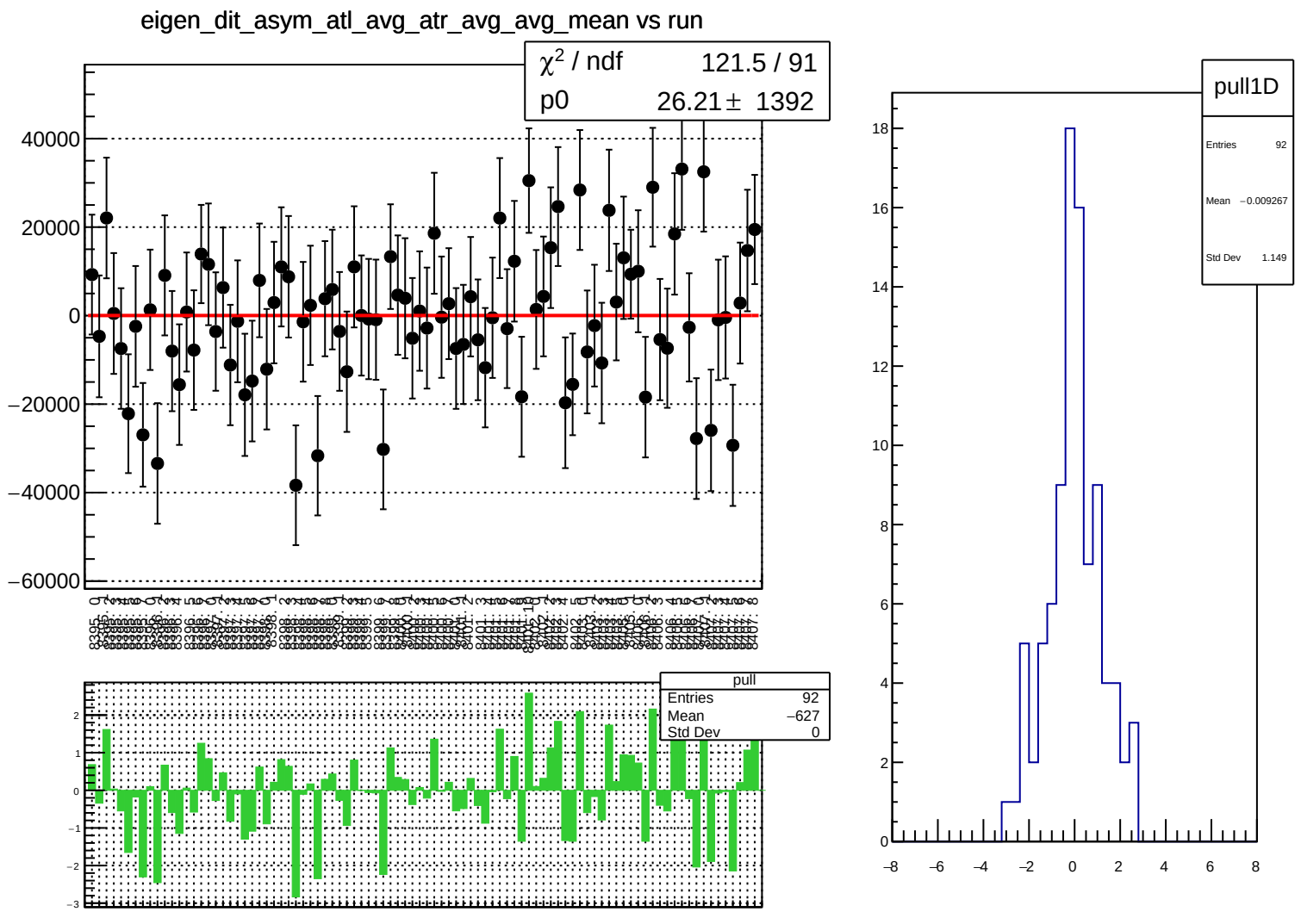

pull1D
Entries 92
Mean −0.009267
Std Dev 1.149
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

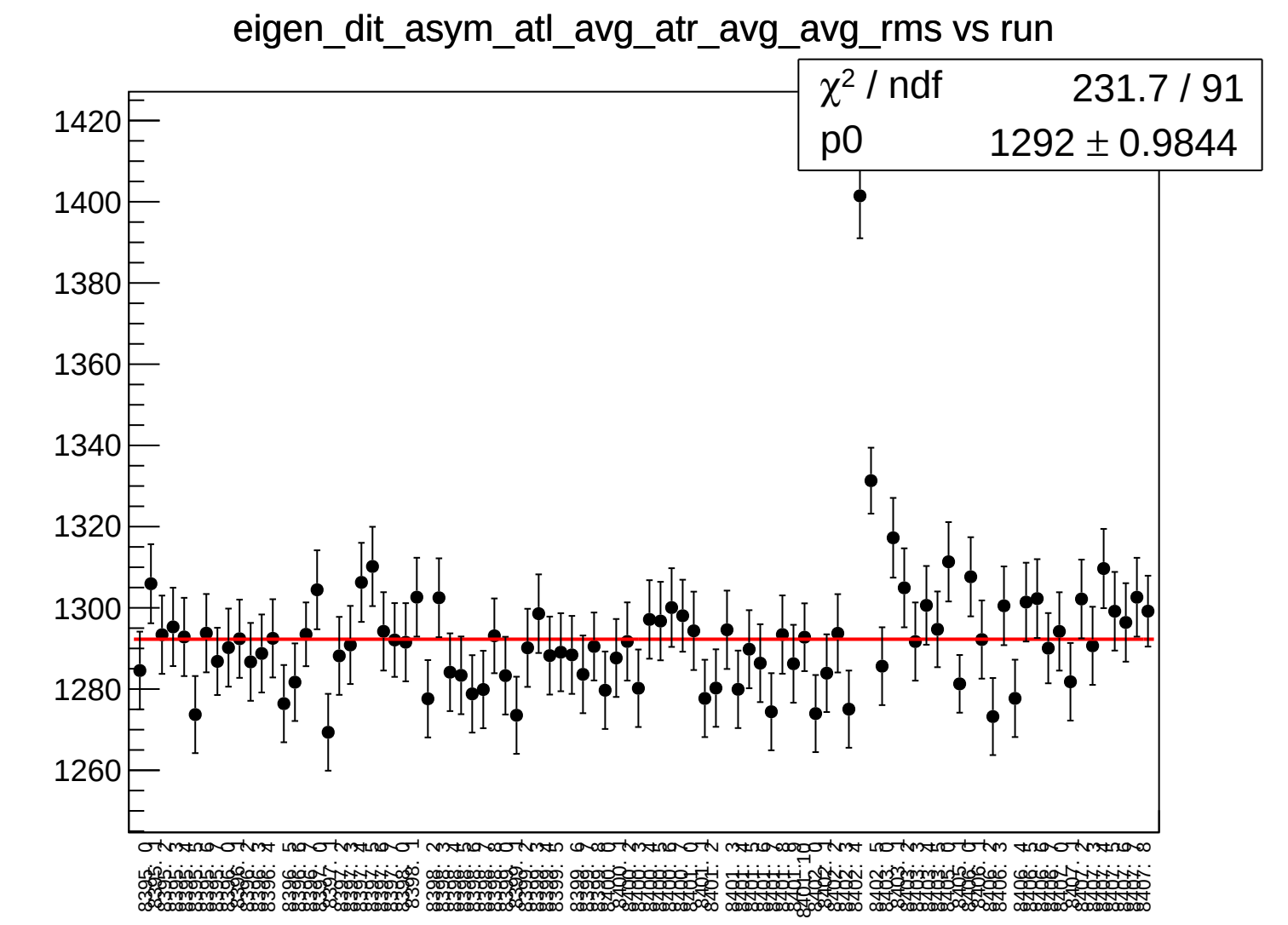

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 231.7 / 91
p0 1292 ± 0.9844
1420
1400
1380
1360
1340
1320
1300
1280
1260

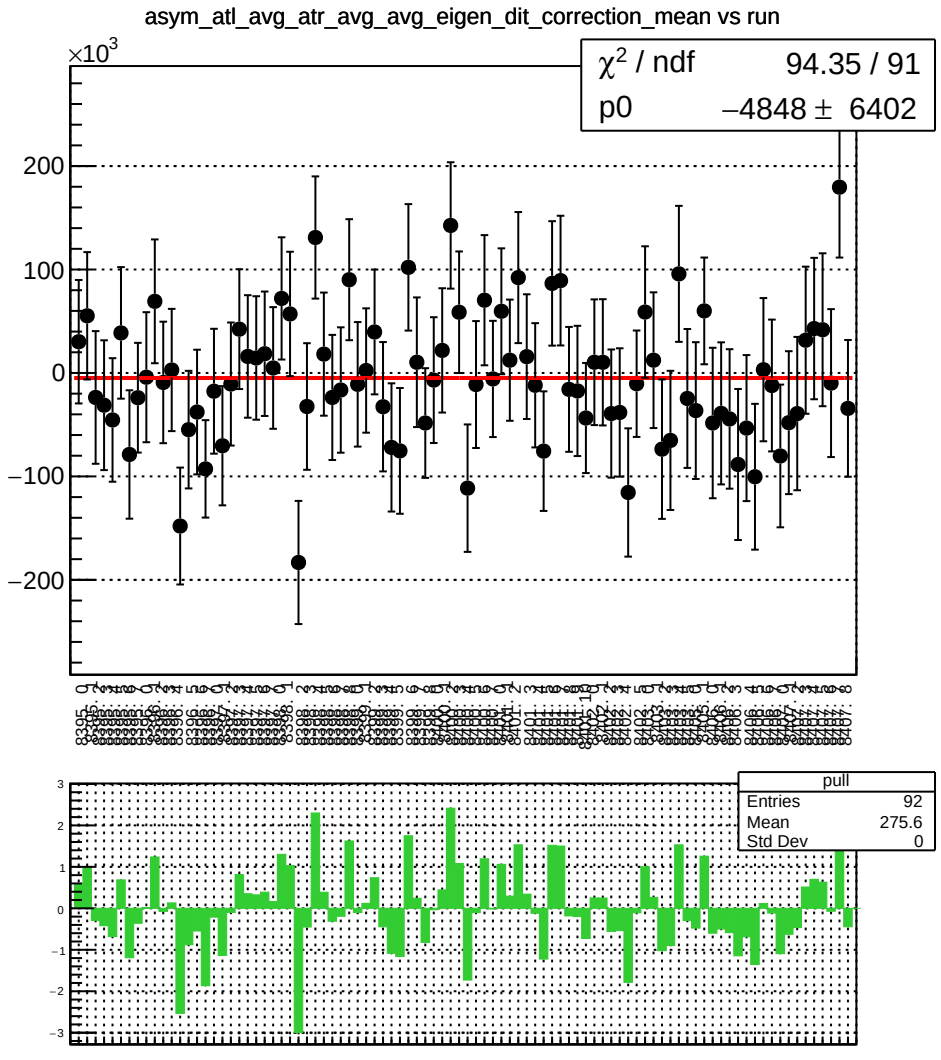

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.35 / 91
p0 −4848 ± 6402
200
100
0
−100
−200
pull
Entries 92
Mean 275.6
Std Dev 0
3
2
1
0
−1
−2
−3

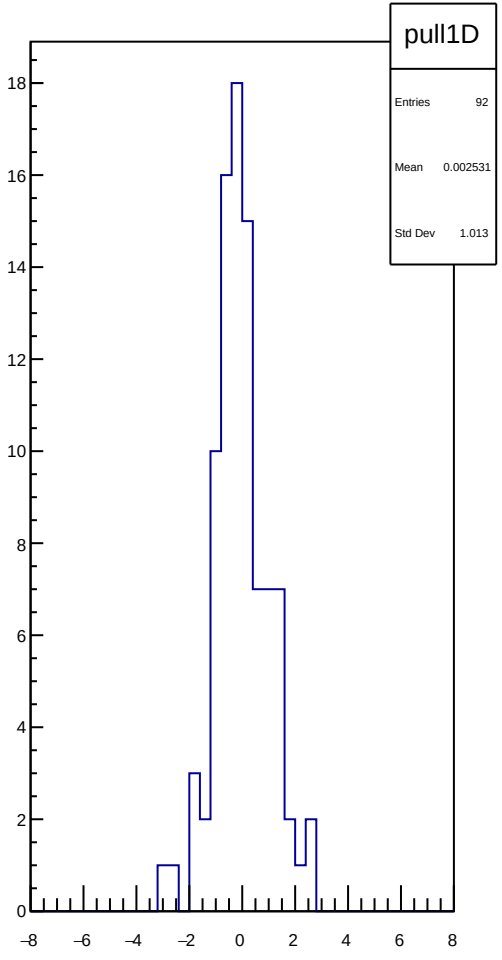

pull1D
Entries 92
Mean 0.002531
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

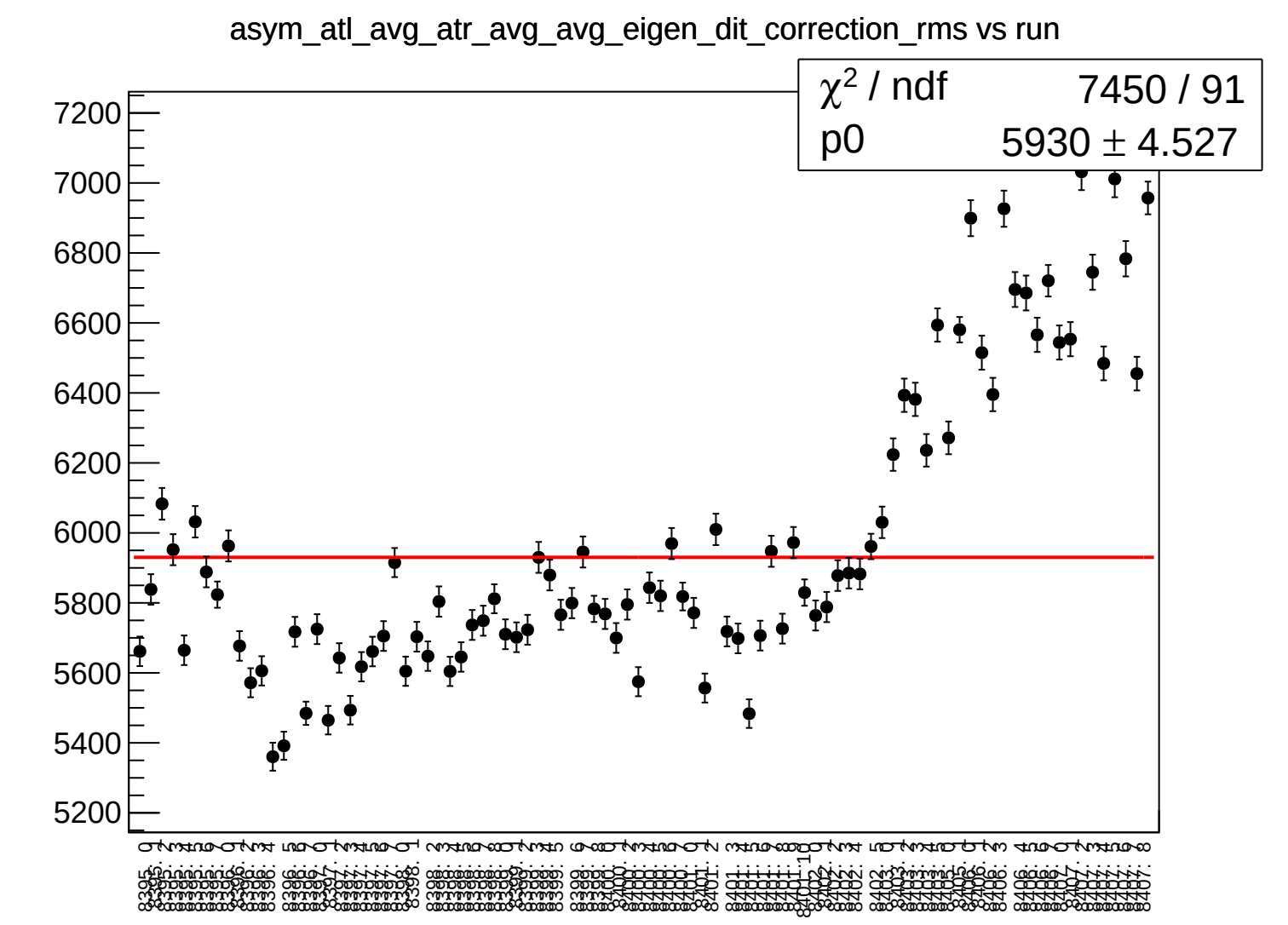

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
$\chi^2$ / ndf 7450 / 91
p0 5930 ± 4.527
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

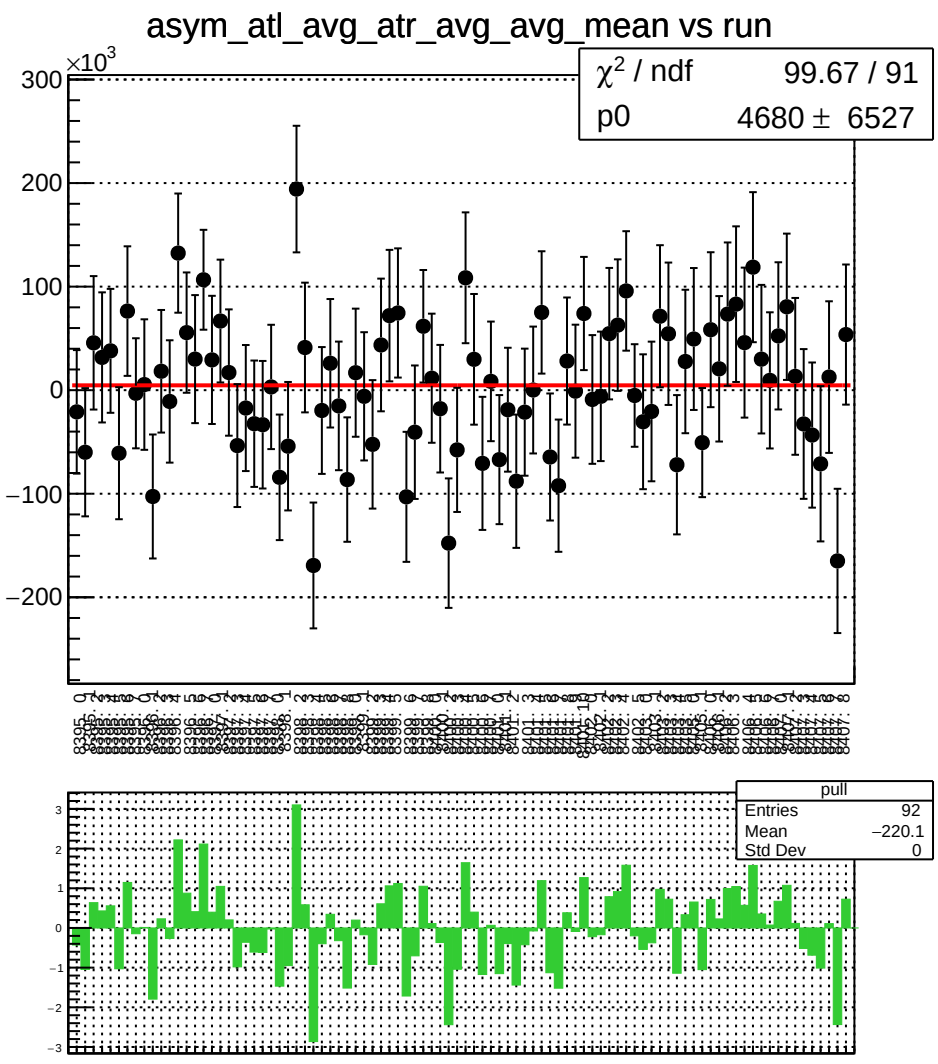

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 121.5 / 91
p0 26.21 ± 1392
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −627
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.009267
Std Dev 1.149
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

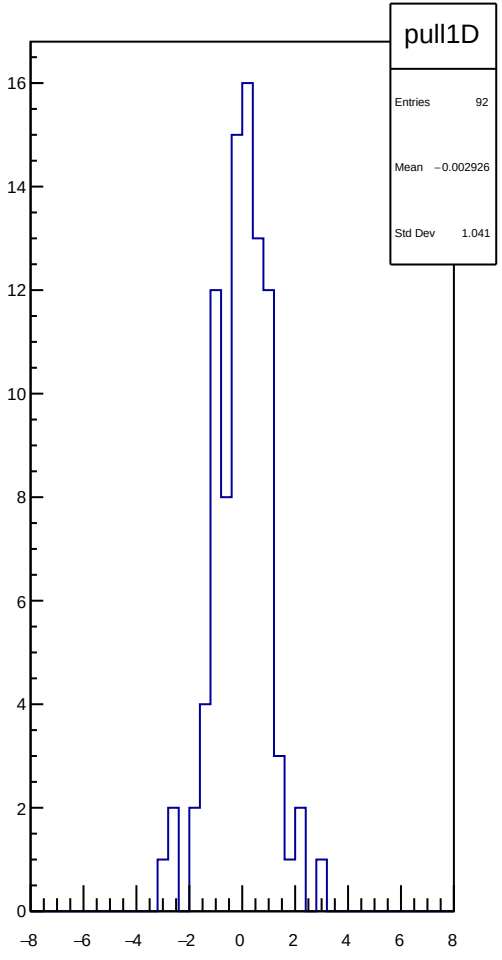

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 231.7 / 91
p0 1292 ± 0.9844
1420
1400
1380
1360
1340
1320
1300
1280
1260

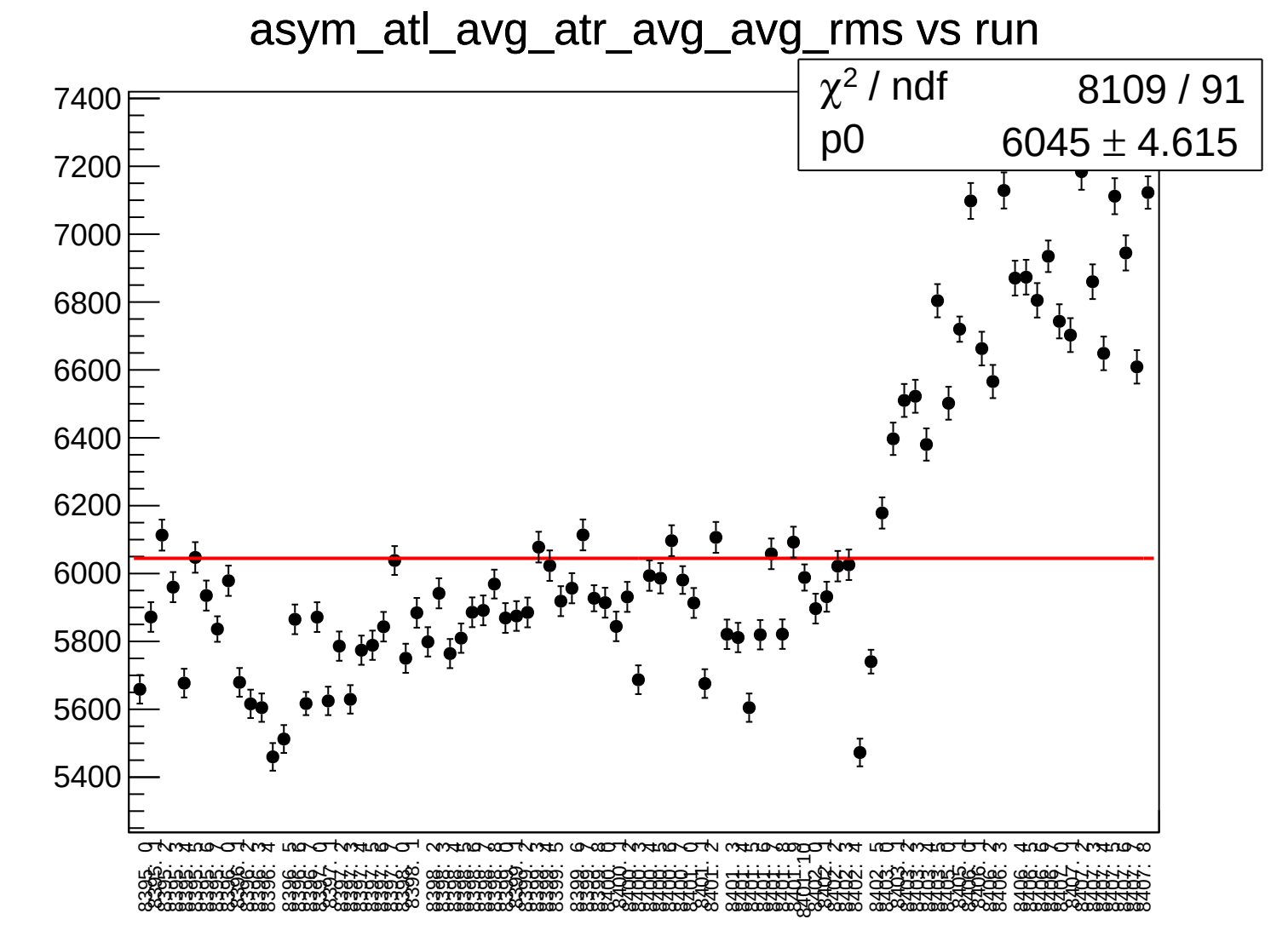

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.35 / 91
p0 −4848 ± 6402
200
100
0
−100
−200
pull
Entries 92
Mean 275.6
Std Dev 0
3
2
1
0
−1
−2
−3

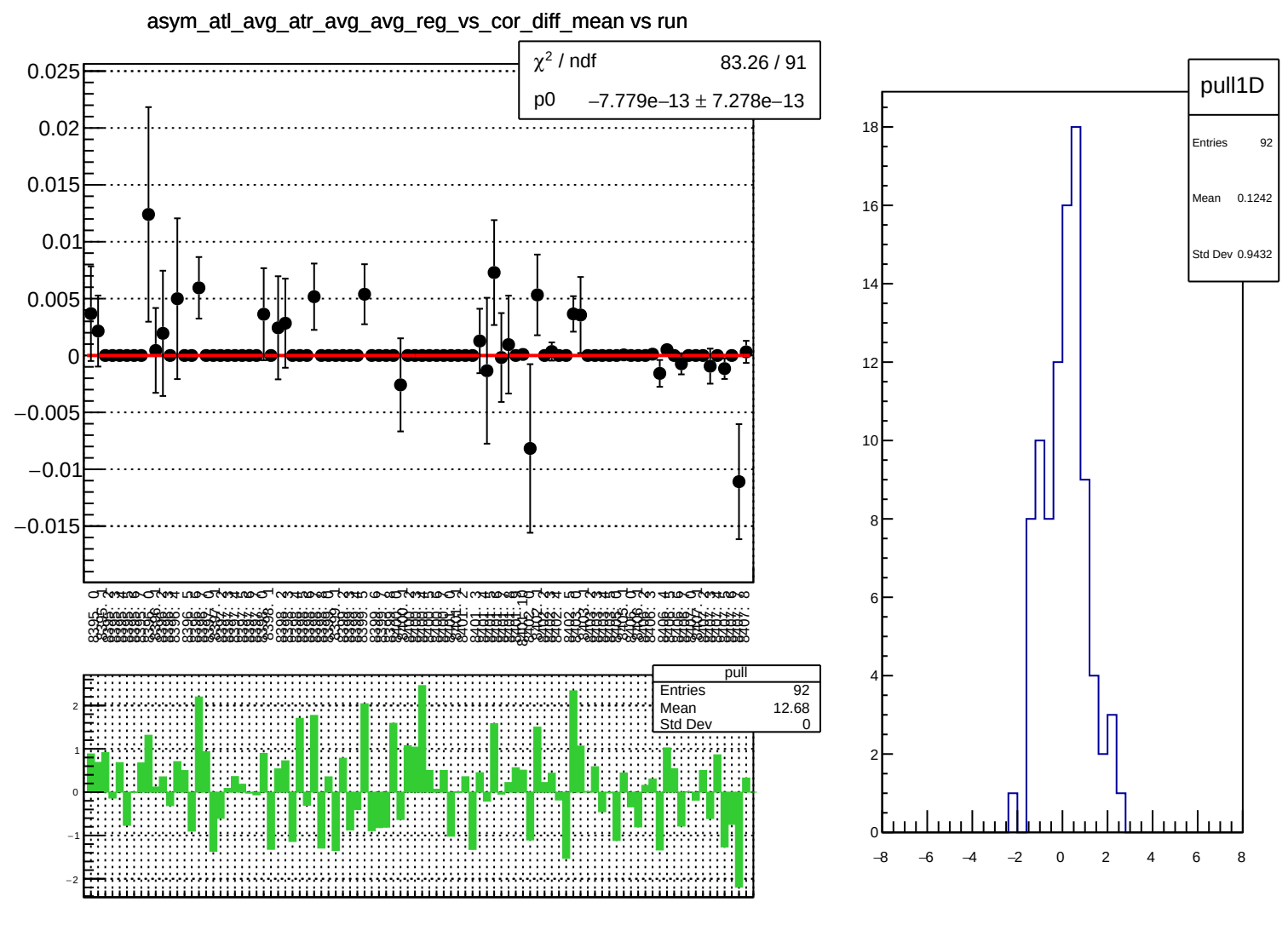

pull1D
Entries 92
Mean 0.002531
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

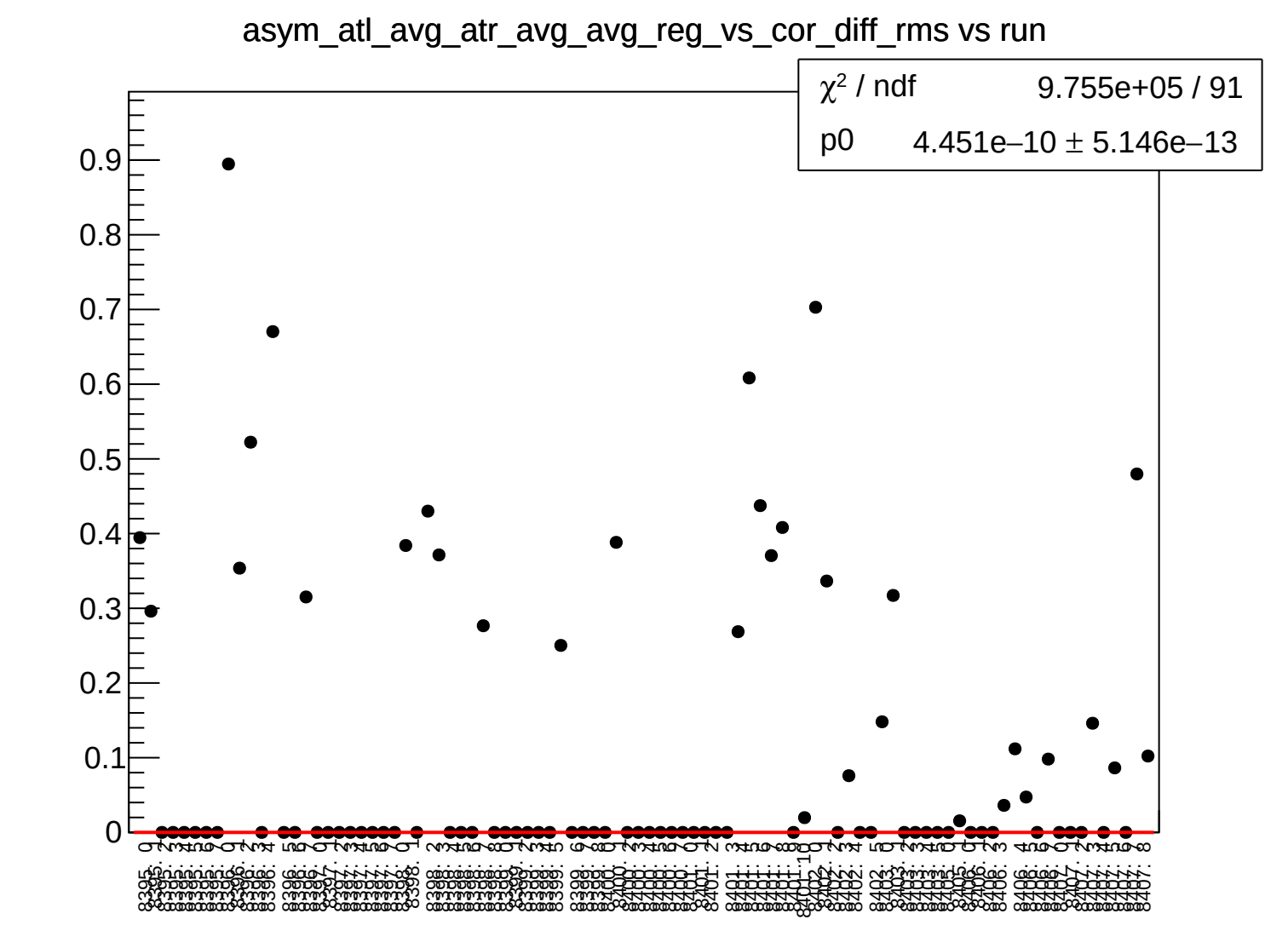

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7450 / 91
p0 5930 ± 4.527
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

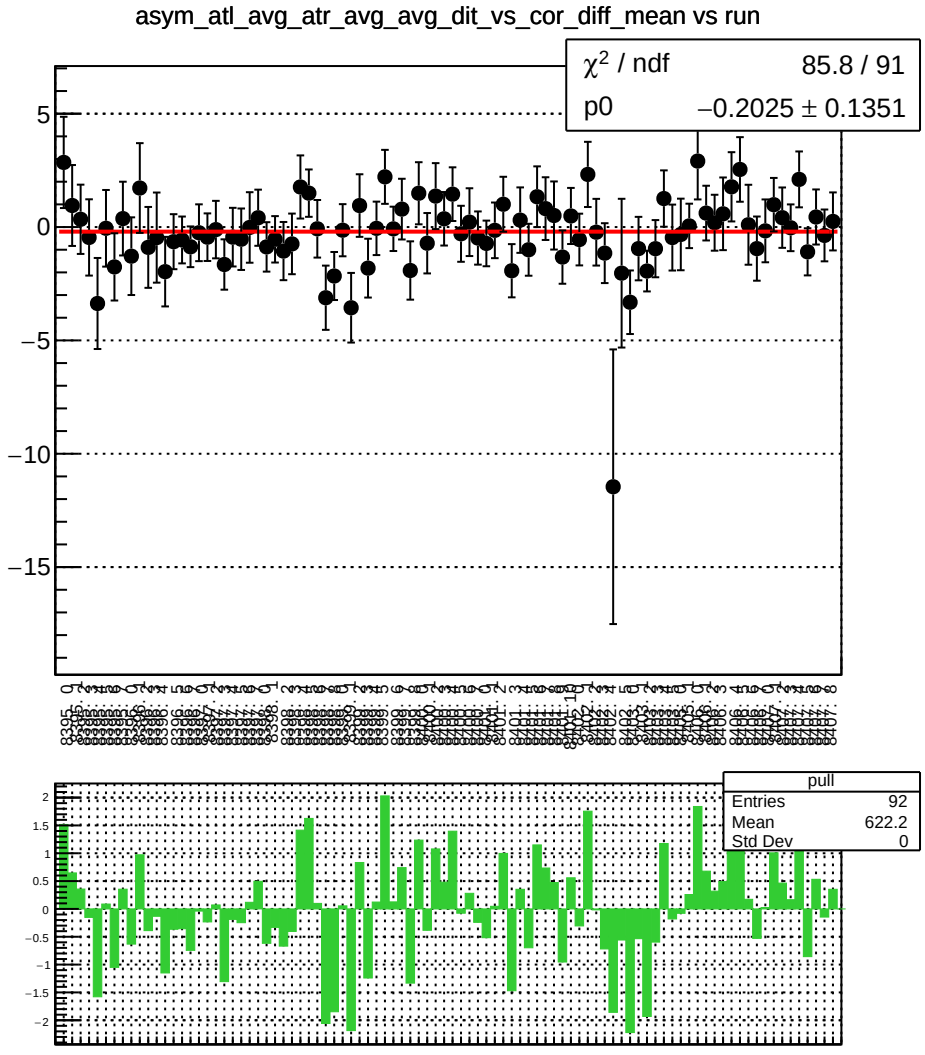

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 99.67 / 91
p0 4680 ± 6527
×10³
300
200
100
0
−100
−200
pull
Entries 92
Mean −220.1
Std Dev 0
3
2
1
0
−1
−2
−3

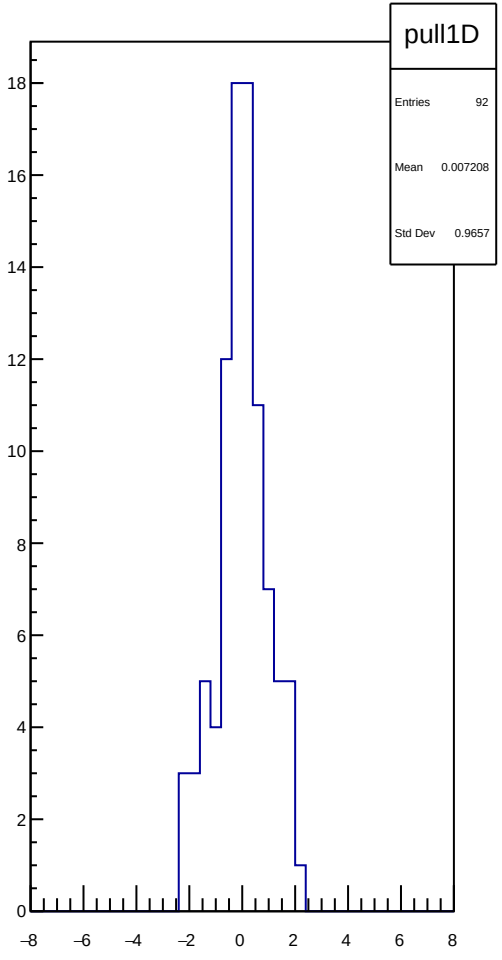

pull1D
Entries 92
Mean −0.002926
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

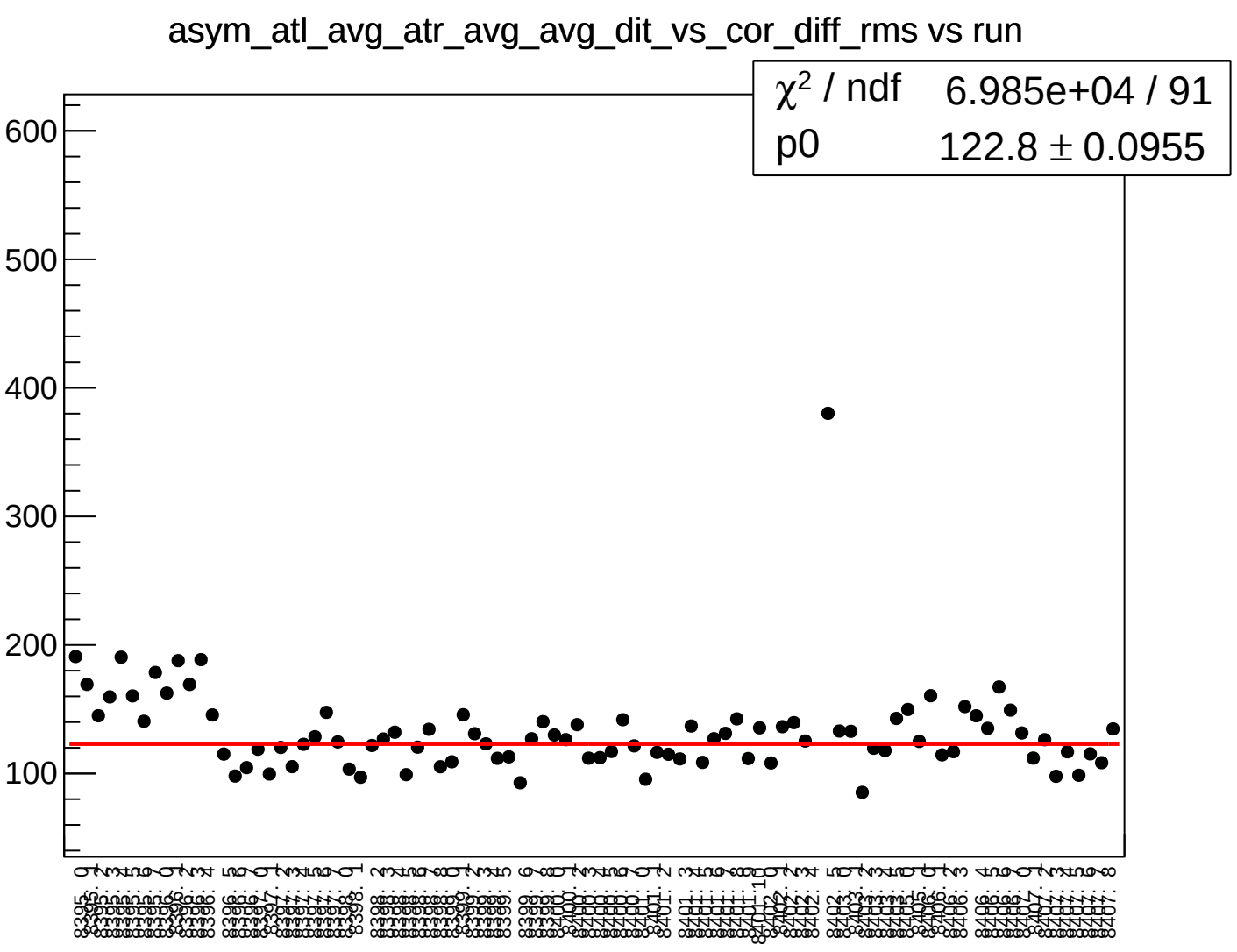

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8109 / 91
p0 6045 ± 4.615
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

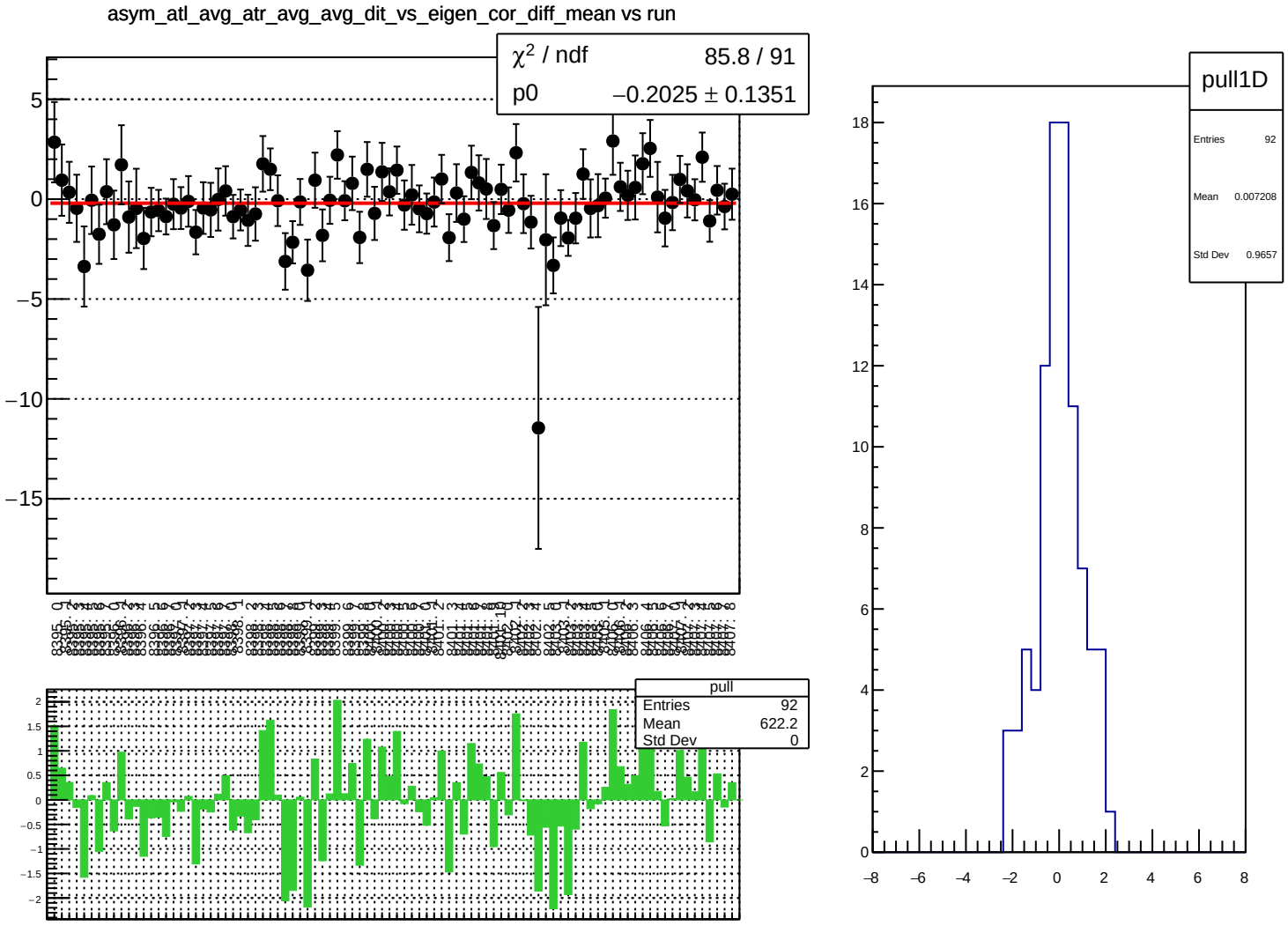

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.26 / 91
p0 −7.779e−13 ± 7.278e−13
pull
Entries 92
Mean 12.68
Std Dev 0
pull1D
Entries 92
Mean 0.1242
Std Dev 0.9432

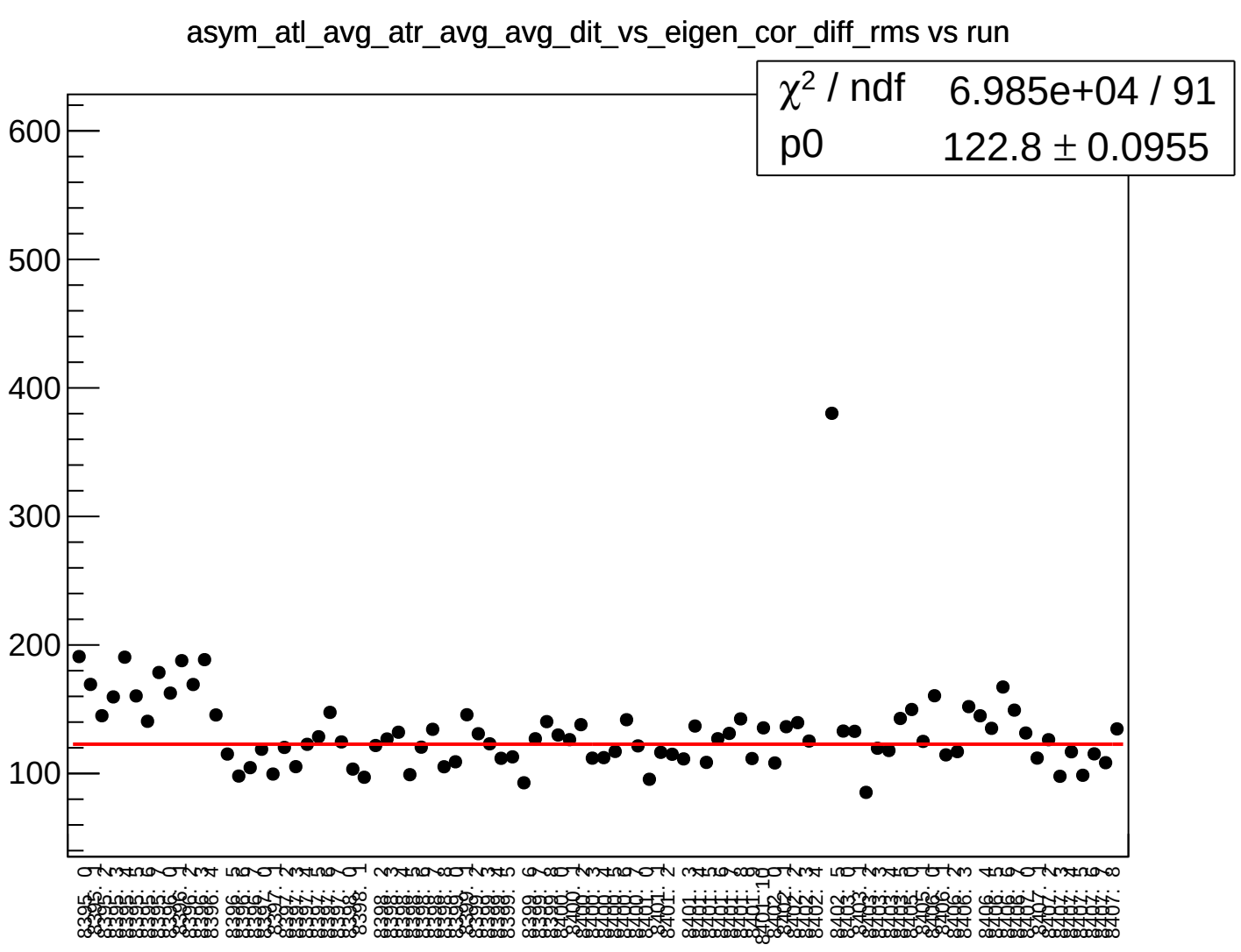

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.755e+05 / 91
p0 4.451e−10 ± 5.146e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

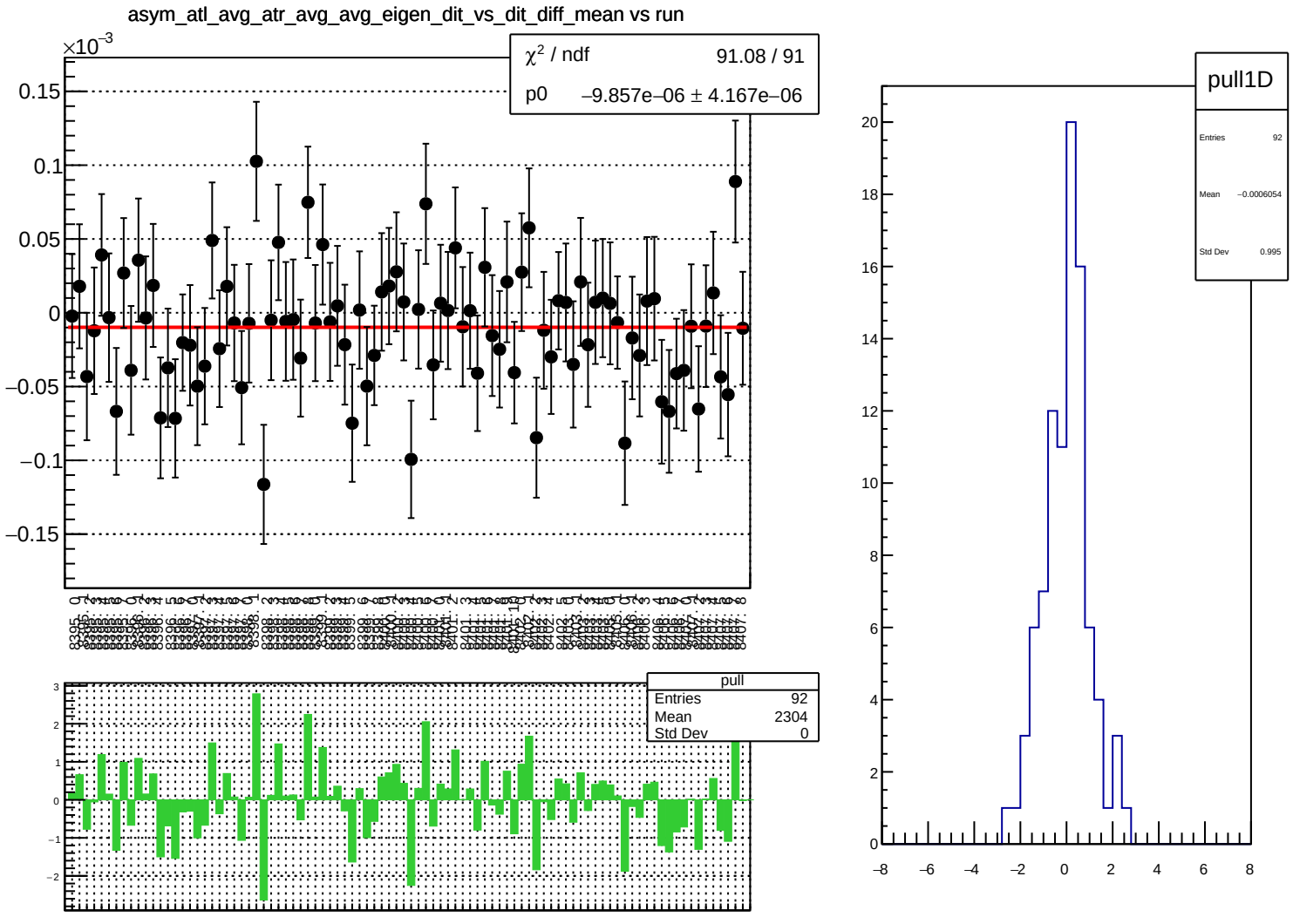

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.8 / 91
p0 −0.2025 ± 0.1351
pull
Entries 92
Mean 622.2
Std Dev 0

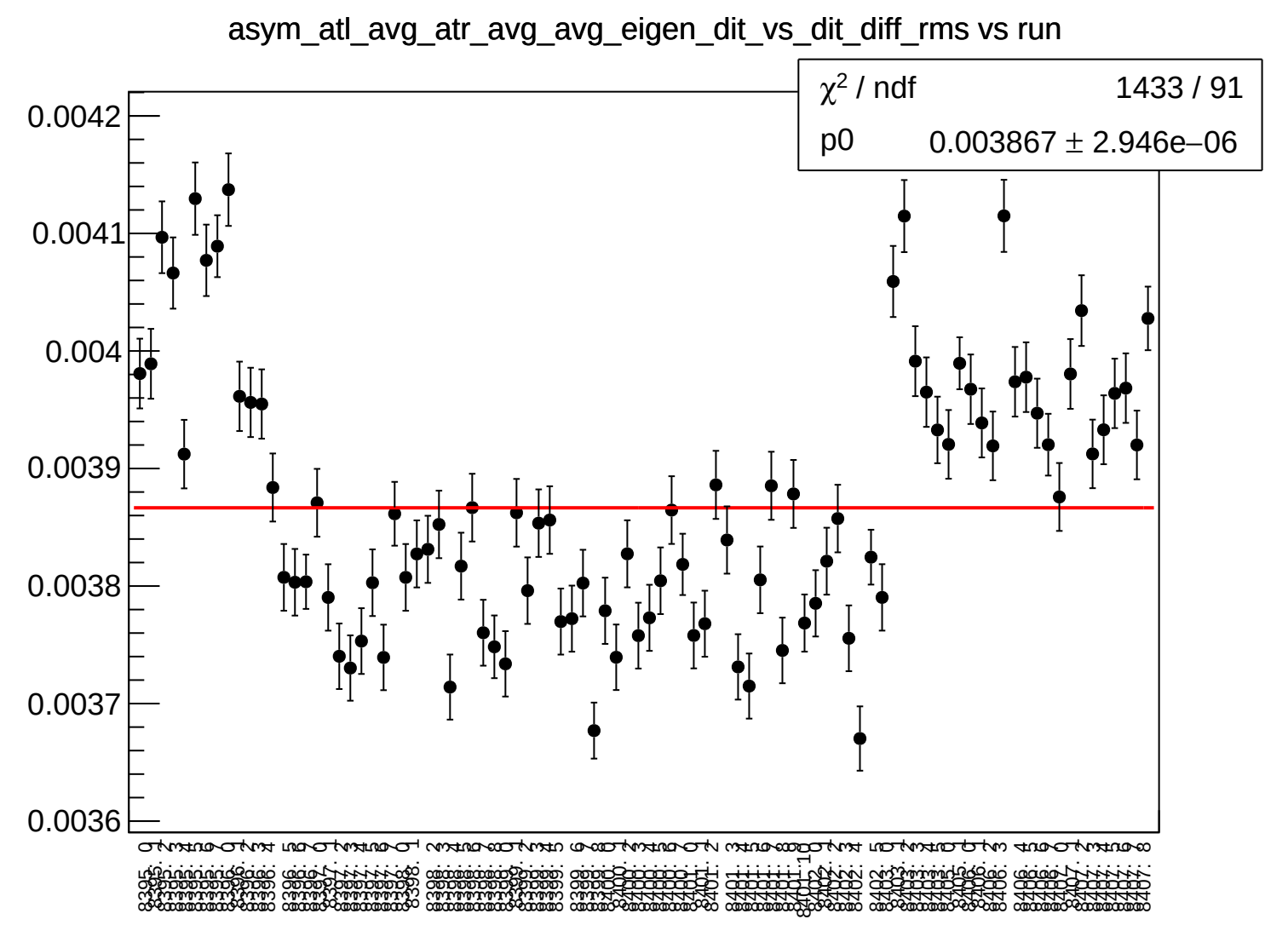

pull1D
Entries 92
Mean 0.007208
Std Dev 0.9657

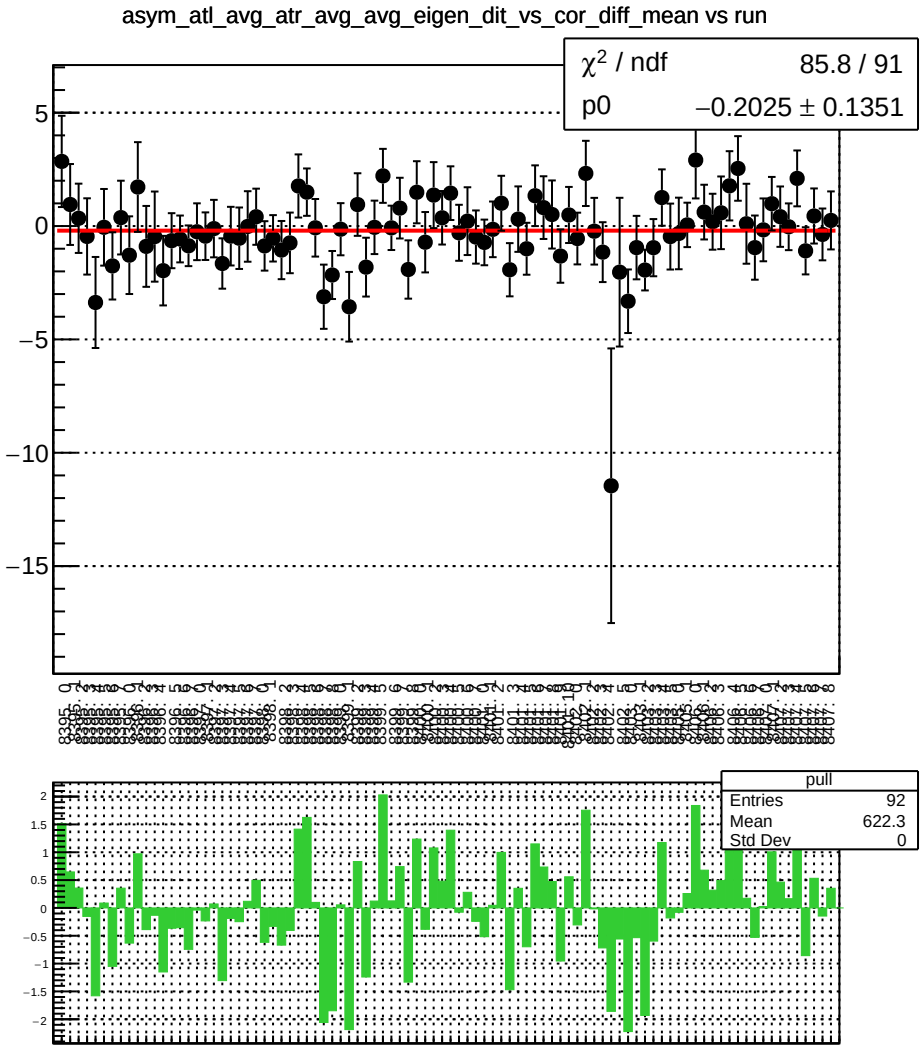

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.985e+04 / 91
p0 122.8 ± 0.0955
600
500
400
300
200
100

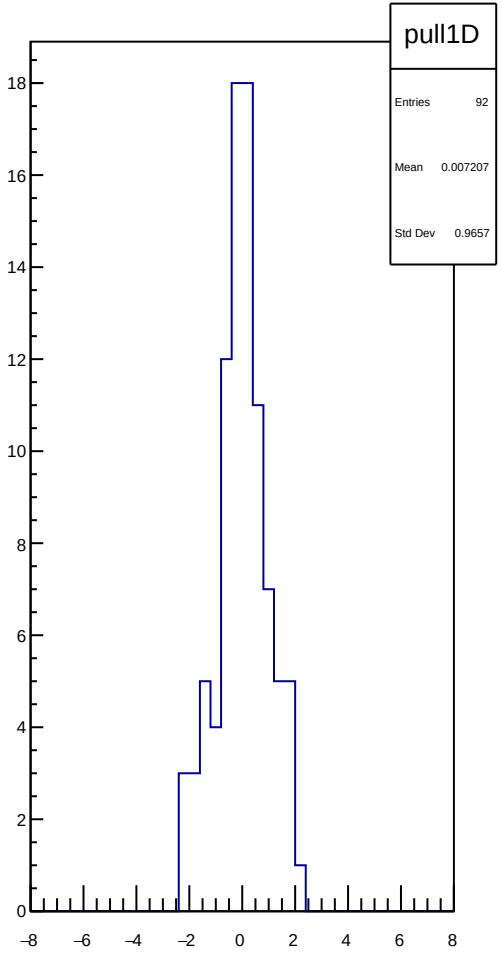

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.8 / 91
p0 −0.2025 ± 0.1351
pull
Entries 92
Mean 622.2
Std Dev 0
pull1D
Entries 92
Mean 0.007208
Std Dev 0.9657

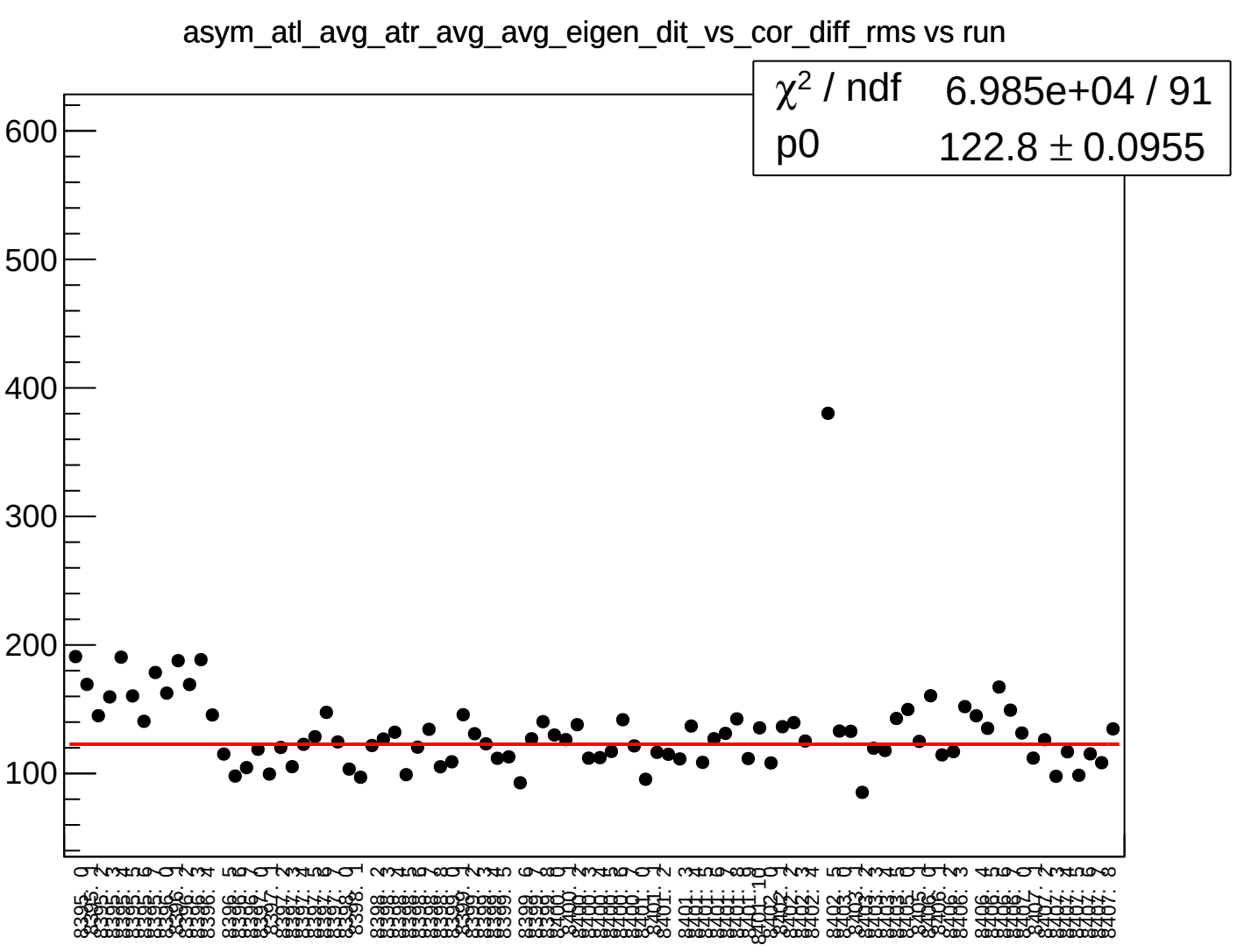

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.985e+04 / 91
p0 122.8 ± 0.0955
600
500
400
300
200
100

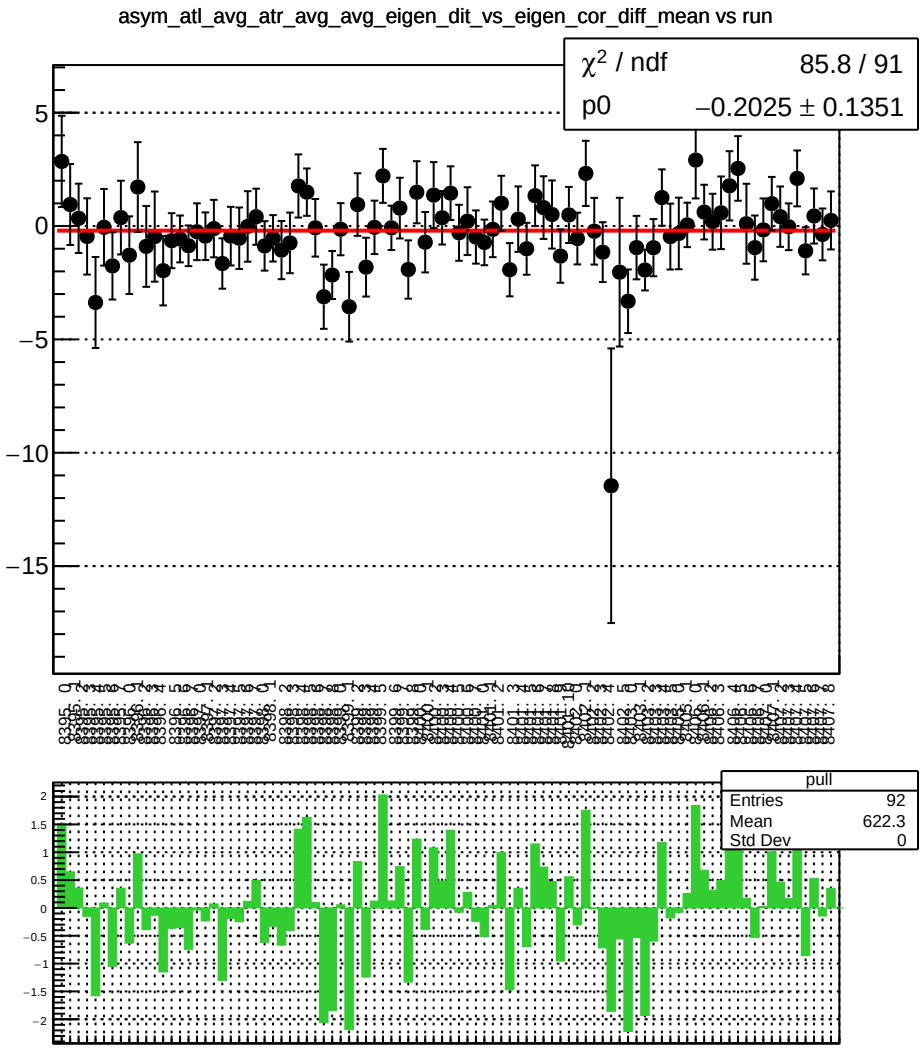

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.08 / 91
p0 −9.857e−06 ± 4.167e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 2304
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.0006054
Std Dev 0.995
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

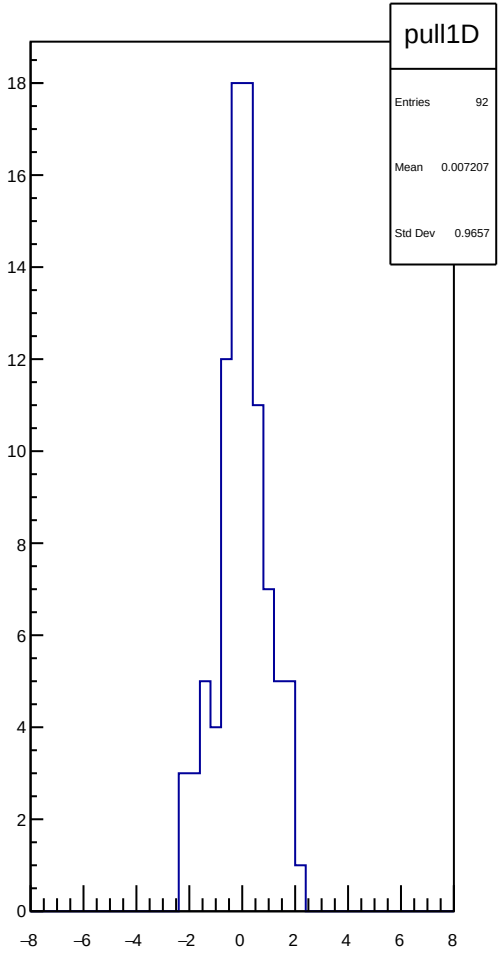

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1433 / 91
p0 0.003867 ± 2.946e−06
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036

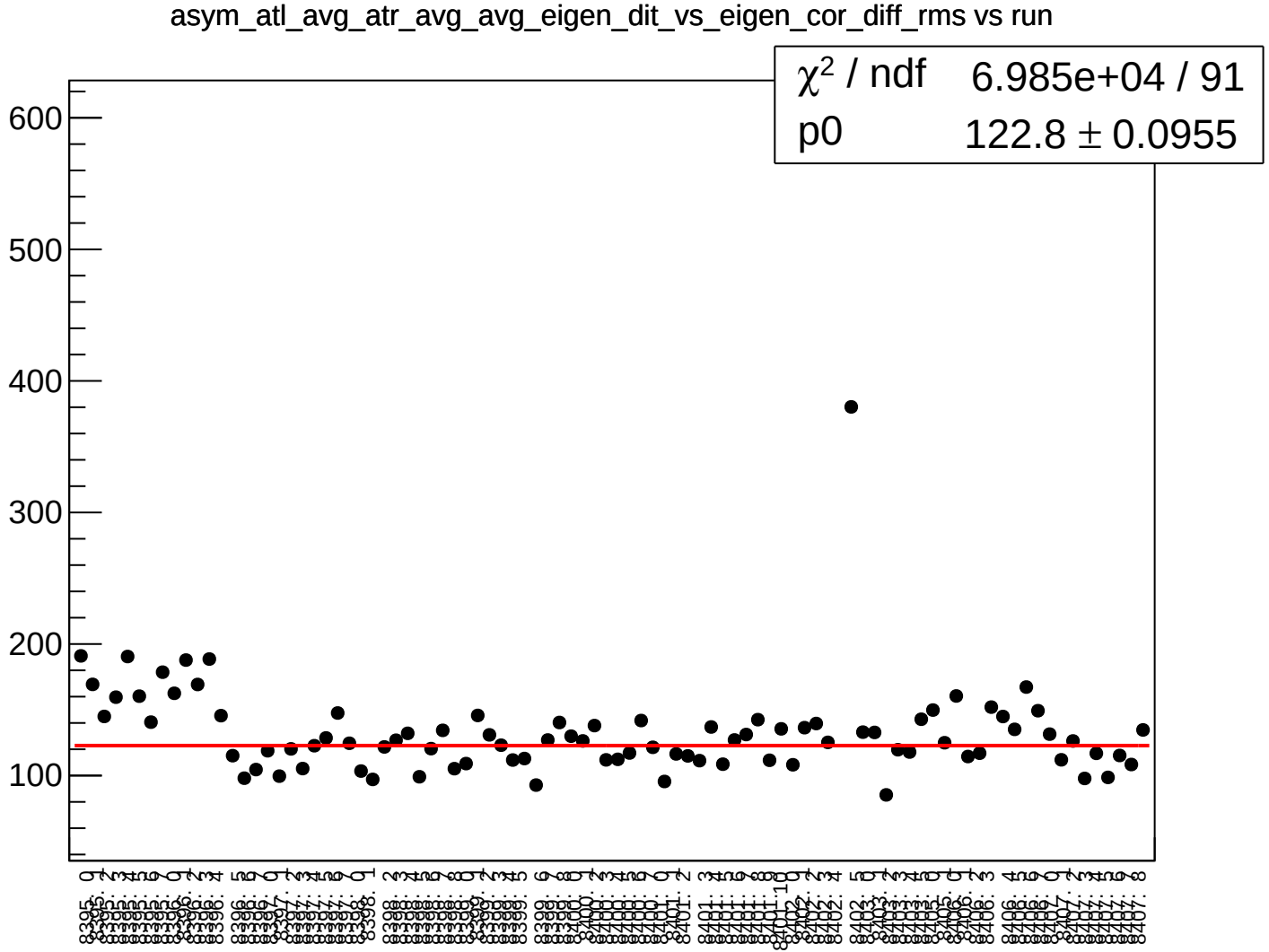

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.8 / 91
p0 −0.2025 ± 0.1351
pull
Entries 92
Mean 622.3
Std Dev 0

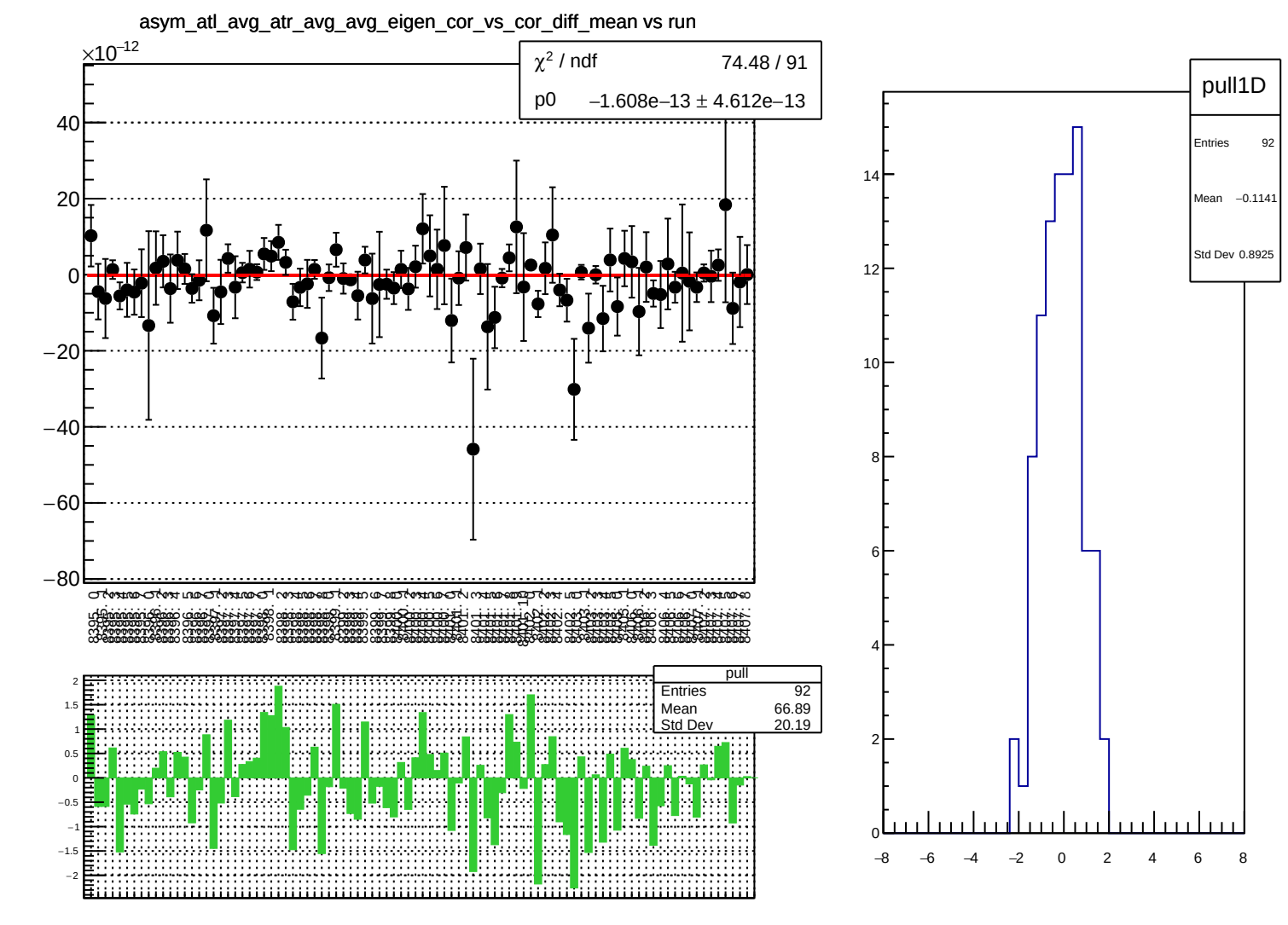

pull1D
Entries 92
Mean 0.007207
Std Dev 0.9657

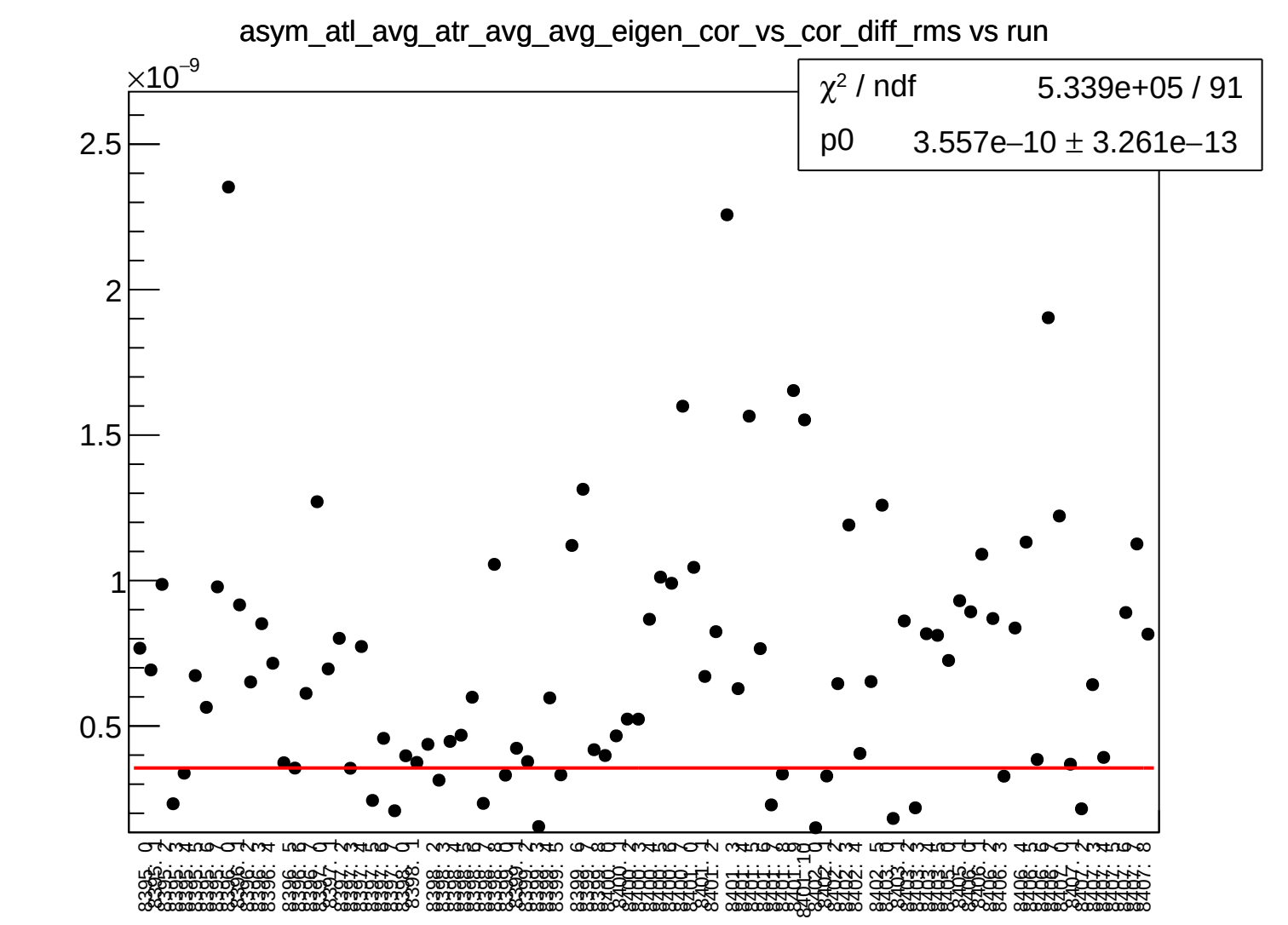

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.985e+04 / 91
p0 122.8 ± 0.0955
600
500
400
300
200
100

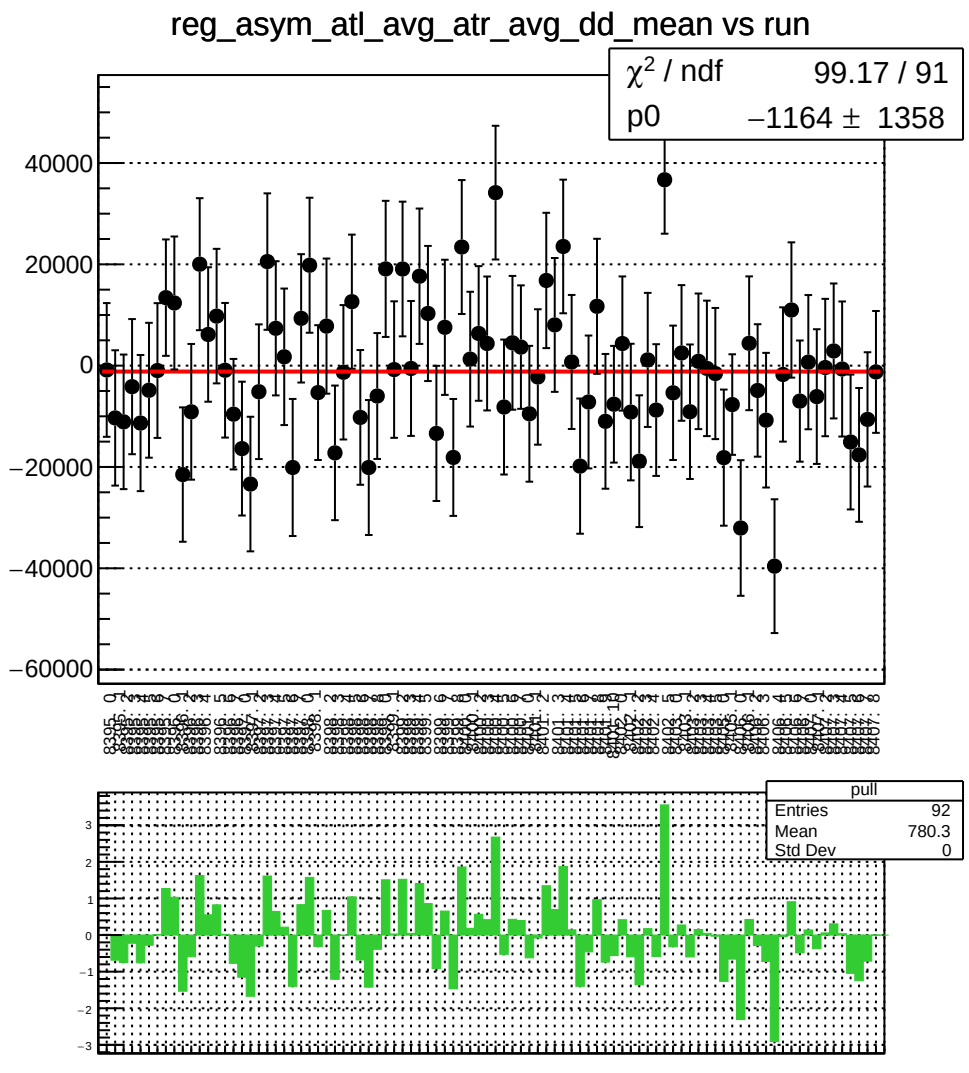

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.8 / 91
p0 −0.2025 ± 0.1351
pull
Entries 92
Mean 622.3
Std Dev 0

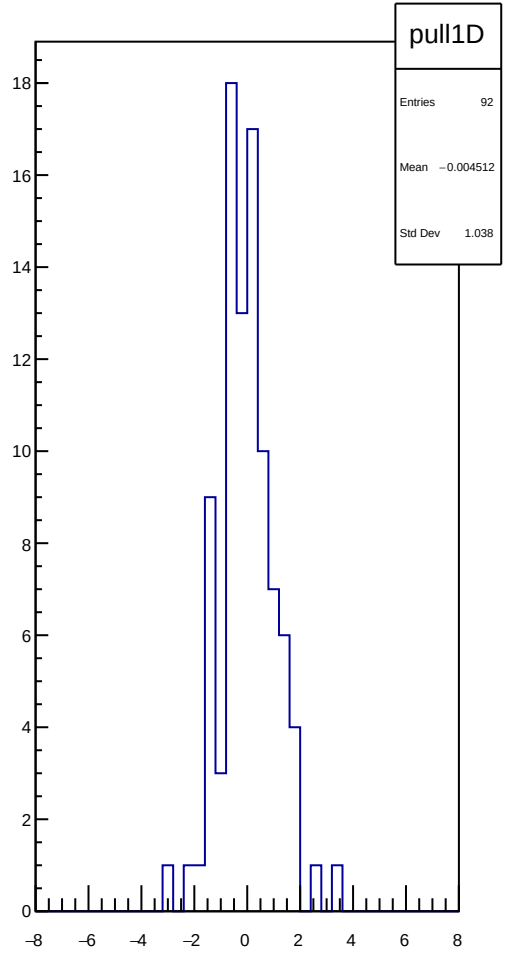

pull1D
Entries 92
Mean 0.007207
Std Dev 0.9657

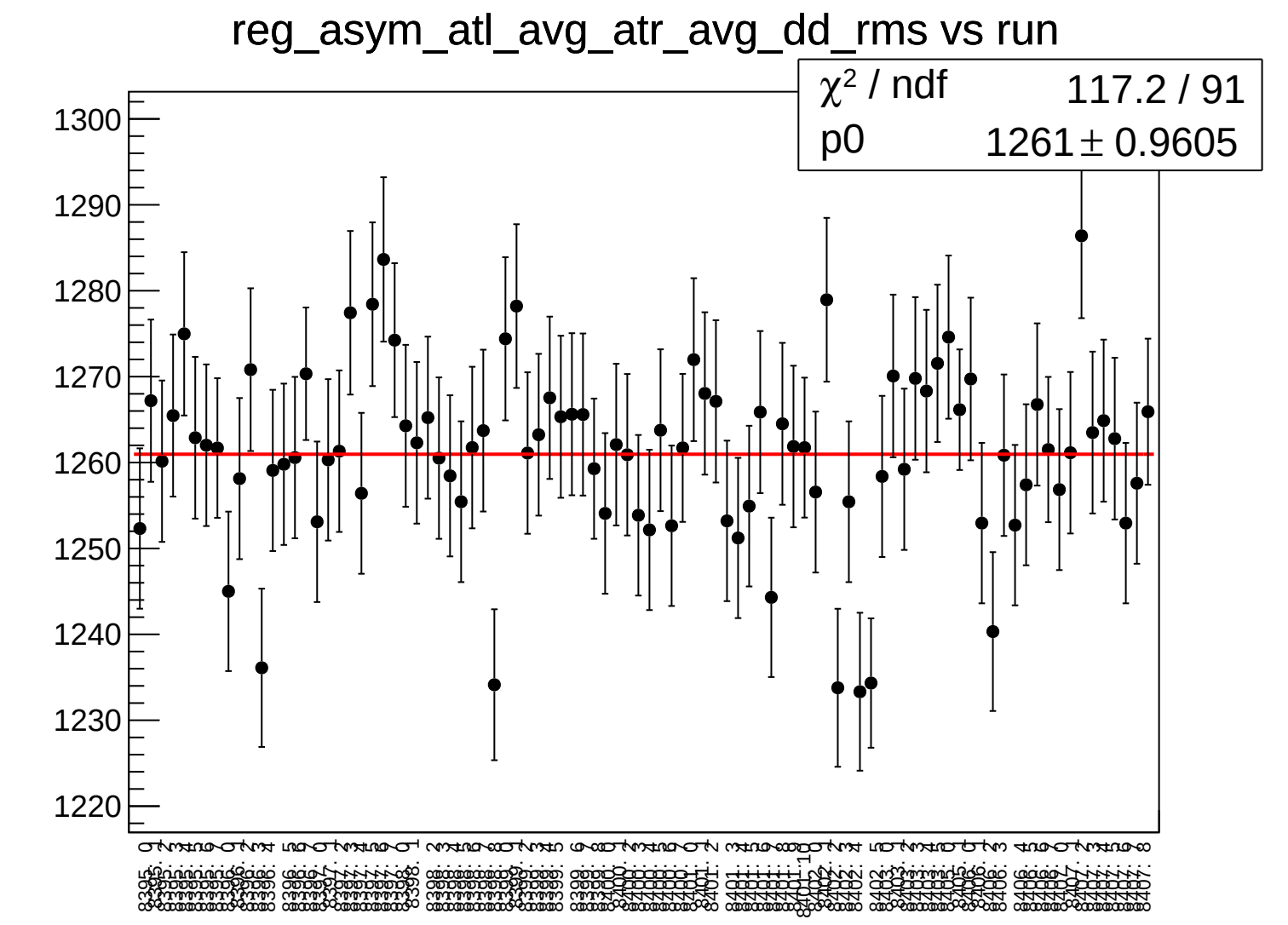

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.985e+04 / 91
p0 122.8 ± 0.0955
600
500
400
300
200
100

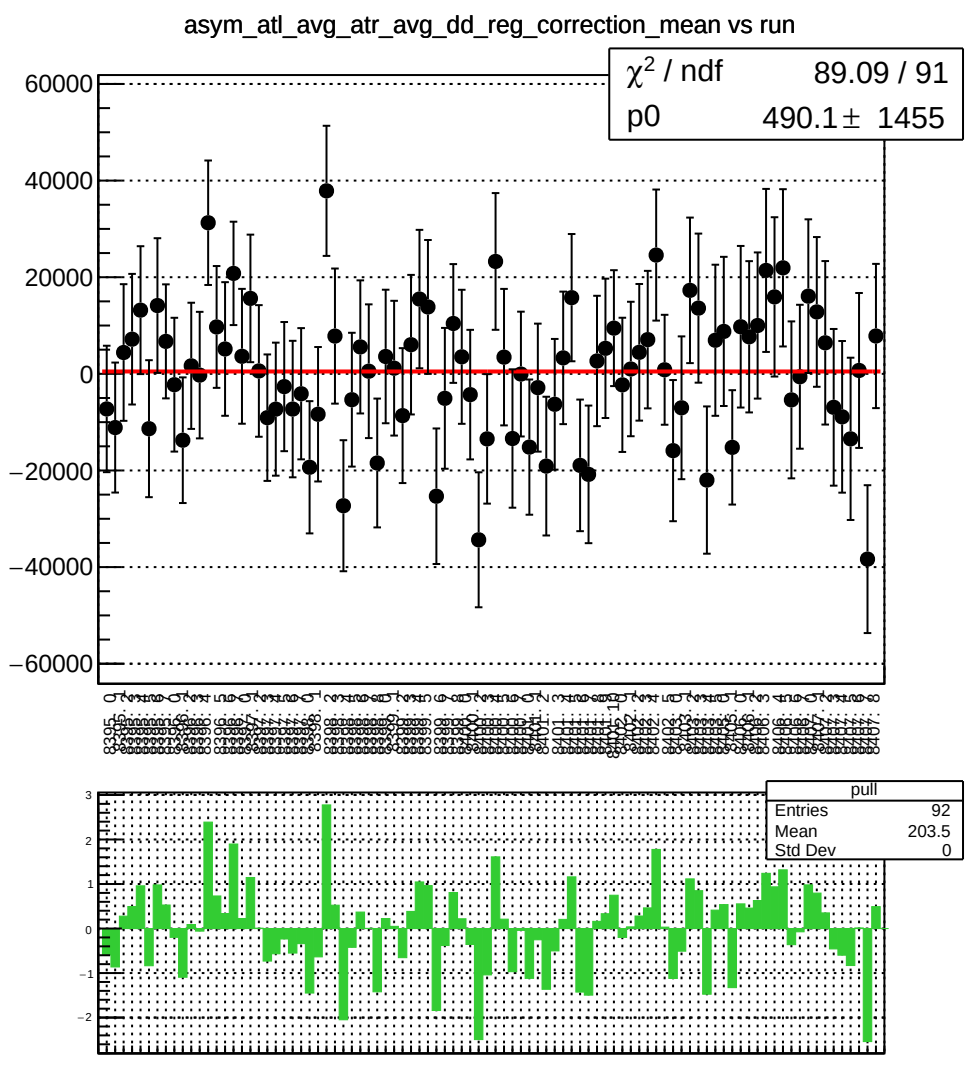

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.48 / 91
p0 −1.608e−13 ± 4.612e−13
pull
Entries 92
Mean 66.89
Std Dev 20.19
pull1D
Entries 92
Mean −0.1141
Std Dev 0.8925

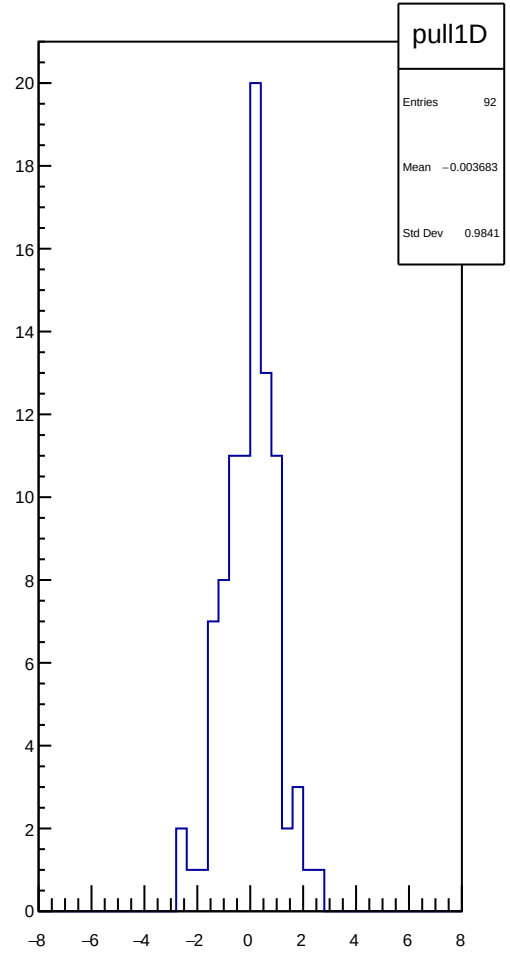

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
2.5
2
1.5
1
0.5
χ² / ndf 5.339e+05 / 91
p0 3.557e−10 ± 3.261e−13

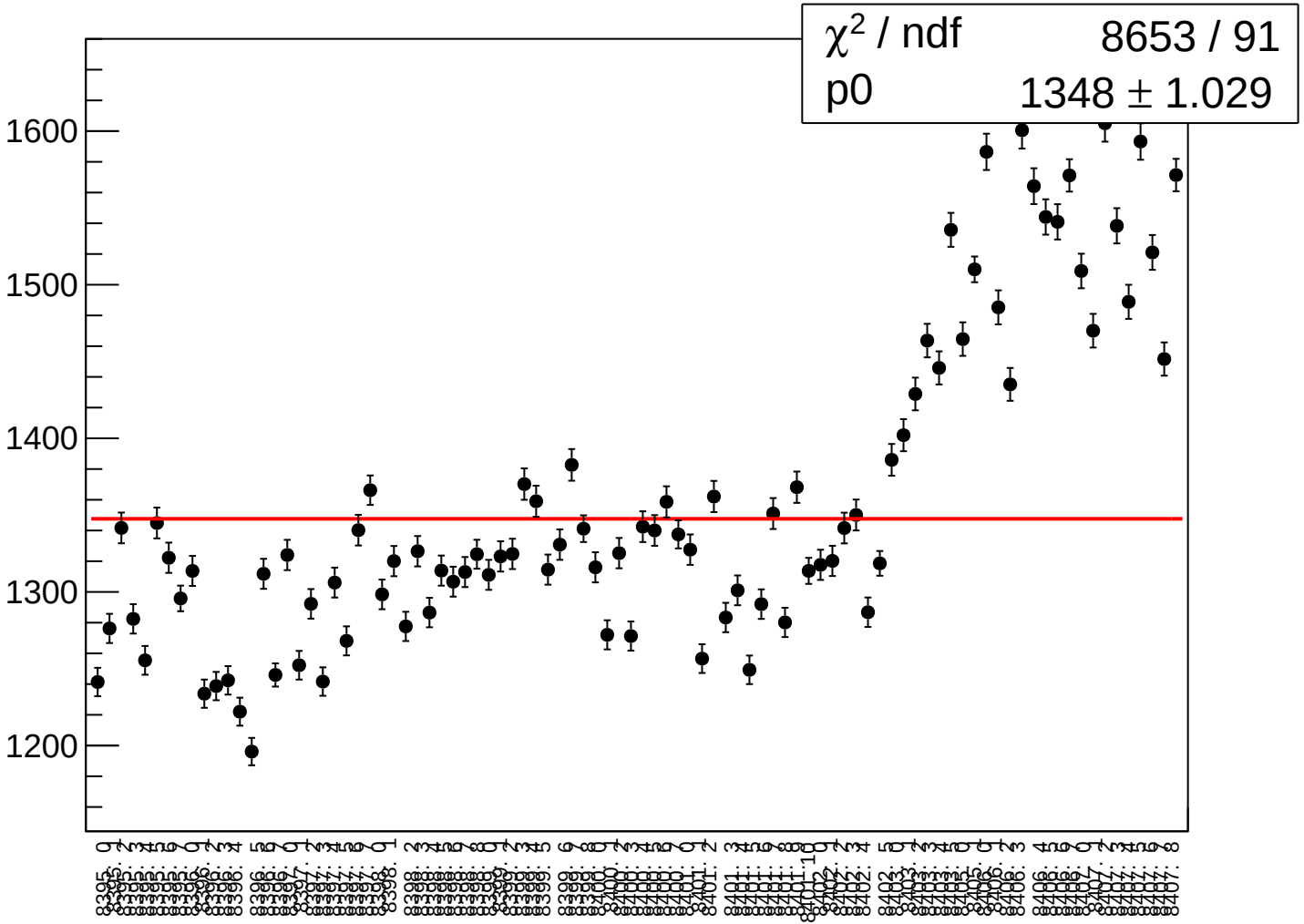

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 99.17 / 91
p0 −1164 ± 1358
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 780.3
Std Dev 0
3
2
1
0
−1
−2
−3

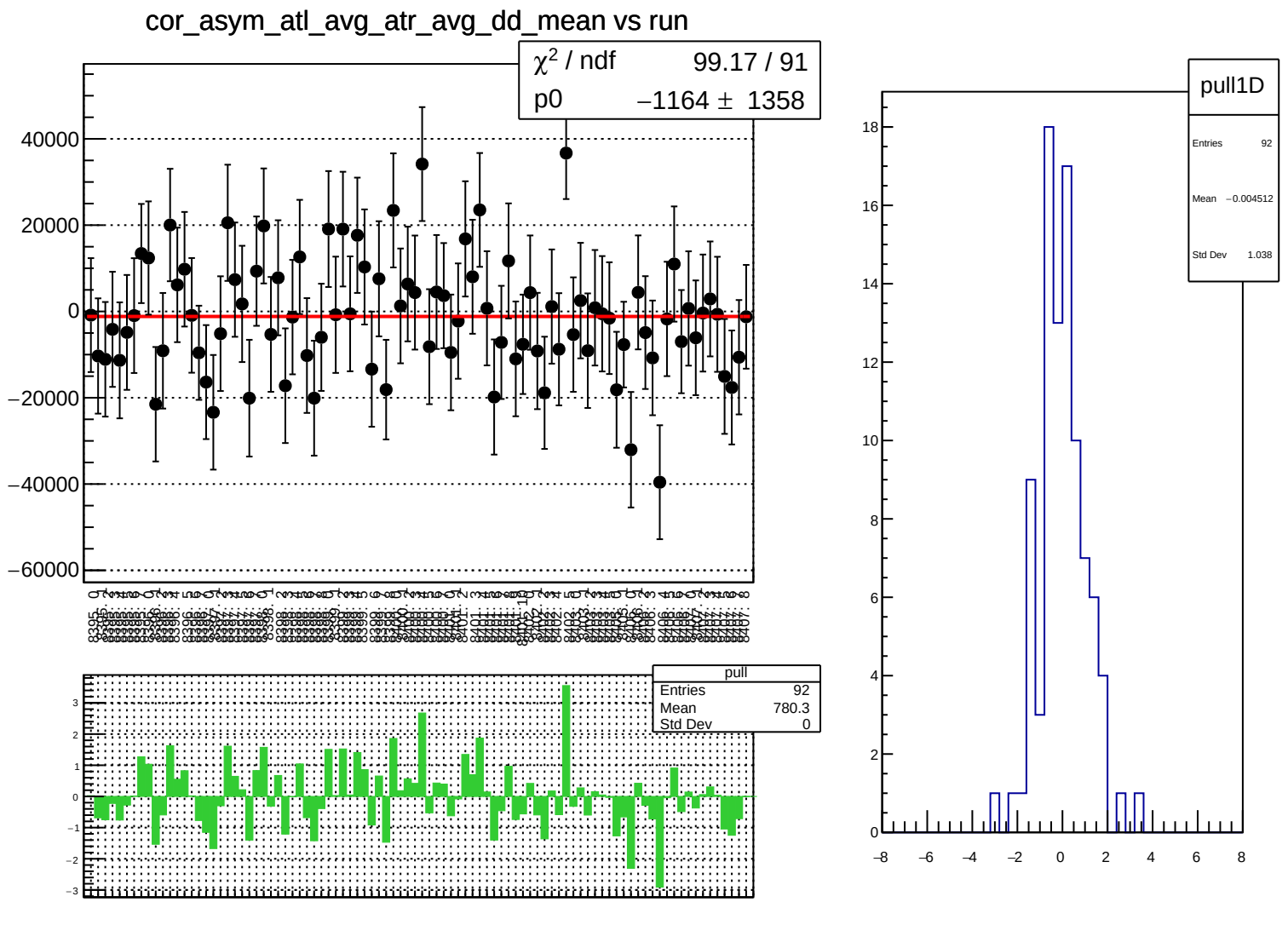

pull1D
Entries 92
Mean −0.004512
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

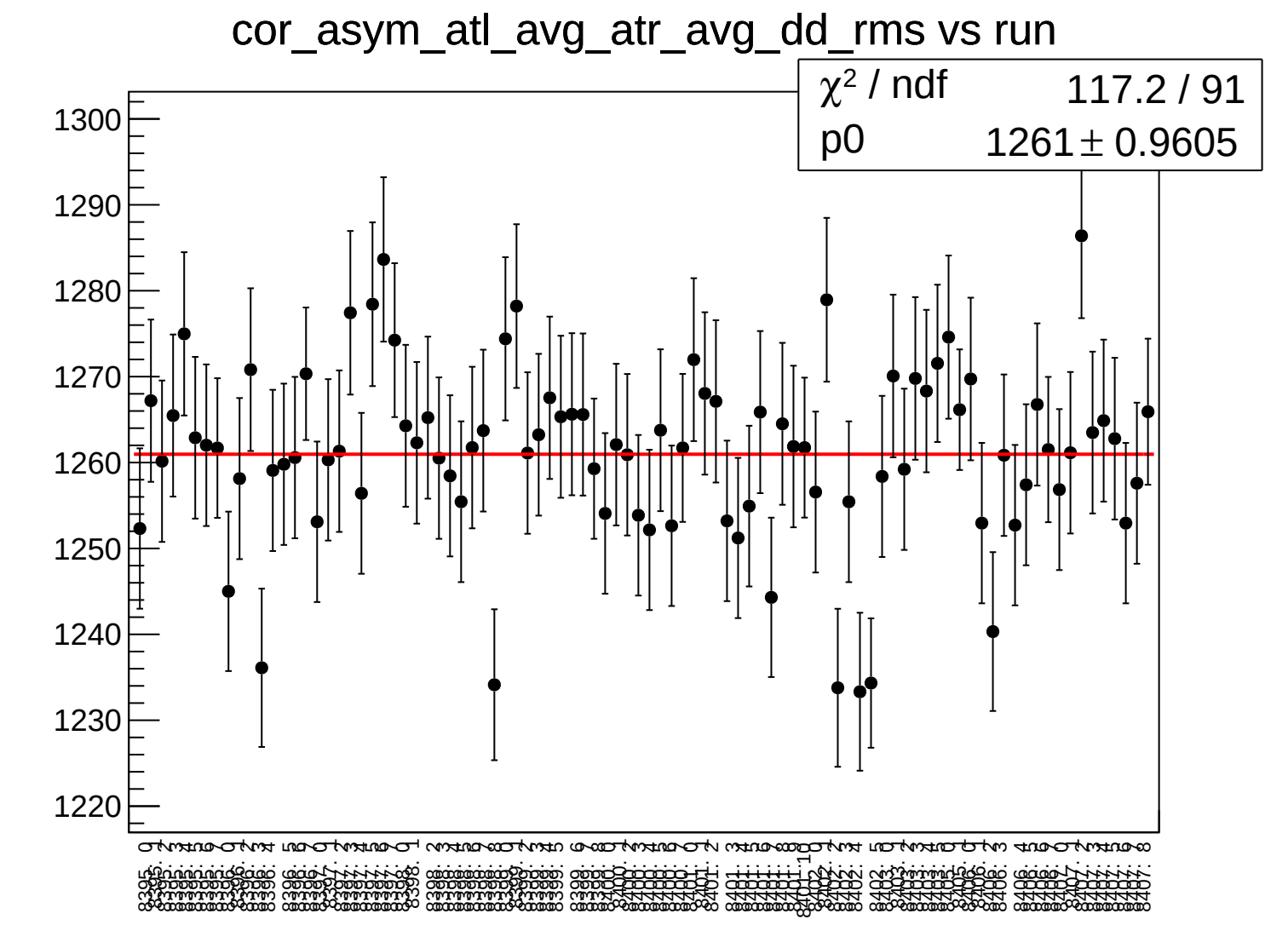

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 117.2 / 91
p0 1261 ± 0.9605
1300
1290
1280
1270
1260
1250
1240
1230
1220

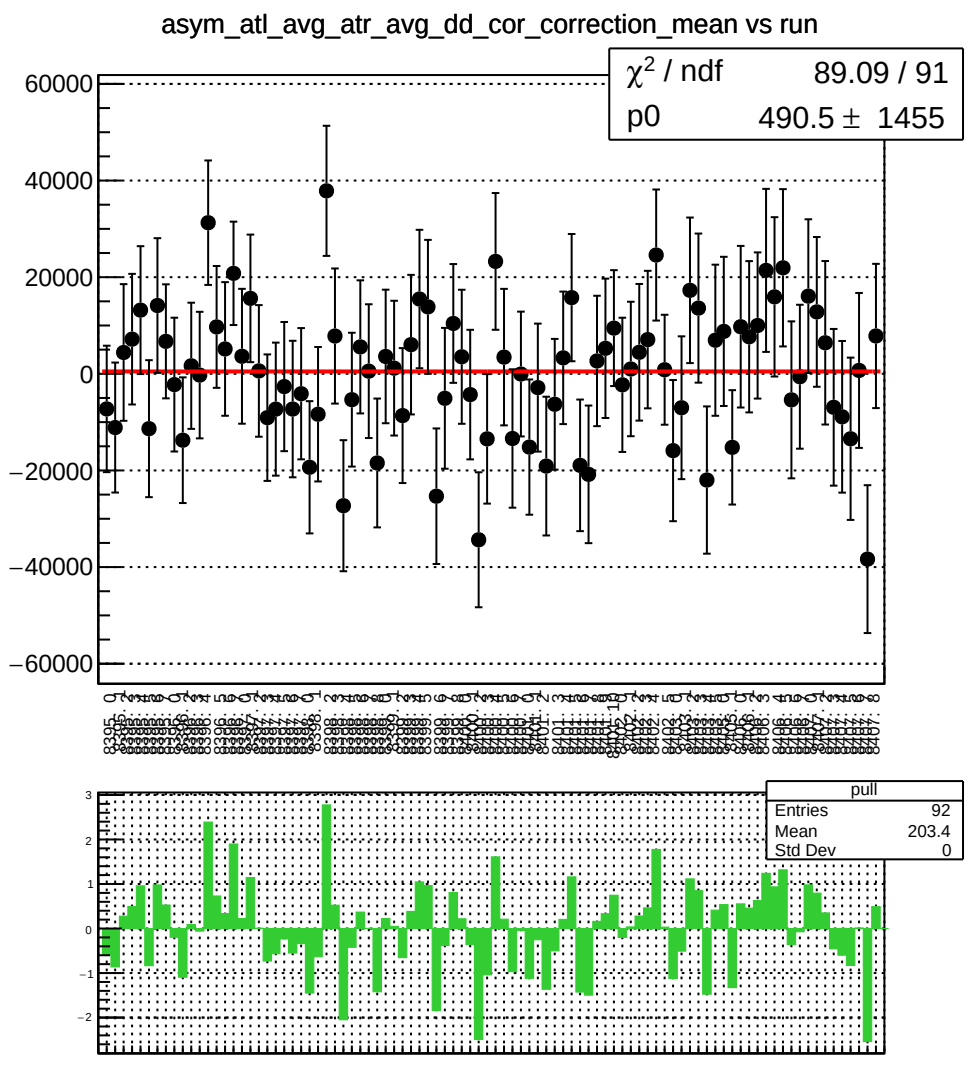

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 89.09 / 91
p0 490.1 ± 1455
pull
Entries 92
Mean 203.5
Std Dev 0

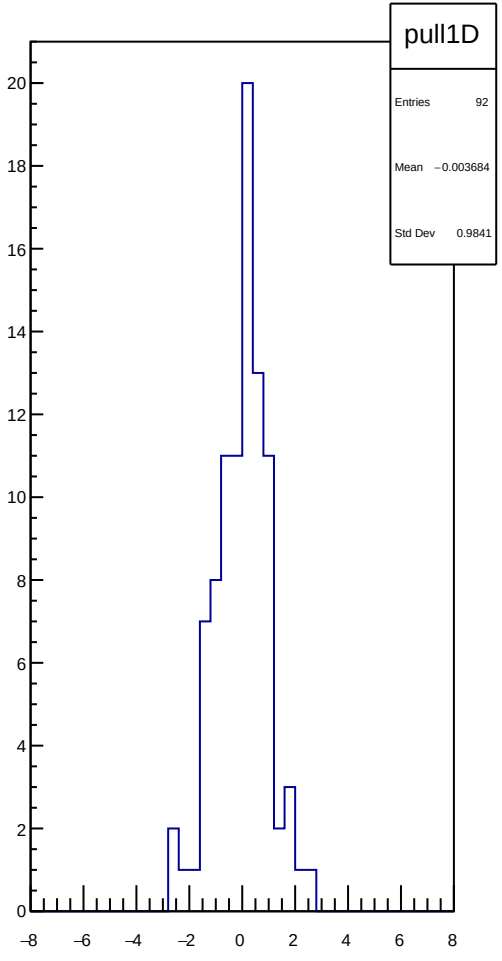

pull1D
Entries 92
Mean −0.003683
Std Dev 0.9841

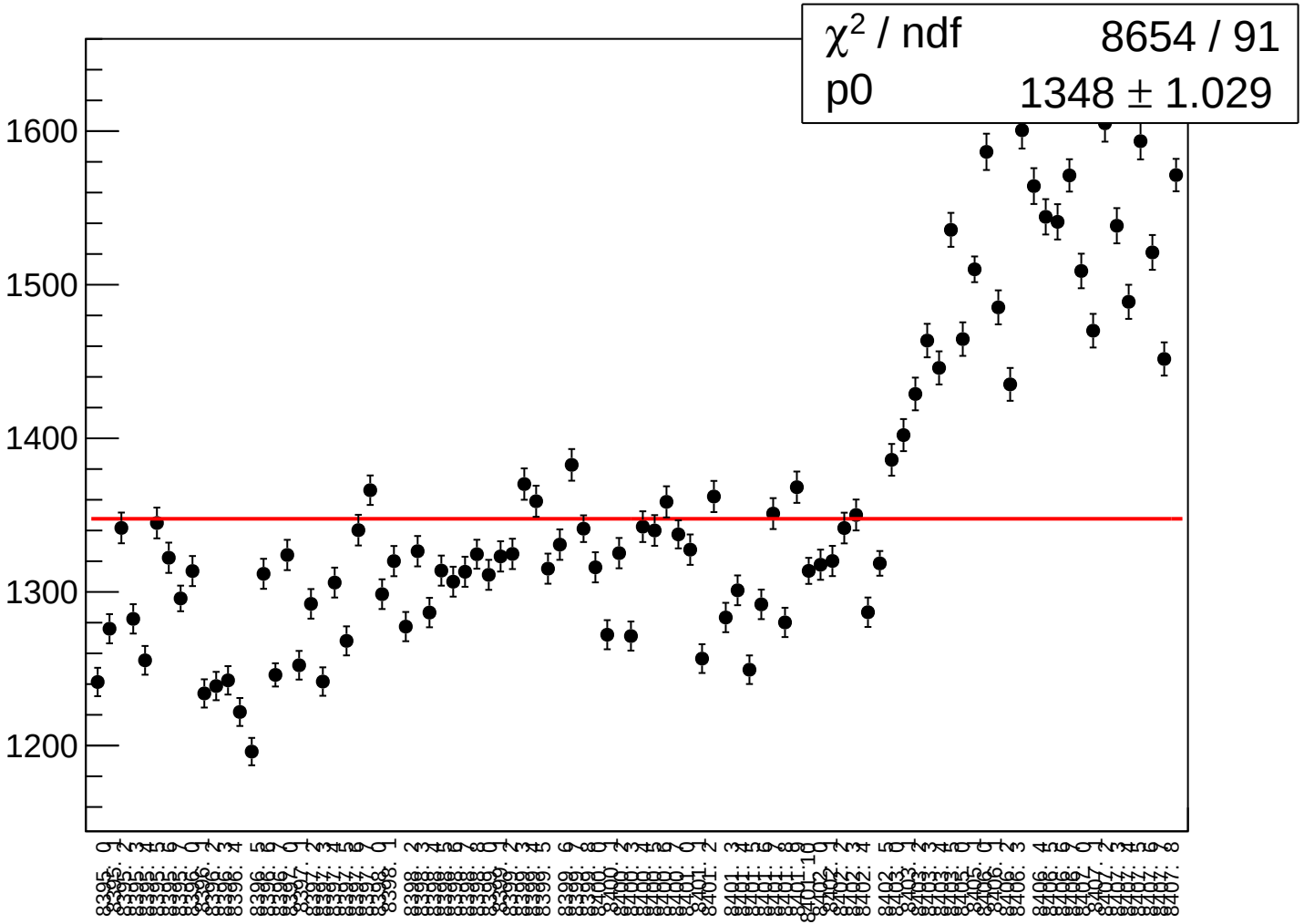

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 8653 / 91
p0 1348 ± 1.029
1600
1500
1400
1300
1200

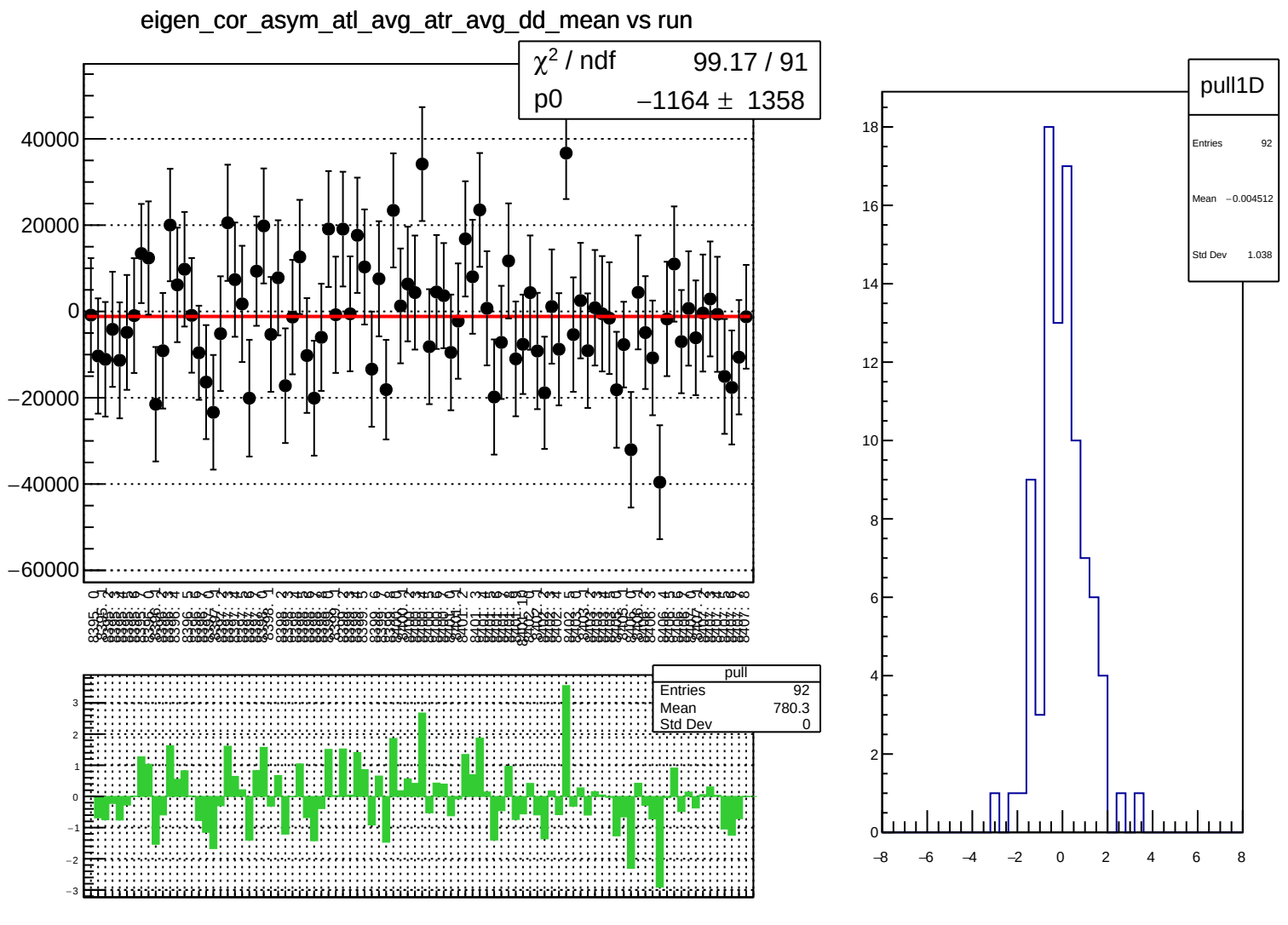

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 99.17 / 91
p0 −1164 ± 1358
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 780.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.004512
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

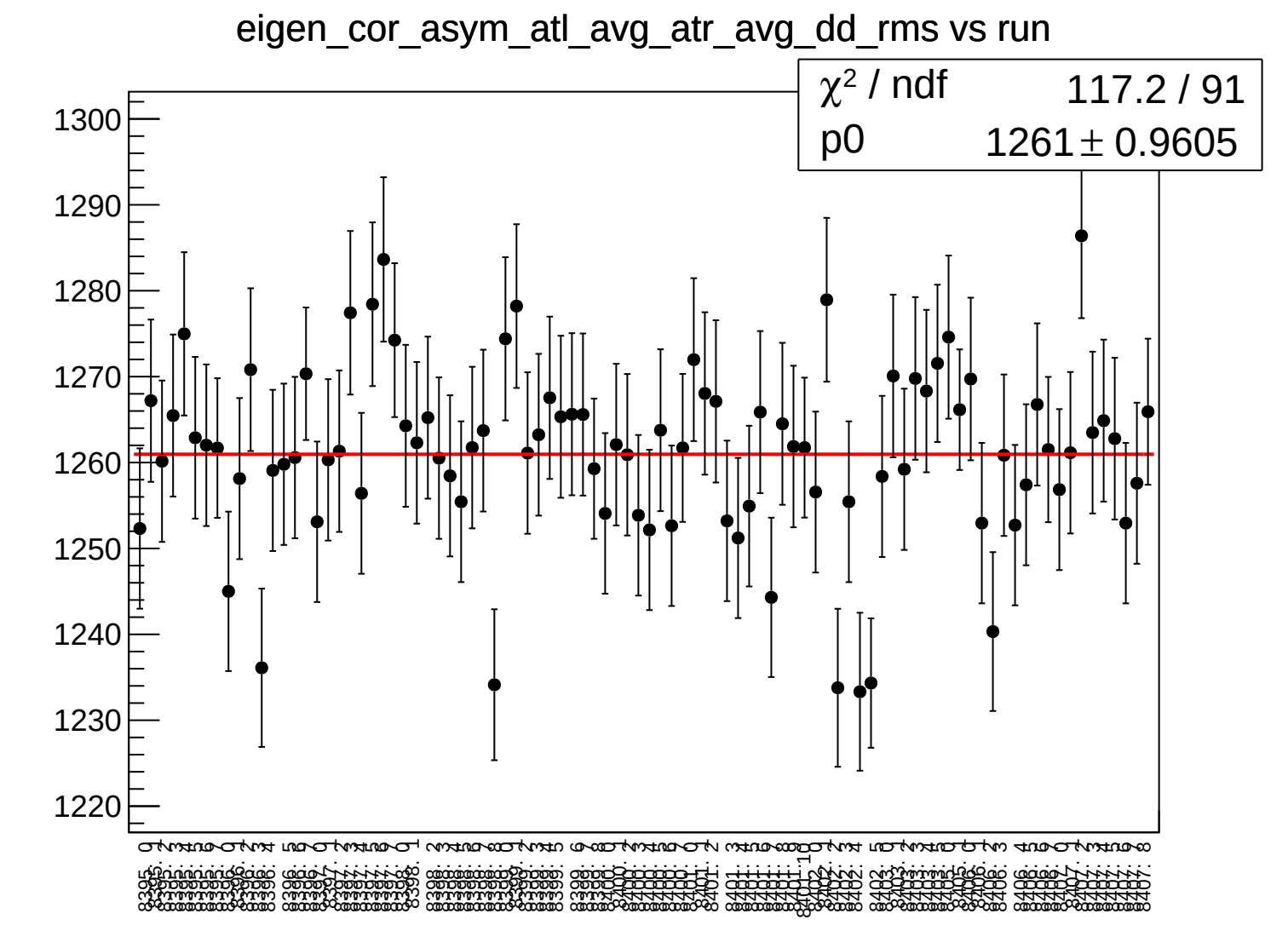

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 117.2 / 91
p0 1261 ± 0.9605
1300
1290
1280
1270
1260
1250
1240
1230
1220

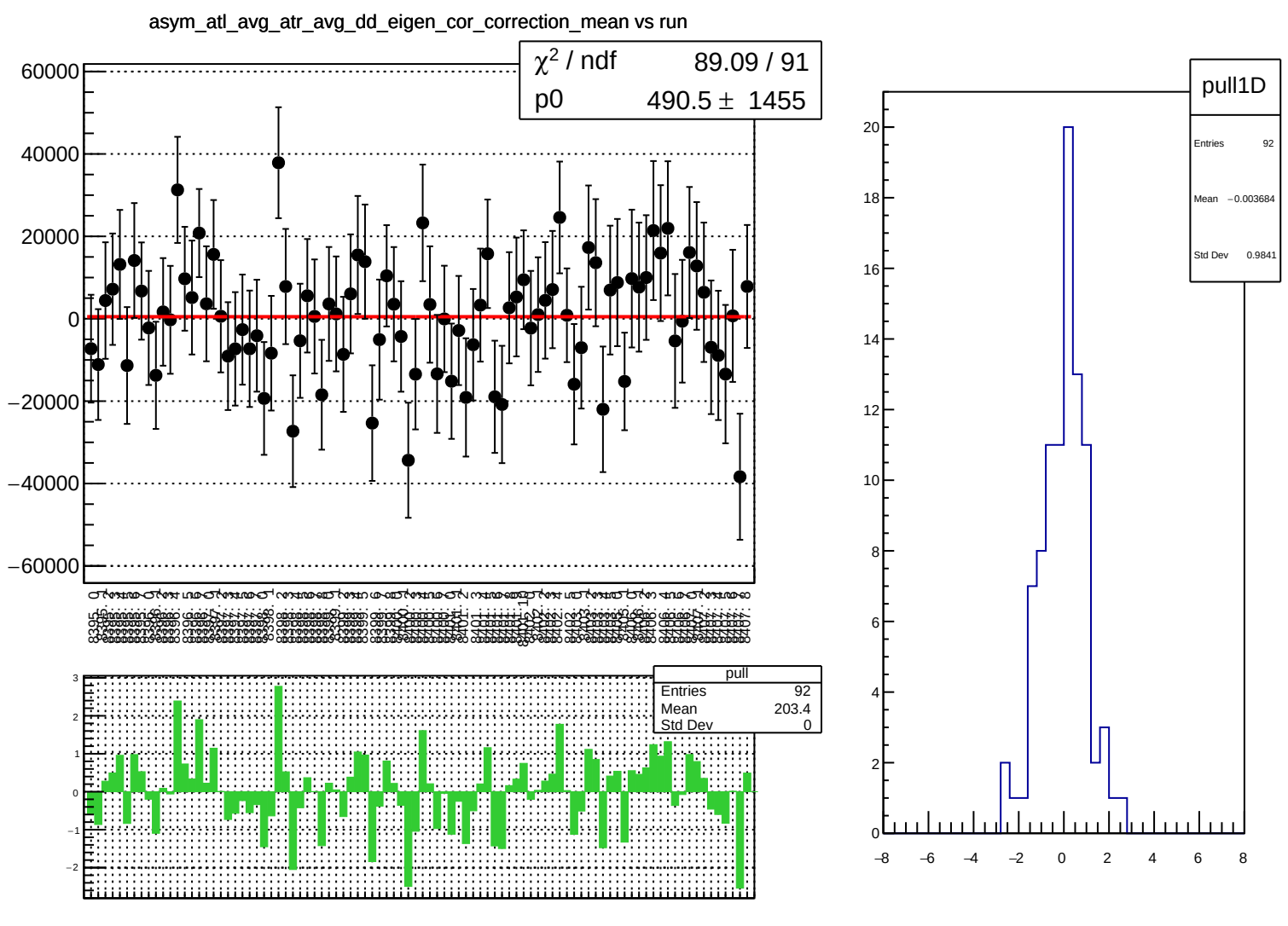

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 89.09 / 91
p0 490.5 ± 1455
pull
Entries 92
Mean 203.4
Std Dev 0

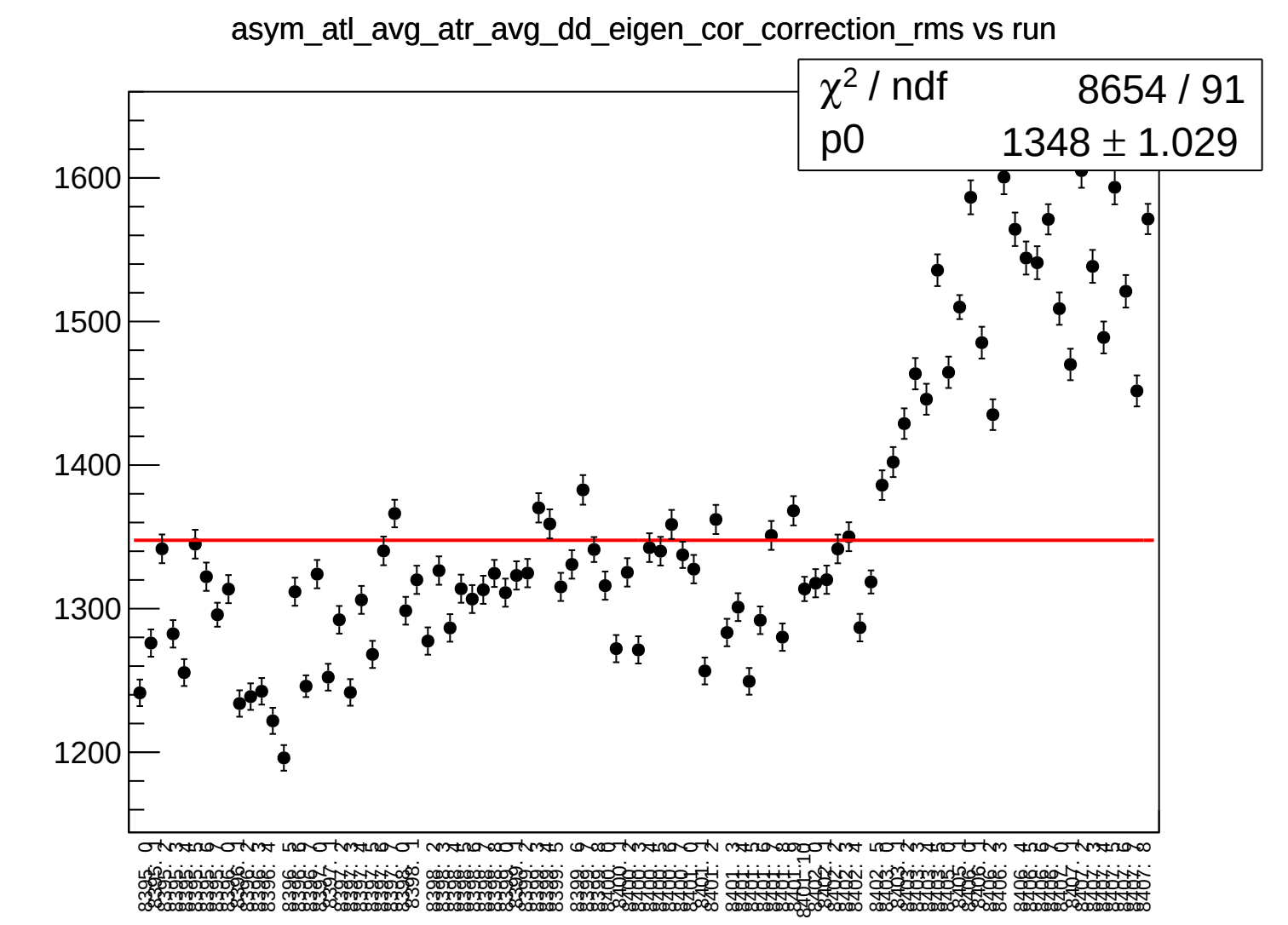

pull1D
Entries 92
Mean −0.003684
Std Dev 0.9841

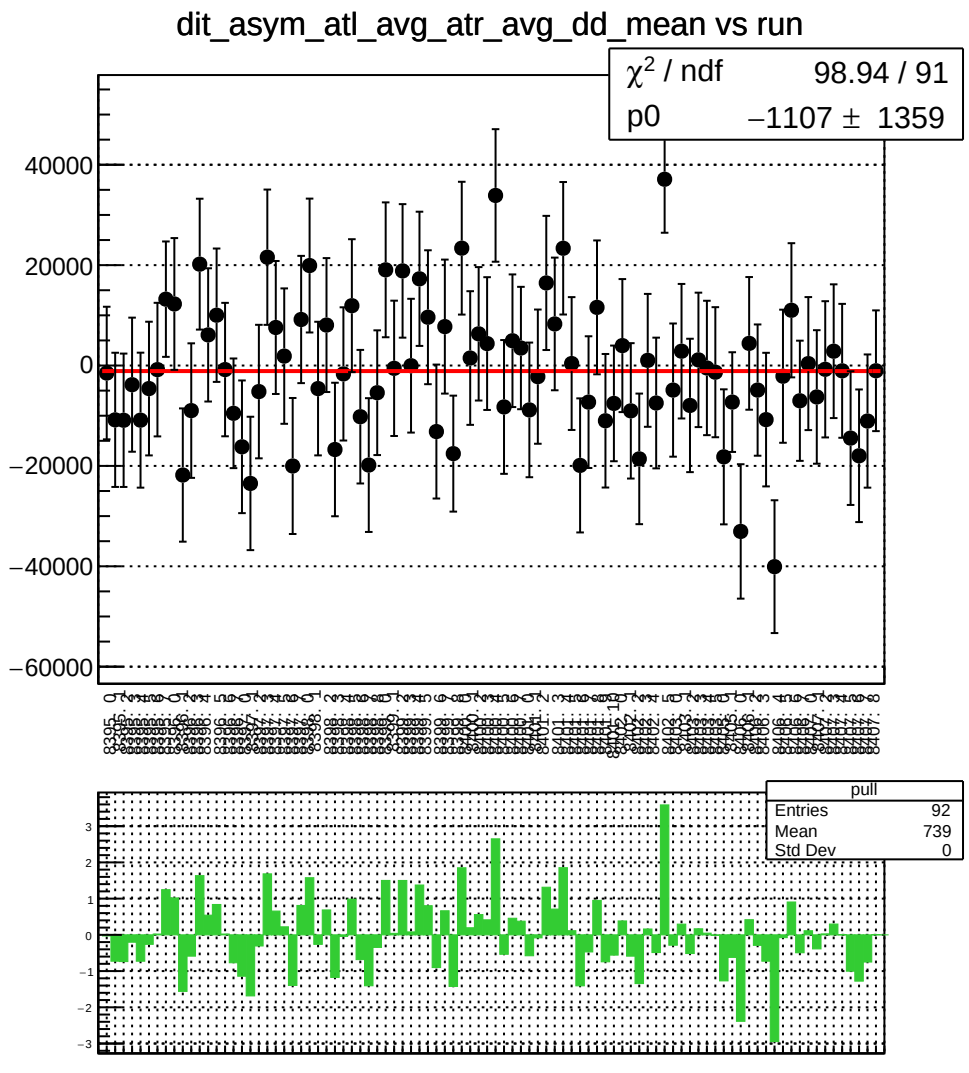

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 8654 / 91
p0 1348 ± 1.029
1600
1500
1400
1300
1200

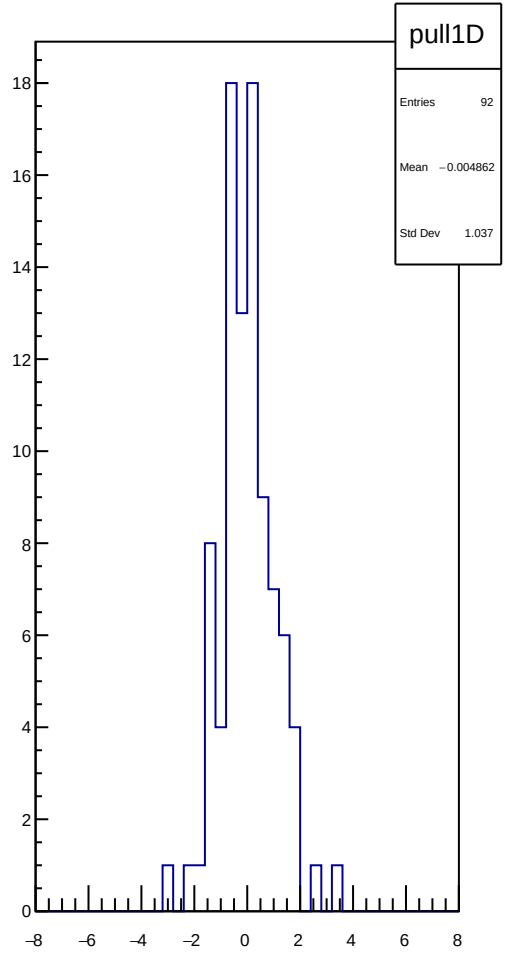

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 99.17 / 91
p0 −1164 ± 1358
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 780.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.004512
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

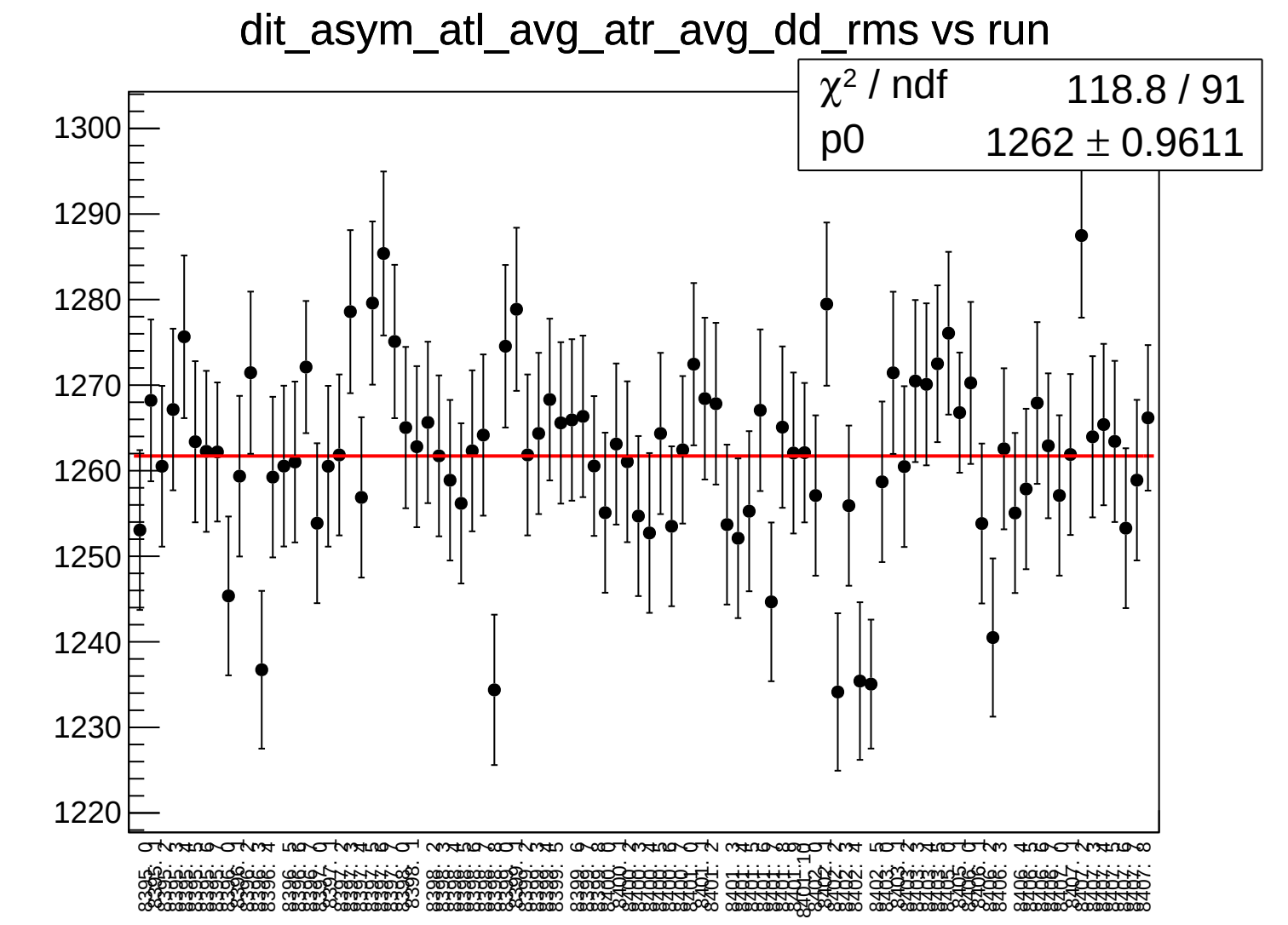

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 117.2 / 91
p0 1261 ± 0.9605
1300
1290
1280
1270
1260
1250
1240
1230
1220

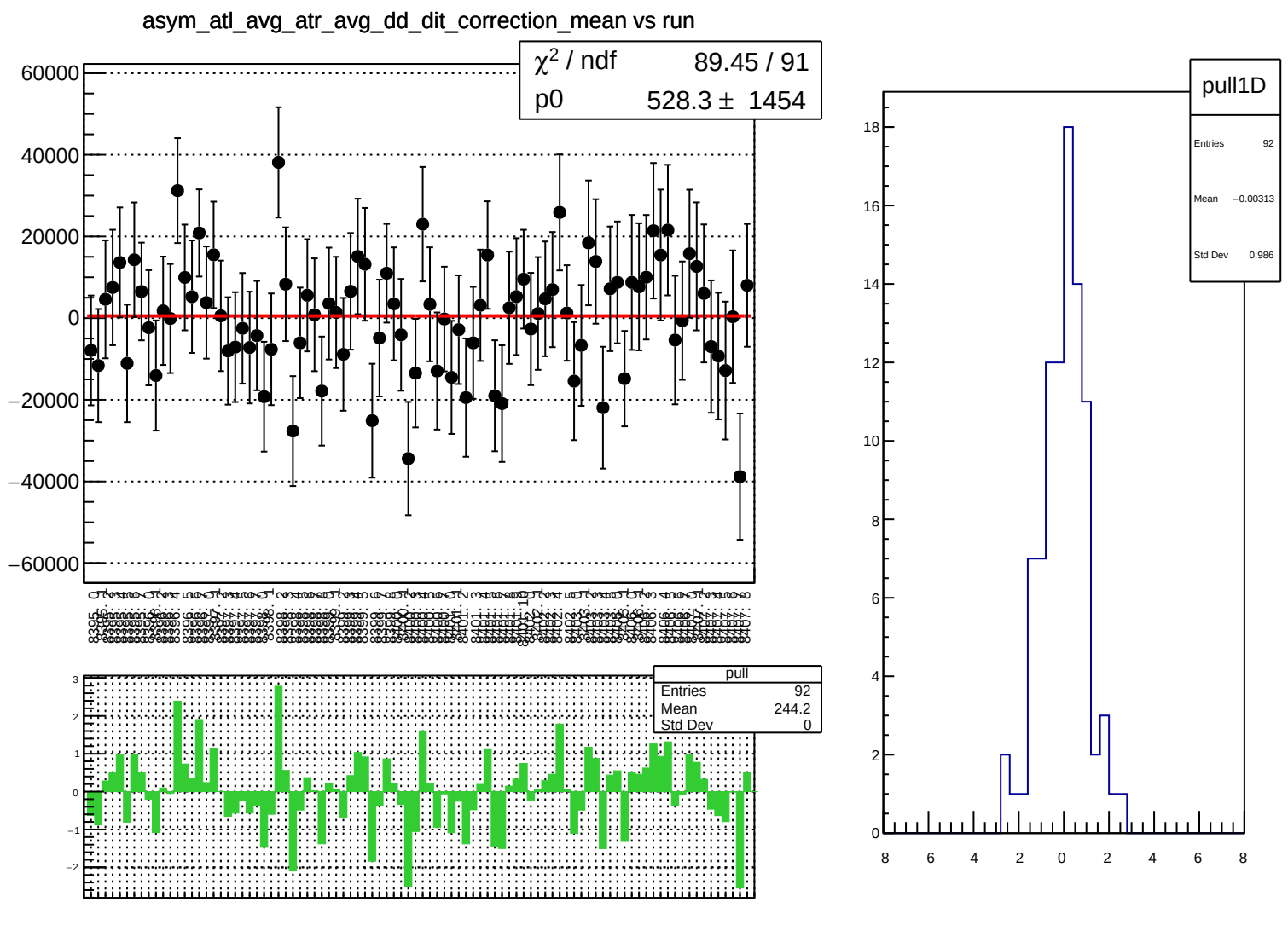

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 89.09 / 91
p0 490.5 ± 1455
pull
Entries 92
Mean 203.4
Std Dev 0
pull1D
Entries 92
Mean −0.003684
Std Dev 0.9841

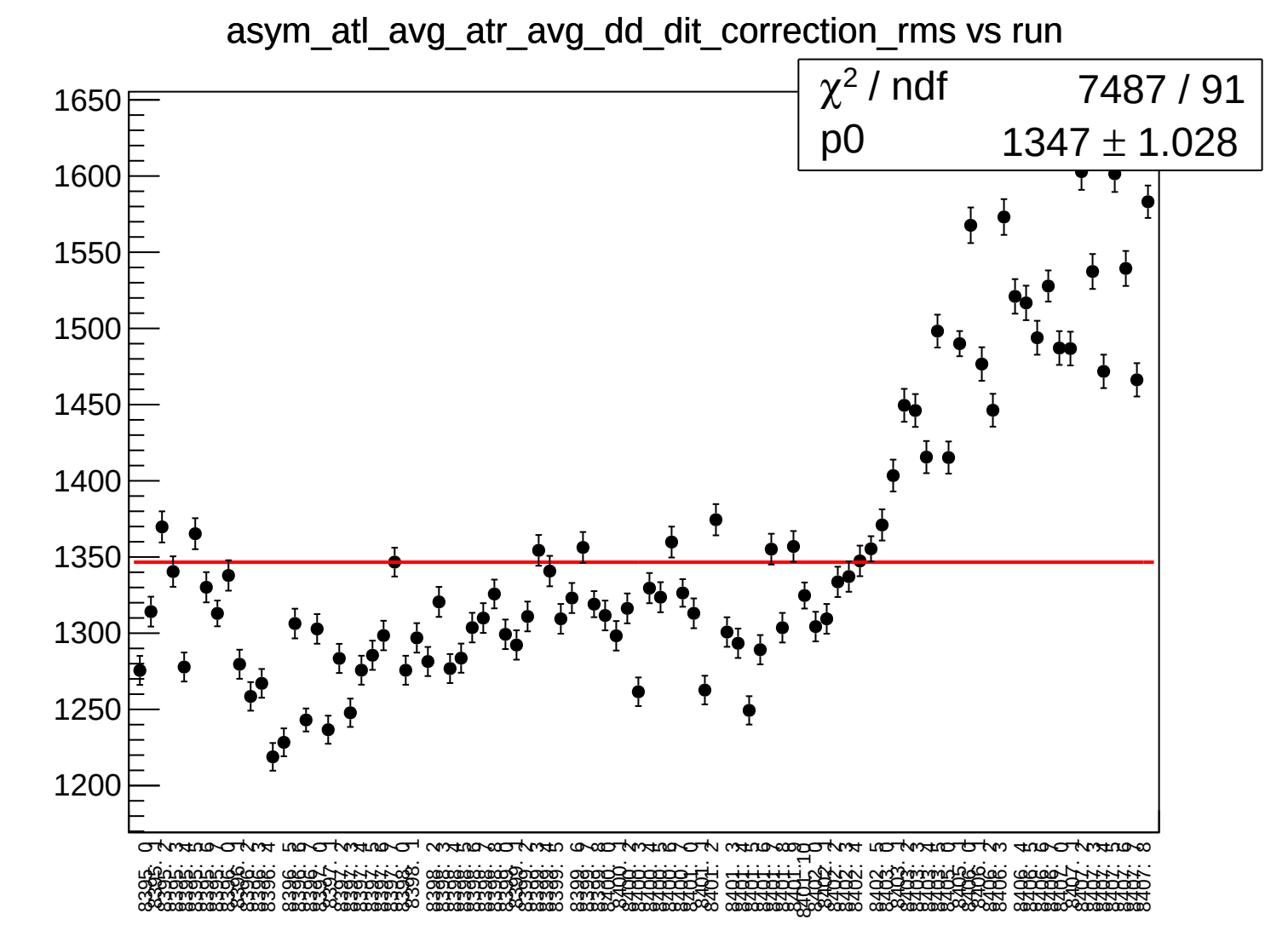

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 8654 / 91
p0 1348 ± 1.029
1600
1500
1400
1300
1200

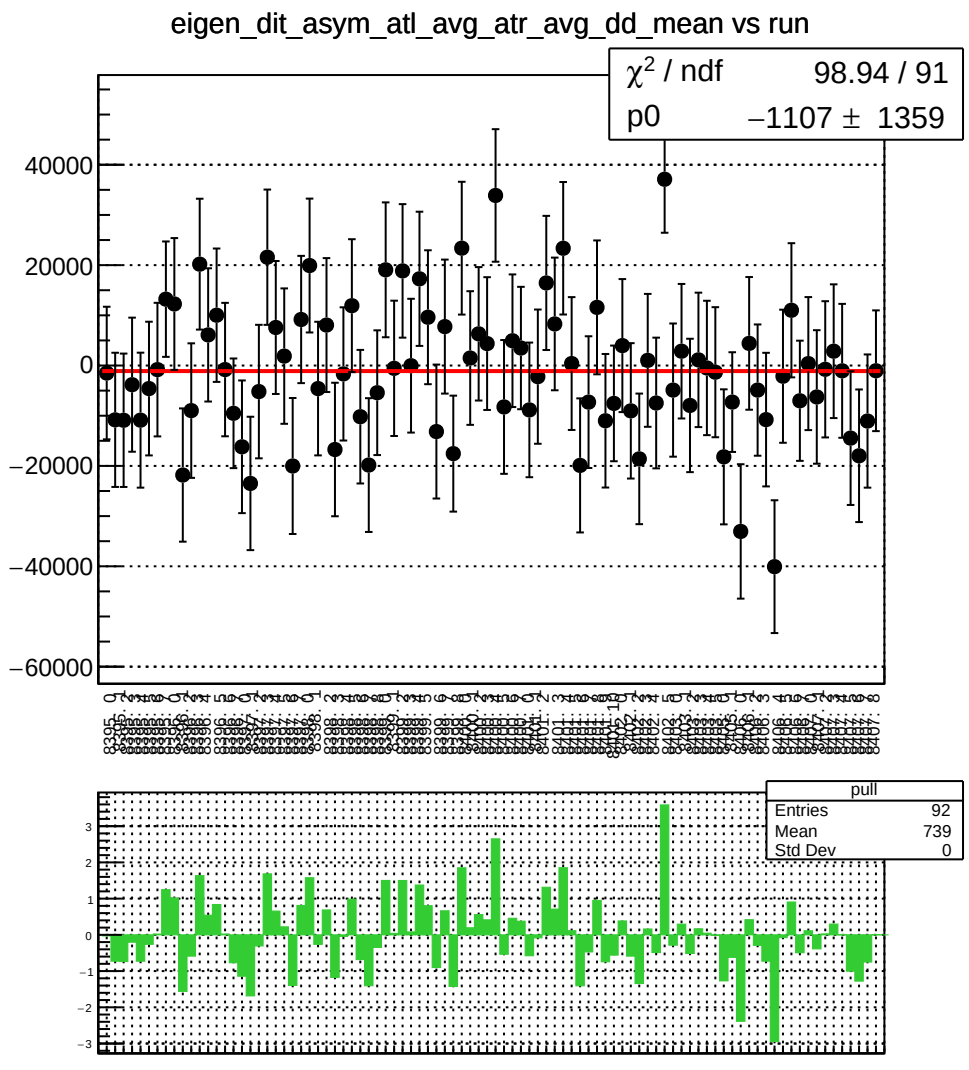

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 98.94 / 91
p0 −1107 ± 1359
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 739
Std Dev 0
3
2
1
0
−1
−2
−3

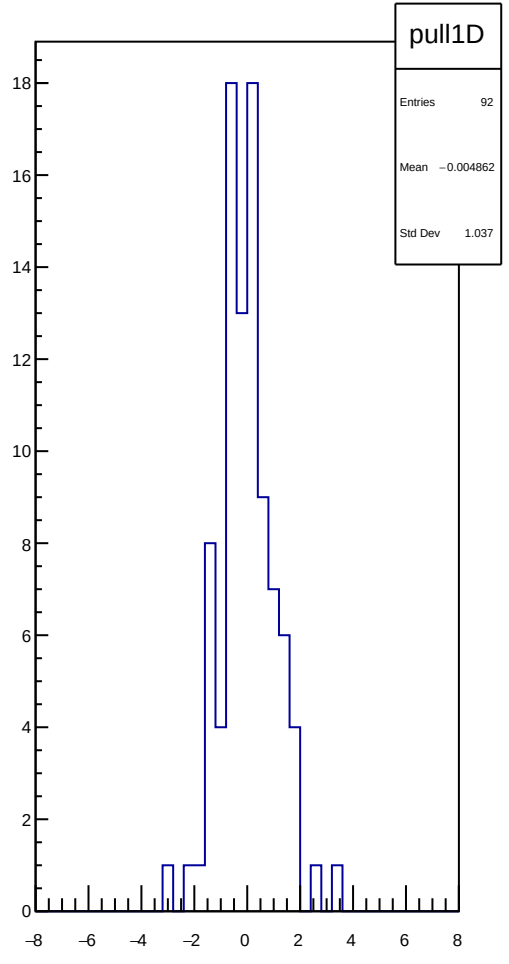

pull1D
Entries 92
Mean −0.004862
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

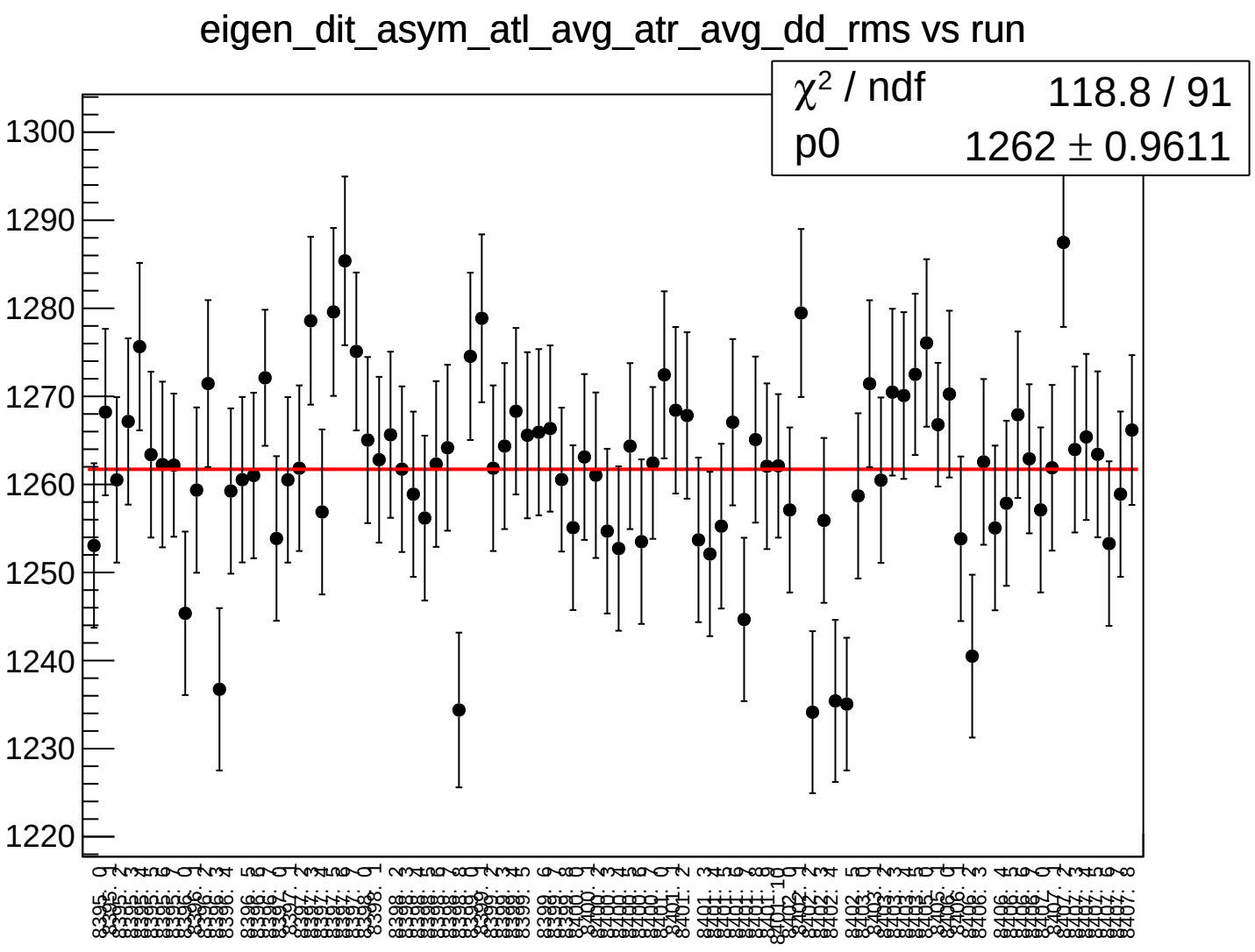

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 118.8 / 91
p0 1262 ± 0.9611
1300
1290
1280
1270
1260
1250
1240
1230
1220

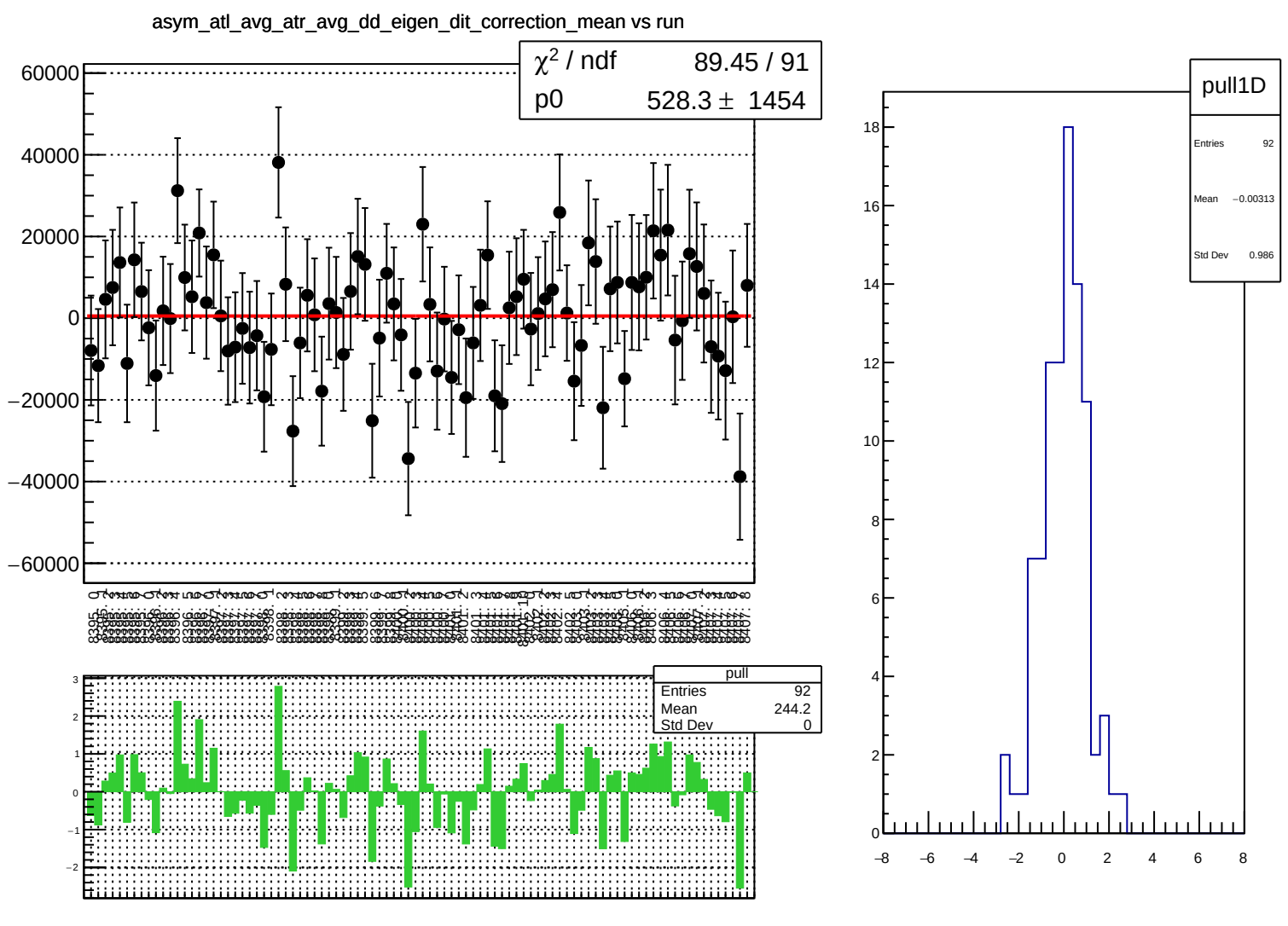

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 89.45 / 91
p0 528.3 ± 1454
pull
Entries 92
Mean 244.2
Std Dev 0
pull1D
Entries 92
Mean −0.00313
Std Dev 0.986

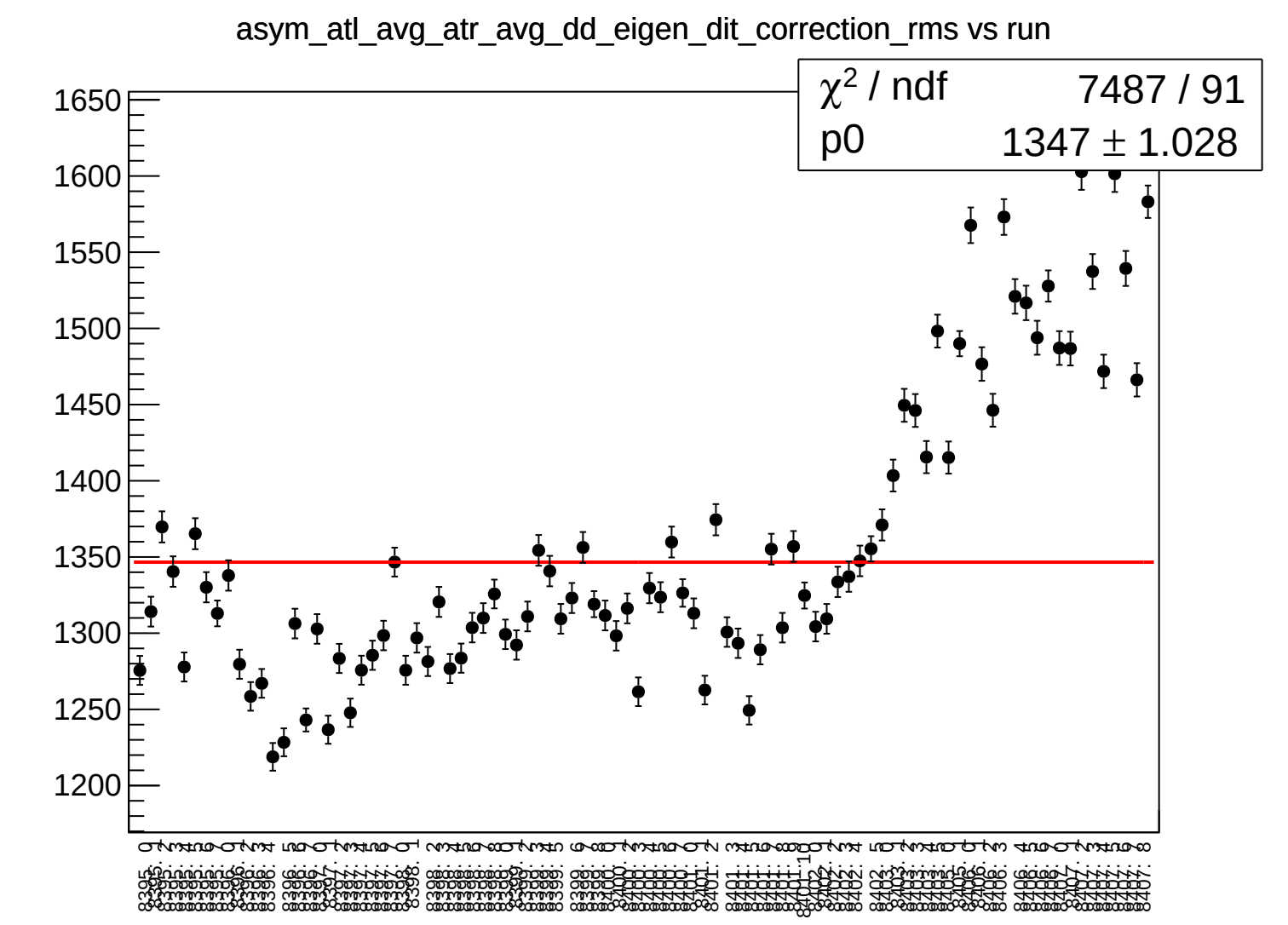

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 7487 / 91
p0 1347 ± 1.028
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

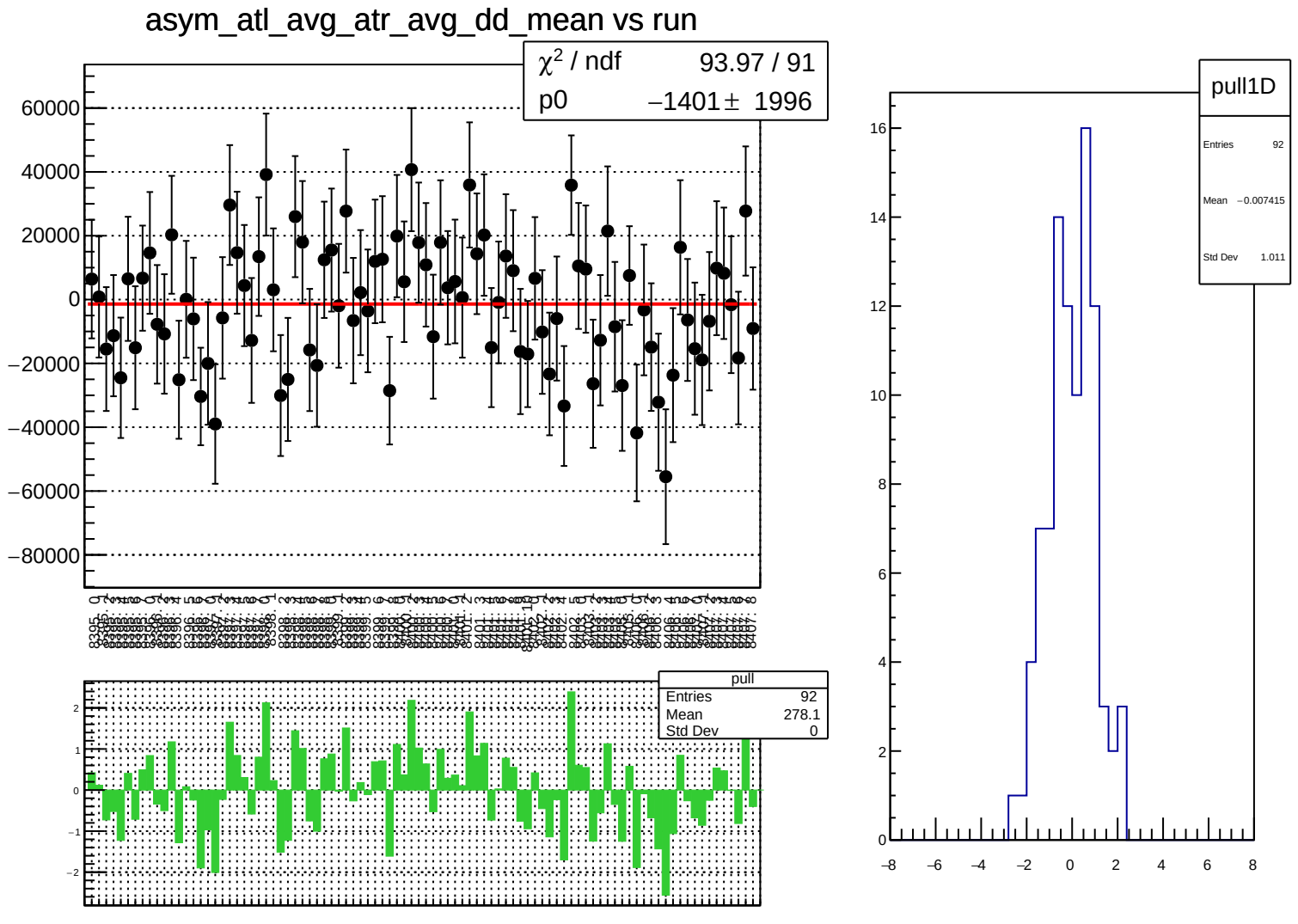

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 98.94 / 91
p0 −1107 ± 1359
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 739
Std Dev 0
3
2
1
0
−1
−2
−3

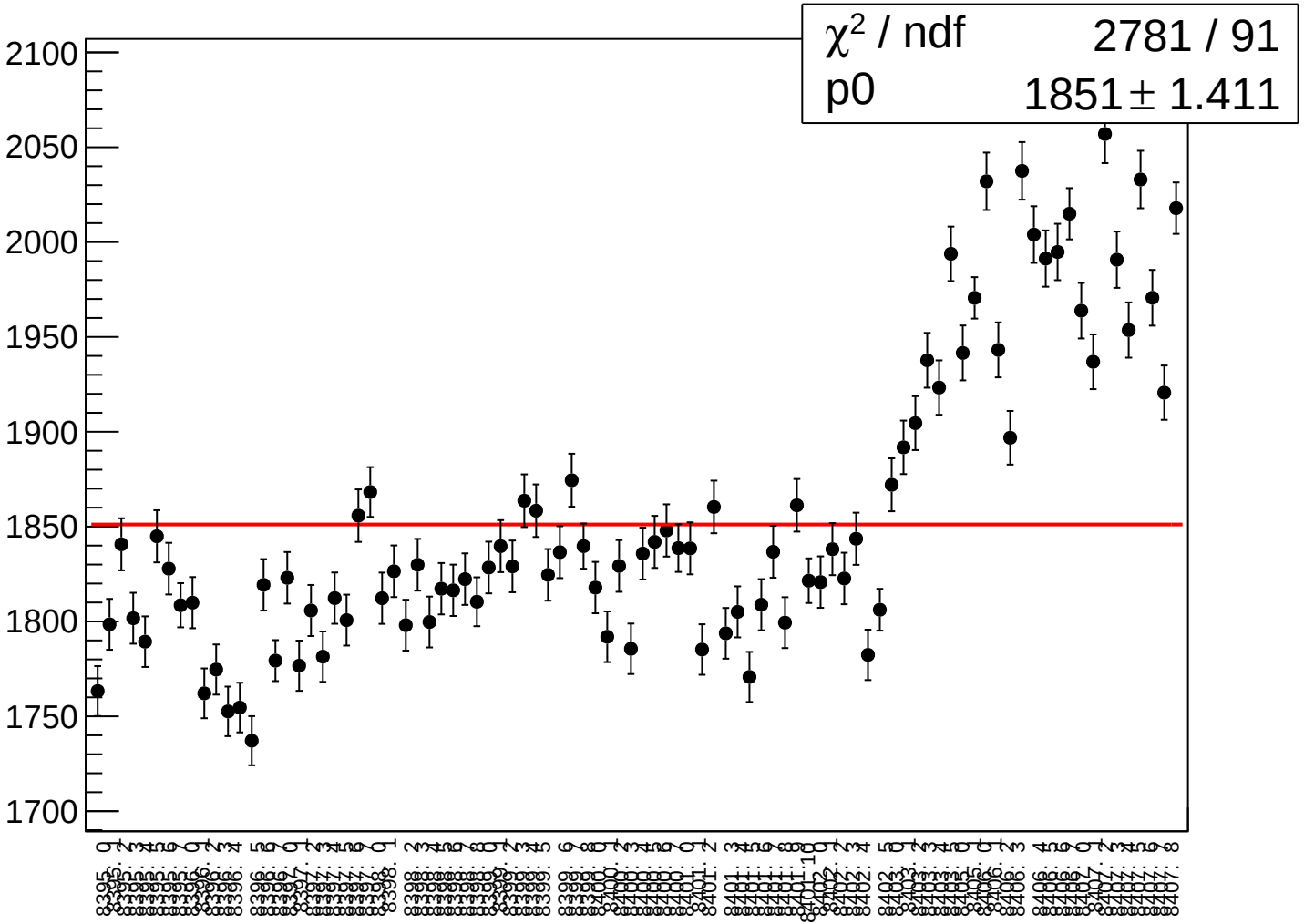

pull1D
Entries 92
Mean −0.004862
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

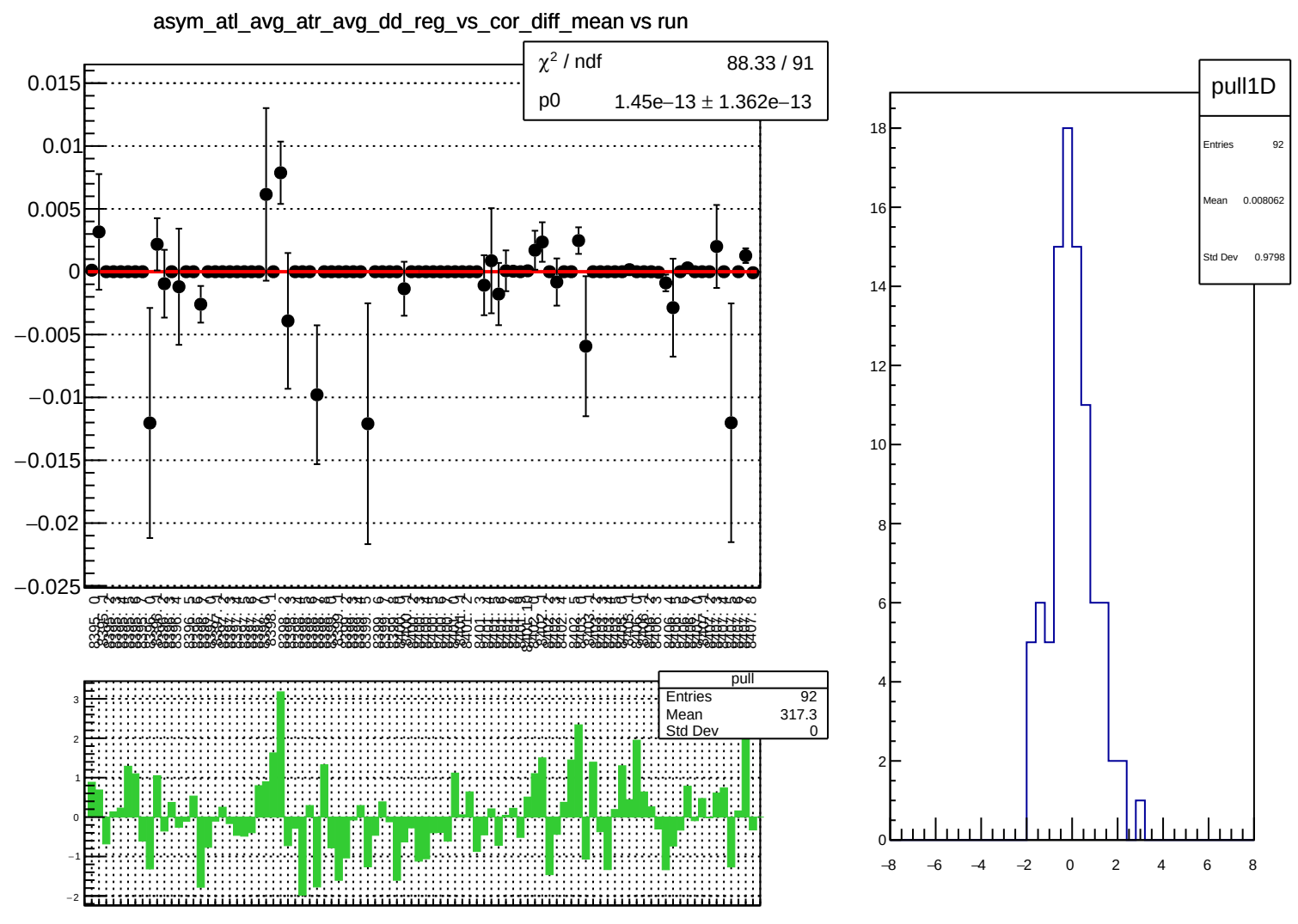

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 118.8 / 91
p0 1262 ± 0.9611
1300
1290
1280
1270
1260
1250
1240
1230
1220

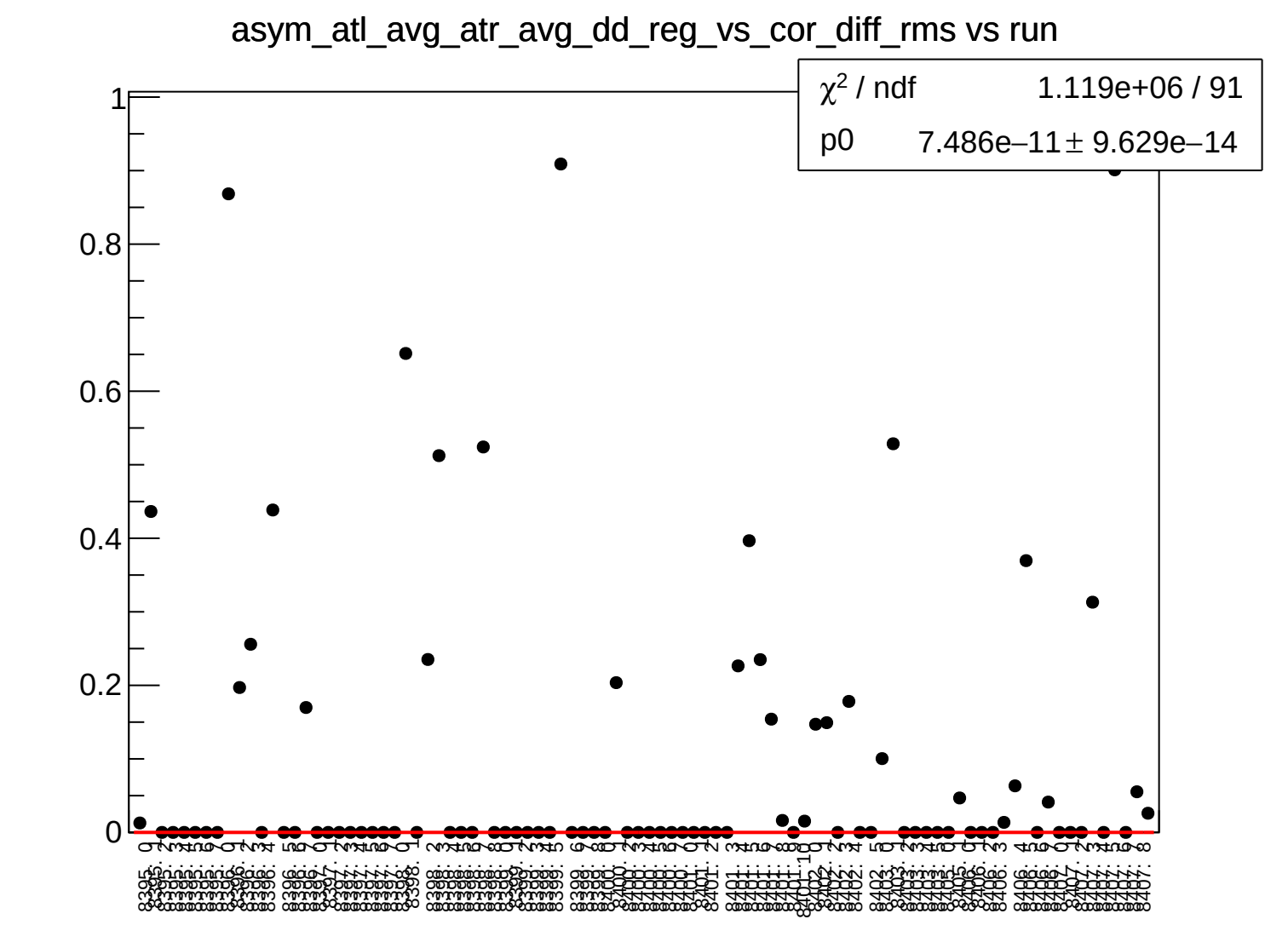

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 89.45 / 91
p0 528.3 ± 1454
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 244.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.00313
Std Dev 0.986
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

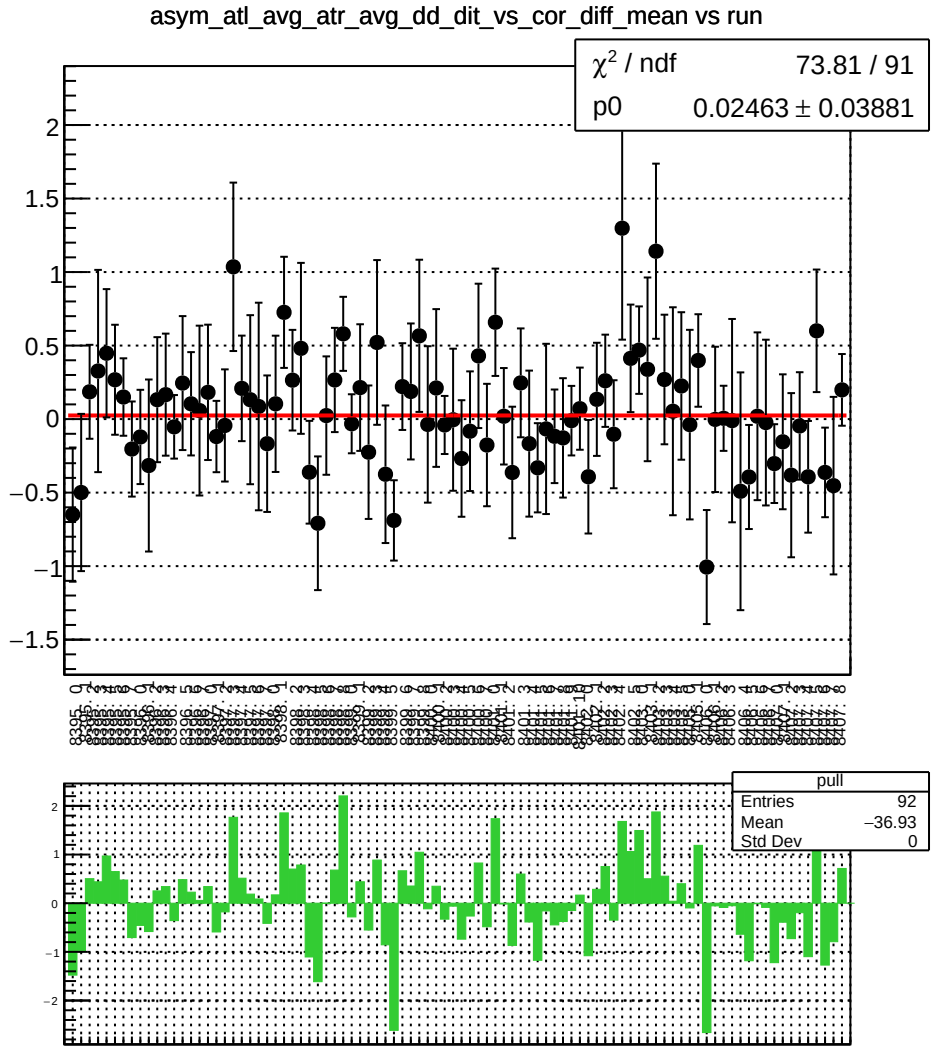

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7487 / 91
p0 1347 ± 1.028
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

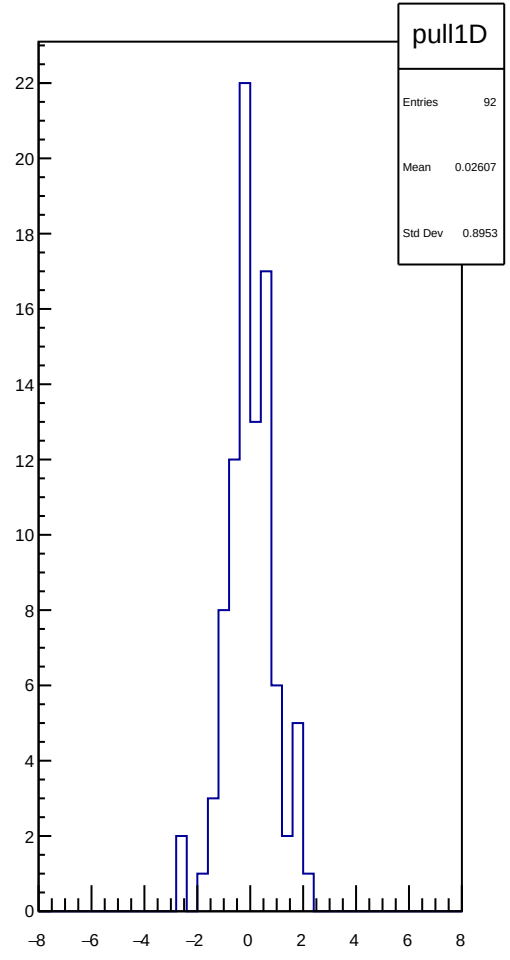

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 93.97 / 91
p0 −1401 ± 1996
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 278.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.007415
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

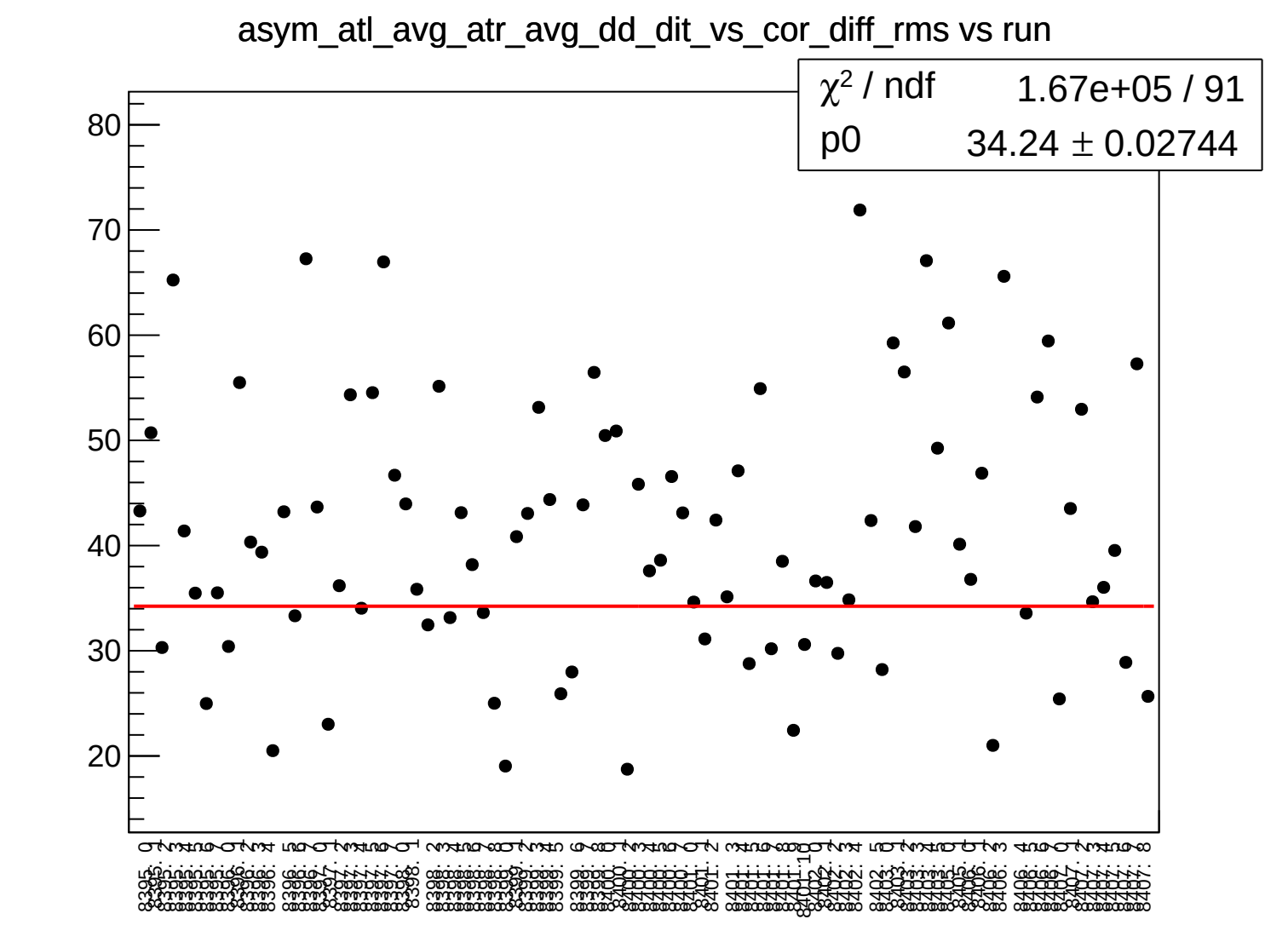

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2781 / 91
p0 1851 ± 1.411
2100
2050
2000
1950
1900
1850
1800
1750
1700

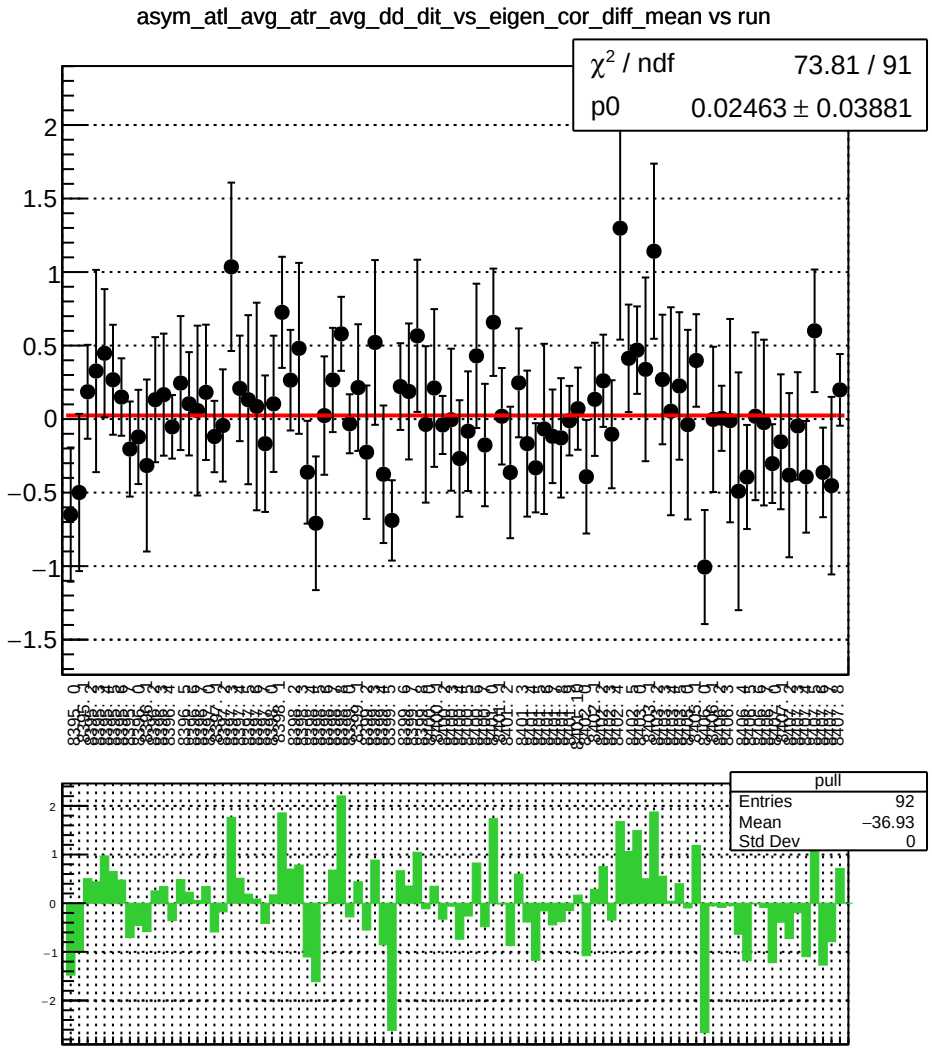

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 88.33 / 91
p0 1.45e−13 ± 1.362e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 92
Mean 317.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.008062
Std Dev 0.9798
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

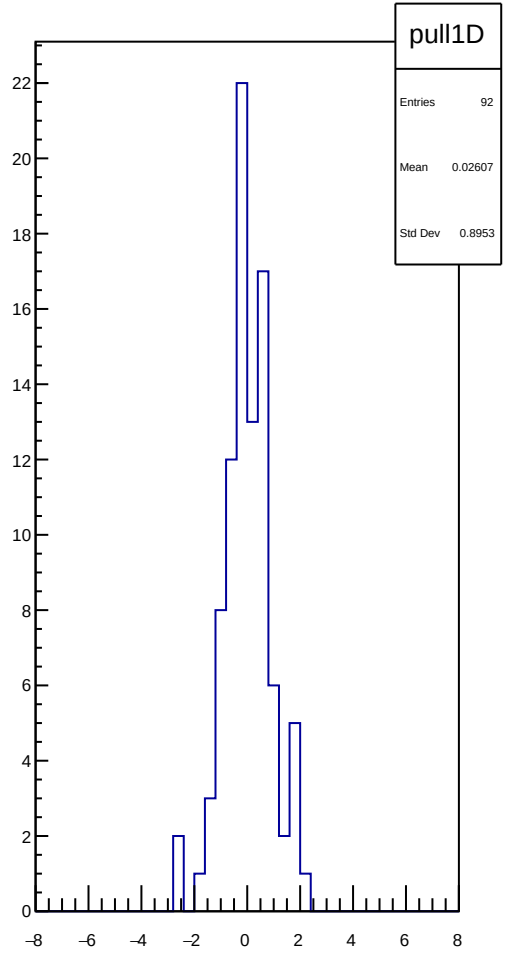

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.119e+06 / 91
p0 7.486e−11 ± 9.629e−14
1
0.8
0.6
0.4
0.2
0

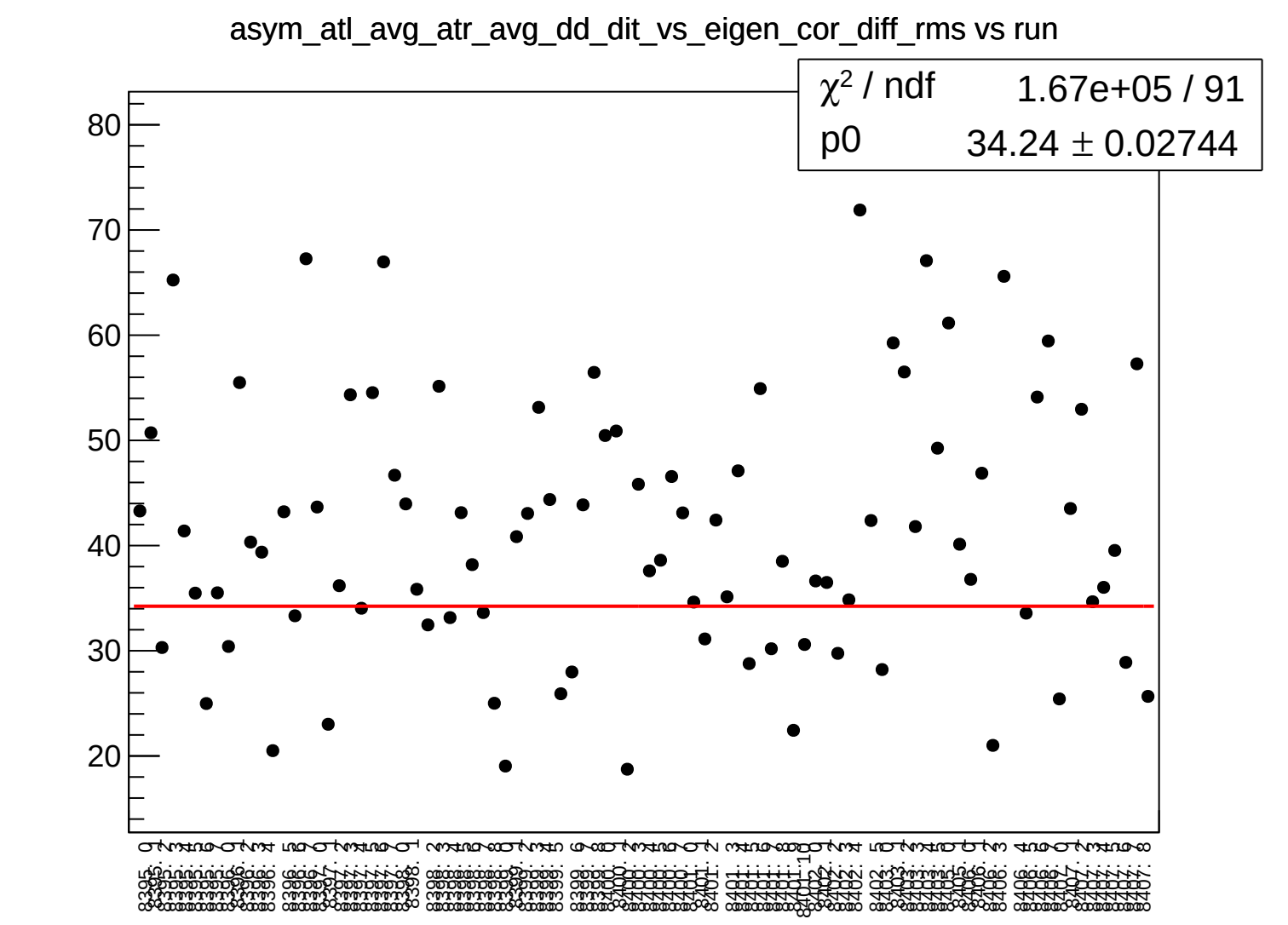

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02463 ± 0.03881
pull
Entries 92
Mean −36.93
Std Dev 0

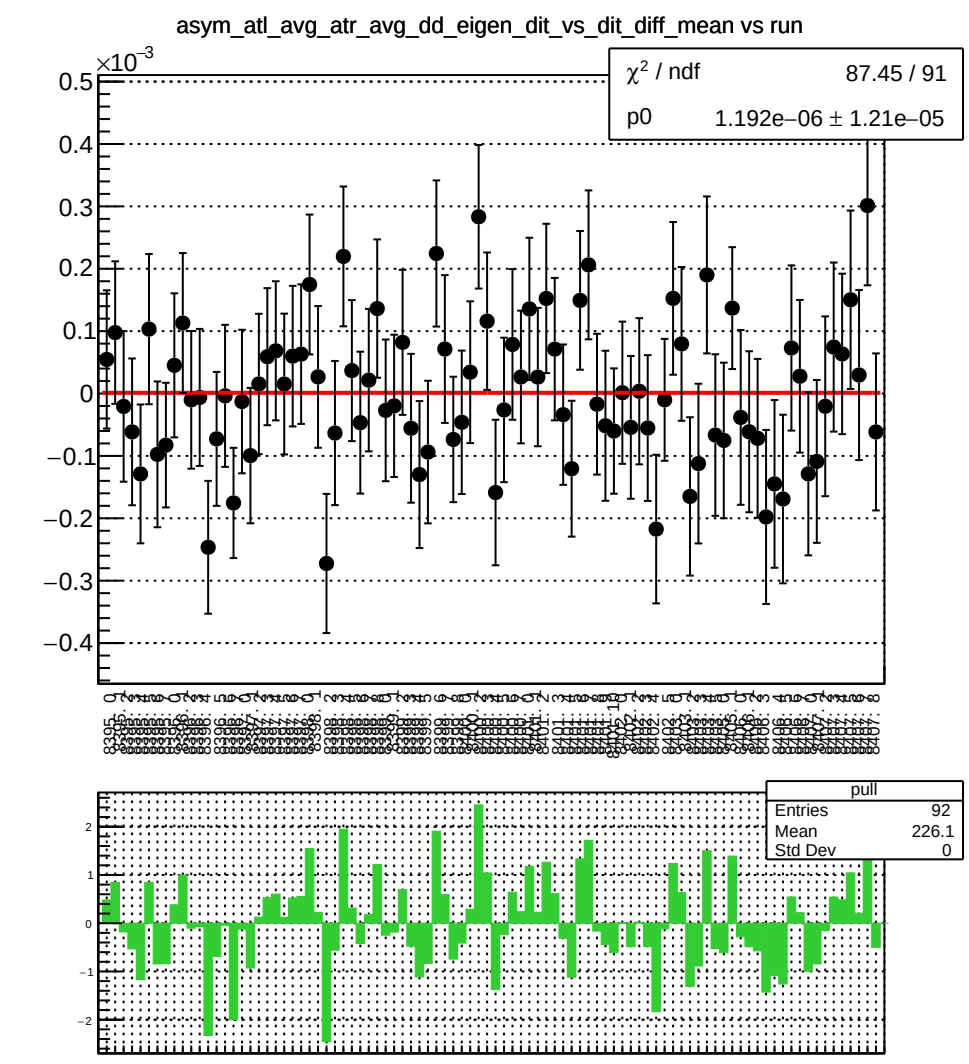

pull1D
Entries 92
Mean 0.02607
Std Dev 0.8953

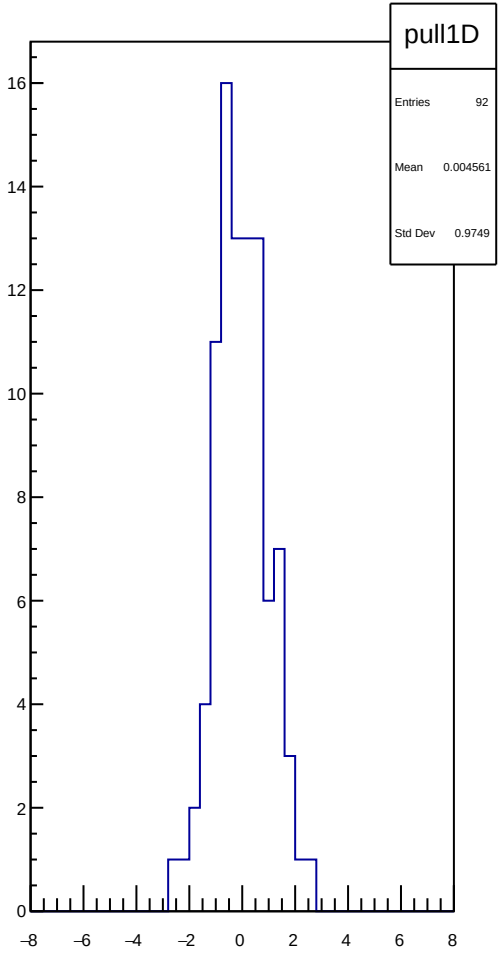

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.67e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

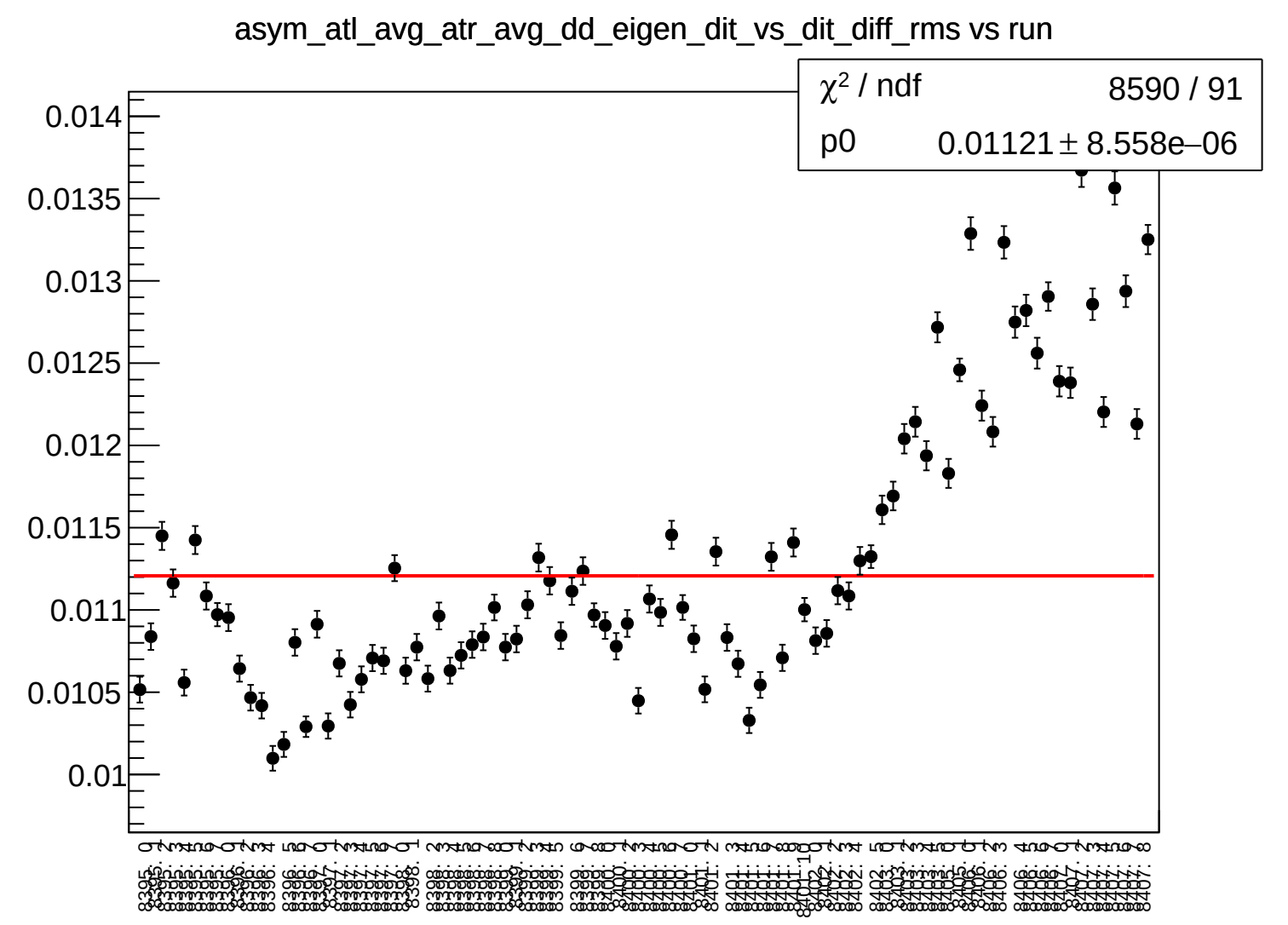

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02463 ± 0.03881
pull
Entries 92
Mean −36.93
Std Dev 0

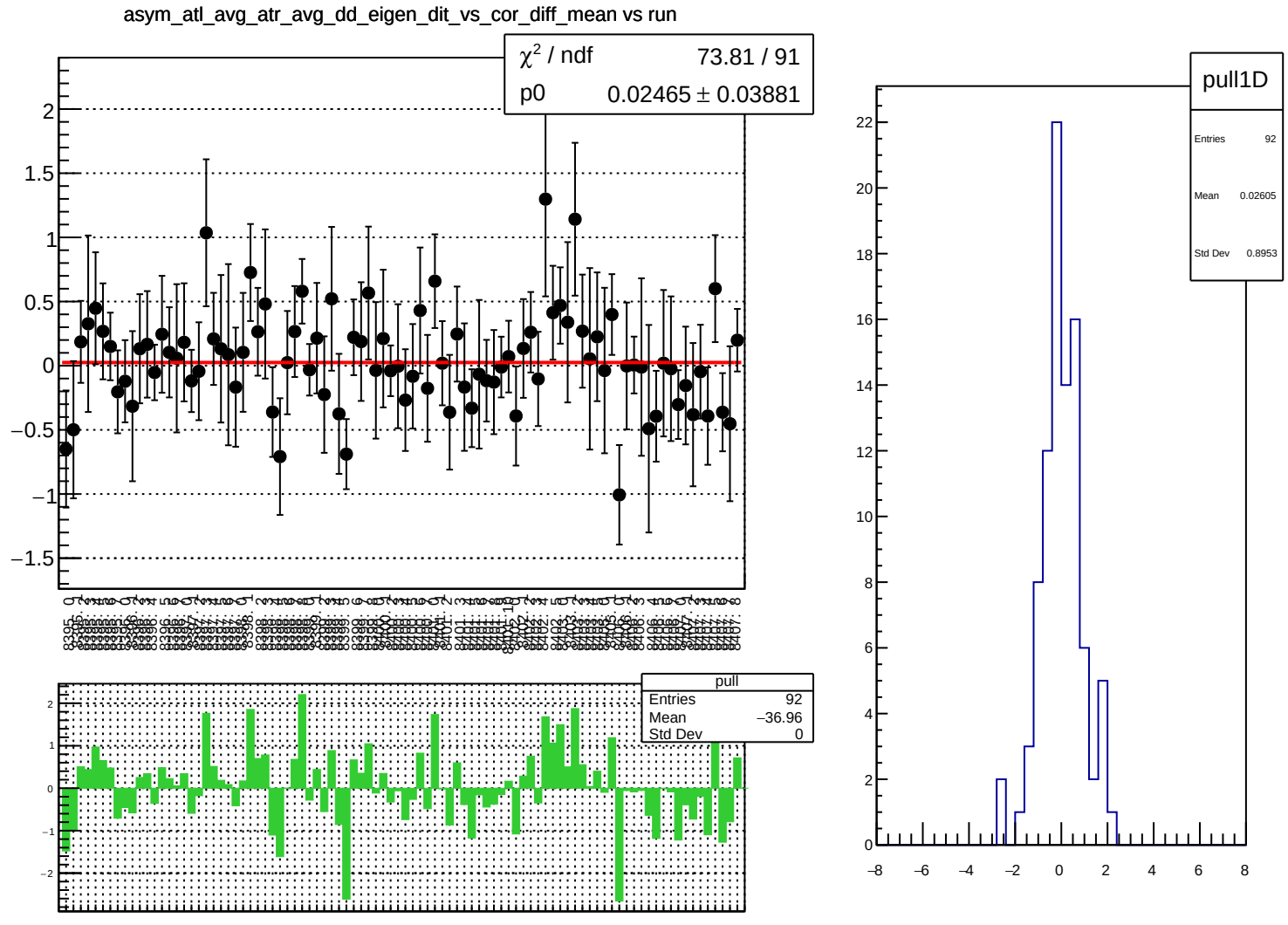

pull1D
Entries 92
Mean 0.02607
Std Dev 0.8953

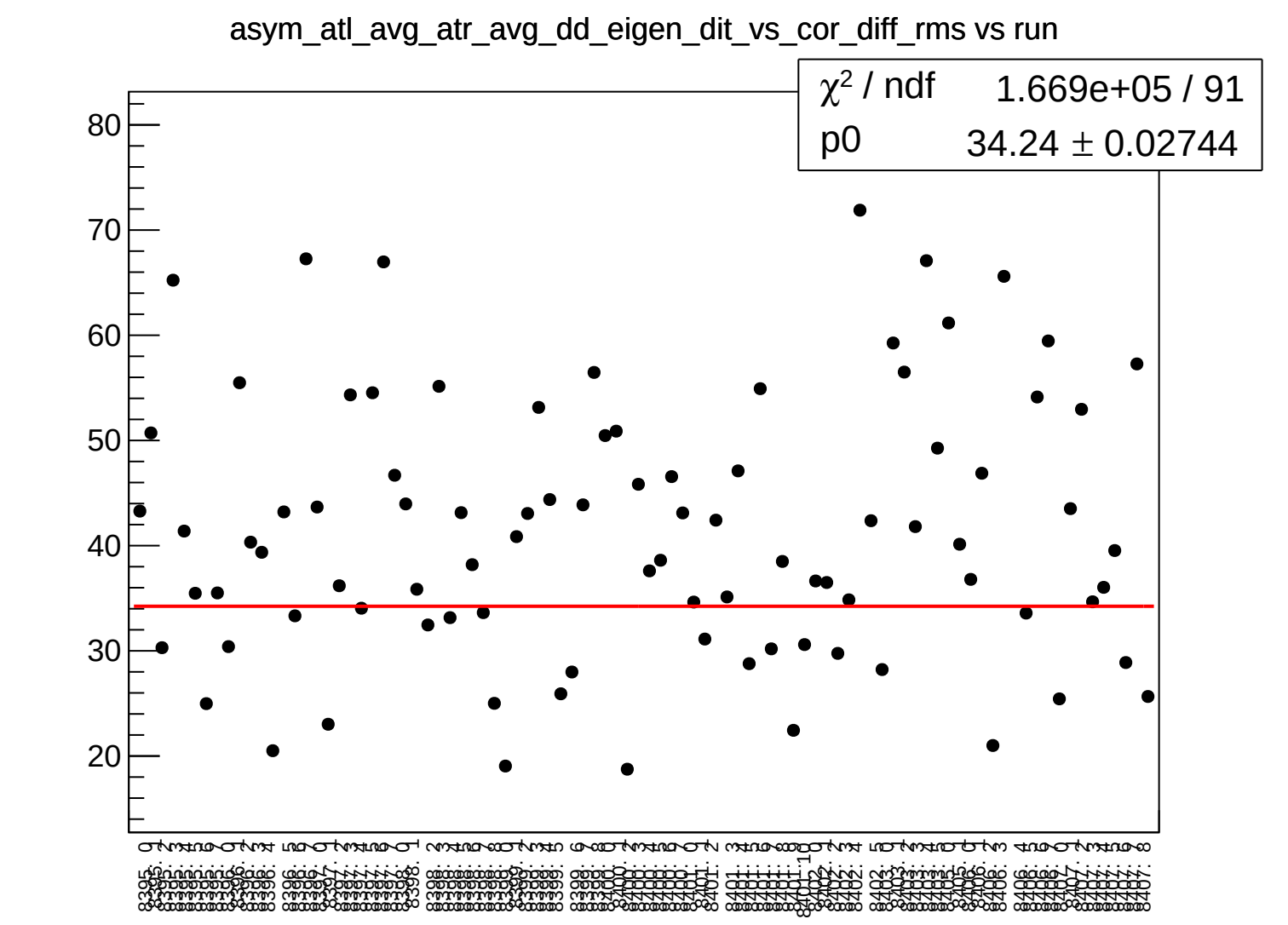

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.67e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

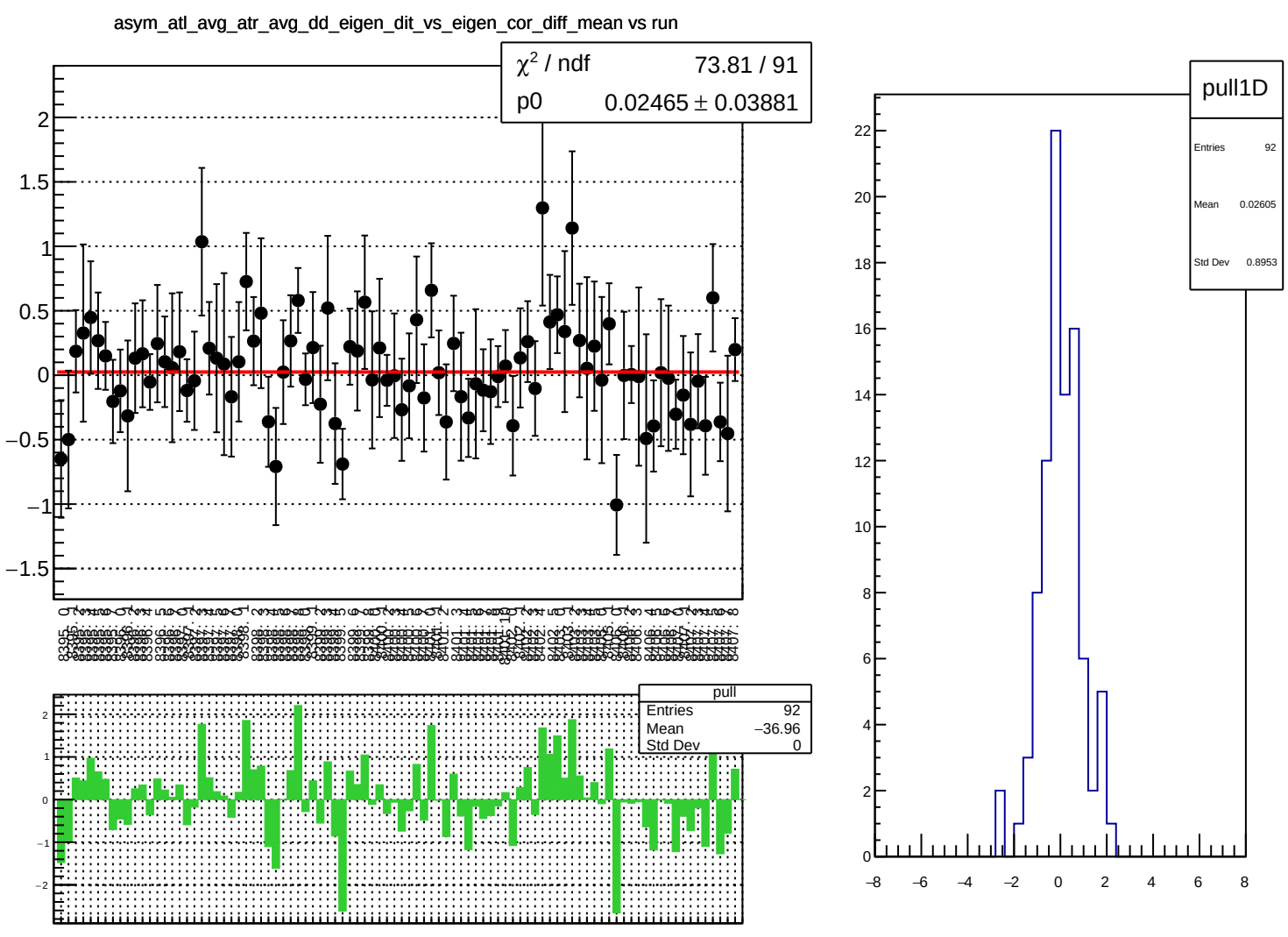

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.45 / 91
p0 1.192e−06 ± 1.21e−05
pull
Entries 92
Mean 226.1
Std Dev 0

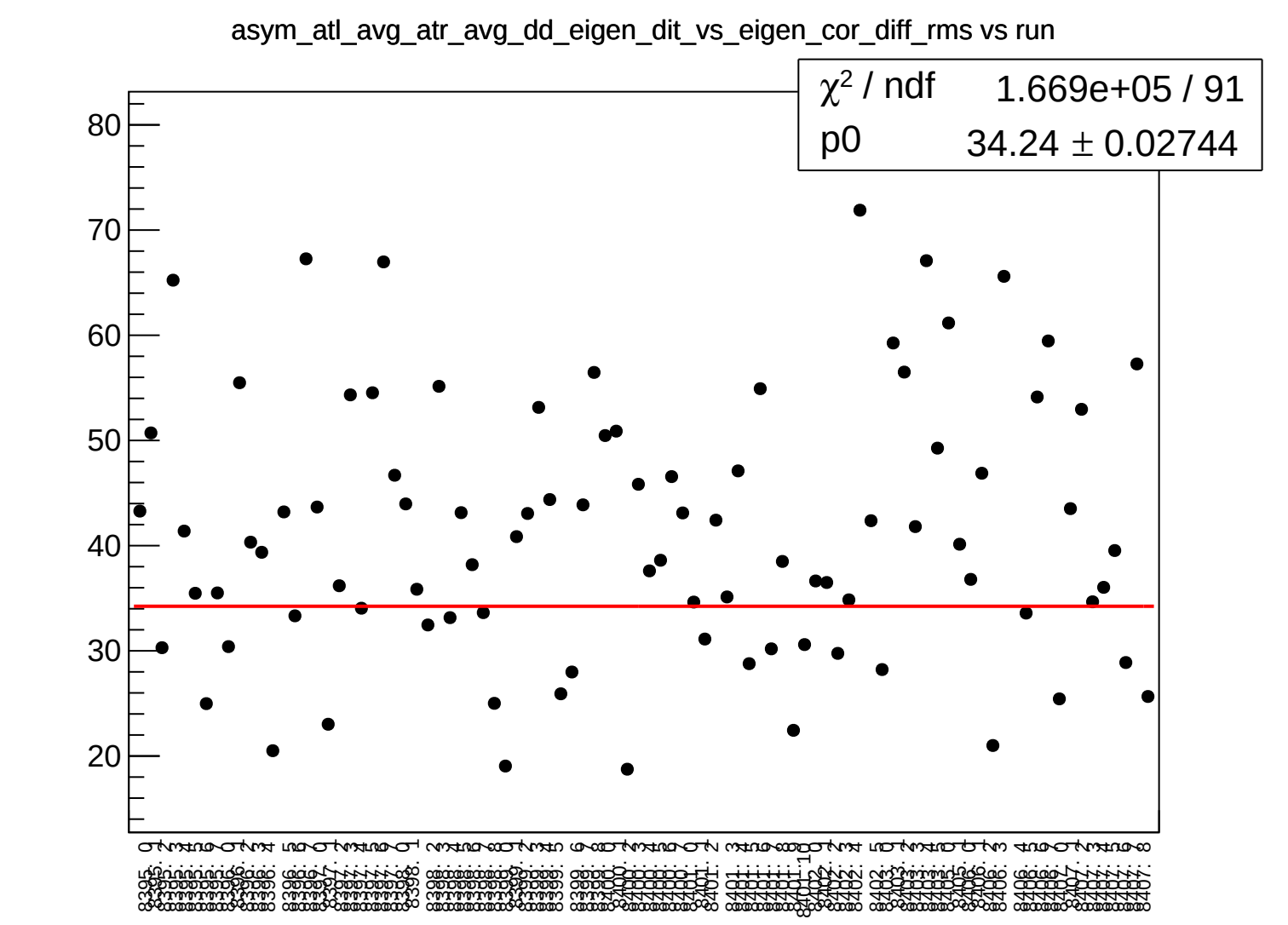

pull1D
Entries 92
Mean 0.004561
Std Dev 0.9749

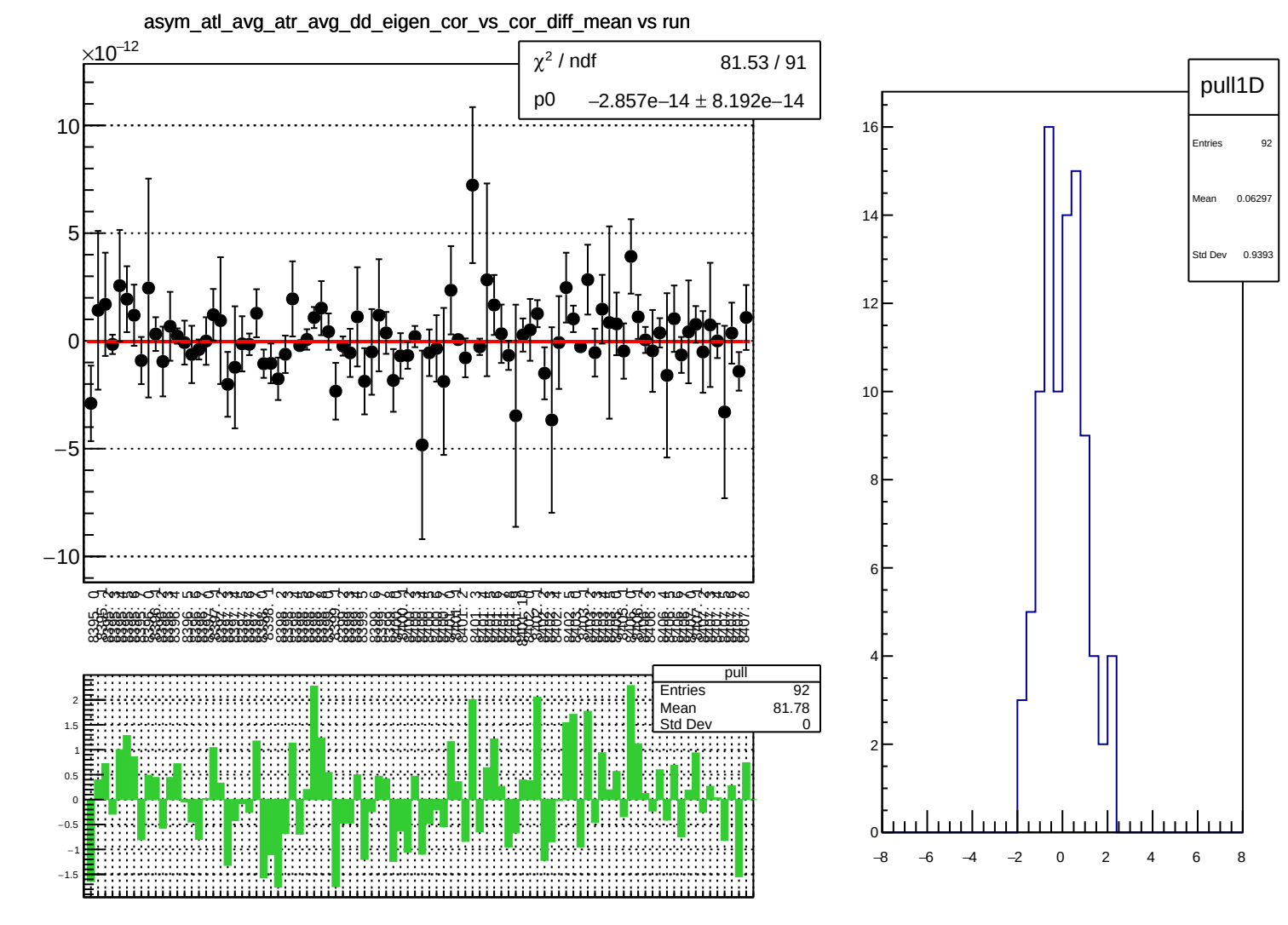

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8590 / 91
p0 0.01121 ± 8.558e−06
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01

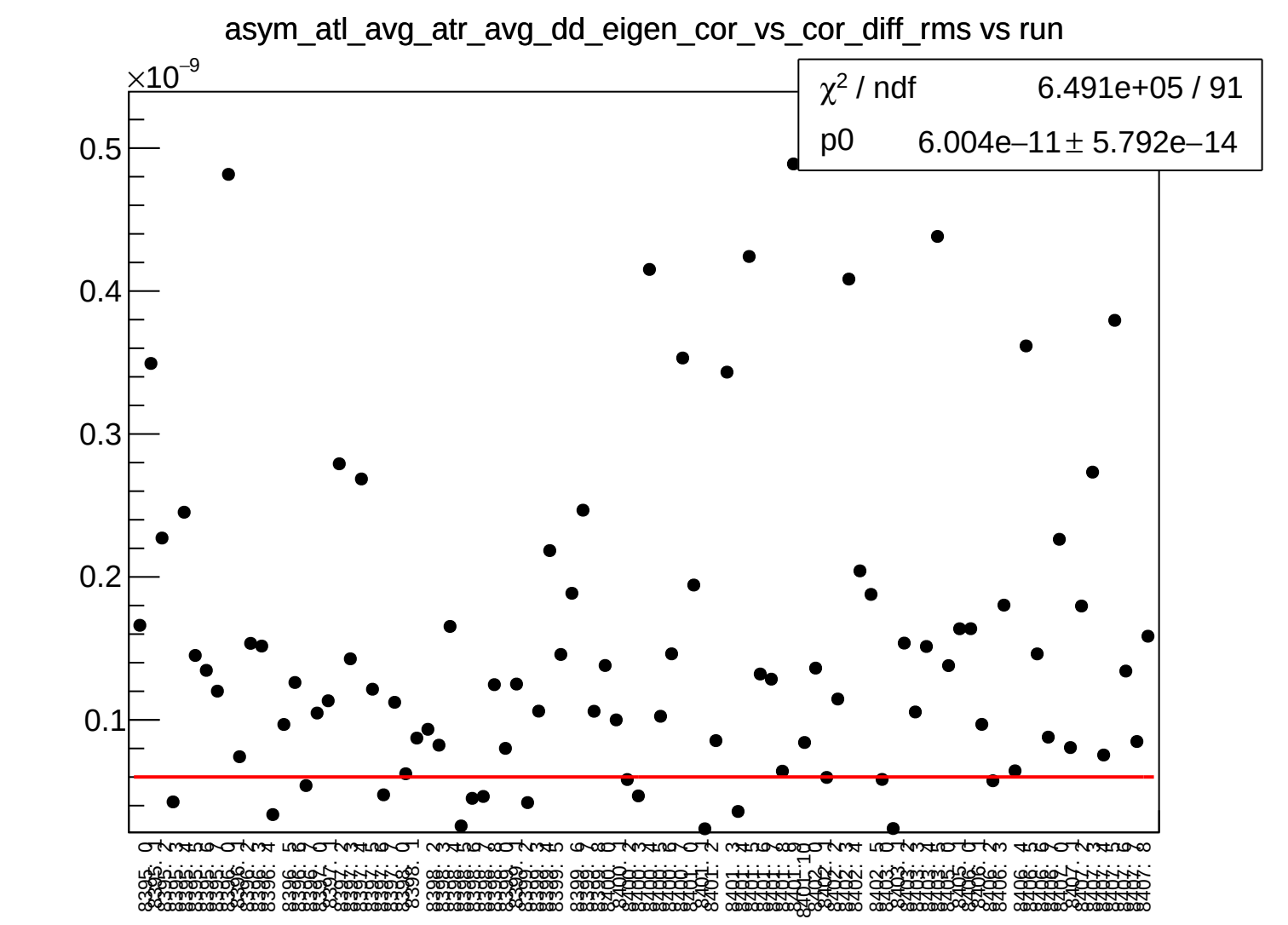

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02465 ± 0.03881
pull
Entries 92
Mean −36.96
Std Dev 0
pull1D
Entries 92
Mean 0.02605
Std Dev 0.8953

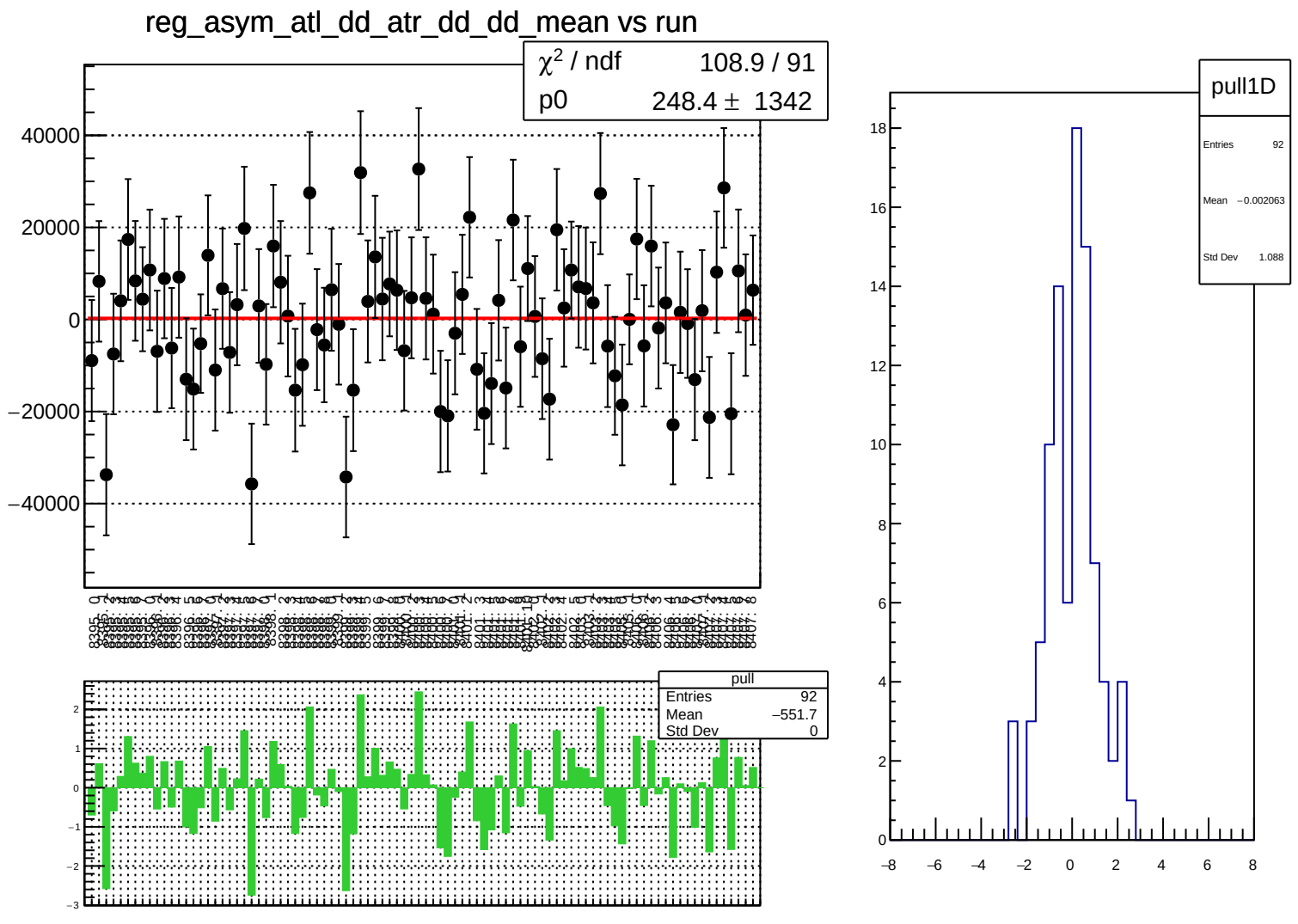

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

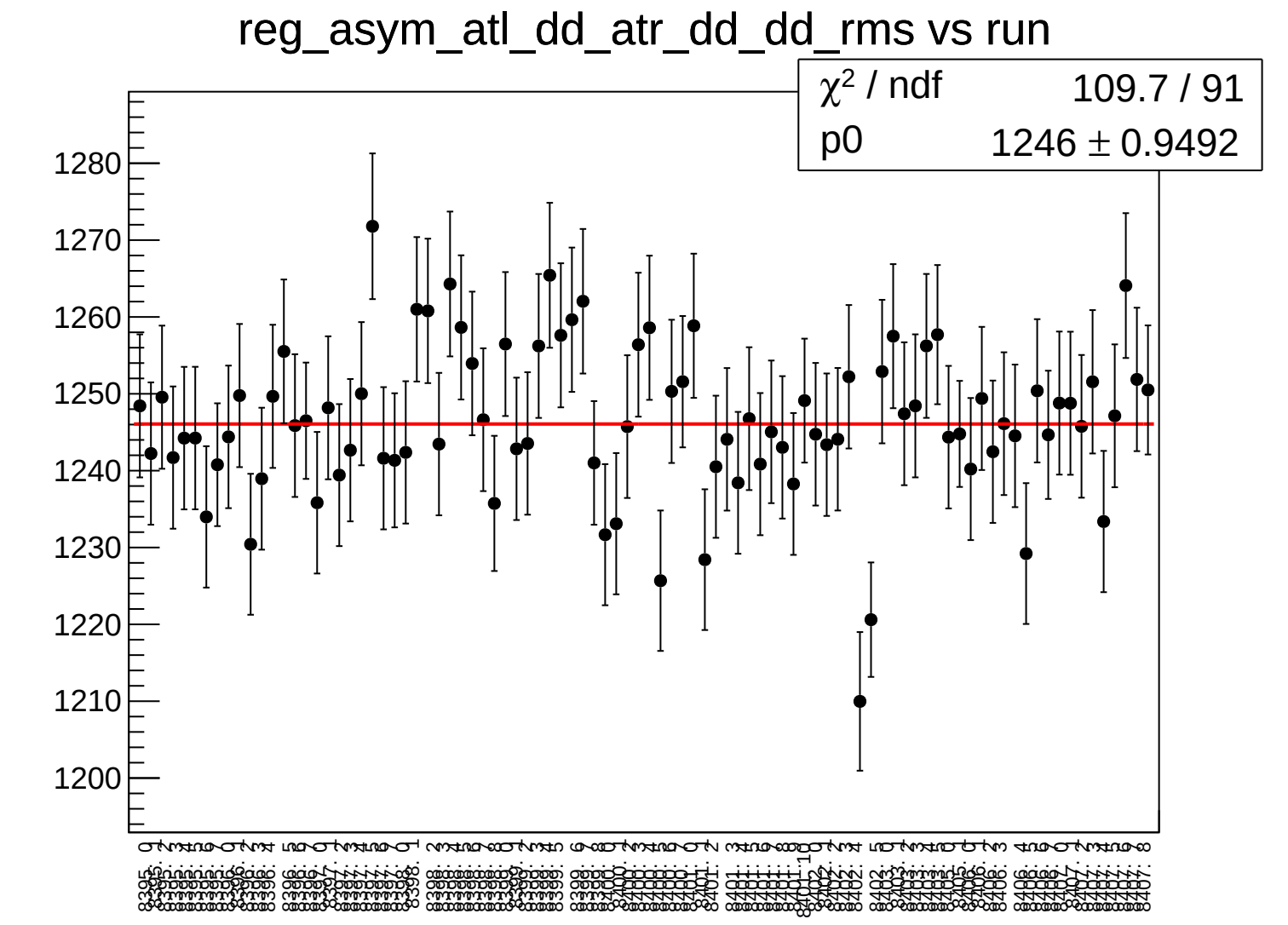

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02465 ± 0.03881
pull
Entries 92
Mean −36.96
Std Dev 0
pull1D
Entries 92
Mean 0.02605
Std Dev 0.8953

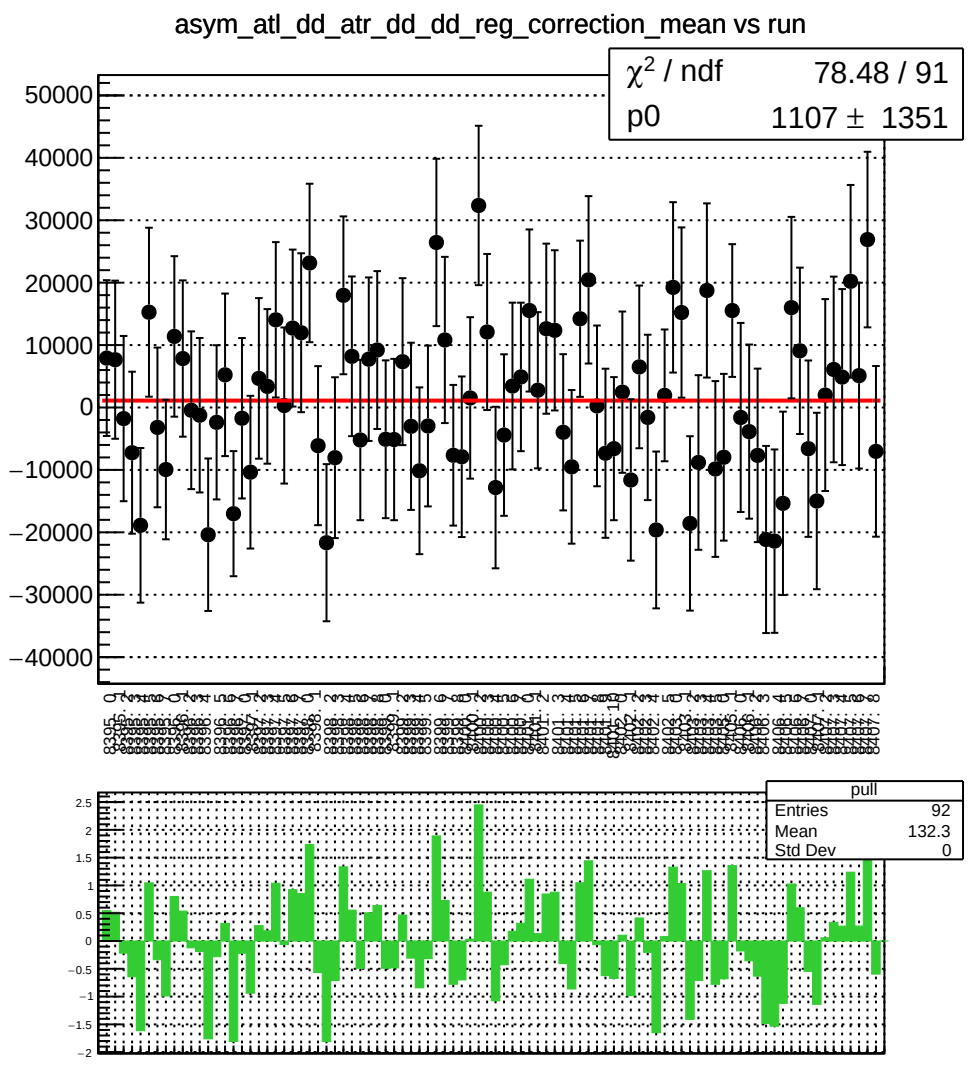

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

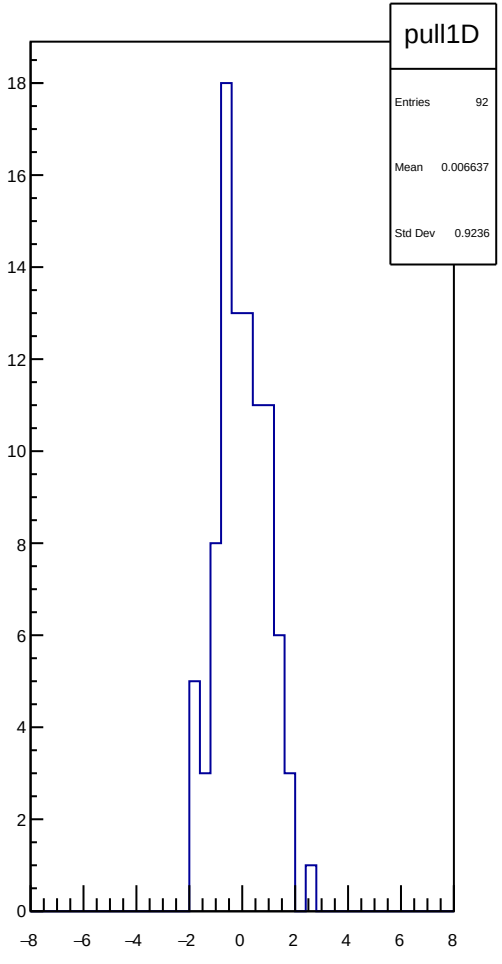

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 81.53 / 91
p0 −2.857e−14 ± 8.192e−14
pull
Entries 92
Mean 81.78
Std Dev 0
pull1D
Entries 92
Mean 0.06297
Std Dev 0.9393

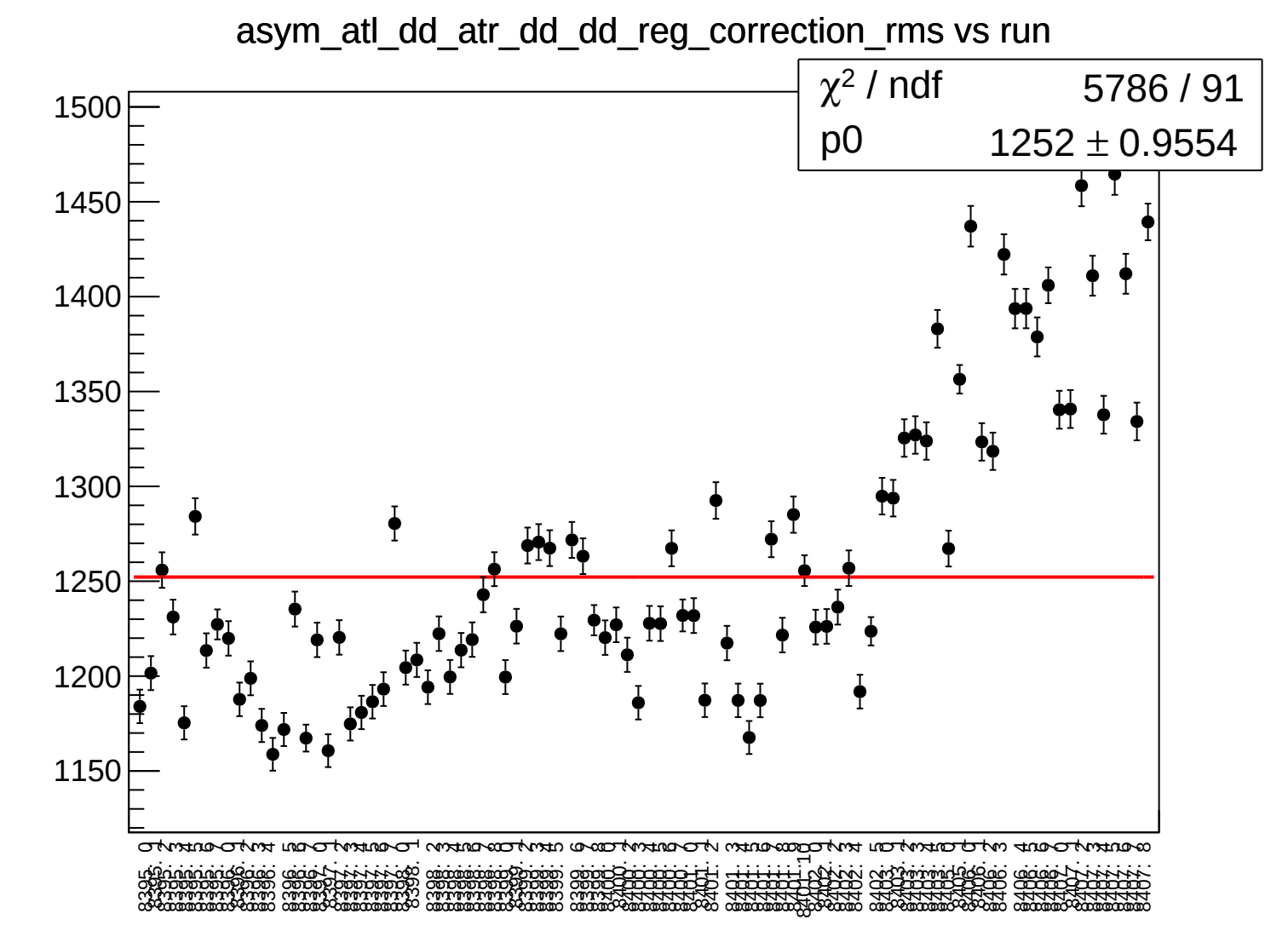

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.491e+05 / 91
p0 6.004e−11 ± 5.792e−14
0.5
0.4
0.3
0.2
0.1

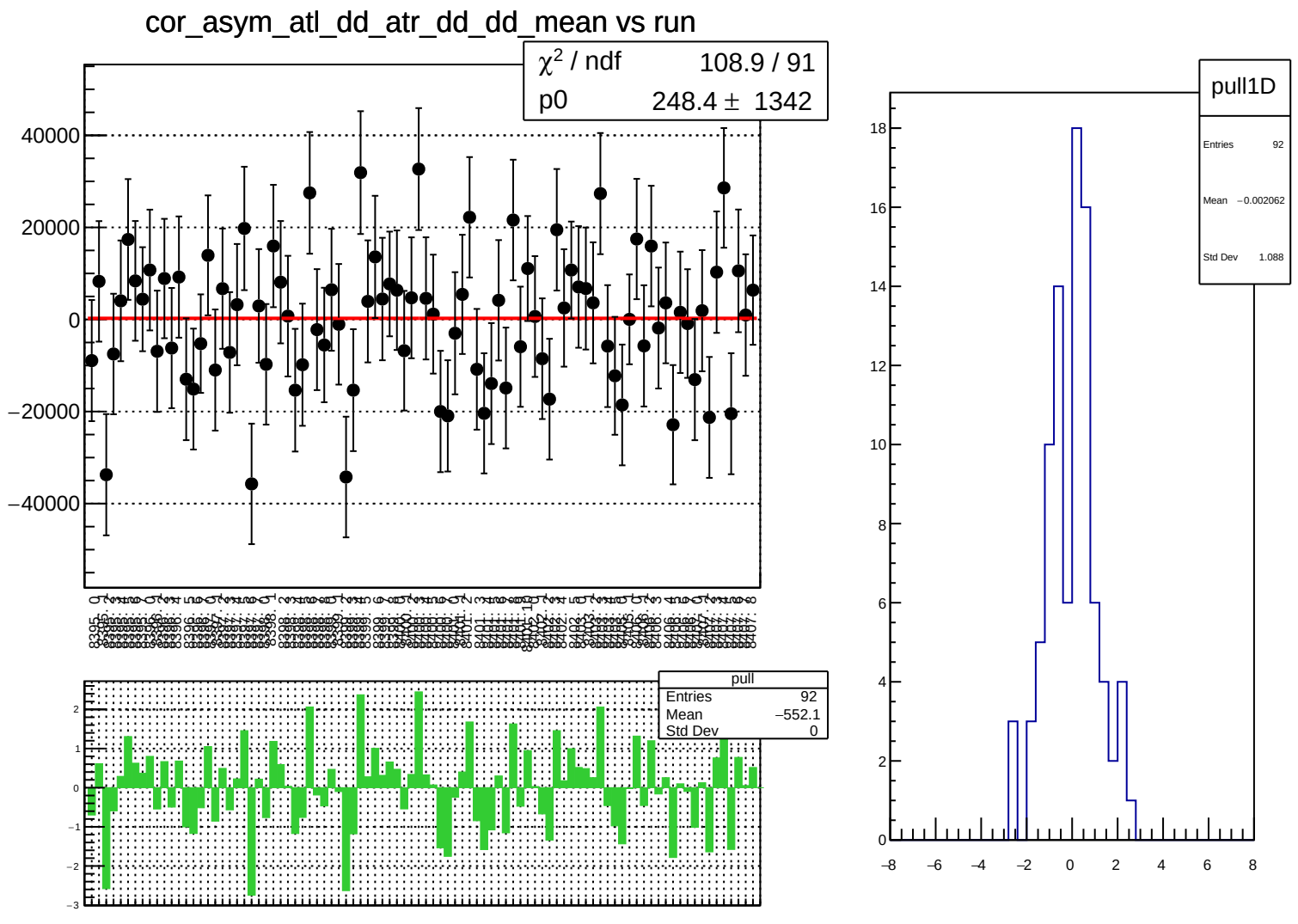

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 108.9 / 91
p0 248.4 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −551.7
Std Dev 0
pull1D
Entries 92
Mean −0.002063
Std Dev 1.088

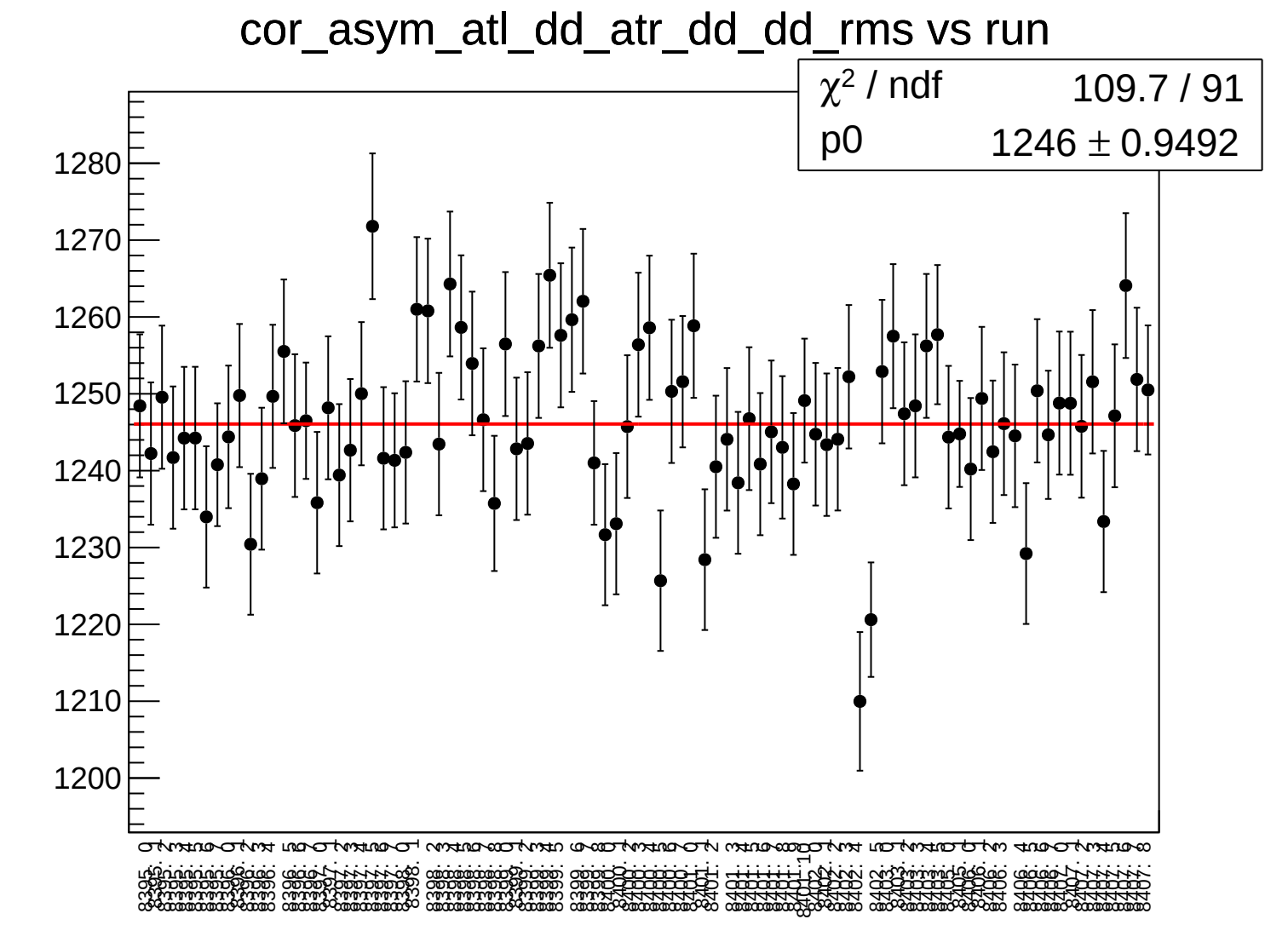

reg_asym_atl_dd_atr_dd_dd_rms vs run
$\chi^2$ / ndf 109.7 / 91
p0 1246 ± 0.9492
1280
1270
1260
1250
1240
1230
1220
1210
1200

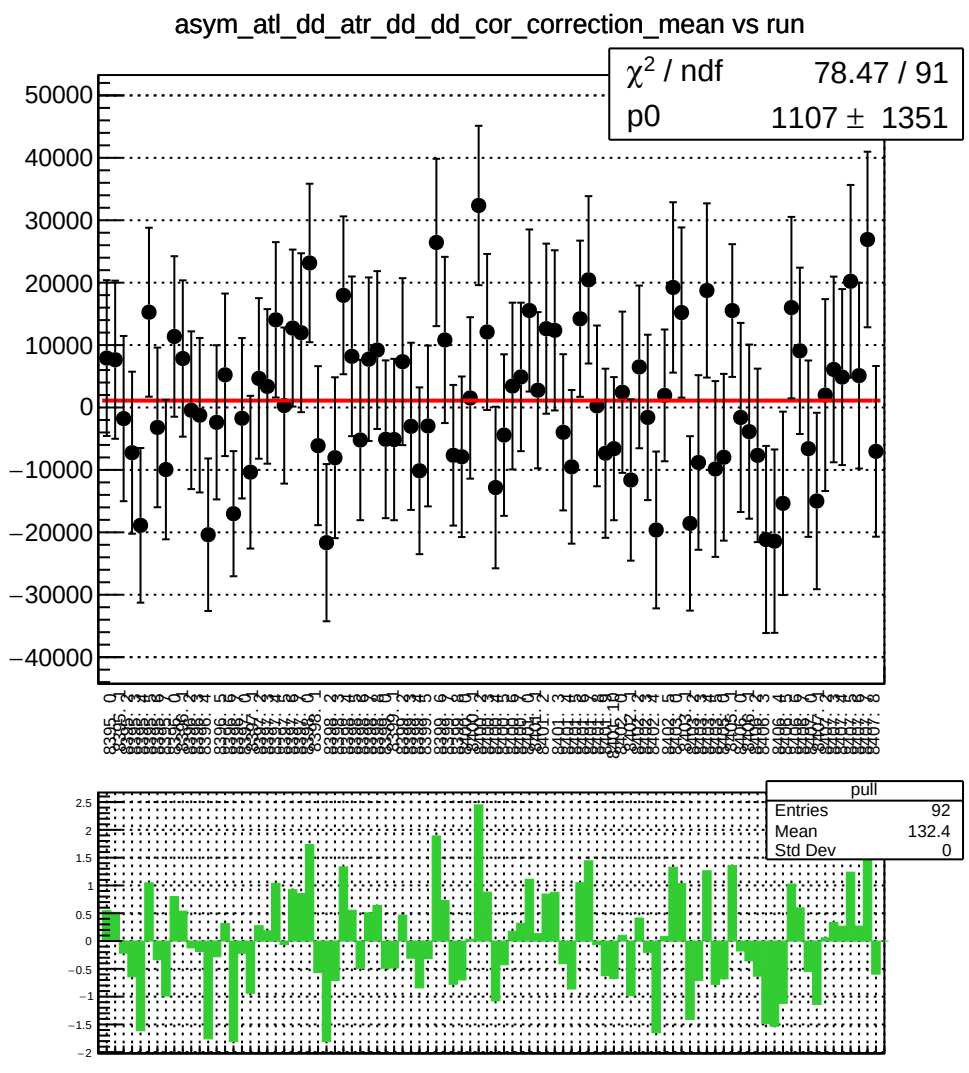

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 78.48 / 91
p0 1107 ± 1351
pull
Entries 92
Mean 132.3
Std Dev 0

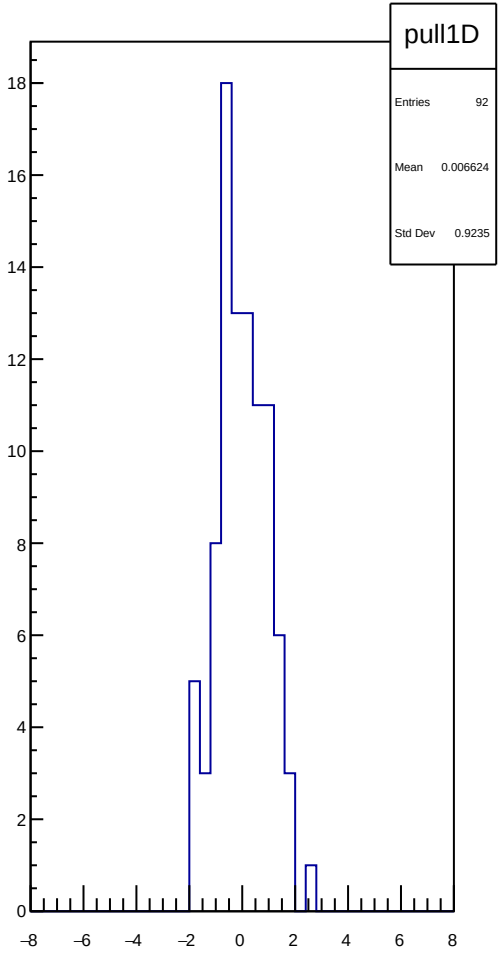

pull1D
Entries 92
Mean 0.006637
Std Dev 0.9236

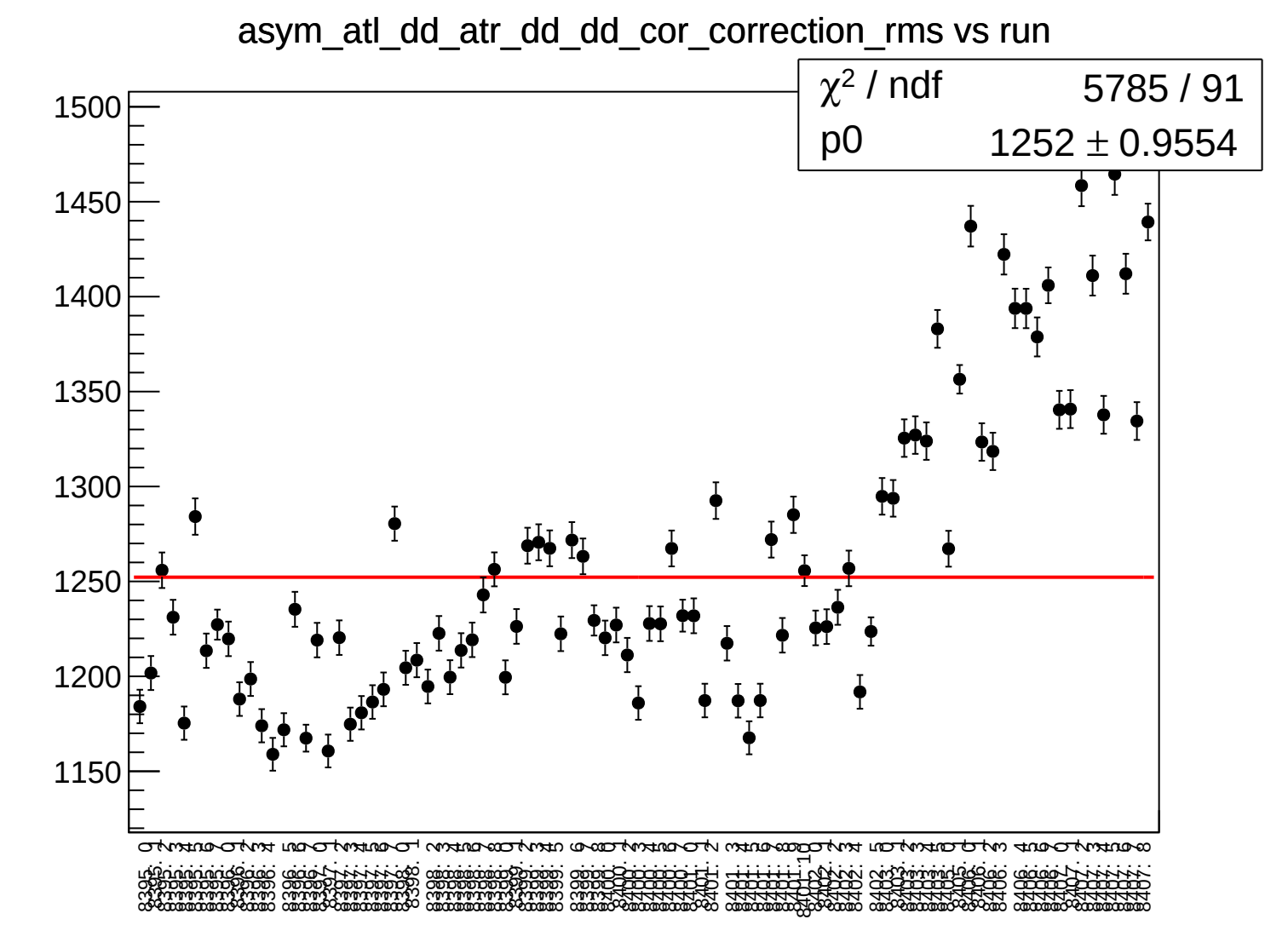

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 5786 / 91
p0 1252 ± 0.9554
1500
1450
1400
1350
1300
1250
1200
1150

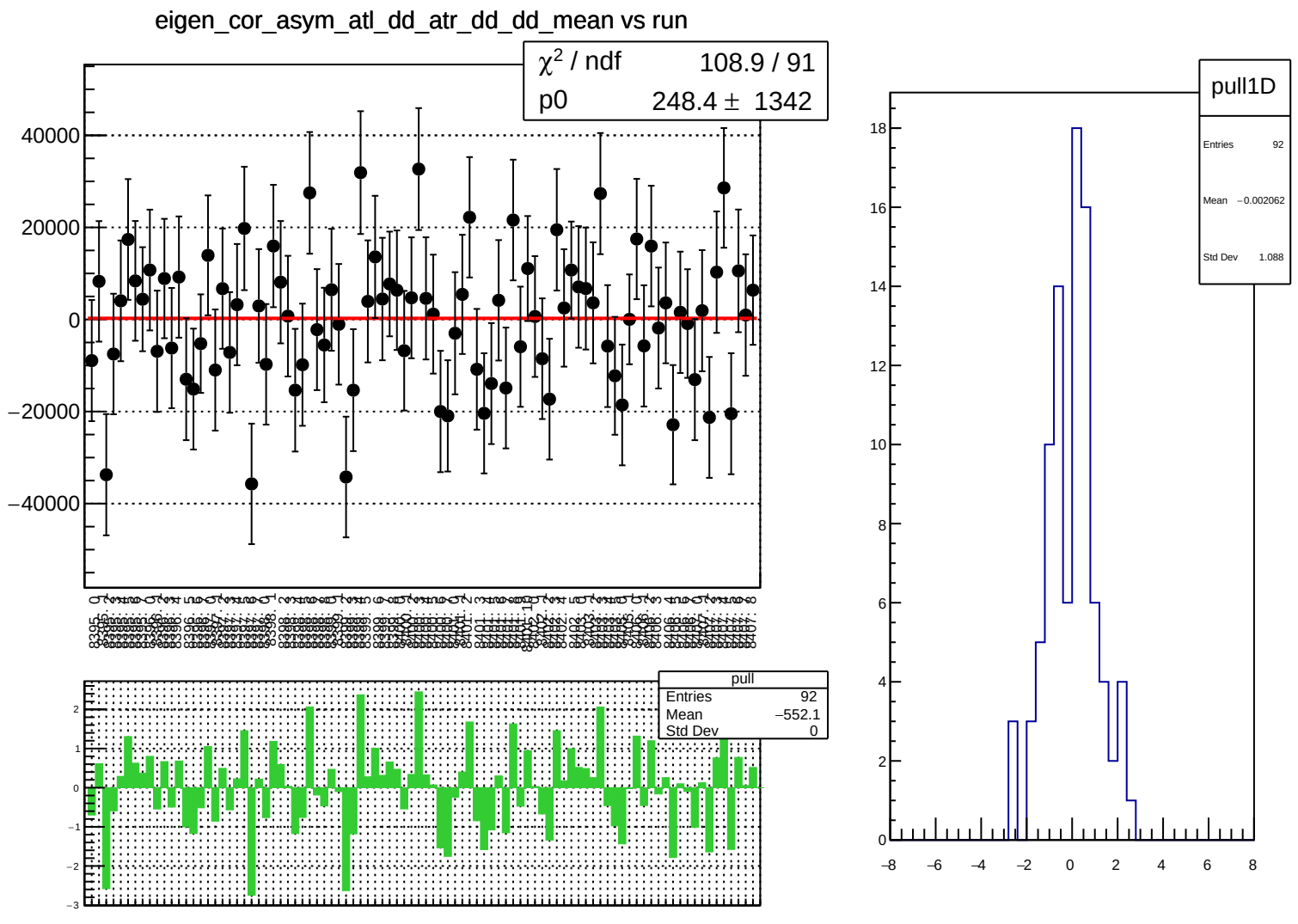

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 108.9 / 91
p0 248.4 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −552.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.002062
Std Dev 1.088
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

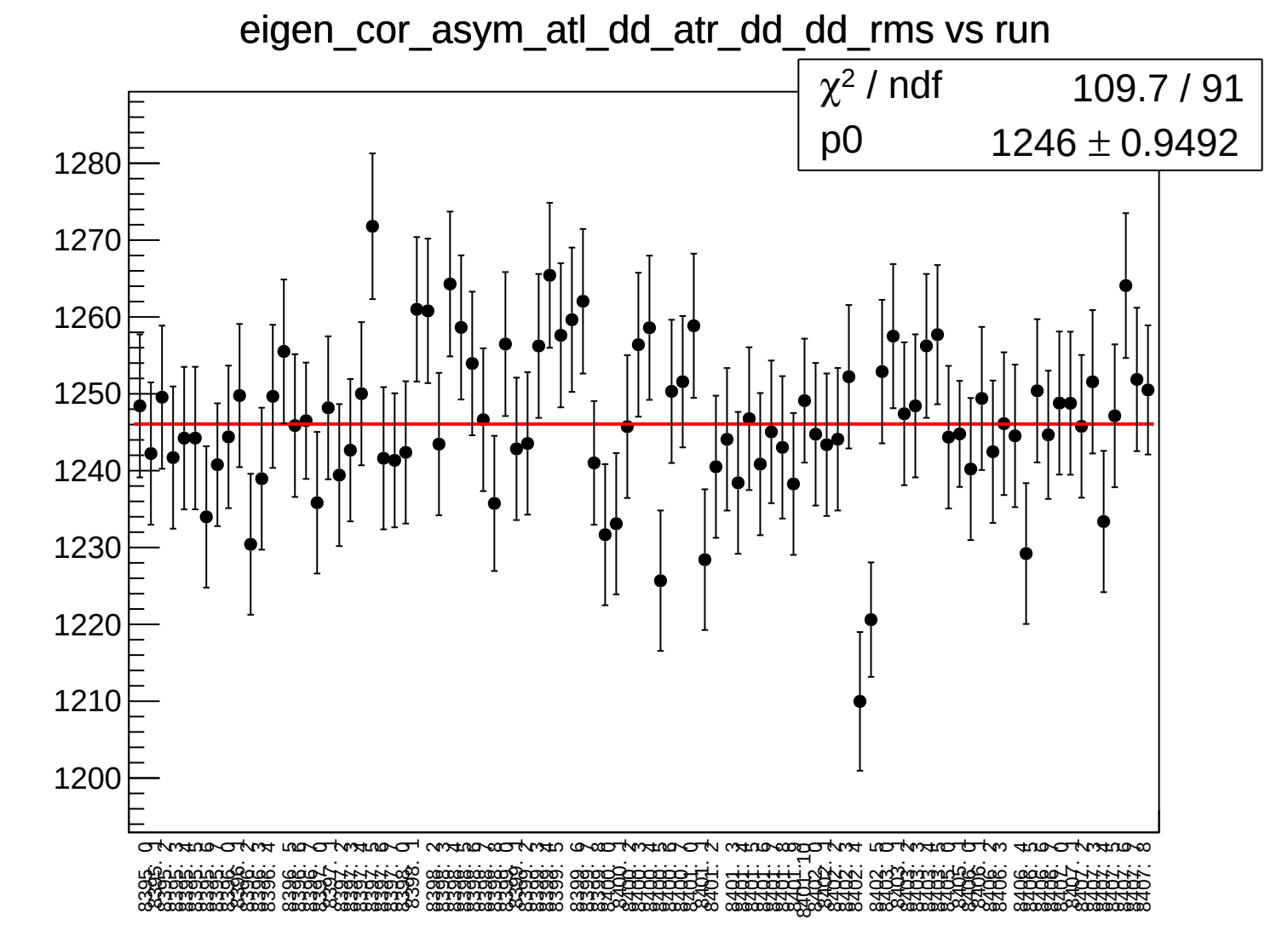

cor_asym_atl_dd_atr_dd_dd_rms vs run
$\chi^2$ / ndf 109.7 / 91
p0 1246 ± 0.9492
1280
1270
1260
1250
1240
1230
1220
1210
1200

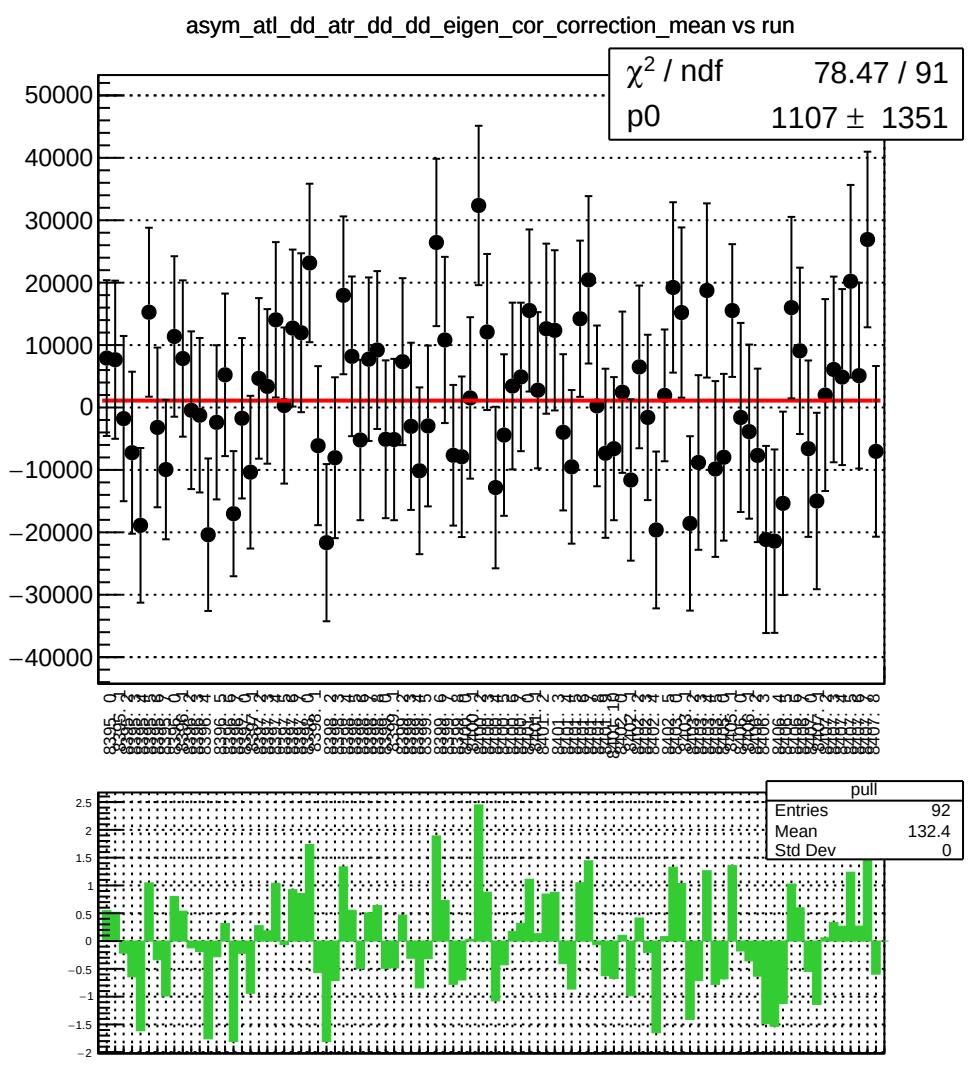

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 78.47 / 91
p0 1107 ± 1351
pull
Entries 92
Mean 132.4
Std Dev 0

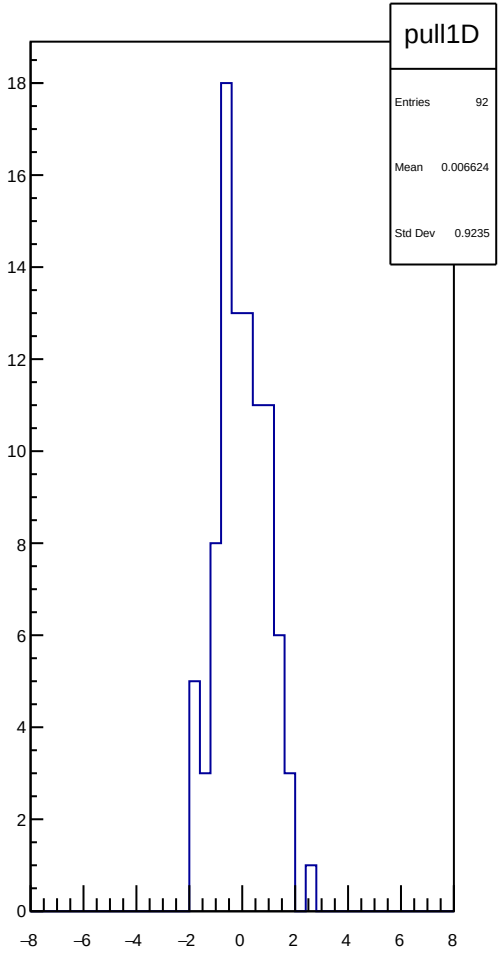

pull1D
Entries 92
Mean 0.006624
Std Dev 0.9235

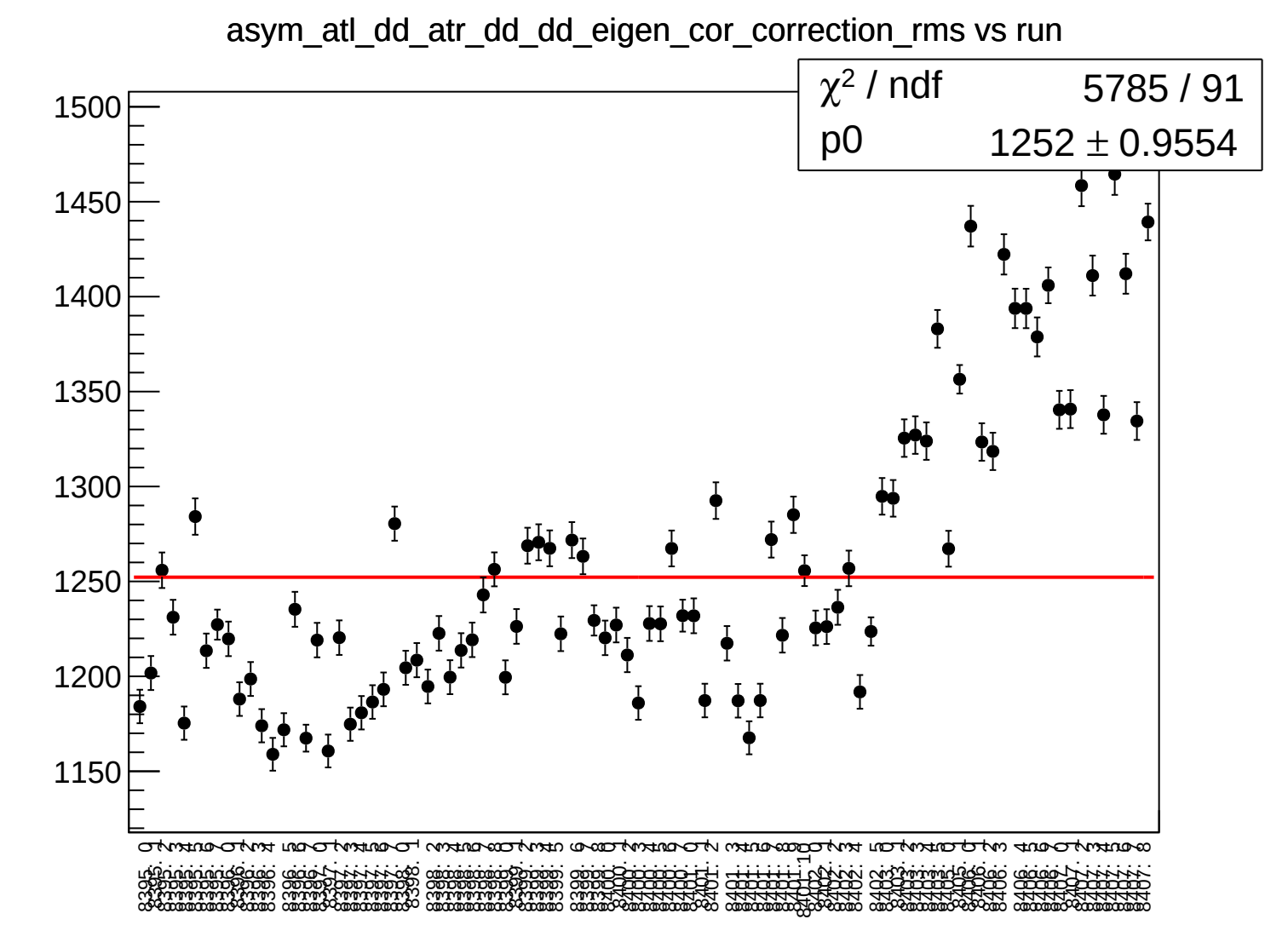

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 5785 / 91
p0 1252 ± 0.9554
1500
1450
1400
1350
1300
1250
1200
1150

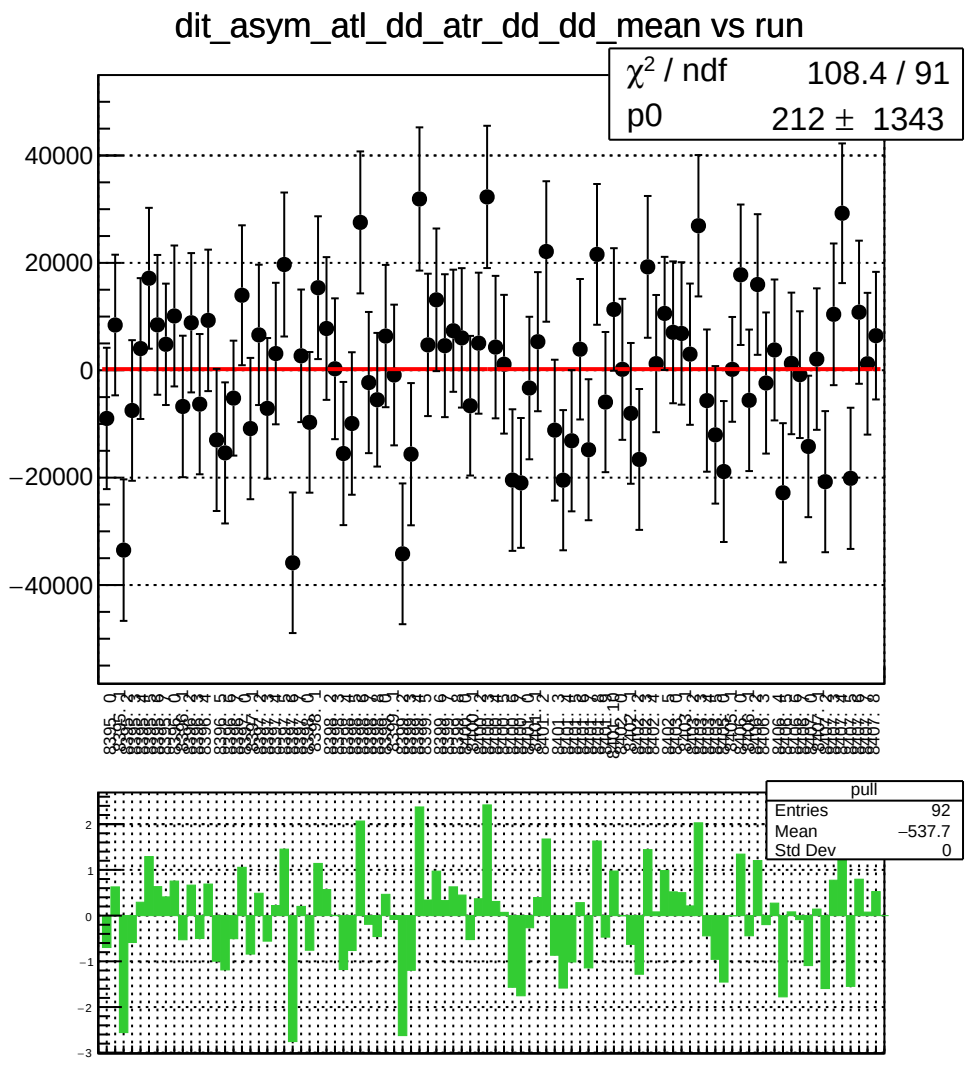

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 108.9 / 91
p0 248.4 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −552.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.002062
Std Dev 1.088
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

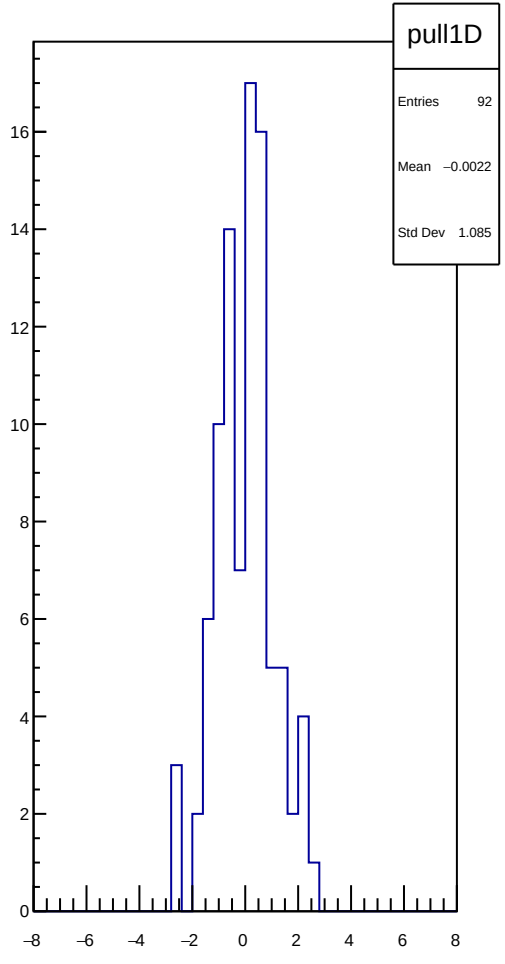

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
$\chi^2$ / ndf 109.7 / 91
p0 1246 ± 0.9492
1280
1270
1260
1250
1240
1230
1220
1210
1200

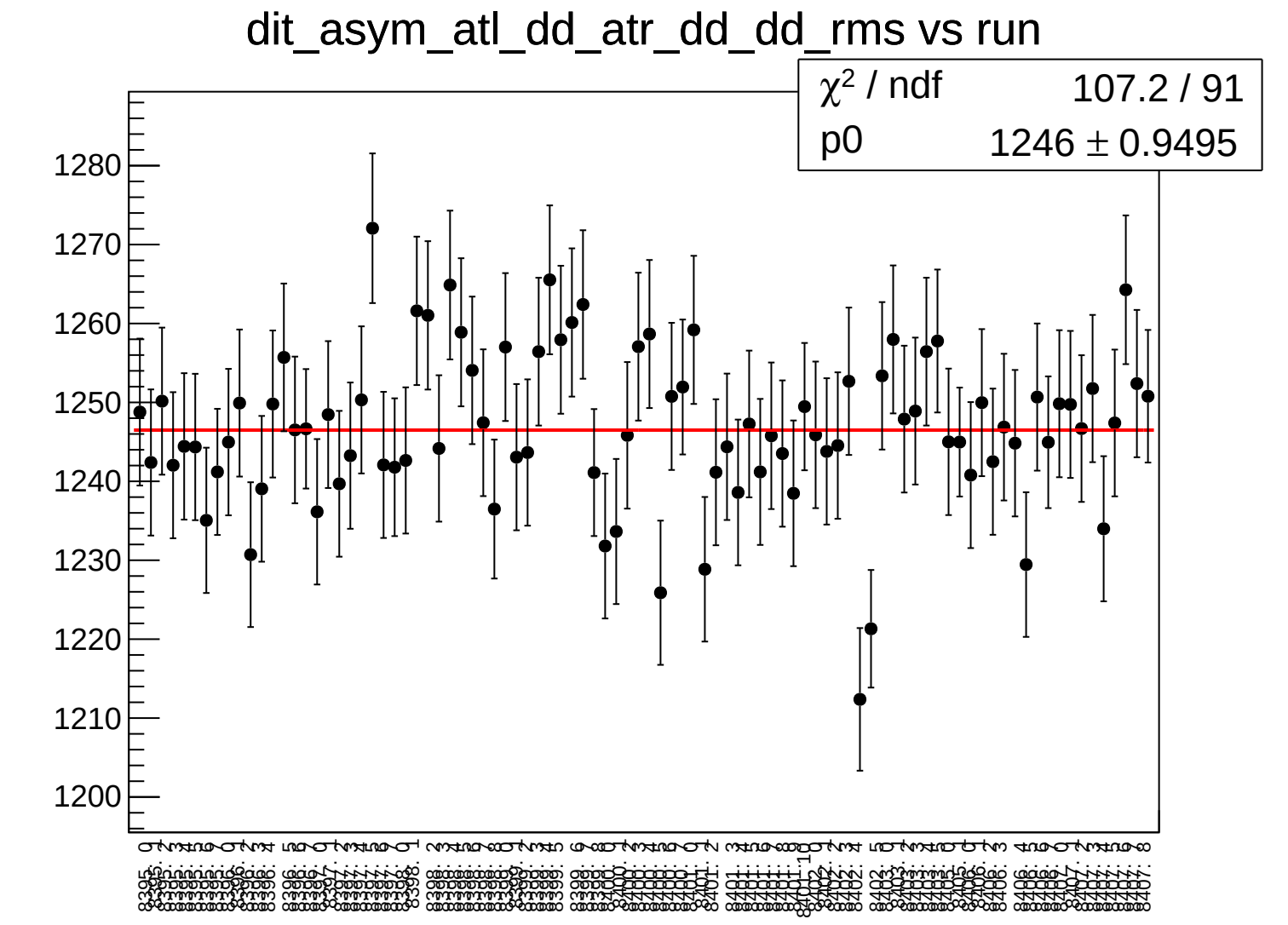

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.47 / 91
p0 1107 ± 1351
pull
Entries 92
Mean 132.4
Std Dev 0

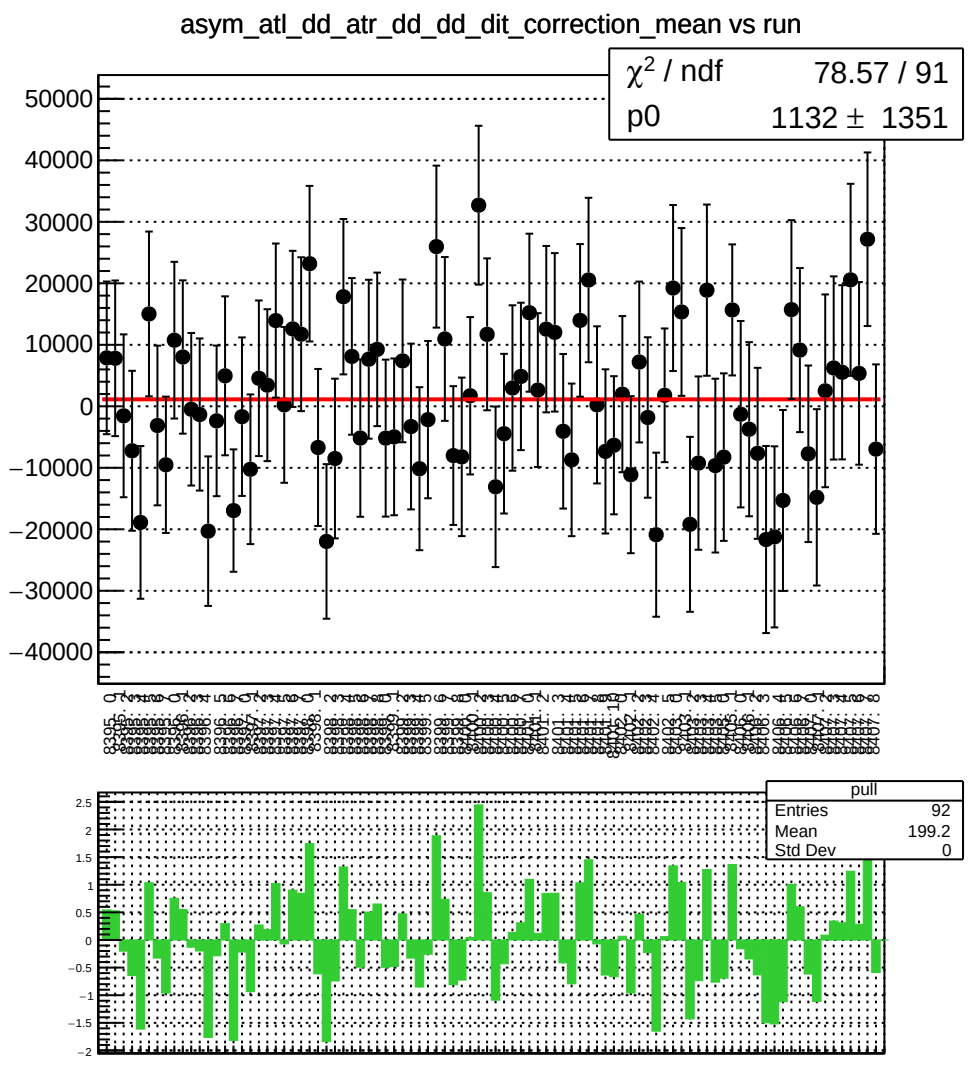

pull1D
Entries 92
Mean 0.006624
Std Dev 0.9235

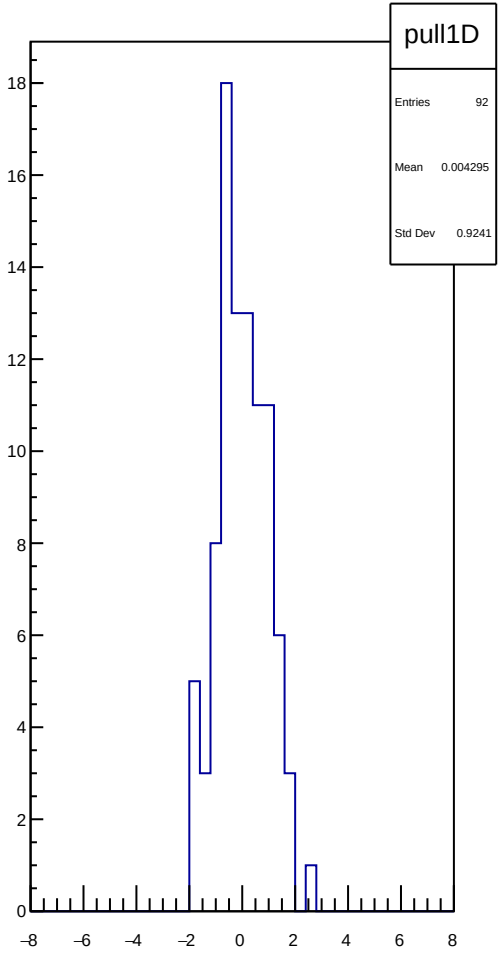

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5785 / 91
p0 1252 ± 0.9554
1500
1450
1400
1350
1300
1250
1200
1150

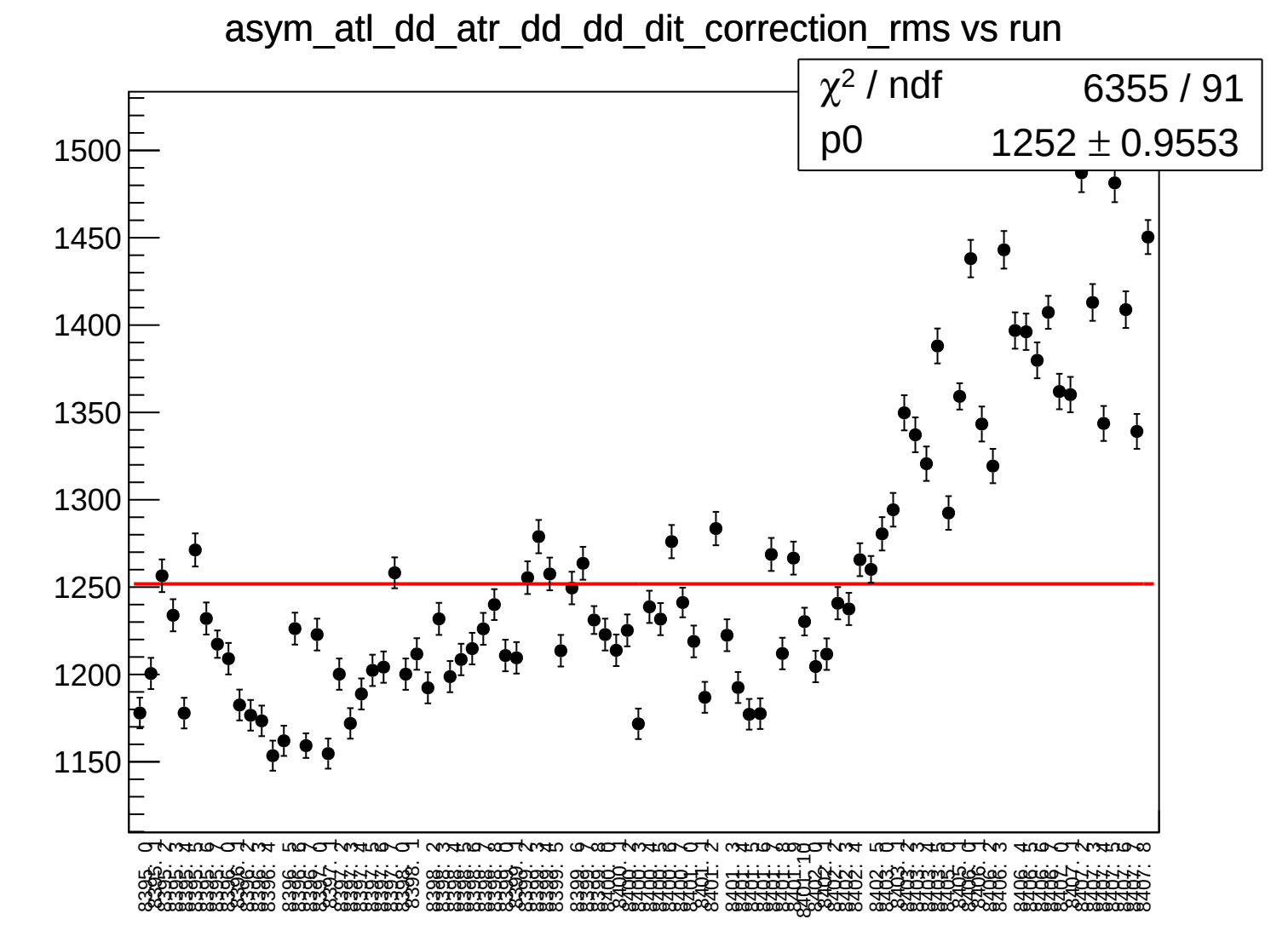

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 108.4 / 91
p0 212 ± 1343
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −537.7
Std Dev 0
2
1
0
−1
−2
−3

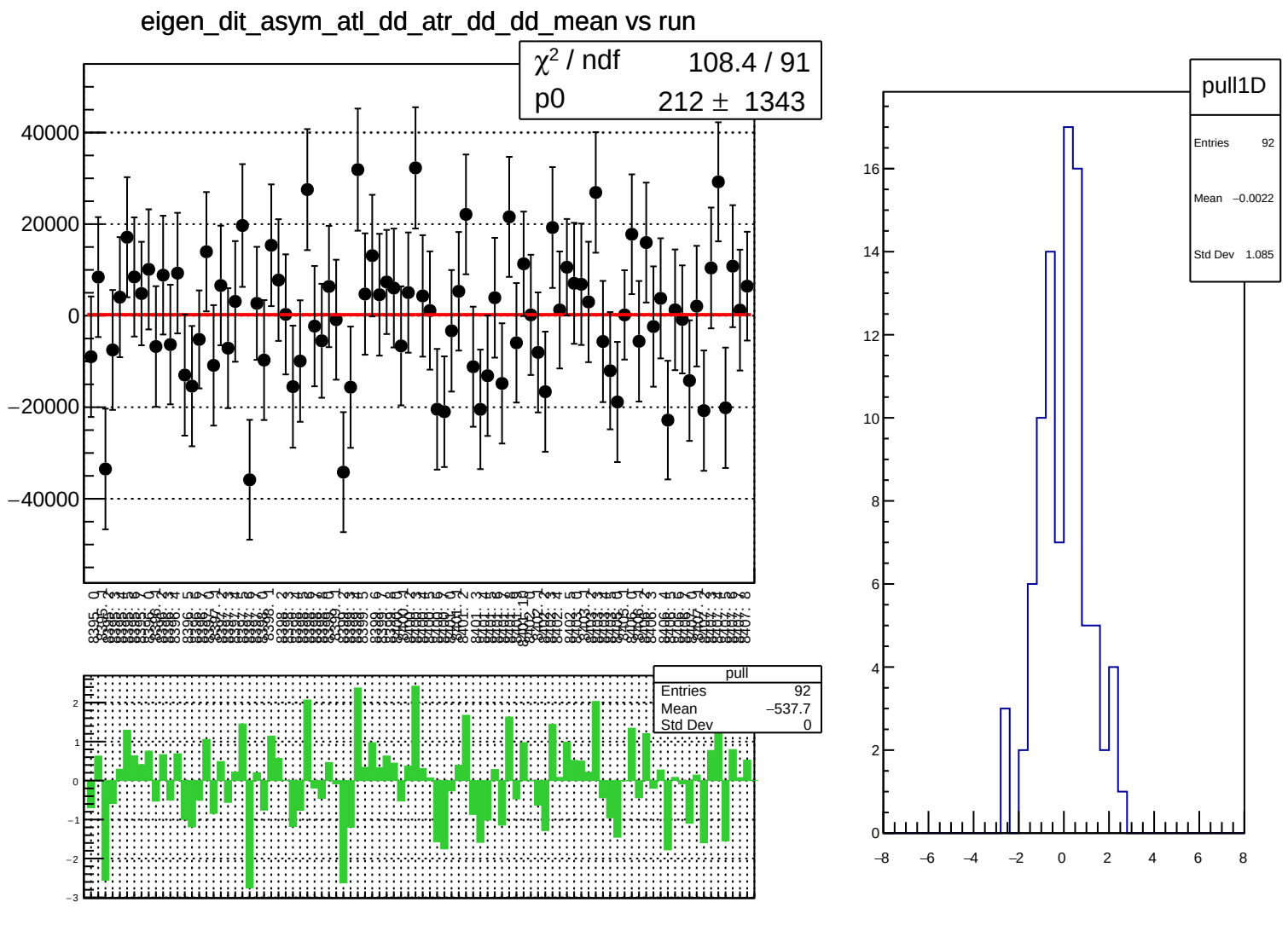

pull1D
Entries 92
Mean −0.0022
Std Dev 1.085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

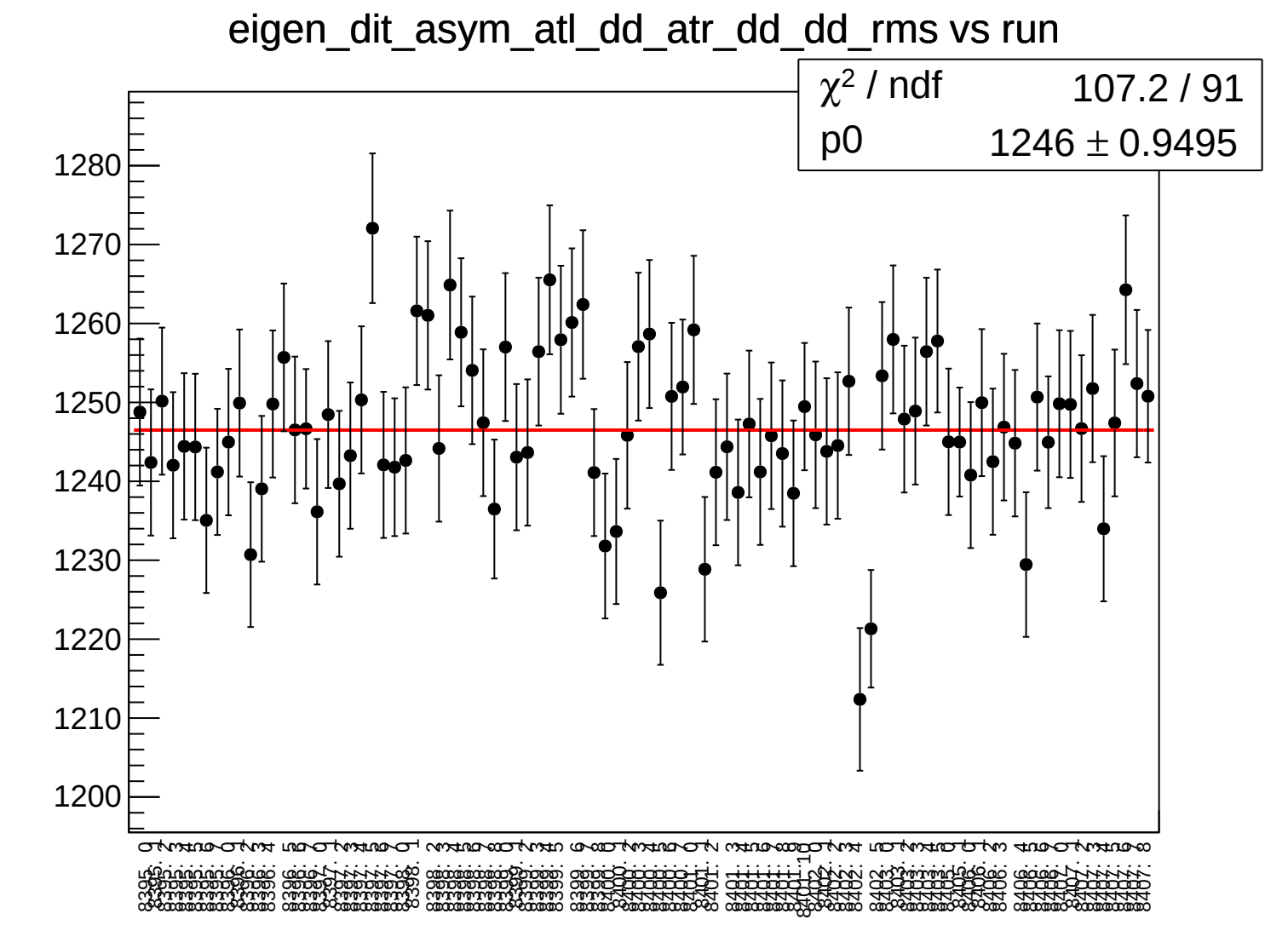

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 107.2 / 91
p0 1246 ± 0.9495
1280
1270
1260
1250
1240
1230
1220
1210
1200

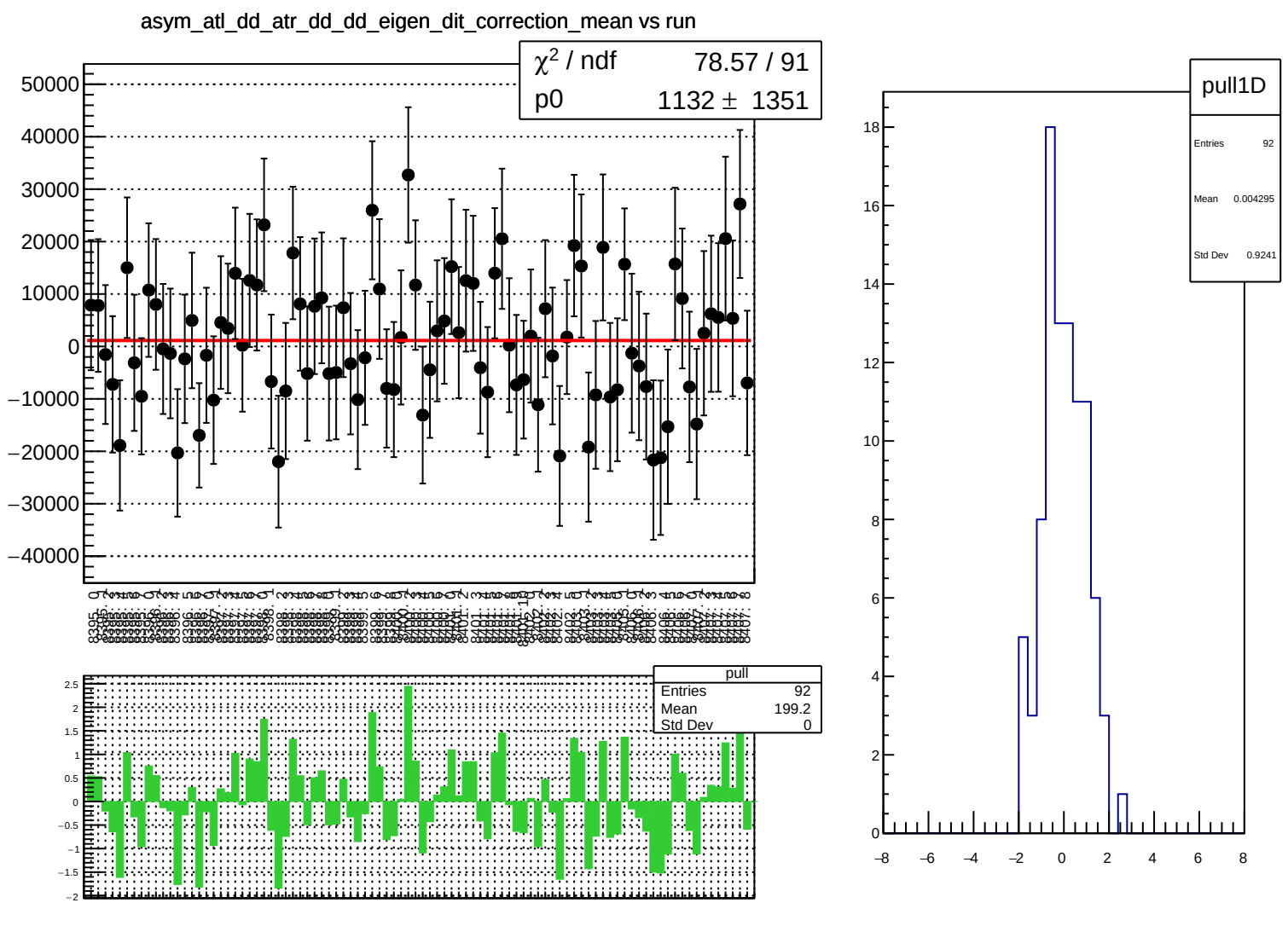

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 78.57 / 91
p0 1132 ± 1351
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 199.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

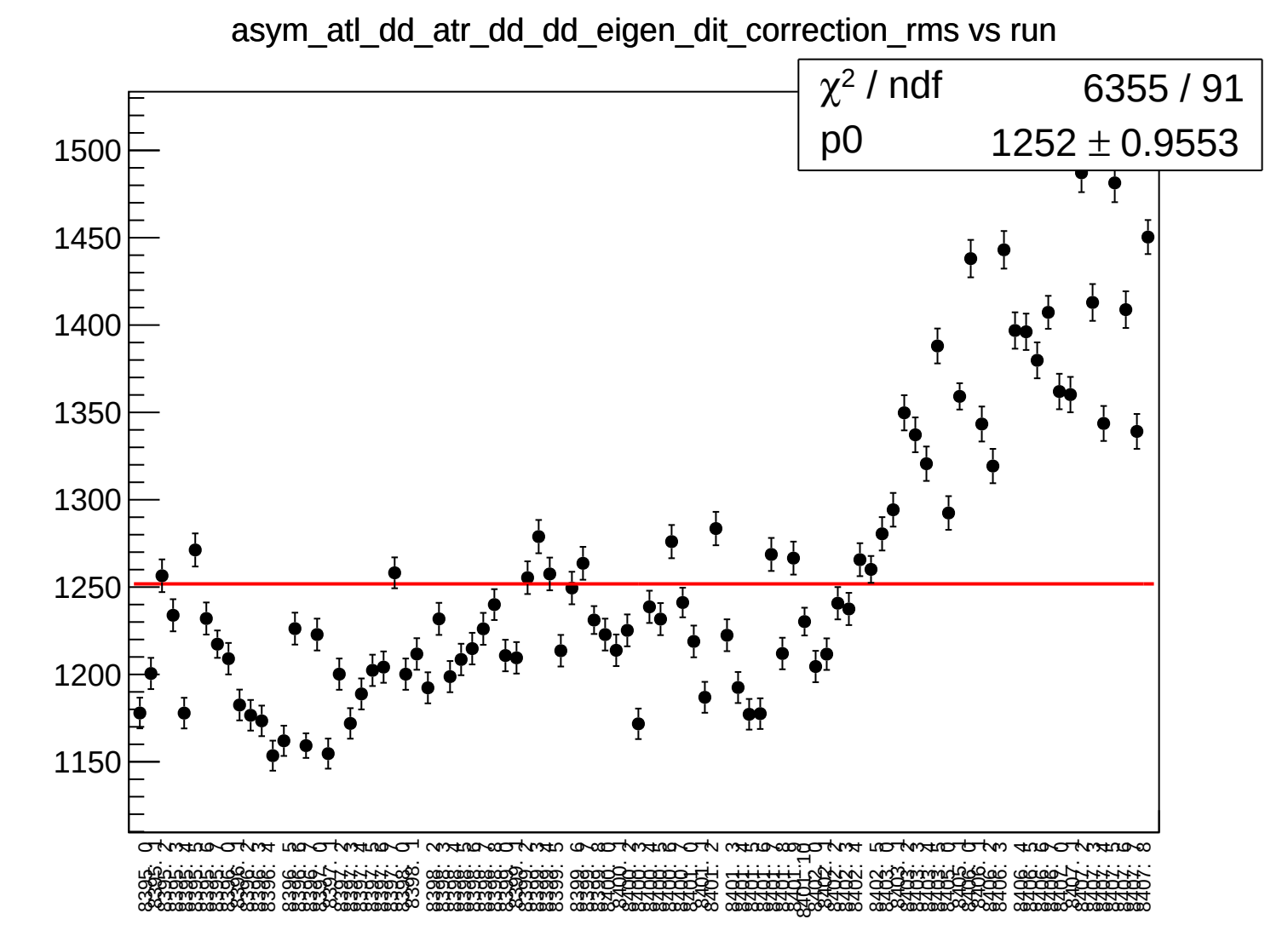

pull1D
Entries 92
Mean 0.004295
Std Dev 0.9241
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

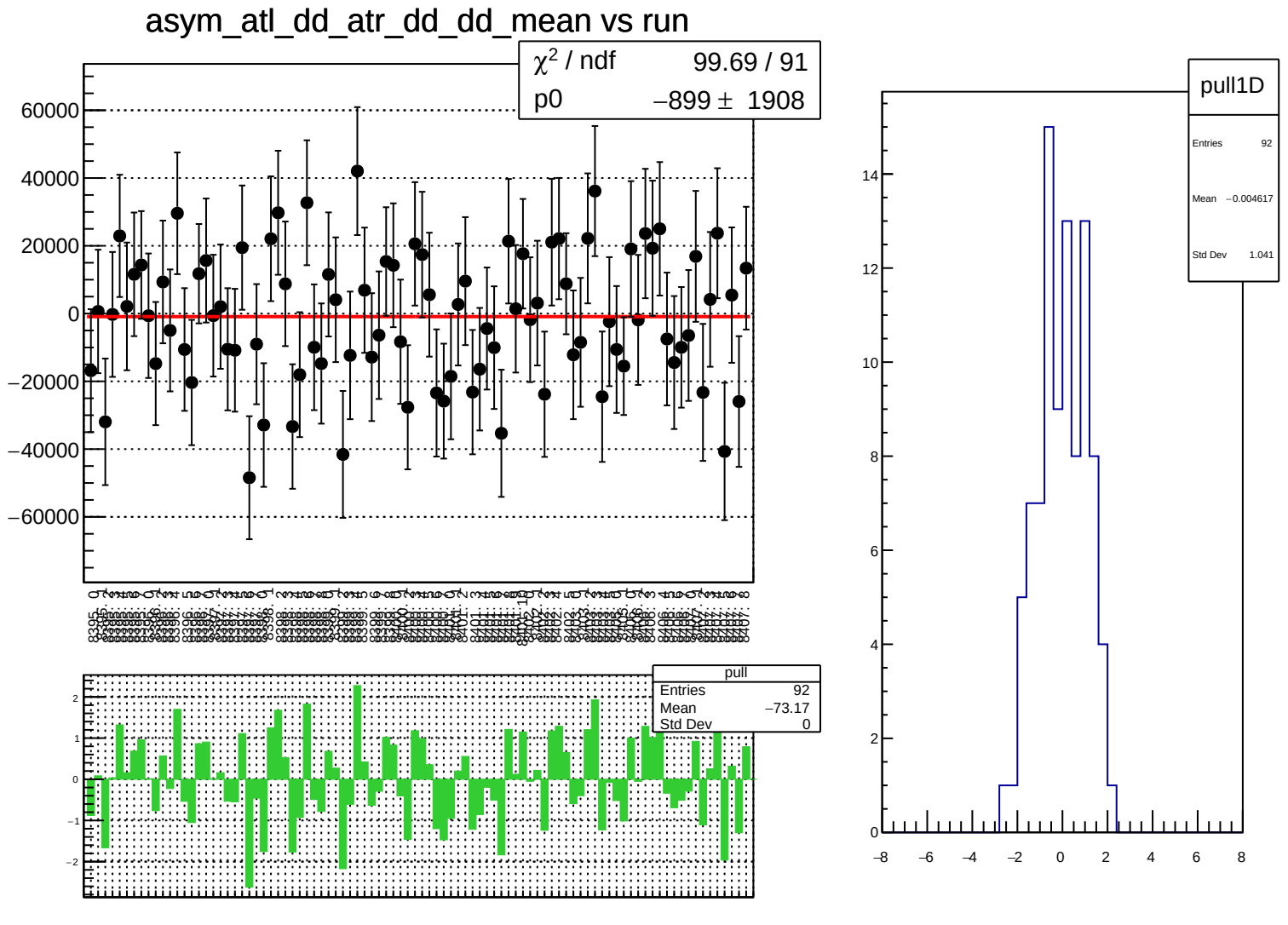

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 6355 / 91
p0 1252 ± 0.9553
1500
1450
1400
1350
1300
1250
1200
1150

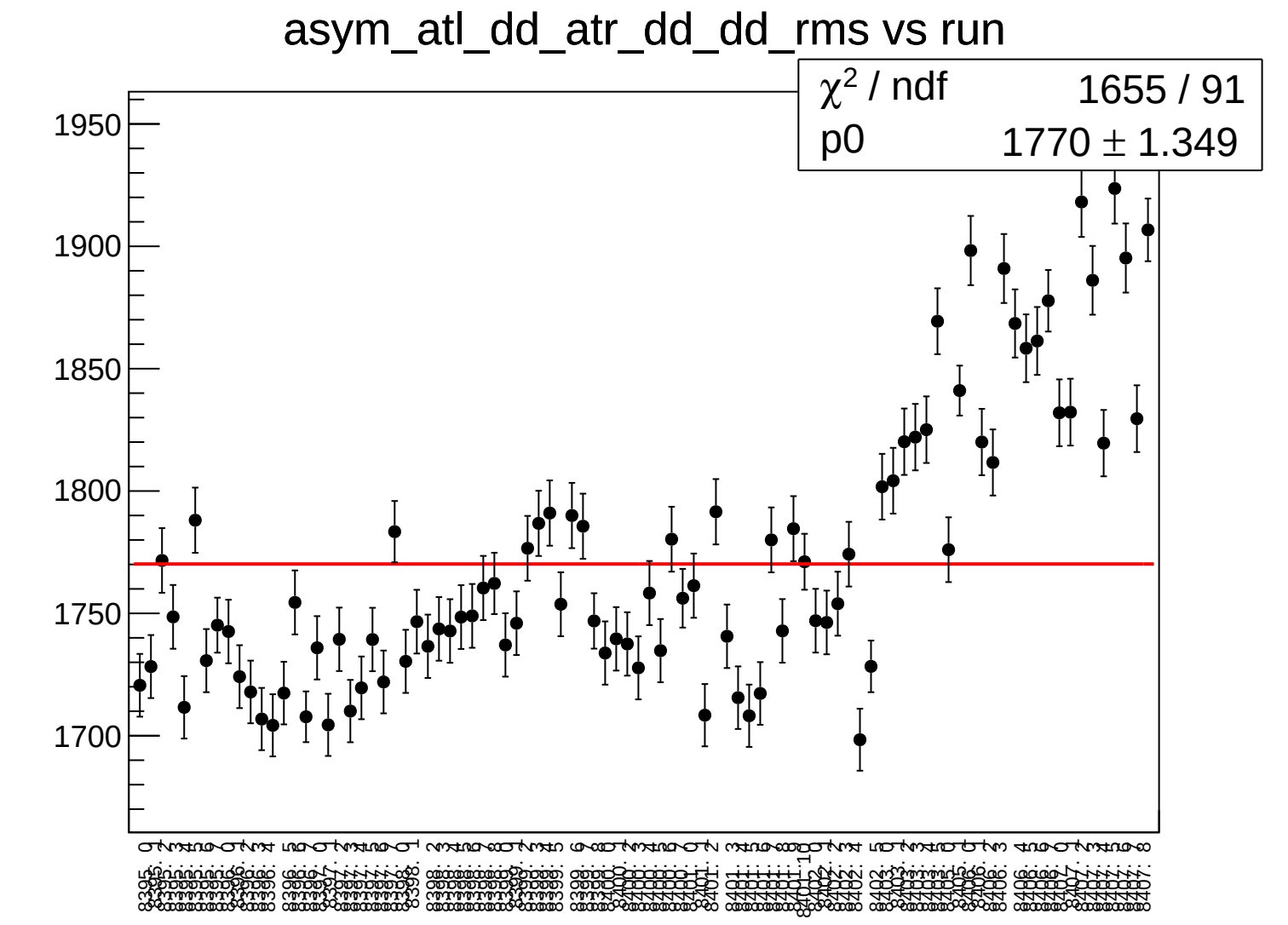

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 108.4 / 91
p0 212 ± 1343
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −537.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.0022
Std Dev 1.085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

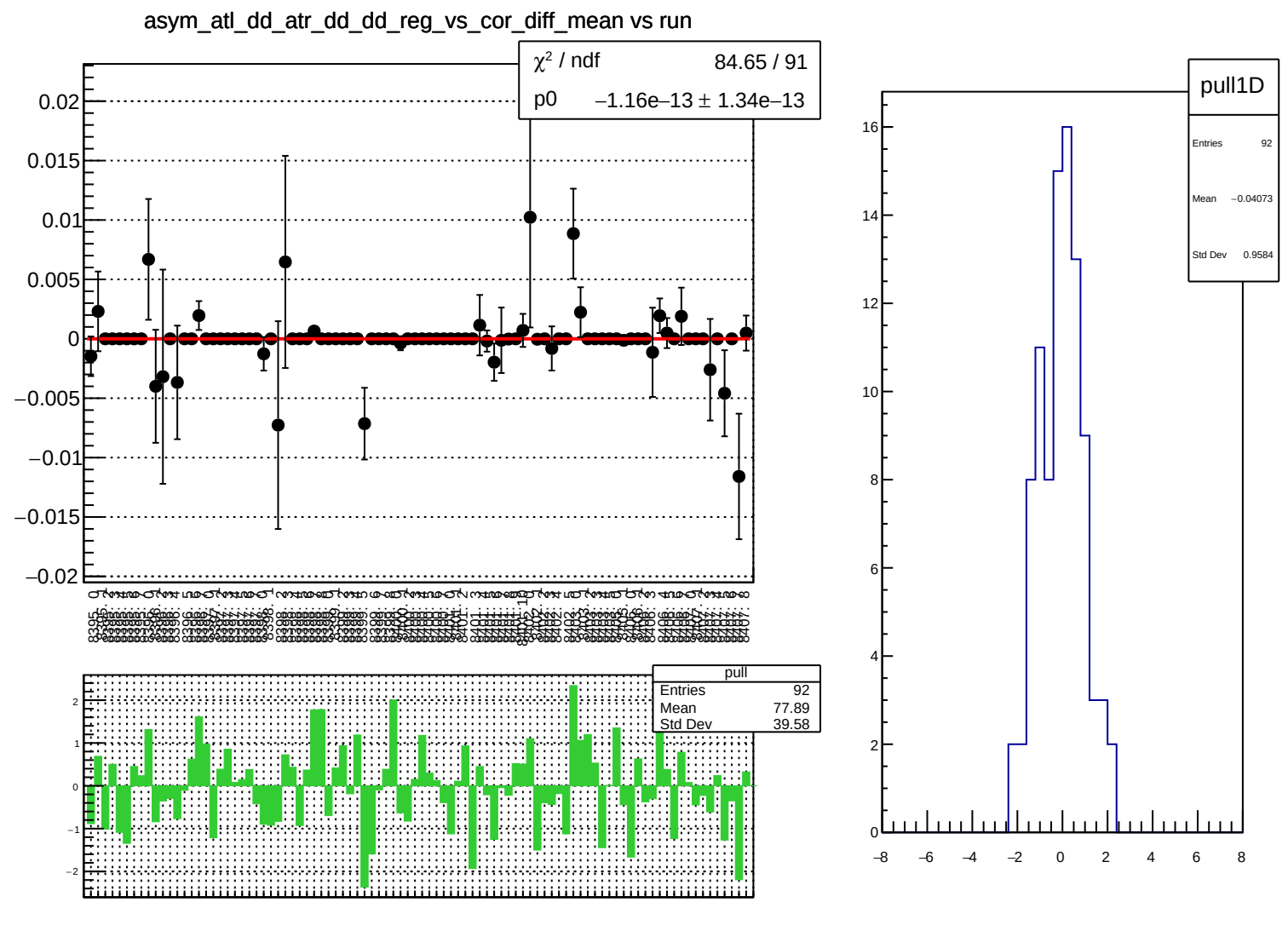

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 107.2 / 91
p0 1246 ± 0.9495
1280
1270
1260
1250
1240
1230
1220
1210
1200

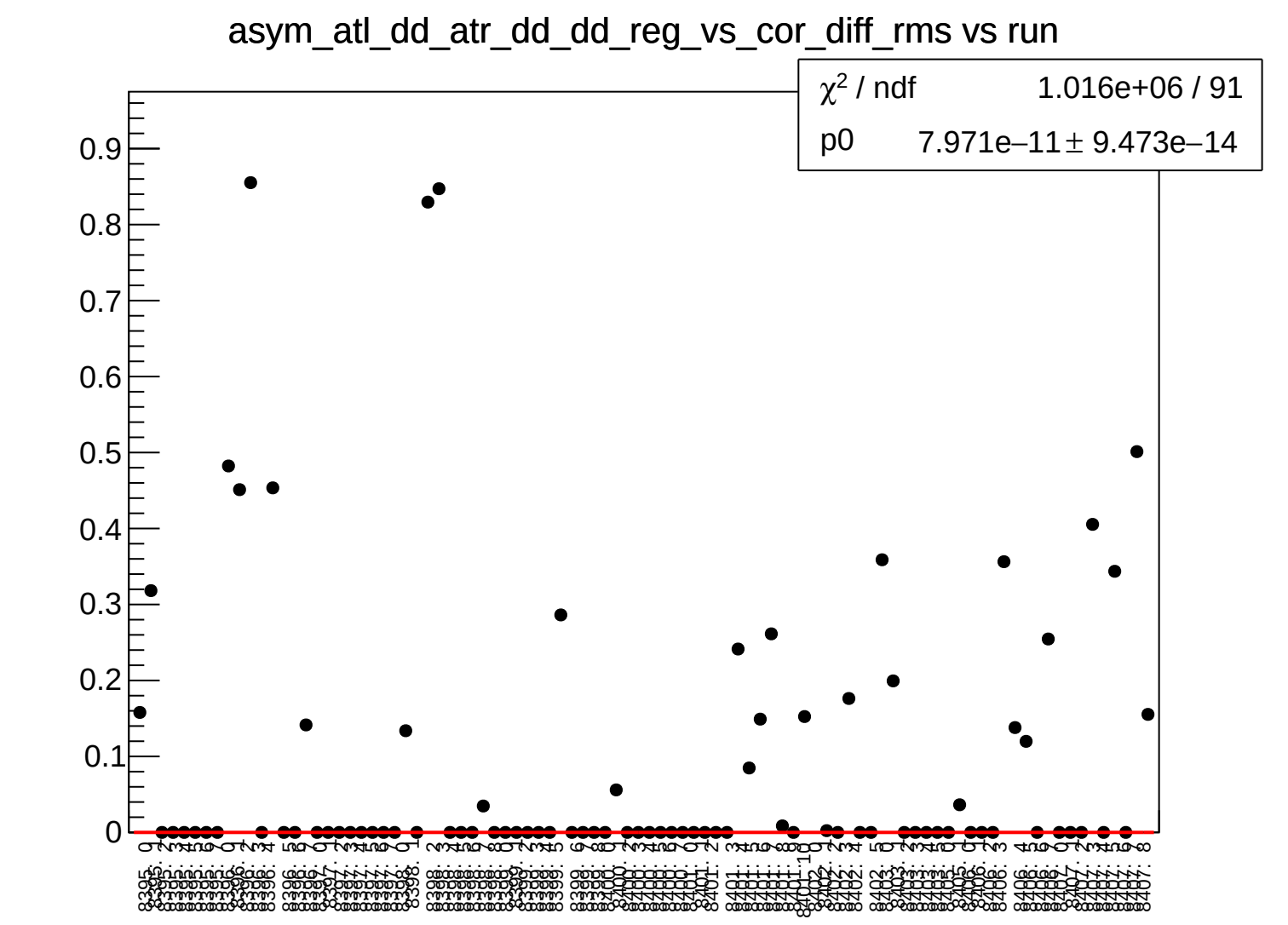

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.57 / 91
p0 1132 ± 1351
pull
Entries 92
Mean 199.2
Std Dev 0
pull1D
Entries 92
Mean 0.004295
Std Dev 0.9241

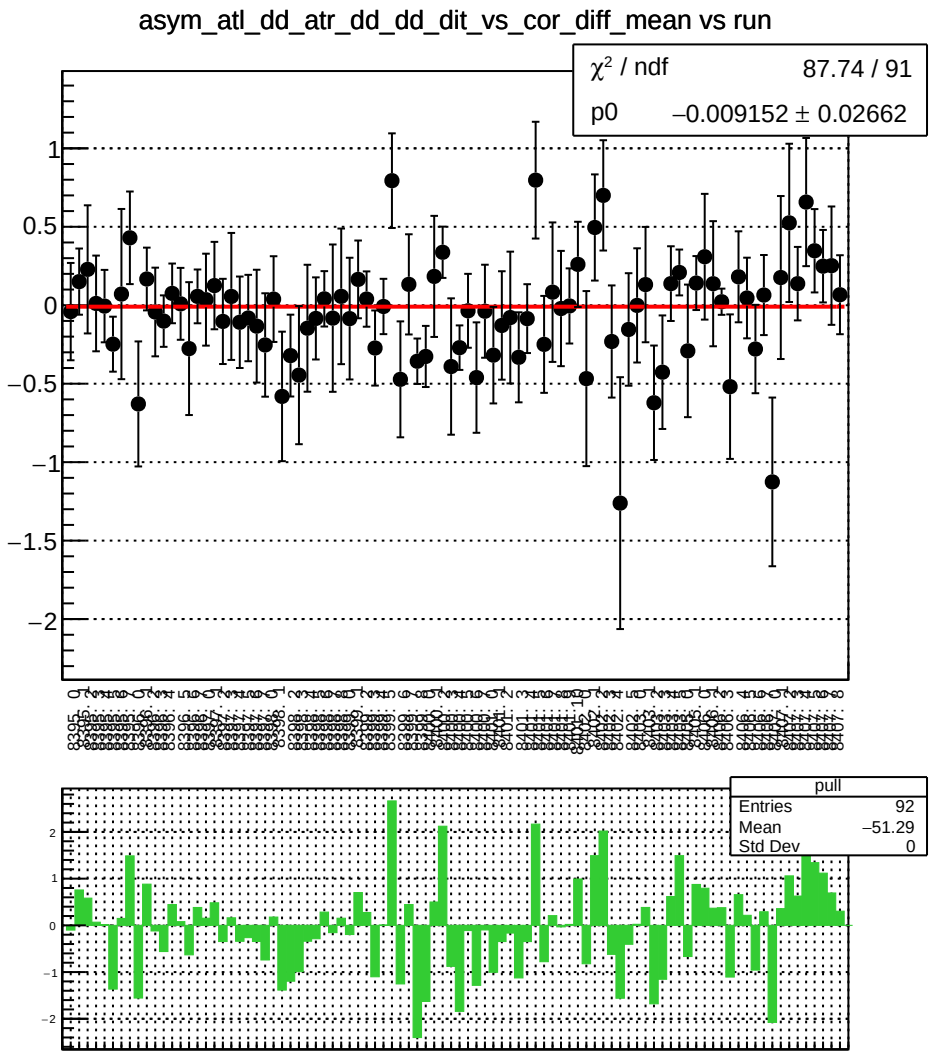

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 6355 / 91
p0 1252 ± 0.9553
1500
1450
1400
1350
1300
1250
1200
1150

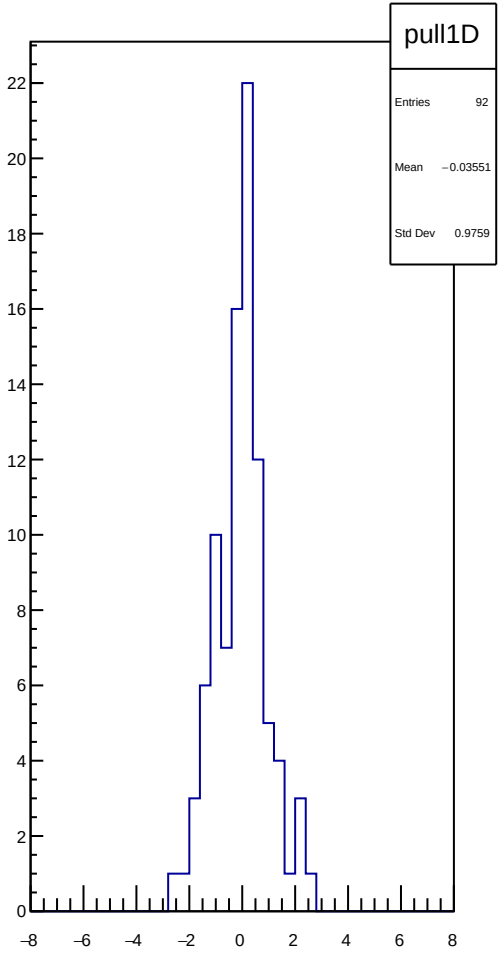

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 99.69 / 91
p0 −899 ± 1908
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −73.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.004617
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

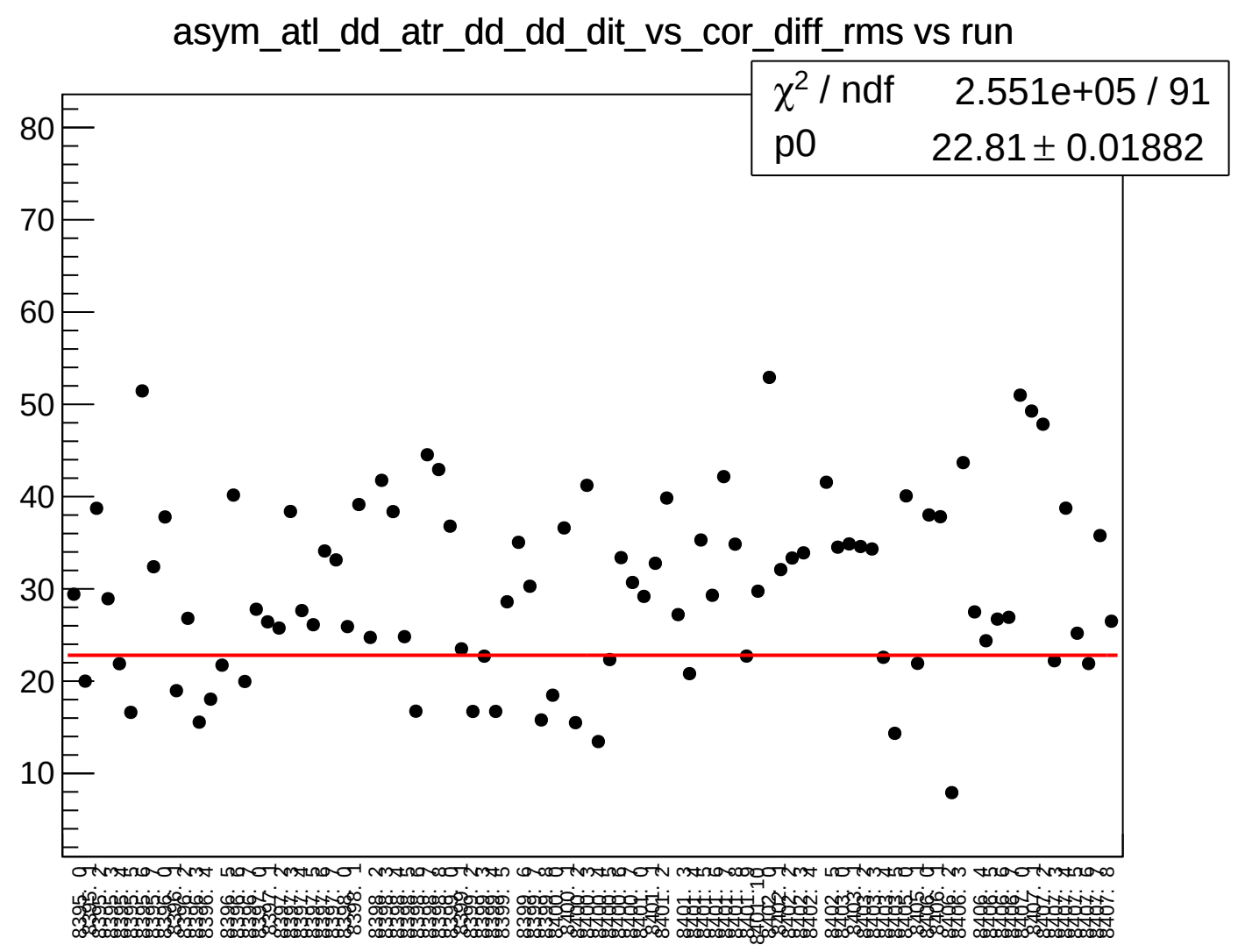

asym_atl_dd_atr_dd_dd_rms vs run
$\chi^2$ / ndf 1655 / 91
p0 1770 ± 1.349
1950
1900
1850
1800
1750
1700

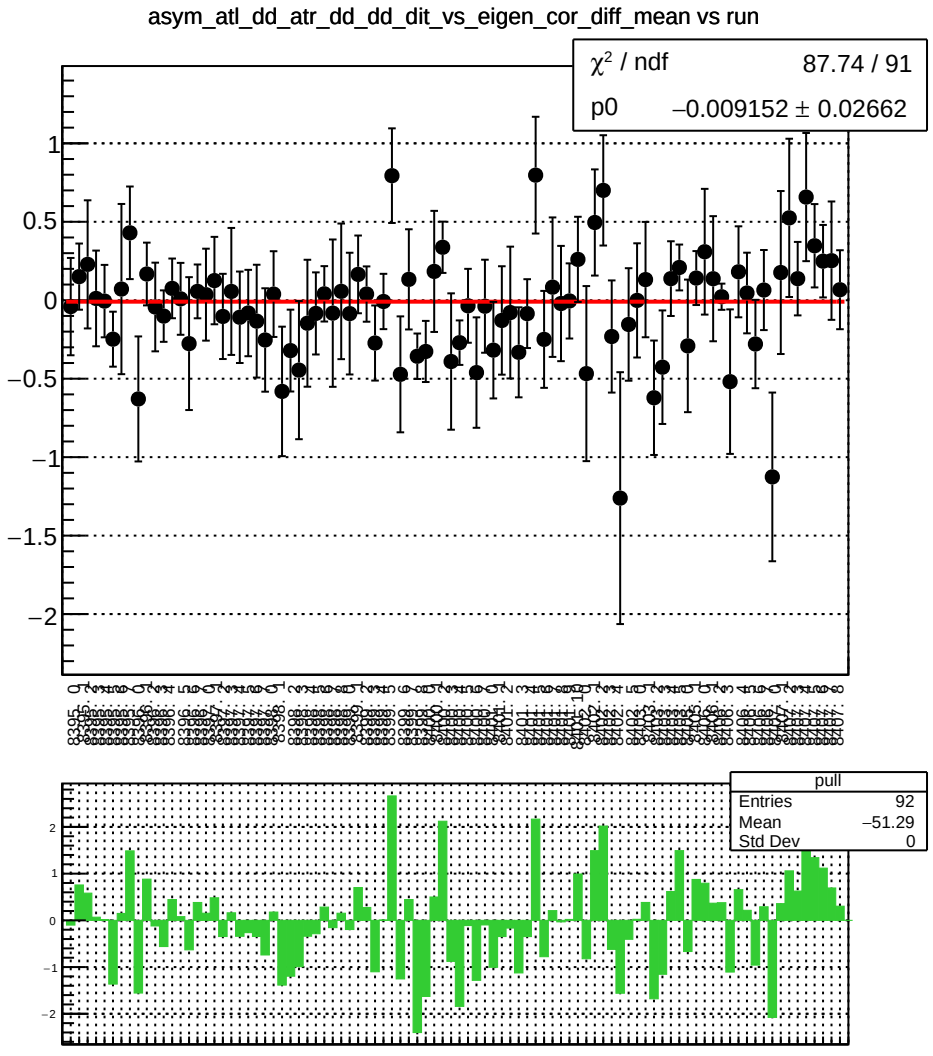

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.65 / 91
p0 −1.16e−13 ± 1.34e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 92
Mean 77.89
Std Dev 39.58
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.04073
Std Dev 0.9584
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

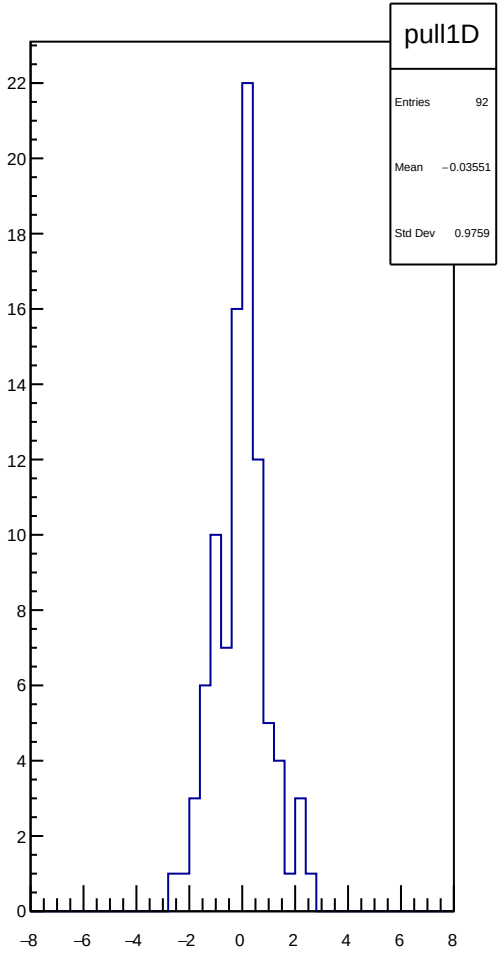

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.016e+06 / 91
p0 7.971e−11 ± 9.473e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

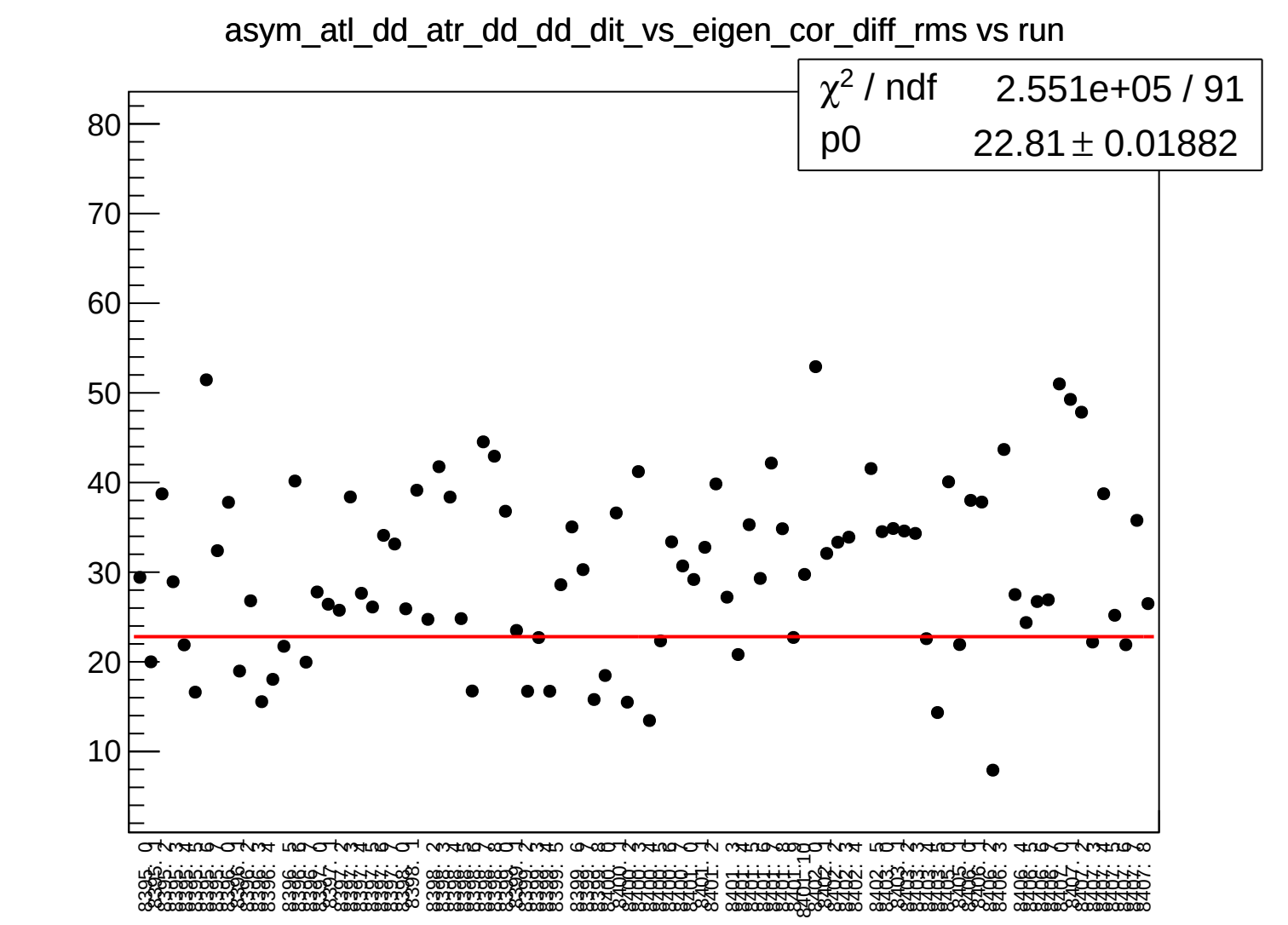

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009152 ± 0.02662
pull
Entries 92
Mean −51.29
Std Dev 0

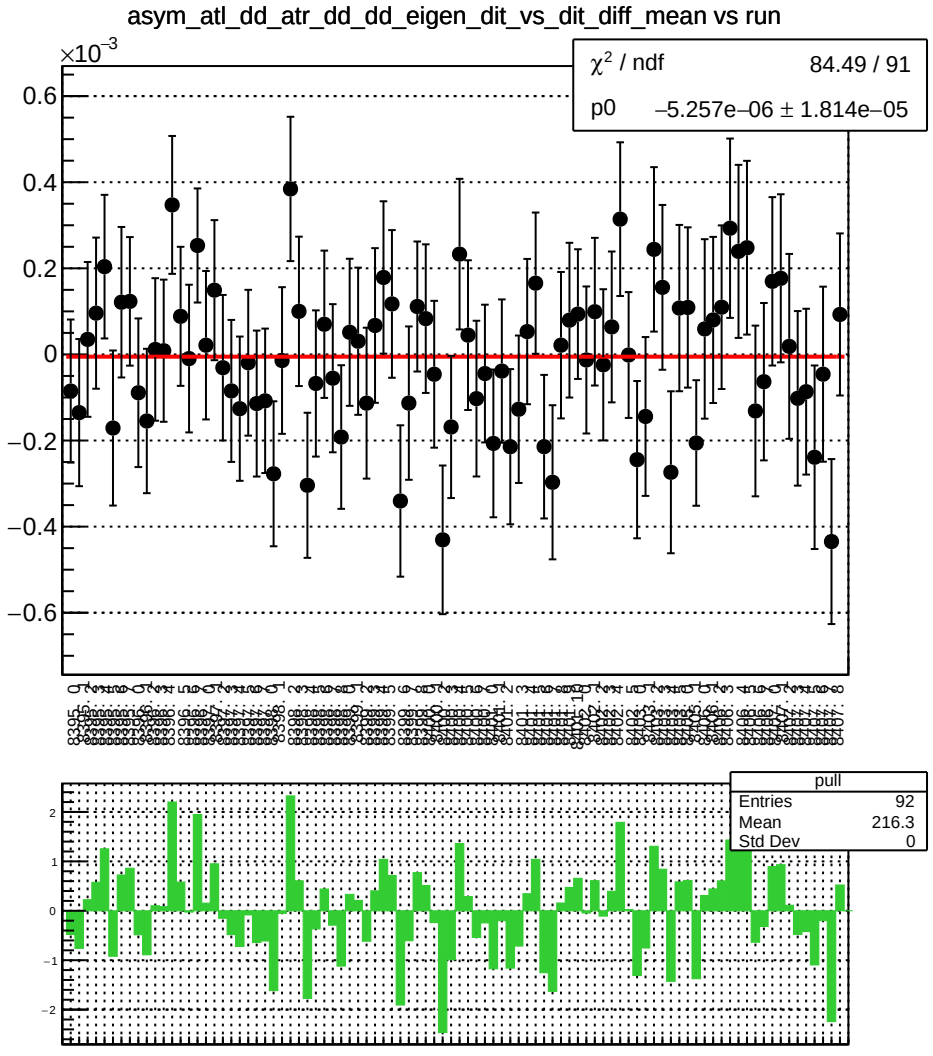

pull1D
Entries 92
Mean −0.03551
Std Dev 0.9759

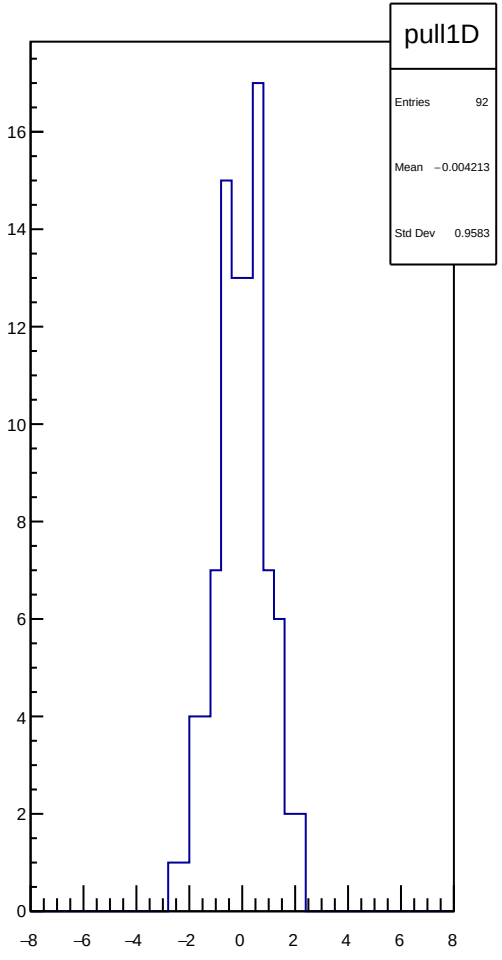

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

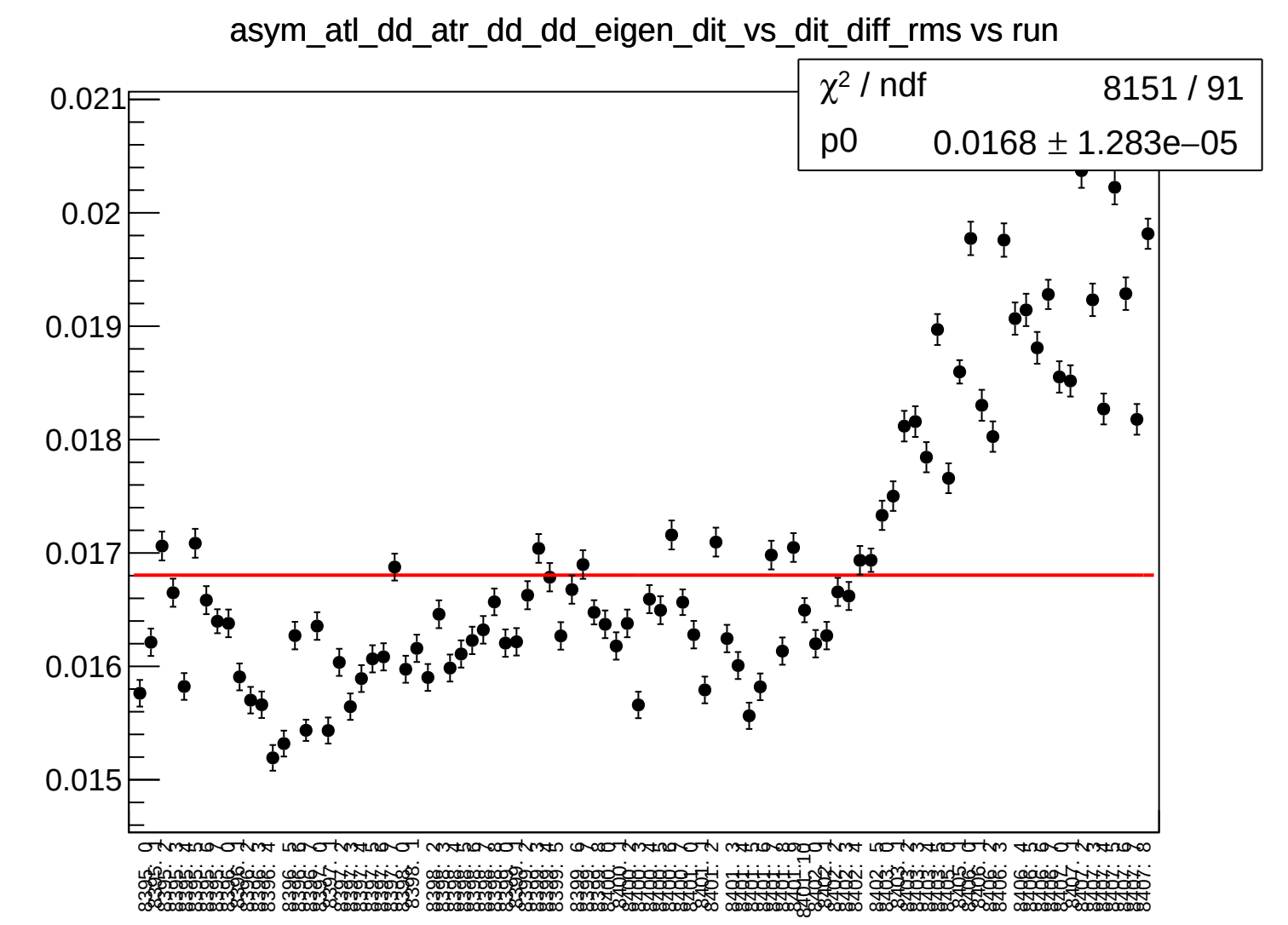

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009152 ± 0.02662
pull
Entries 92
Mean −51.29
Std Dev 0

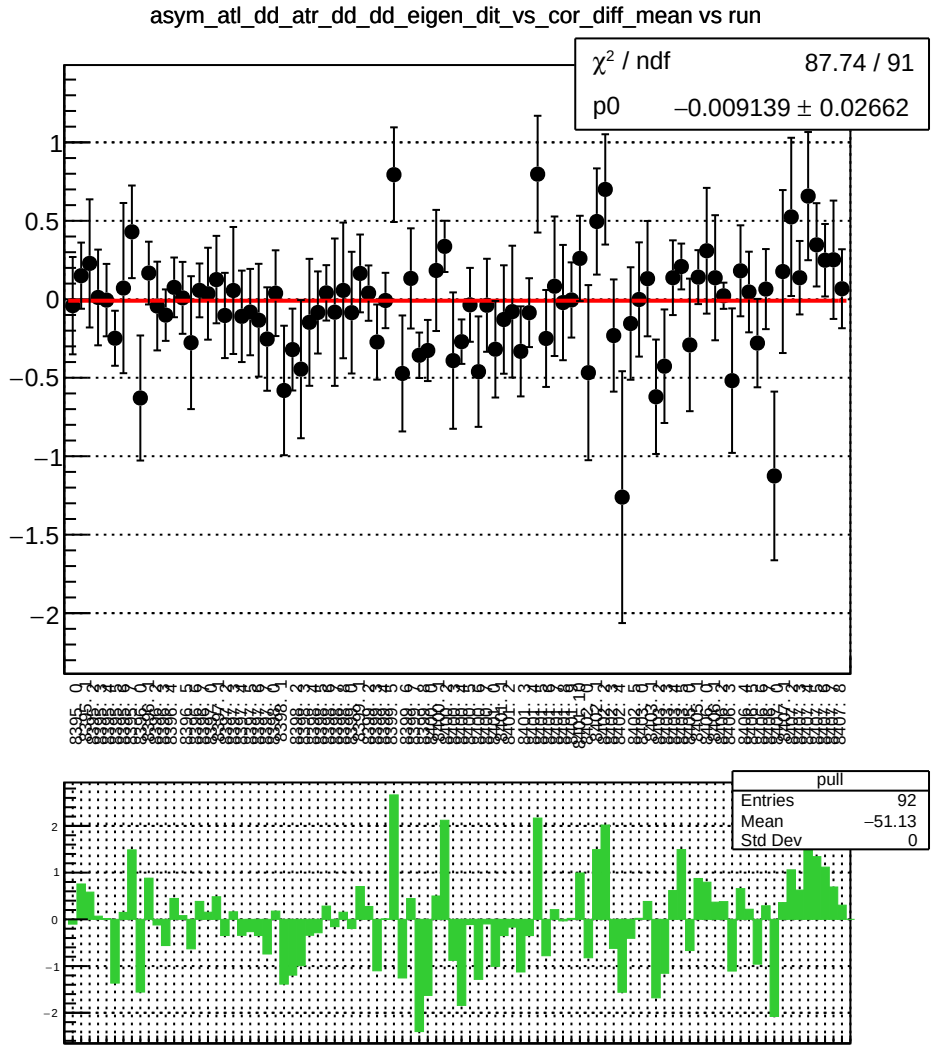

pull1D
Entries 92
Mean −0.03551
Std Dev 0.9759

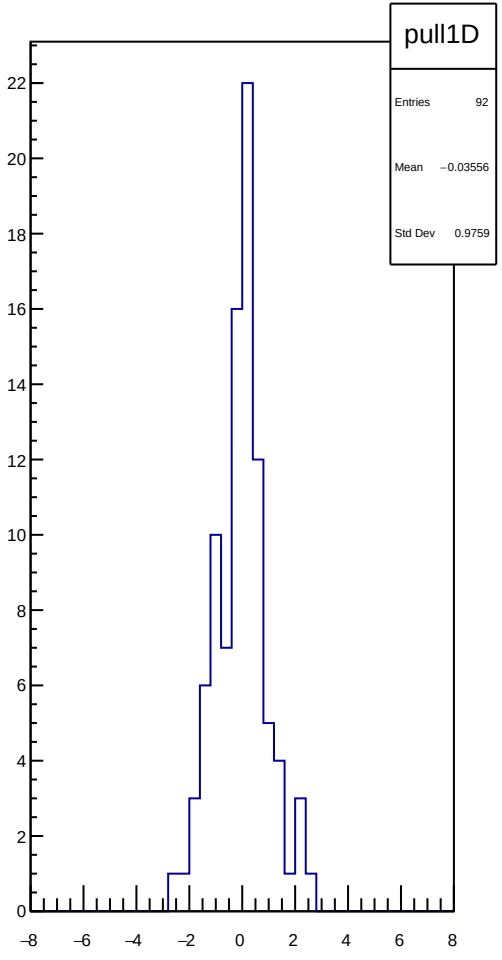

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

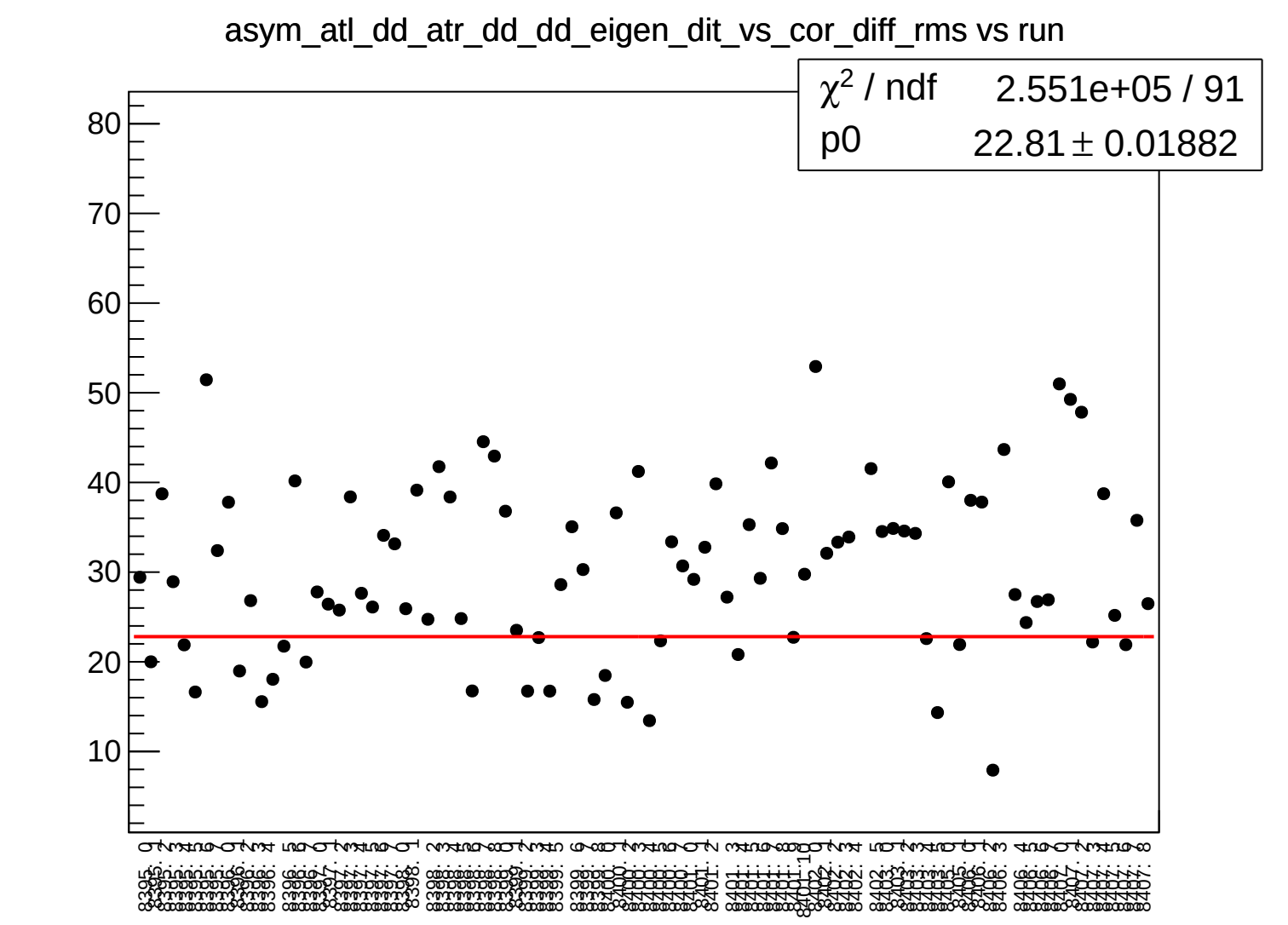

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.49 / 91
p0 −5.257e−06 ± 1.814e−05
pull
Entries 92
Mean 216.3
Std Dev 0

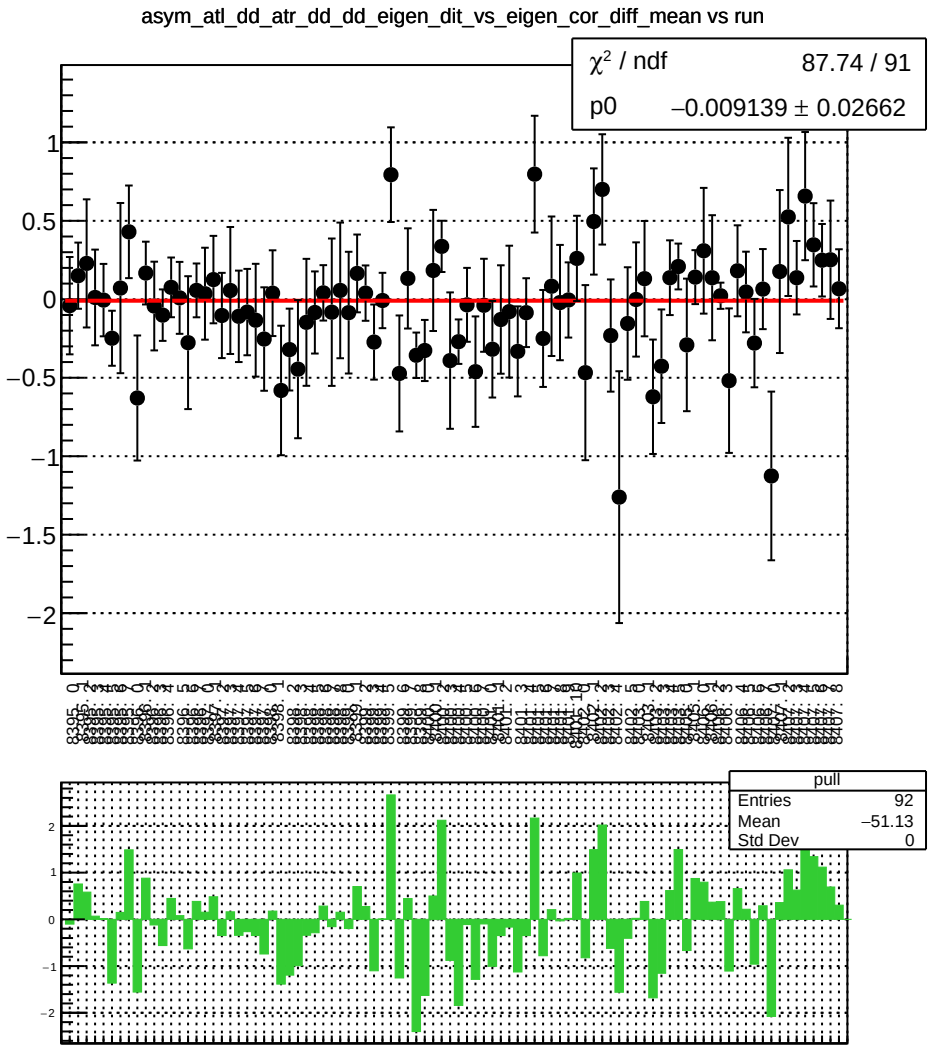

pull1D
Entries 92
Mean −0.004213
Std Dev 0.9583

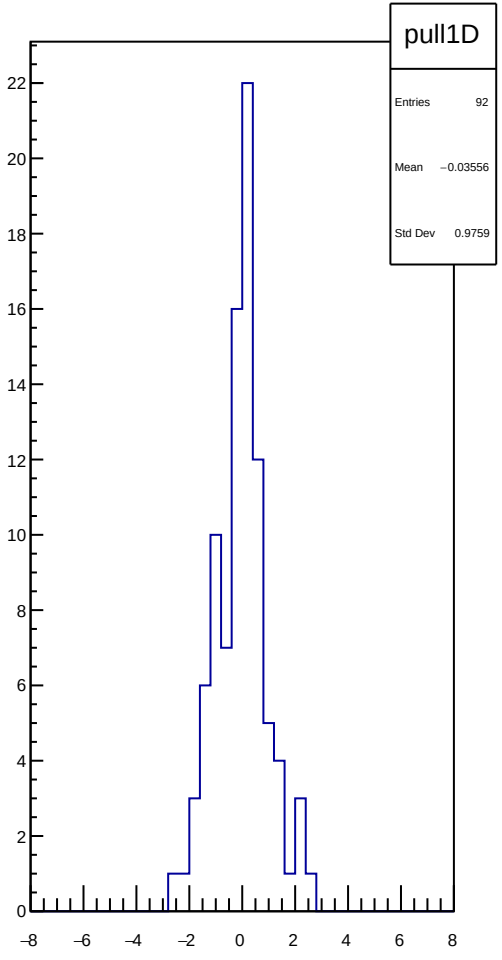

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8151 / 91
p0 0.0168 ± 1.283e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015

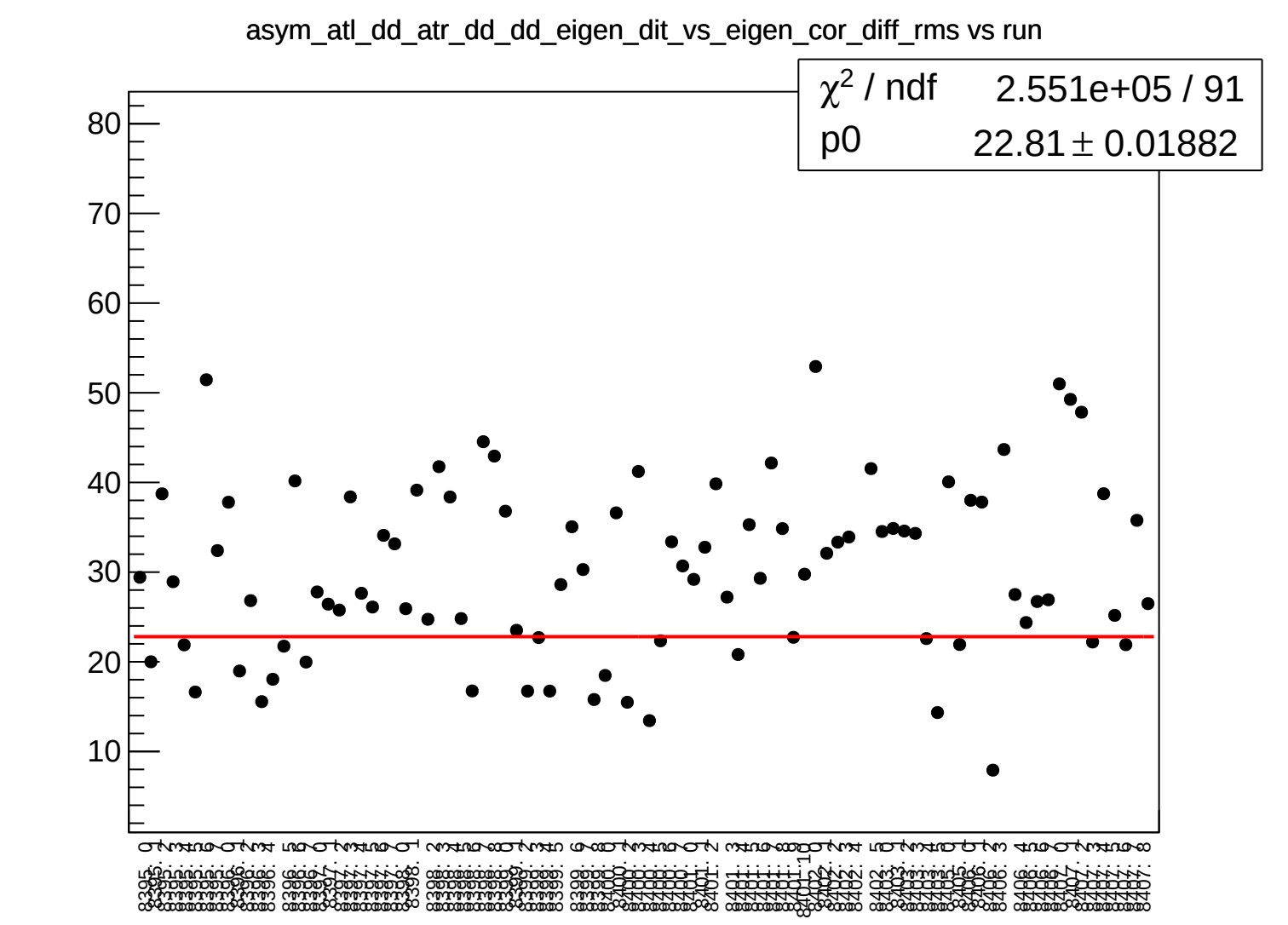

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009139 ± 0.02662
pull
Entries 92
Mean −51.13
Std Dev 0

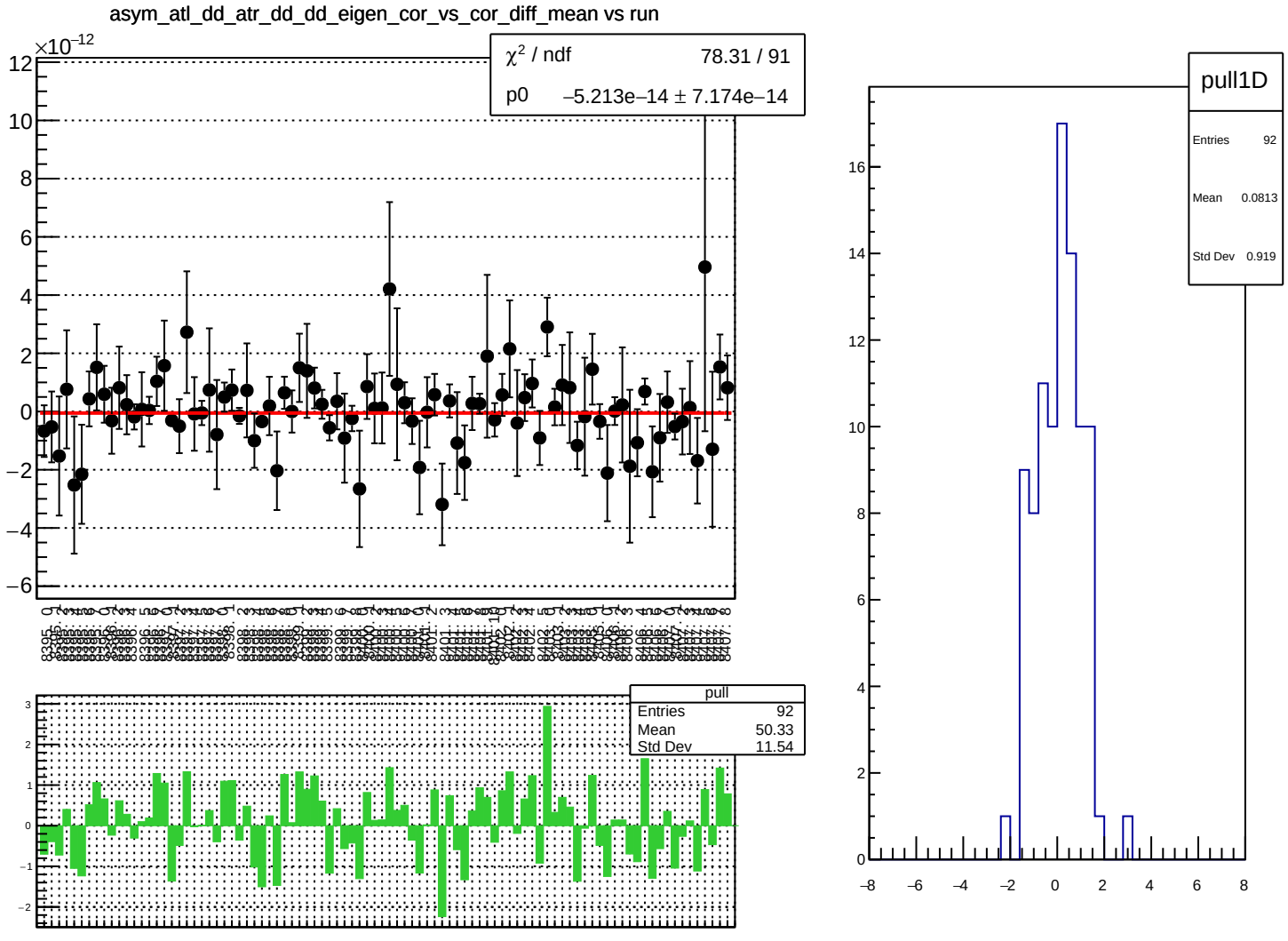

pull1D
Entries 92
Mean −0.03556
Std Dev 0.9759

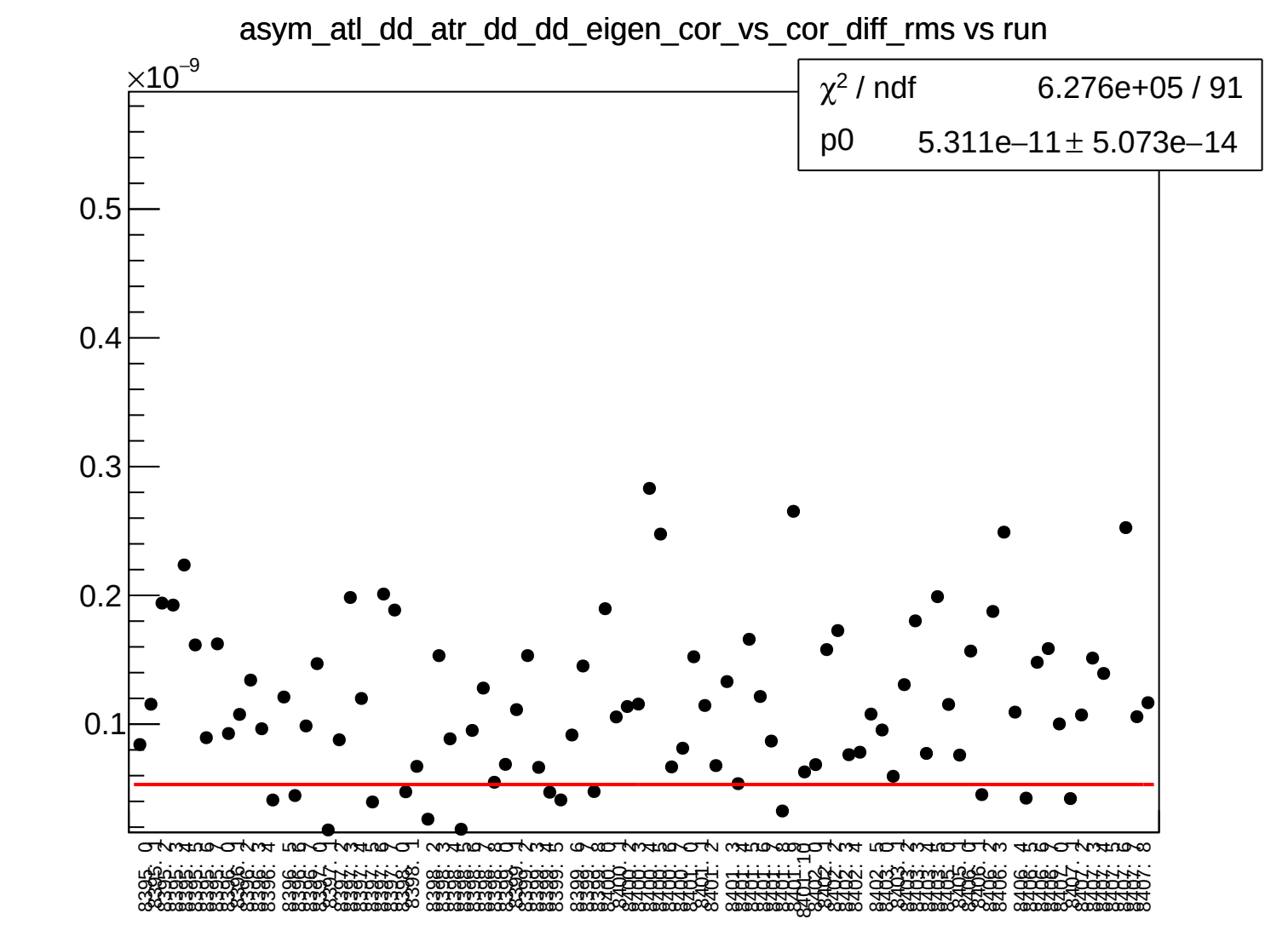

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

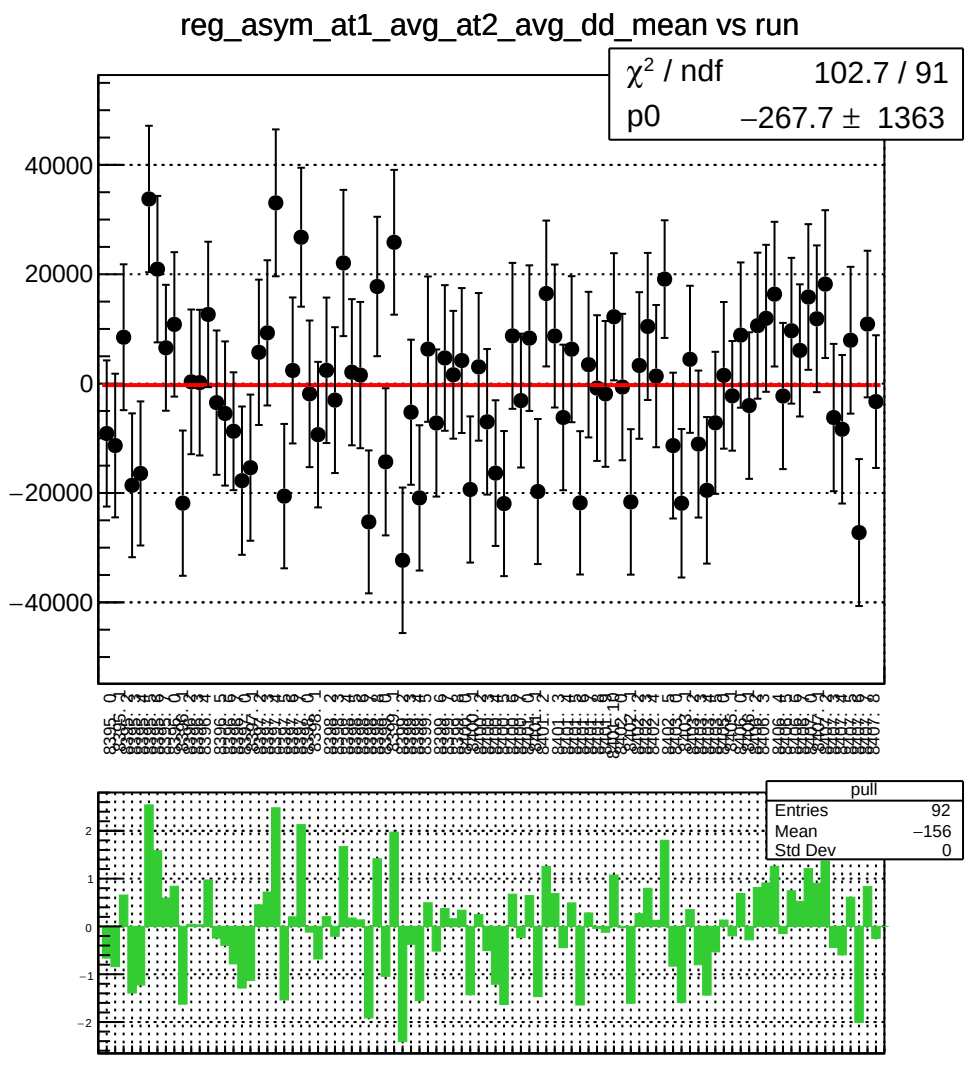

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009139 ± 0.02662
pull
Entries 92
Mean −51.13
Std Dev 0

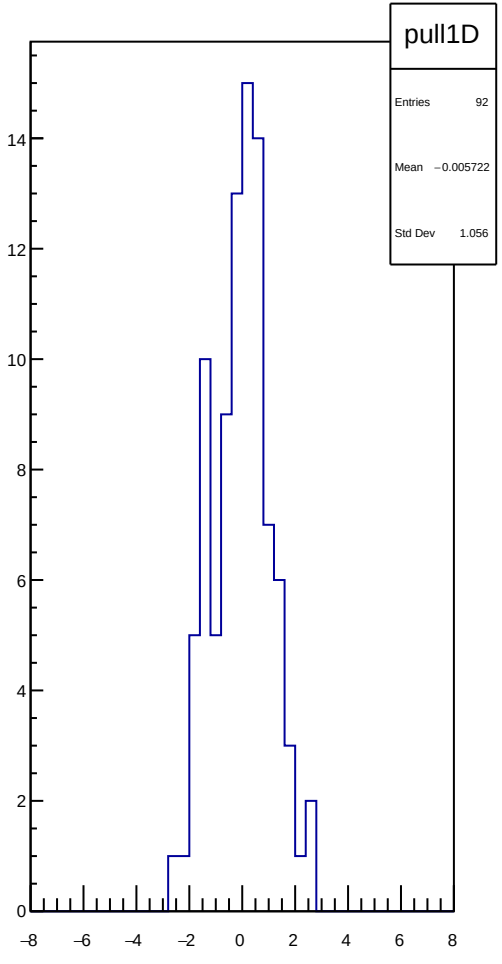

pull1D
Entries 92
Mean −0.03556
Std Dev 0.9759

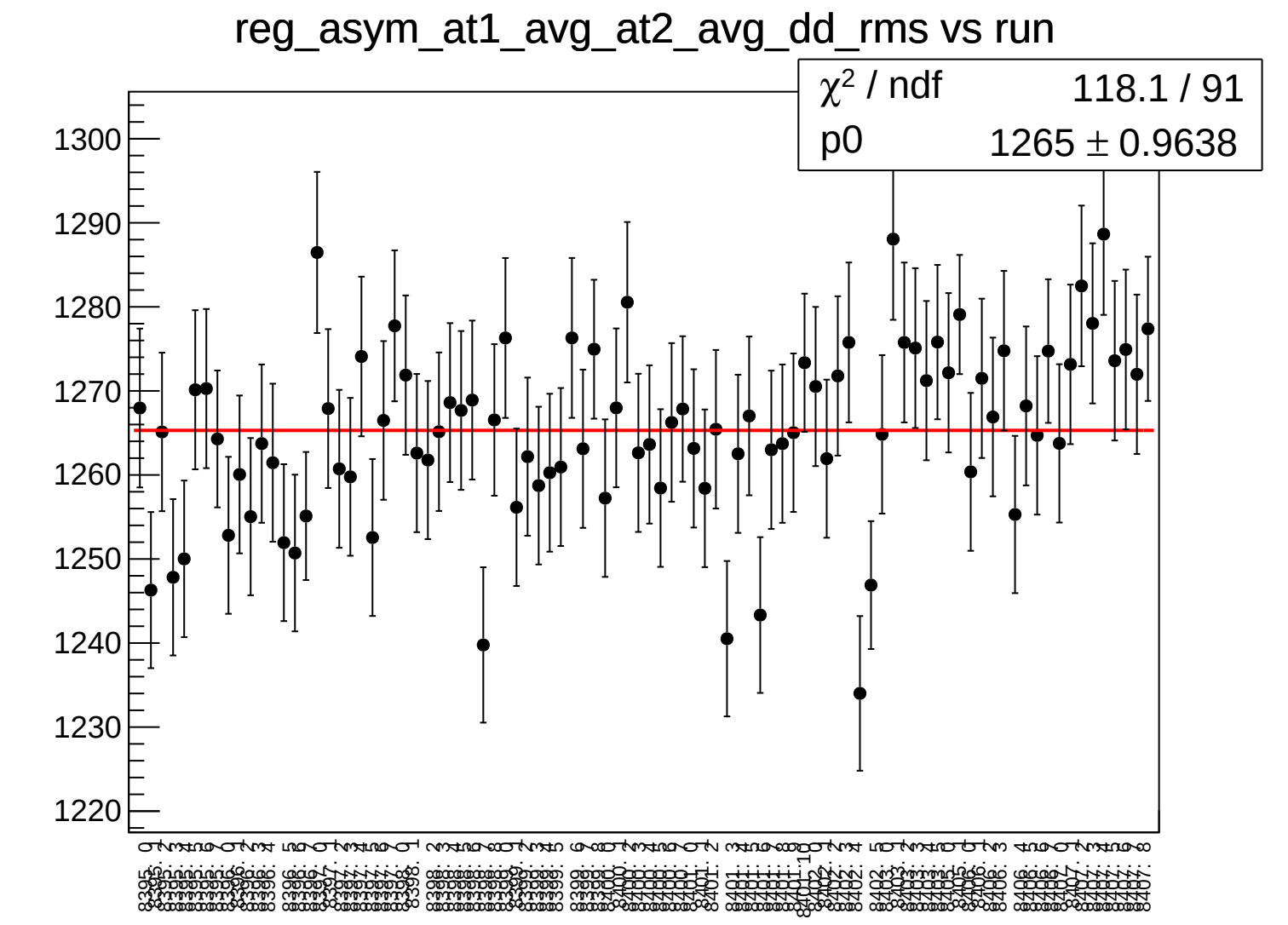

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

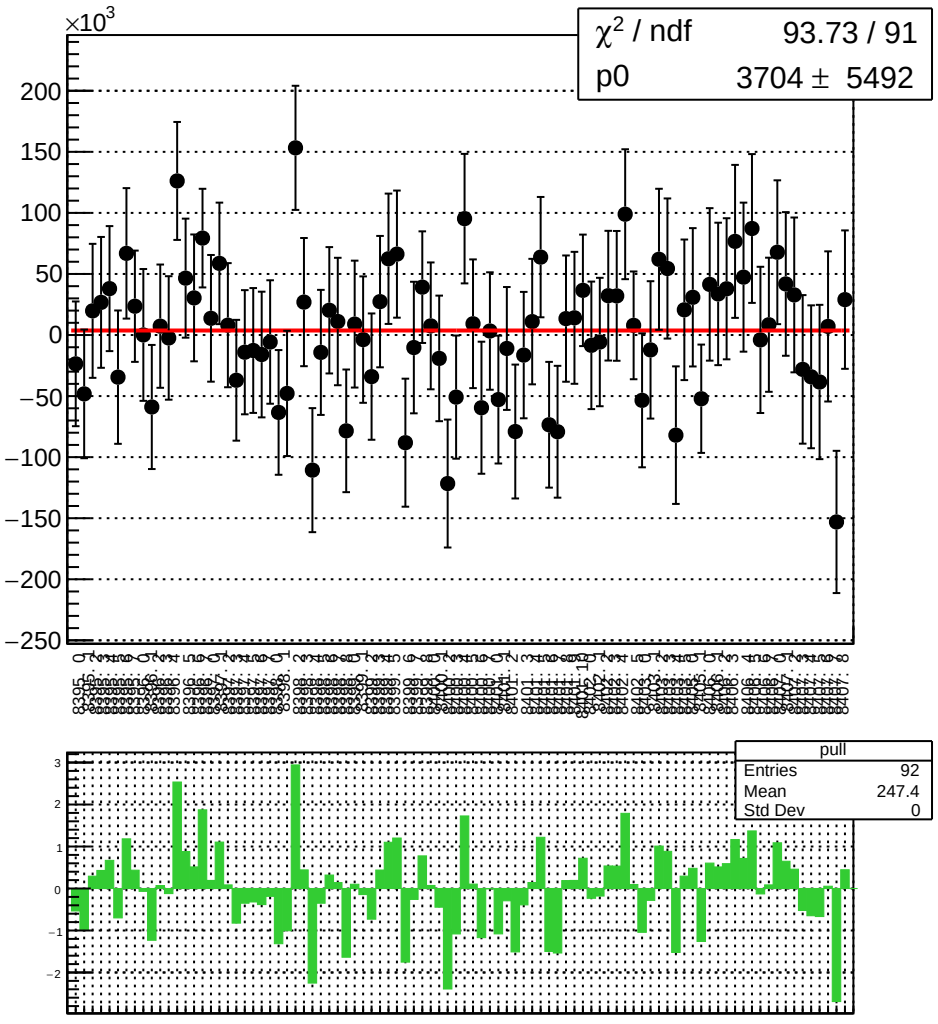

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10^-12
χ² / ndf 78.31 / 91
p0 −5.213e−14 ± 7.174e−14
pull
Entries 92
Mean 50.33
Std Dev 11.54
pull1D
Entries 92
Mean 0.0813
Std Dev 0.919

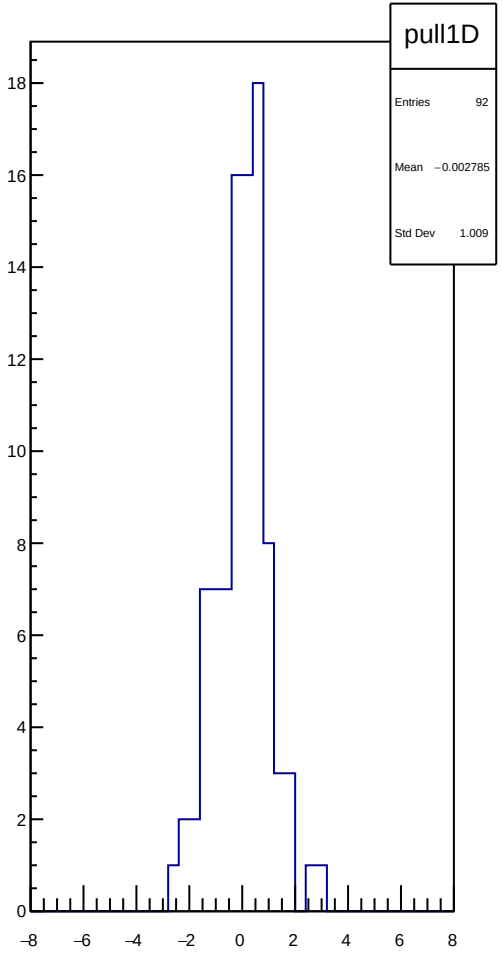

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.276e+05 / 91
p0 5.311e−11 ± 5.073e−14
0.5
0.4
0.3
0.2
0.1

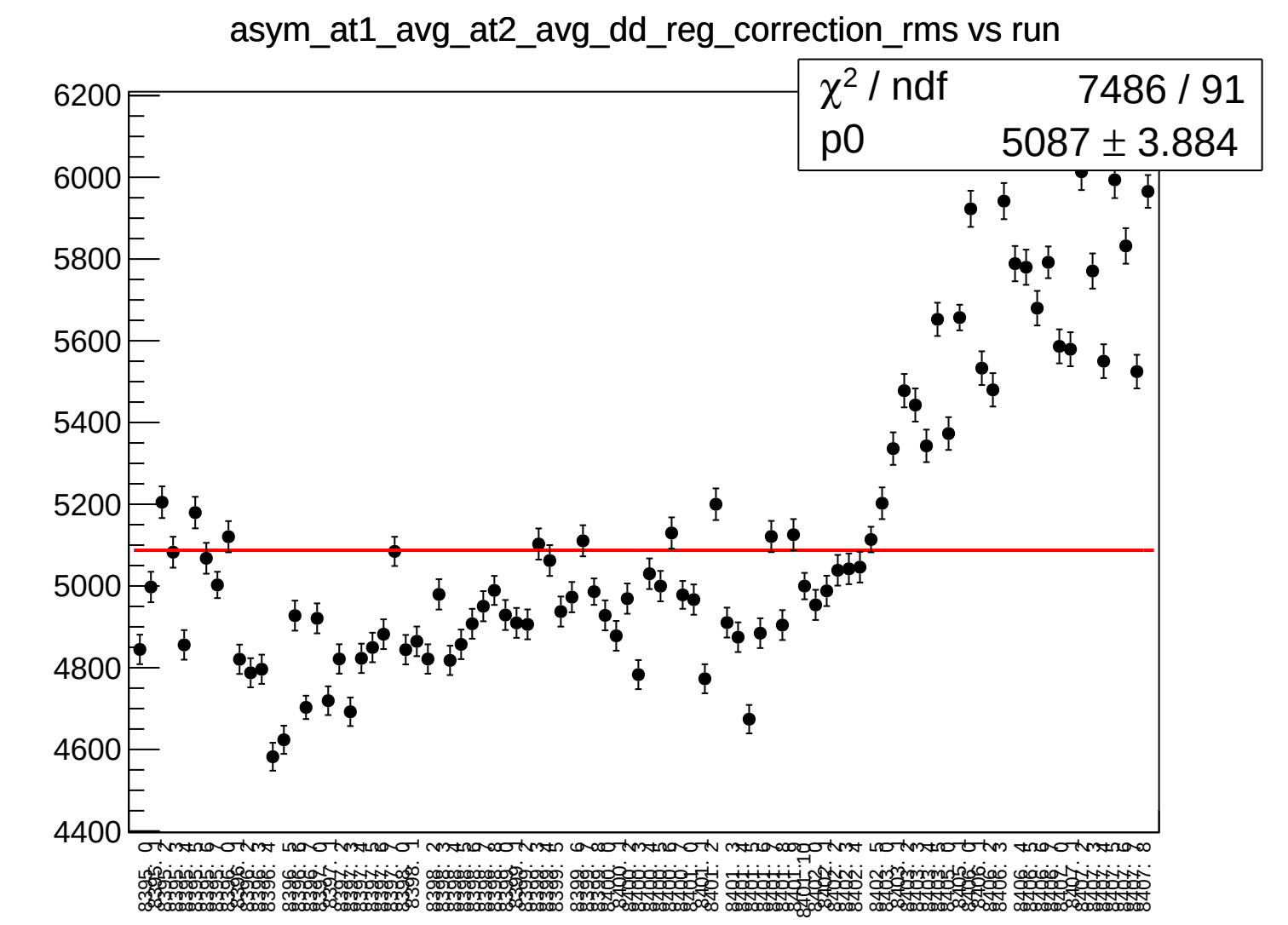

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −267.7 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −156
Std Dev 0
2
1
0
−1
−2

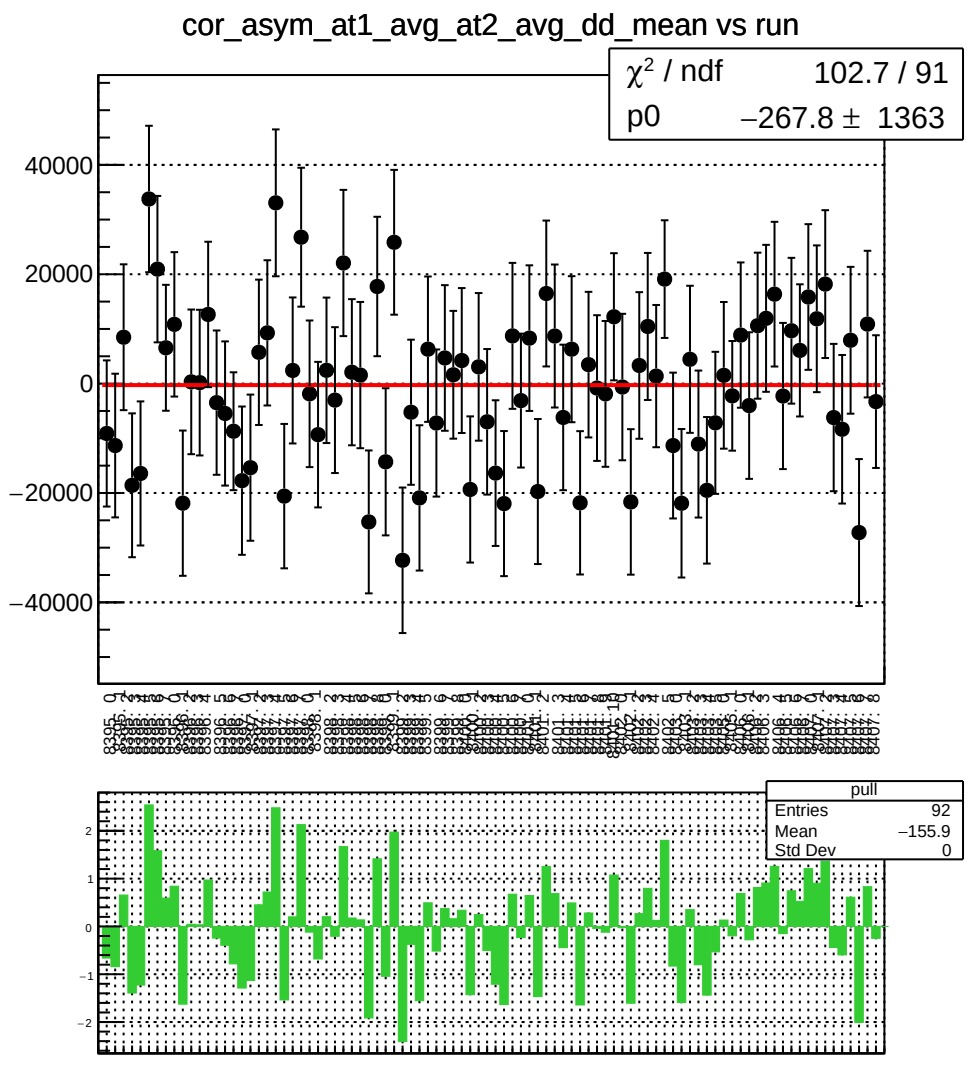

pull1D
Entries 92
Mean −0.005722
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

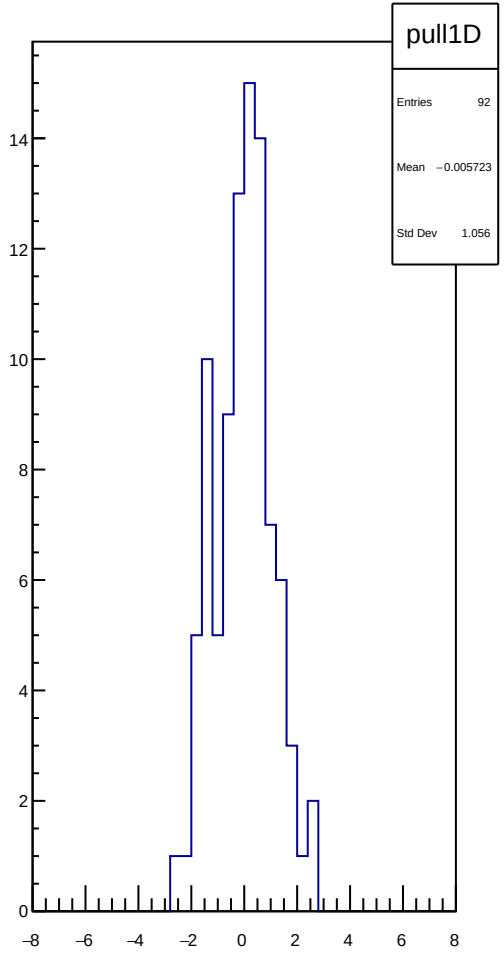

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

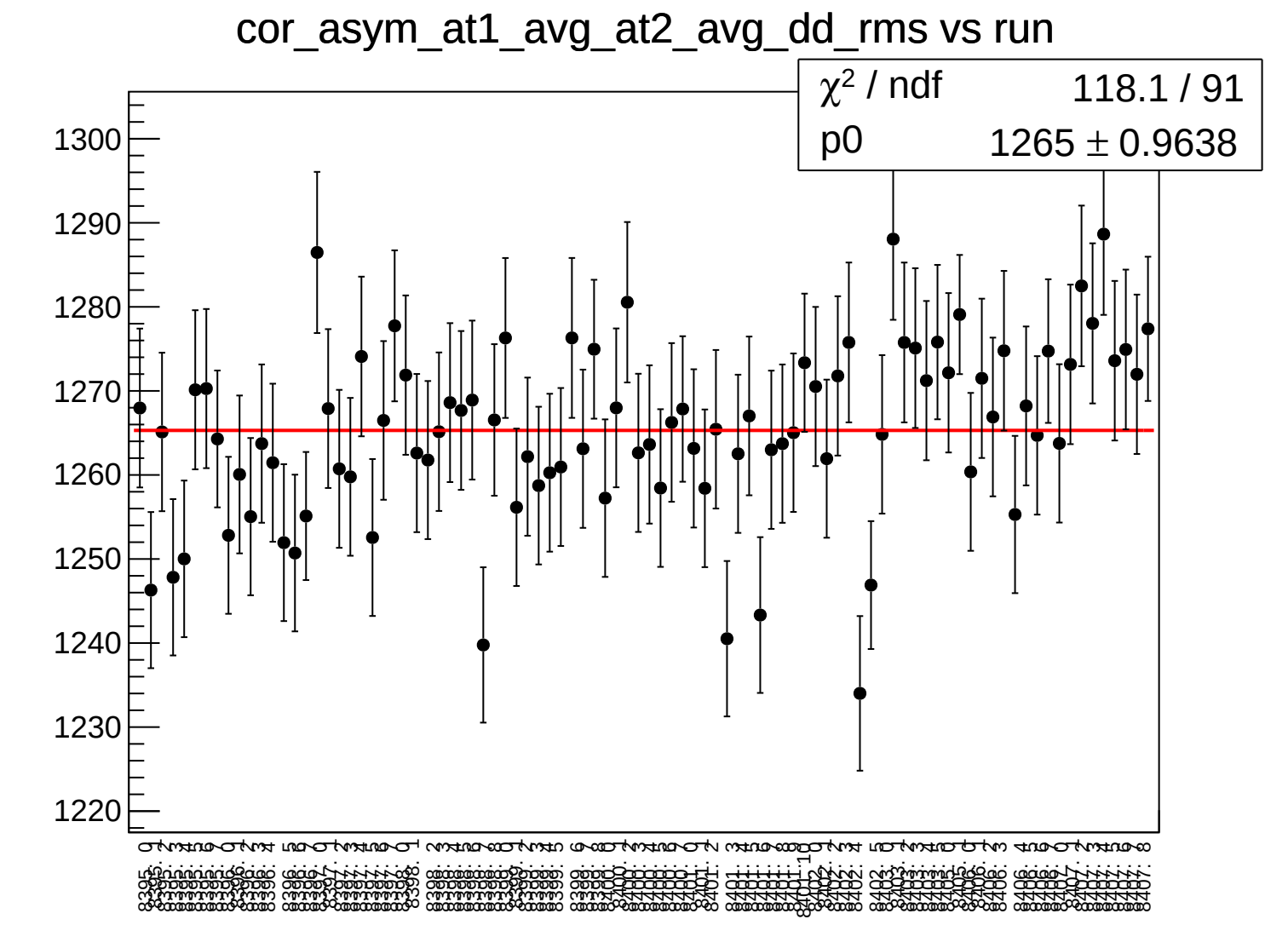

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 93.73 / 91
p0 3704 ± 5492
pull
Entries 92
Mean 247.4
Std Dev 0

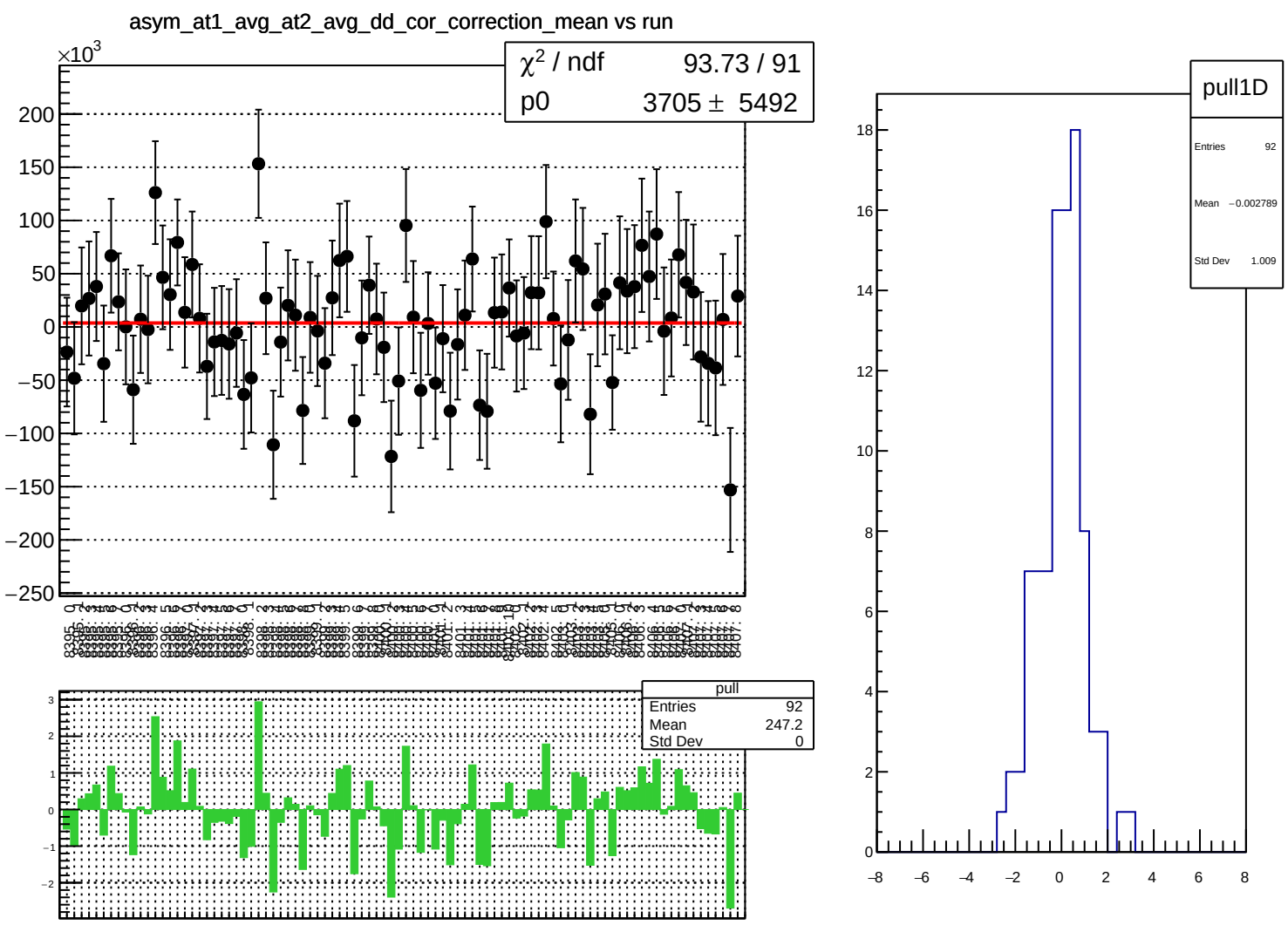

pull1D
Entries 92
Mean −0.002785
Std Dev 1.009

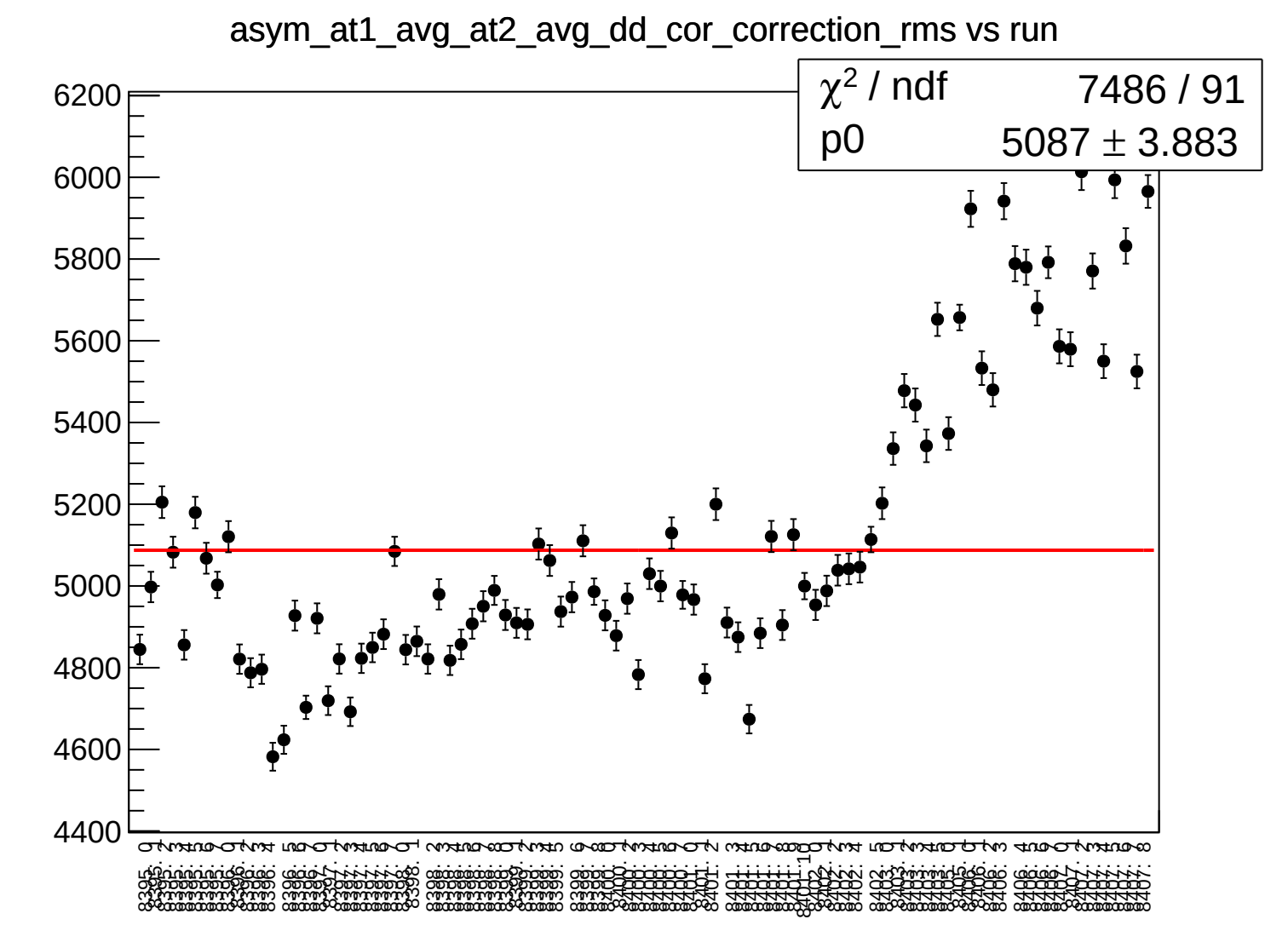

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.884
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

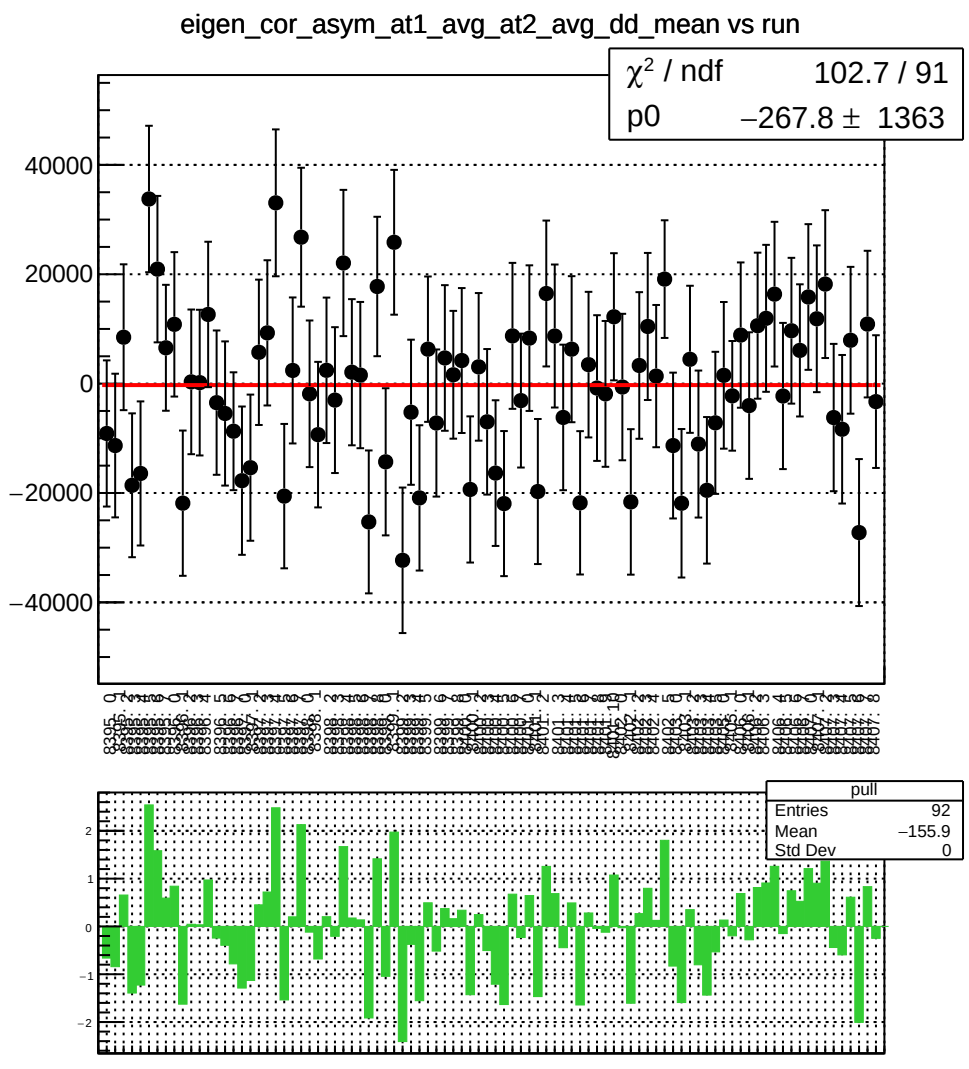

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −267.8 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −155.9
Std Dev 0
2
1
0
−1
−2

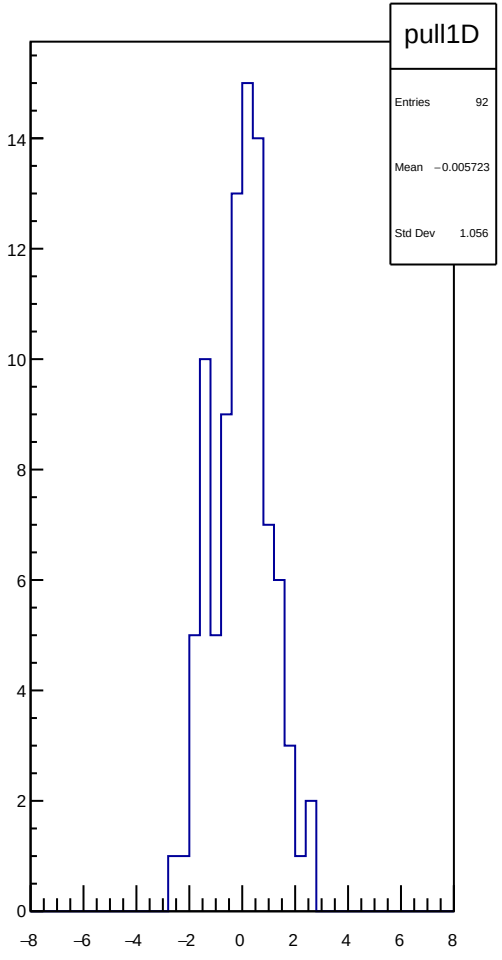

pull1D
Entries 92
Mean −0.005723
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

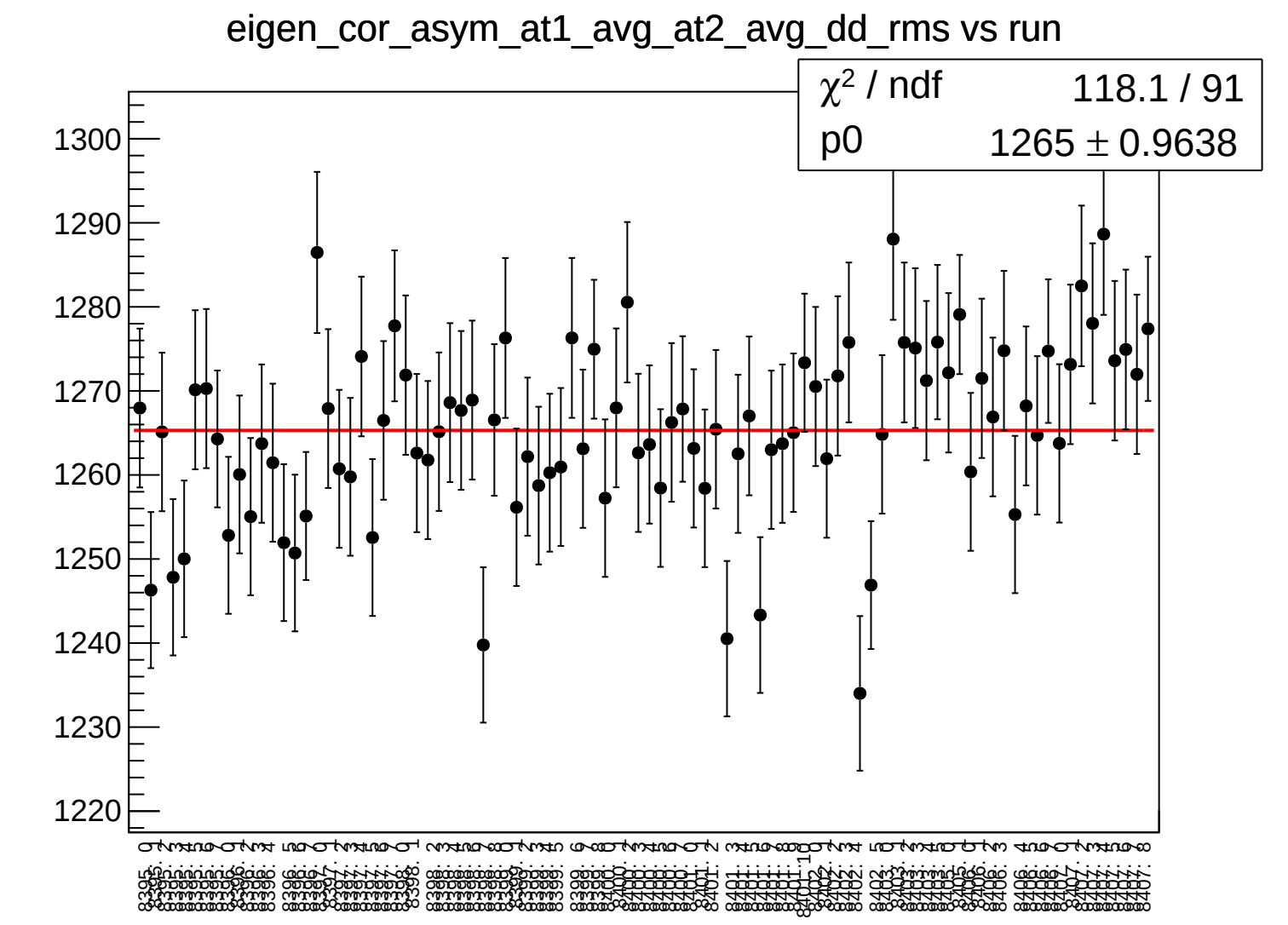

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

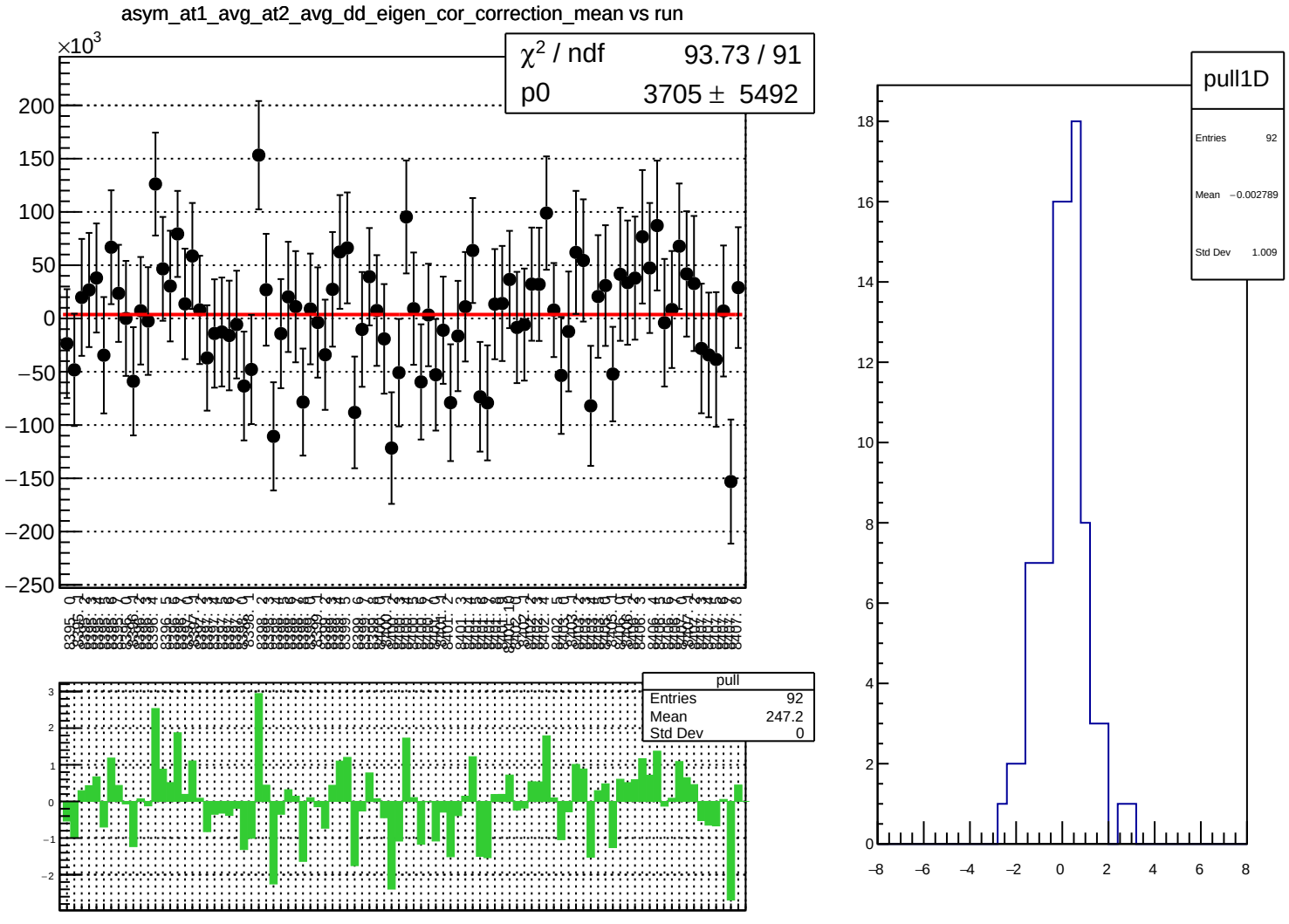

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.73 / 91
p0 3705 ± 5492
pull
Entries 92
Mean 247.2
Std Dev 0
pull1D
Entries 92
Mean −0.002789
Std Dev 1.009

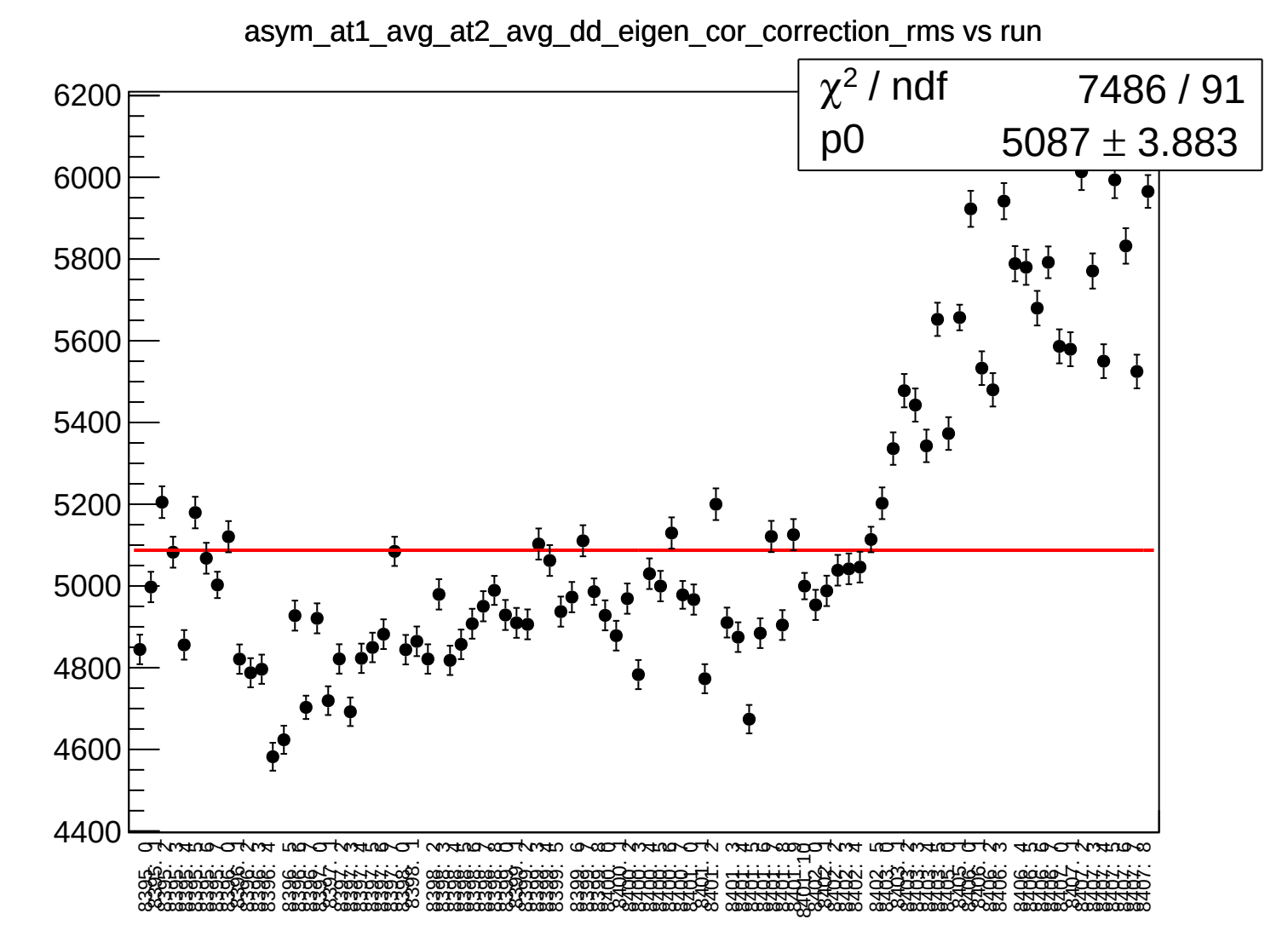

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.883
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

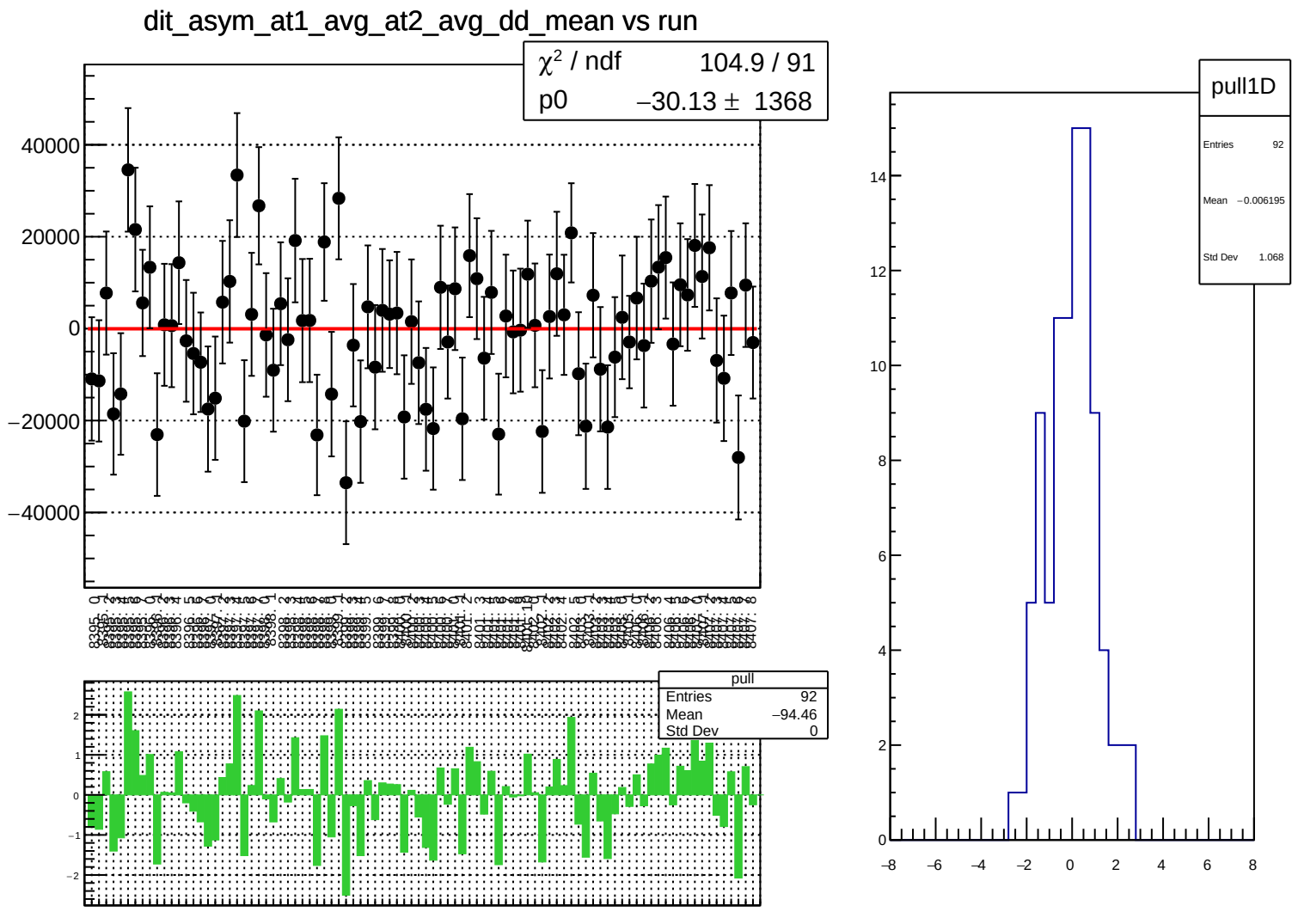

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −267.8 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −155.9
Std Dev 0
2
1
0
−1
−2

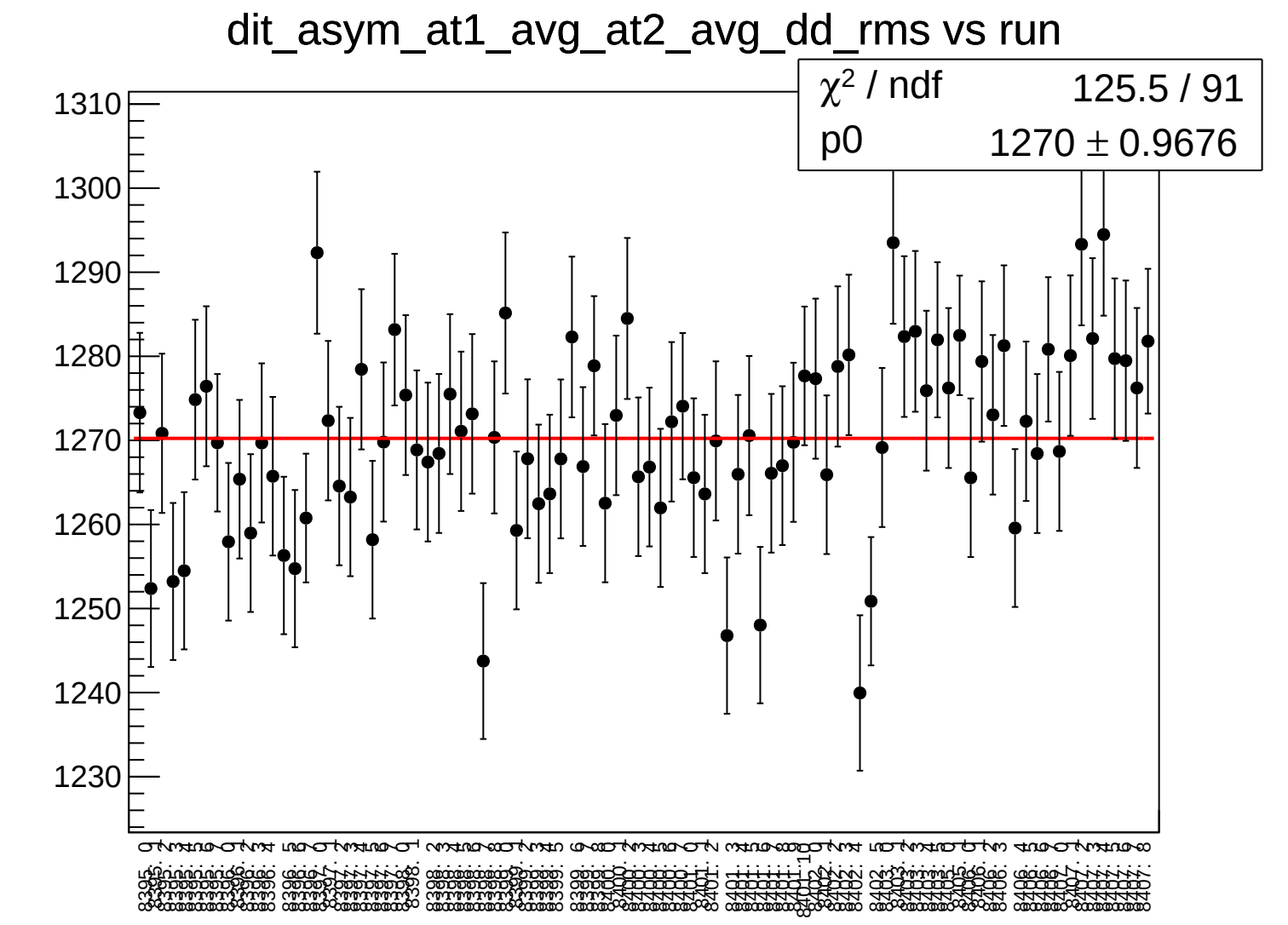

pull1D
Entries 92
Mean −0.005723
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

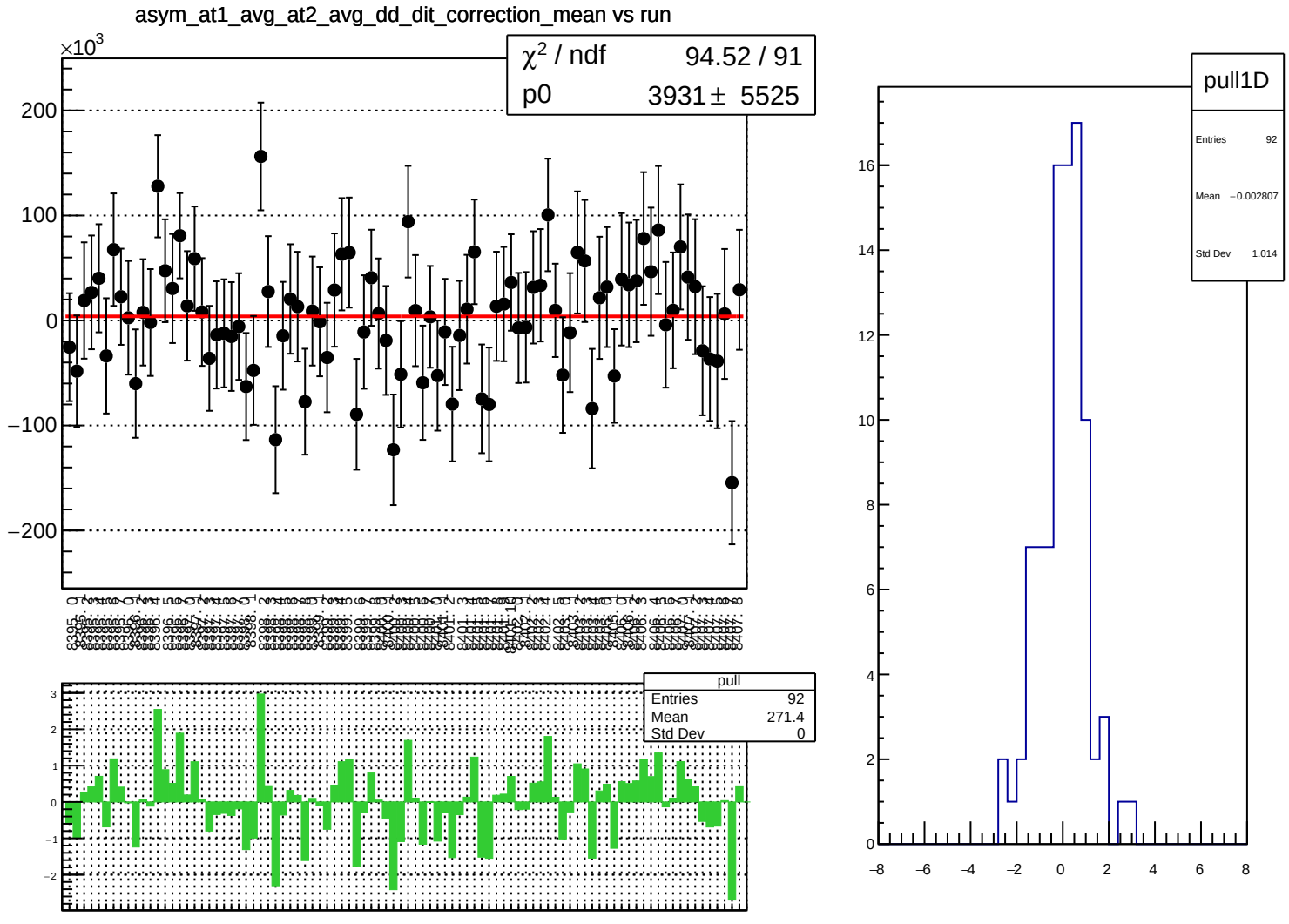

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
$\chi^2$ / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

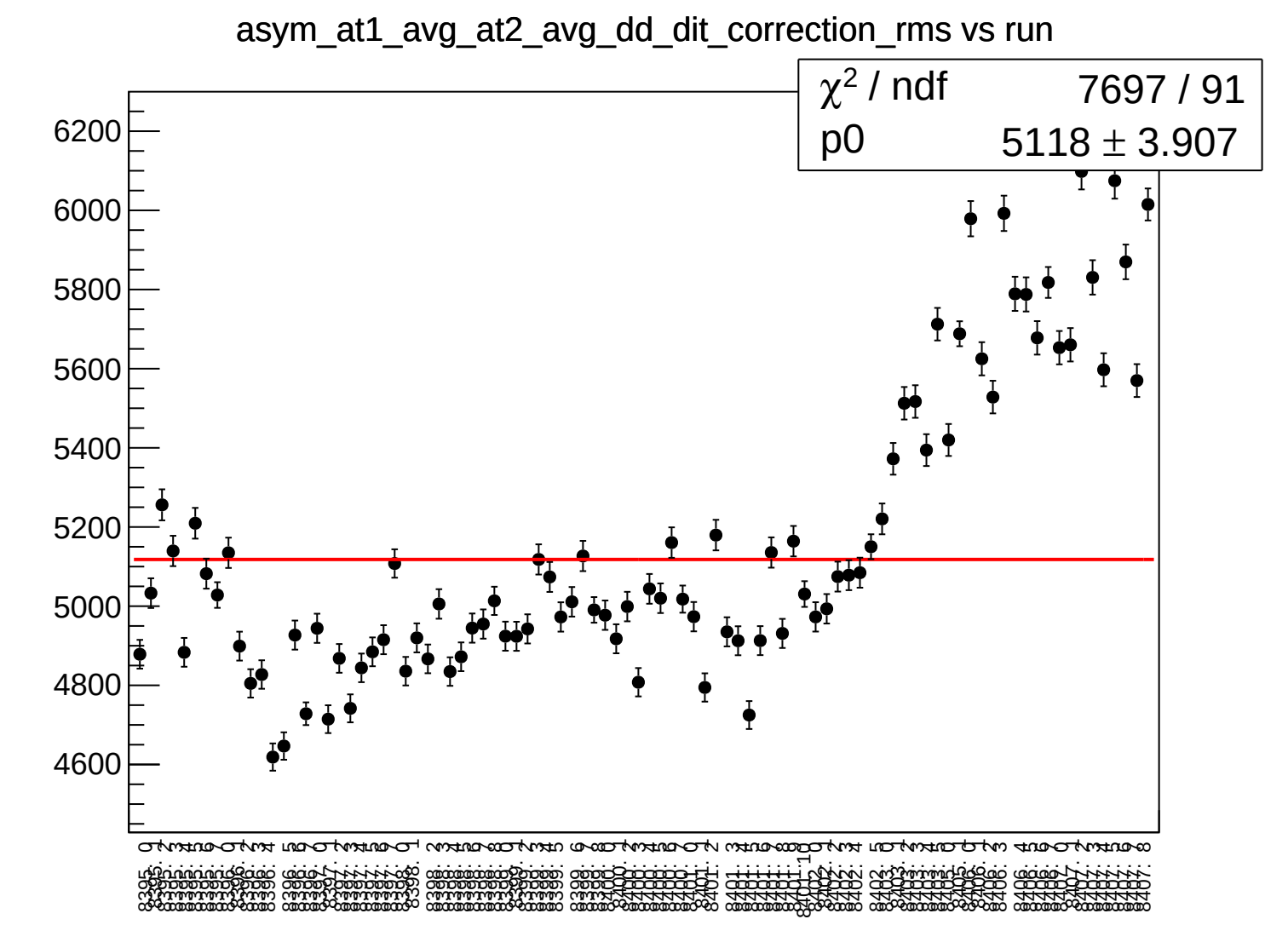

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.73 / 91
p0 3705 ± 5492
200
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 92
Mean 247.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002789
Std Dev 1.009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

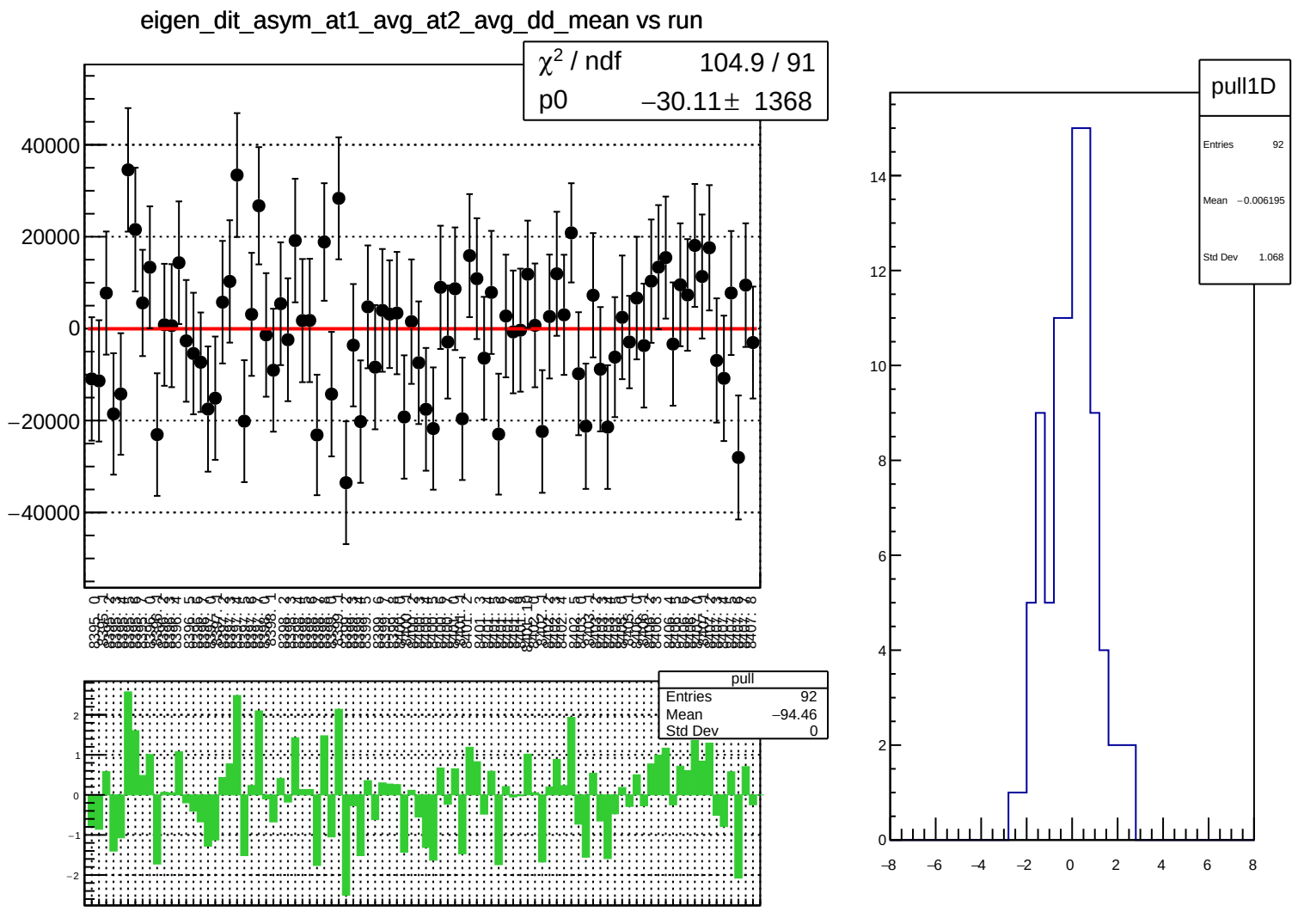

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.883
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

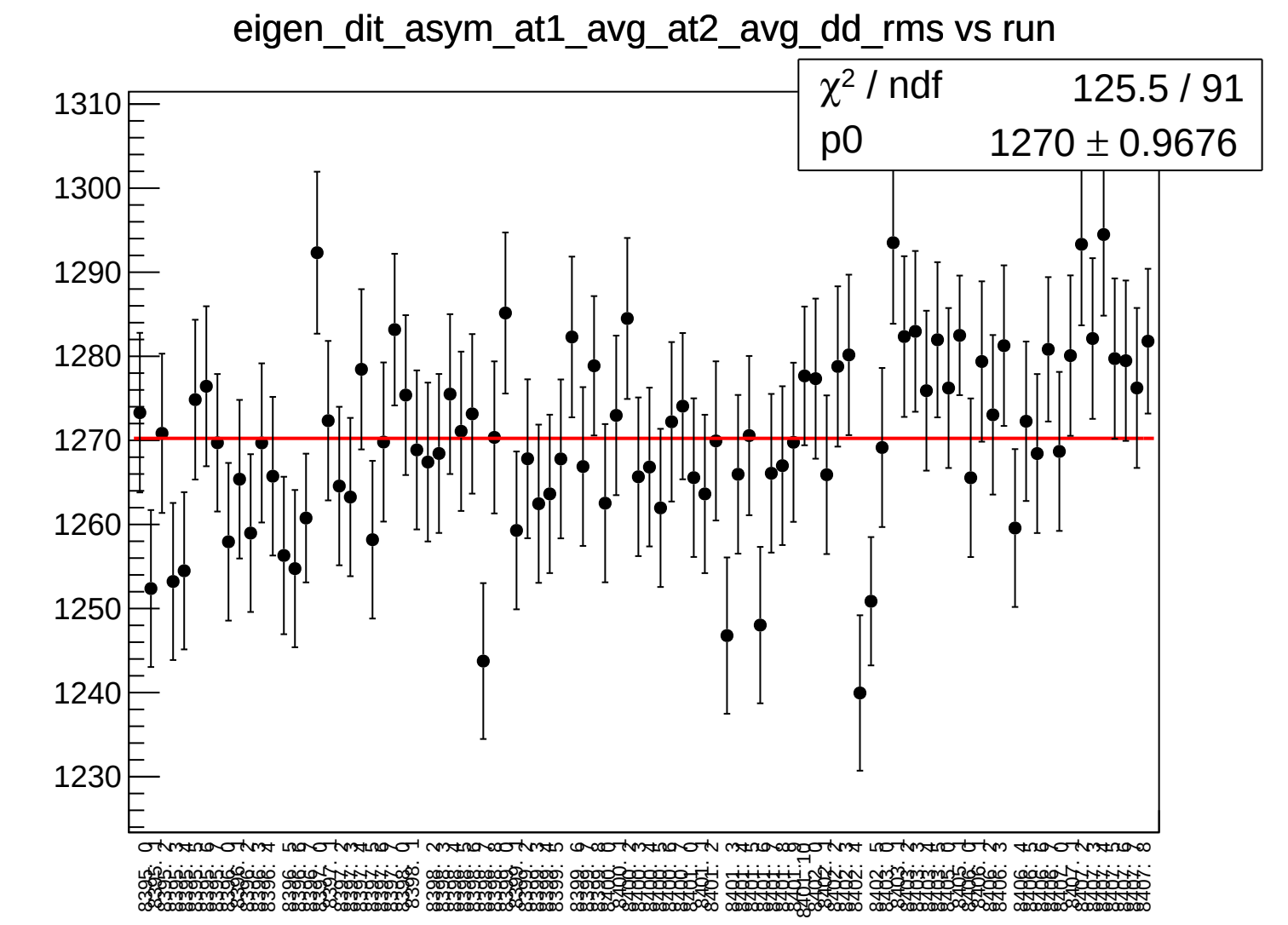

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 104.9 / 91
p0 −30.13 ± 1368
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006195
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

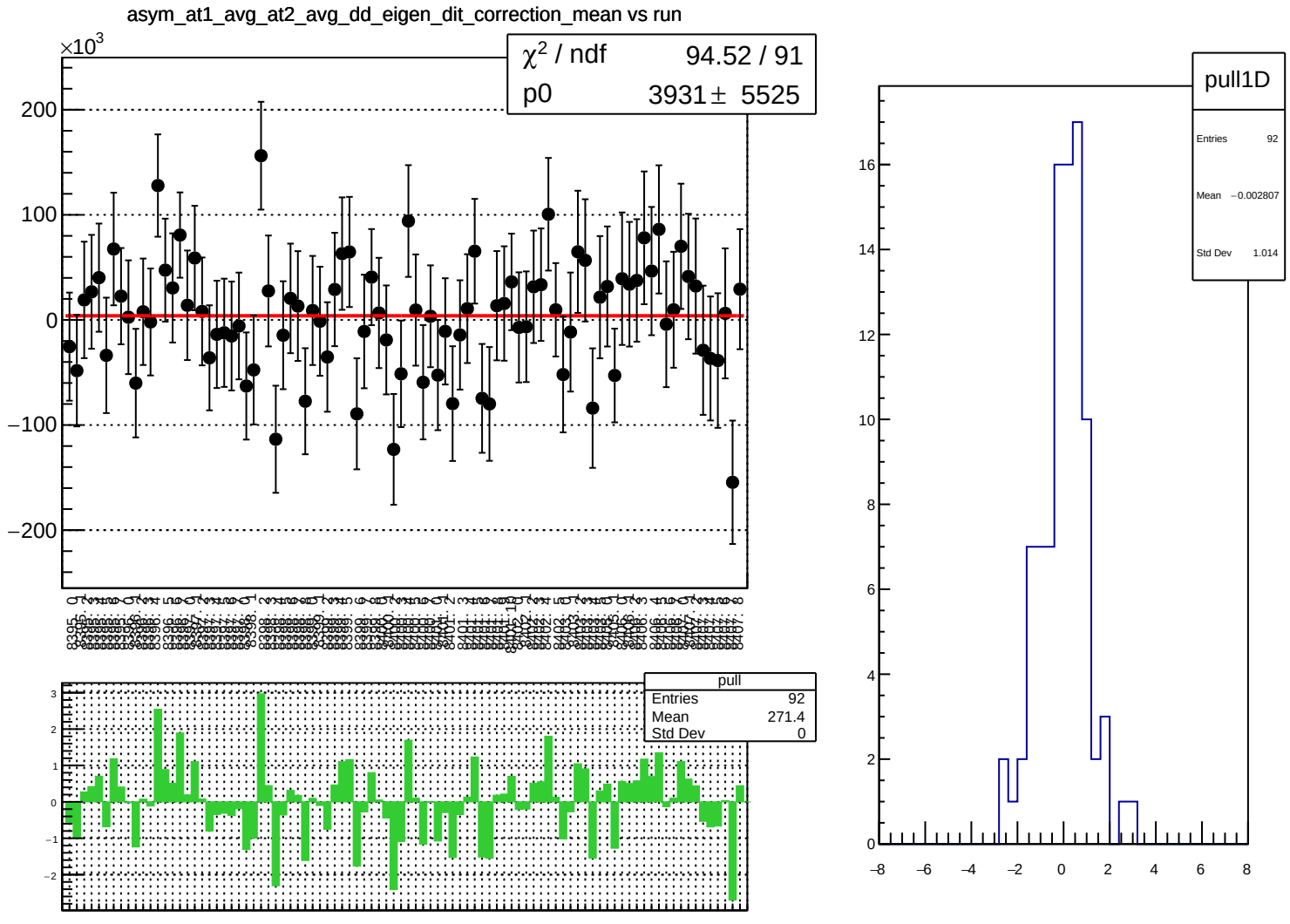

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 125.5 / 91
p0 1270 ± 0.9676
1310
1300
1290
1280
1270
1260
1250
1240
1230

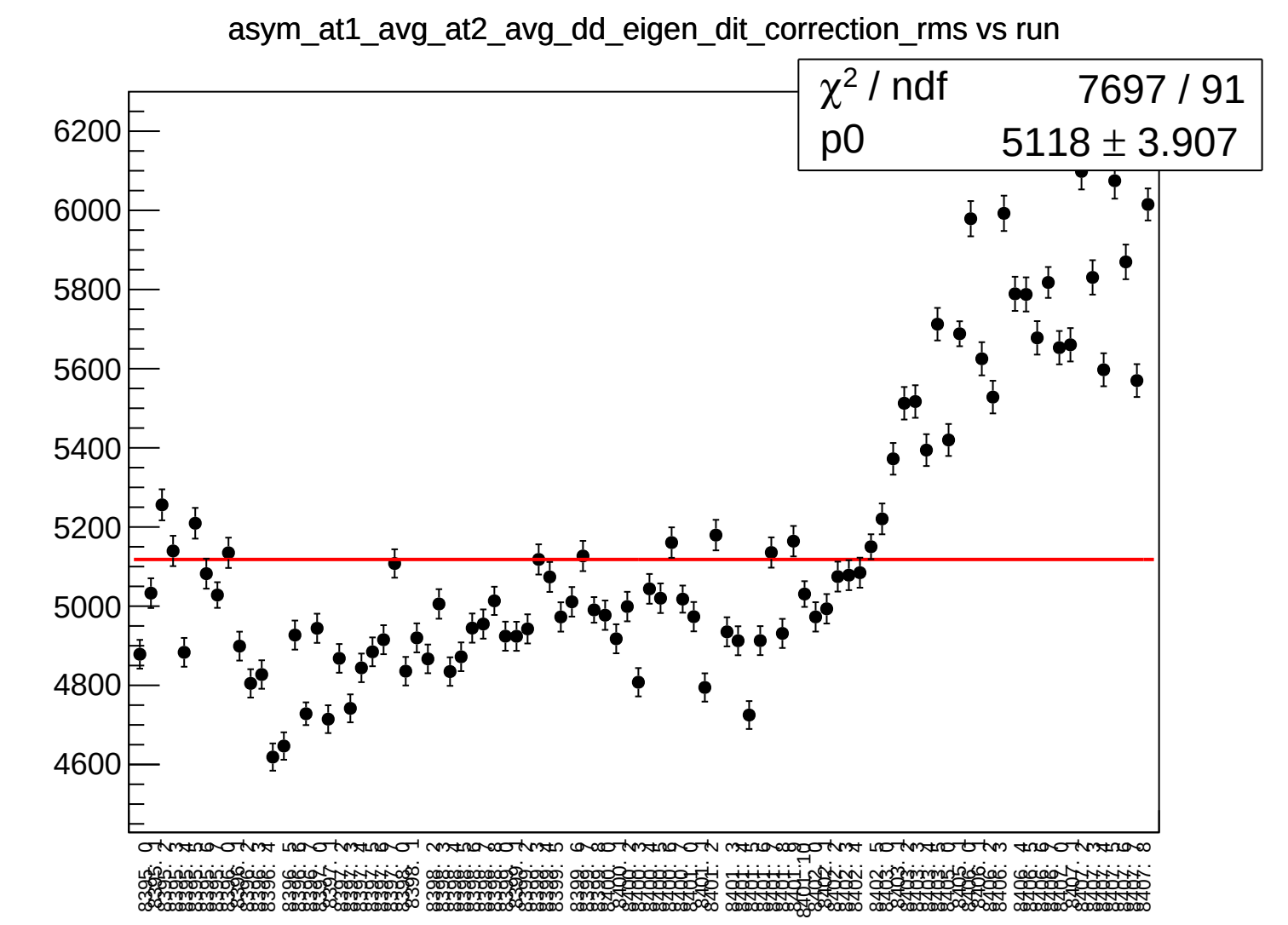

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 94.52 / 91
p0 3931 ± 5525
200
100
0
−100
−200
pull
Entries 92
Mean 271.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002807
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

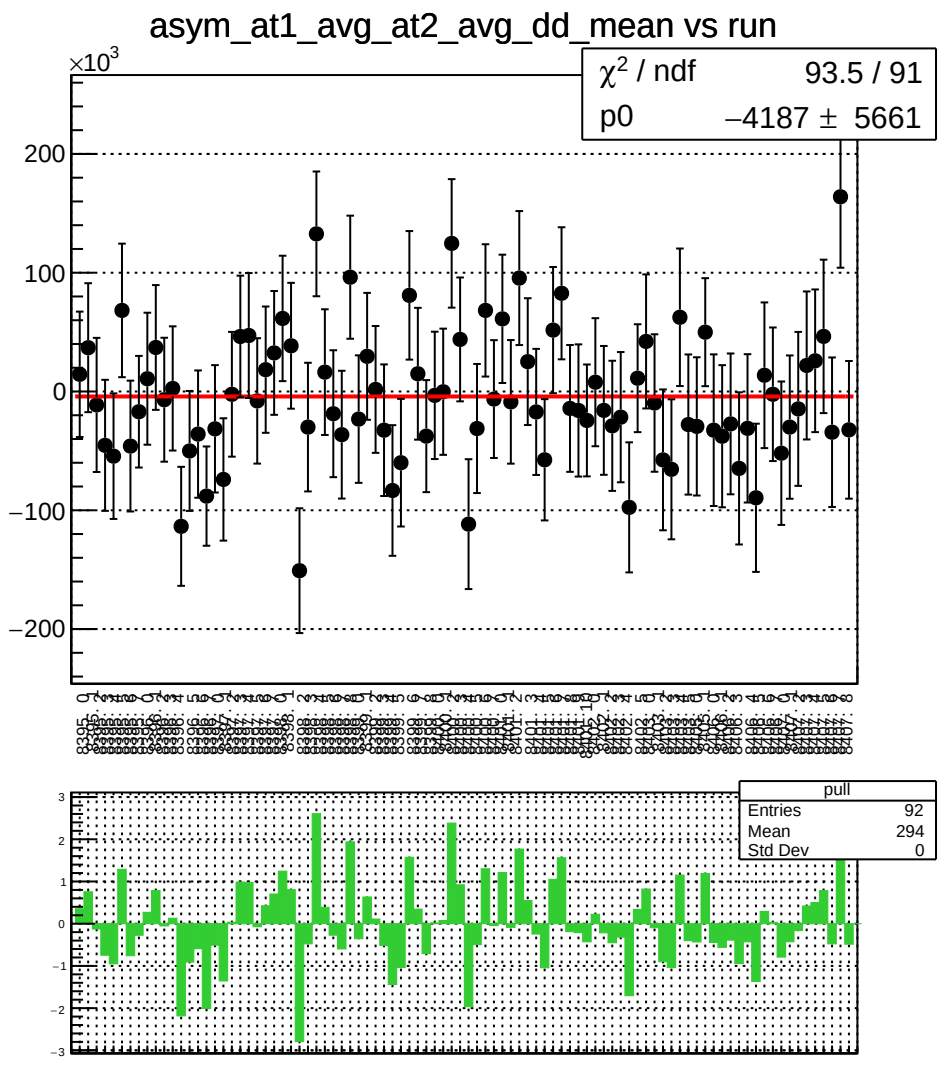

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 7697 / 91
p0 5118 ± 3.907
6200
6000
5800
5600
5400
5200
5000
4800
4600

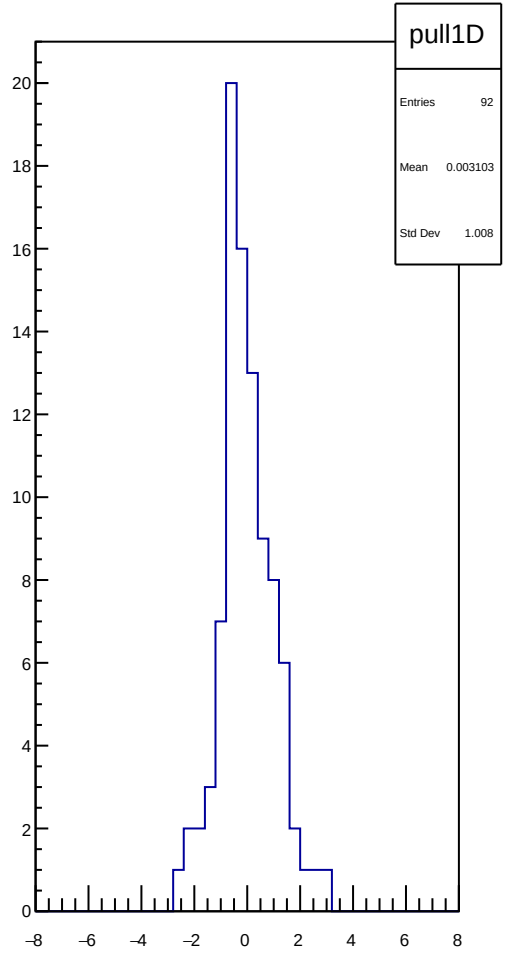

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 104.9 / 91
p0 −30.11± 1368
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006195
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

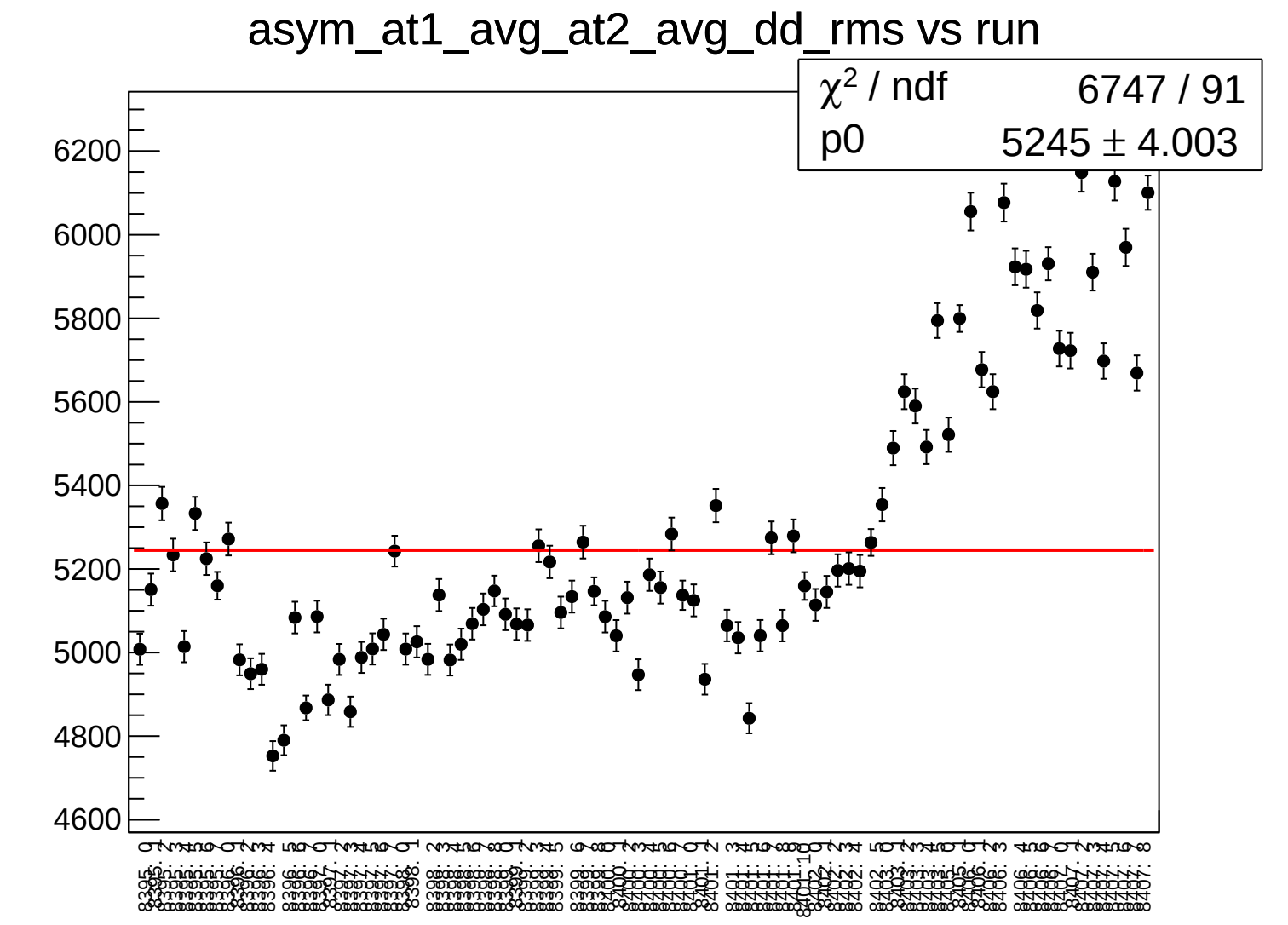

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 125.5 / 91
p0 1270 ± 0.9676
1310
1300
1290
1280
1270
1260
1250
1240
1230

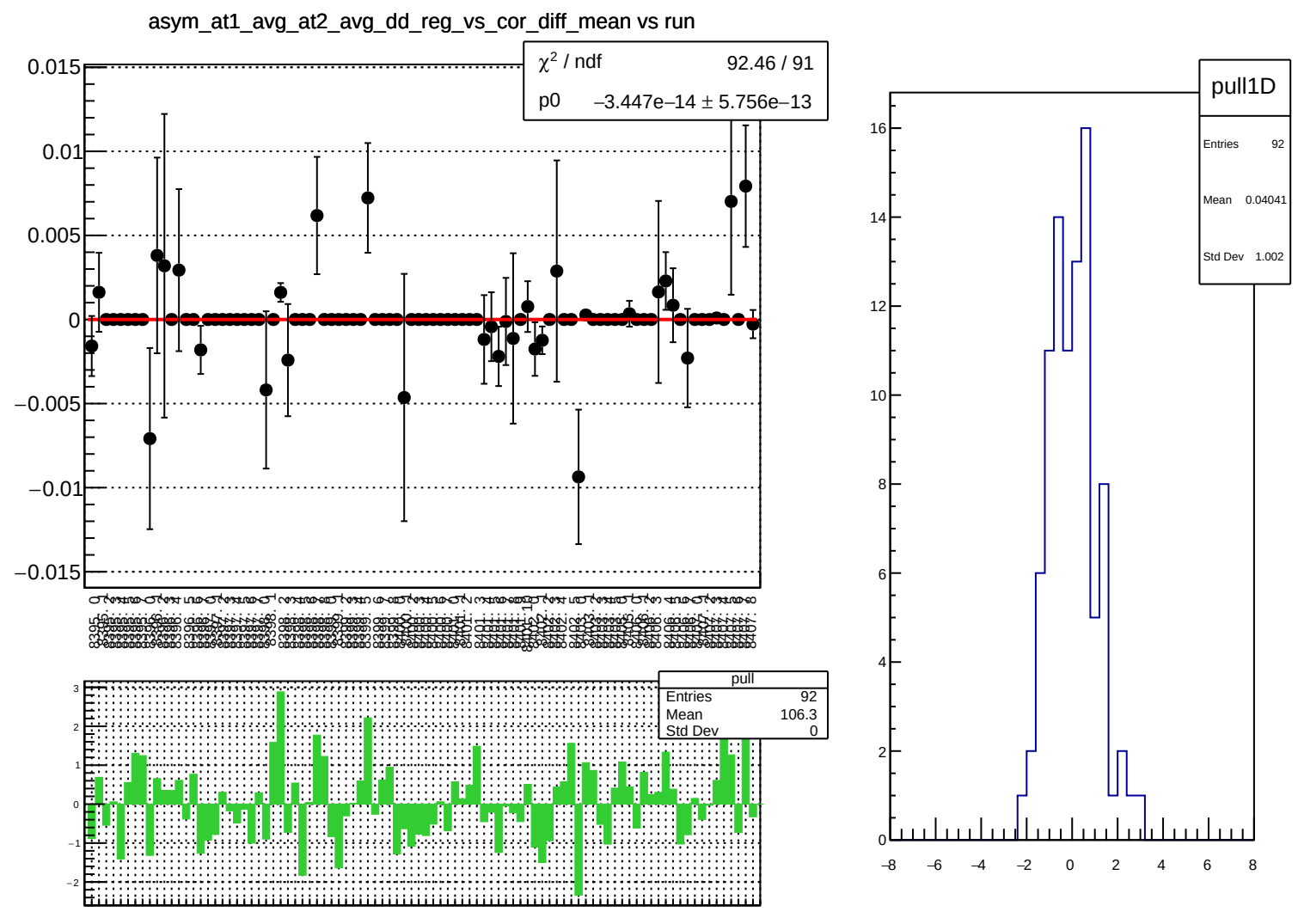

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 94.52 / 91
p0 3931 ± 5525
200
100
0
−100
−200
pull
Entries 92
Mean 271.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002807
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

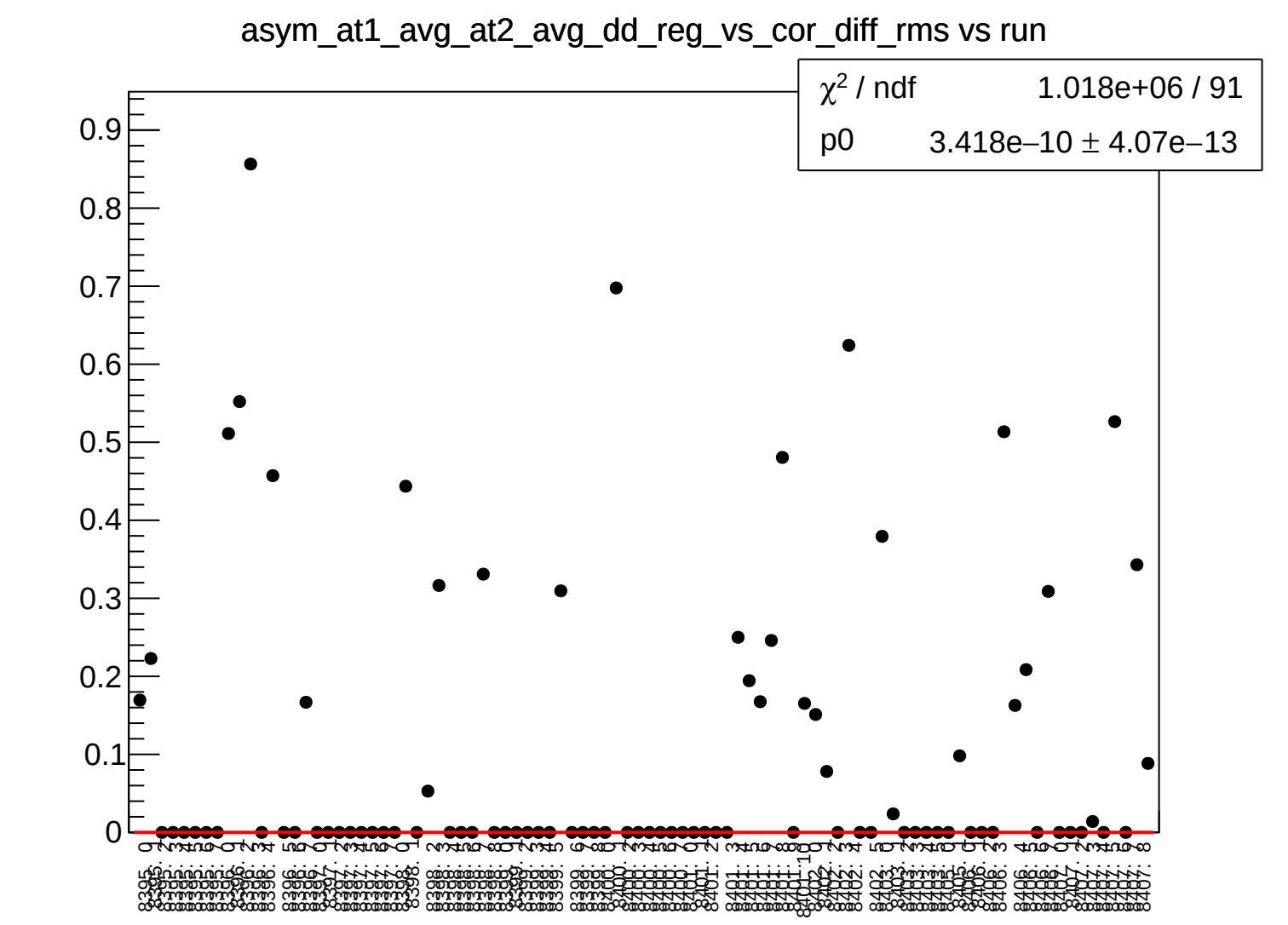

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7697 / 91
p0 5118 ± 3.907
6200
6000
5800
5600
5400
5200
5000
4800
4600

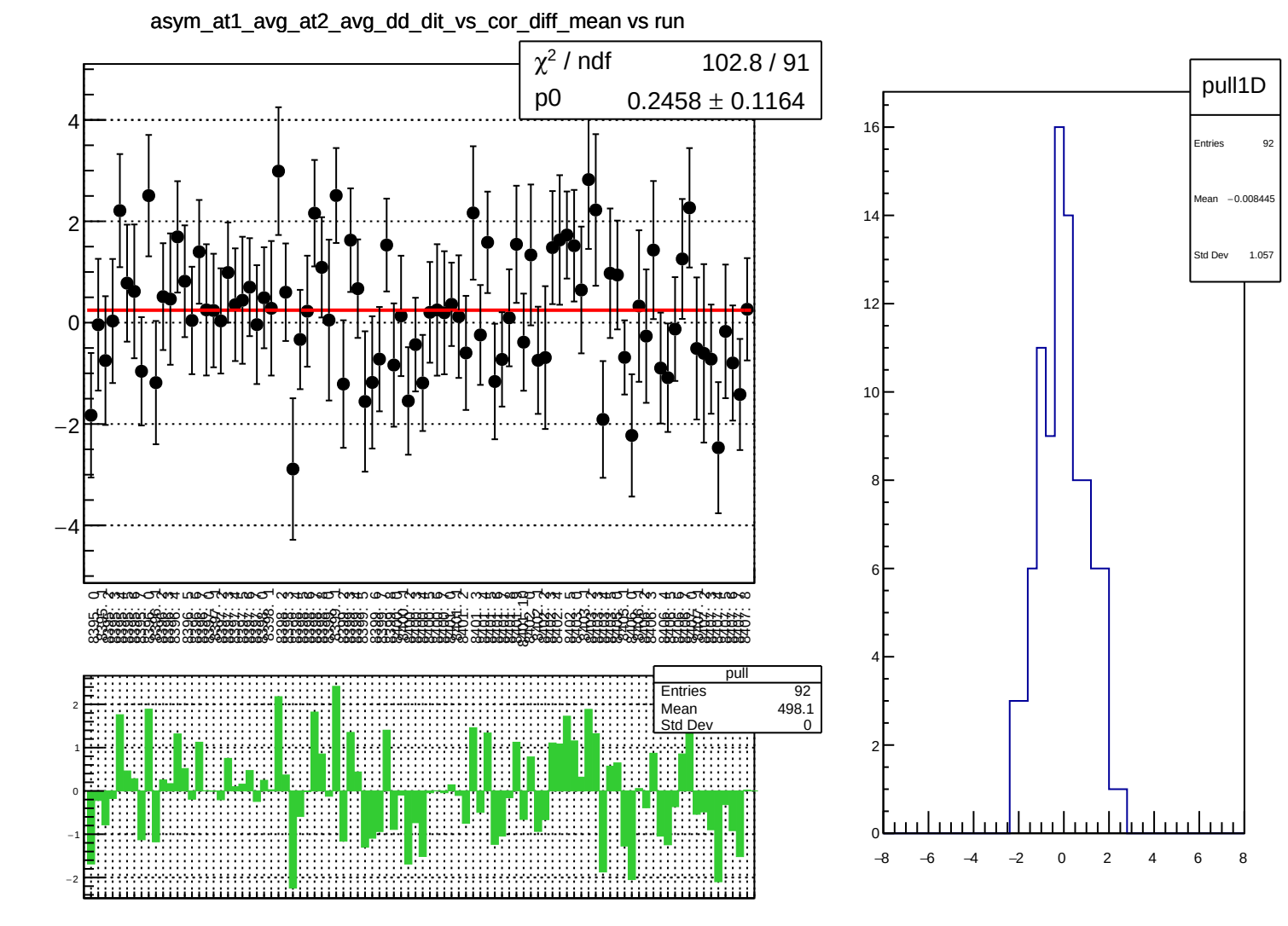

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 93.5 / 91
p0 −4187 ± 5661
200
100
0
−100
−200
pull
Entries 92
Mean 294
Std Dev 0
3
2
1
0
−1
−2
−3

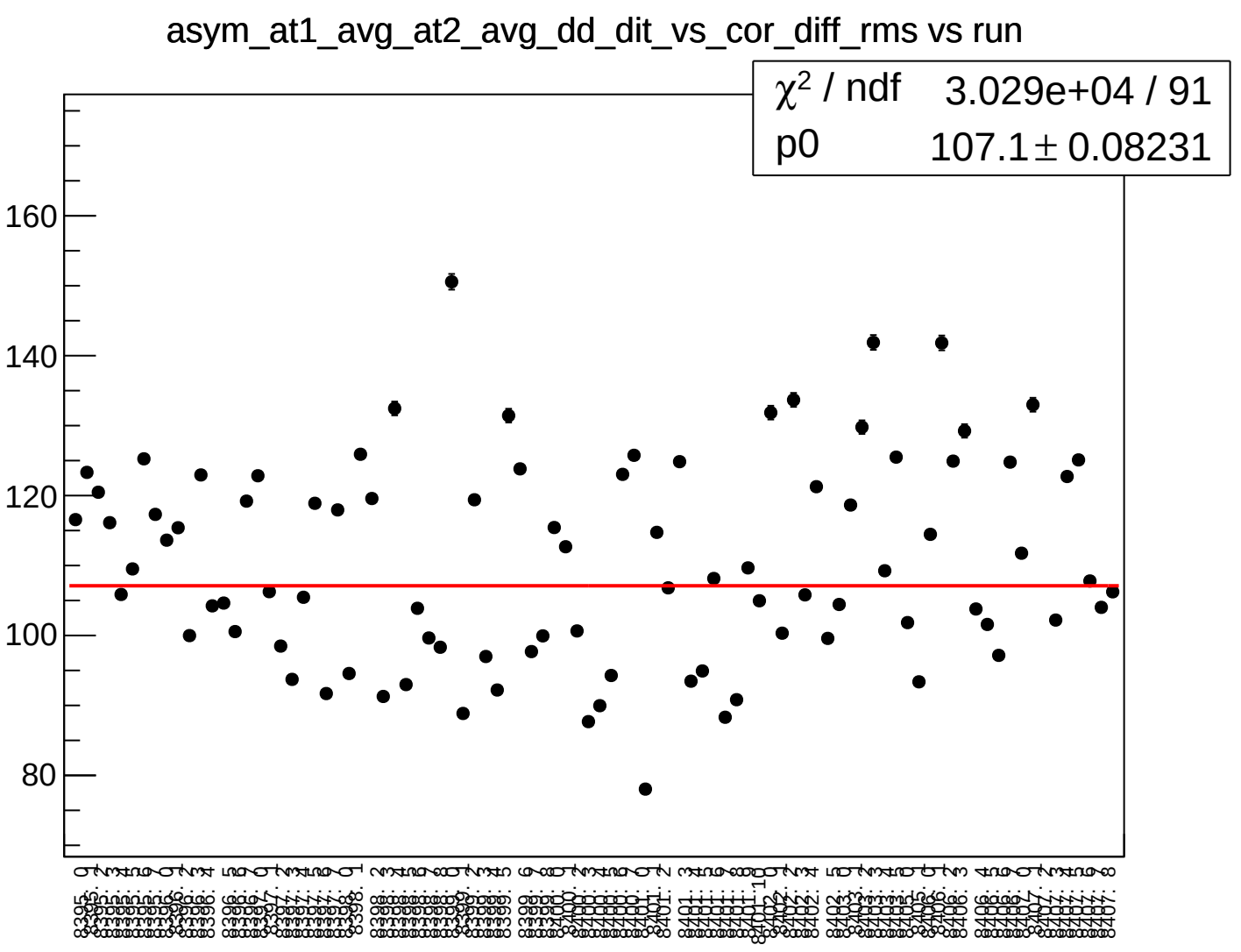

pull1D
Entries 92
Mean 0.003103
Std Dev 1.008
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

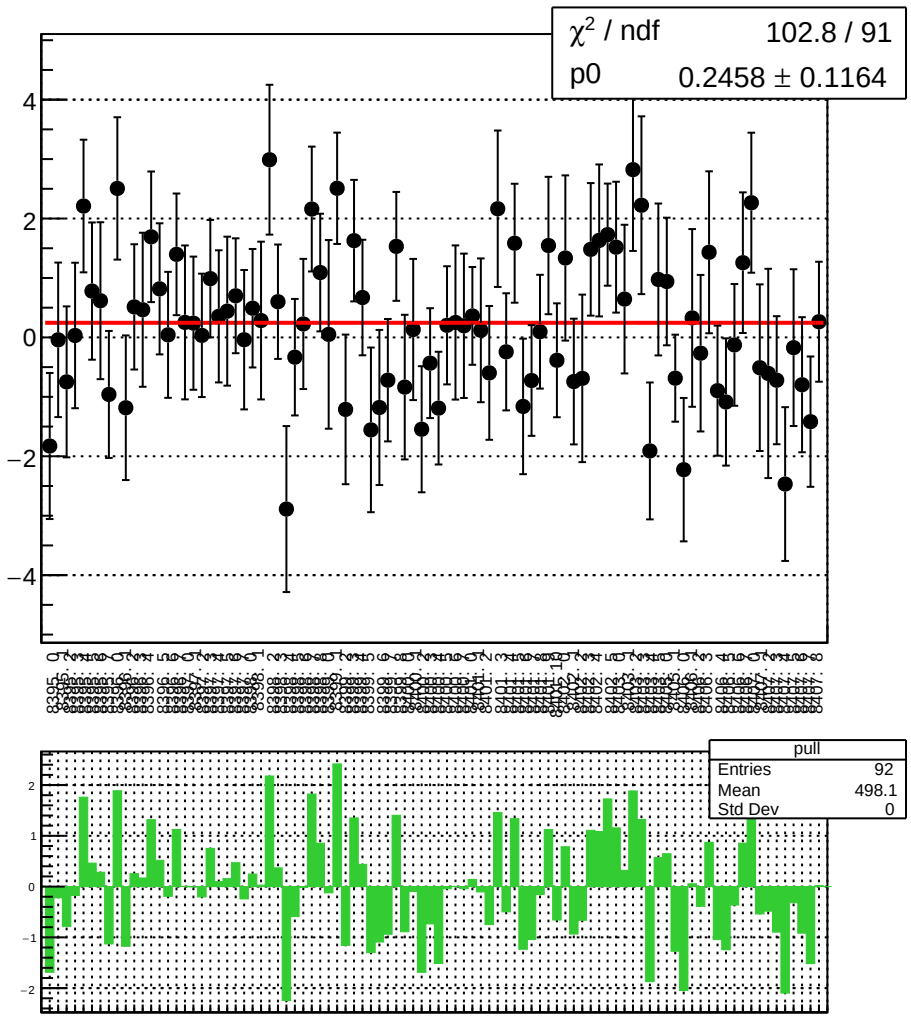

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 6747 / 91
p0 5245 ± 4.003
6200
6000
5800
5600
5400
5200
5000
4800
4600

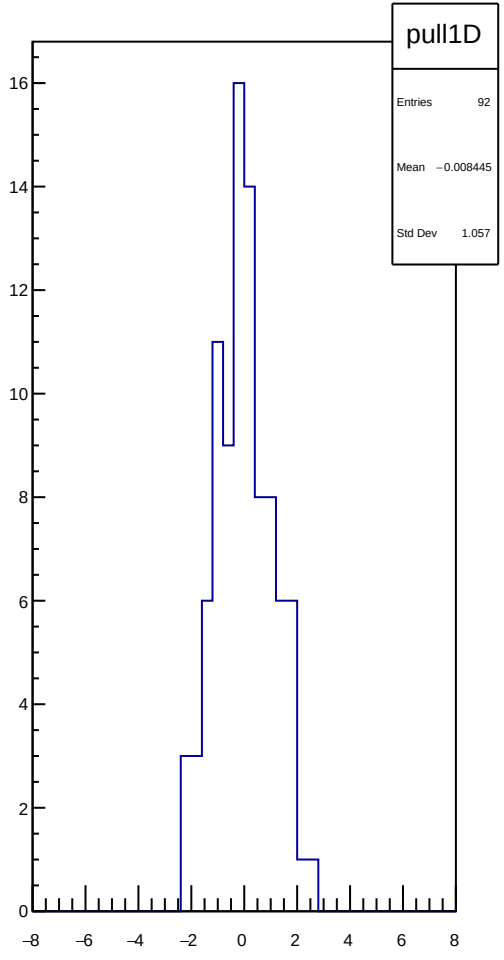

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.46 / 91
p0 −3.447e−14 ± 5.756e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 92
Mean 106.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.04041
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

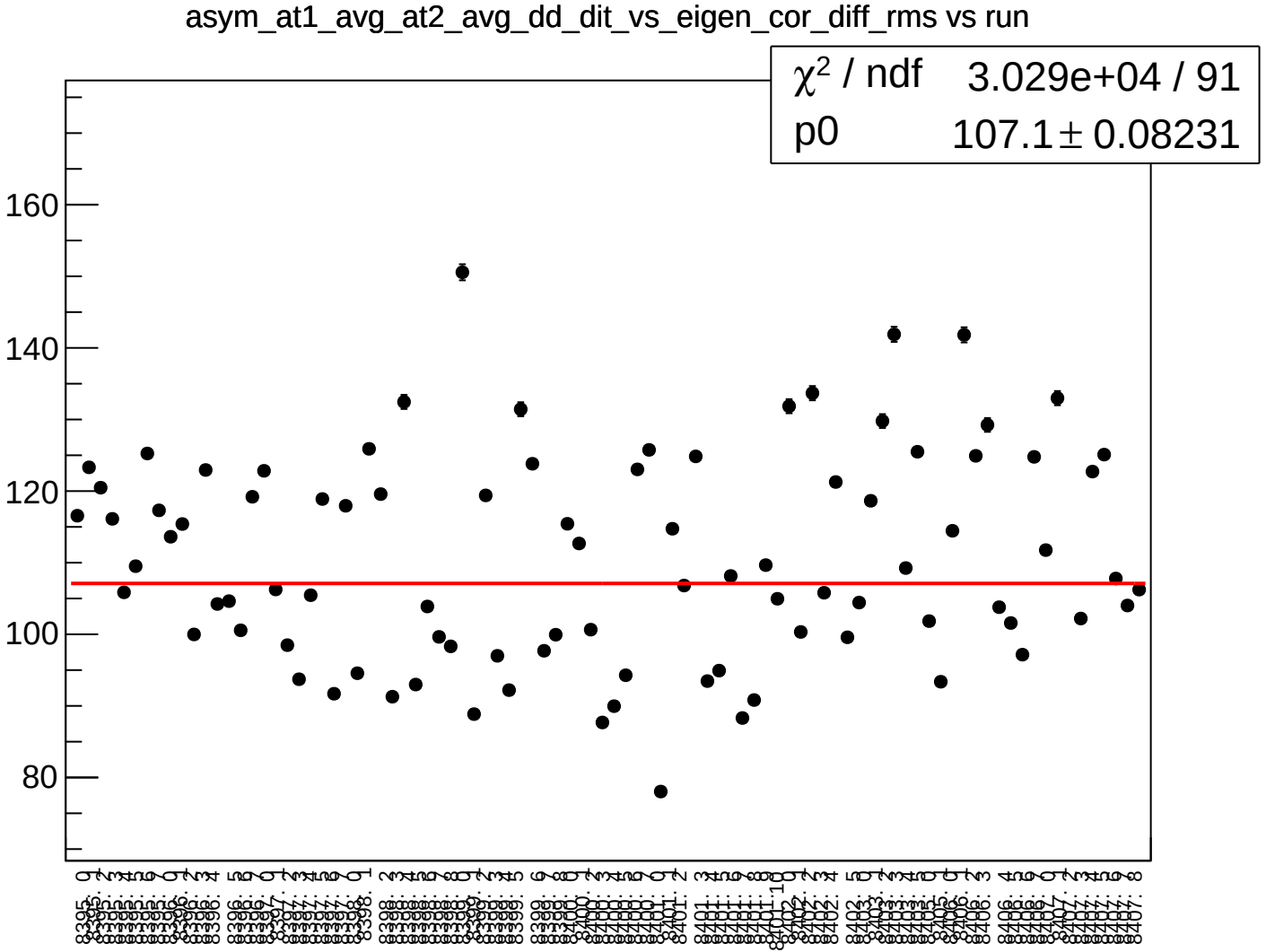

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.018e+06 / 91
p0 3.418e−10 ± 4.07e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

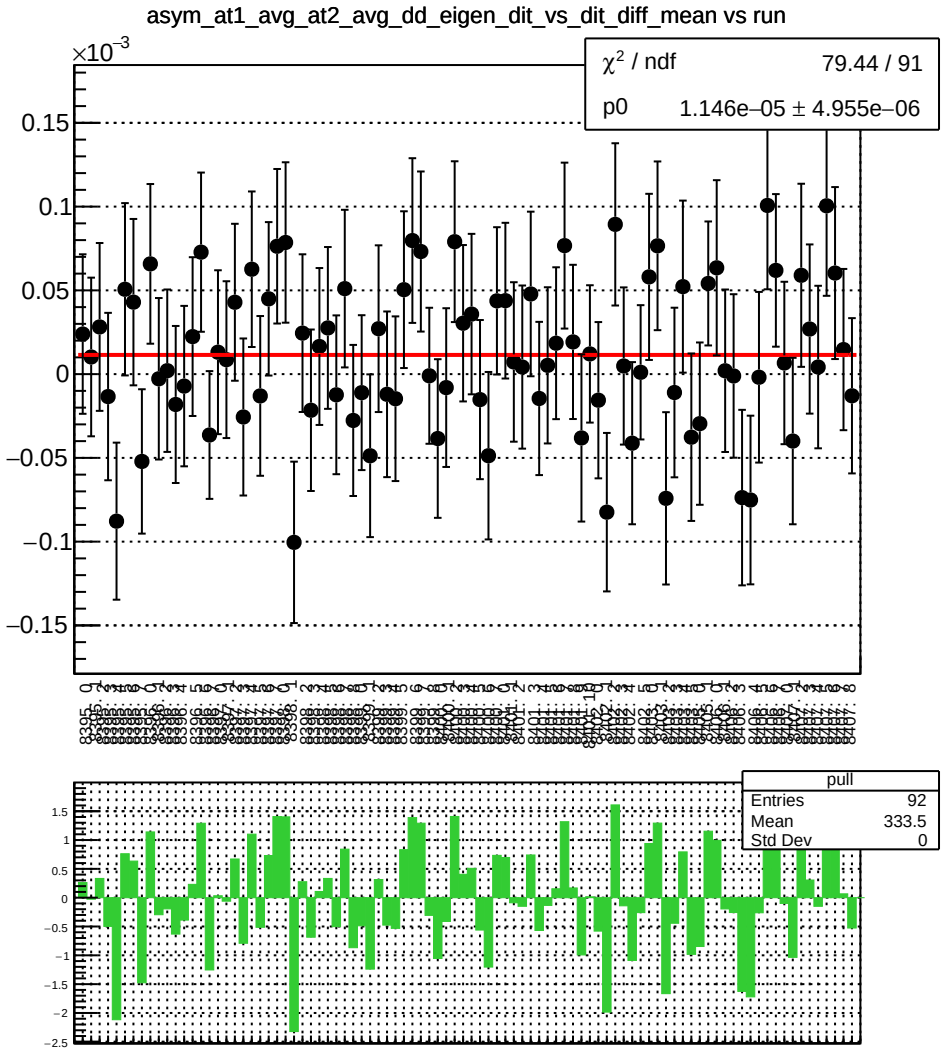

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008445
Std Dev 1.057

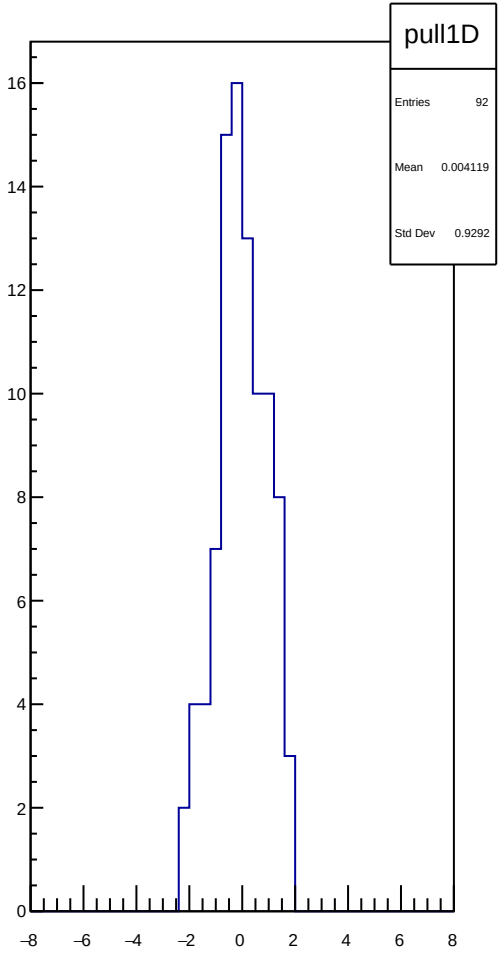

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

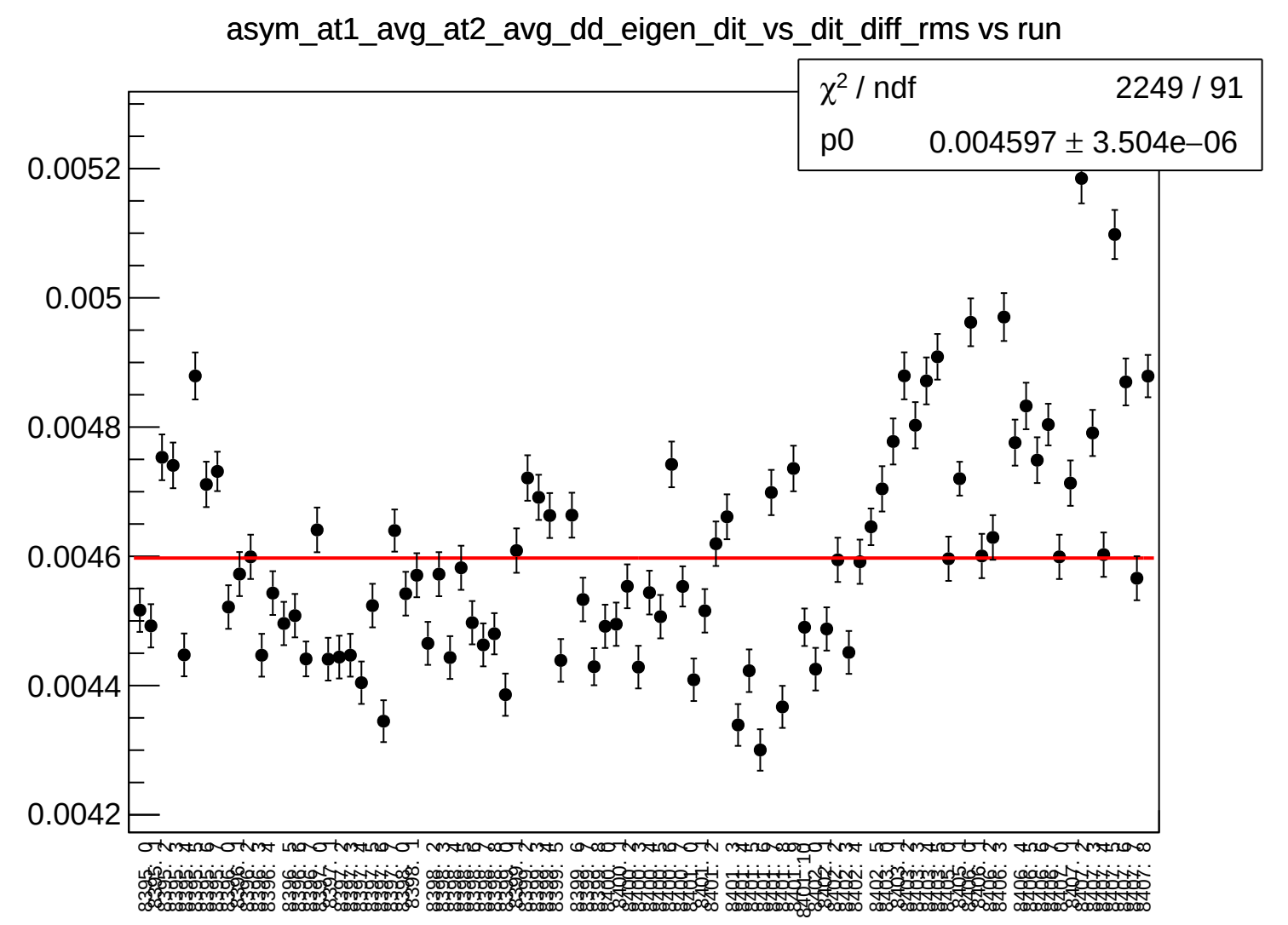

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0

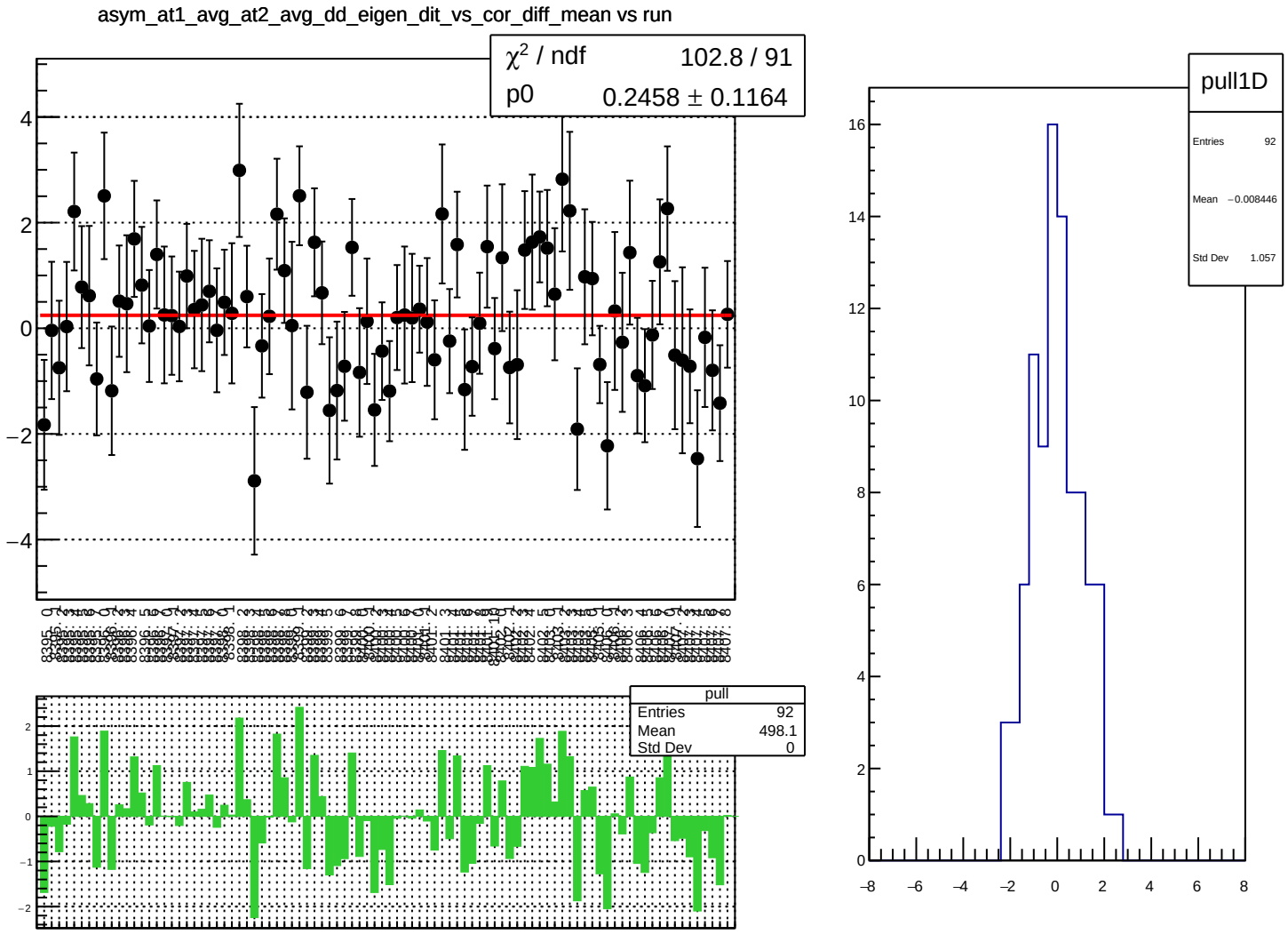

pull1D
Entries 92
Mean −0.008445
Std Dev 1.057

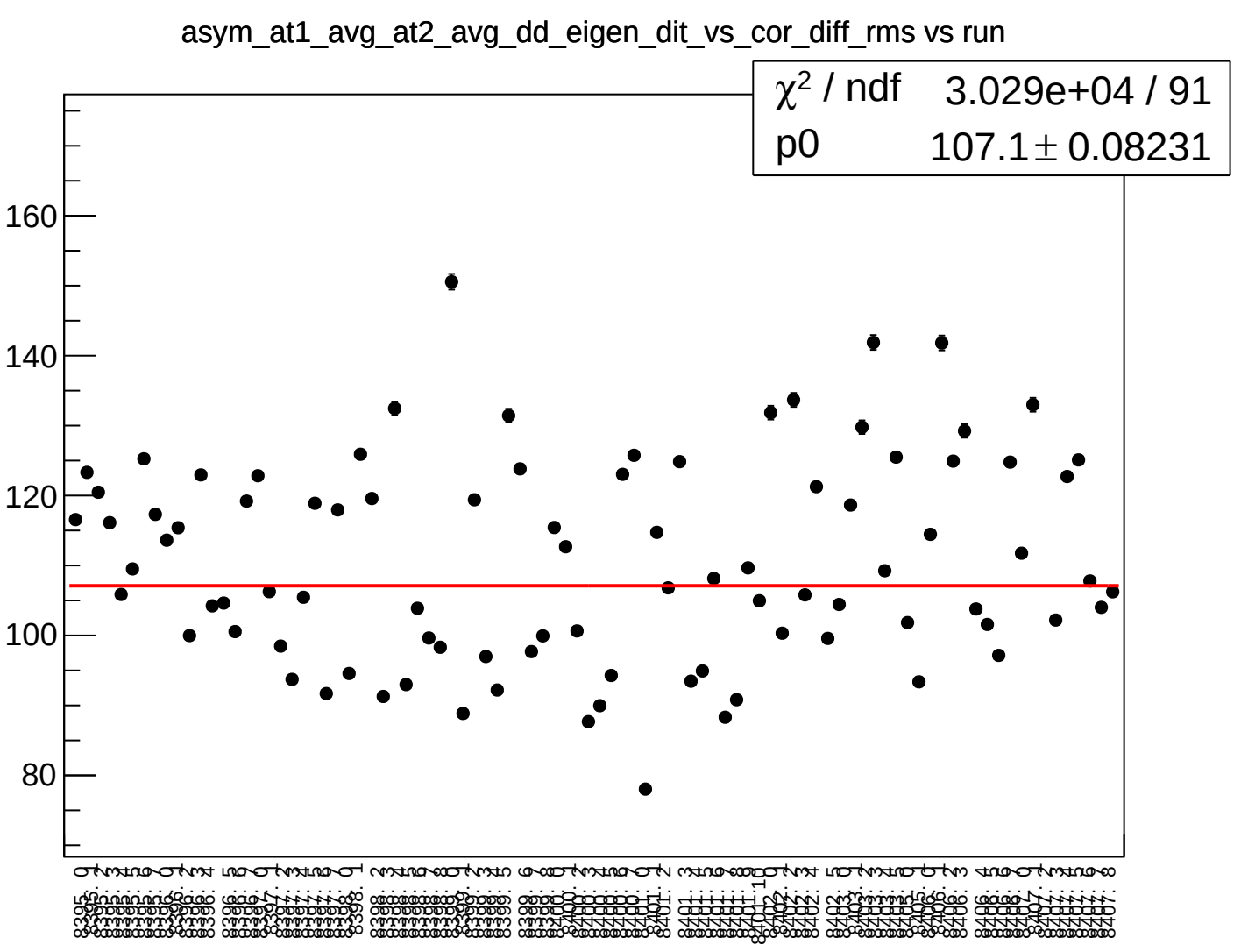

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

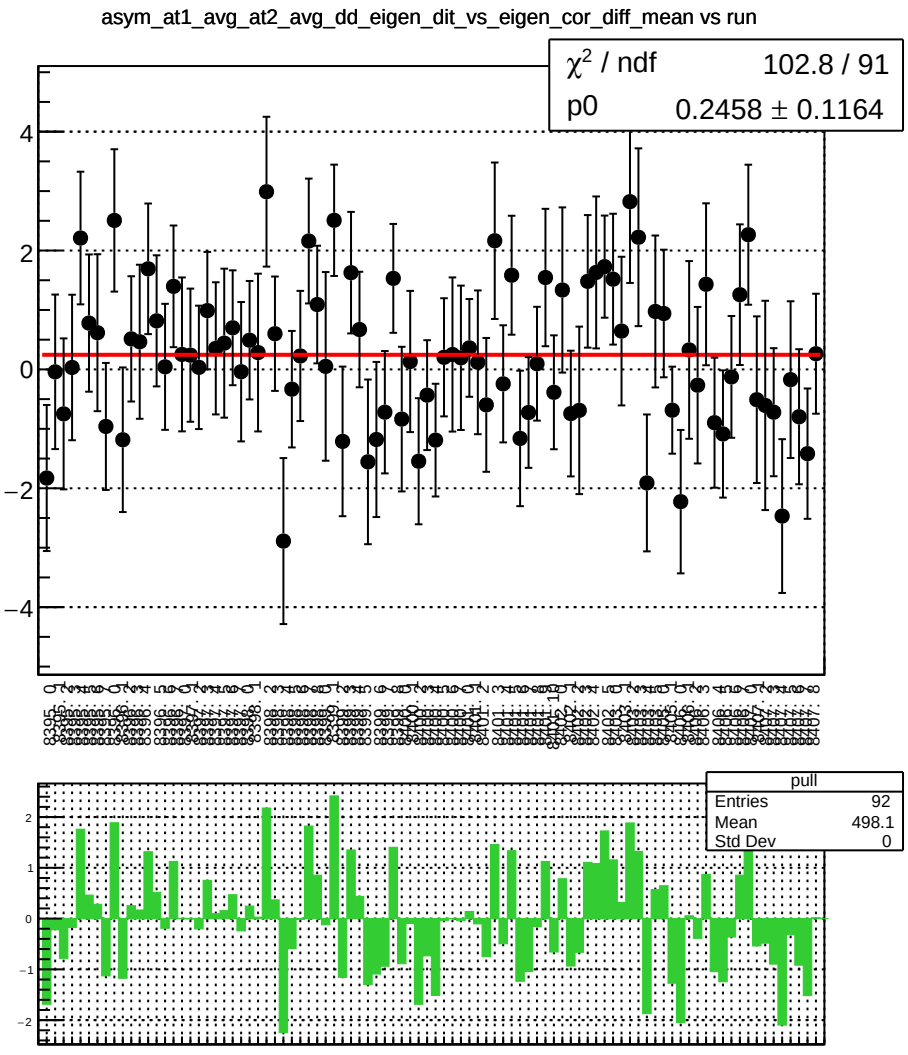

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.44 / 91
p0 1.146e−05 ± 4.955e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 333.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

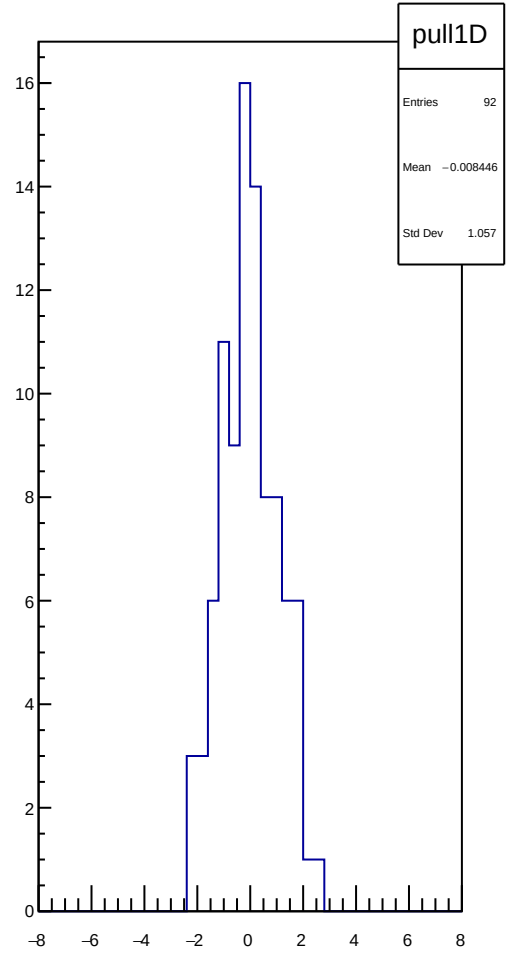

pull1D
Entries 92
Mean 0.004119
Std Dev 0.9292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

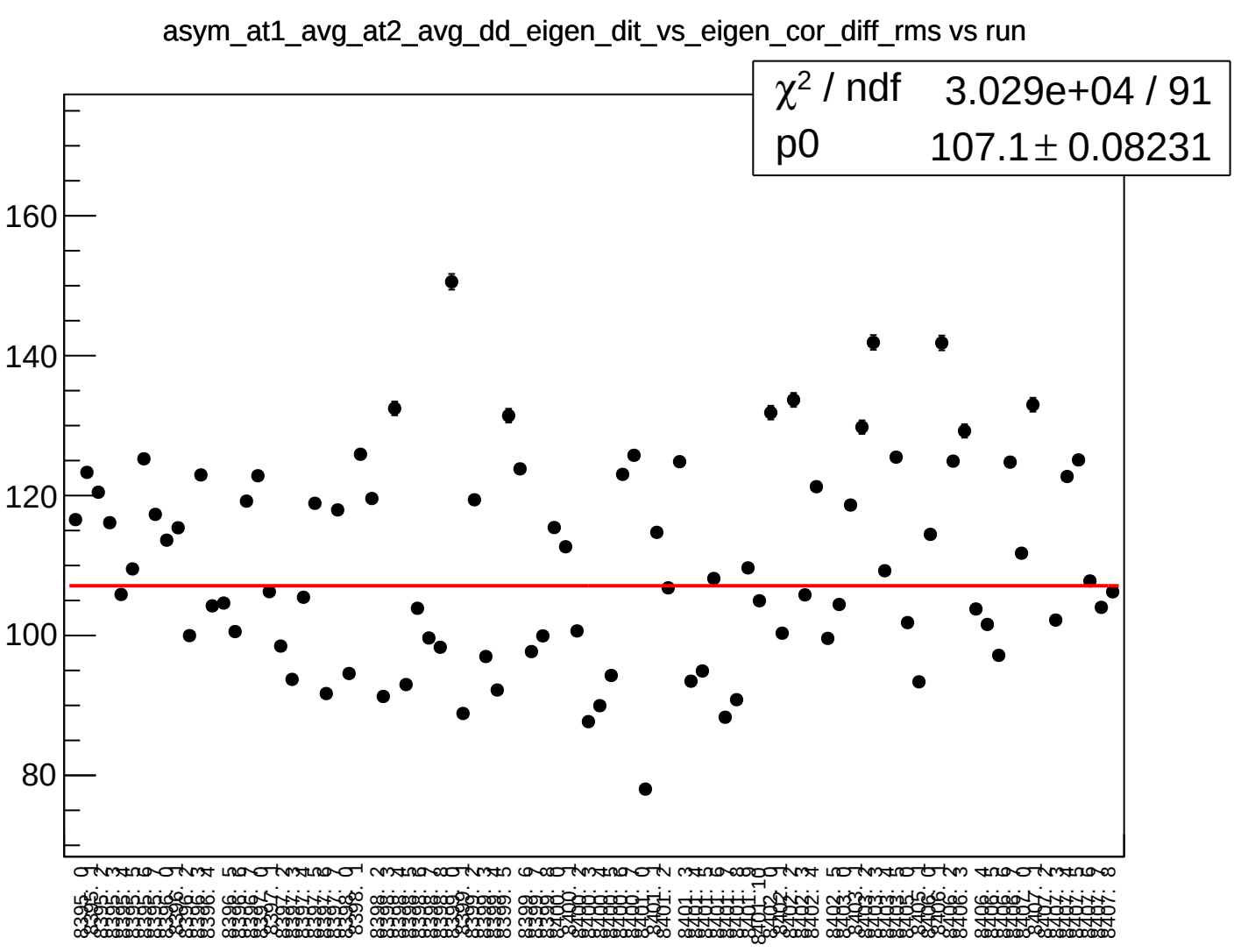

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2249 / 91
p0 0.004597 ± 3.504e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

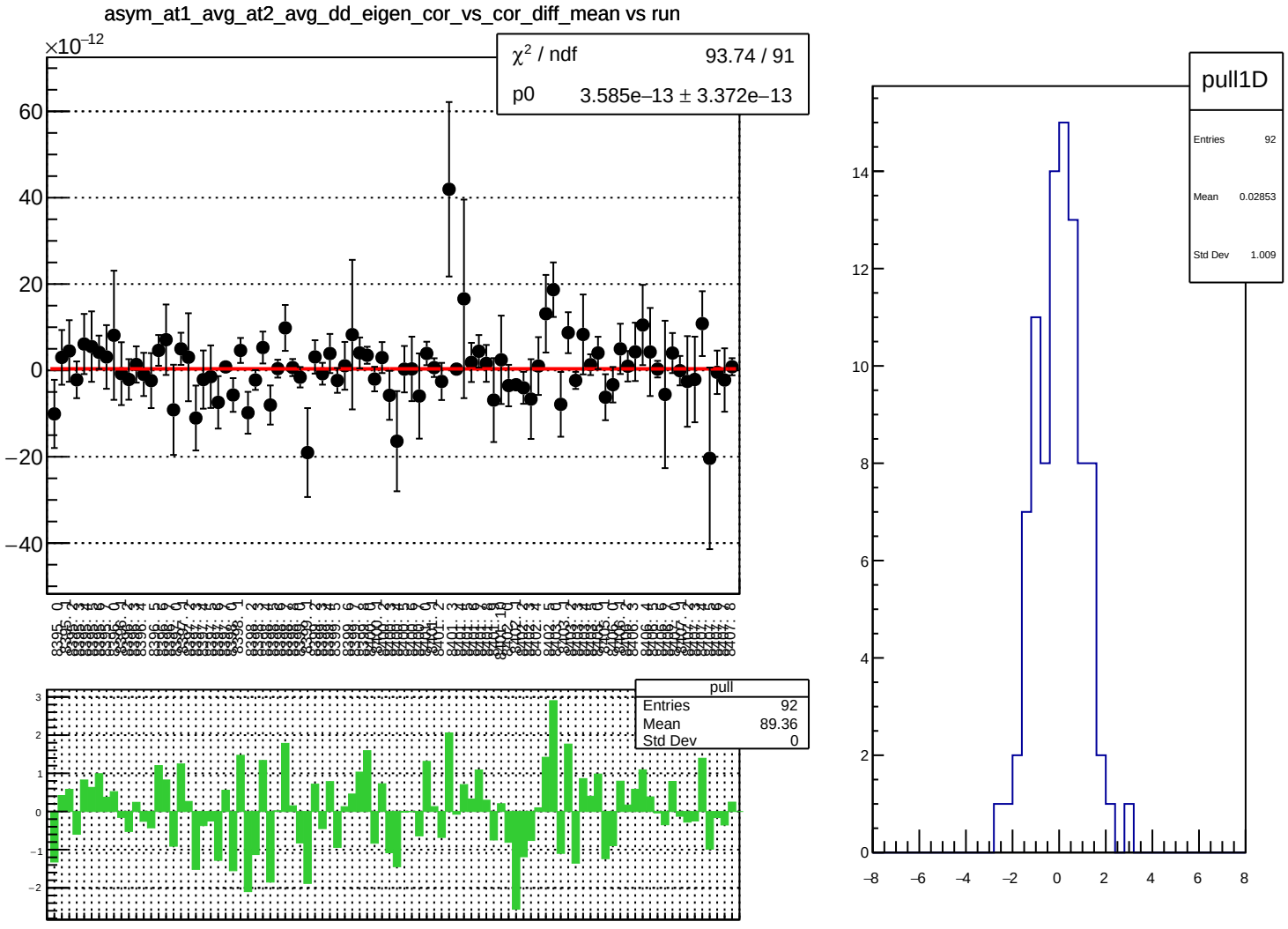

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008446
Std Dev 1.057

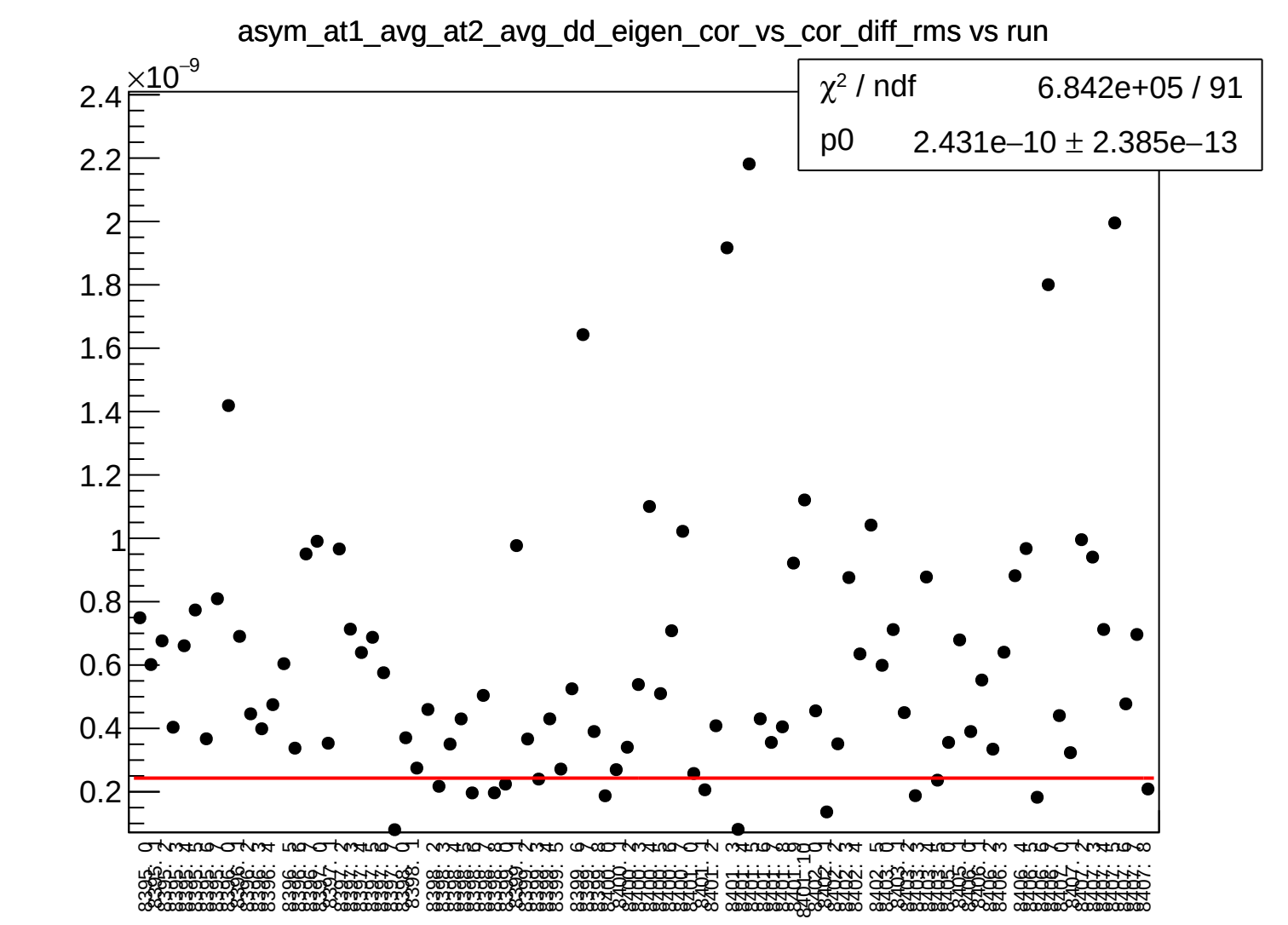

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

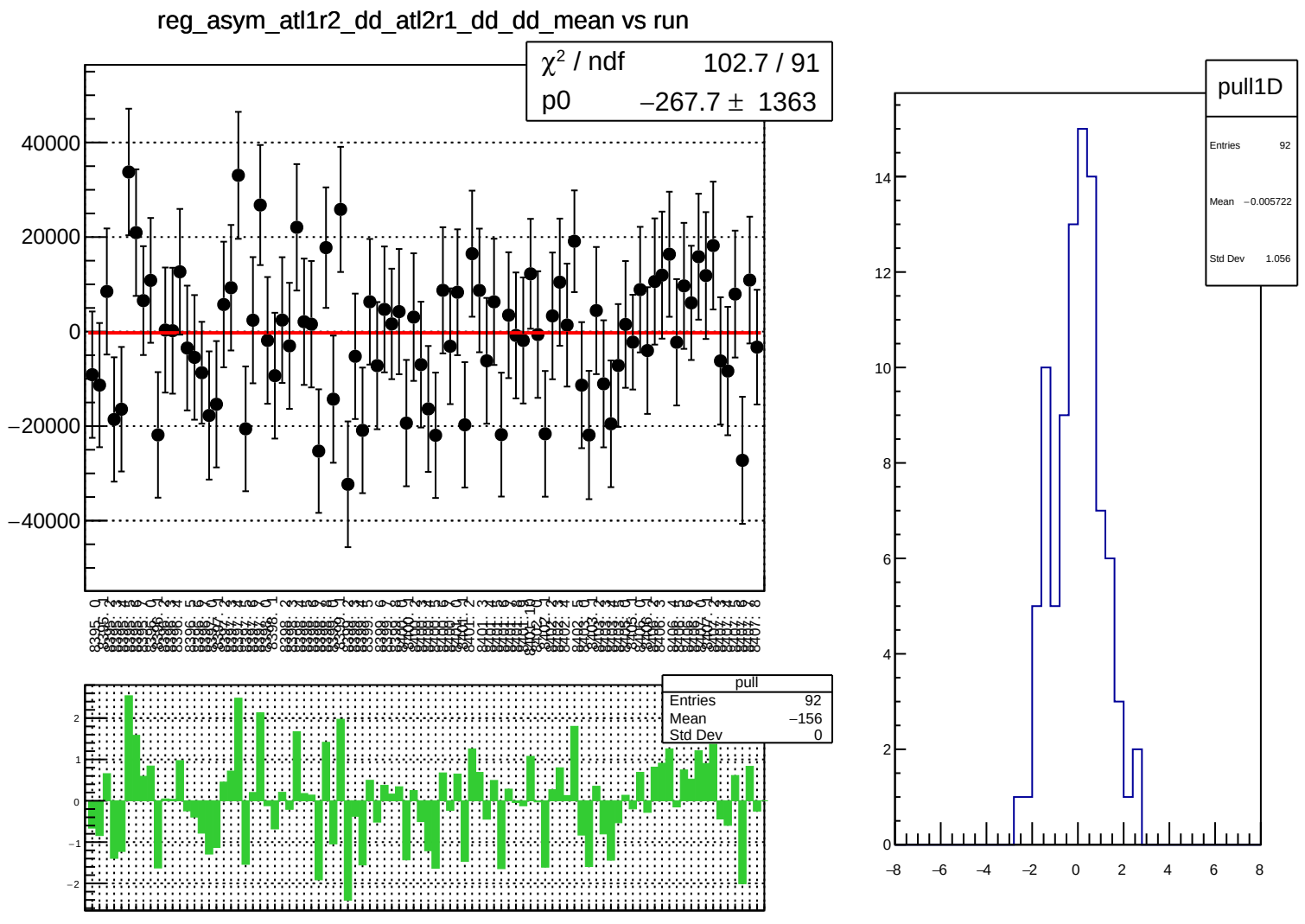

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0

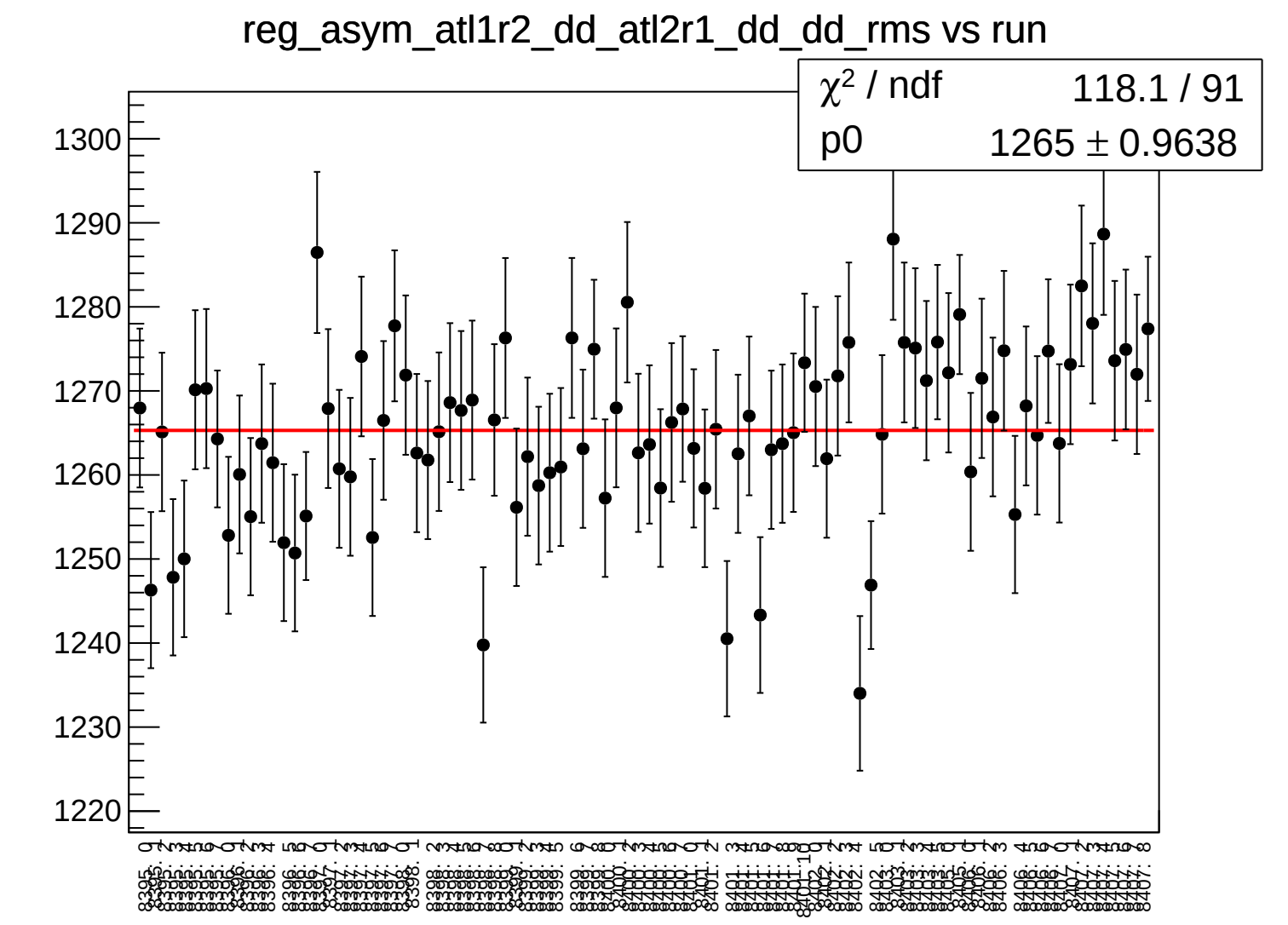

pull1D
Entries 92
Mean −0.008446
Std Dev 1.057

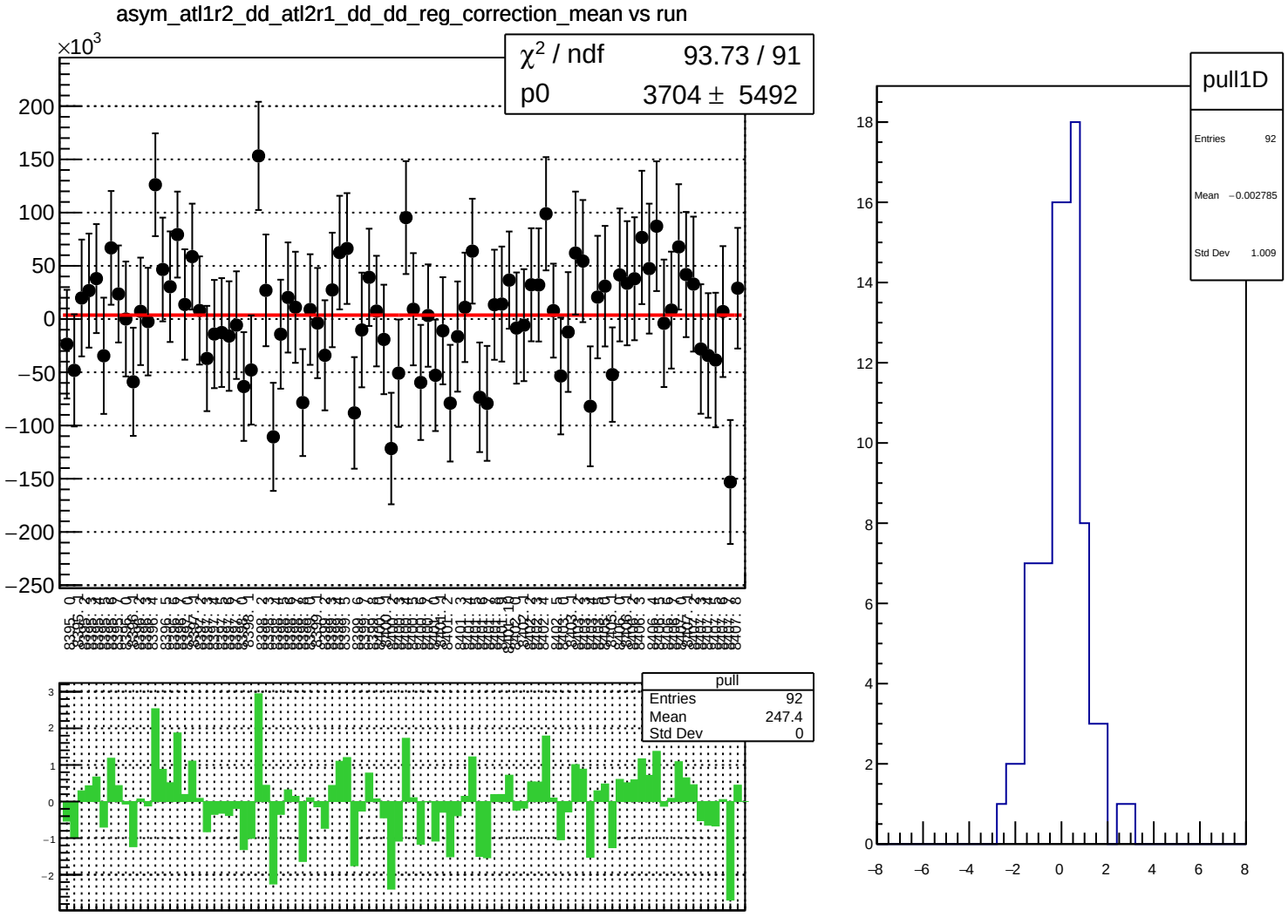

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

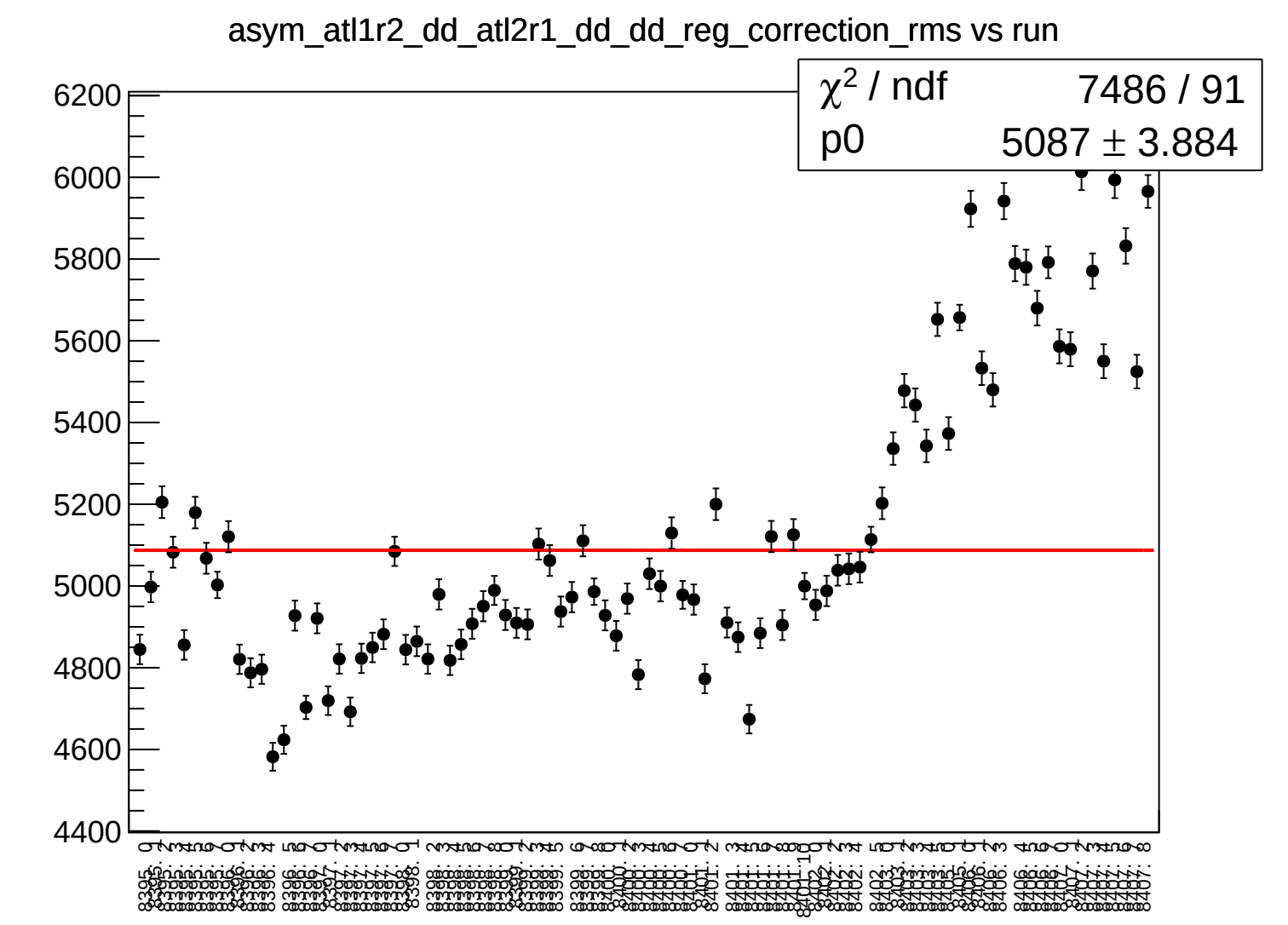

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.74 / 91
p0 3.585e−13 ± 3.372e−13
60
40
20
0
−20
−40
pull
Entries 92
Mean 89.36
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.02853
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

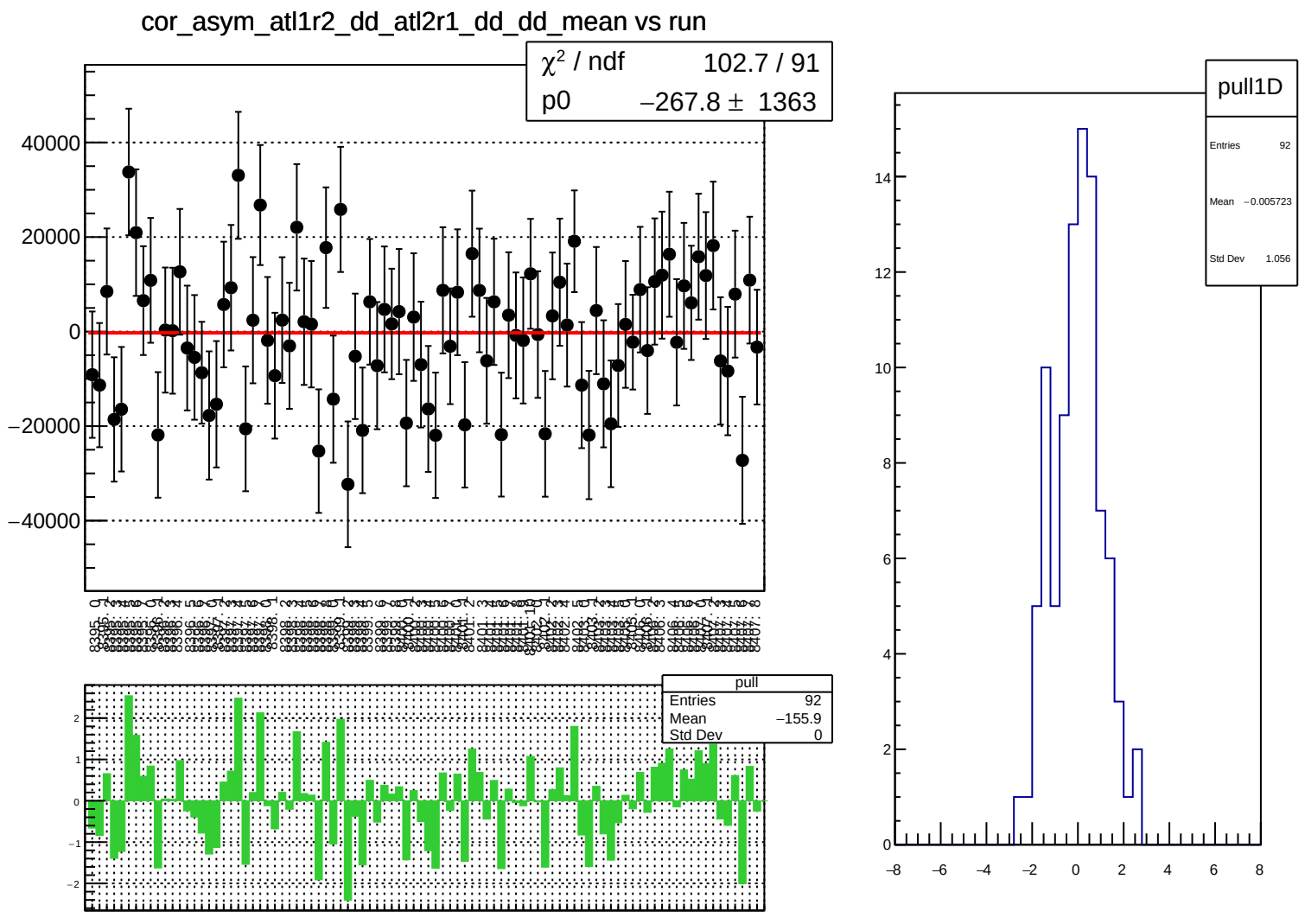

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.842e+05 / 91
p0 2.431e−10 ± 2.385e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

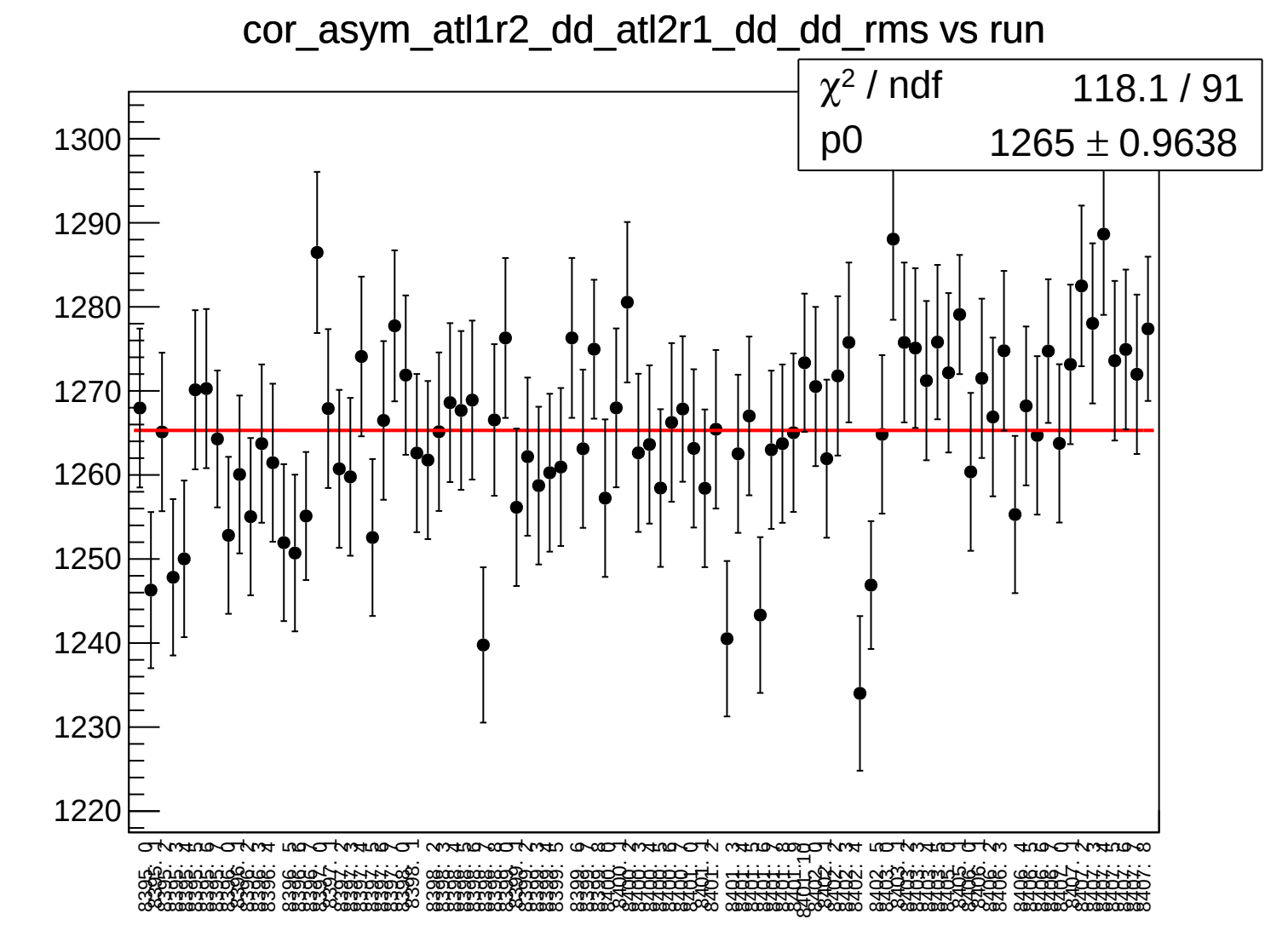

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −267.7 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −156
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.005722
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

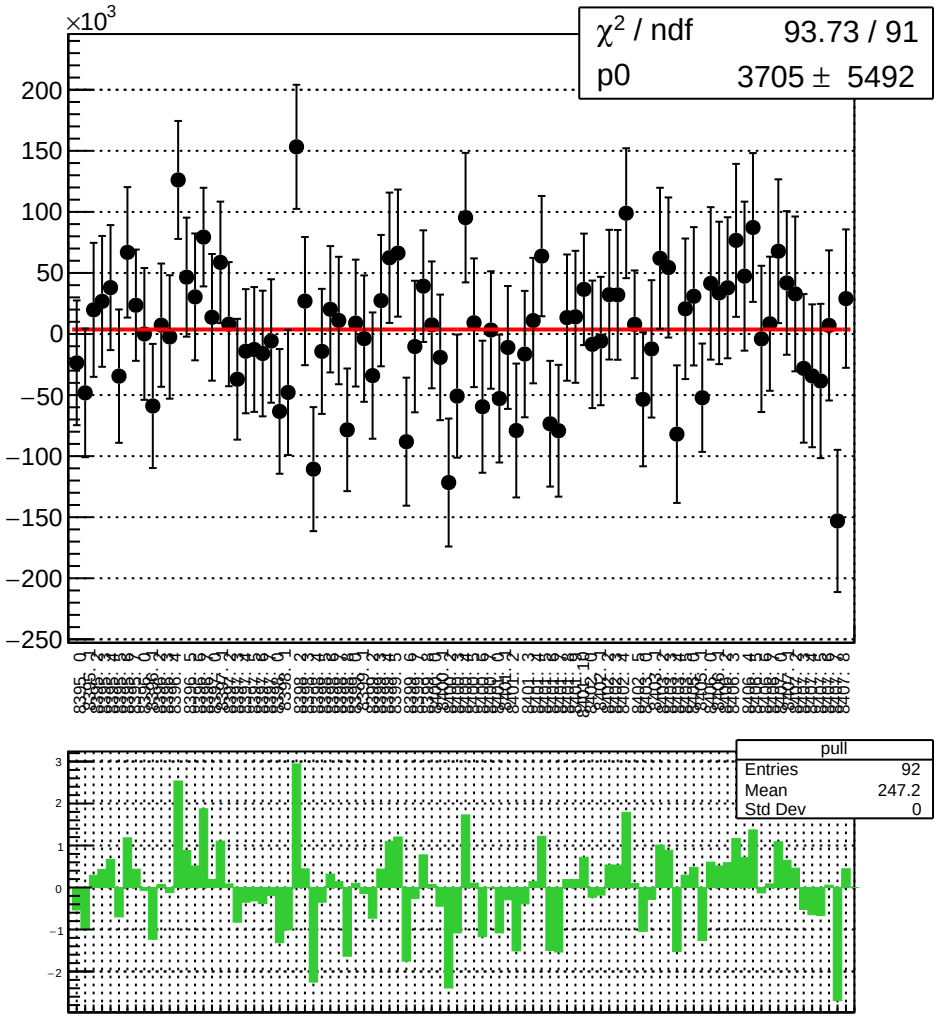

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
$\chi^2$ / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

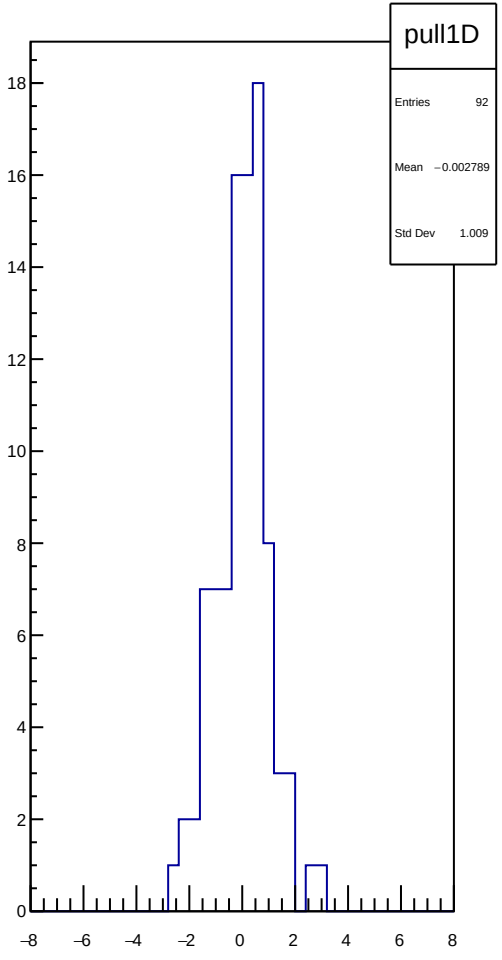

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 93.73 / 91
p0 3704 ± 5492
pull
Entries 92
Mean 247.4
Std Dev 0
pull1D
Entries 92
Mean −0.002785
Std Dev 1.009

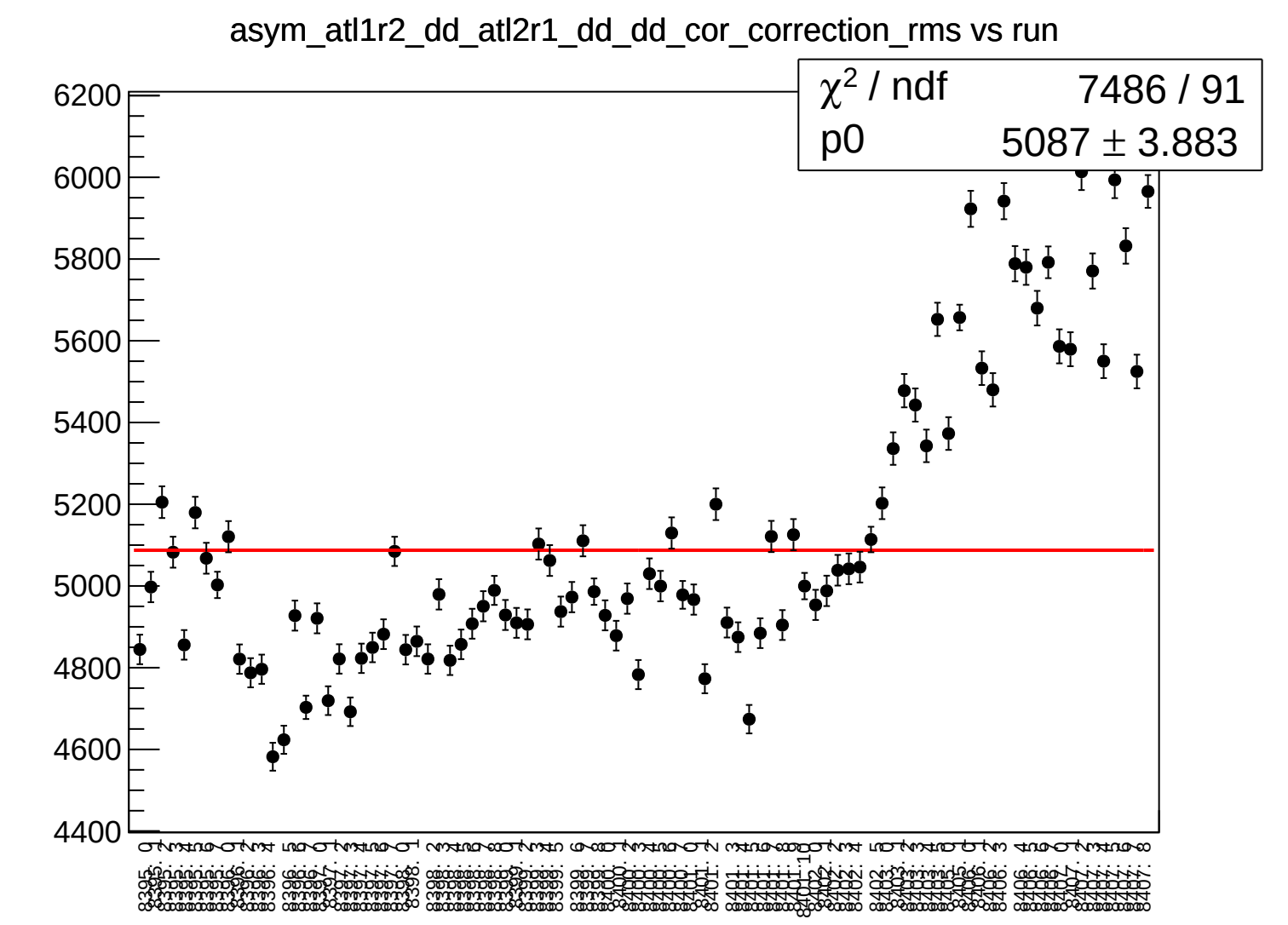

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.884
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

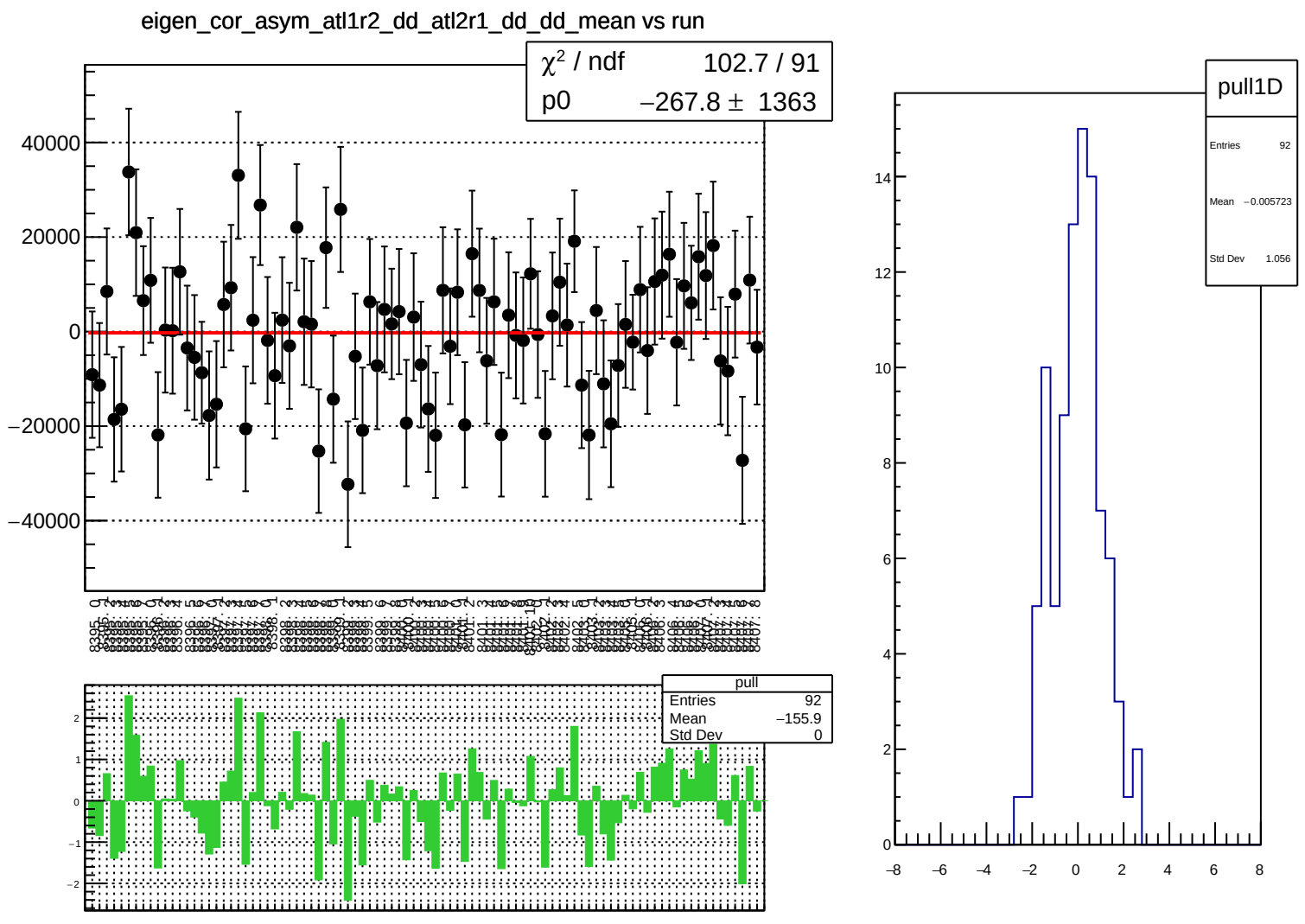

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −267.8 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −155.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.005723
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

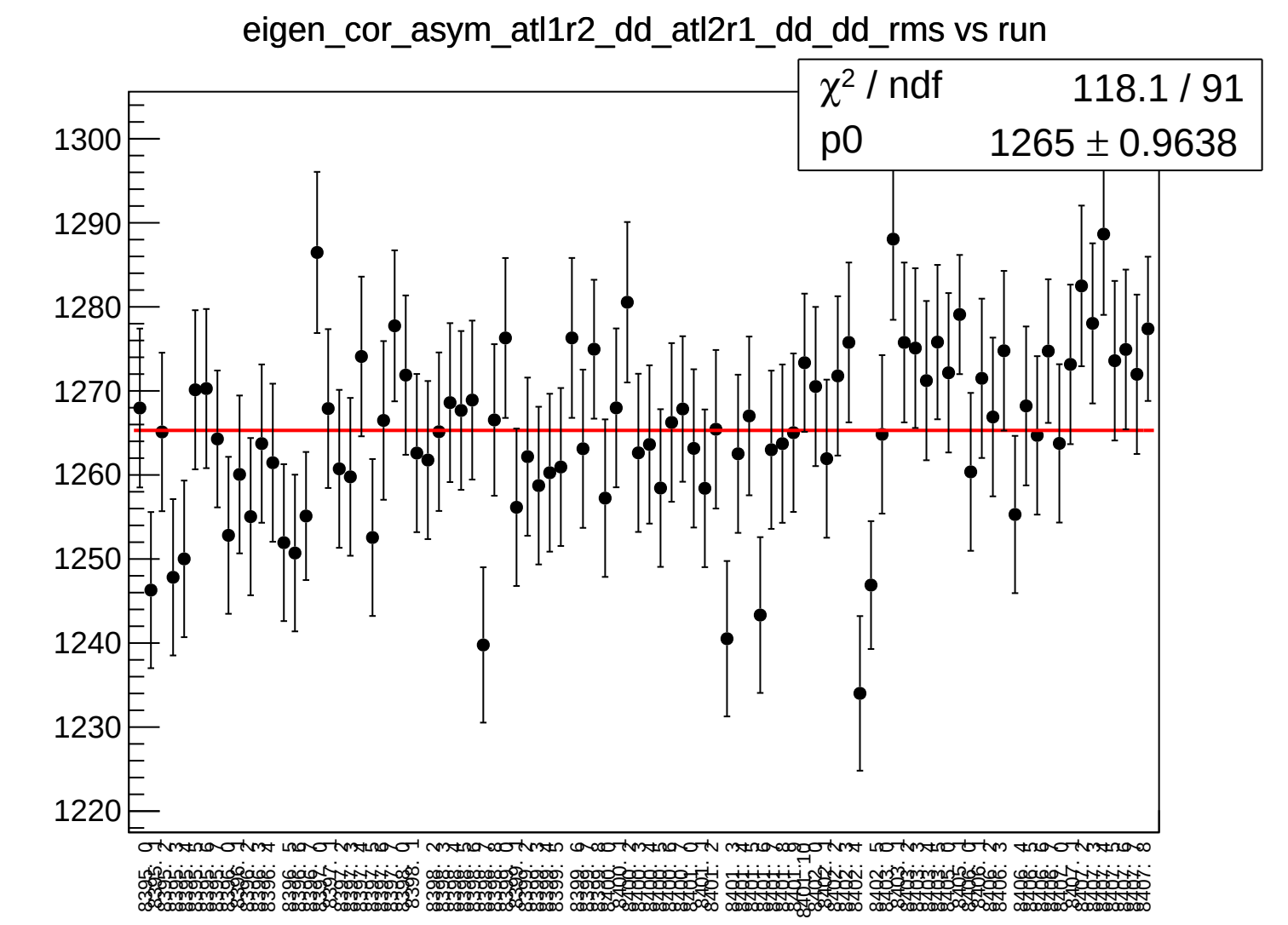

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

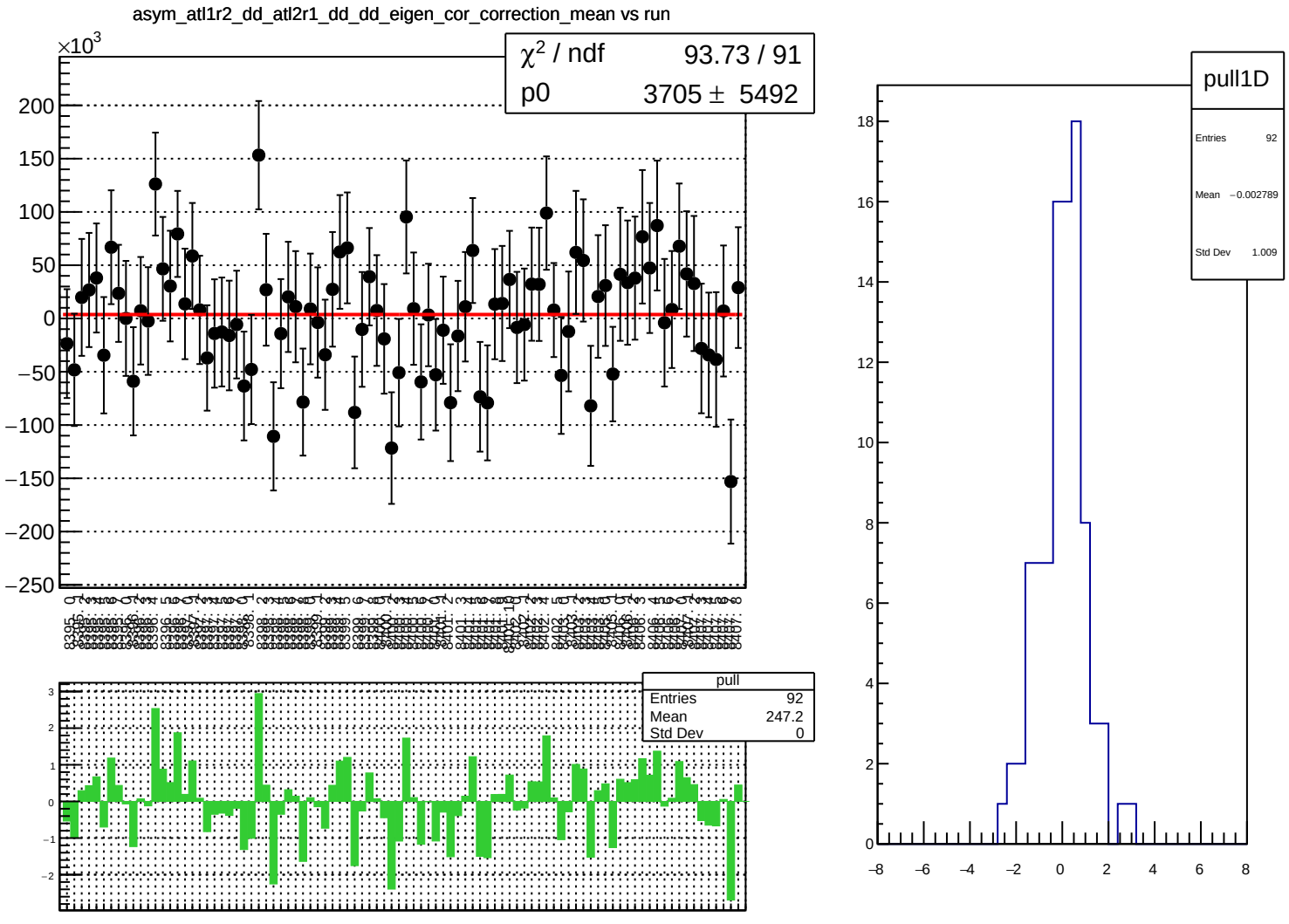

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
χ² / ndf 93.73 / 91
p0 3705 ± 5492
pull
Entries 92
Mean 247.2
Std Dev 0

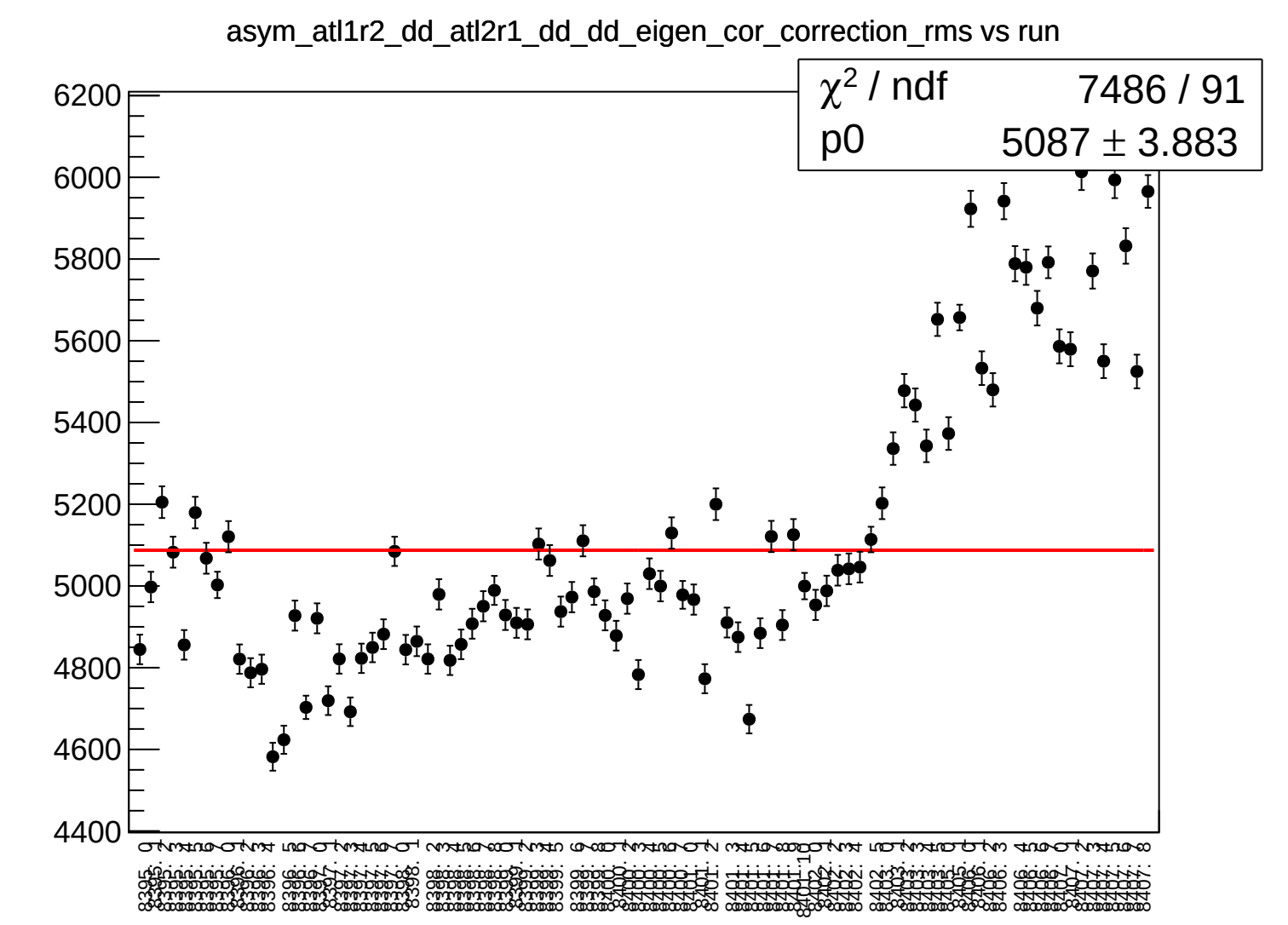

pull1D
Entries 92
Mean −0.002789
Std Dev 1.009

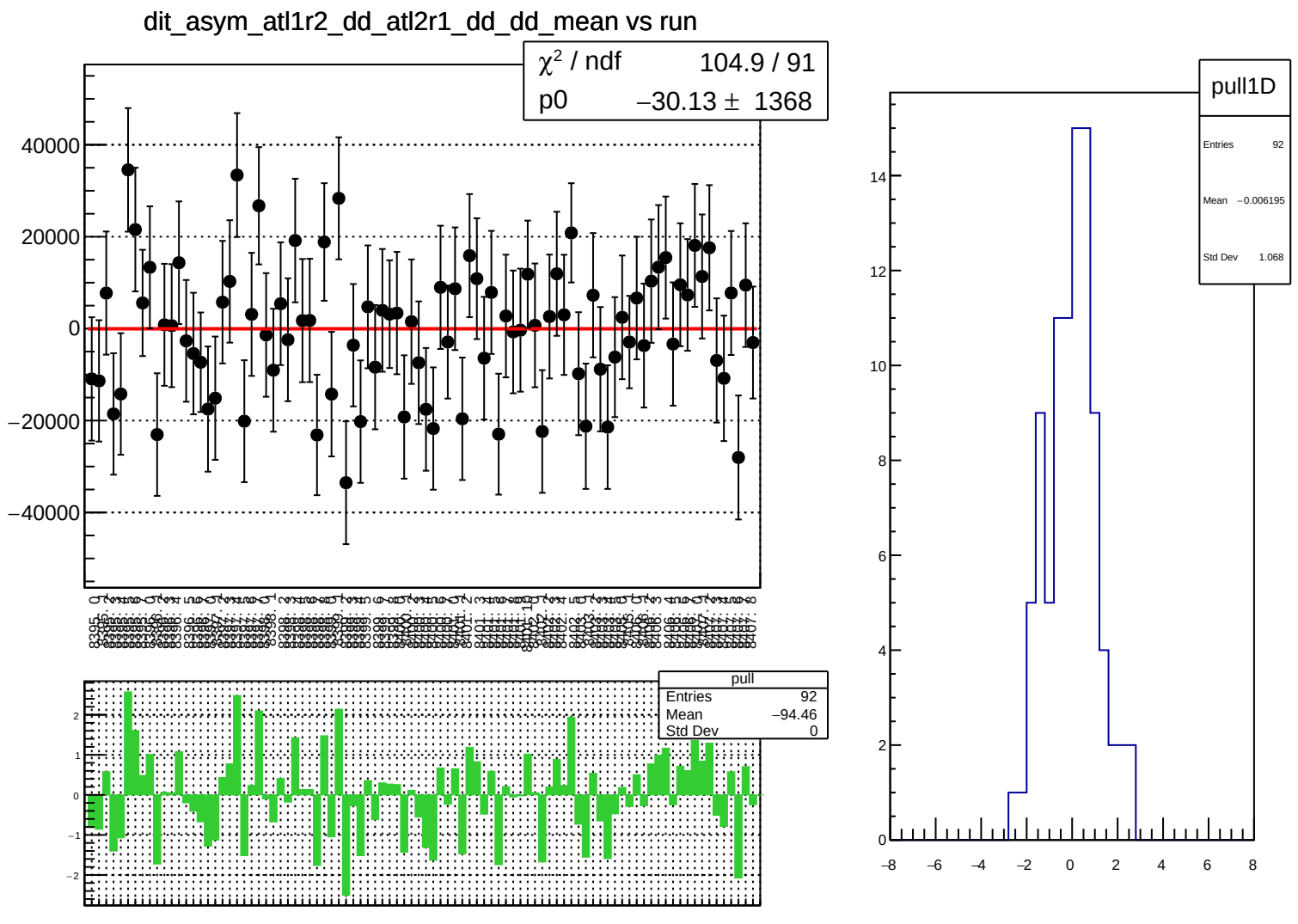

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.883
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

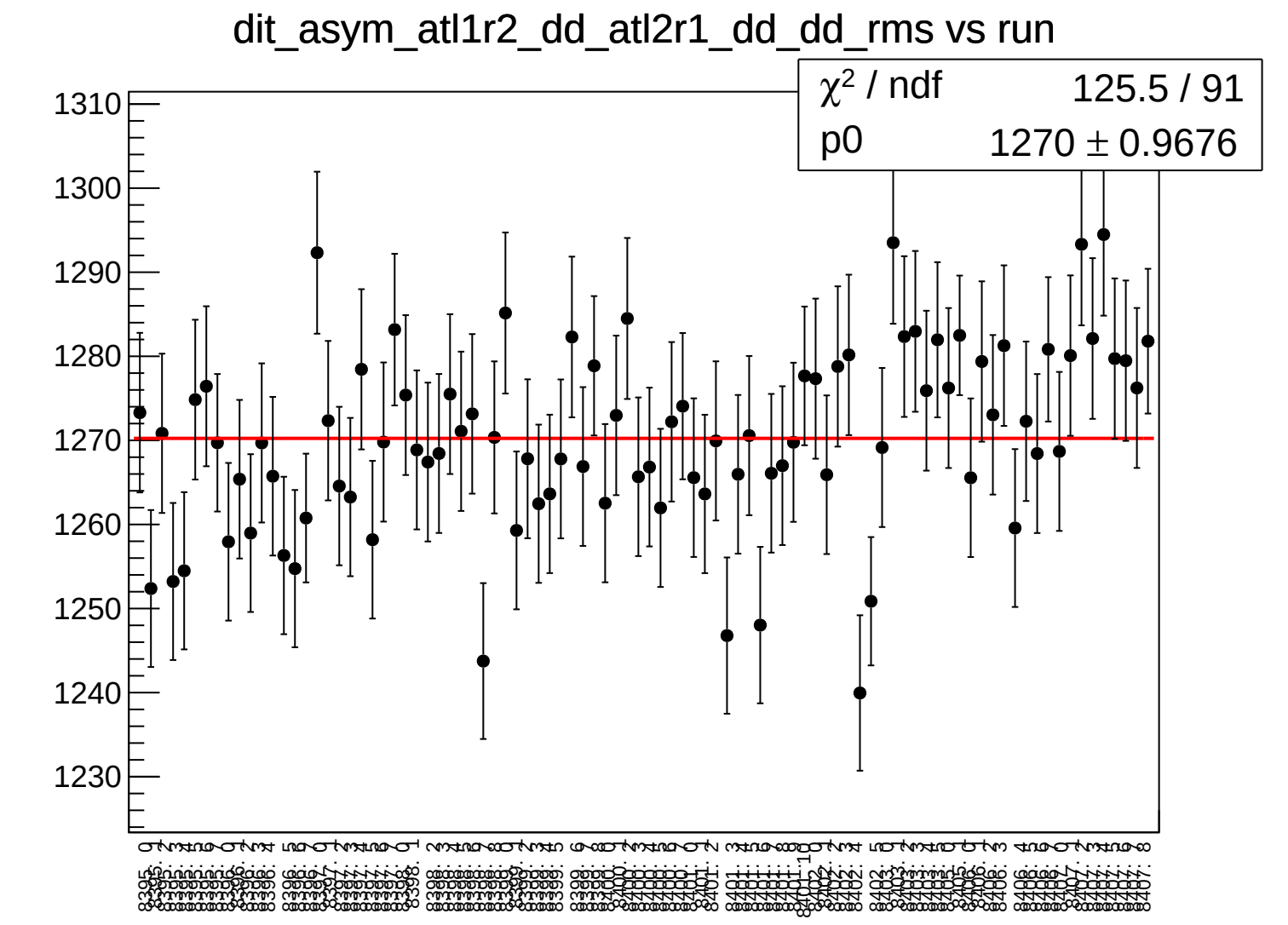

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −267.8 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −155.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.005723
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

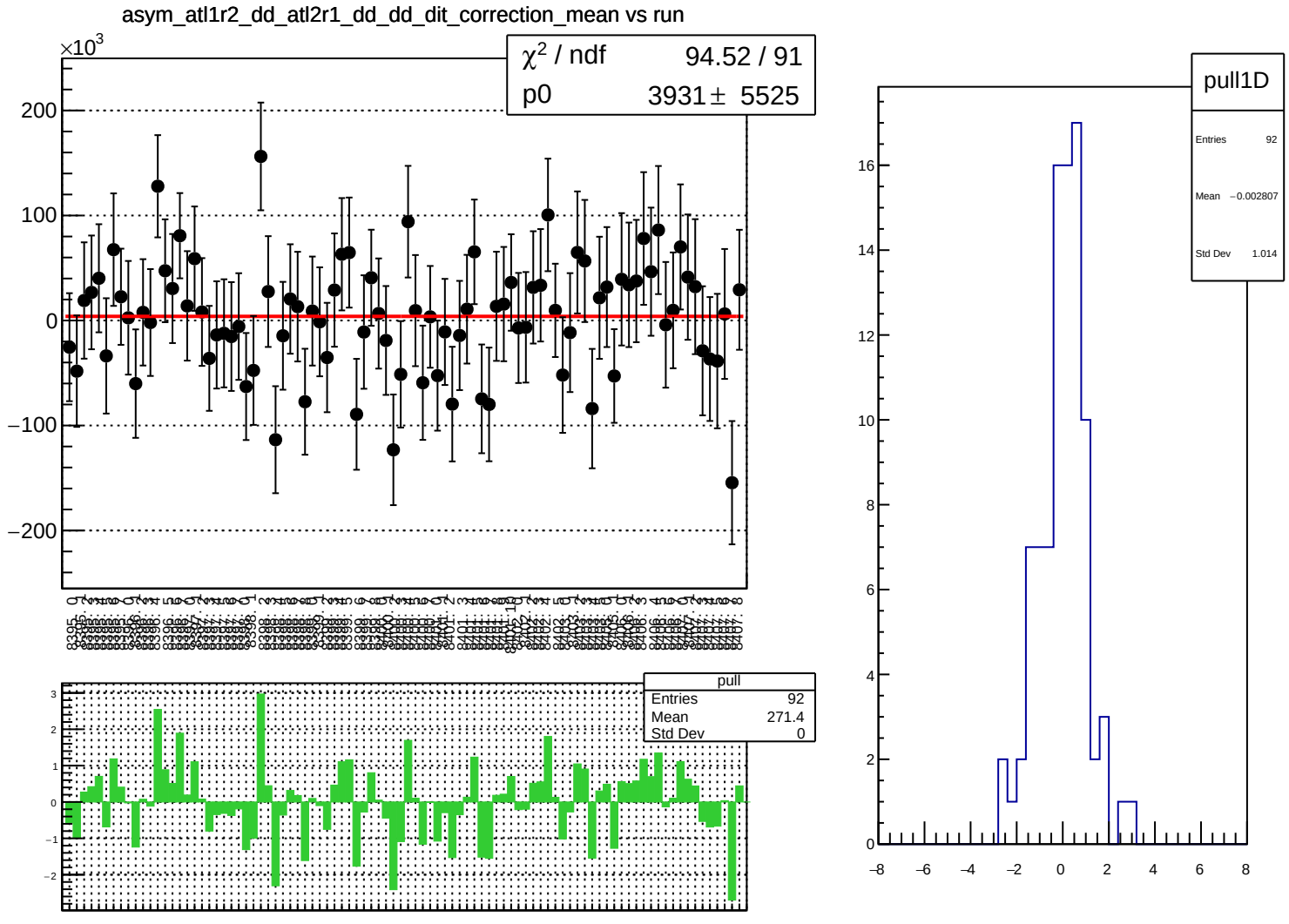

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
$\chi^2$ / ndf 118.1 / 91
p0 1265 ± 0.9638
1300
1290
1280
1270
1260
1250
1240
1230
1220

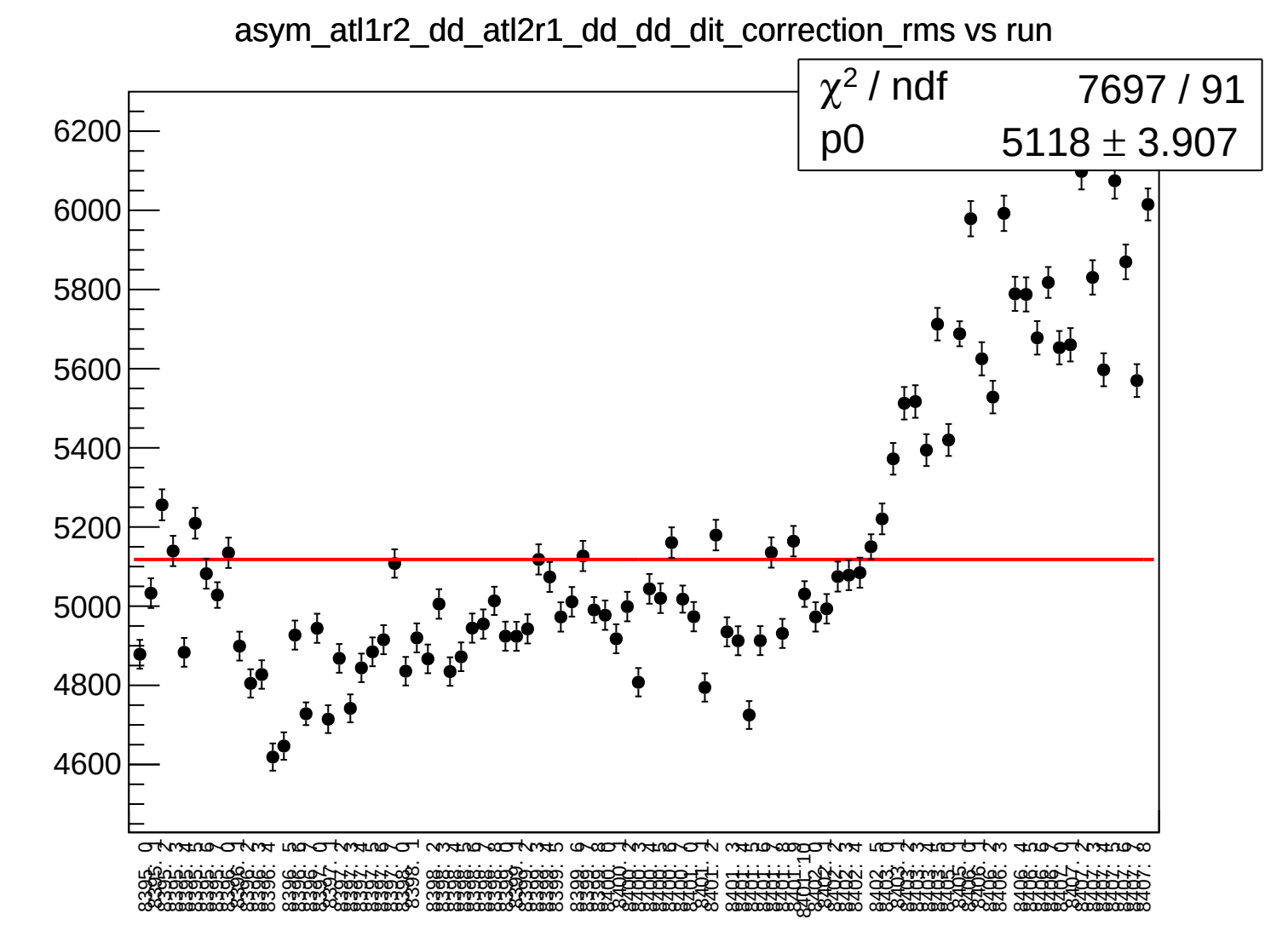

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.73 / 91
p0 3705 ± 5492
pull
Entries 92
Mean 247.2
Std Dev 0
pull1D
Entries 92
Mean −0.002789
Std Dev 1.009

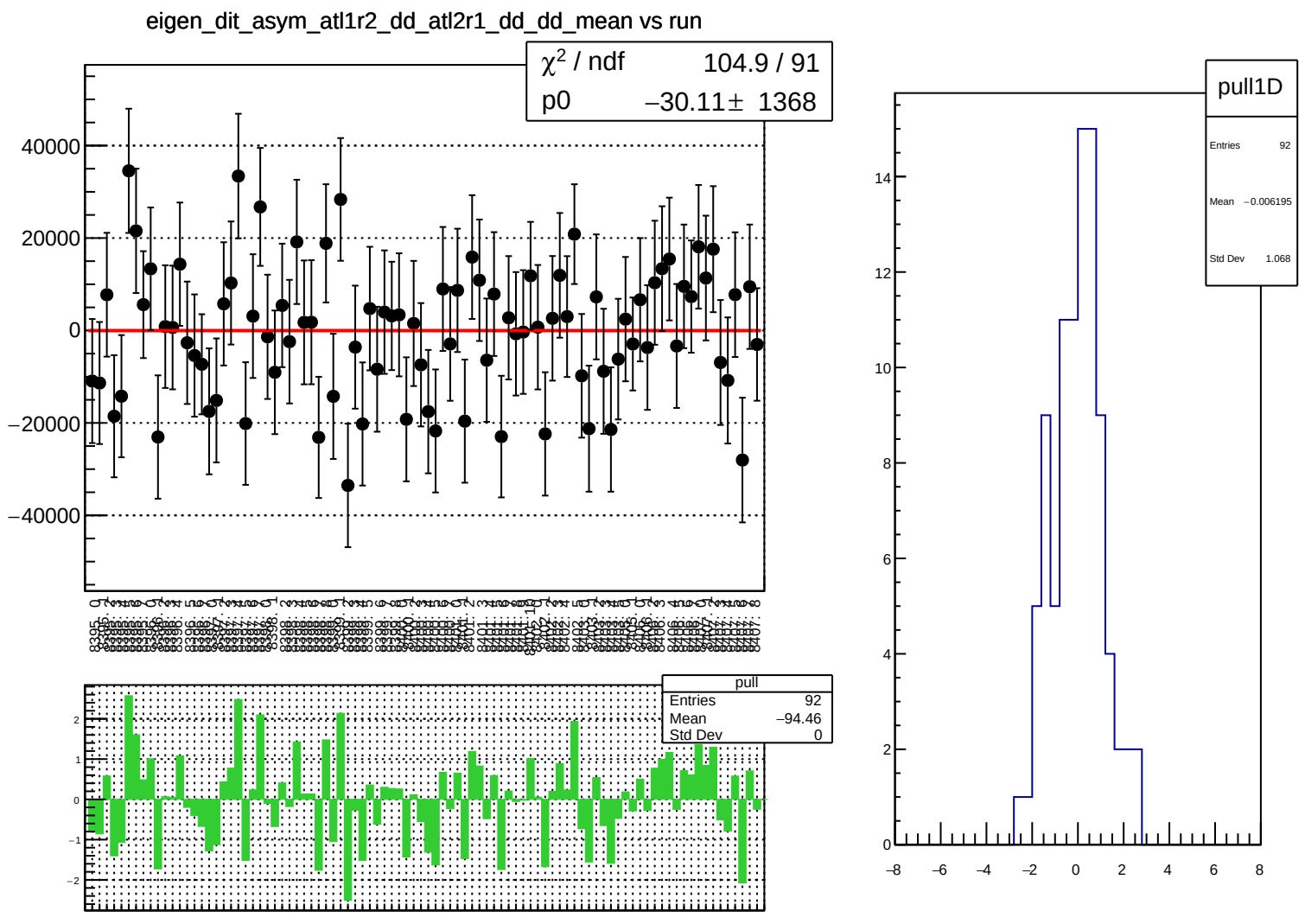

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 7486 / 91
p0 5087 ± 3.883
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

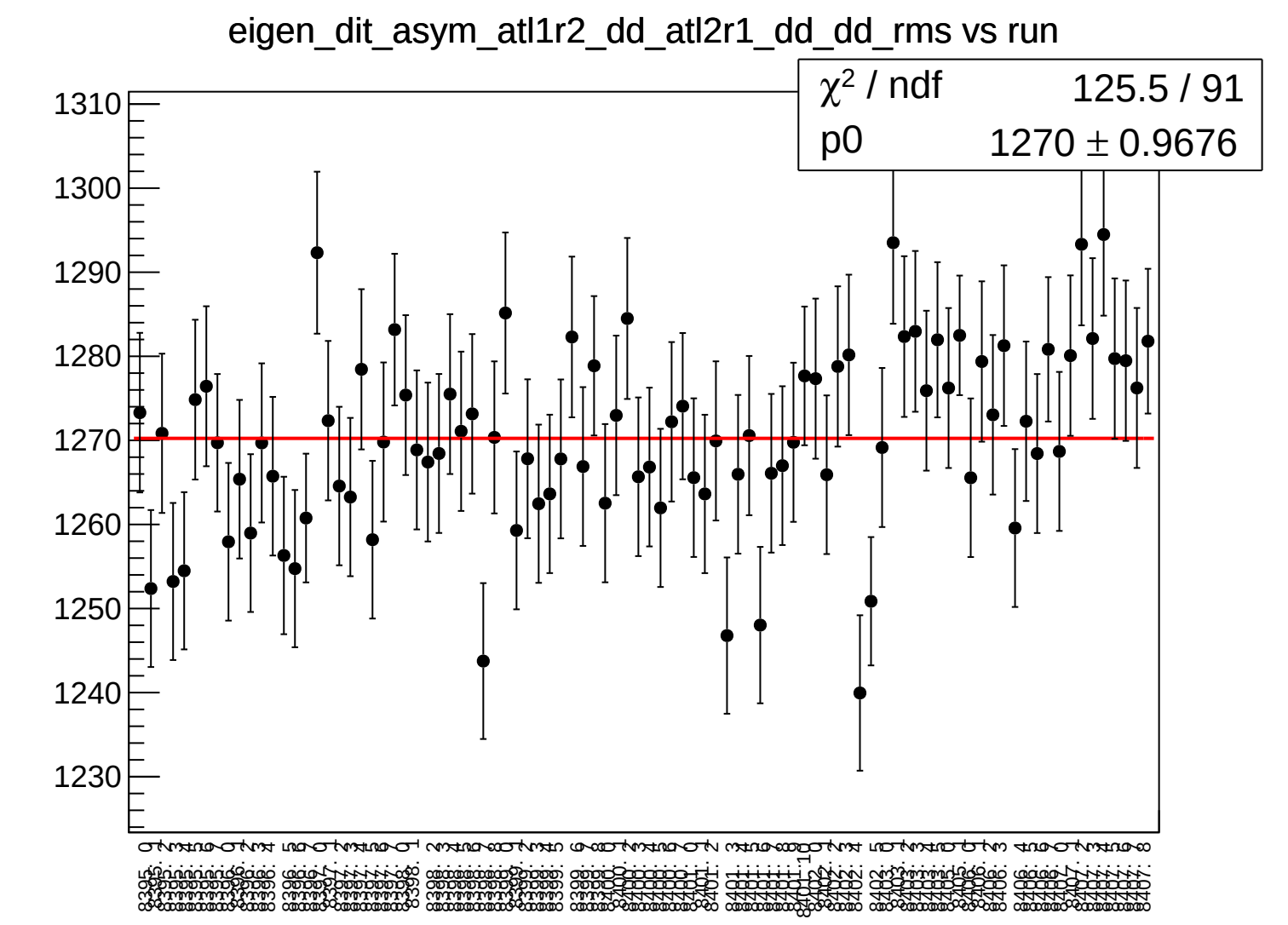

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 104.9 / 91
p0 −30.13 ± 1368
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006195
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

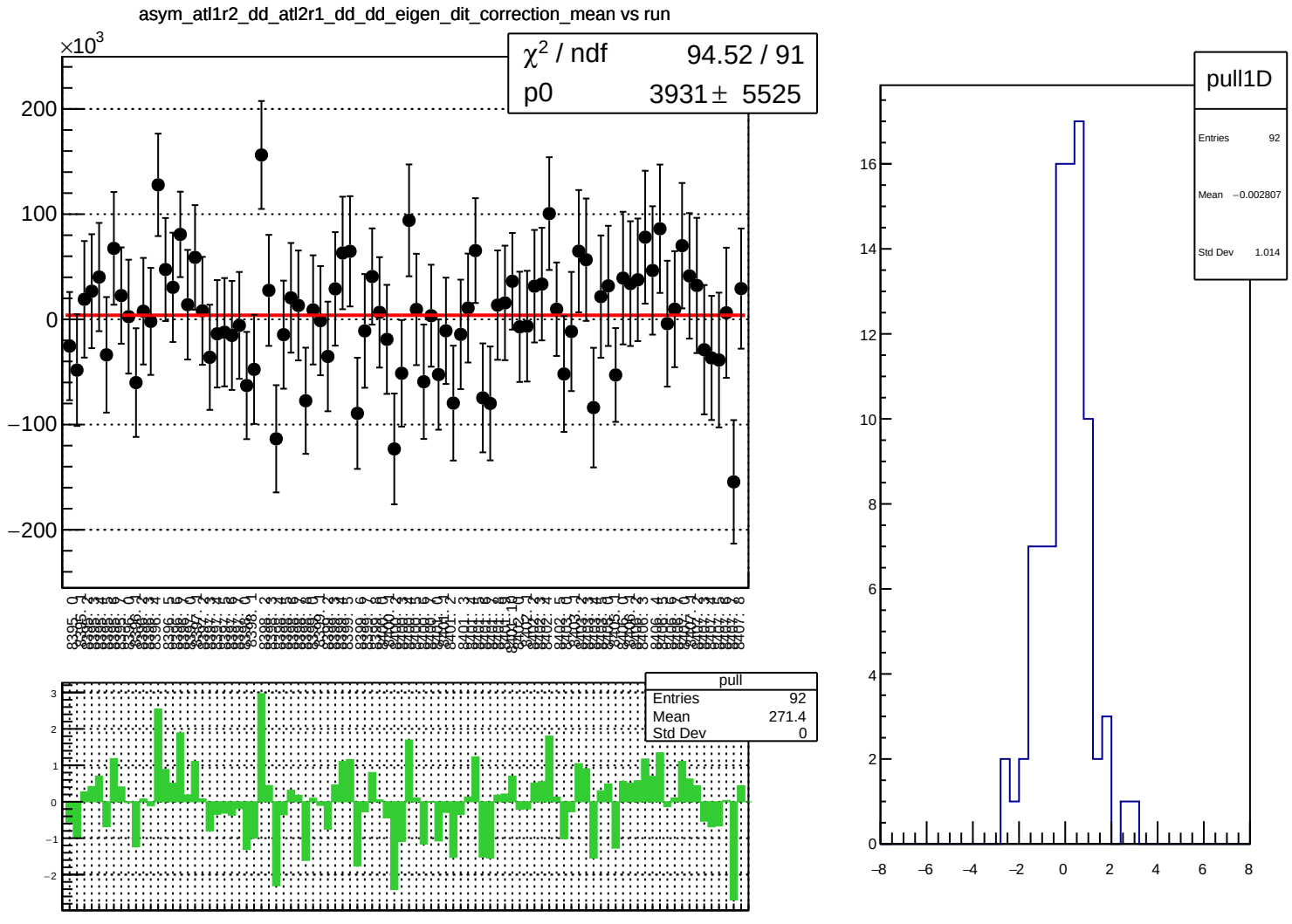

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 125.5 / 91
p0 1270 ± 0.9676
1310
1300
1290
1280
1270
1260
1250
1240
1230

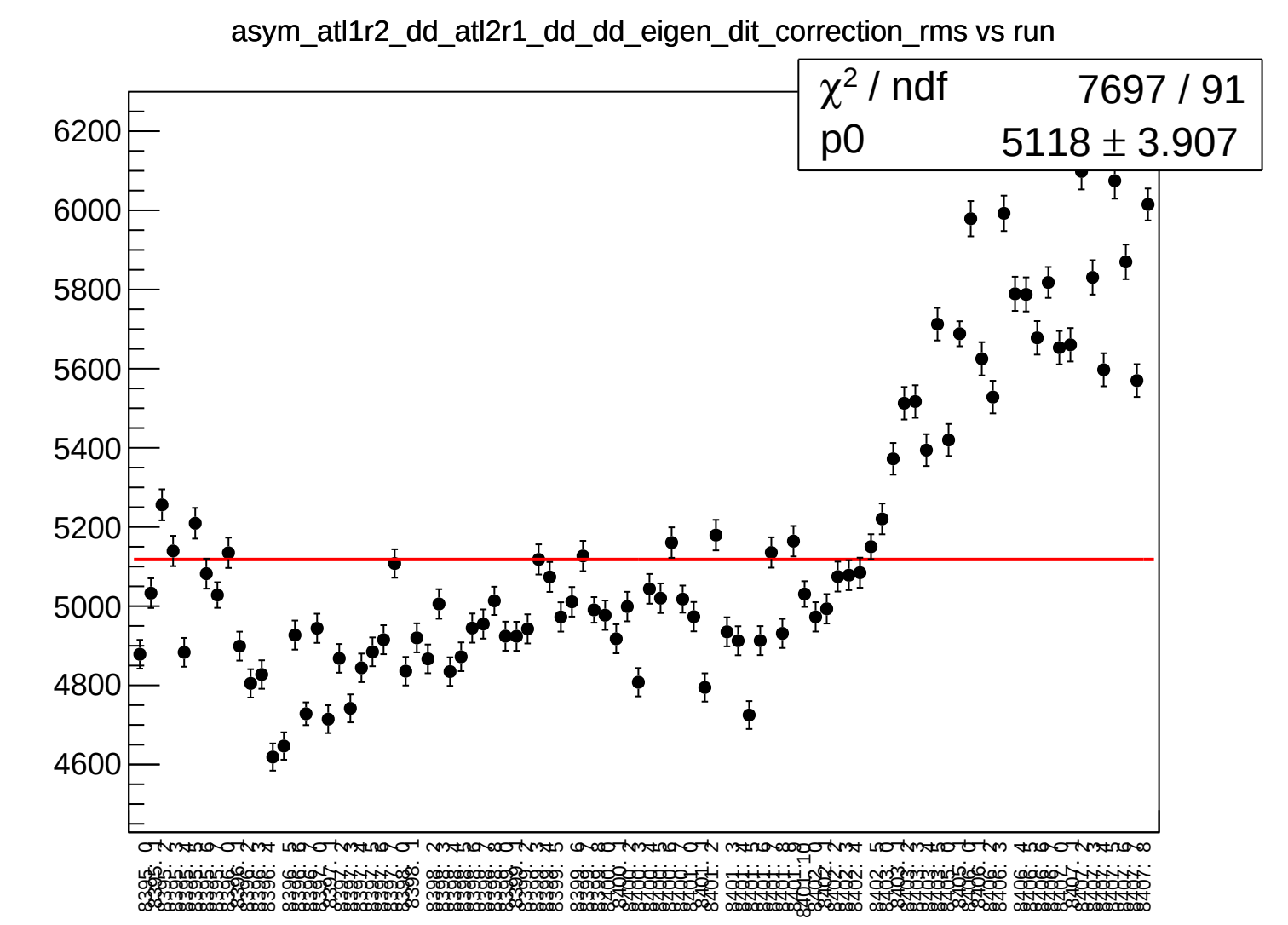

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 94.52 / 91
p0 3931 ± 5525
200
100
0
−100
−200
pull
Entries 92
Mean 271.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002807
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

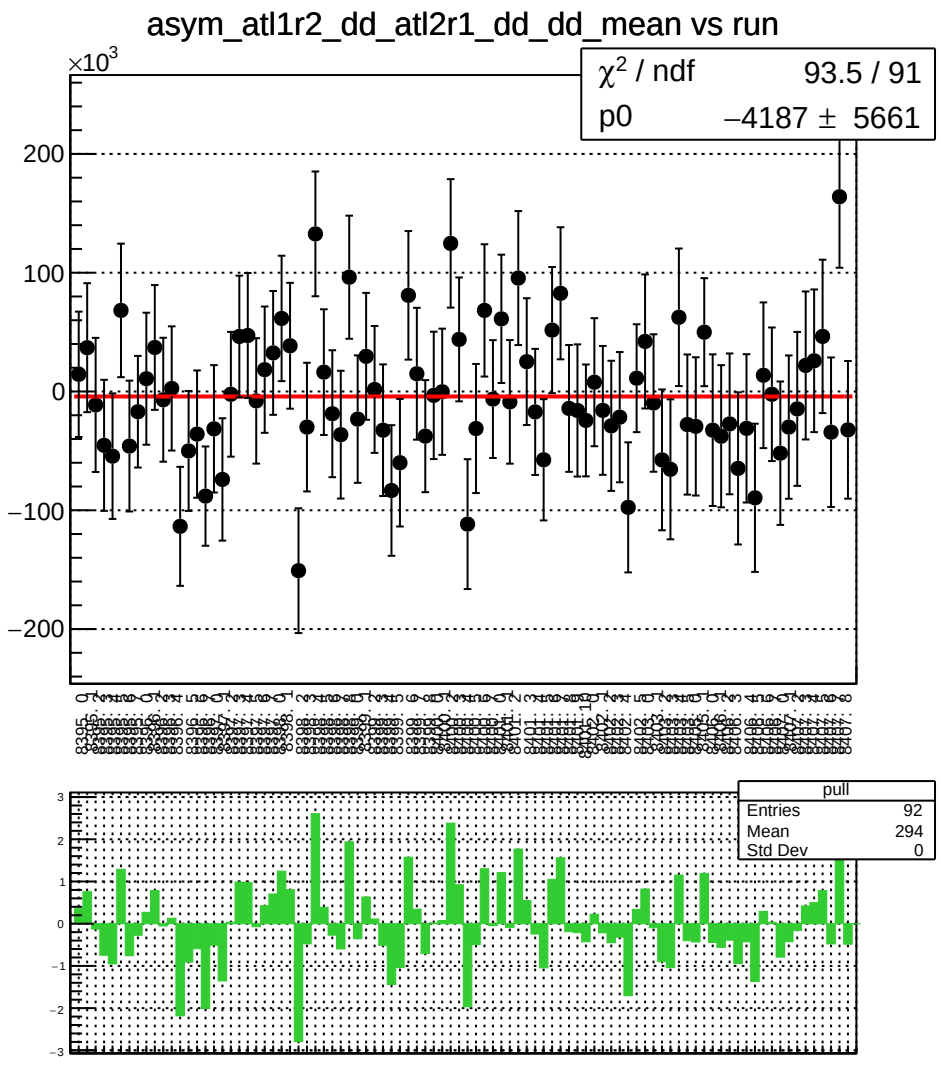

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 7697 / 91
p0 5118 ± 3.907
6200
6000
5800
5600
5400
5200
5000
4800
4600

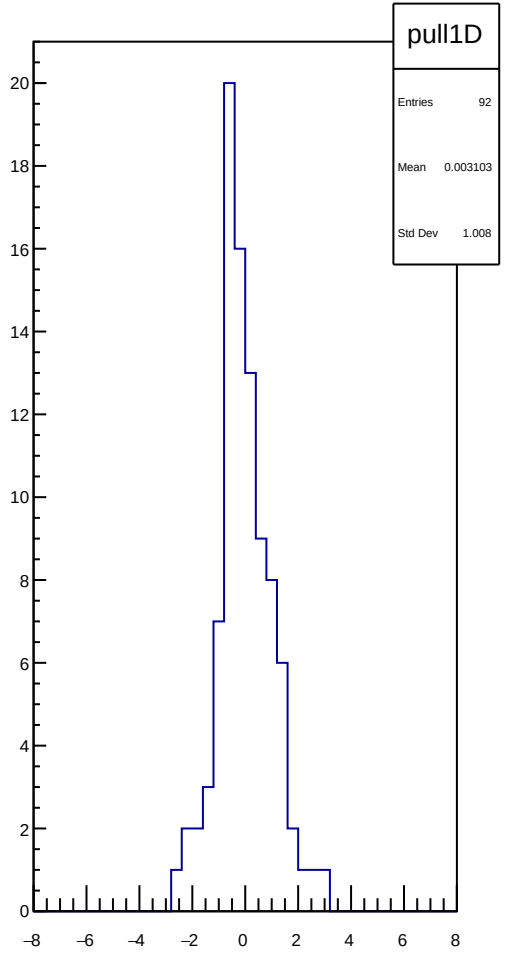

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 104.9 / 91
p0 −30.11± 1368
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −94.46
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.006195
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

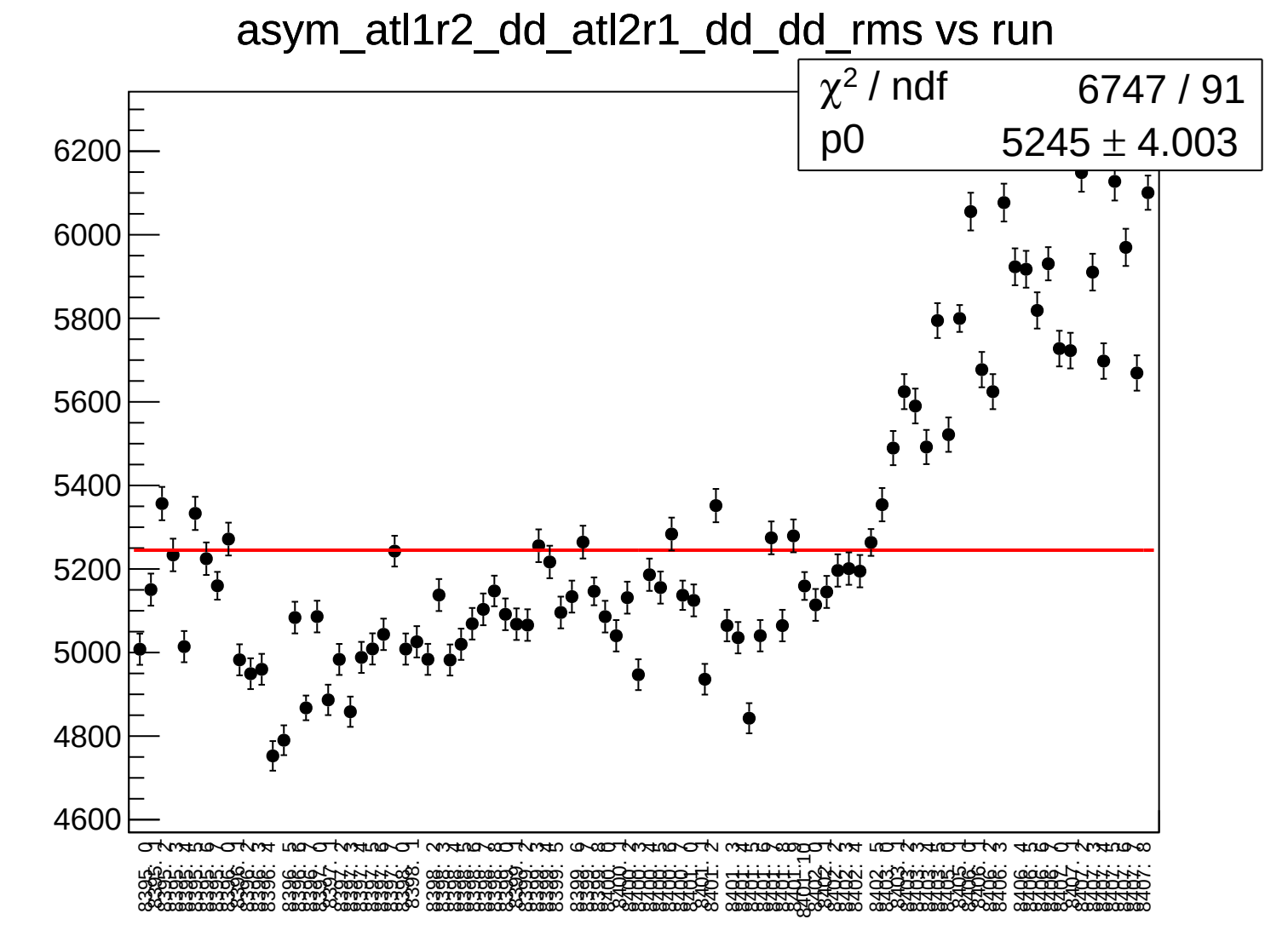

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 125.5 / 91
p0 1270 ± 0.9676
1310
1300
1290
1280
1270
1260
1250
1240
1230

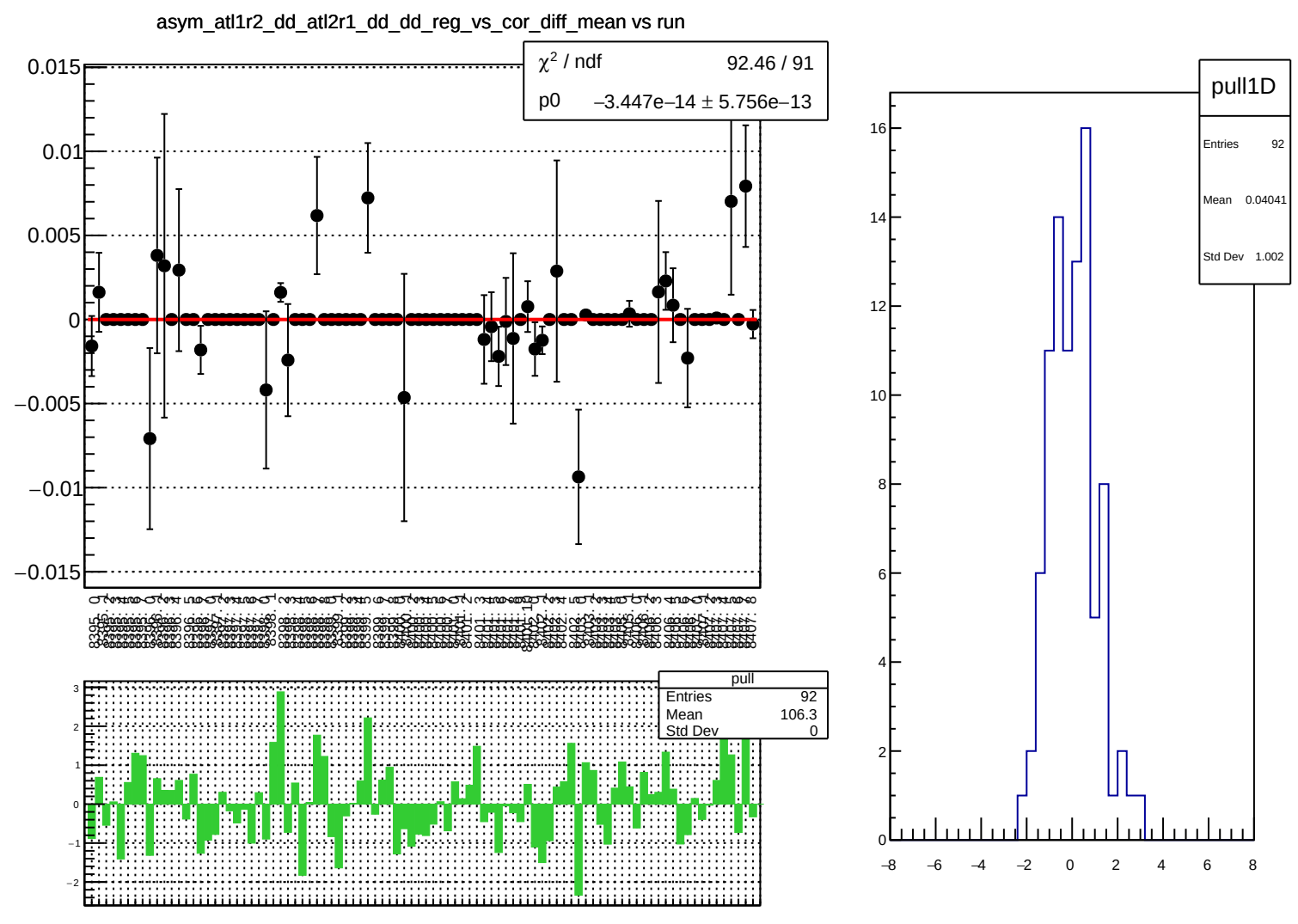

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 94.52 / 91
p0 3931 ± 5525
pull
Entries 92
Mean 271.4
Std Dev 0
pull1D
Entries 92
Mean −0.002807
Std Dev 1.014

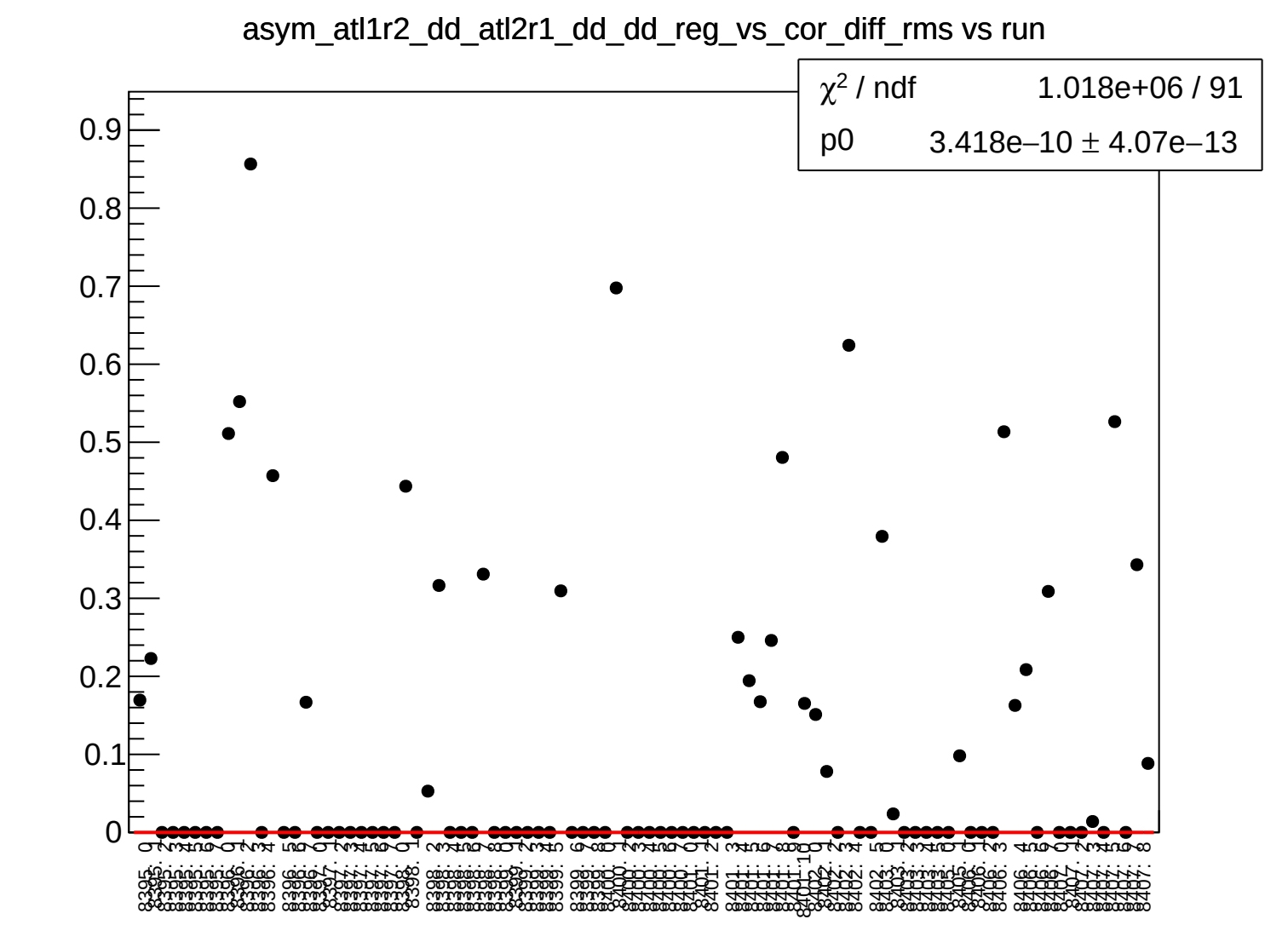

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
$\chi^2$ / ndf 7697 / 91
p0 5118 ± 3.907
6200
6000
5800
5600
5400
5200
5000
4800
4600

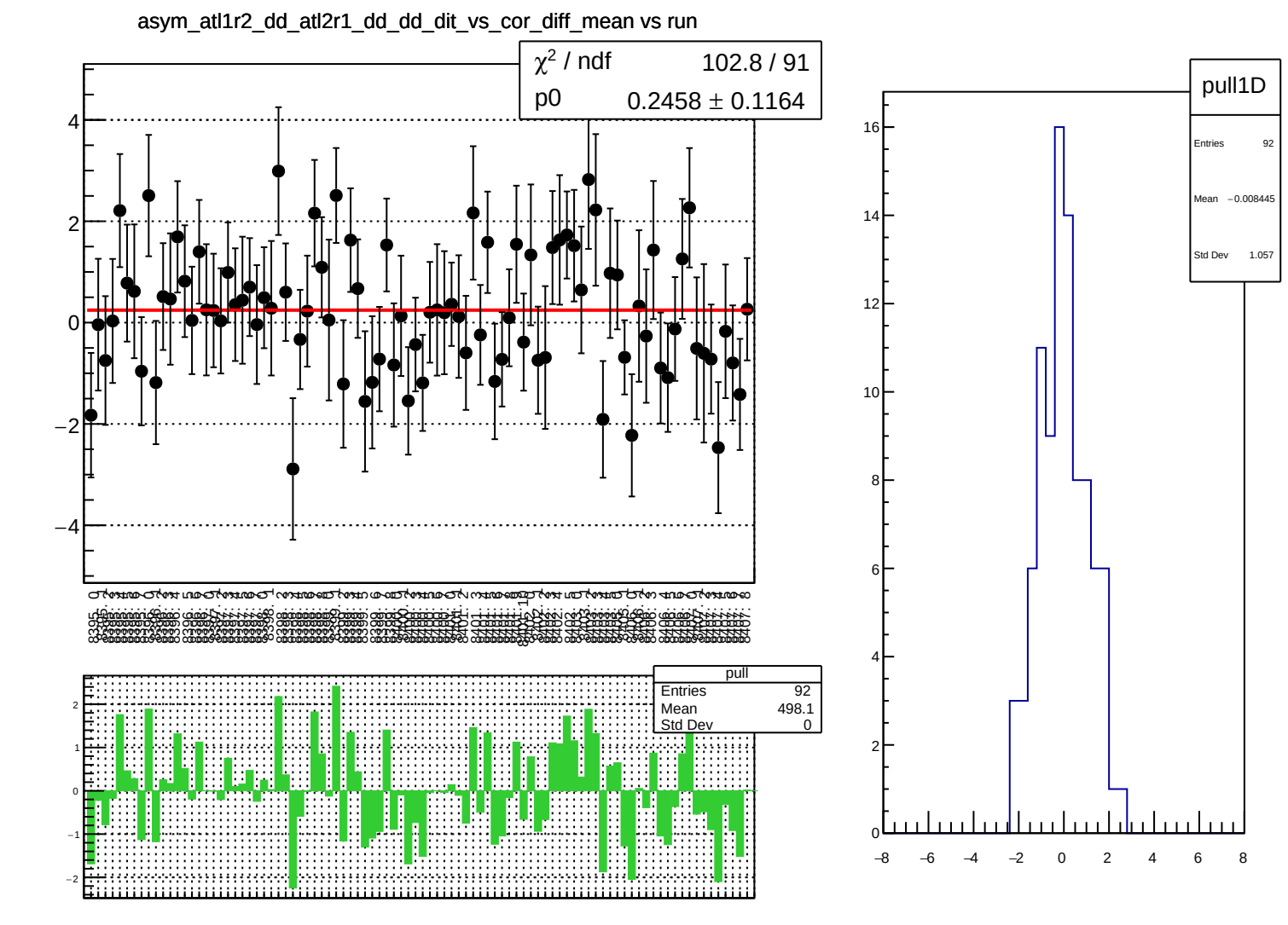

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ^2 / ndf 93.5 / 91
p0 −4187 ± 5661
200
100
0
−100
−200
pull
Entries 92
Mean 294
Std Dev 0
3
2
1
0
−1
−2
−3

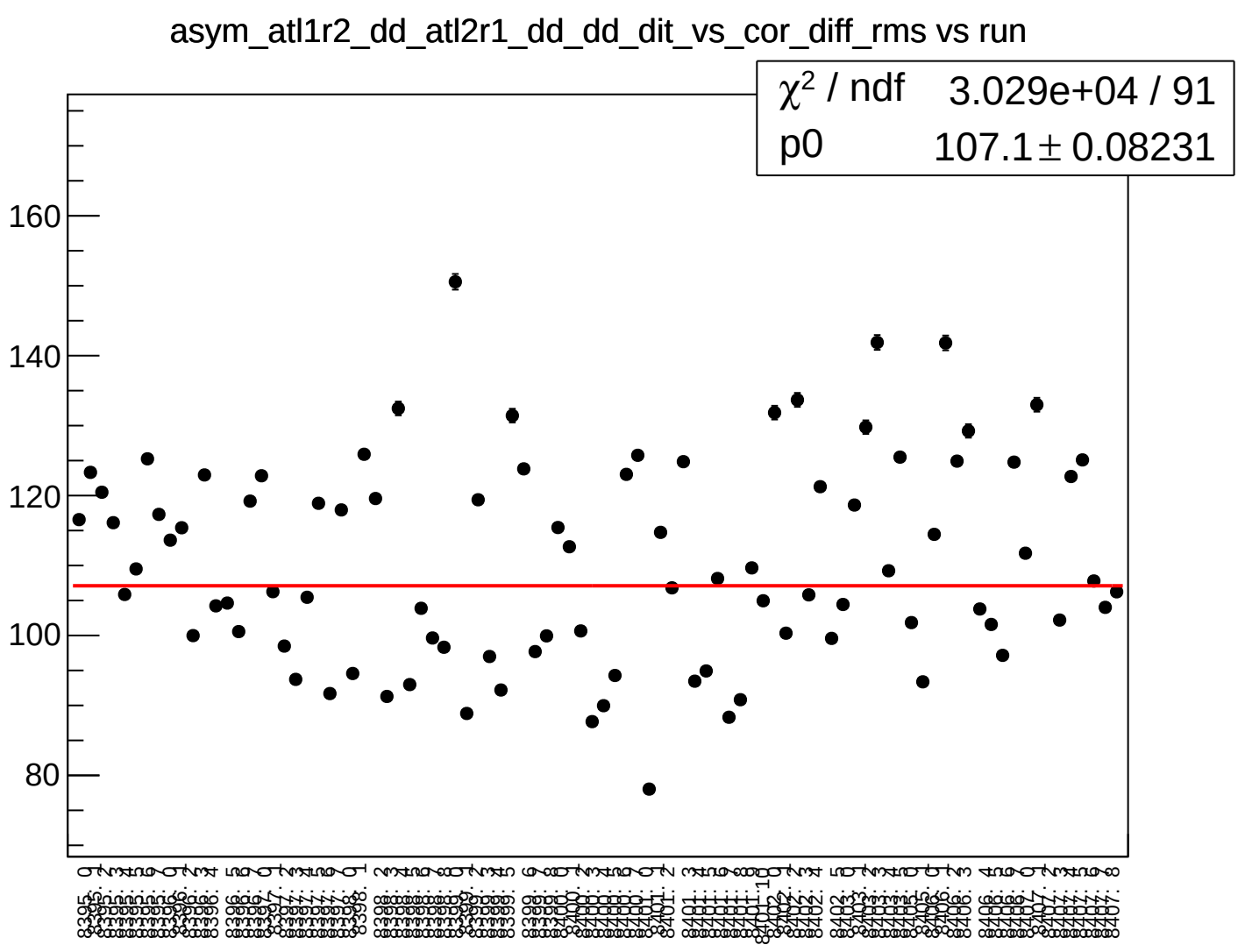

pull1D
Entries 92
Mean 0.003103
Std Dev 1.008
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

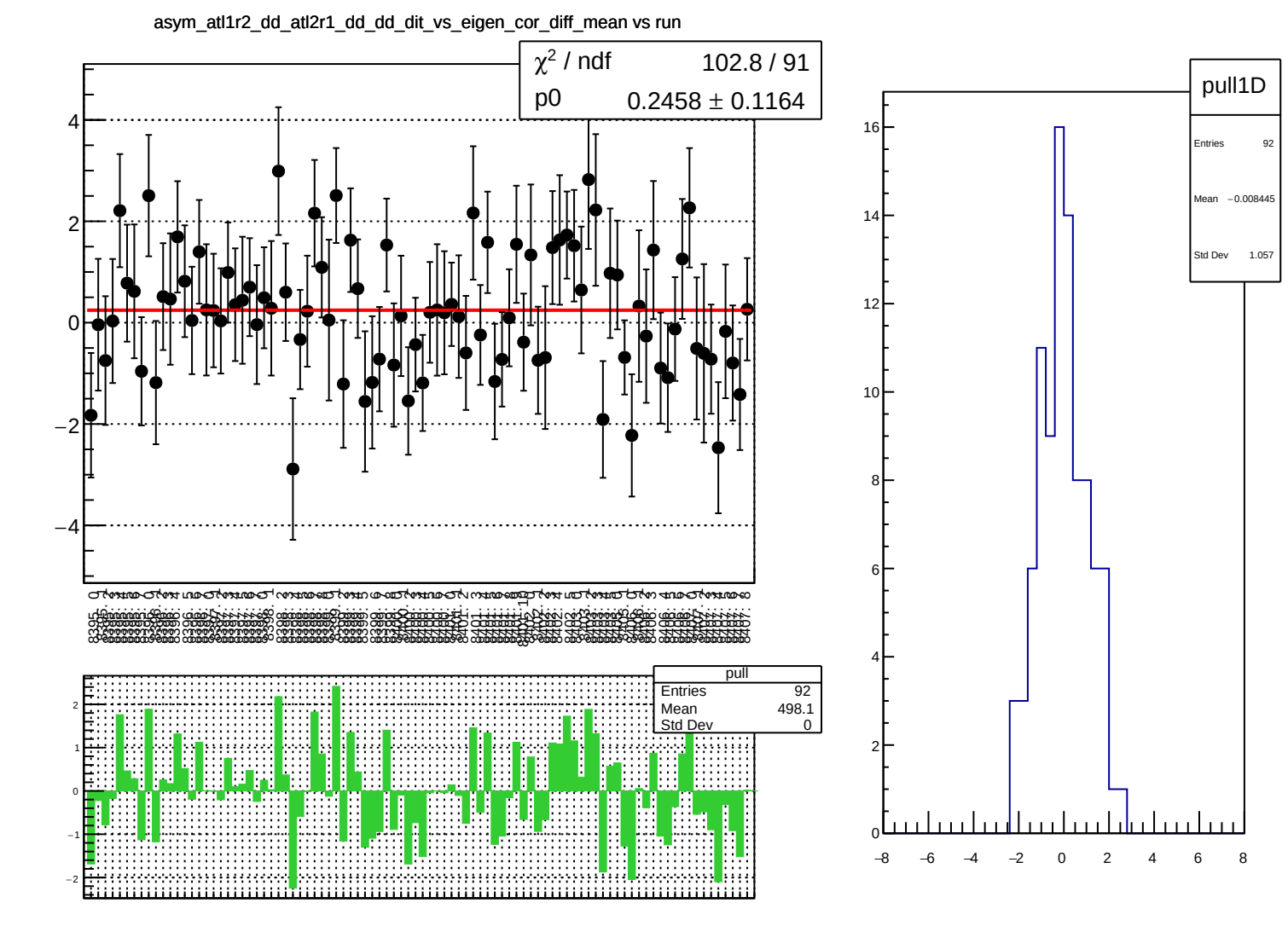

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 6747 / 91
p0 5245 ± 4.003
6200
6000
5800
5600
5400
5200
5000
4800
4600

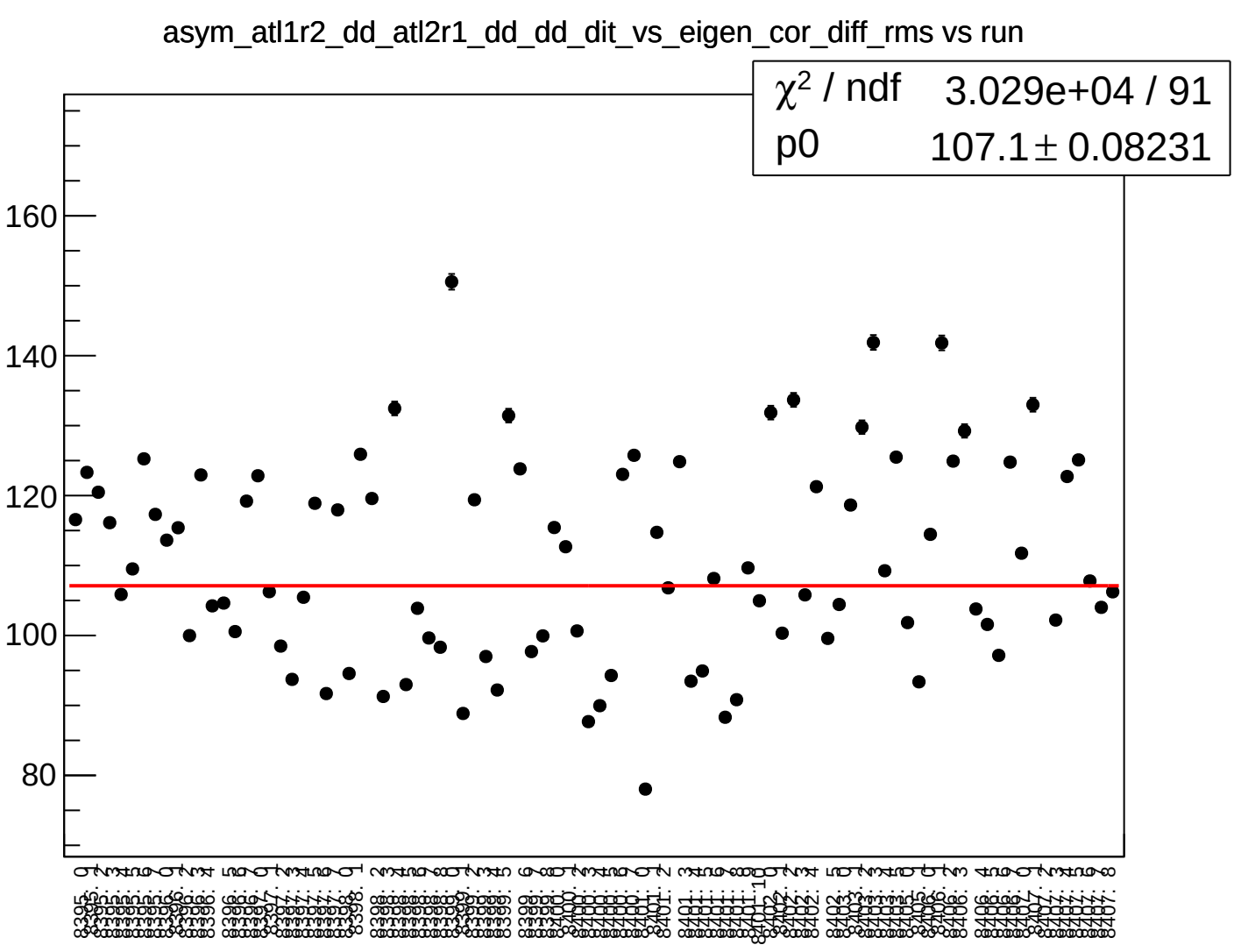

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.46 / 91
p0 −3.447e−14 ± 5.756e−13
pull
Entries 92
Mean 106.3
Std Dev 0
pull1D
Entries 92
Mean 0.04041
Std Dev 1.002

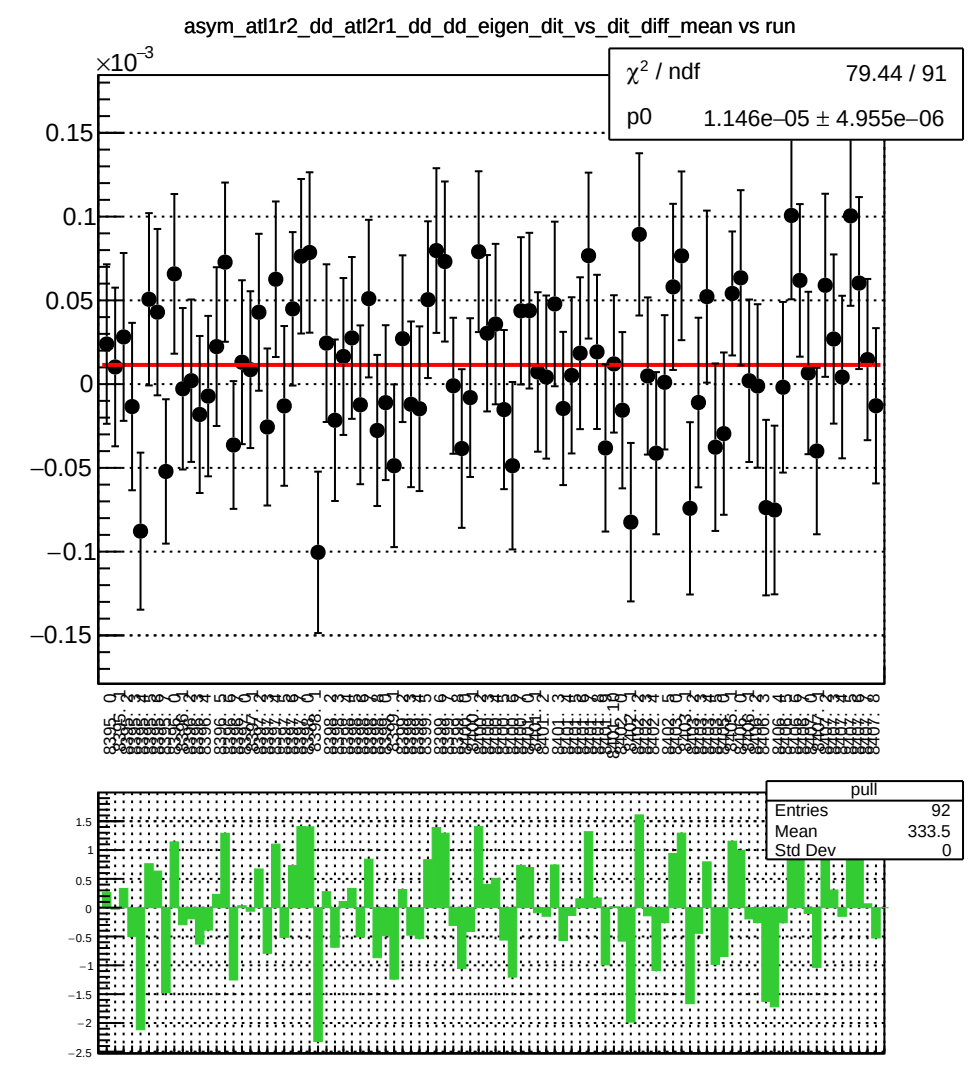

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.018e+06 / 91
p0 3.418e−10 ± 4.07e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

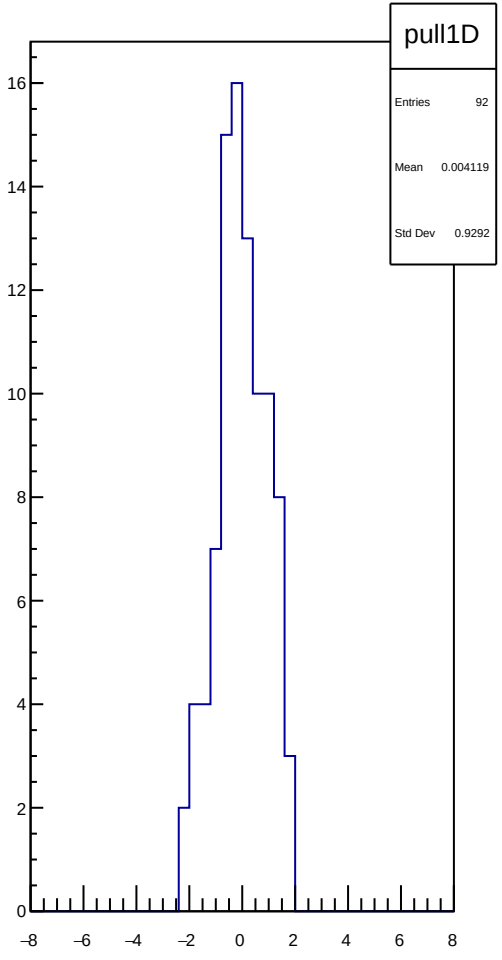

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008445
Std Dev 1.057

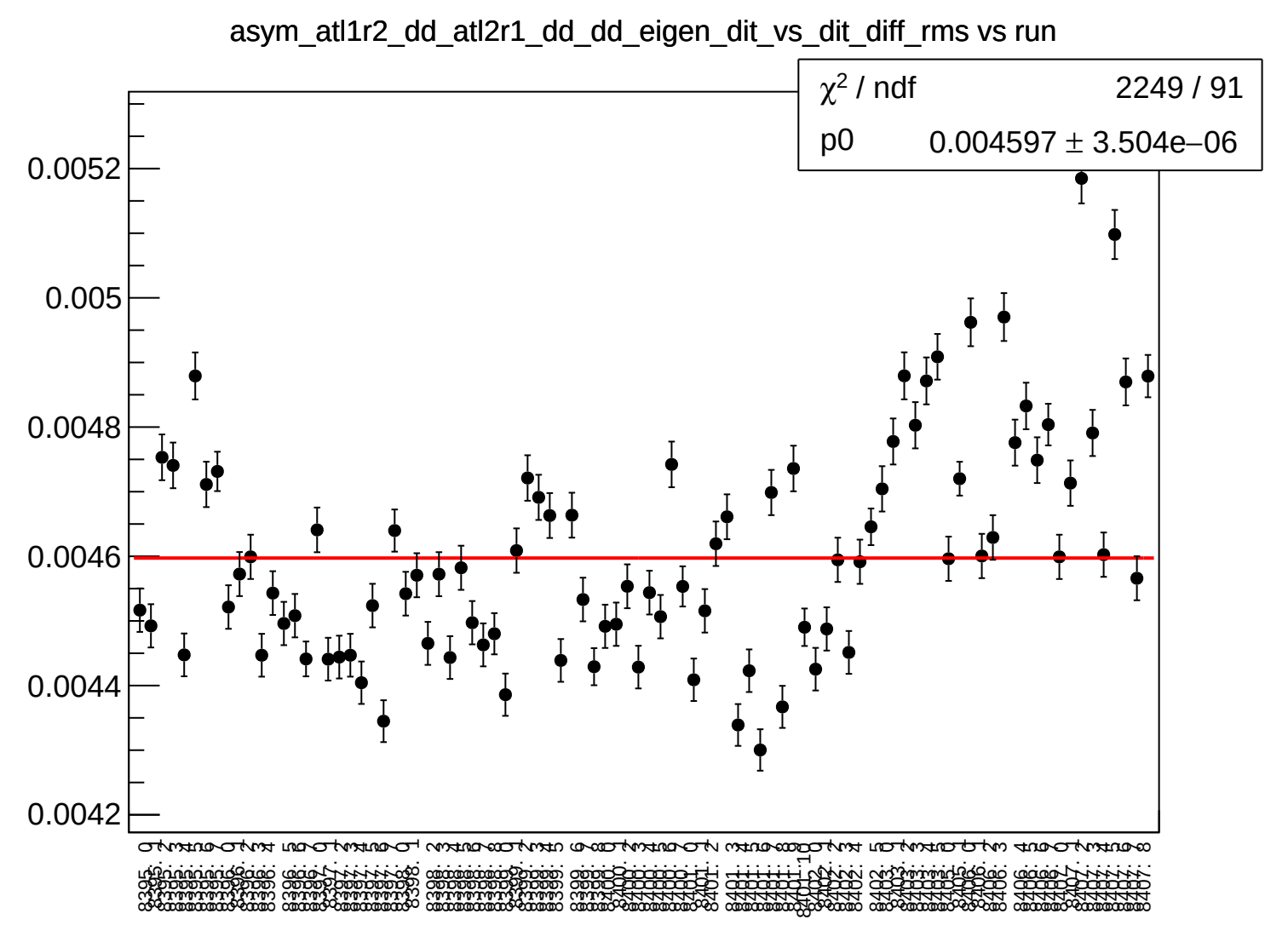

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

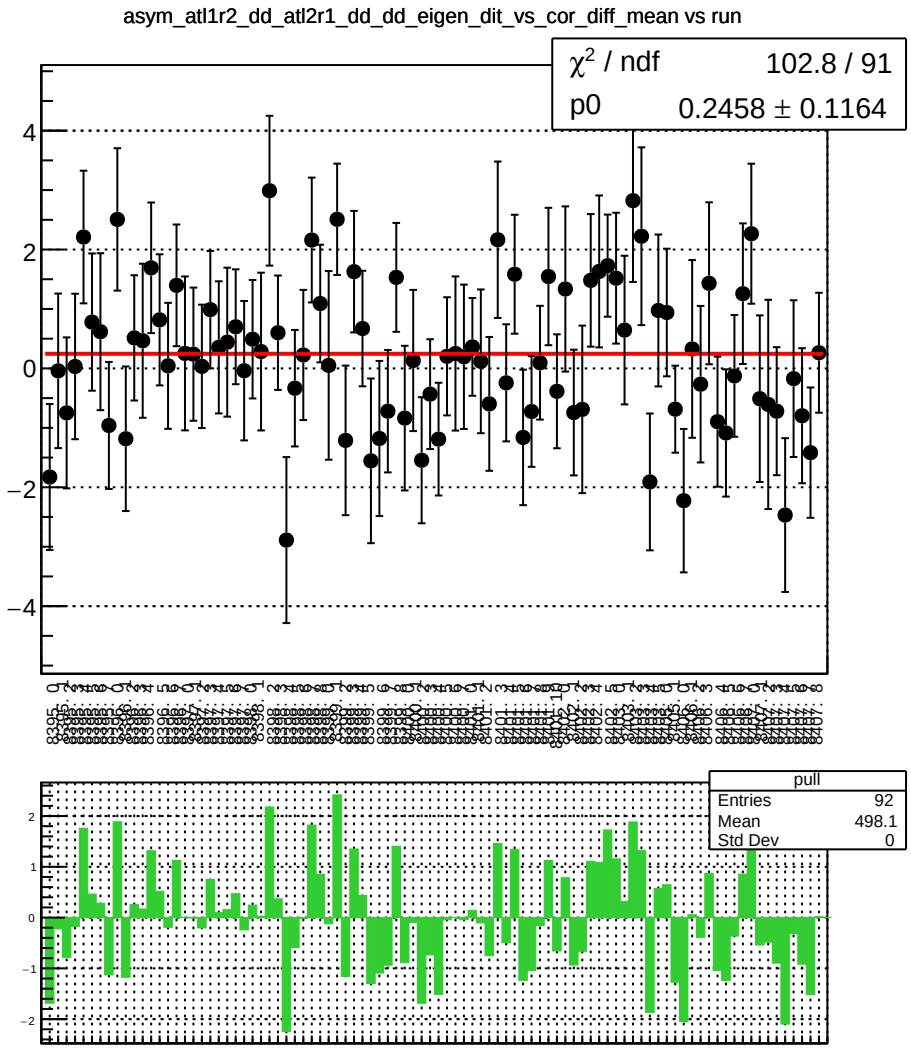

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008445
Std Dev 1.057

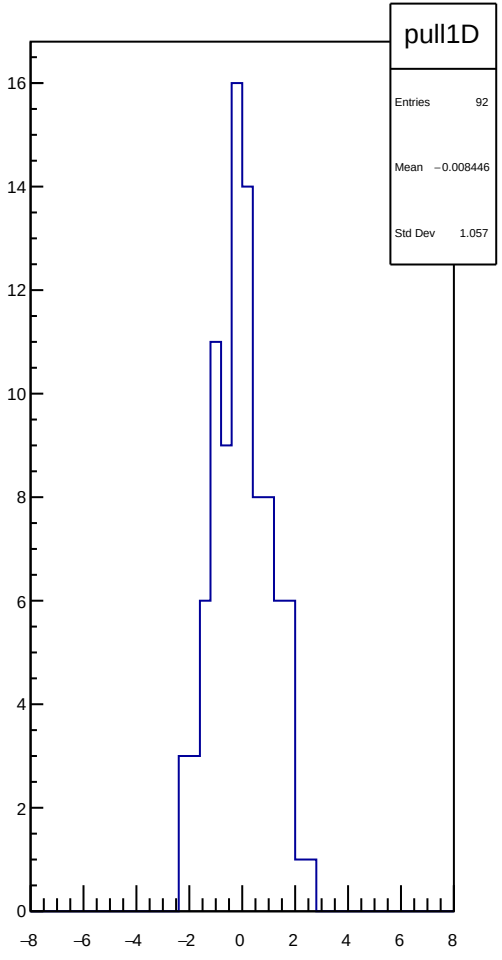

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

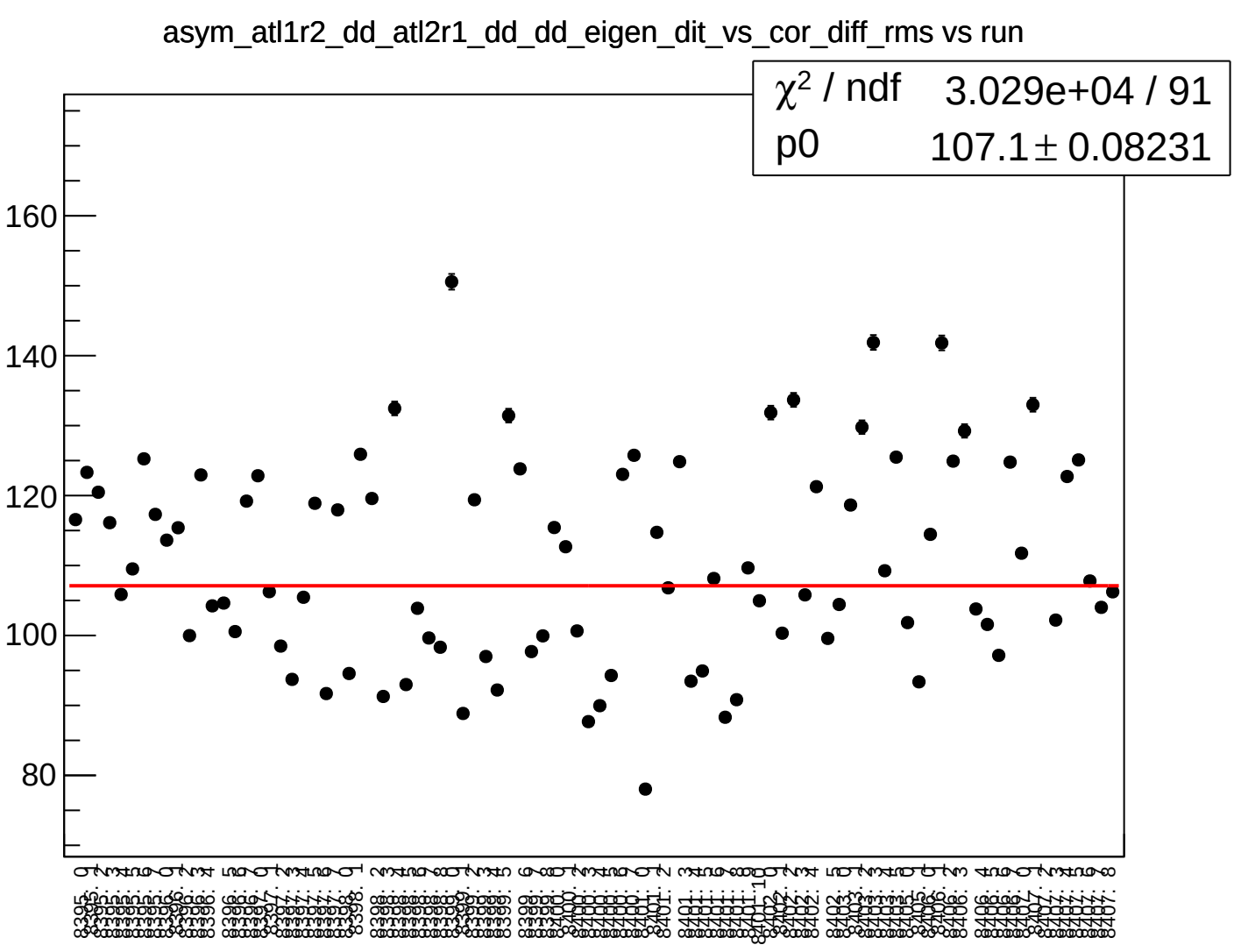

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 79.44 / 91
p0 1.146e−05 ± 4.955e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 333.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

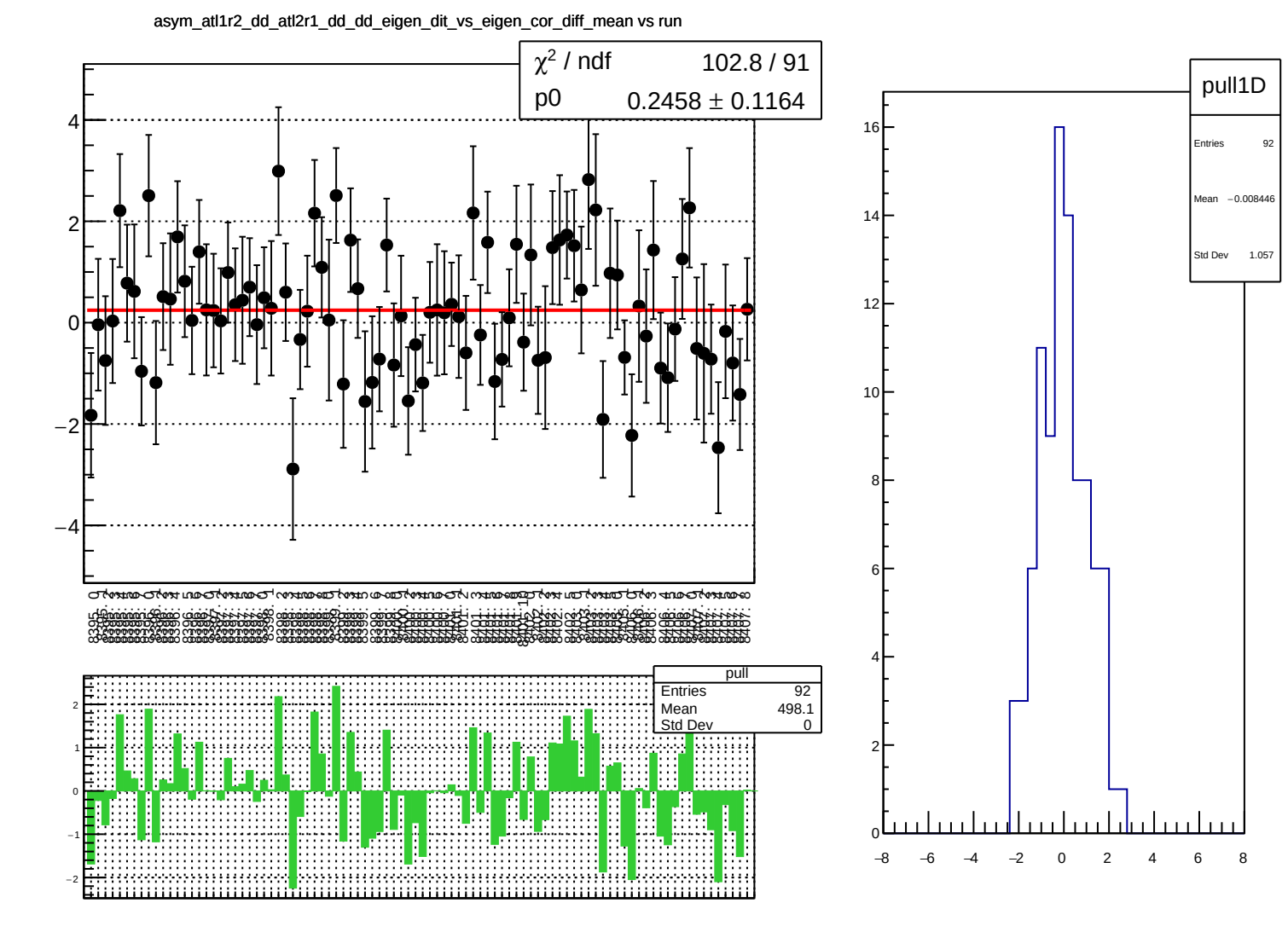

pull1D
Entries 92
Mean 0.004119
Std Dev 0.9292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

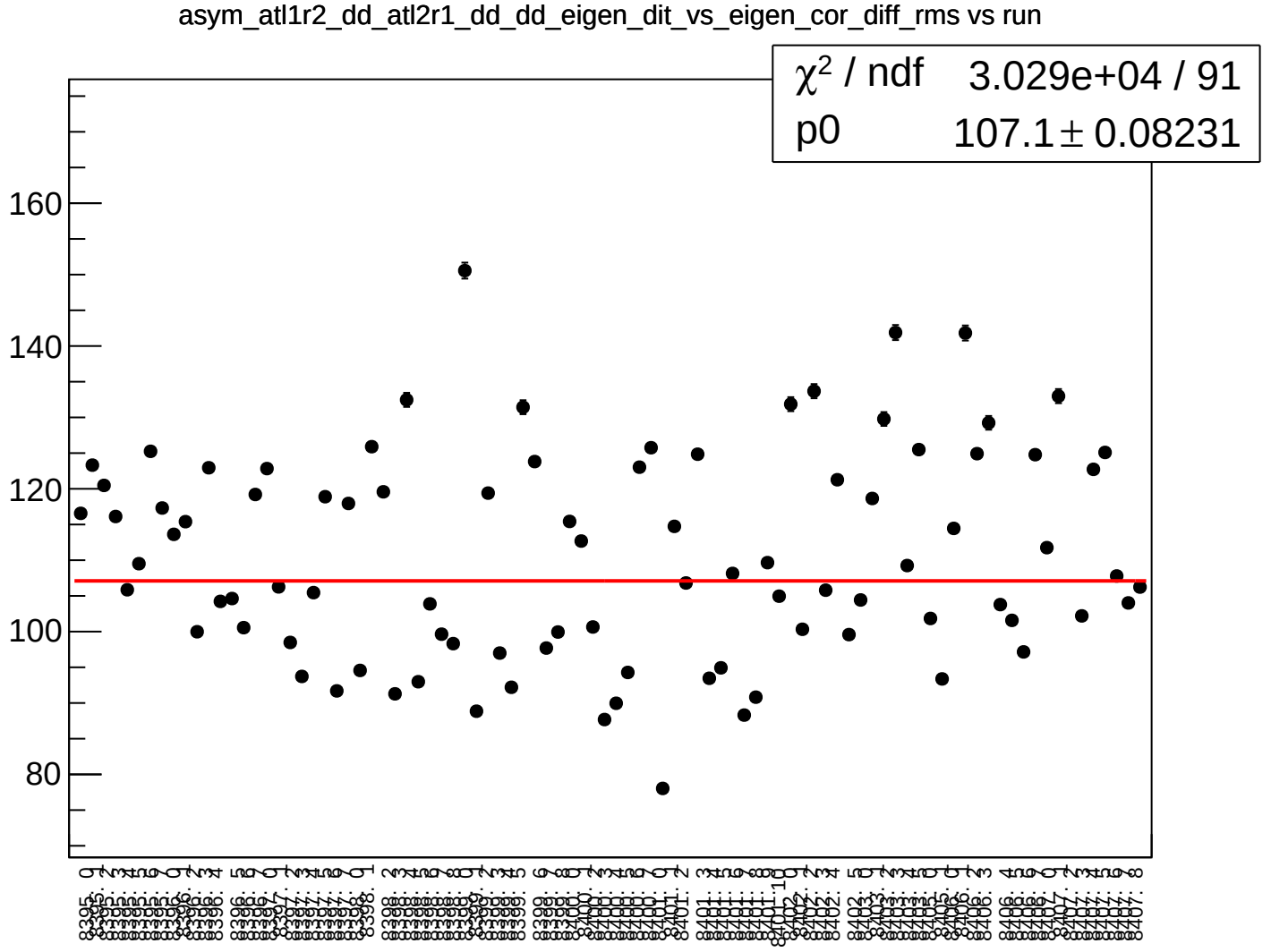

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2249 / 91
p0 0.004597 ± 3.504e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

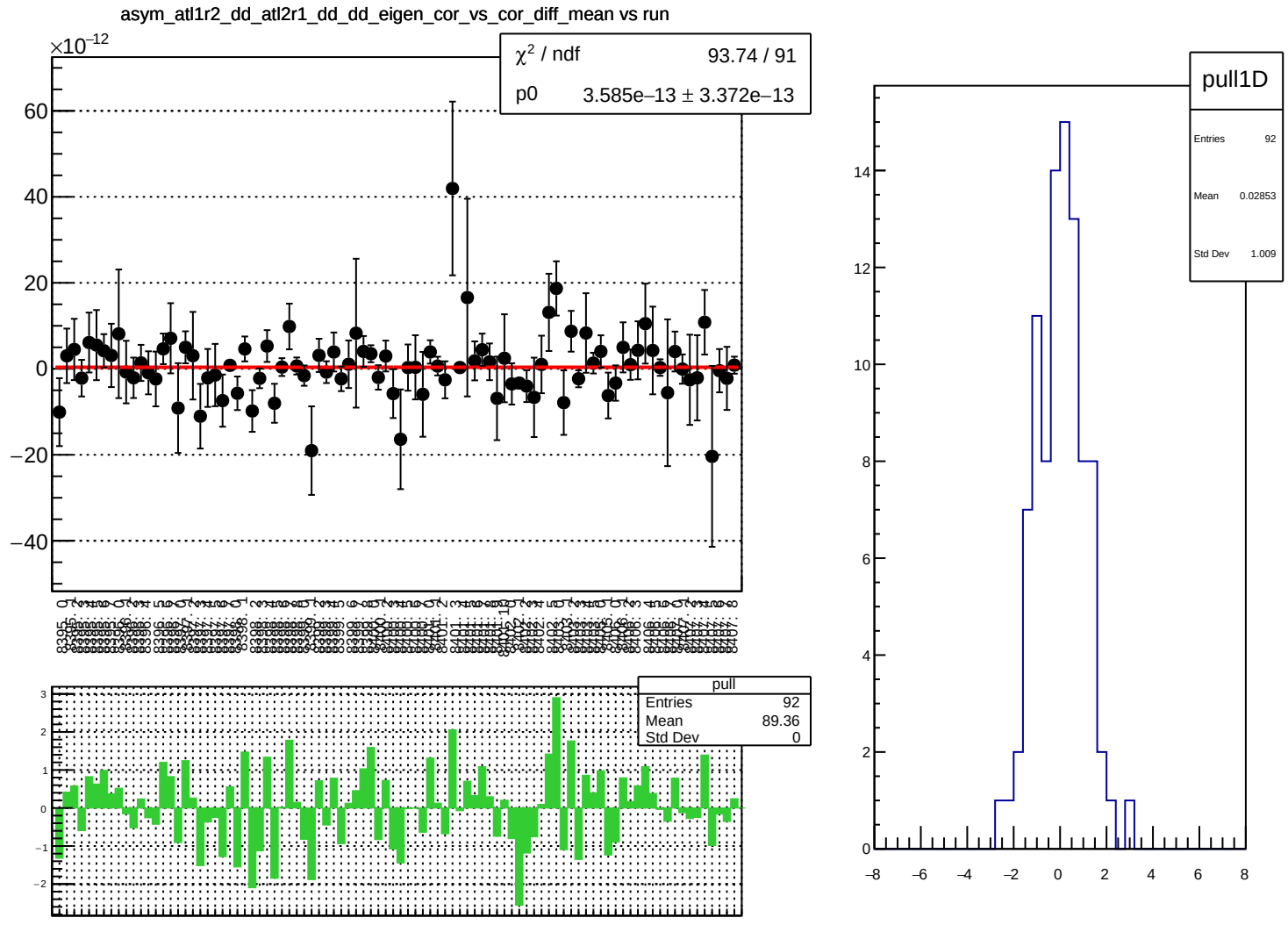

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0

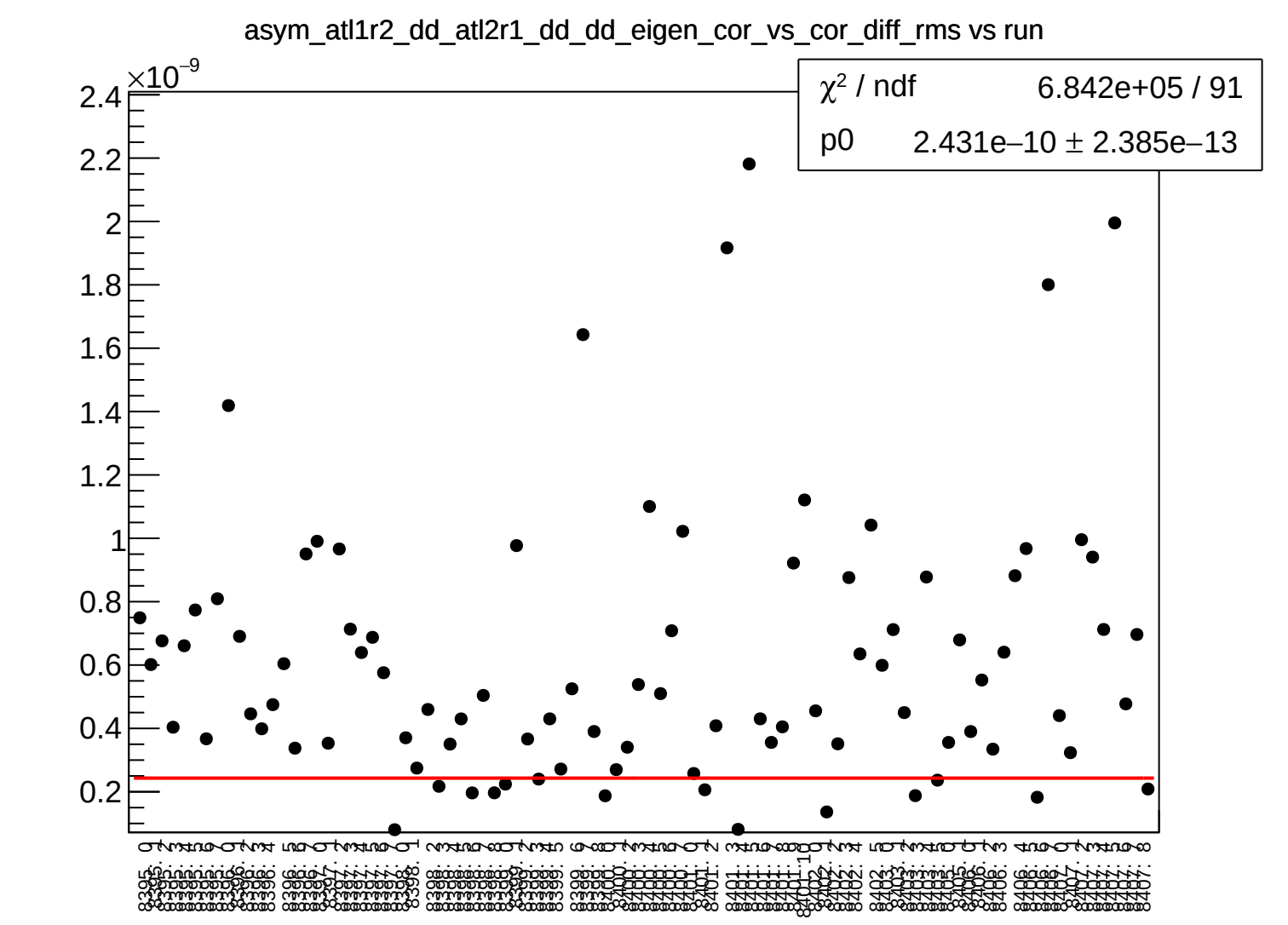

pull1D
Entries 92
Mean −0.008446
Std Dev 1.057

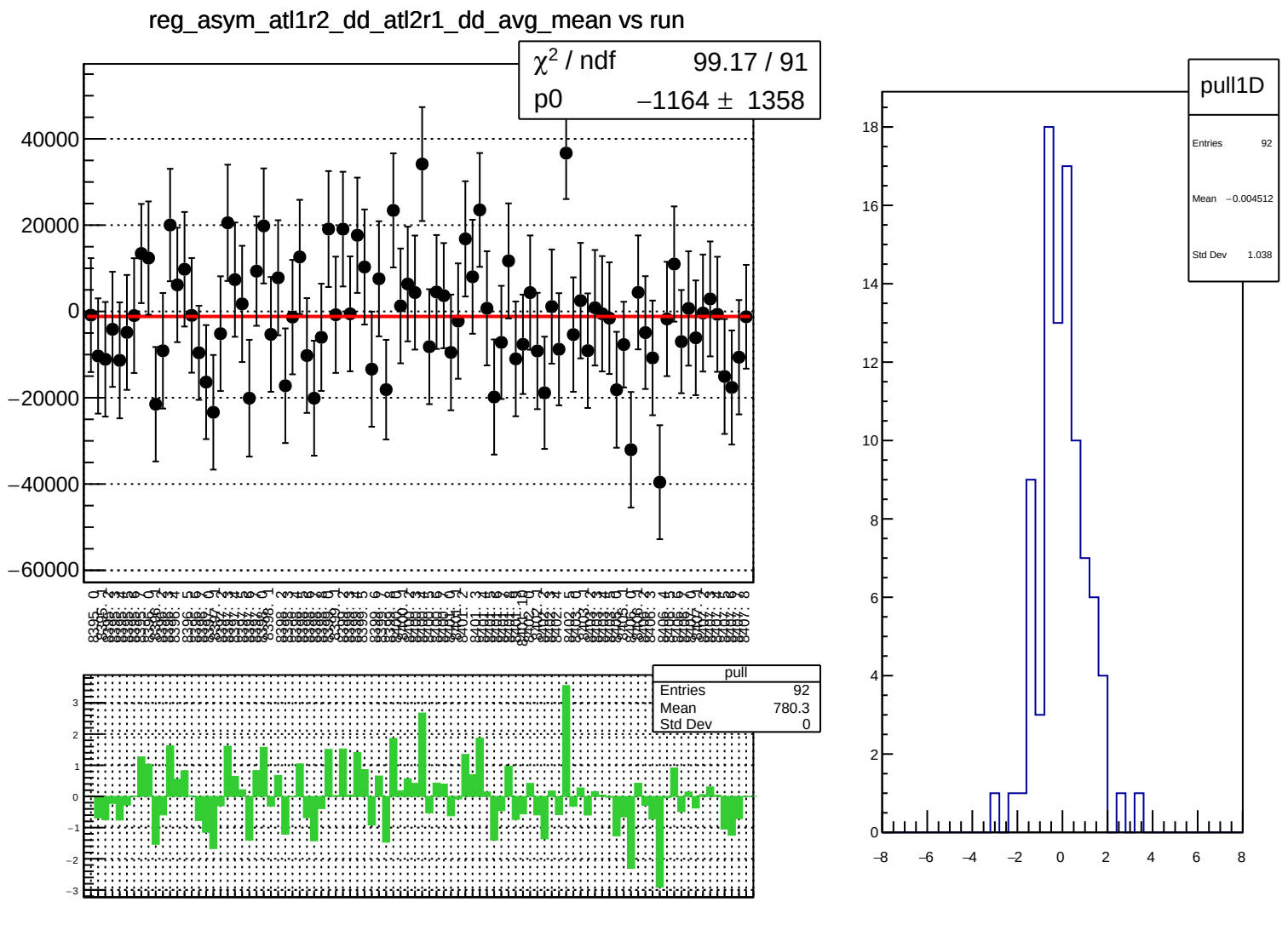

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

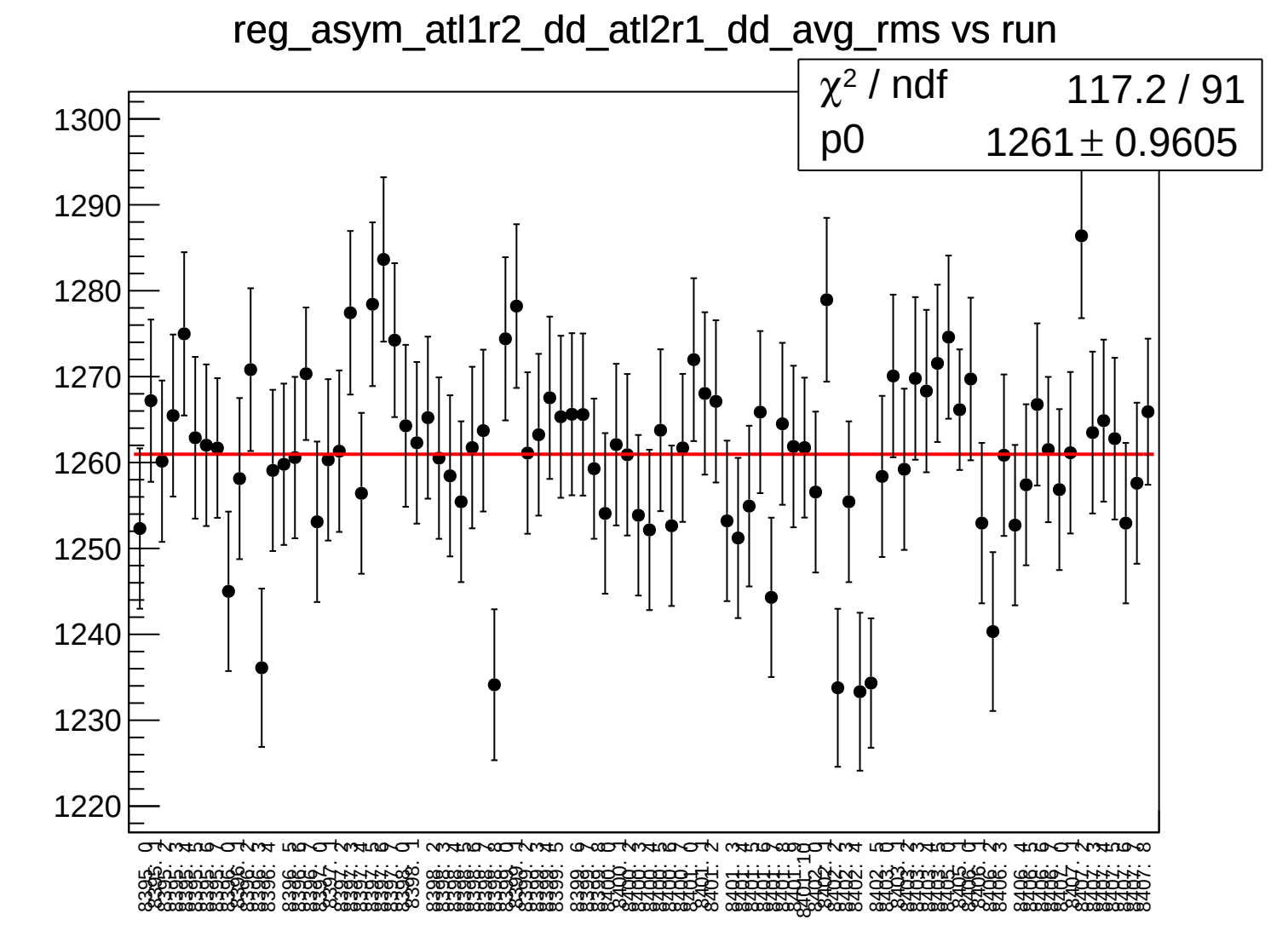

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.8 / 91
p0 0.2458 ± 0.1164
pull
Entries 92
Mean 498.1
Std Dev 0
pull1D
Entries 92
Mean −0.008446
Std Dev 1.057

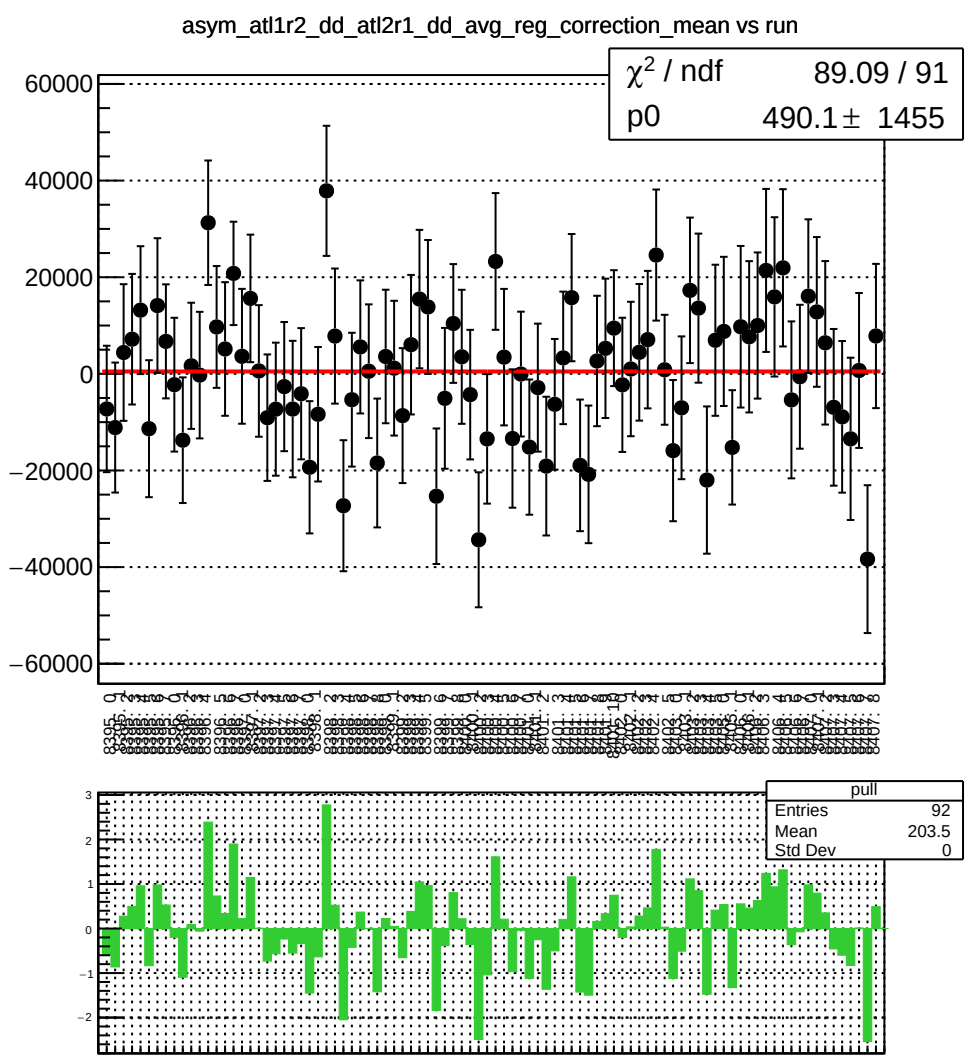

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.029e+04 / 91
p0 107.1 ± 0.08231
160
140
120
100
80

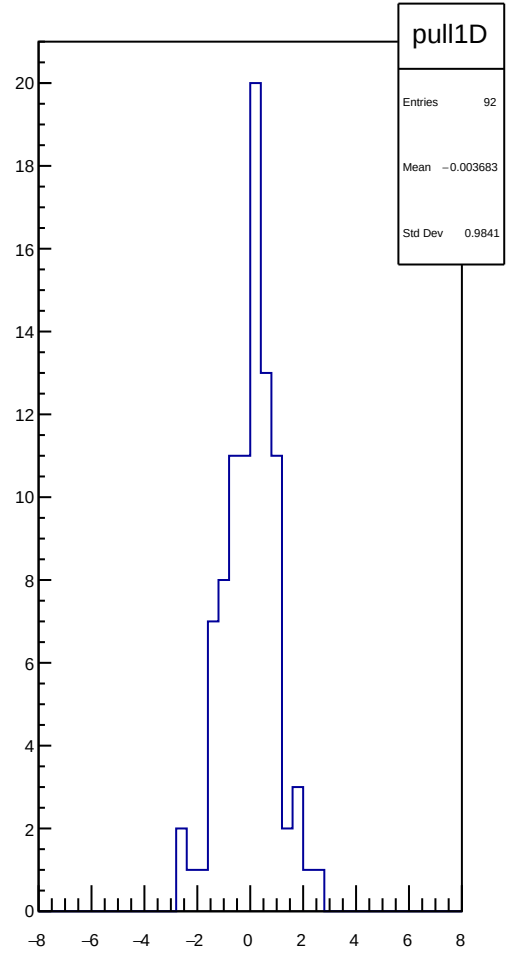

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.74 / 91
p0 3.585e−13 ± 3.372e−13
60
40
20
0
−20
−40
pull
Entries 92
Mean 89.36
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.02853
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

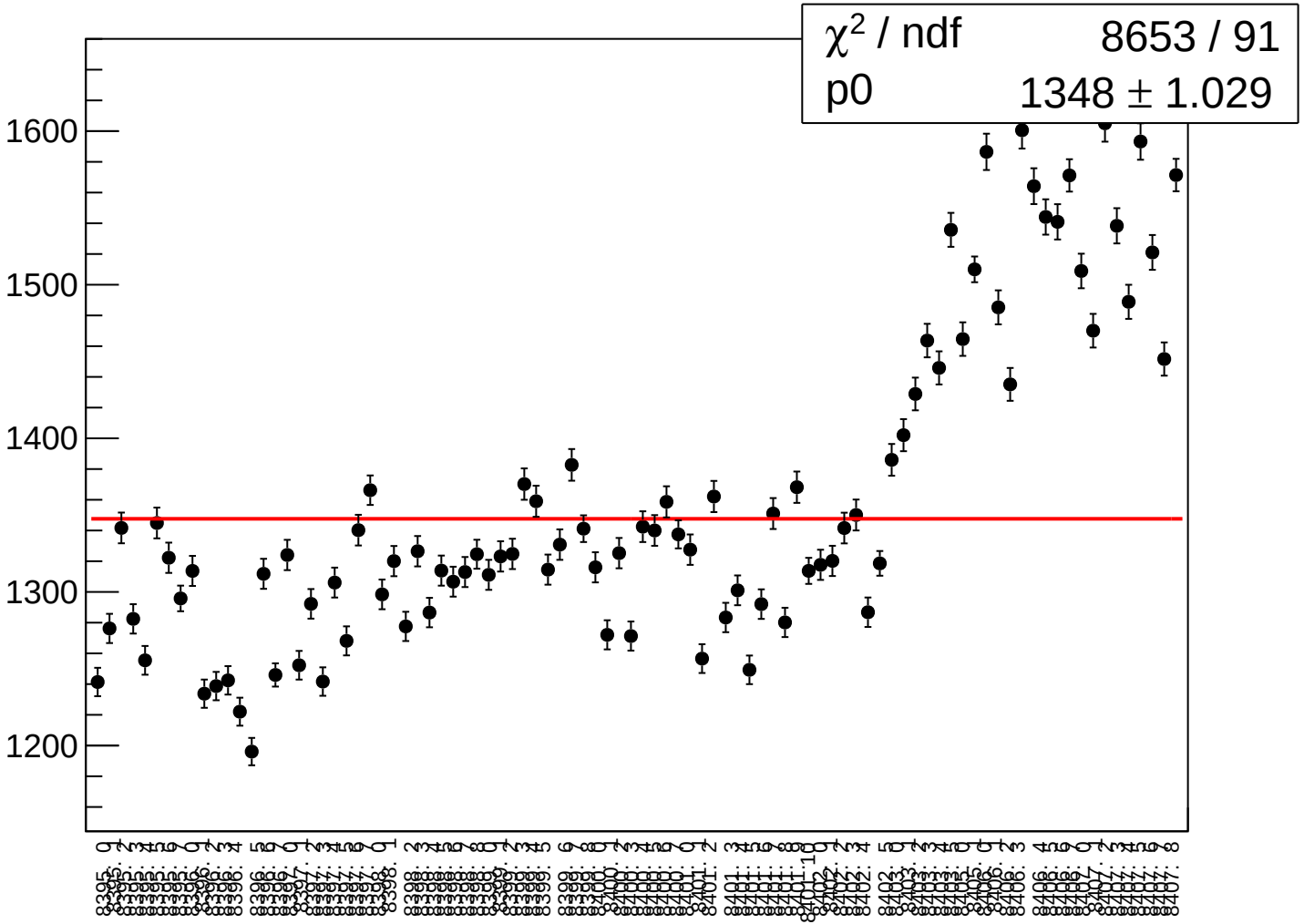

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.842e+05 / 91
p0 2.431e−10 ± 2.385e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

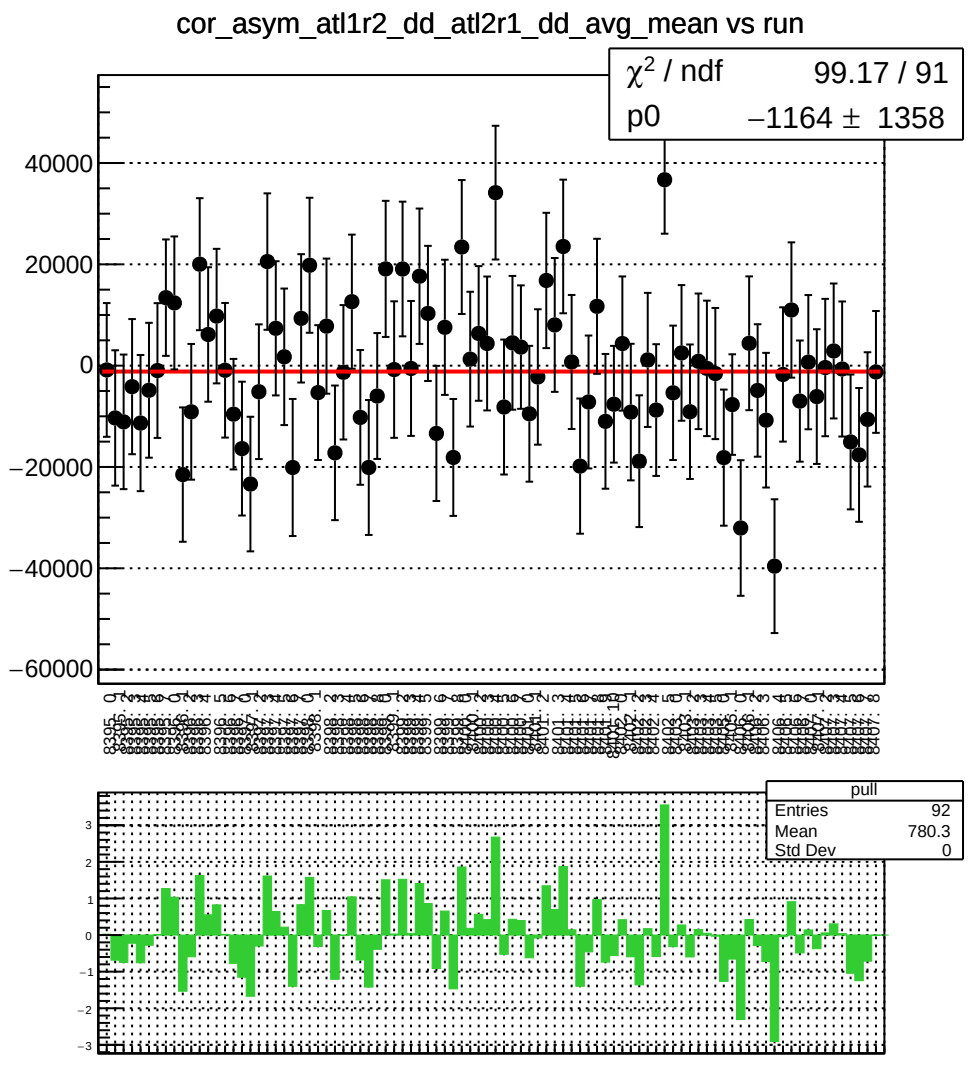

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 99.17 / 91
p0 −1164 ± 1358
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 780.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.004512
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

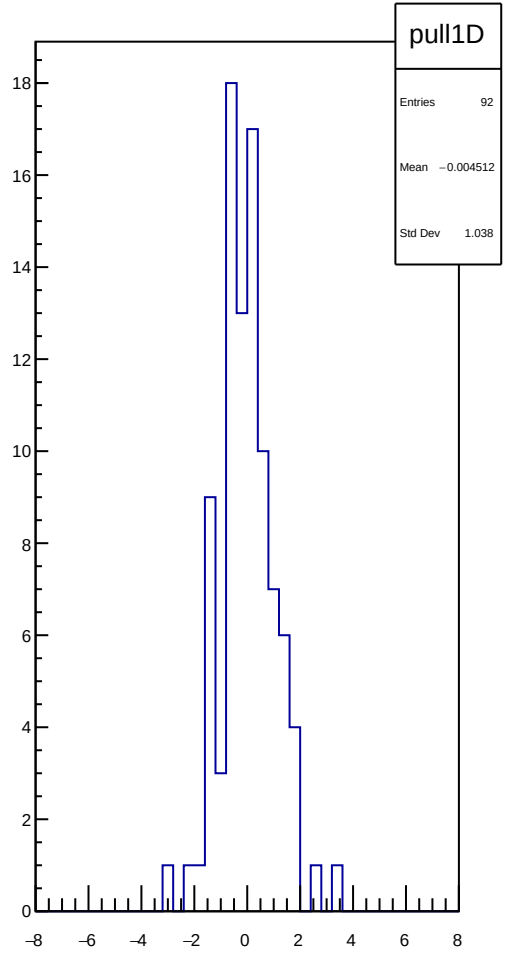

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 117.2 / 91
p0 1261 ± 0.9605
1300
1290
1280
1270
1260
1250
1240
1230
1220

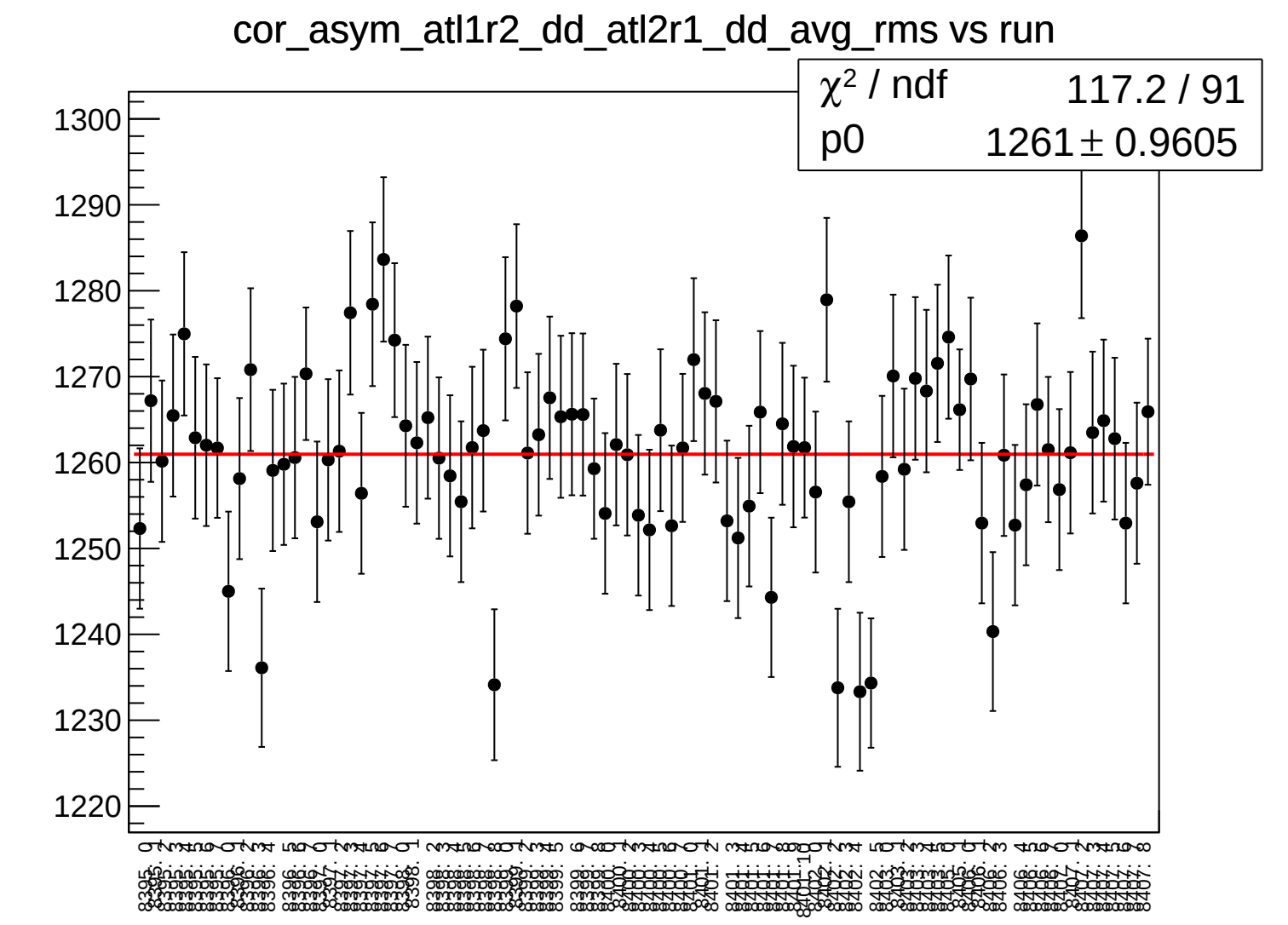

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 89.09 / 91
p0 490.1 ± 1455
pull
Entries 92
Mean 203.5
Std Dev 0

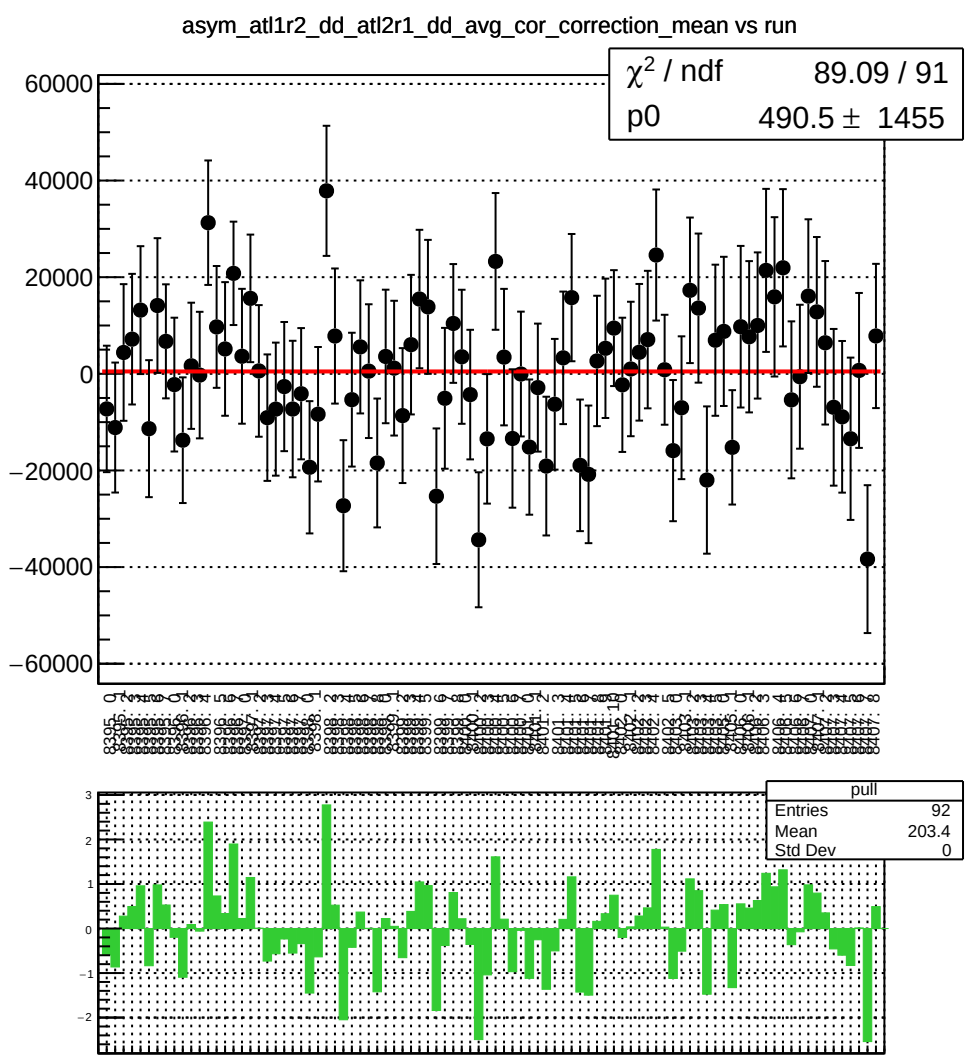

pull1D
Entries 92
Mean −0.003683
Std Dev 0.9841

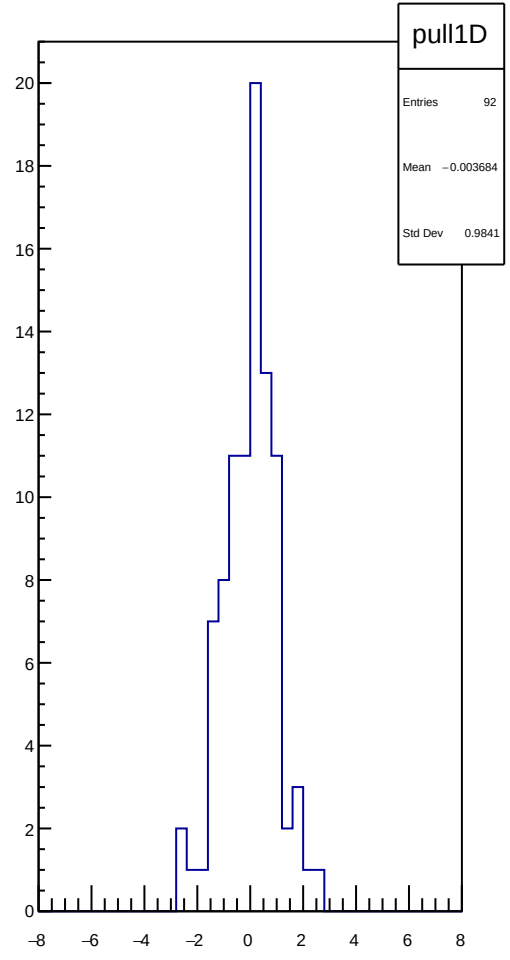

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 8653 / 91
p0 1348 ± 1.029
1600
1500
1400
1300
1200

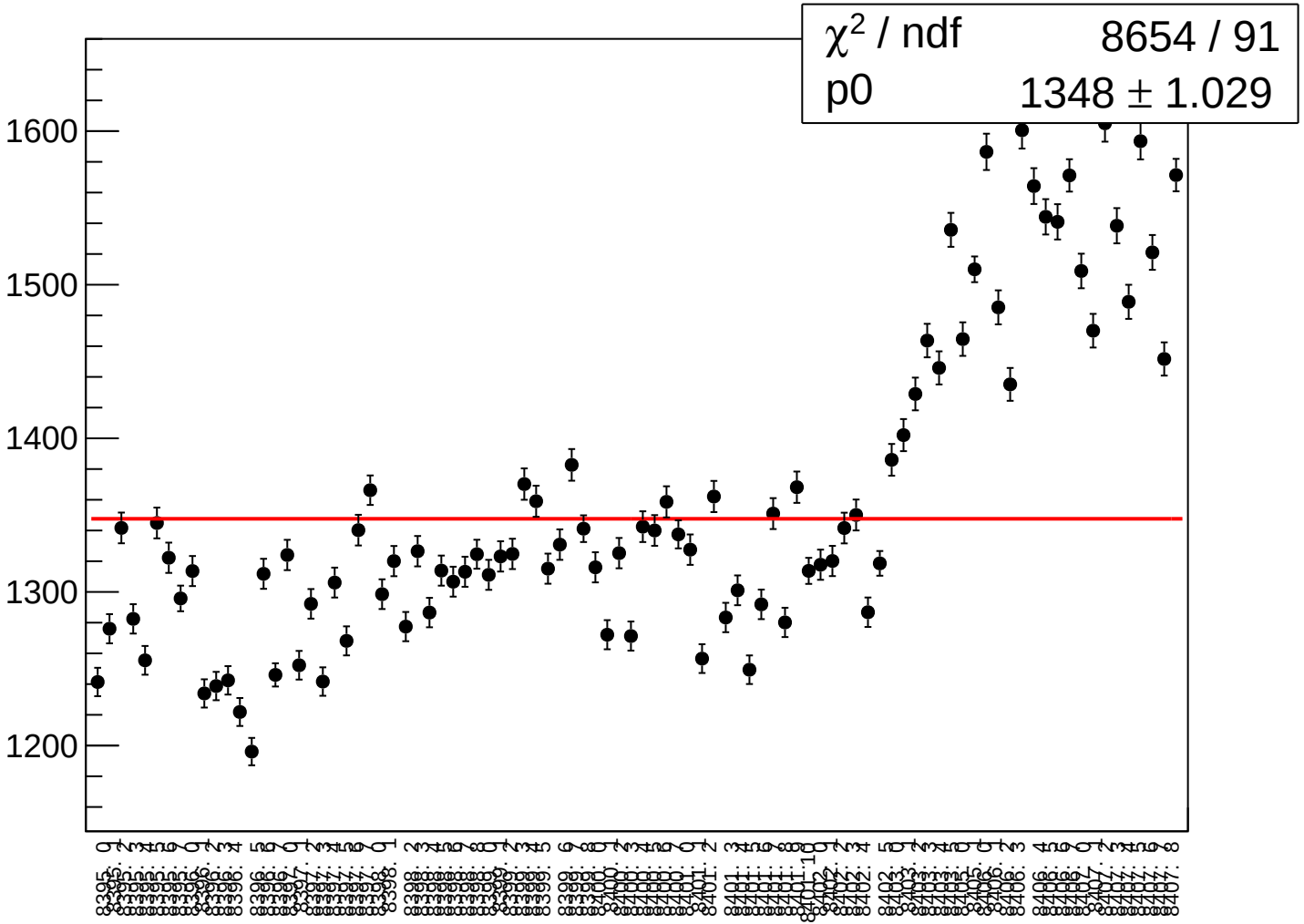

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 99.17 / 91
p0 −1164 ± 1358
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 780.3
Std Dev 0
3
2
1
0
−1
−2
−3

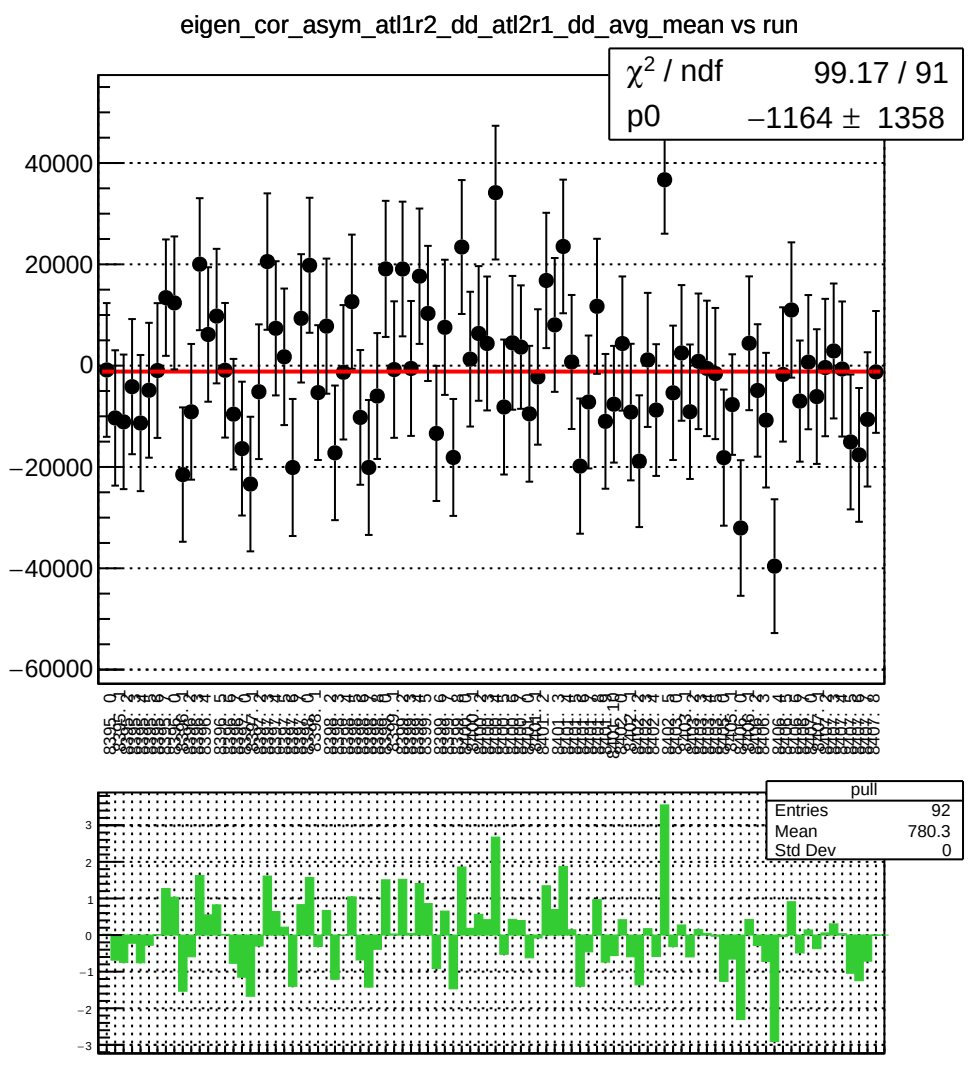

pull1D
Entries 92
Mean −0.004512
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

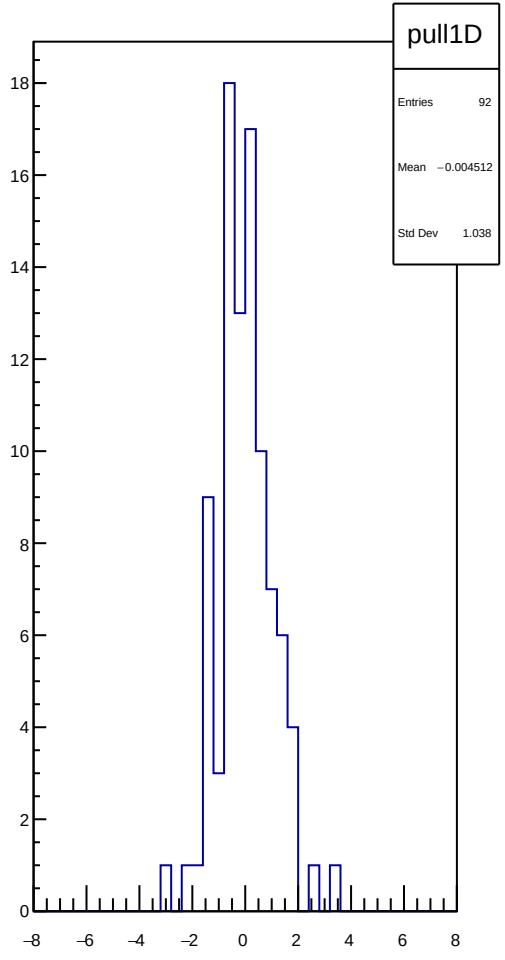

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 117.2 / 91
p0 1261 ± 0.9605
1300
1290
1280
1270
1260
1250
1240
1230
1220

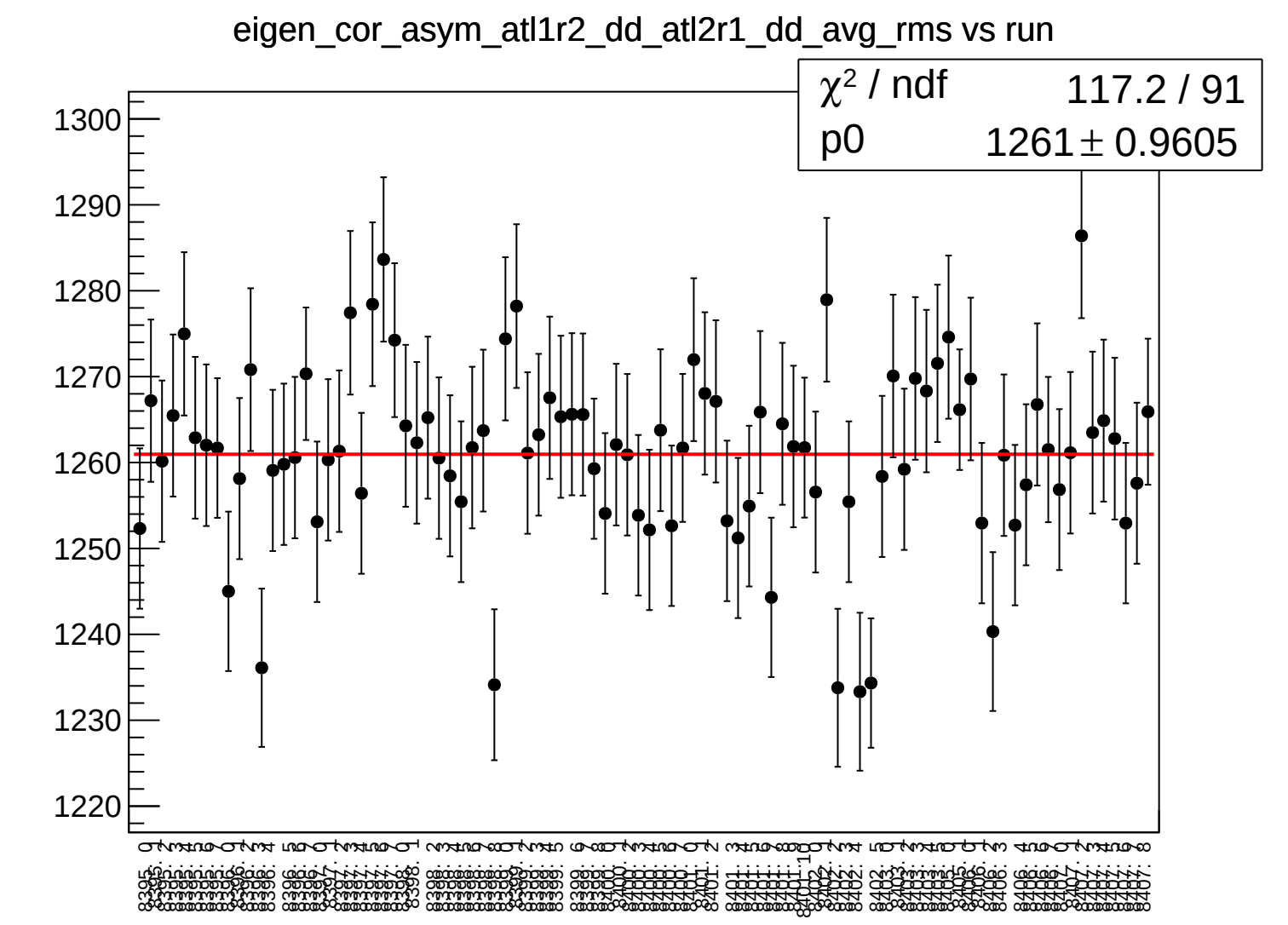

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 89.09 / 91
p0 490.5 ± 1455
pull
Entries 92
Mean 203.4
Std Dev 0

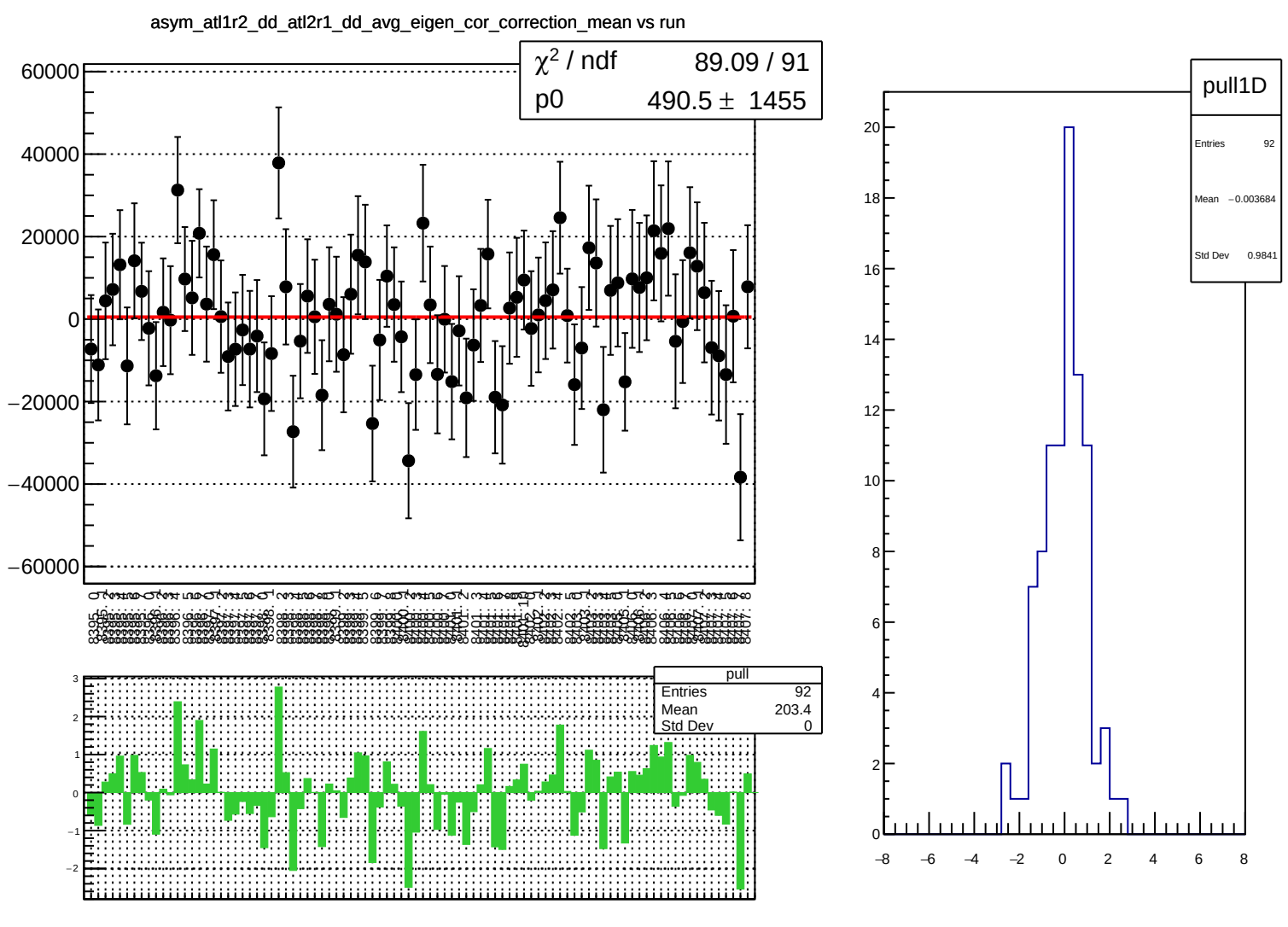

pull1D
Entries 92
Mean −0.003684
Std Dev 0.9841

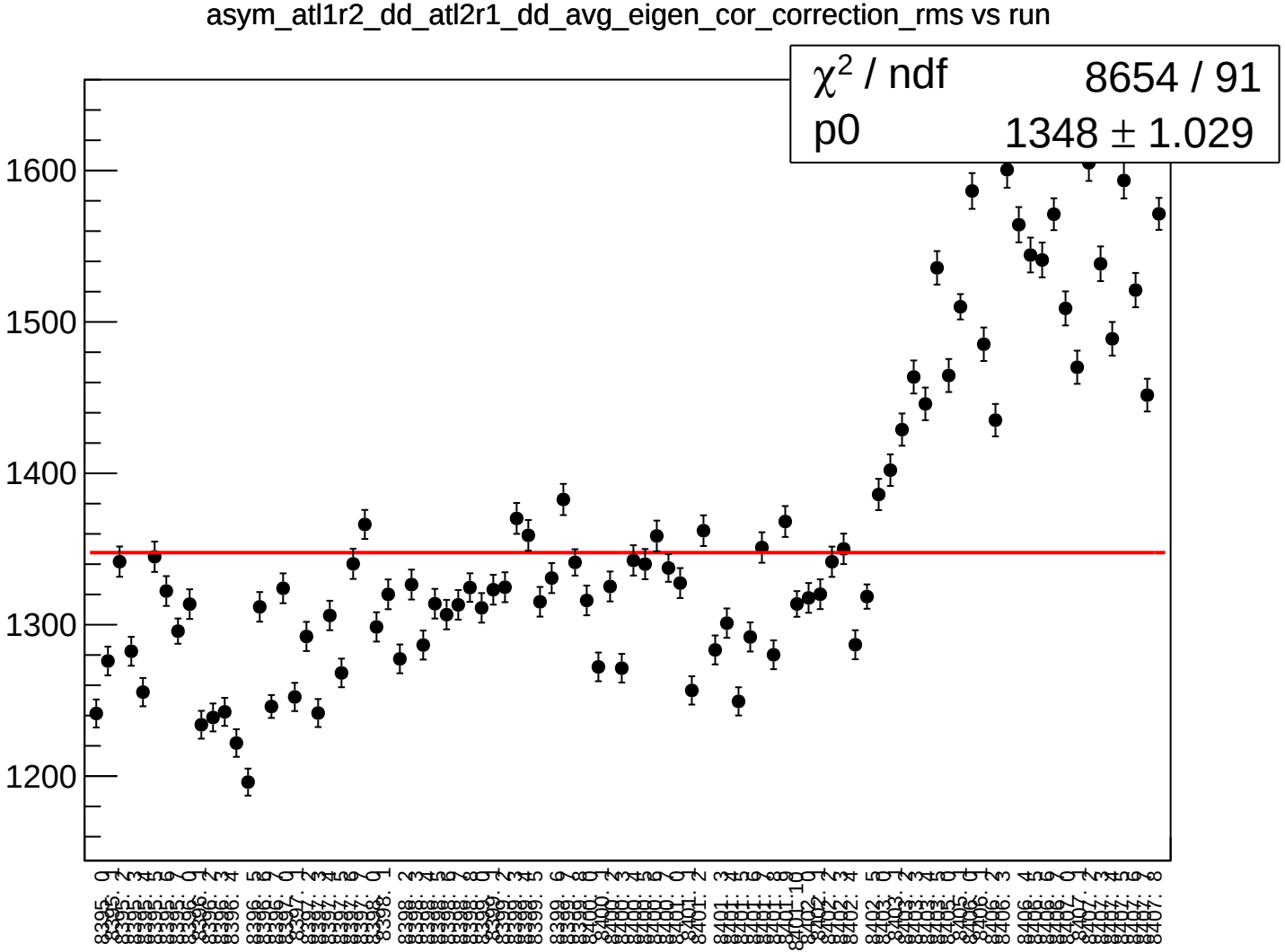

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 8654 / 91
p0 1348 ± 1.029
1600
1500
1400
1300
1200

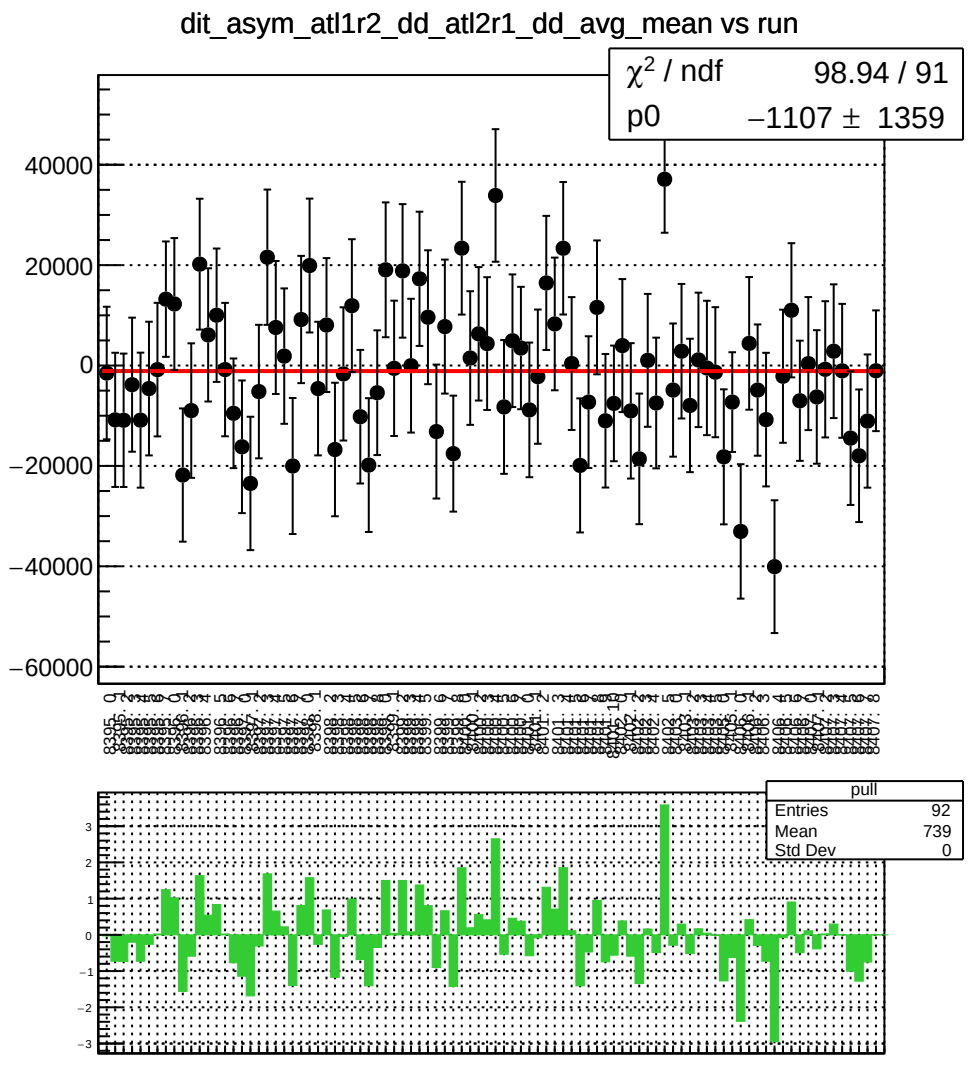

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 99.17 / 91
p0 −1164 ± 1358
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 780.3
Std Dev 0
3
2
1
0
−1
−2
−3

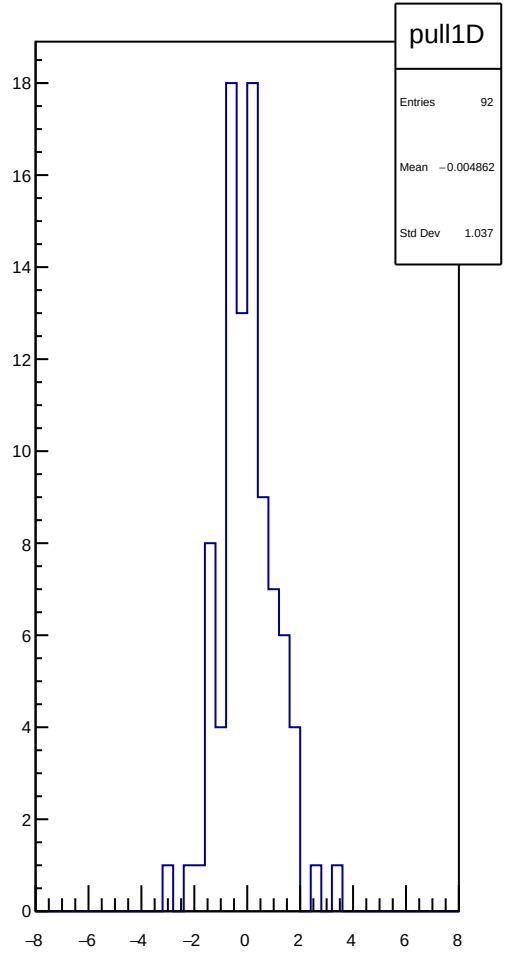

pull1D
Entries 92
Mean −0.004512
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

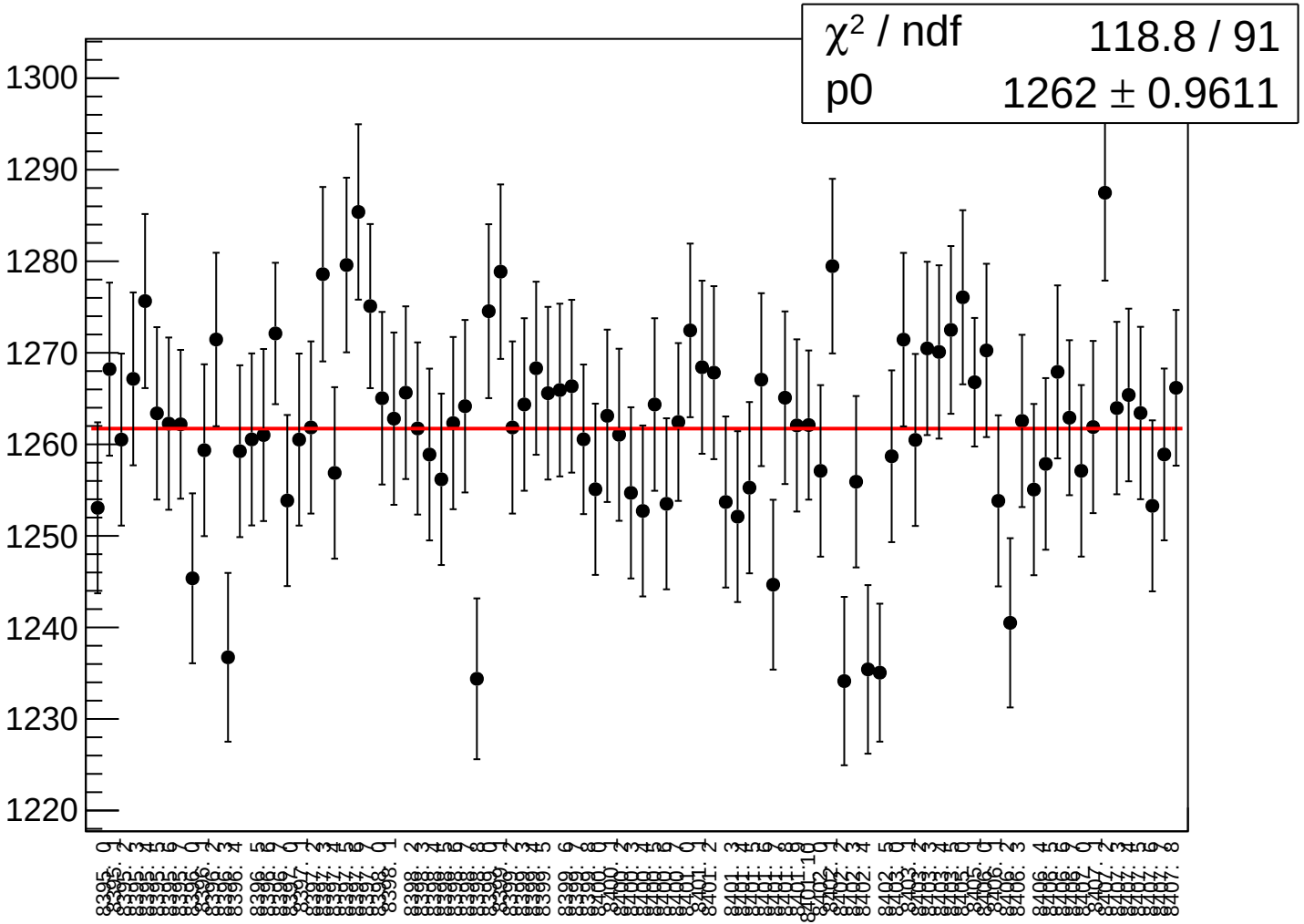

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 117.2 / 91
p0 1261 ± 0.9605
1300
1290
1280
1270
1260
1250
1240
1230
1220

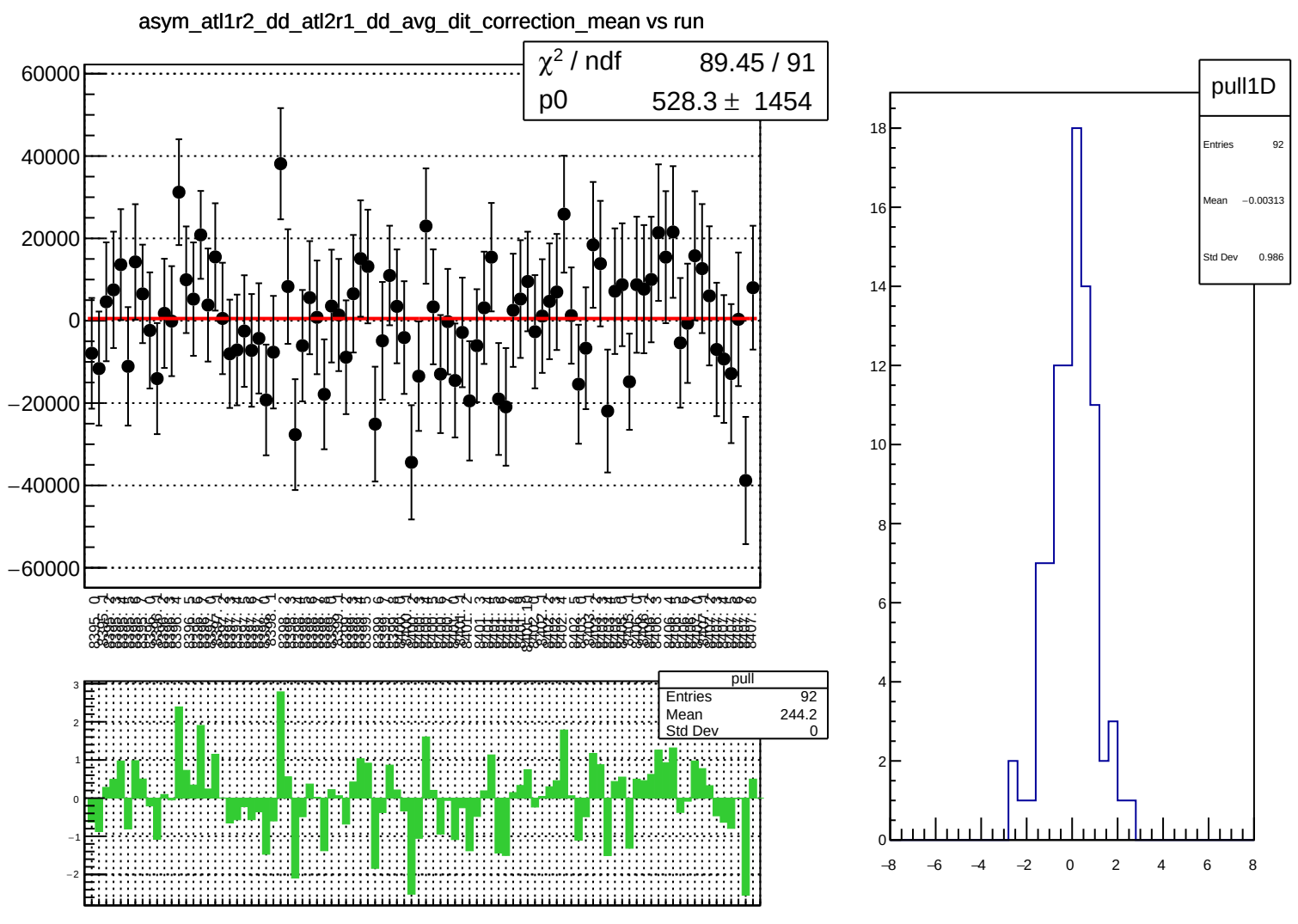

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 89.09 / 91
p0 490.5 ± 1455
pull
Entries 92
Mean 203.4
Std Dev 0
pull1D
Entries 92
Mean −0.003684
Std Dev 0.9841

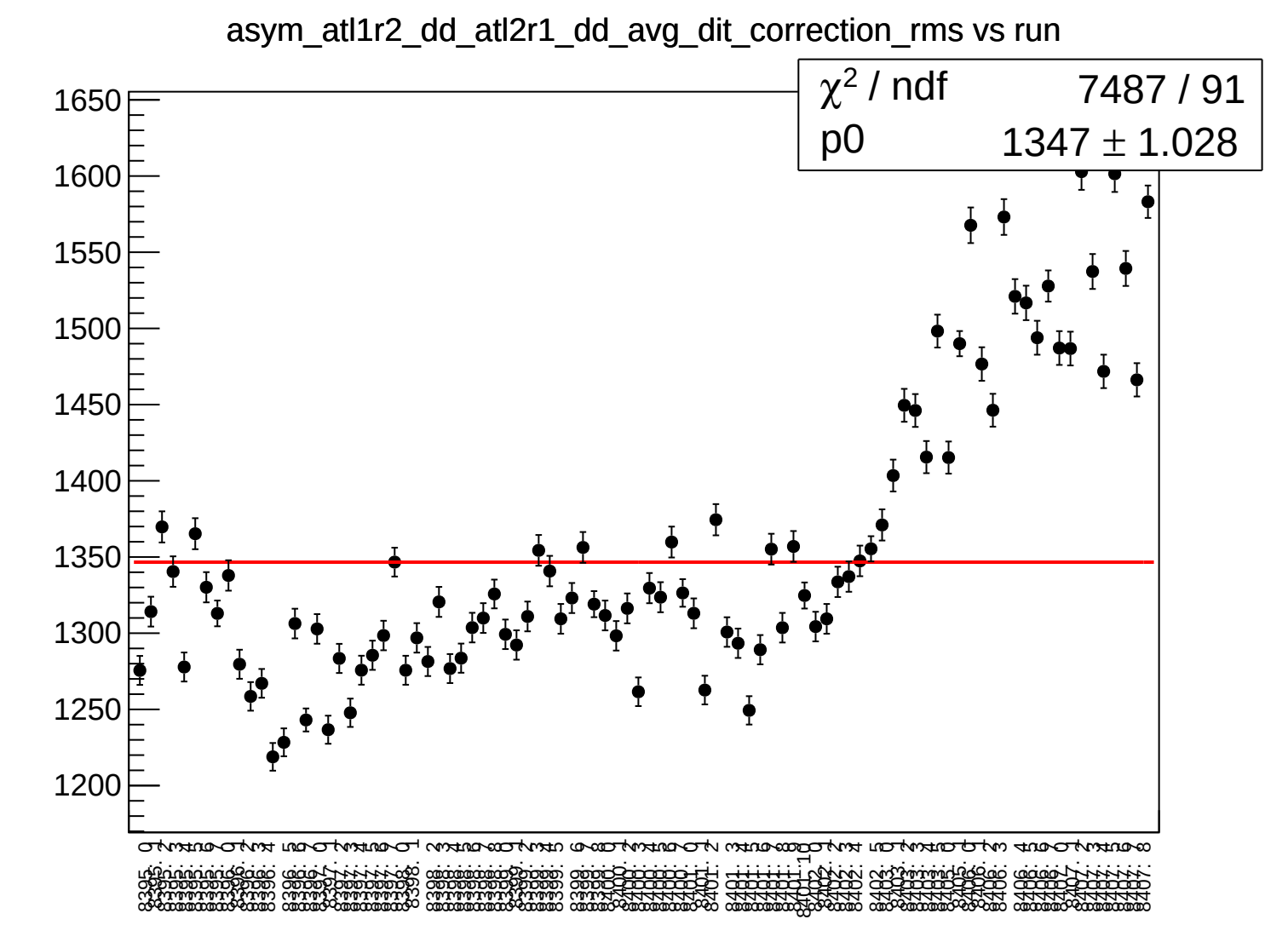

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 8654 / 91
p0 1348 ± 1.029
1600
1500
1400
1300
1200

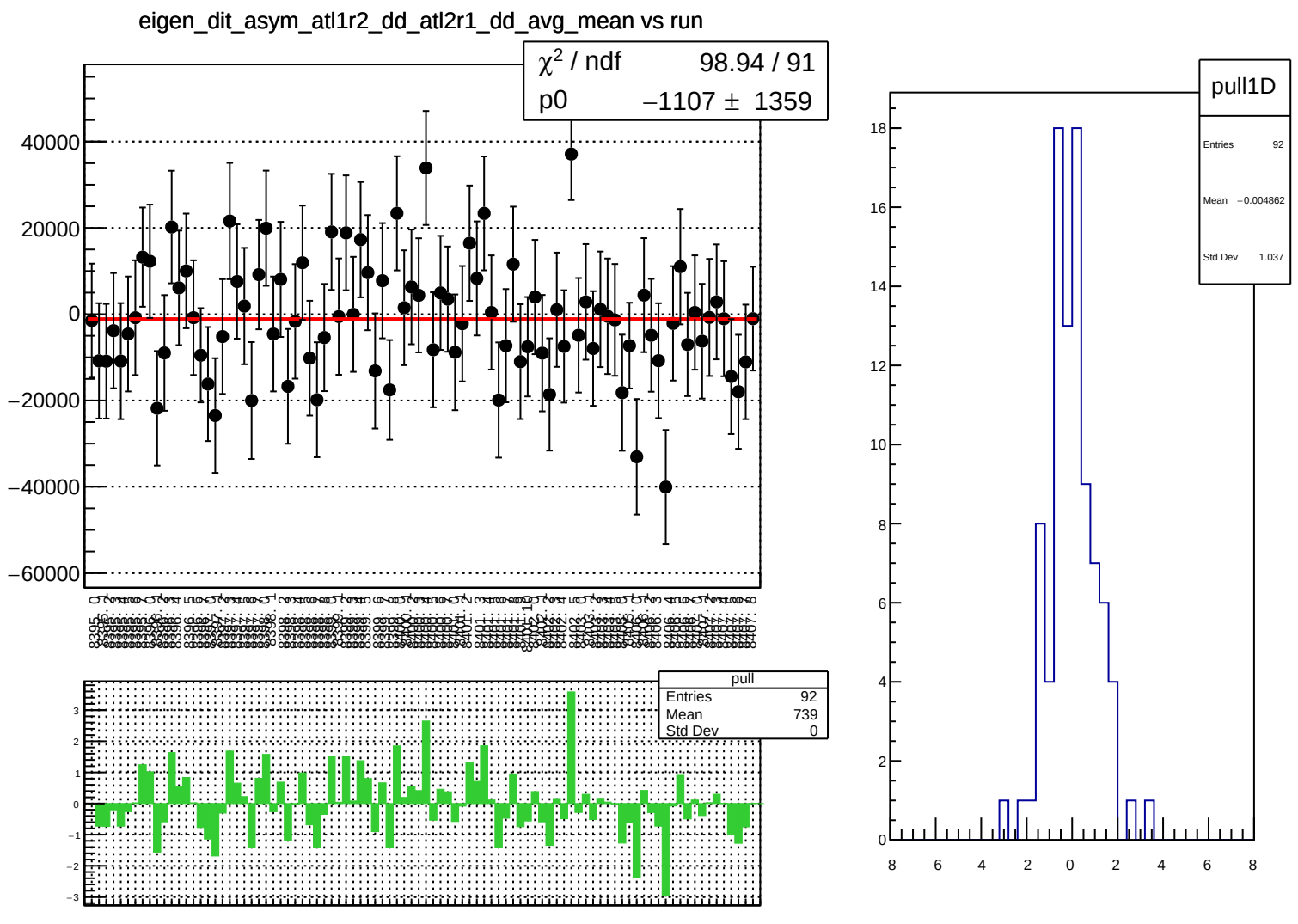

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 98.94 / 91
p0 −1107 ± 1359
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 739
Std Dev 0
3
2
1
0
−1
−2
−3

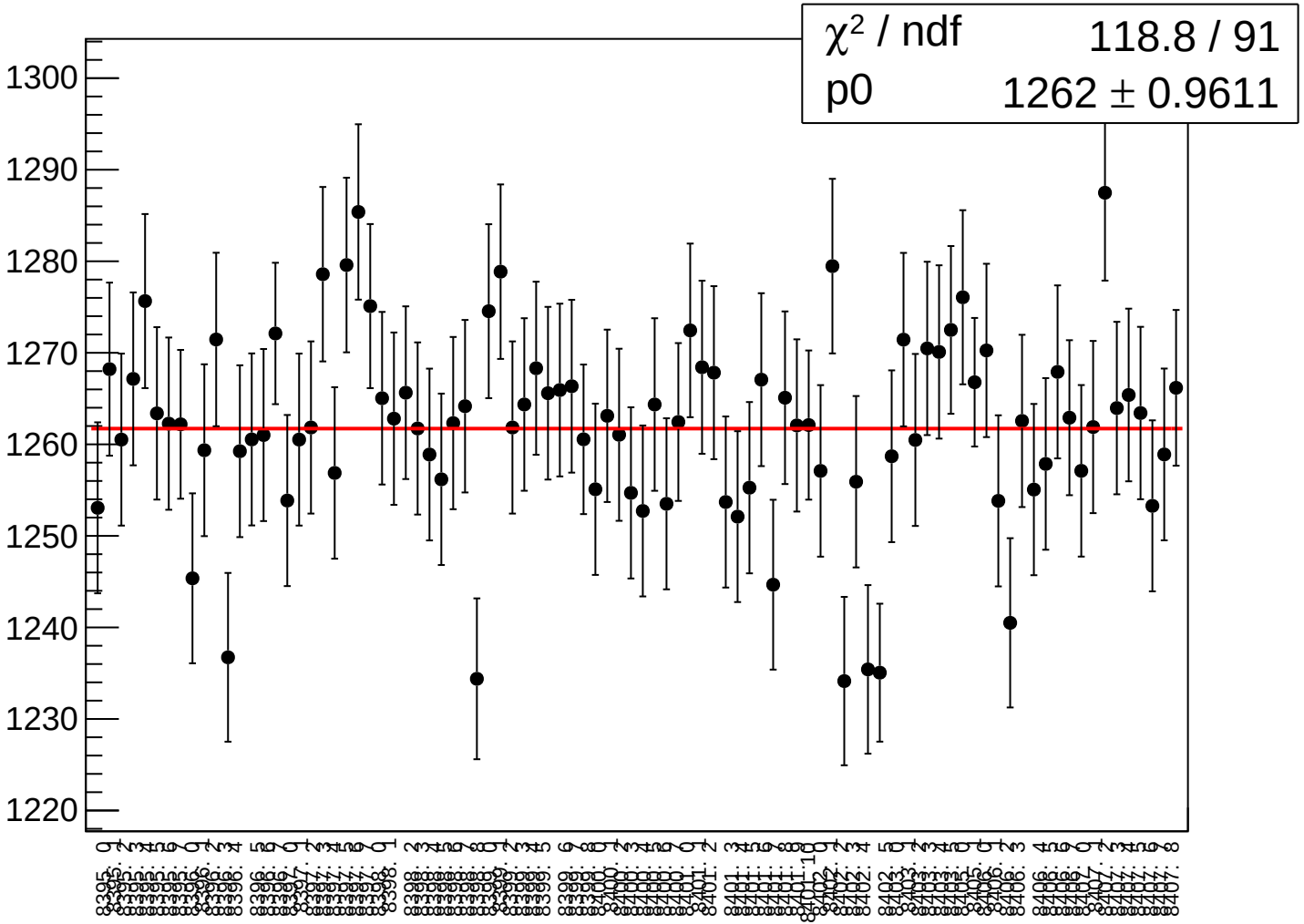

pull1D
Entries 92
Mean −0.004862
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

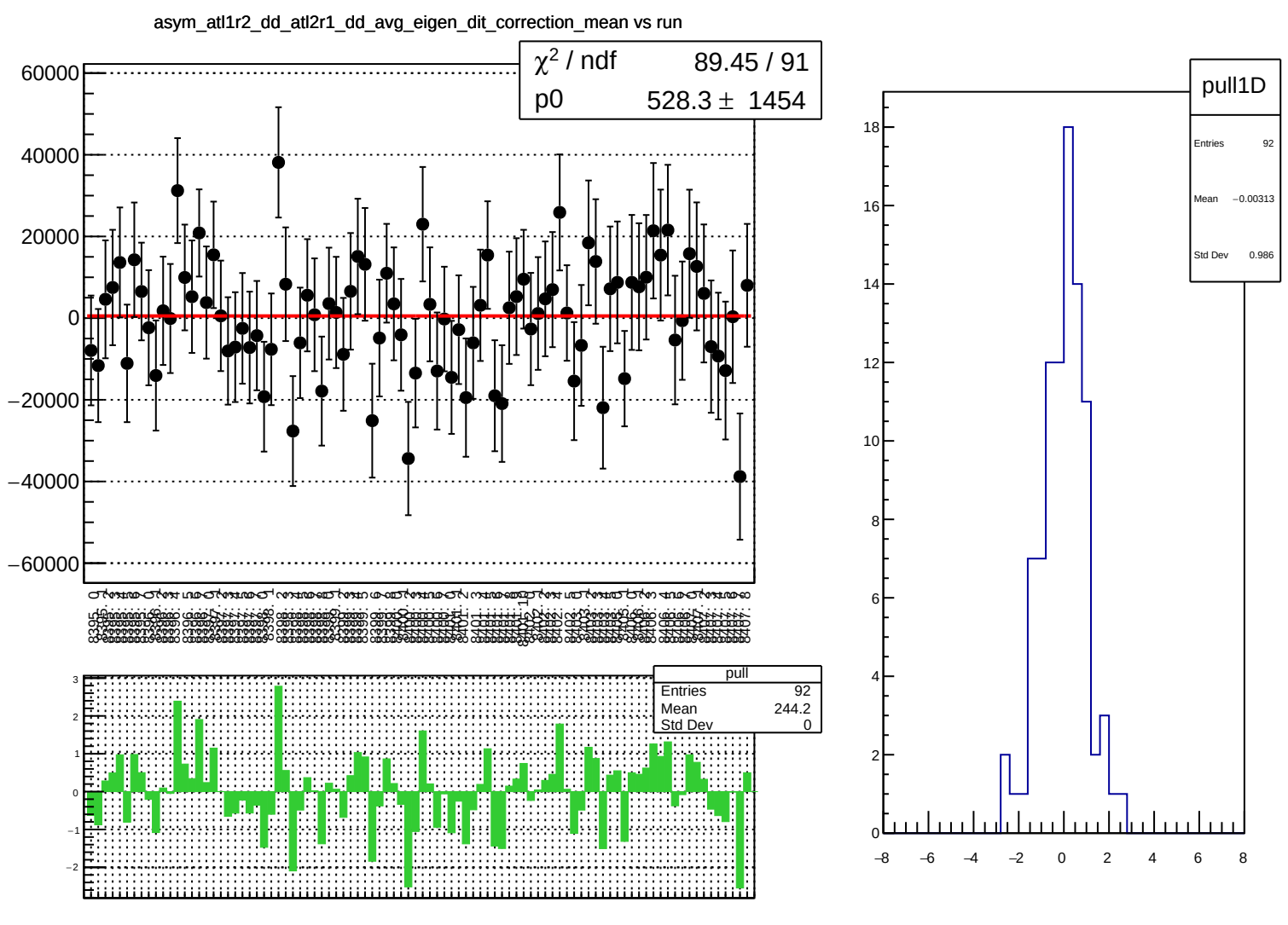

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 118.8 / 91
p0 1262 ± 0.9611
1300
1290
1280
1270
1260
1250
1240
1230
1220

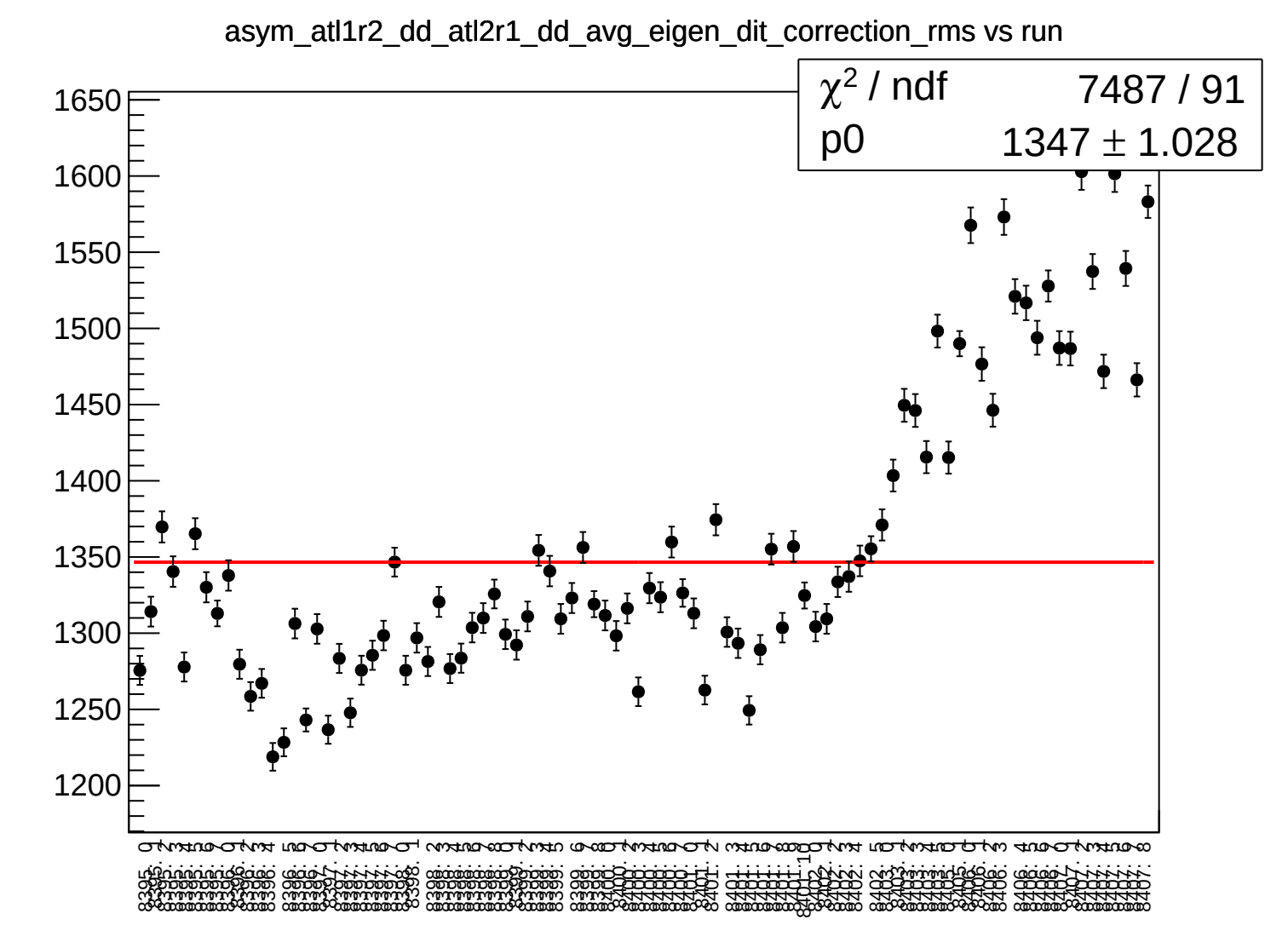

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 89.45 / 91
p0 528.3 ± 1454
pull
Entries 92
Mean 244.2
Std Dev 0
pull1D
Entries 92
Mean −0.00313
Std Dev 0.986

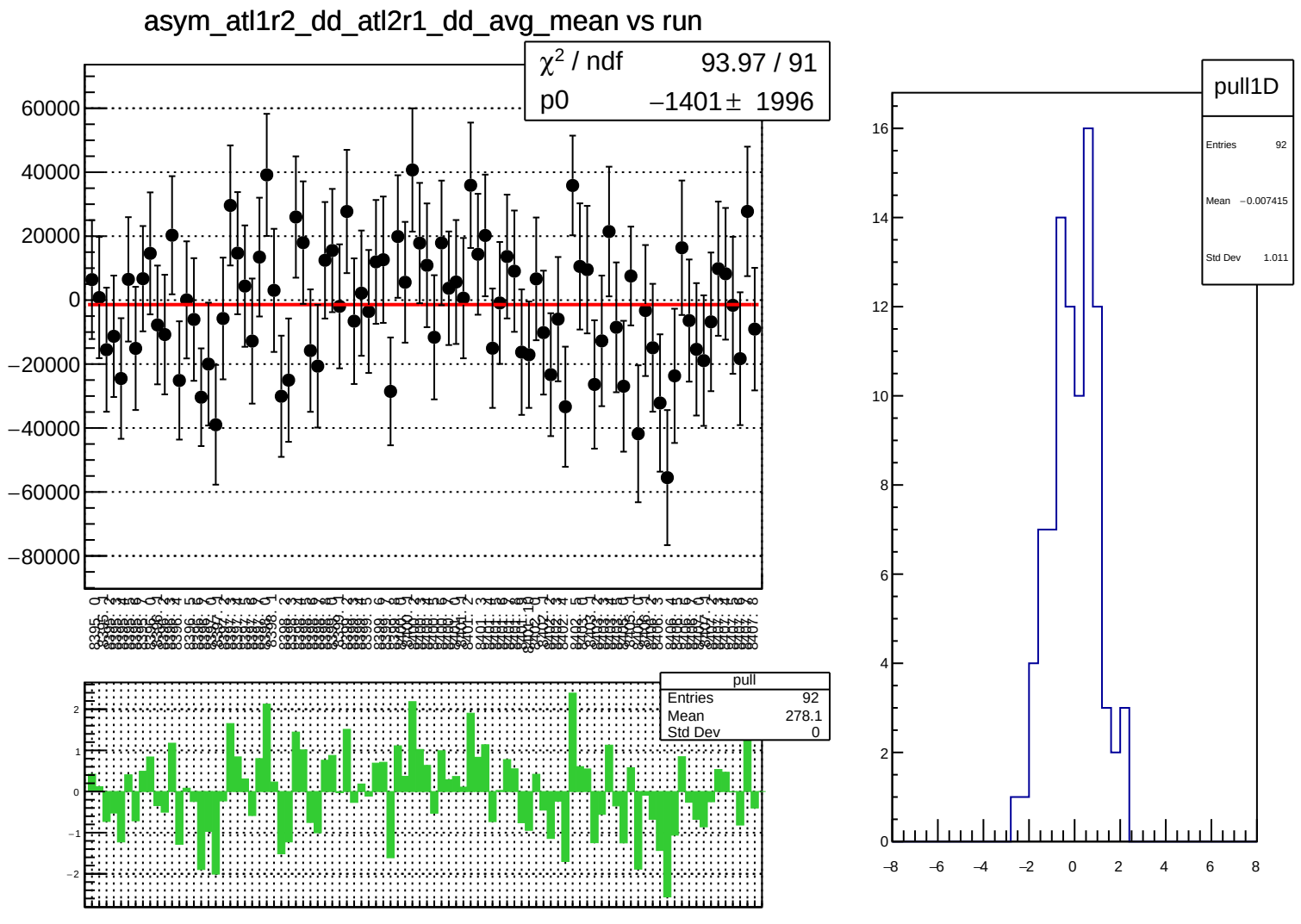

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 7487 / 91
p0 1347 ± 1.028
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

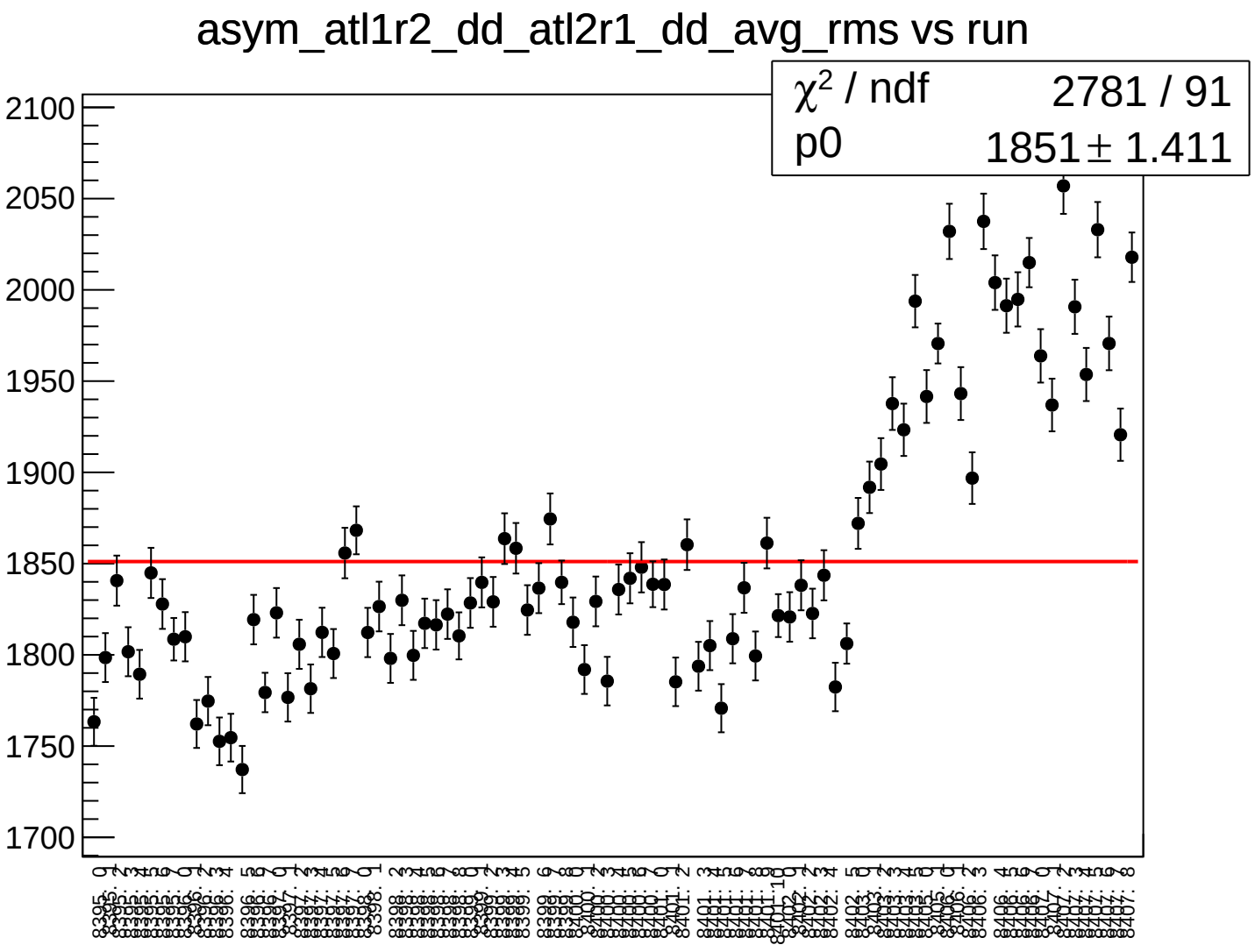

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 98.94 / 91
p0 −1107 ± 1359
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 739
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.004862
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

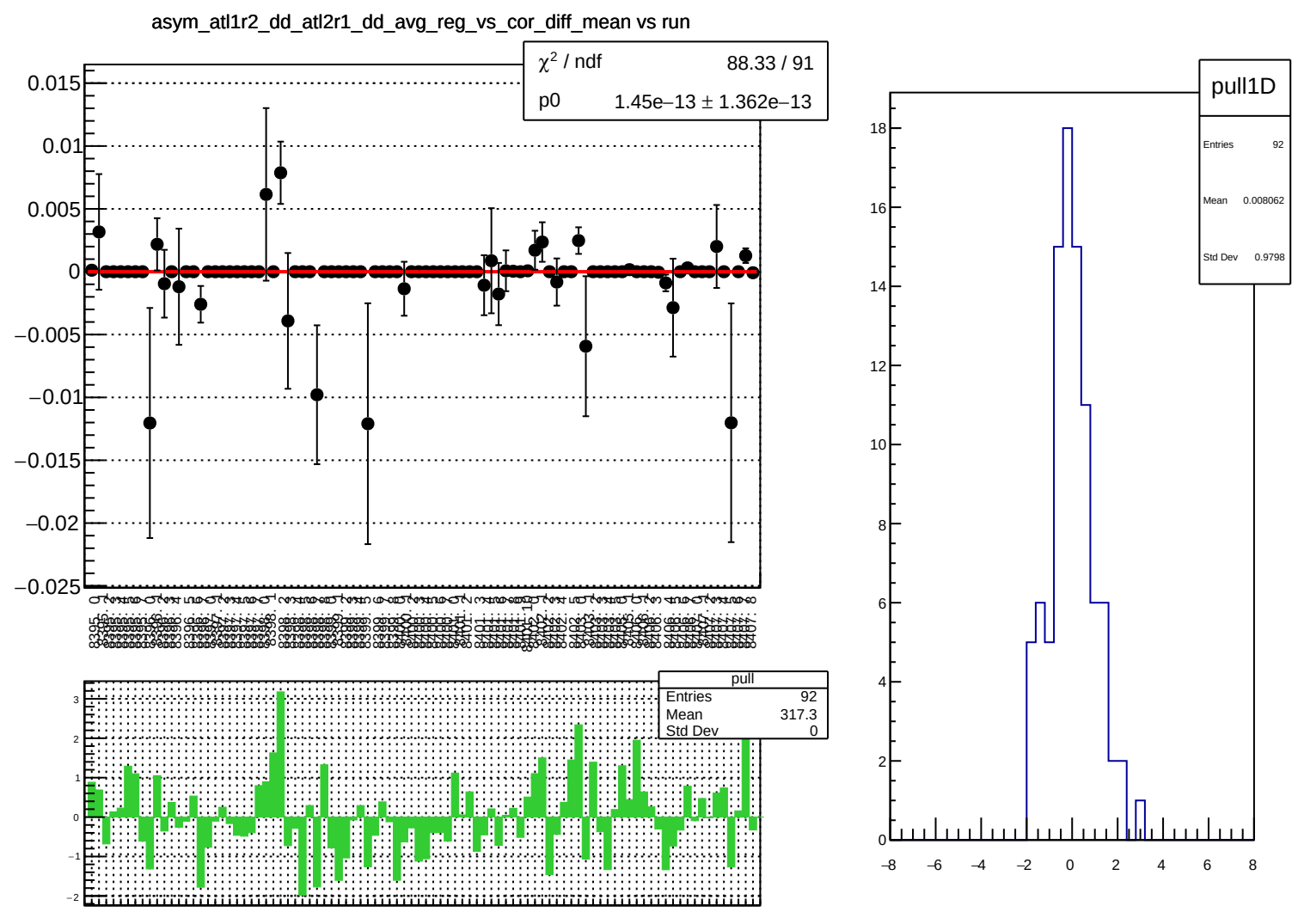

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 118.8 / 91
p0 1262 ± 0.9611
1300
1290
1280
1270
1260
1250
1240
1230
1220

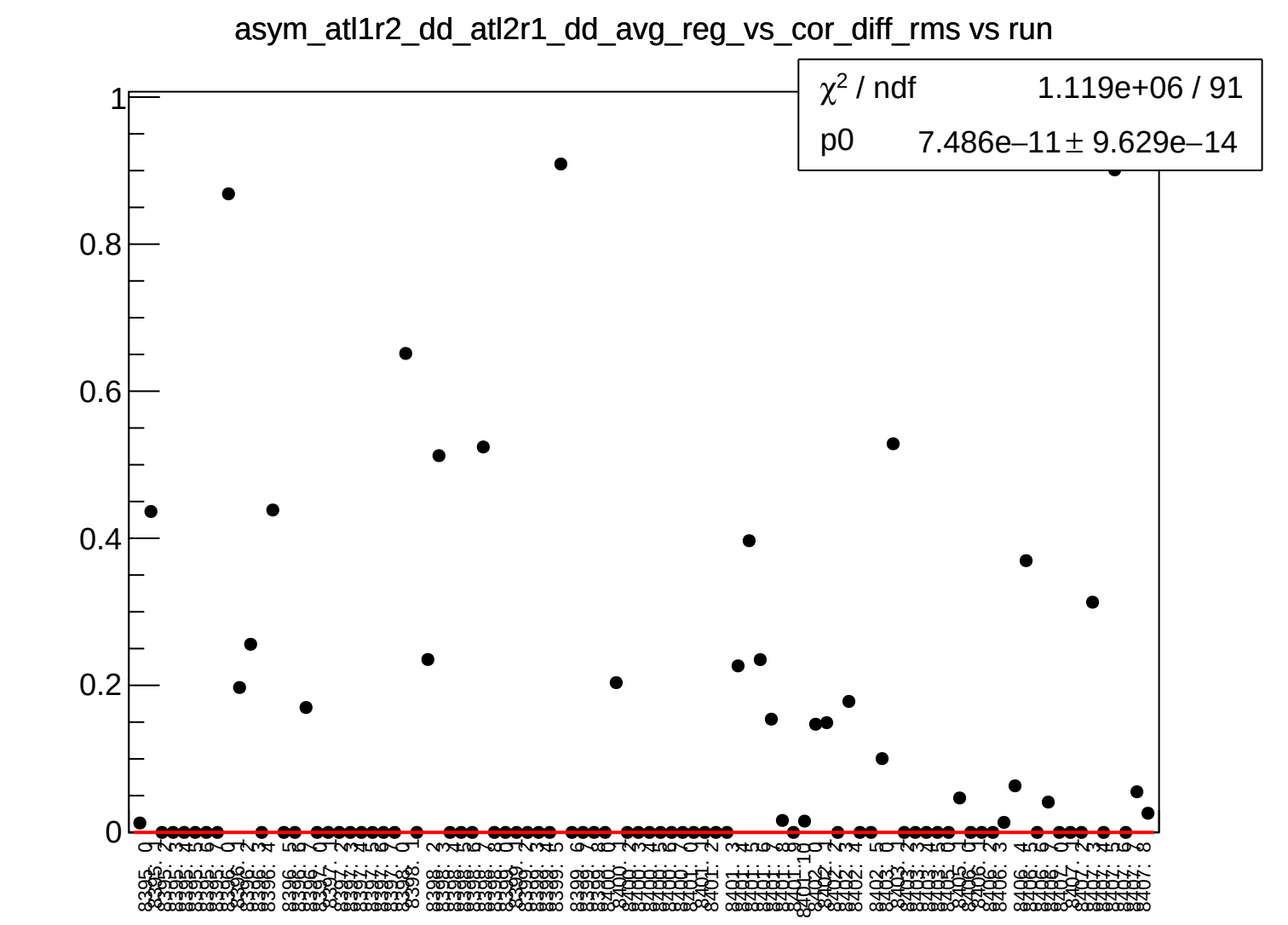

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 89.45 / 91
p0 528.3 ± 1454
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 244.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.00313
Std Dev 0.986
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

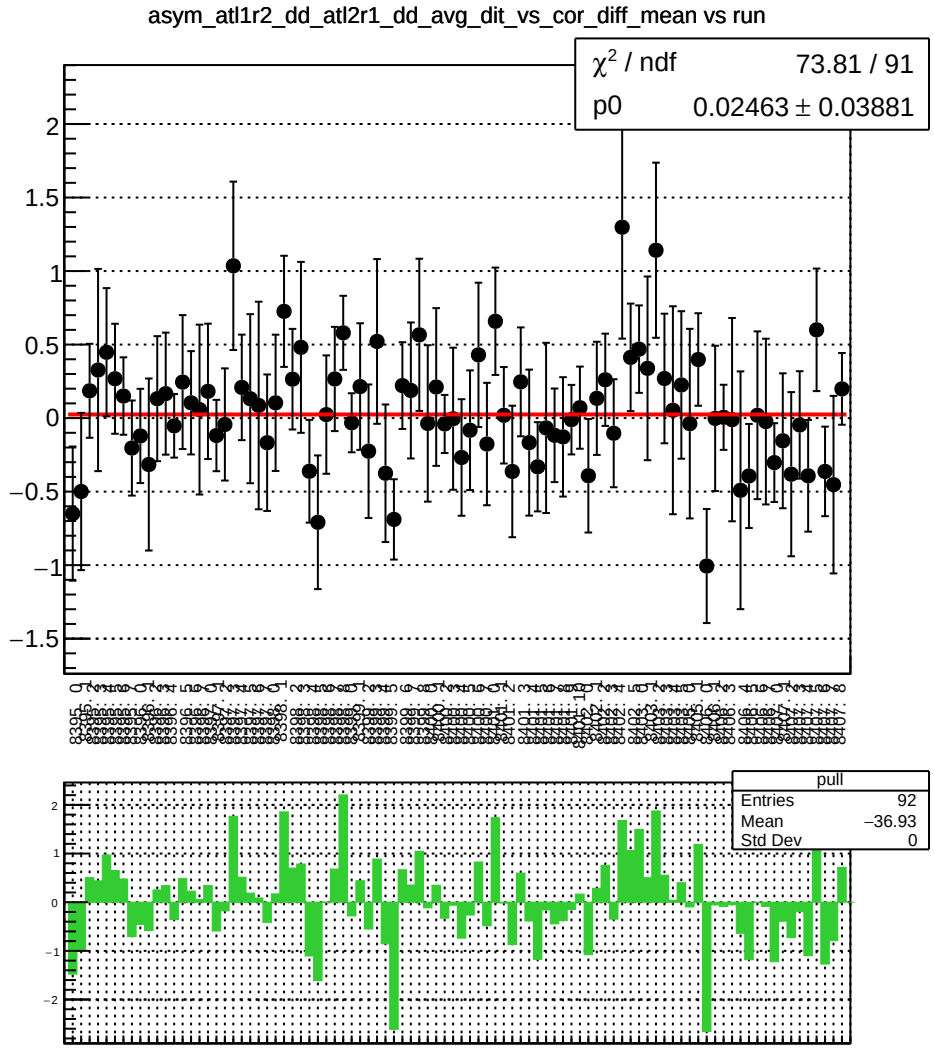

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7487 / 91
p0 1347 ± 1.028
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

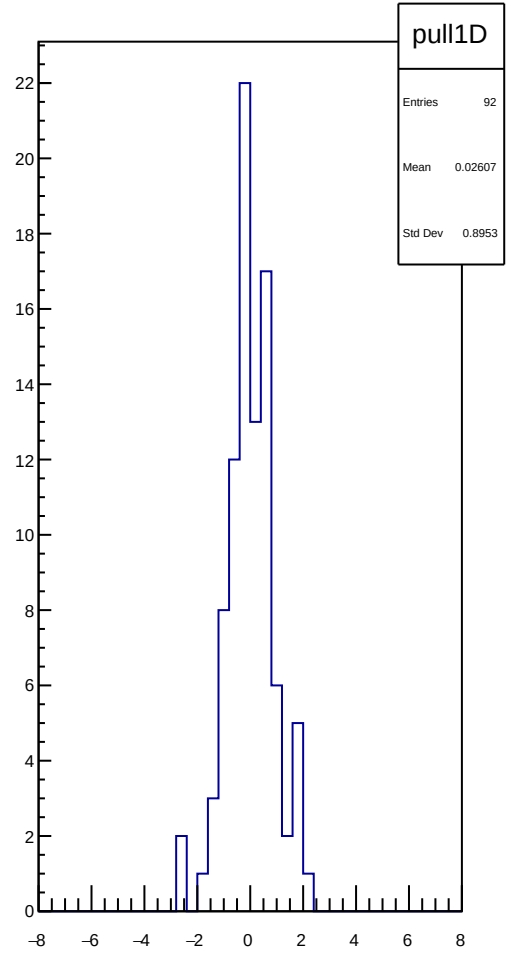

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 93.97 / 91
p0 −1401 ± 1996
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 278.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.007415
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

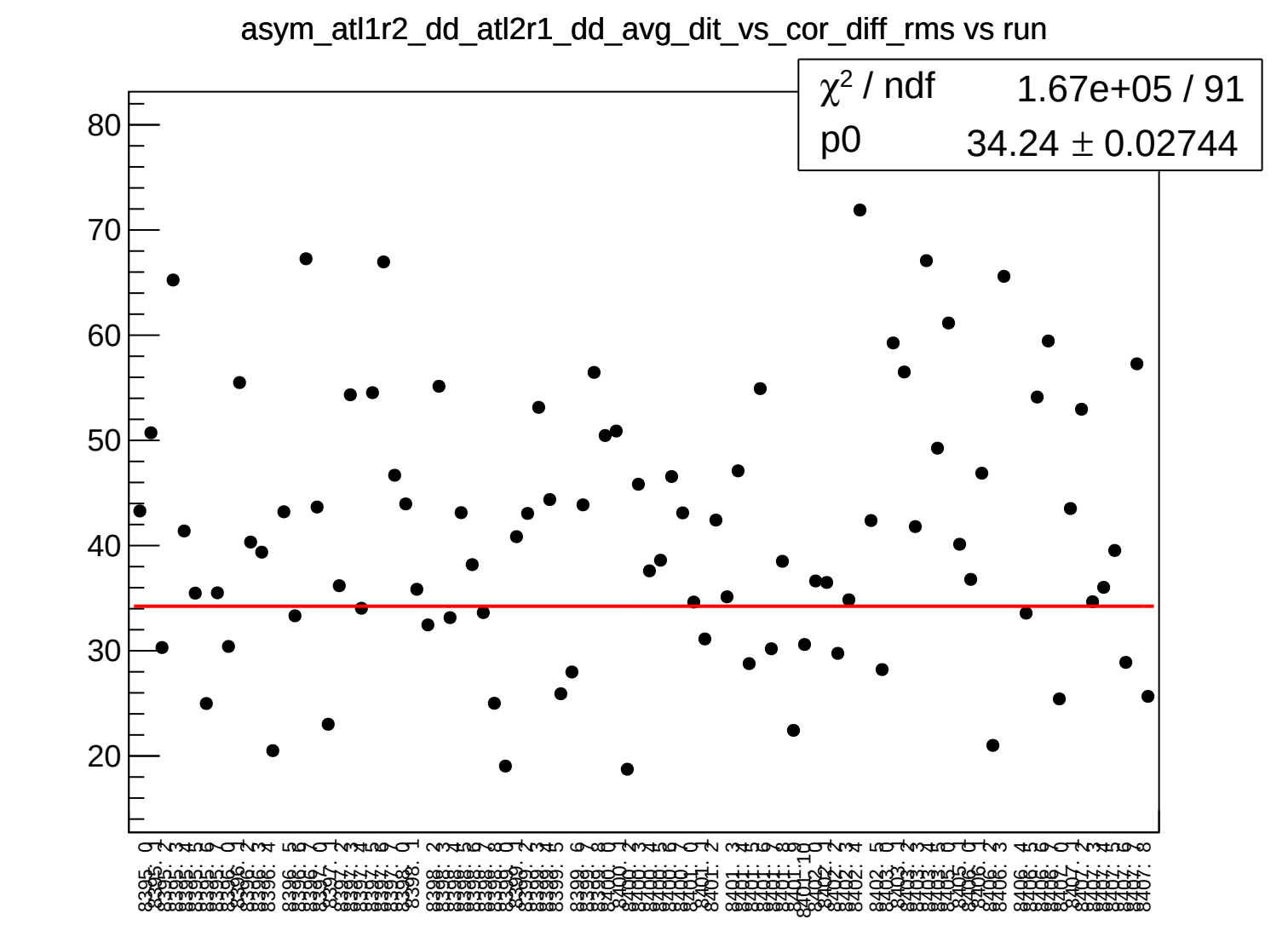

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 2781 / 91
p0 1851 ± 1.411
2100
2050
2000
1950
1900
1850
1800
1750
1700

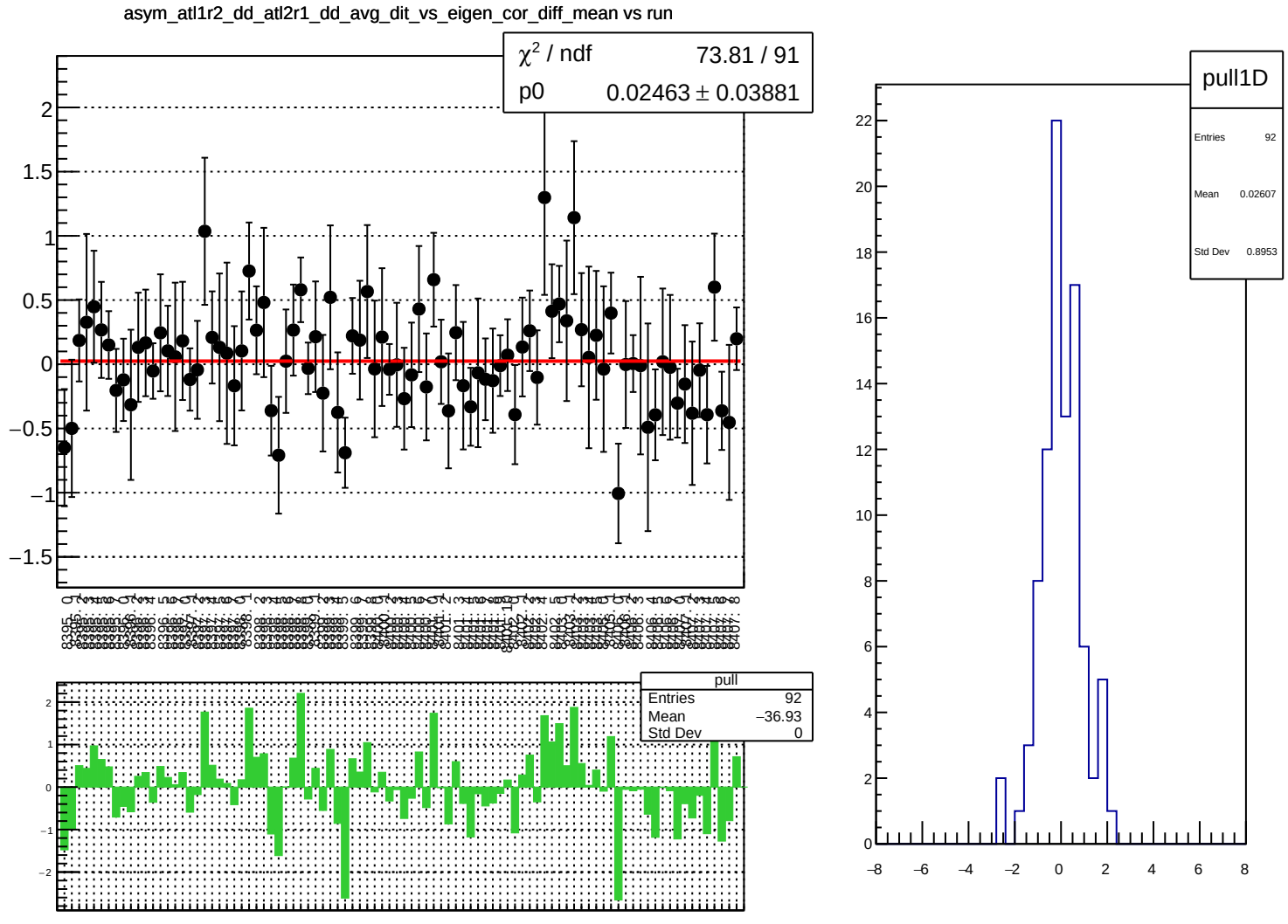

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.33 / 91
p0 1.45e−13 ± 1.362e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 92
Mean 317.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.008062
Std Dev 0.9798
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

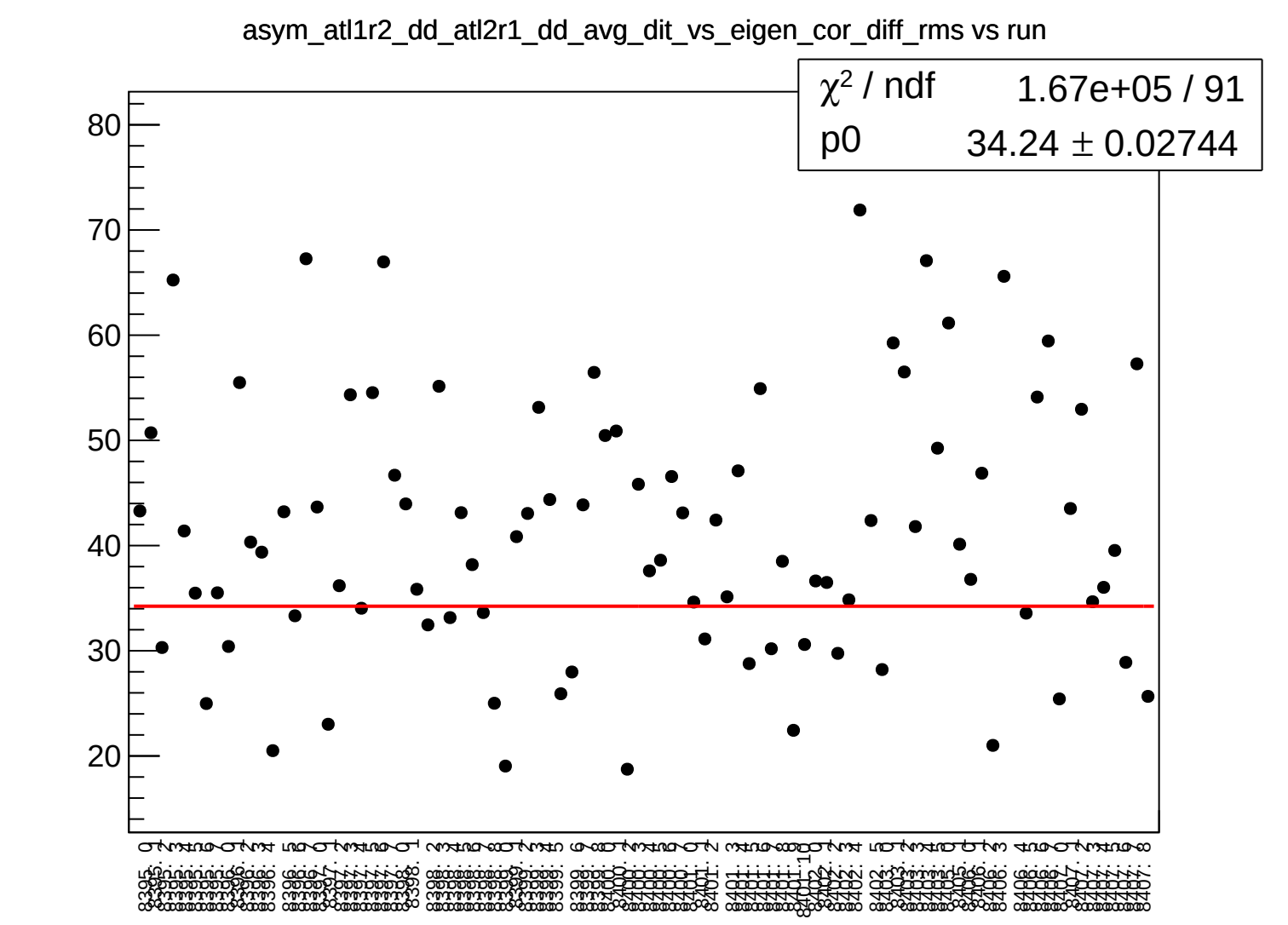

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.119e+06 / 91
p0 7.486e−11 ± 9.629e−14
1
0.8
0.6
0.4
0.2
0

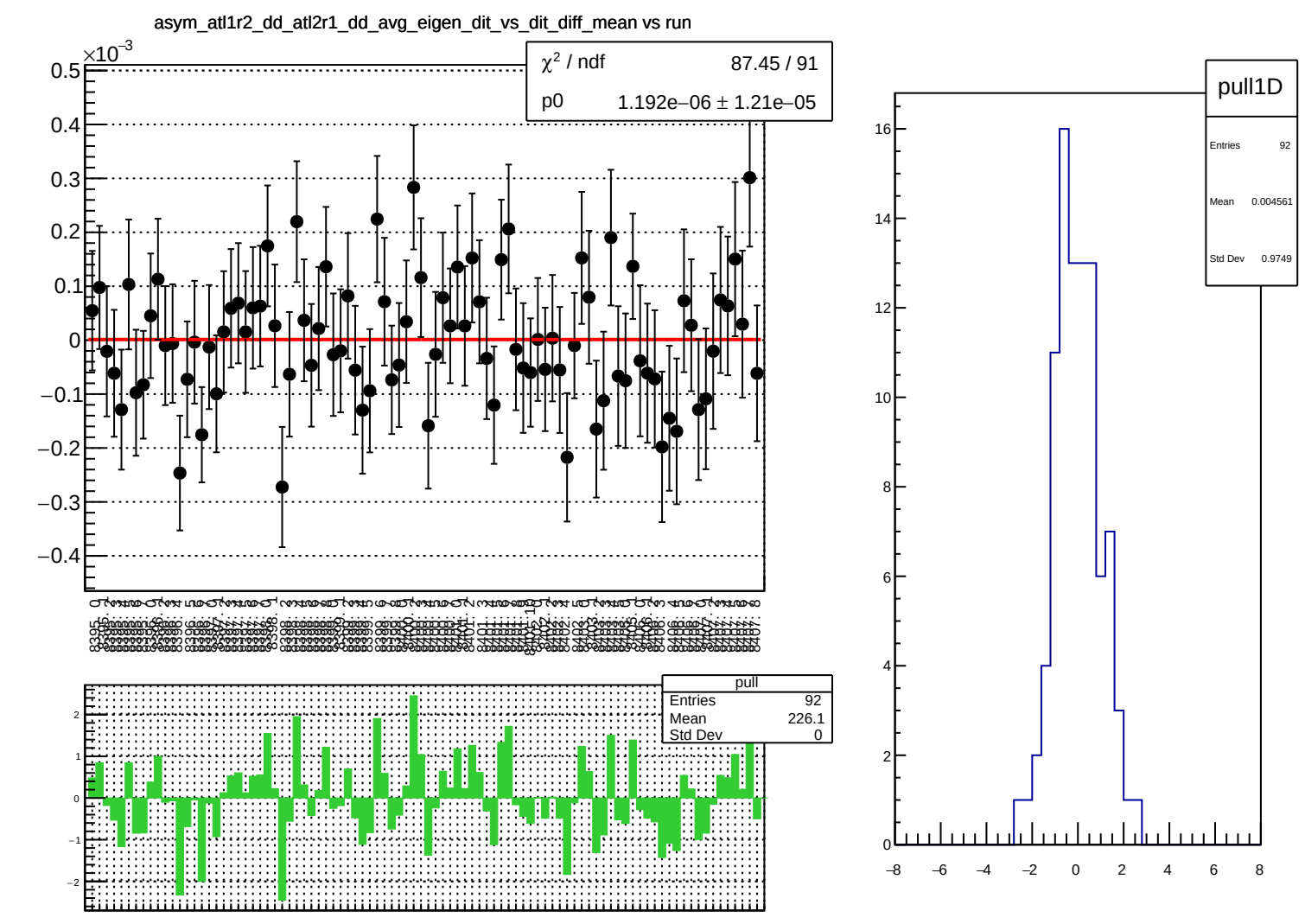

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02463 ± 0.03881
pull
Entries 92
Mean −36.93
Std Dev 0

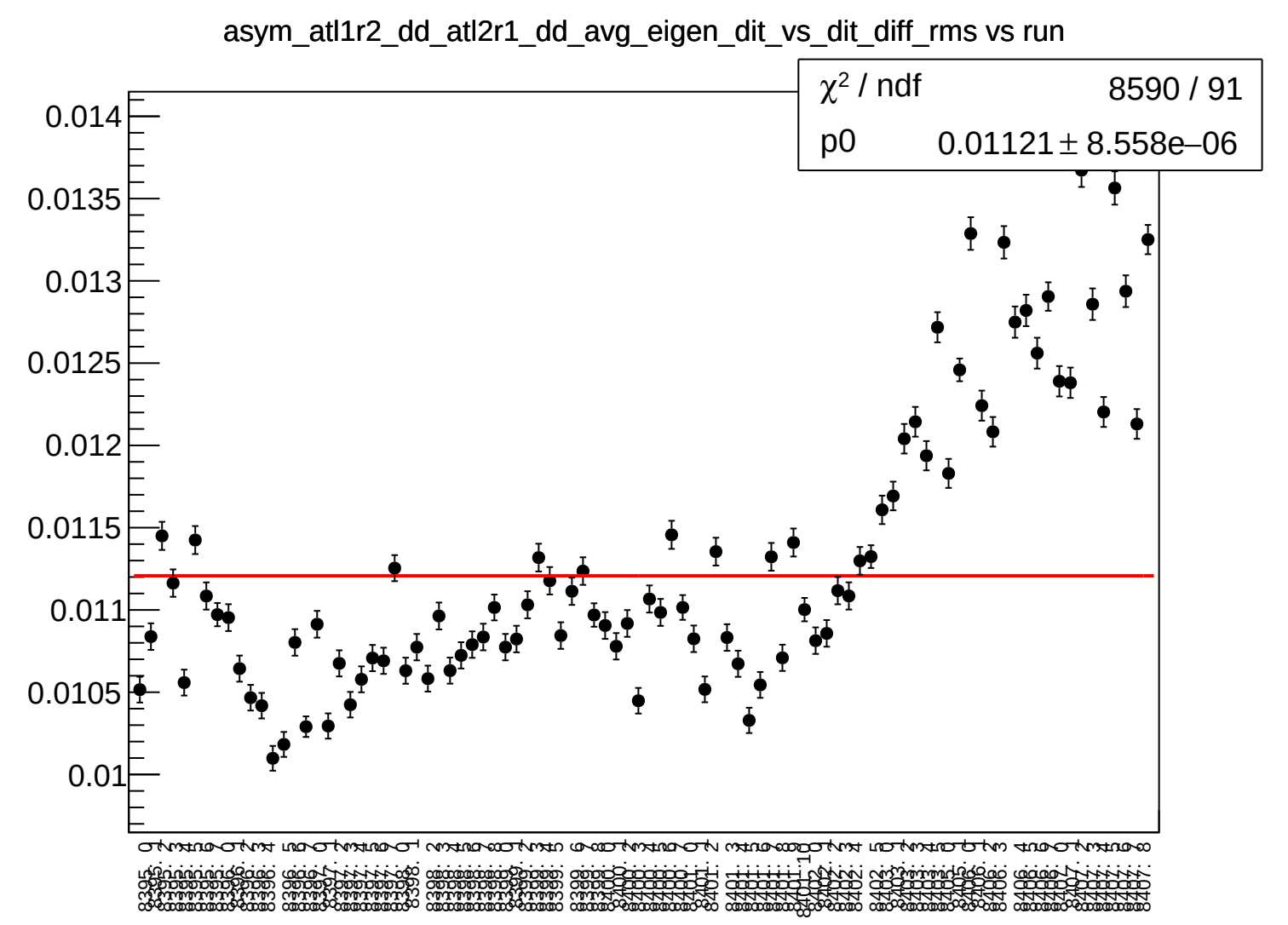

pull1D
Entries 92
Mean 0.02607
Std Dev 0.8953

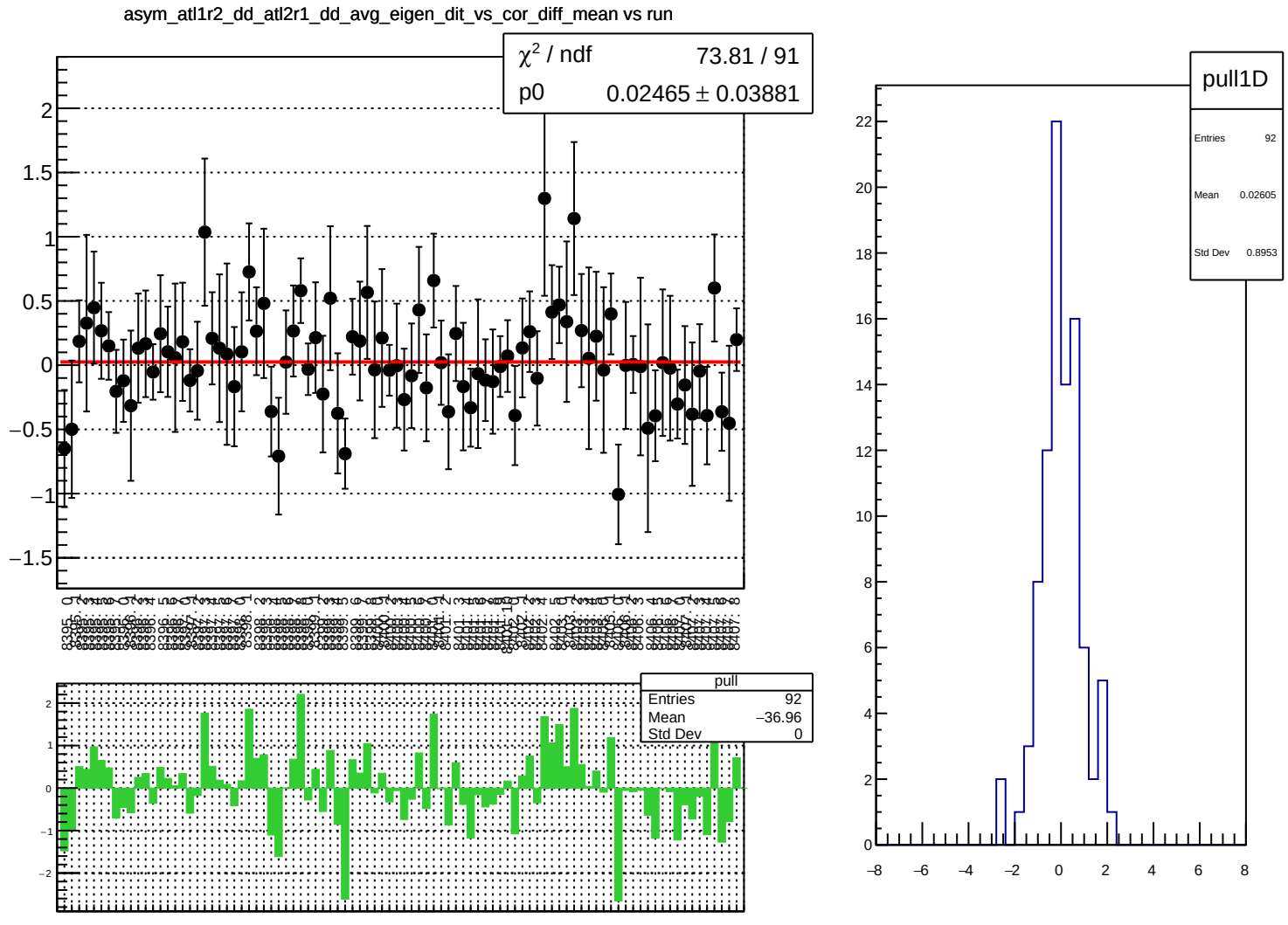

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.67e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

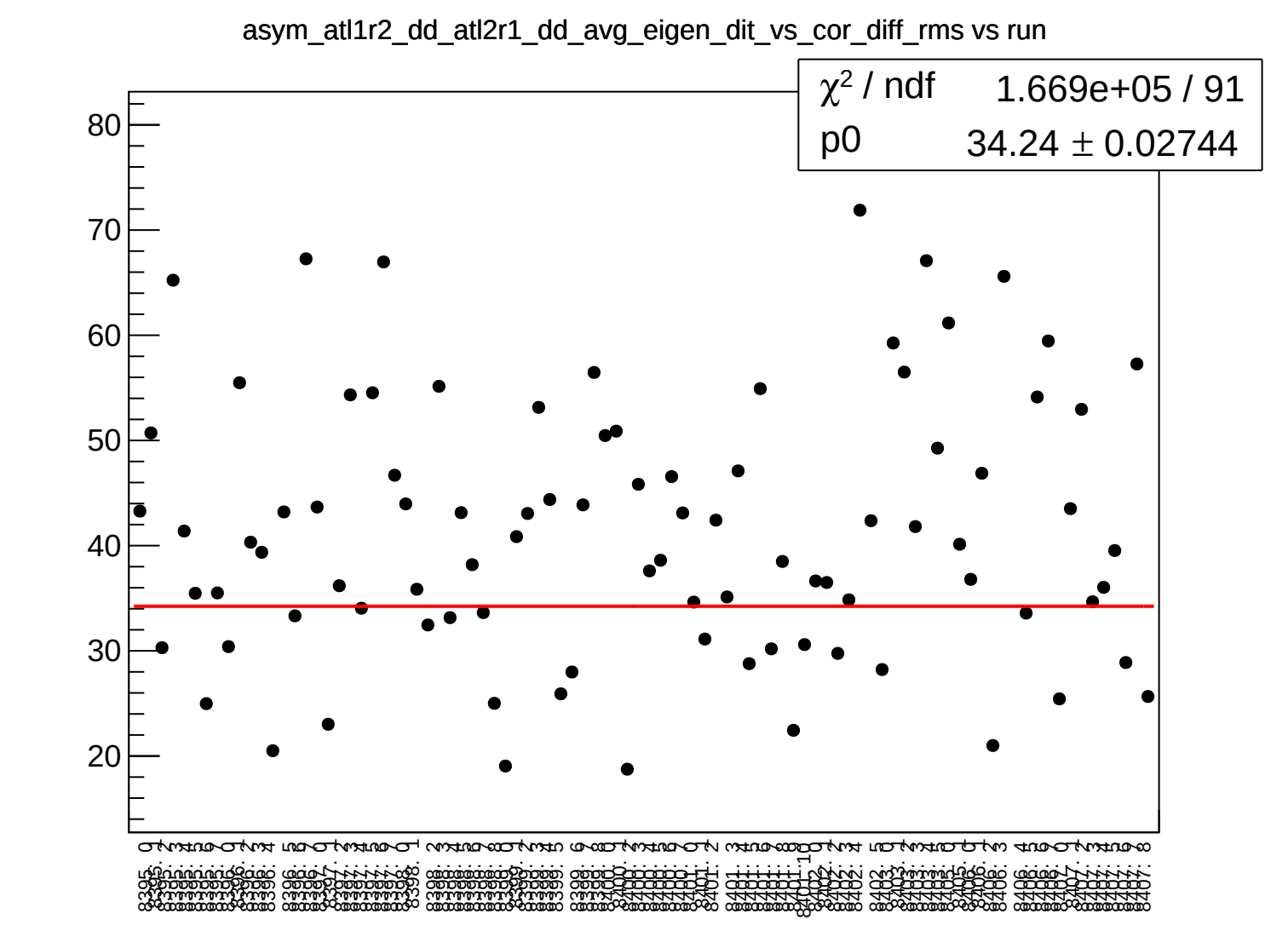

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02463 ± 0.03881
pull
Entries 92
Mean −36.93
Std Dev 0
pull1D
Entries 92
Mean 0.02607
Std Dev 0.8953

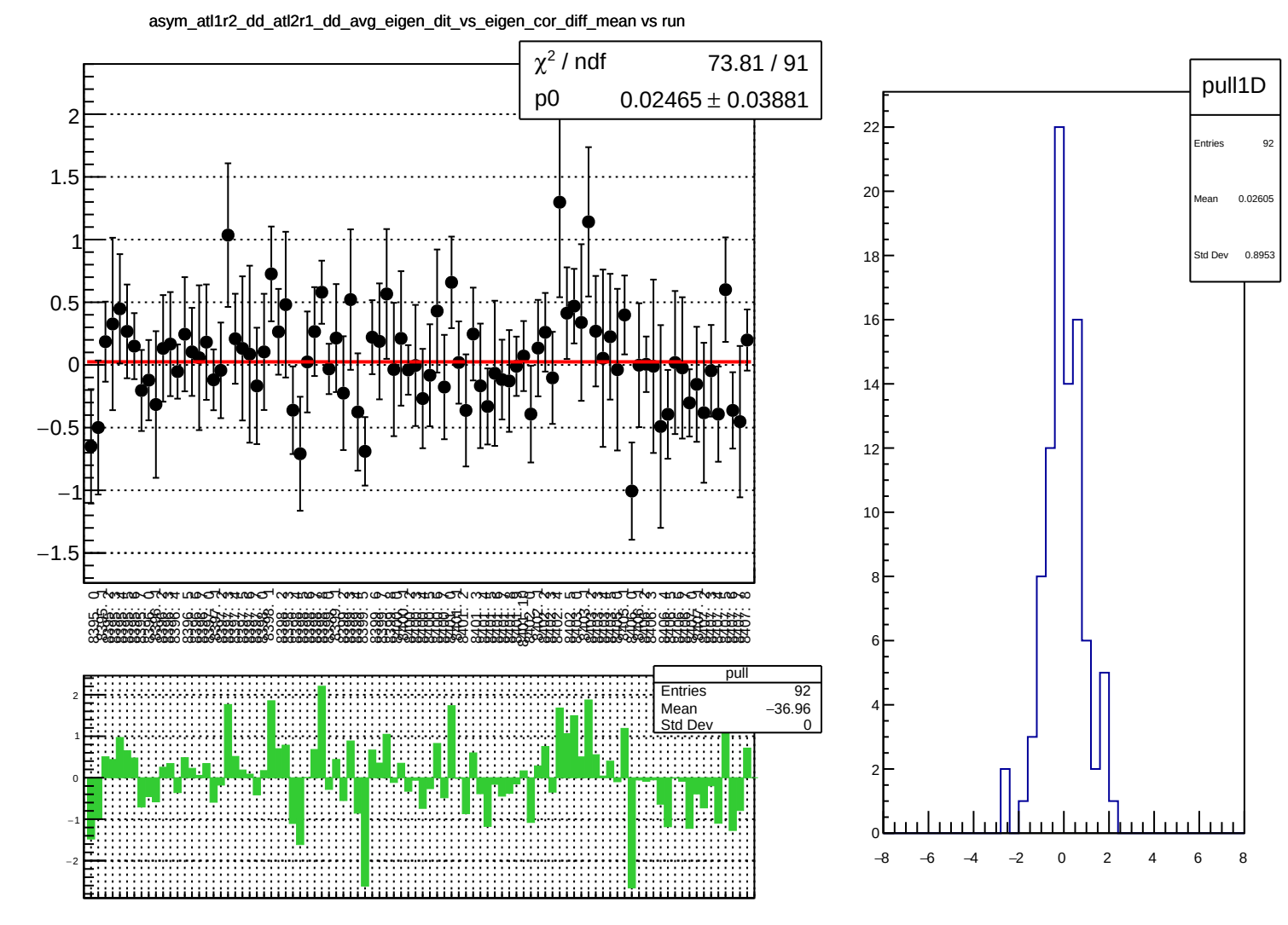

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.67e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

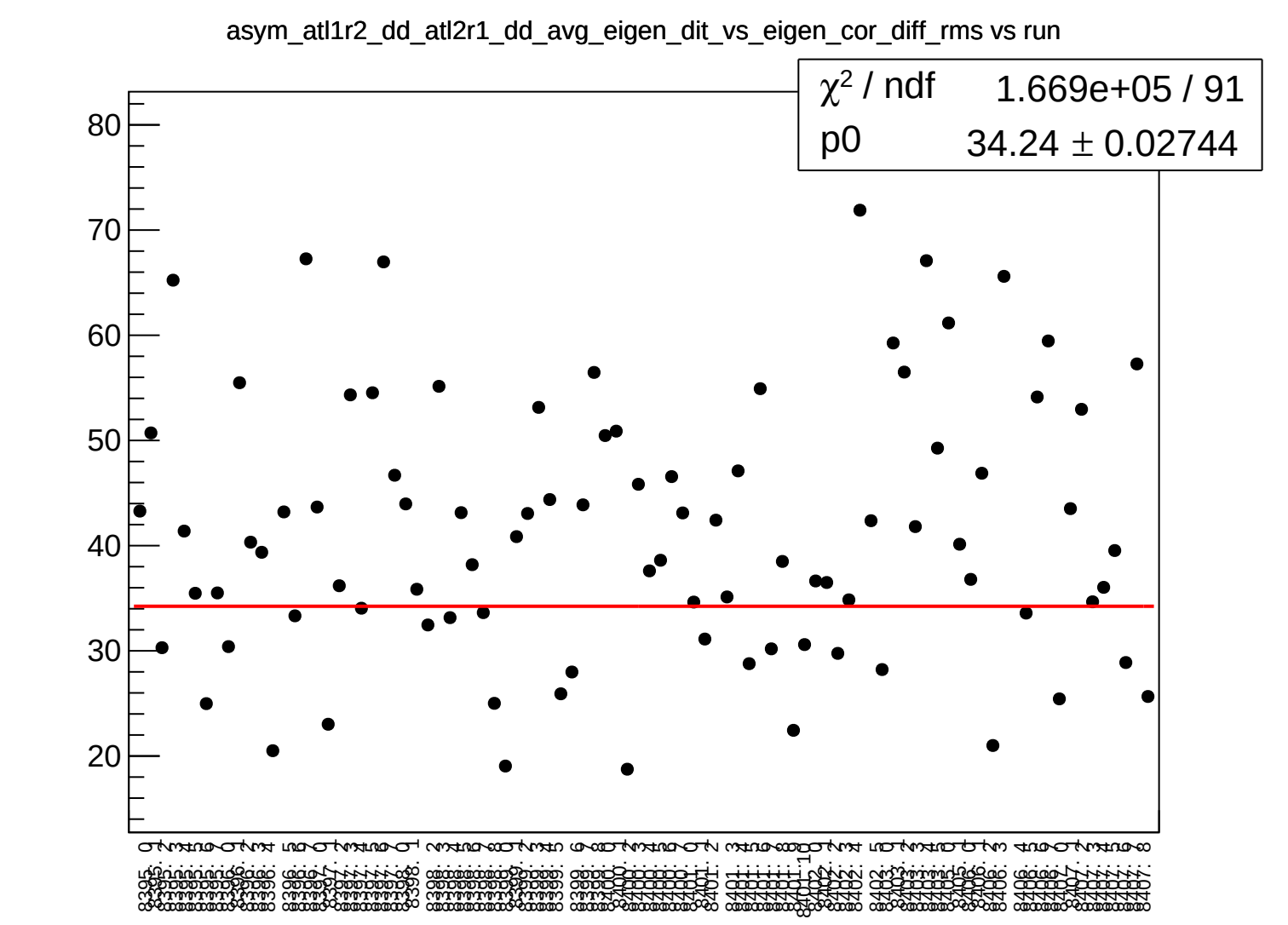

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.45 / 91
p0 1.192e−06 ± 1.21e−05
pull
Entries 92
Mean 226.1
Std Dev 0
pull1D
Entries 92
Mean 0.004561
Std Dev 0.9749

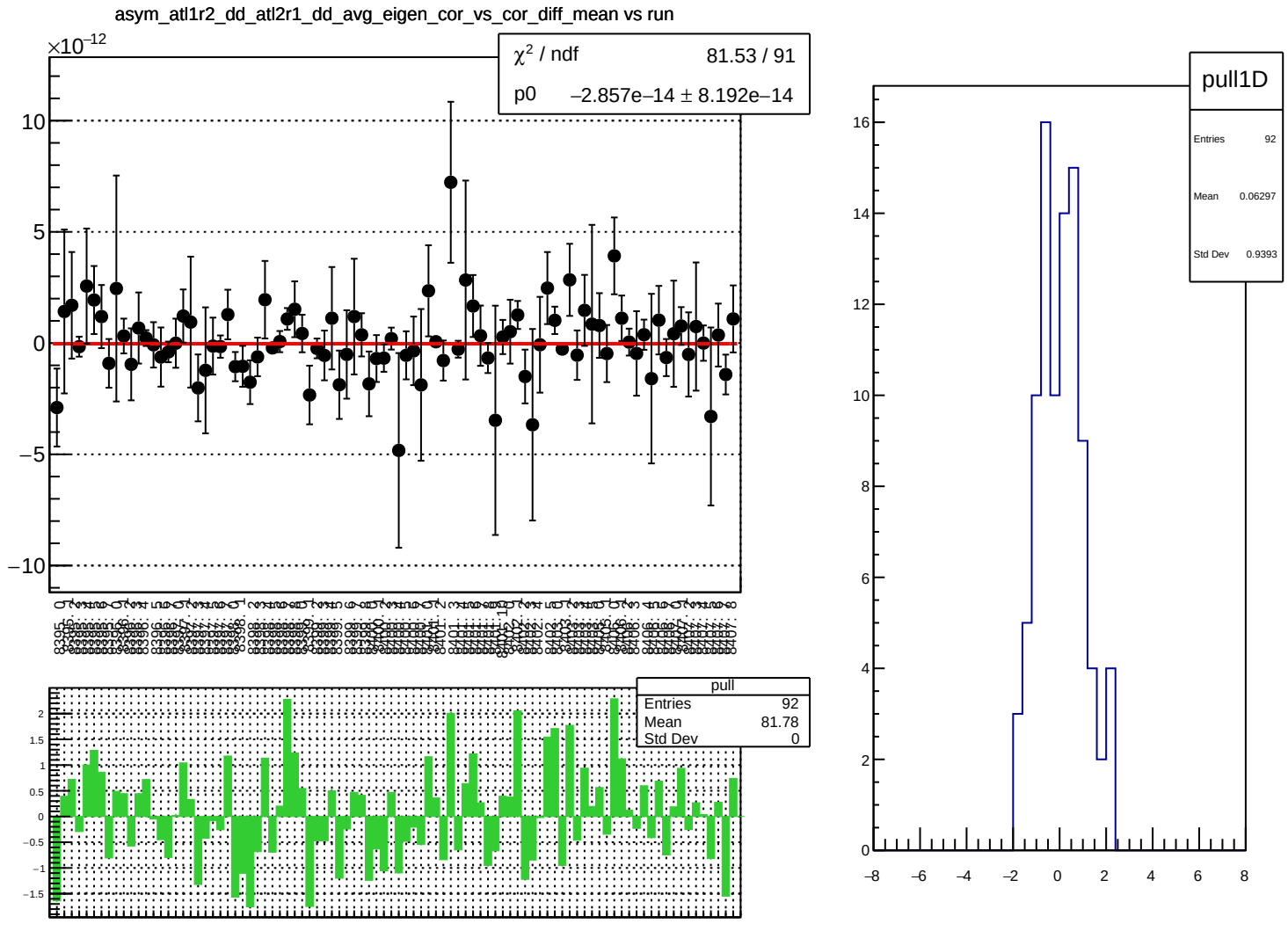

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8590 / 91
p0 0.01121 ± 8.558e−06
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01

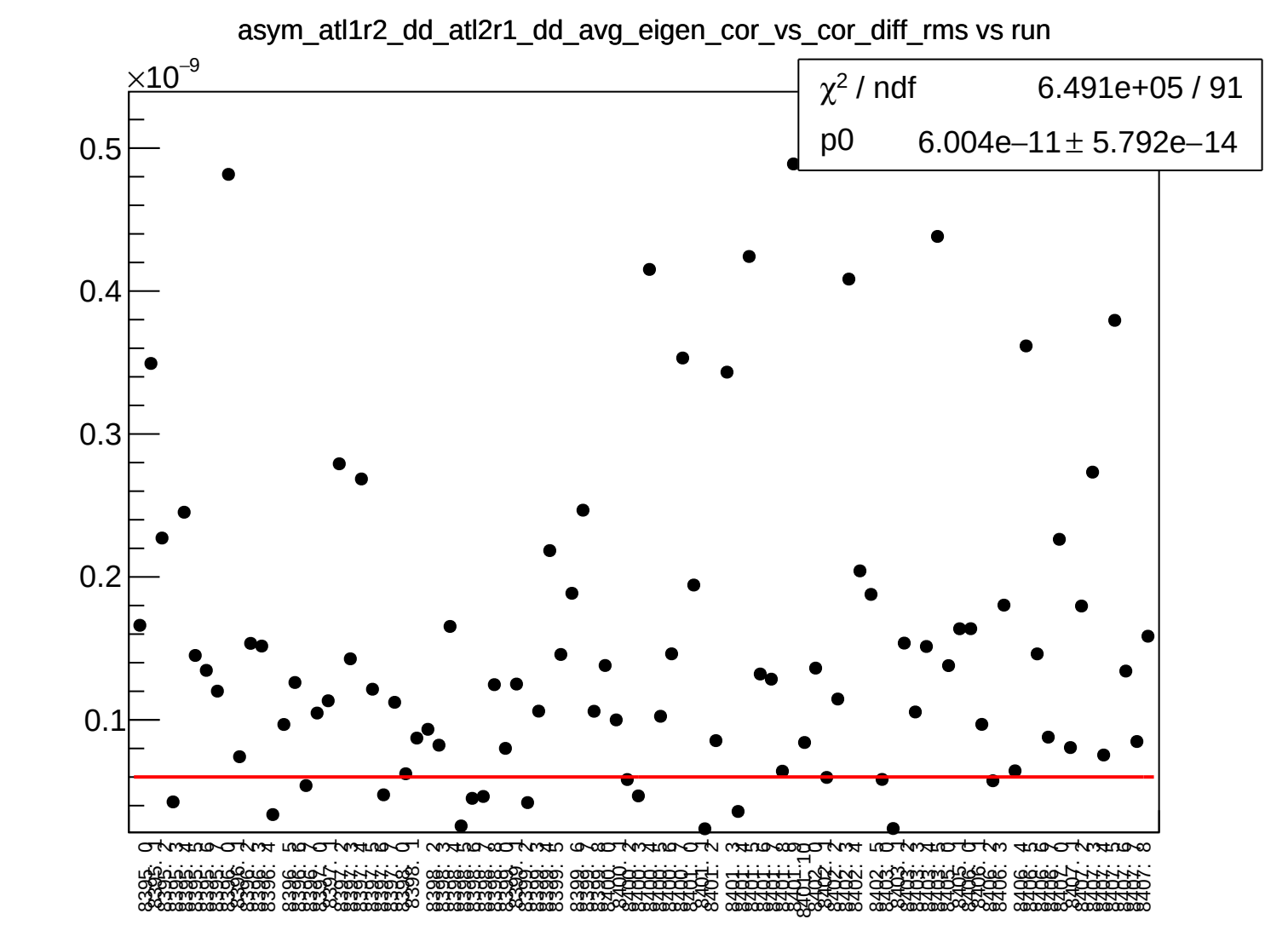

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02465 ± 0.03881
pull
Entries 92
Mean −36.96
Std Dev 0
pull1D
Entries 92
Mean 0.02605
Std Dev 0.8953

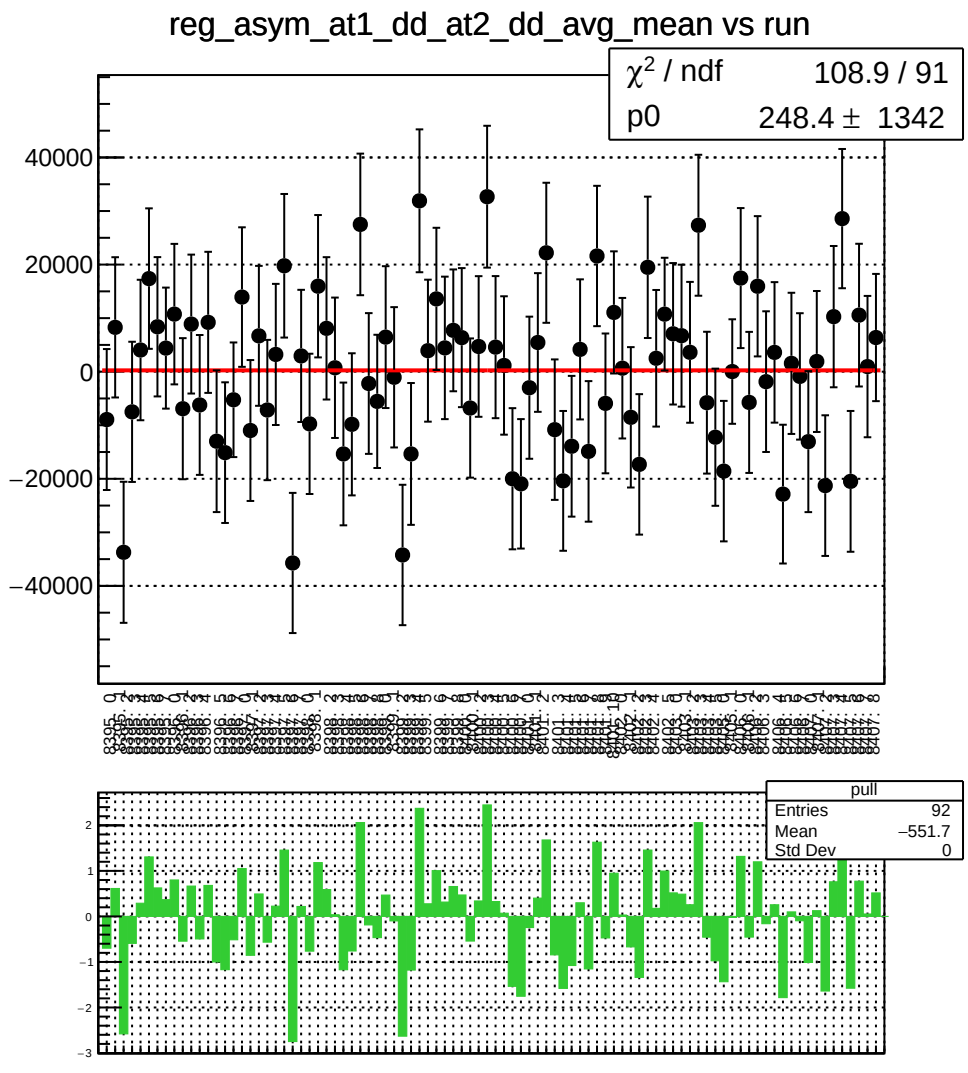

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

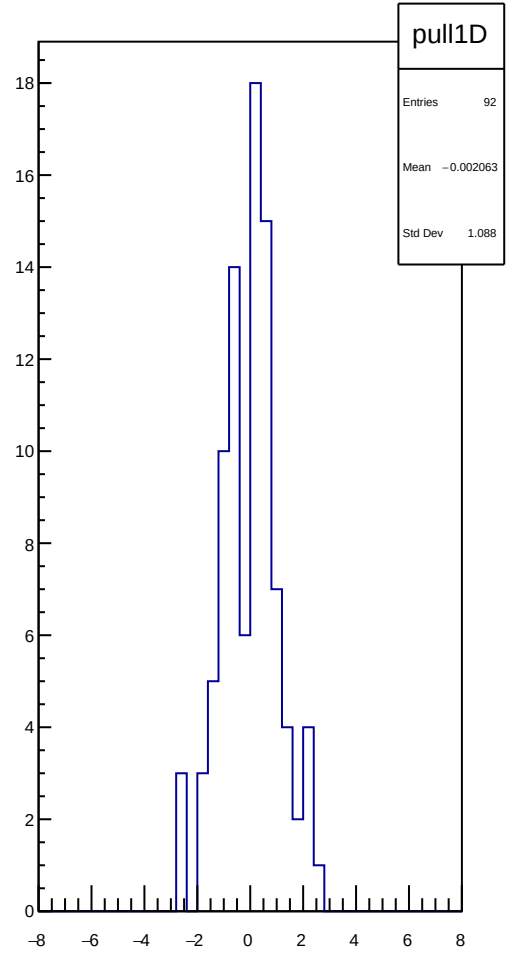

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.81 / 91
p0 0.02465 ± 0.03881
pull
Entries 92
Mean −36.96
Std Dev 0
pull1D
Entries 92
Mean 0.02605
Std Dev 0.8953

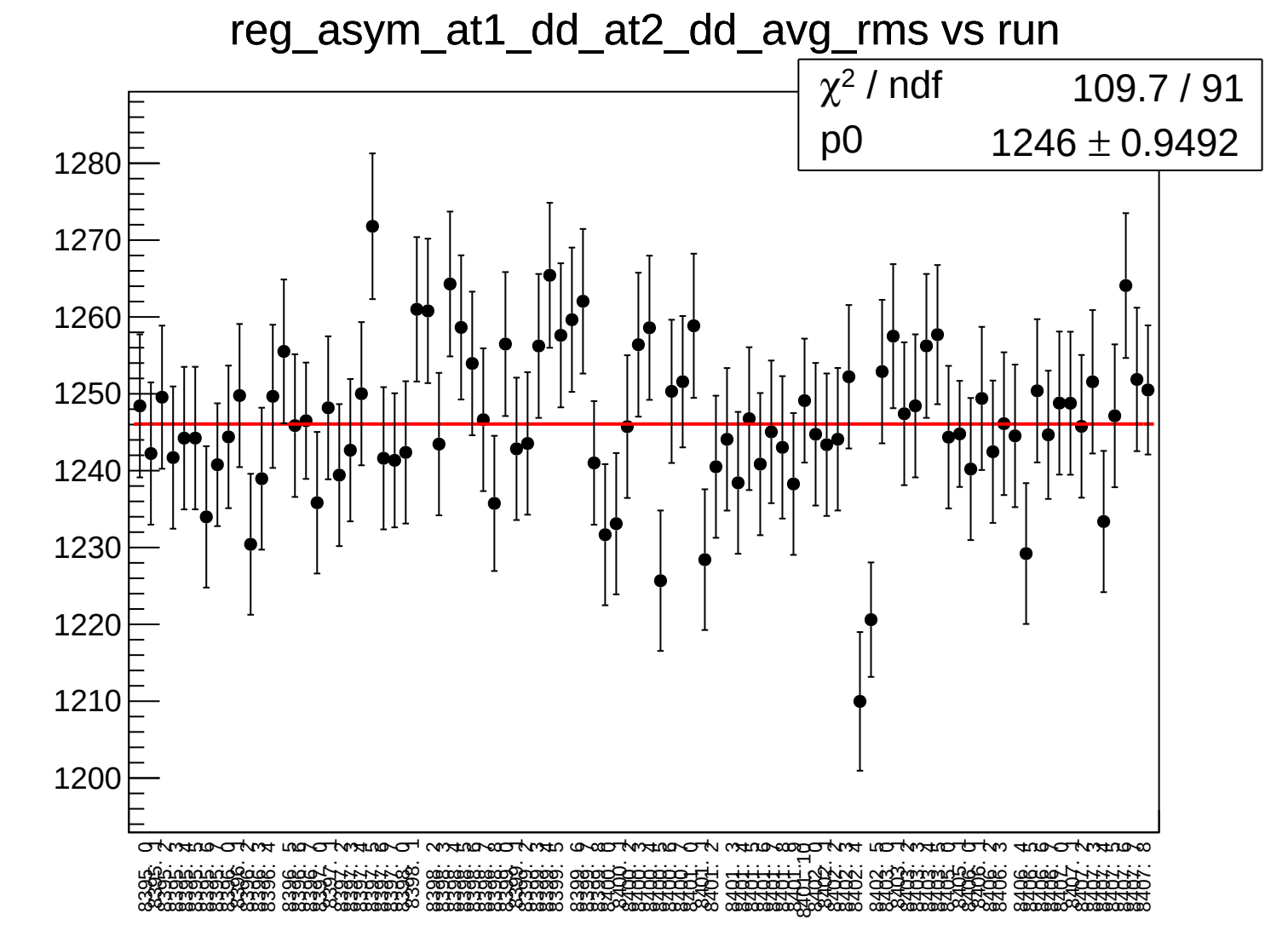

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.669e+05 / 91
p0 34.24 ± 0.02744
80
70
60
50
40
30
20

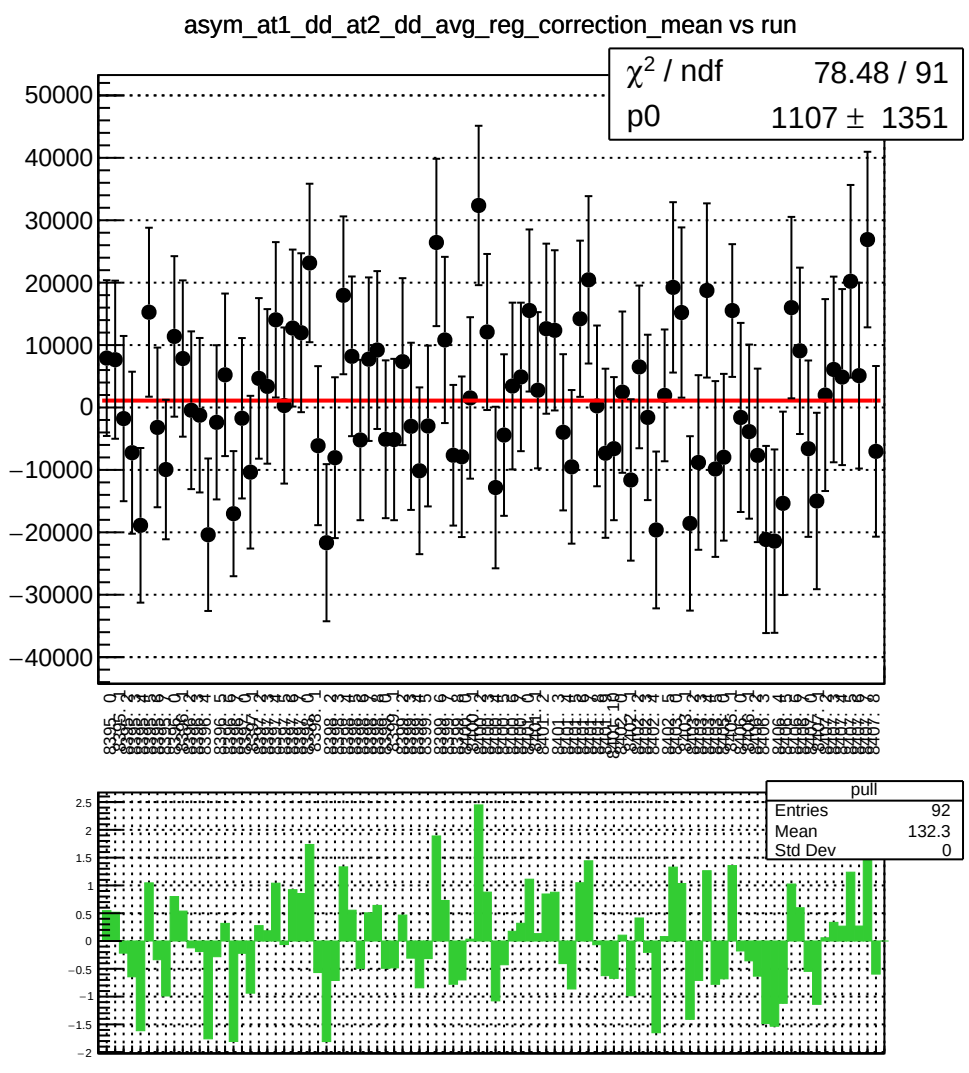

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 81.53 / 91
p0 −2.857e−14 ± 8.192e−14
pull
Entries 92
Mean 81.78
Std Dev 0
pull1D
Entries 92
Mean 0.06297
Std Dev 0.9393

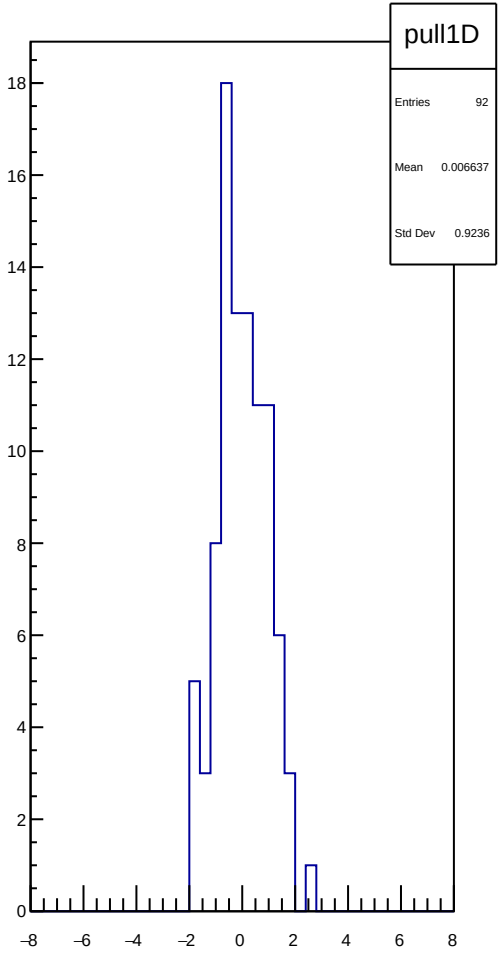

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.491e+05 / 91
p0 6.004e−11 ± 5.792e−14
0.5
0.4
0.3
0.2
0.1

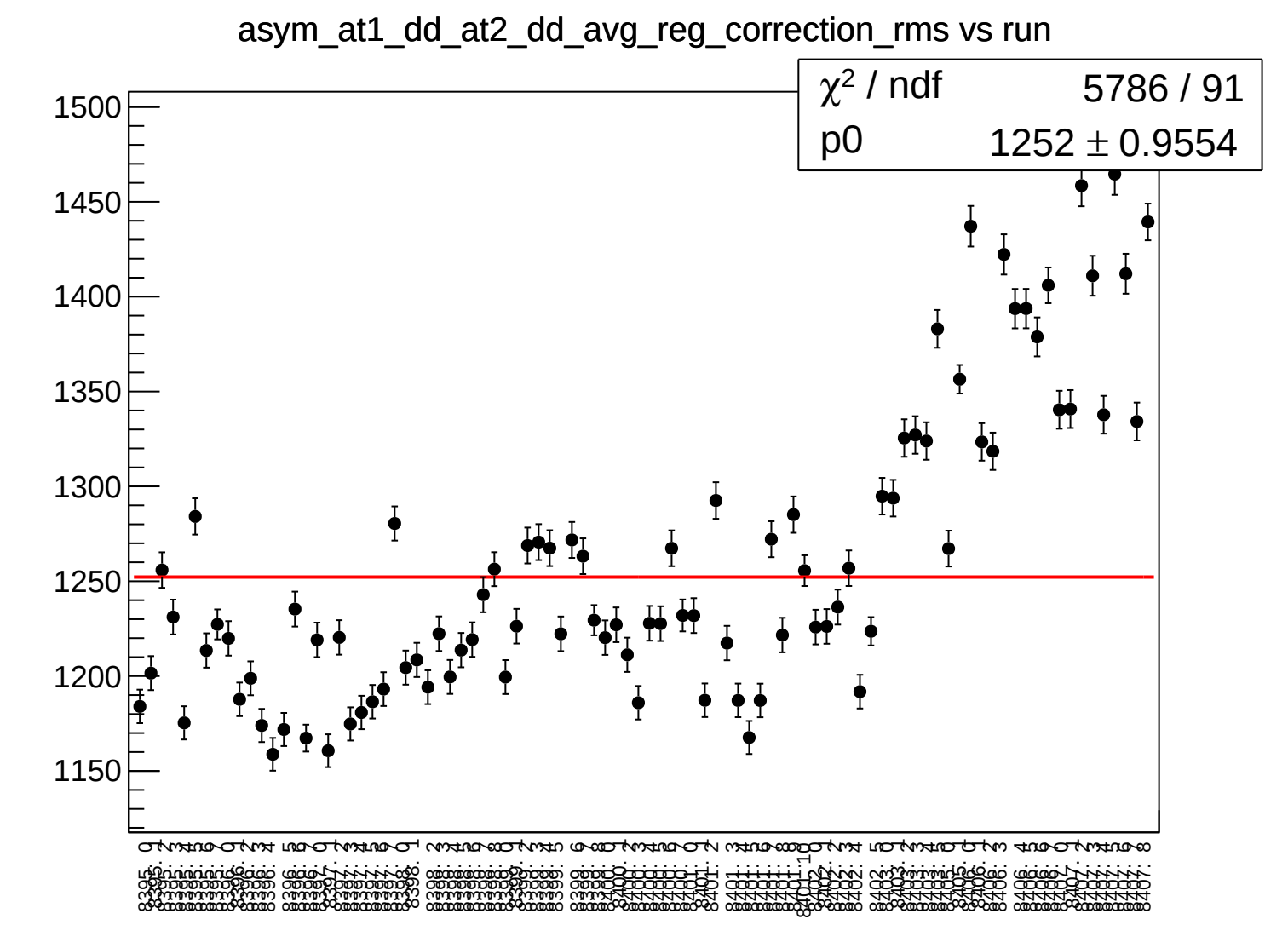

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 108.9 / 91
p0 248.4 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −551.7
Std Dev 0
2
1
0
−1
−2
−3

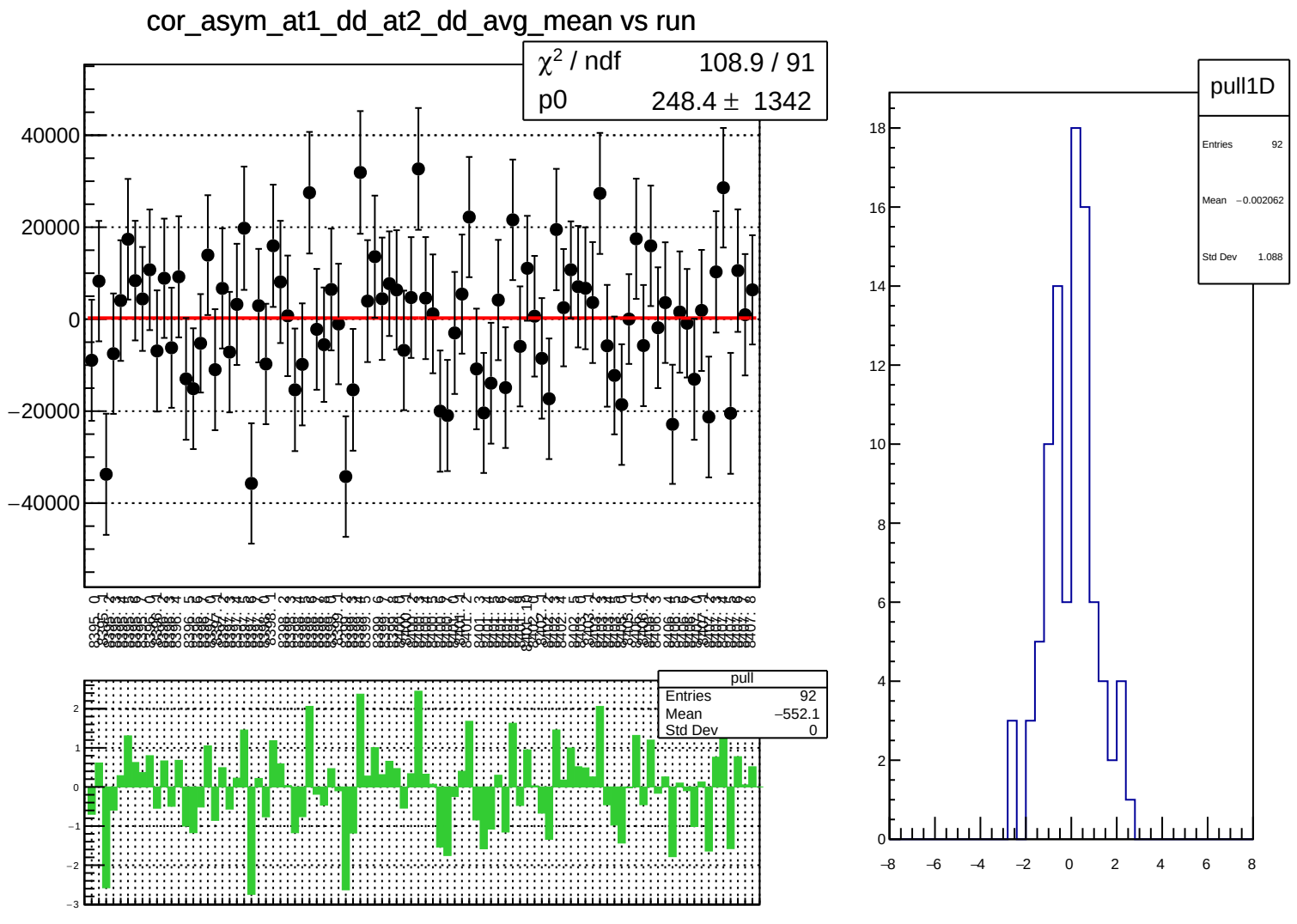

pull1D
Entries 92
Mean −0.002063
Std Dev 1.088
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

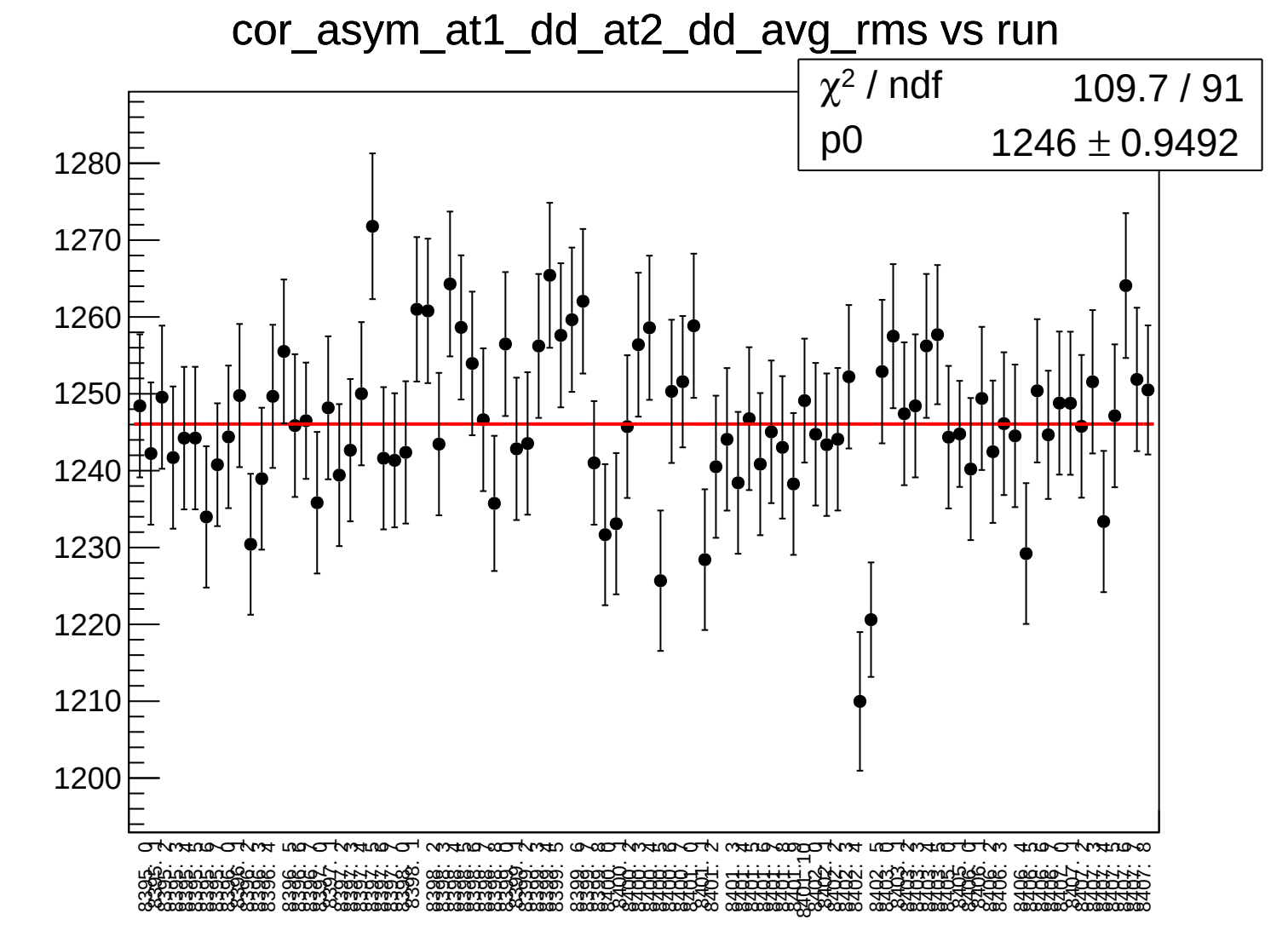

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 109.7 / 91
p0 1246 ± 0.9492
1280
1270
1260
1250
1240
1230
1220
1210
1200

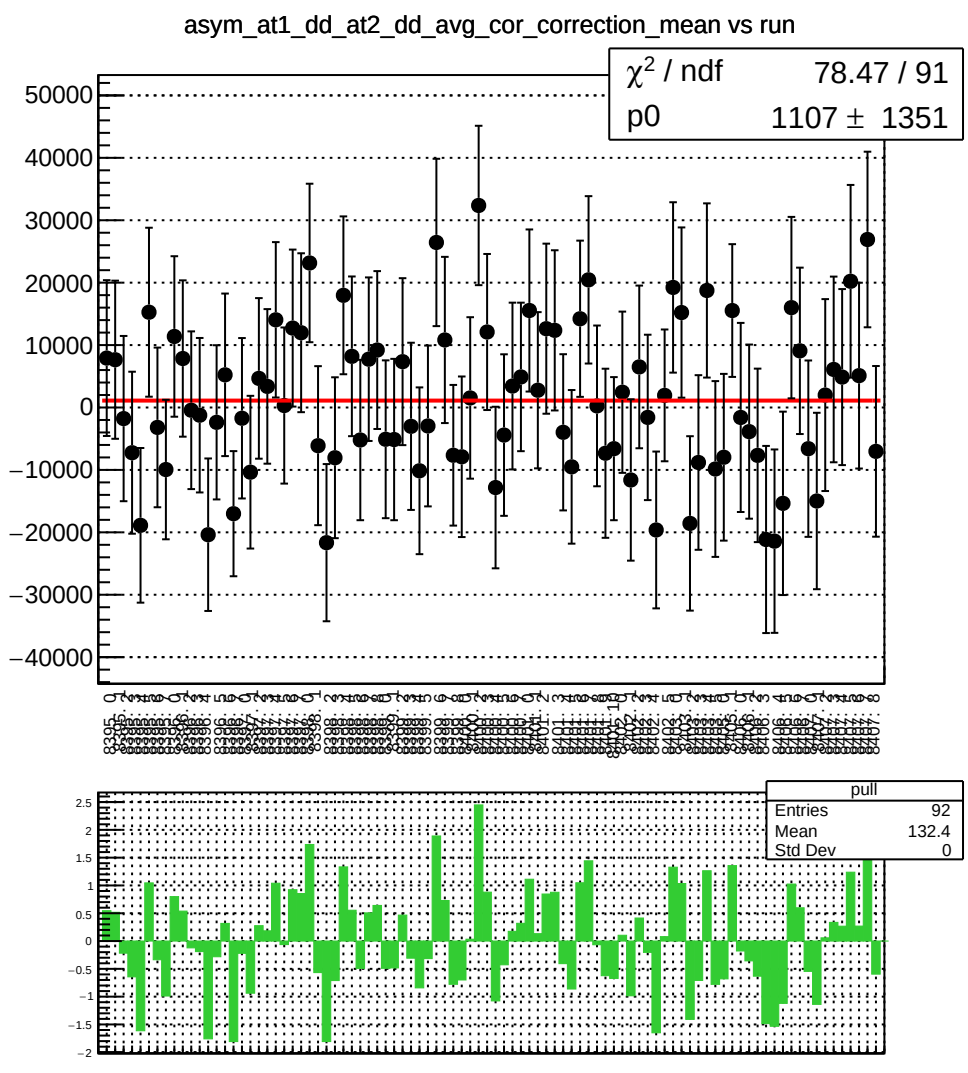

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 78.48 / 91
p0 1107 ± 1351
pull
Entries 92
Mean 132.3
Std Dev 0

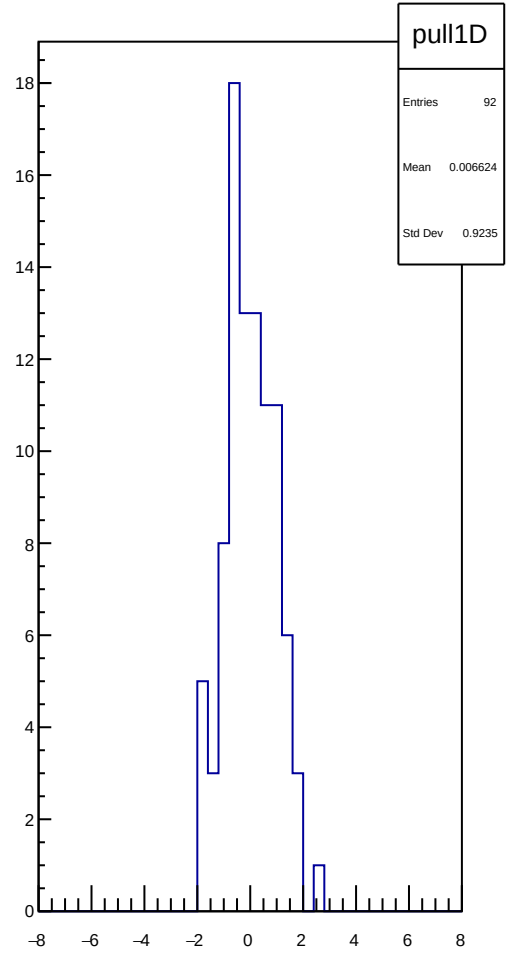

pull1D
Entries 92
Mean 0.006637
Std Dev 0.9236

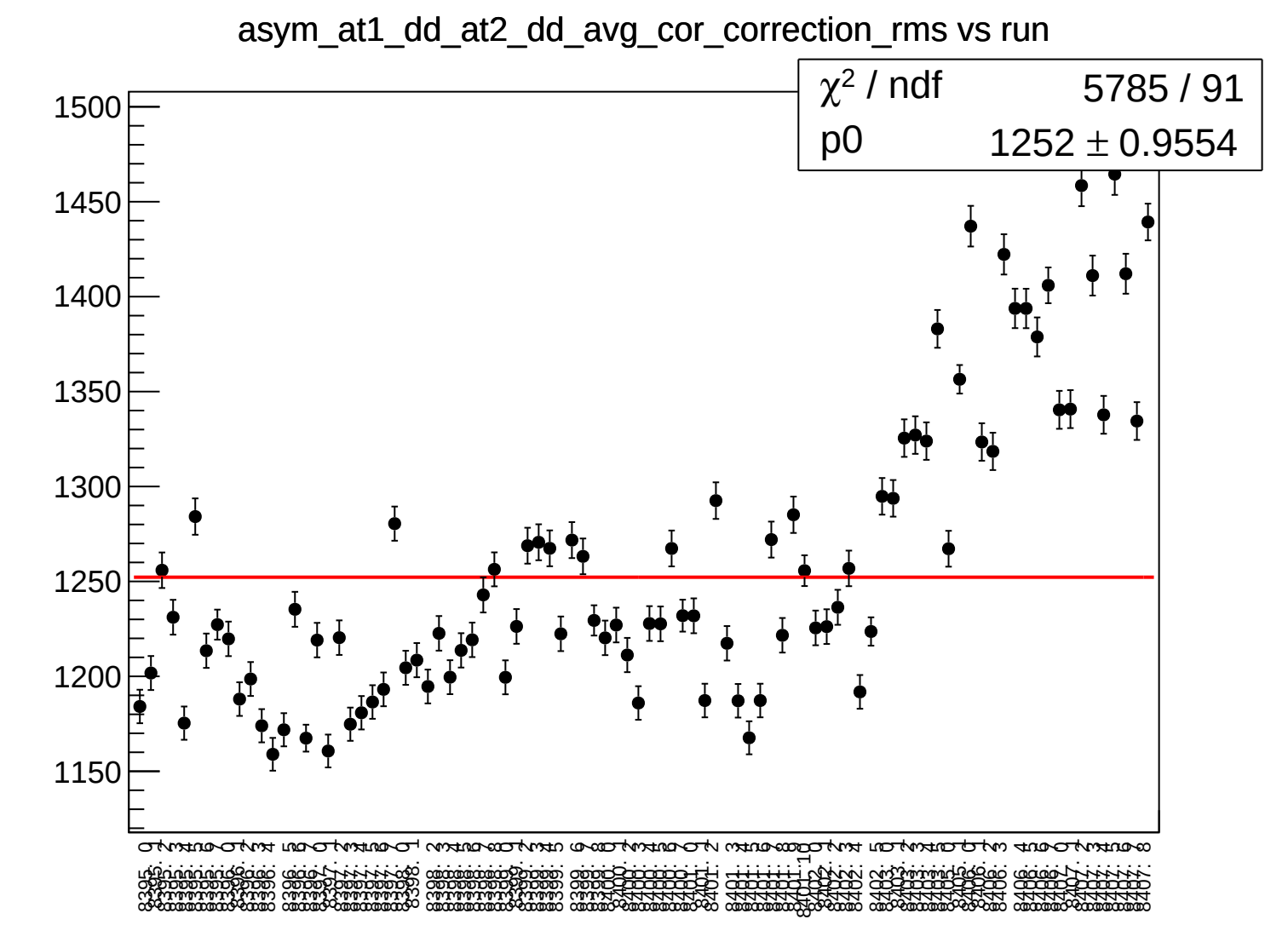

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 5786 / 91
p0 1252 ± 0.9554
1500
1450
1400
1350
1300
1250
1200
1150

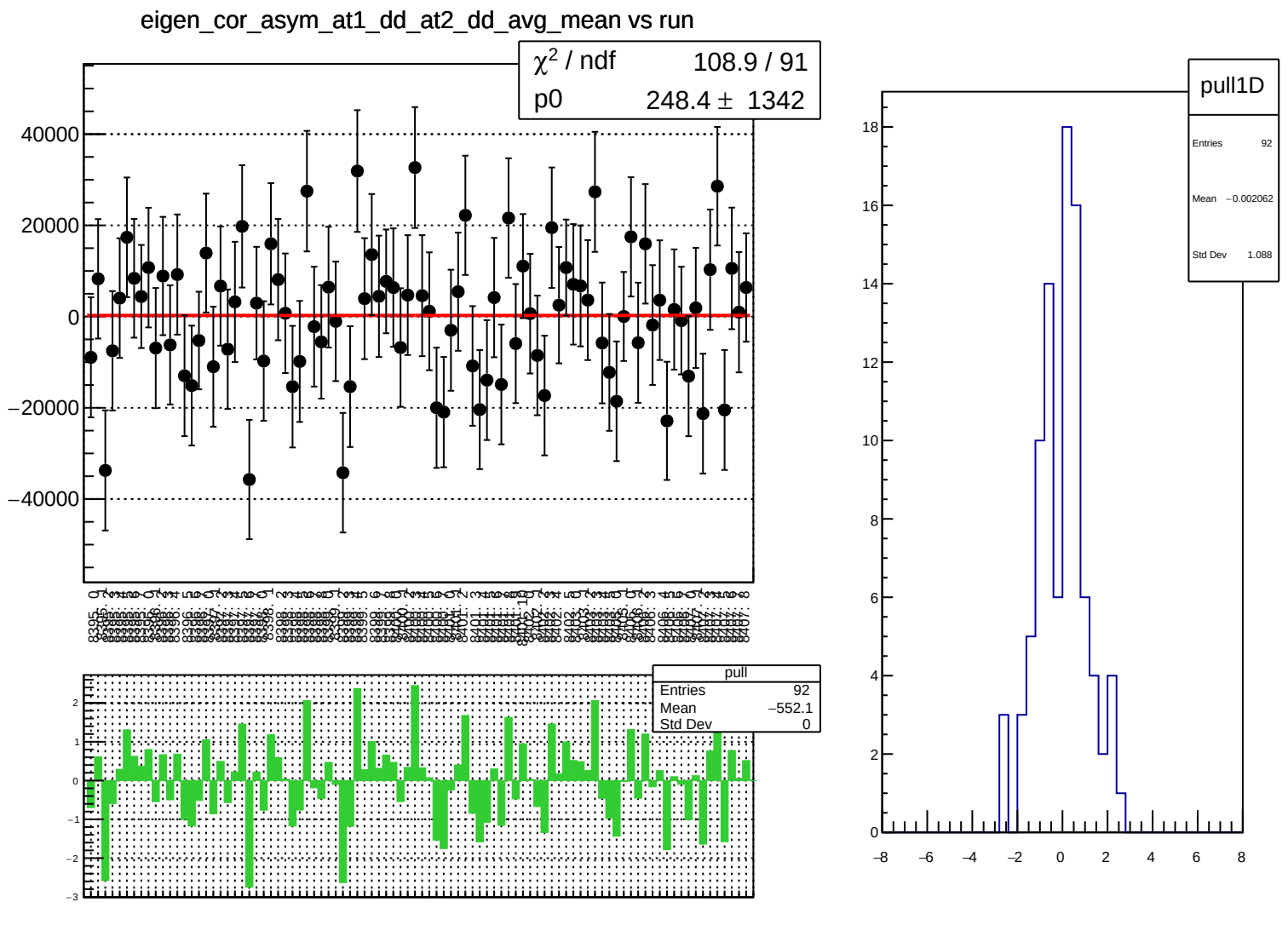

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 108.9 / 91
p0 248.4 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −552.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.002062
Std Dev 1.088
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

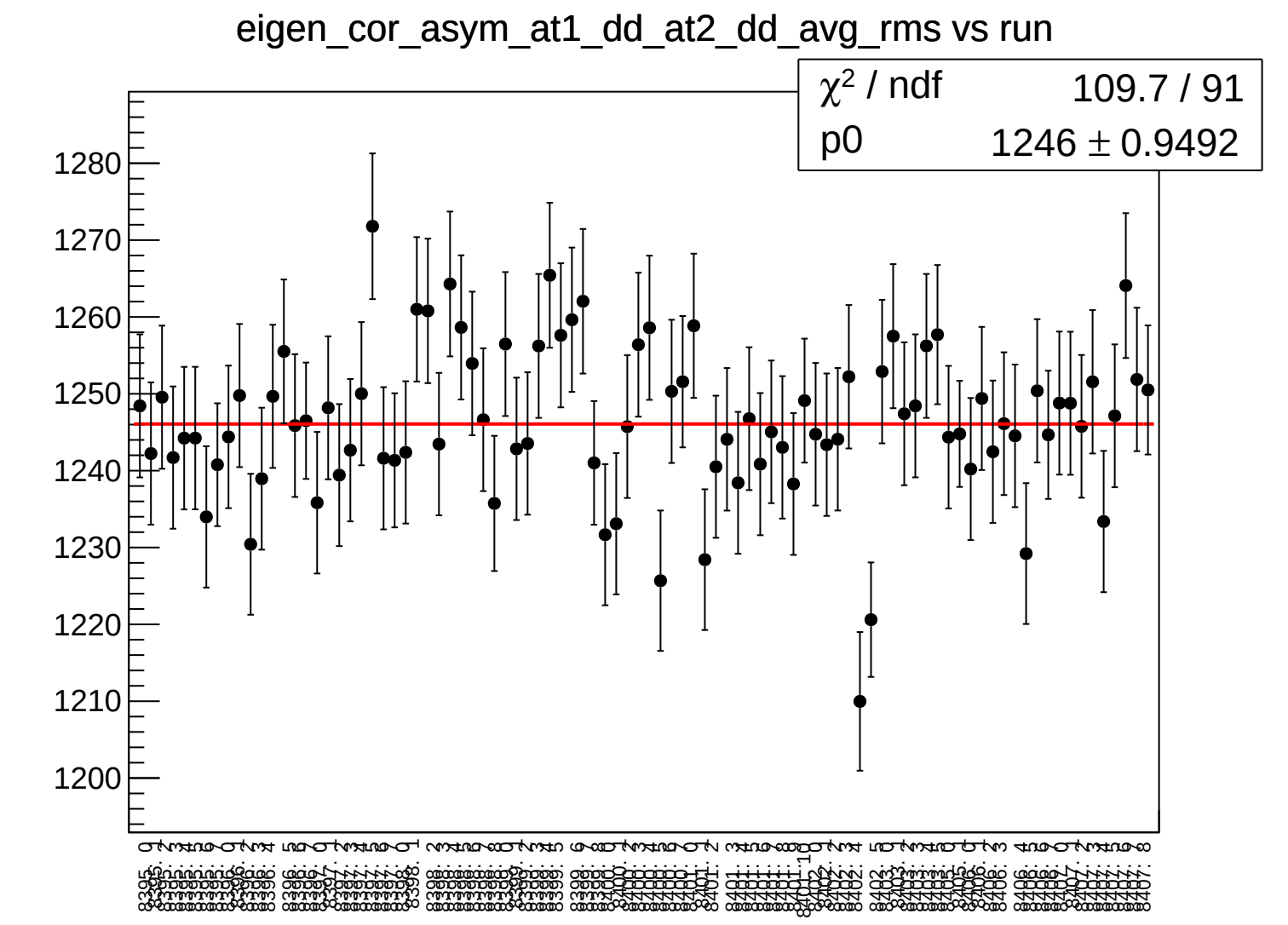

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 109.7 / 91
p0 1246 ± 0.9492
1280
1270
1260
1250
1240
1230
1220
1210
1200

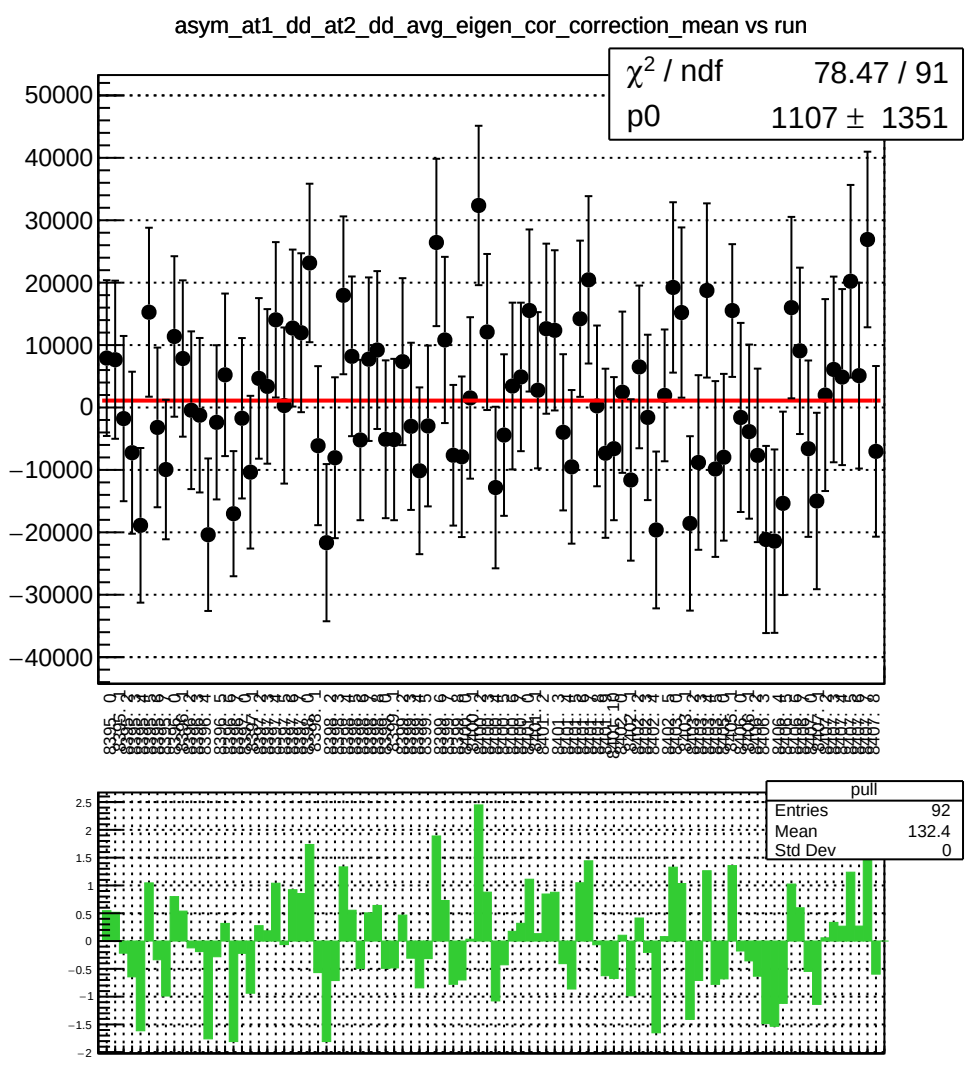

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 78.47 / 91
p0 1107 ± 1351
pull
Entries 92
Mean 132.4
Std Dev 0

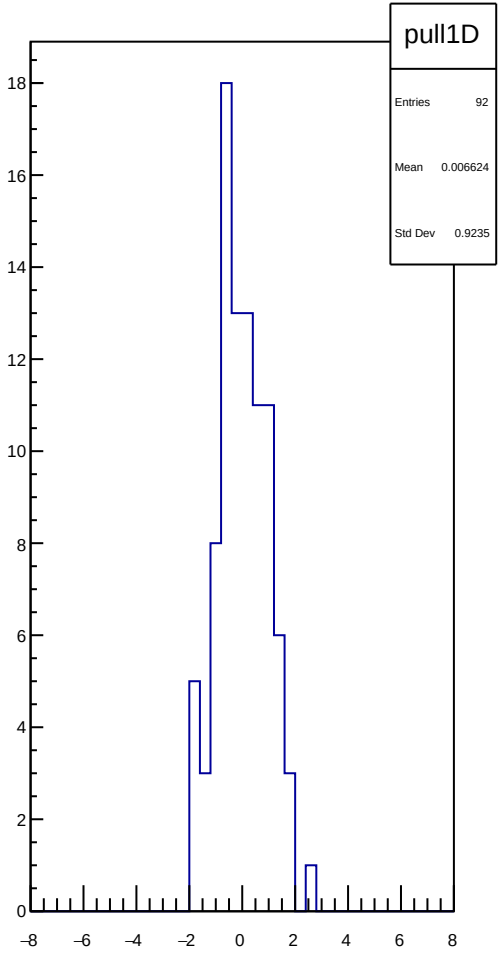

pull1D
Entries 92
Mean 0.006624
Std Dev 0.9235

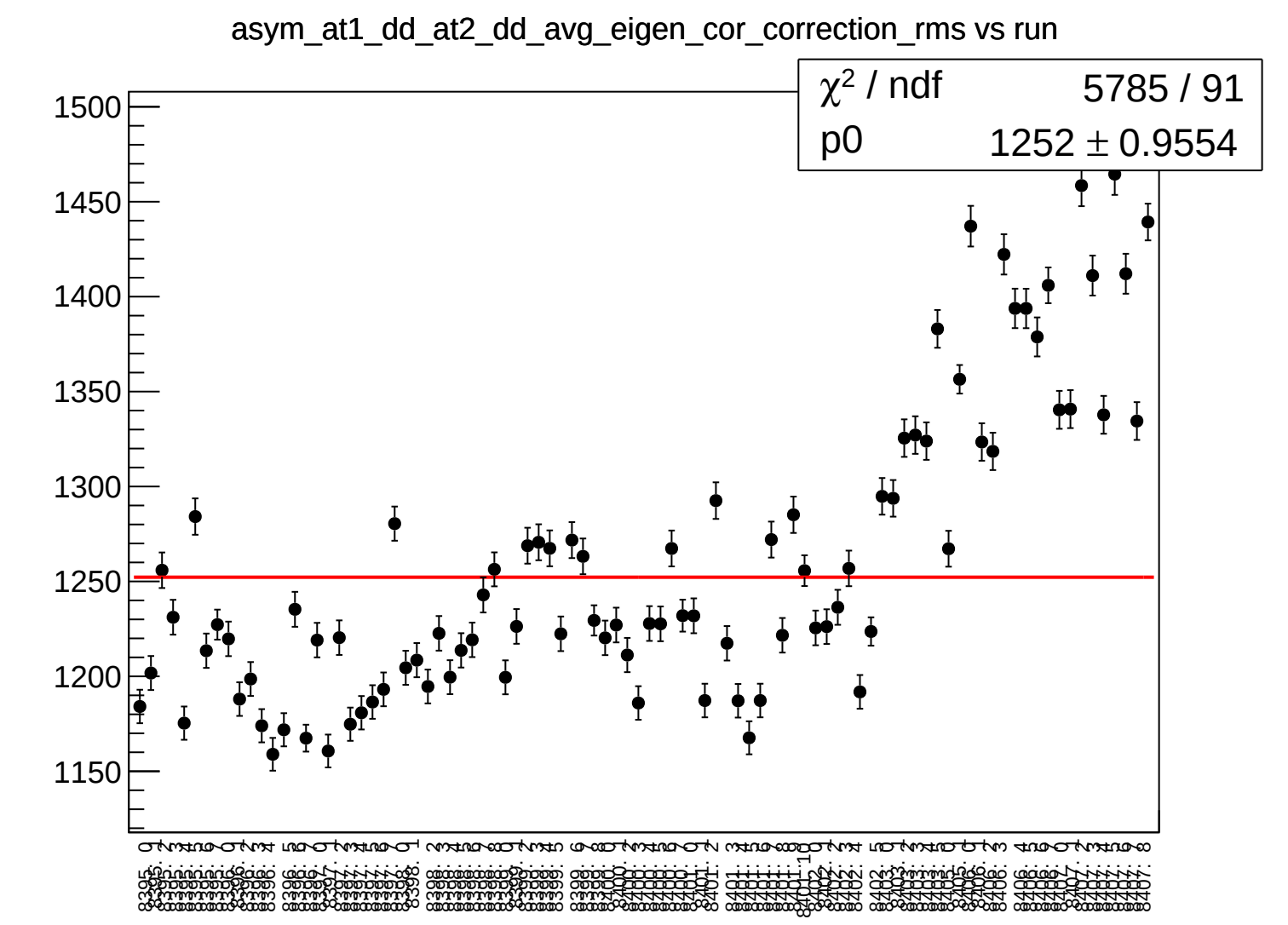

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 5785 / 91
p0 1252 ± 0.9554
1500
1450
1400
1350
1300
1250
1200
1150

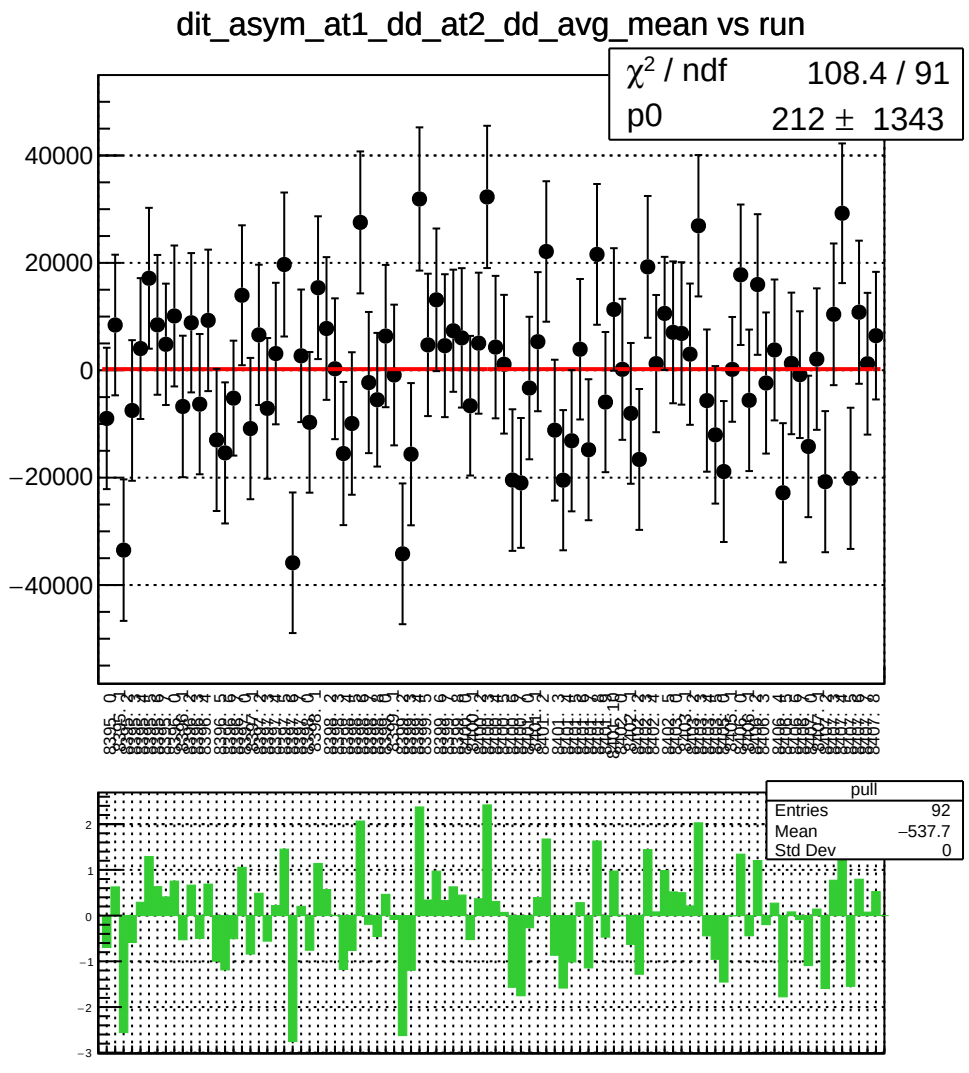

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 108.9 / 91
p0 248.4 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −552.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.002062
Std Dev 1.088
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

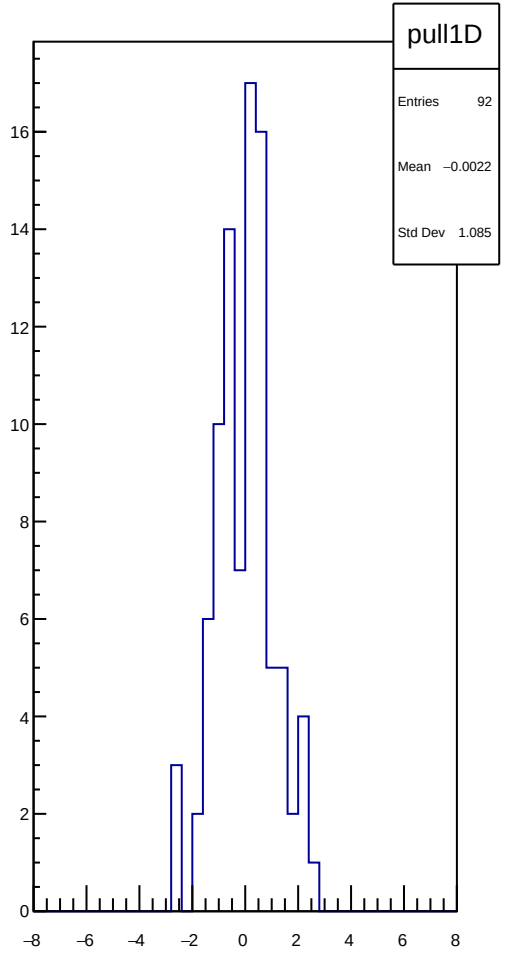

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 109.7 / 91
p0 1246 ± 0.9492
1280
1270
1260
1250
1240
1230
1220
1210
1200

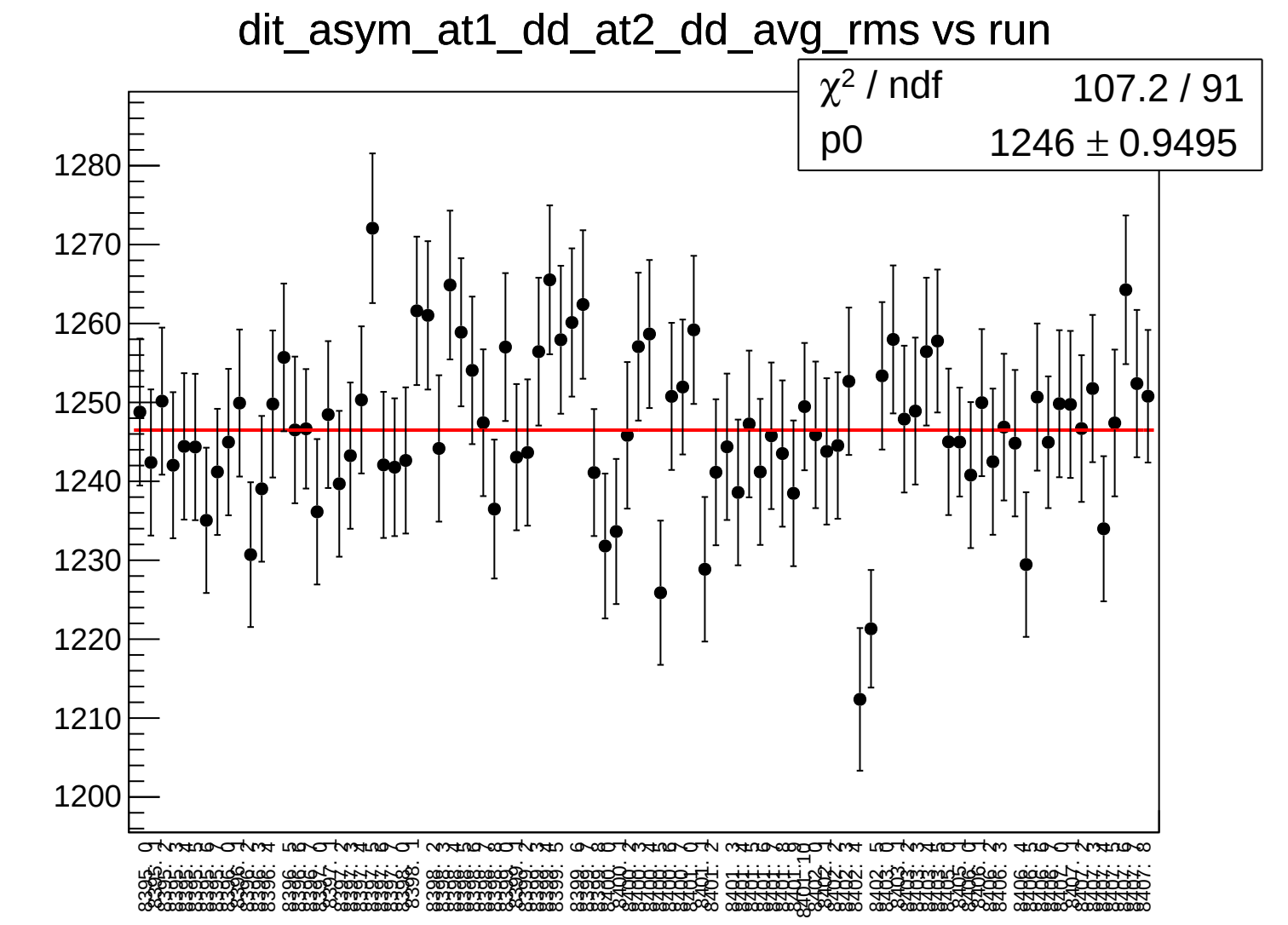

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 78.47 / 91
p0 1107 ± 1351
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 132.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

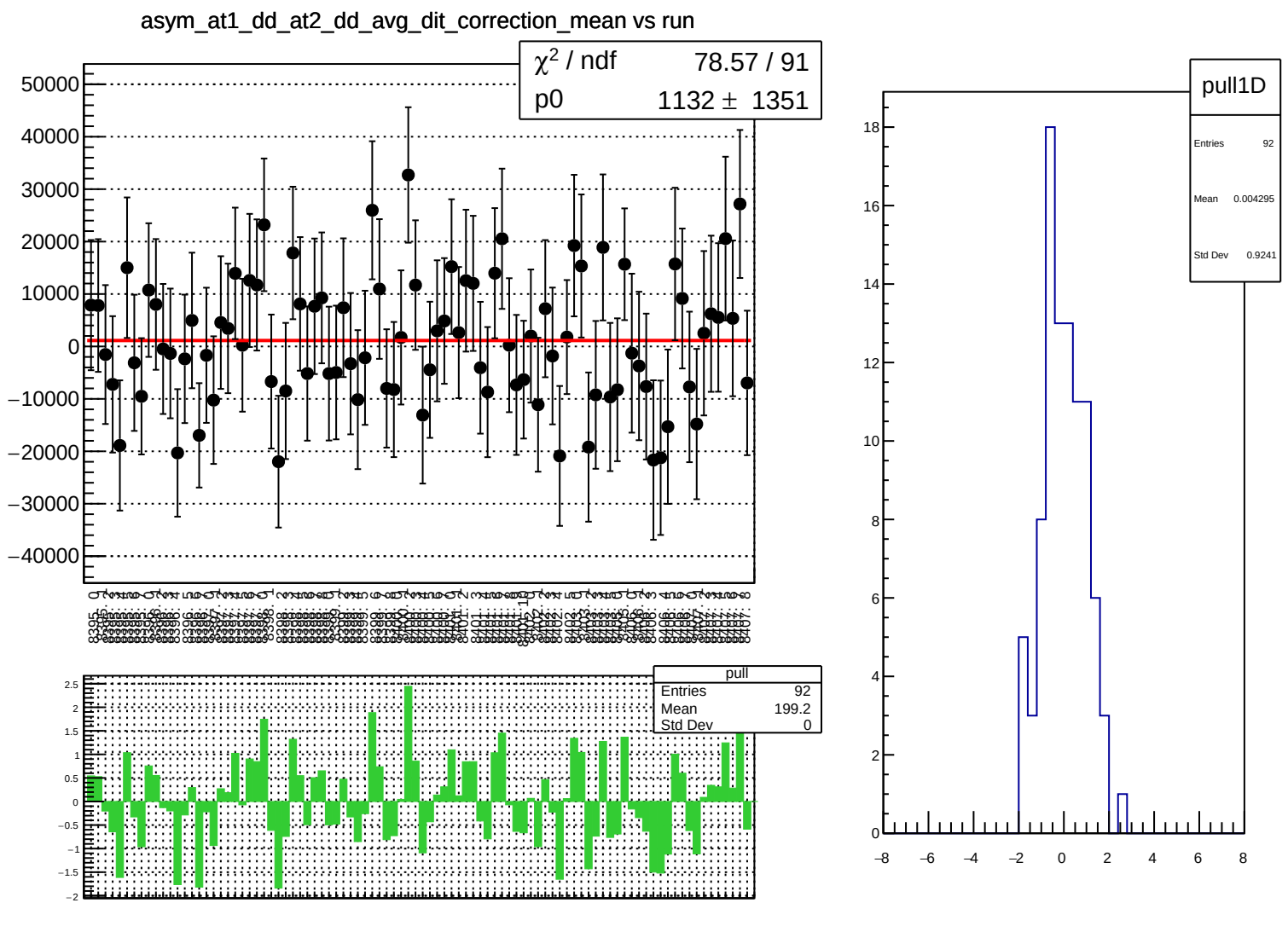

pull1D
Entries 92
Mean 0.006624
Std Dev 0.9235
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

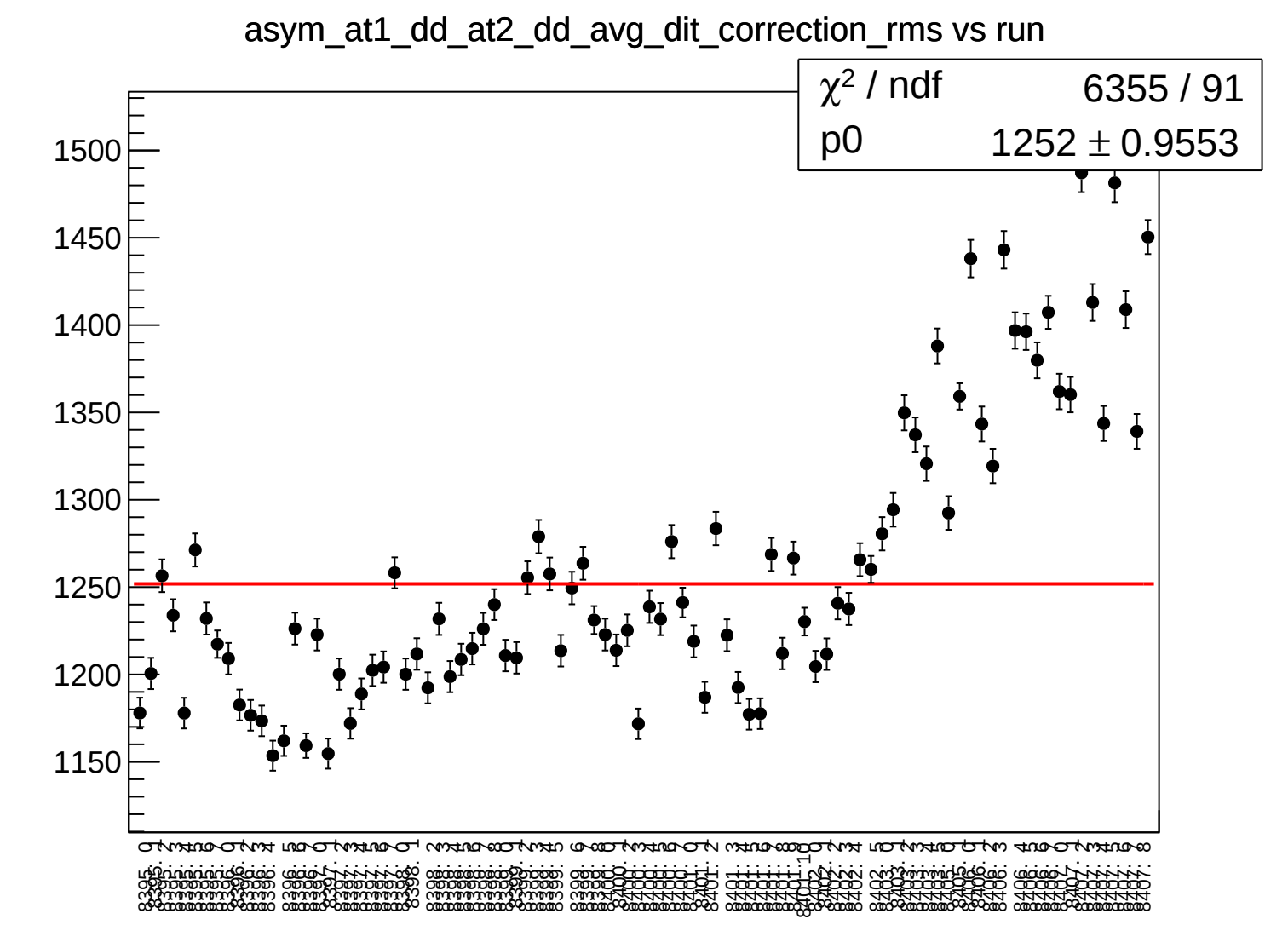

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5785 / 91
p0 1252 ± 0.9554
1500
1450
1400
1350
1300
1250
1200
1150

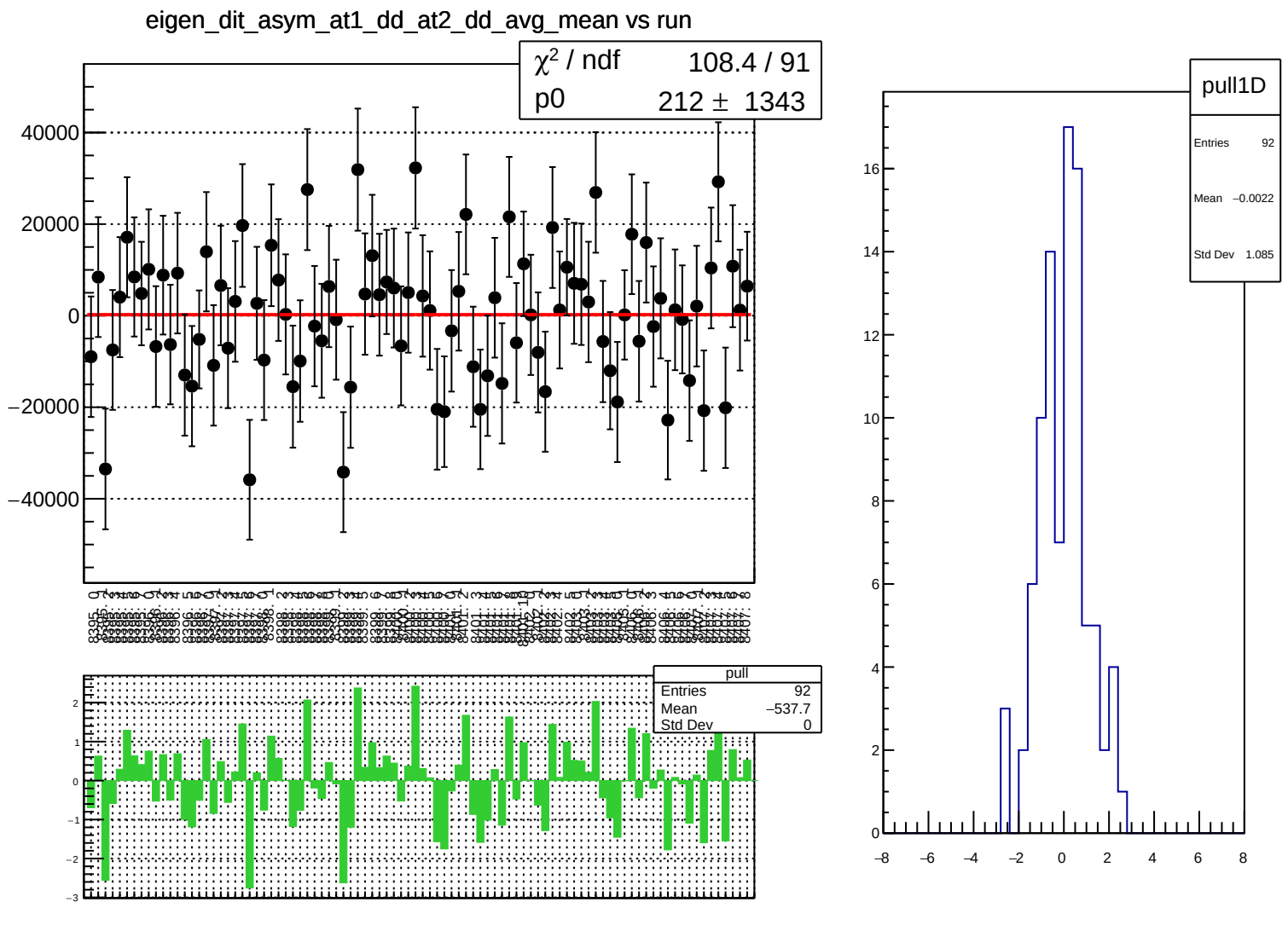

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 108.4 / 91
p0 212 ± 1343
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −537.7
Std Dev 0
2
1
0
−1
−2
−3

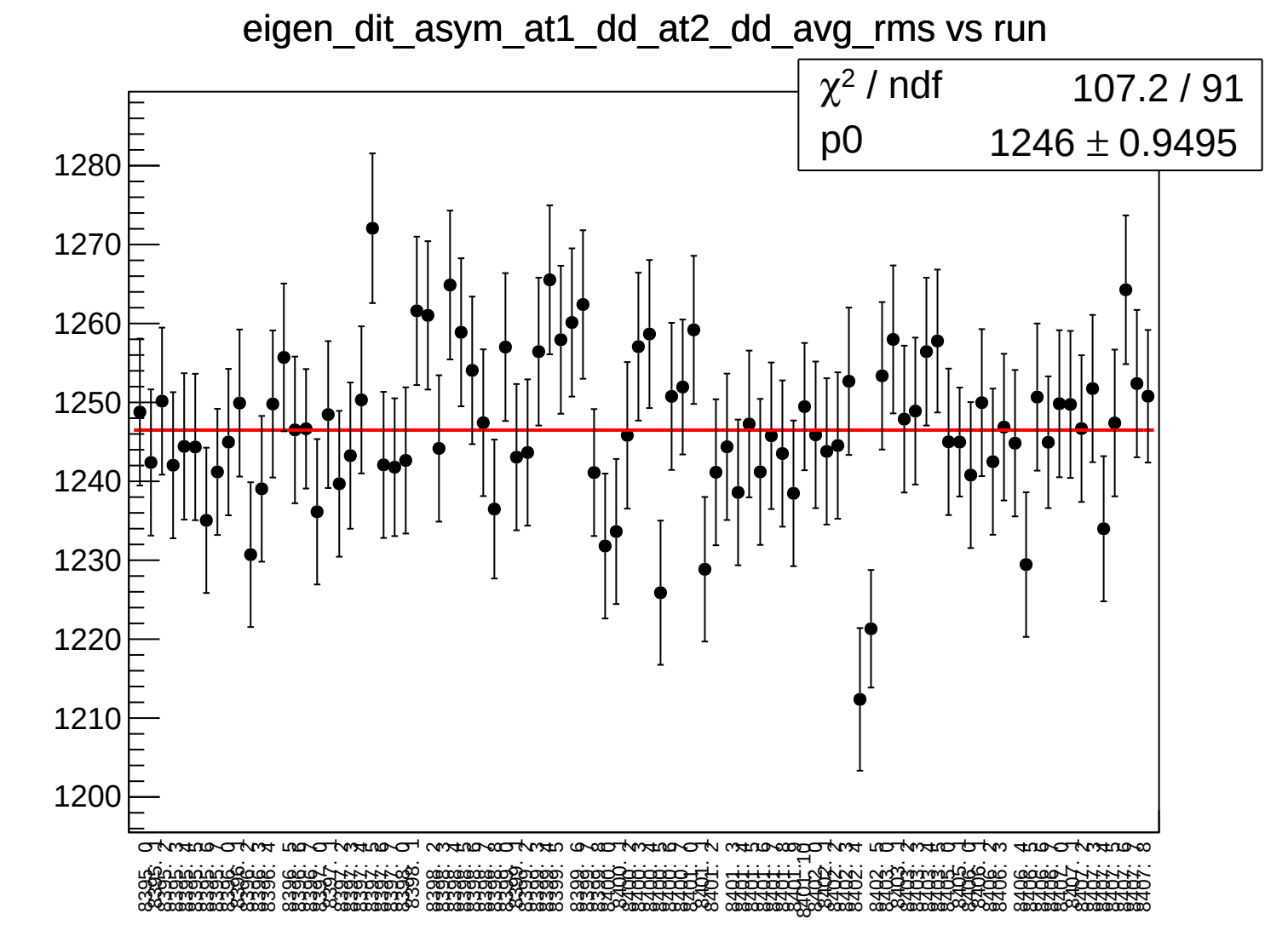

pull1D
Entries 92
Mean −0.0022
Std Dev 1.085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

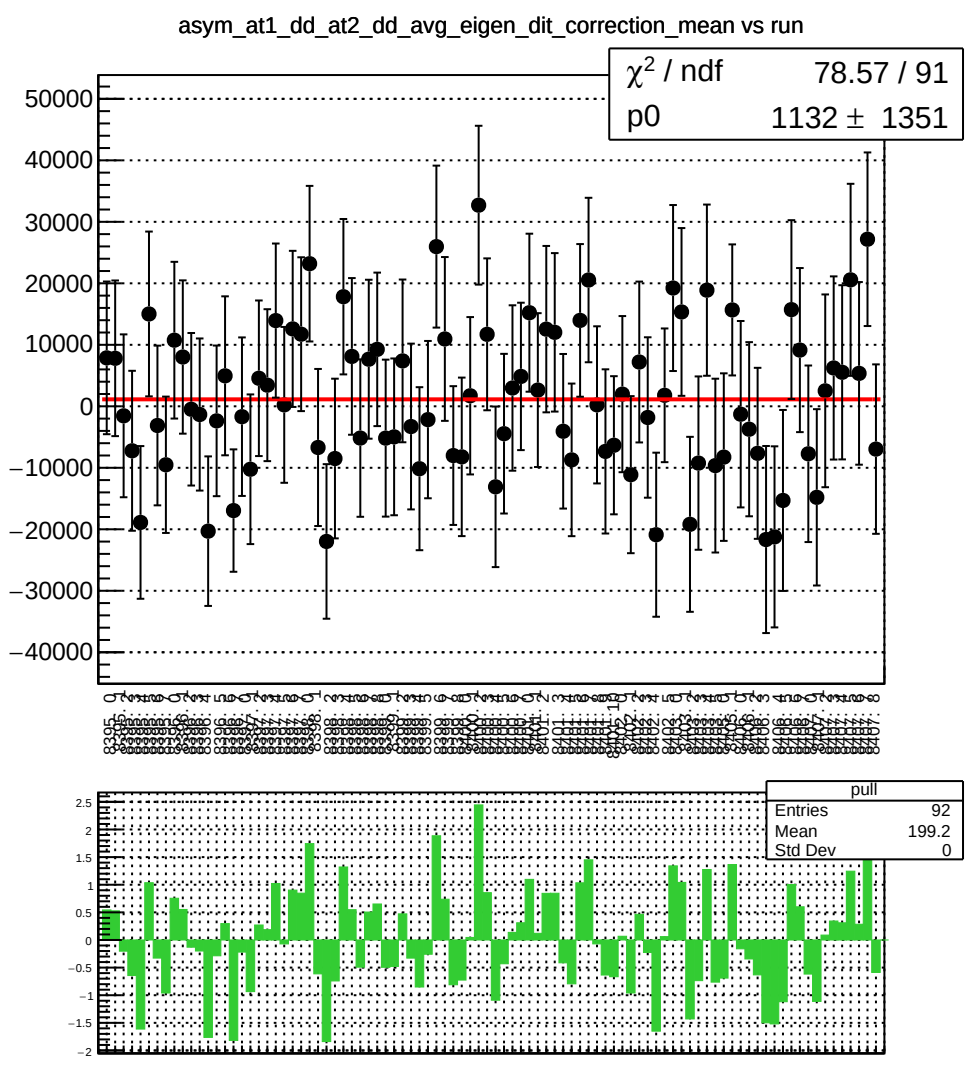

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 107.2 / 91
p0 1246 ± 0.9495
1280
1270
1260
1250
1240
1230
1220
1210
1200

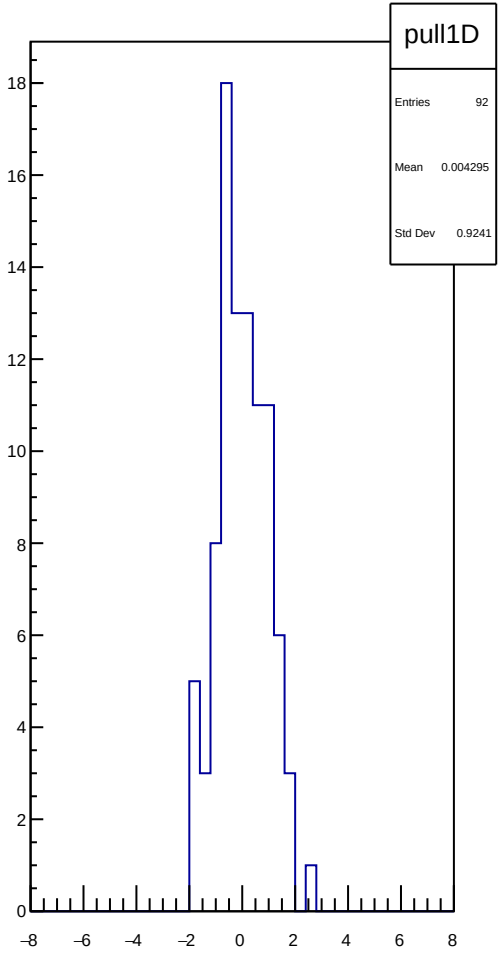

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 78.57 / 91
p0 1132 ± 1351
pull
Entries 92
Mean 199.2
Std Dev 0
pull1D
Entries 92
Mean 0.004295
Std Dev 0.9241

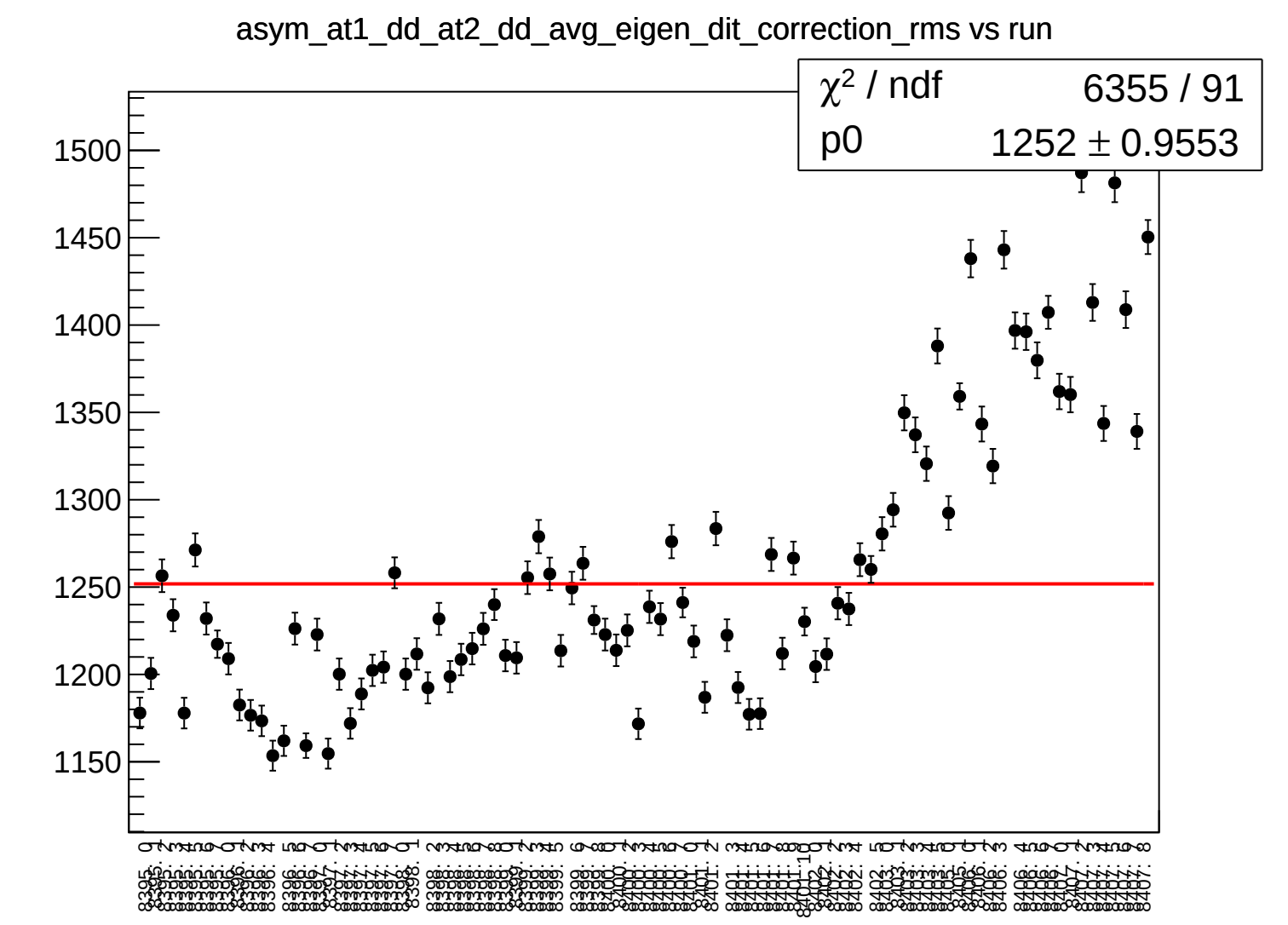

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 6355 / 91
p0 1252 ± 0.9553
1500
1450
1400
1350
1300
1250
1200
1150

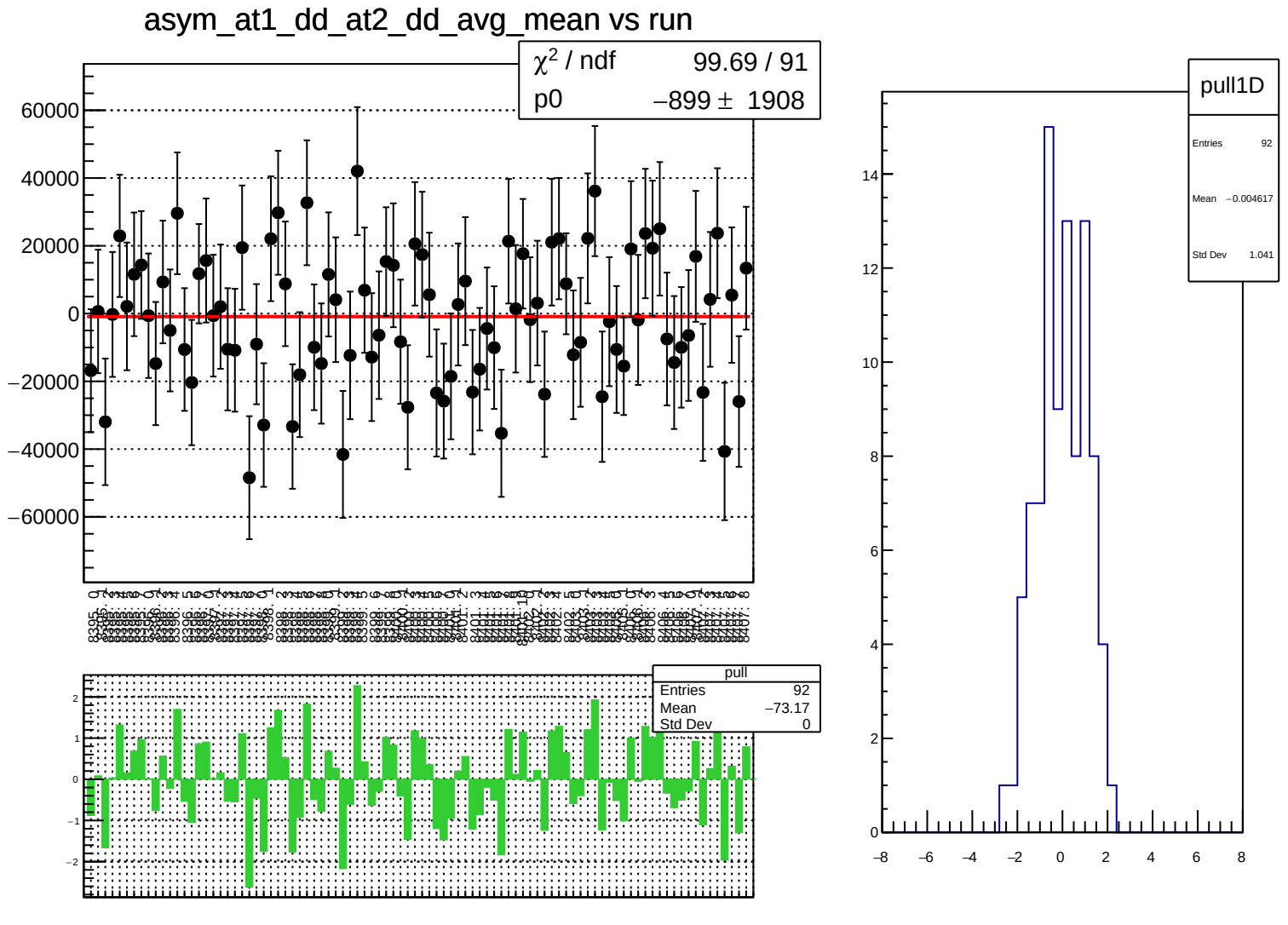

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 108.4 / 91
p0 212 ± 1343
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −537.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.0022
Std Dev 1.085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

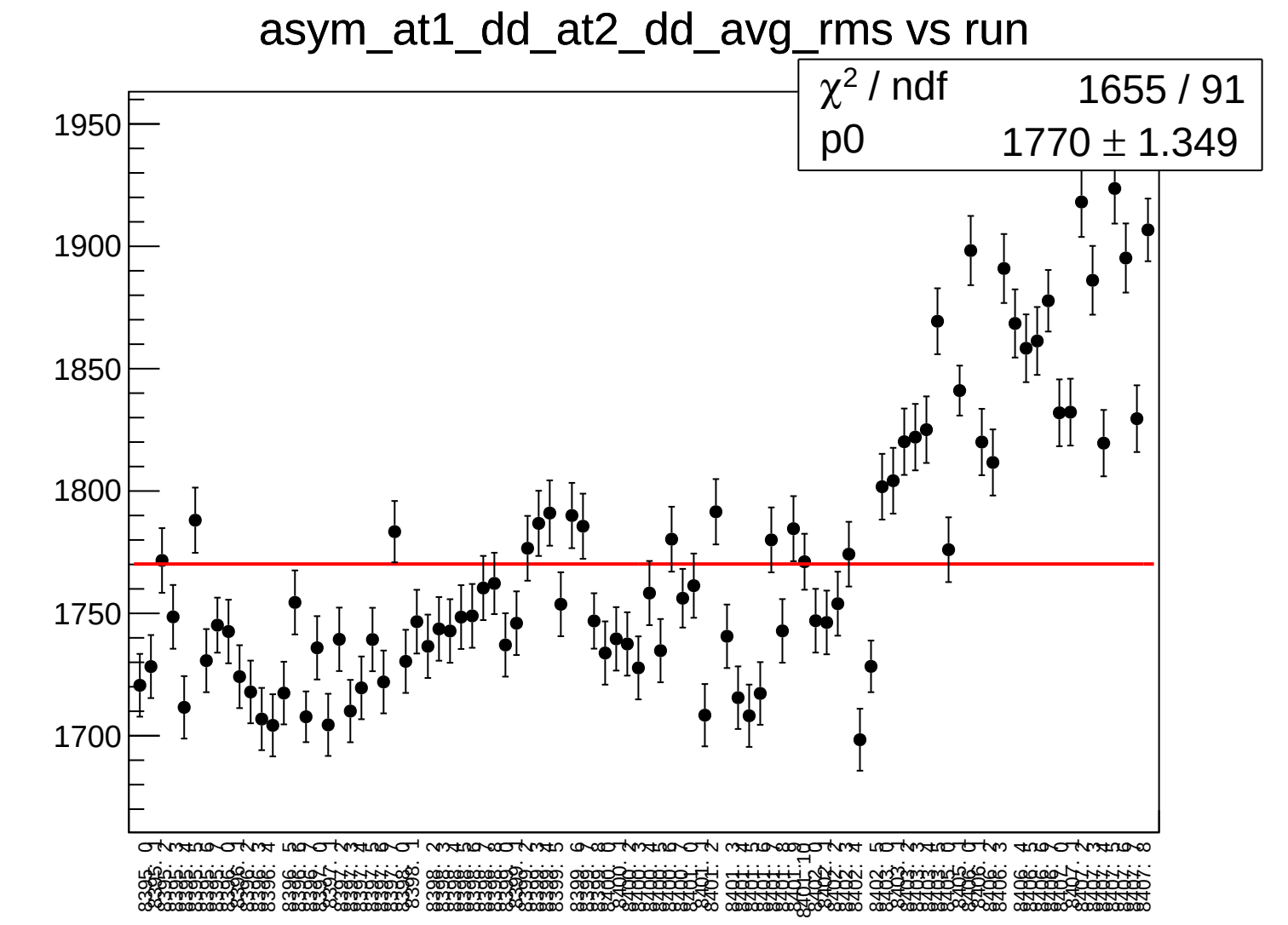

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 107.2 / 91
p0 1246 ± 0.9495
1280
1270
1260
1250
1240
1230
1220
1210
1200

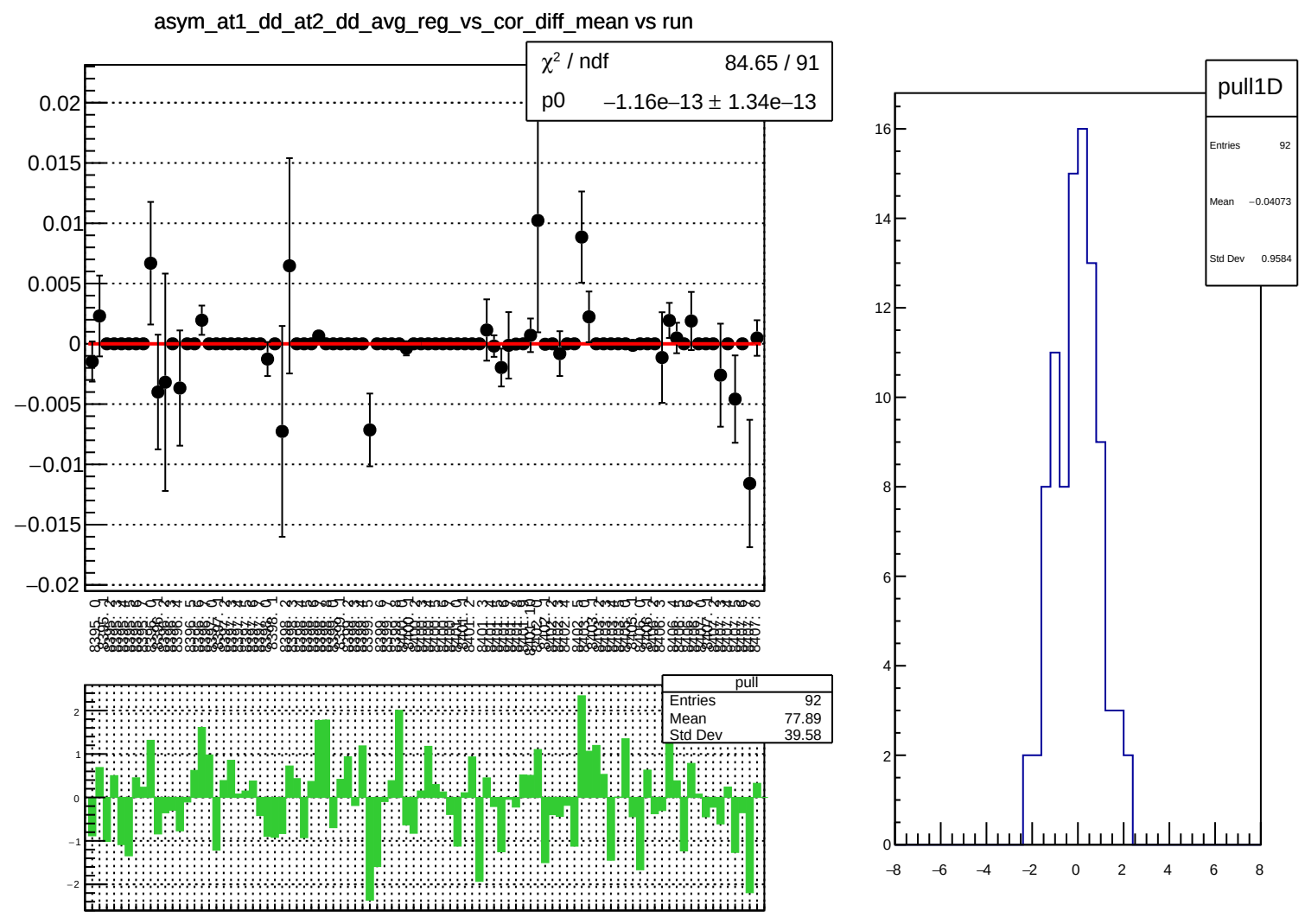

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.57 / 91
p0 1132 ± 1351
pull
Entries 92
Mean 199.2
Std Dev 0

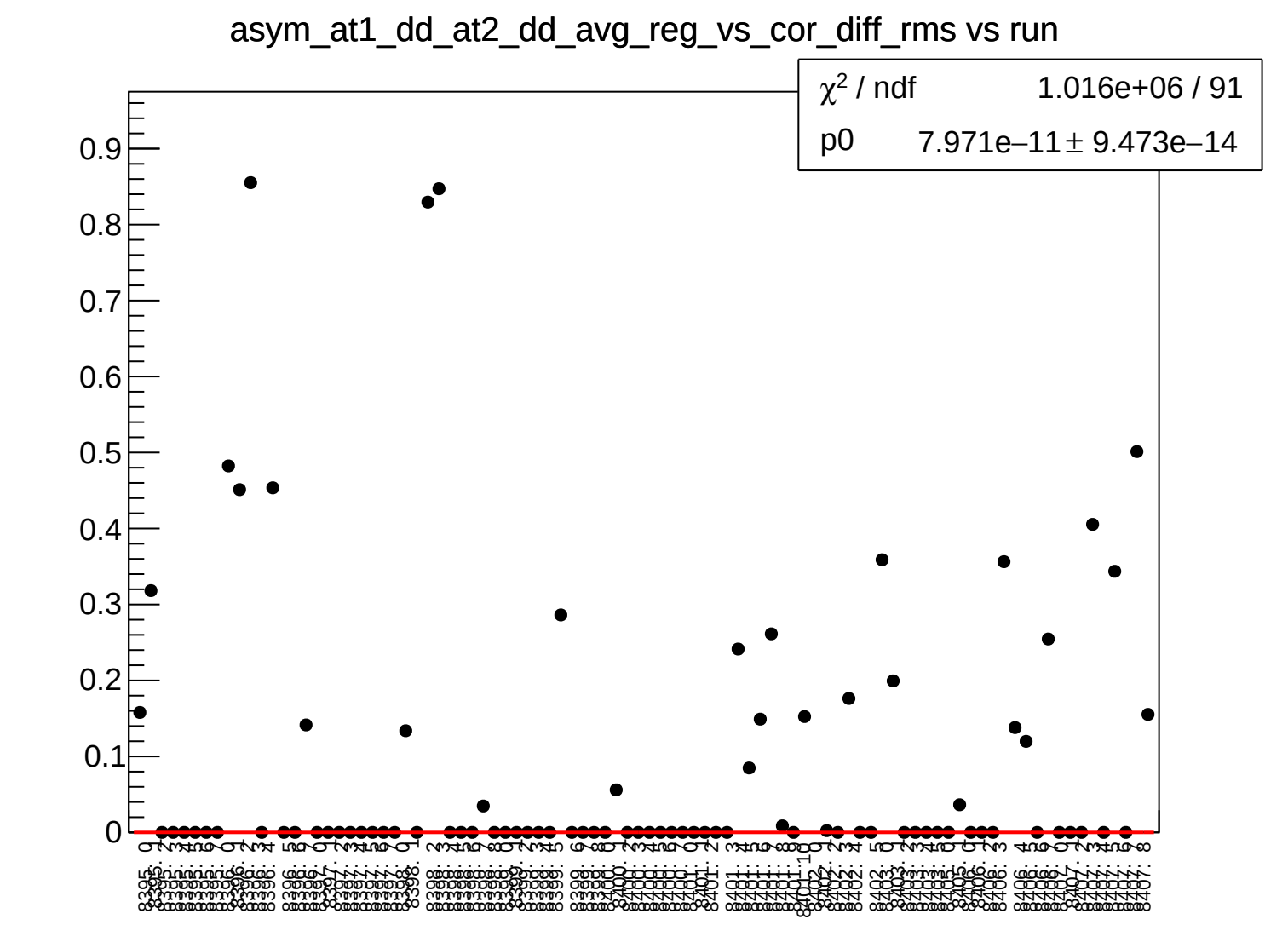

pull1D
Entries 92
Mean 0.004295
Std Dev 0.9241

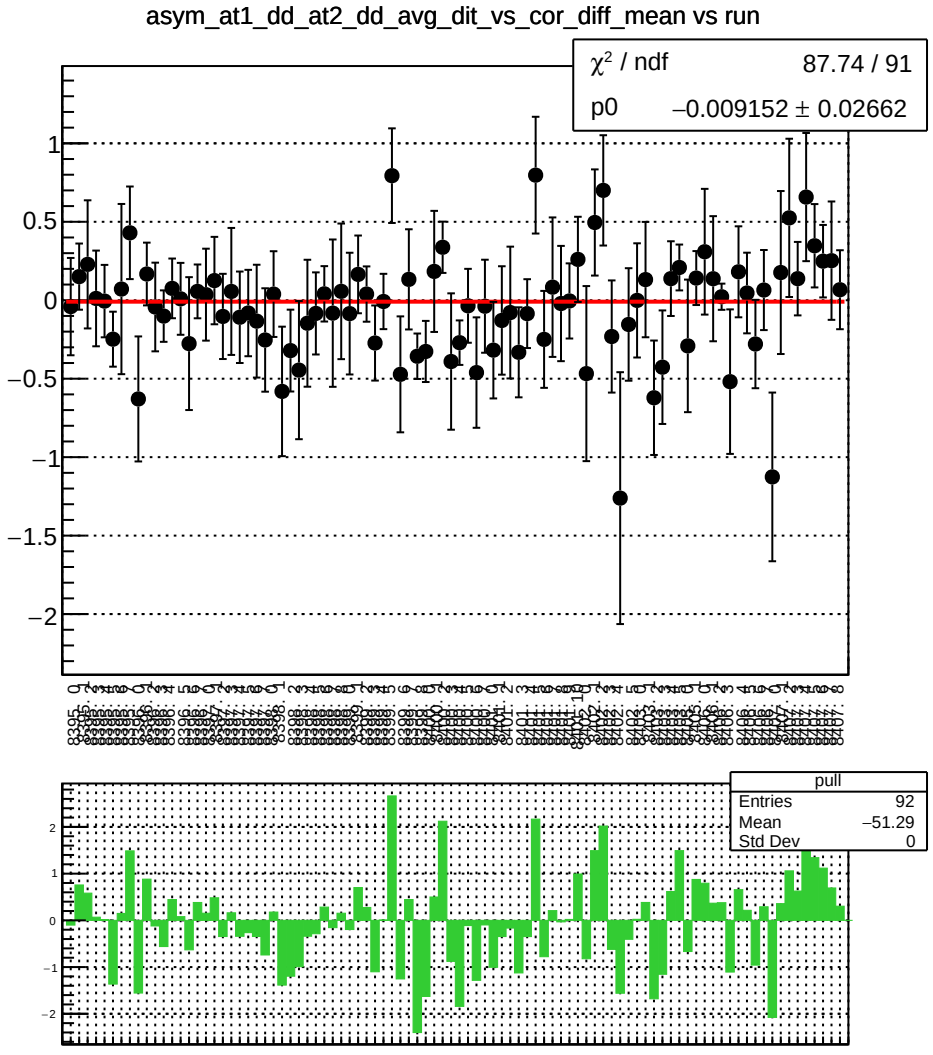

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 6355 / 91
p0 1252 ± 0.9553
1500
1450
1400
1350
1300
1250
1200
1150

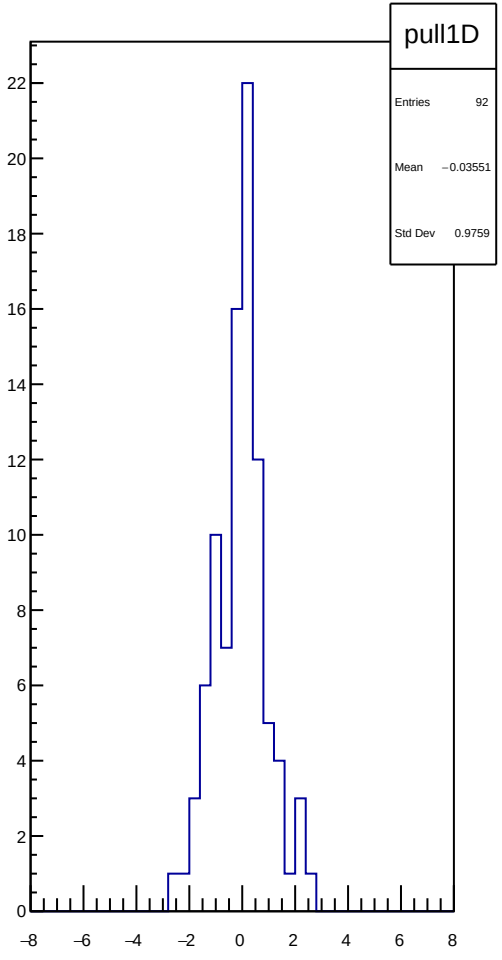

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 99.69 / 91
p0 −899 ± 1908
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −73.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.004617
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

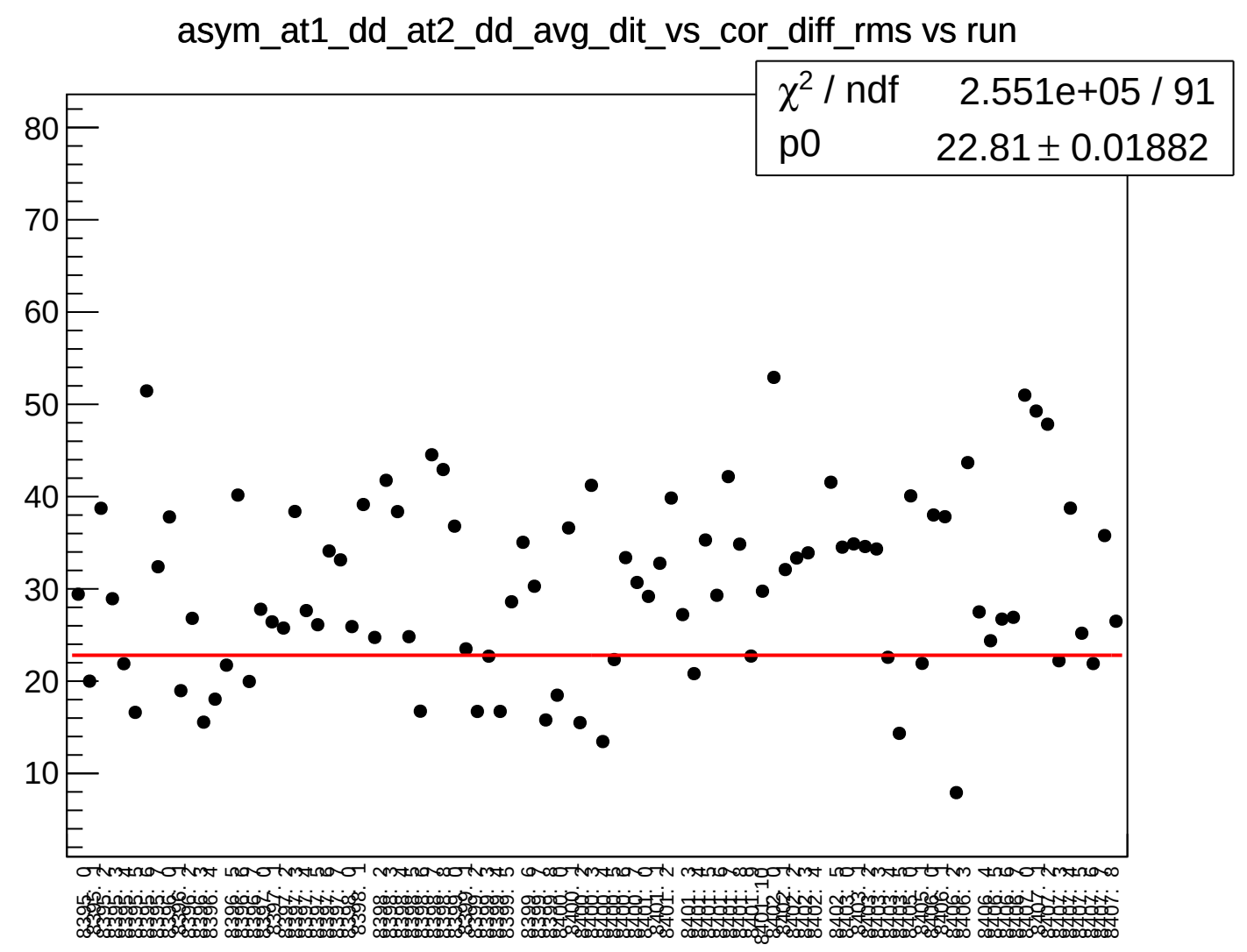

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1655 / 91
p0 1770 ± 1.349
1950
1900
1850
1800
1750
1700

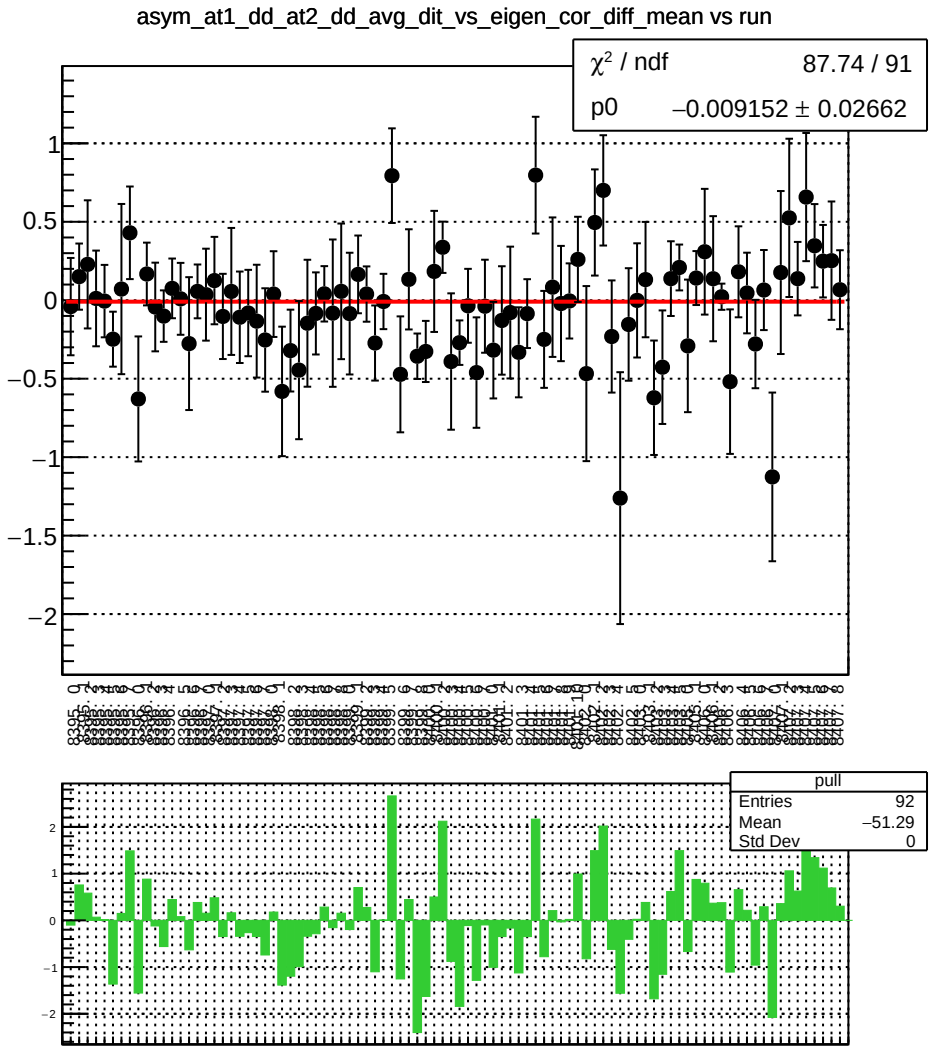

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.65 / 91
p0 −1.16e−13 ± 1.34e−13
pull
Entries 92
Mean 77.89
Std Dev 39.58
pull1D
Entries 92
Mean −0.04073
Std Dev 0.9584

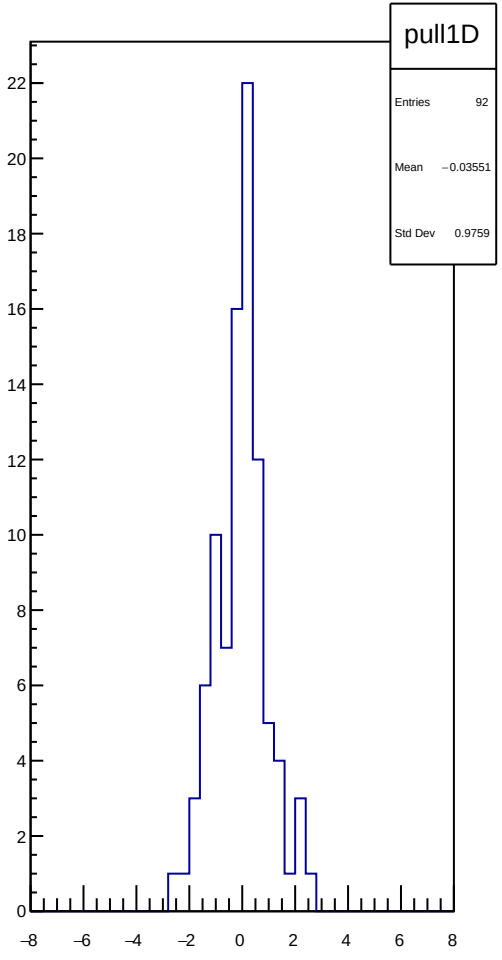

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.016e+06 / 91
p0 7.971e−11 ± 9.473e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

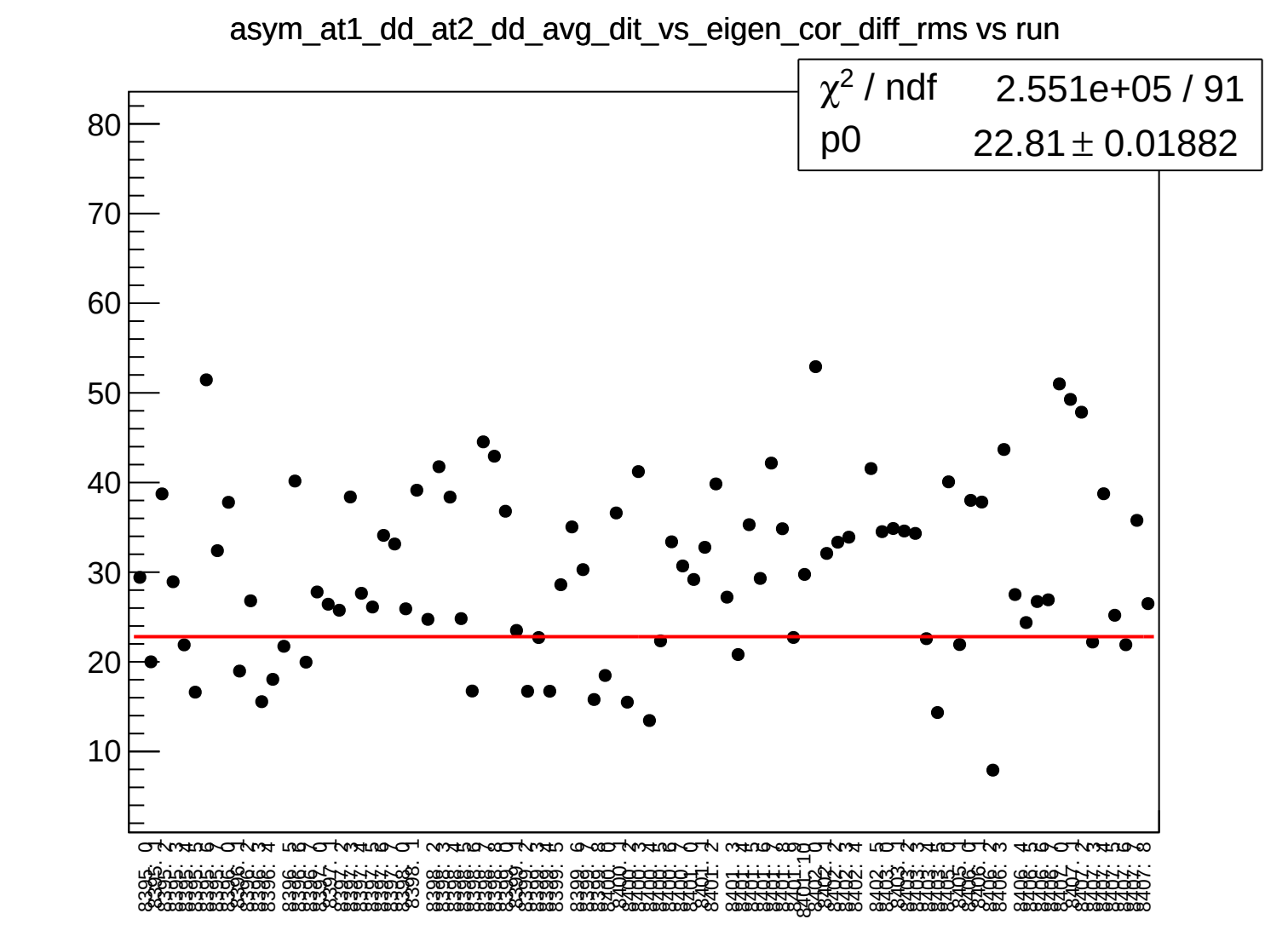

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009152 ± 0.02662
pull
Entries 92
Mean −51.29
Std Dev 0

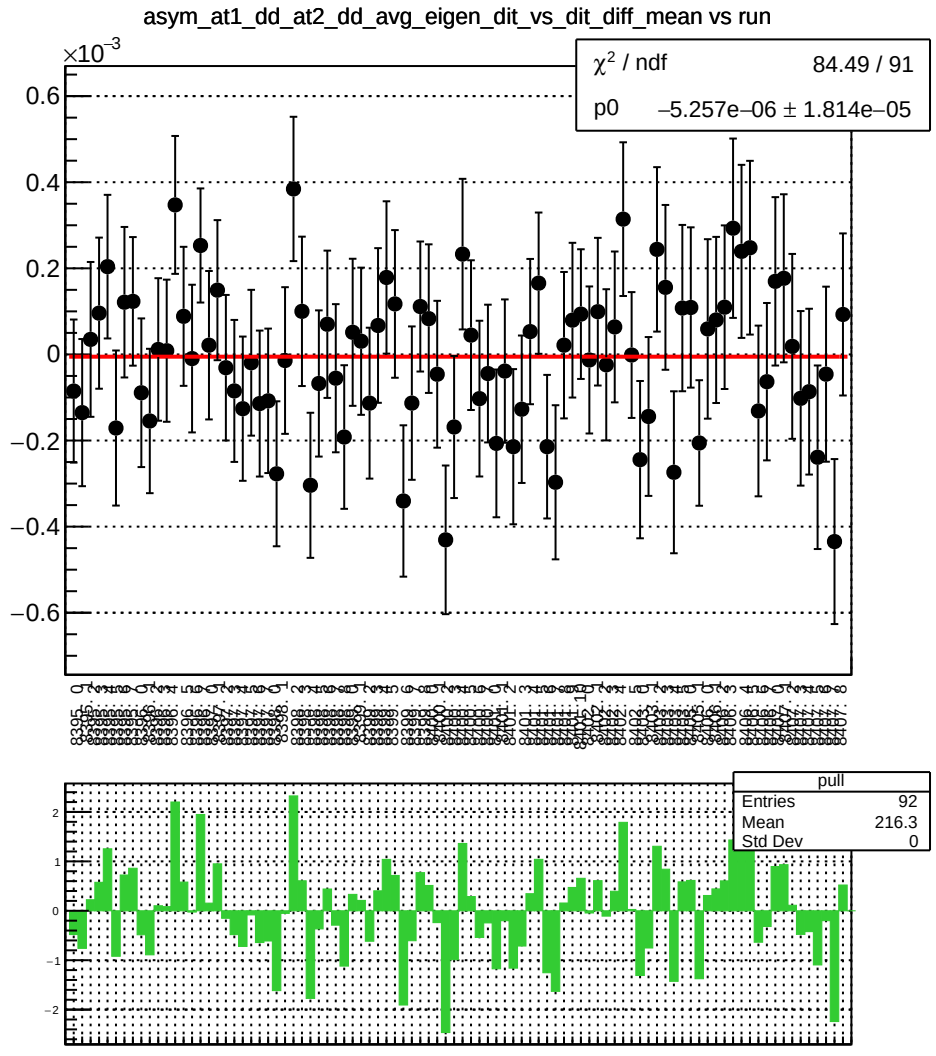

pull1D
Entries 92
Mean −0.03551
Std Dev 0.9759

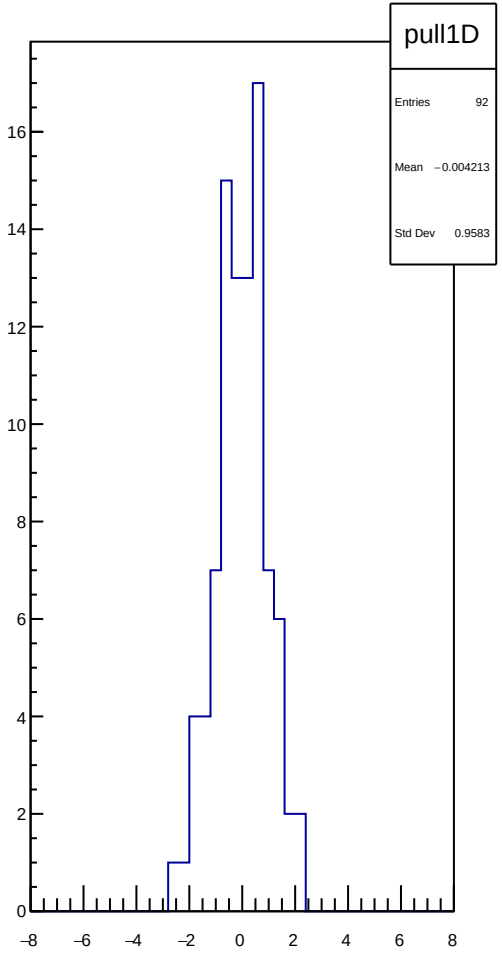

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

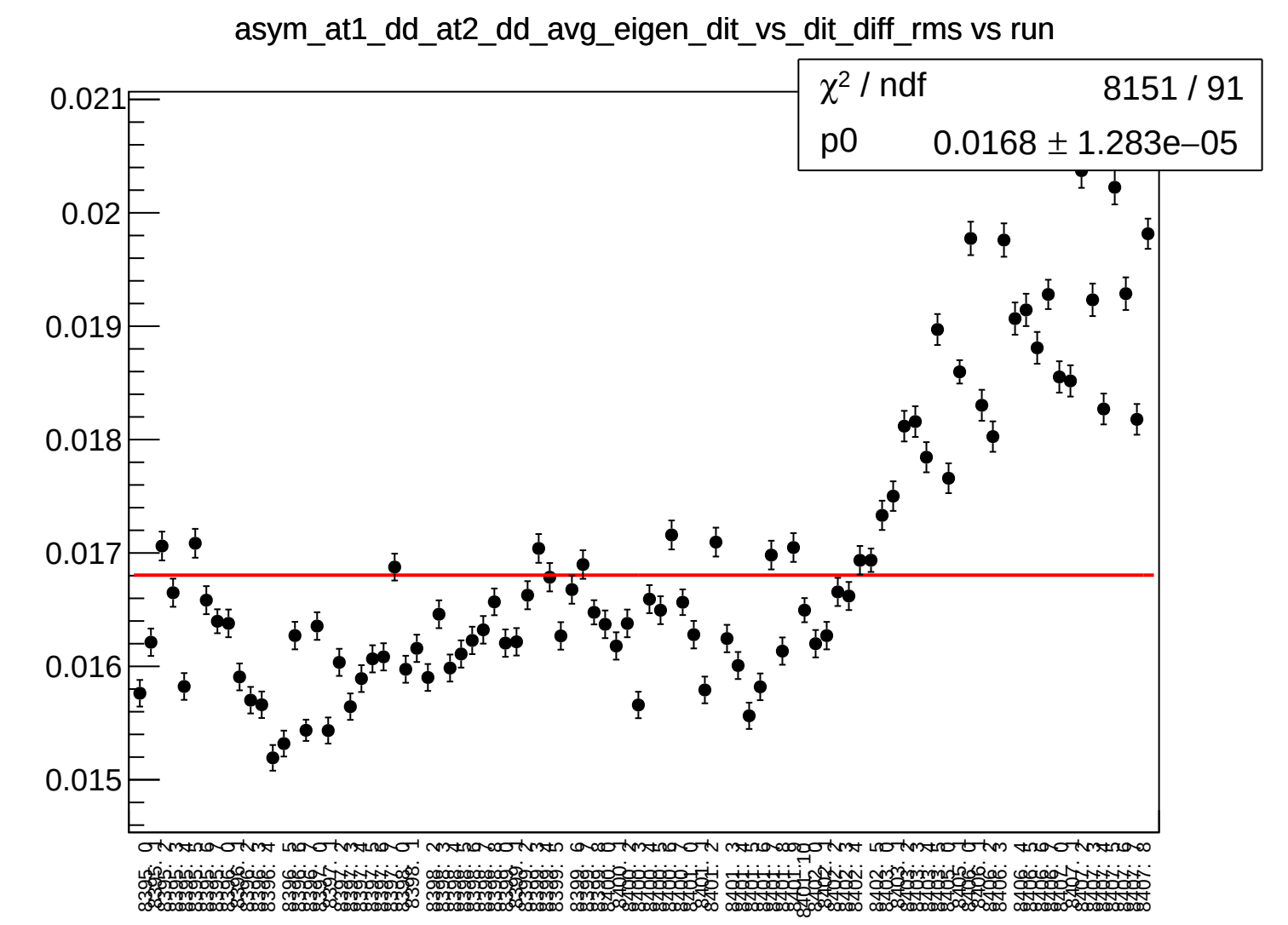

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009152 ± 0.02662
pull
Entries 92
Mean −51.29
Std Dev 0

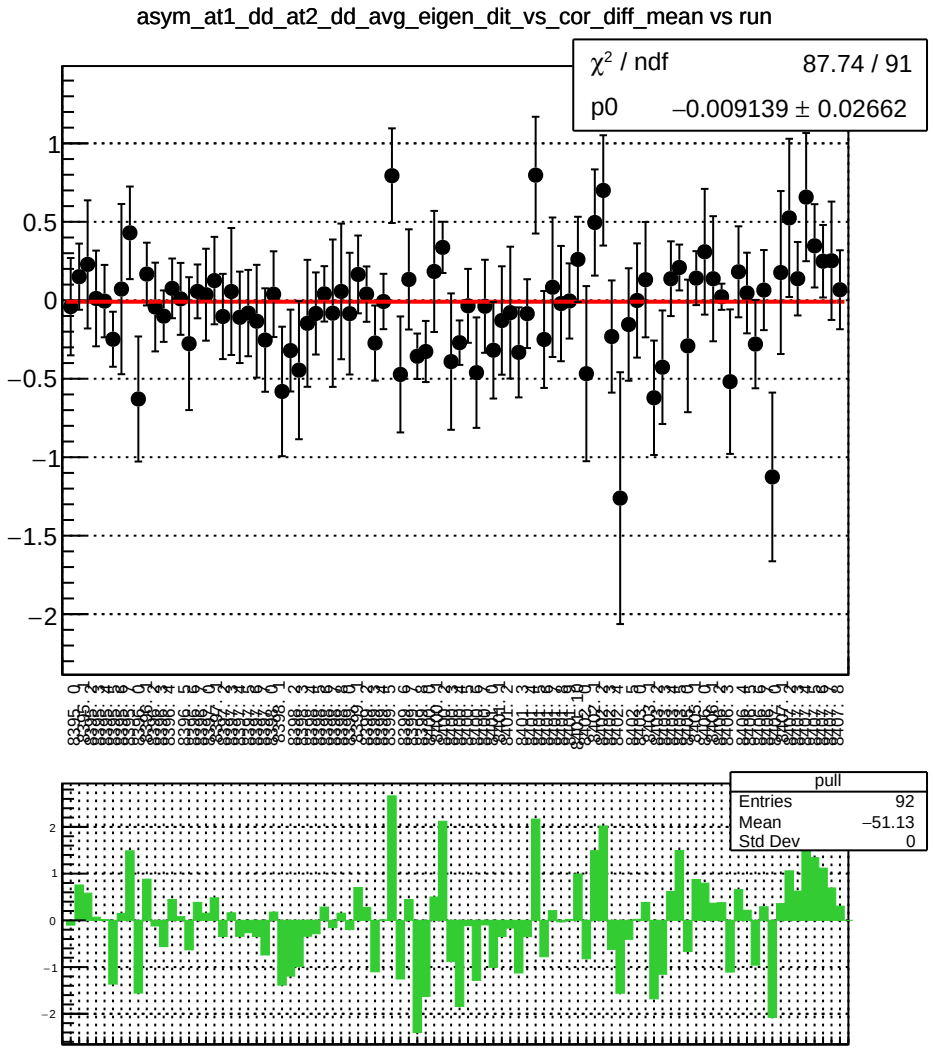

pull1D
Entries 92
Mean −0.03551
Std Dev 0.9759

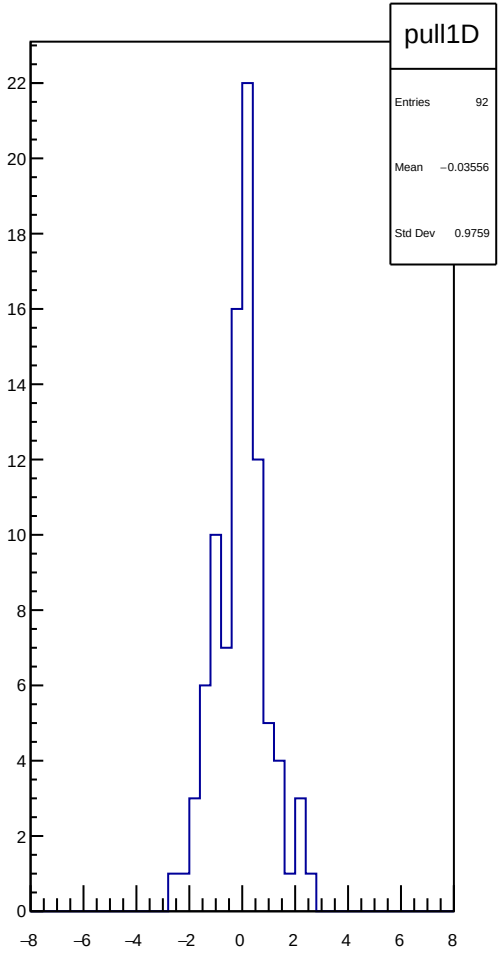

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

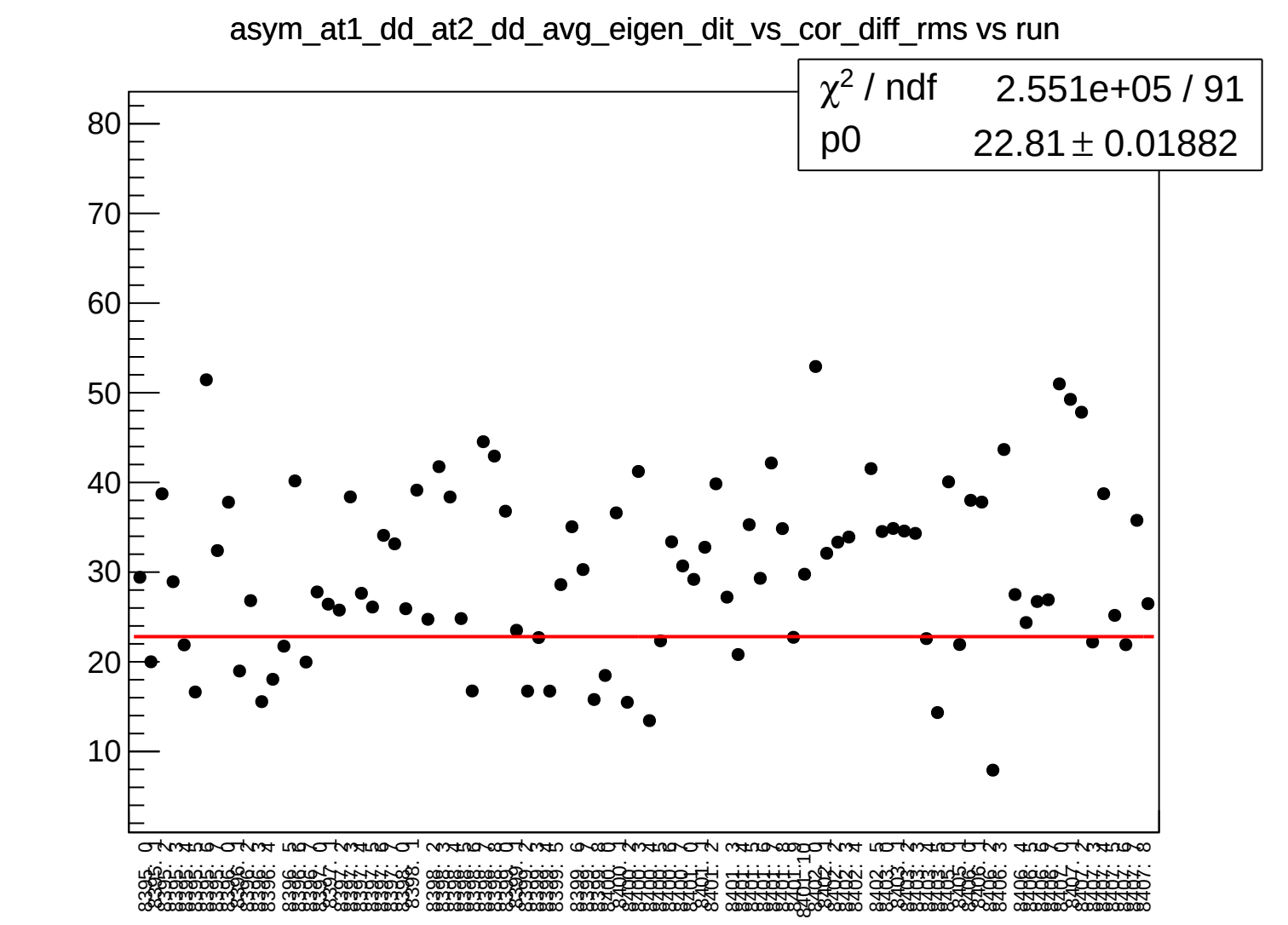

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.49 / 91
p0 −5.257e−06 ± 1.814e−05
pull
Entries 92
Mean 216.3
Std Dev 0

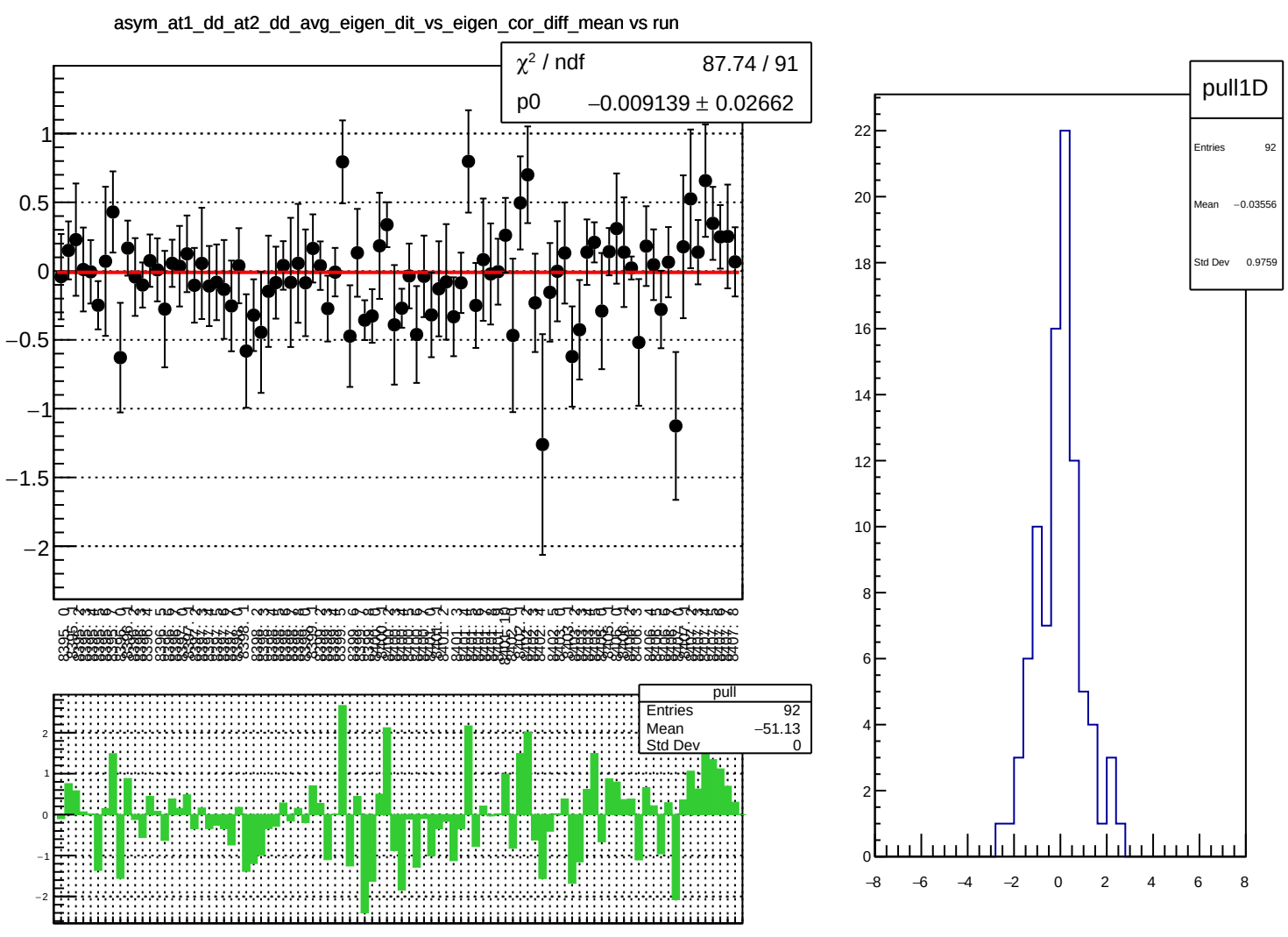

pull1D
Entries 92
Mean −0.004213
Std Dev 0.9583

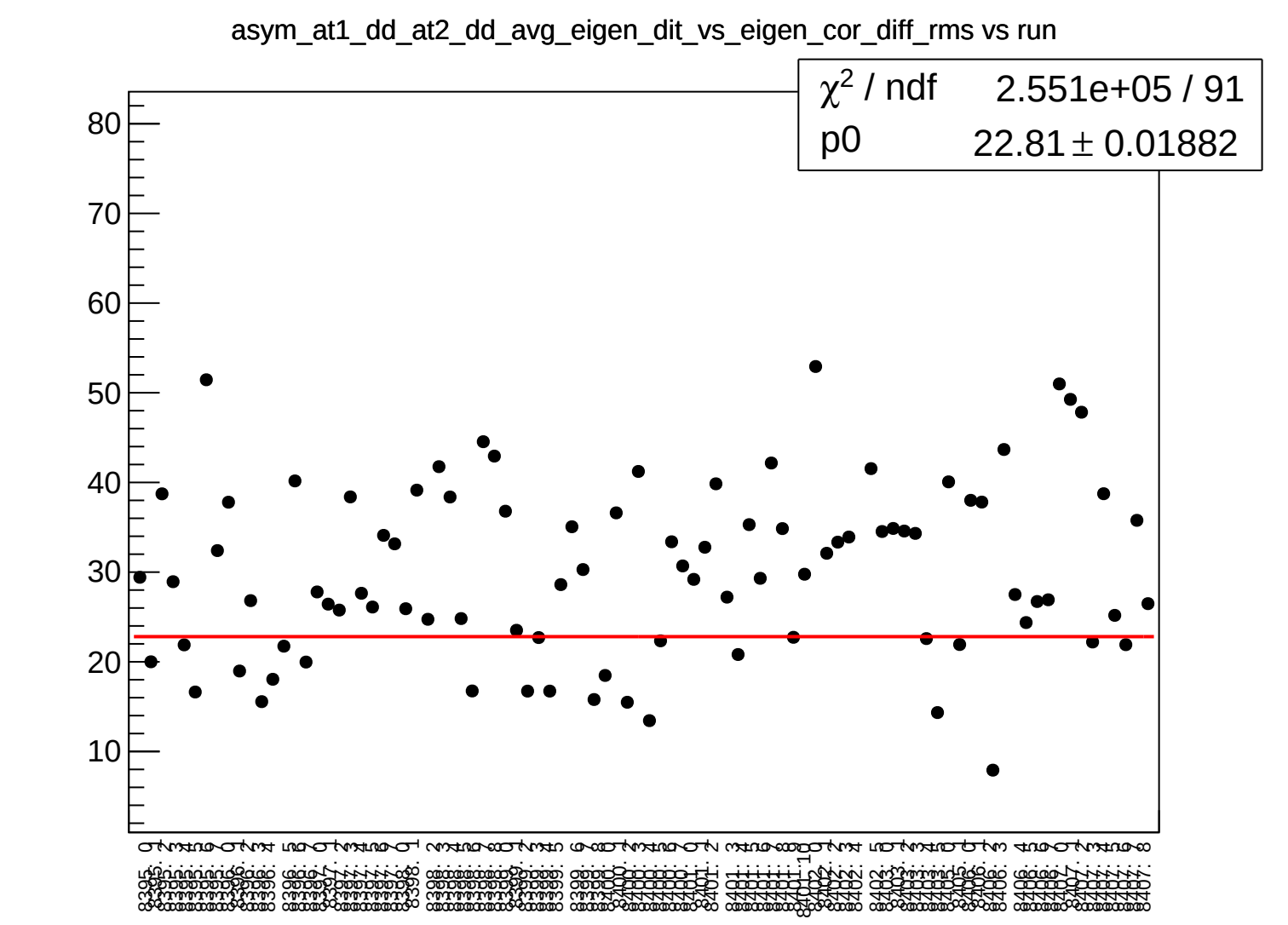

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8151 / 91
p0 0.0168 ± 1.283e−05
0.021
0.02
0.019
0.018
0.017
0.016
0.015

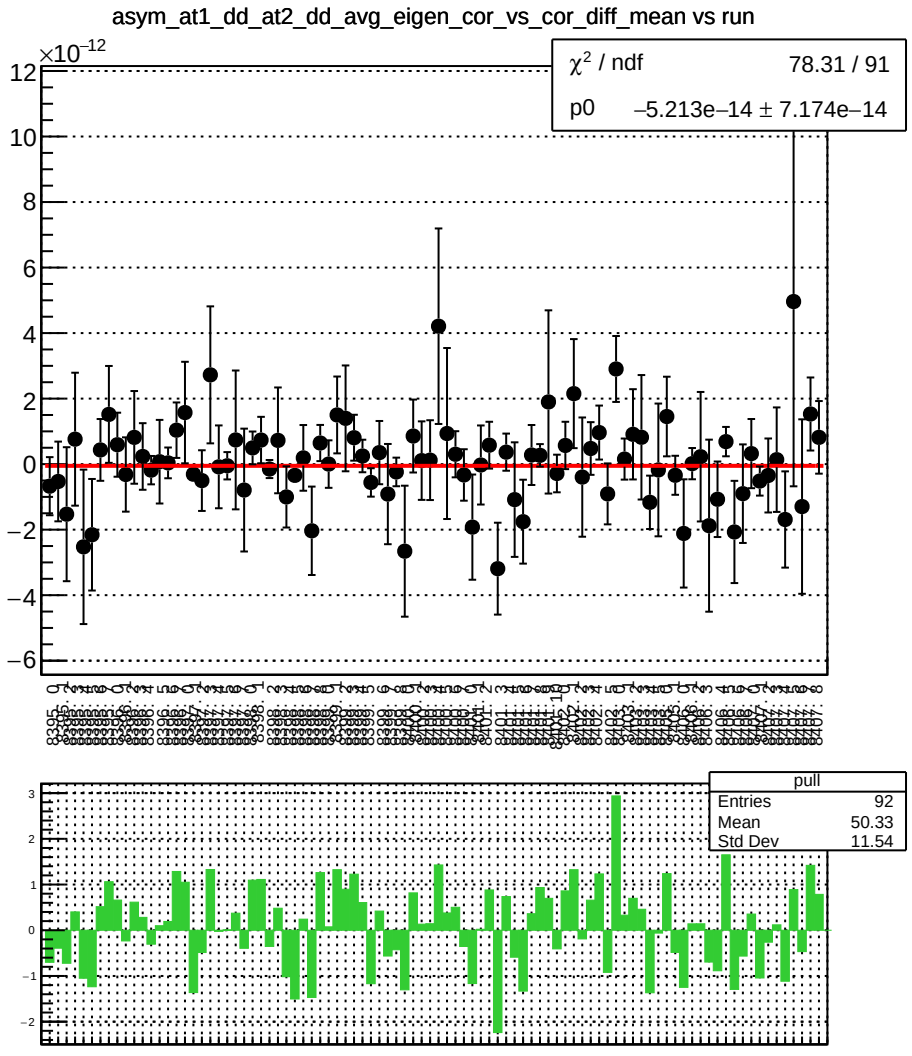

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009139 ± 0.02662
pull
Entries 92
Mean −51.13
Std Dev 0

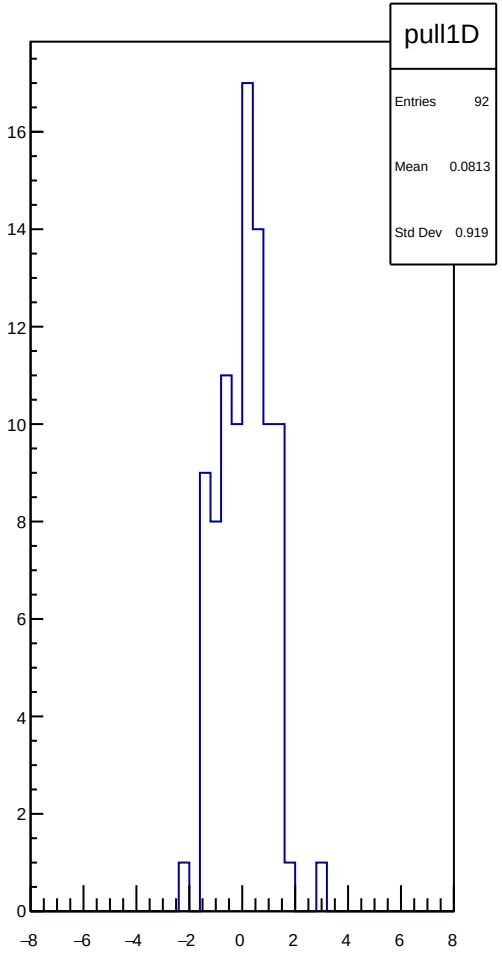

pull1D
Entries 92
Mean −0.03556
Std Dev 0.9759

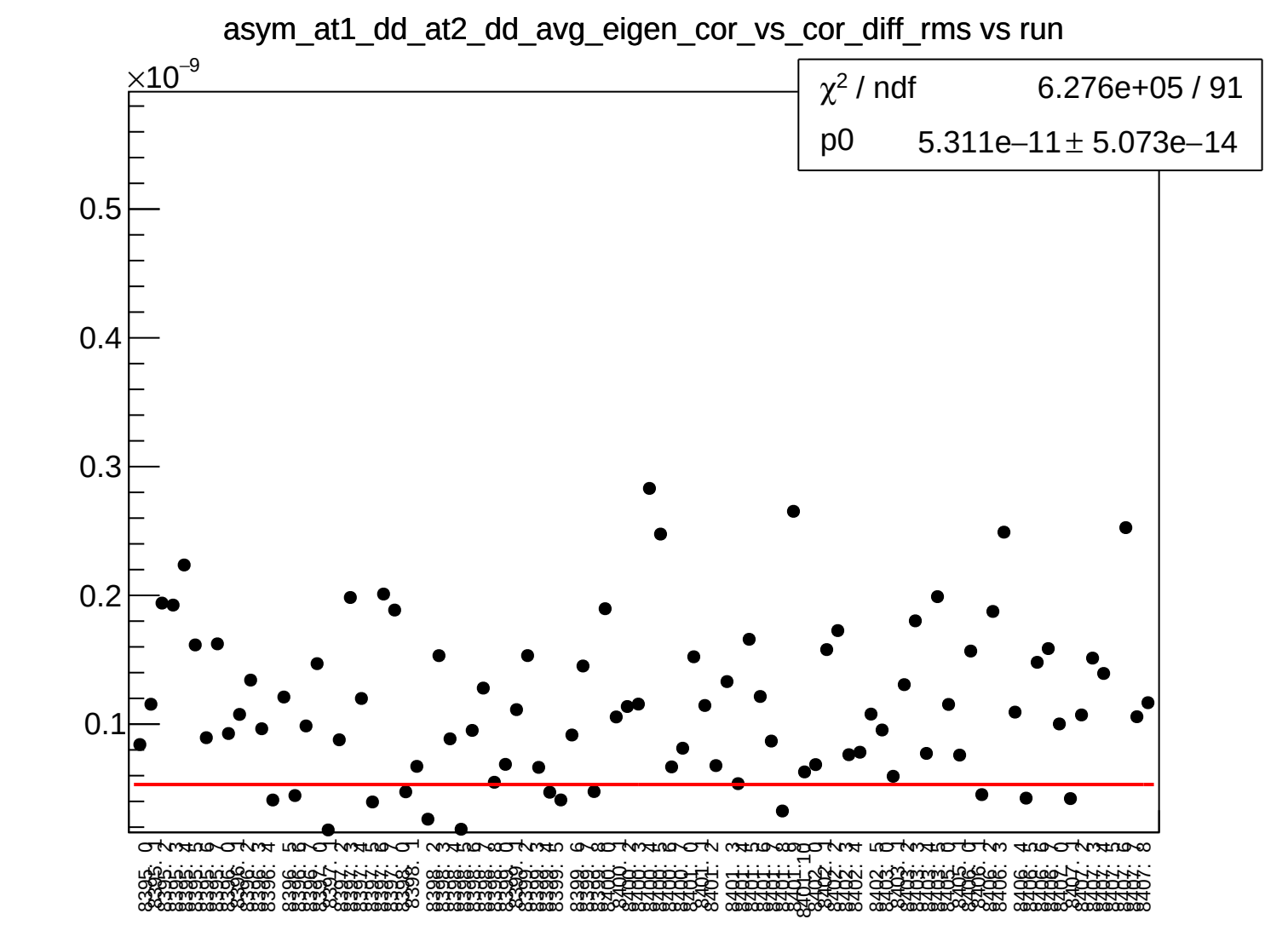

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

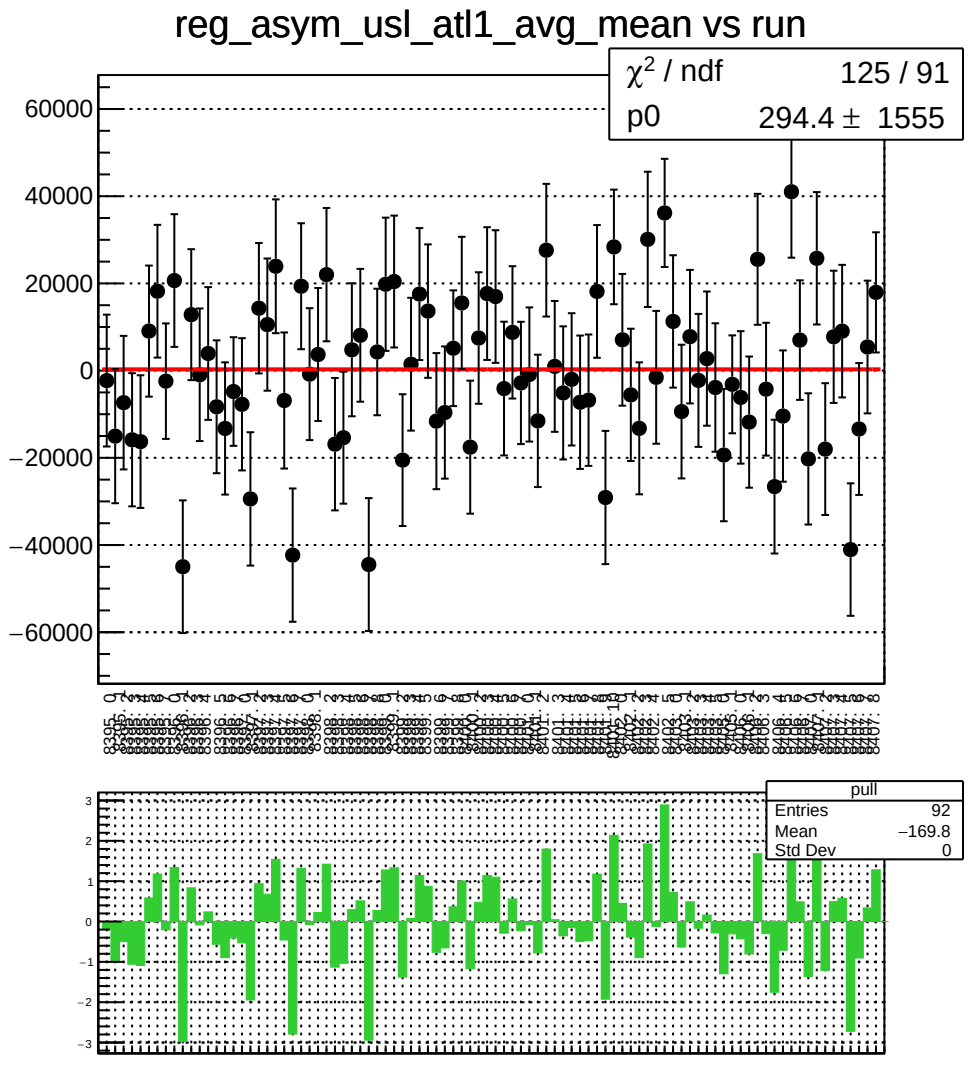

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.74 / 91
p0 −0.009139 ± 0.02662
pull
Entries 92
Mean −51.13
Std Dev 0
pull1D
Entries 92
Mean −0.03556
Std Dev 0.9759

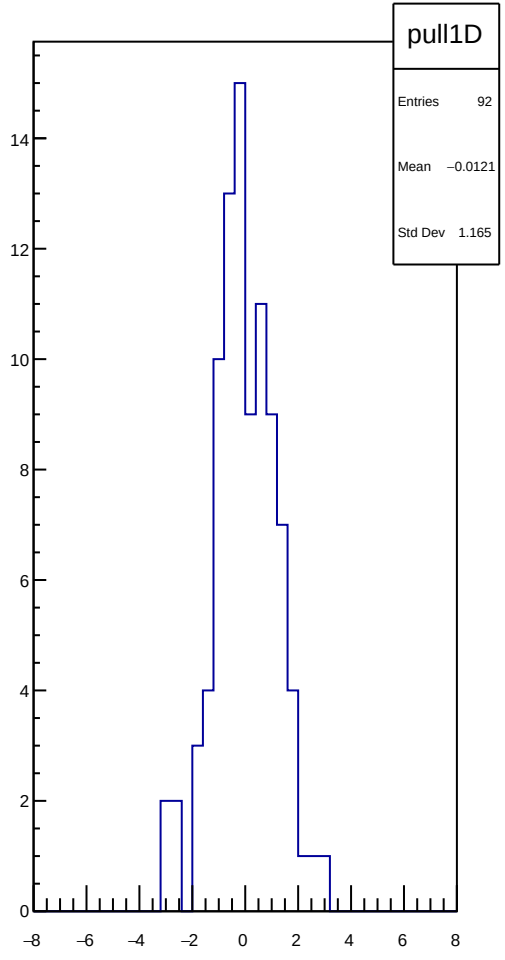

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.551e+05 / 91
p0 22.81 ± 0.01882
80
70
60
50
40
30
20
10

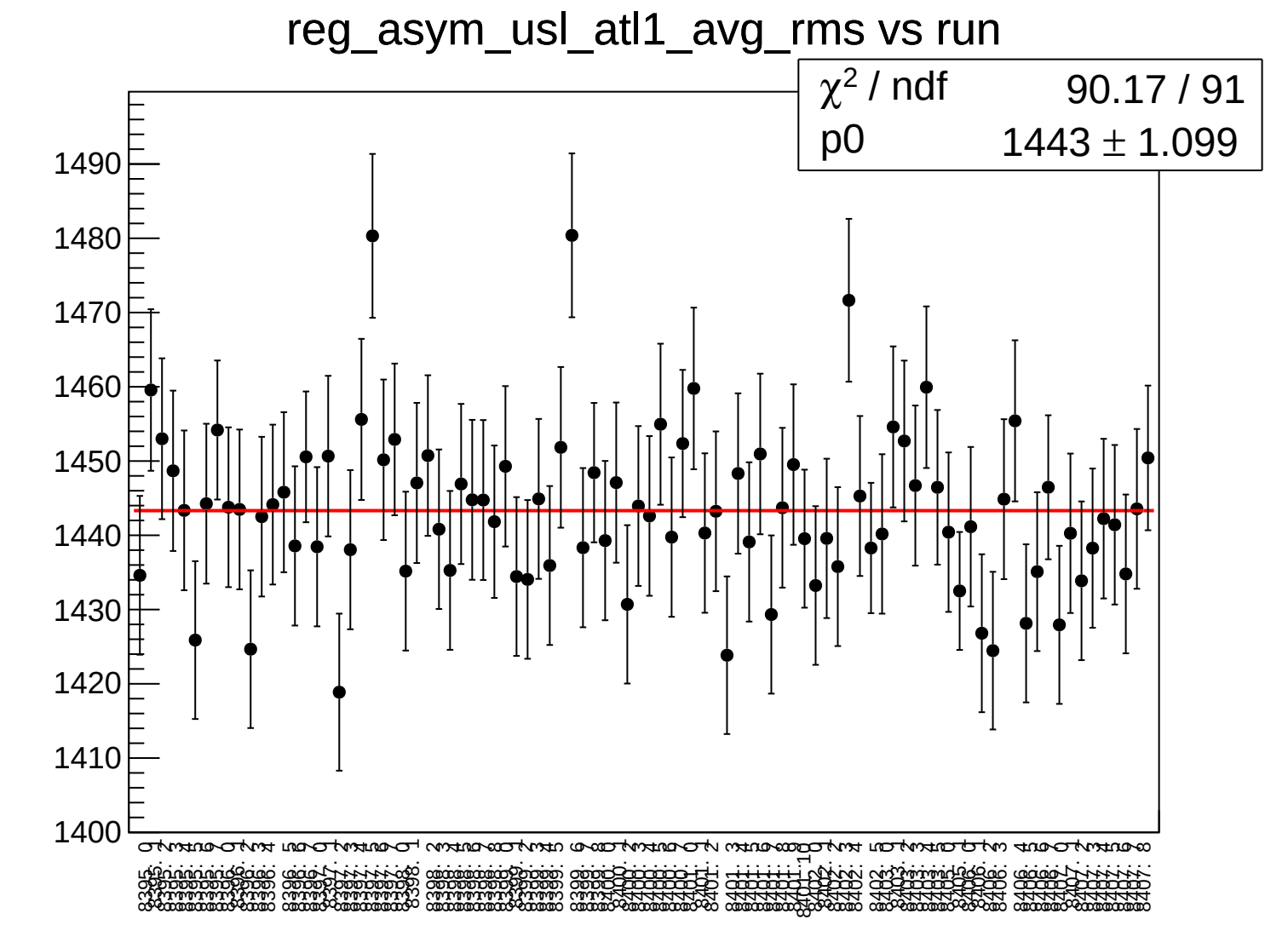

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.31 / 91
p0 −5.213e−14 ± 7.174e−14
pull
Entries 92
Mean 50.33
Std Dev 11.54

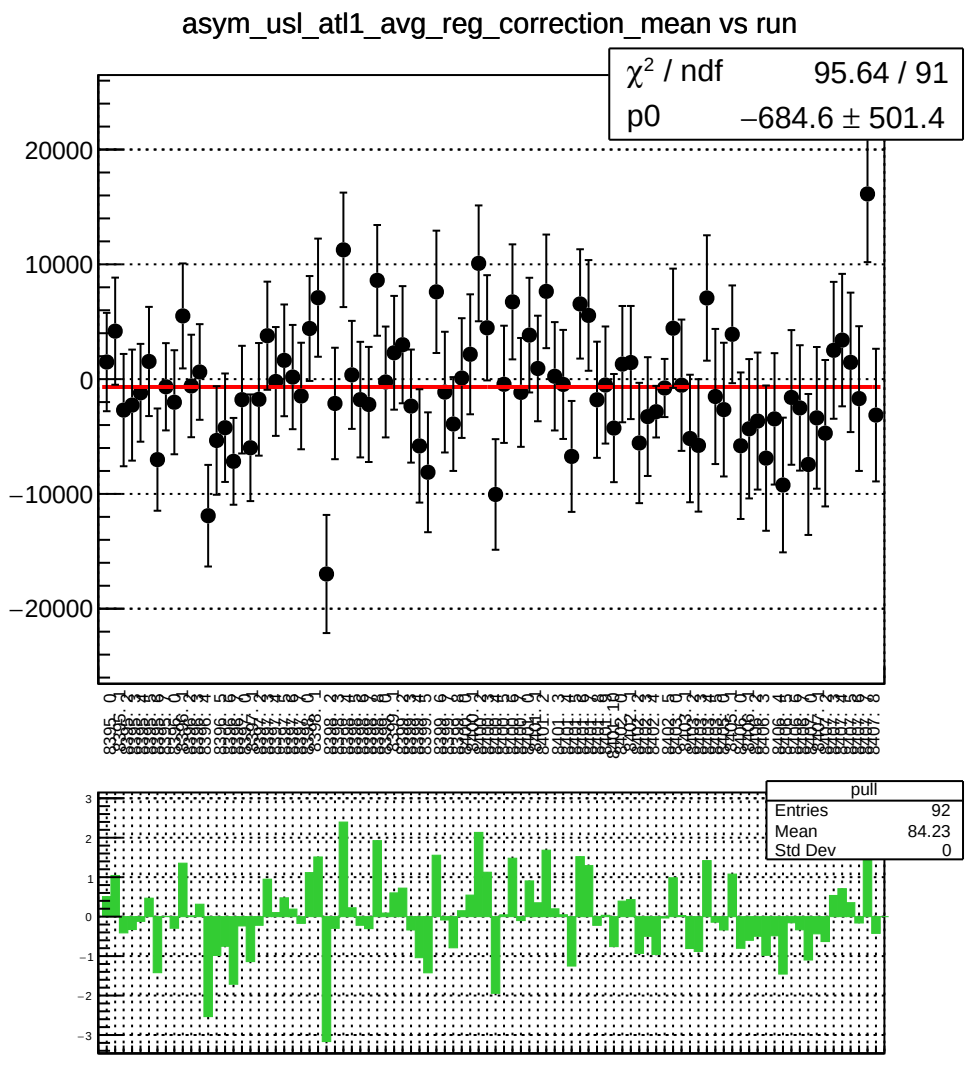

pull1D
Entries 92
Mean 0.0813
Std Dev 0.919

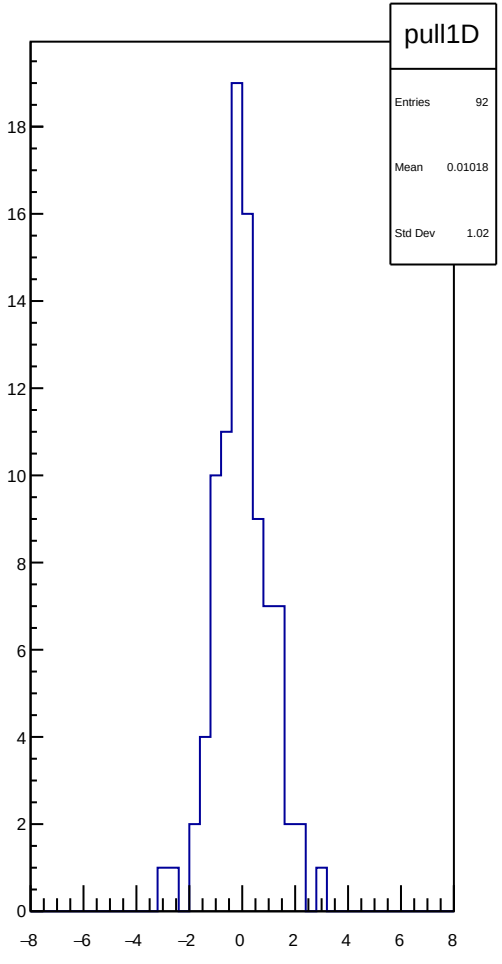

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.276e+05 / 91
p0 5.311e−11 ± 5.073e−14
0.5
0.4
0.3
0.2
0.1

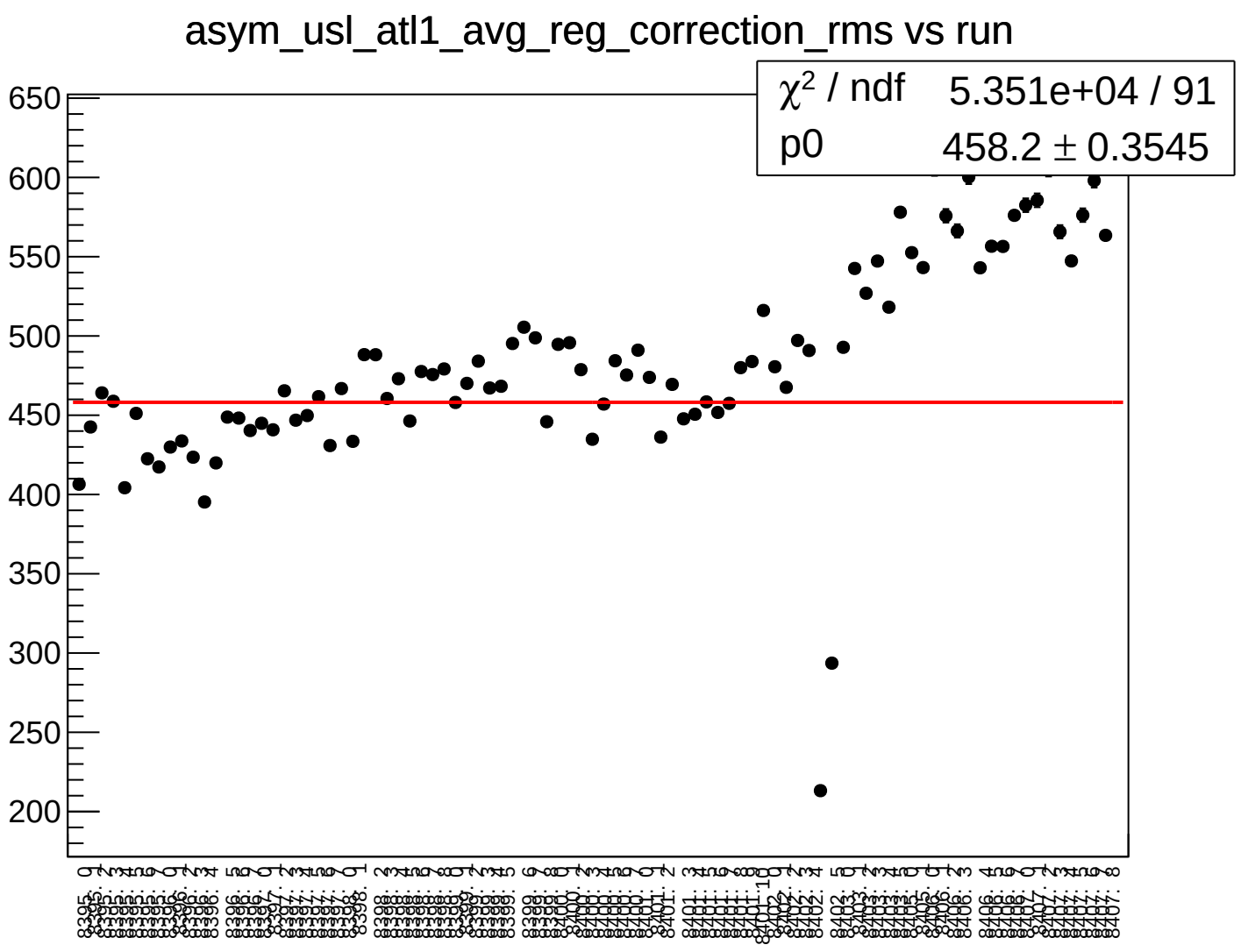

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 125 / 91
p0 294.4 ± 1555
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −169.8
Std Dev 0
3
2
1
0
−1
−2
−3

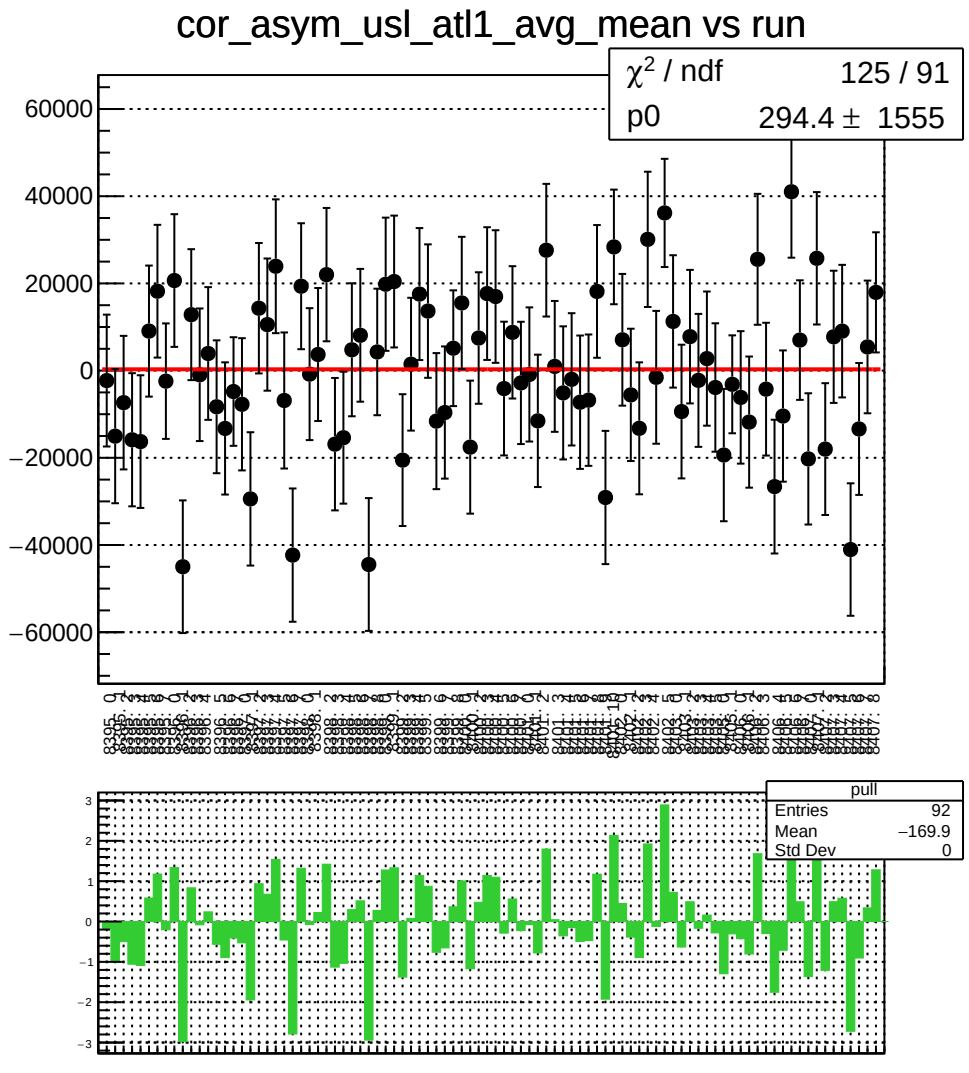

pull1D
Entries 92
Mean −0.0121
Std Dev 1.165
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

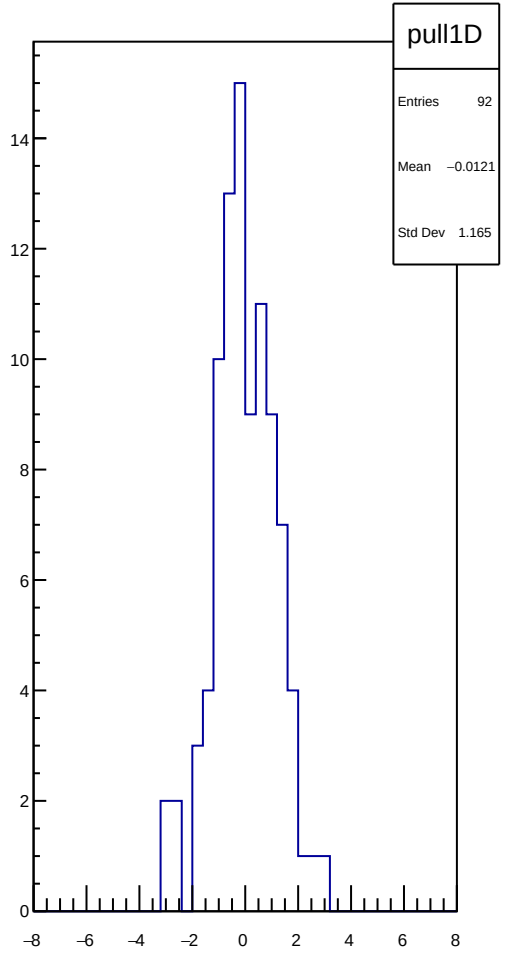

reg_asym_usl_atl1_avg_rms vs run
$\chi^2$ / ndf 90.17 / 91
p0 1443 ± 1.099
1490
1480
1470
1460
1450
1440
1430
1420
1410
1400

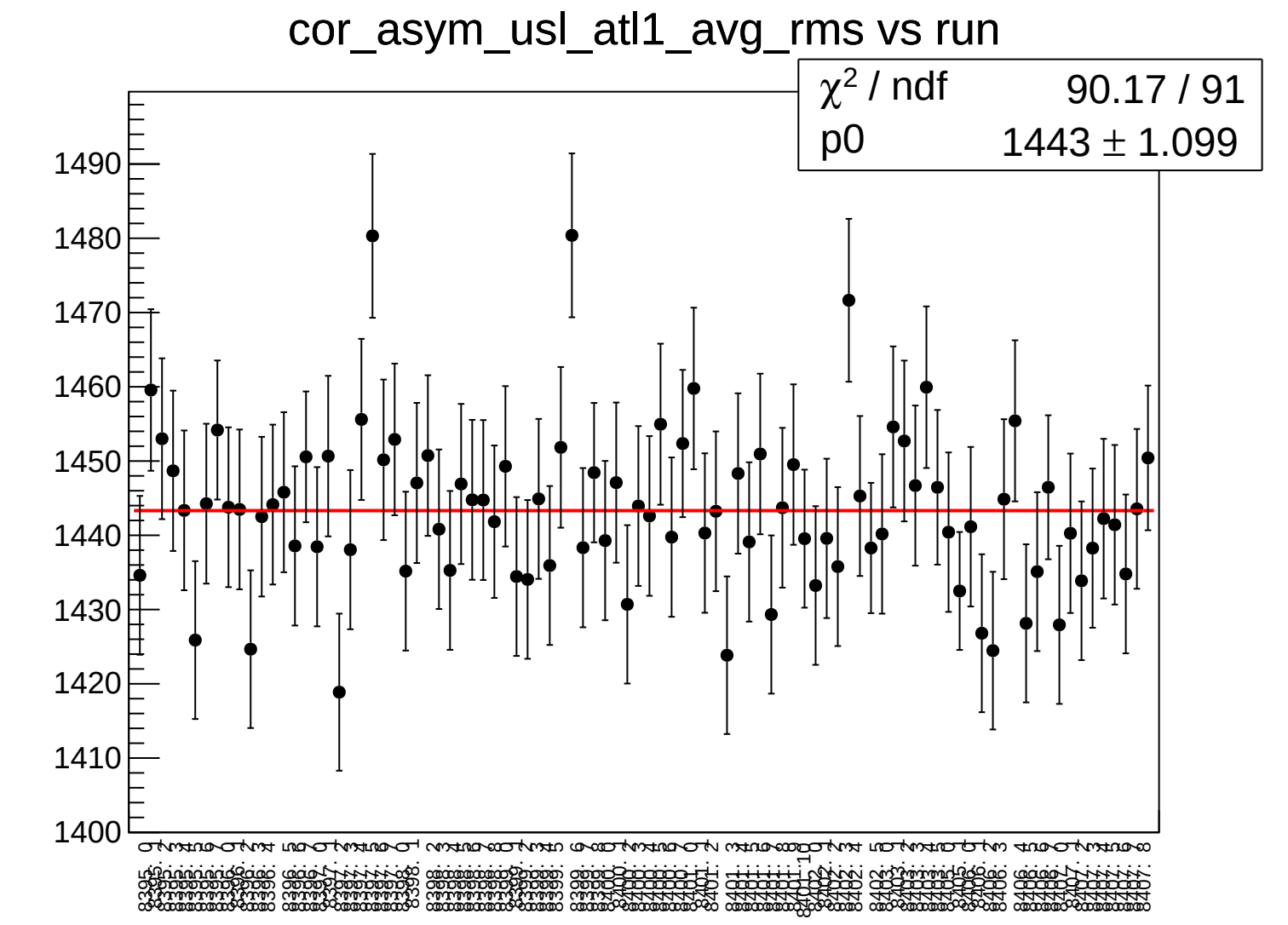

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 95.64 / 91
p0 −684.6 ± 501.4
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 84.23
Std Dev 0
3
2
1
0
−1
−2
−3

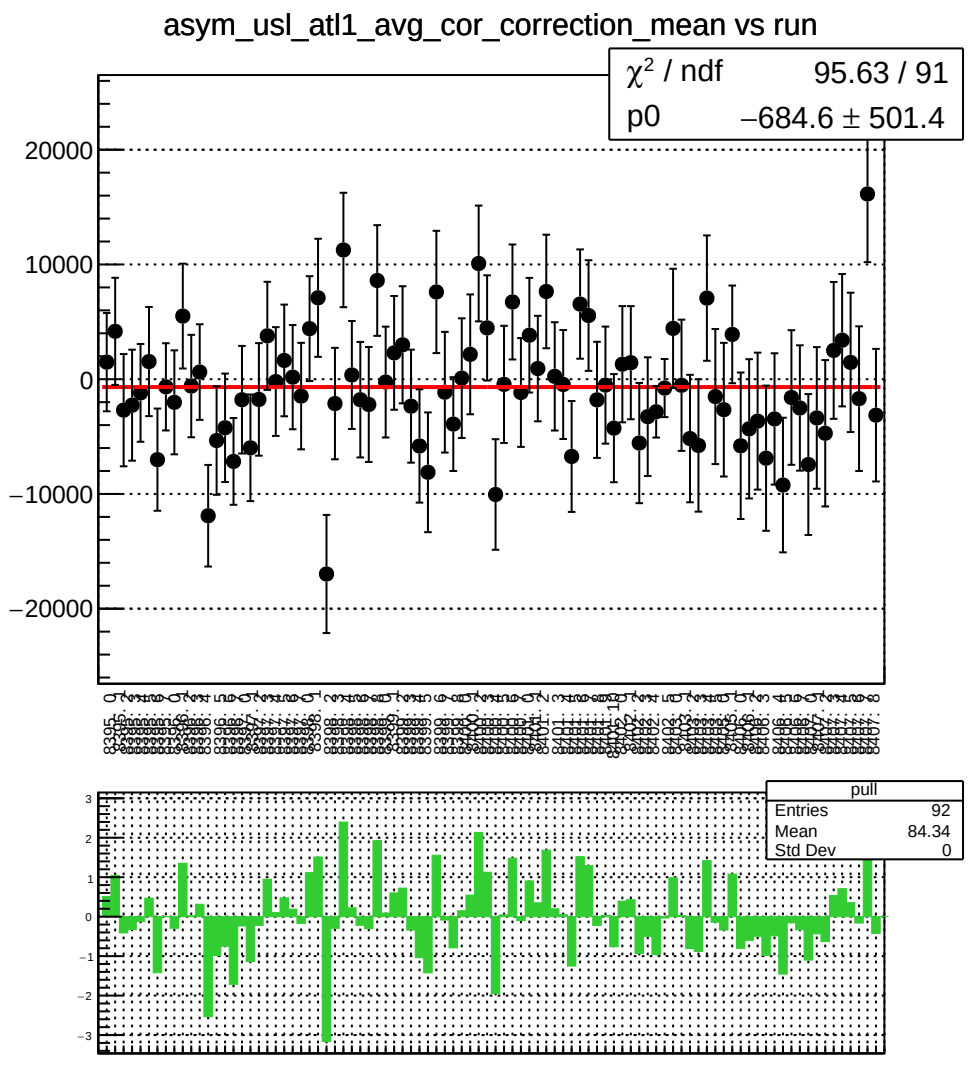

pull1D
Entries 92
Mean 0.01018
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

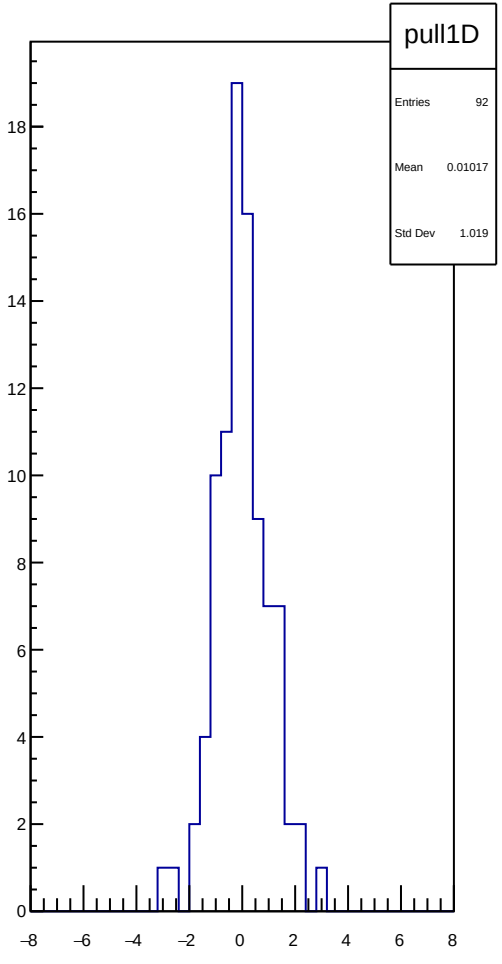

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 5.351e+04 / 91
p0 458.2 ± 0.3545
650
600
550
500
450
400
350
300
250
200

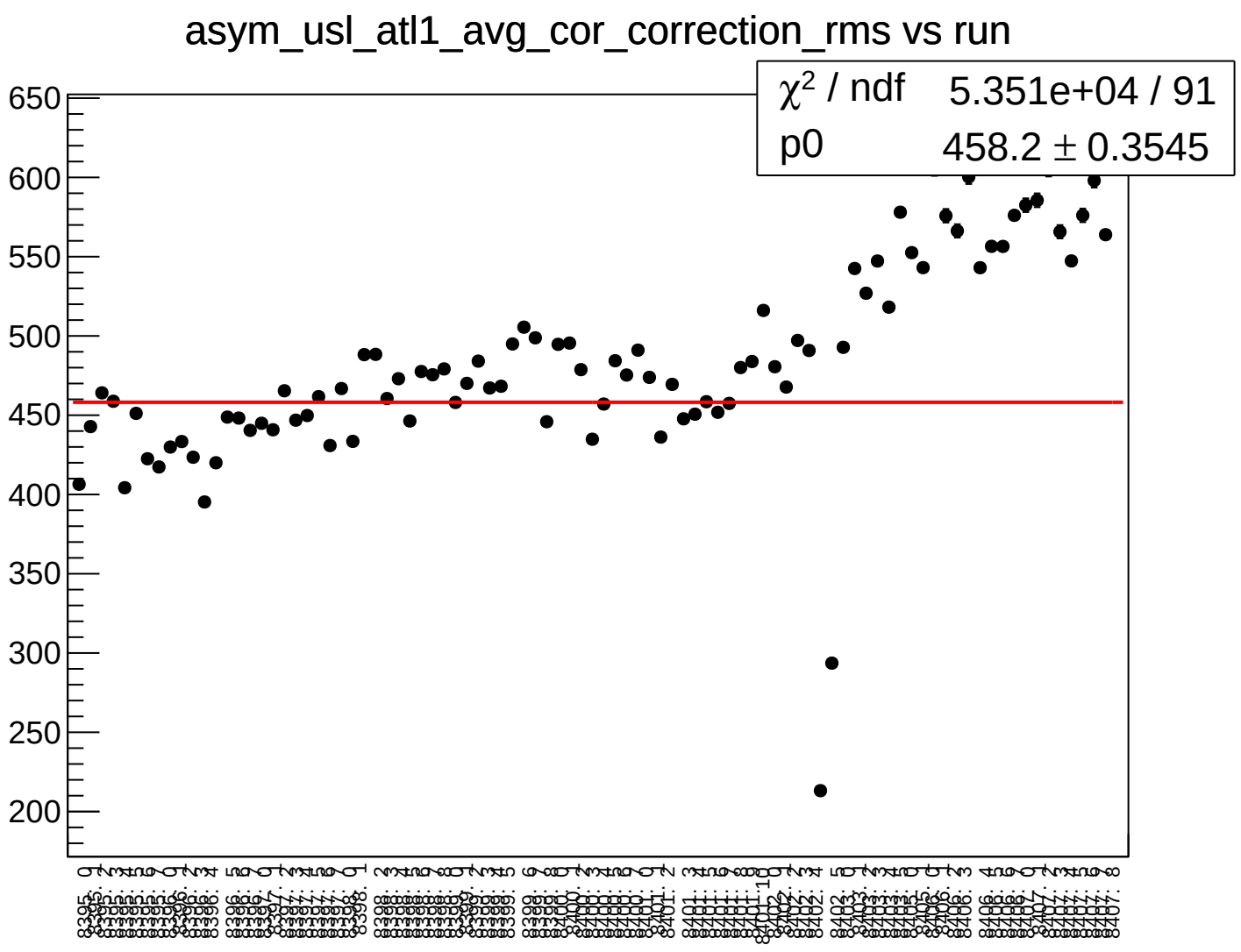

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 125 / 91
p0 294.4 ± 1555
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −169.9
Std Dev 0
3
2
1
0
−1
−2
−3

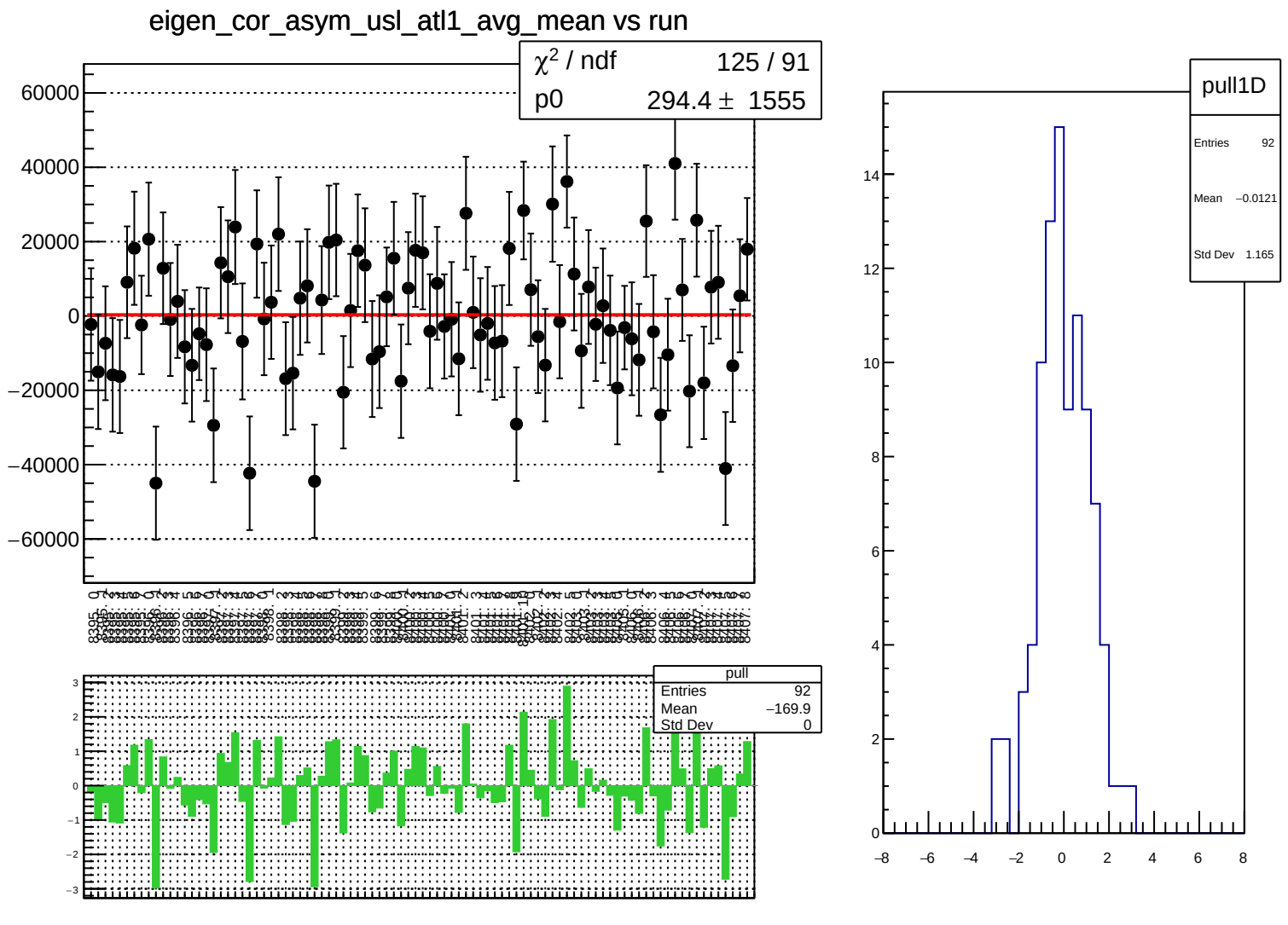

pull1D
Entries 92
Mean −0.0121
Std Dev 1.165
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

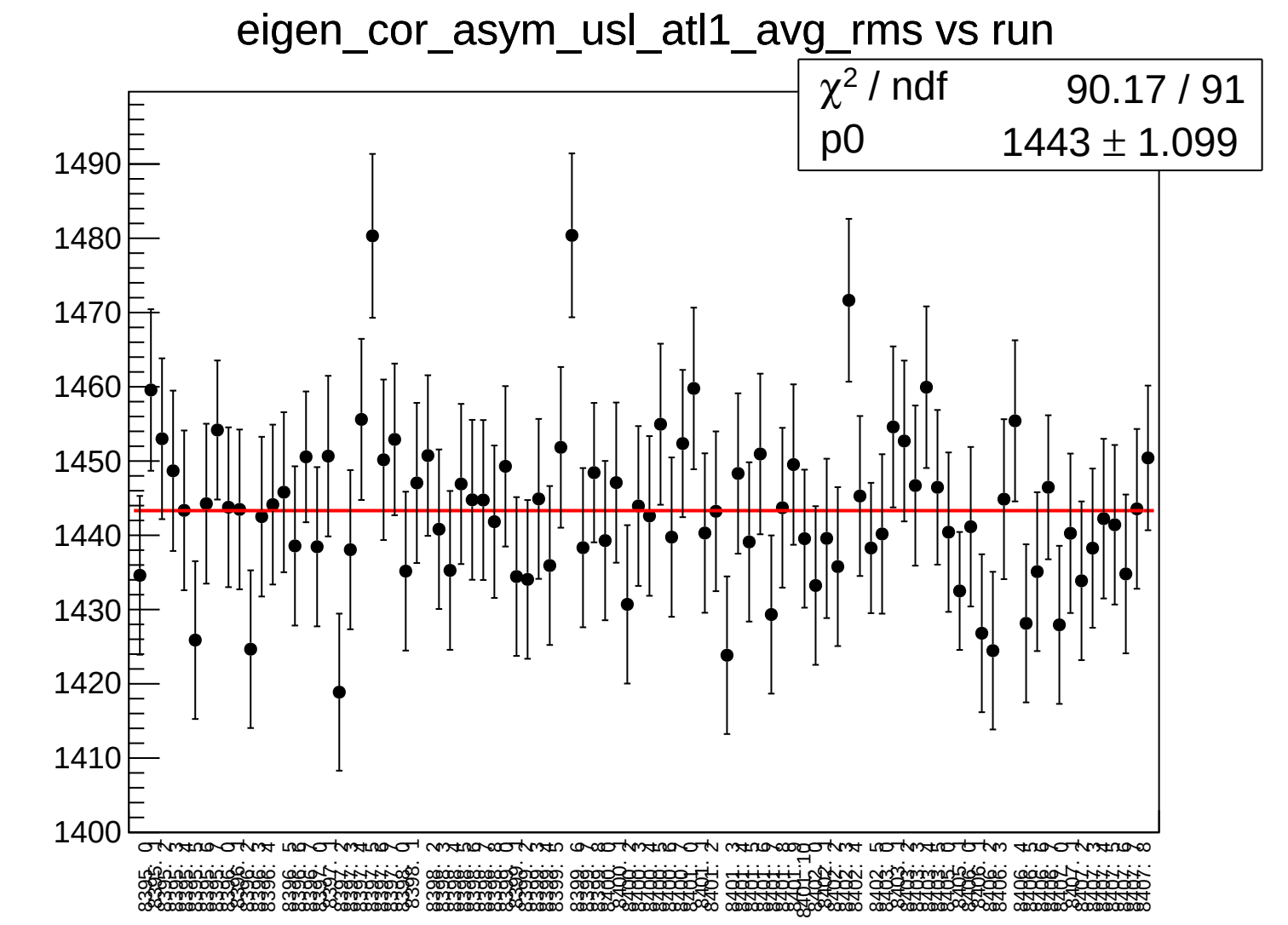

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 90.17 / 91
p0 1443 ± 1.099
1490
1480
1470
1460
1450
1440
1430
1420
1410
1400

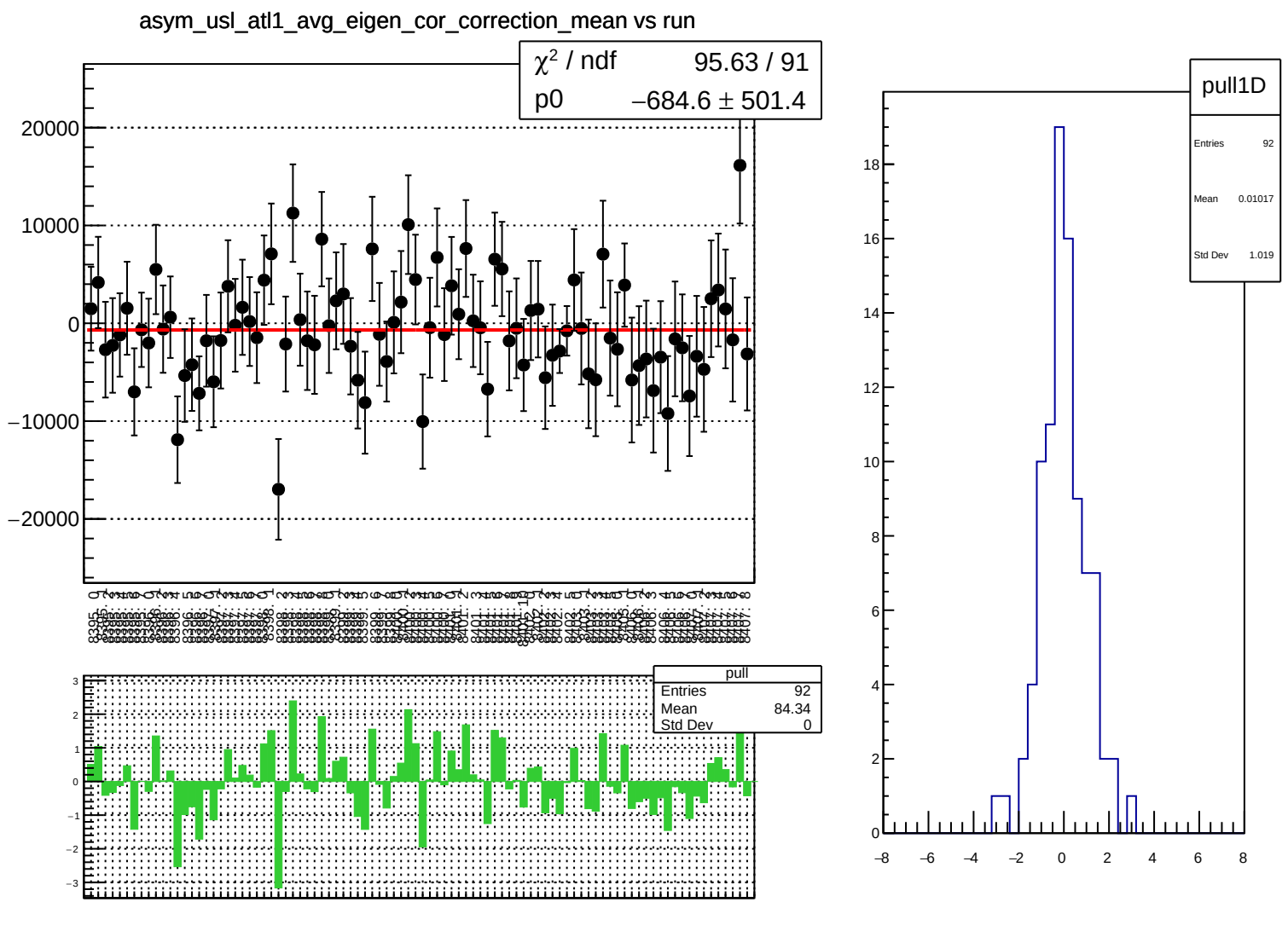

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 95.63 / 91
p0 −684.6 ± 501.4
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 84.34
Std Dev 0
3
2
1
0
−1
−2
−3

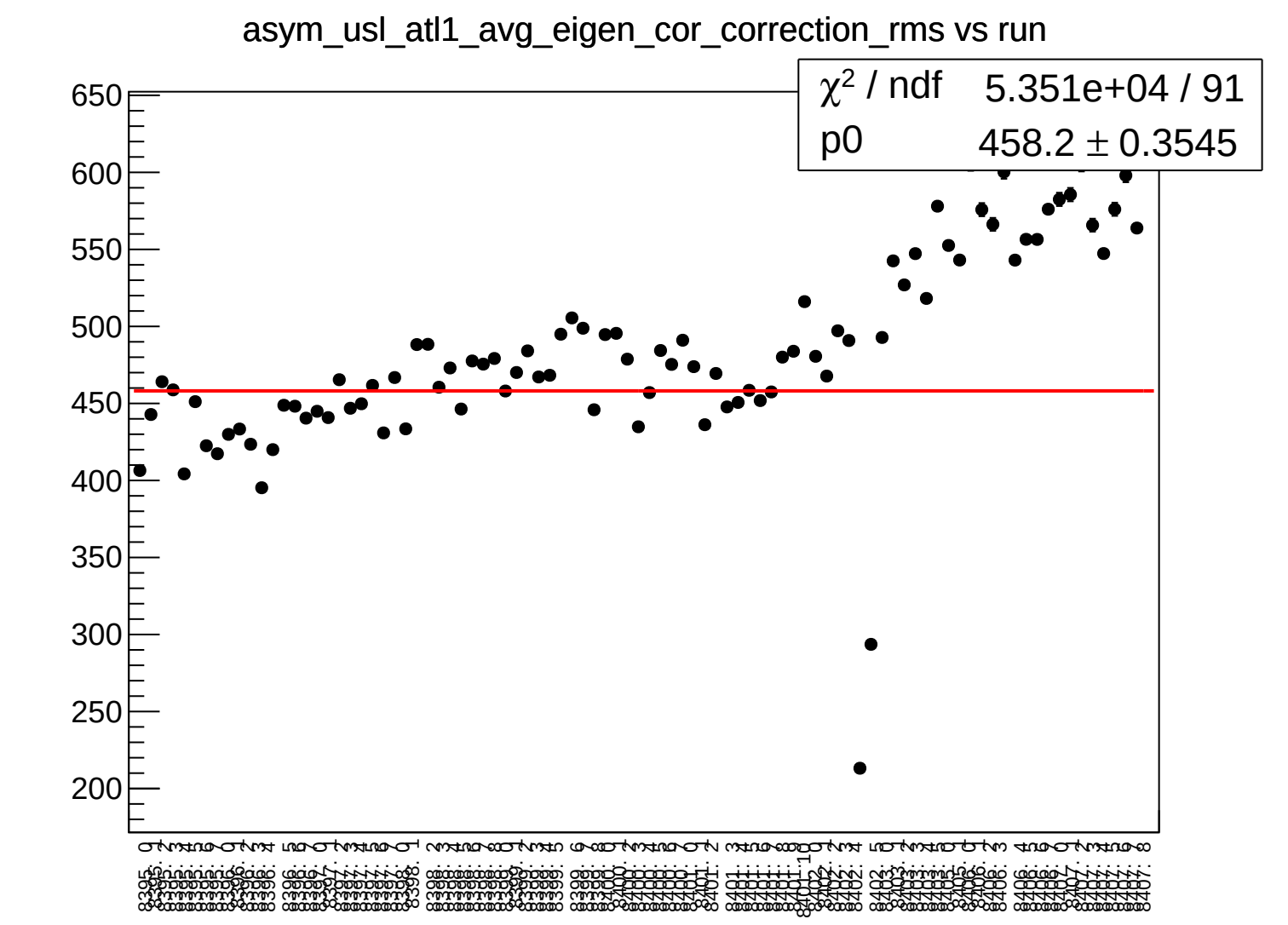

pull1D
Entries 92
Mean 0.01017
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

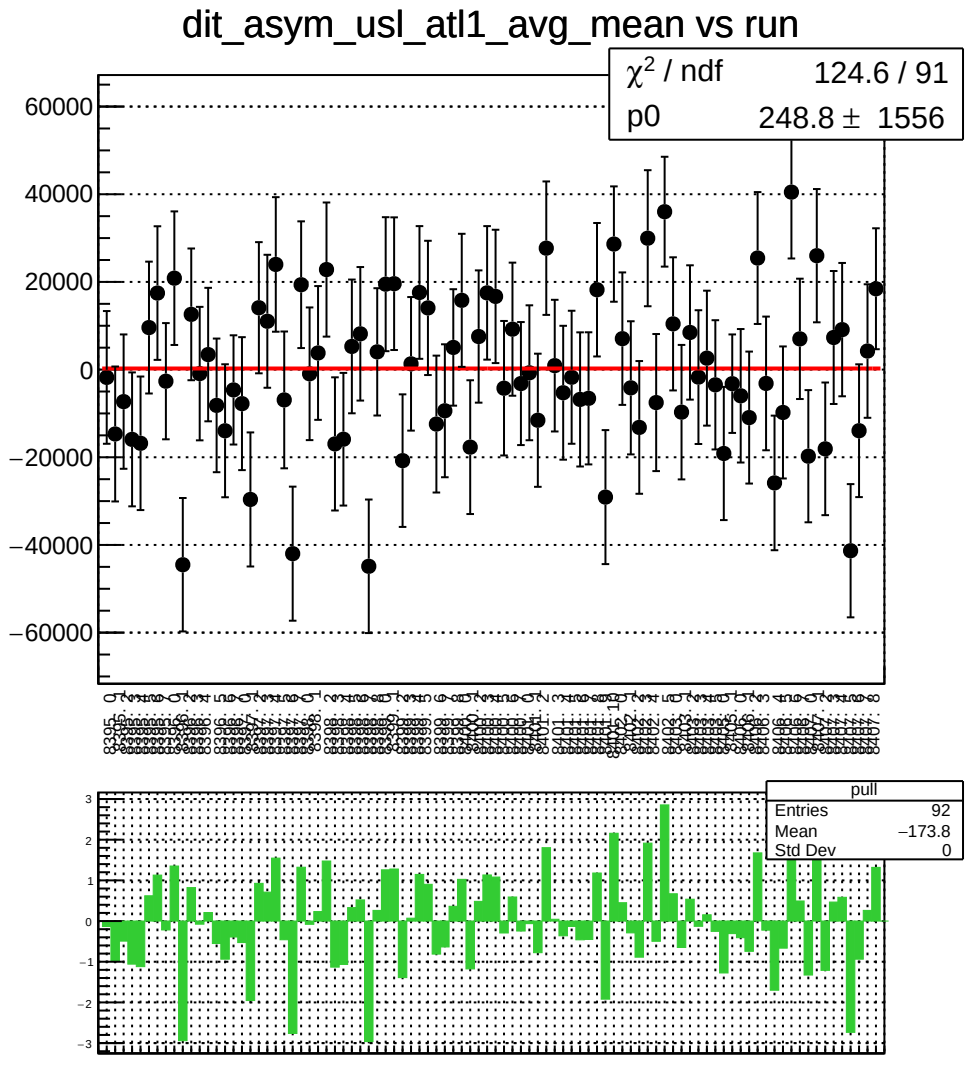

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 5.351e+04 / 91
p0 458.2 ± 0.3545
650
600
550
500
450
400
350
300
250
200

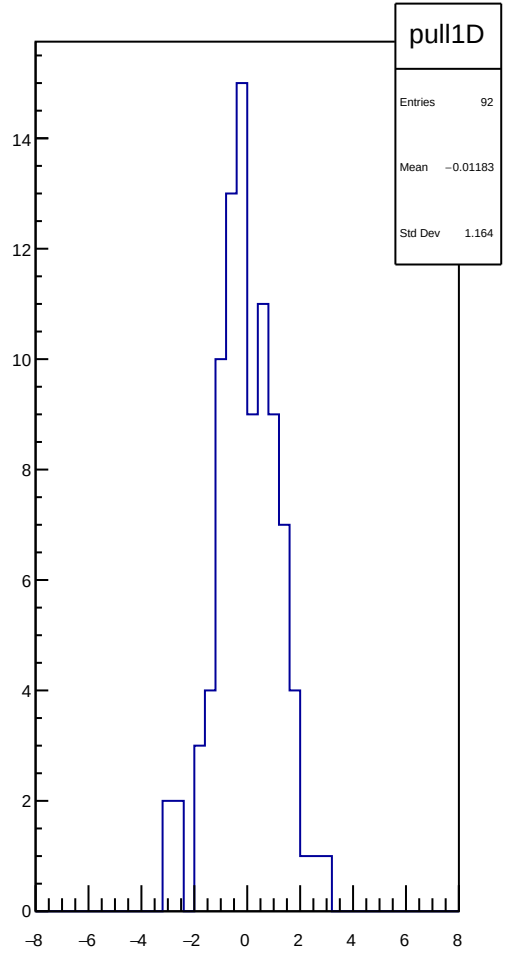

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 125 / 91
p0 294.4 ± 1555
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −169.9
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.0121
Std Dev 1.165
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

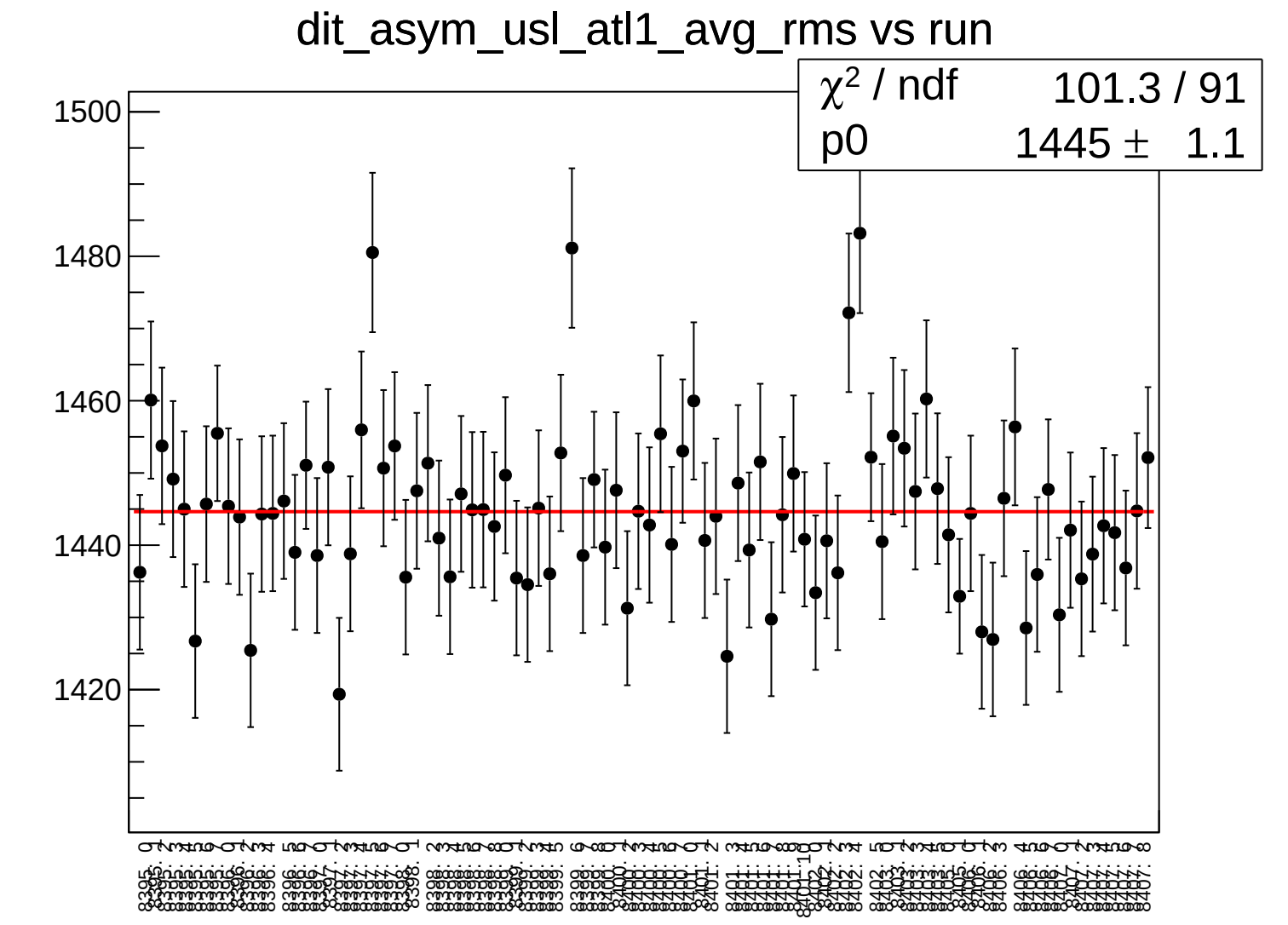

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 90.17 / 91
p0 1443 ± 1.099
1490
1480
1470
1460
1450
1440
1430
1420
1410
1400

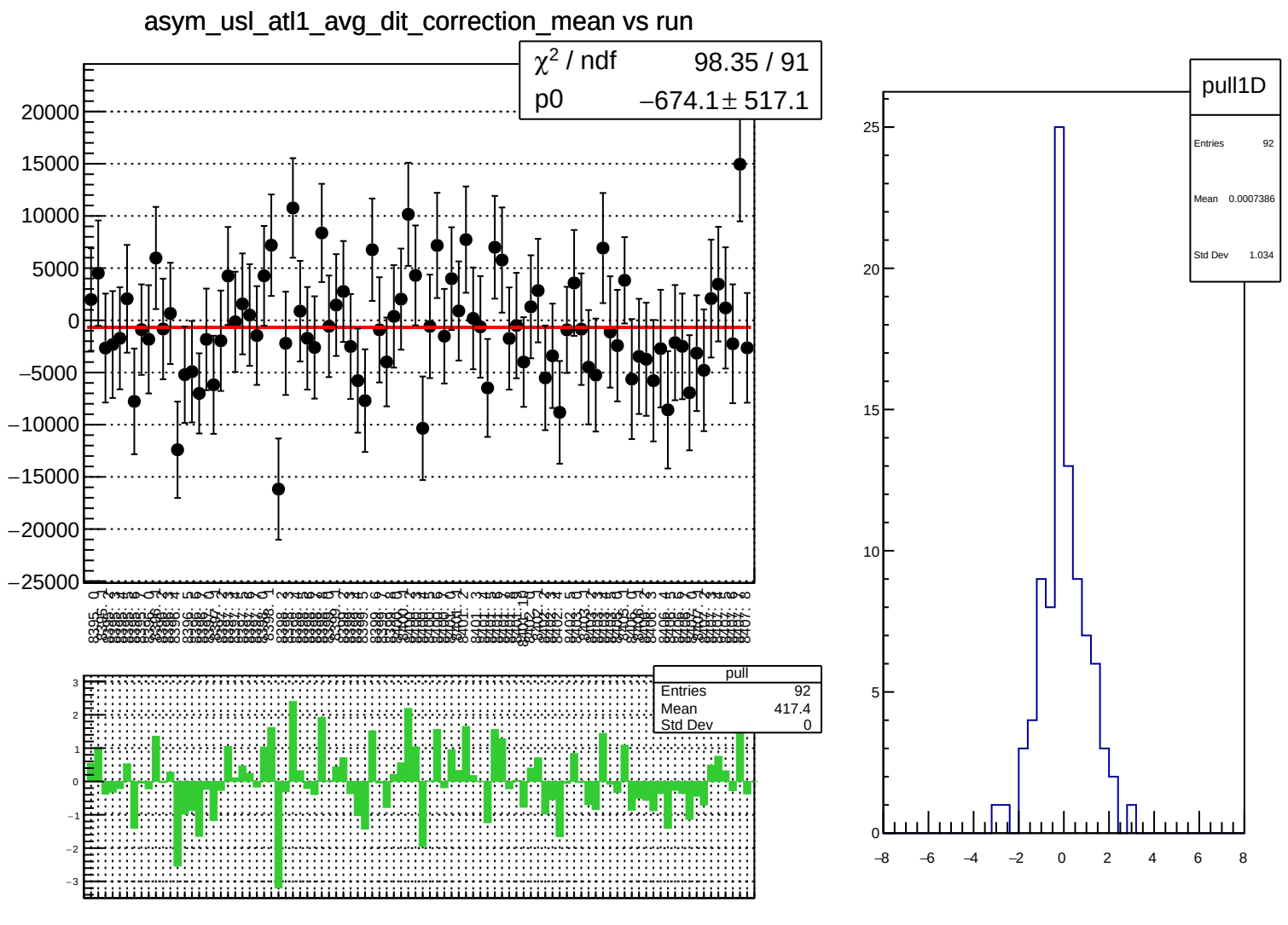

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 95.63 / 91
p0 −684.6 ± 501.4
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 84.34
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.01017
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

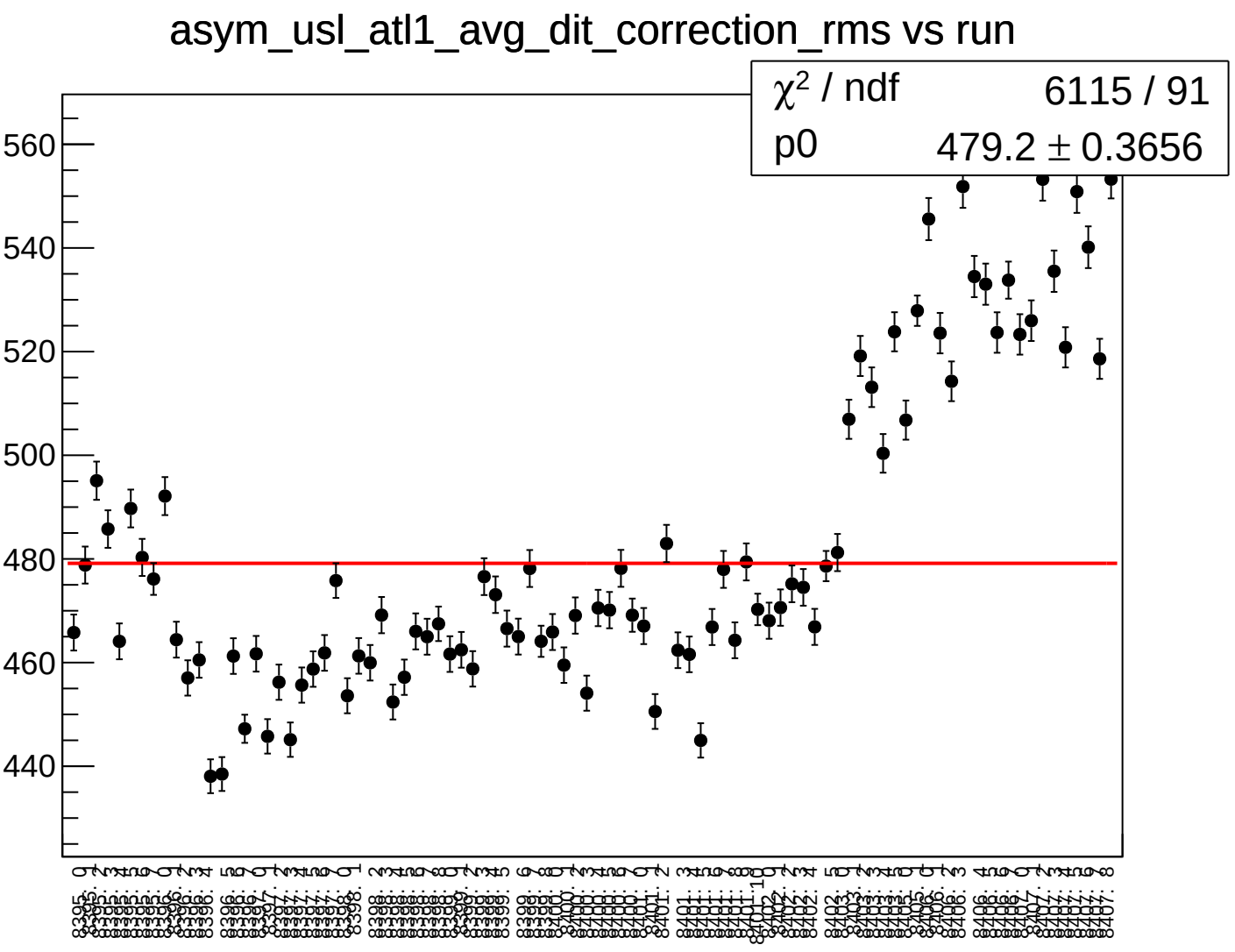

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5.351e+04 / 91
p0 458.2 ± 0.3545
650
600
550
500
450
400
350
300
250
200

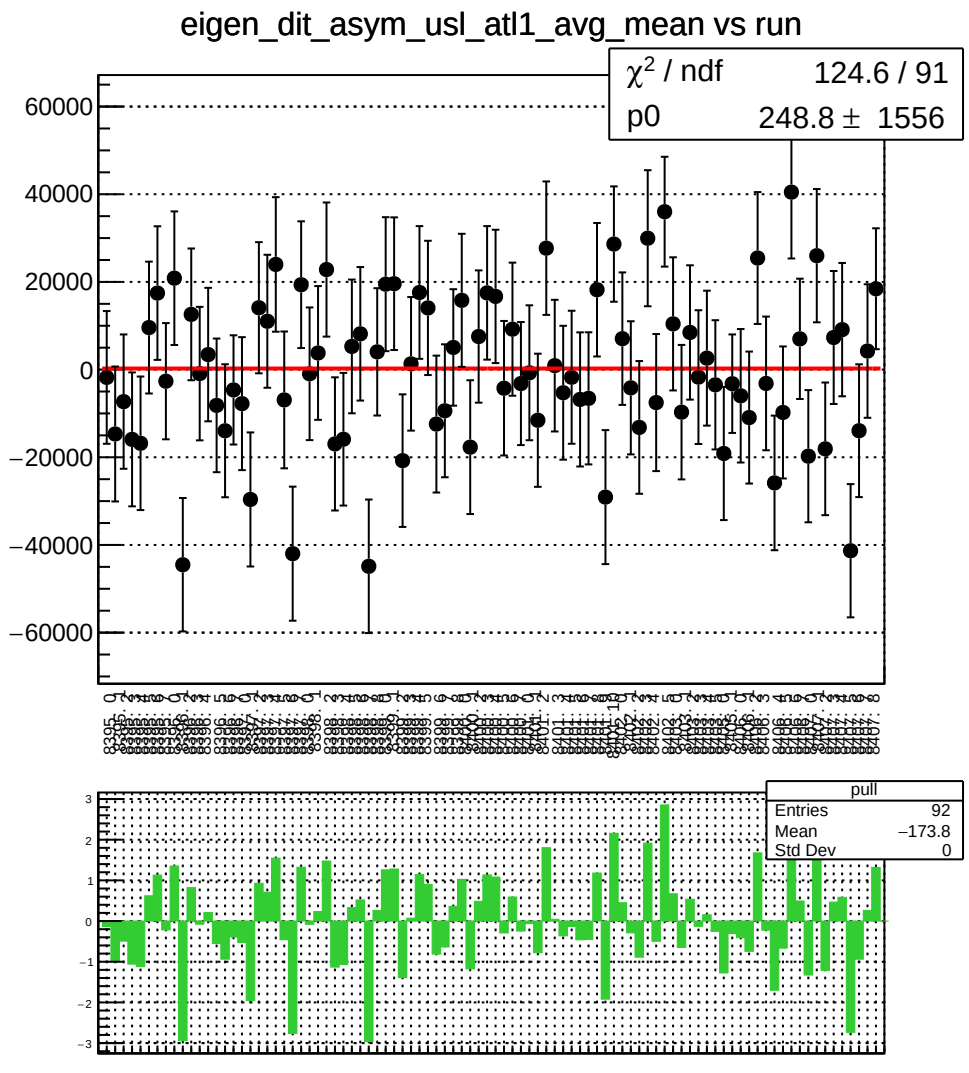

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 124.6 / 91
p0 248.8 ± 1556
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −173.8
Std Dev 0
3
2
1
0
−1
−2
−3

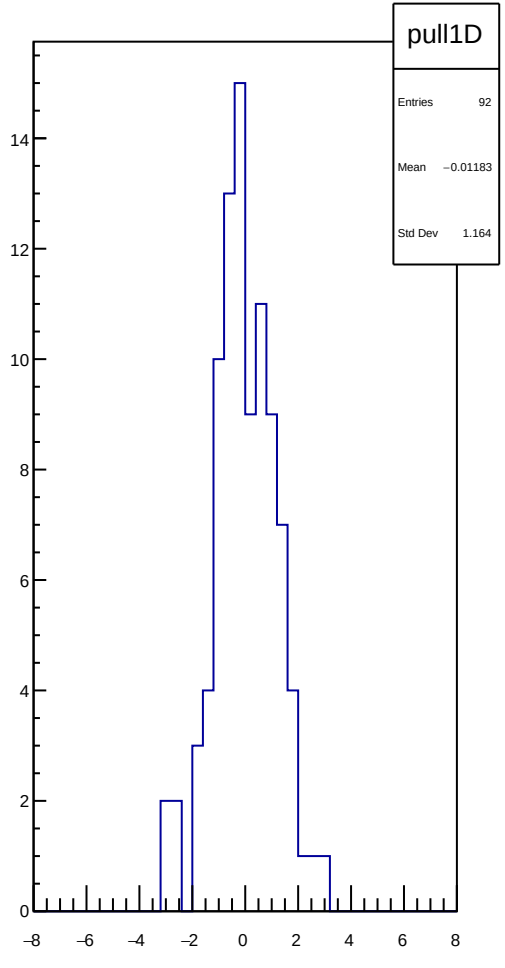

pull1D
Entries 92
Mean −0.01183
Std Dev 1.164
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

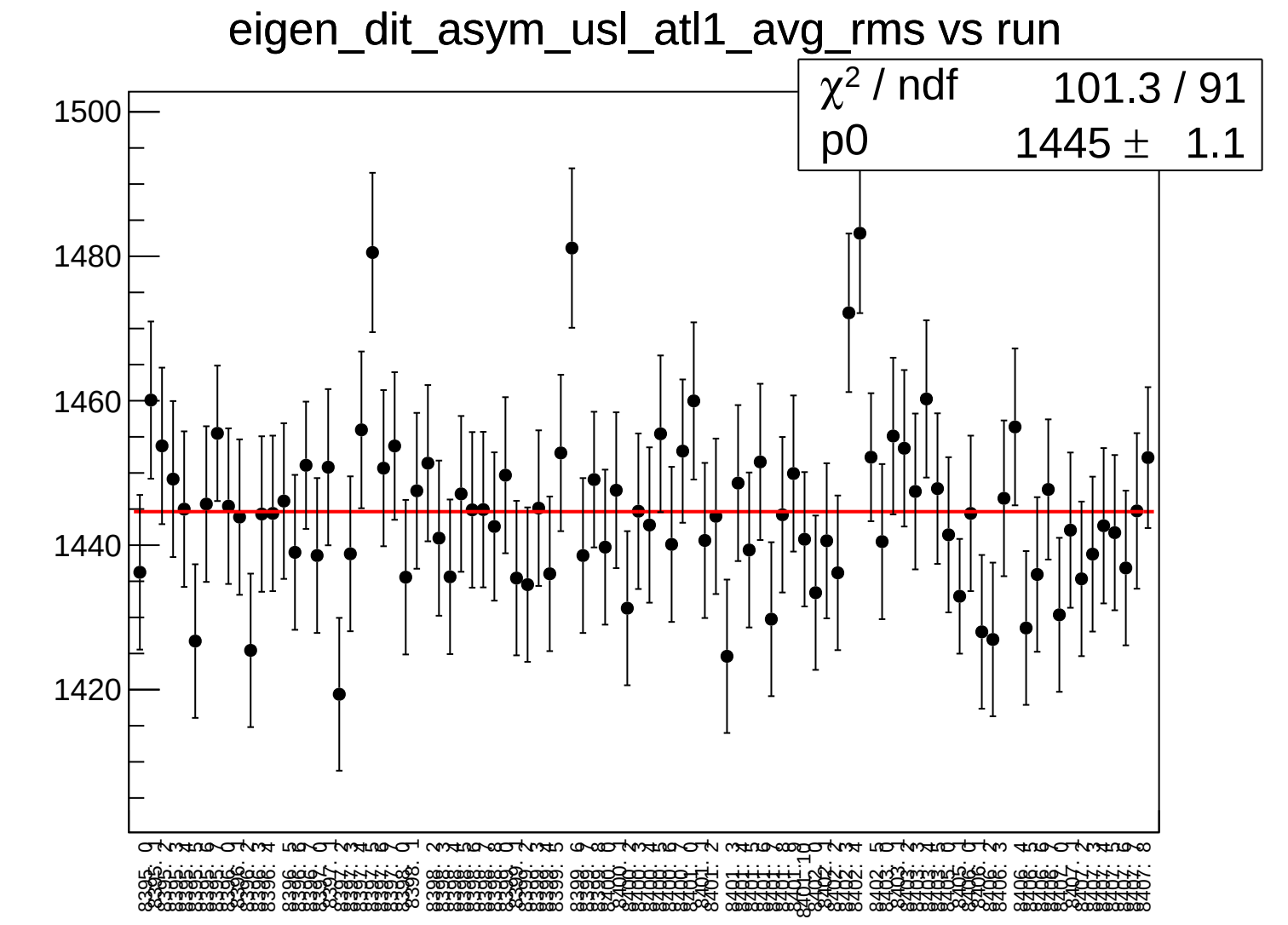

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 101.3 / 91
p0 1445 ± 1.1
1500
1480
1460
1440
1420

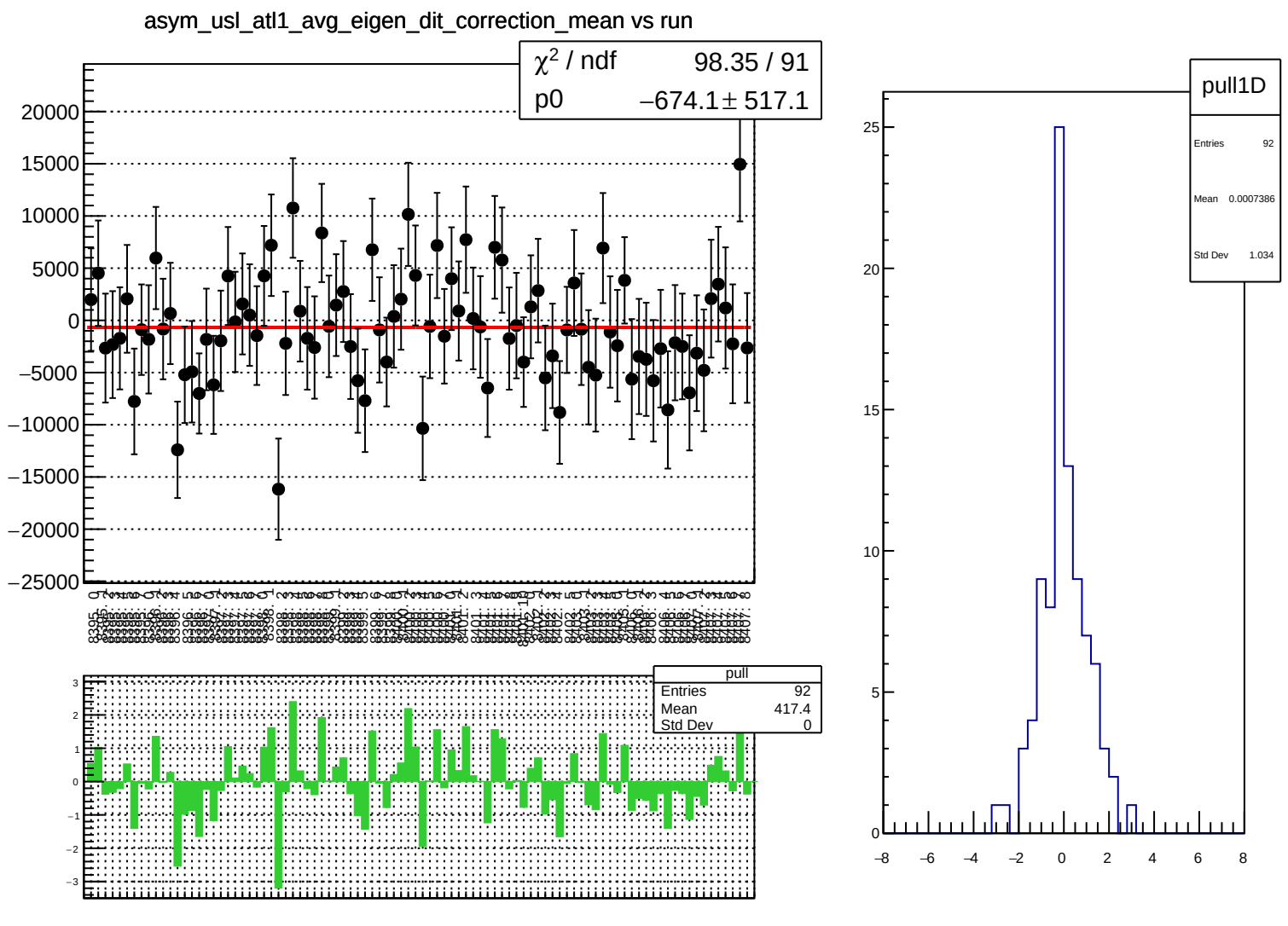

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 98.35 / 91
p0 −674.1 ± 517.1
pull
Entries 92
Mean 417.4
Std Dev 0
pull1D
Entries 92
Mean 0.0007386
Std Dev 1.034

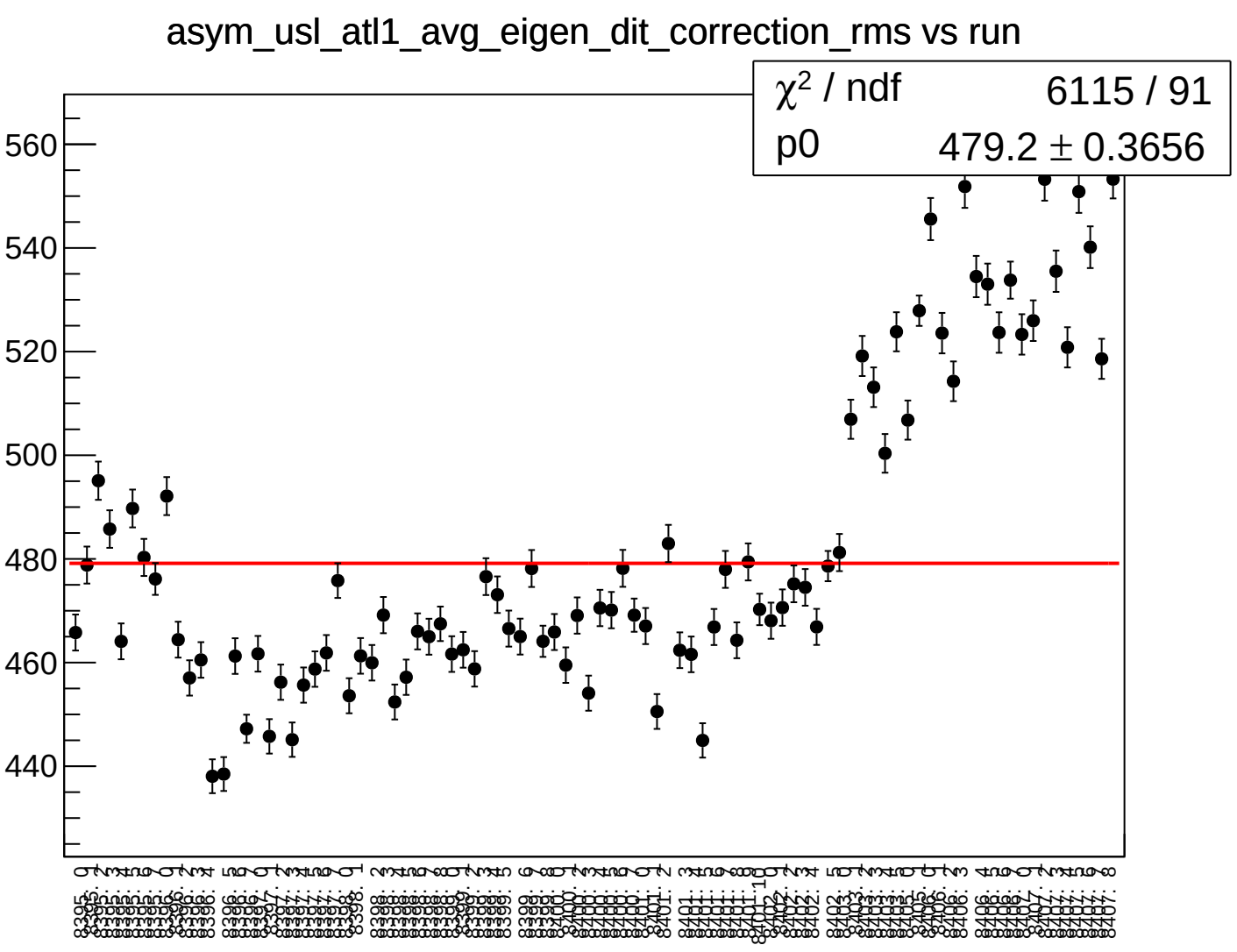

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 6115 / 91
p0 479.2 ± 0.3656
560
540
520
500
480
460
440

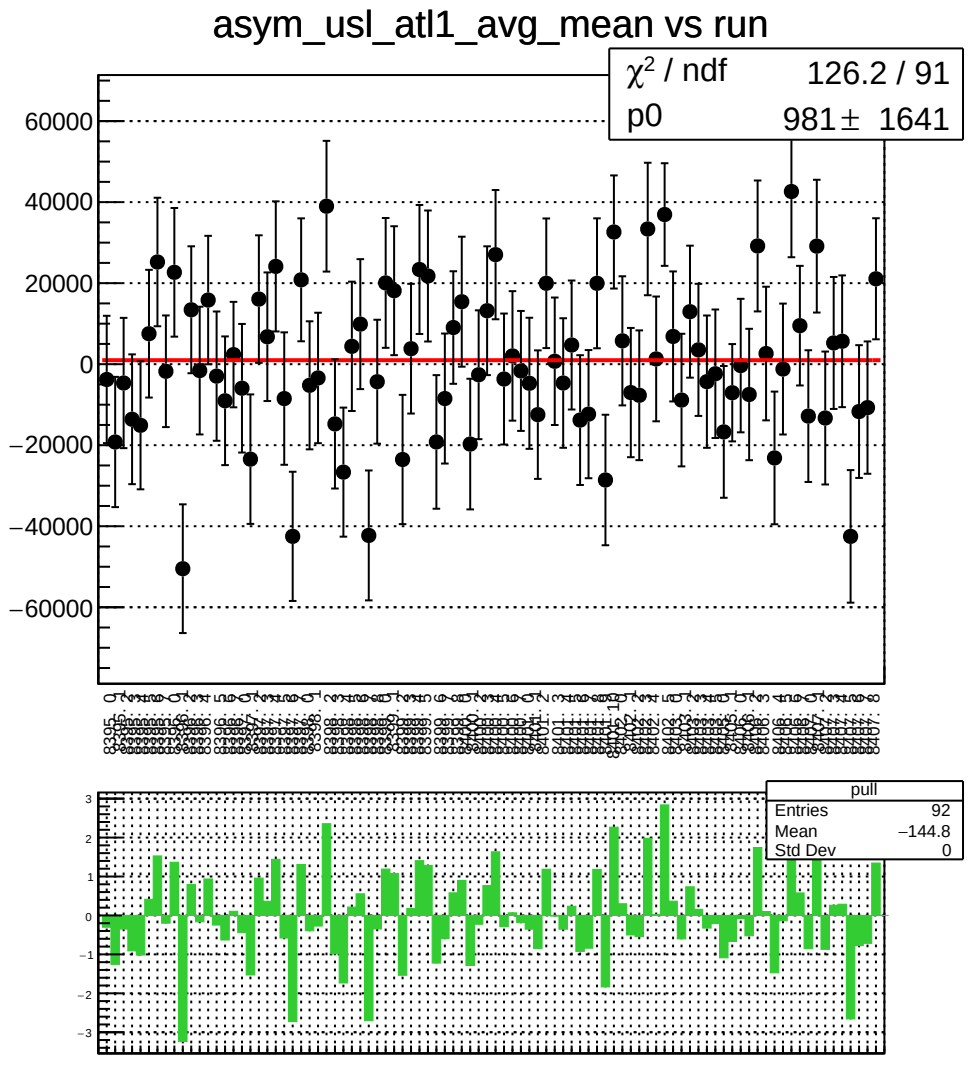

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 124.6 / 91
p0 248.8 ± 1556
pull
Entries 92
Mean −173.8
Std Dev 0

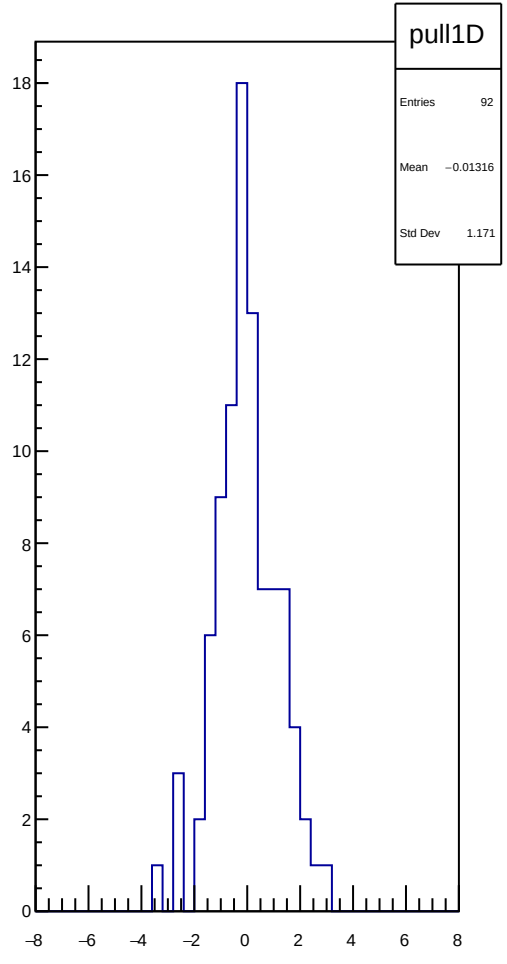

pull1D
Entries 92
Mean −0.01183
Std Dev 1.164

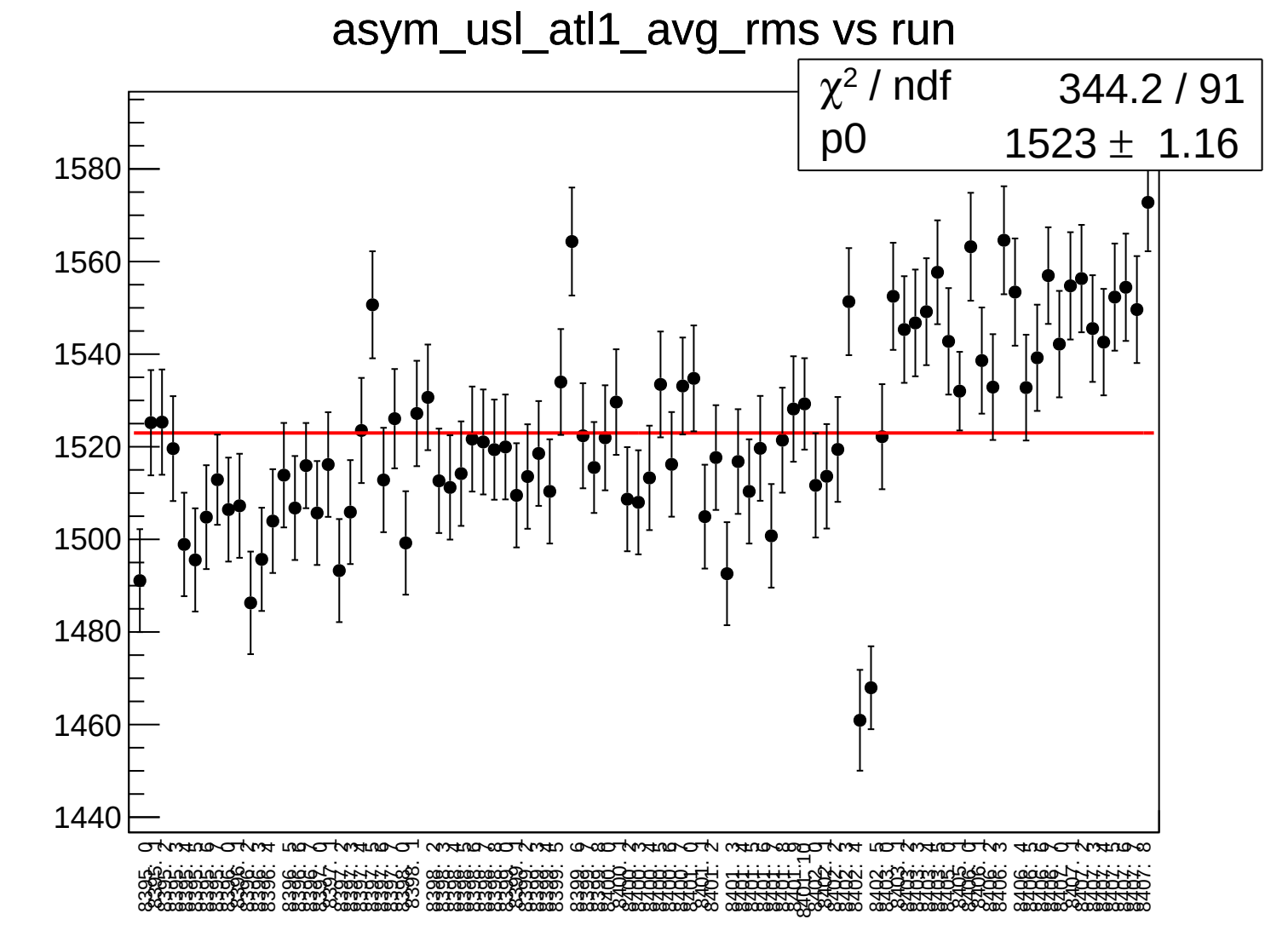

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 101.3 / 91
p0 1445 ± 1.1
1500
1480
1460
1440
1420

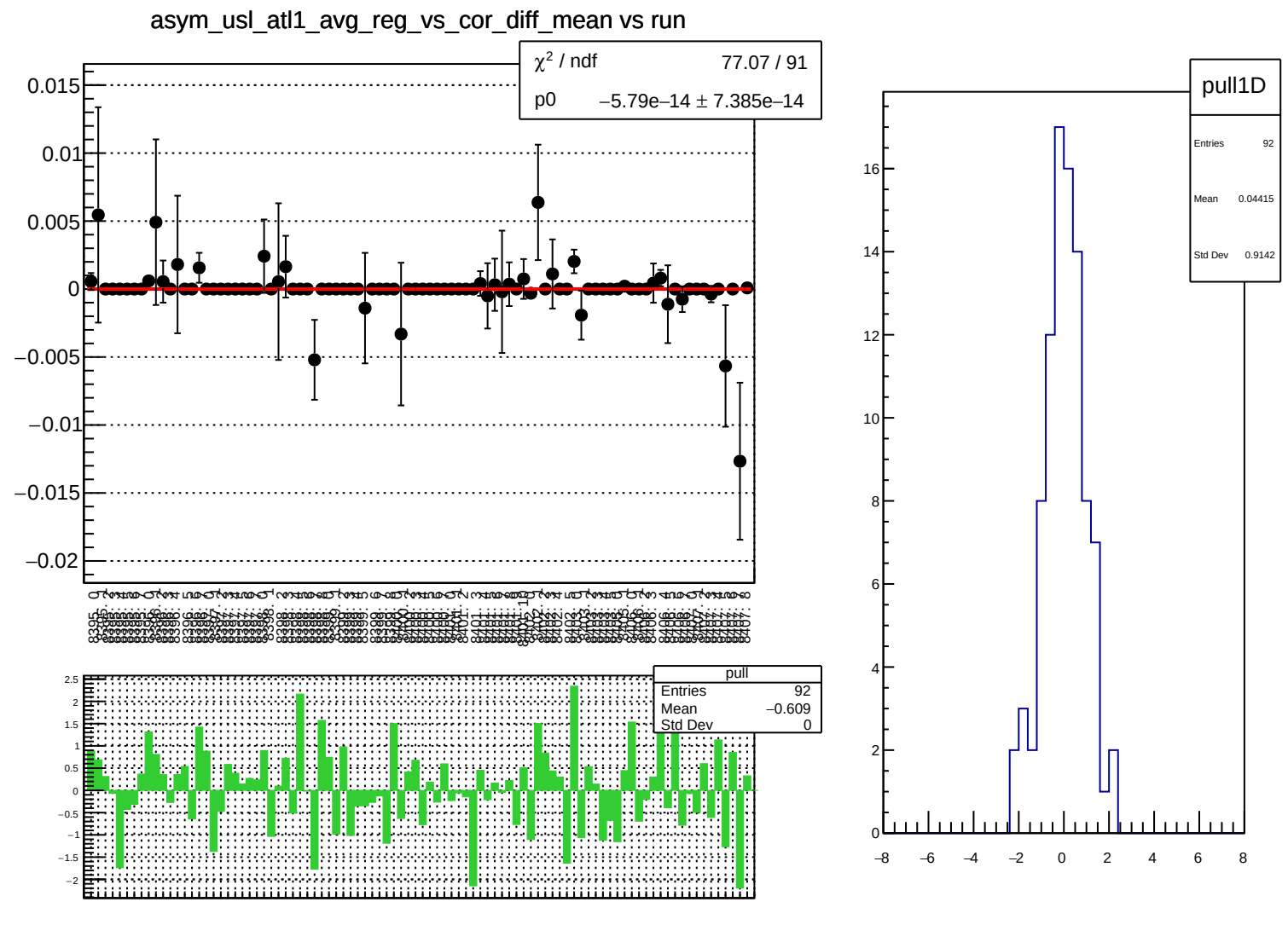

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 98.35 / 91
p0 −674.1 ± 517.1
pull
Entries 92
Mean 417.4
Std Dev 0
pull1D
Entries 92
Mean 0.0007386
Std Dev 1.034

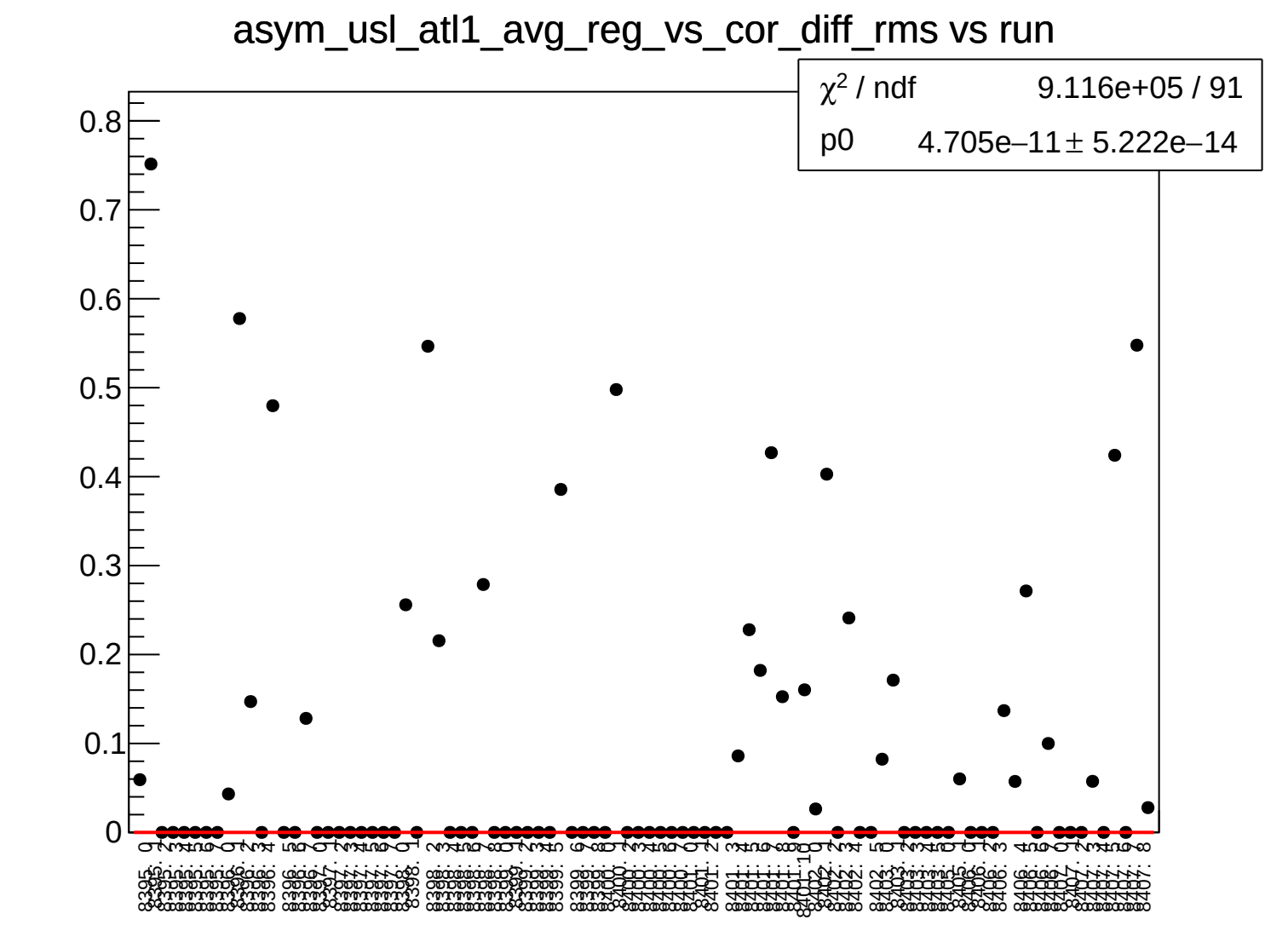

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 6115 / 91
p0 479.2 ± 0.3656
560
540
520
500
480
460
440

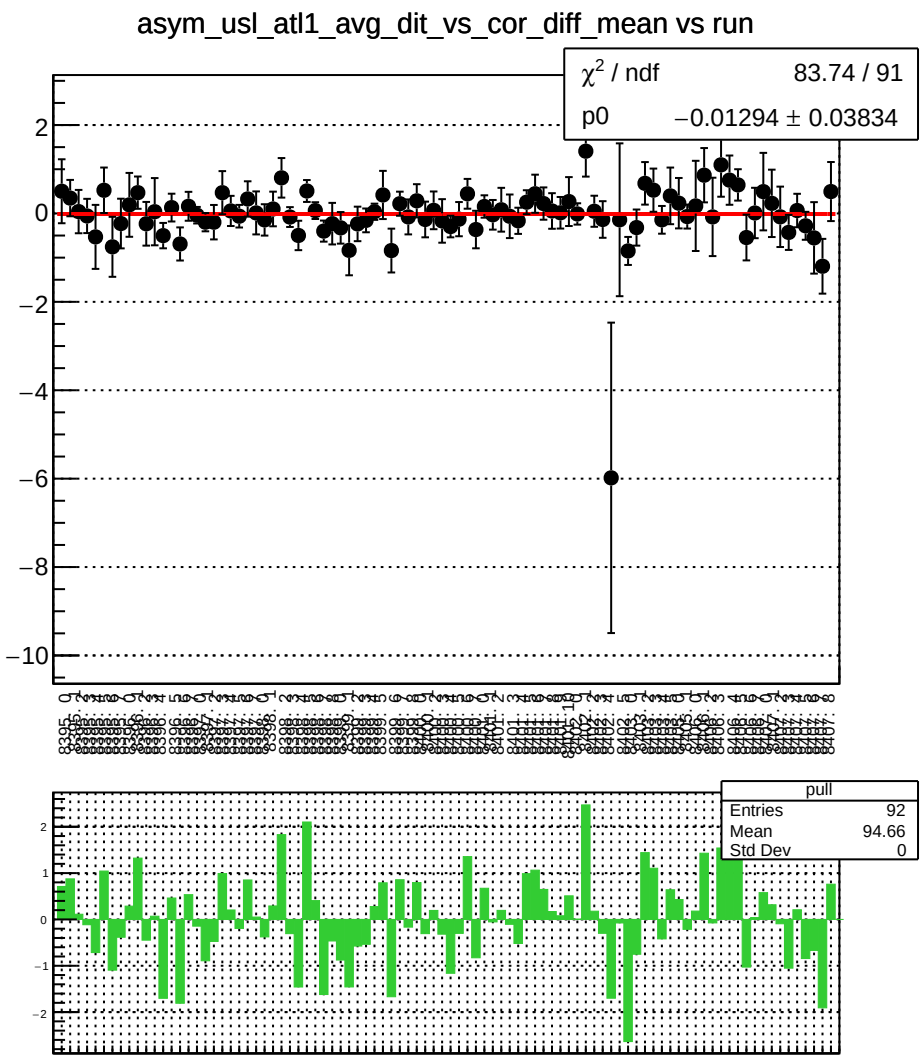

asym_usl_atl1_avg_mean vs run
χ² / ndf 126.2 / 91
p0 981 ± 1641
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −144.8
Std Dev 0
3
2
1
0
−1
−2
−3

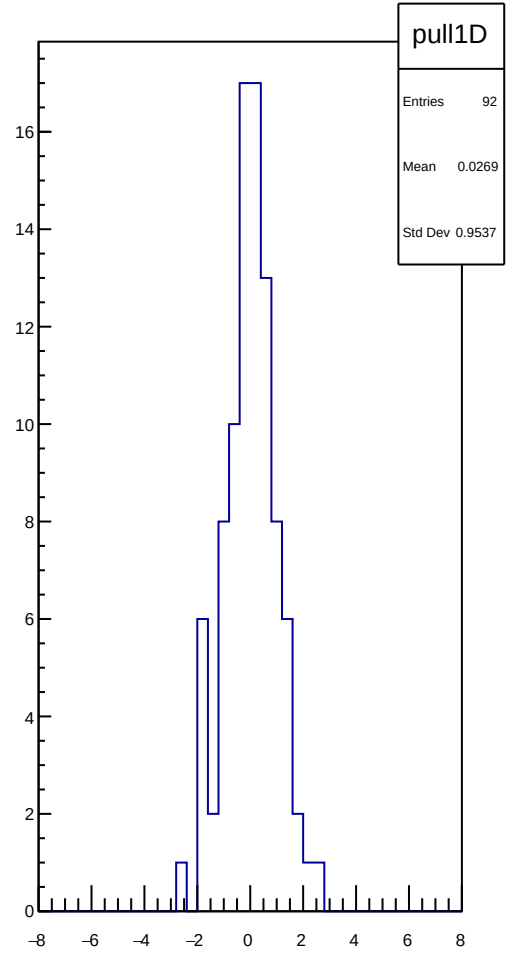

pull1D
Entries 92
Mean −0.01316
Std Dev 1.171
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

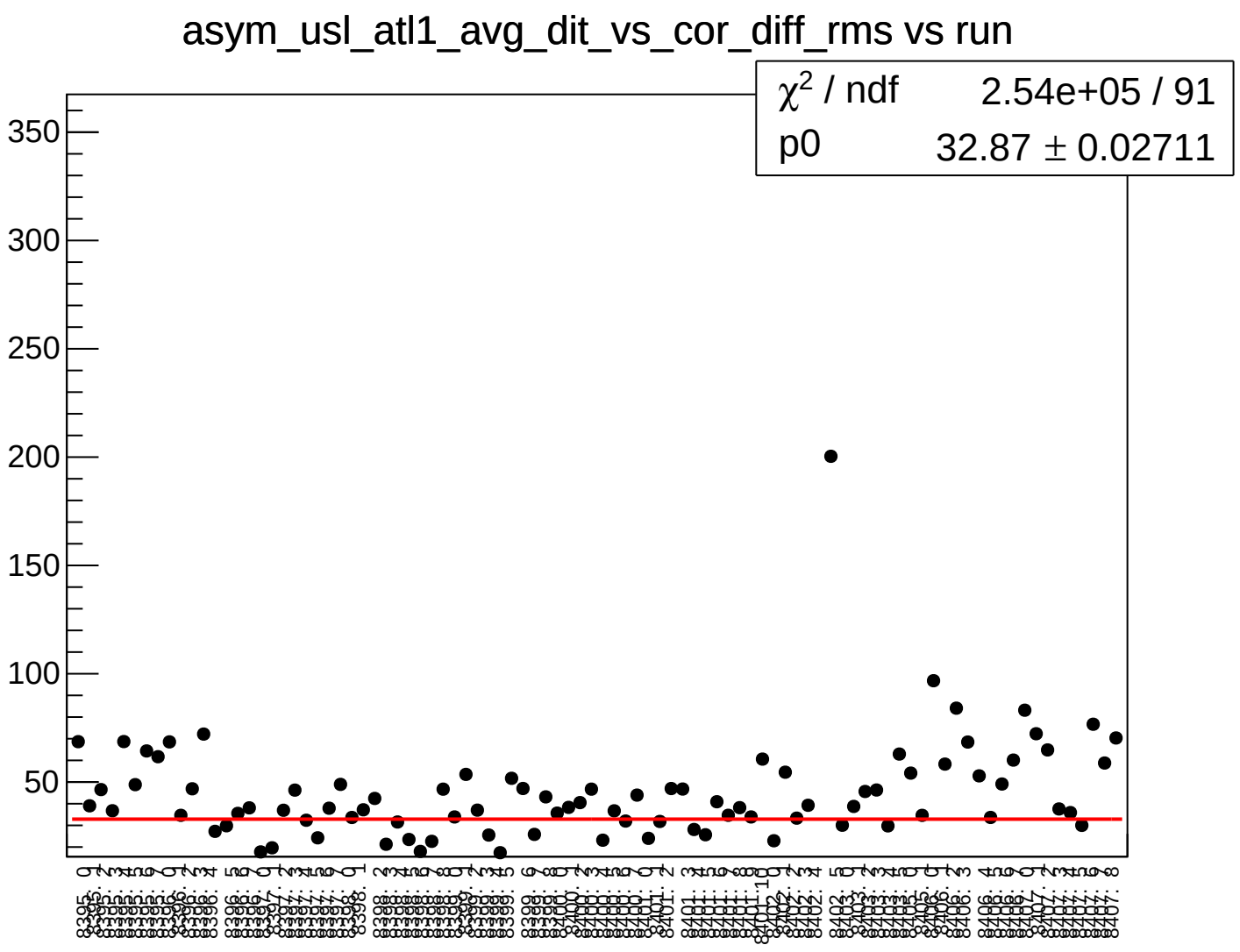

asym_usl_atl1_avg_rms vs run
χ² / ndf 344.2 / 91
p0 1523 ± 1.16
1580
1560
1540
1520
1500
1480
1460
1440

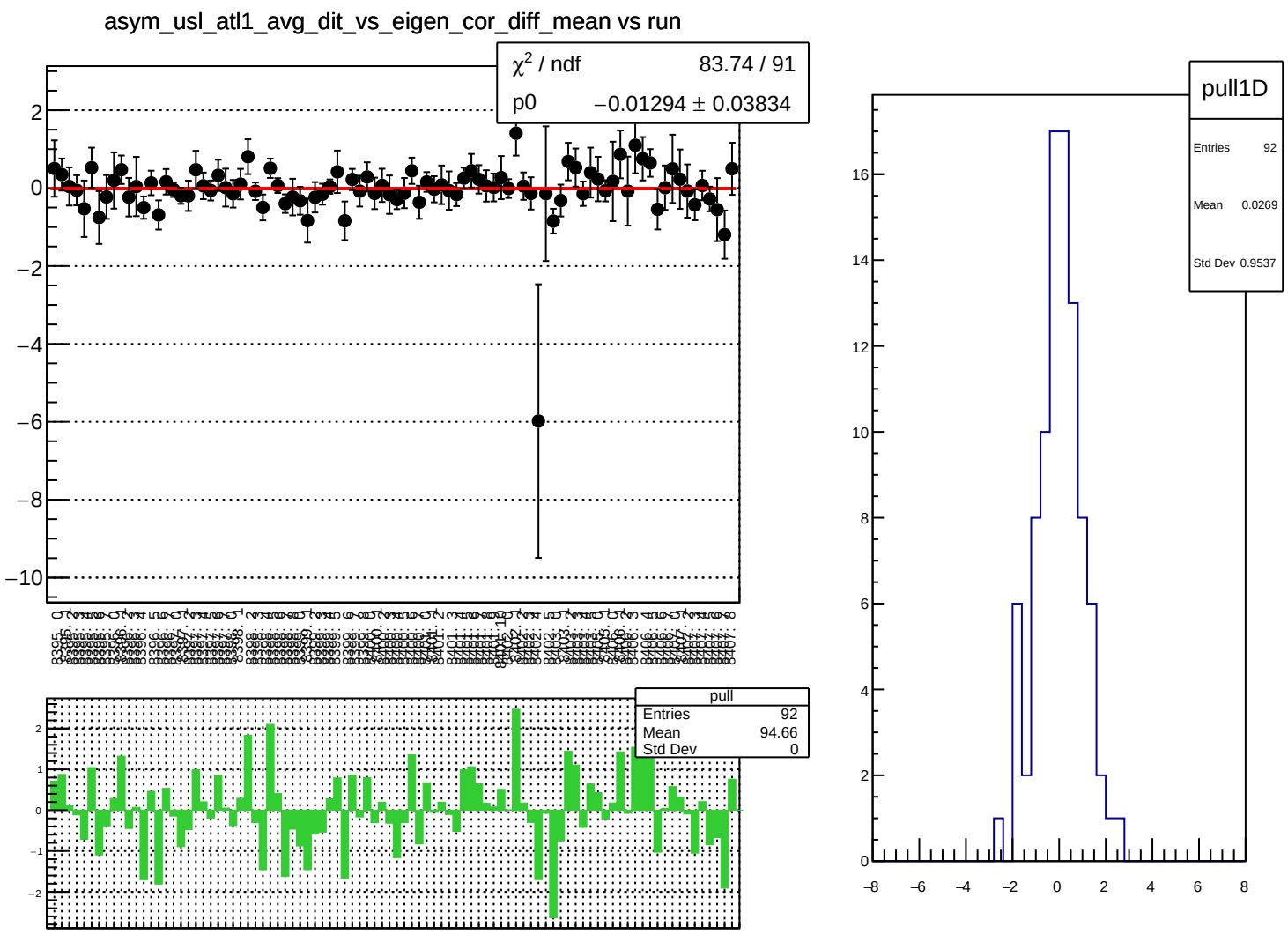

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.07 / 91
p0 −5.79e−14 ± 7.385e−14
pull
Entries 92
Mean −0.609
Std Dev 0
pull1D
Entries 92
Mean 0.04415
Std Dev 0.9142

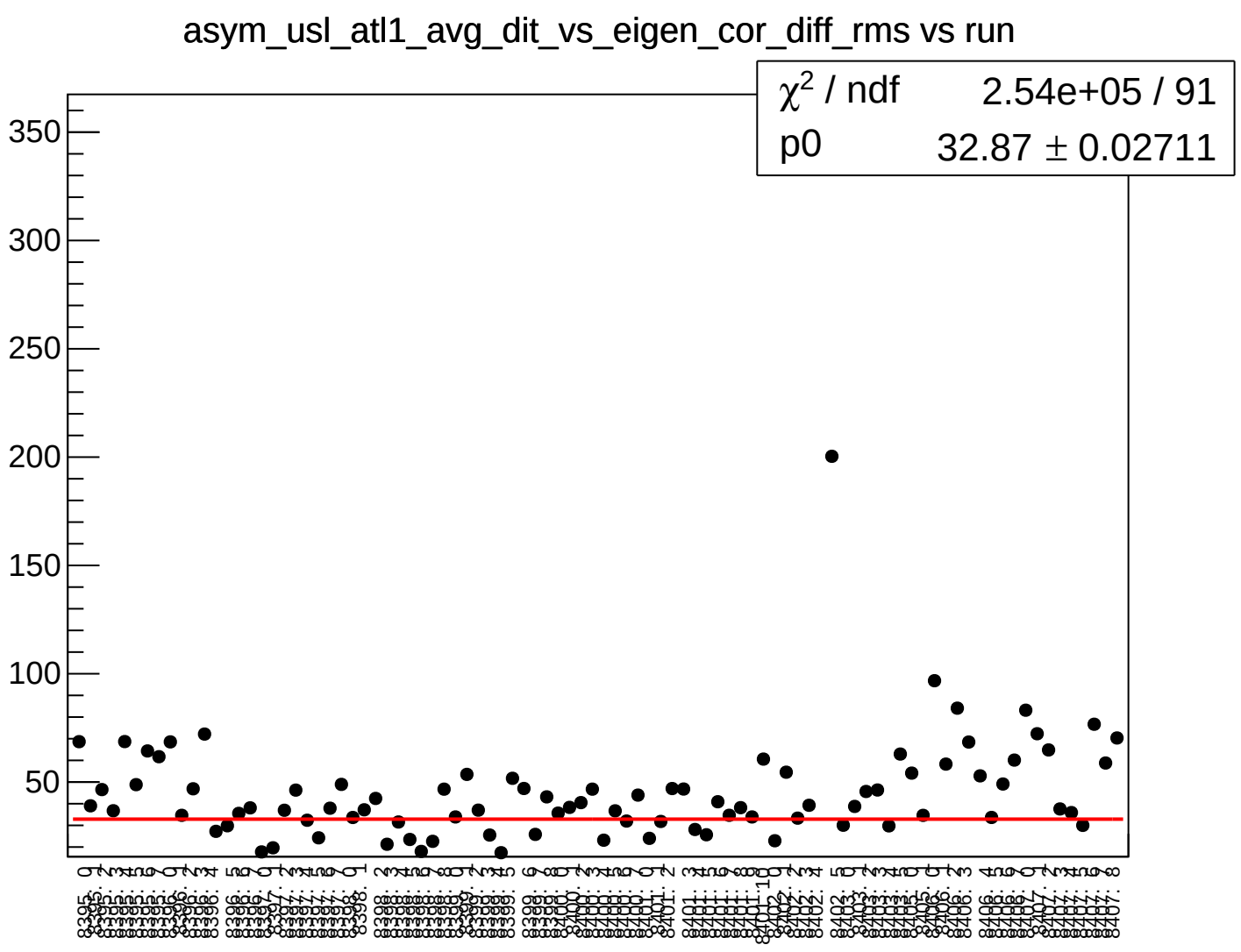

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.116e+05 / 91
p0 4.705e−11 ± 5.222e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

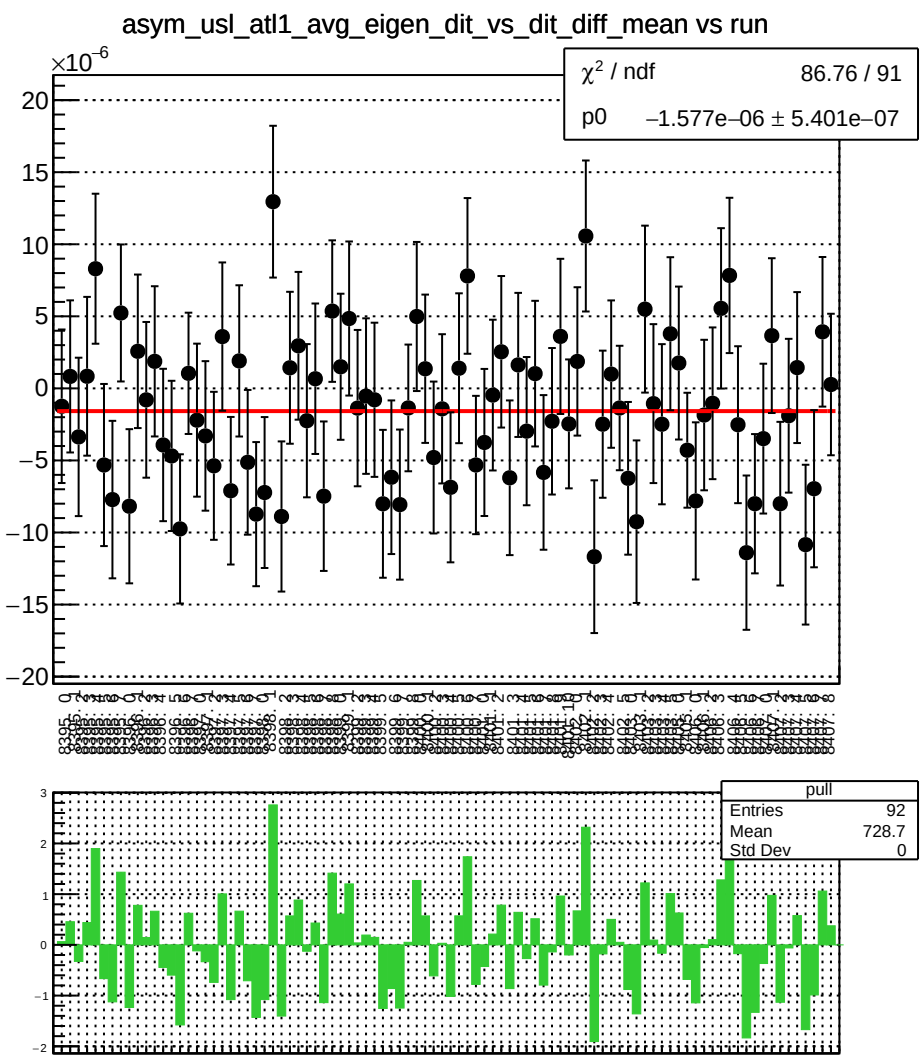

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.74 / 91
p0 −0.01294 ± 0.03834
pull
Entries 92
Mean 94.66
Std Dev 0

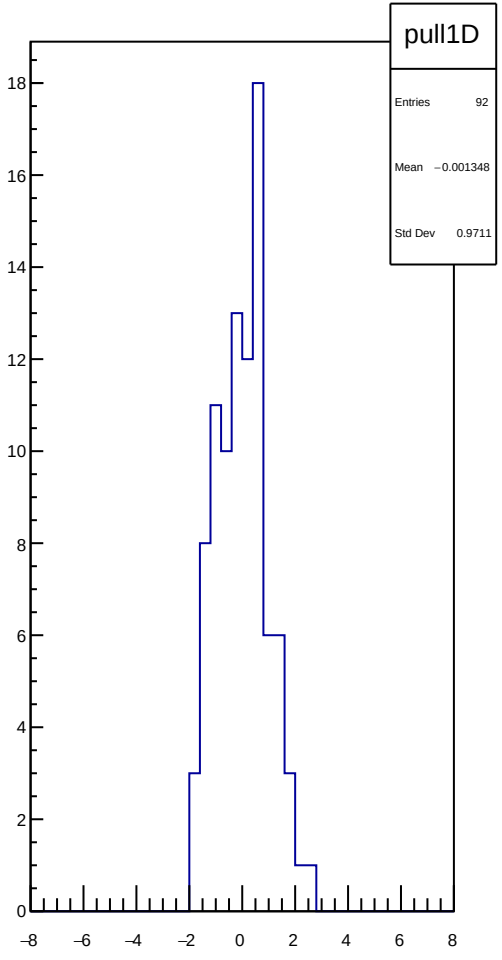

pull1D
Entries 92
Mean 0.0269
Std Dev 0.9537

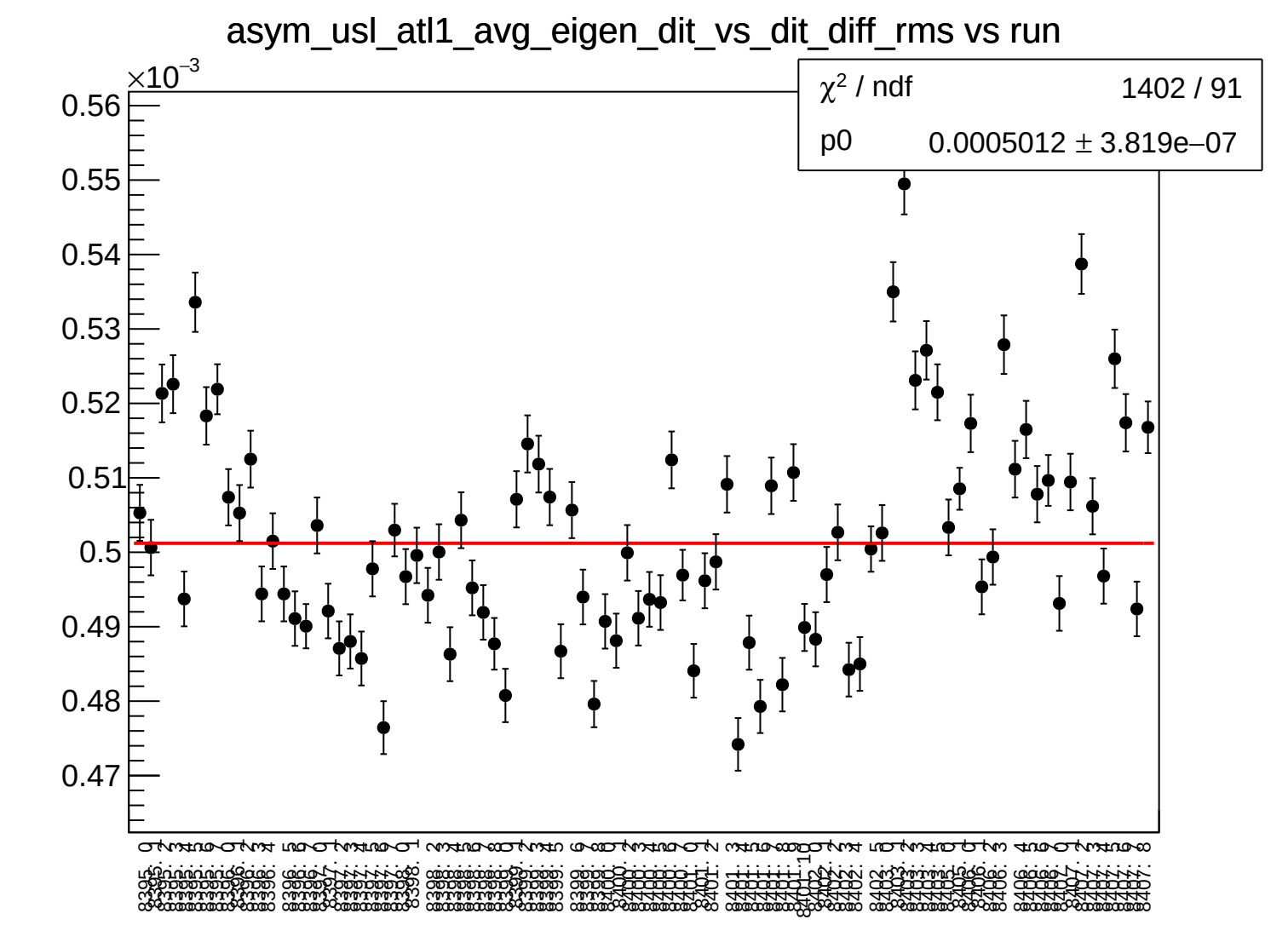

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.54e+05 / 91
p0 32.87 ± 0.02711
350
300
250
200
150
100
50

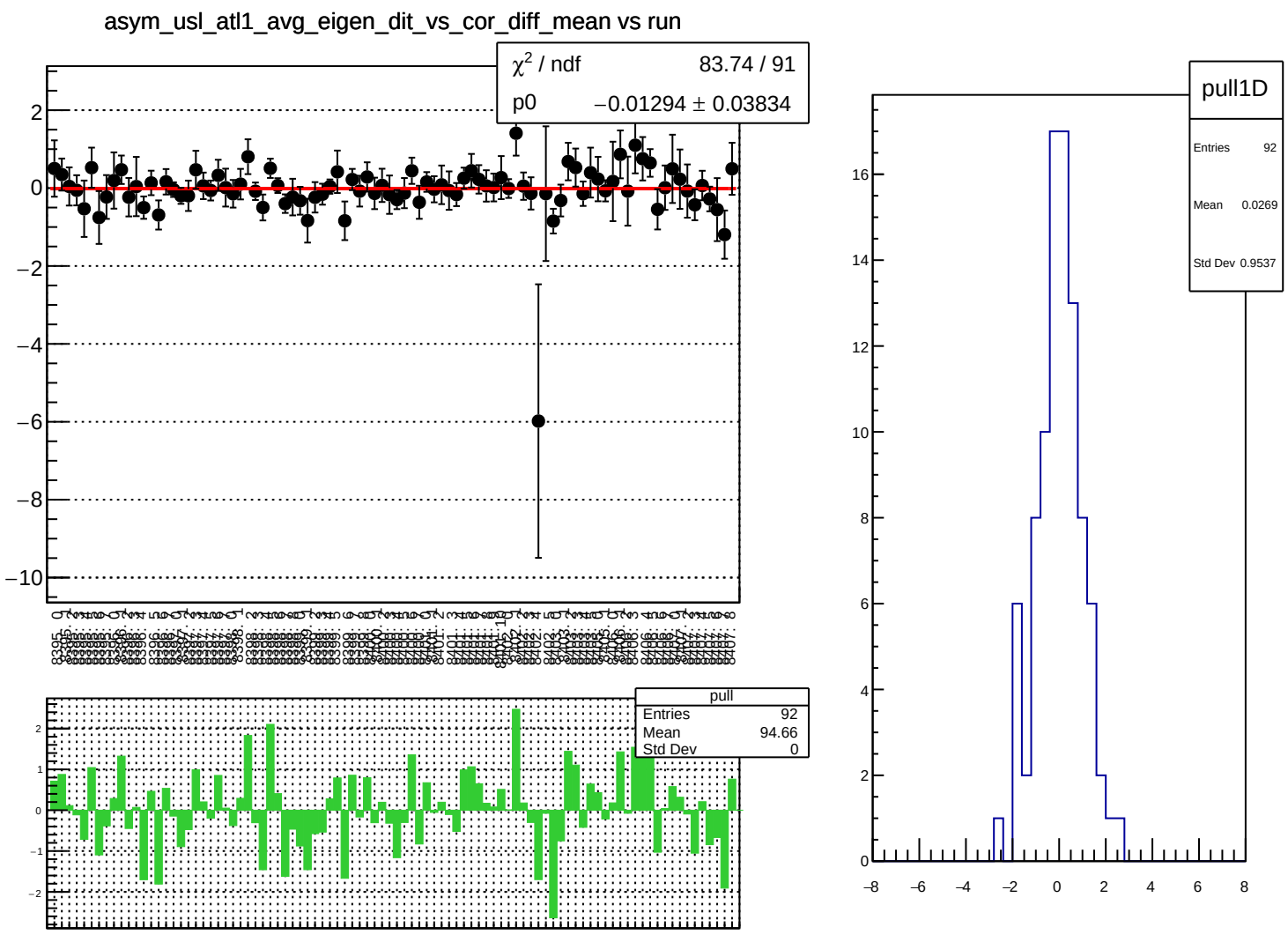

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.74 / 91
p0 −0.01294 ± 0.03834
pull
Entries 92
Mean 94.66
Std Dev 0
pull1D
Entries 92
Mean 0.0269
Std Dev 0.9537

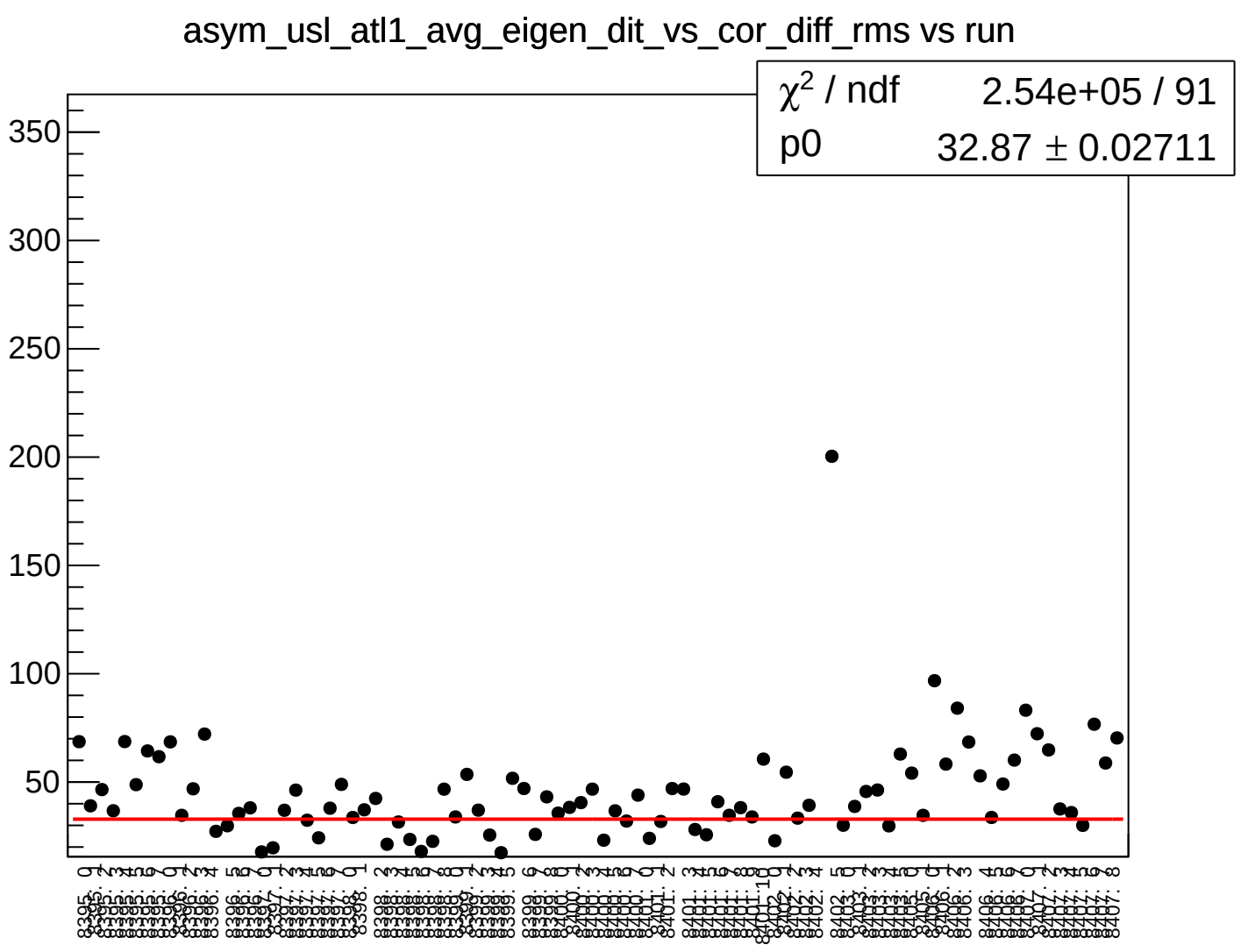

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 2.54e+05 / 91
p0 32.87 ± 0.02711
350
300
250
200
150
100
50

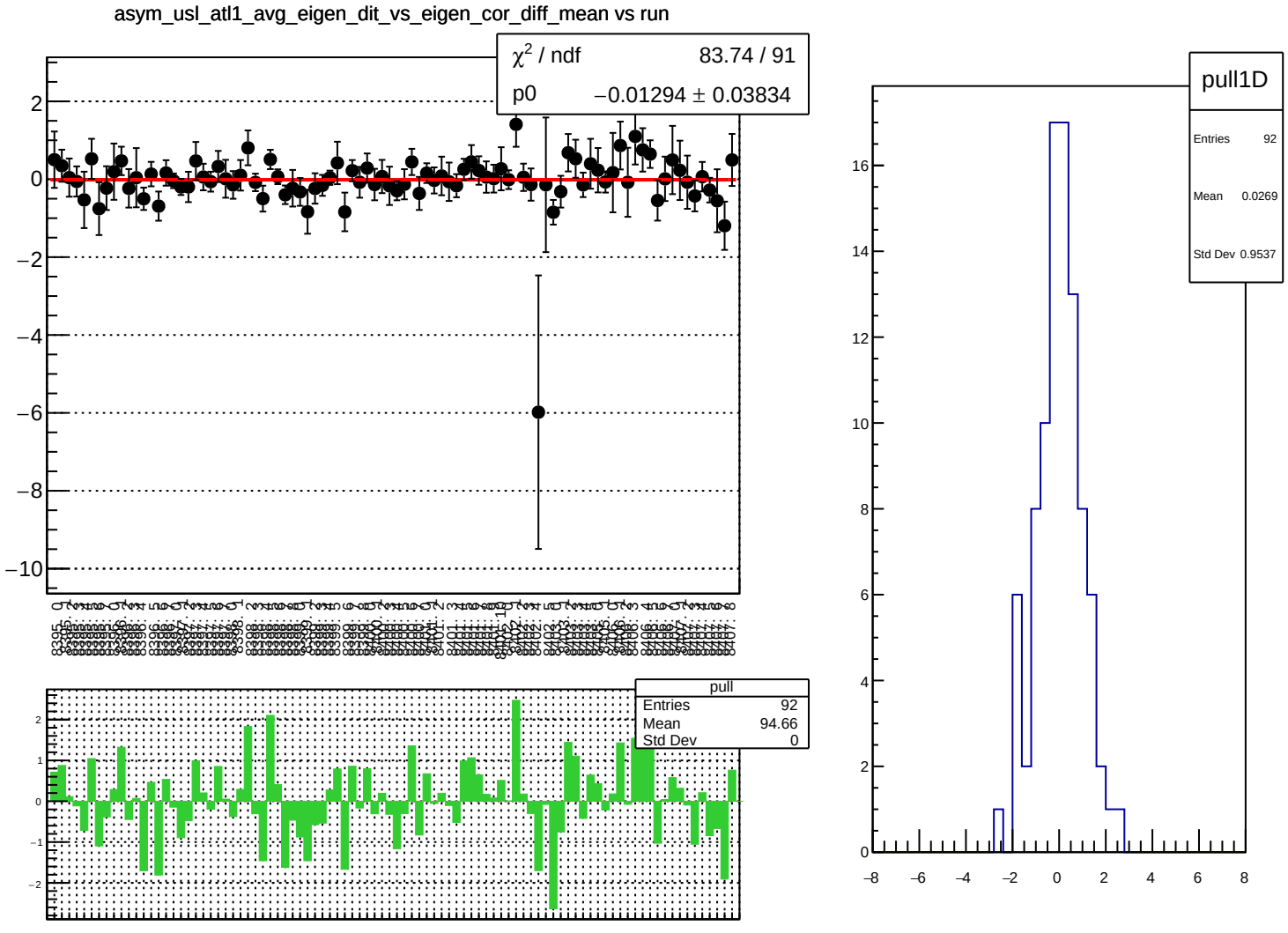

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 86.76 / 91
p0 −1.577e−06 ± 5.401e−07
pull
Entries 92
Mean 728.7
Std Dev 0

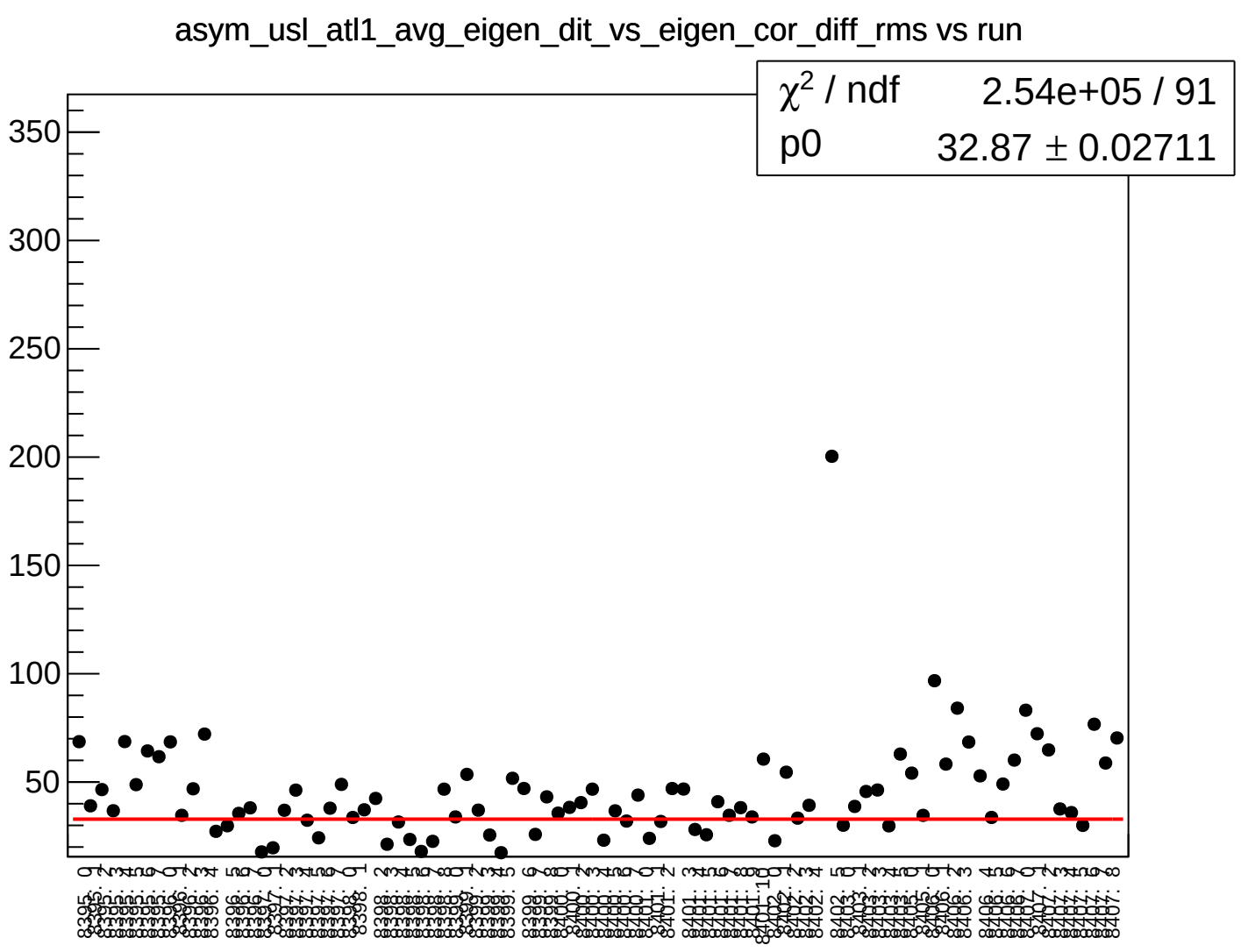

pull1D
Entries 92
Mean −0.001348
Std Dev 0.9711

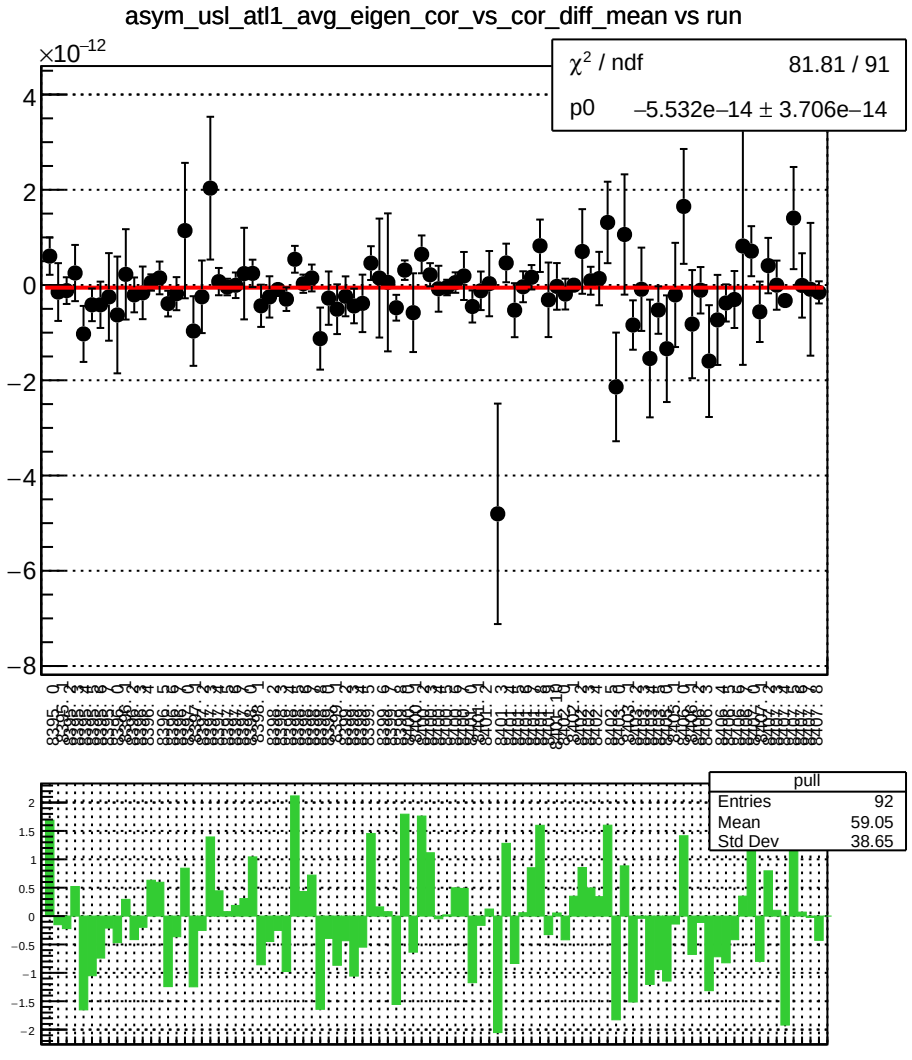

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1402 / 91
p0 0.0005012 ± 3.819e−07
0.56
0.55
0.54
0.53
0.52
0.51
0.5
0.49
0.48
0.47

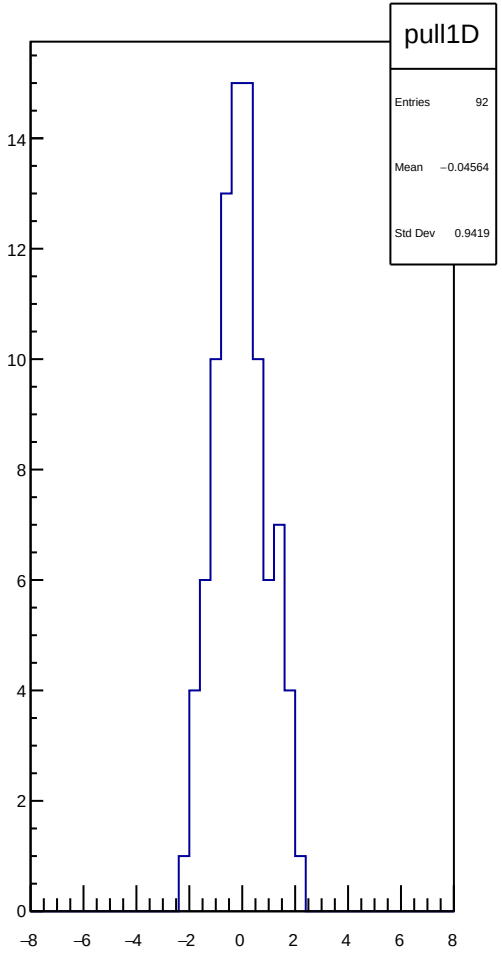

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.74 / 91
p0 −0.01294 ± 0.03834
pull
Entries 92
Mean 94.66
Std Dev 0
pull1D
Entries 92
Mean 0.0269
Std Dev 0.9537

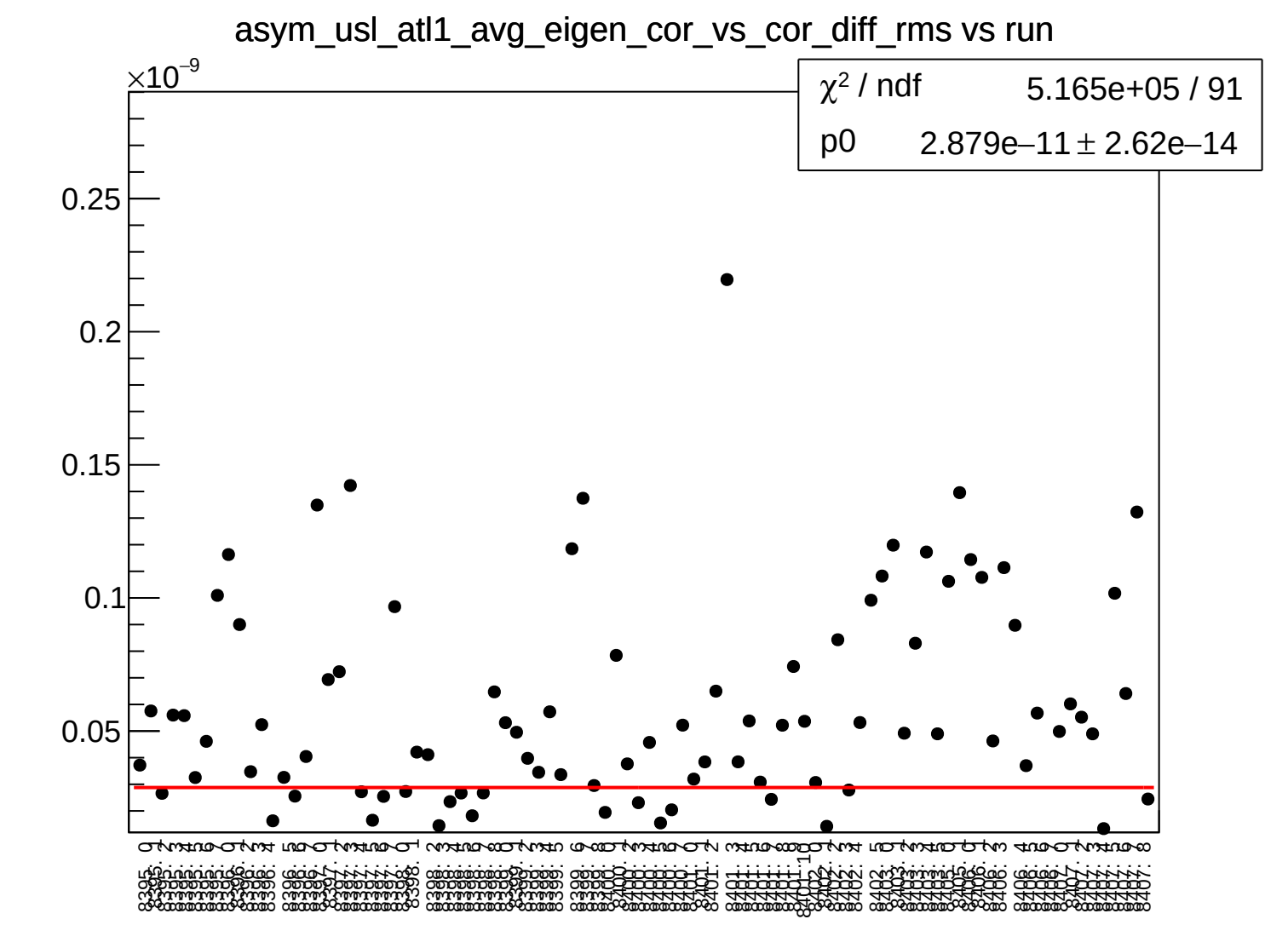

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.54e+05 / 91
p0 32.87 ± 0.02711
350
300
250
200
150
100
50

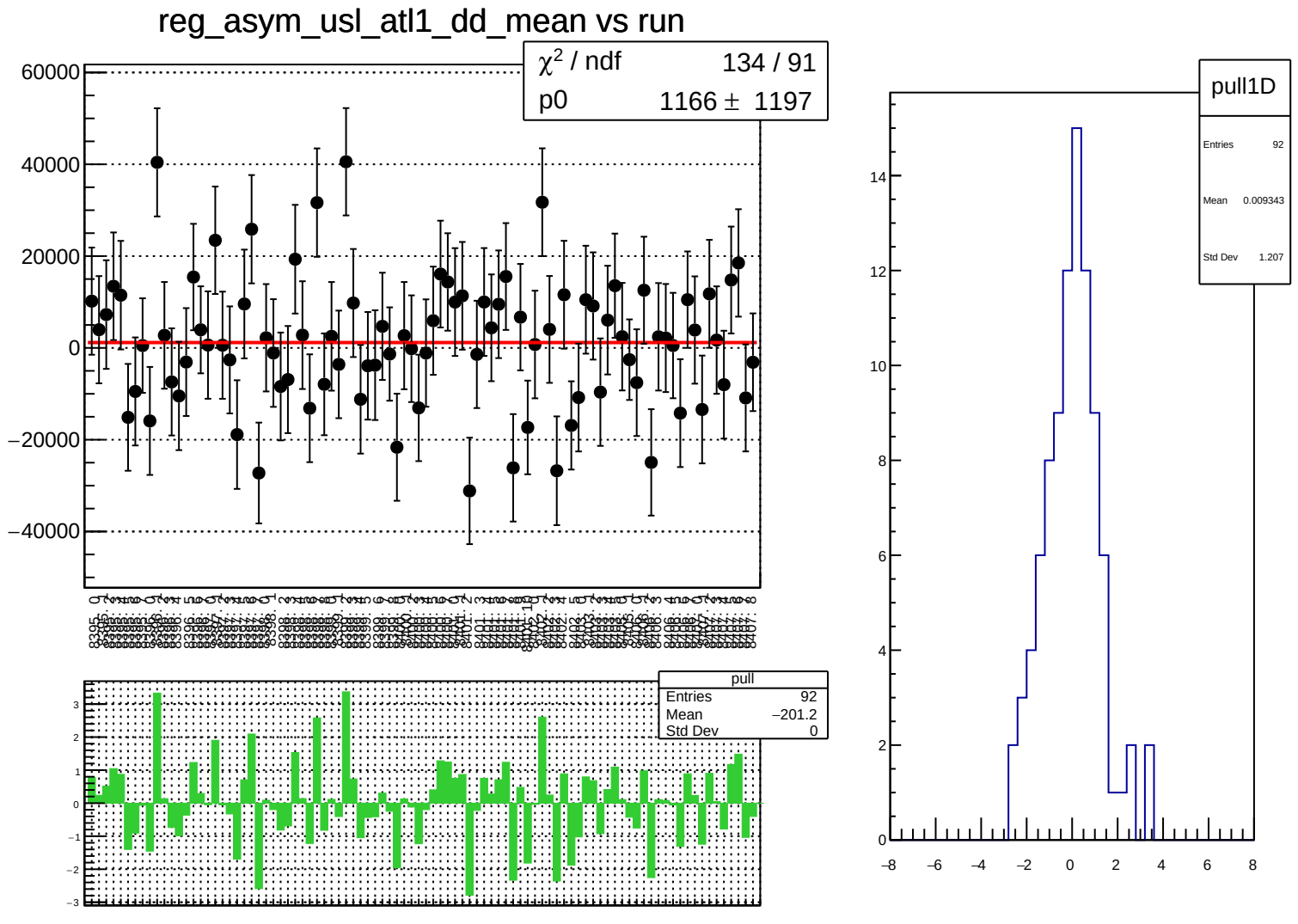

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.74 / 91
p0 −0.01294 ± 0.03834
pull
Entries 92
Mean 94.66
Std Dev 0
pull1D
Entries 92
Mean 0.0269
Std Dev 0.9537

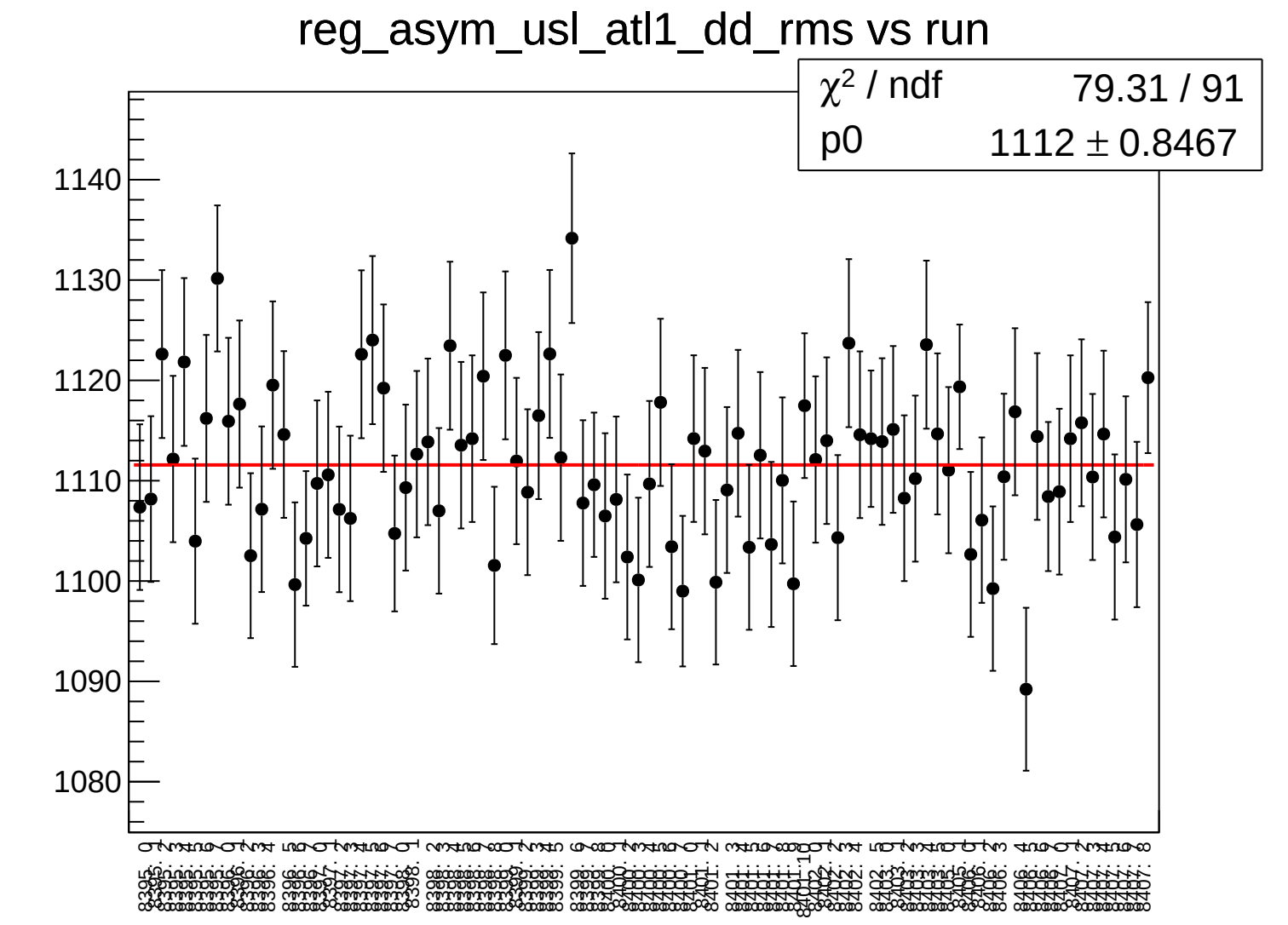

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.54e+05 / 91
p0 32.87 ± 0.02711
350
300
250
200
150
100
50

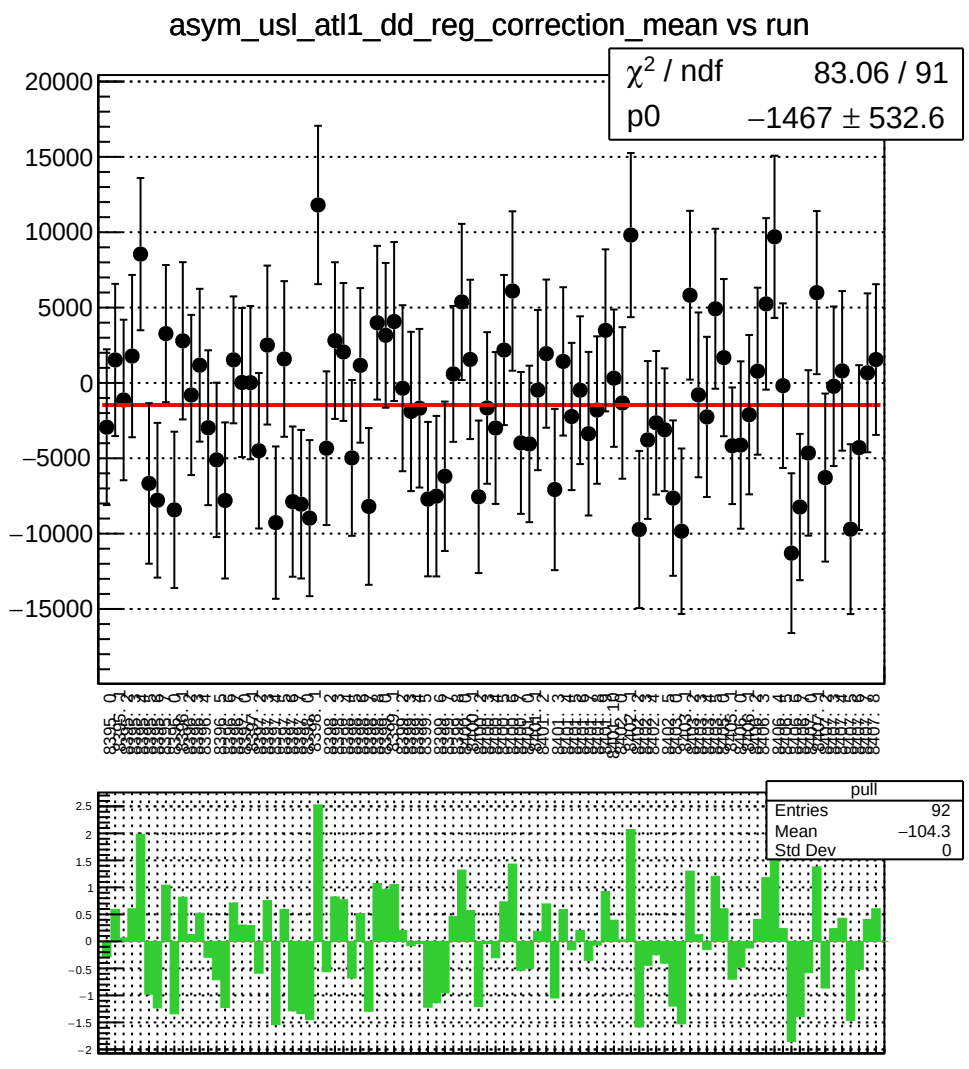

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.81 / 91
p0 −5.532e−14 ± 3.706e−14
pull
Entries 92
Mean 59.05
Std Dev 38.65

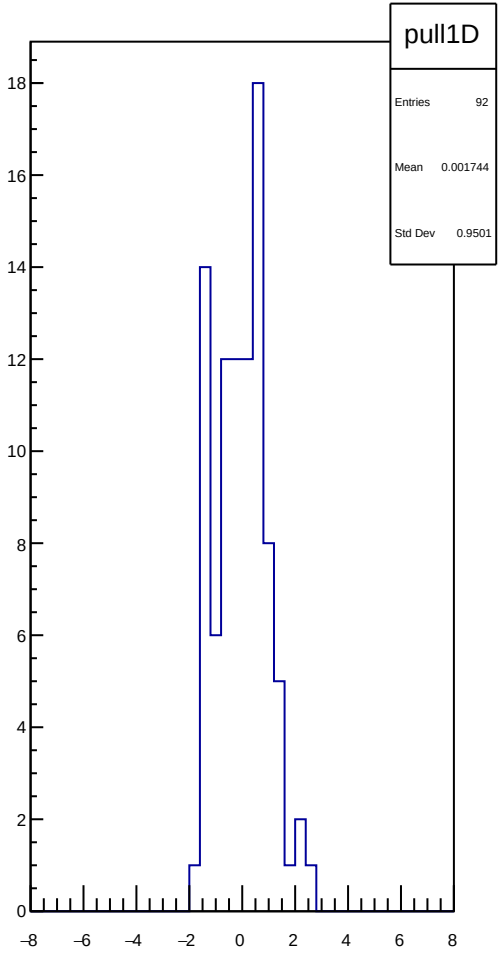

pull1D
Entries 92
Mean −0.04564
Std Dev 0.9419

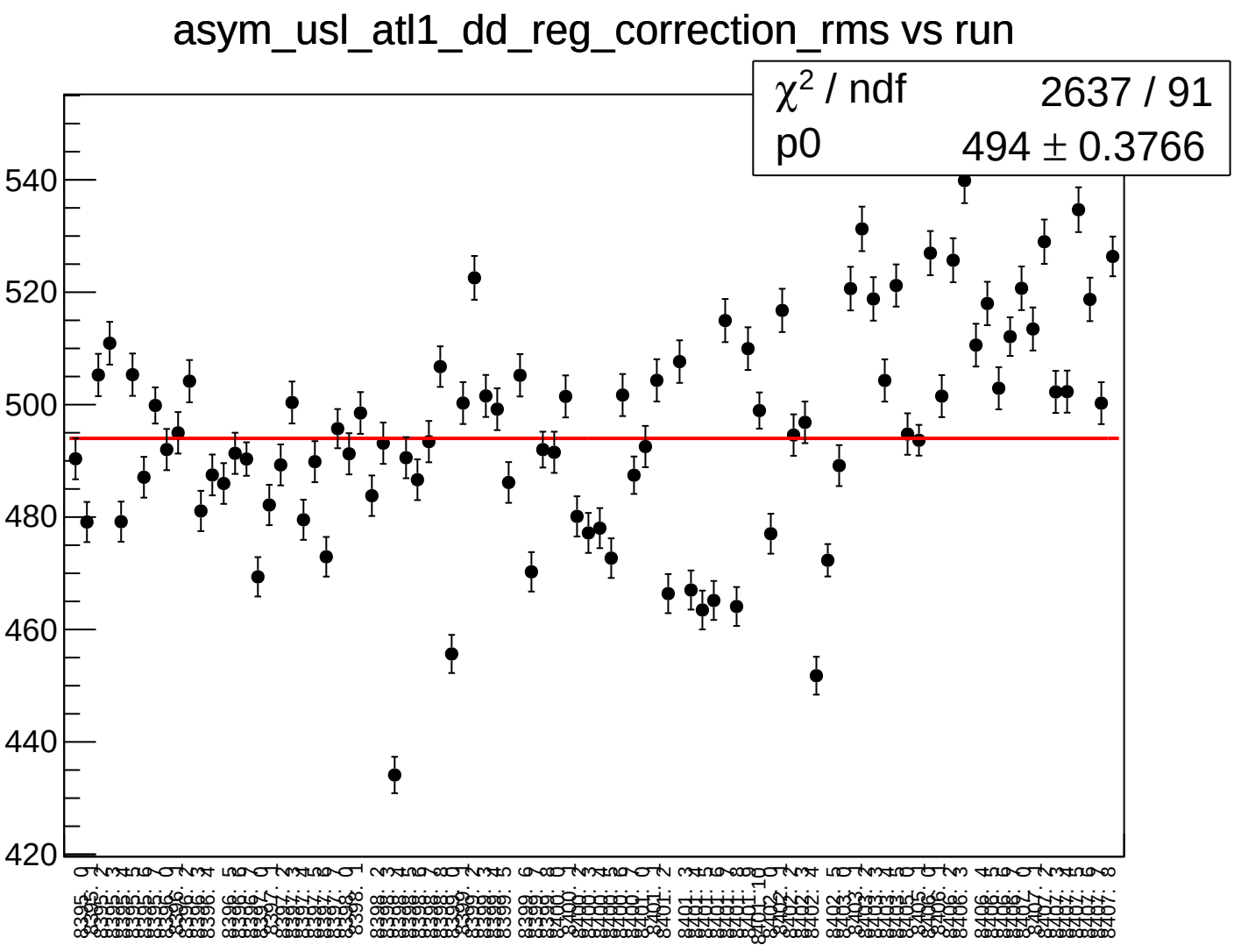

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.165e+05 / 91
p0 2.879e−11 ± 2.62e−14
0.25
0.2
0.15
0.1
0.05

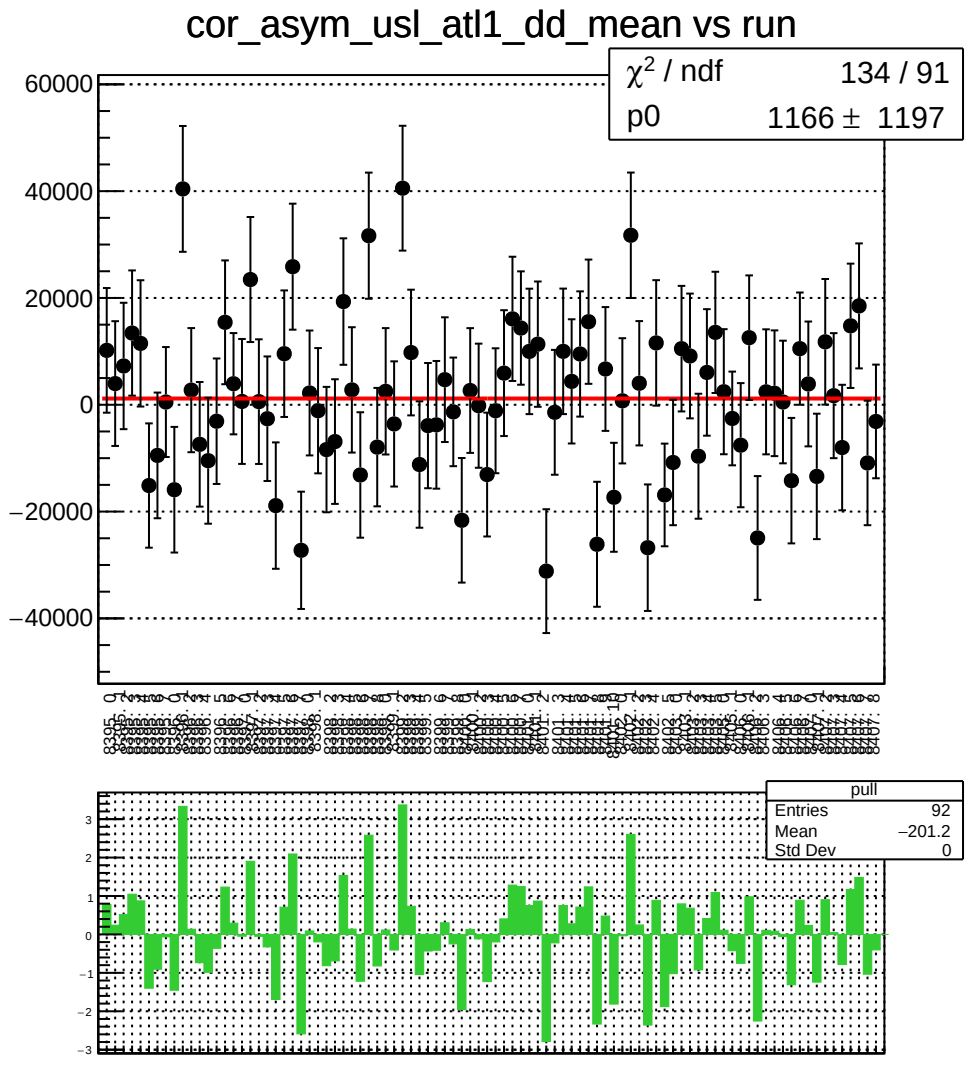

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 134 / 91
p0 1166 ± 1197
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −201.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.009343
Std Dev 1.207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

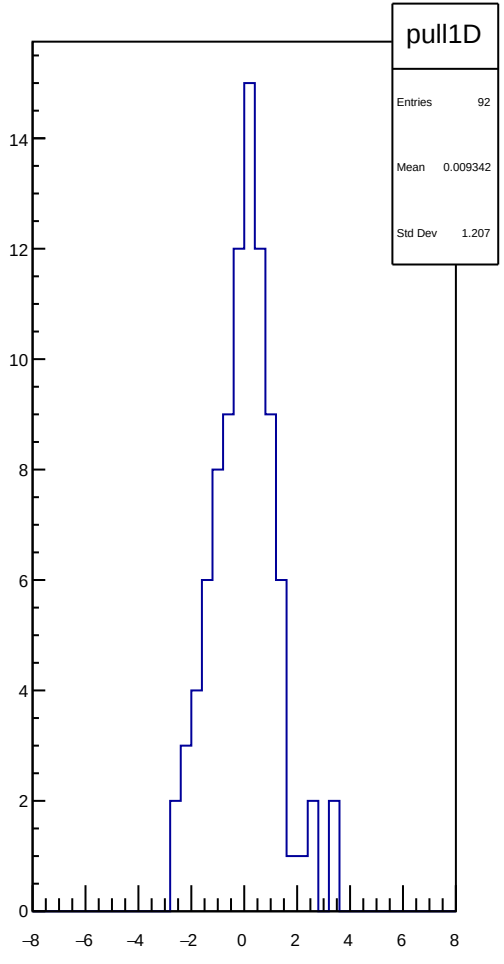

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 79.31 / 91
p0 1112 ± 0.8467
1140
1130
1120
1110
1100
1090
1080

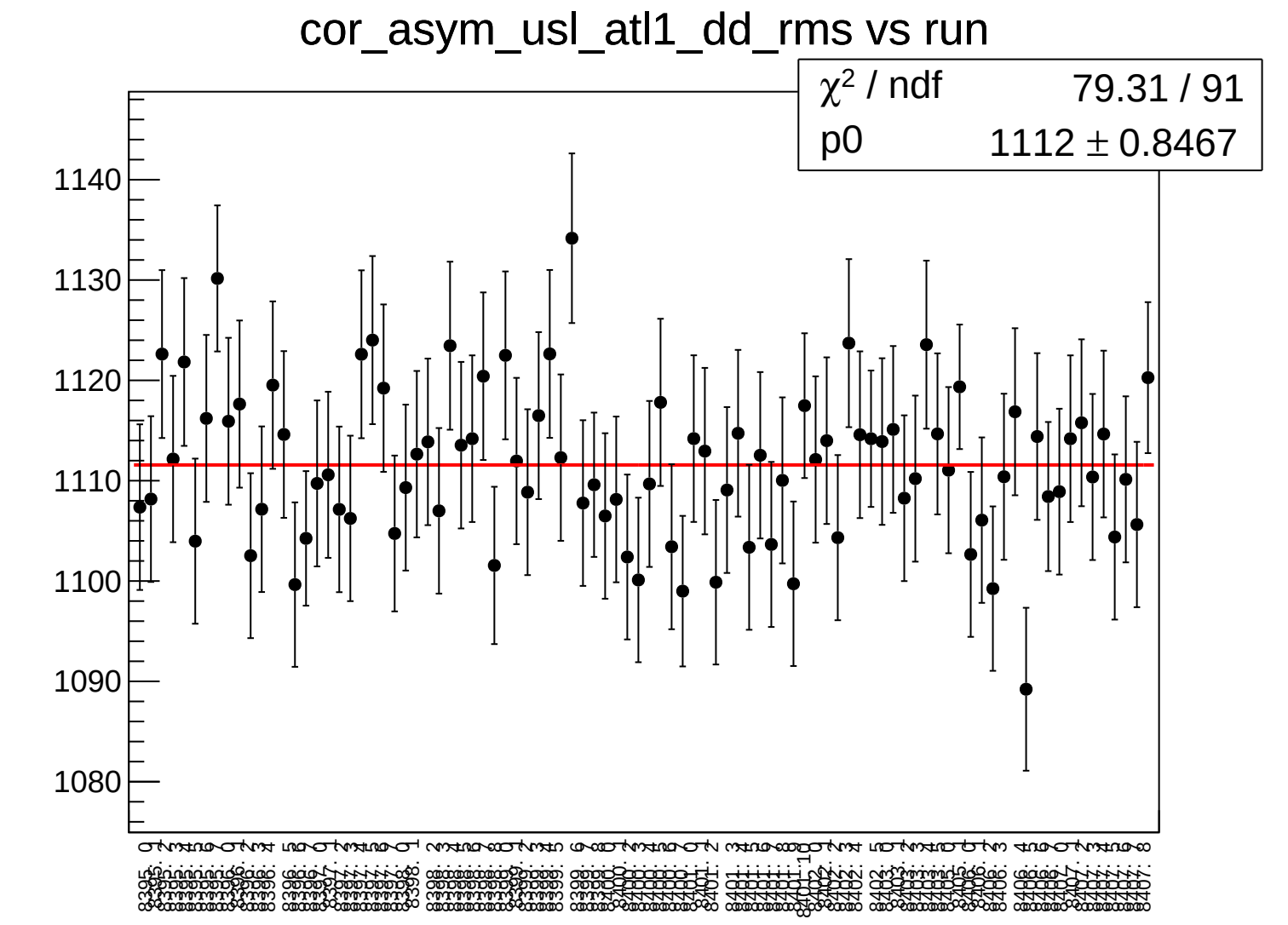

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 83.06 / 91
p0 −1467 ± 532.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −104.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

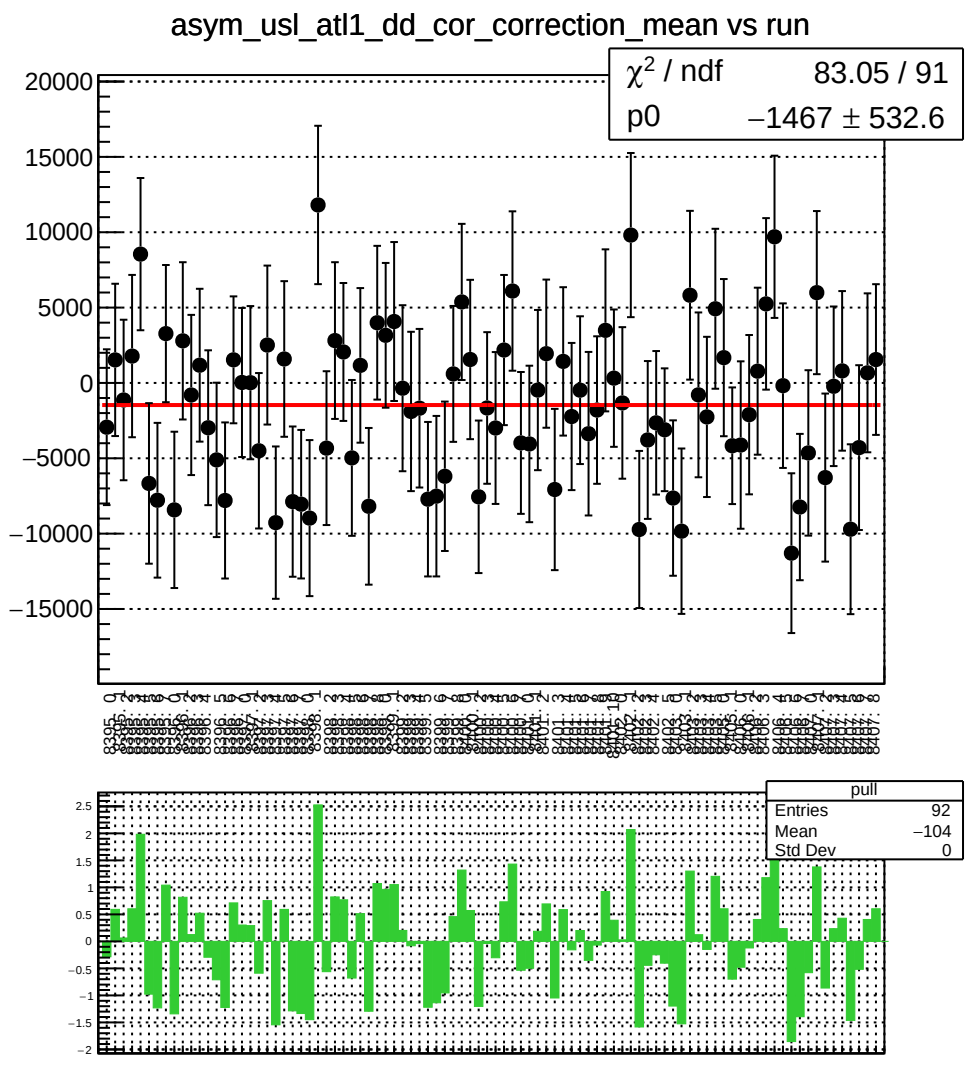

pull1D
Entries 92
Mean 0.001744
Std Dev 0.9501
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

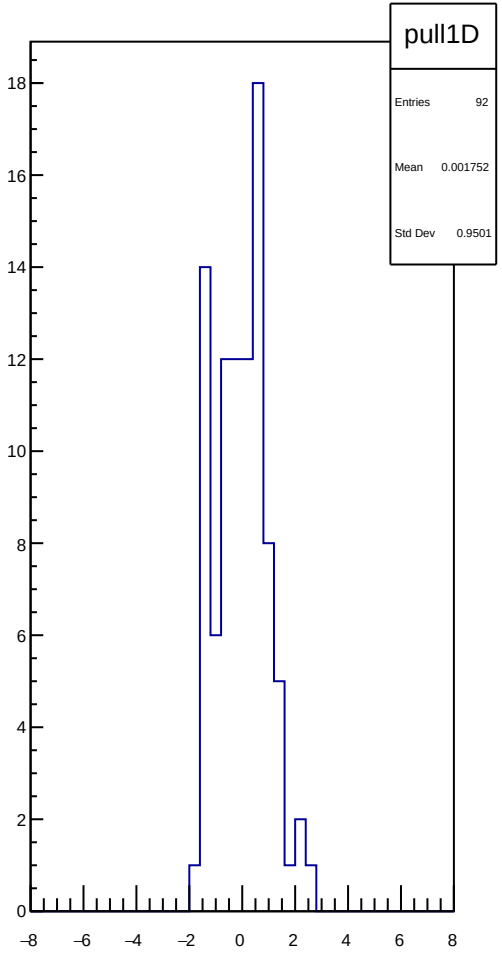

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 2637 / 91
p0 494 ± 0.3766
540
520
500
480
460
440
420

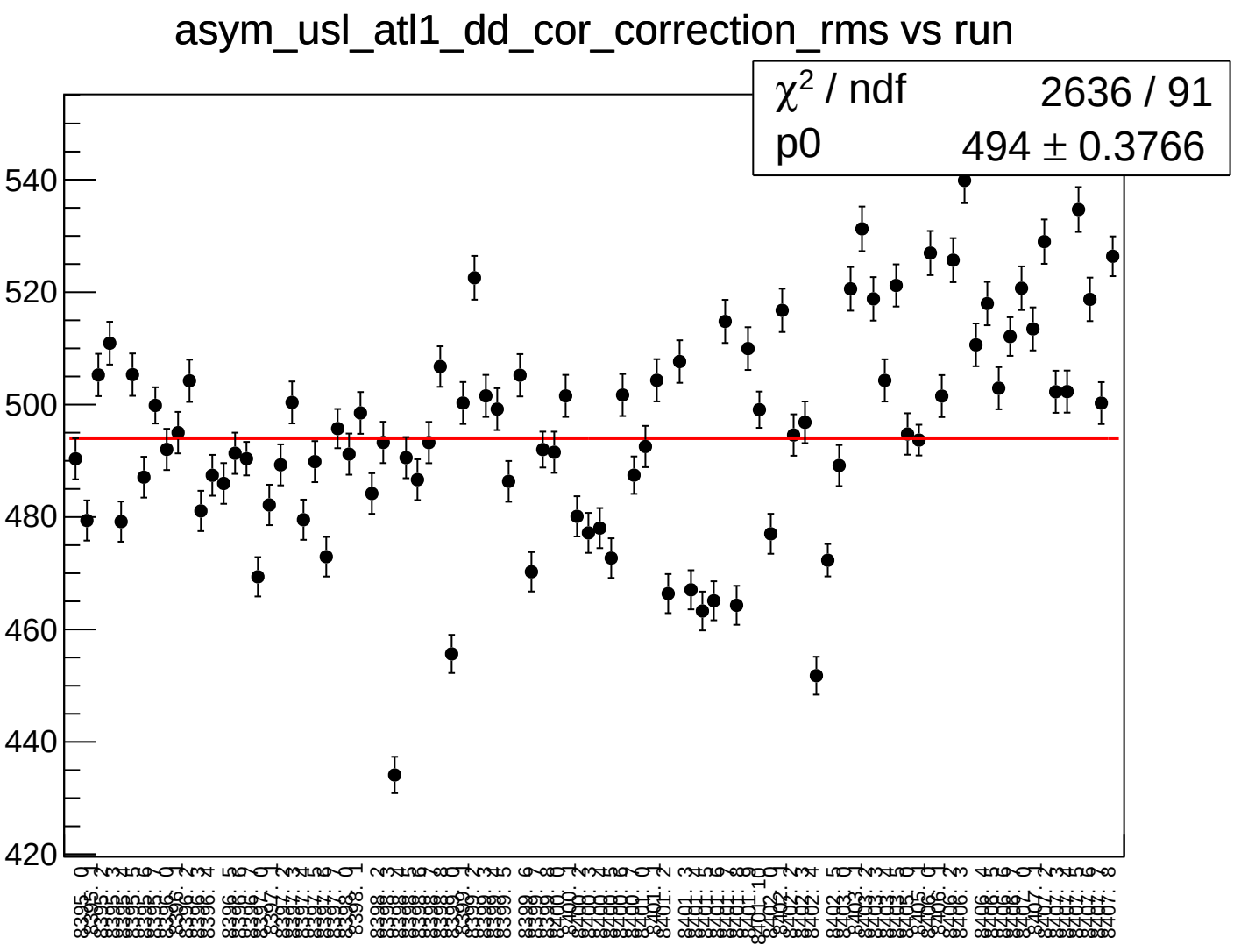

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 134 / 91
p0 1166 ± 1197
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −201.2
Std Dev 0
3
2
1
0
−1
−2
−3

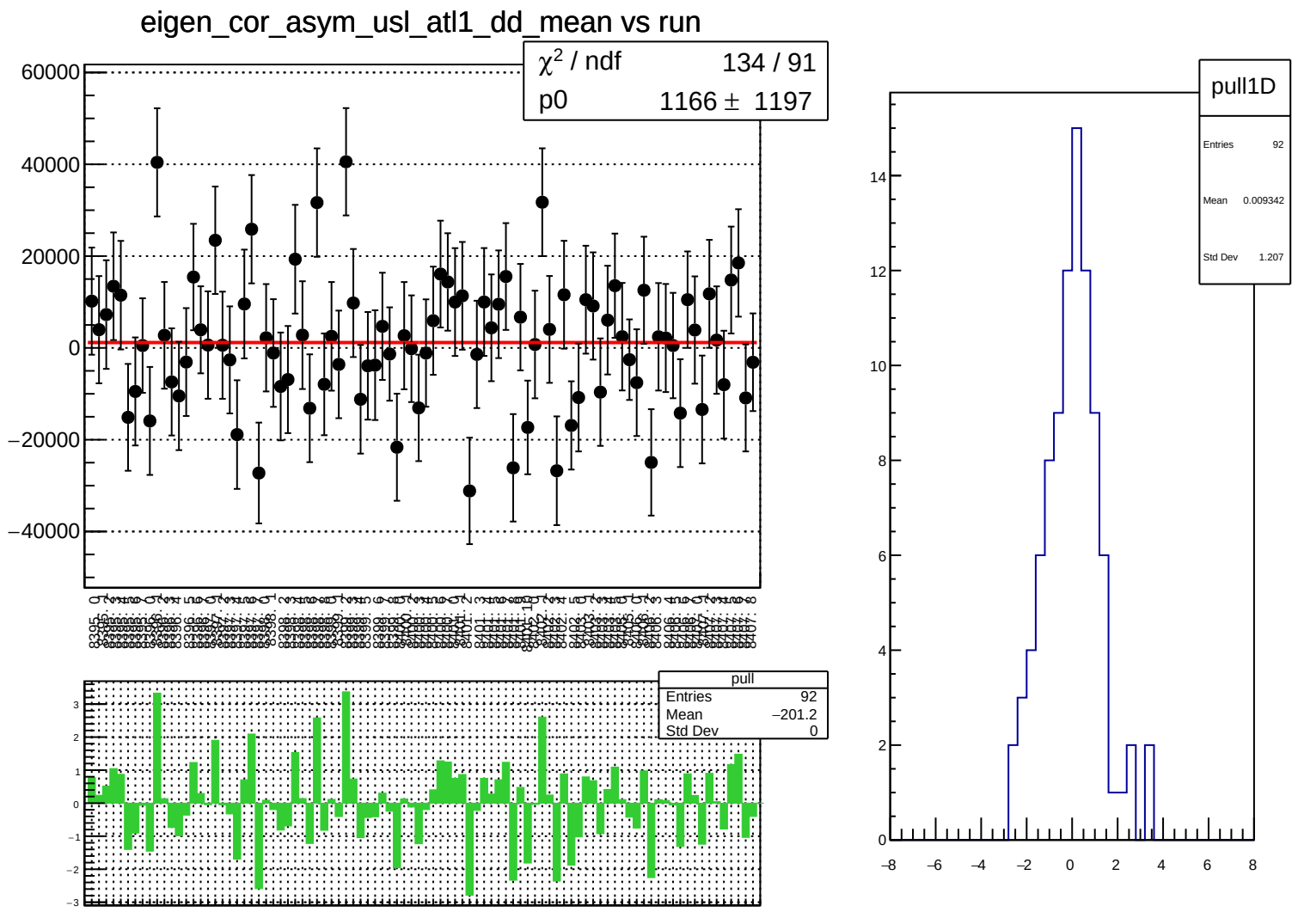

pull1D
Entries 92
Mean 0.009342
Std Dev 1.207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

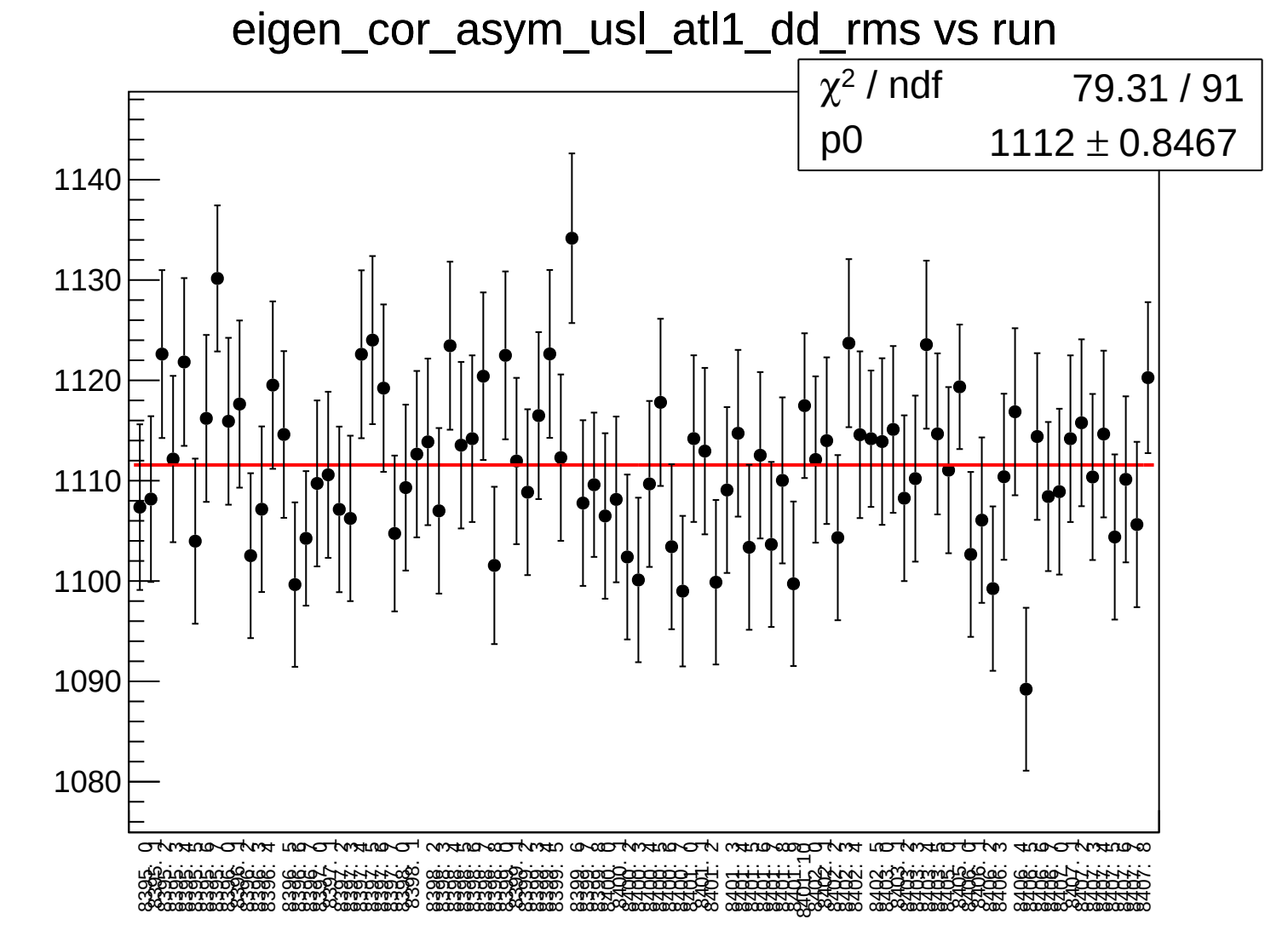

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 79.31 / 91
p0 1112 ± 0.8467
1140
1130
1120
1110
1100
1090
1080

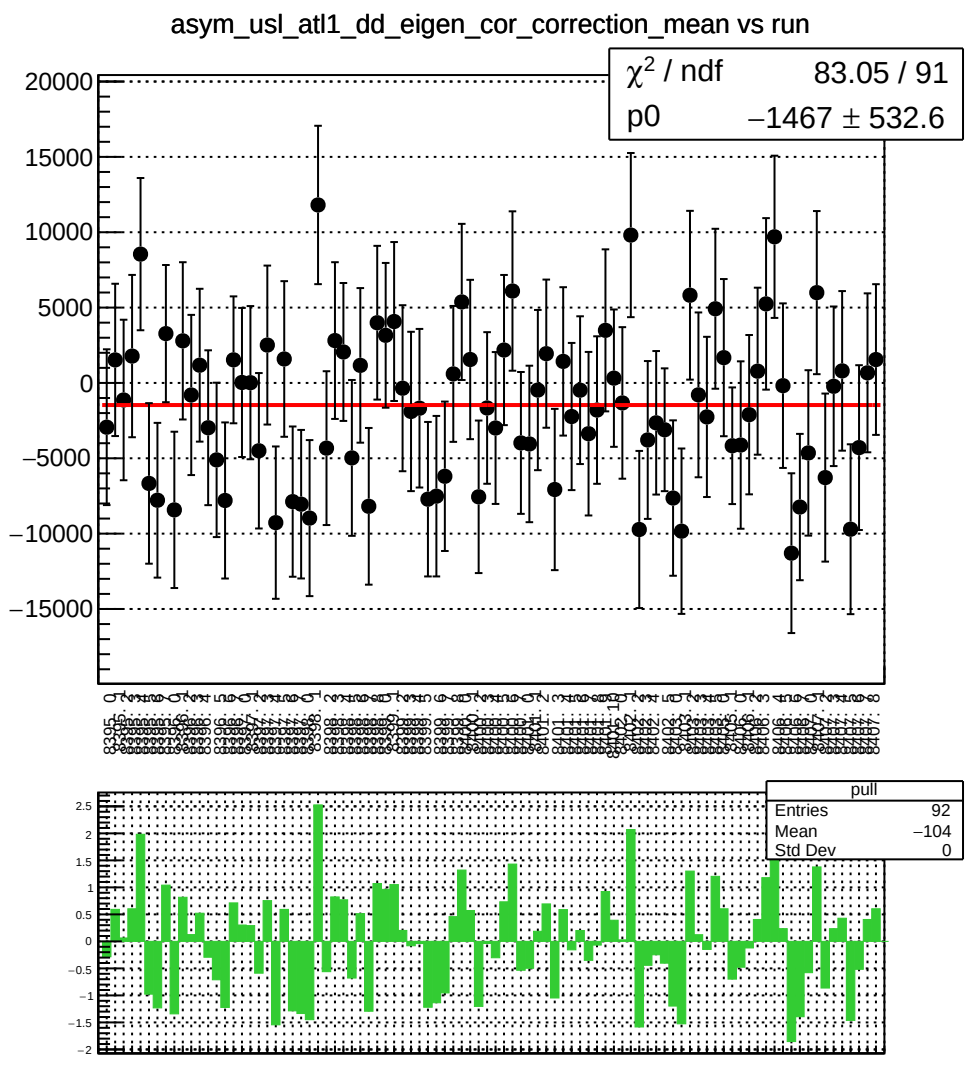

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 83.05 / 91
p0 −1467 ± 532.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −104
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

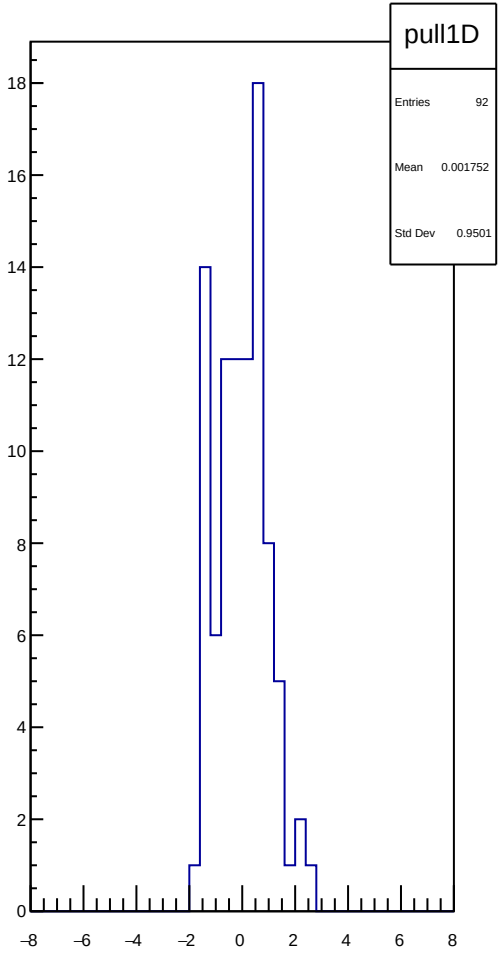

pull1D
Entries 92
Mean 0.001752
Std Dev 0.9501
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

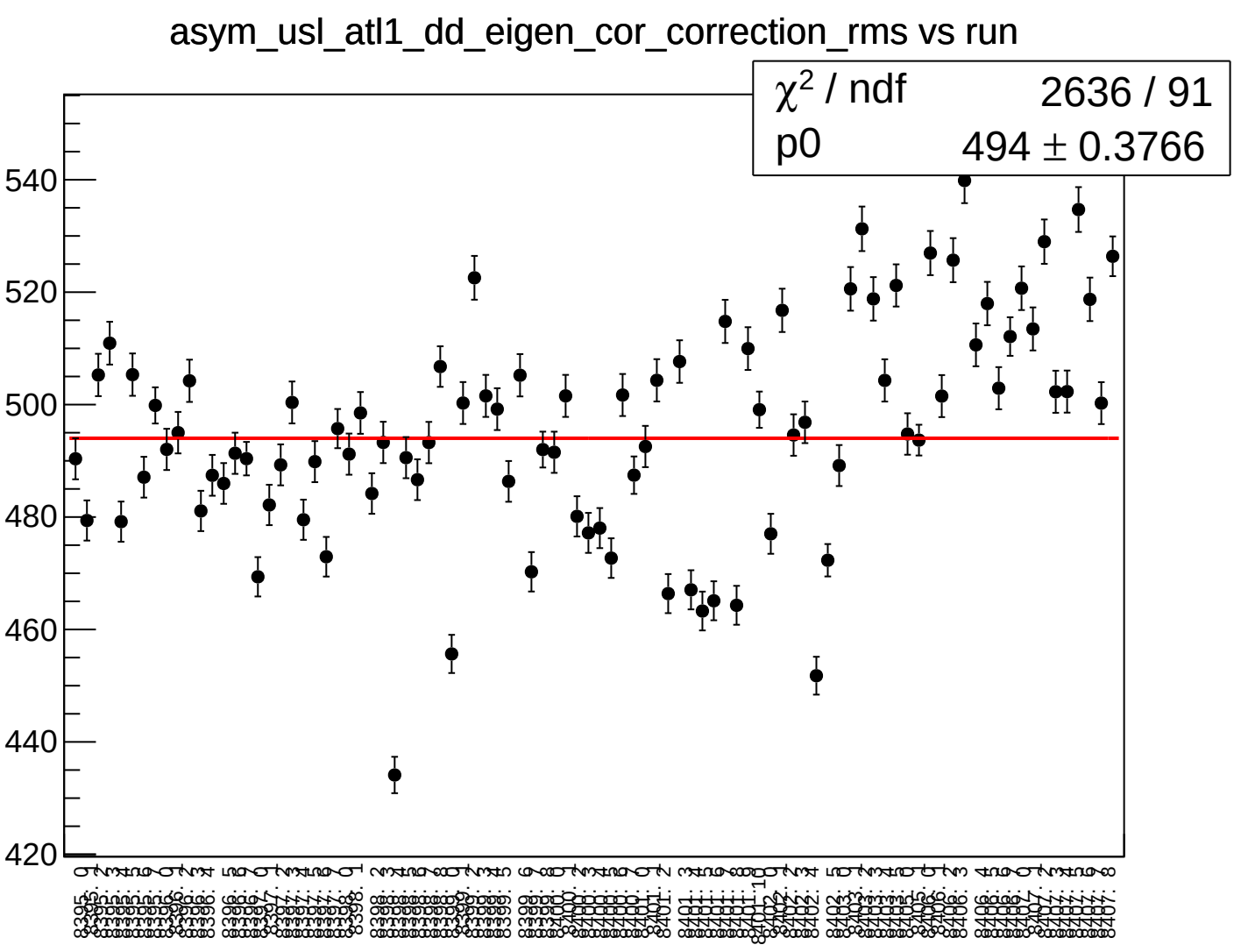

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 2636 / 91
p0 494 ± 0.3766
540
520
500
480
460
440
420

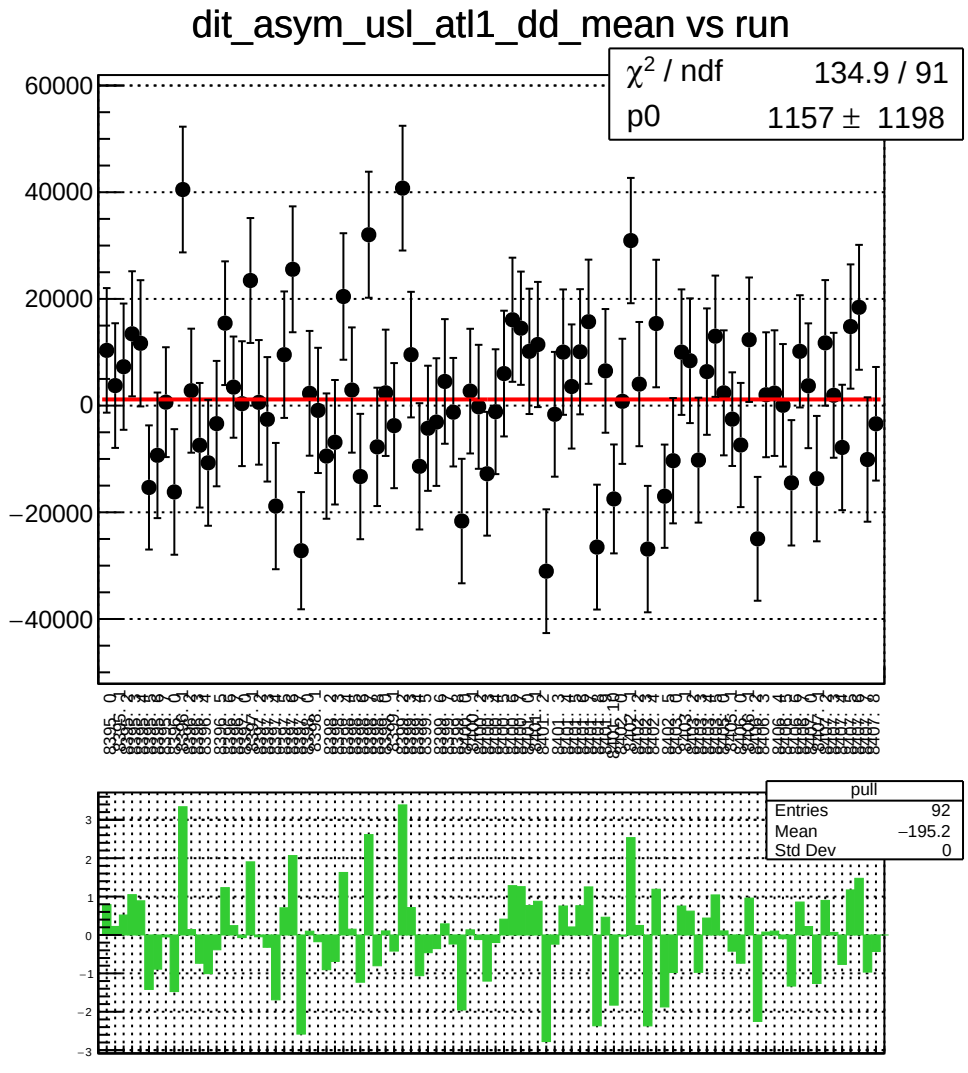

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 134 / 91
p0 1166 ± 1197
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −201.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.009342
Std Dev 1.207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

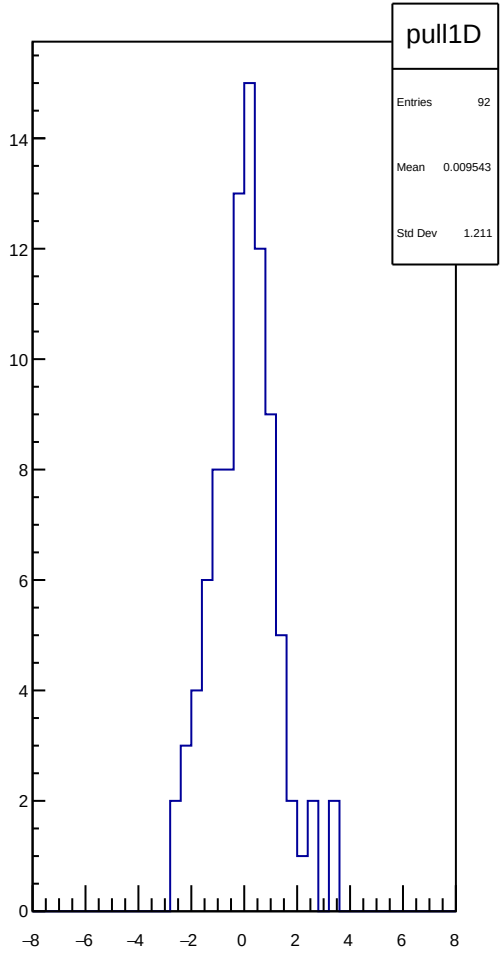

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 79.31 / 91
p0 1112 ± 0.8467
1140
1130
1120
1110
1100
1090
1080

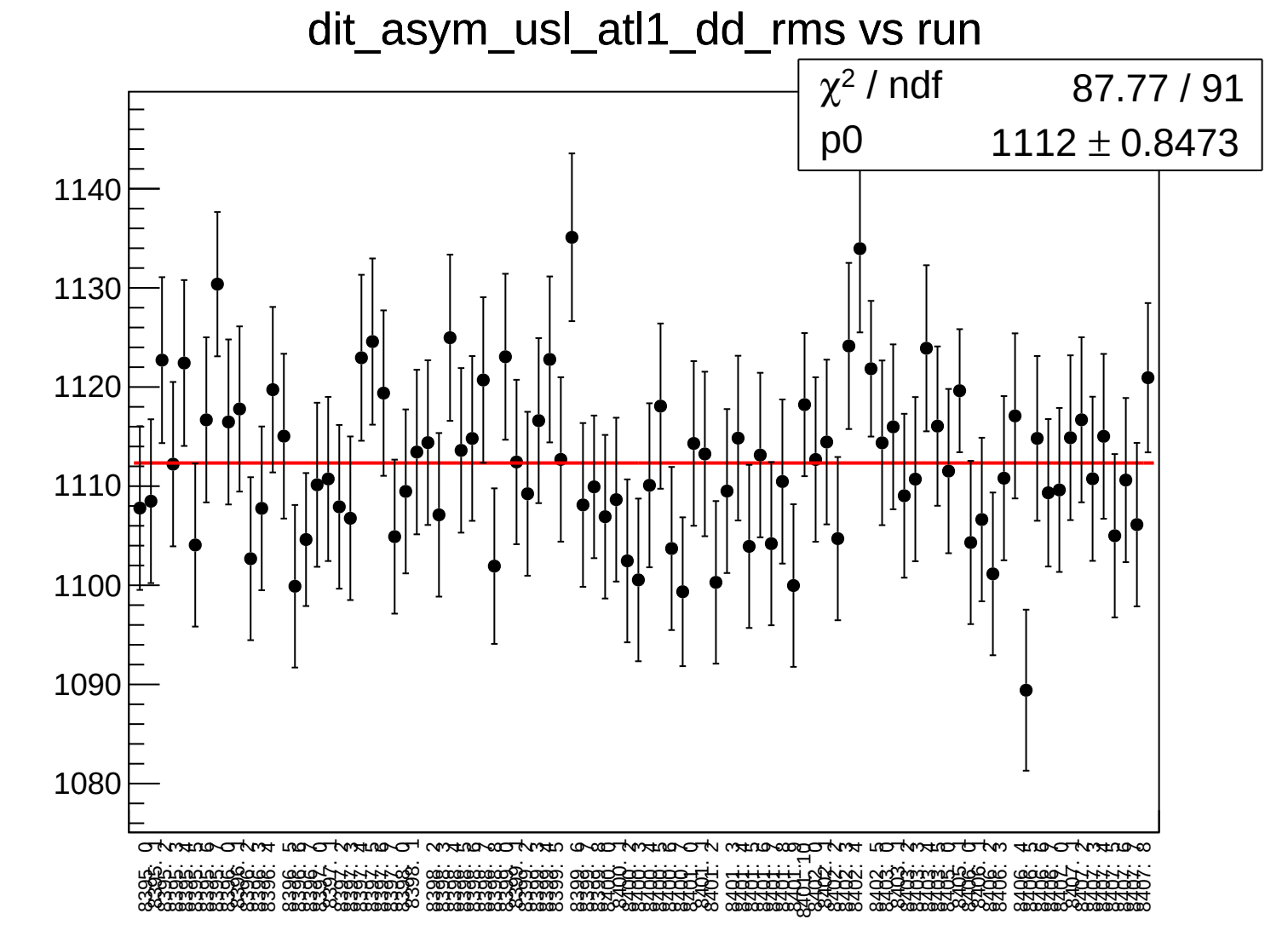

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.05 / 91
p0 −1467 ± 532.6
pull
Entries 92
Mean −104
Std Dev 0

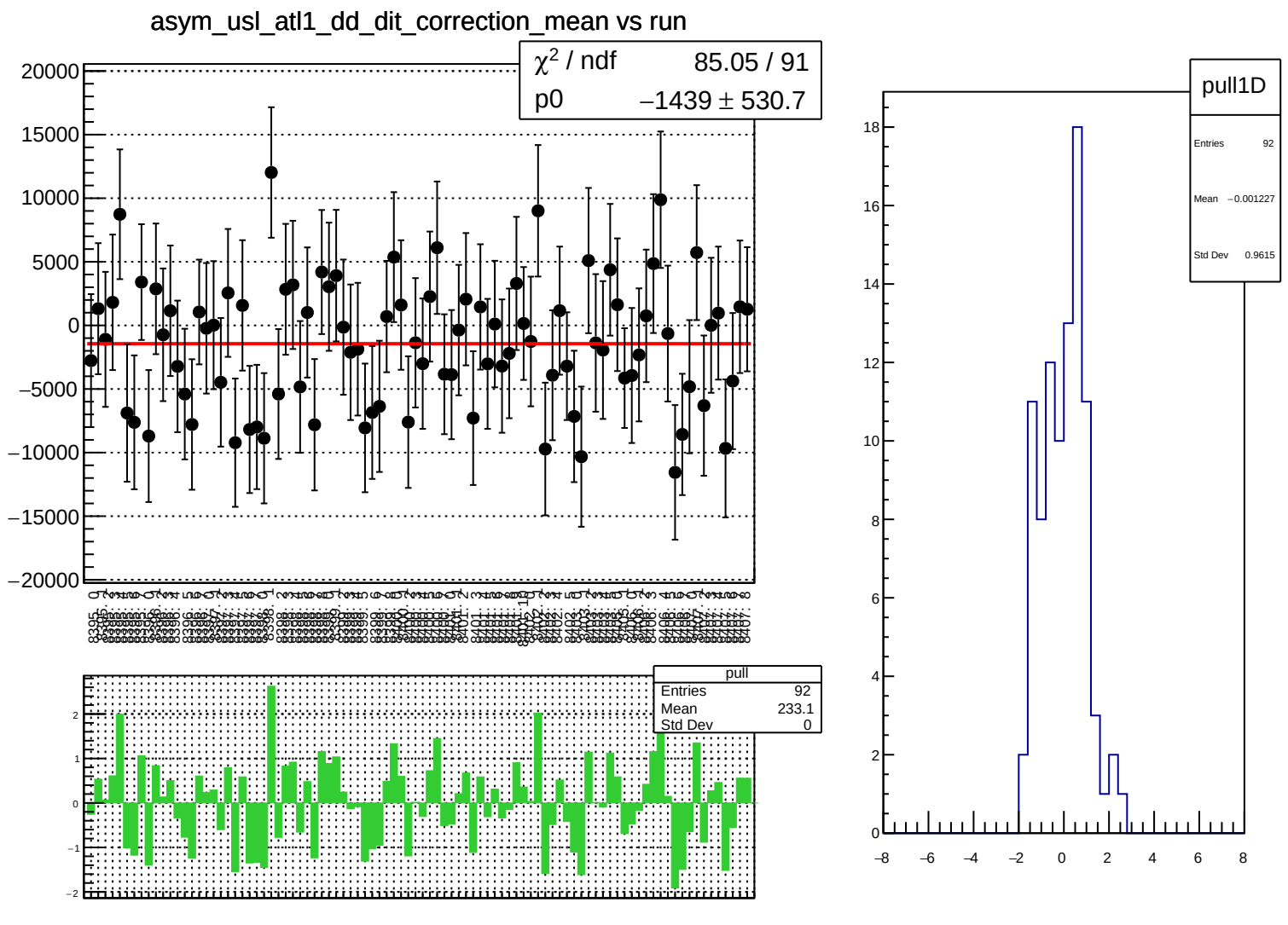

pull1D
Entries 92
Mean 0.001752
Std Dev 0.9501

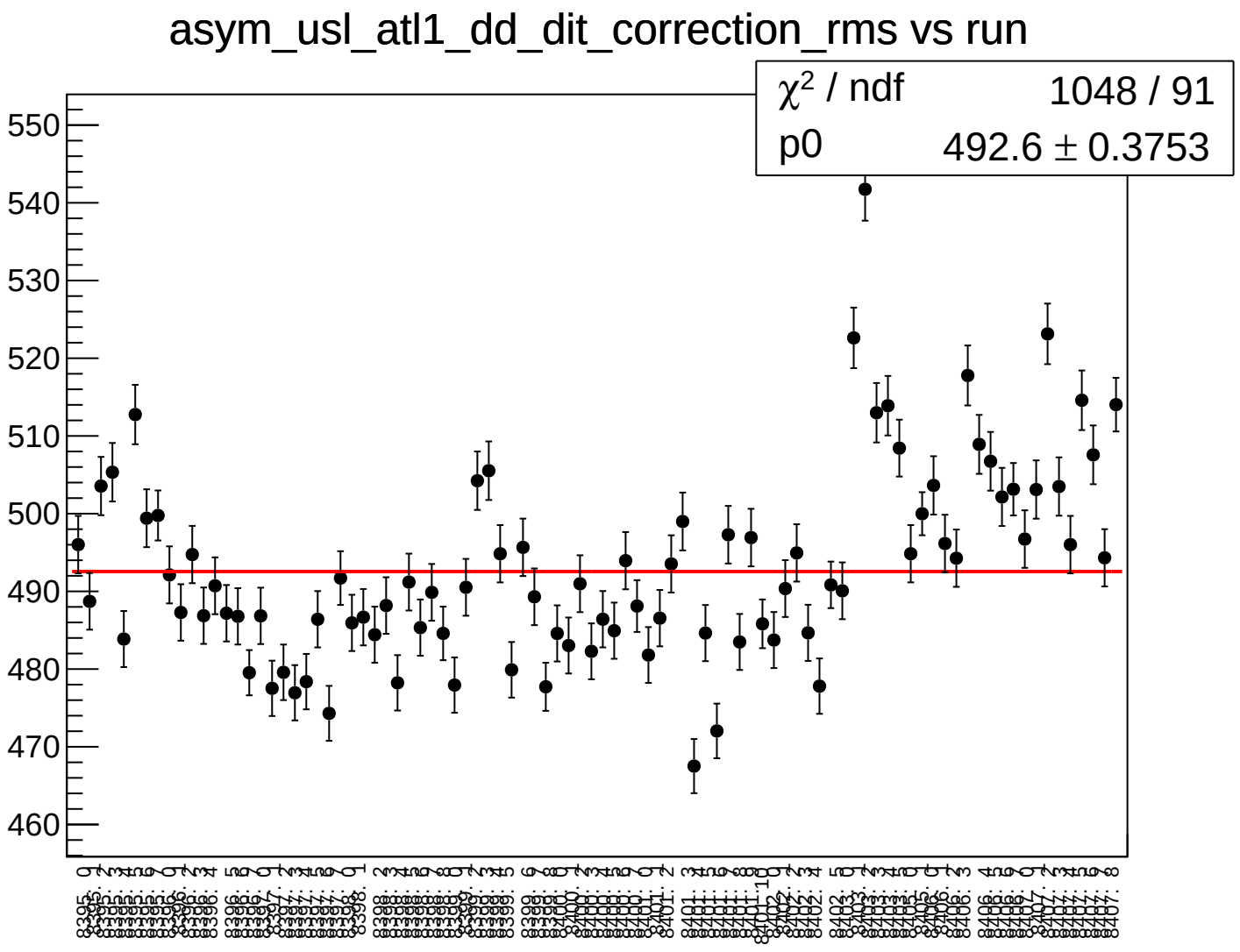

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2636 / 91
p0 494 ± 0.3766
540
520
500
480
460
440
420

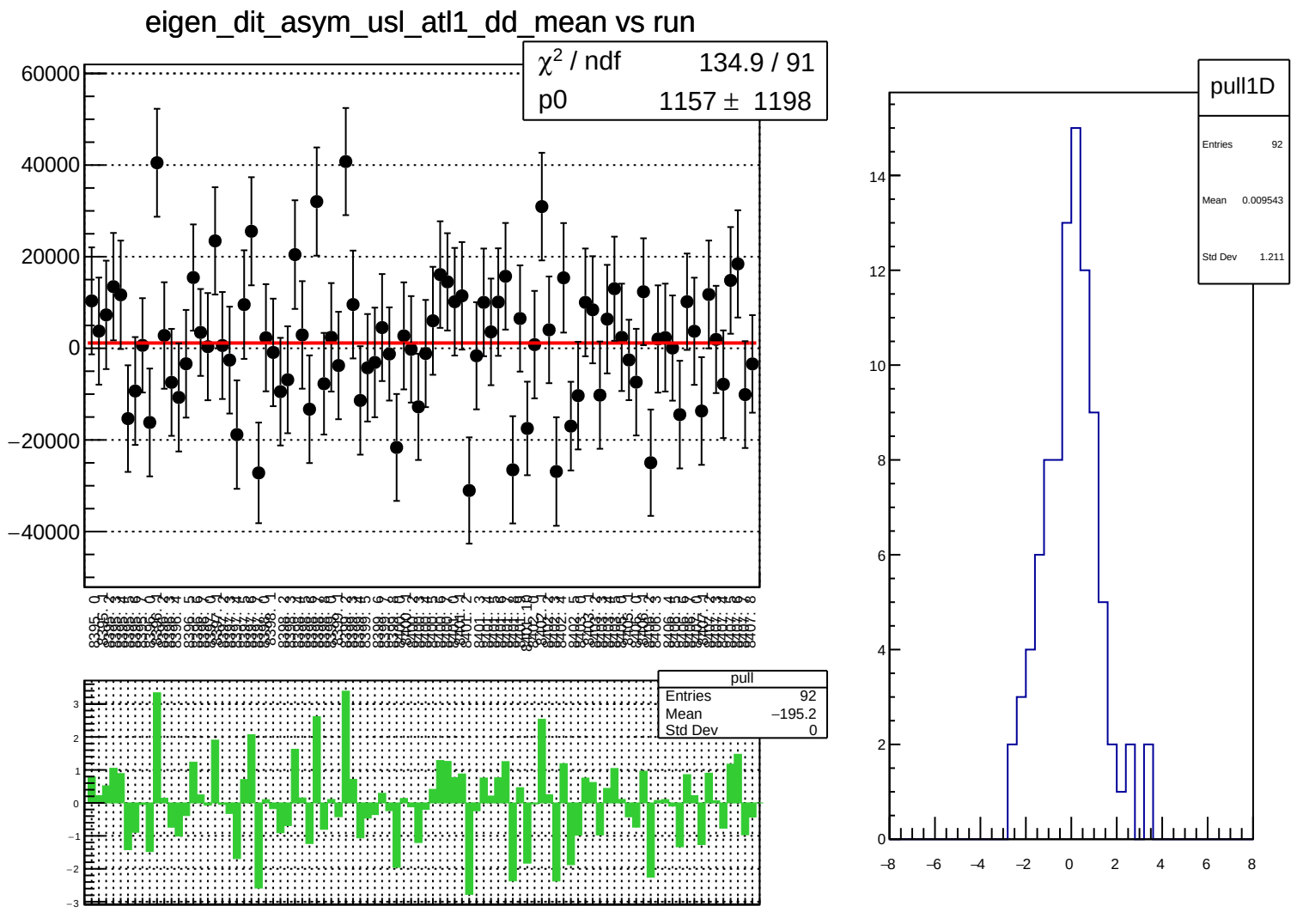

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 134.9 / 91
p0 1157 ± 1198
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −195.2
Std Dev 0
3
2
1
0
−1
−2
−3

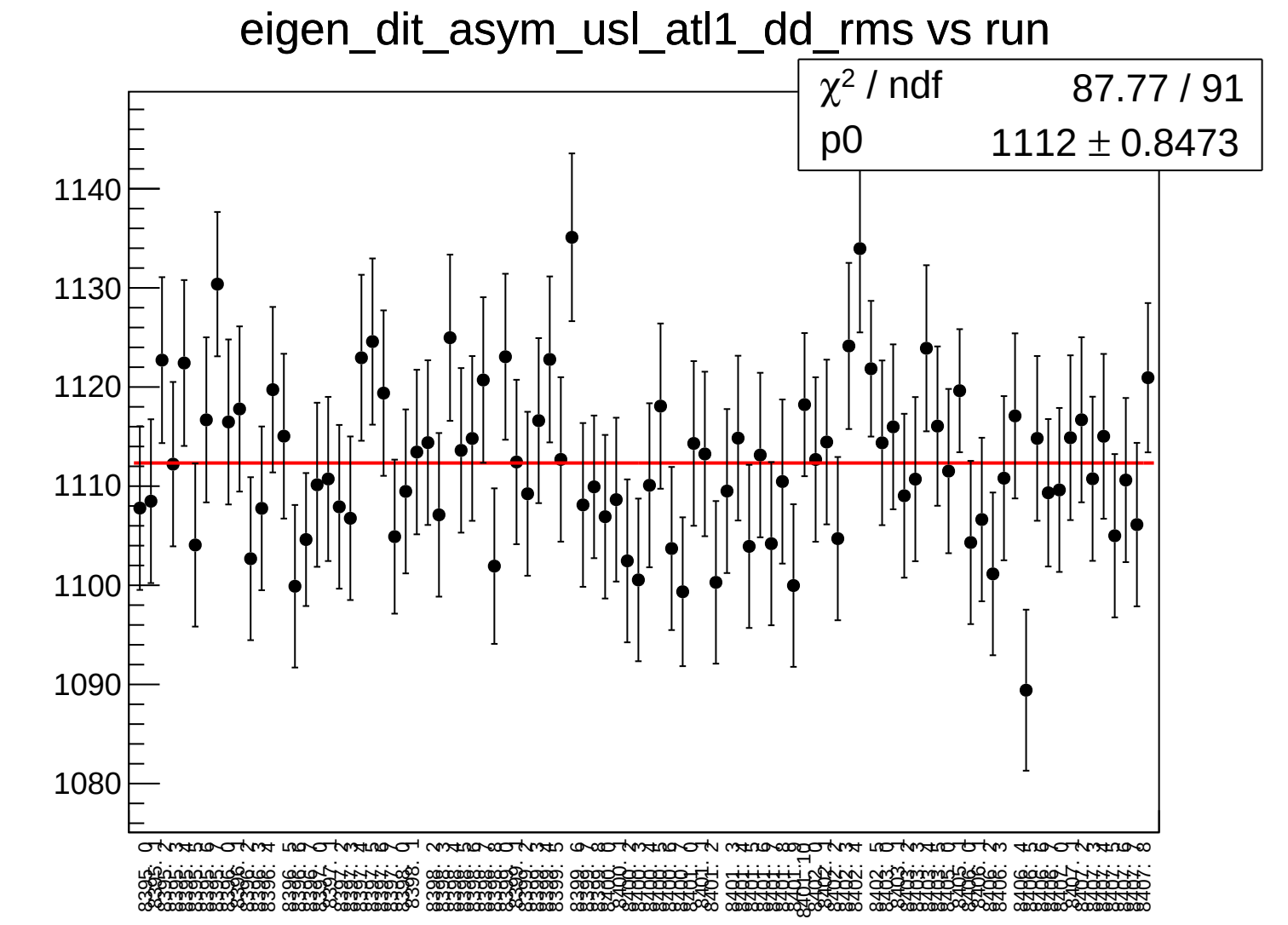

pull1D
Entries 92
Mean 0.009543
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

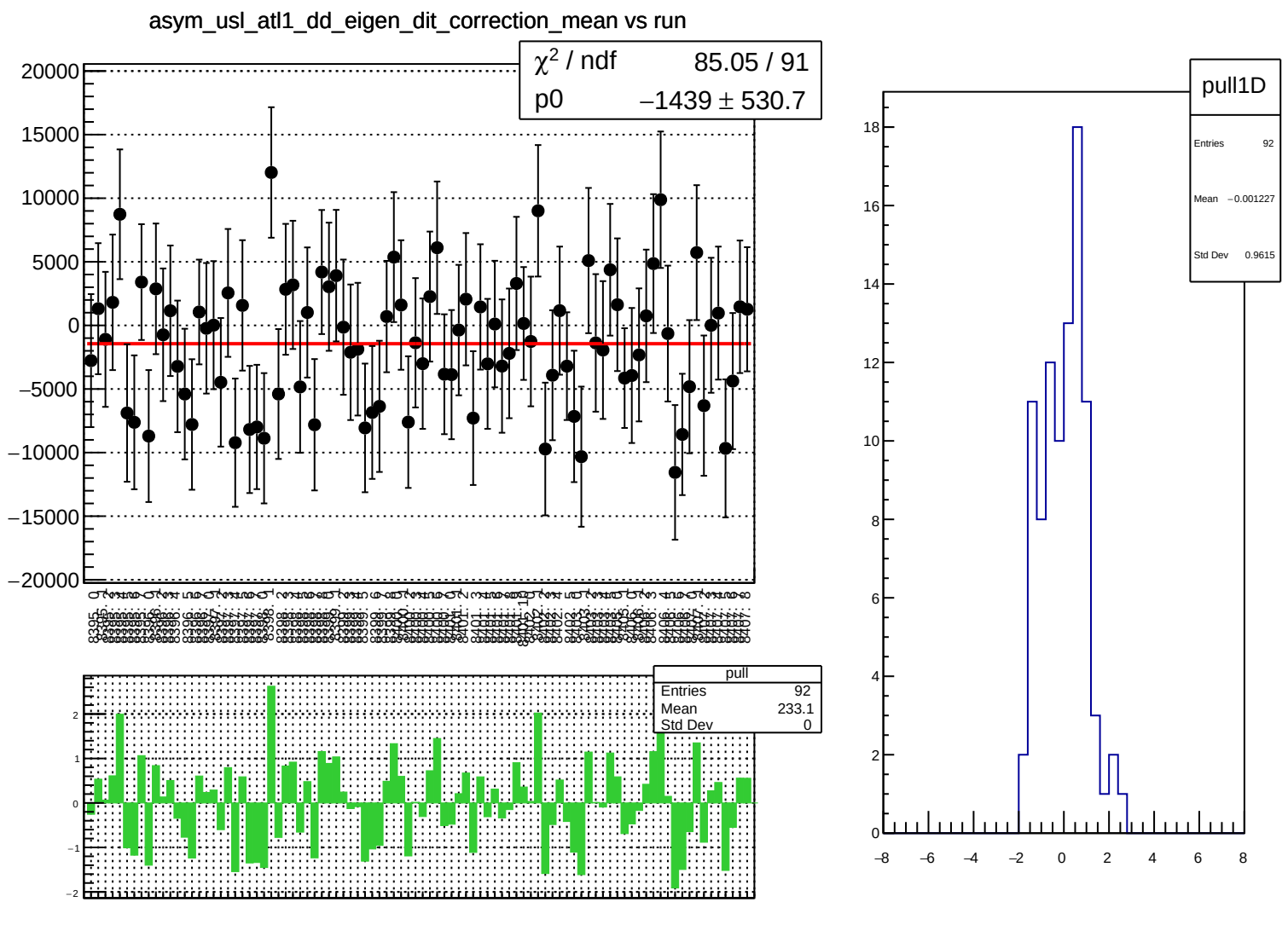

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 87.77 / 91
p0 1112 ± 0.8473
1140
1130
1120
1110
1100
1090
1080

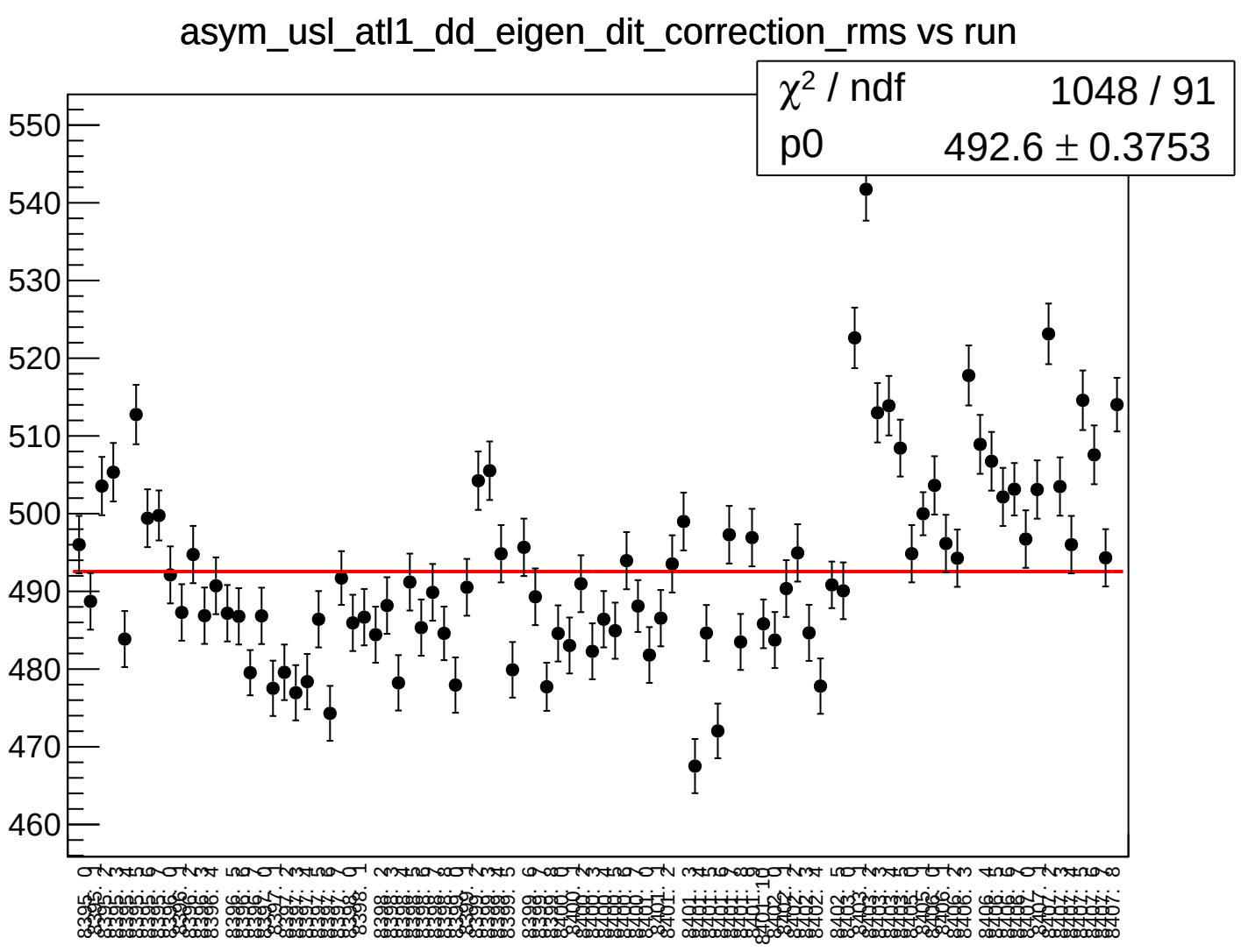

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 85.05 / 91
p0 −1439 ± 530.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean 233.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001227
Std Dev 0.9615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

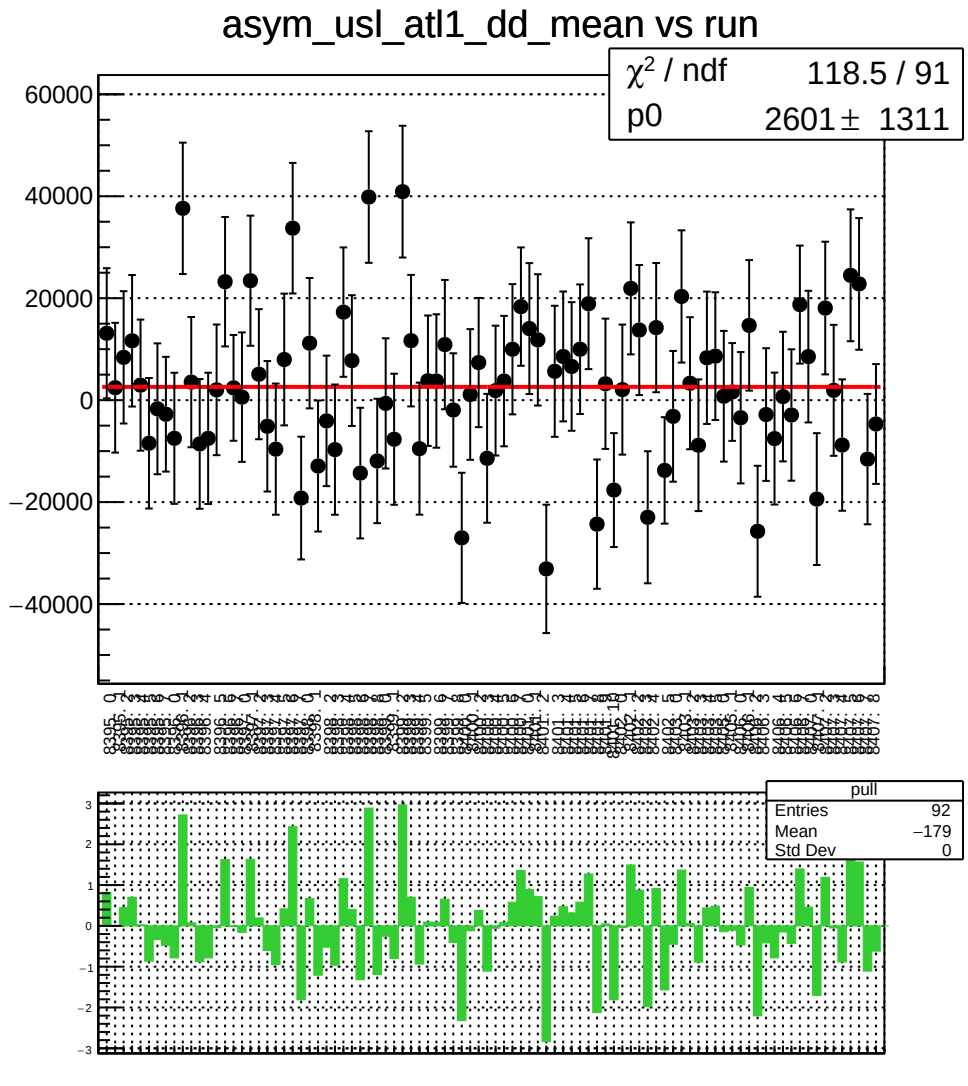

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 1048 / 91
p0 492.6 ± 0.3753
550
540
530
520
510
500
490
480
470
460

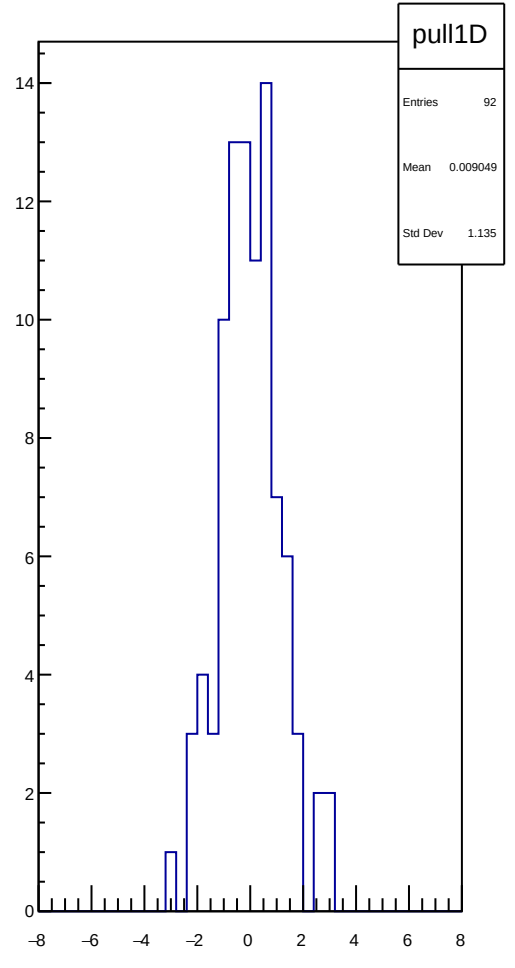

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 134.9 / 91
p0 1157 ± 1198
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −195.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.009543
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

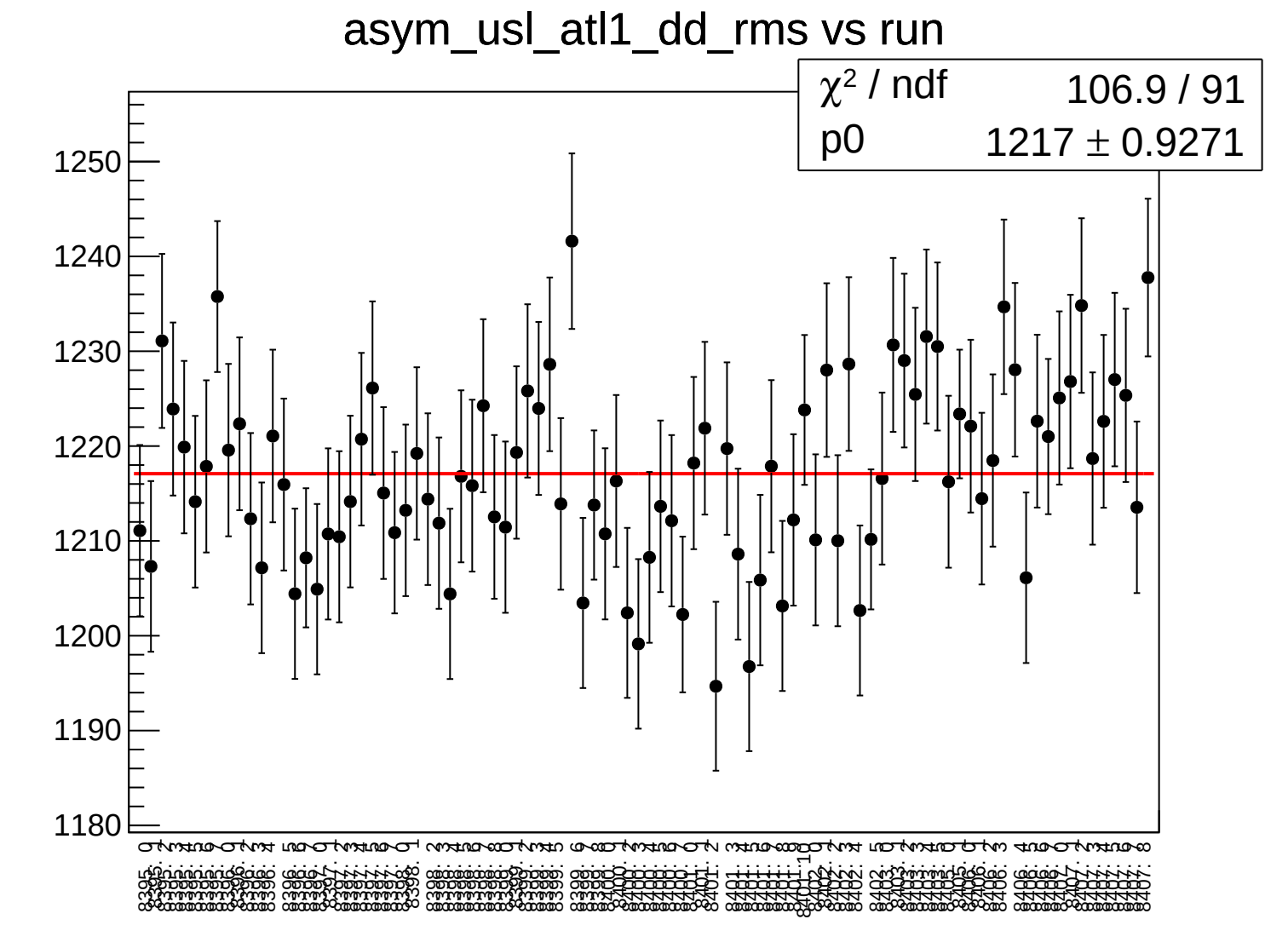

eigen_dit_asym_usl_atl1_dd_rms vs run
$\chi^2$ / ndf 87.77 / 91
p0 1112 ± 0.8473
1140
1130
1120
1110
1100
1090
1080

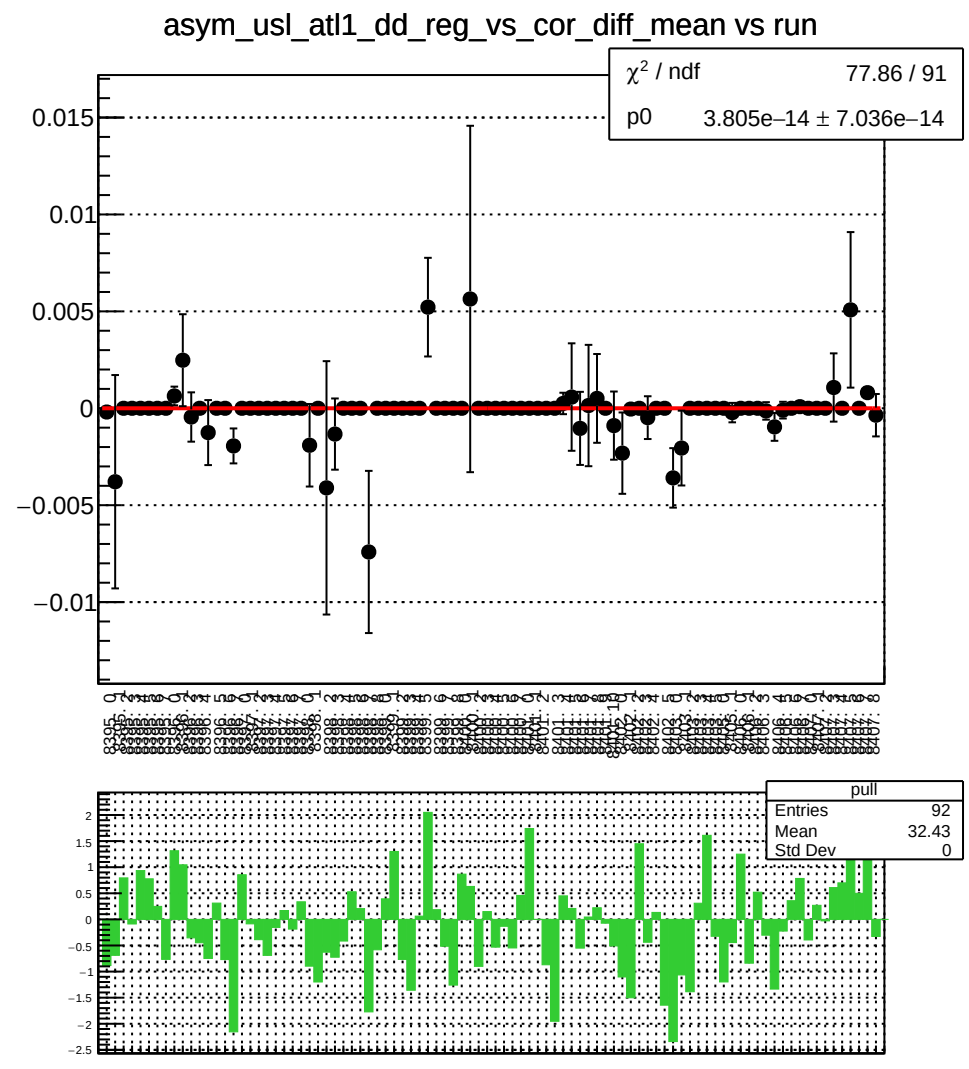

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.05 / 91
p0 −1439 ± 530.7
pull
Entries 92
Mean 233.1
Std Dev 0
pull1D
Entries 92
Mean −0.001227
Std Dev 0.9615

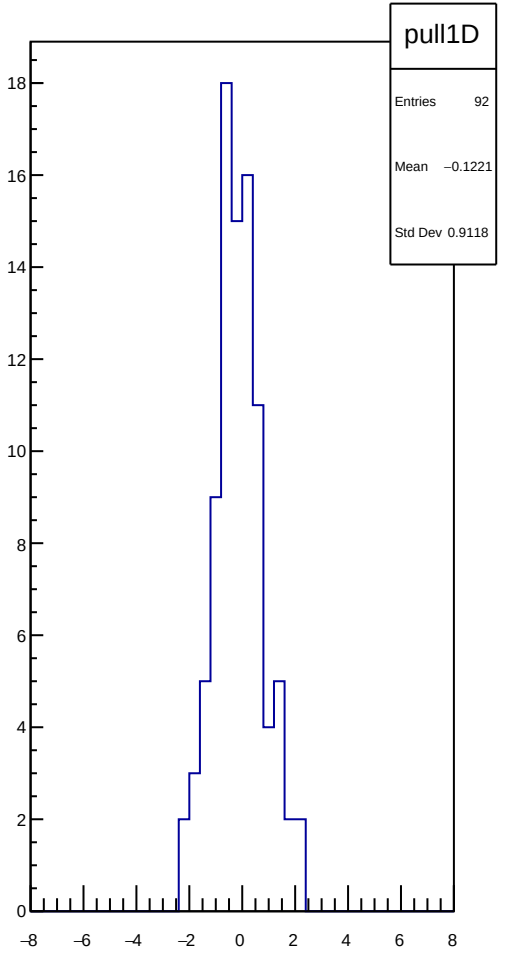

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1048 / 91
p0 492.6 ± 0.3753
550
540
530
520
510
500
490
480
470
460

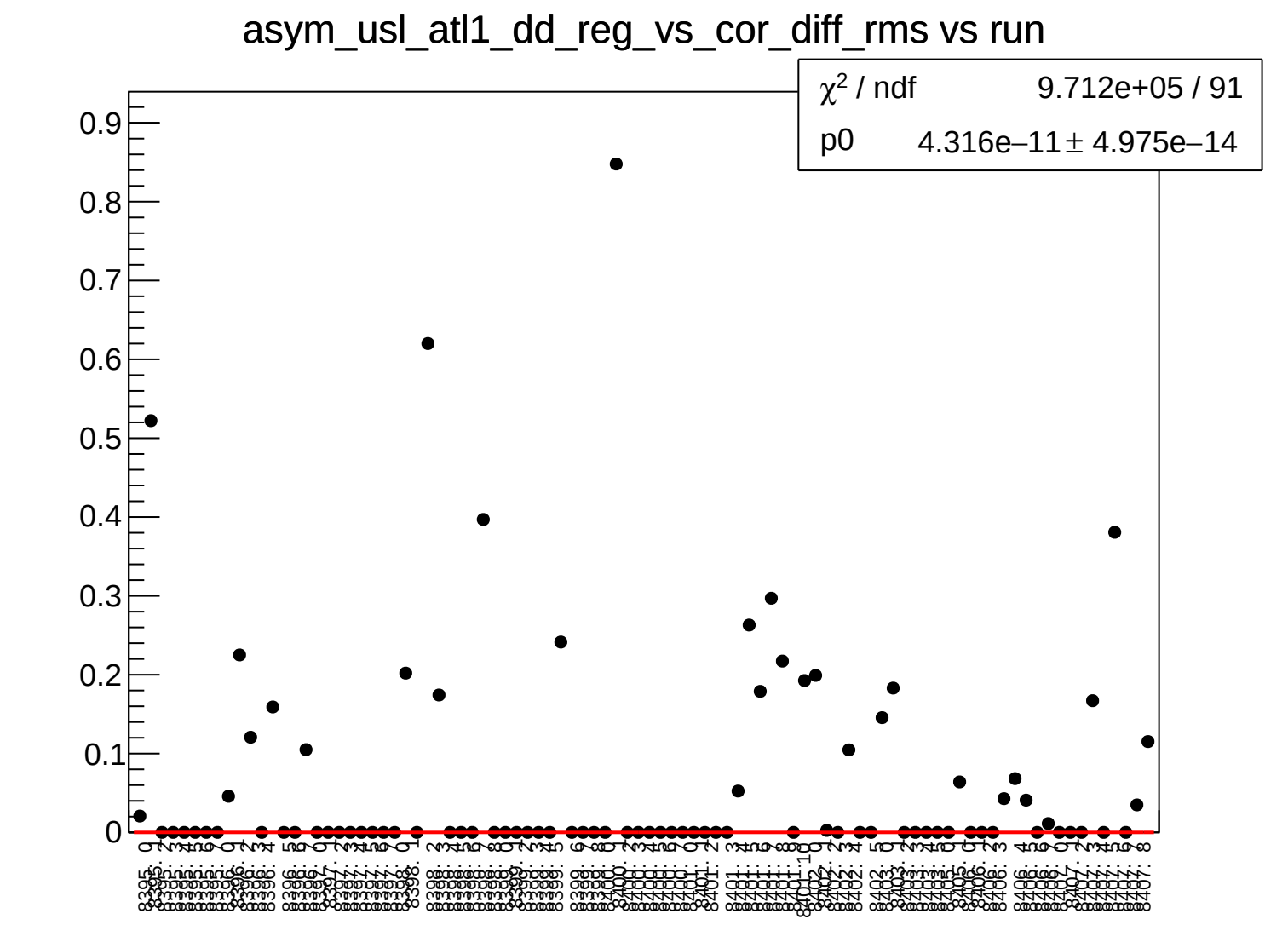

asym_usl_atl1_dd_mean vs run
χ² / ndf 118.5 / 91
p0 2601 ± 1311
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −179
Std Dev 0
3
2
1
0
−1
−2
−3

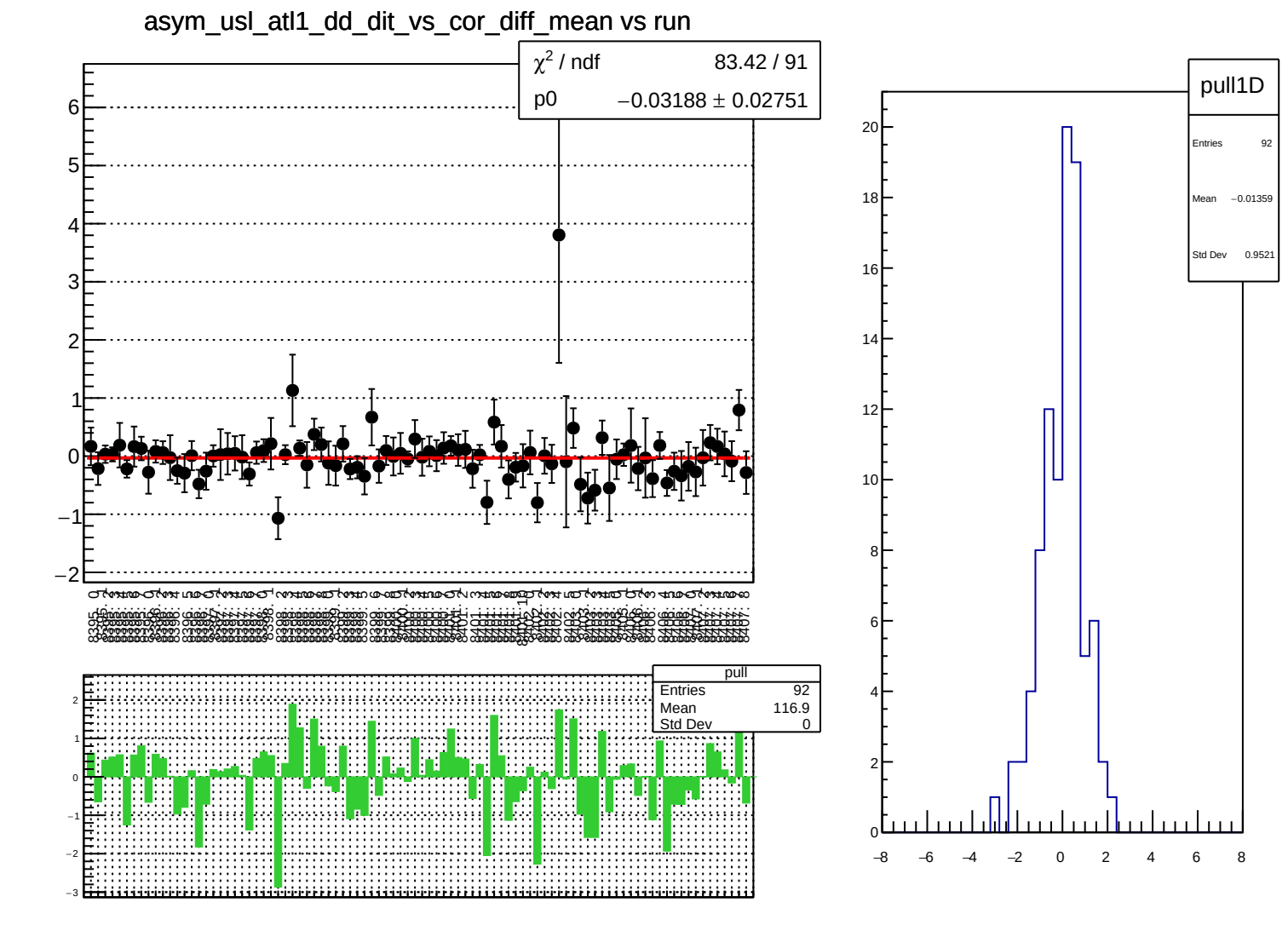

pull1D
Entries 92
Mean 0.009049
Std Dev 1.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

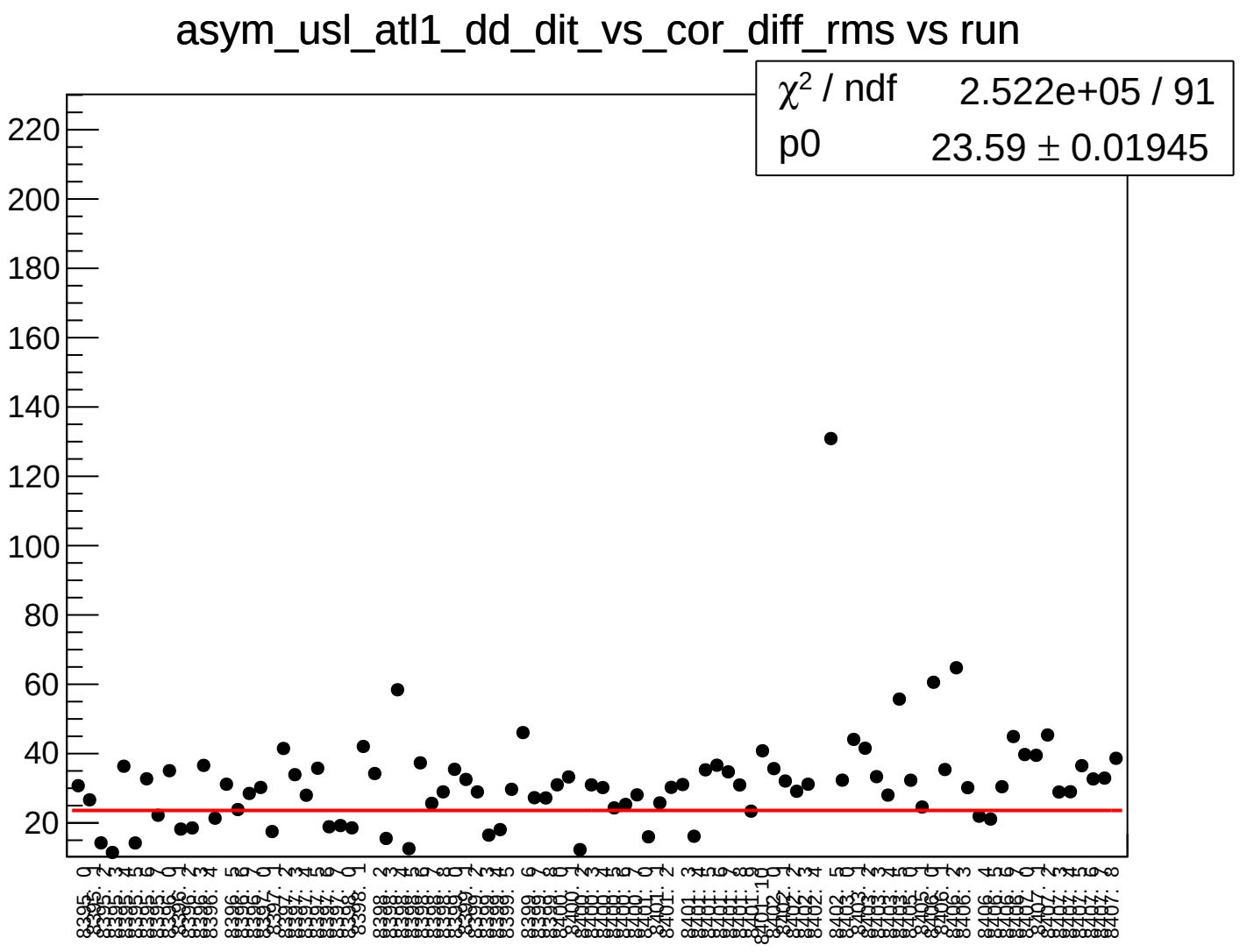

asym_usl_atl1_dd_rms vs run
χ² / ndf 106.9 / 91
p0 1217 ± 0.9271
1250
1240
1230
1220
1210
1200
1190
1180

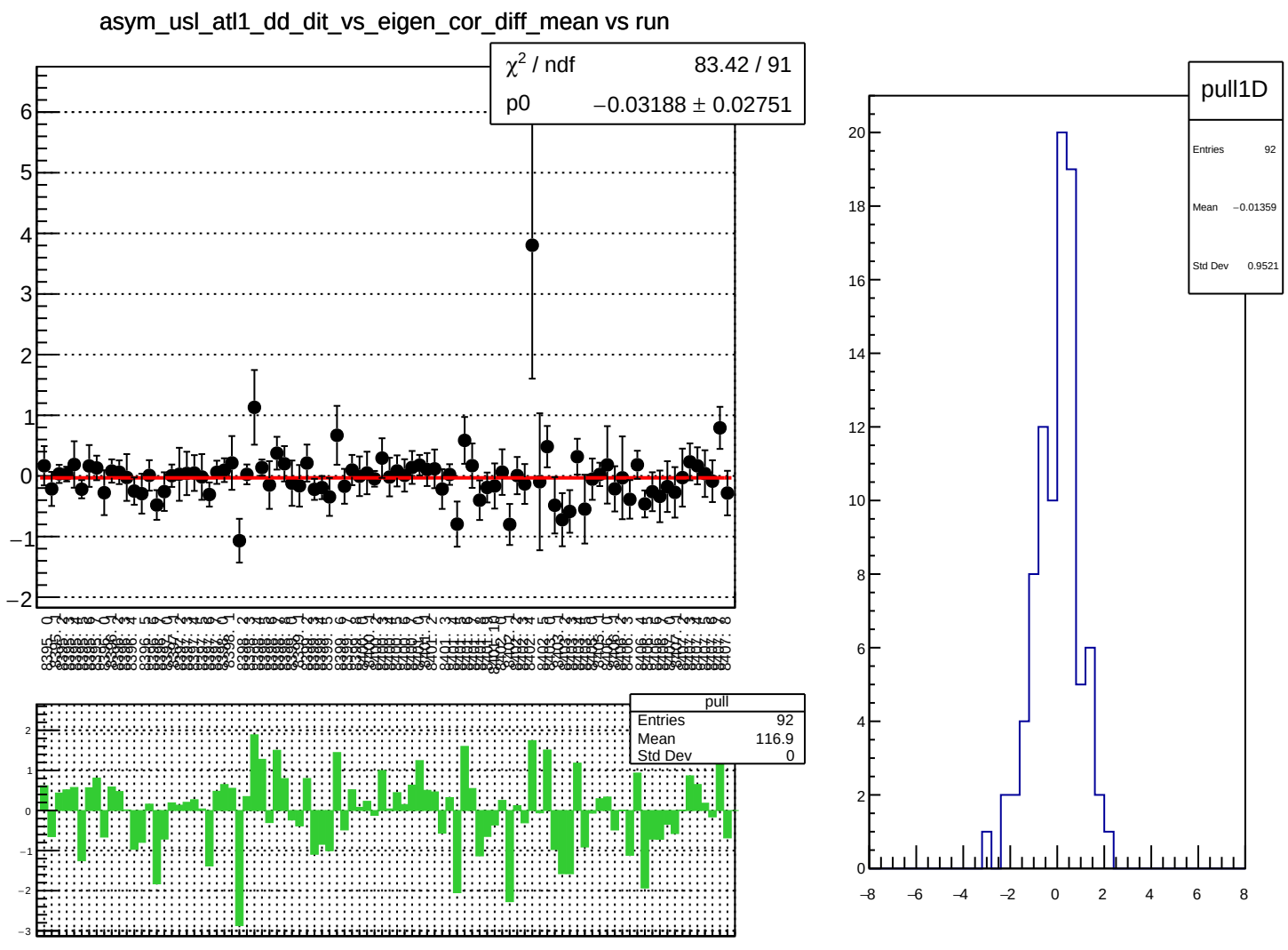

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.86 / 91
p0 3.805e−14 ± 7.036e−14
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 92
Mean 32.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

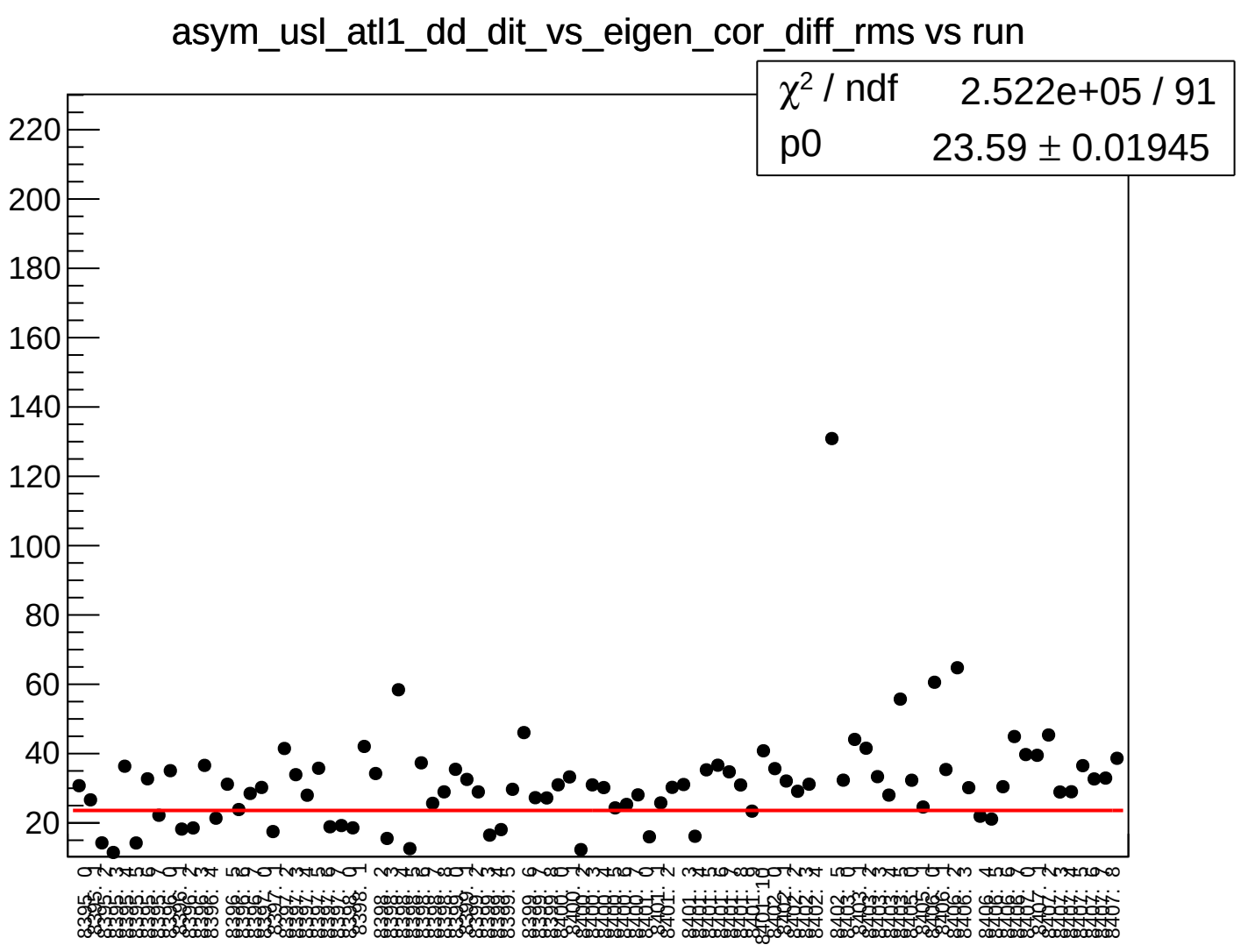

pull1D
Entries 92
Mean −0.1221
Std Dev 0.9118
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

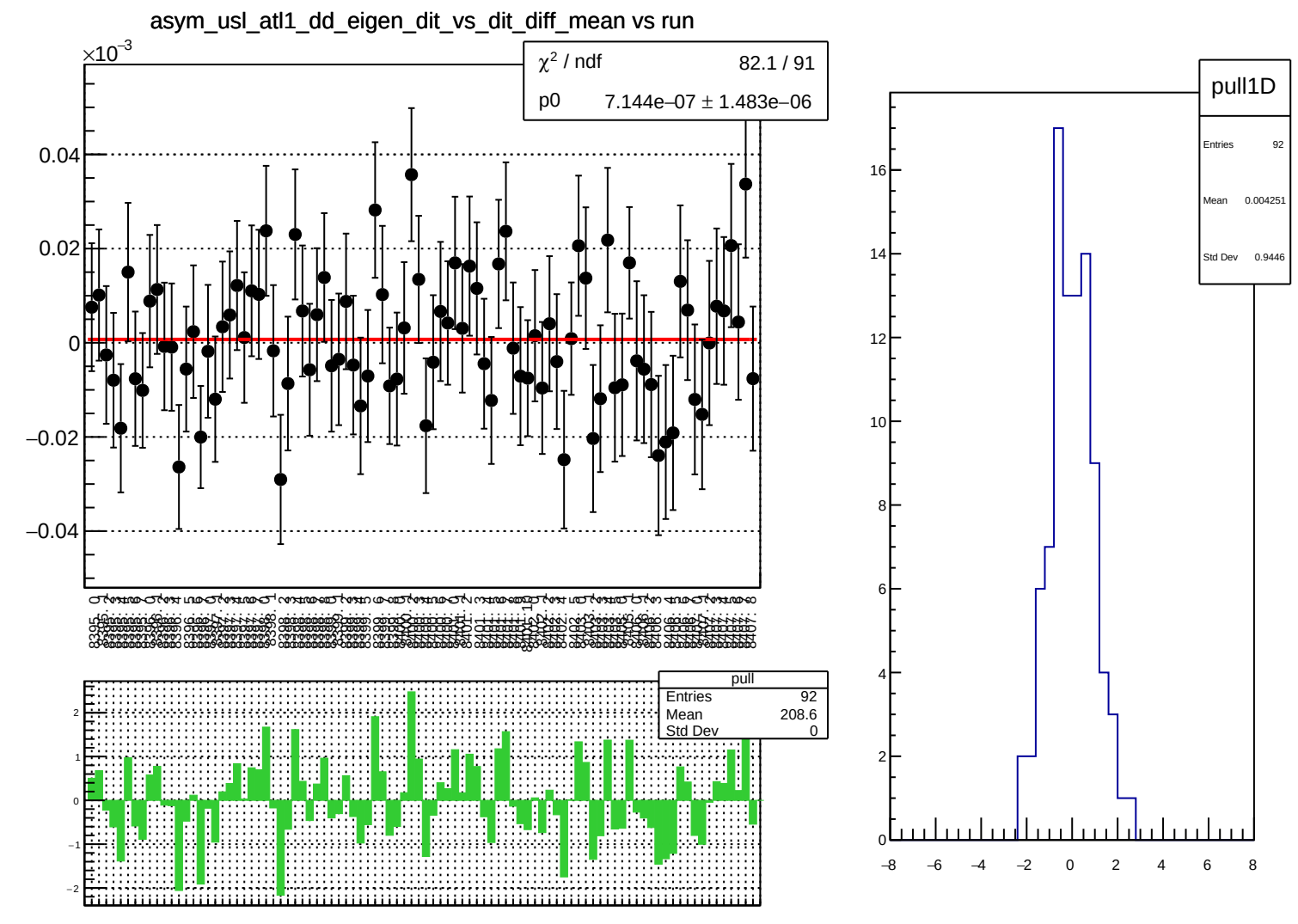

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
$\chi^2$ / ndf 9.712e+05 / 91
p0 4.316e−11 ± 4.975e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

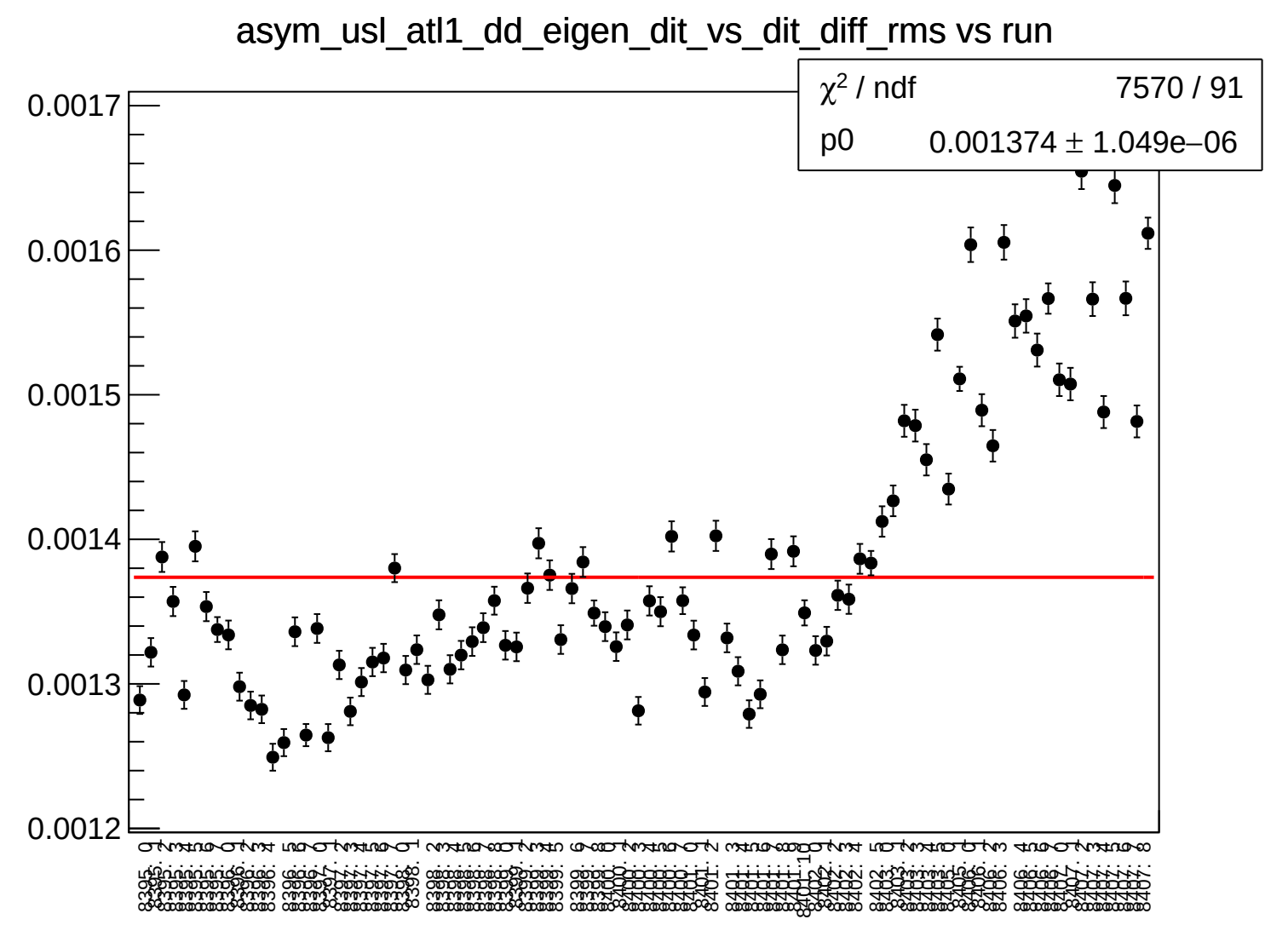

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.42 / 91
p0 −0.03188 ± 0.02751
pull
Entries 92
Mean 116.9
Std Dev 0
pull1D
Entries 92
Mean −0.01359
Std Dev 0.9521

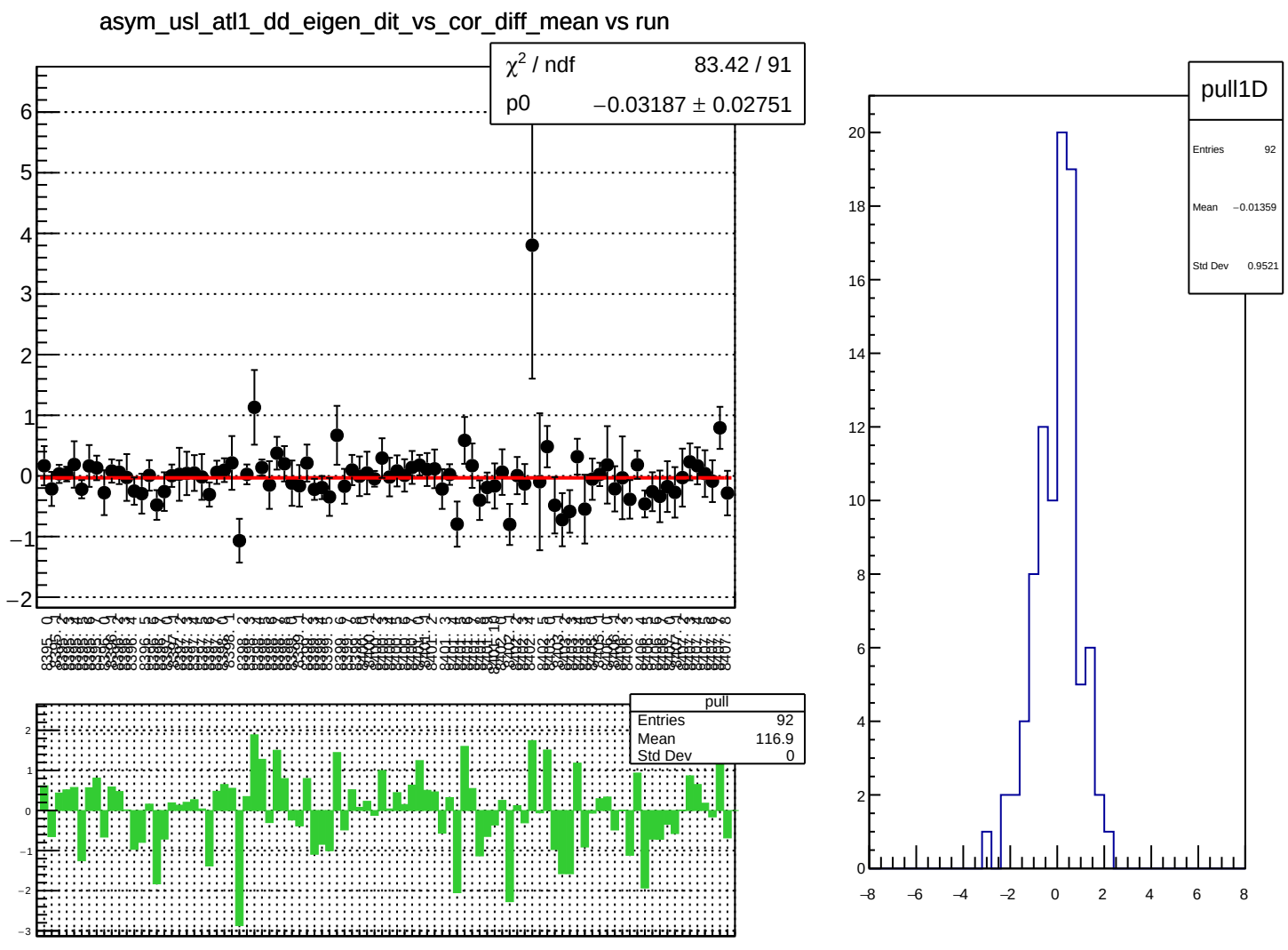

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.522e+05 / 91
p0 23.59 ± 0.01945
220
200
180
160
140
120
100
80
60
40
20

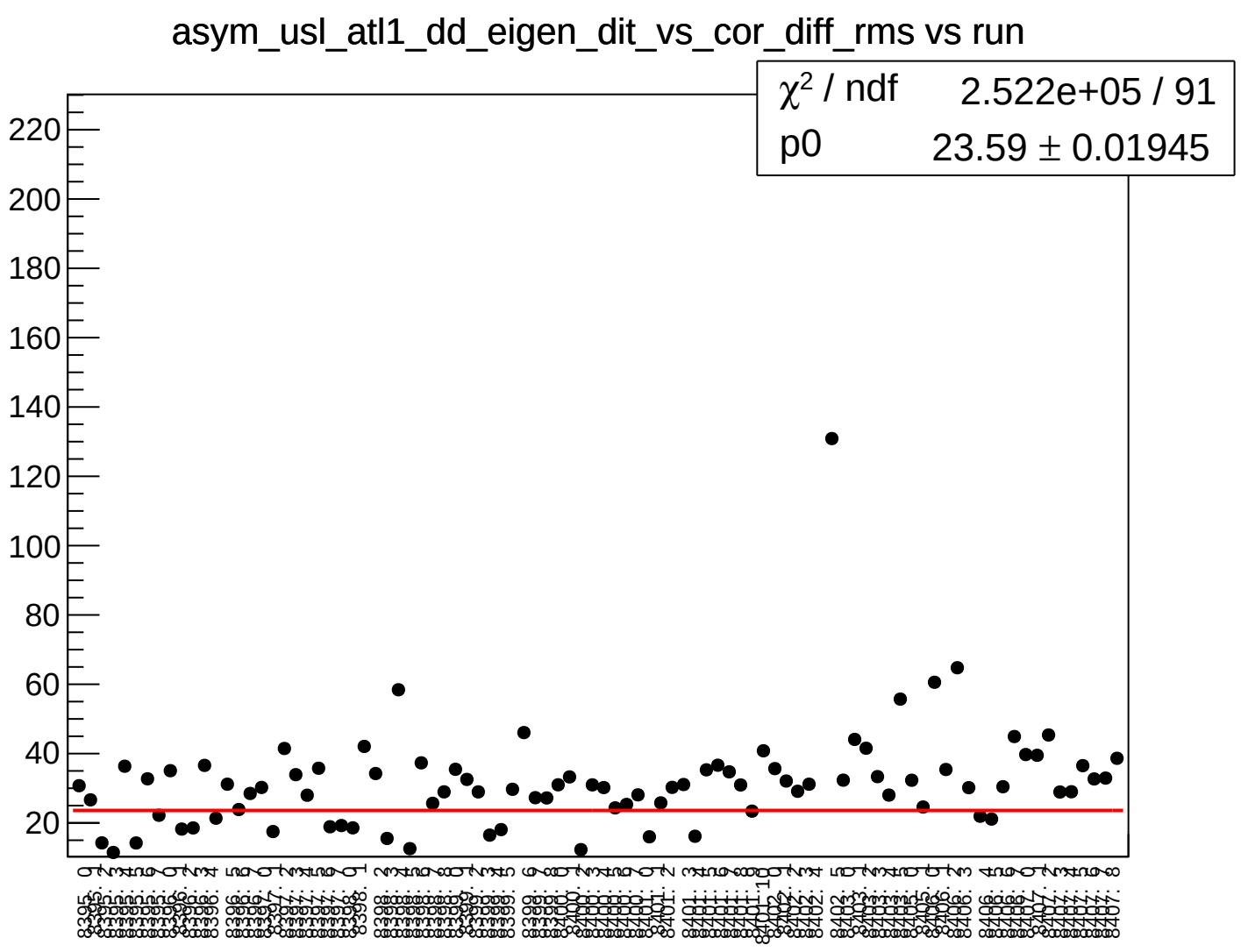

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.42 / 91
p0 −0.03188 ± 0.02751
pull
Entries 92
Mean 116.9
Std Dev 0
pull1D
Entries 92
Mean −0.01359
Std Dev 0.9521

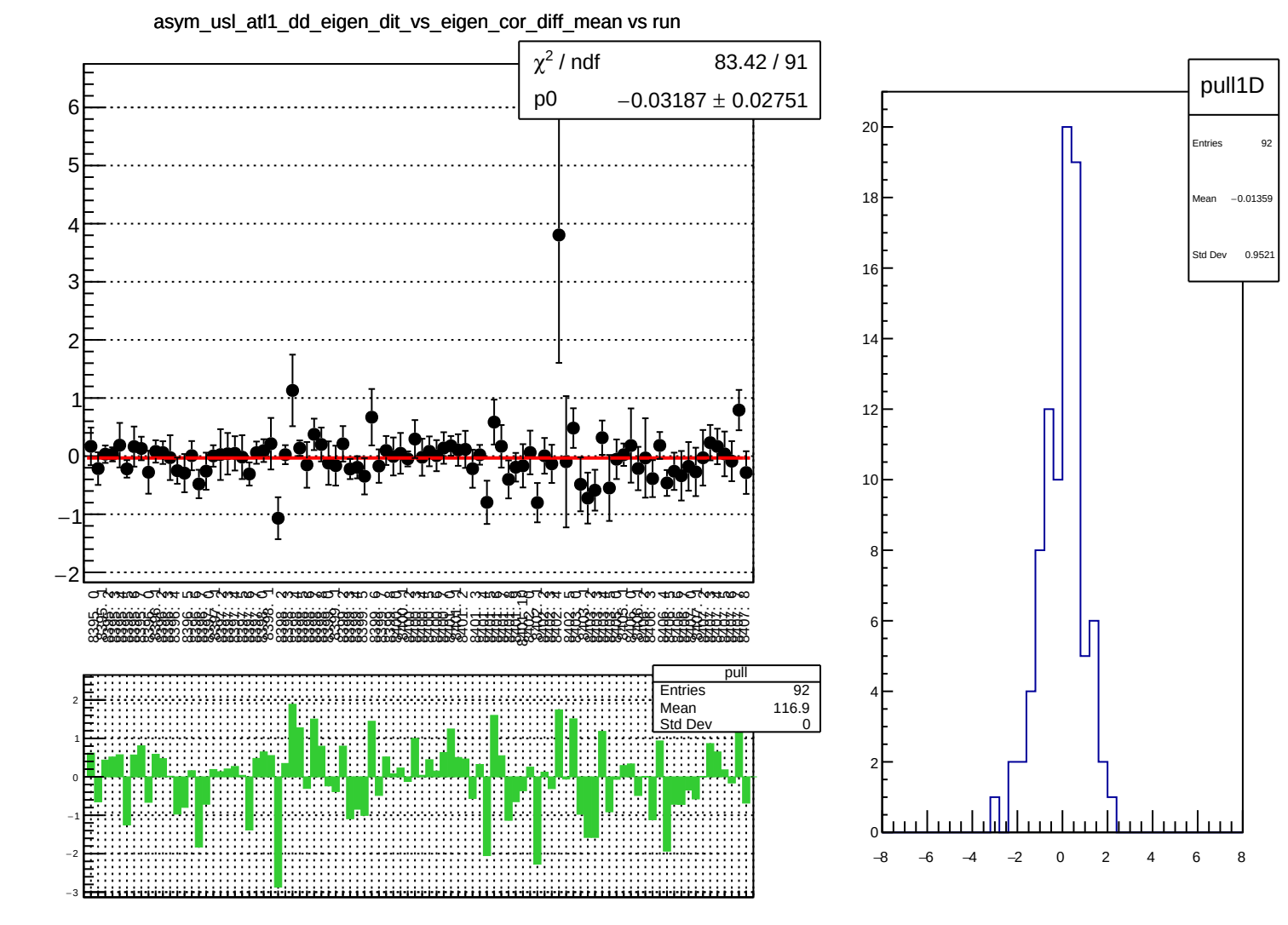

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.522e+05 / 91
p0 23.59 ± 0.01945
220
200
180
160
140
120
100
80
60
40
20

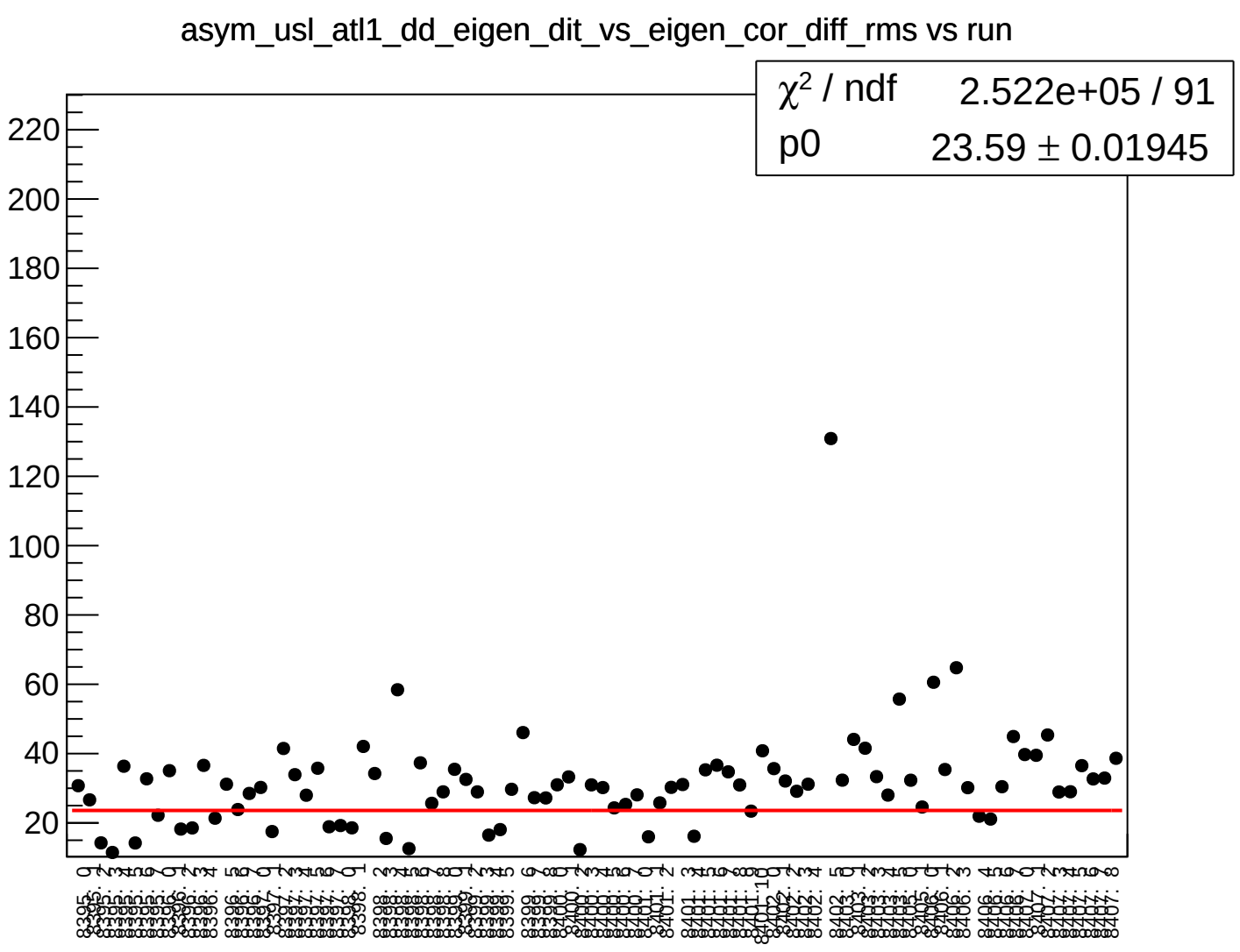

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 82.1 / 91
p0 7.144e−07 ± 1.483e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 92
Mean 208.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.004251
Std Dev 0.9446
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

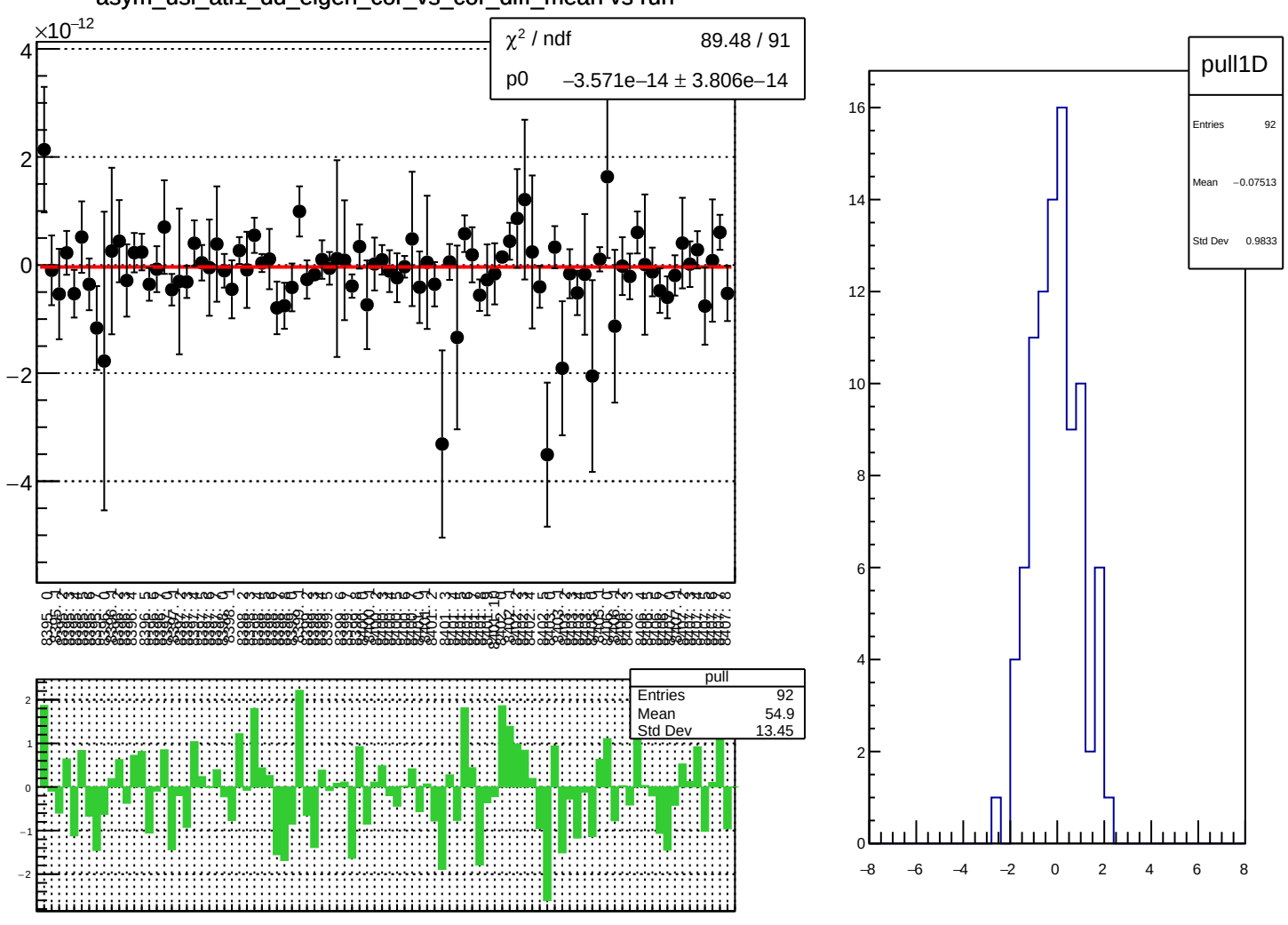

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7570 / 91
p0 0.001374 ± 1.049e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012

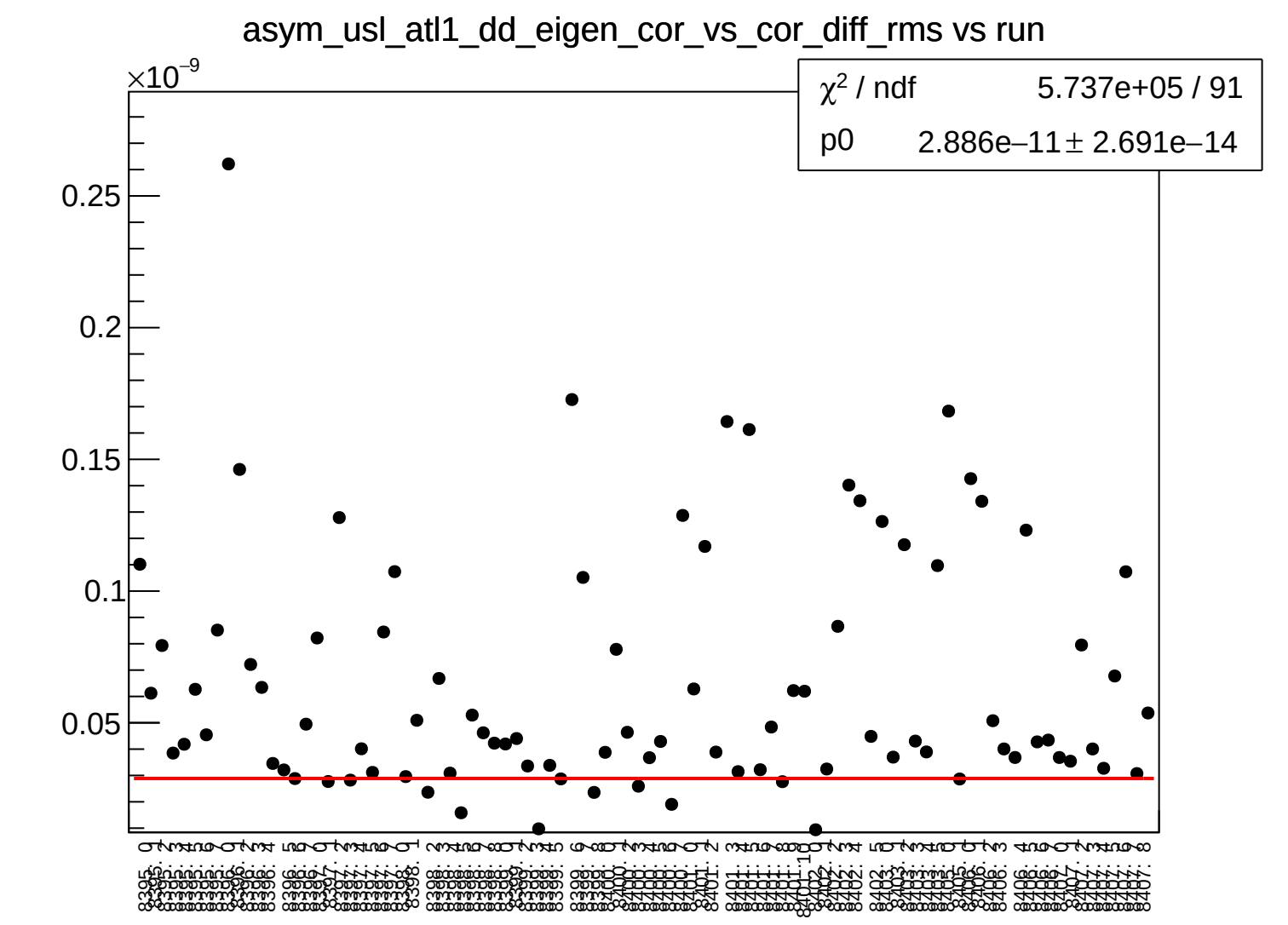

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.42 / 91
p0 −0.03187 ± 0.02751
pull
Entries 92
Mean 116.9
Std Dev 0
pull1D
Entries 92
Mean −0.01359
Std Dev 0.9521

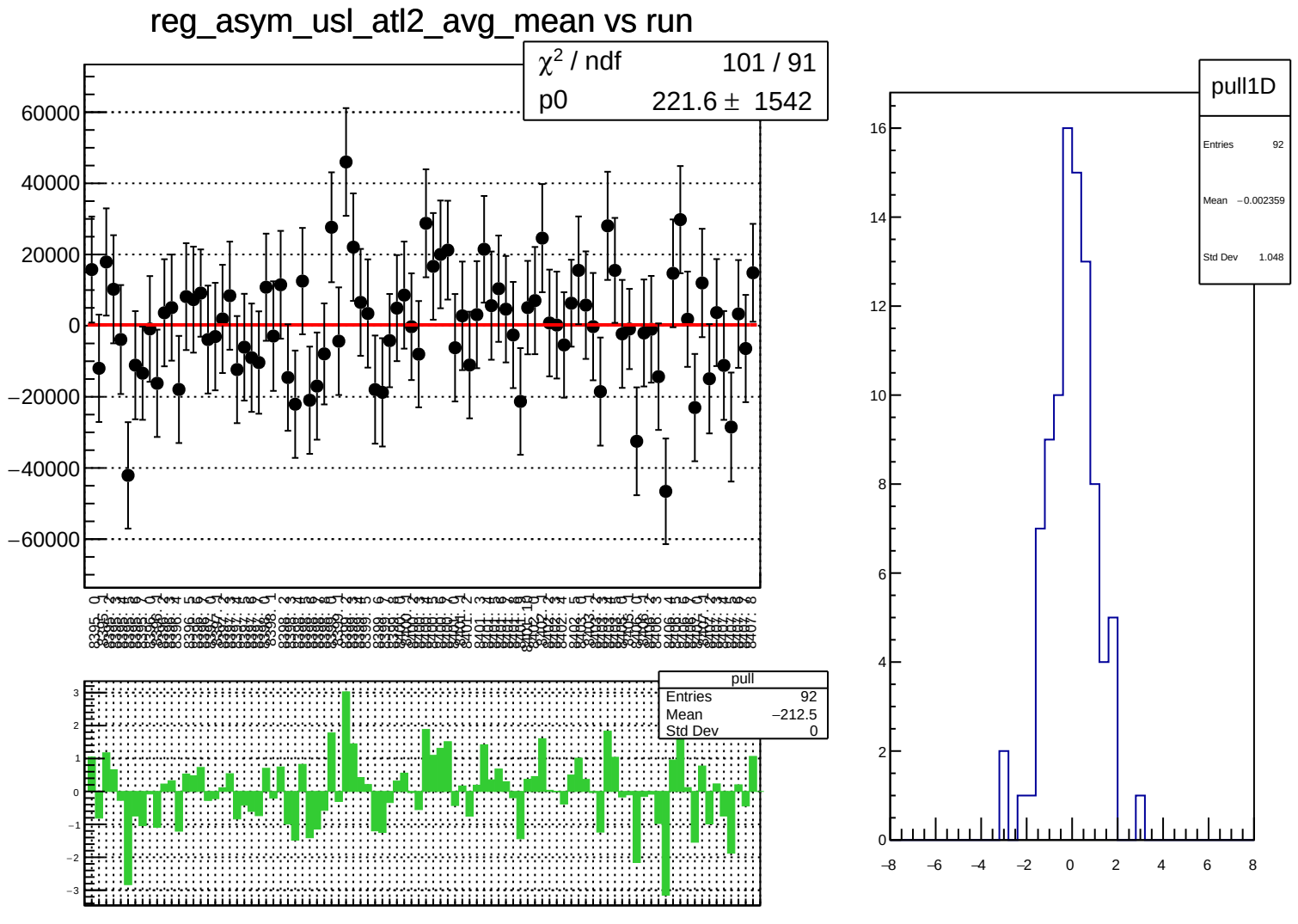

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.522e+05 / 91
p0 23.59 ± 0.01945
220
200
180
160
140
120
100
80
60
40
20

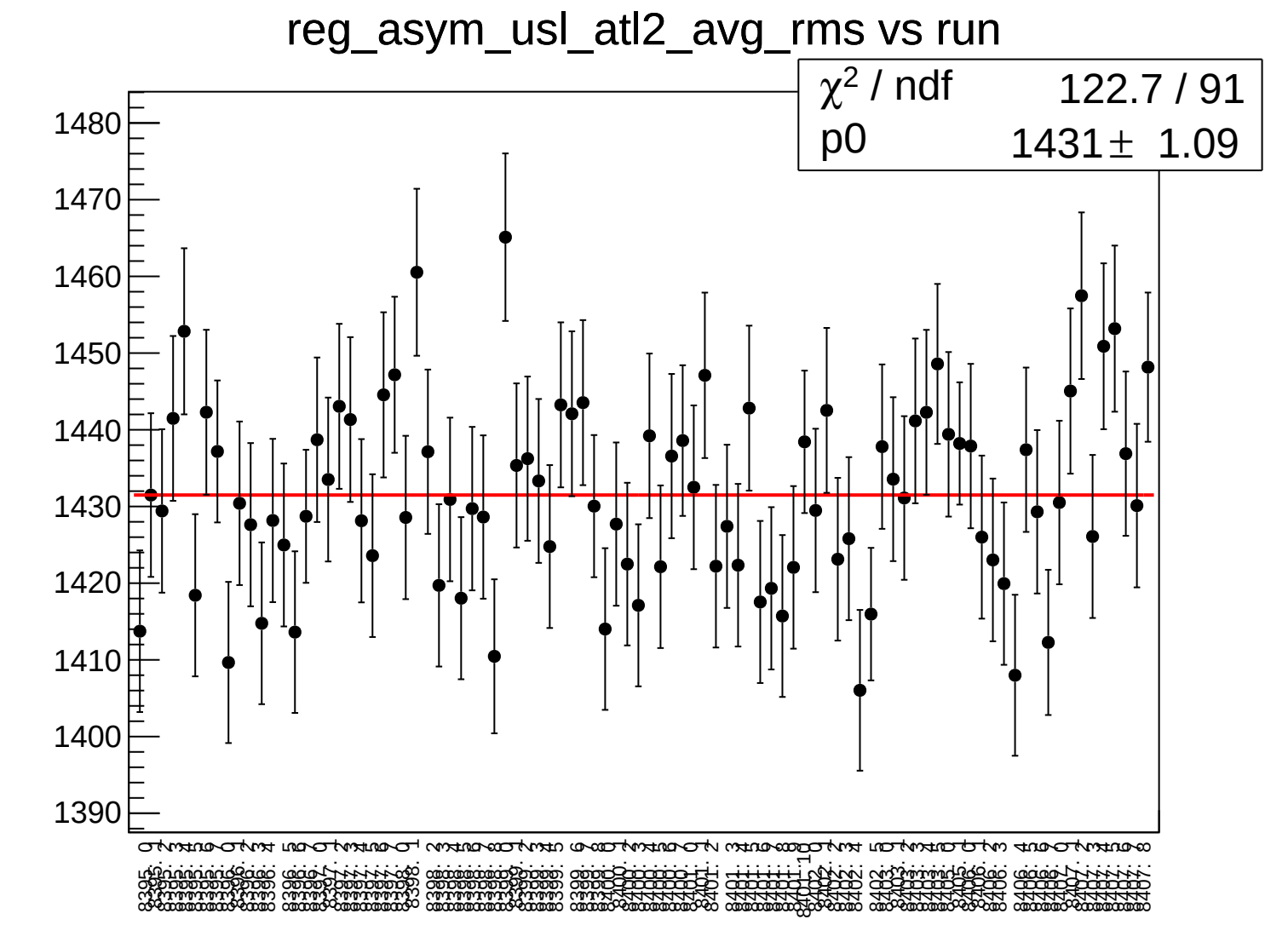

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.42 / 91
p0 −0.03187 ± 0.02751
pull
Entries 92
Mean 116.9
Std Dev 0
pull1D
Entries 92
Mean −0.01359
Std Dev 0.9521

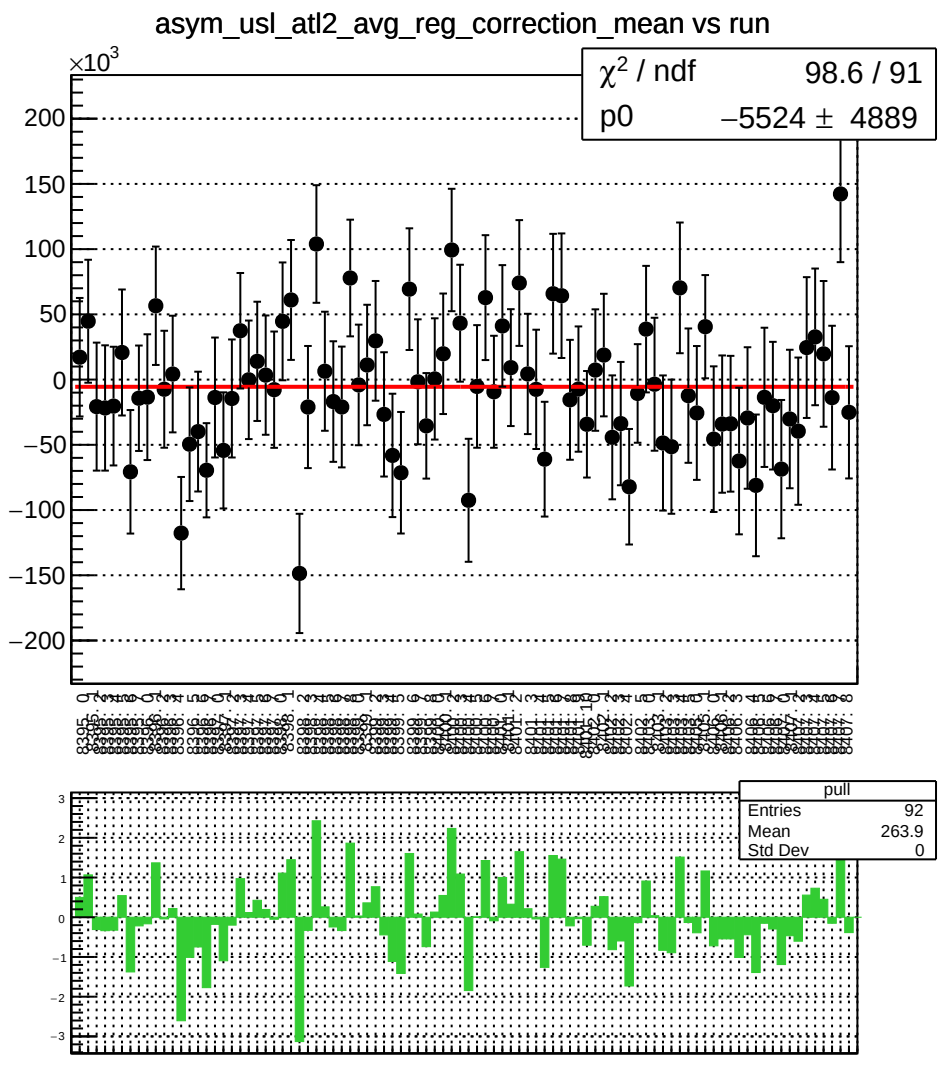

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.522e+05 / 91
p0 23.59 ± 0.01945
220
200
180
160
140
120
100
80
60
40
20

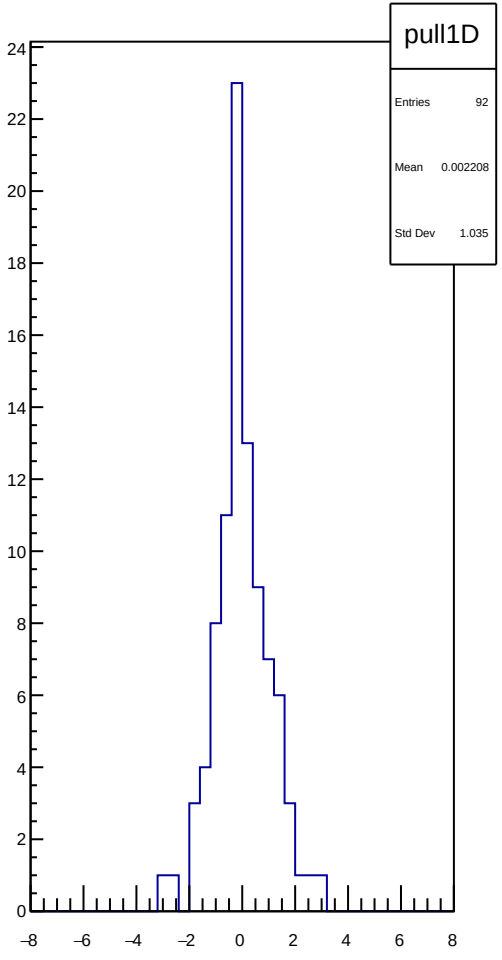

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.48 / 91
p0 −3.571e−14 ± 3.806e−14
pull
Entries 92
Mean 54.9
Std Dev 13.45
pull1D
Entries 92
Mean −0.07513
Std Dev 0.9833

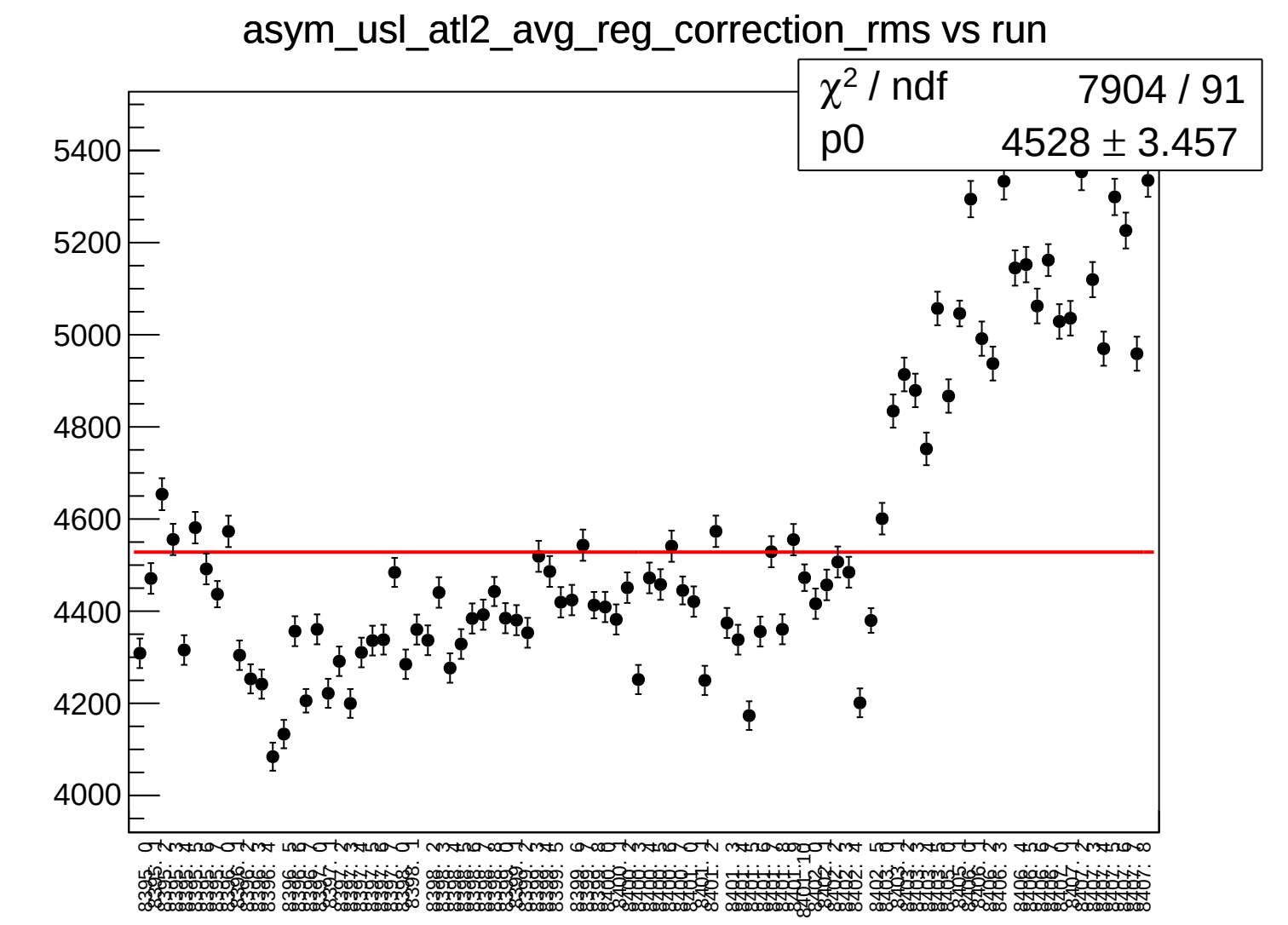

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.737e+05 / 91
p0 2.886e−11 ± 2.691e−14
0.25
0.2
0.15
0.1
0.05

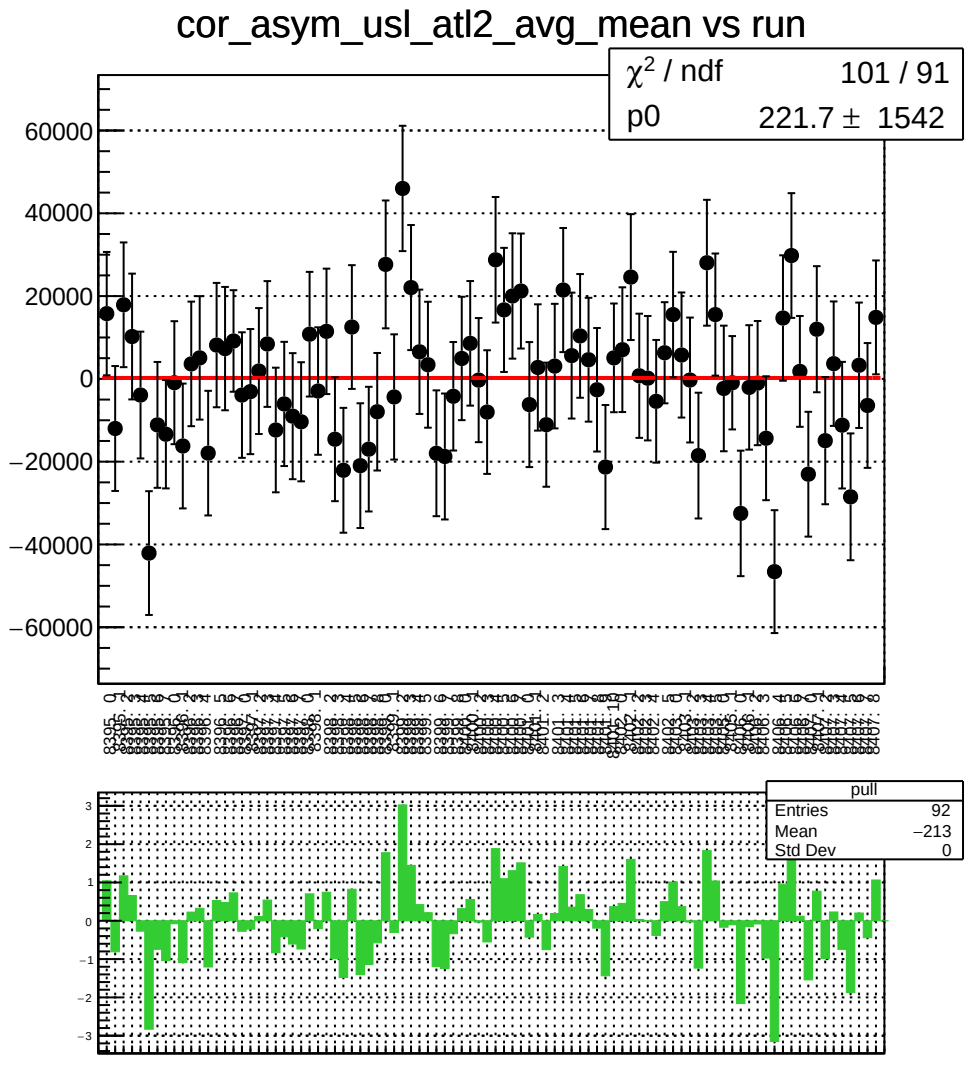

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 101 / 91
p0 221.6 ± 1542
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −212.5
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.002359
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

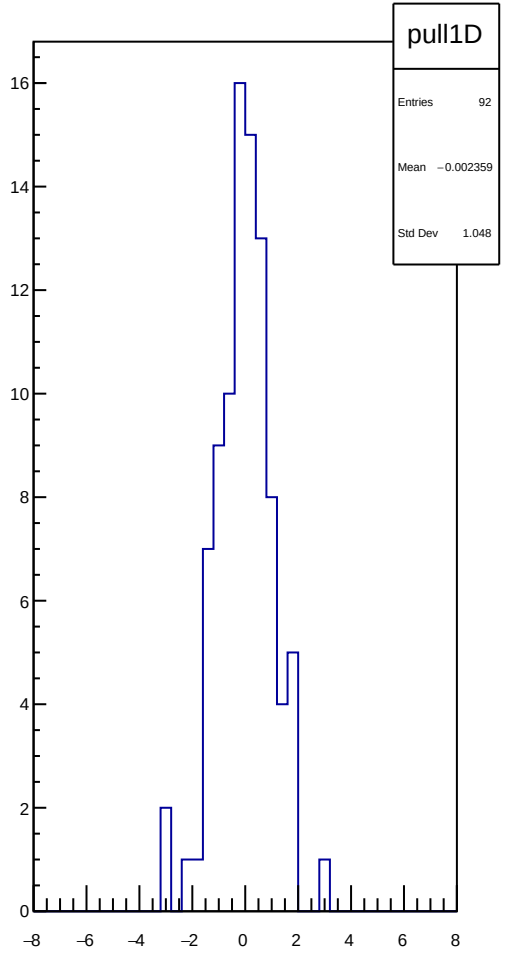

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 122.7 / 91
p0 1431 ± 1.09
1480
1470
1460
1450
1440
1430
1420
1410
1400
1390

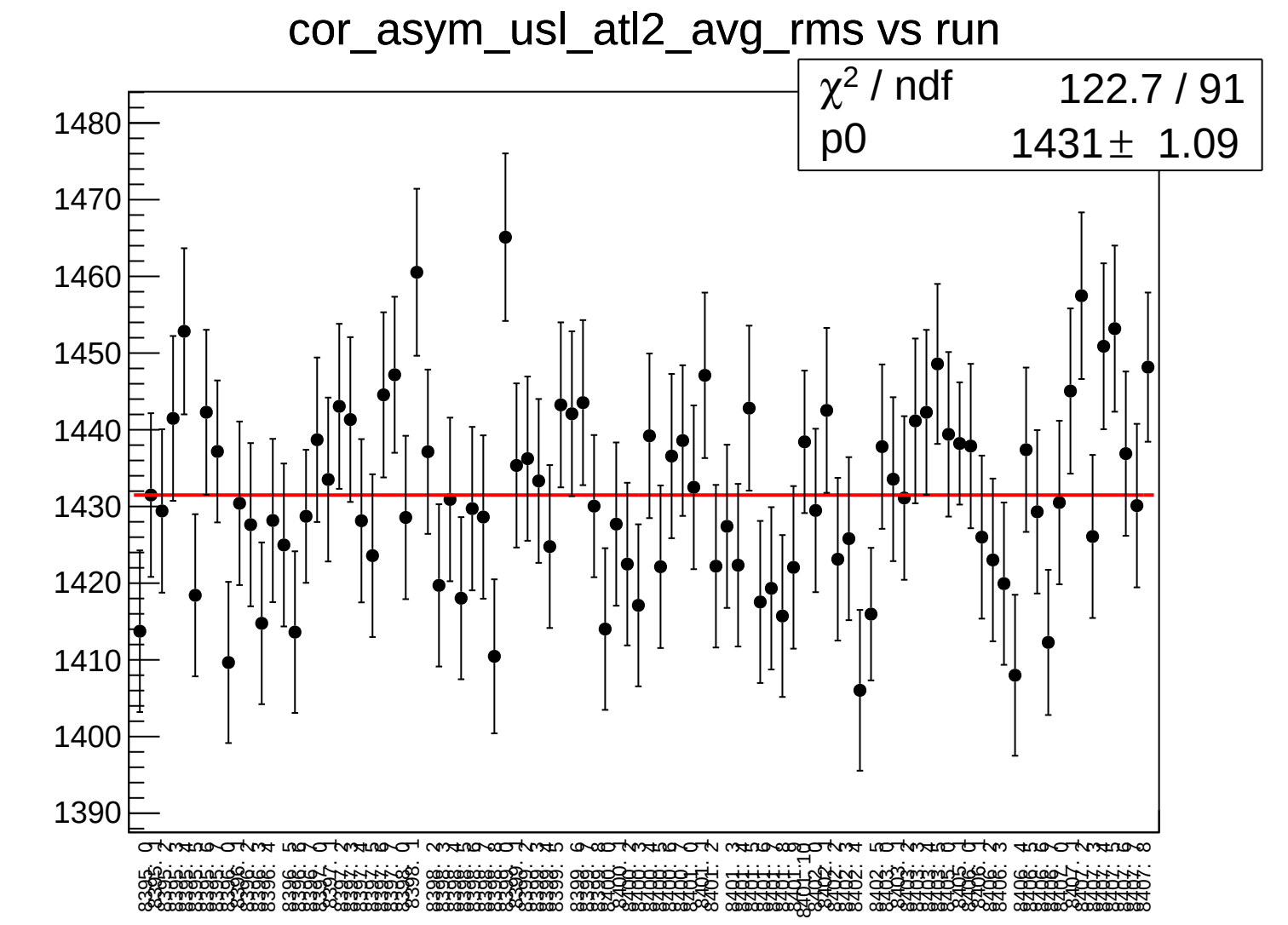

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 98.6 / 91
p0 −5524 ± 4889
pull
Entries 92
Mean 263.9
Std Dev 0

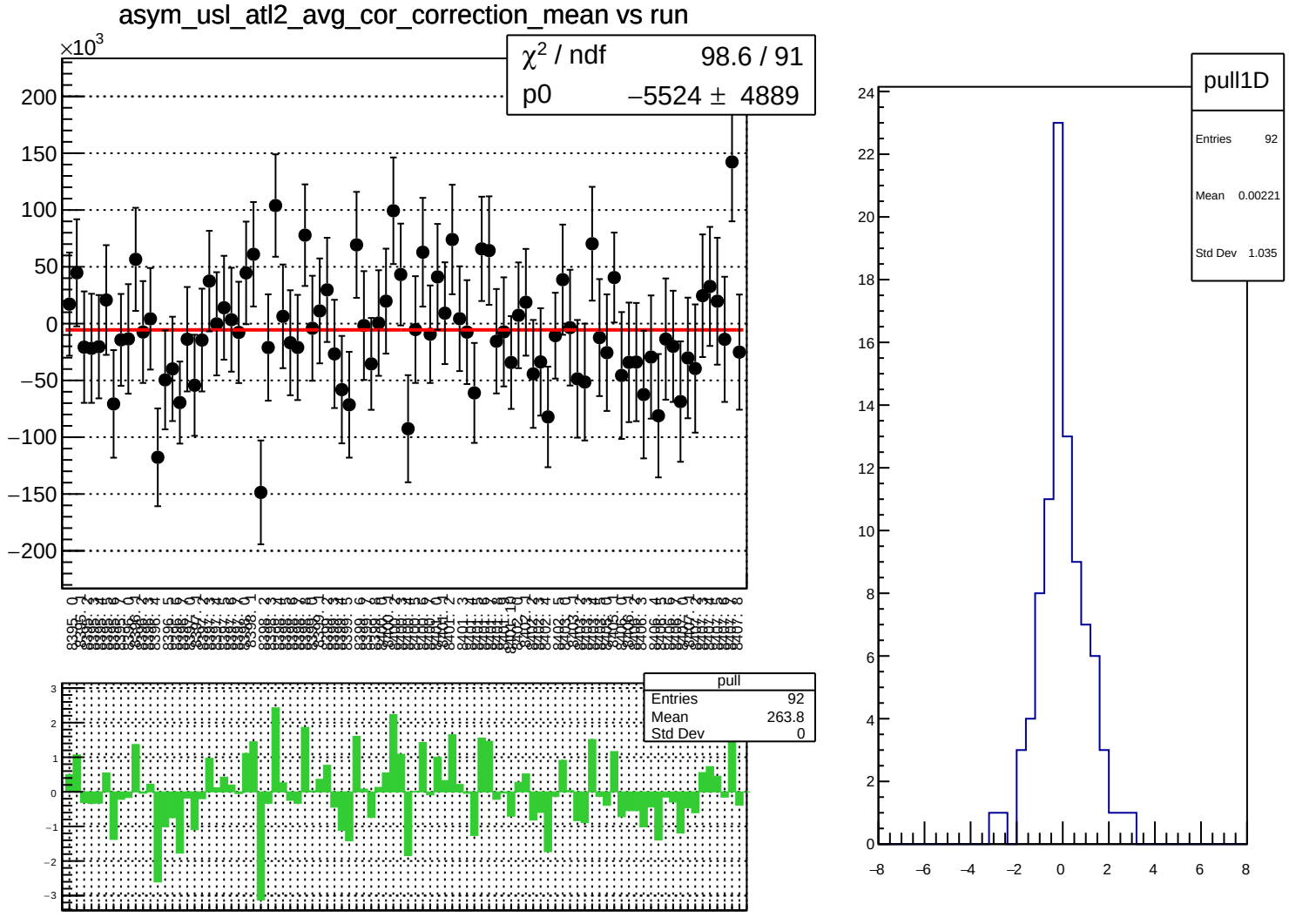

pull1D
Entries 92
Mean 0.002208
Std Dev 1.035

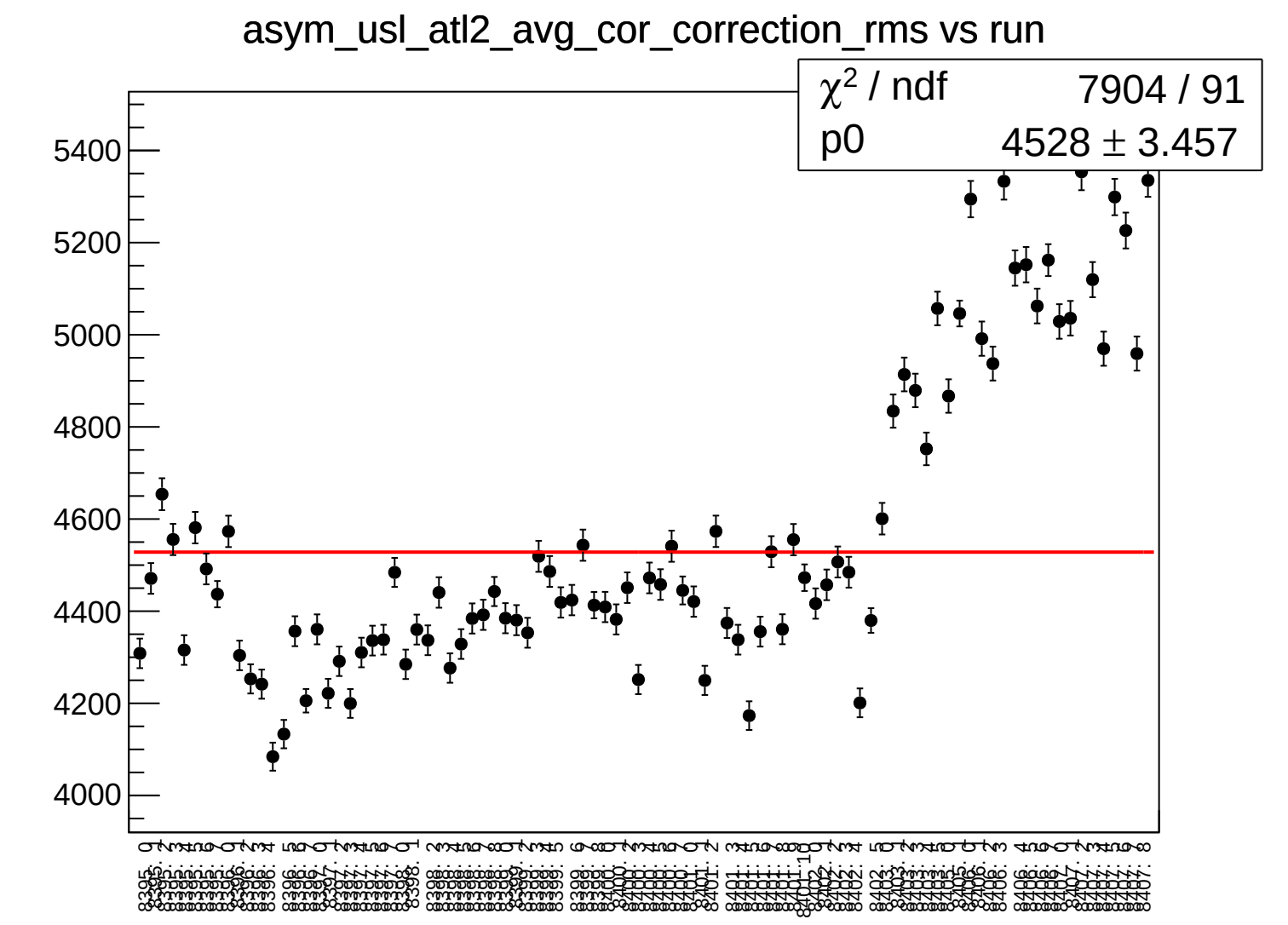

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 7904 / 91
p0 4528 ± 3.457
5400
5200
5000
4800
4600
4400
4200
4000

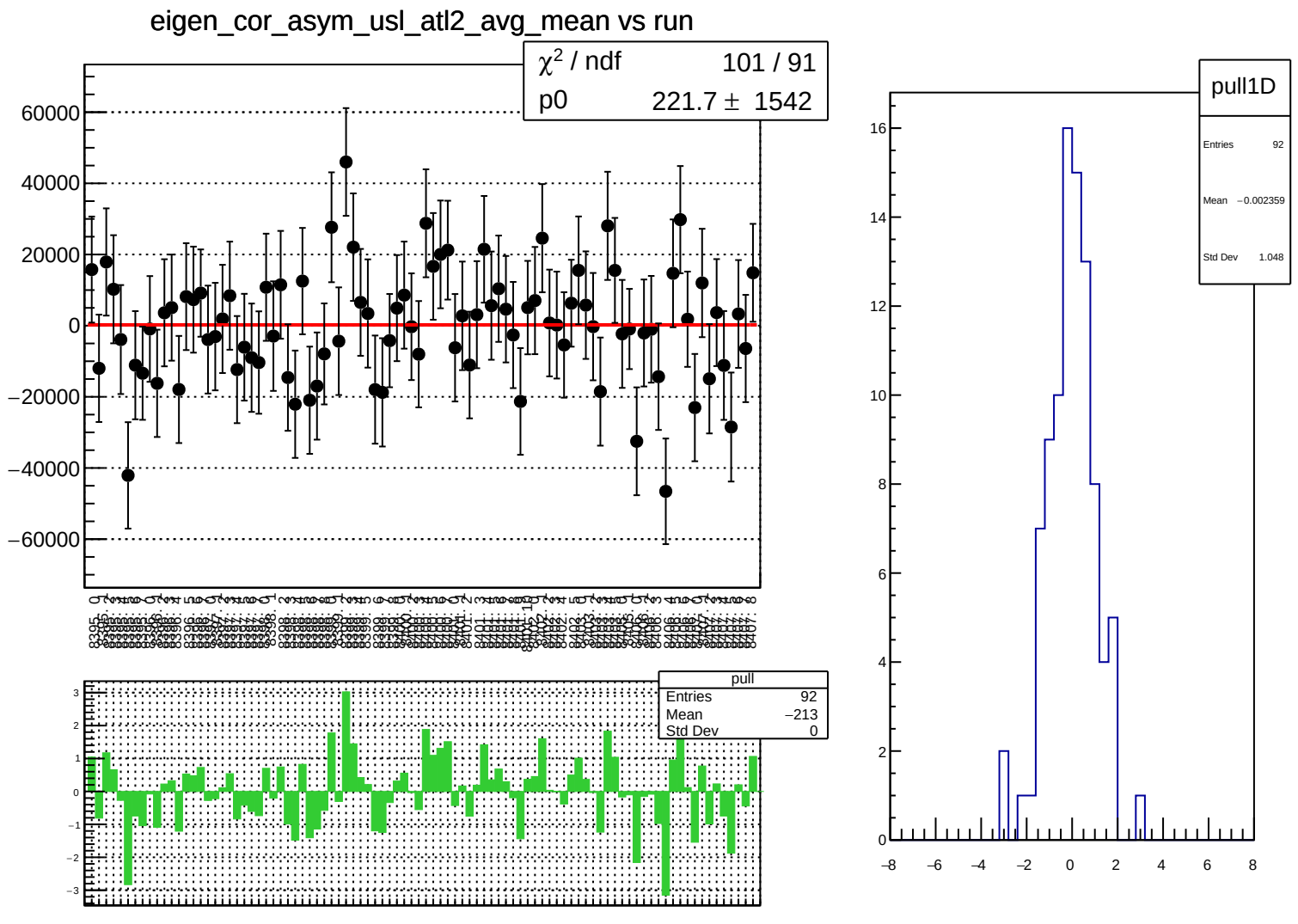

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 101 / 91
p0 221.7 ± 1542
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −213
Std Dev 0
3
2
1
0
−1
−2
−3

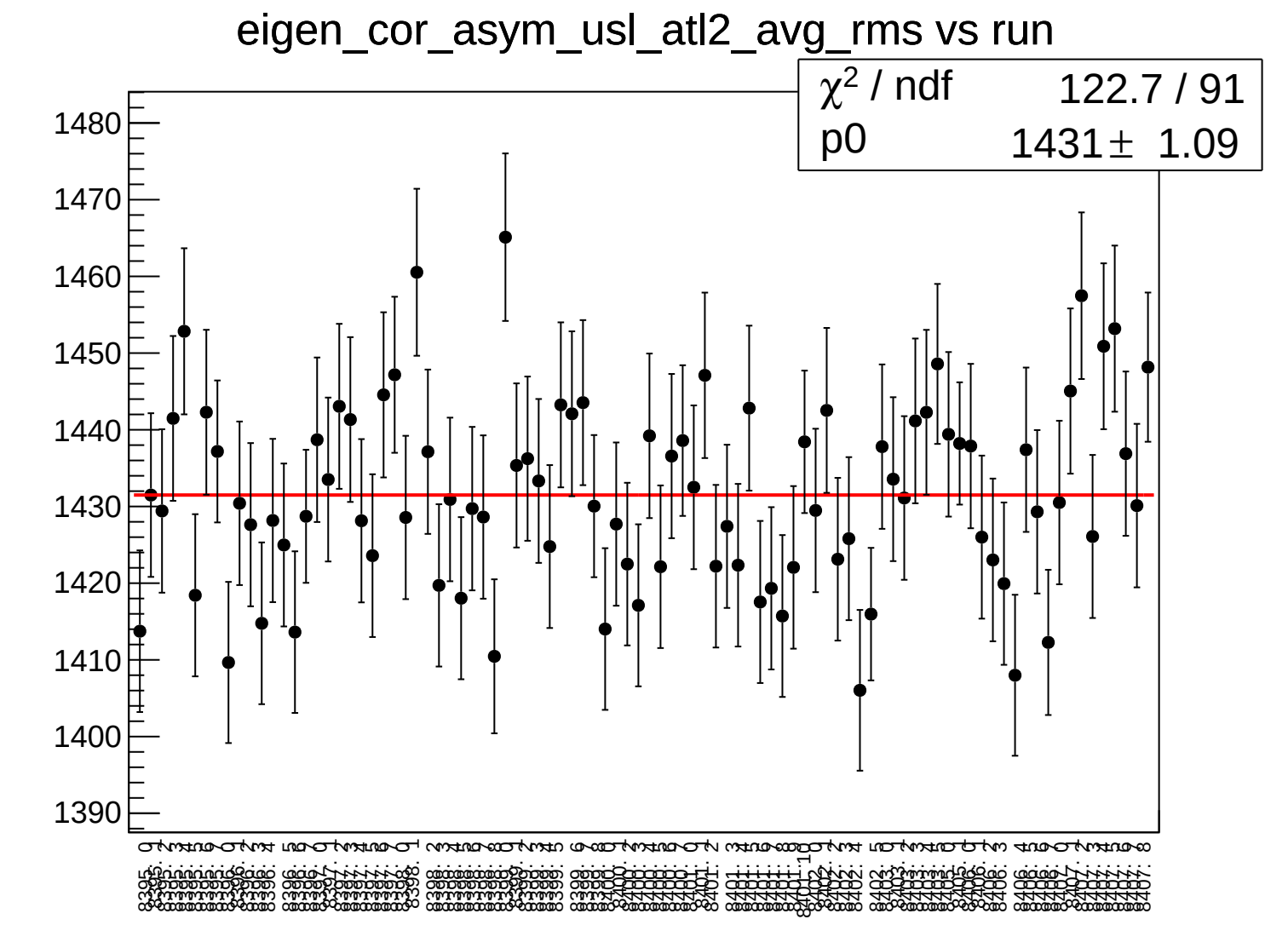

pull1D
Entries 92
Mean −0.002359
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

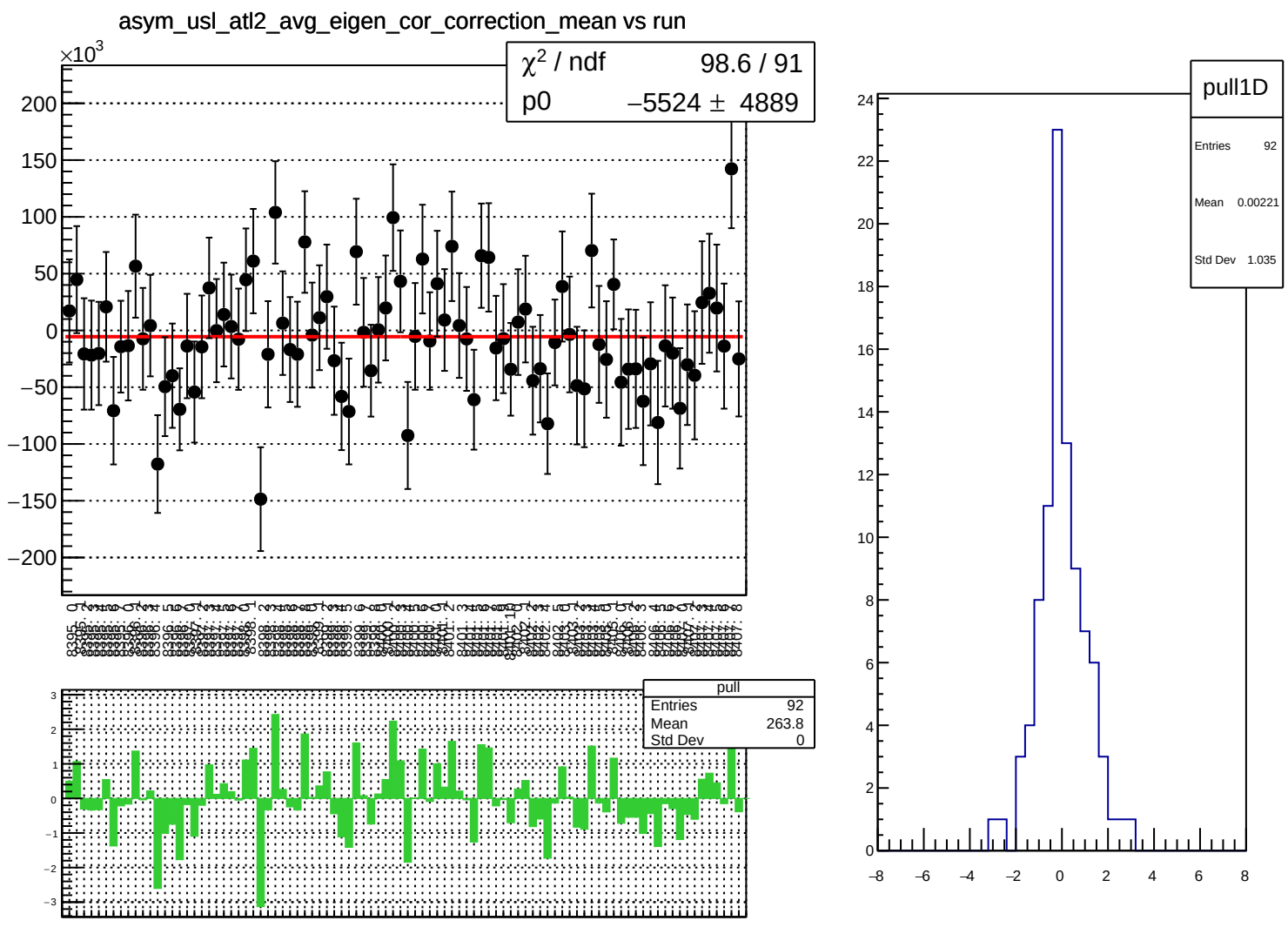

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 122.7 / 91
p0 1431 ± 1.09
1480
1470
1460
1450
1440
1430
1420
1410
1400
1390

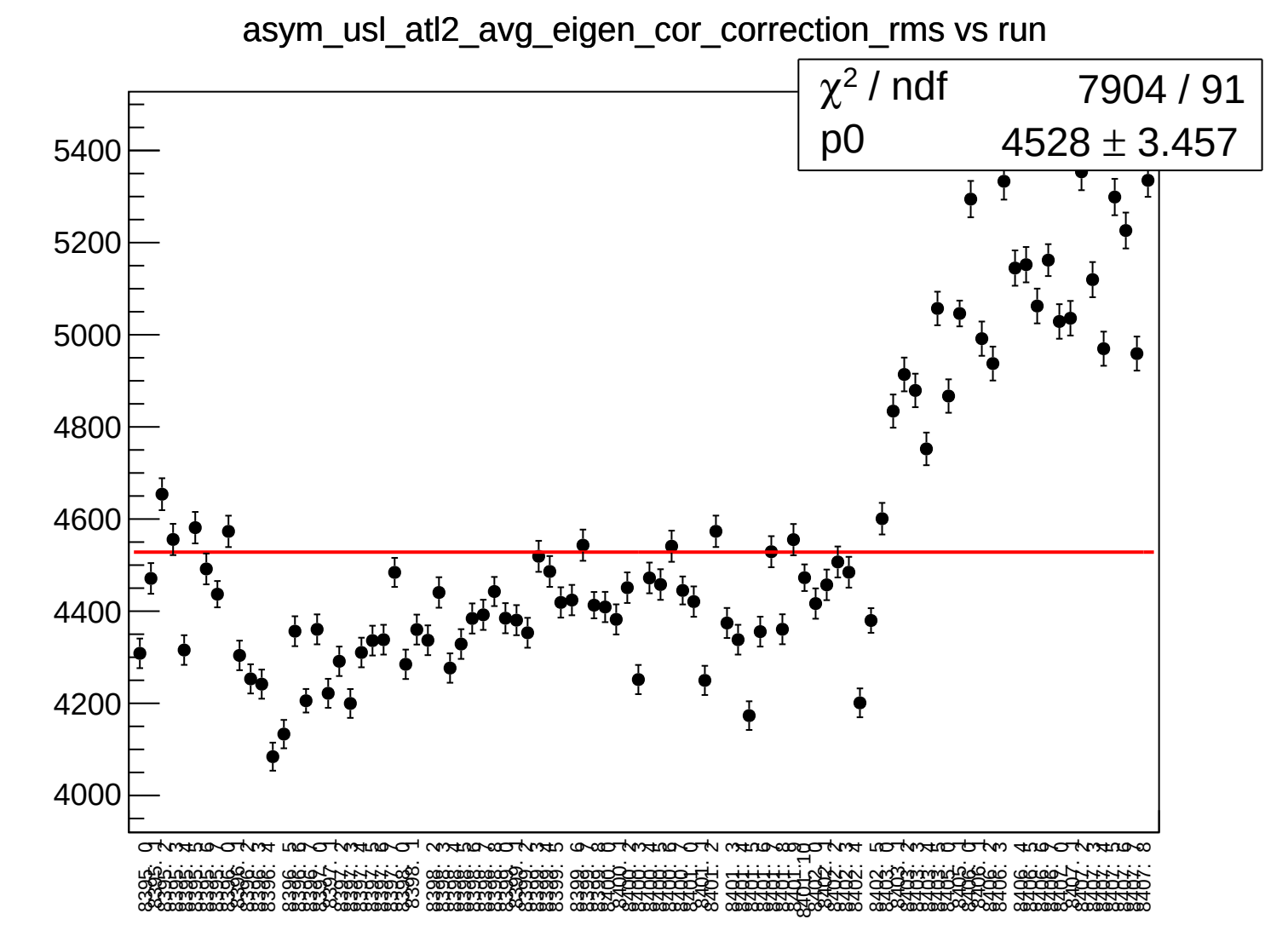

asym_usl_atl2_avg_cor_correction_mean vs run
χ² / ndf 98.6 / 91
p0 −5524 ± 4889
×10³
pull
Entries 92
Mean 263.8
Std Dev 0
pull1D
Entries 92
Mean 0.00221
Std Dev 1.035

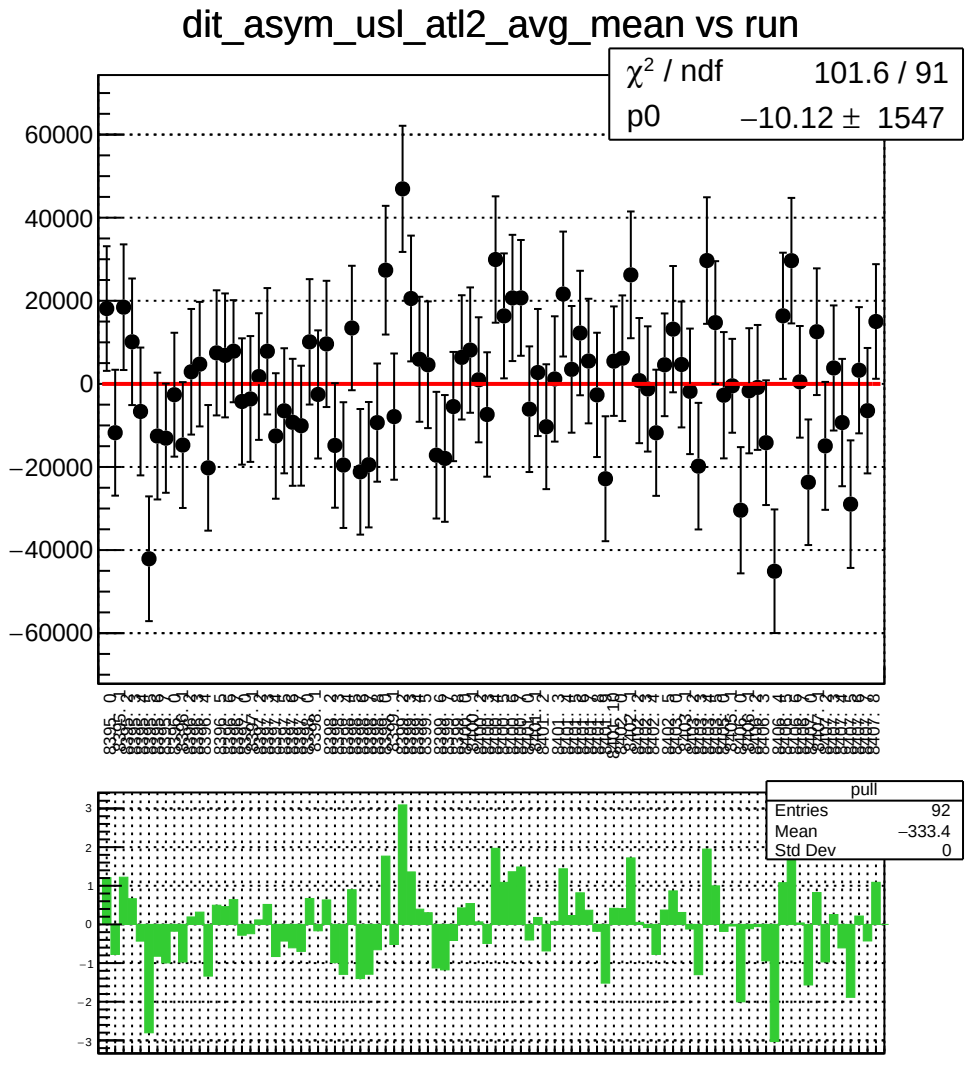

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 7904 / 91
p0 4528 ± 3.457
5400
5200
5000
4800
4600
4400
4200
4000

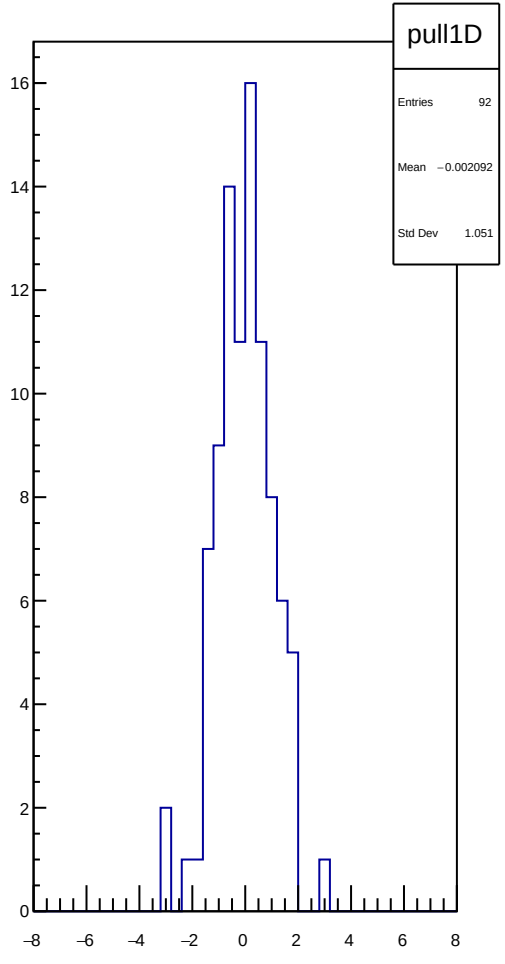

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 101 / 91
p0 221.7 ± 1542
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −213
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.002359
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

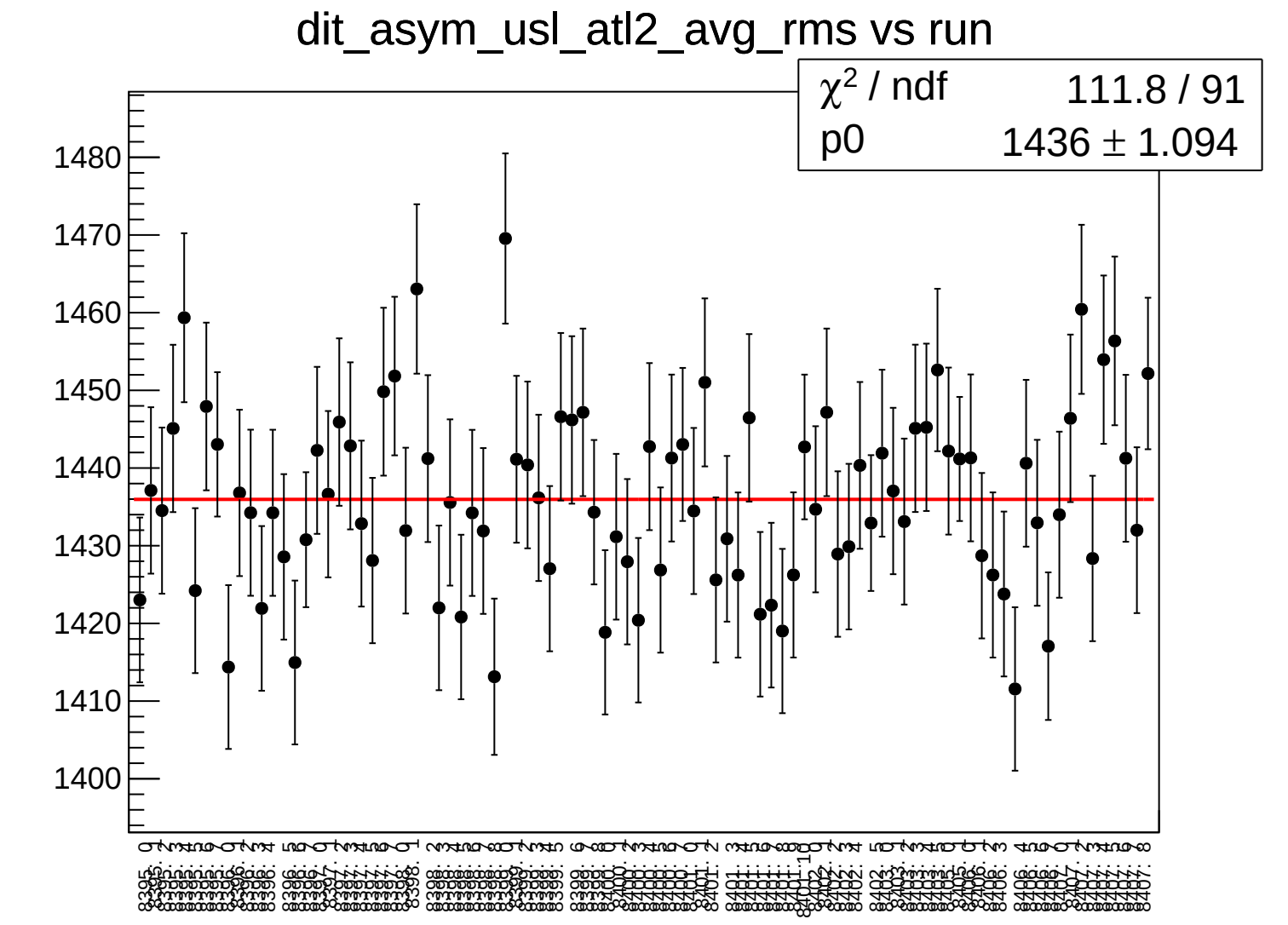

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 122.7 / 91
p0 1431 ± 1.09
1480
1470
1460
1450
1440
1430
1420
1410
1400
1390

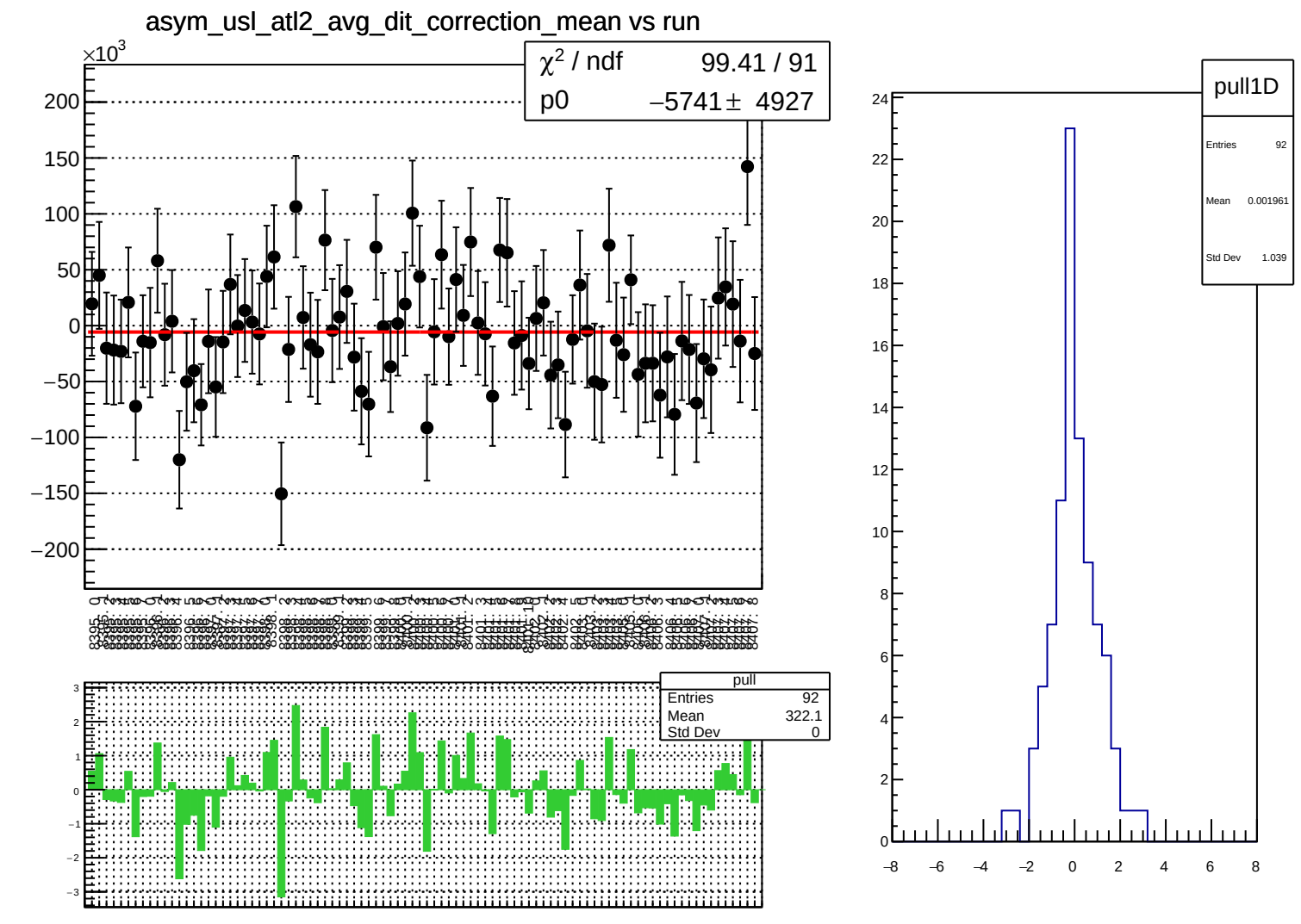

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 98.6 / 91
p0 −5524 ± 4889
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 263.8
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.00221
Std Dev 1.035
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

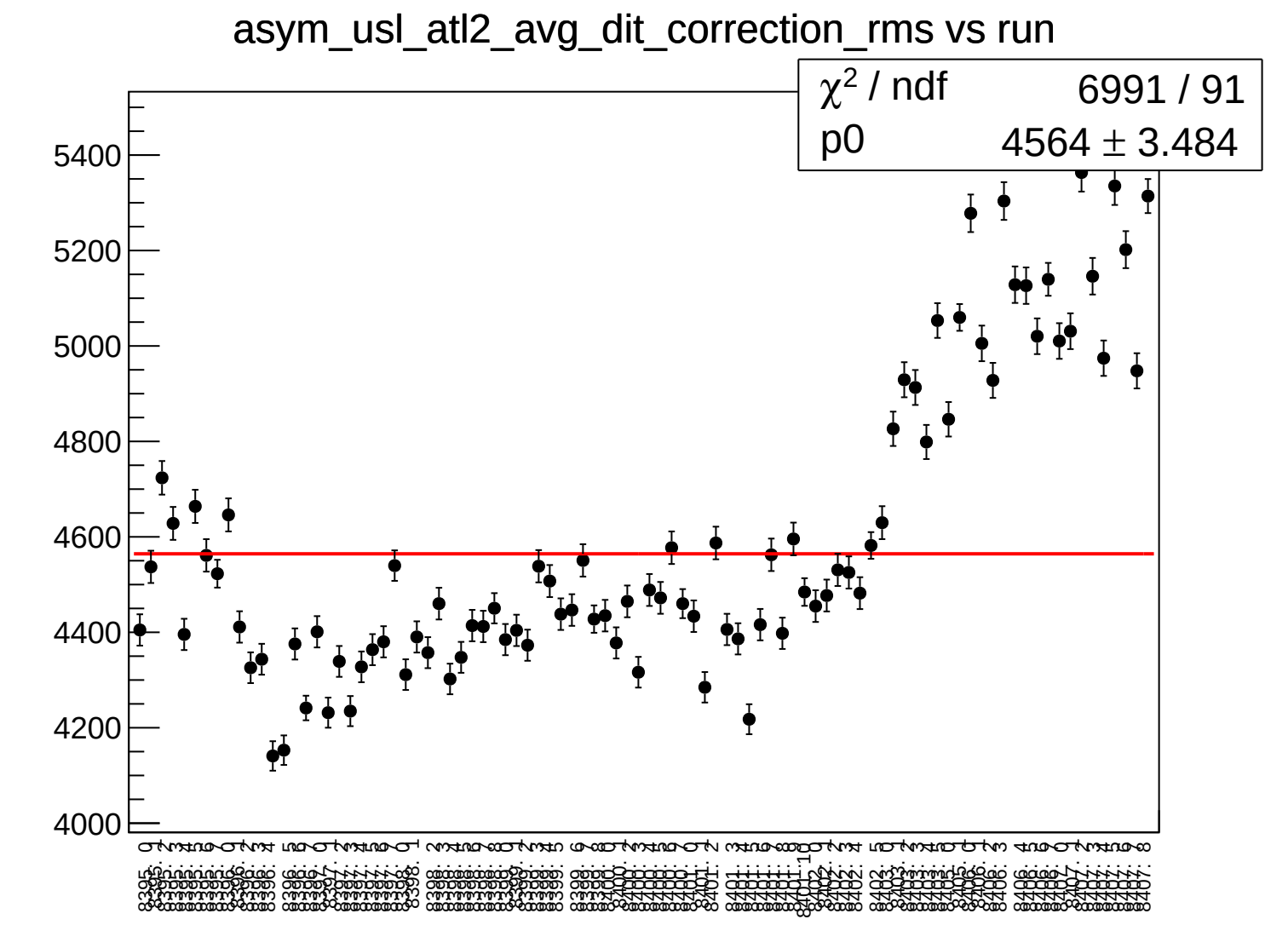

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 7904 / 91
p0 4528 ± 3.457
5400
5200
5000
4800
4600
4400
4200
4000

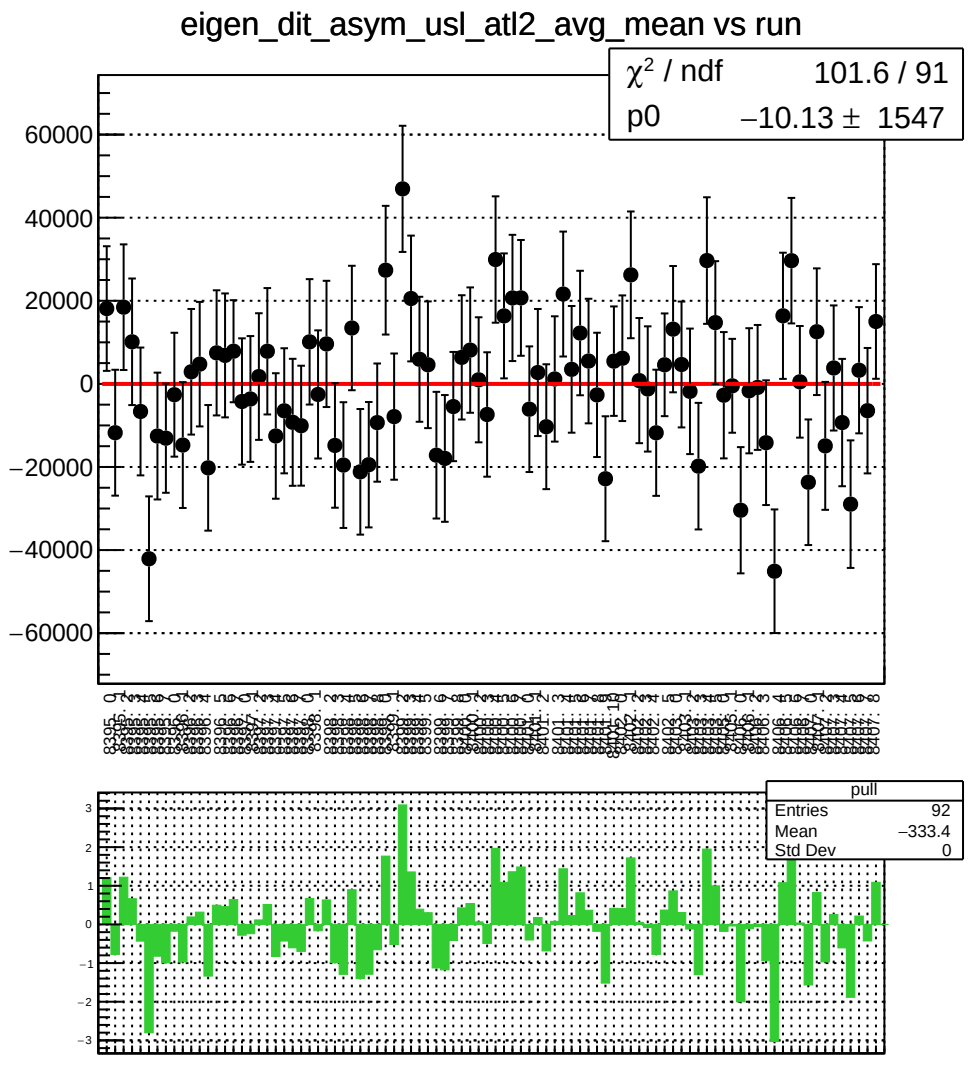

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 101.6 / 91
p0 −10.12 ± 1547
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −333.4
Std Dev 0
3
2
1
0
−1
−2
−3

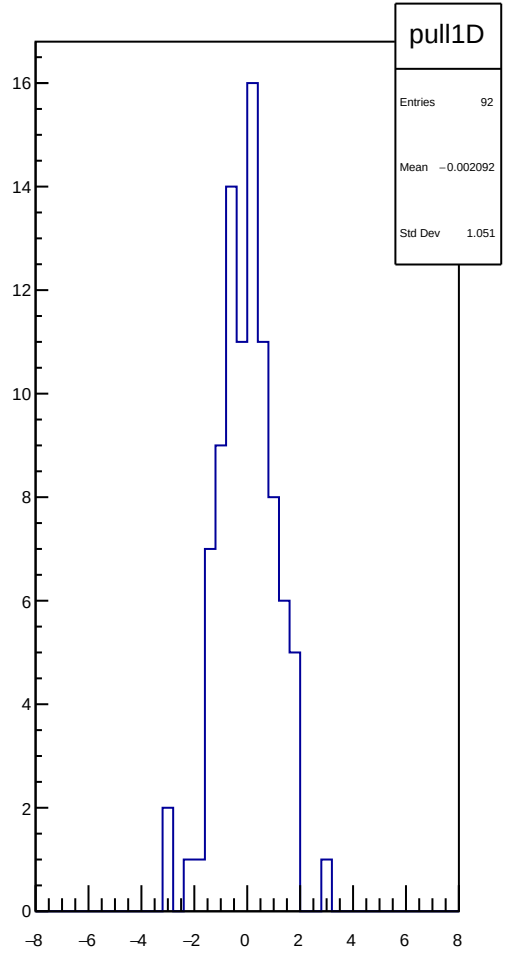

pull1D
Entries 92
Mean −0.002092
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

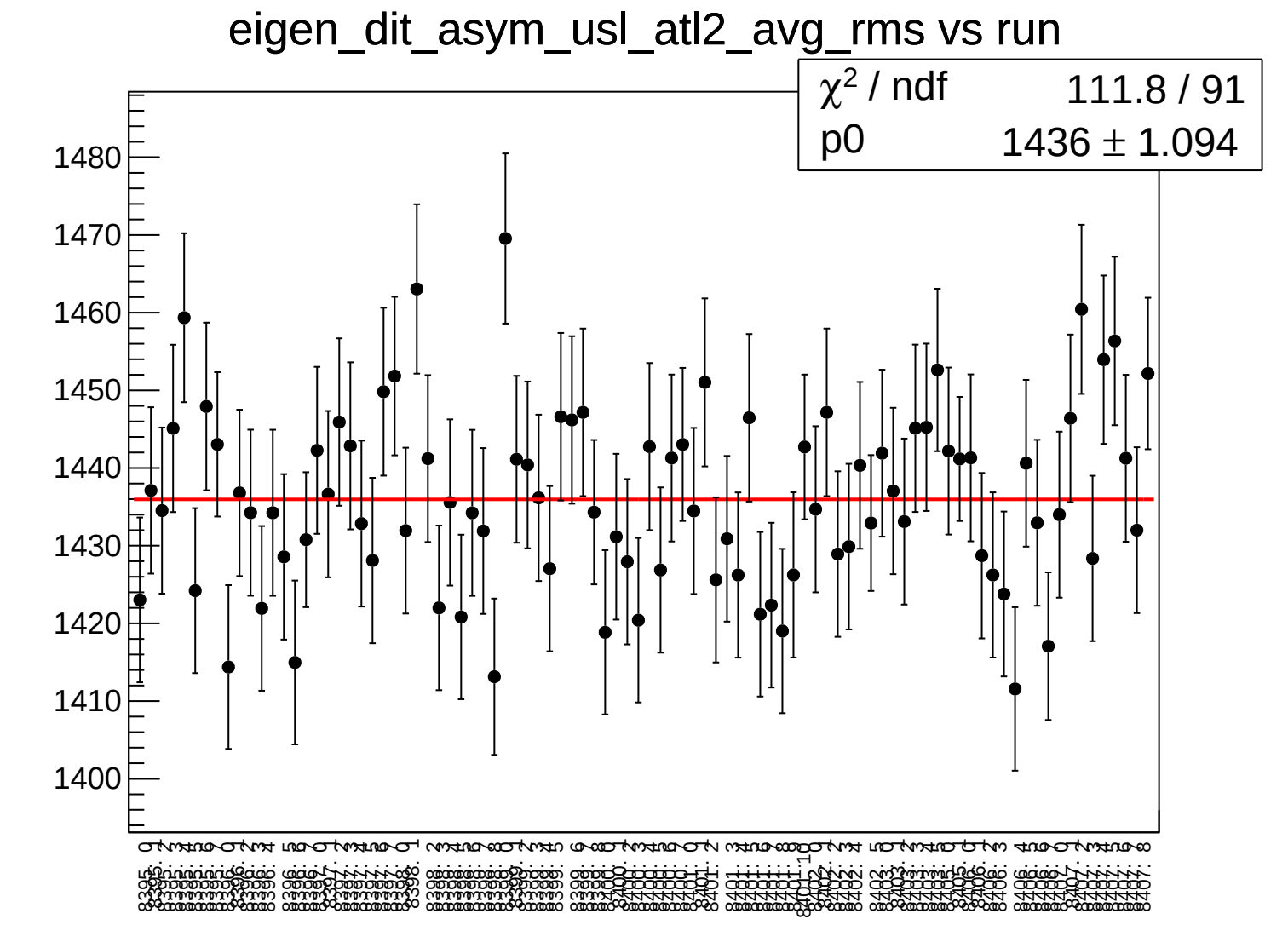

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 111.8 / 91
p0 1436 ± 1.094
1480
1470
1460
1450
1440
1430
1420
1410
1400

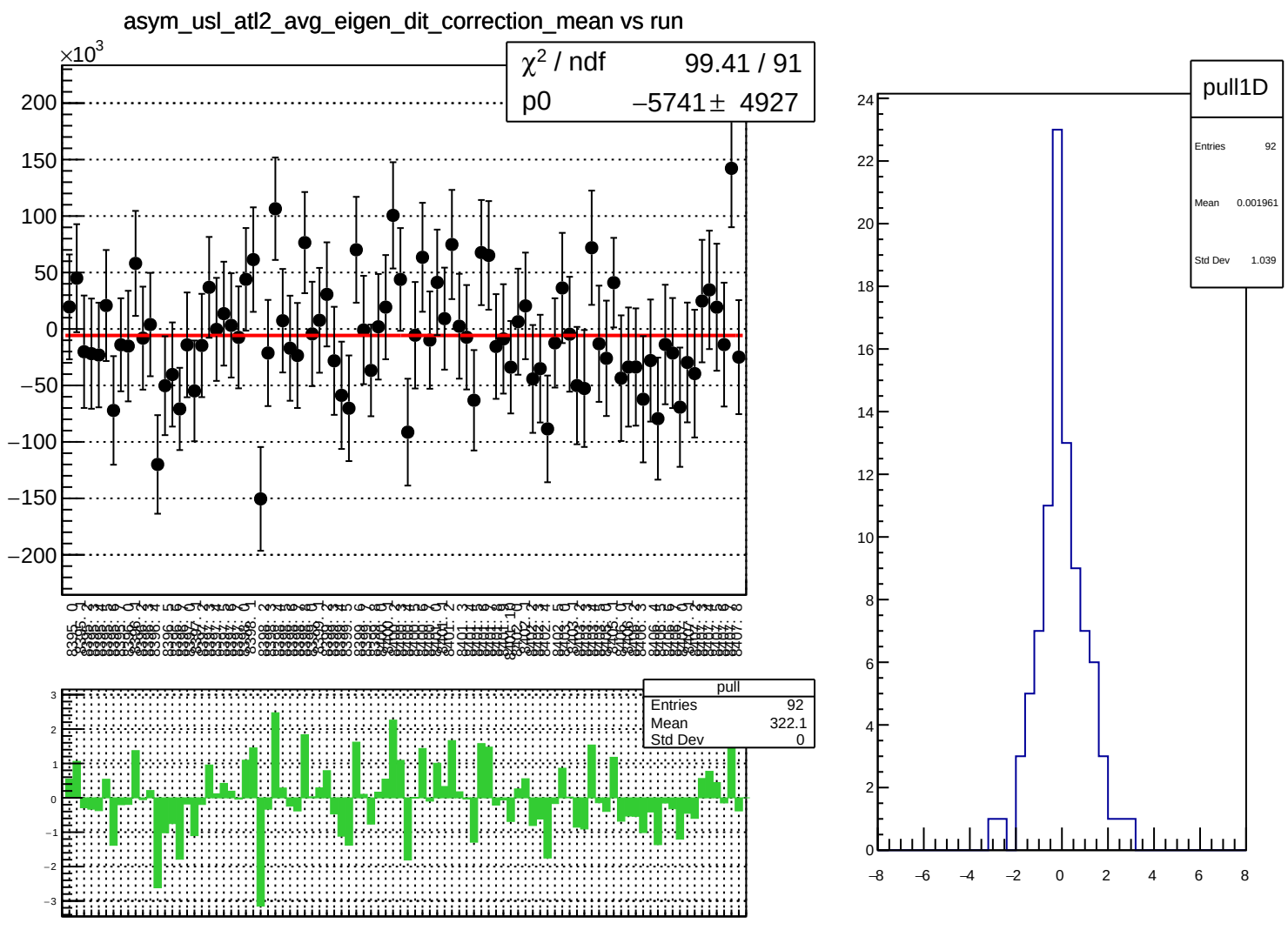

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 99.41 / 91
p0 −5741 ± 4927
pull
Entries 92
Mean 322.1
Std Dev 0
pull1D
Entries 92
Mean 0.001961
Std Dev 1.039

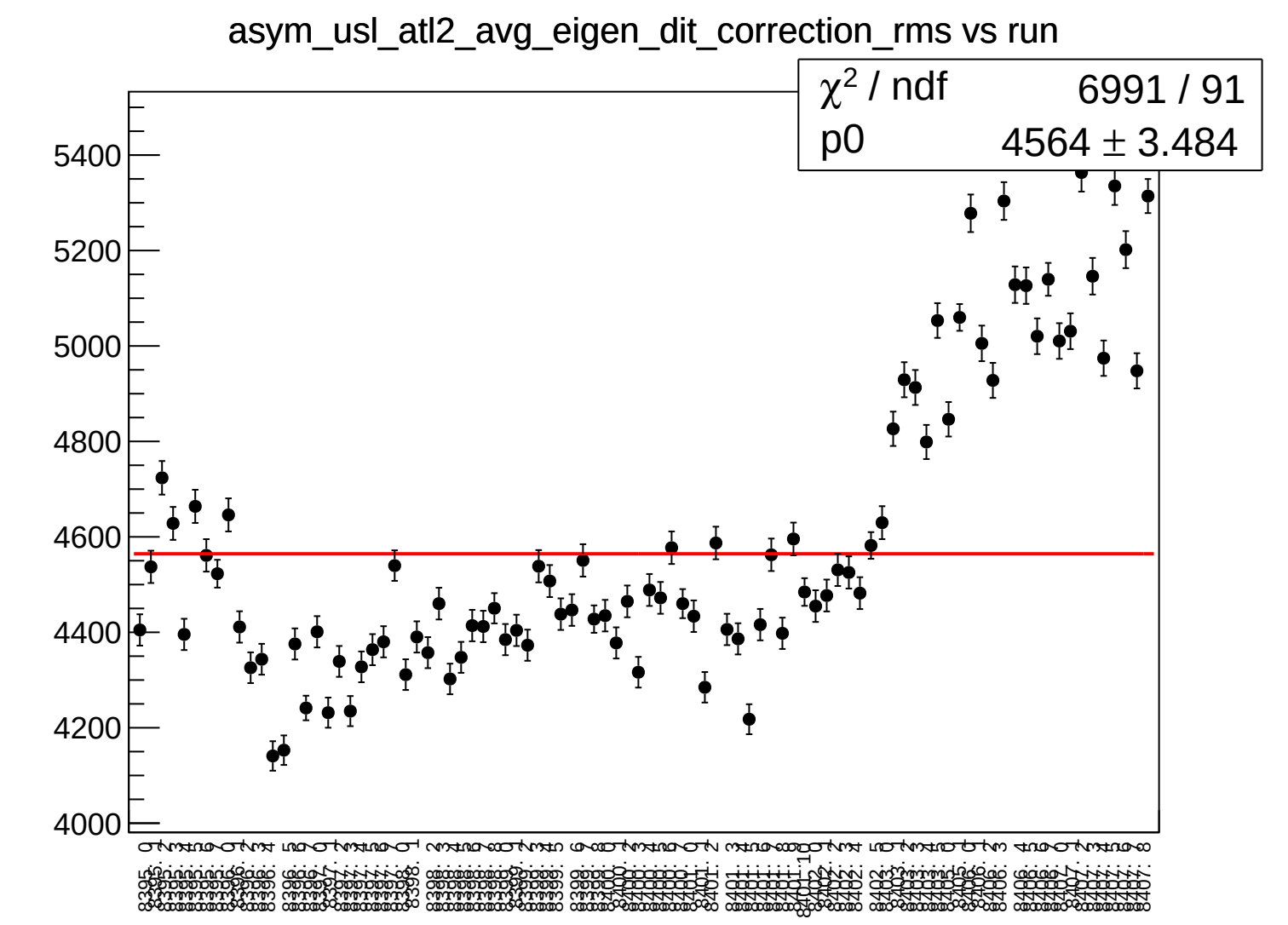

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 6991 / 91
p0 4564 ± 3.484
5400
5200
5000
4800
4600
4400
4200
4000

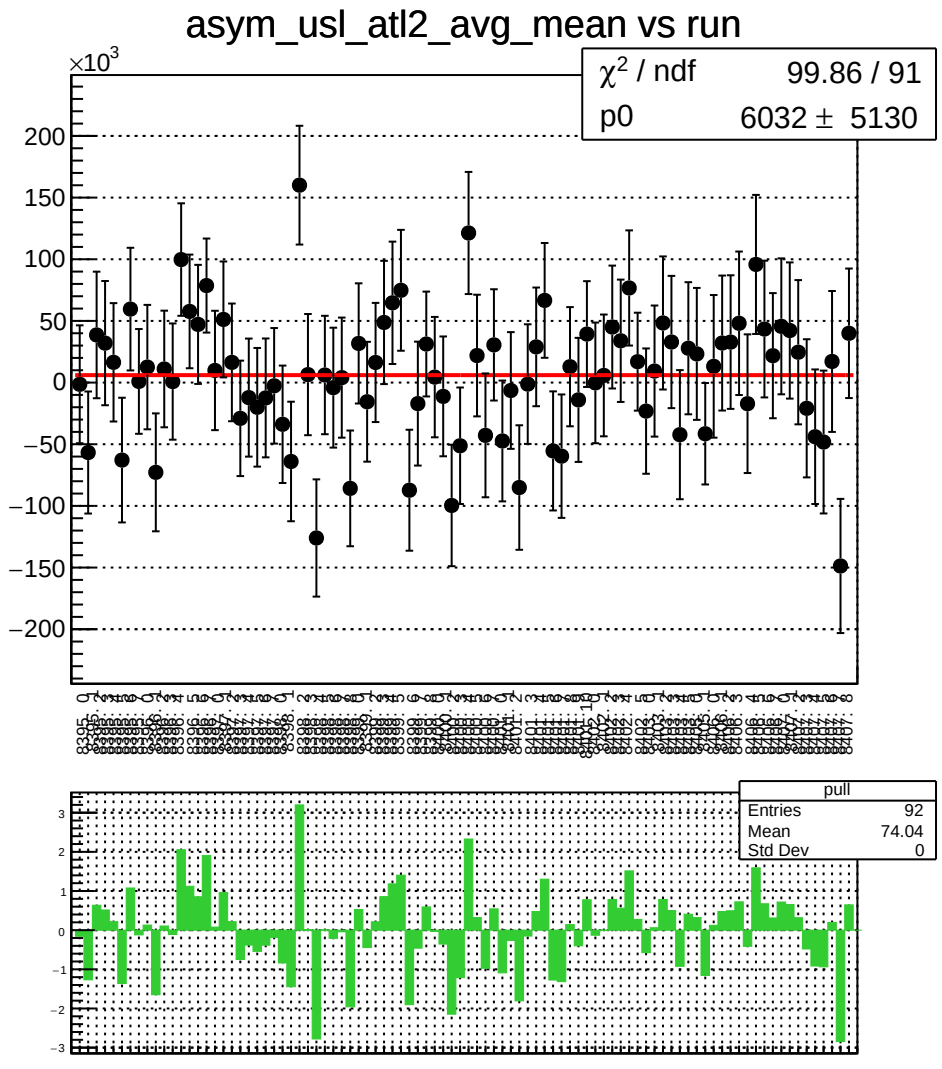

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 101.6 / 91
p0 −10.13 ± 1547
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −333.4
Std Dev 0
3
2
1
0
−1
−2
−3

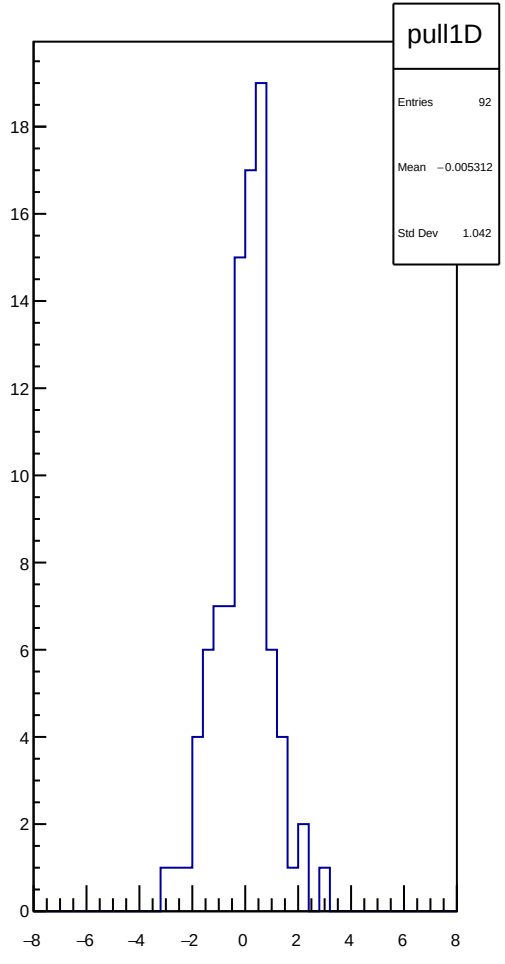

pull1D
Entries 92
Mean −0.002092
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

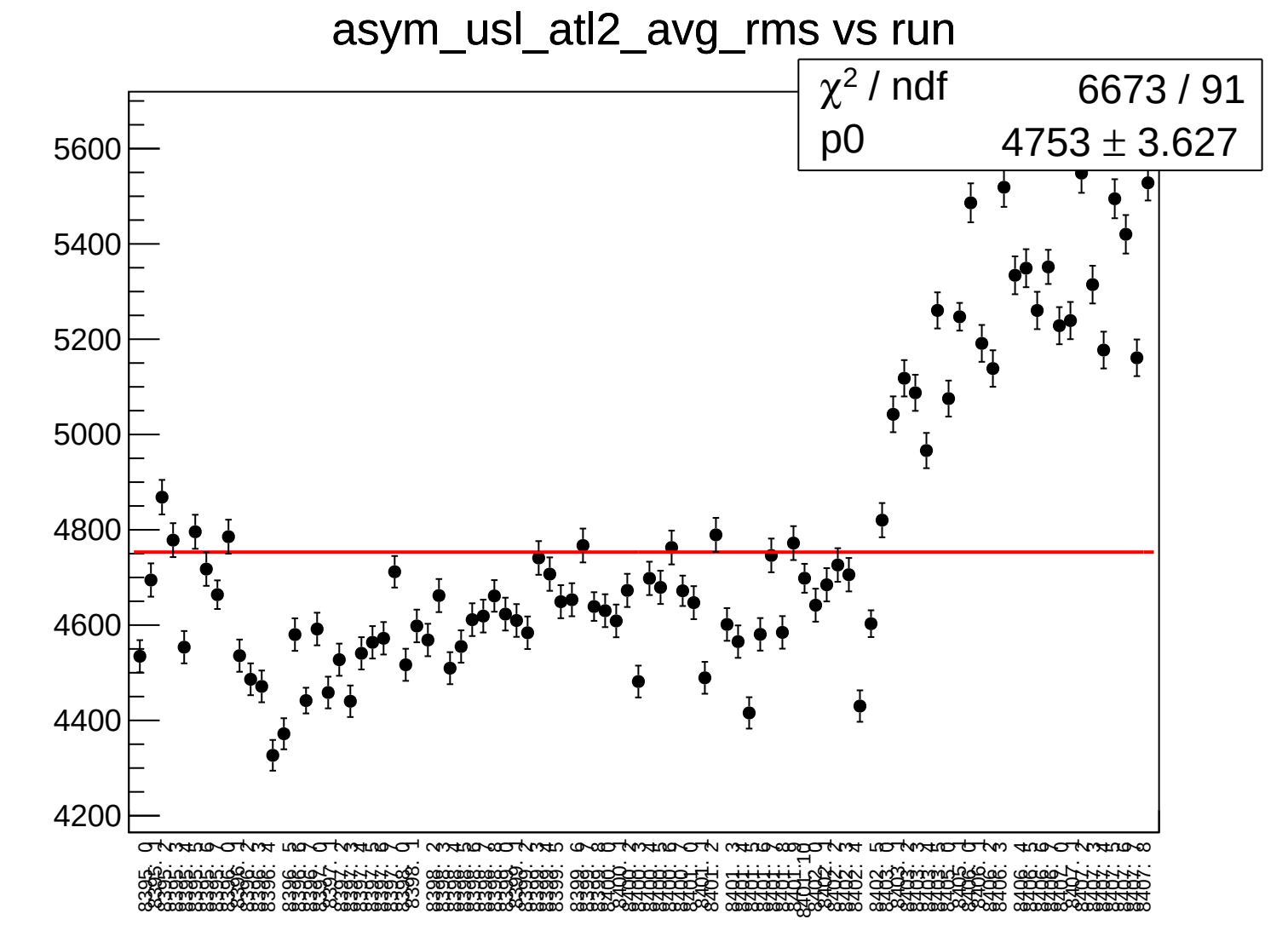

eigen_dit_asym_usl_atl2_avg_rms vs run
$\chi^2$ / ndf 111.8 / 91
p0 1436 ± 1.094
1480
1470
1460
1450
1440
1430
1420
1410
1400

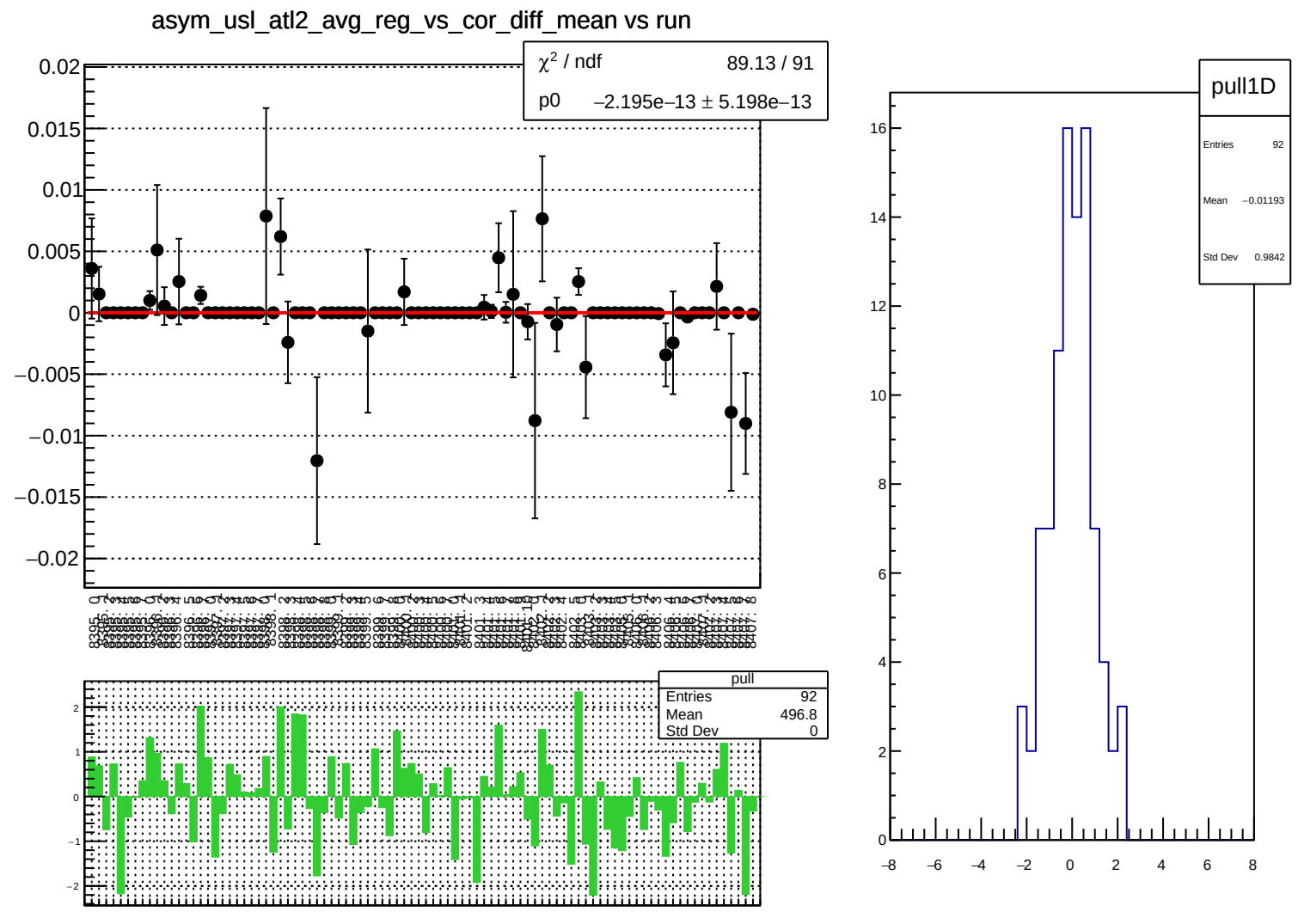

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 99.41 / 91
p0 −5741 ± 4927
pull
Entries 92
Mean 322.1
Std Dev 0
pull1D
Entries 92
Mean 0.001961
Std Dev 1.039

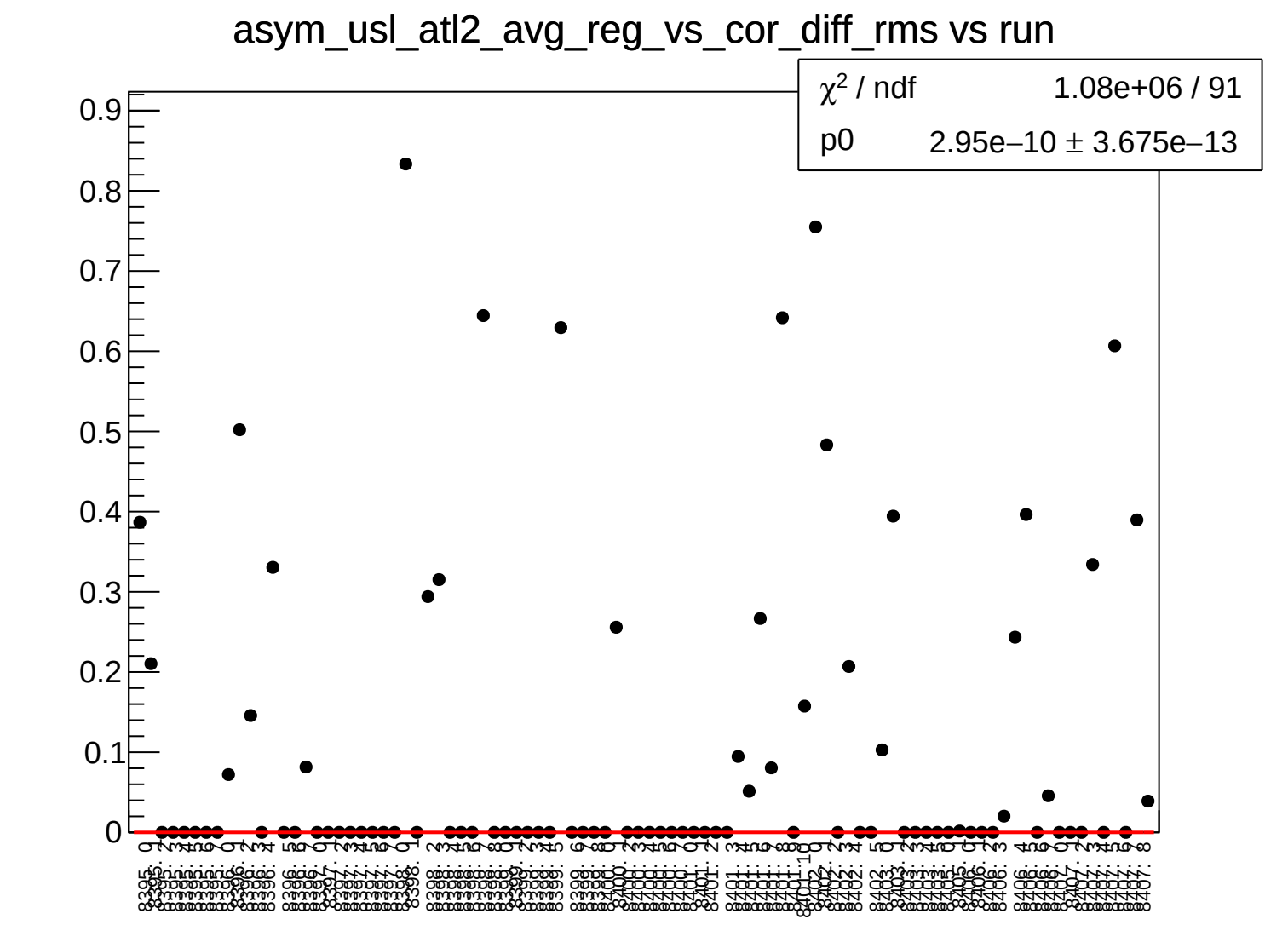

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 6991 / 91
p0 4564 ± 3.484
5400
5200
5000
4800
4600
4400
4200
4000

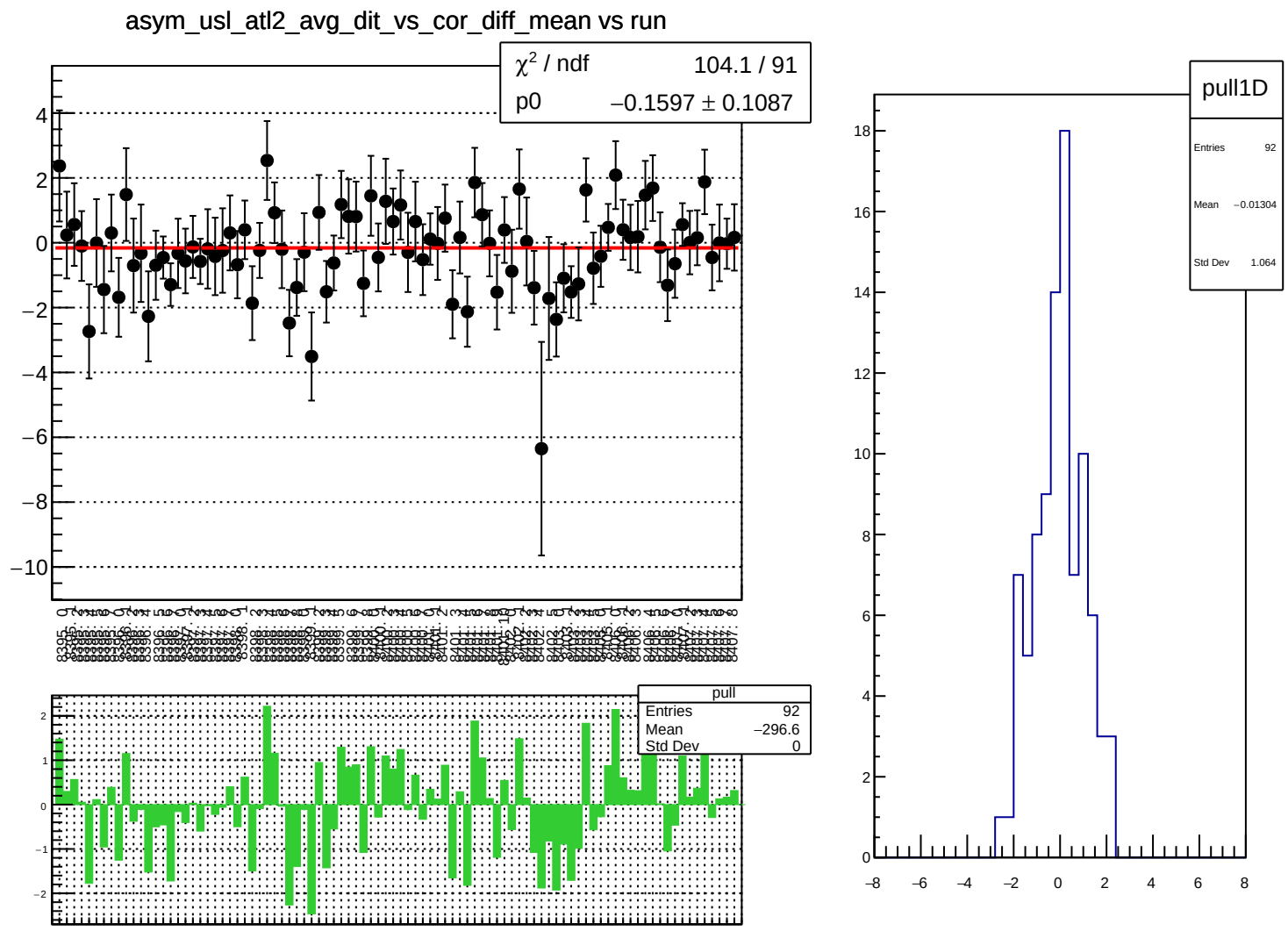

asym_usl_atl2_avg_mean vs run
×10^3
χ^2 / ndf 99.86 / 91
p0 6032 ± 5130
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 74.04
Std Dev 0
3
2
1
0
−1
−2
−3

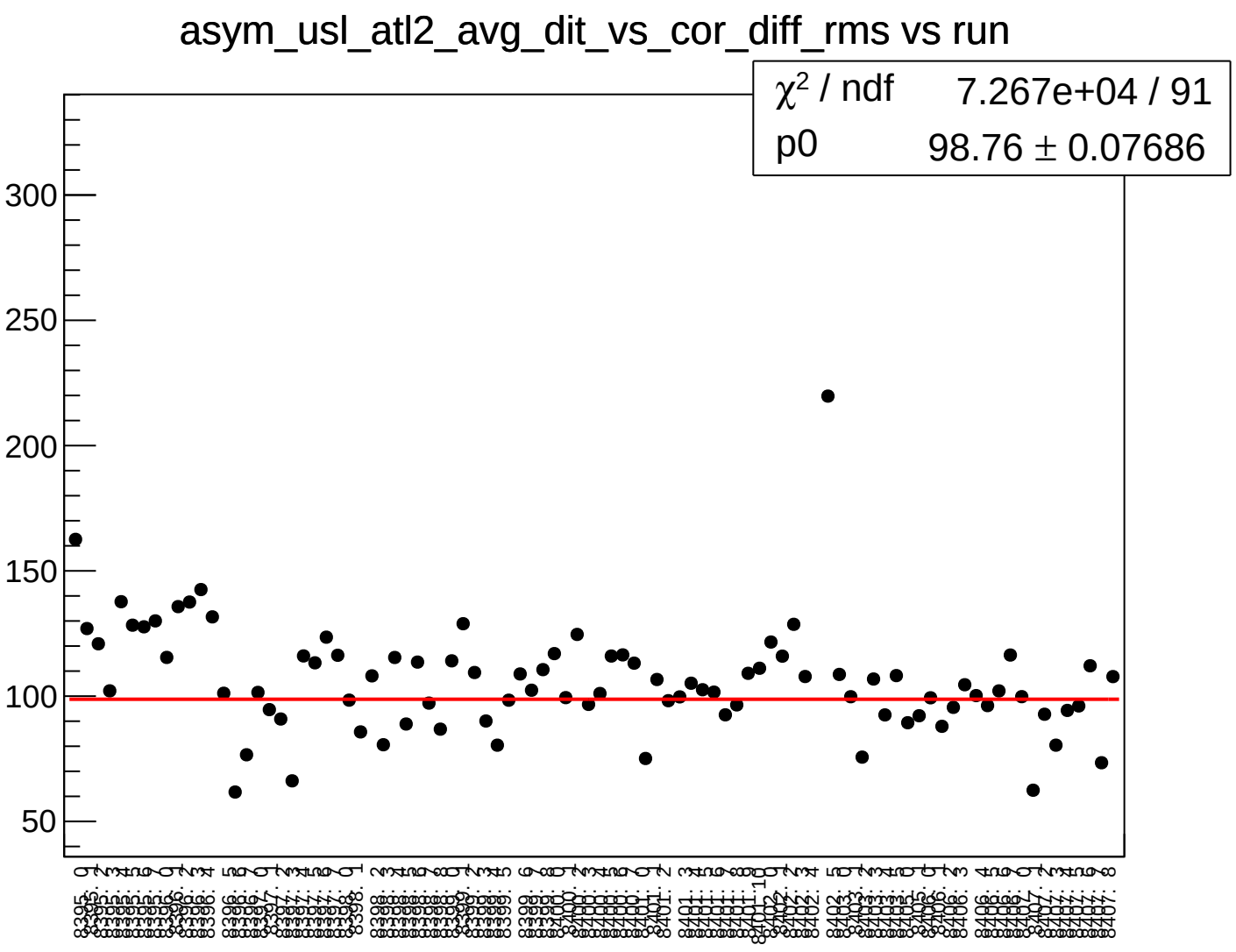

pull1D
Entries 92
Mean −0.005312
Std Dev 1.042
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

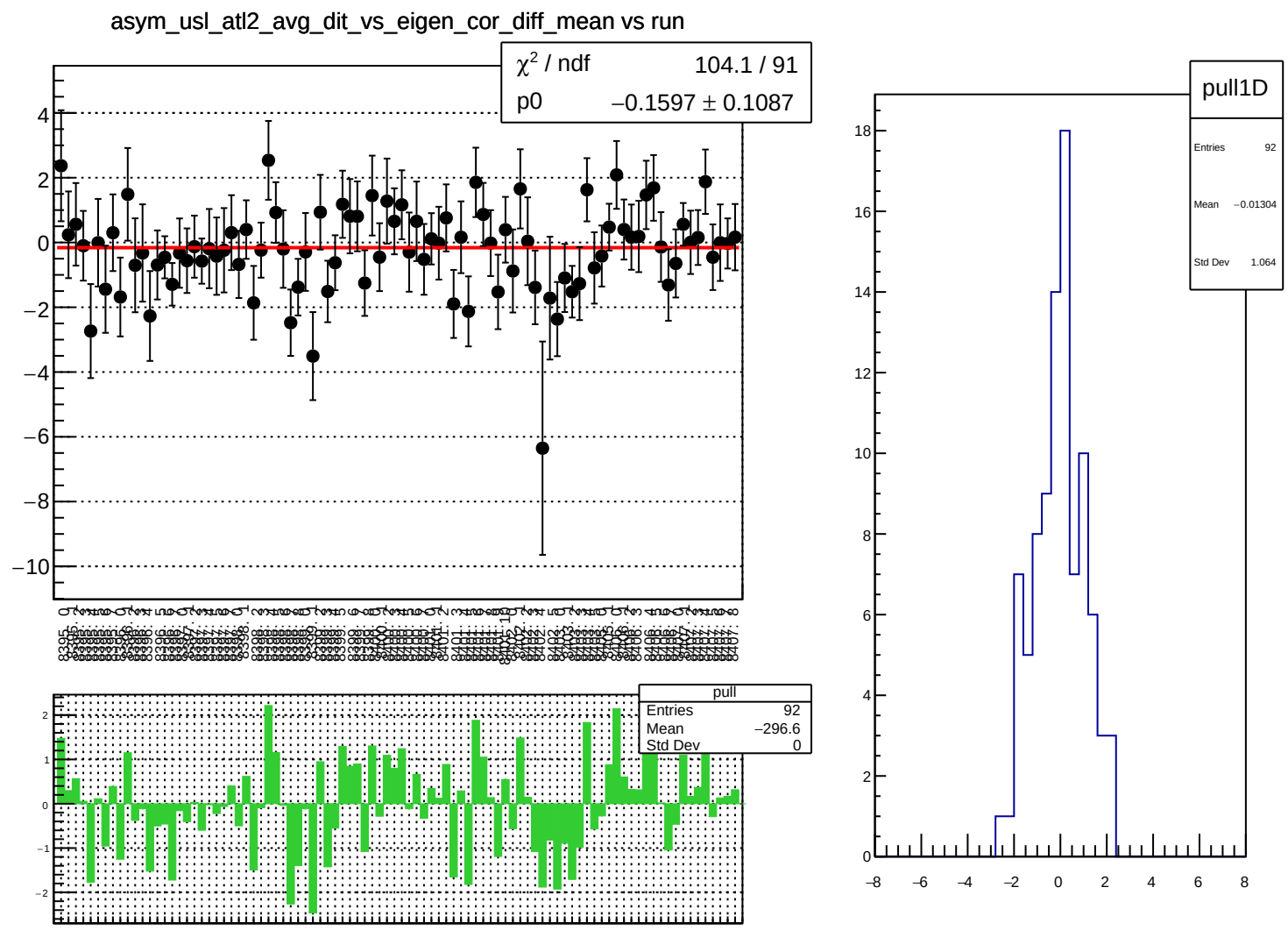

asym_usl_atl2_avg_rms vs run
χ² / ndf 6673 / 91
p0 4753 ± 3.627
5600
5400
5200
5000
4800
4600
4400
4200

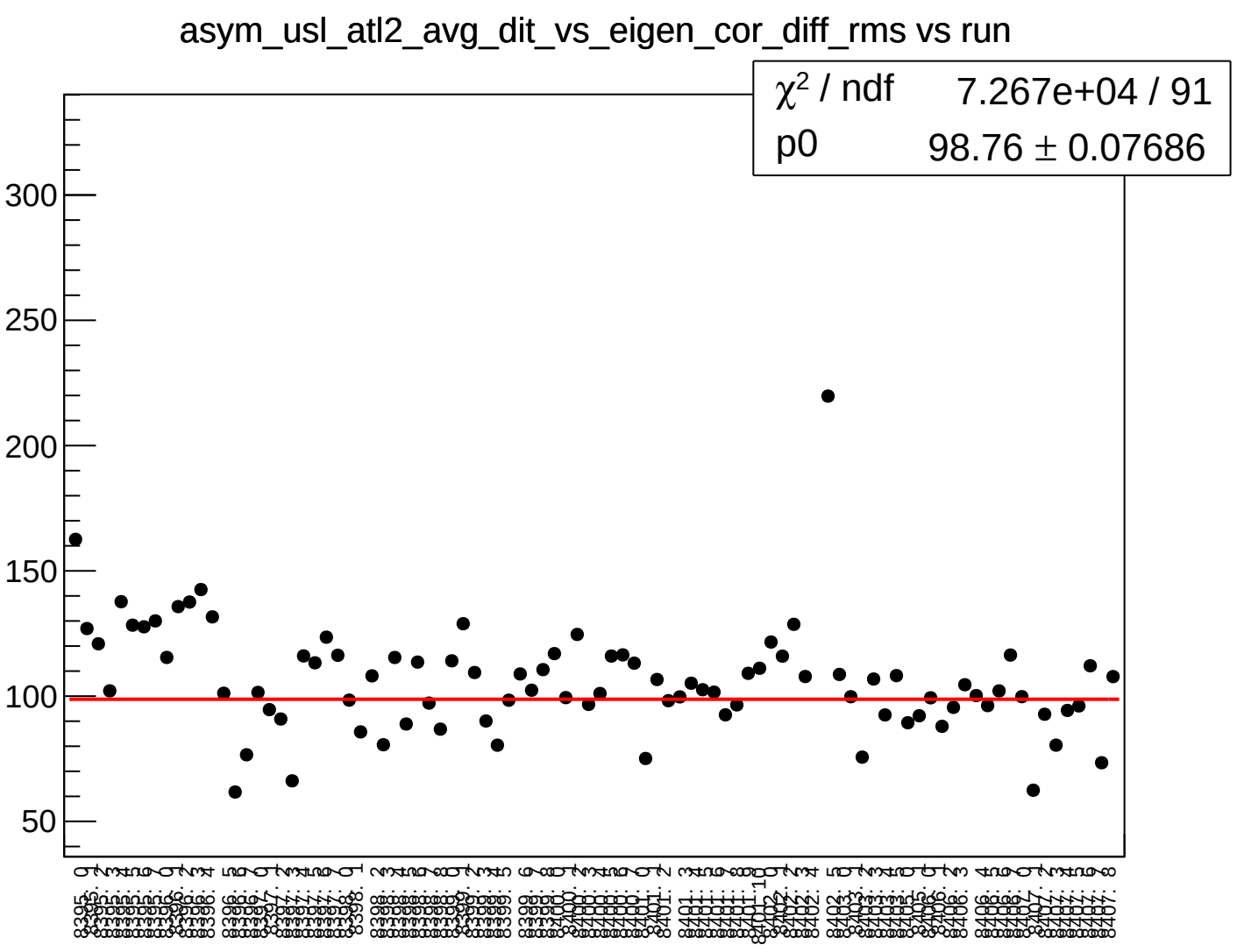

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 89.13 / 91
p0 −2.195e−13 ± 5.198e−13
pull
Entries 92
Mean 496.8
Std Dev 0
pull1D
Entries 92
Mean −0.01193
Std Dev 0.9842

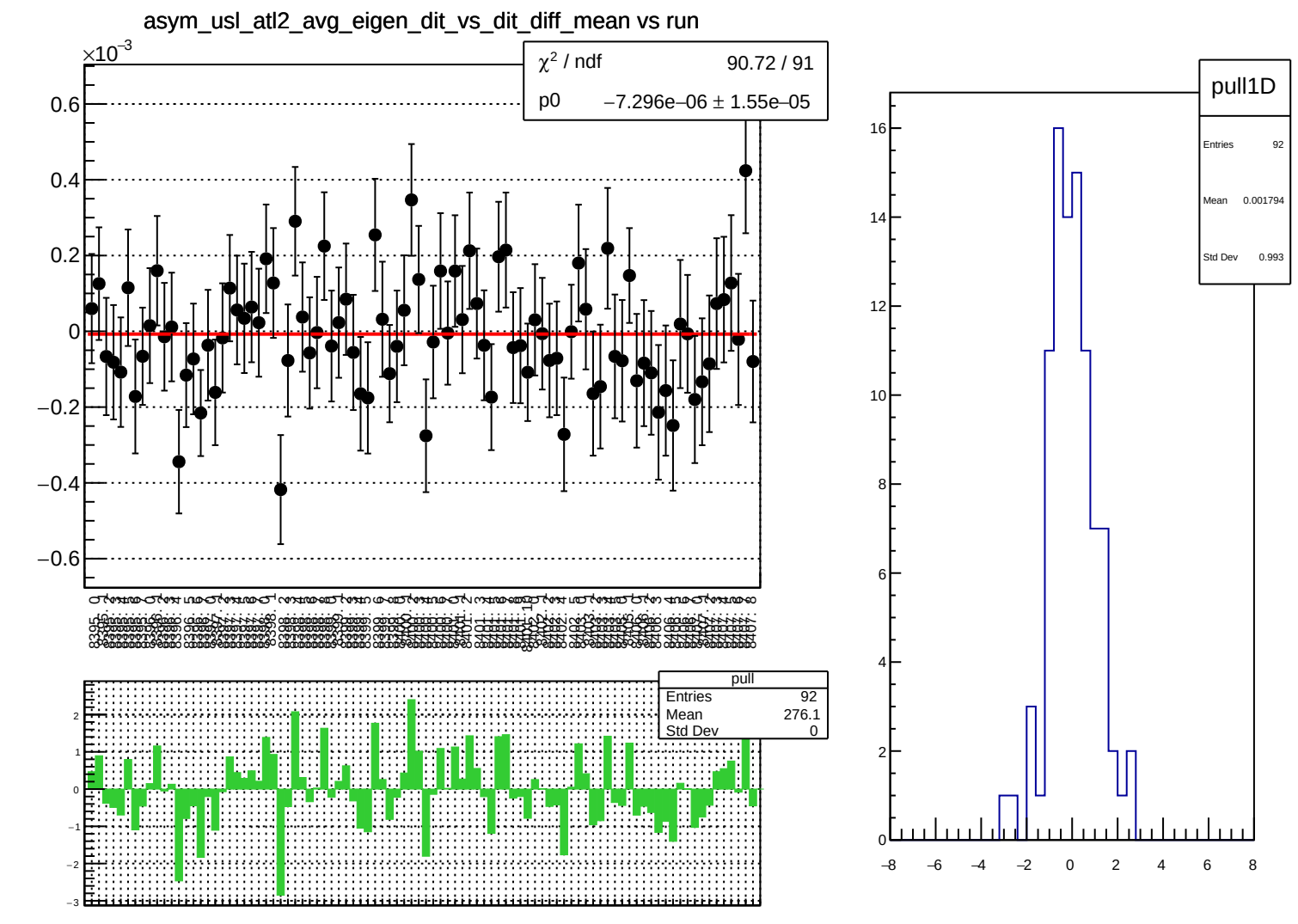

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.08e+06 / 91
p0 2.95e−10 ± 3.675e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

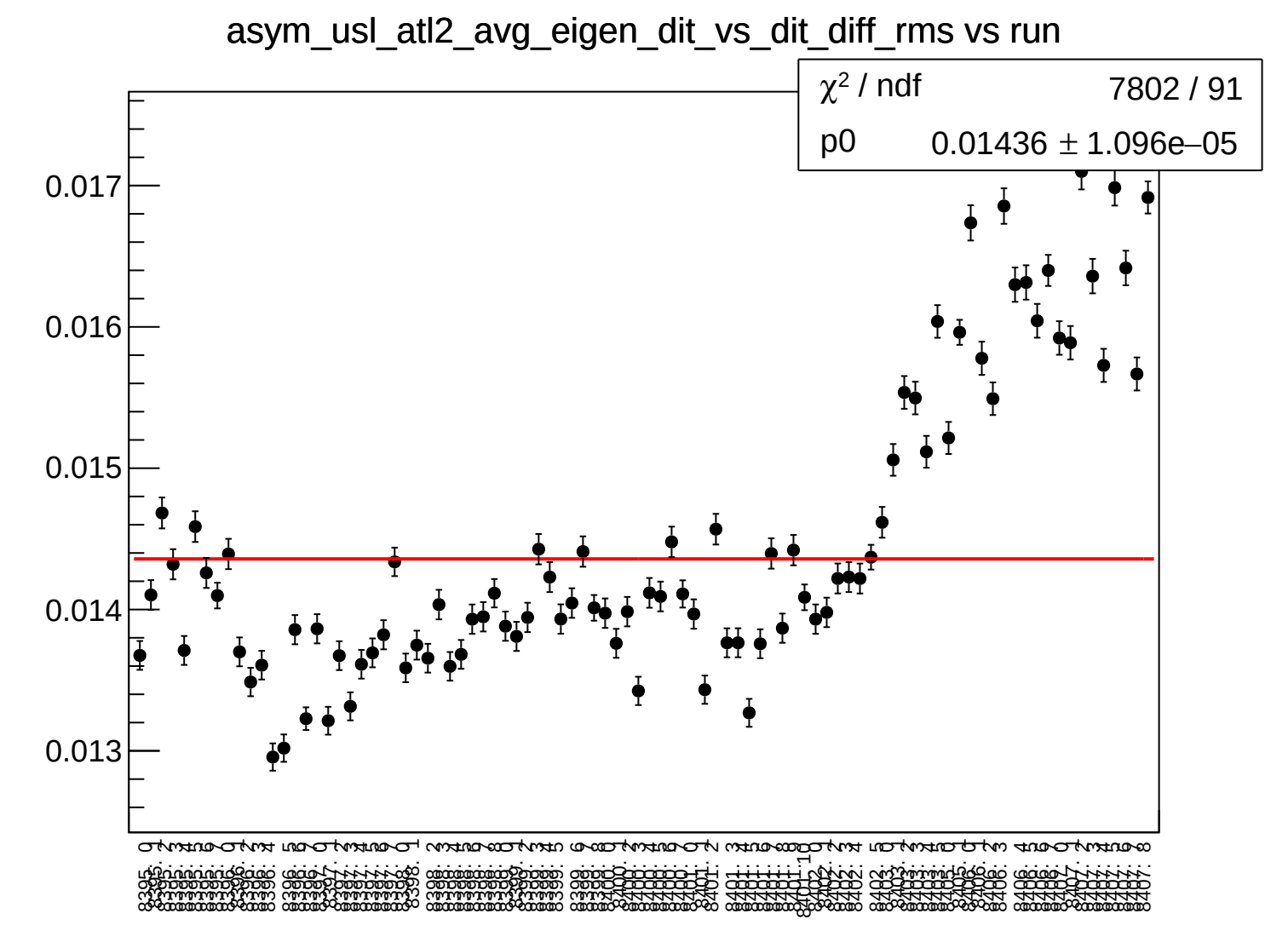

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1597 ± 0.1087
pull
Entries 92
Mean −296.6
Std Dev 0
pull1D
Entries 92
Mean −0.01304
Std Dev 1.064

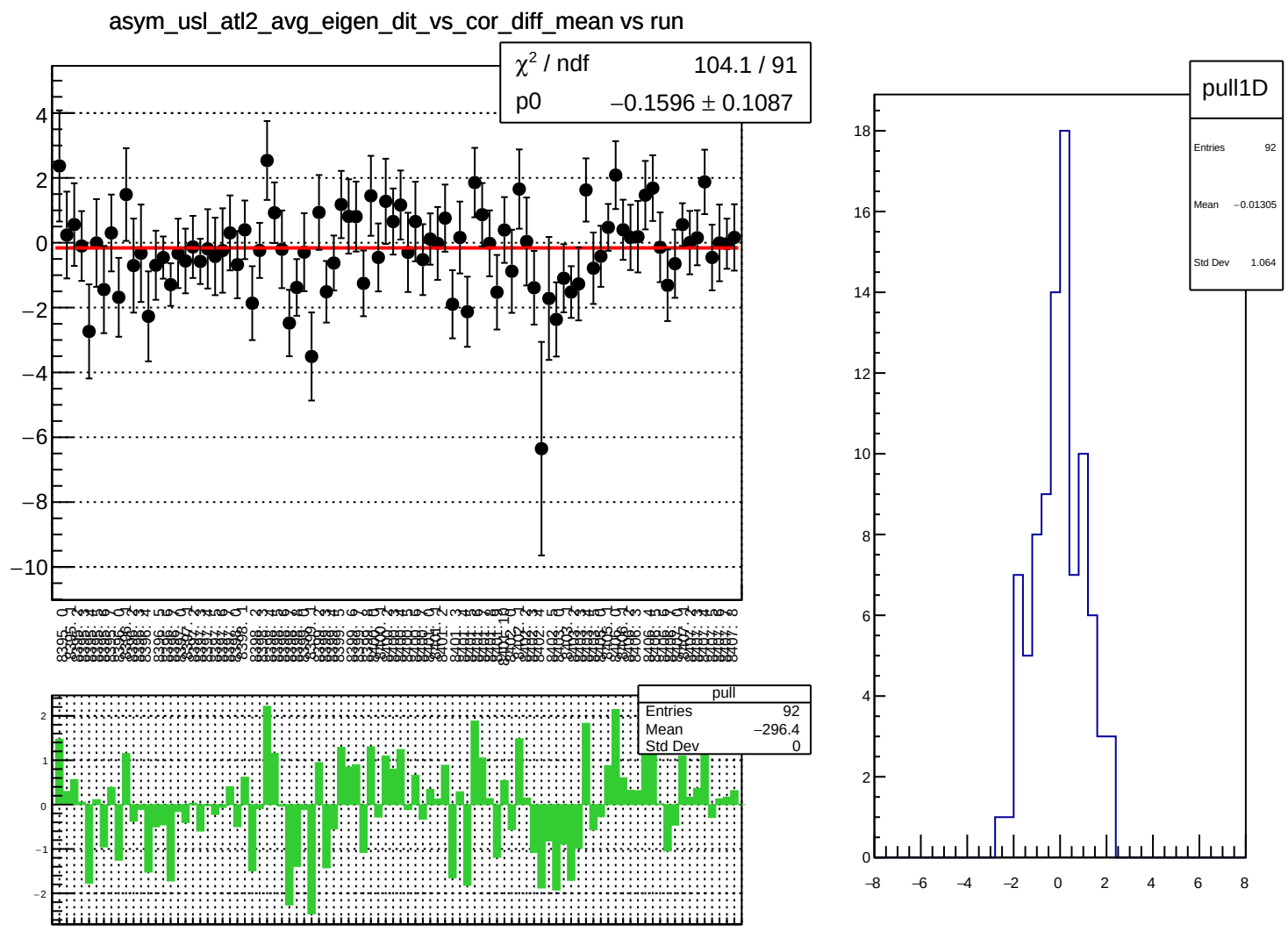

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.267e+04 / 91
p0 98.76 ± 0.07686
300
250
200
150
100
50

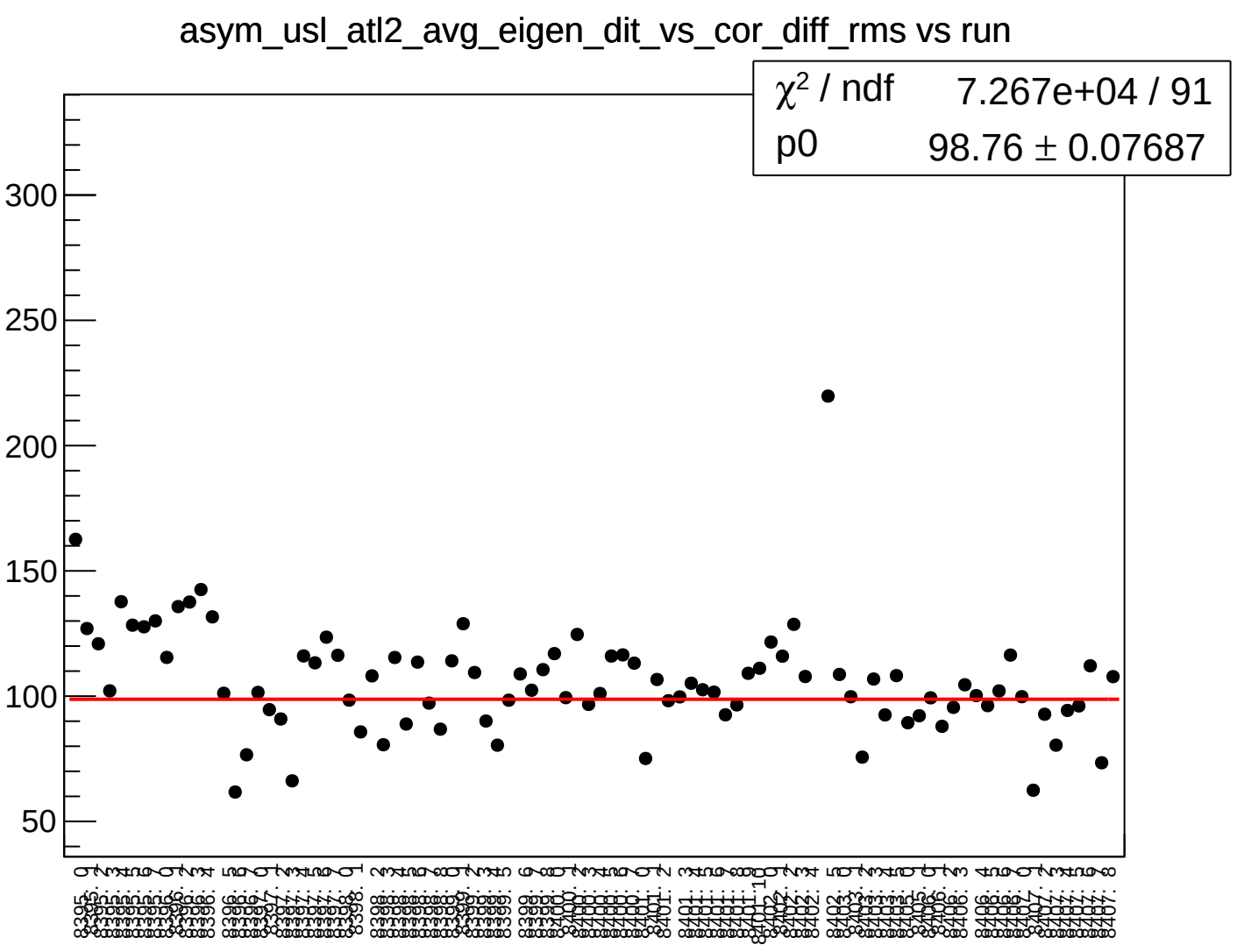

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1597 ± 0.1087
pull
Entries 92
Mean −296.6
Std Dev 0
pull1D
Entries 92
Mean −0.01304
Std Dev 1.064

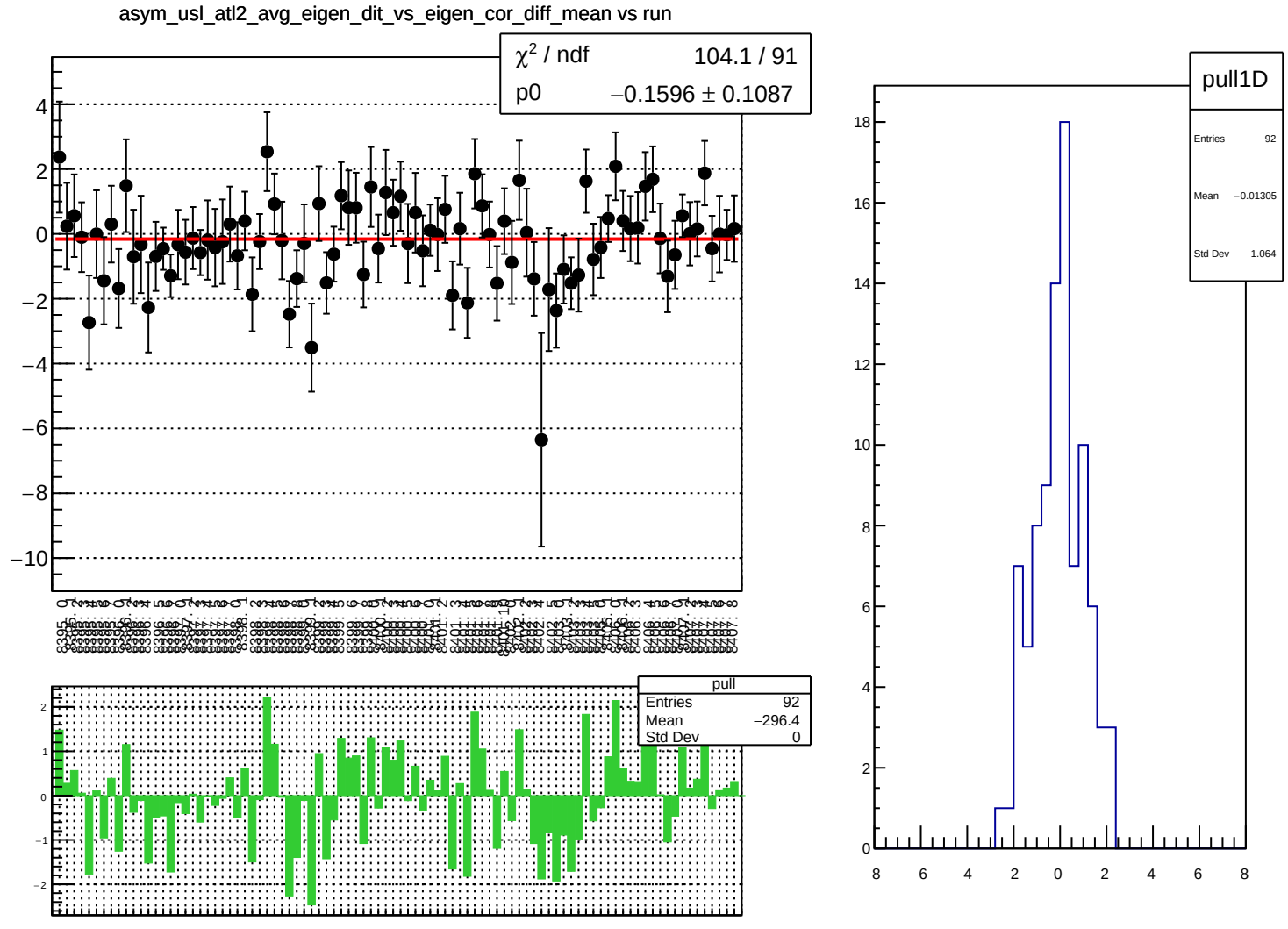

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.267e+04 / 91
p0 98.76 ± 0.07686
300
250
200
150
100
50

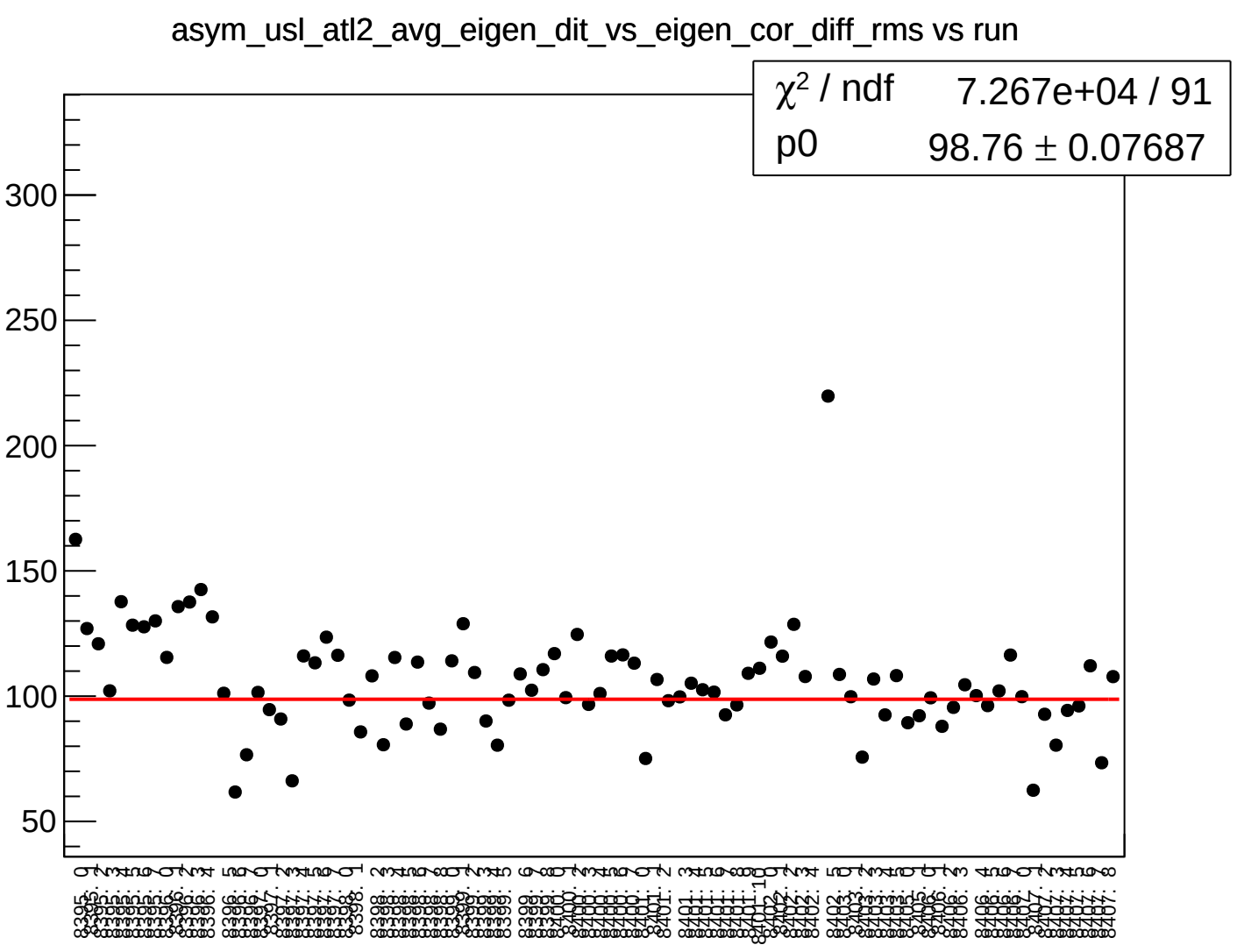

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.72 / 91
p0 −7.296e−06 ± 1.55e−05
pull
Entries 92
Mean 276.1
Std Dev 0
pull1D
Entries 92
Mean 0.001794
Std Dev 0.993

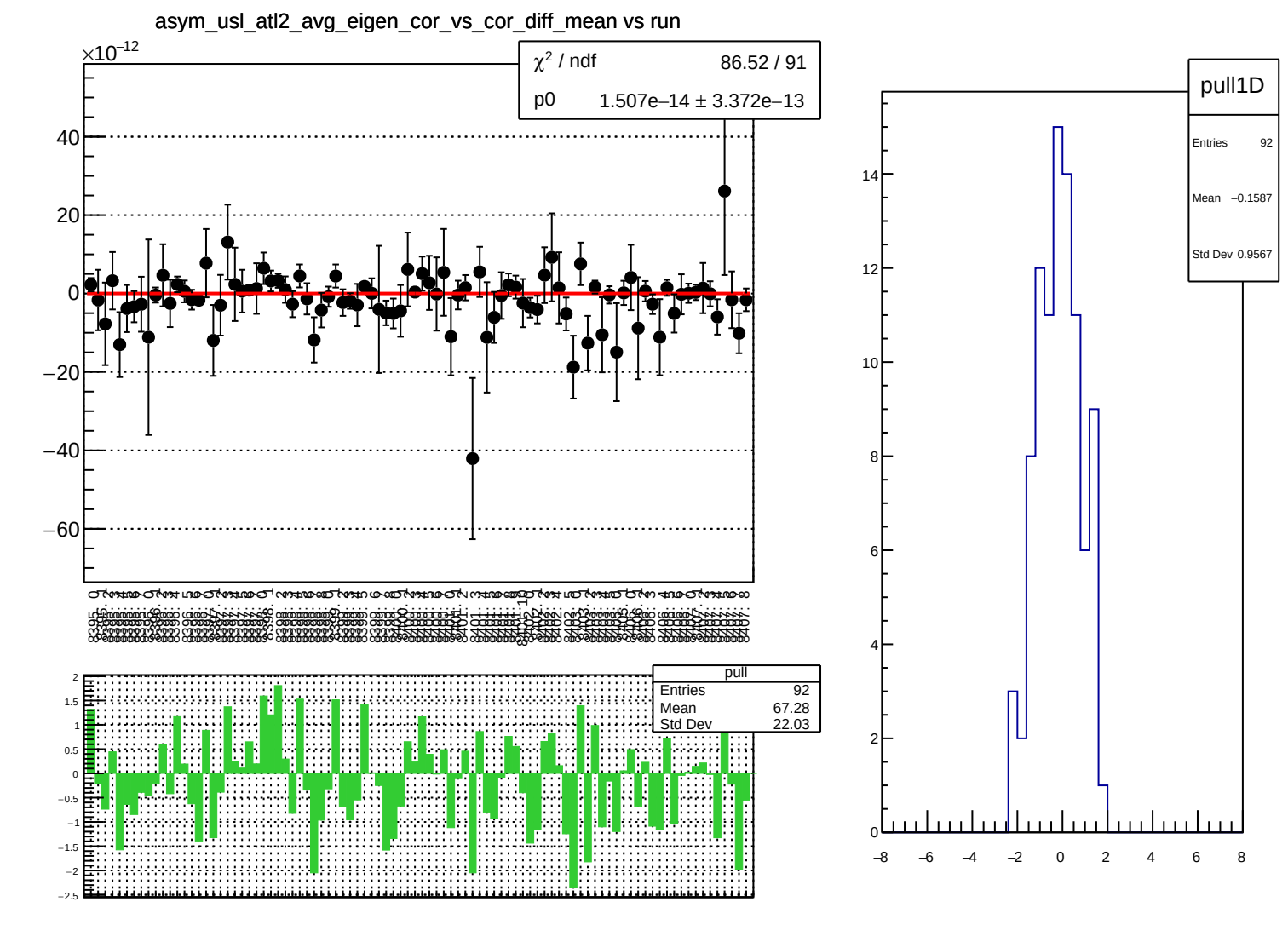

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7802 / 91
p0 0.01436 ± 1.096e−05
0.017
0.016
0.015
0.014
0.013

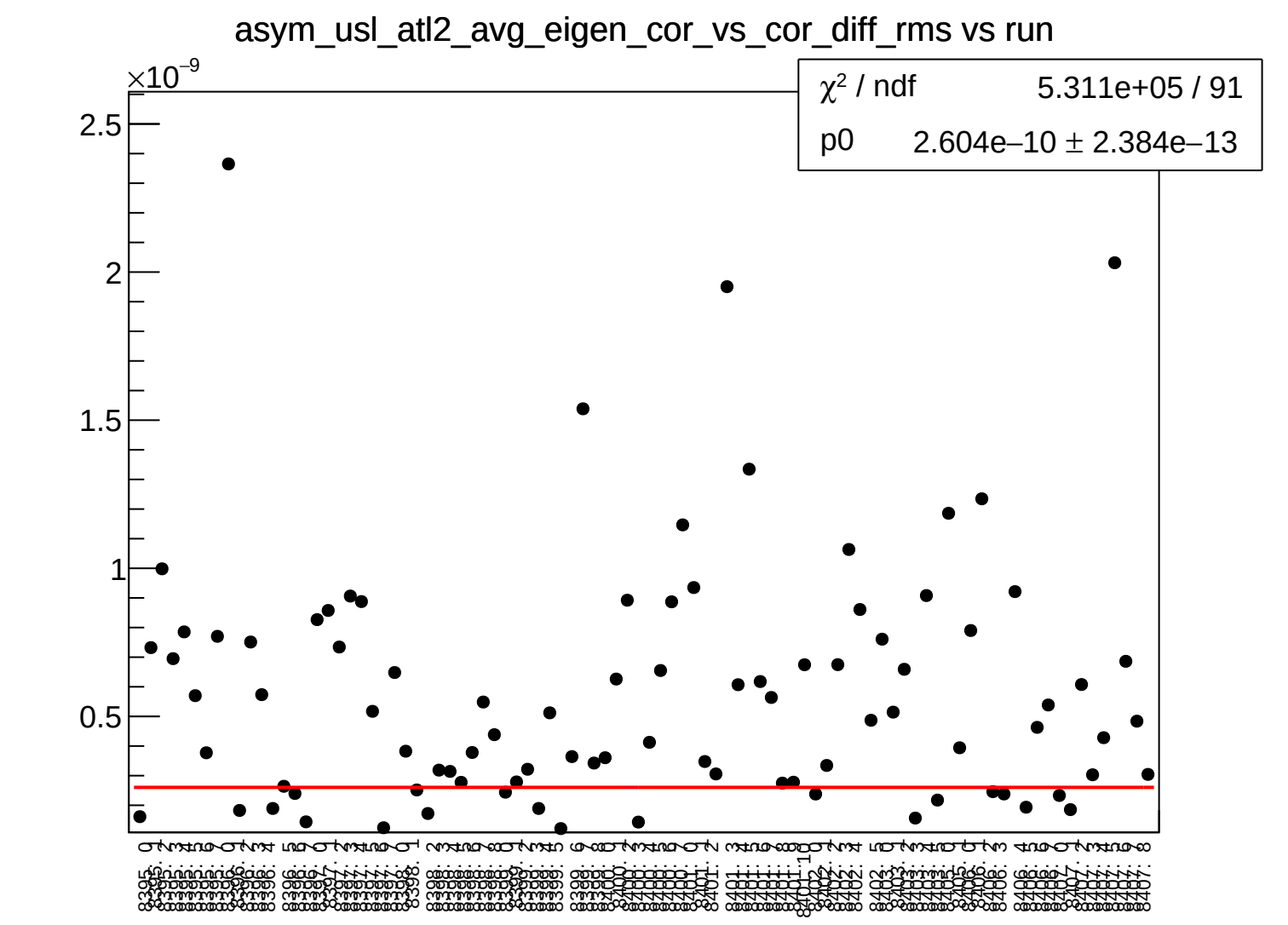

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1596 ± 0.1087
pull
Entries 92
Mean −296.4
Std Dev 0
pull1D
Entries 92
Mean −0.01305
Std Dev 1.064

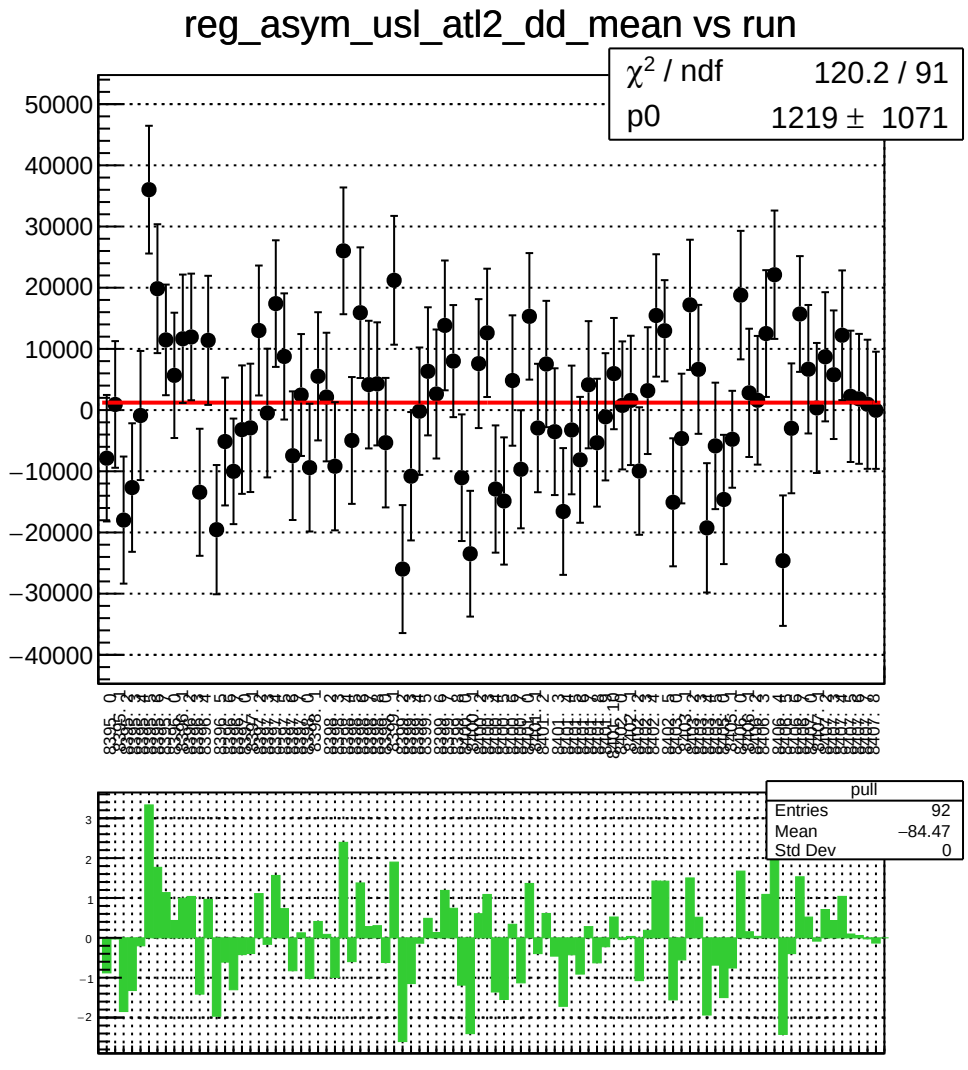

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.267e+04 / 91
p0 98.76 ± 0.07687
300
250
200
150
100
50

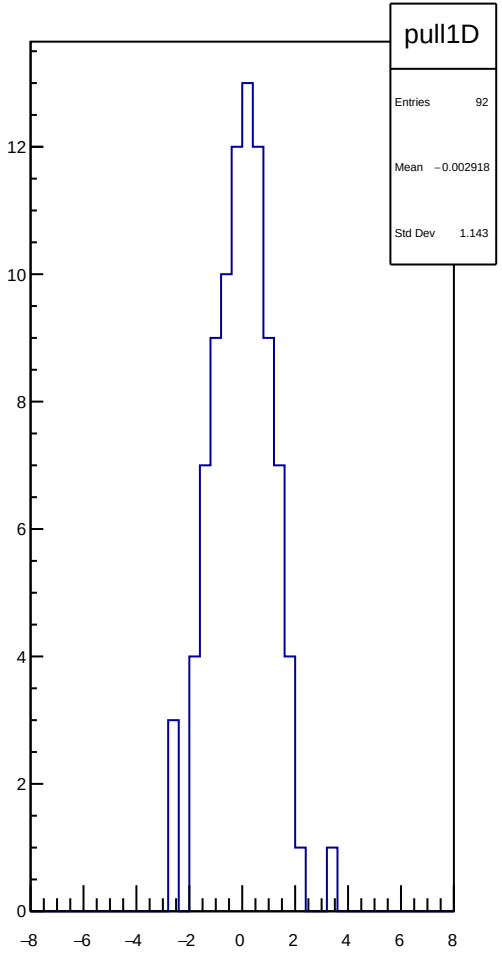

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1596 ± 0.1087
pull
Entries 92
Mean −296.4
Std Dev 0
pull1D
Entries 92
Mean −0.01305
Std Dev 1.064

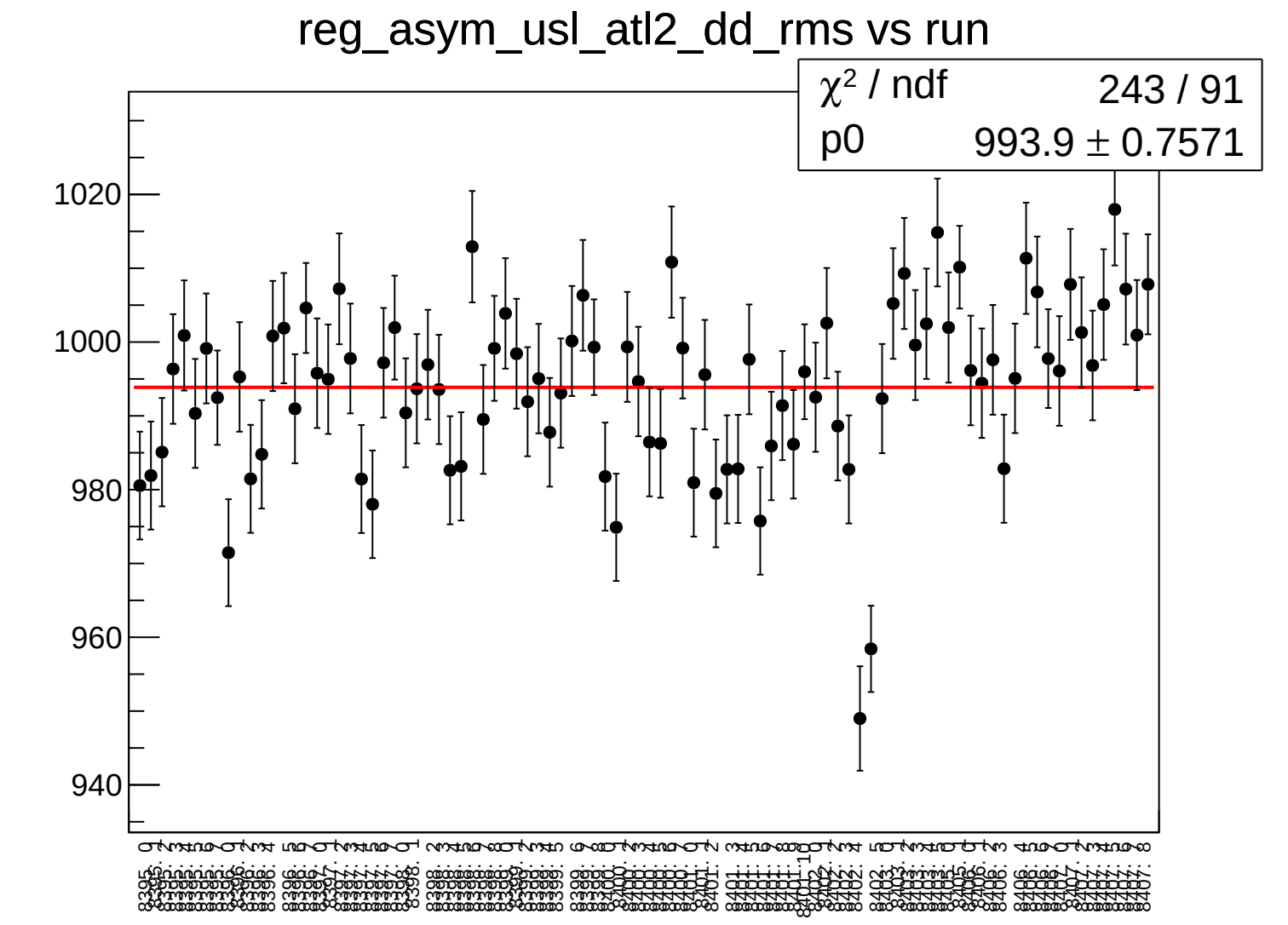

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.267e+04 / 91
p0 98.76 ± 0.07687
300
250
200
150
100
50

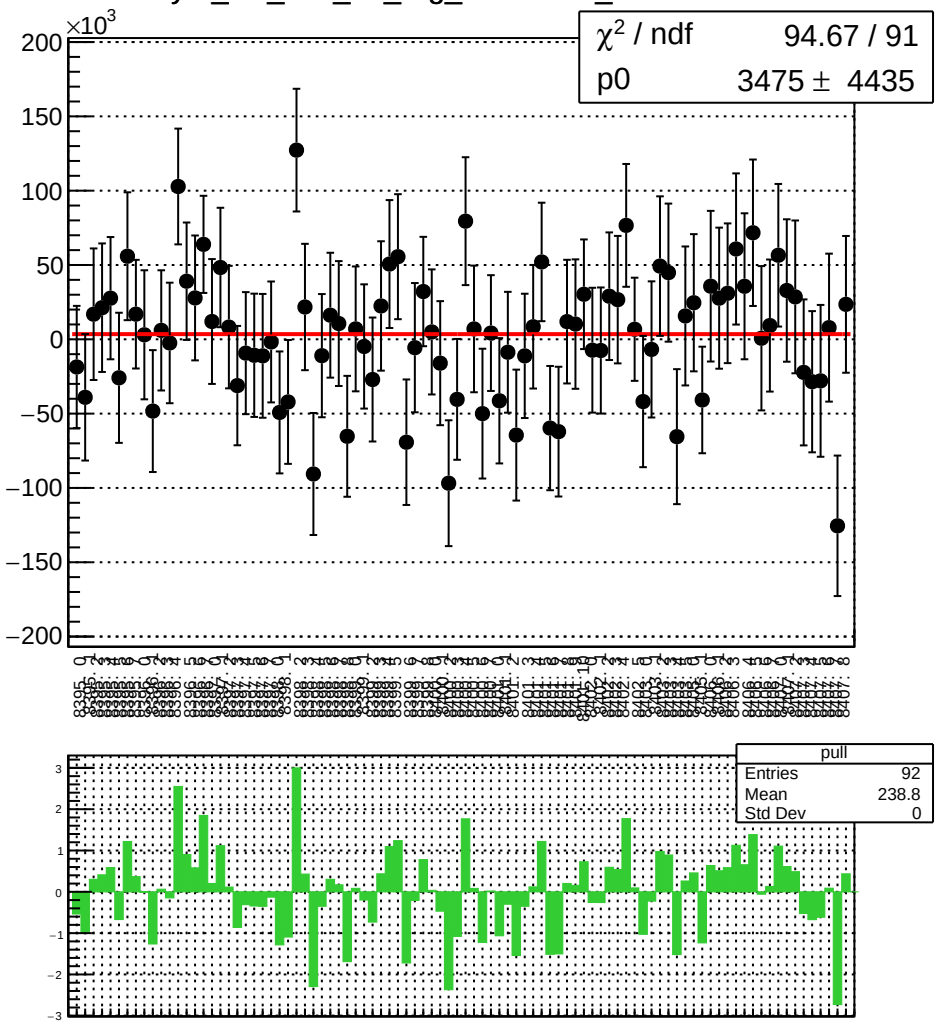

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.52 / 91
p0 1.507e−14 ± 3.372e−13
40
20
0
−20
−40
−60
pull
Entries 92
Mean 67.28
Std Dev 22.03
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.1587
Std Dev 0.9567
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

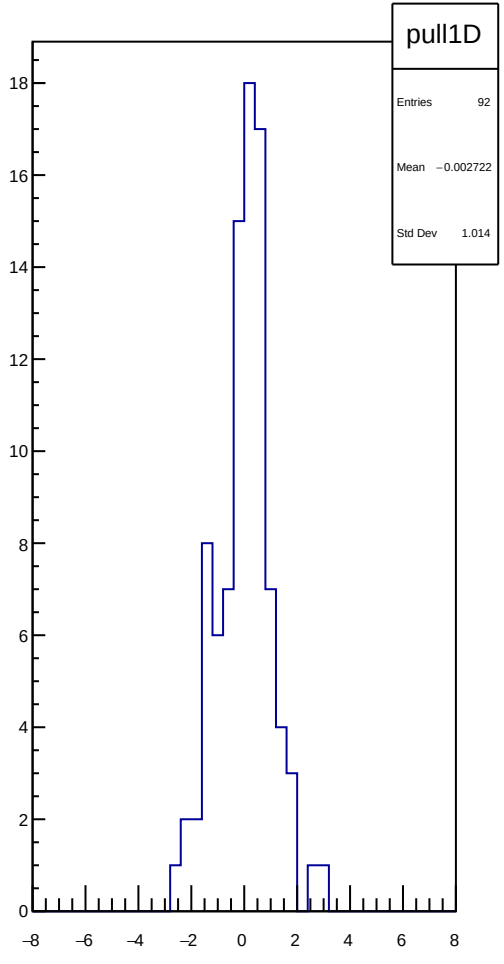

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.311e+05 / 91
p0 2.604e−10 ± 2.384e−13
2.5
2
1.5
1
0.5

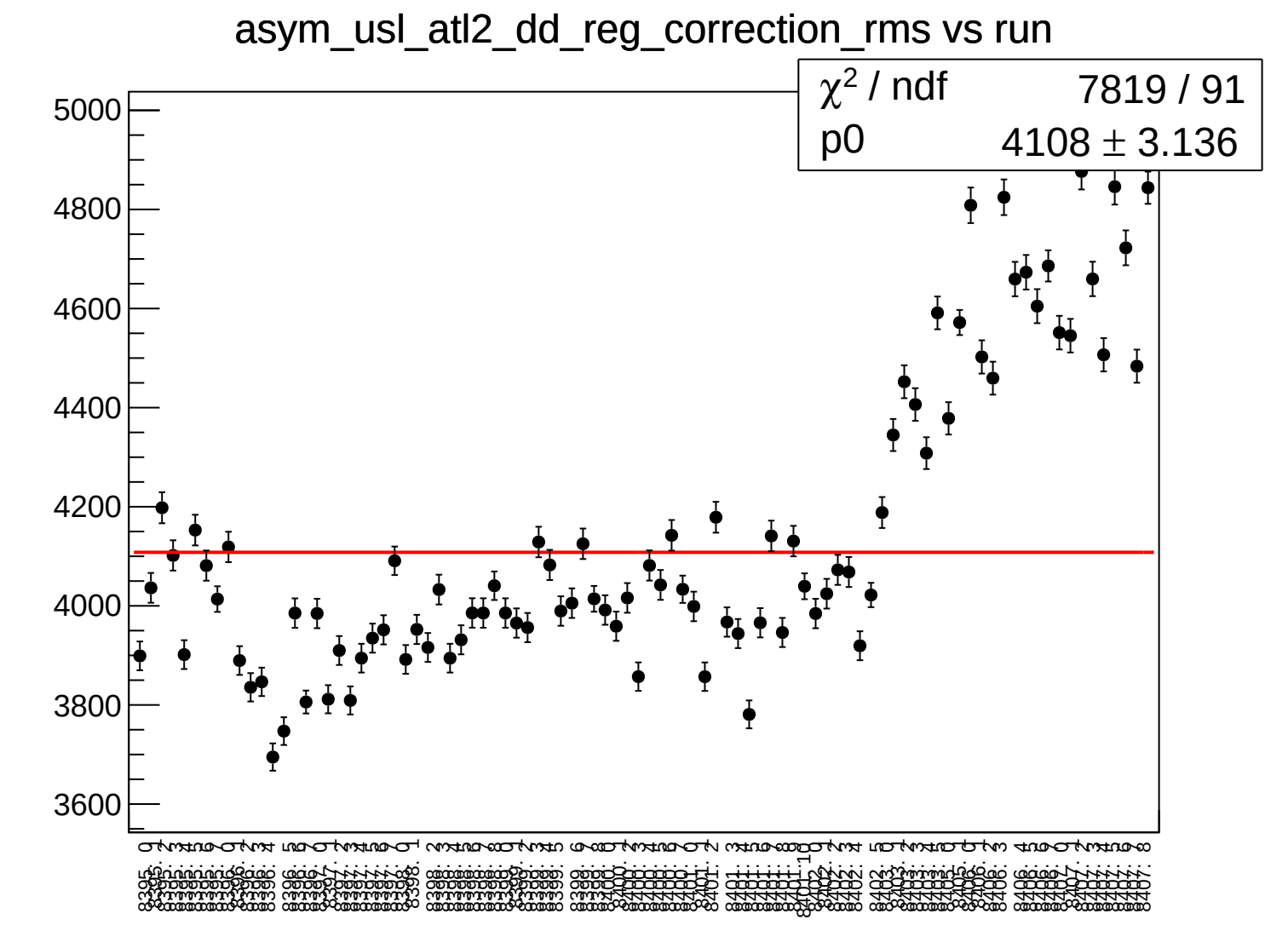

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 120.2 / 91
p0 1219 ± 1071
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean −84.47
Std Dev 0
3
2
1
0
−1
−2

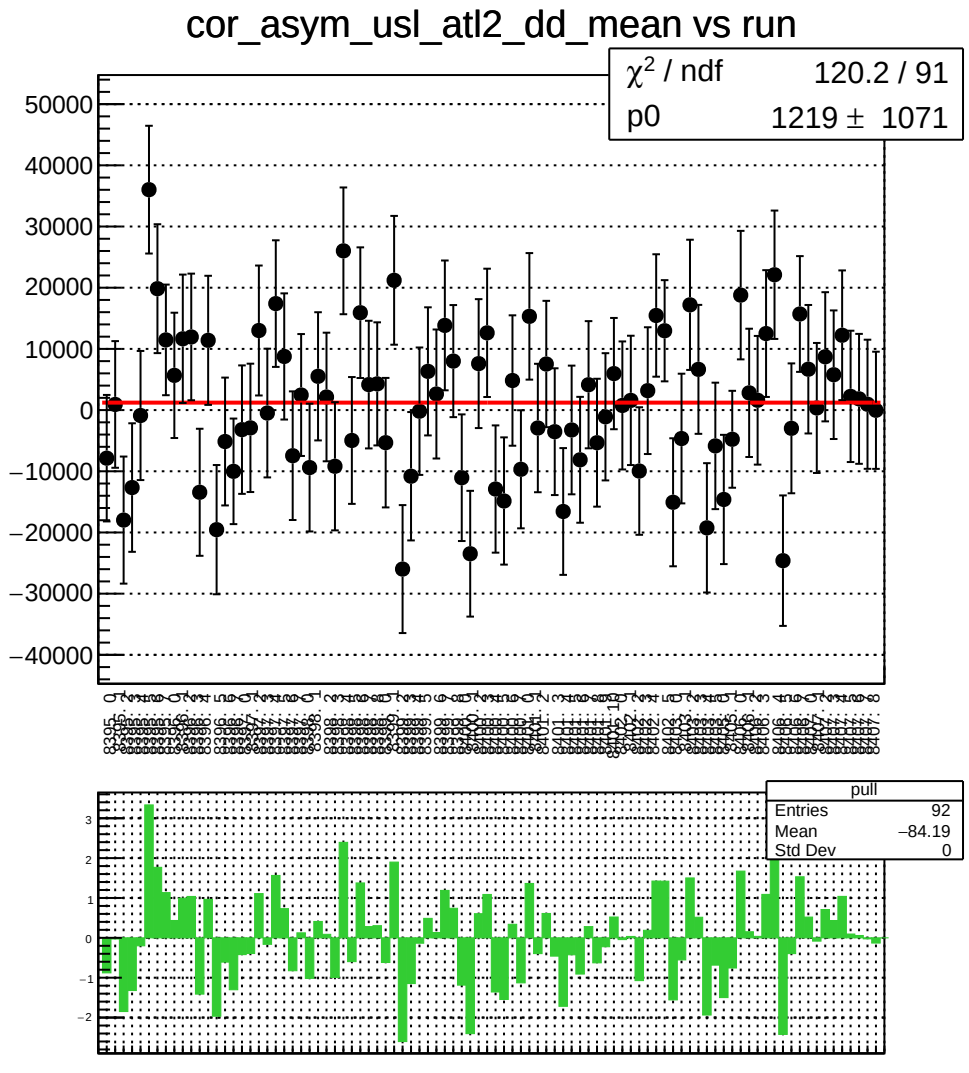

pull1D
Entries 92
Mean −0.002918
Std Dev 1.143
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

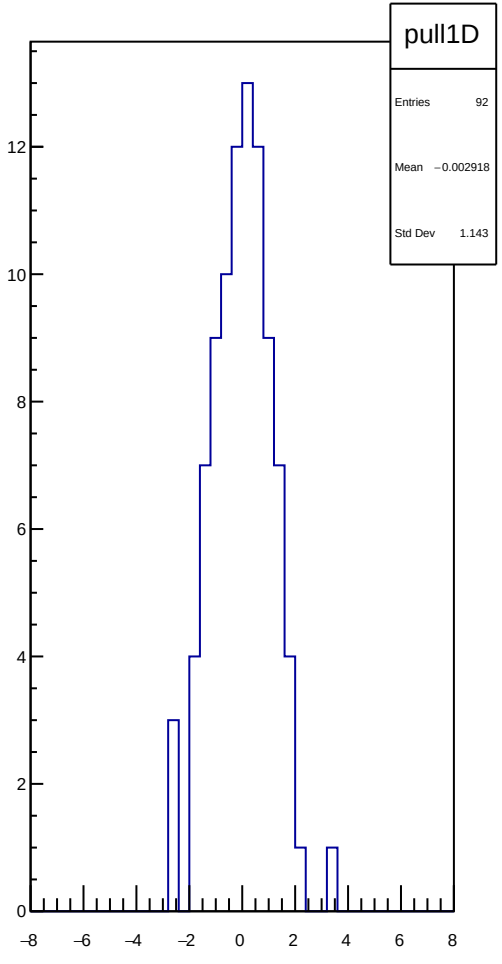

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 243 / 91
p0 993.9 ± 0.7571
1020
1000
980
960
940

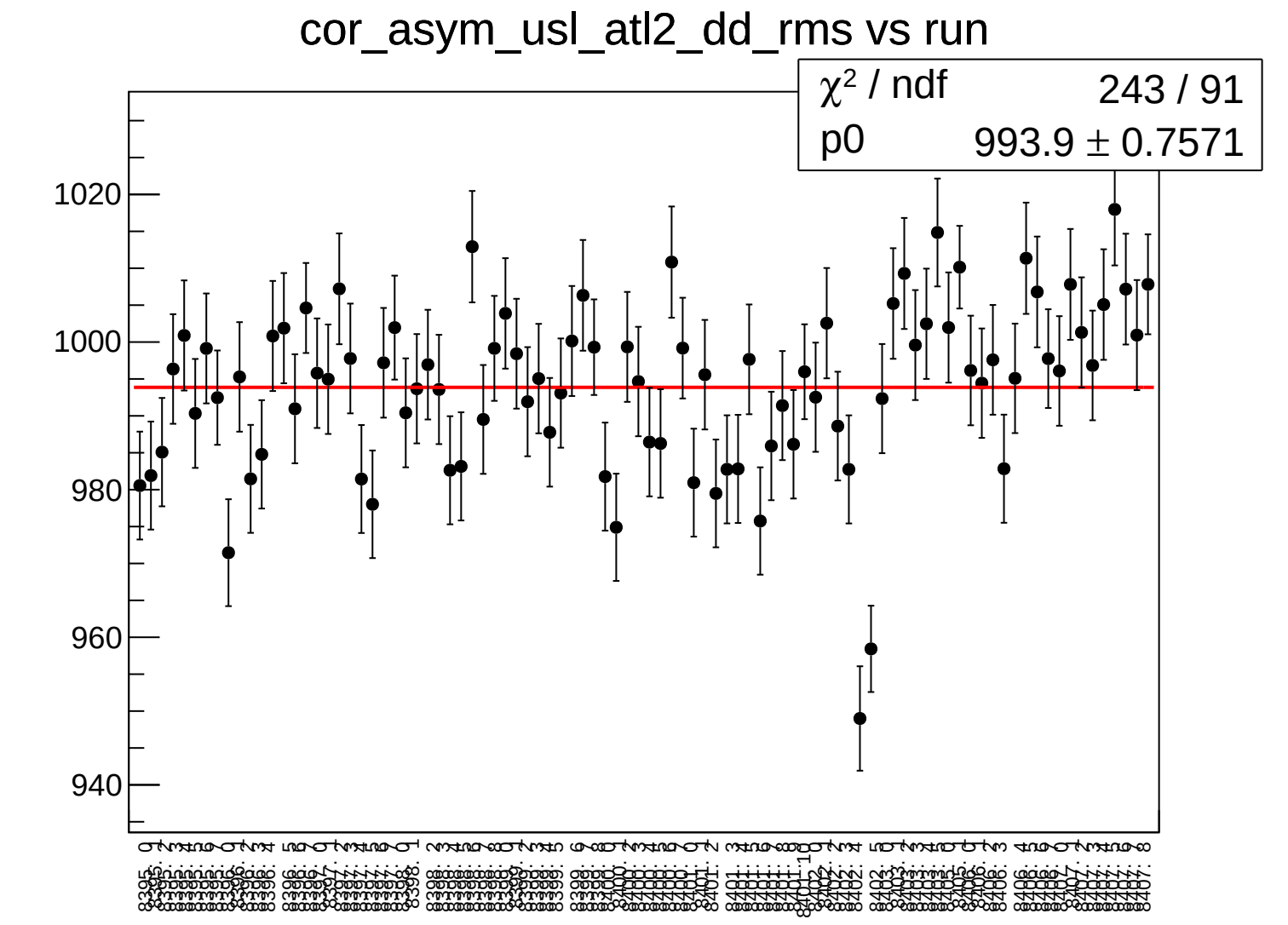

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 94.67 / 91
p0 3475 ± 4435
×10³
pull
Entries 92
Mean 238.8
Std Dev 0

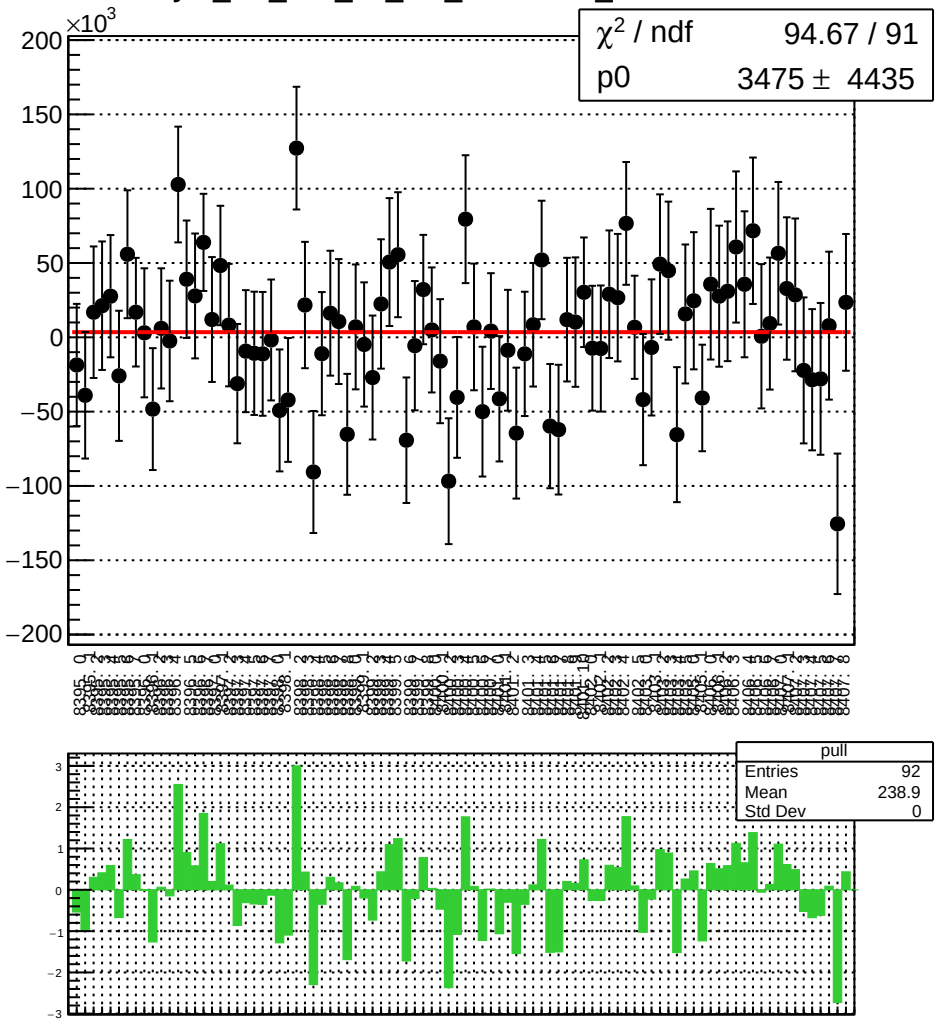

pull1D
Entries 92
Mean −0.002722
Std Dev 1.014

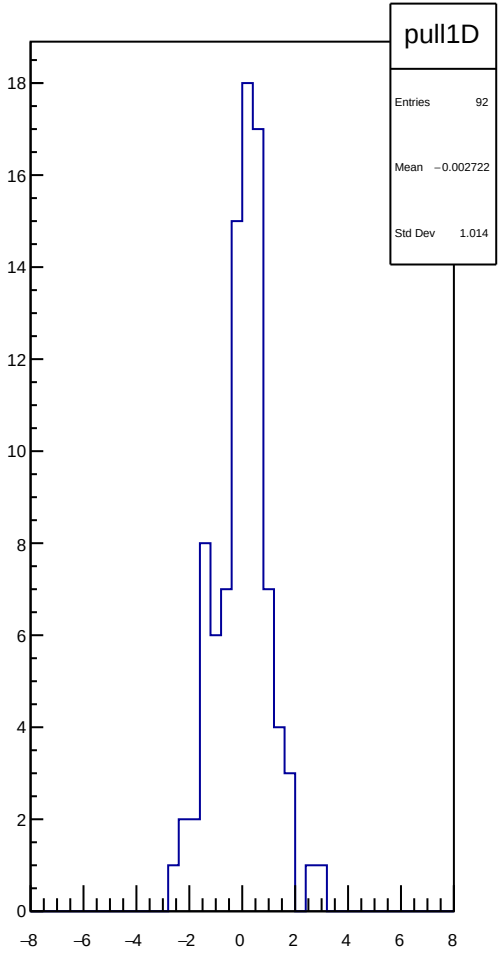

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 7819 / 91
p0 4108 ± 3.136
5000
4800
4600
4400
4200
4000
3800
3600

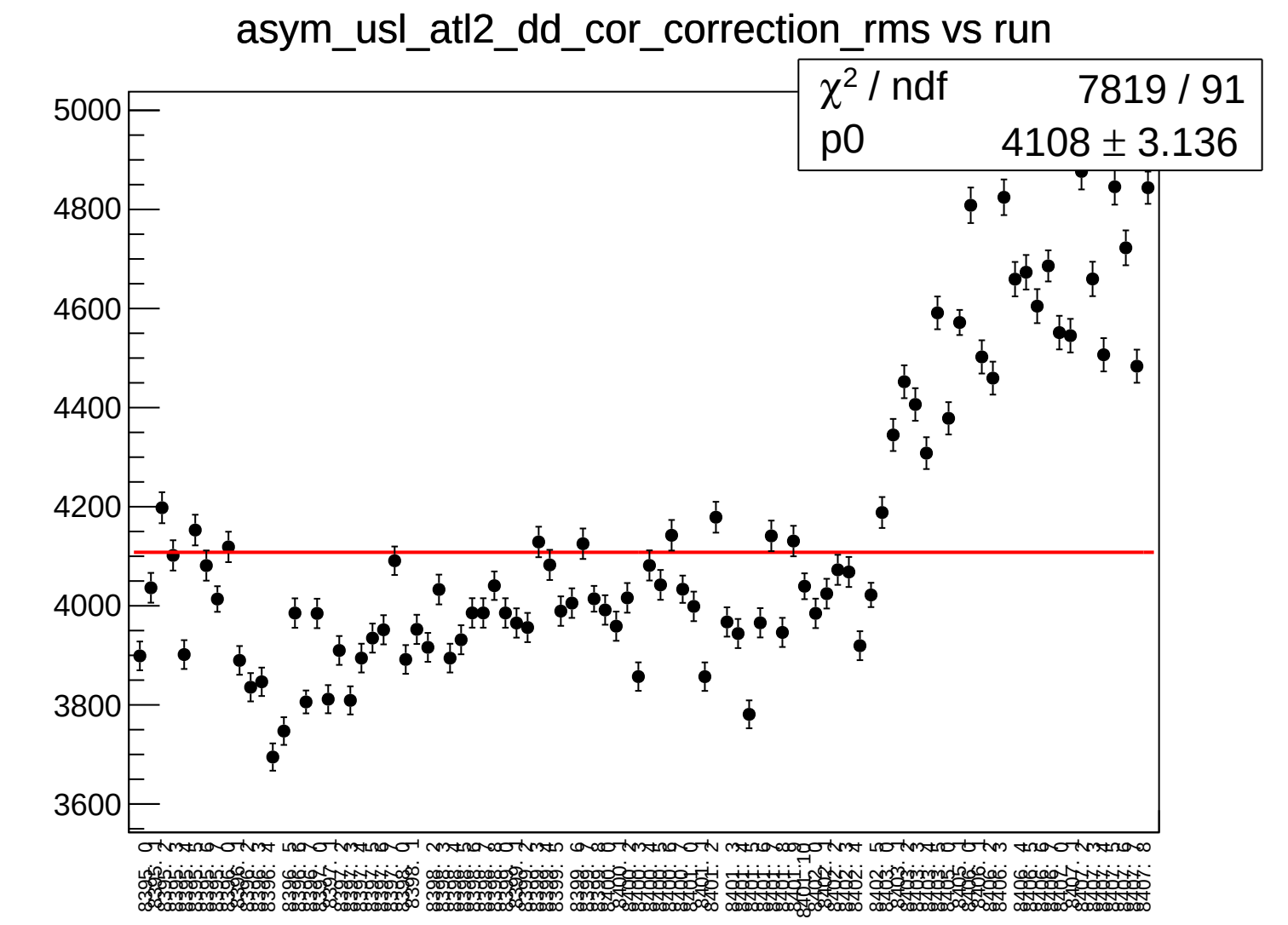

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 120.2 / 91
p0 1219 ± 1071
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean −84.19
Std Dev 0
3
2
1
0
−1
−2

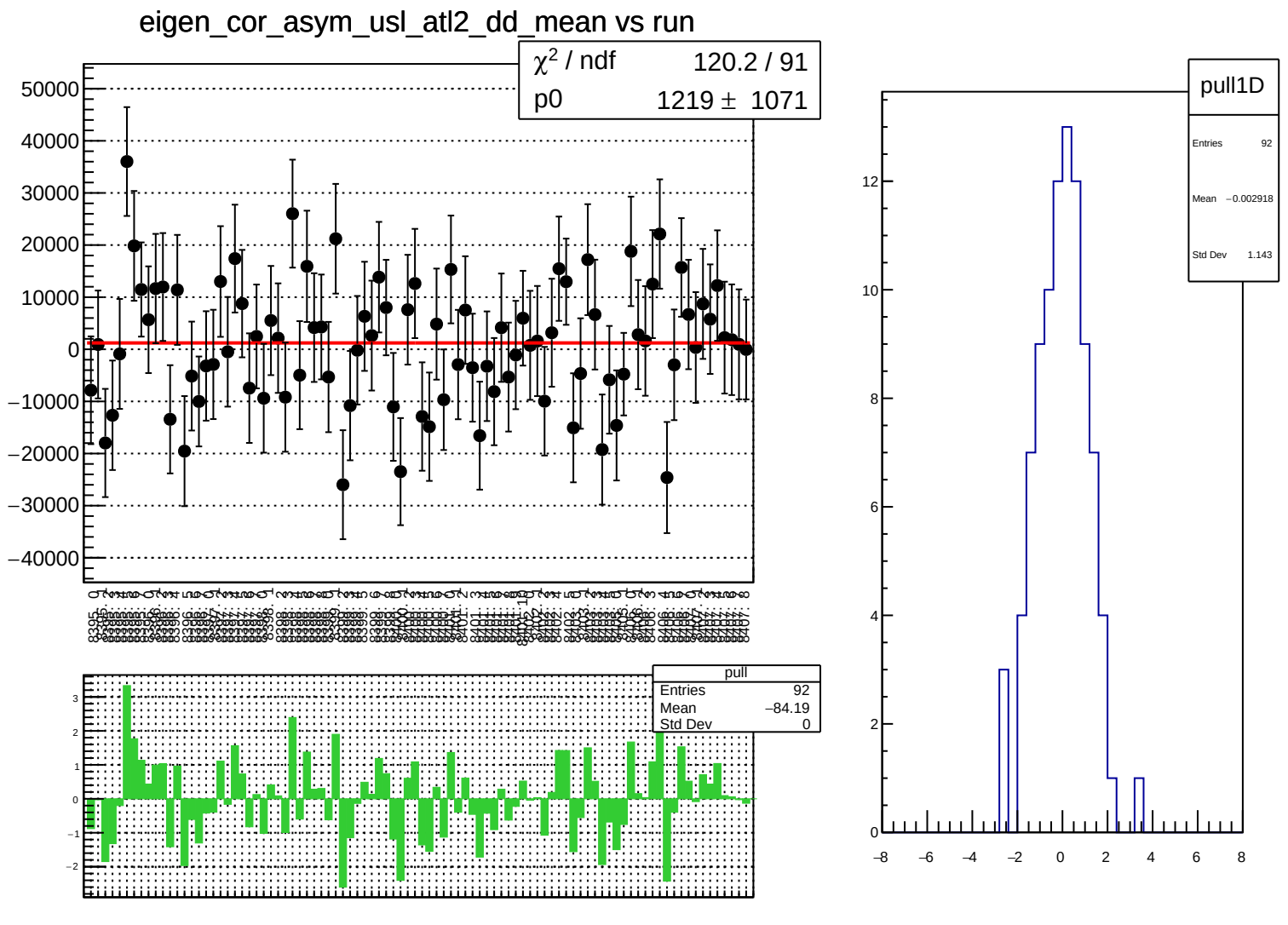

pull1D
Entries 92
Mean −0.002918
Std Dev 1.143
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

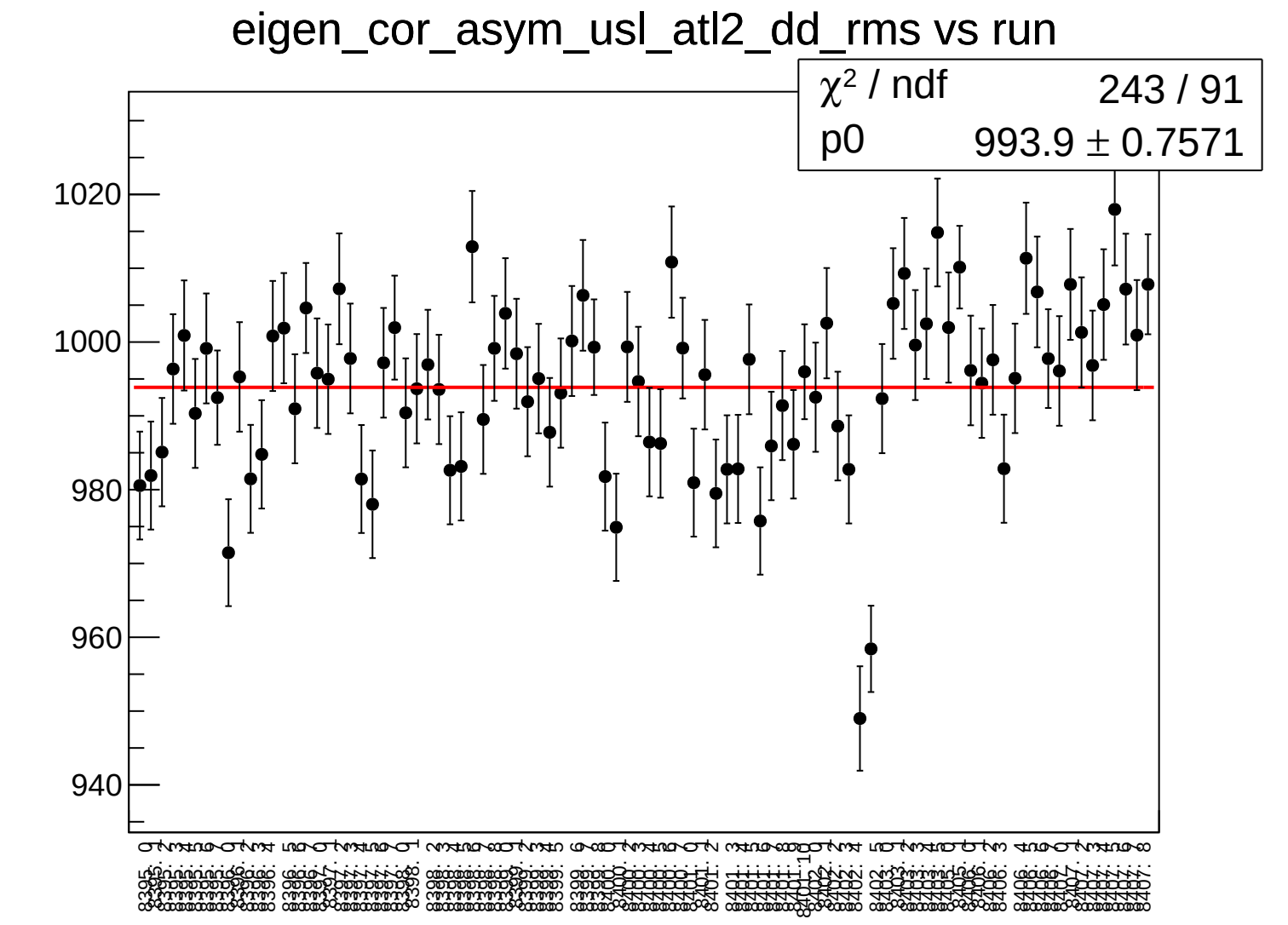

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 243 / 91
p0 993.9 ± 0.7571
1020
1000
980
960
940

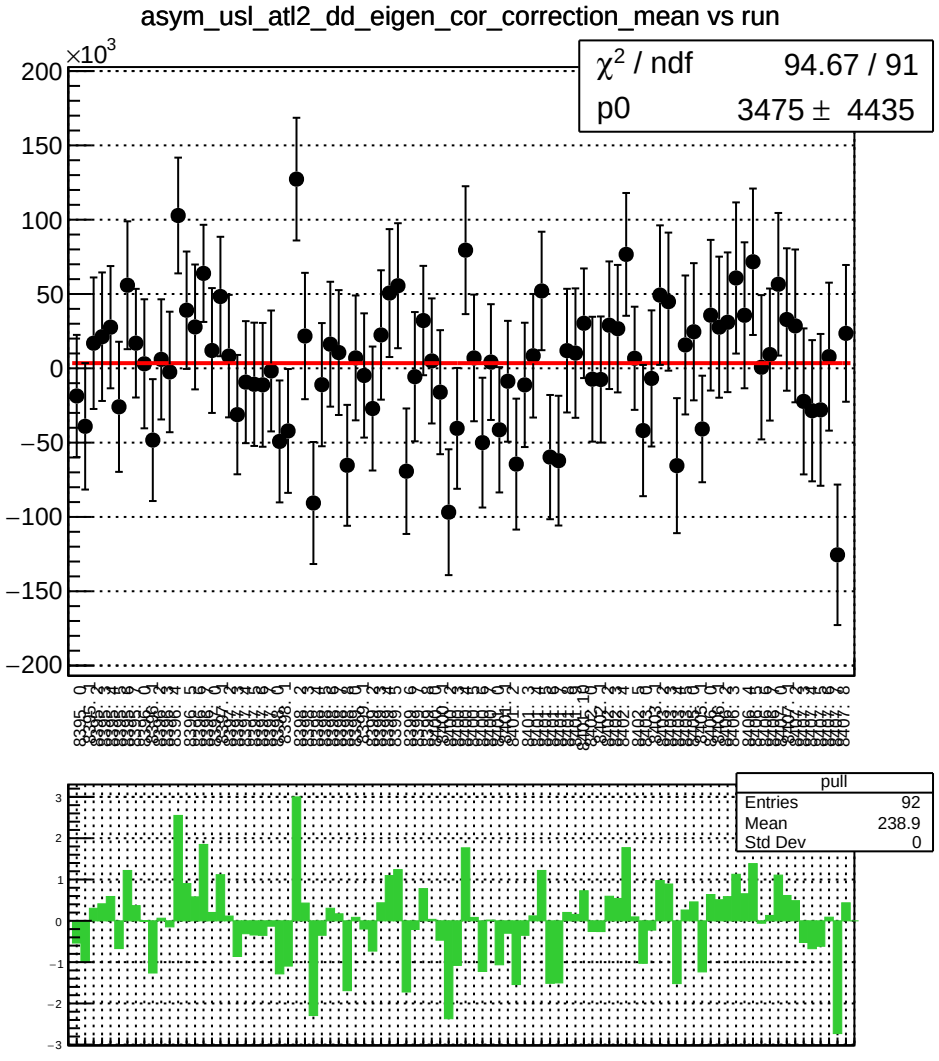

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 94.67 / 91
p0 3475 ± 4435
pull
Entries 92
Mean 238.9
Std Dev 0

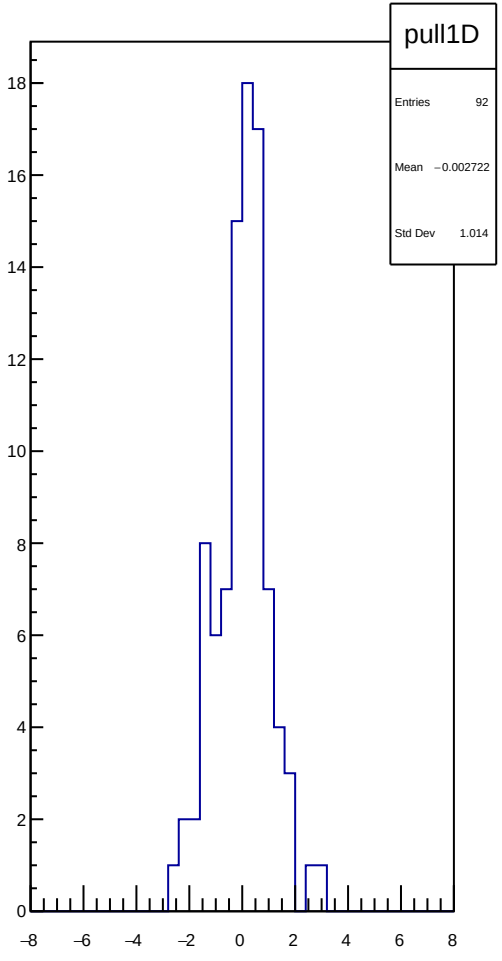

pull1D
Entries 92
Mean −0.002722
Std Dev 1.014

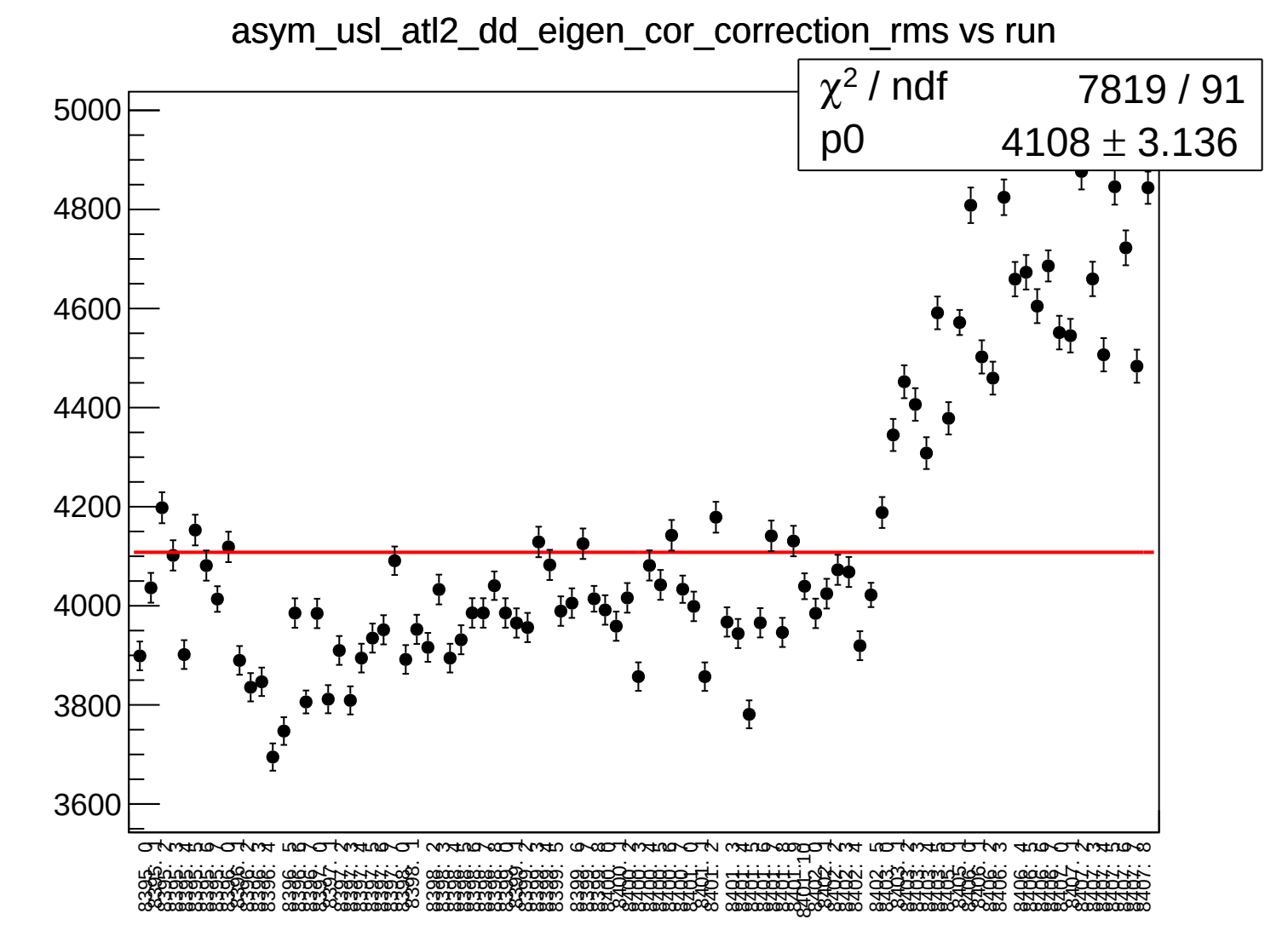

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 7819 / 91
p0 4108 ± 3.136
5000
4800
4600
4400
4200
4000
3800
3600

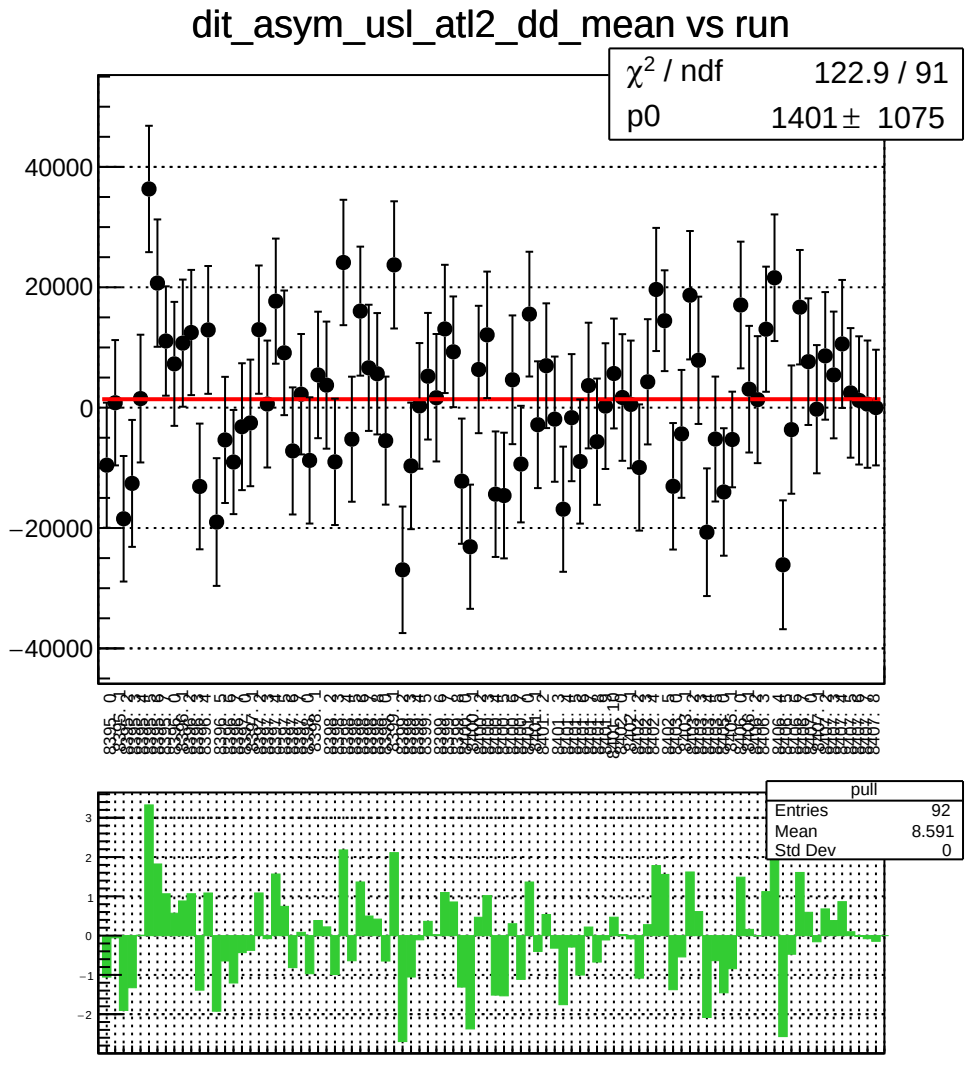

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 120.2 / 91
p0 1219 ± 1071
pull
Entries 92
Mean −84.19
Std Dev 0
pull1D
Entries 92
Mean −0.002918
Std Dev 1.143

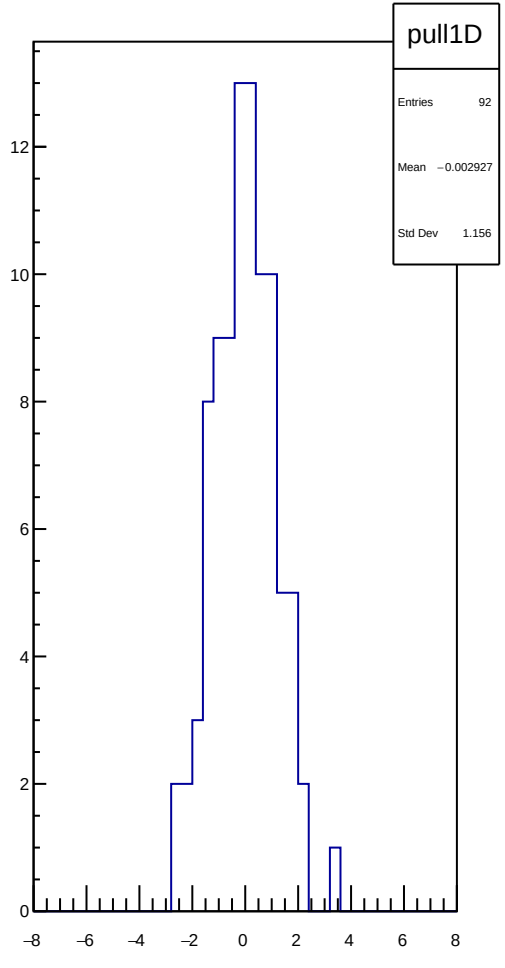

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 243 / 91
p0 993.9 ± 0.7571
1020
1000
980
960
940

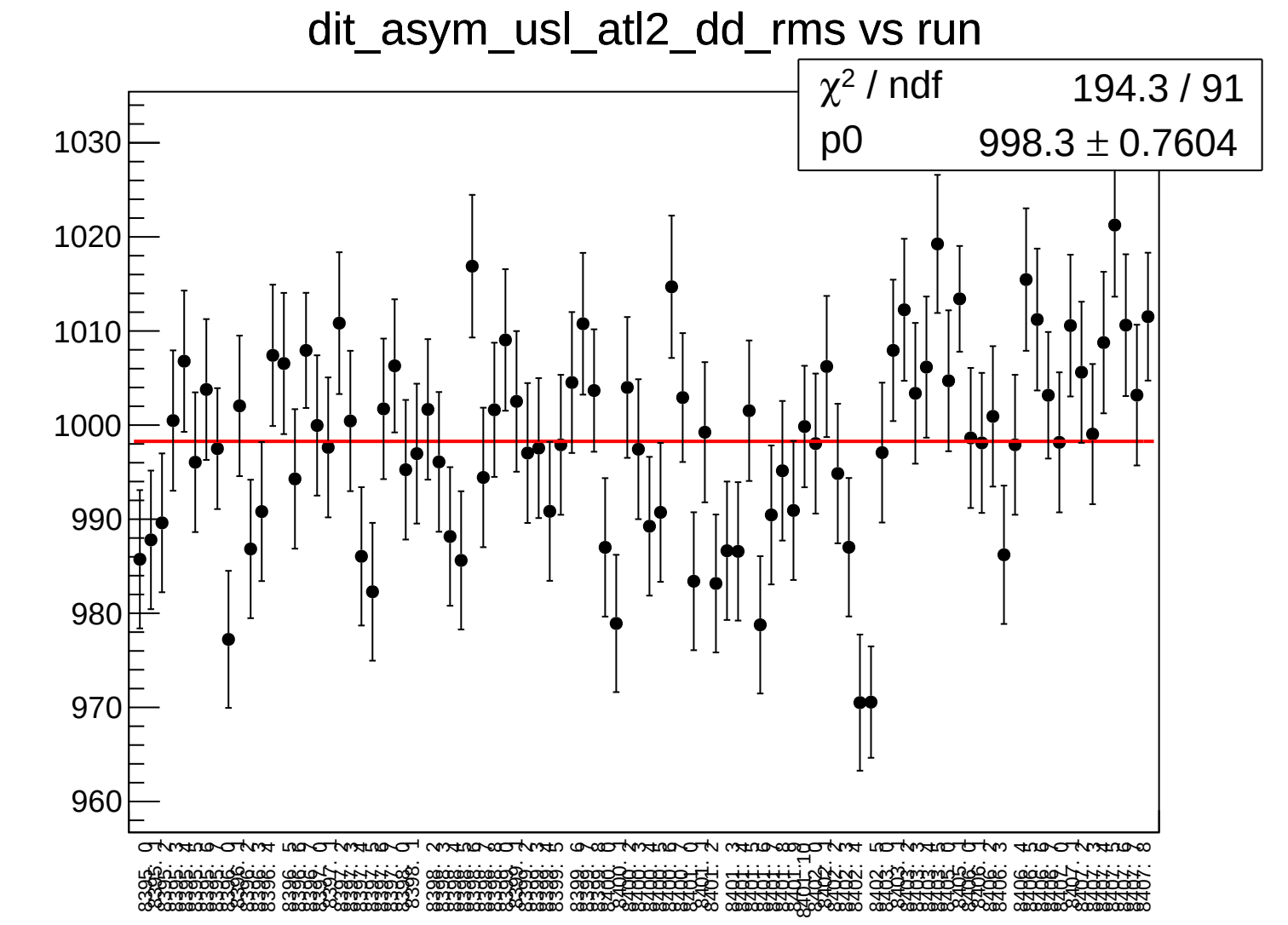

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 94.67 / 91
p0 3475 ± 4435
pull
Entries 92
Mean 238.9
Std Dev 0

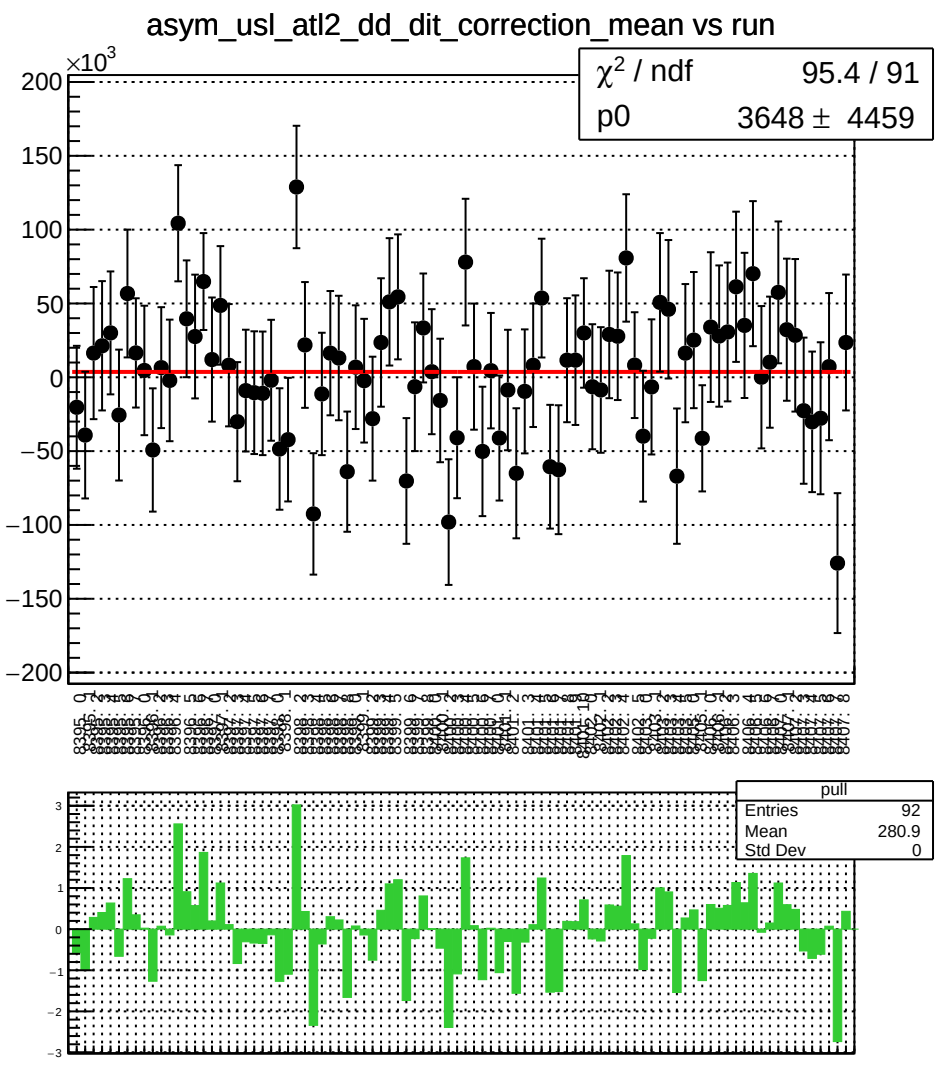

pull1D
Entries 92
Mean −0.002722
Std Dev 1.014

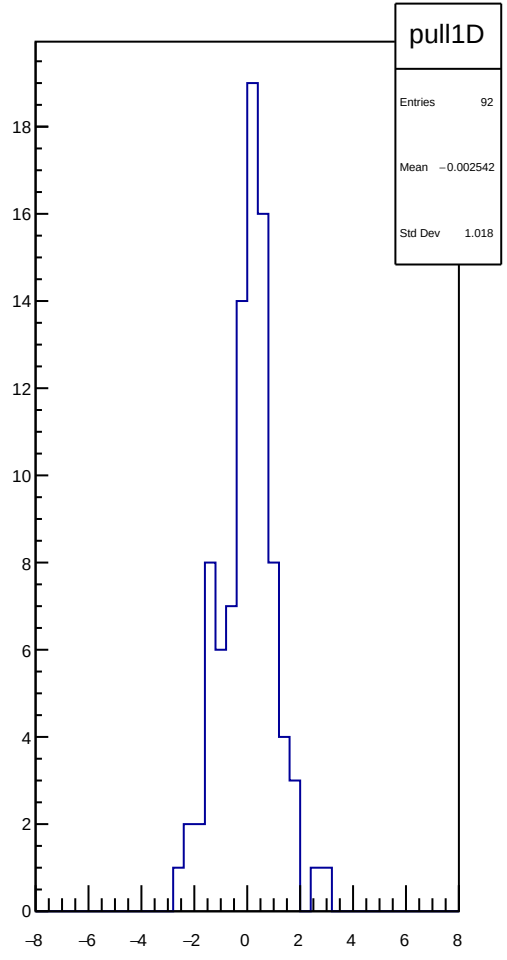

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 7819 / 91
p0 4108 ± 3.136
5000
4800
4600
4400
4200
4000
3800
3600

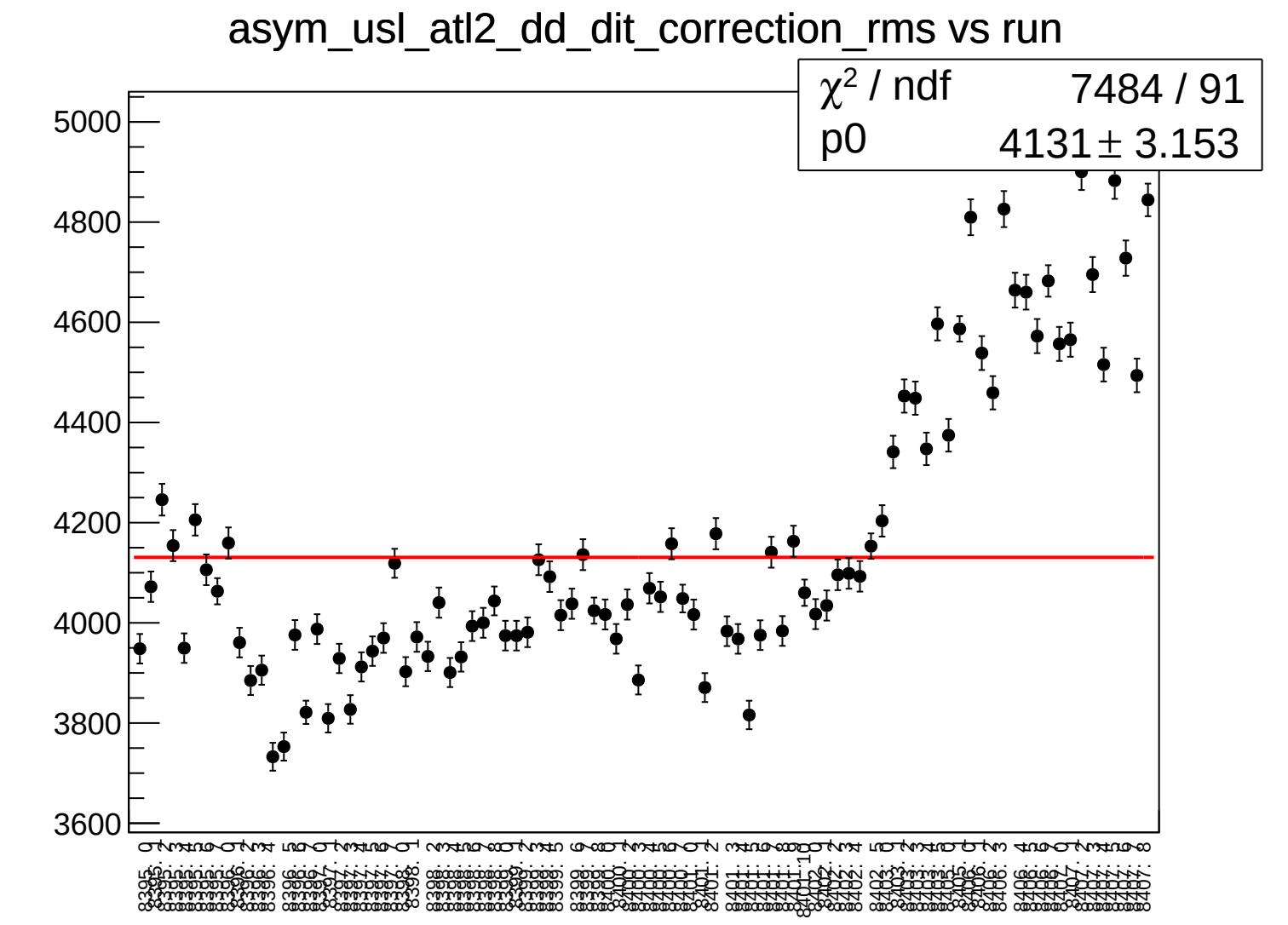

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 122.9 / 91
p0 1401 ± 1075
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 8.591
Std Dev 0
3
2
1
0
−1
−2

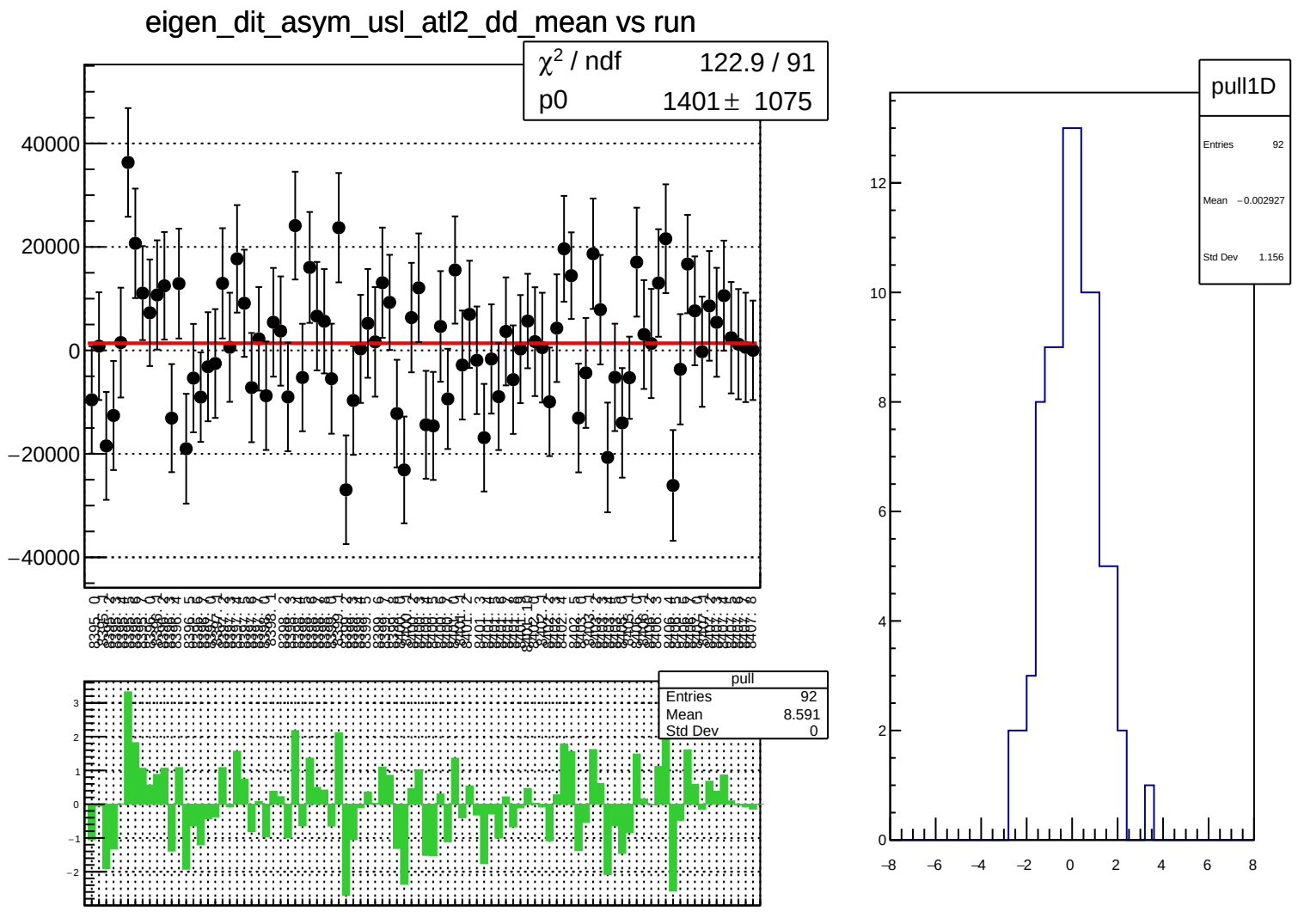

pull1D
Entries 92
Mean −0.002927
Std Dev 1.156
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

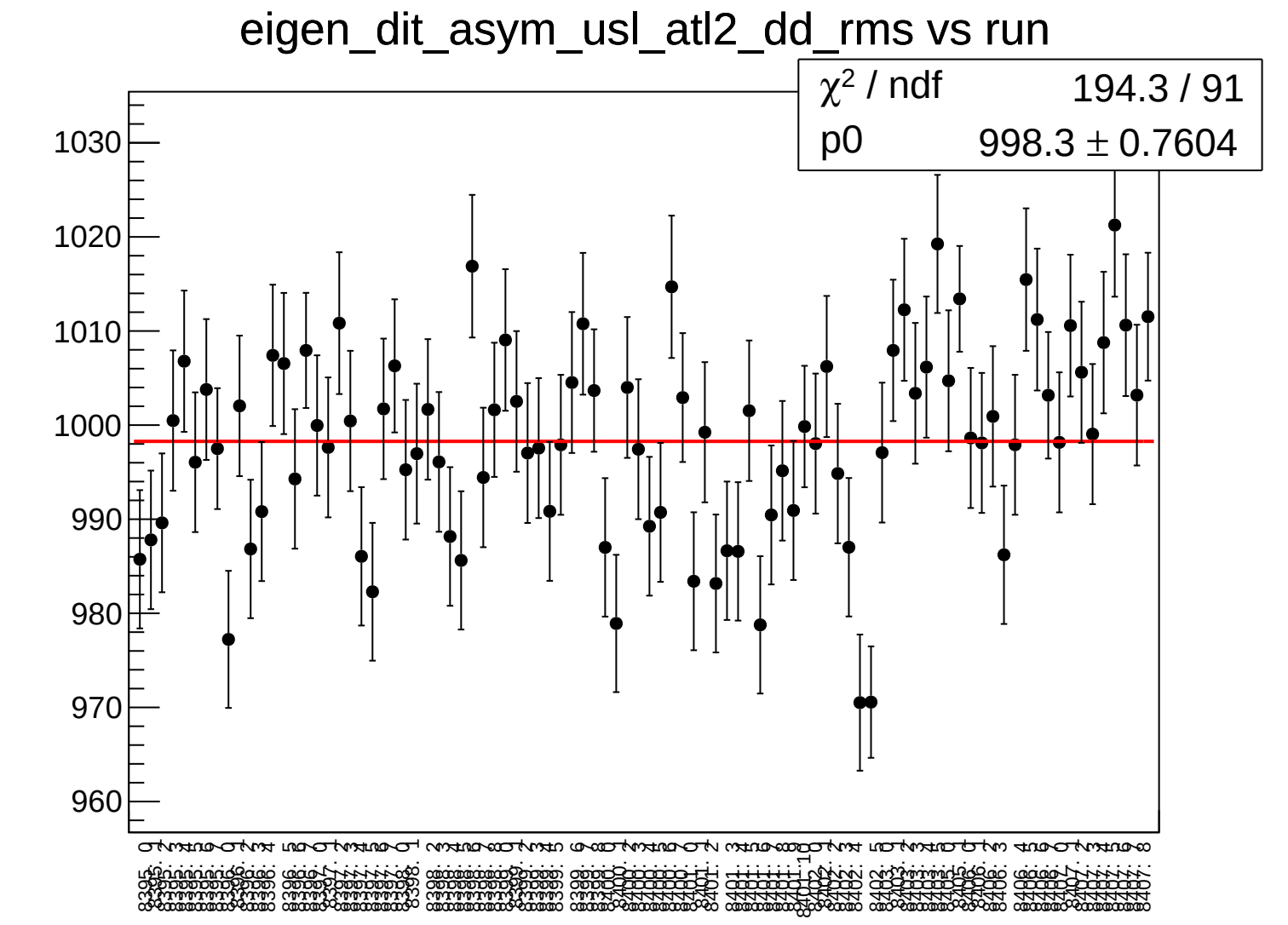

dit_asym_usl_atl2_dd_rms vs run
$\chi^2$ / ndf 194.3 / 91
p0 998.3 ± 0.7604
1030
1020
1010
1000
990
980
970
960

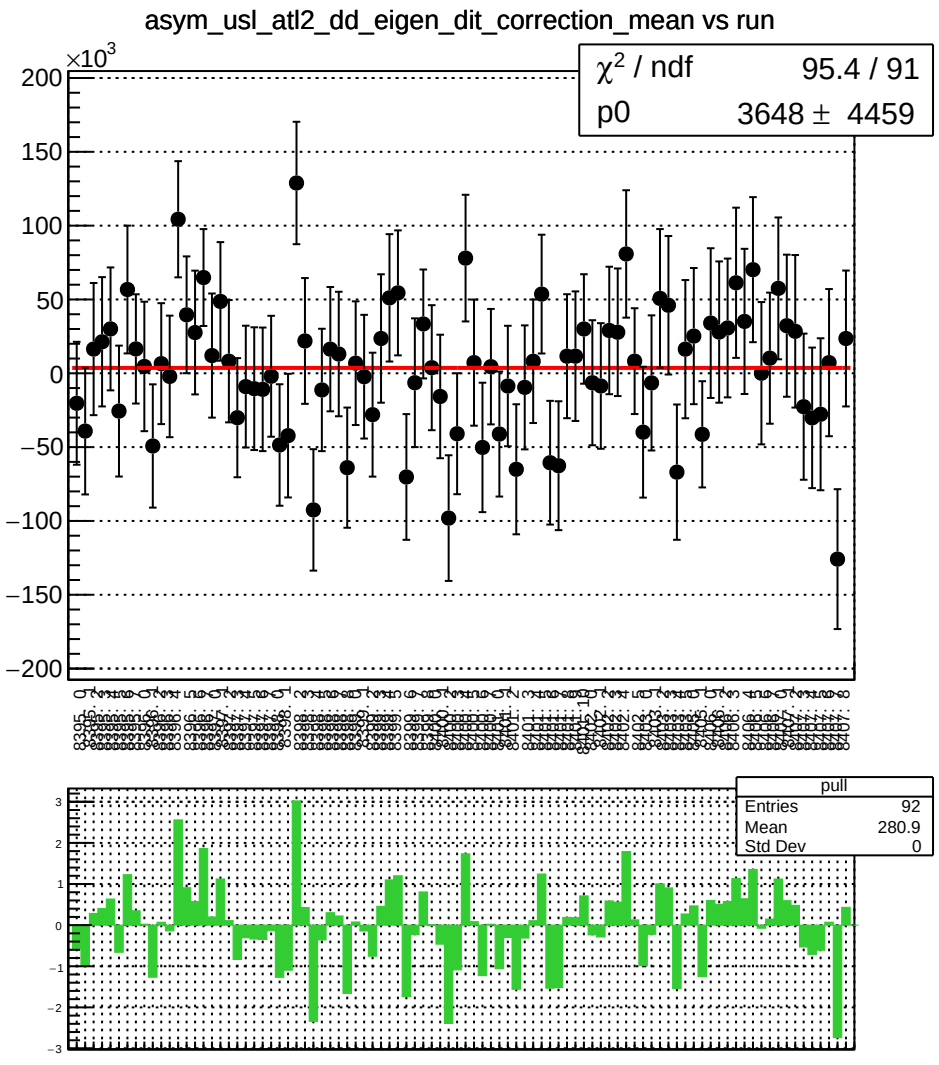

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 95.4 / 91
p0 3648 ± 4459
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 280.9
Std Dev 0
3
2
1
0
−1
−2
−3

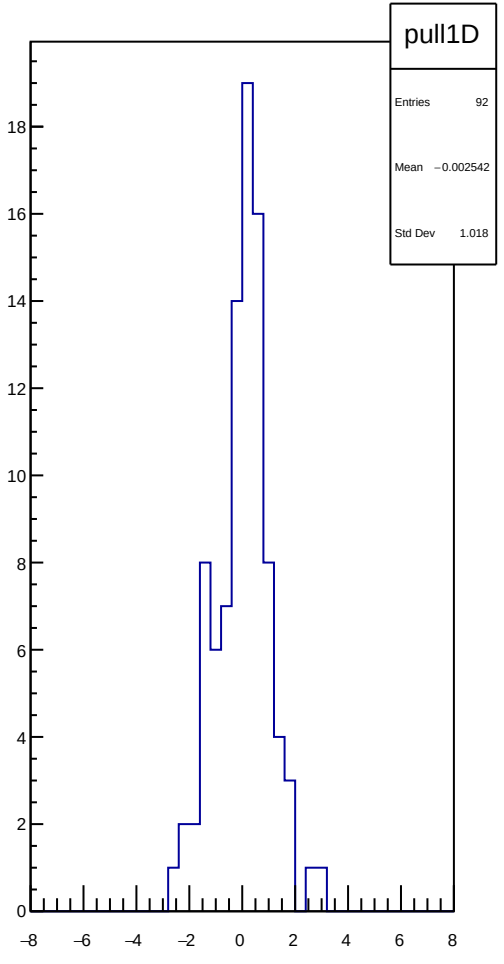

pull1D
Entries 92
Mean −0.002542
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

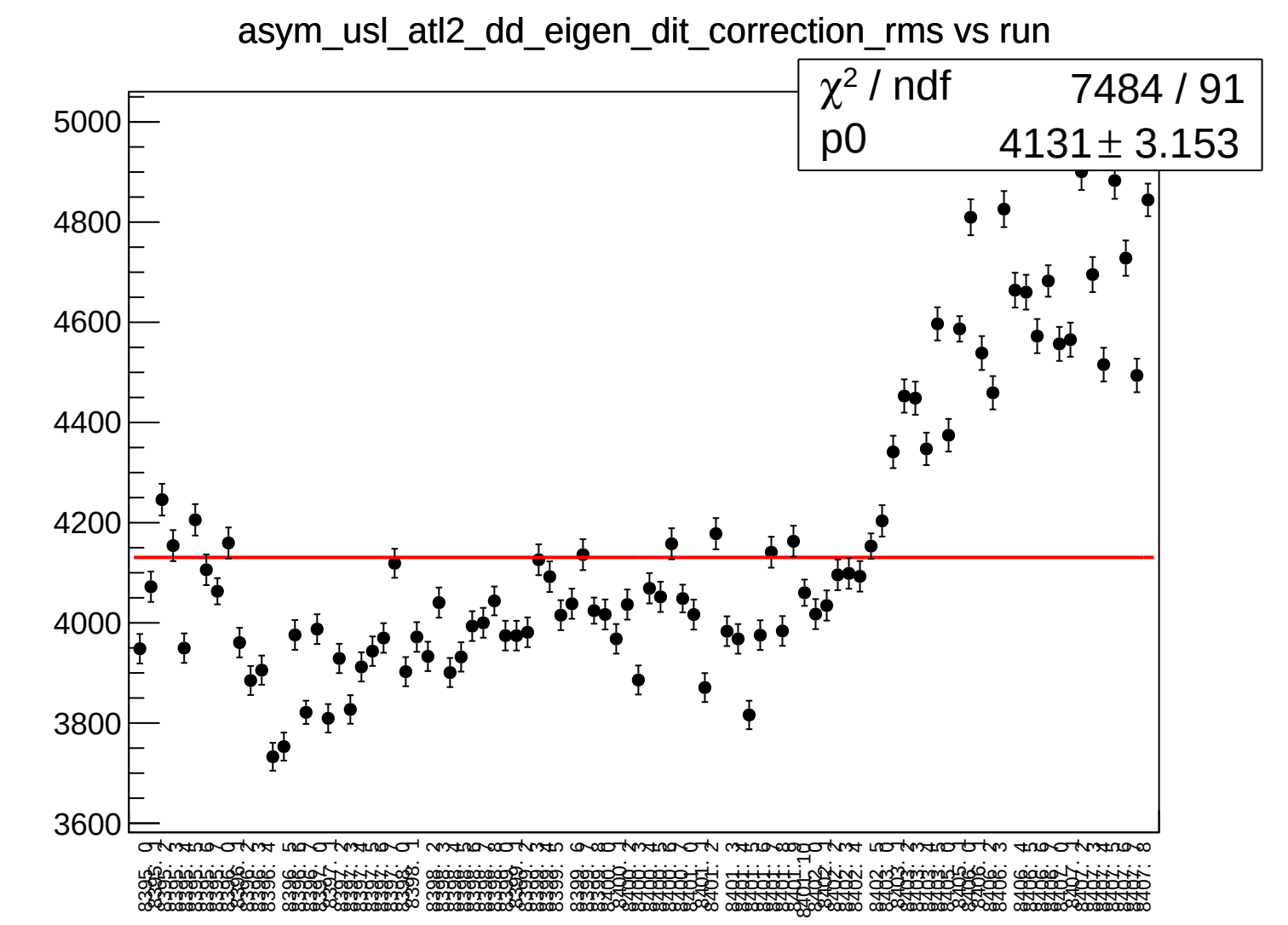

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 7484 / 91
p0 4131 ± 3.153
5000
4800
4600
4400
4200
4000
3800
3600

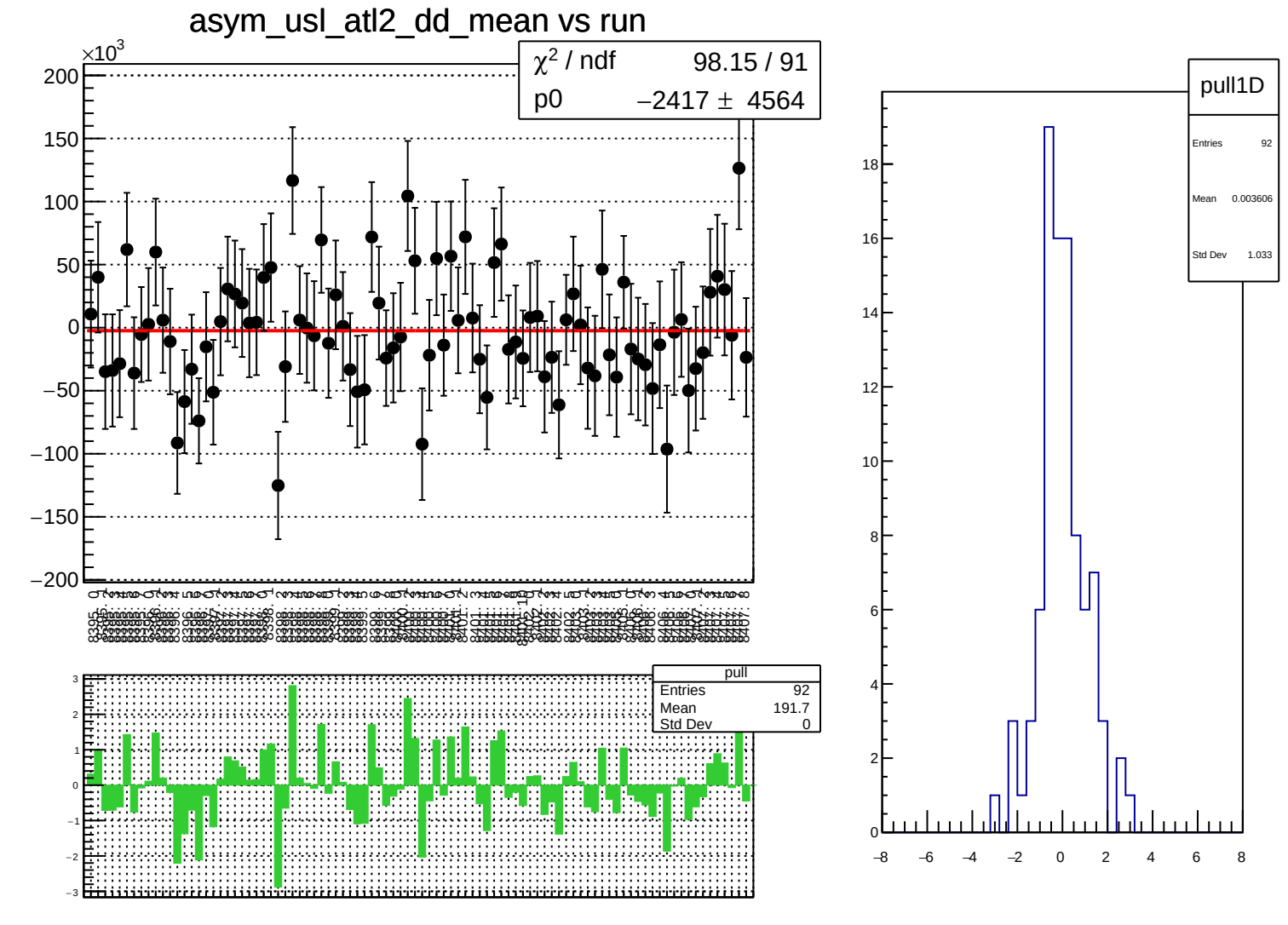

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 122.9 / 91
p0 1401 ± 1075
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 8.591
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002927
Std Dev 1.156
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

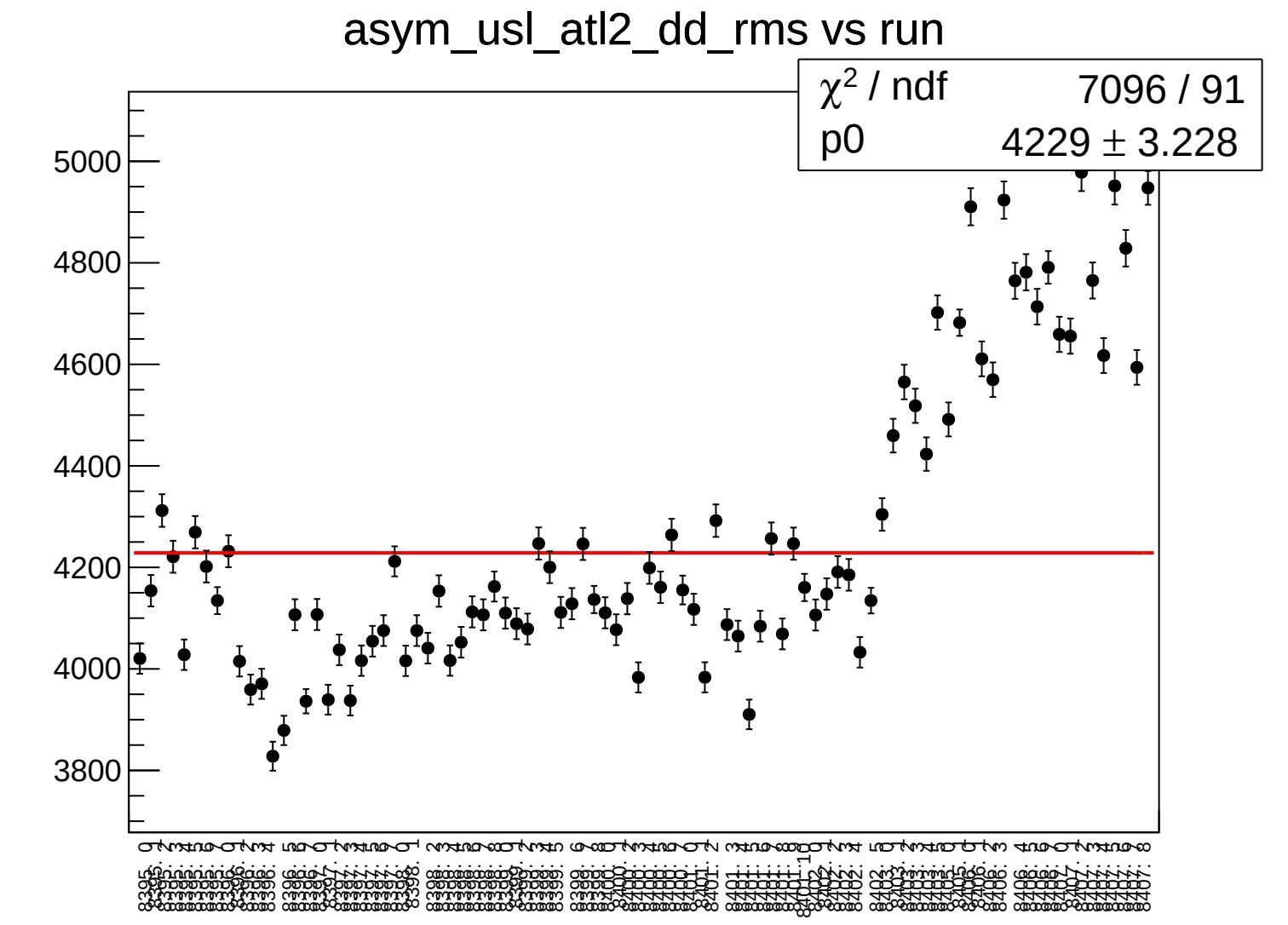

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 194.3 / 91
p0 998.3 ± 0.7604
1030
1020
1010
1000
990
980
970
960

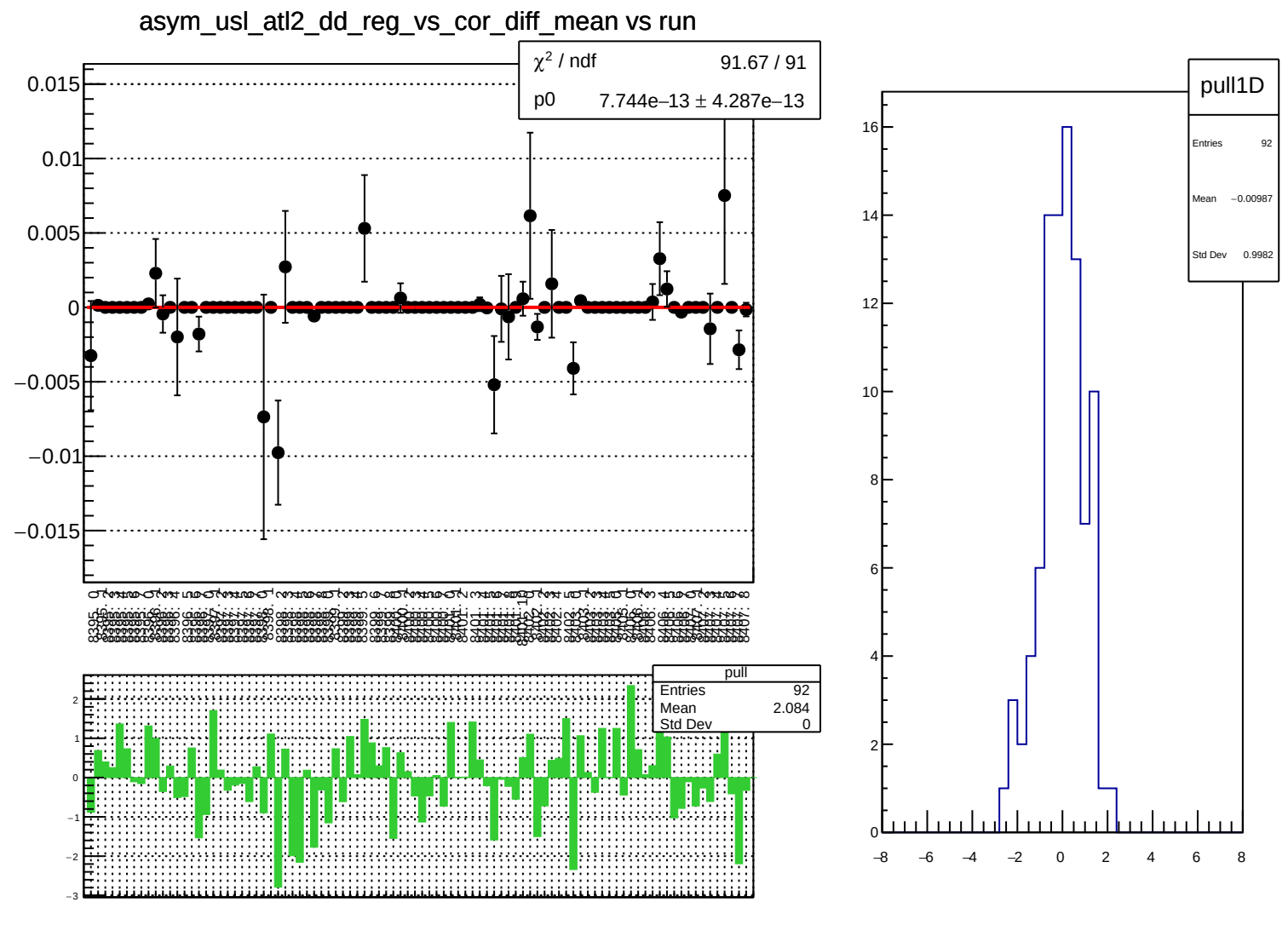

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 95.4 / 91
p0 3648 ± 4459
pull
Entries 92
Mean 280.9
Std Dev 0

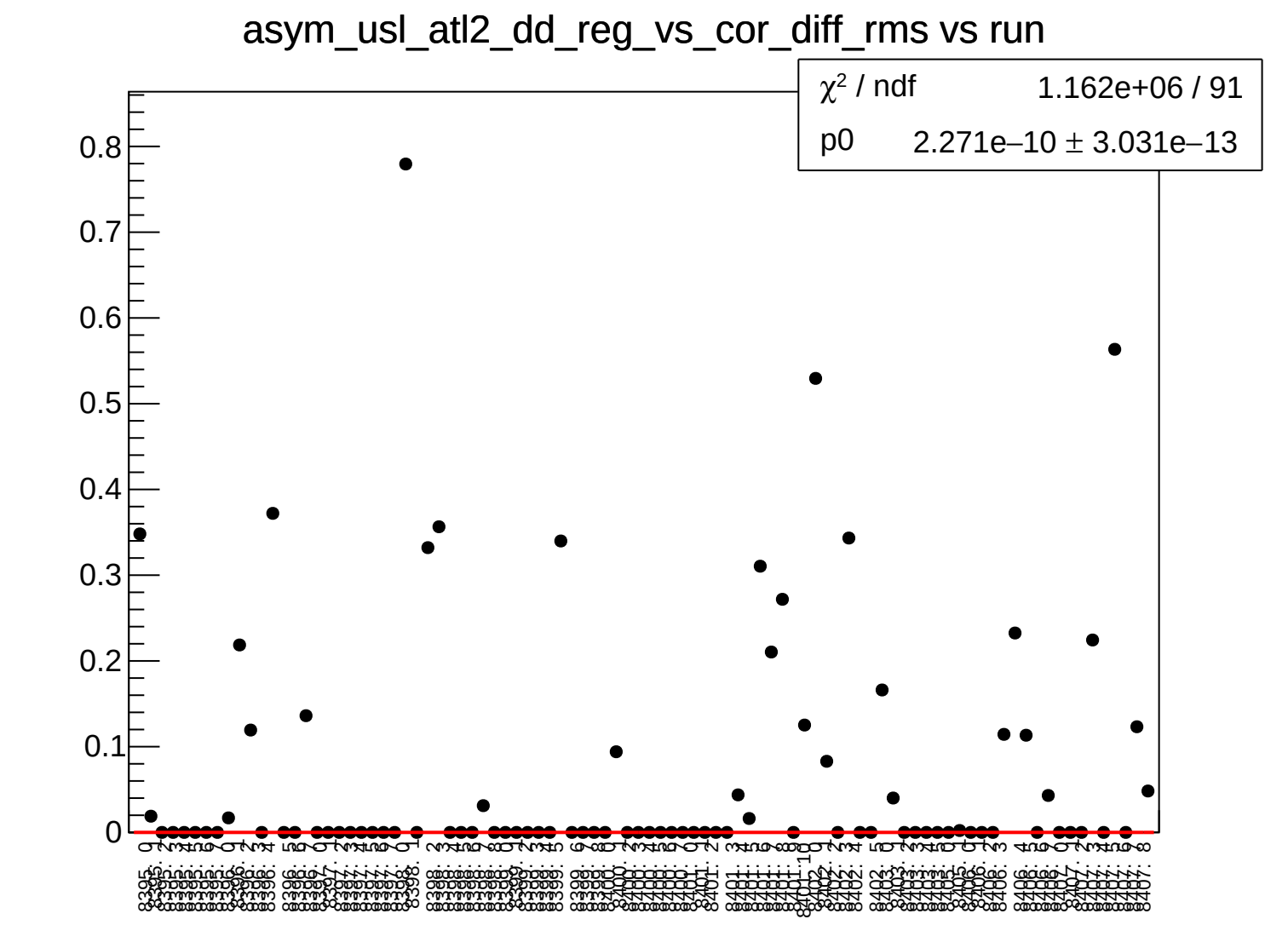

pull1D
Entries 92
Mean −0.002542
Std Dev 1.018

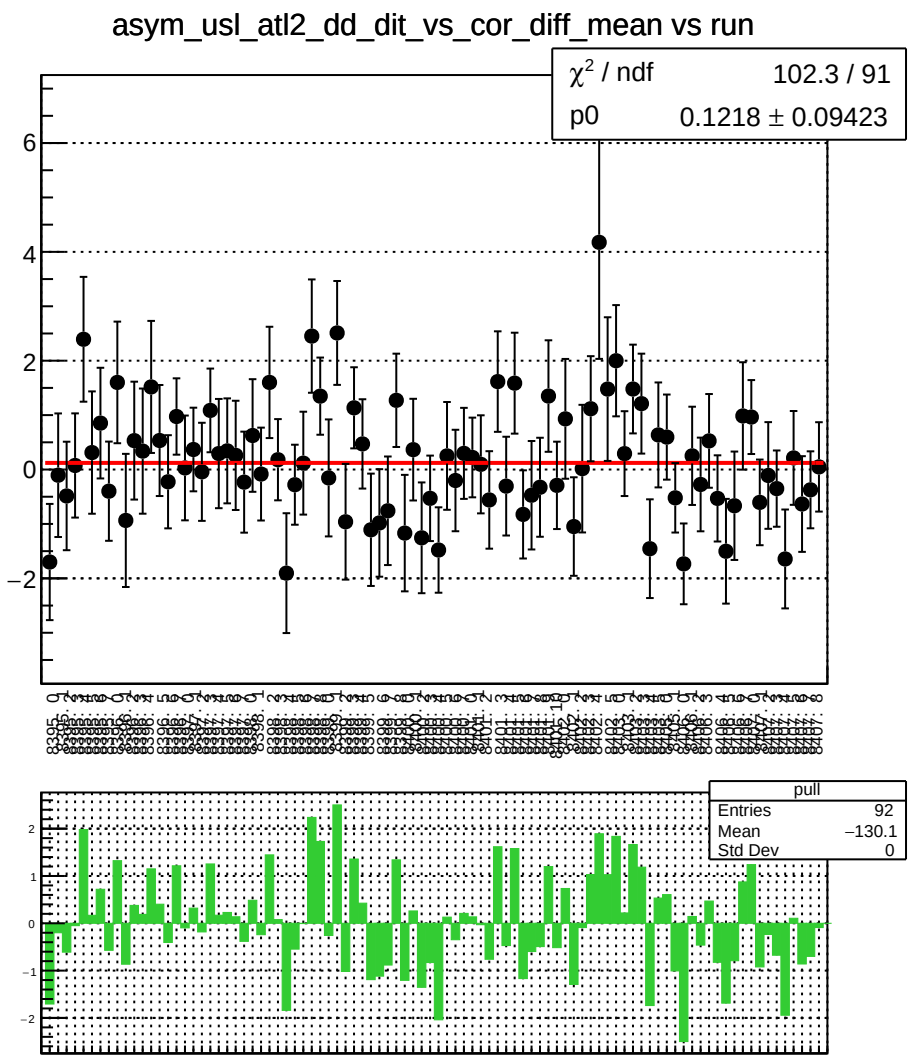

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7484 / 91
p0 4131 ± 3.153
5000
4800
4600
4400
4200
4000
3800
3600

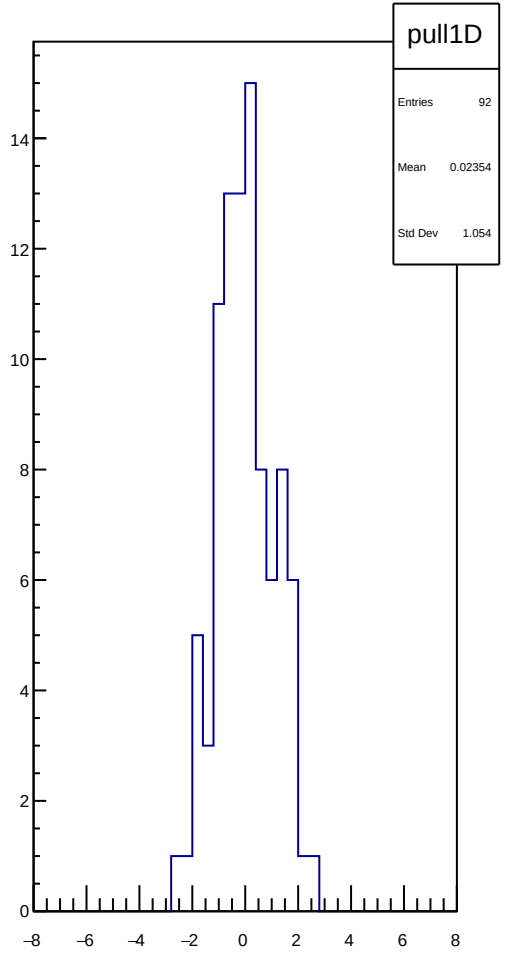

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 98.15 / 91
p0 −2417 ± 4564
pull
Entries 92
Mean 191.7
Std Dev 0
pull1D
Entries 92
Mean 0.003606
Std Dev 1.033

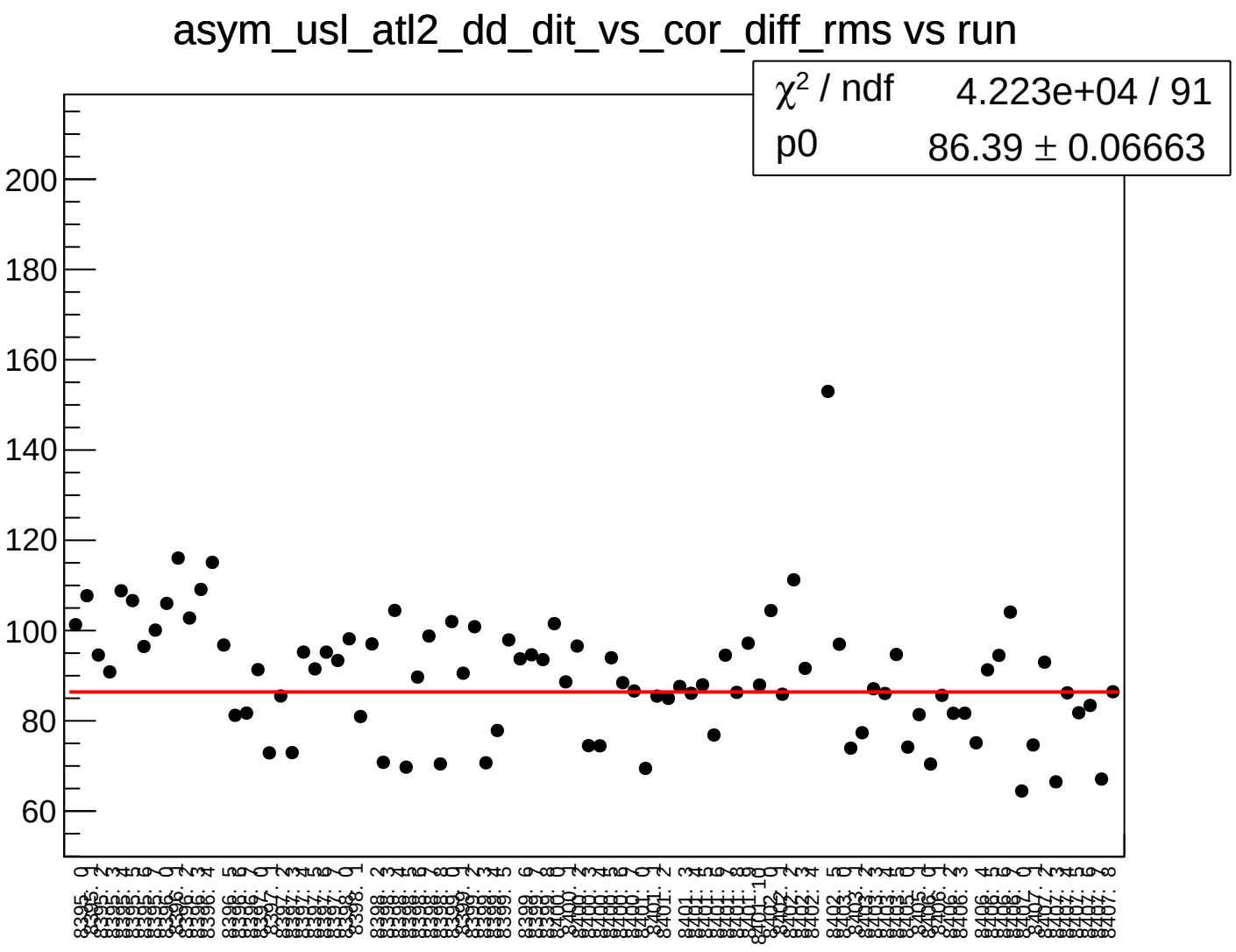

asym_usl_atl2_dd_rms vs run
χ² / ndf 7096 / 91
p0 4229 ± 3.228
5000
4800
4600
4400
4200
4000
3800

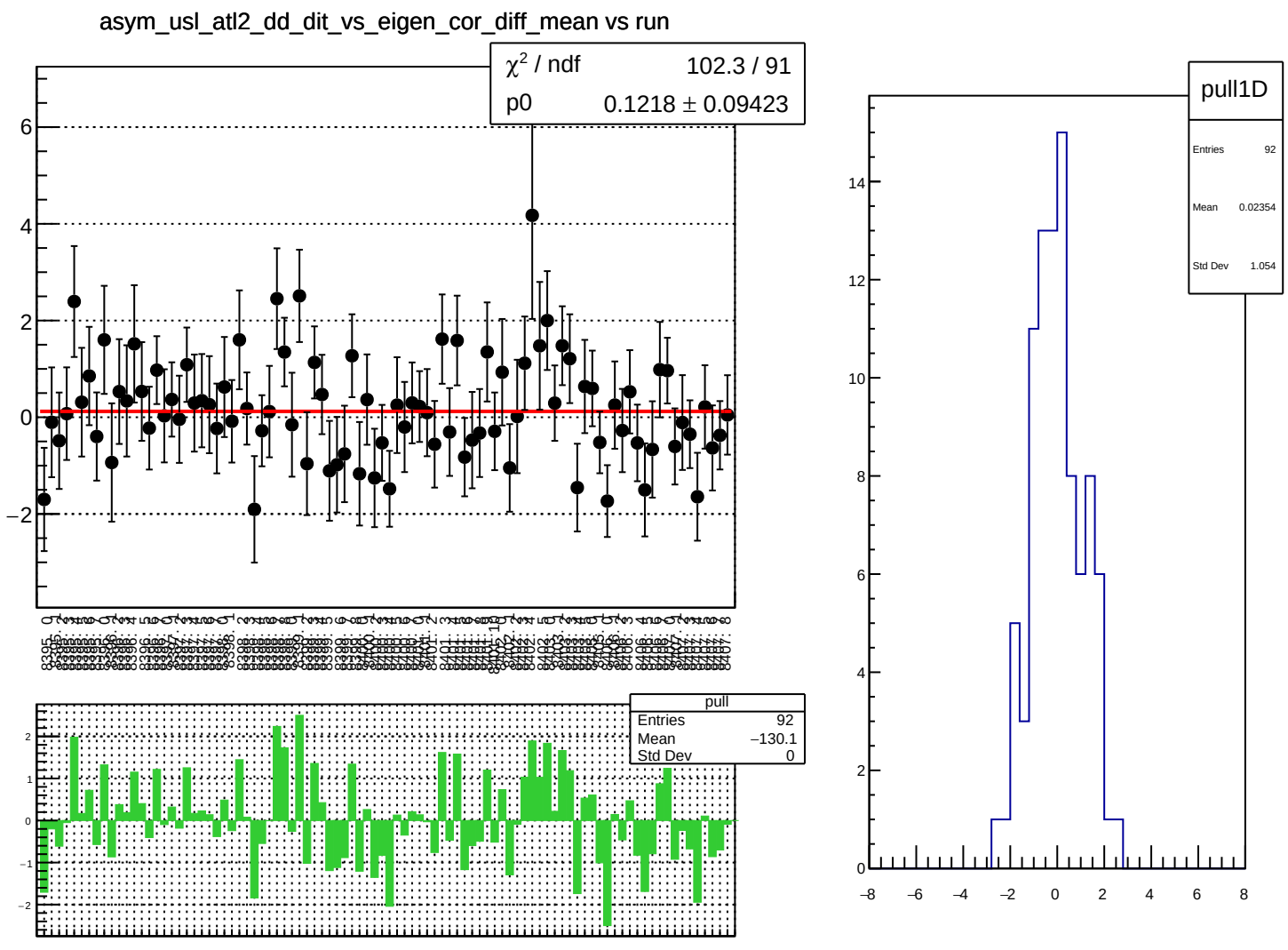

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 91.67 / 91
p0 7.744e−13 ± 4.287e−13
pull
Entries 92
Mean 2.084
Std Dev 0
pull1D
Entries 92
Mean −0.00987
Std Dev 0.9982

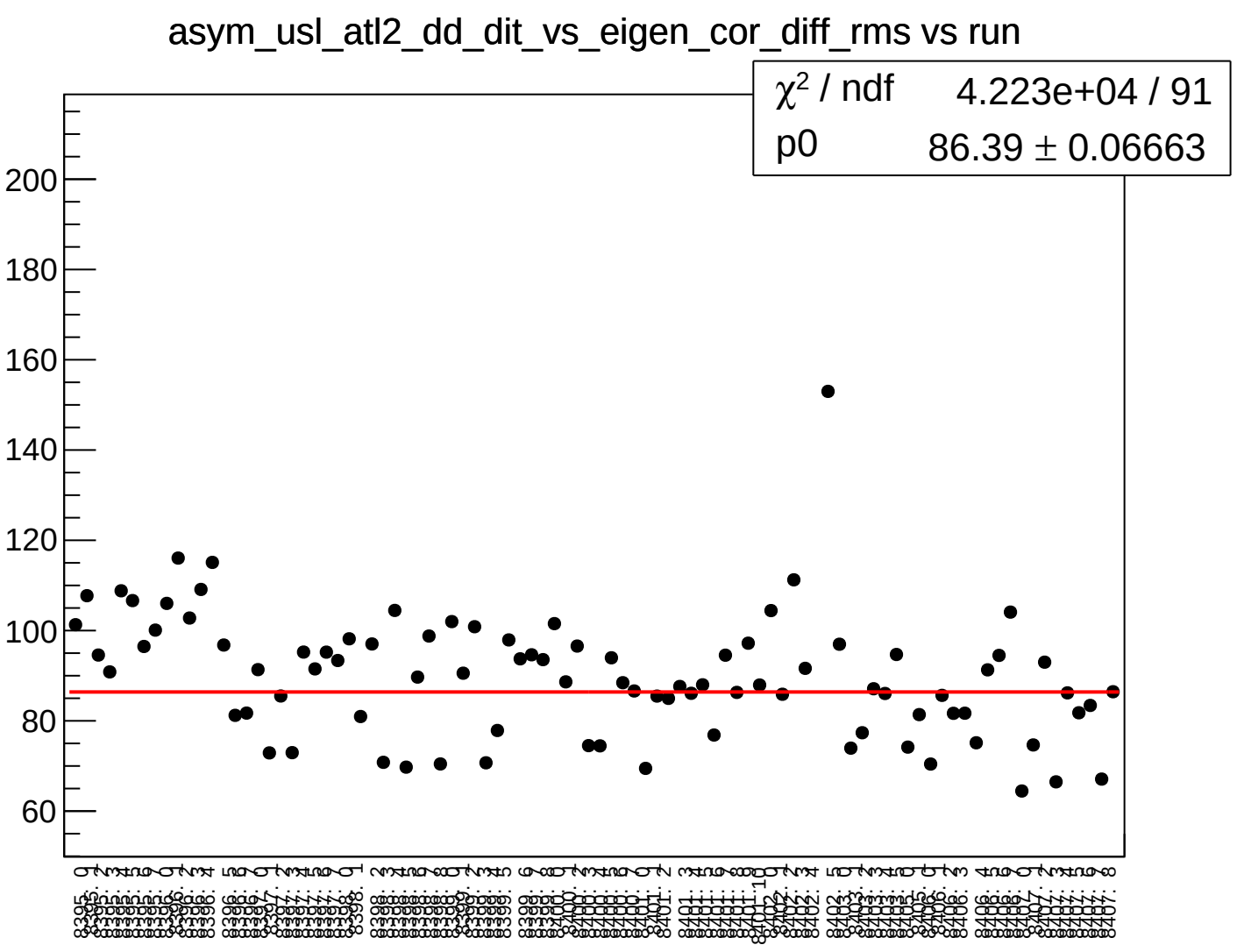

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.162e+06 / 91
p0 2.271e−10 ± 3.031e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

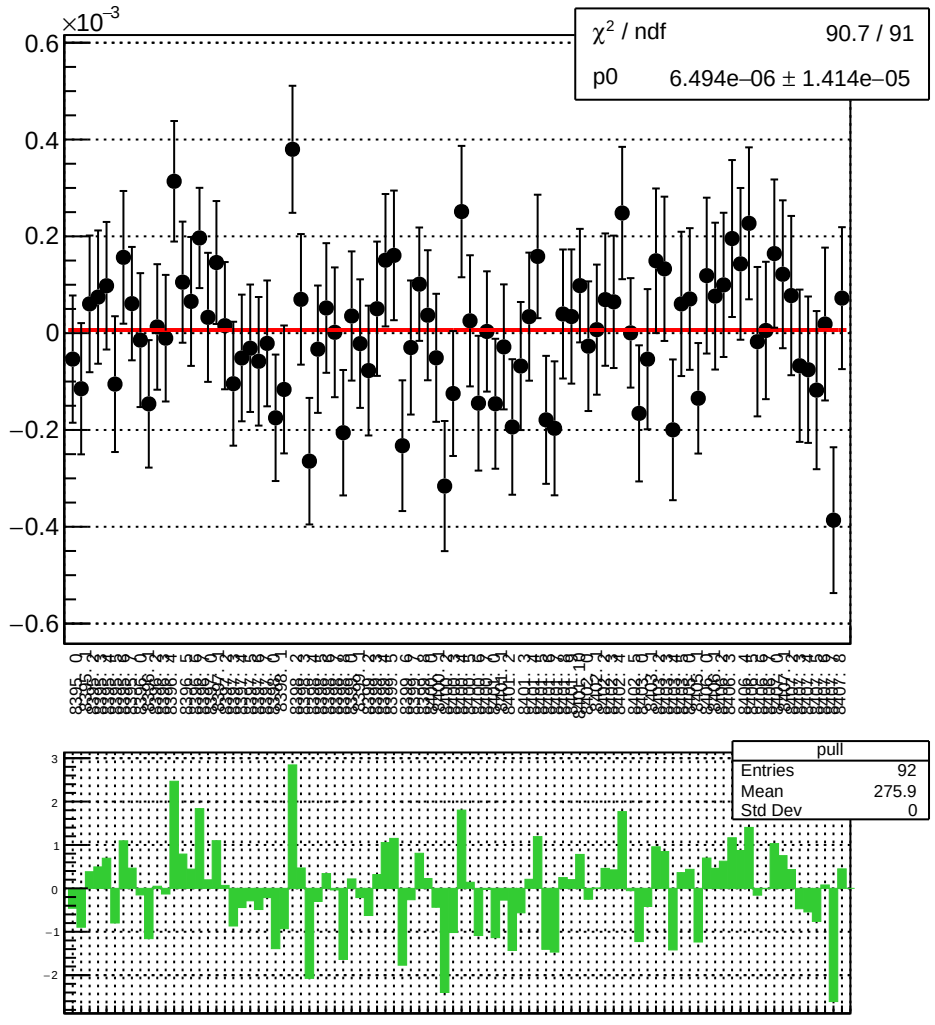

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.3 / 91
p0 0.1218 ± 0.09423
pull
Entries 92
Mean −130.1
Std Dev 0

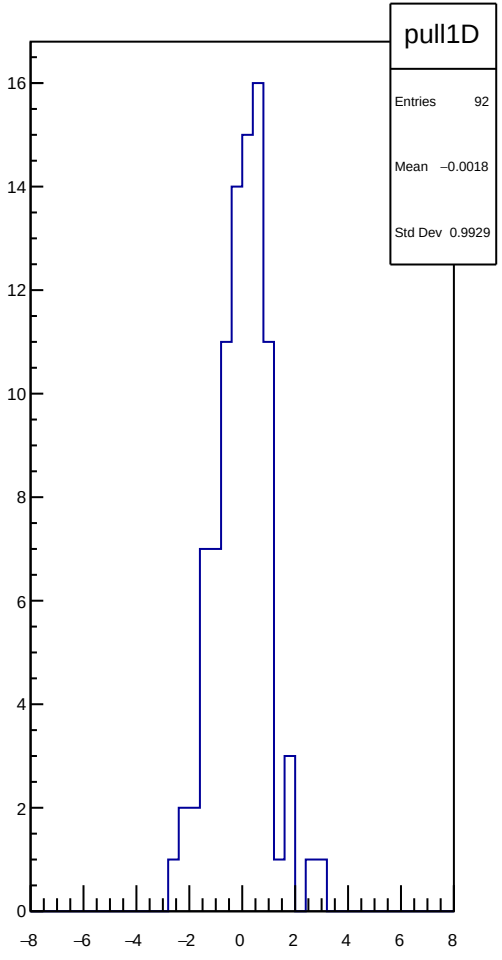

pull1D
Entries 92
Mean 0.02354
Std Dev 1.054

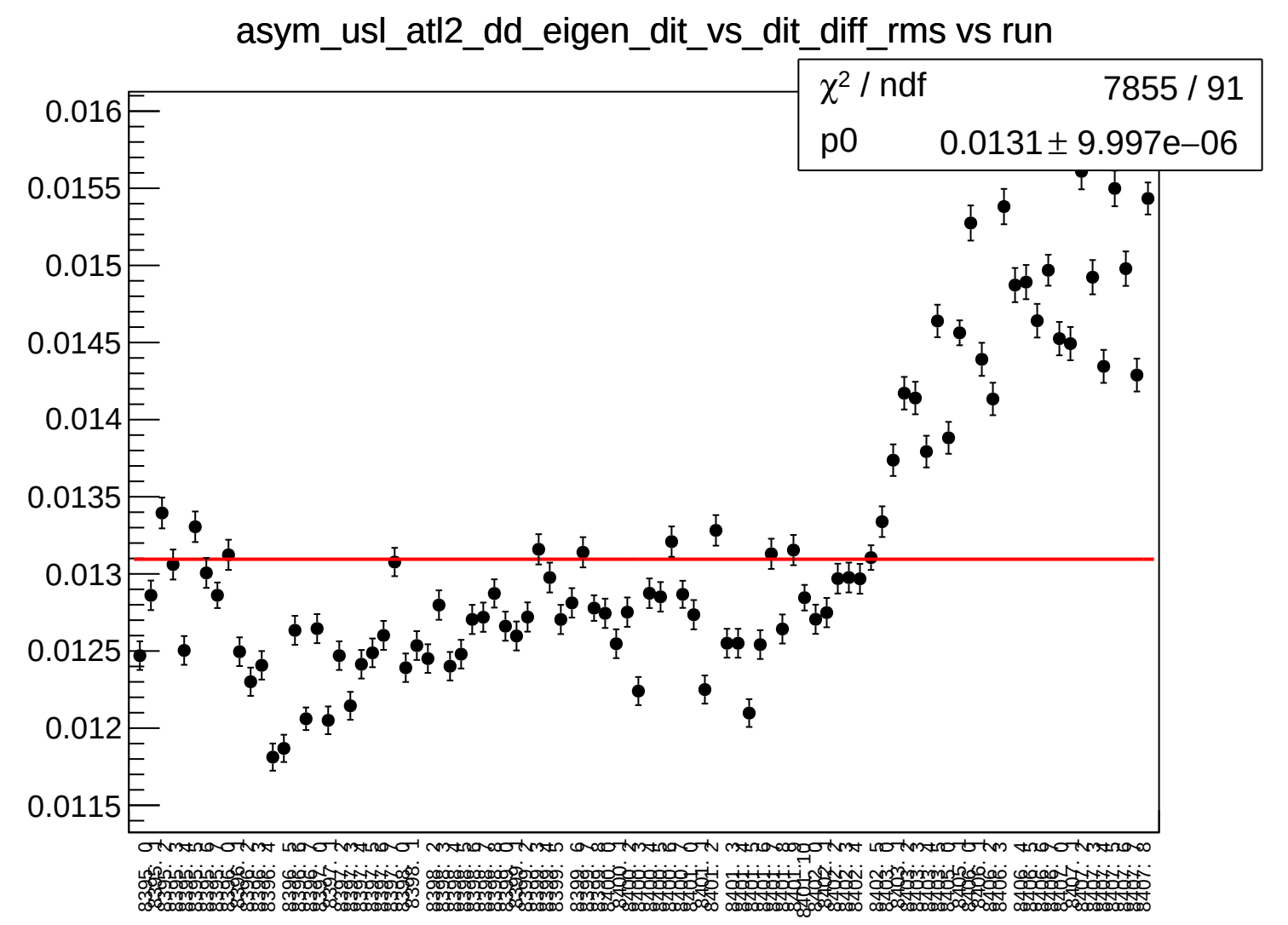

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.223e+04 / 91
p0 86.39 ± 0.06663
200
180
160
140
120
100
80
60

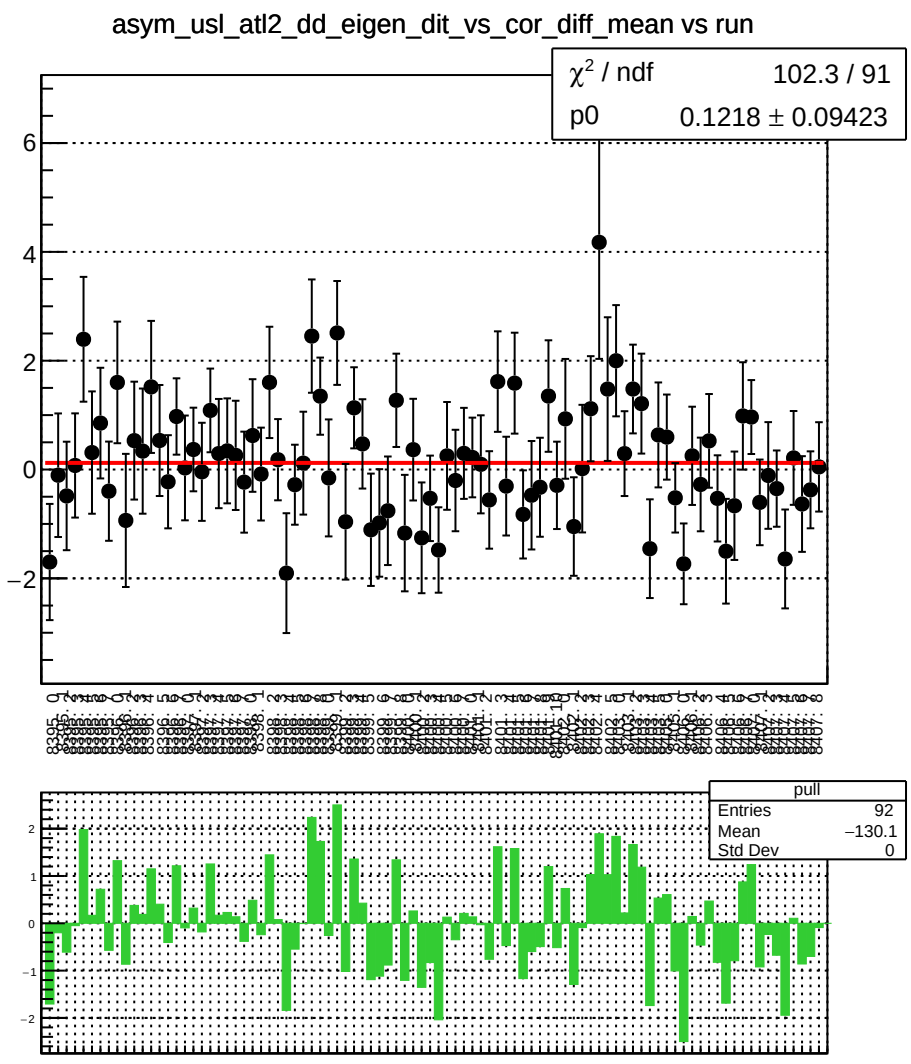

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.3 / 91
p0 0.1218 ± 0.09423
pull
Entries 92
Mean −130.1
Std Dev 0
pull1D
Entries 92
Mean 0.02354
Std Dev 1.054

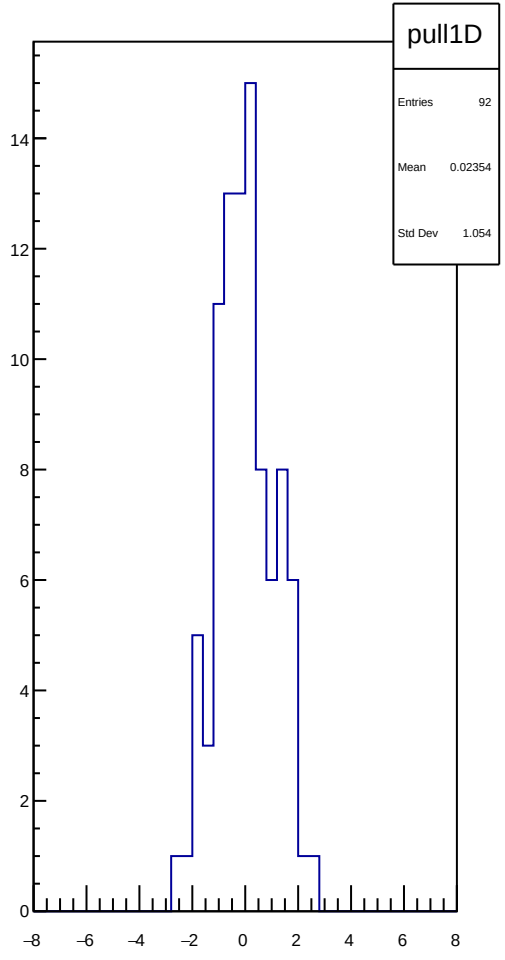

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.223e+04 / 91
p0 86.39 ± 0.06663
200
180
160
140
120
100
80
60

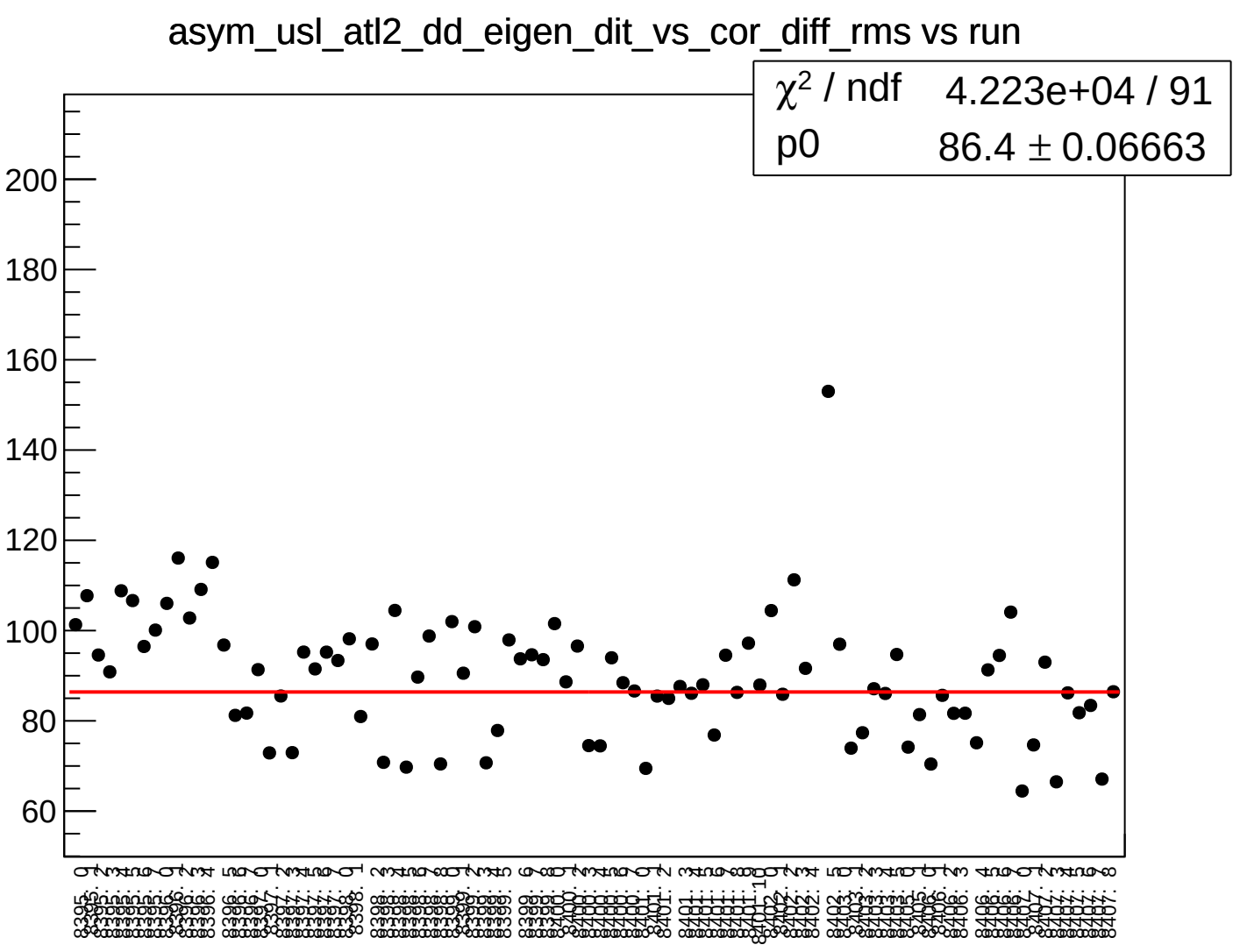

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.7 / 91
p0 6.494e−06 ± 1.414e−05
pull
Entries 92
Mean 275.9
Std Dev 0

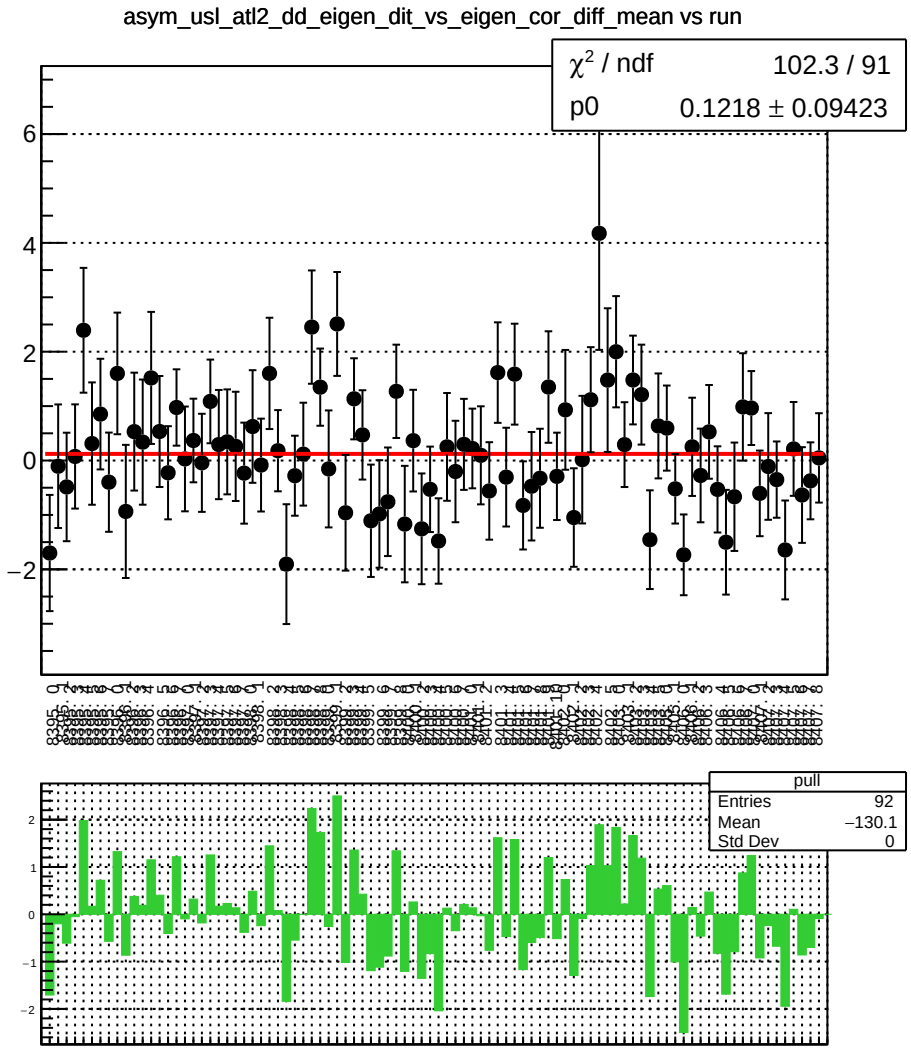

pull1D
Entries 92
Mean −0.0018
Std Dev 0.9929

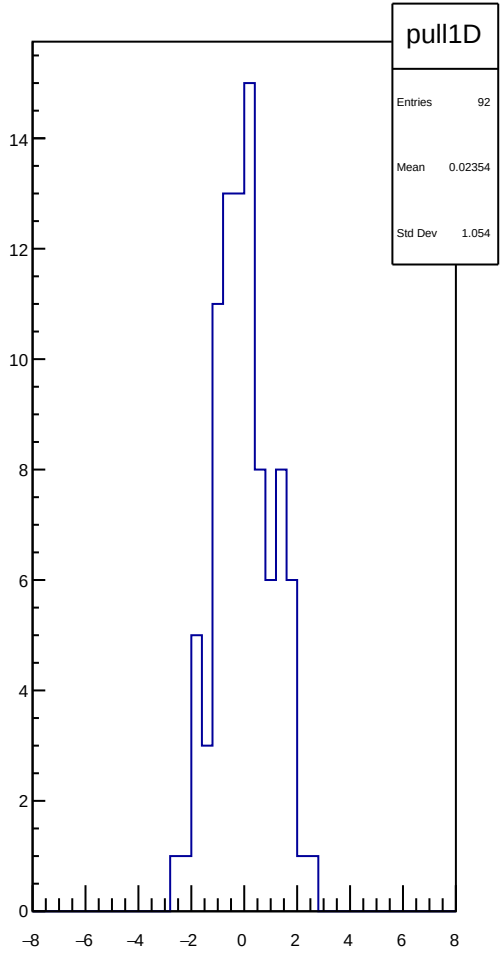

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7855 / 91
p0 0.0131 ± 9.997e−06
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115

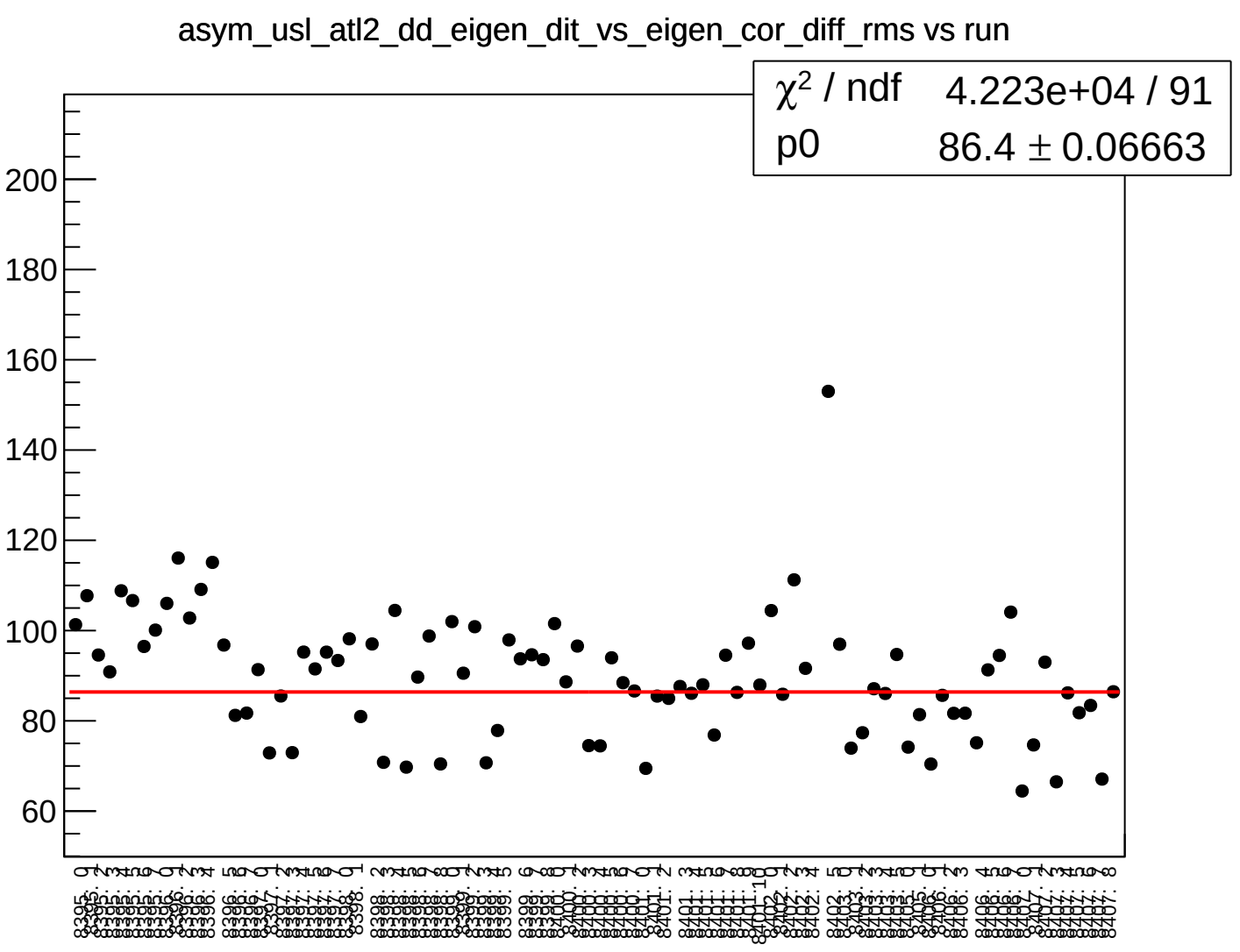

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.3 / 91
p0 0.1218 ± 0.09423
pull
Entries 92
Mean −130.1
Std Dev 0

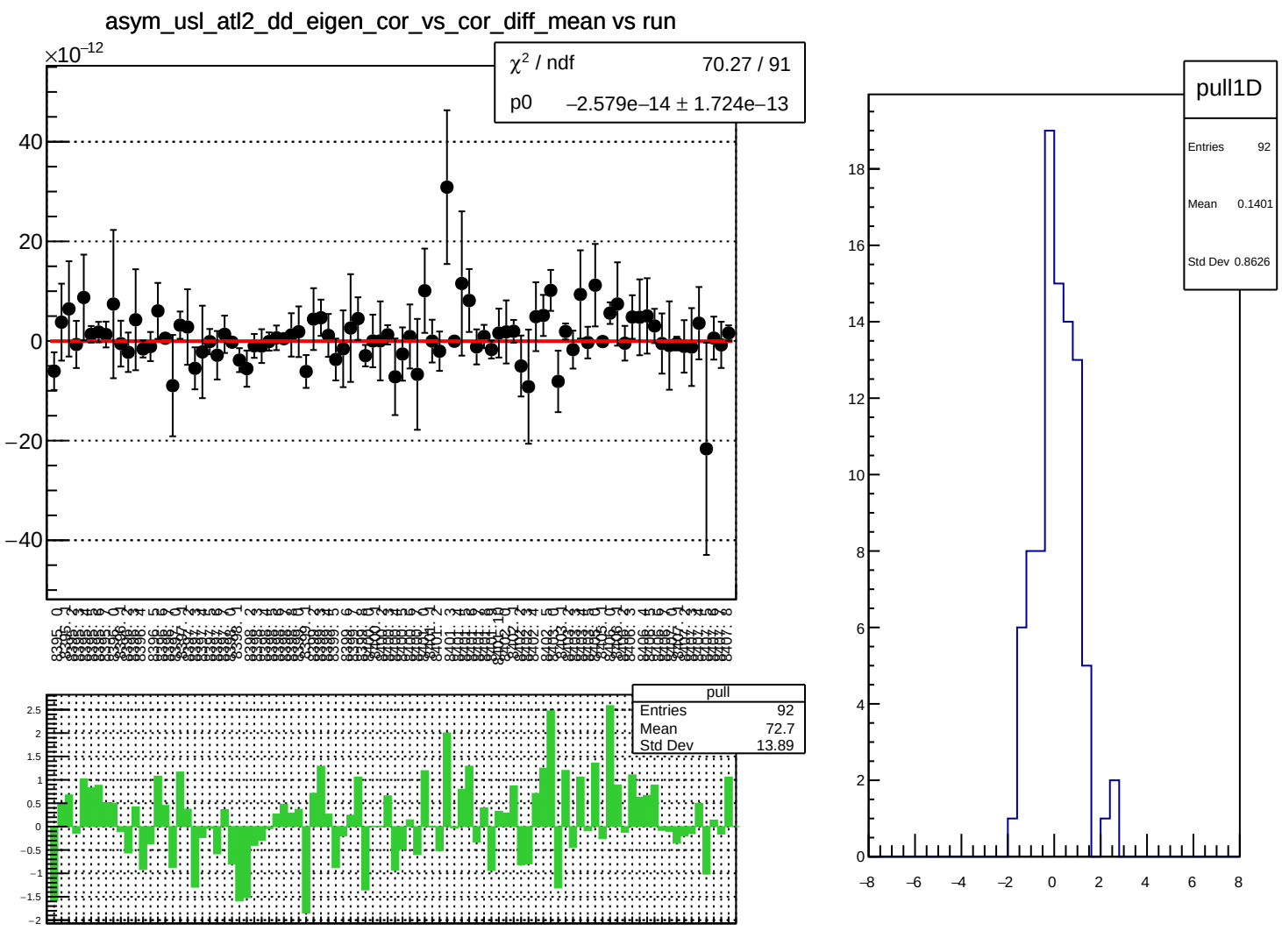

pull1D
Entries 92
Mean 0.02354
Std Dev 1.054

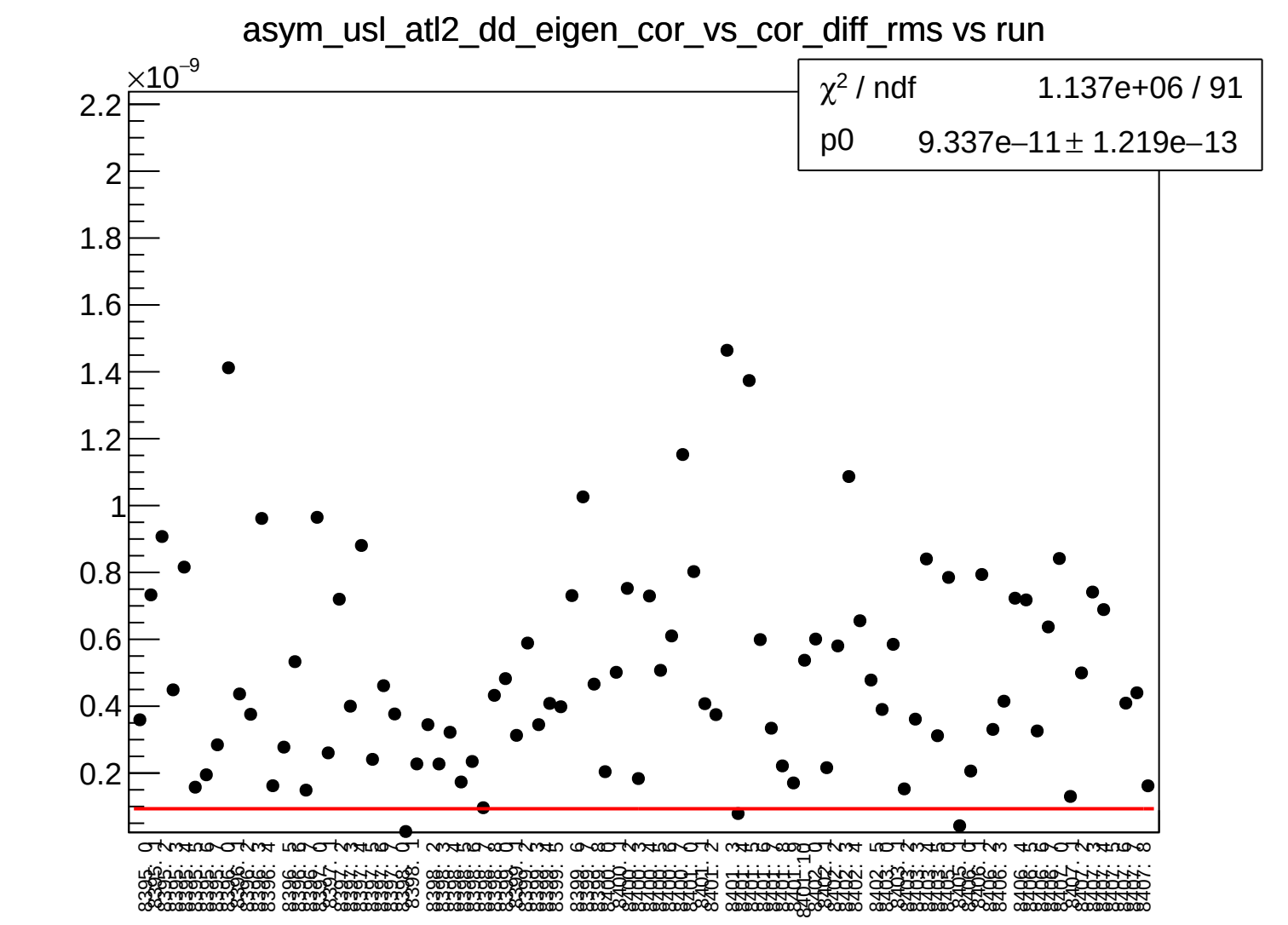

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.223e+04 / 91
p0 86.4 ± 0.06663
200
180
160
140
120
100
80
60

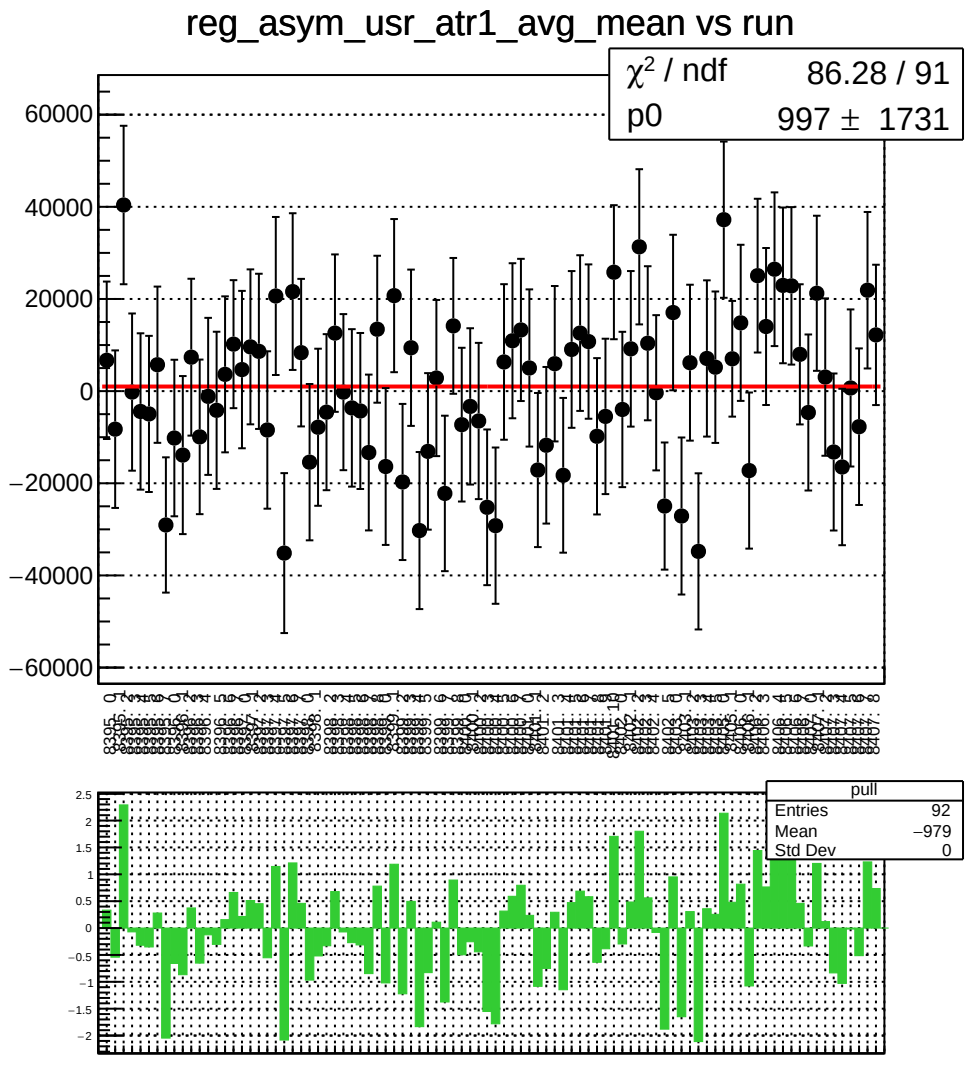

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.3 / 91
p0 0.1218 ± 0.09423
pull
Entries 92
Mean −130.1
Std Dev 0

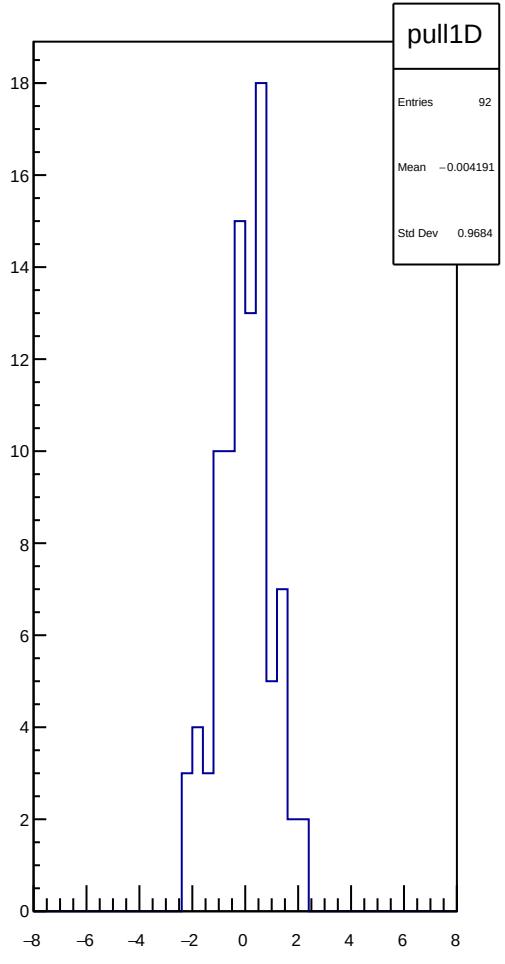

pull1D
Entries 92
Mean 0.02354
Std Dev 1.054

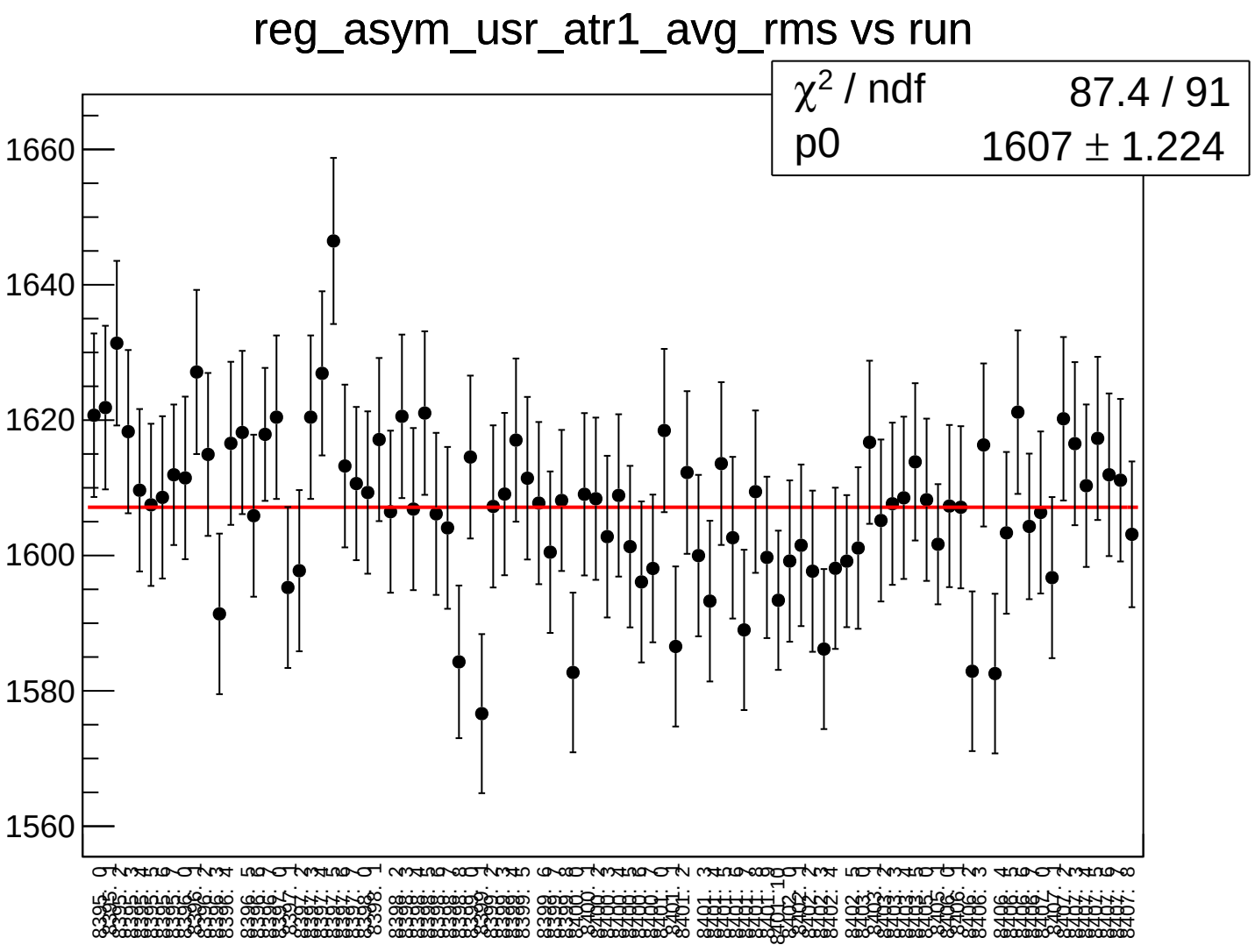

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.223e+04 / 91
p0 86.4 ± 0.06663
200
180
160
140
120
100
80
60

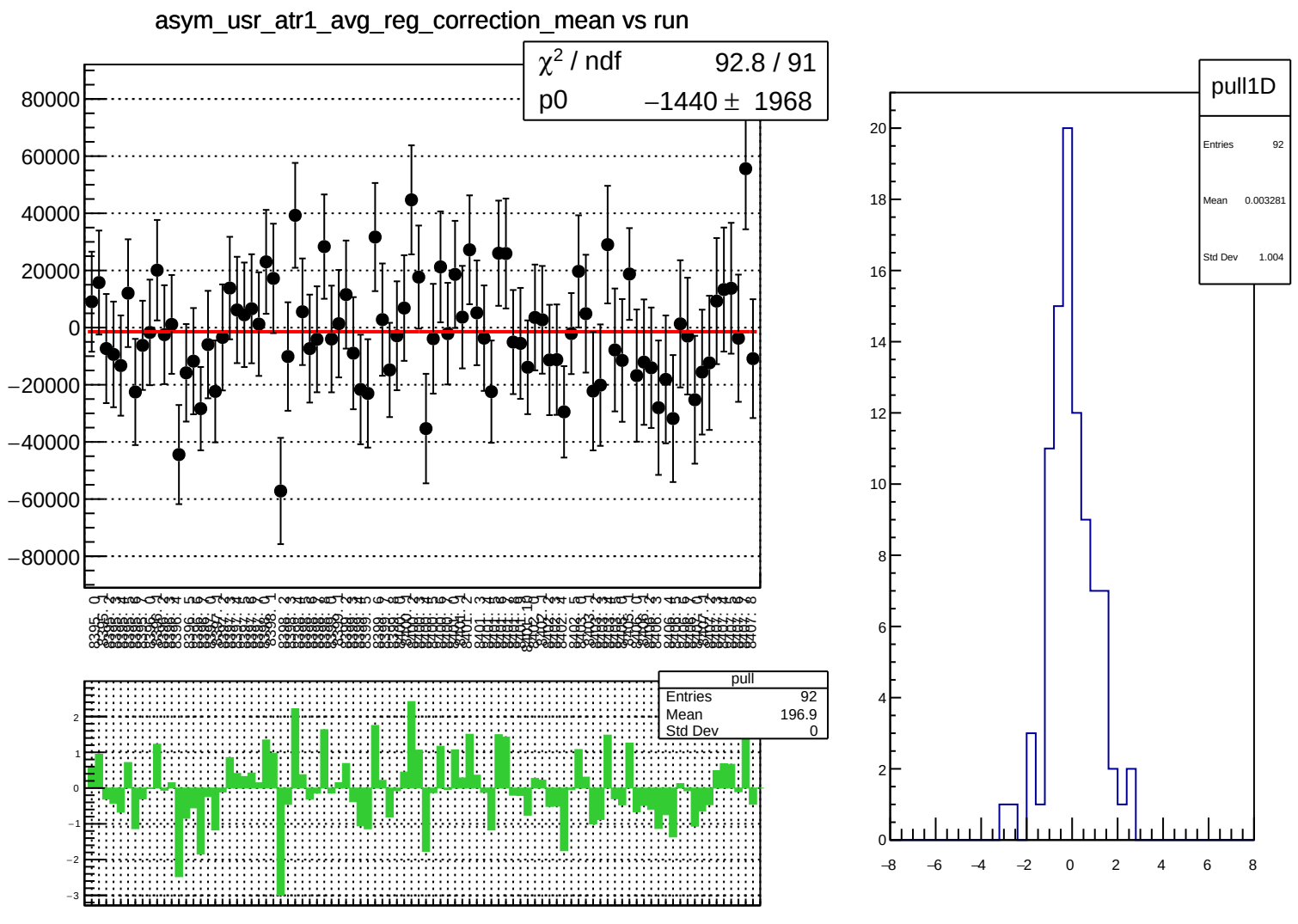

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 70.27 / 91
p0 −2.579e−14 ± 1.724e−13
40
20
0
−20
−40
pull
Entries 92
Mean 72.7
Std Dev 13.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.1401
Std Dev 0.8626
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

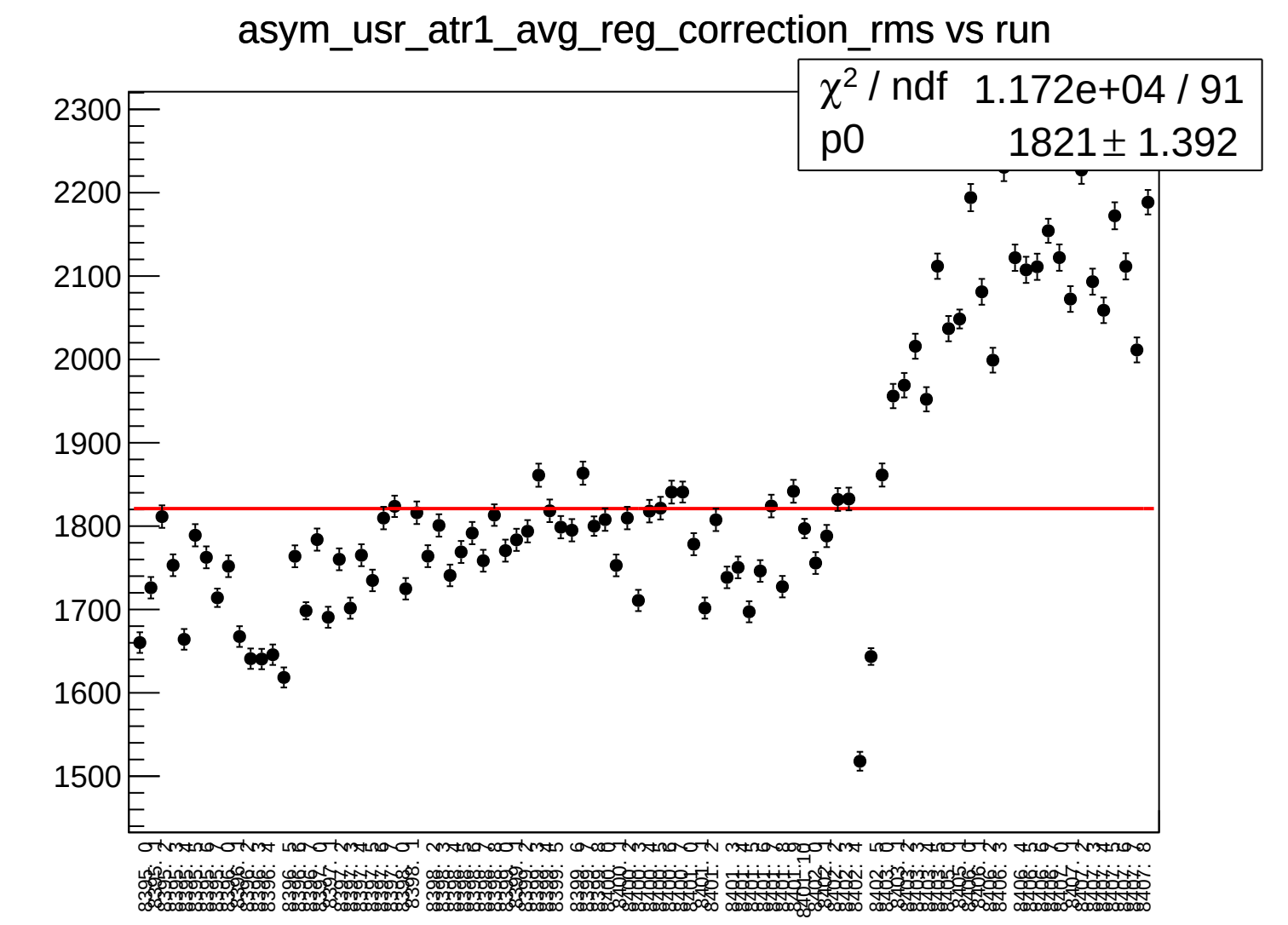

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.137e+06 / 91
p0 9.337e−11 ± 1.219e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

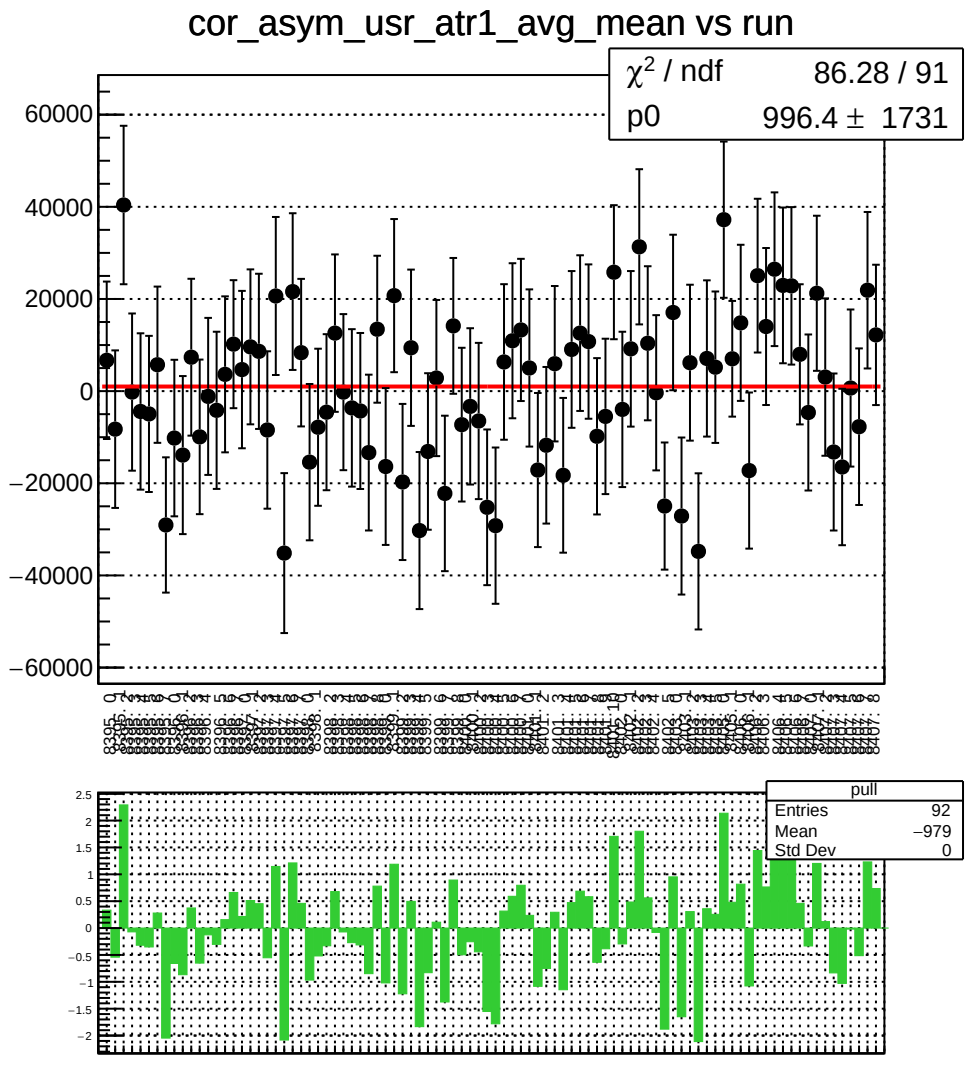

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.28 / 91
p0 997 ± 1731
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −979
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

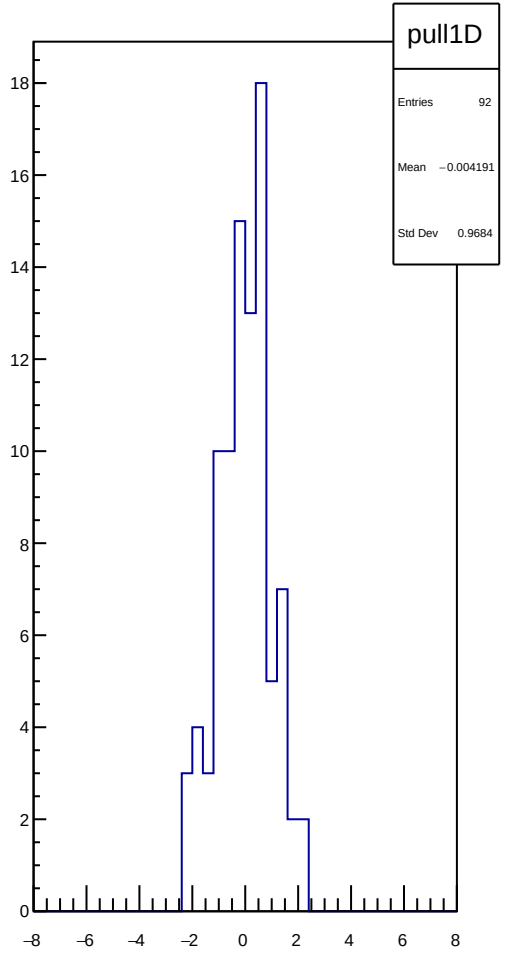

pull1D
Entries 92
Mean −0.004191
Std Dev 0.9684
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

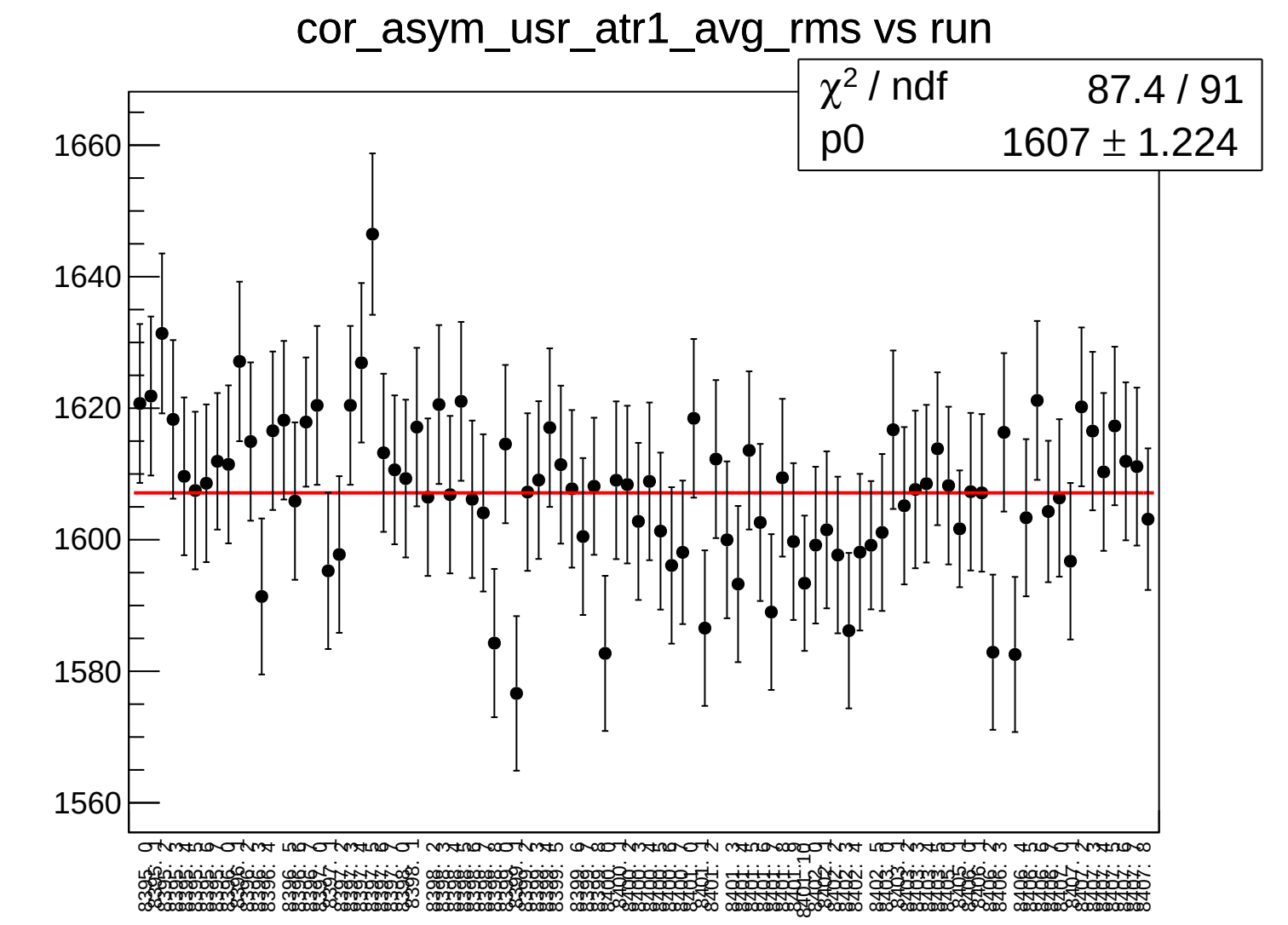

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 87.4 / 91
p0 1607 ± 1.224
1660
1640
1620
1600
1580
1560

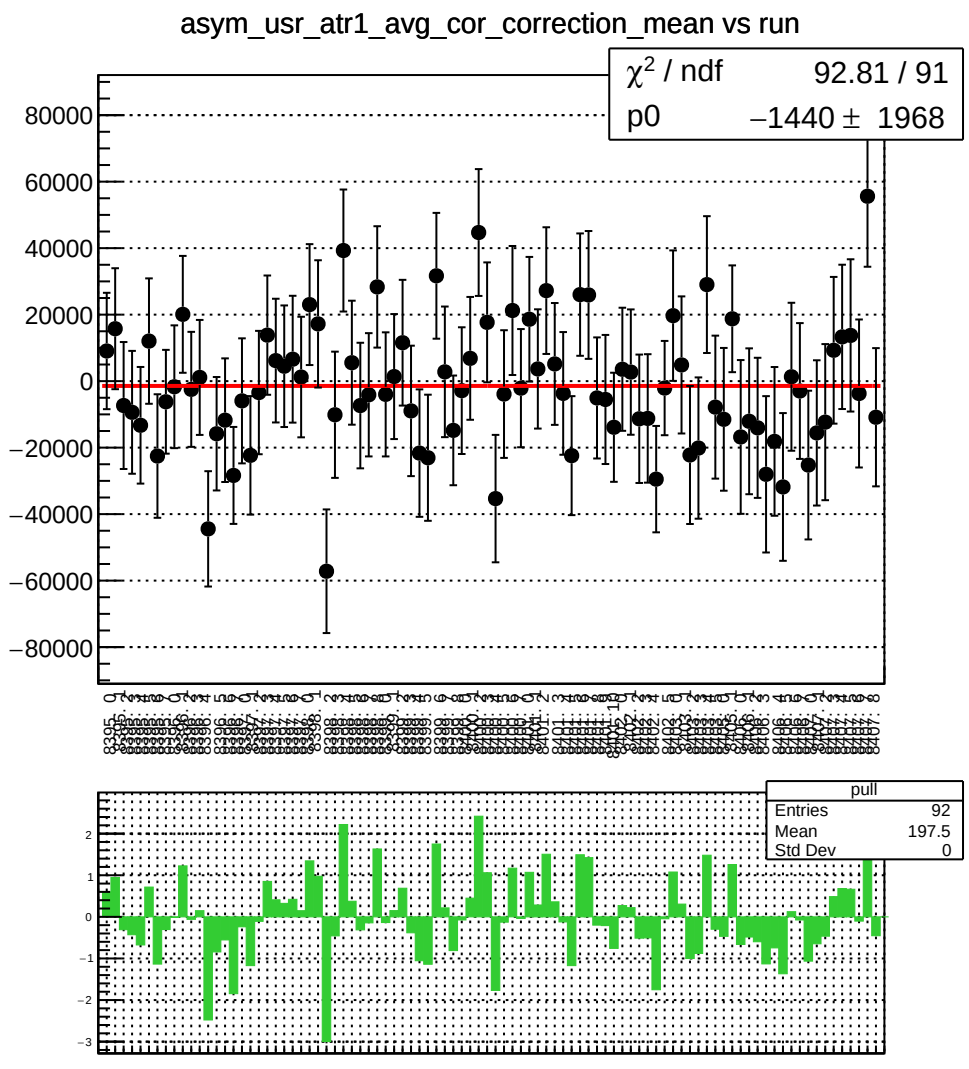

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 92.8 / 91
p0 −1440 ± 1968
pull
Entries 92
Mean 196.9
Std Dev 0
pull1D
Entries 92
Mean 0.003281
Std Dev 1.004

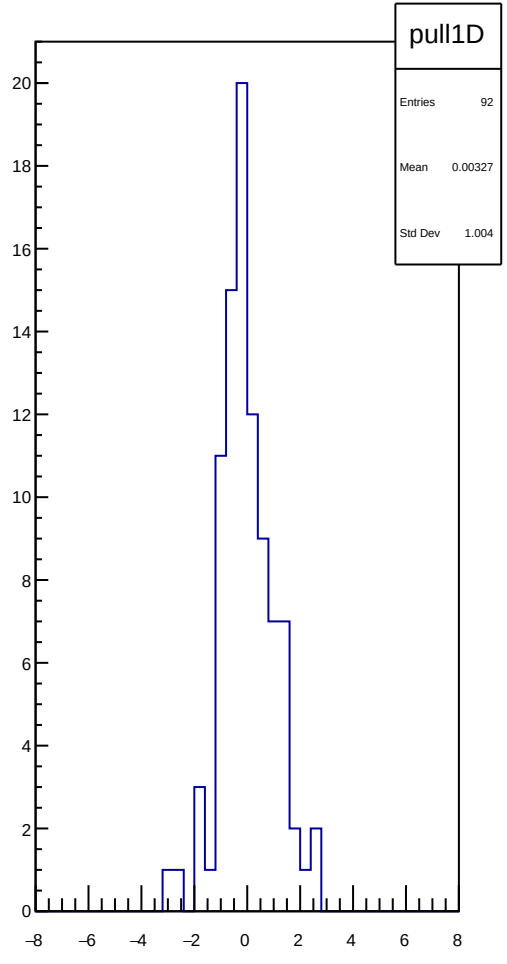

asym_usr_atr1_avg_reg_correction_rms vs run
$\chi^2$ / ndf 1.172e+04 / 91
p0 1821 ± 1.392
2300
2200
2100
2000
1900
1800
1700
1600
1500

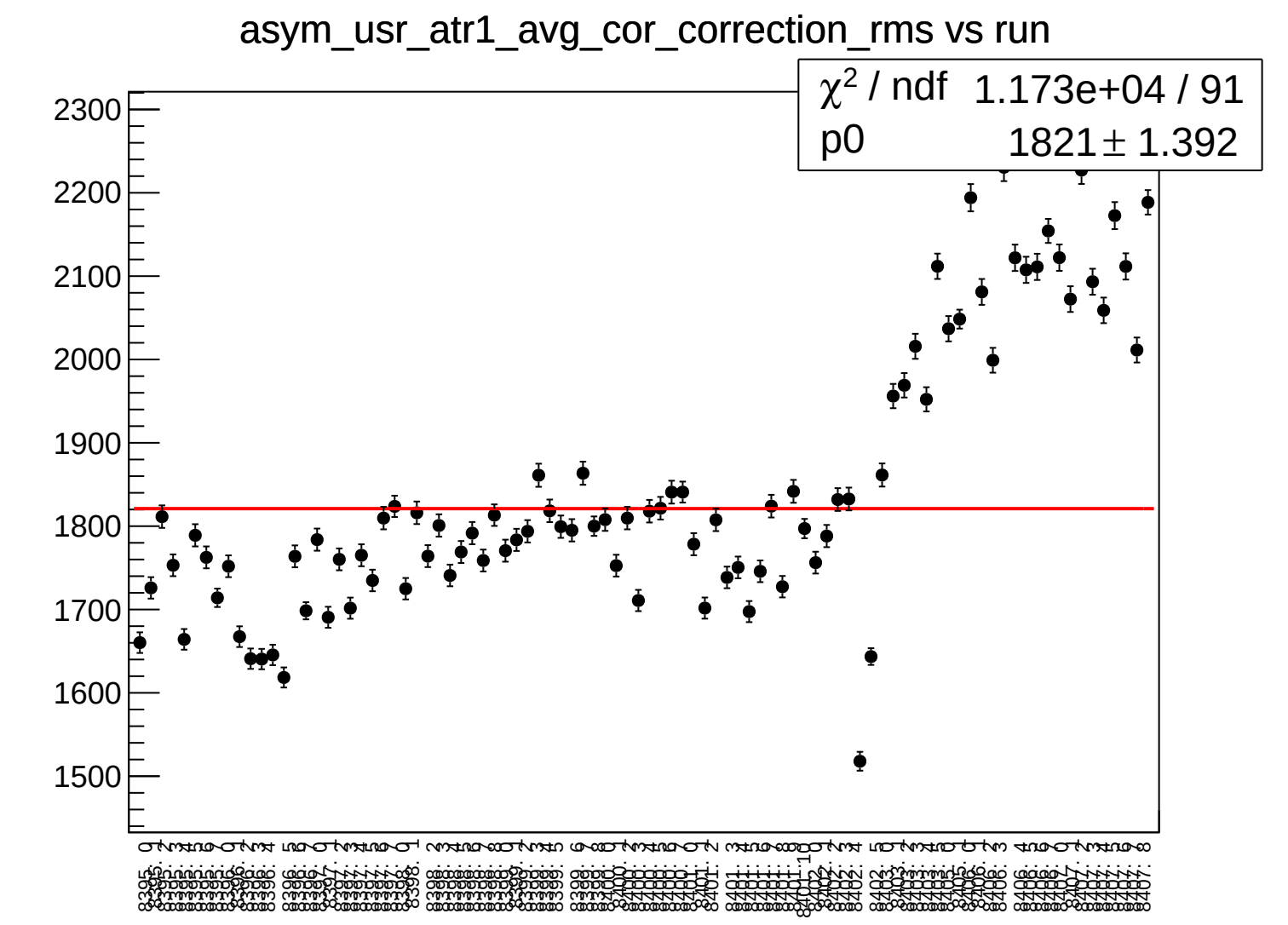

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.28 / 91
p0 996.4 ± 1731
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −979
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

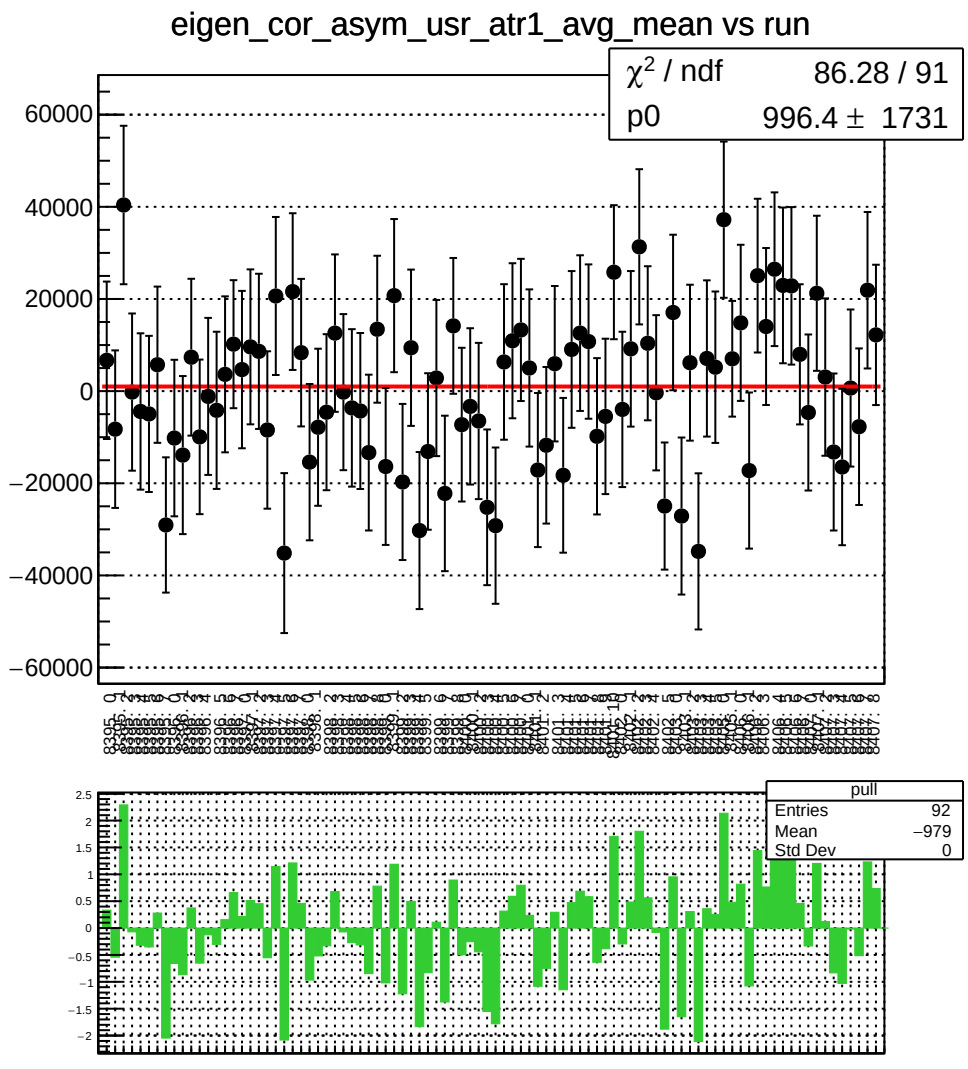

pull1D
Entries 92
Mean −0.004191
Std Dev 0.9684
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

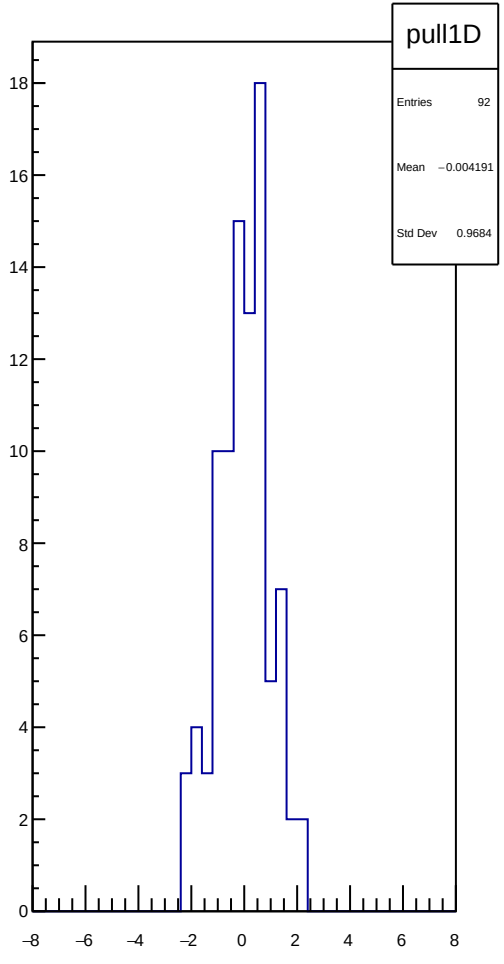

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 87.4 / 91
p0 1607 ± 1.224
1660
1640
1620
1600
1580
1560

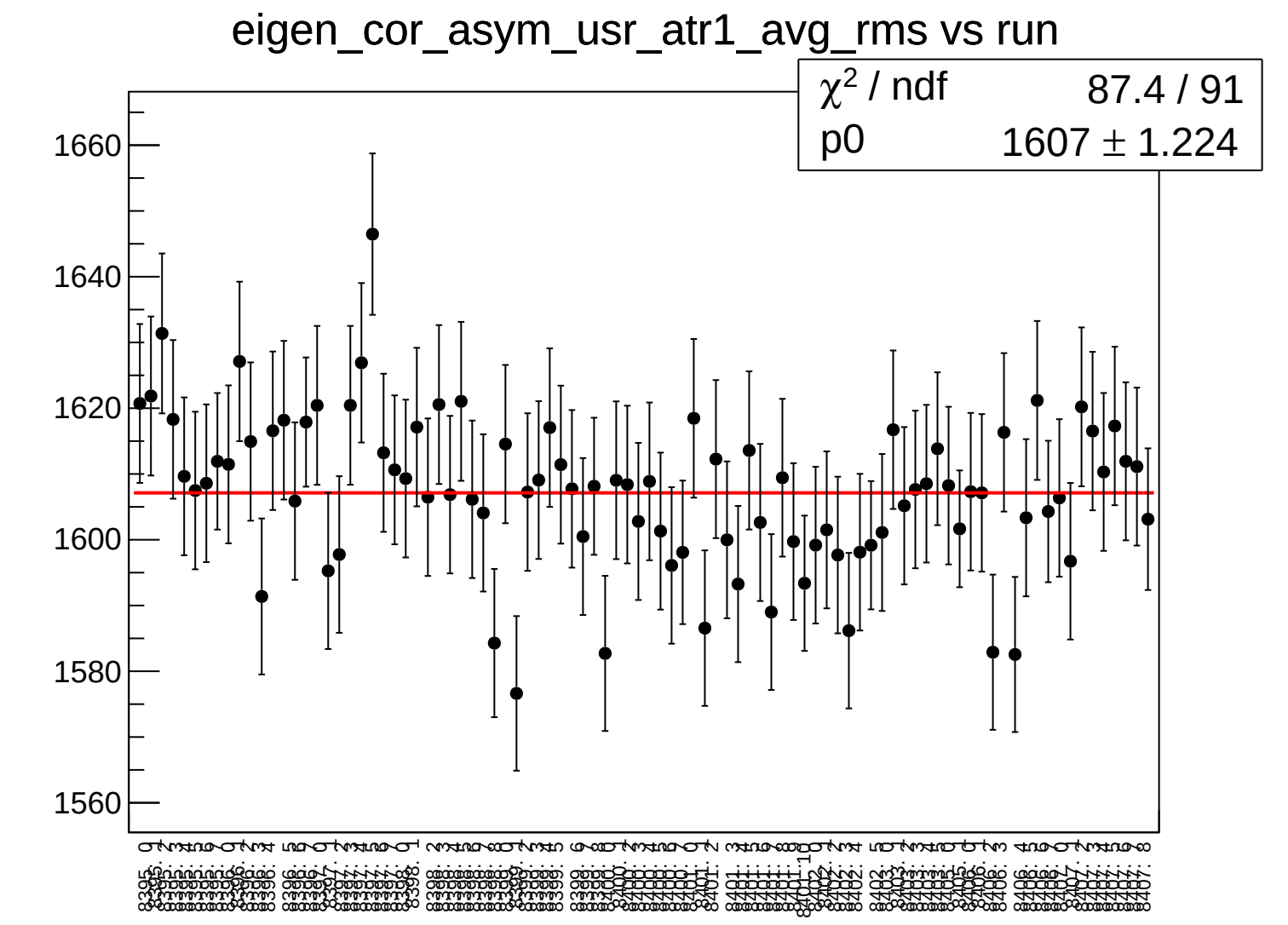

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 92.81 / 91
p0 −1440 ± 1968
pull
Entries 92
Mean 197.5
Std Dev 0

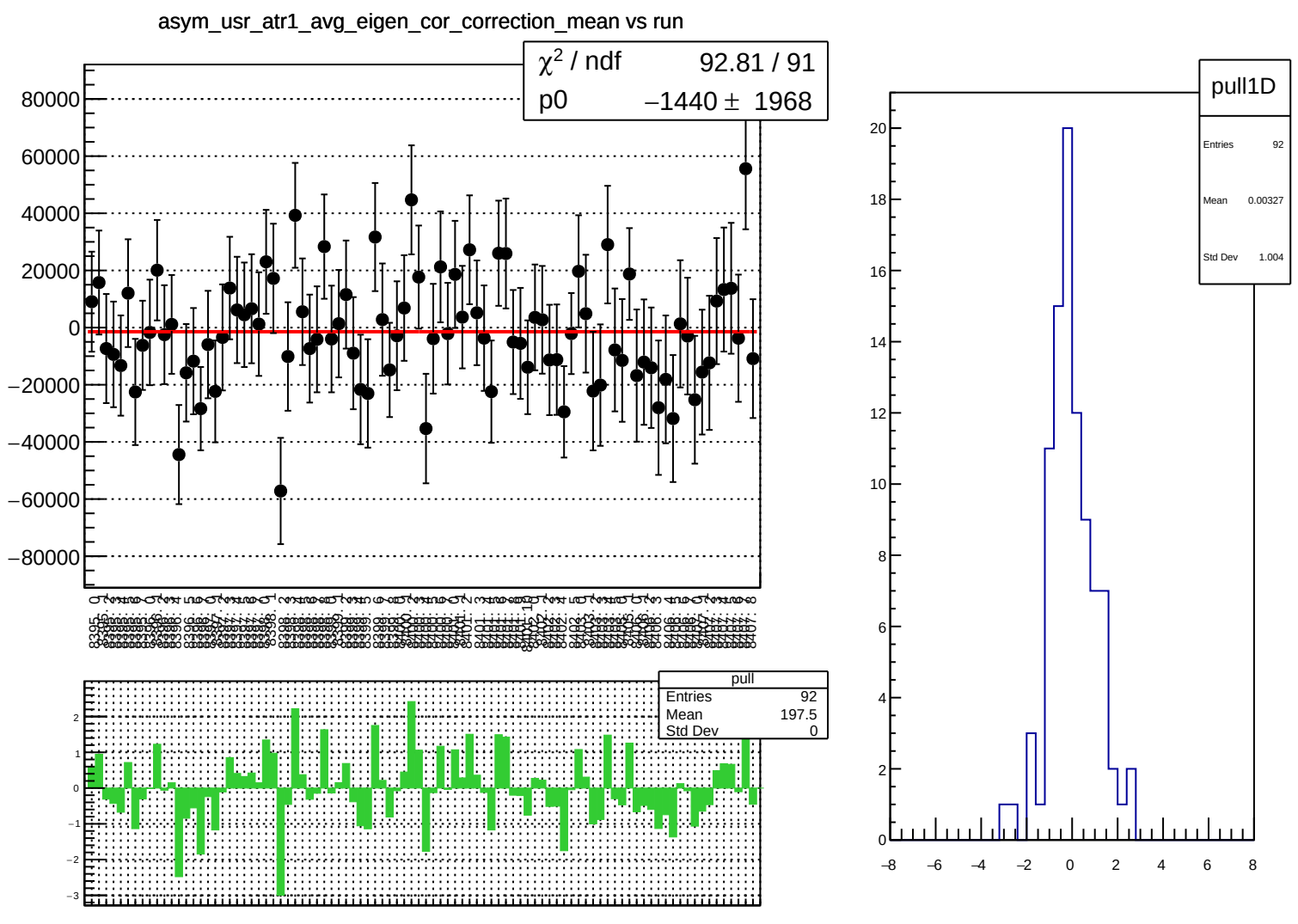

pull1D
Entries 92
Mean 0.00327
Std Dev 1.004

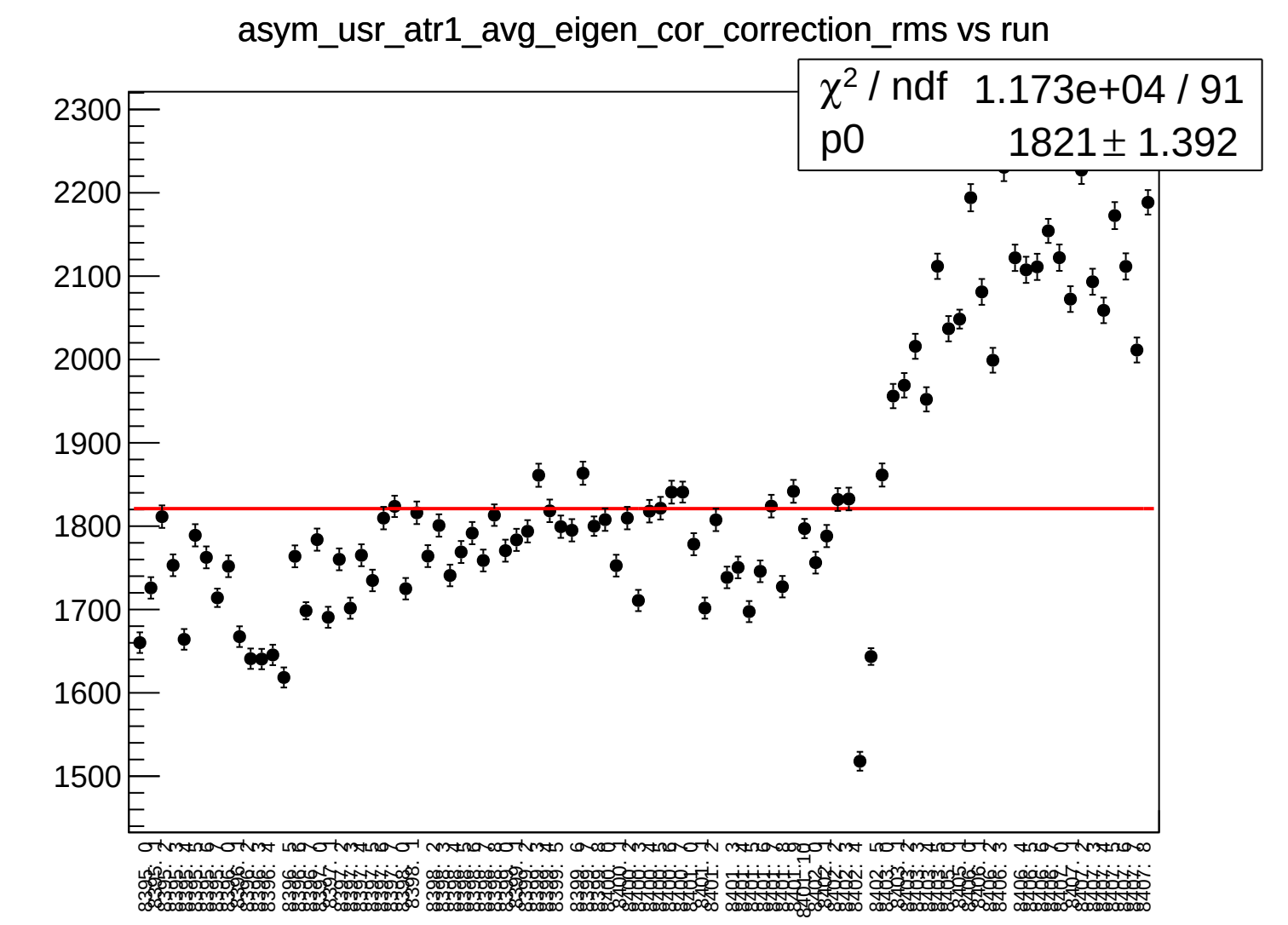

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 1.173e+04 / 91
p0 1821 ± 1.392
2300
2200
2100
2000
1900
1800
1700
1600
1500

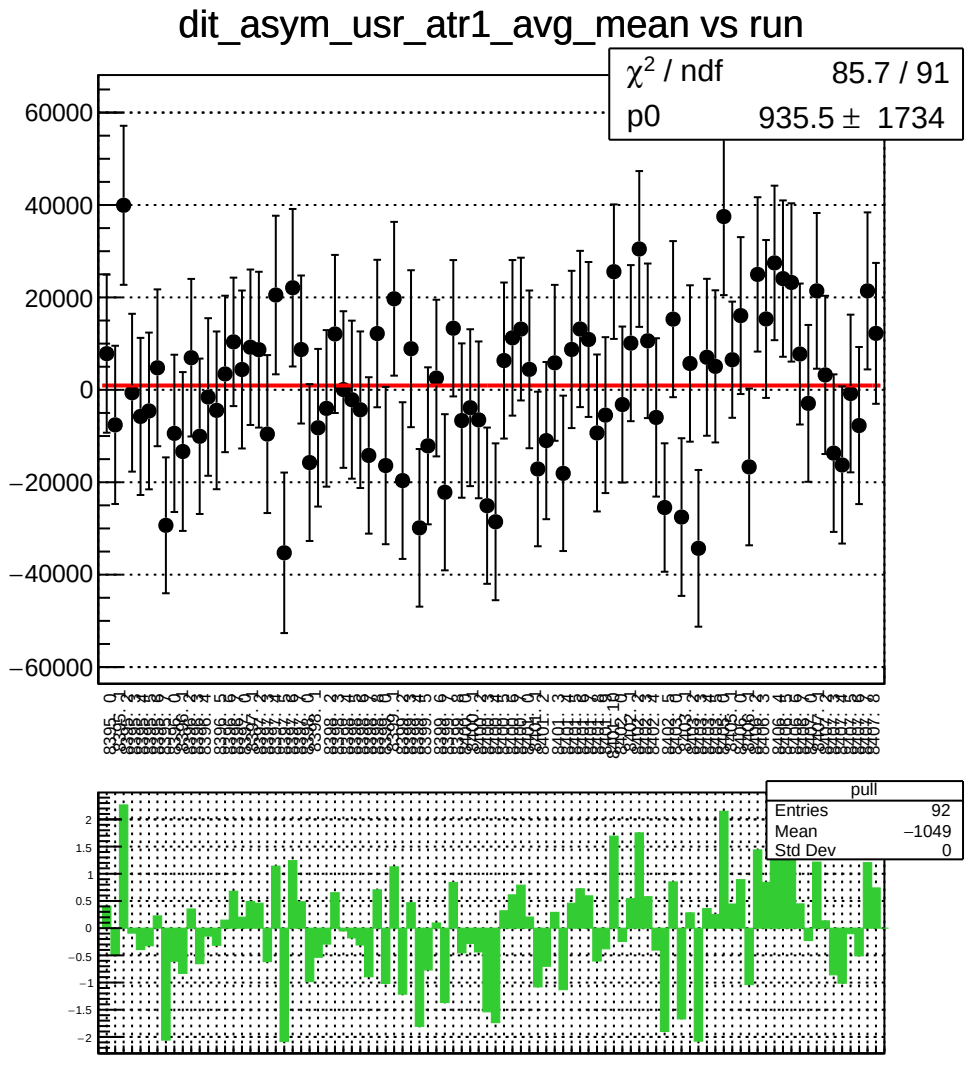

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.28 / 91
p0 996.4 ± 1731
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −979
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

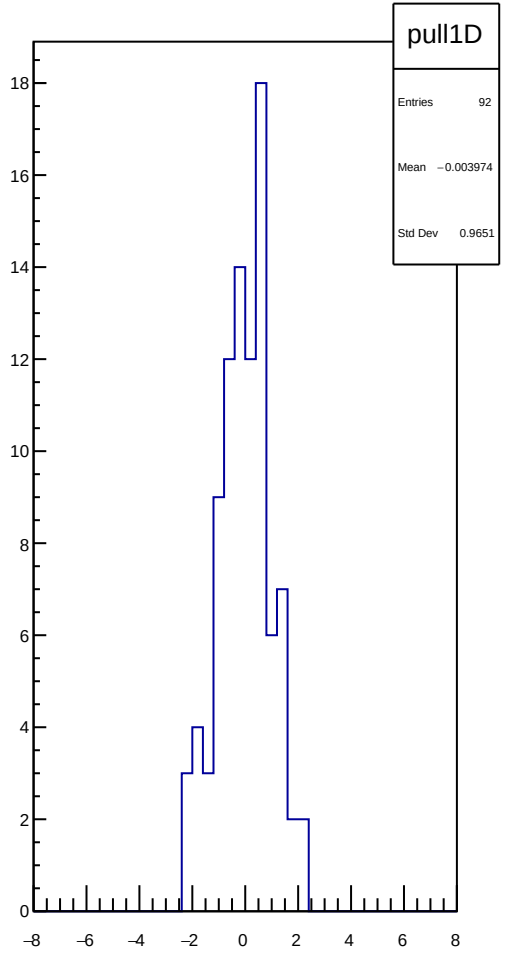

pull1D
Entries 92
Mean −0.004191
Std Dev 0.9684
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

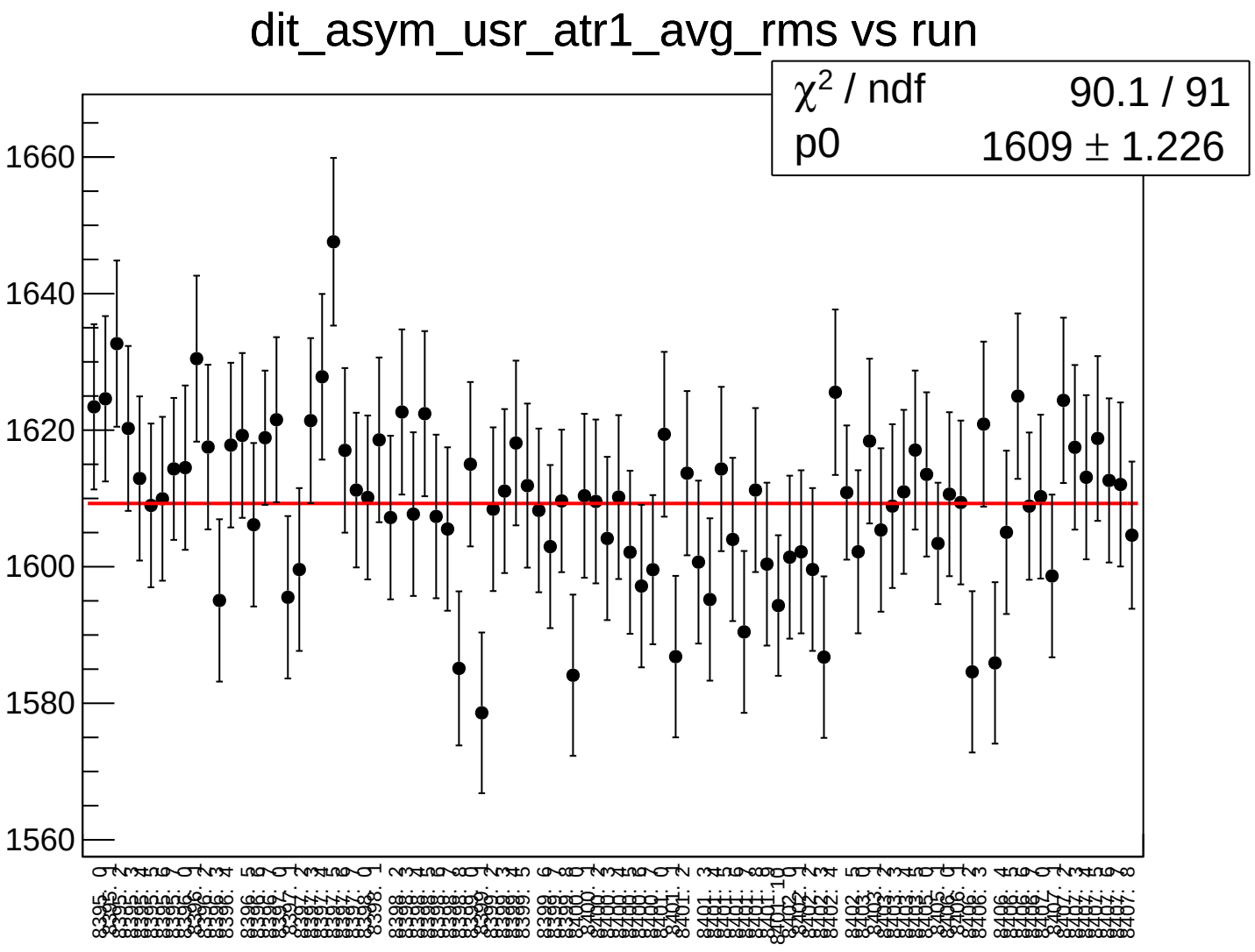

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 87.4 / 91
p0 1607 ± 1.224
1660
1640
1620
1600
1580
1560

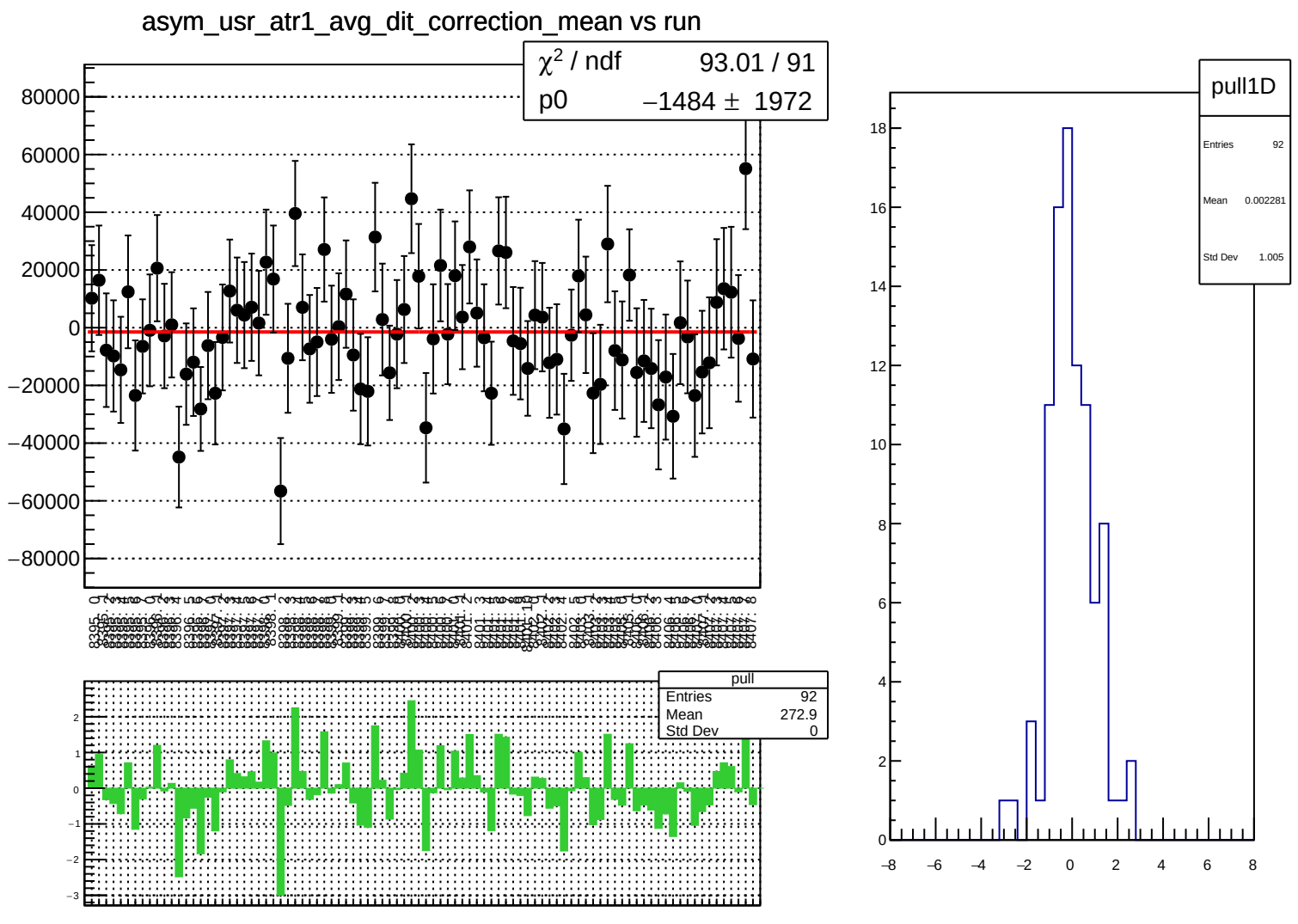

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 92.81 / 91
p0 −1440 ± 1968
pull
Entries 92
Mean 197.5
Std Dev 0
pull1D
Entries 92
Mean 0.00327
Std Dev 1.004

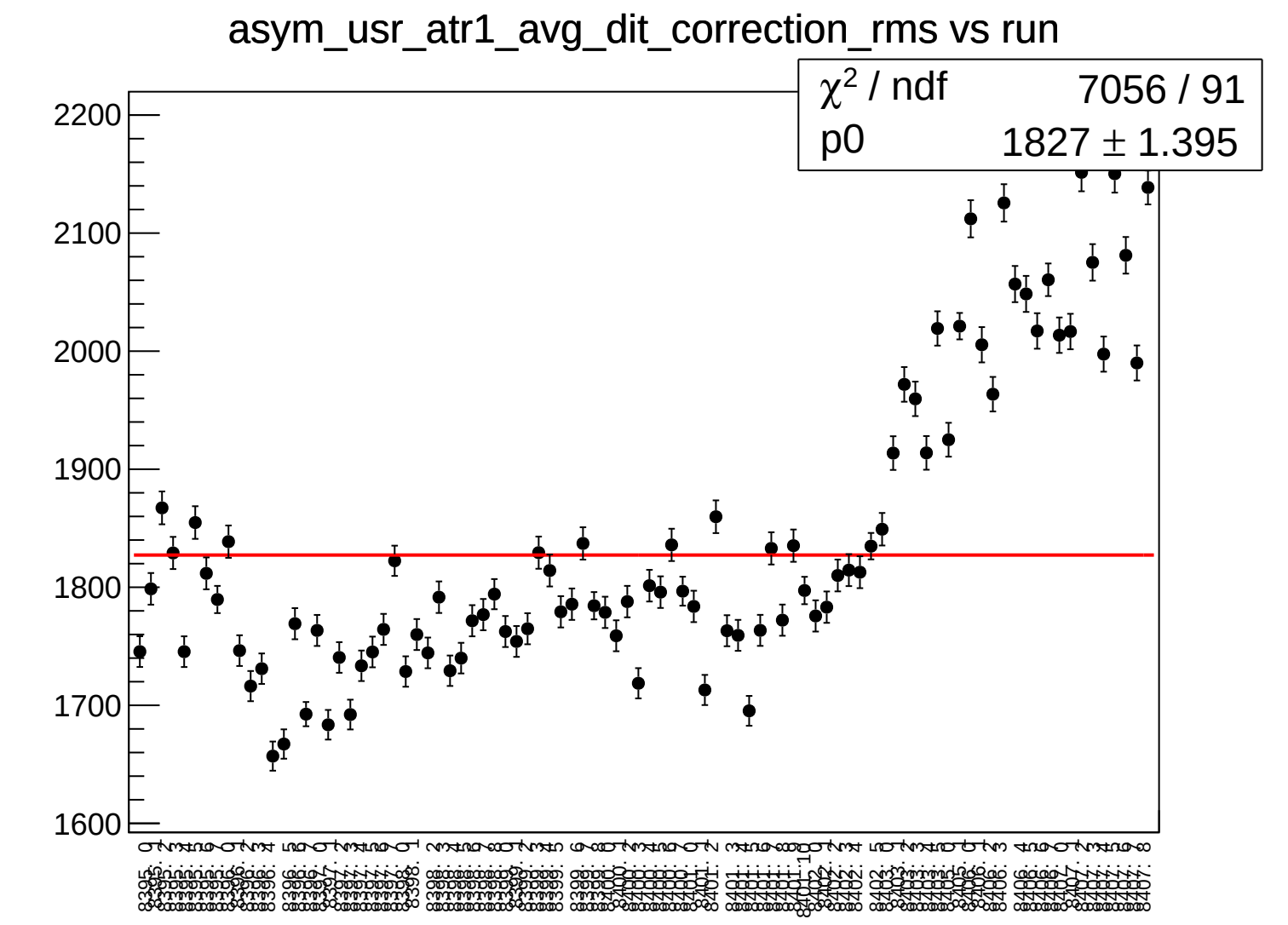

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.173e+04 / 91
p0 1821 ± 1.392
2300
2200
2100
2000
1900
1800
1700
1600
1500

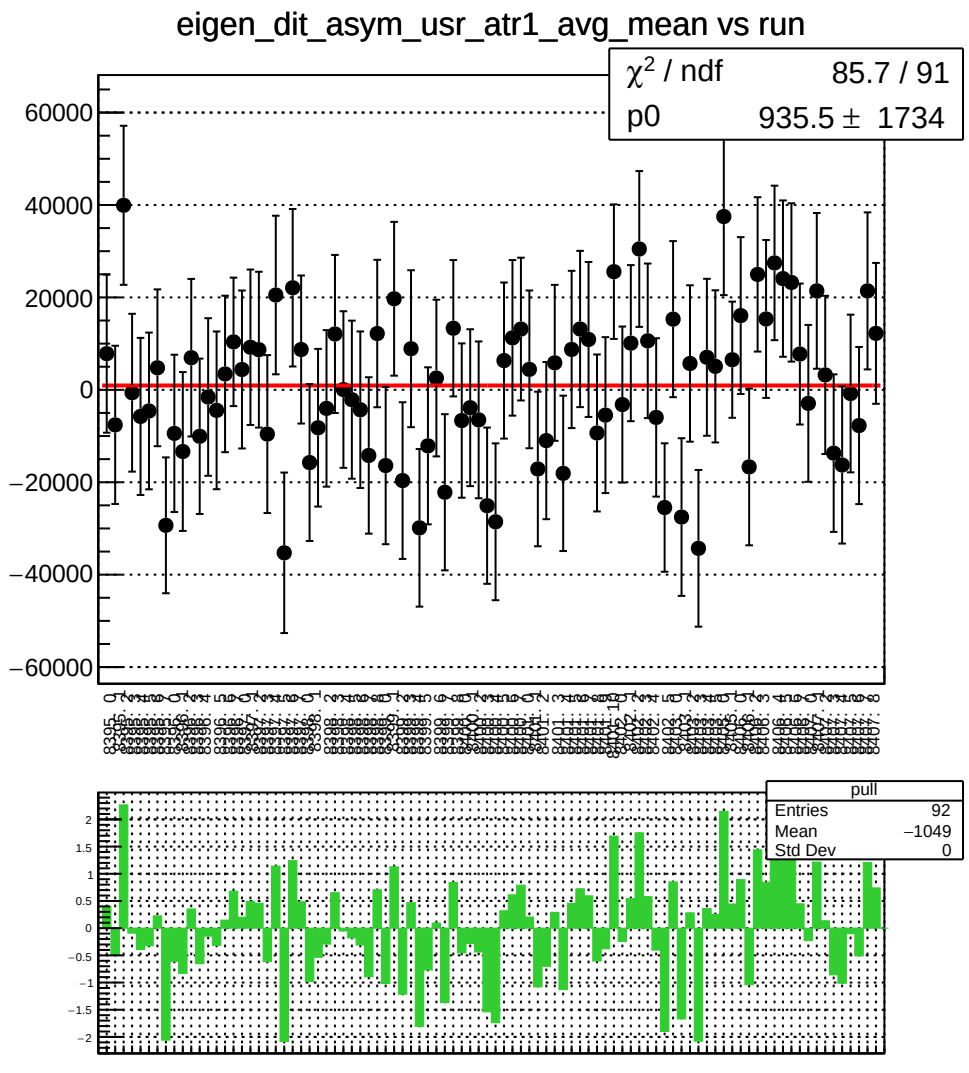

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 85.7 / 91
p0 935.5 ± 1734
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1049
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

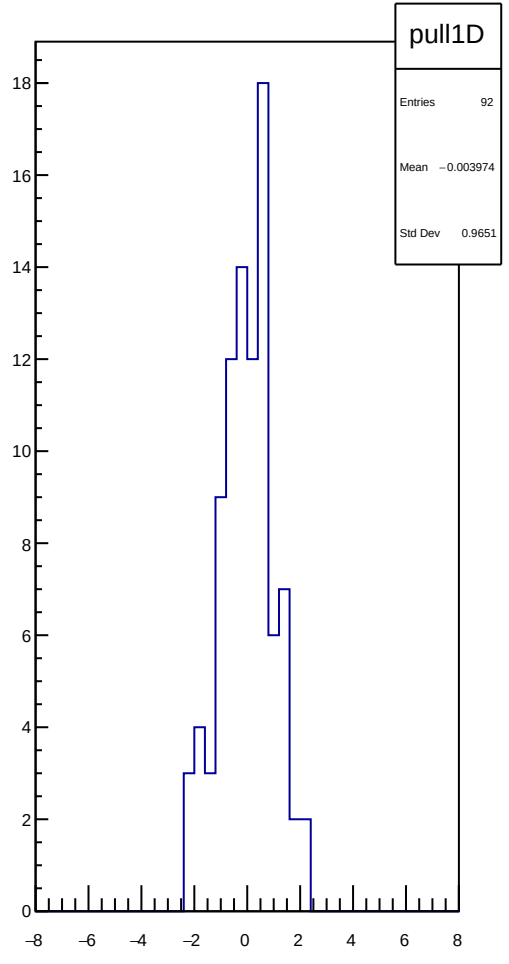

pull1D
Entries 92
Mean −0.003974
Std Dev 0.9651
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

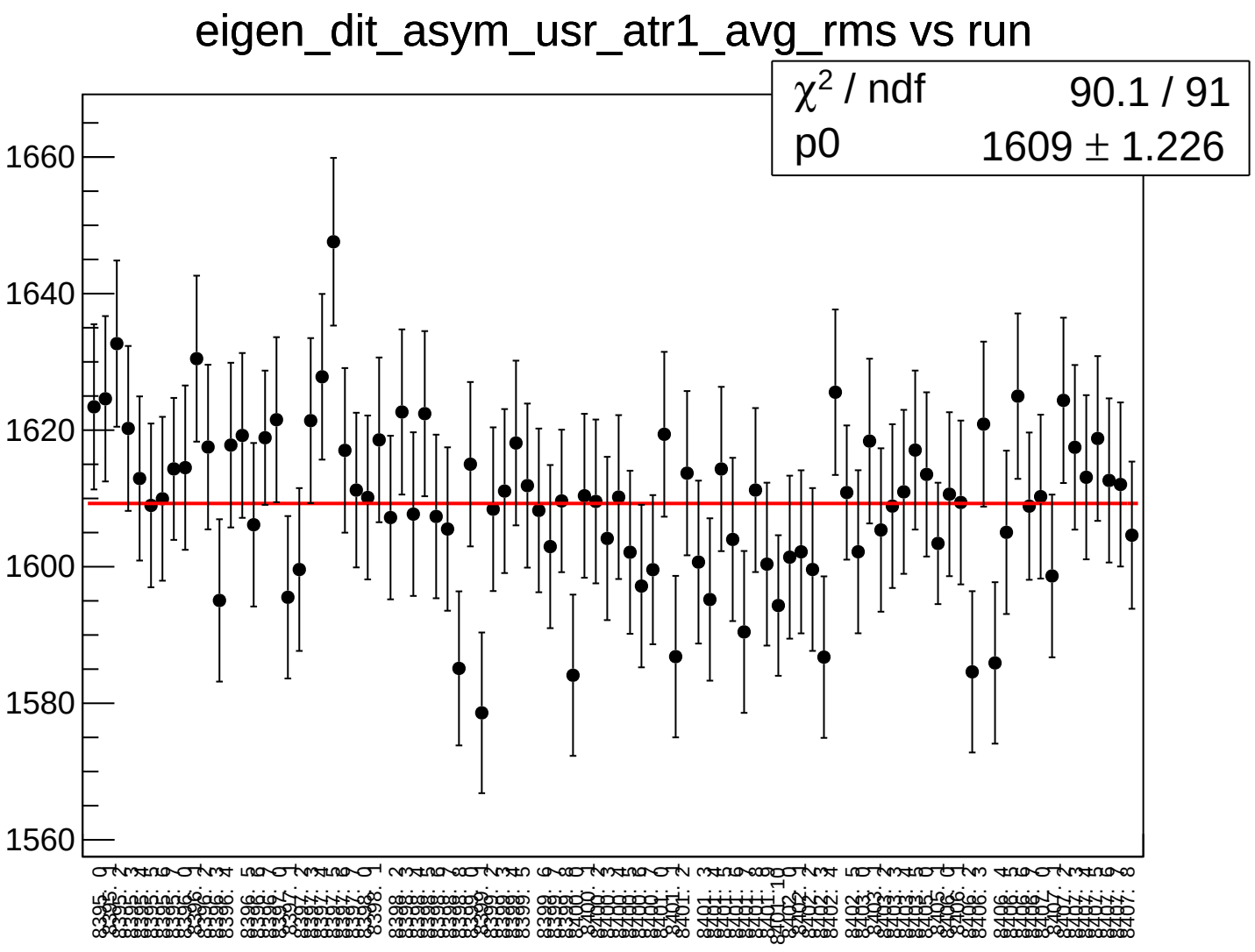

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 90.1 / 91
p0 1609 ± 1.226
1660
1640
1620
1600
1580
1560

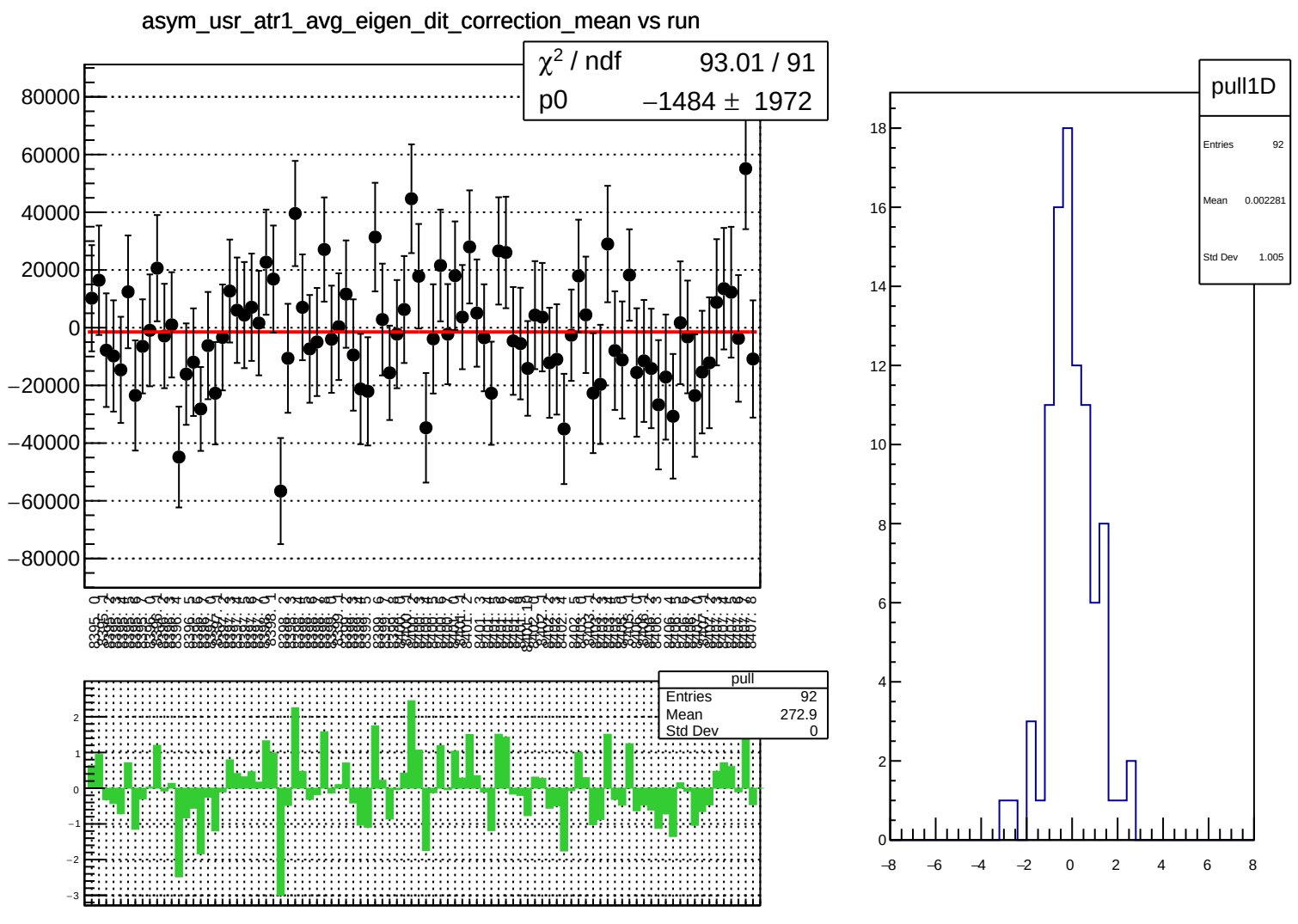

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 93.01 / 91
p0 −1484 ± 1972
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 272.9
Std Dev 0
pull1D
Entries 92
Mean 0.002281
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

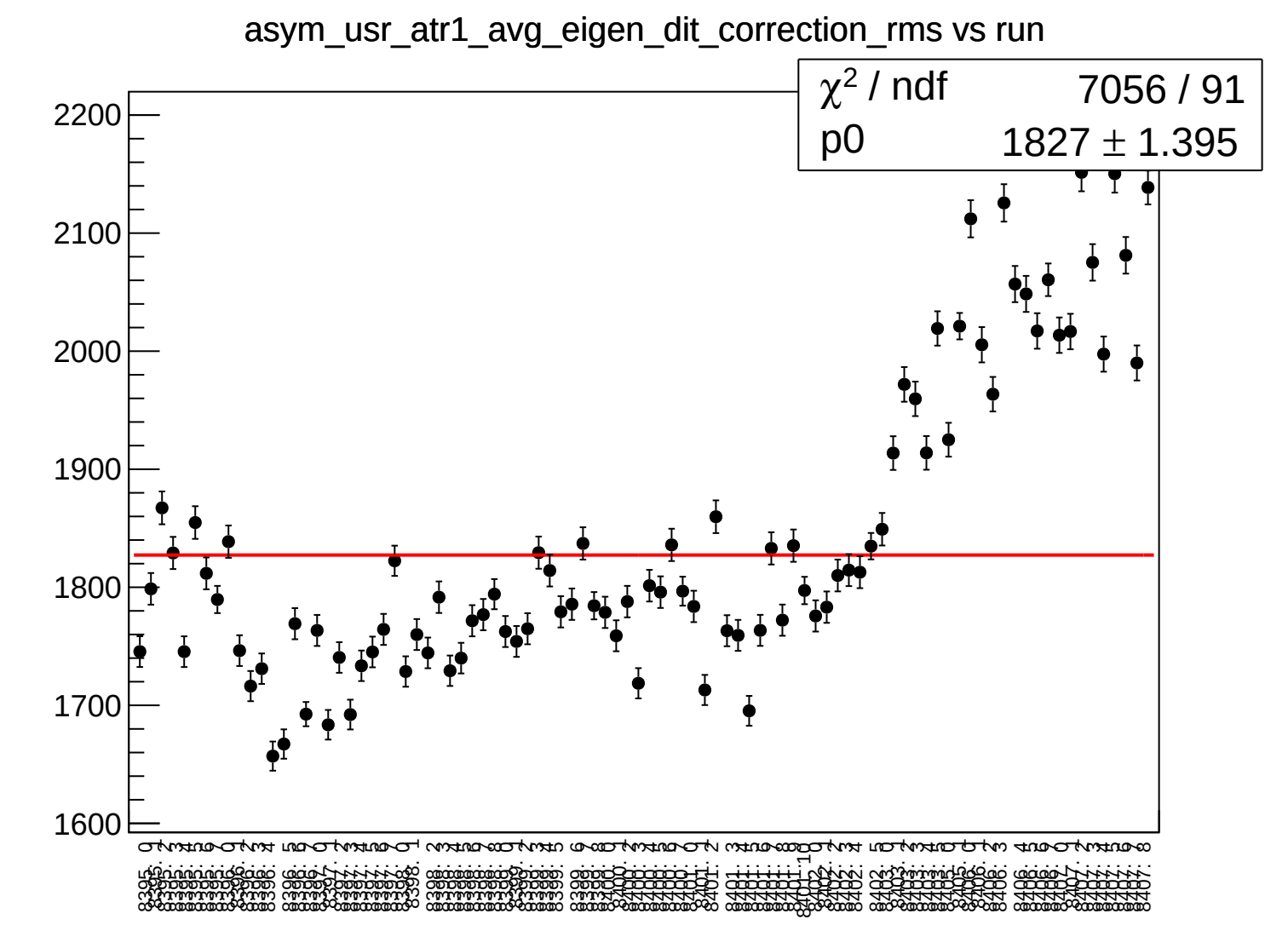

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 7056 / 91
p0 1827 ± 1.395
2200
2100
2000
1900
1800
1700
1600

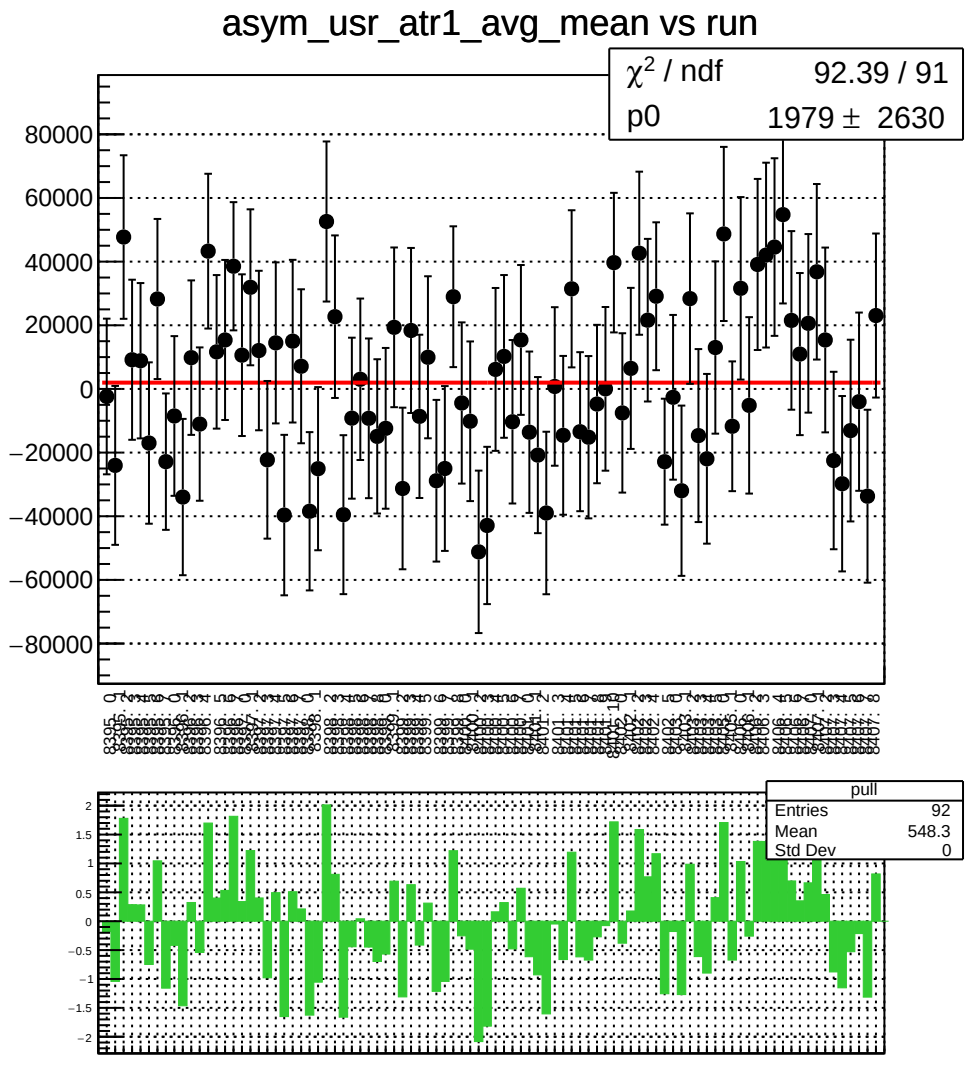

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 85.7 / 91
p0 935.5 ± 1734
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1049
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

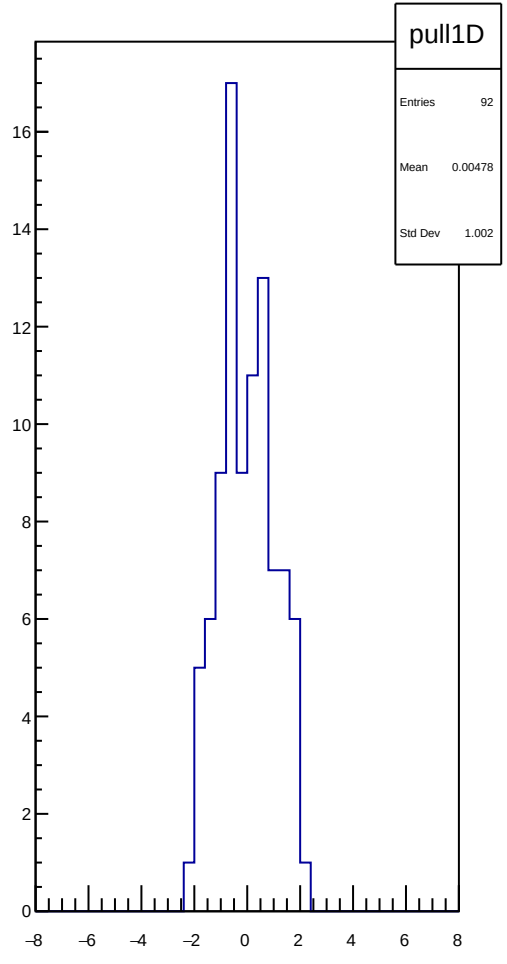

pull1D
Entries 92
Mean −0.003974
Std Dev 0.9651
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

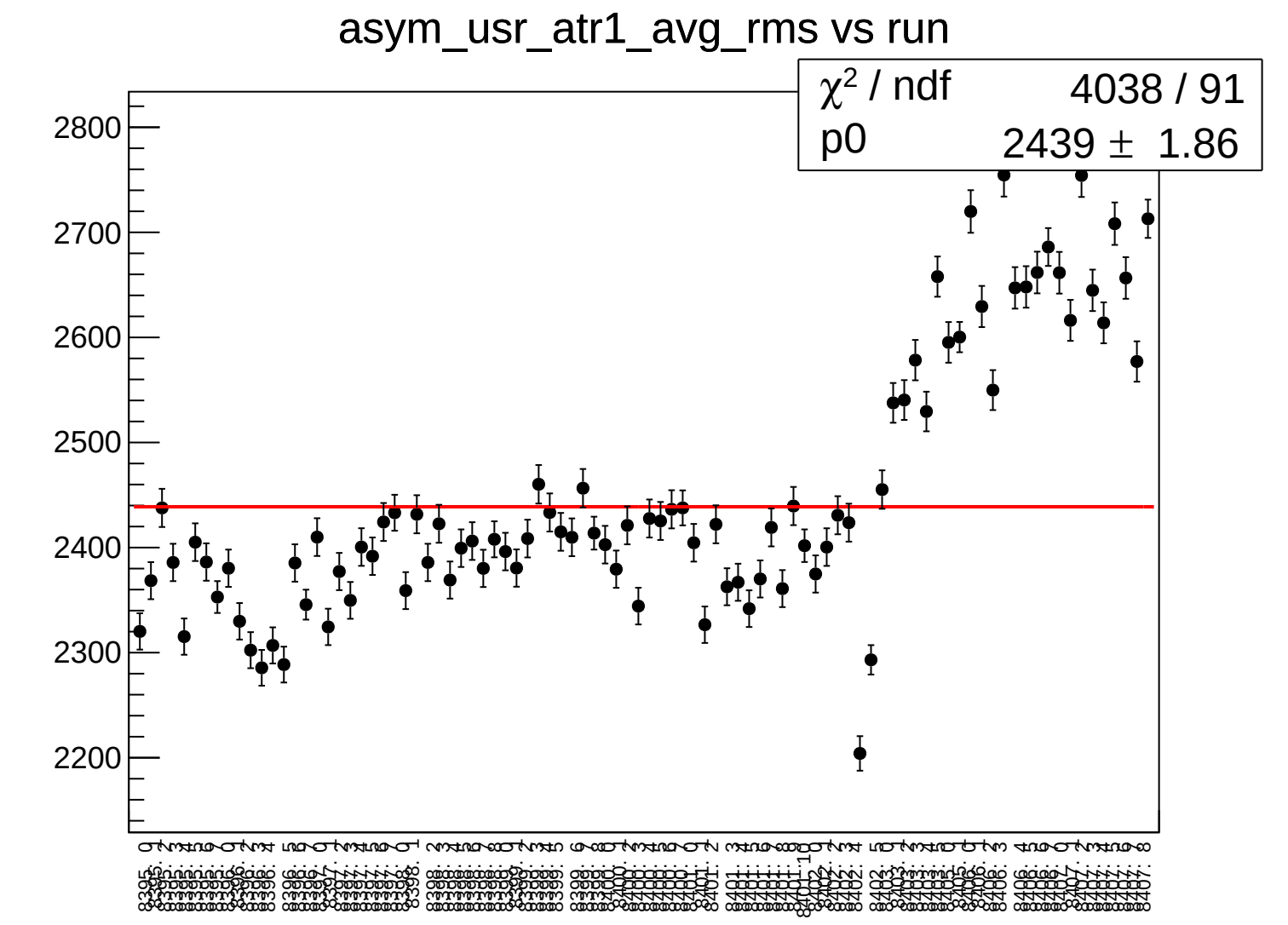

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 90.1 / 91
p0 1609 ± 1.226
1660
1640
1620
1600
1580
1560

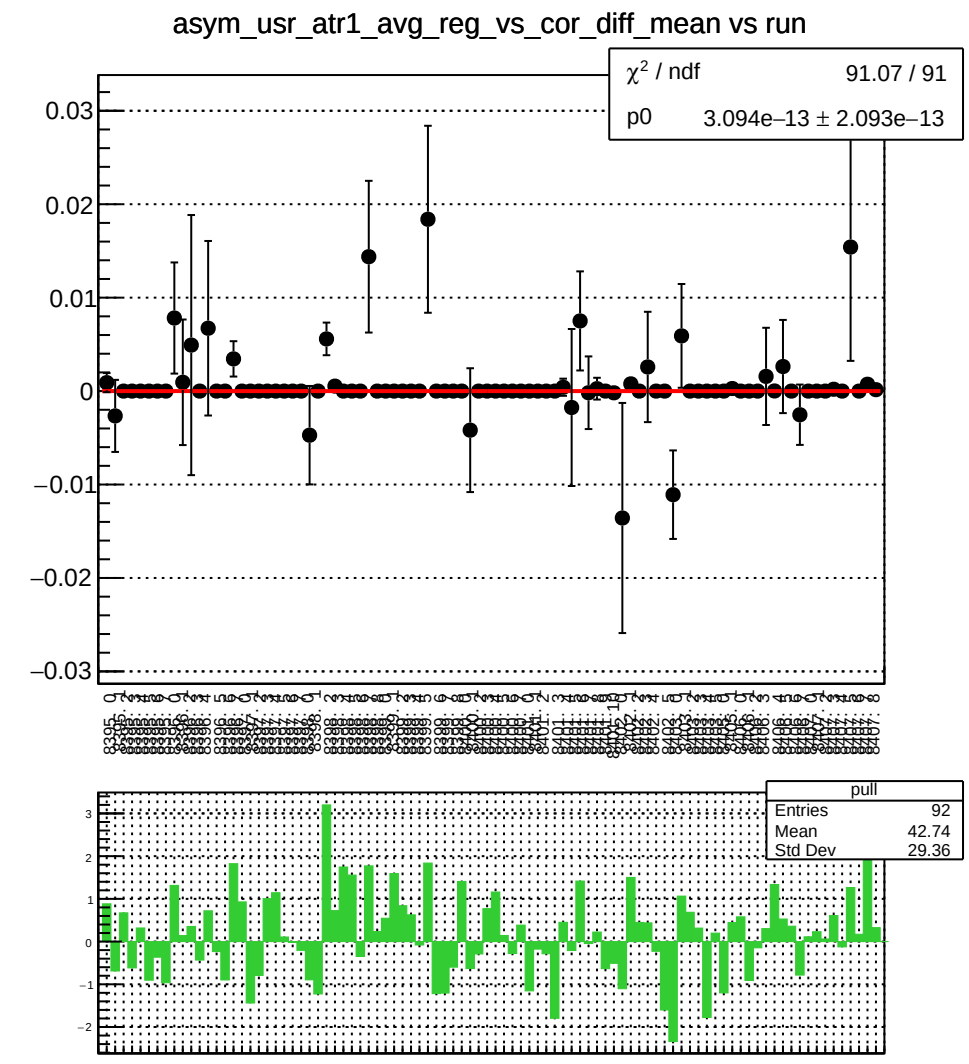

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 93.01 / 91
p0 −1484 ± 1972
pull
Entries 92
Mean 272.9
Std Dev 0
pull1D
Entries 92
Mean 0.002281
Std Dev 1.005

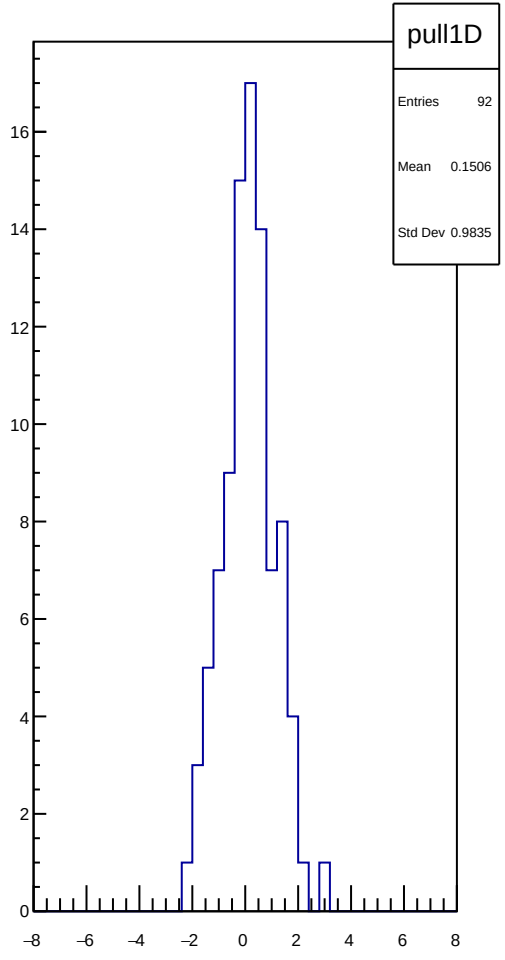

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 7056 / 91
p0 1827 ± 1.395
2200
2100
2000
1900
1800
1700
1600

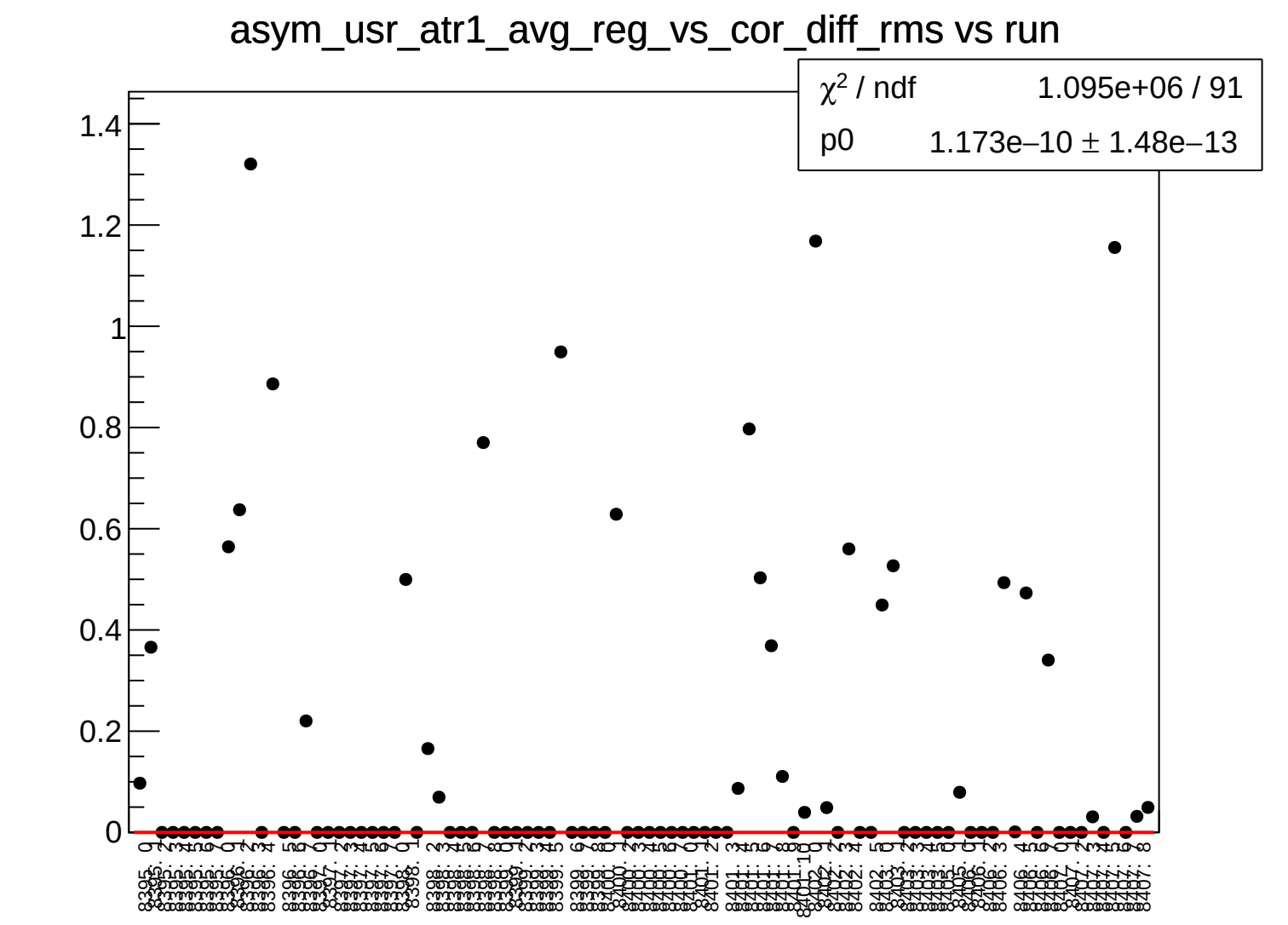

asym_usr_atr1_avg_mean vs run
χ² / ndf 92.39 / 91
p0 1979 ± 2630
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 548.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

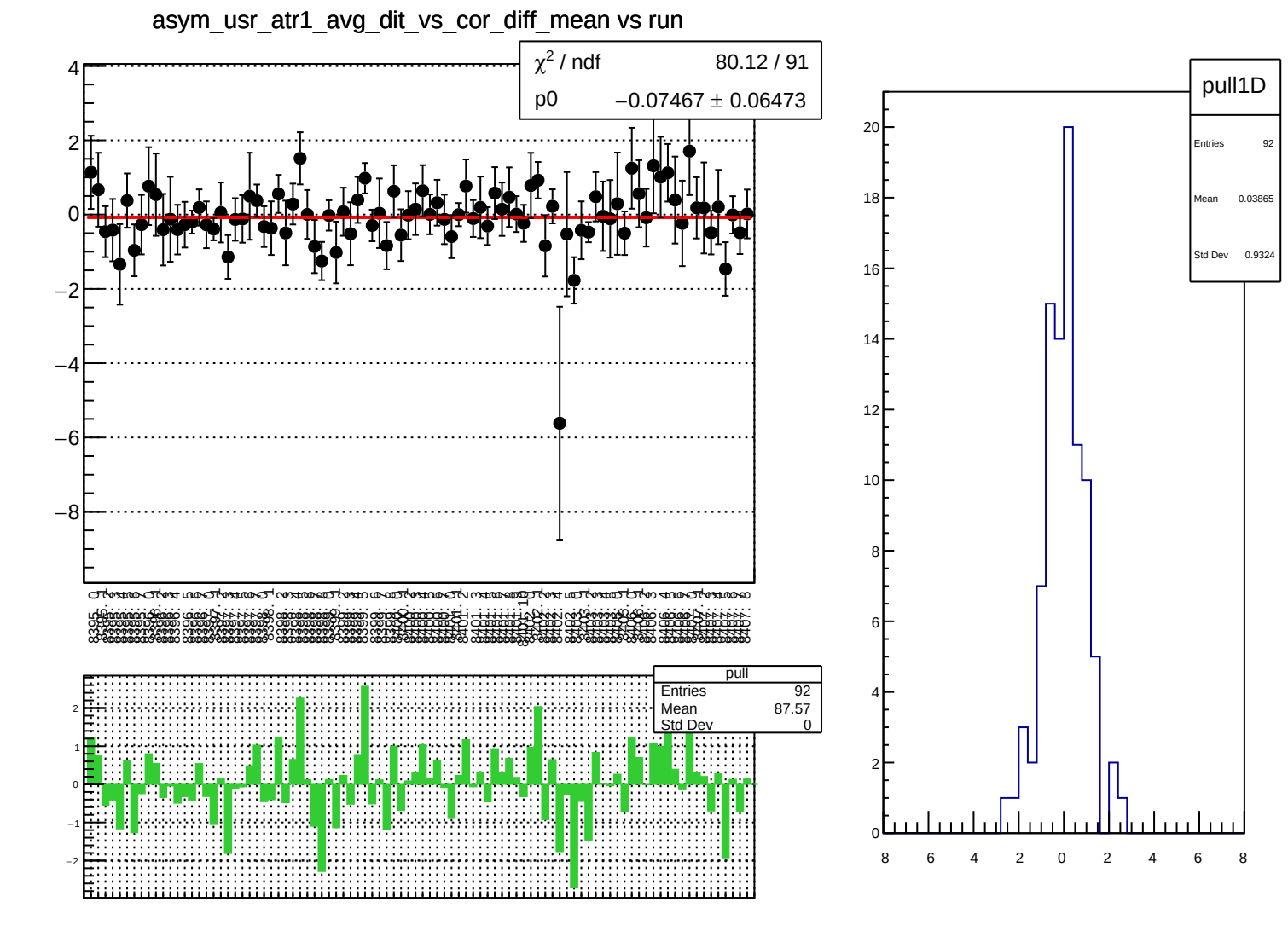

pull1D
Entries 92
Mean 0.00478
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

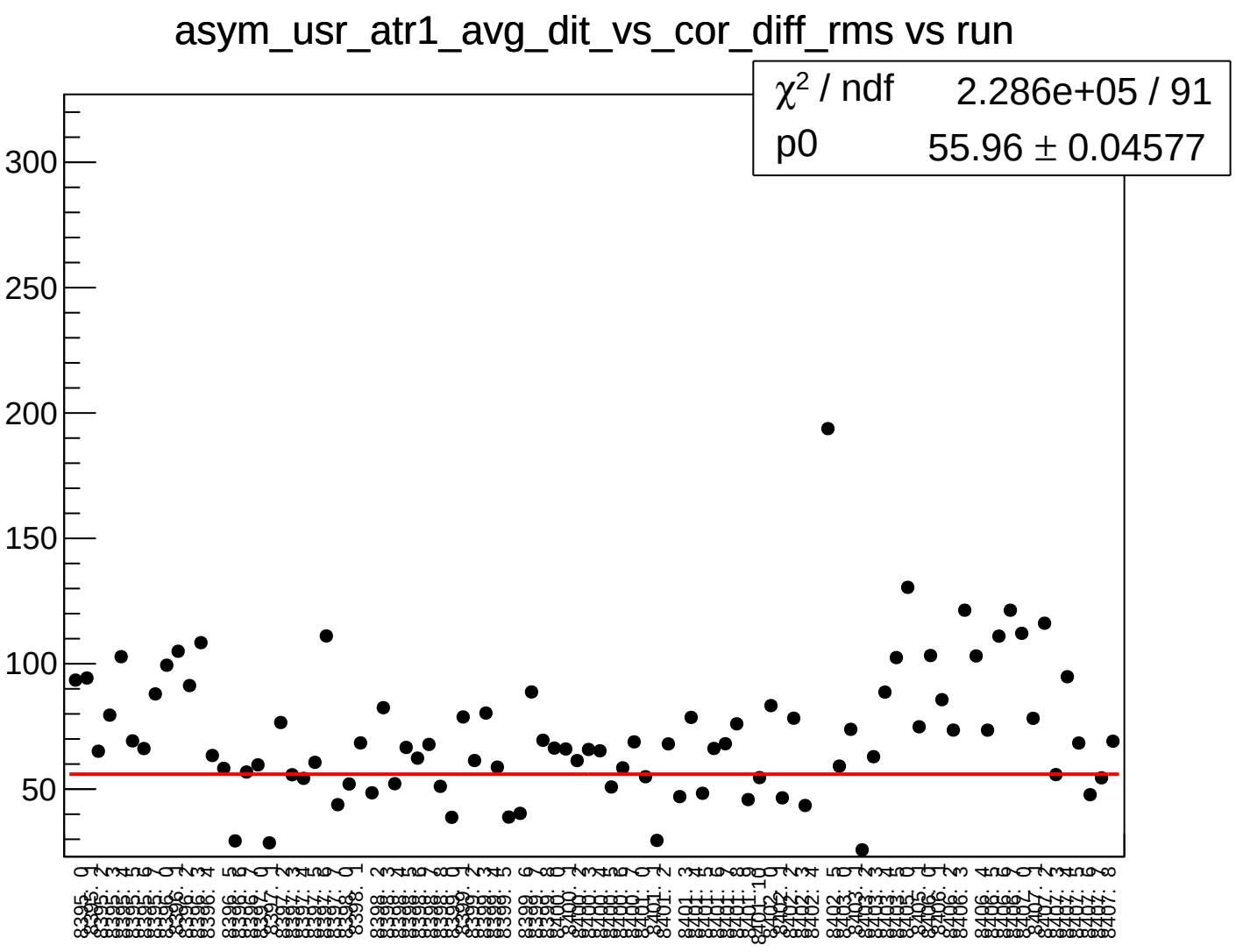

asym_usr_atr1_avg_rms vs run
χ² / ndf 4038 / 91
p0 2439 ± 1.86
2800
2700
2600
2500
2400
2300
2200

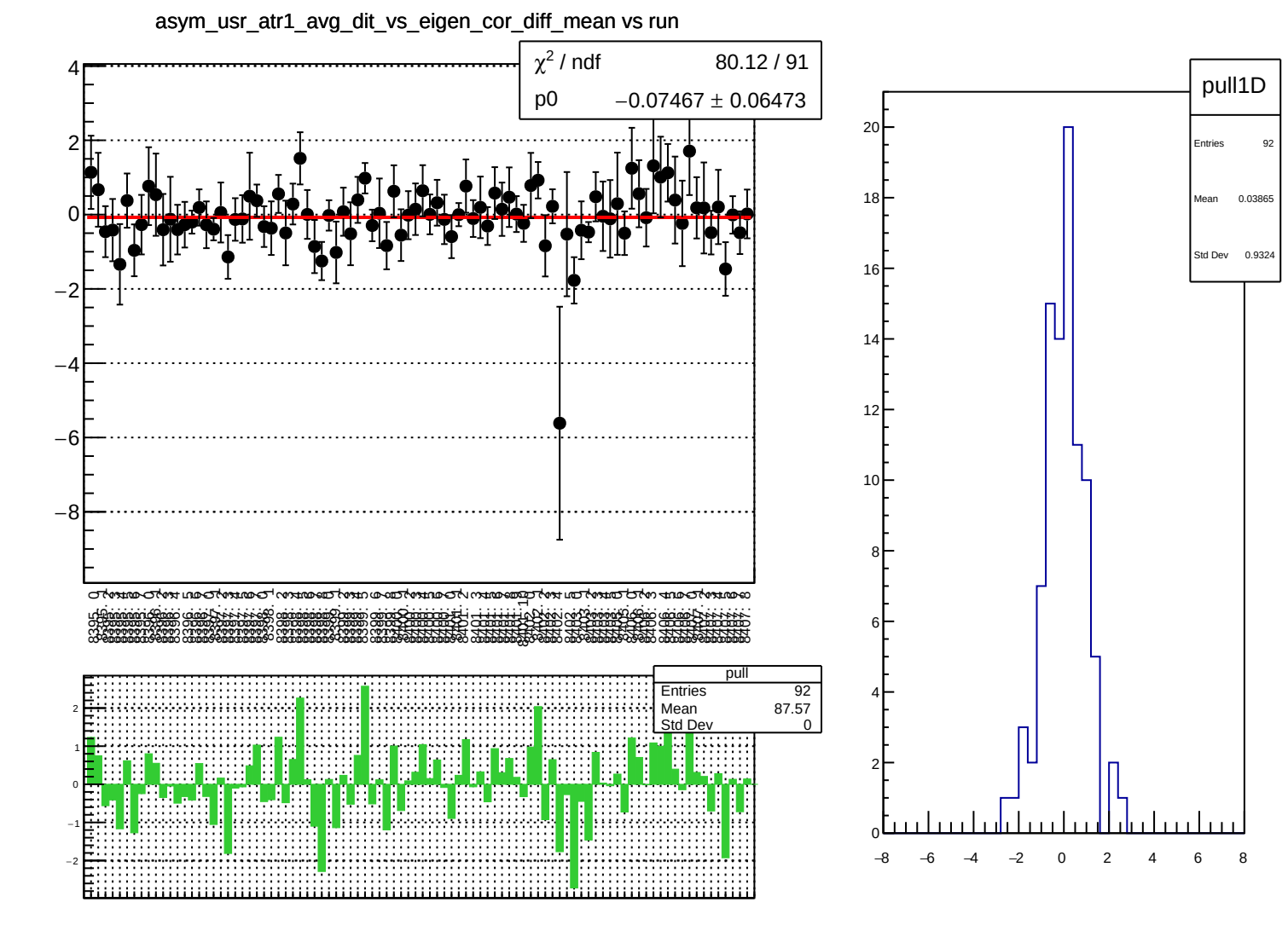

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.07 / 91
p0 3.094e−13 ± 2.093e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 42.74
Std Dev 29.36
3
2
1
0
−1
−2

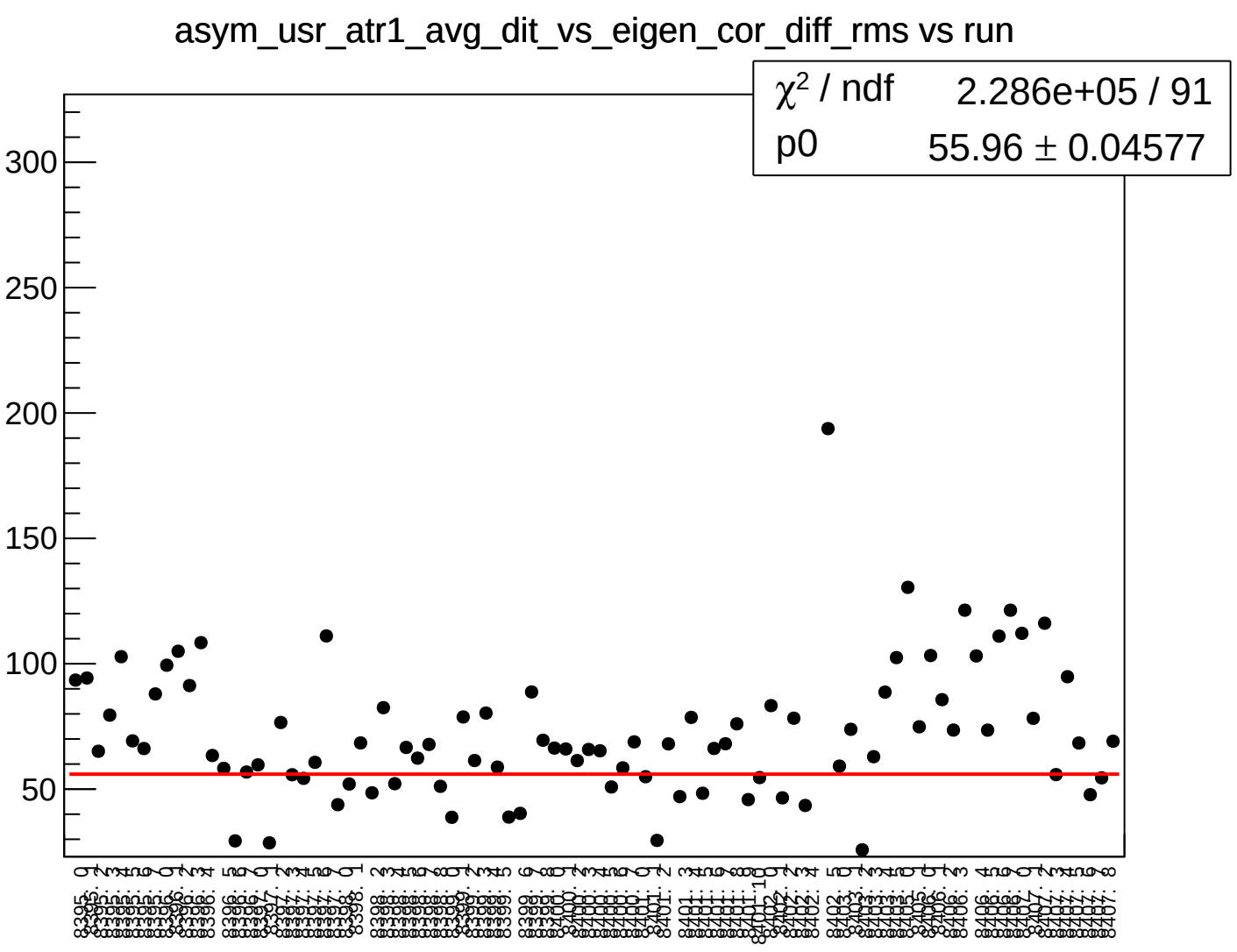

pull1D
Entries 92
Mean 0.1506
Std Dev 0.9835
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

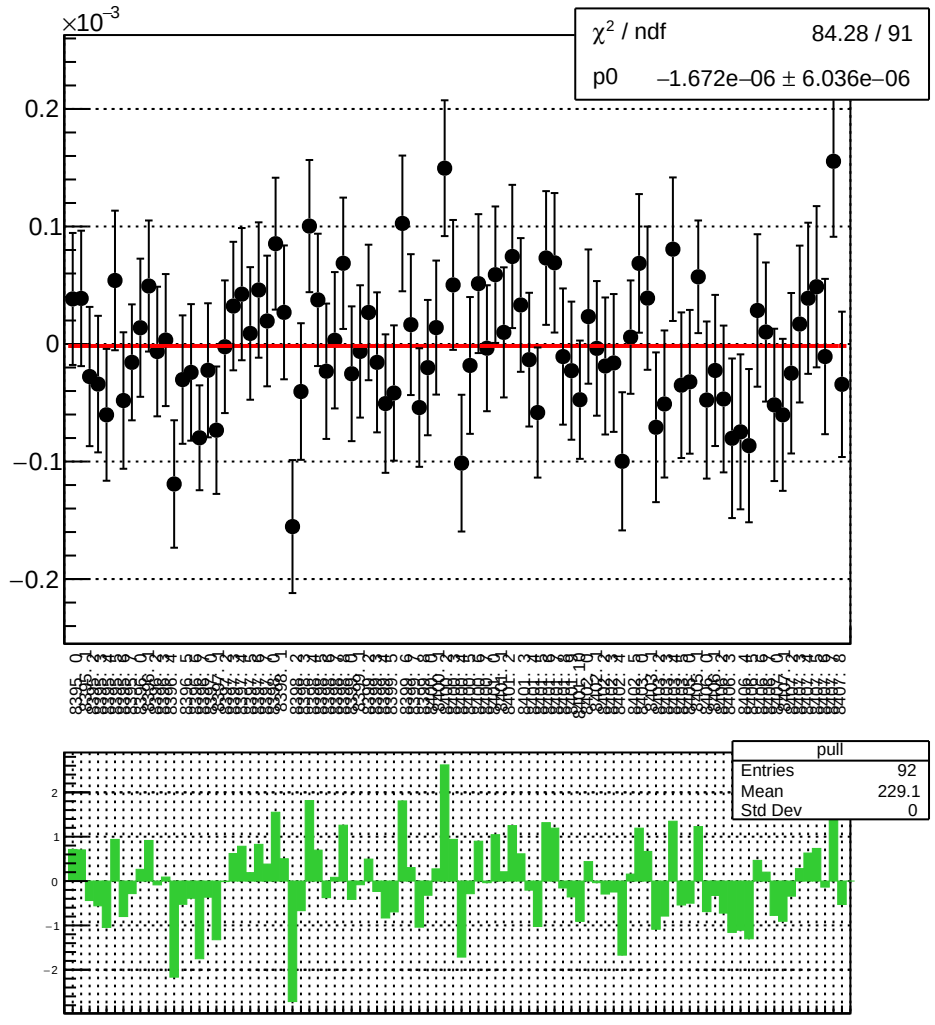

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.095e+06 / 91
p0 1.173e−10 ± 1.48e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

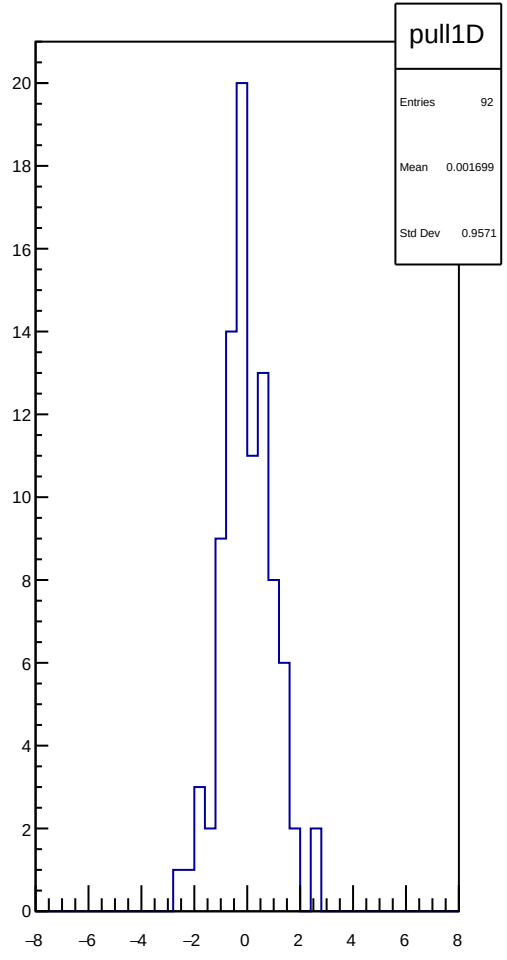

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.12 / 91
p0 −0.07467 ± 0.06473
pull
Entries 92
Mean 87.57
Std Dev 0
pull1D
Entries 92
Mean 0.03865
Std Dev 0.9324

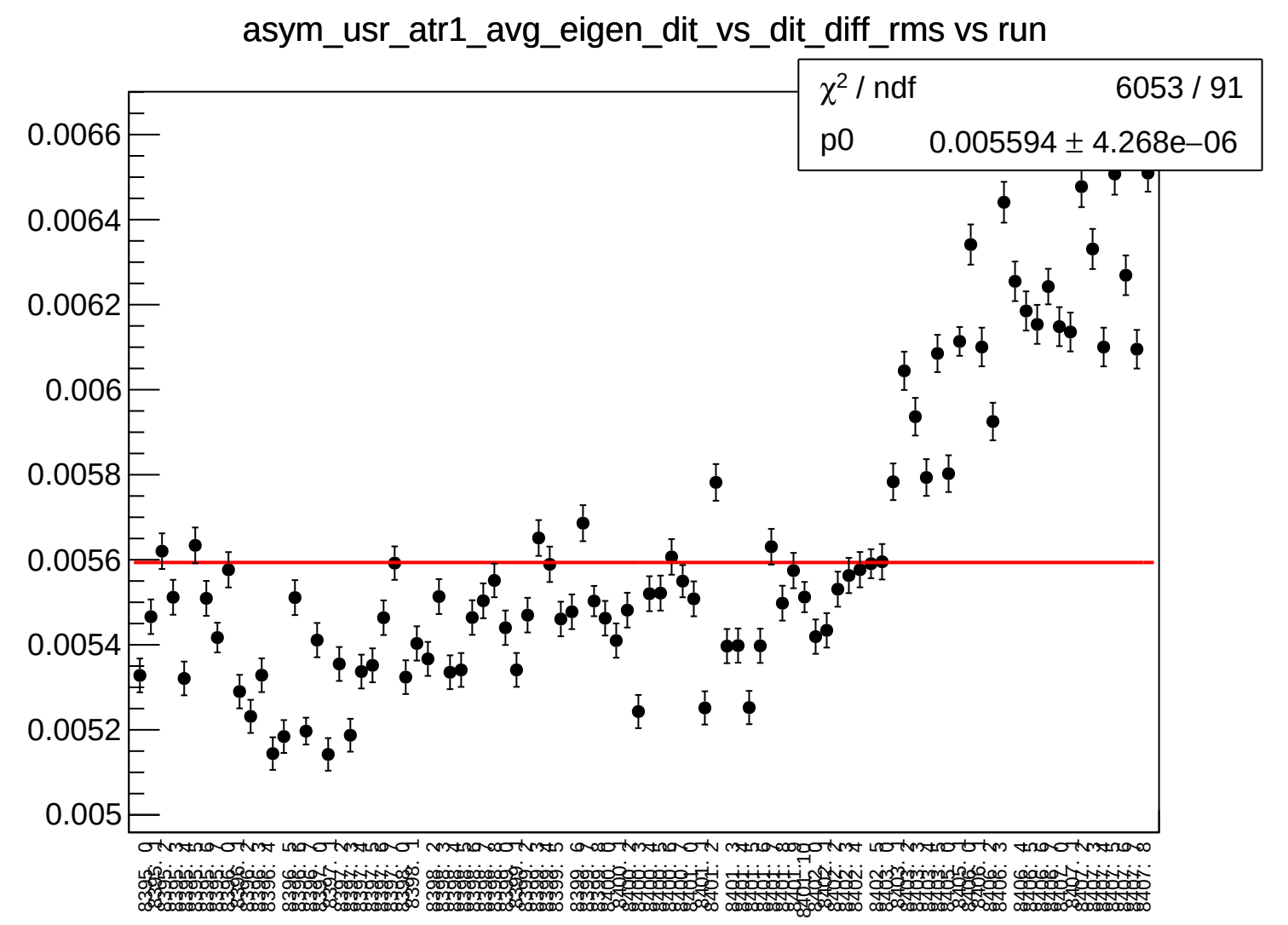

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.286e+05 / 91
p0 55.96 ± 0.04577
300
250
200
150
100
50

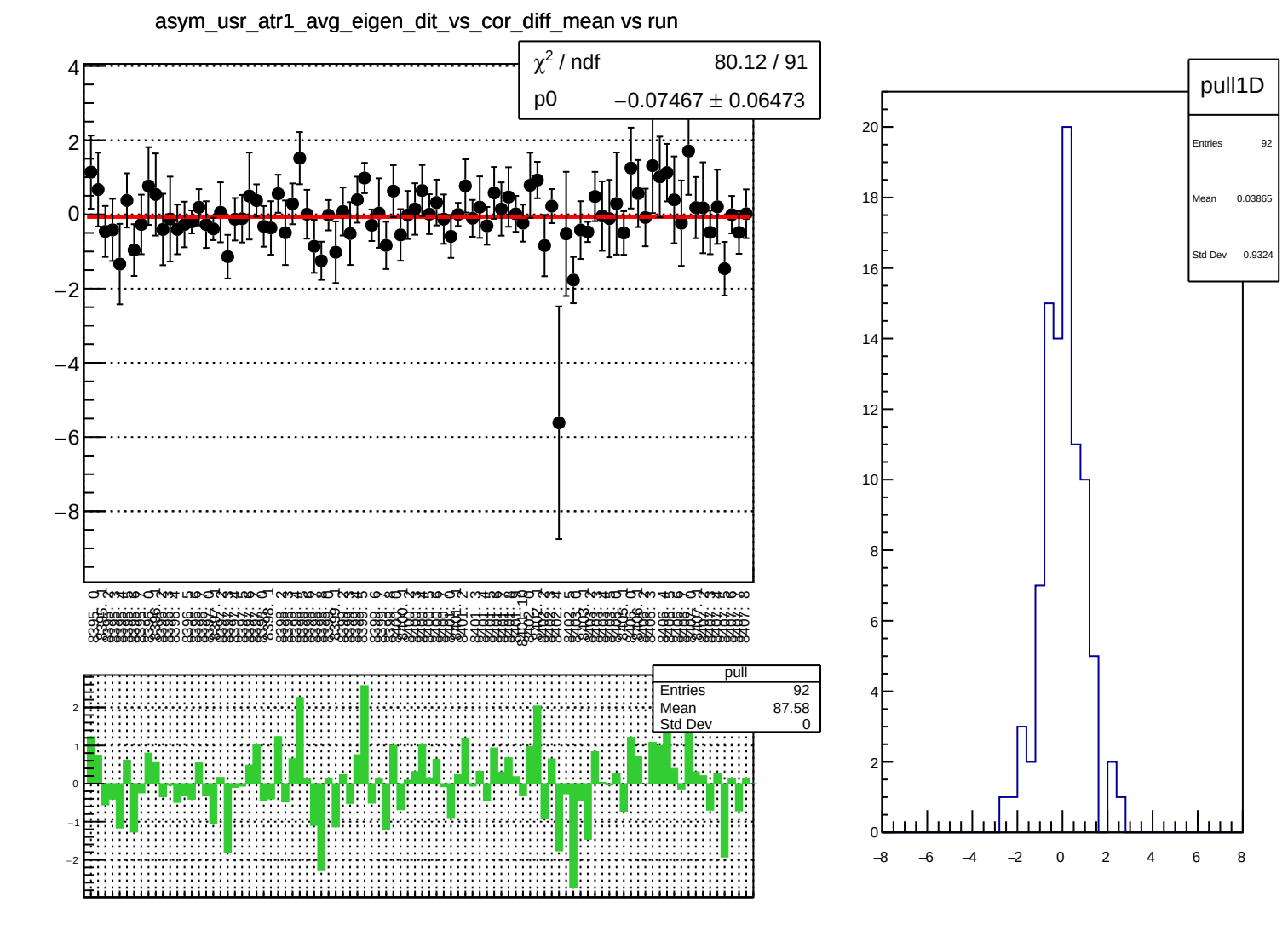

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.12 / 91
p0 −0.07467 ± 0.06473
pull
Entries 92
Mean 87.57
Std Dev 0
pull1D
Entries 92
Mean 0.03865
Std Dev 0.9324

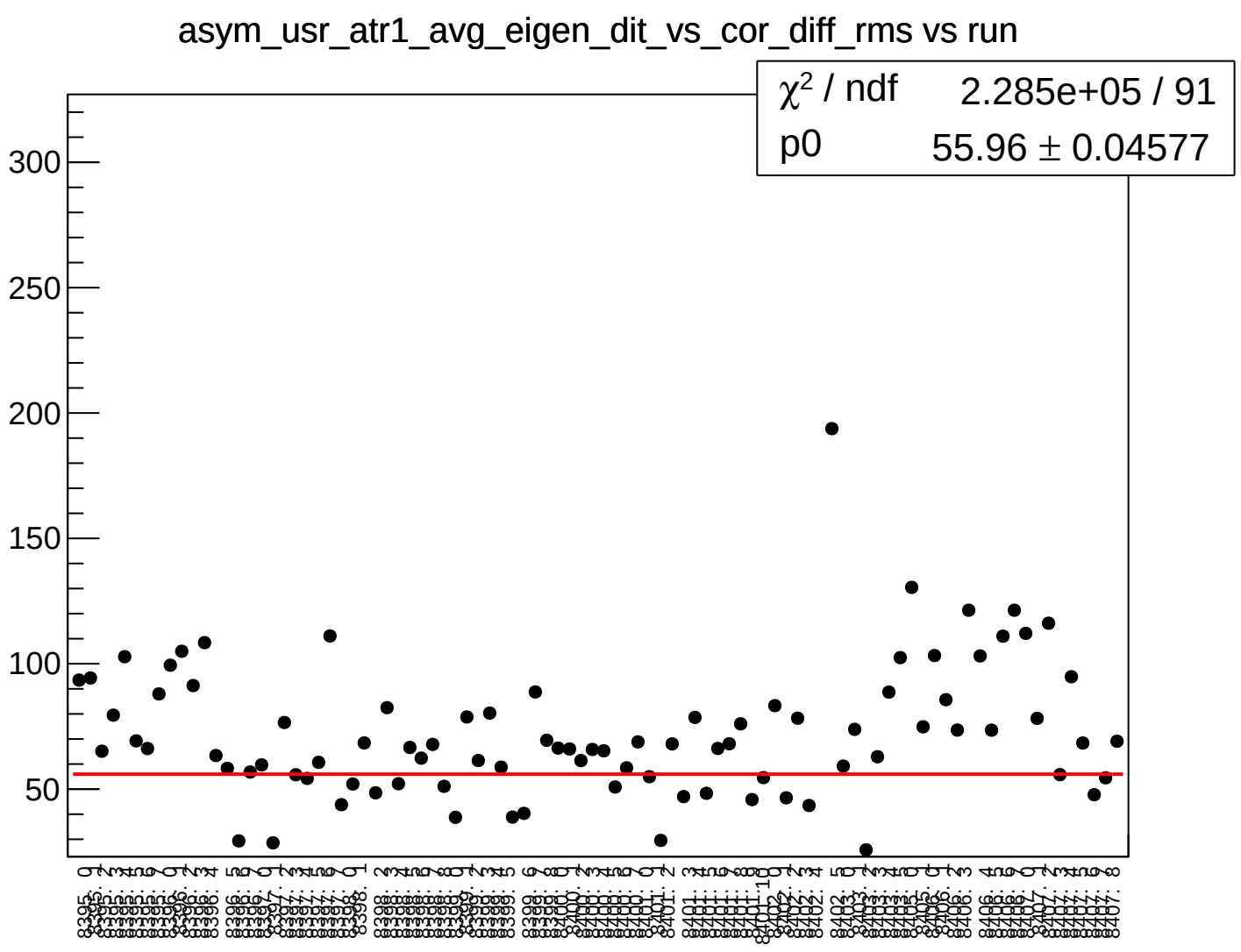

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.286e+05 / 91
p0 55.96 ± 0.04577
300
250
200
150
100
50

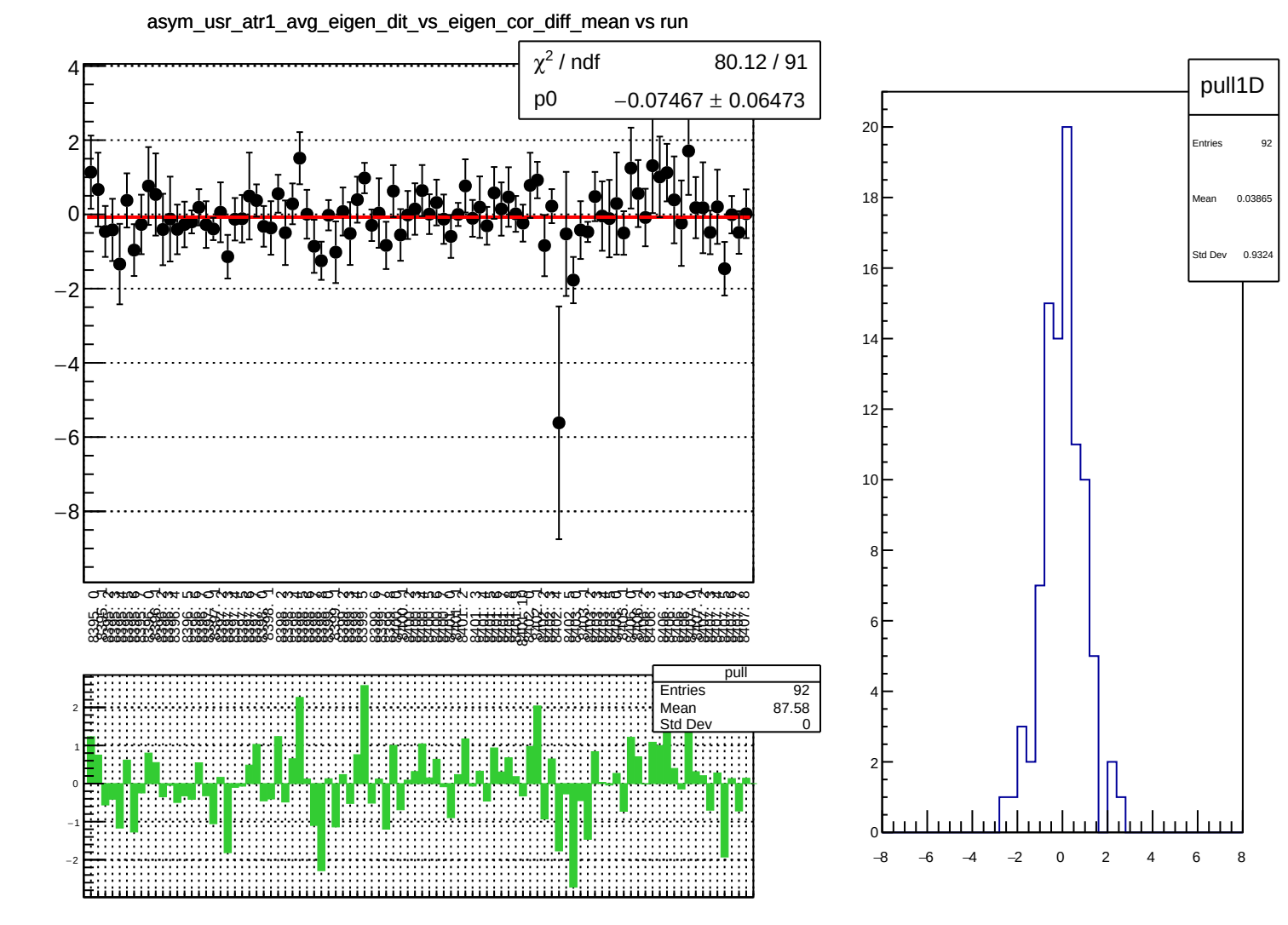

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.28 / 91
p0 −1.672e−06 ± 6.036e−06
pull
Entries 92
Mean 229.1
Std Dev 0

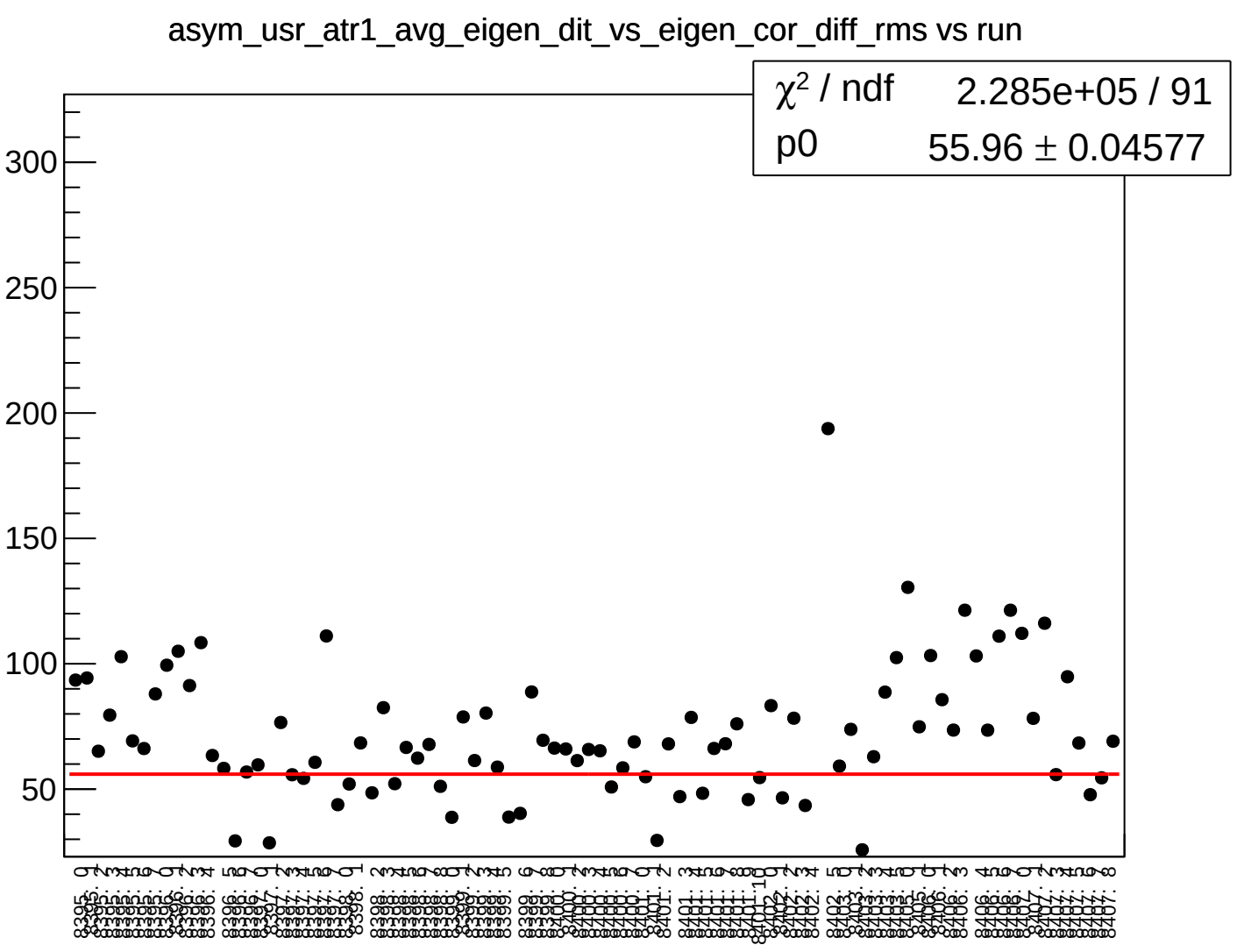

pull1D
Entries 92
Mean 0.001699
Std Dev 0.9571

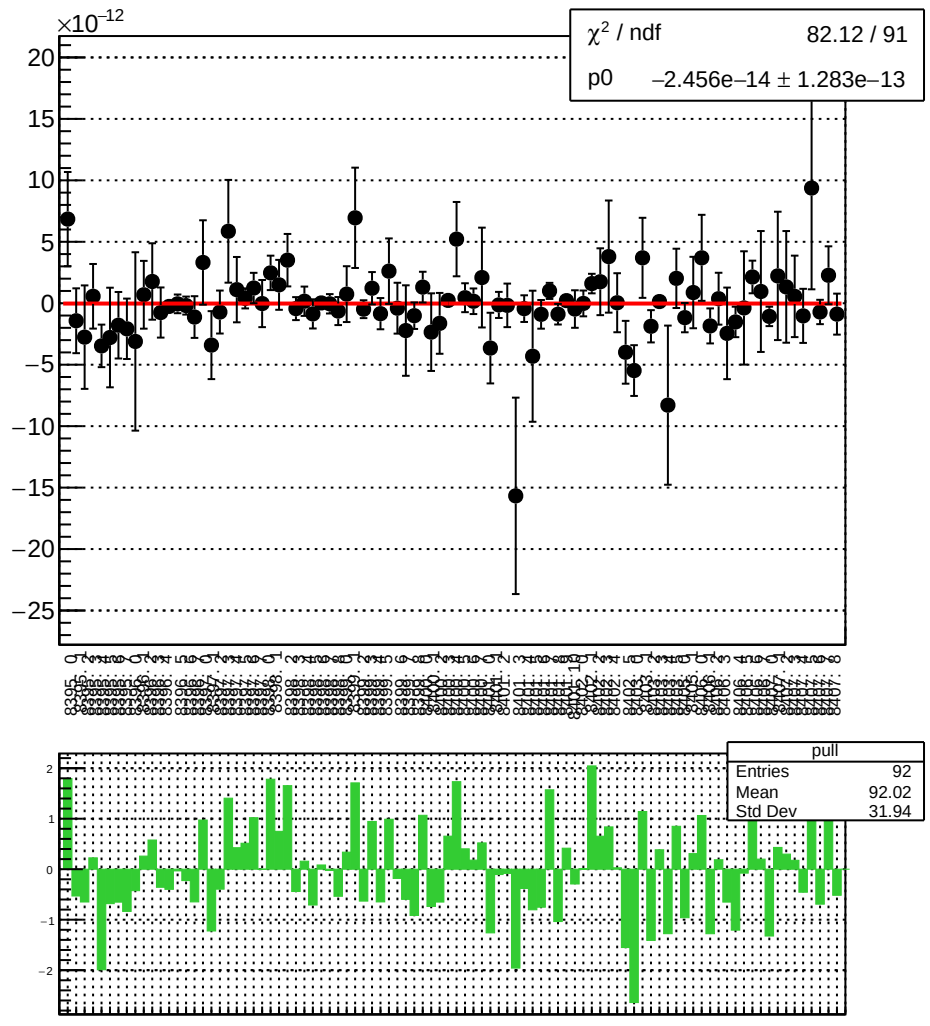

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6053 / 91
p0 0.005594 ± 4.268e−06
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005

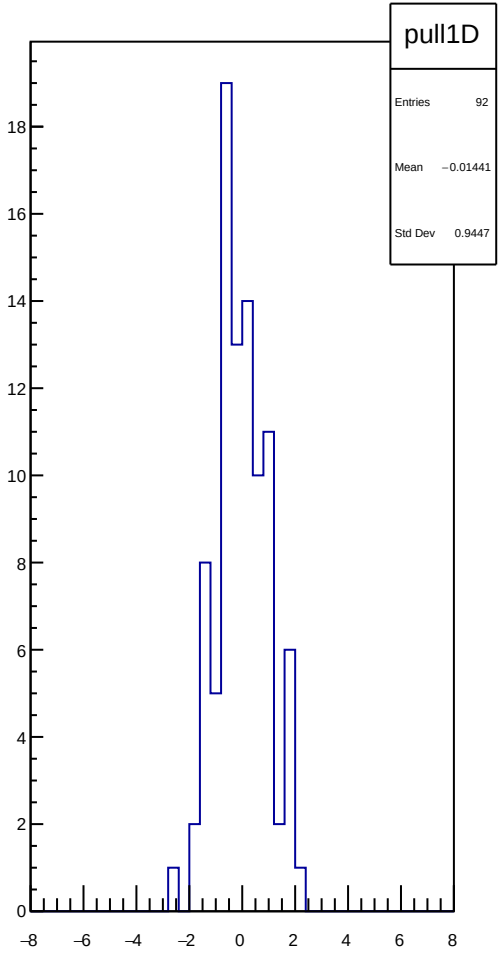

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.12 / 91
p0 −0.07467 ± 0.06473
pull
Entries 92
Mean 87.58
Std Dev 0
pull1D
Entries 92
Mean 0.03865
Std Dev 0.9324

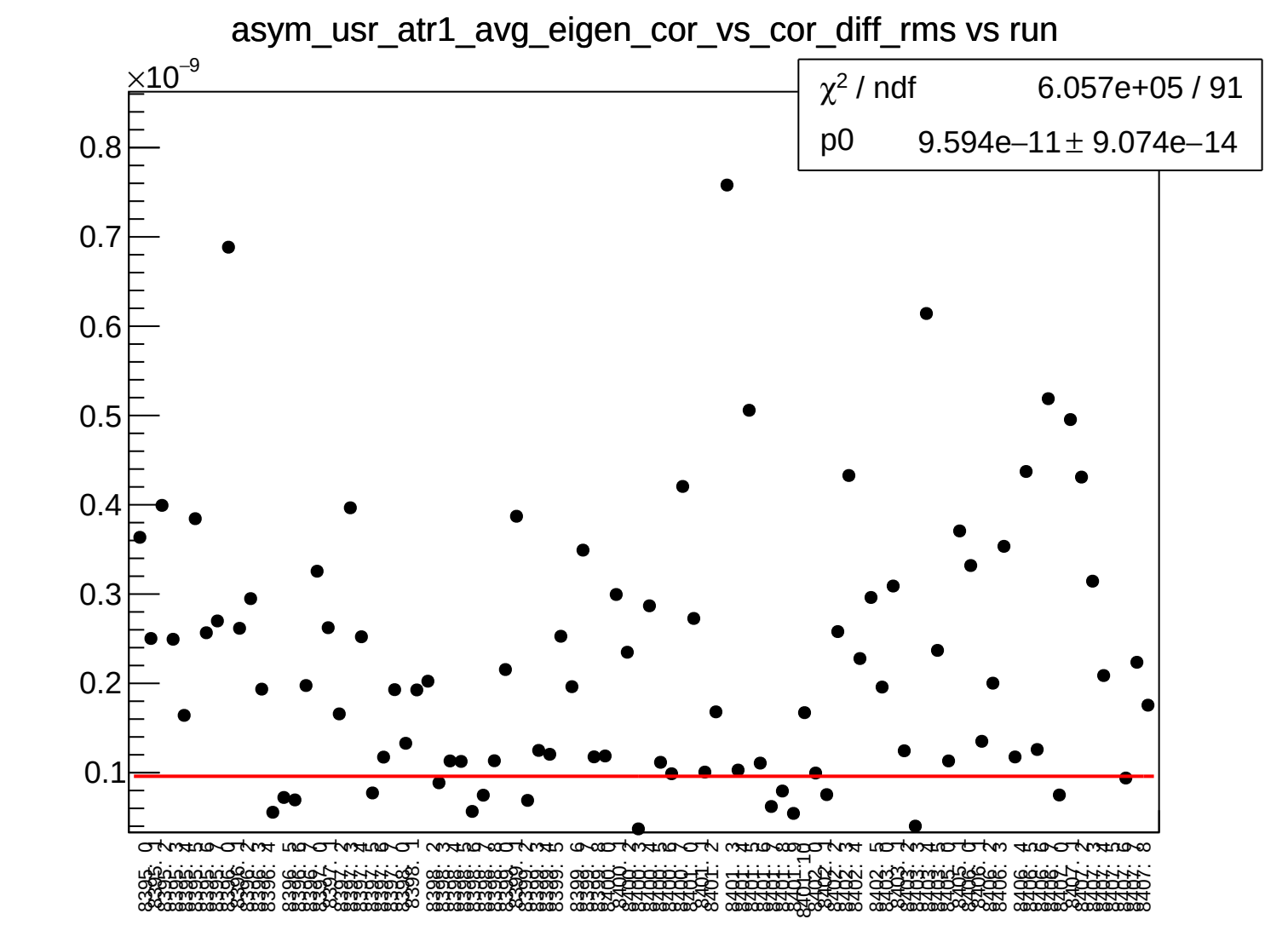

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.285e+05 / 91
p0 55.96 ± 0.04577
300
250
200
150
100
50

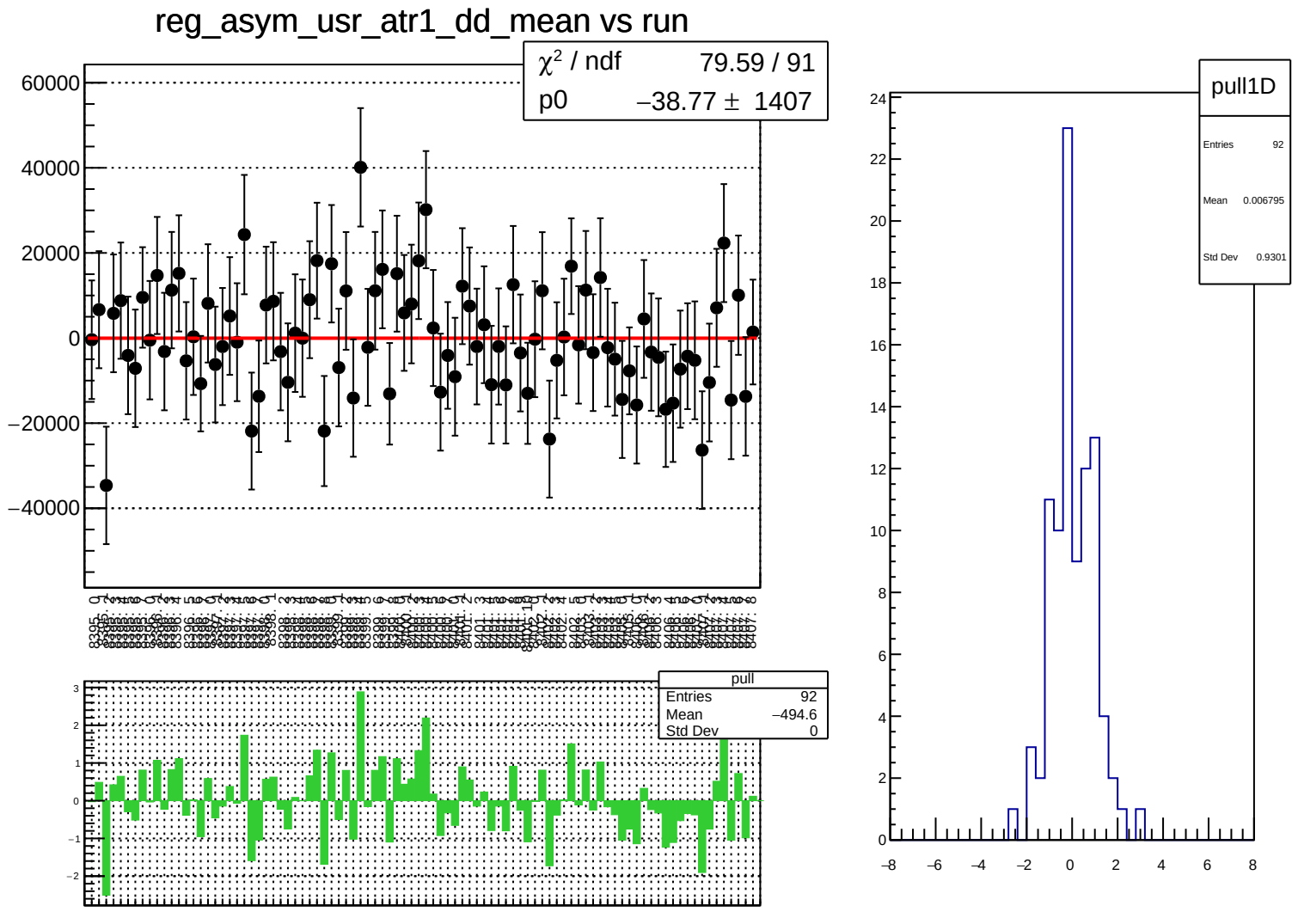

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.12 / 91
p0 −0.07467 ± 0.06473
pull
Entries 92
Mean 87.58
Std Dev 0
pull1D
Entries 92
Mean 0.03865
Std Dev 0.9324

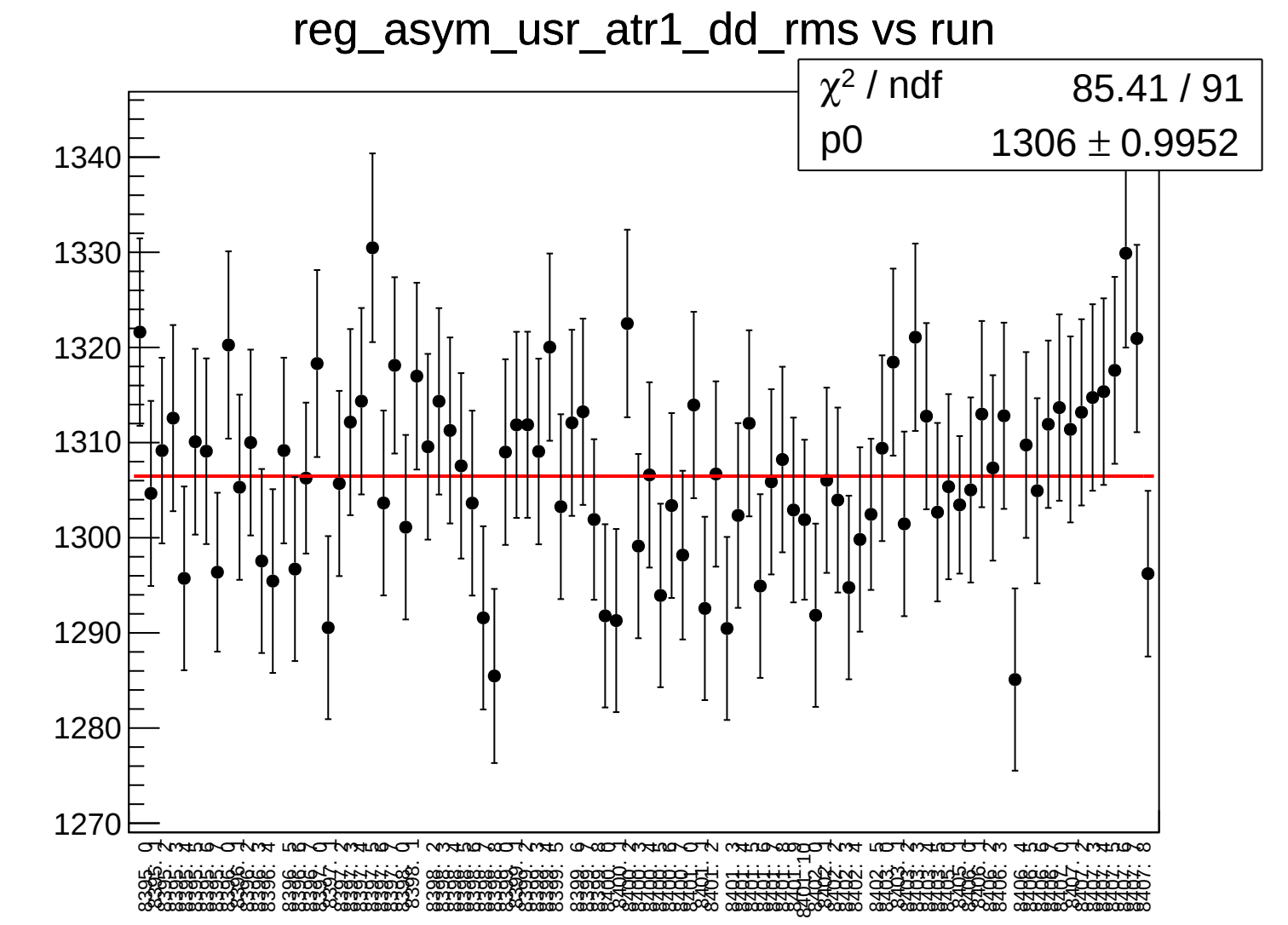

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.285e+05 / 91
p0 55.96 ± 0.04577
300
250
200
150
100
50

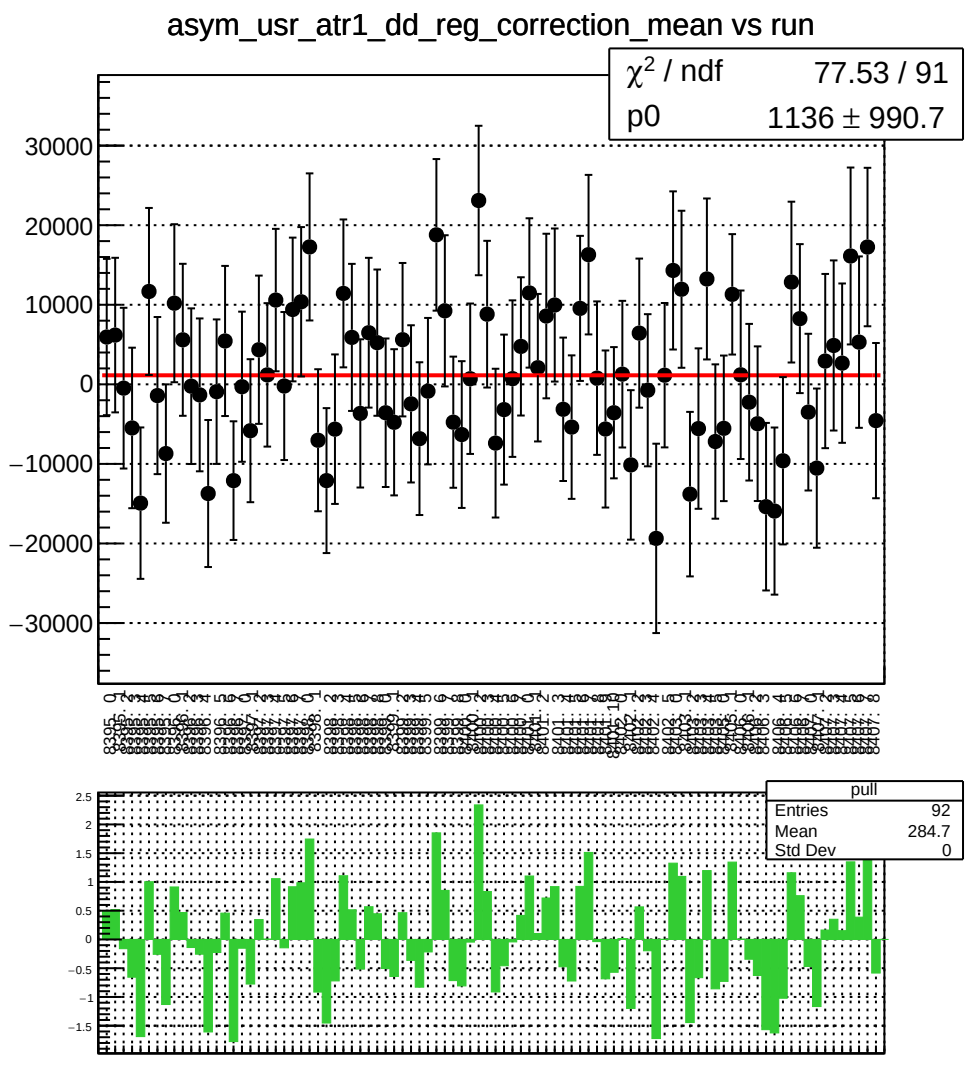

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.12 / 91
p0 −2.456e−14 ± 1.283e−13
pull
Entries 92
Mean 92.02
Std Dev 31.94

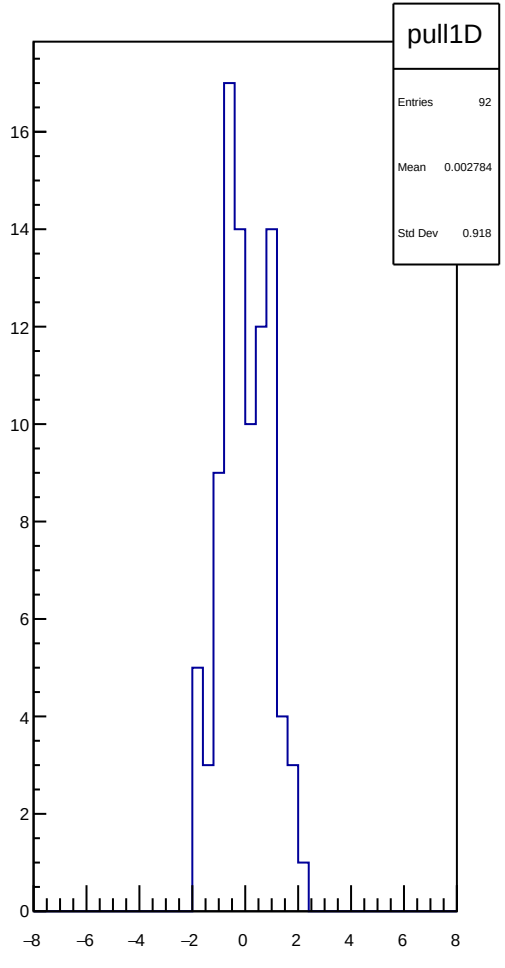

pull1D
Entries 92
Mean −0.01441
Std Dev 0.9447

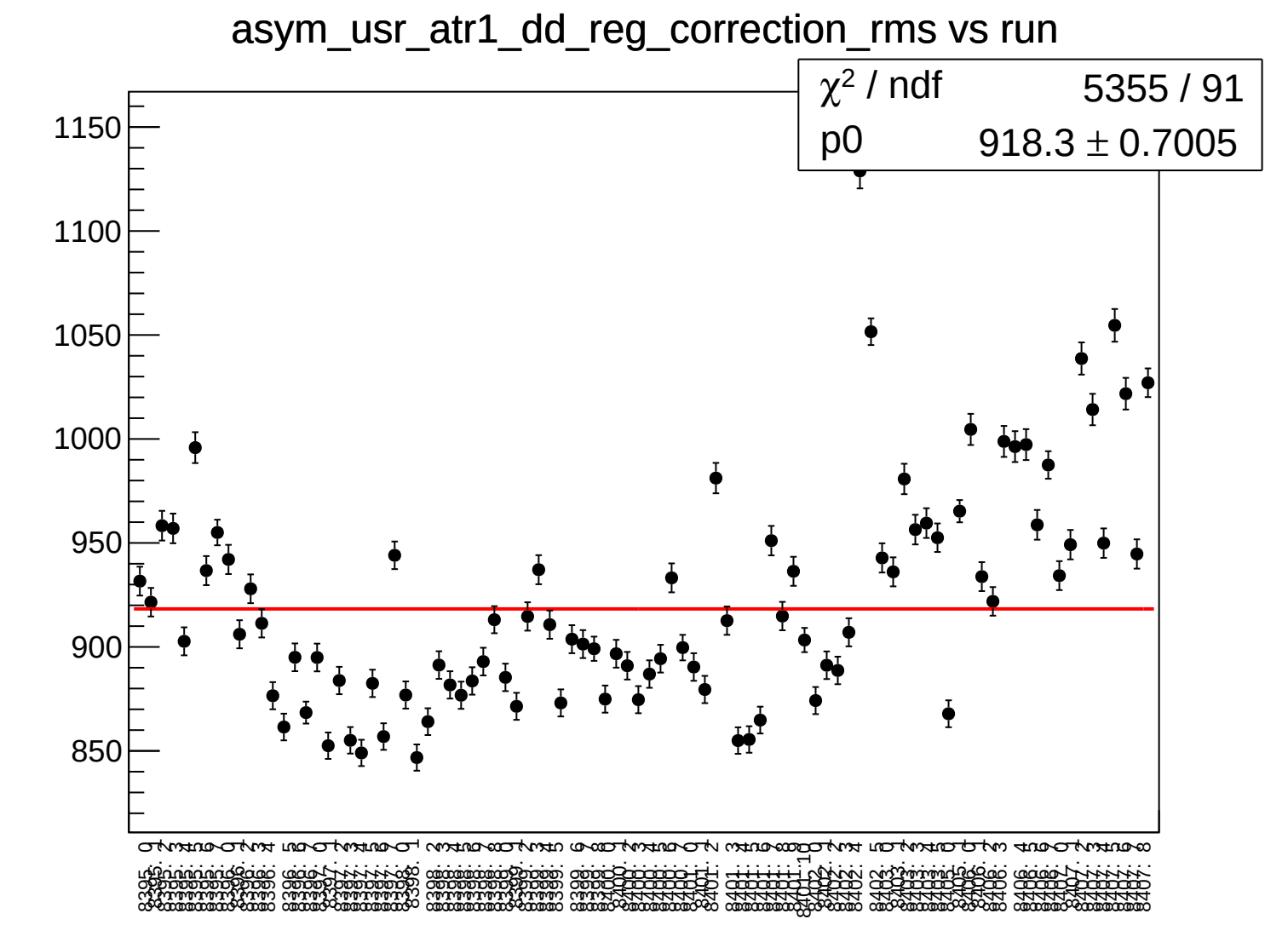

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.057e+05 / 91
p0 9.594e−11 ± 9.074e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

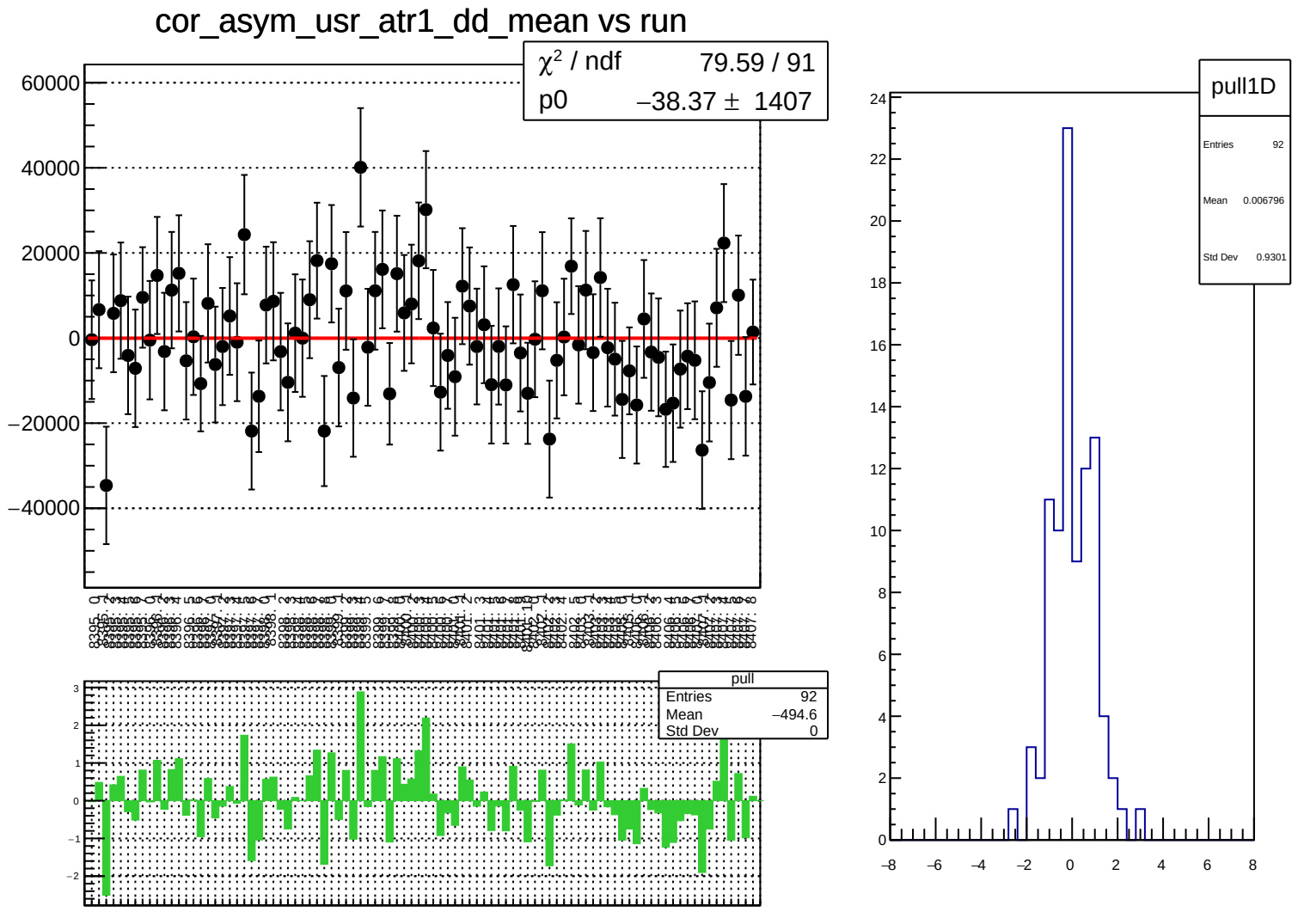

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 79.59 / 91
p0 −38.77 ± 1407
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −494.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006795
Std Dev 0.9301
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

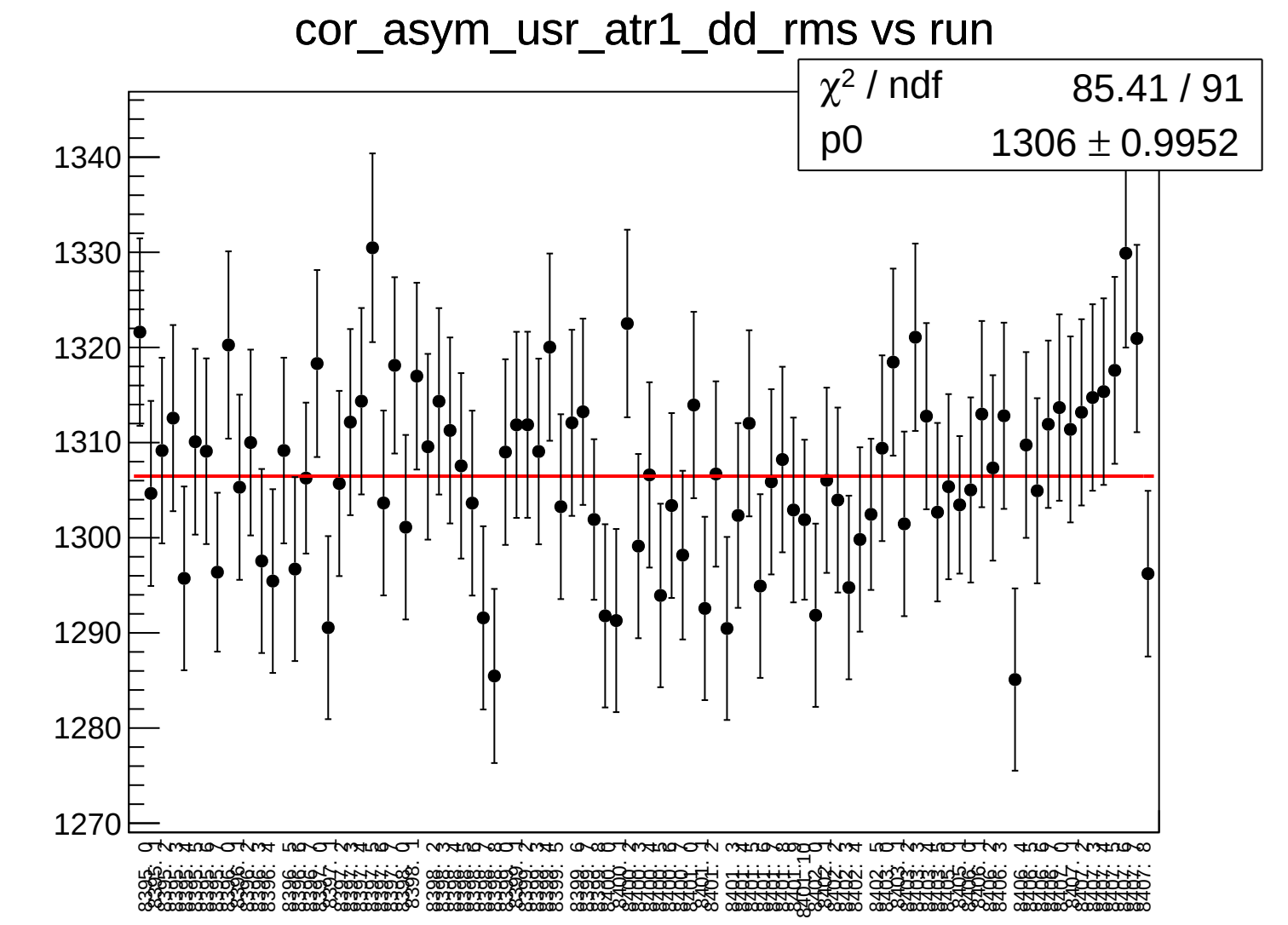

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 85.41 / 91
p0 1306 ± 0.9952
1340
1330
1320
1310
1300
1290
1280
1270

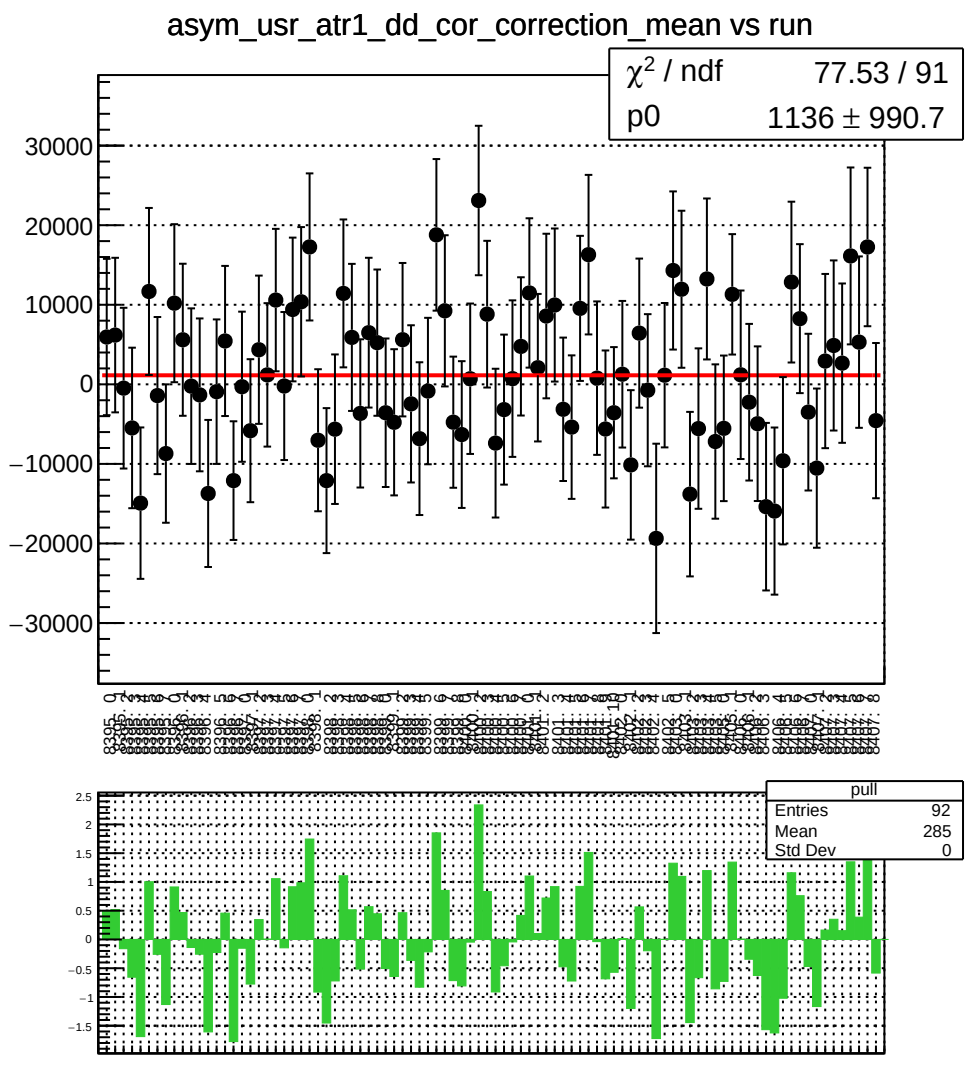

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 77.53 / 91
p0 1136 ± 990.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 284.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

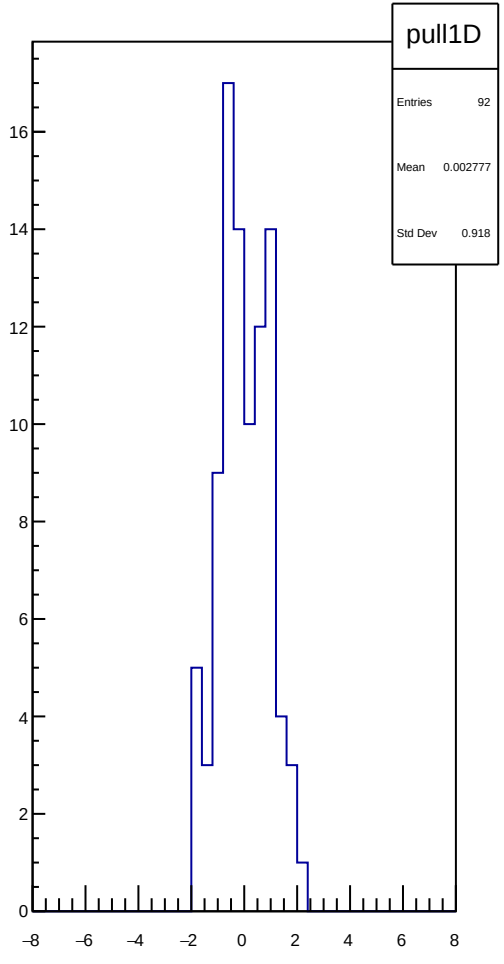

pull1D
Entries 92
Mean 0.002784
Std Dev 0.918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

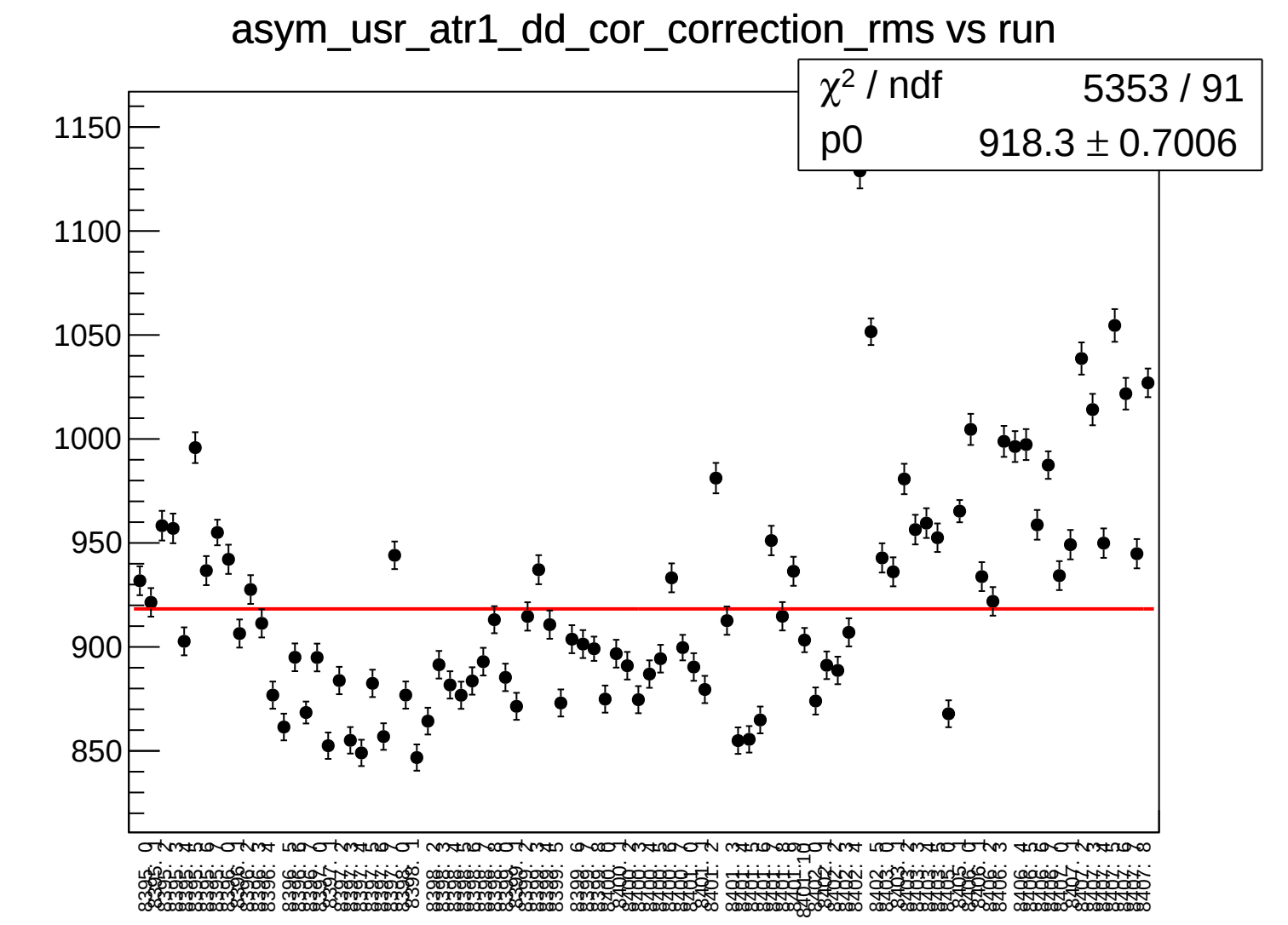

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 5355 / 91
p0 918.3 ± 0.7005
1150
1100
1050
1000
950
900
850

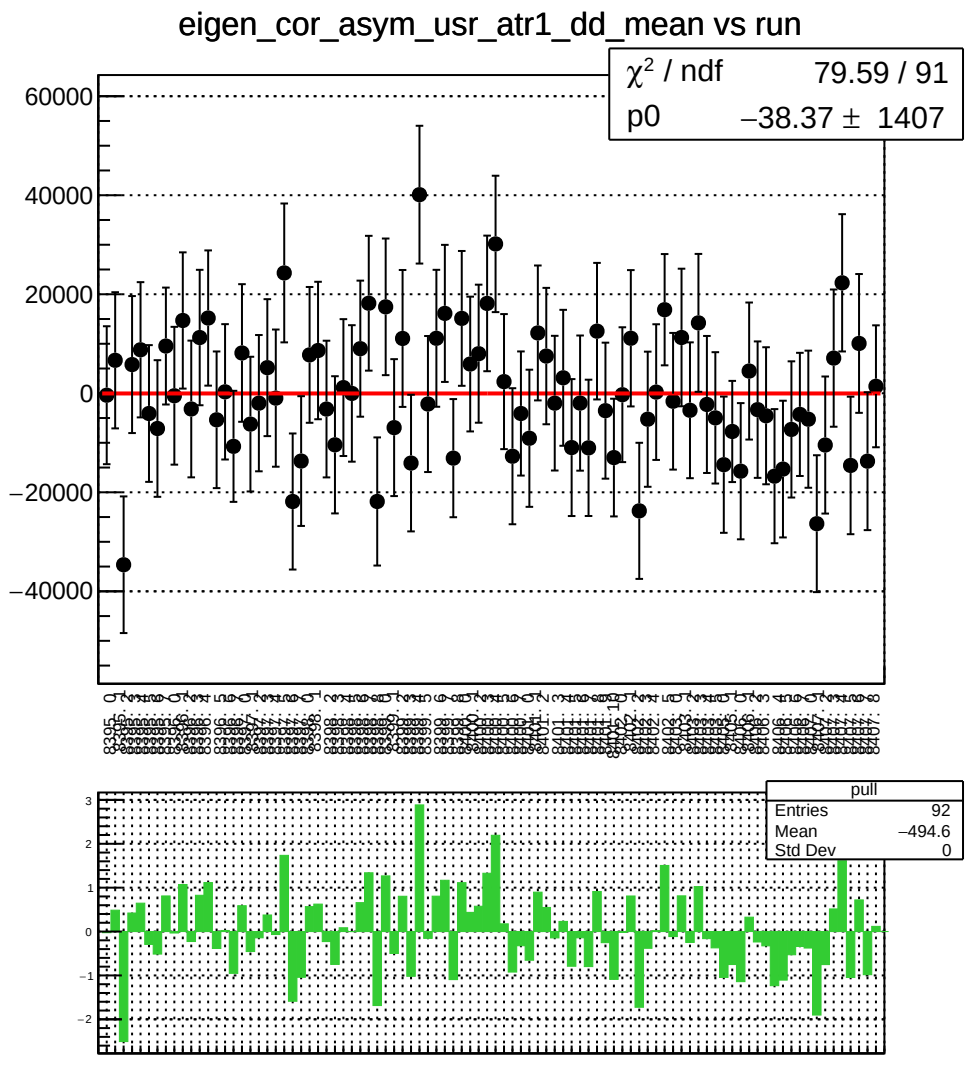

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 79.59 / 91
p0 −38.37 ± 1407
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −494.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006796
Std Dev 0.9301
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

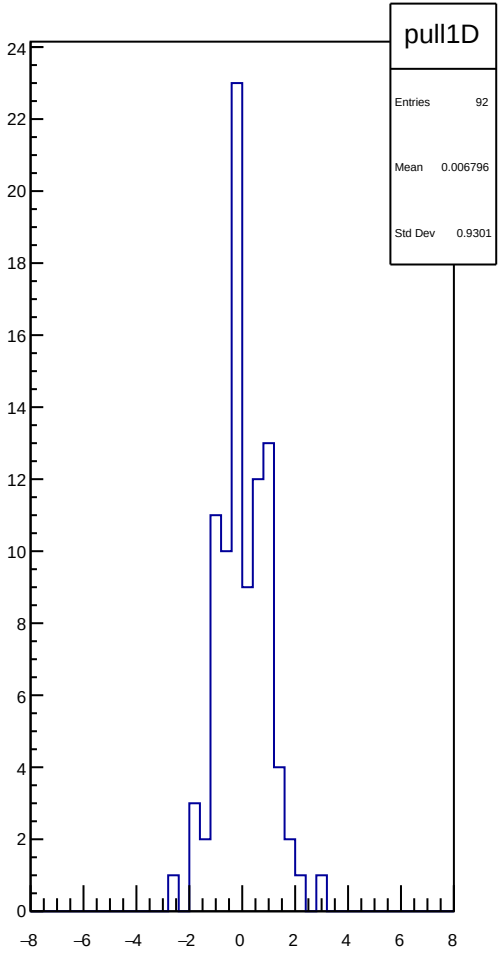

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 85.41 / 91
p0 1306 ± 0.9952
1340
1330
1320
1310
1300
1290
1280
1270

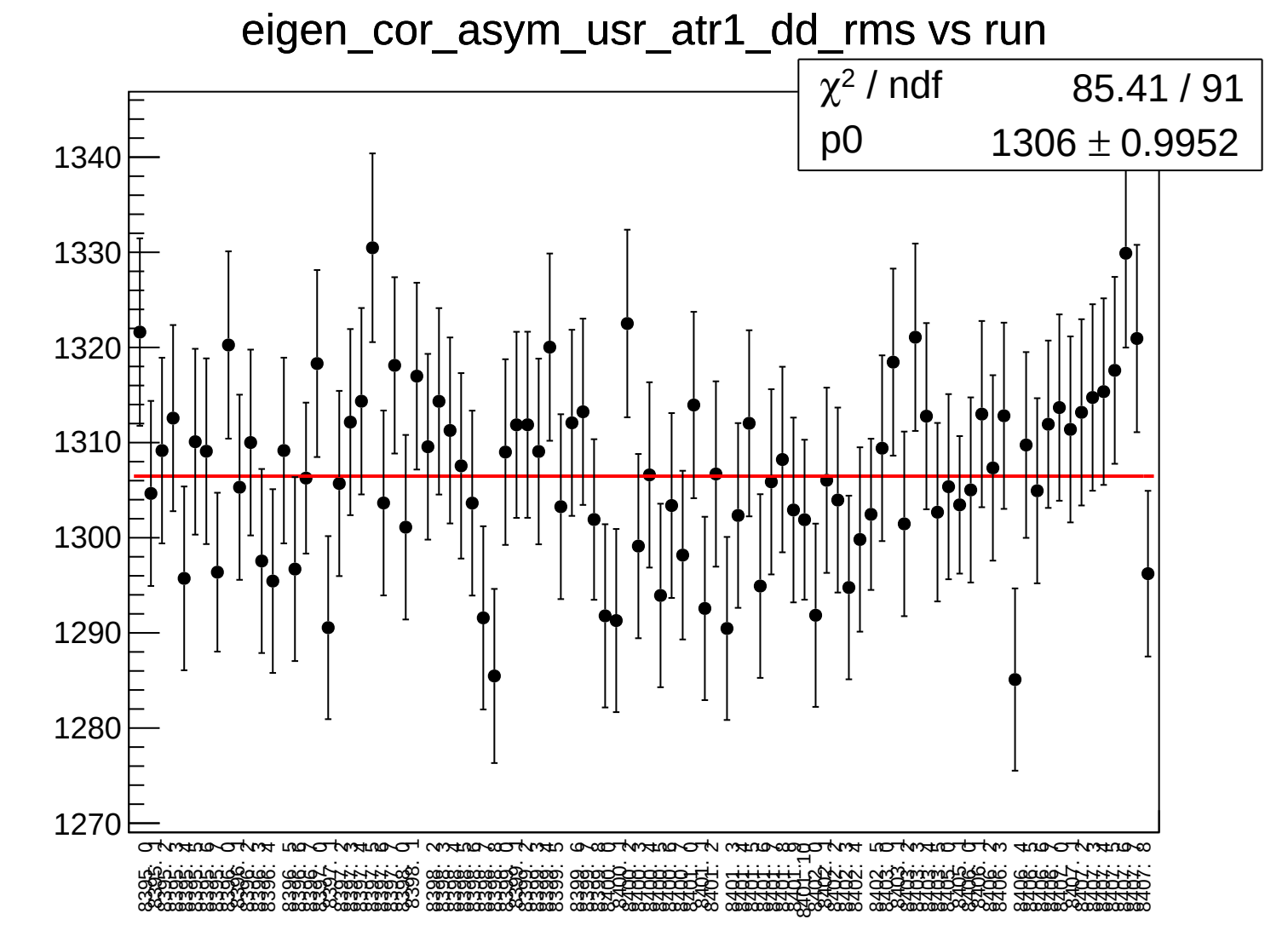

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 77.53 / 91
p0 1136 ± 990.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 285
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

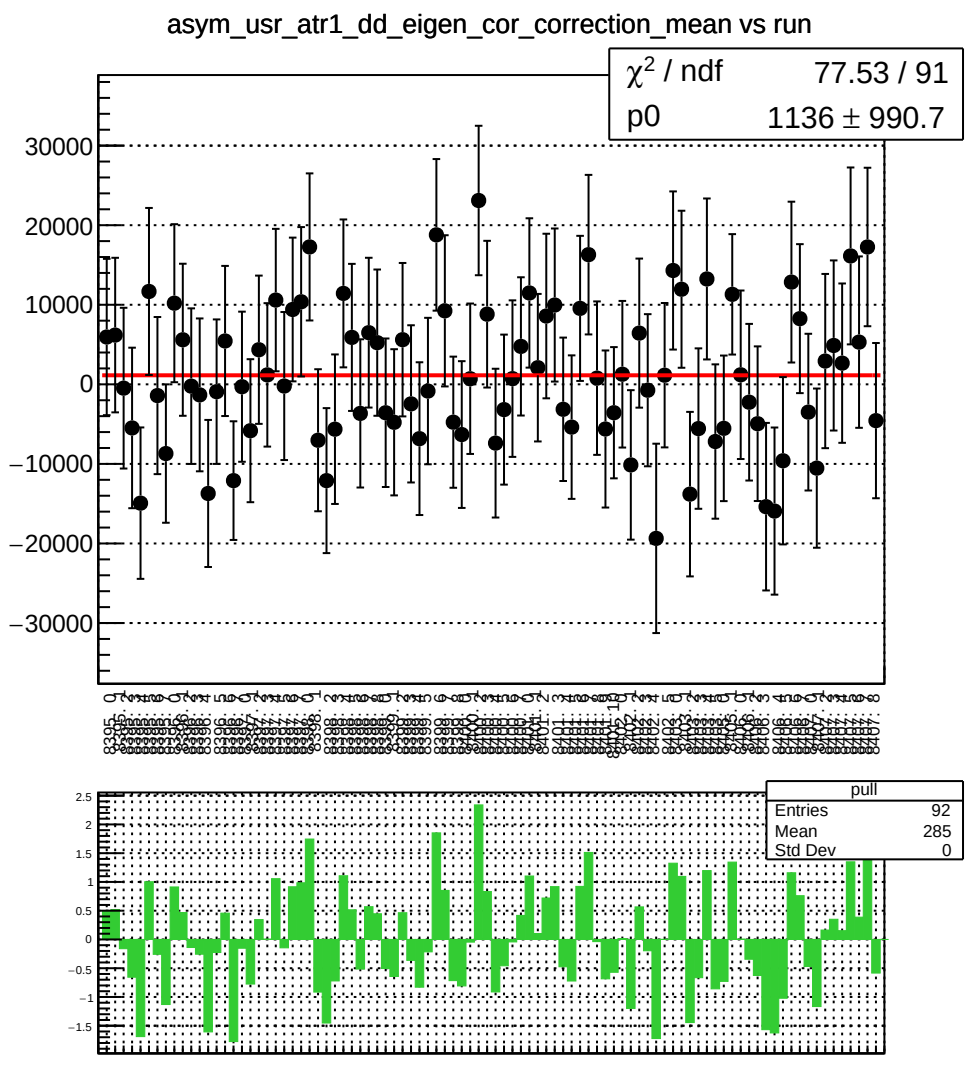

pull1D
Entries 92
Mean 0.002777
Std Dev 0.918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

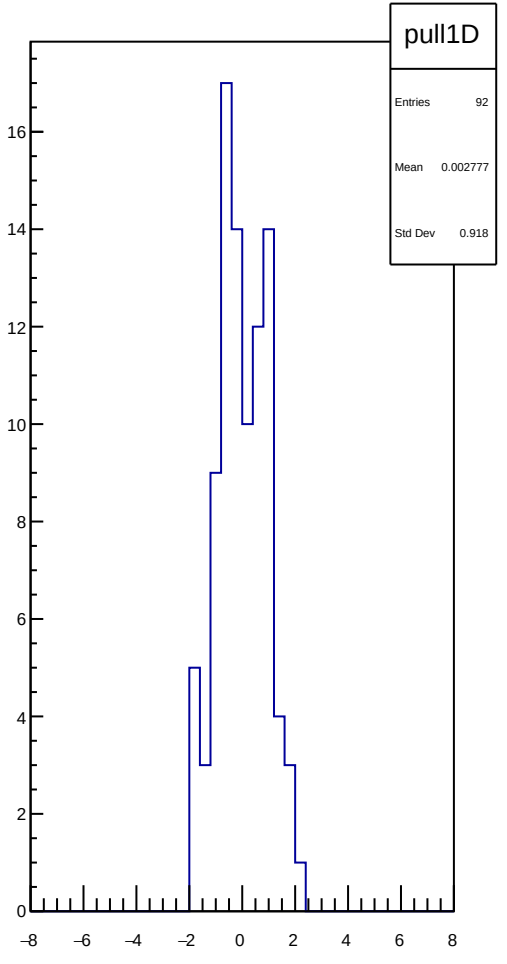

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 5353 / 91
p0 918.3 ± 0.7006
1150
1100
1050
1000
950
900
850

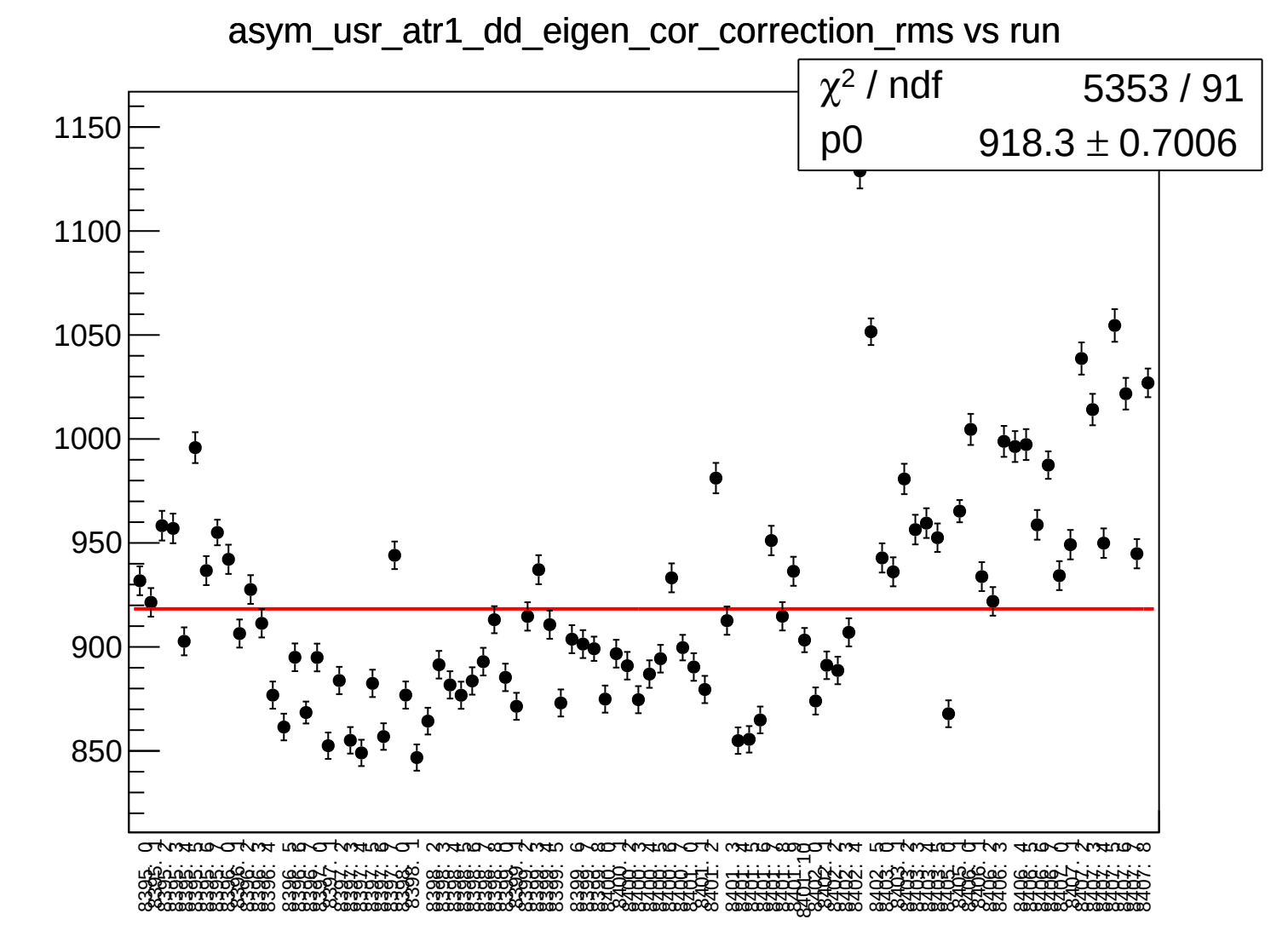

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 79.59 / 91
p0 −38.37 ± 1407
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −494.6
Std Dev 0
3
2
1
0
−1
−2

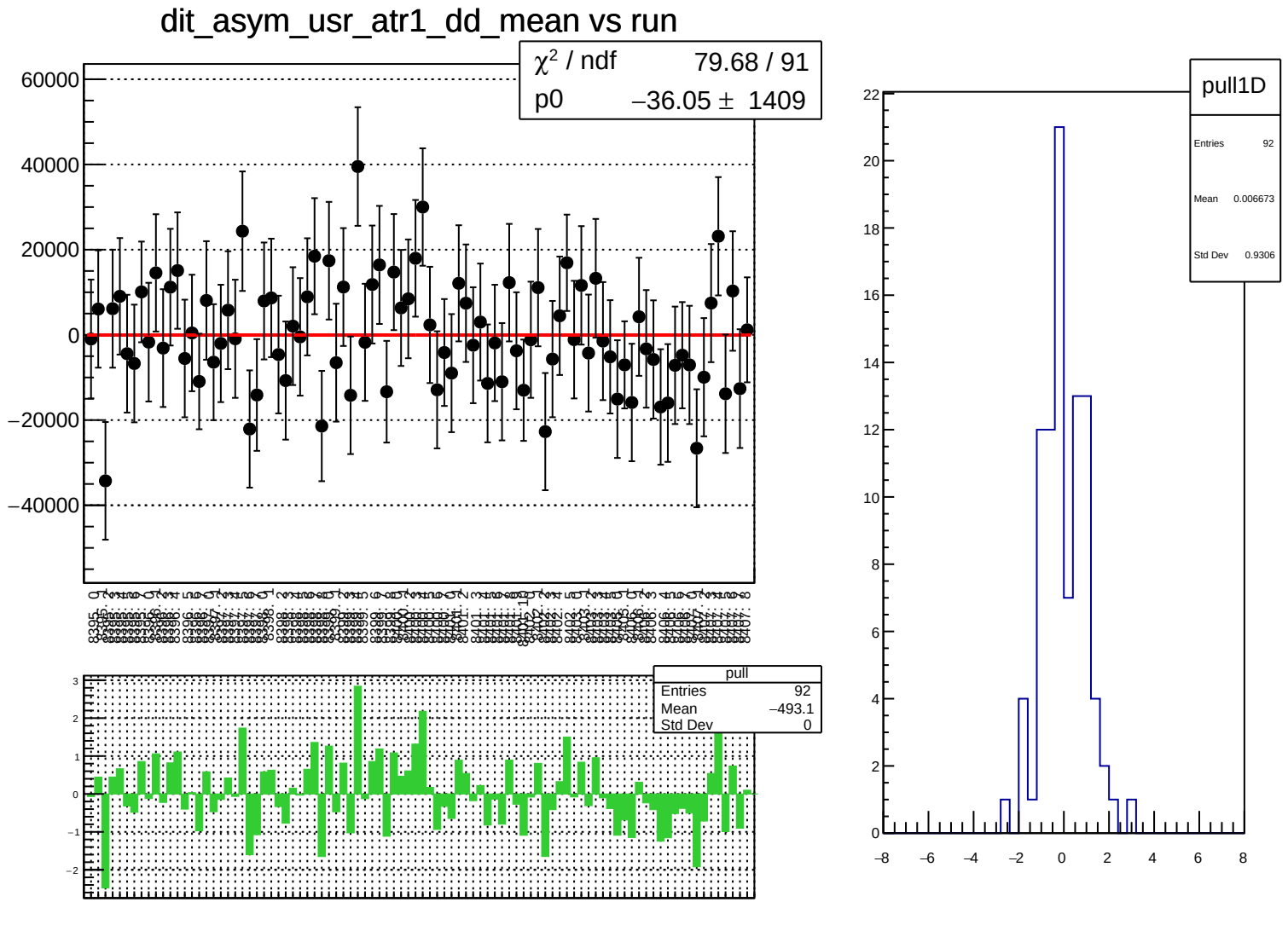

pull1D
Entries 92
Mean 0.006796
Std Dev 0.9301
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

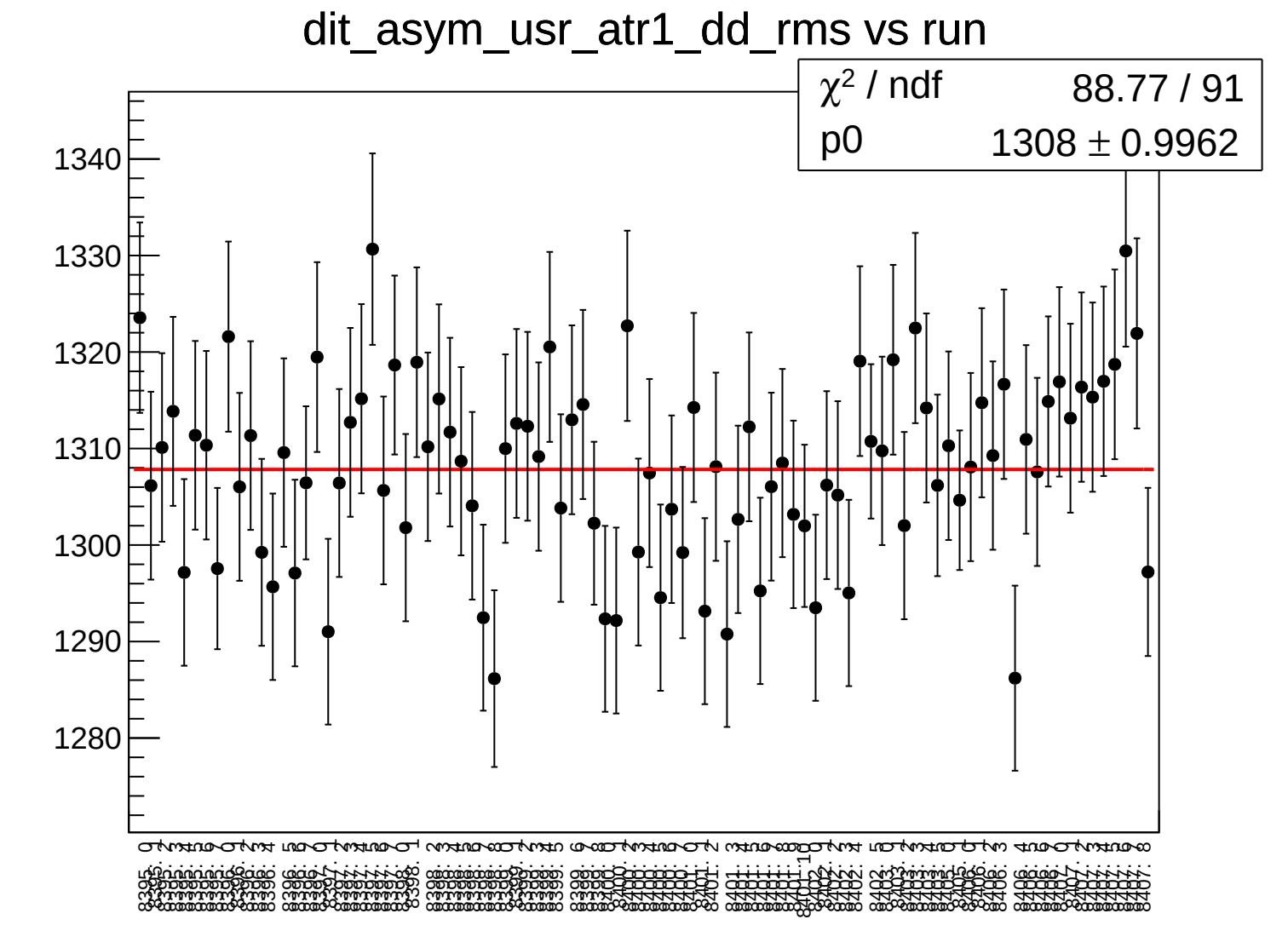

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 85.41 / 91
p0 1306 ± 0.9952
1340
1330
1320
1310
1300
1290
1280
1270

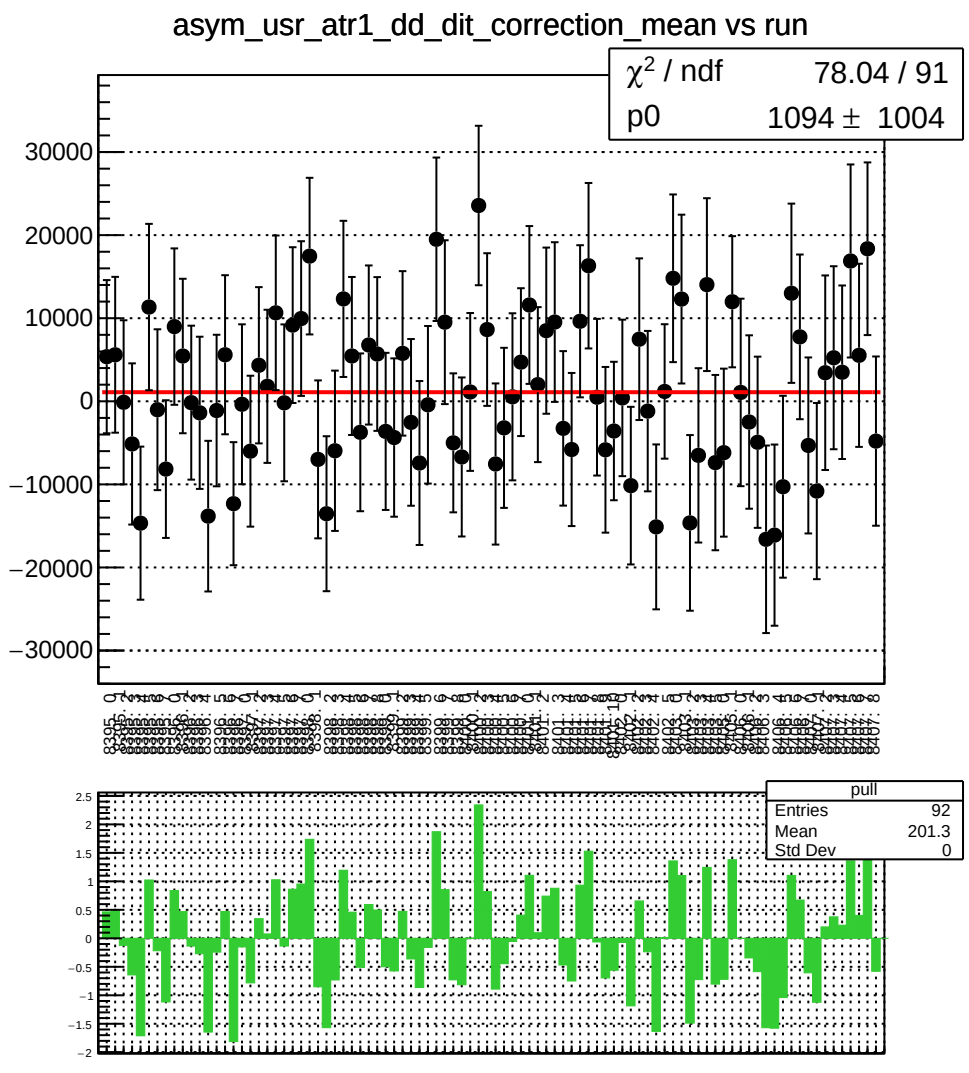

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.53 / 91
p0 1136 ± 990.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 285
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

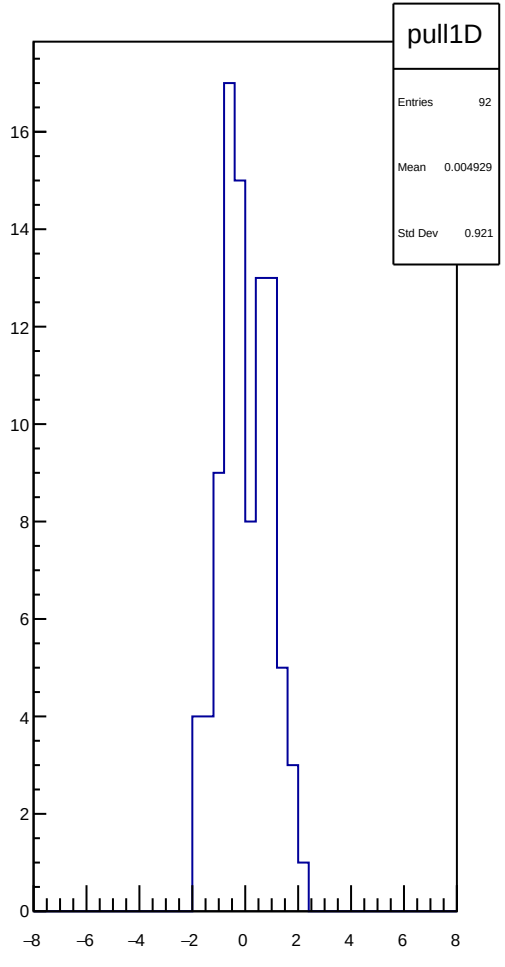

pull1D
Entries 92
Mean 0.002777
Std Dev 0.918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

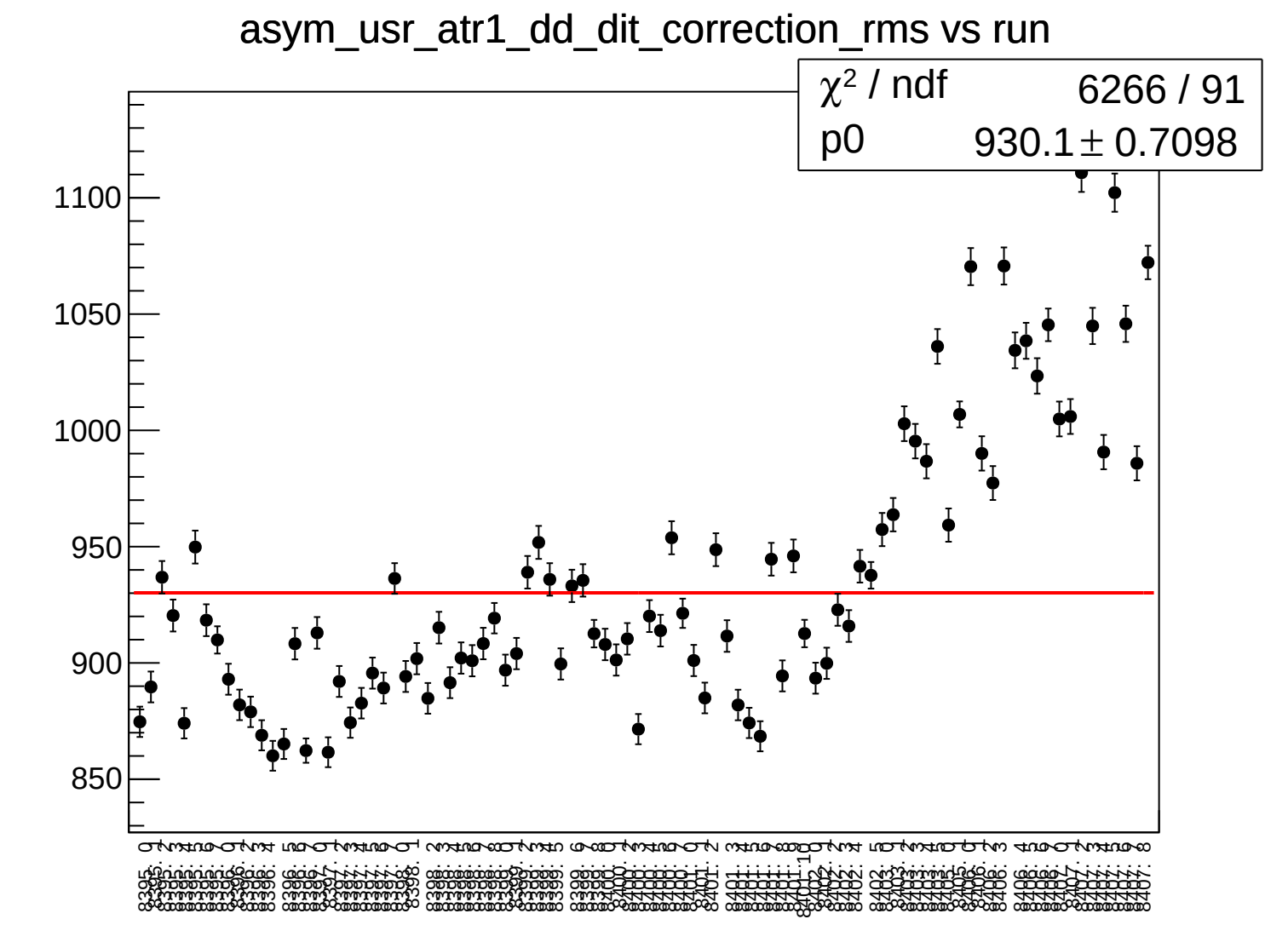

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5353 / 91
p0 918.3 ± 0.7006
1150
1100
1050
1000
950
900
850

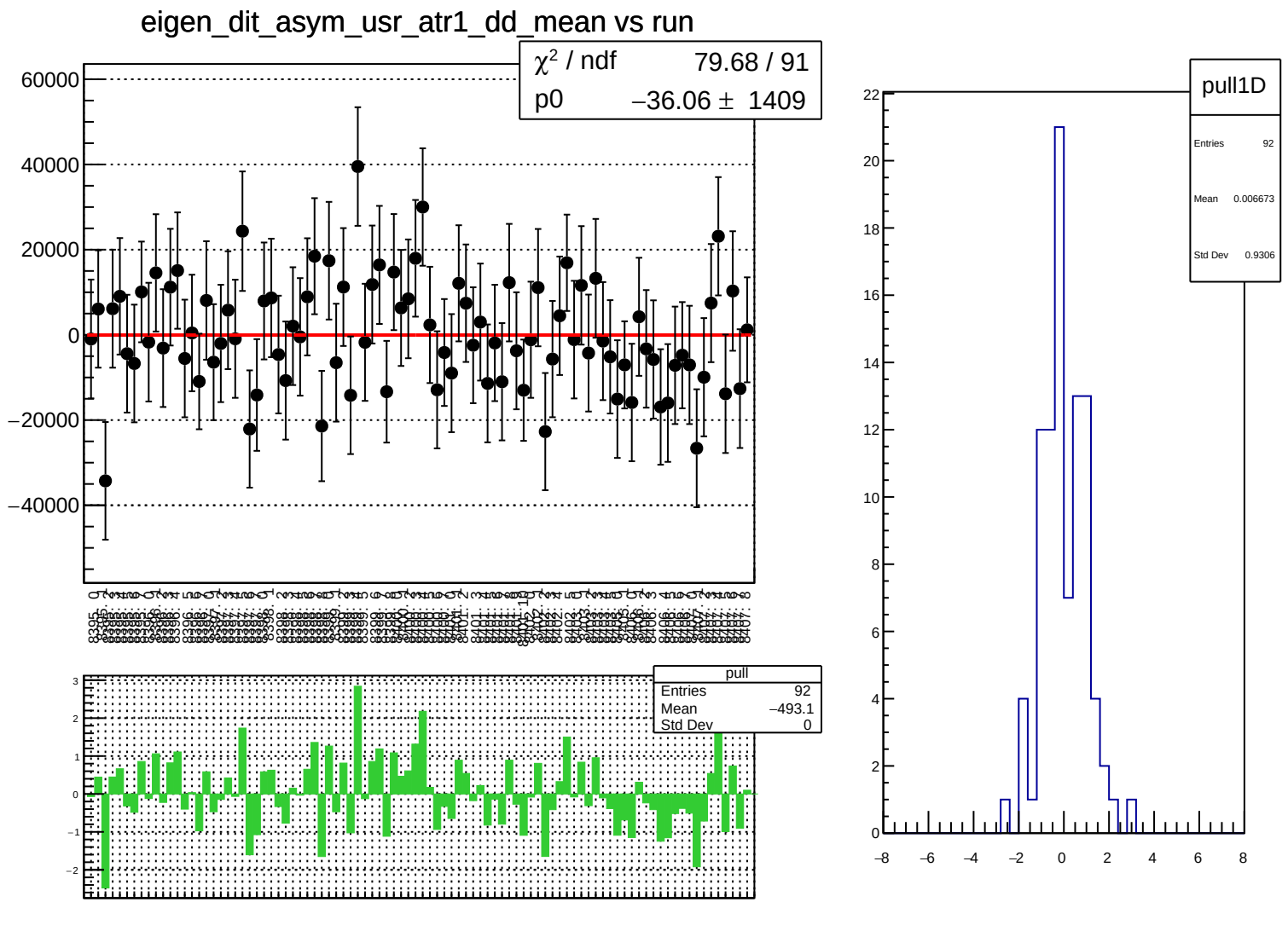

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 79.68 / 91
p0 −36.05 ± 1409
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −493.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006673
Std Dev 0.9306
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

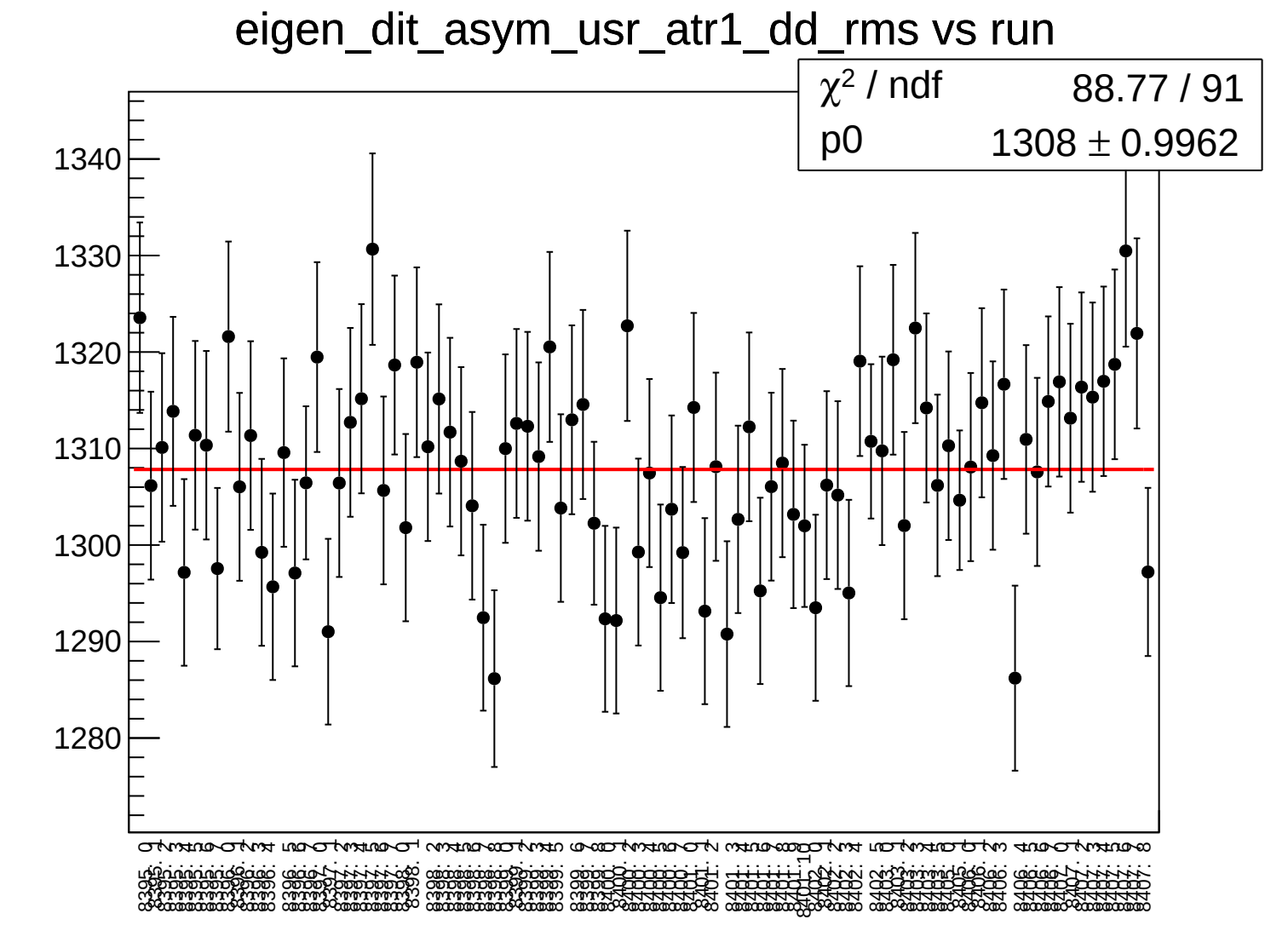

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 88.77 / 91
p0 1308 ± 0.9962
1340
1330
1320
1310
1300
1290
1280

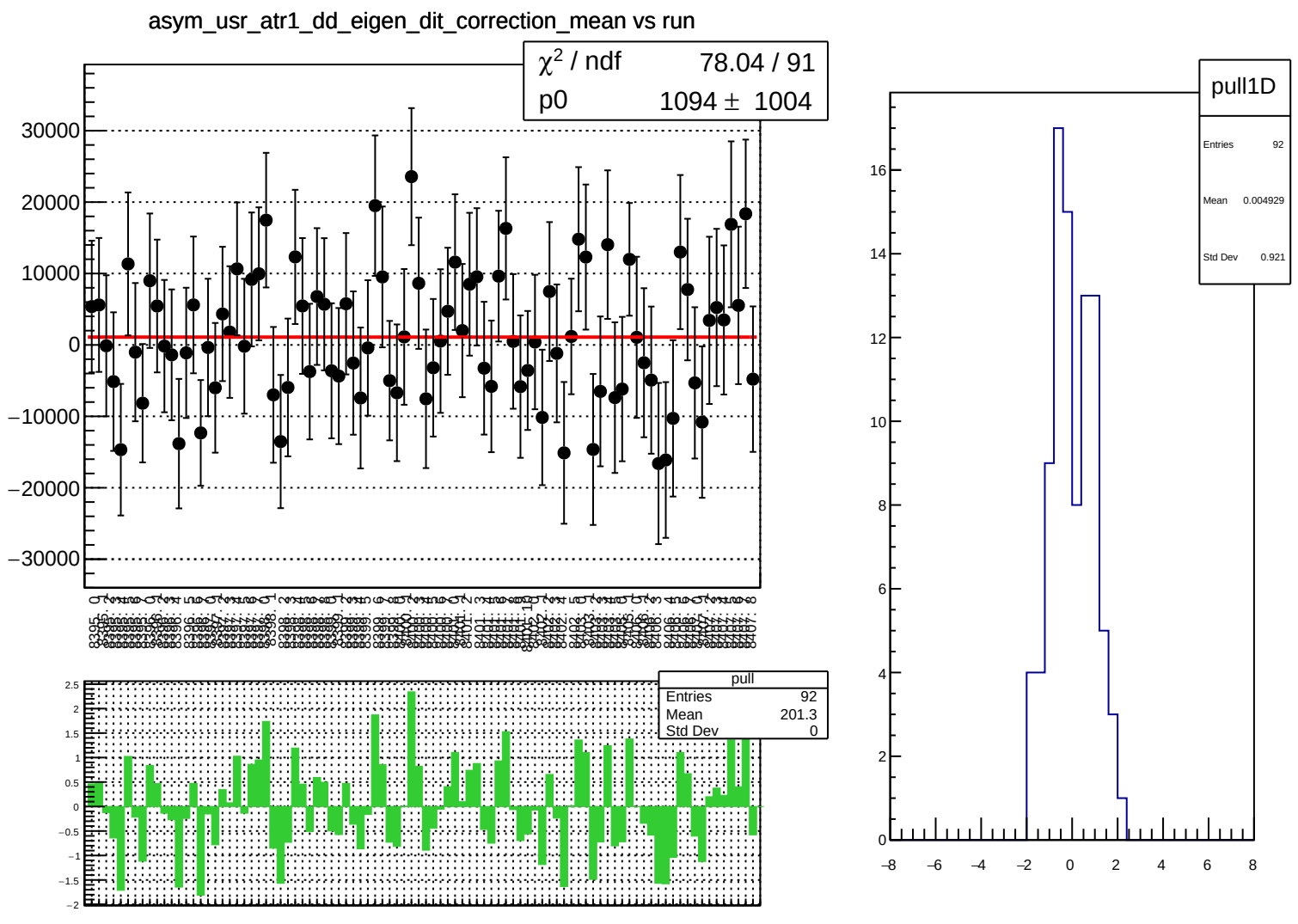

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 78.04 / 91
p0 1094 ± 1004
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 201.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

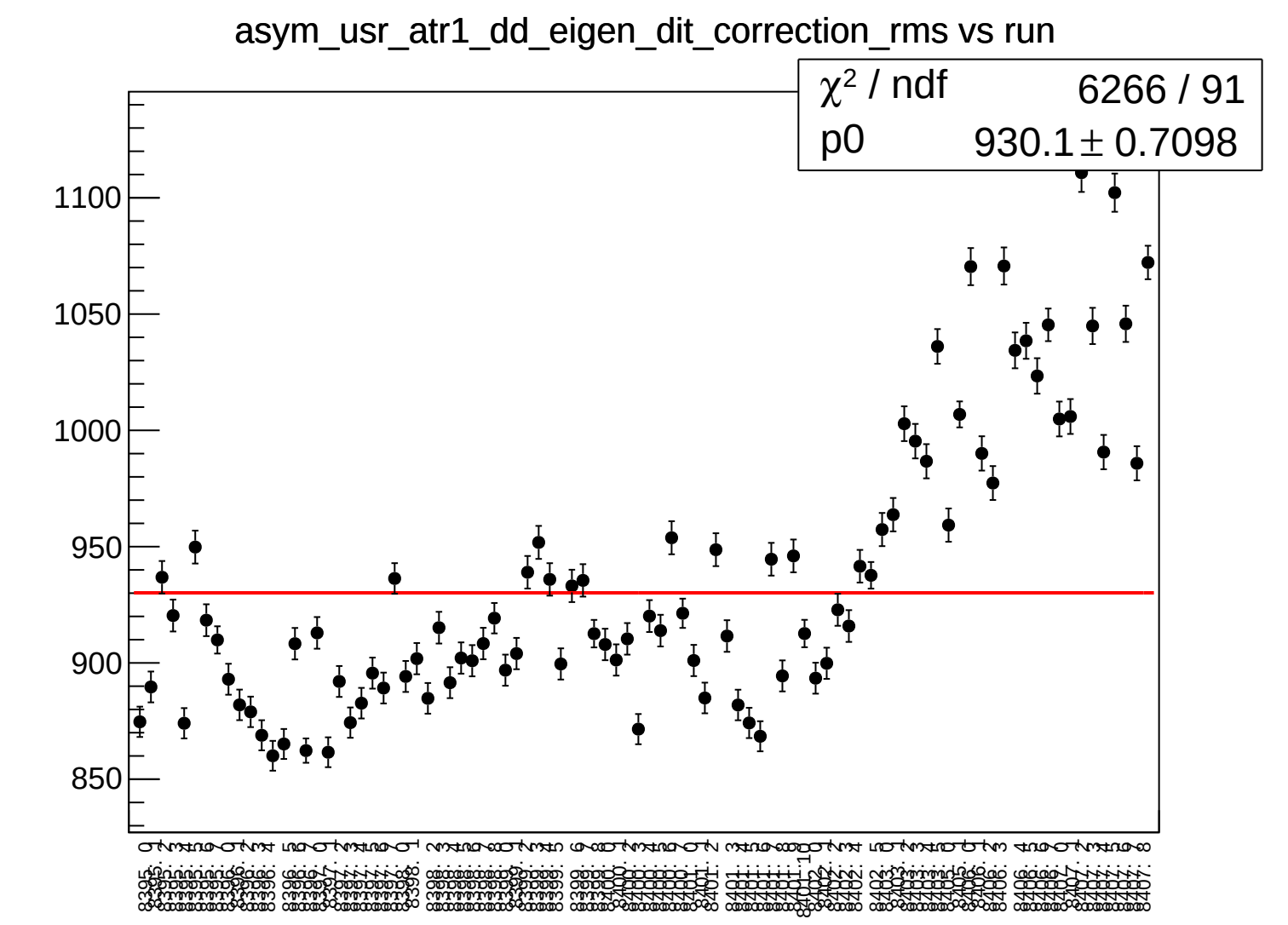

pull1D
Entries 92
Mean 0.004929
Std Dev 0.921
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

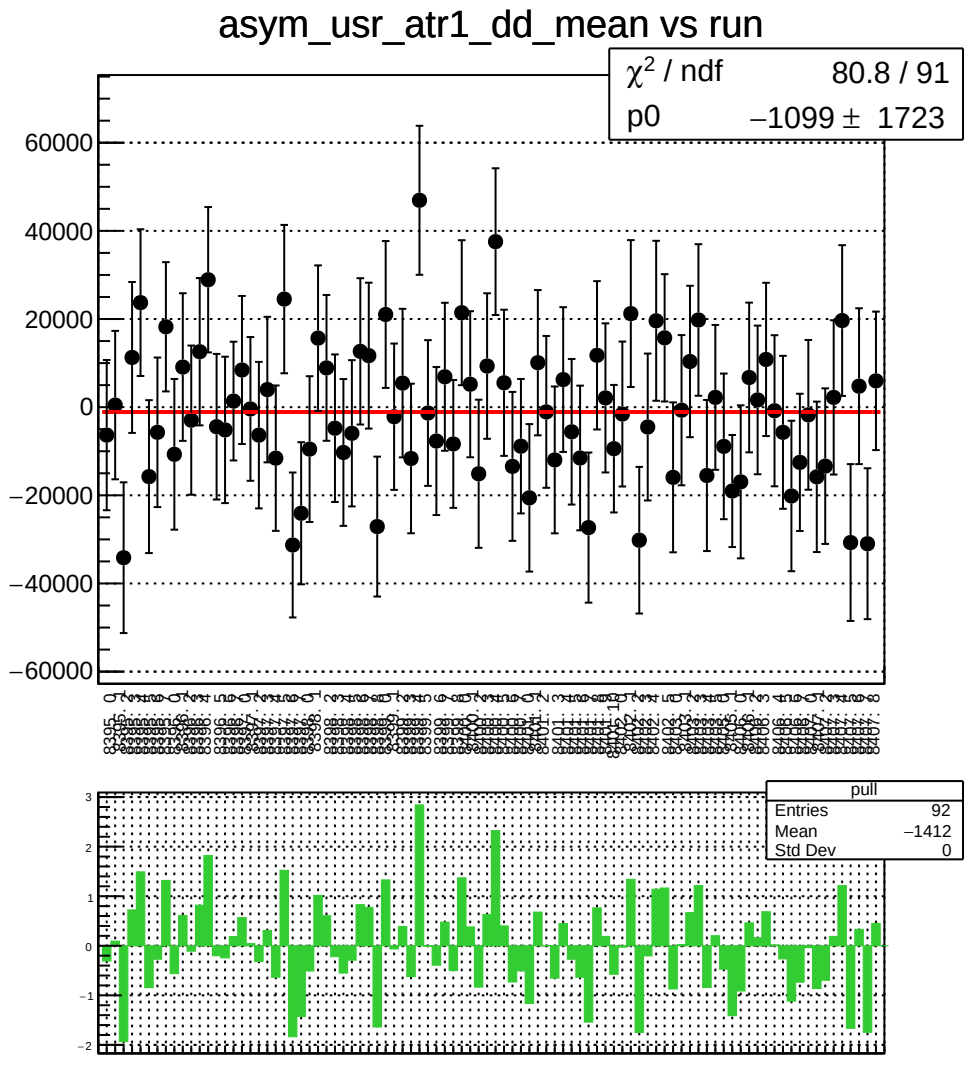

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 6266 / 91
p0 930.1 ± 0.7098
1100
1050
1000
950
900
850

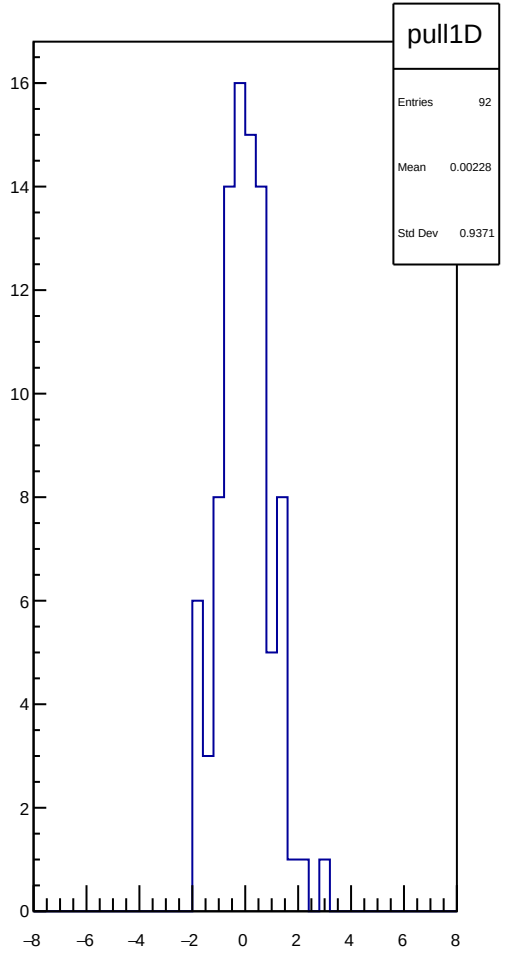

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 79.68 / 91
p0 −36.06 ± 1409
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −493.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006673
Std Dev 0.9306
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

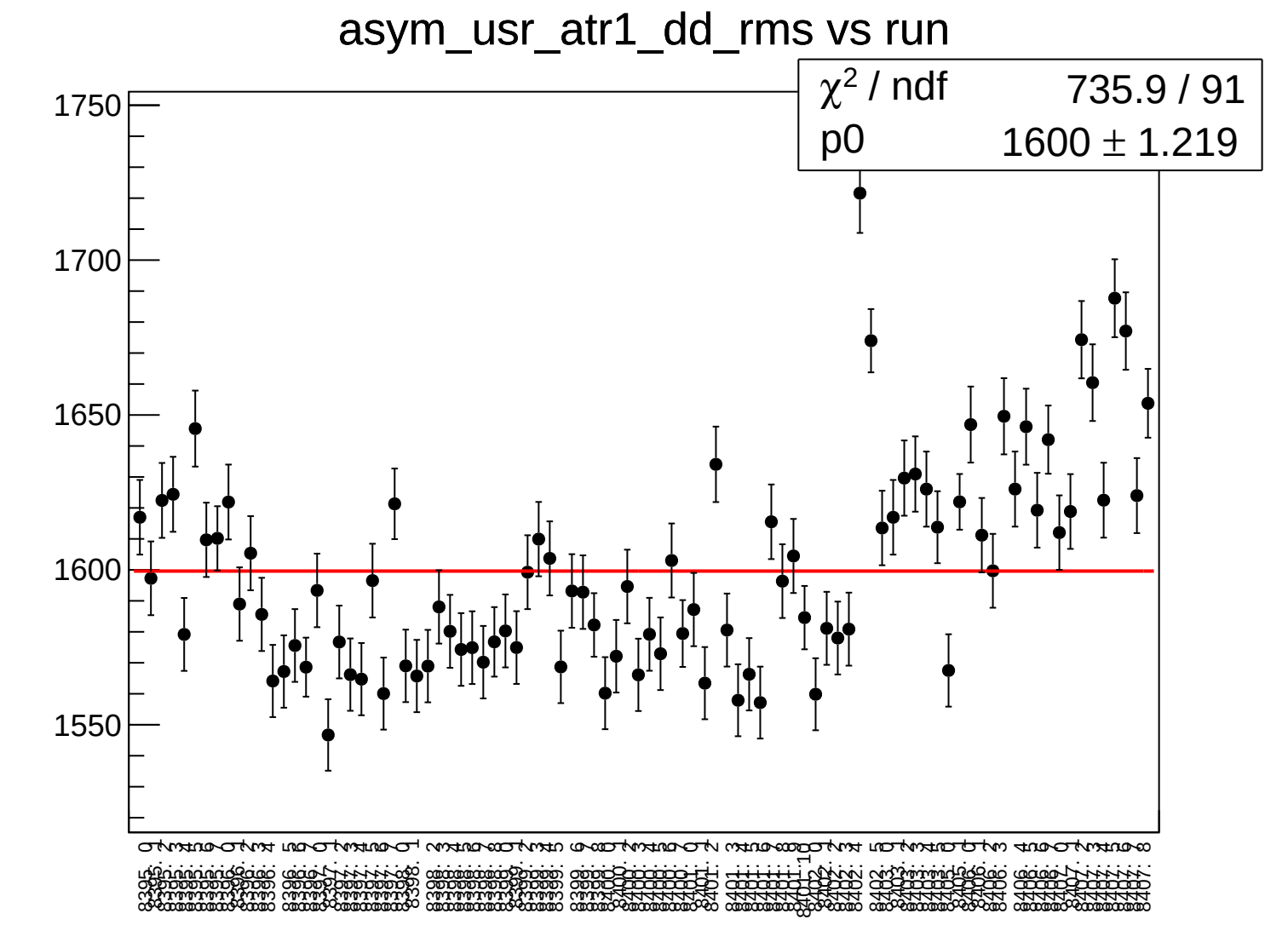

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 88.77 / 91
p0 1308 ± 0.9962
1340
1330
1320
1310
1300
1290
1280

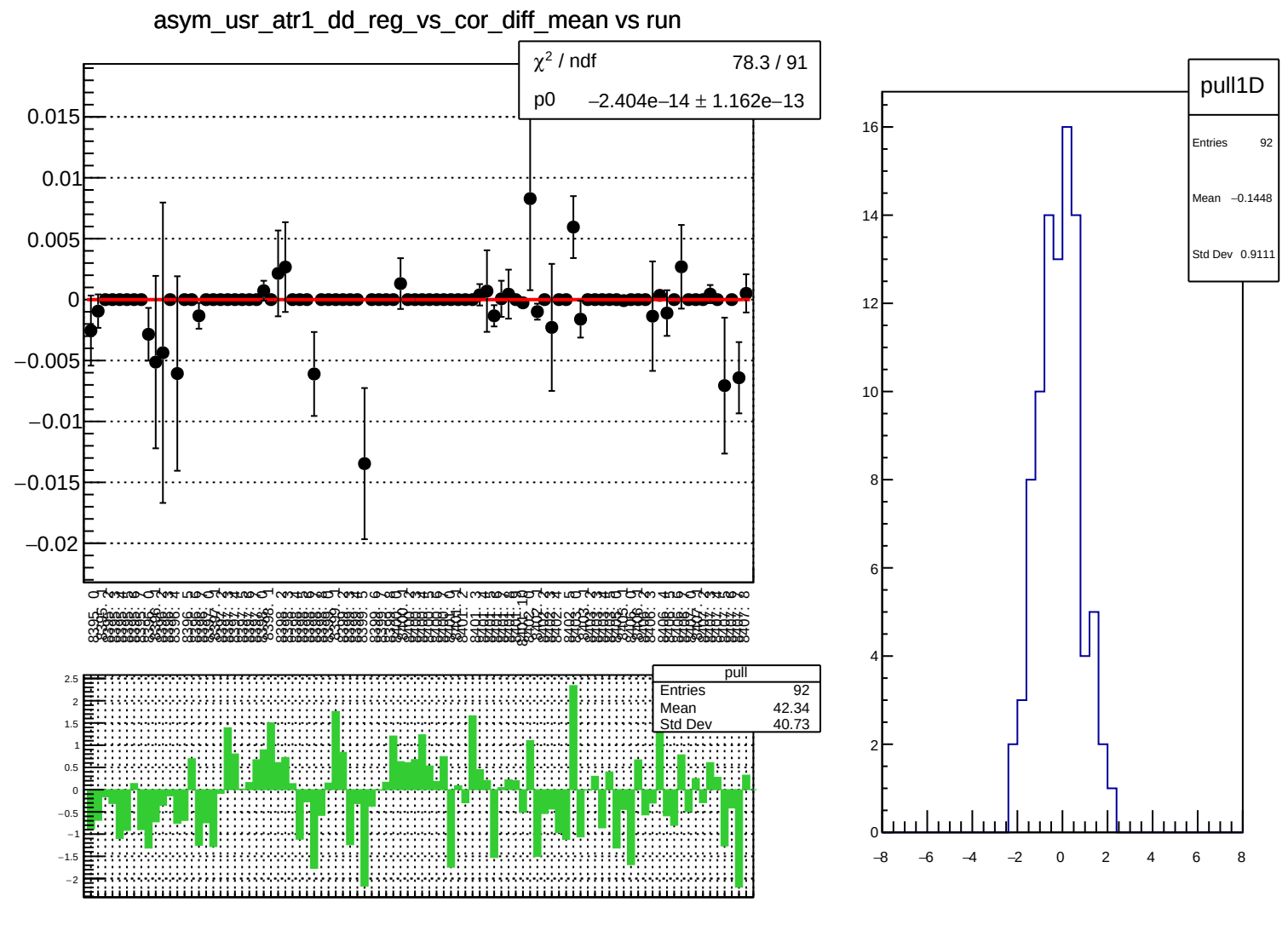

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.04 / 91
p0 1094 ± 1004
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 201.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.004929
Std Dev 0.921
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

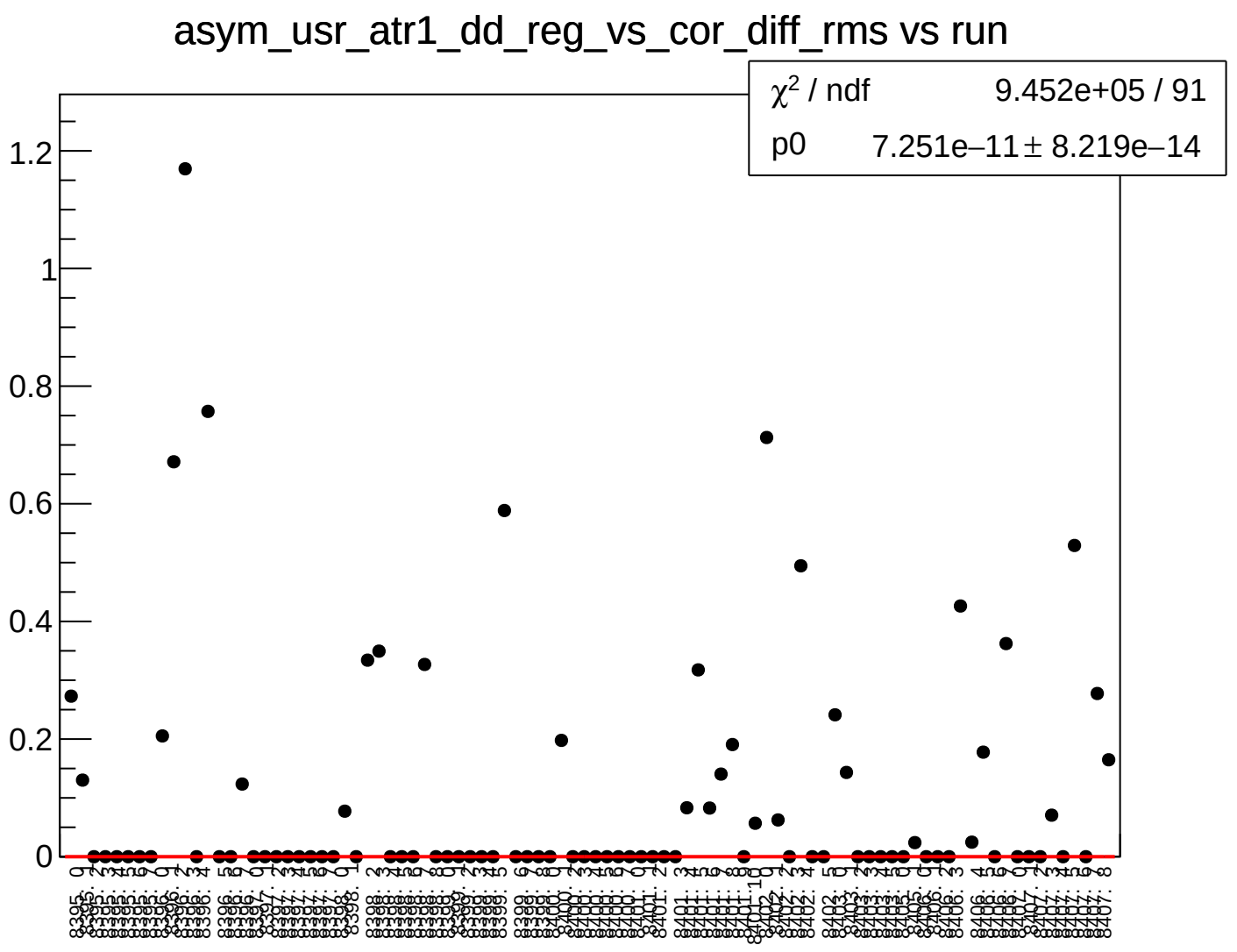

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 6266 / 91
p0 930.1 ± 0.7098
1100
1050
1000
950
900
850

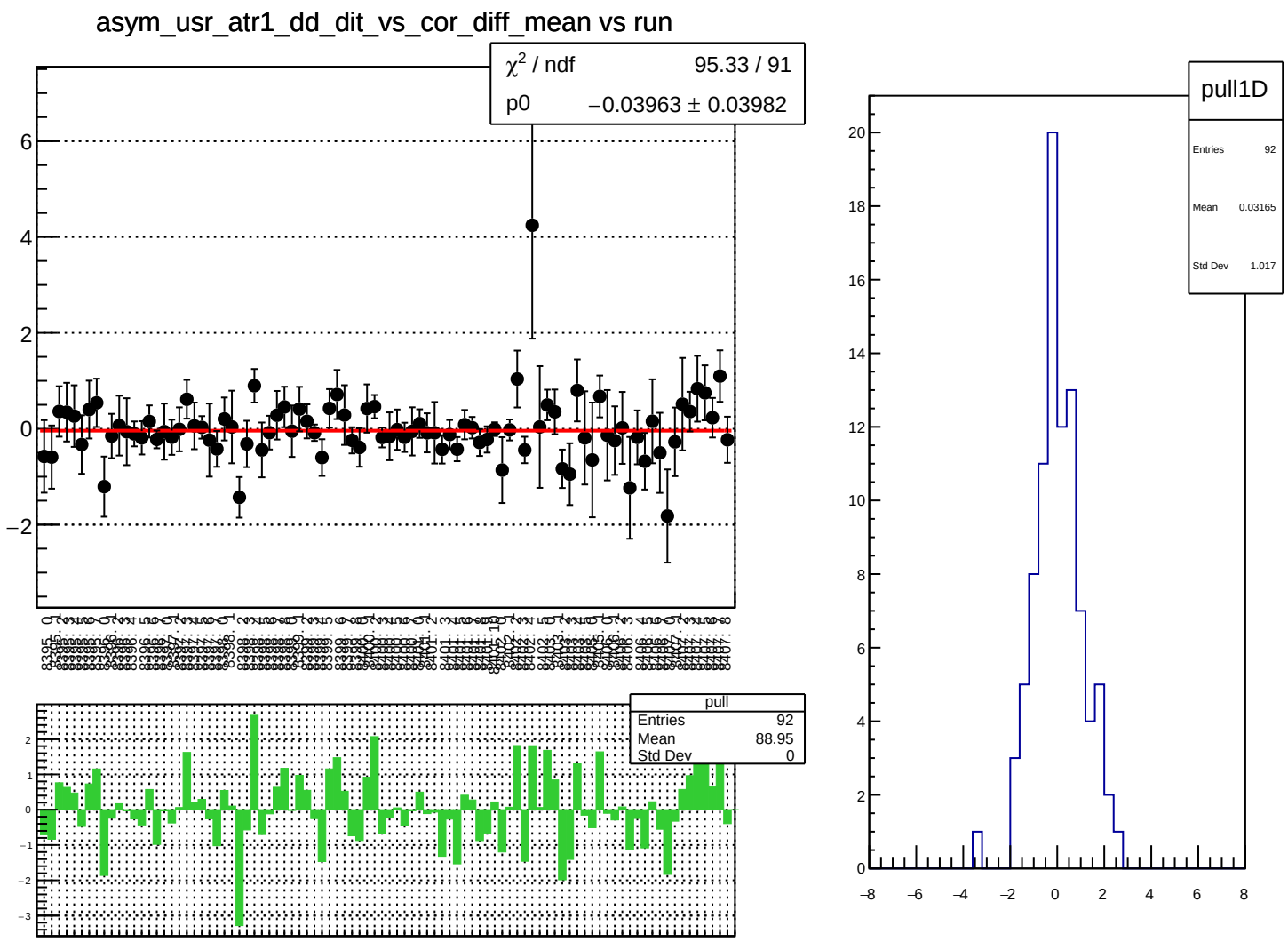

asym_usr_atr1_dd_mean vs run
χ² / ndf 80.8 / 91
p0 −1099 ± 1723
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −1412
Std Dev 0
3
2
1
0
−1
−2

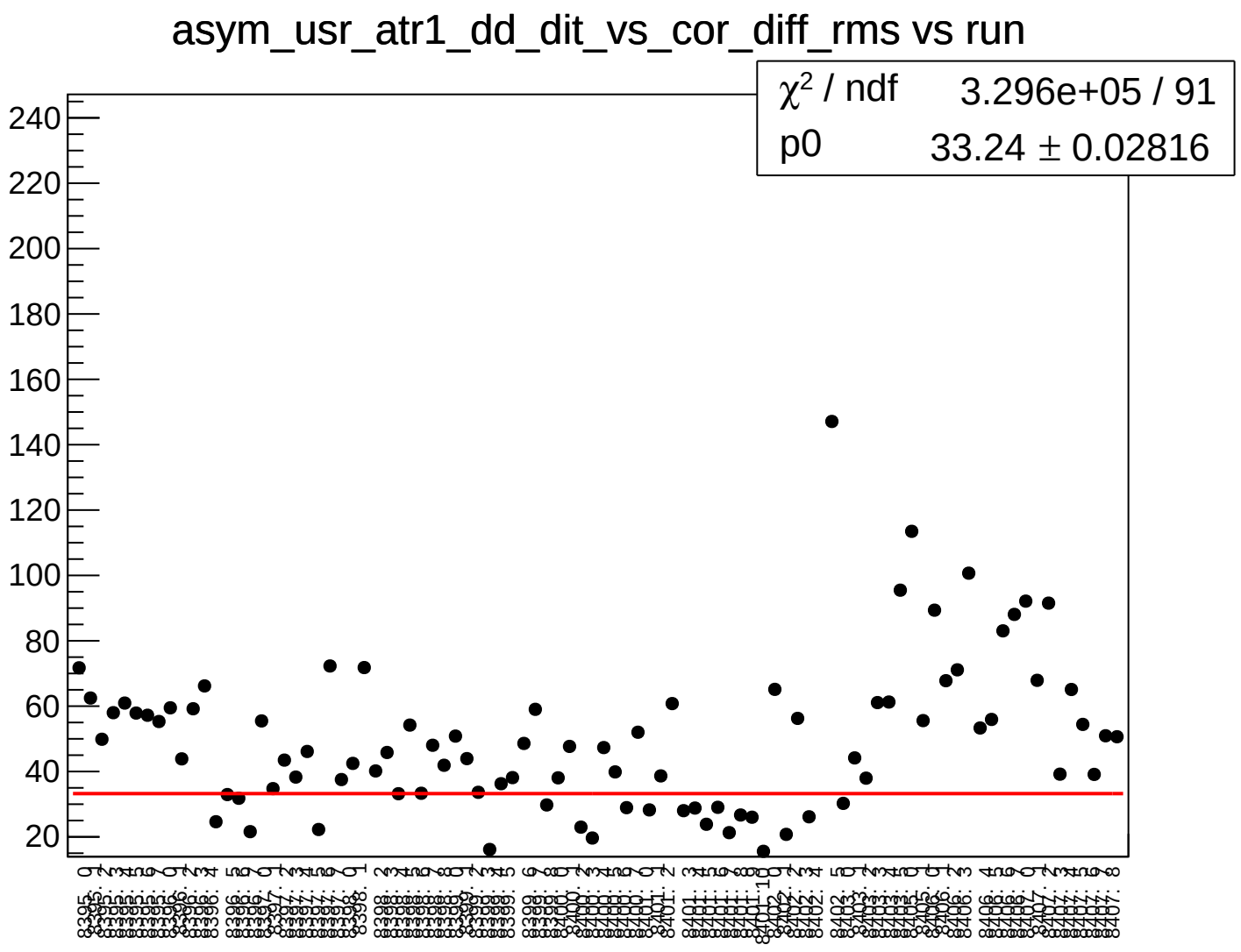

pull1D
Entries 92
Mean 0.00228
Std Dev 0.9371
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

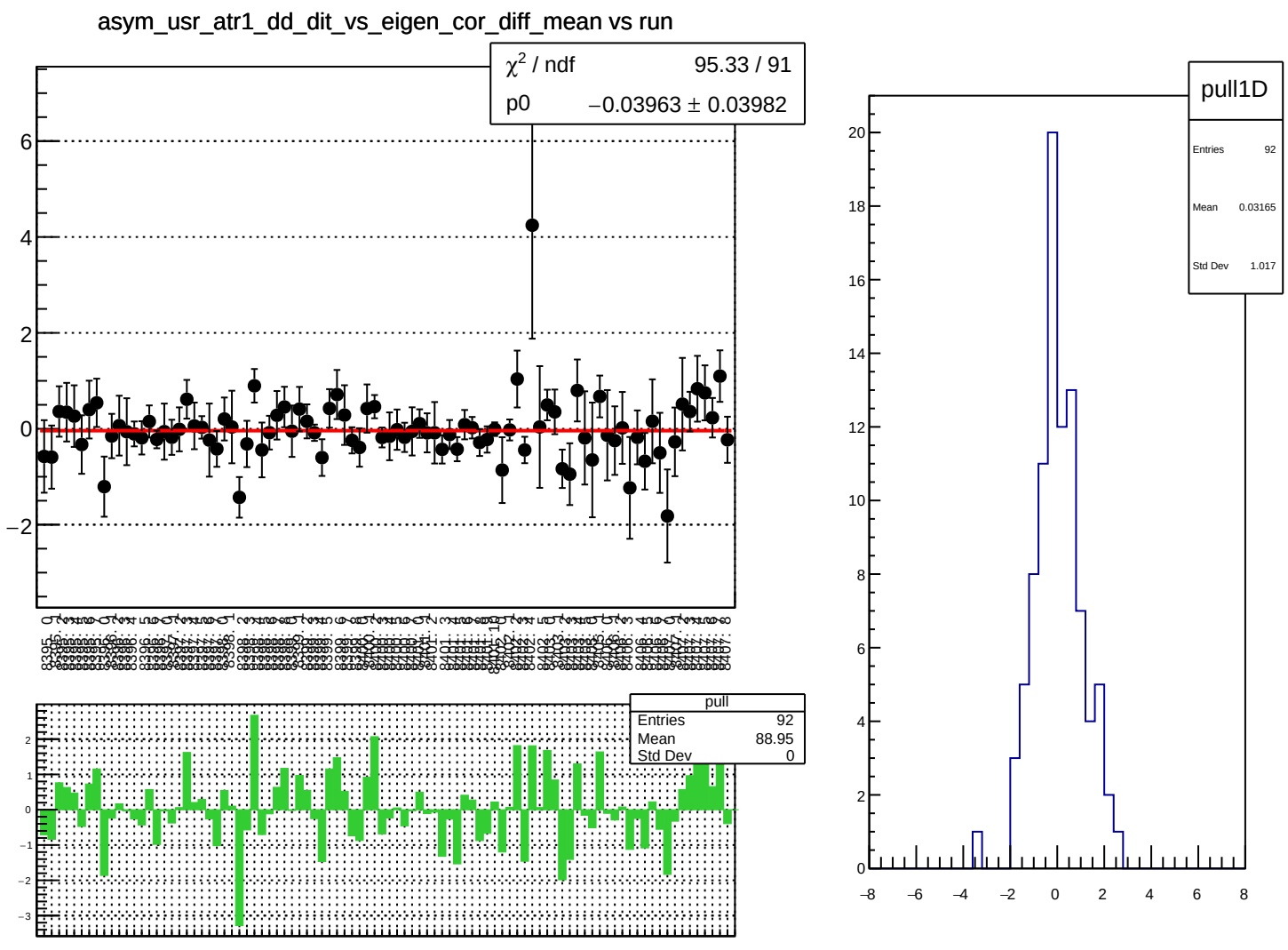

asym_usr_atr1_dd_rms vs run
χ² / ndf 735.9 / 91
p0 1600 ± 1.219
1750
1700
1650
1600
1550

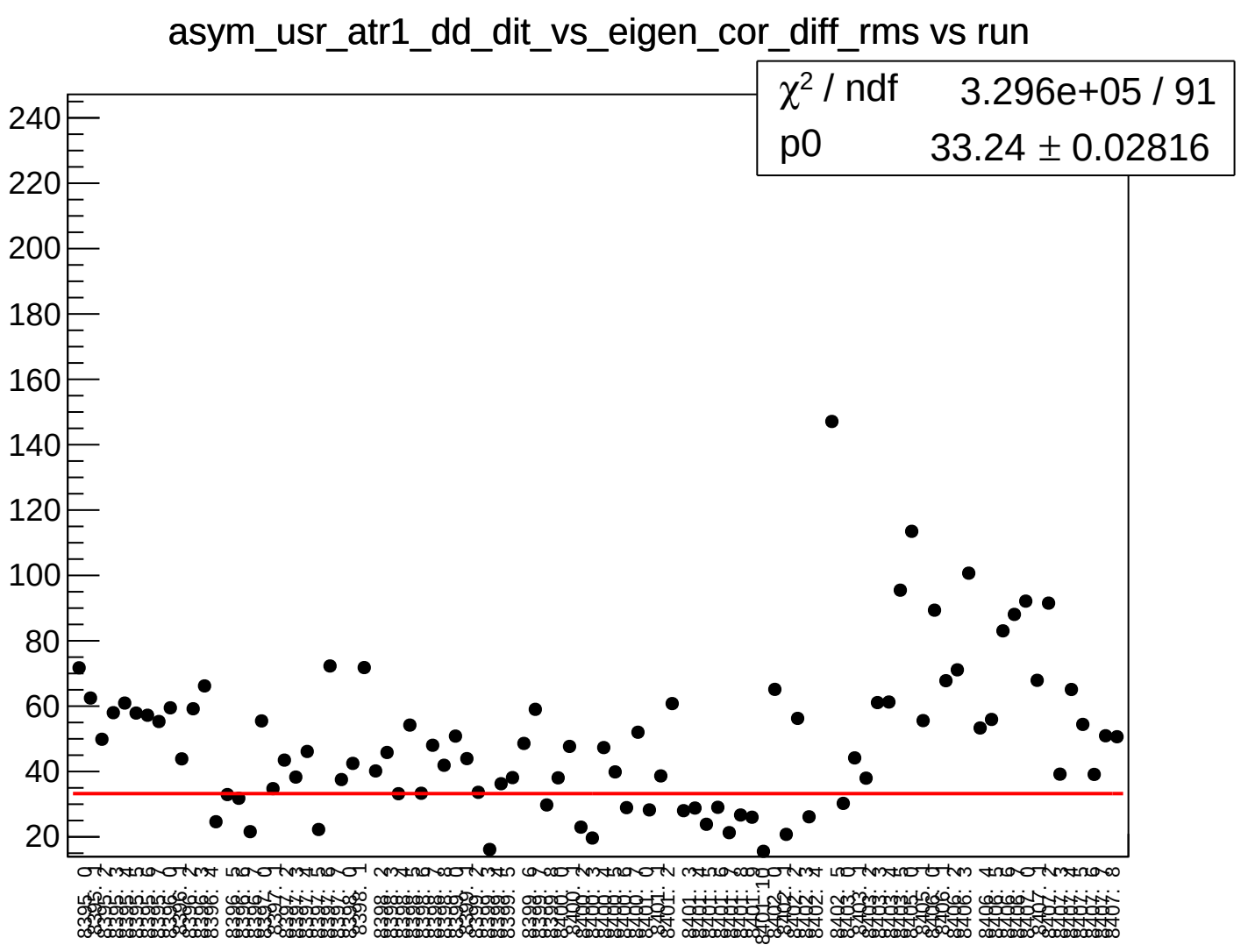

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.3 / 91
p0 −2.404e−14 ± 1.162e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 92
Mean 42.34
Std Dev 40.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.1448
Std Dev 0.9111
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

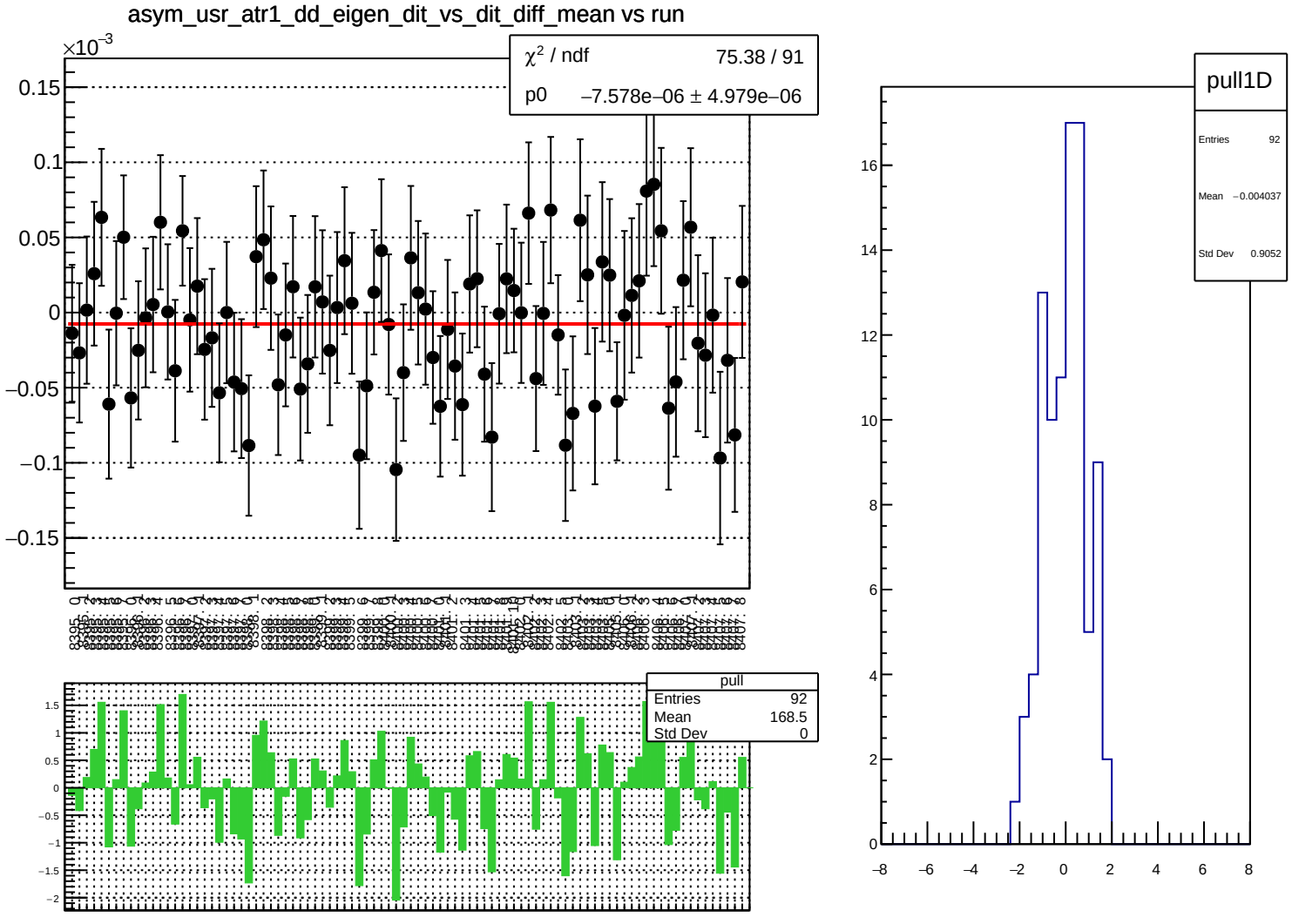

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.452e+05 / 91
p0 7.251e−11 ± 8.219e−14
1.2
1
0.8
0.6
0.4
0.2
0

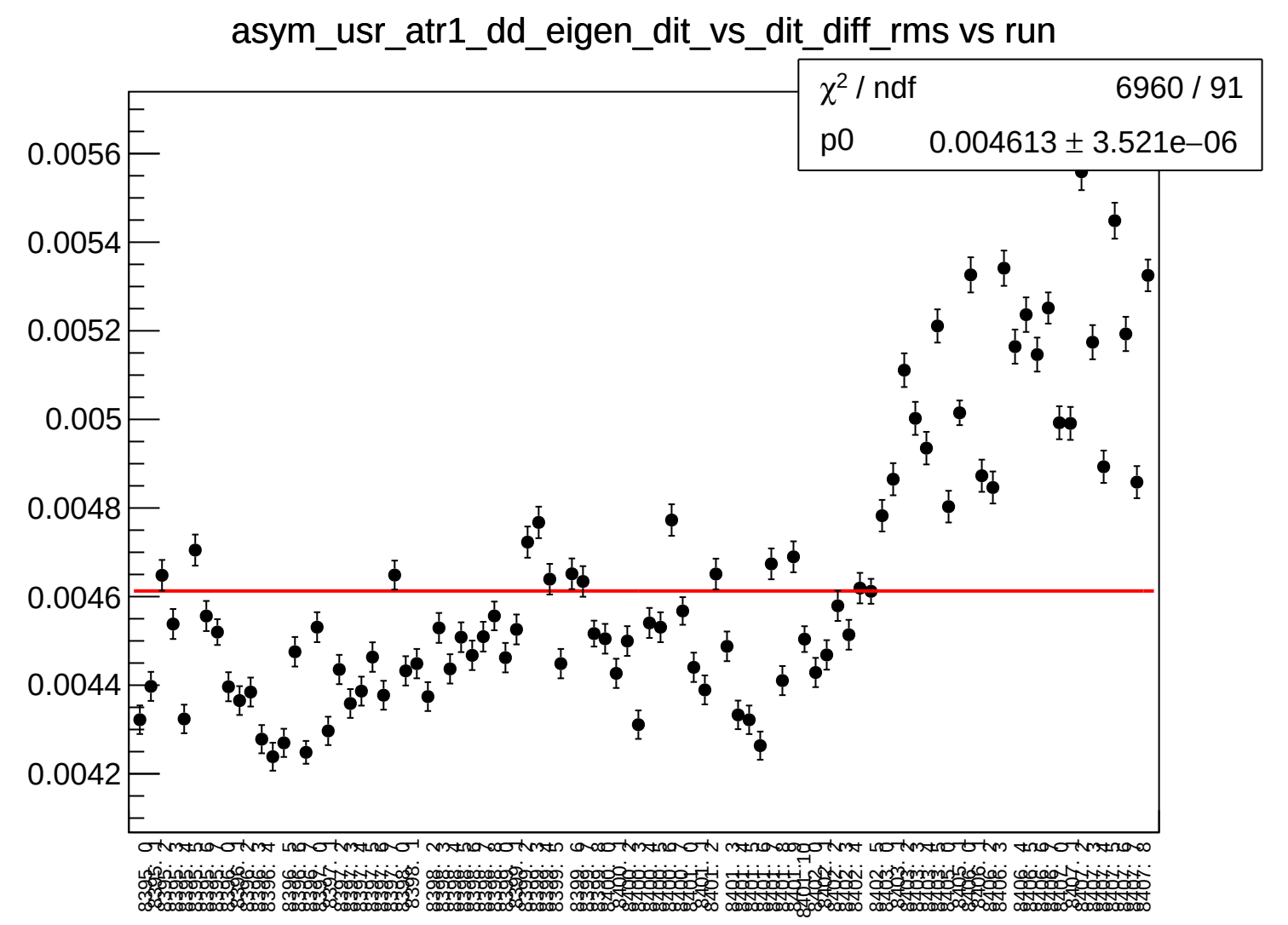

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.33 / 91
p0 −0.03963 ± 0.03982
pull
Entries 92
Mean 88.95
Std Dev 0
pull1D
Entries 92
Mean 0.03165
Std Dev 1.017

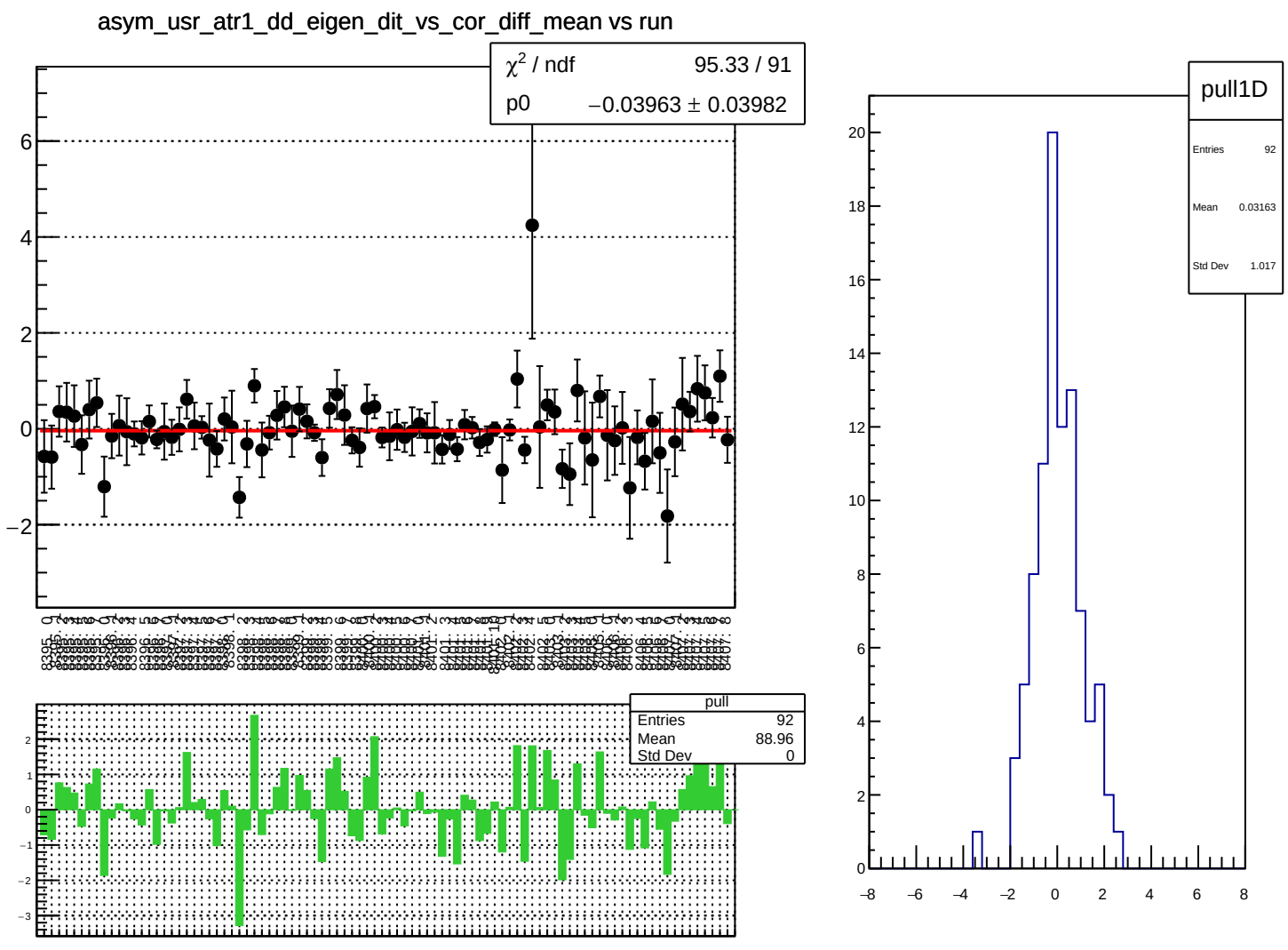

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.296e+05 / 91
p0 33.24 ± 0.02816
240
220
200
180
160
140
120
100
80
60
40
20

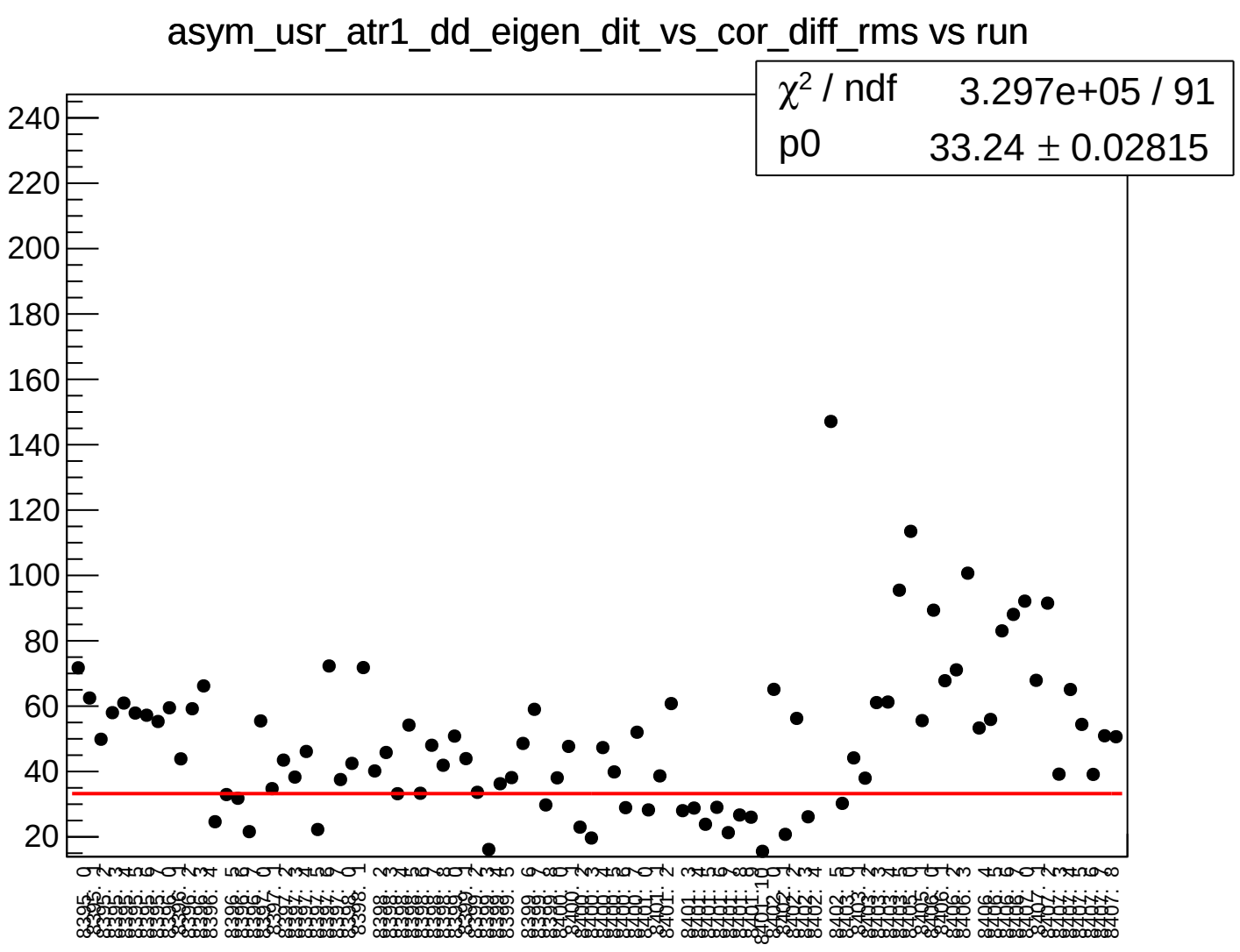

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.33 / 91
p0 −0.03963 ± 0.03982
pull
Entries 92
Mean 88.95
Std Dev 0
pull1D
Entries 92
Mean 0.03165
Std Dev 1.017

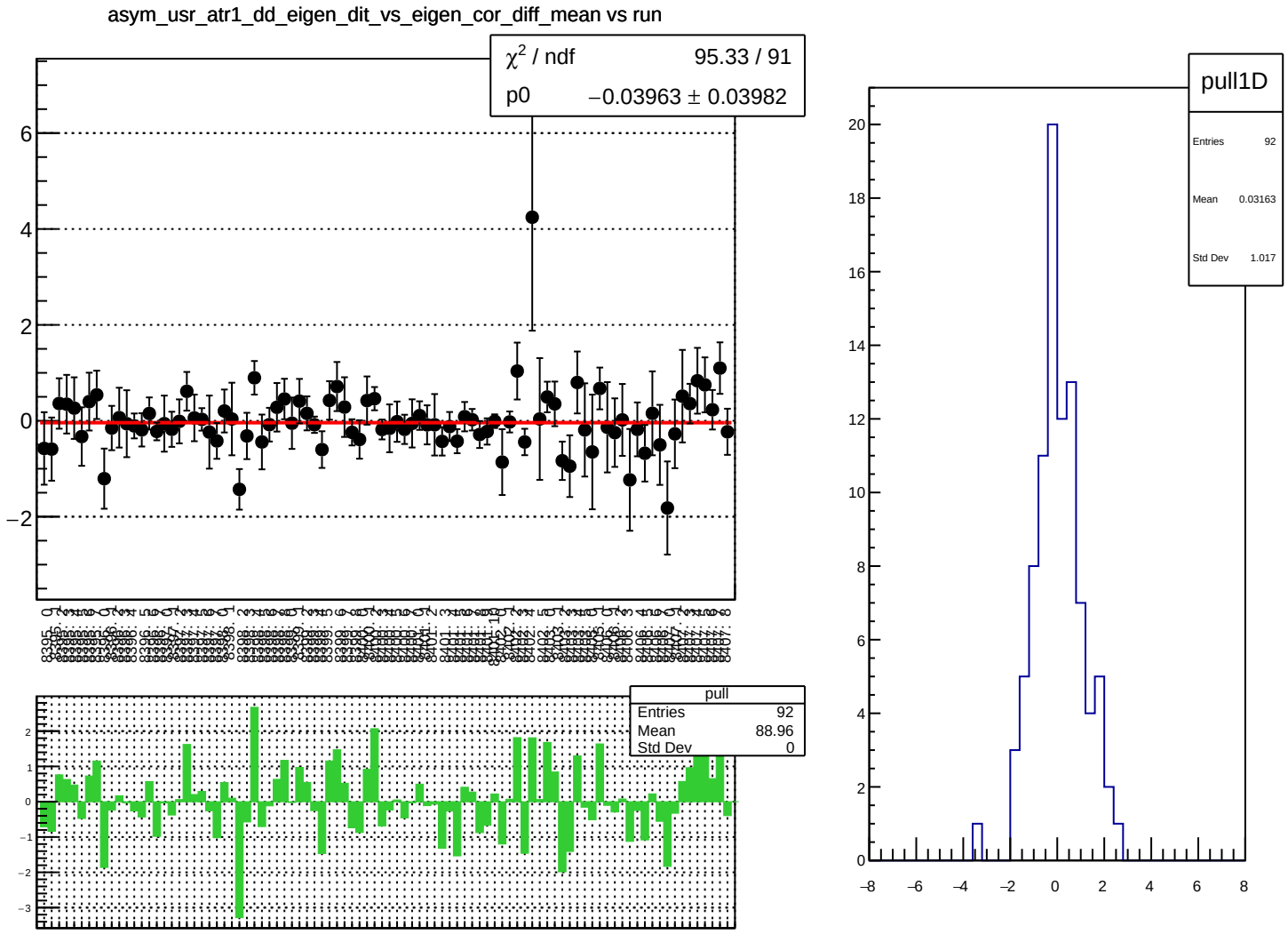

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.296e+05 / 91
p0 33.24 ± 0.02816
240
220
200
180
160
140
120
100
80
60
40
20

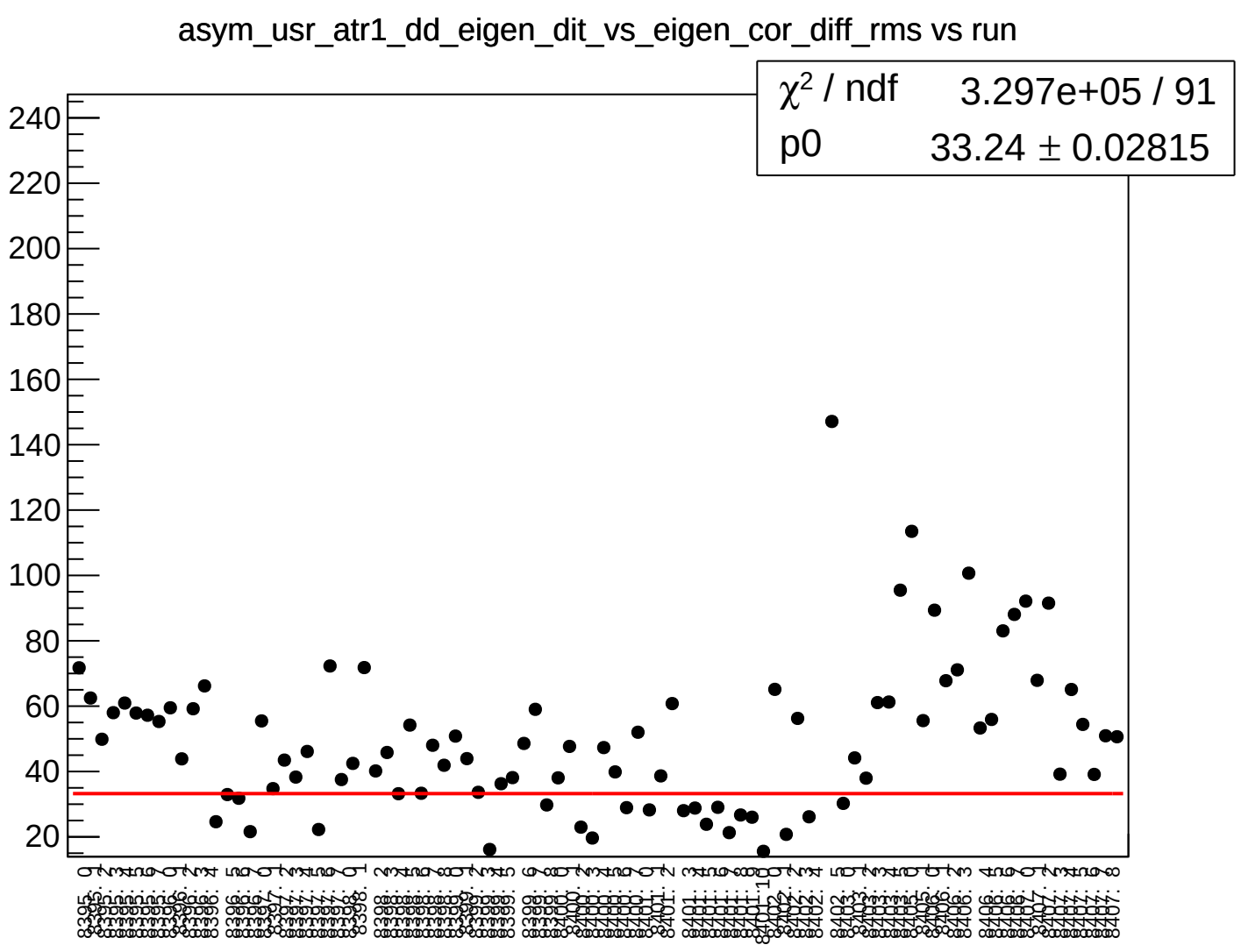

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.38 / 91
p0 −7.578e−06 ± 4.979e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 168.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.004037
Std Dev 0.9052
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

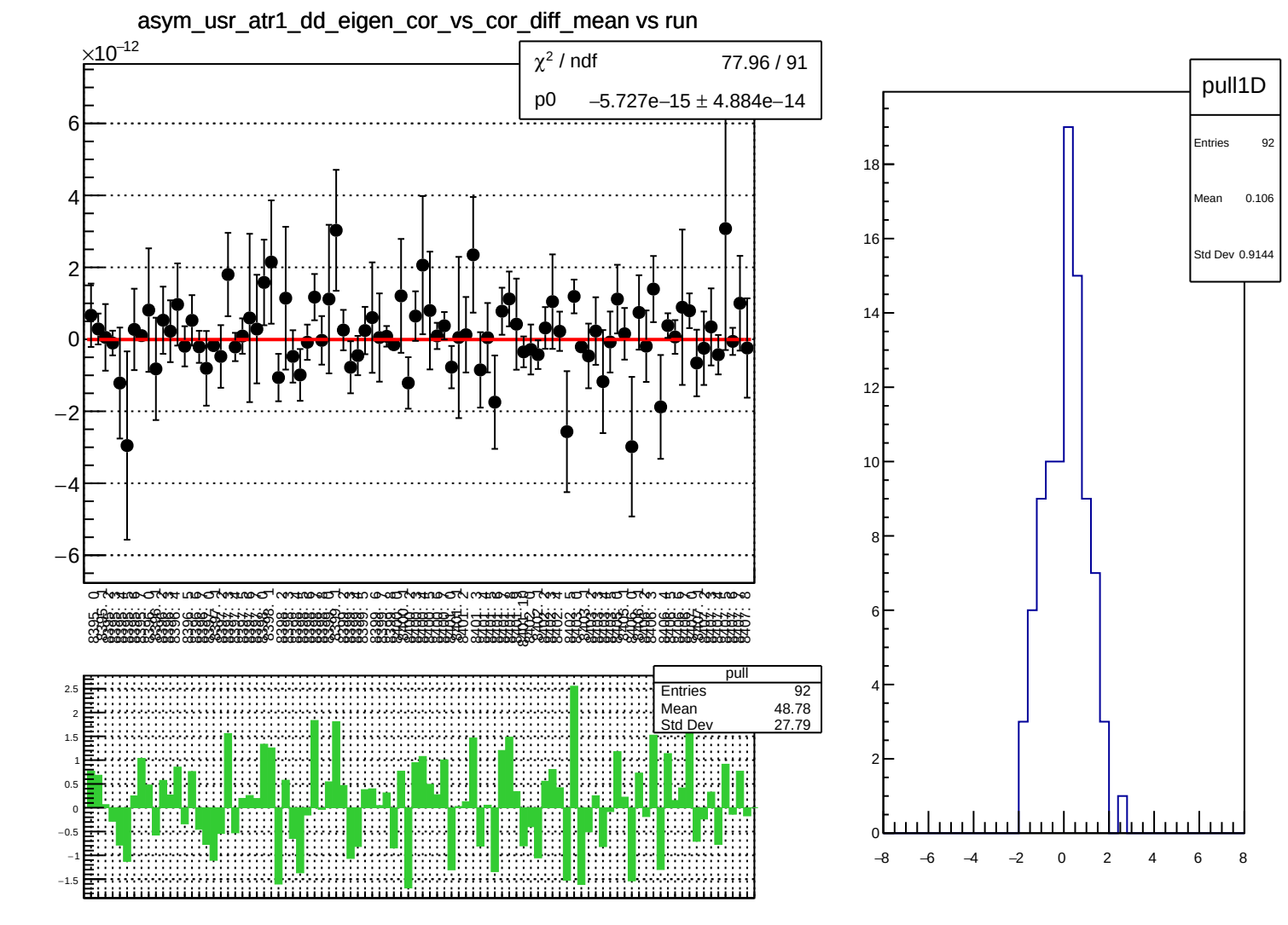

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6960 / 91
p0 0.004613 ± 3.521e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

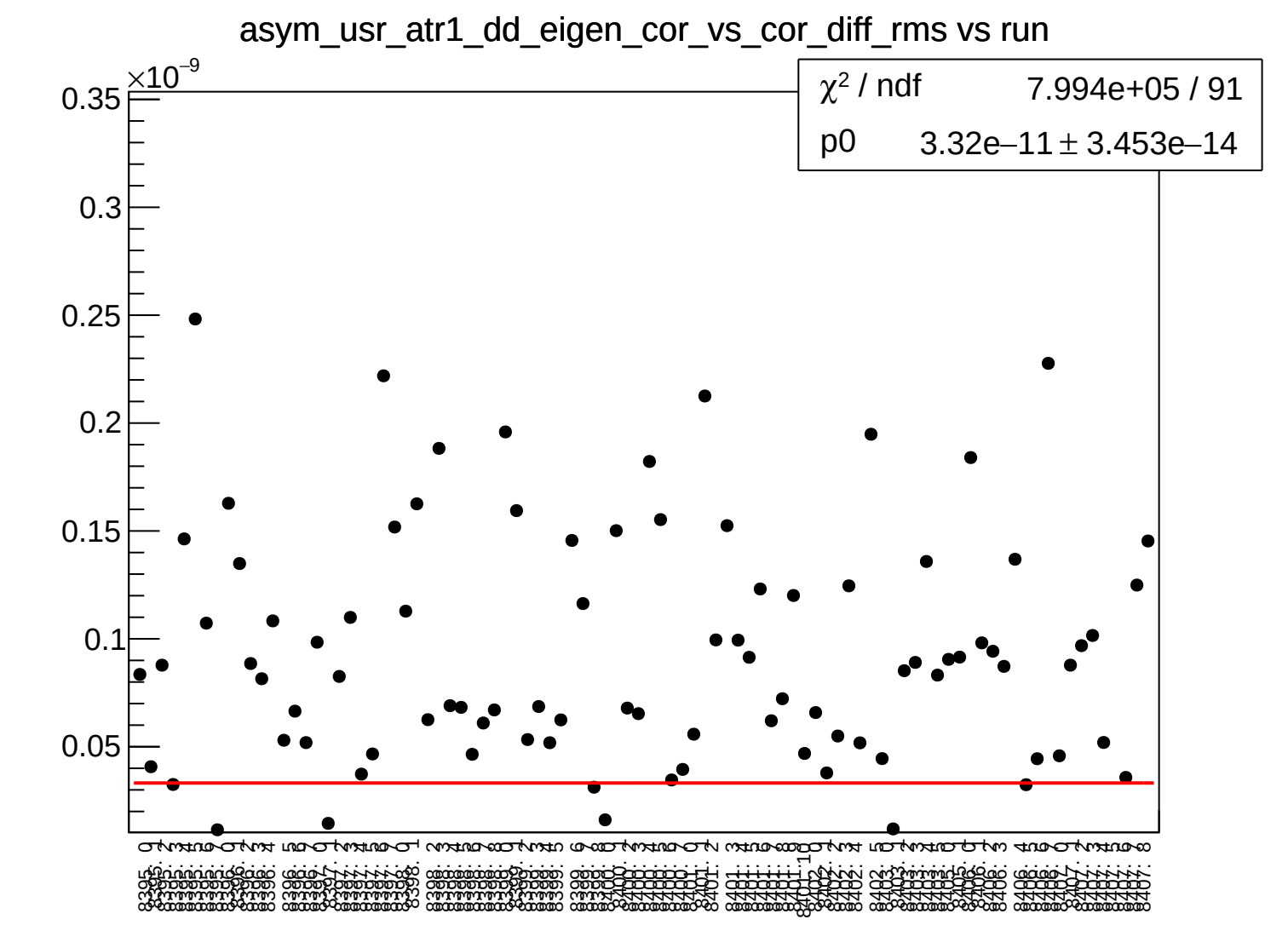

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.33 / 91
p0 −0.03963 ± 0.03982
pull
Entries 92
Mean 88.96
Std Dev 0
pull1D
Entries 92
Mean 0.03163
Std Dev 1.017

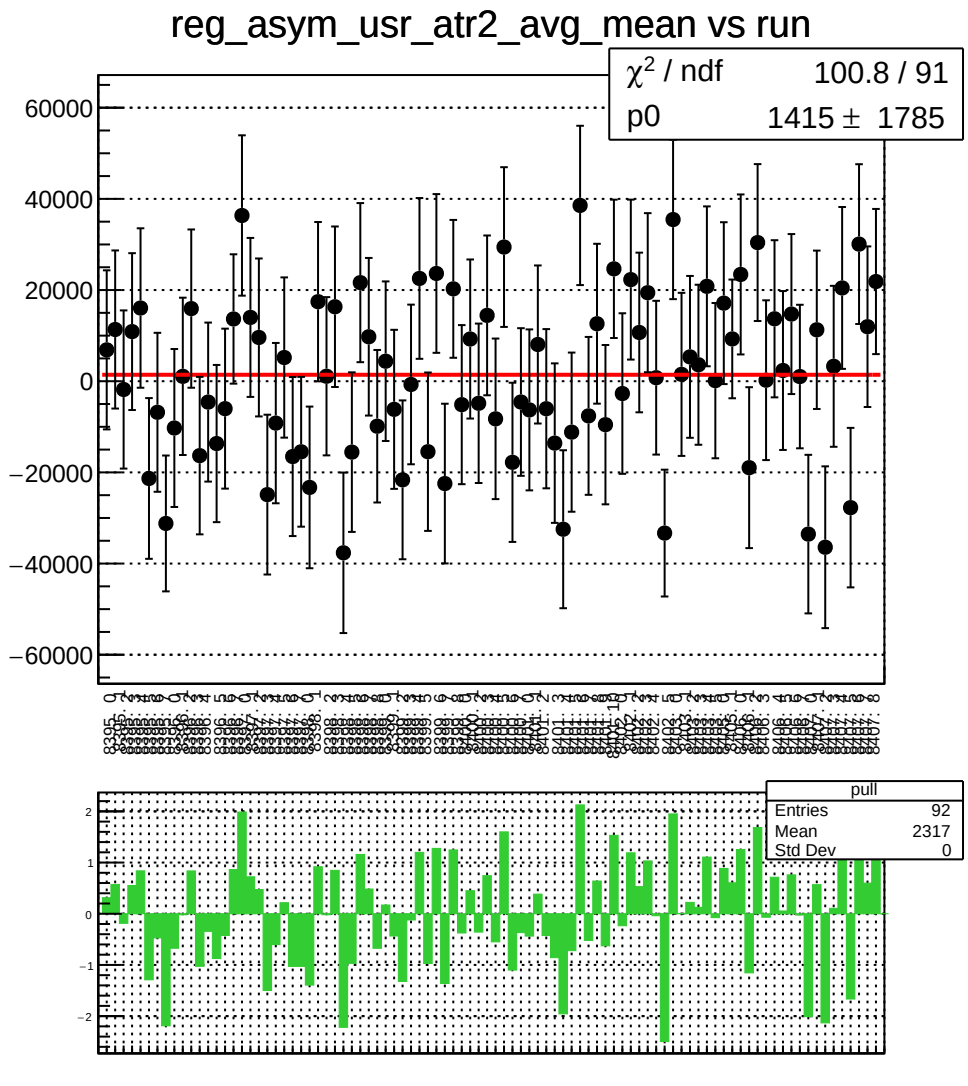

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.297e+05 / 91
p0 33.24 ± 0.02815
240
220
200
180
160
140
120
100
80
60
40
20

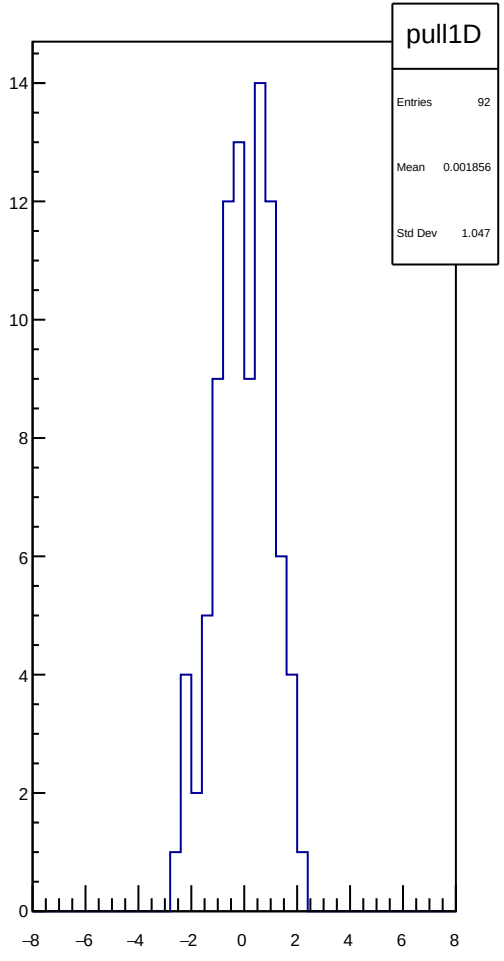

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.33 / 91
p0 −0.03963 ± 0.03982
pull
Entries 92
Mean 88.96
Std Dev 0
pull1D
Entries 92
Mean 0.03163
Std Dev 1.017

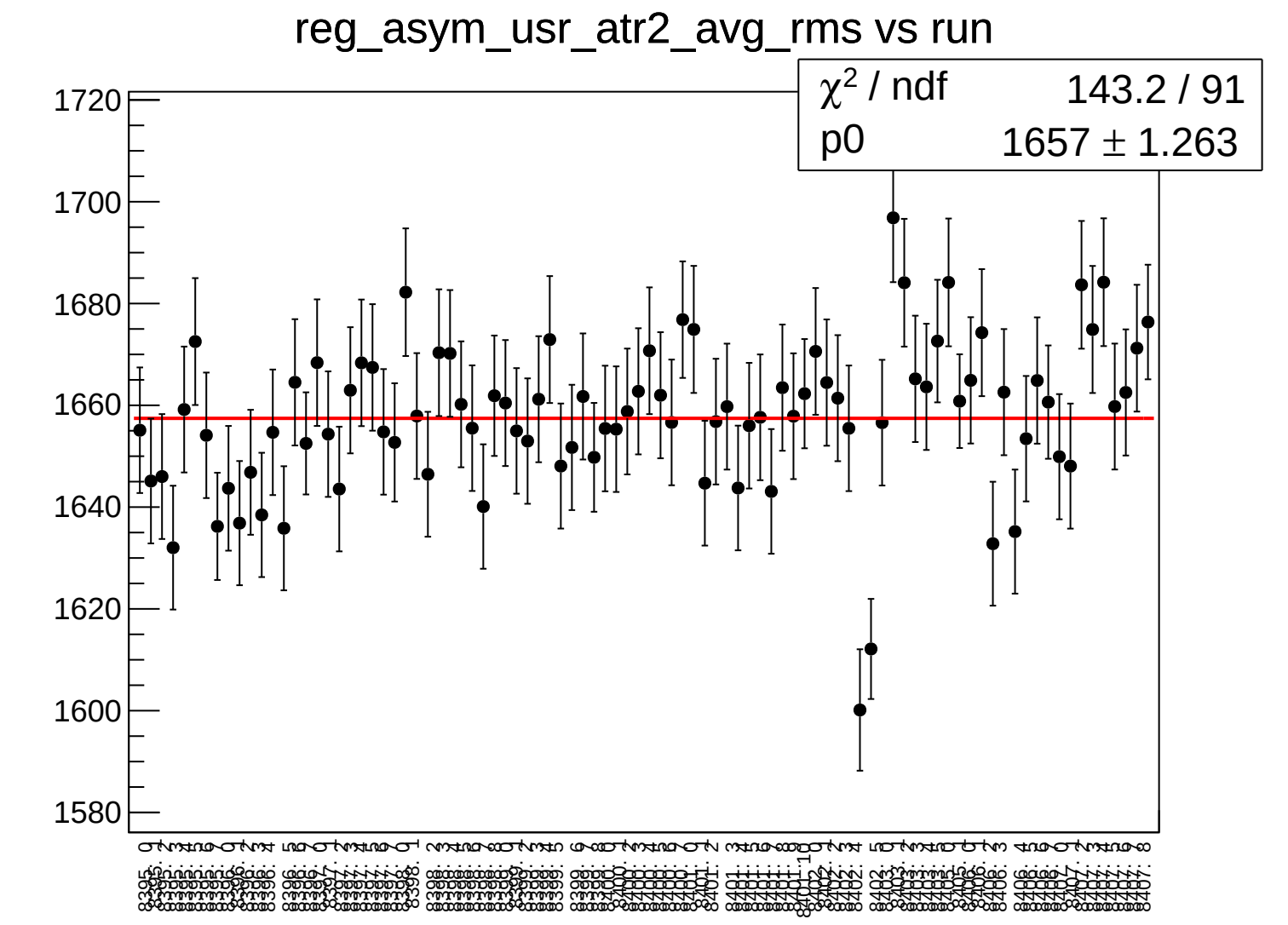

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.297e+05 / 91
p0 33.24 ± 0.02815
240
220
200
180
160
140
120
100
80
60
40
20

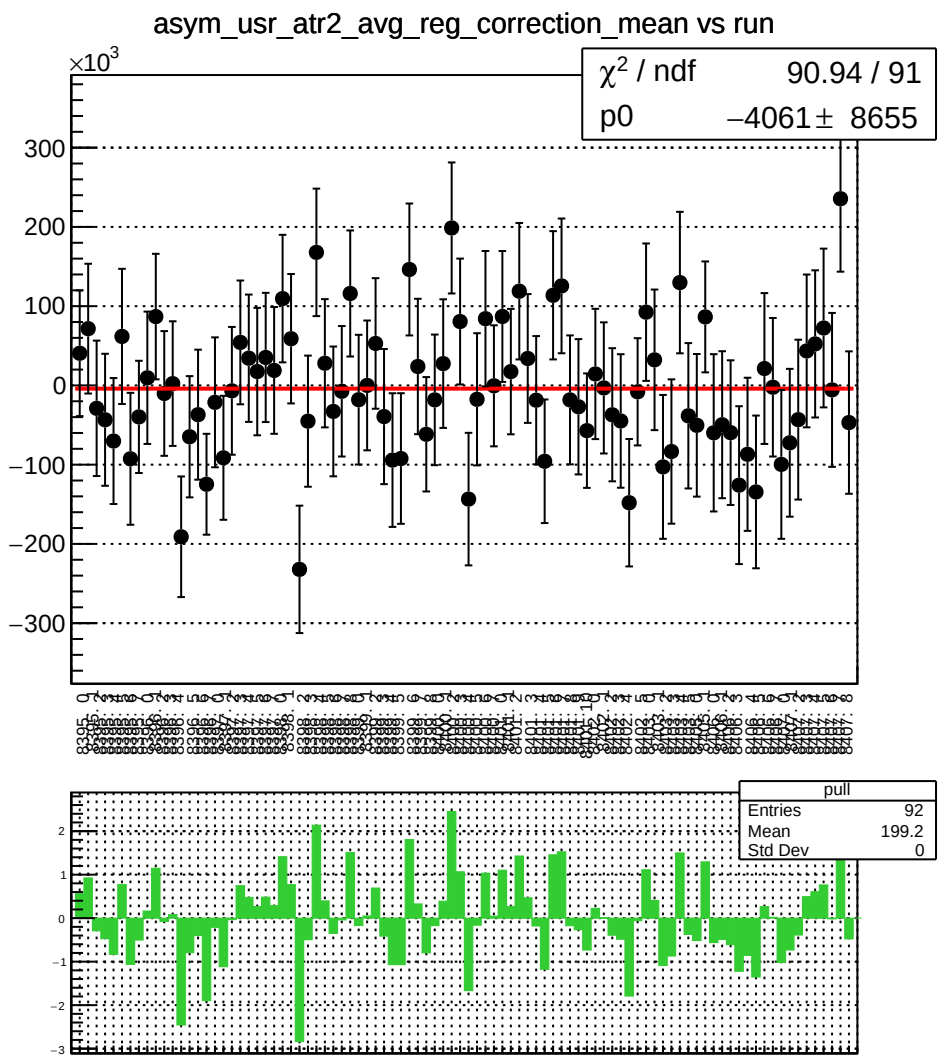

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.96 / 91
p0 −5.727e−15 ± 4.884e−14
pull
Entries 92
Mean 48.78
Std Dev 27.79
pull1D
Entries 92
Mean 0.106
Std Dev 0.9144

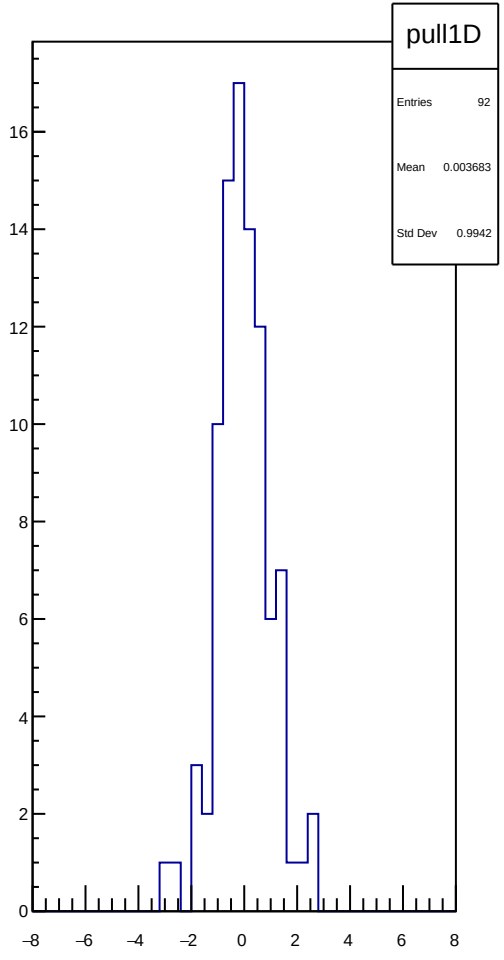

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.994e+05 / 91
p0 3.32e−11 ± 3.453e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

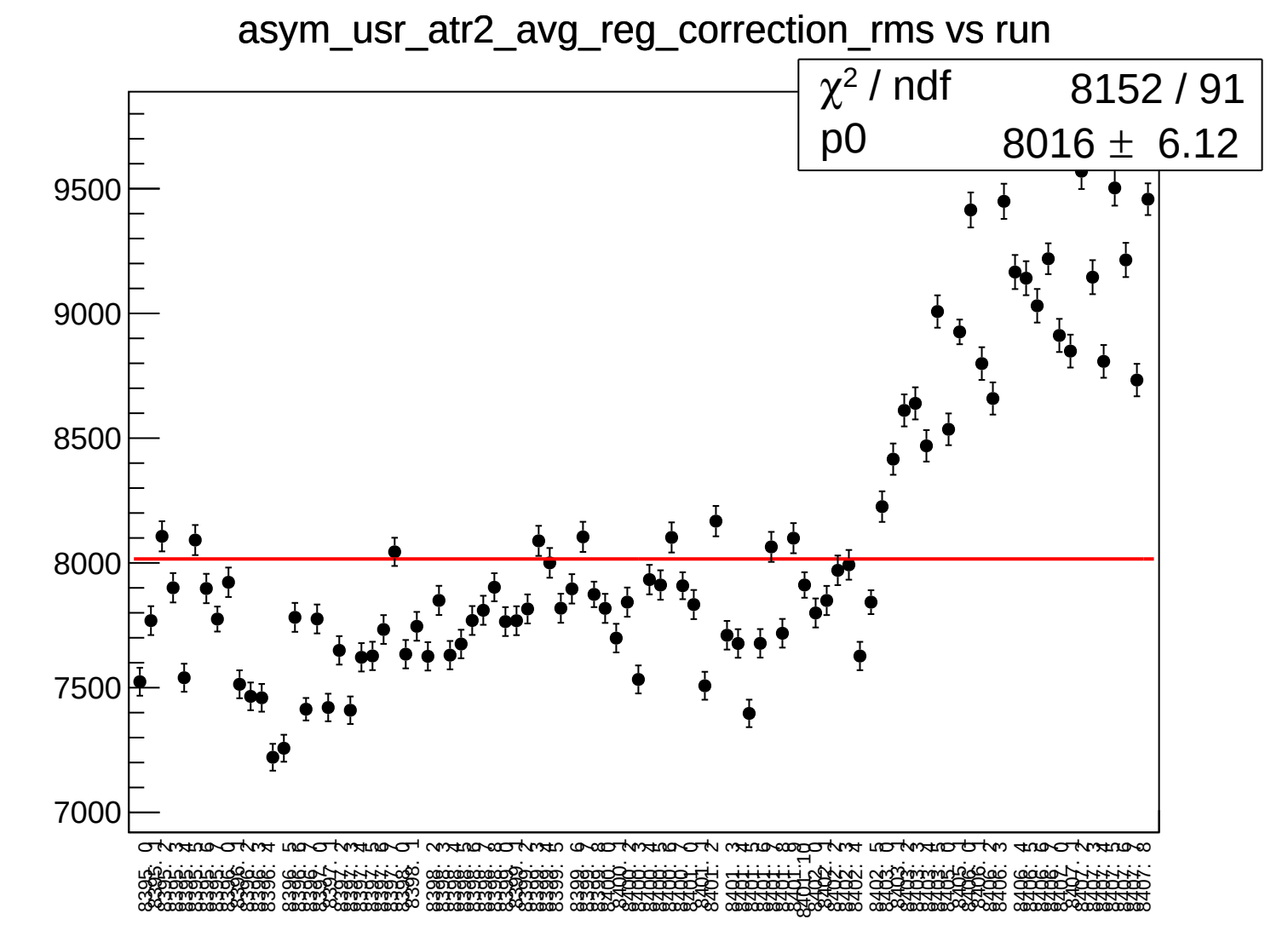

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 100.8 / 91
p0 1415 ± 1785
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 2317
Std Dev 0
2
1
0
−1
−2

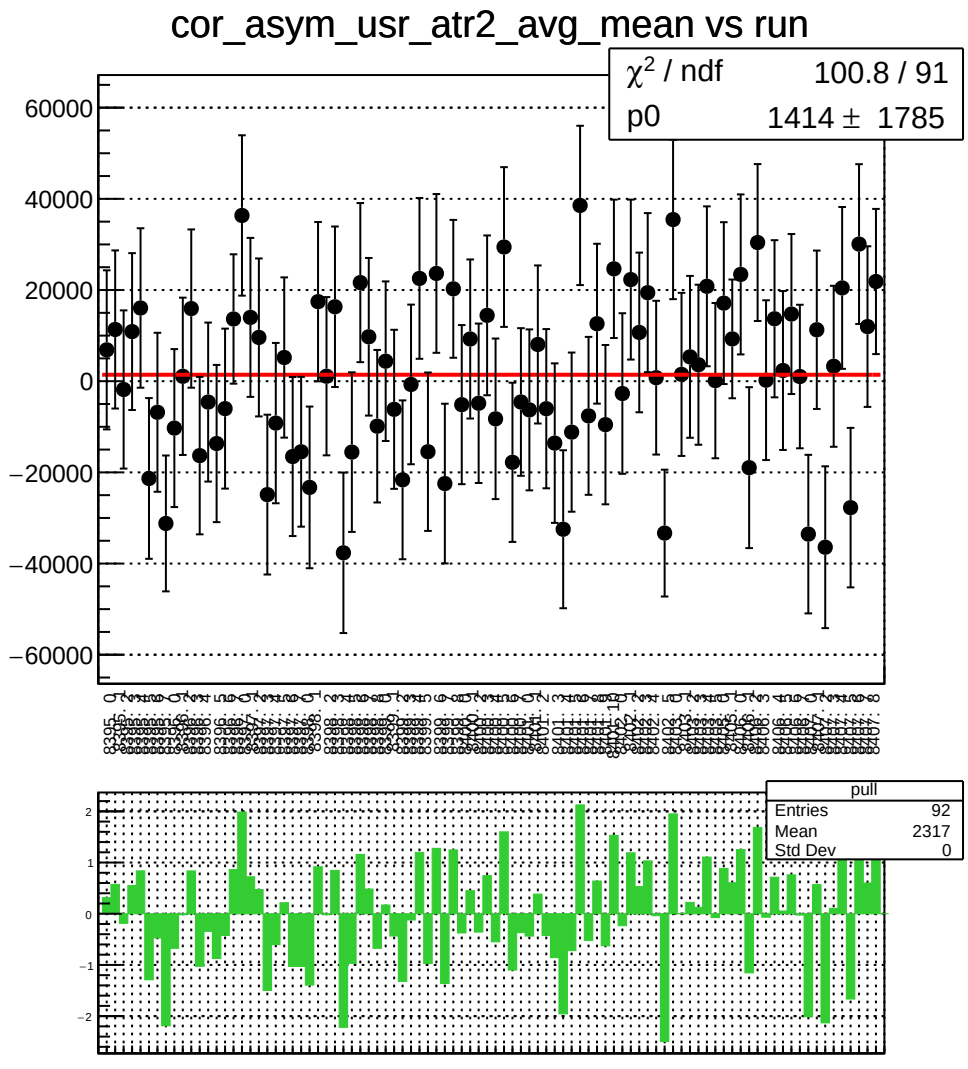

pull1D
Entries 92
Mean 0.001856
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

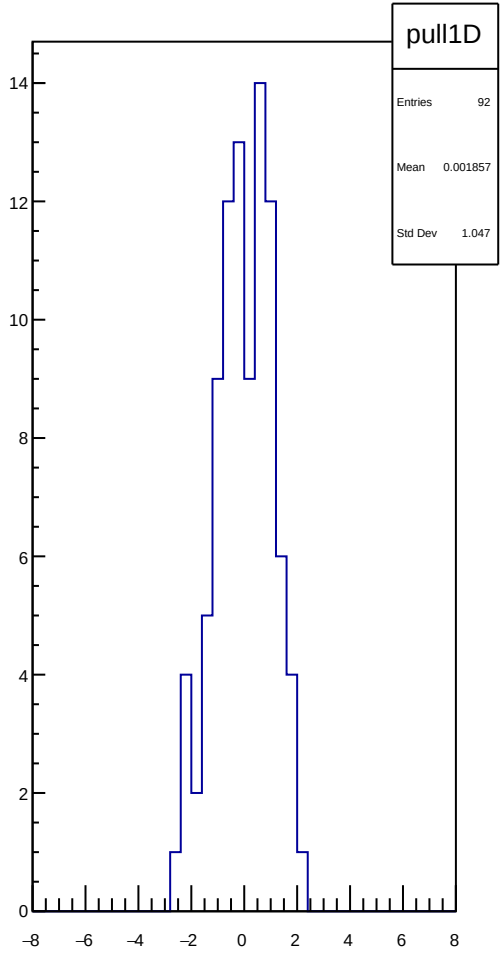

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 143.2 / 91
p0 1657 ± 1.263
1720
1700
1680
1660
1640
1620
1600
1580

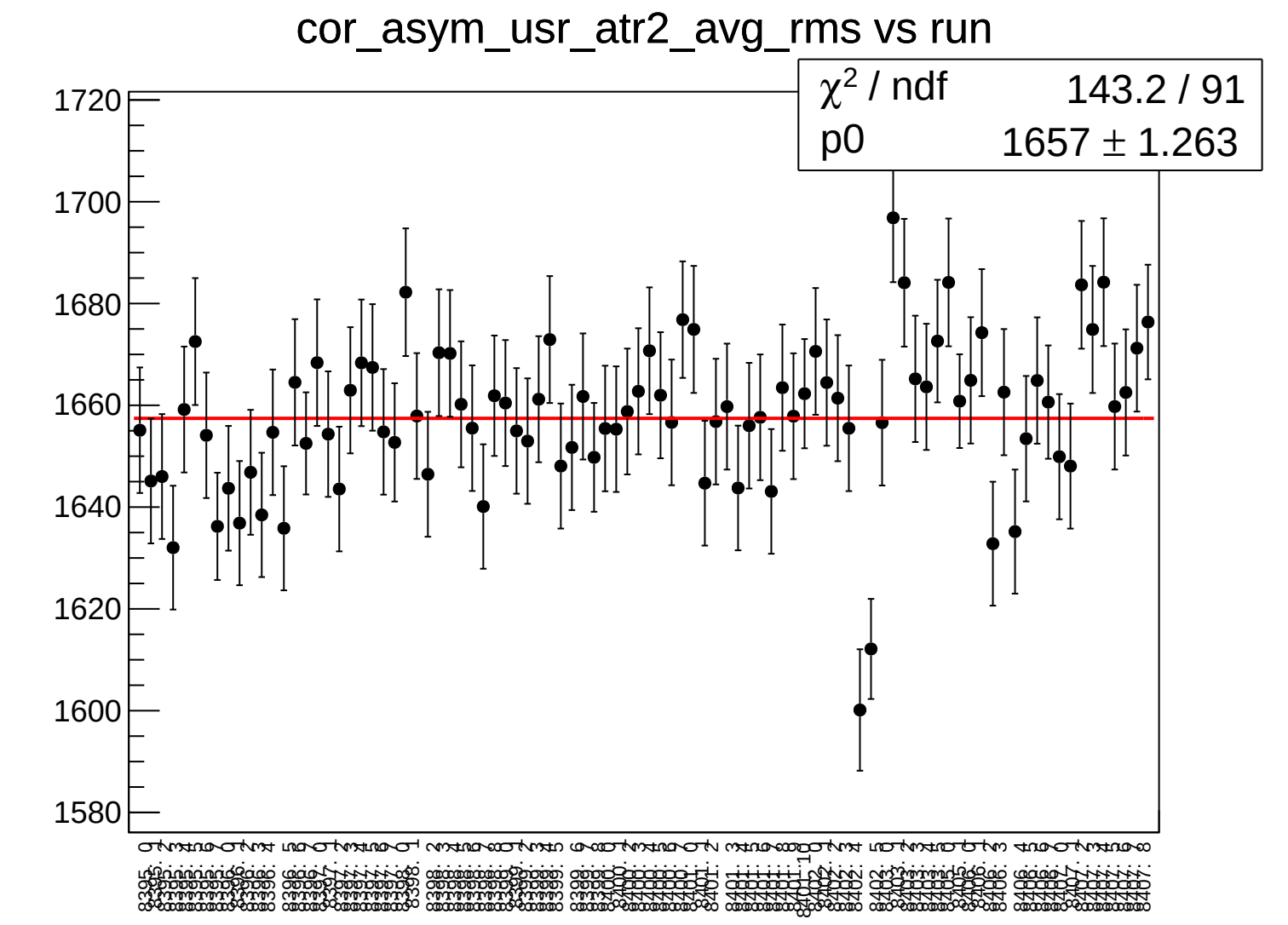

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 90.94 / 91
p0 −4061 ± 8655
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 199.2
Std Dev 0
2
1
0
−1
−2
−3

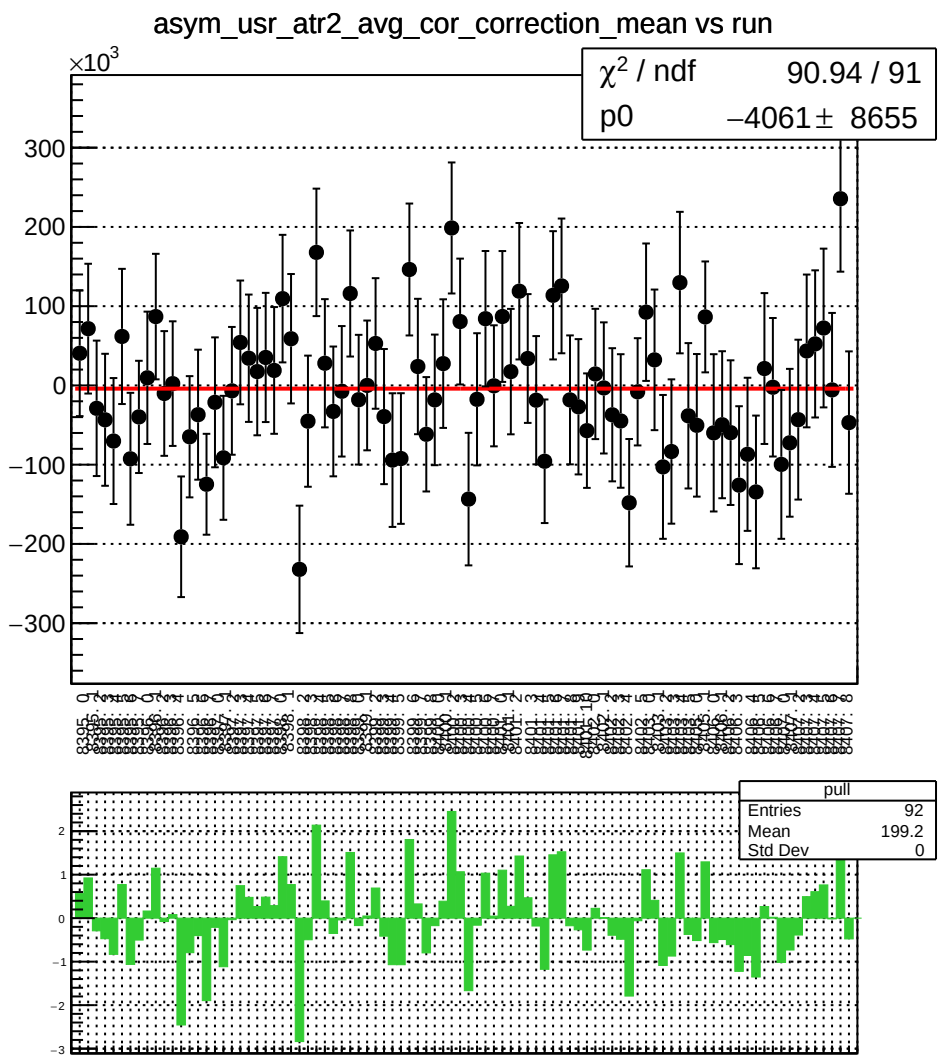

pull1D
Entries 92
Mean 0.003683
Std Dev 0.9942
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

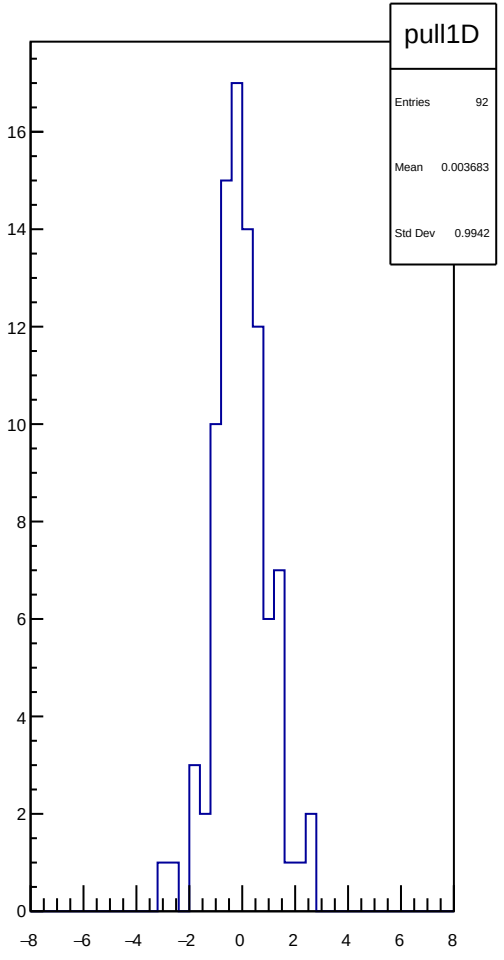

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 8152 / 91
p0 8016 ± 6.12
9500
9000
8500
8000
7500
7000

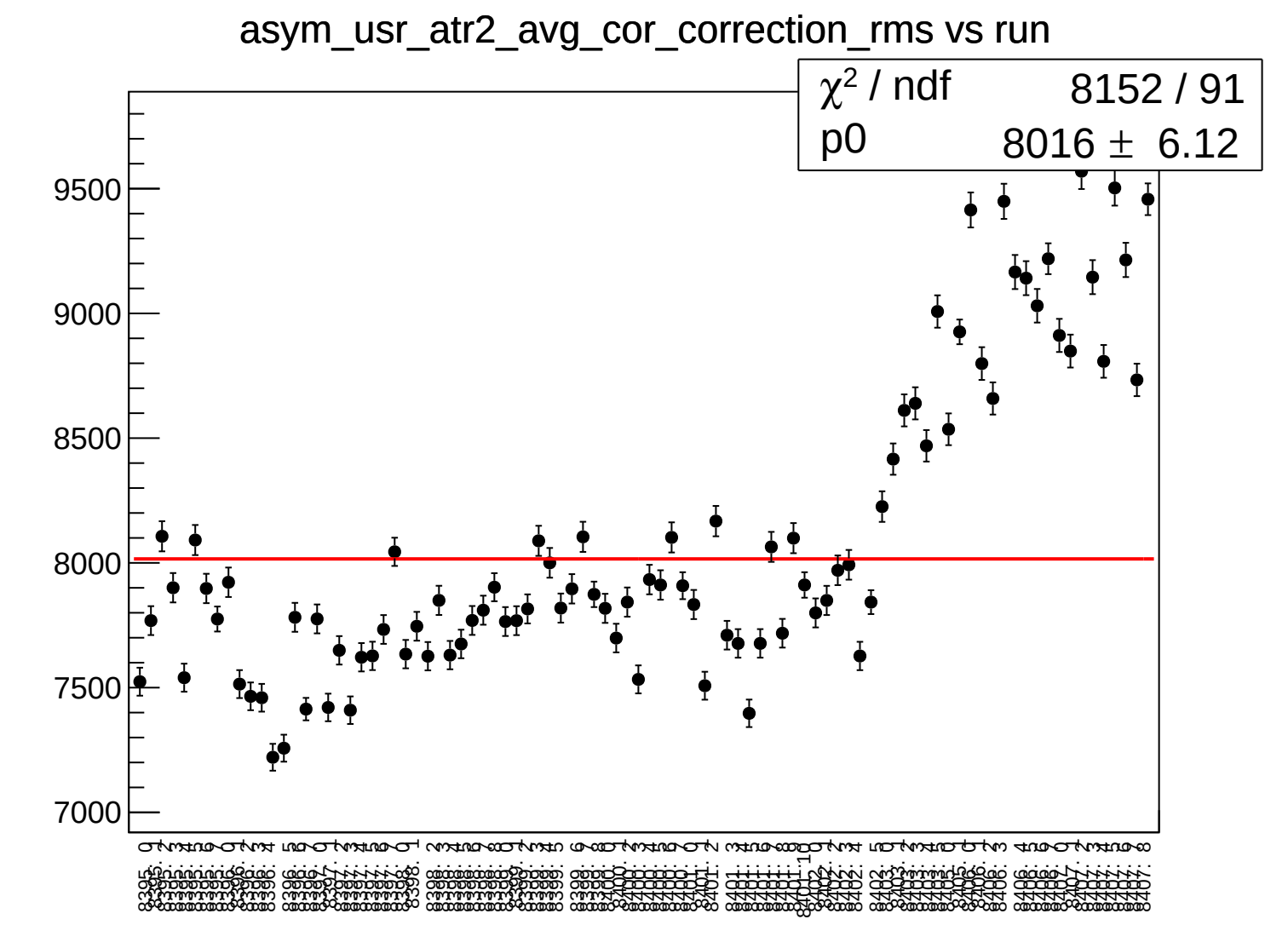

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 100.8 / 91
p0 1414 ± 1785
pull
Entries 92
Mean 2317
Std Dev 0

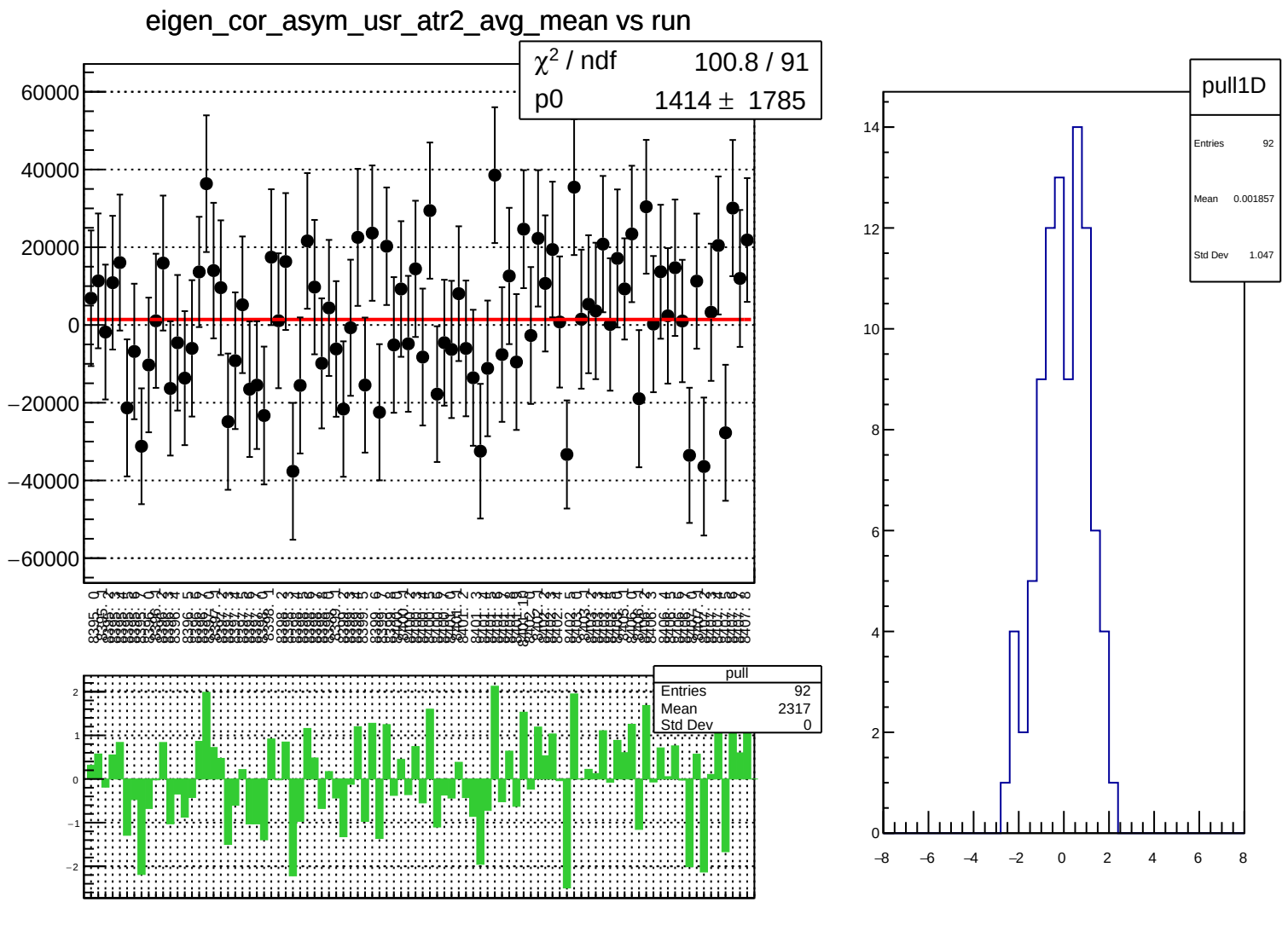

pull1D
Entries 92
Mean 0.001857
Std Dev 1.047

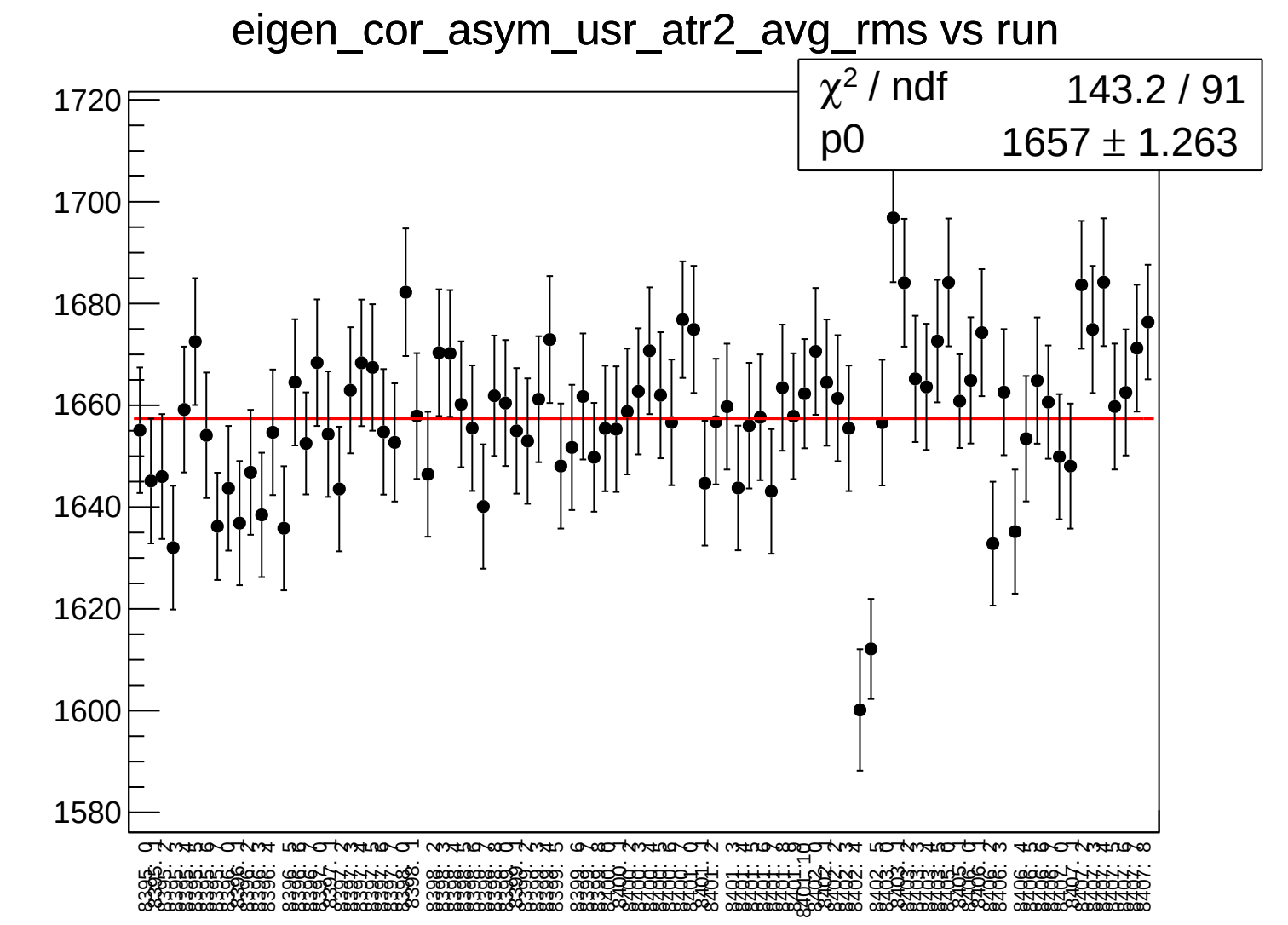

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 143.2 / 91
p0 1657 ± 1.263
1720
1700
1680
1660
1640
1620
1600
1580

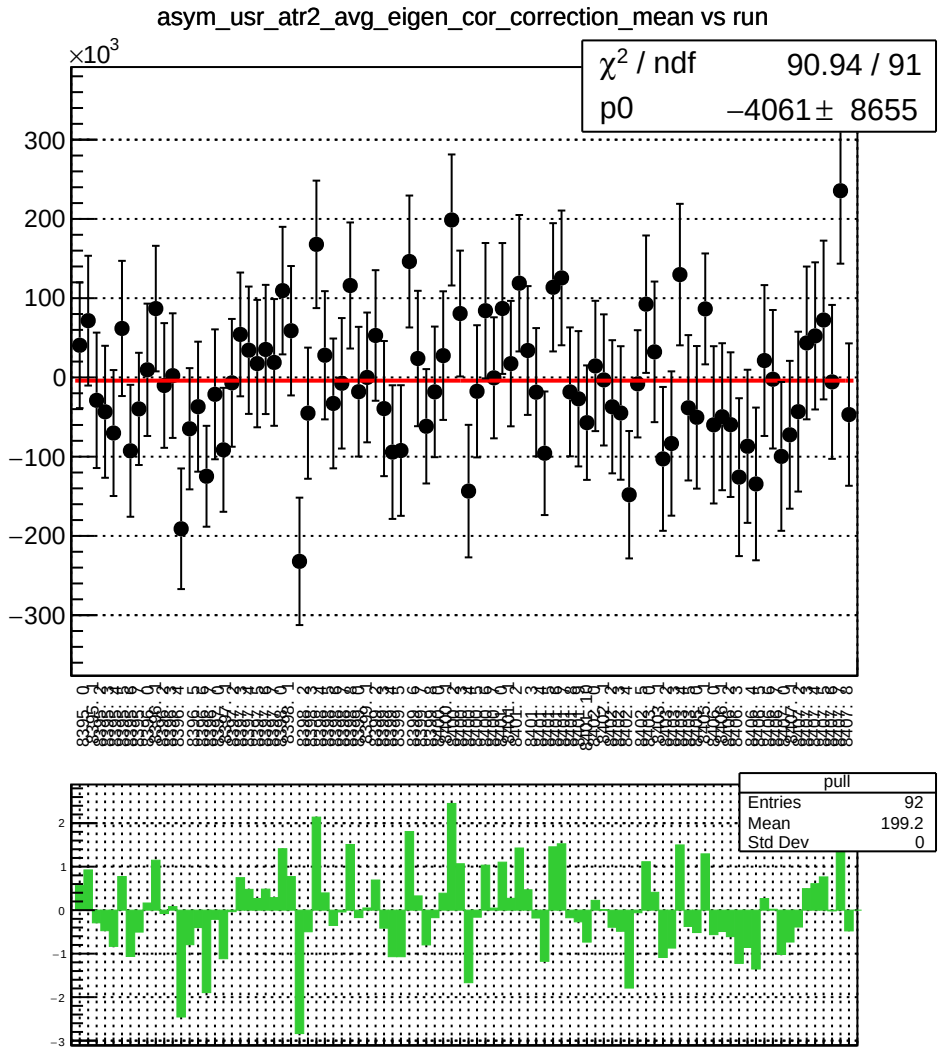

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 90.94 / 91
p0 −4061 ± 8655
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 199.2
Std Dev 0
2
1
0
−1
−2
−3

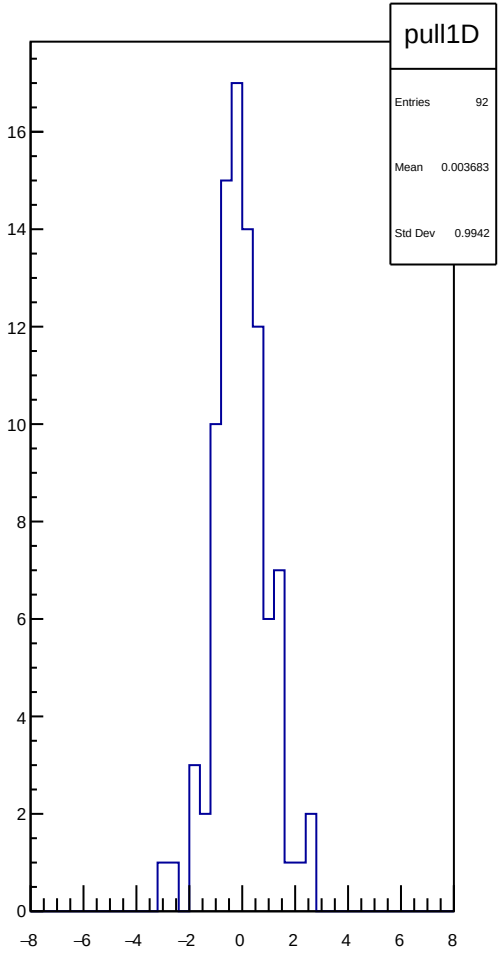

pull1D
Entries 92
Mean 0.003683
Std Dev 0.9942
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

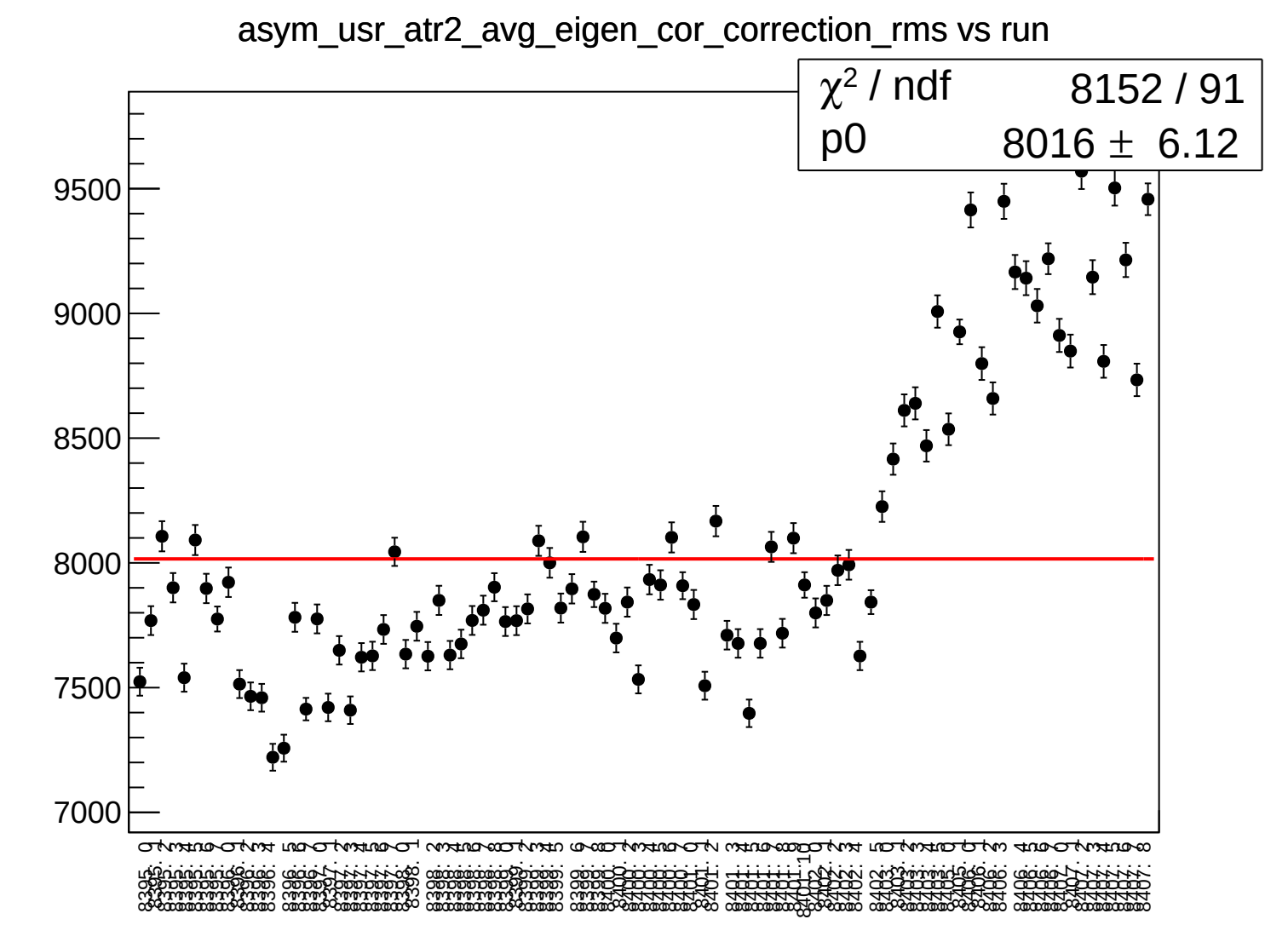

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 8152 / 91
p0 8016 ± 6.12
9500
9000
8500
8000
7500
7000

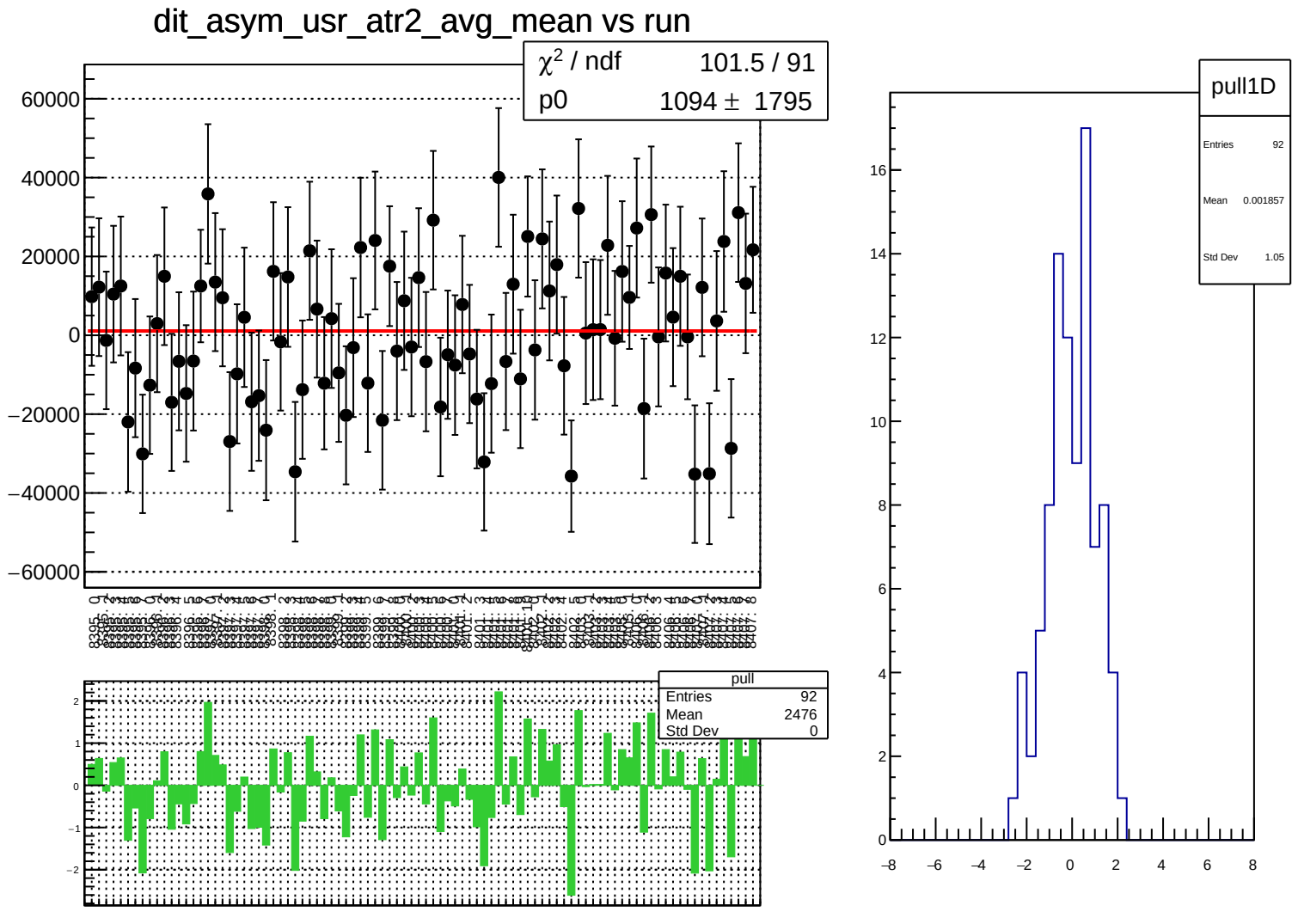

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 100.8 / 91
p0 1414 ± 1785
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 2317
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001857
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

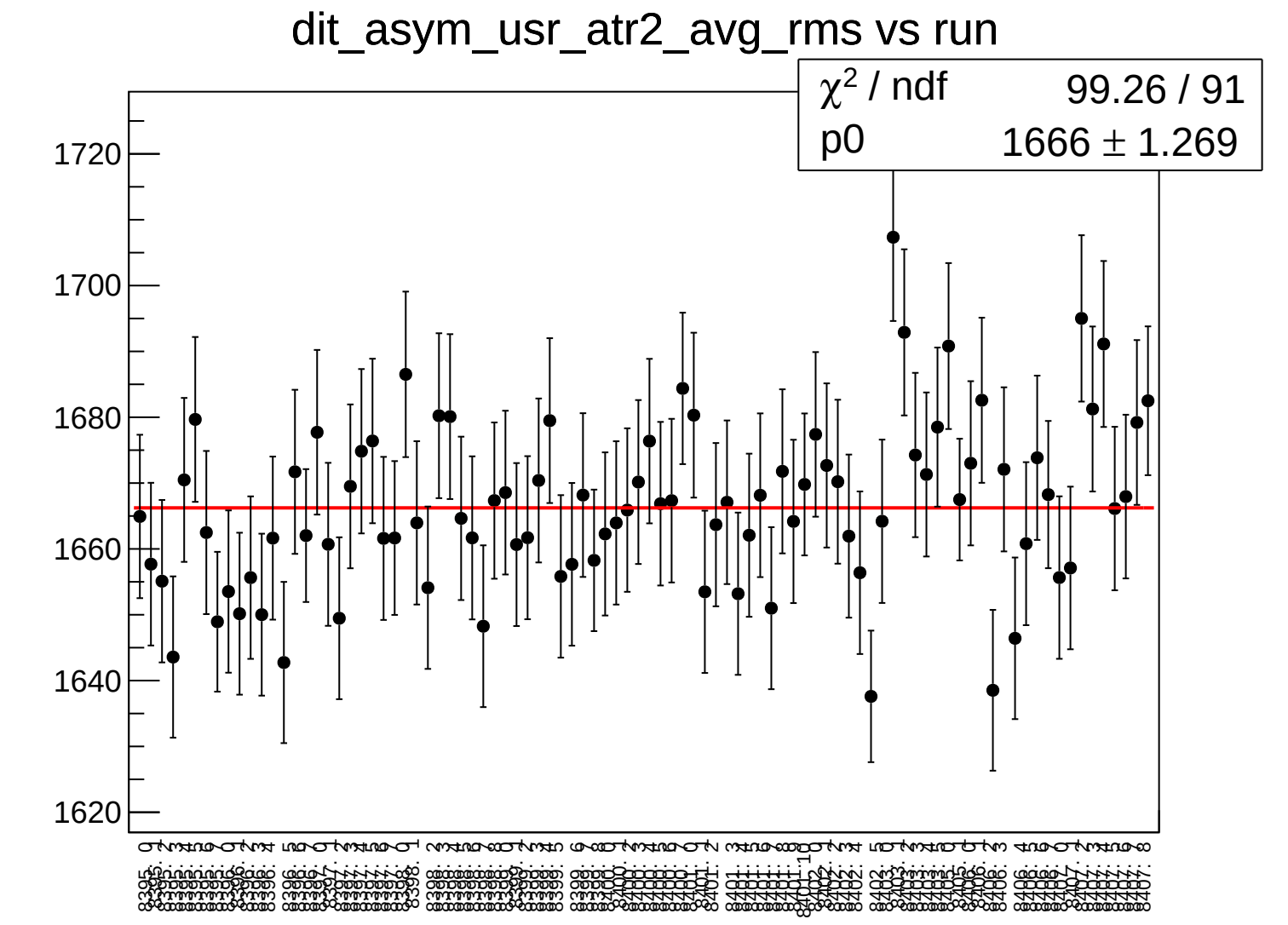

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 143.2 / 91
p0 1657 ± 1.263
1720
1700
1680
1660
1640
1620
1600
1580

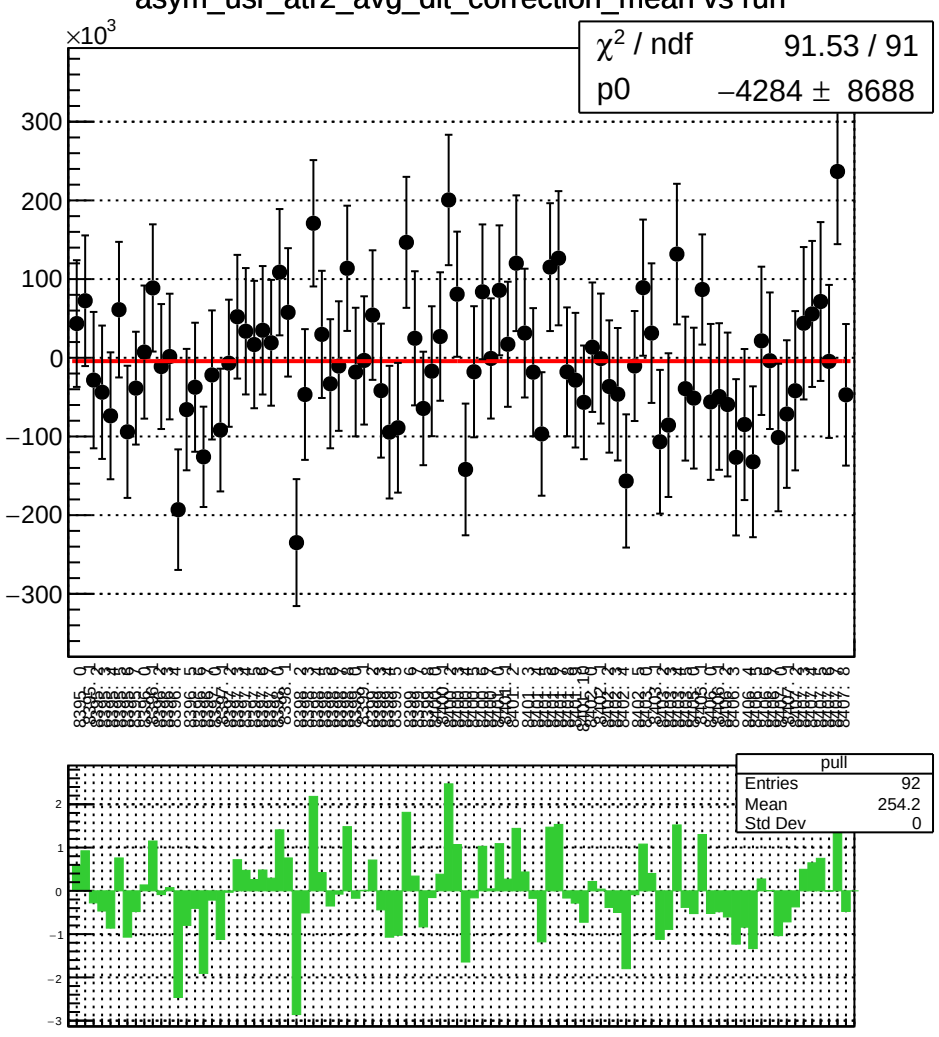

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 90.94 / 91
p0 −4061 ± 8655
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 199.2
Std Dev 0
2
1
0
−1
−2
−3

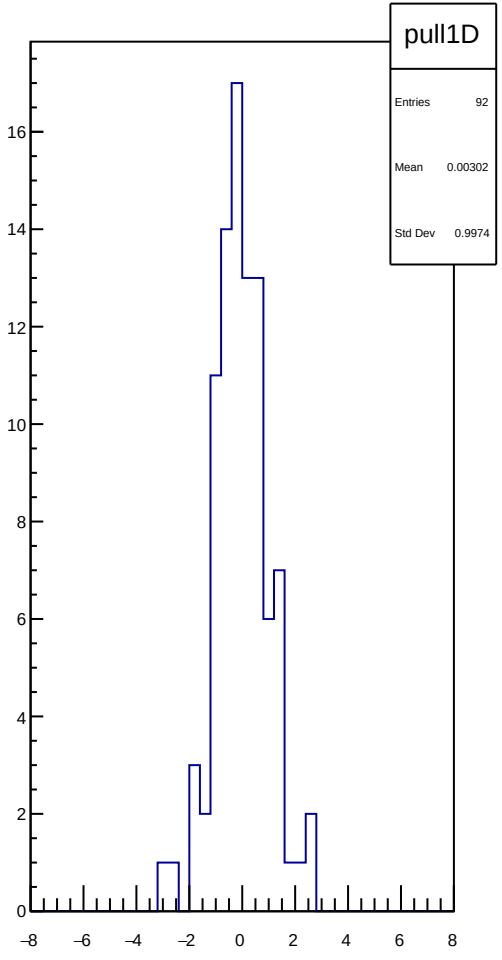

pull1D
Entries 92
Mean 0.003683
Std Dev 0.9942
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

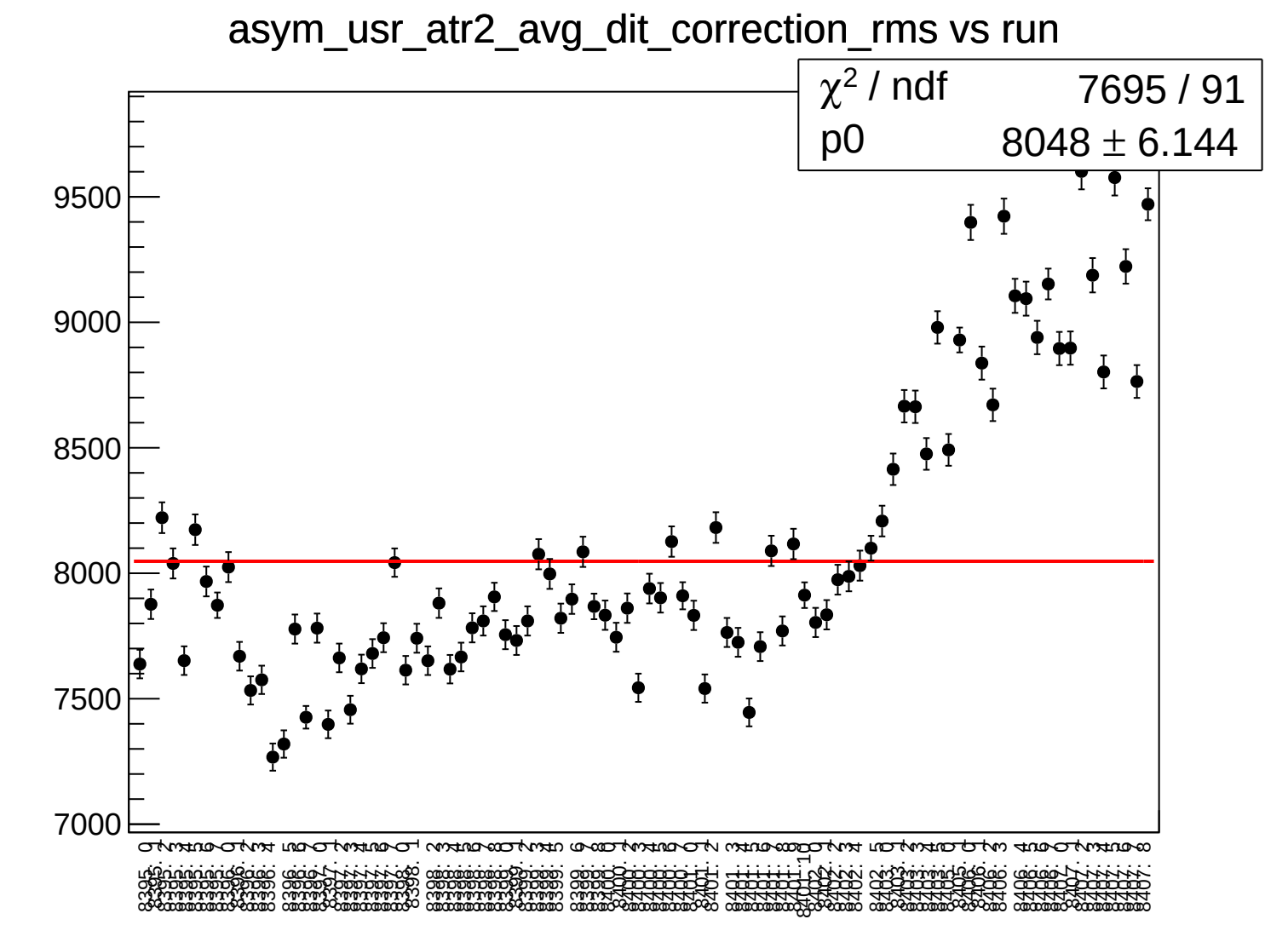

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 8152 / 91
p0 8016 ± 6.12
9500
9000
8500
8000
7500
7000

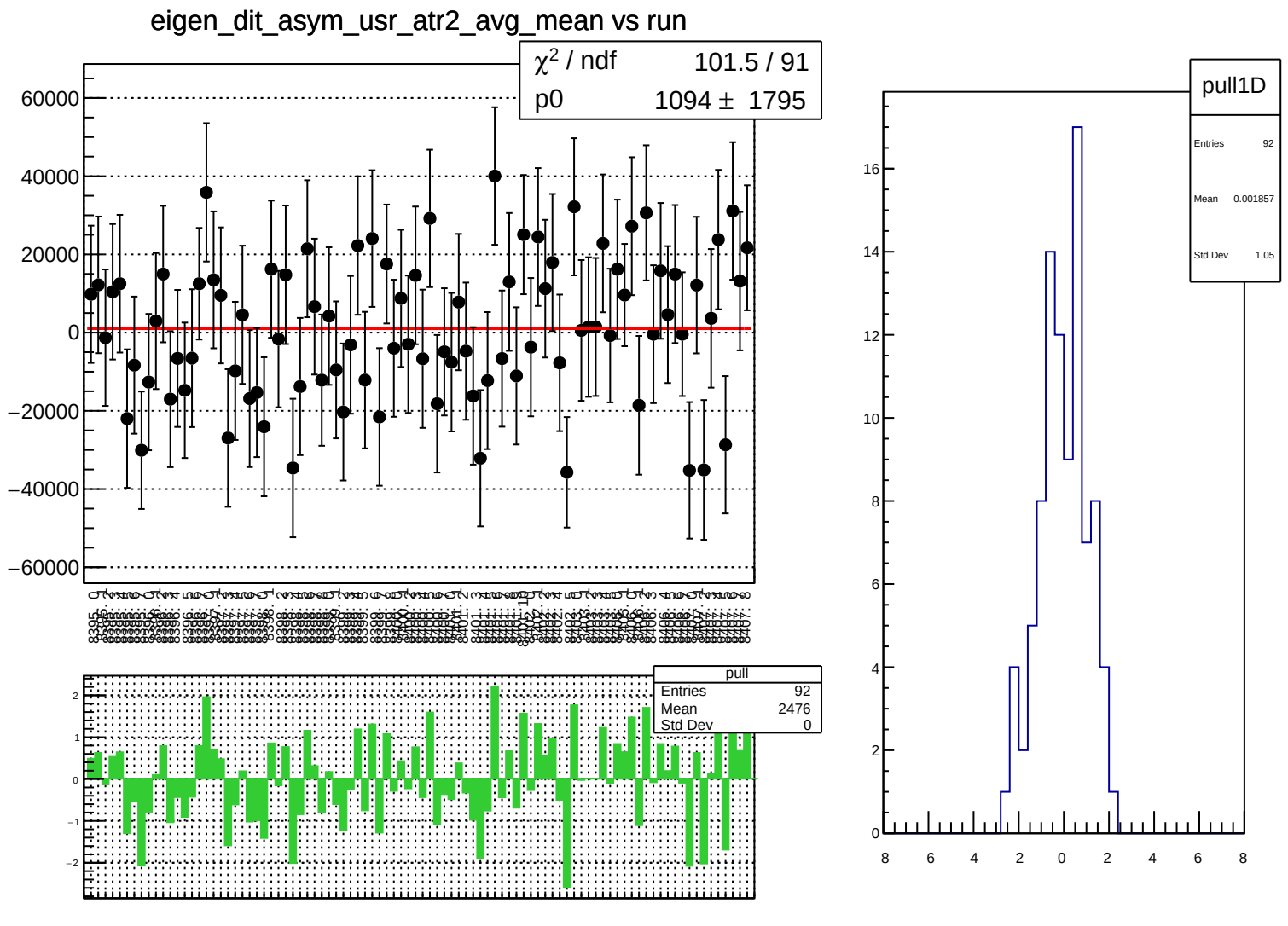

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 101.5 / 91
p0 1094 ± 1795
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 2476
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001857
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

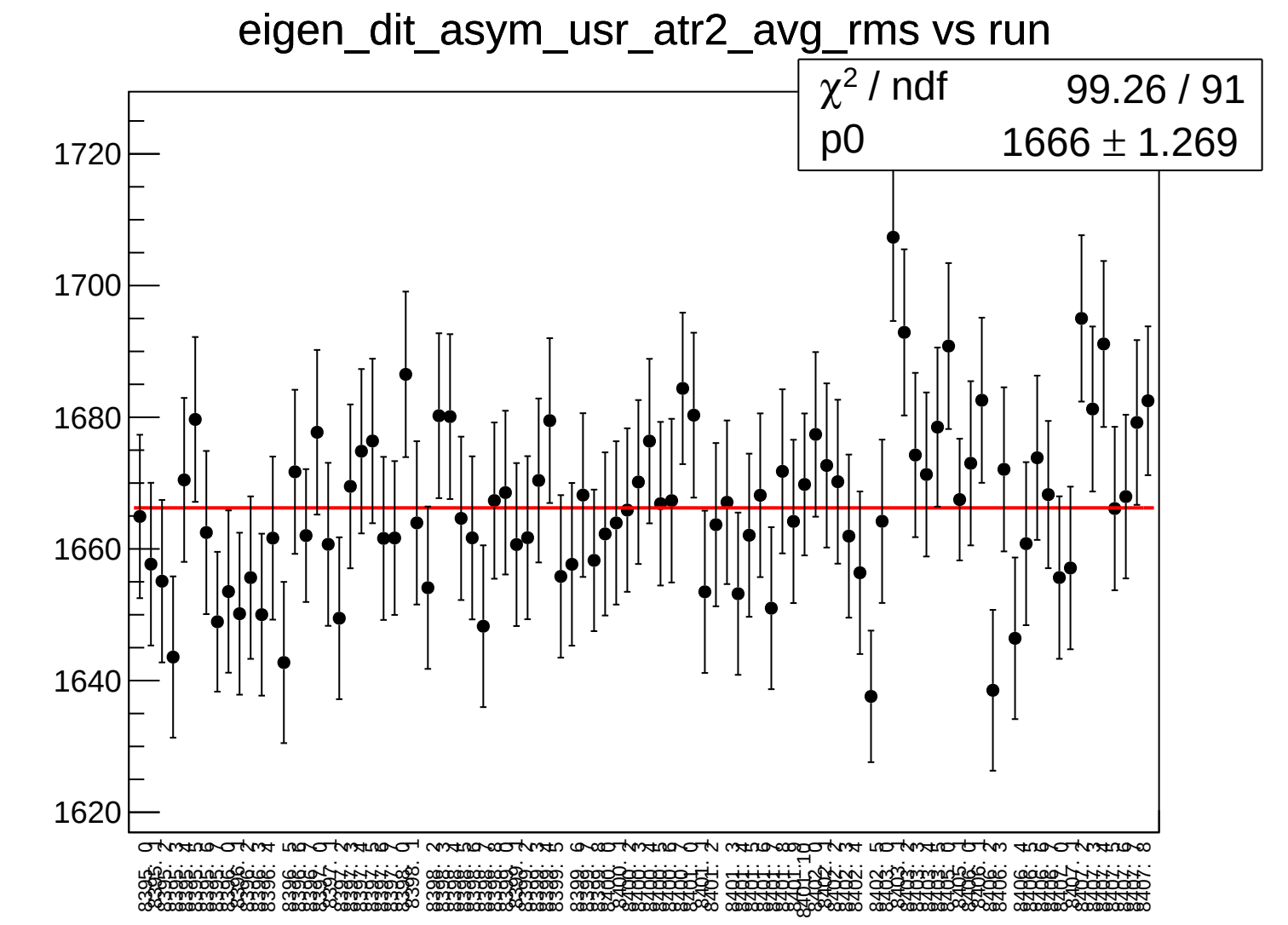

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 99.26 / 91
p0 1666 ± 1.269
1720
1700
1680
1660
1640
1620

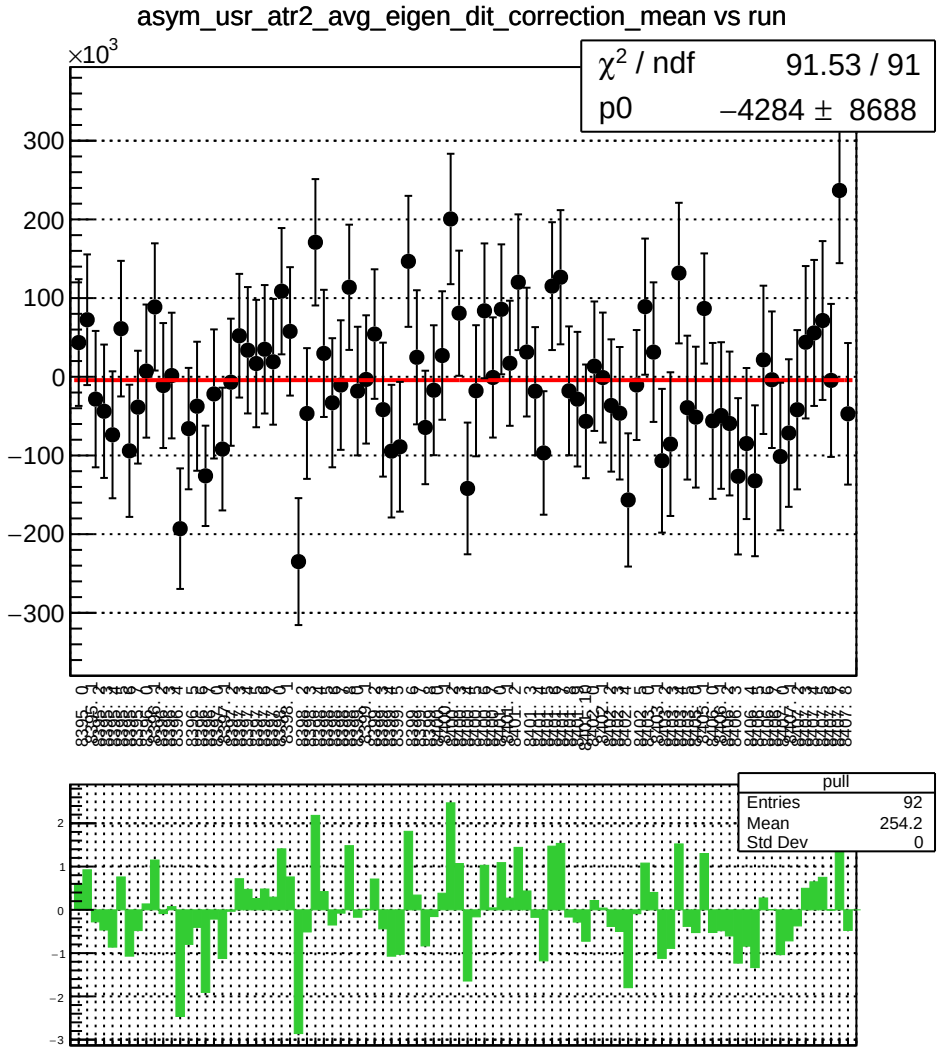

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 91.53 / 91
p0 −4284 ± 8688
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 254.2
Std Dev 0
2
1
0
−1
−2
−3

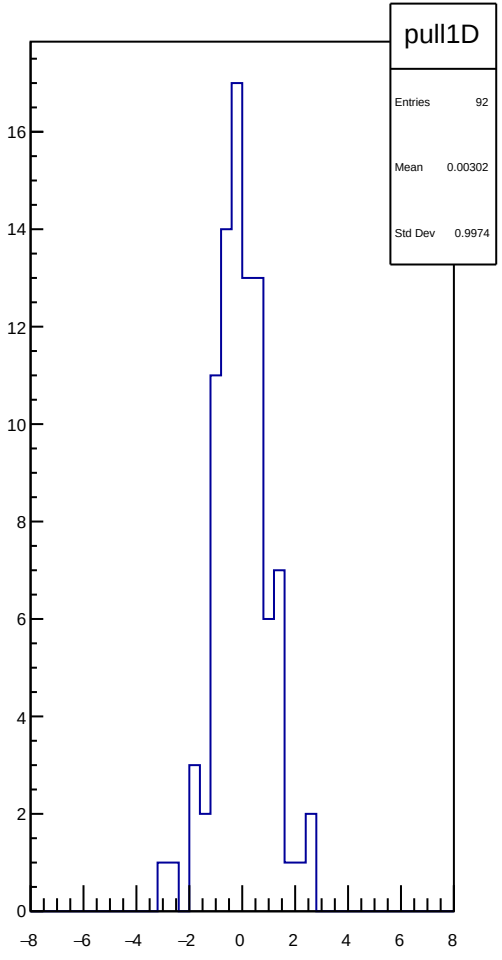

pull1D
Entries 92
Mean 0.00302
Std Dev 0.9974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

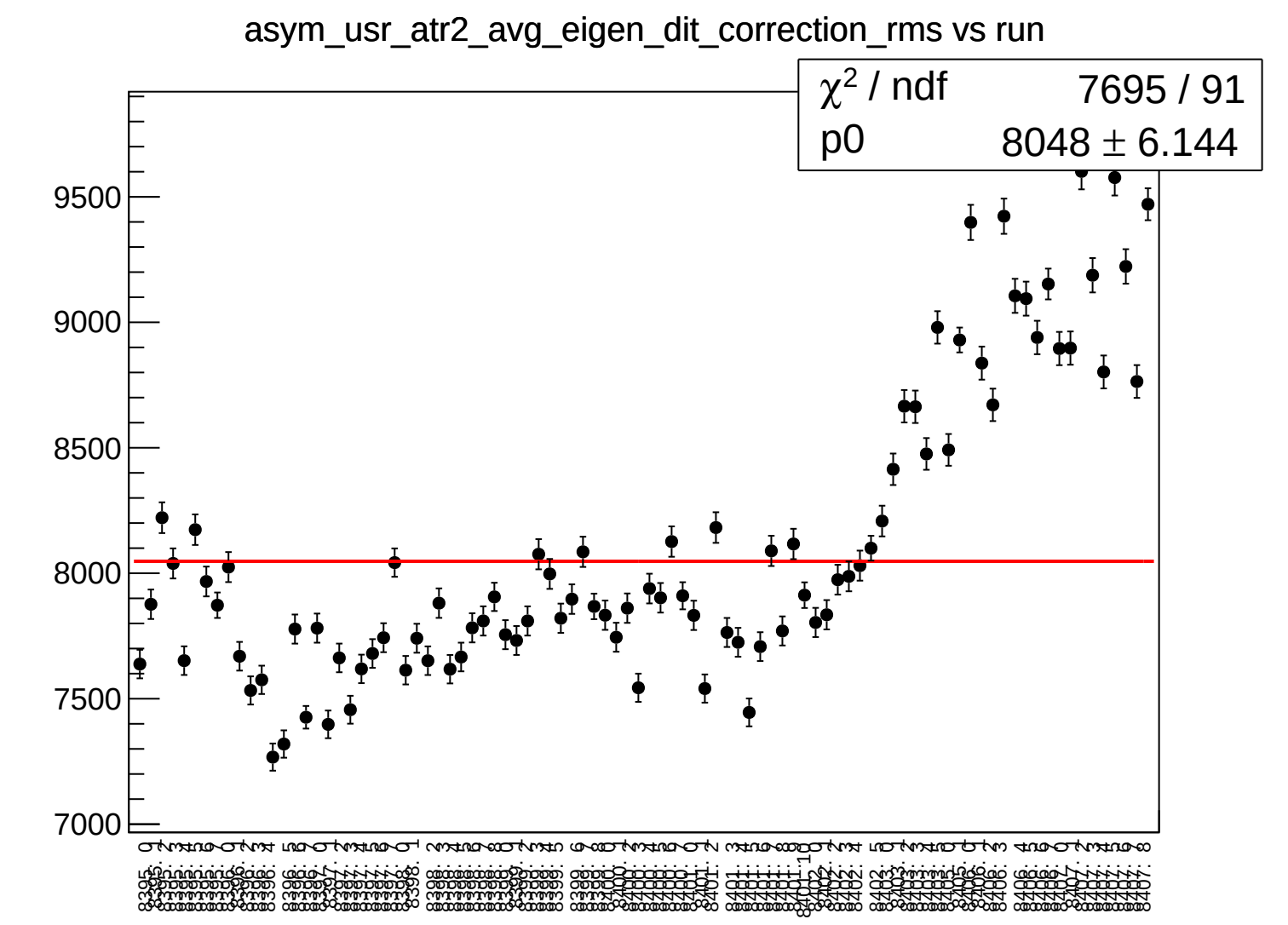

asym_usr_atr2_avg_dit_correction_rms vs run
$\chi^2$ / ndf 7695 / 91
p0 8048 ± 6.144
9500
9000
8500
8000
7500
7000

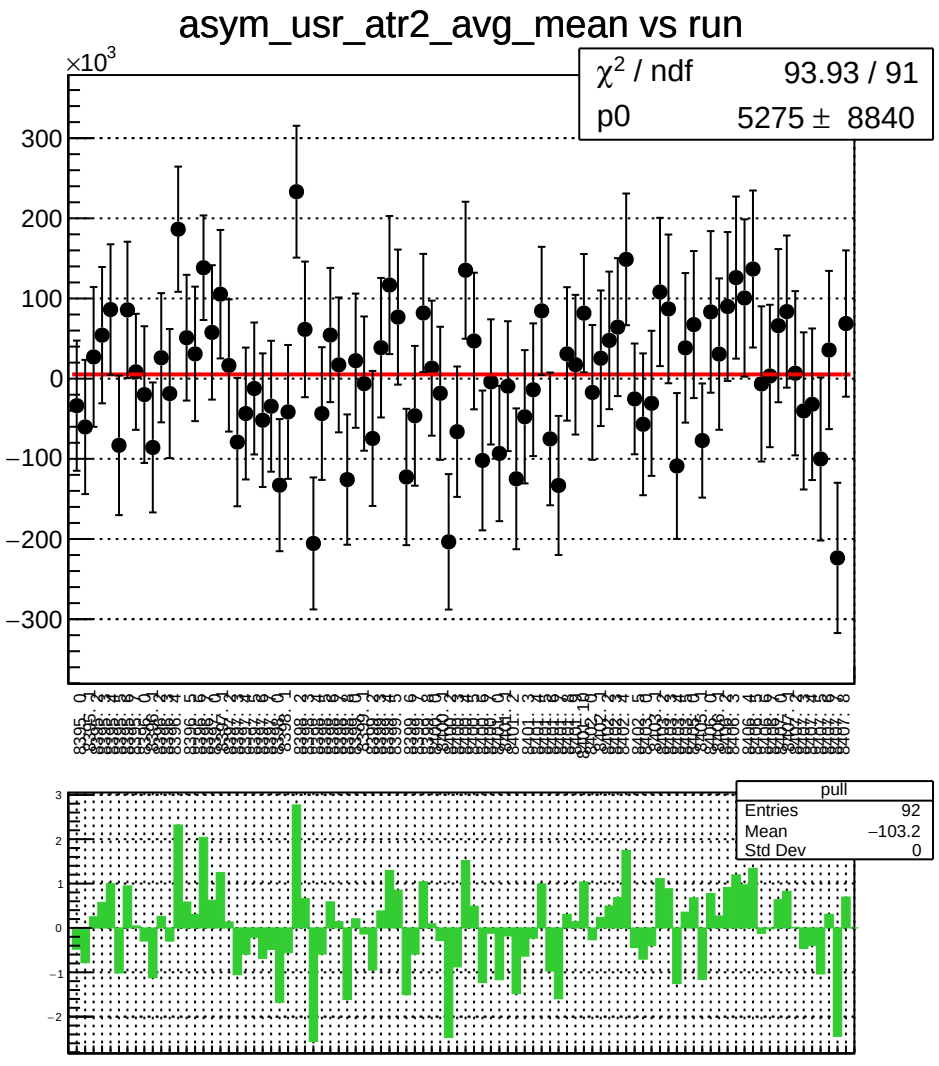

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 101.5 / 91
p0 1094 ± 1795
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 2476
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001857
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

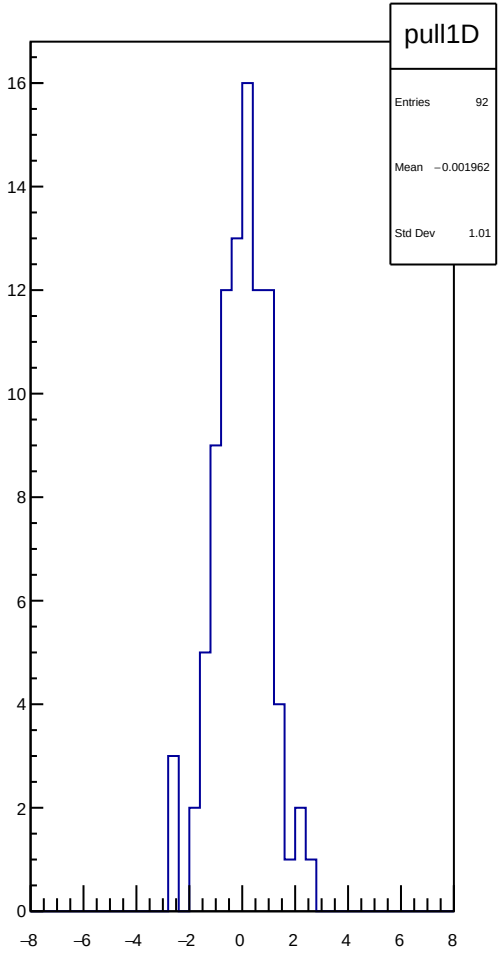

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 99.26 / 91
p0 1666 ± 1.269
1720
1700
1680
1660
1640
1620

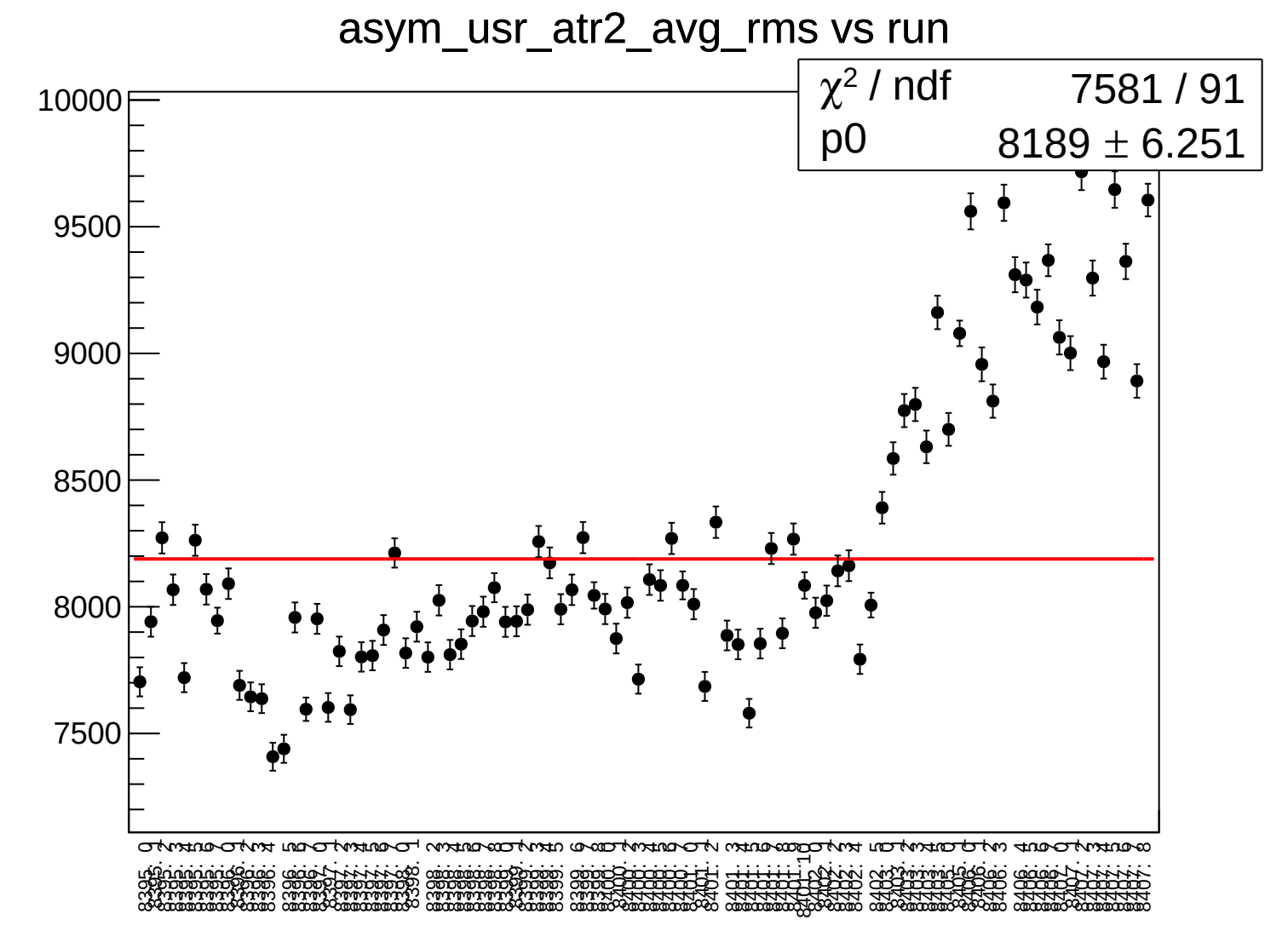

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 91.53 / 91
p0 −4284 ± 8688
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 254.2
Std Dev 0
2
1
0
−1
−2
−3

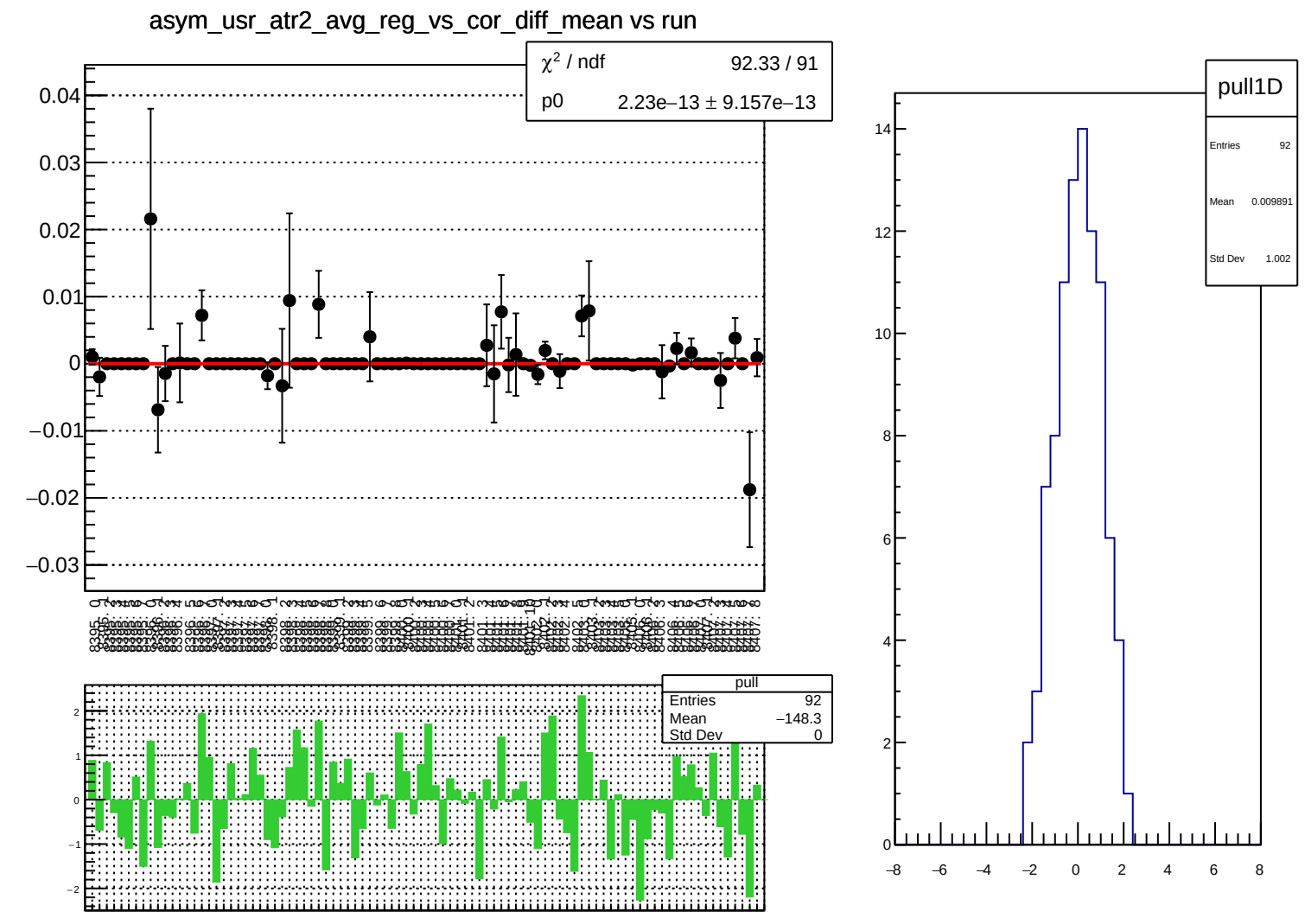

pull1D
Entries 92
Mean 0.00302
Std Dev 0.9974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

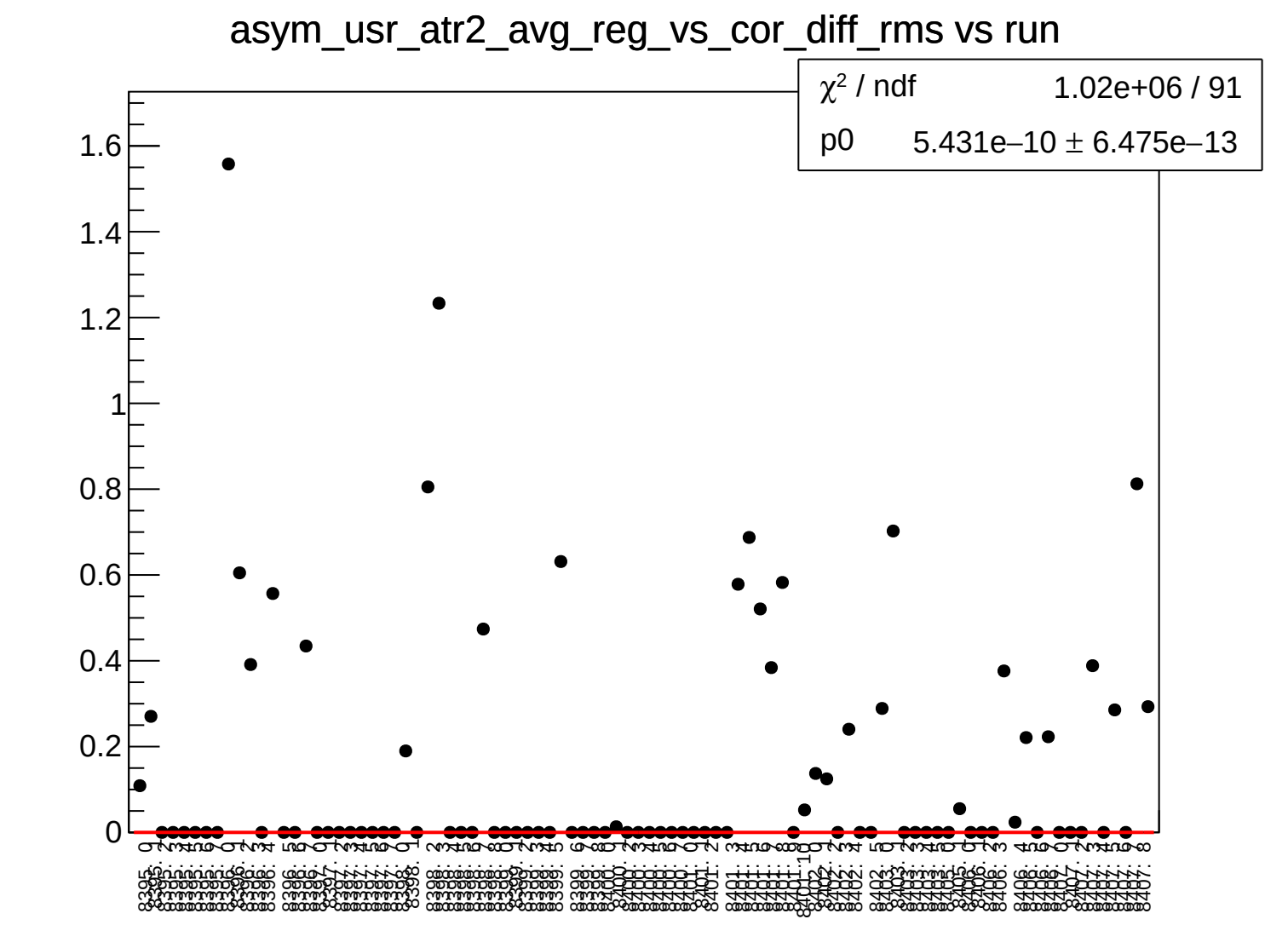

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 7695 / 91
p0 8048 ± 6.144
9500
9000
8500
8000
7500
7000

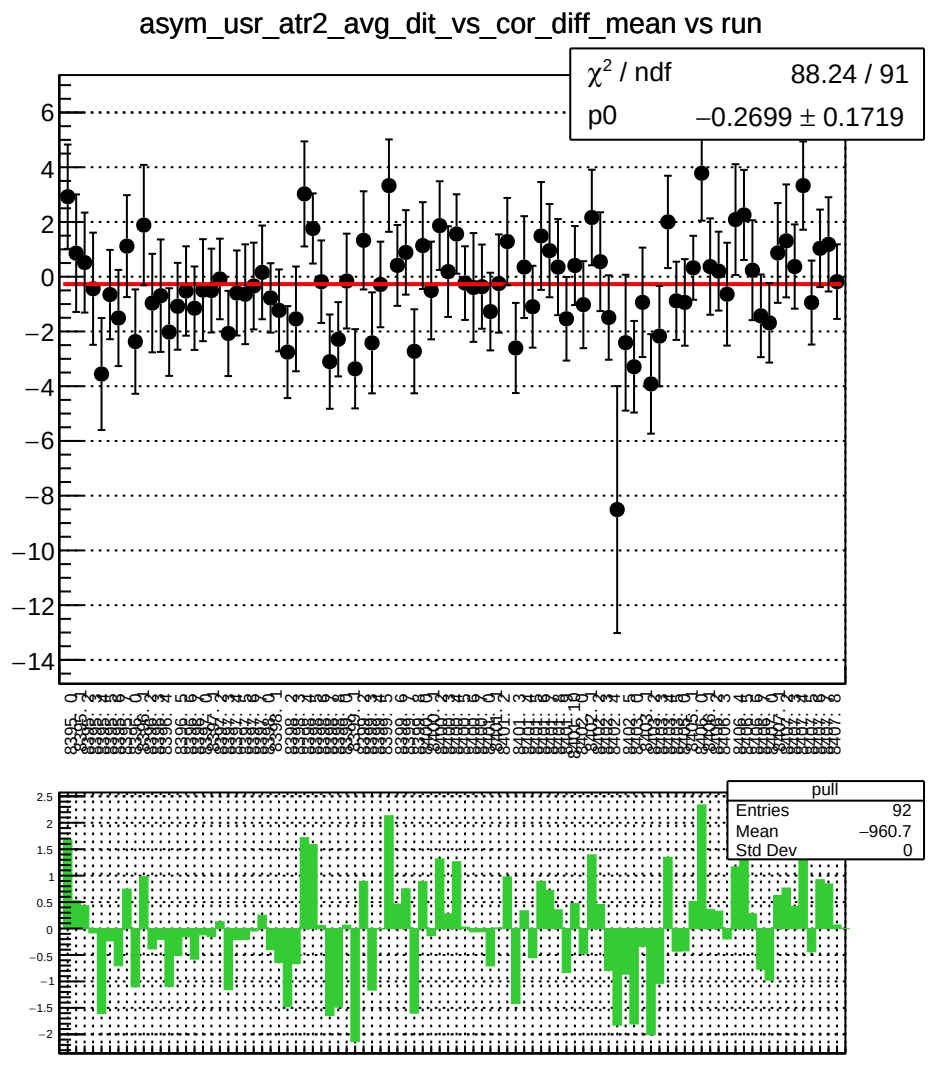

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 93.93 / 91
p0 5275 ± 8840
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean −103.2
Std Dev 0
3
2
1
0
−1
−2

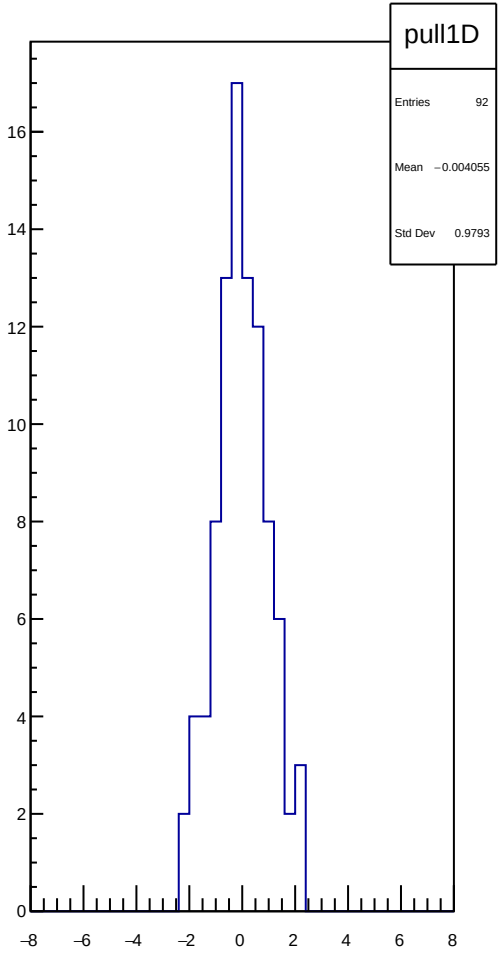

pull1D
Entries 92
Mean −0.001962
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

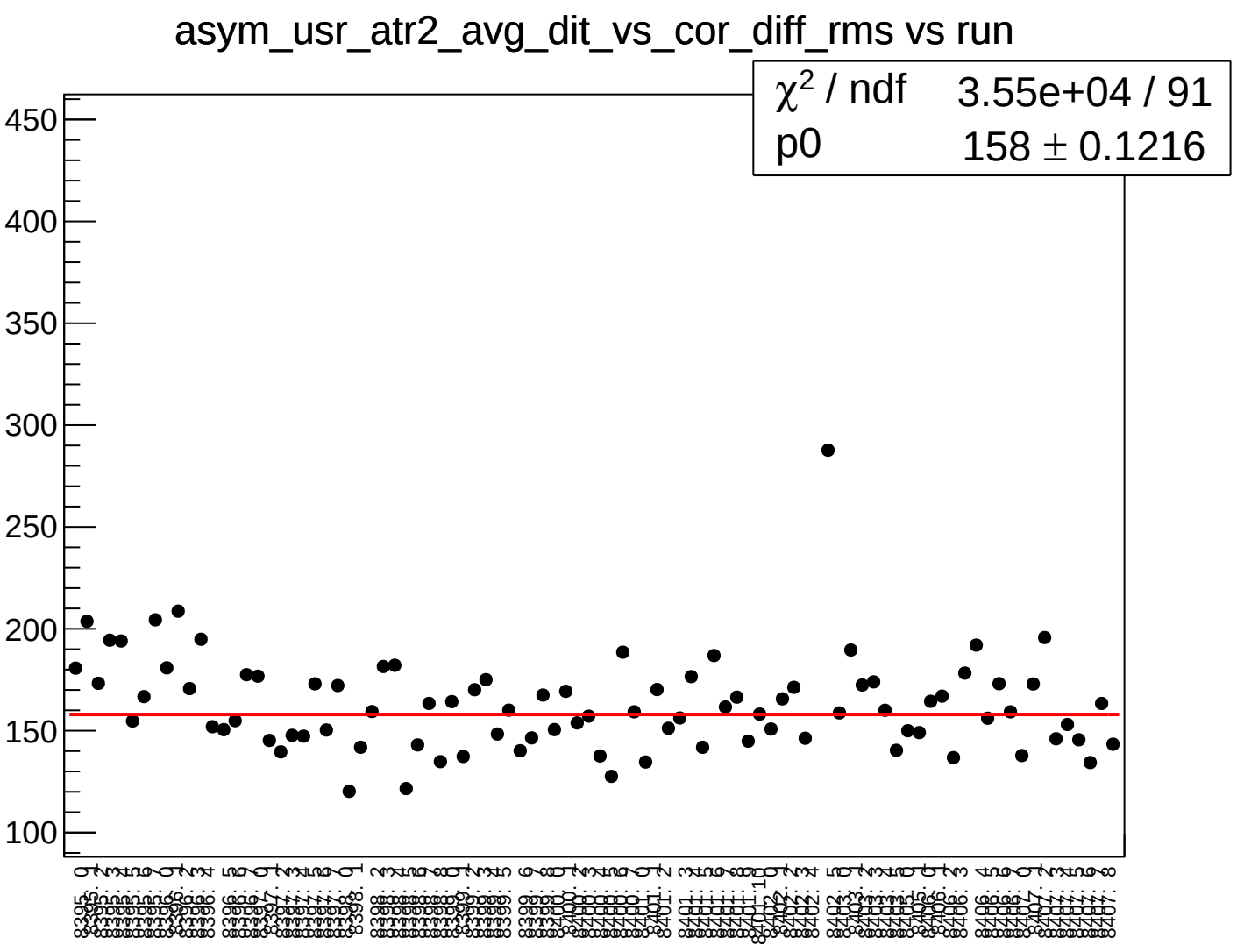

asym_usr_atr2_avg_rms vs run
$\chi^2$ / ndf 7581 / 91
p0 8189 ± 6.251
10000
9500
9000
8500
8000
7500

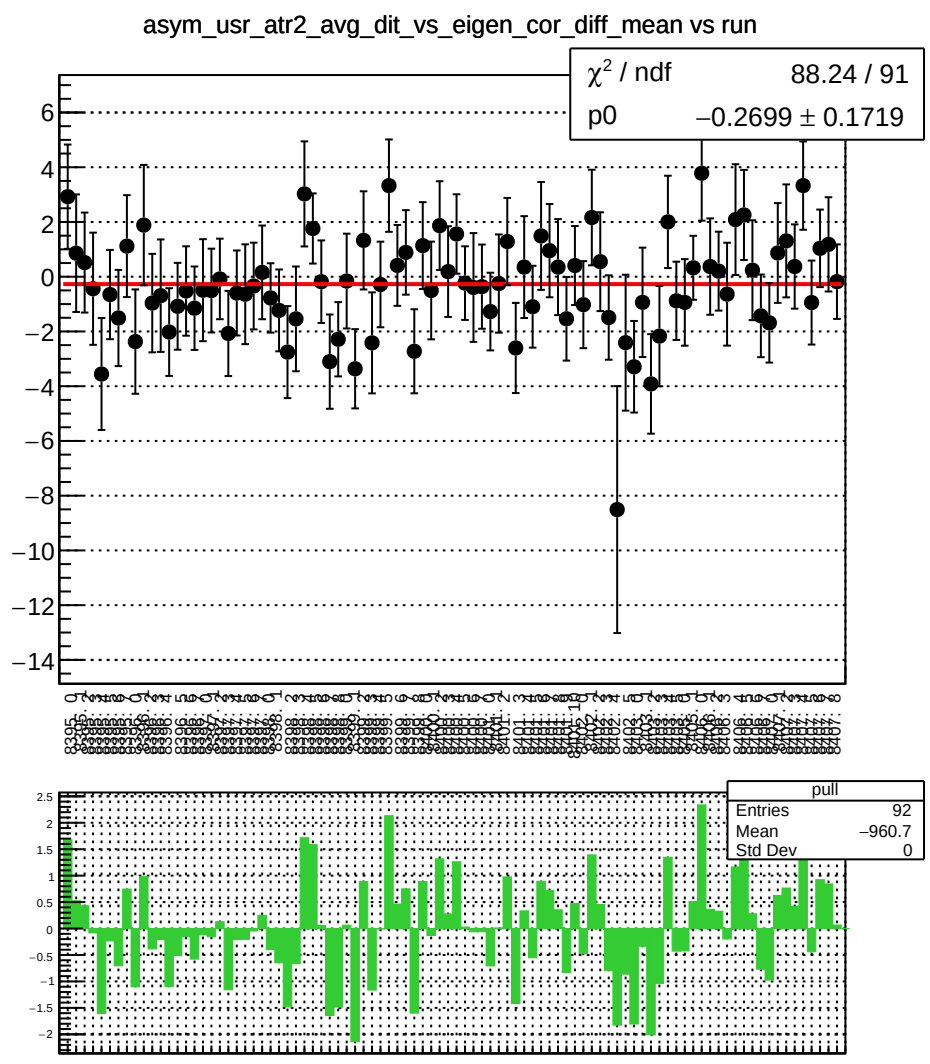

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.33 / 91
p0 2.23e−13 ± 9.157e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean −148.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.009891
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

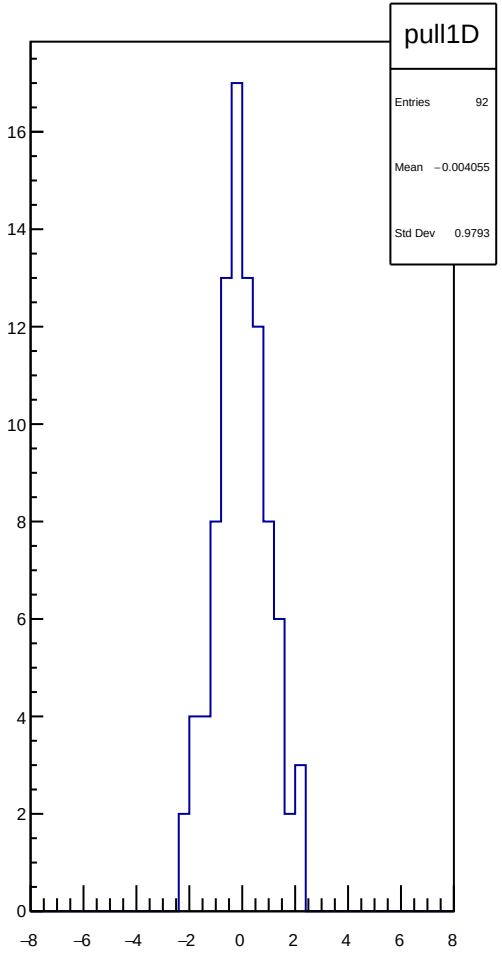

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.02e+06 / 91
p0 5.431e−10 ± 6.475e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

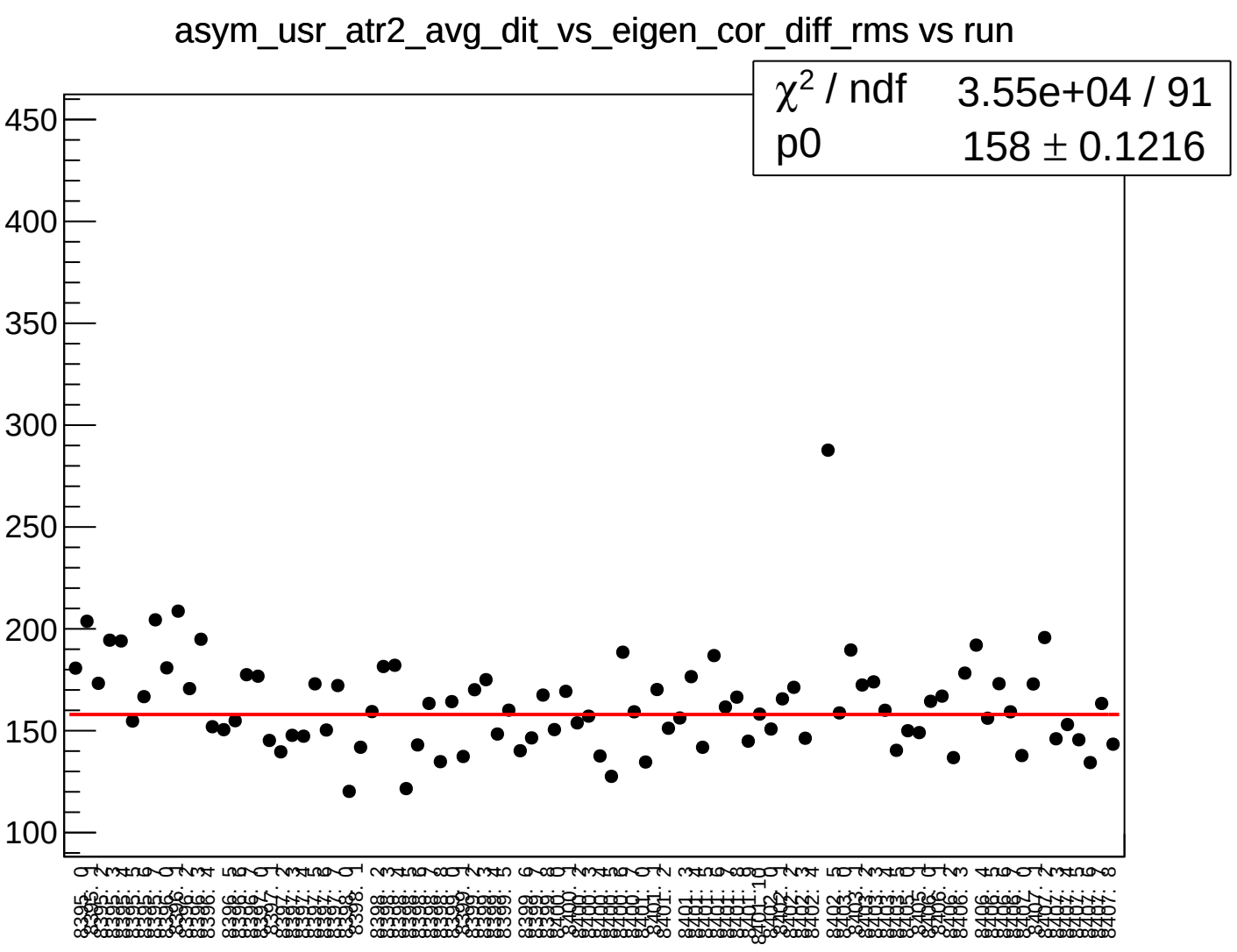

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.24 / 91
p0 −0.2699 ± 0.1719
pull
Entries 92
Mean −960.7
Std Dev 0

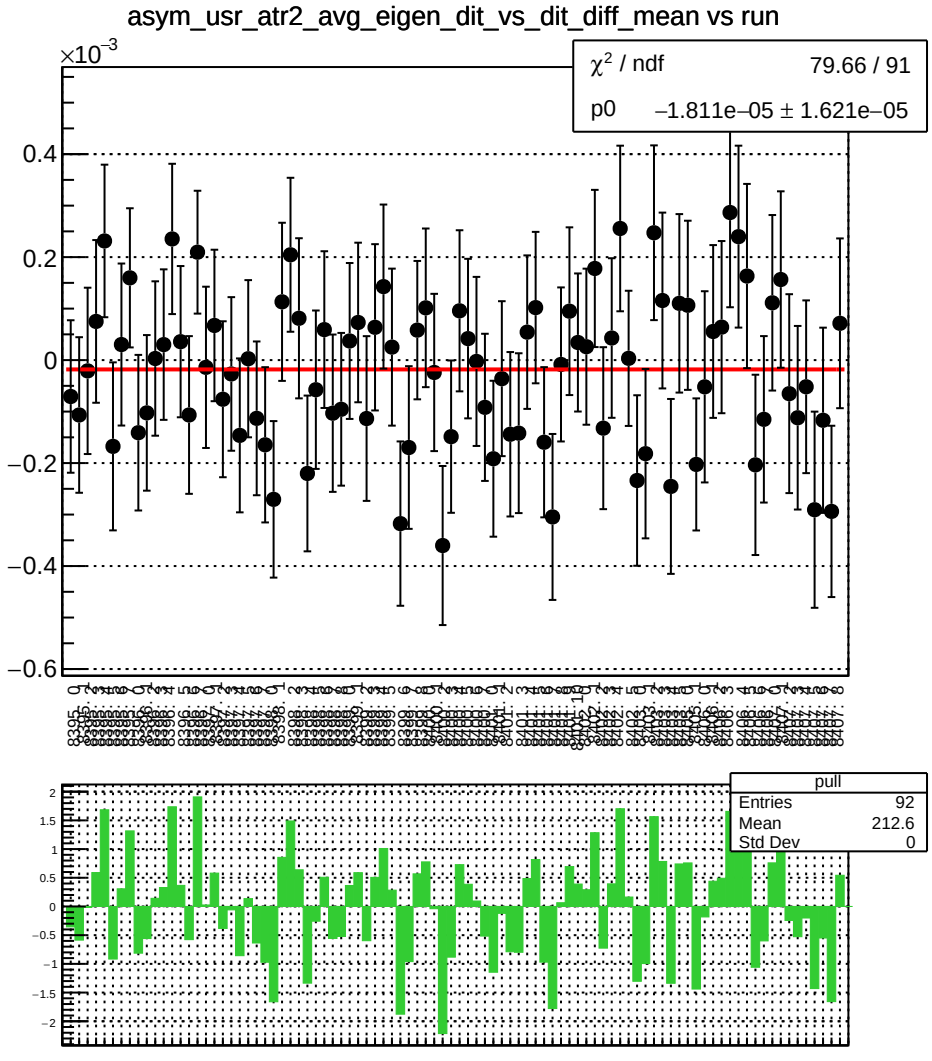

pull1D
Entries 92
Mean −0.004055
Std Dev 0.9793

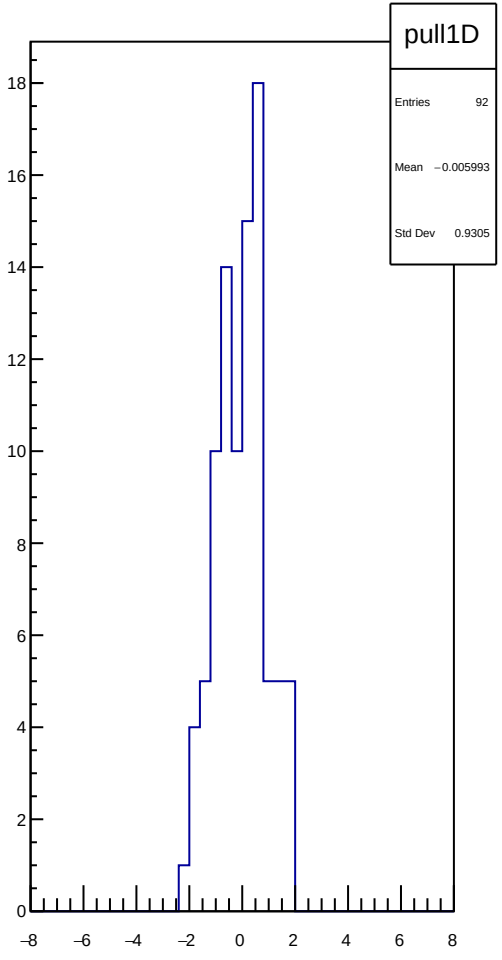

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.55e+04 / 91
p0 158 ± 0.1216
450
400
350
300
250
200
150
100

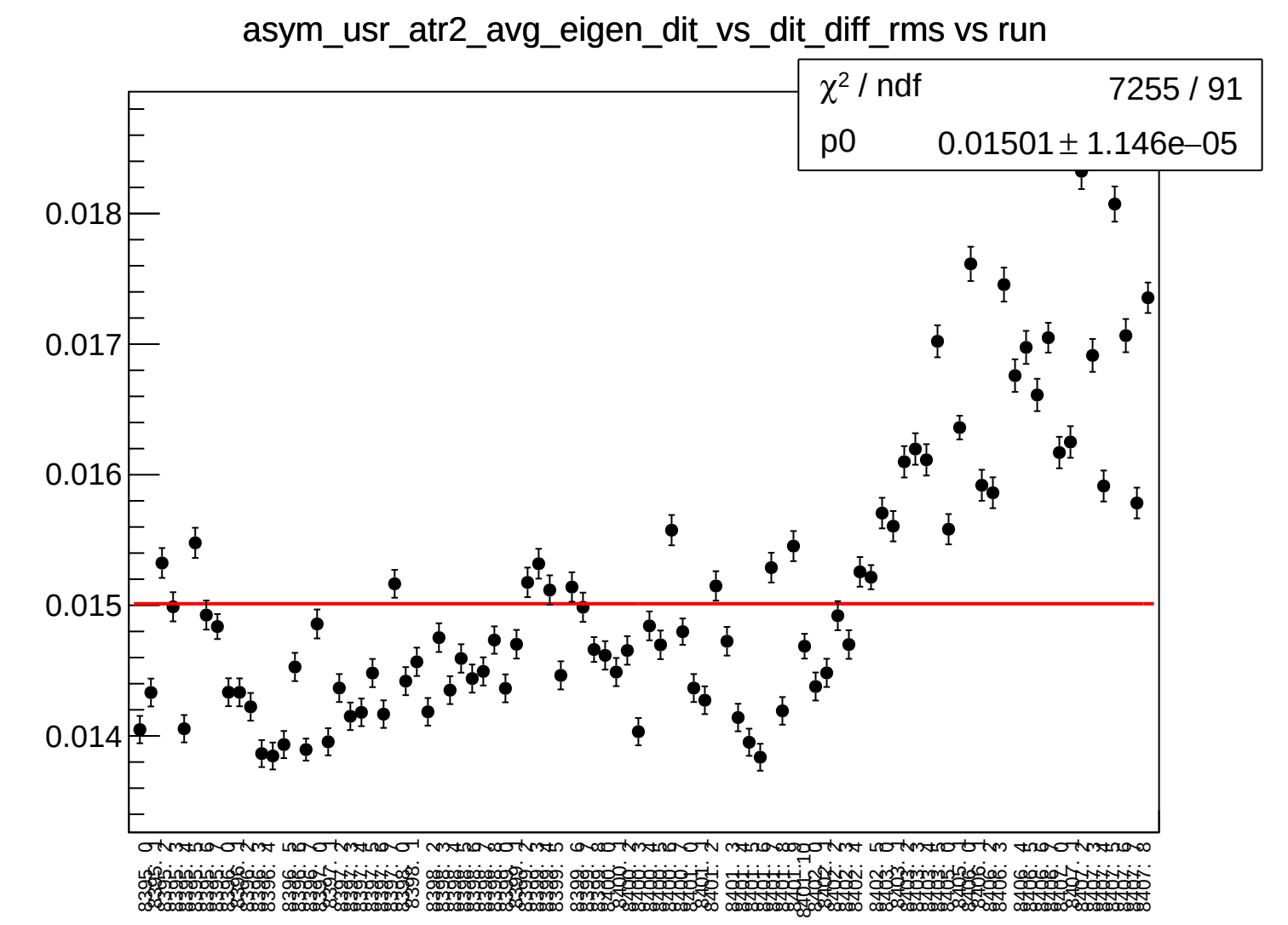

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.24 / 91
p0 −0.2699 ± 0.1719
pull
Entries 92
Mean −960.7
Std Dev 0

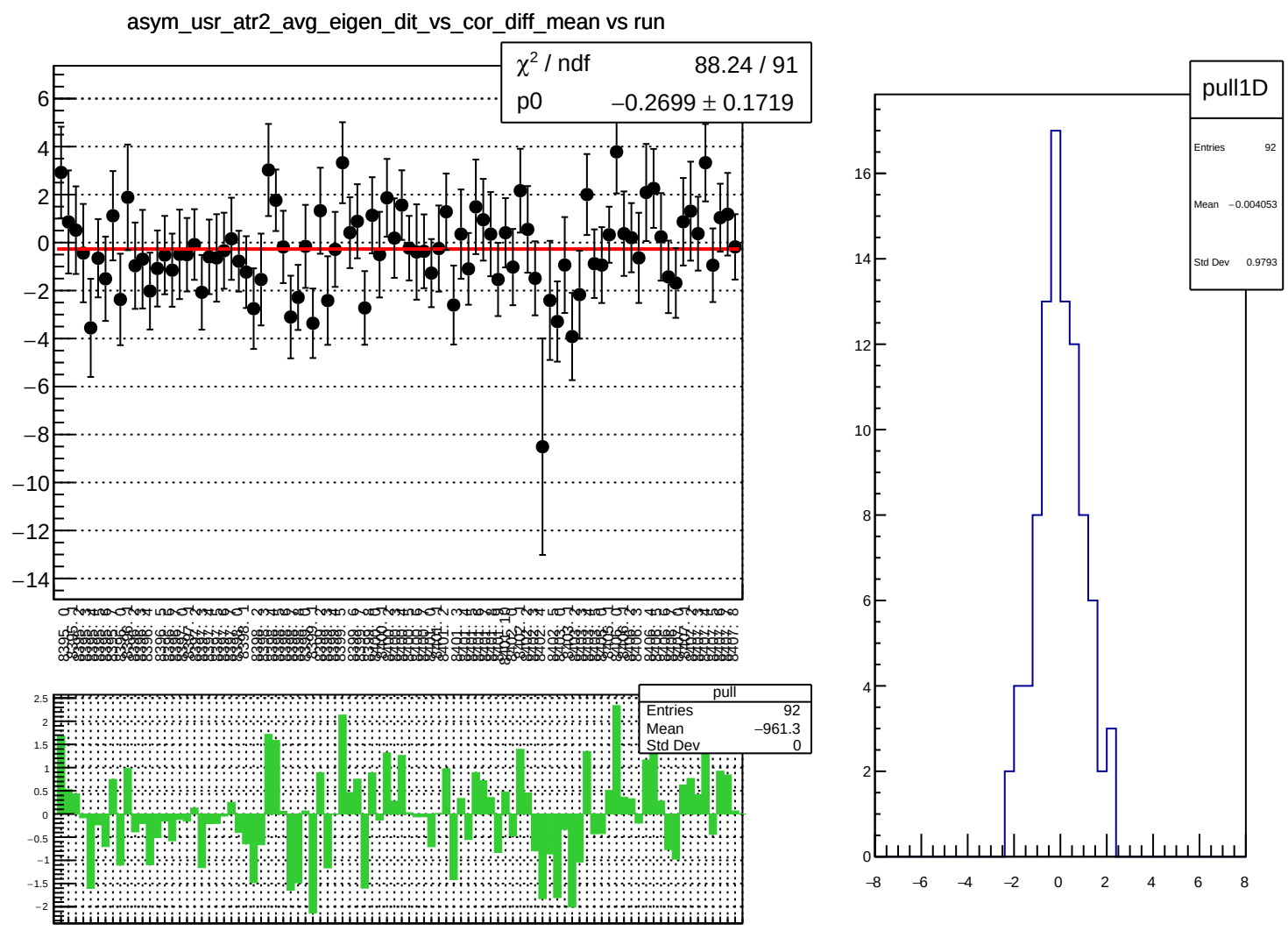

pull1D
Entries 92
Mean −0.004055
Std Dev 0.9793

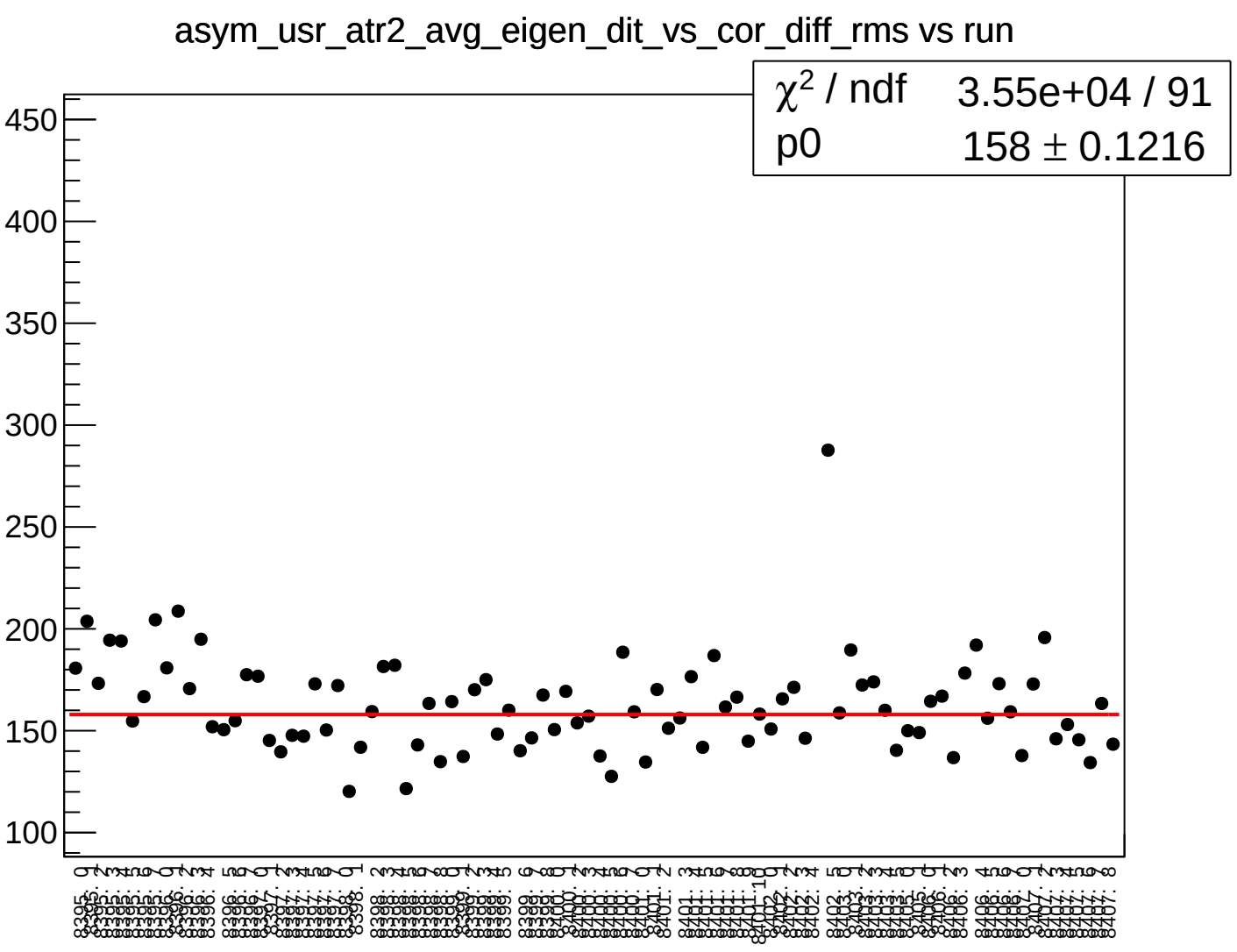

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.55e+04 / 91
p0 158 ± 0.1216
450
400
350
300
250
200
150
100

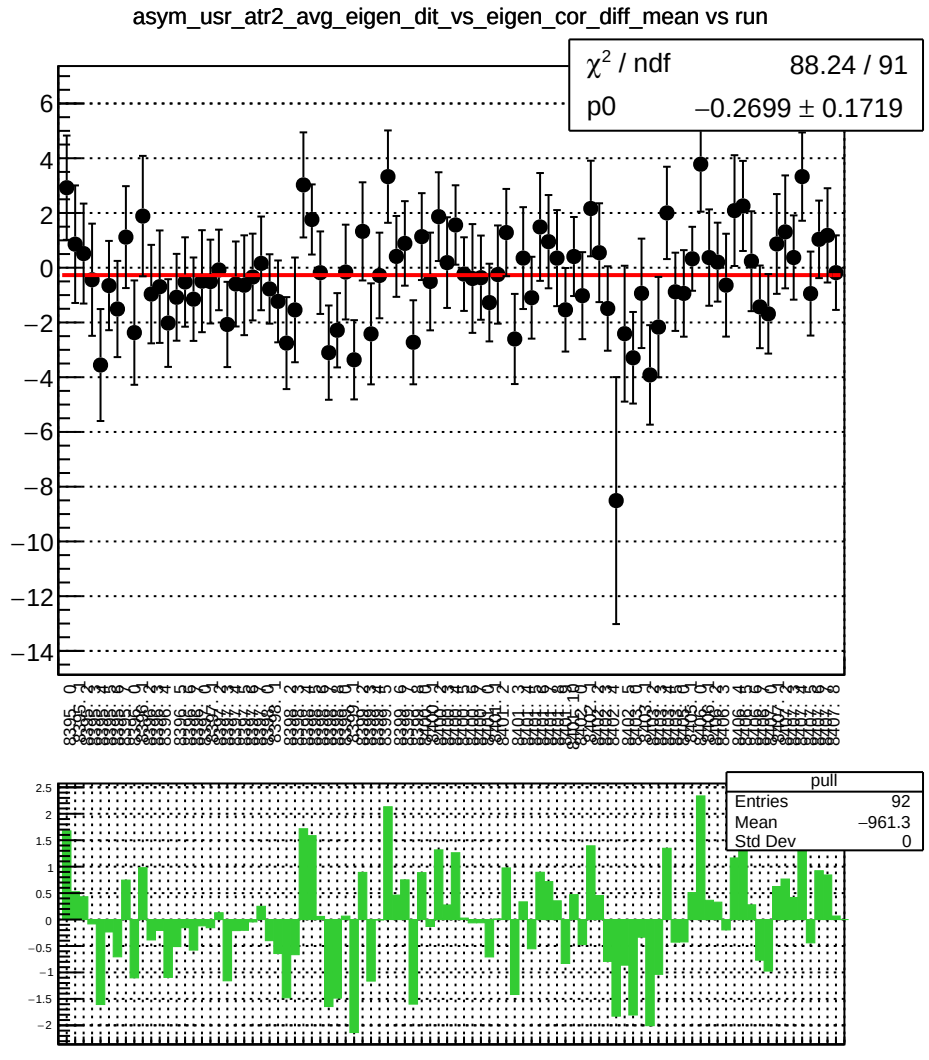

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.66 / 91
p0 −1.811e−05 ± 1.621e−05
pull
Entries 92
Mean 212.6
Std Dev 0

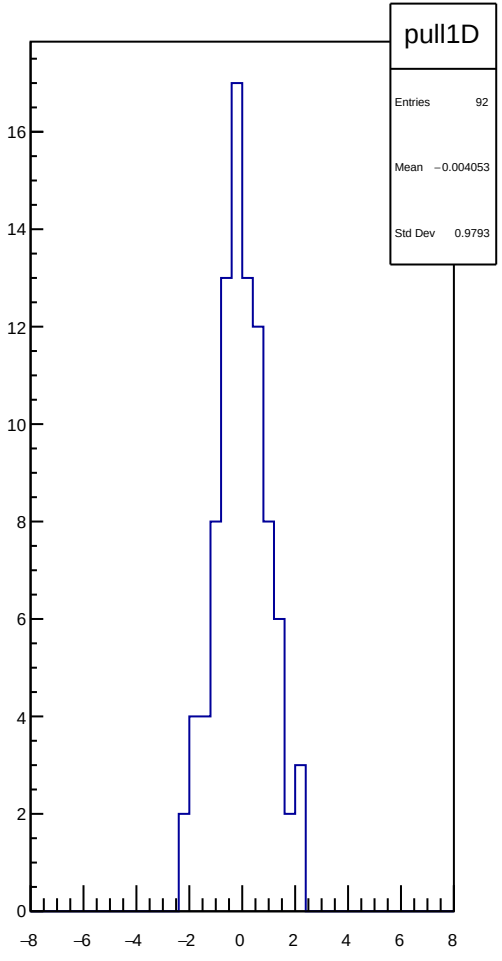

pull1D
Entries 92
Mean −0.005993
Std Dev 0.9305

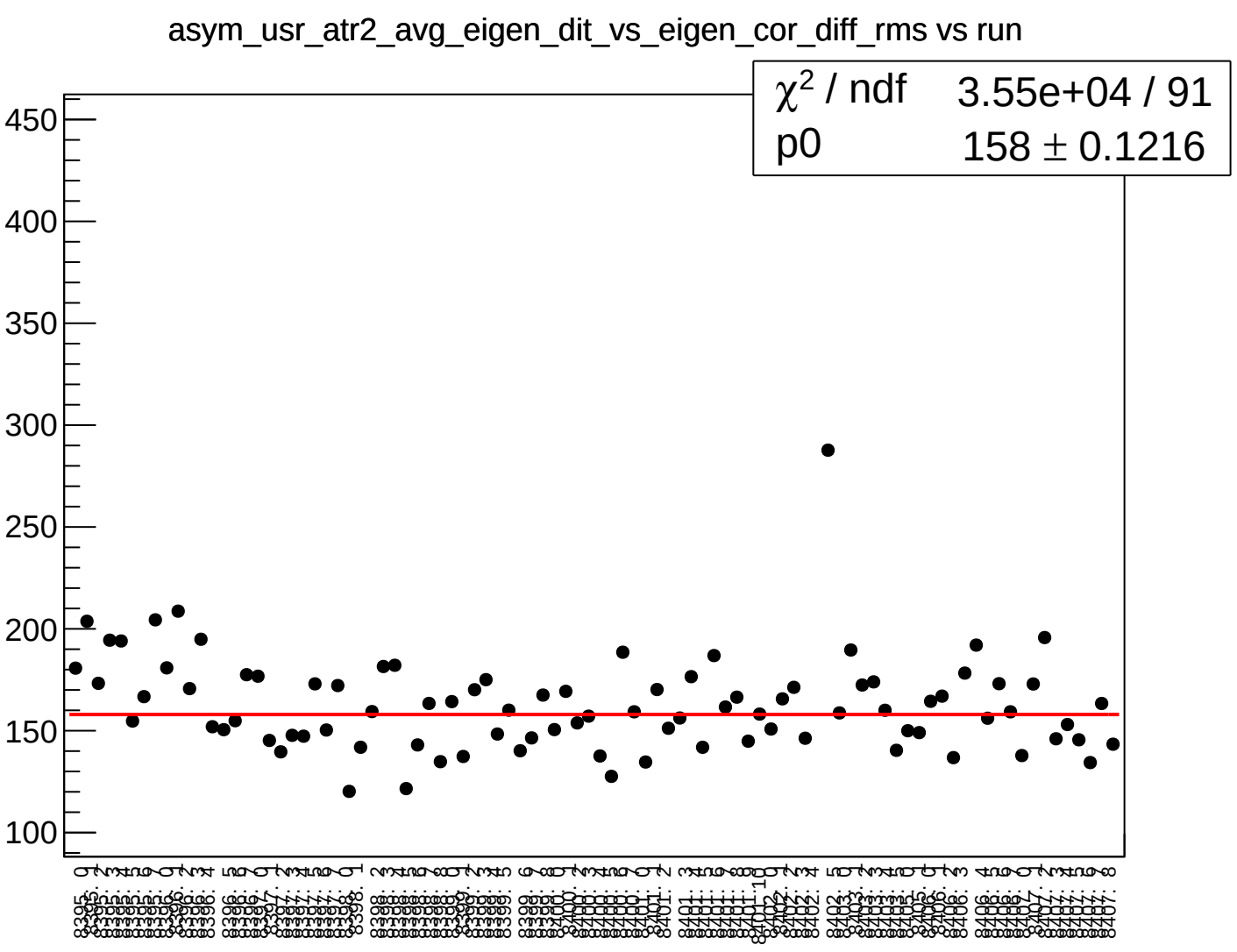

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7255 / 91
p0 0.01501 ± 1.146e−05
0.018
0.017
0.016
0.015
0.014

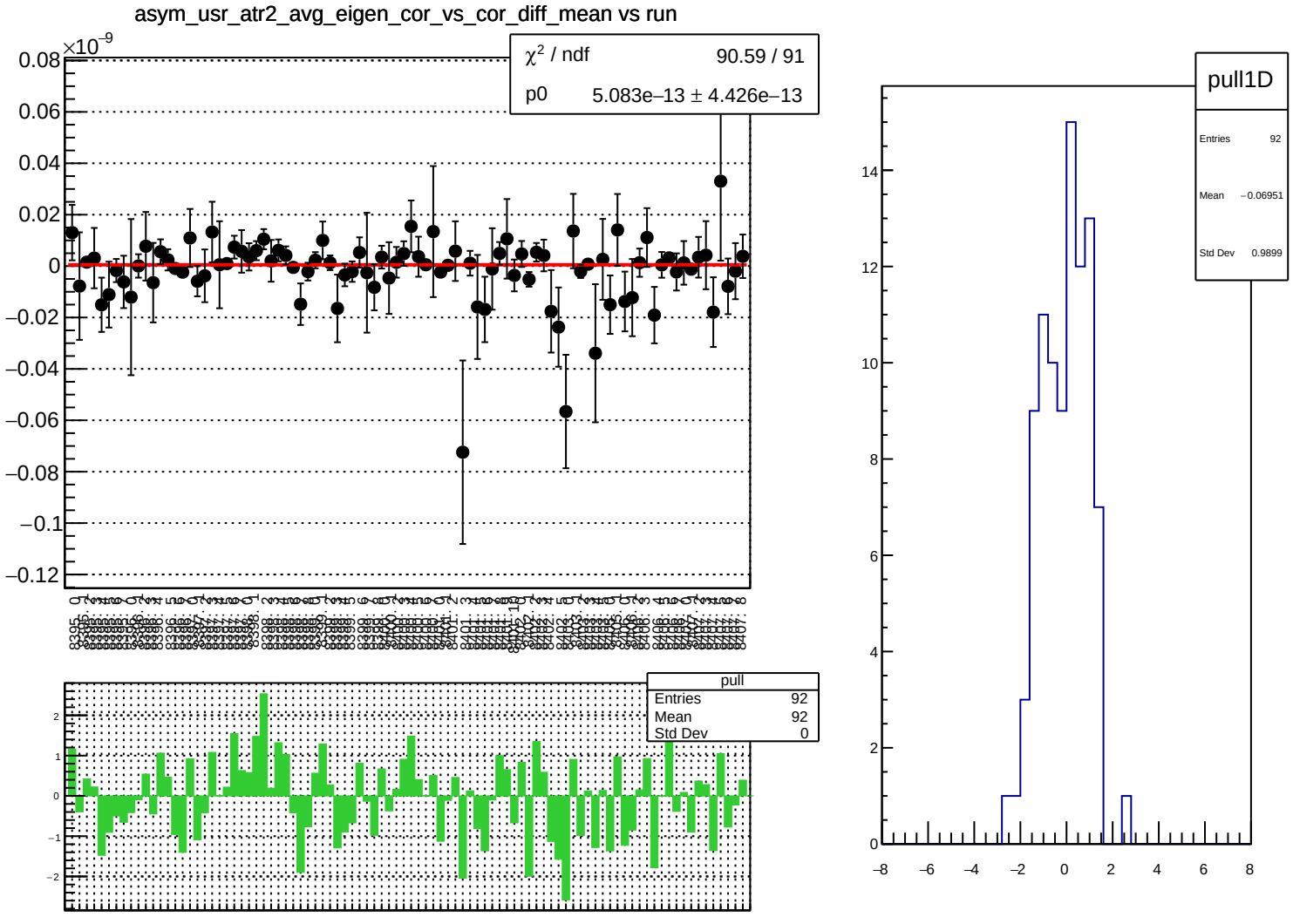

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.24 / 91
p0 −0.2699 ± 0.1719
pull
Entries 92
Mean −961.3
Std Dev 0
pull1D
Entries 92
Mean −0.004053
Std Dev 0.9793

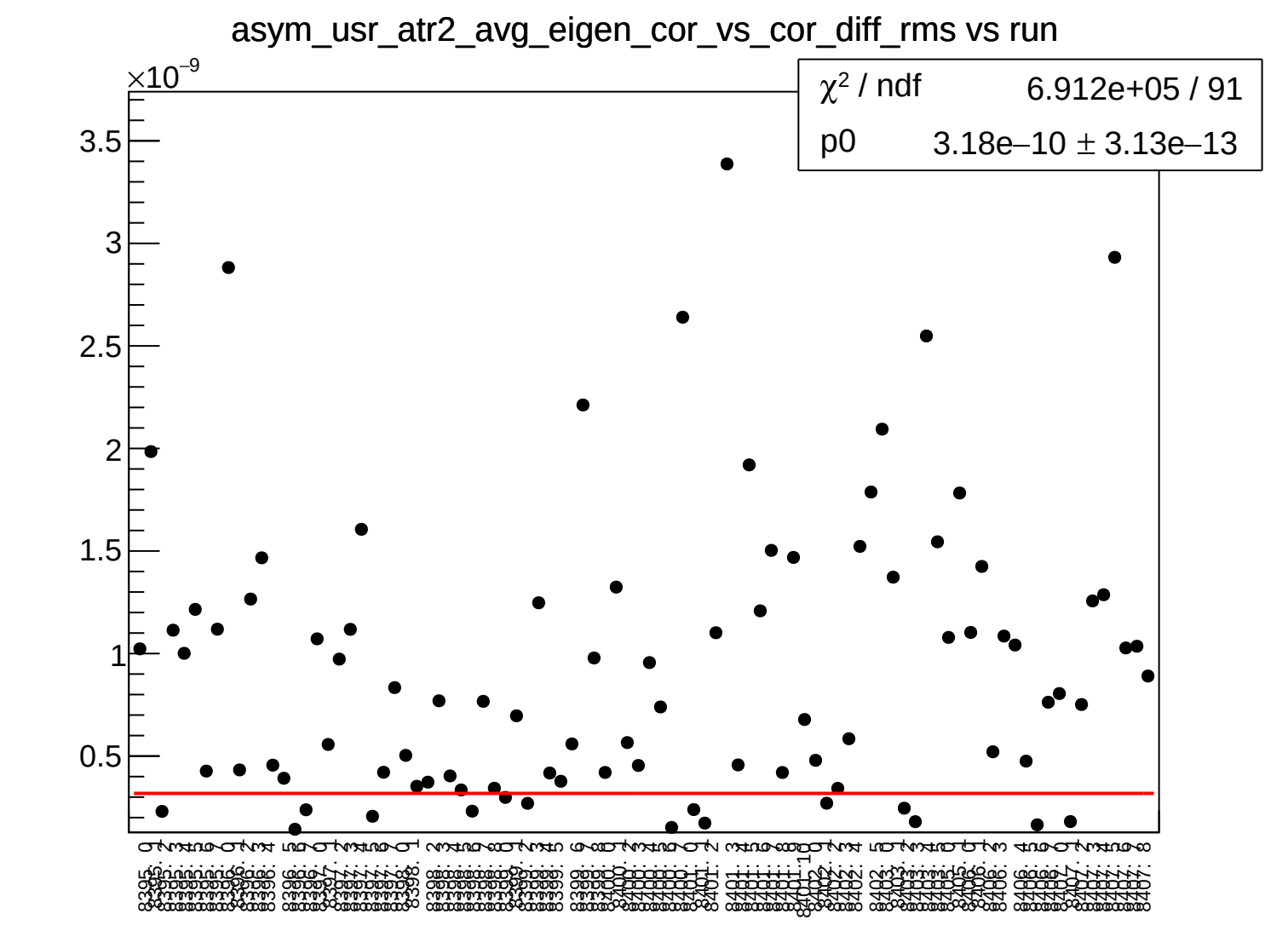

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.55e+04 / 91
p0 158 ± 0.1216
450
400
350
300
250
200
150
100

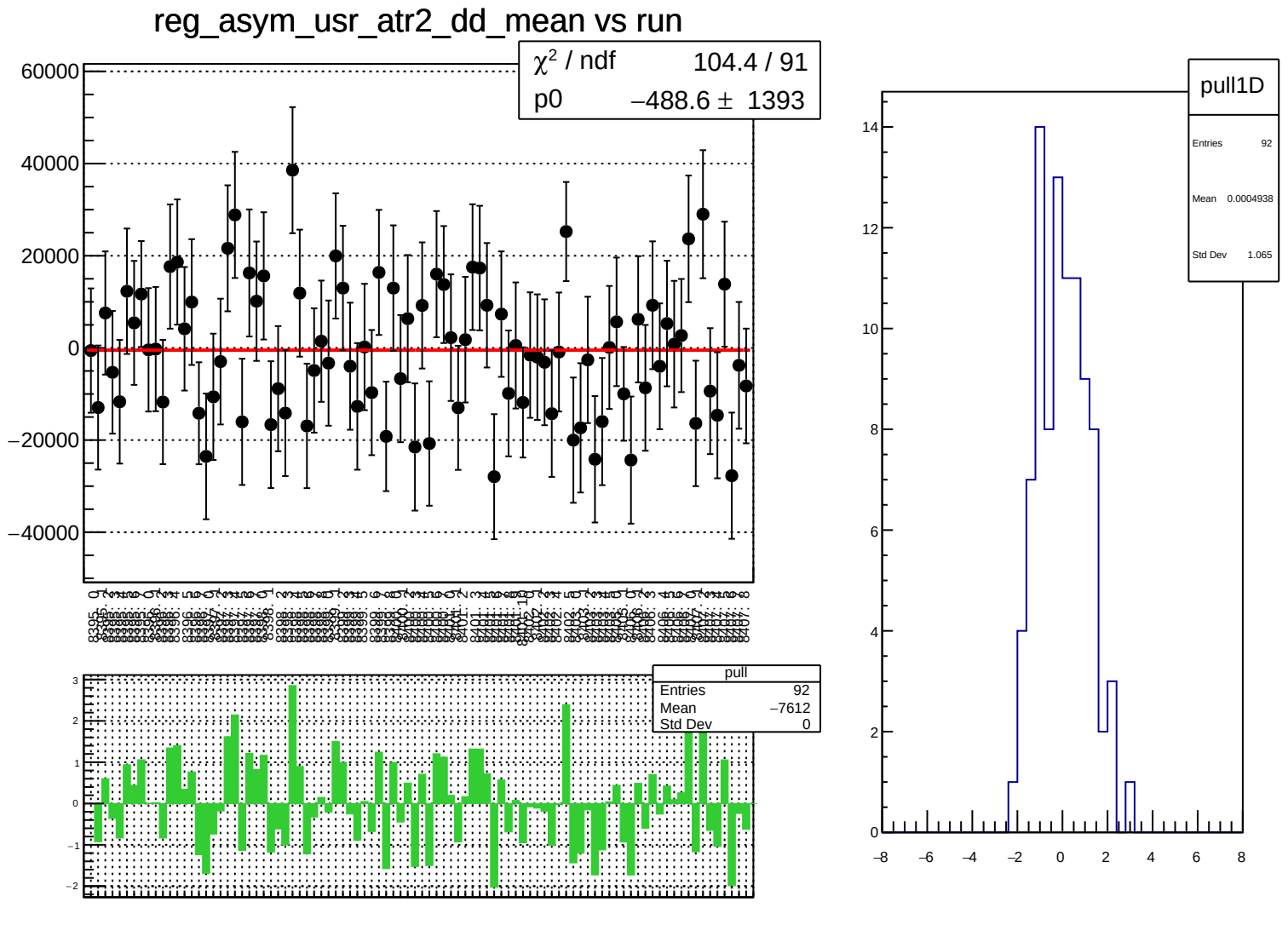

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.24 / 91
p0 −0.2699 ± 0.1719
pull
Entries 92
Mean −961.3
Std Dev 0

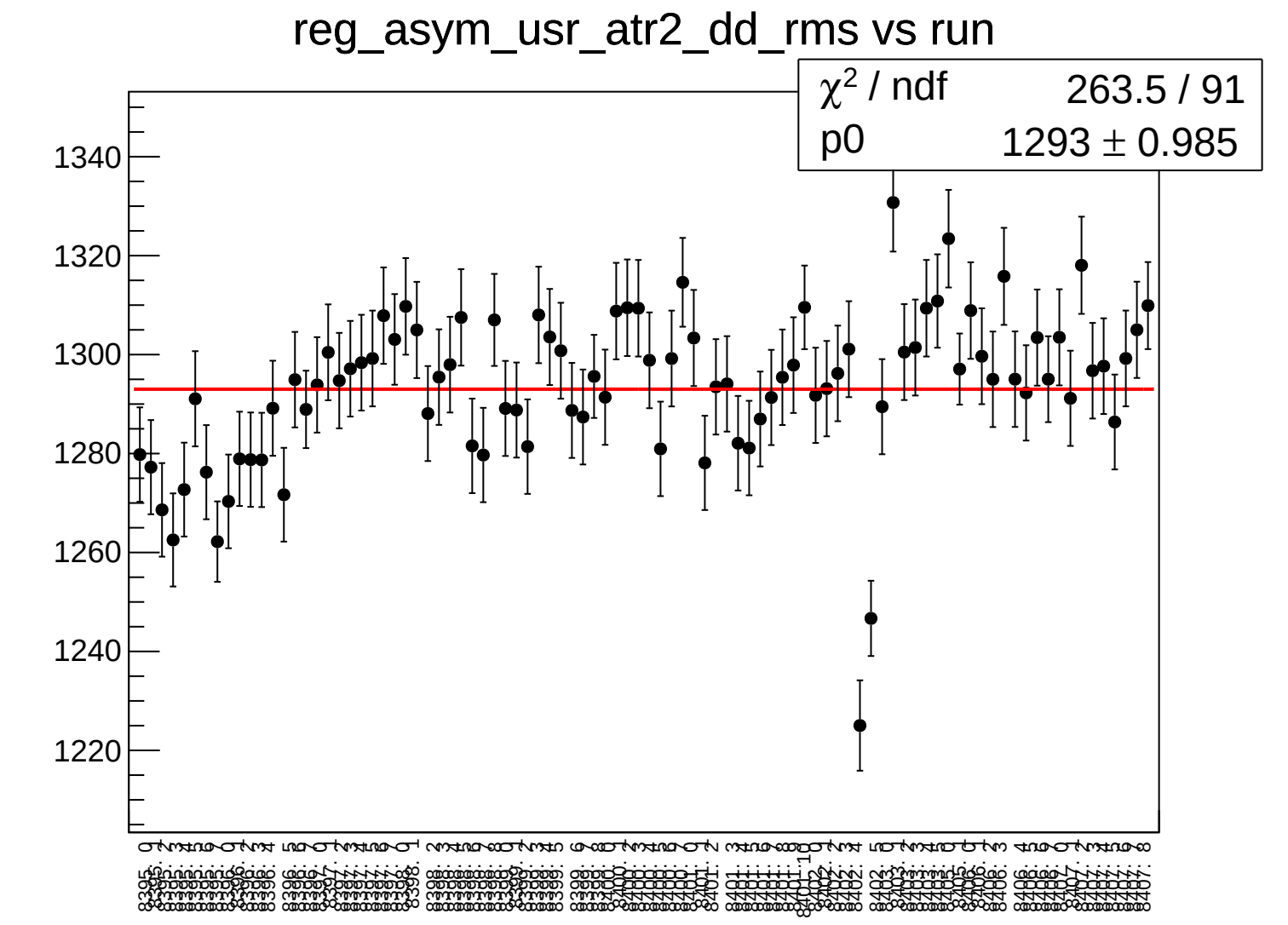

pull1D
Entries 92
Mean −0.004053
Std Dev 0.9793

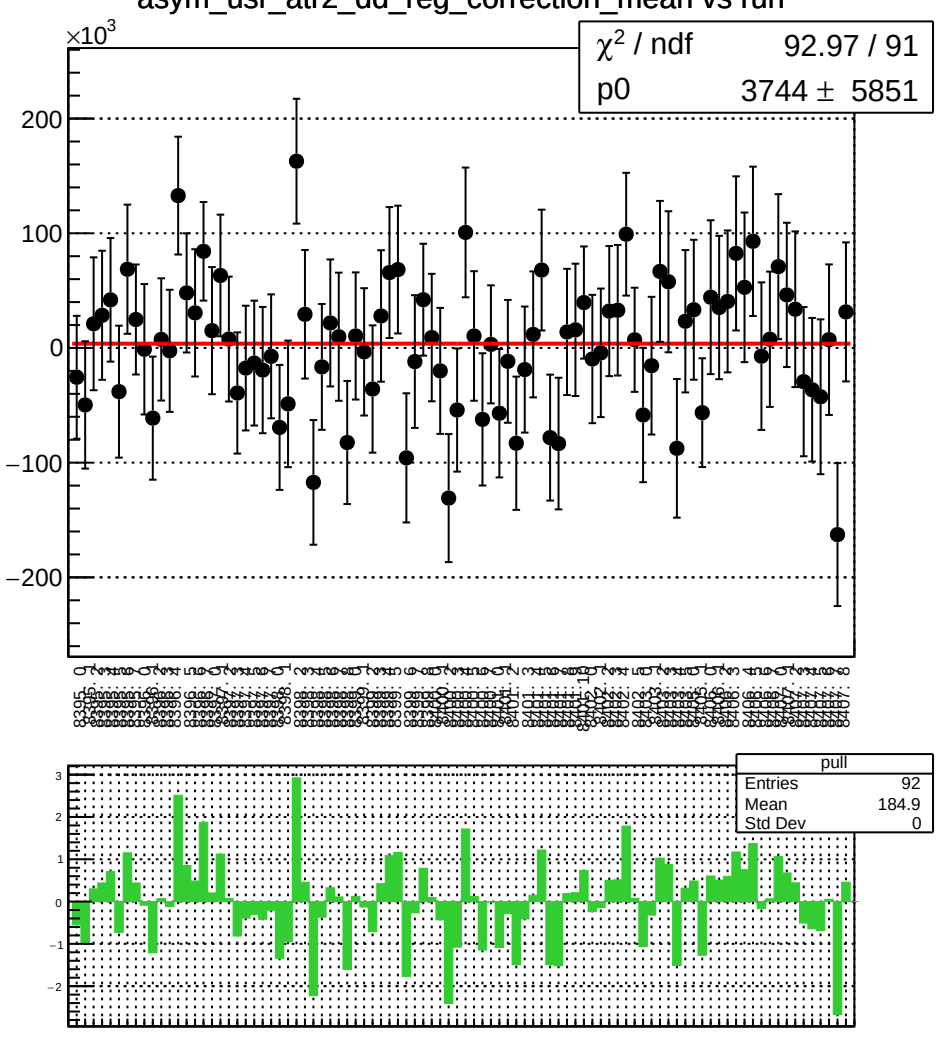

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.55e+04 / 91
p0 158 ± 0.1216
450
400
350
300
250
200
150
100

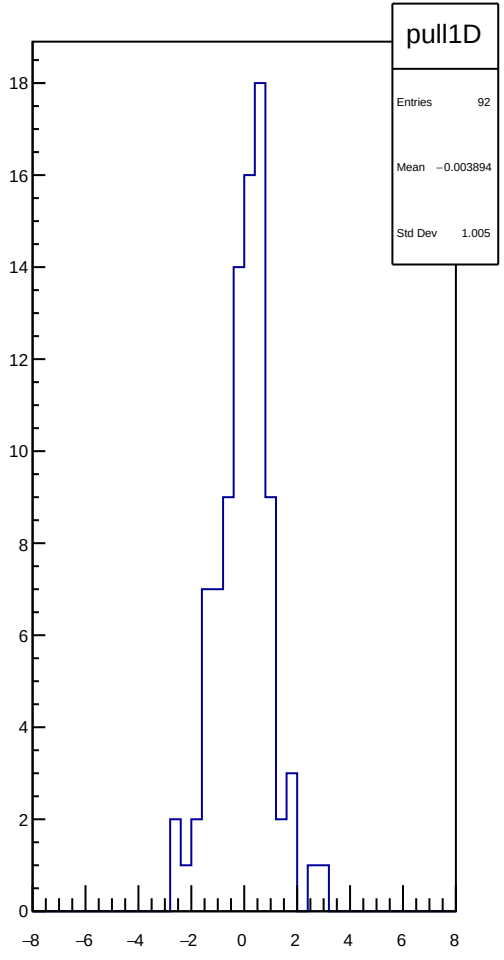

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 90.59 / 91
p0 5.083e−13 ± 4.426e−13
pull
Entries 92
Mean 92
Std Dev 0
pull1D
Entries 92
Mean −0.06951
Std Dev 0.9899

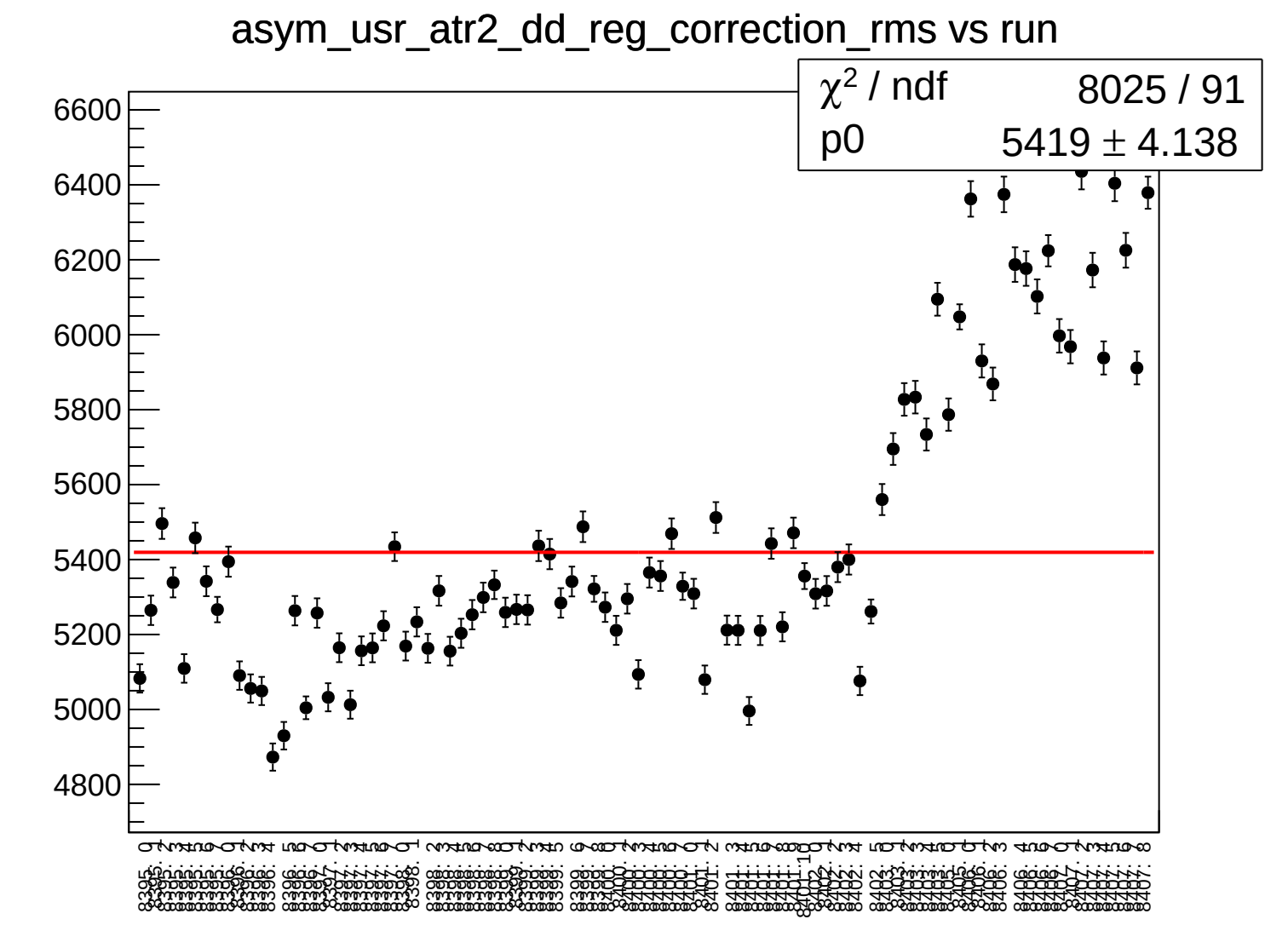

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.912e+05 / 91
p0 3.18e−10 ± 3.13e−13
3.5
3
2.5
2
1.5
1
0.5

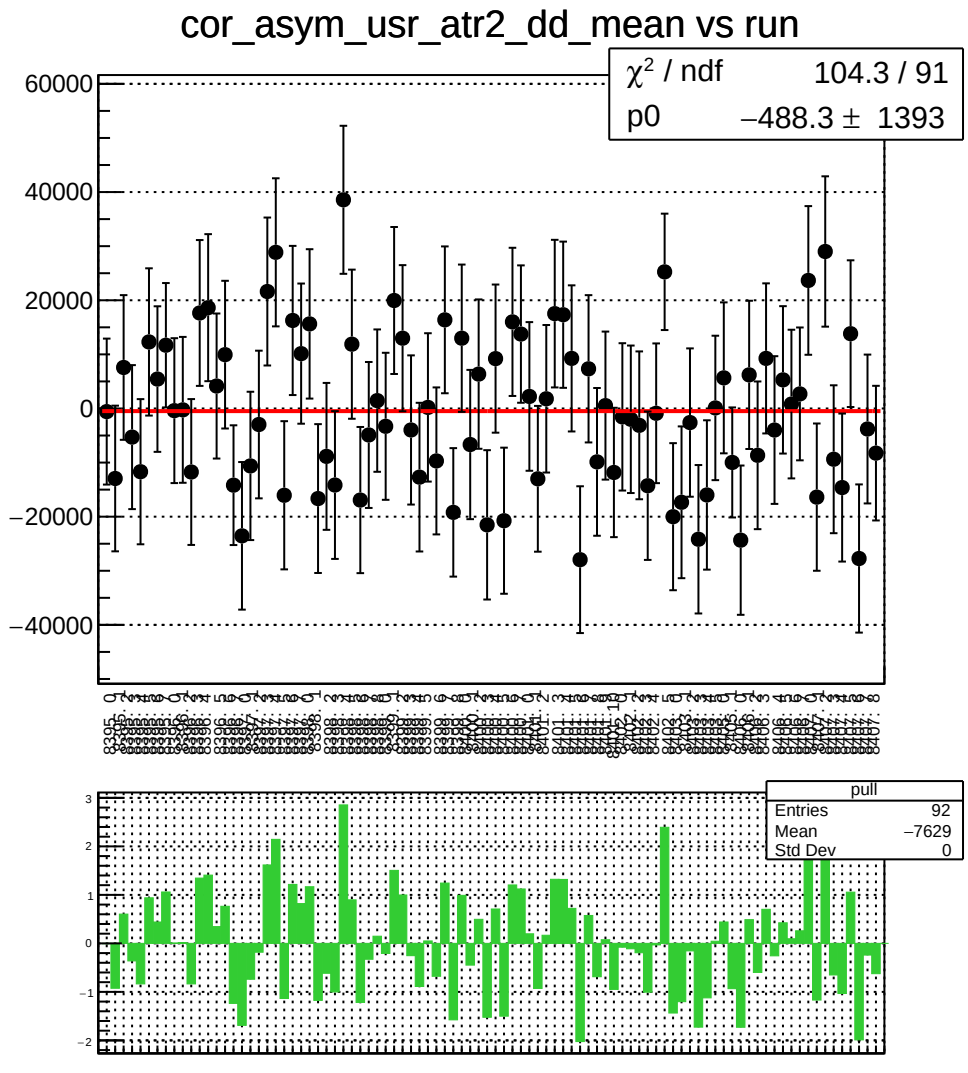

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 104.4 / 91
p0 −488.6 ± 1393
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −7612
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.0004938
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

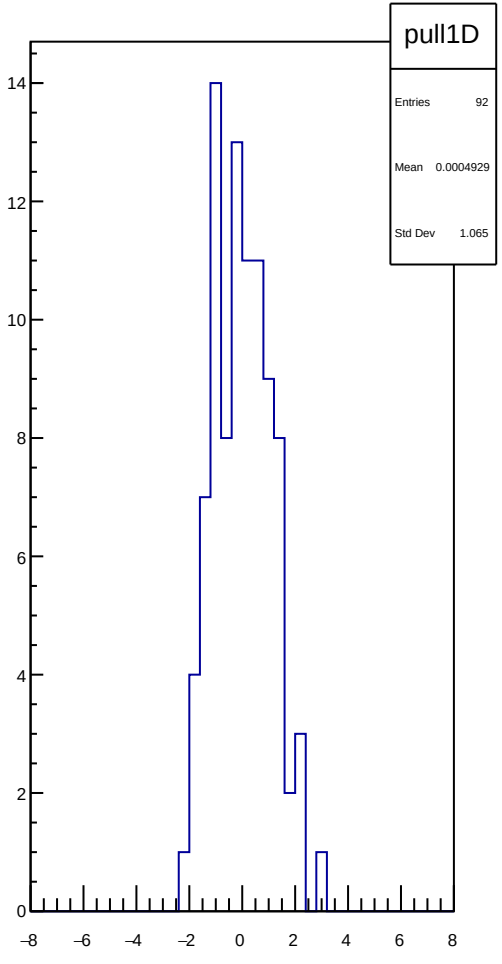

reg_asym_usr_atr2_dd_rms vs run
$\chi^2$ / ndf 263.5 / 91
p0 1293 ± 0.985
1340
1320
1300
1280
1260
1240
1220

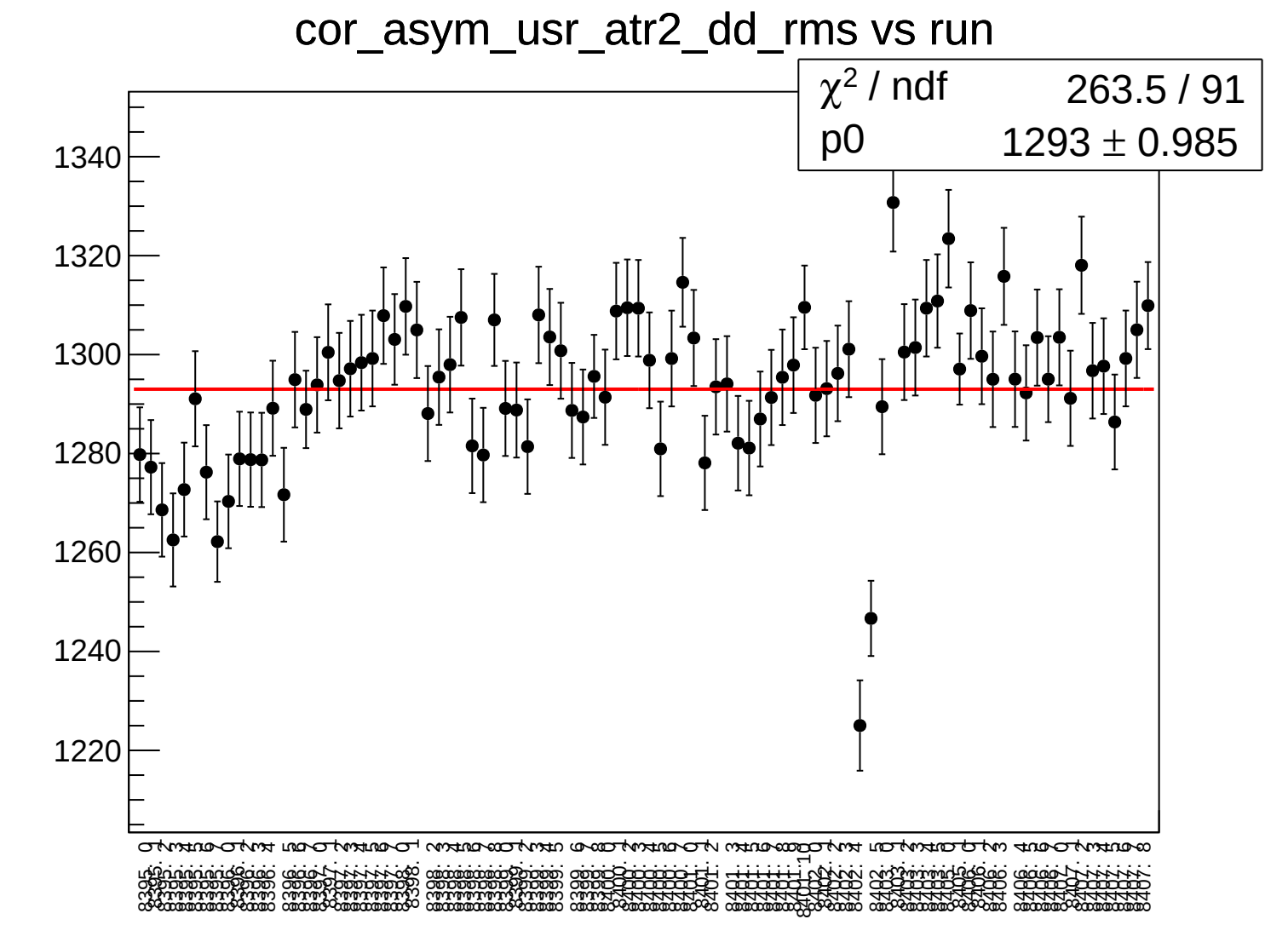

asym_usr_atr2_dd_reg_correction_mean vs run
χ² / ndf 92.97 / 91
p0 3744 ± 5851
×10³
200
100
0
−100
−200
pull
Entries 92
Mean 184.9
Std Dev 0
3
2
1
0
−1
−2

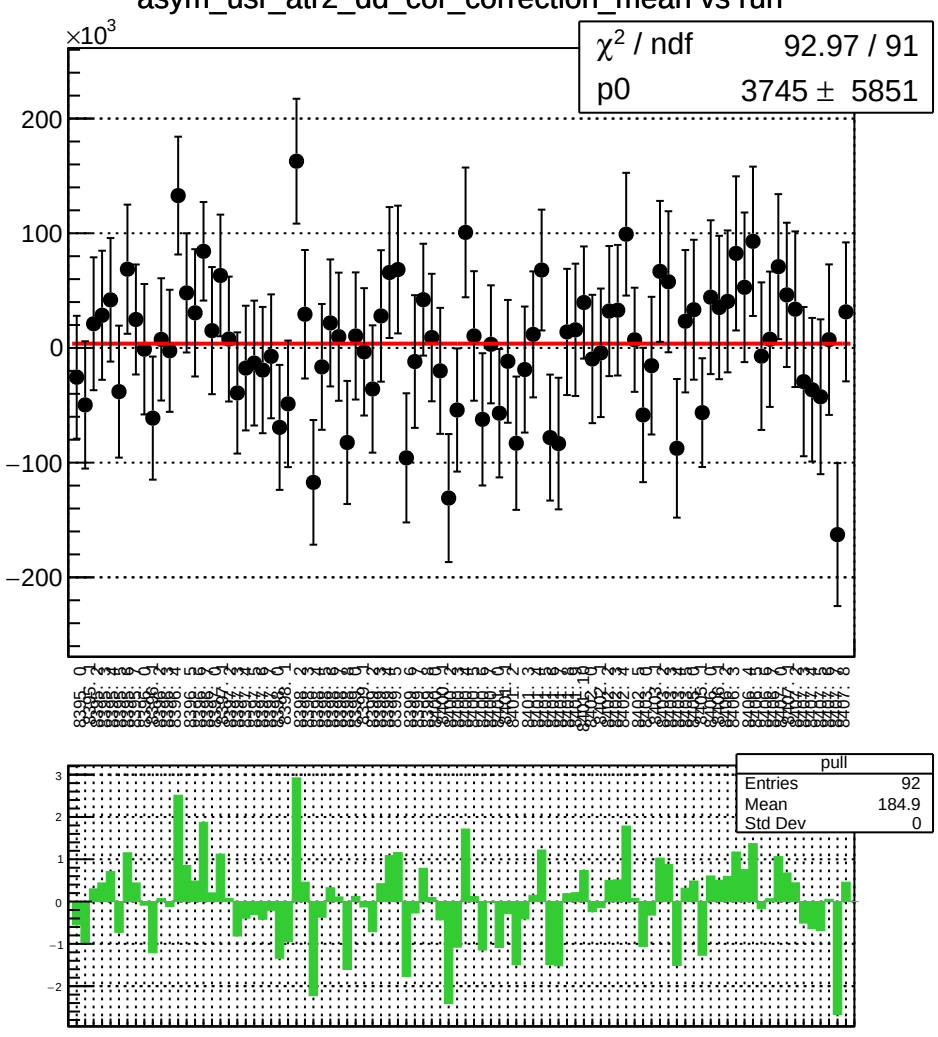

pull1D
Entries 92
Mean −0.003894
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

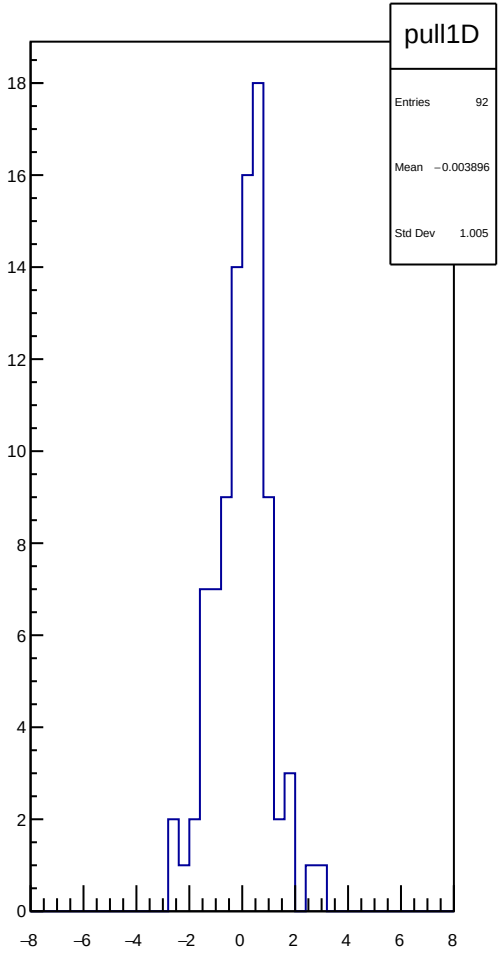

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 8025 / 91
p0 5419 ± 4.138
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

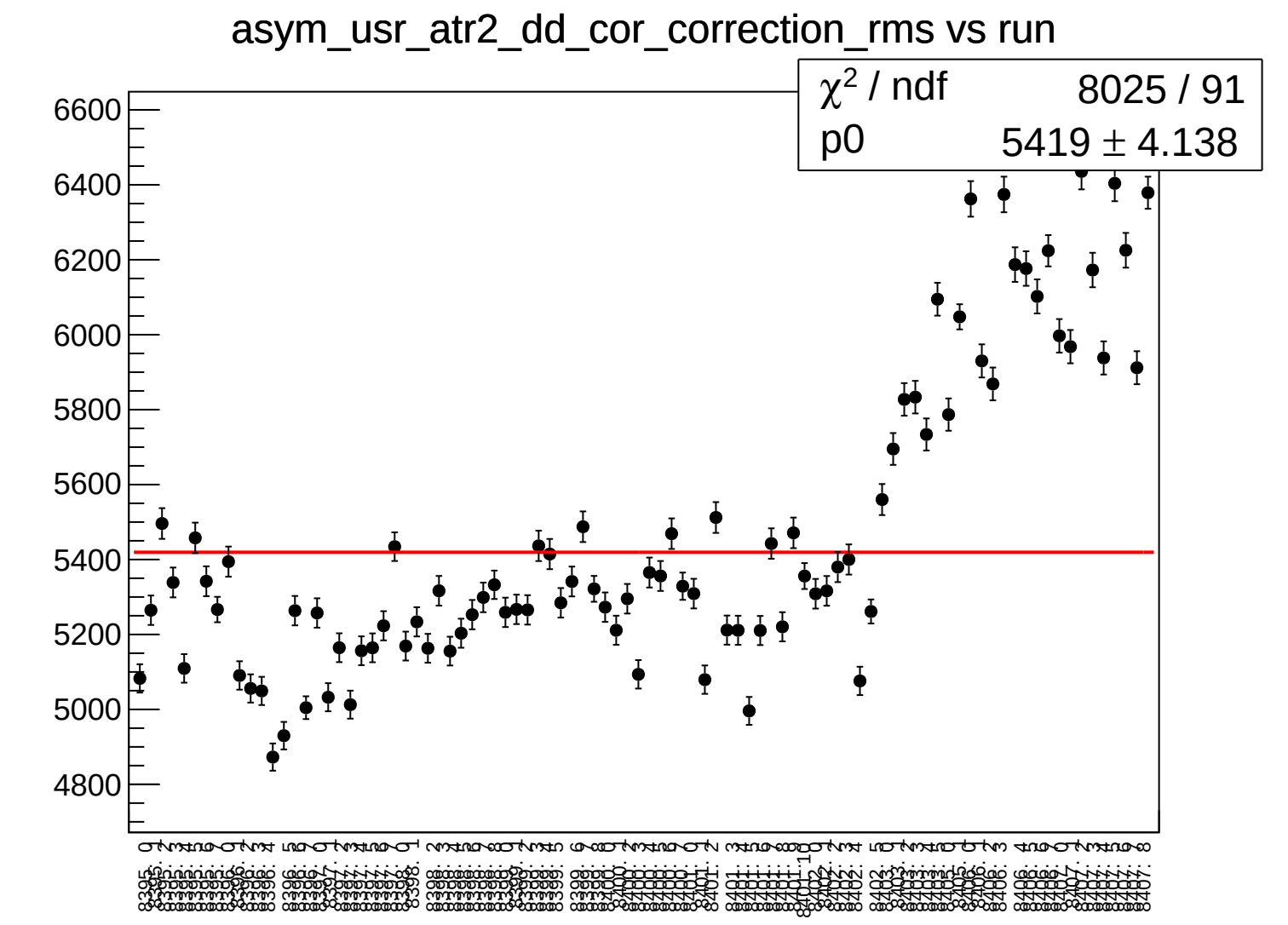

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 104.3 / 91
p0 −488.3 ± 1393
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −7629
Std Dev 0
3
2
1
0
−1
−2

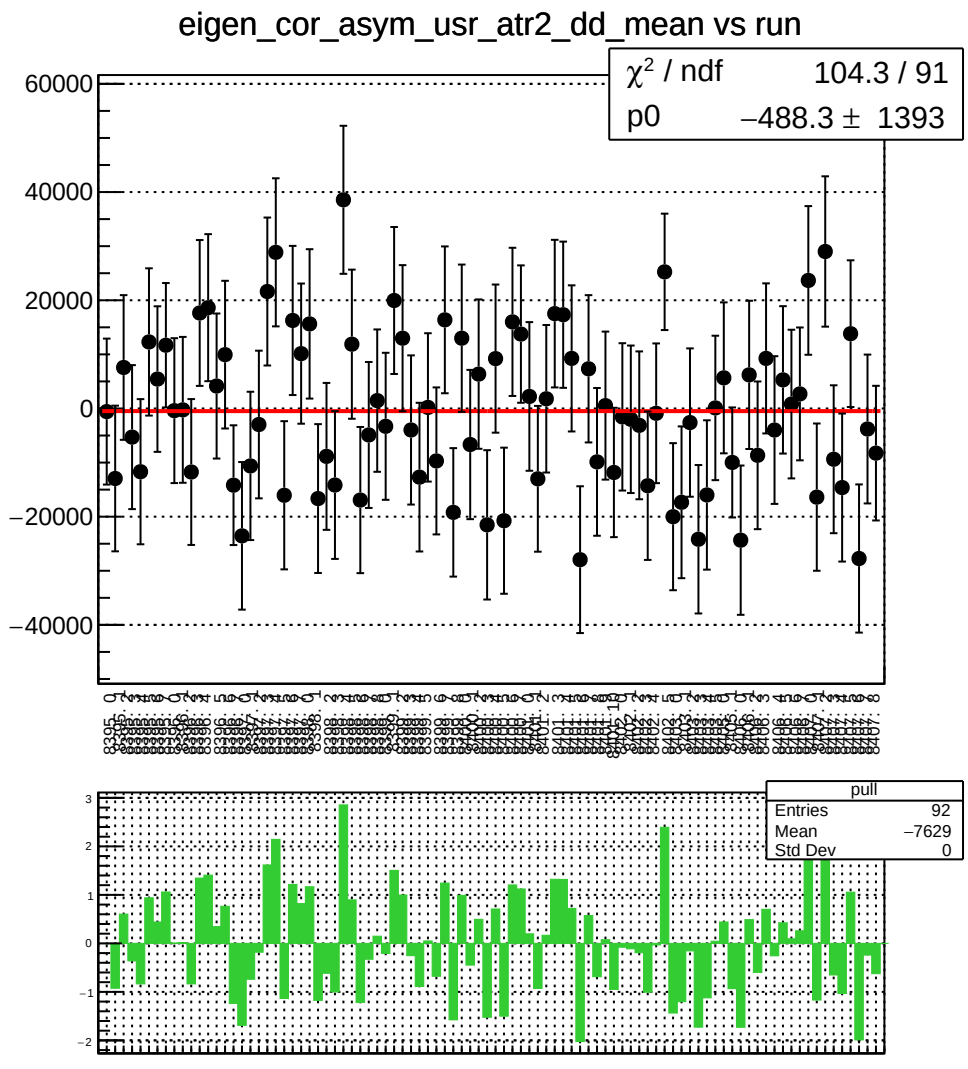

pull1D
Entries 92
Mean 0.0004929
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

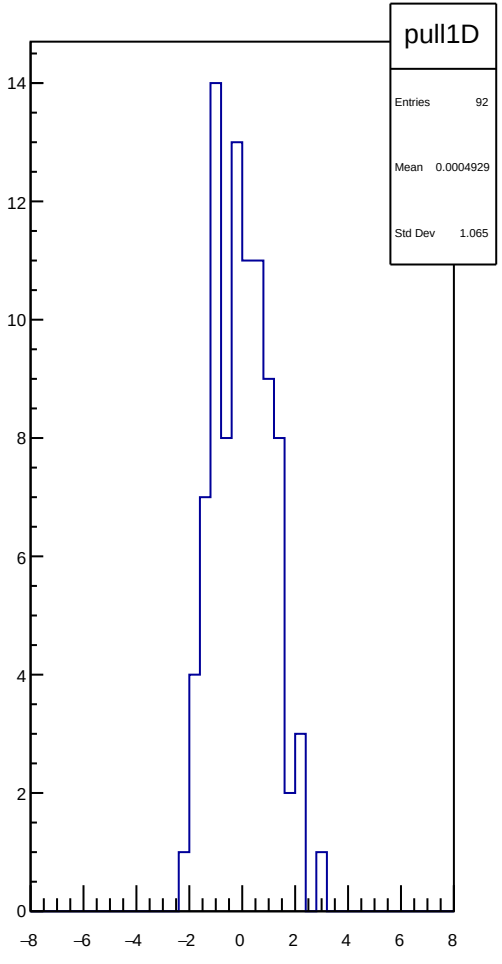

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 263.5 / 91
p0 1293 ± 0.985
1340
1320
1300
1280
1260
1240
1220

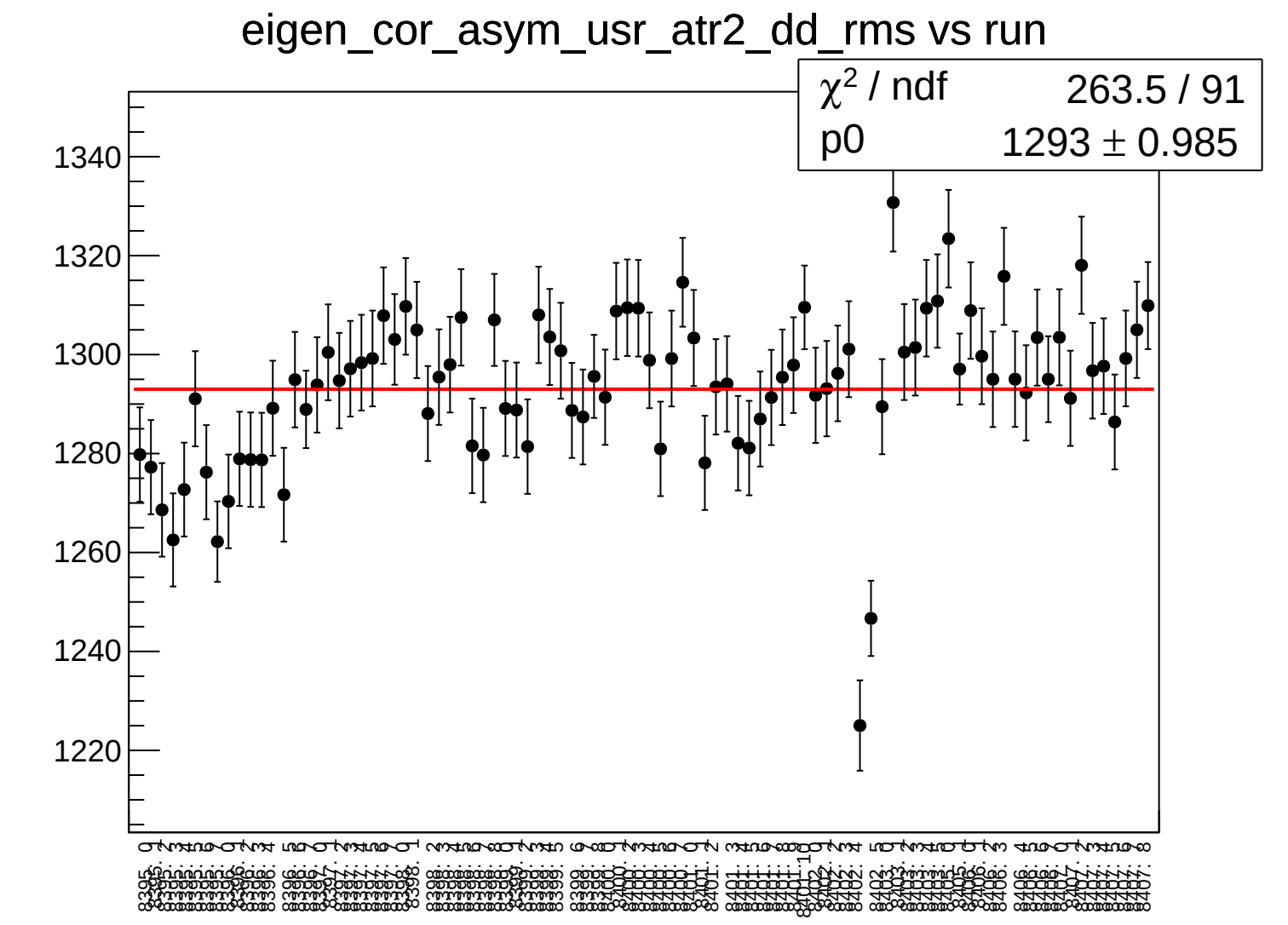

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 92.97 / 91
p0 3745 ± 5851
200
100
0
−100
−200
pull
Entries 92
Mean 184.9
Std Dev 0
3
2
1
0
−1
−2

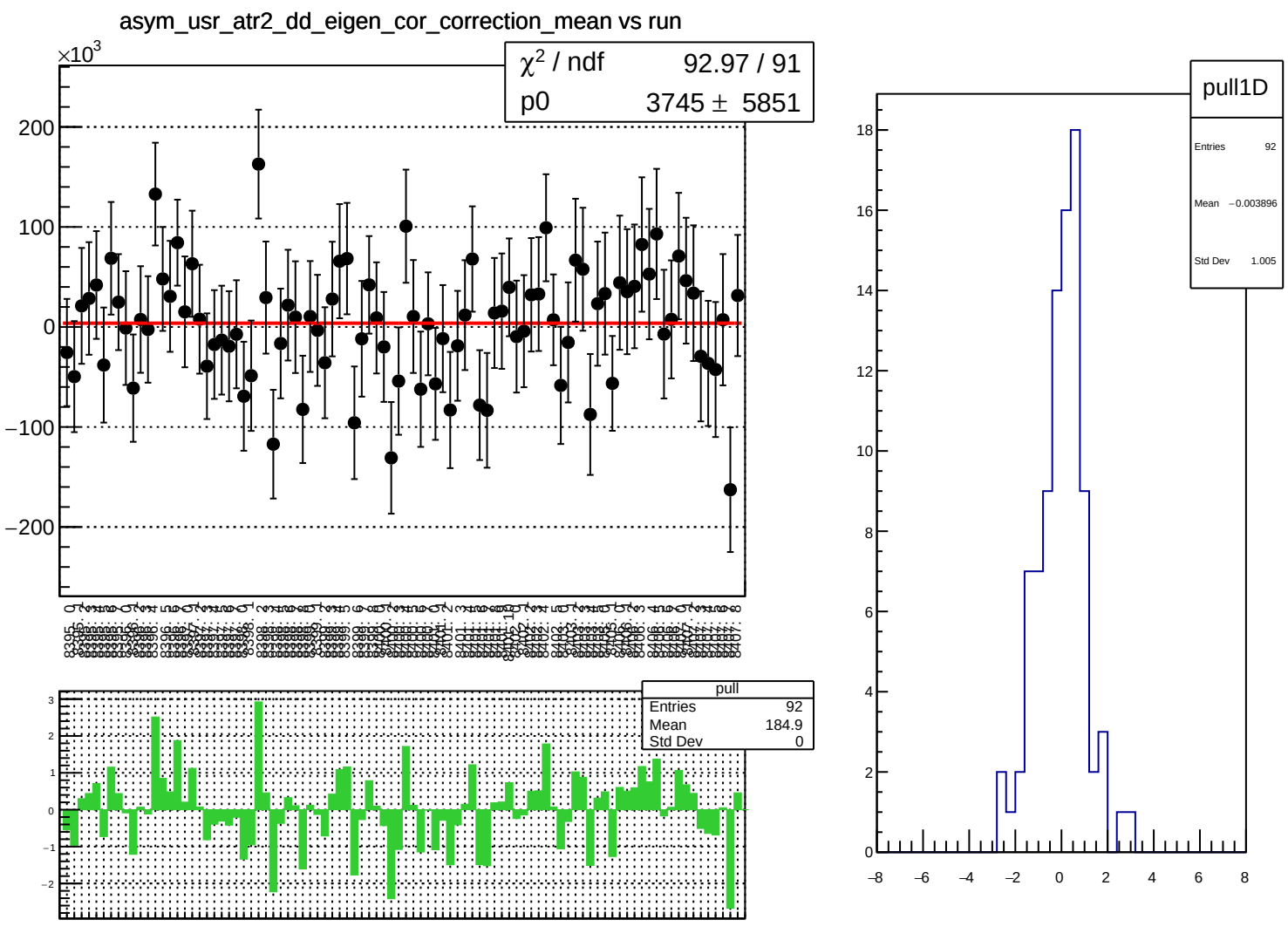

pull1D
Entries 92
Mean −0.003896
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

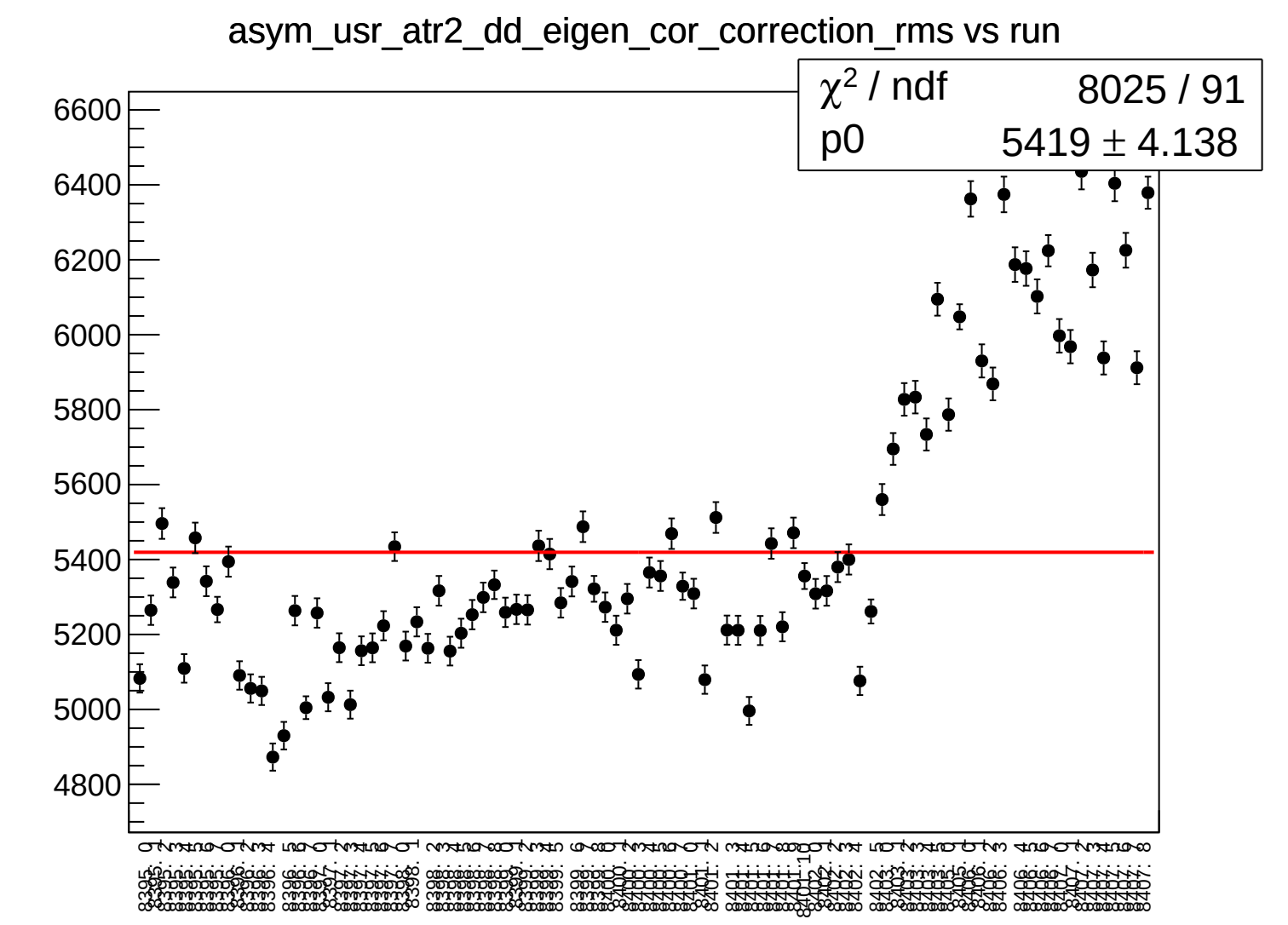

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 8025 / 91
p0 5419 ± 4.138
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

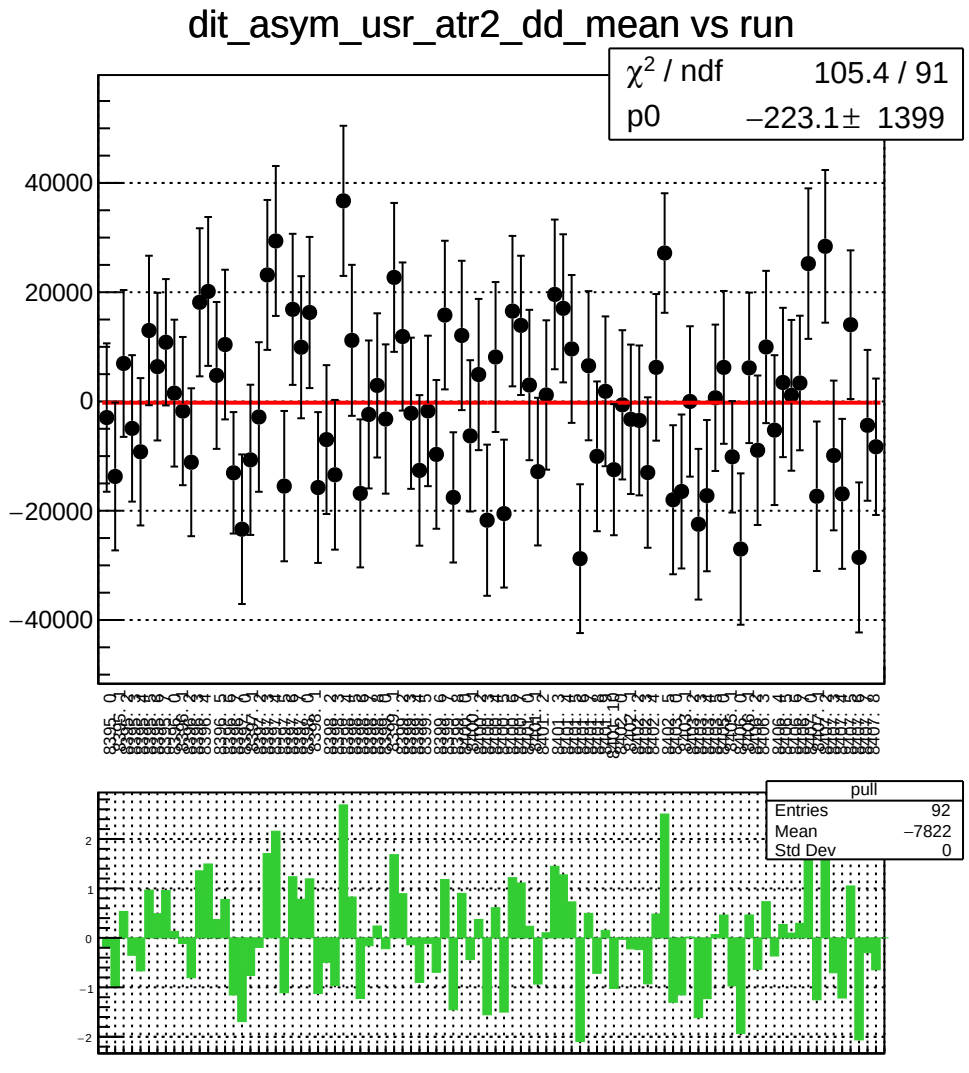

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 104.3 / 91
p0 −488.3 ± 1393
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −7629
Std Dev 0
3
2
1
0
−1
−2

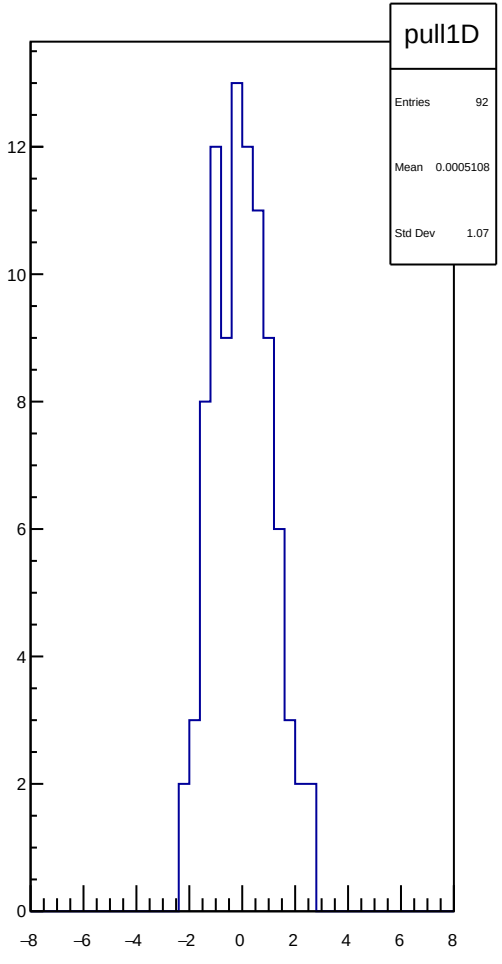

pull1D
Entries 92
Mean 0.0004929
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

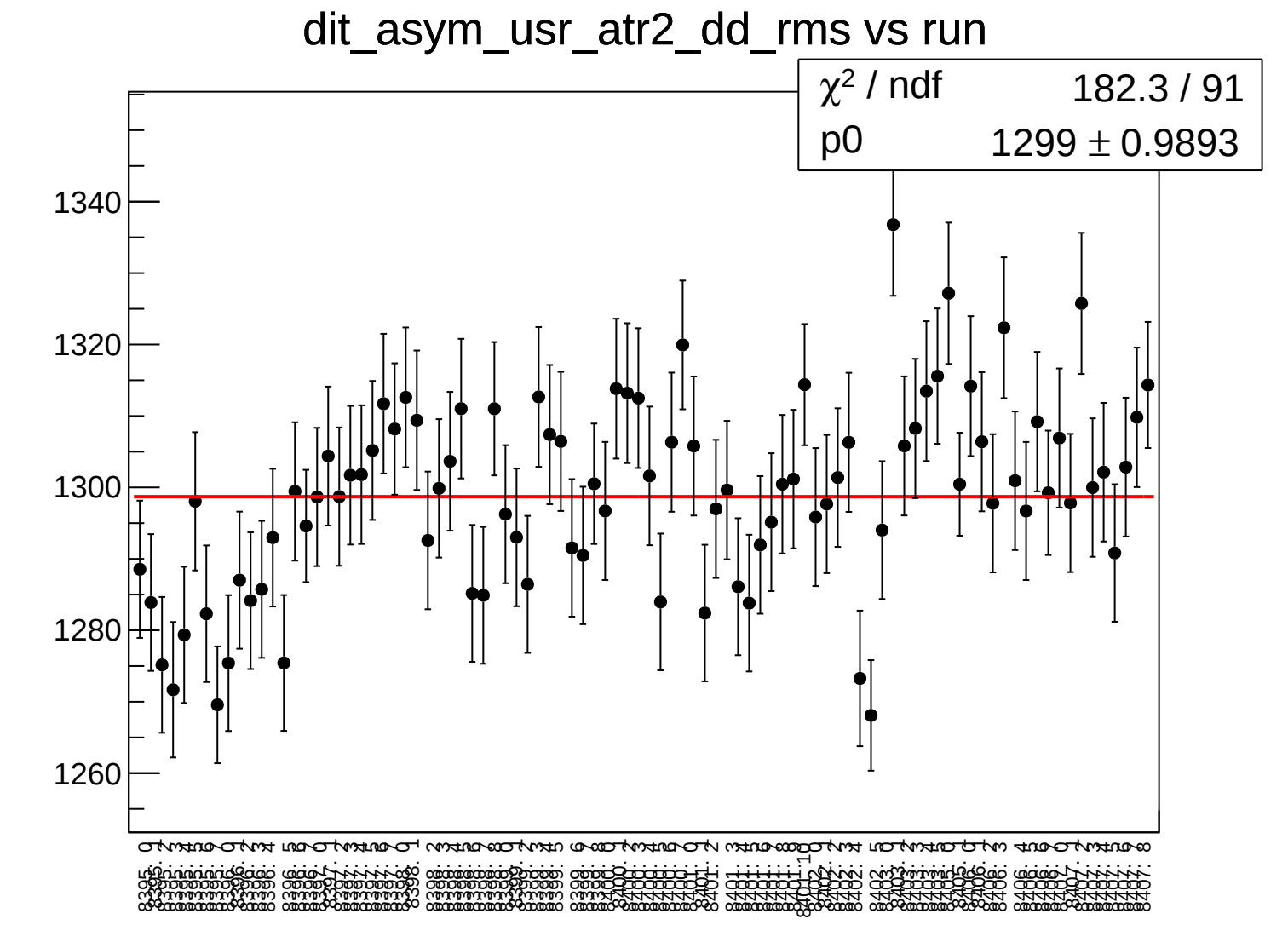

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 263.5 / 91
p0 1293 ± 0.985
1340
1320
1300
1280
1260
1240
1220

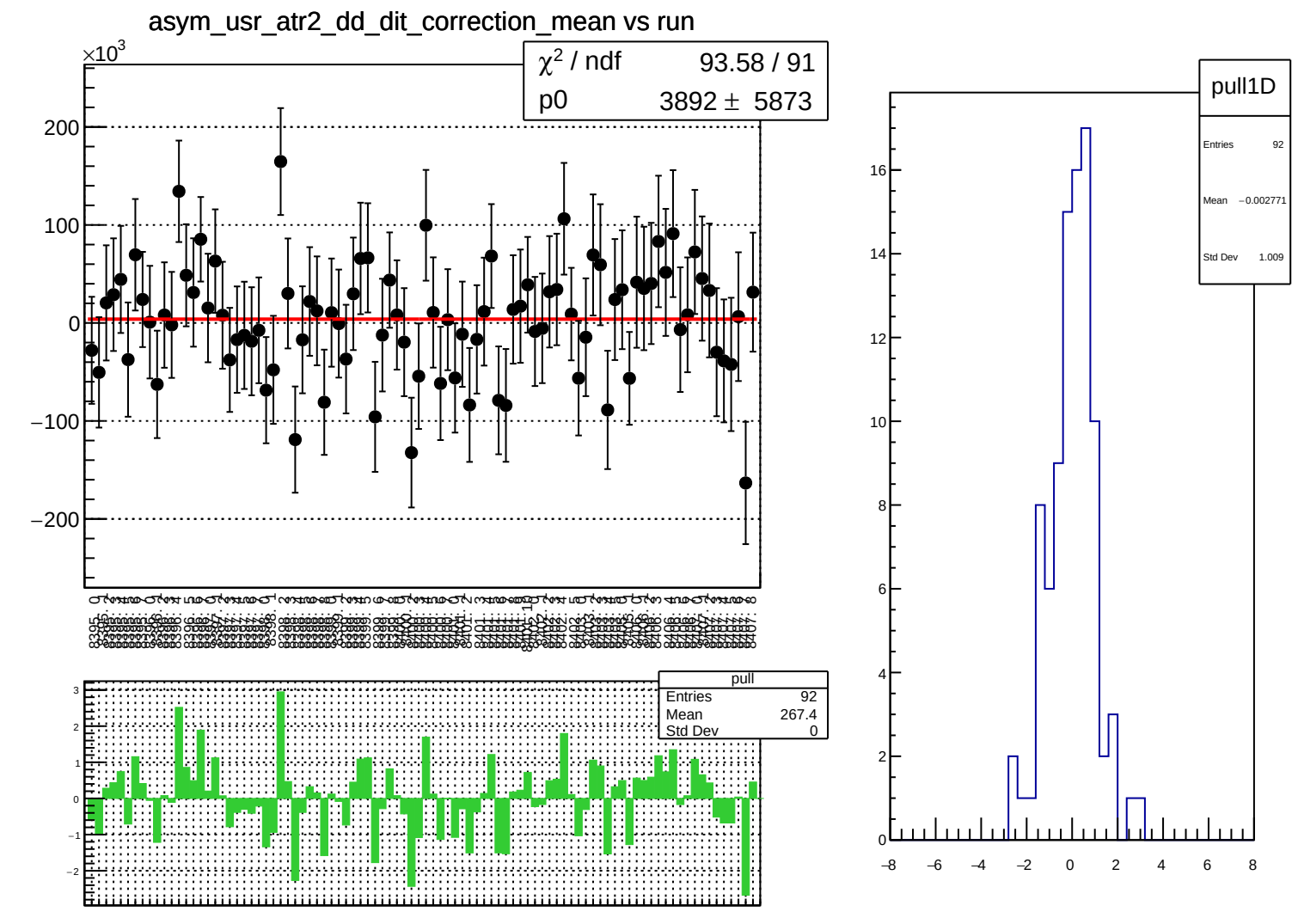

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 92.97 / 91
p0 3745 ± 5851
200
100
0
−100
−200
pull
Entries 92
Mean 184.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003896
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

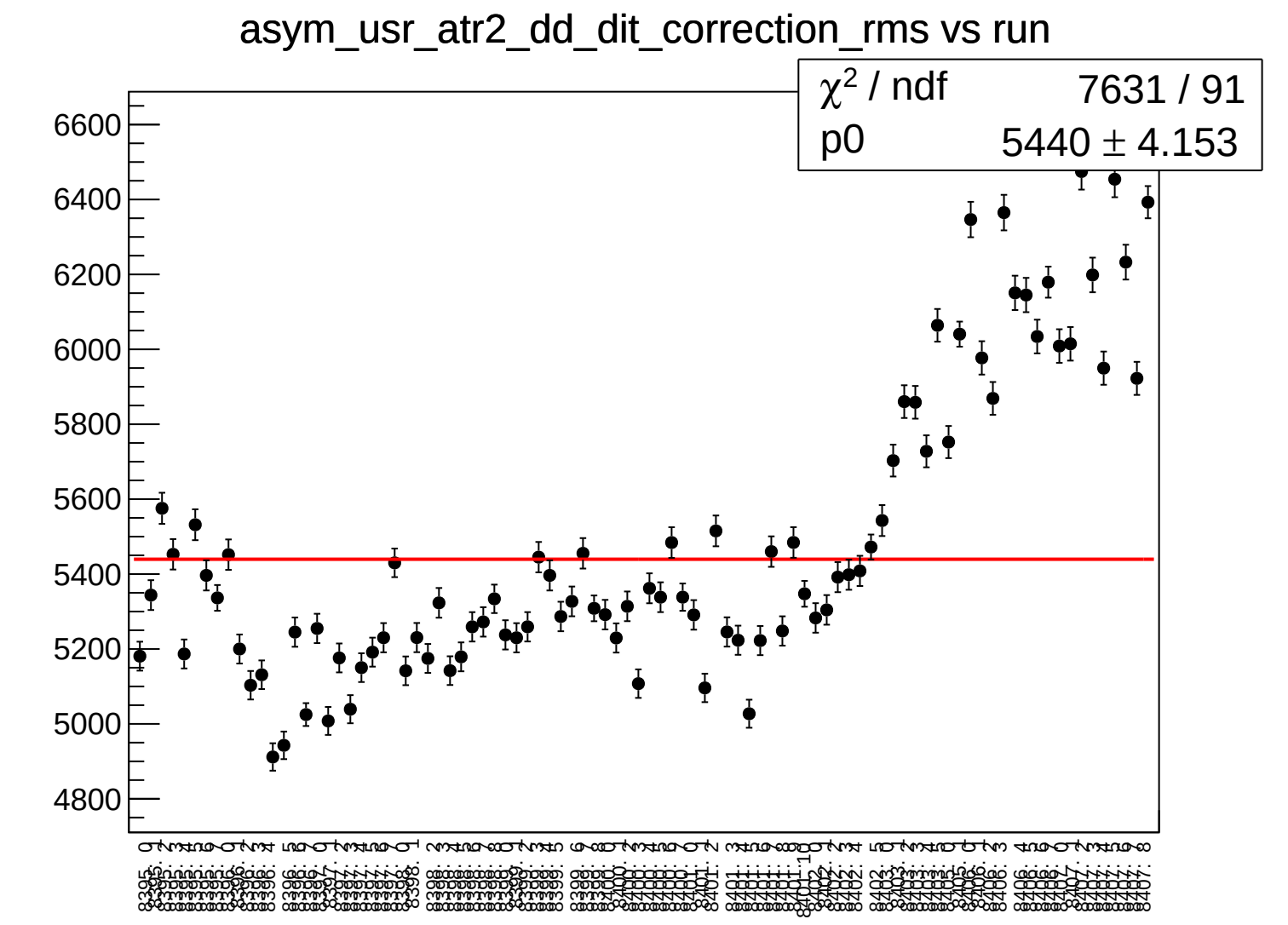

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 8025 / 91
p0 5419 ± 4.138
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

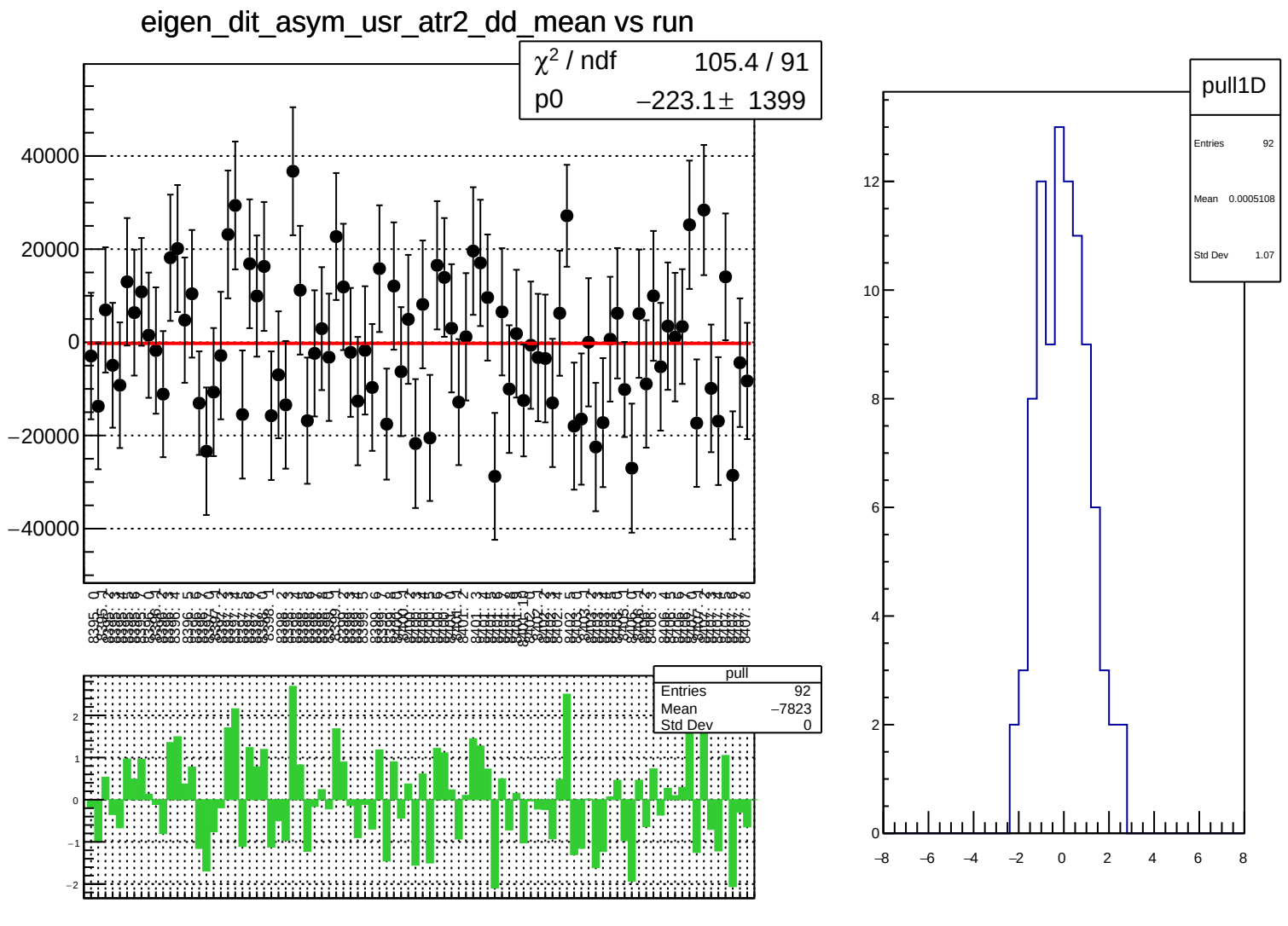

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 105.4 / 91
p0 −223.1± 1399
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −7822
Std Dev 0
2
1
0
−1
−2

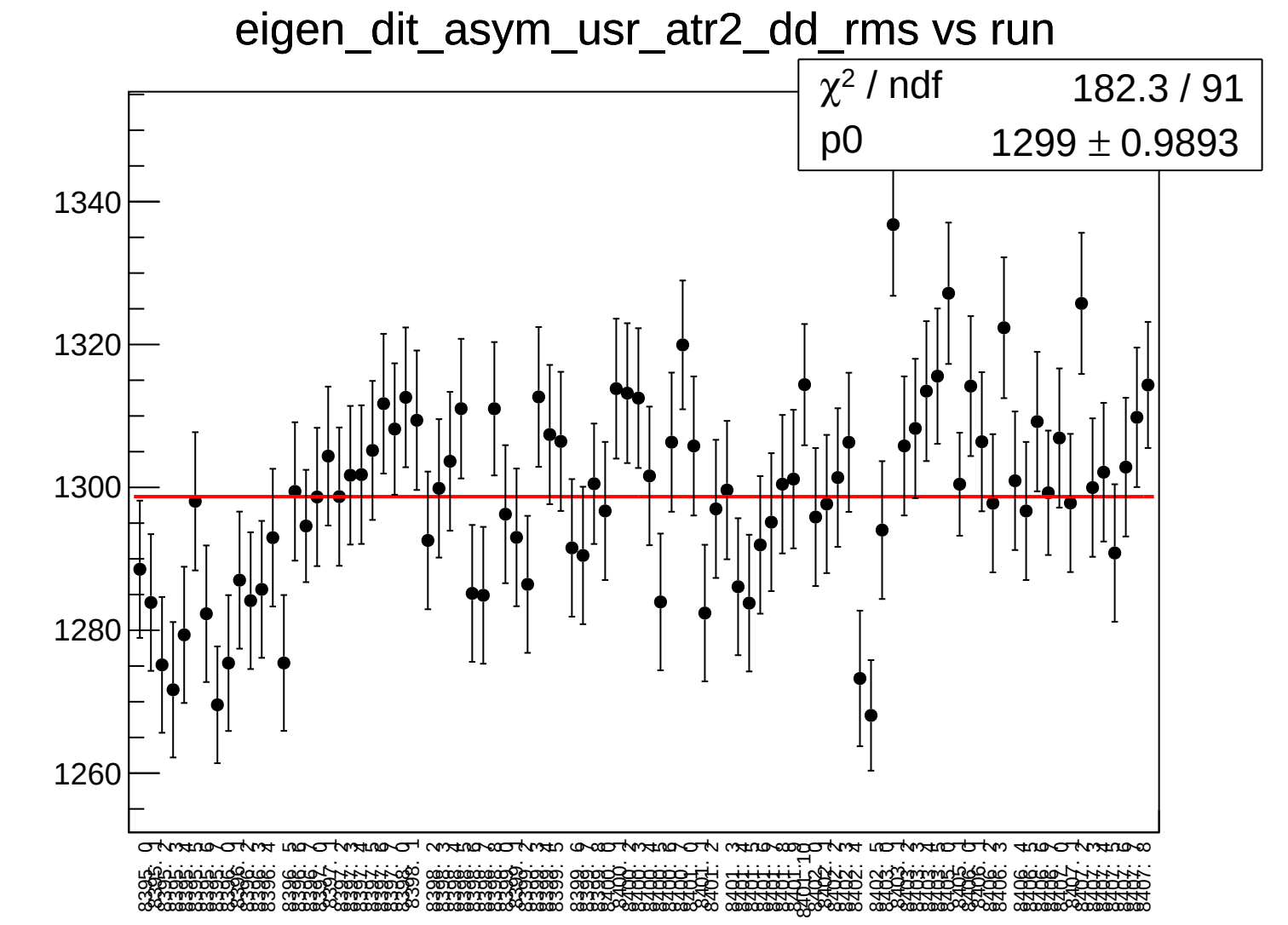

pull1D
Entries 92
Mean 0.0005108
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

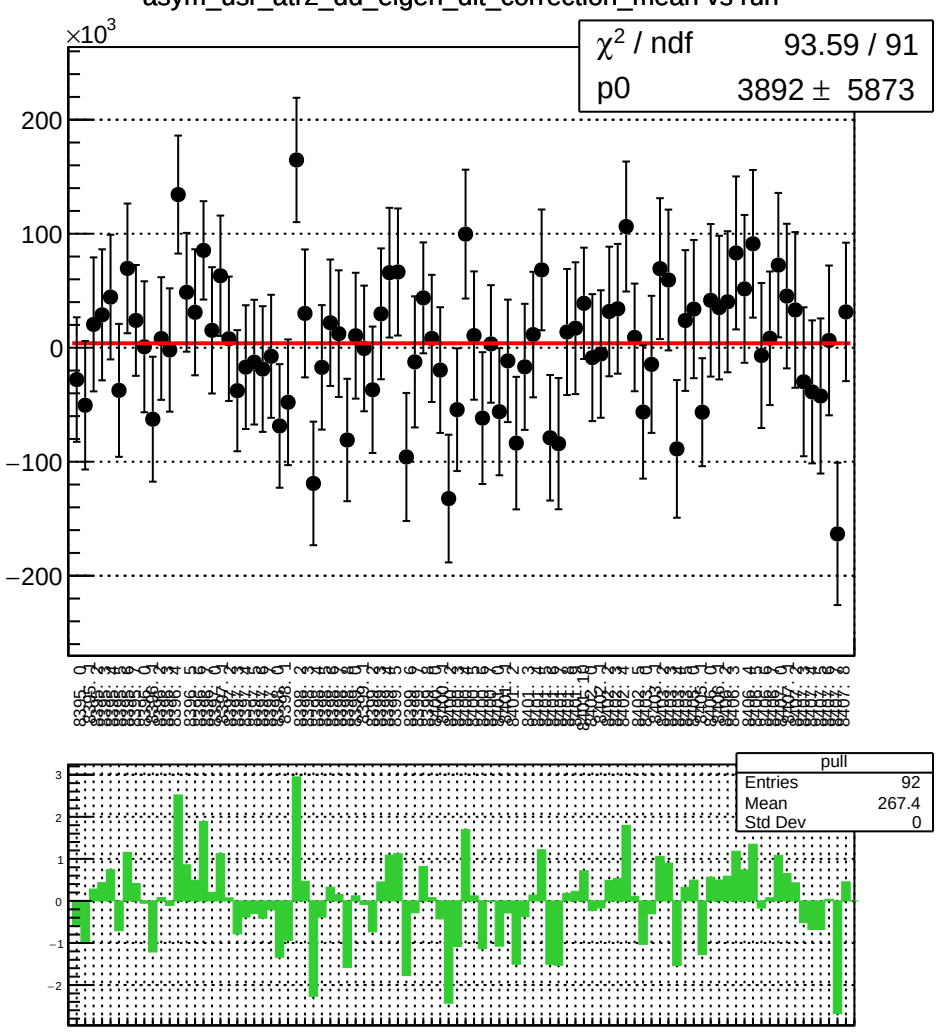

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 182.3 / 91
p0 1299 ± 0.9893
1340
1320
1300
1280
1260

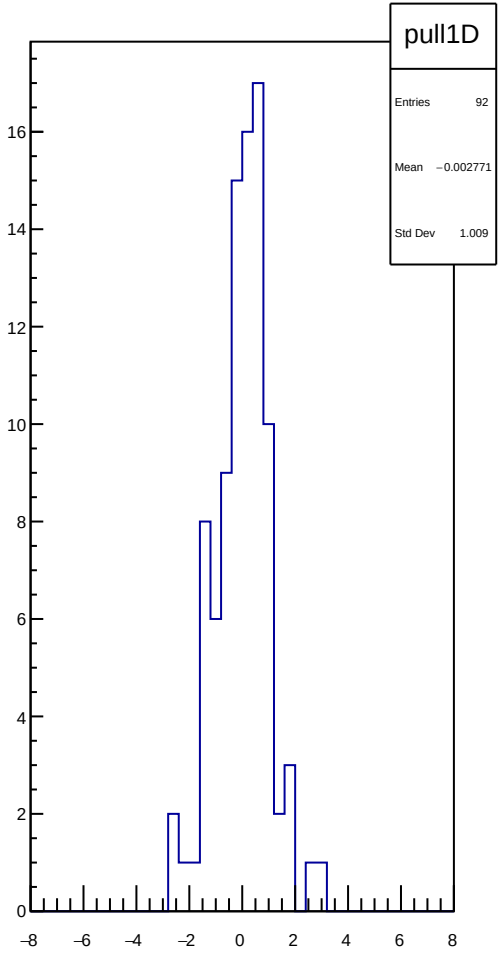

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 93.58 / 91
p0 3892 ± 5873
200
100
0
−100
−200
pull
Entries 92
Mean 267.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002771
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

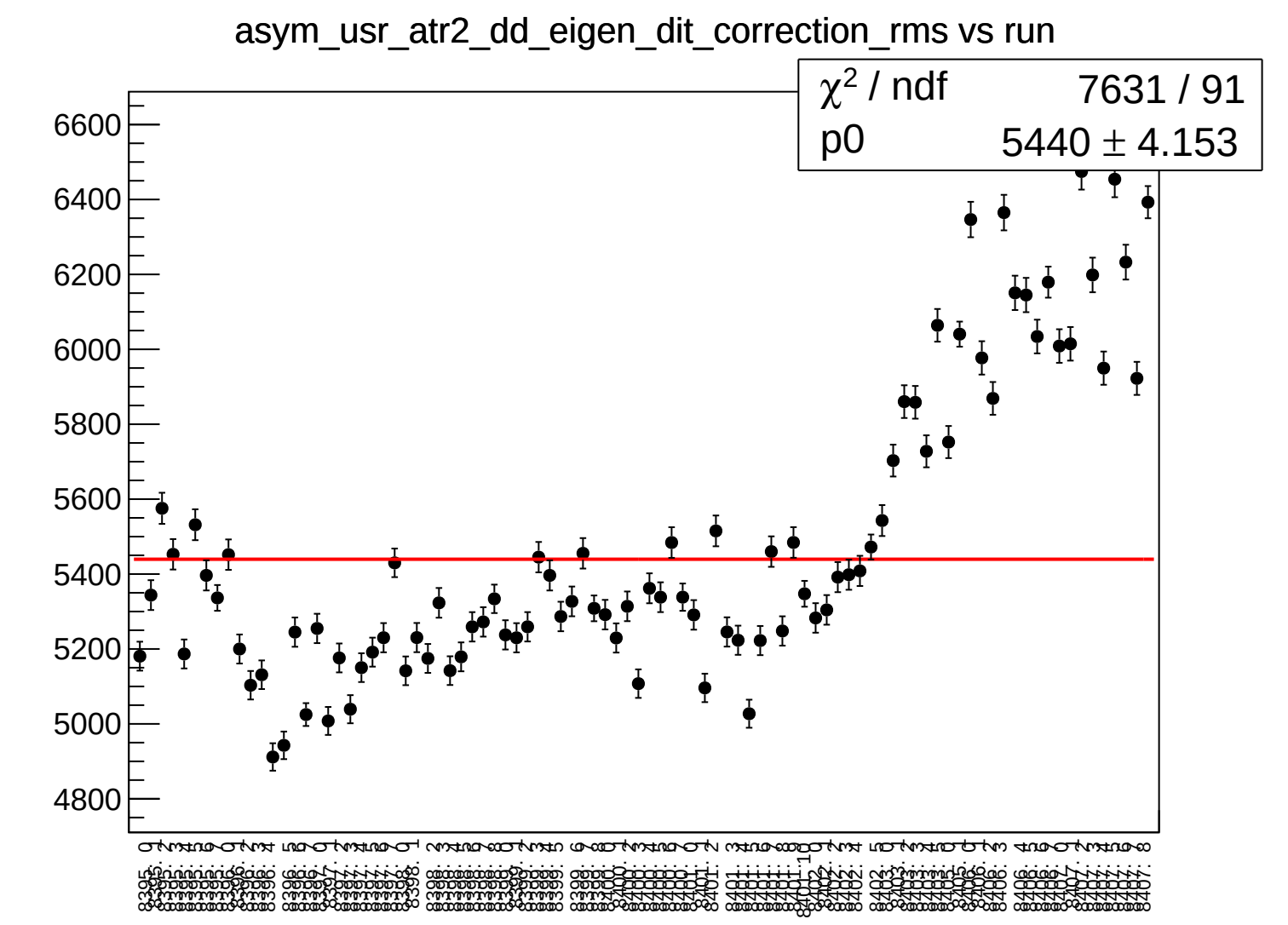

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 7631 / 91
p0 5440 ± 4.153
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

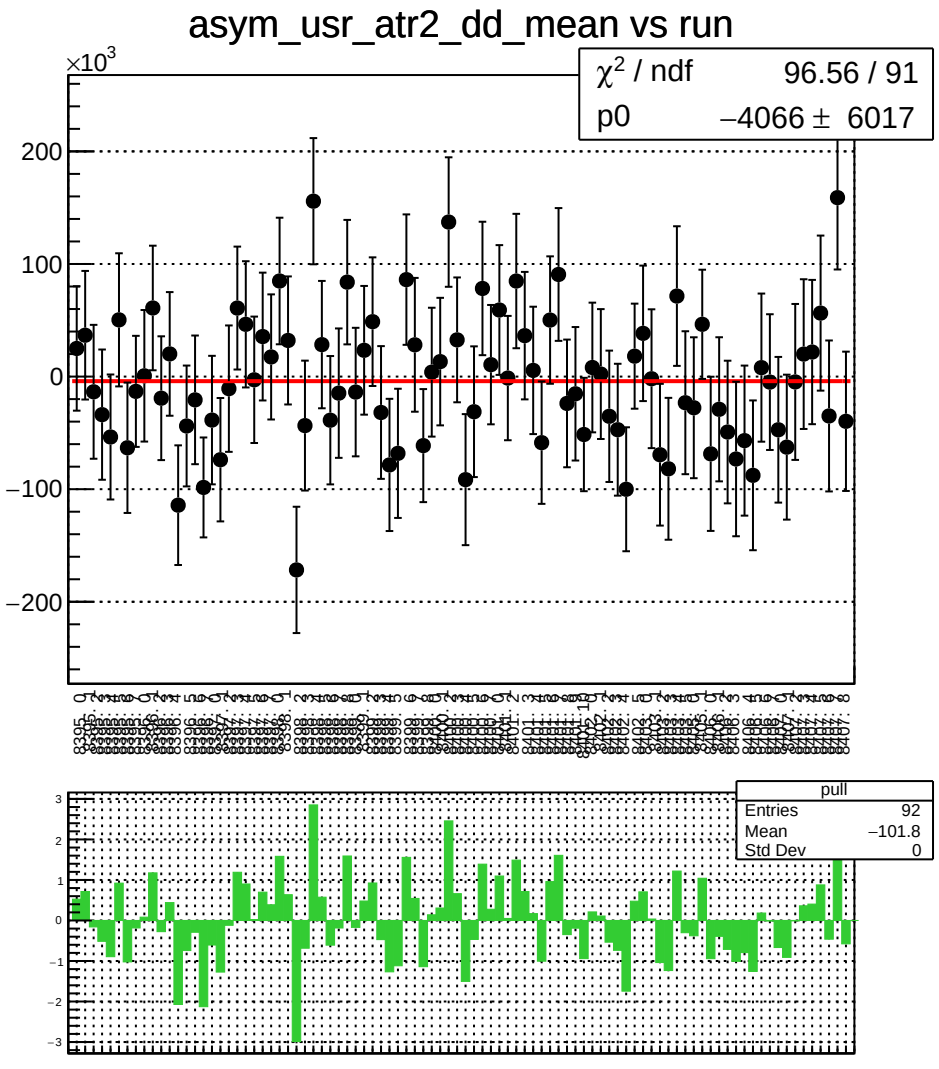

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 105.4 / 91
p0 −223.1± 1399
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −7823
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.0005108
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

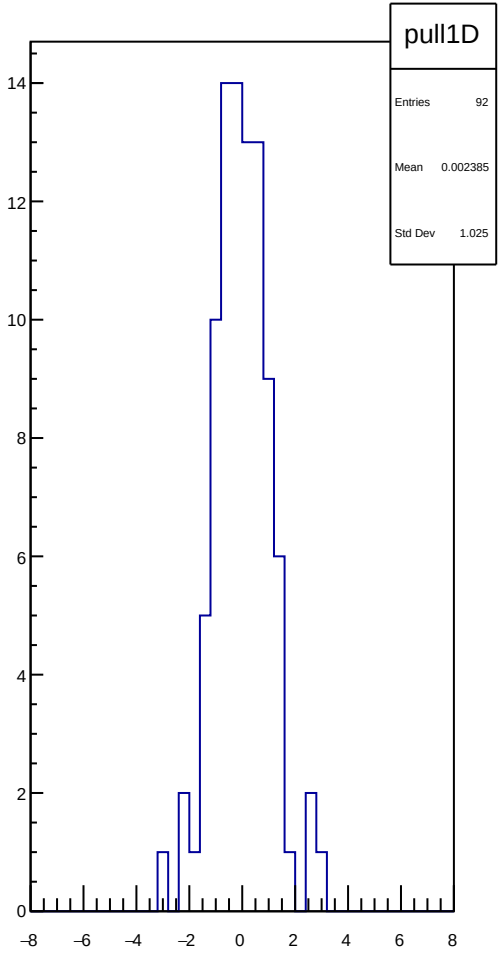

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 182.3 / 91
p0 1299 ± 0.9893
1340
1320
1300
1280
1260

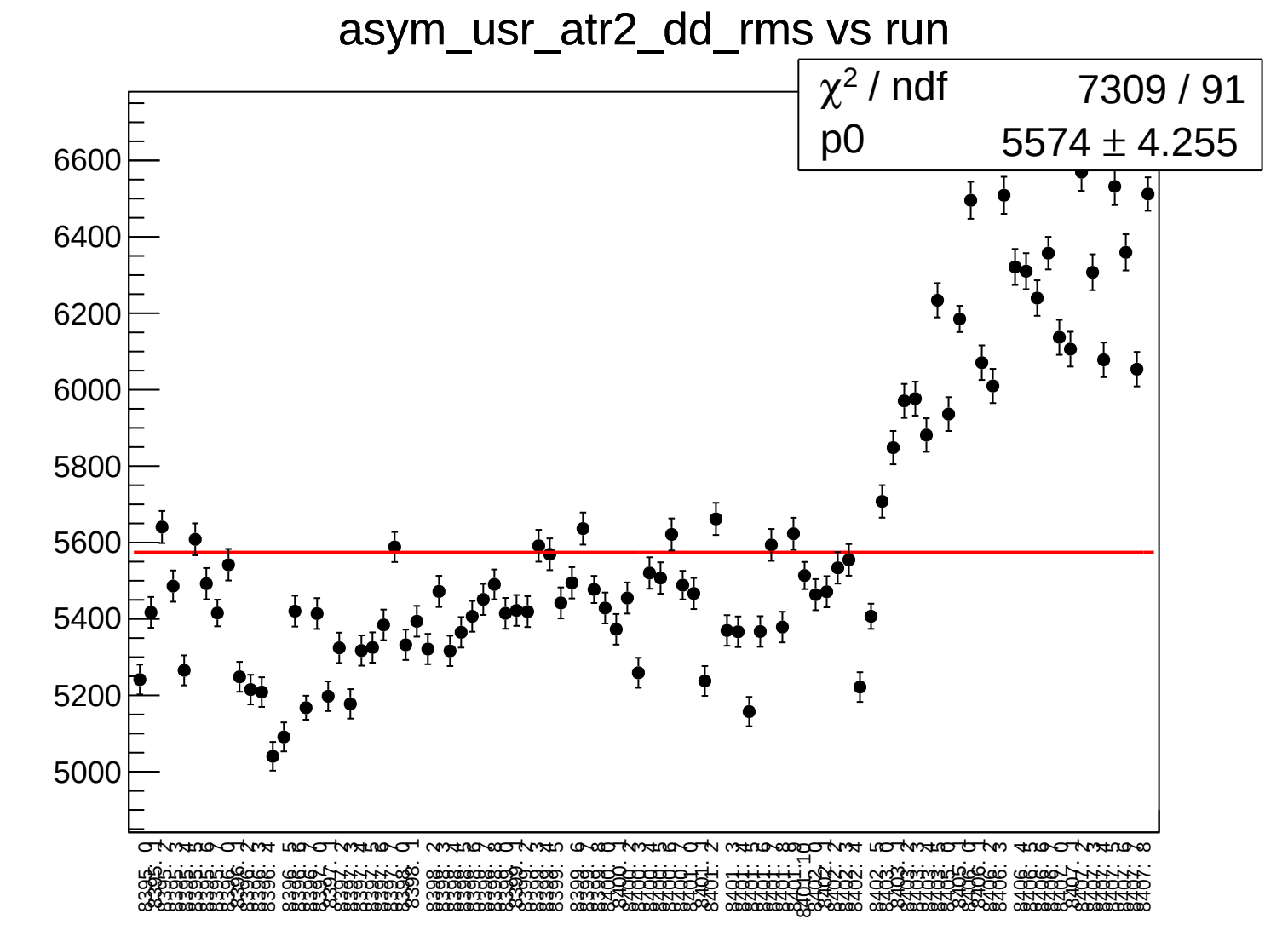

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 93.59 / 91
p0 3892 ± 5873
200
100
0
−100
−200
pull
Entries 92
Mean 267.4
Std Dev 0
3
2
1
0
−1
−2

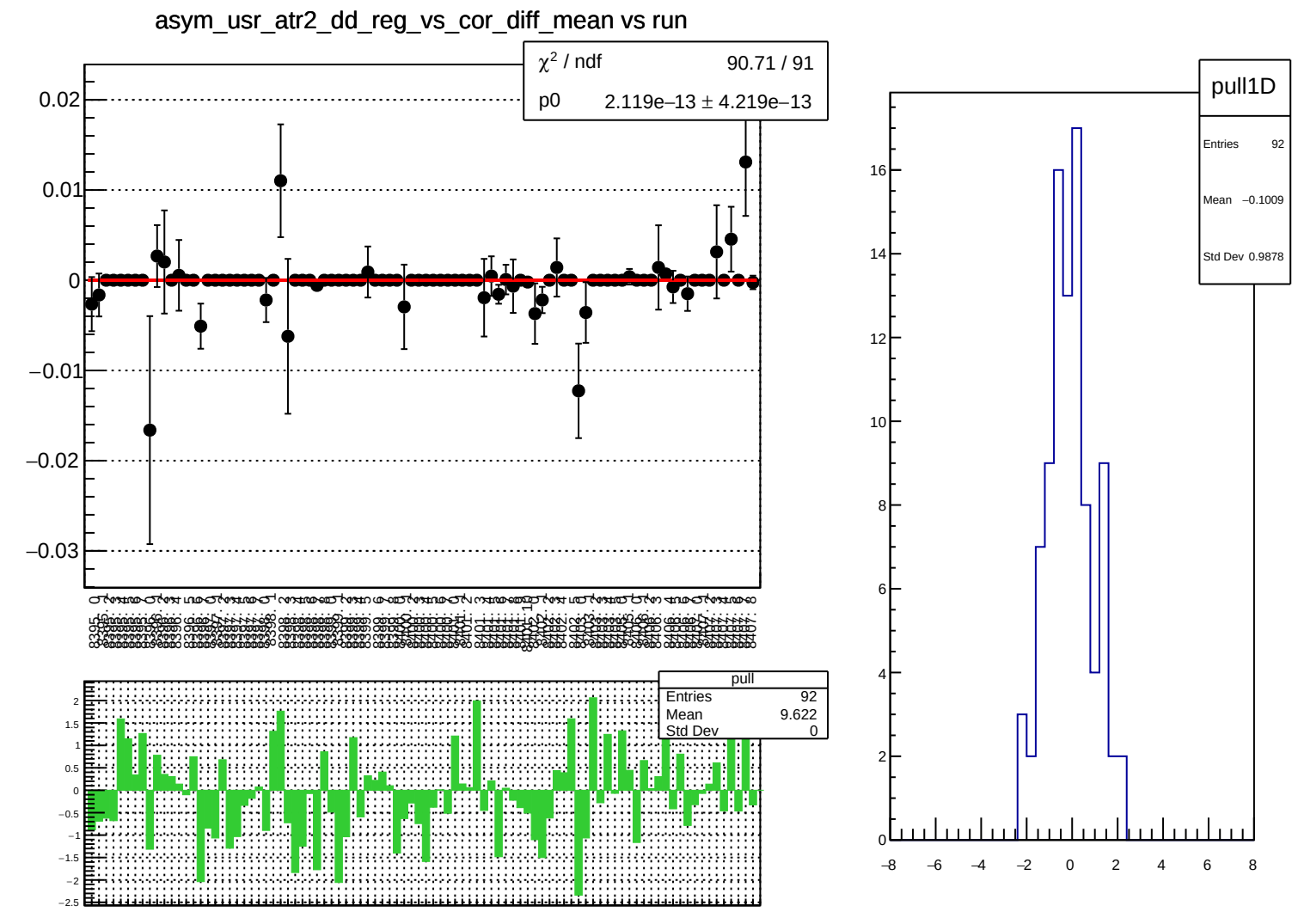

pull1D
Entries 92
Mean −0.002771
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

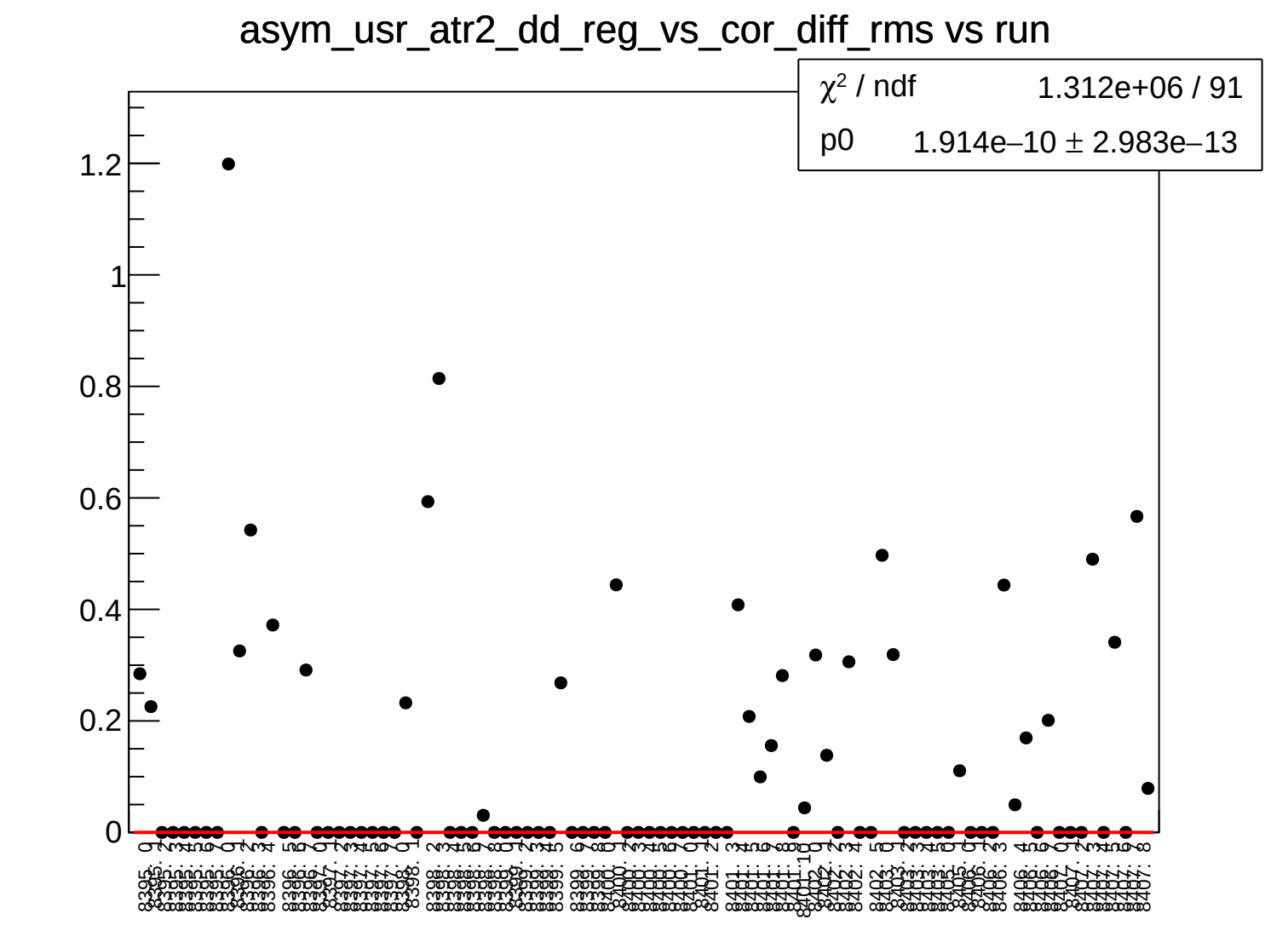

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 7631 / 91
p0 5440 ± 4.153
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

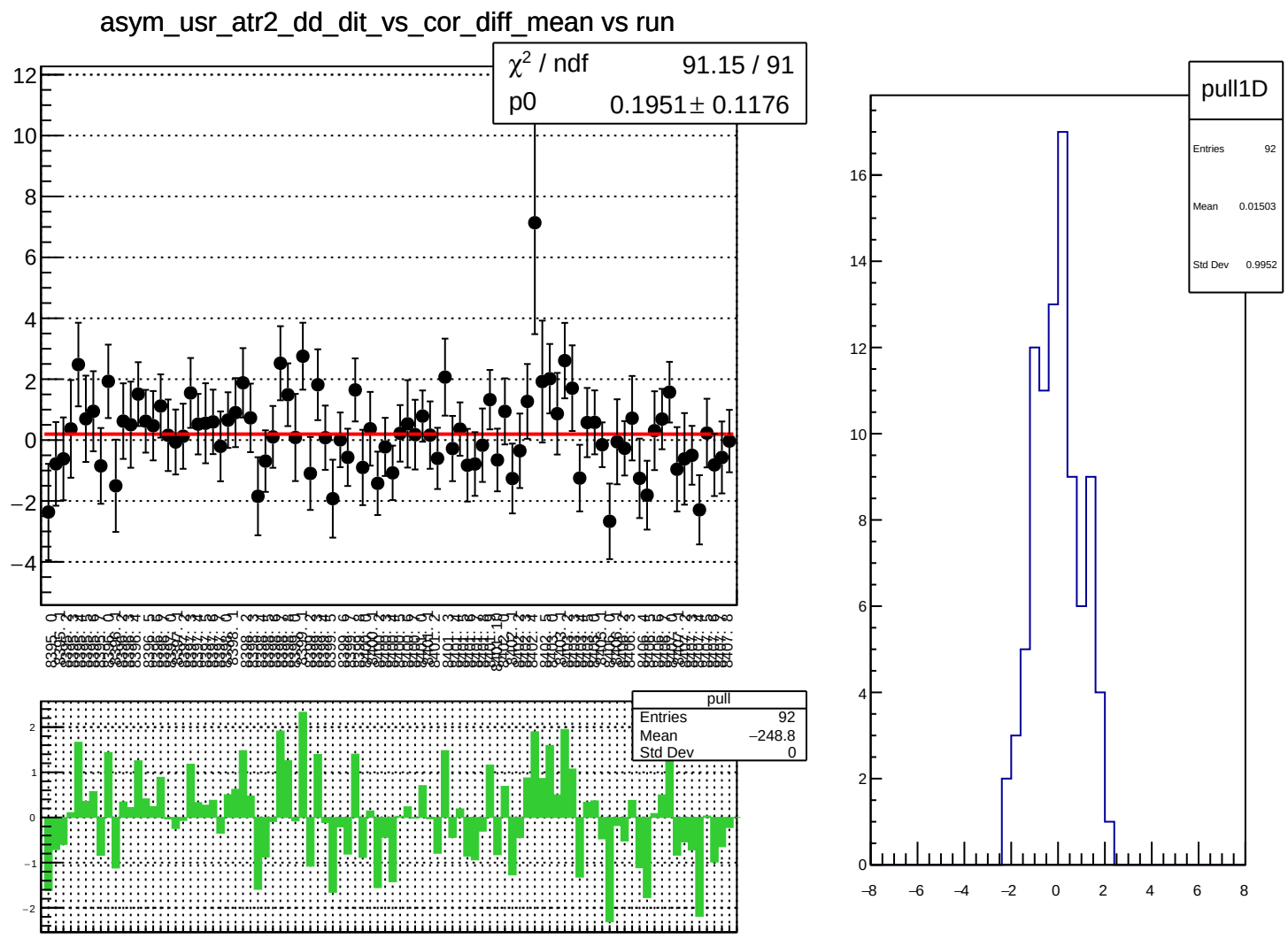

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 96.56 / 91
p0 −4066 ± 6017
200
100
0
−100
−200
pull
Entries 92
Mean −101.8
Std Dev 0
3
2
1
0
−1
−2
−3

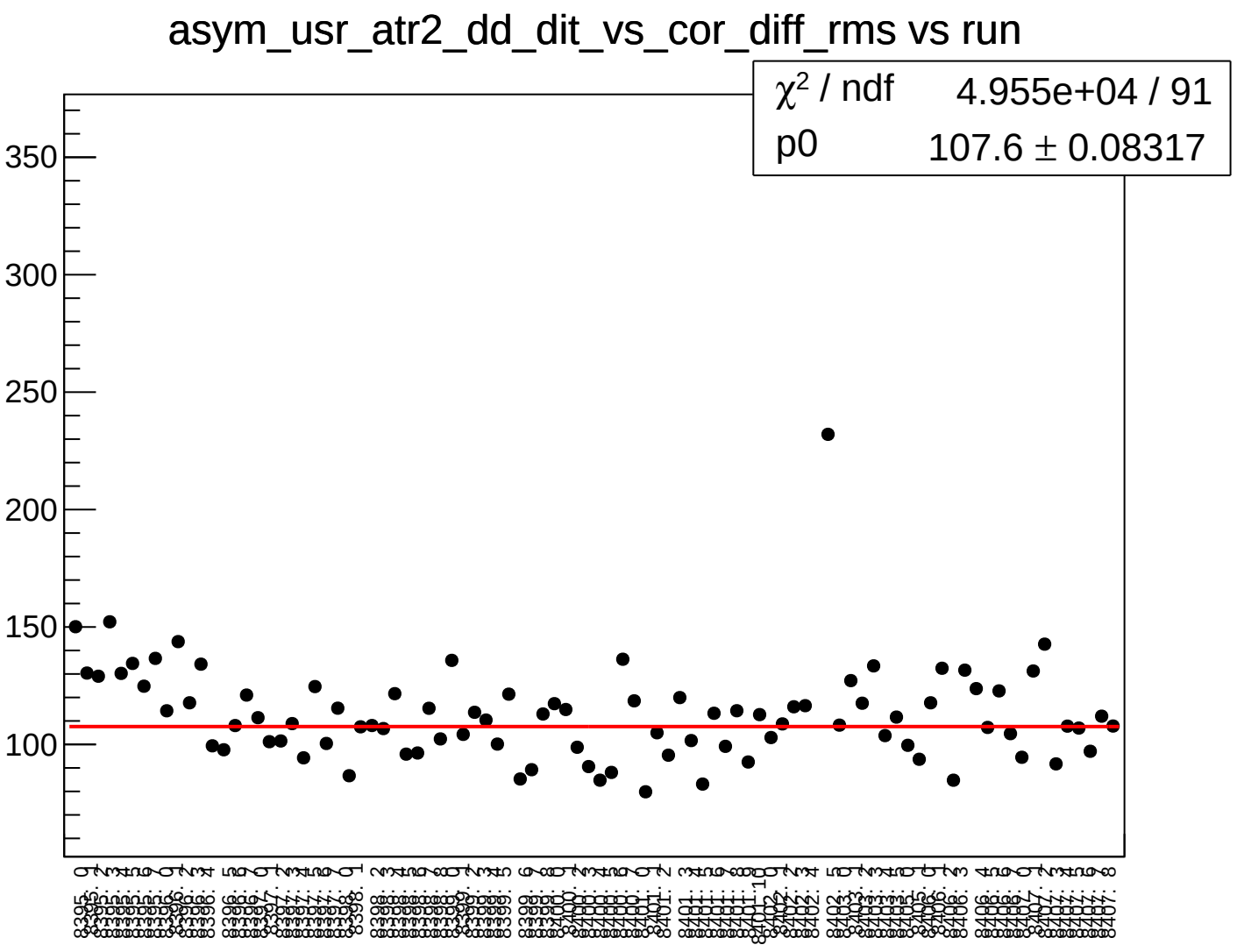

pull1D
Entries 92
Mean 0.002385
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

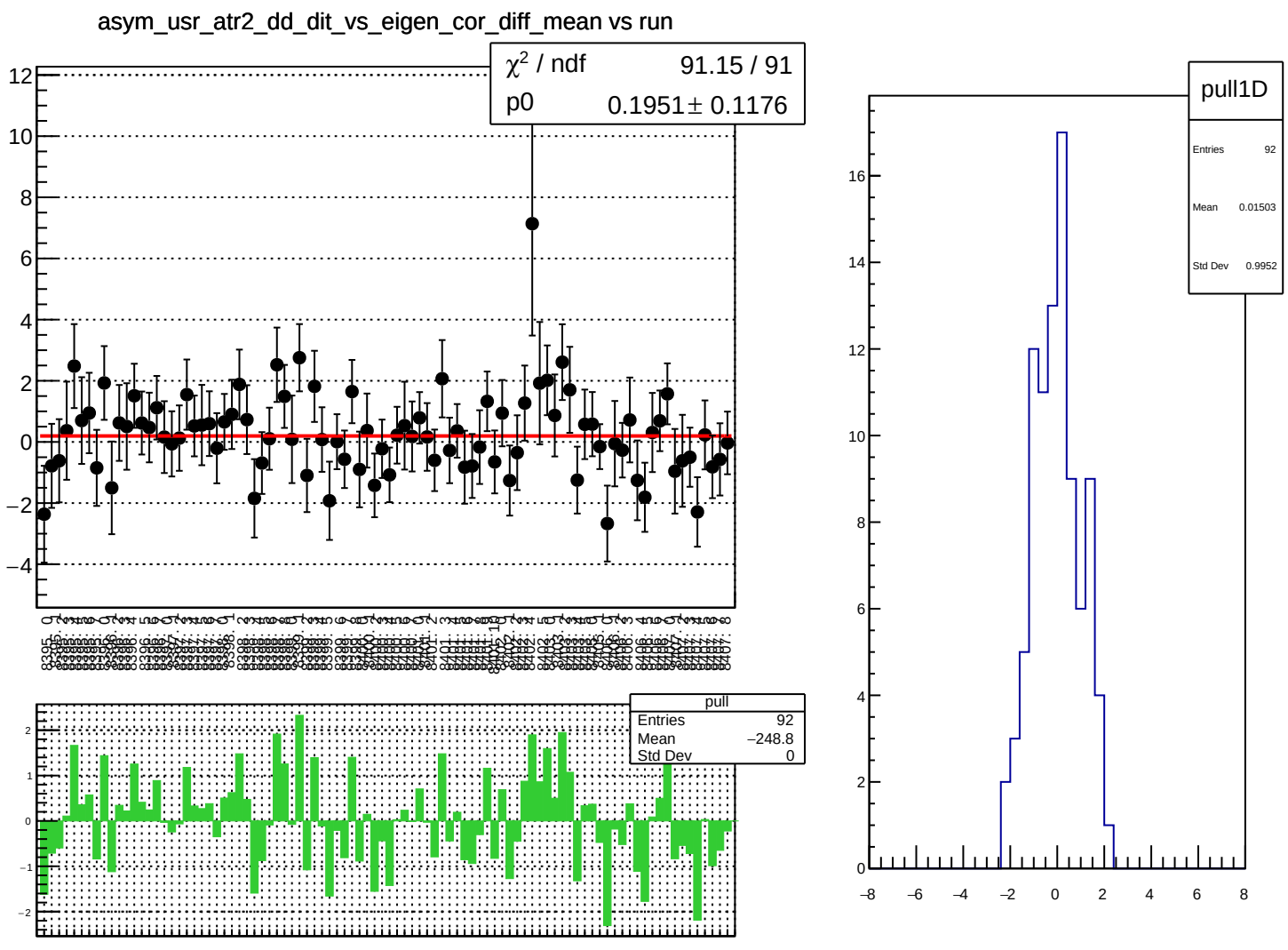

asym_usr_atr2_dd_rms vs run
χ² / ndf 7309 / 91
p0 5574 ± 4.255
6600
6400
6200
6000
5800
5600
5400
5200
5000

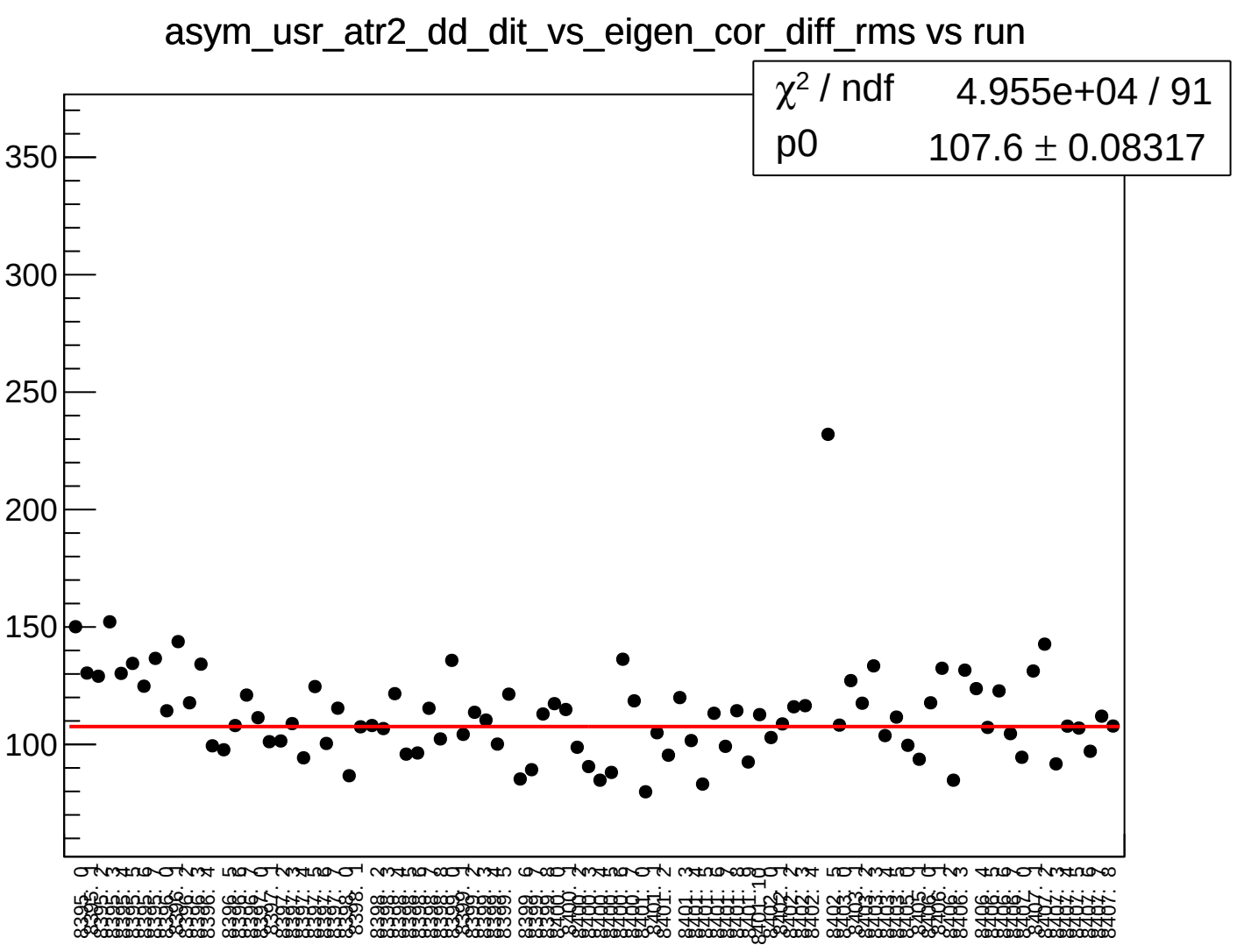

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 90.71 / 91
p0 2.119e−13 ± 4.219e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 9.622
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.1009
Std Dev 0.9878
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

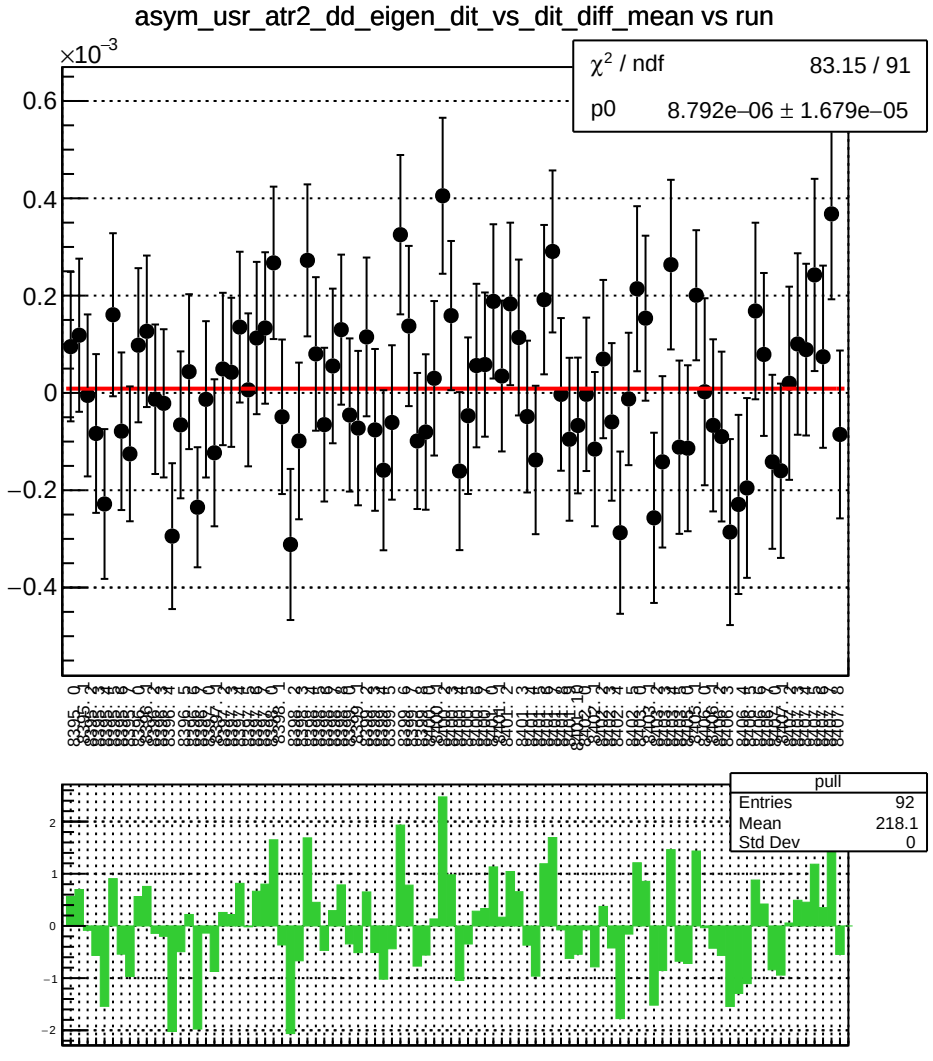

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.312e+06 / 91
p0 1.914e−10 ± 2.983e−13
1.2
1
0.8
0.6
0.4
0.2
0

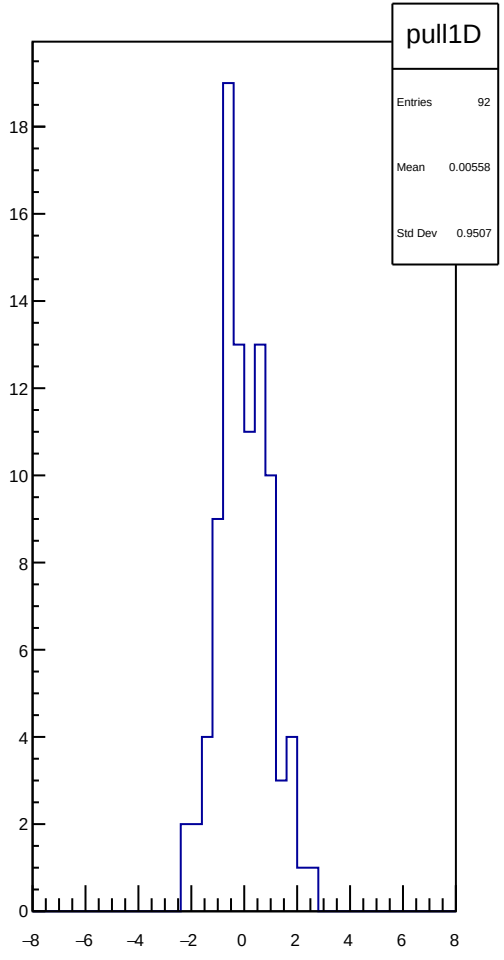

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 91.15 / 91
p0 0.1951 ± 0.1176
pull
Entries 92
Mean −248.8
Std Dev 0
pull1D
Entries 92
Mean 0.01503
Std Dev 0.9952

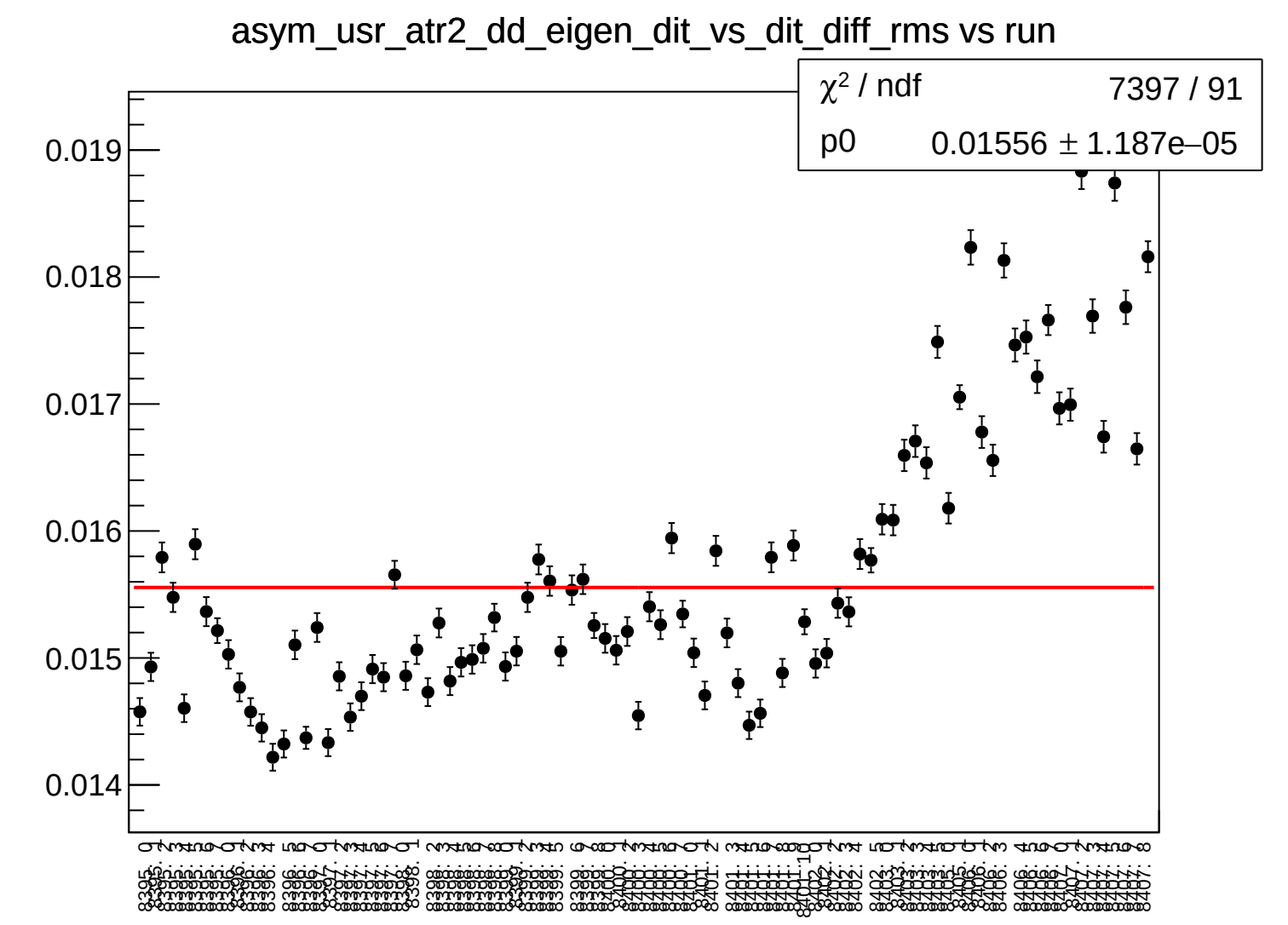

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 91
p0 107.6 ± 0.08317
350
300
250
200
150
100

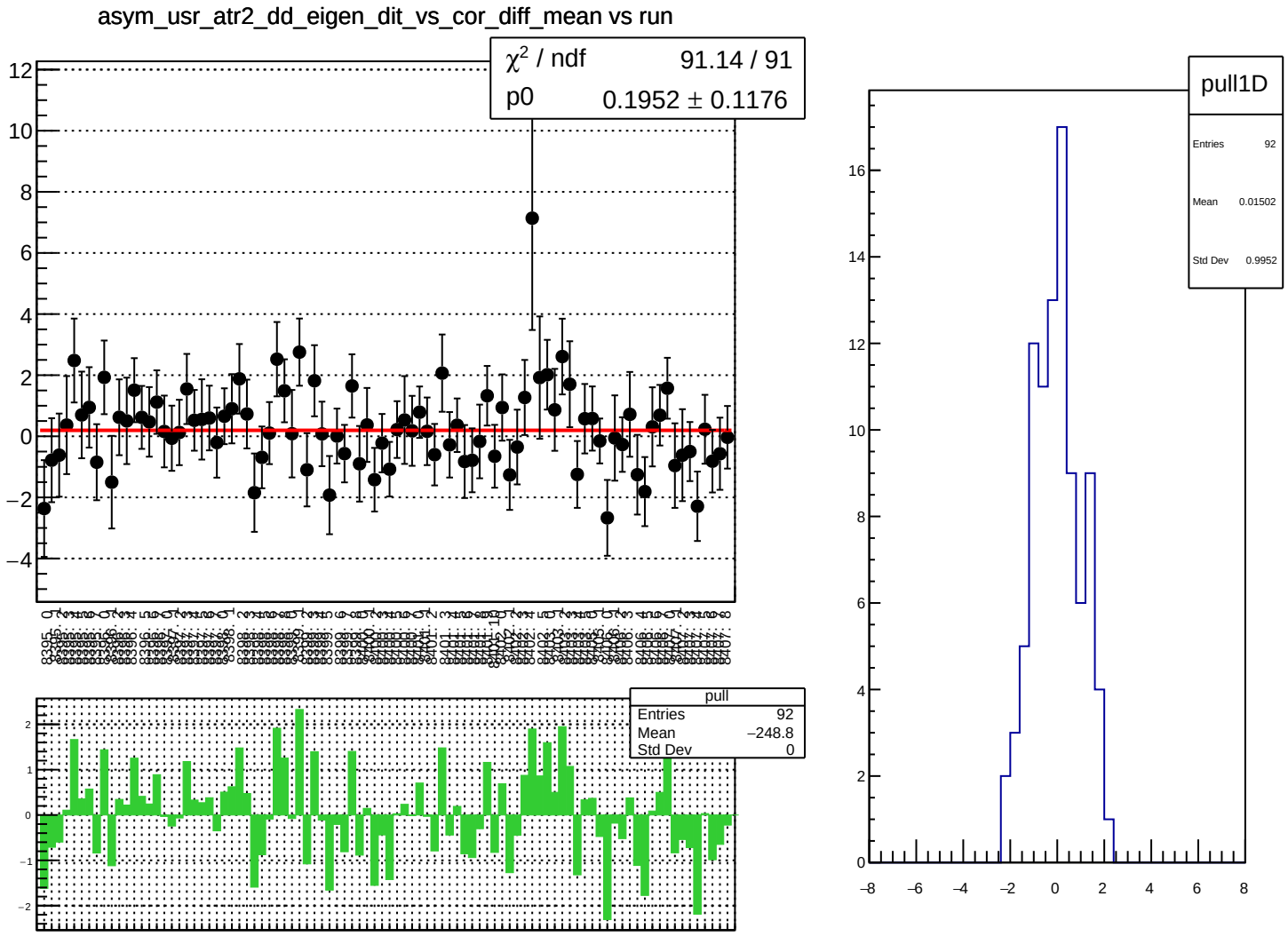

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.15 / 91
p0 0.1951 ± 0.1176
pull
Entries 92
Mean −248.8
Std Dev 0
pull1D
Entries 92
Mean 0.01503
Std Dev 0.9952

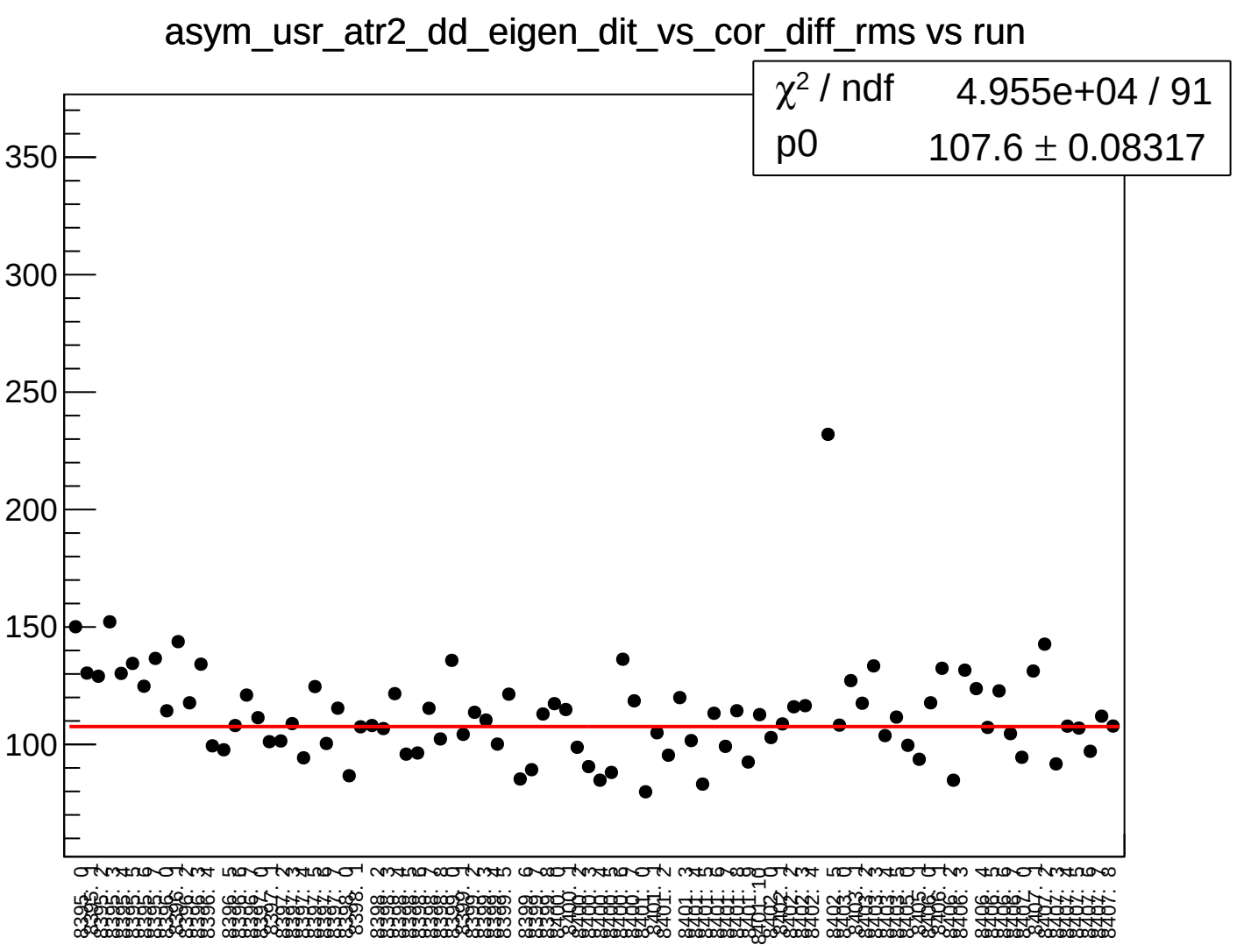

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 91
p0 107.6 ± 0.08317
350
300
250
200
150
100

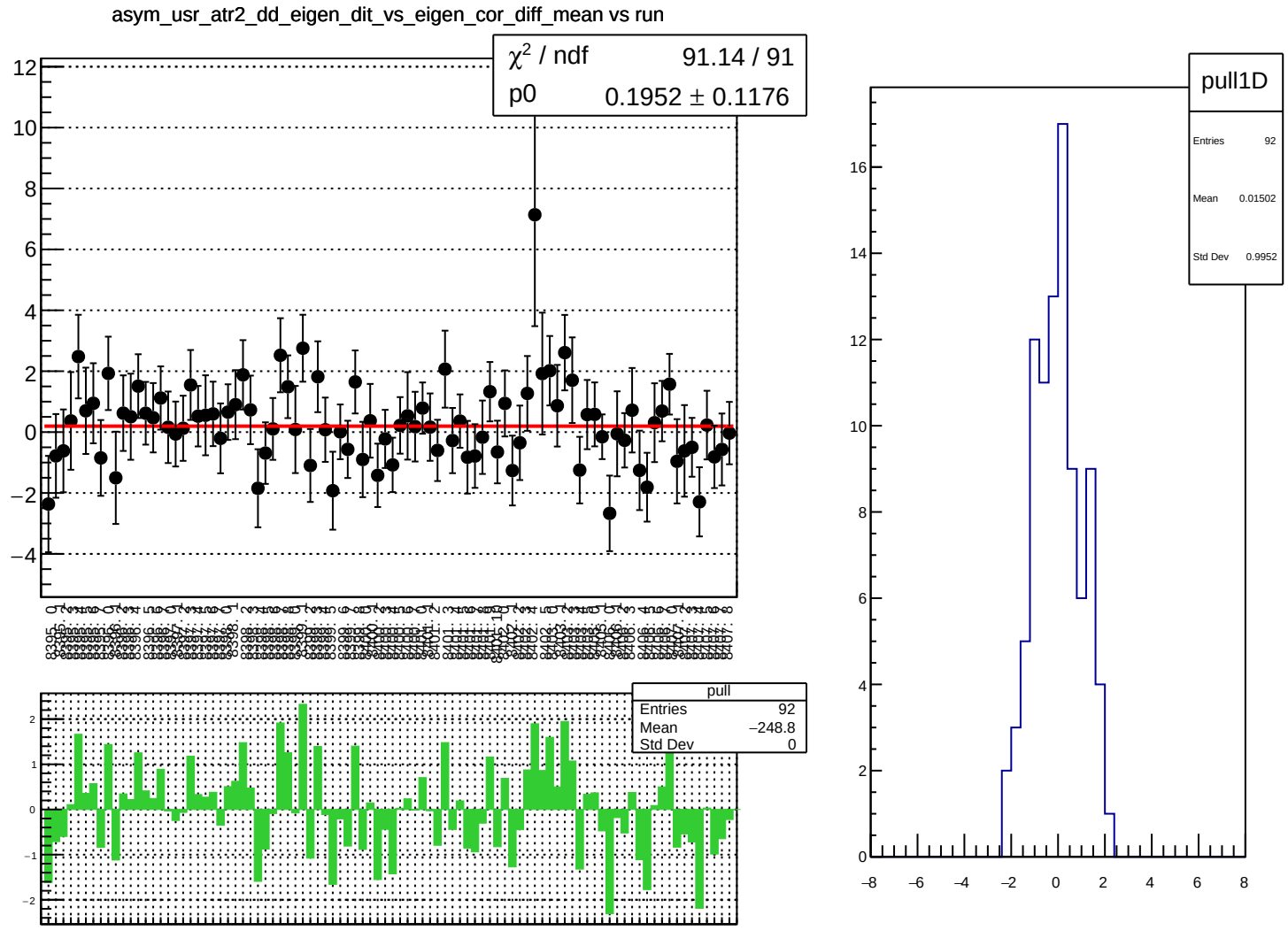

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 83.15 / 91
p0 8.792e−06 ± 1.679e−05
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 92
Mean 218.1
Std Dev 0
2
1
0
−1
−2

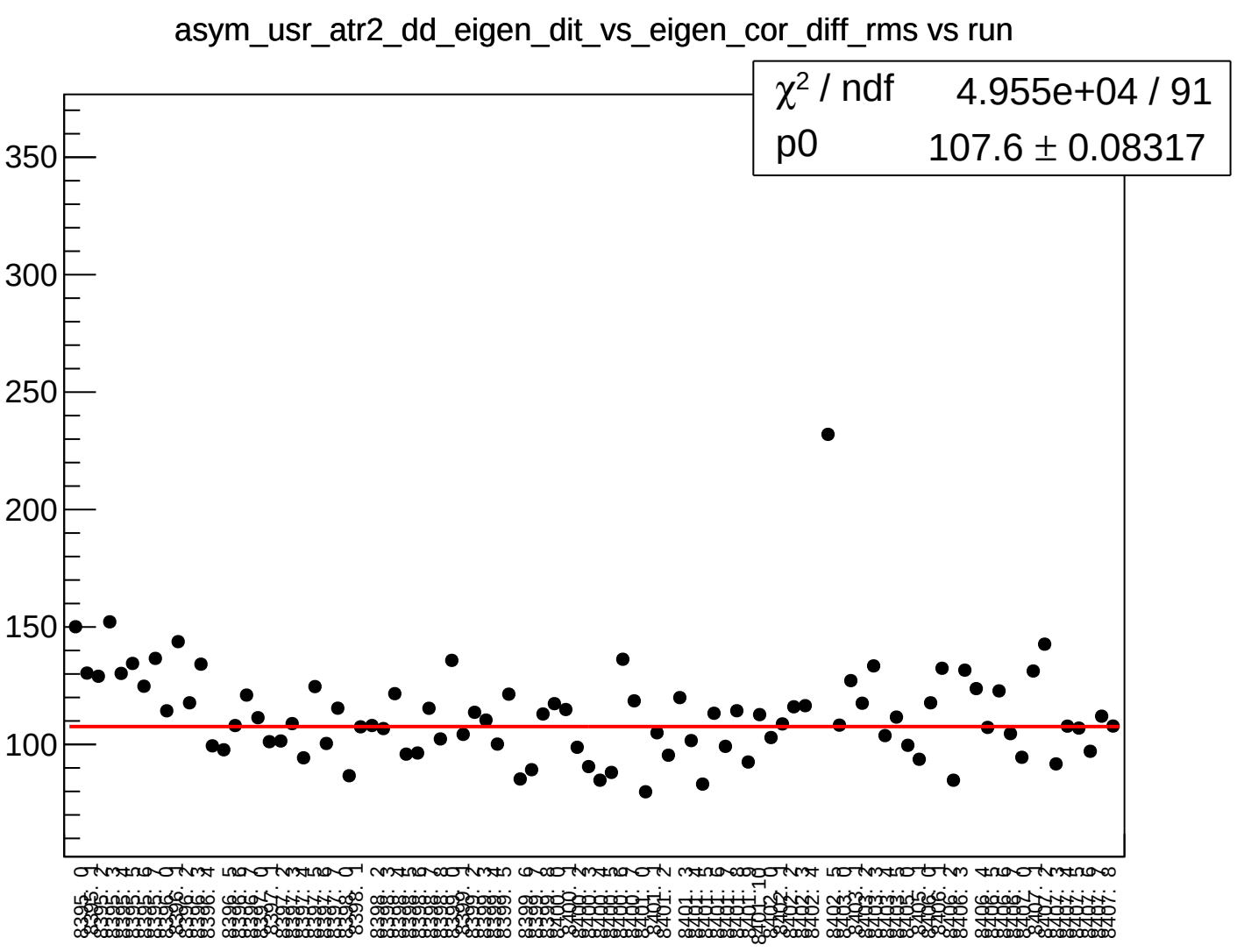

pull1D
Entries 92
Mean 0.00558
Std Dev 0.9507
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

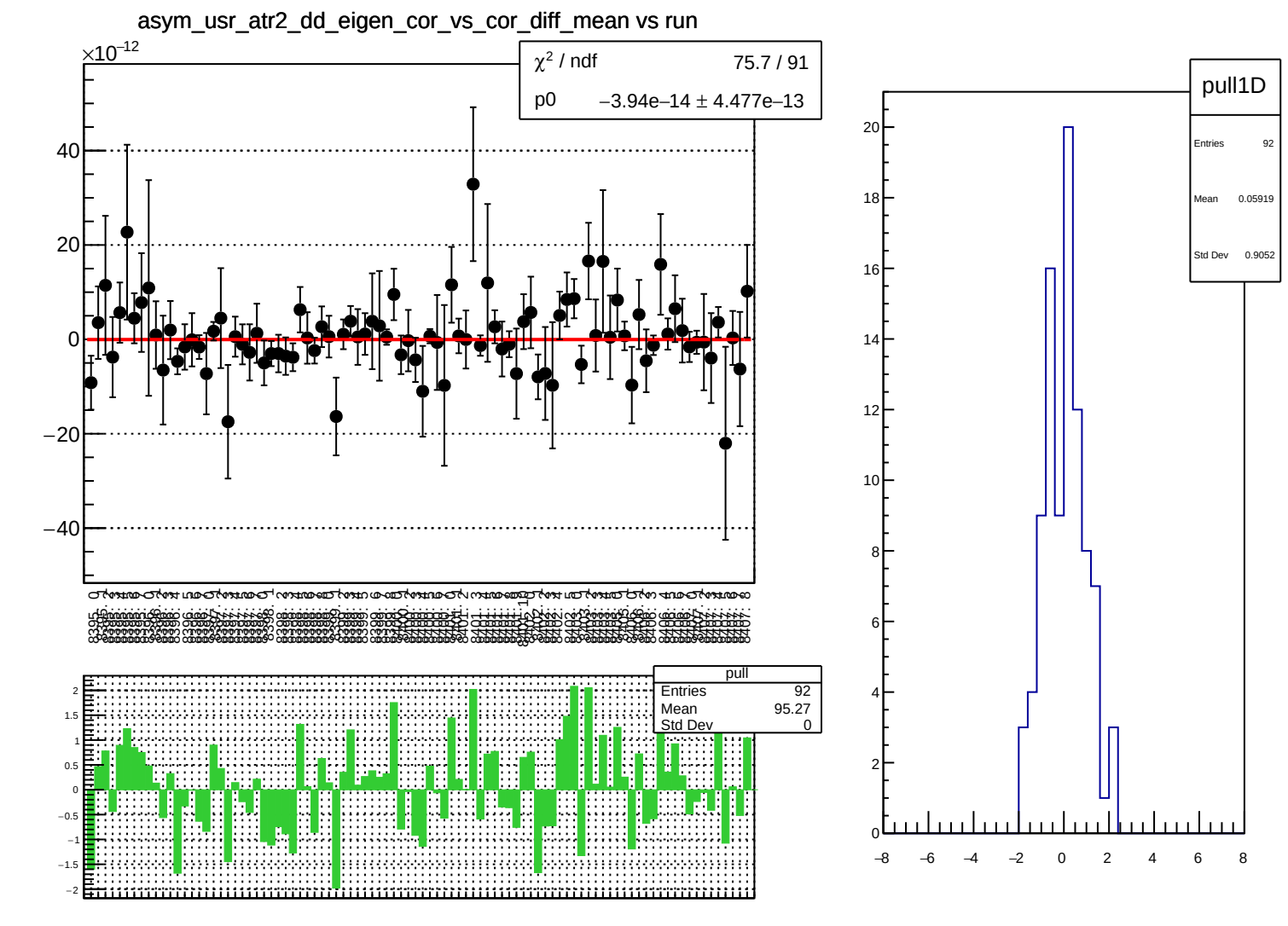

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7397 / 91
p0 0.01556 ± 1.187e–05
0.019
0.018
0.017
0.016
0.015
0.014

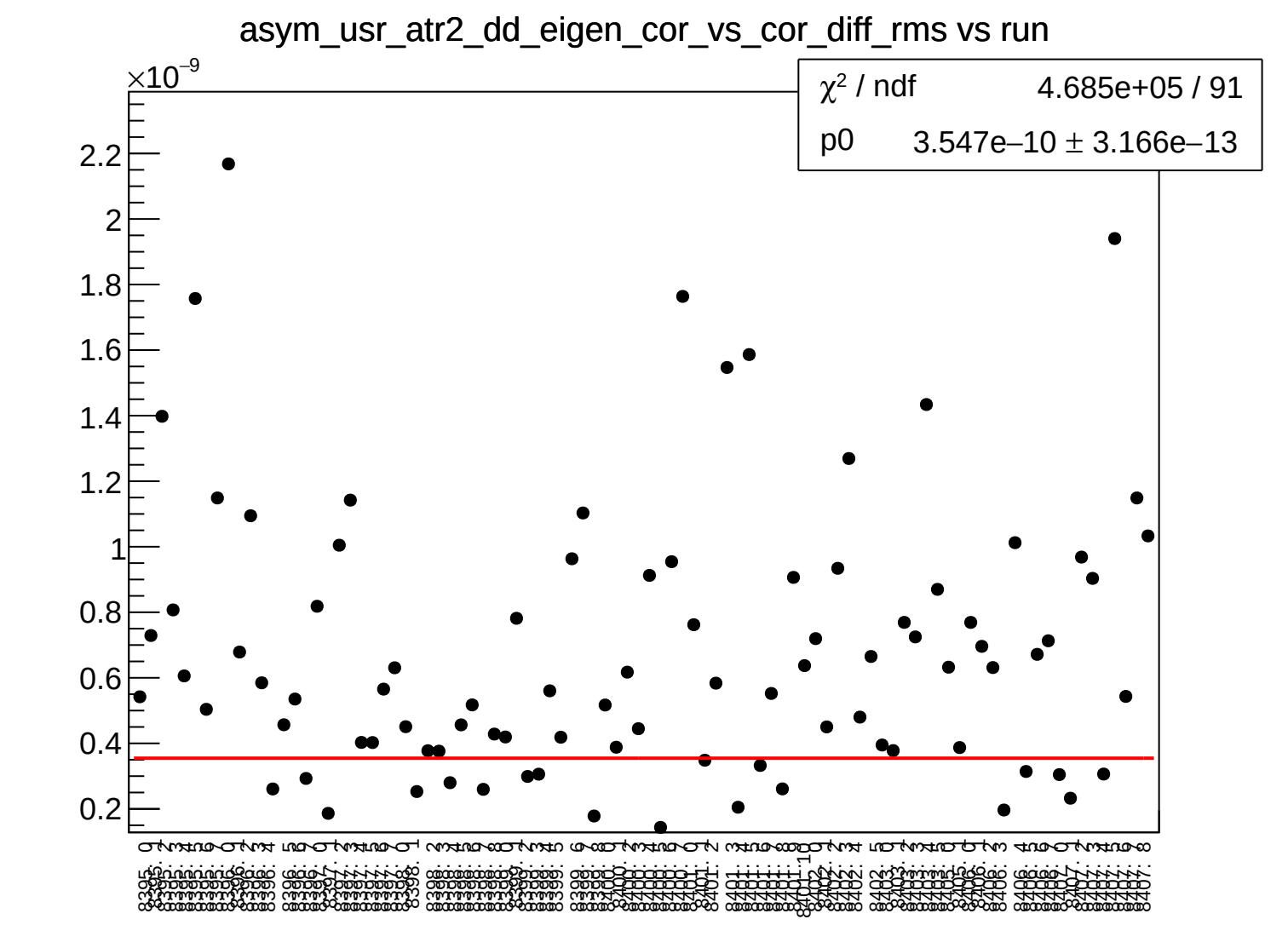

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.14 / 91
p0 0.1952 ± 0.1176
pull
Entries 92
Mean −248.8
Std Dev 0
pull1D
Entries 92
Mean 0.01502
Std Dev 0.9952

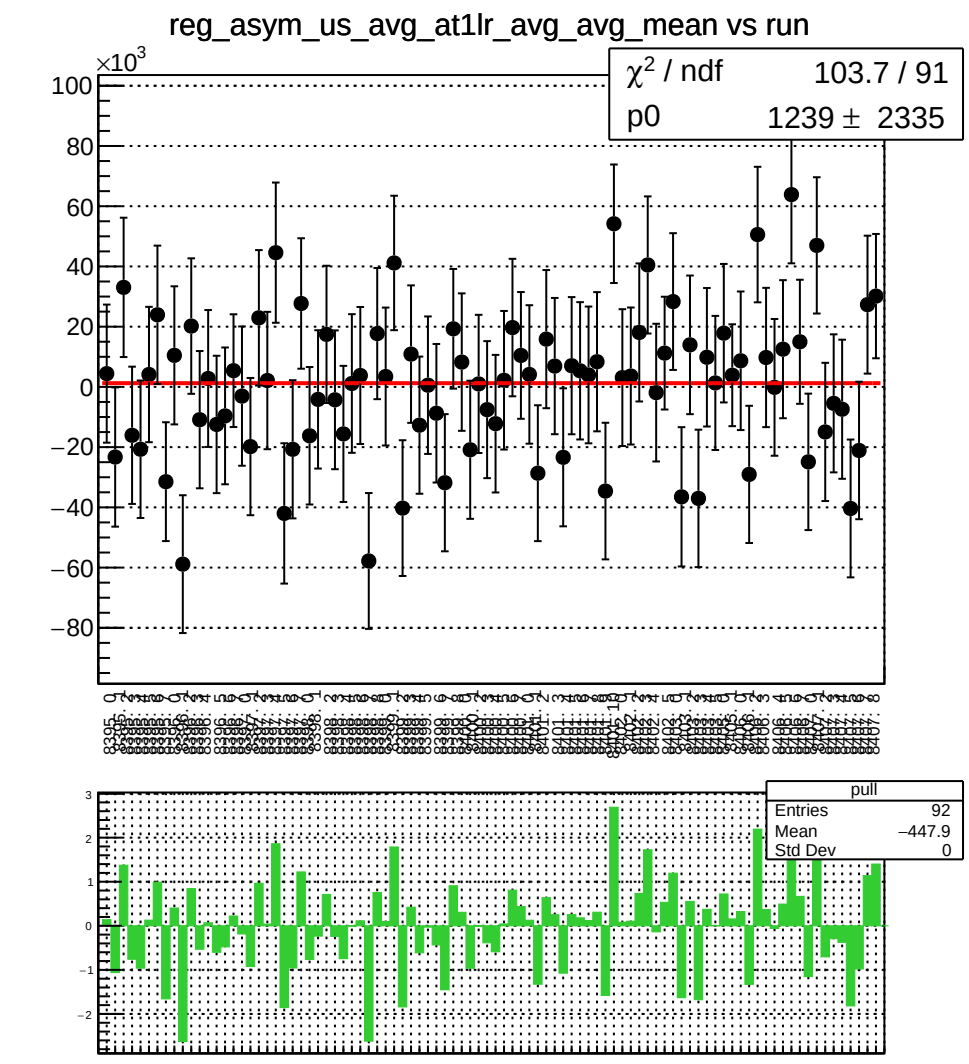

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 91
p0 107.6 ± 0.08317
350
300
250
200
150
100

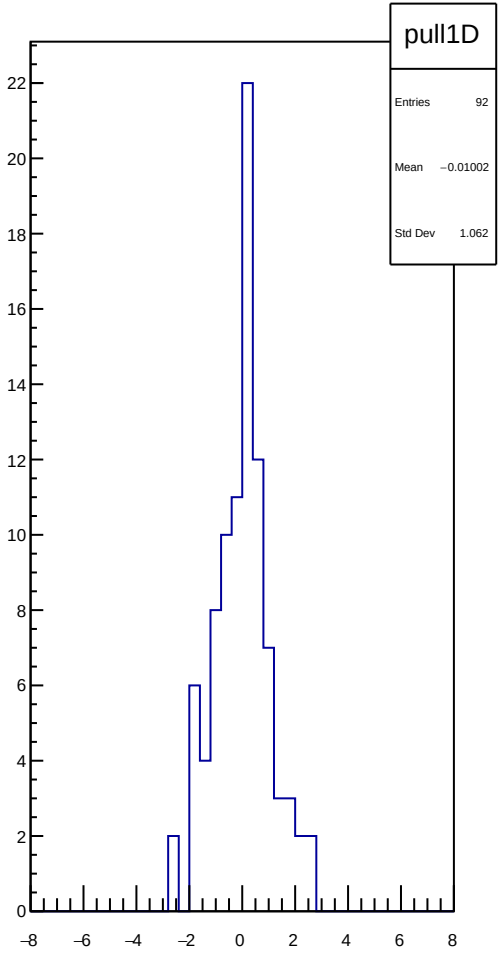

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.14 / 91
p0 0.1952 ± 0.1176
pull
Entries 92
Mean −248.8
Std Dev 0
pull1D
Entries 92
Mean 0.01502
Std Dev 0.9952

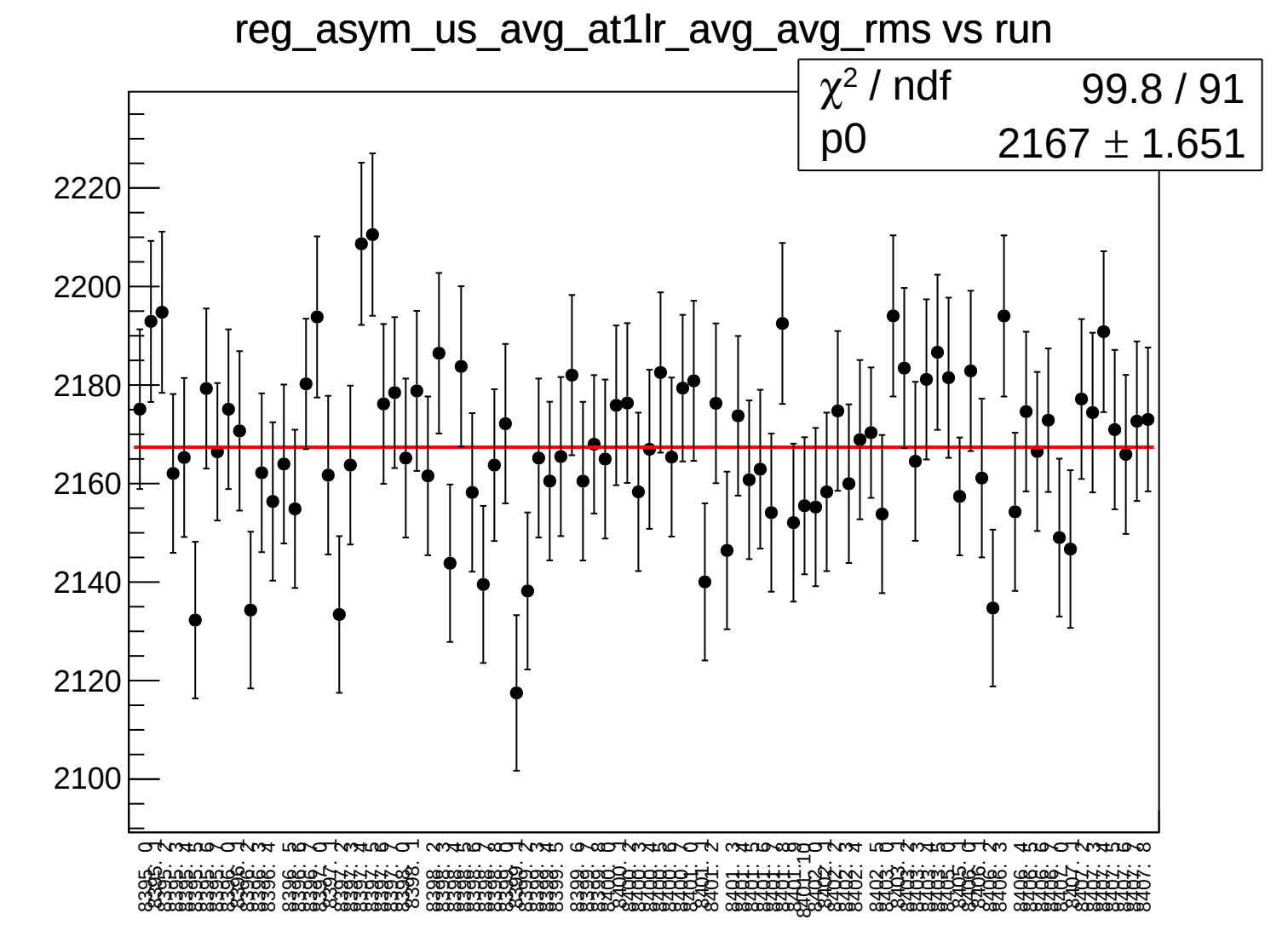

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.955e+04 / 91
p0 107.6 ± 0.08317
350
300
250
200
150
100

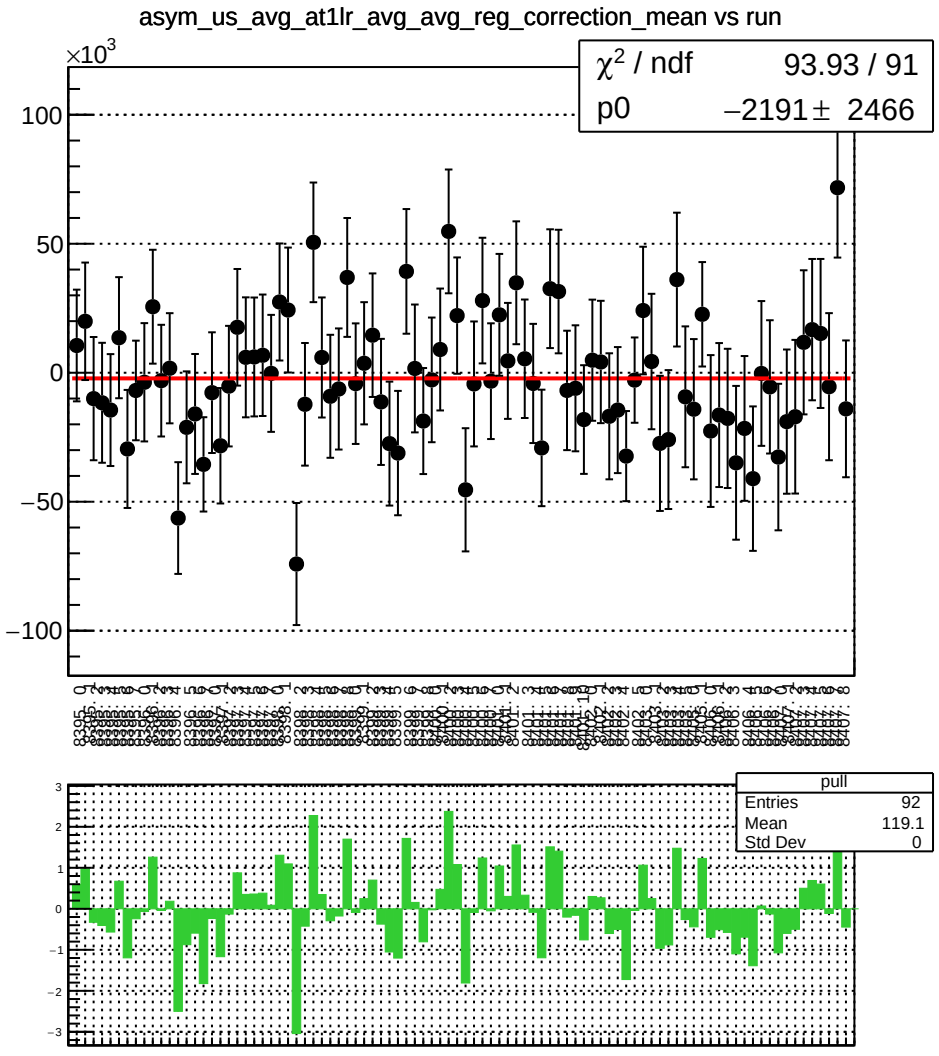

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.7 / 91
p0 −3.94e−14 ± 4.477e−13
40
20
0
−20
−40
pull
Entries 92
Mean 95.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.05919
Std Dev 0.9052
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

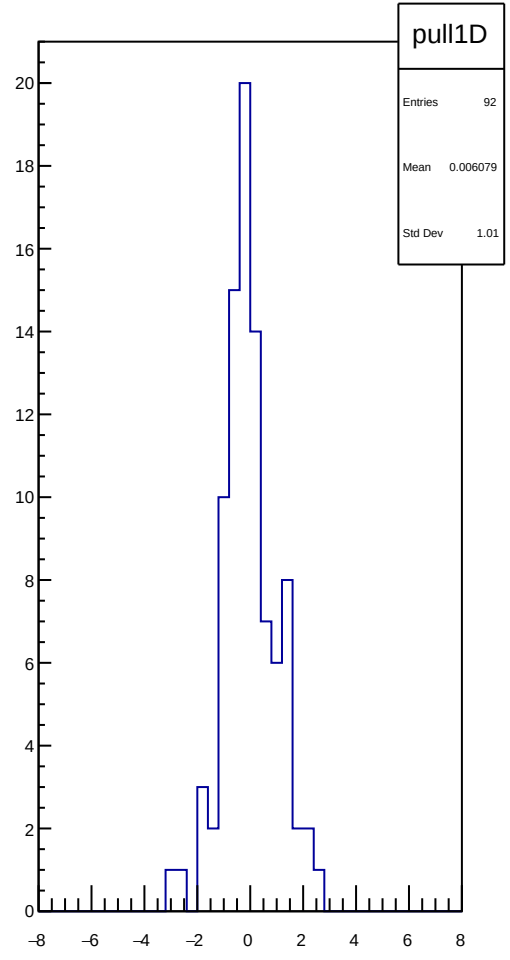

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.685e+05 / 91
p0 3.547e−10 ± 3.166e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

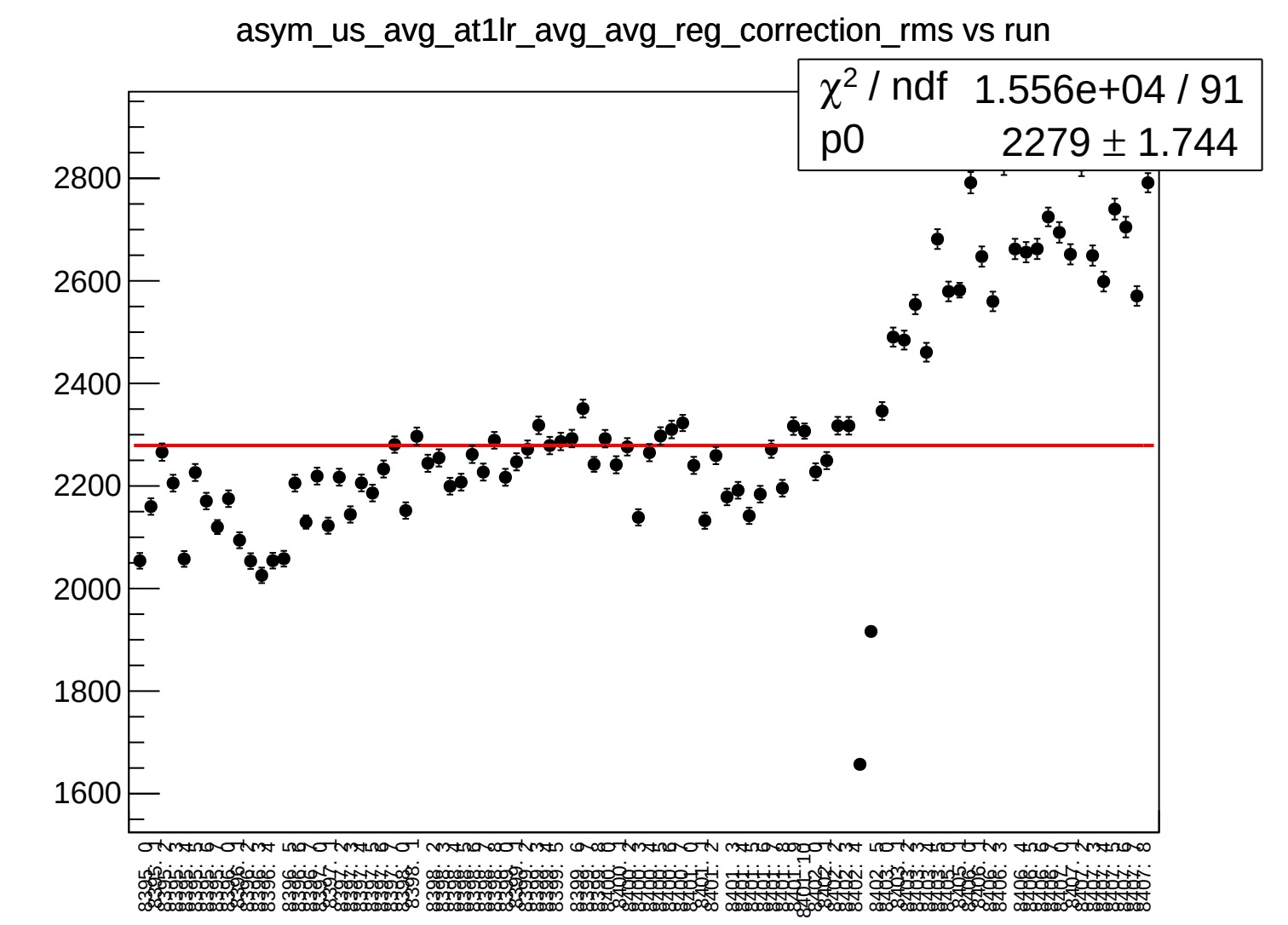

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 103.7 / 91
p0 1239 ± 2335
pull
Entries 92
Mean −447.9
Std Dev 0

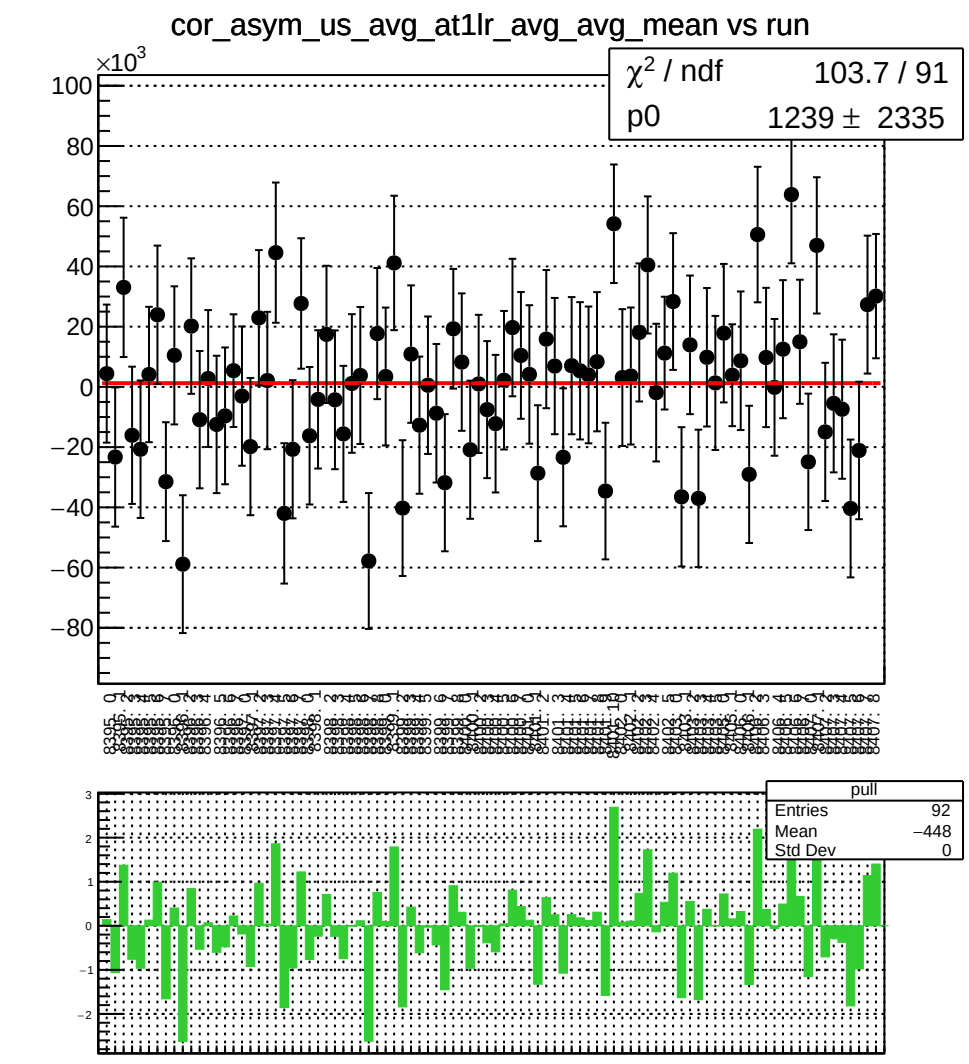

pull1D
Entries 92
Mean −0.01002
Std Dev 1.062

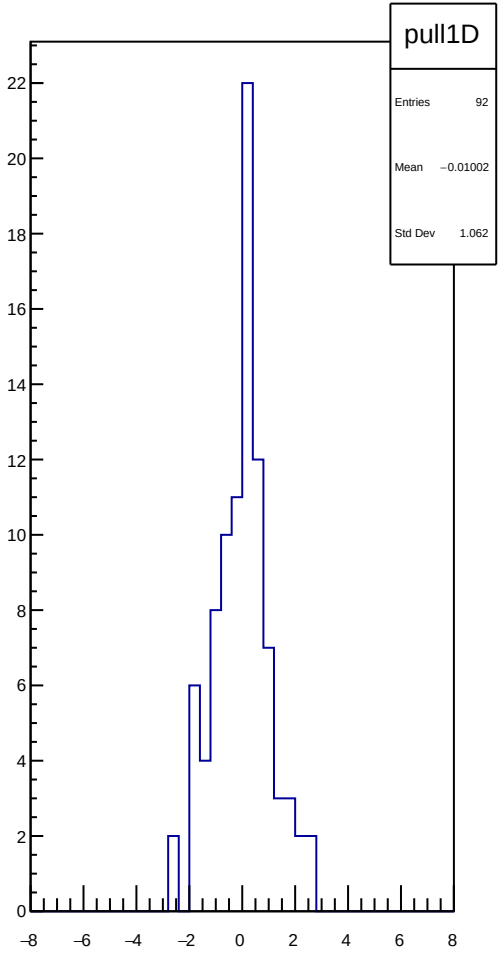

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 99.8 / 91
p0 2167 ± 1.651
2220
2200
2180
2160
2140
2120
2100

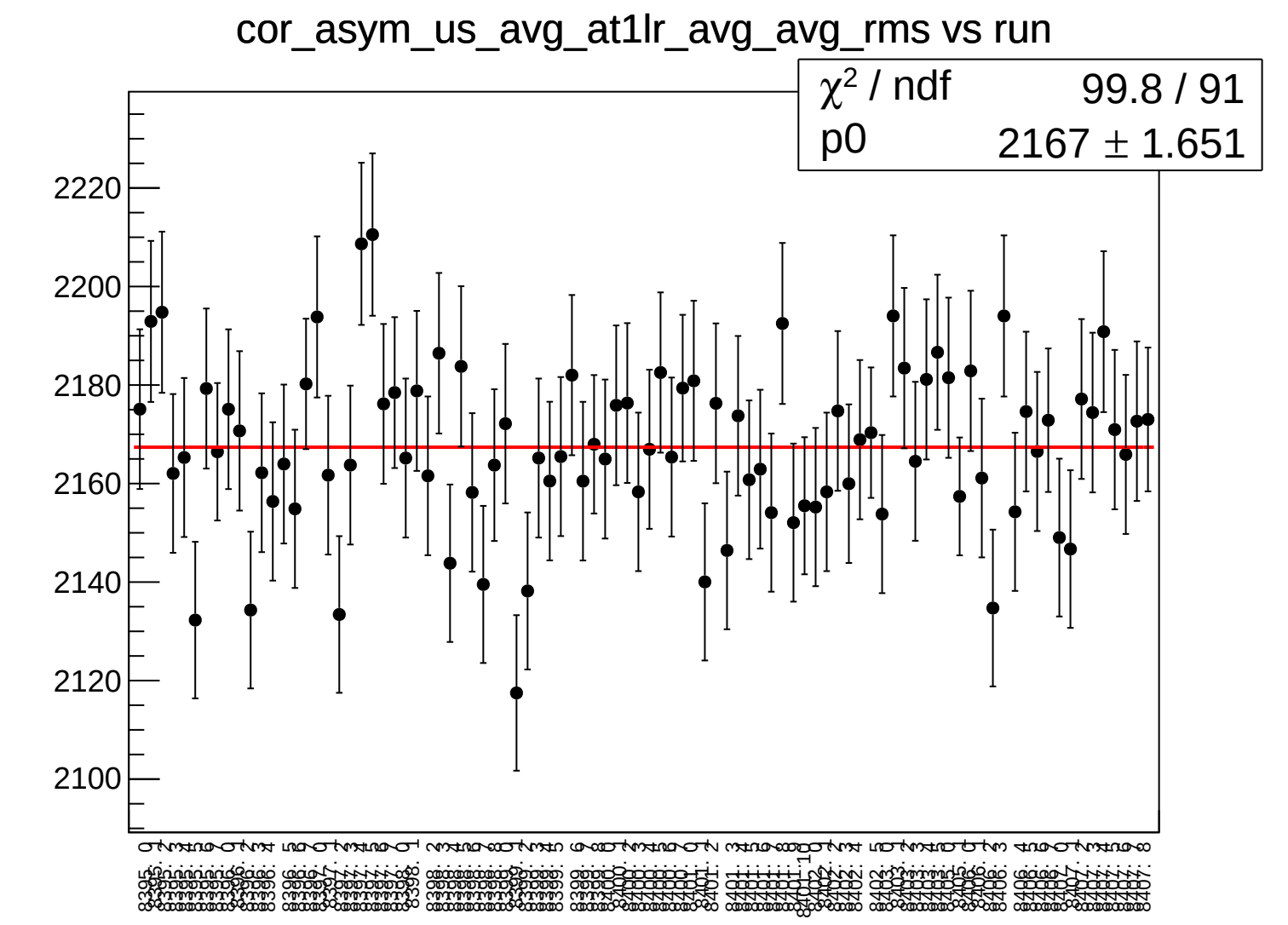

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 93.93 / 91
p0 −2191 ± 2466
100
50
0
−50
−100
pull
Entries 92
Mean 119.1
Std Dev 0
3
2
1
0
−1
−2
−3

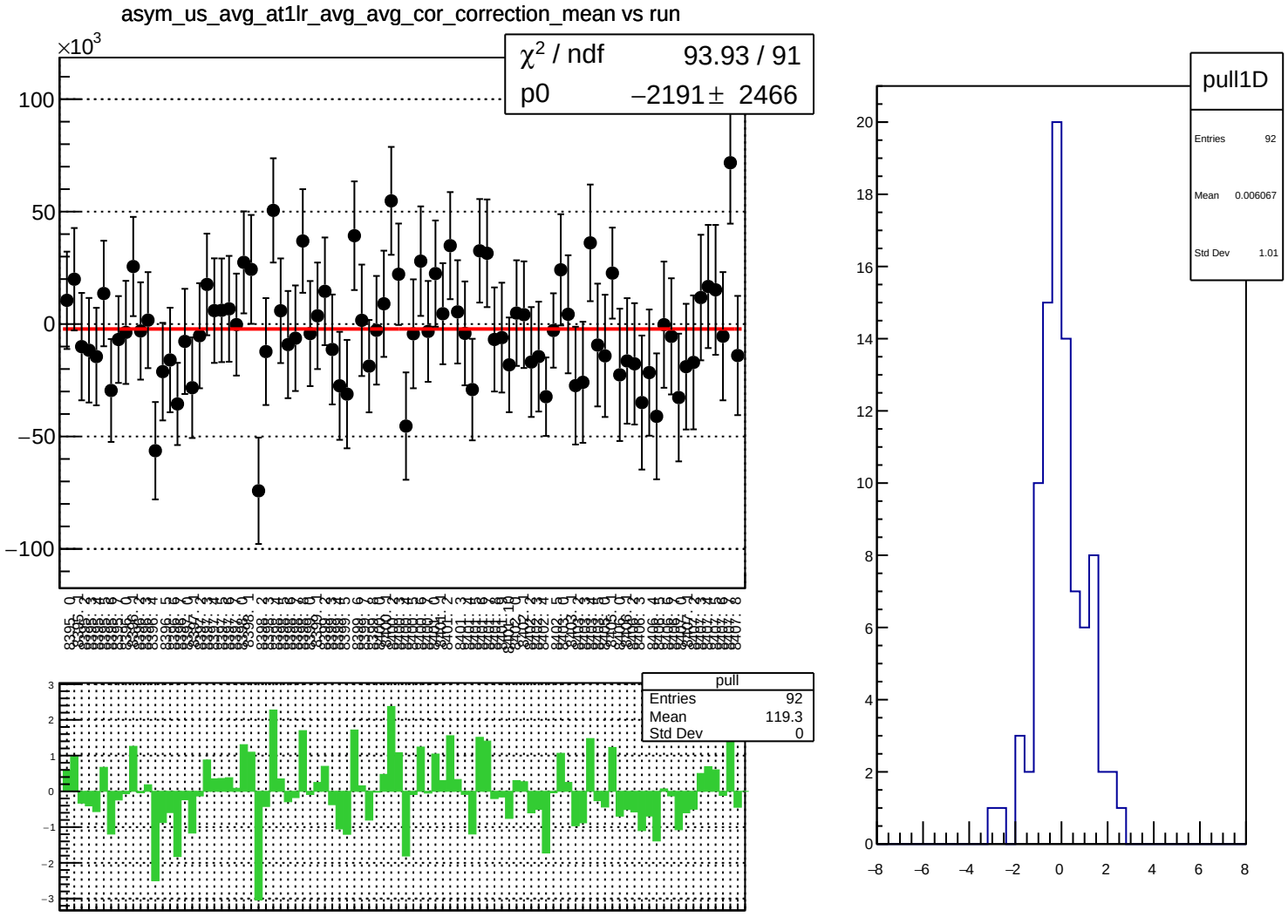

pull1D
Entries 92
Mean 0.006079
Std Dev 1.01
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

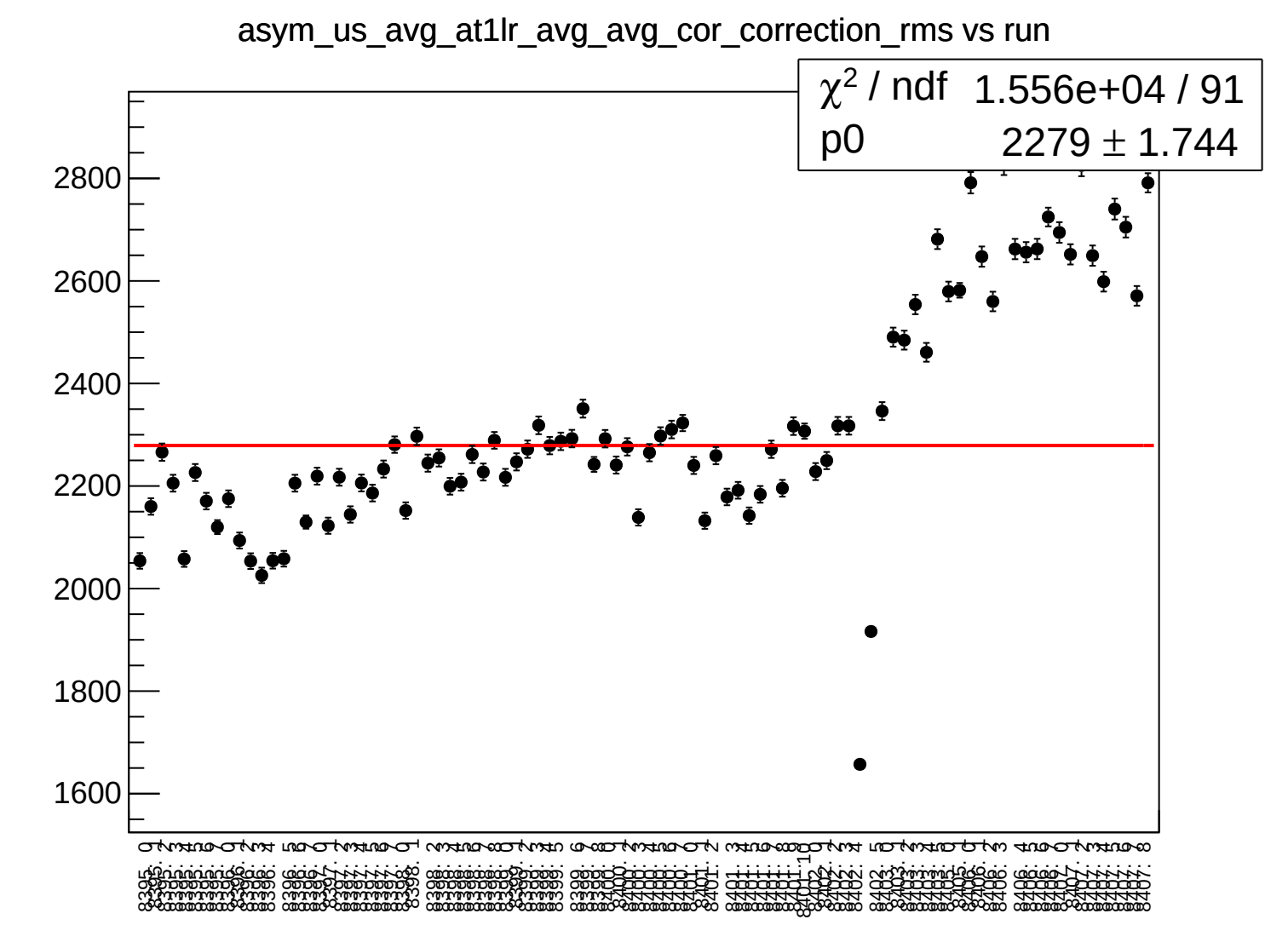

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1.556e+04 / 91
p0 2279 ± 1.744
2800
2600
2400
2200
2000
1800
1600

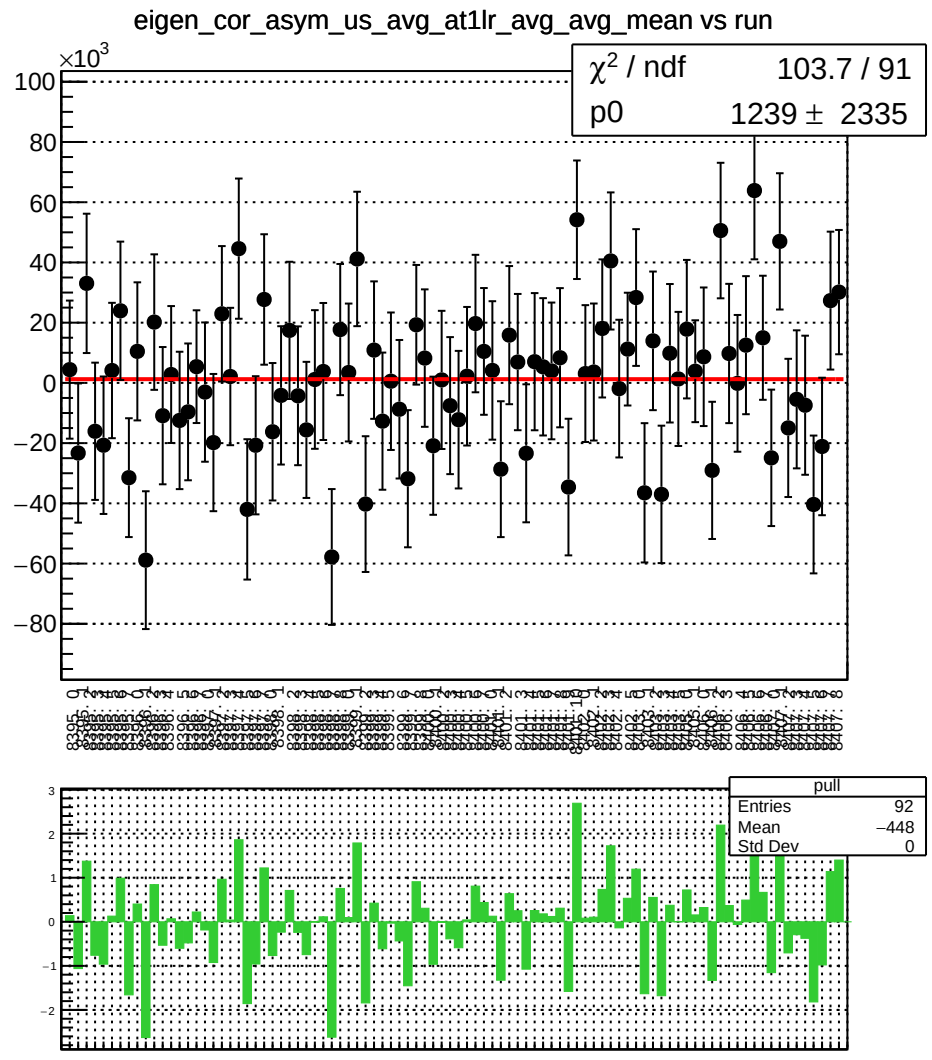

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 103.7 / 91
p0 1239 ± 2335
pull
Entries 92
Mean −448
Std Dev 0

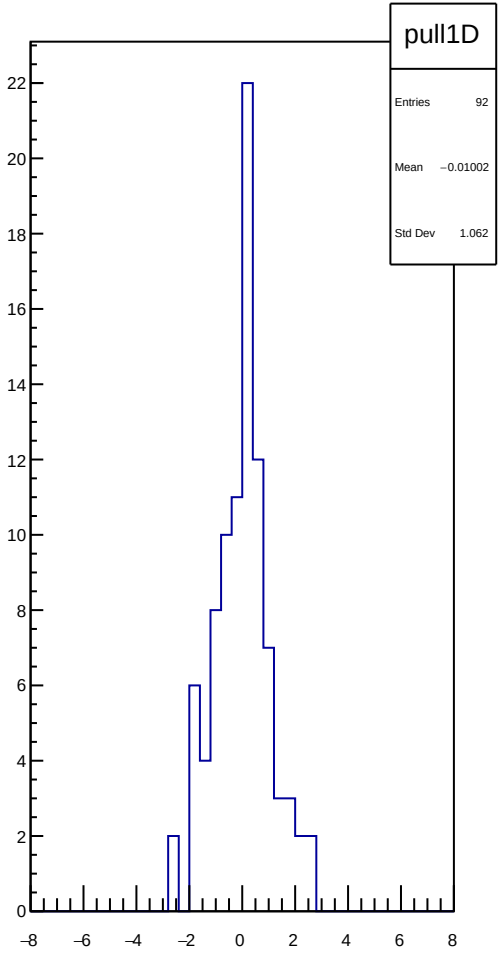

pull1D
Entries 92
Mean −0.01002
Std Dev 1.062

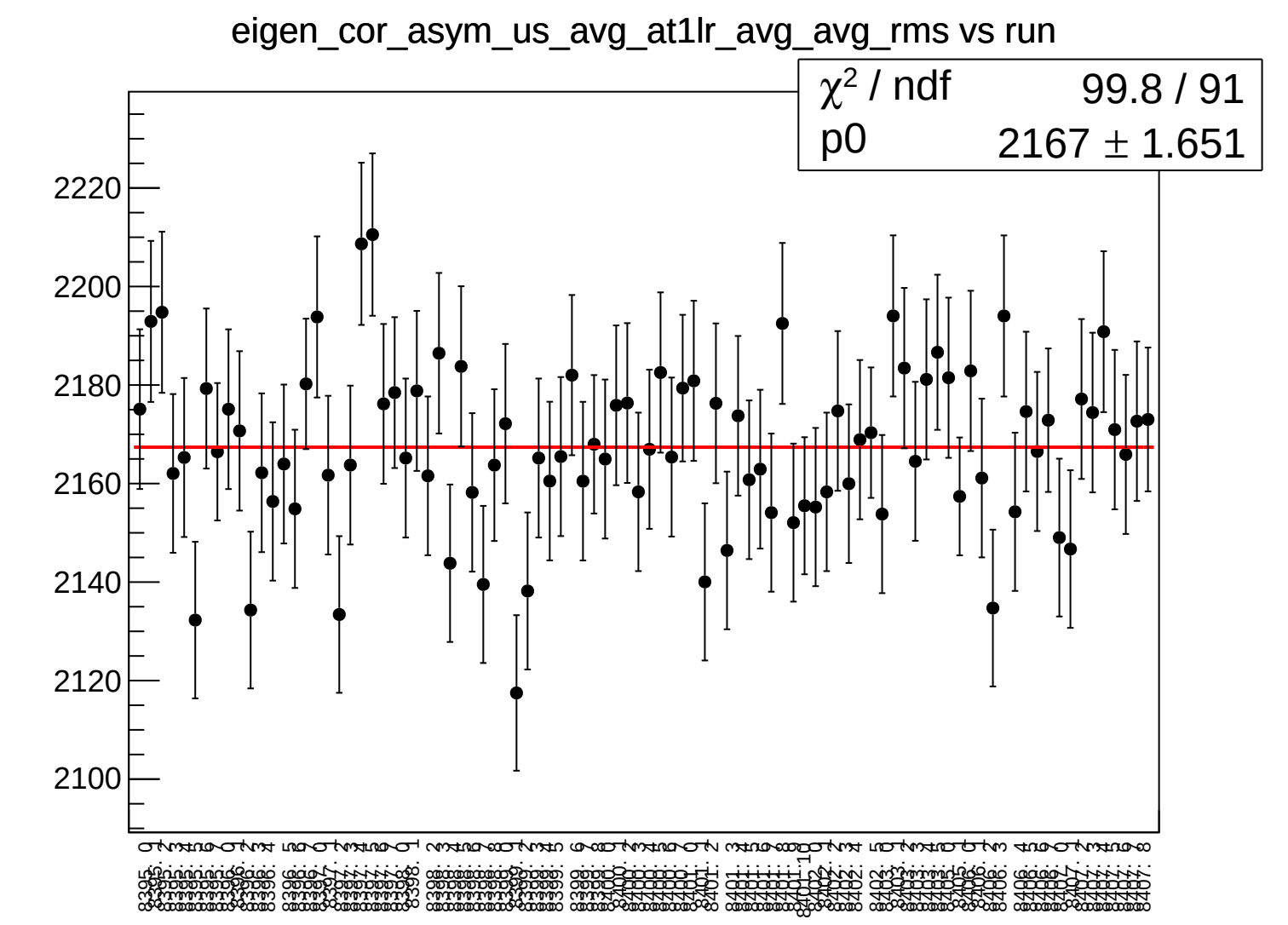

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 99.8 / 91
p0 2167 ± 1.651
2220
2200
2180
2160
2140
2120
2100

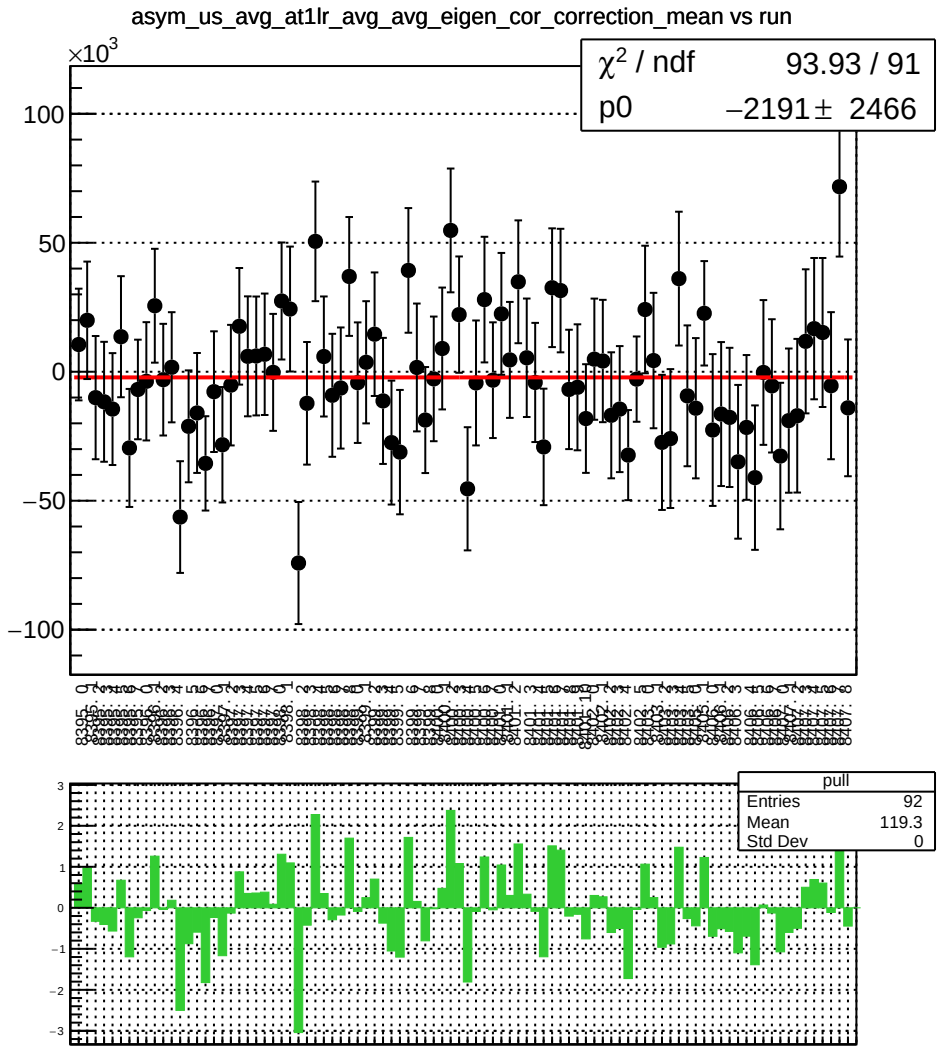

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 93.93 / 91
p0 −2191 ± 2466
100
50
0
−50
−100
pull
Entries 92
Mean 119.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.006067
Std Dev 1.01
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

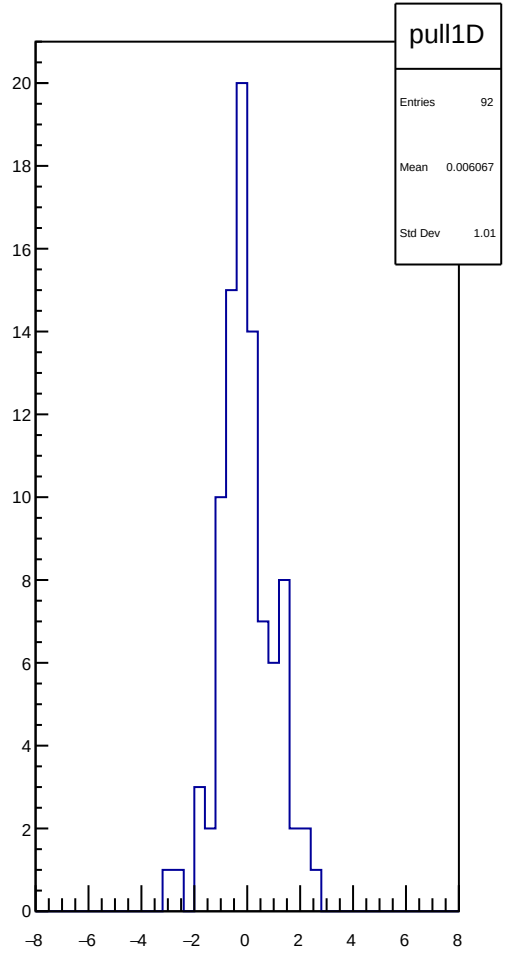

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1.556e+04 / 91
p0 2279 ± 1.744
2800
2600
2400
2200
2000
1800
1600

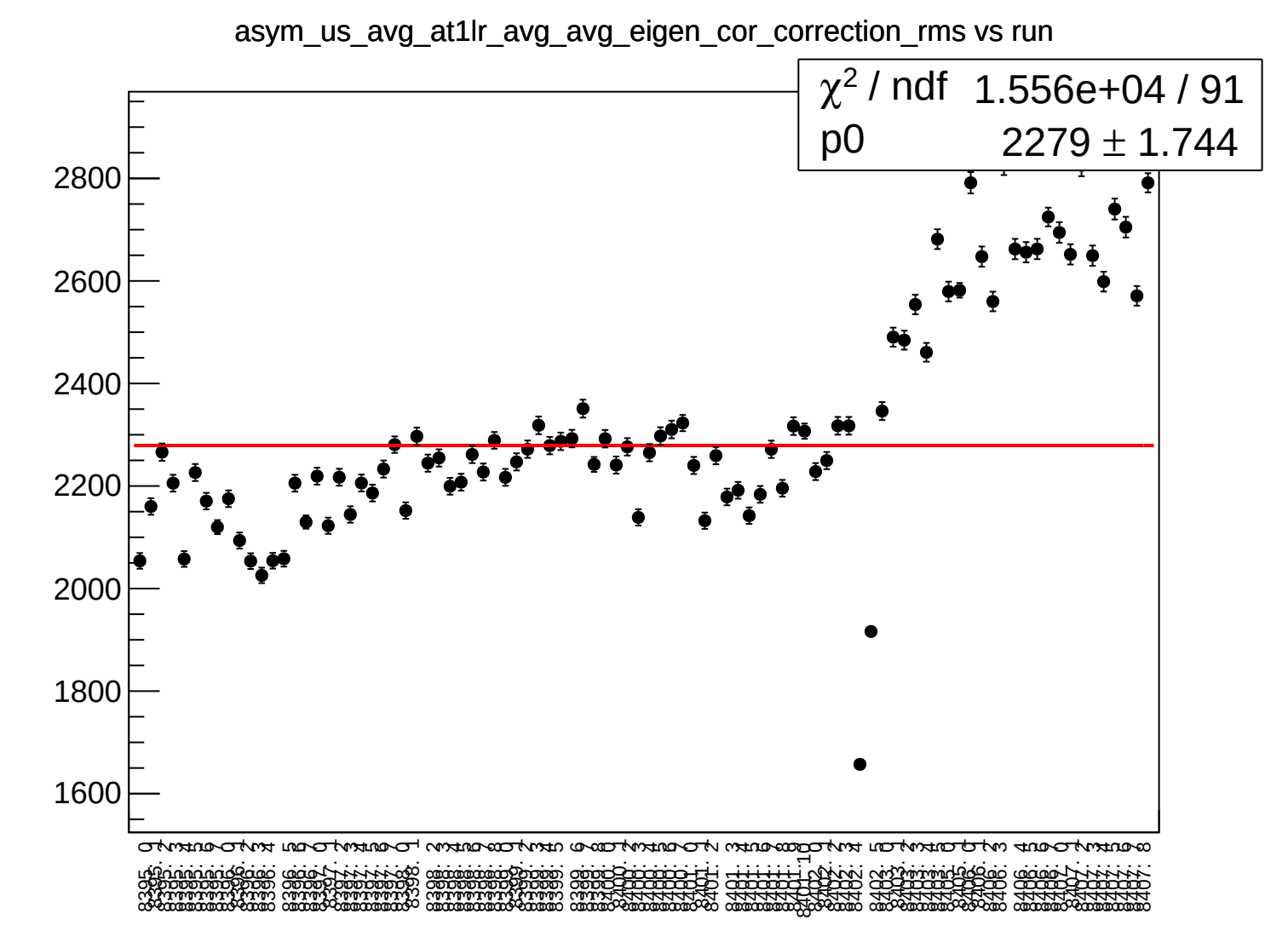

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 103.7 / 91
p0 1239 ± 2335
pull
Entries 92
Mean −448
Std Dev 0

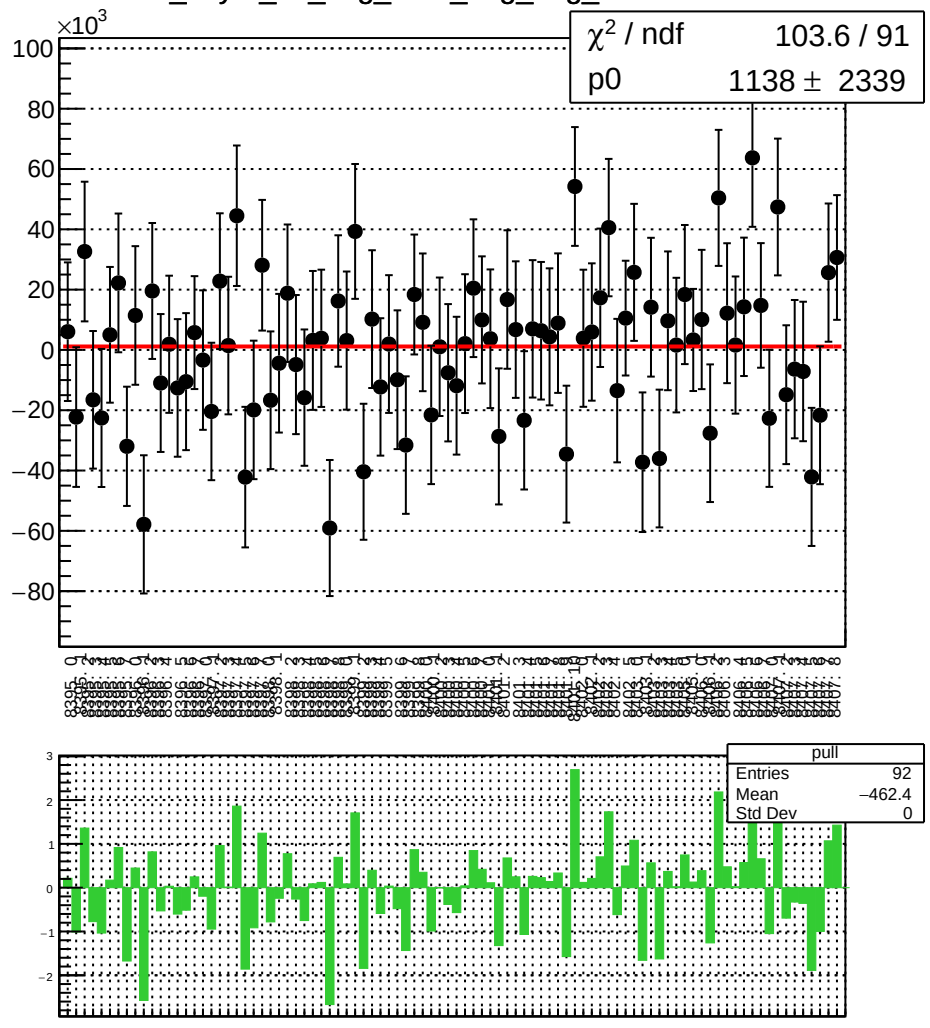

pull1D
Entries 92
Mean −0.01002
Std Dev 1.062

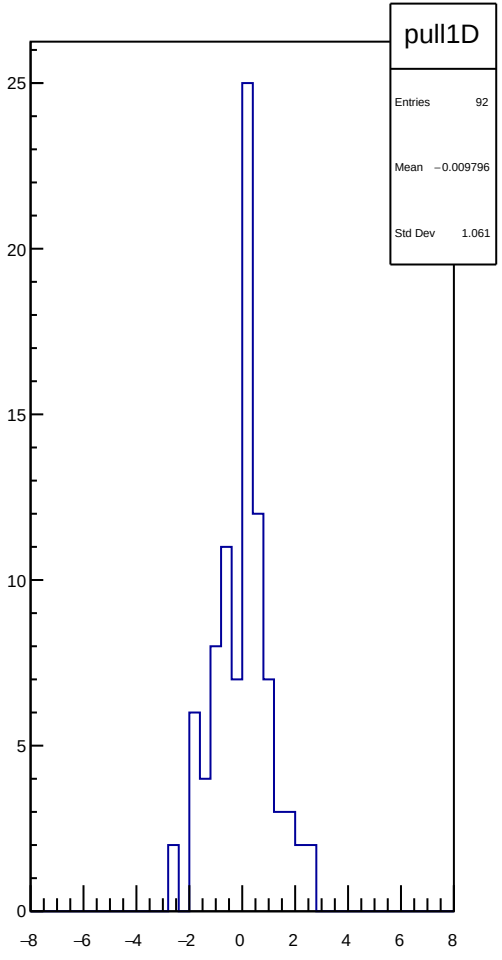

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 99.8 / 91
p0 2167 ± 1.651
2220
2200
2180
2160
2140
2120
2100

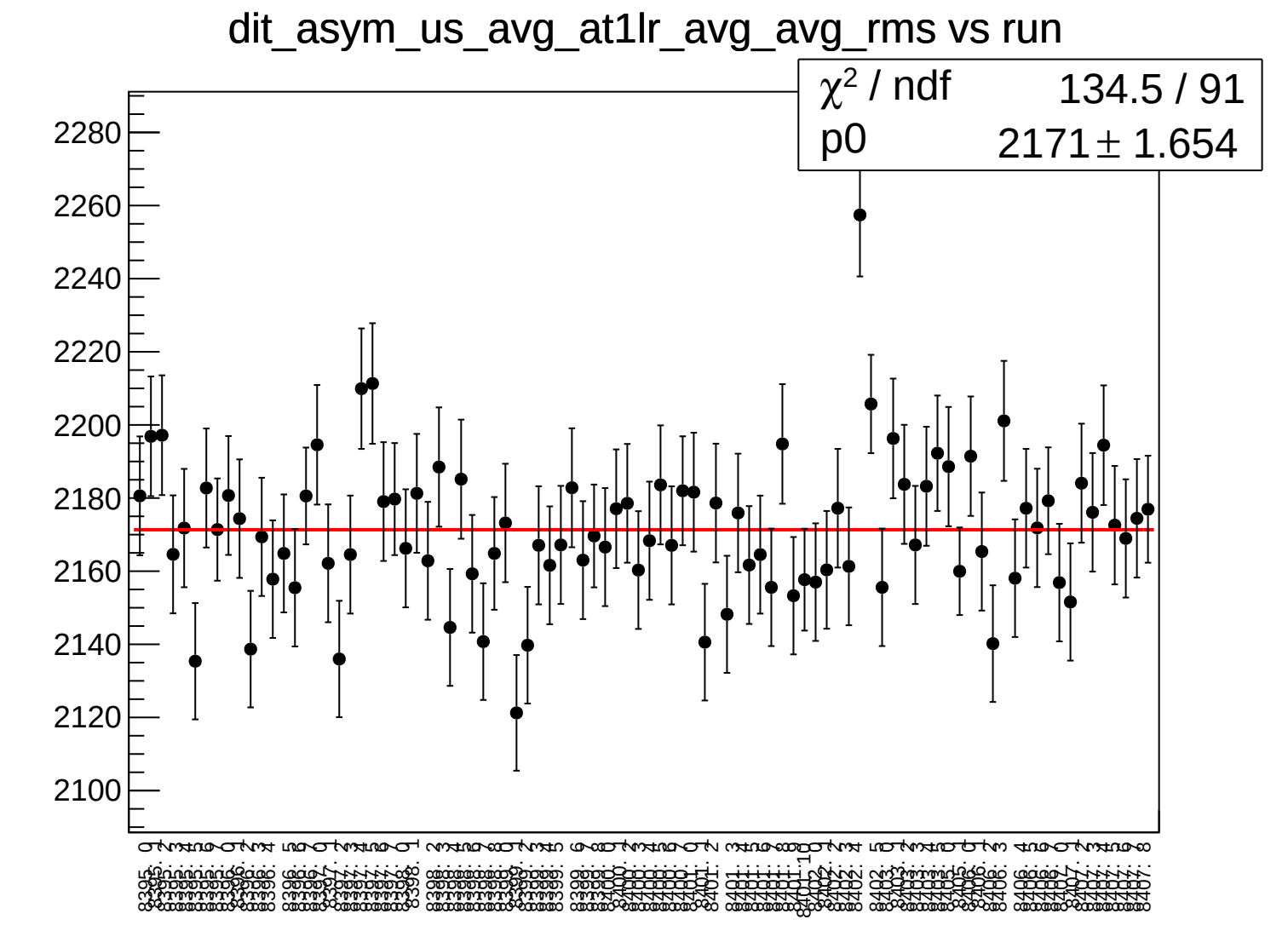

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.93 / 91
p0 −2191 ± 2466
100
50
0
−50
−100
pull
Entries 92
Mean 119.3
Std Dev 0
3
2
1
0
−1
−2
−3

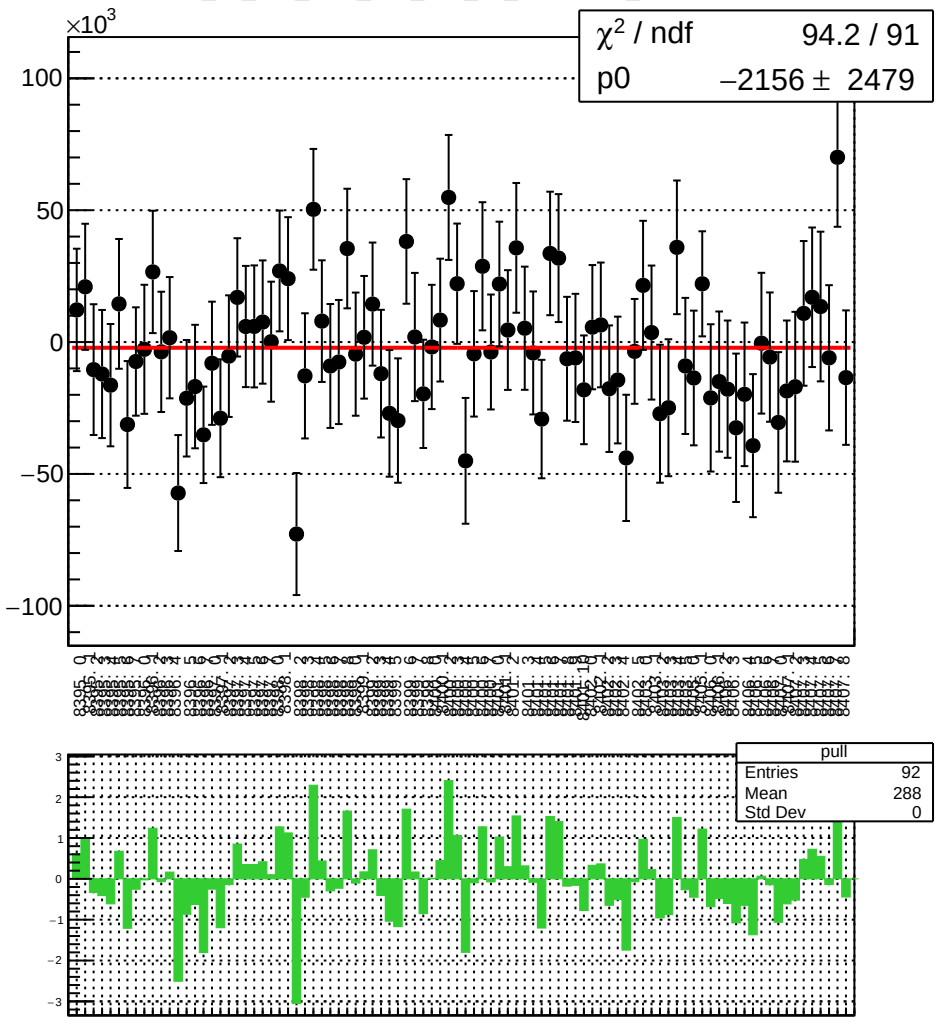

pull1D
Entries 92
Mean 0.006067
Std Dev 1.01
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

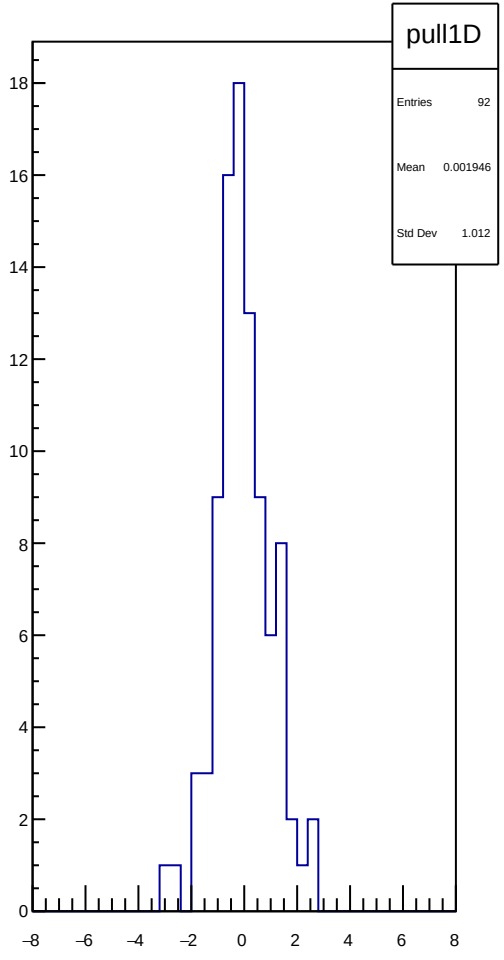

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.556e+04 / 91
p0 2279 ± 1.744
2800
2600
2400
2200
2000
1800
1600

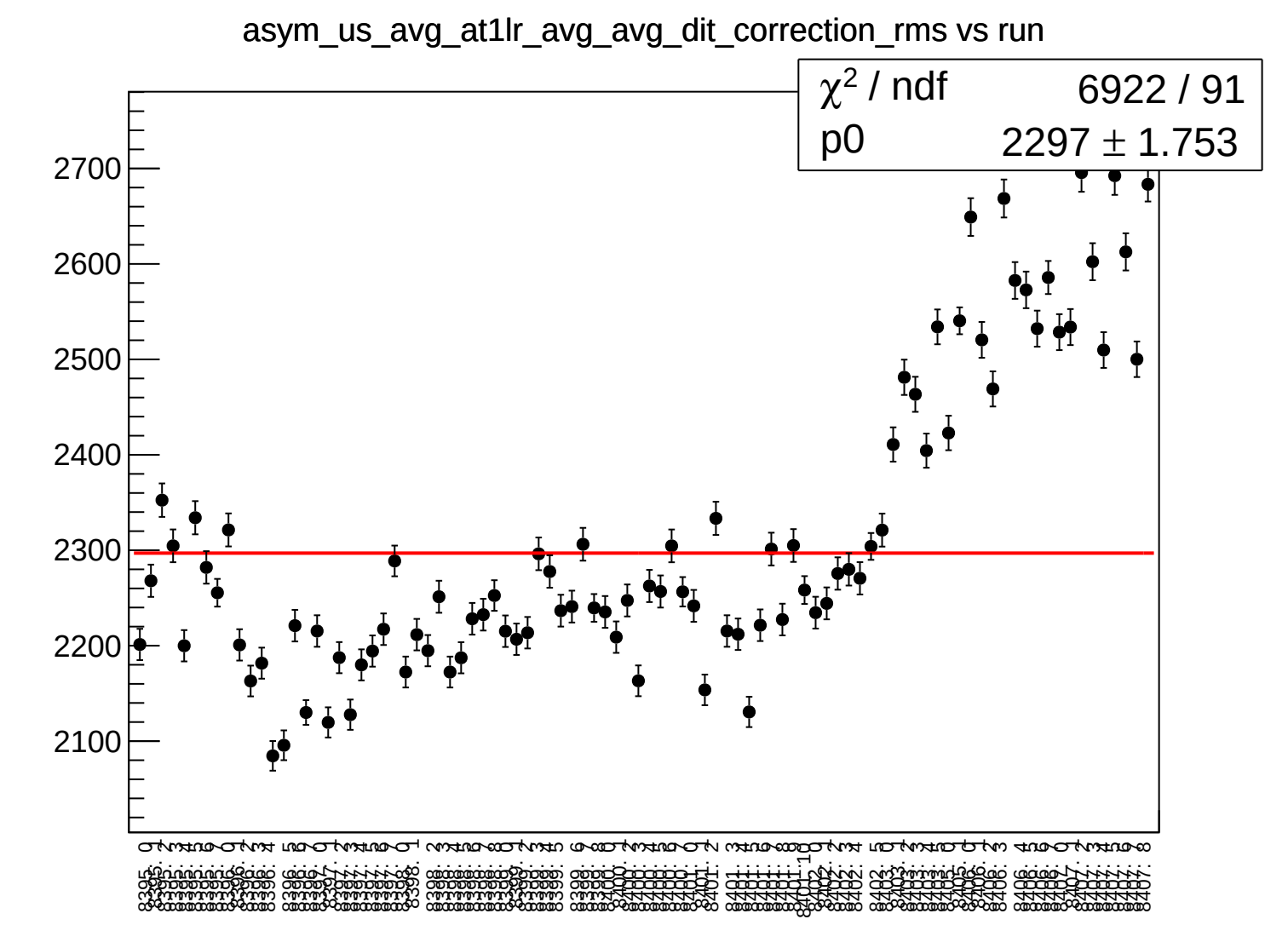

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 103.6 / 91
p0 1138 ± 2339
pull
Entries 92
Mean −462.4
Std Dev 0

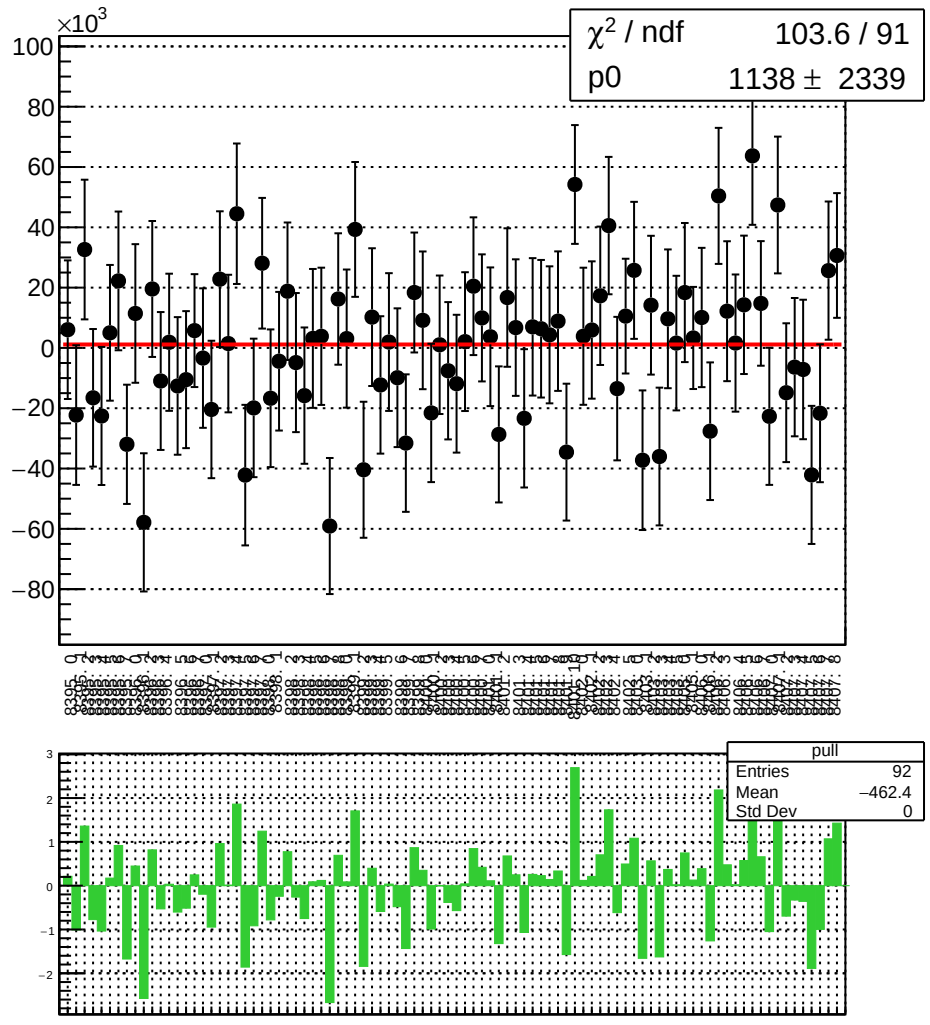

pull1D
Entries 92
Mean −0.009796
Std Dev 1.061

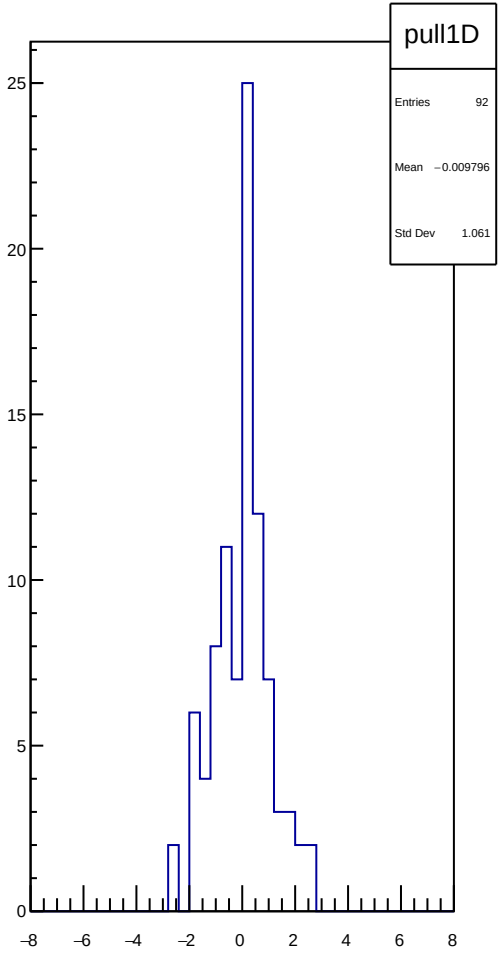

dit_asym_us_avg_at1lr_avg_avg_rms vs run
$\chi^2$ / ndf 134.5 / 91
p0 2171 ± 1.654
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

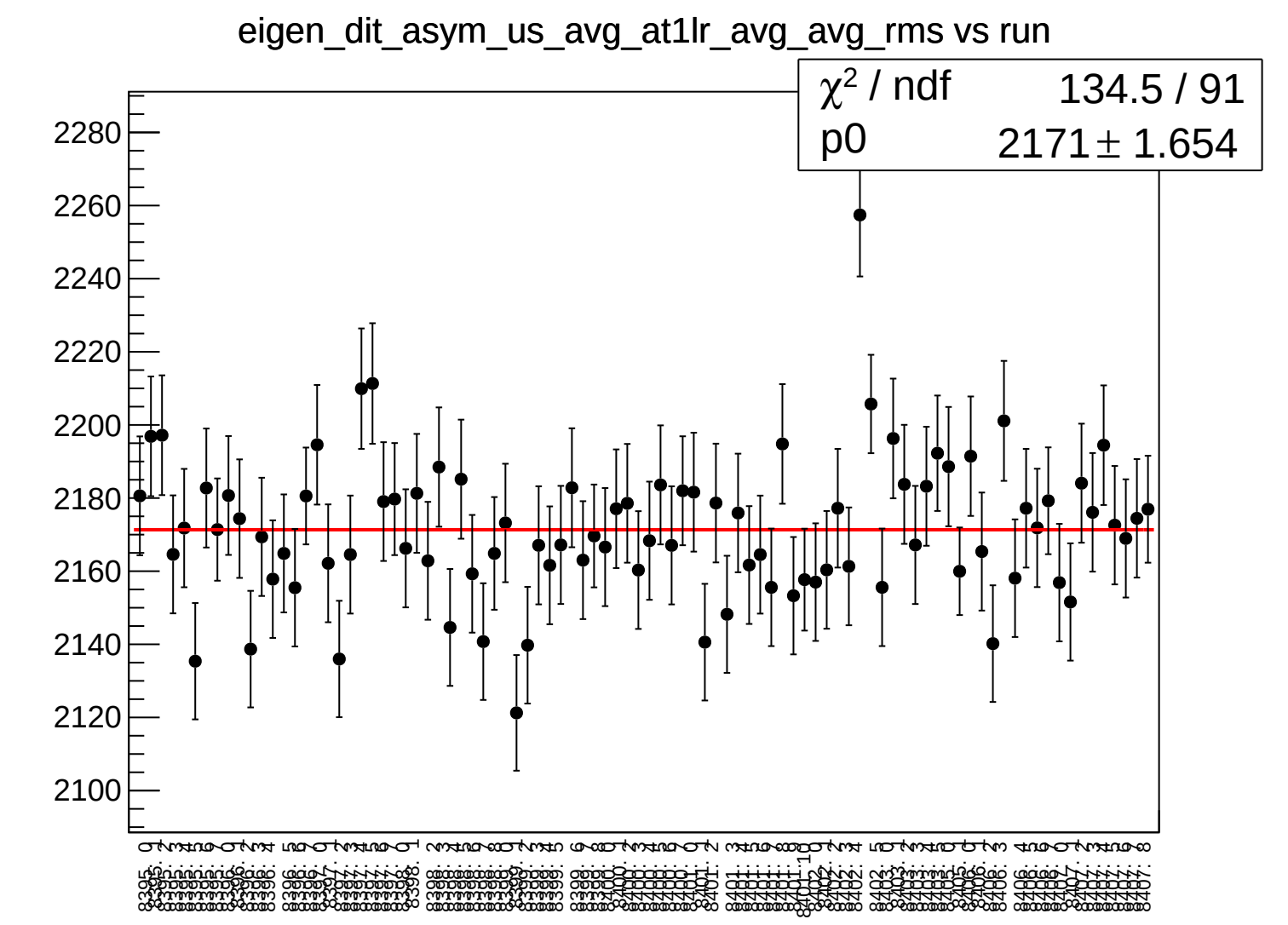

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 94.2 / 91
p0 −2156 ± 2479
100
50
0
−50
−100
pull
Entries 92
Mean 288
Std Dev 0
3
2
1
0
−1
−2
−3

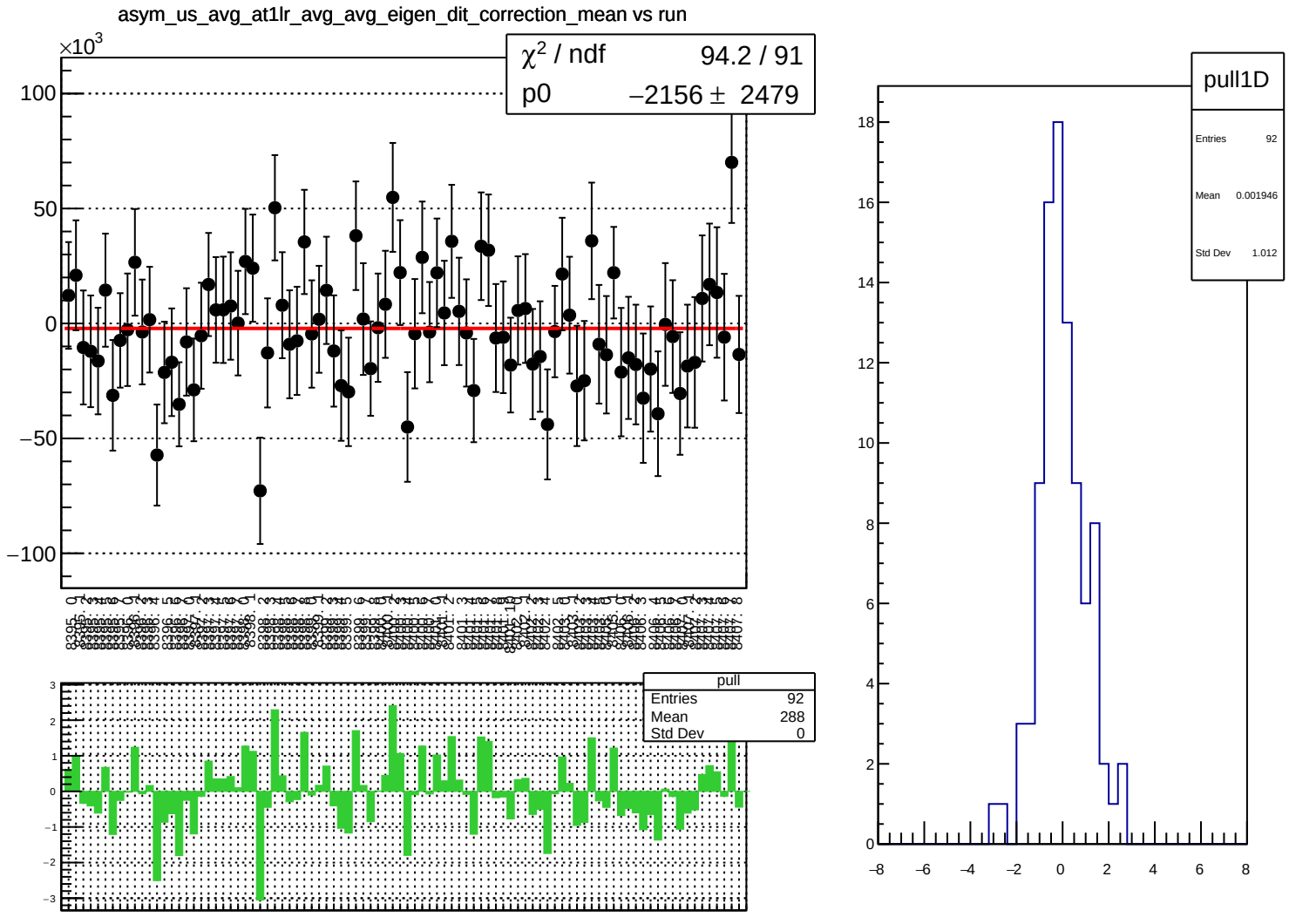

pull1D
Entries 92
Mean 0.001946
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

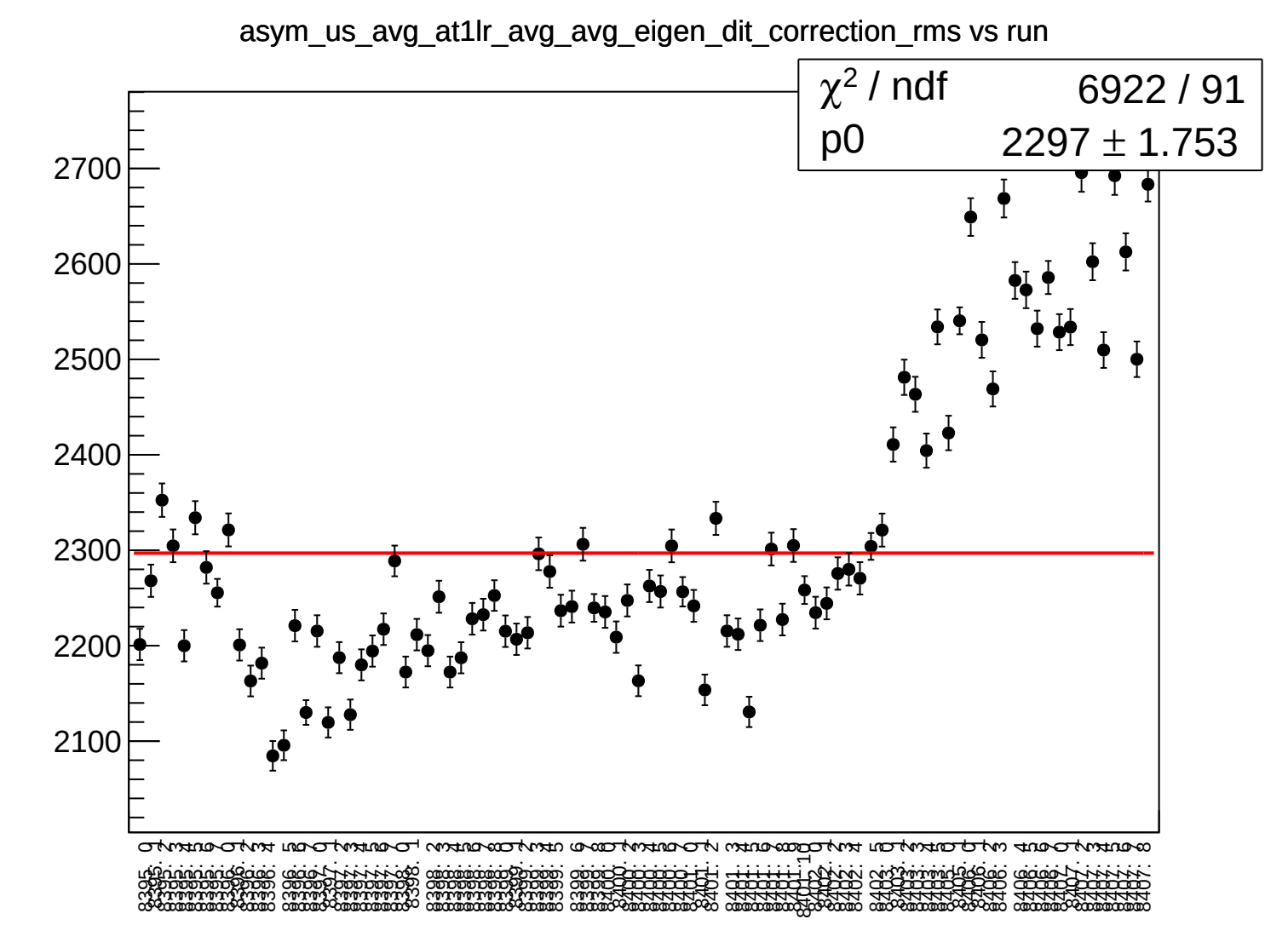

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 6922 / 91
p0 2297 ± 1.753
2700
2600
2500
2400
2300
2200
2100

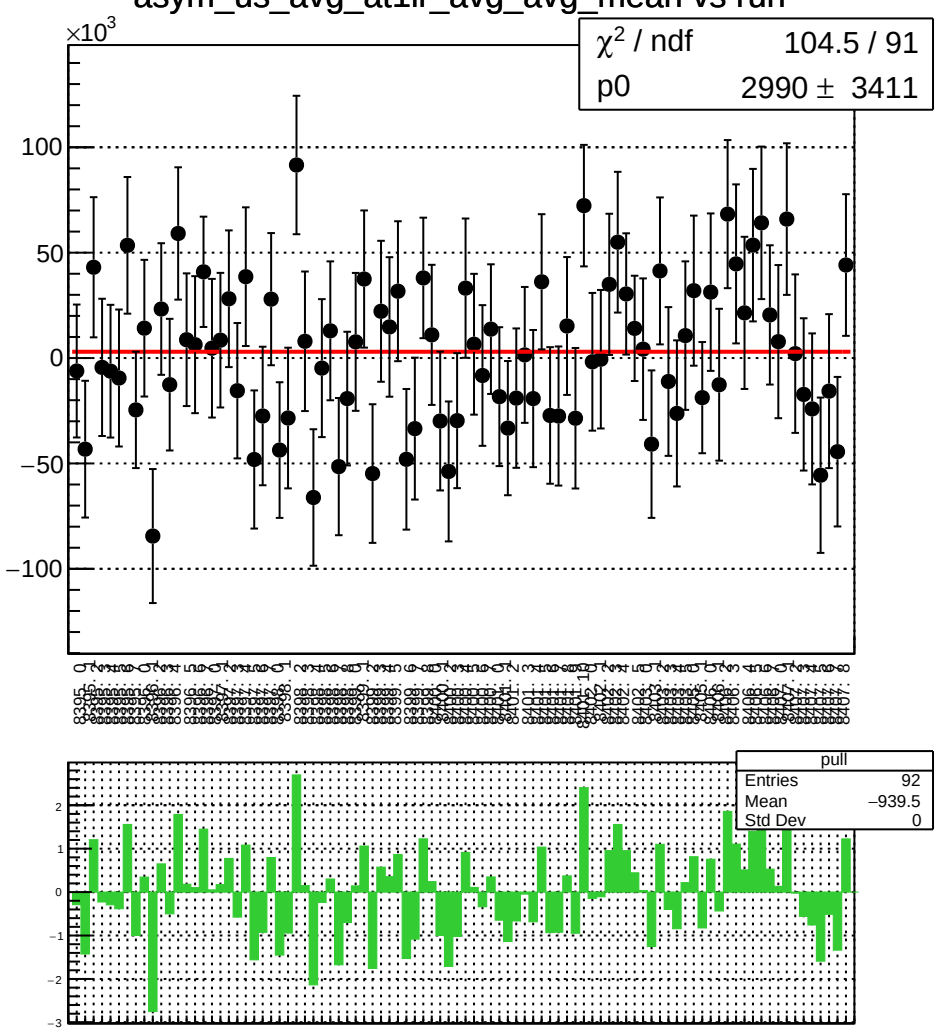

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 103.6 / 91
p0 1138 ± 2339
pull
Entries 92
Mean −462.4
Std Dev 0

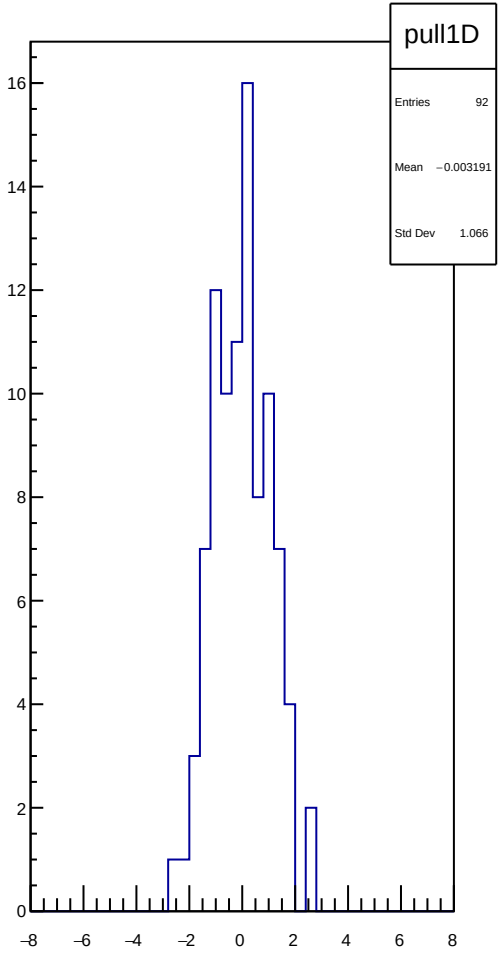

pull1D
Entries 92
Mean −0.009796
Std Dev 1.061

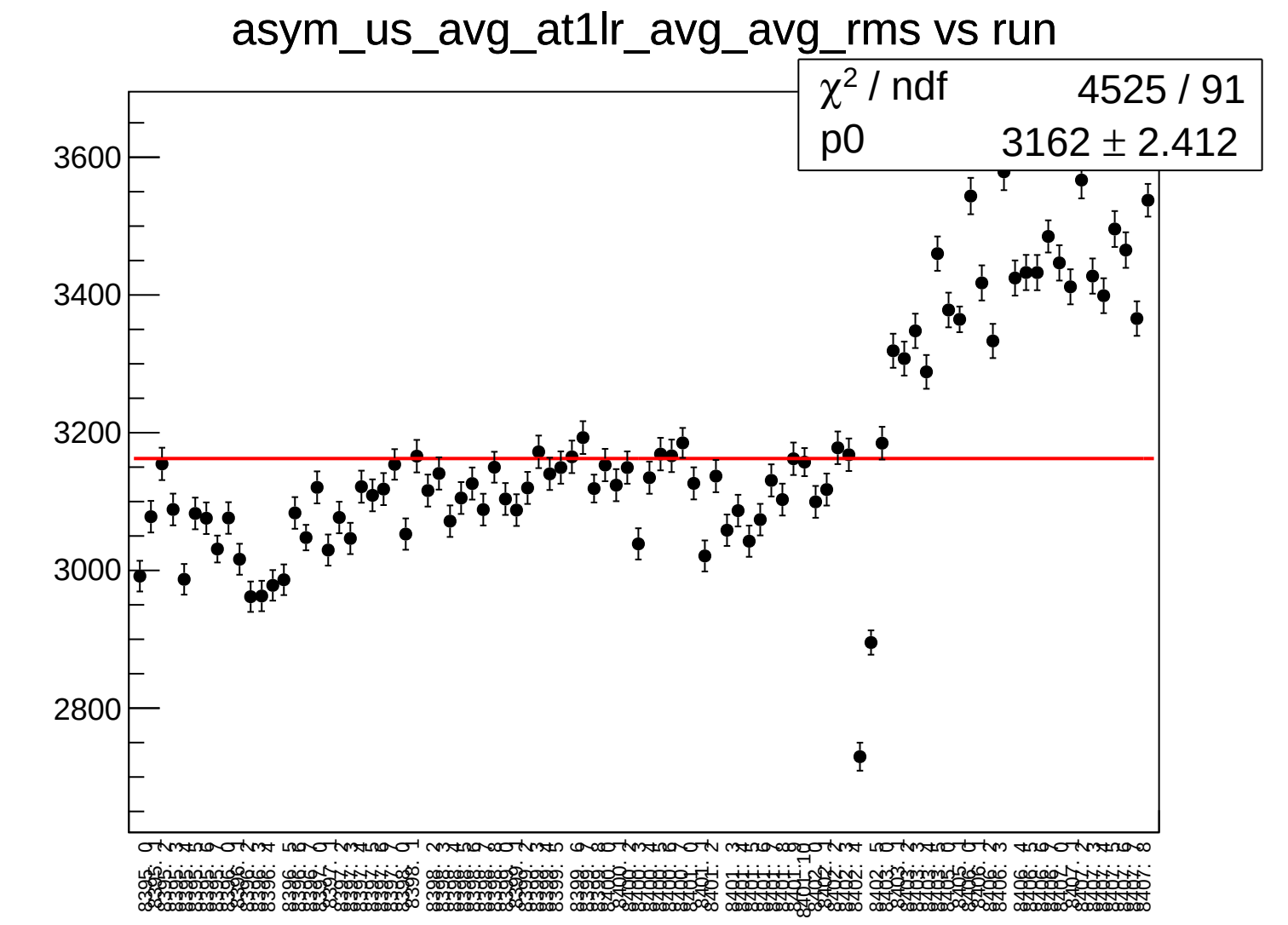

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
$\chi^2$ / ndf 134.5 / 91
p0 2171 ± 1.654
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100

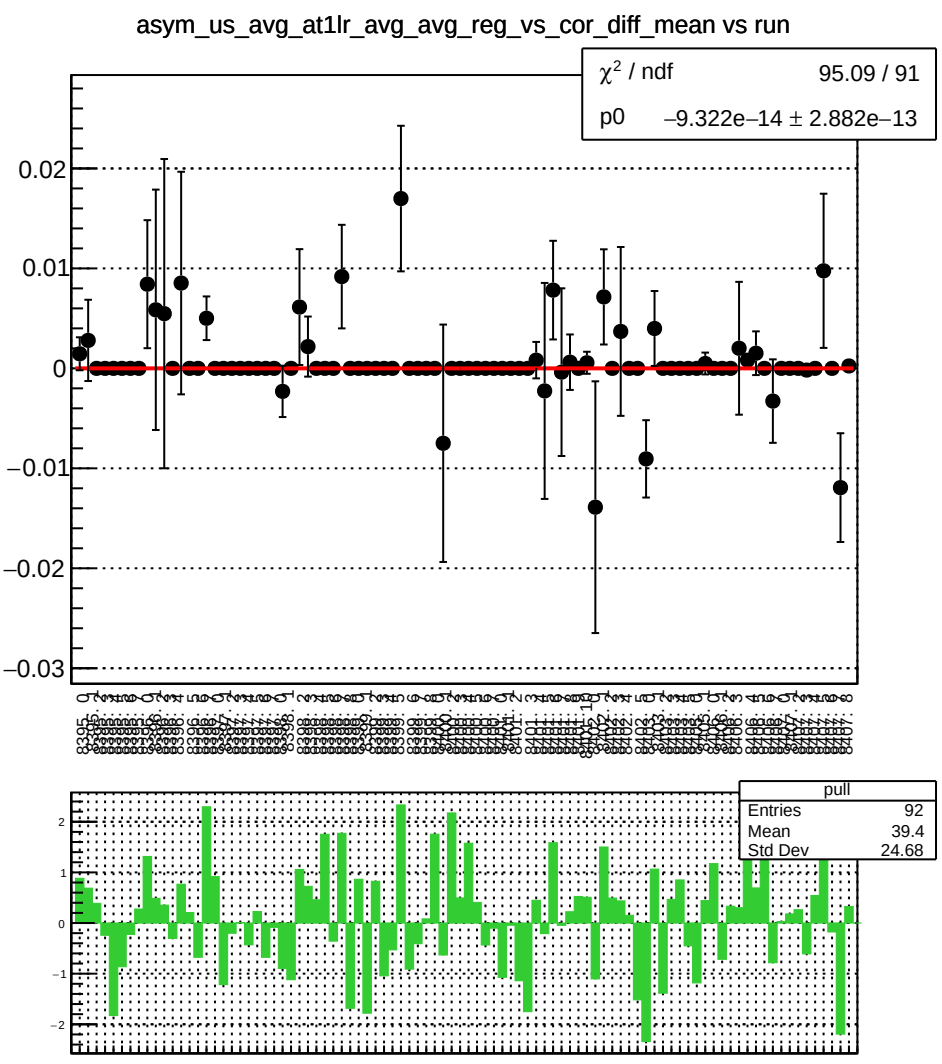

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 94.2 / 91
p0 −2156 ± 2479
100
50
0
−50
−100
pull
Entries 92
Mean 288
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.001946
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

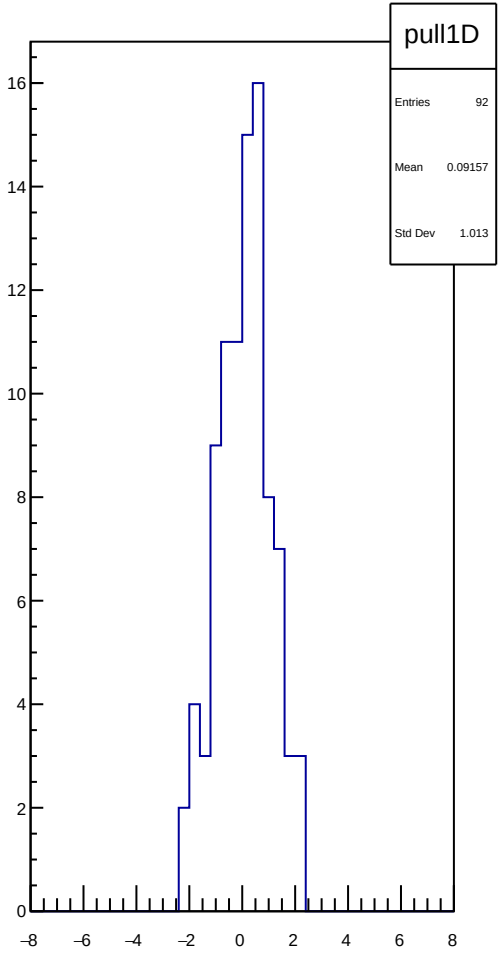

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 6922 / 91
p0 2297 ± 1.753
2700
2600
2500
2400
2300
2200
2100

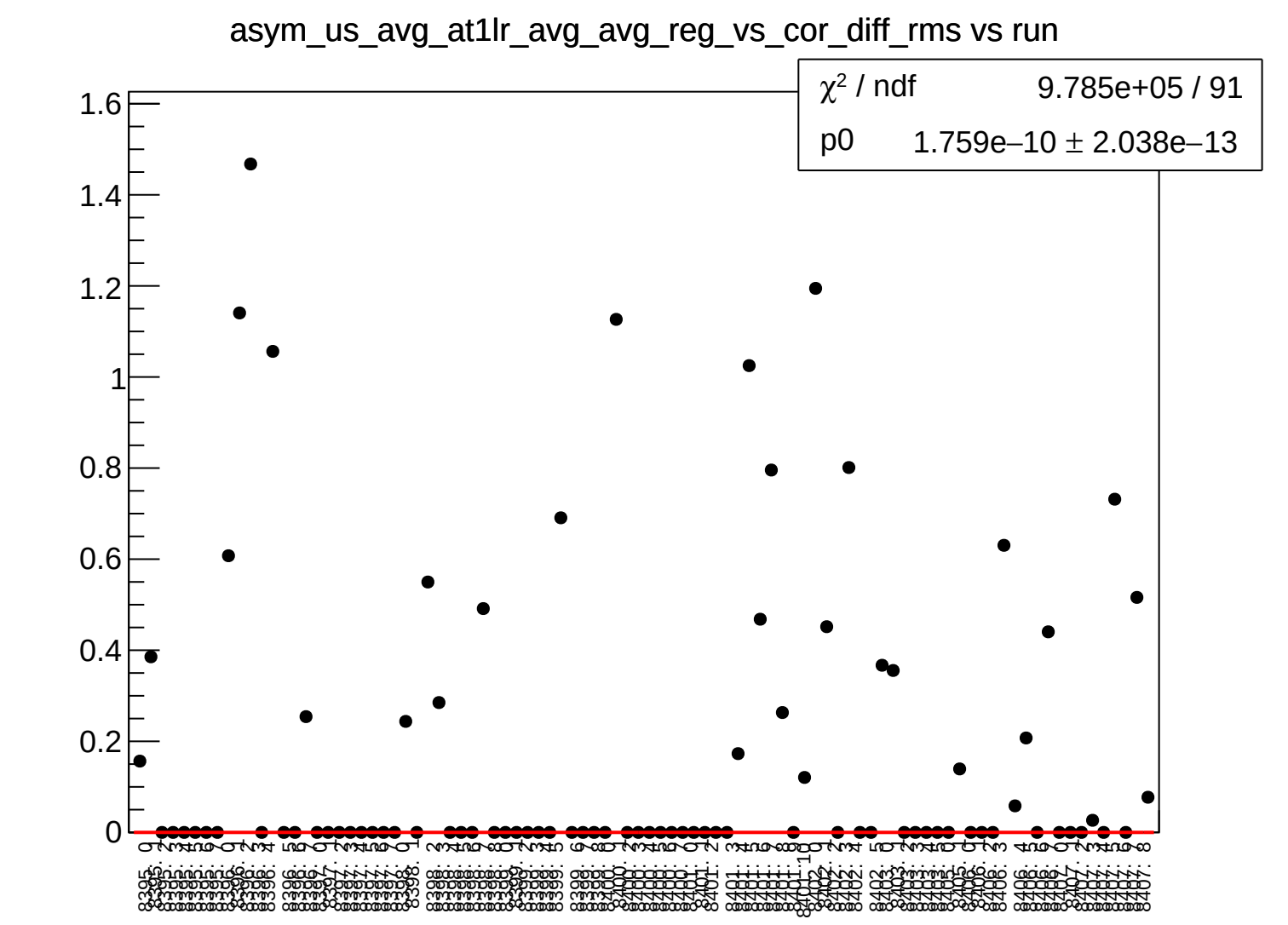

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 104.5 / 91
p0 2990 ± 3411
100
50
0
−50
−100
pull
Entries 92
Mean −939.5
Std Dev 0
2
1
0
−1
−2
−3

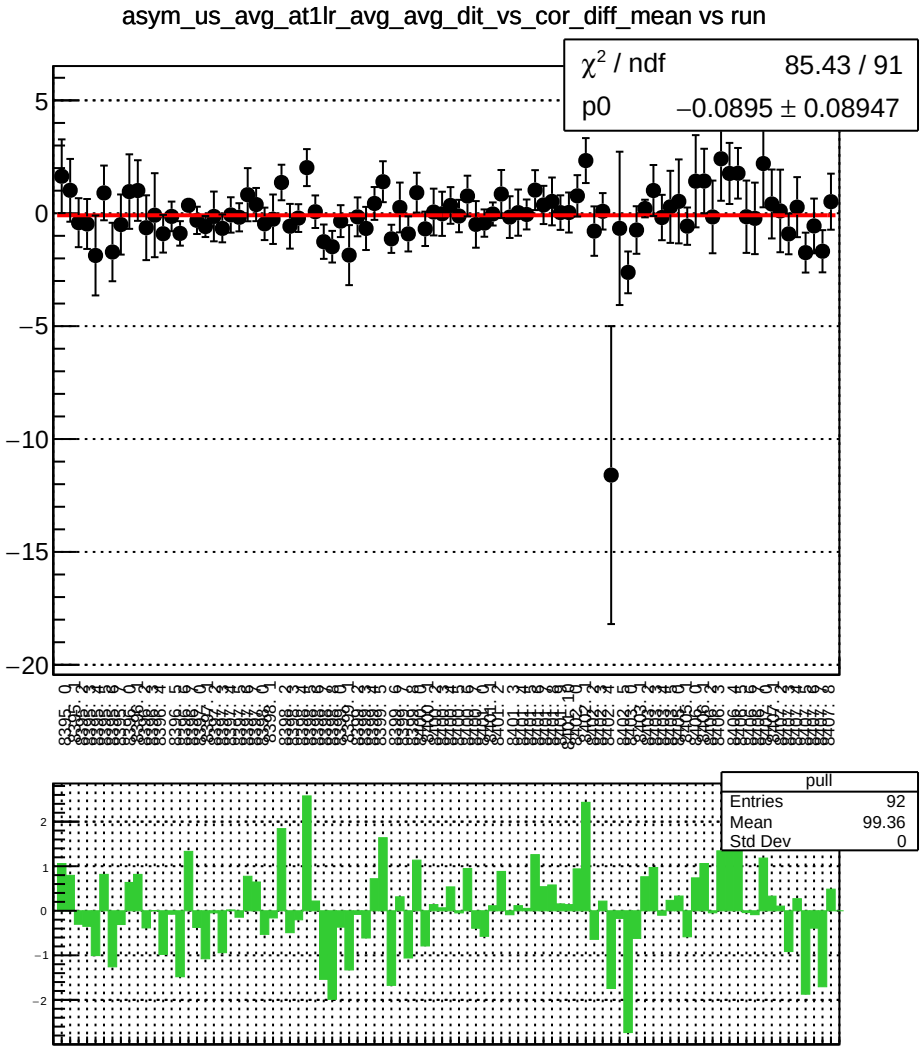

pull1D
Entries 92
Mean −0.003191
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

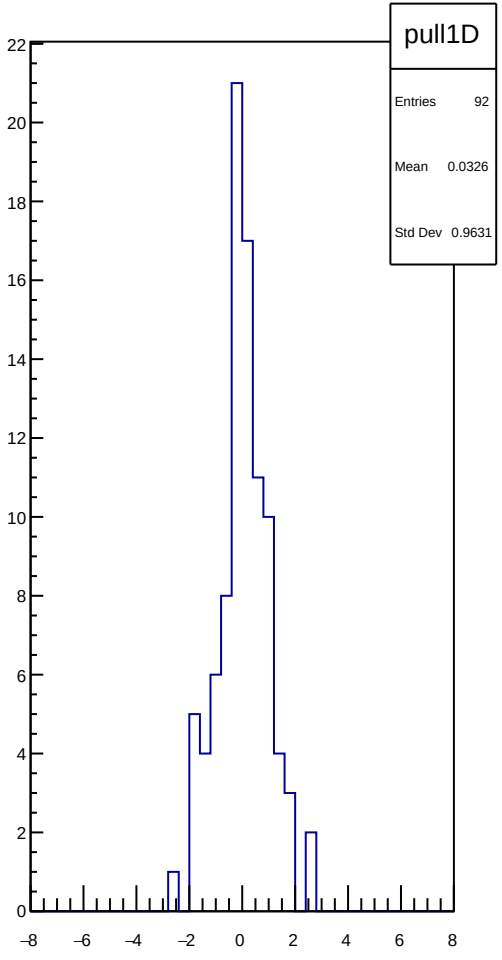

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 4525 / 91
p0 3162 ± 2.412
3600
3400
3200
3000
2800

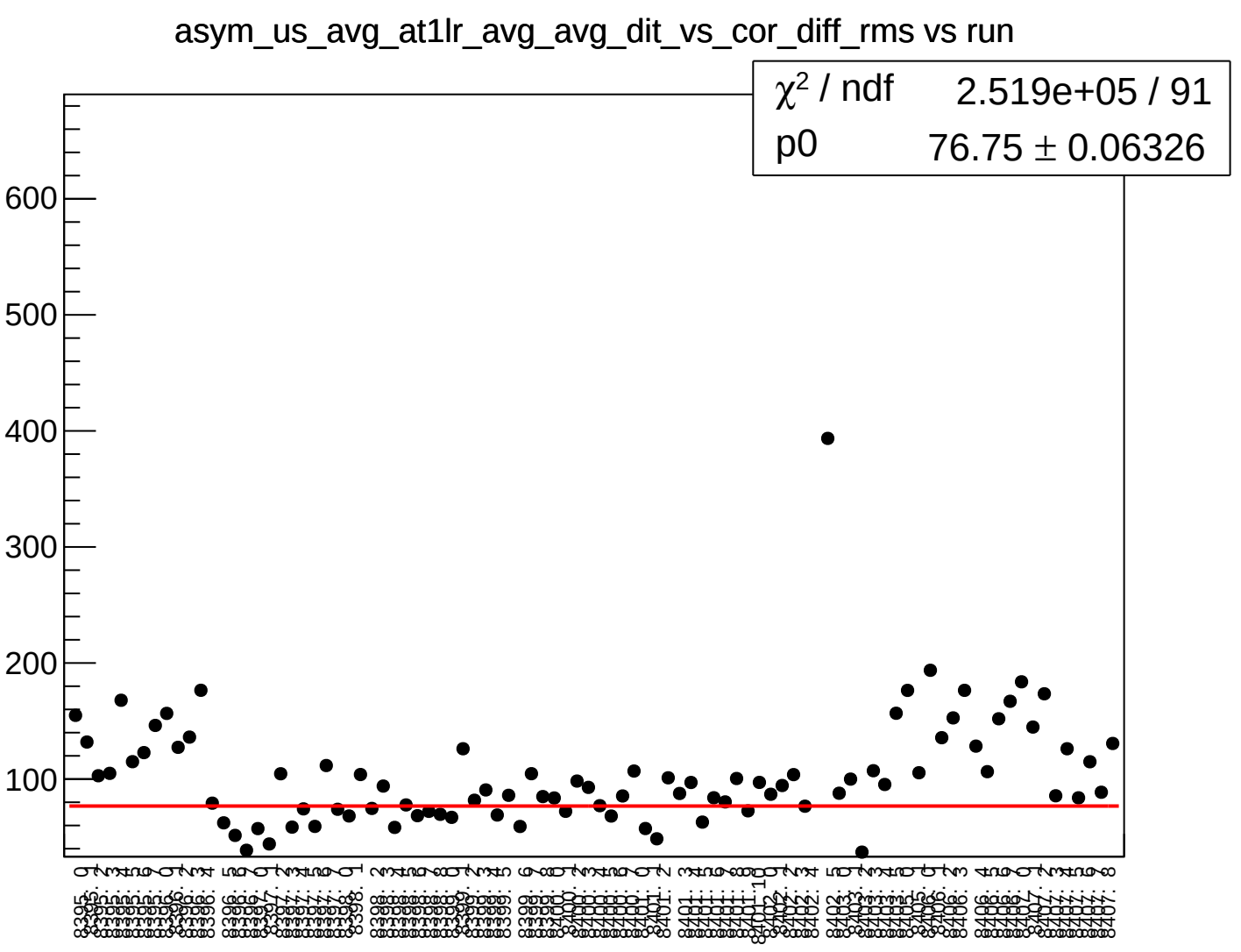

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.09 / 91
p0 −9.322e−14 ± 2.882e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 39.4
Std Dev 24.68
2
1
0
−1
−2

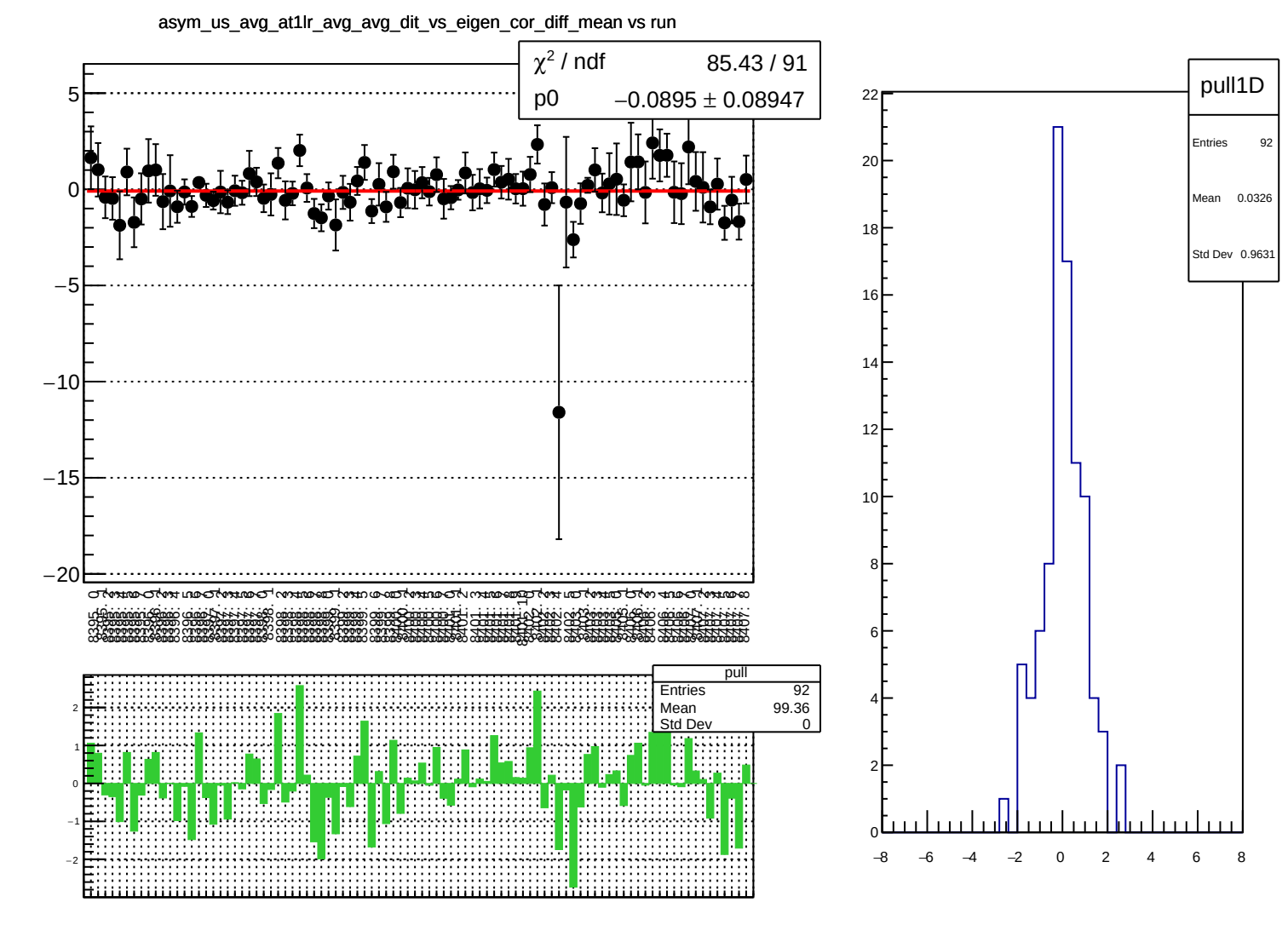

pull1D
Entries 92
Mean 0.09157
Std Dev 1.013
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

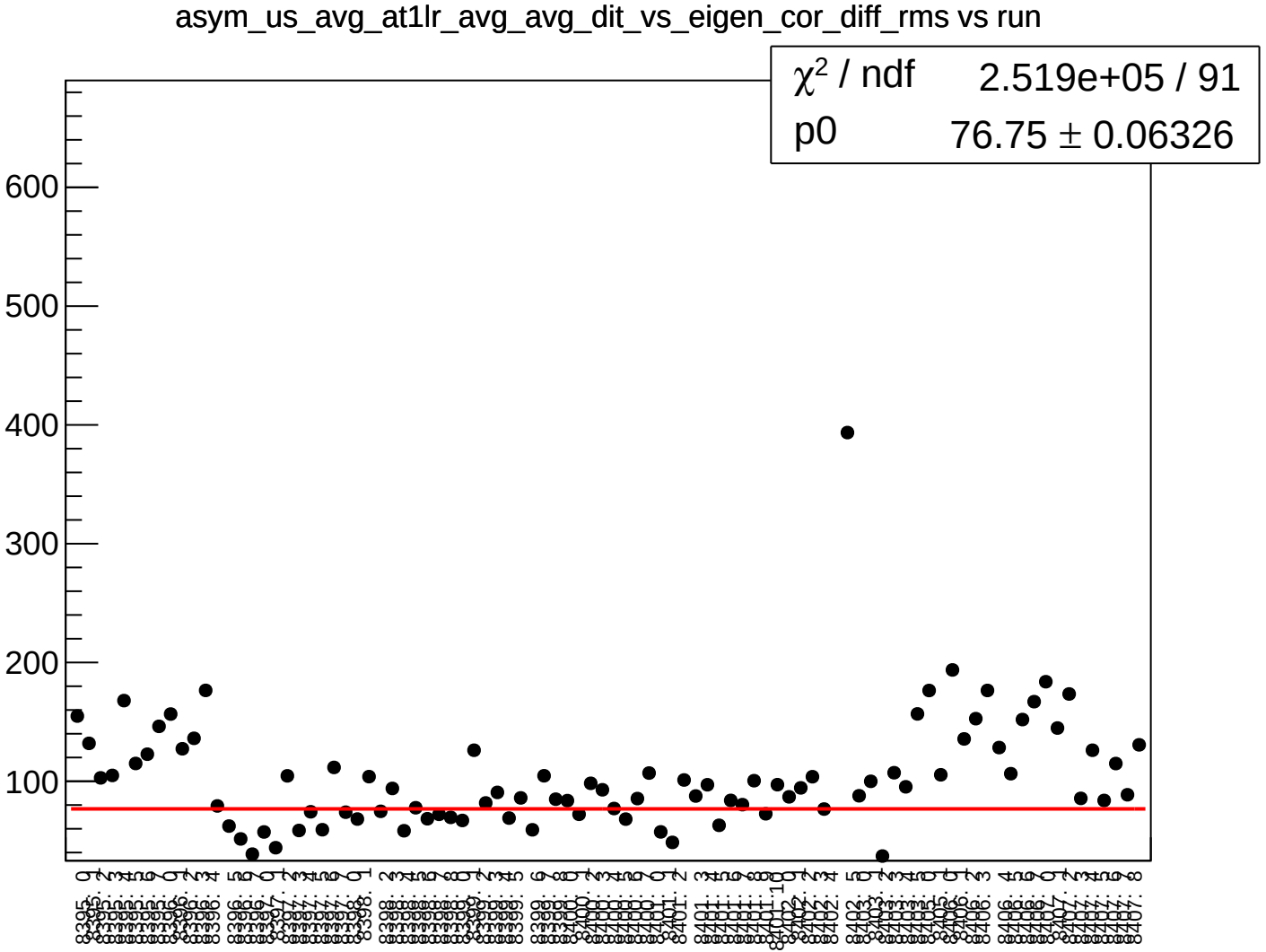

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.785e+05 / 91
p0 1.759e−10 ± 2.038e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

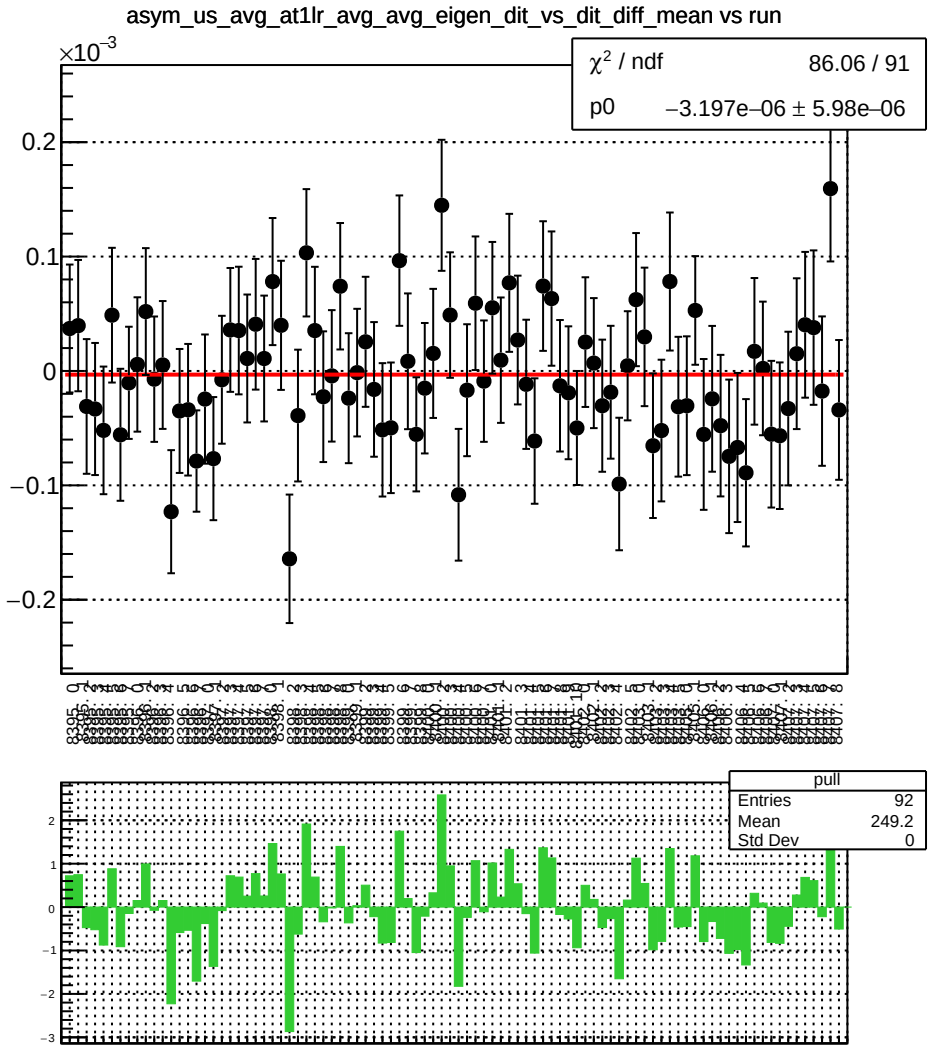

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.43 / 91
p0 −0.0895 ± 0.08947
pull
Entries 92
Mean 99.36
Std Dev 0

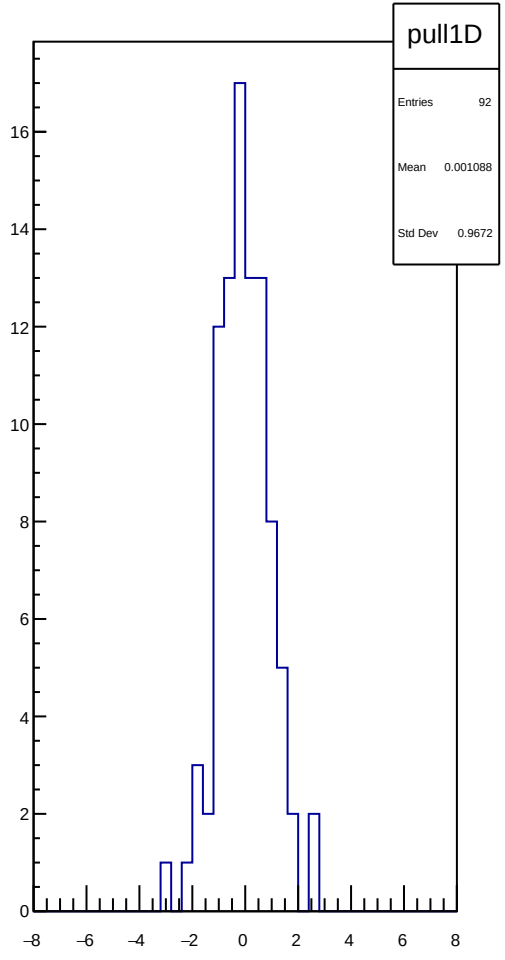

pull1D
Entries 92
Mean 0.0326
Std Dev 0.9631

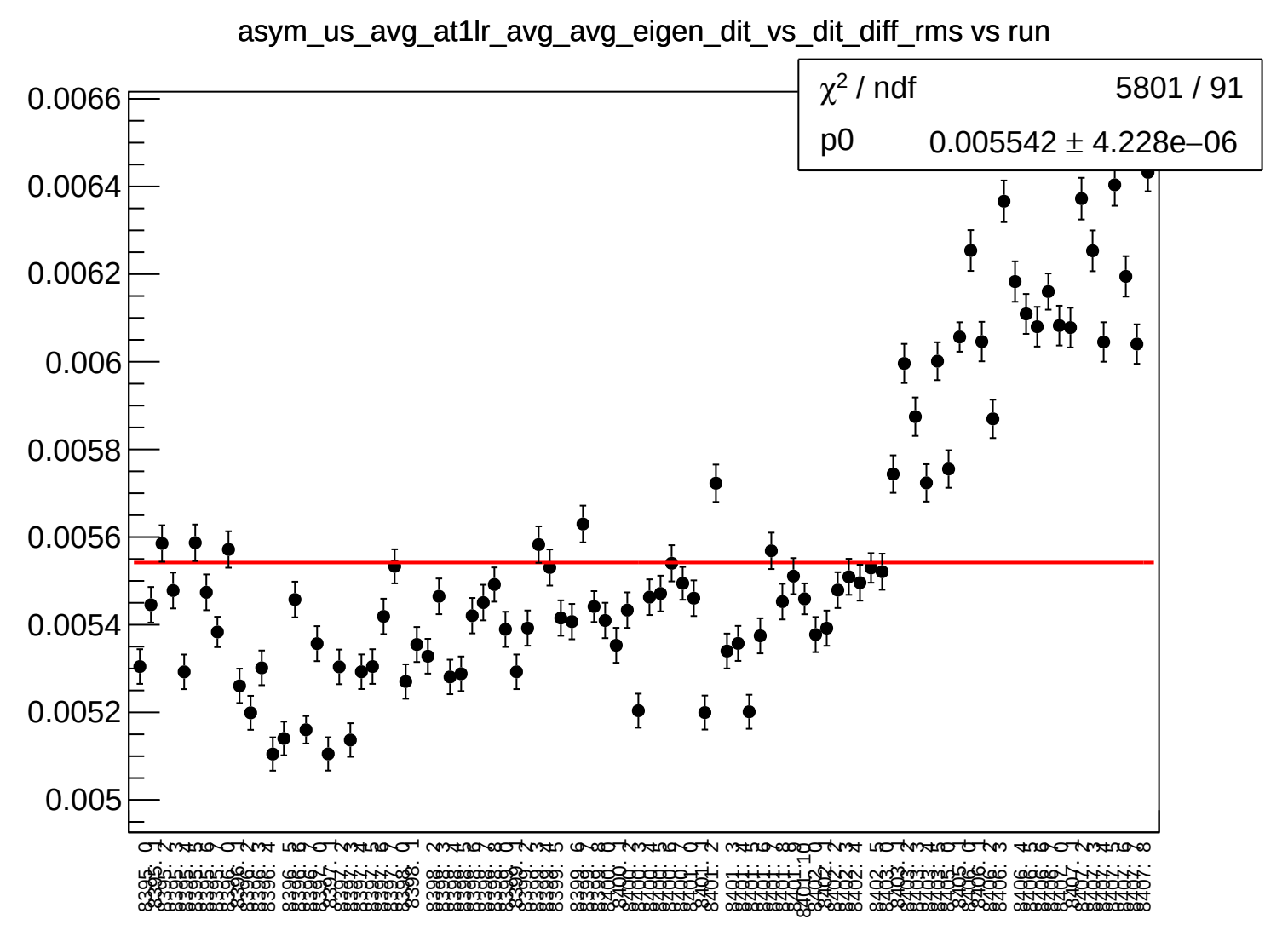

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.519e+05 / 91
p0 76.75 ± 0.06326
600
500
400
300
200
100

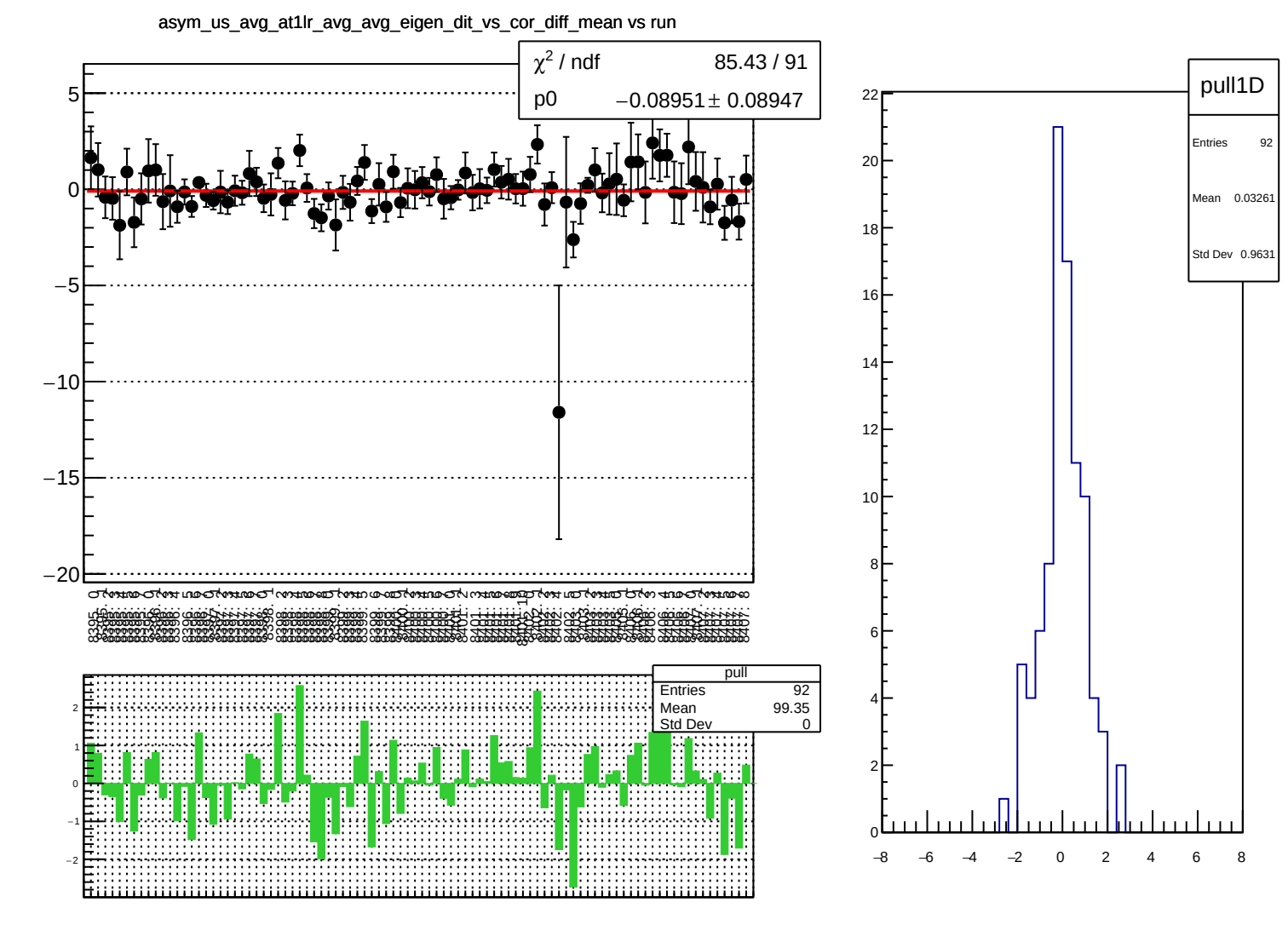

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.43 / 91
p0 −0.0895 ± 0.08947
pull
Entries 92
Mean 99.36
Std Dev 0
pull1D
Entries 92
Mean 0.0326
Std Dev 0.9631

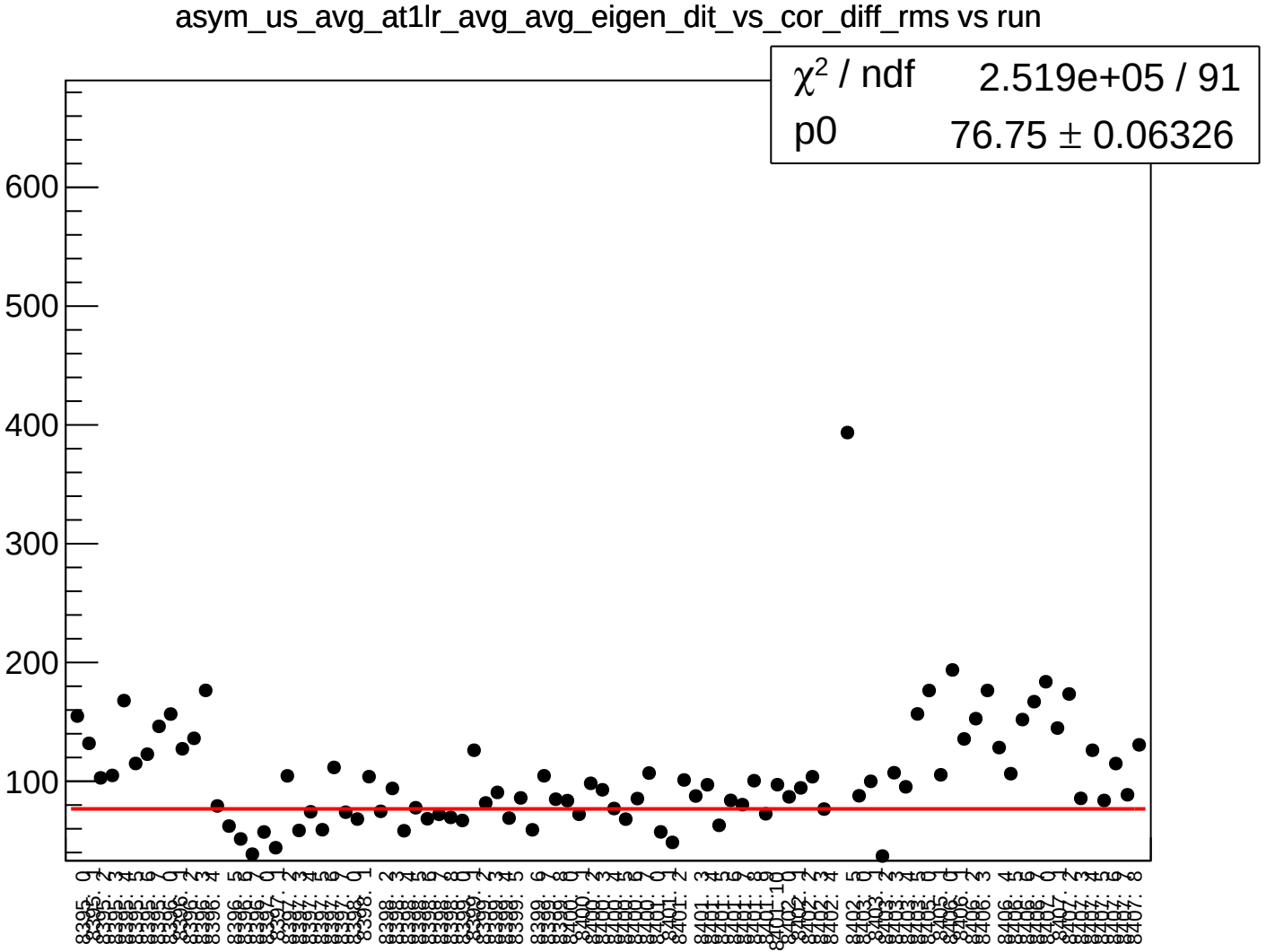

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 2.519e+05 / 91
p0 76.75 ± 0.06326
600
500
400
300
200
100

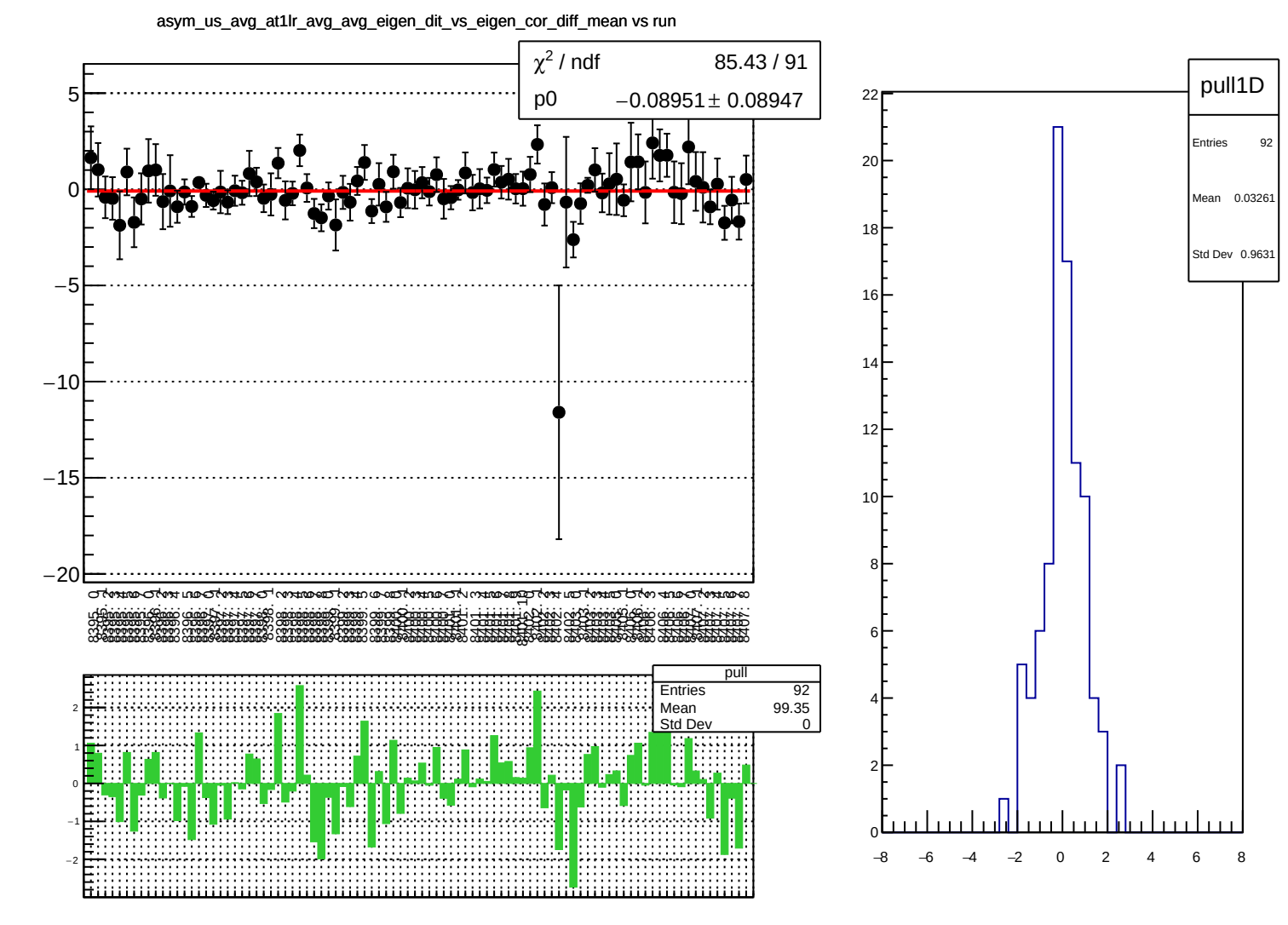

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 86.06 / 91
p0 −3.197e−06 ± 5.98e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 92
Mean 249.2
Std Dev 0
2
1
0
−1
−2
−3

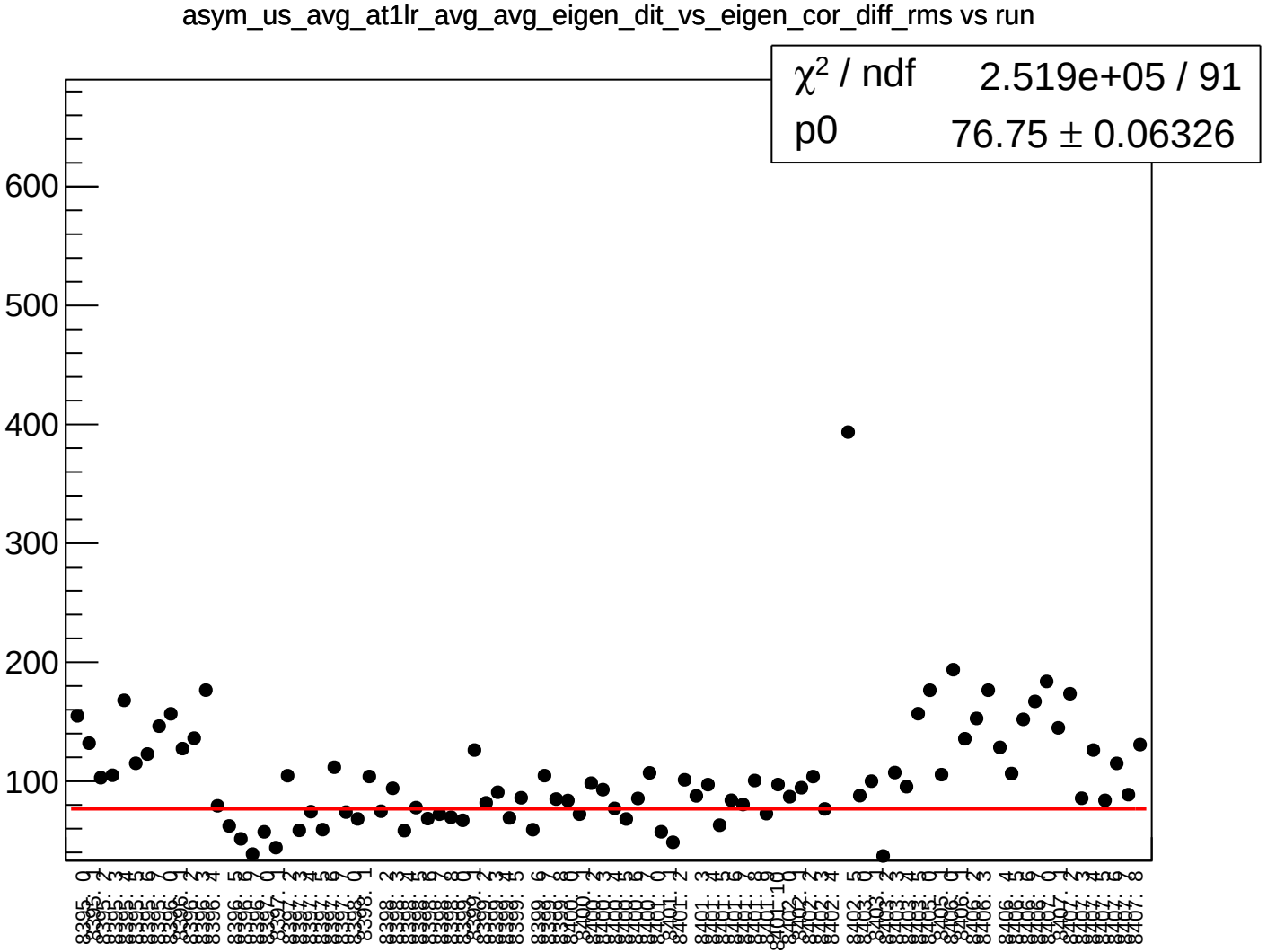

pull1D
Entries 92
Mean 0.001088
Std Dev 0.9672
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

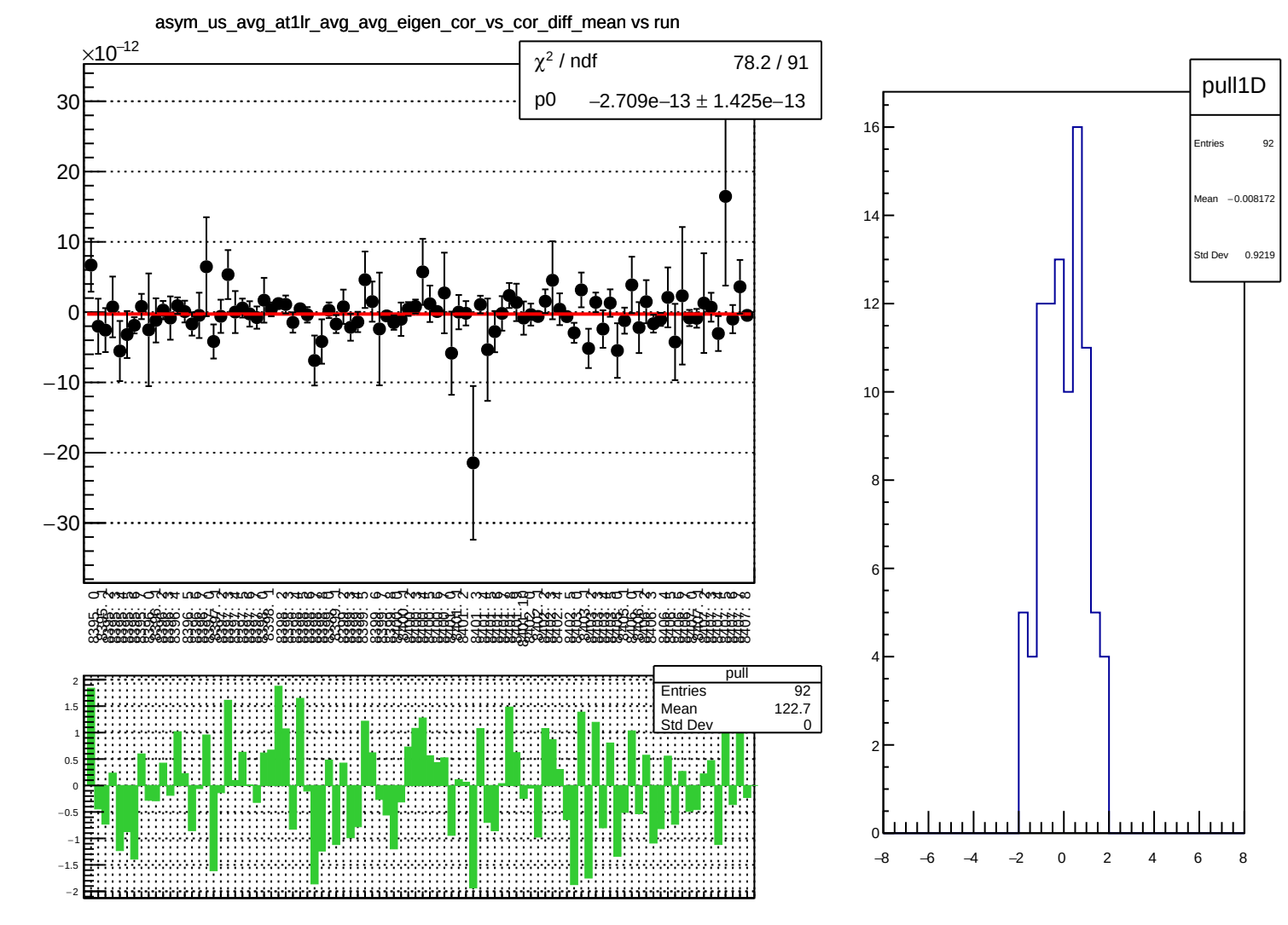

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5801 / 91
p0 0.005542 ± 4.228e−06
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005

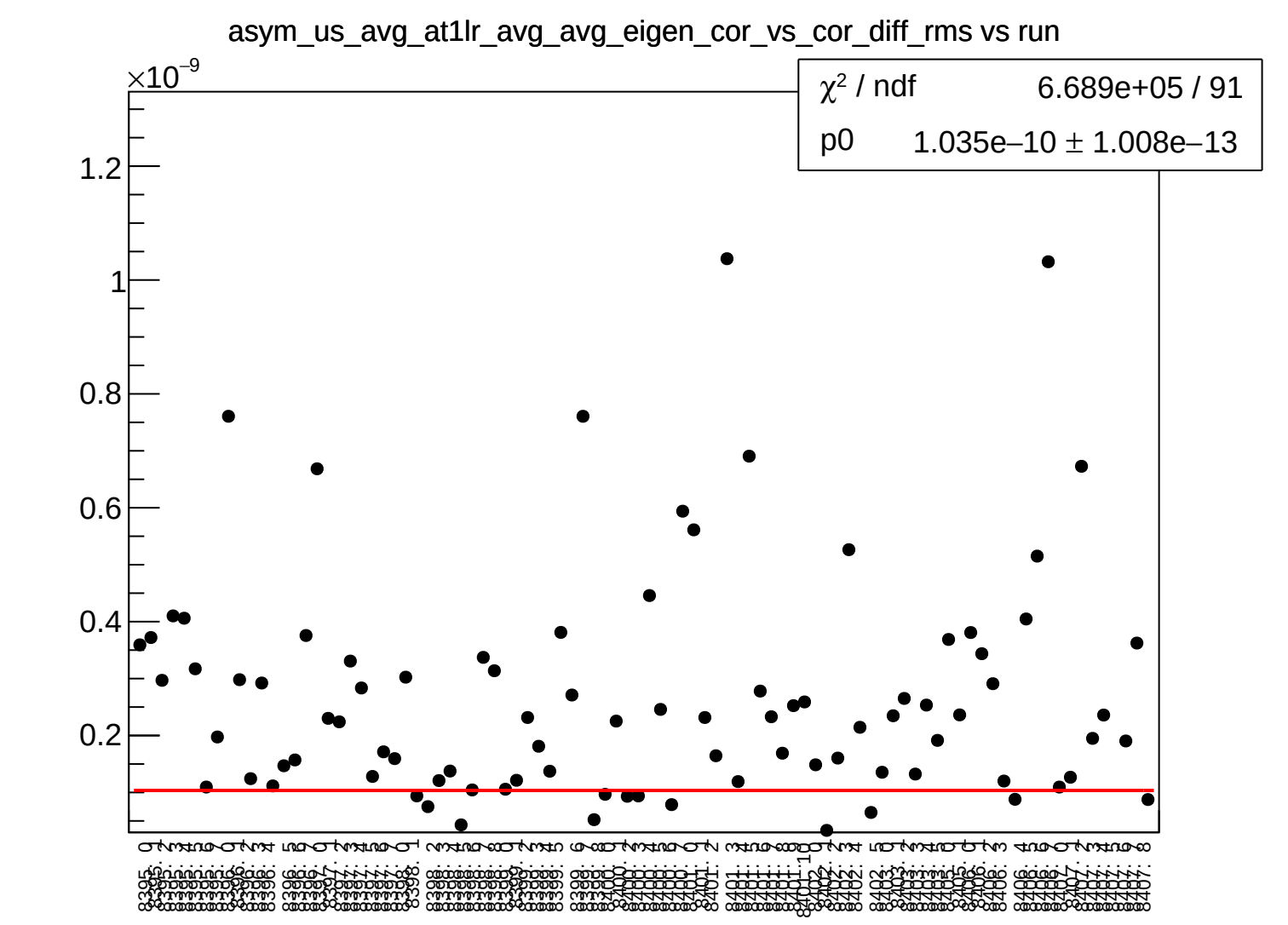

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.43 / 91
p0 −0.08951 ± 0.08947
pull
Entries 92
Mean 99.35
Std Dev 0
pull1D
Entries 92
Mean 0.03261
Std Dev 0.9631

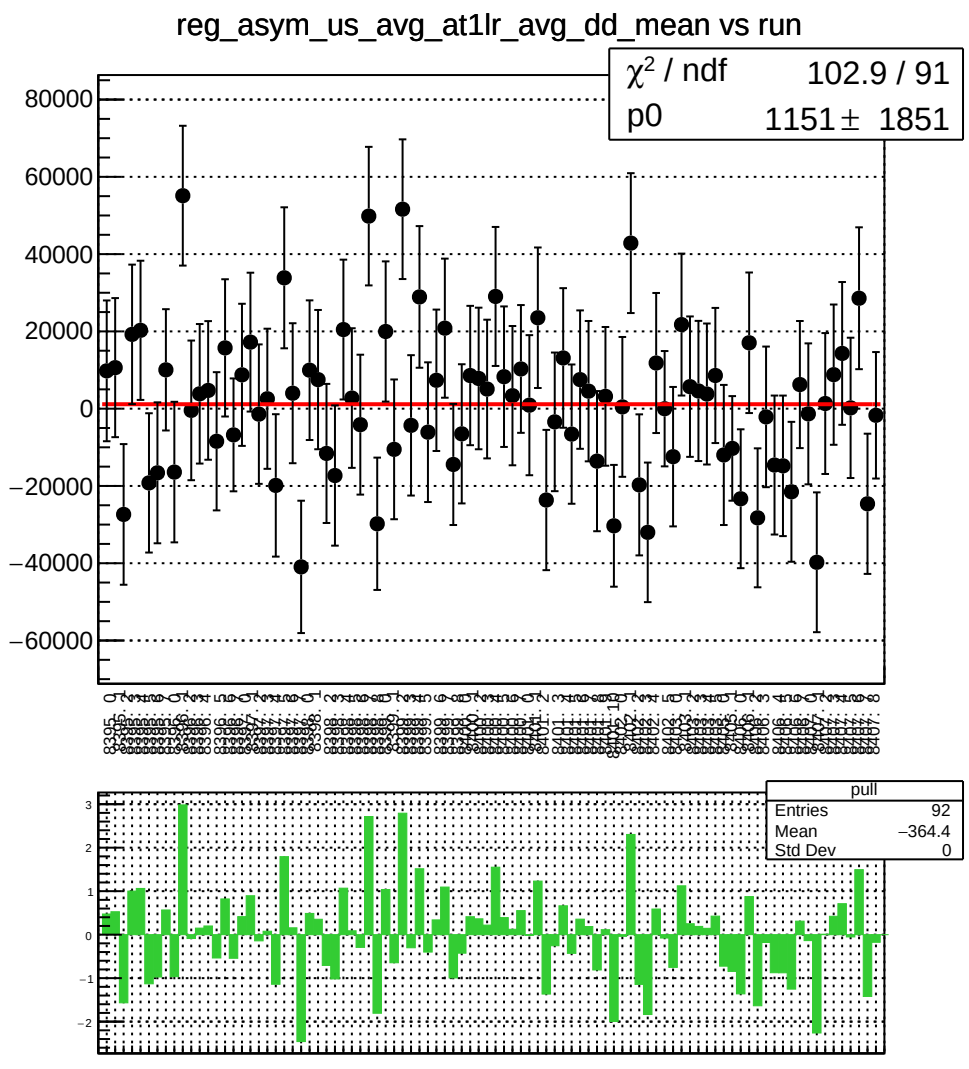

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 2.519e+05 / 91
p0 76.75 ± 0.06326
600
500
400
300
200
100

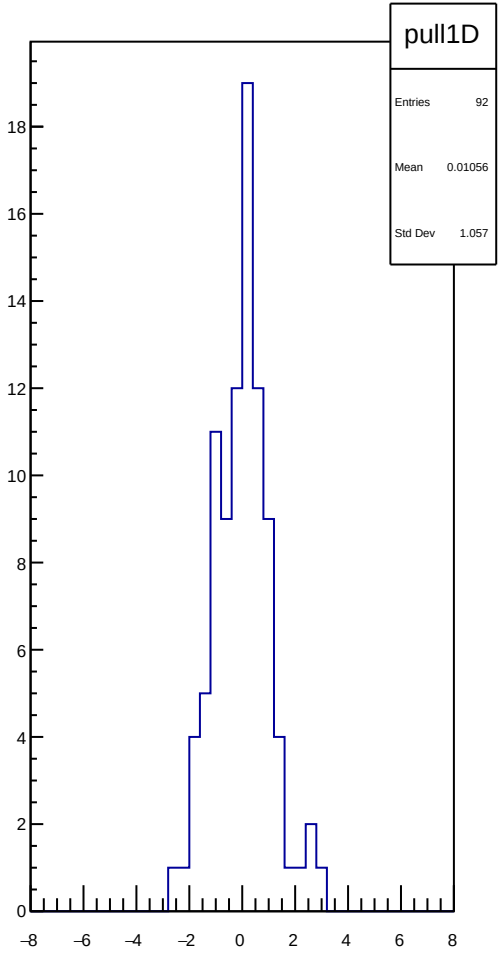

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.43 / 91
p0 −0.08951 ± 0.08947
pull
Entries 92
Mean 99.35
Std Dev 0
pull1D
Entries 92
Mean 0.03261
Std Dev 0.9631

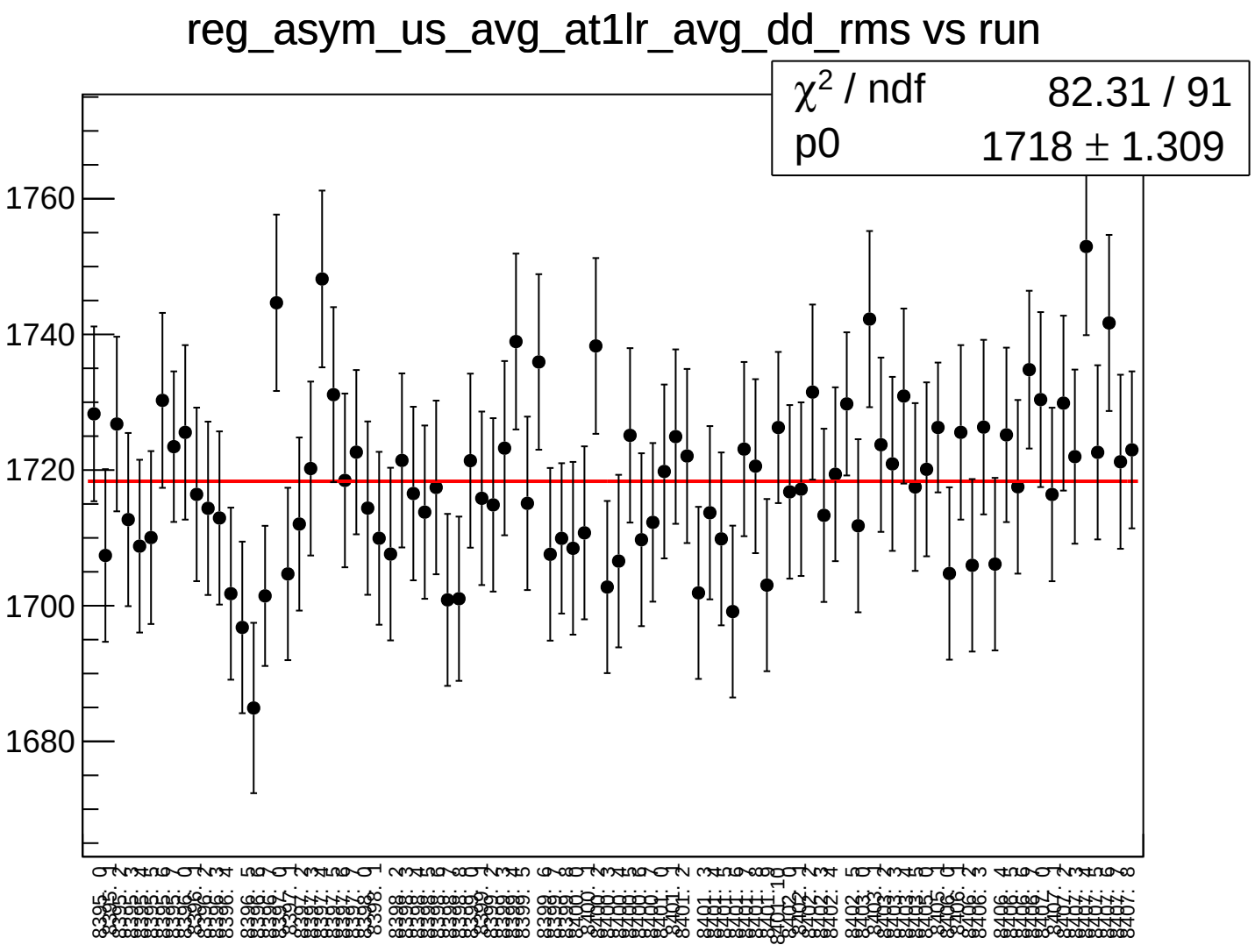

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.519e+05 / 91
p0 76.75 ± 0.06326
600
500
400
300
200
100

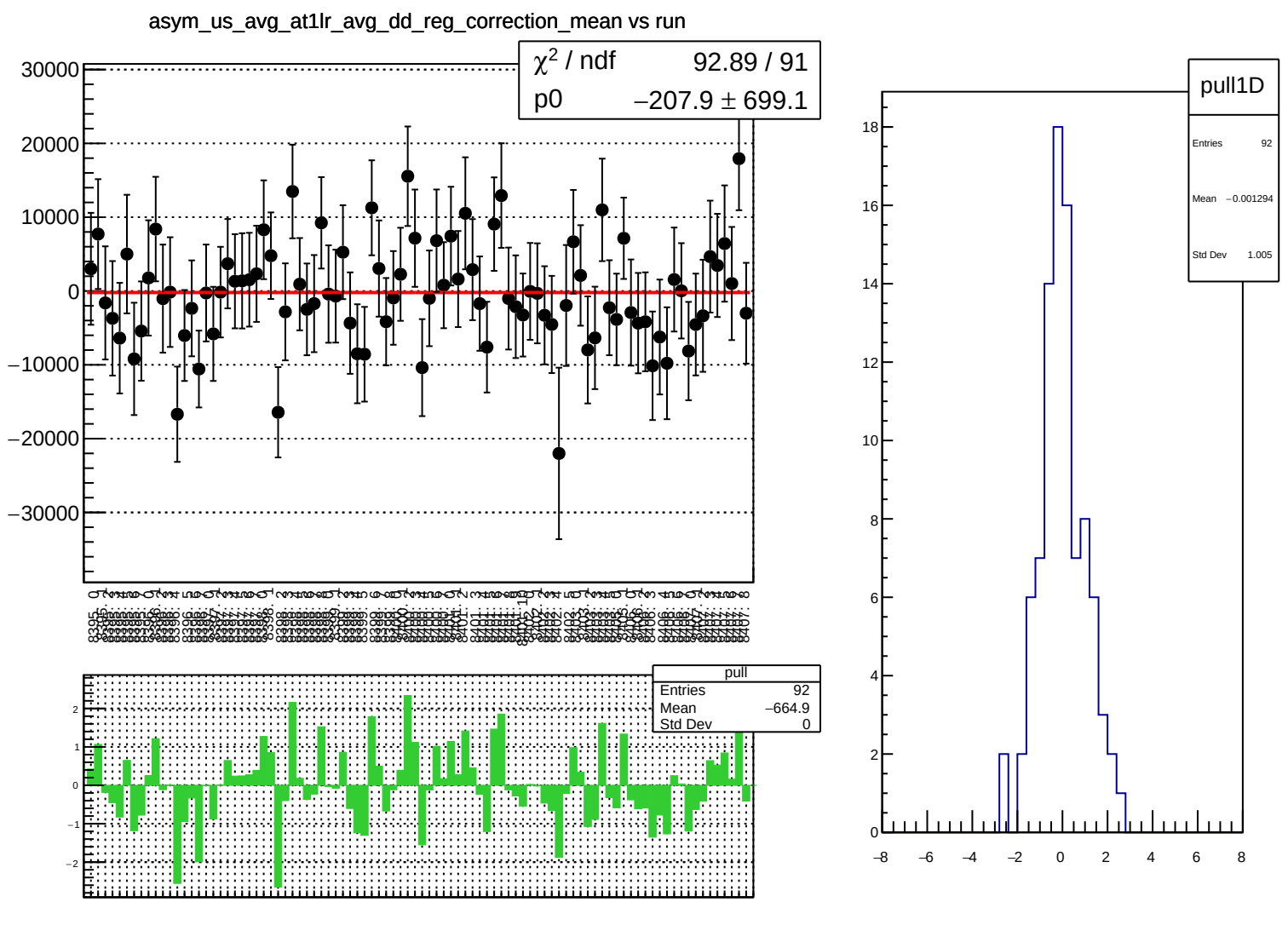

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.2 / 91
p0 −2.709e−13 ± 1.425e−13
pull
Entries 92
Mean 122.7
Std Dev 0
pull1D
Entries 92
Mean −0.008172
Std Dev 0.9219

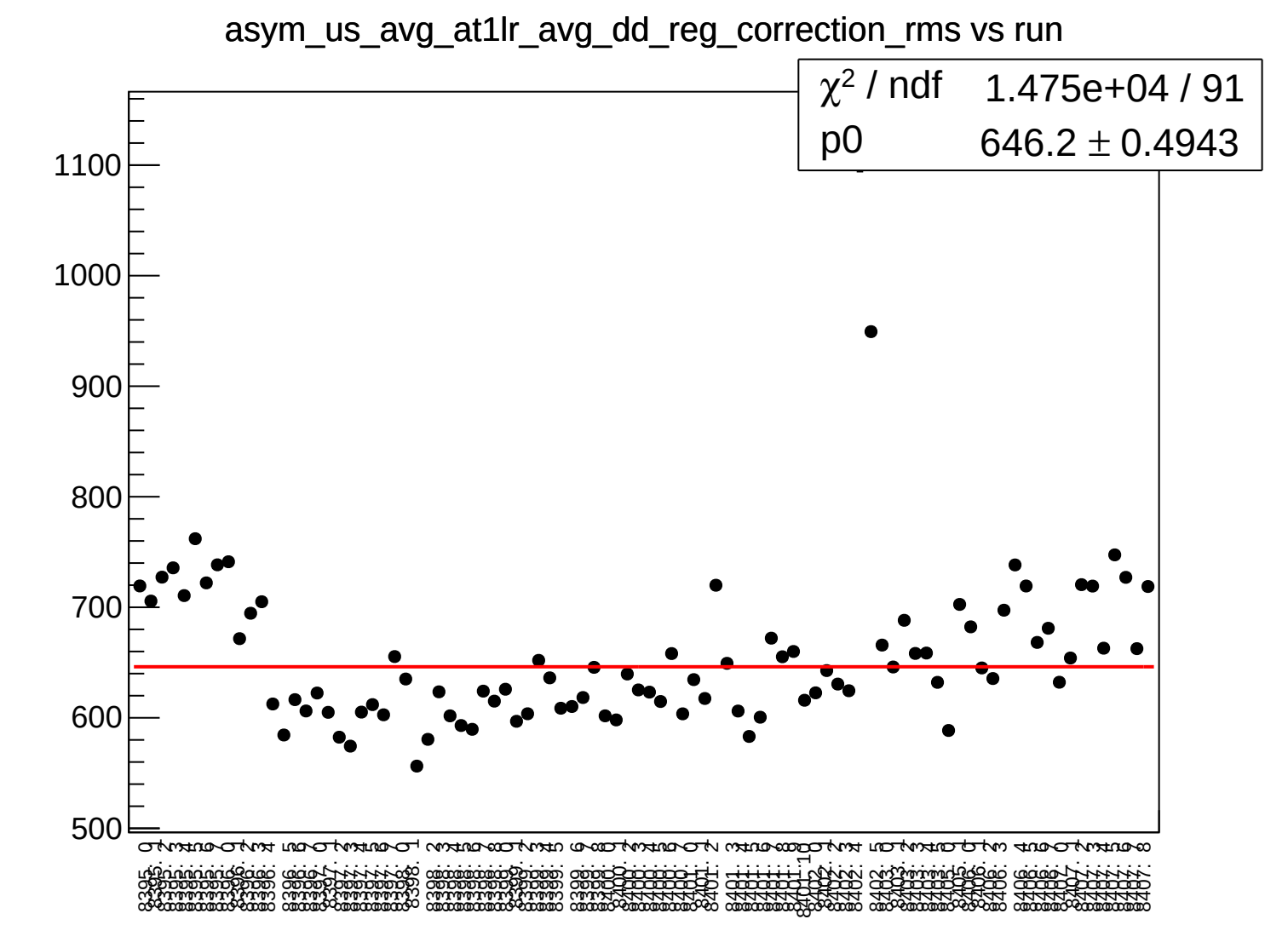

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.689e+05 / 91
p0 1.035e−10 ± 1.008e−13
1.2
1
0.8
0.6
0.4
0.2

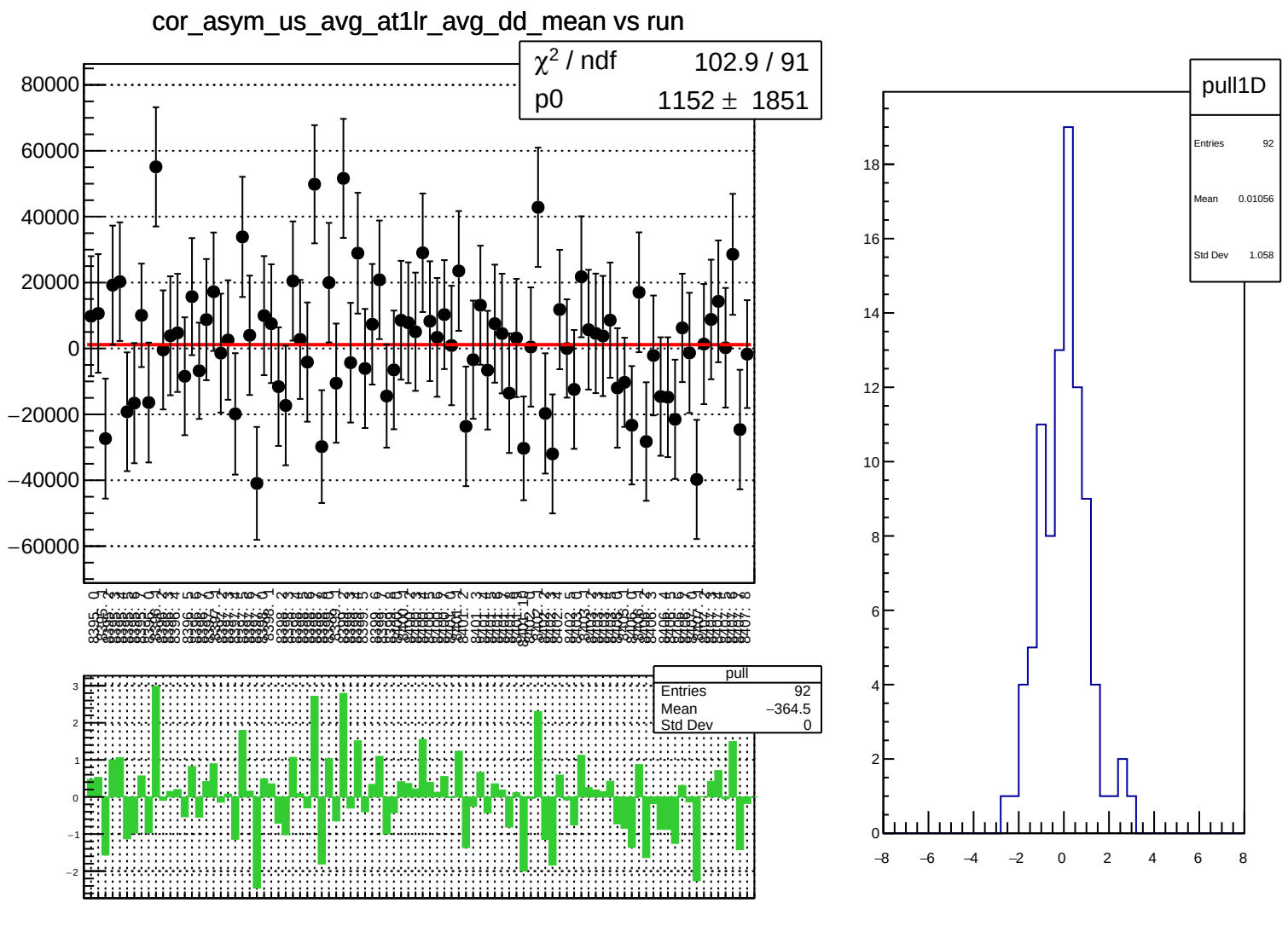

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 102.9 / 91
p0 1151 ± 1851
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −364.4
Std Dev 0
3
2
1
0
−1
−2

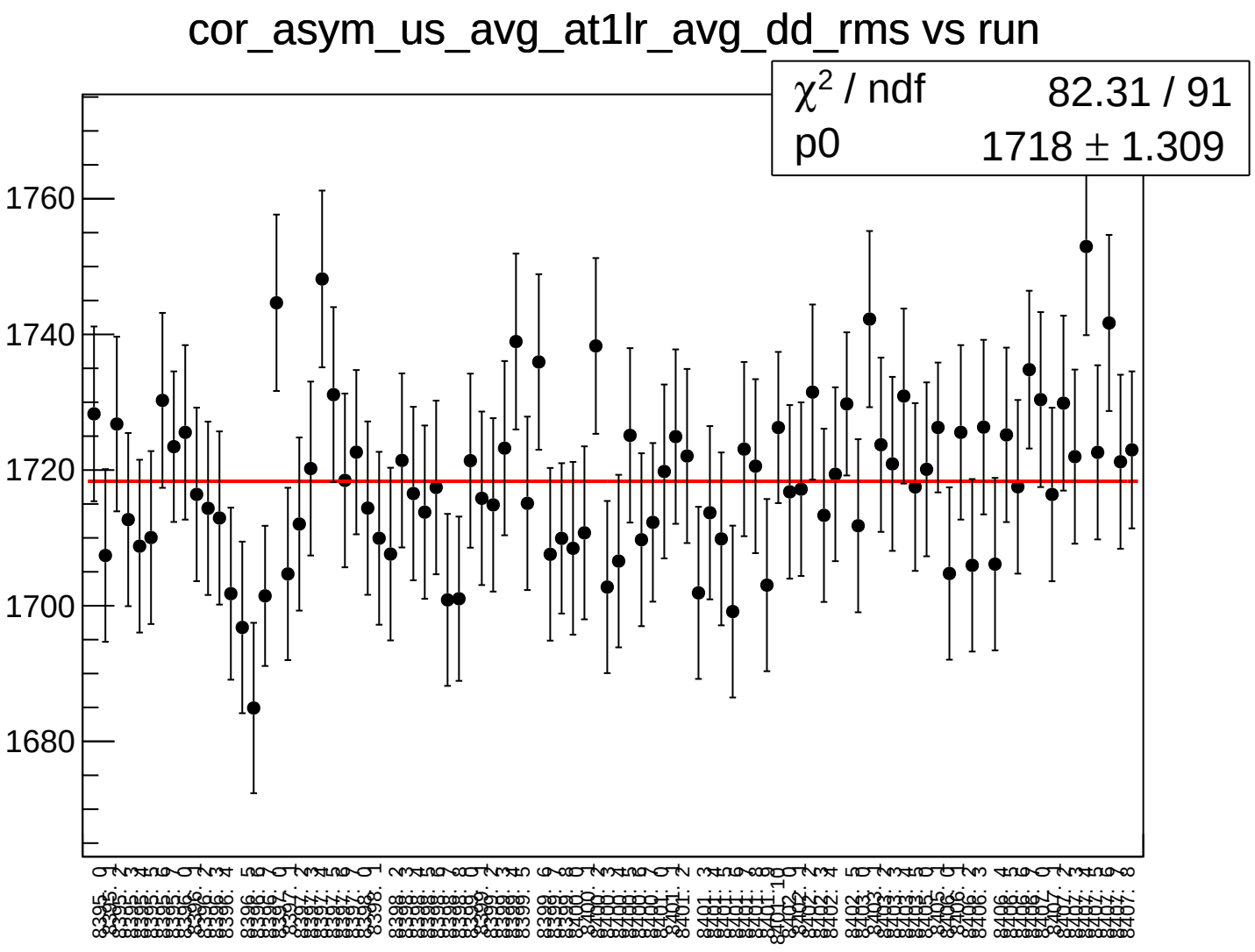

pull1D
Entries 92
Mean 0.01056
Std Dev 1.057
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

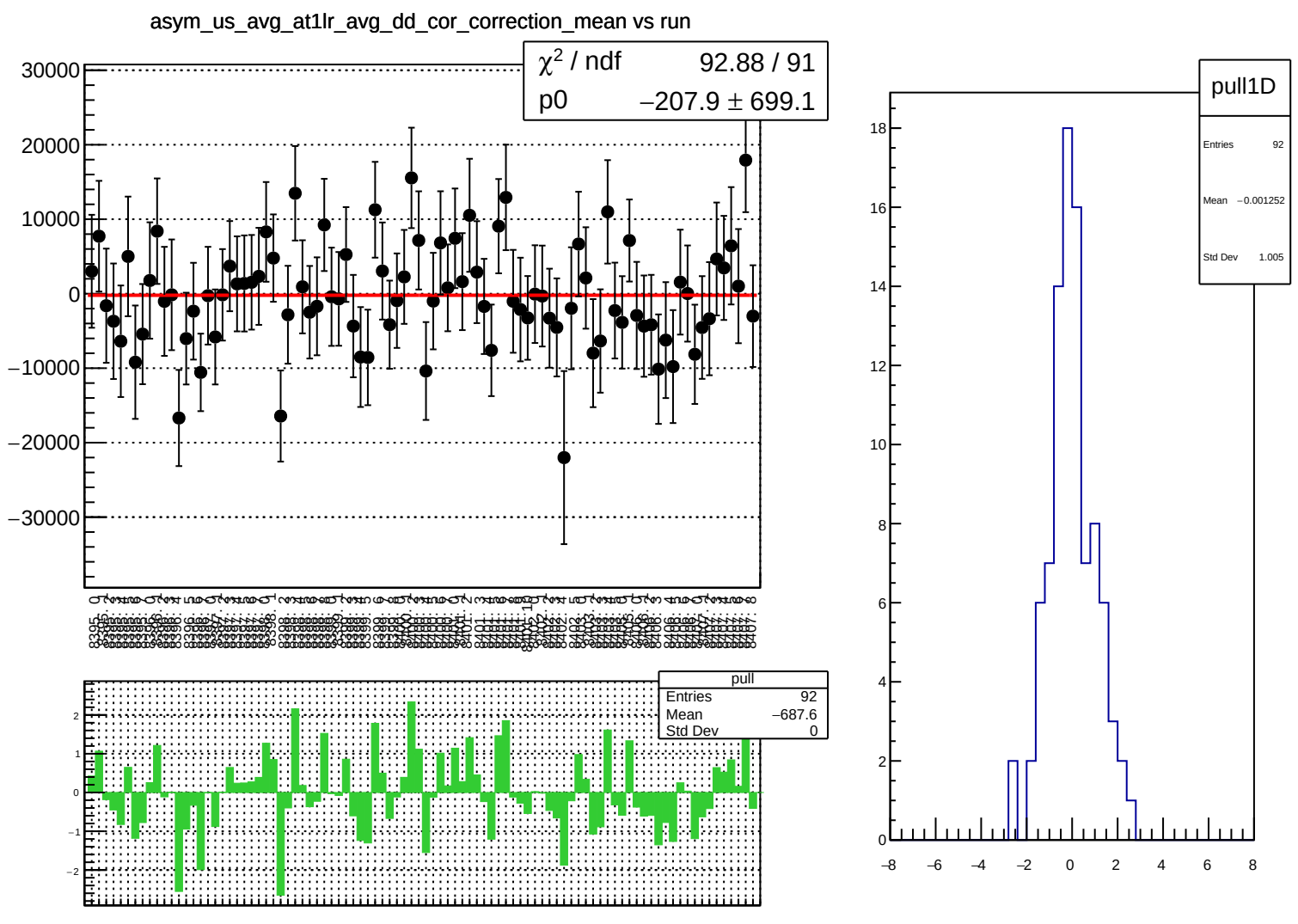

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 82.31 / 91
p0 1718 ± 1.309
1760
1740
1720
1700
1680

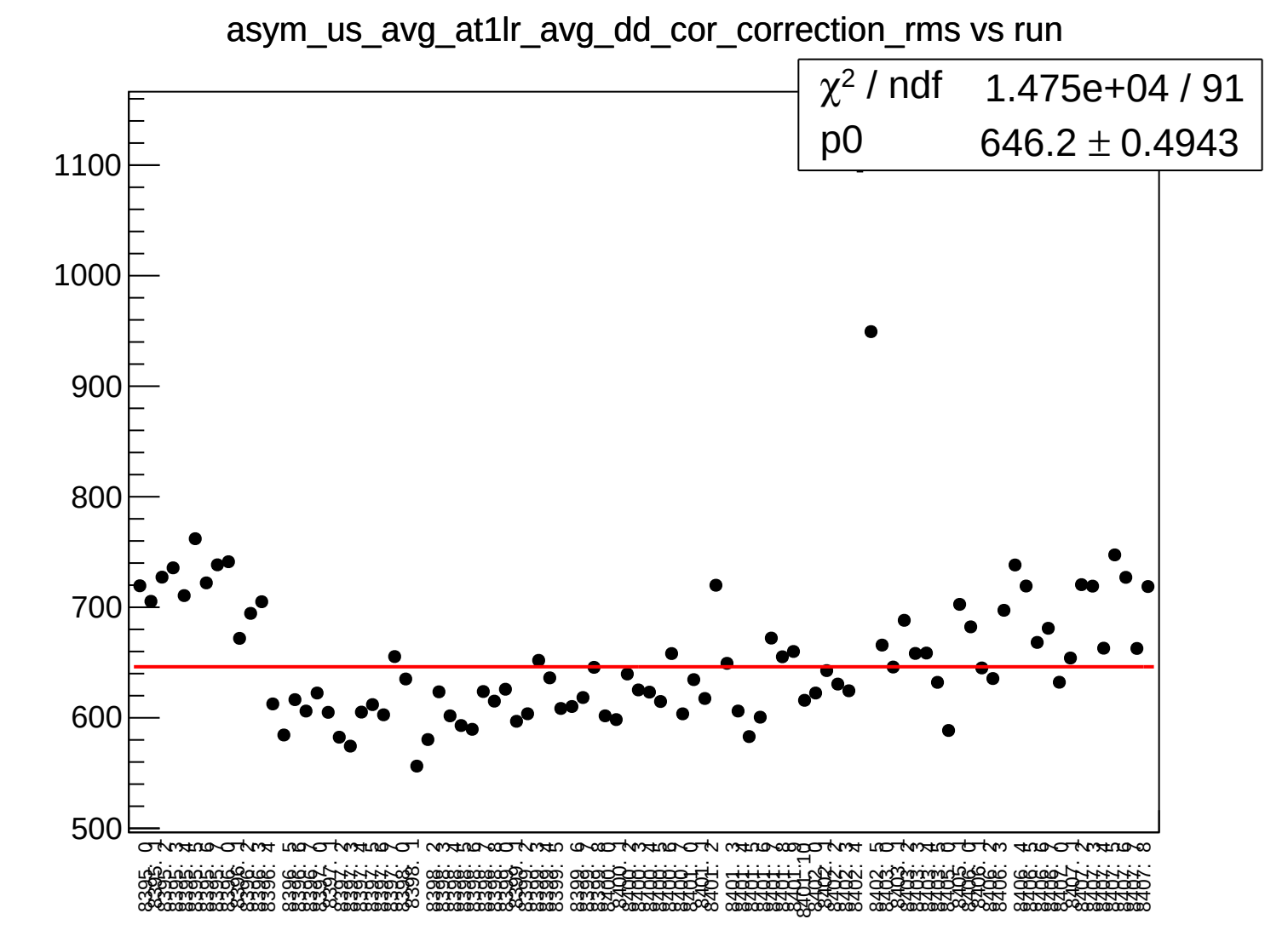

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 92.89 / 91
p0 −207.9 ± 699.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −664.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001294
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

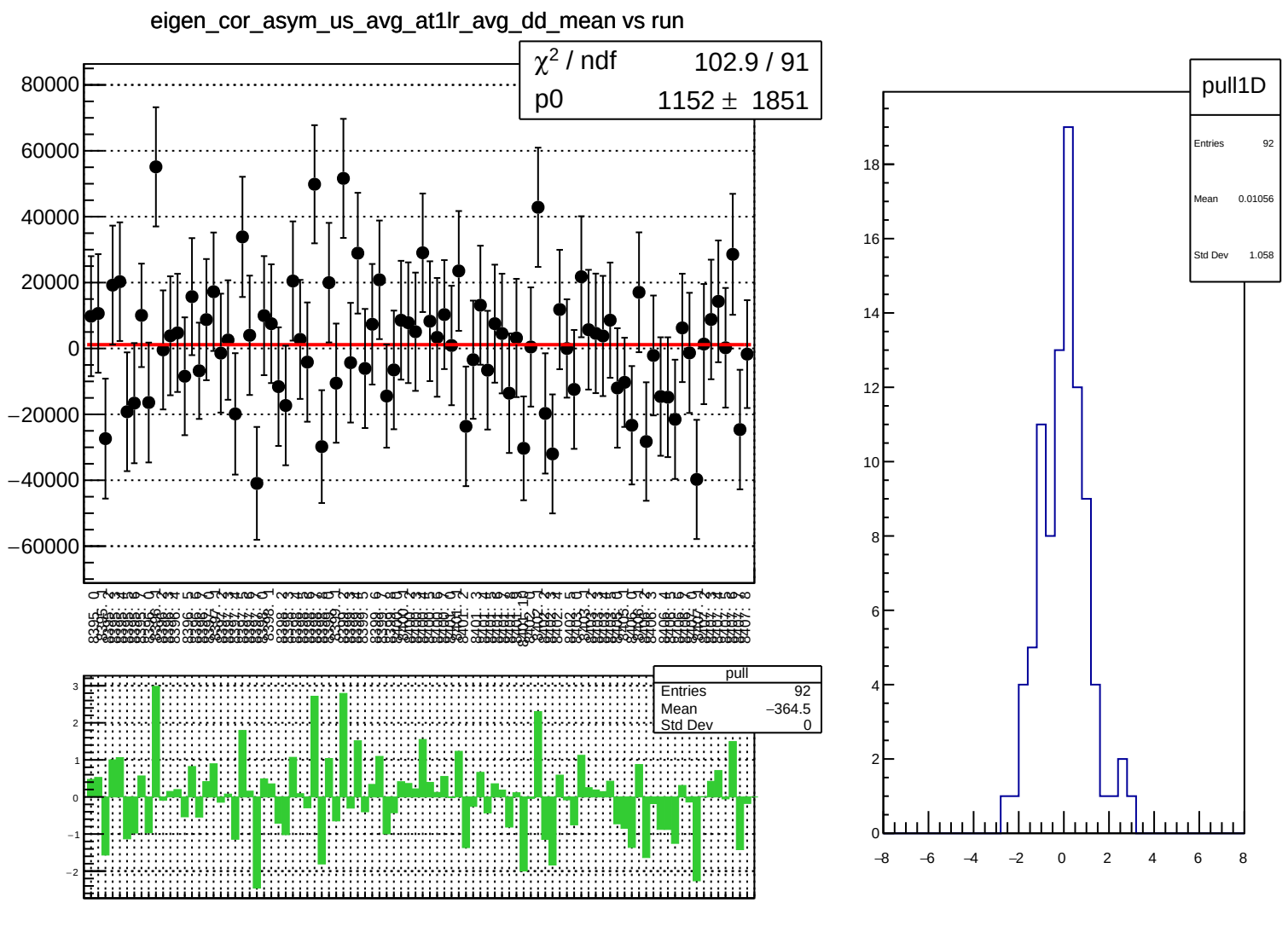

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1.475e+04 / 91
p0 646.2 ± 0.4943
1100
1000
900
800
700
600
500

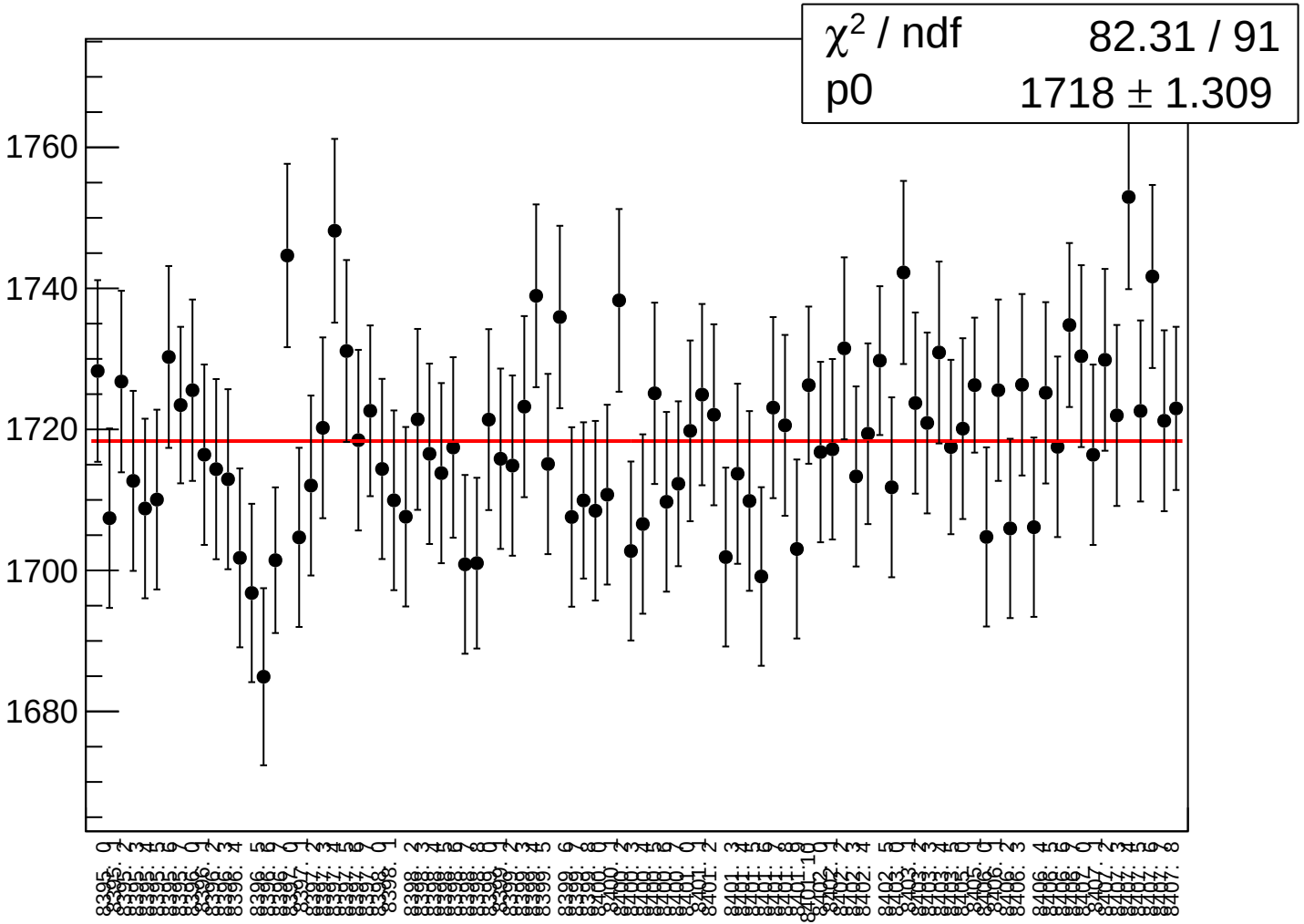

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 102.9 / 91
p0 1152 ± 1851
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −364.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.01056
Std Dev 1.058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

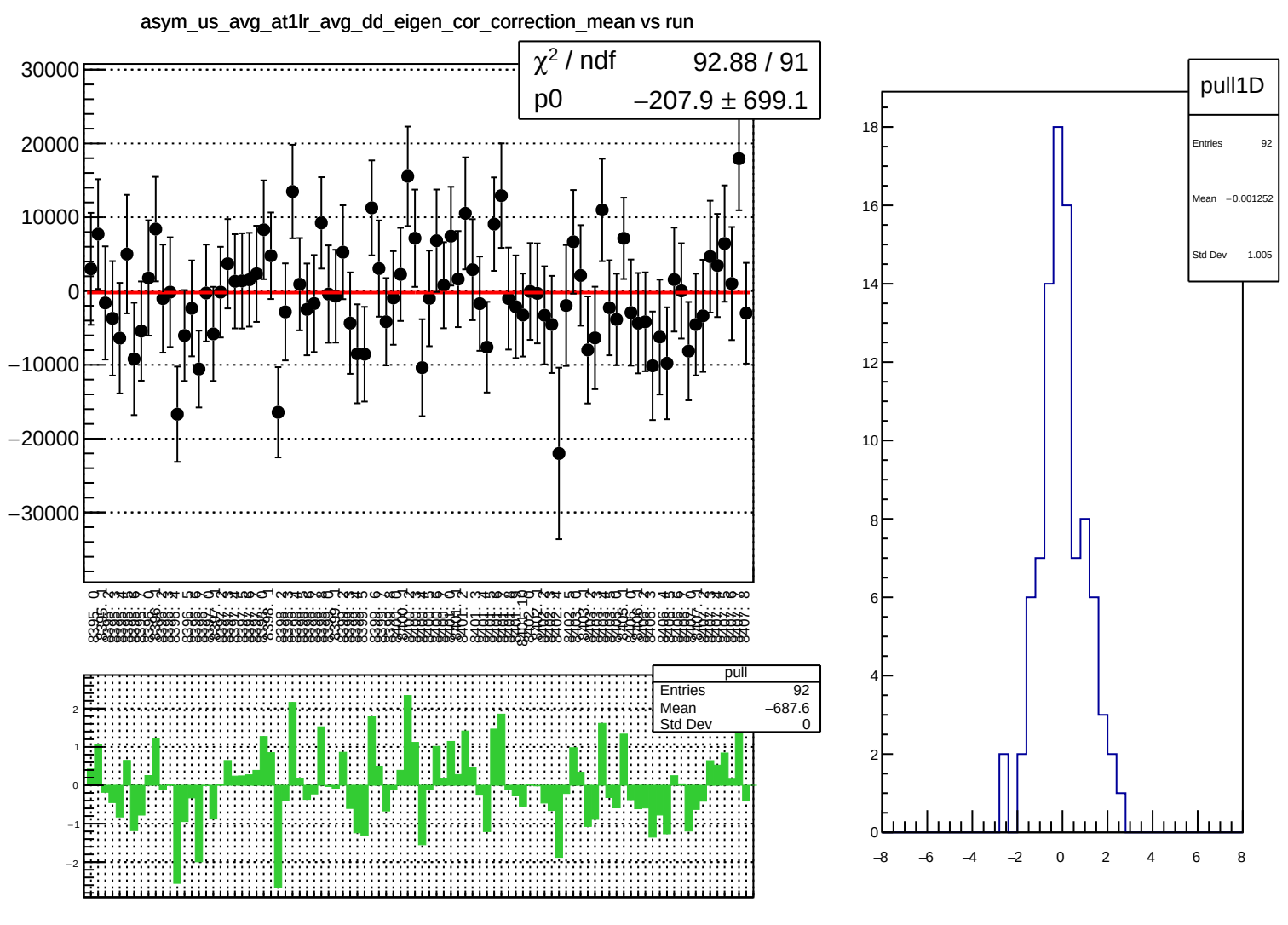

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 82.31 / 91
p0 1718 ± 1.309
1760
1740
1720
1700
1680

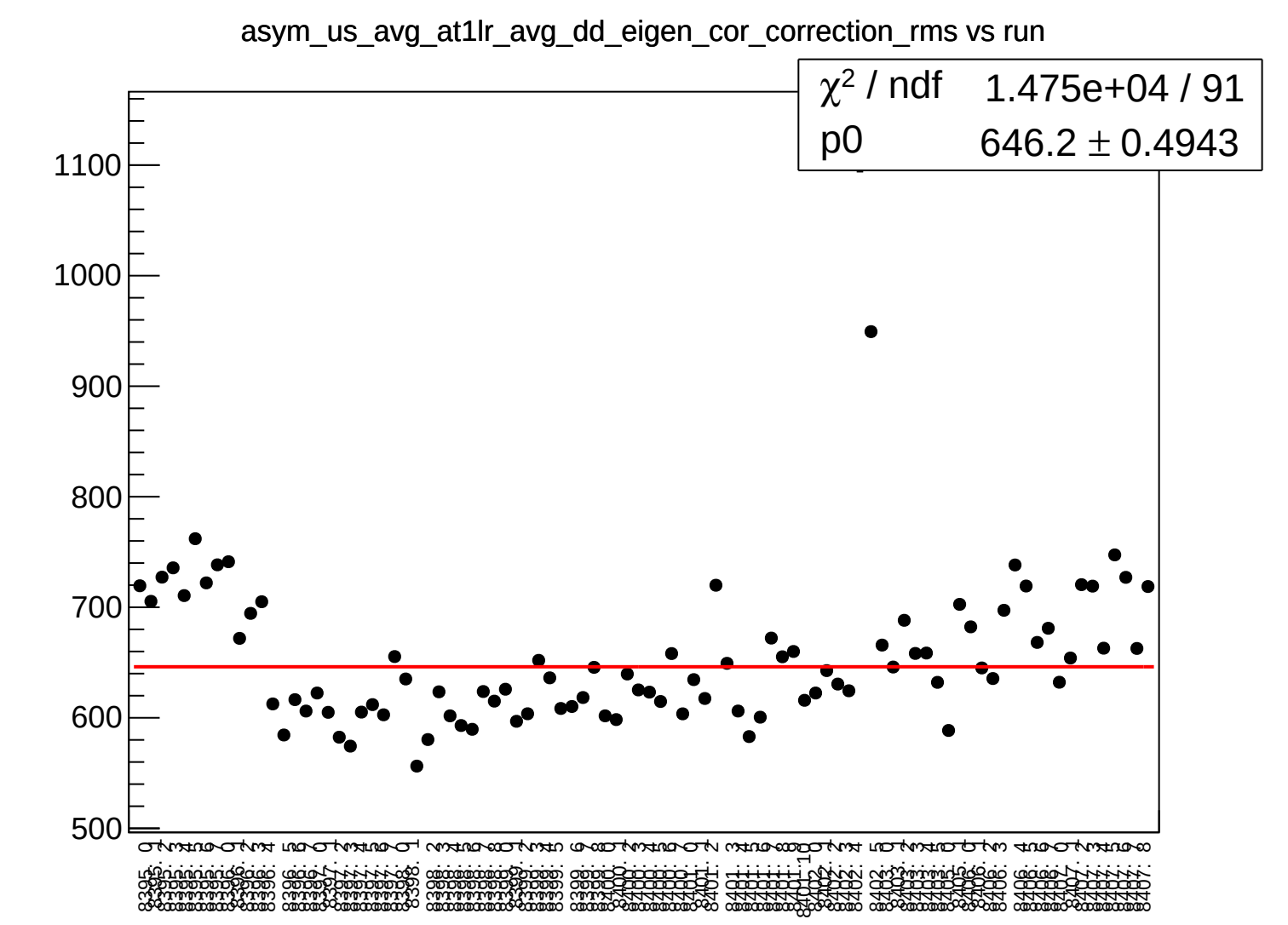

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 92.88 / 91
p0 −207.9 ± 699.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −687.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001252
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

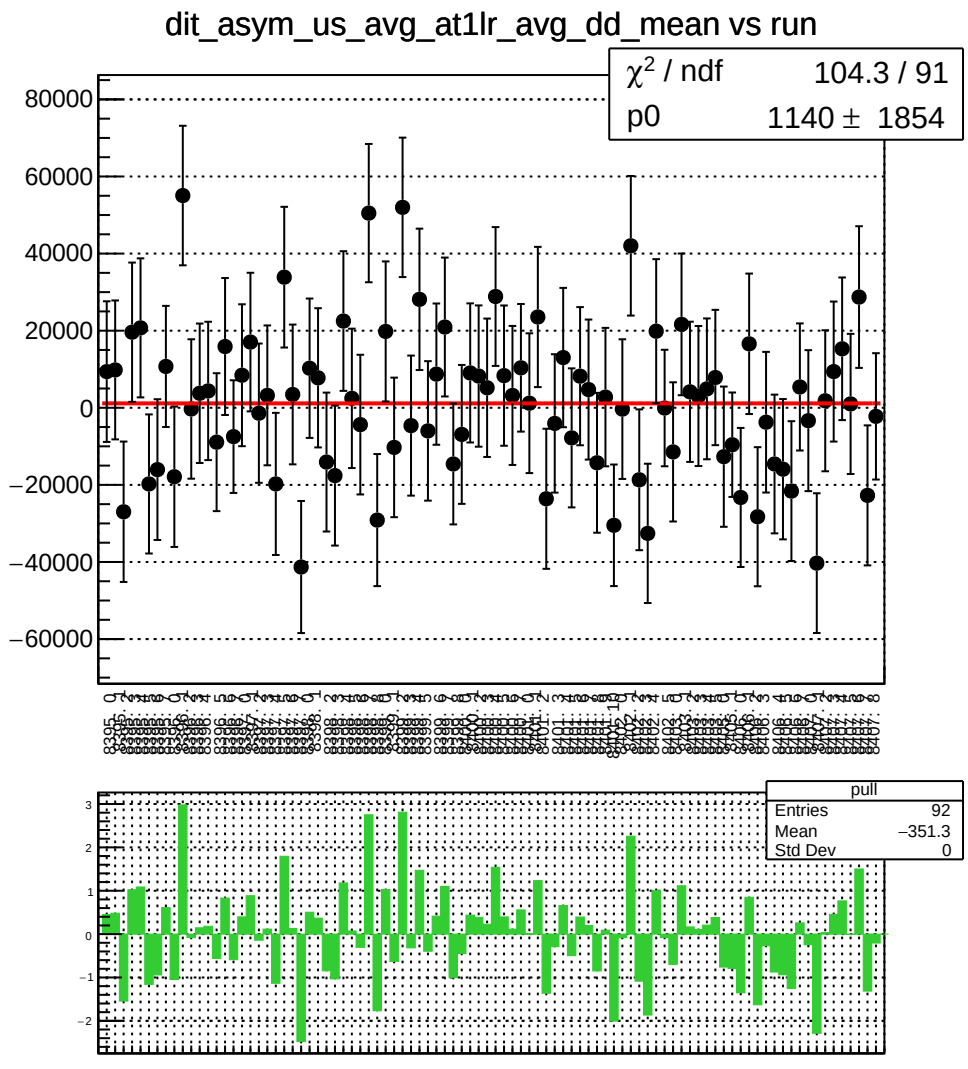

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1.475e+04 / 91
p0 646.2 ± 0.4943
1100
1000
900
800
700
600
500

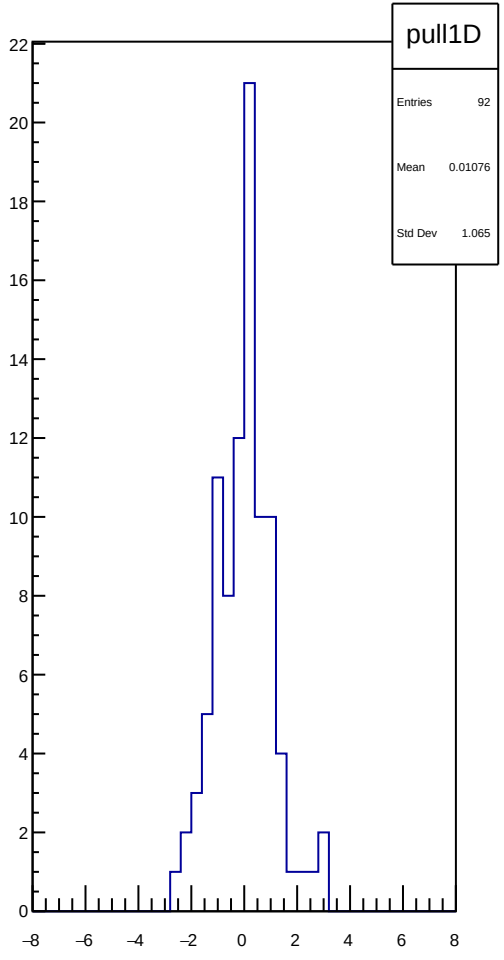

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 102.9 / 91
p0 1152 ± 1851
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −364.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.01056
Std Dev 1.058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

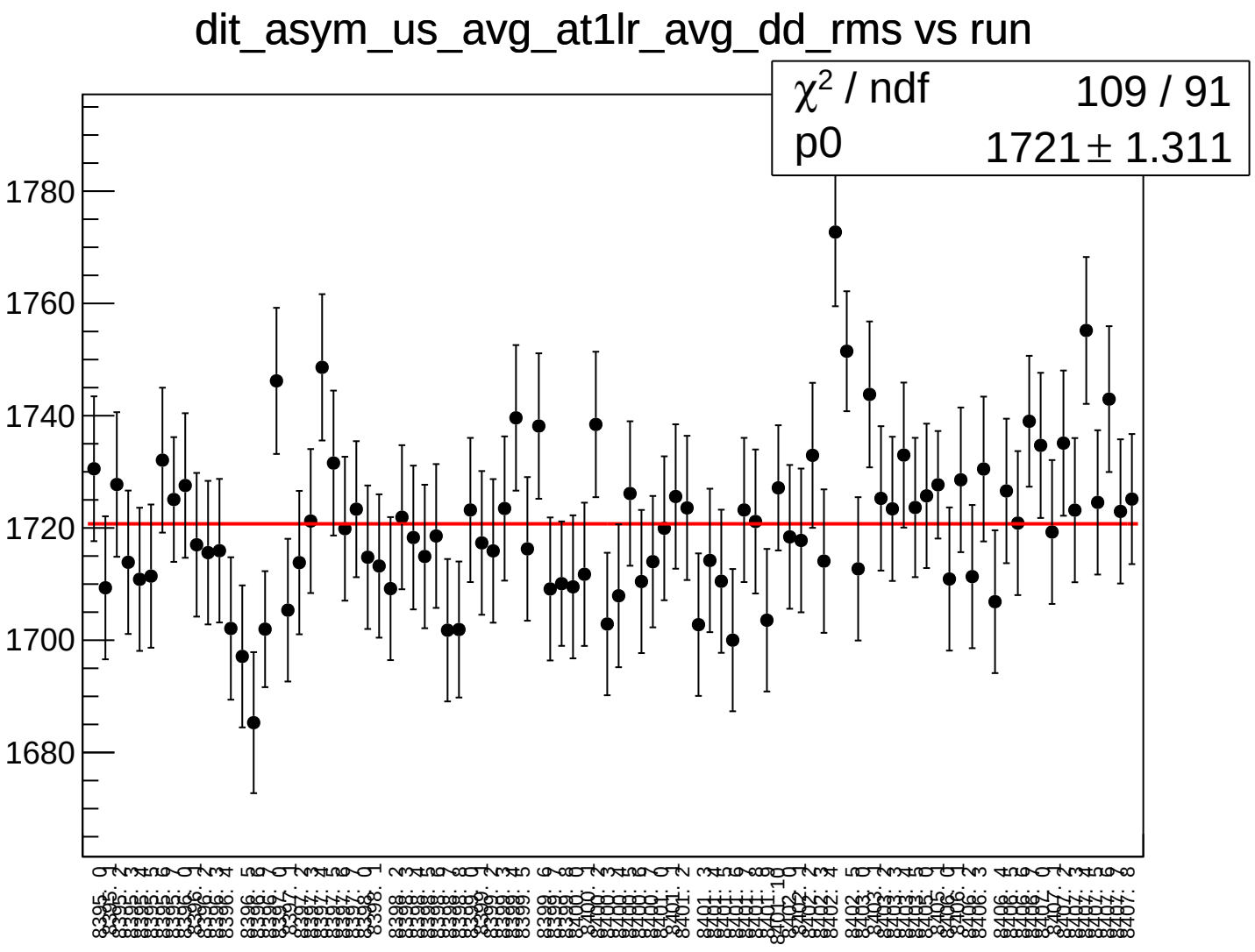

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 82.31 / 91
p0 1718 ± 1.309
1760
1740
1720
1700
1680

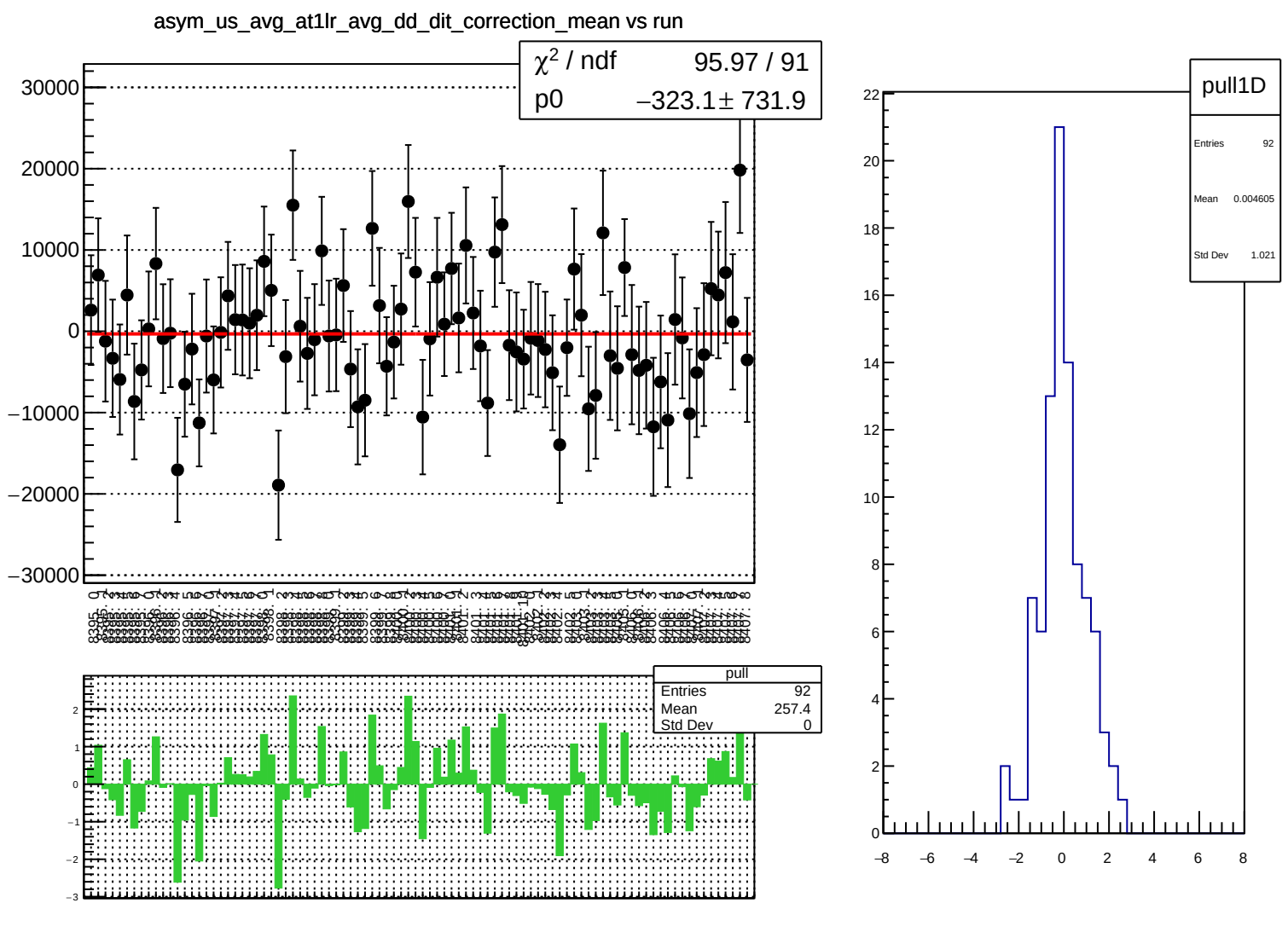

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 92.88 / 91
p0 −207.9 ± 699.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −687.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001252
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

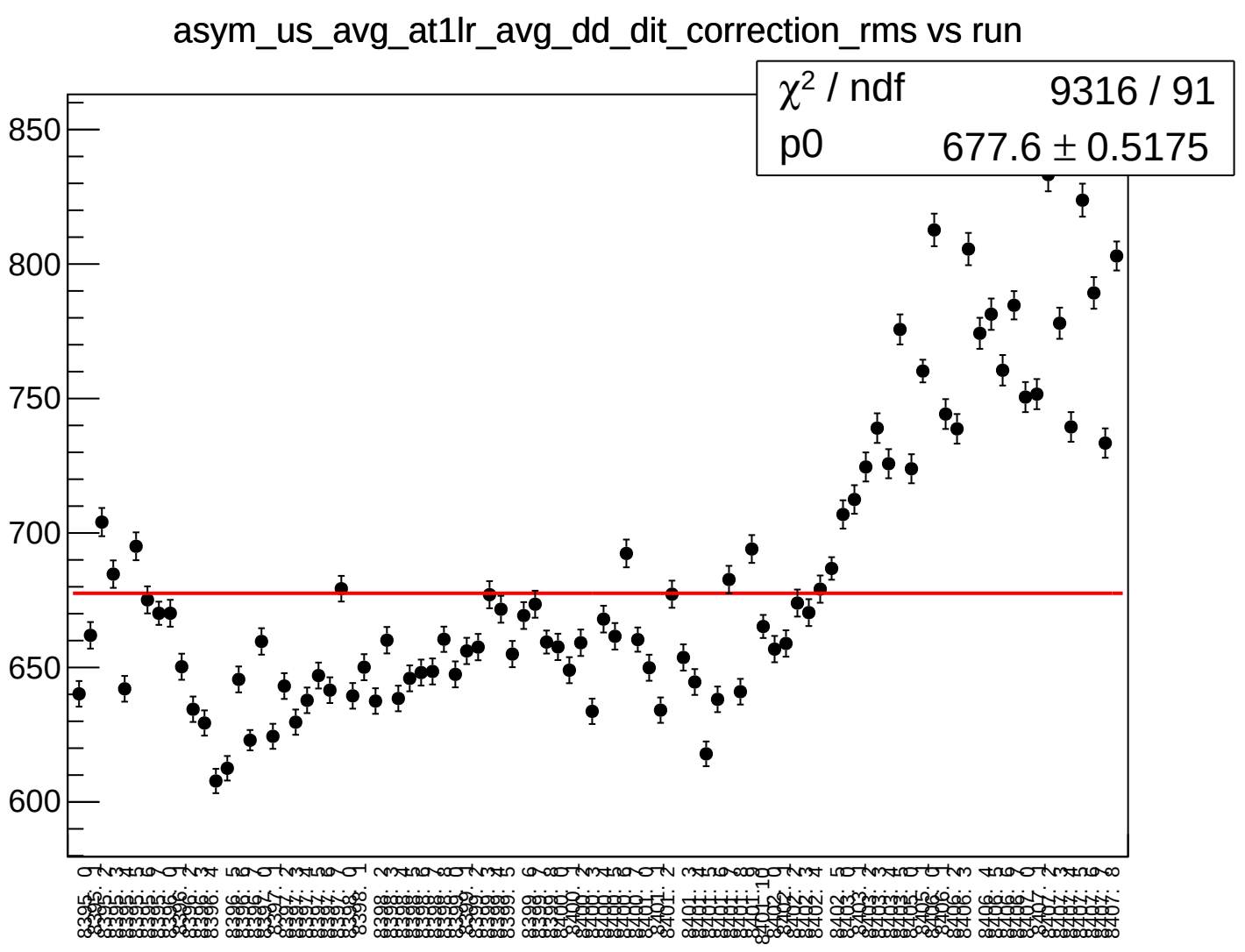

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.475e+04 / 91
p0 646.2 ± 0.4943
1100
1000
900
800
700
600
500

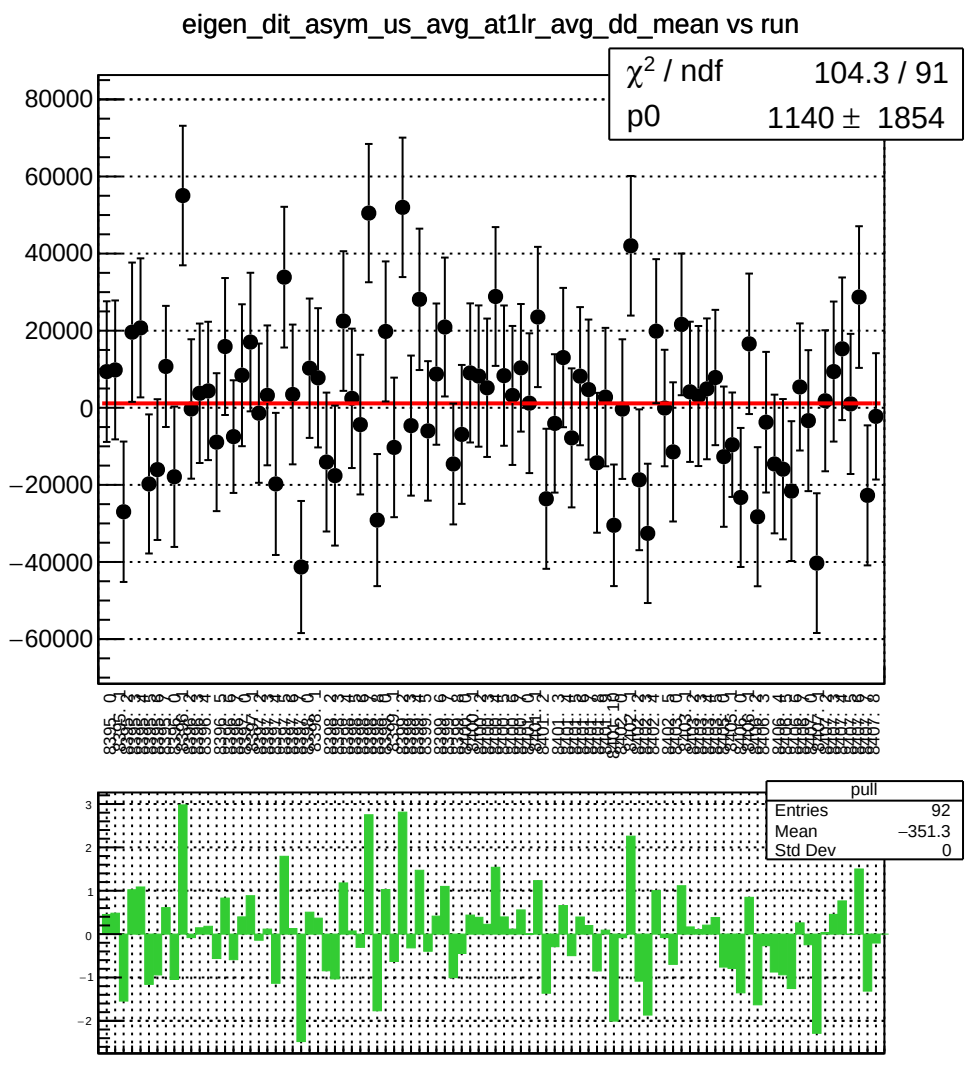

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 104.3 / 91
p0 1140 ± 1854
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −351.3
Std Dev 0
3
2
1
0
−1
−2

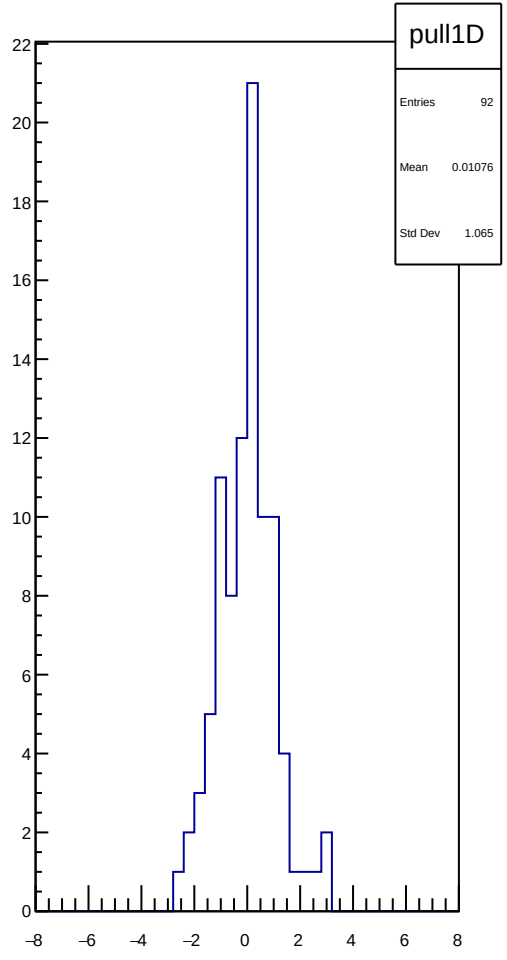

pull1D
Entries 92
Mean 0.01076
Std Dev 1.065
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

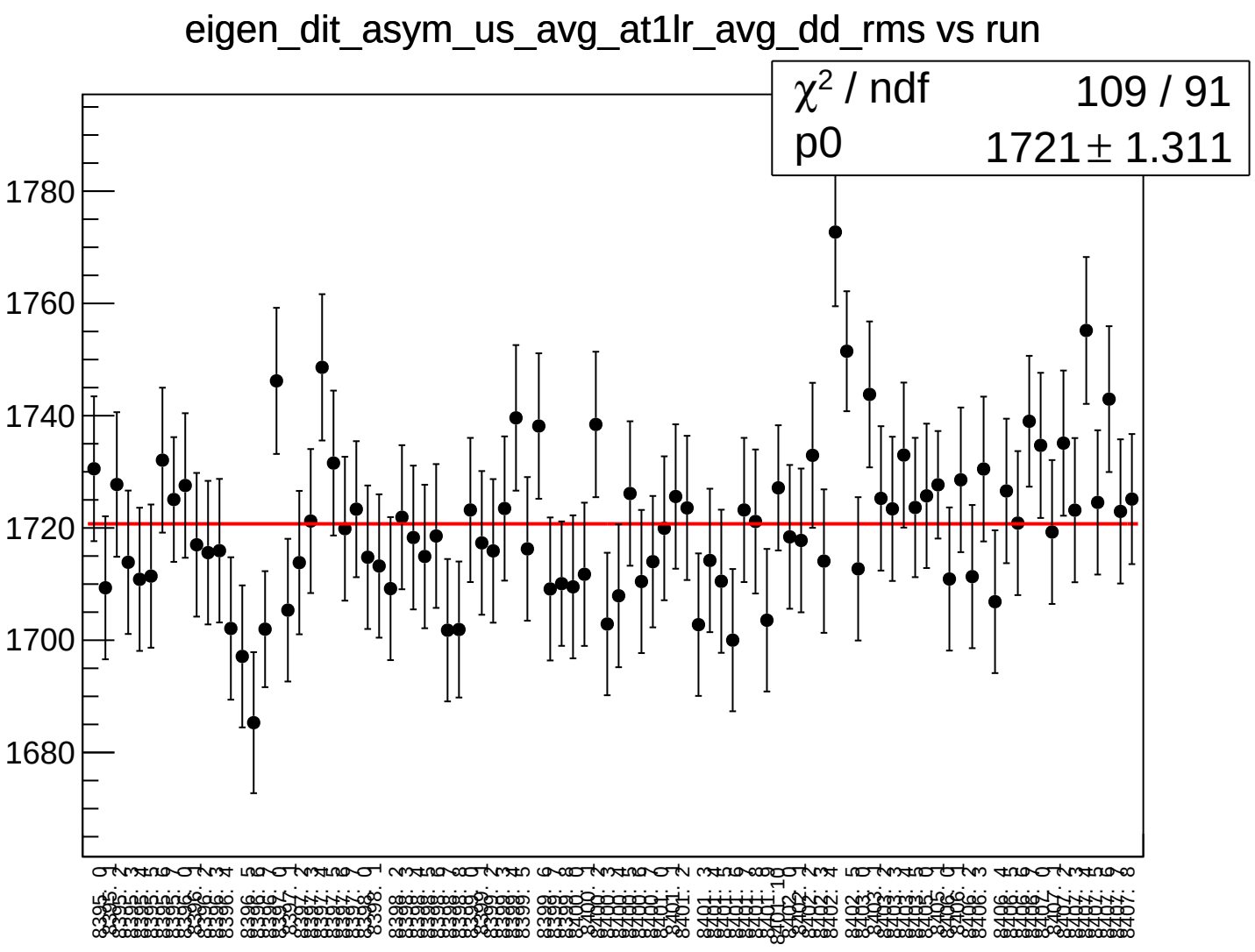

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 109 / 91
p0 1721 ± 1.311
1780
1760
1740
1720
1700
1680

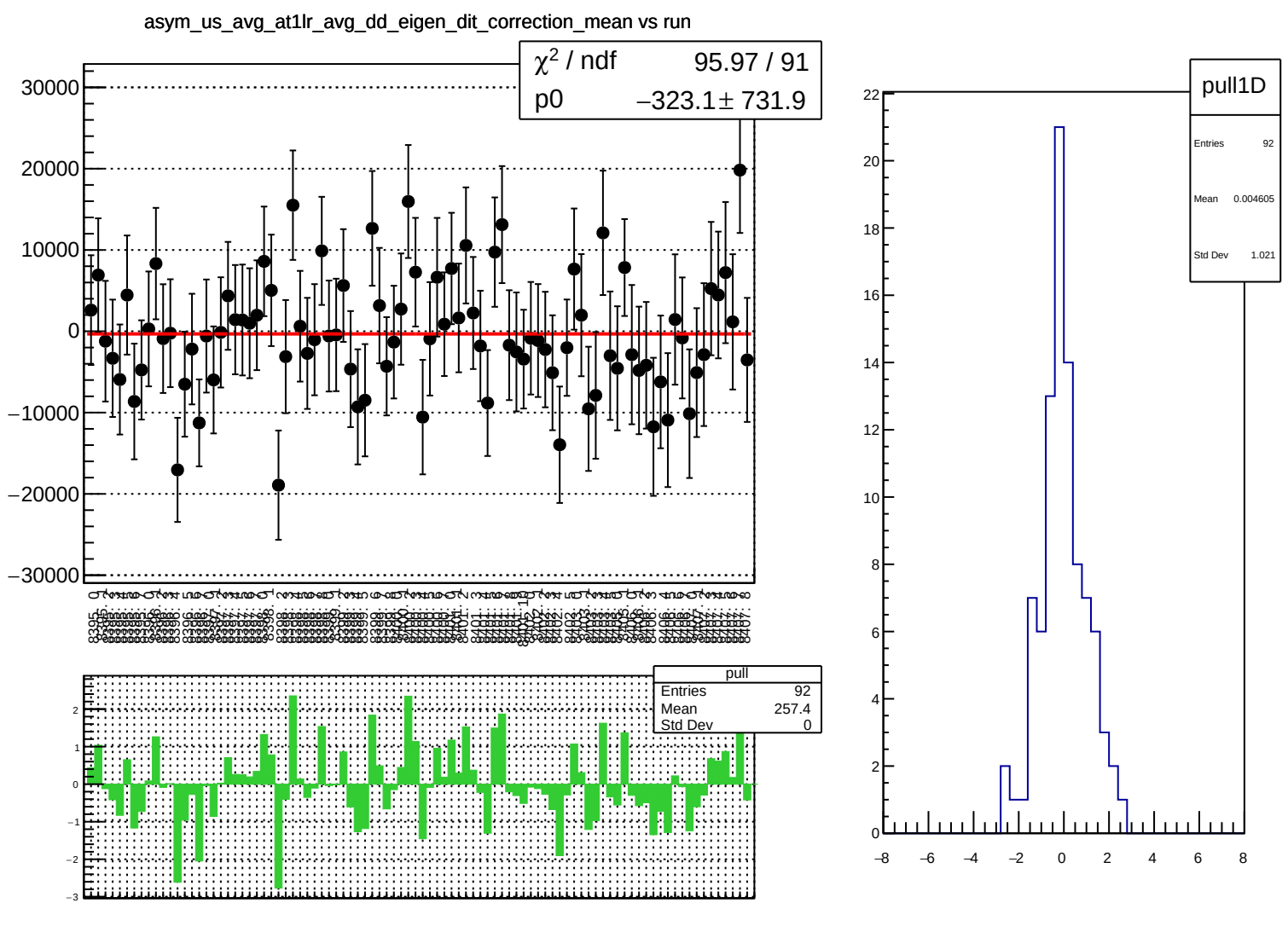

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 95.97 / 91
p0 −323.1± 731.9
pull
Entries 92
Mean 257.4
Std Dev 0
pull1D
Entries 92
Mean 0.004605
Std Dev 1.021

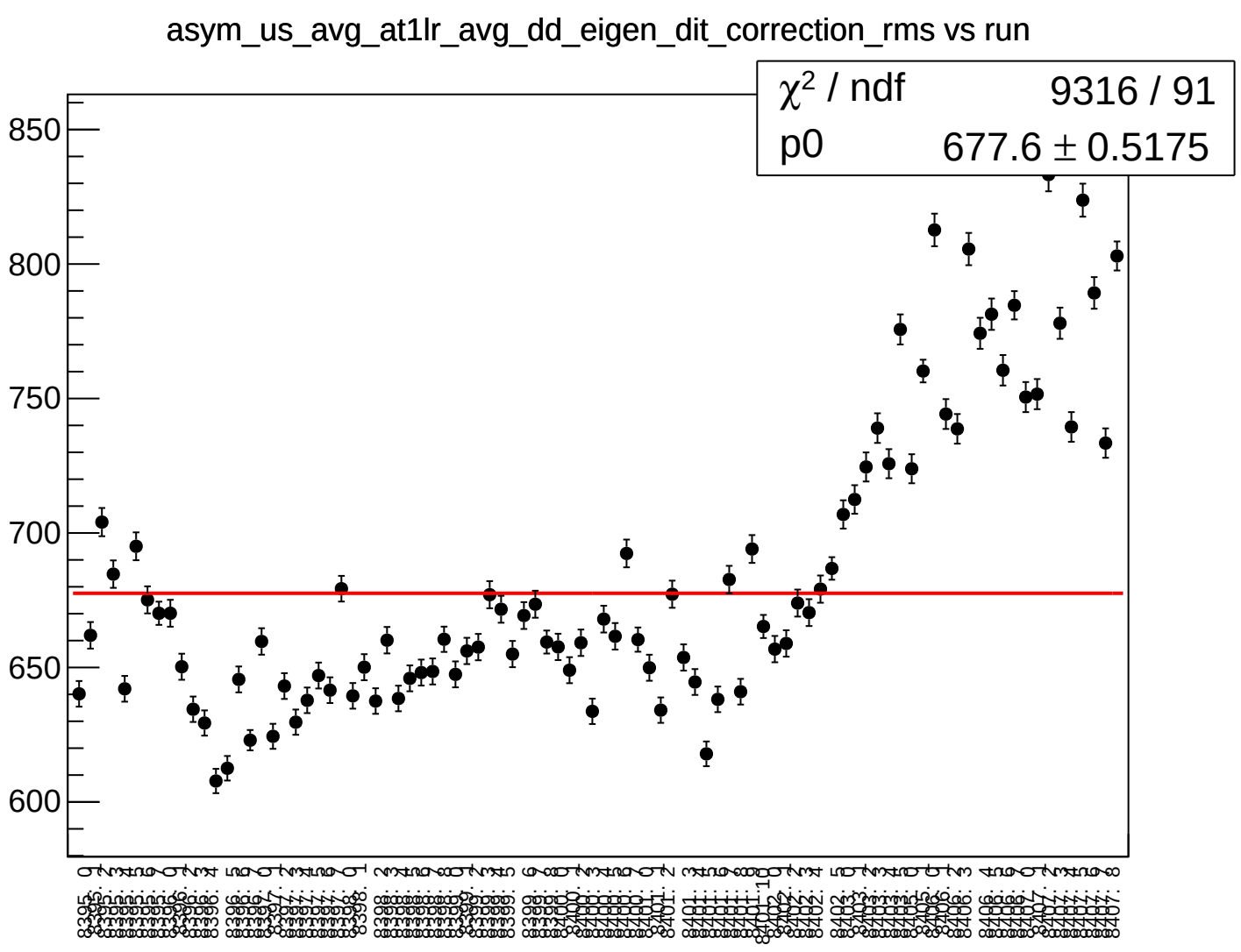

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 9316 / 91
p0 677.6 ± 0.5175
850
800
750
700
650
600

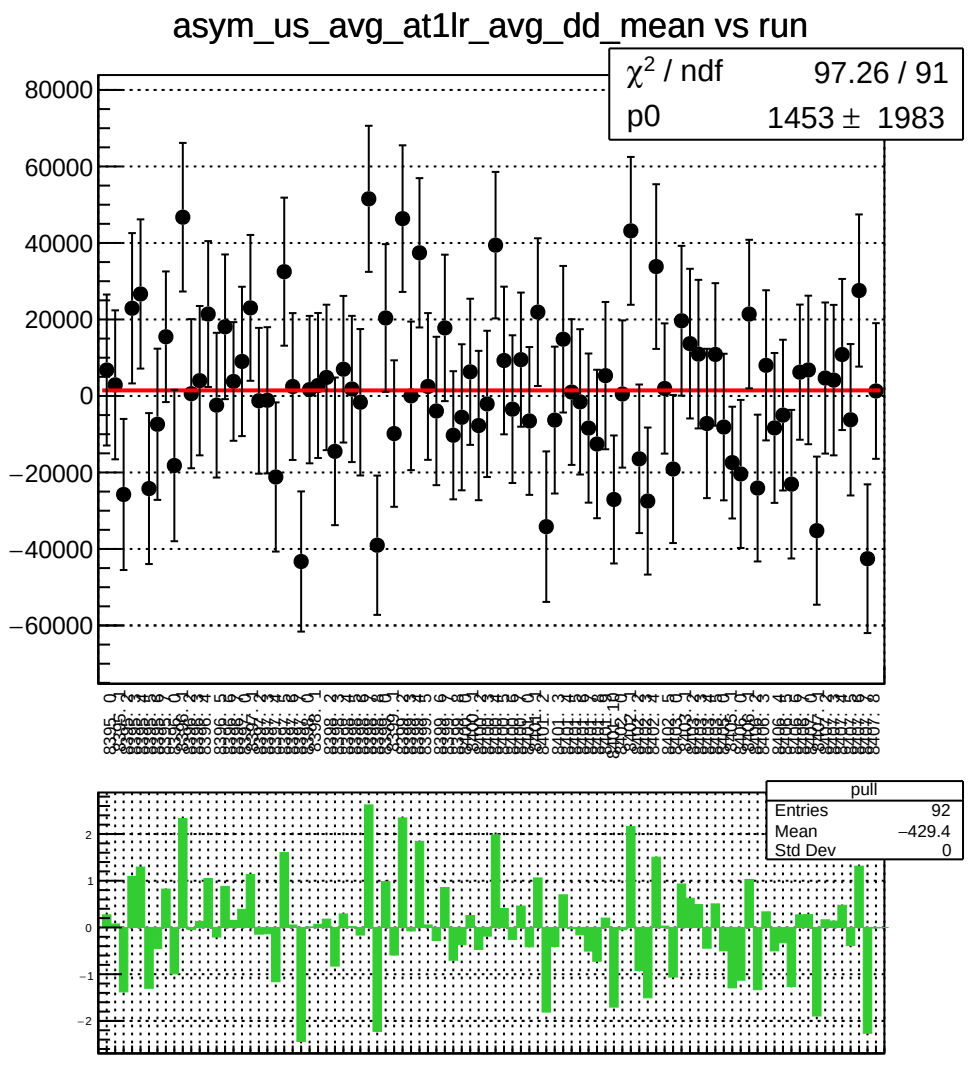

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 104.3 / 91
p0 1140 ± 1854
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −351.3
Std Dev 0
3
2
1
0
−1
−2

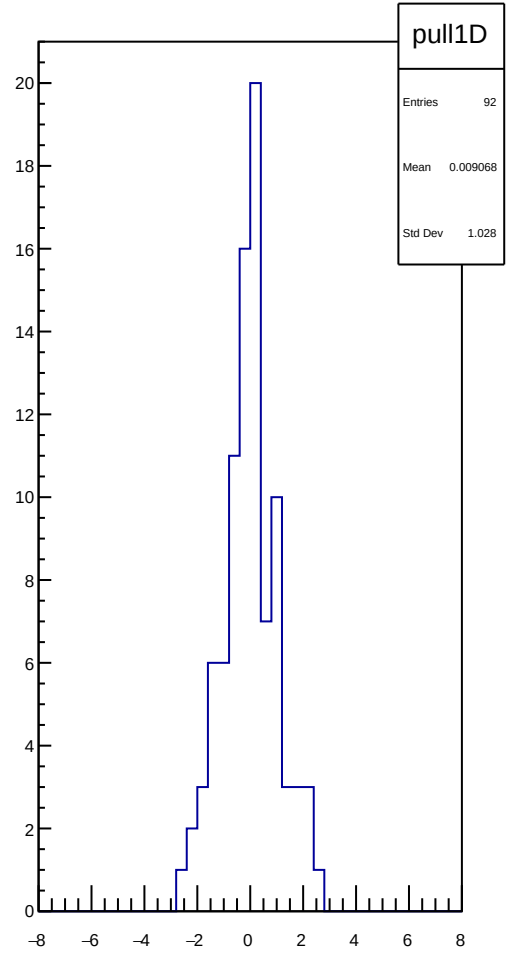

pull1D
Entries 92
Mean 0.01076
Std Dev 1.065
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

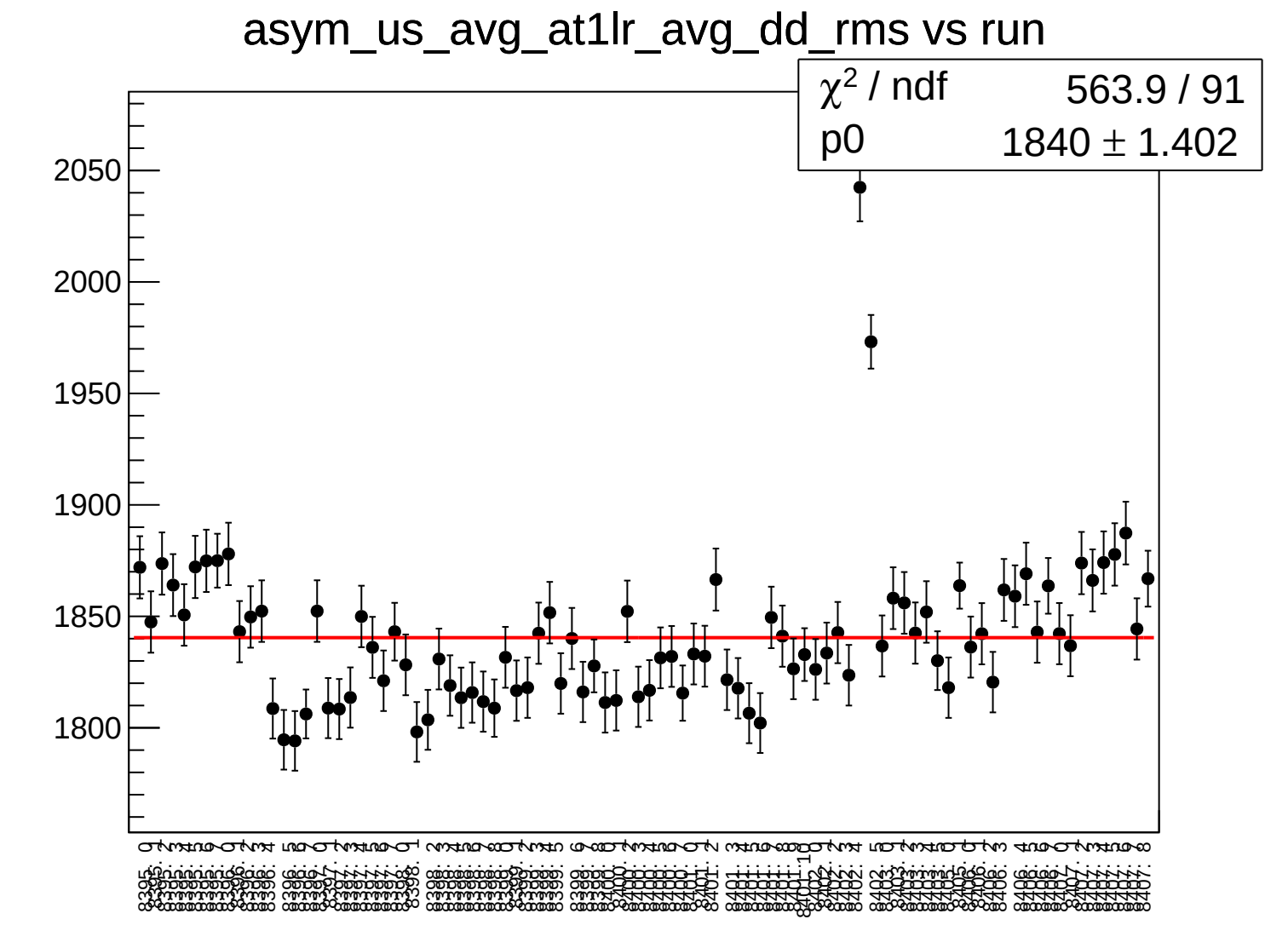

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 109 / 91
p0 1721 ± 1.311
1780
1760
1740
1720
1700
1680

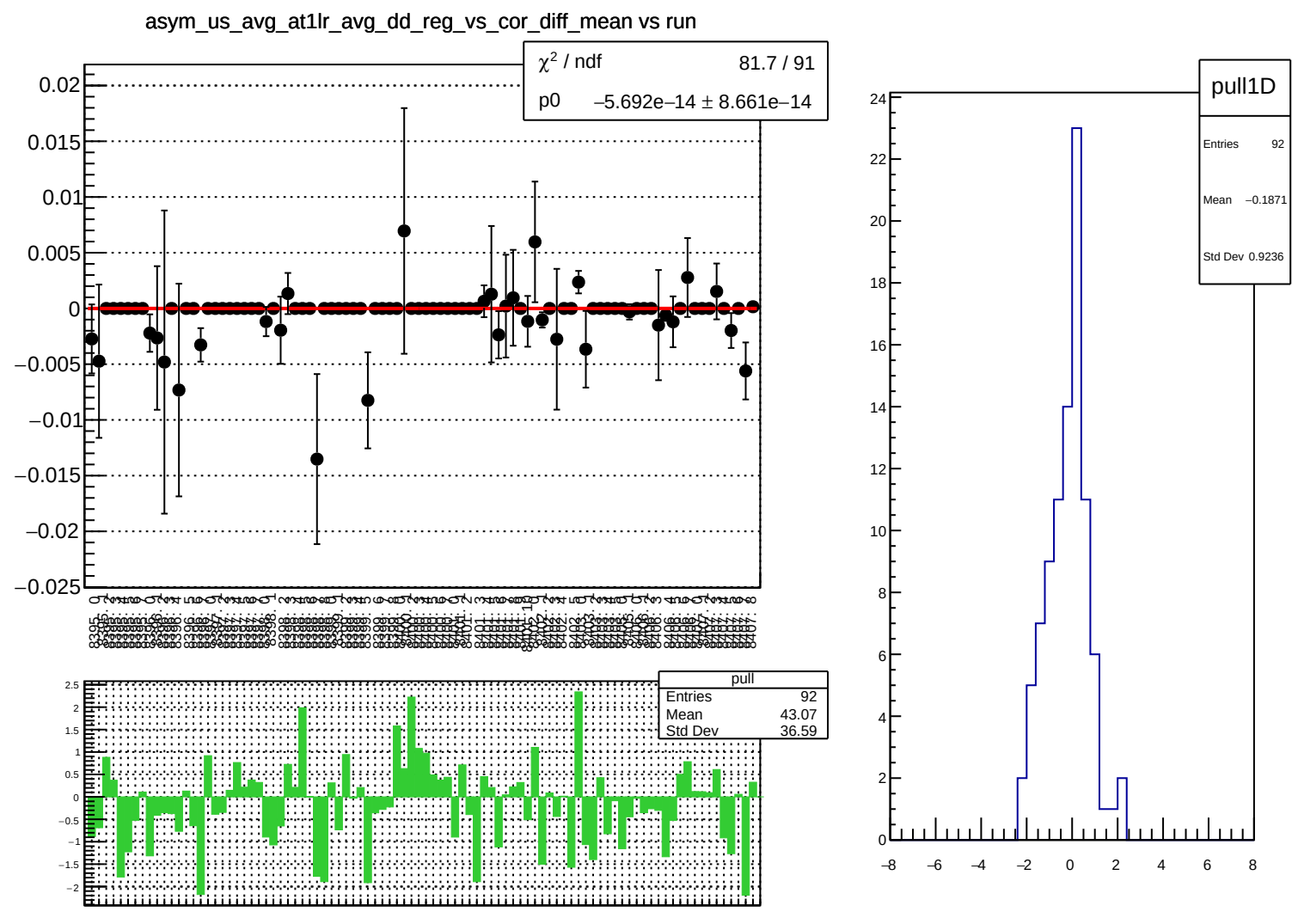

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 95.97 / 91
p0 −323.1± 731.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 257.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.004605
Std Dev 1.021
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

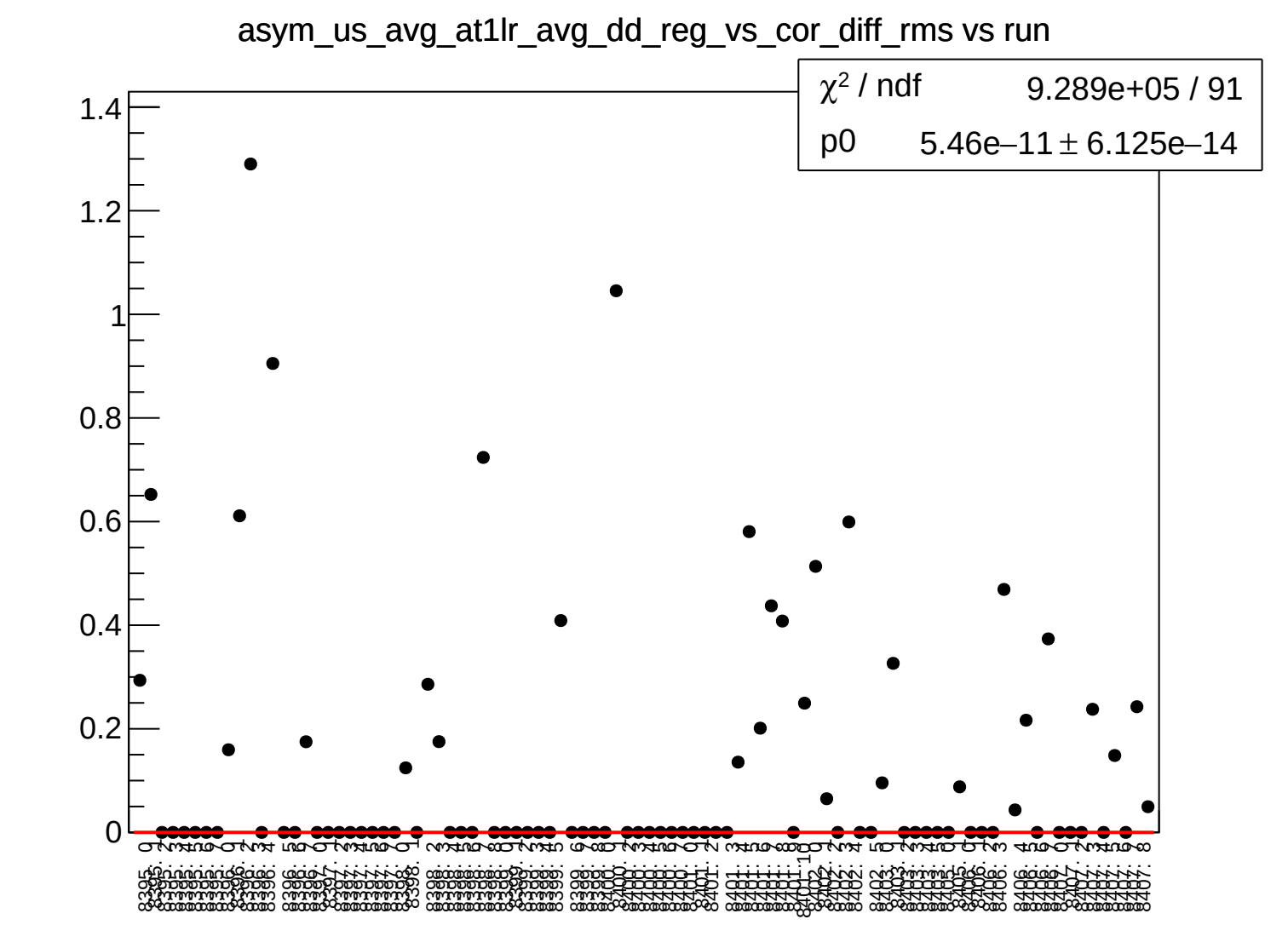

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 9316 / 91
p0 677.6 ± 0.5175
850
800
750
700
650
600

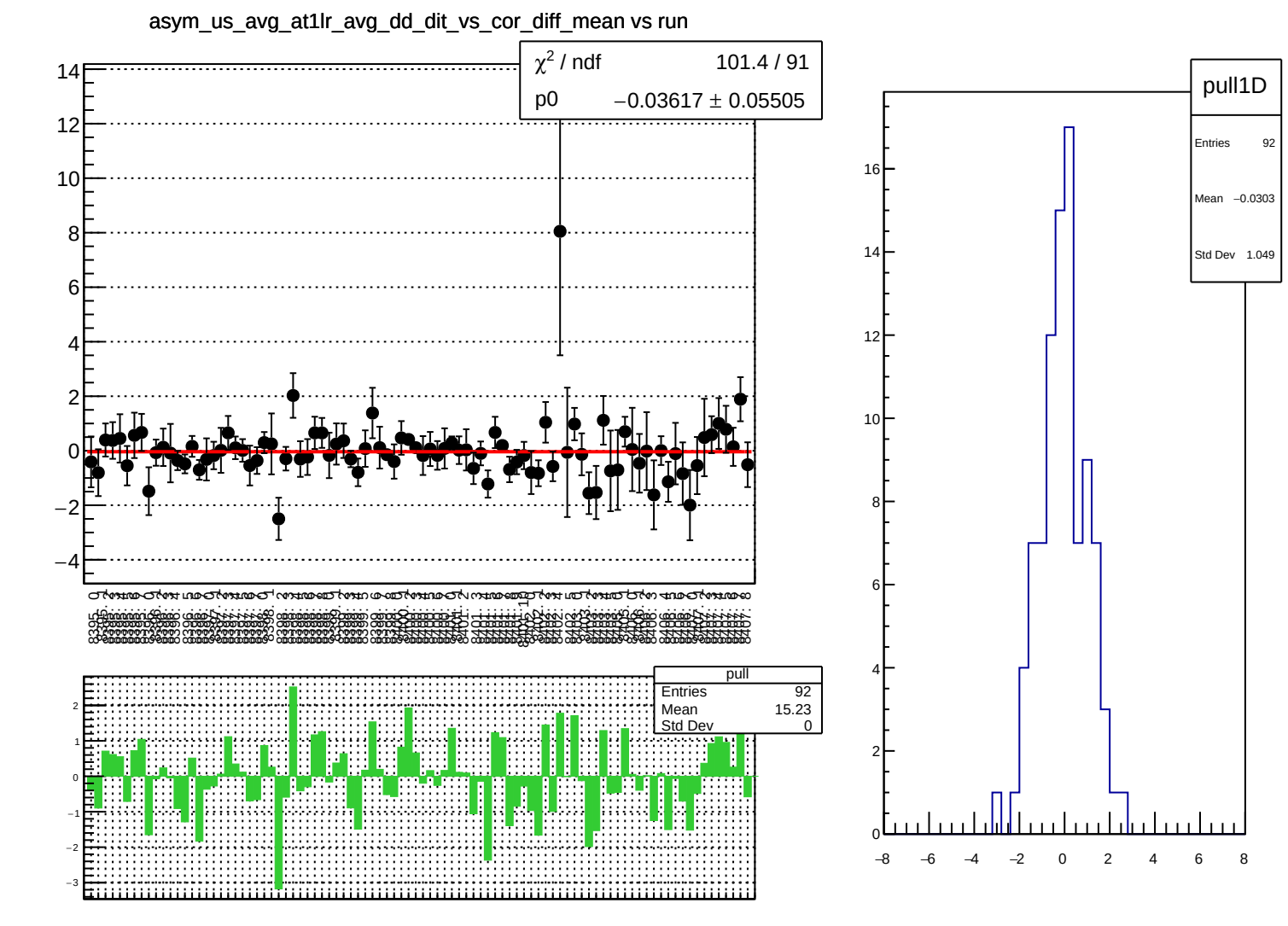

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 97.26 / 91
p0 1453 ± 1983
pull
Entries 92
Mean −429.4
Std Dev 0

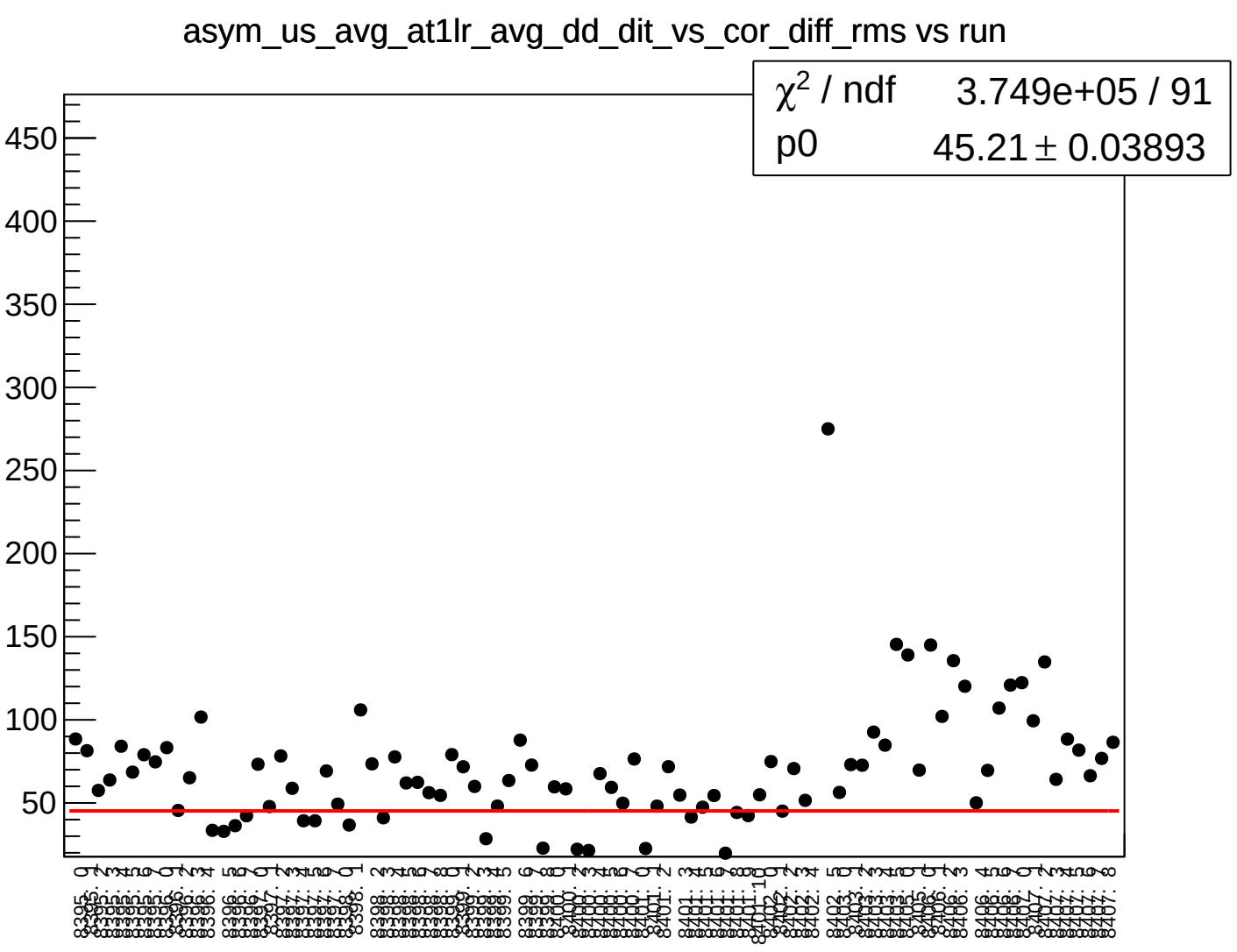

pull1D
Entries 92
Mean 0.009068
Std Dev 1.028

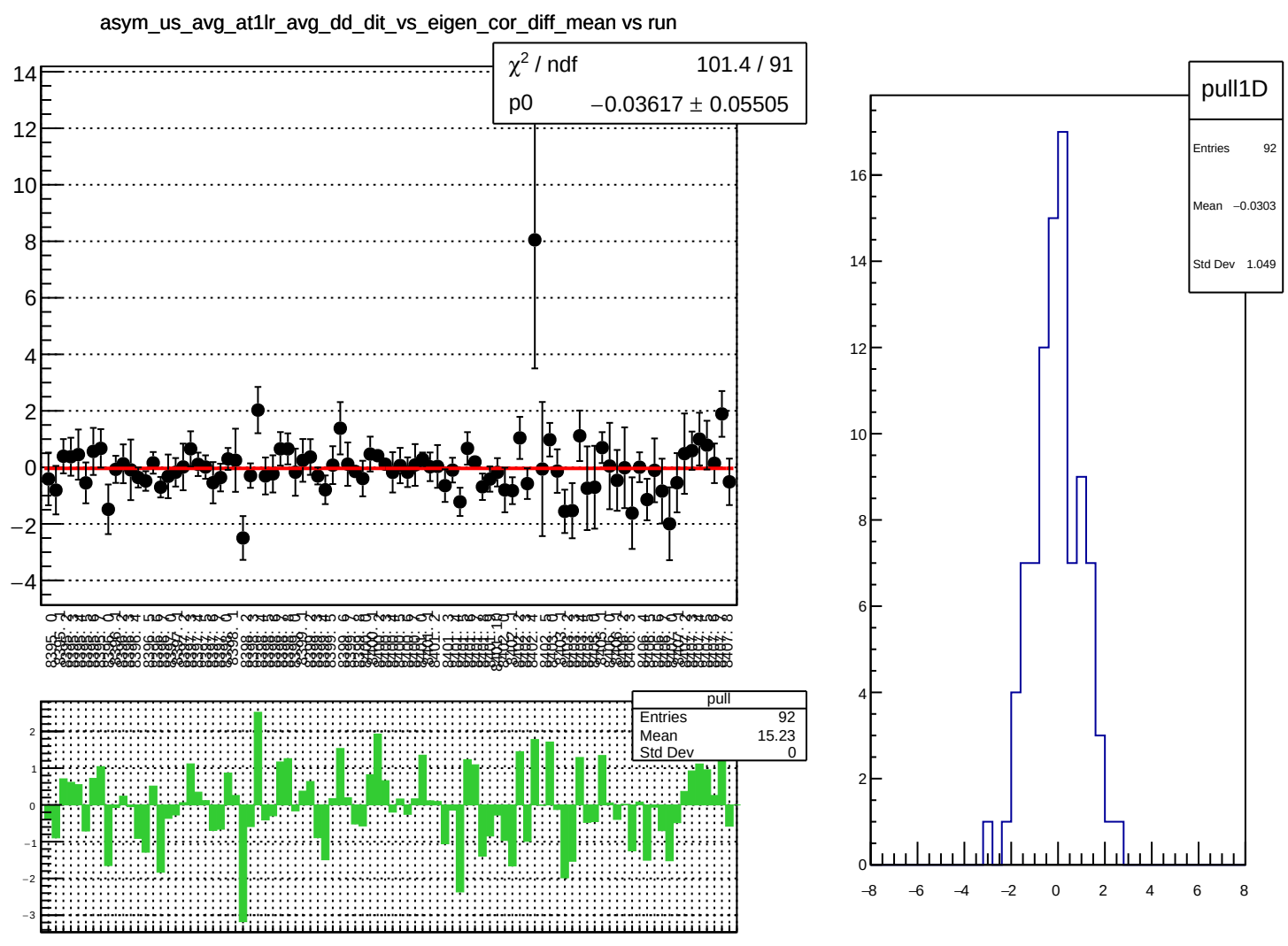

asym_us_avg_at1lr_avg_dd_rms vs run
$\chi^2$ / ndf 563.9 / 91
p0 1840 ± 1.402
2050
2000
1950
1900
1850
1800

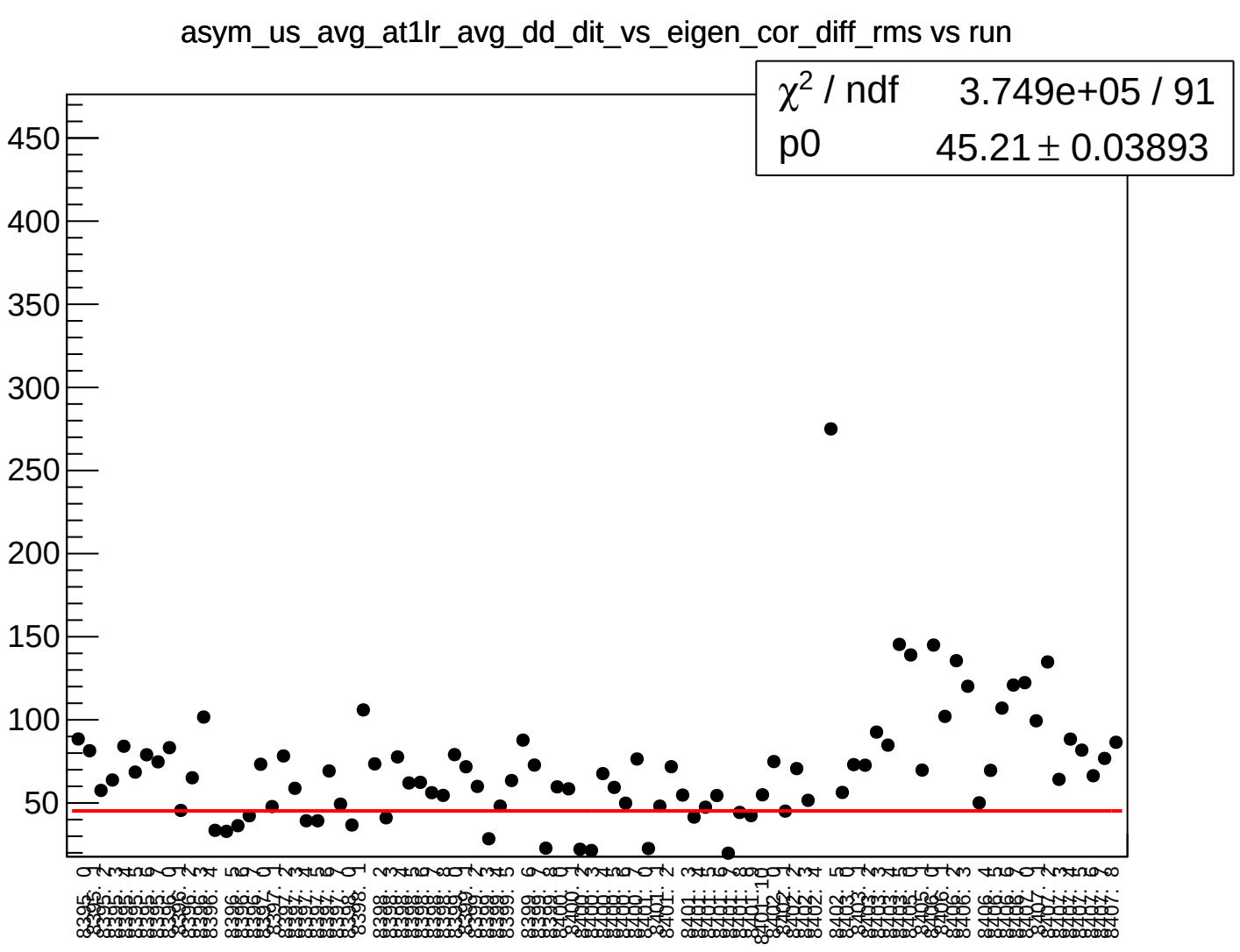

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.7 / 91
p0 −5.692e−14 ± 8.661e−14
pull
Entries 92
Mean 43.07
Std Dev 36.59
pull1D
Entries 92
Mean −0.1871
Std Dev 0.9236

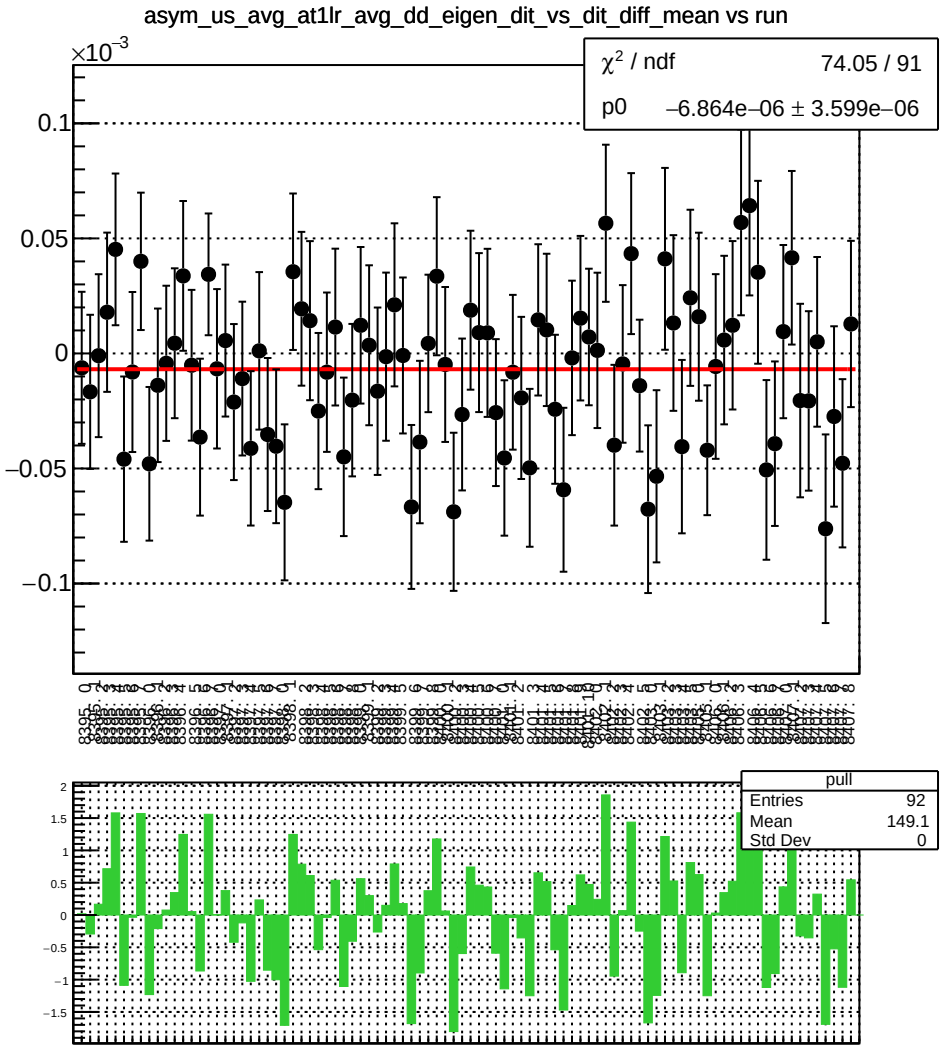

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.289e+05 / 91
p0 5.46e−11 ± 6.125e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

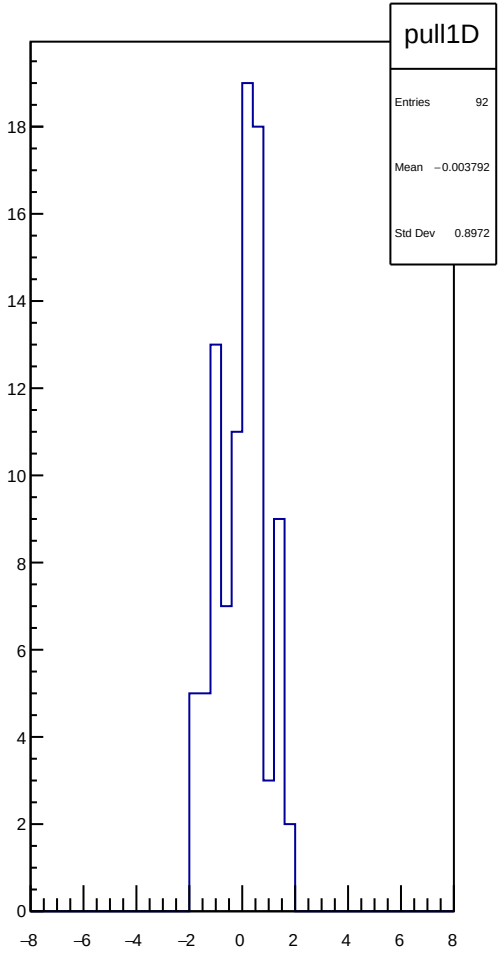

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 101.4 / 91
p0 −0.03617 ± 0.05505
pull
Entries 92
Mean 15.23
Std Dev 0
pull1D
Entries 92
Mean −0.0303
Std Dev 1.049

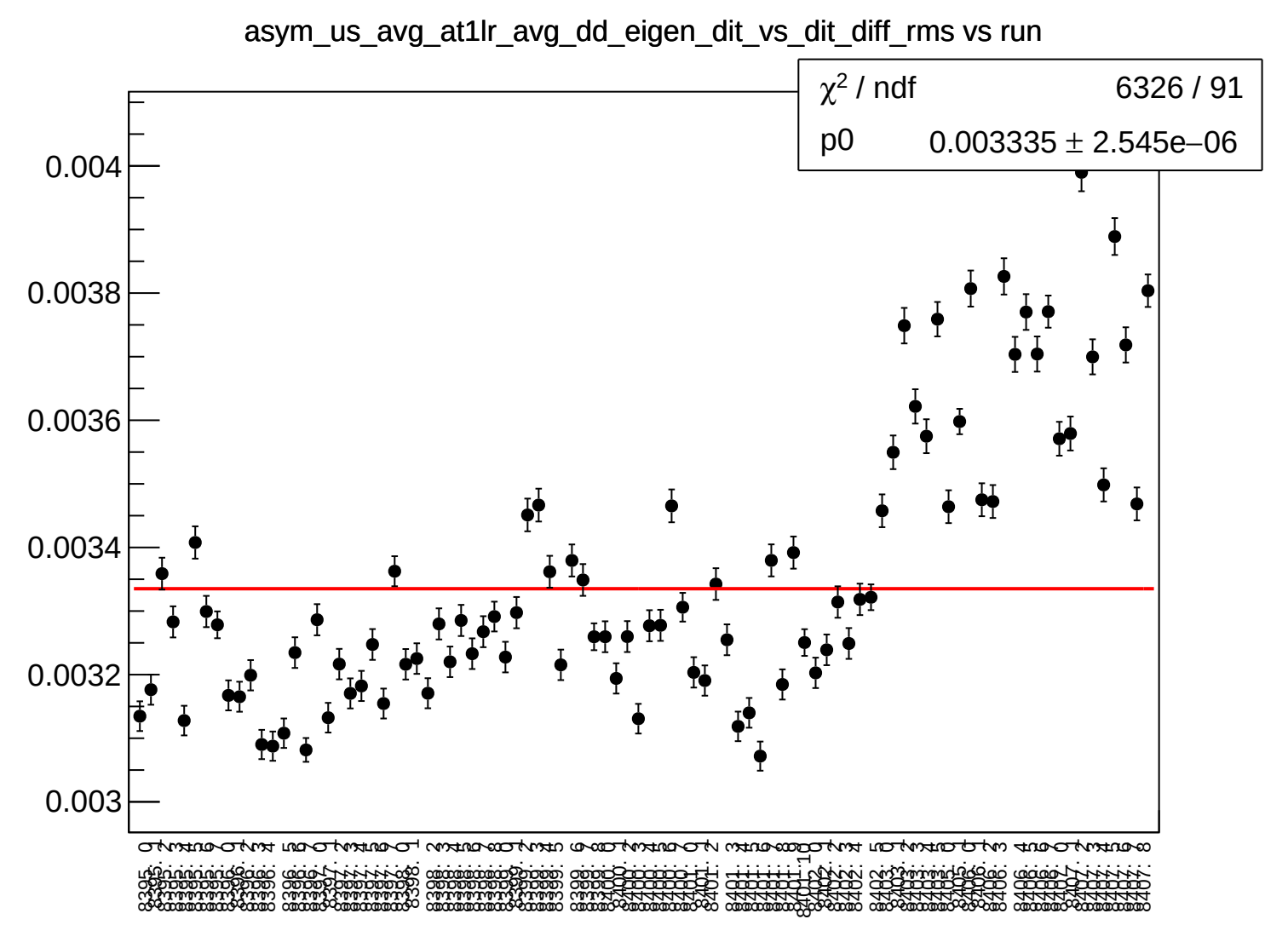

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 3.749e+05 / 91
p0 45.21 ± 0.03893
450
400
350
300
250
200
150
100
50

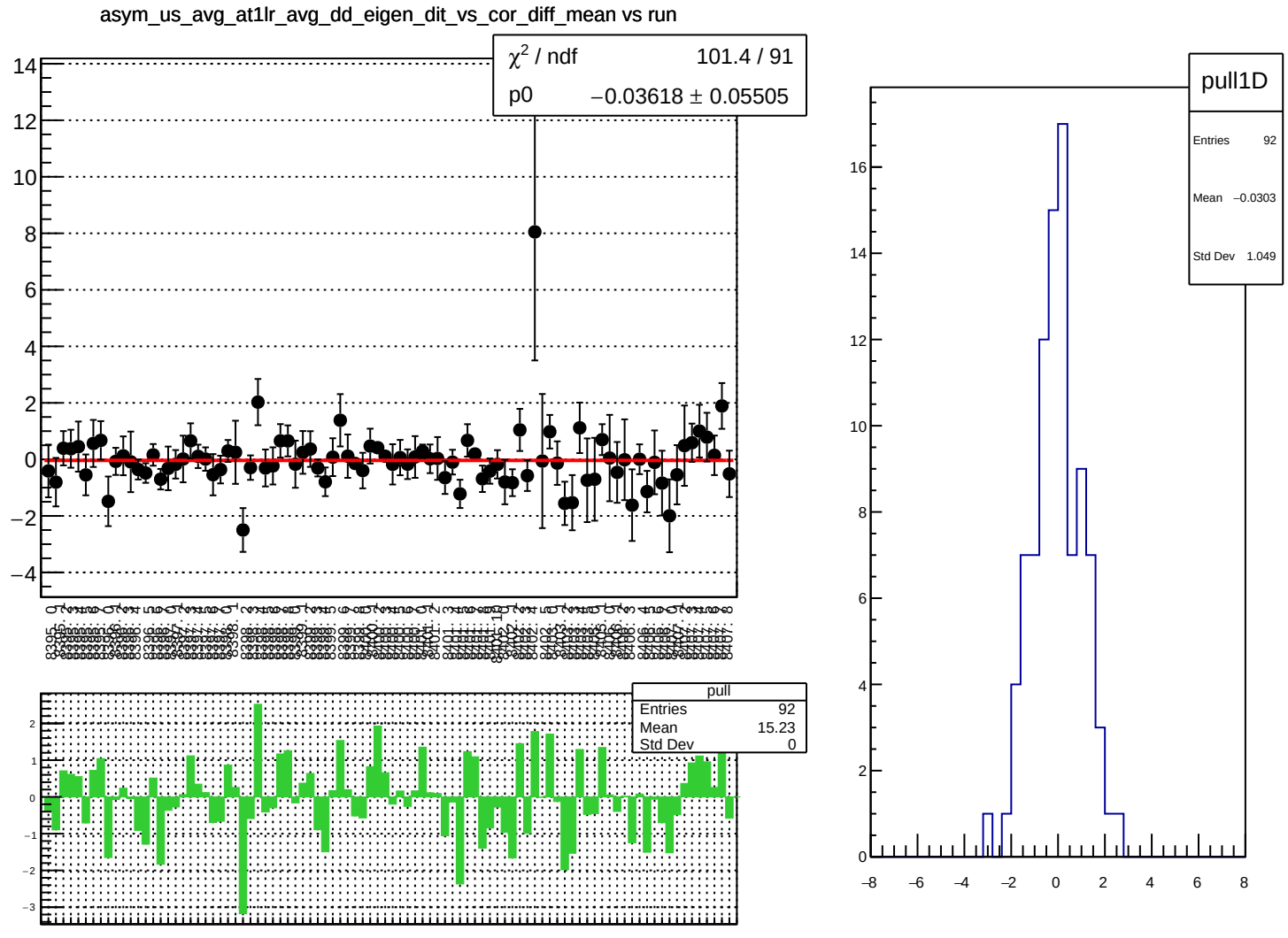

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.4 / 91
p0 −0.03617 ± 0.05505
pull
Entries 92
Mean 15.23
Std Dev 0
pull1D
Entries 92
Mean −0.0303
Std Dev 1.049

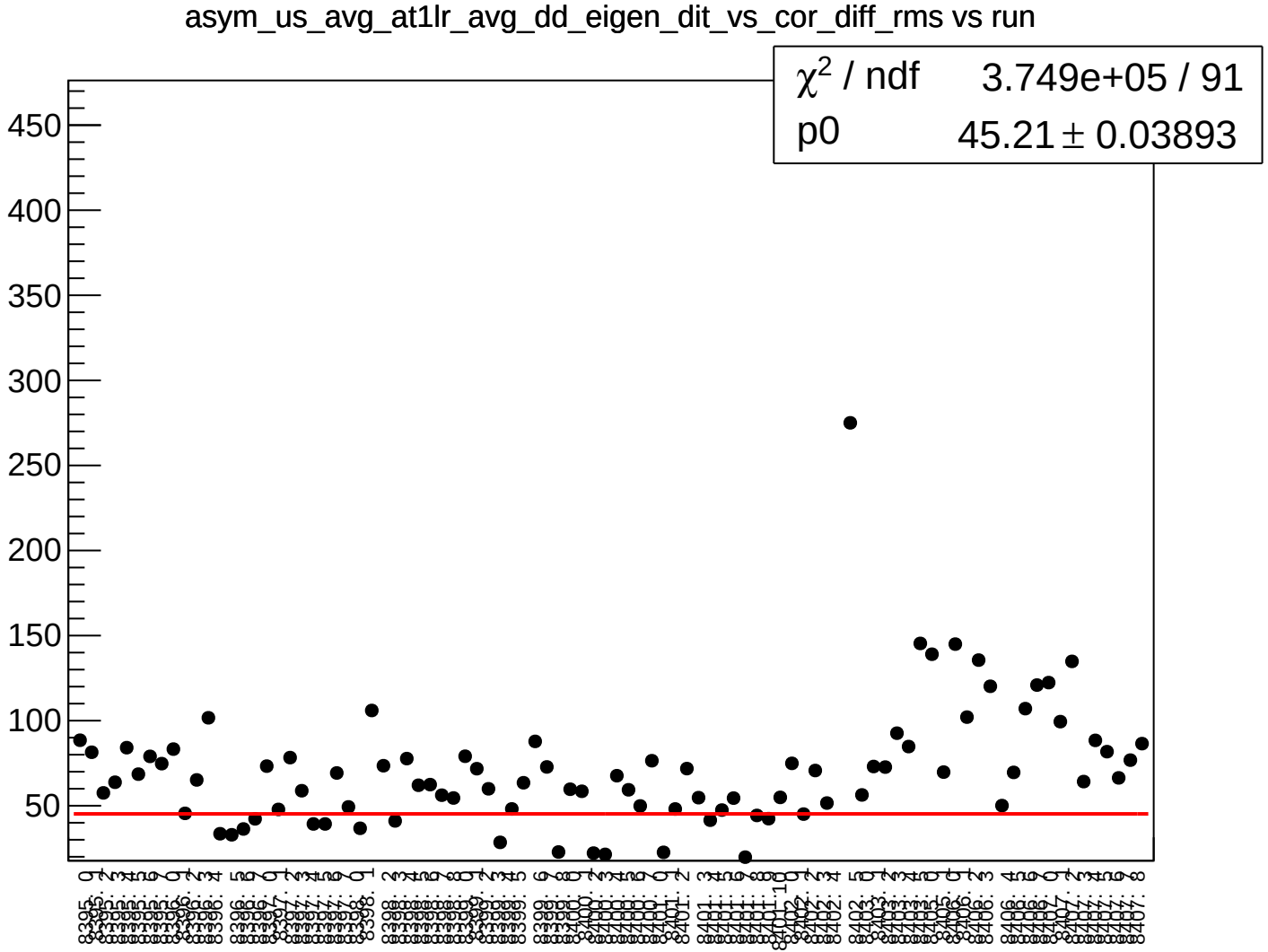

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 3.749e+05 / 91
p0 45.21 ± 0.03893
450
400
350
300
250
200
150
100
50

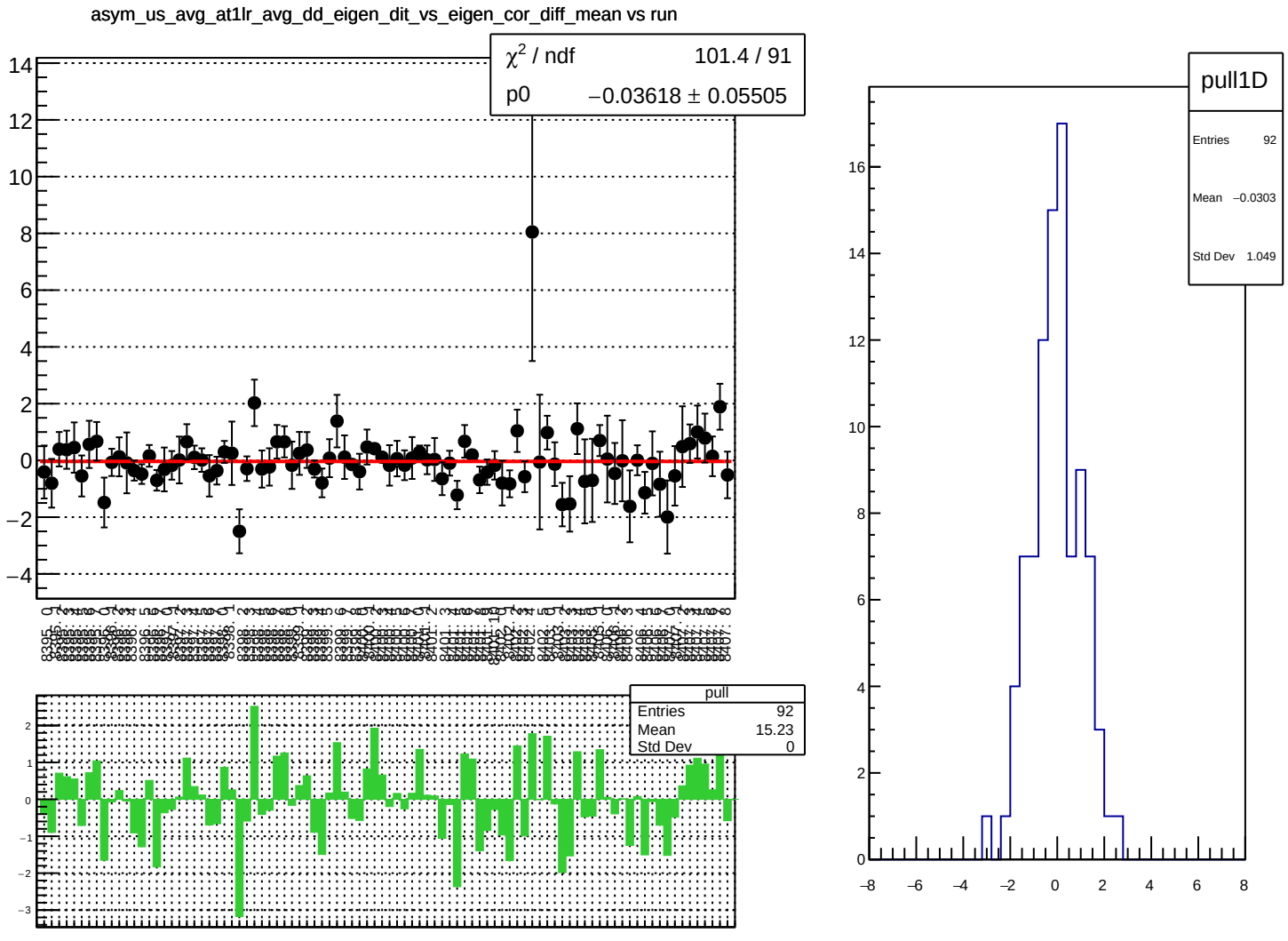

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.05 / 91
p0 −6.864e−06 ± 3.599e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 92
Mean 149.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

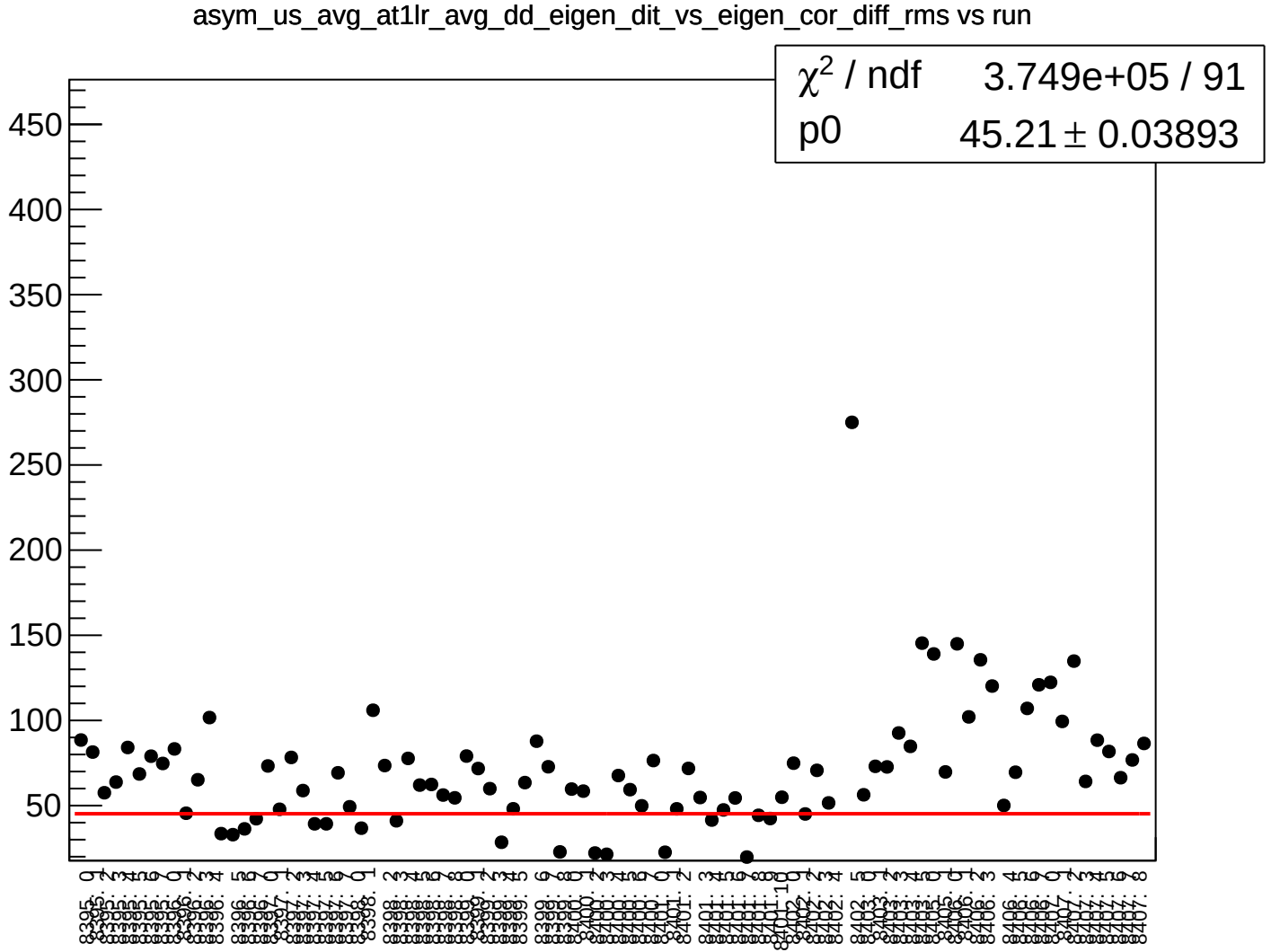

pull1D
Entries 92
Mean −0.003792
Std Dev 0.8972
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

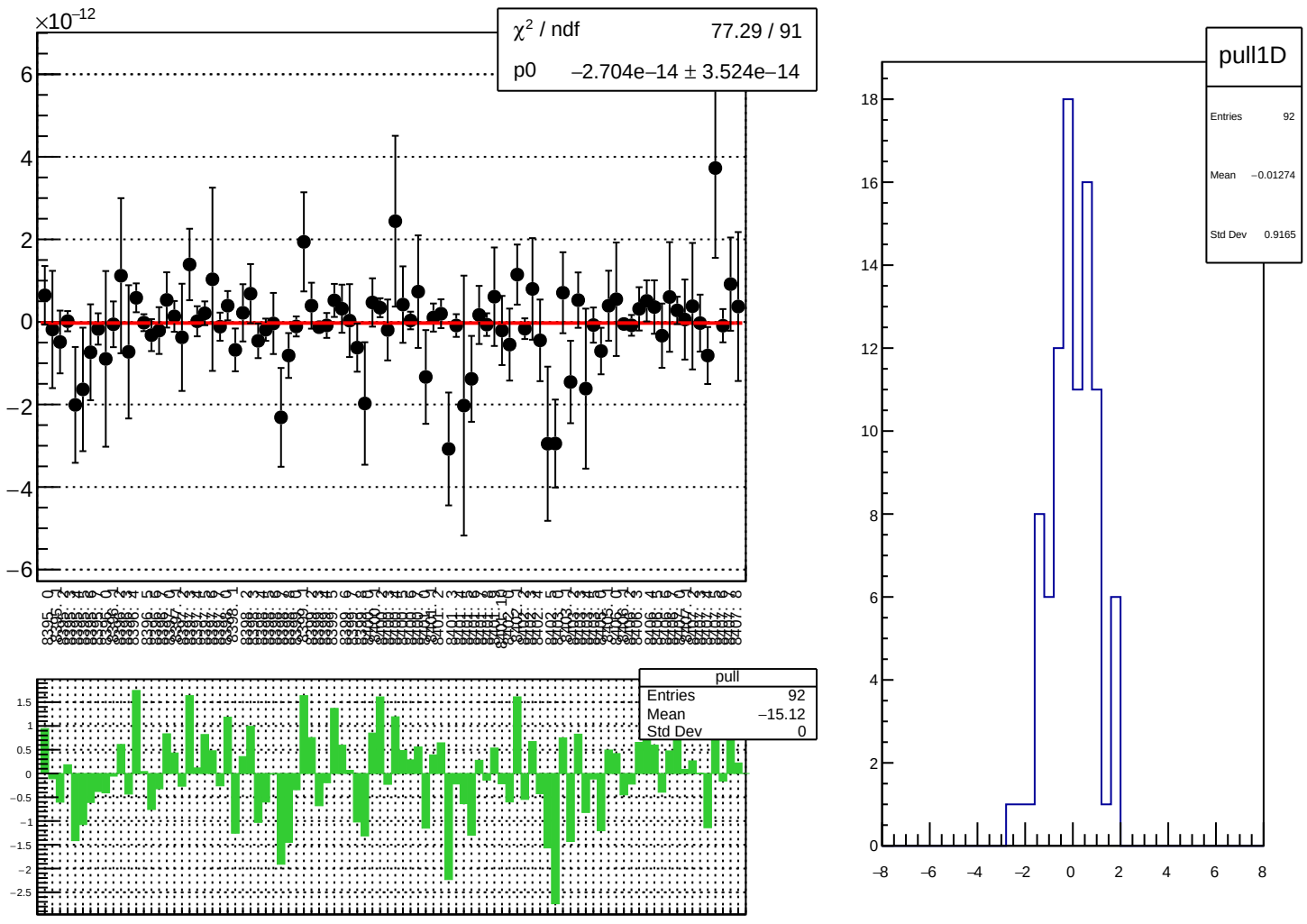

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6326 / 91
p0 0.003335 ± 2.545e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003

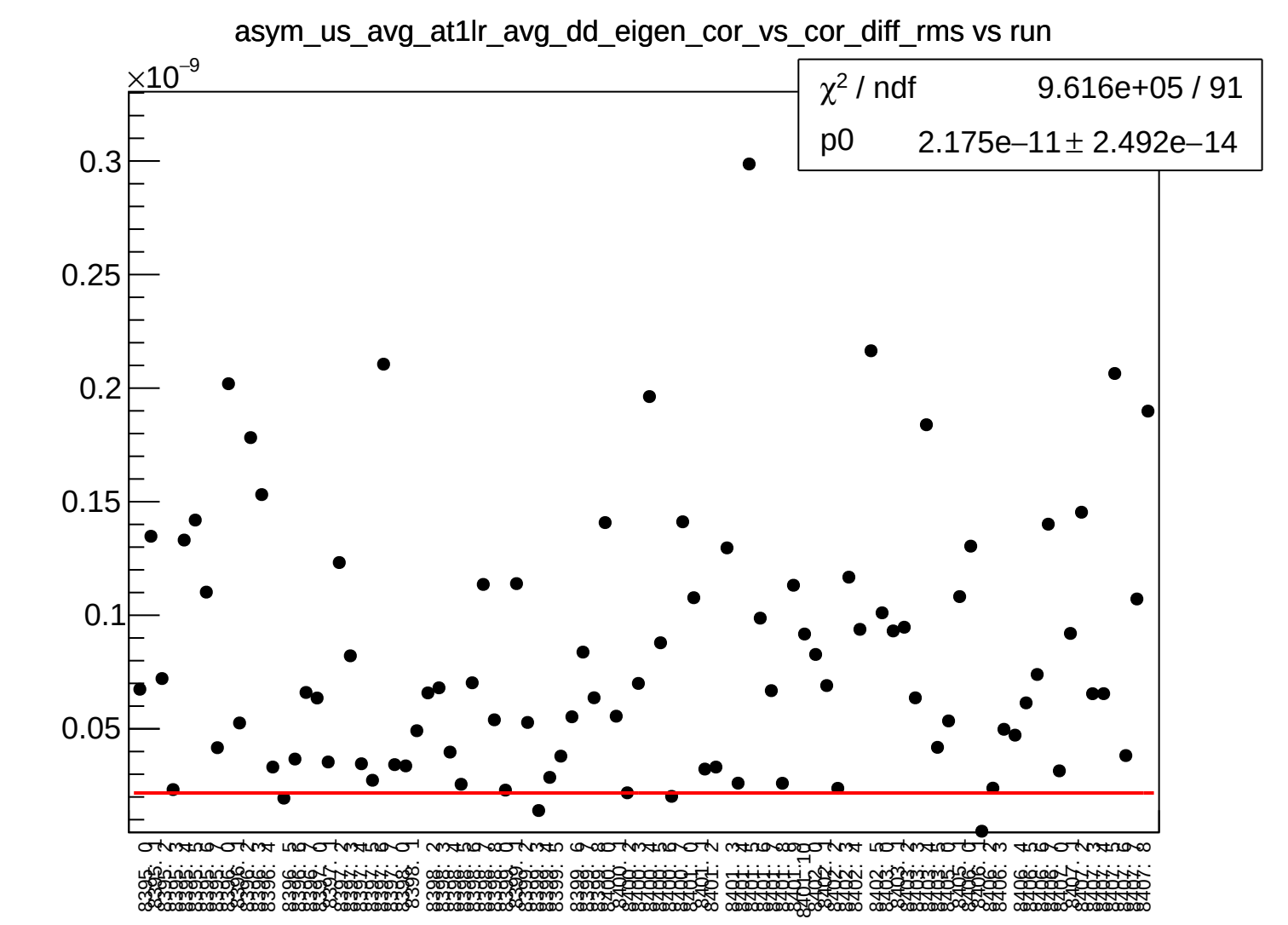

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 101.4 / 91
p0 −0.03618 ± 0.05505
pull
Entries 92
Mean 15.23
Std Dev 0
pull1D
Entries 92
Mean −0.0303
Std Dev 1.049

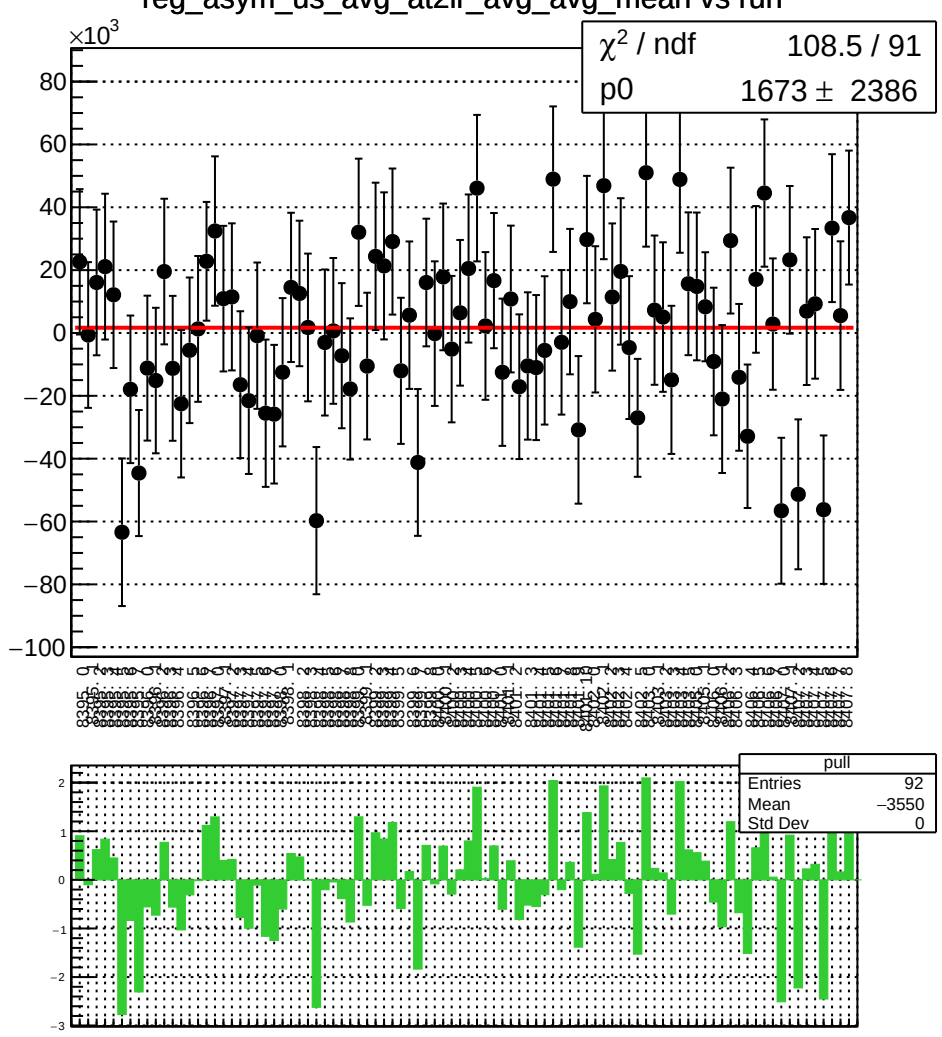

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 3.749e+05 / 91
p0 45.21 ± 0.03893
450
400
350
300
250
200
150
100
50

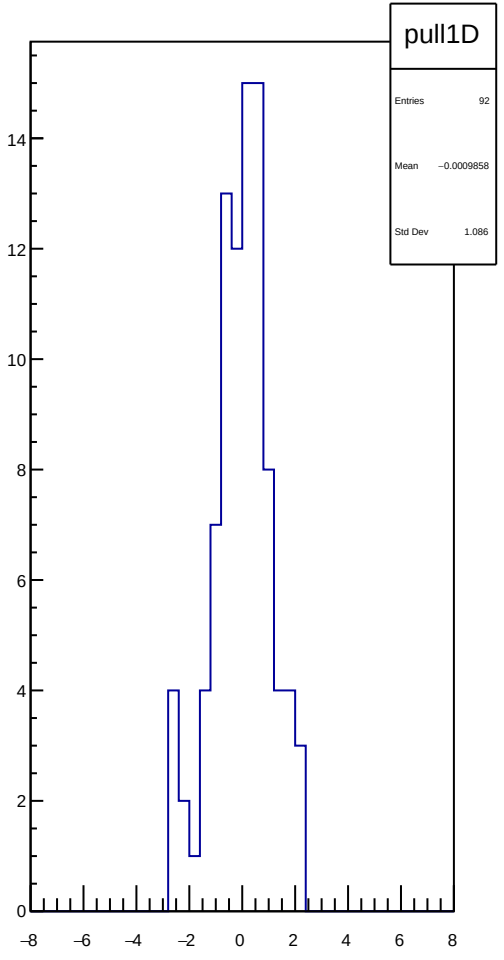

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.4 / 91
p0 −0.03618 ± 0.05505
pull
Entries 92
Mean 15.23
Std Dev 0
pull1D
Entries 92
Mean −0.0303
Std Dev 1.049

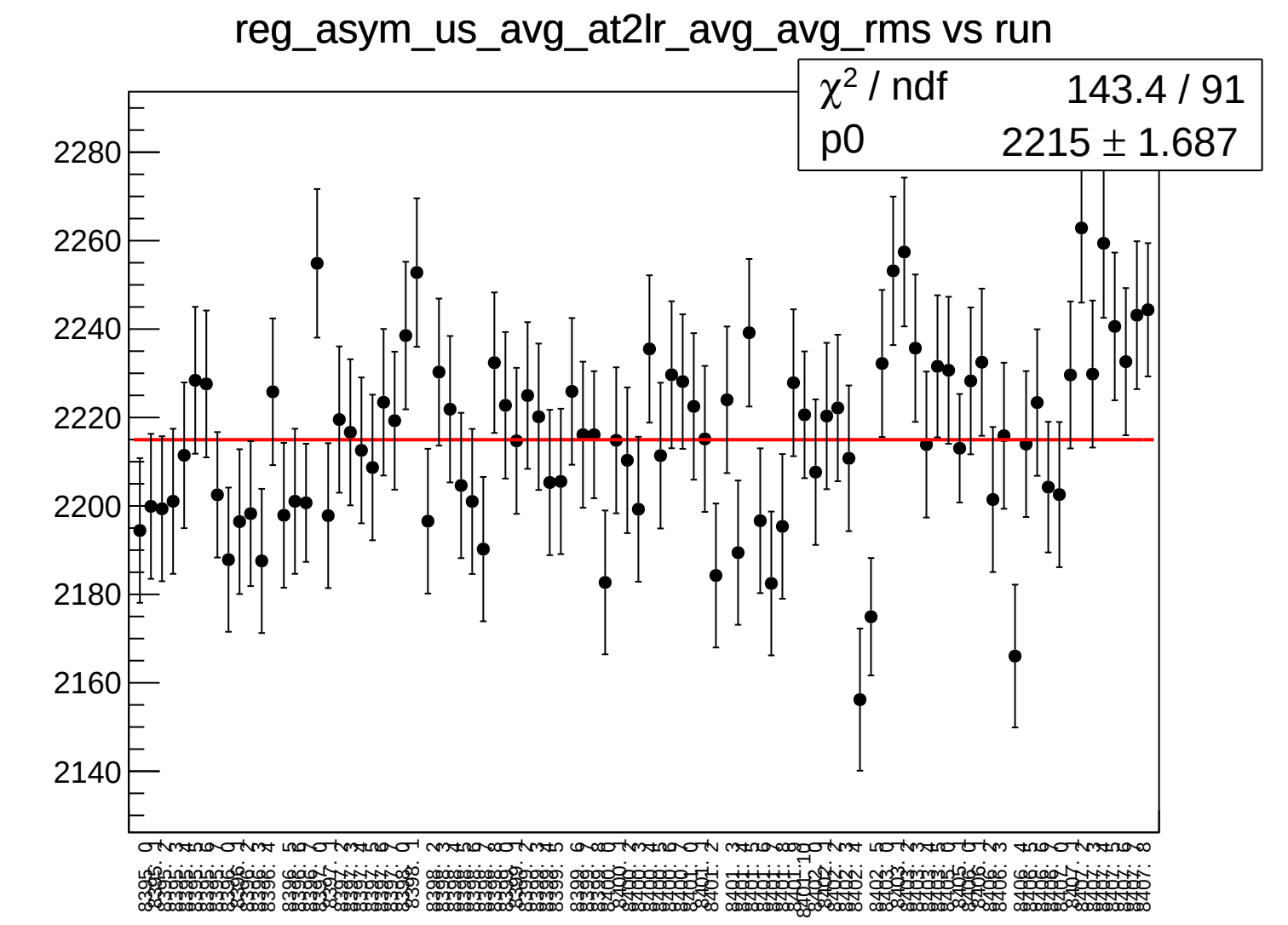

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 3.749e+05 / 91
p0 45.21 ± 0.03893
450
400
350
300
250
200
150
100
50

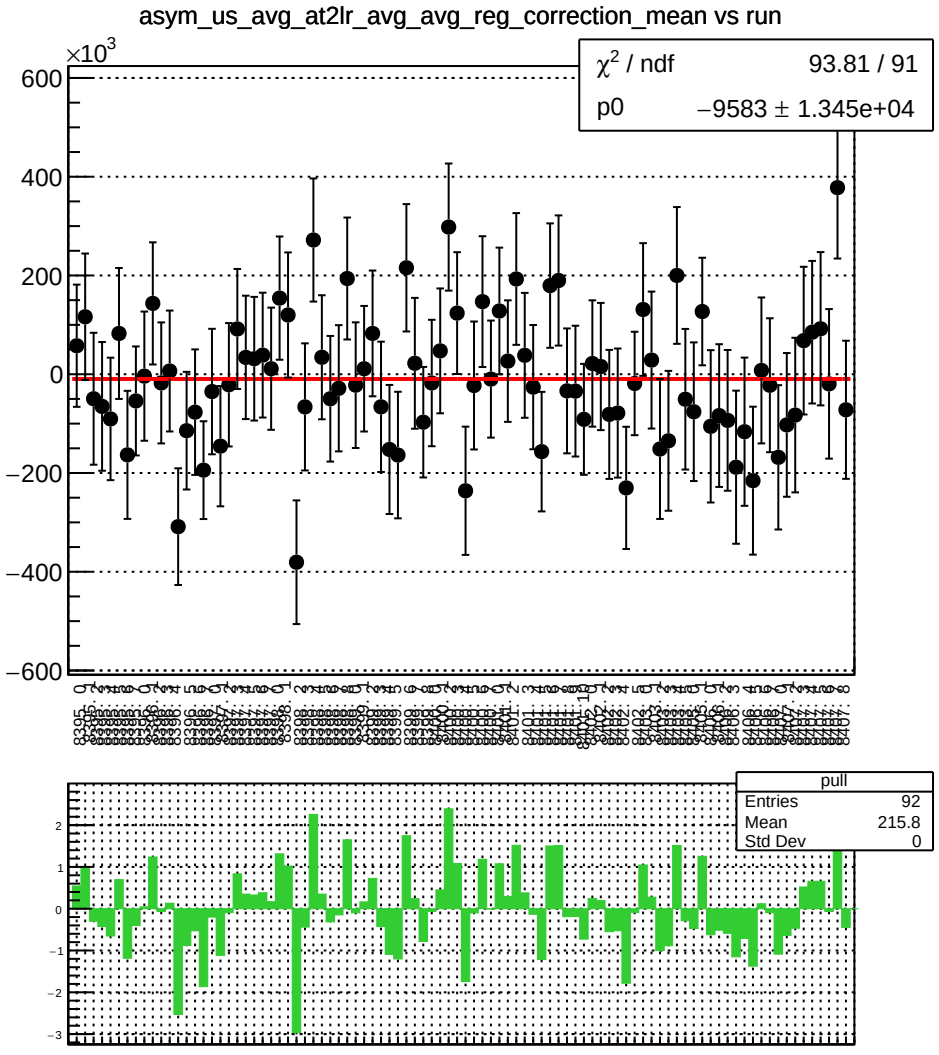

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 77.29 / 91
p0 −2.704e−14 ± 3.524e−14
pull
Entries 92
Mean −15.12
Std Dev 0
pull1D
Entries 92
Mean −0.01274
Std Dev 0.9165

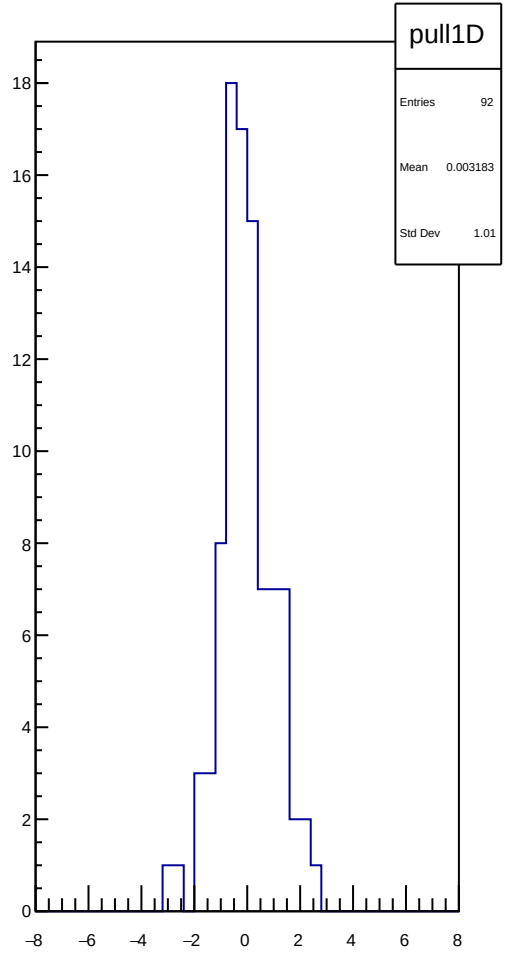

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.616e+05 / 91
p0 2.175e−11 ± 2.492e−14
0.3
0.25
0.2
0.15
0.1
0.05

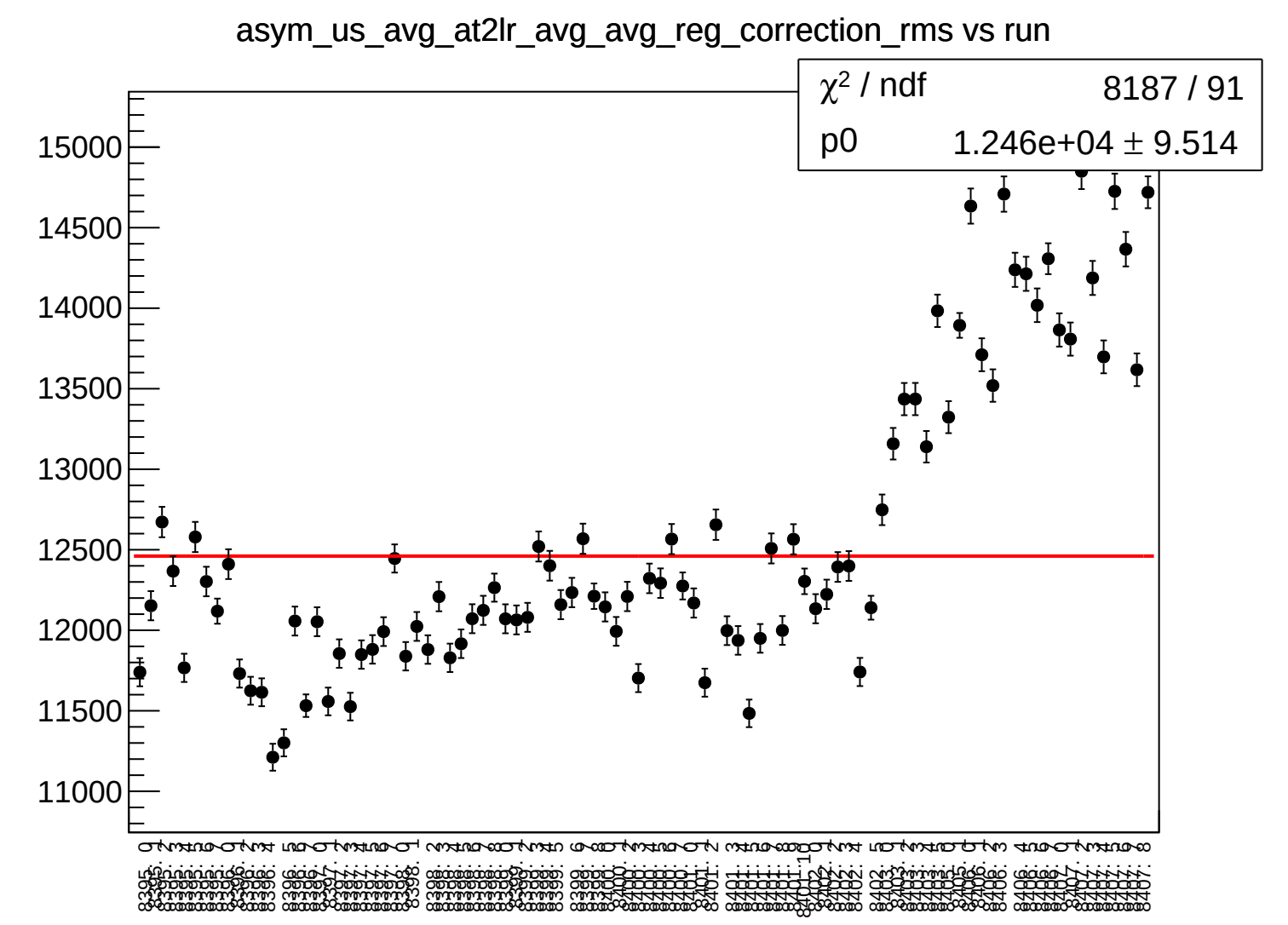

reg_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 108.5 / 91
p0 1673 ± 2386
pull
Entries 92
Mean −3550
Std Dev 0

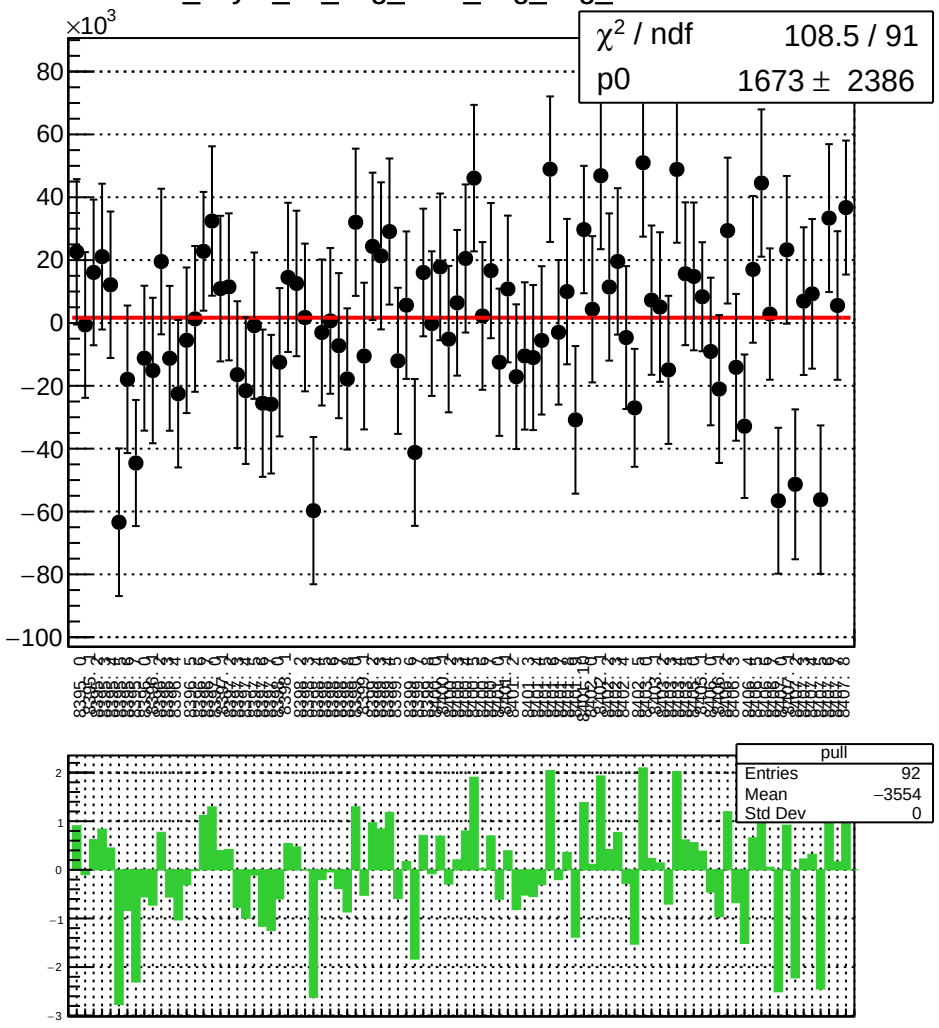

pull1D
Entries 92
Mean −0.0009858
Std Dev 1.086

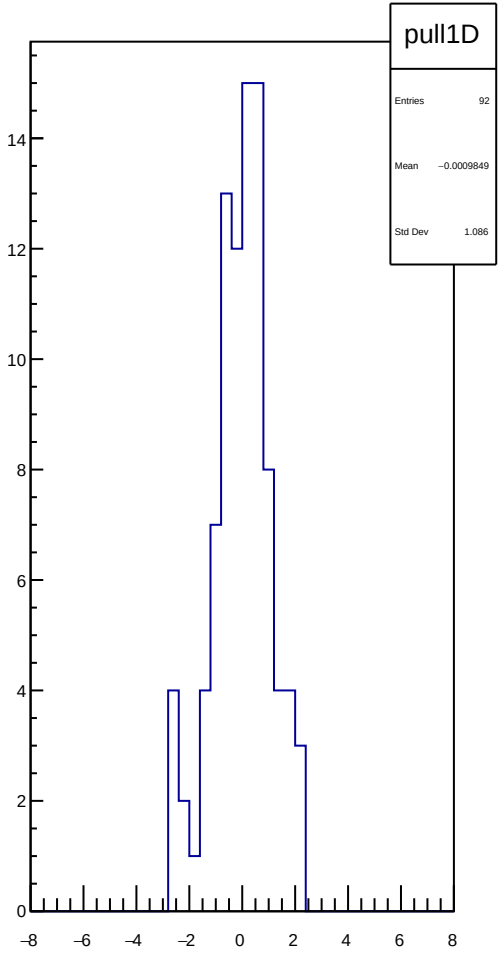

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 143.4 / 91
p0 2215 ± 1.687
2280
2260
2240
2220
2200
2180
2160
2140

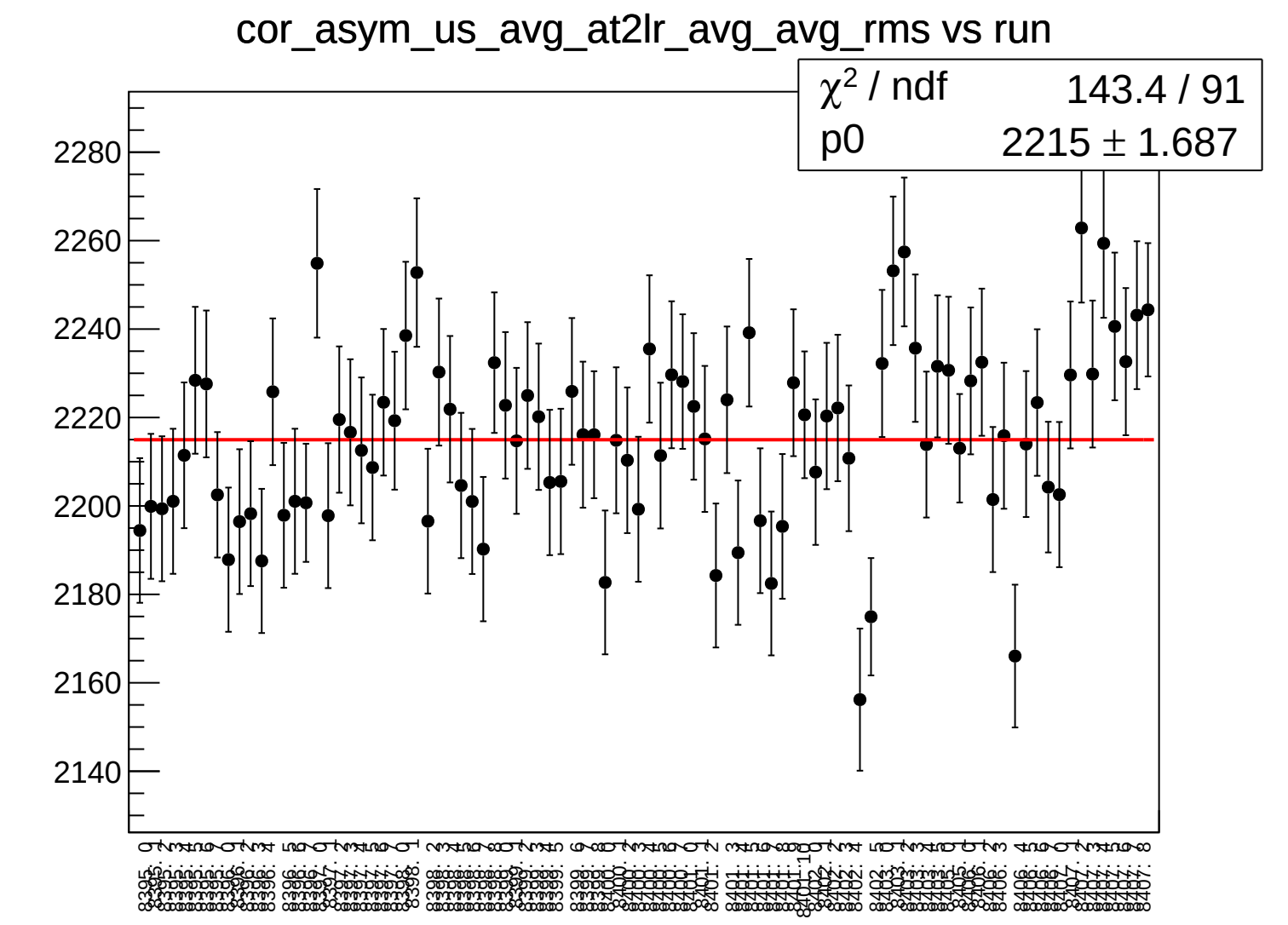

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 93.81 / 91
p0 −9583 ± 1.345e+04
pull
Entries 92
Mean 215.8
Std Dev 0

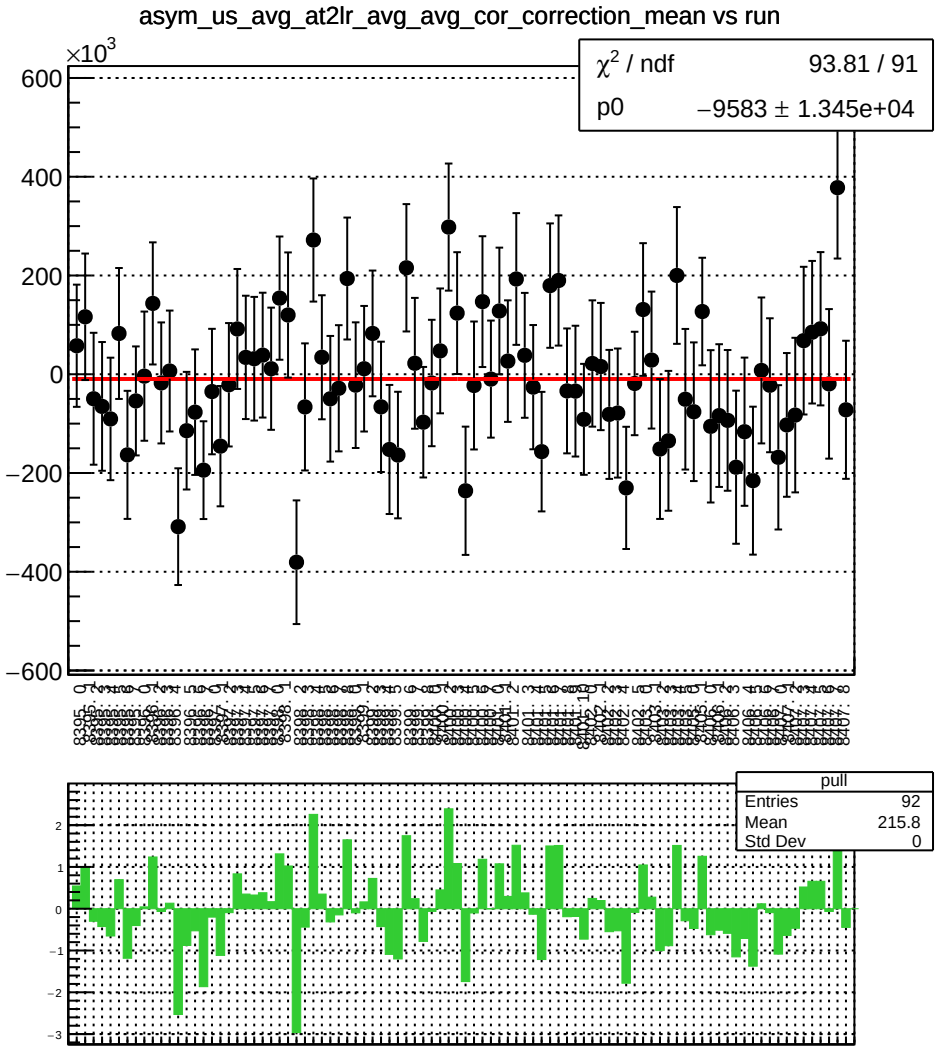

pull1D
Entries 92
Mean 0.003183
Std Dev 1.01

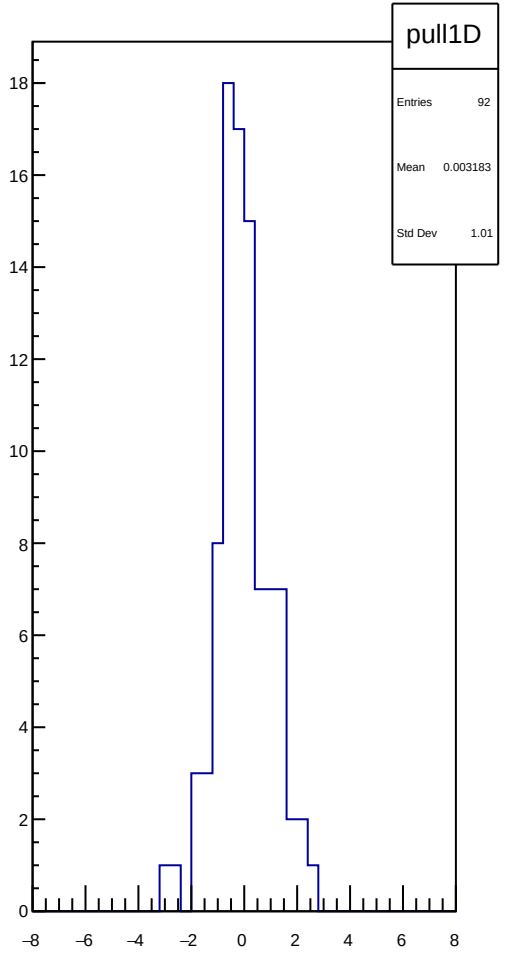

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 8187 / 91
p0 1.246e+04 ± 9.514
15000
14500
14000
13500
13000
12500
12000
11500
11000

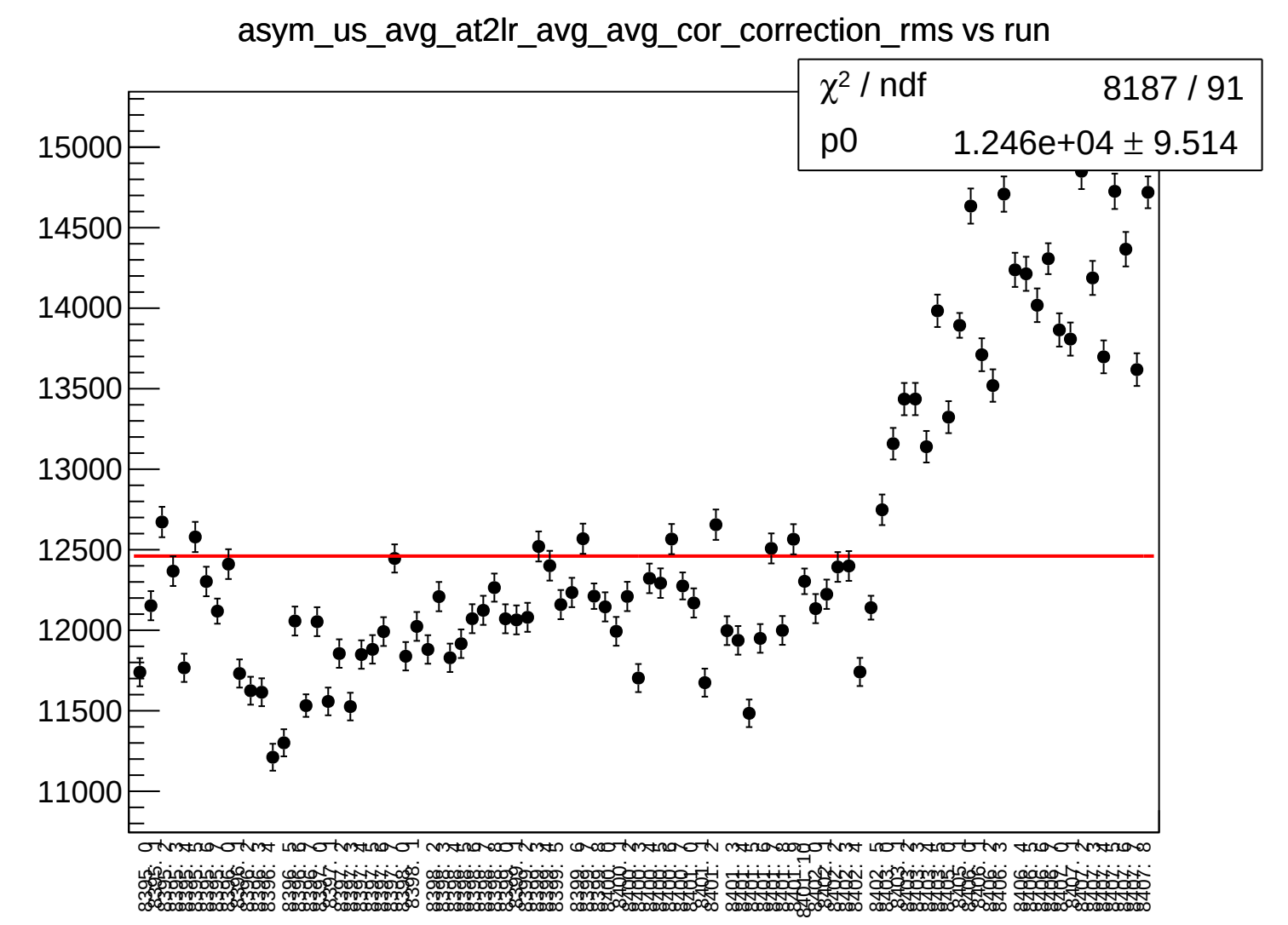

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 108.5 / 91
p0 1673 ± 2386
pull
Entries 92
Mean −3554
Std Dev 0

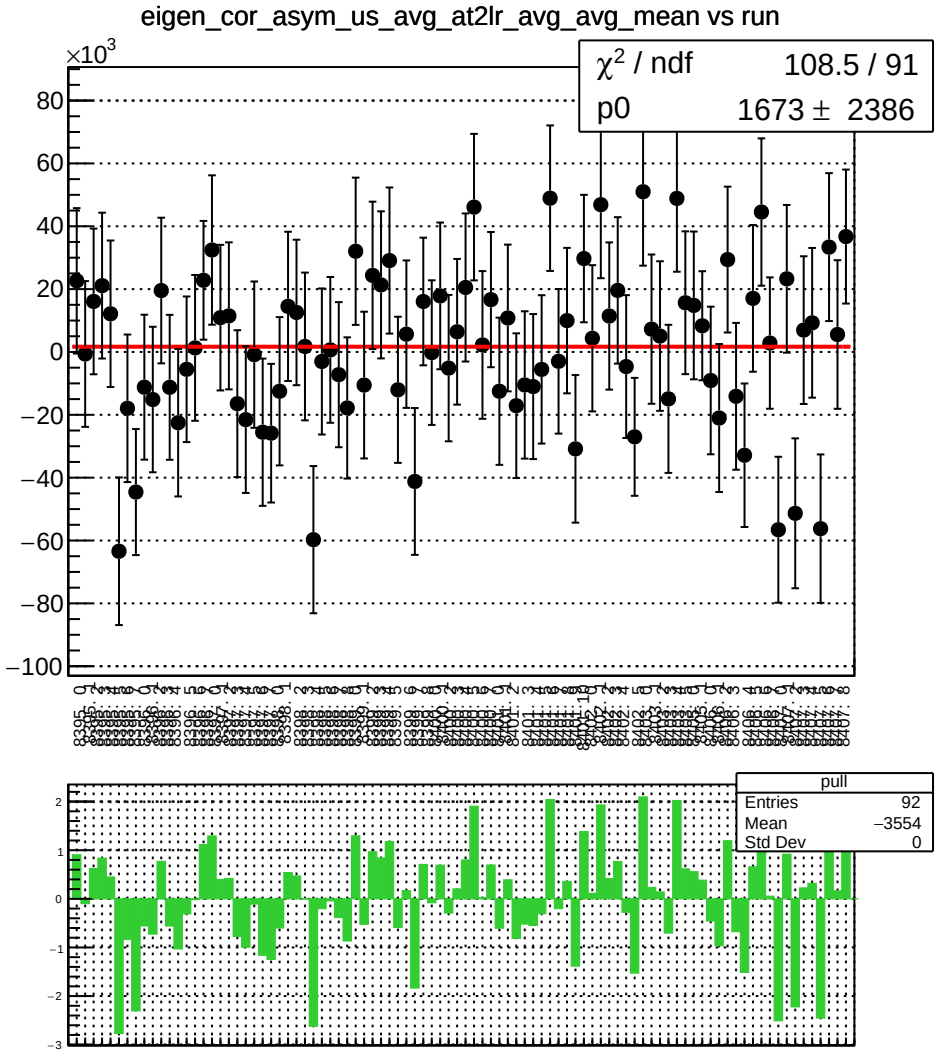

pull1D
Entries 92
Mean −0.0009849
Std Dev 1.086

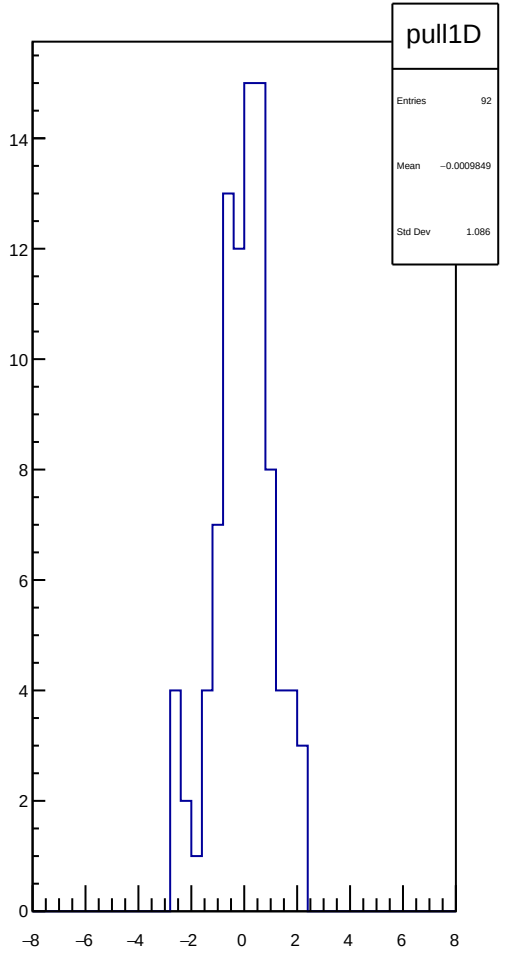

cor_asym_us_avg_at2lr_avg_avg_rms vs run
$\chi^2$ / ndf 143.4 / 91
p0 2215 ± 1.687
2280
2260
2240
2220
2200
2180
2160
2140

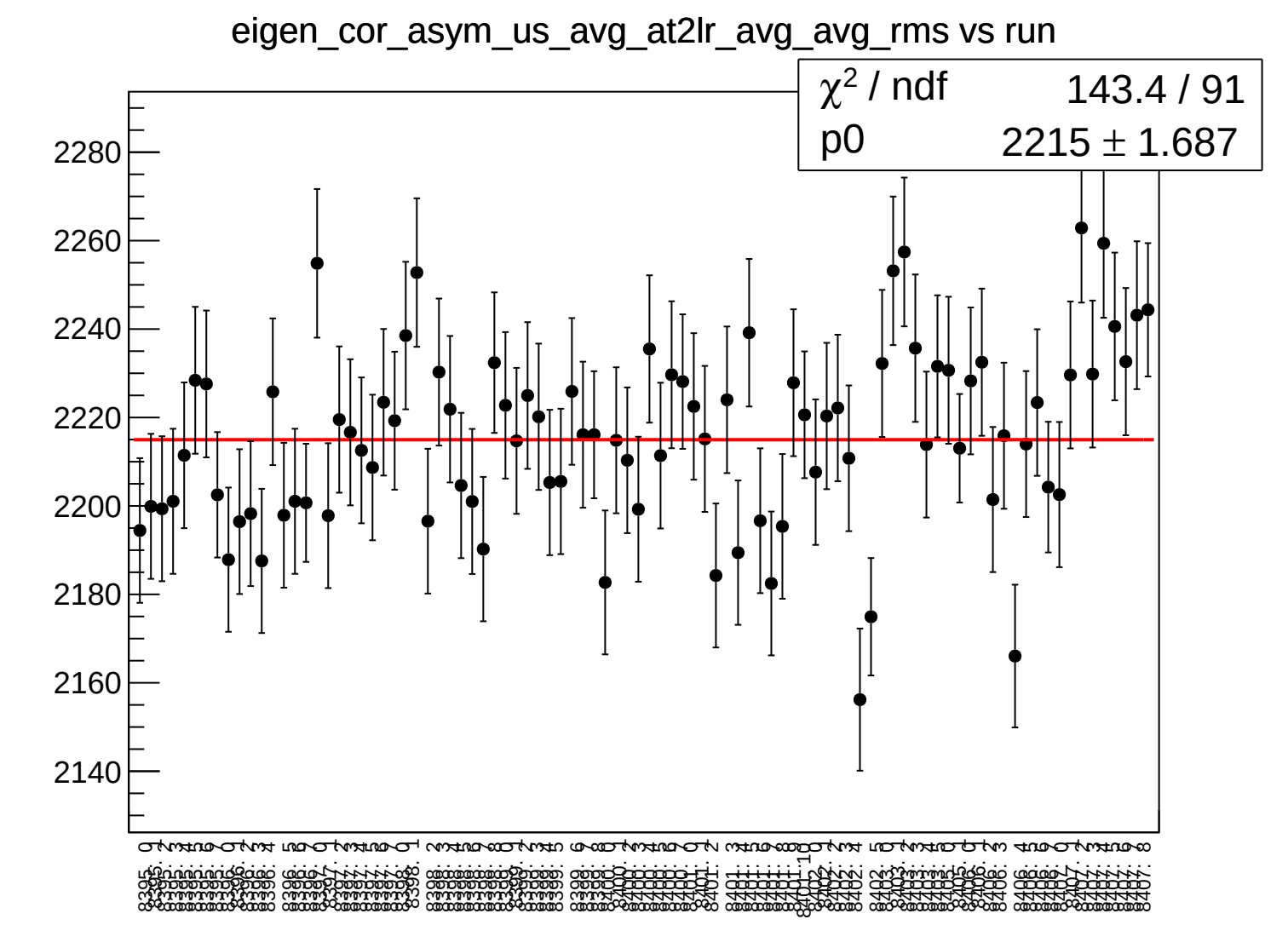

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 93.81 / 91
p0 −9583 ± 1.345e+04
pull
Entries 92
Mean 215.8
Std Dev 0
2
1
0
−1
−2
−3

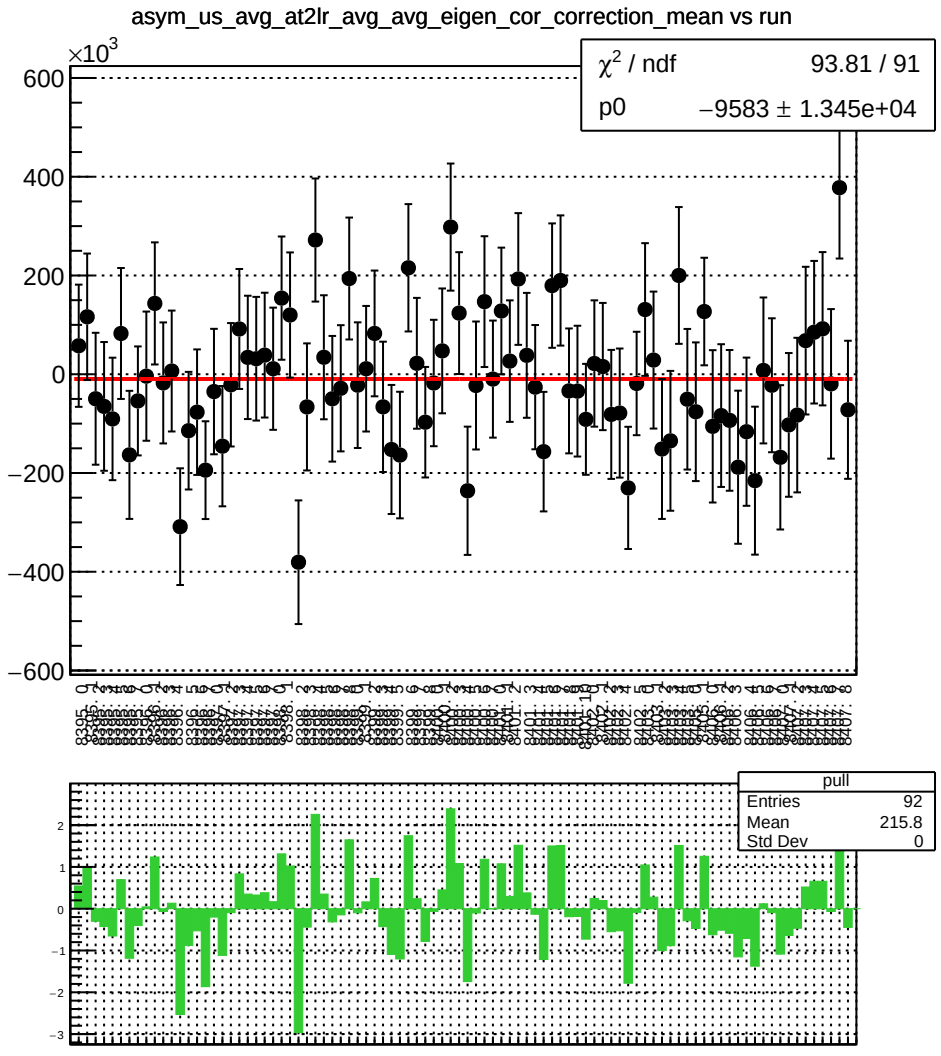

pull1D
Entries 92
Mean 0.003183
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

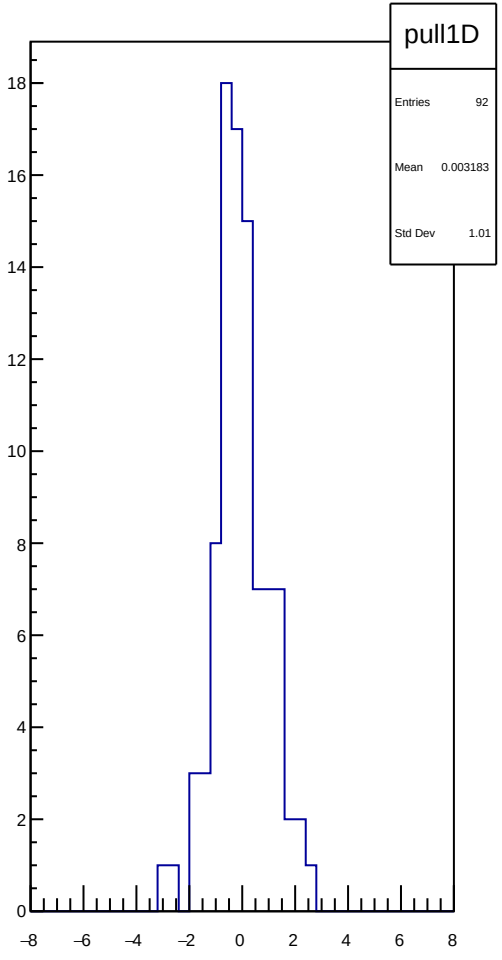

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 8187 / 91
p0 1.246e+04 ± 9.514
15000
14500
14000
13500
13000
12500
12000
11500
11000

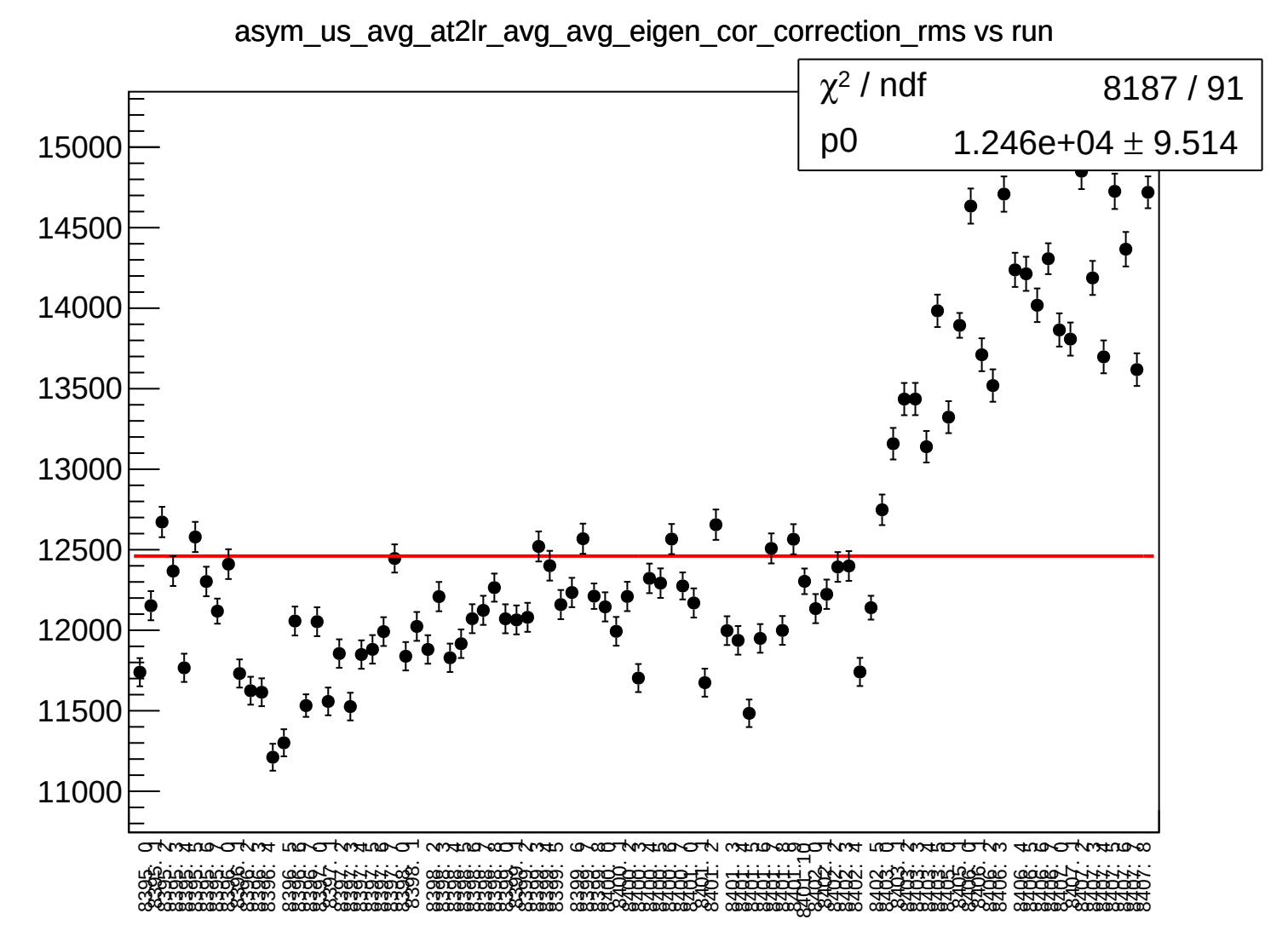

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 108.5 / 91
p0 1673 ± 2386
pull
Entries 92
Mean −3554
Std Dev 0

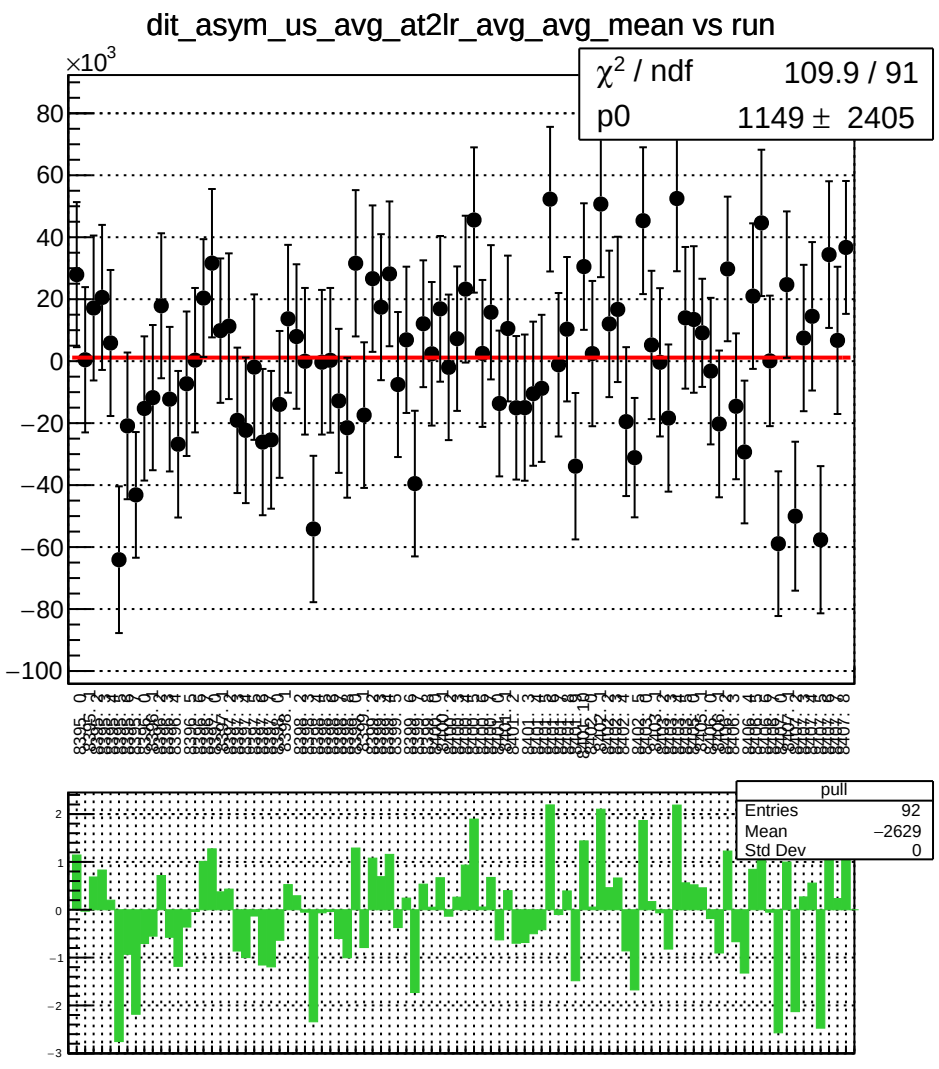

pull1D
Entries 92
Mean −0.0009849
Std Dev 1.086

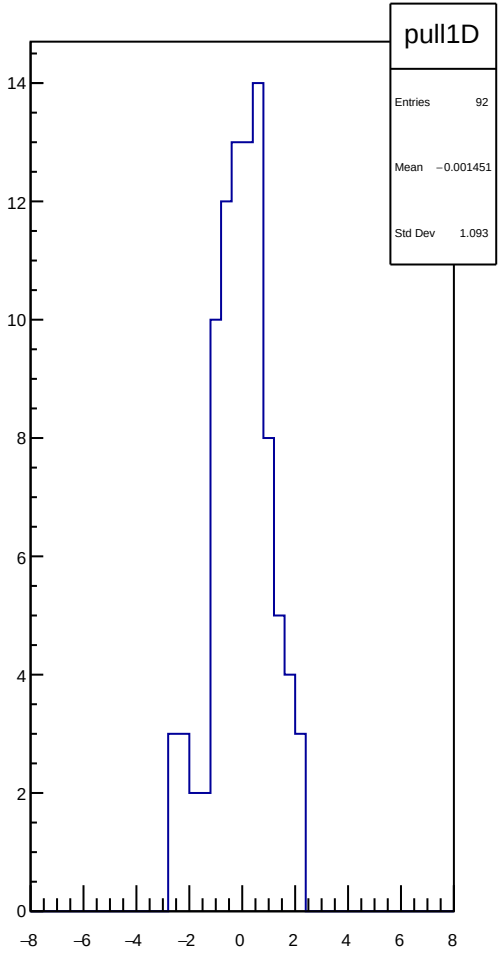

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 143.4 / 91
p0 2215 ± 1.687
2280
2260
2240
2220
2200
2180
2160
2140

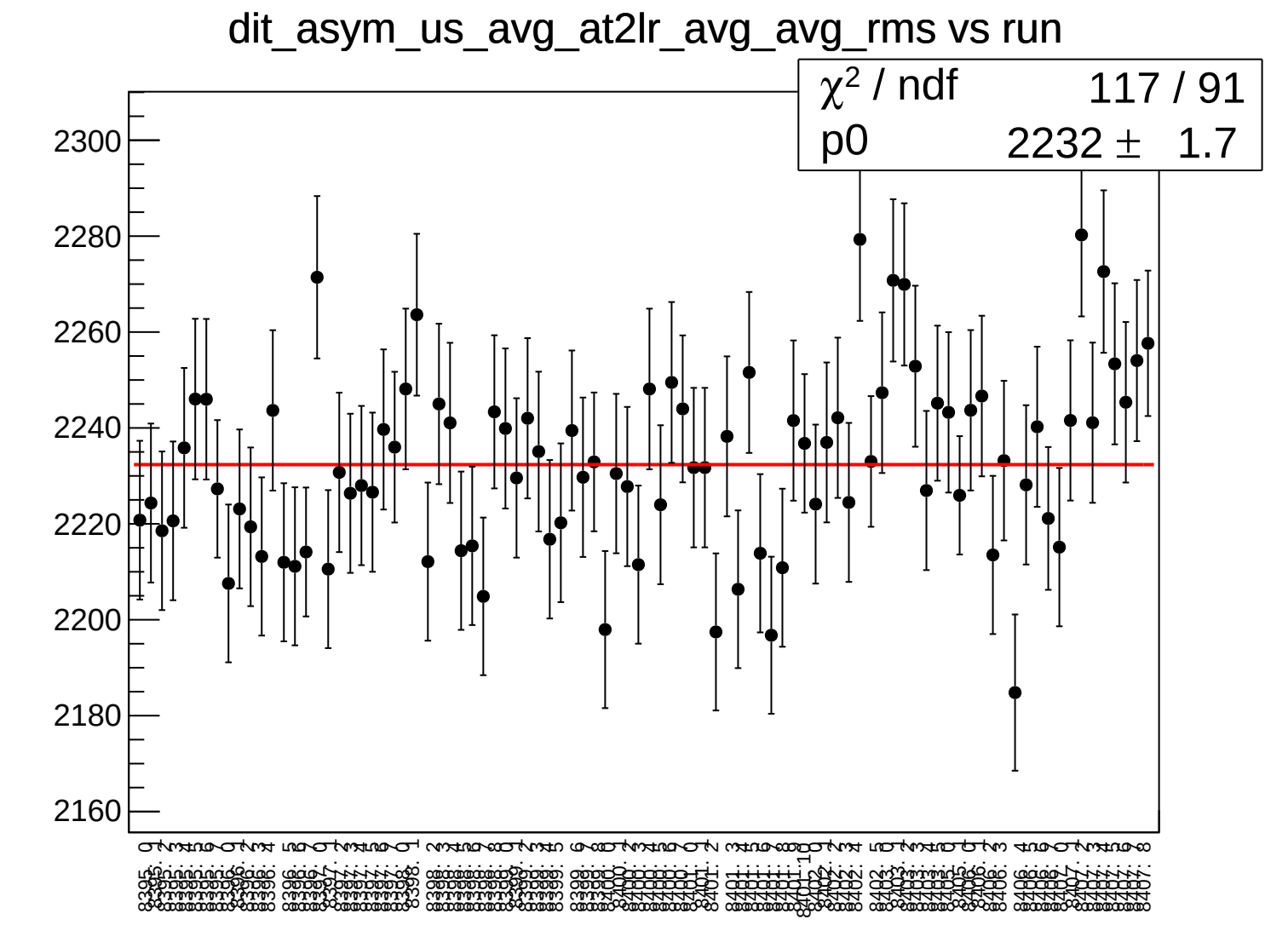

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 93.81 / 91
p0 −9583 ± 1.345e+04
pull
Entries 92
Mean 215.8
Std Dev 0

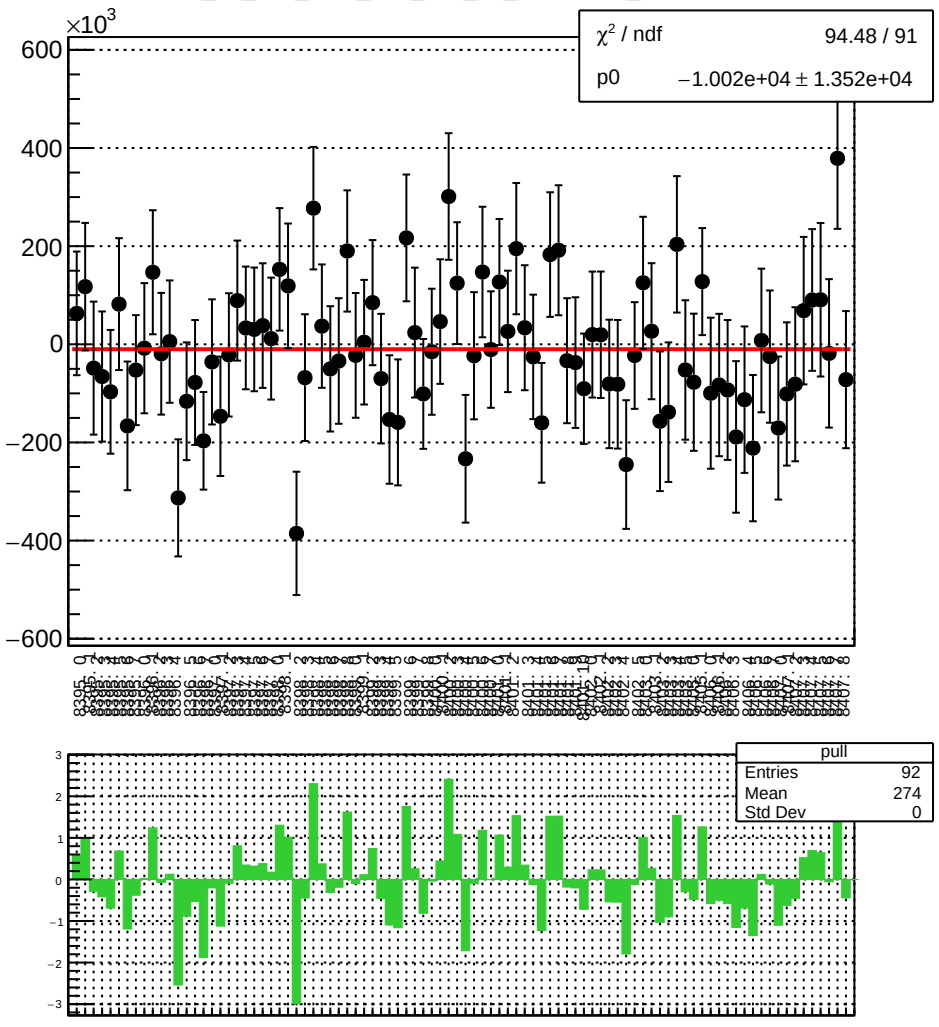

pull1D
Entries 92
Mean 0.003183
Std Dev 1.01

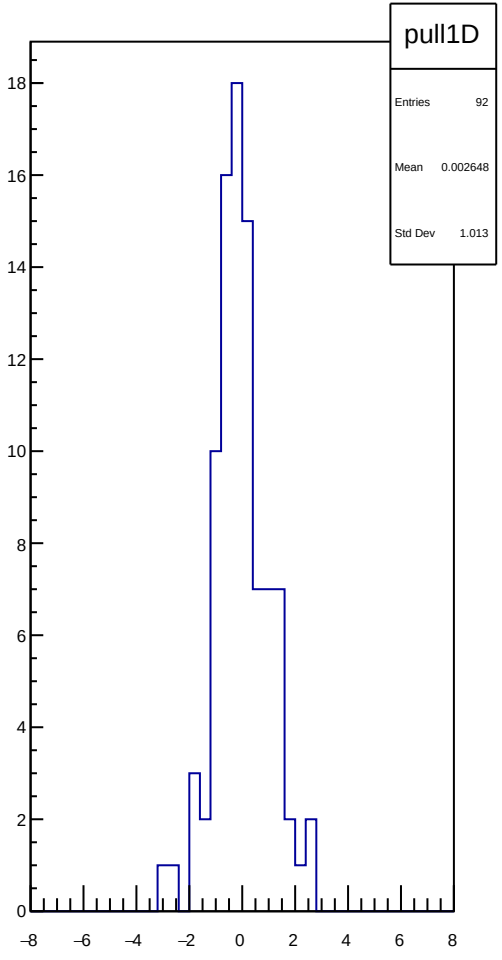

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8187 / 91
p0 1.246e+04 ± 9.514
15000
14500
14000
13500
13000
12500
12000
11500
11000

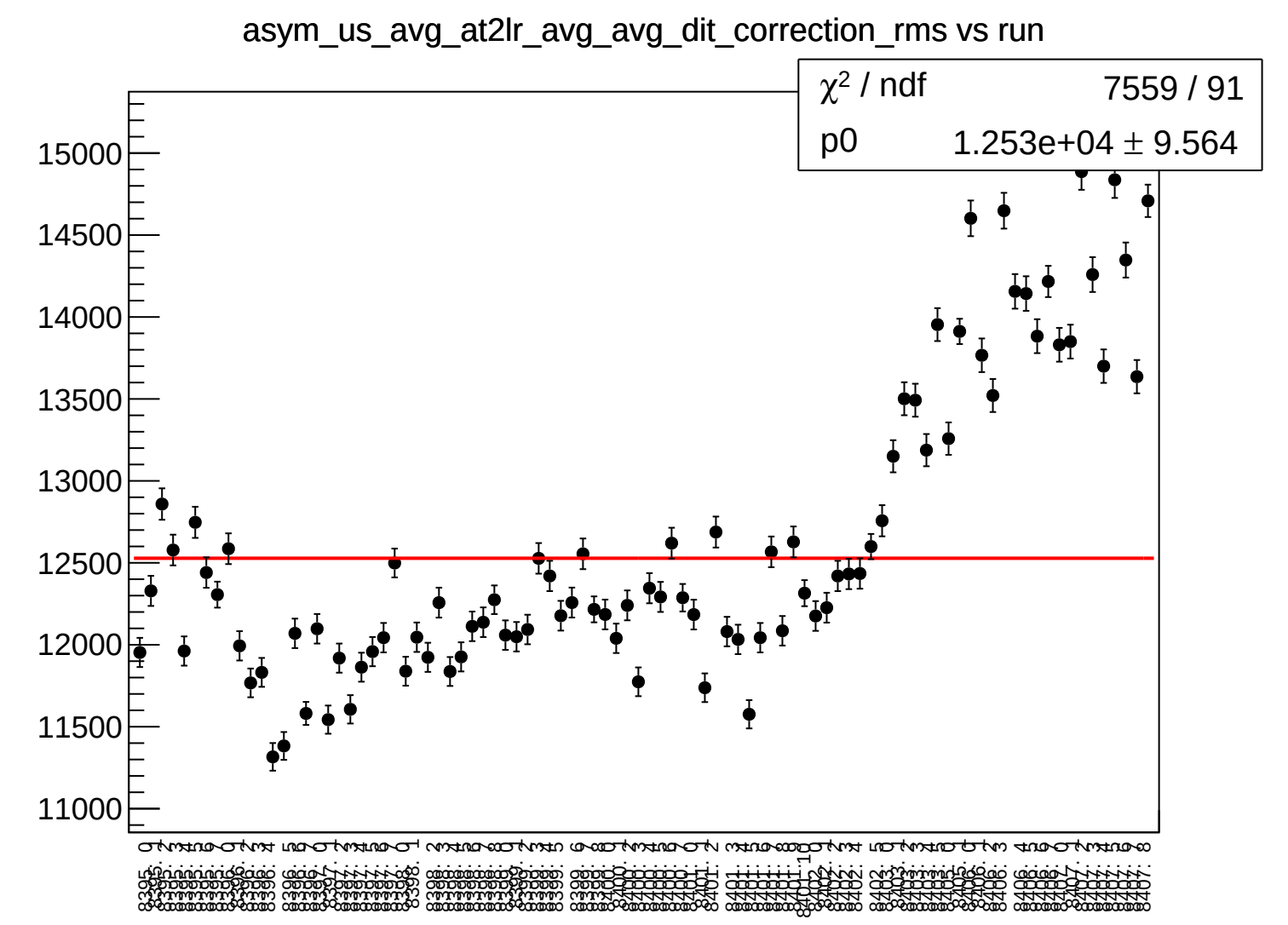

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 109.9 / 91
p0 1149 ± 2405
pull
Entries 92
Mean −2629
Std Dev 0

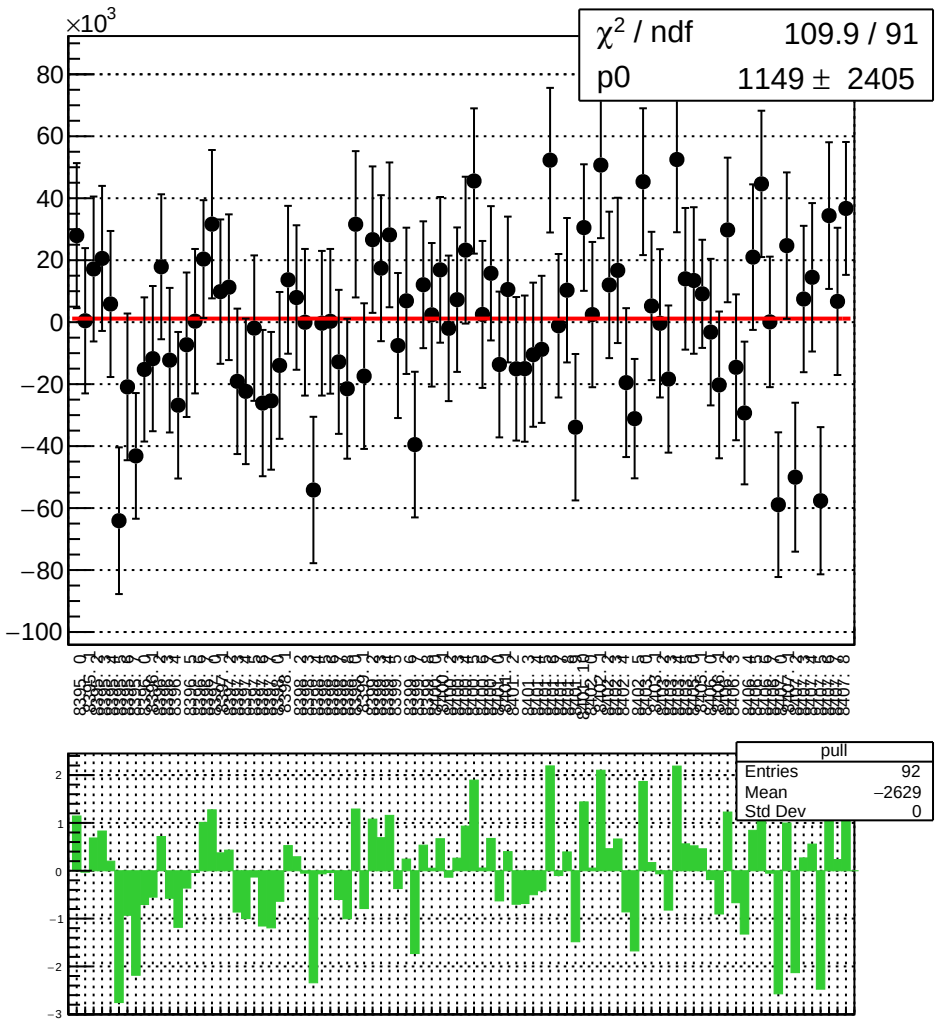

pull1D
Entries 92
Mean −0.001451
Std Dev 1.093

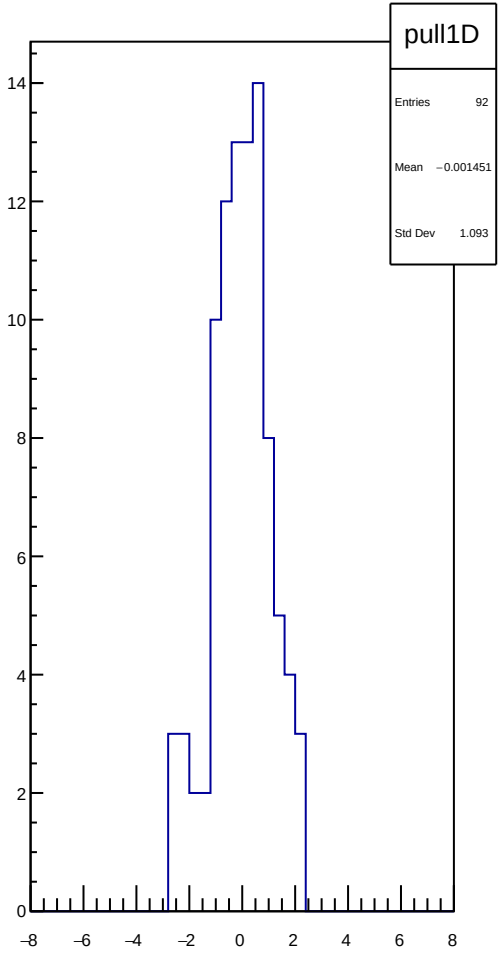

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 117 / 91
p0 2232 ± 1.7
2300
2280
2260
2240
2220
2200
2180
2160

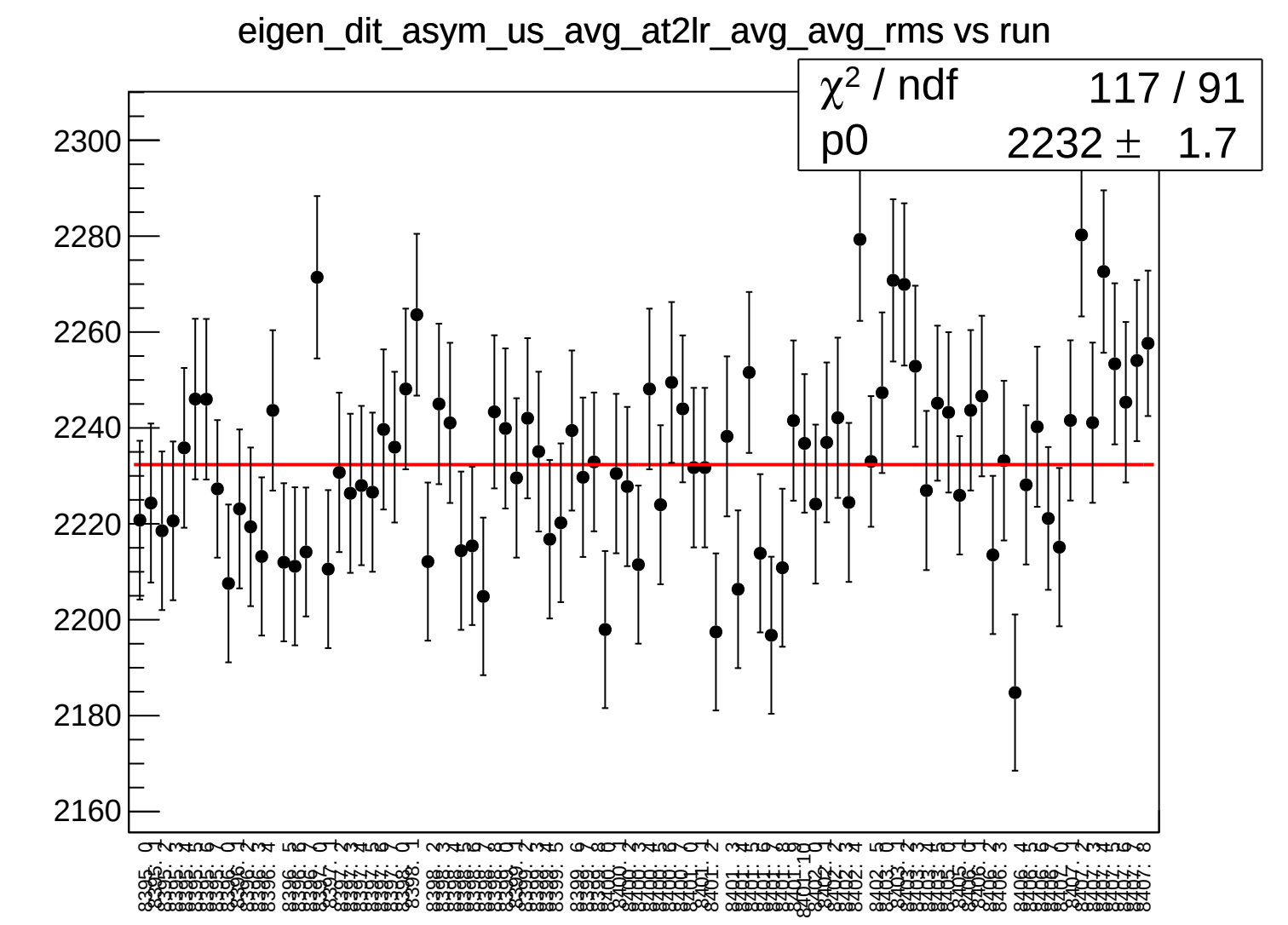

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 94.48 / 91
p0 −1.002e+04 ± 1.352e+04
pull
Entries 92
Mean 274
Std Dev 0

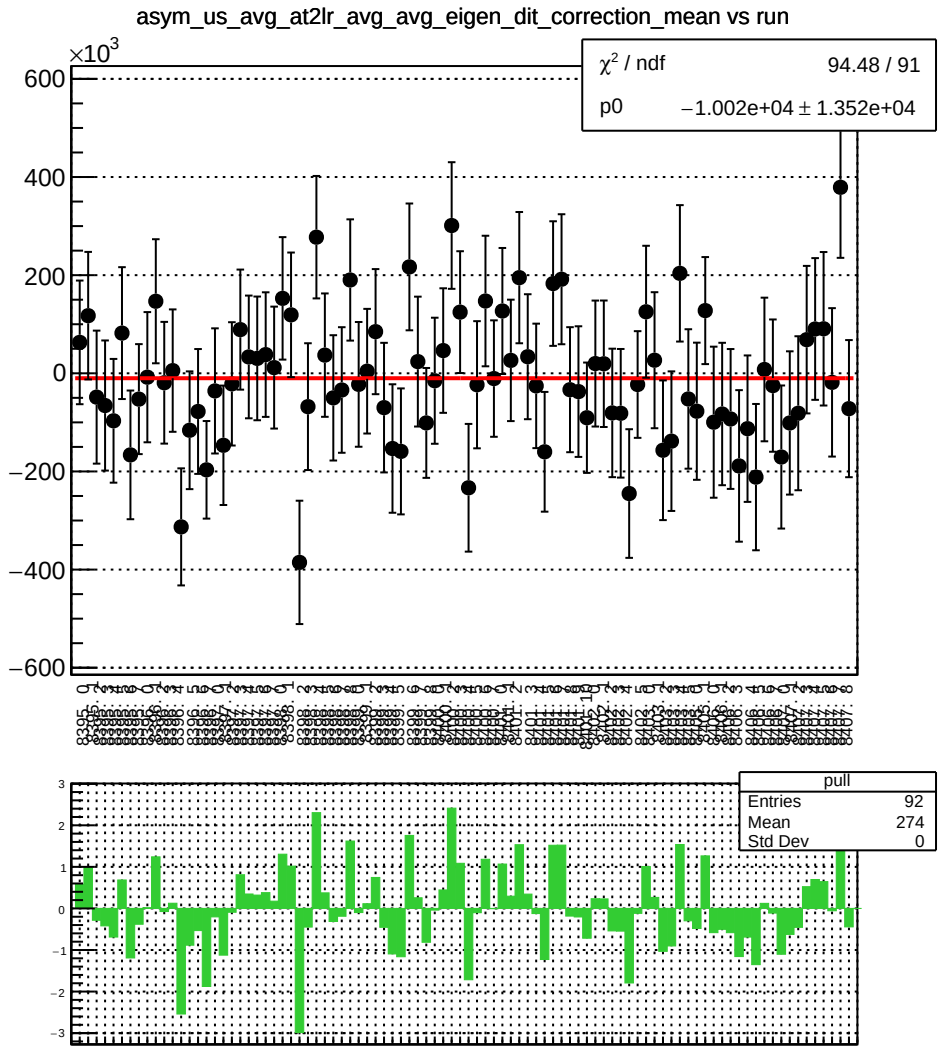

pull1D
Entries 92
Mean 0.002648
Std Dev 1.013

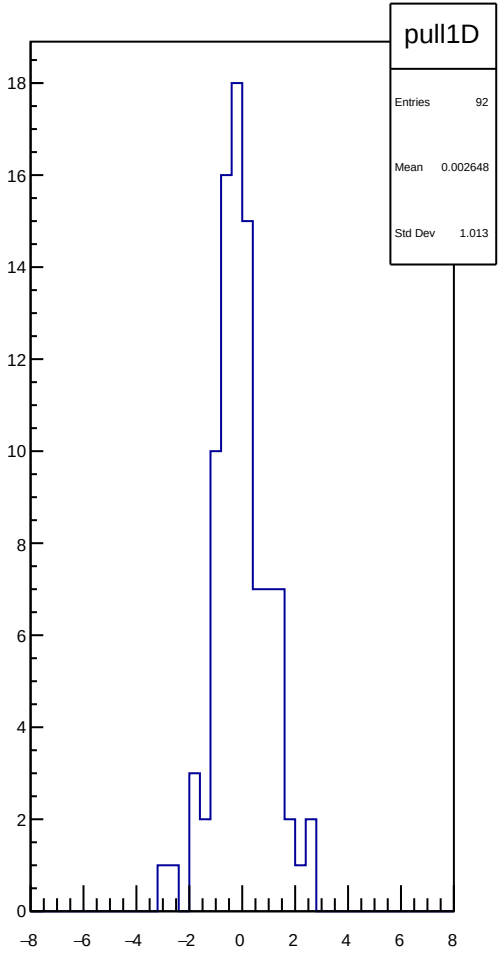

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 7559 / 91
p0 1.253e+04 ± 9.564
15000
14500
14000
13500
13000
12500
12000
11500
11000

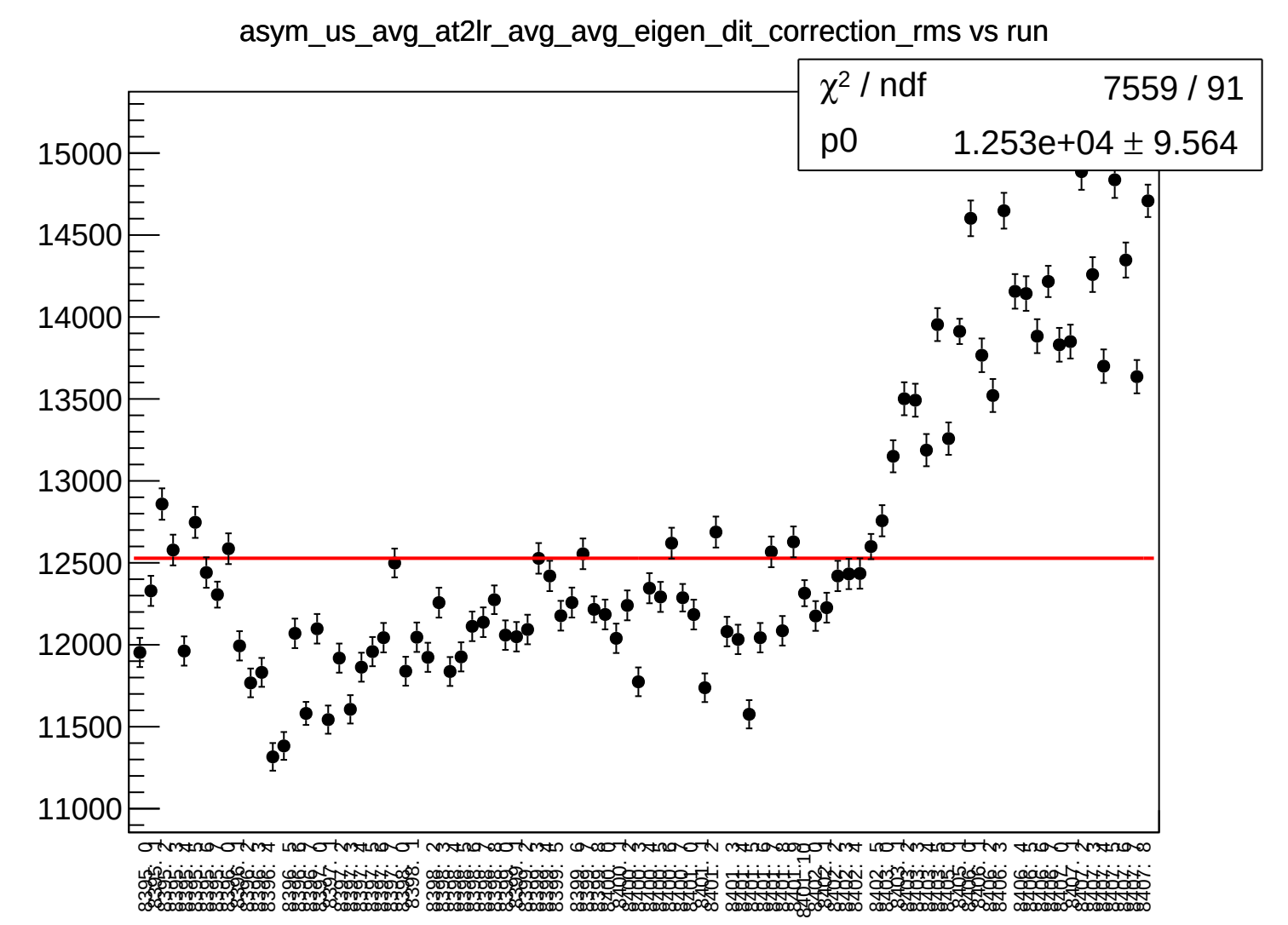

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 109.9 / 91
p0 1149 ± 2405
×10³
pull
Entries 92
Mean −2629
Std Dev 0

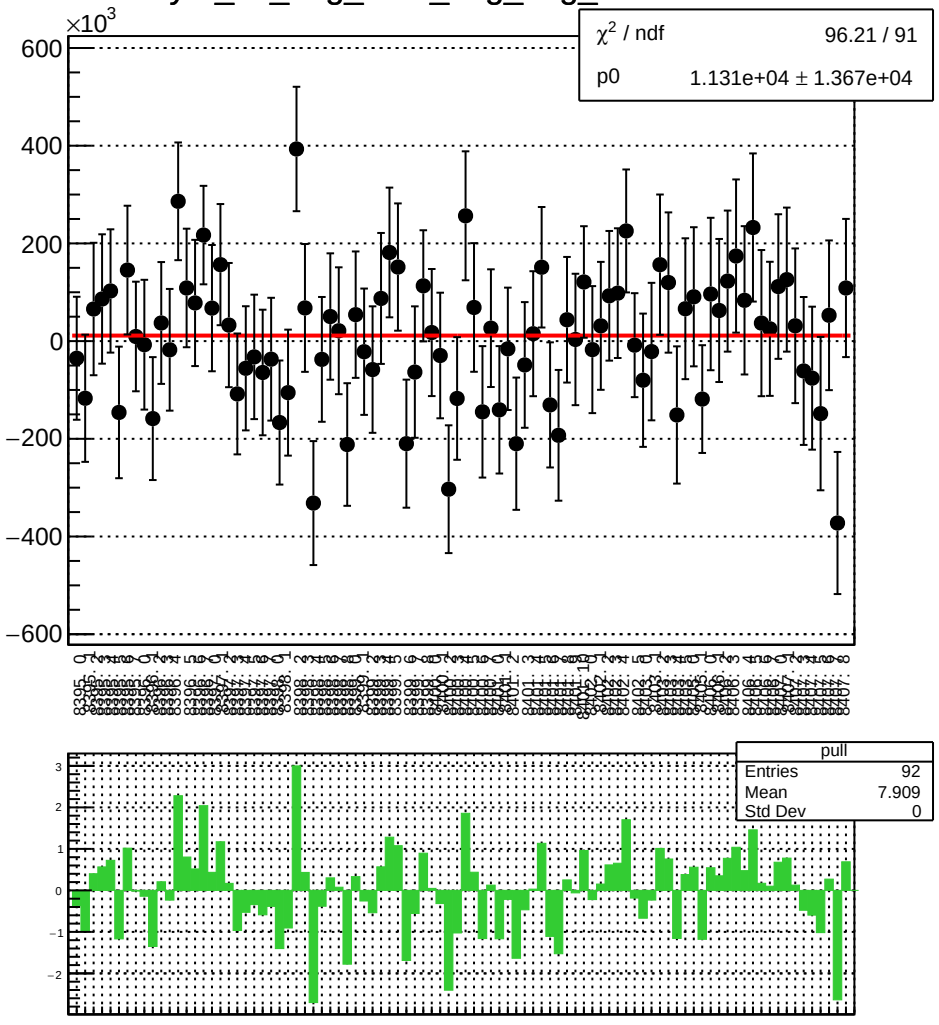

pull1D
Entries 92
Mean −0.001451
Std Dev 1.093

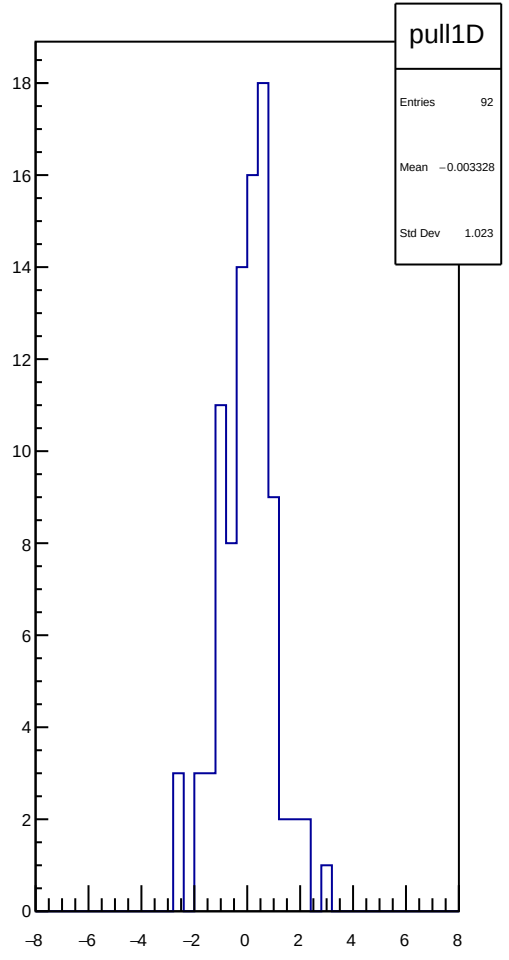

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 117 / 91
p0 2232 ± 1.7
2300
2280
2260
2240
2220
2200
2180
2160

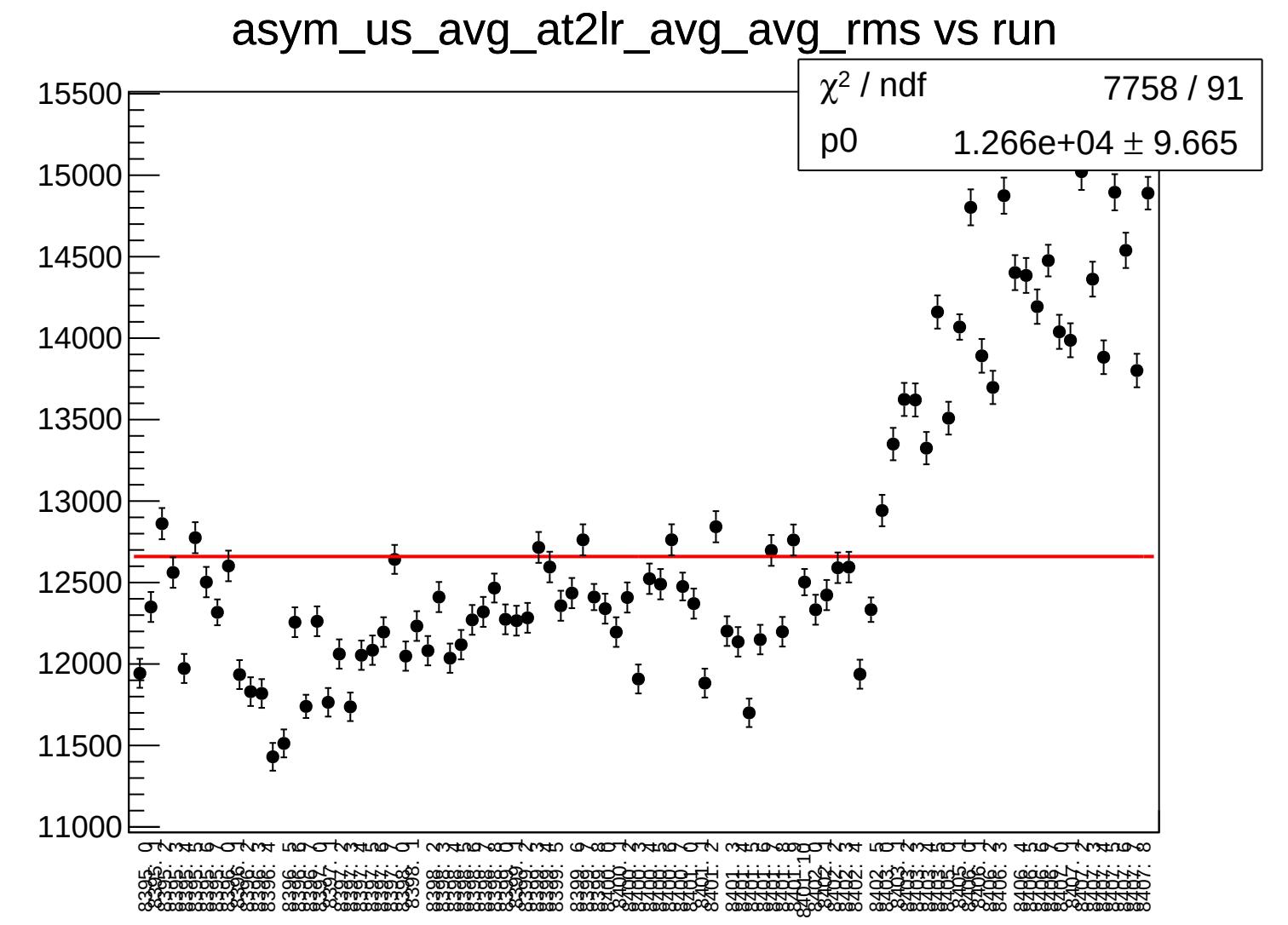

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 94.48 / 91
p0 −1.002e+04 ± 1.352e+04
pull
Entries 92
Mean 274
Std Dev 0
3
2
1
0
−1
−2
−3

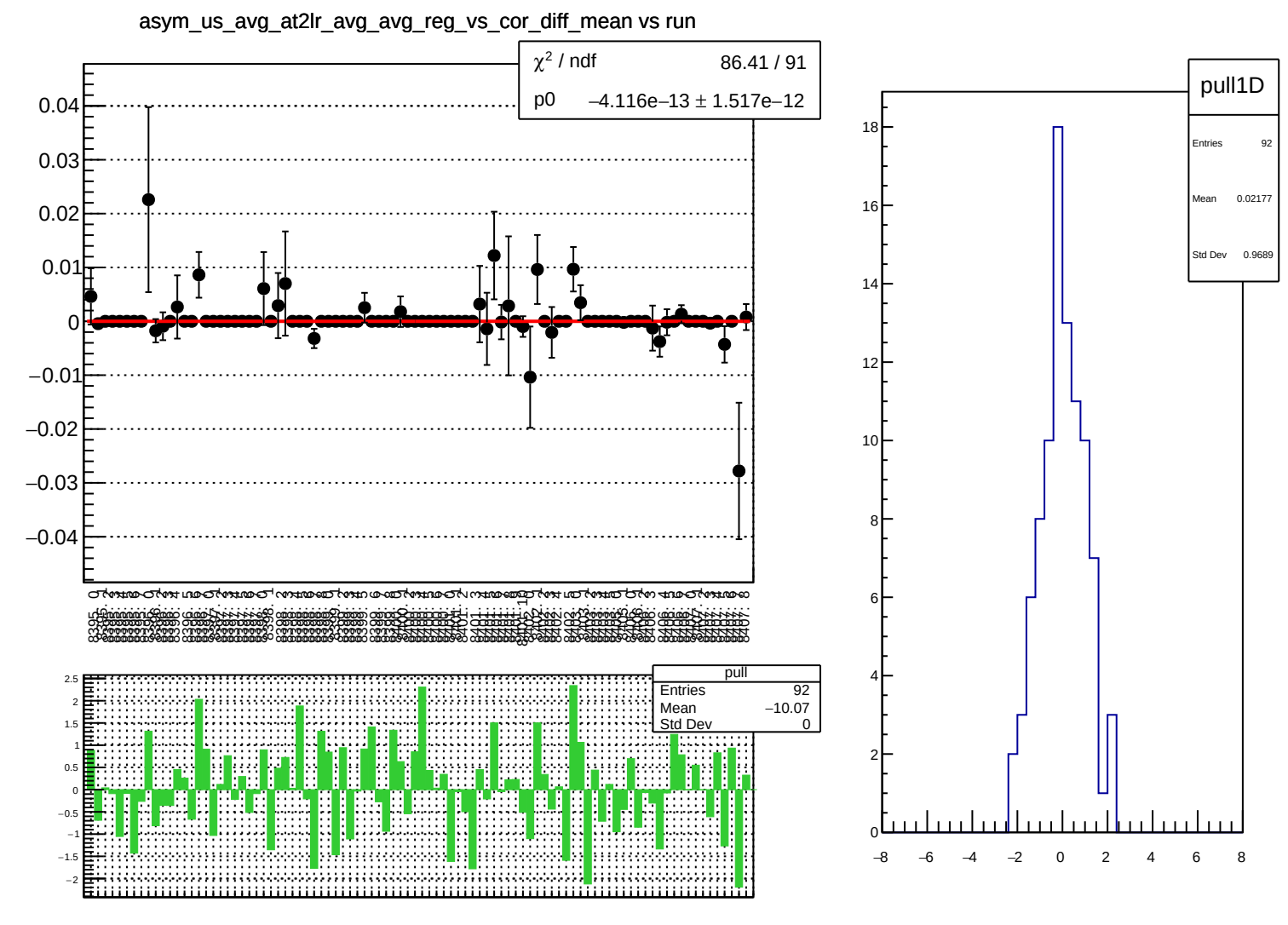

pull1D
Entries 92
Mean 0.002648
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

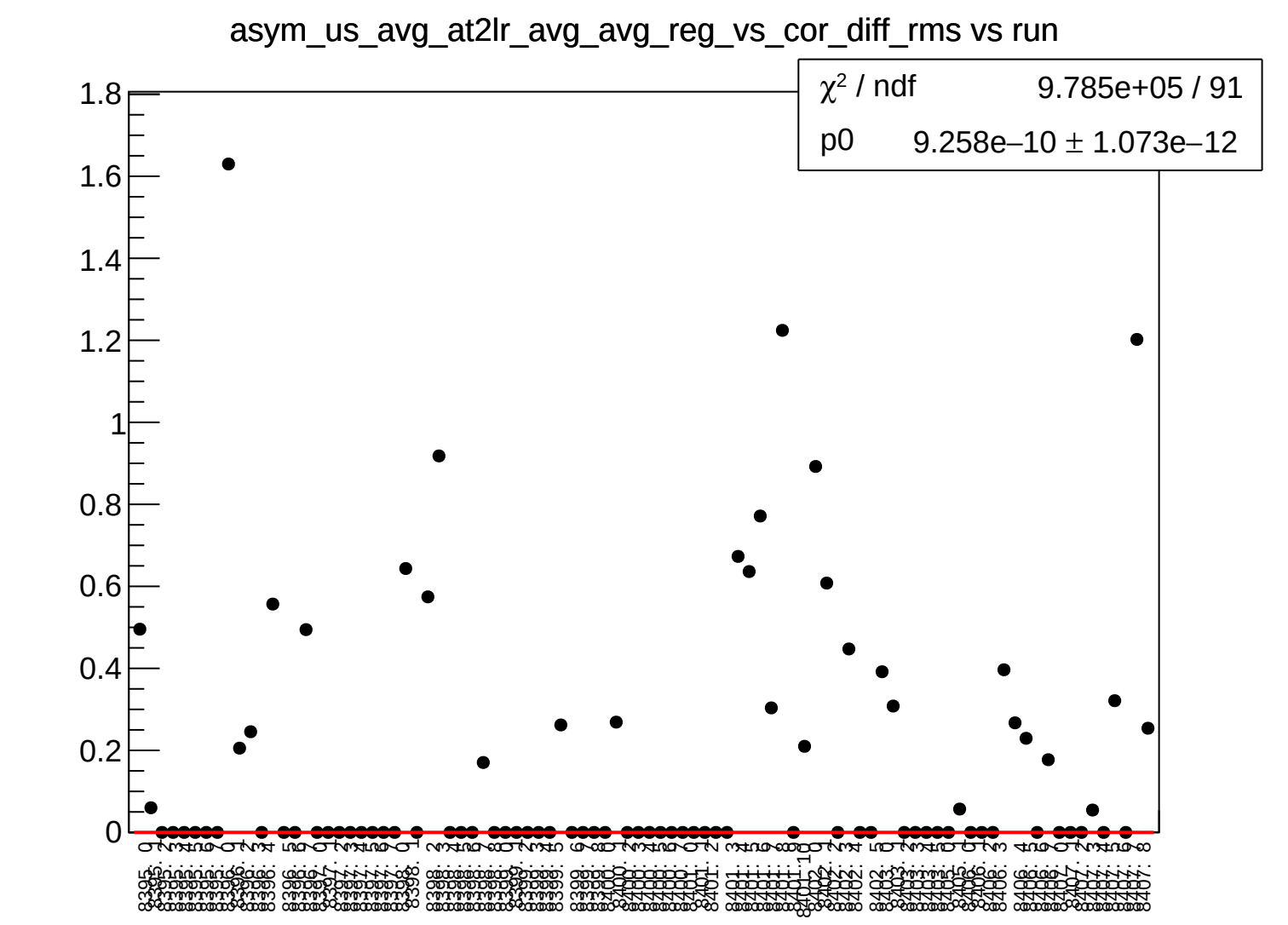

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7559 / 91
p0 1.253e+04 ± 9.564
15000
14500
14000
13500
13000
12500
12000
11500
11000

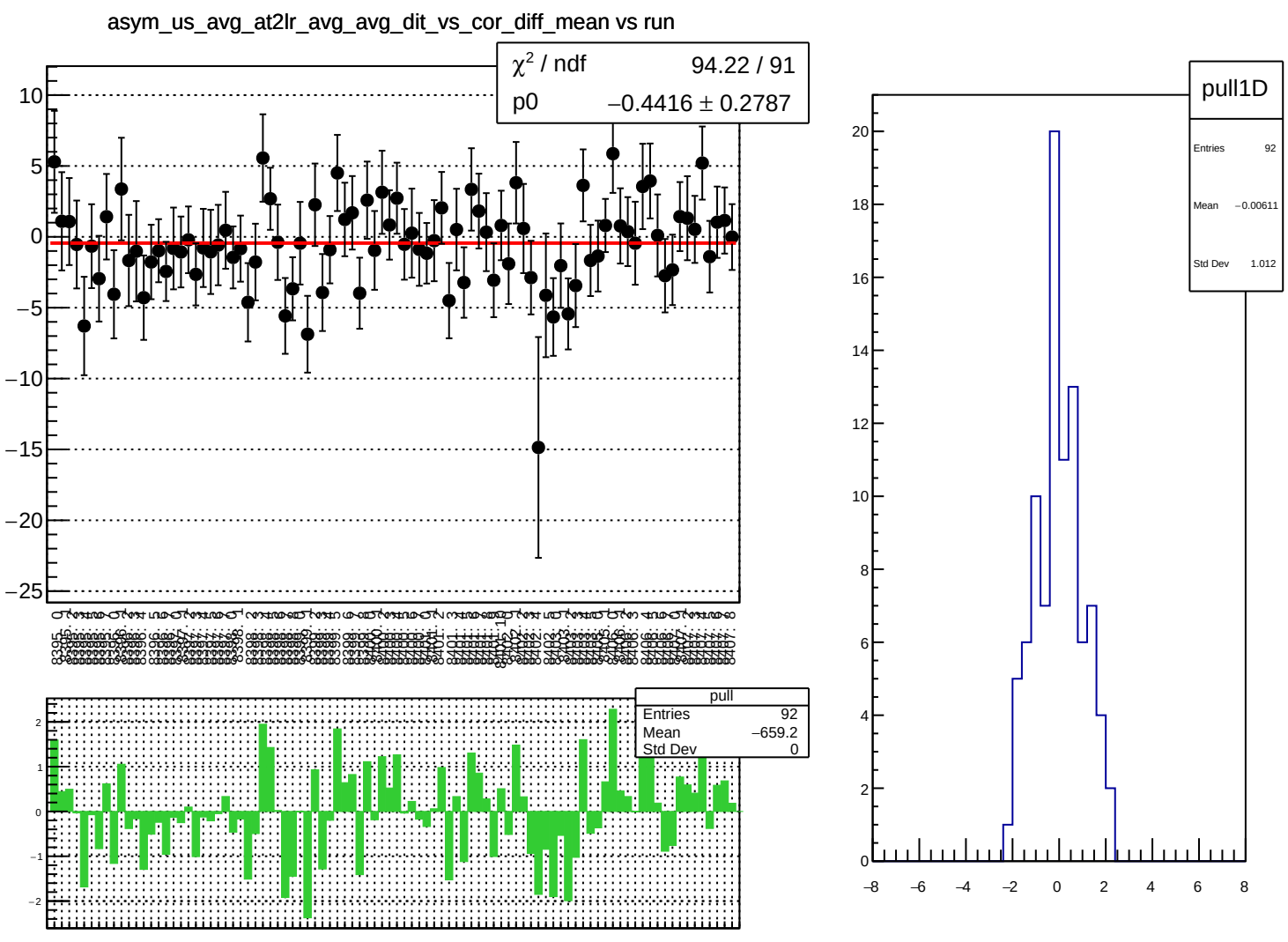

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 96.21 / 91
p0 1.131e+04 ± 1.367e+04
pull
Entries 92
Mean 7.909
Std Dev 0
3
2
1
0
−1
−2

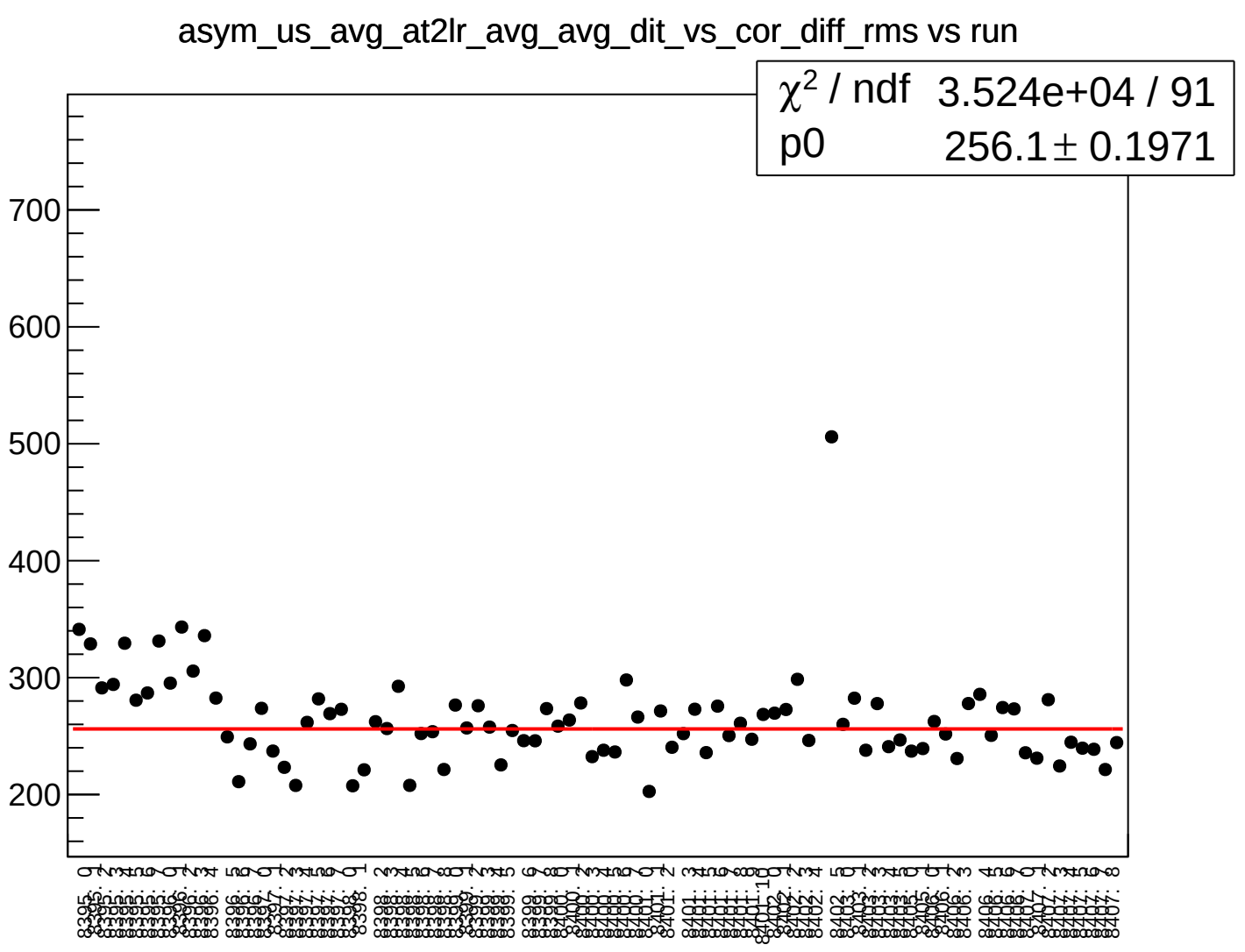

pull1D
Entries 92
Mean −0.003328
Std Dev 1.023
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

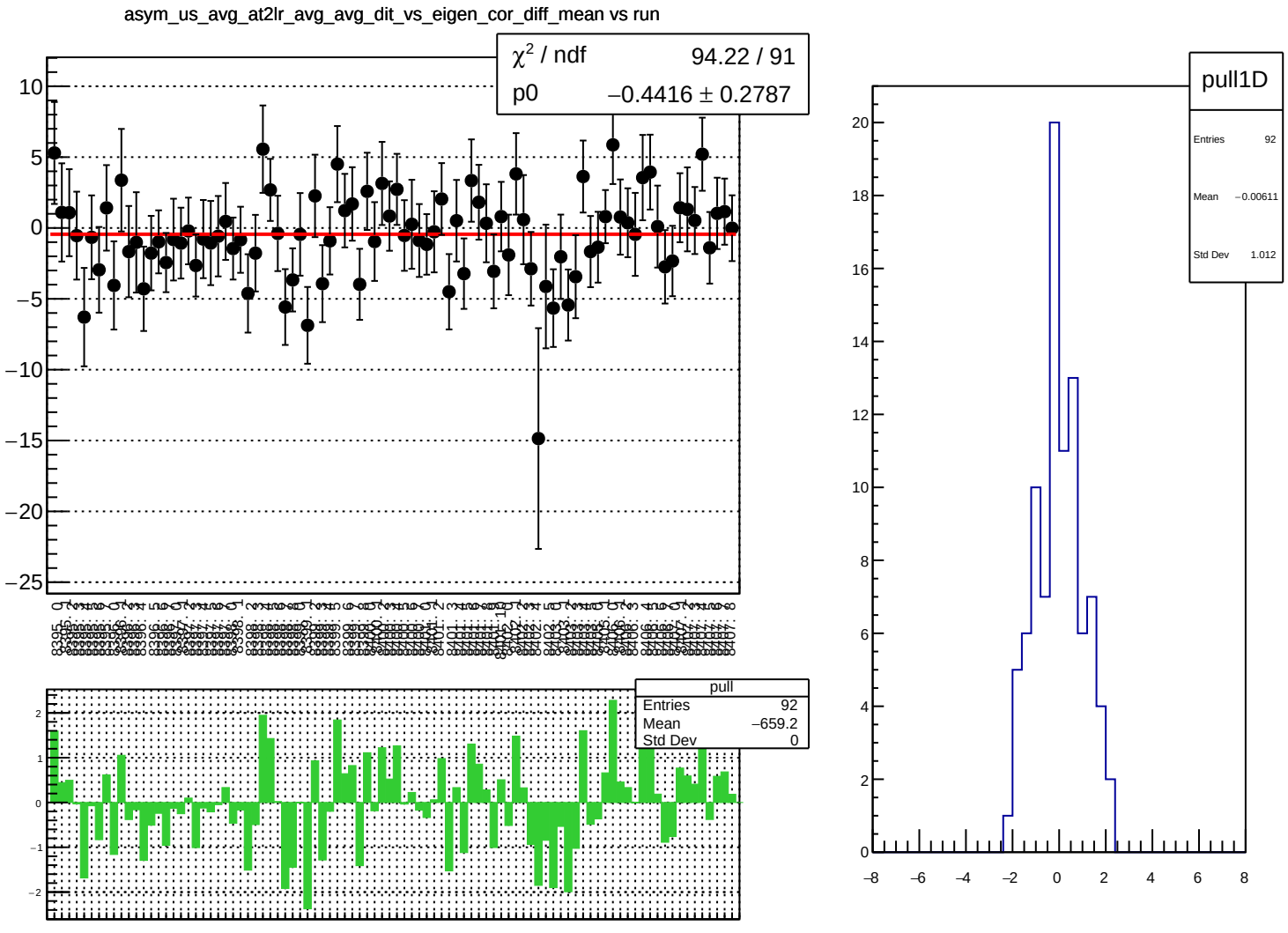

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 7758 / 91
p0 1.266e+04 ± 9.665
15500
15000
14500
14000
13500
13000
12500
12000
11500
11000

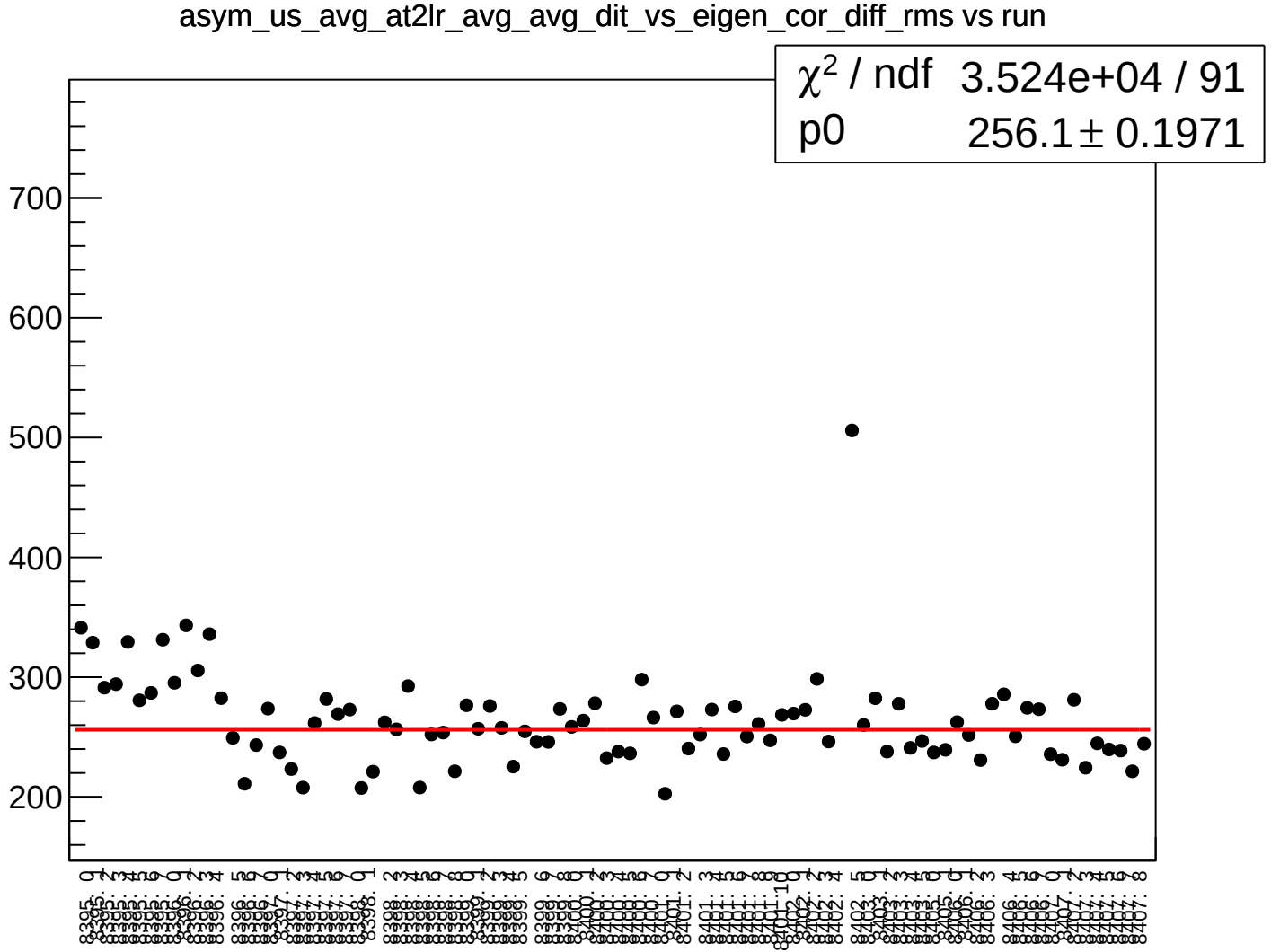

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 86.41 / 91
p0 −4.116e−13 ± 1.517e−12
pull
Entries 92
Mean −10.07
Std Dev 0
pull1D
Entries 92
Mean 0.02177
Std Dev 0.9689

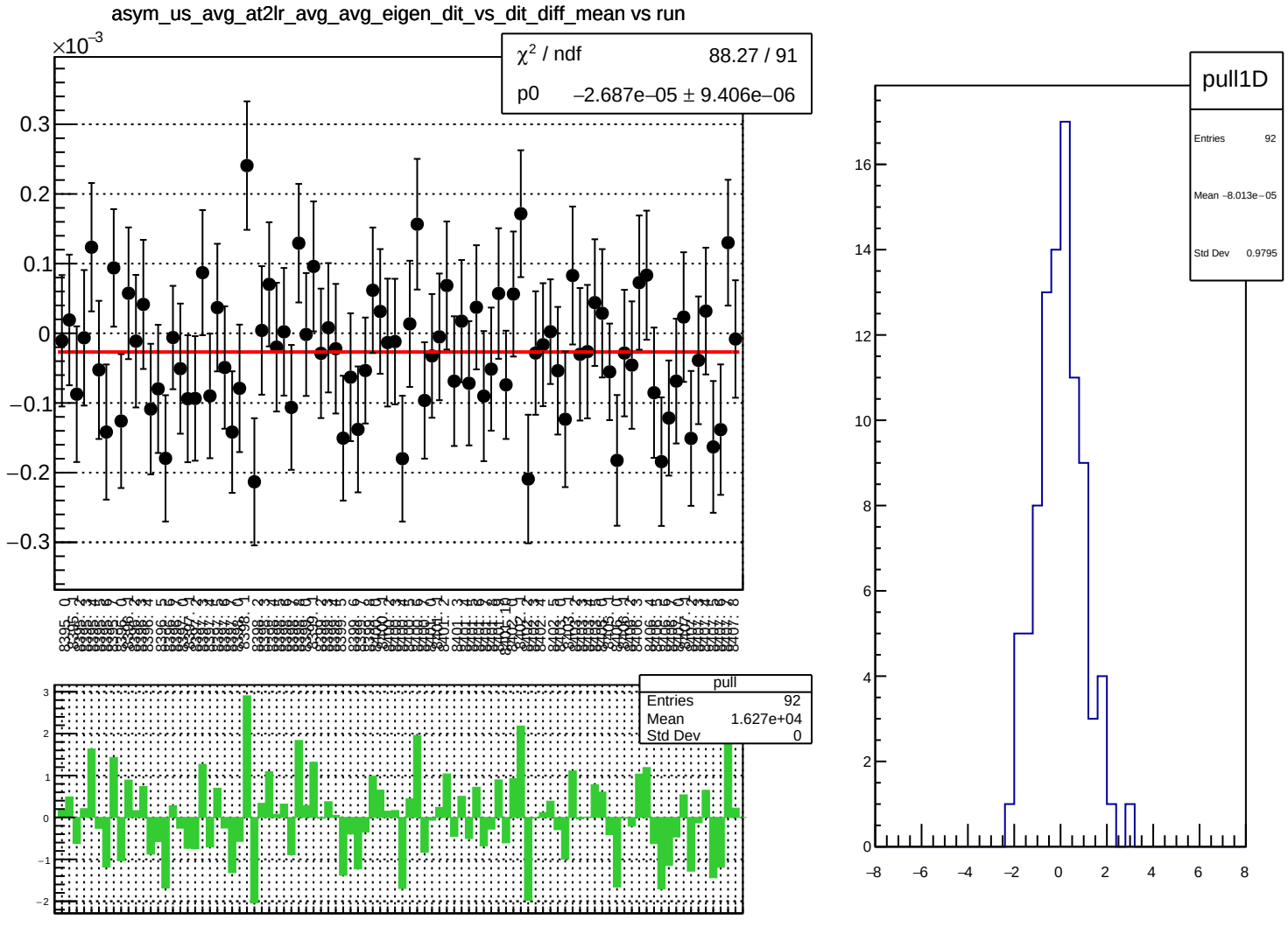

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.785e+05 / 91
p0 9.258e−10 ± 1.073e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

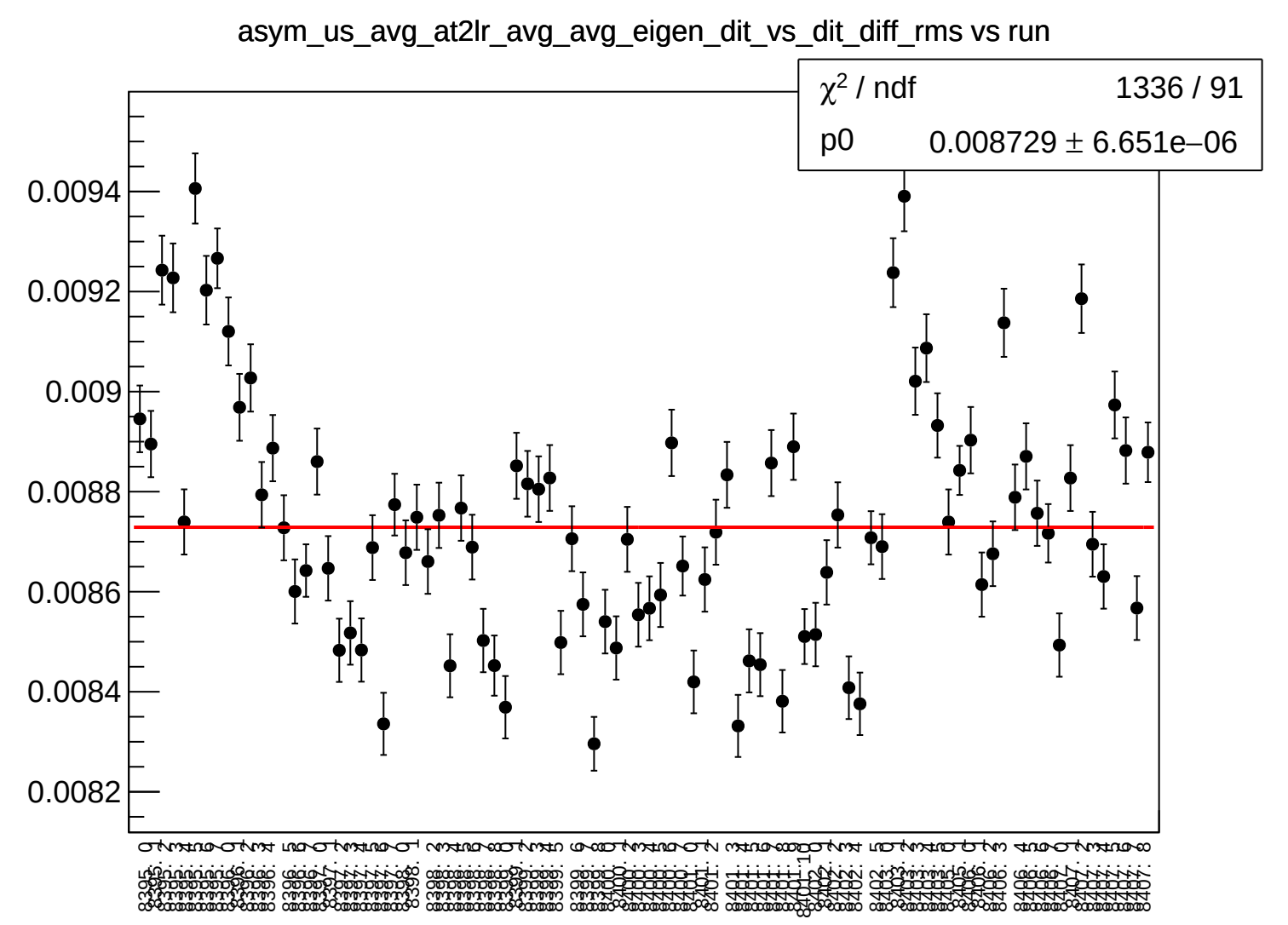

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 94.22 / 91
p0 −0.4416 ± 0.2787
pull
Entries 92
Mean −659.2
Std Dev 0
pull1D
Entries 92
Mean −0.00611
Std Dev 1.012

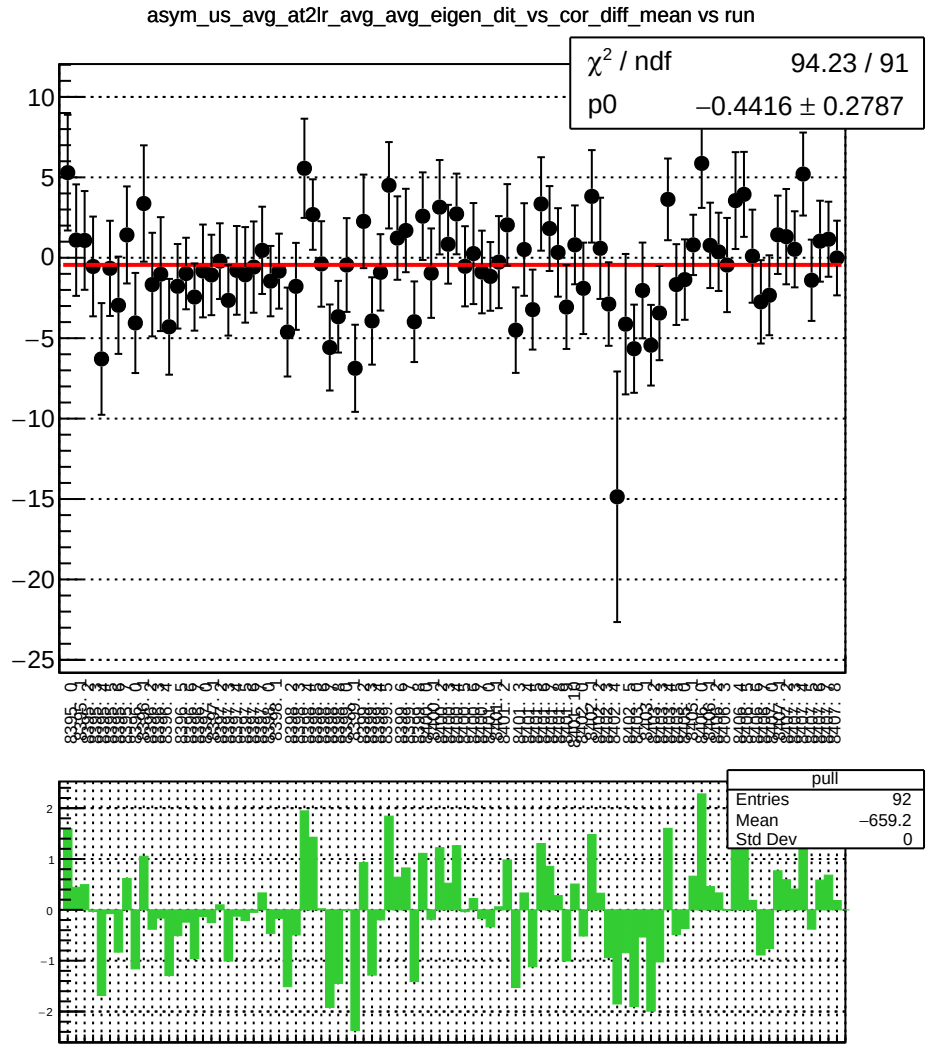

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.524e+04 / 91
p0 256.1 ± 0.1971
700
600
500
400
300
200

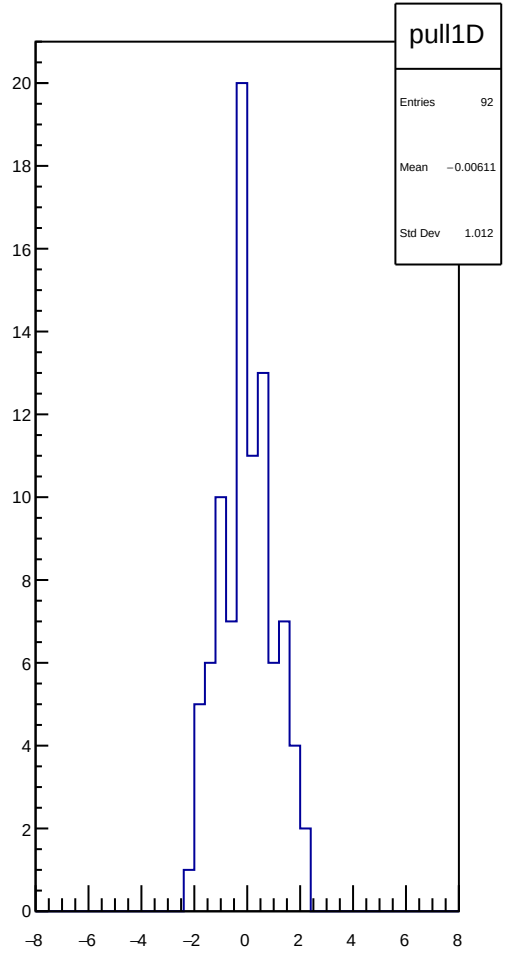

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.22 / 91
p0 −0.4416 ± 0.2787
pull
Entries 92
Mean −659.2
Std Dev 0
pull1D
Entries 92
Mean −0.00611
Std Dev 1.012

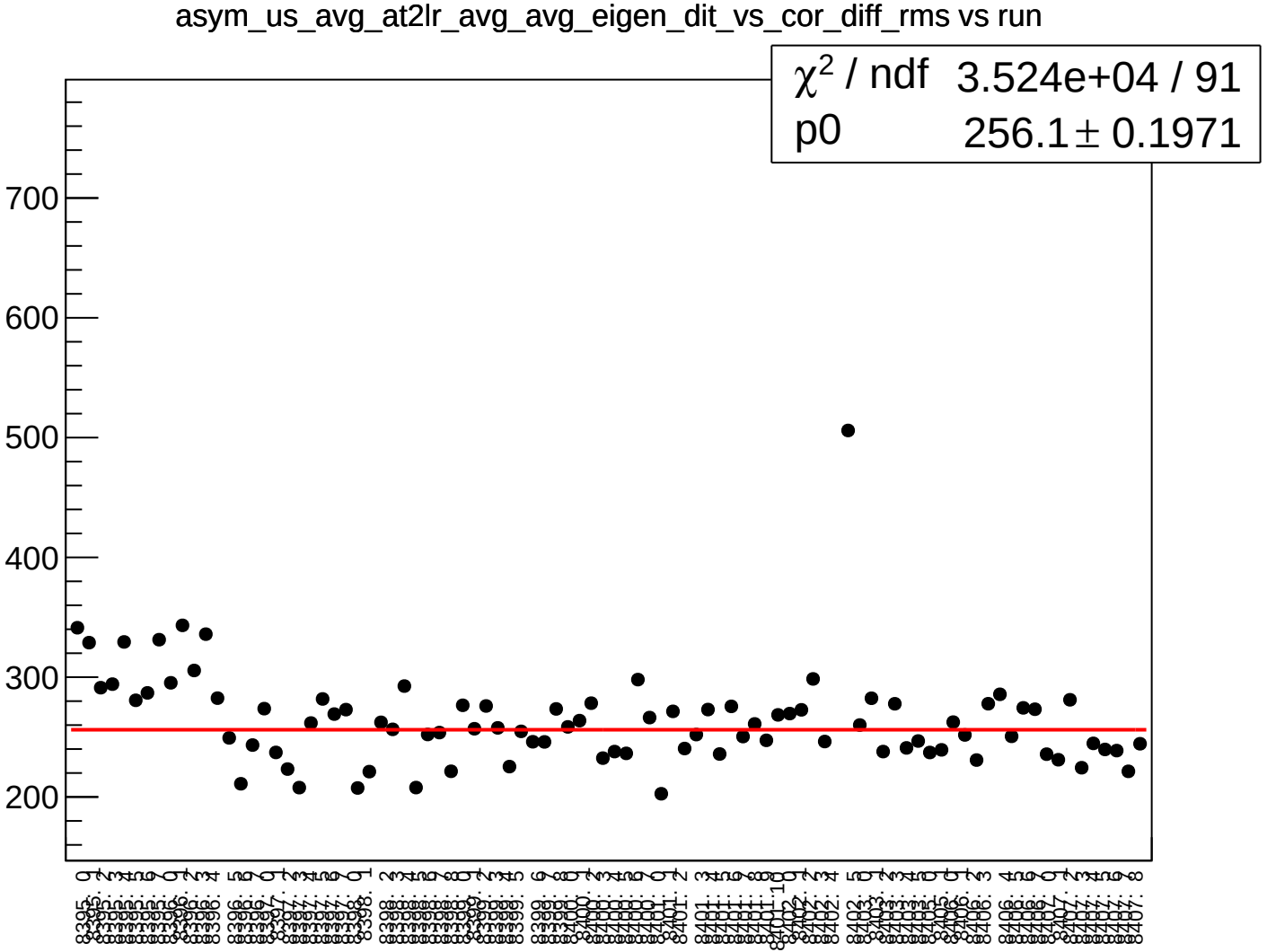

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.524e+04 / 91
p0 256.1 ± 0.1971
700
600
500
400
300
200

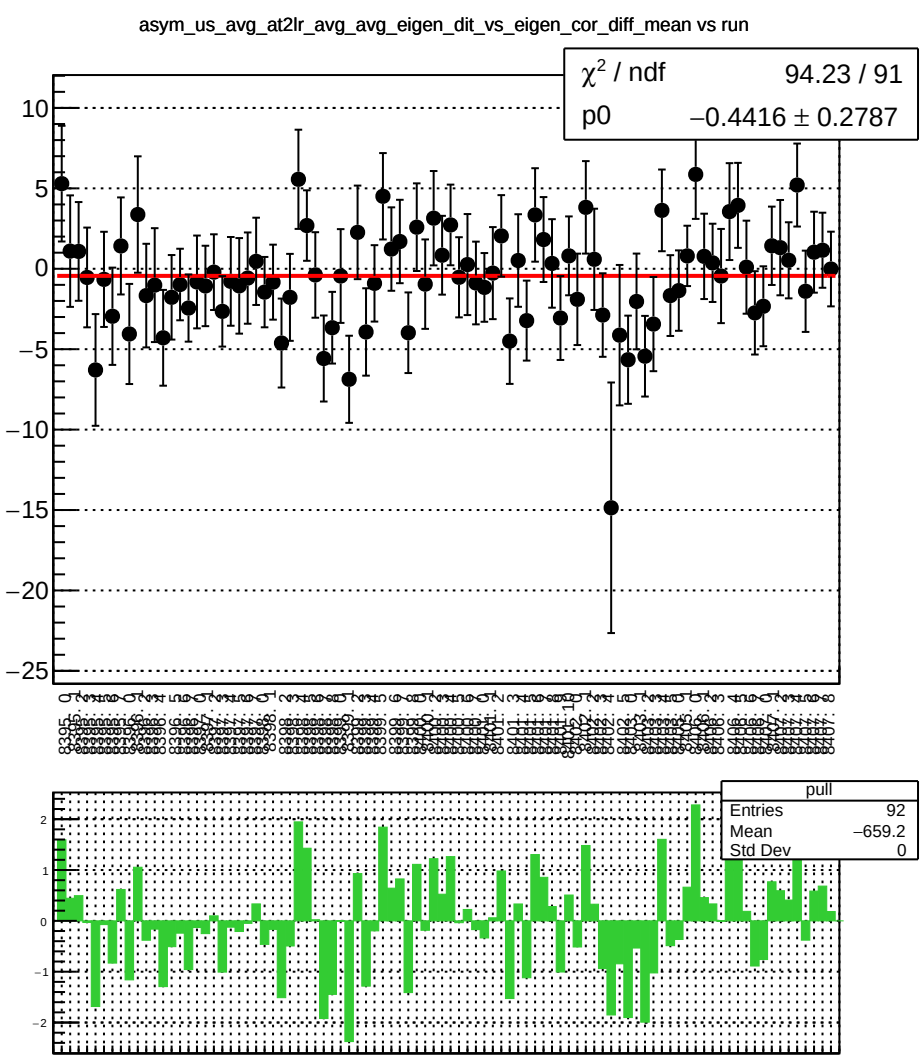

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 88.27 / 91
p0 −2.687e−05 ± 9.406e−06
pull
Entries 92
Mean 1.627e+04
Std Dev 0
pull1D
Entries 92
Mean −8.013e−05
Std Dev 0.9795

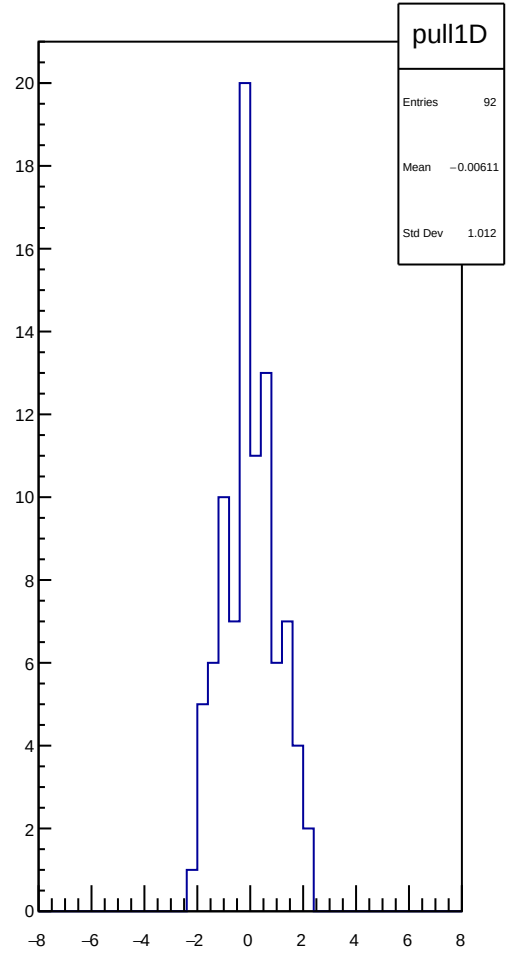

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1336 / 91
p0 0.008729 ± 6.651e−06
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082

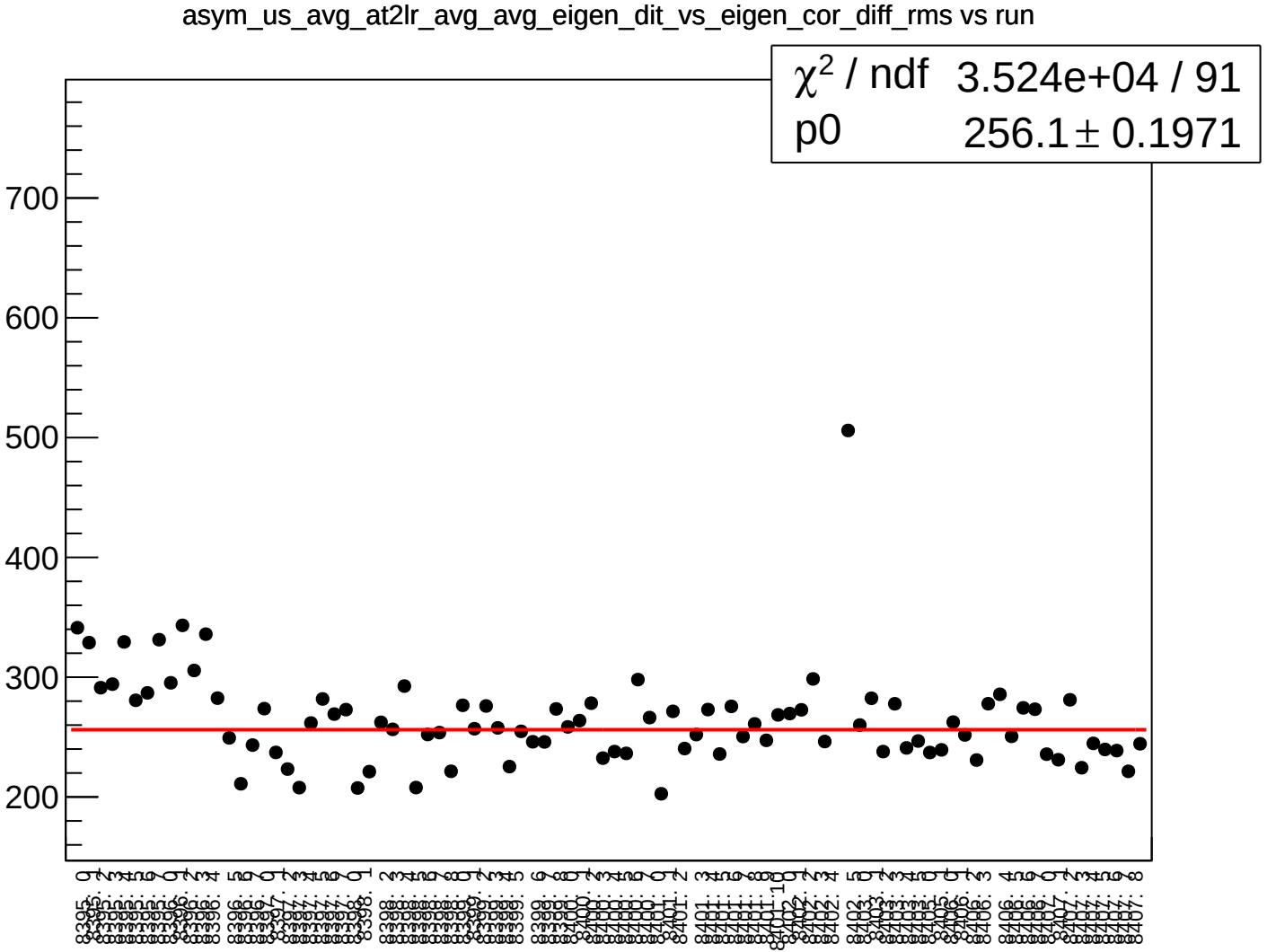

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.23 / 91
p0 −0.4416 ± 0.2787
pull
Entries 92
Mean −659.2
Std Dev 0

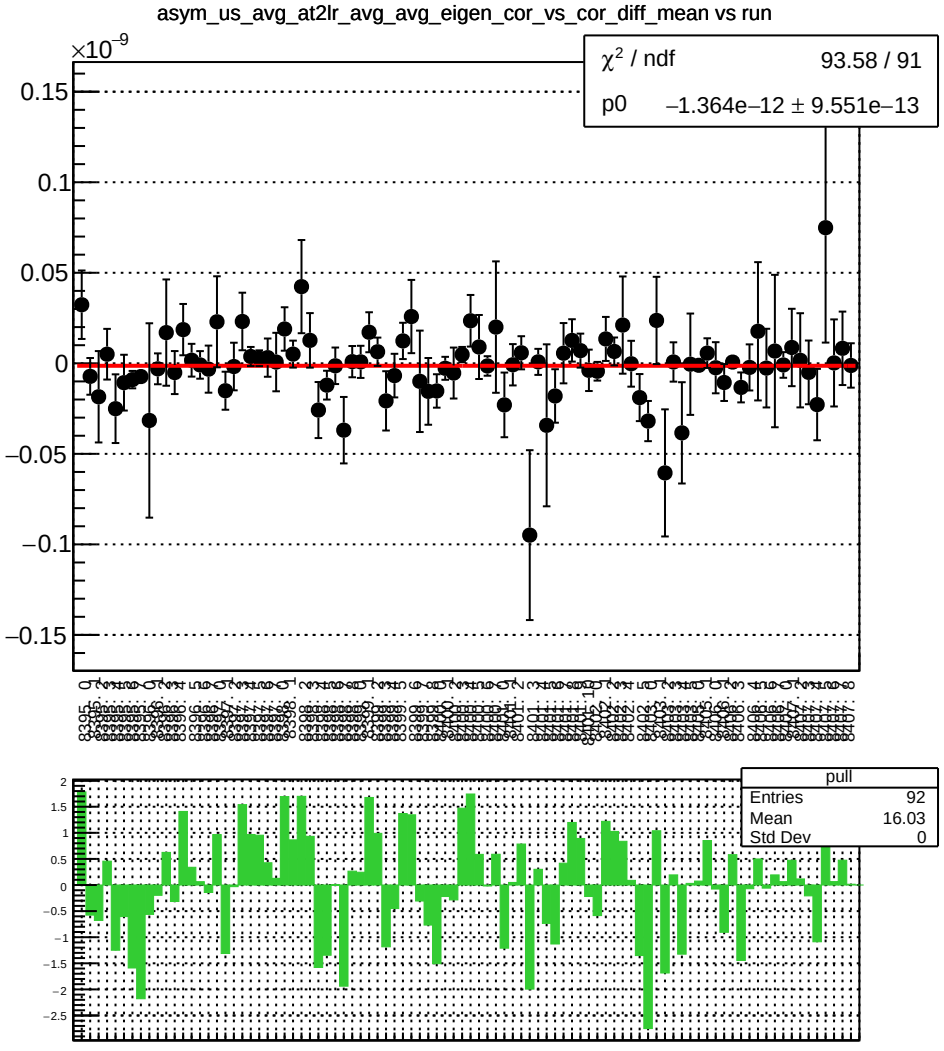

pull1D
Entries 92
Mean −0.00611
Std Dev 1.012

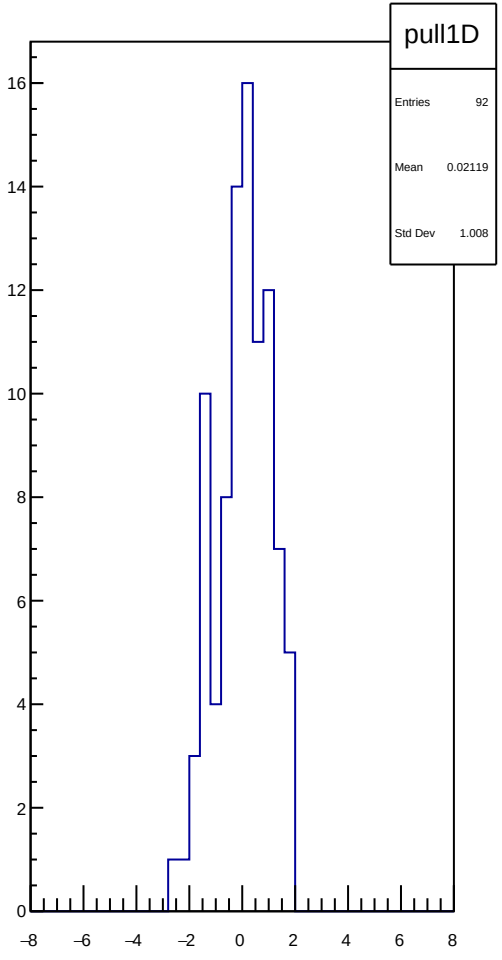

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.524e+04 / 91
p0 256.1 ± 0.1971
700
600
500
400
300
200

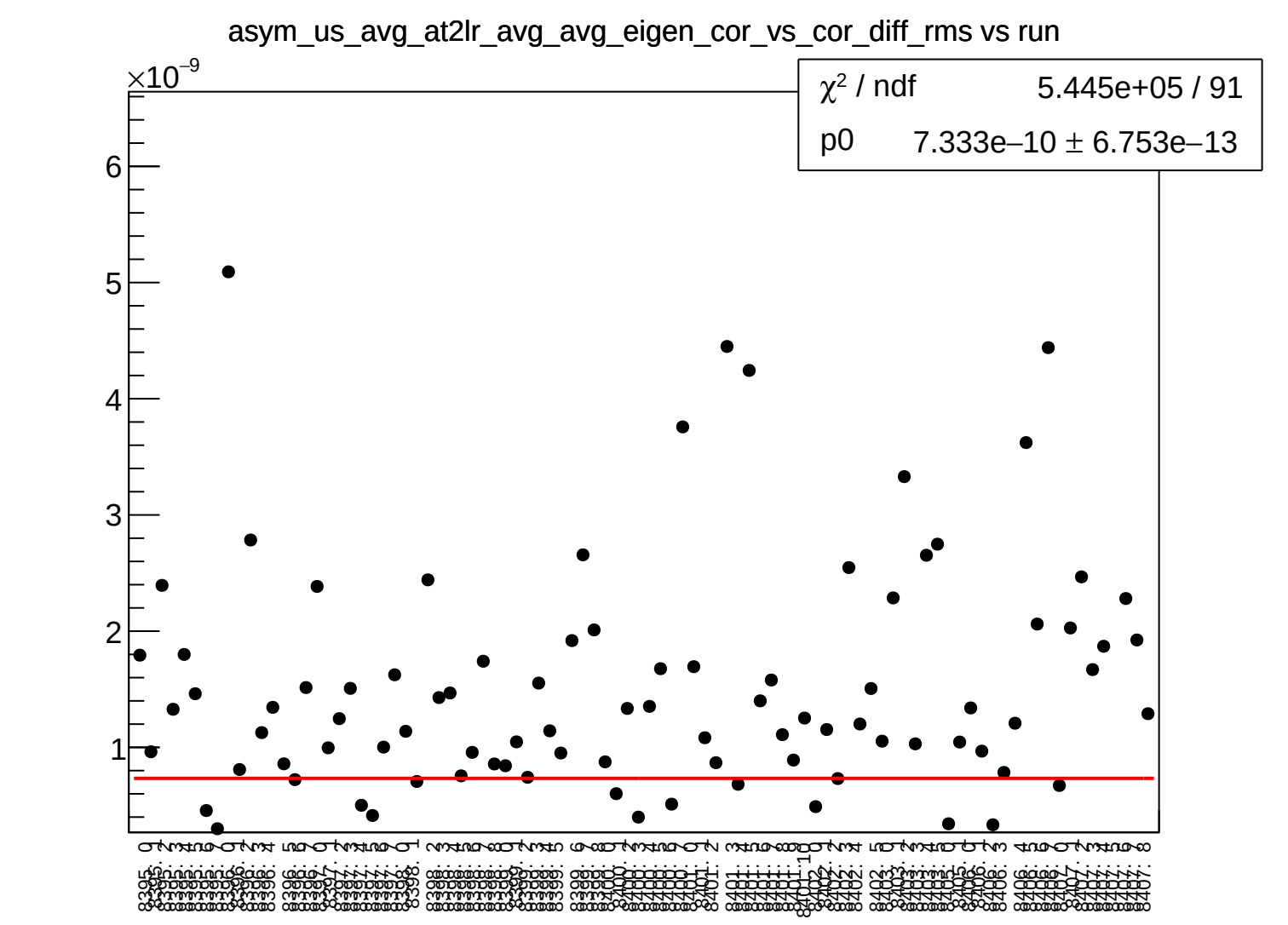

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.23 / 91
p0 −0.4416 ± 0.2787
pull
Entries 92
Mean −659.2
Std Dev 0

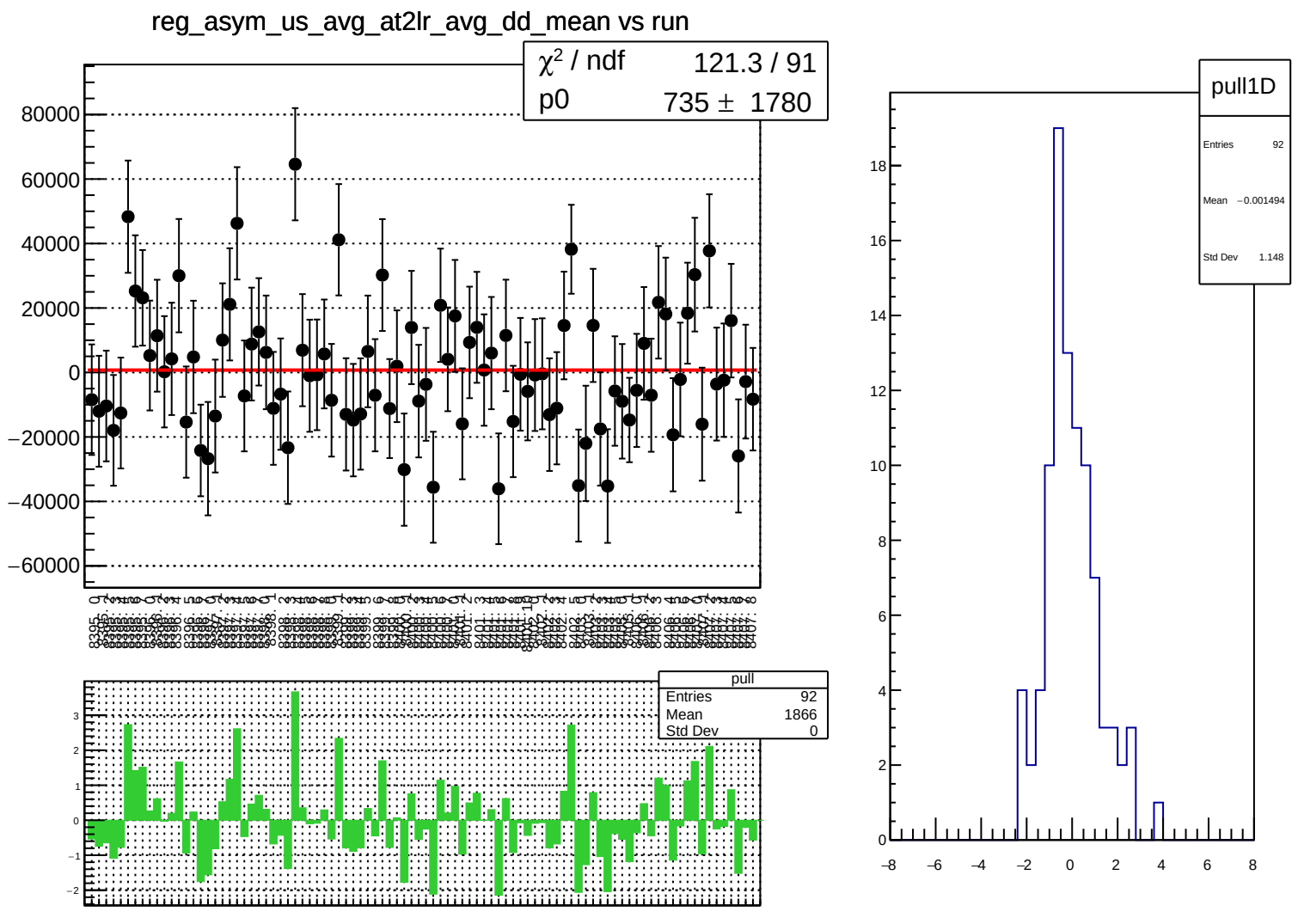

pull1D
Entries 92
Mean −0.00611
Std Dev 1.012

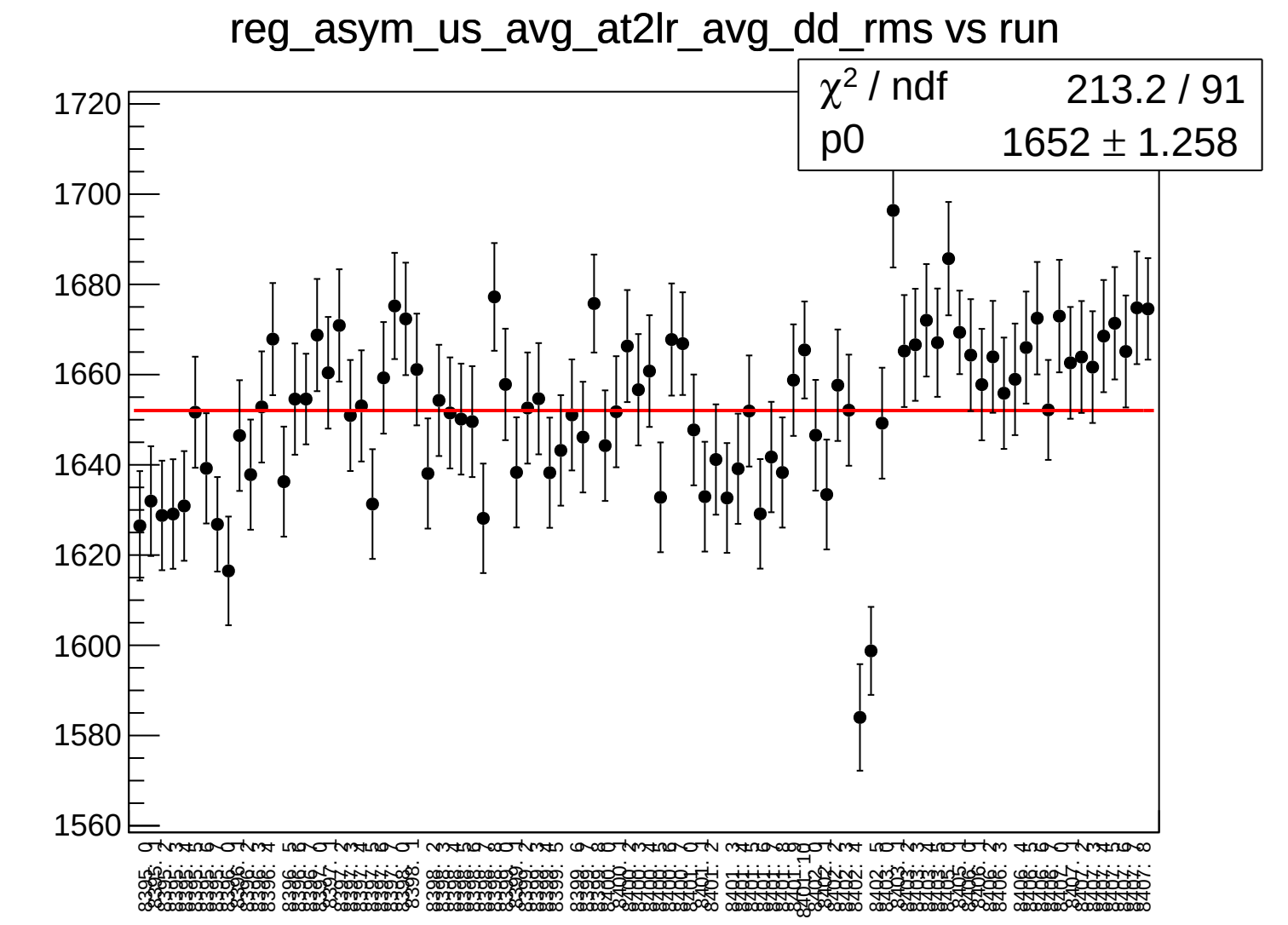

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.524e+04 / 91
p0 256.1 ± 0.1971
700
600
500
400
300
200

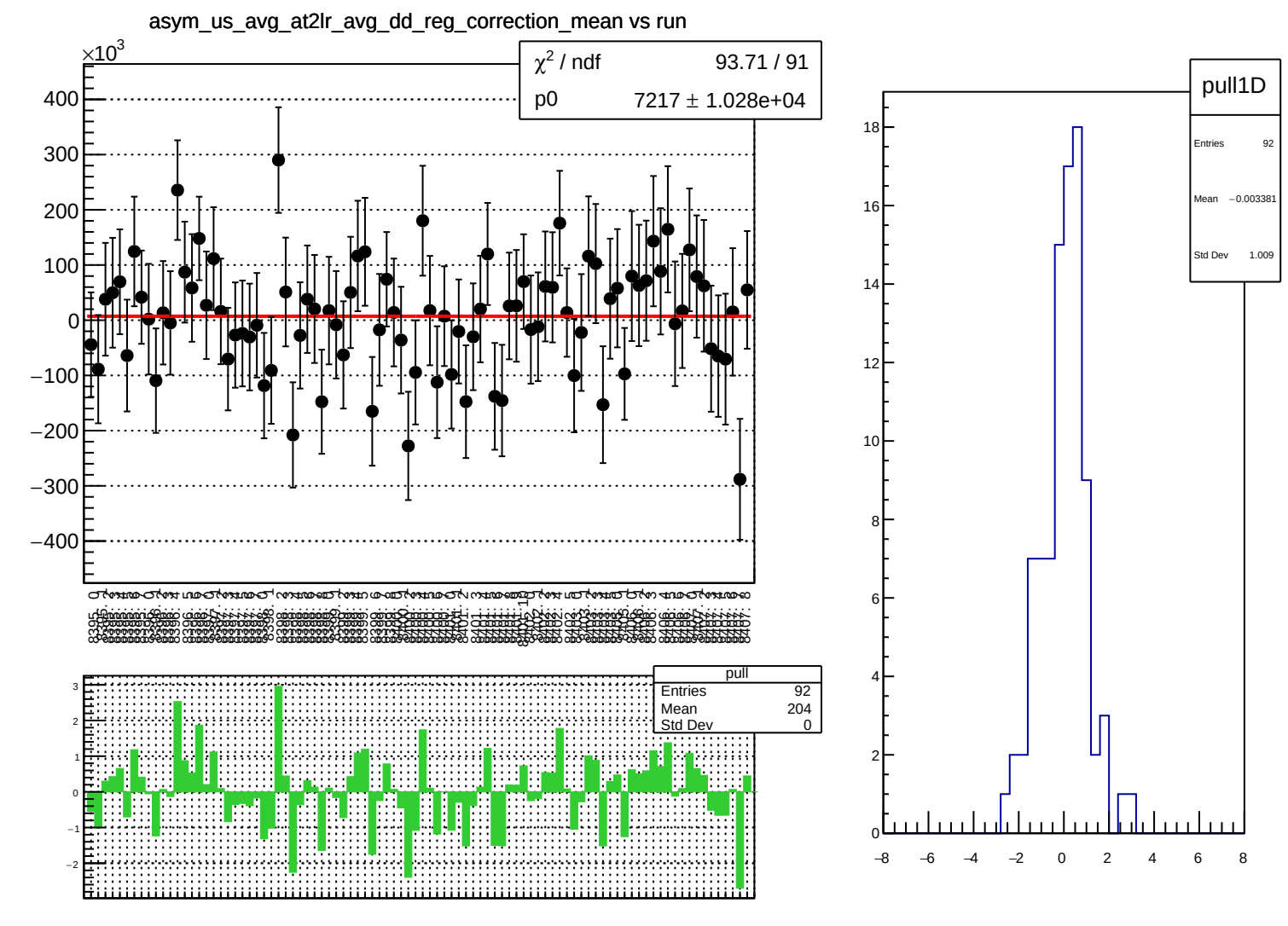

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 93.58 / 91
p0 −1.364e−12 ± 9.551e−13
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 16.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

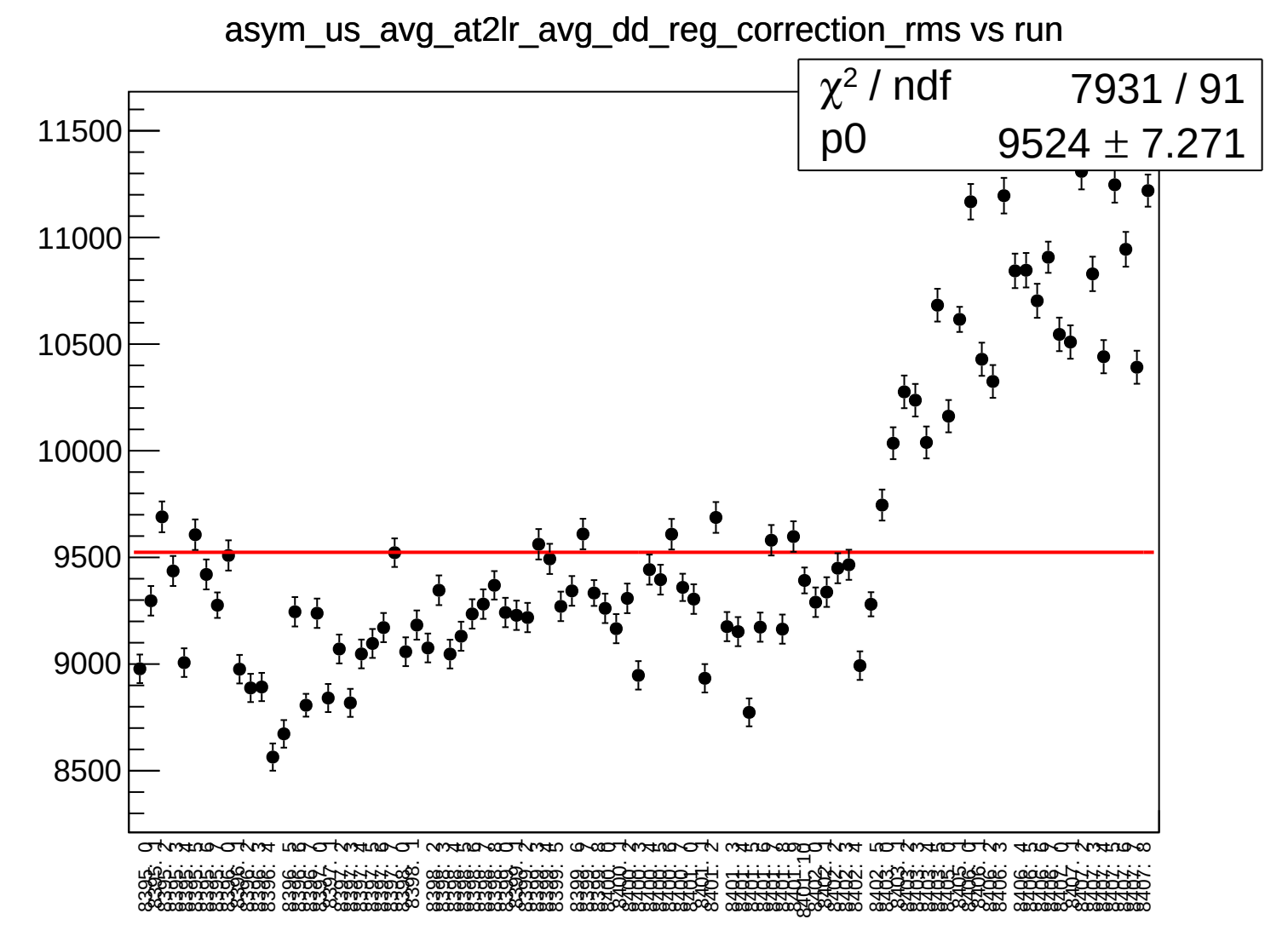

pull1D
Entries 92
Mean 0.02119
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

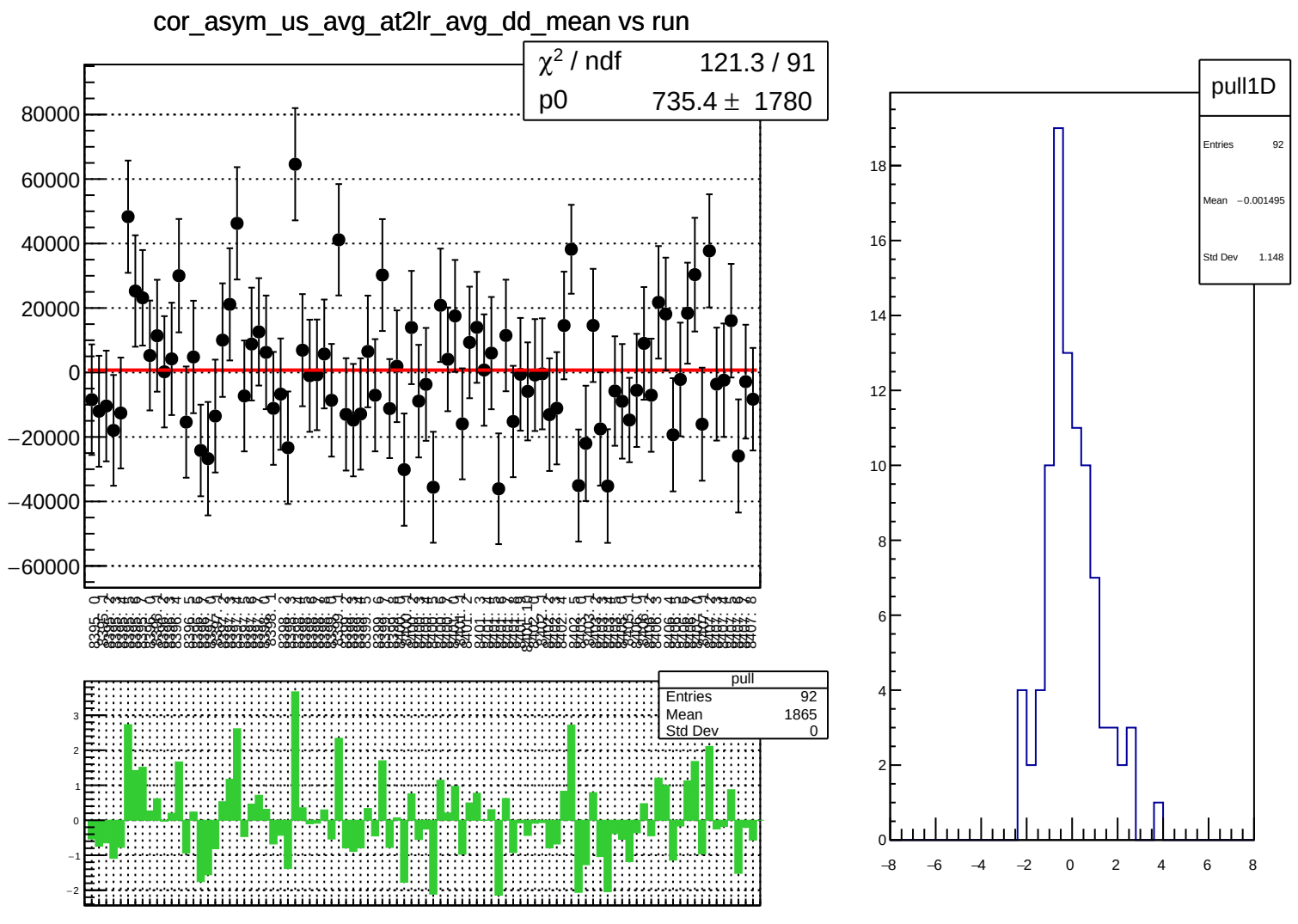

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.445e+05 / 91
p0 7.333e−10 ± 6.753e−13
6
5
4
3
2
1

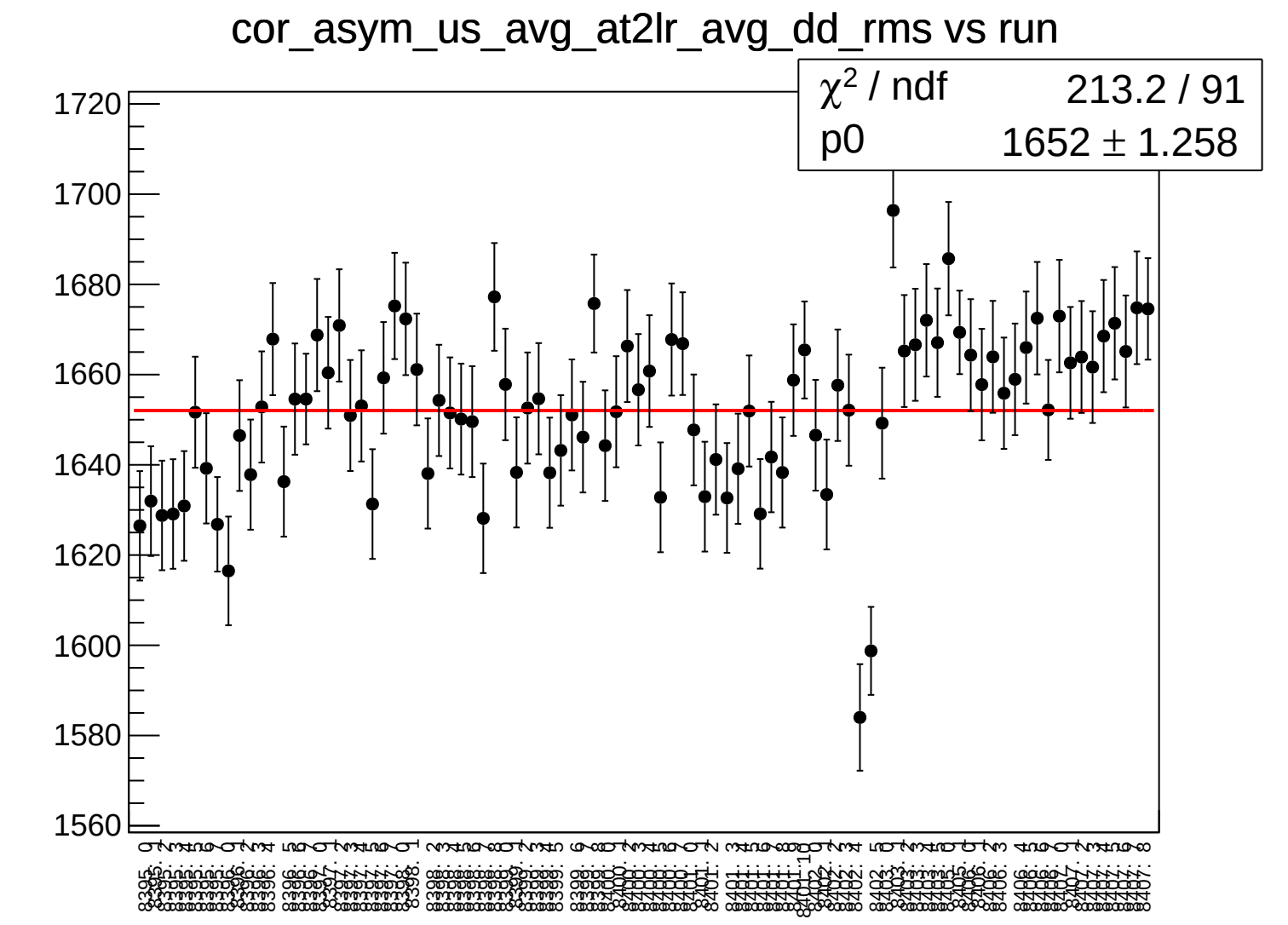

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 121.3 / 91
p0 735 ± 1780
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 1866
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001494
Std Dev 1.148
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

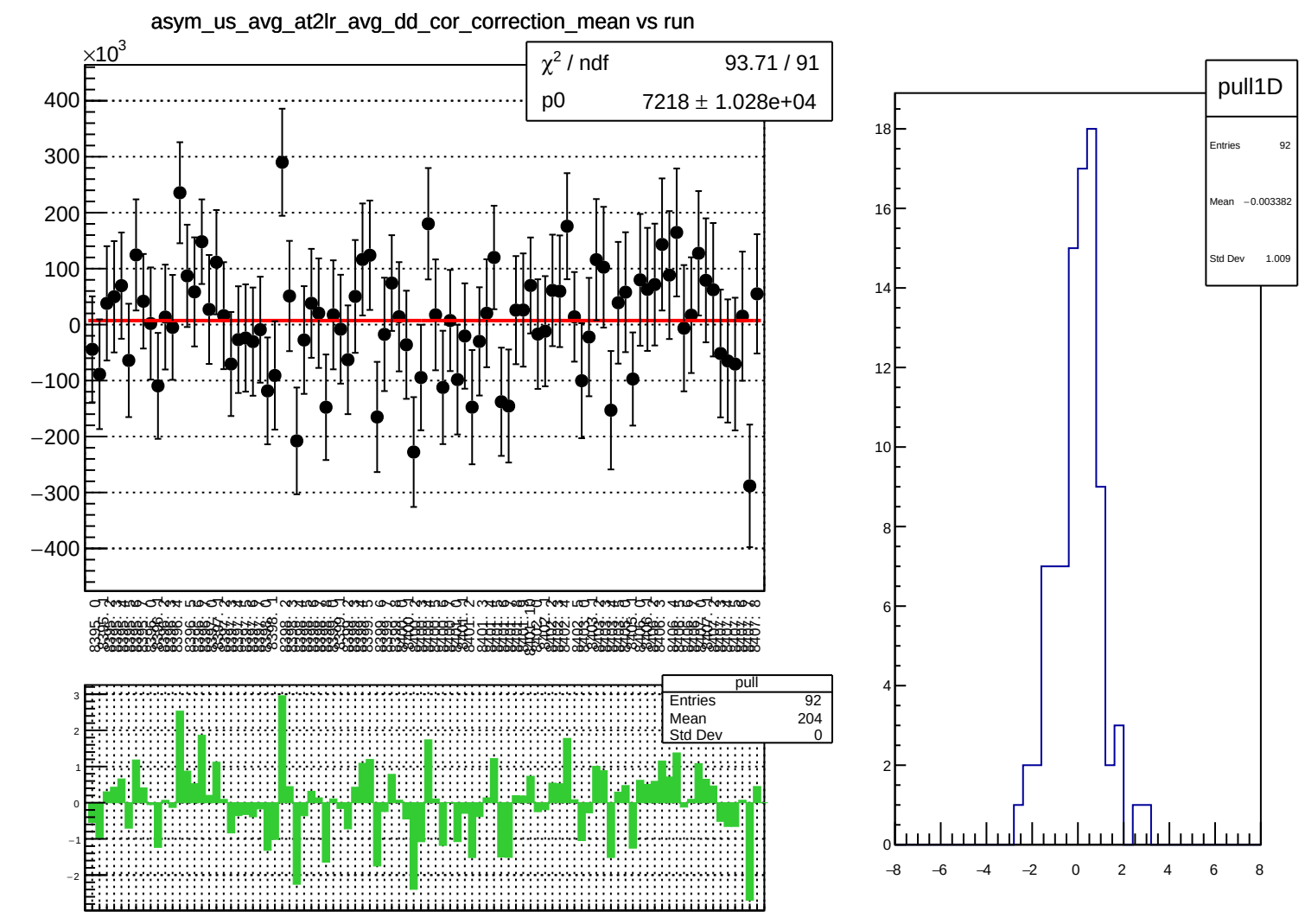

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 213.2 / 91
p0 1652 ± 1.258
1720
1700
1680
1660
1640
1620
1600
1580
1560

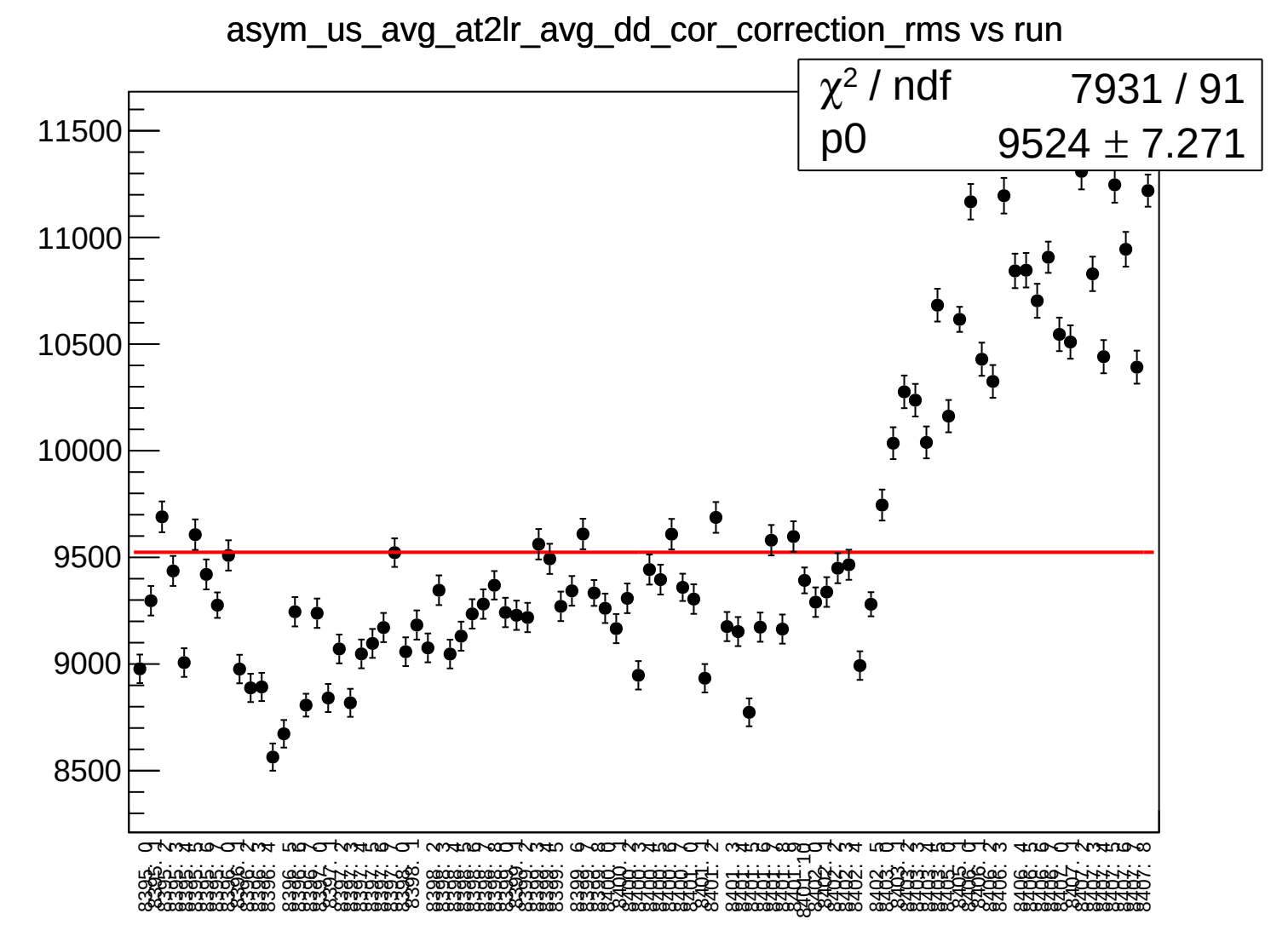

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 93.71 / 91
p0 7217 ± 1.028e+04
pull
Entries 92
Mean 204
Std Dev 0
pull1D
Entries 92
Mean −0.003381
Std Dev 1.009

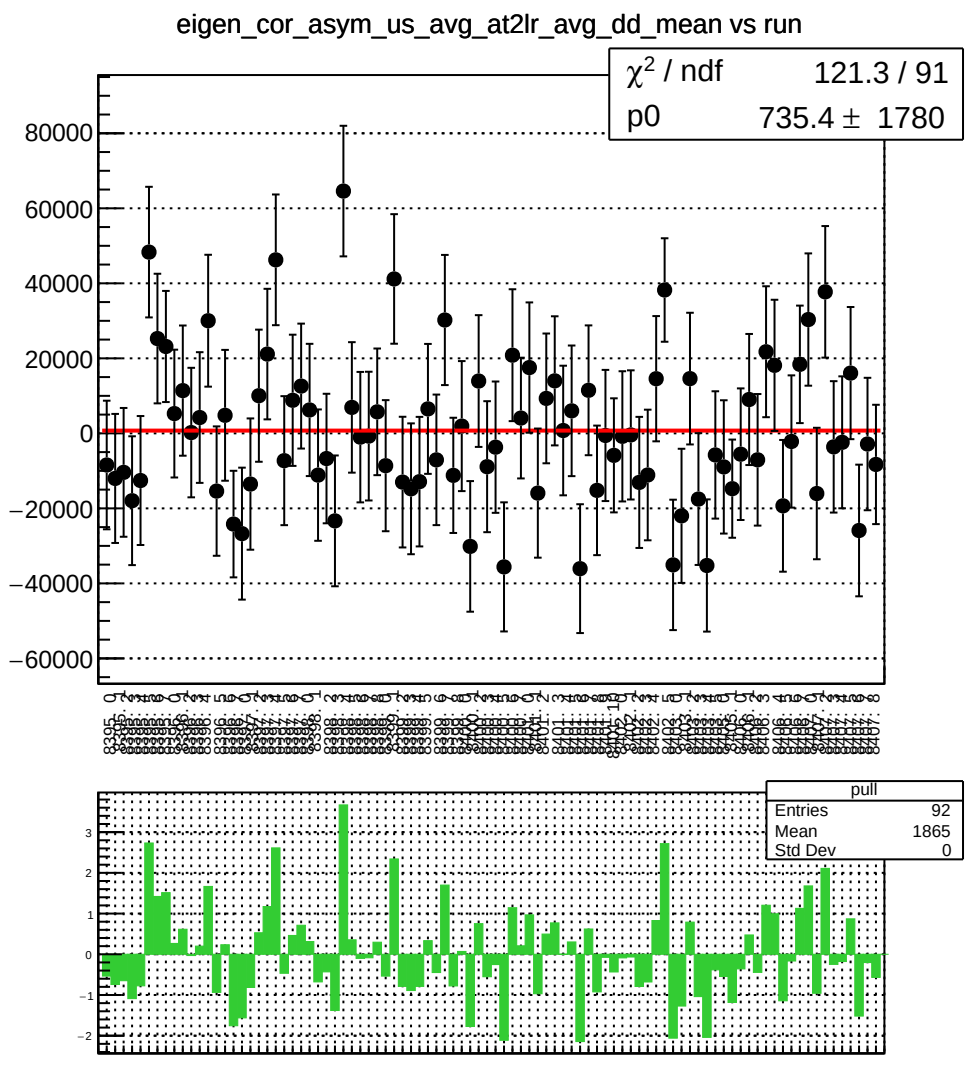

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
$\chi^2$ / ndf 7931 / 91
p0 9524 ± 7.271
11500
11000
10500
10000
9500
9000
8500

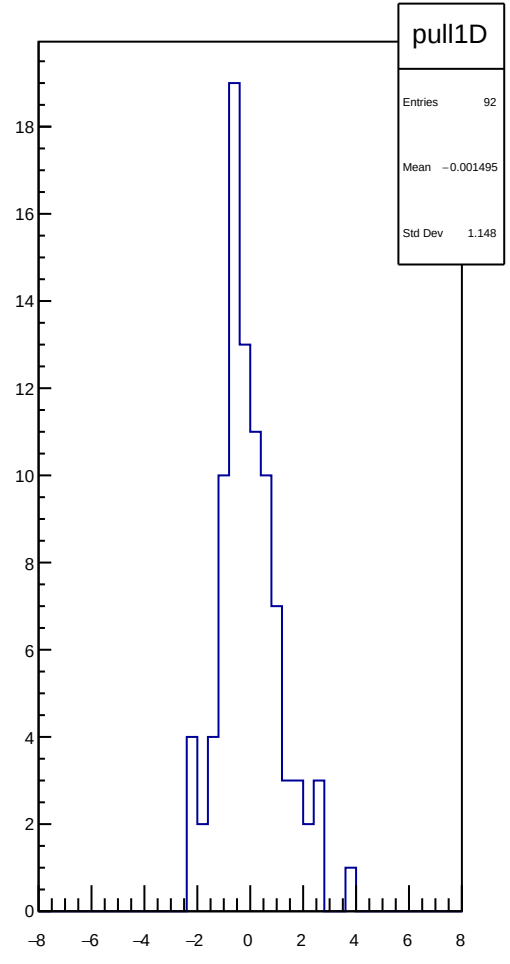

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 121.3 / 91
p0 735.4 ± 1780
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 1865
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001495
Std Dev 1.148
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

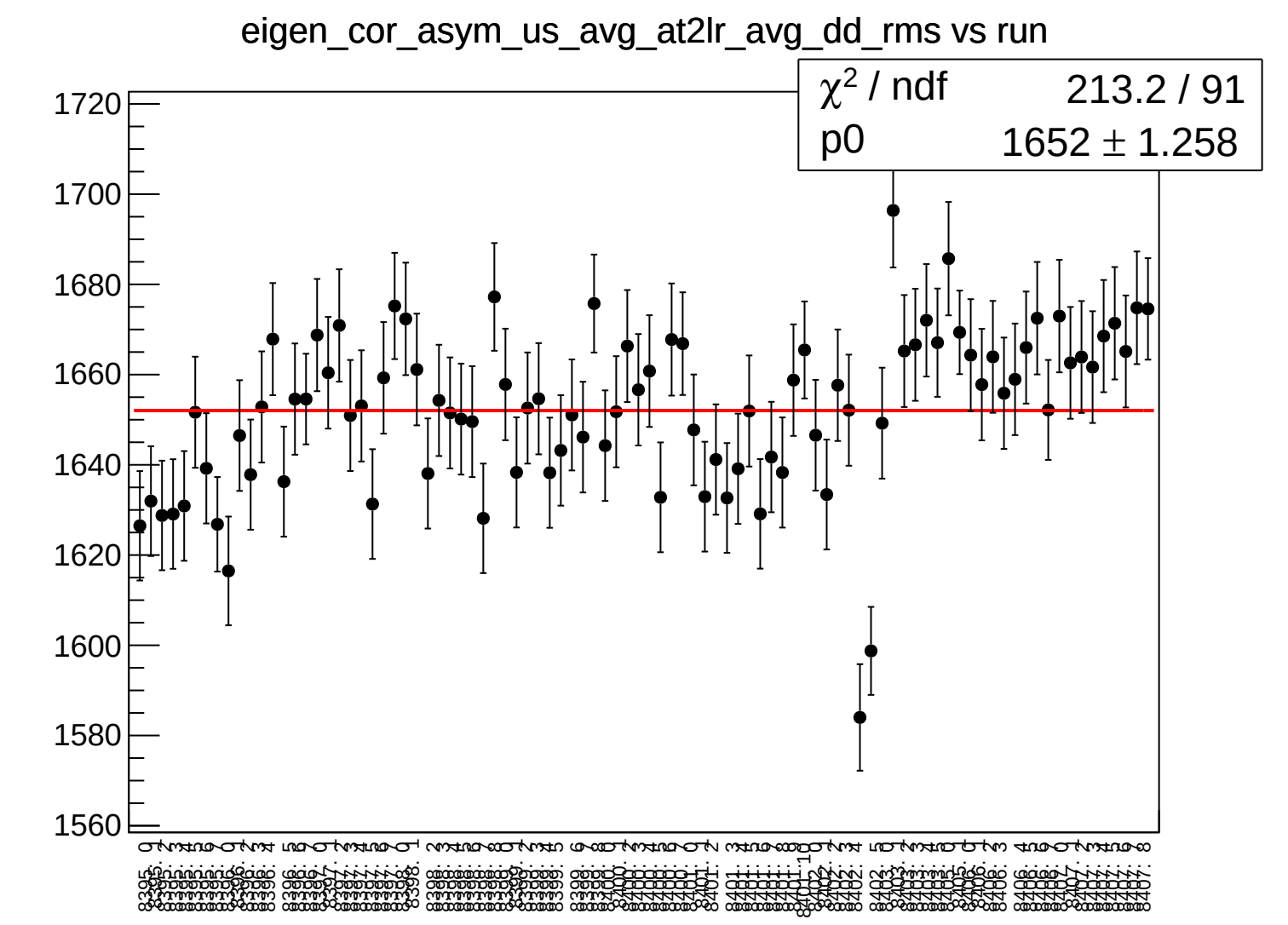

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 213.2 / 91
p0 1652 ± 1.258
1720
1700
1680
1660
1640
1620
1600
1580
1560

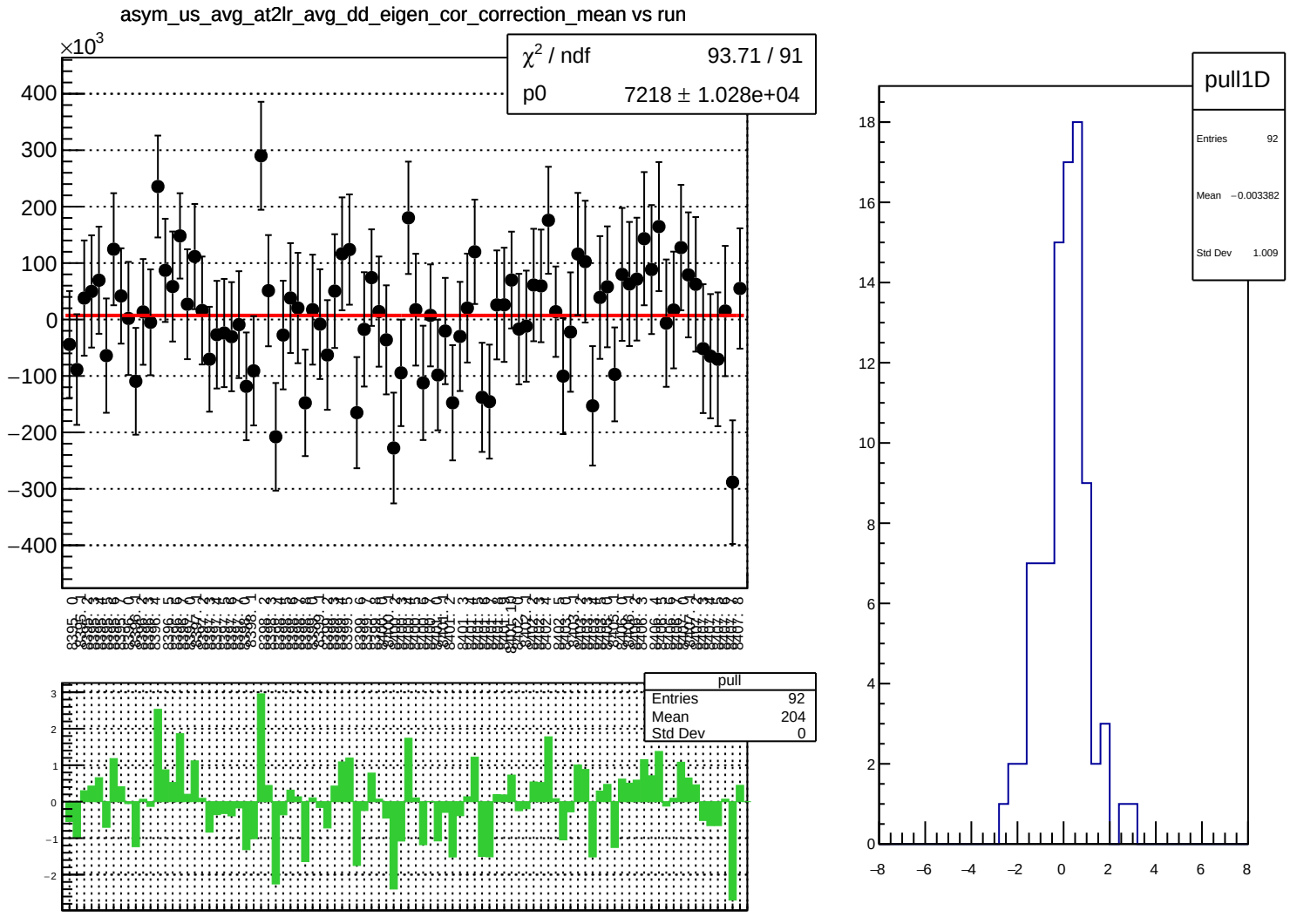

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 93.71 / 91
p0 7218 ± 1.028e+04
pull
Entries 92
Mean 204
Std Dev 0
pull1D
Entries 92
Mean −0.003382
Std Dev 1.009

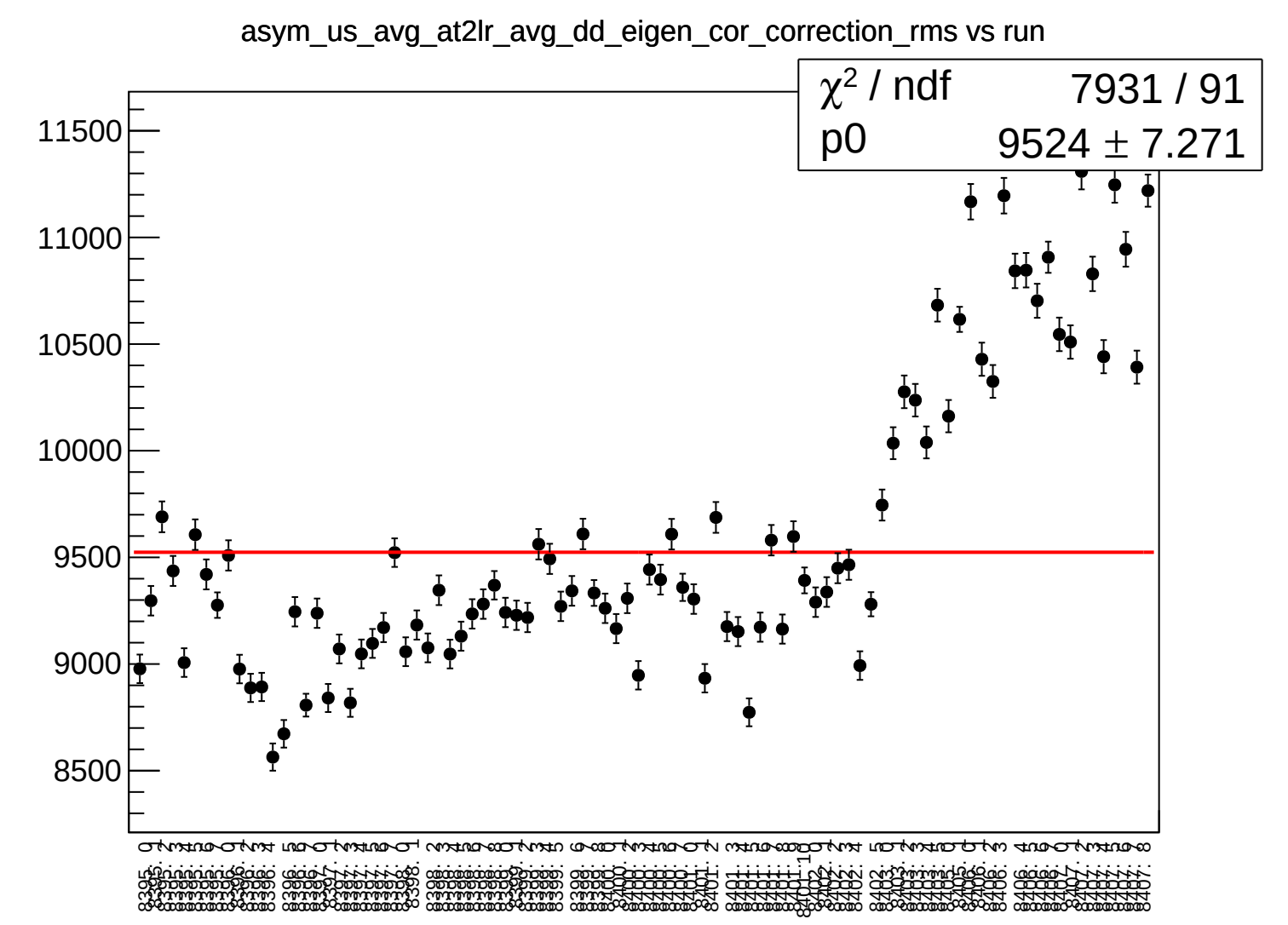

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
$\chi^2$ / ndf 7931 / 91
p0 9524 ± 7.271
11500
11000
10500
10000
9500
9000
8500

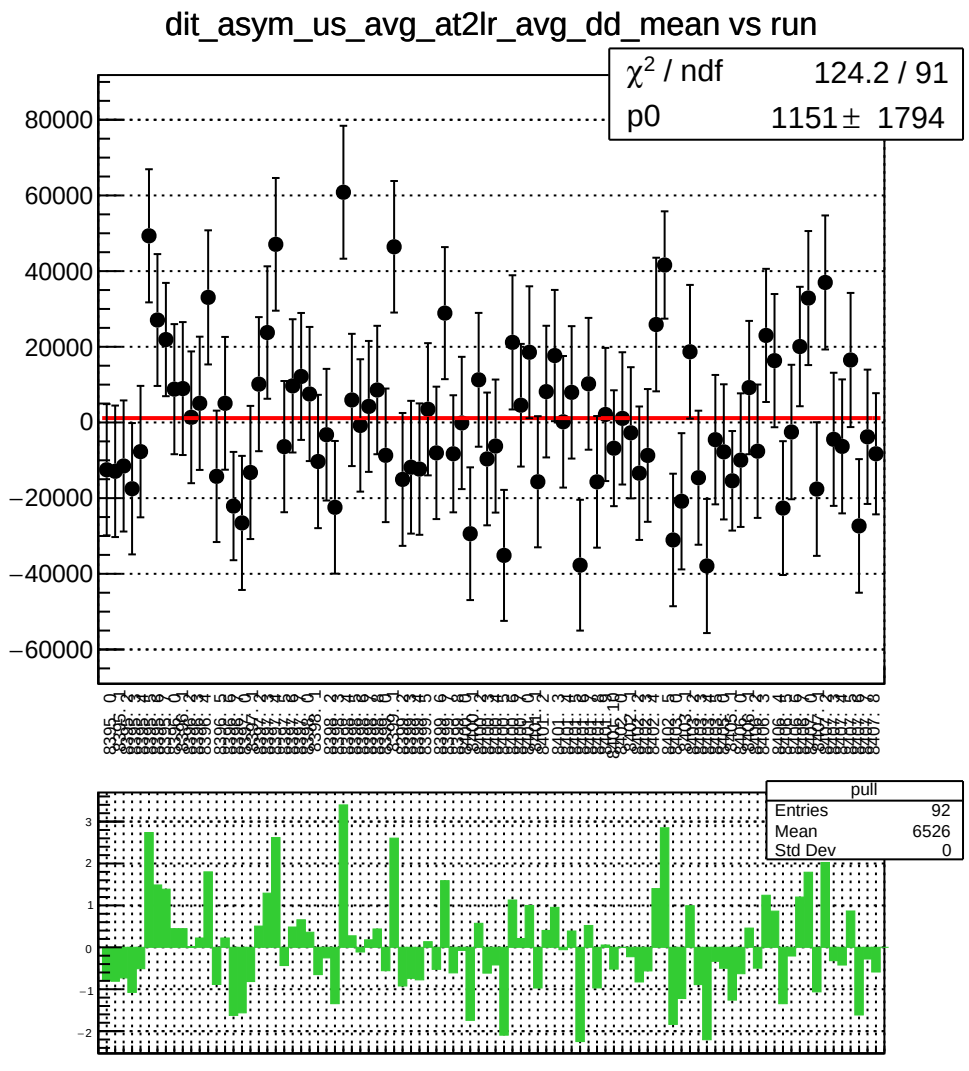

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 121.3 / 91
p0 735.4 ± 1780
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 1865
Std Dev 0
3
2
1
0
−1
−2

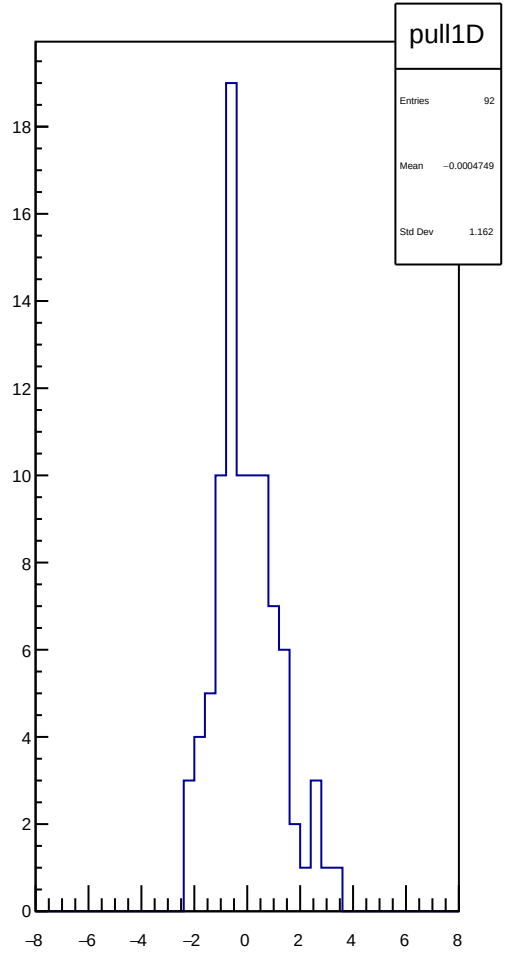

pull1D
Entries 92
Mean −0.001495
Std Dev 1.148
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

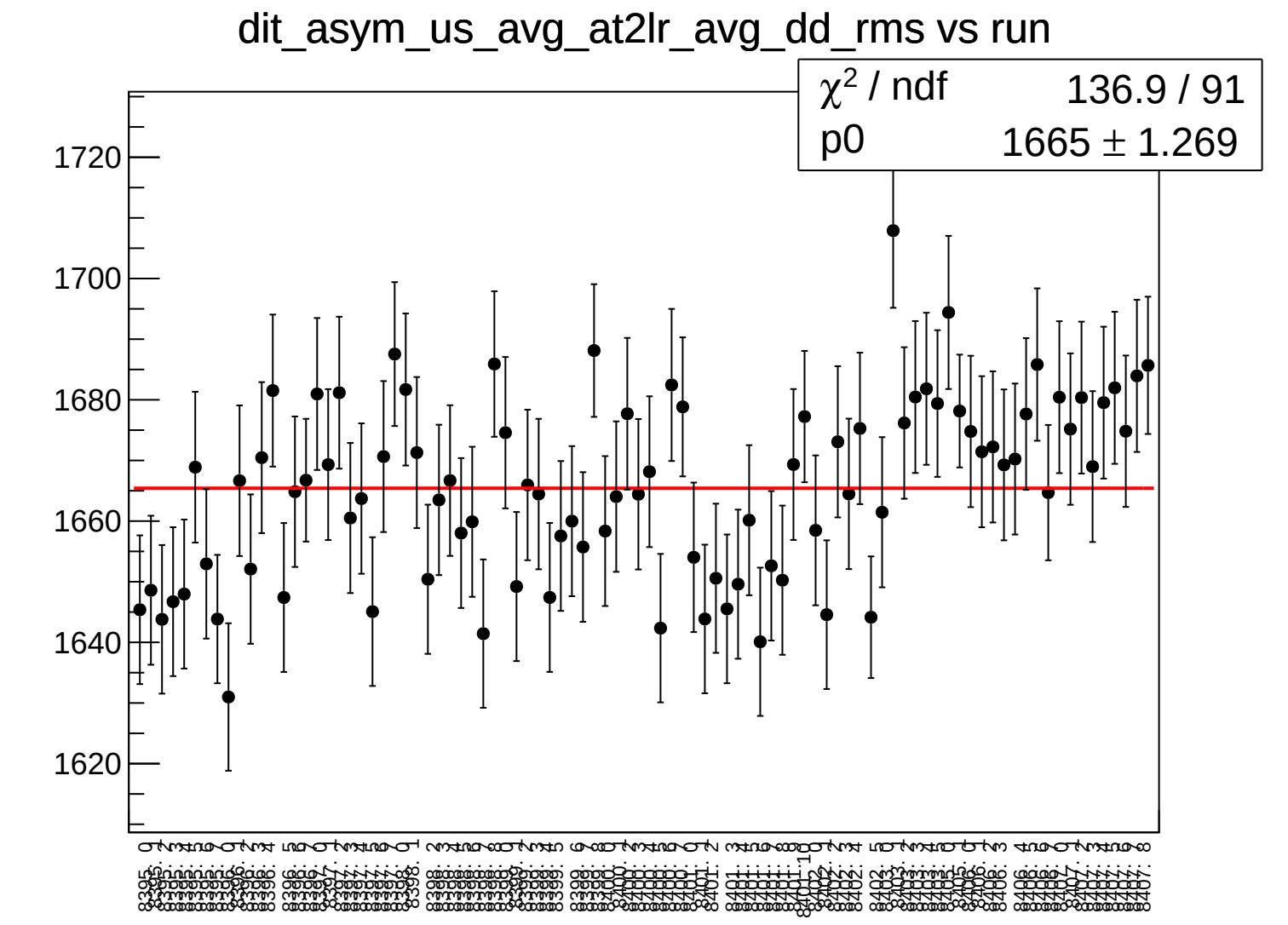

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 213.2 / 91
p0 1652 ± 1.258
1720
1700
1680
1660
1640
1620
1600
1580
1560

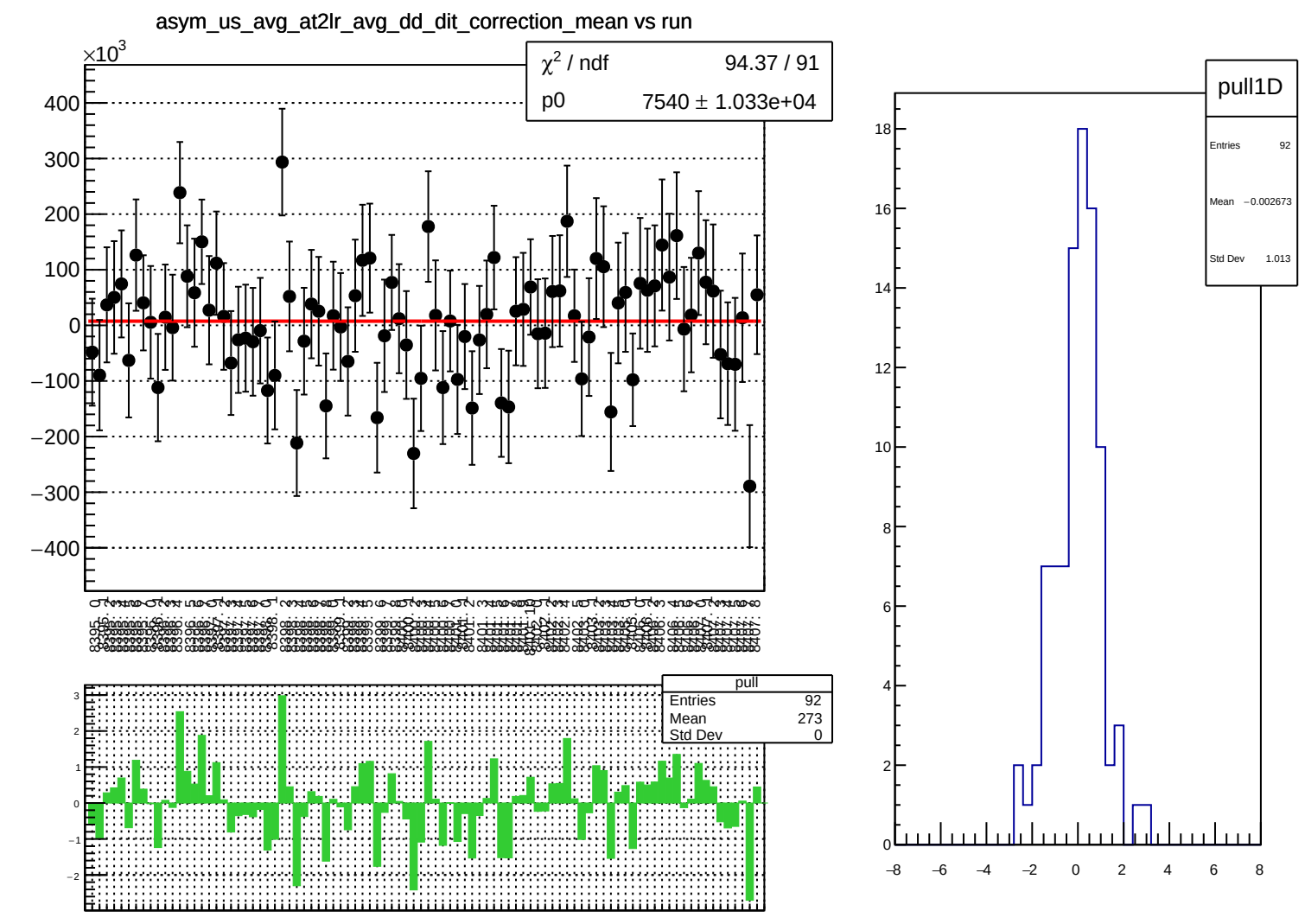

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 93.71 / 91
p0 7218 ± 1.028e+04
pull
Entries 92
Mean 204
Std Dev 0
pull1D
Entries 92
Mean −0.003382
Std Dev 1.009

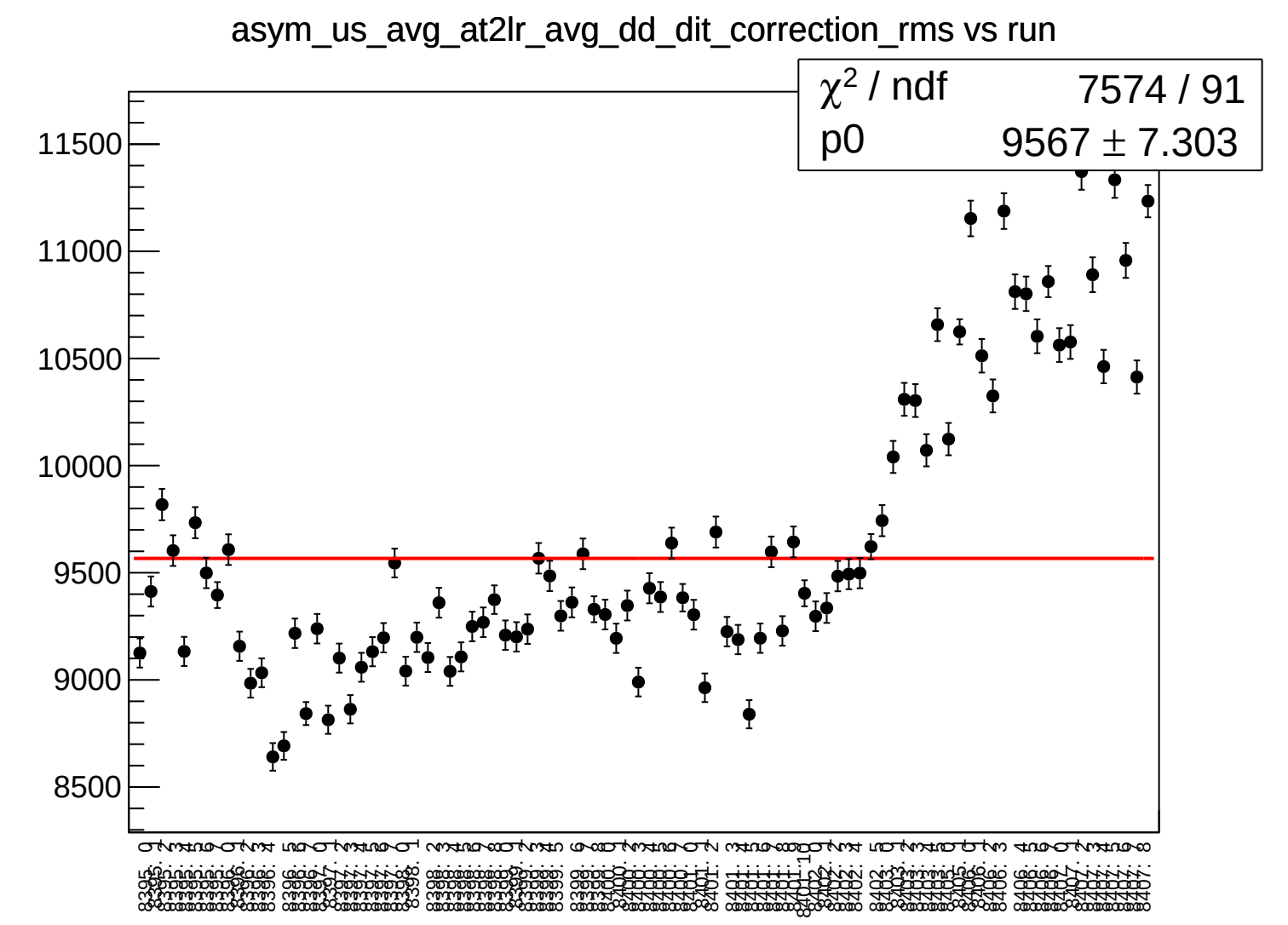

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 7931 / 91
p0 9524 ± 7.271
11500
11000
10500
10000
9500
9000
8500

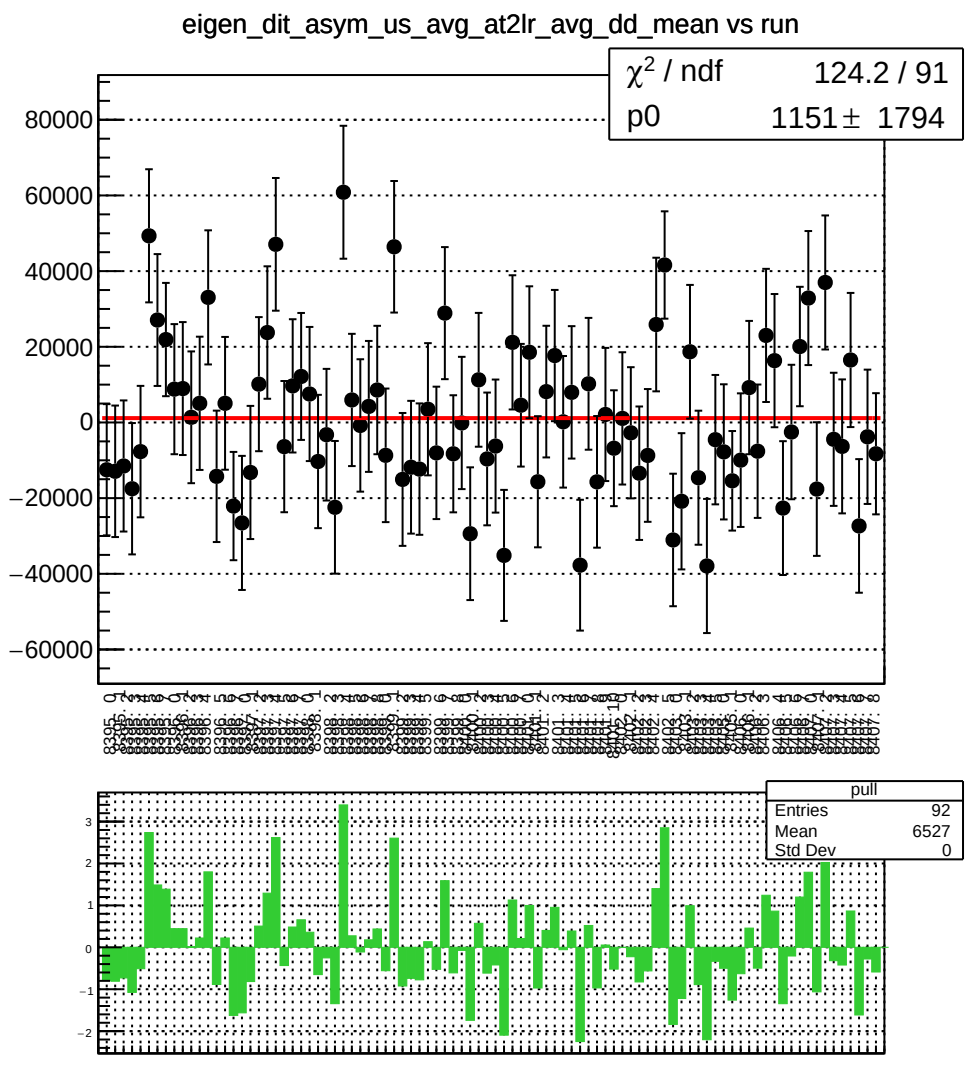

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 124.2 / 91
p0 1151 ± 1794
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 6526
Std Dev 0
3
2
1
0
−1
−2

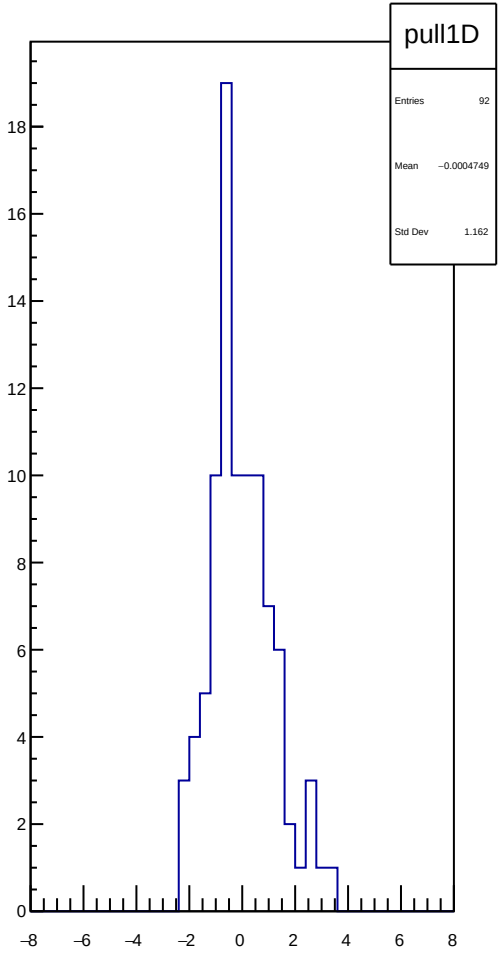

pull1D
Entries 92
Mean −0.0004749
Std Dev 1.162
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

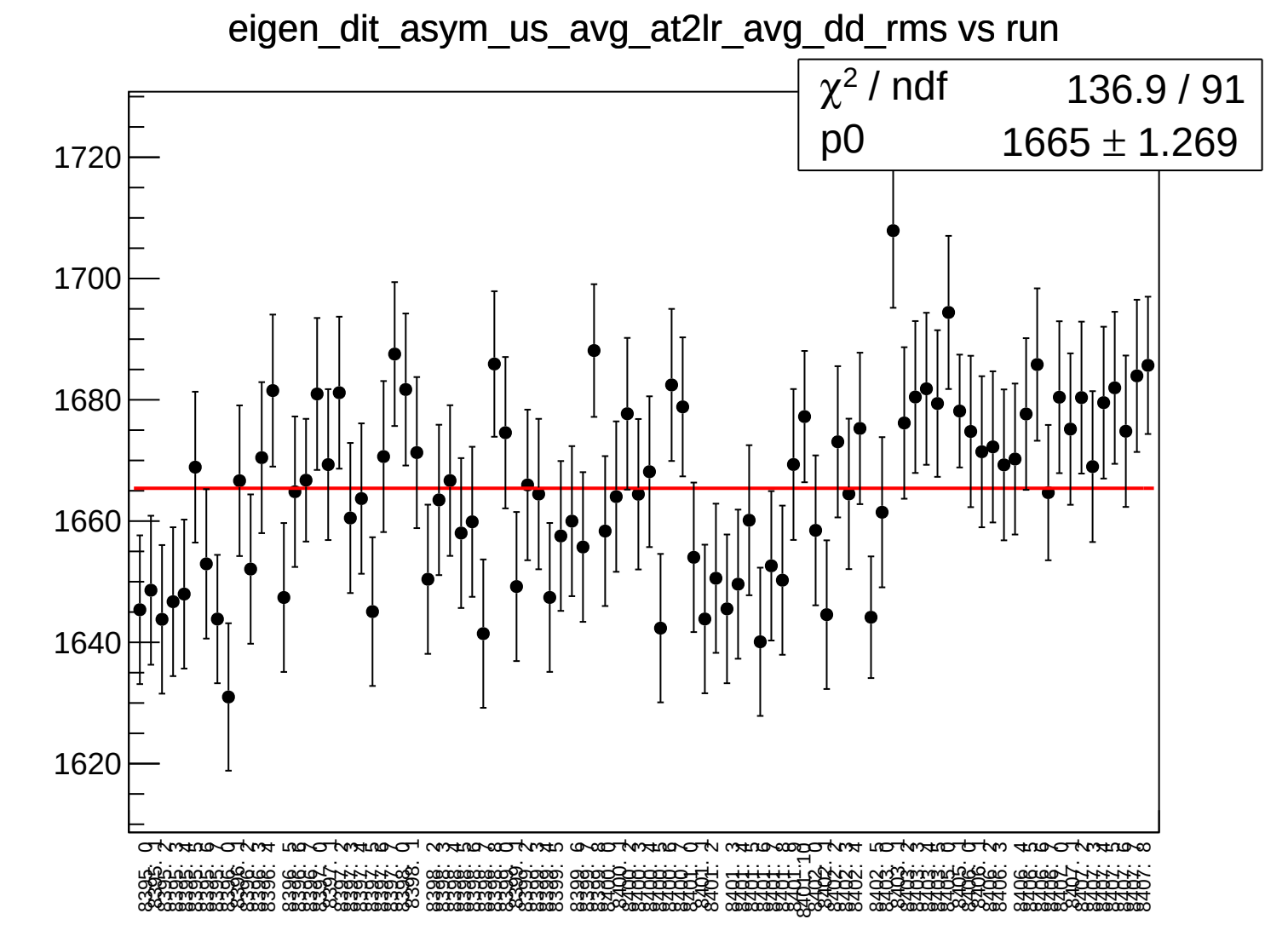

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 136.9 / 91
p0 1665 ± 1.269
1720
1700
1680
1660
1640
1620

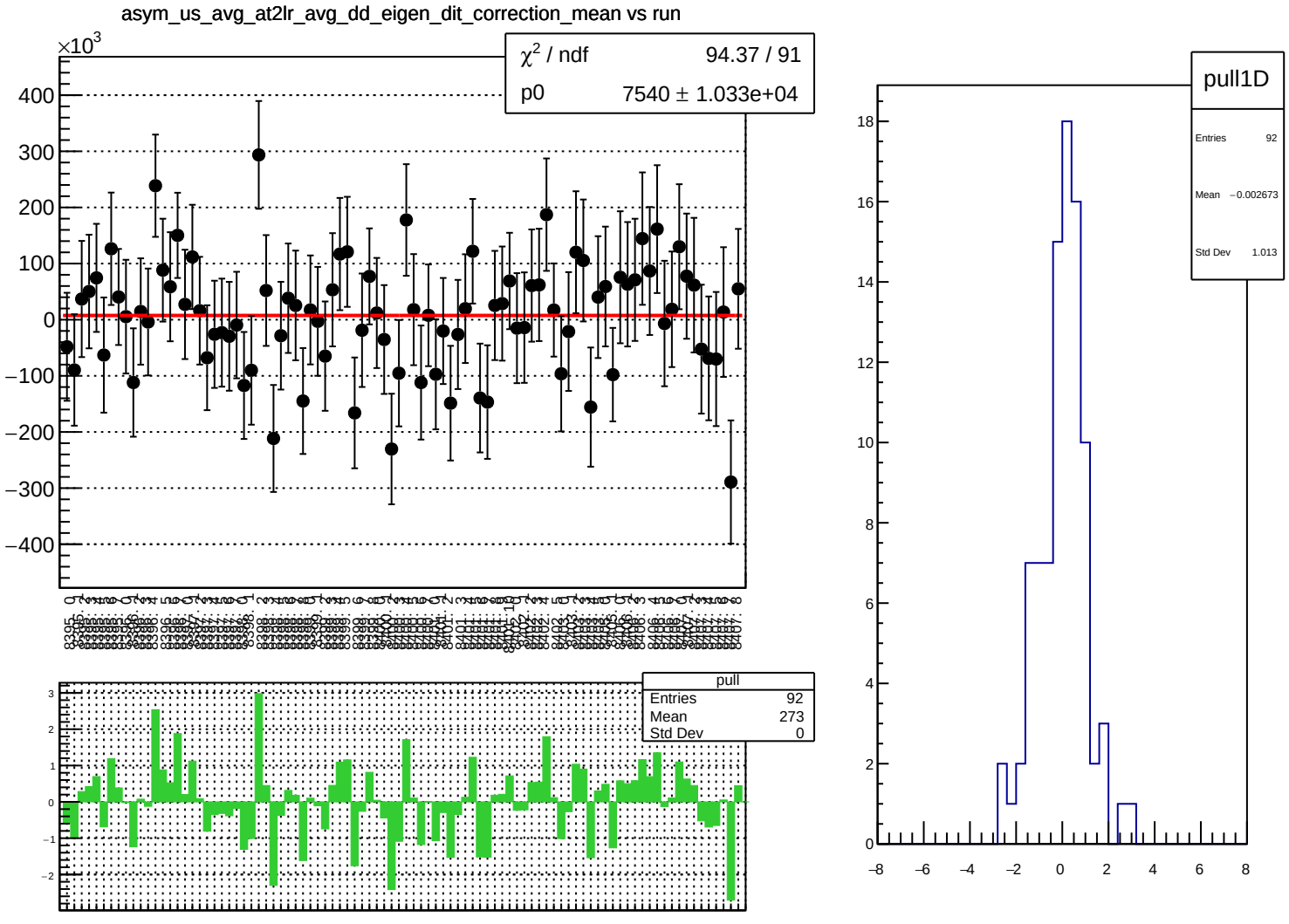

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 94.37 / 91
p0 7540 ± 1.033e+04
pull
Entries 92
Mean 273
Std Dev 0
pull1D
Entries 92
Mean −0.002673
Std Dev 1.013

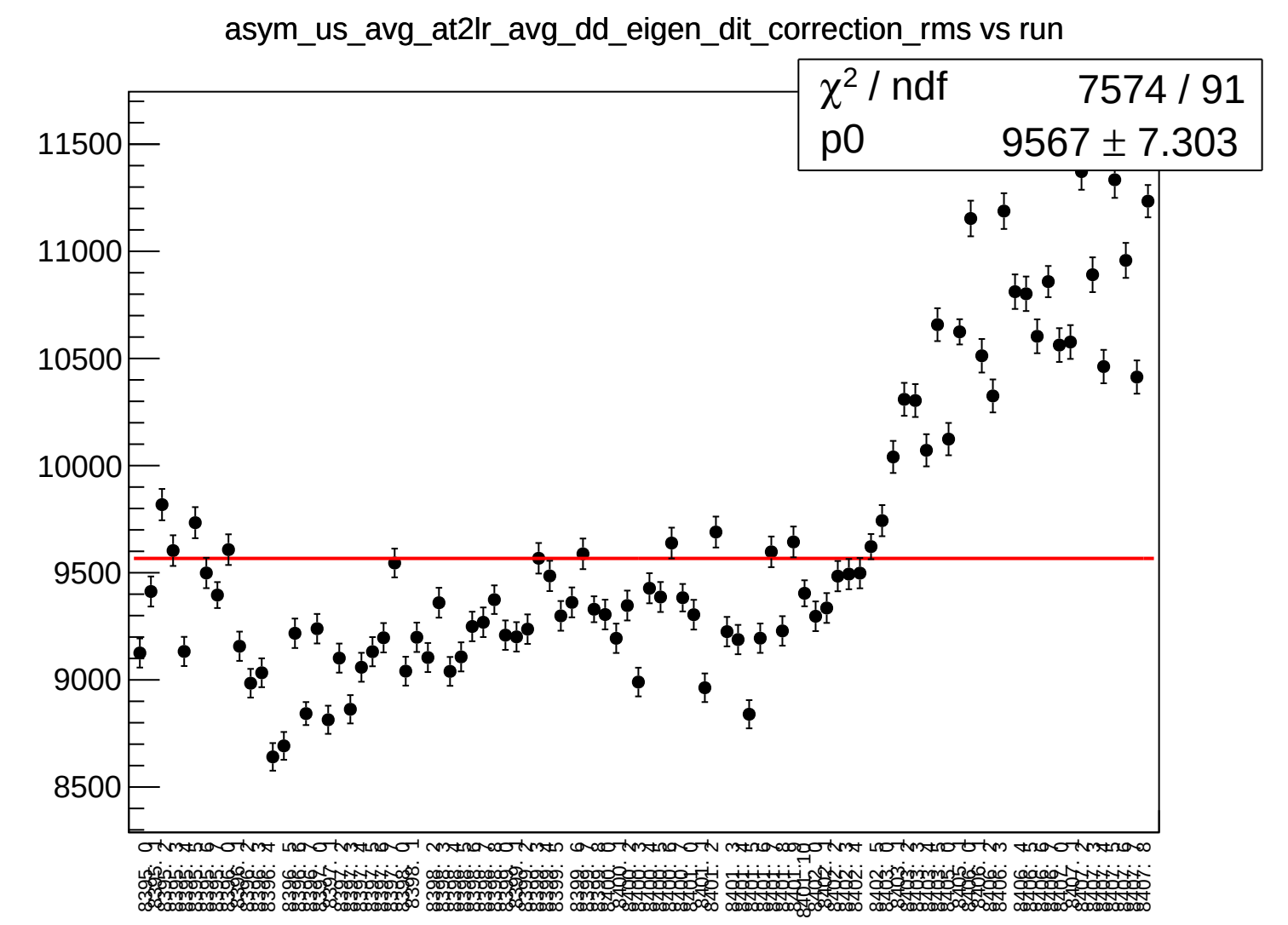

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 7574 / 91
p0 9567 ± 7.303
11500
11000
10500
10000
9500
9000
8500

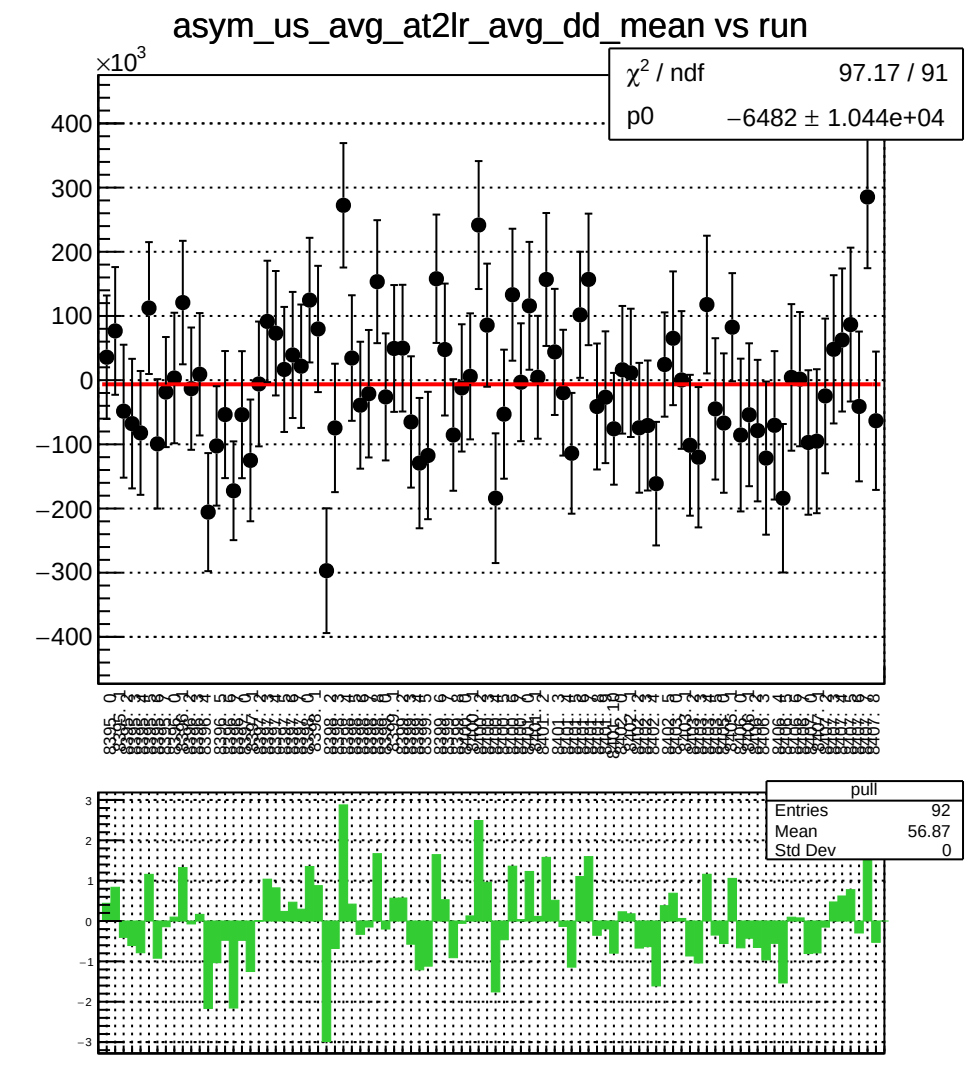

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 124.2 / 91
p0 1151 ± 1794
pull
Entries 92
Mean 6527
Std Dev 0

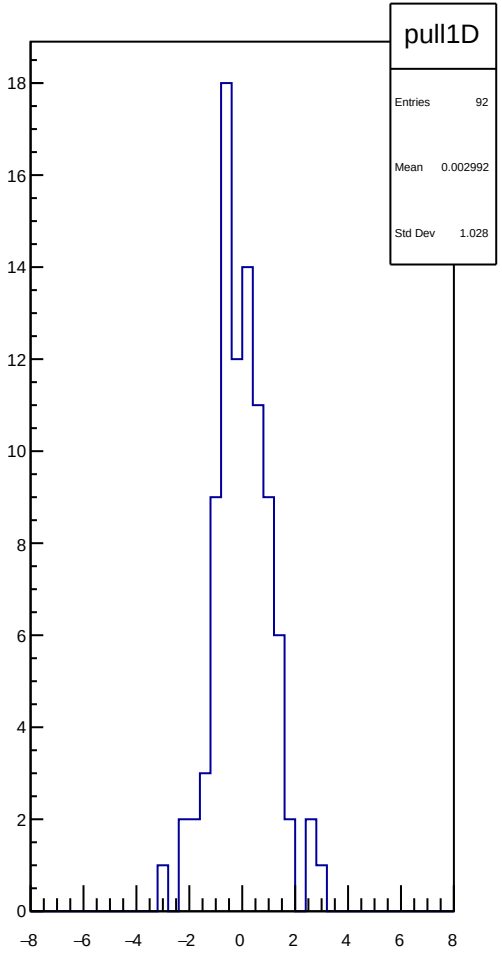

pull1D
Entries 92
Mean −0.0004749
Std Dev 1.162

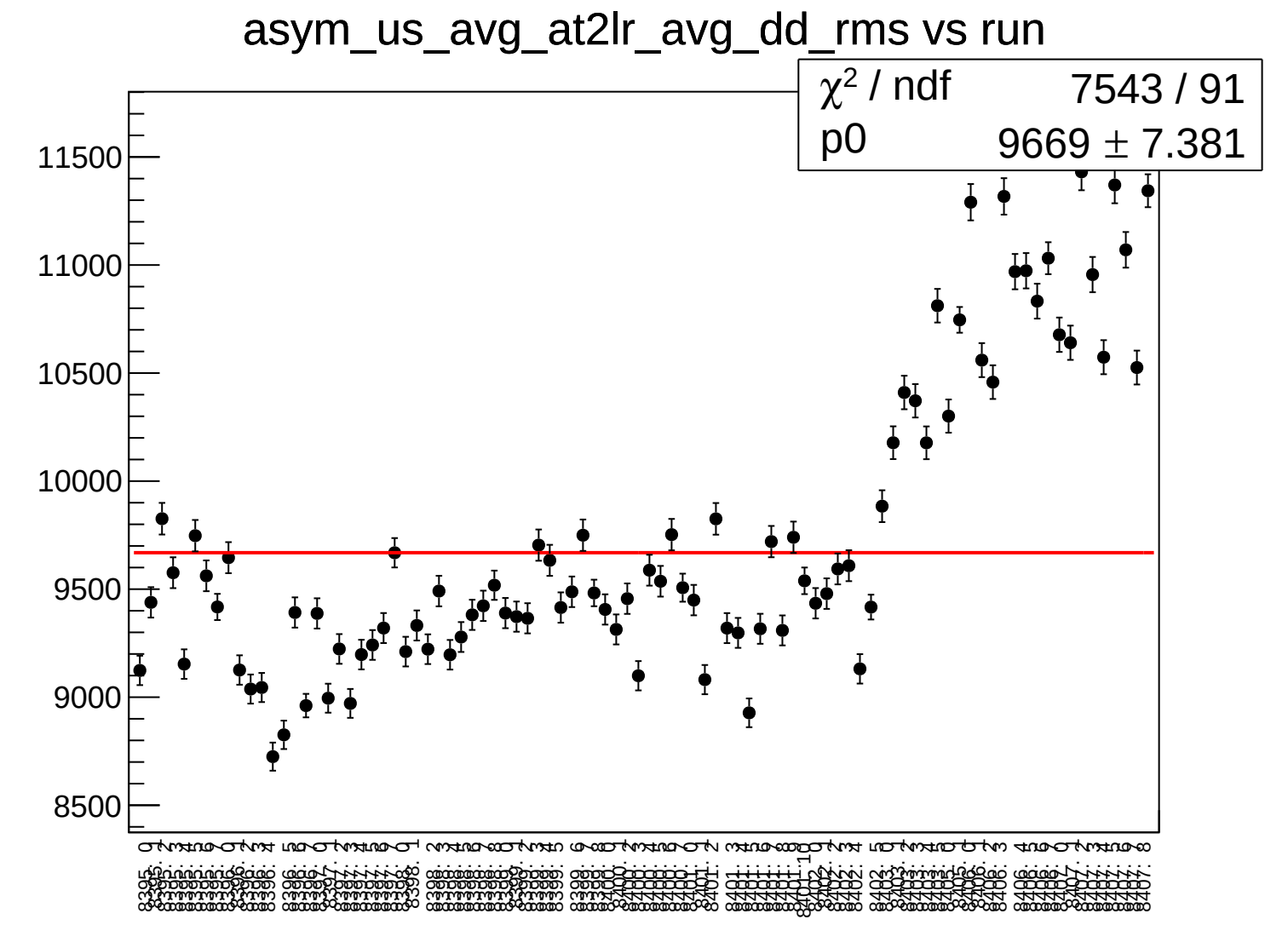

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
$\chi^2$ / ndf 136.9 / 91
p0 1665 ± 1.269
1720
1700
1680
1660
1640
1620

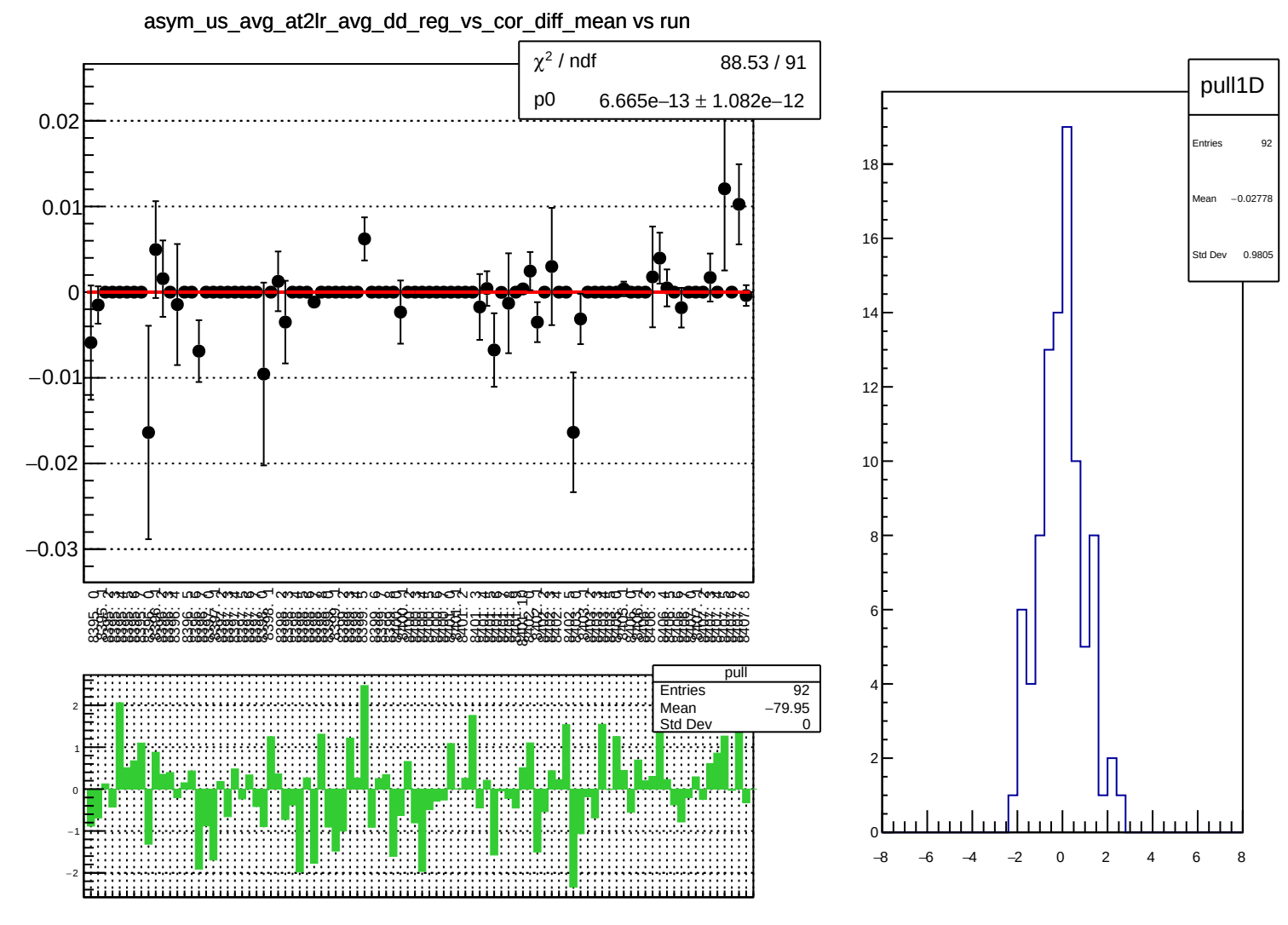

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 94.37 / 91
p0 7540 ± 1.033e+04
pull
Entries 92
Mean 273
Std Dev 0
pull1D
Entries 92
Mean −0.002673
Std Dev 1.013

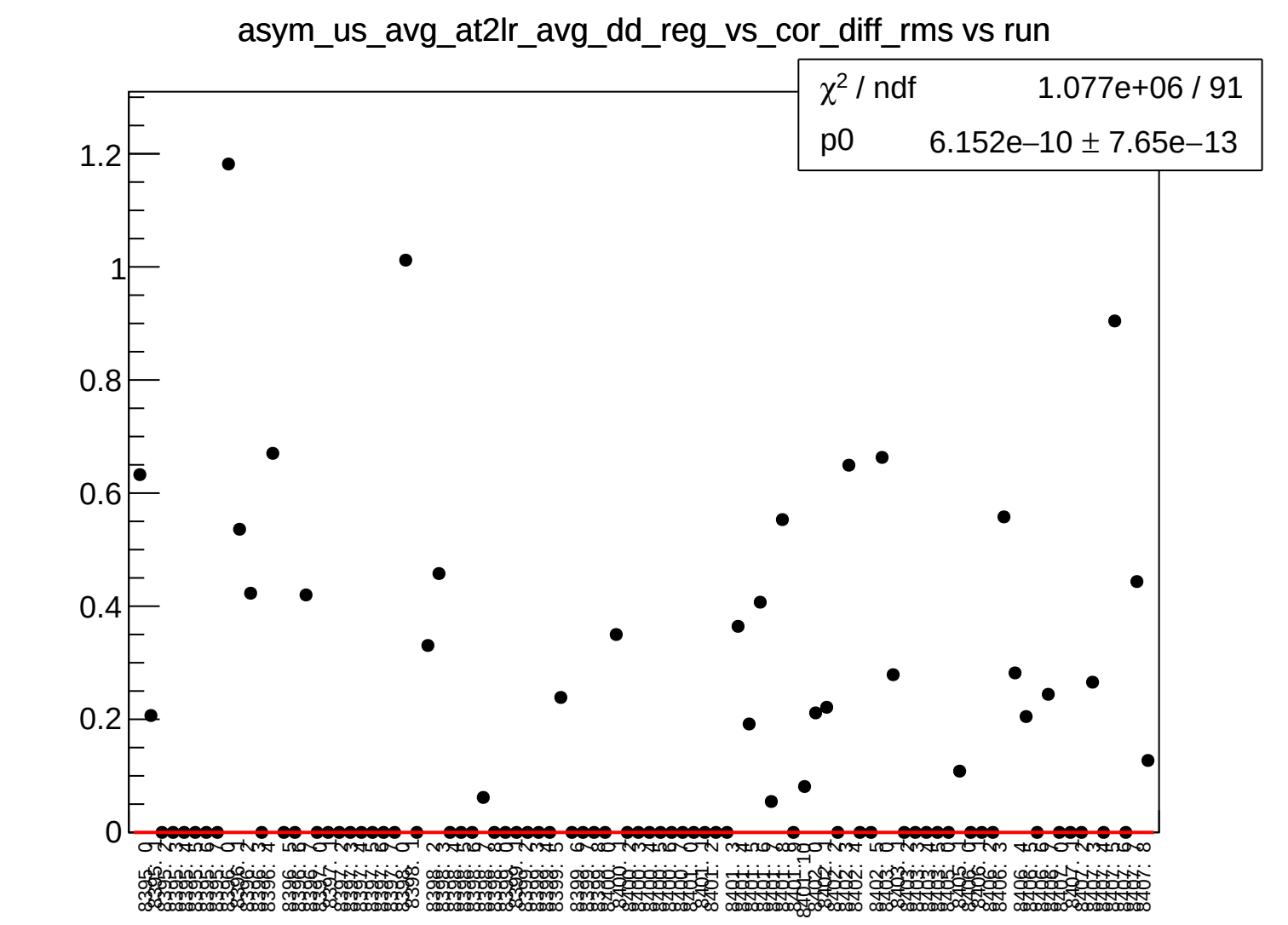

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 7574 / 91
p0 9567 ± 7.303
11500
11000
10500
10000
9500
9000
8500

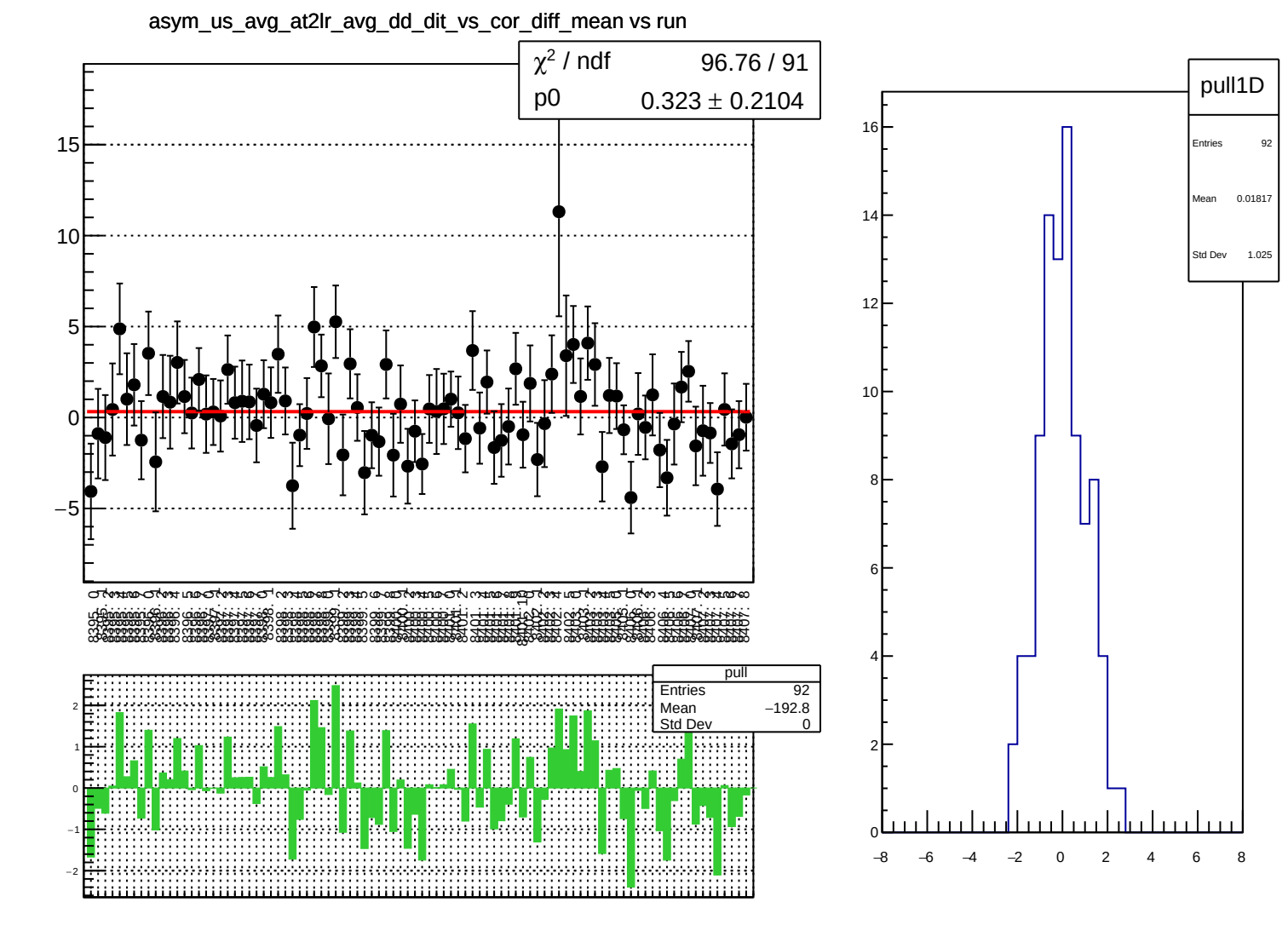

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 97.17 / 91
p0 −6482 ± 1.044e+04
pull
Entries 92
Mean 56.87
Std Dev 0

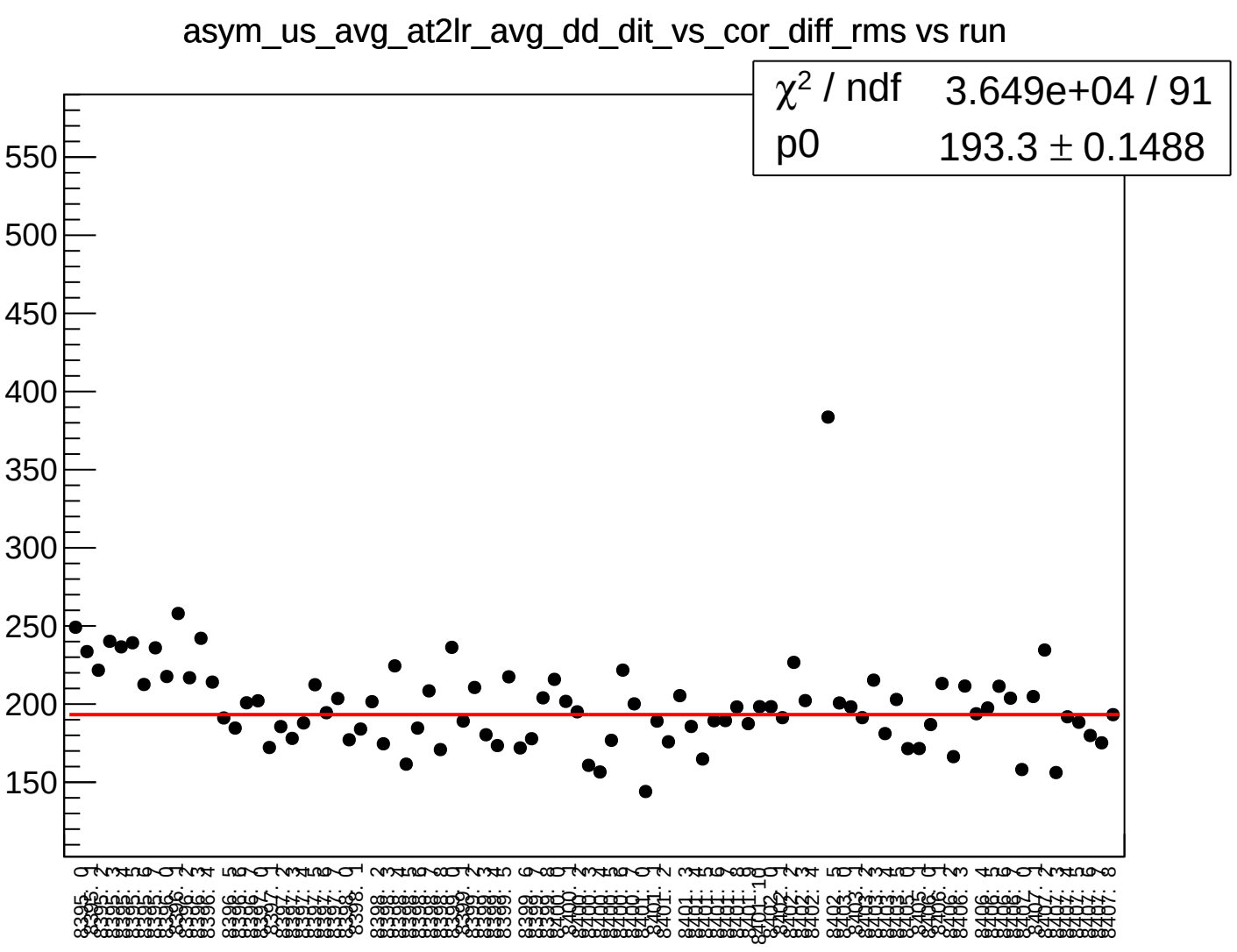

pull1D
Entries 92
Mean 0.002992
Std Dev 1.028

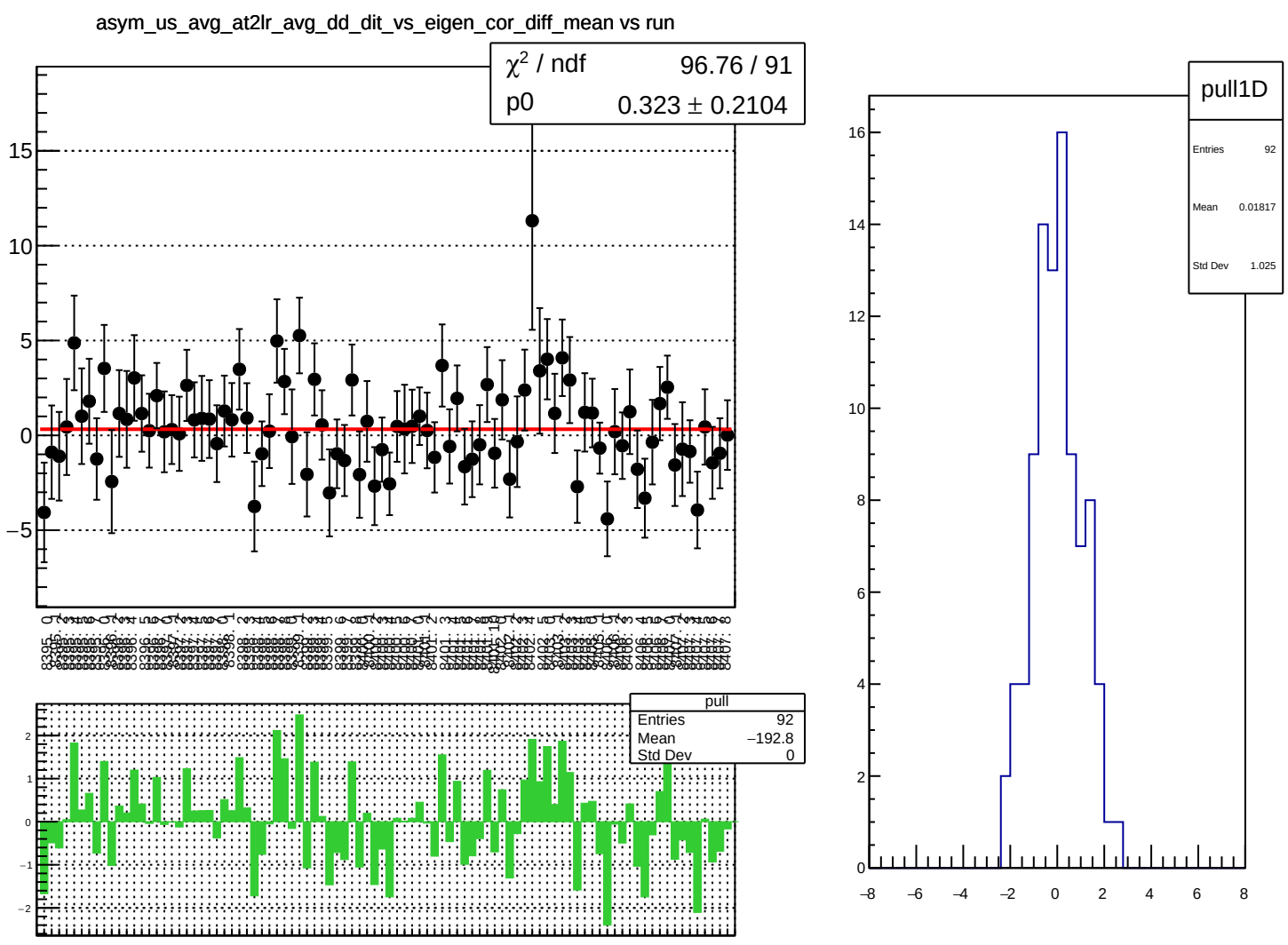

asym_us_avg_at2lr_avg_dd_rms vs run
$\chi^2$ / ndf 7543 / 91
p0 9669 ± 7.381
11500
11000
10500
10000
9500
9000
8500

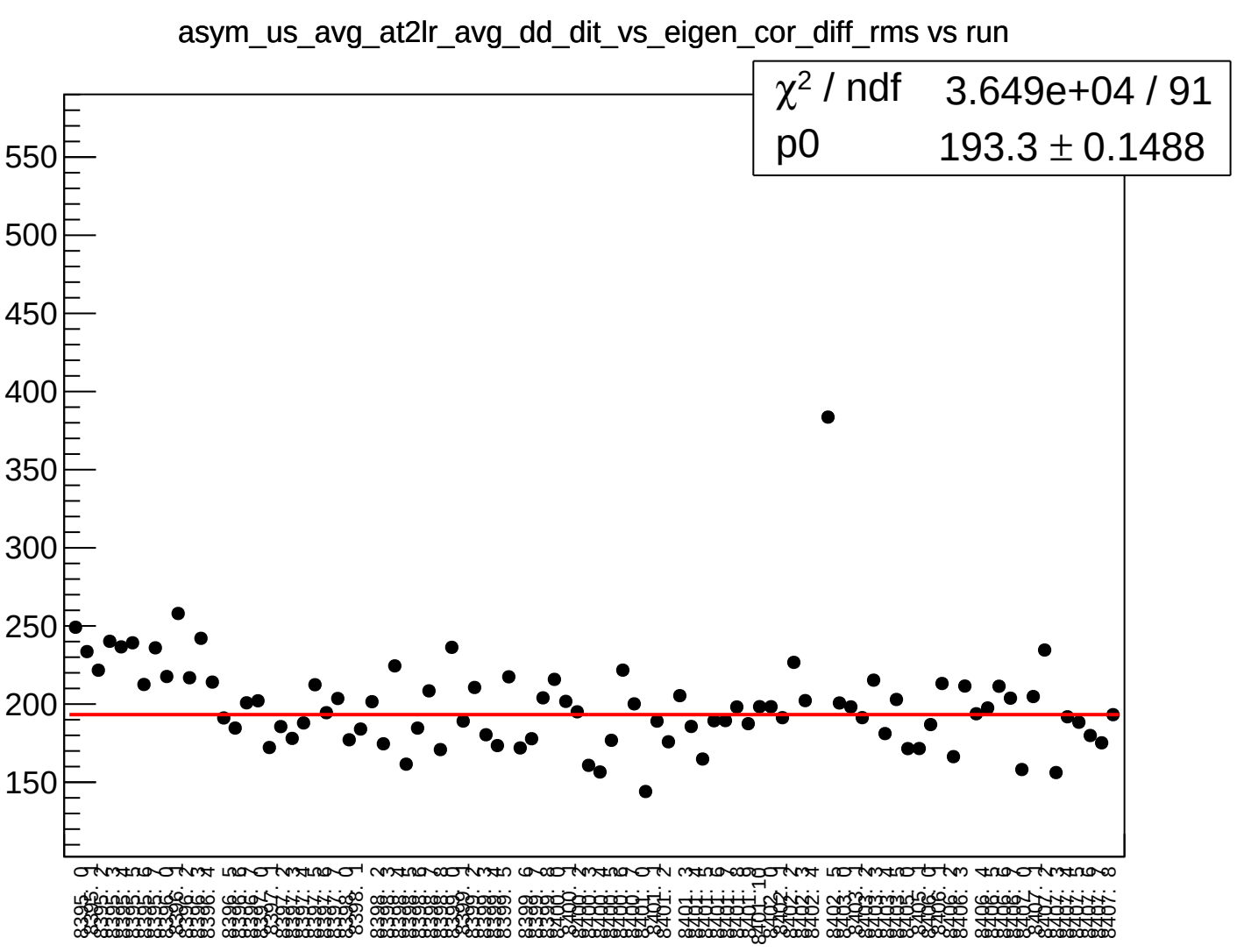

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 88.53 / 91
p0 6.665e−13 ± 1.082e−12
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean −79.95
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.02778
Std Dev 0.9805
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

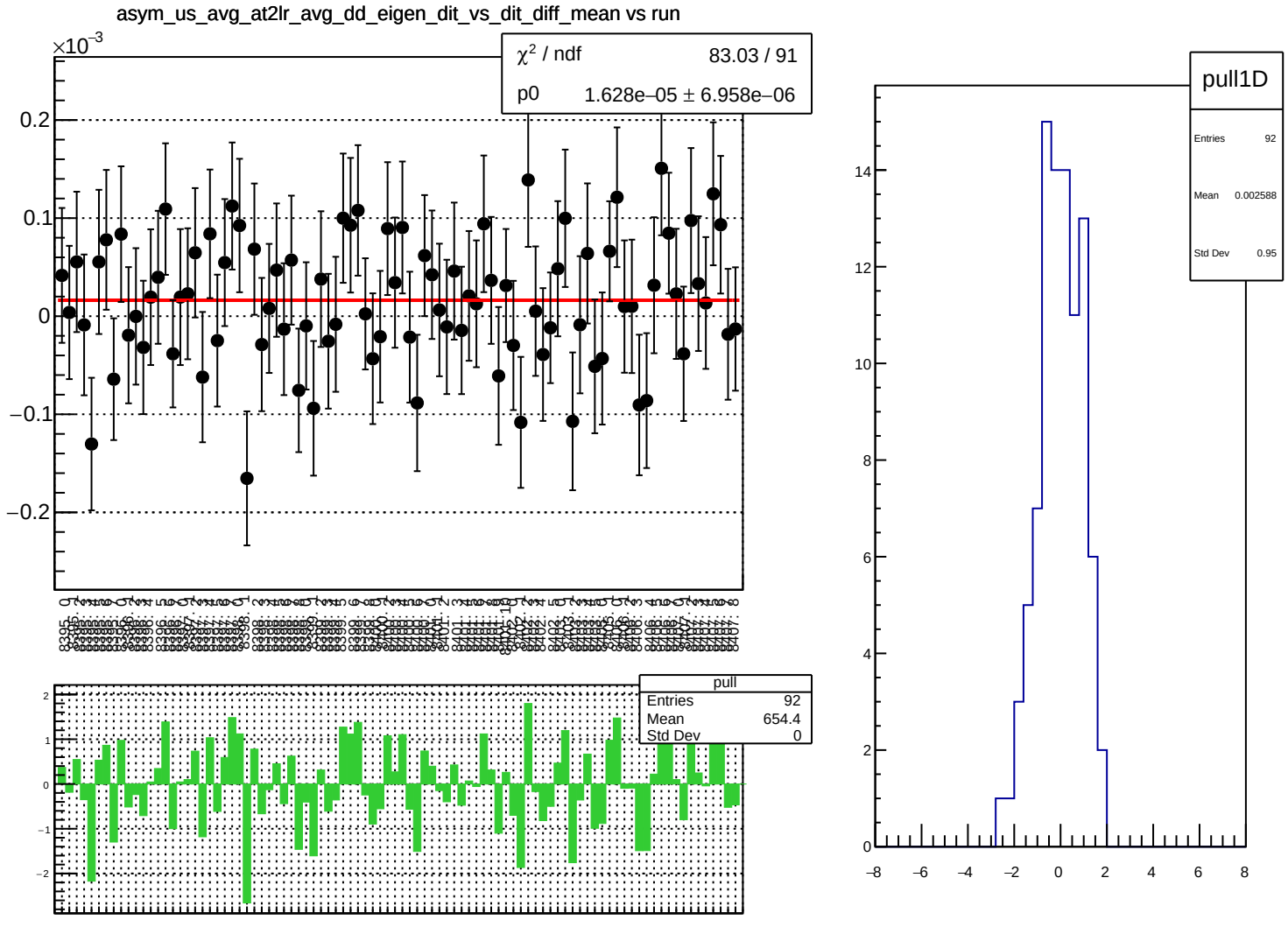

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.077e+06 / 91
p0 6.152e−10 ± 7.65e−13
1.2
1
0.8
0.6
0.4
0.2
0

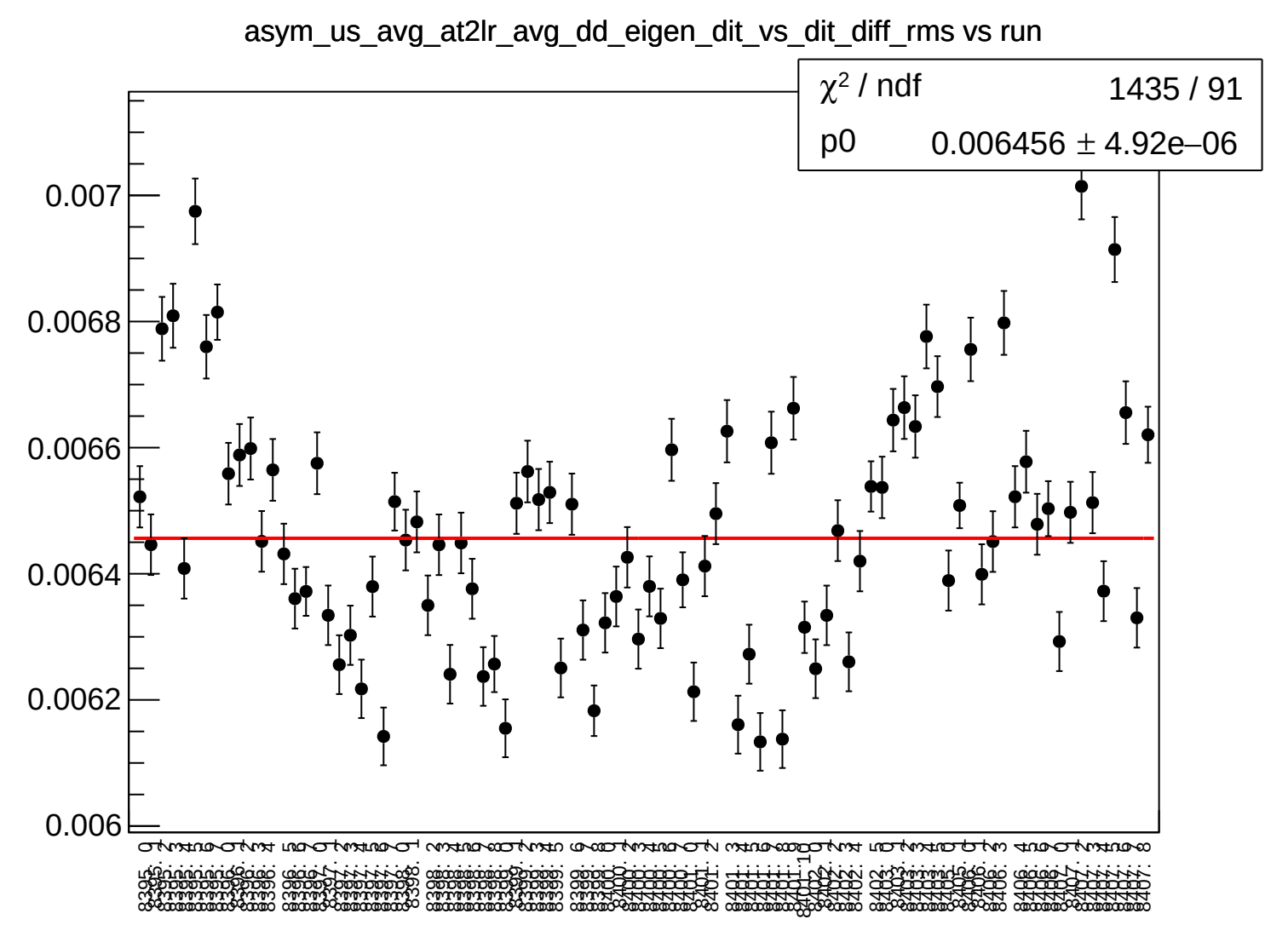

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 96.76 / 91
p0 0.323 ± 0.2104
pull
Entries 92
Mean −192.8
Std Dev 0
pull1D
Entries 92
Mean 0.01817
Std Dev 1.025

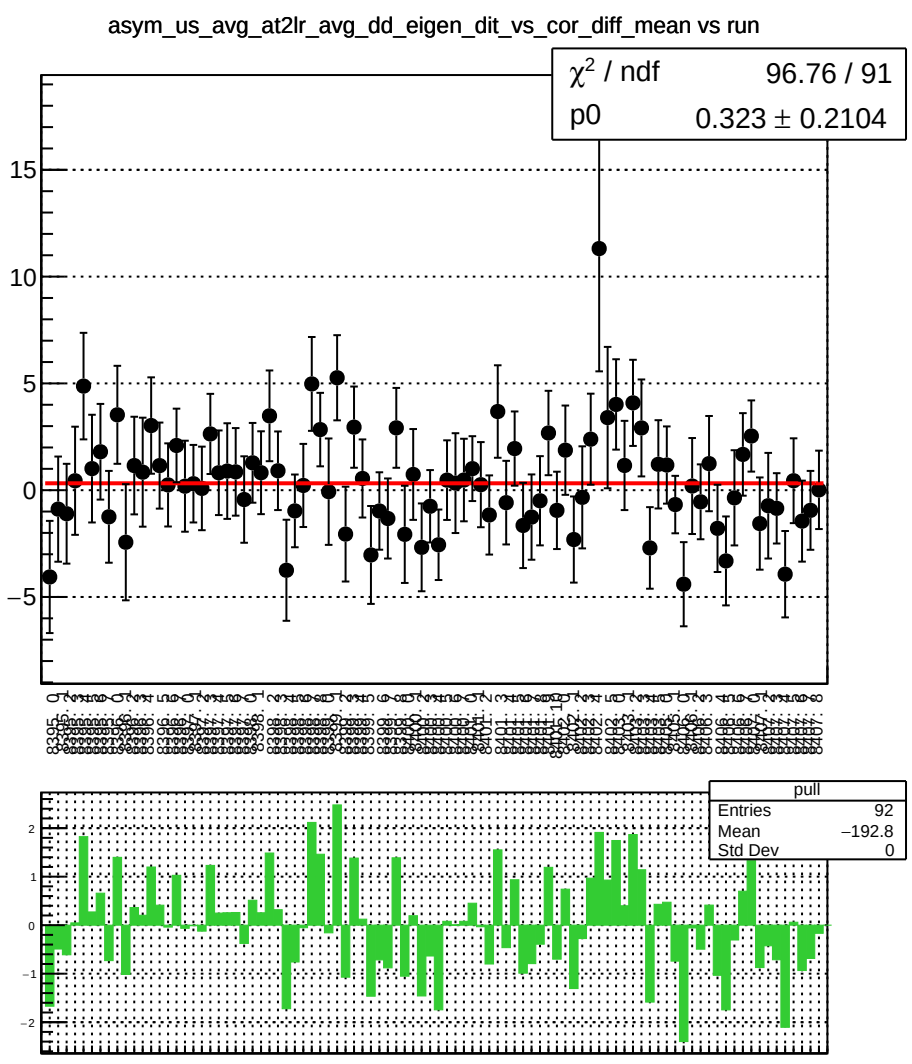

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.649e+04 / 91
p0 193.3 ± 0.1488
550
500
450
400
350
300
250
200
150

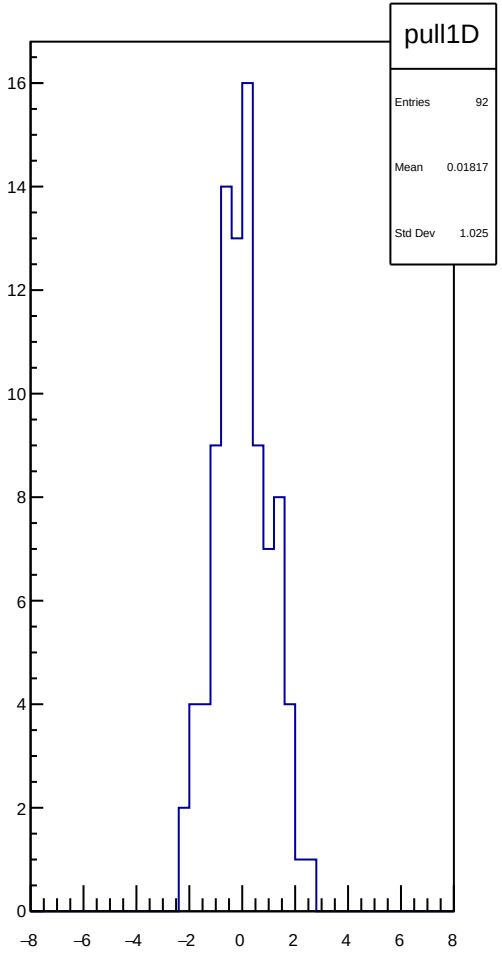

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.76 / 91
p0 0.323 ± 0.2104
pull
Entries 92
Mean −192.8
Std Dev 0
pull1D
Entries 92
Mean 0.01817
Std Dev 1.025

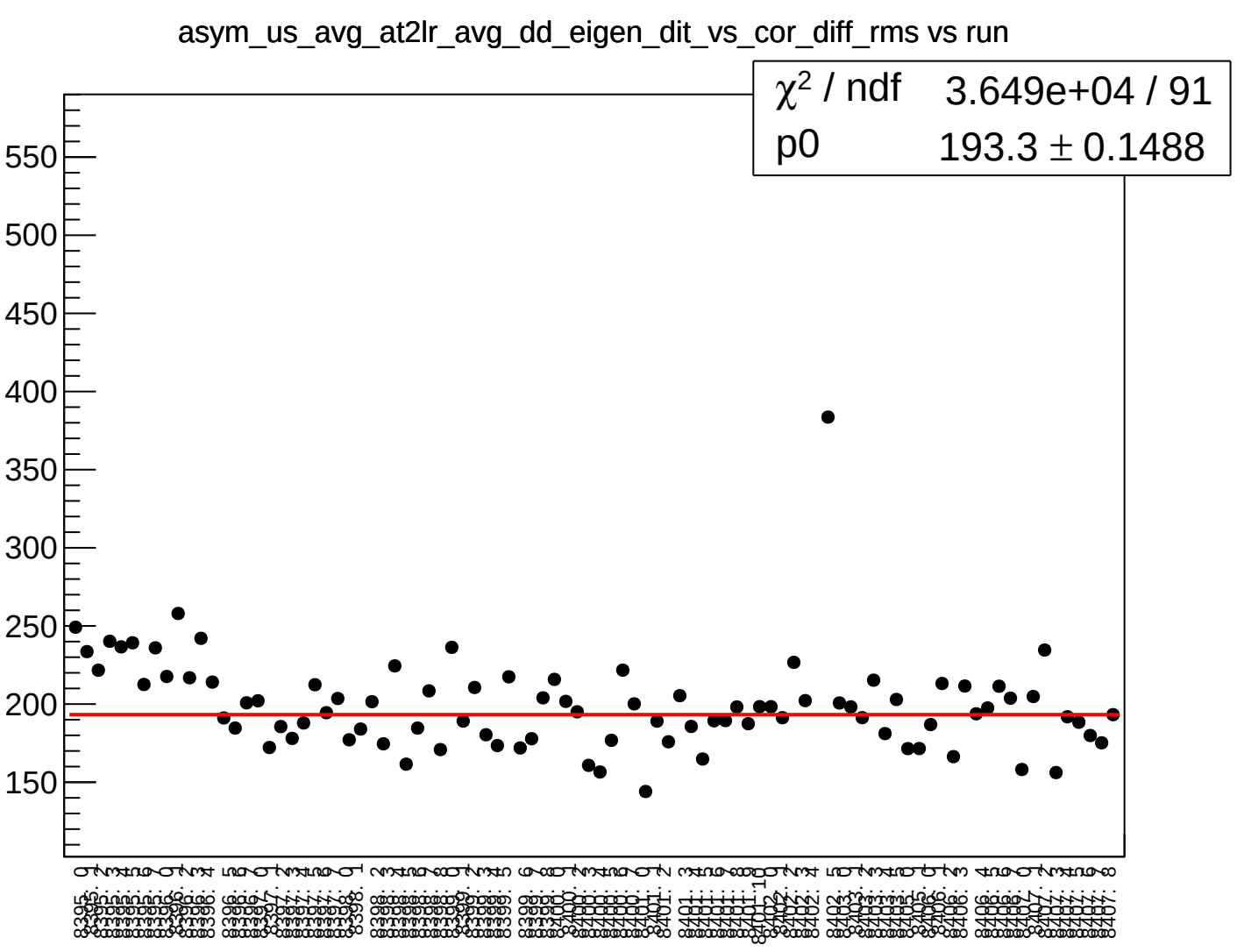

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.649e+04 / 91
p0 193.3 ± 0.1488
550
500
450
400
350
300
250
200
150

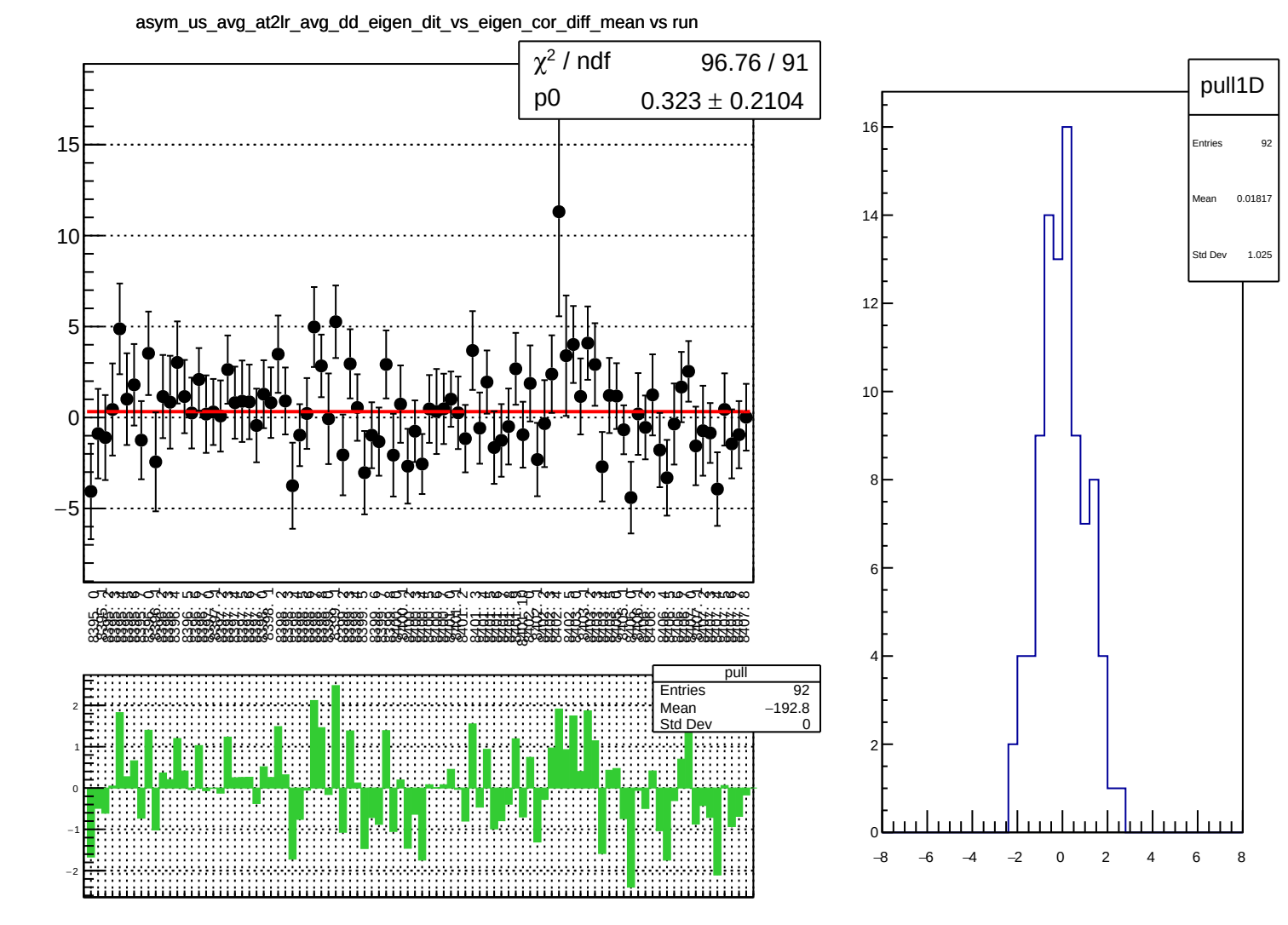

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 83.03 / 91
p0 1.628e−05 ± 6.958e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 92
Mean 654.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.002588
Std Dev 0.95
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

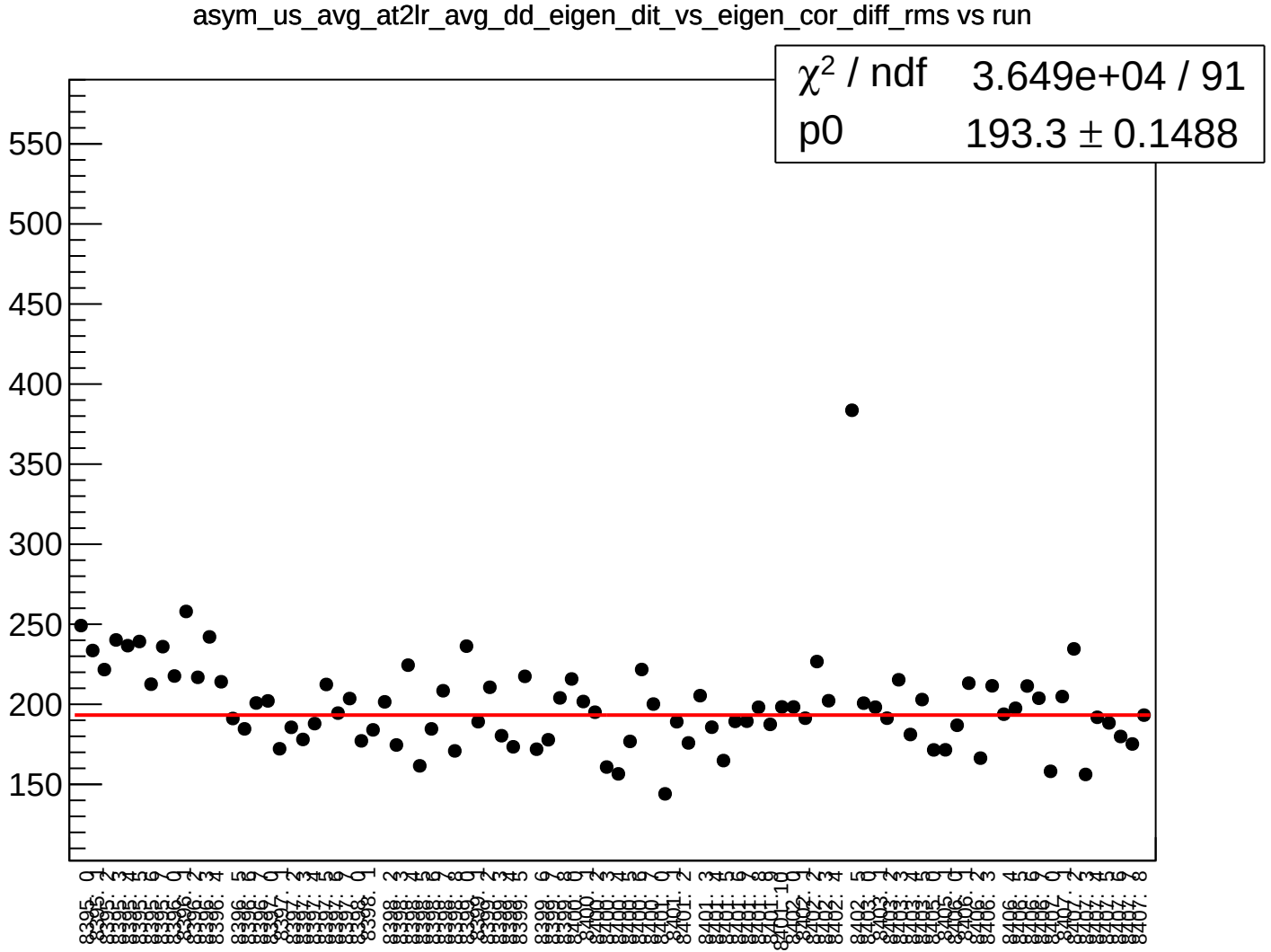

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1435 / 91
p0 0.006456 ± 4.92e−06
0.007
0.0068
0.0066
0.0064
0.0062
0.006

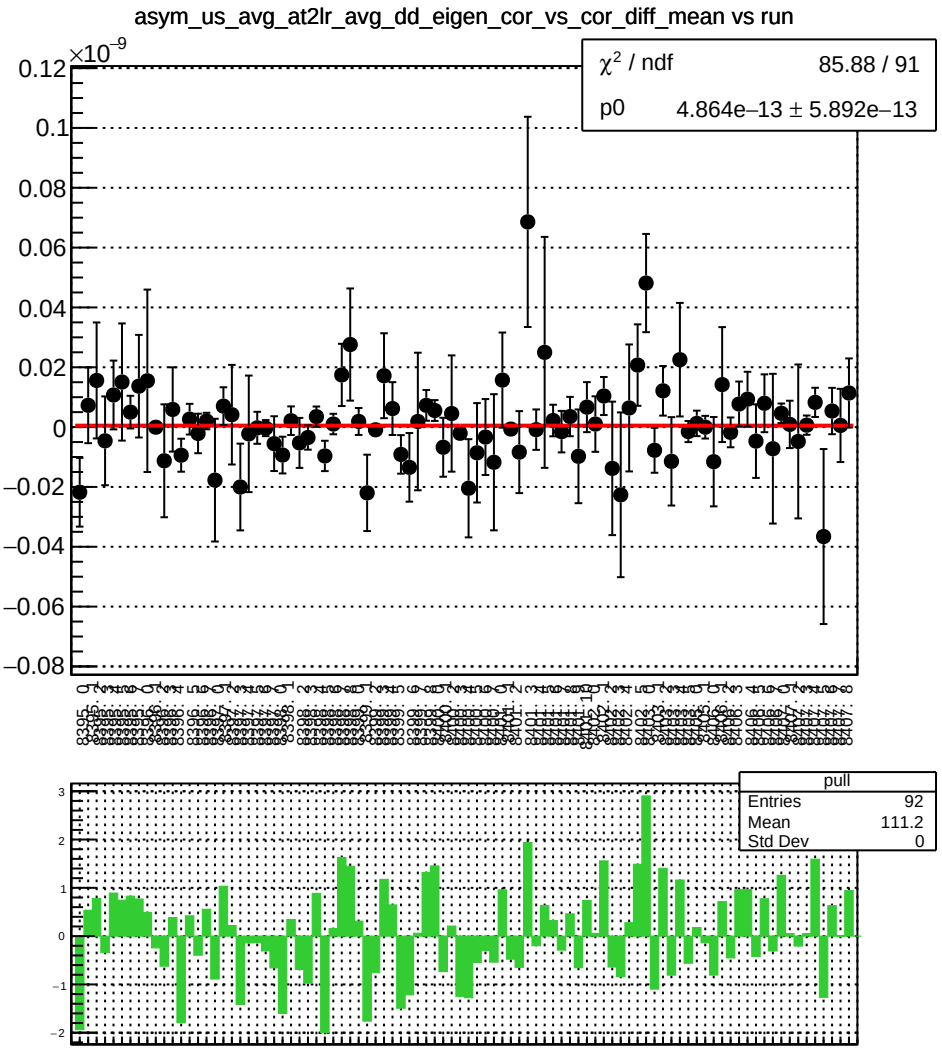

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 96.76 / 91
p0 0.323 ± 0.2104
15
10
5
0
−5
pull
Entries 92
Mean −192.8
Std Dev 0
2
1
0
−1
−2

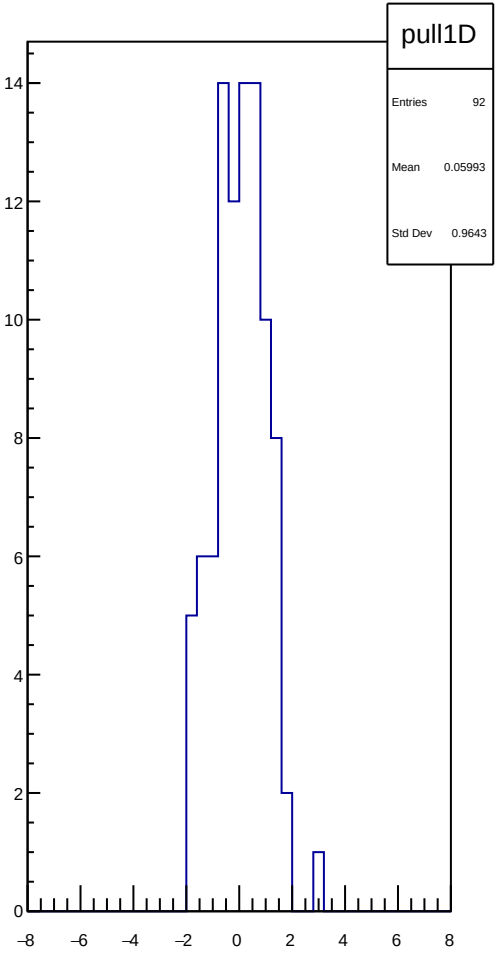

pull1D
Entries 92
Mean 0.01817
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

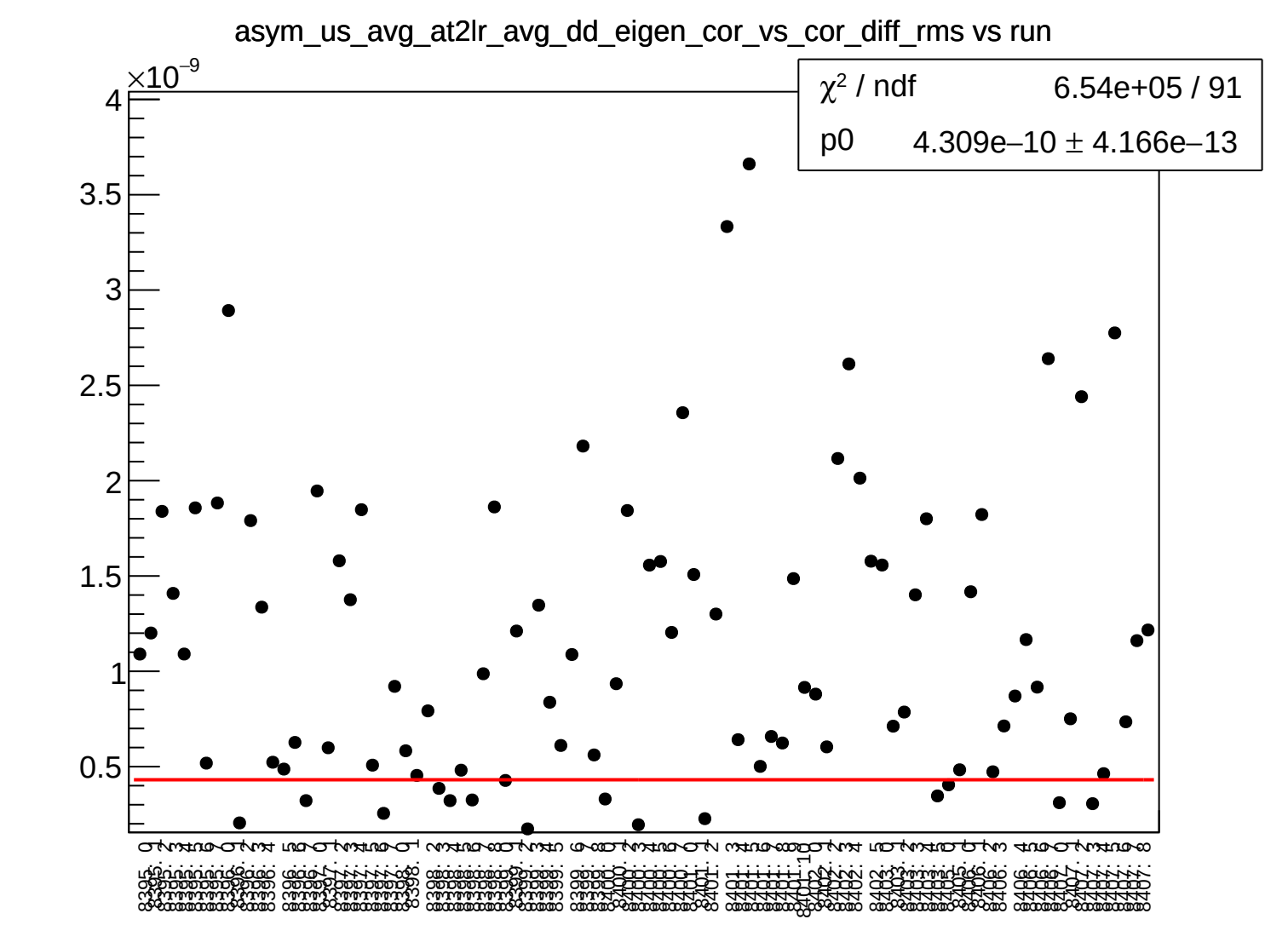

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.649e+04 / 91
p0 193.3 ± 0.1488
550
500
450
400
350
300
250
200
150

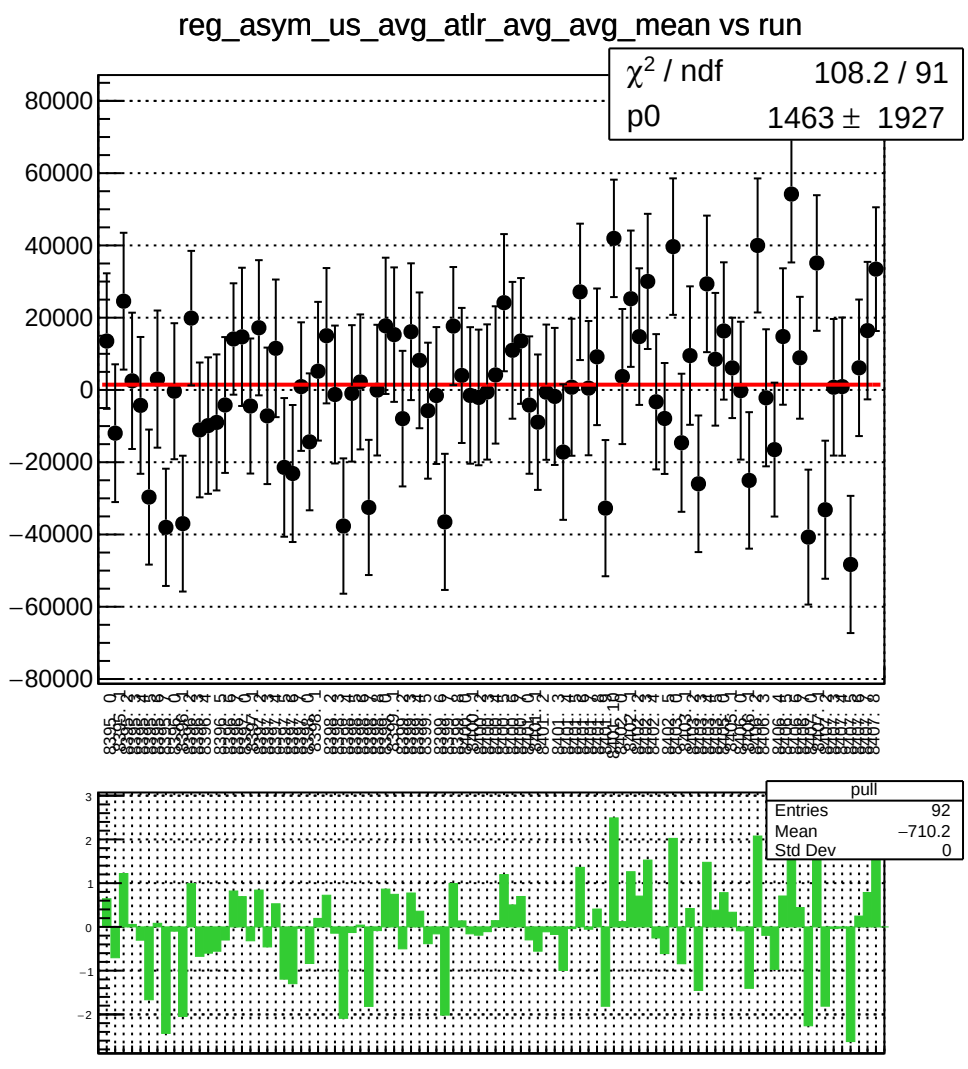

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.76 / 91
p0 0.323 ± 0.2104
pull
Entries 92
Mean −192.8
Std Dev 0
pull1D
Entries 92
Mean 0.01817
Std Dev 1.025

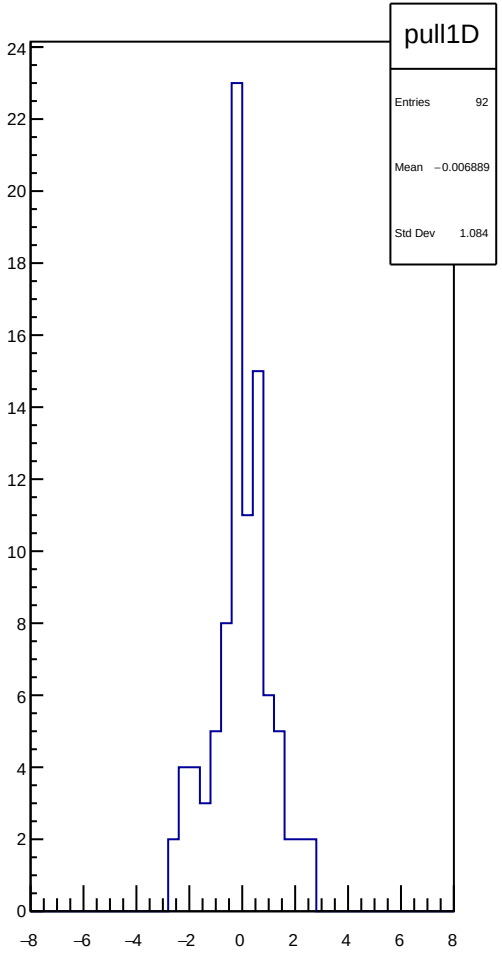

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.649e+04 / 91
p0 193.3 ± 0.1488
550
500
450
400
350
300
250
200
150

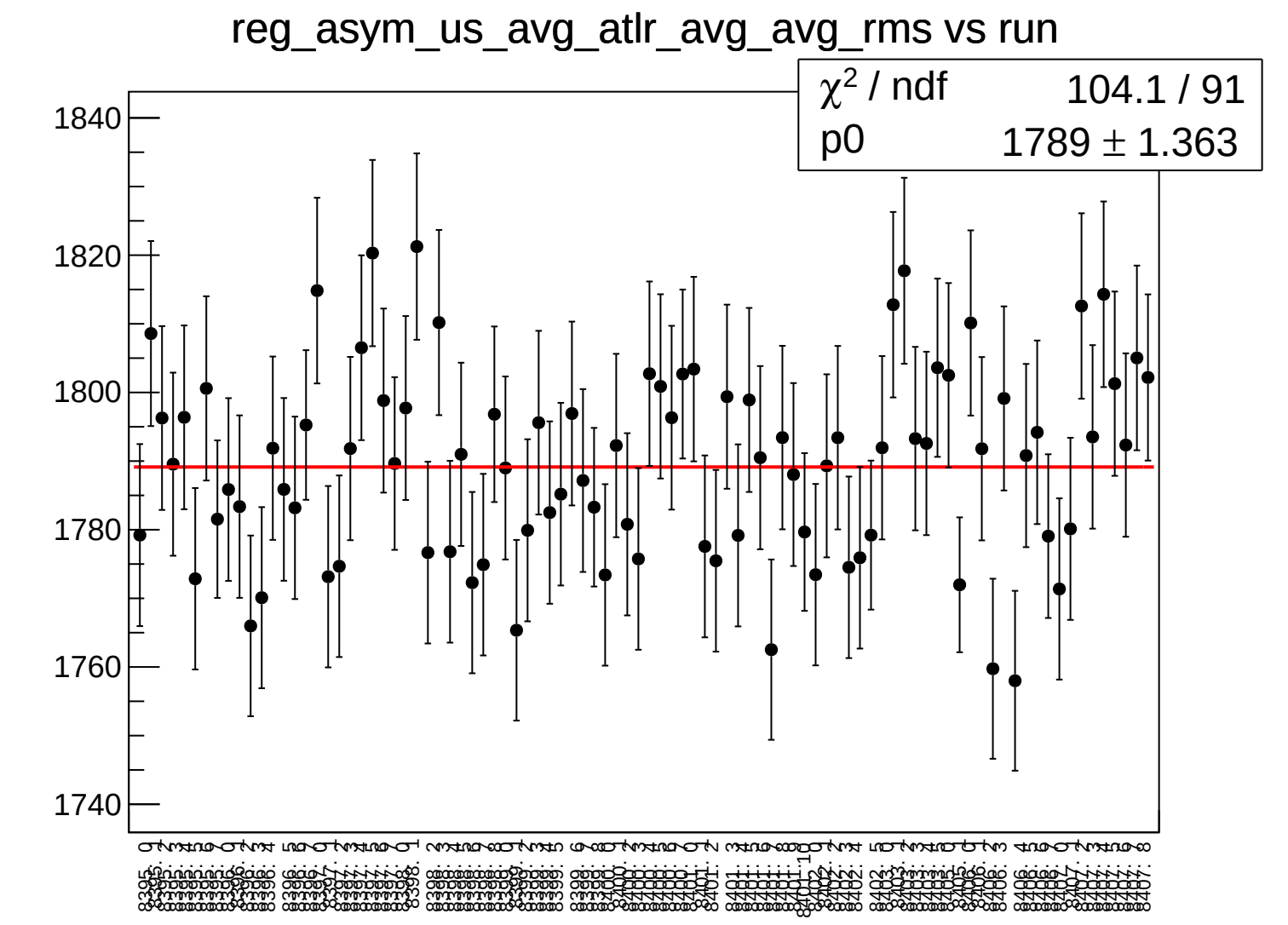

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 85.88 / 91
p0 4.864e−13 ± 5.892e−13
pull
Entries 92
Mean 111.2
Std Dev 0

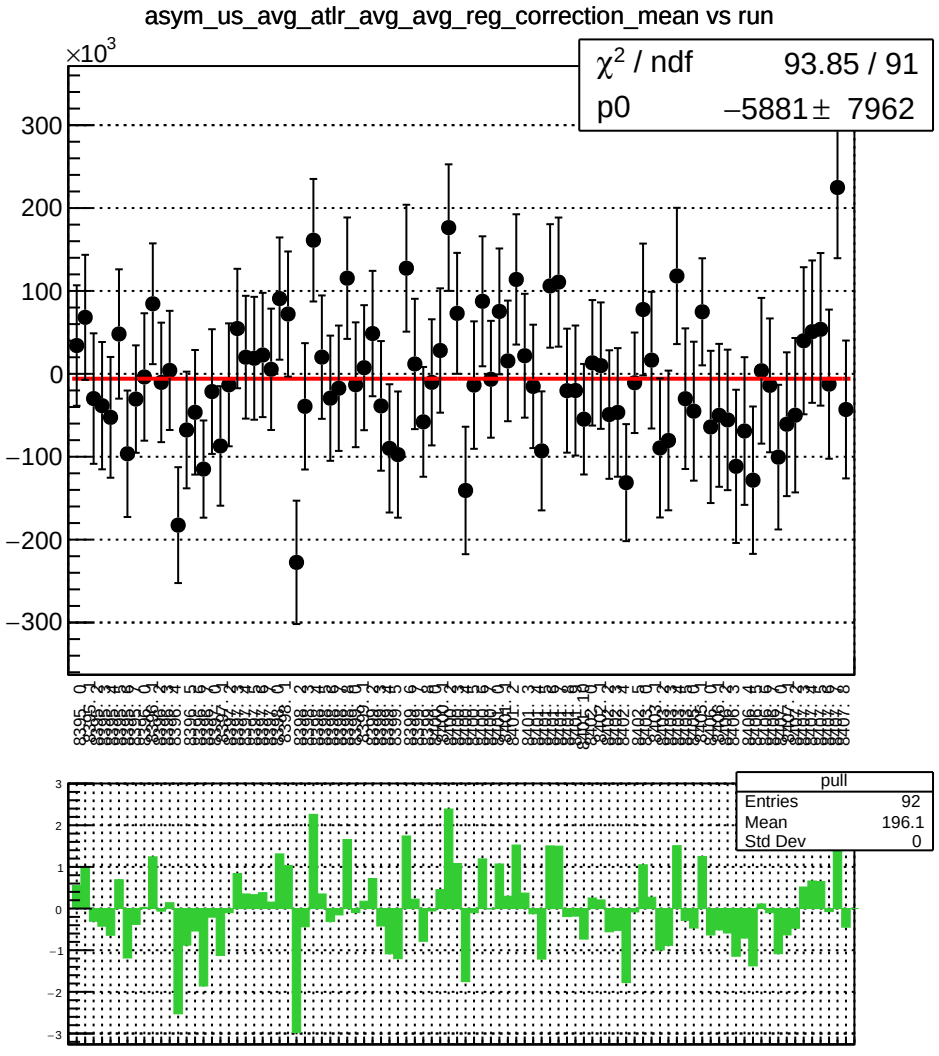

pull1D
Entries 92
Mean 0.05993
Std Dev 0.9643

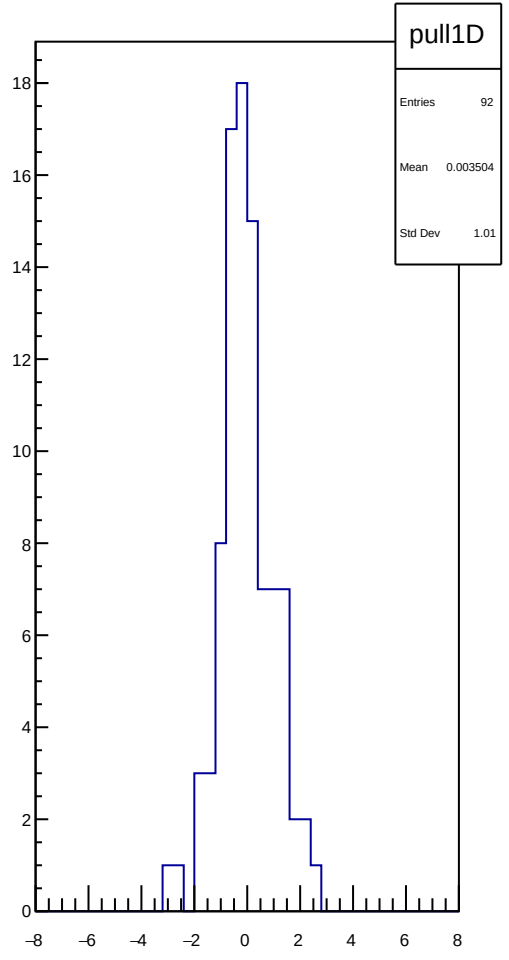

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.54e+05 / 91
p0 4.309e−10 ± 4.166e−13
4
3.5
3
2.5
2
1.5
1
0.5

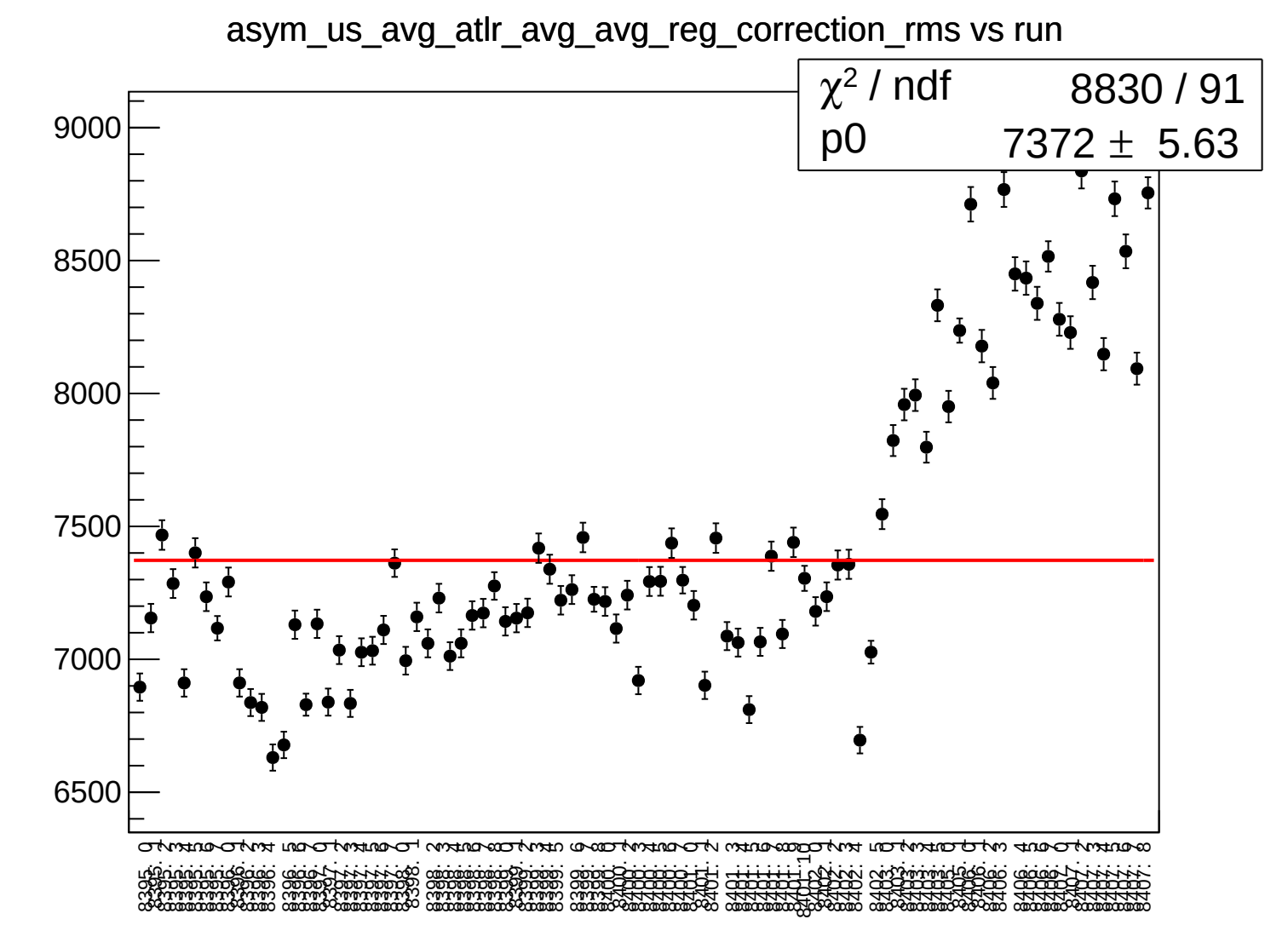

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 108.2 / 91
p0 1463 ± 1927
pull
Entries 92
Mean −710.2
Std Dev 0

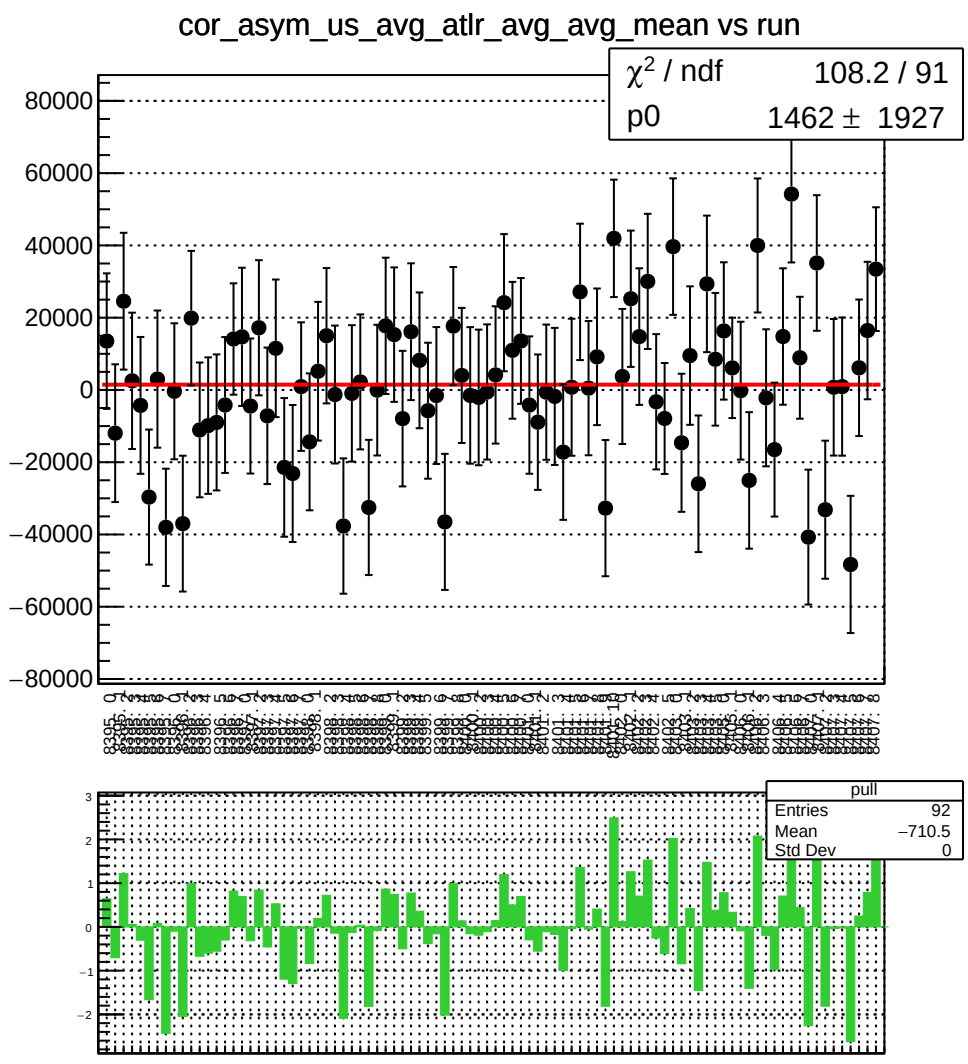

pull1D
Entries 92
Mean −0.006889
Std Dev 1.084

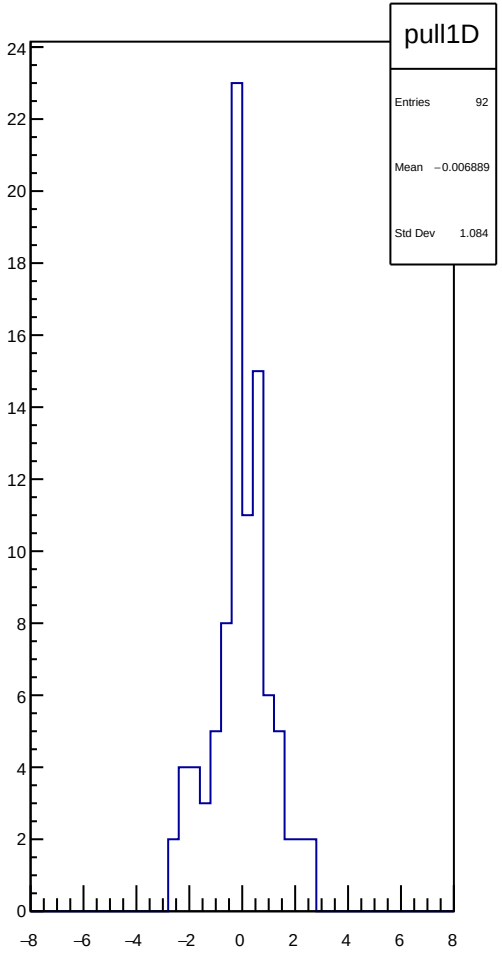

reg_asym_us_avg_atlr_avg_avg_rms vs run
$\chi^2$ / ndf 104.1 / 91
p0 1789 ± 1.363
1840
1820
1800
1780
1760
1740

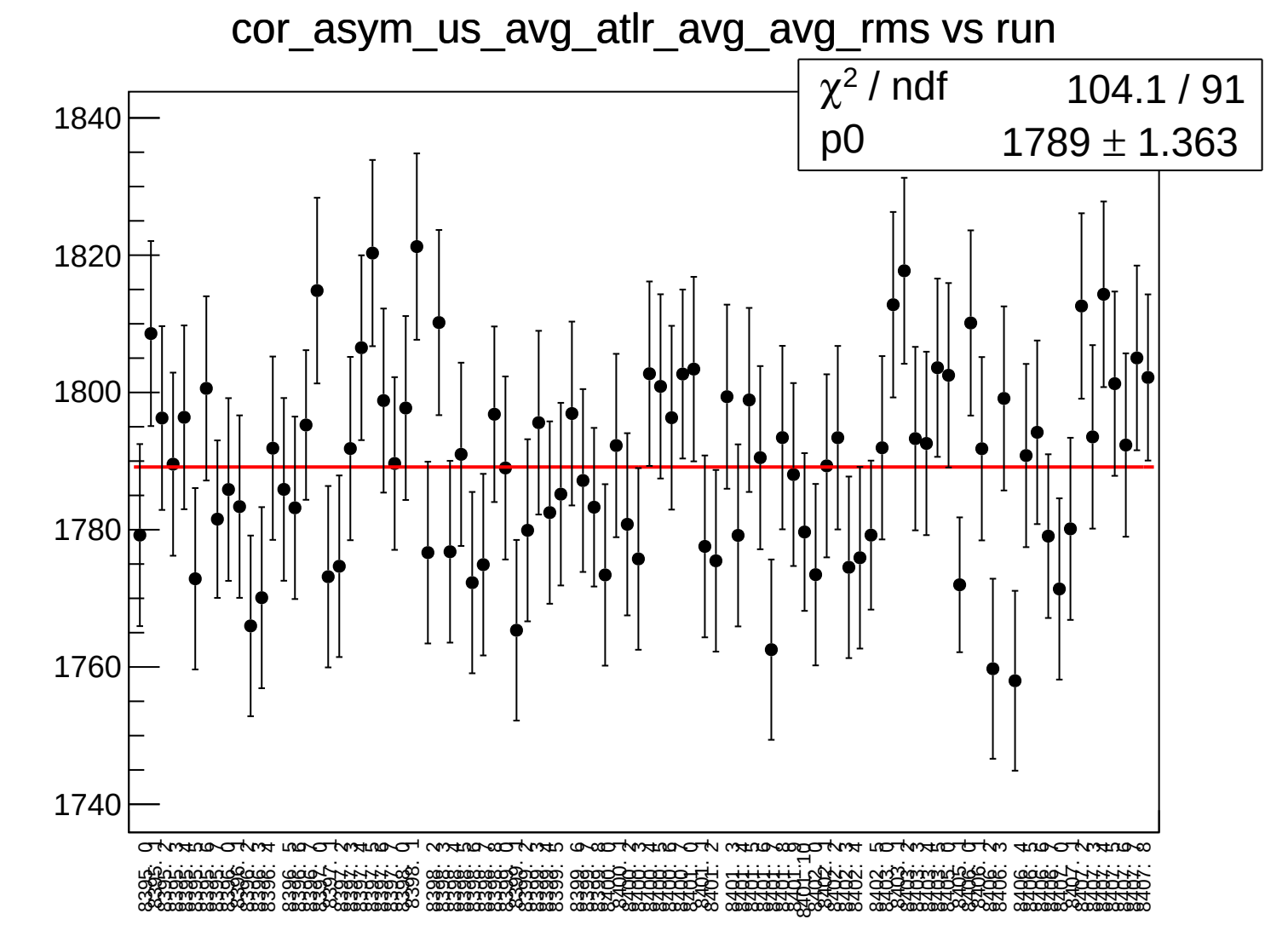

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 93.85 / 91
p0 −5881 ± 7962
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 196.1
Std Dev 0
3
2
1
0
−1
−2
−3

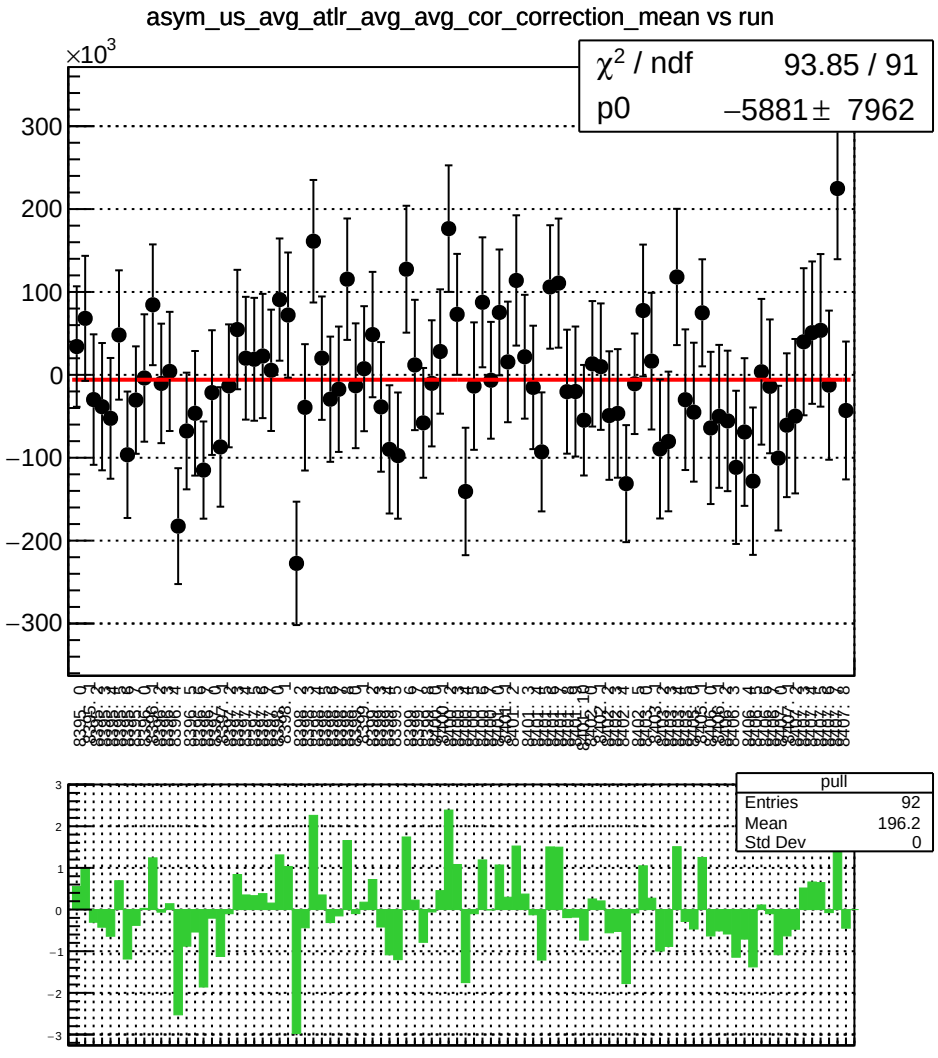

pull1D
Entries 92
Mean 0.003504
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

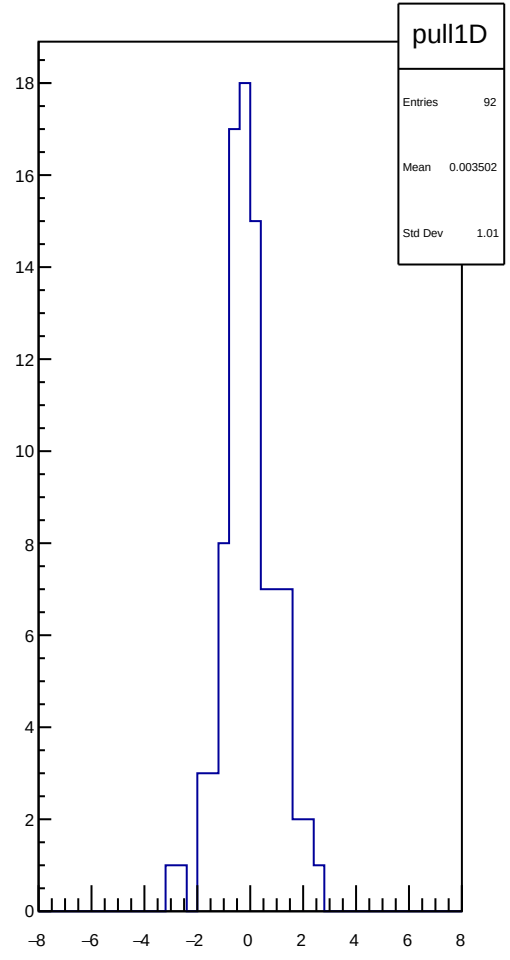

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 8830 / 91
p0 7372 ± 5.63
9000
8500
8000
7500
7000
6500

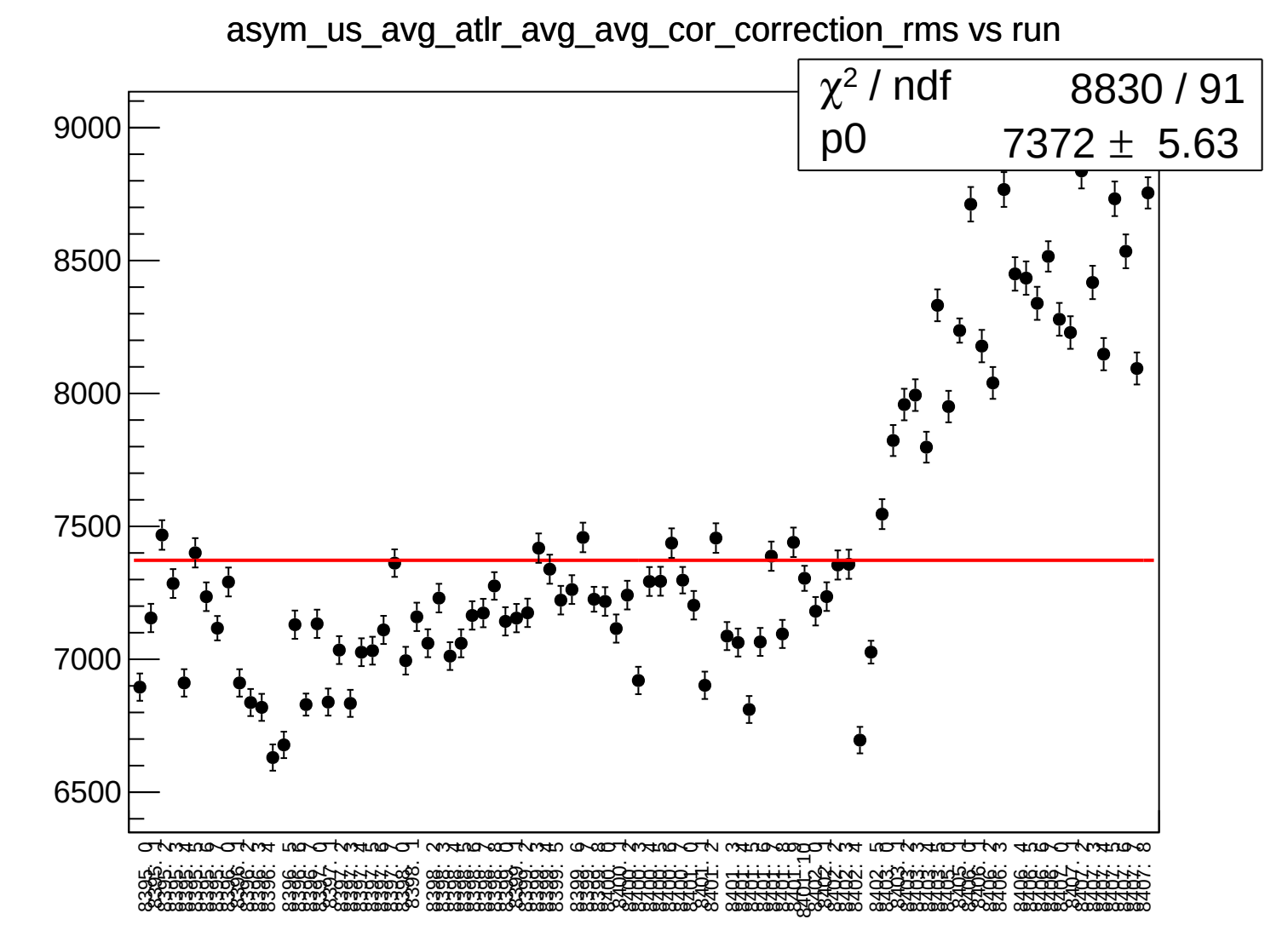

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 108.2 / 91
p0 1462 ± 1927
pull
Entries 92
Mean −710.5
Std Dev 0

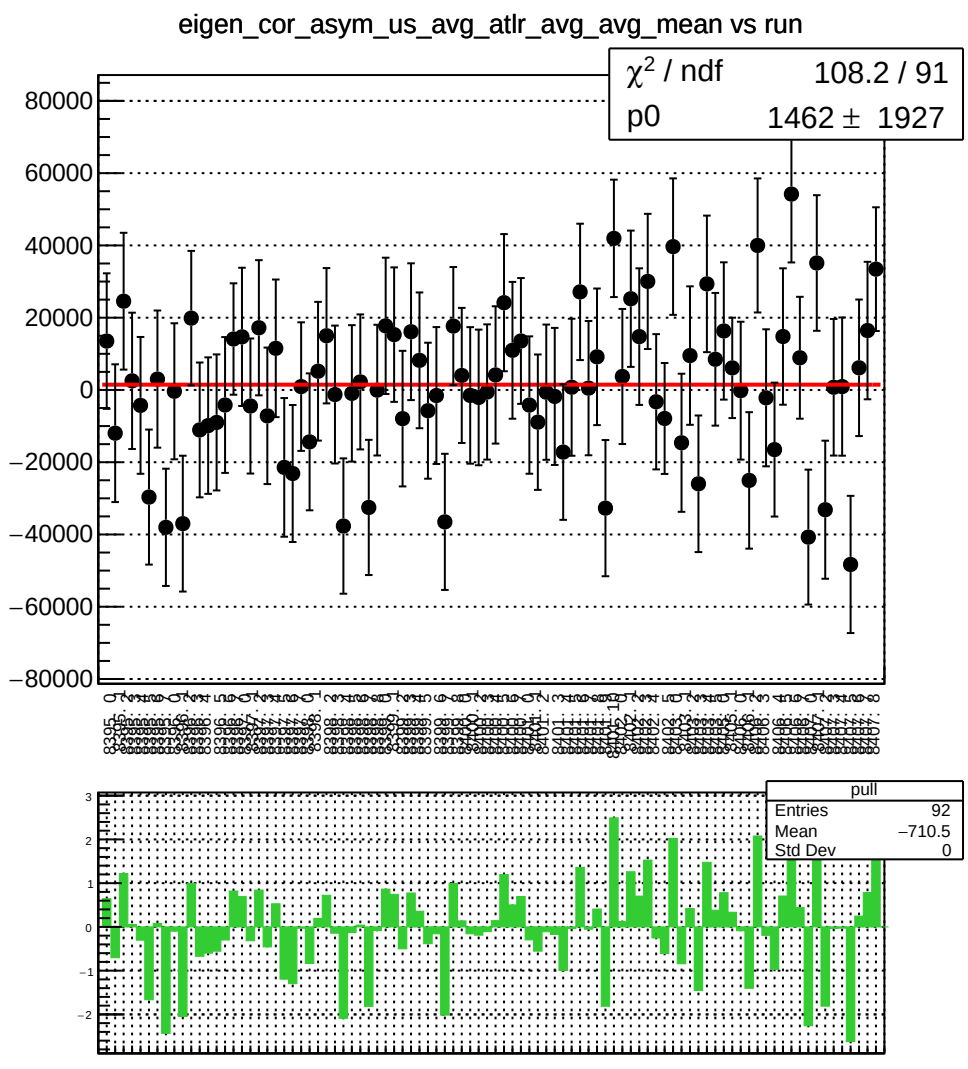

pull1D
Entries 92
Mean −0.006889
Std Dev 1.084

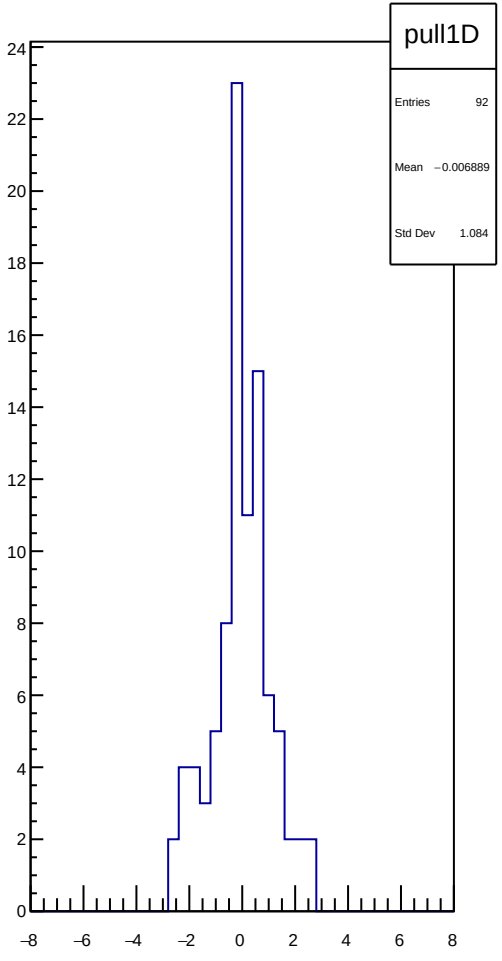

cor_asym_us_avg_atlr_avg_avg_rms vs run
$\chi^2$ / ndf 104.1 / 91
p0 1789 ± 1.363
1840
1820
1800
1780
1760
1740

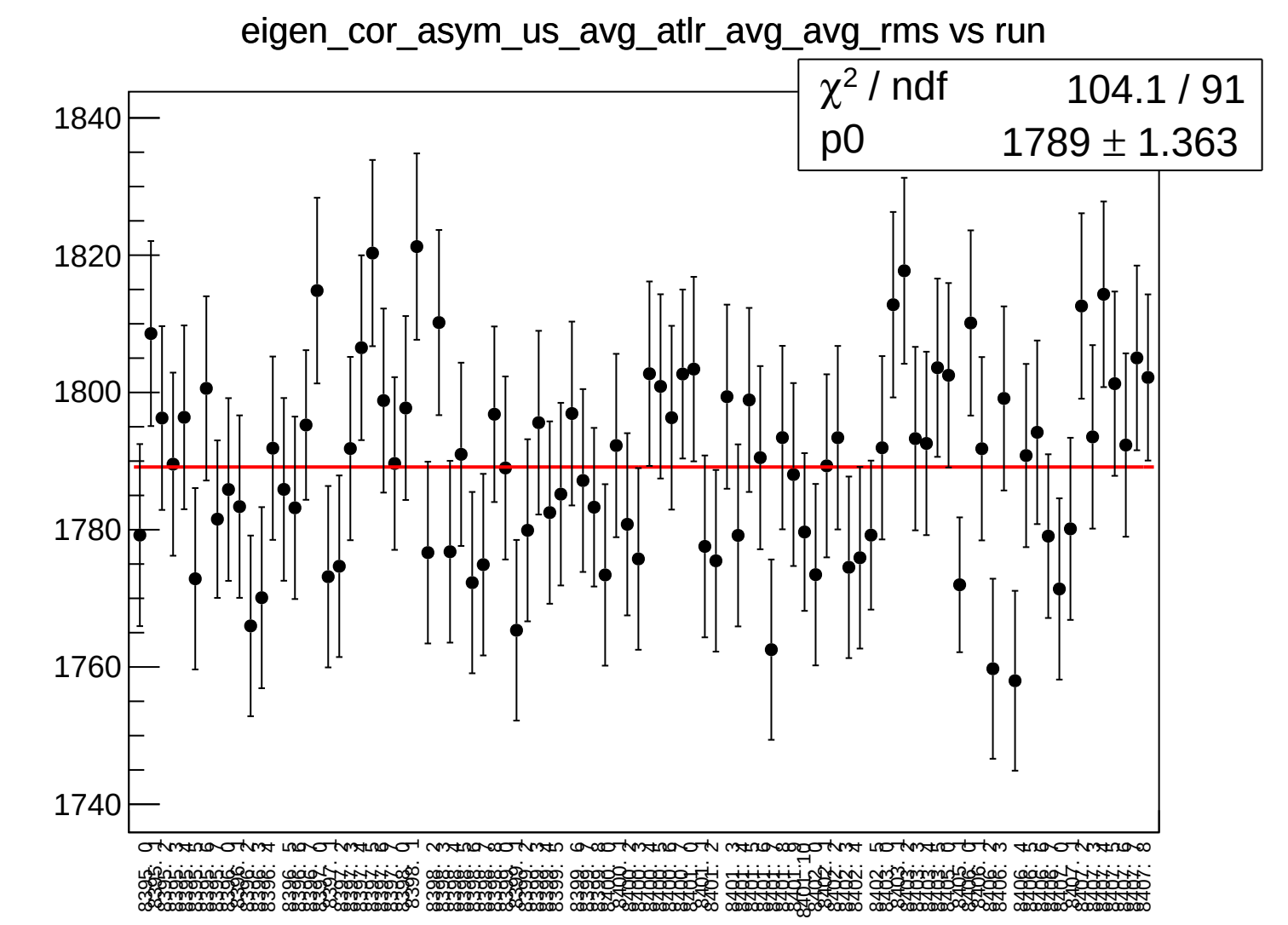

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.85 / 91
p0 −5881 ± 7962
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 196.2
Std Dev 0
3
2
1
0
−1
−2
−3

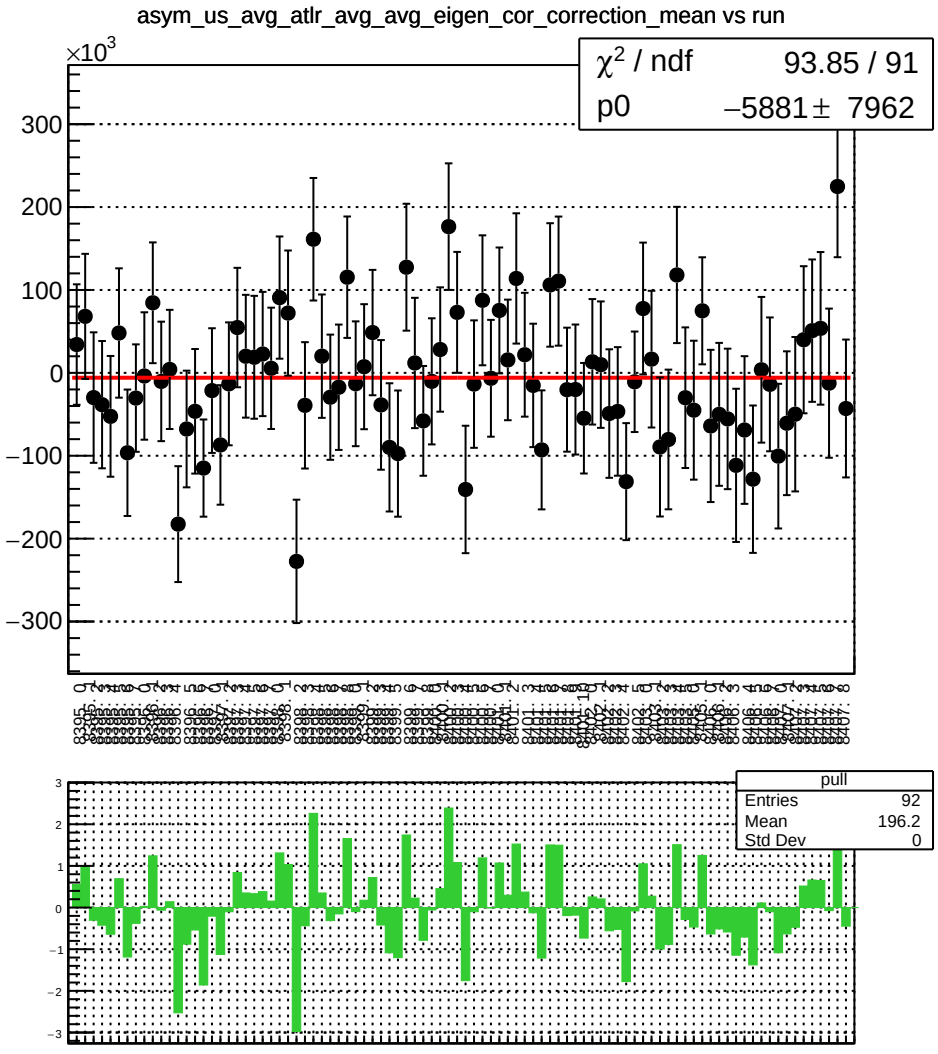

pull1D
Entries 92
Mean 0.003502
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

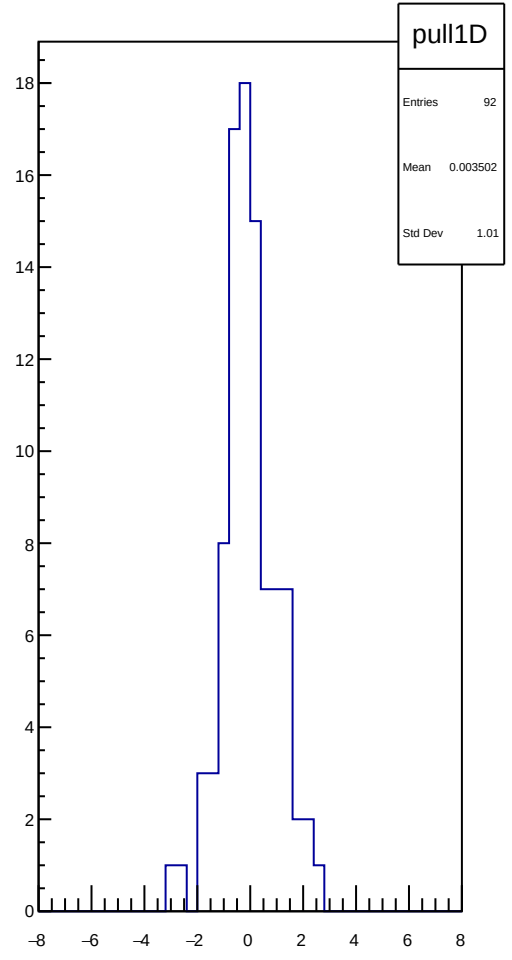

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 8830 / 91
p0 7372 ± 5.63
9000
8500
8000
7500
7000
6500

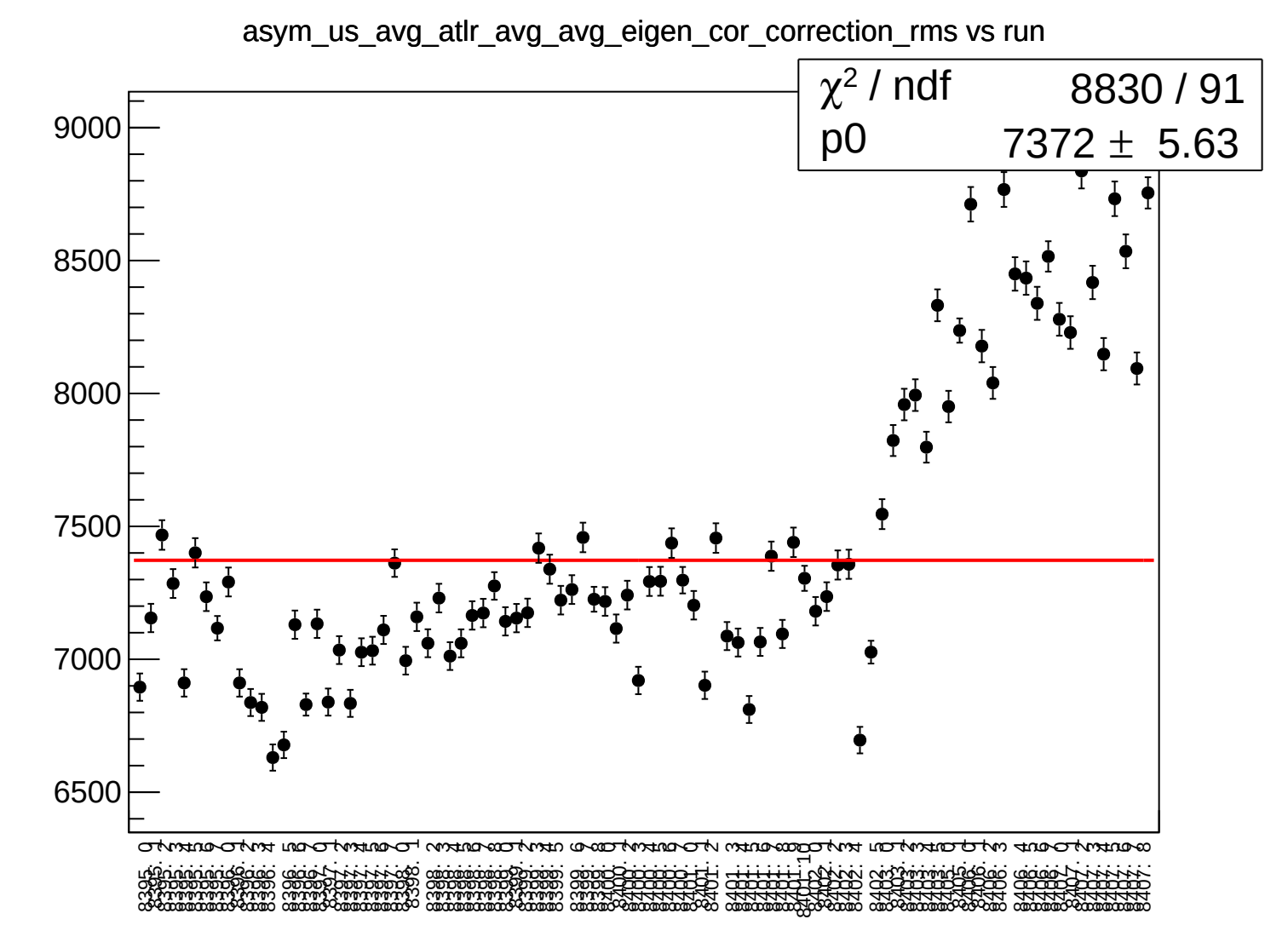

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 108.2 / 91
p0 1462 ± 1927
pull
Entries 92
Mean −710.5
Std Dev 0

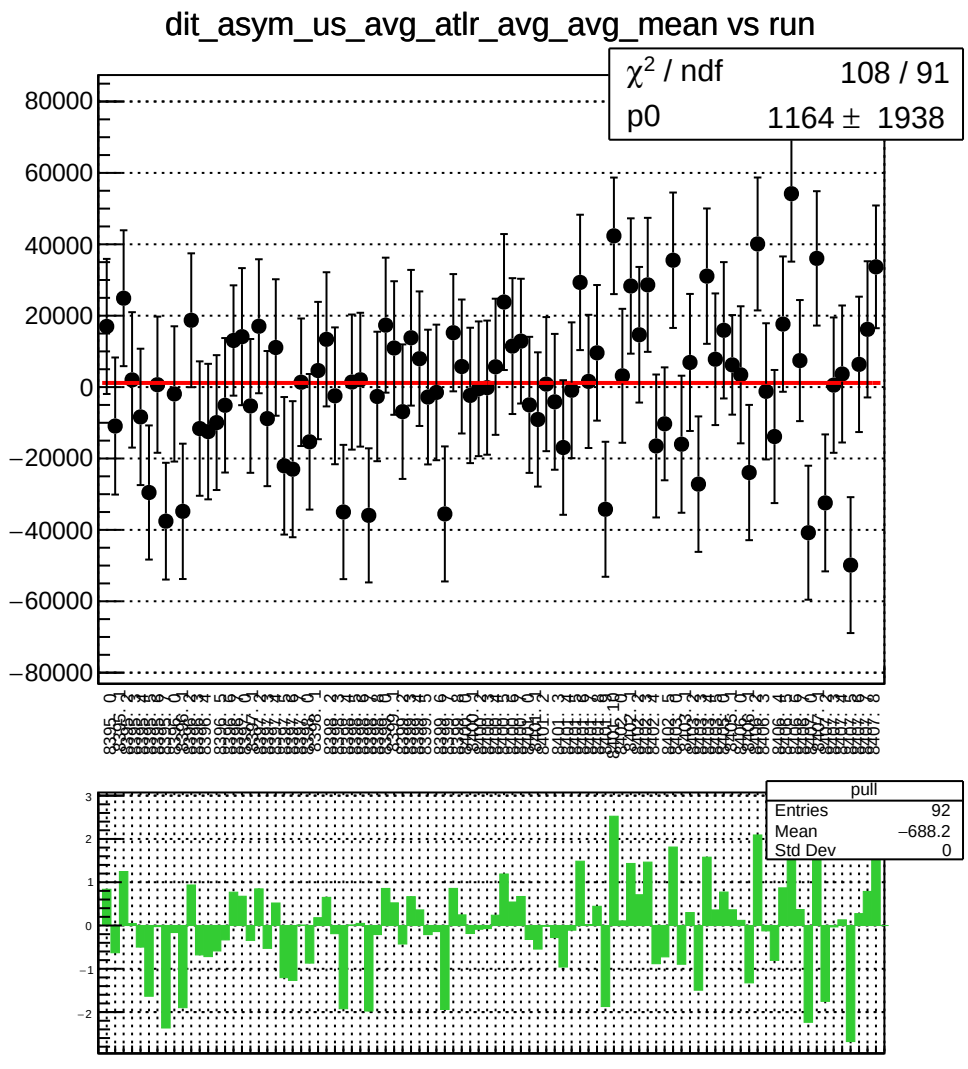

pull1D
Entries 92
Mean −0.006889
Std Dev 1.084

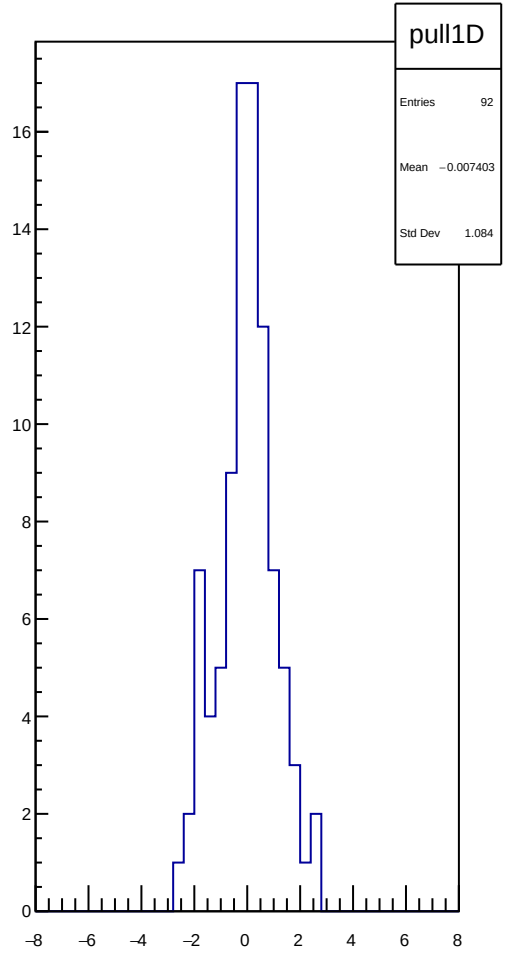

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 104.1 / 91
p0 1789 ± 1.363
1840
1820
1800
1780
1760
1740

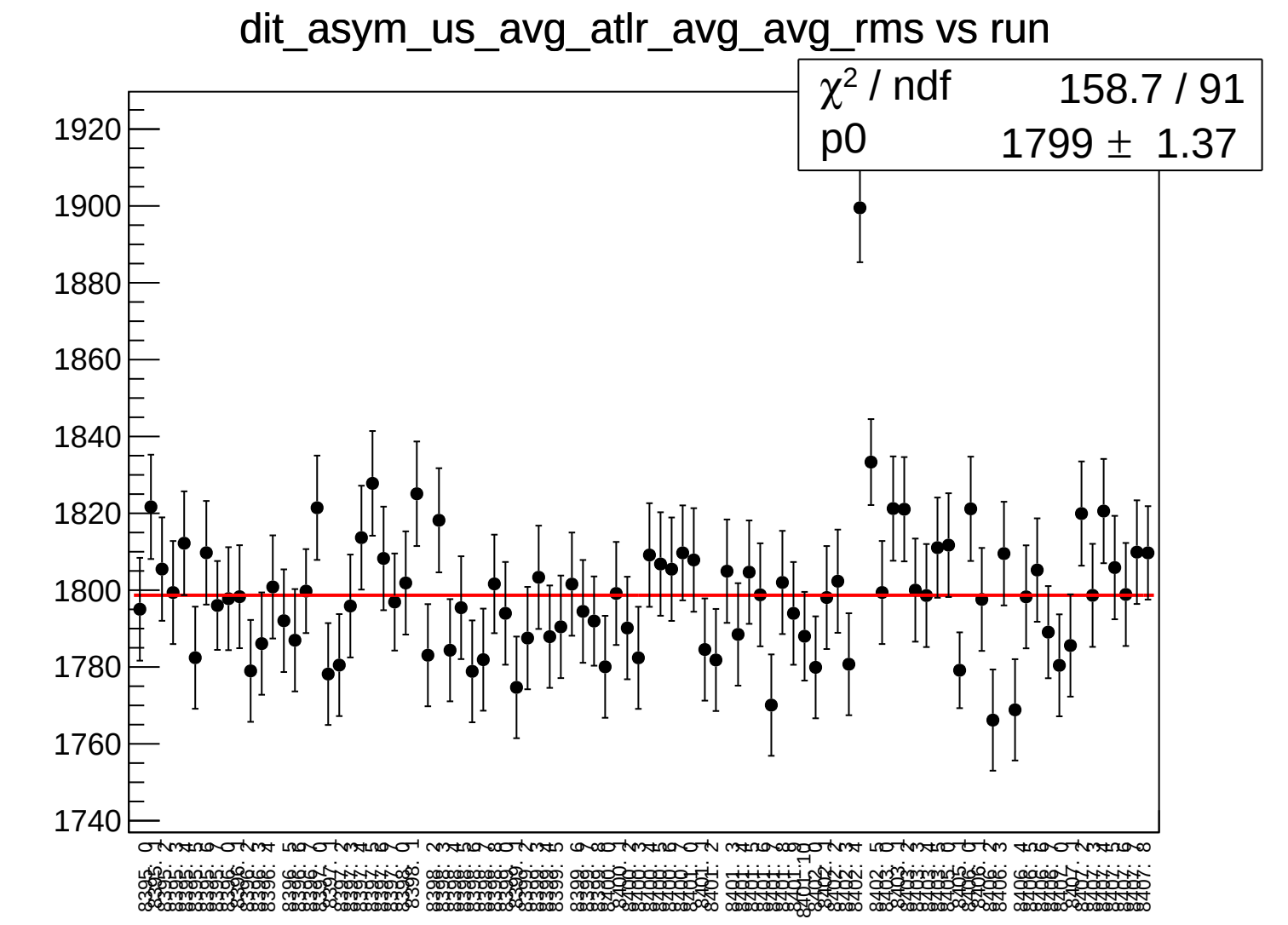

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.85 / 91
p0 −5881 ± 7962
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 196.2
Std Dev 0
3
2
1
0
−1
−2
−3

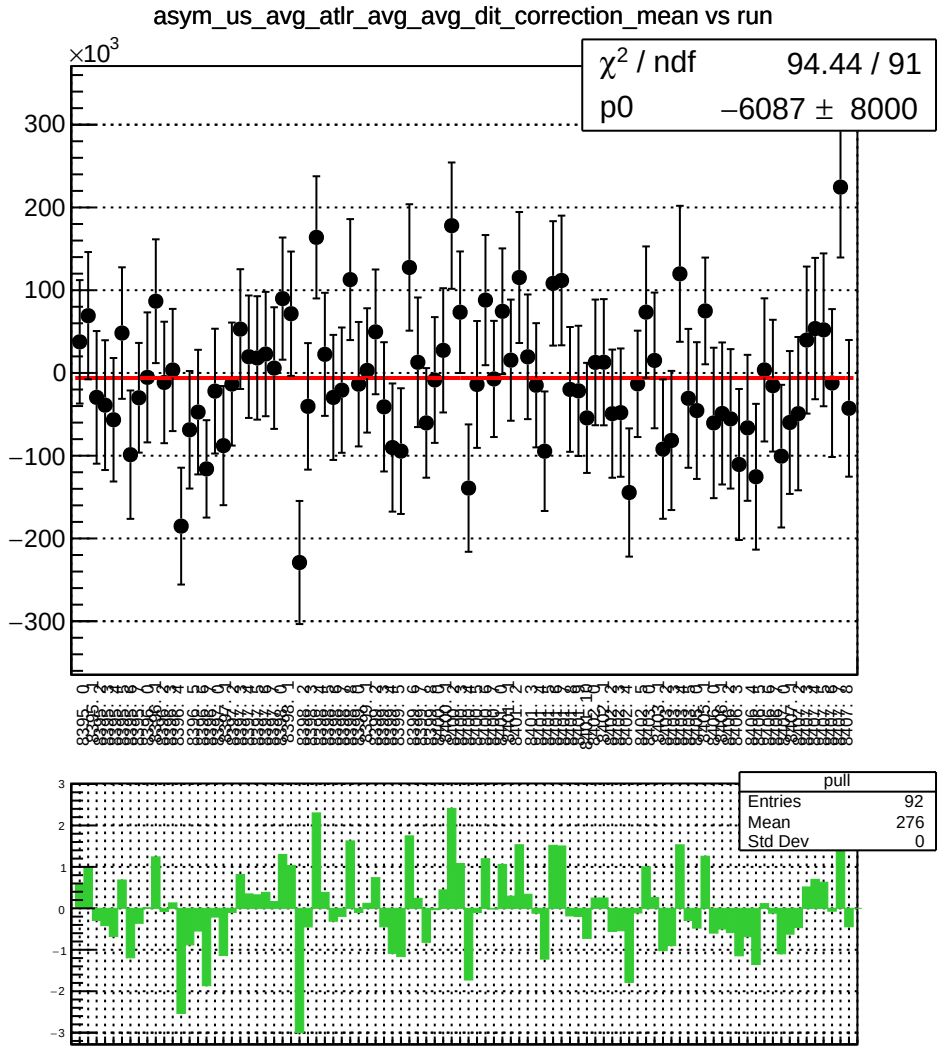

pull1D
Entries 92
Mean 0.003502
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

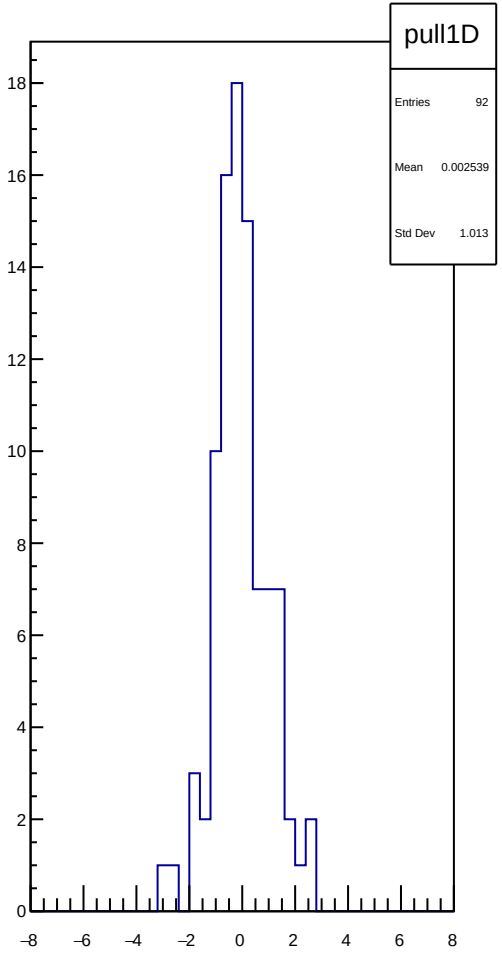

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 8830 / 91
p0 7372 ± 5.63
9000
8500
8000
7500
7000
6500

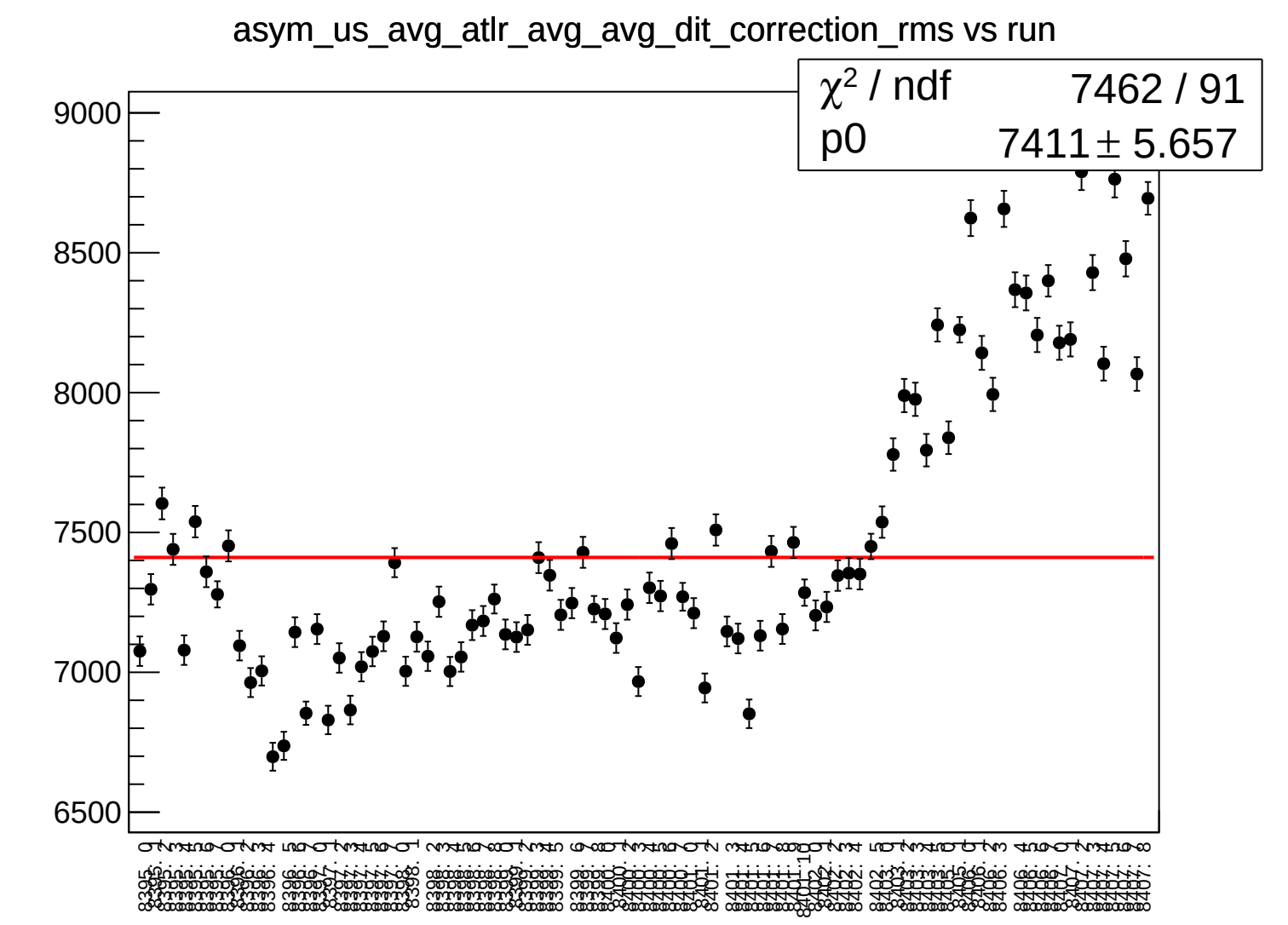

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 108 / 91
p0 1164 ± 1938
pull
Entries 92
Mean −688.2
Std Dev 0

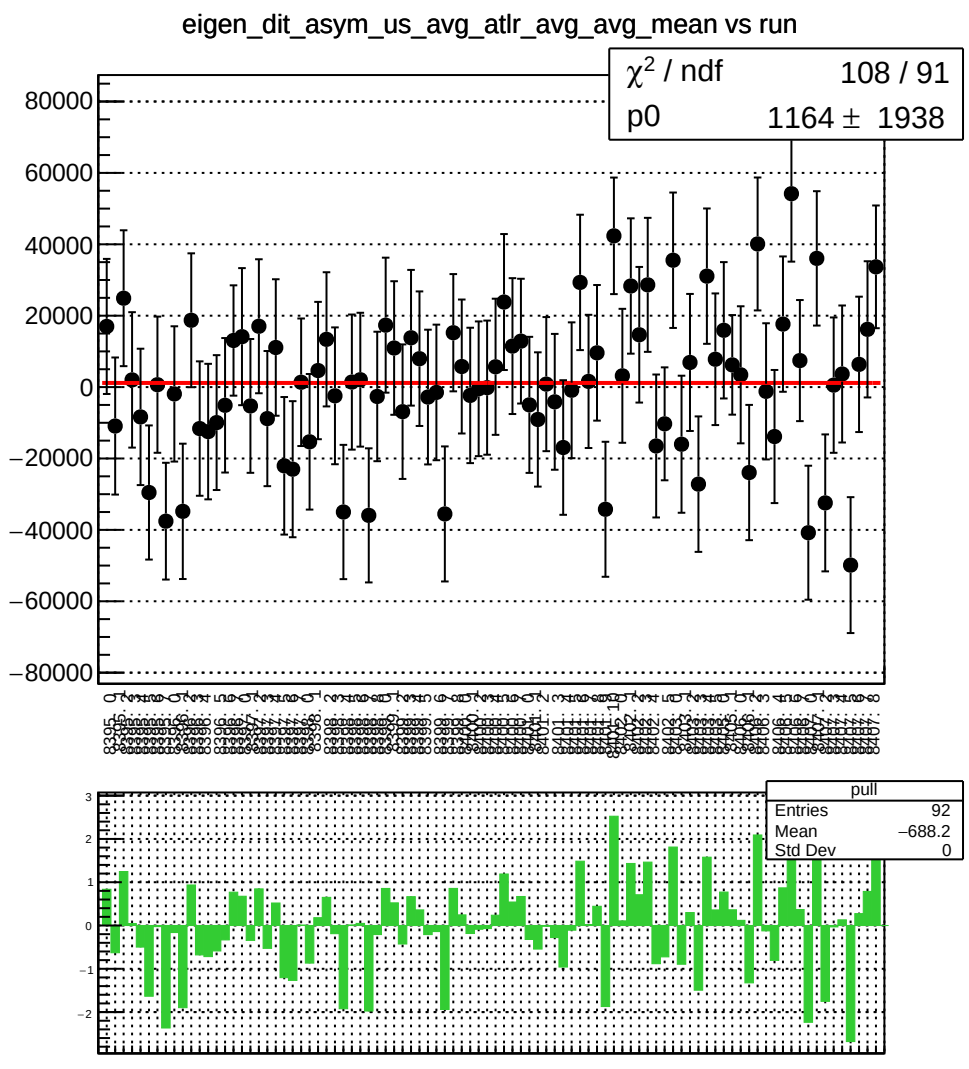

pull1D
Entries 92
Mean −0.007403
Std Dev 1.084

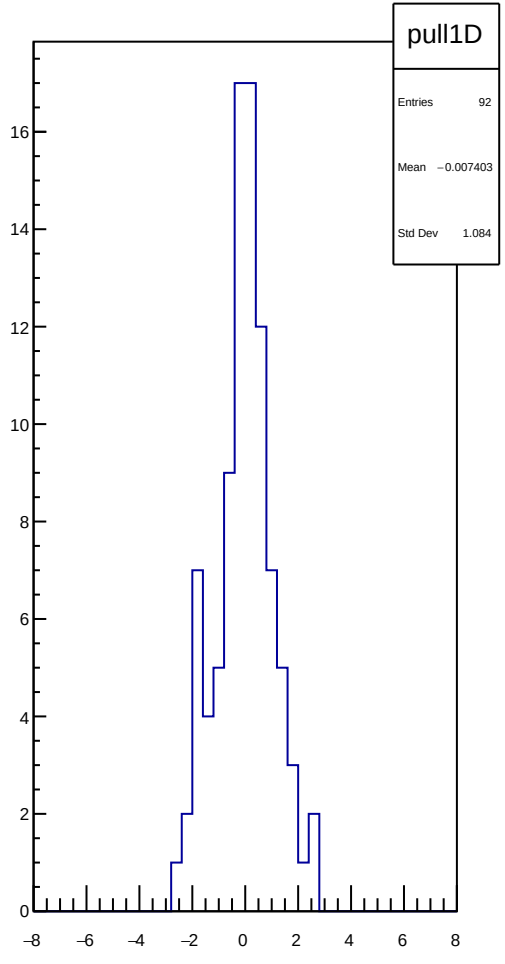

dit_asym_us_avg_atlr_avg_avg_rms vs run
$\chi^2$ / ndf 158.7 / 91
p0 1799 ± 1.37
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

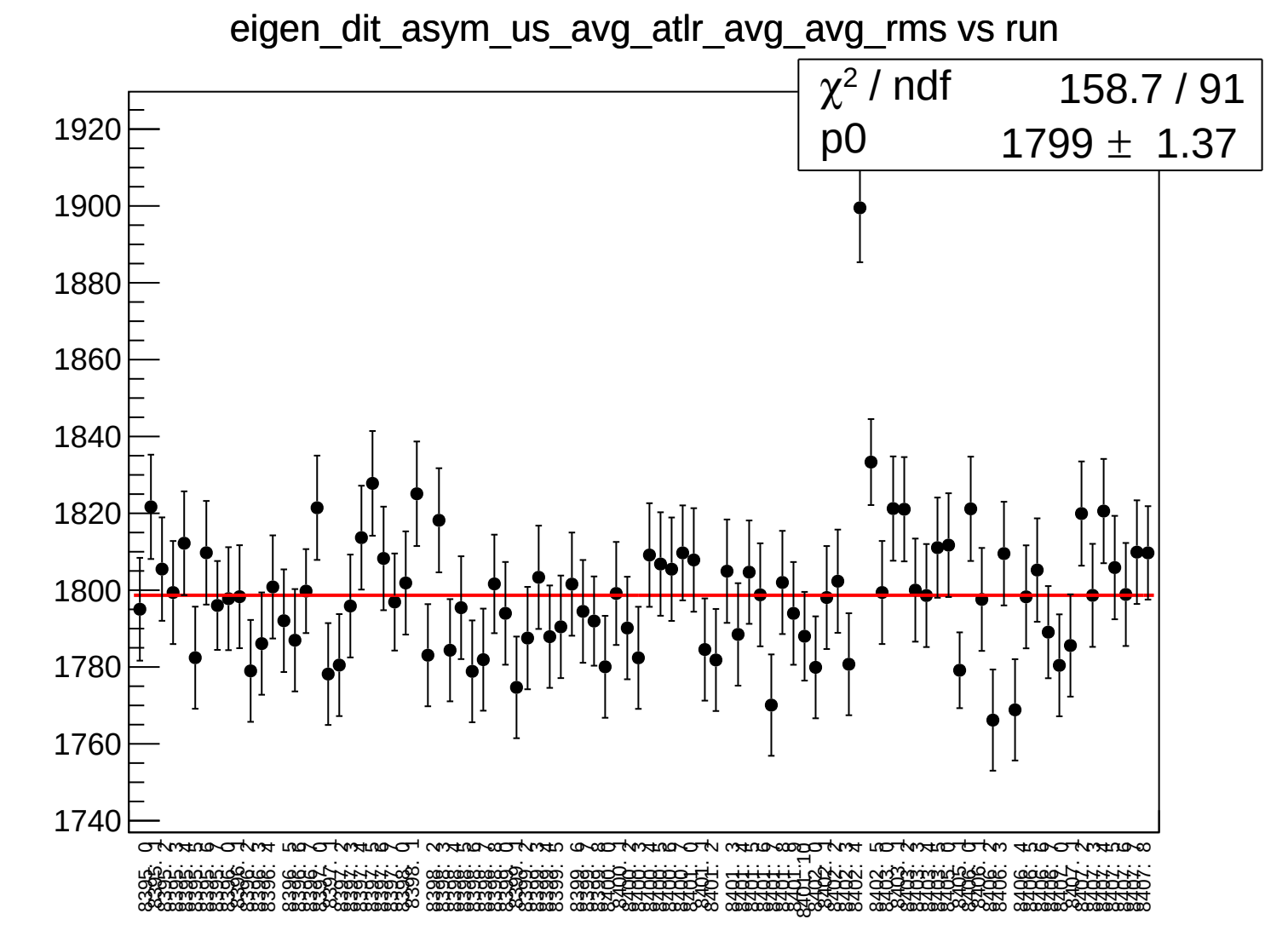

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.44 / 91
p0 −6087 ± 8000
pull
Entries 92
Mean 276
Std Dev 0

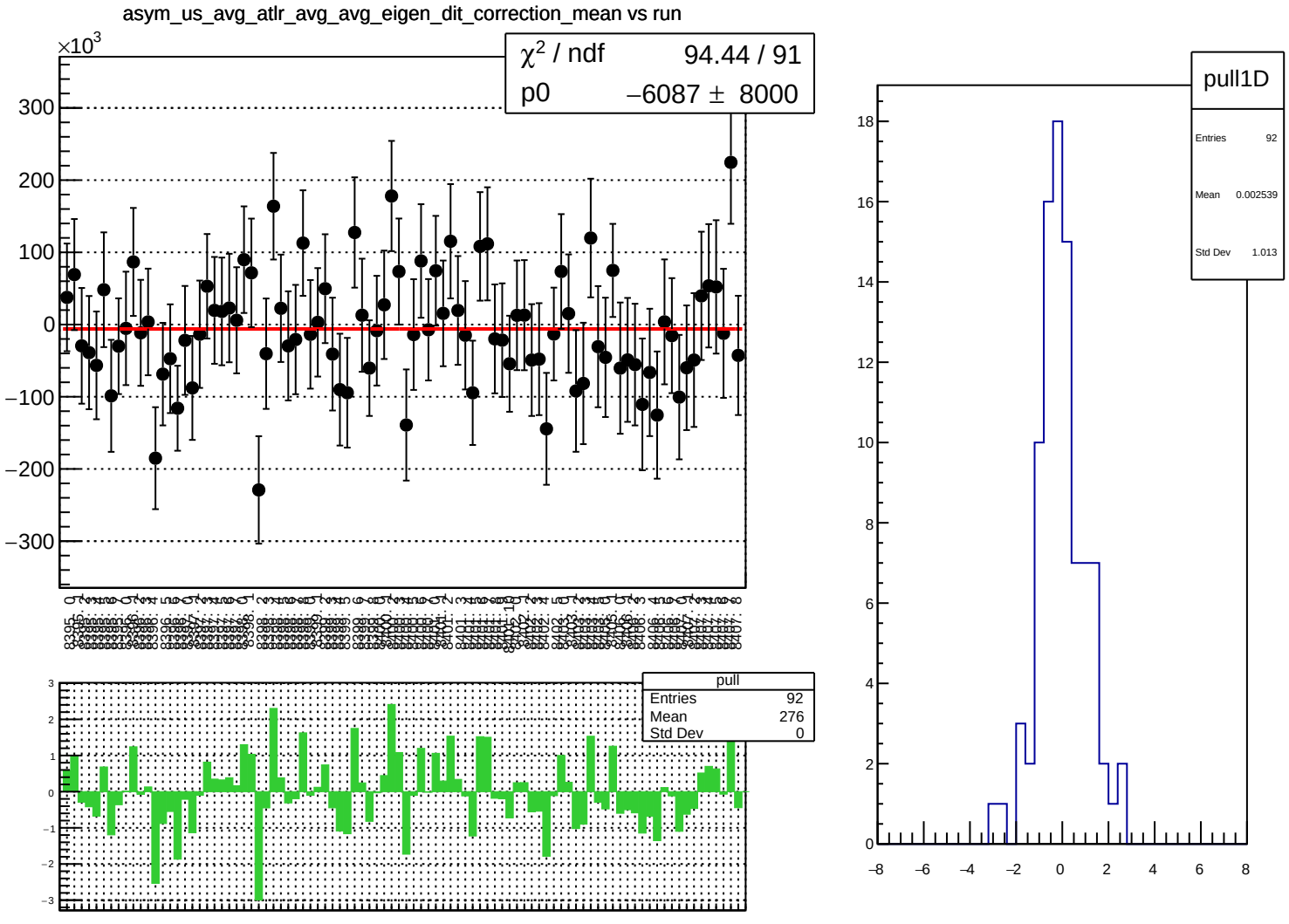

pull1D
Entries 92
Mean 0.002539
Std Dev 1.013

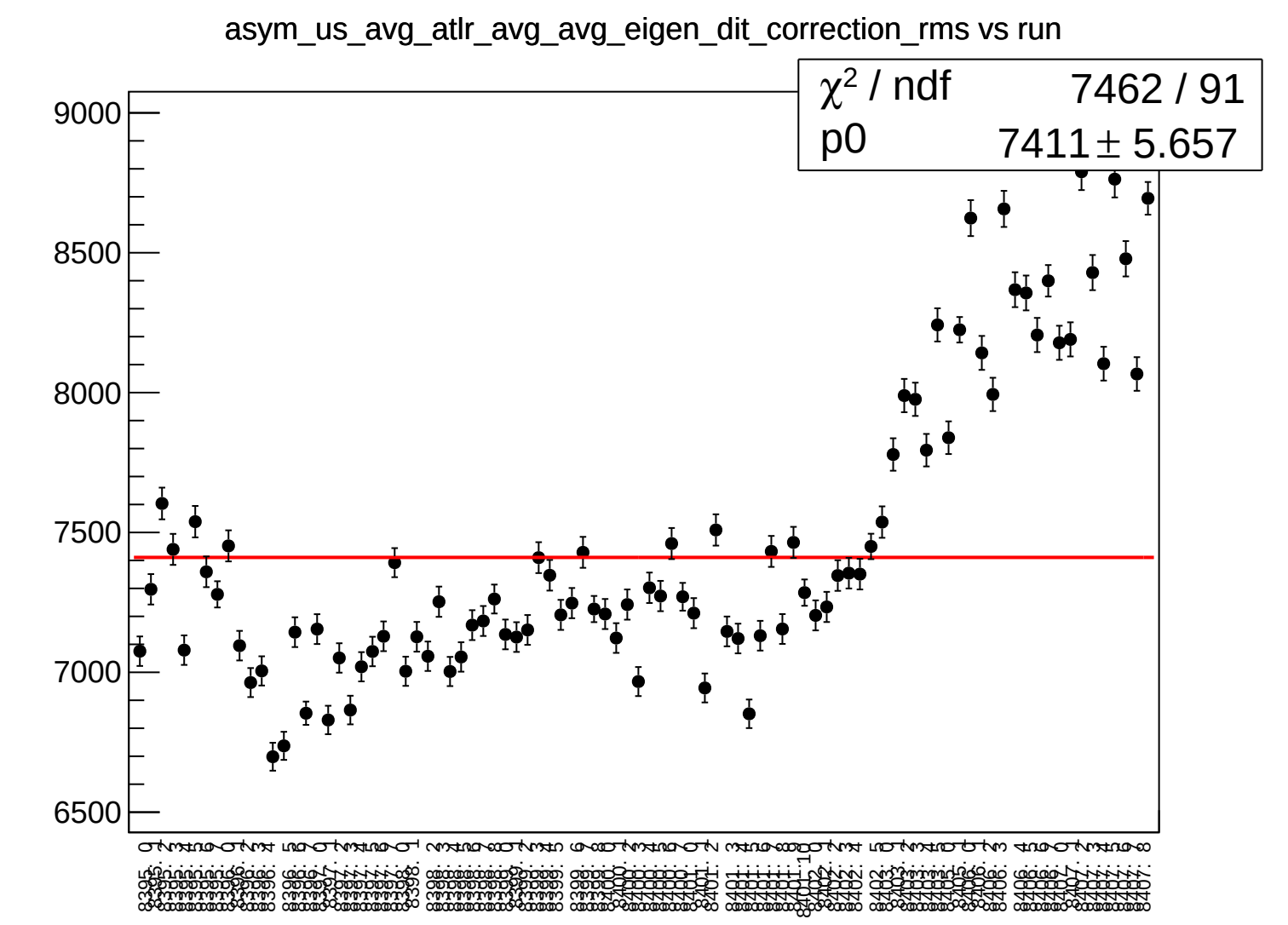

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 7462 / 91
p0 7411 ± 5.657
9000
8500
8000
7500
7000
6500

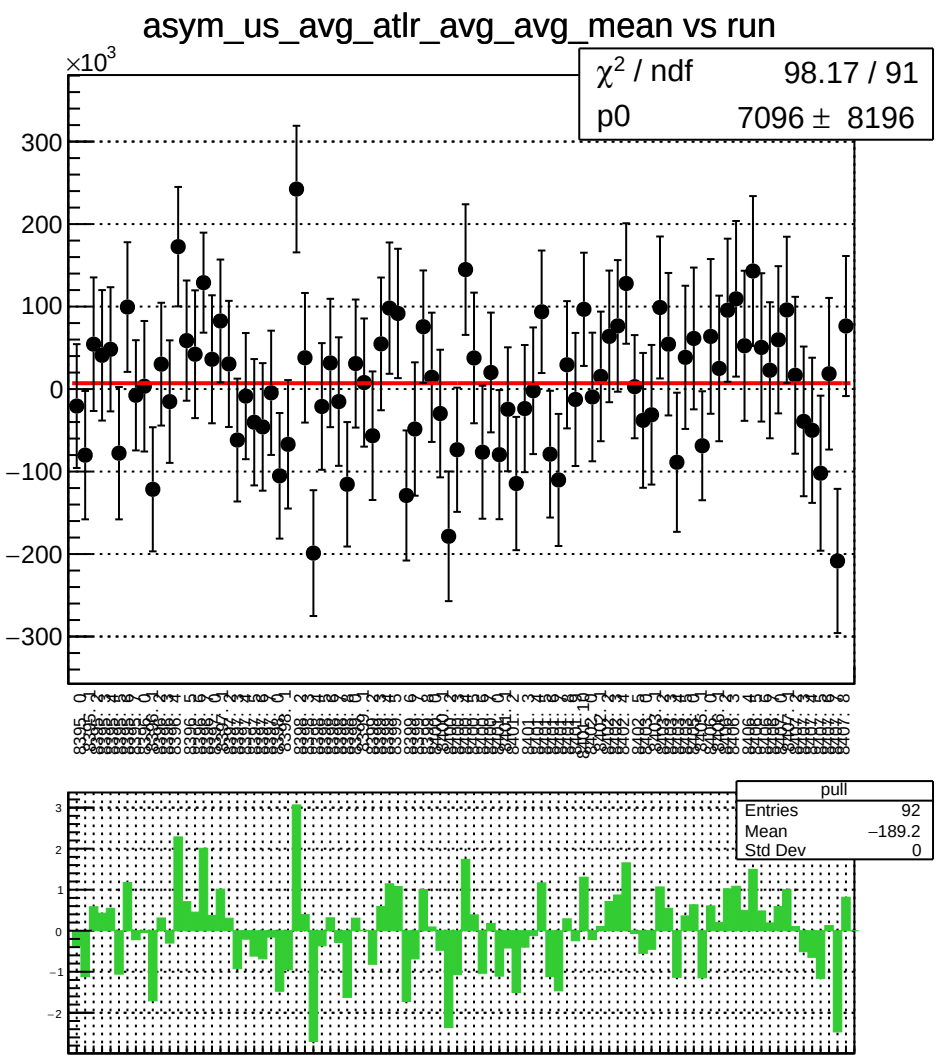

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 108 / 91
p0 1164 ± 1938
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −688.2
Std Dev 0
3
2
1
0
−1
−2

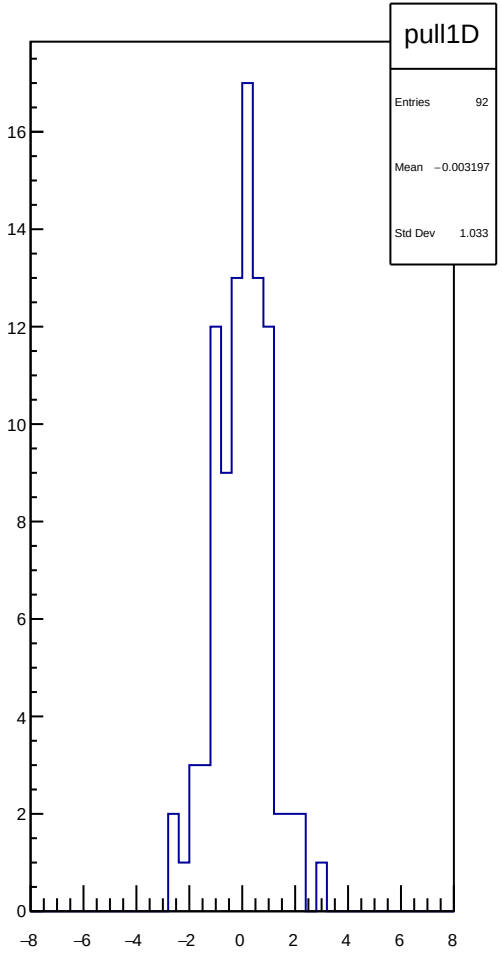

pull1D
Entries 92
Mean −0.007403
Std Dev 1.084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

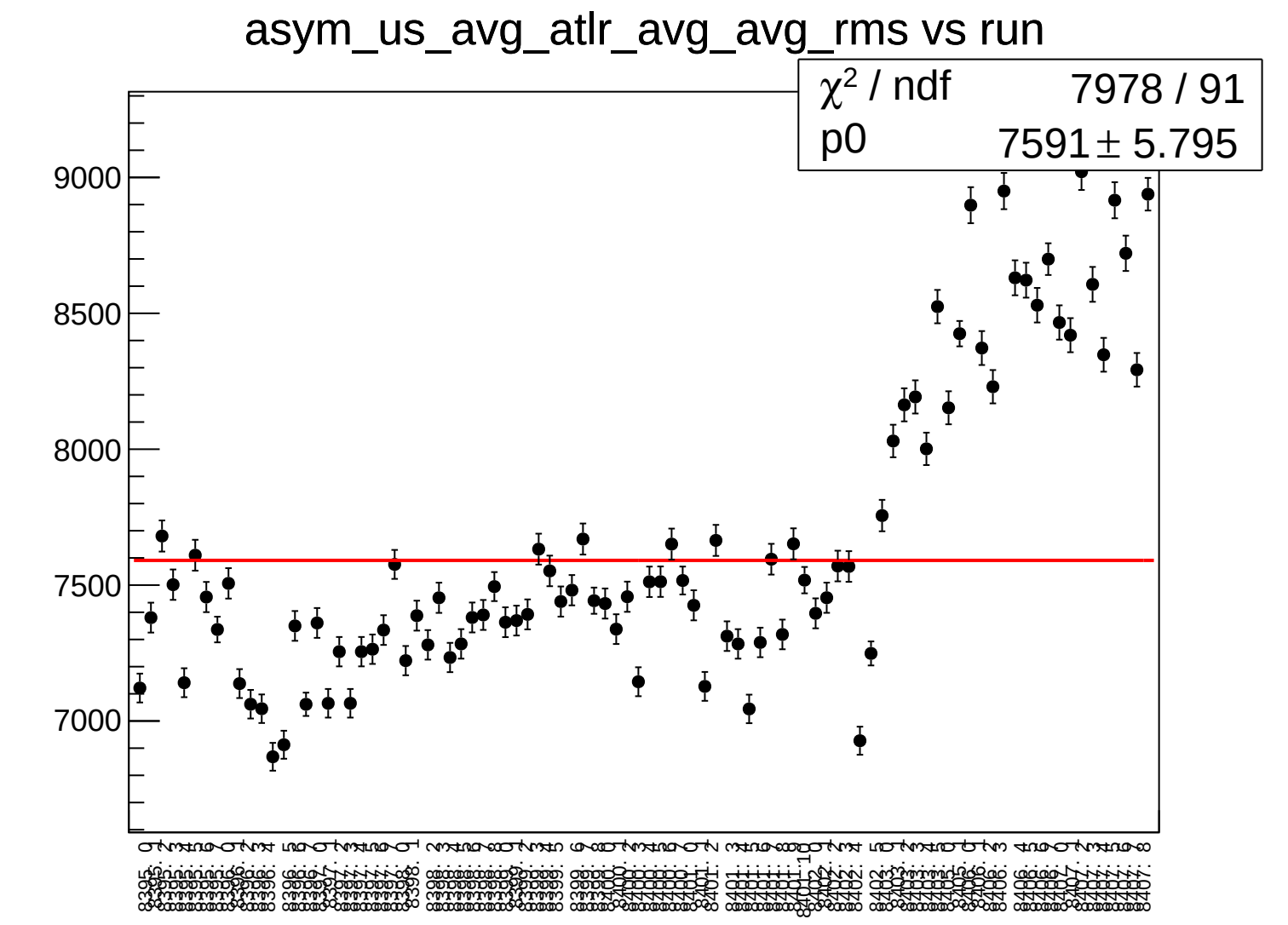

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 158.7 / 91
p0 1799 ± 1.37
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

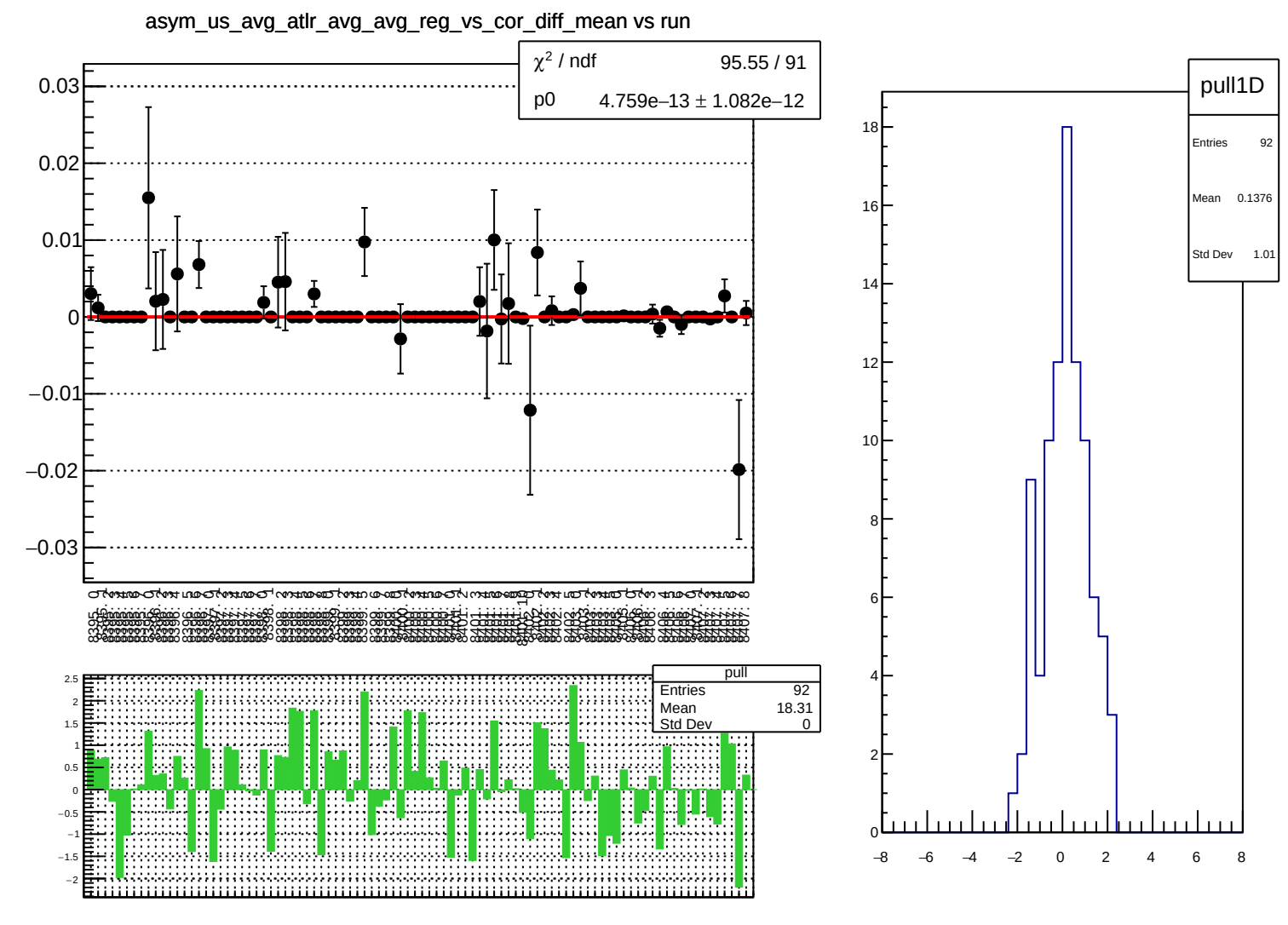

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.44 / 91
p0 −6087 ± 8000
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean 276
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.002539
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

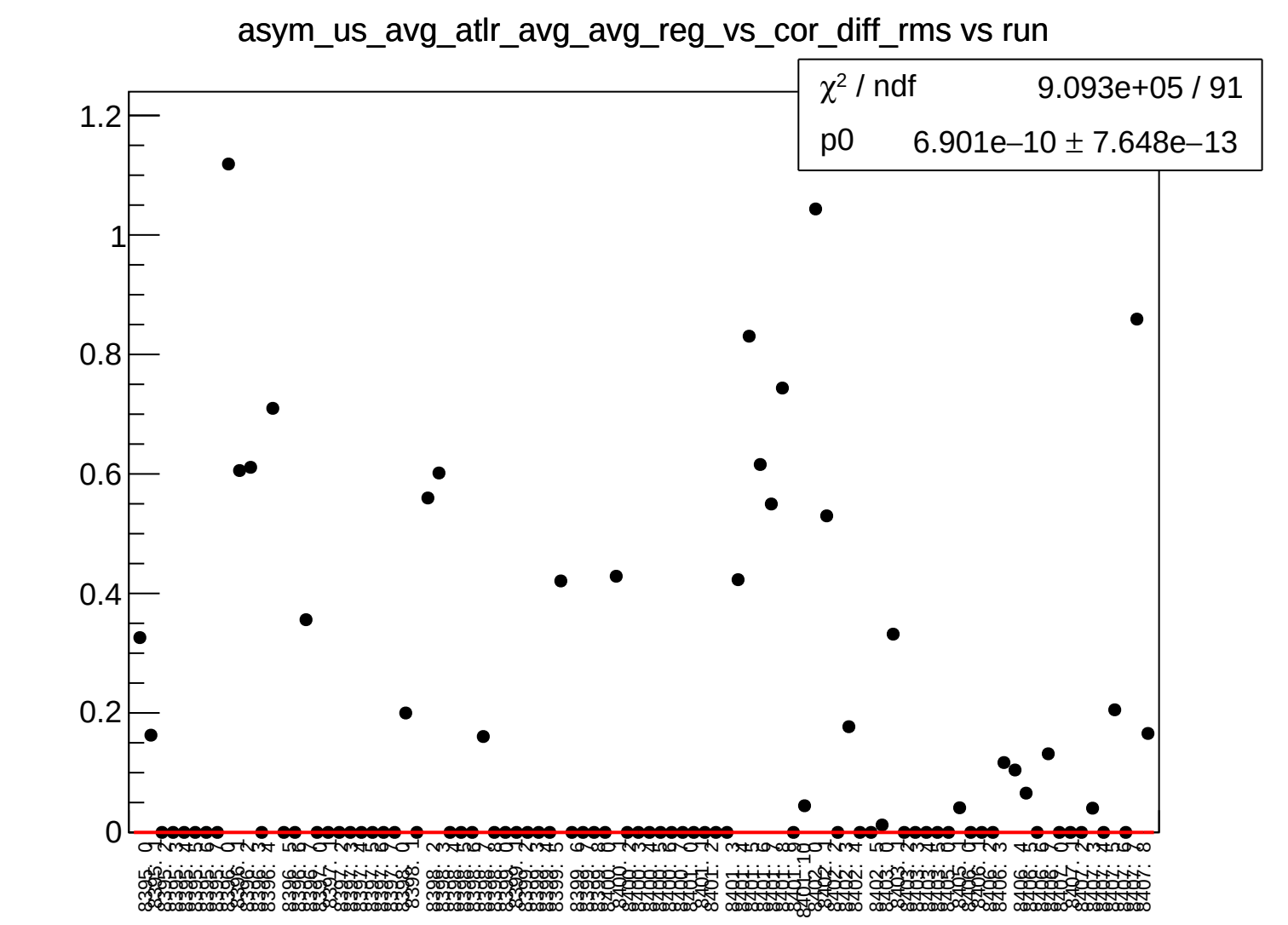

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 7462 / 91
p0 7411 ± 5.657
9000
8500
8000
7500
7000
6500

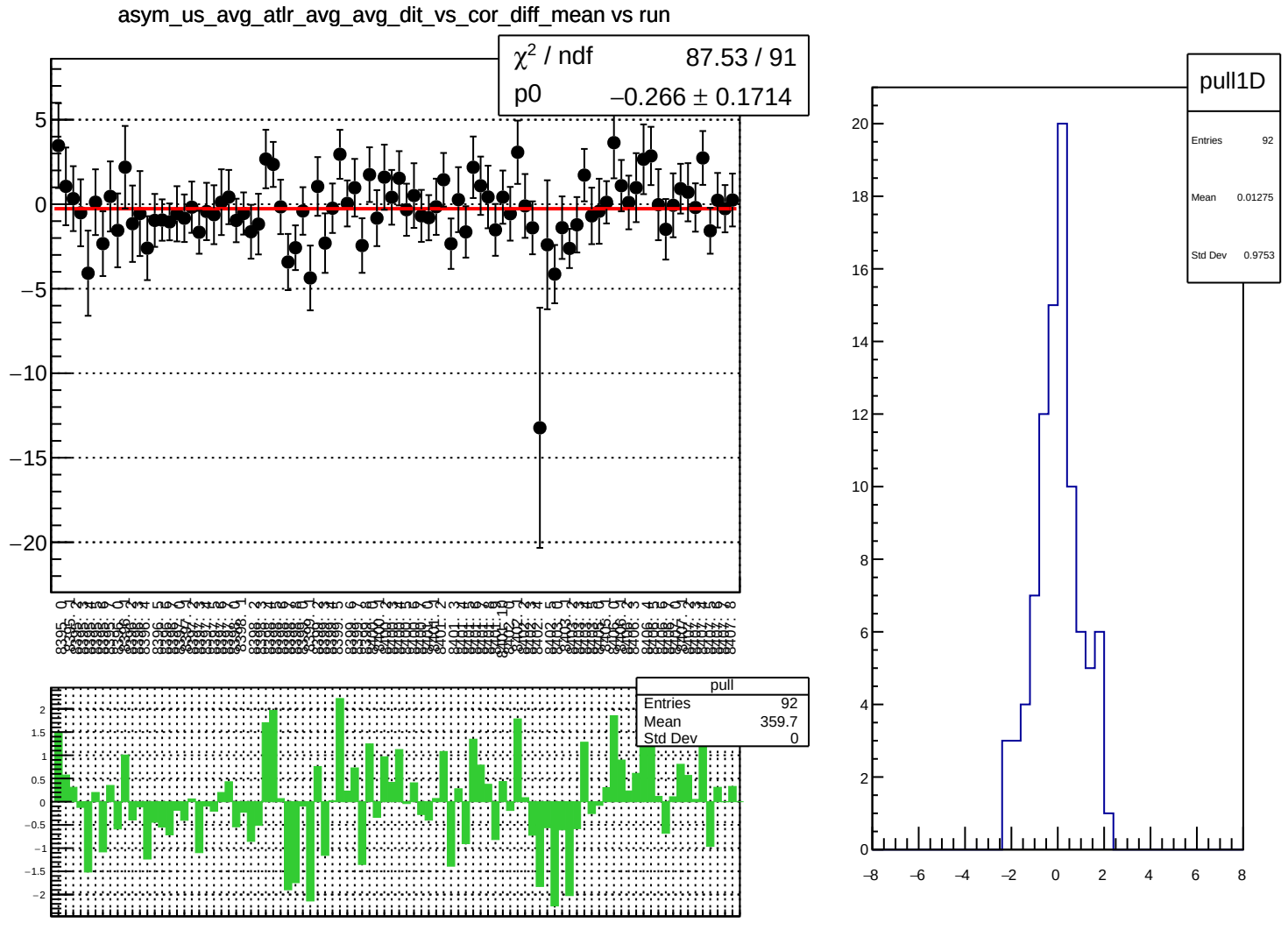

asym_us_avg_atlr_avg_avg_mean vs run
$\chi^2$ / ndf 98.17 / 91
p0 7096 ± 8196
×10^3
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean −189.2
Std Dev 0
3
2
1
0
−1
−2

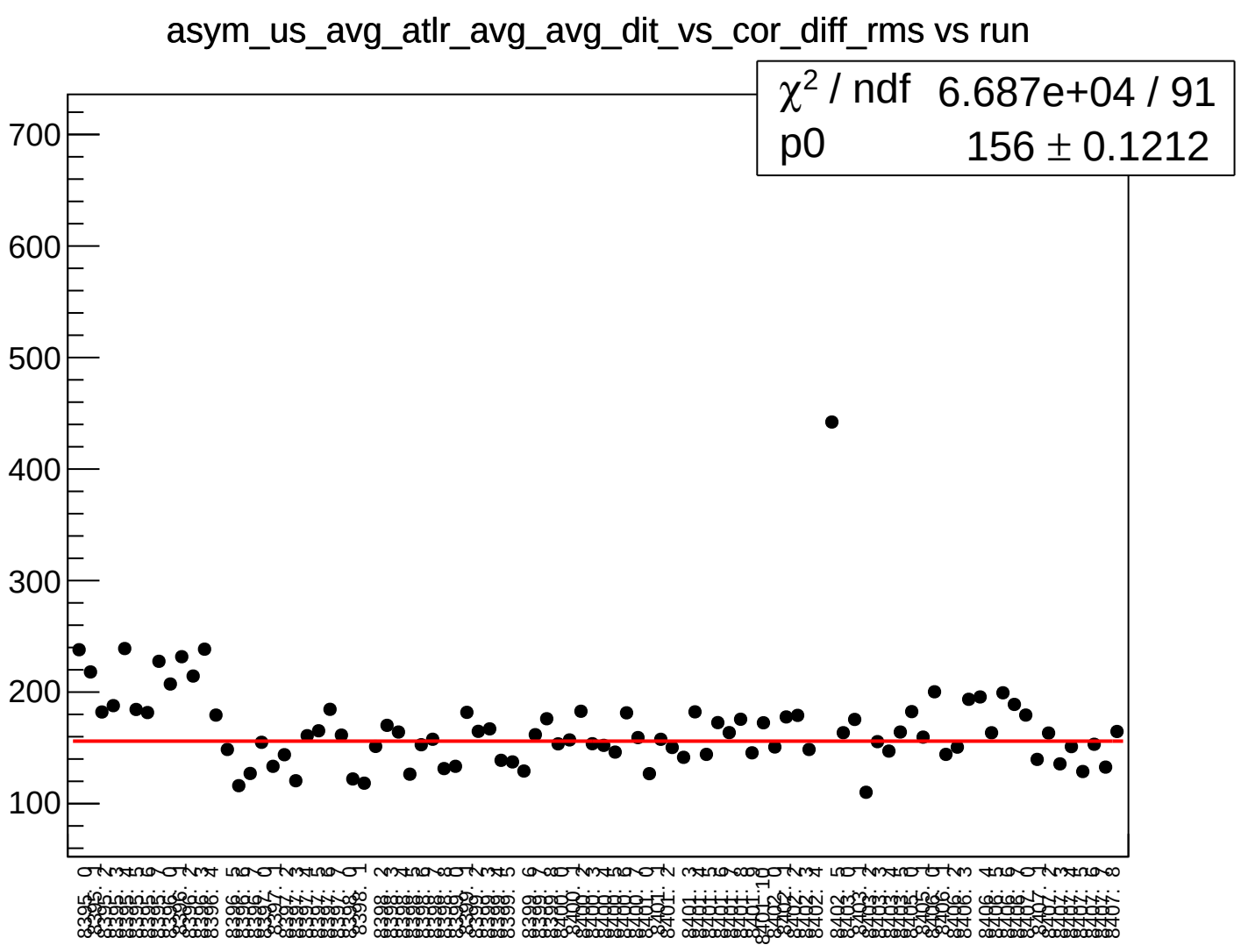

pull1D
Entries 92
Mean −0.003197
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

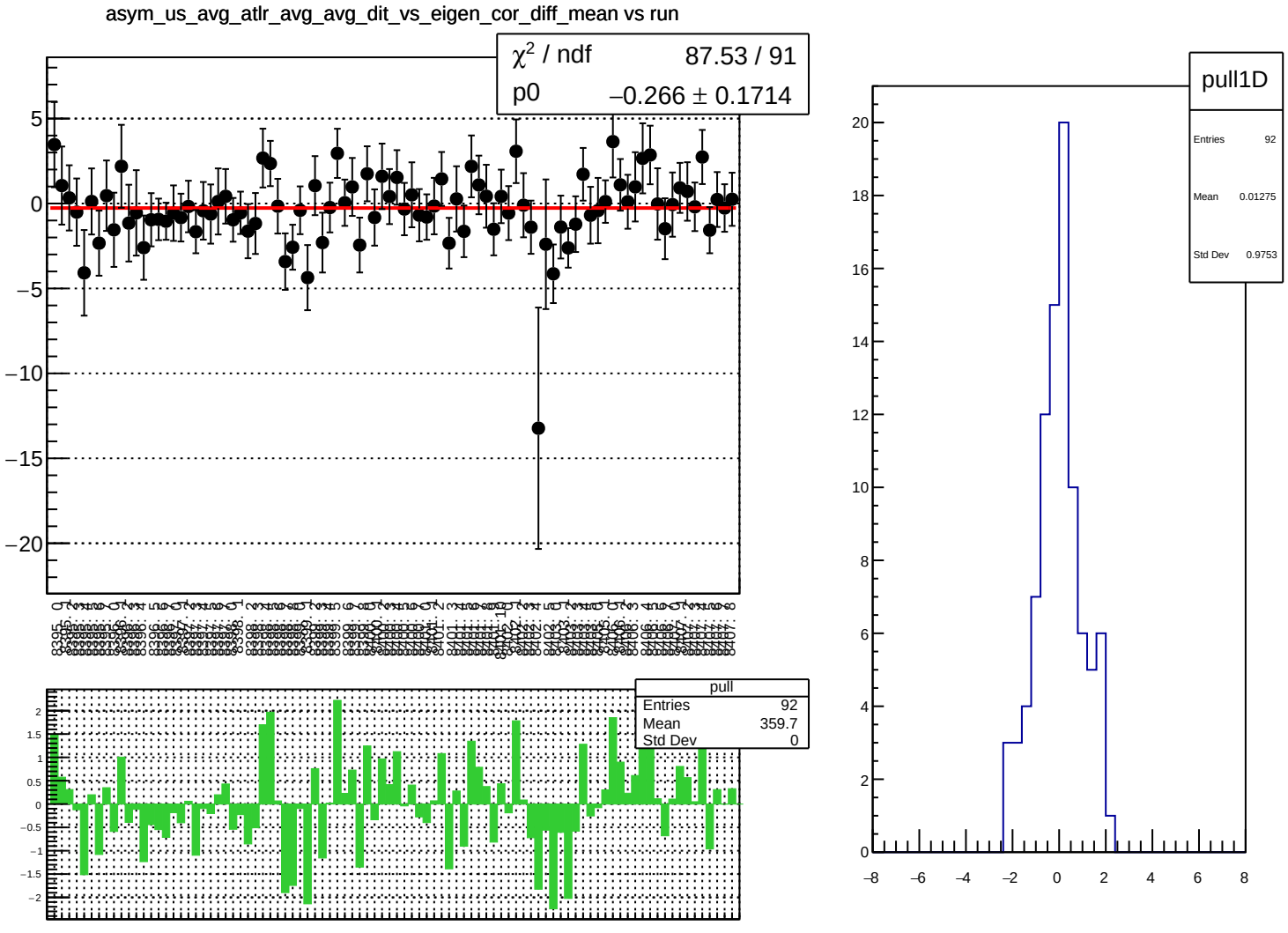

asym_us_avg_atlr_avg_avg_rms vs run
$\chi^2$ / ndf 7978 / 91
p0 7591 ± 5.795
9000
8500
8000
7500
7000

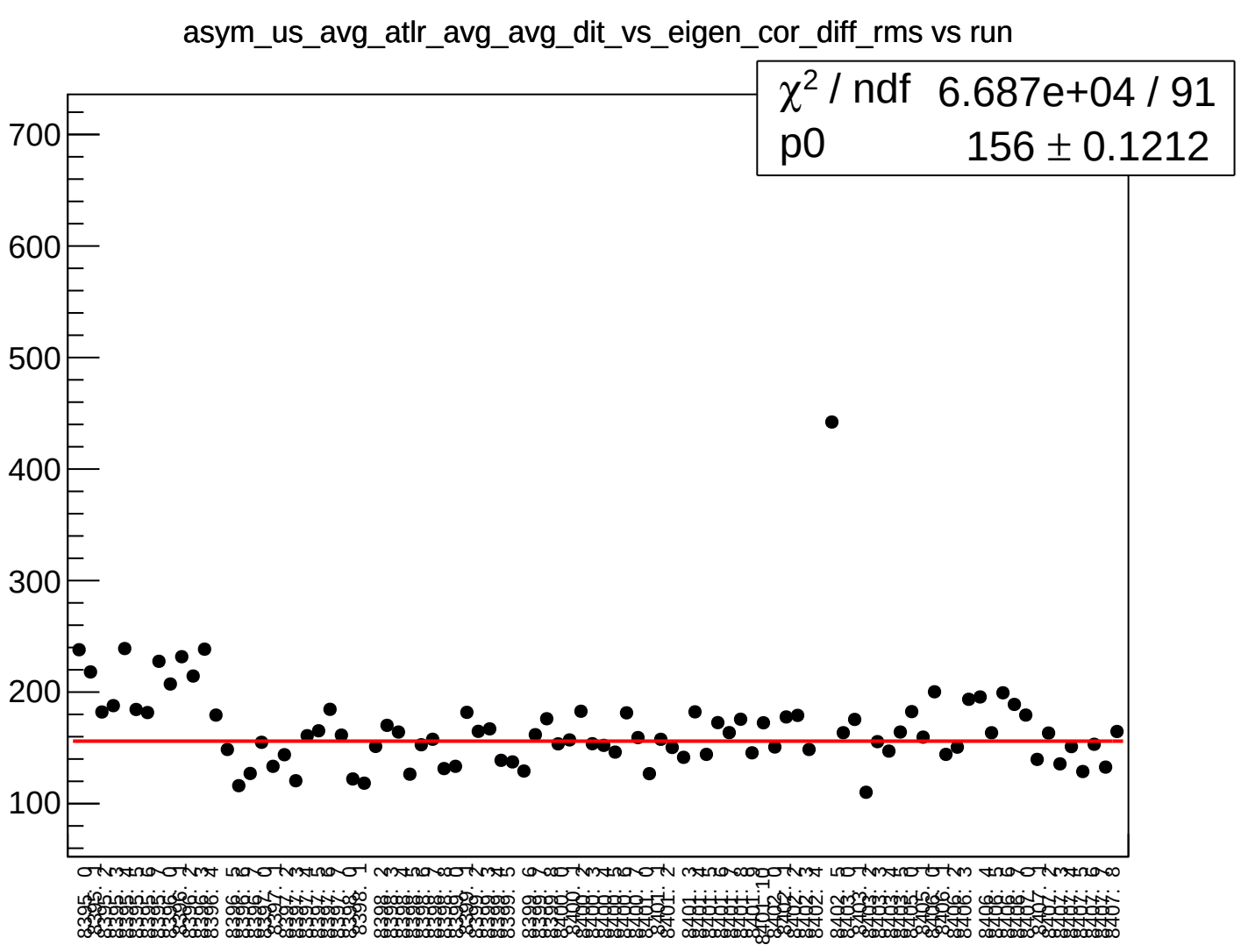

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.55 / 91
p0 4.759e−13 ± 1.082e−12
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 18.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.1376
Std Dev 1.01
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

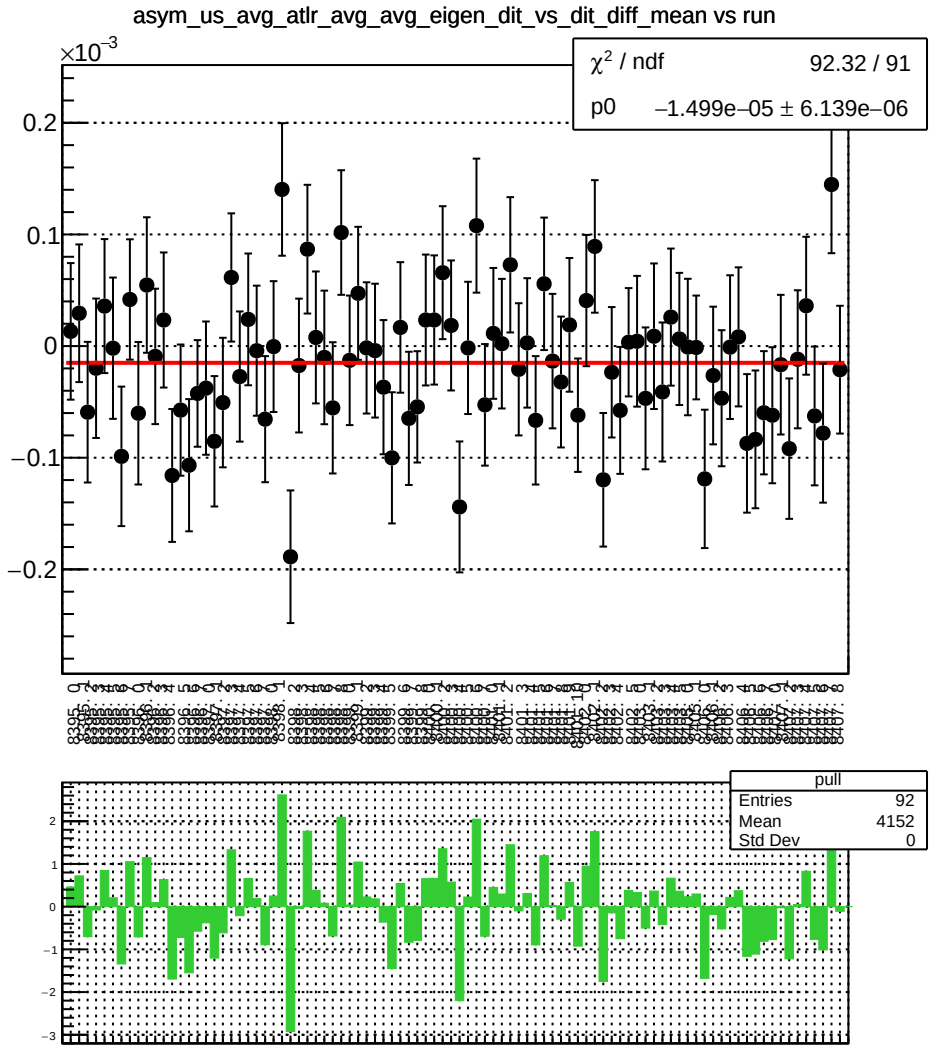

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.093e+05 / 91
p0 6.901e−10 ± 7.648e−13
1.2
1
0.8
0.6
0.4
0.2
0

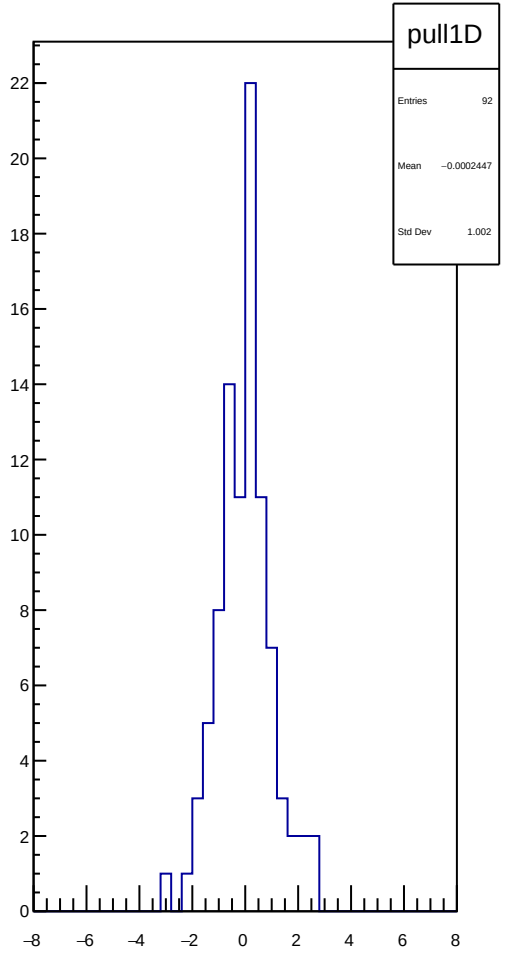

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 87.53 / 91
p0 −0.266 ± 0.1714
pull
Entries 92
Mean 359.7
Std Dev 0
pull1D
Entries 92
Mean 0.01275
Std Dev 0.9753

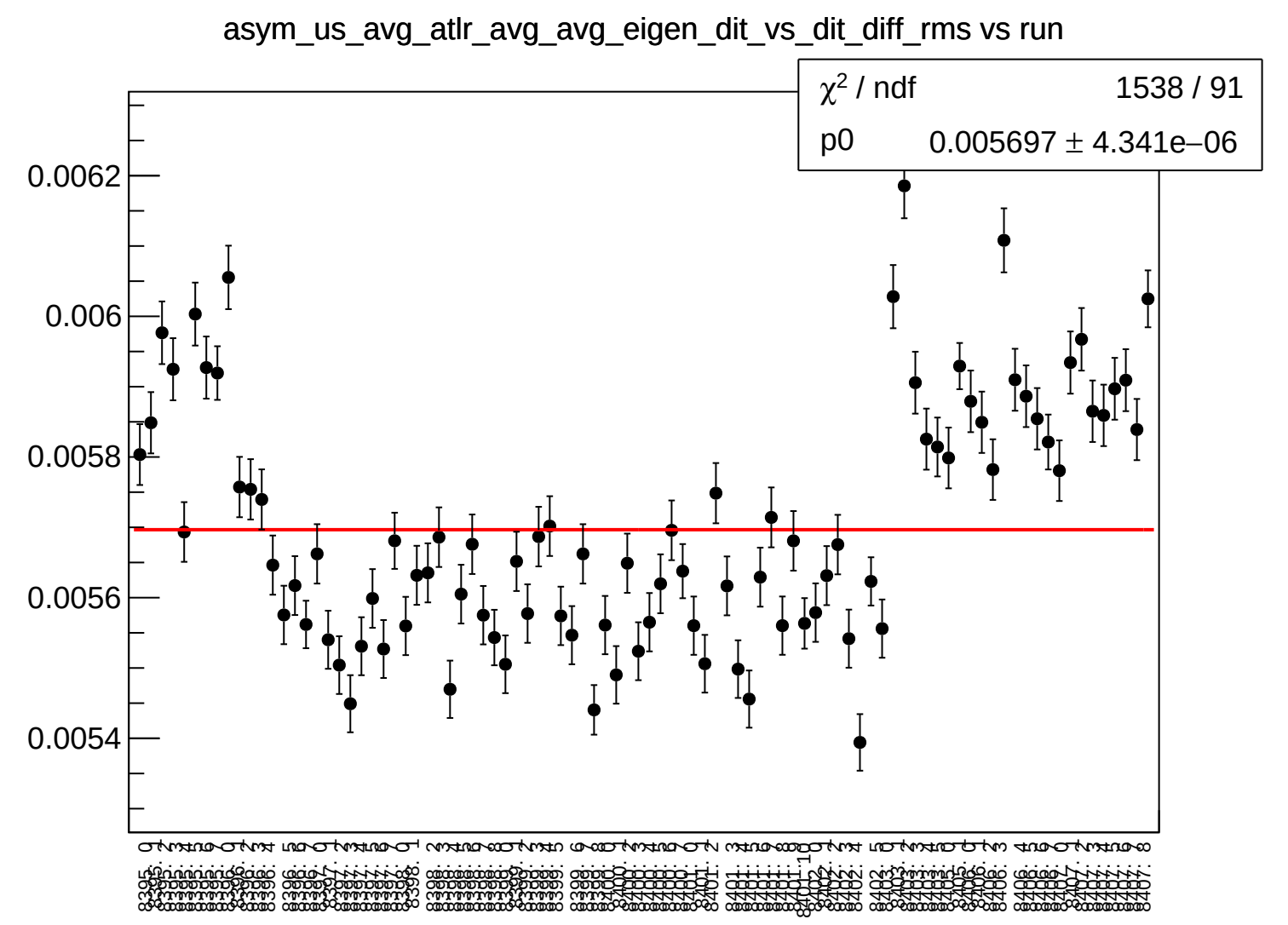

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.687e+04 / 91
p0 156 ± 0.1212
700
600
500
400
300
200
100

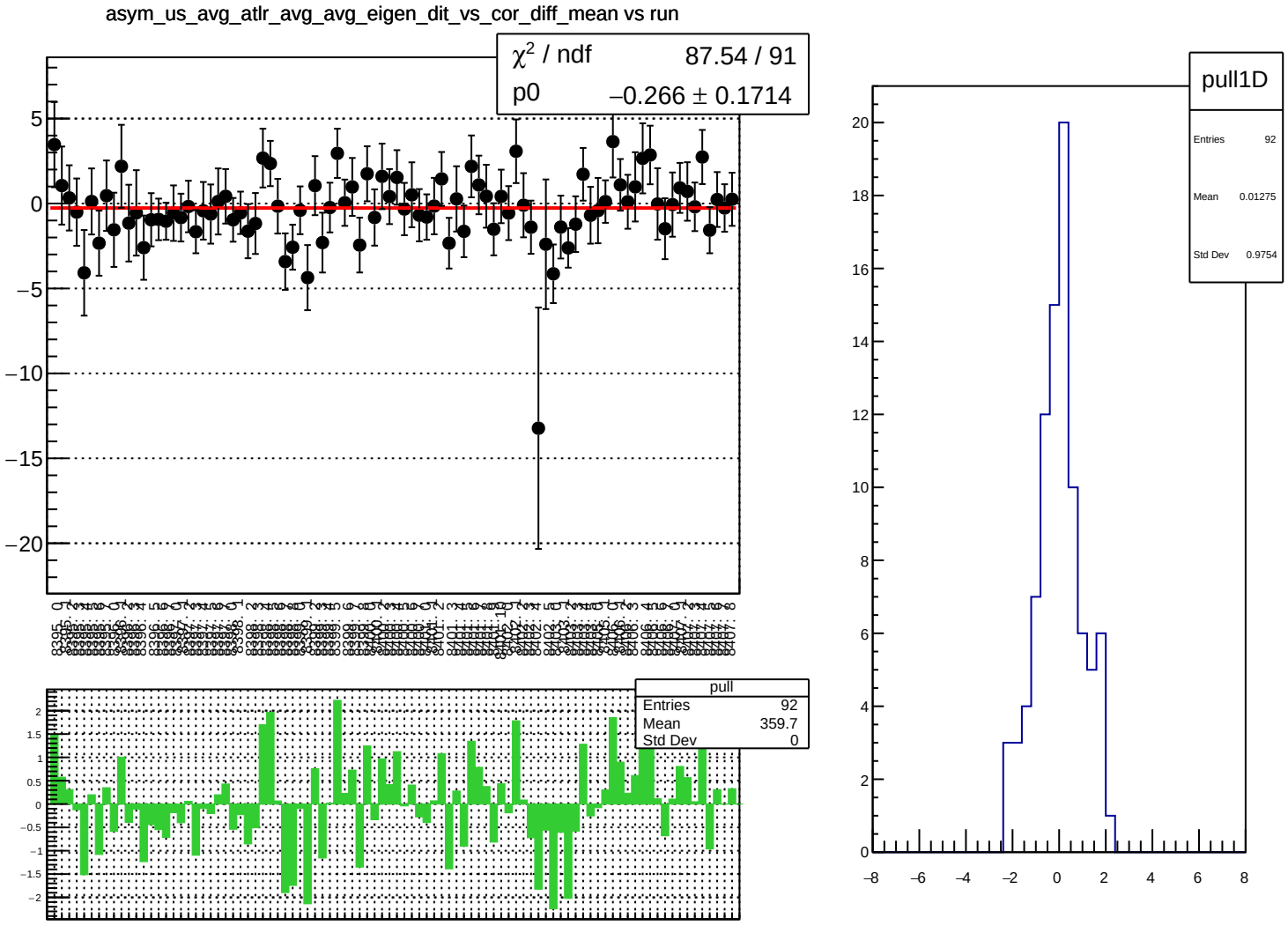

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.53 / 91
p0 −0.266 ± 0.1714
pull
Entries 92
Mean 359.7
Std Dev 0
pull1D
Entries 92
Mean 0.01275
Std Dev 0.9753

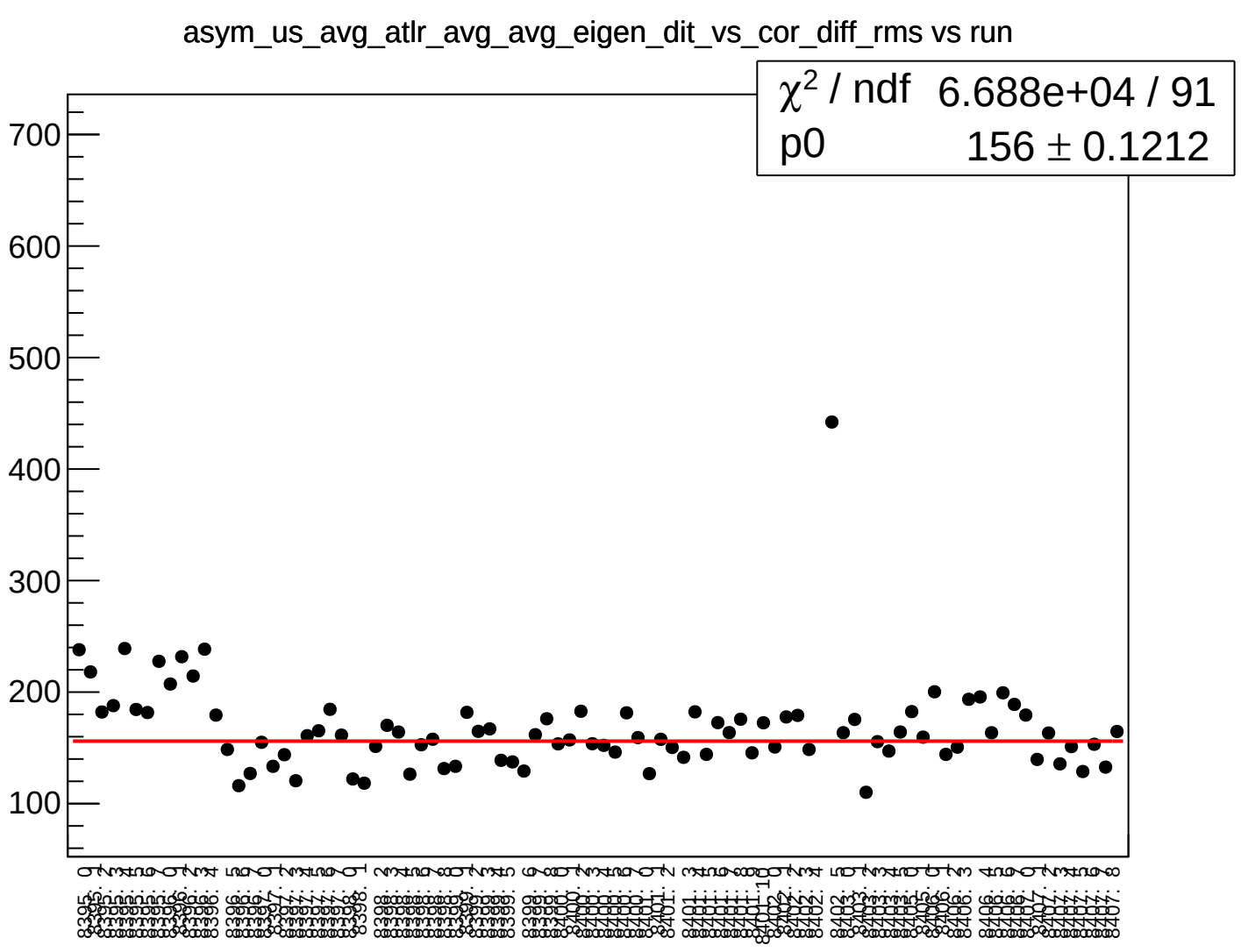

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.687e+04 / 91
p0 156 ± 0.1212
700
600
500
400
300
200
100

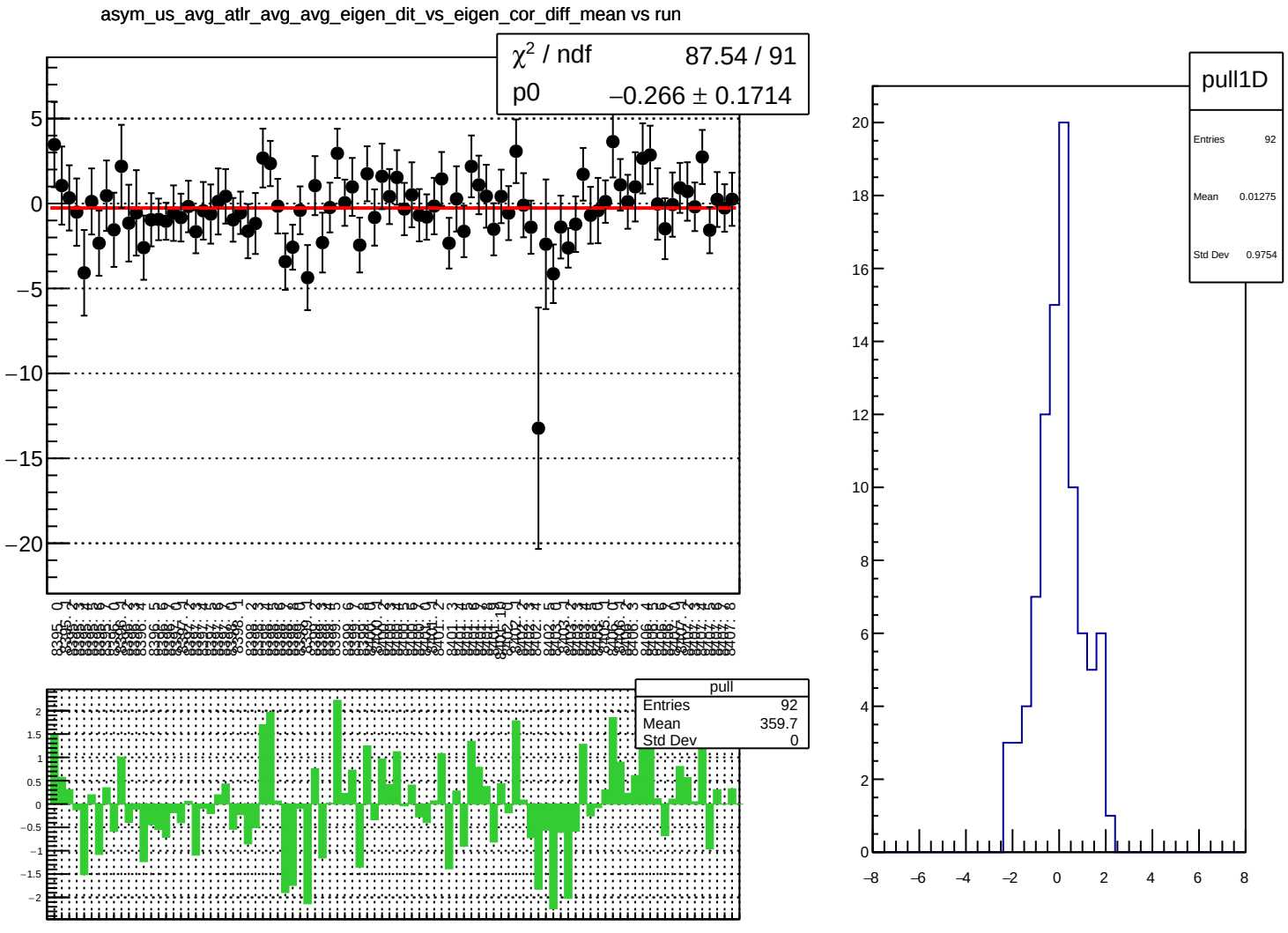

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.32 / 91
p0 −1.499e−05 ± 6.139e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 92
Mean 4152
Std Dev 0
2
1
0
−1
−2
−3

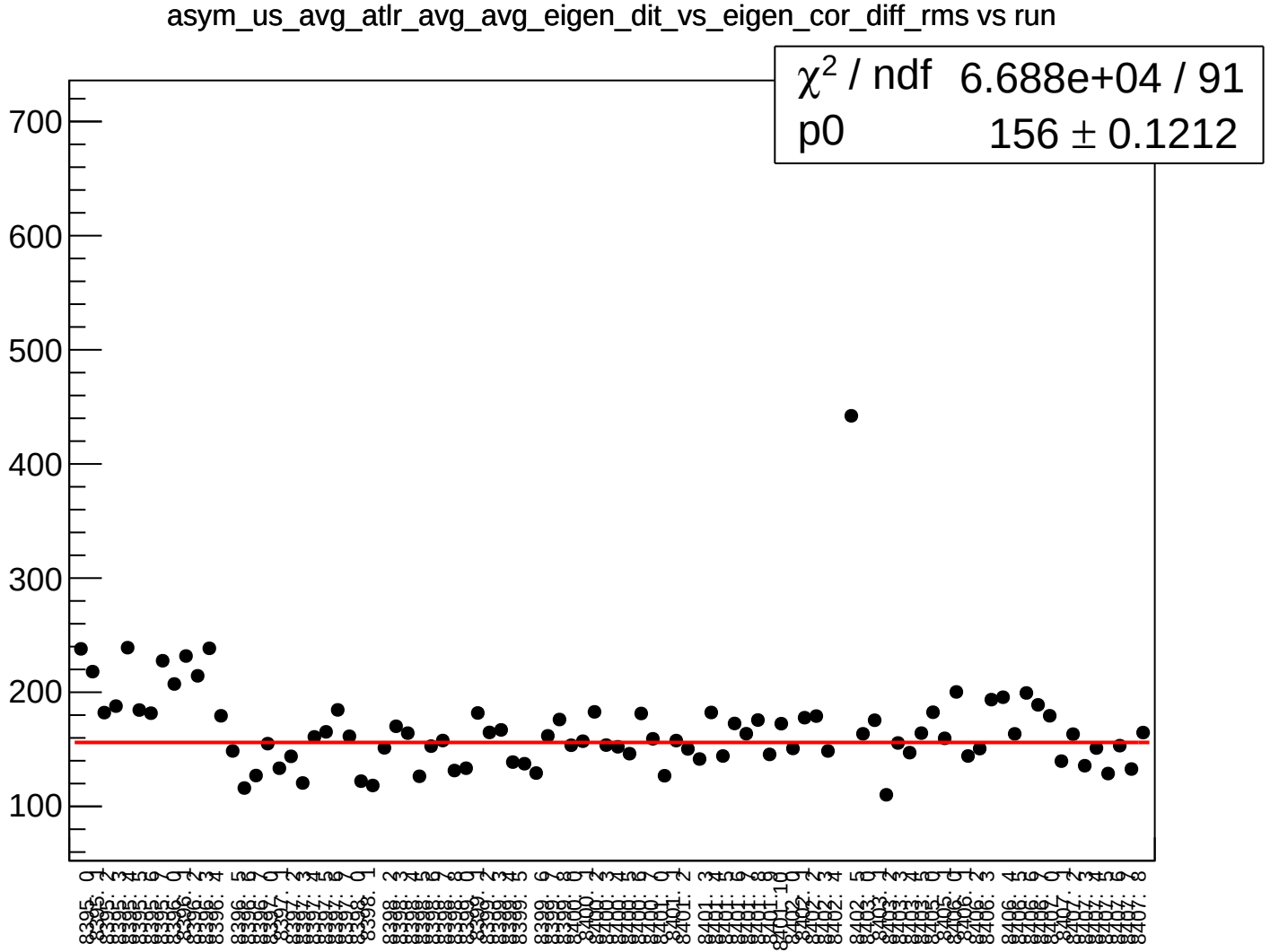

pull1D
Entries 92
Mean −0.0002447
Std Dev 1.002
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

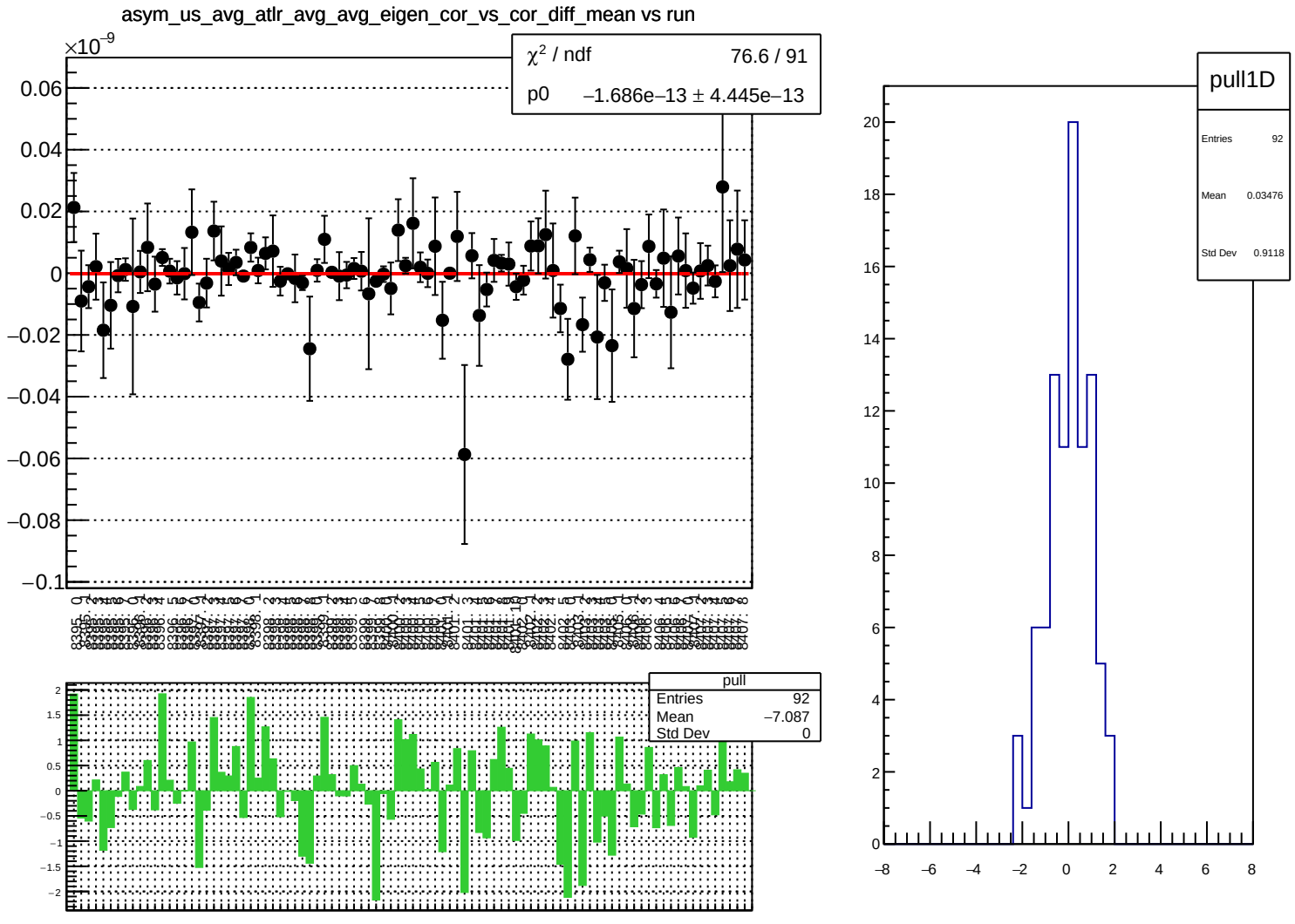

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1538 / 91
p0 0.005697 ± 4.341e−06
0.0062
0.006
0.0058
0.0056
0.0054

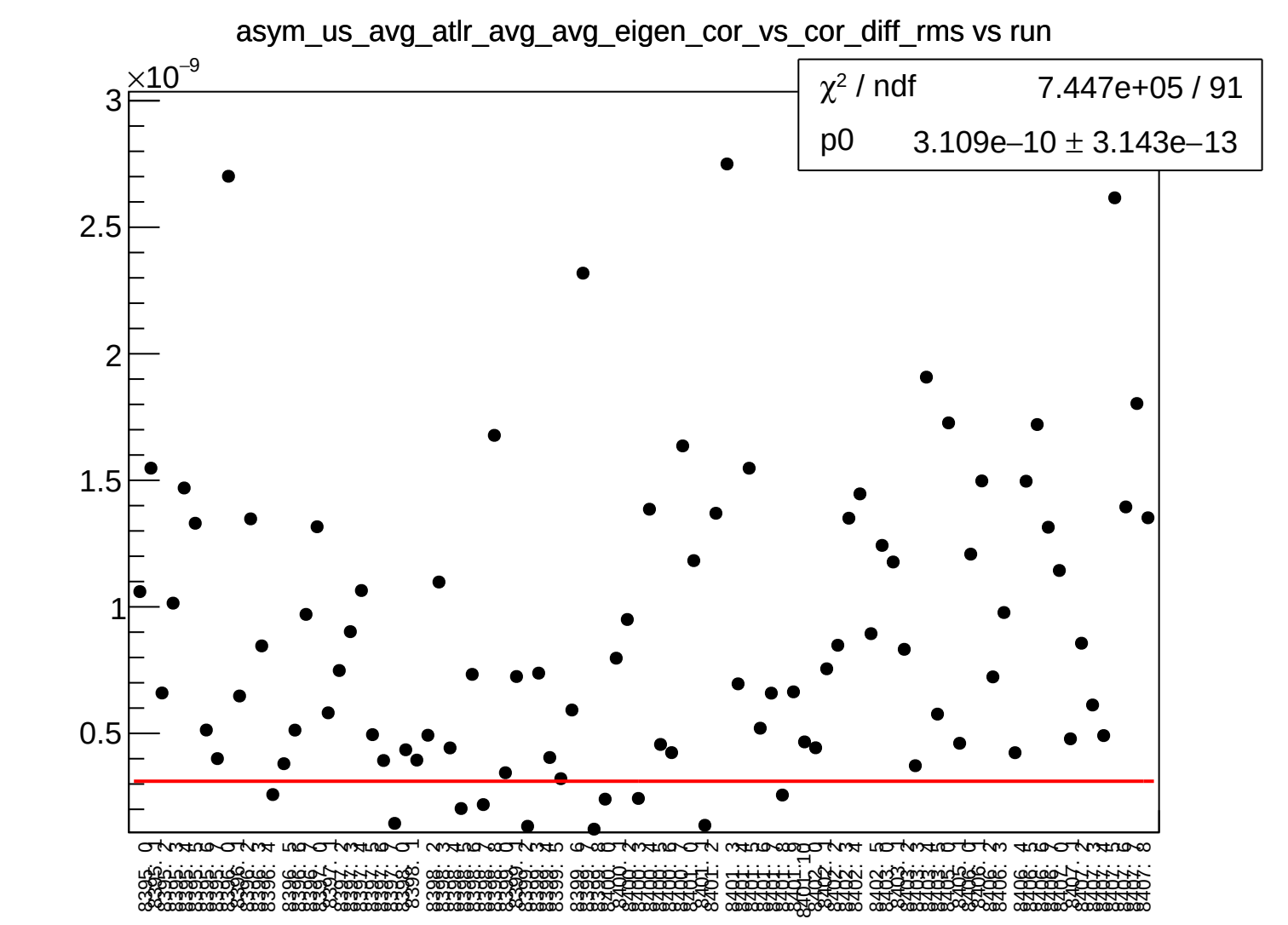

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.54 / 91
p0 −0.266 ± 0.1714
pull
Entries 92
Mean 359.7
Std Dev 0
pull1D
Entries 92
Mean 0.01275
Std Dev 0.9754

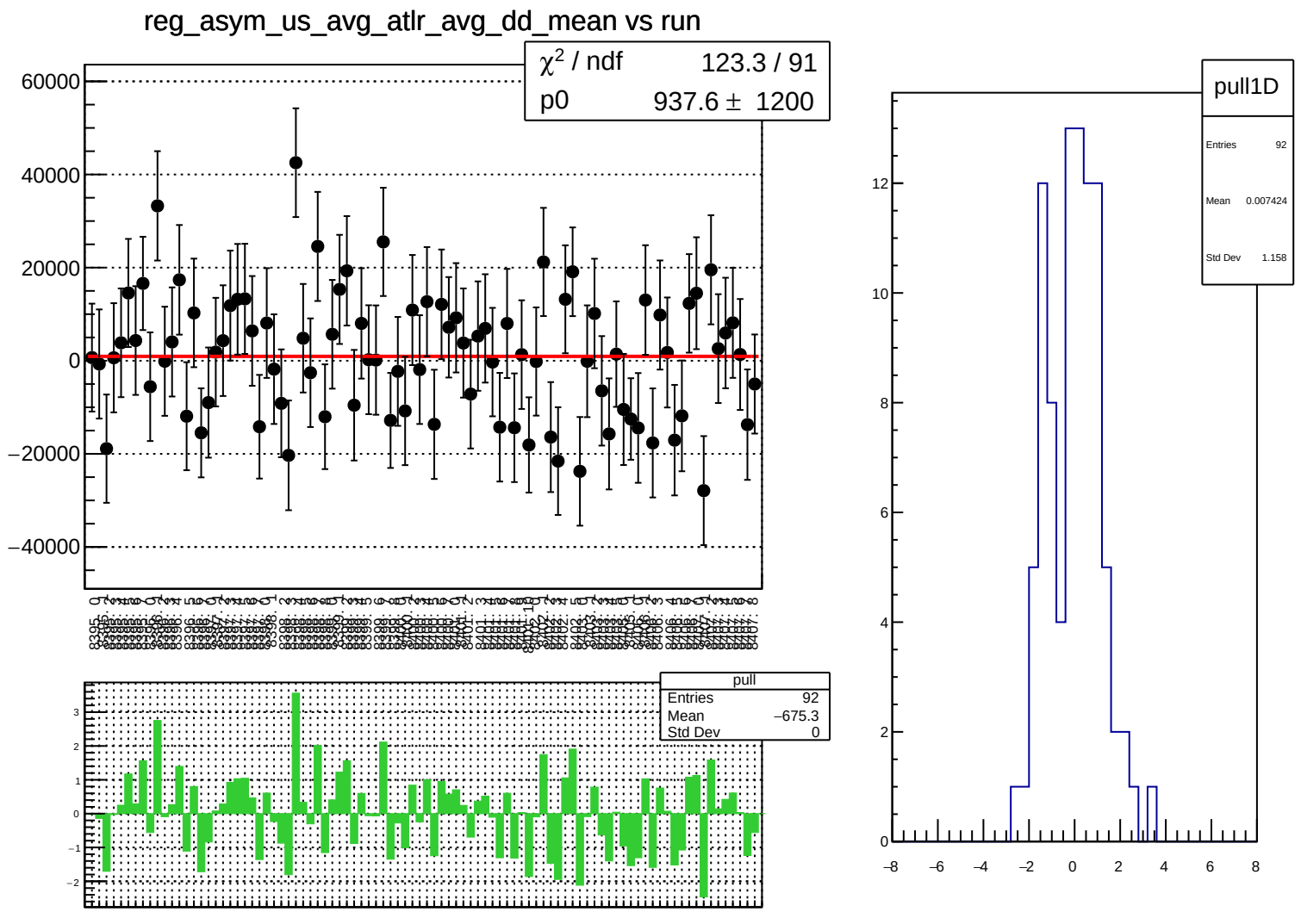

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.688e+04 / 91
p0 156 ± 0.1212
700
600
500
400
300
200
100

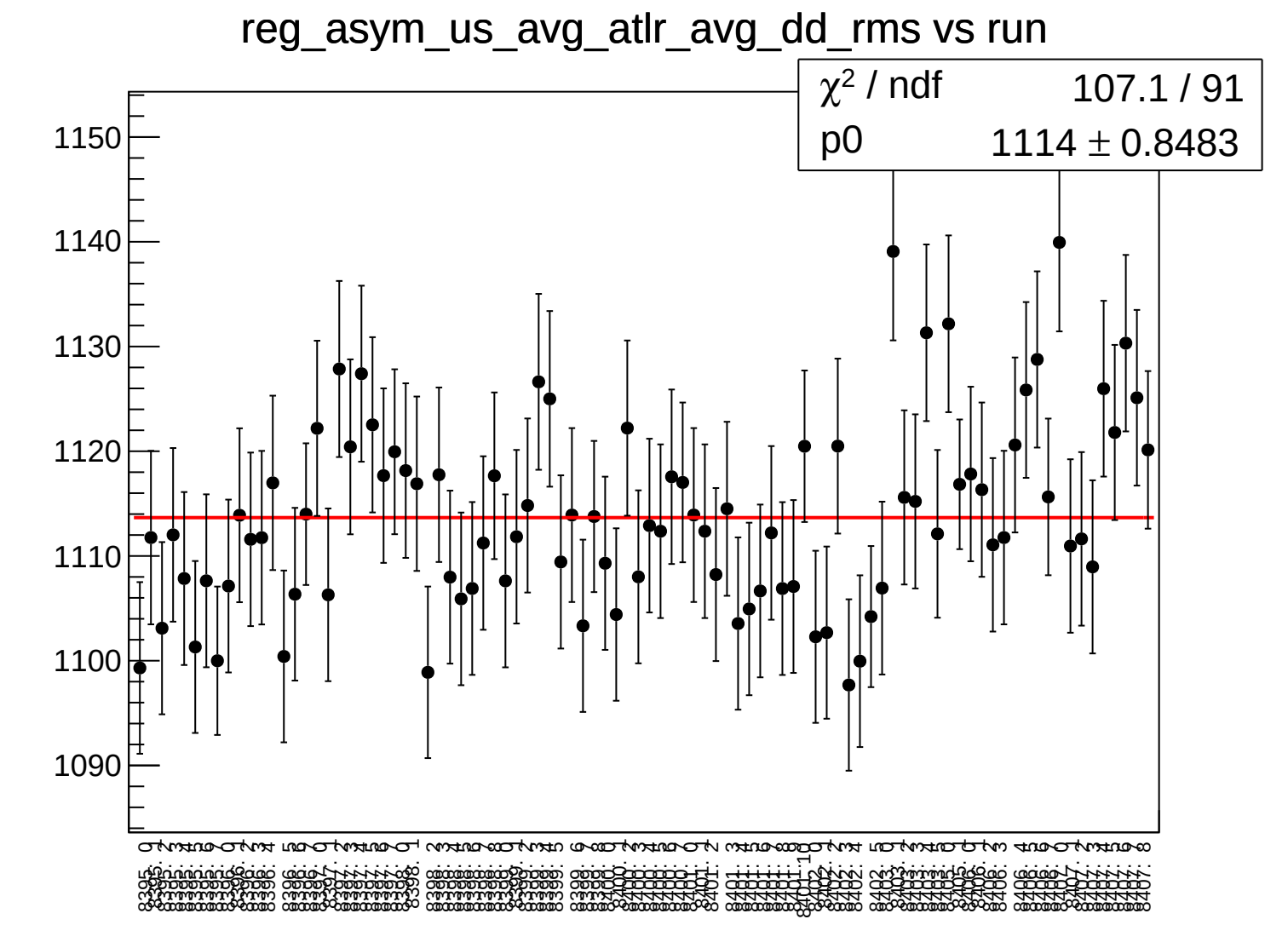

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.54 / 91
p0 −0.266 ± 0.1714
pull
Entries 92
Mean 359.7
Std Dev 0
pull1D
Entries 92
Mean 0.01275
Std Dev 0.9754

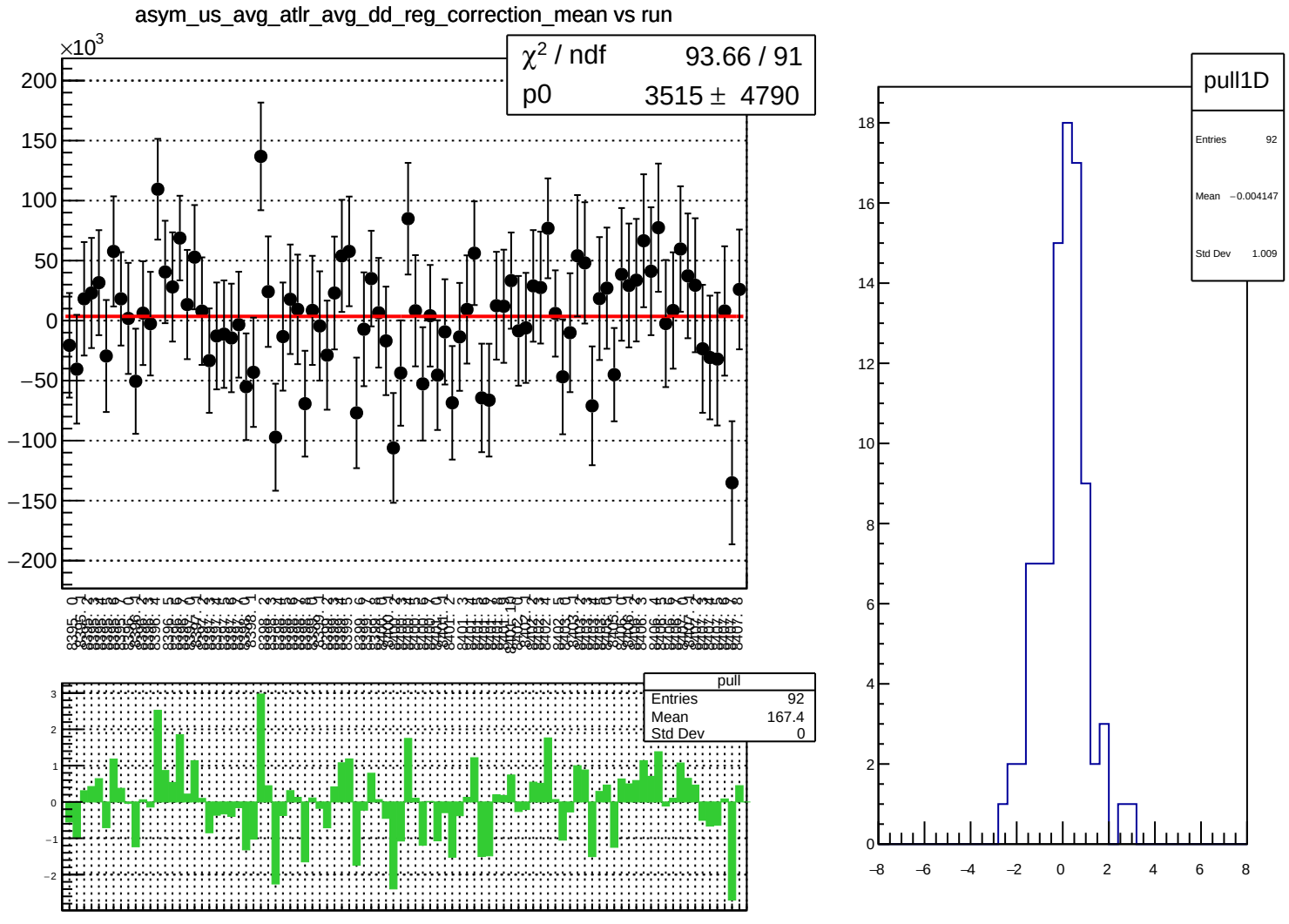

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.688e+04 / 91
p0 156 ± 0.1212
700
600
500
400
300
200
100

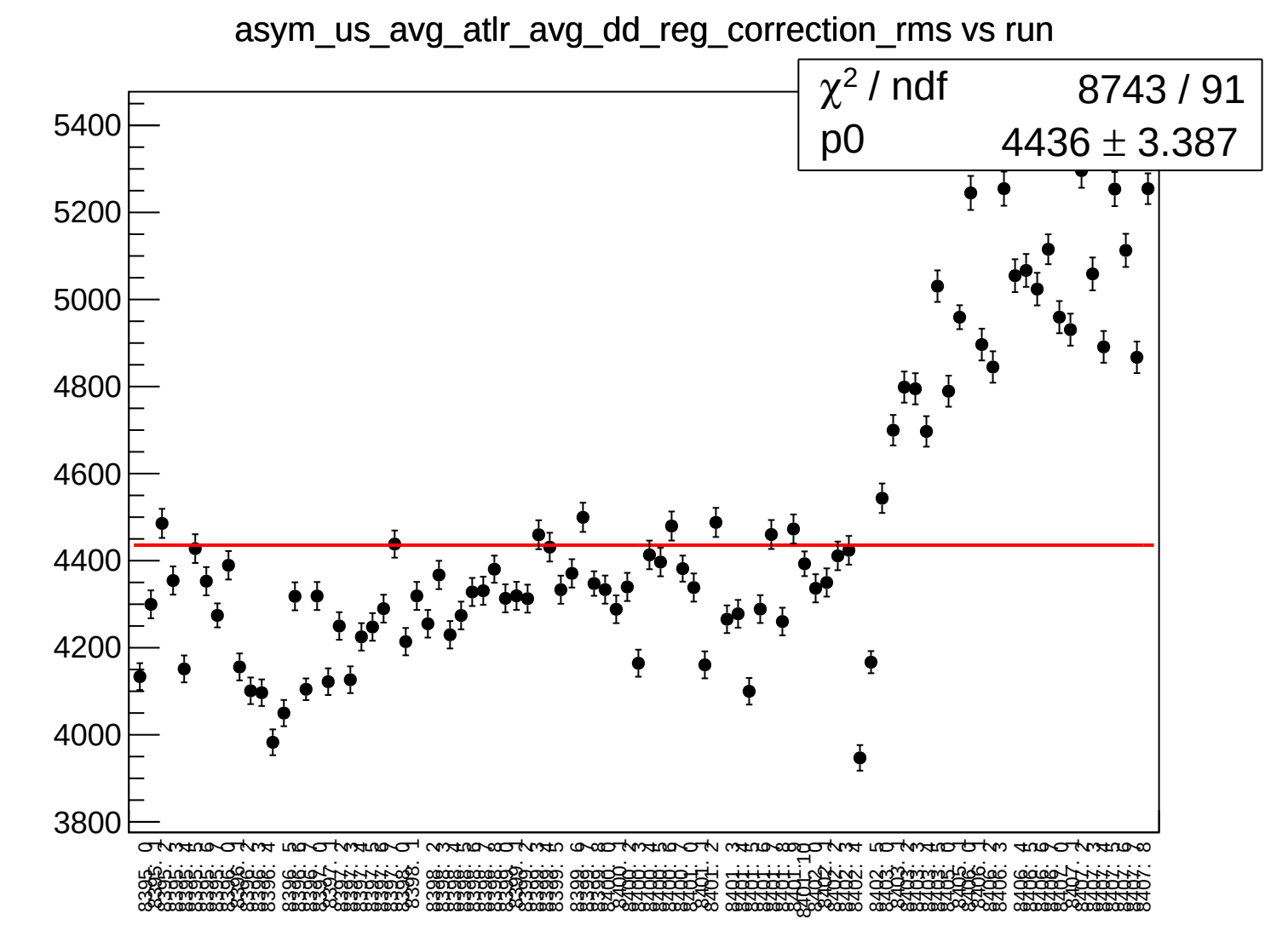

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 76.6 / 91
p0 −1.686e−13 ± 4.445e−13
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 92
Mean −7.087
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.03476
Std Dev 0.9118
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

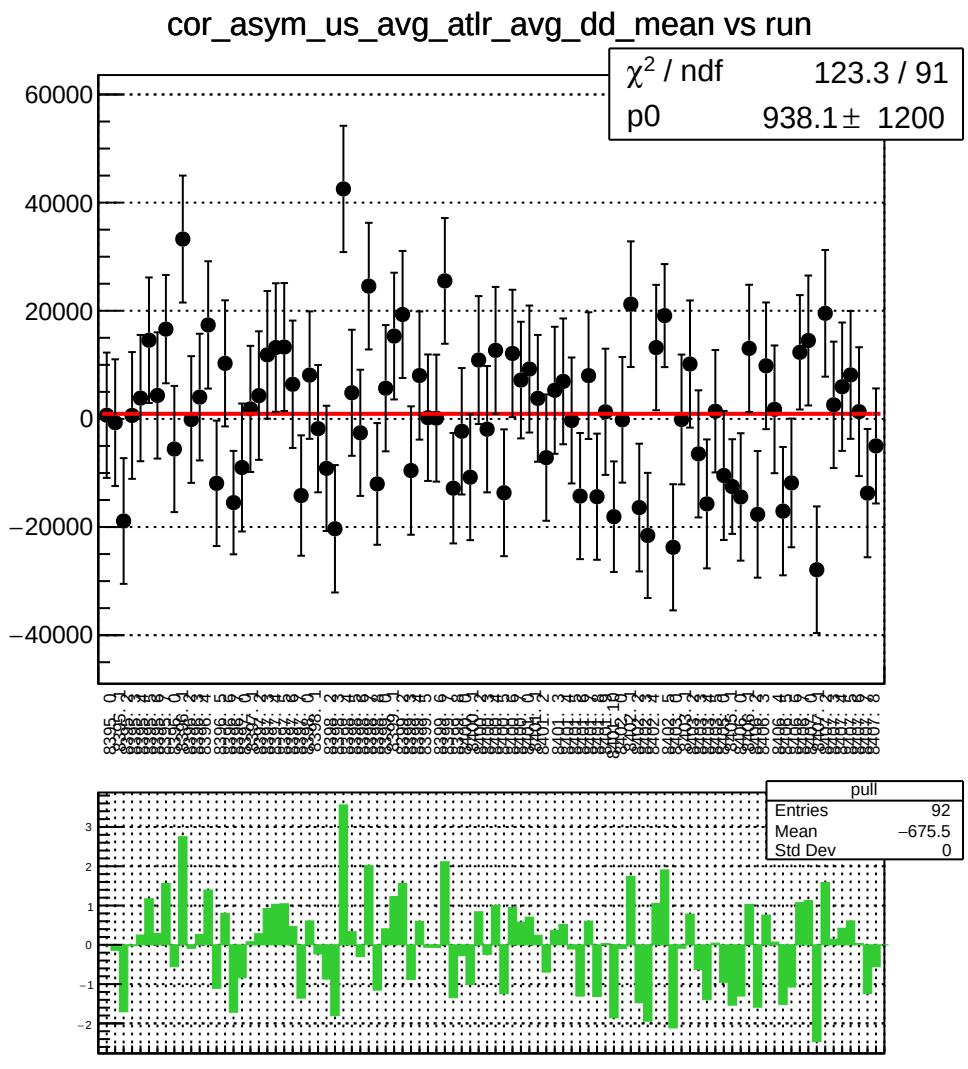

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
3
2.5
2
1.5
1
0.5
χ² / ndf 7.447e+05 / 91
p0 3.109e−10 ± 3.143e−13

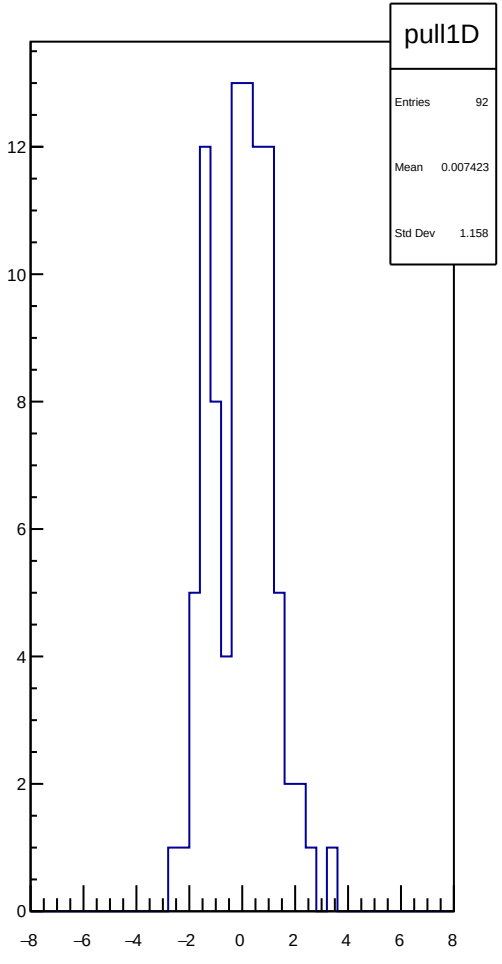

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 123.3 / 91
p0 937.6 ± 1200
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −675.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.007424
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

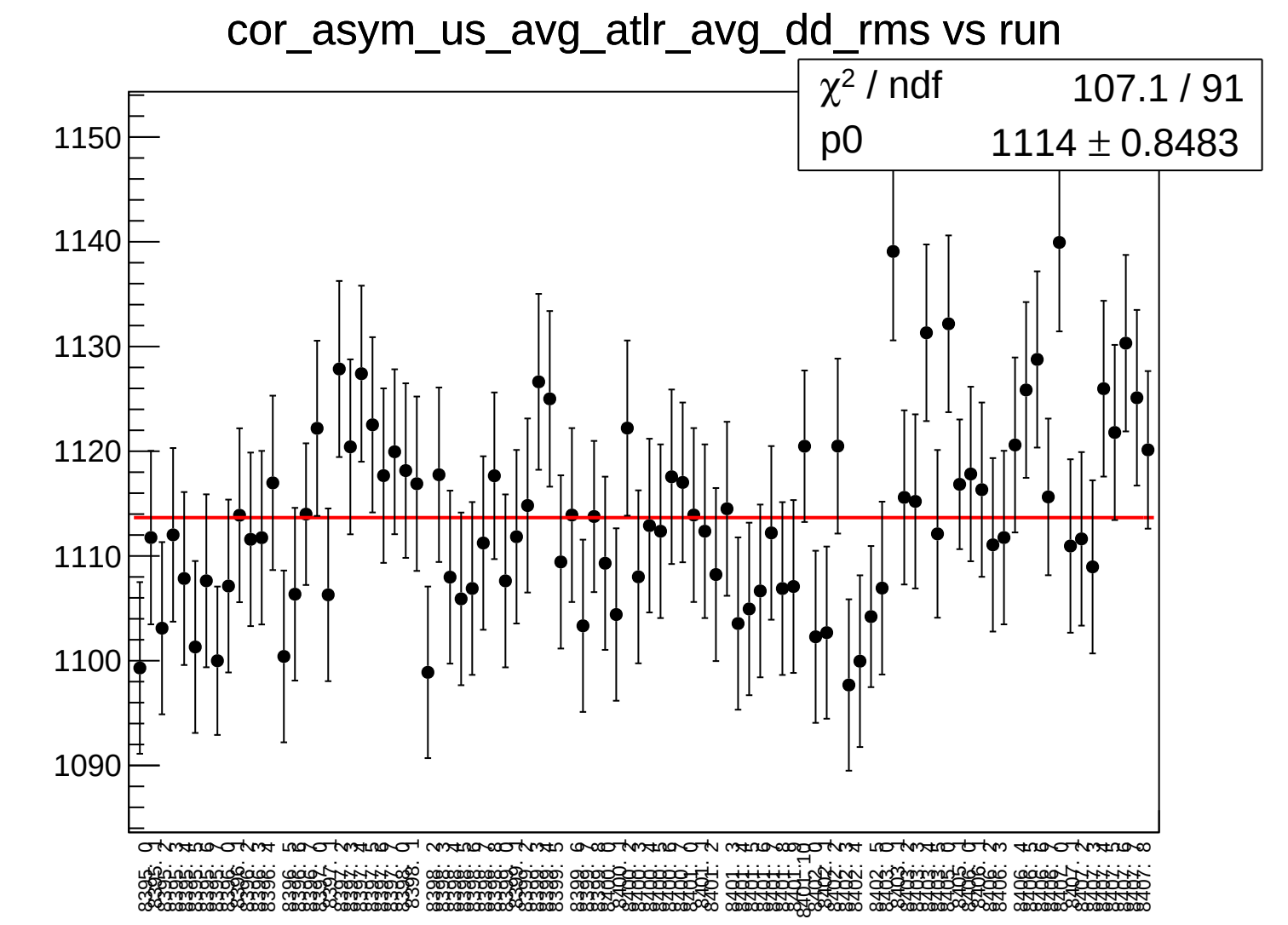

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 107.1 / 91
p0 1114 ± 0.8483
1150
1140
1130
1120
1110
1100
1090

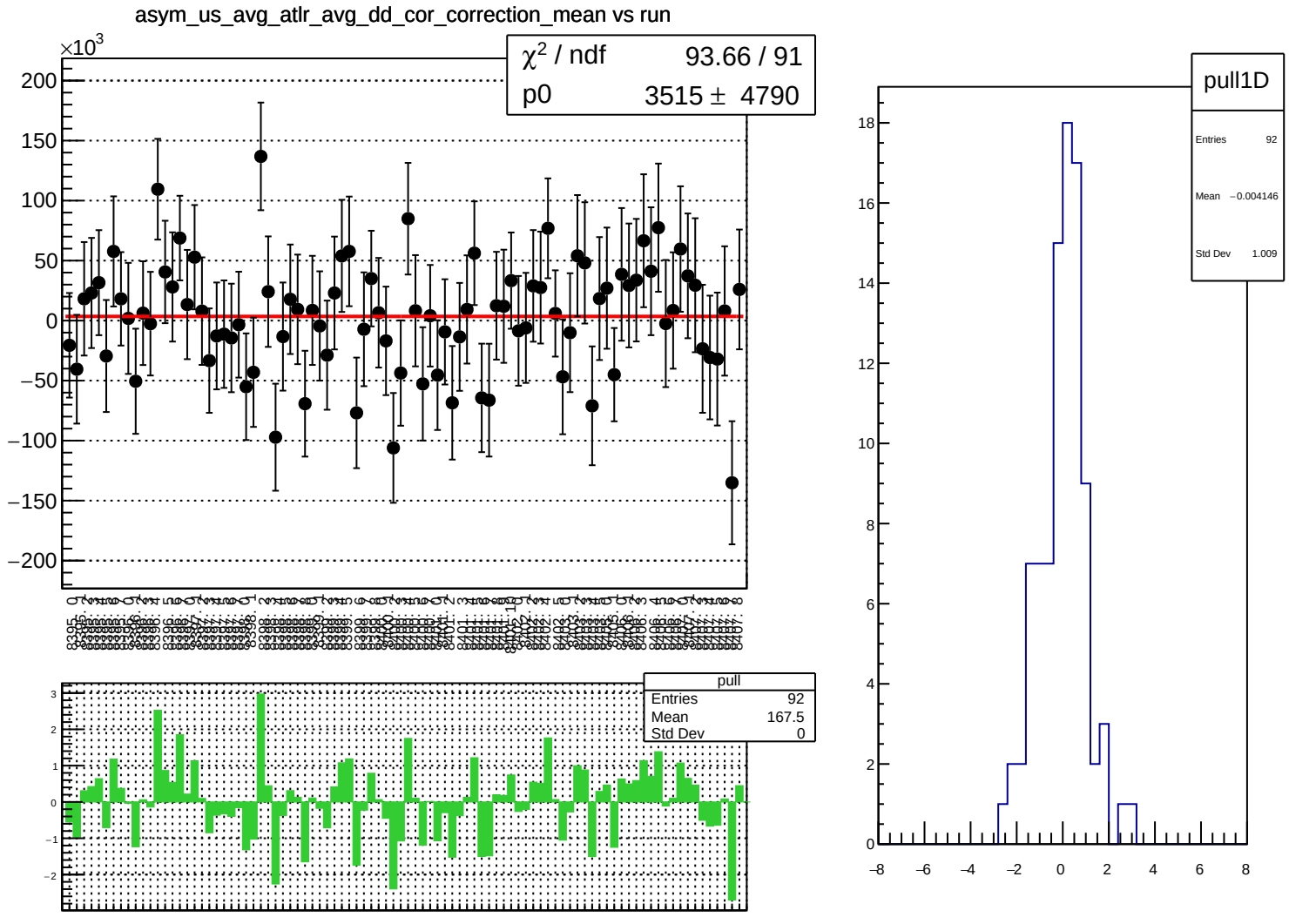

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 93.66 / 91
p0 3515 ± 4790
pull
Entries 92
Mean 167.4
Std Dev 0
pull1D
Entries 92
Mean −0.004147
Std Dev 1.009

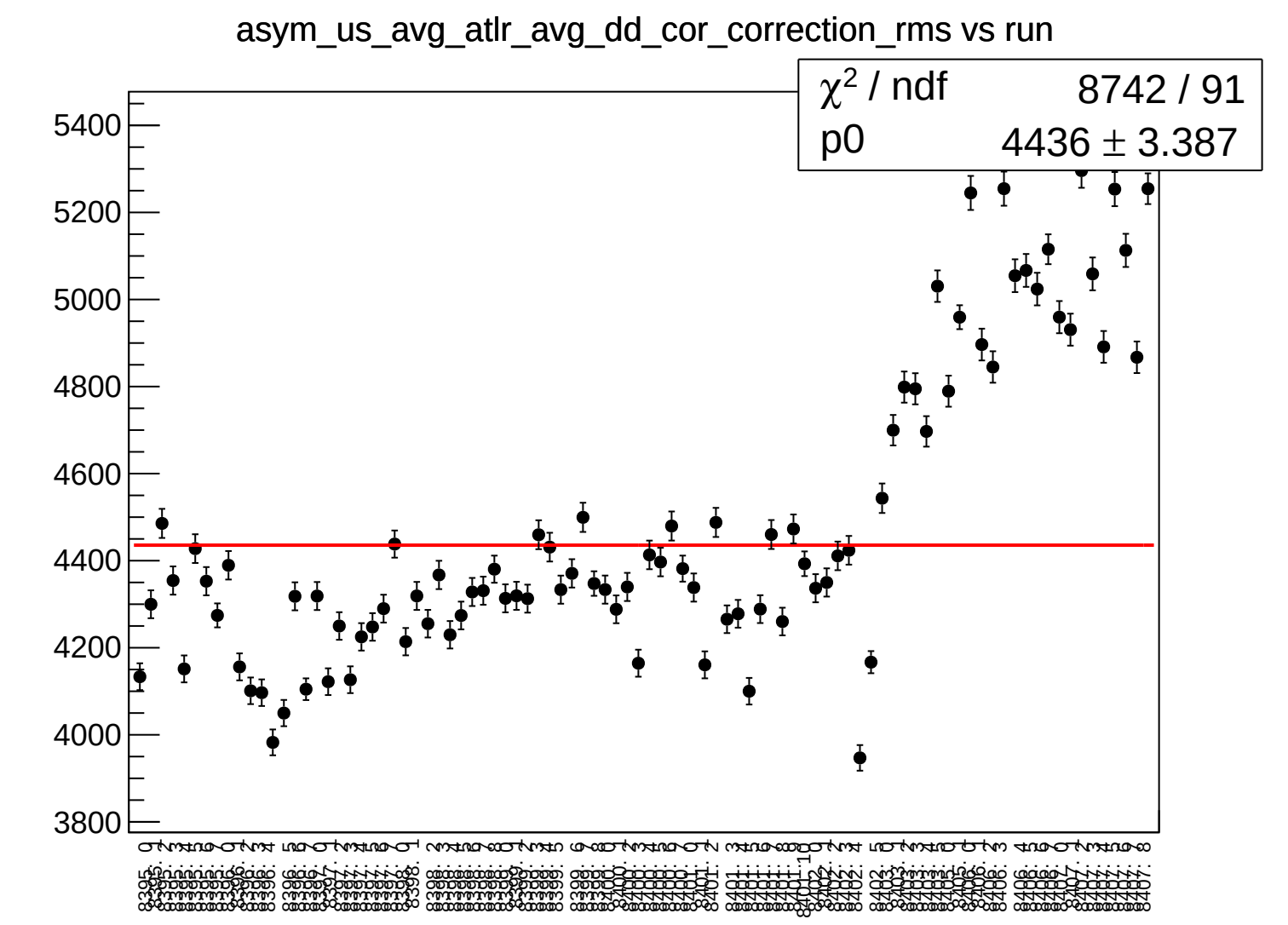

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 8743 / 91
p0 4436 ± 3.387
5400
5200
5000
4800
4600
4400
4200
4000
3800

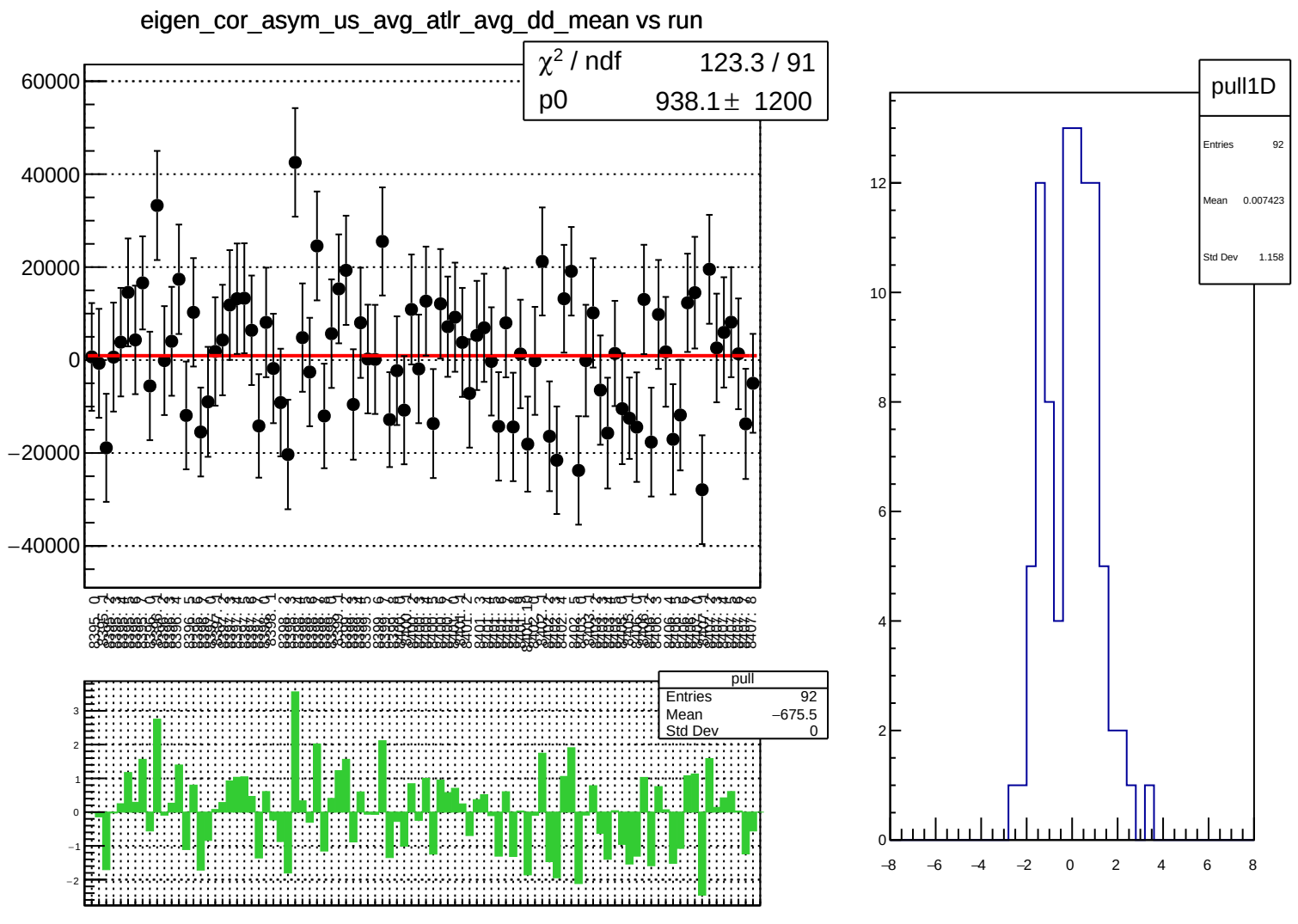

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 123.3 / 91
p0 938.1 ± 1200
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −675.5
Std Dev 0
3
2
1
0
−1
−2

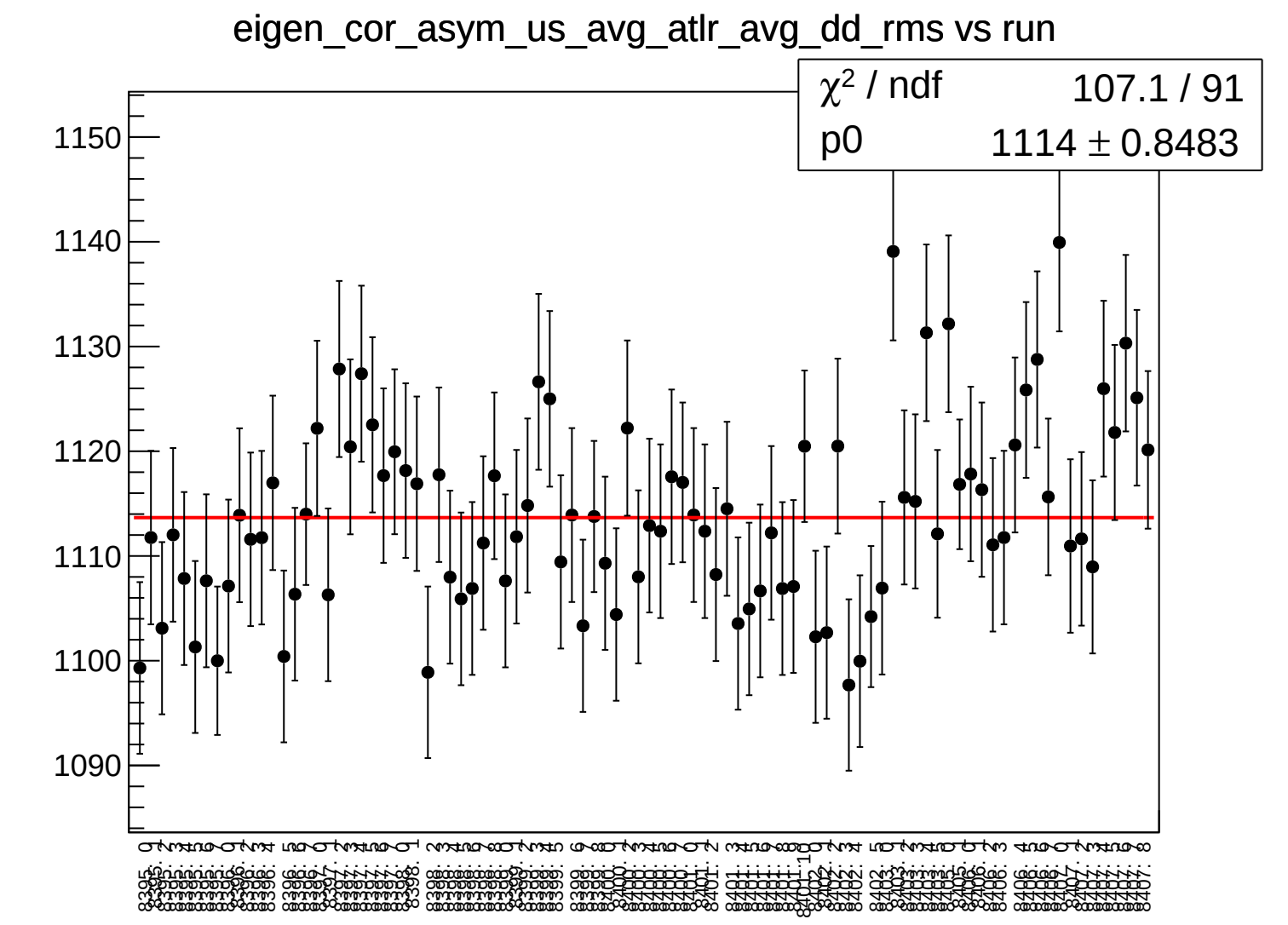

pull1D
Entries 92
Mean 0.007423
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

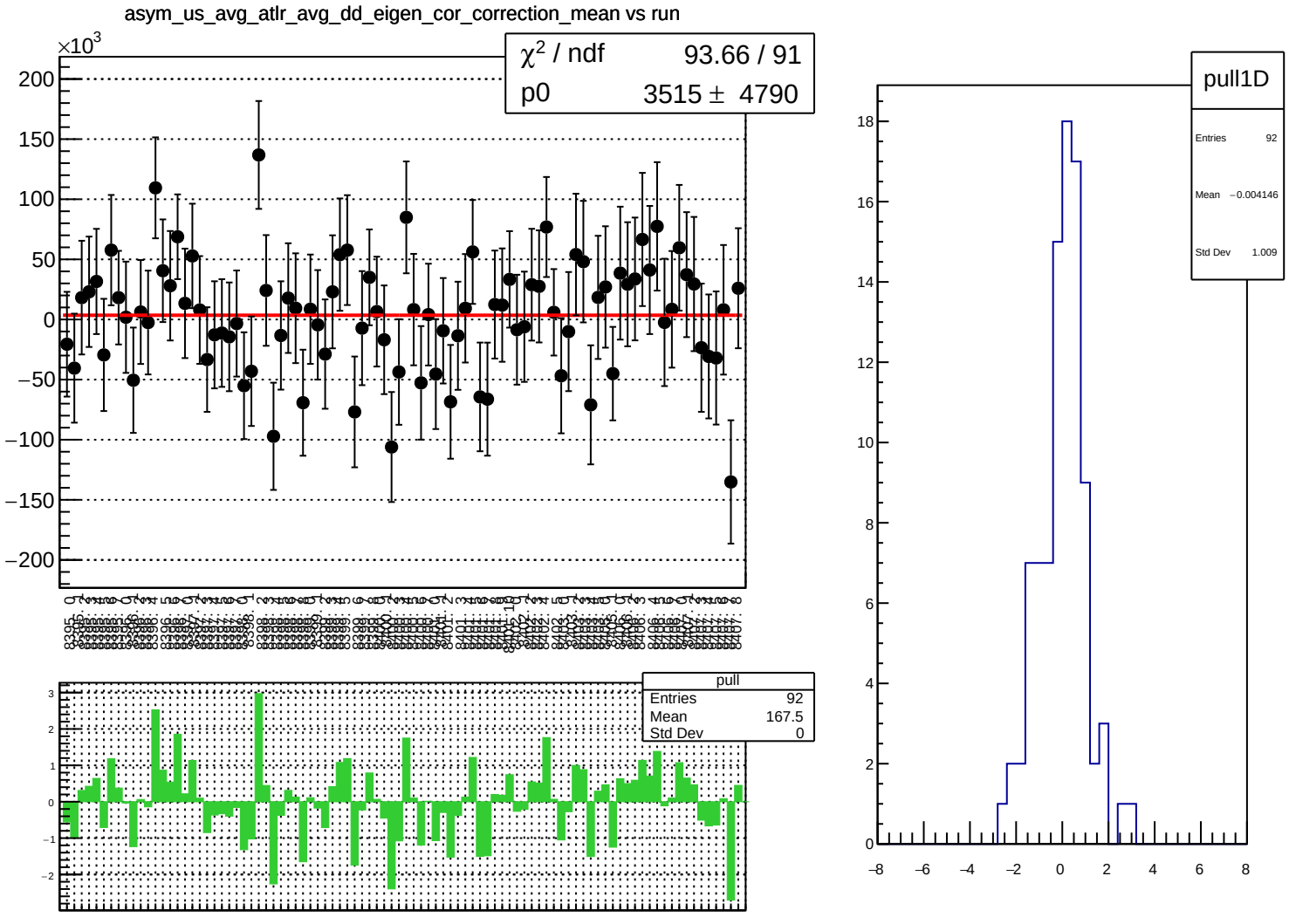

cor_asym_us_avg_atlr_avg_dd_rms vs run
$\chi^2$ / ndf 107.1 / 91
p0 1114 ± 0.8483
1150
1140
1130
1120
1110
1100
1090

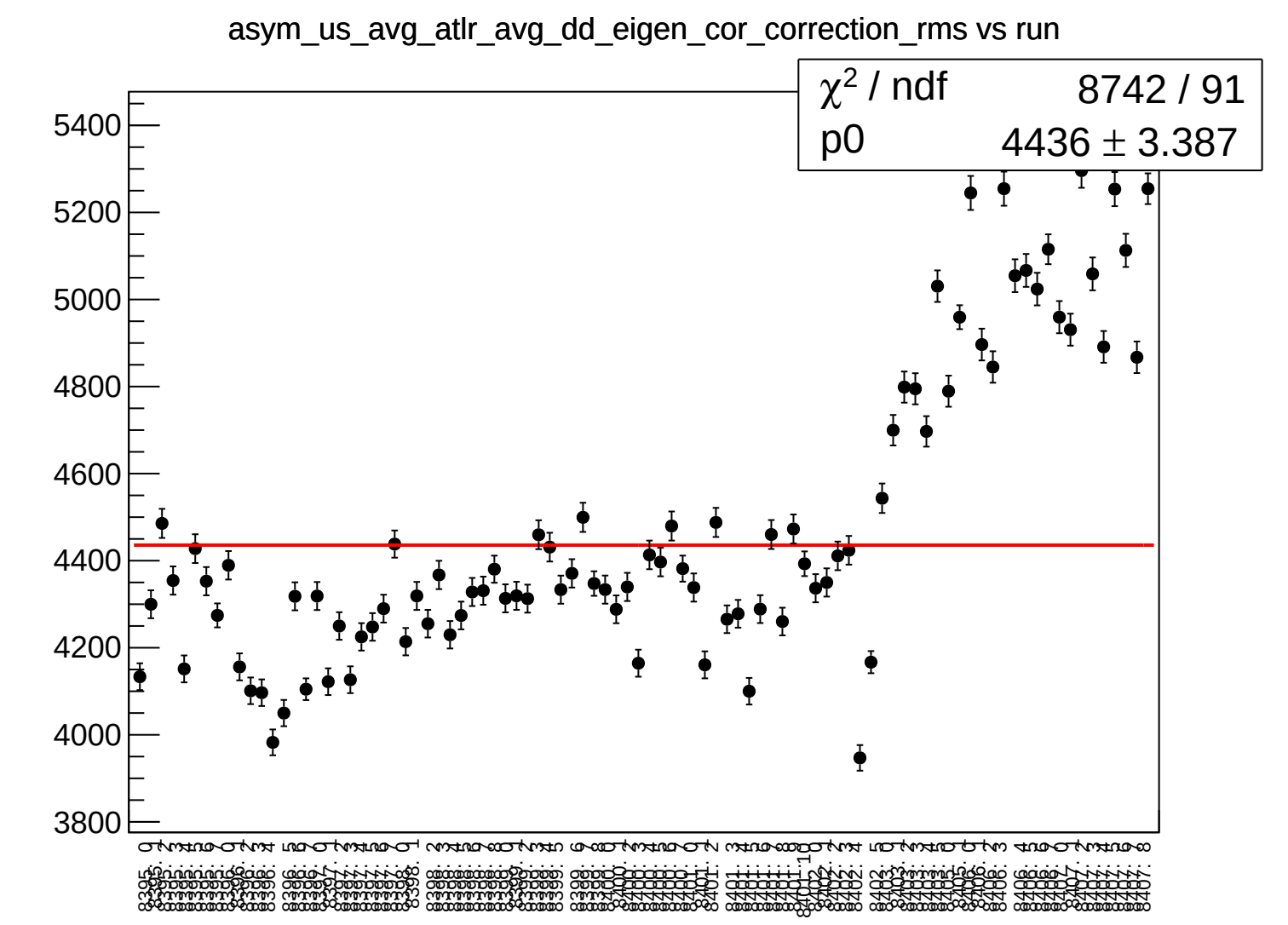

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.66 / 91
p0 3515 ± 4790
pull
Entries 92
Mean 167.5
Std Dev 0
pull1D
Entries 92
Mean −0.004146
Std Dev 1.009

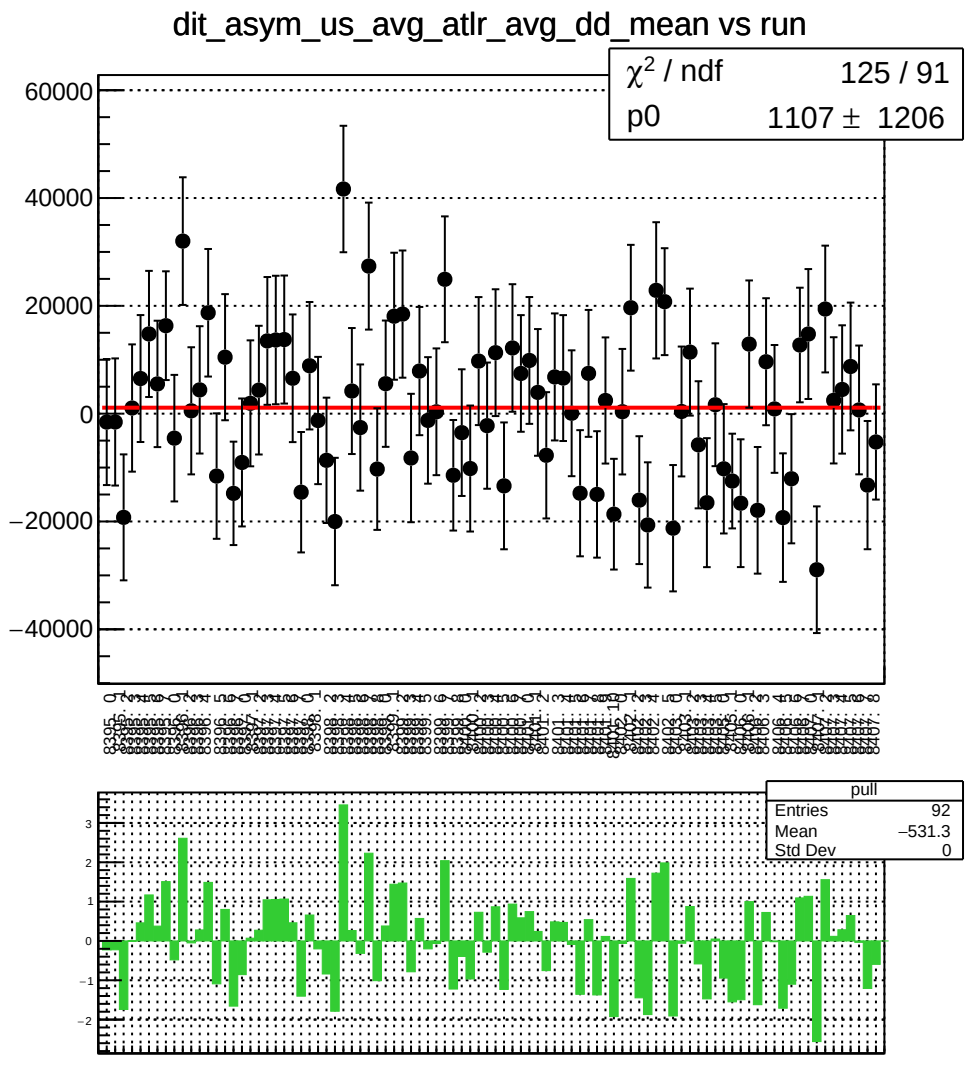

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
$\chi^2$ / ndf 8742 / 91
p0 4436 ± 3.387
5400
5200
5000
4800
4600
4400
4200
4000
3800

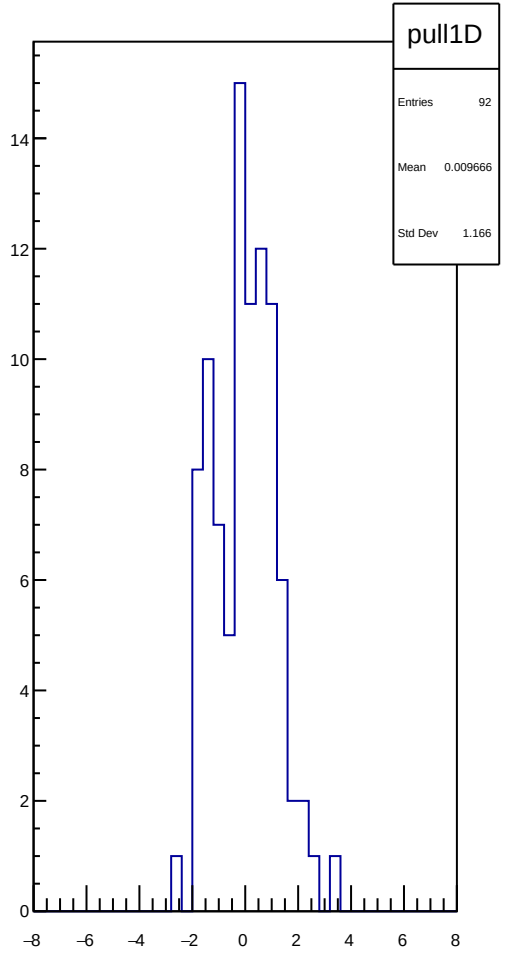

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 123.3 / 91
p0 938.1 ± 1200
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −675.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.007423
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

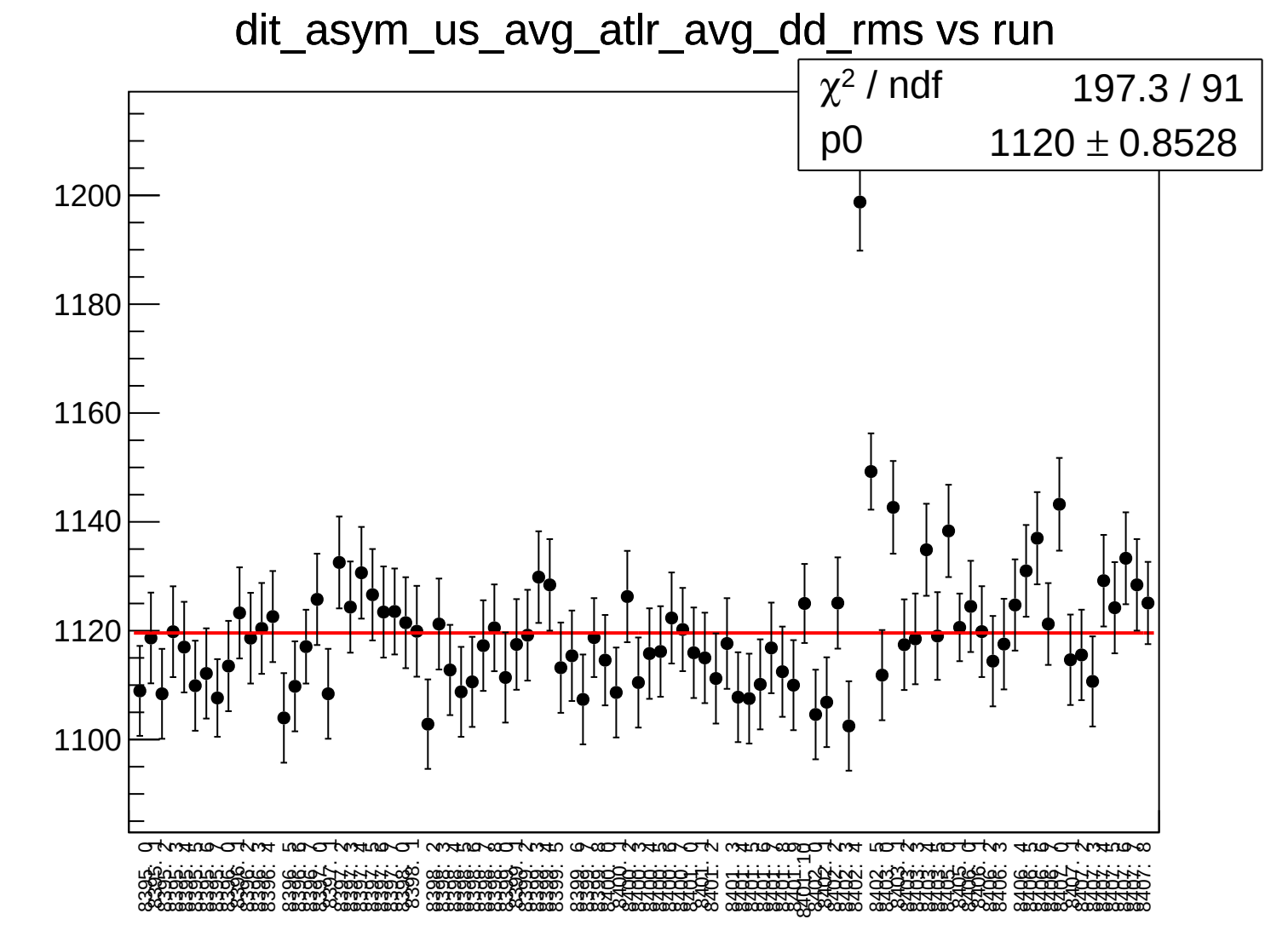

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 107.1 / 91
p0 1114 ± 0.8483
1150
1140
1130
1120
1110
1100
1090

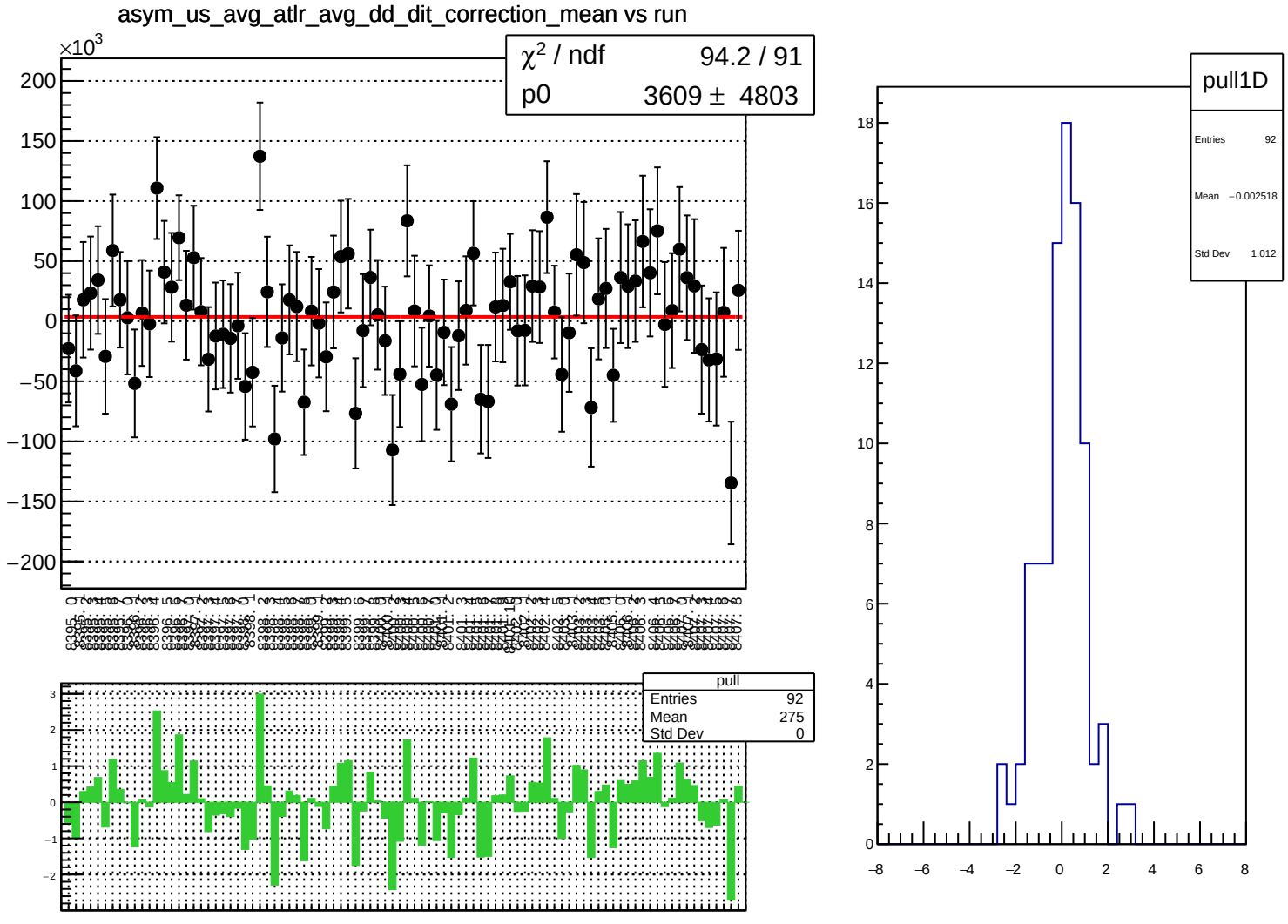

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.66 / 91
p0 3515 ± 4790
pull
Entries 92
Mean 167.5
Std Dev 0
pull1D
Entries 92
Mean −0.004146
Std Dev 1.009

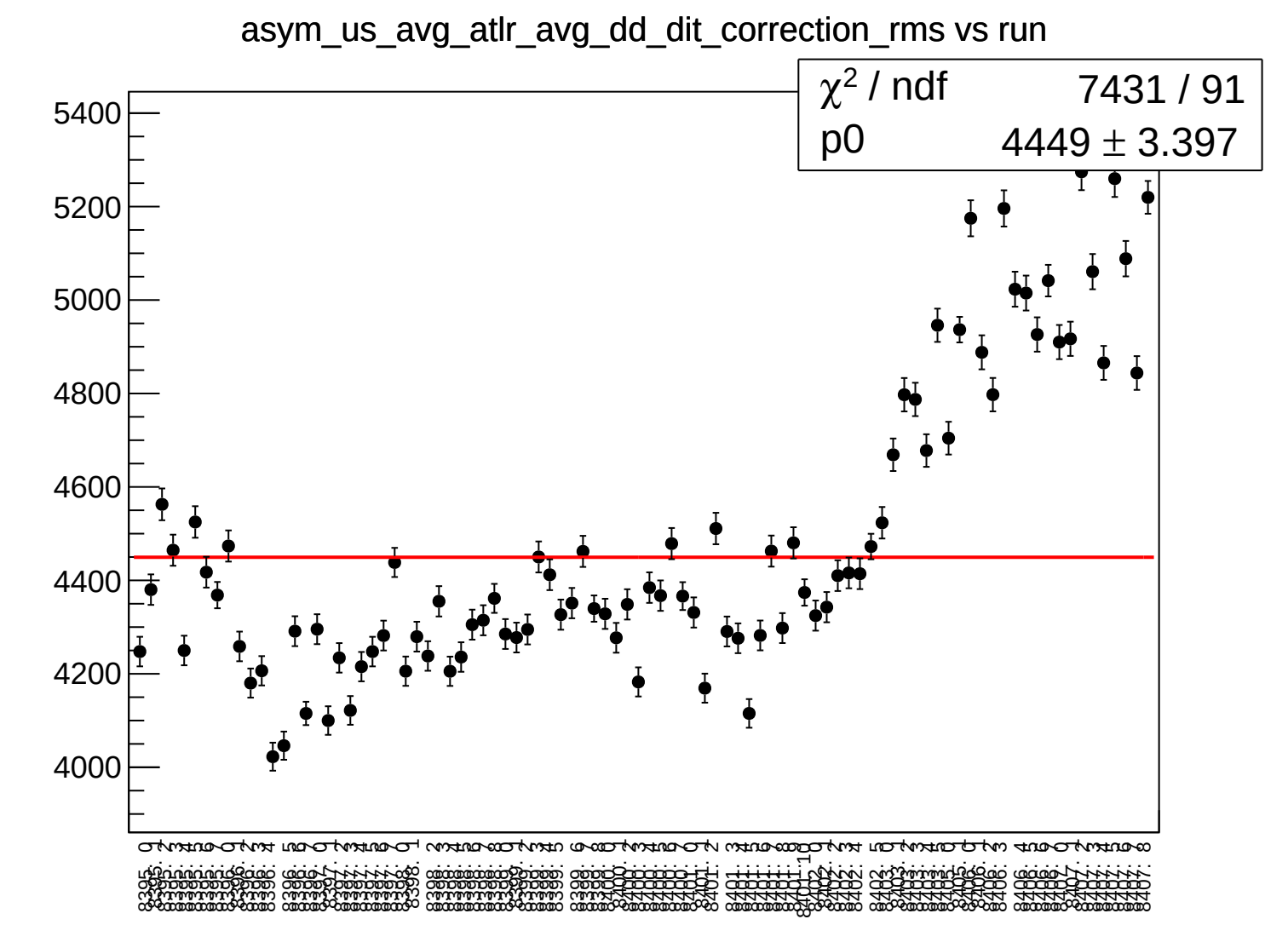

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 8742 / 91
p0 4436 ± 3.387
5400
5200
5000
4800
4600
4400
4200
4000
3800

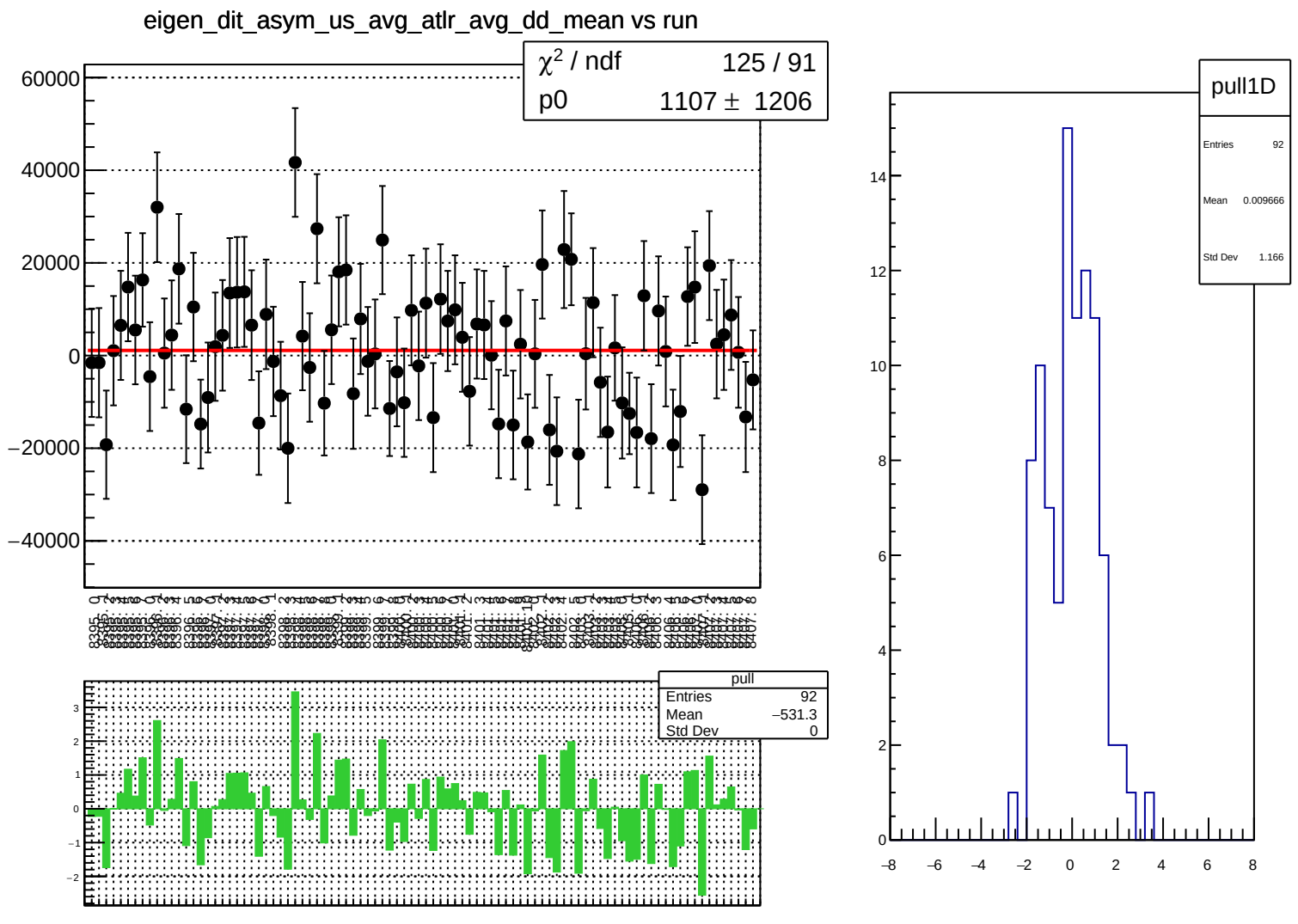

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 125 / 91
p0 1107 ± 1206
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −531.3
Std Dev 0
3
2
1
0
−1
−2

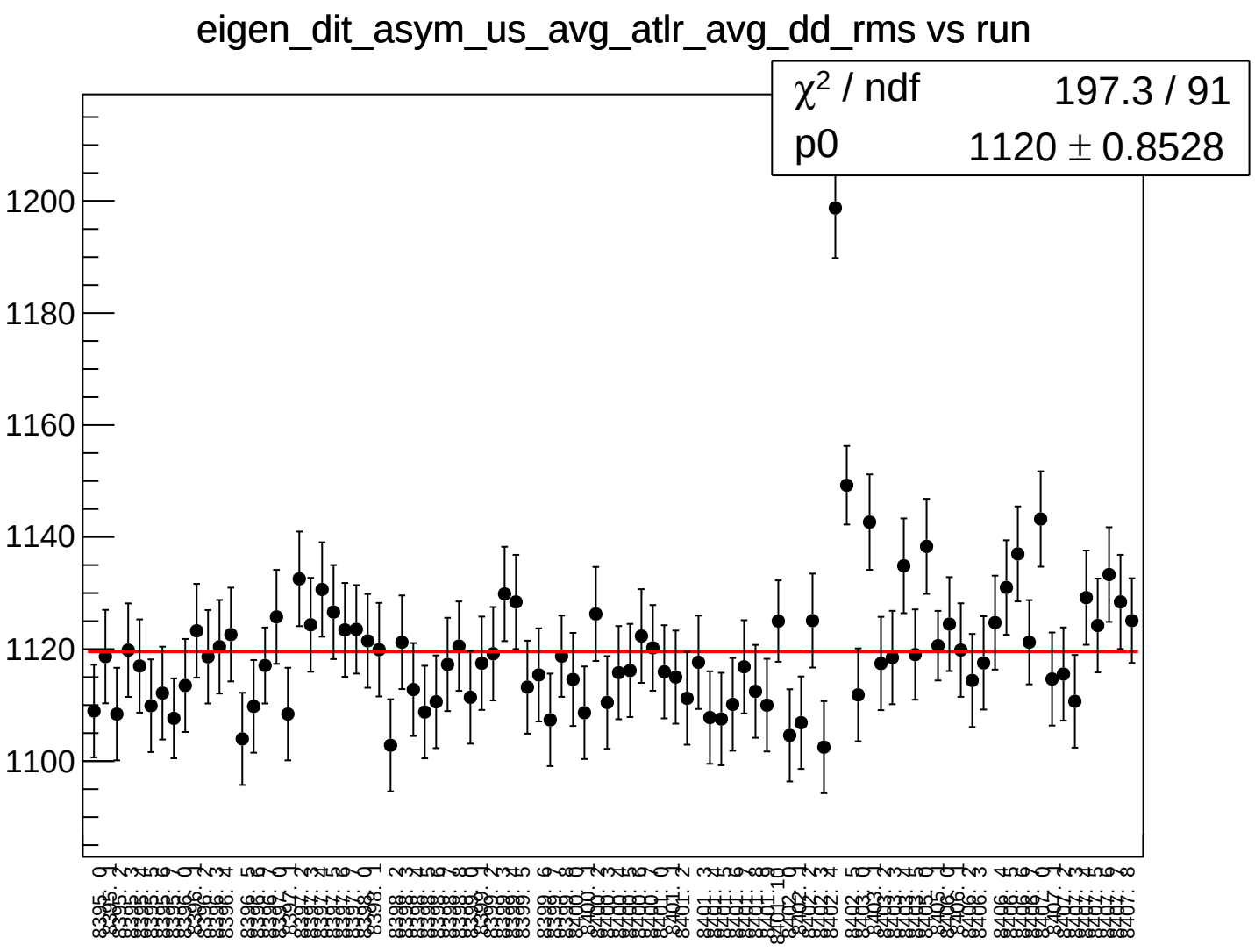

pull1D
Entries 92
Mean 0.009666
Std Dev 1.166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

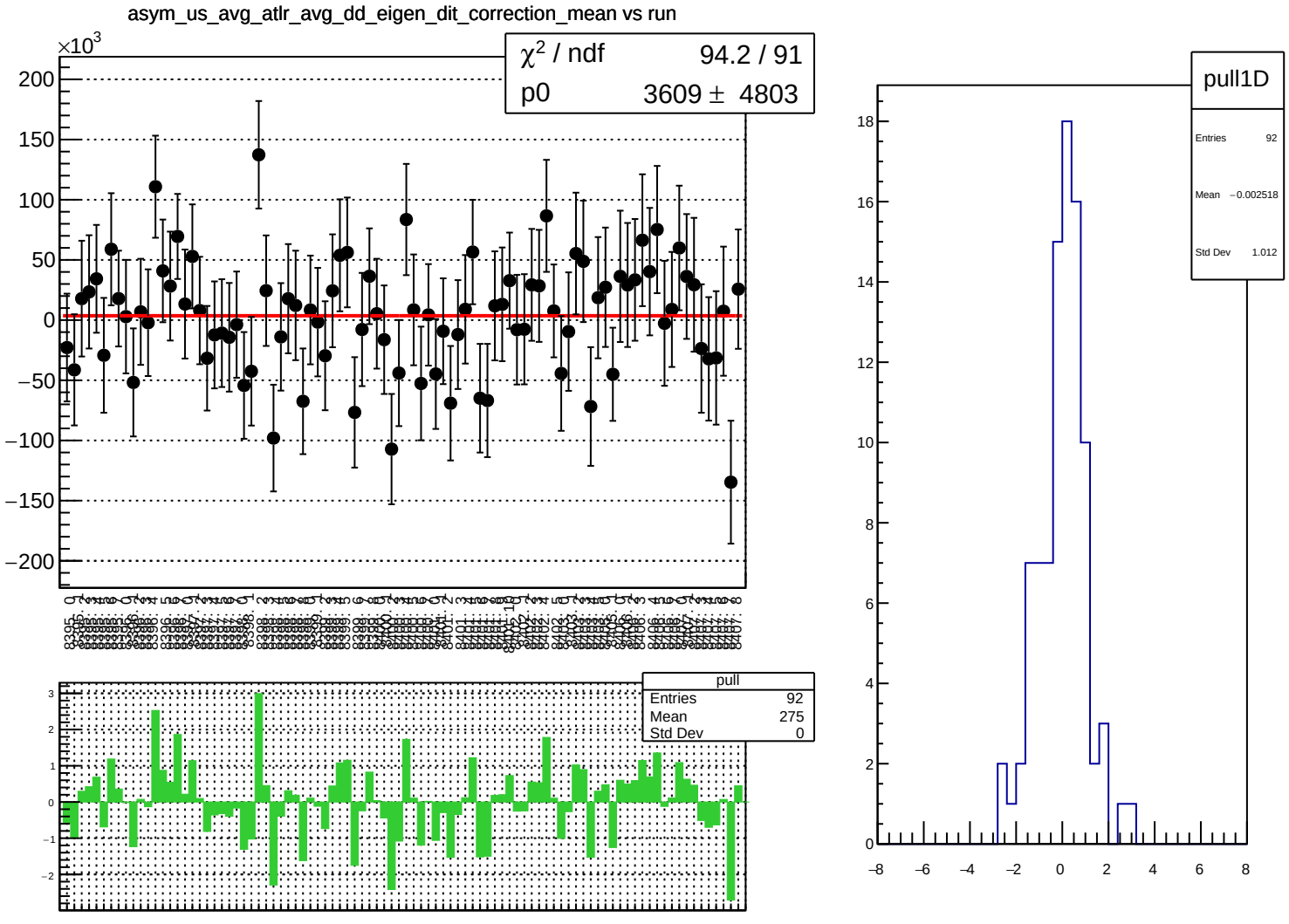

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 197.3 / 91
p0 1120 ± 0.8528
1200
1180
1160
1140
1120
1100

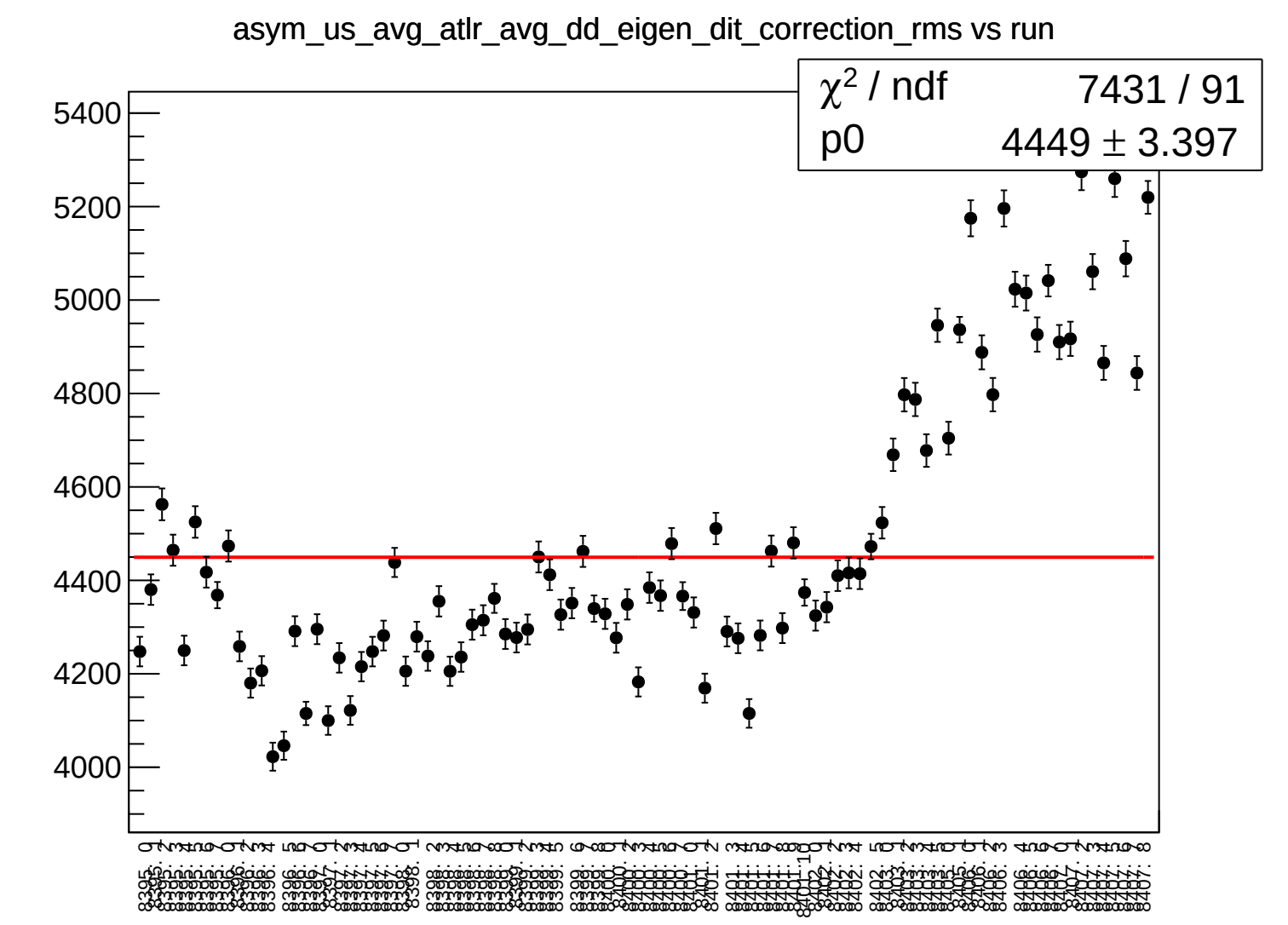

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.2 / 91
p0 3609 ± 4803
pull
Entries 92
Mean 275
Std Dev 0
pull1D
Entries 92
Mean −0.002518
Std Dev 1.012

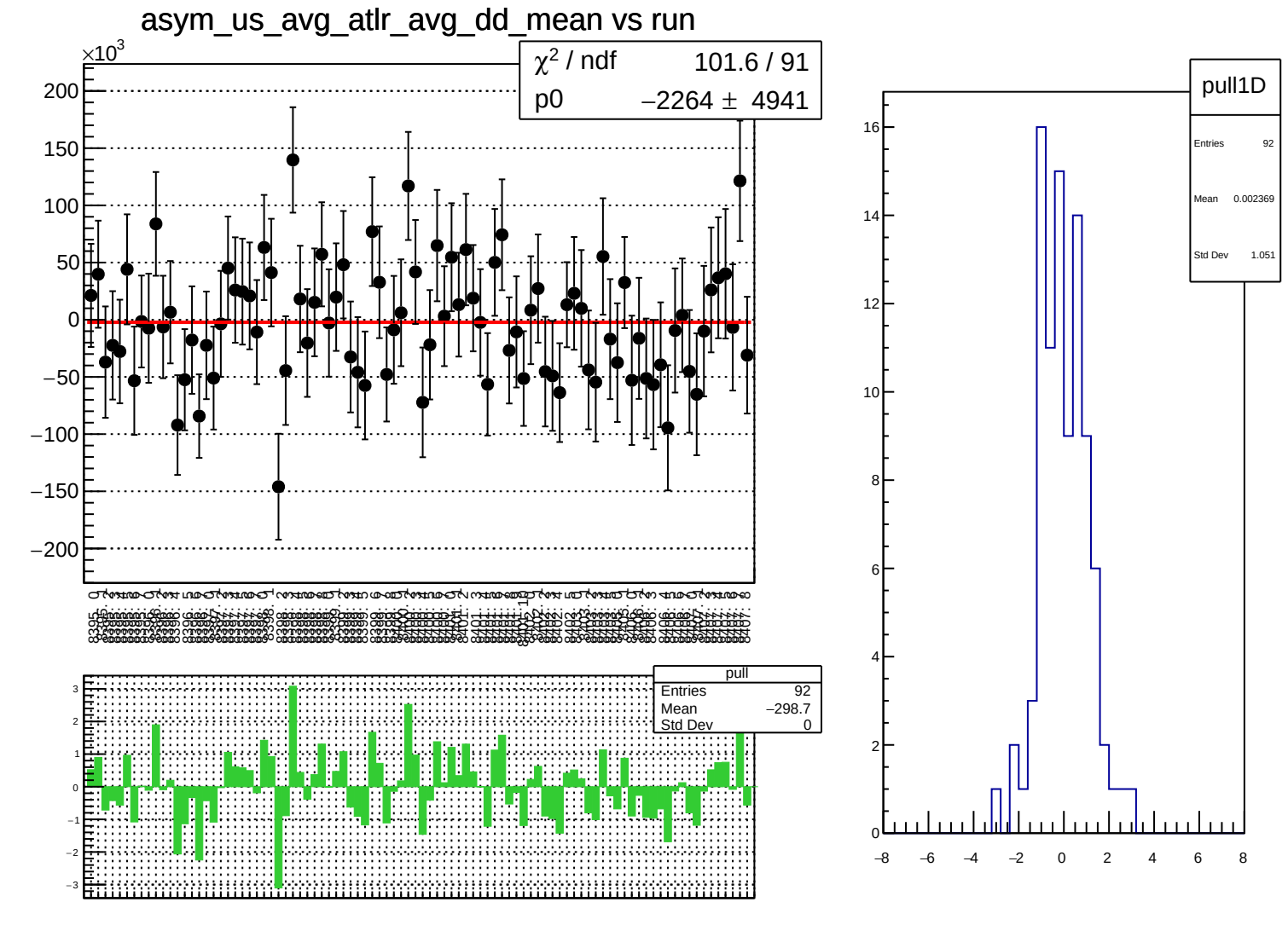

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 7431 / 91
p0 4449 ± 3.397
5400
5200
5000
4800
4600
4400
4200
4000

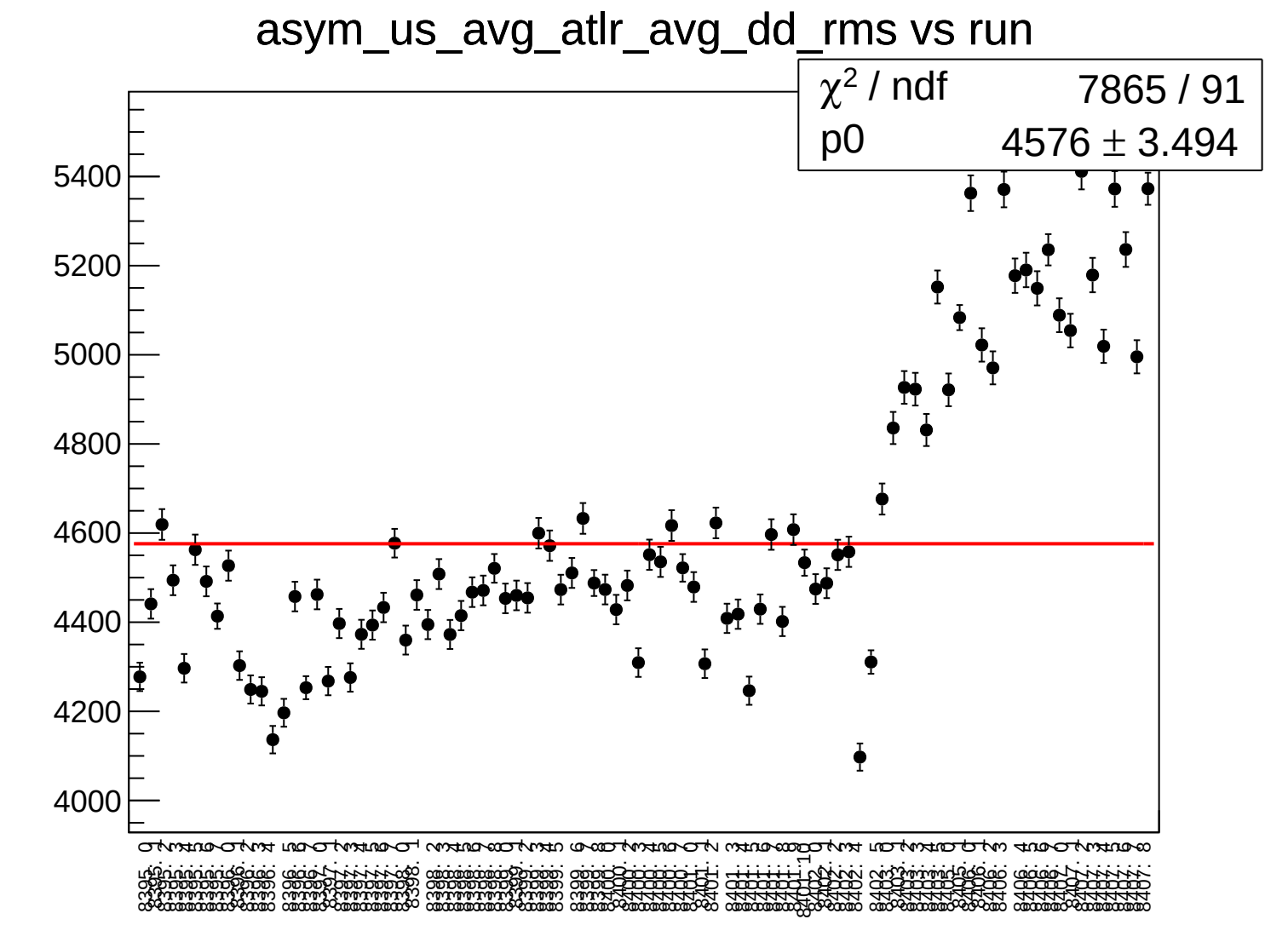

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 125 / 91
p0 1107 ± 1206
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −531.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.009666
Std Dev 1.166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

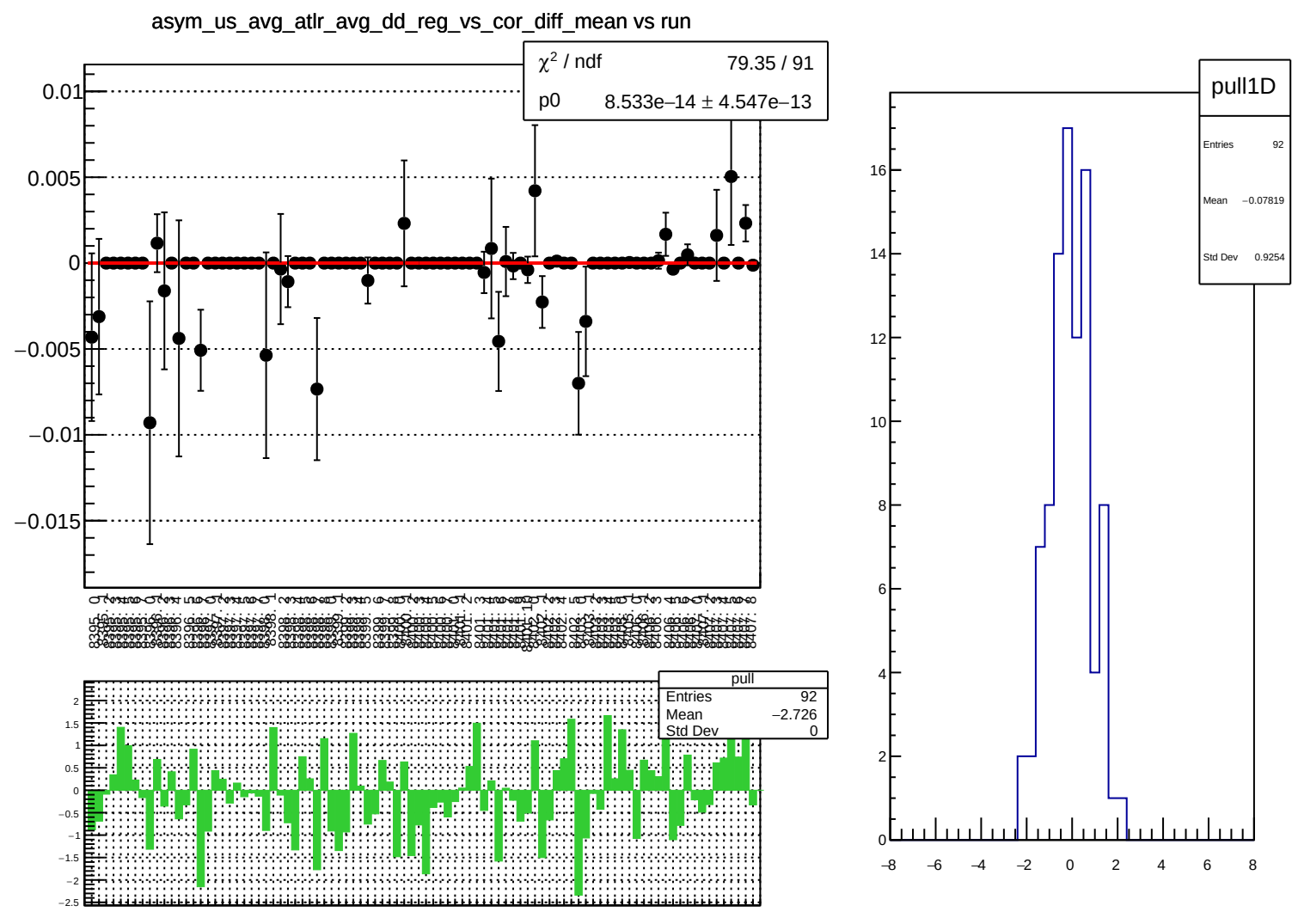

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 197.3 / 91
p0 1120 ± 0.8528
1200
1180
1160
1140
1120
1100

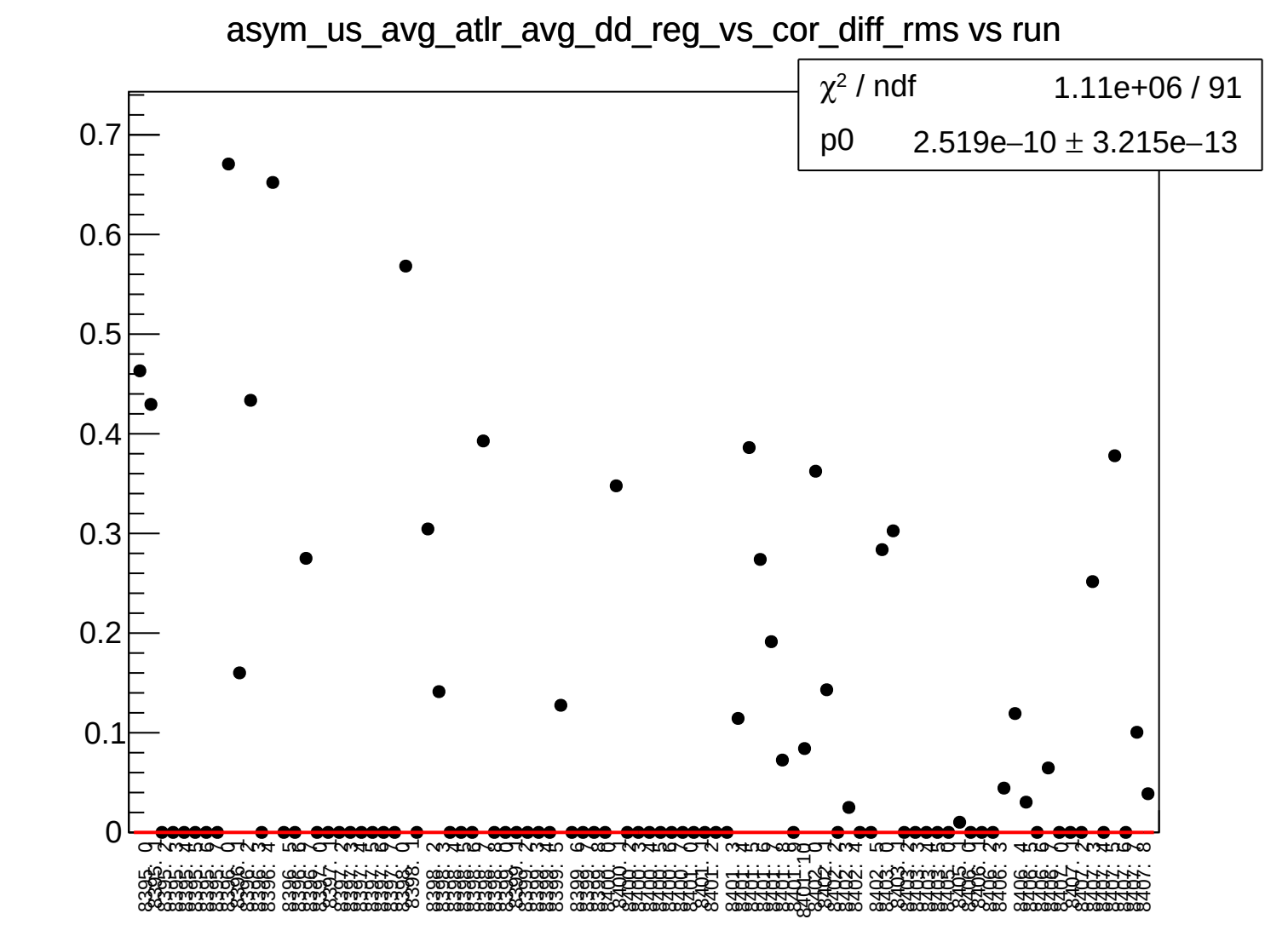

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 94.2 / 91
p0 3609 ± 4803
pull
Entries 92
Mean 275
Std Dev 0
pull1D
Entries 92
Mean −0.002518
Std Dev 1.012

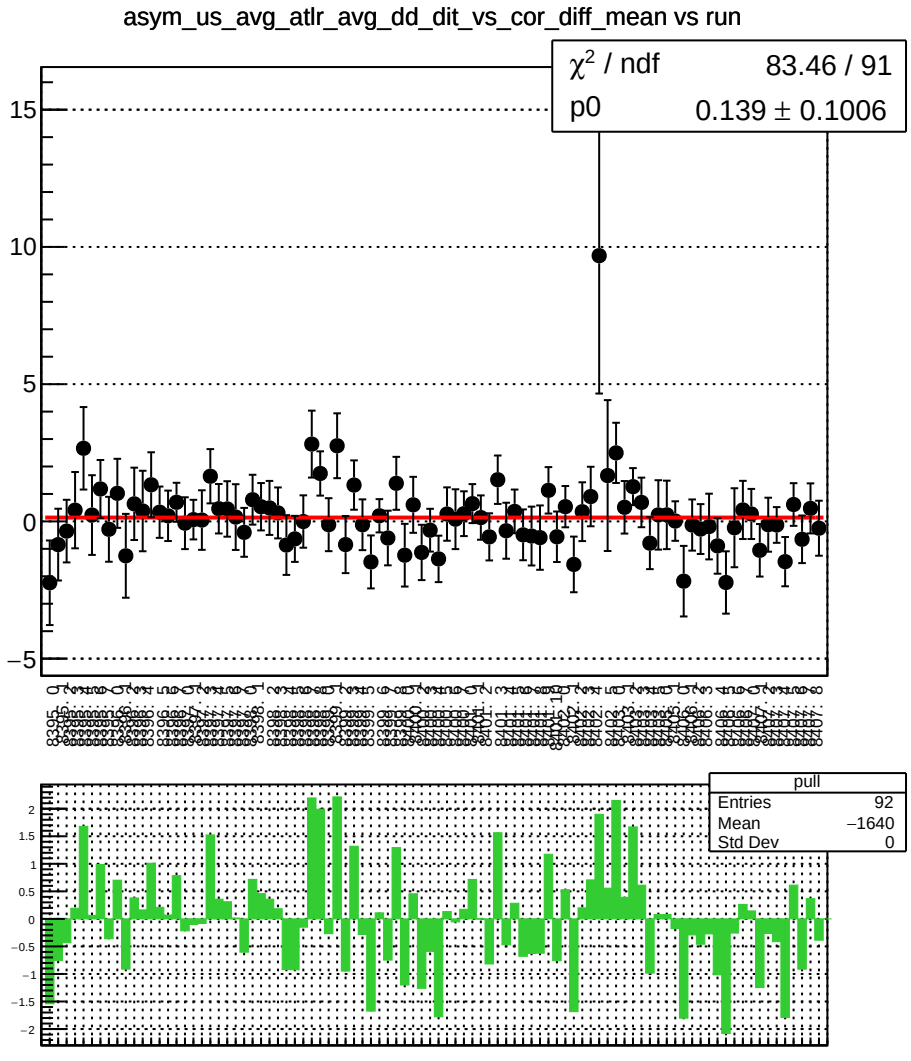

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
$\chi^2$ / ndf 7431 / 91
p0 4449 ± 3.397
5400
5200
5000
4800
4600
4400
4200
4000

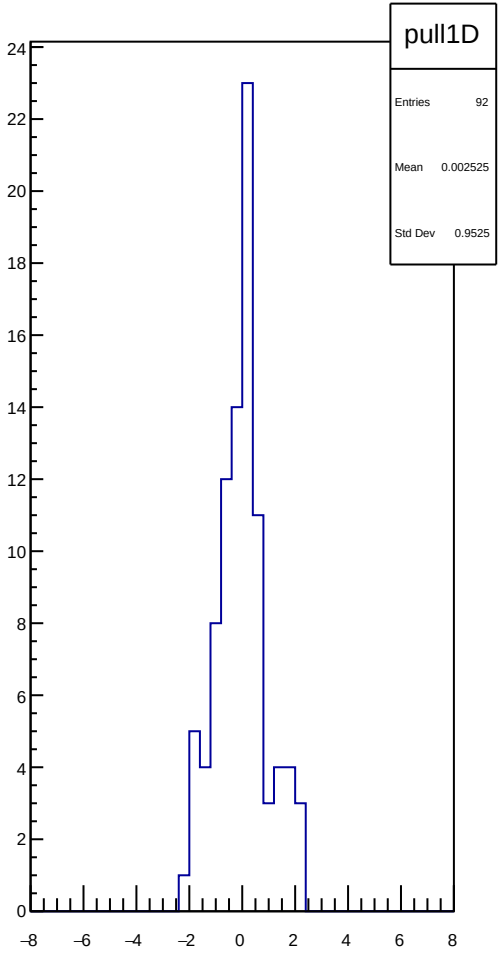

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 101.6 / 91
p0 −2264 ± 4941
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean −298.7
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.002369
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

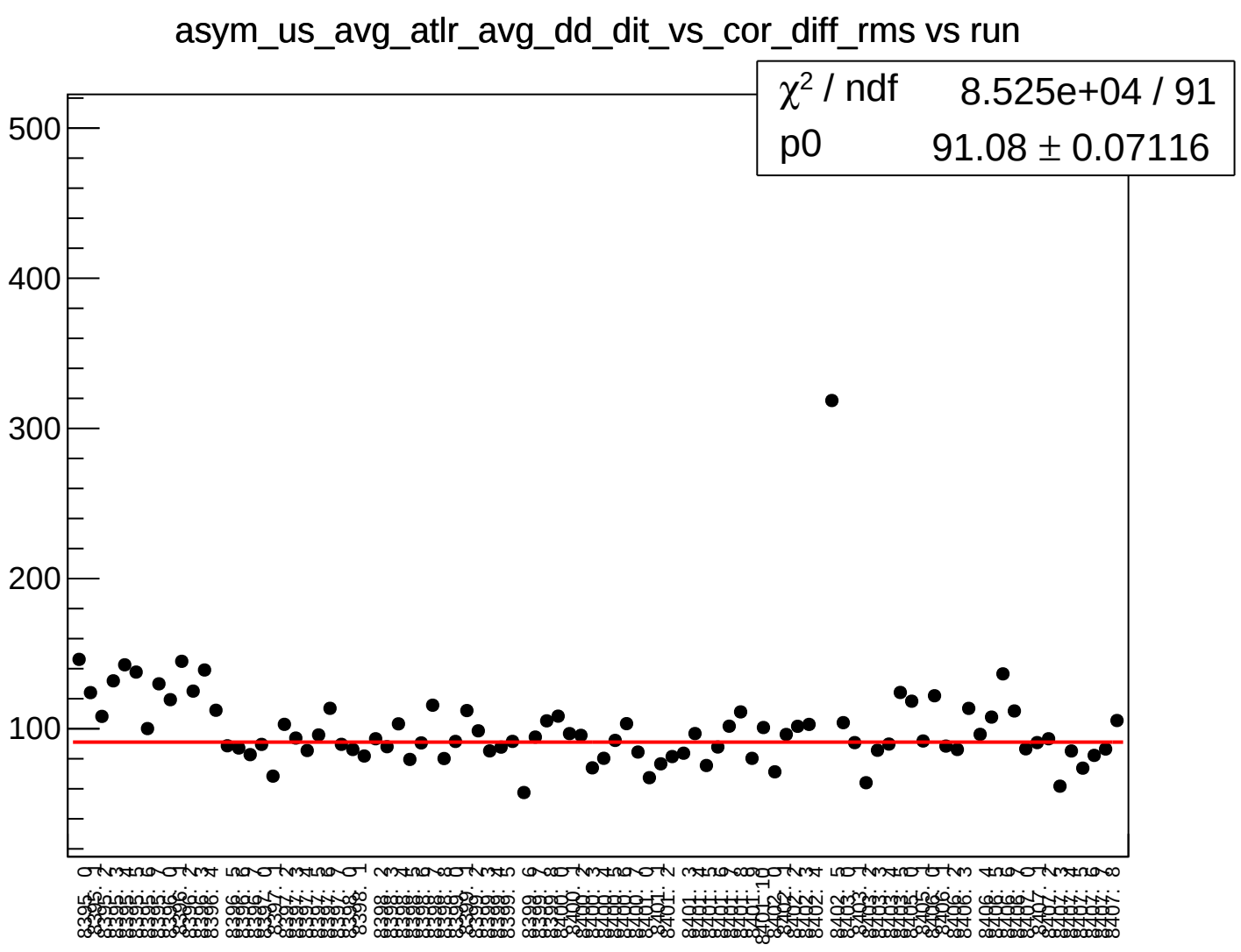

asym_us_avg_atlr_avg_dd_rms vs run
$\chi^2$ / ndf 7865 / 91
p0 4576 ± 3.494
5400
5200
5000
4800
4600
4400
4200
4000

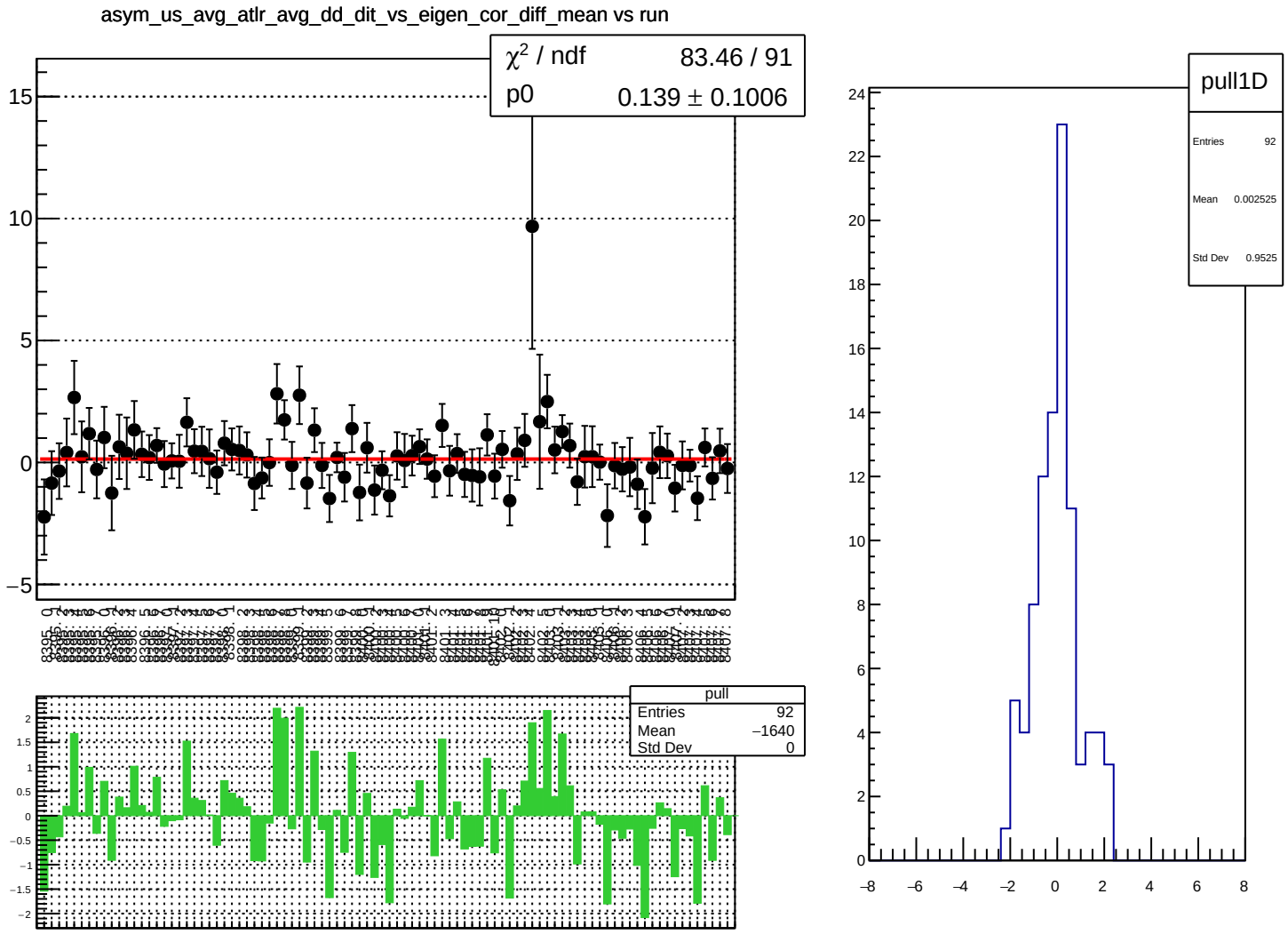

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 79.35 / 91
p0 8.533e−14 ± 4.547e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 92
Mean −2.726
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.07819
Std Dev 0.9254
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

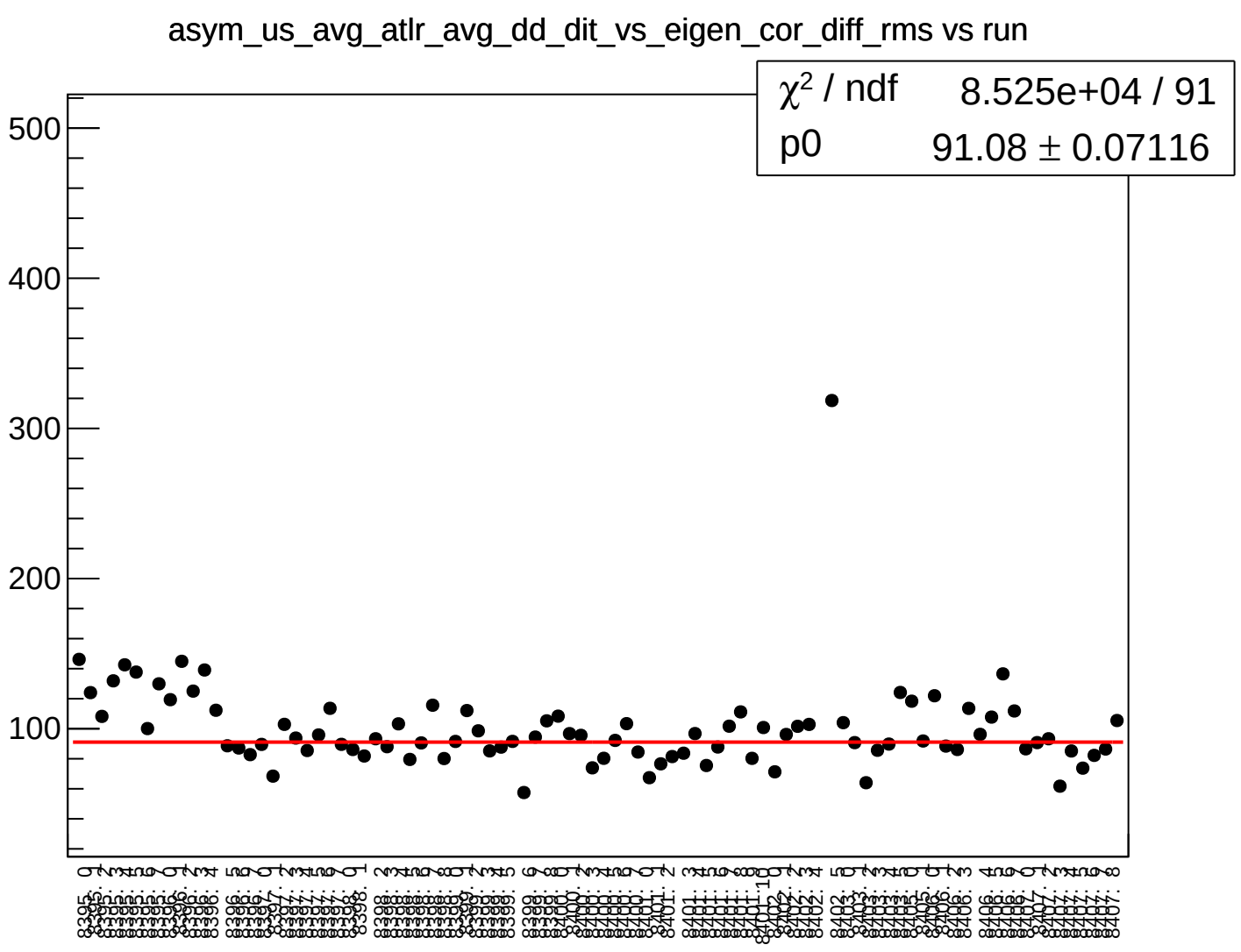

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.11e+06 / 91
p0 2.519e−10 ± 3.215e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

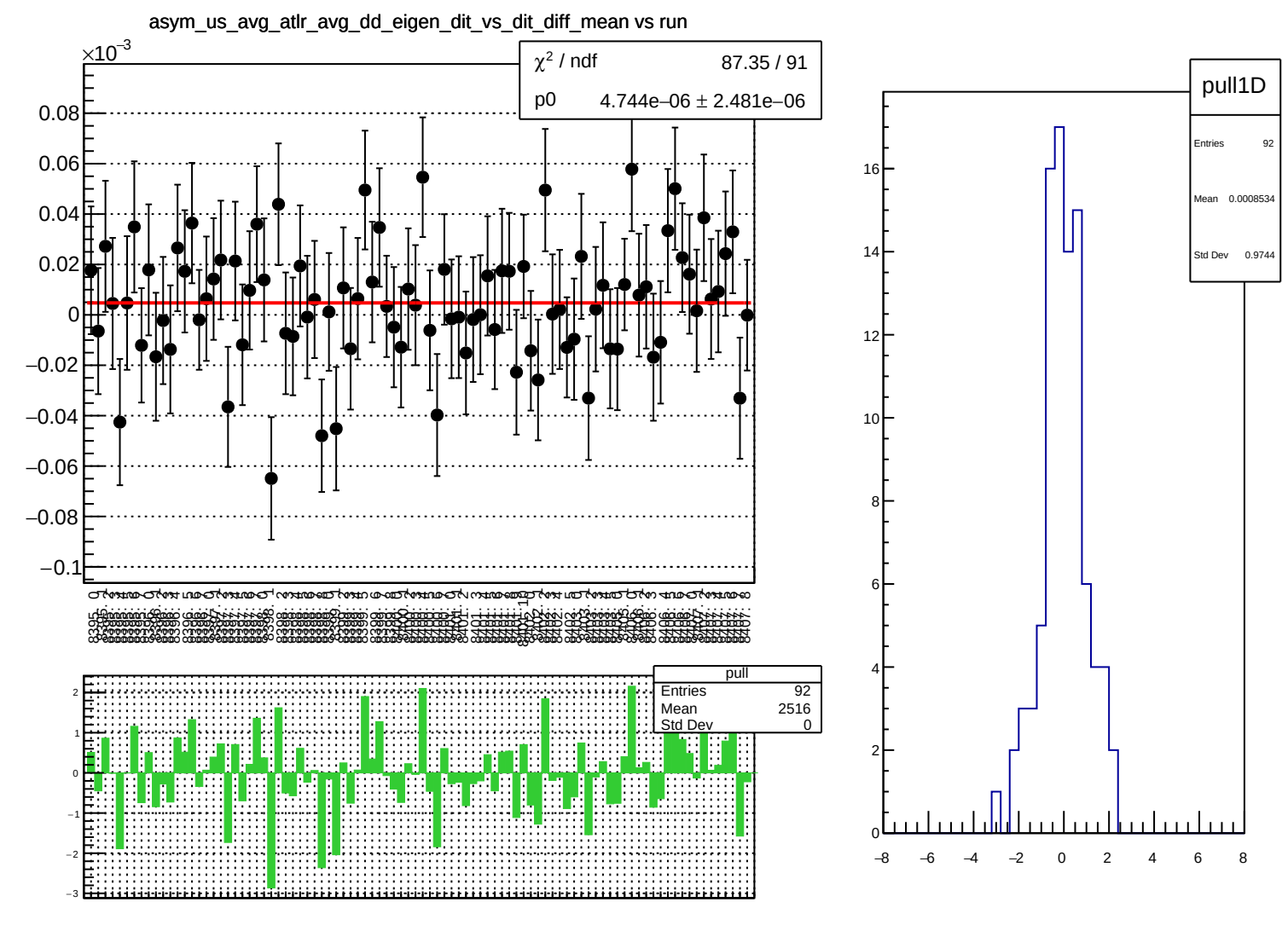

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.46 / 91
p0 0.139 ± 0.1006
pull
Entries 92
Mean −1640
Std Dev 0

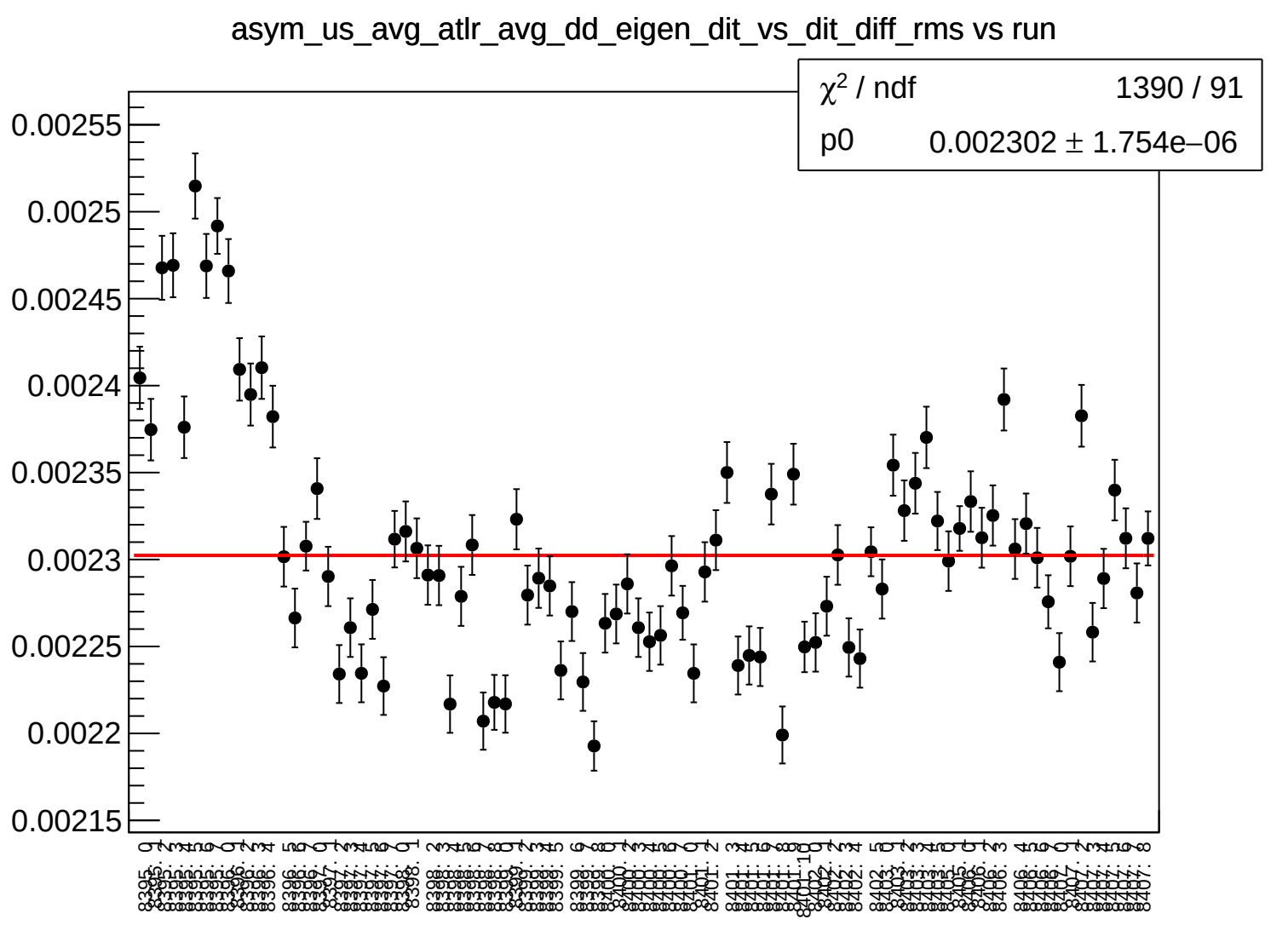

pull1D
Entries 92
Mean 0.002525
Std Dev 0.9525

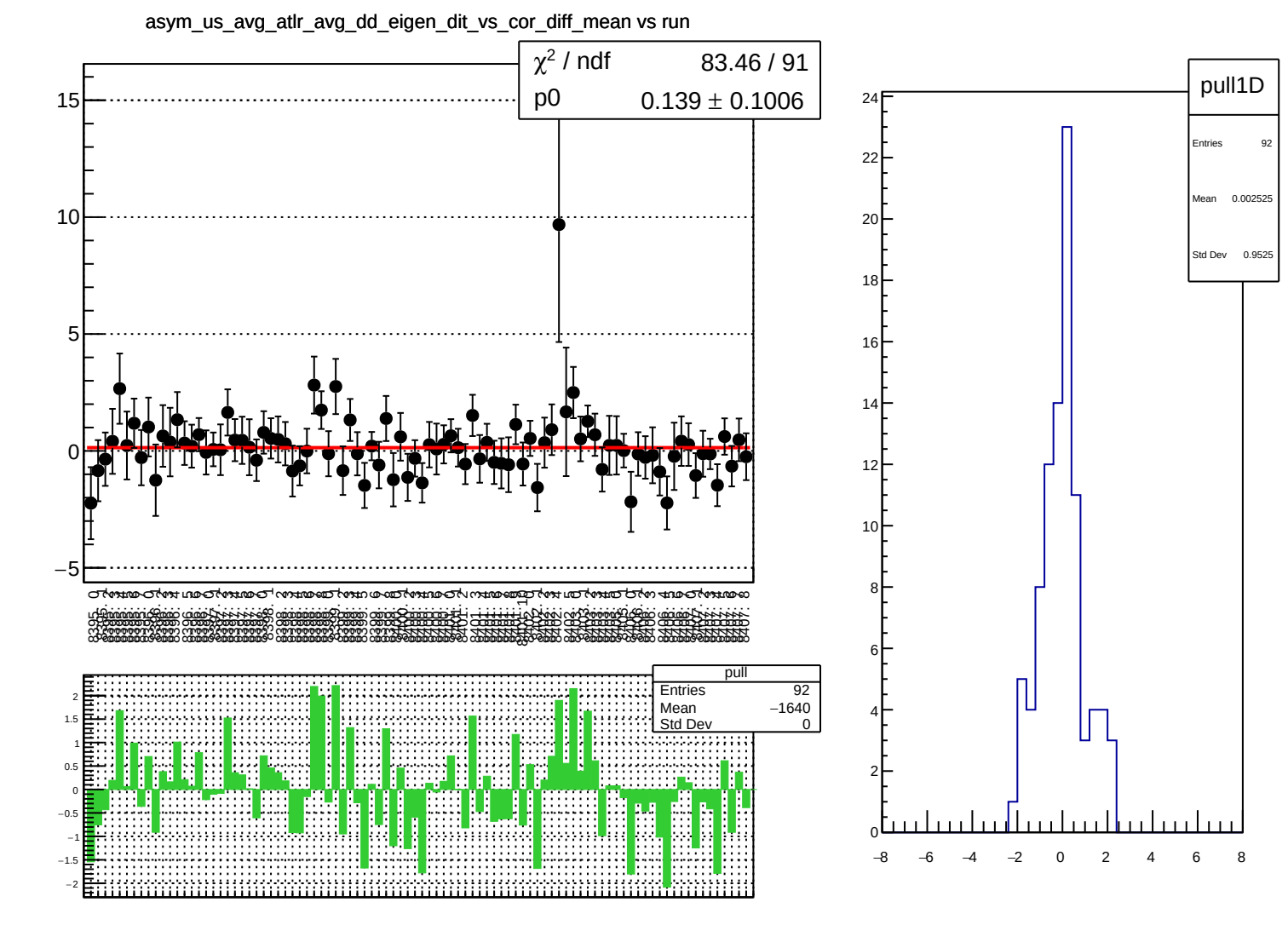

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.525e+04 / 91
p0 91.08 ± 0.07116
500
400
300
200
100

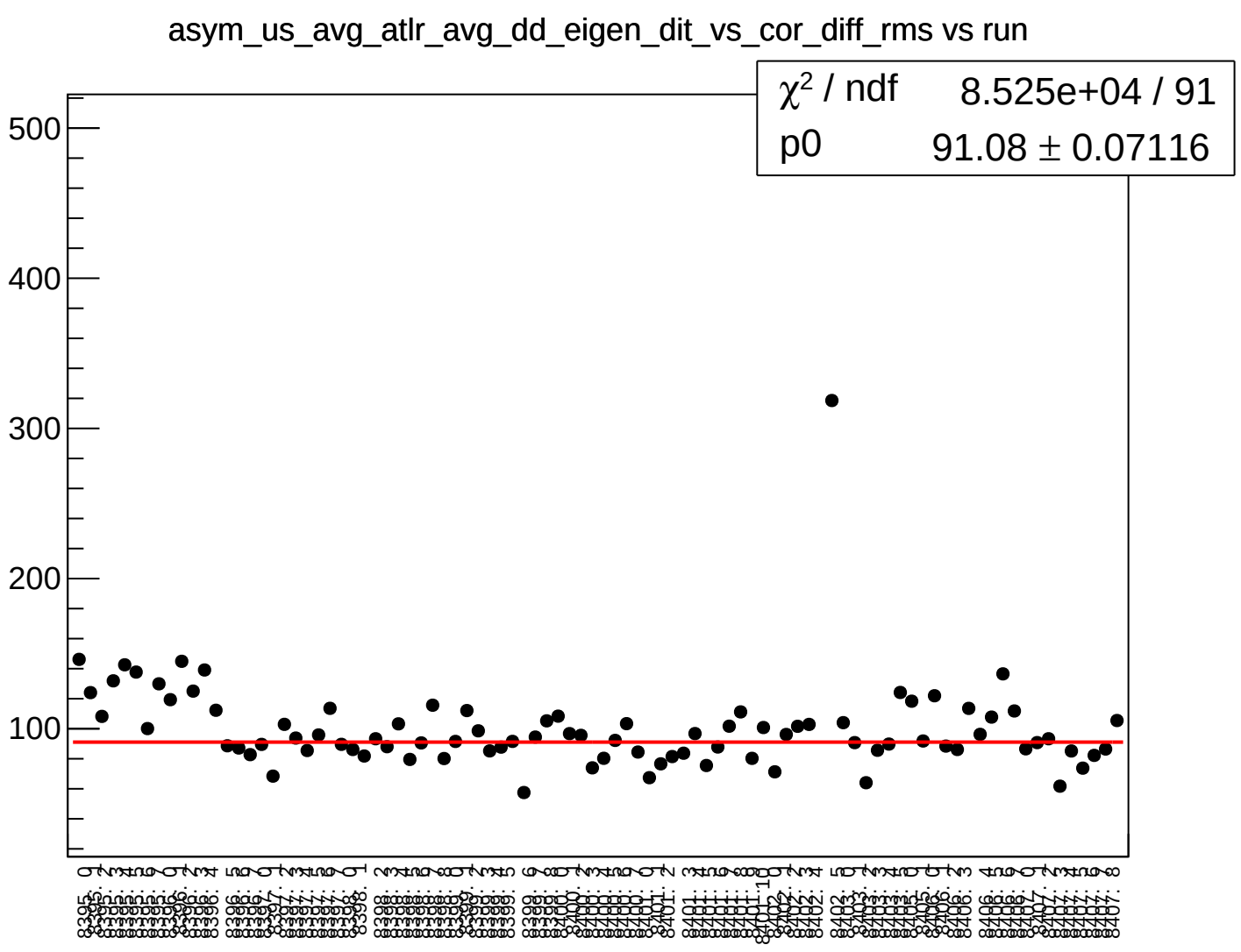

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.46 / 91
p0 0.139 ± 0.1006
pull
Entries 92
Mean −1640
Std Dev 0
pull1D
Entries 92
Mean 0.002525
Std Dev 0.9525

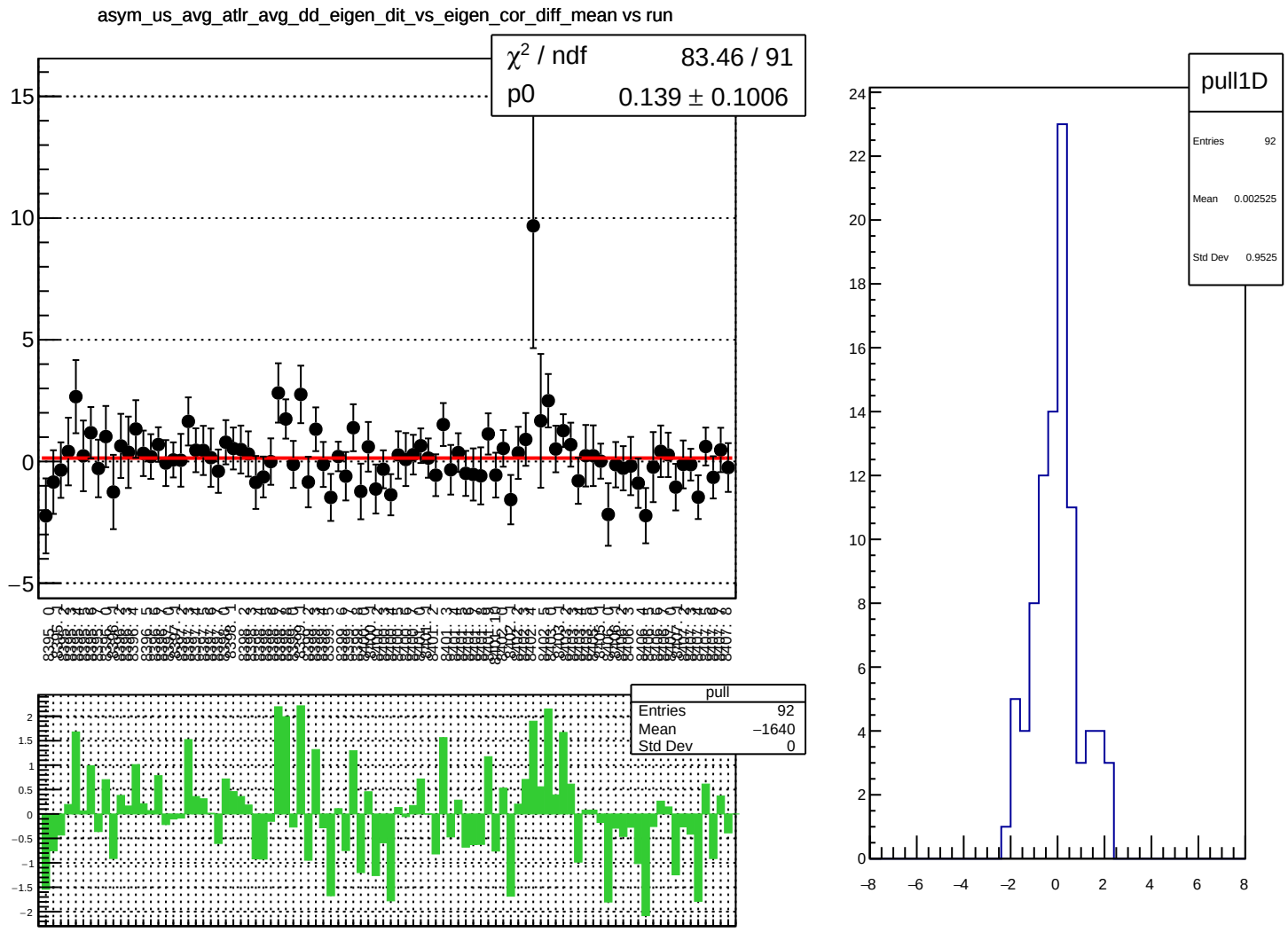

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.525e+04 / 91
p0 91.08 ± 0.07116
500
400
300
200
100

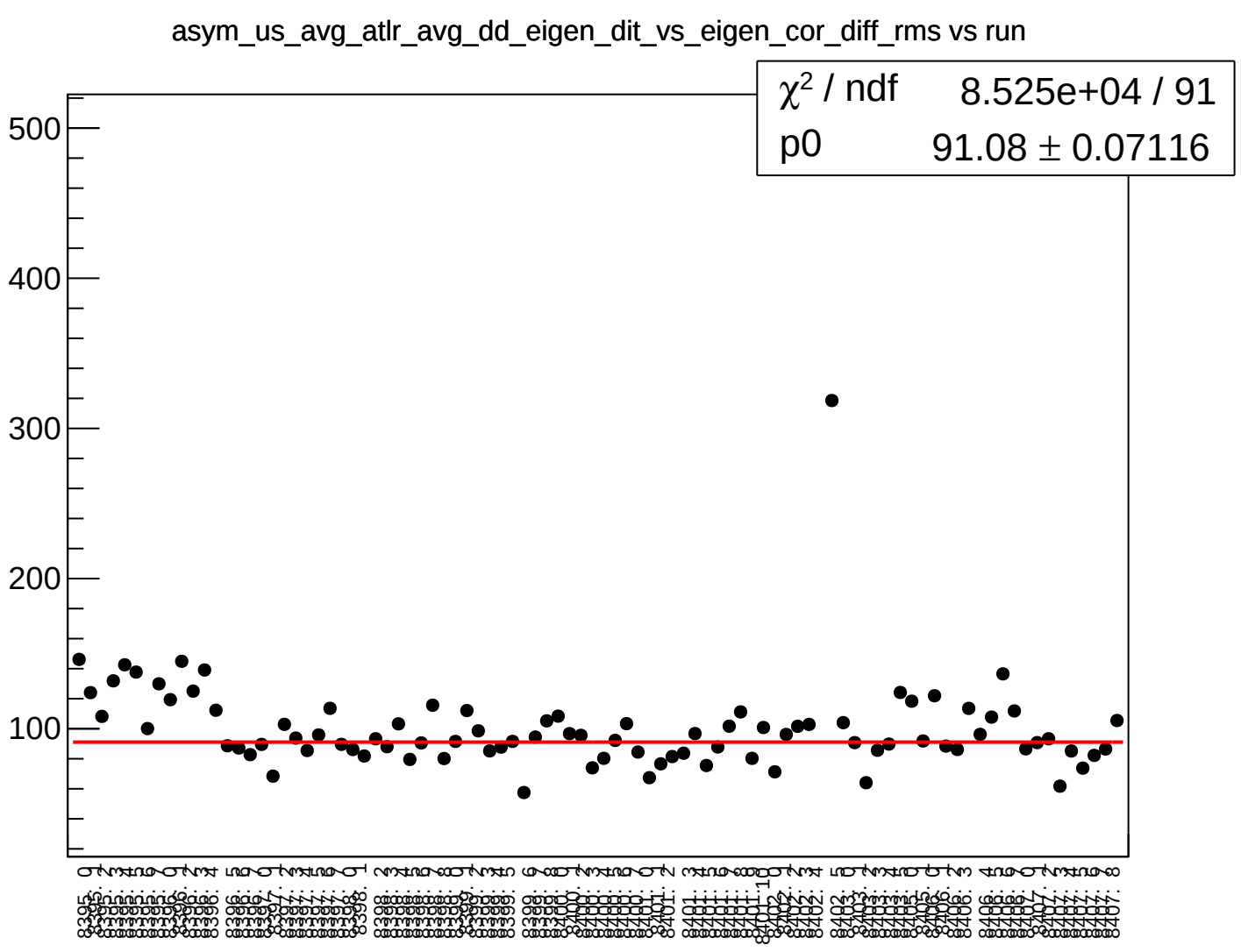

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.35 / 91
p0 4.744e−06 ± 2.481e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 92
Mean 2516
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.0008534
Std Dev 0.9744
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

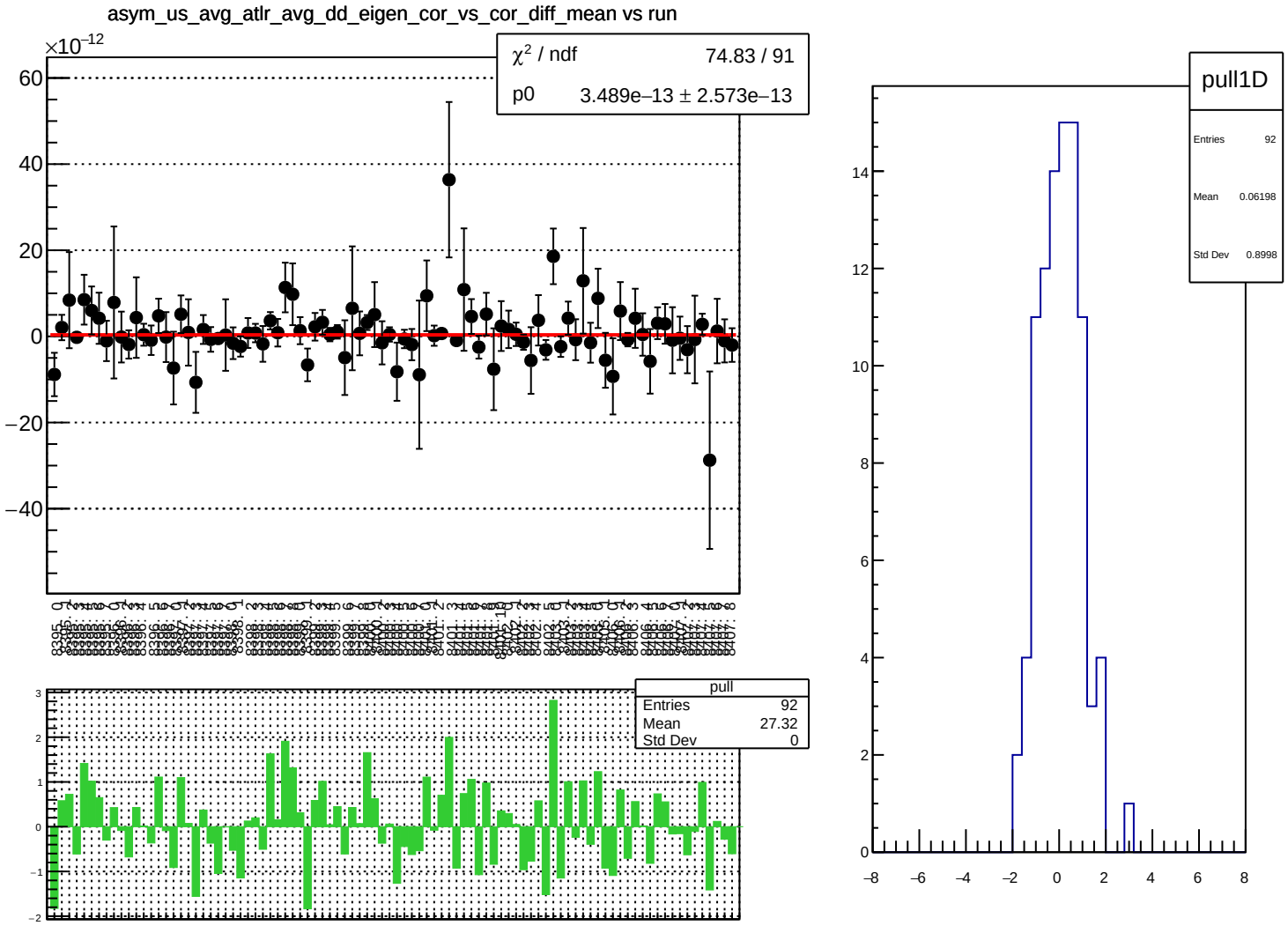

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1390 / 91
p0 0.002302 ± 1.754e−06
0.00255
0.0025
0.00245
0.0024
0.00235
0.0023
0.00225
0.0022
0.00215

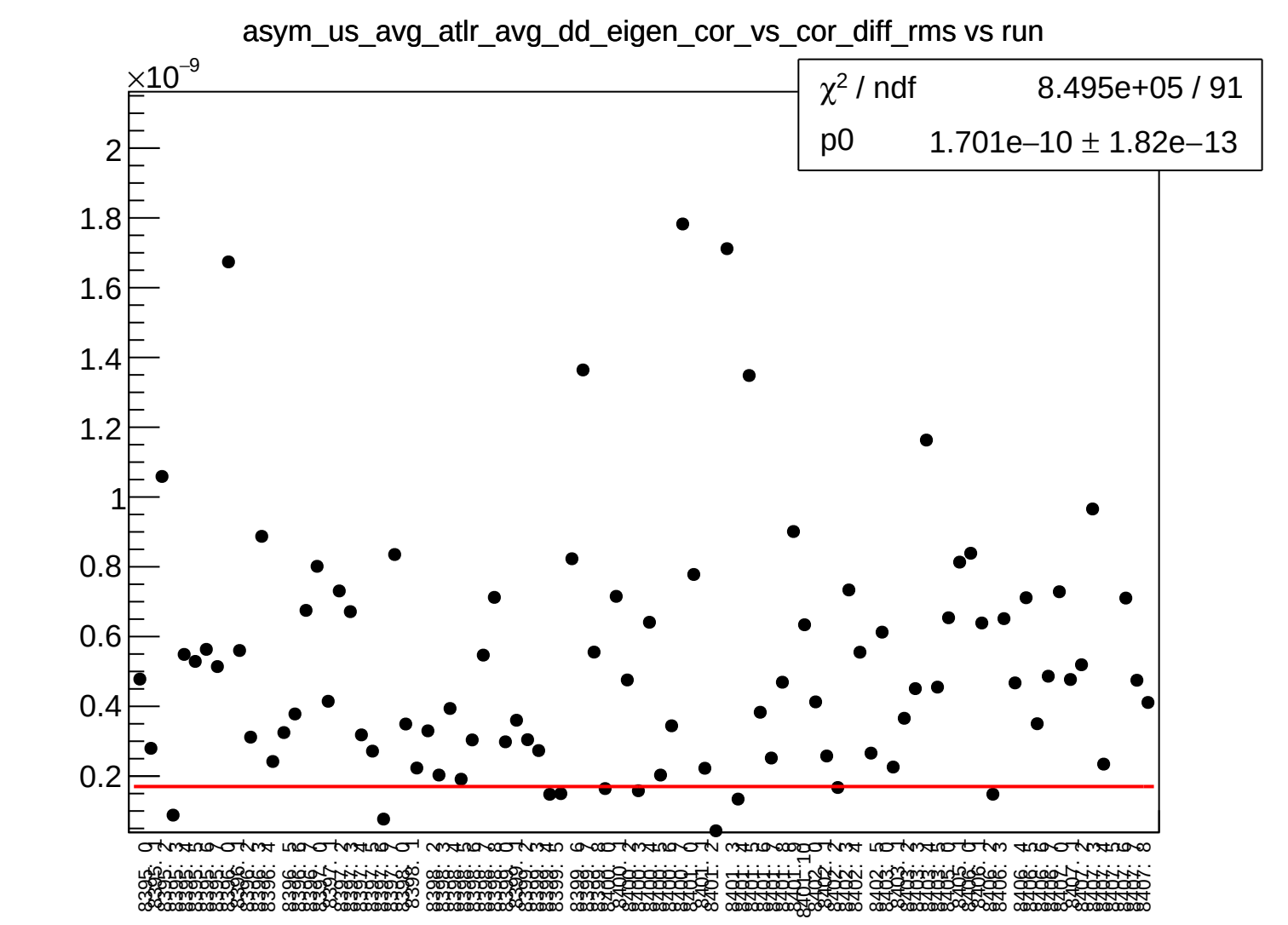

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.46 / 91
p0 0.139 ± 0.1006
pull
Entries 92
Mean −1640
Std Dev 0
pull1D
Entries 92
Mean 0.002525
Std Dev 0.9525

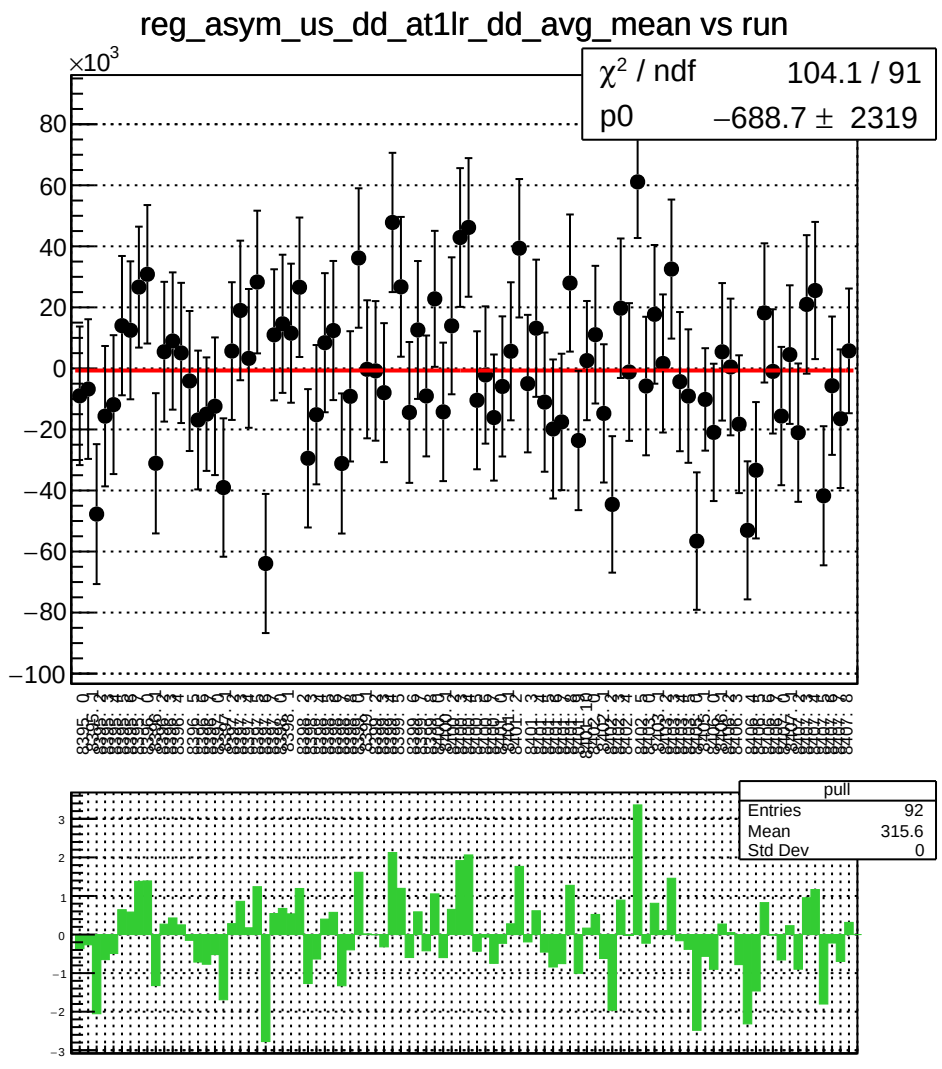

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.525e+04 / 91
p0 91.08 ± 0.07116
500
400
300
200
100

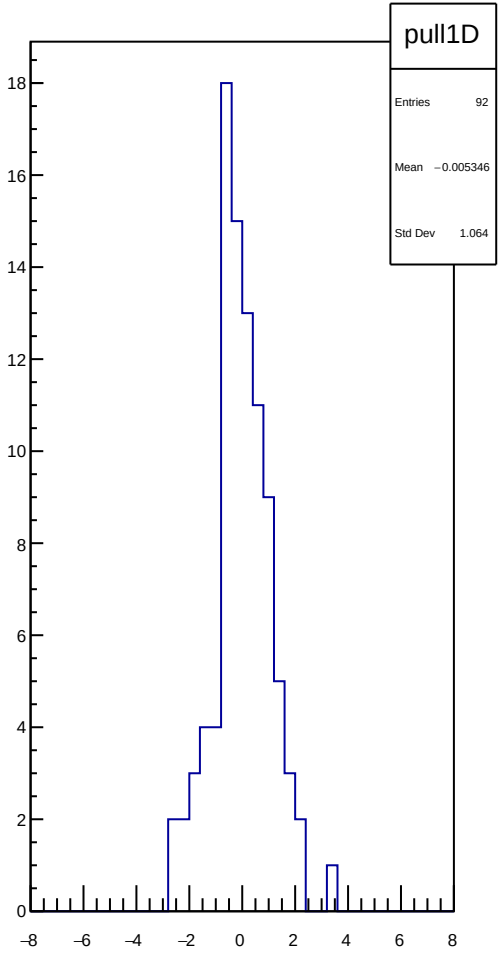

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.46 / 91
p0 0.139 ± 0.1006
pull
Entries 92
Mean −1640
Std Dev 0
pull1D
Entries 92
Mean 0.002525
Std Dev 0.9525

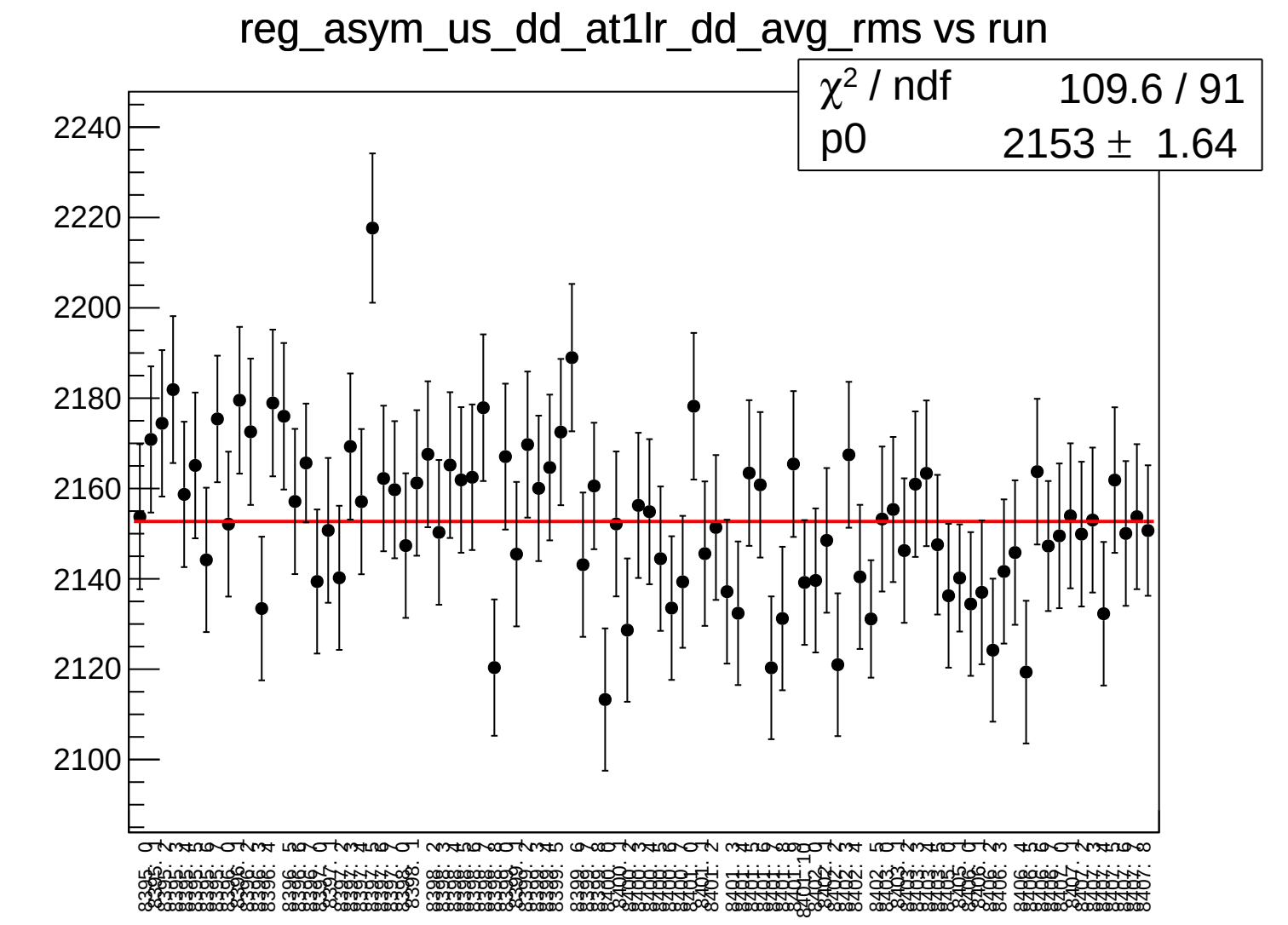

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.525e+04 / 91
p0 91.08 ± 0.07116
500
400
300
200
100

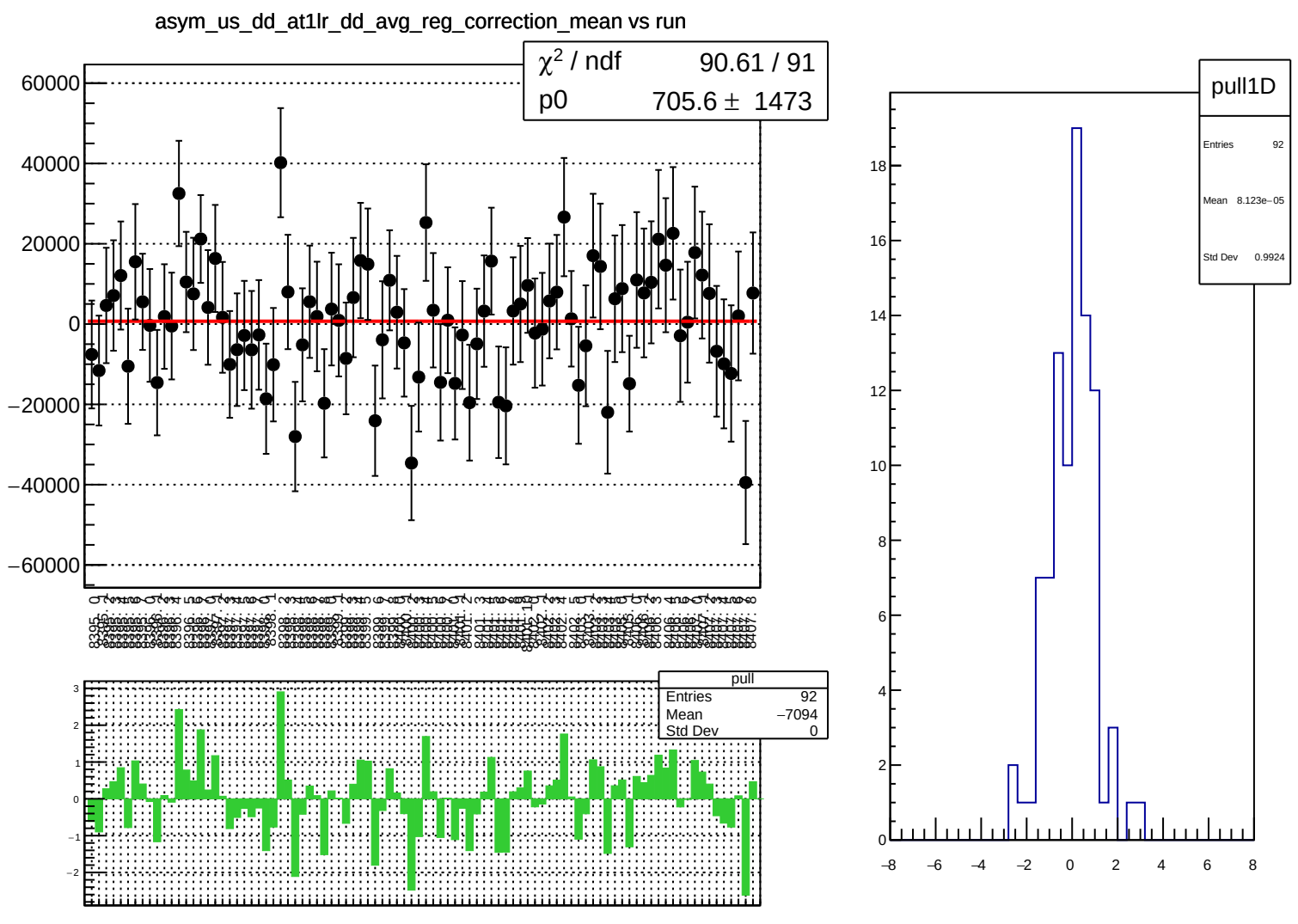

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 74.83 / 91
p0 3.489e−13 ± 2.573e−13
60
40
20
0
−20
−40
pull
Entries 92
Mean 27.32
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.06198
Std Dev 0.8998
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

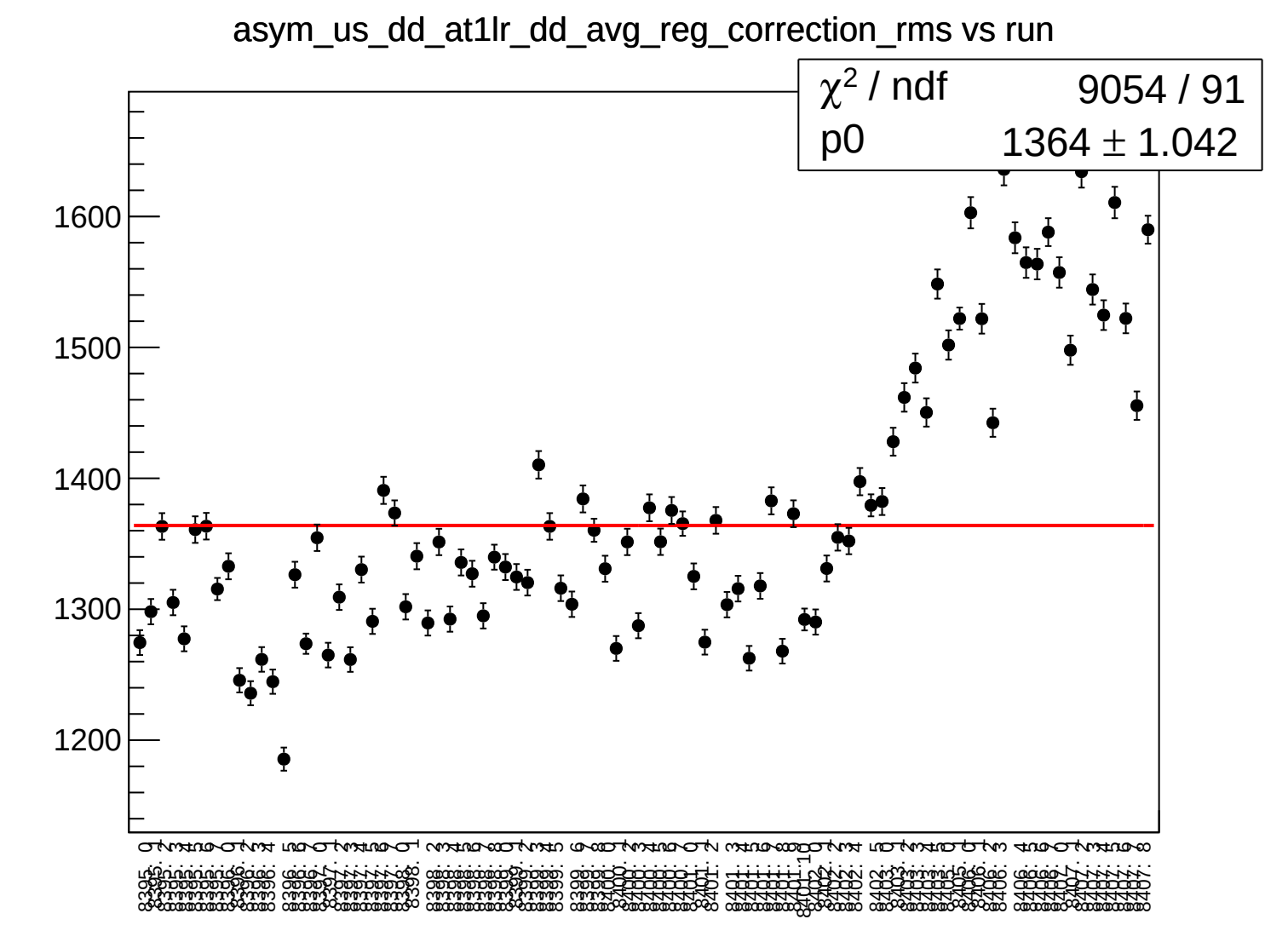

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.495e+05 / 91
p0 1.701e−10 ± 1.82e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

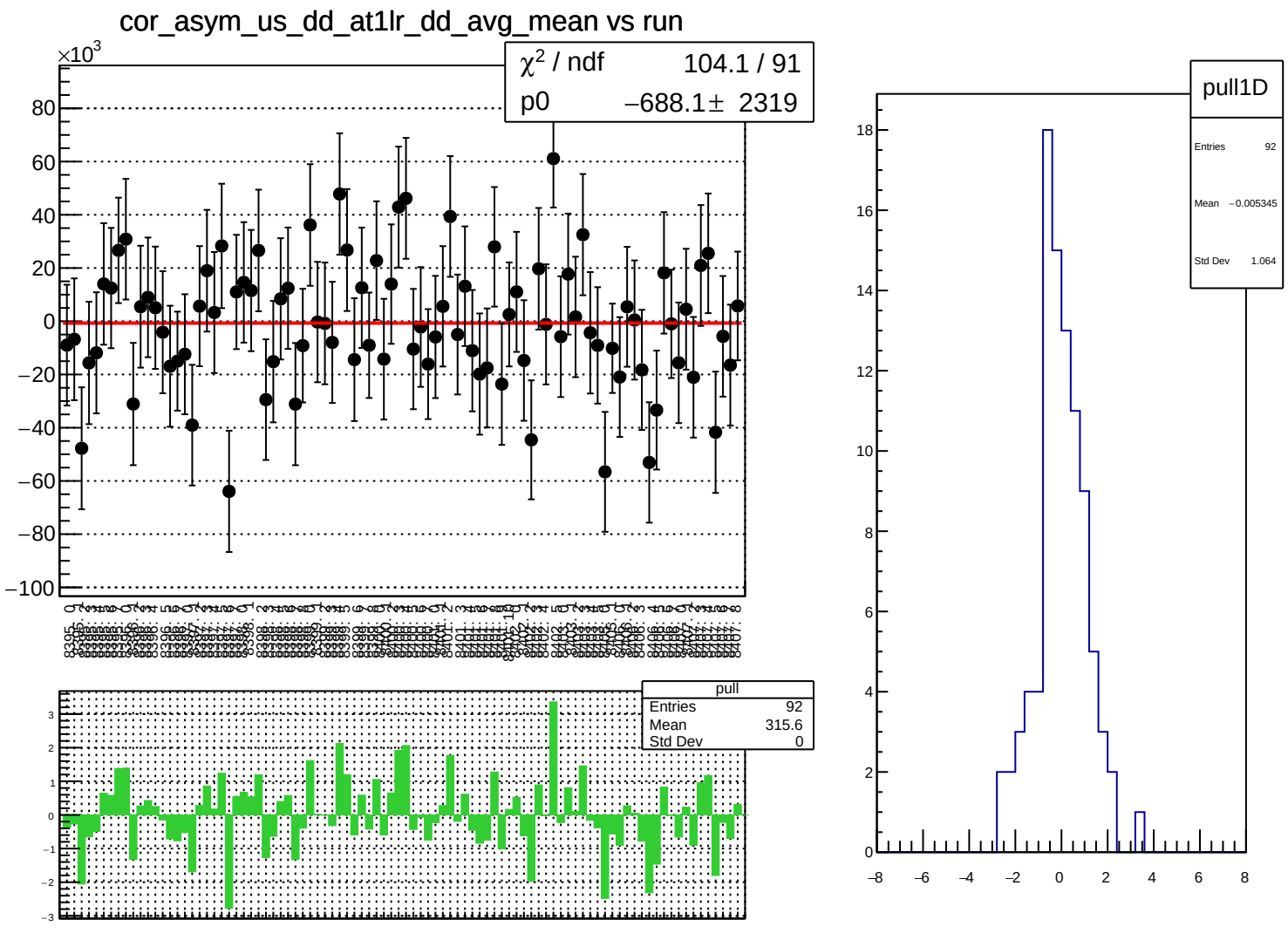

reg_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 104.1 / 91
p0 −688.7 ± 2319
pull
Entries 92
Mean 315.6
Std Dev 0

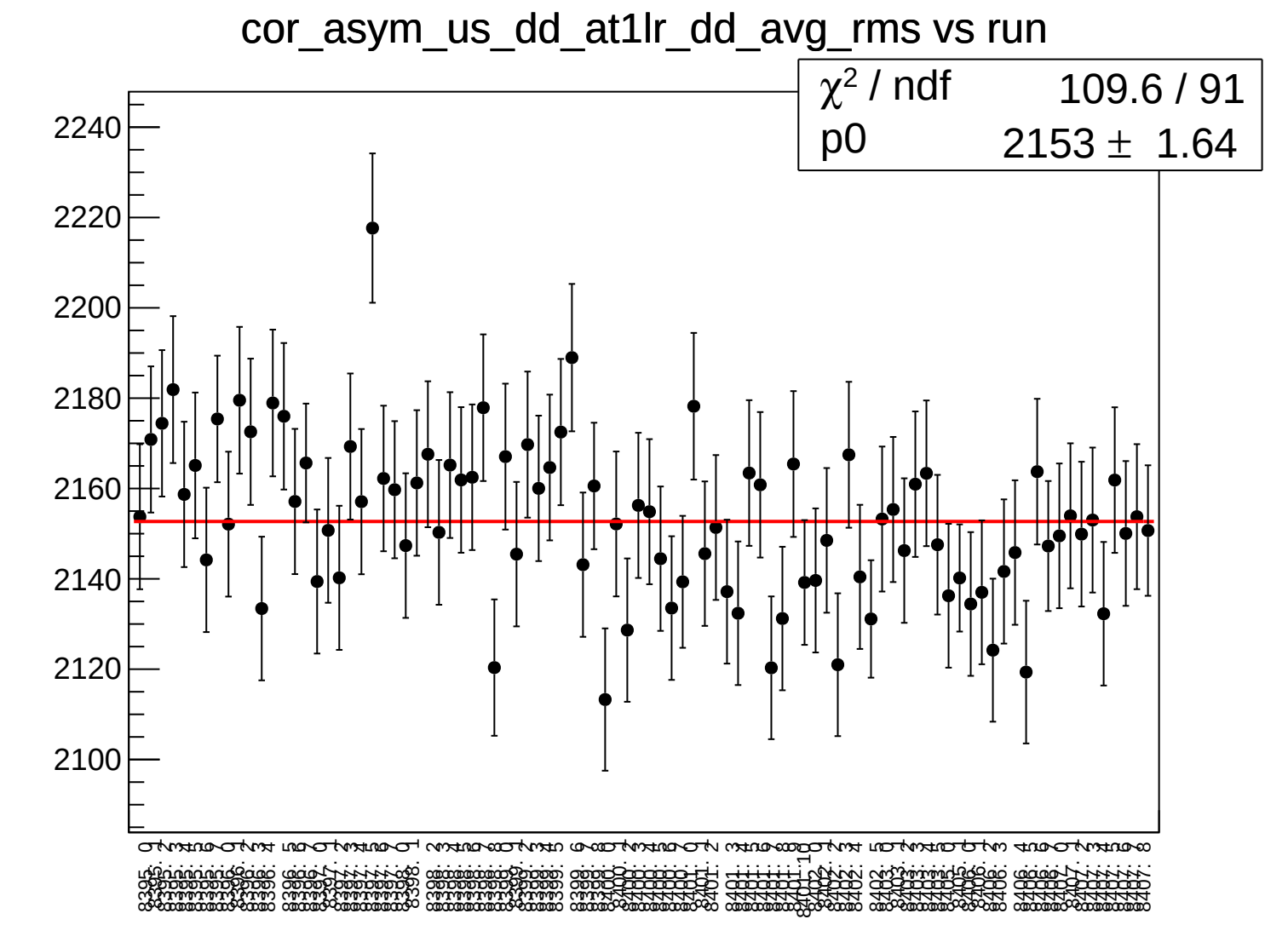

pull1D
Entries 92
Mean −0.005346
Std Dev 1.064

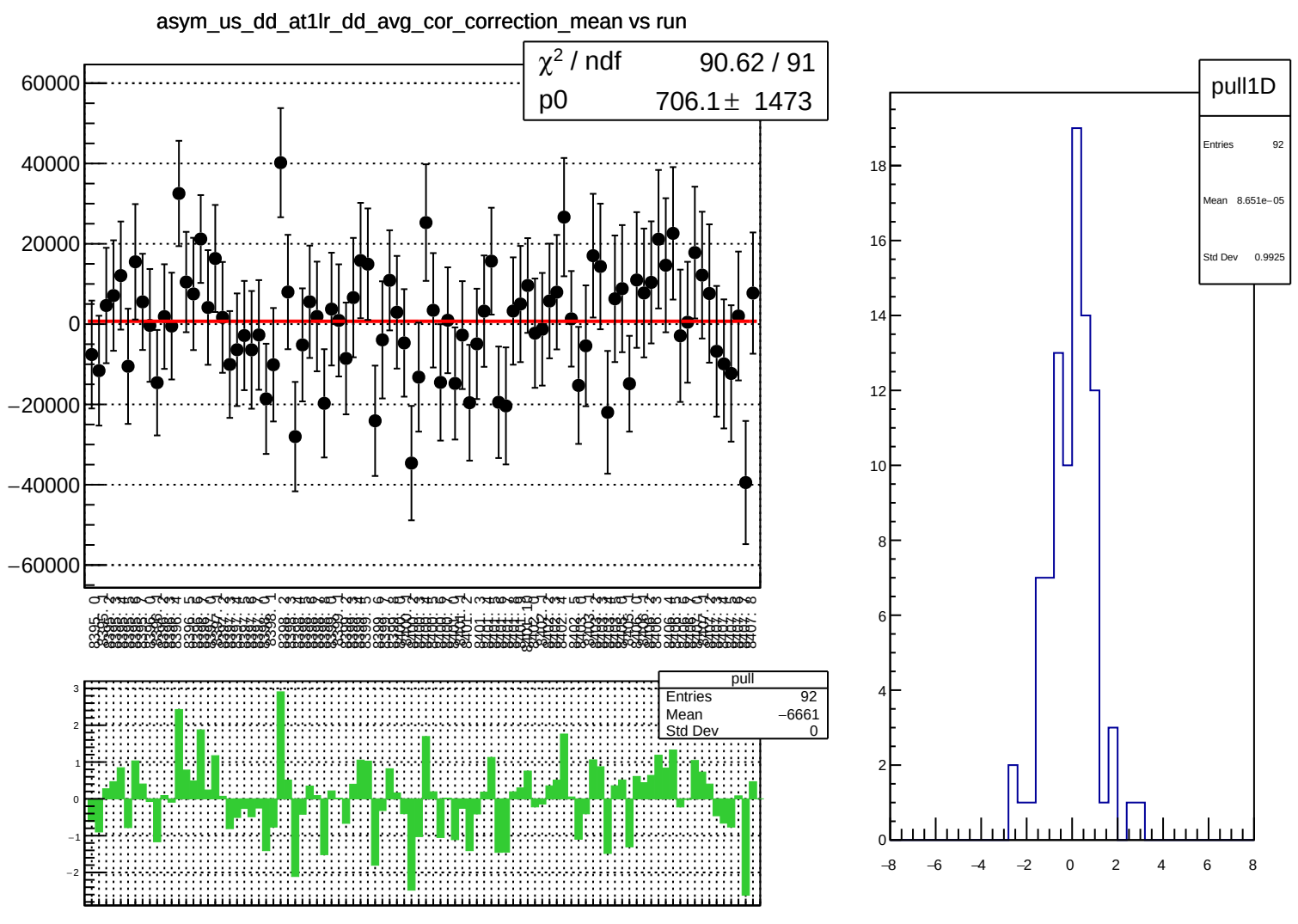

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 109.6 / 91
p0 2153 ± 1.64
2240
2220
2200
2180
2160
2140
2120
2100

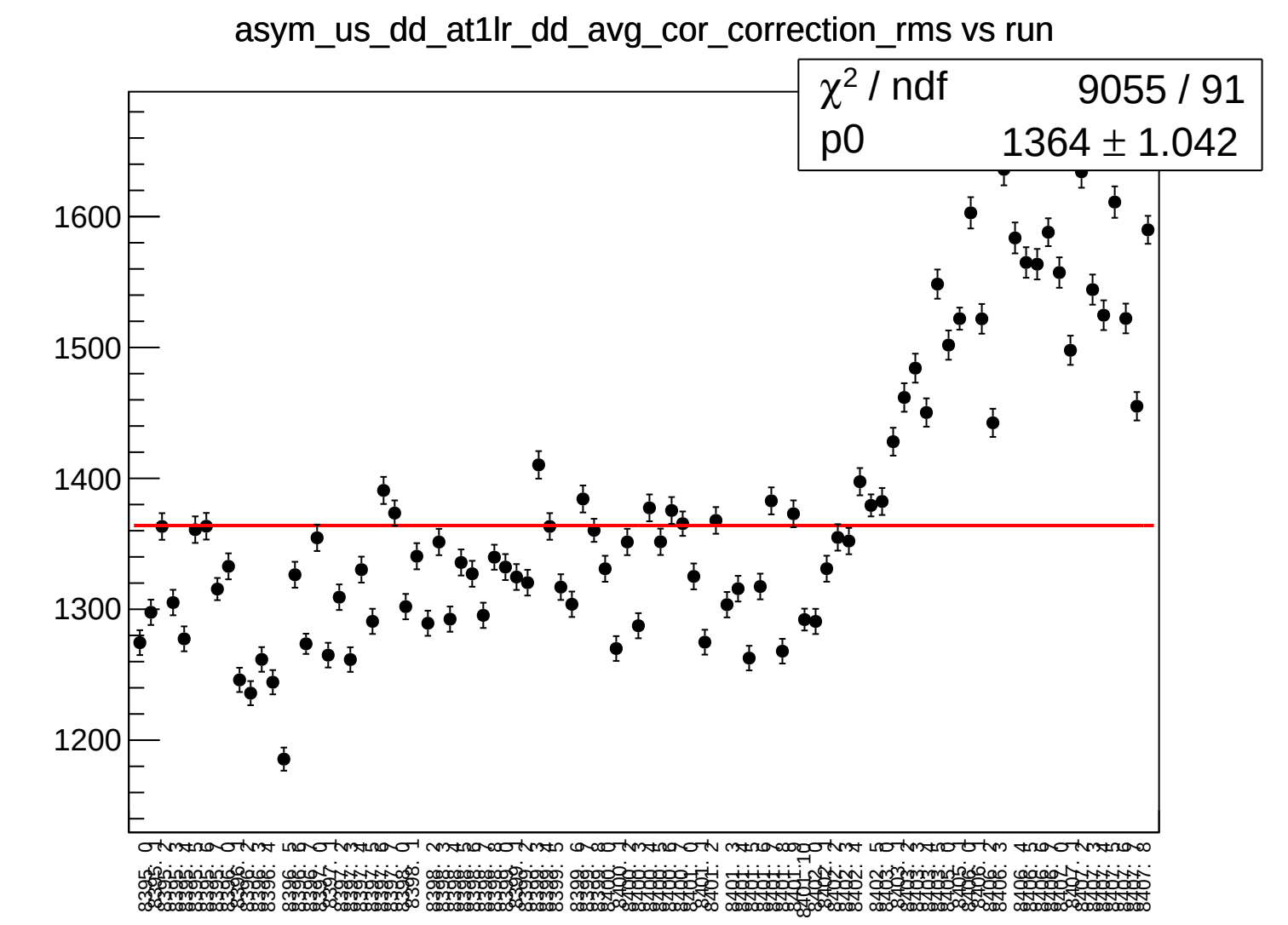

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 90.61 / 91
p0 705.6 ± 1473
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −7094
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 8.123e−05
Std Dev 0.9924
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

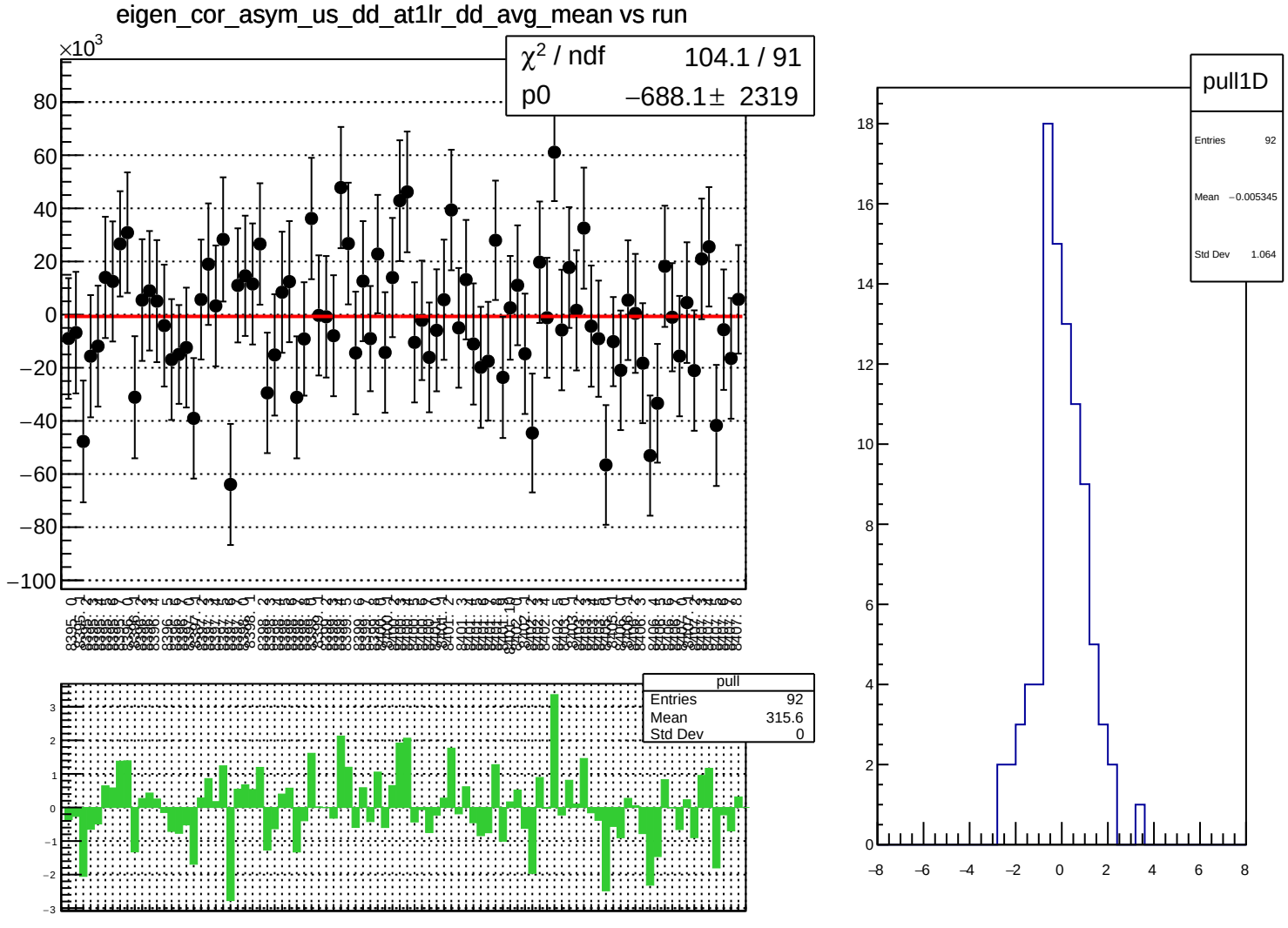

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
$\chi^2$ / ndf 9054 / 91
p0 1364 ± 1.042
1600
1500
1400
1300
1200

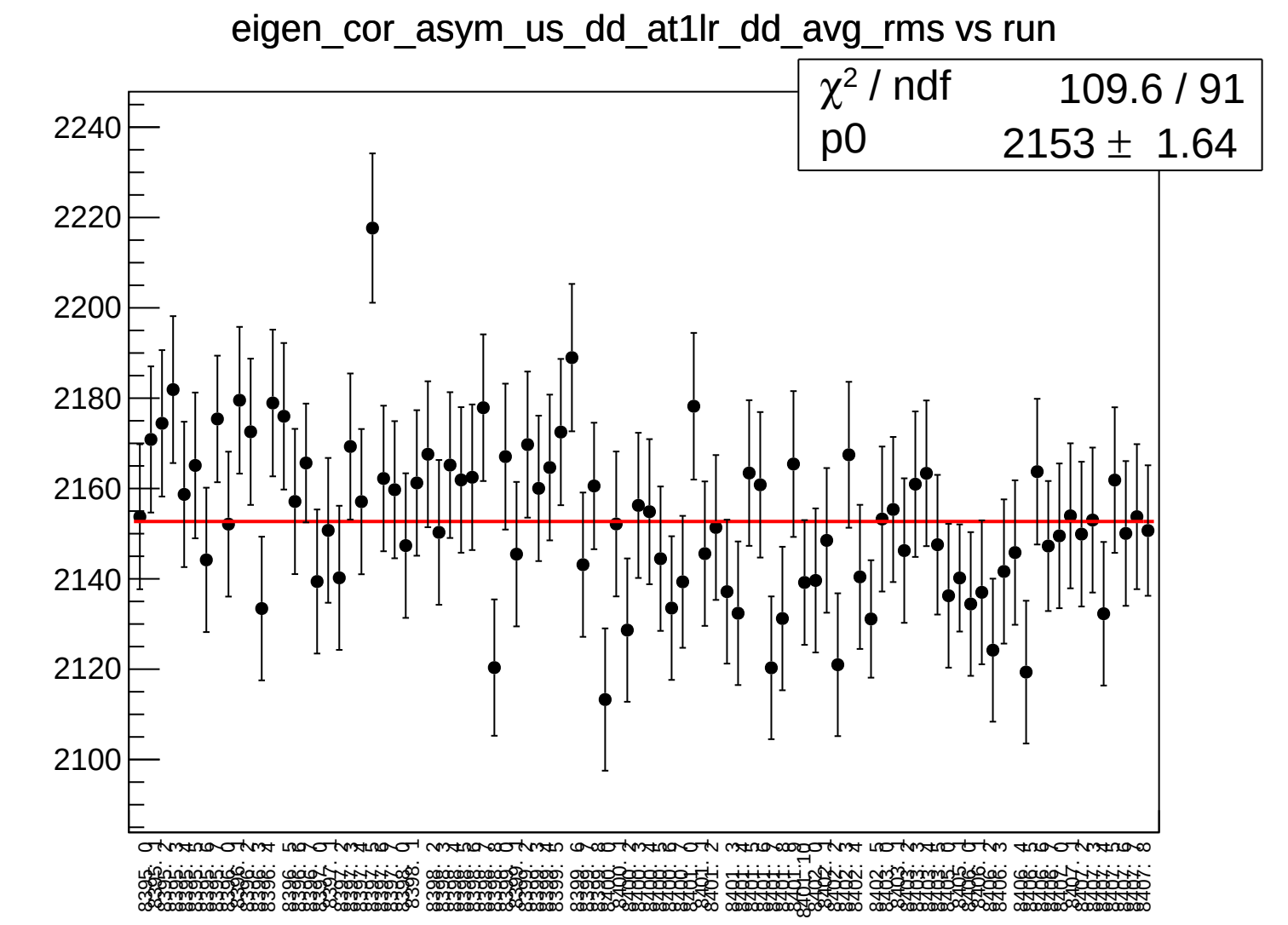

cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 104.1 / 91
p0 −688.1± 2319
pull
Entries 92
Mean 315.6
Std Dev 0
pull1D
Entries 92
Mean −0.005345
Std Dev 1.064

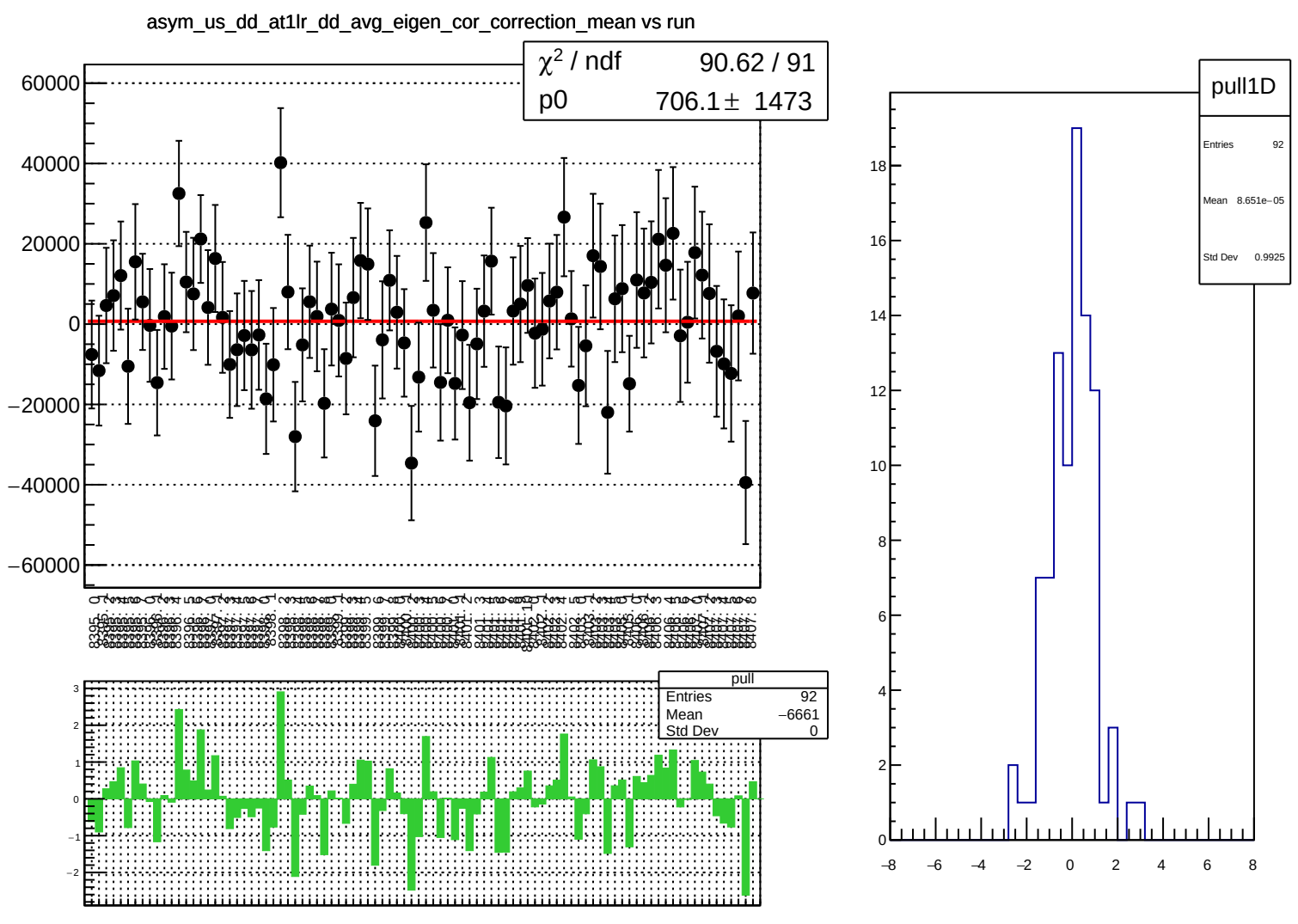

cor_asym_us_dd_at1lr_dd_avg_rms vs run
$\chi^2$ / ndf 109.6 / 91
p0 2153 ± 1.64
2240
2220
2200
2180
2160
2140
2120
2100

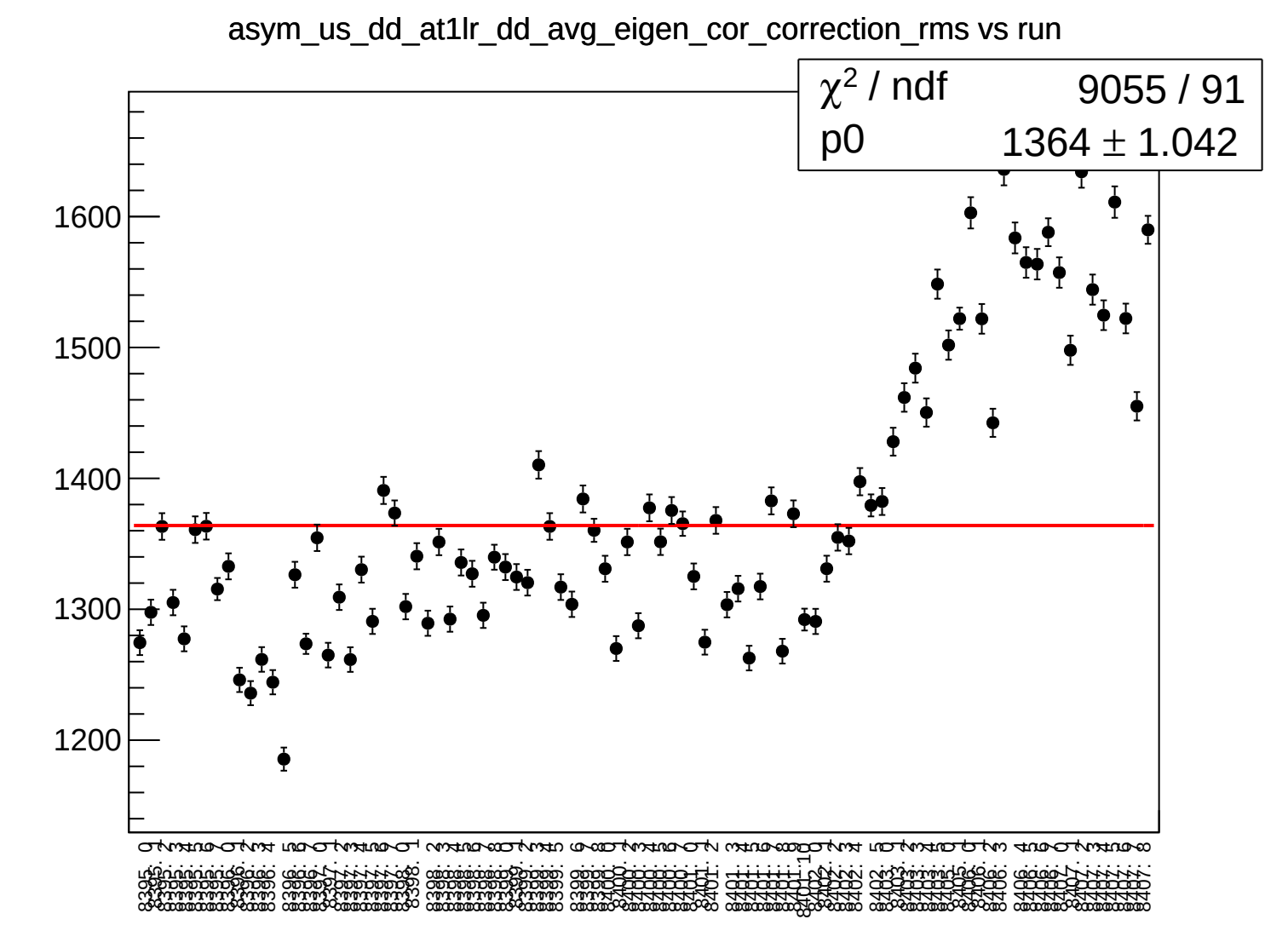

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 90.62 / 91
p0 706.1 ± 1473
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −6661
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 8.651e−05
Std Dev 0.9925
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

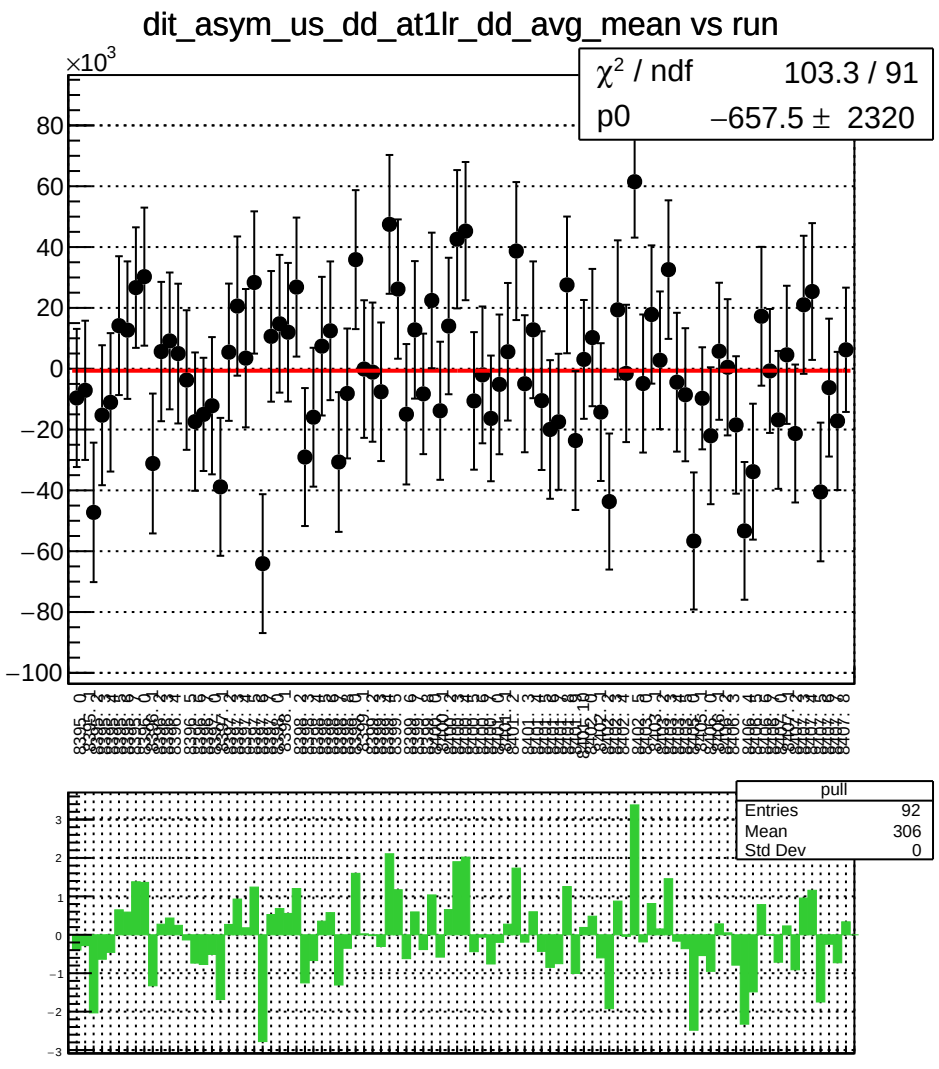

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 9055 / 91
p0 1364 ± 1.042
1600
1500
1400
1300
1200

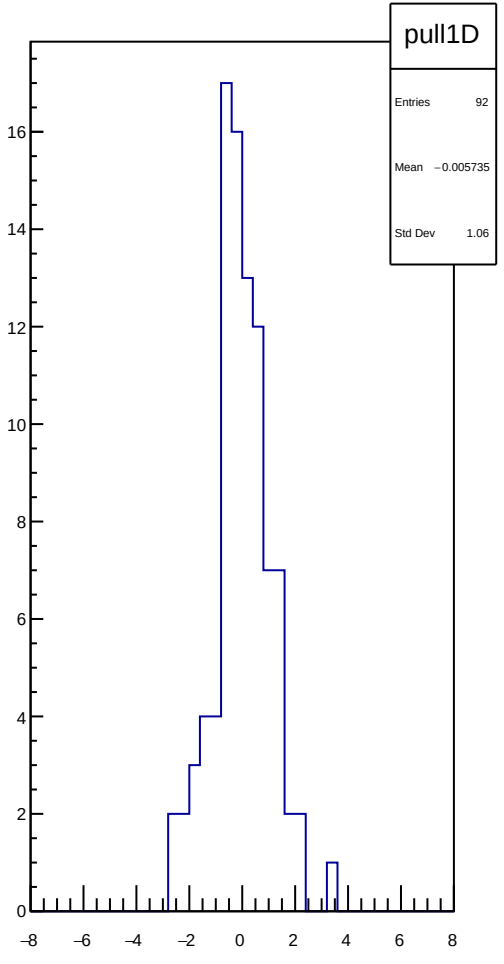

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 104.1 / 91
p0 −688.1± 2319
pull
Entries 92
Mean 315.6
Std Dev 0
pull1D
Entries 92
Mean −0.005345
Std Dev 1.064

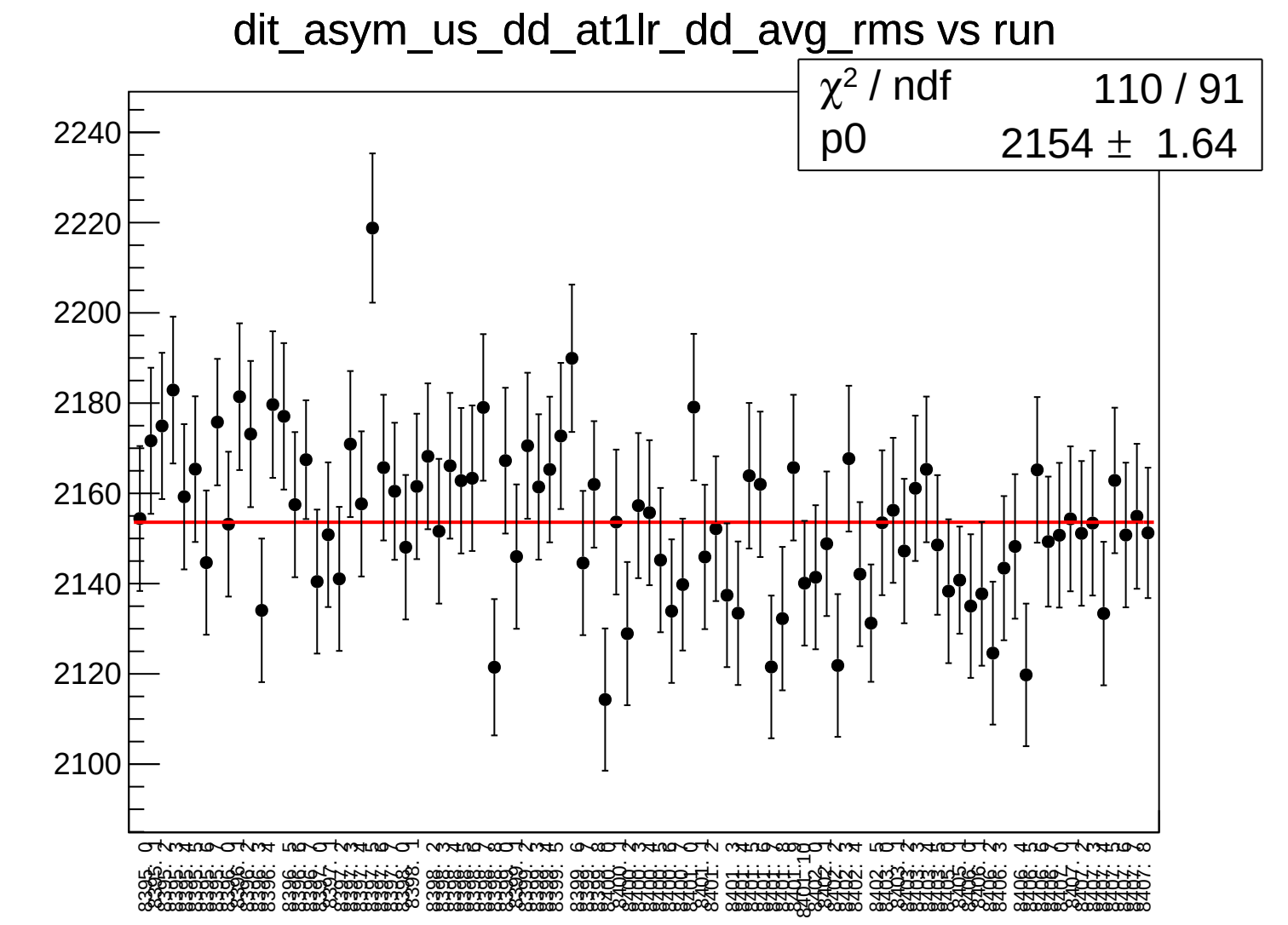

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 109.6 / 91
p0 2153 ± 1.64
2240
2220
2200
2180
2160
2140
2120
2100

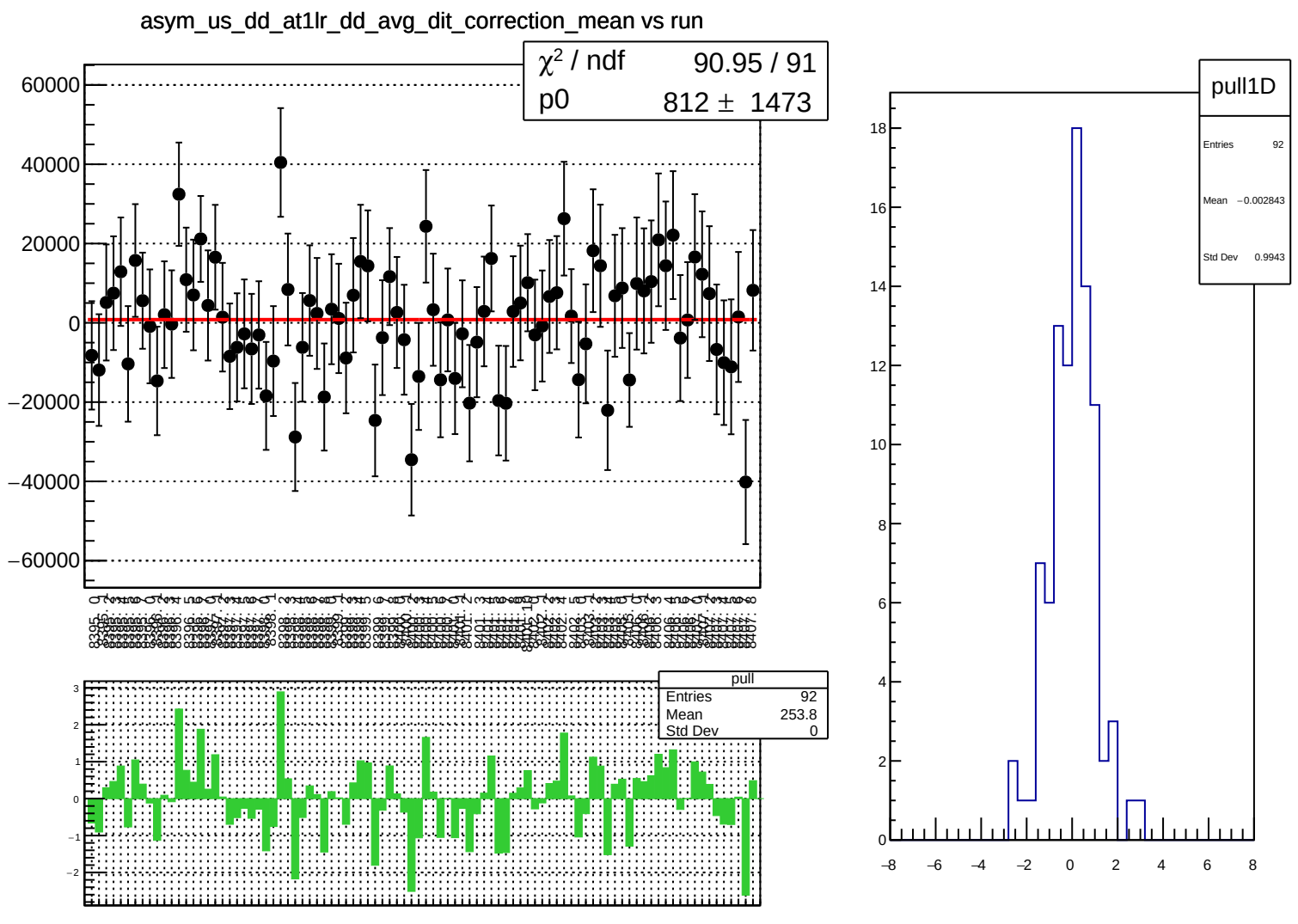

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 90.62 / 91
p0 706.1 ± 1473
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −6661
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 8.651e−05
Std Dev 0.9925
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

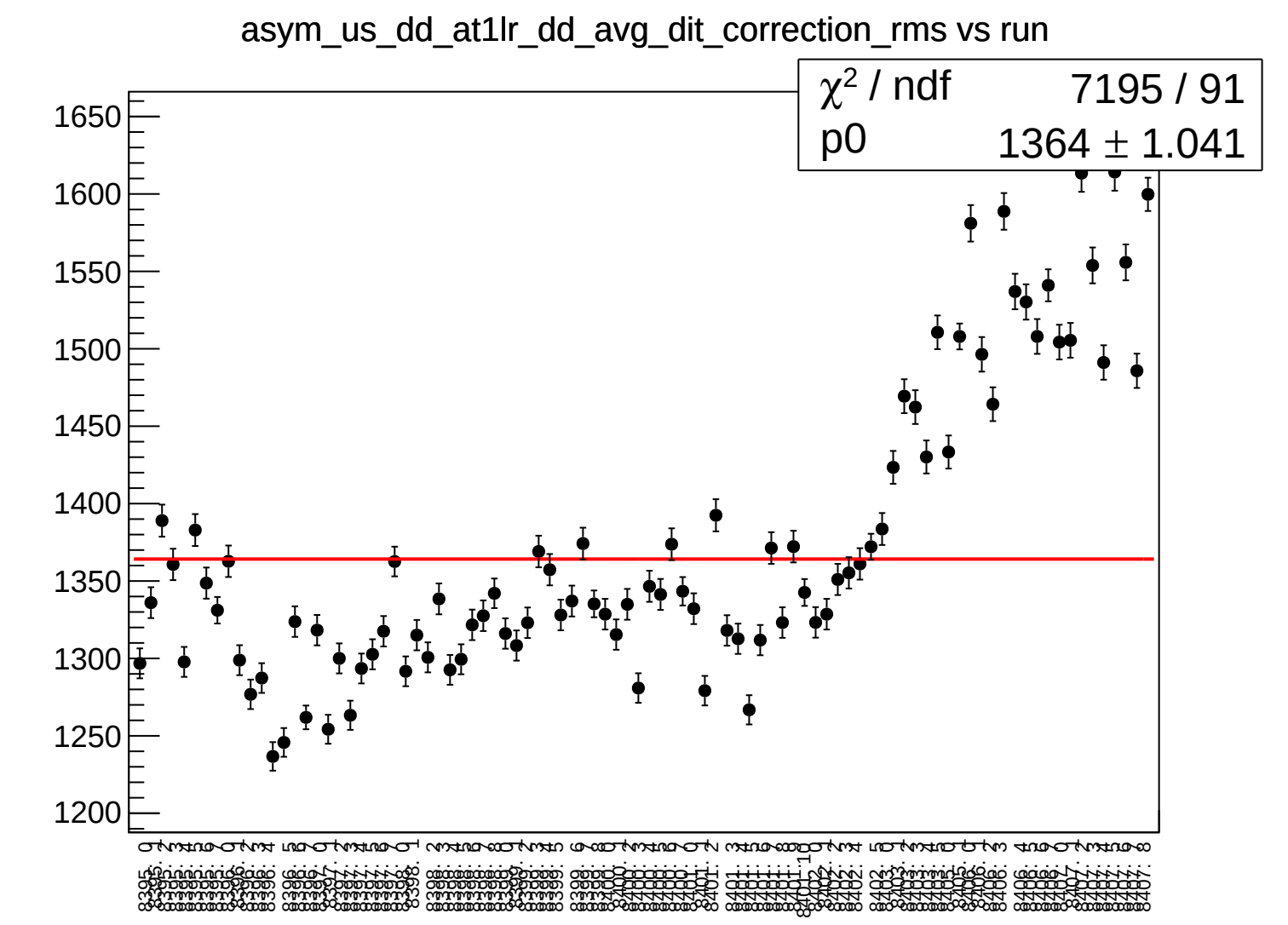

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 9055 / 91
p0 1364 ± 1.042
1600
1500
1400
1300
1200

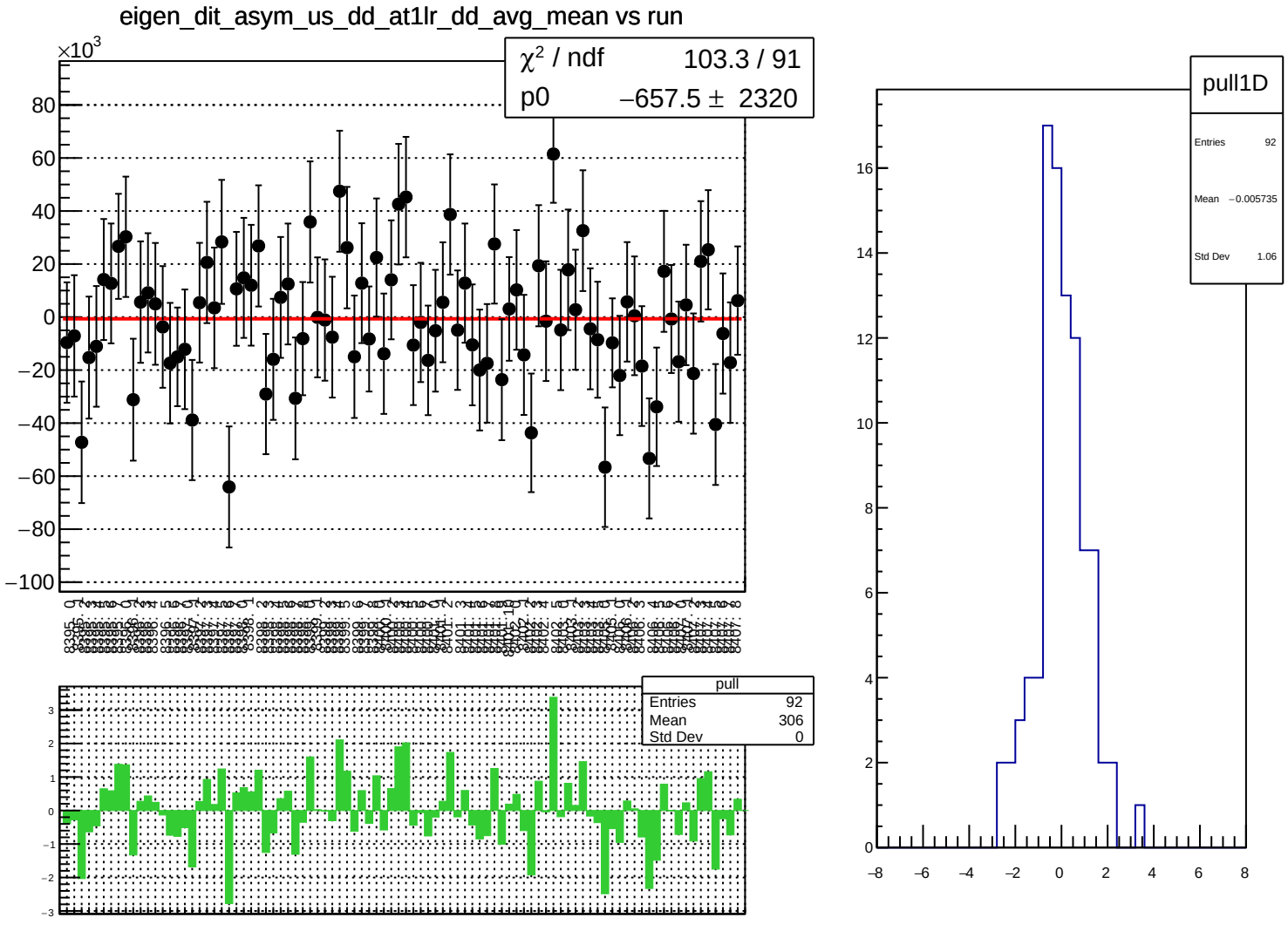

dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 103.3 / 91
p0 −657.5 ± 2320
pull
Entries 92
Mean 306
Std Dev 0

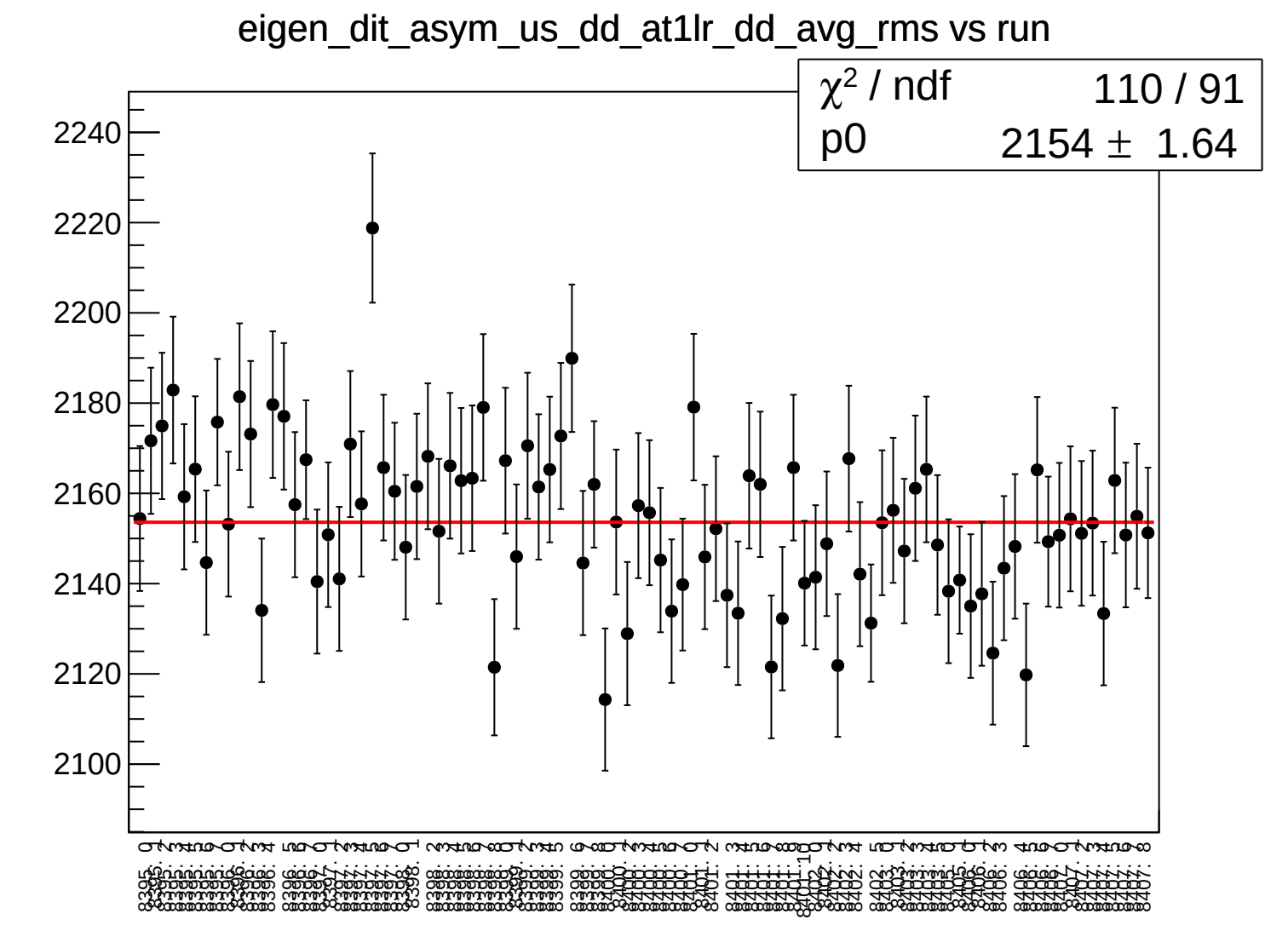

pull1D
Entries 92
Mean −0.005735
Std Dev 1.06

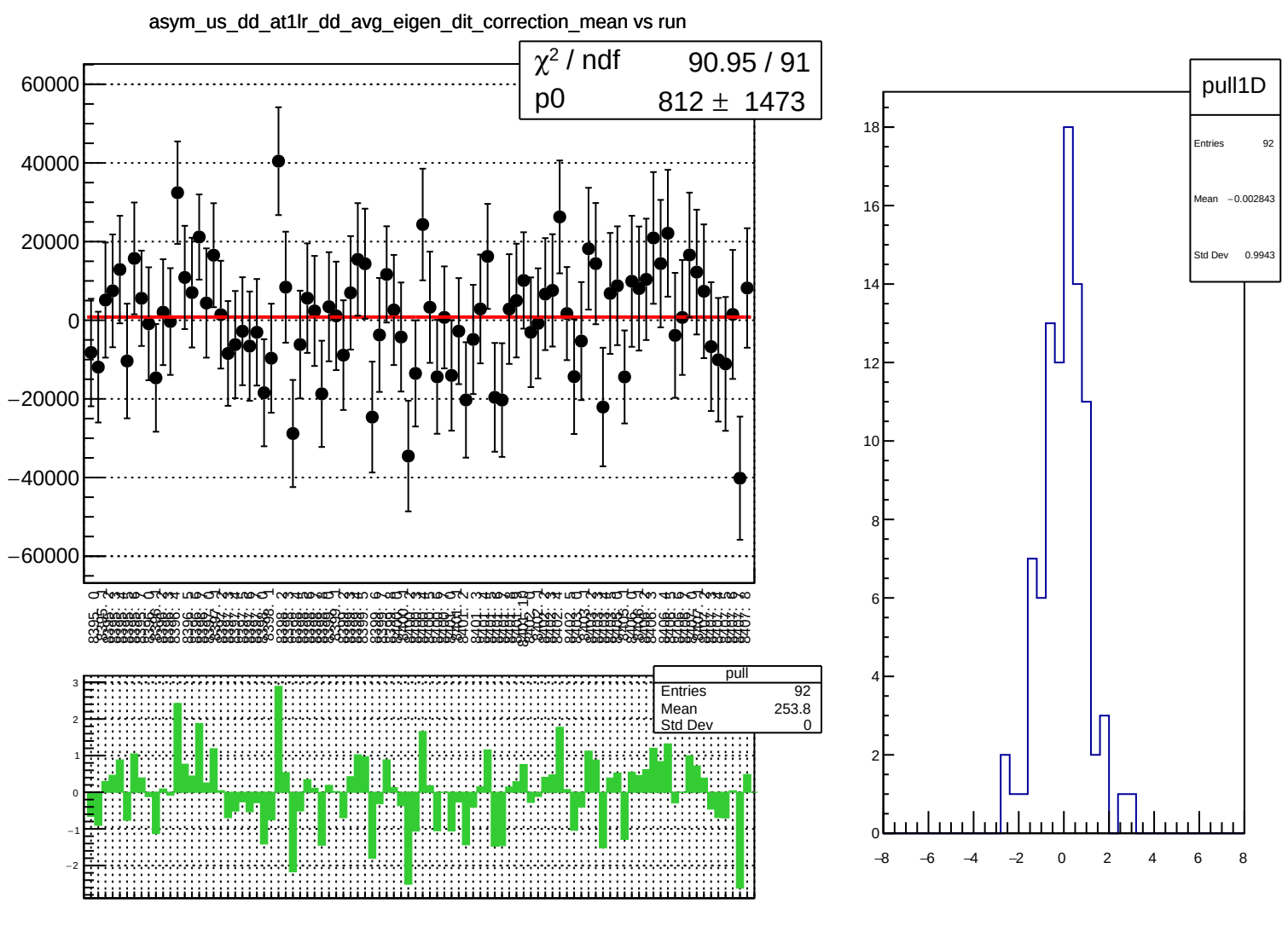

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 110 / 91
p0 2154 ± 1.64
2240
2220
2200
2180
2160
2140
2120
2100

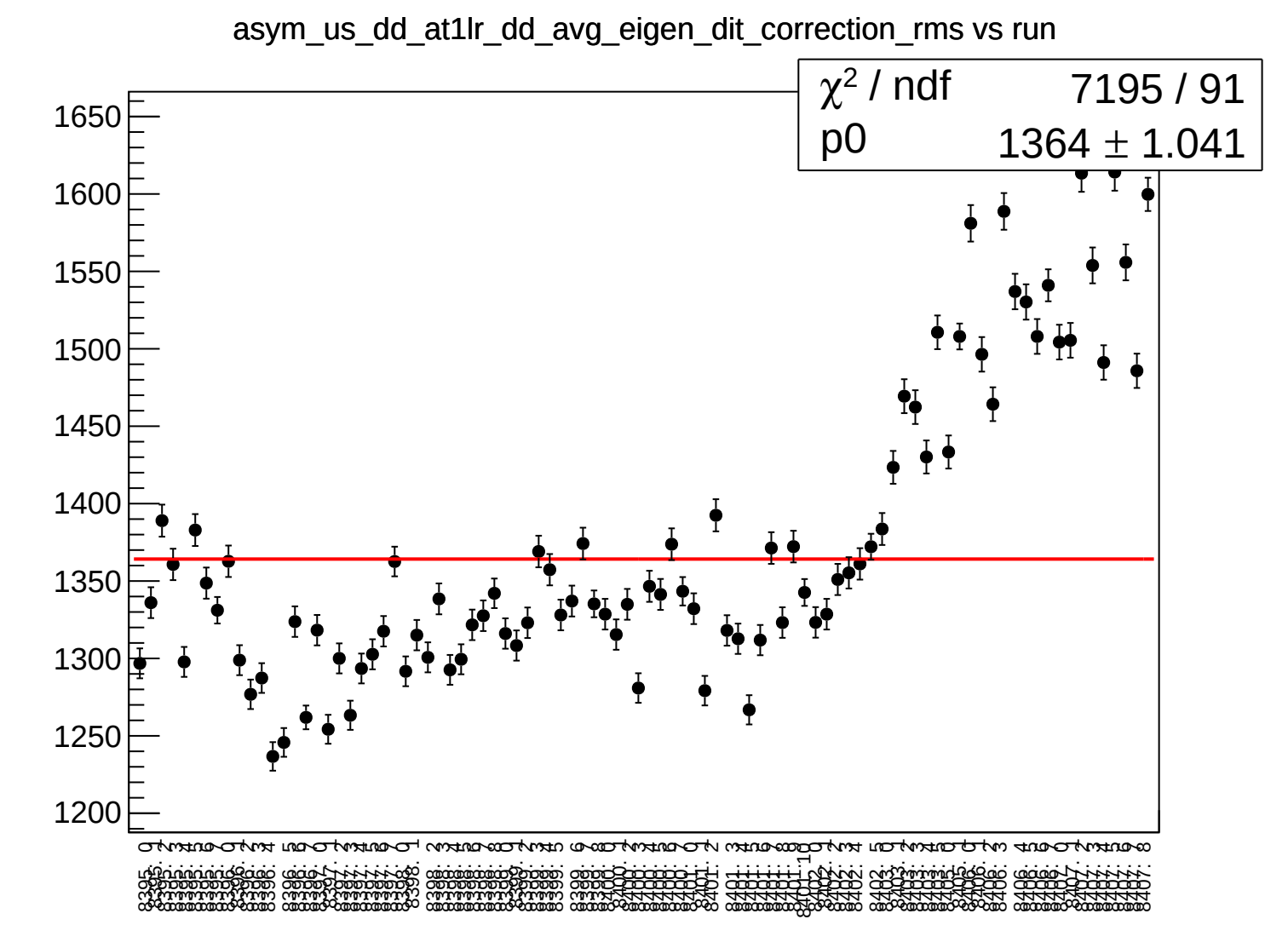

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 90.95 / 91
p0 812 ± 1473
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 253.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002843
Std Dev 0.9943
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

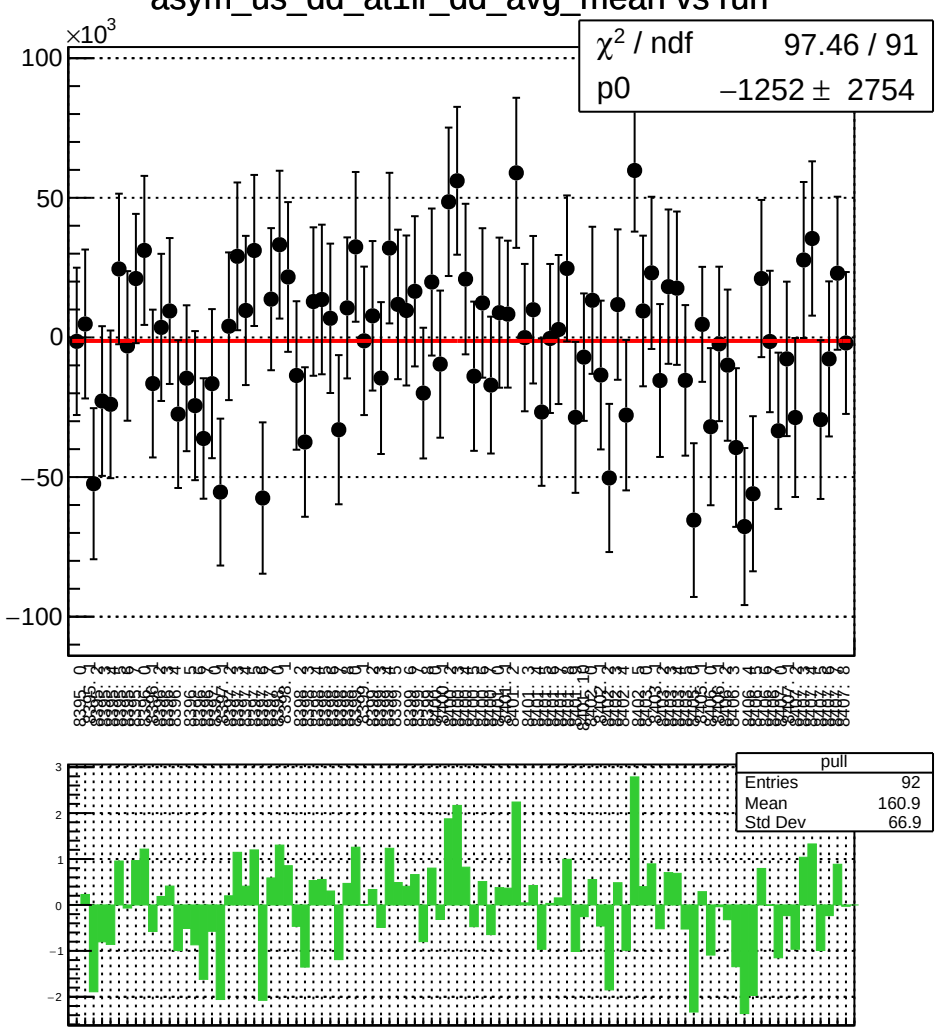

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 7195 / 91
p0 1364 ± 1.041
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

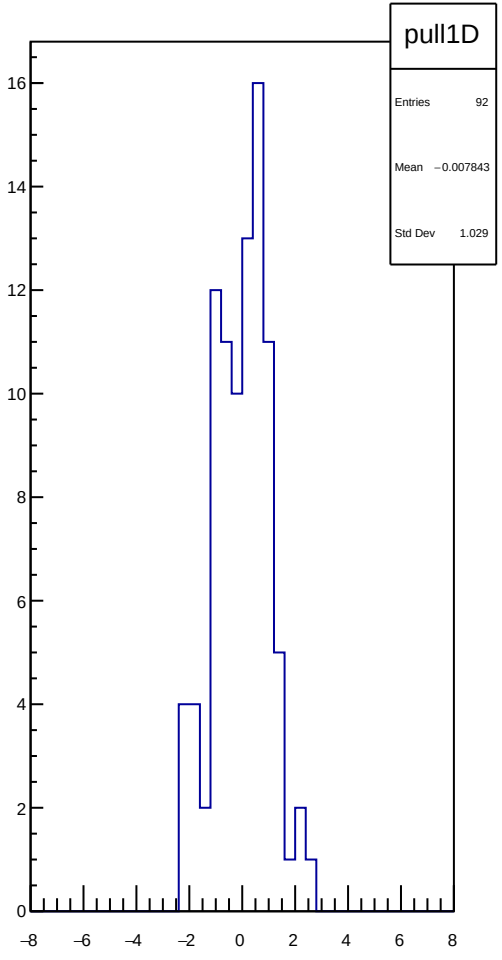

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 103.3 / 91
p0 −657.5 ± 2320
pull
Entries 92
Mean 306
Std Dev 0
pull1D
Entries 92
Mean −0.005735
Std Dev 1.06

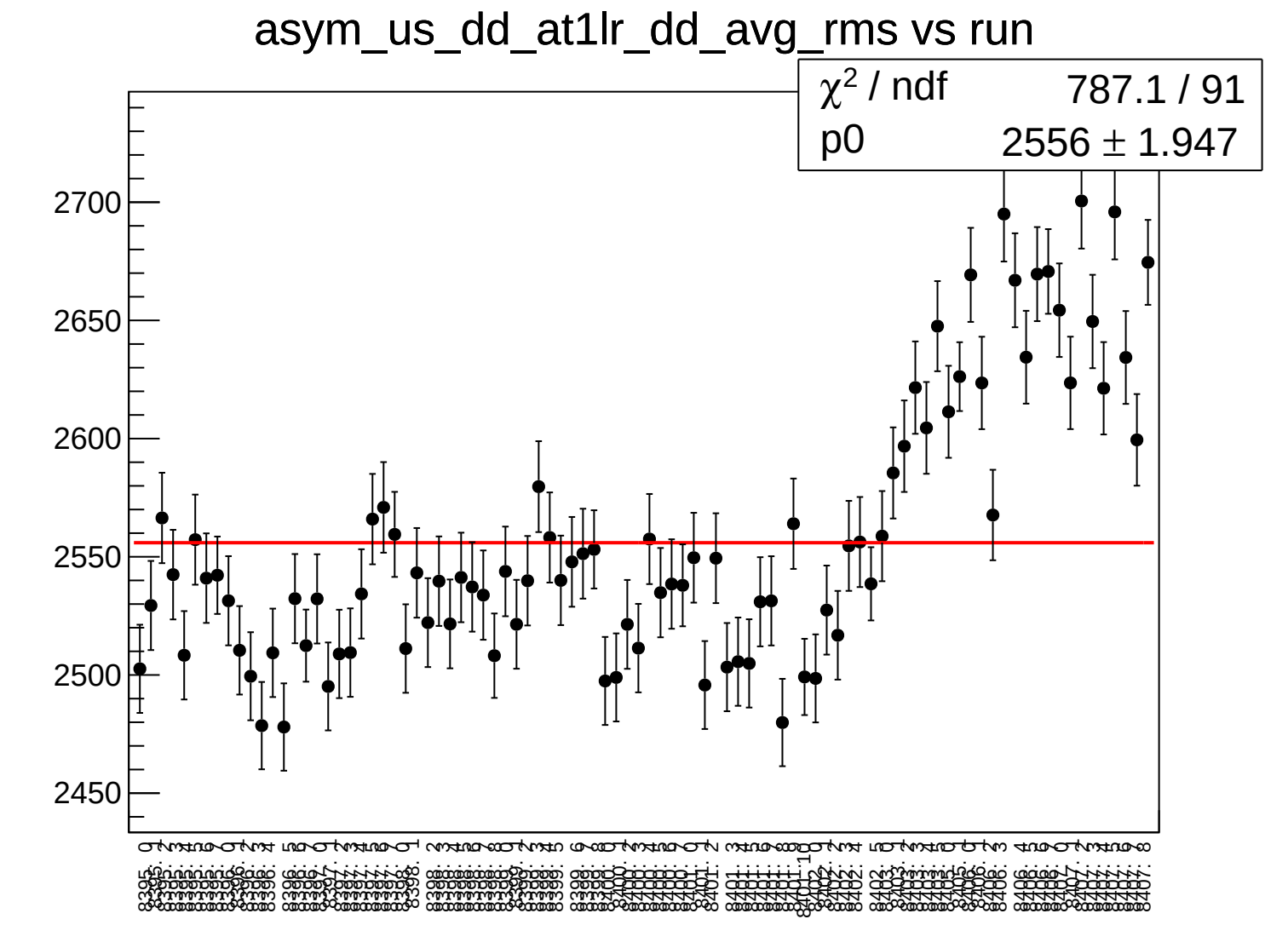

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 110 / 91
p0 2154 ± 1.64
2240
2220
2200
2180
2160
2140
2120
2100

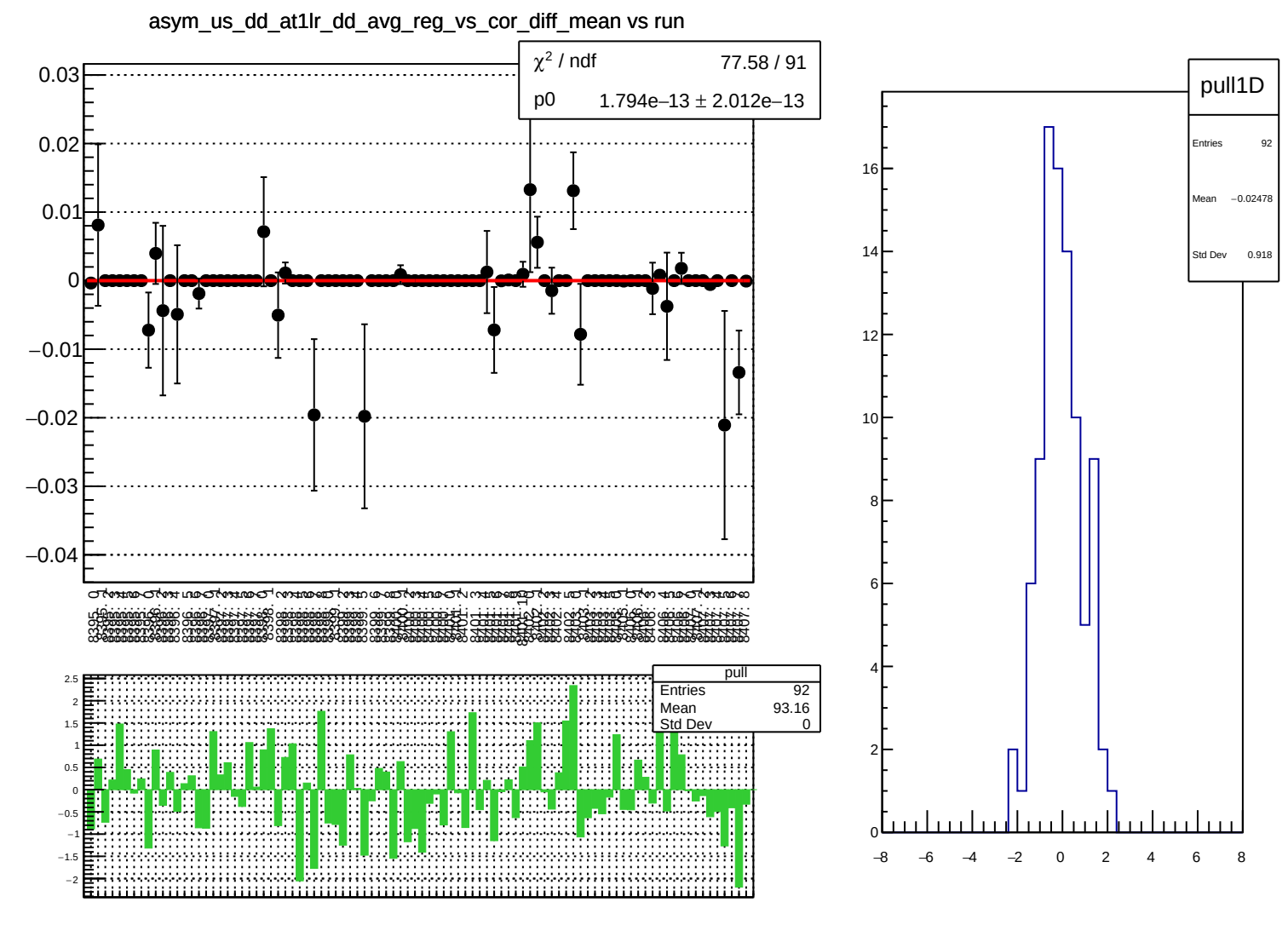

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 90.95 / 91
p0 812 ± 1473
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 253.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002843
Std Dev 0.9943
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

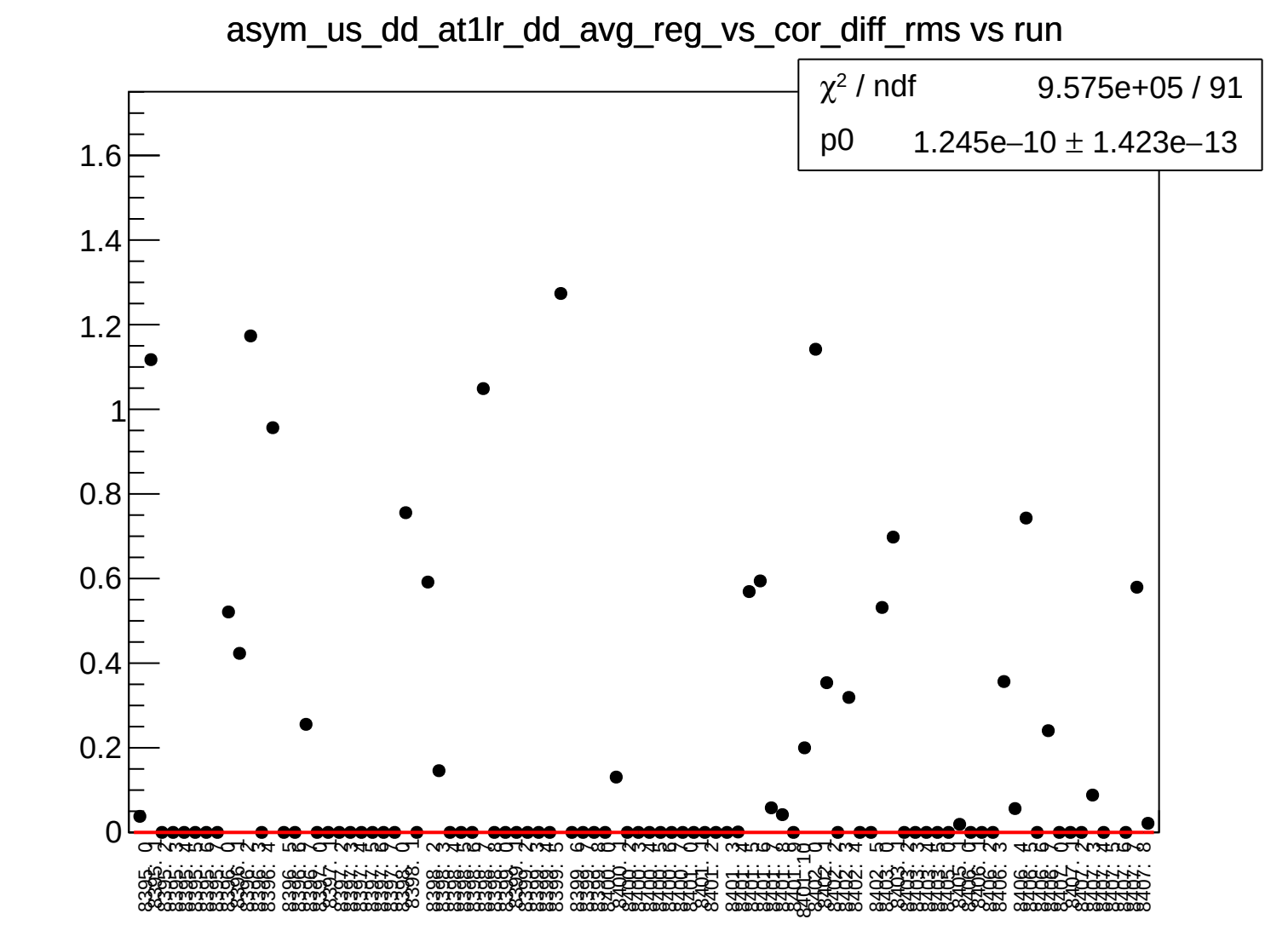

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7195 / 91
p0 1364 ± 1.041
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

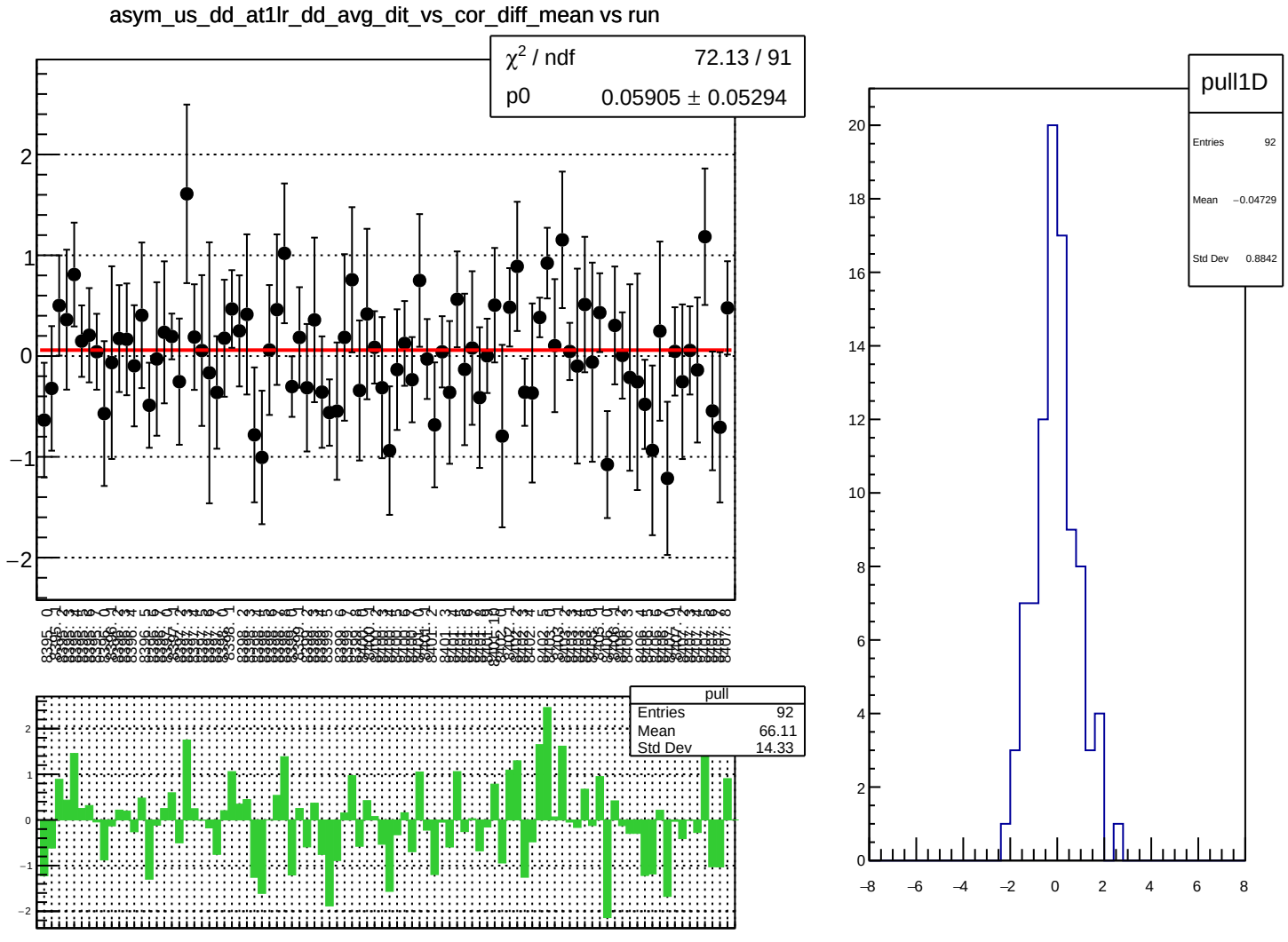

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 97.46 / 91
p0 −1252 ± 2754
100
50
0
−50
−100
pull
Entries 92
Mean 160.9
Std Dev 66.9
3
2
1
0
−1
−2

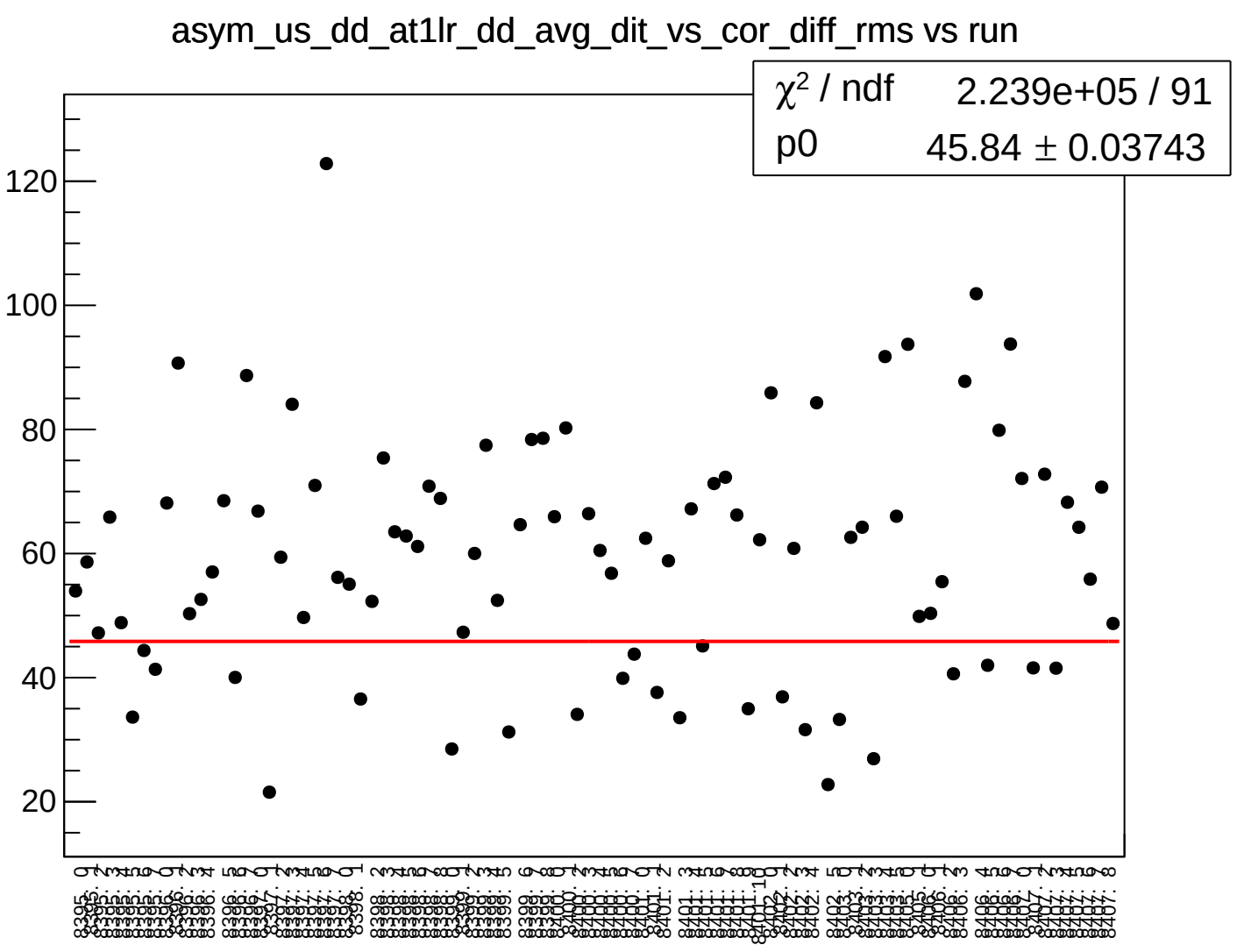

pull1D
Entries 92
Mean −0.007843
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

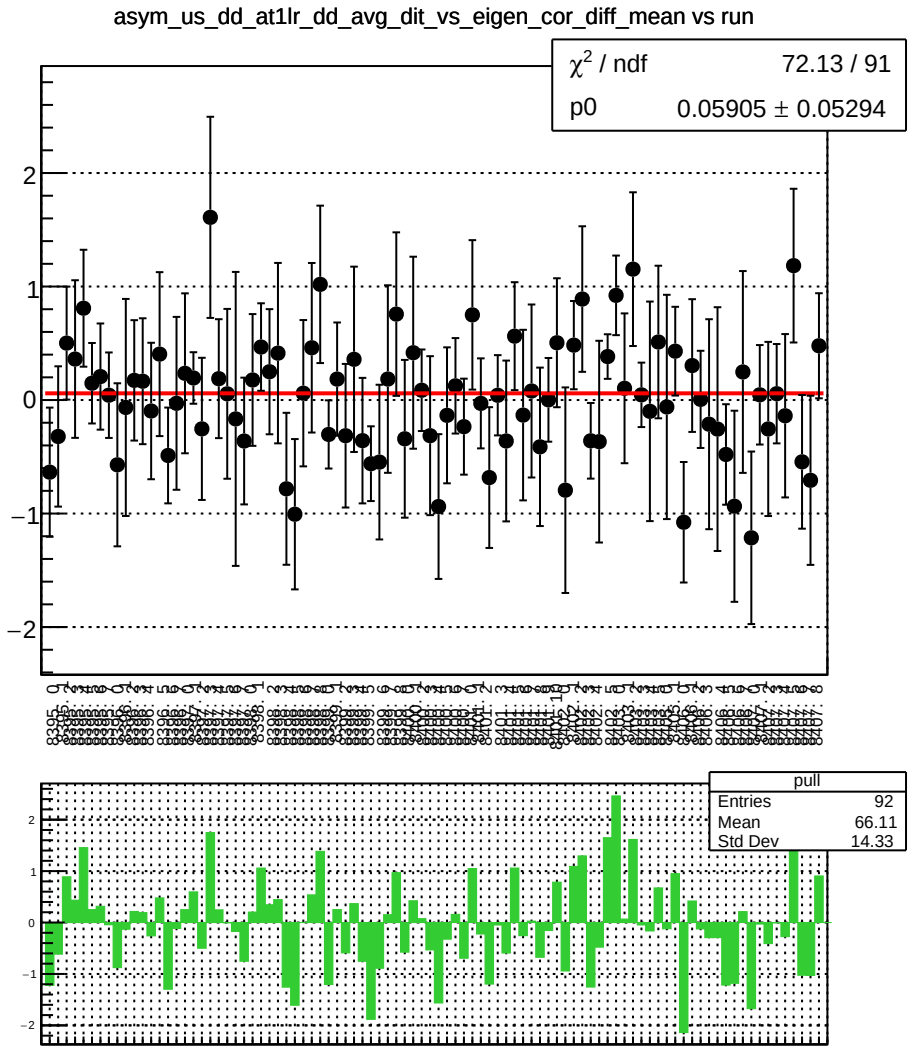

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 787.1 / 91
p0 2556 ± 1.947
2700
2650
2600
2550
2500
2450

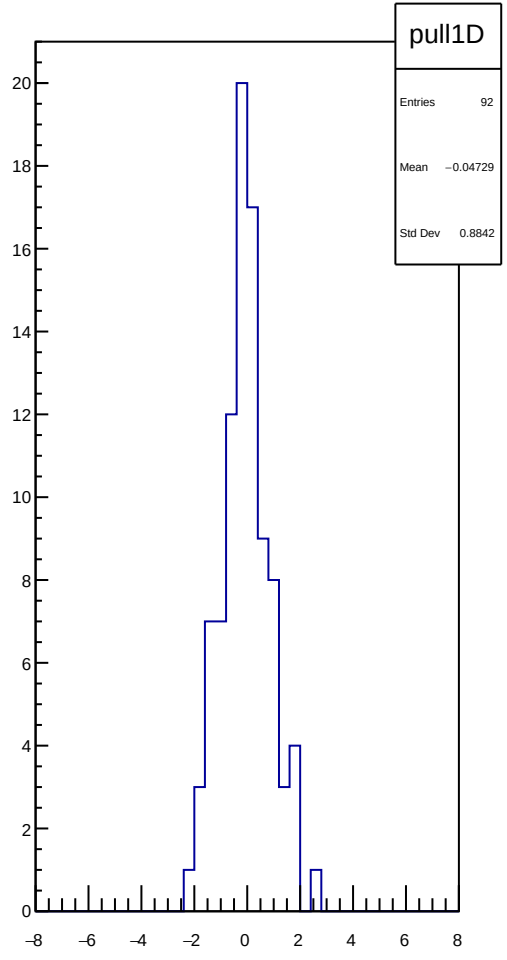

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.58 / 91
p0 1.794e−13 ± 2.012e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 92
Mean 93.16
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.02478
Std Dev 0.918
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

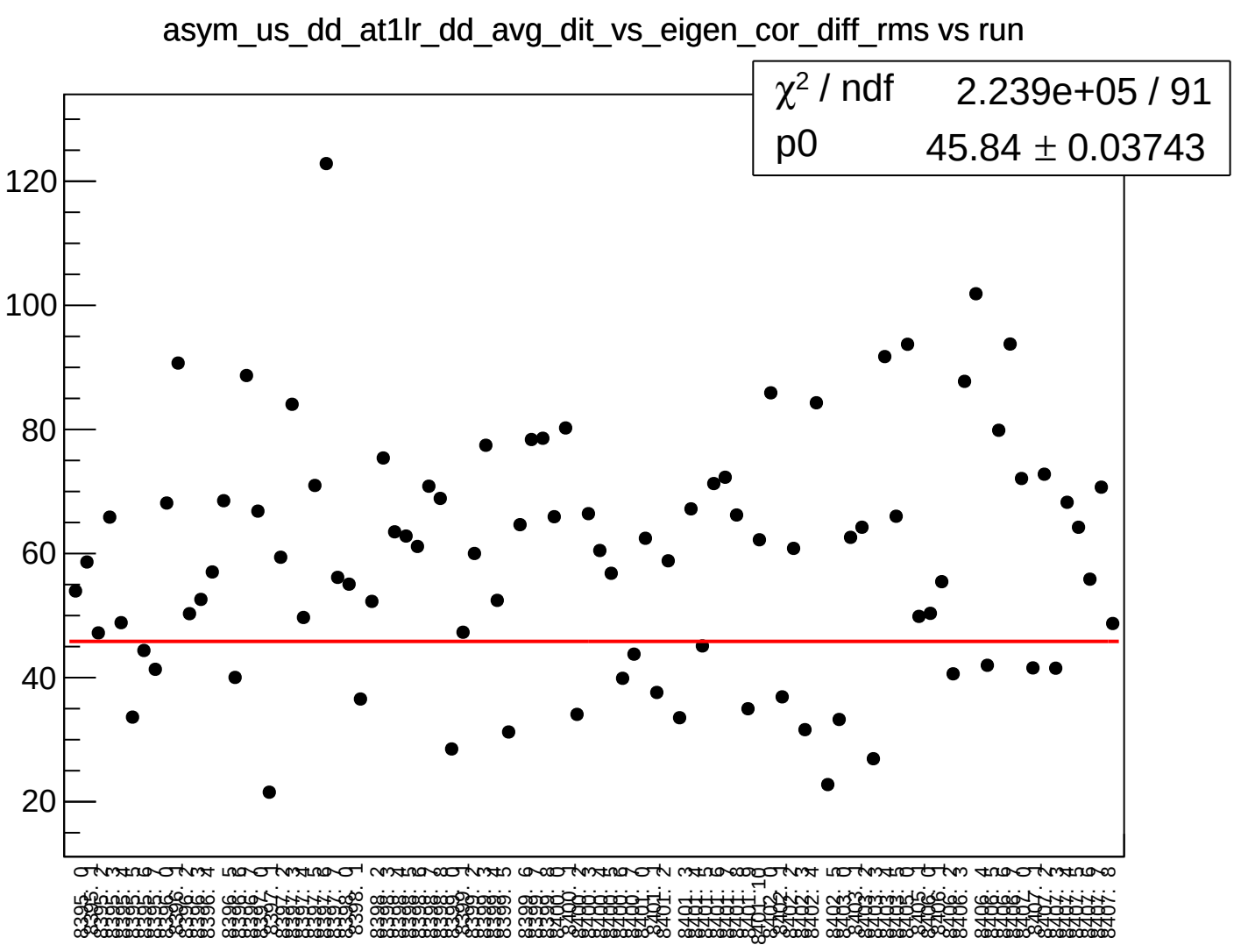

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.575e+05 / 91
p0 1.245e−10 ± 1.423e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

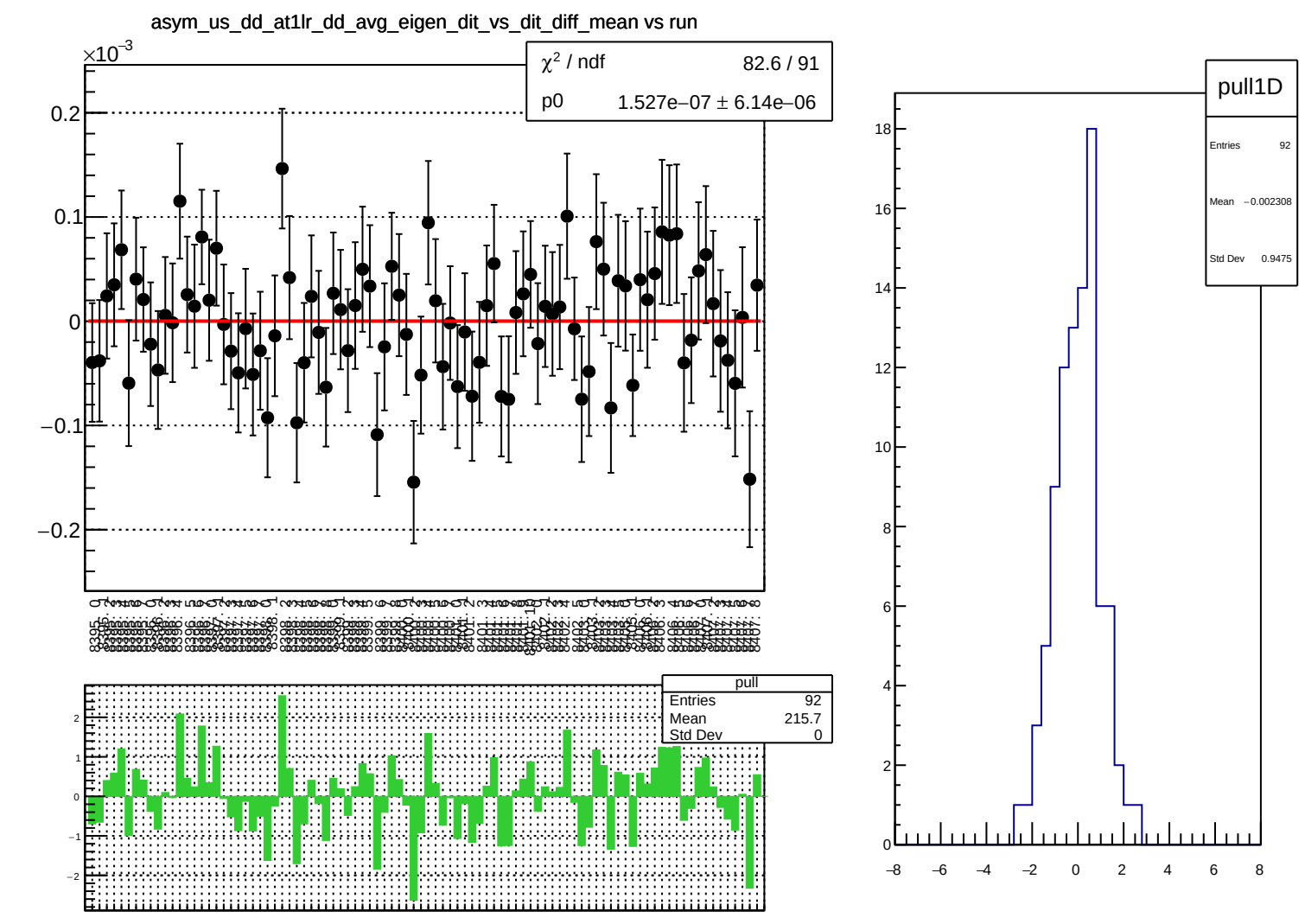

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.13 / 91
p0 0.05905 ± 0.05294
pull
Entries 92
Mean 66.11
Std Dev 14.33
pull1D
Entries 92
Mean −0.04729
Std Dev 0.8842

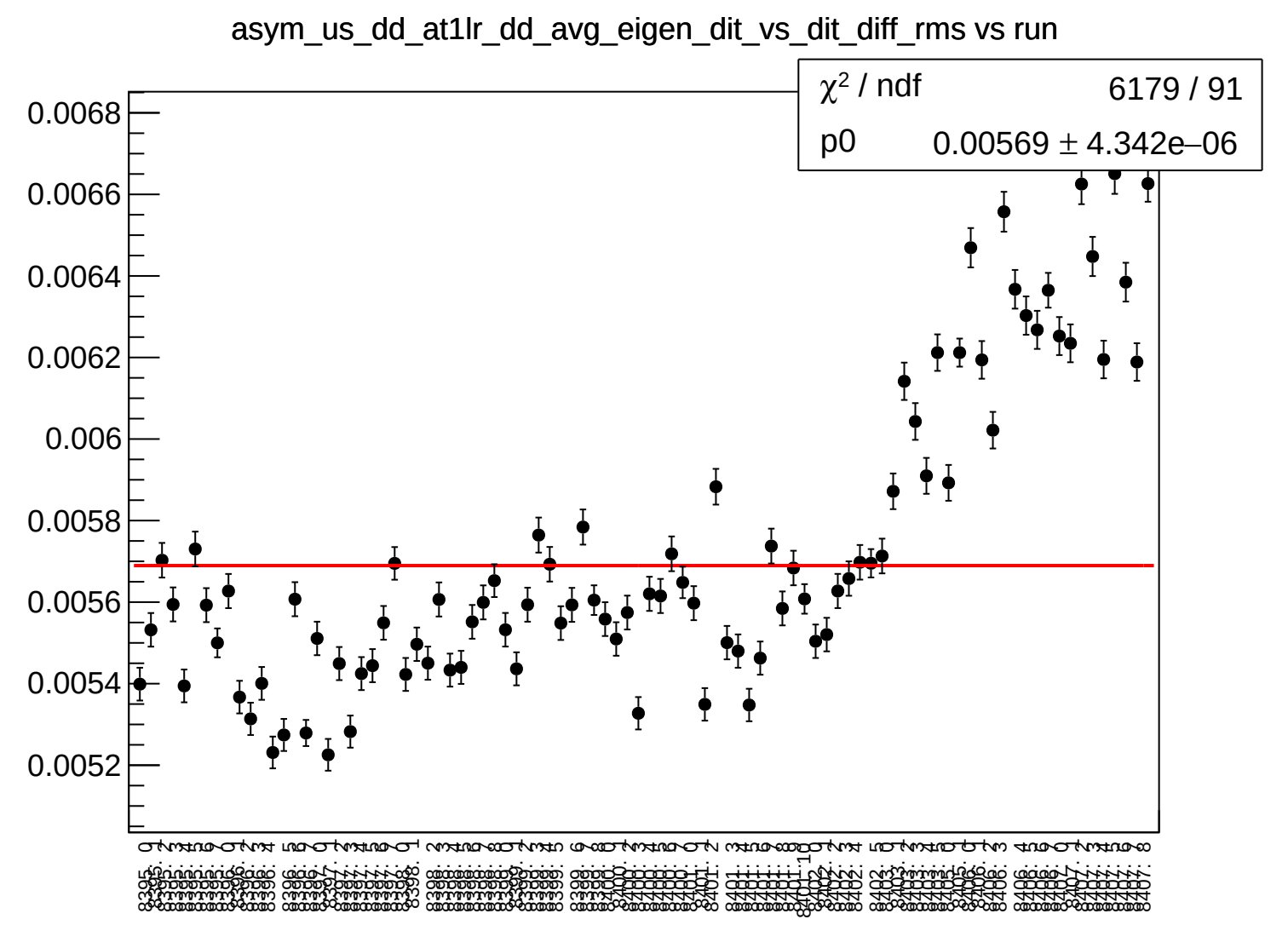

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.239e+05 / 91
p0 45.84 ± 0.03743
120
100
80
60
40
20

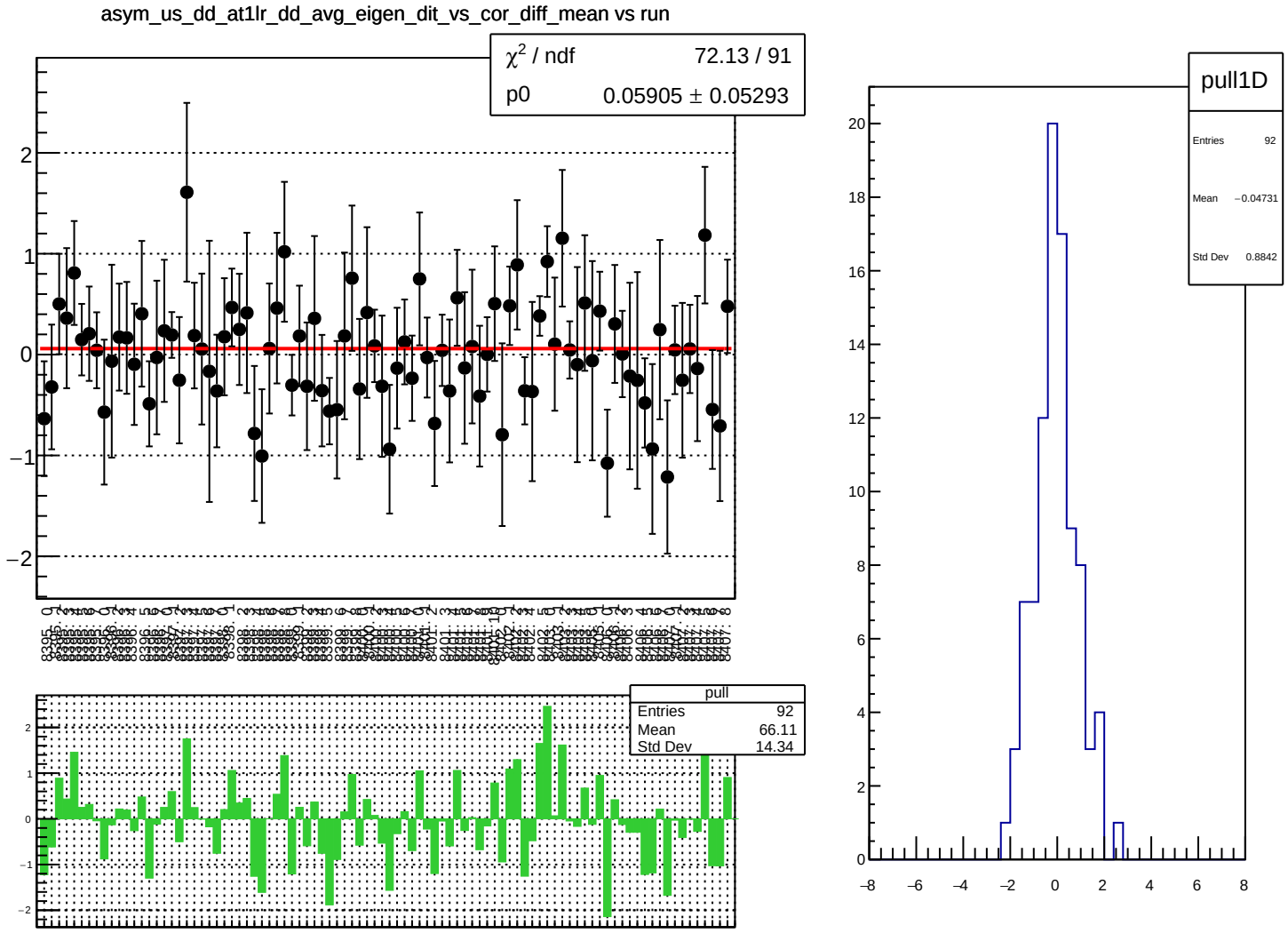

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.13 / 91
p0 0.05905 ± 0.05294
pull
Entries 92
Mean 66.11
Std Dev 14.33

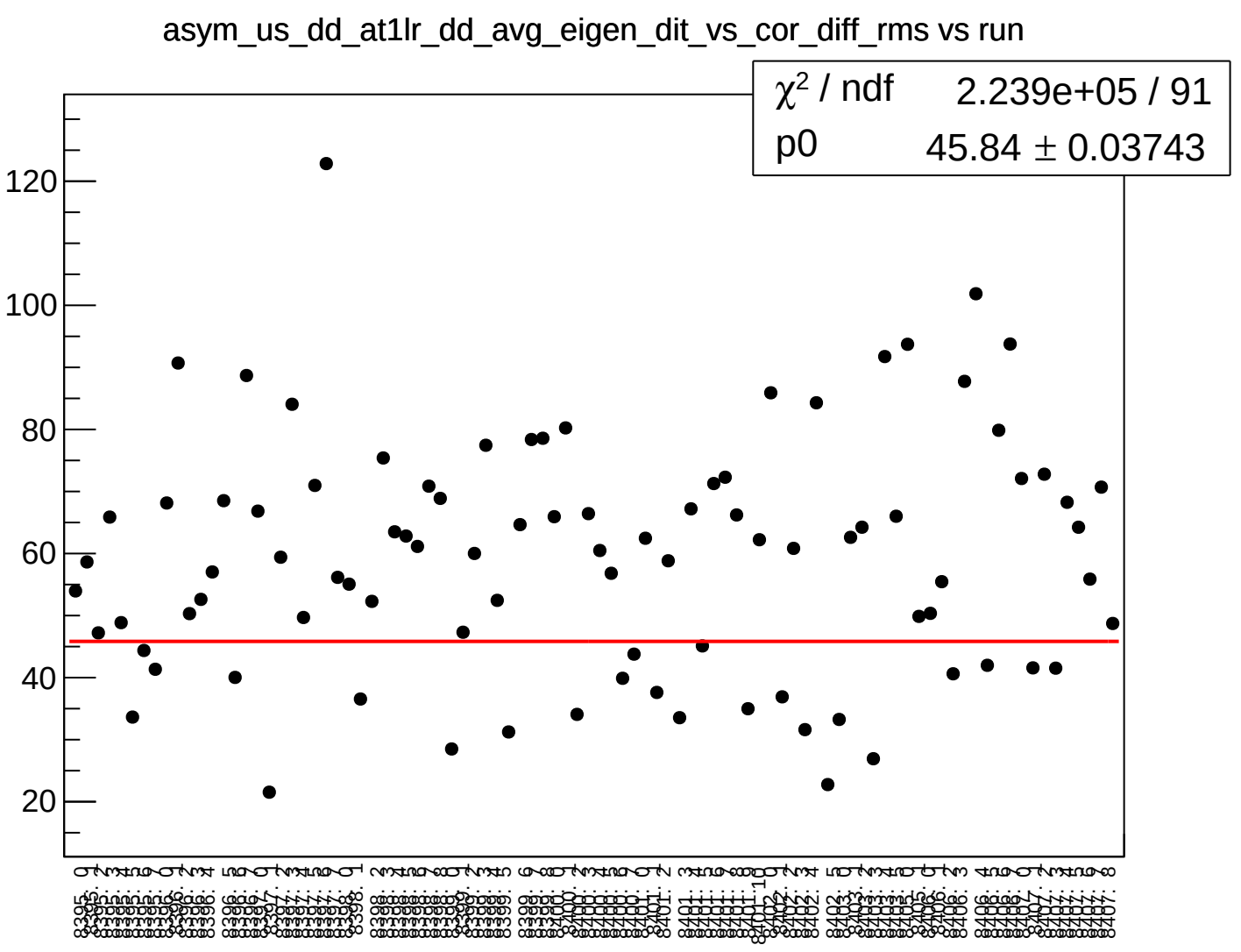

pull1D
Entries 92
Mean −0.04729
Std Dev 0.8842

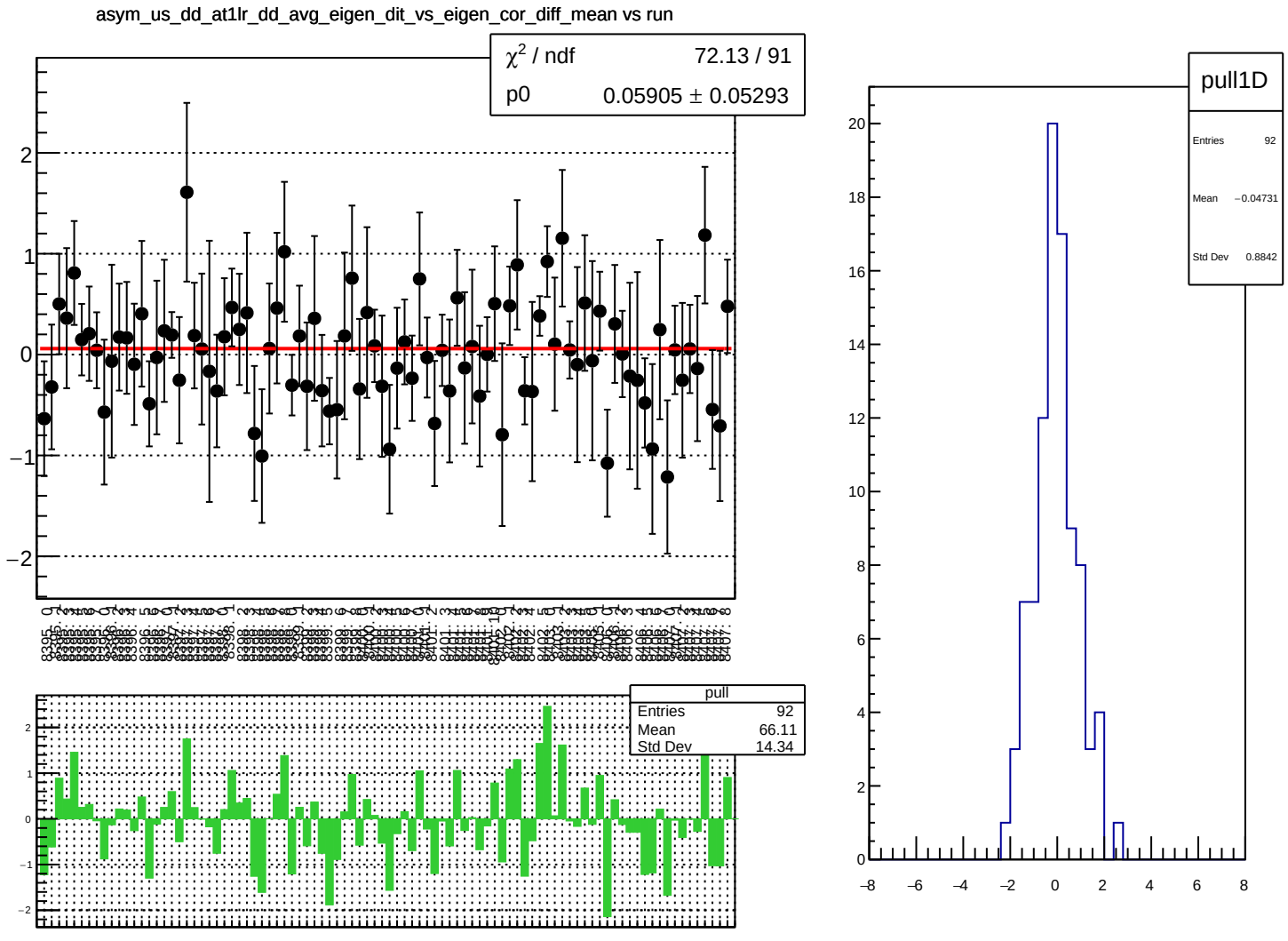

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.239e+05 / 91
p0 45.84 ± 0.03743
120
100
80
60
40
20

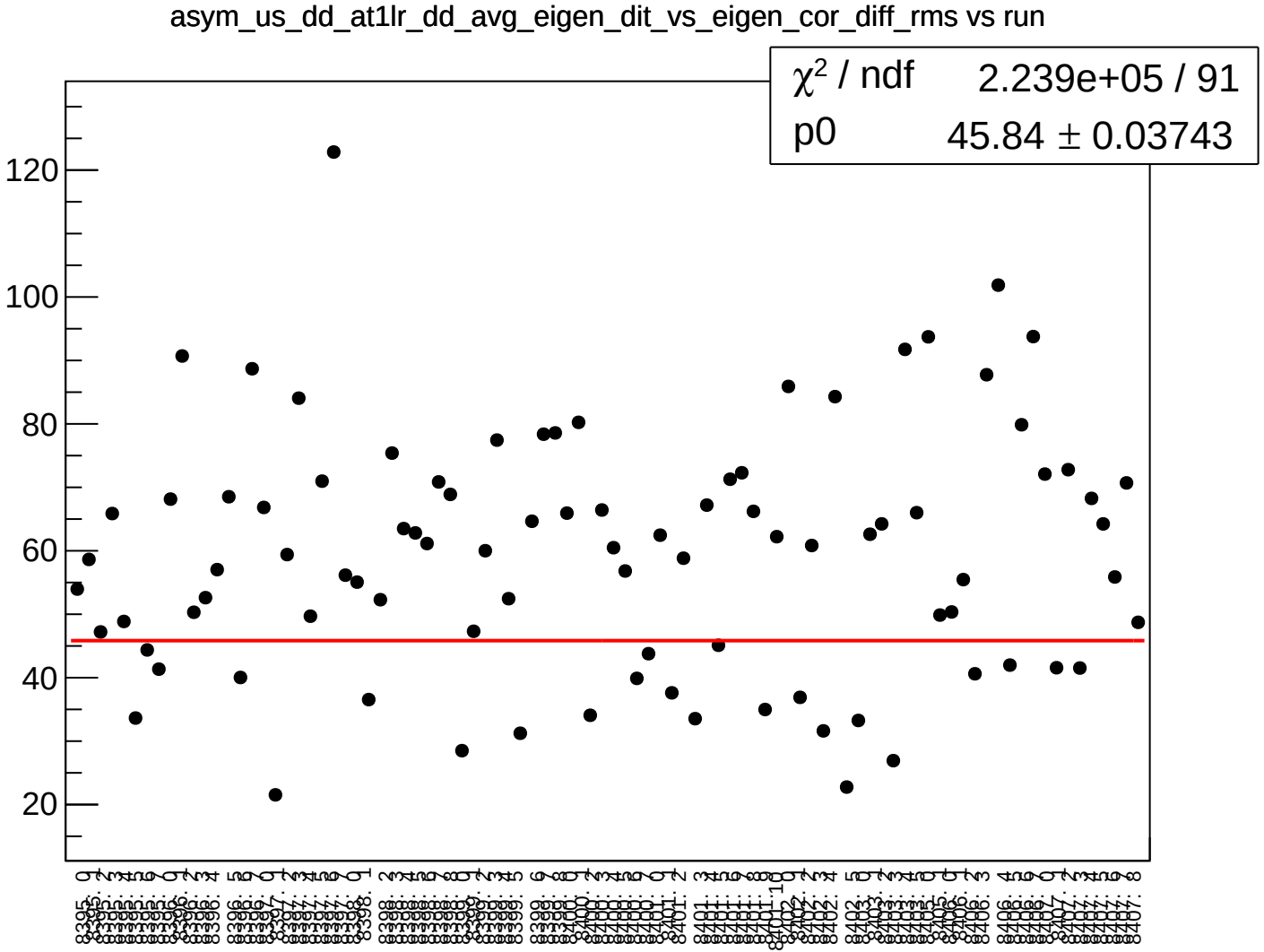

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.6 / 91
p0 1.527e−07 ± 6.14e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 92
Mean 215.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002308
Std Dev 0.9475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

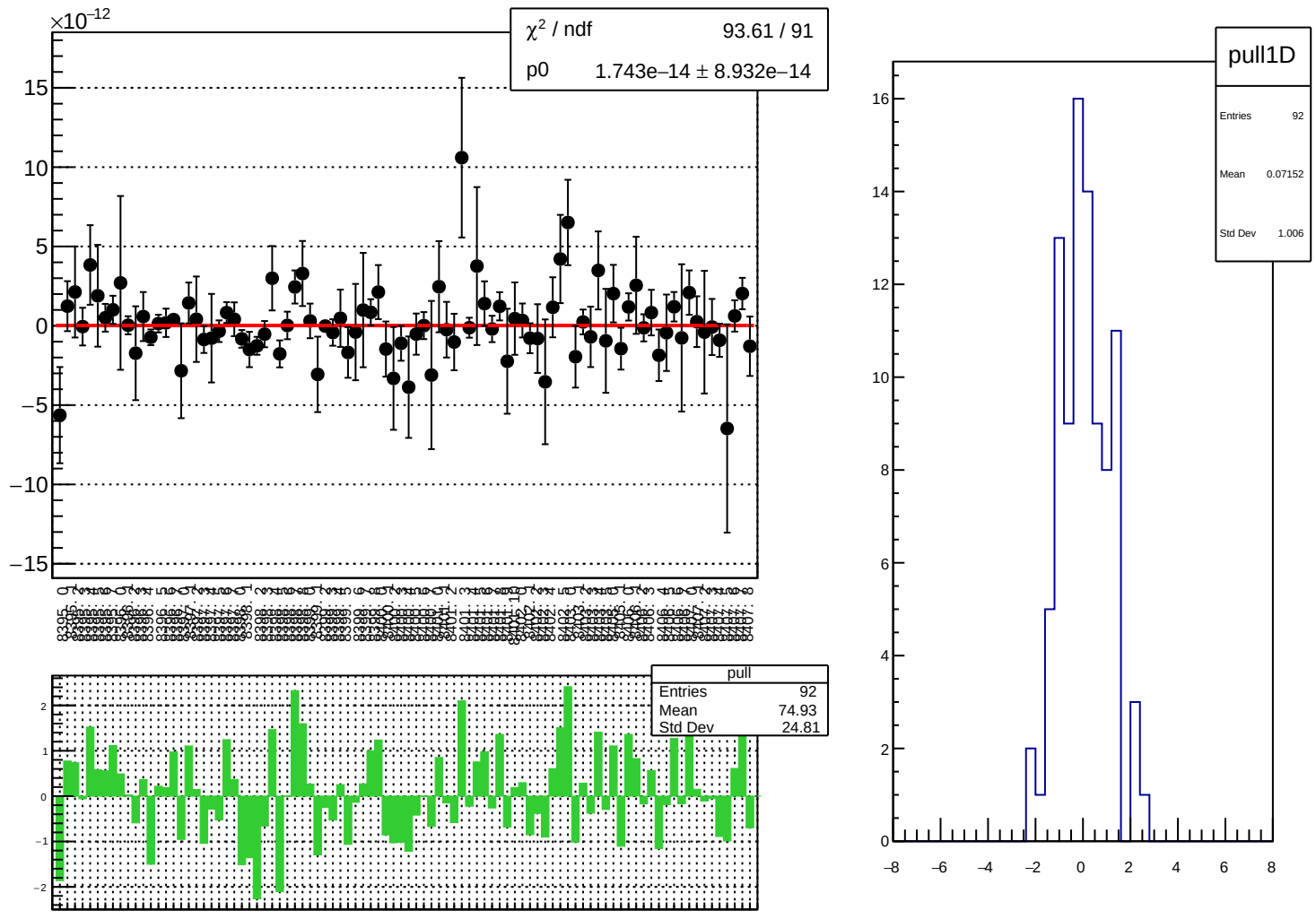

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6179 / 91
p0 0.00569 ± 4.342e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052

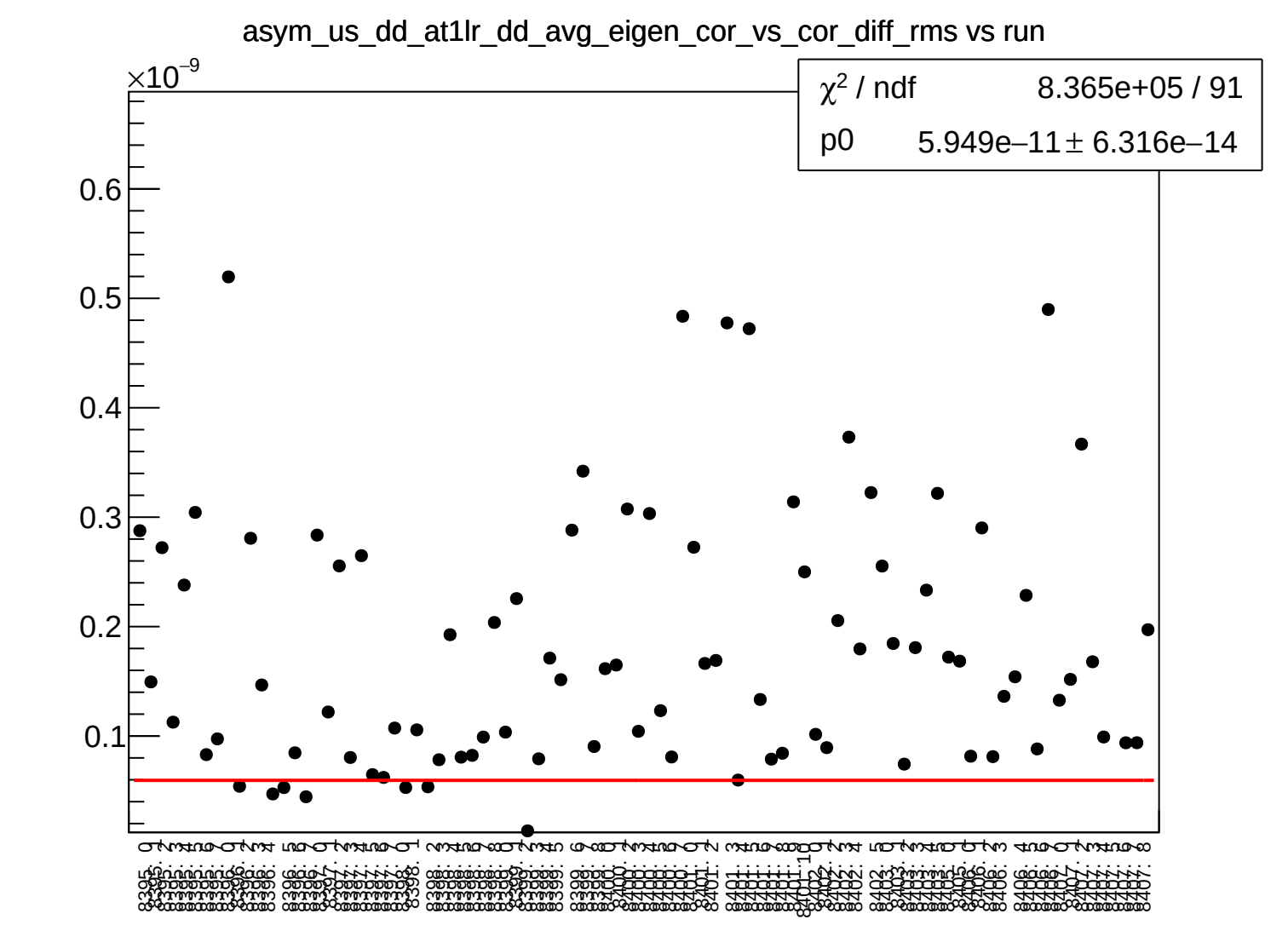

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.13 / 91
p0 0.05905 ± 0.05293
pull
Entries 92
Mean 66.11
Std Dev 14.34
pull1D
Entries 92
Mean −0.04731
Std Dev 0.8842

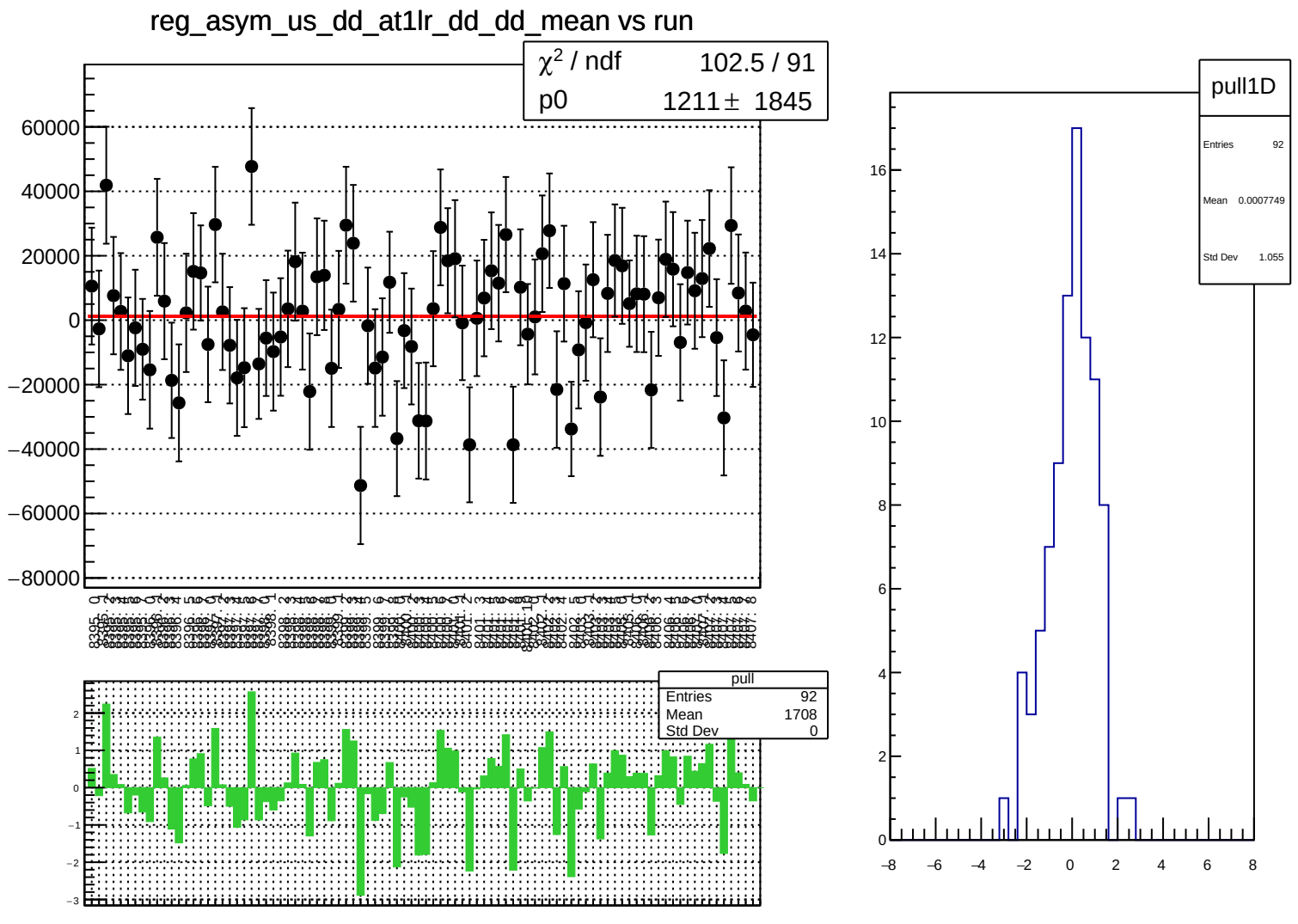

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.239e+05 / 91
p0 45.84 ± 0.03743
120
100
80
60
40
20

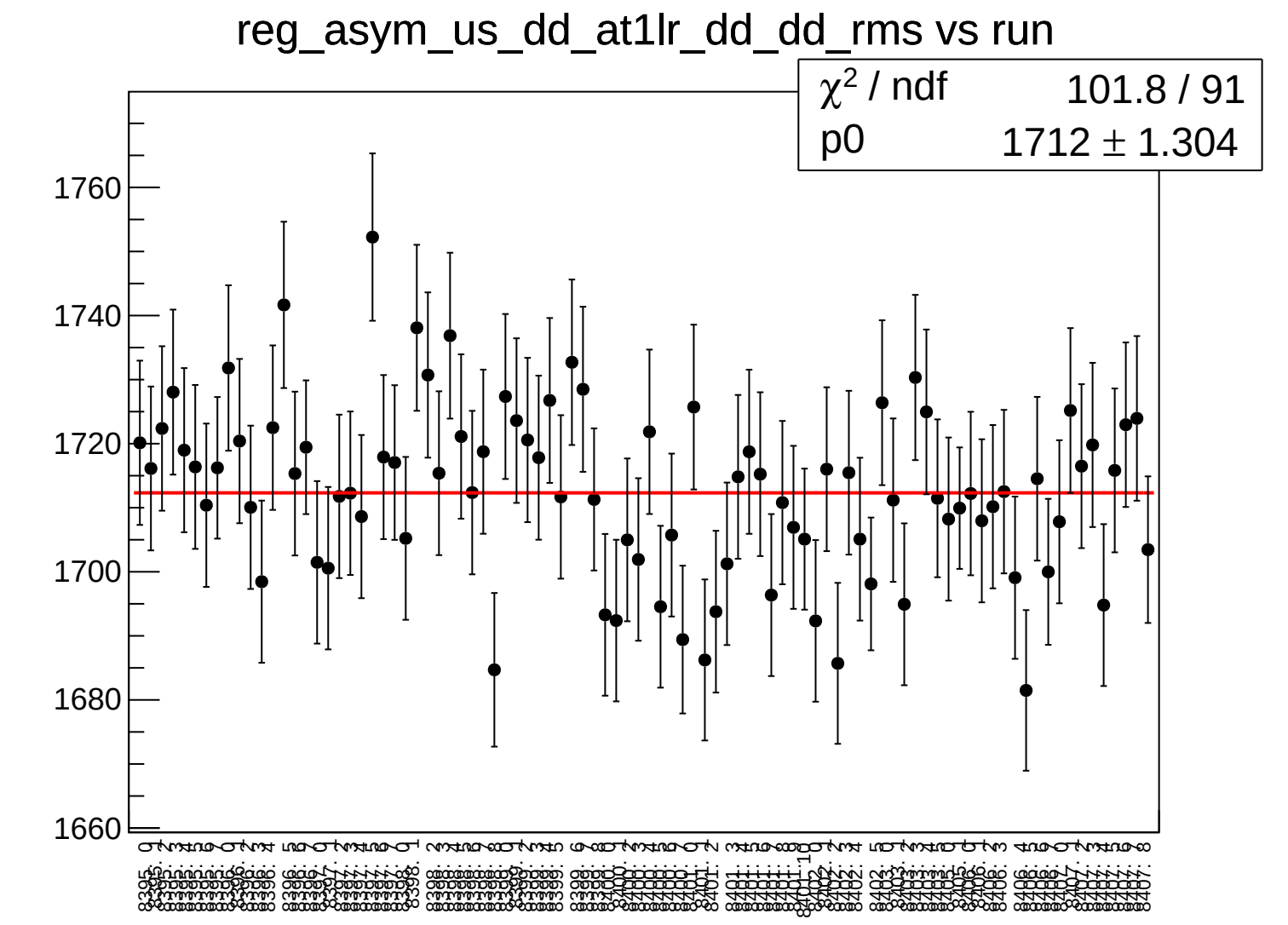

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.13 / 91
p0 0.05905 ± 0.05293
pull
Entries 92
Mean 66.11
Std Dev 14.34
pull1D
Entries 92
Mean −0.04731
Std Dev 0.8842

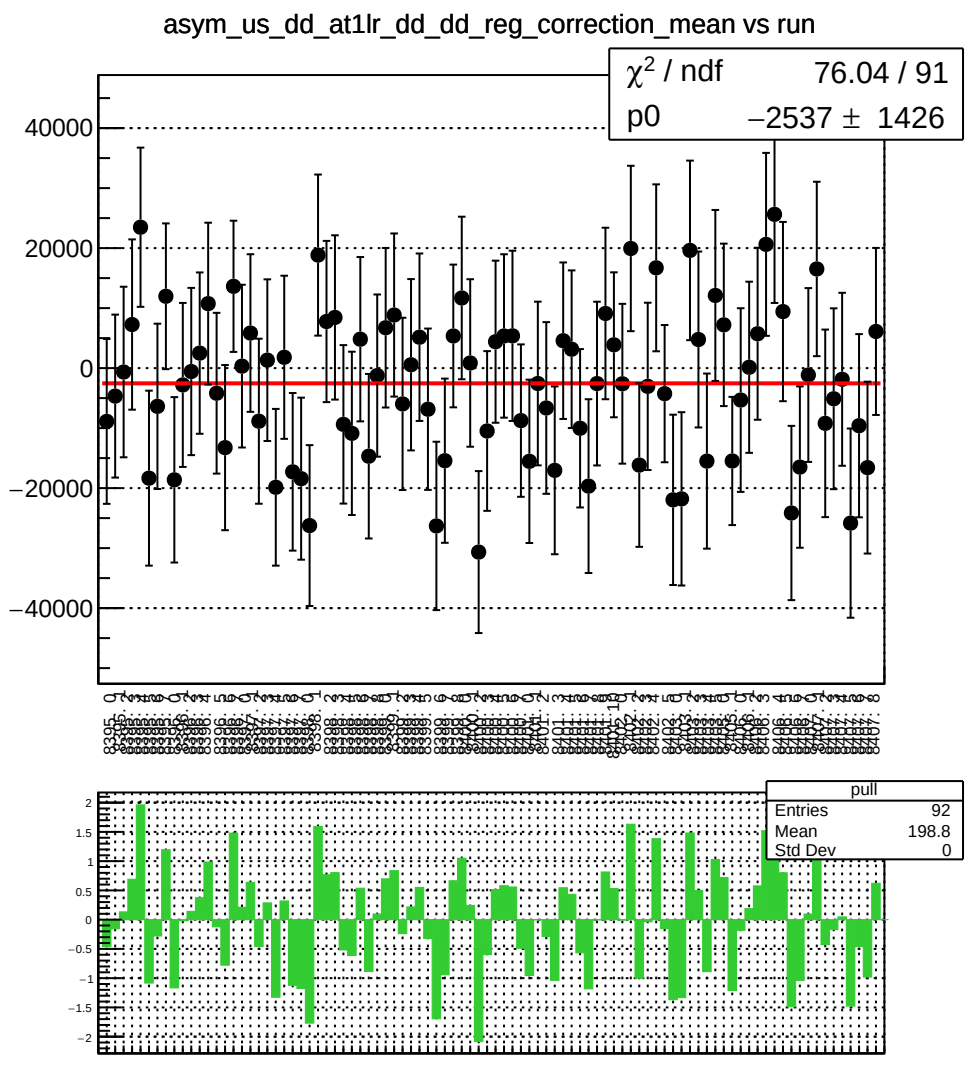

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.239e+05 / 91
p0 45.84 ± 0.03743
120
100
80
60
40
20

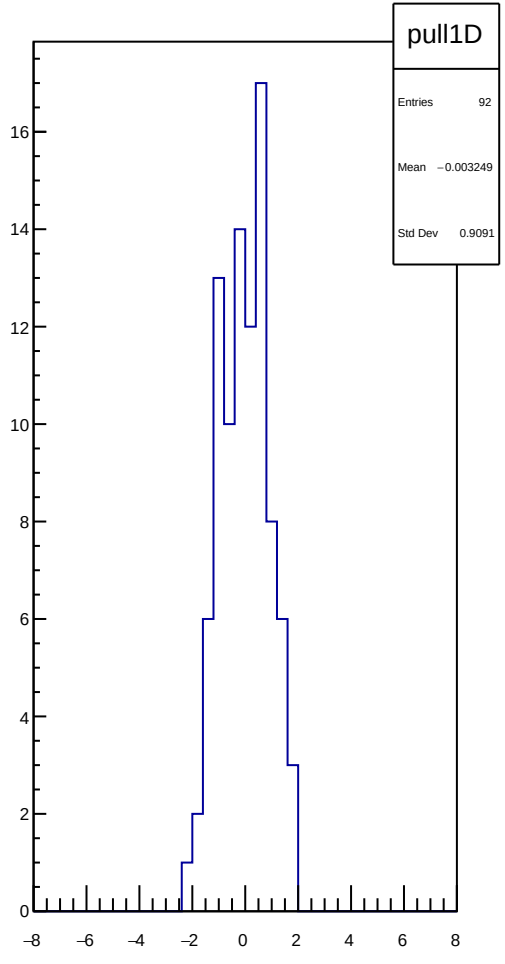

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.61 / 91
p0 1.743e−14 ± 8.932e−14
pull
Entries 92
Mean 74.93
Std Dev 24.81
pull1D
Entries 92
Mean 0.07152
Std Dev 1.006

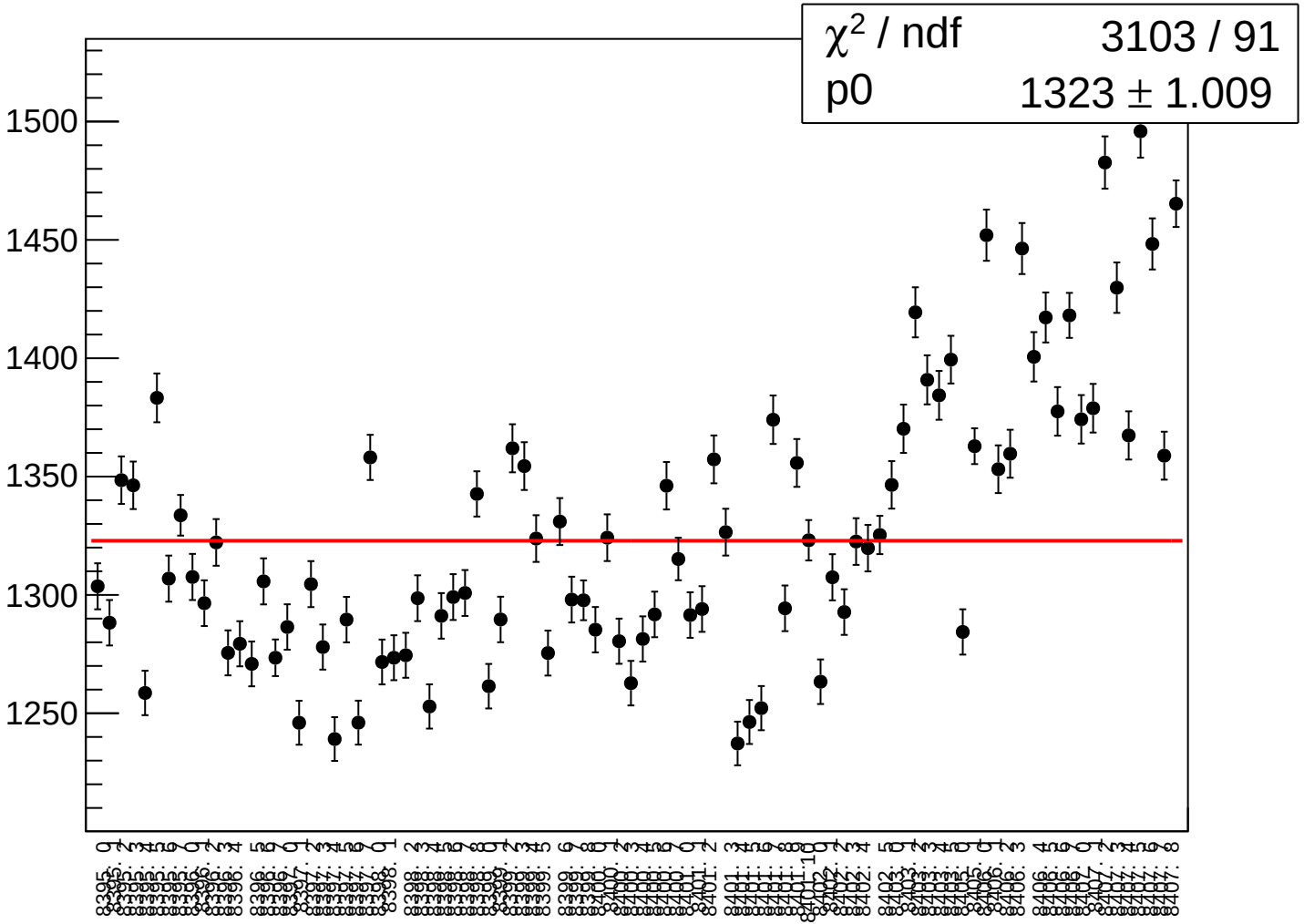

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.365e+05 / 91
p0 5.949e−11 ± 6.316e−14
0.6
0.5
0.4
0.3
0.2
0.1

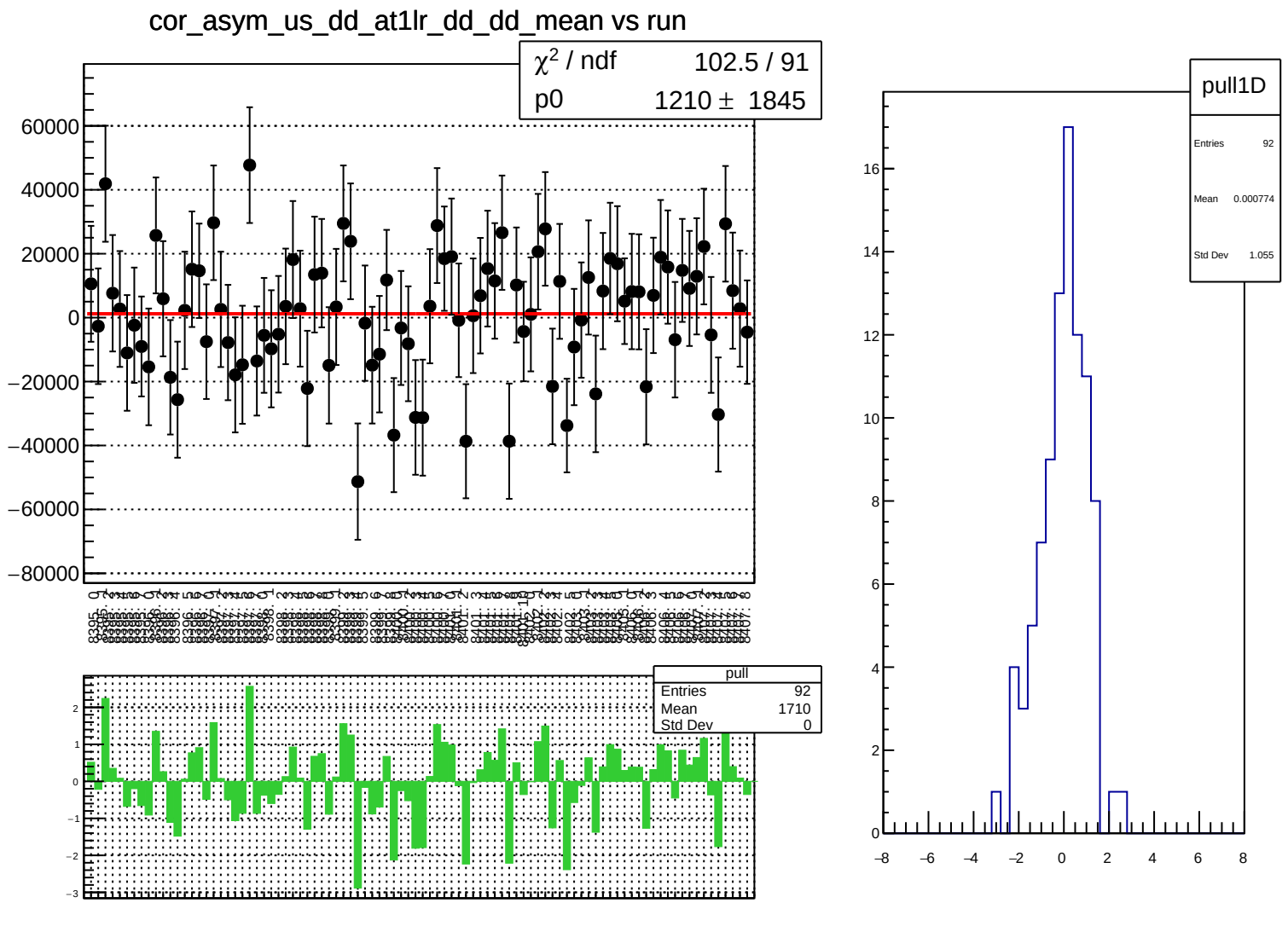

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 102.5 / 91
p0 1211 ± 1845
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 1708
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.0007749
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

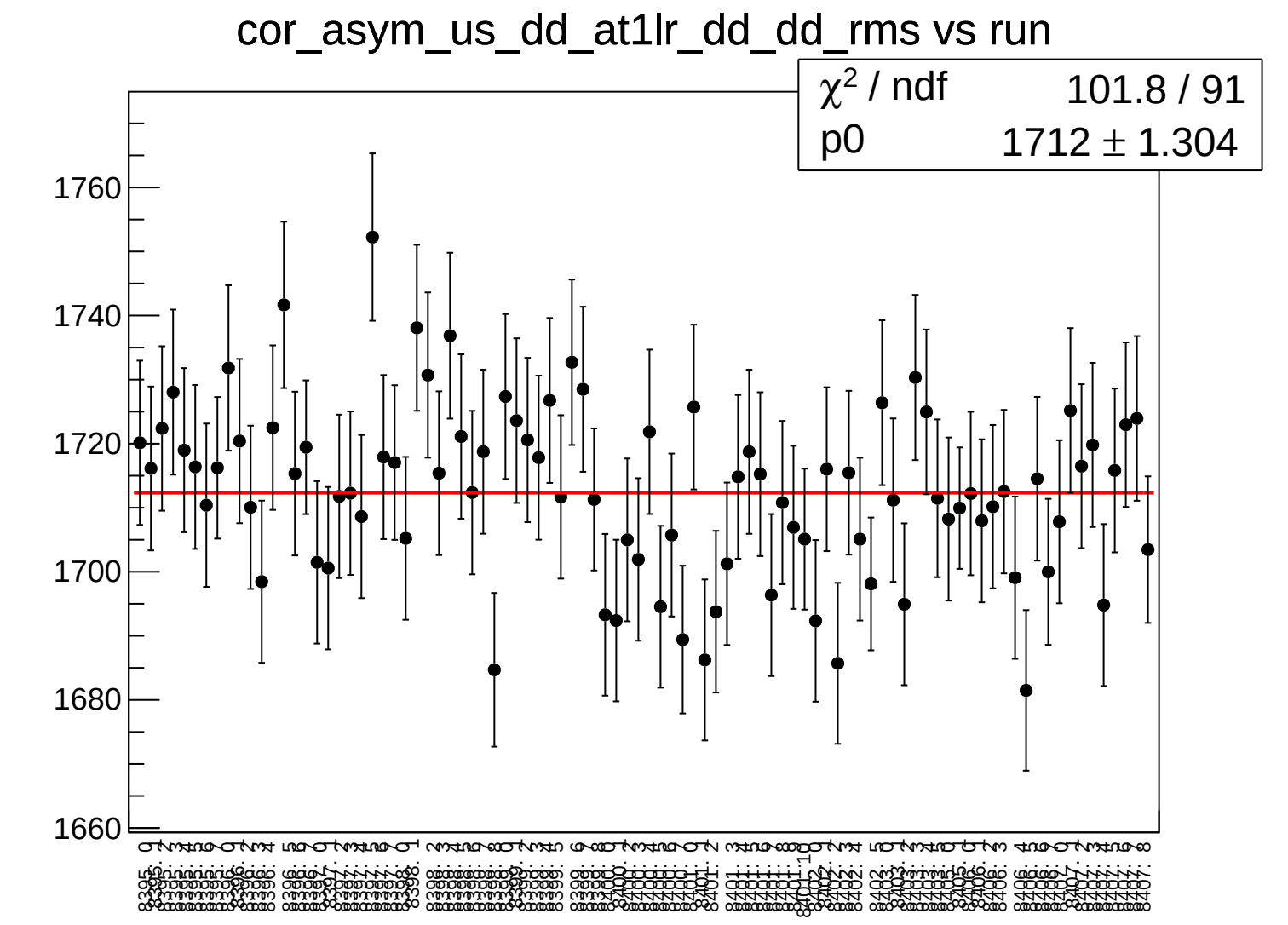

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 101.8 / 91
p0 1712 ± 1.304
1760
1740
1720
1700
1680
1660

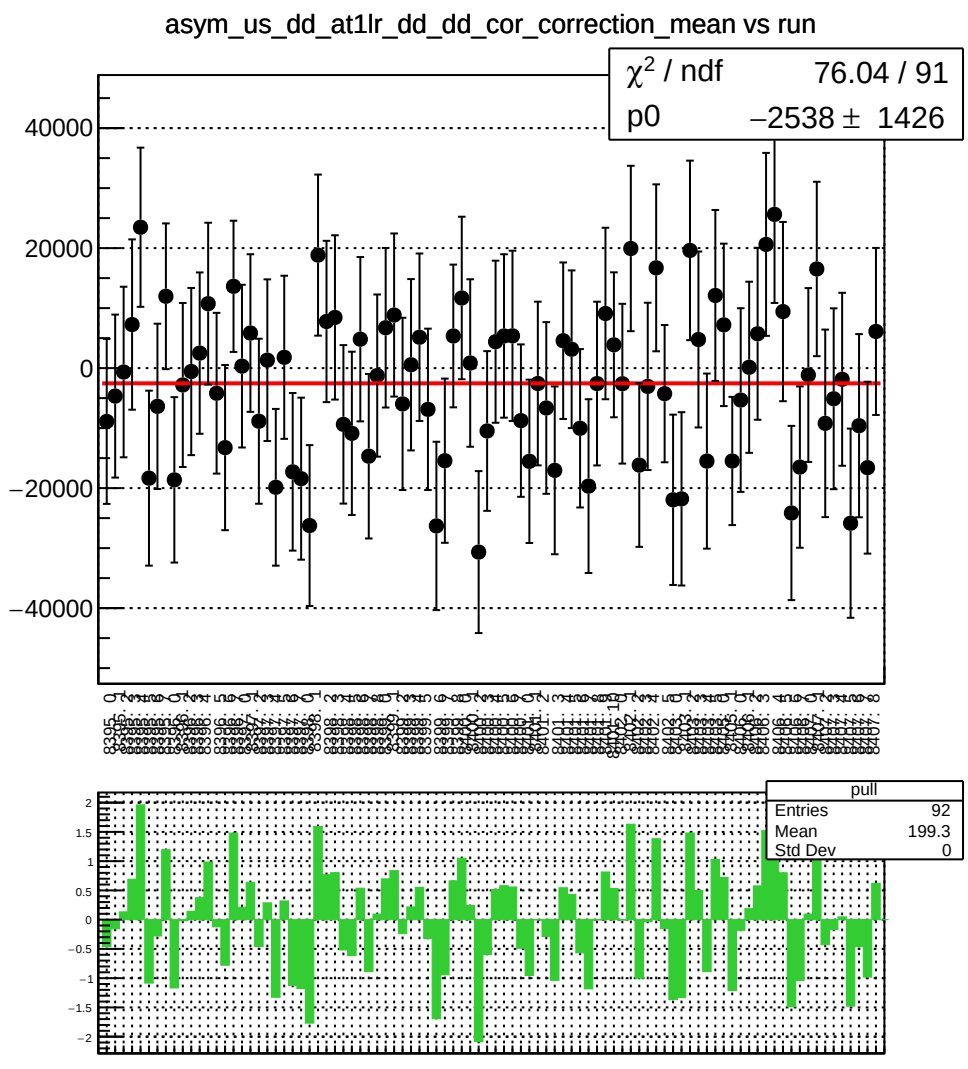

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 76.04 / 91
p0 −2537 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 198.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

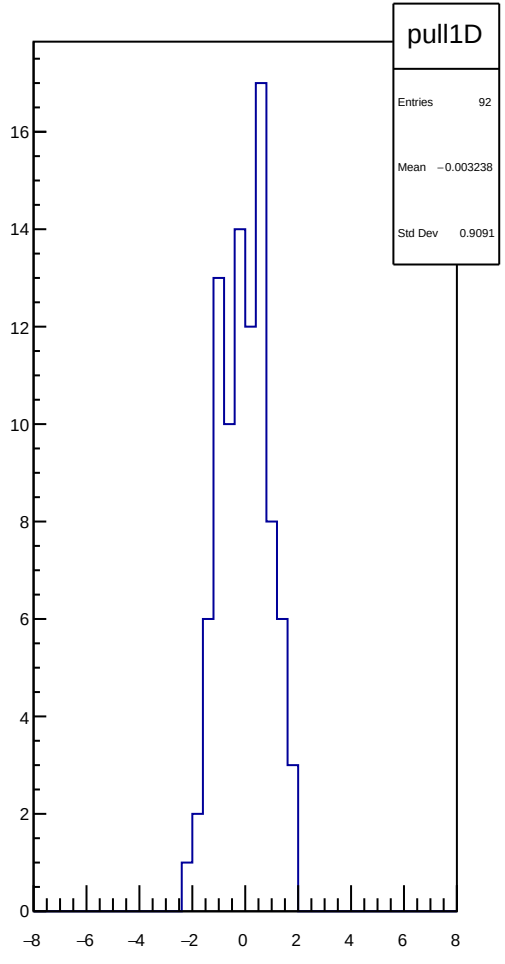

pull1D
Entries 92
Mean −0.003249
Std Dev 0.9091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

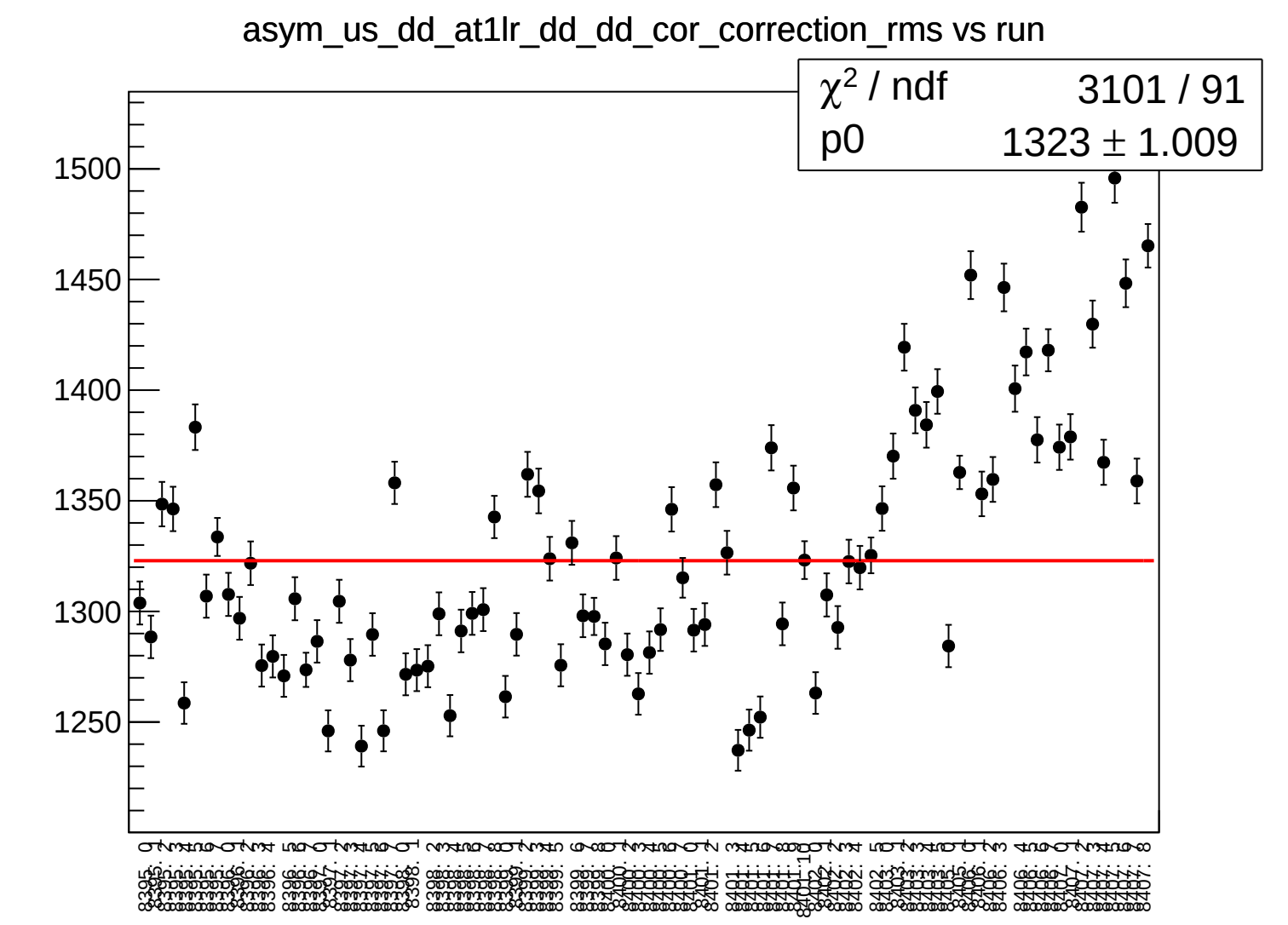

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3103 / 91
p0 1323 ± 1.009
1500
1450
1400
1350
1300
1250

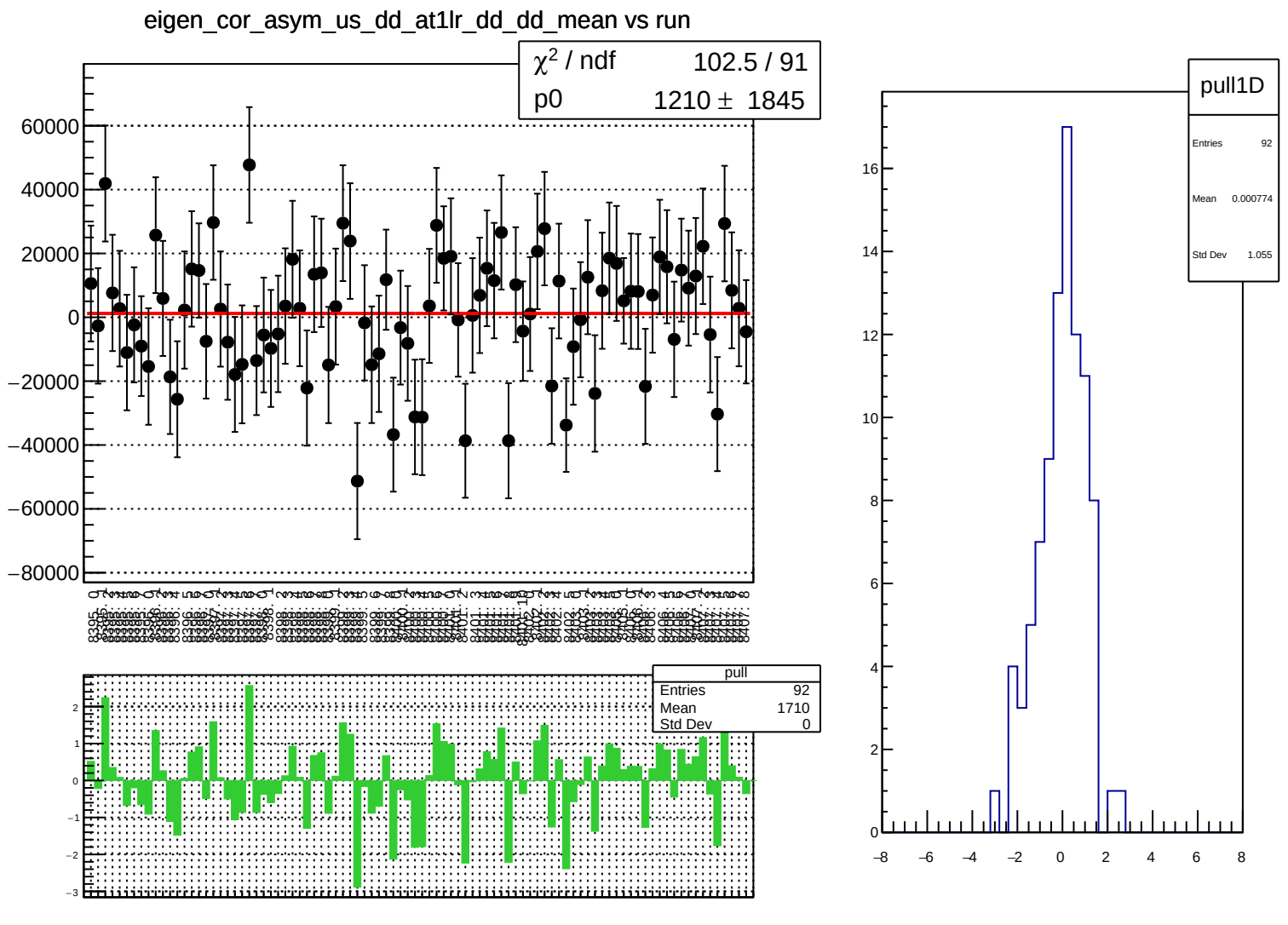

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 102.5 / 91
p0 1210 ± 1845
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 1710
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.000774
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

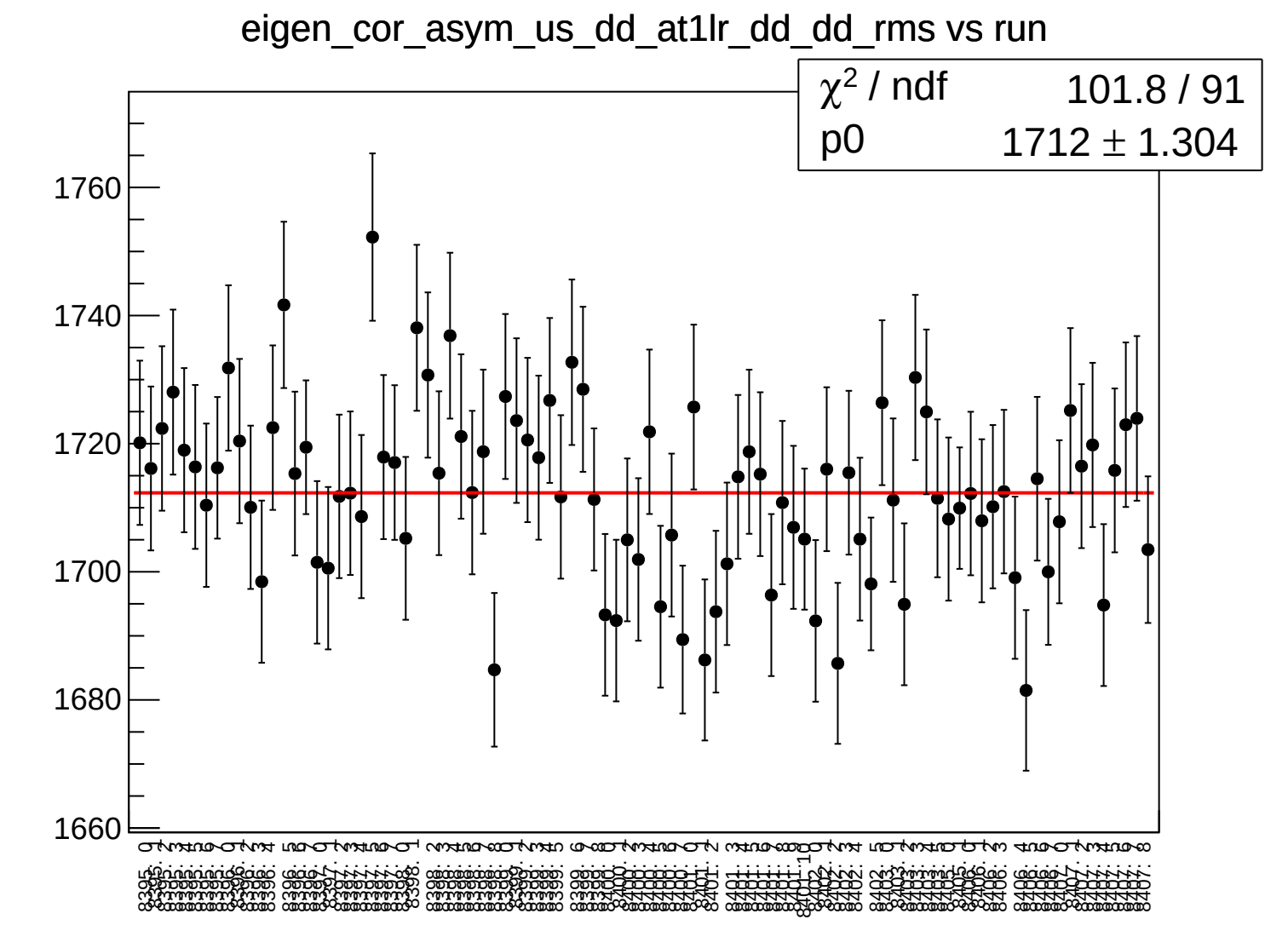

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 101.8 / 91
p0 1712 ± 1.304
1760
1740
1720
1700
1680
1660

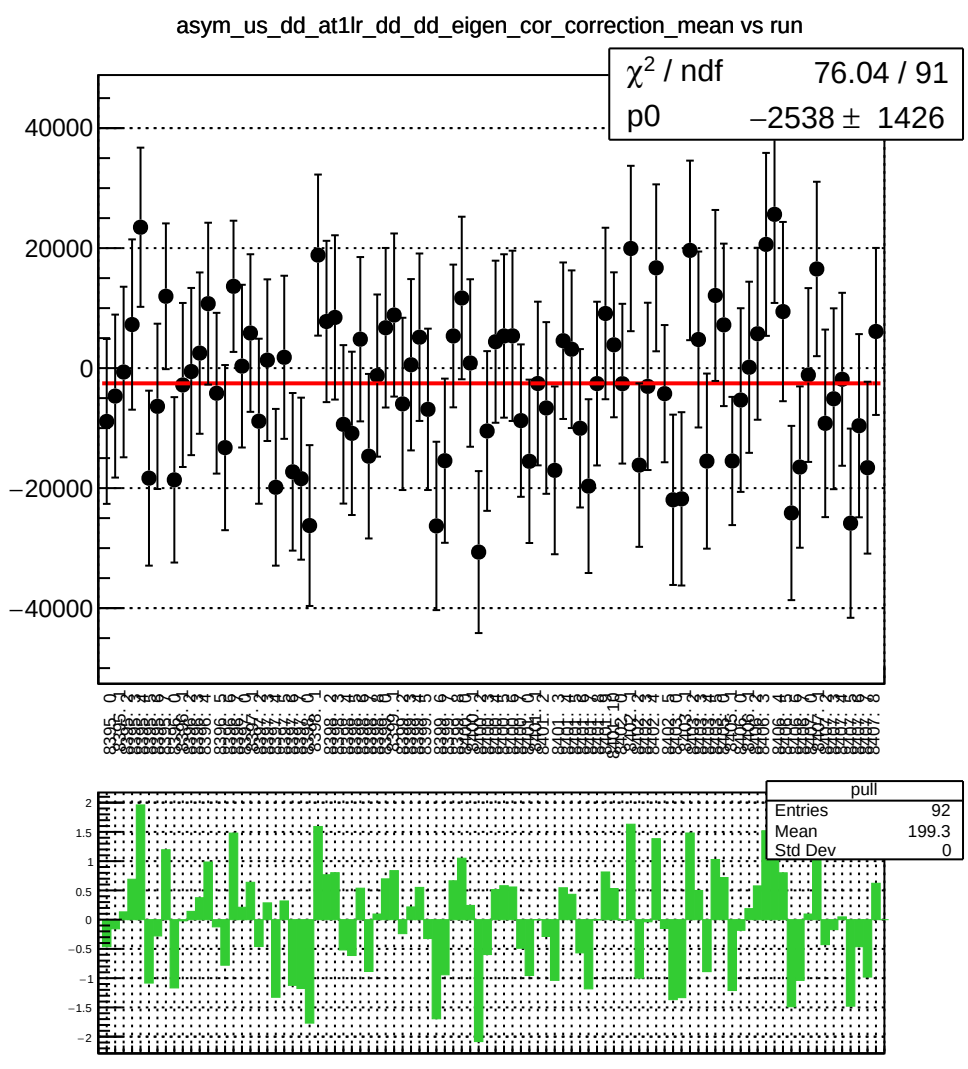

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 76.04 / 91
p0 −2538 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 199.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

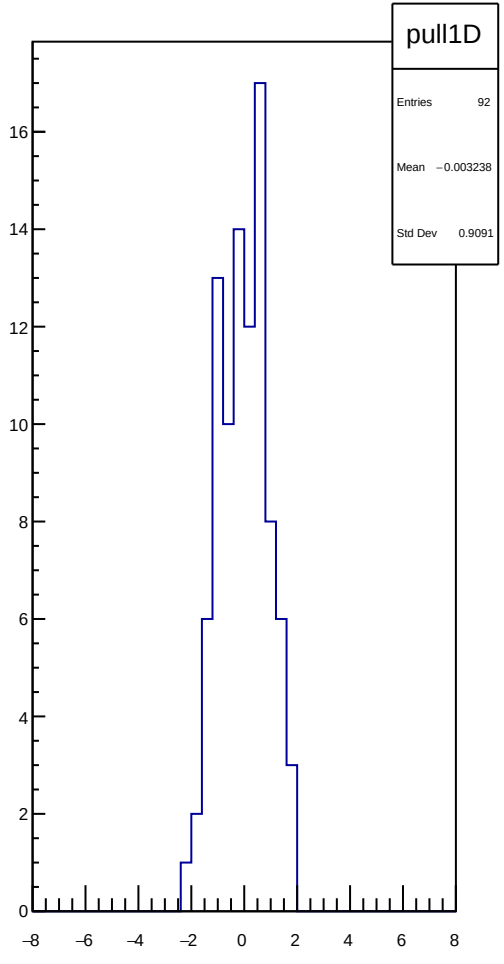

pull1D
Entries 92
Mean −0.003238
Std Dev 0.9091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

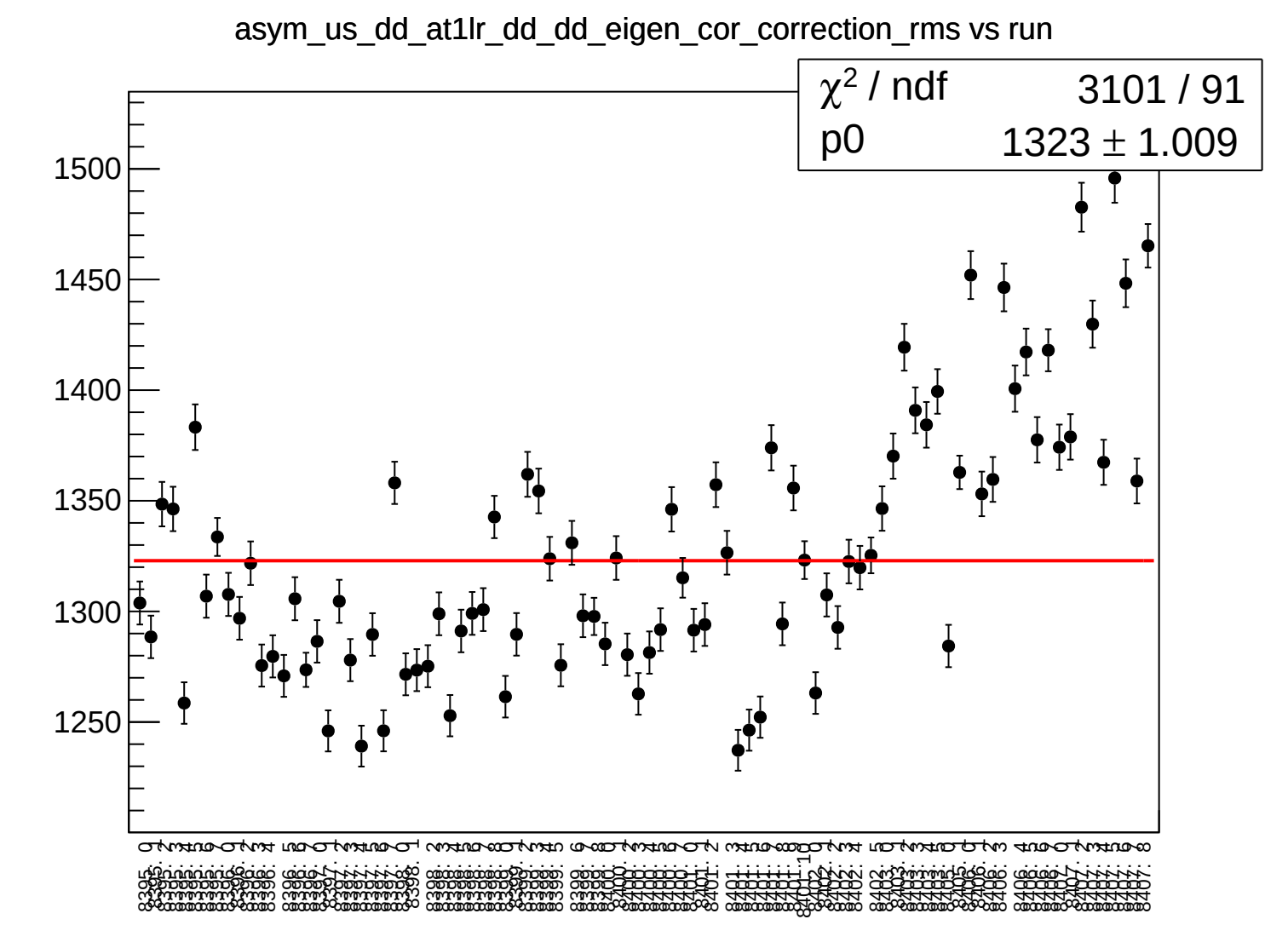

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3101 / 91
p0 1323 ± 1.009
1500
1450
1400
1350
1300
1250

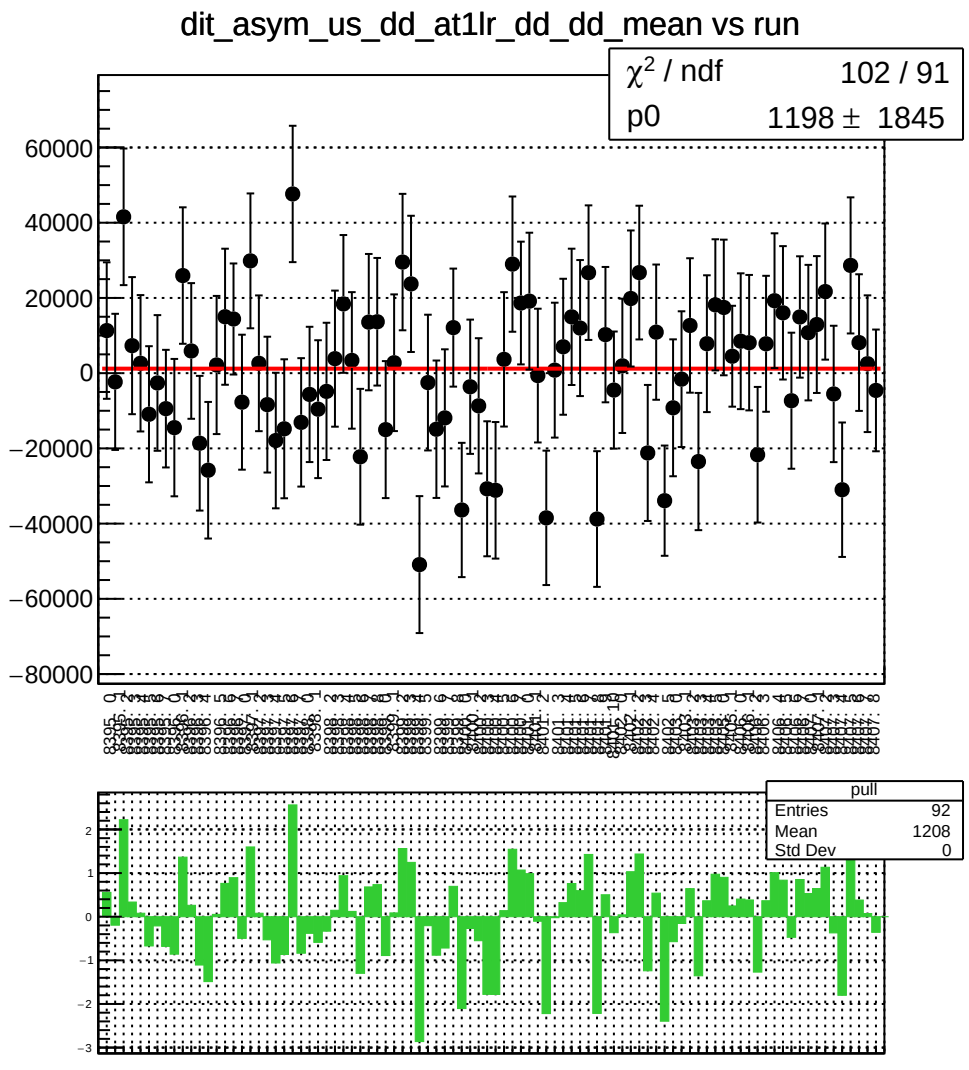

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 102.5 / 91
p0 1210 ± 1845
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 1710
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.000774
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

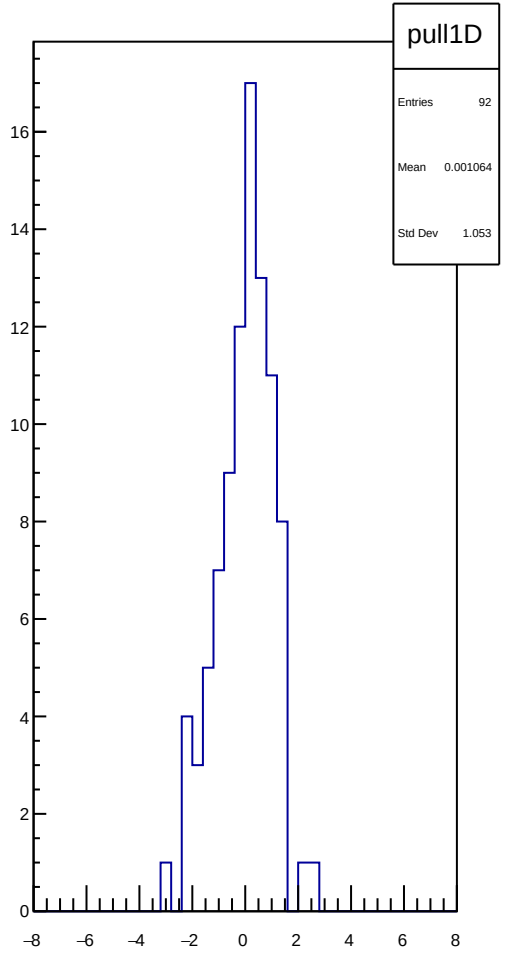

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
$\chi^2$ / ndf 101.8 / 91
p0 1712 ± 1.304
1760
1740
1720
1700
1680
1660

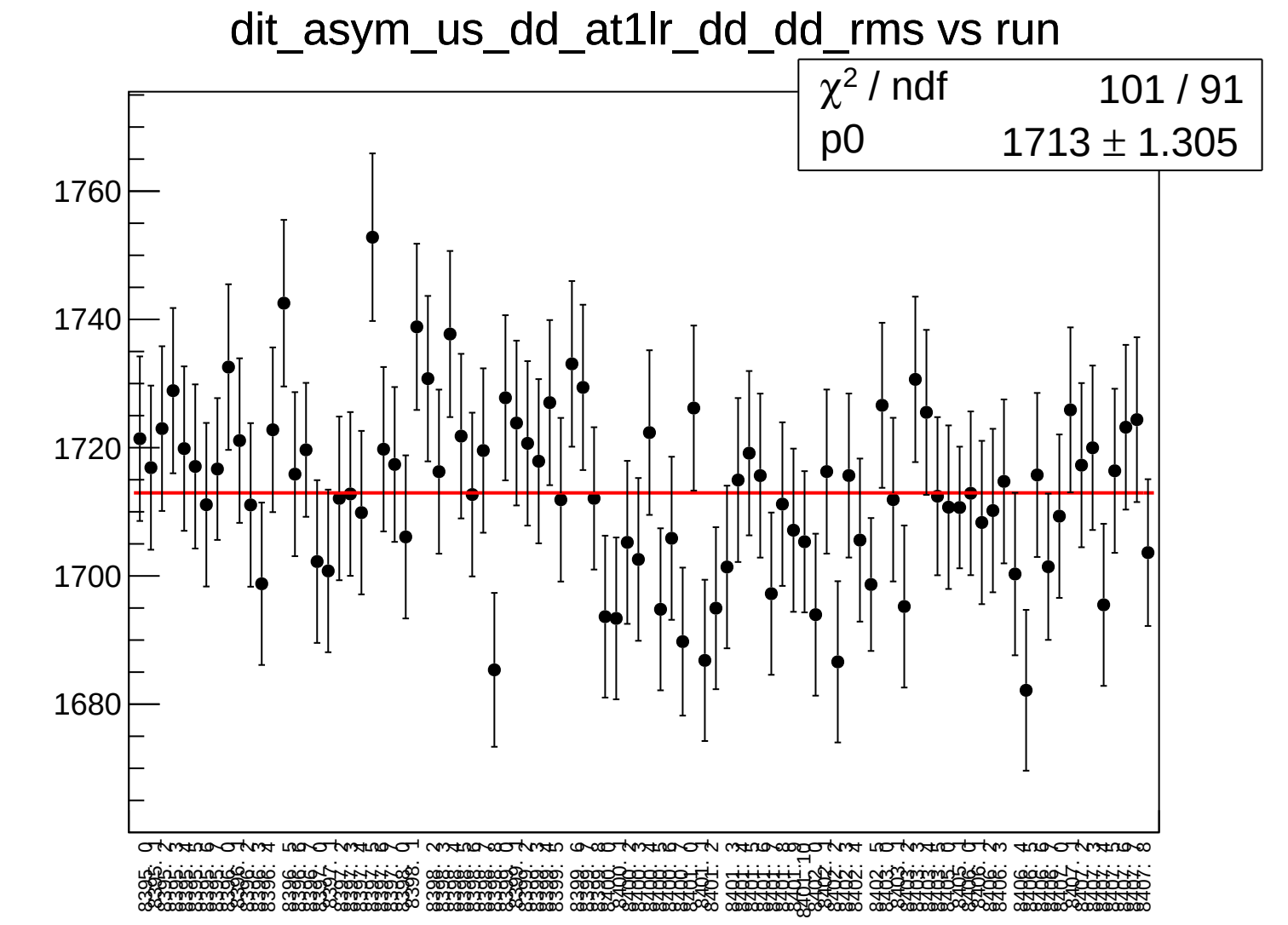

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.04 / 91
p0 −2538 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 199.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

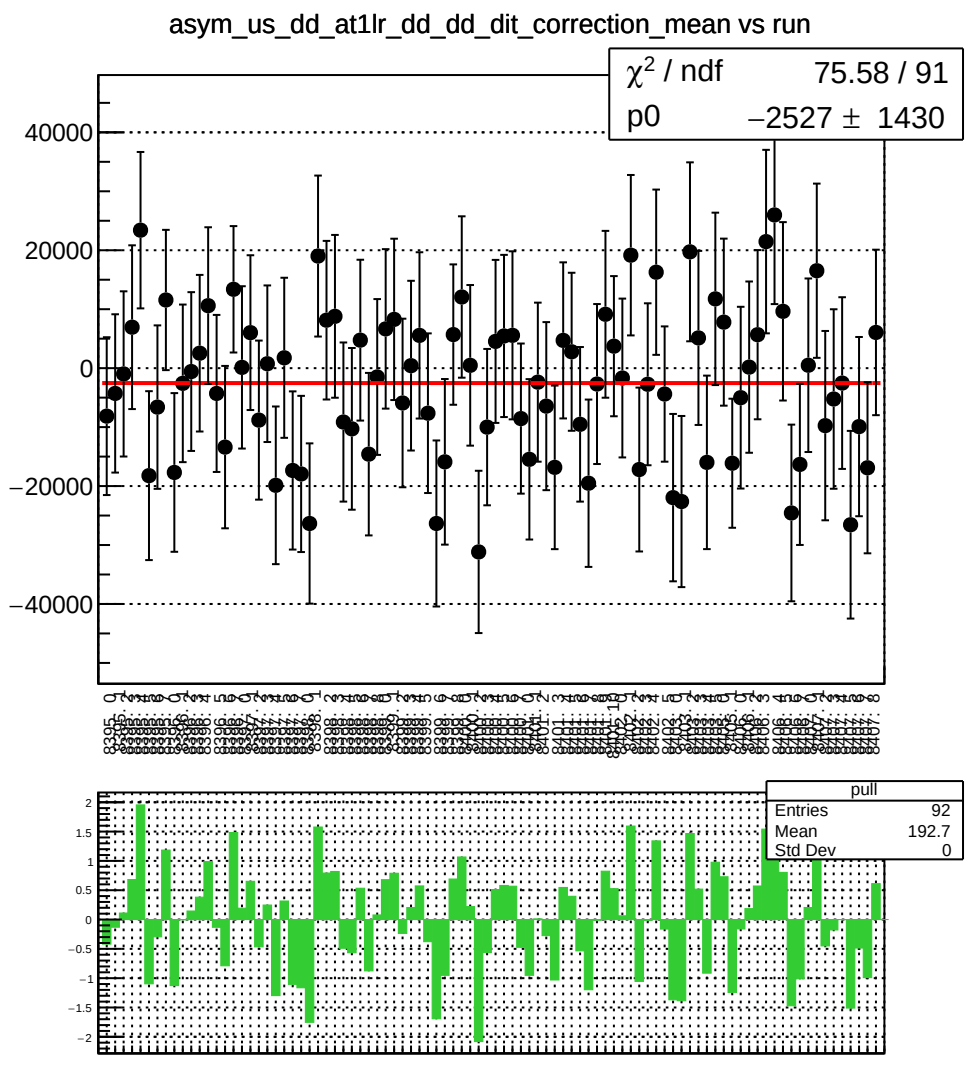

pull1D
Entries 92
Mean −0.003238
Std Dev 0.9091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

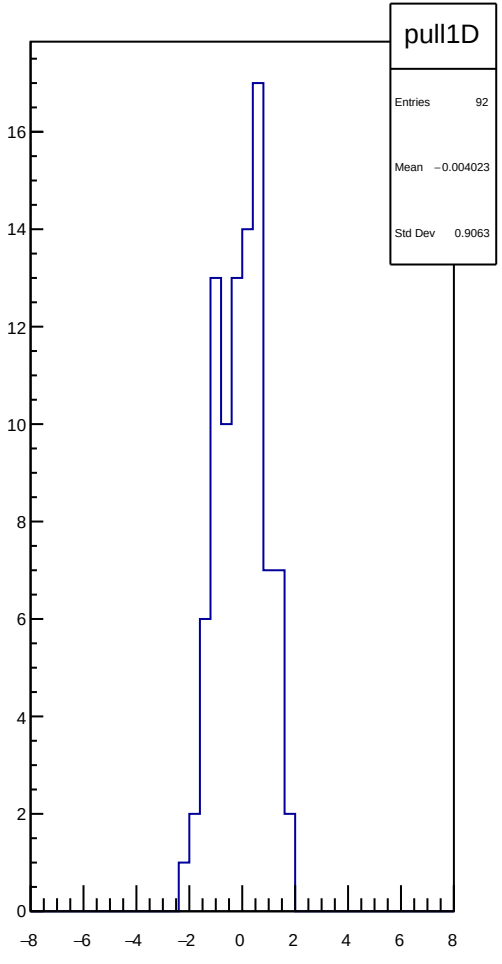

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3101 / 91
p0 1323 ± 1.009
1500
1450
1400
1350
1300
1250

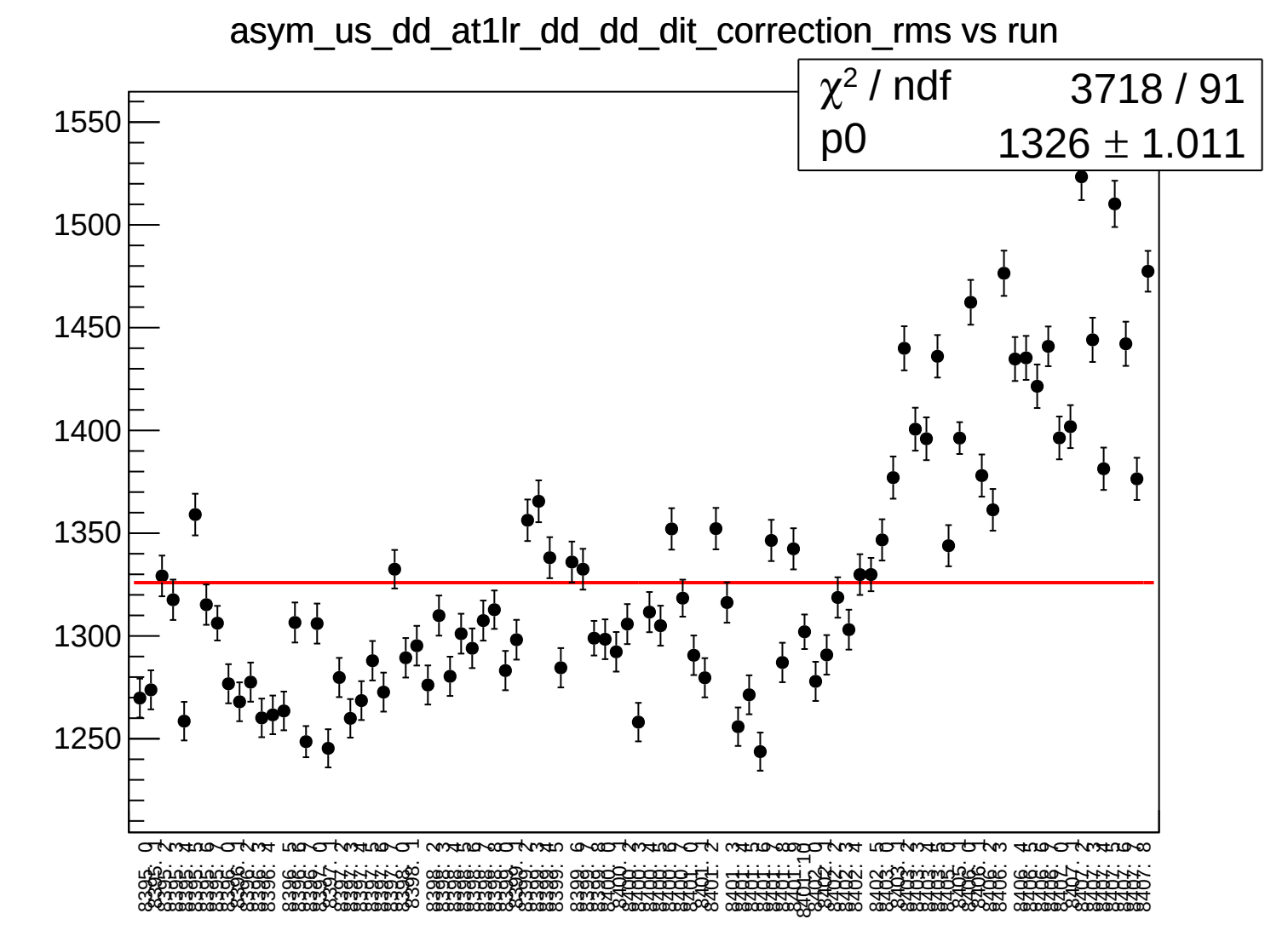

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 102 / 91
p0 1198 ± 1845
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 1208
Std Dev 0
2
1
0
−1
−2
−3

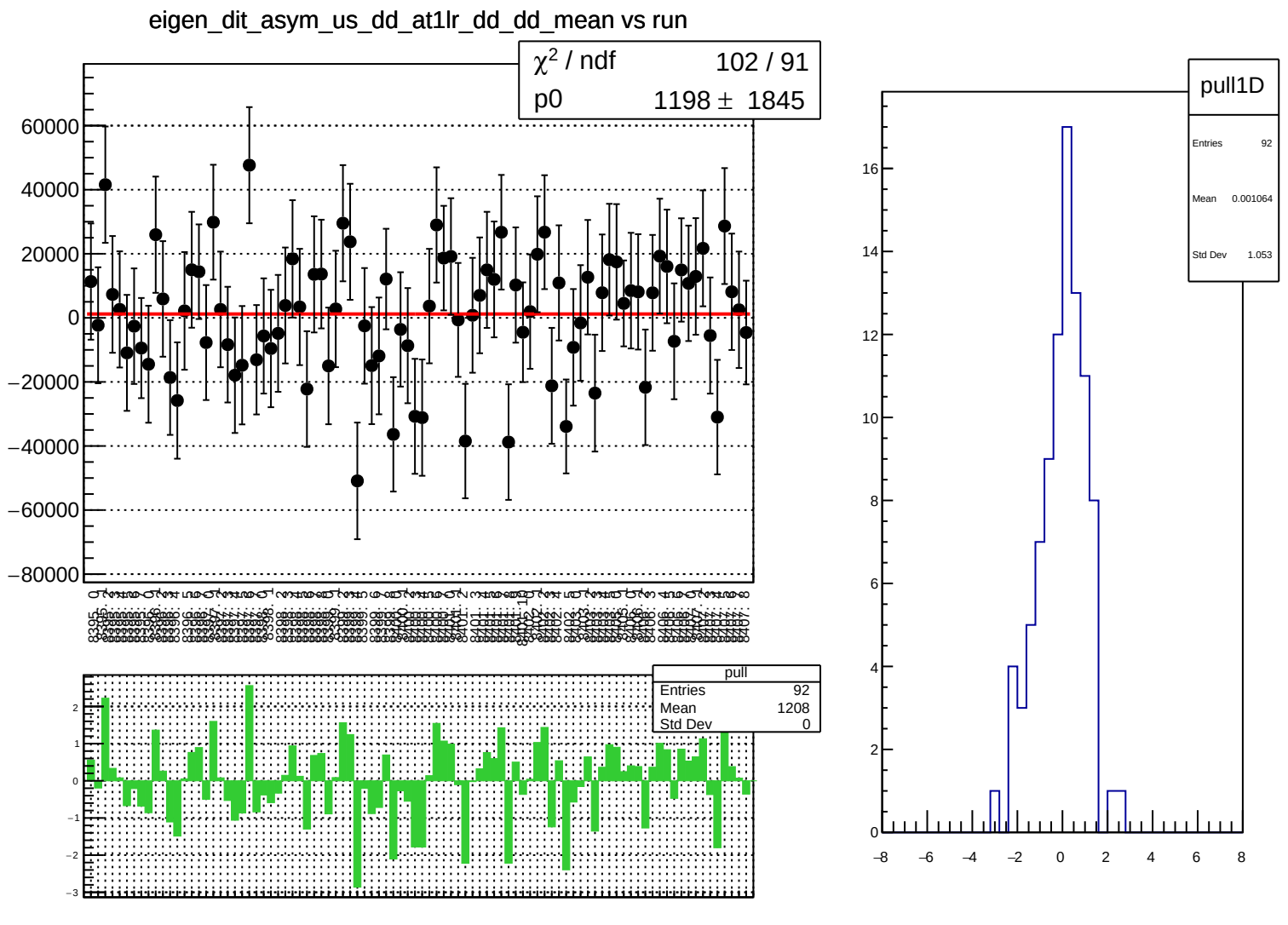

pull1D
Entries 92
Mean 0.001064
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

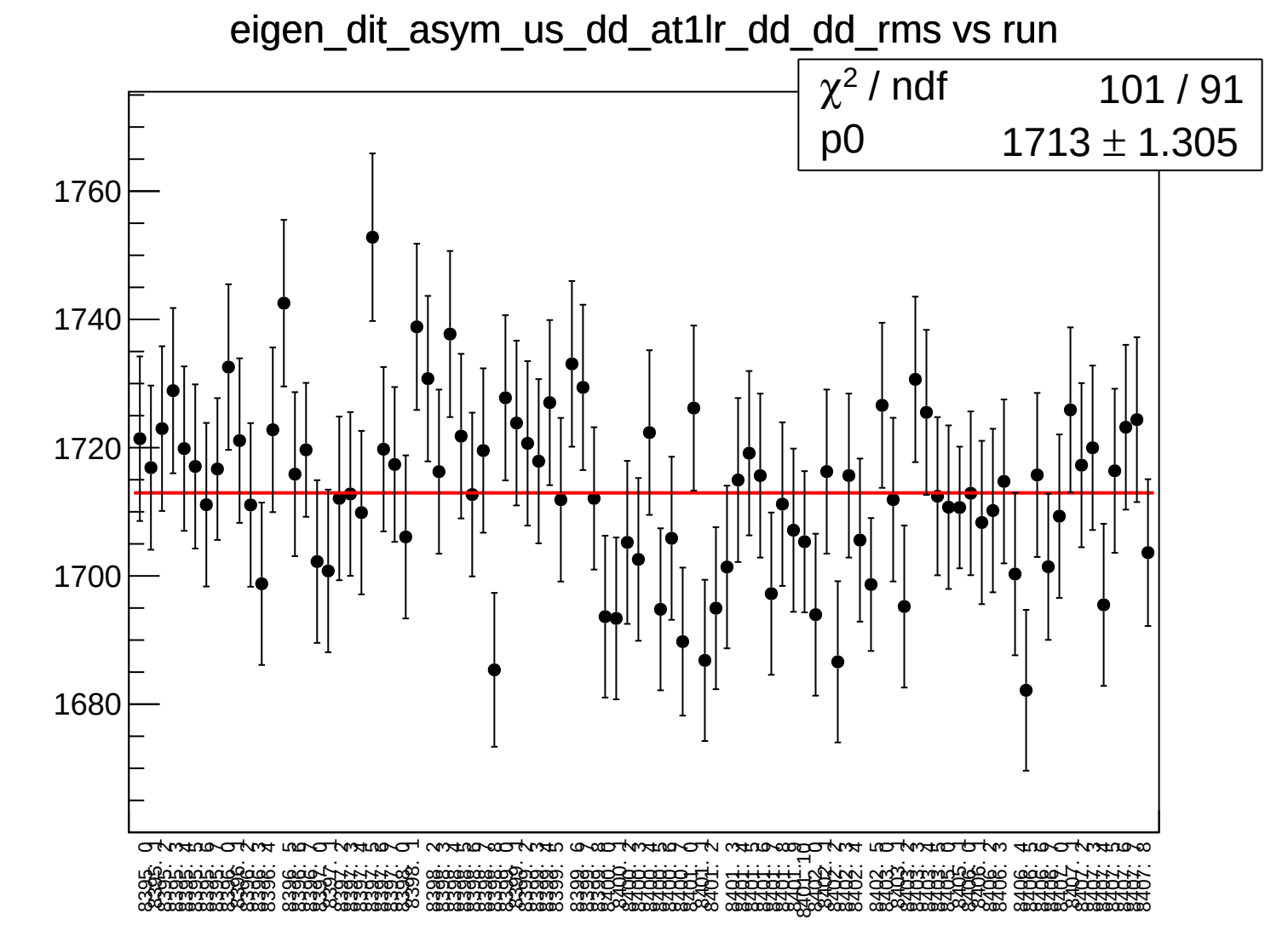

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 101 / 91
p0 1713 ± 1.305
1760
1740
1720
1700
1680

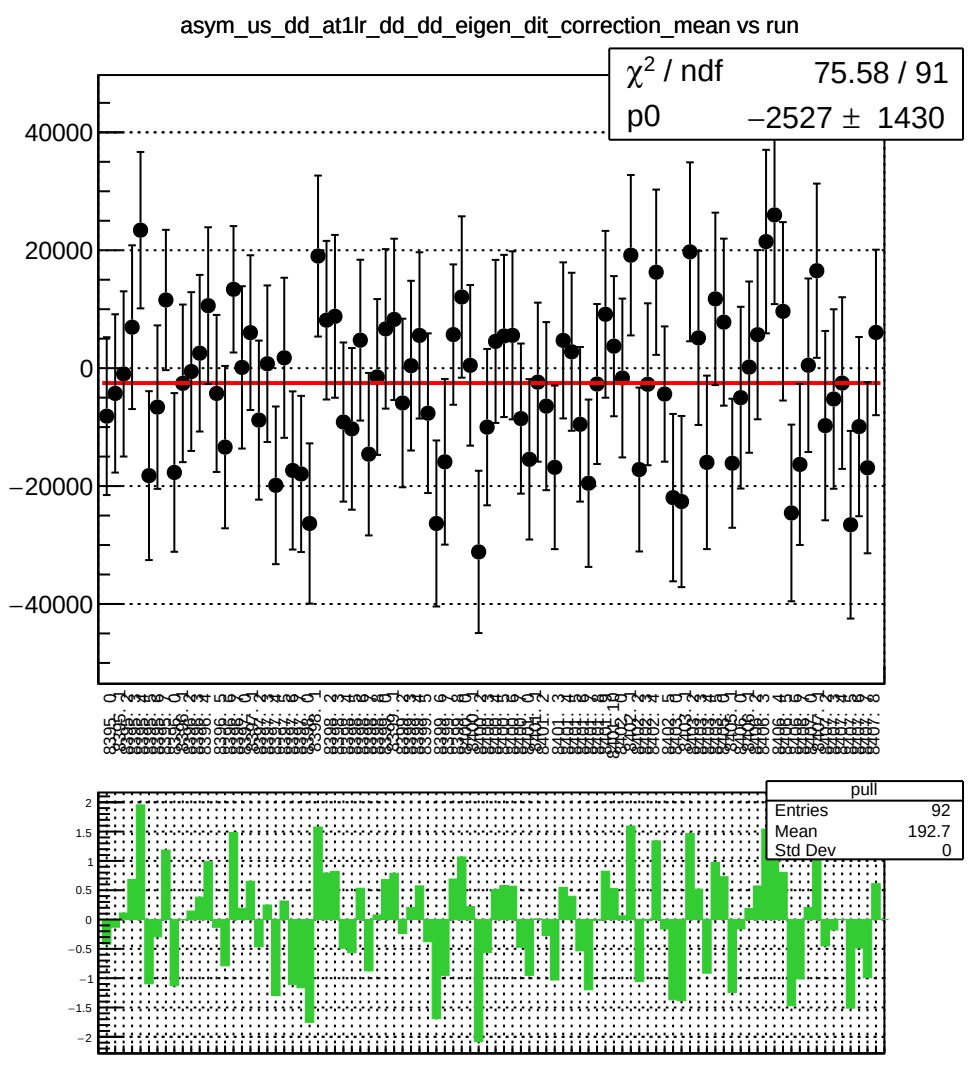

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 75.58 / 91
p0 −2527 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 192.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

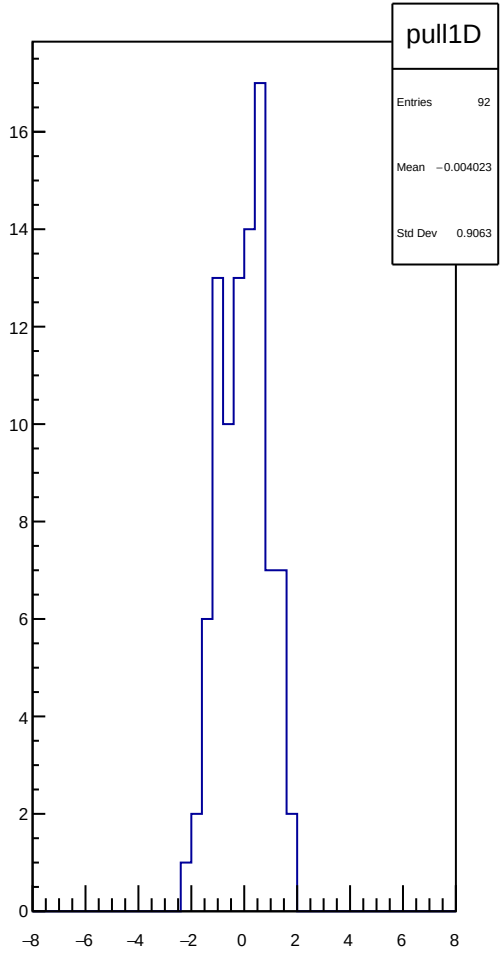

pull1D
Entries 92
Mean −0.004023
Std Dev 0.9063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

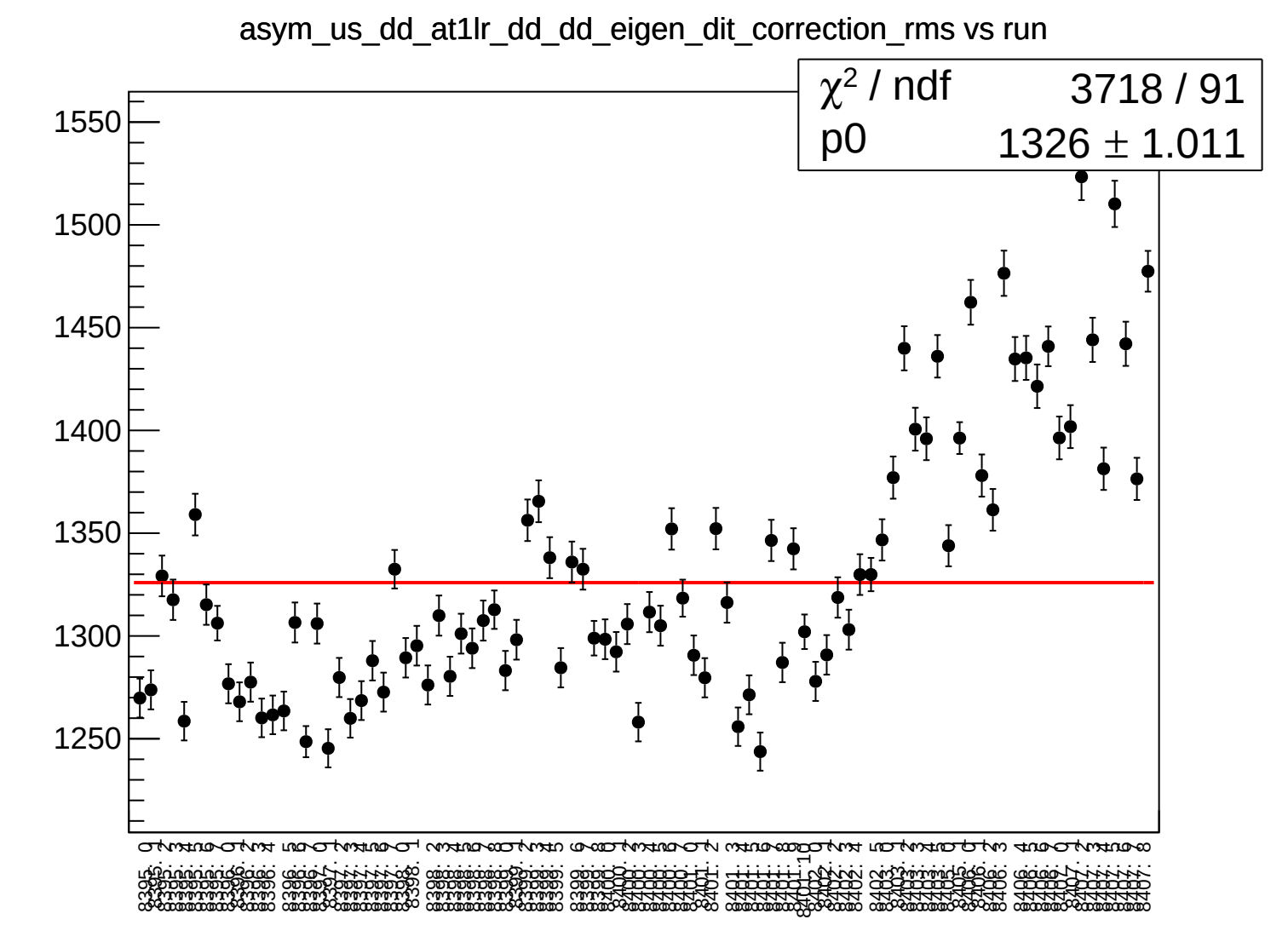

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3718 / 91
p0 1326 ± 1.011
1550
1500
1450
1400
1350
1300
1250

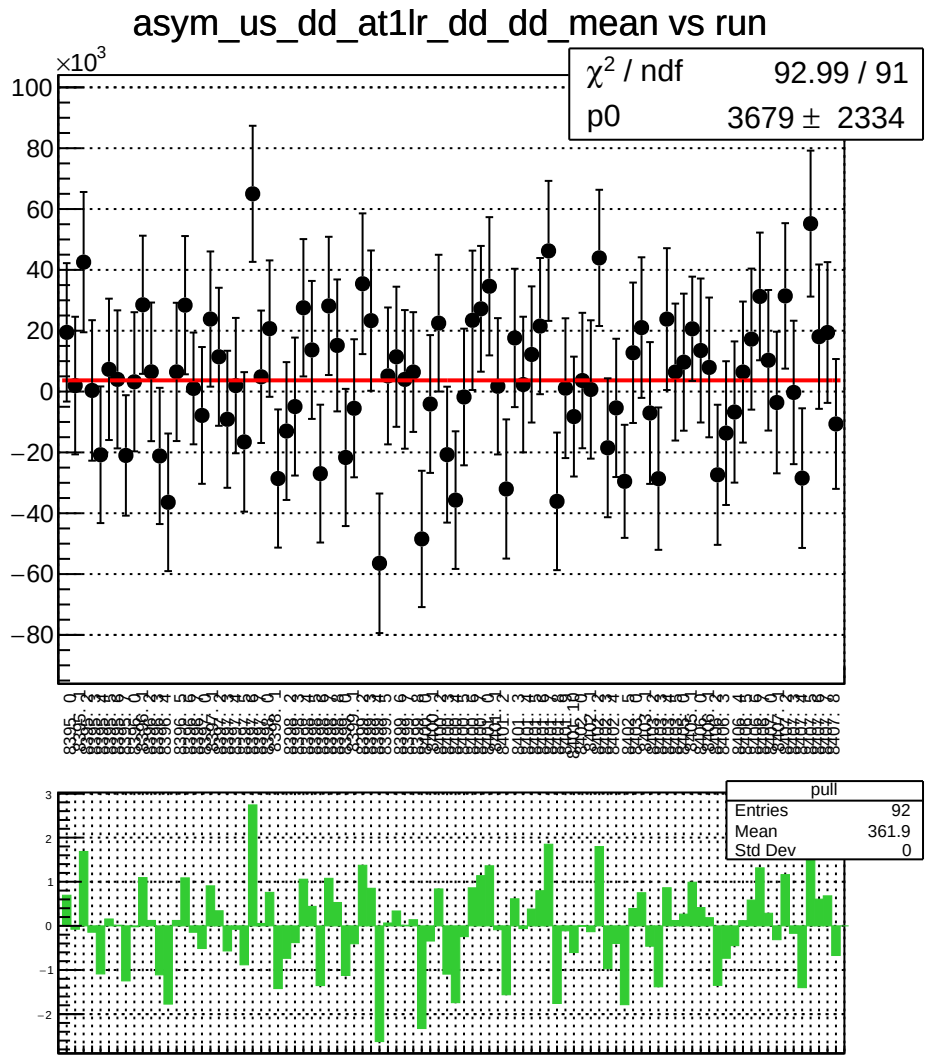

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 102 / 91
p0 1198 ± 1845
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 1208
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.001064
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

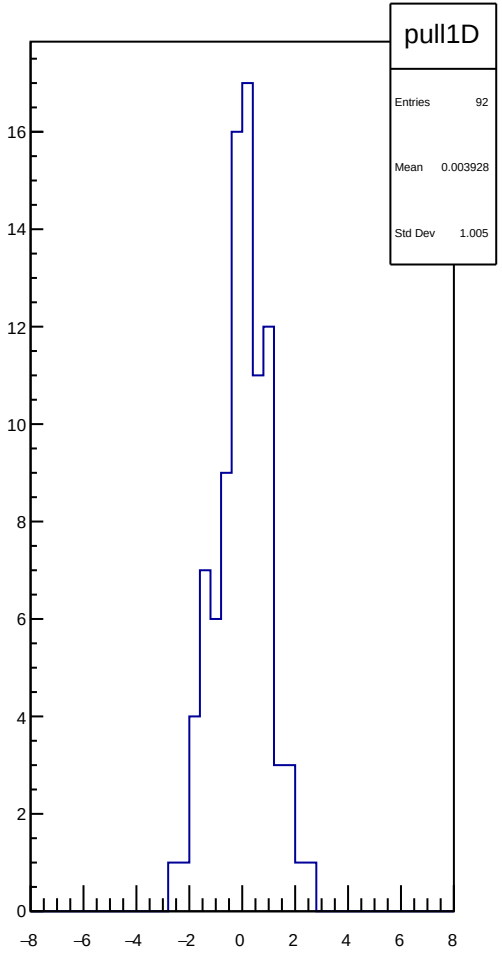

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
$\chi^2$ / ndf 101 / 91
p0 1713 ± 1.305
1760
1740
1720
1700
1680

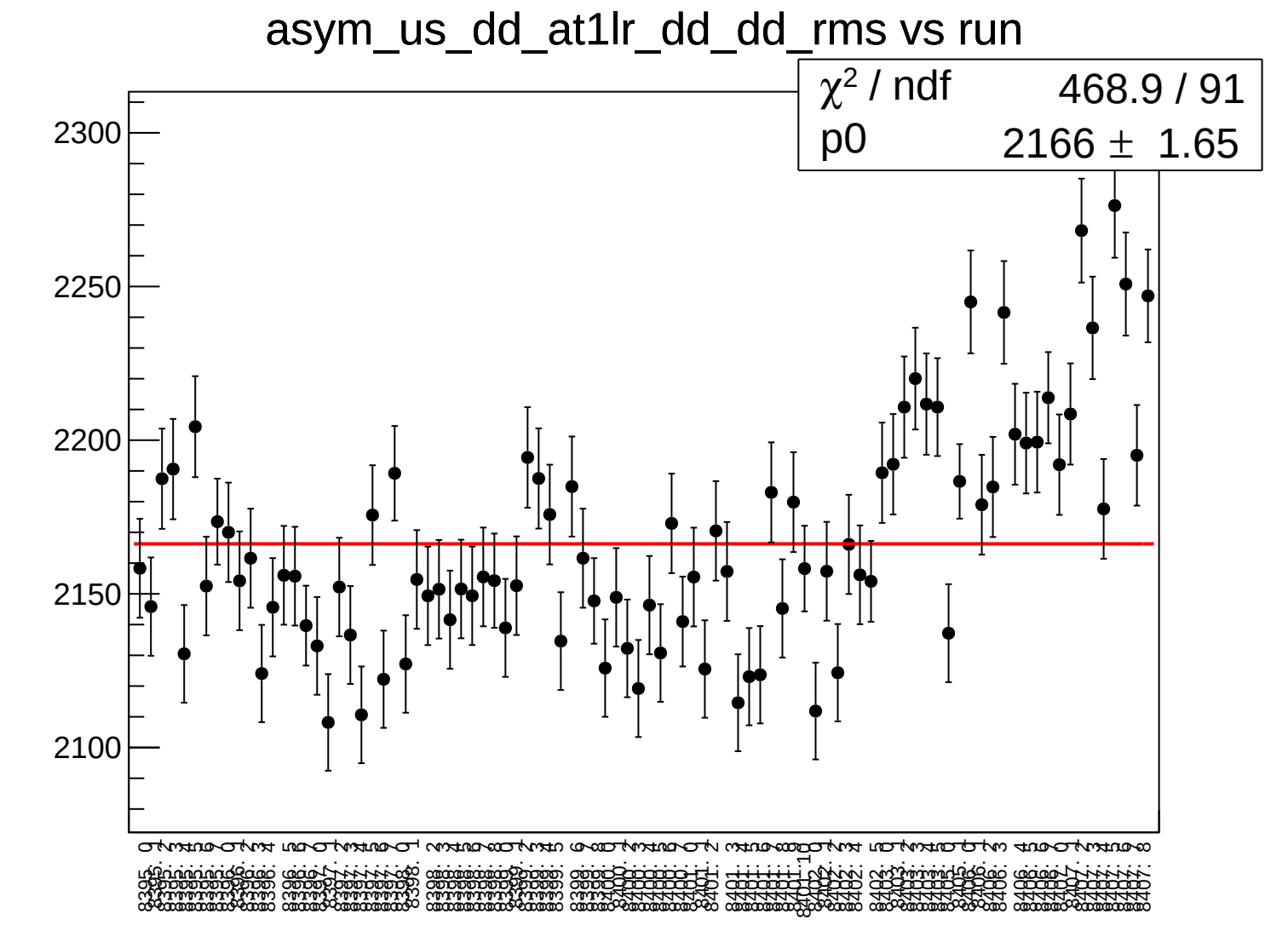

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.58 / 91
p0 −2527 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 192.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

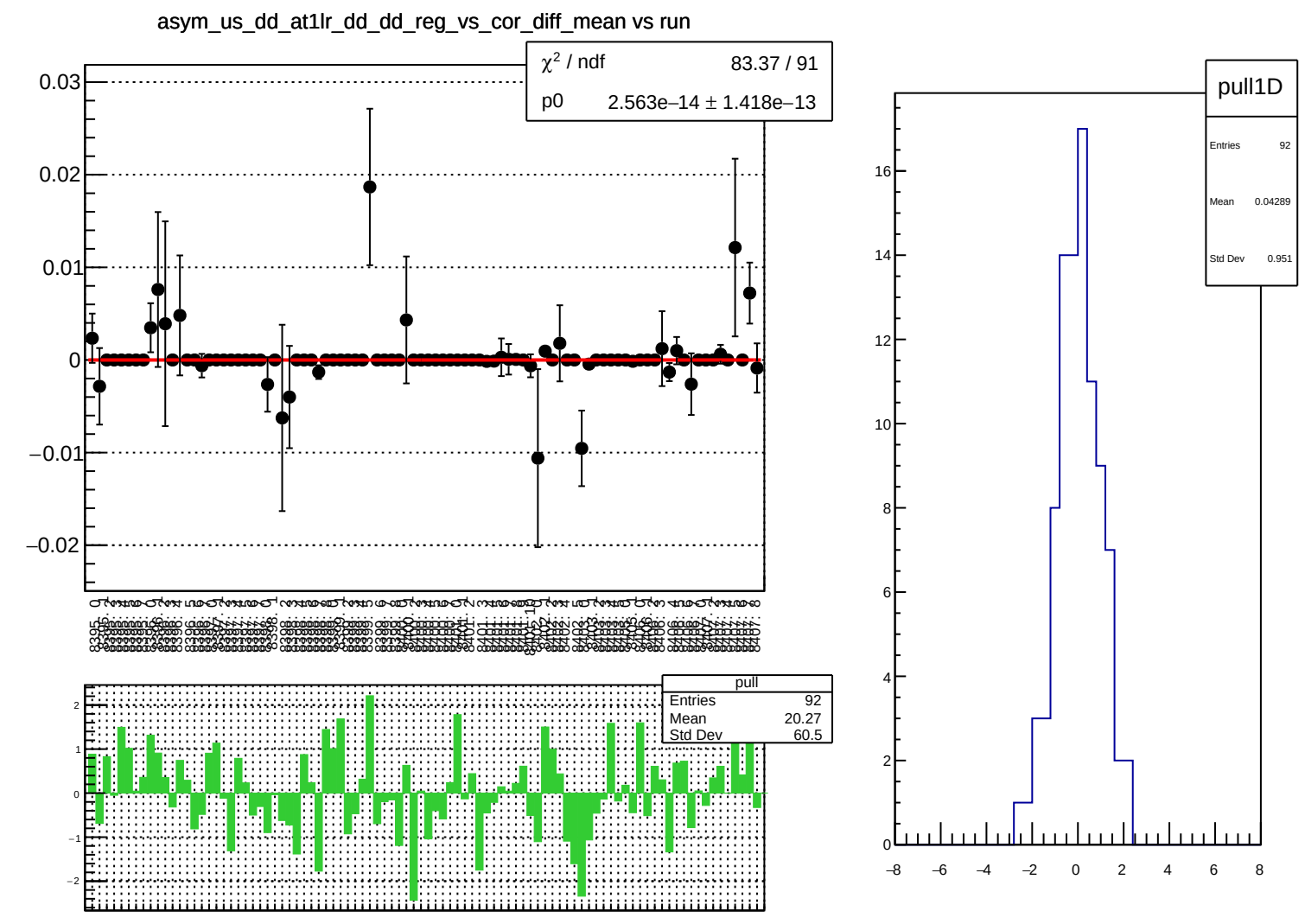

pull1D
Entries 92
Mean −0.004023
Std Dev 0.9063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

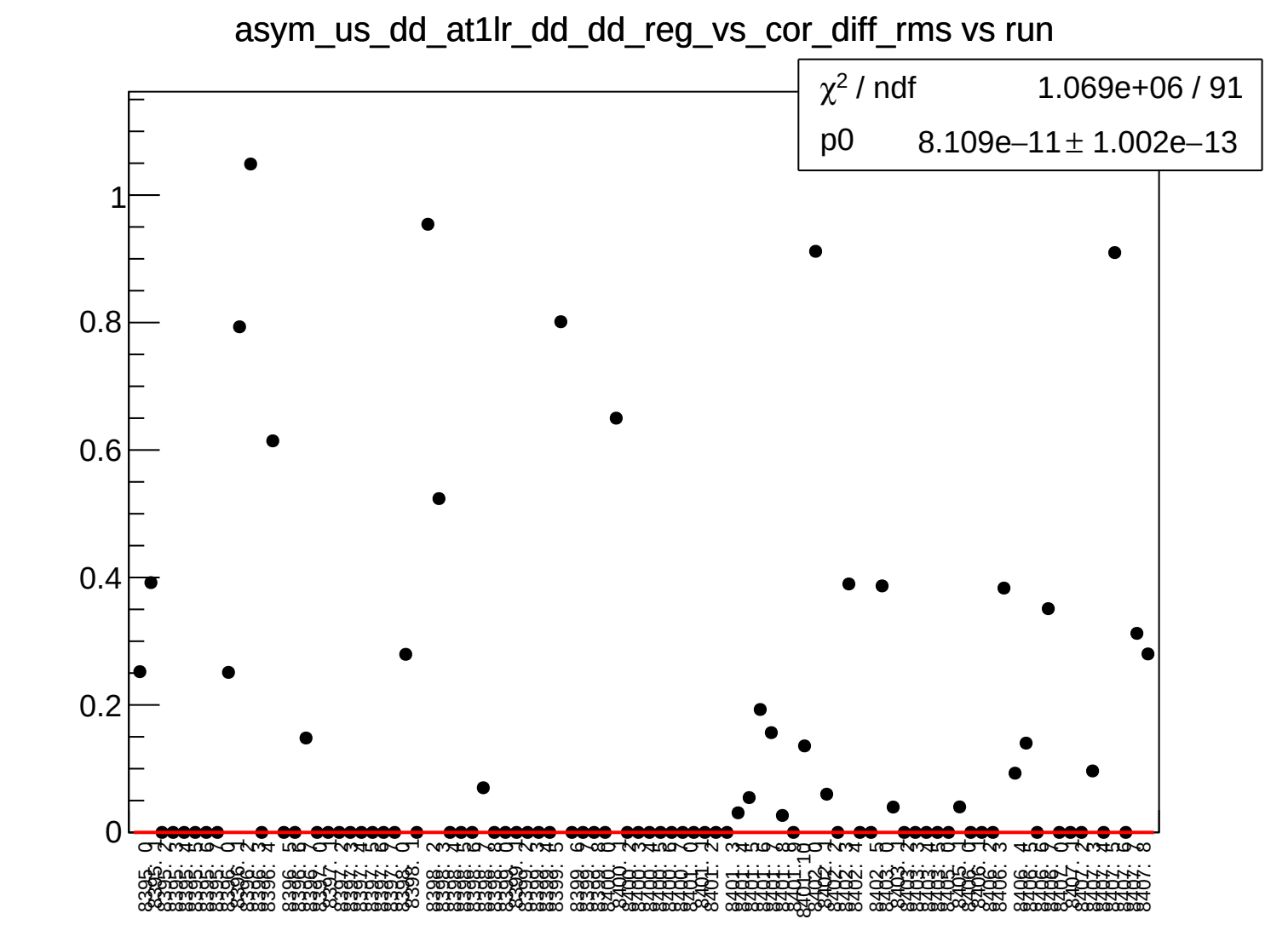

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3718 / 91
p0 1326 ± 1.011
1550
1500
1450
1400
1350
1300
1250

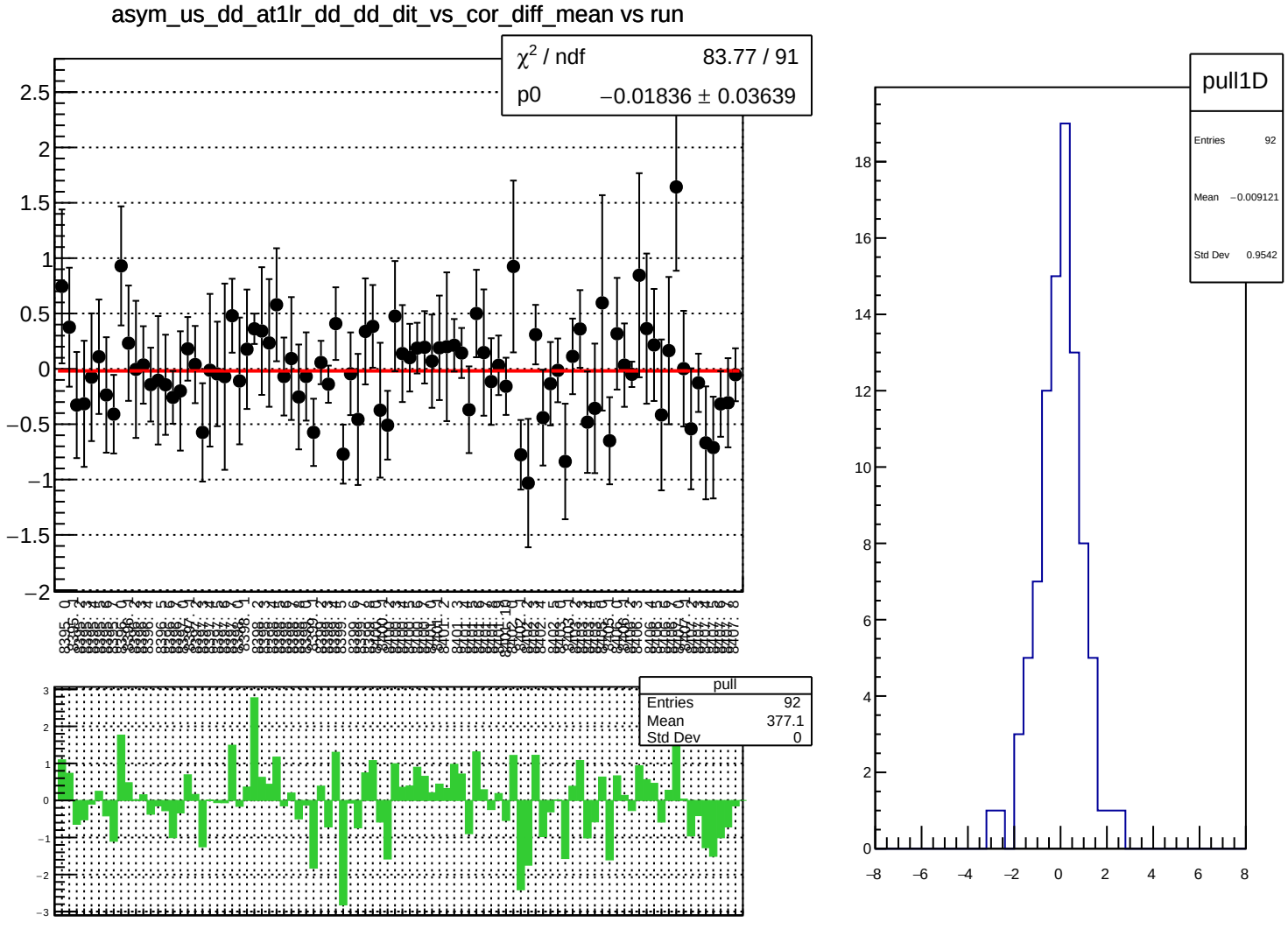

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 92.99 / 91
p0 3679 ± 2334
pull
Entries 92
Mean 361.9
Std Dev 0

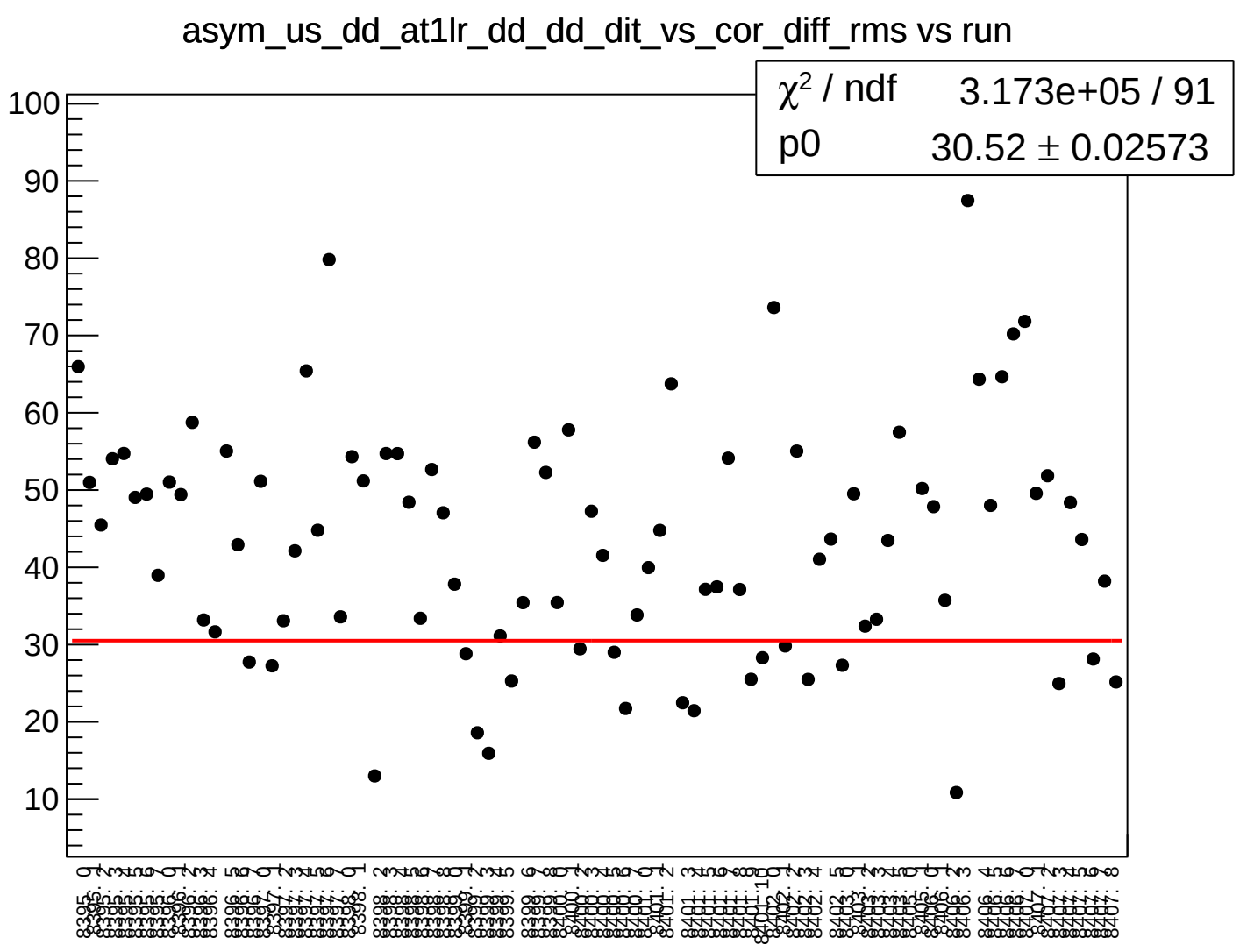

pull1D
Entries 92
Mean 0.003928
Std Dev 1.005

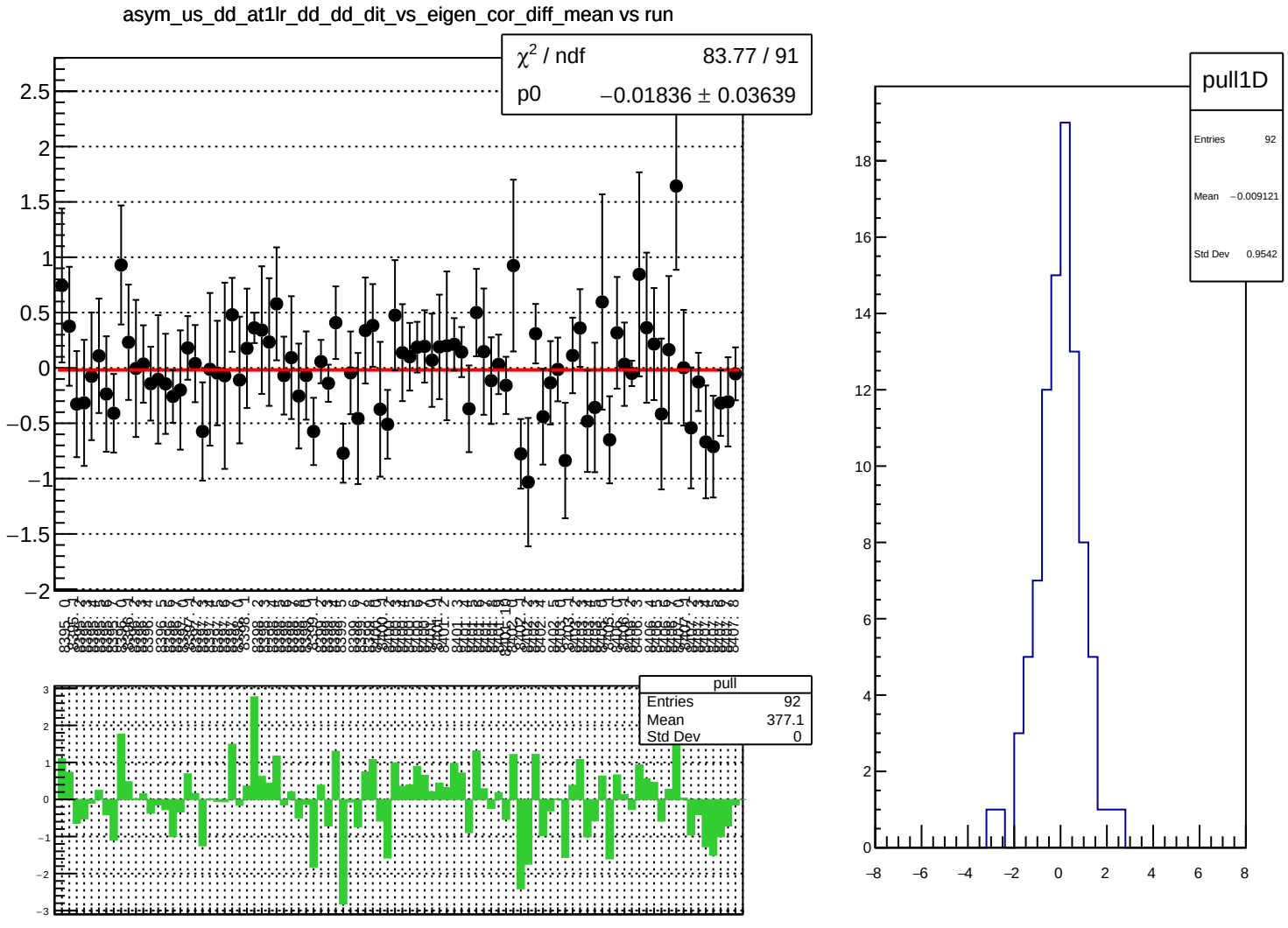

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 468.9 / 91
p0 2166 ± 1.65
2300
2250
2200
2150
2100

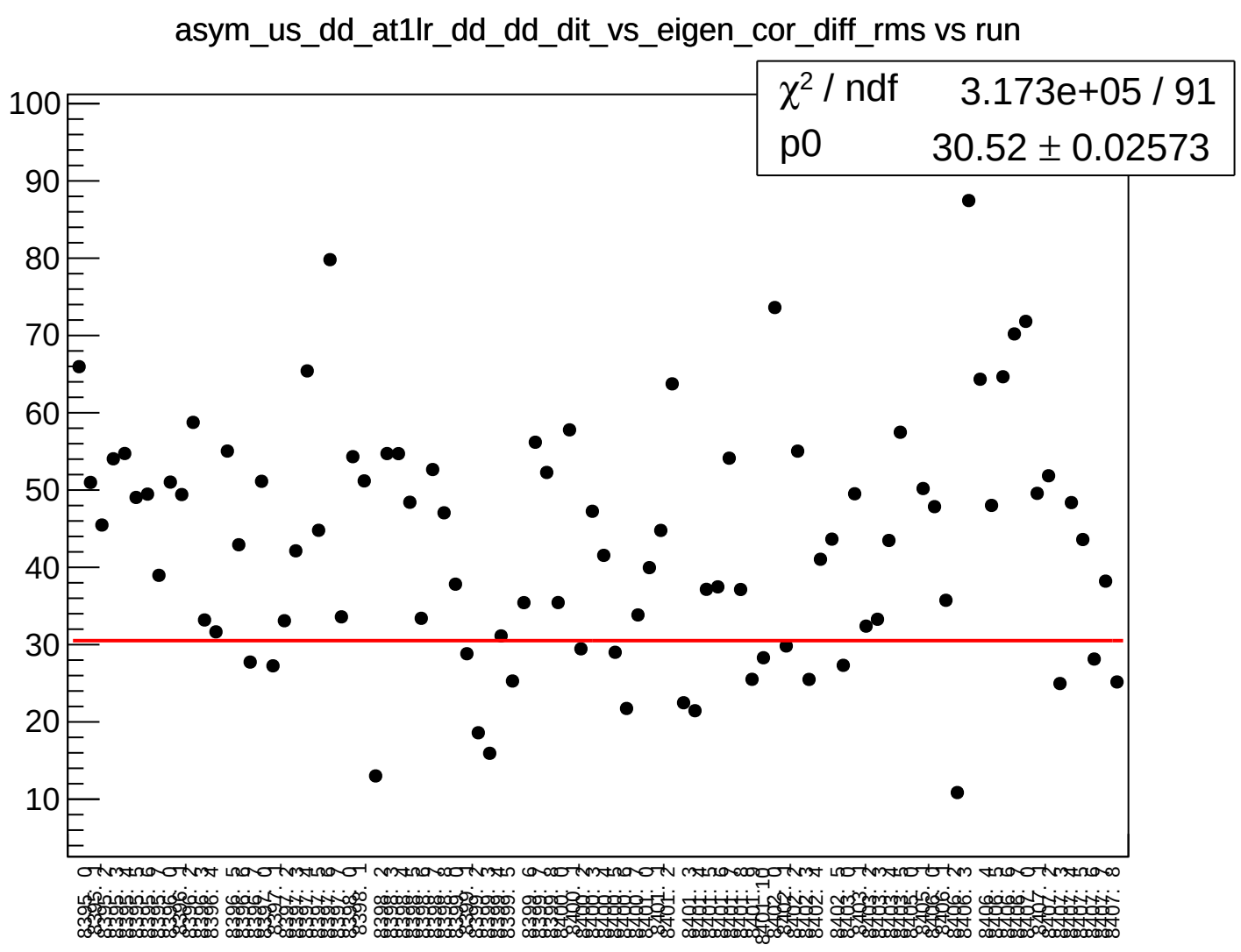

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 83.37 / 91
p0 2.563e−14 ± 1.418e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean 20.27
Std Dev 60.5
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.04289
Std Dev 0.951
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

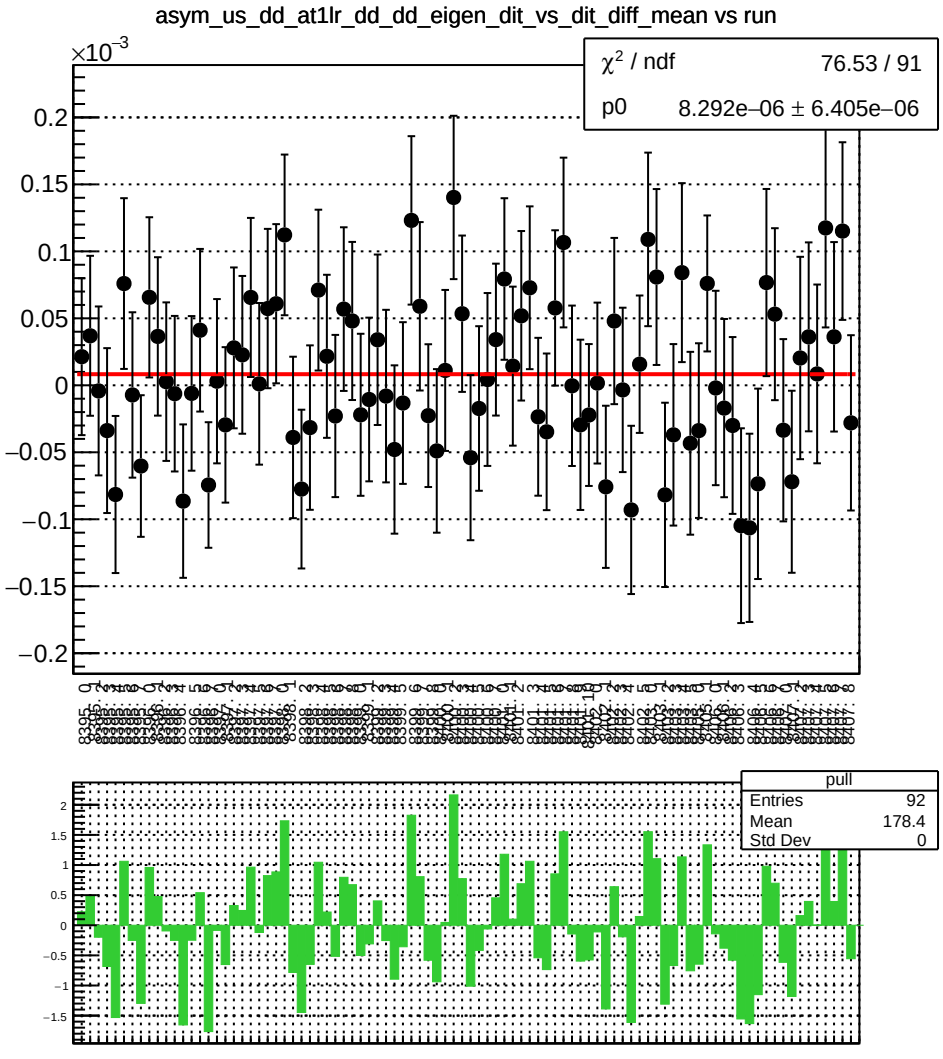

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.069e+06 / 91
p0 8.109e−11 ± 1.002e−13
1
0.8
0.6
0.4
0.2
0

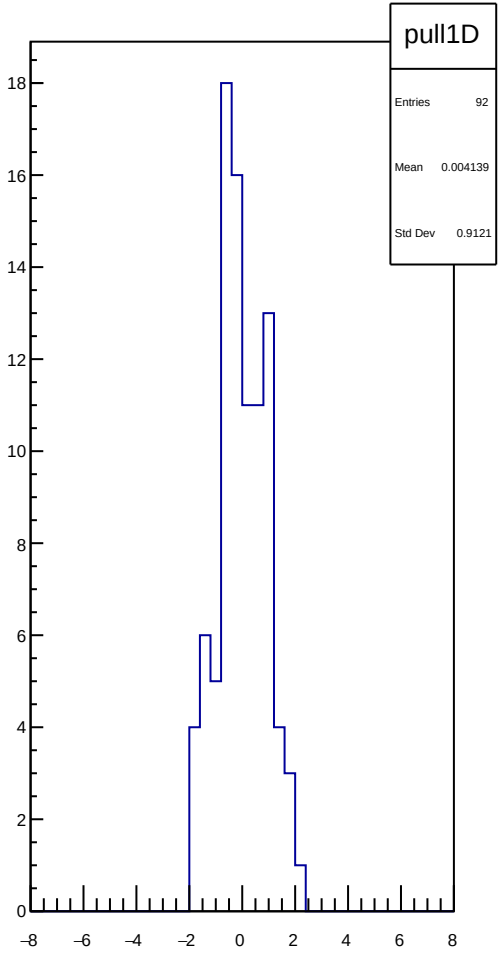

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.77 / 91
p0 −0.01836 ± 0.03639
pull
Entries 92
Mean 377.1
Std Dev 0
pull1D
Entries 92
Mean −0.009121
Std Dev 0.9542

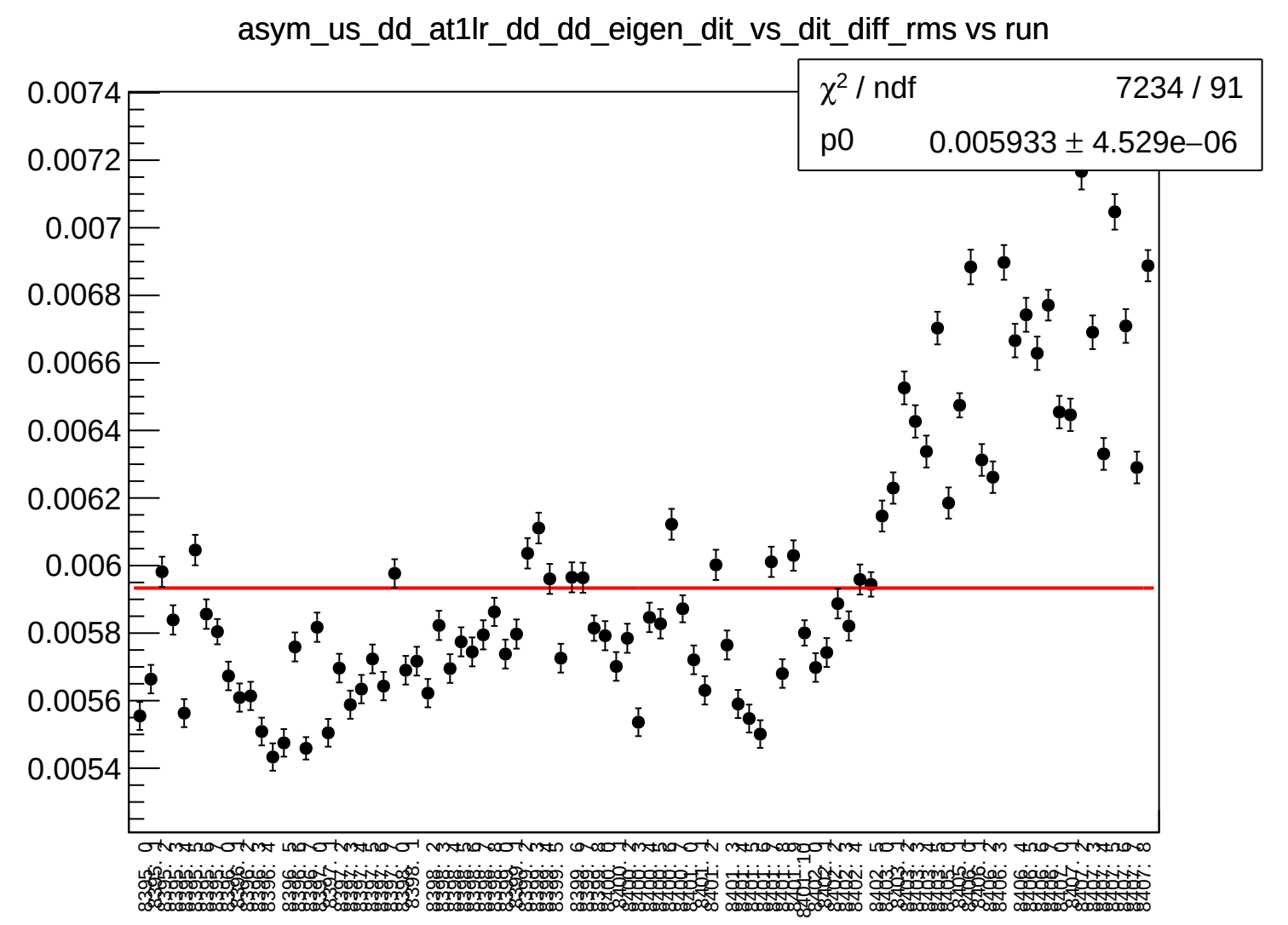

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.173e+05 / 91
p0 30.52 ± 0.02573
100
90
80
70
60
50
40
30
20
10

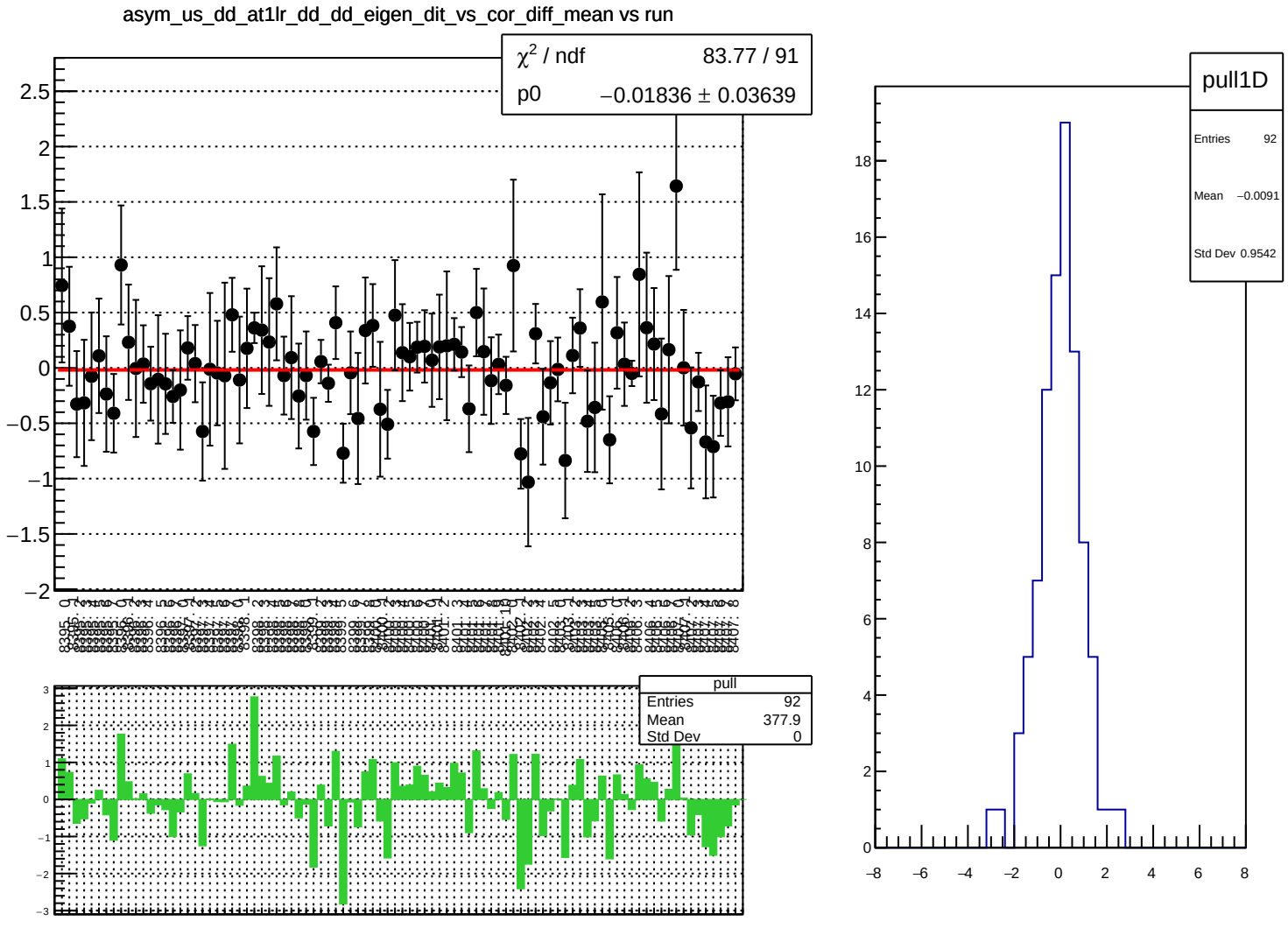

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.77 / 91
p0 −0.01836 ± 0.03639
pull
Entries 92
Mean 377.1
Std Dev 0
pull1D
Entries 92
Mean −0.009121
Std Dev 0.9542

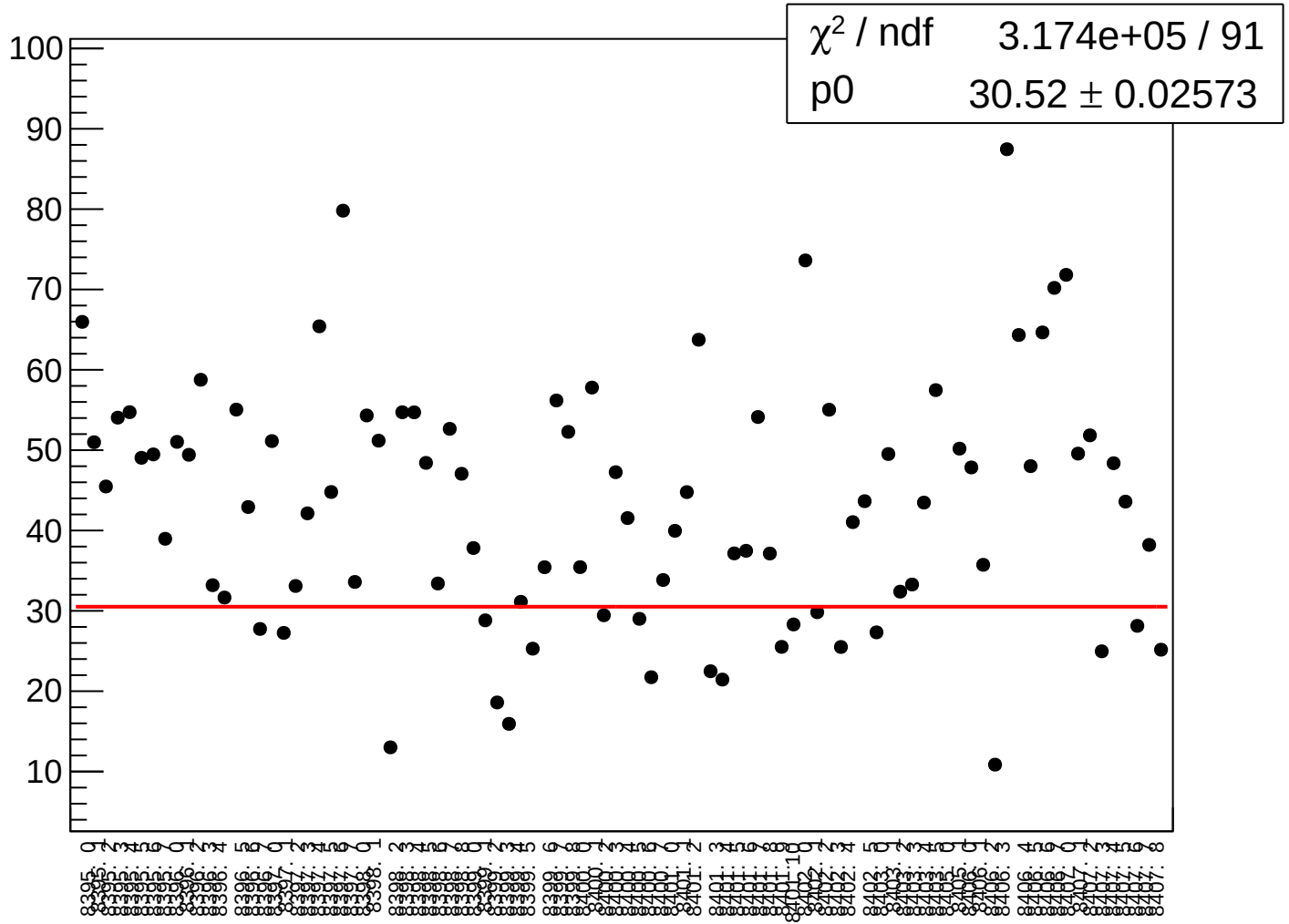

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.173e+05 / 91
p0 30.52 ± 0.02573
100
90
80
70
60
50
40
30
20
10

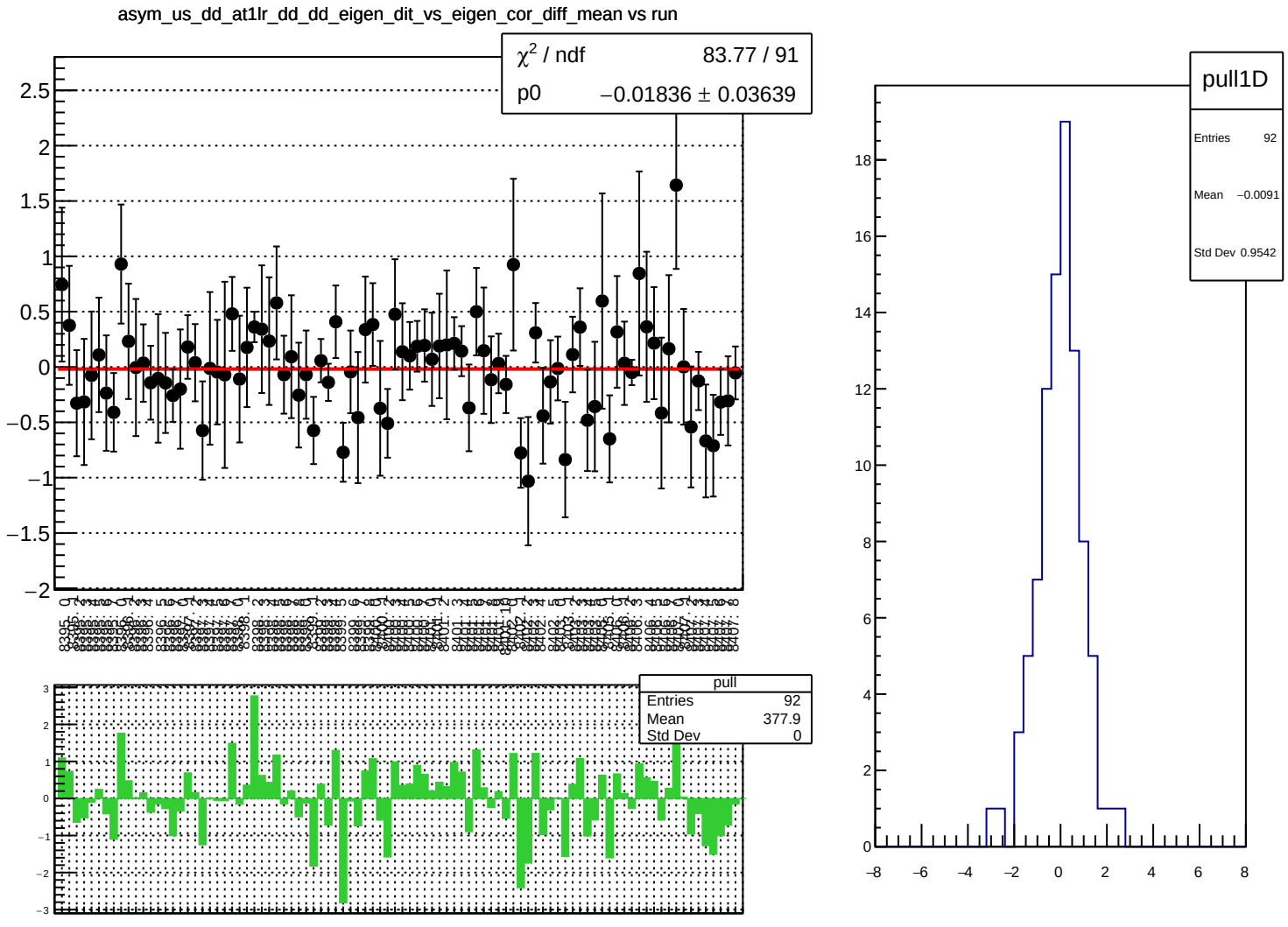

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.53 / 91
p0 8.292e−06 ± 6.405e−06
pull
Entries 92
Mean 178.4
Std Dev 0

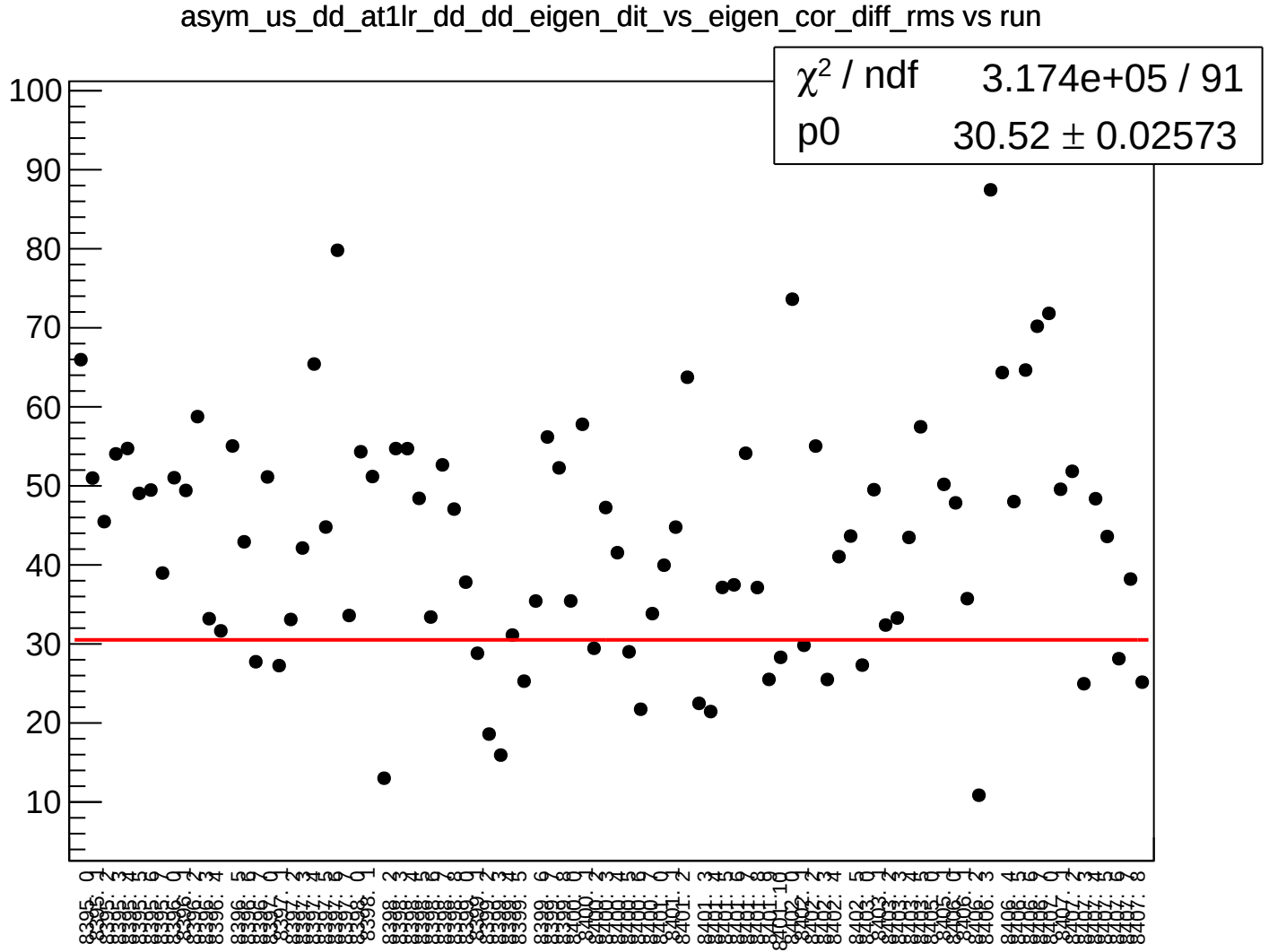

pull1D
Entries 92
Mean 0.004139
Std Dev 0.9121

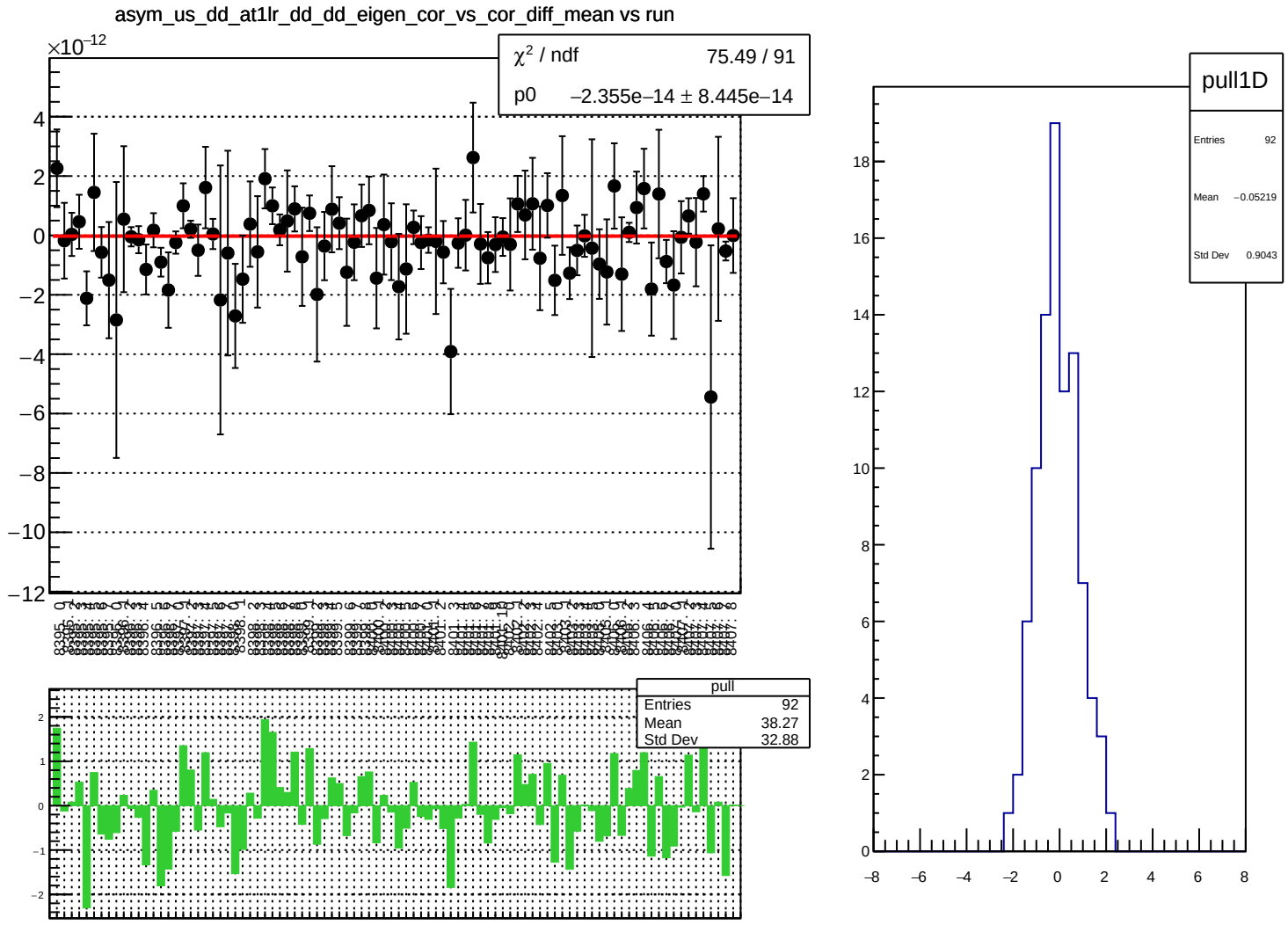

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7234 / 91
p0 0.005933 ± 4.529e−06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054

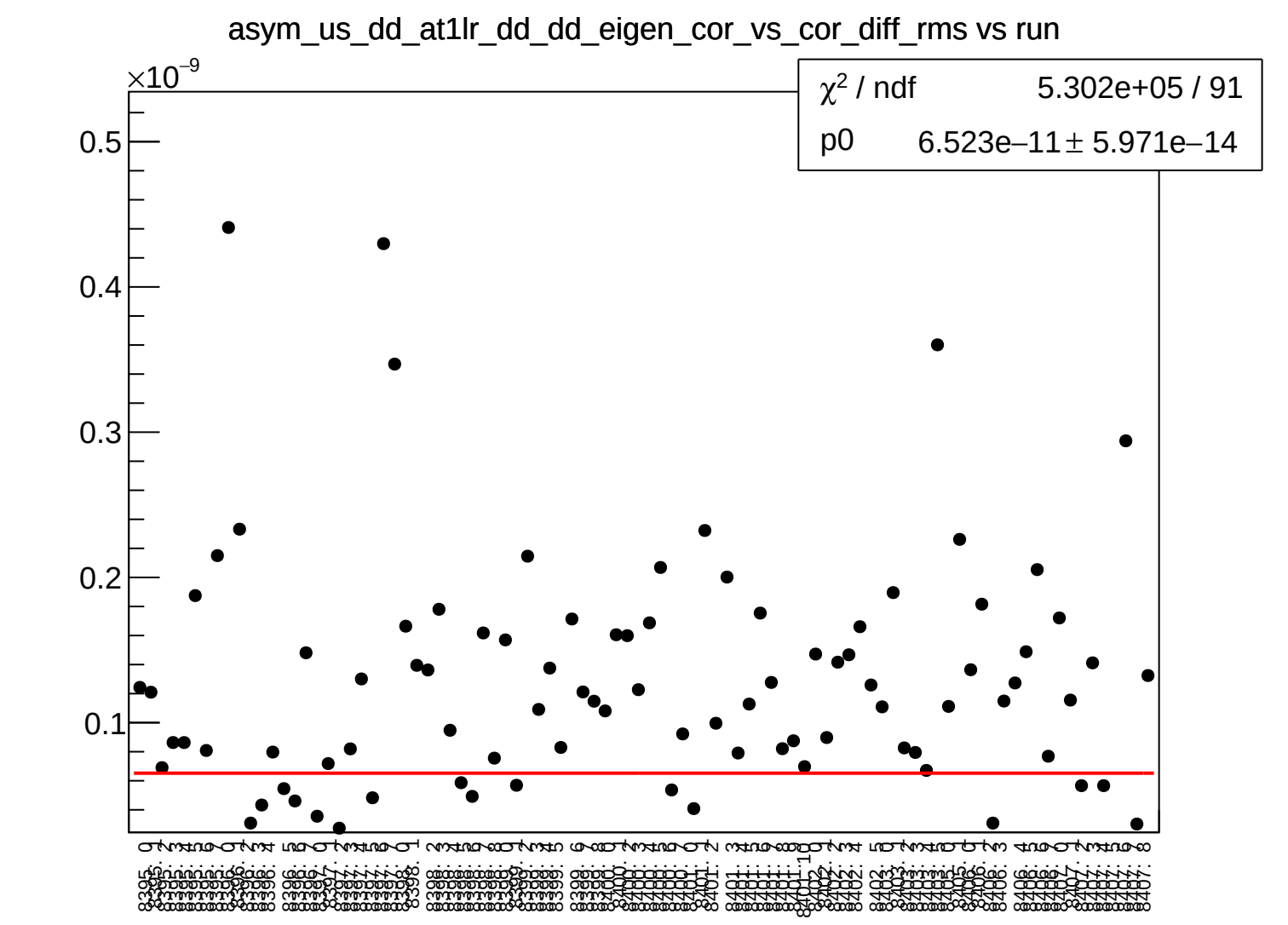

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.77 / 91
p0 −0.01836 ± 0.03639
pull
Entries 92
Mean 377.9
Std Dev 0
pull1D
Entries 92
Mean −0.0091
Std Dev 0.9542

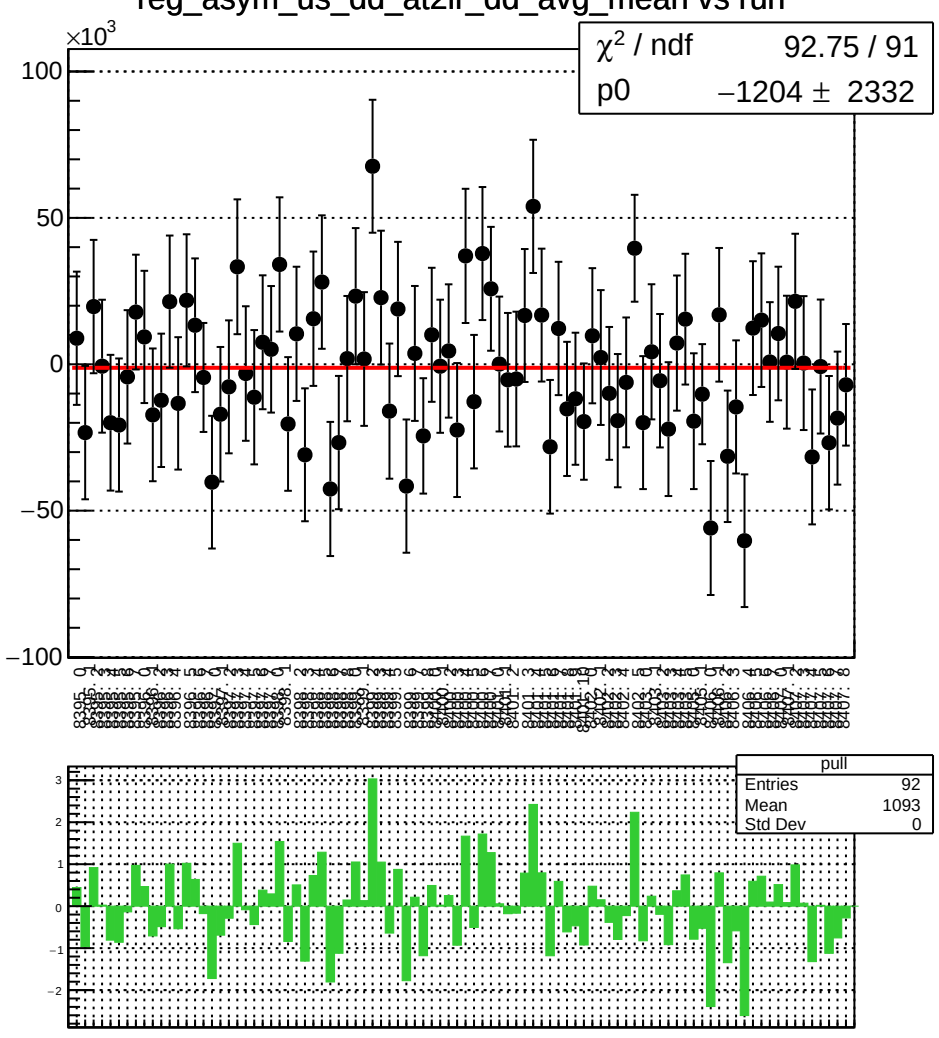

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.174e+05 / 91
p0 30.52 ± 0.02573
100
90
80
70
60
50
40
30
20
10

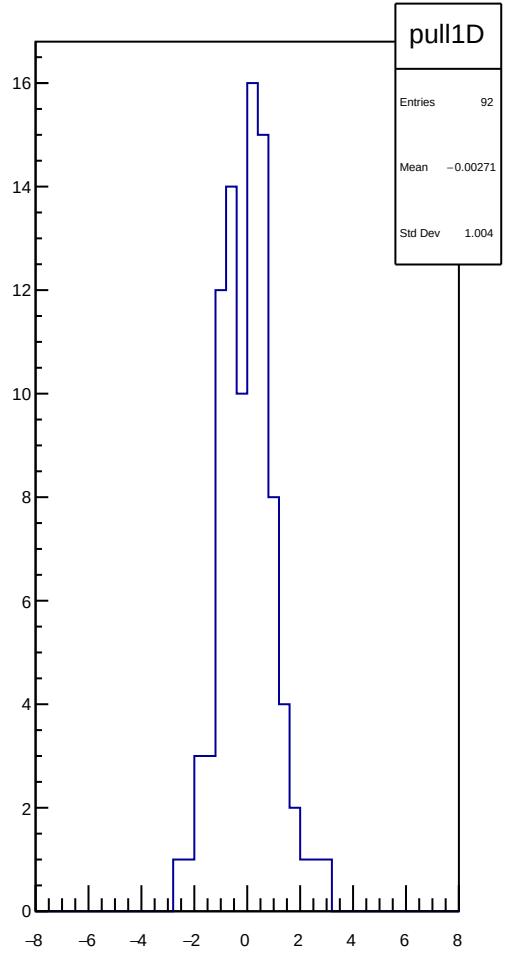

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.77 / 91
p0 −0.01836 ± 0.03639
pull
Entries 92
Mean 377.9
Std Dev 0
pull1D
Entries 92
Mean −0.0091
Std Dev 0.9542

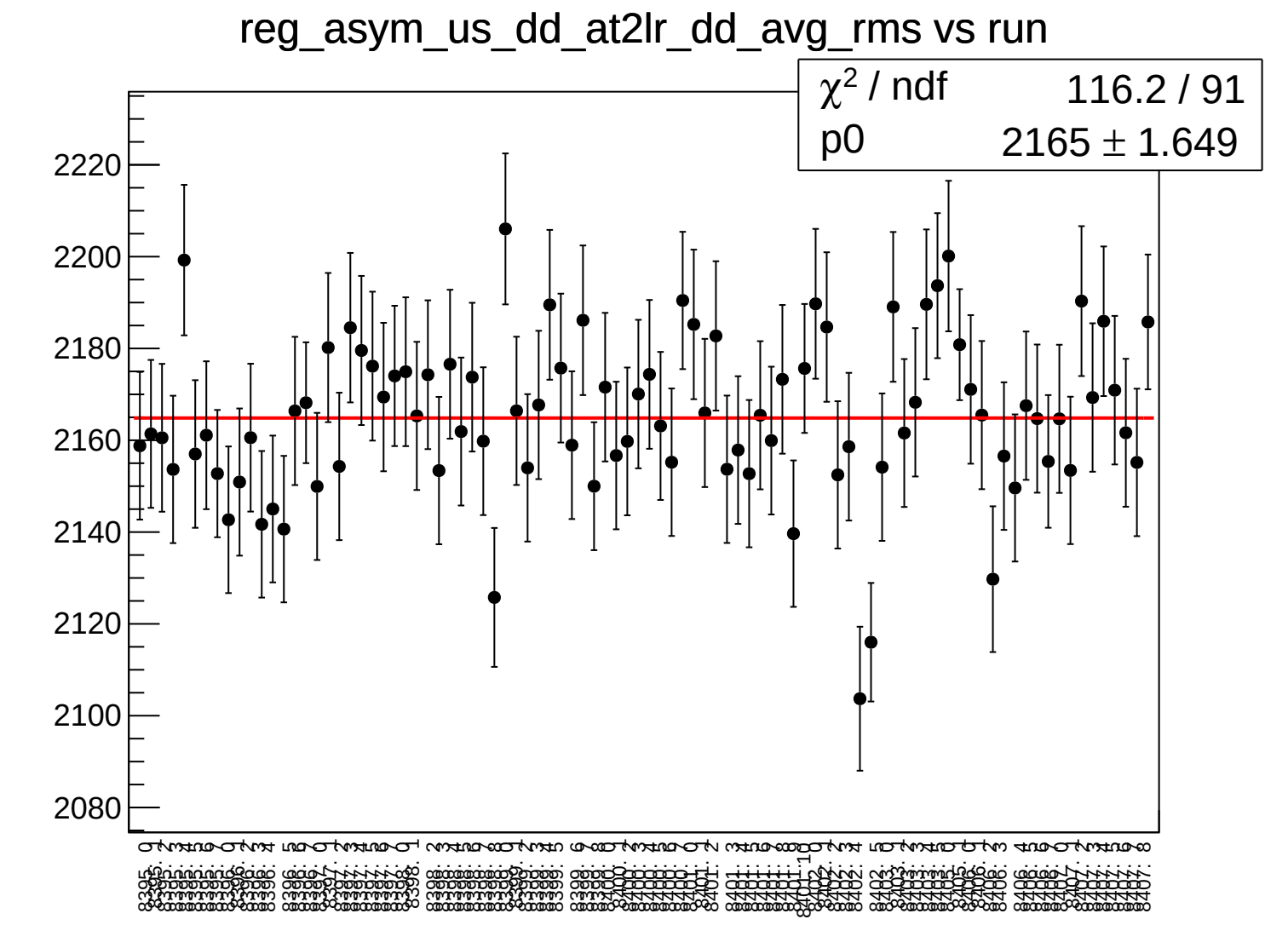

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.174e+05 / 91
p0 30.52 ± 0.02573
100
90
80
70
60
50
40
30
20
10

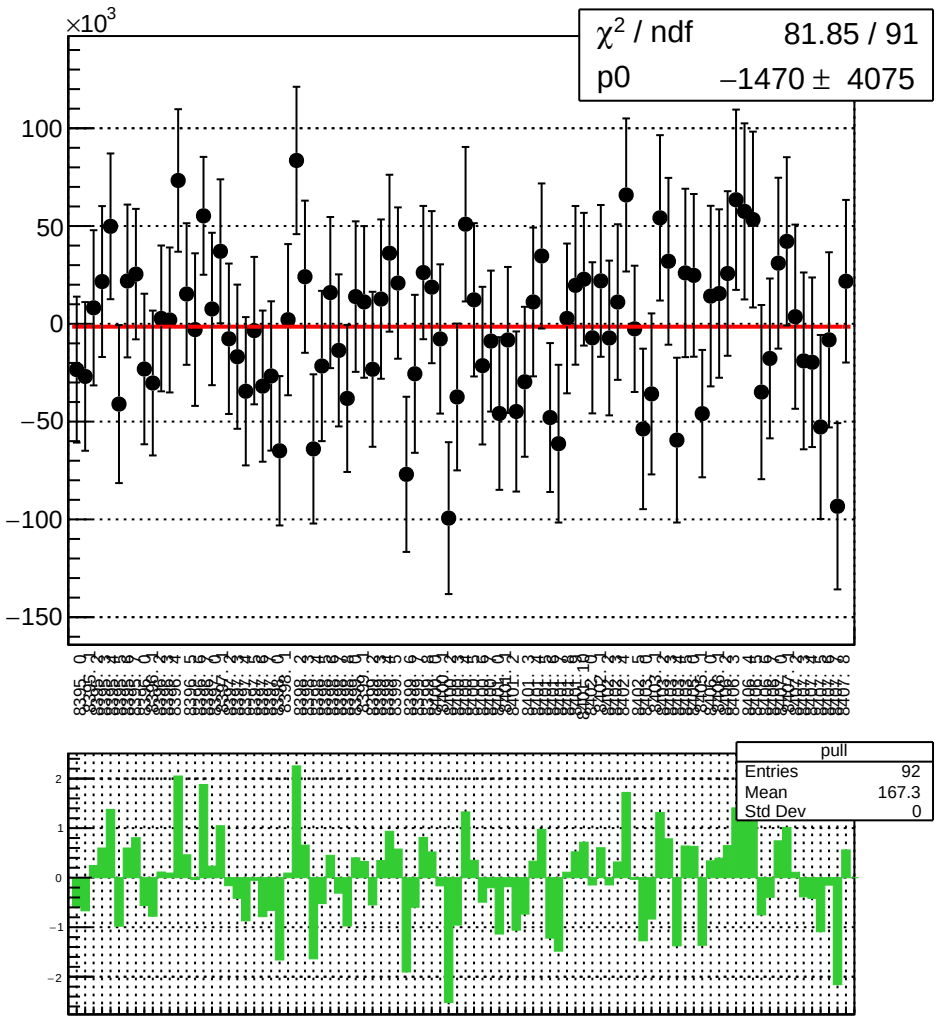

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 75.49 / 91
p0 −2.355e−14 ± 8.445e−14
pull
Entries 92
Mean 38.27
Std Dev 32.88
pull1D
Entries 92
Mean −0.05219
Std Dev 0.9043

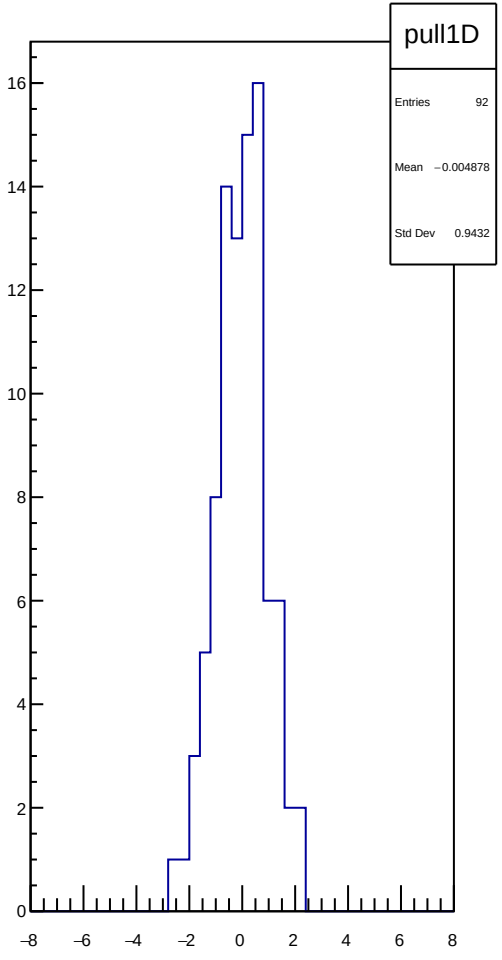

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.302e+05 / 91
p0 6.523e−11 ± 5.971e−14
0.5
0.4
0.3
0.2
0.1

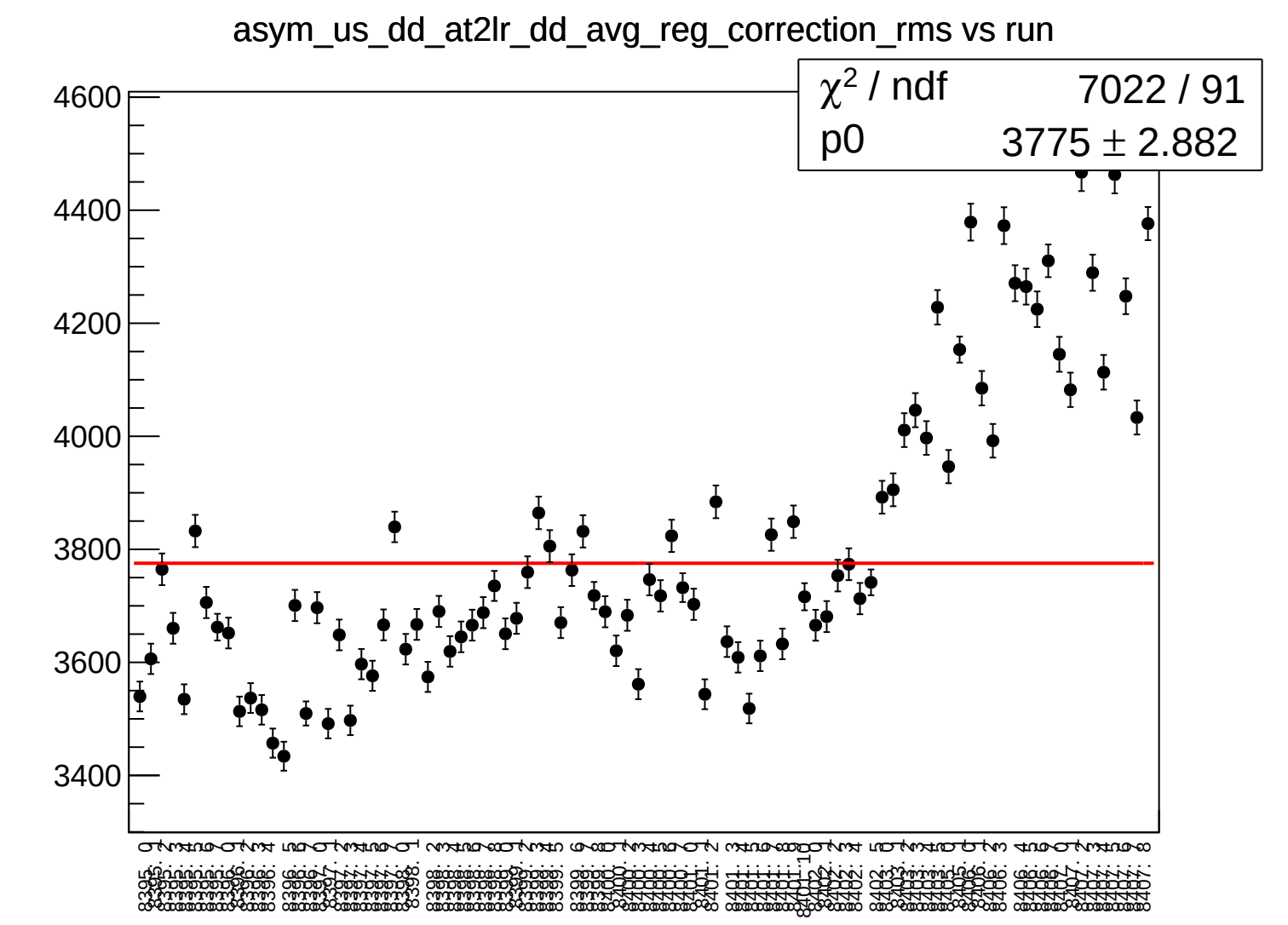

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 92.75 / 91
p0 −1204 ± 2332
100
50
0
−50
−100
pull
Entries 92
Mean 1093
Std Dev 0
3
2
1
0
−1
−2

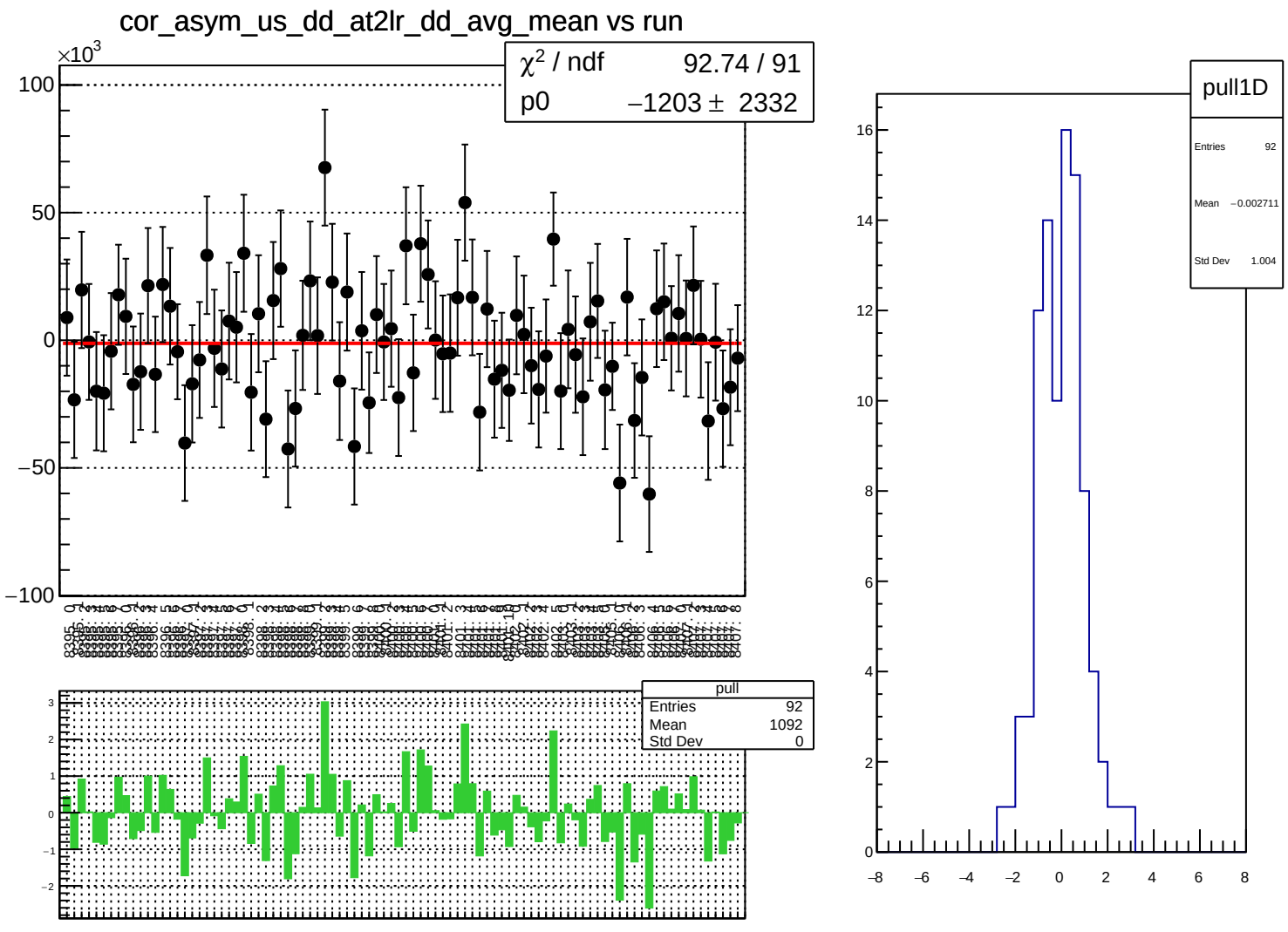

pull1D
Entries 92
Mean −0.00271
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

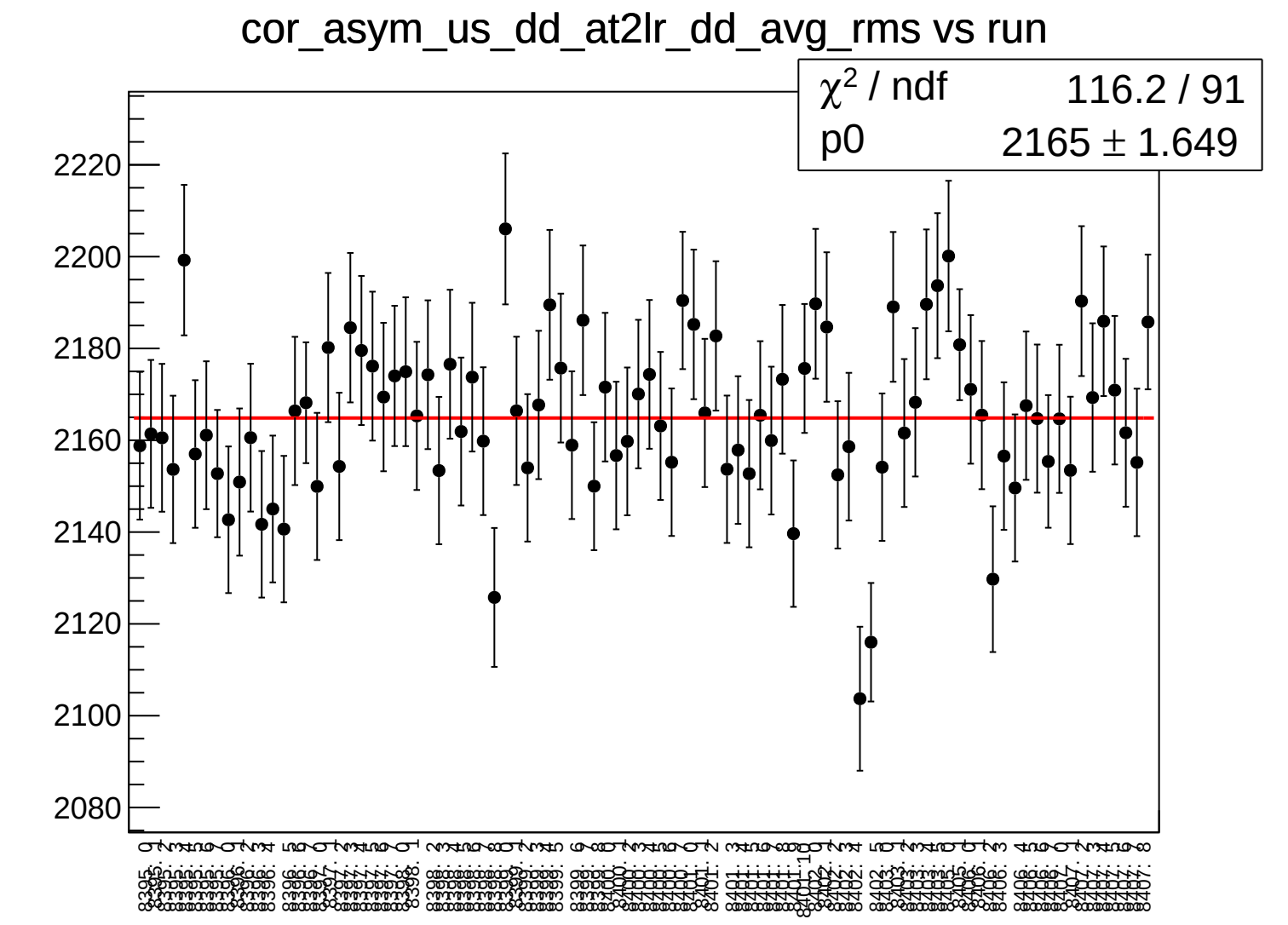

reg_asym_us_dd_at2lr_dd_avg_rms vs run
$\chi^2$ / ndf 116.2 / 91
p0 2165 ± 1.649
2220
2200
2180
2160
2140
2120
2100
2080

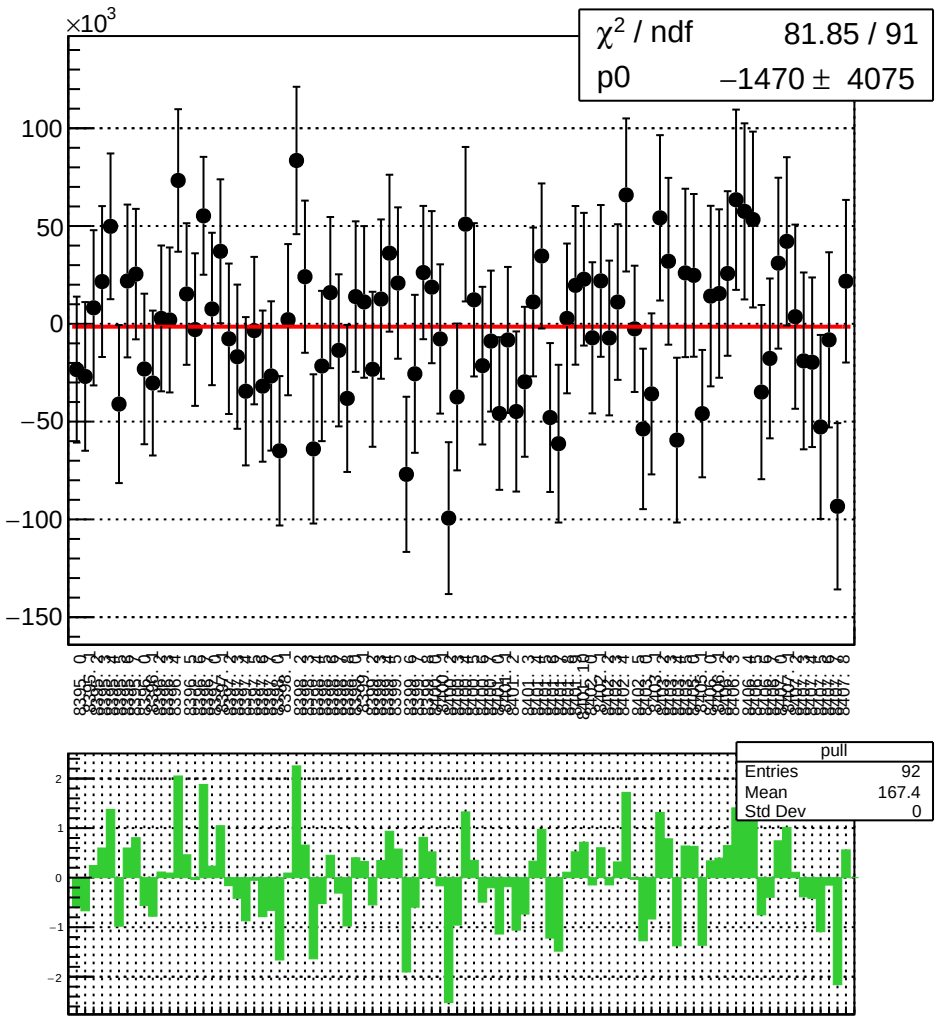

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 81.85 / 91
p0 −1470 ± 4075
100
50
0
−50
−100
−150
pull
Entries 92
Mean 167.3
Std Dev 0
2
1
0
−1
−2

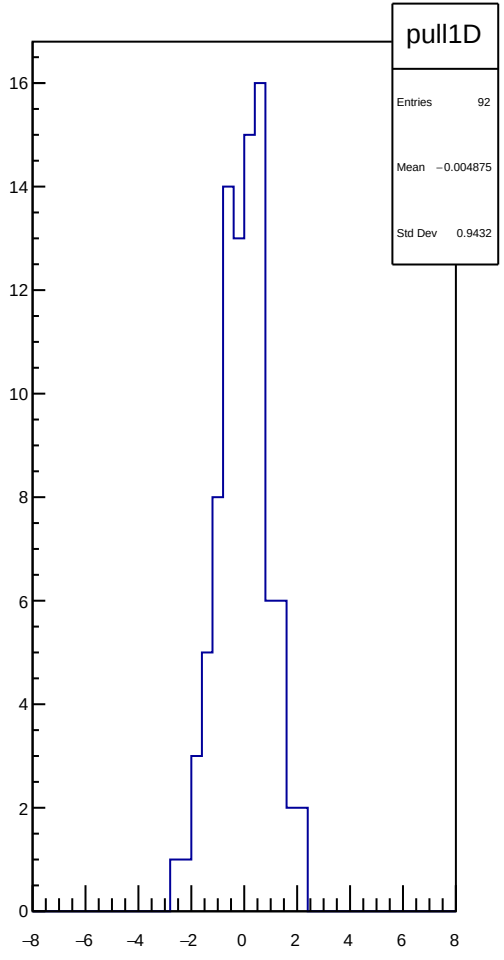

pull1D
Entries 92
Mean −0.004878
Std Dev 0.9432
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

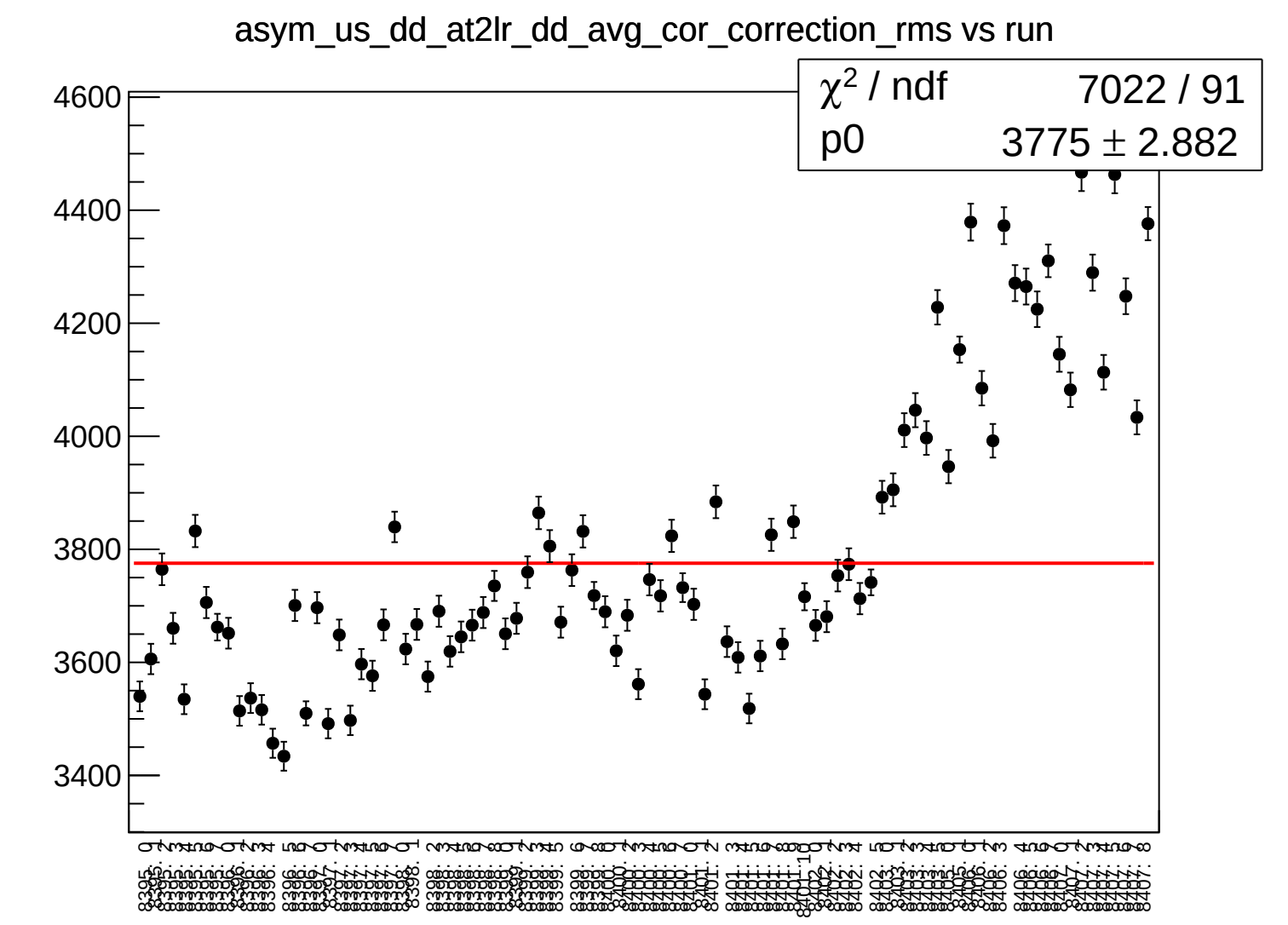

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 7022 / 91
p0 3775 ± 2.882
4600
4400
4200
4000
3800
3600
3400

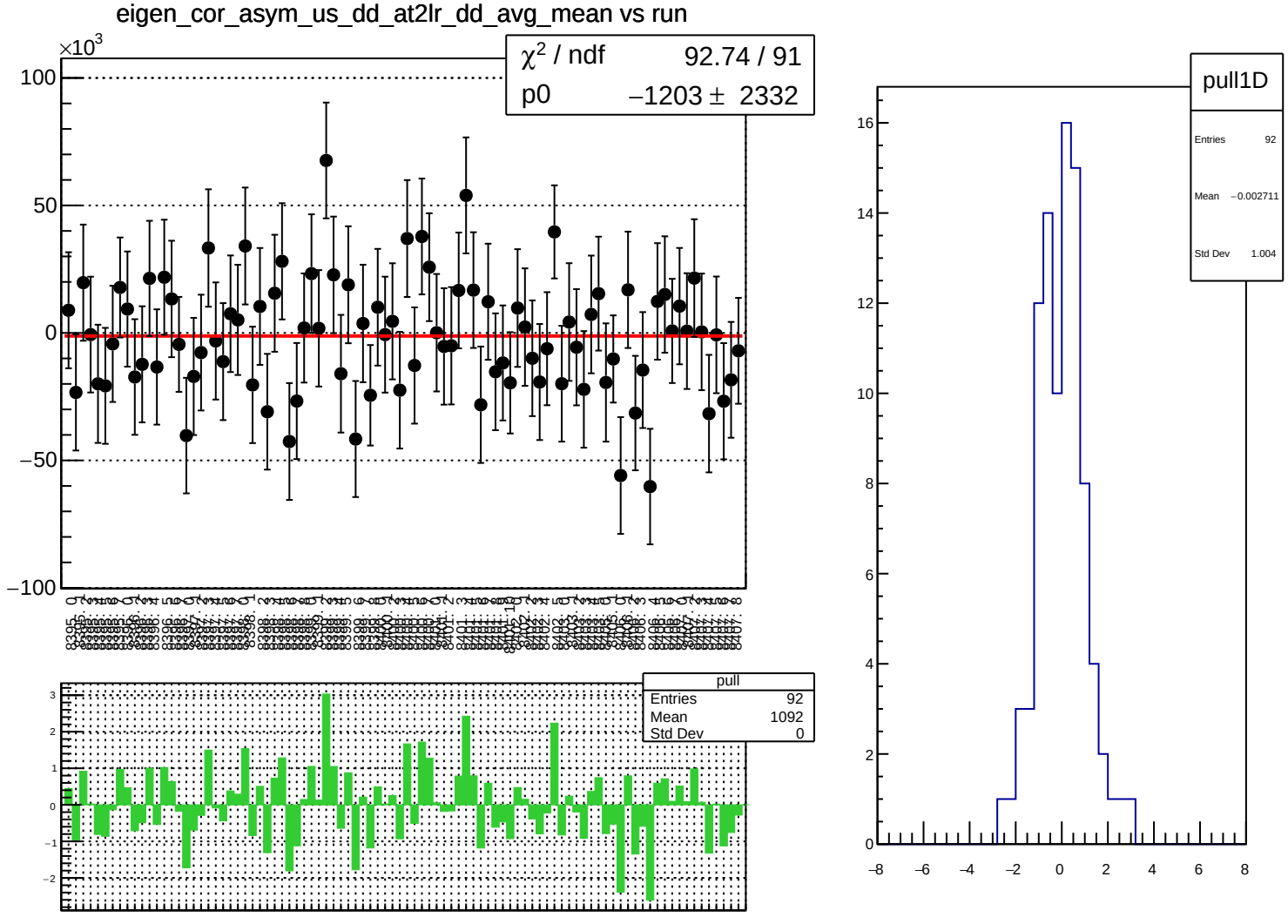

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 92.74 / 91
p0 −1203 ± 2332
100
50
0
−50
−100
pull
Entries 92
Mean 1092
Std Dev 0
pull1D
Entries 92
Mean −0.002711
Std Dev 1.004

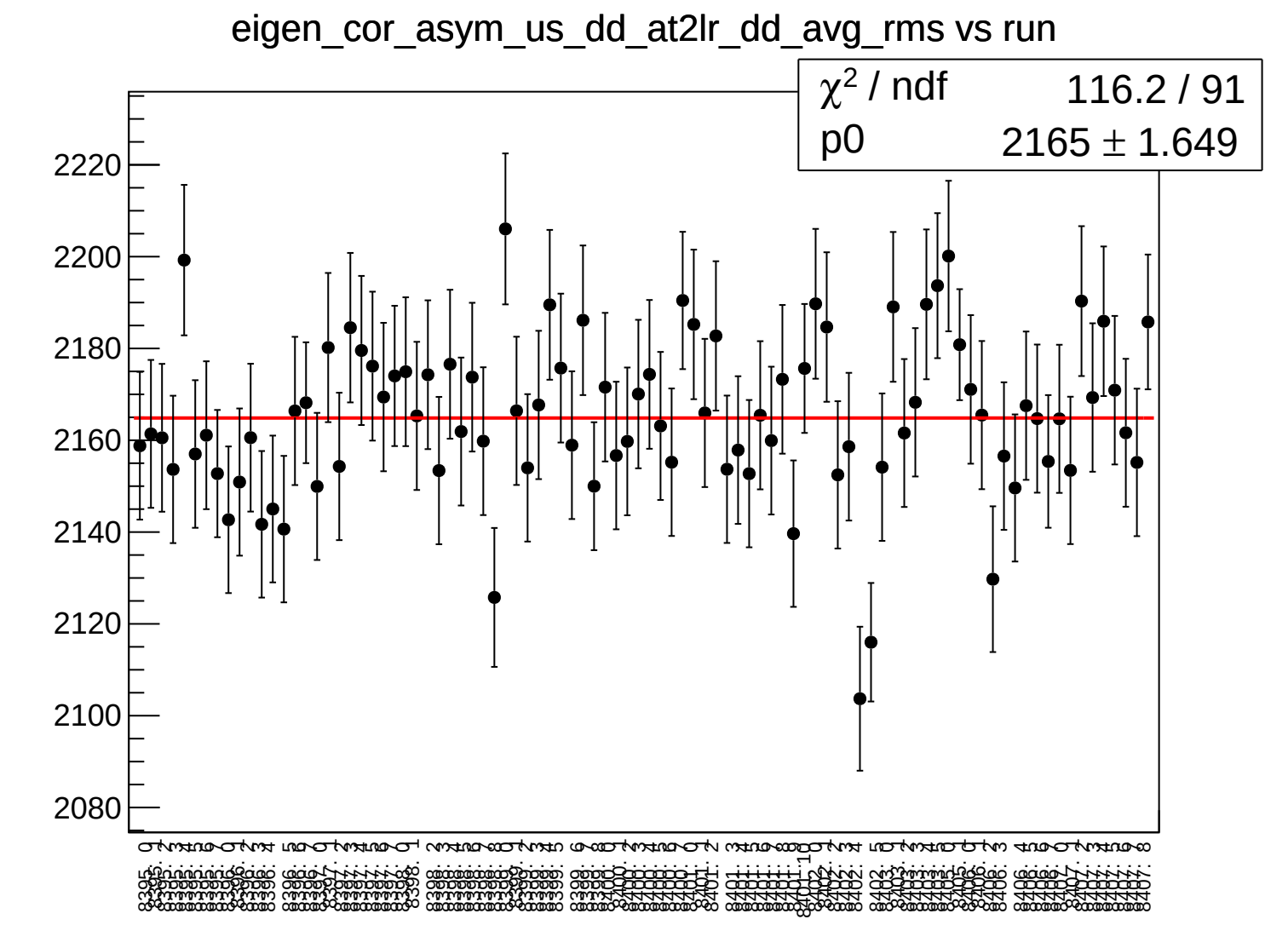

cor_asym_us_dd_at2lr_dd_avg_rms vs run
$\chi^2$ / ndf 116.2 / 91
p0 2165 ± 1.649
2220
2200
2180
2160
2140
2120
2100
2080

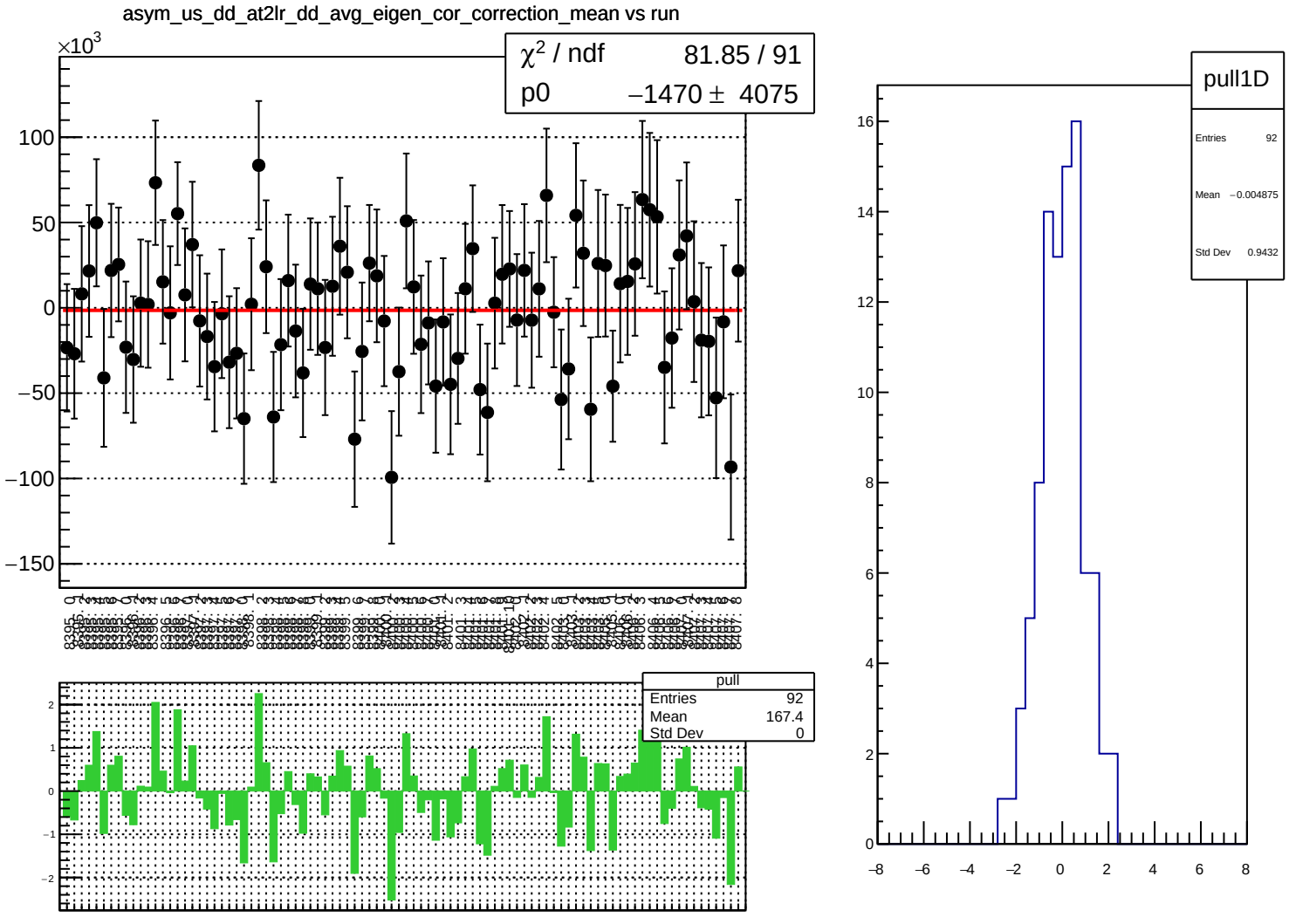

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 81.85 / 91
p0 −1470 ± 4075
100
50
0
−50
−100
−150
pull
Entries 92
Mean 167.4
Std Dev 0
2
1
0
−1
−2

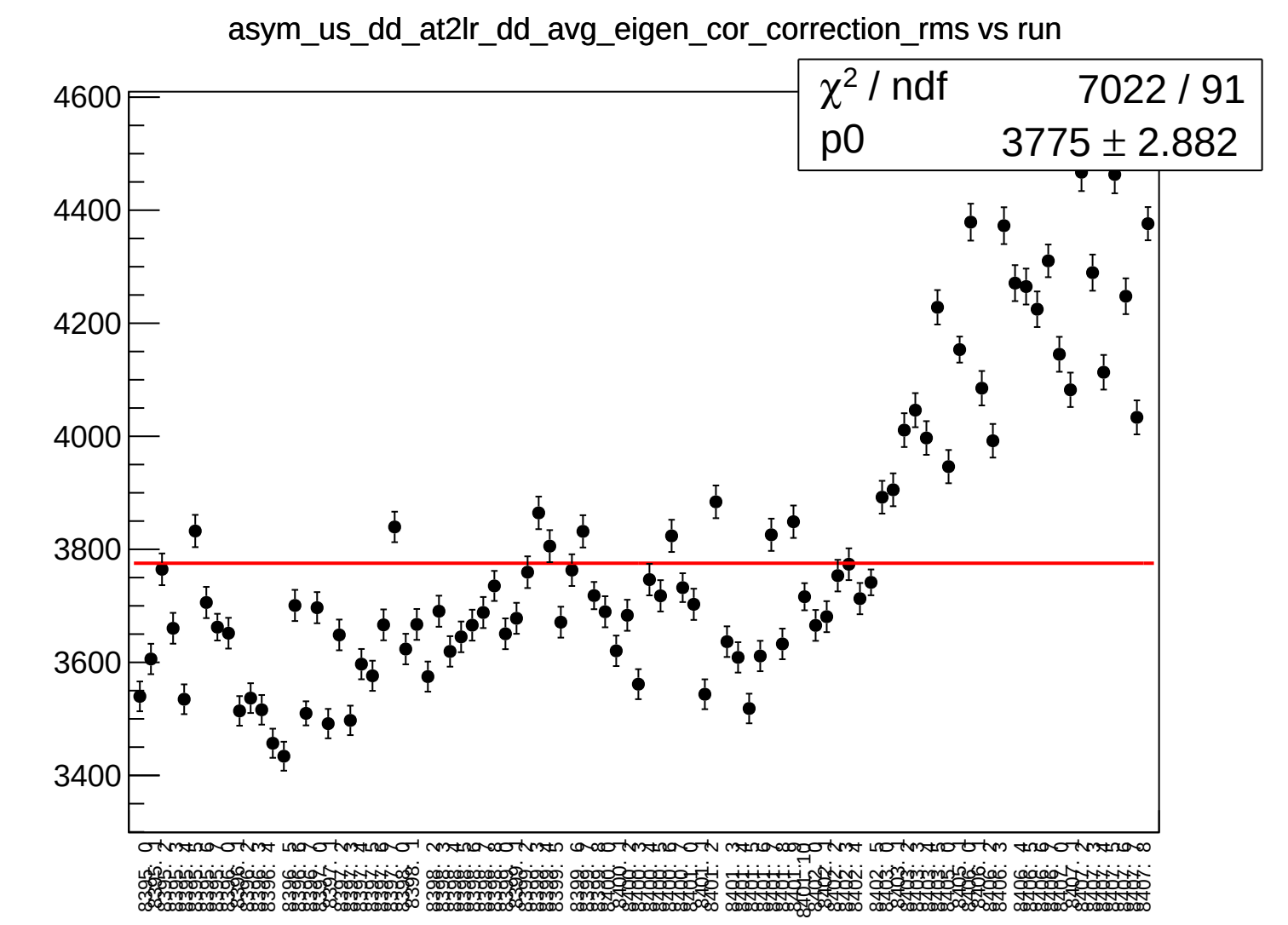

pull1D
Entries 92
Mean −0.004875
Std Dev 0.9432
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

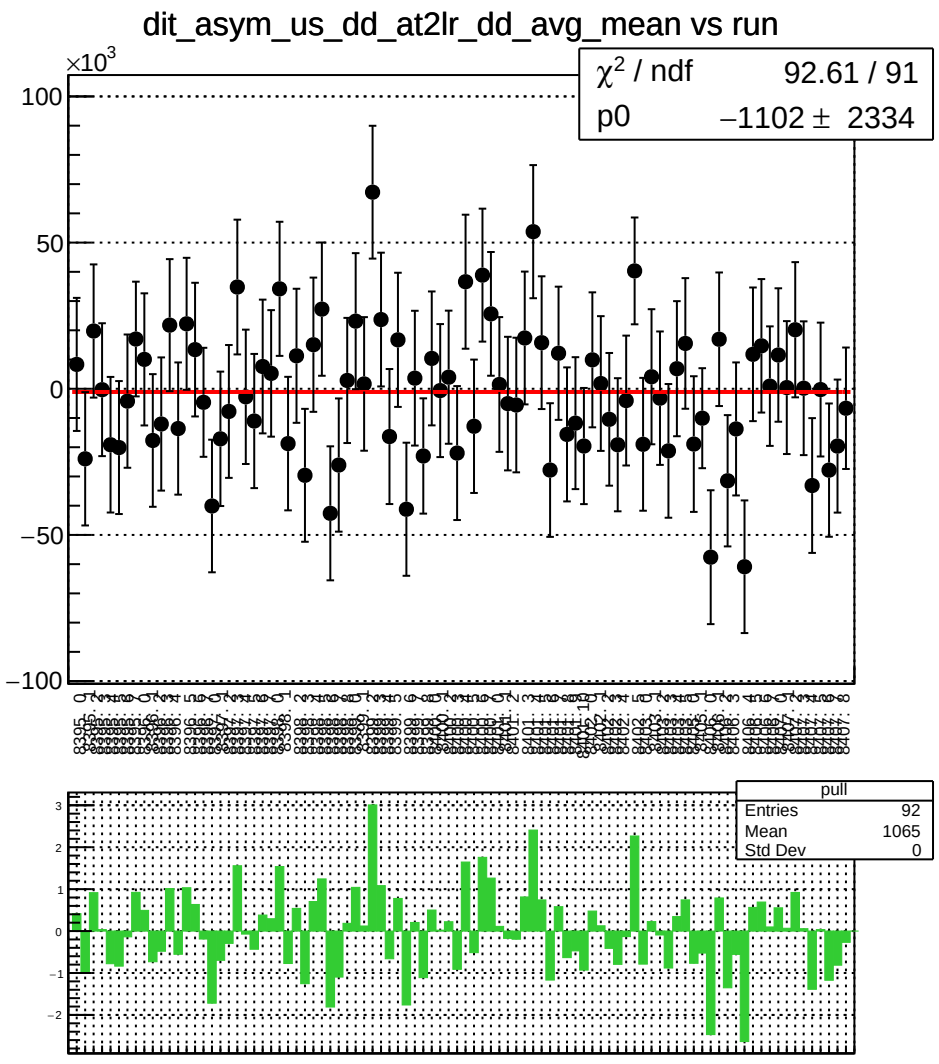

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 7022 / 91
p0 3775 ± 2.882
4600
4400
4200
4000
3800
3600
3400

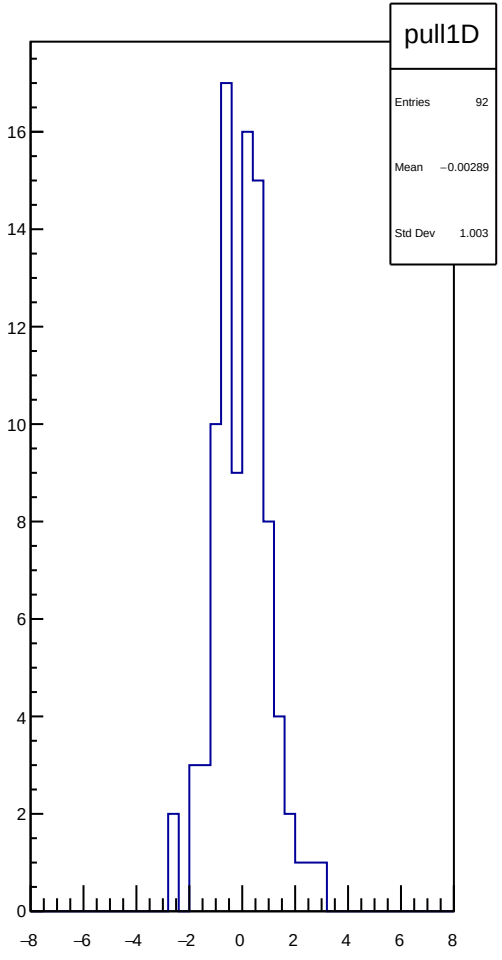

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 92.74 / 91
p0 −1203 ± 2332
100
50
0
−50
−100
pull
Entries 92
Mean 1092
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002711
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

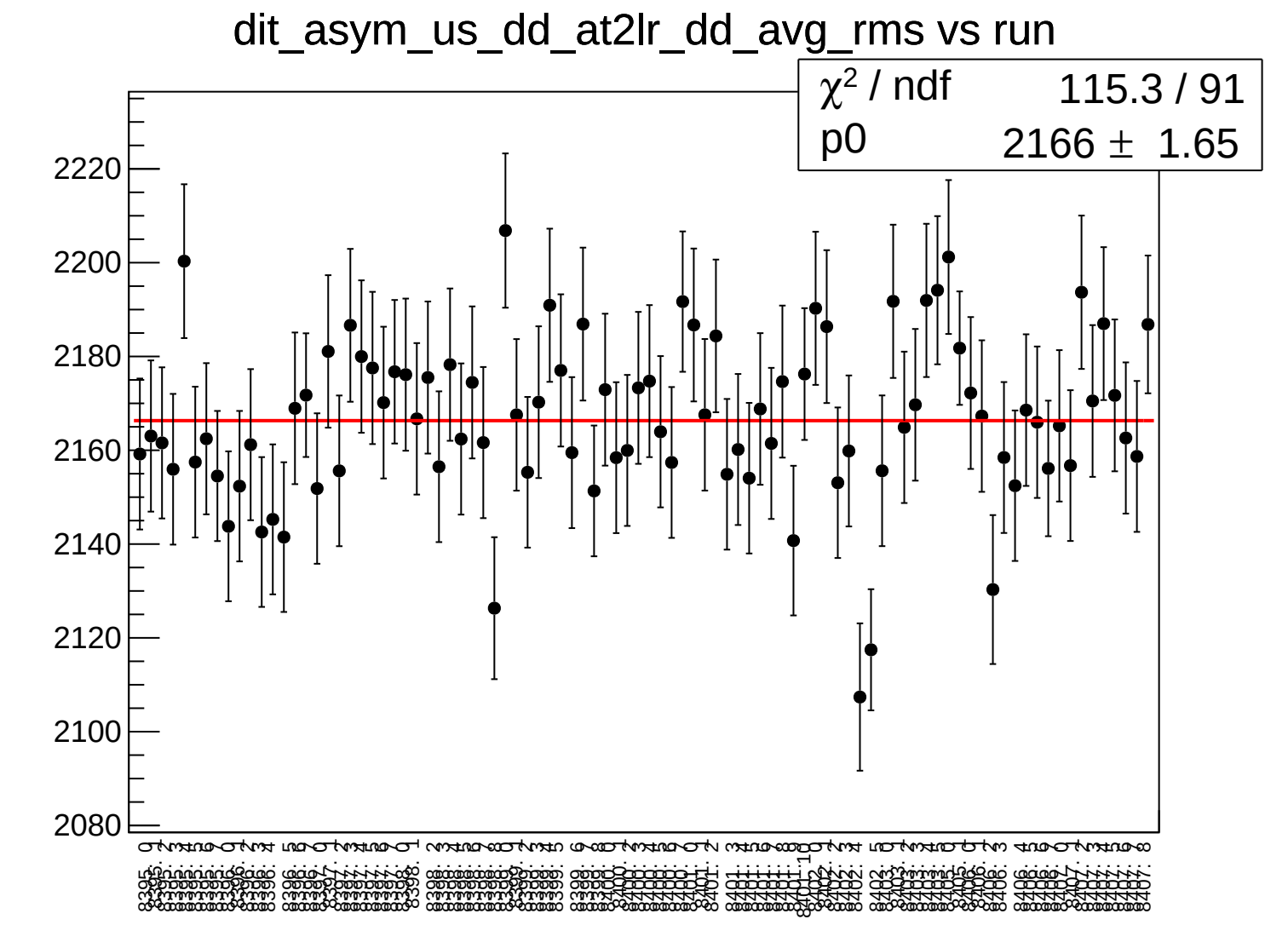

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
$\chi^2$ / ndf 116.2 / 91
p0 2165 ± 1.649
2220
2200
2180
2160
2140
2120
2100
2080

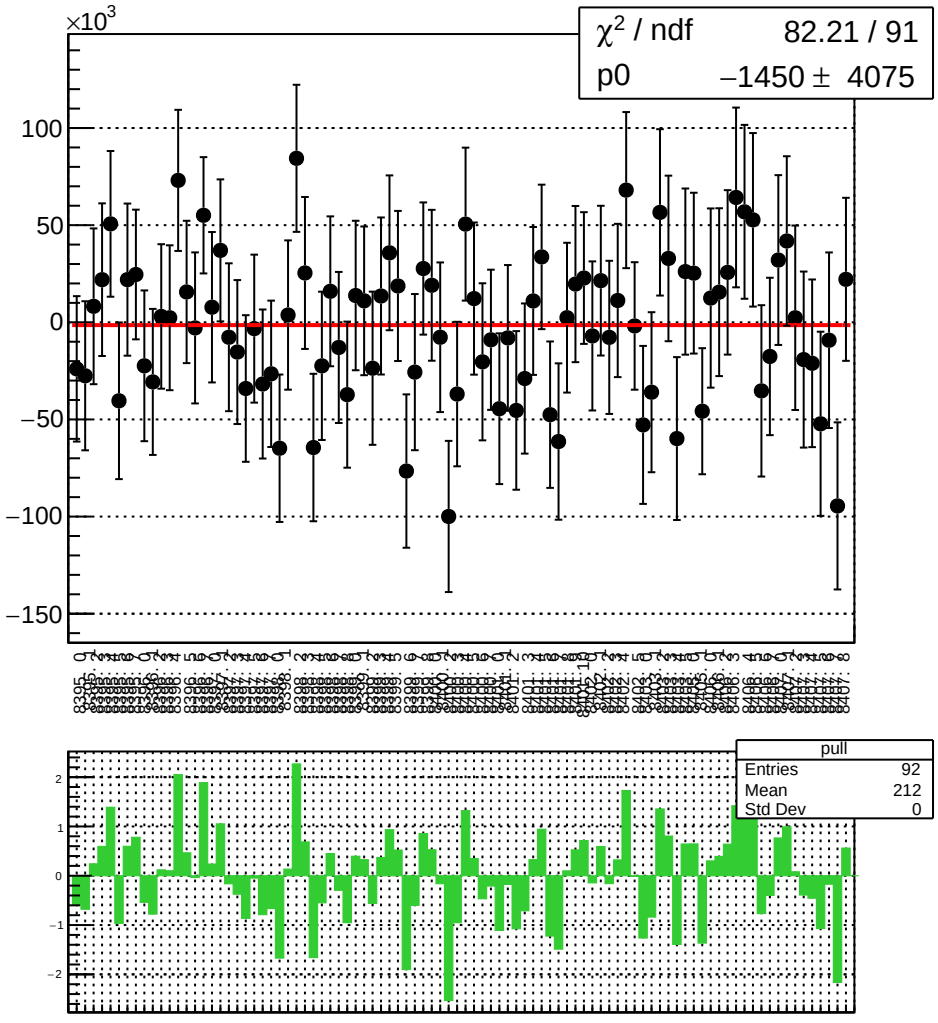

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 81.85 / 91
p0 −1470 ± 4075
100
50
0
−50
−100
−150
pull
Entries 92
Mean 167.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.004875
Std Dev 0.9432
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

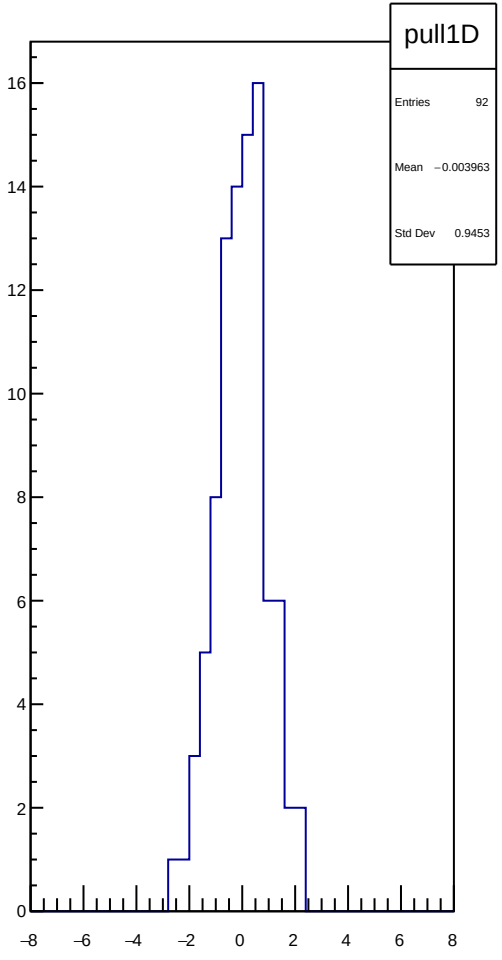

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7022 / 91
p0 3775 ± 2.882
4600
4400
4200
4000
3800
3600
3400

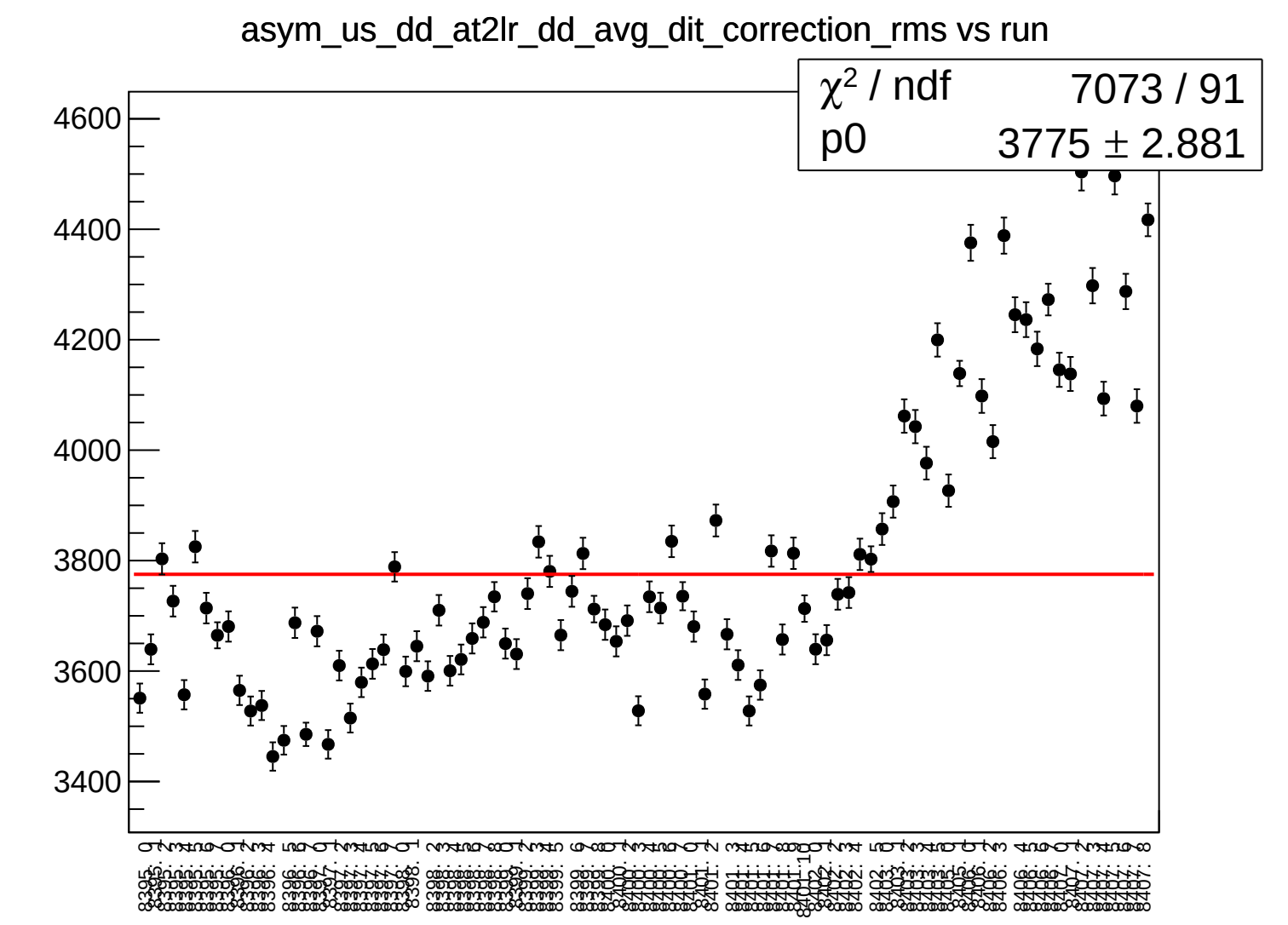

dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 92.61 / 91
p0 −1102 ± 2334
100
50
0
−50
−100
pull
Entries 92
Mean 1065
Std Dev 0
3
2
1
0
−1
−2

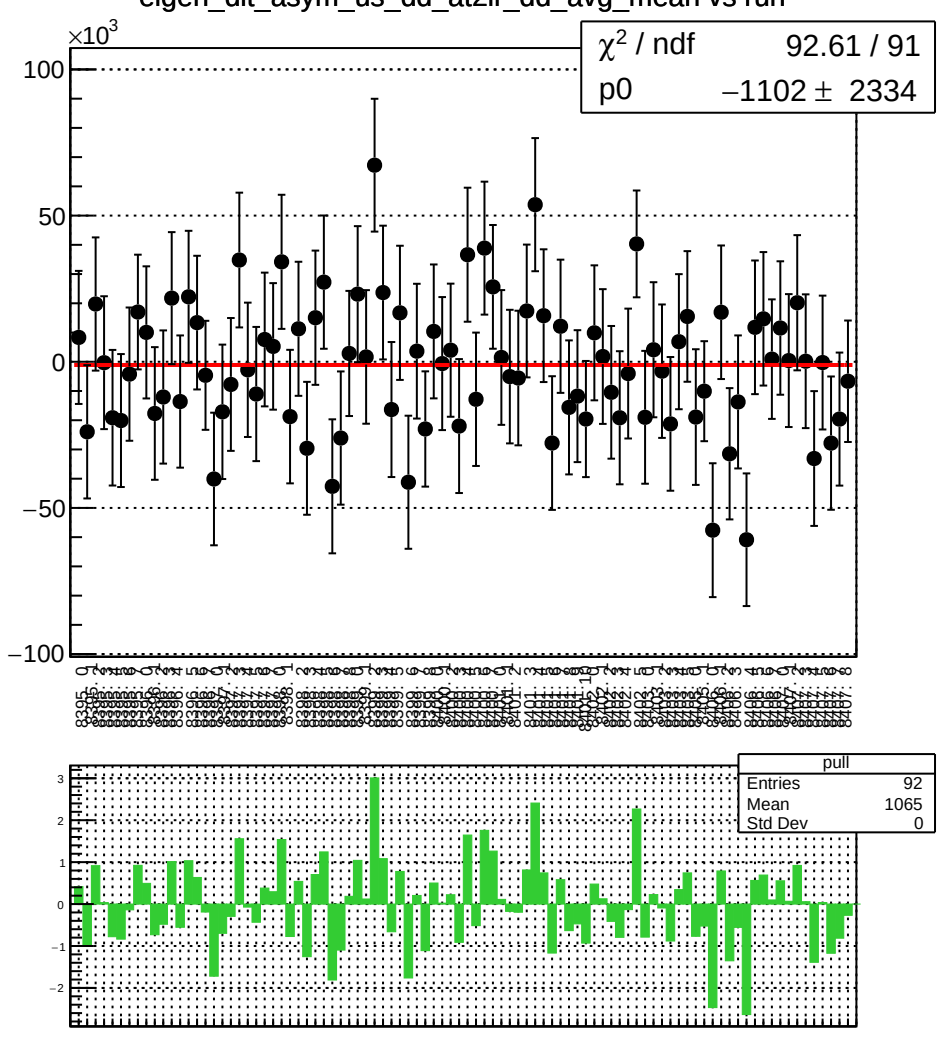

pull1D
Entries 92
Mean −0.00289
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

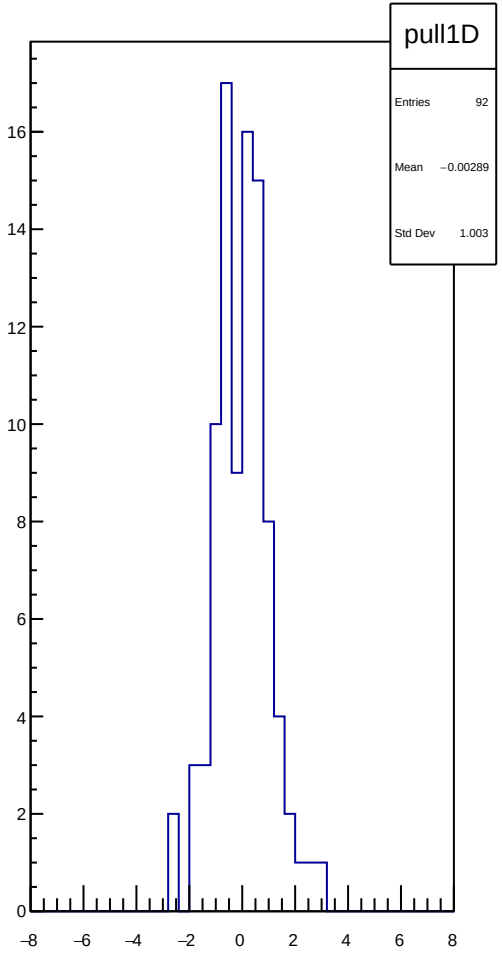

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 115.3 / 91
p0 2166 ± 1.65
2220
2200
2180
2160
2140
2120
2100
2080

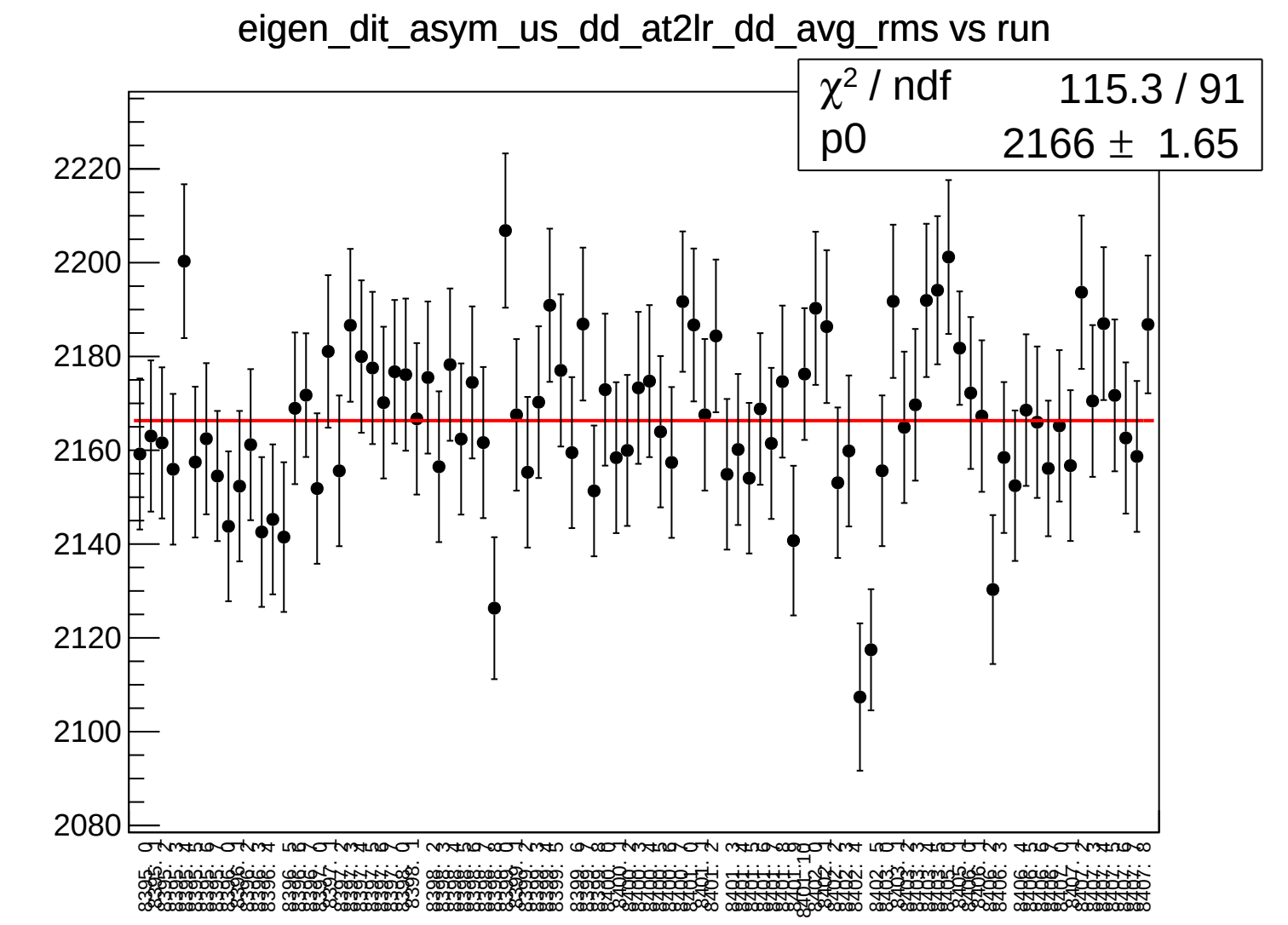

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 82.21 / 91
p0 −1450 ± 4075
100
50
0
−50
−100
−150
pull
Entries 92
Mean 212
Std Dev 0
2
1
0
−1
−2

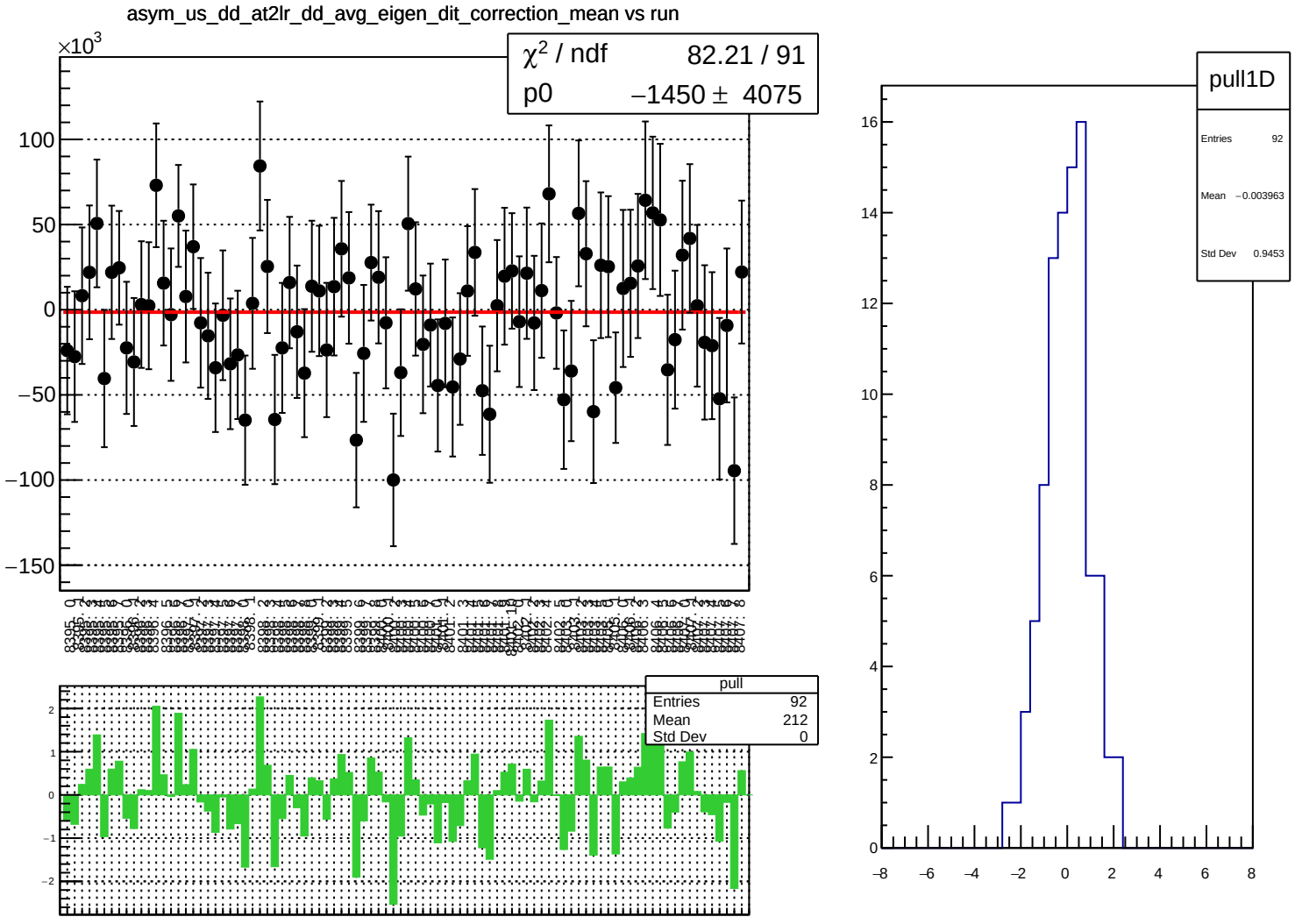

pull1D
Entries 92
Mean −0.003963
Std Dev 0.9453
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

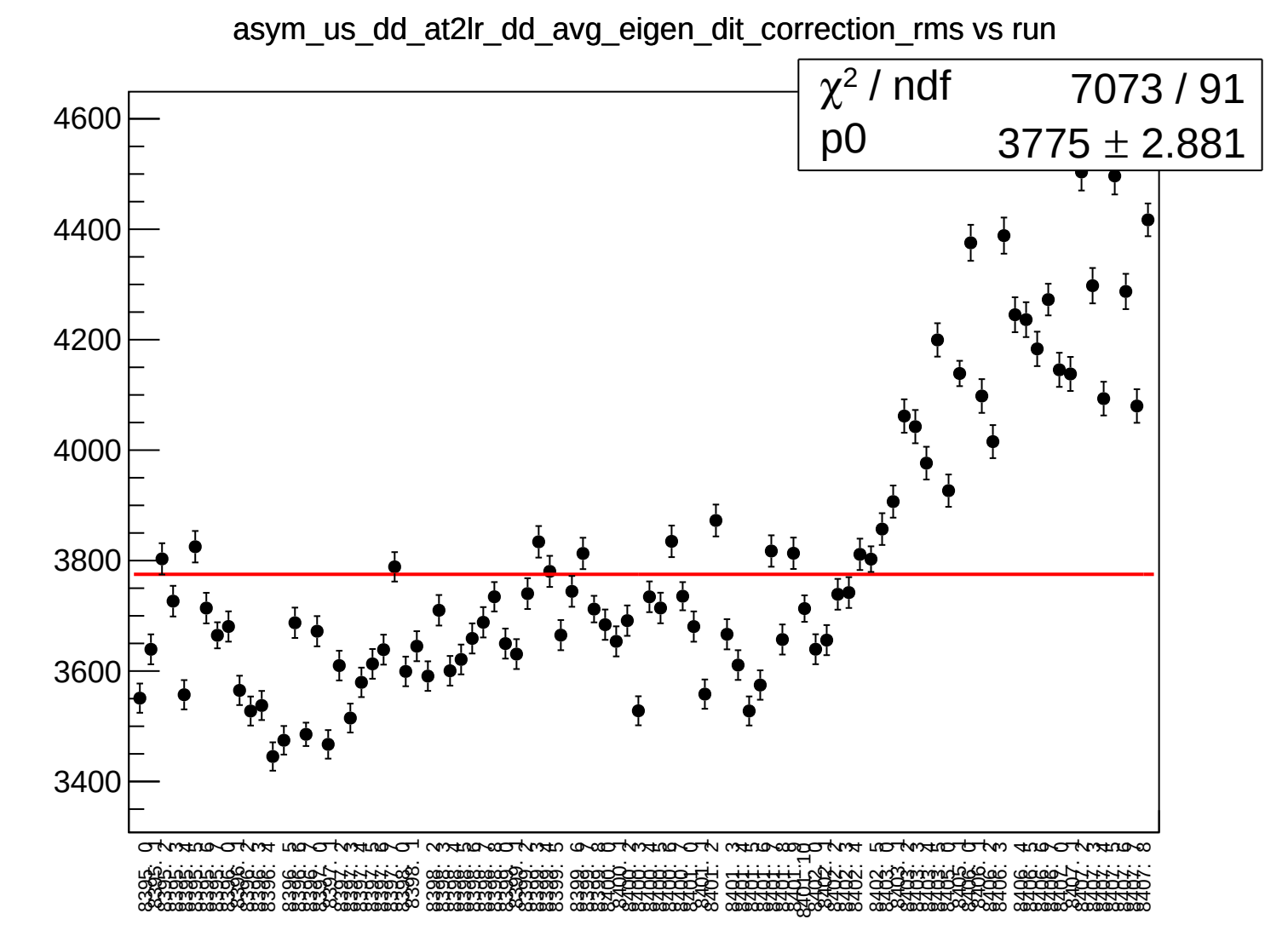

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 7073 / 91
p0 3775 ± 2.881
4600
4400
4200
4000
3800
3600
3400

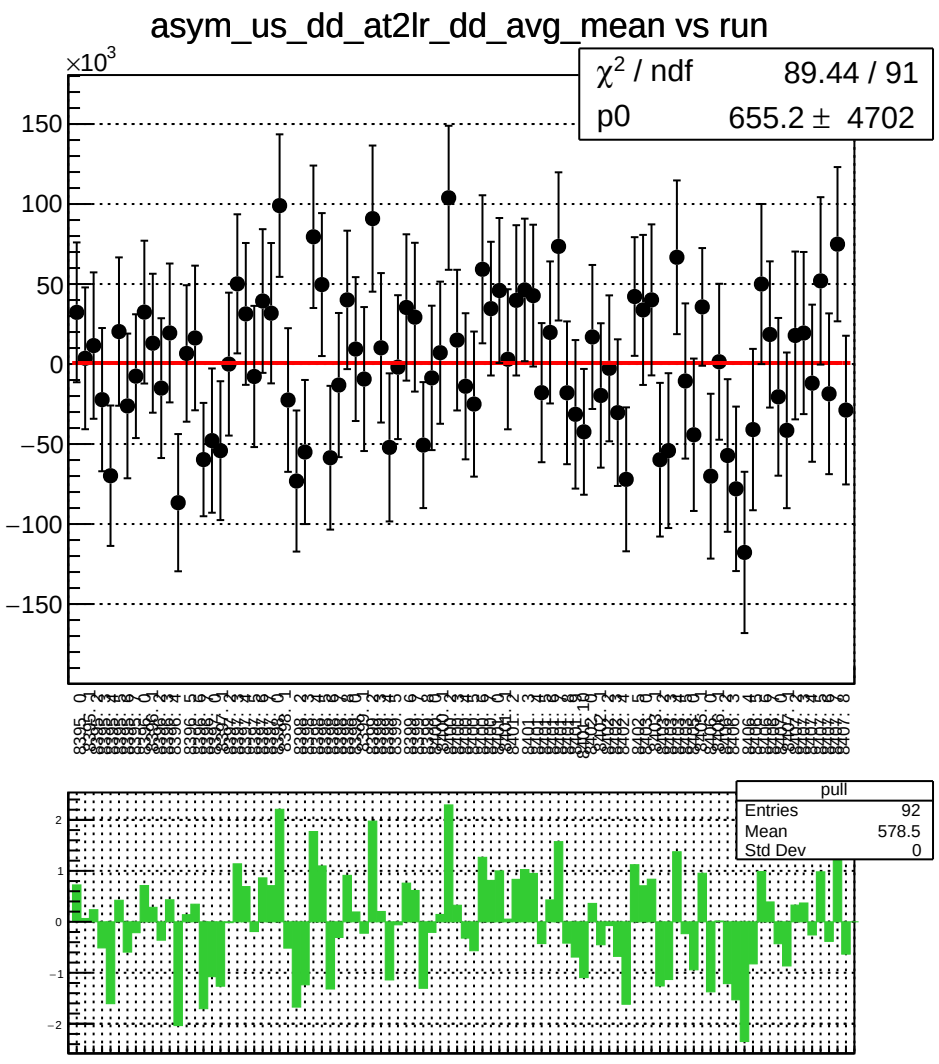

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 92.61 / 91
p0 −1102 ± 2334
100
50
0
−50
−100
pull
Entries 92
Mean 1065
Std Dev 0

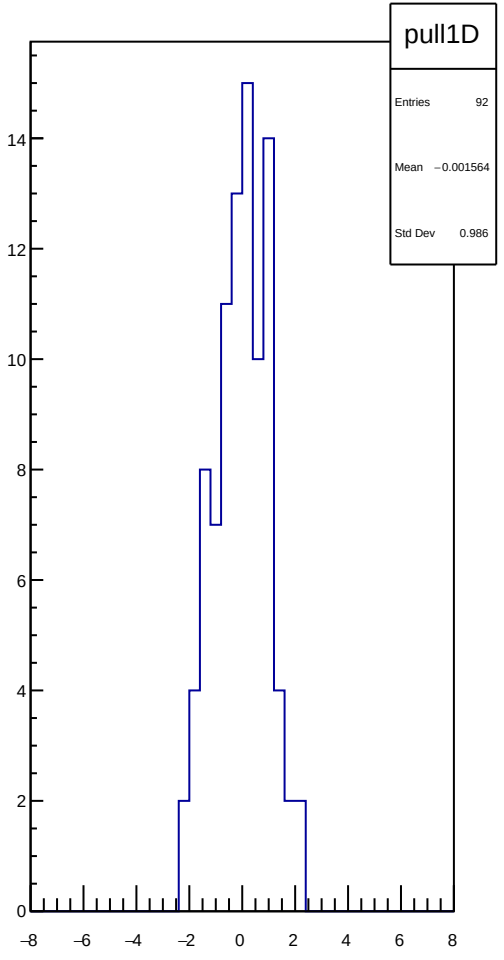

pull1D
Entries 92
Mean −0.00289
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

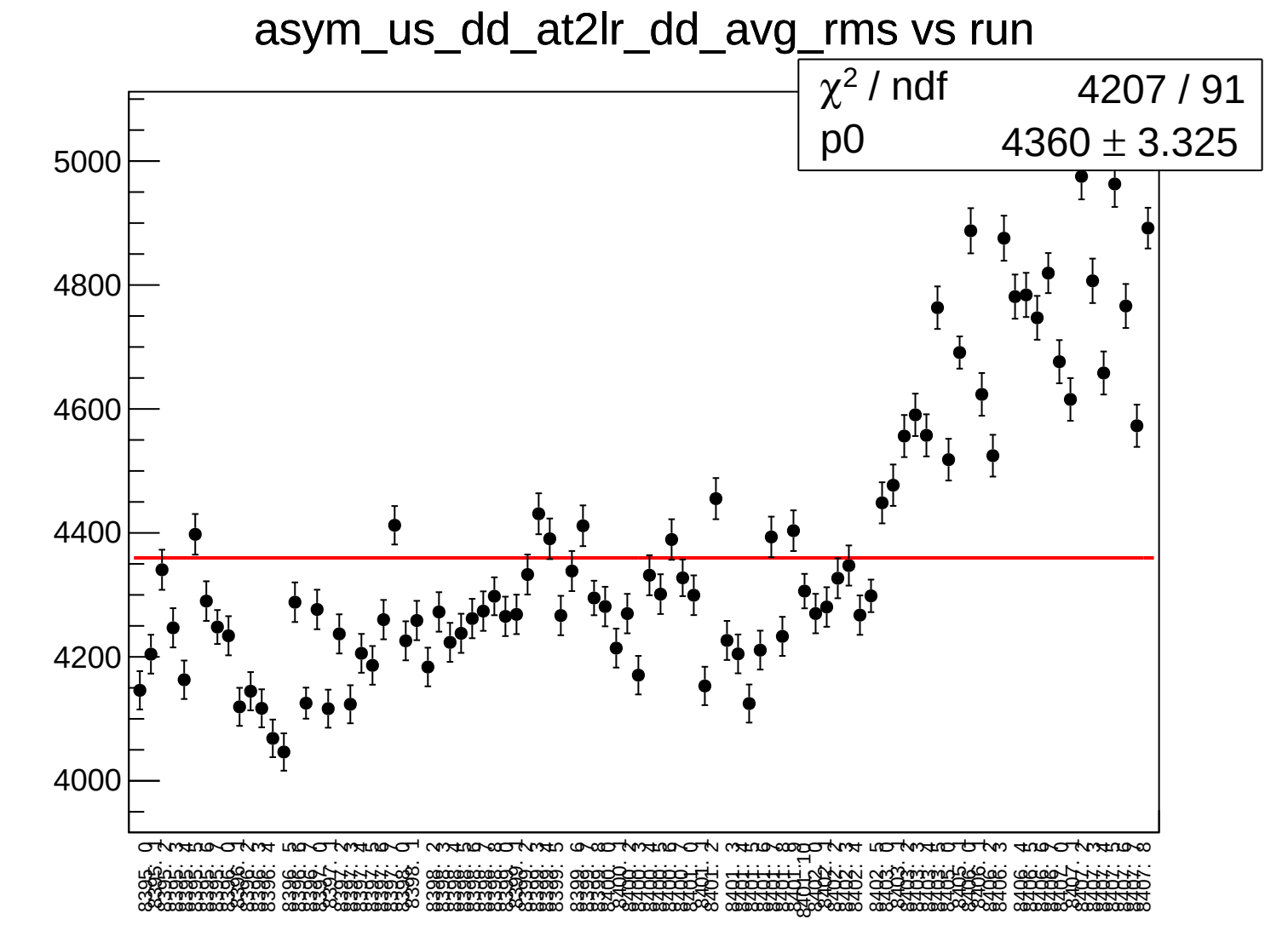

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 115.3 / 91
p0 2166 ± 1.65
2220
2200
2180
2160
2140
2120
2100
2080

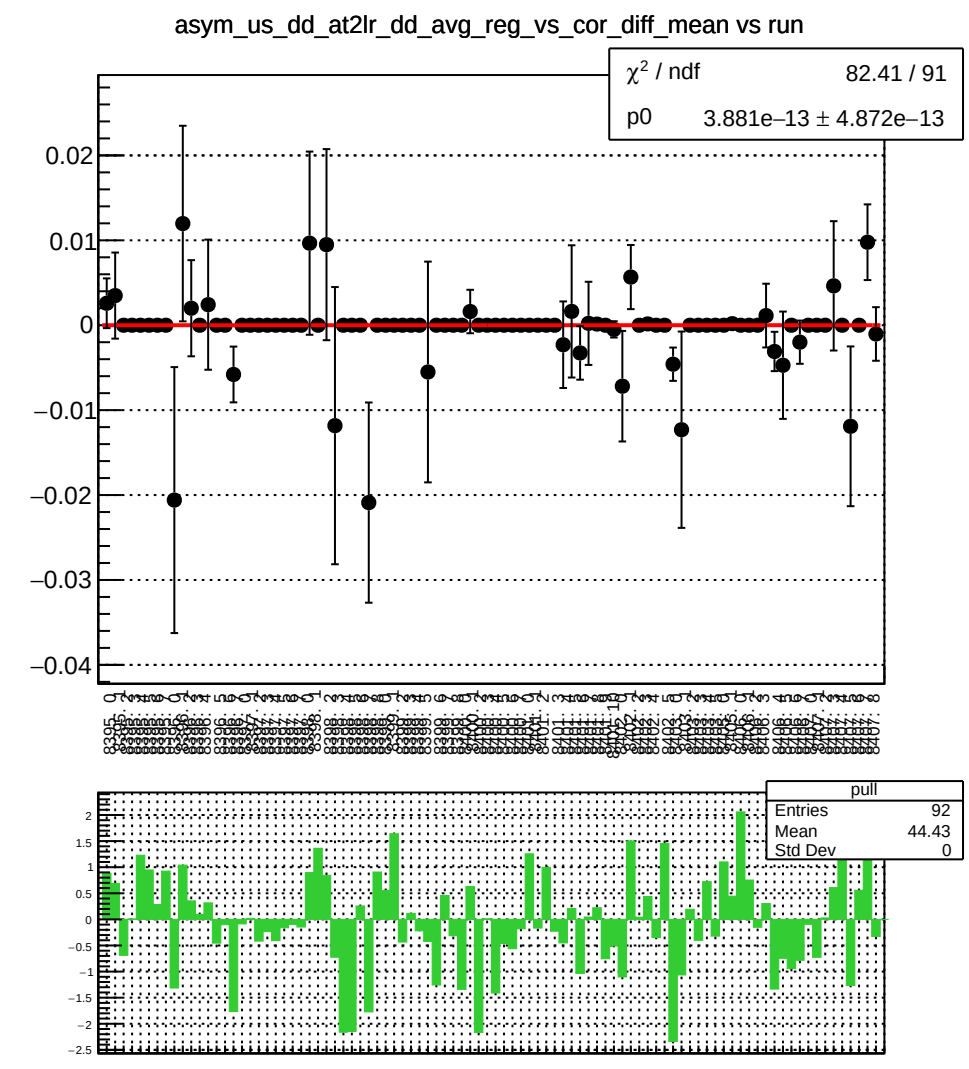

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 82.21 / 91
p0 −1450 ± 4075
100
50
0
−50
−100
−150
pull
Entries 92
Mean 212
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003963
Std Dev 0.9453
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

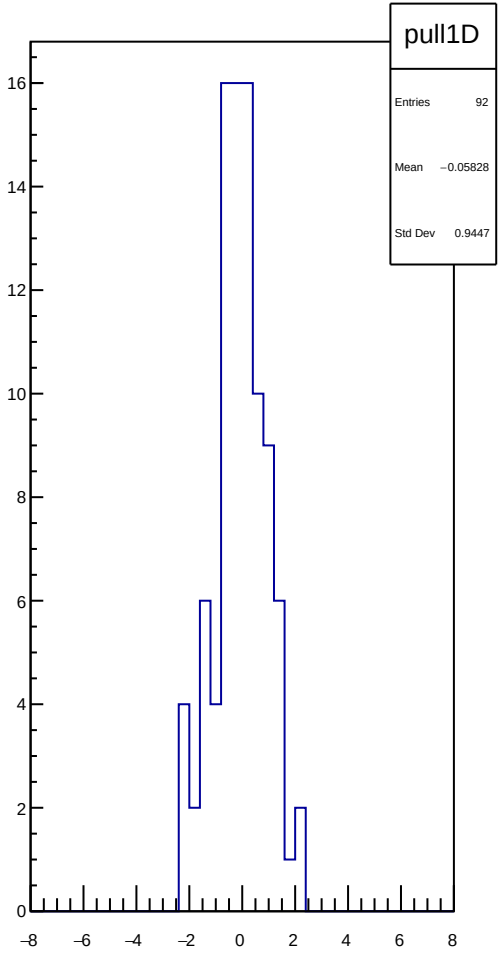

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7073 / 91
p0 3775 ± 2.881
4600
4400
4200
4000
3800
3600
3400

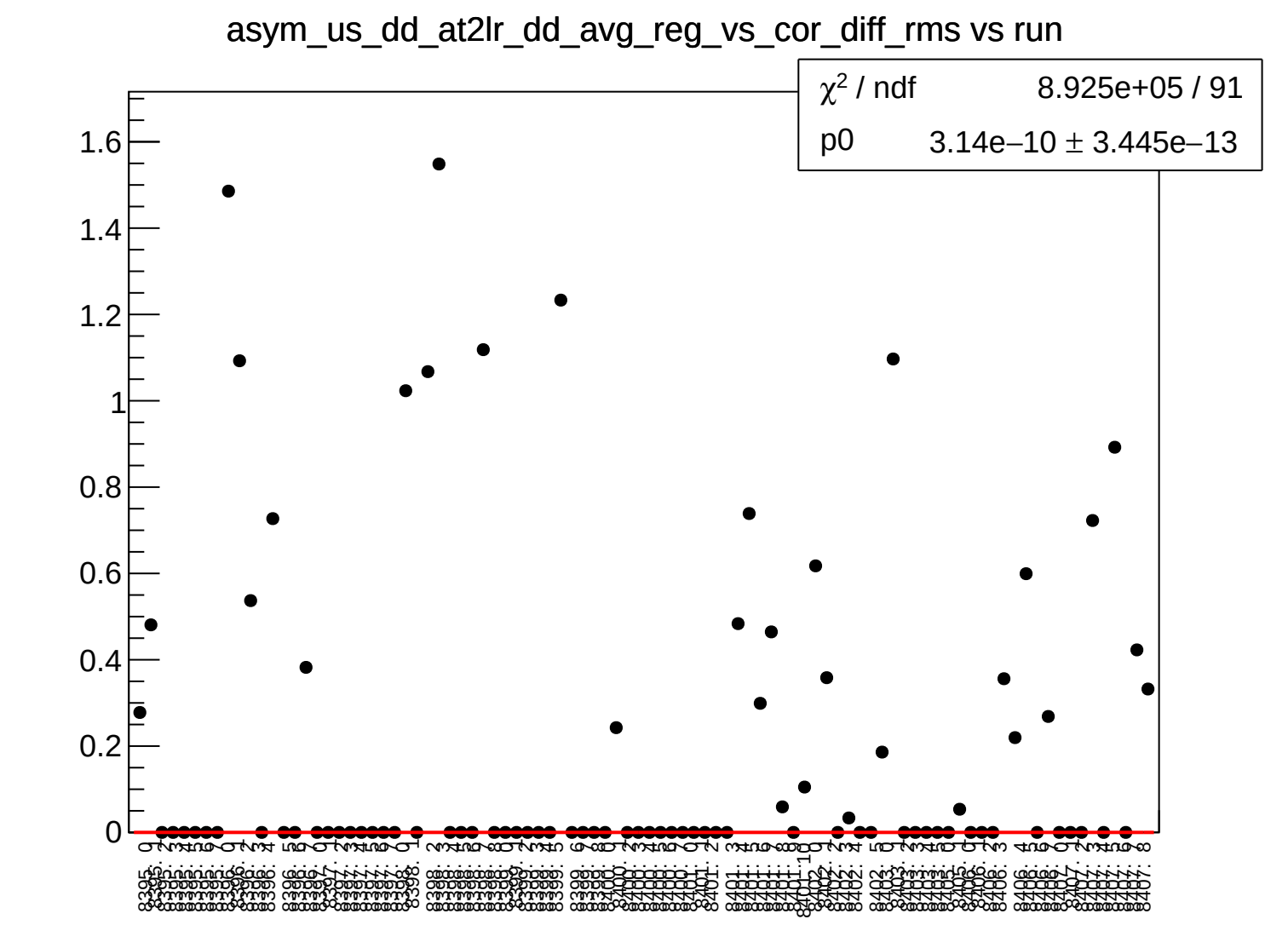

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 89.44 / 91
p0 655.2 ± 4702
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 578.5
Std Dev 0
2
1
0
−1
−2

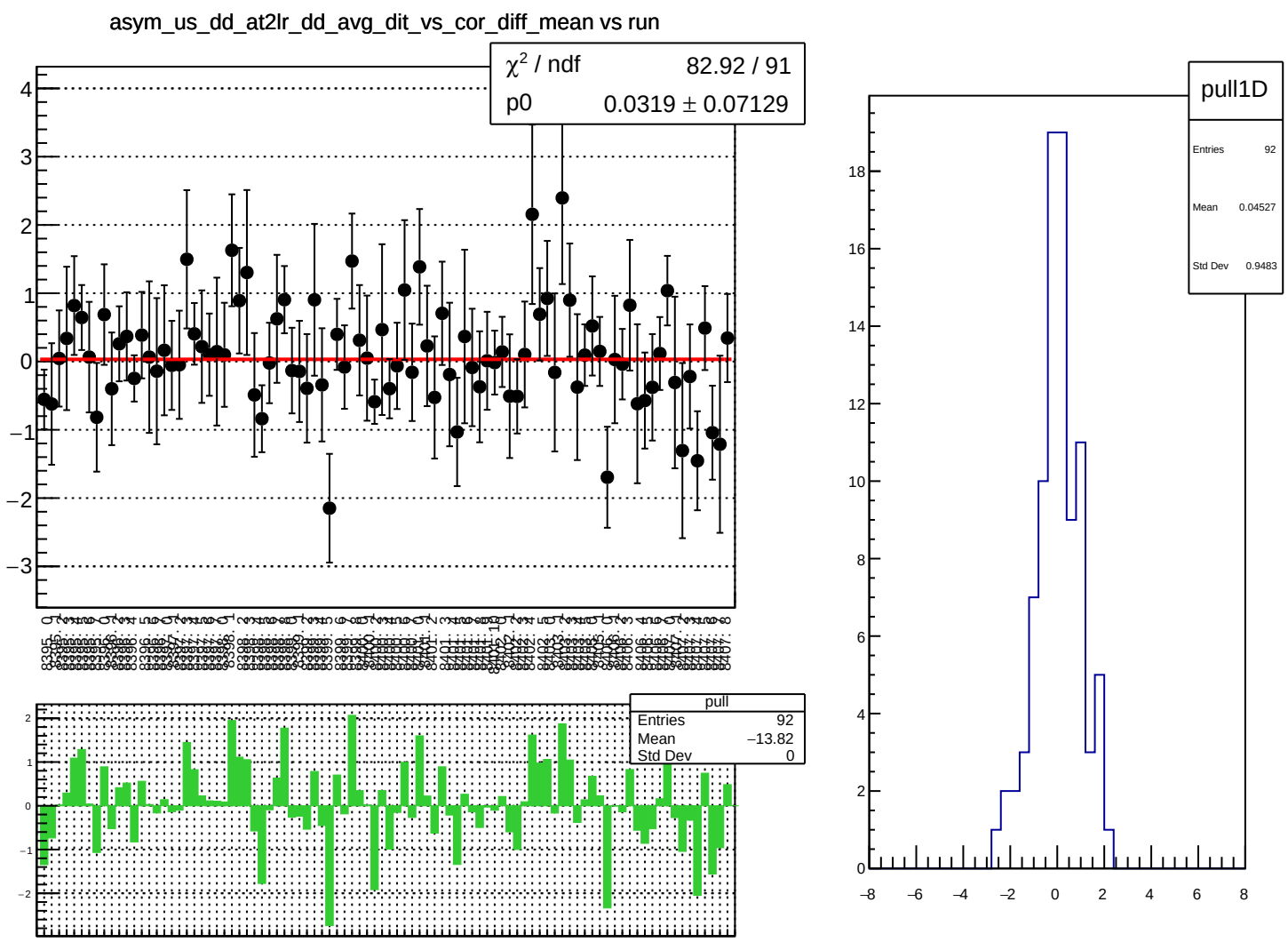

pull1D
Entries 92
Mean −0.001564
Std Dev 0.986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

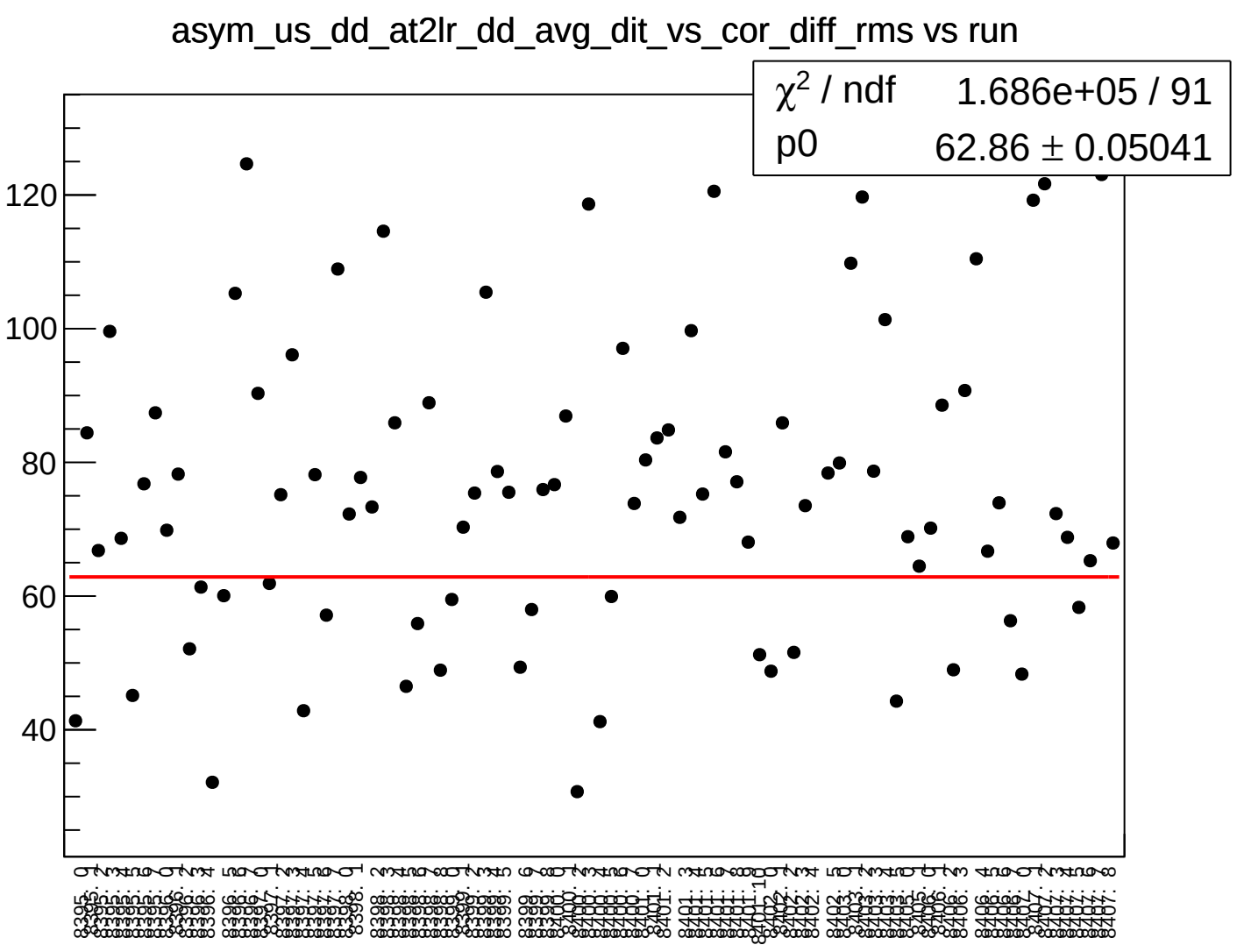

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 4207 / 91
p0 4360 ± 3.325
5000
4800
4600
4400
4200
4000

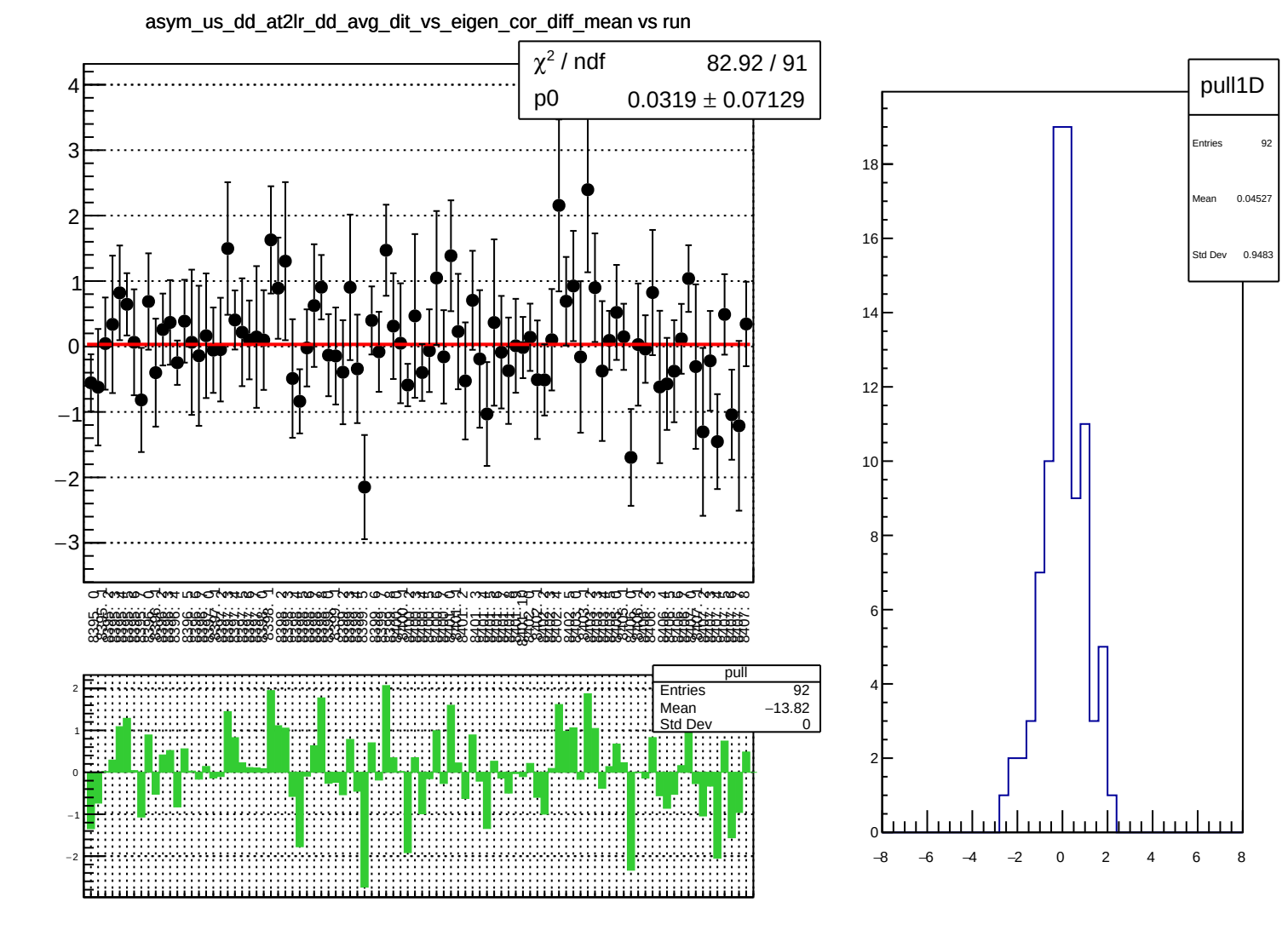

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.41 / 91
p0 3.881e−13 ± 4.872e−13
pull
Entries 92
Mean 44.43
Std Dev 0

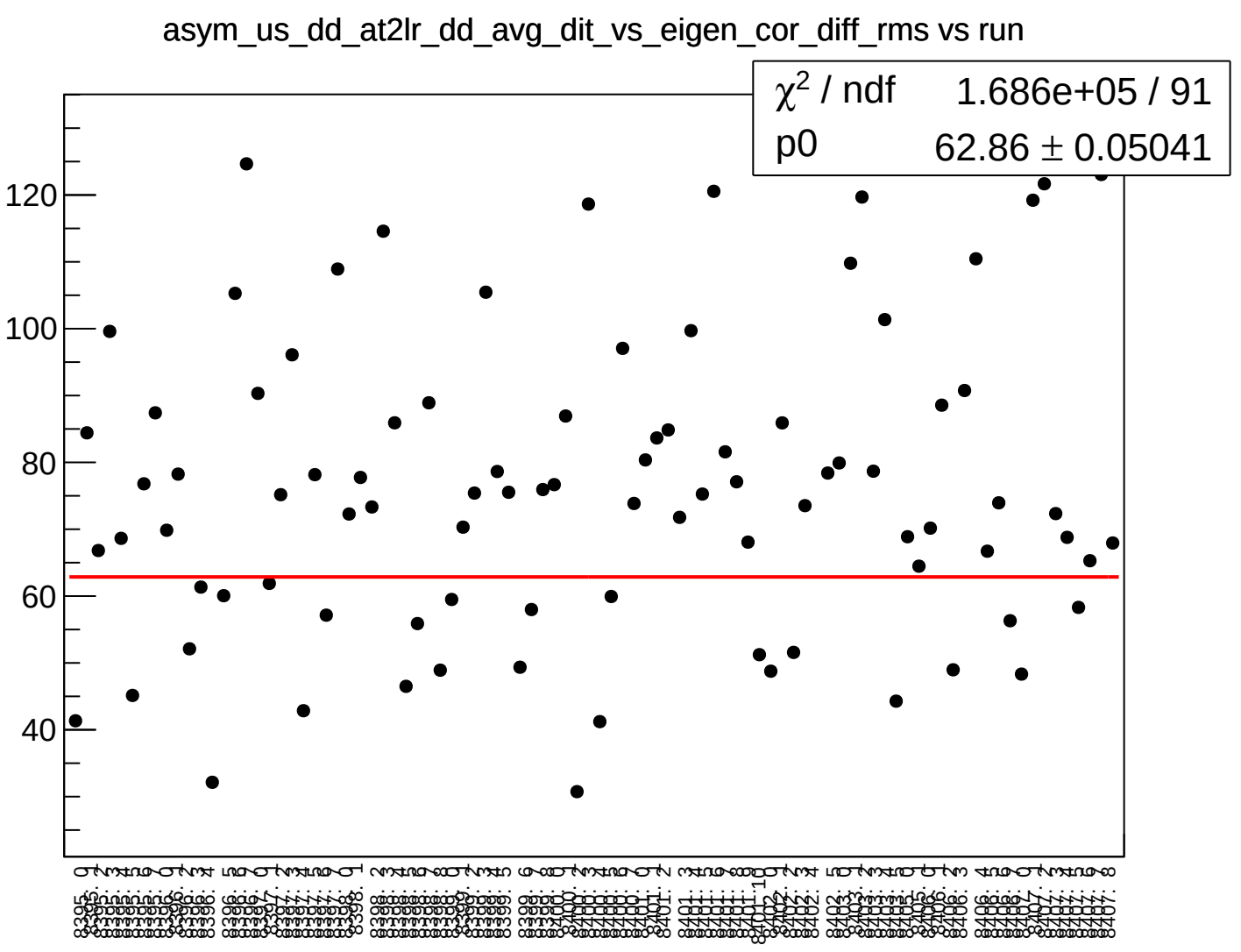

pull1D
Entries 92
Mean −0.05828
Std Dev 0.9447

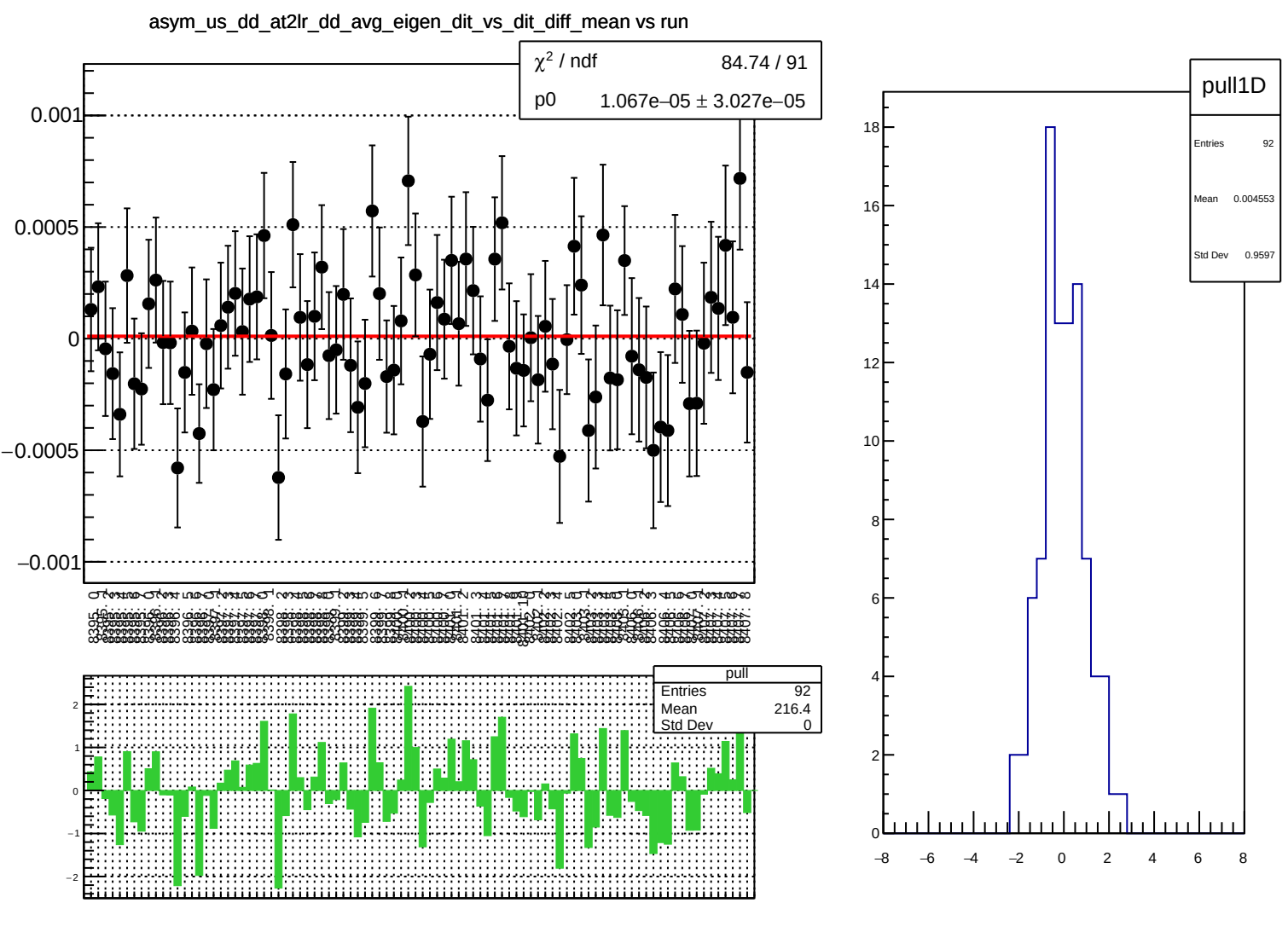

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.925e+05 / 91
p0 3.14e−10 ± 3.445e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

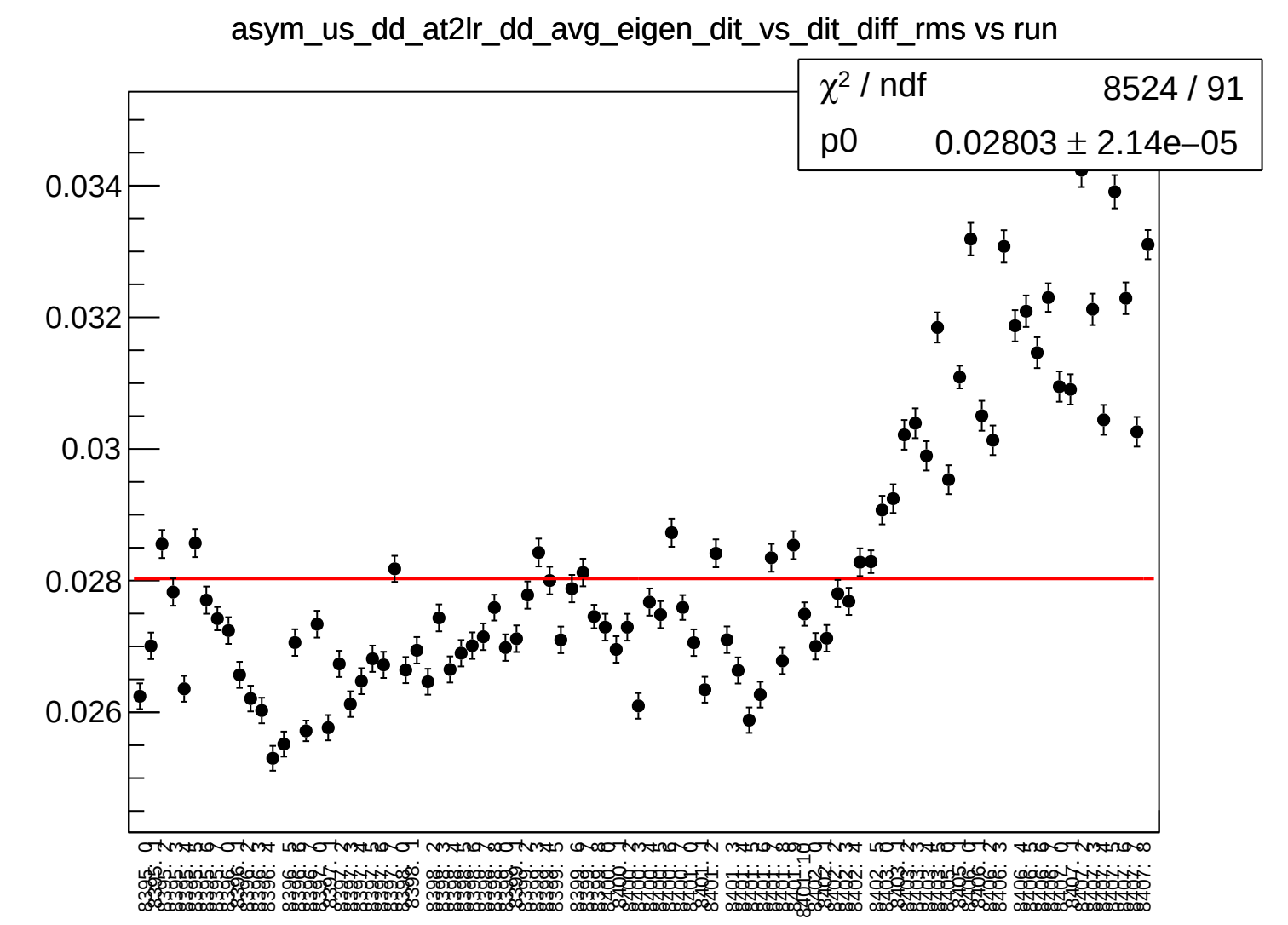

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.92 / 91
p0 0.0319 ± 0.07129
pull
Entries 92
Mean −13.82
Std Dev 0
pull1D
Entries 92
Mean 0.04527
Std Dev 0.9483

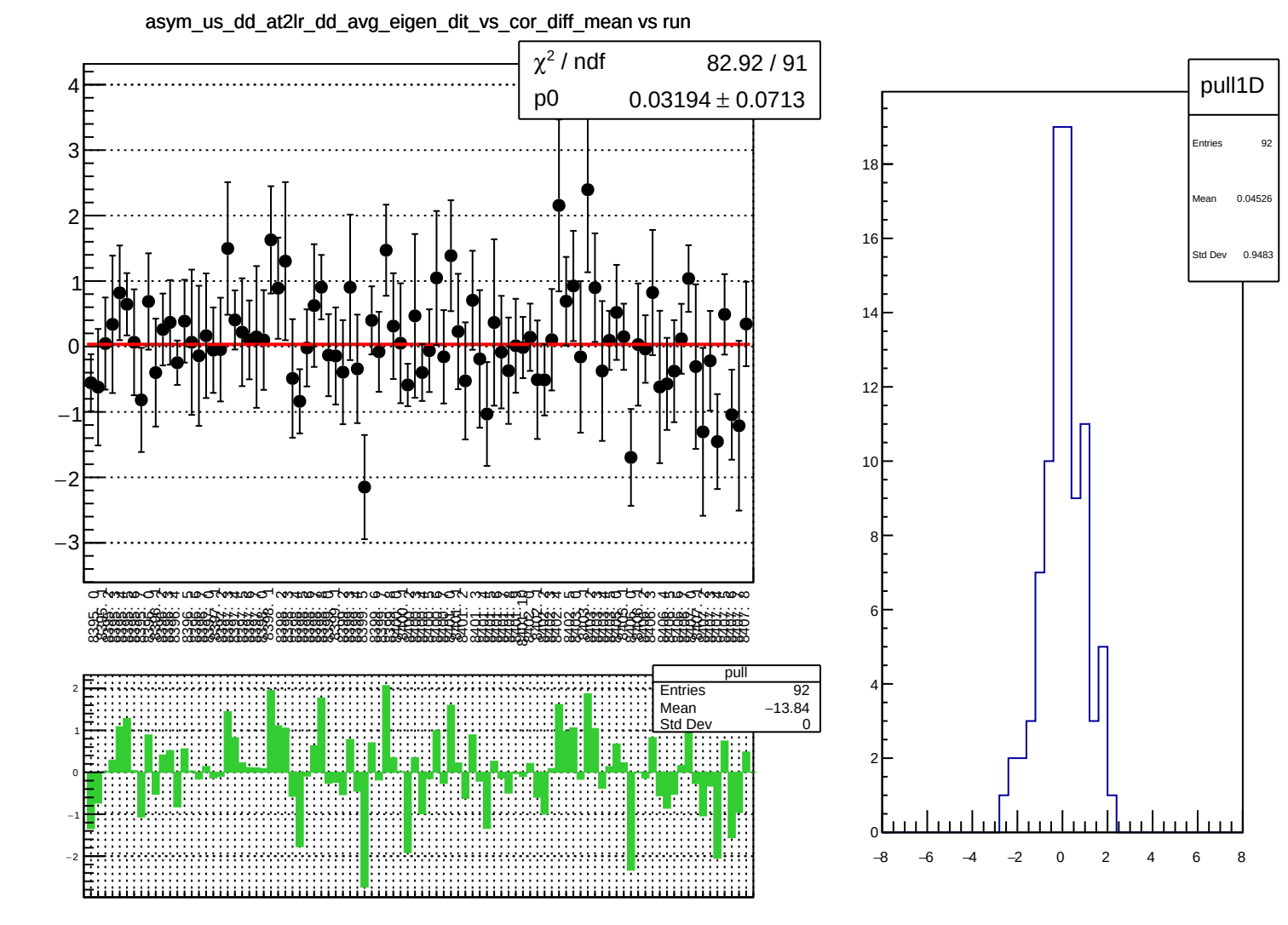

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 1.686e+05 / 91
p0 62.86 ± 0.05041
120
100
80
60
40

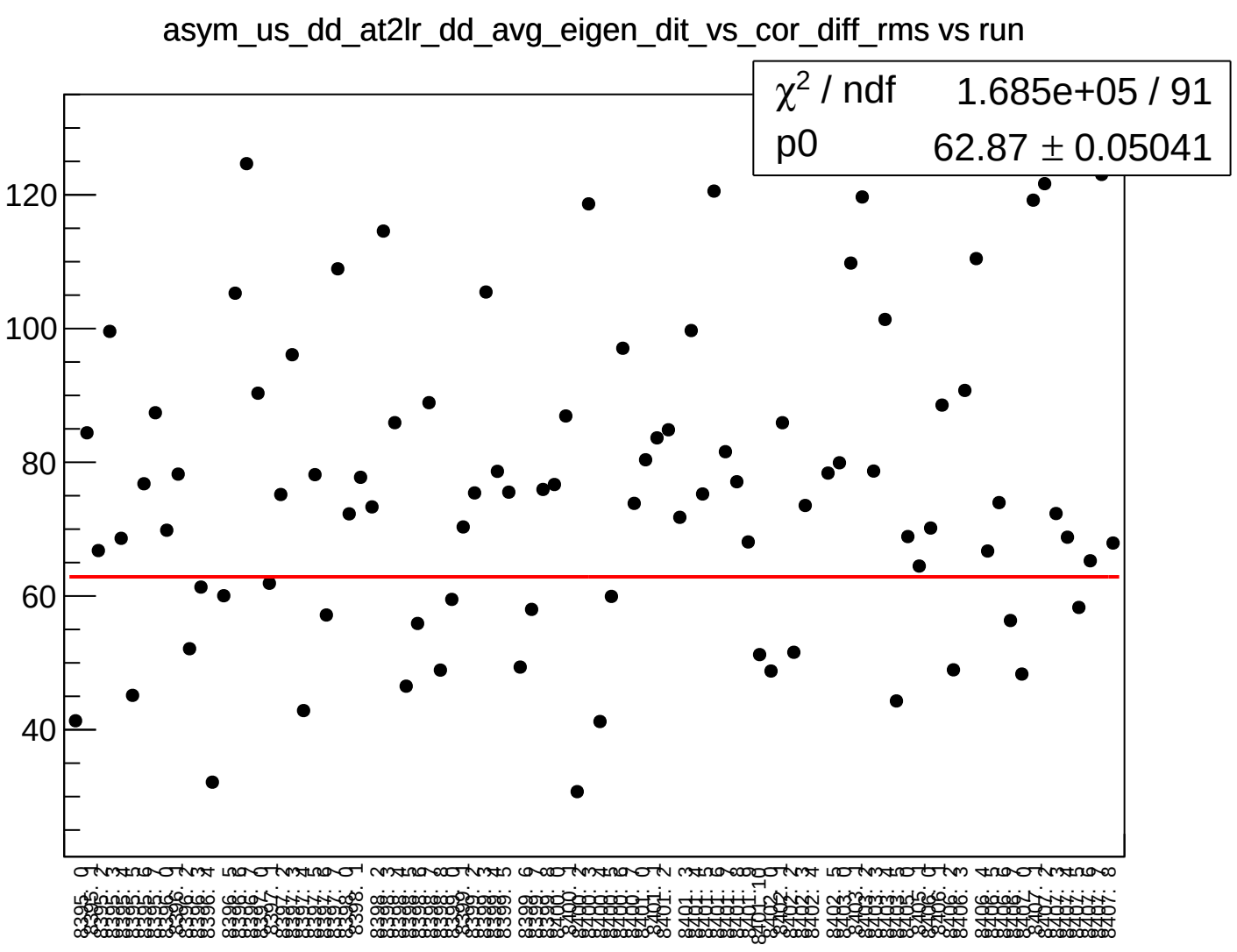

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.92 / 91
p0 0.0319 ± 0.07129
pull
Entries 92
Mean −13.82
Std Dev 0
pull1D
Entries 92
Mean 0.04527
Std Dev 0.9483

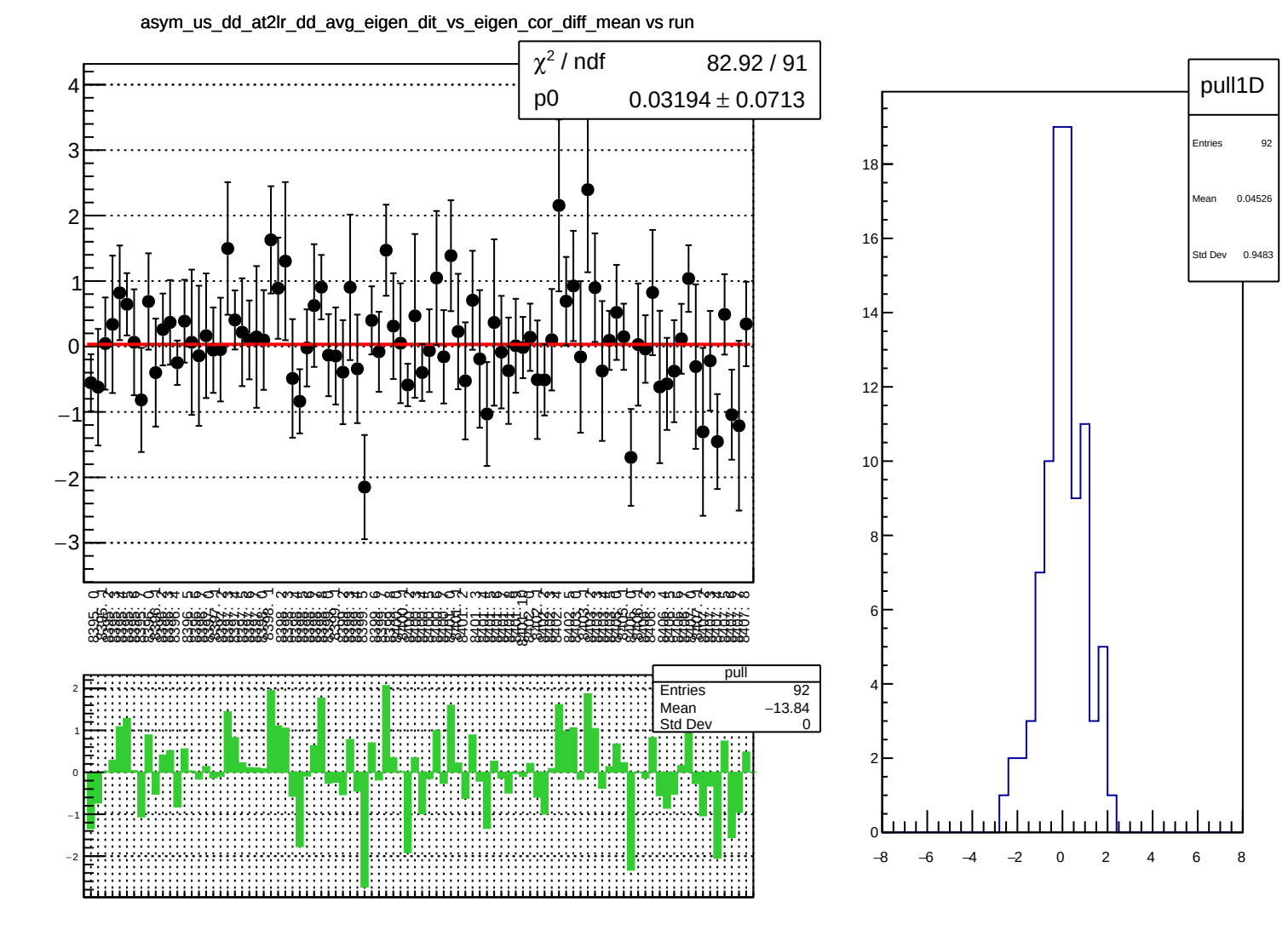

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.686e+05 / 91
p0 62.86 ± 0.05041
120
100
80
60
40

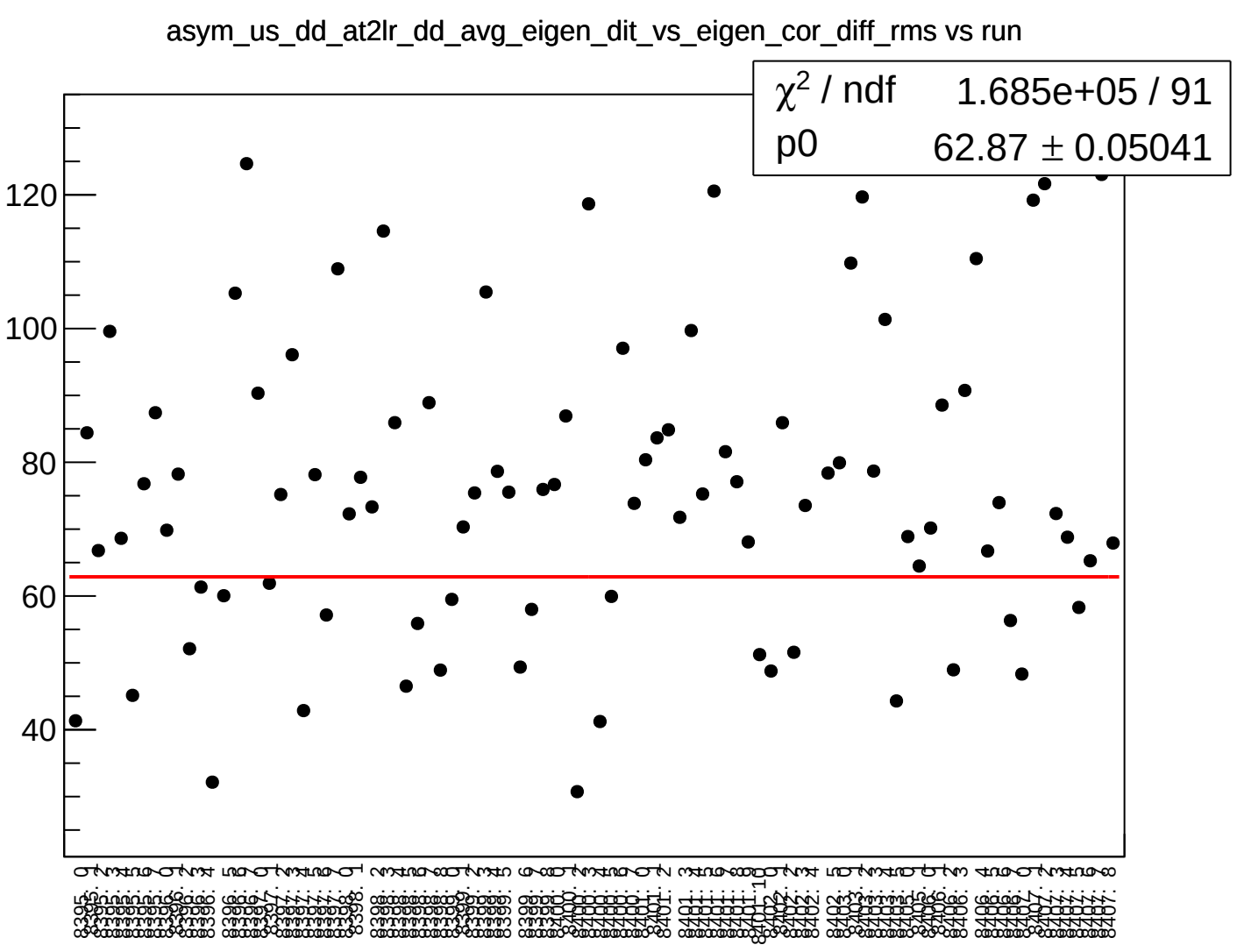

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 84.74 / 91
p0 1.067e−05 ± 3.027e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 216.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.004553
Std Dev 0.9597
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

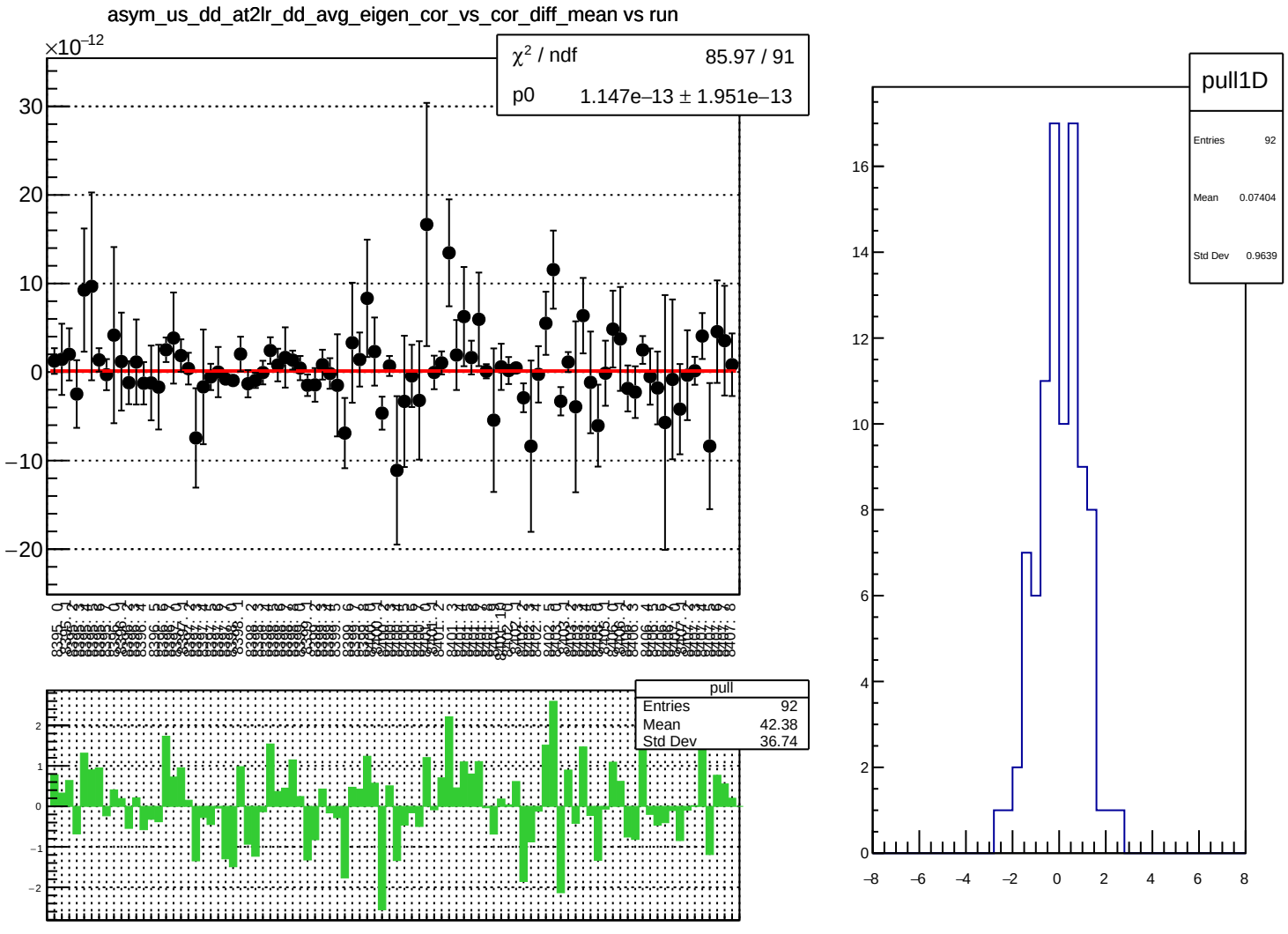

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8524 / 91
p0 0.02803 ± 2.14e−05
0.034
0.032
0.03
0.028
0.026

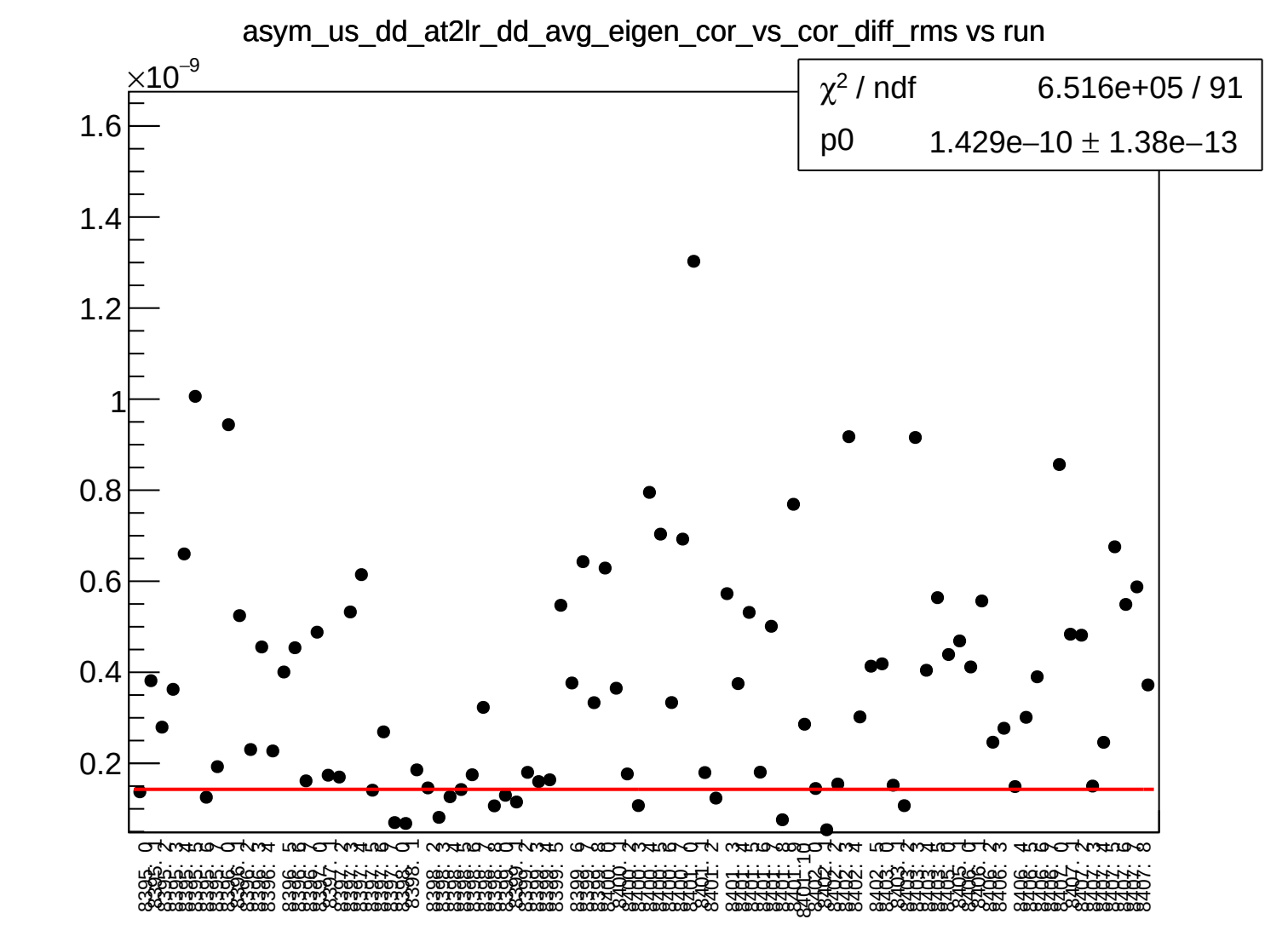

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.92 / 91
p0 0.03194 ± 0.0713
pull
Entries 92
Mean −13.84
Std Dev 0
pull1D
Entries 92
Mean 0.04526
Std Dev 0.9483

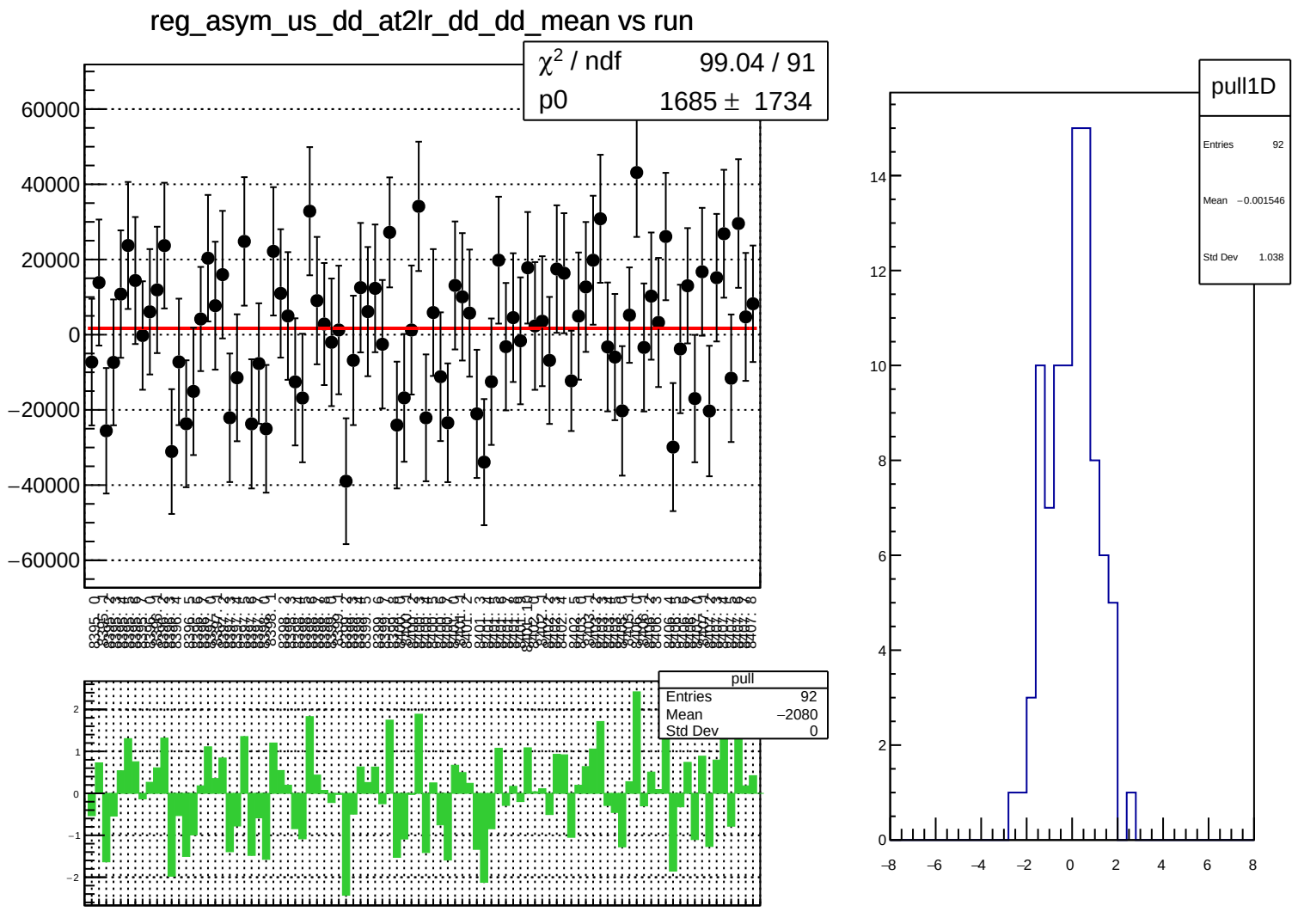

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.685e+05 / 91
p0 62.87 ± 0.05041
120
100
80
60
40

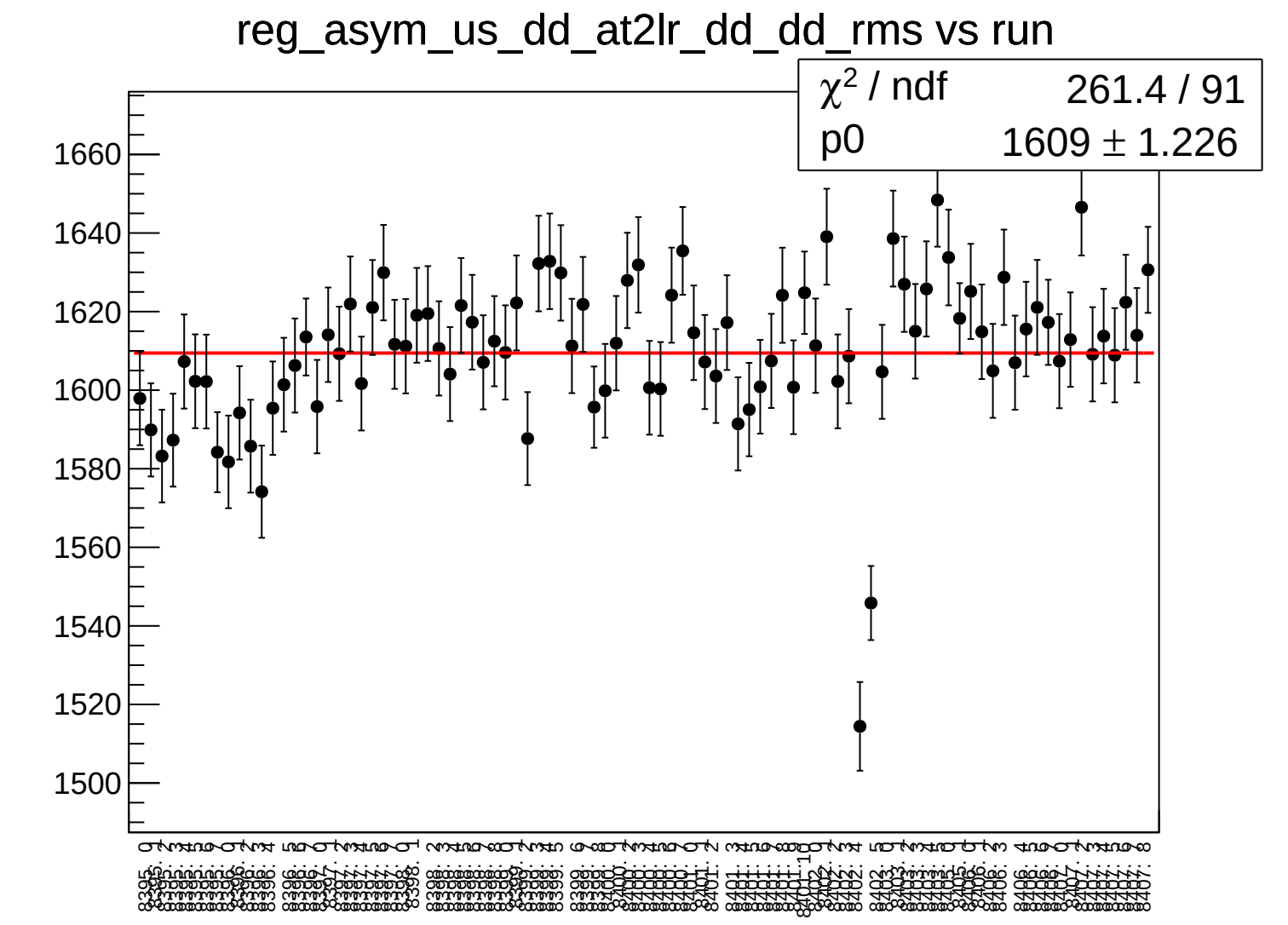

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.92 / 91
p0 0.03194 ± 0.0713
pull
Entries 92
Mean −13.84
Std Dev 0
pull1D
Entries 92
Mean 0.04526
Std Dev 0.9483

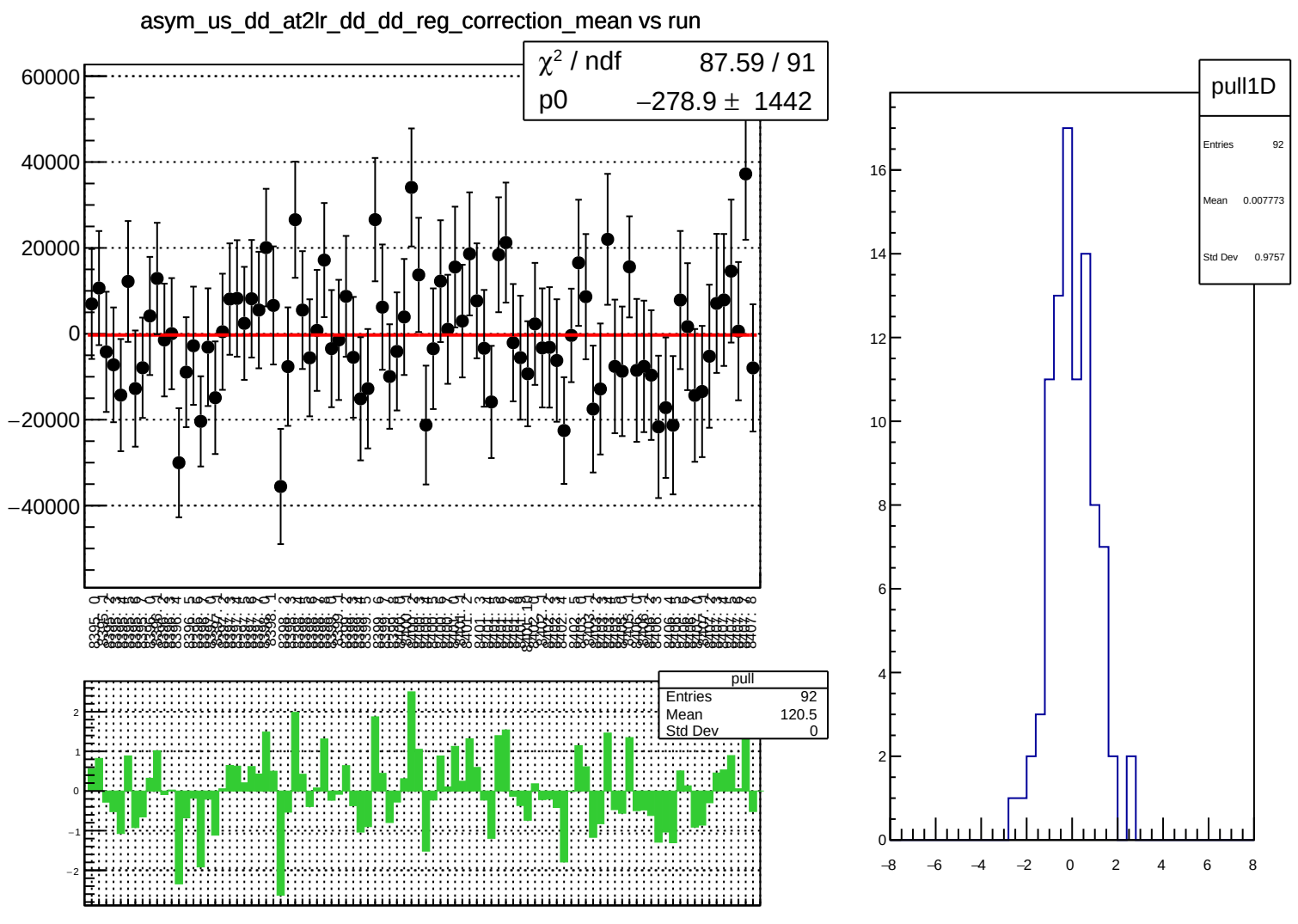

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 1.685e+05 / 91
p0 62.87 ± 0.05041
120
100
80
60
40

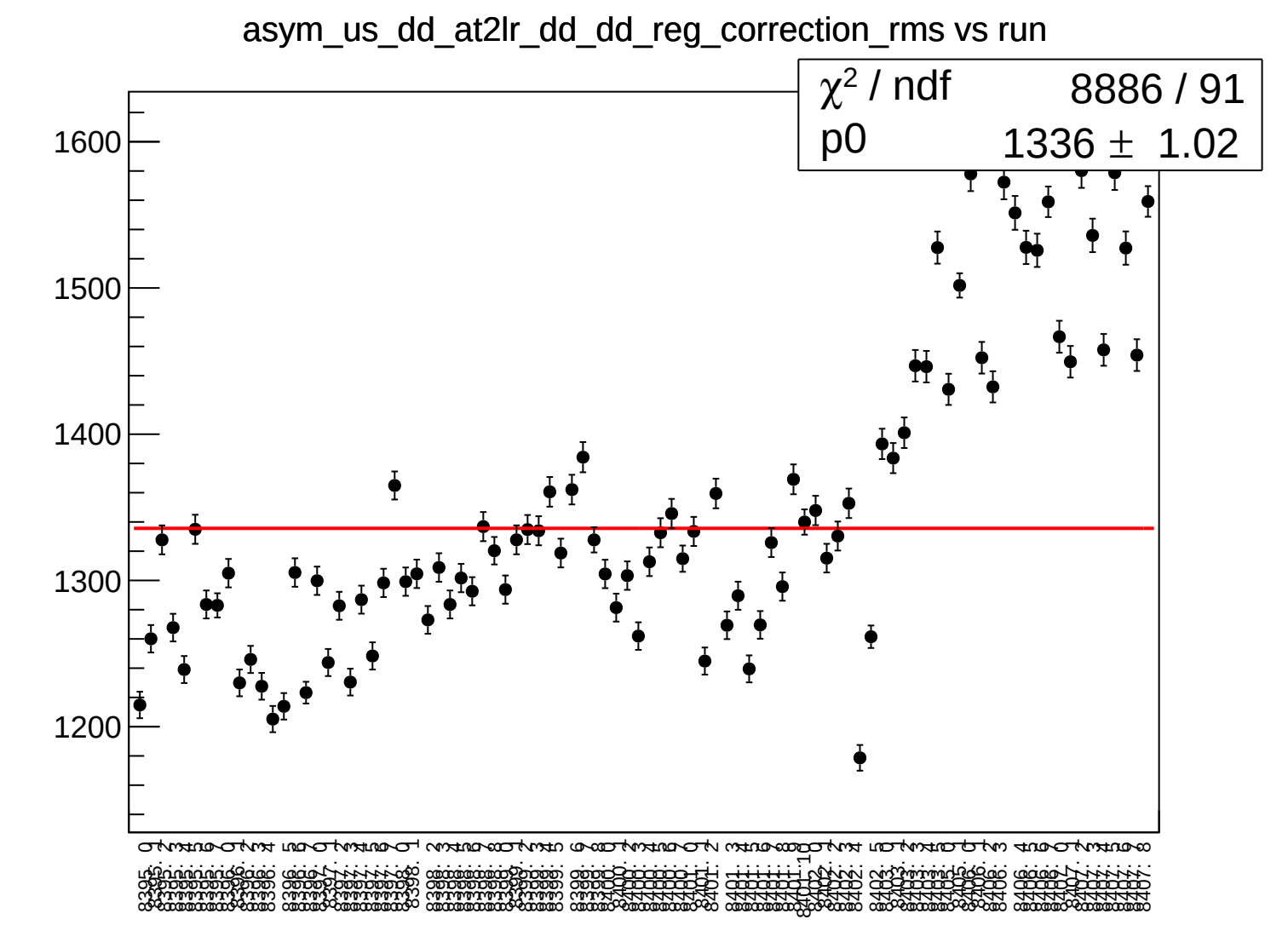

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.97 / 91
p0 1.147e−13 ± 1.951e−13
pull
Entries 92
Mean 42.38
Std Dev 36.74
pull1D
Entries 92
Mean 0.07404
Std Dev 0.9639

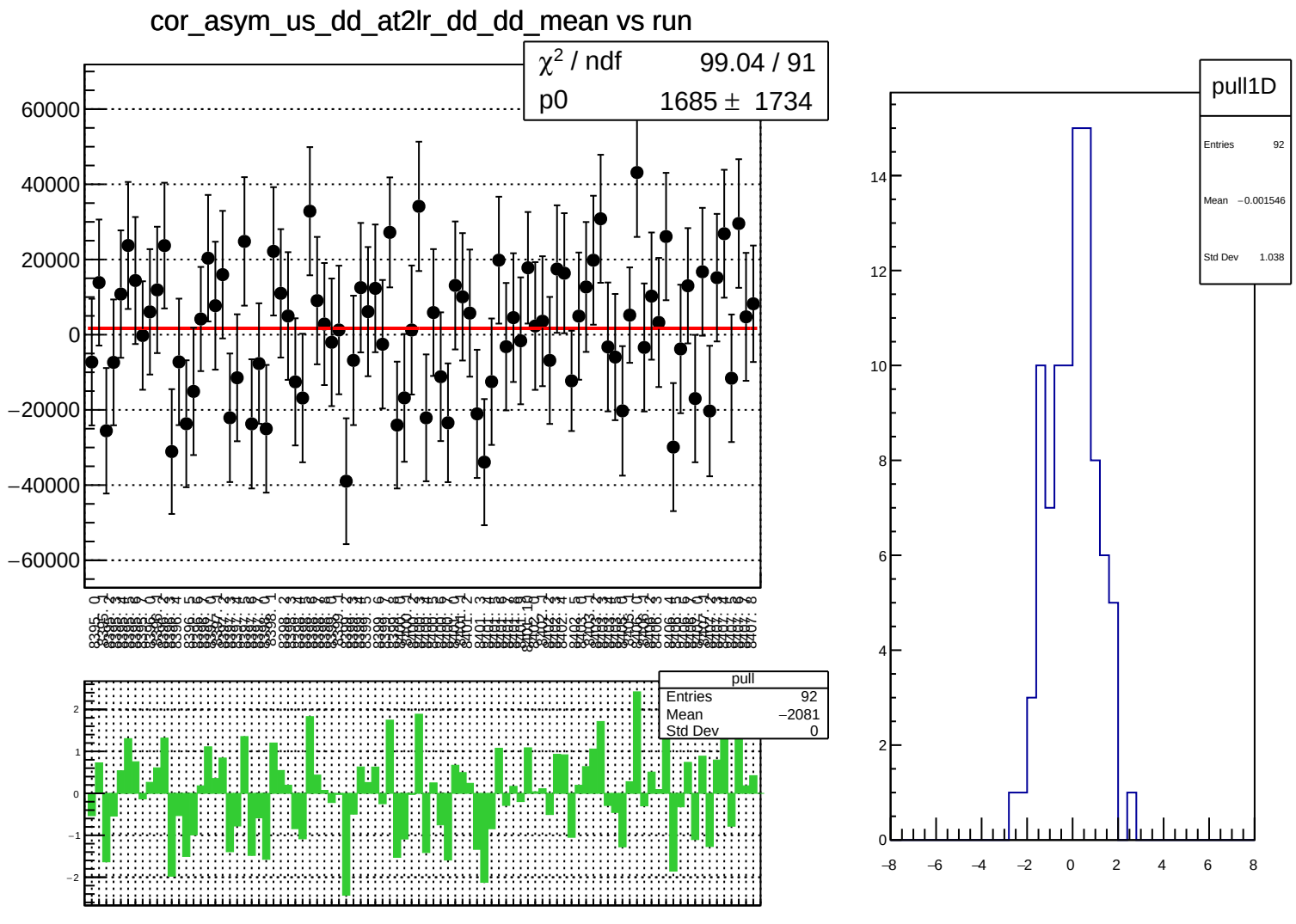

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.516e+05 / 91
p0 1.429e−10 ± 1.38e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

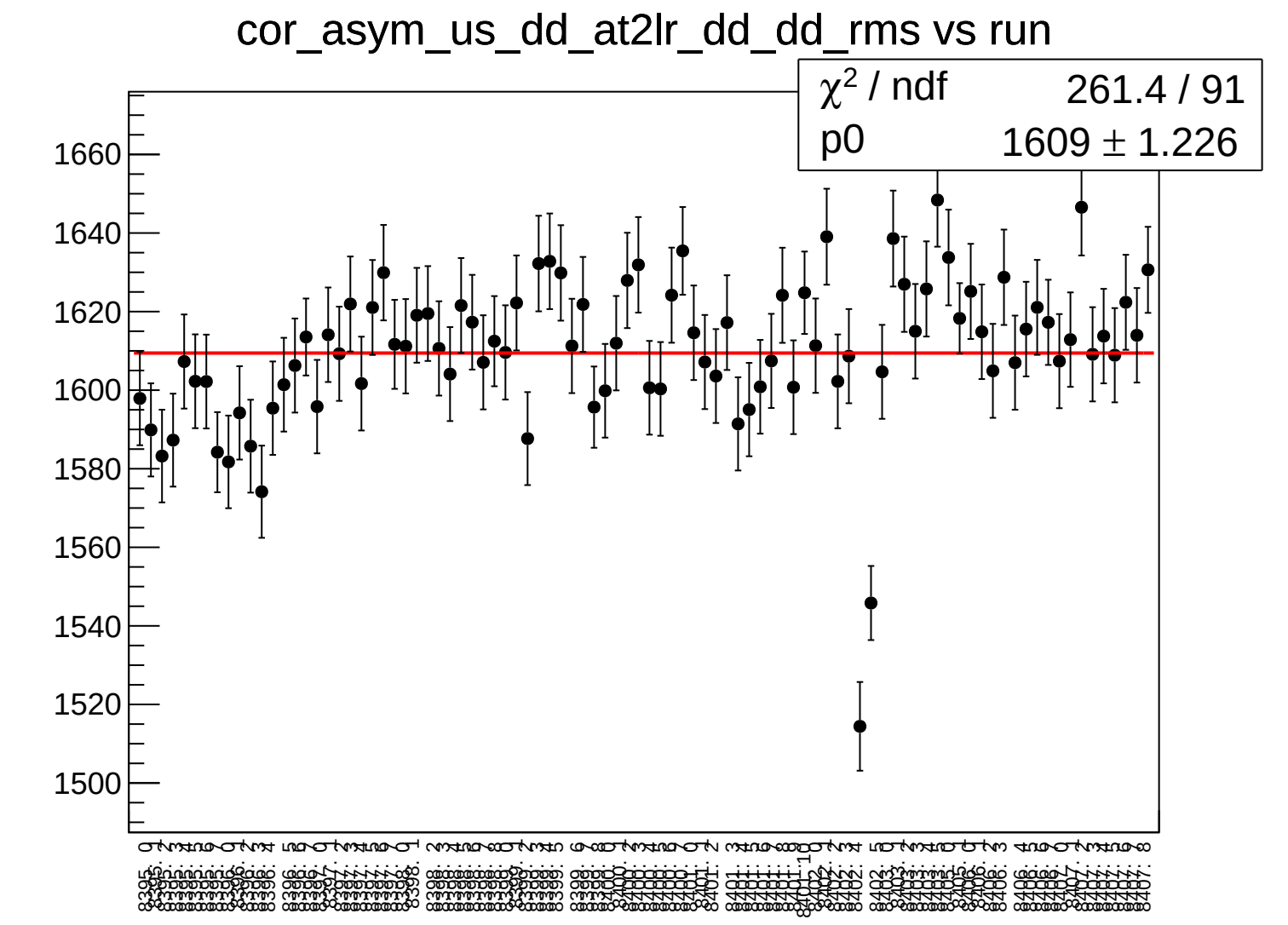

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 99.04 / 91
p0 1685 ± 1734
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −2080
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001546
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

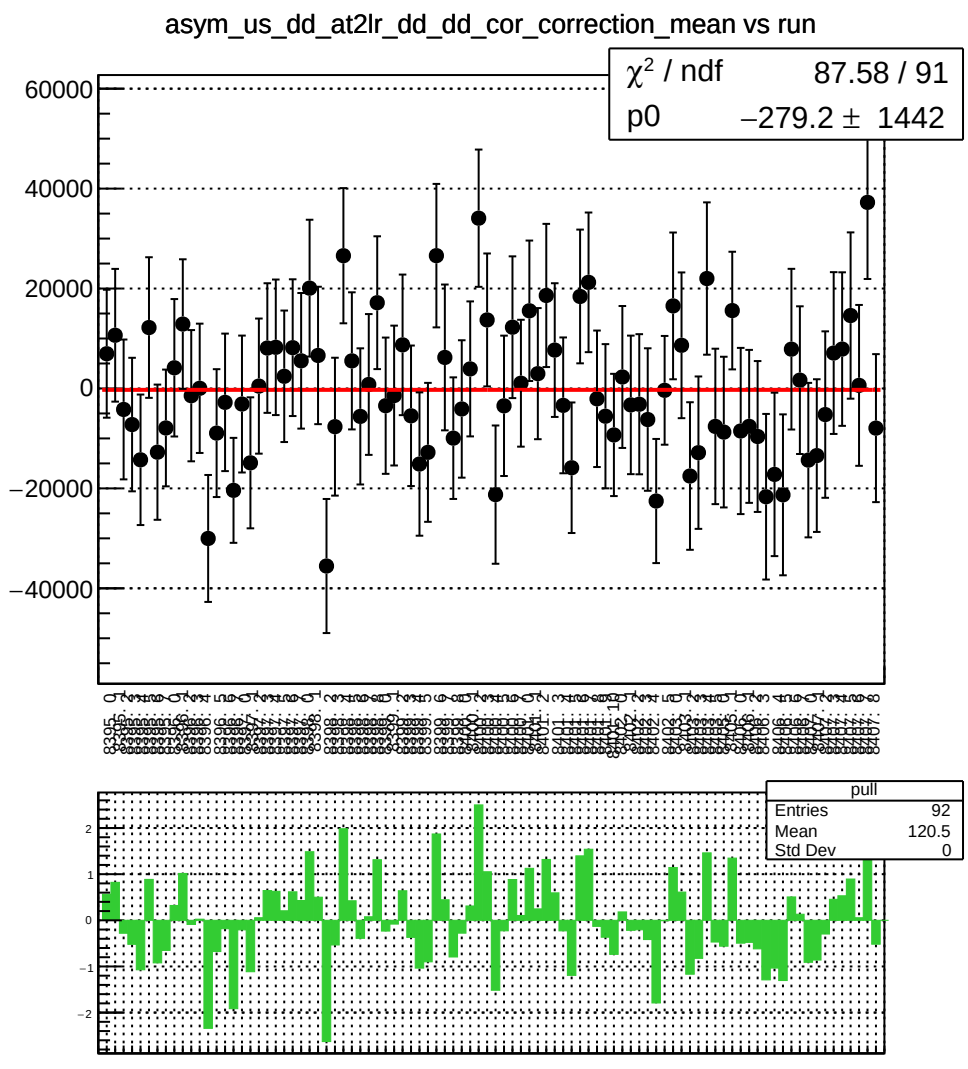

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 261.4 / 91
p0 1609 ± 1.226
1660
1640
1620
1600
1580
1560
1540
1520
1500

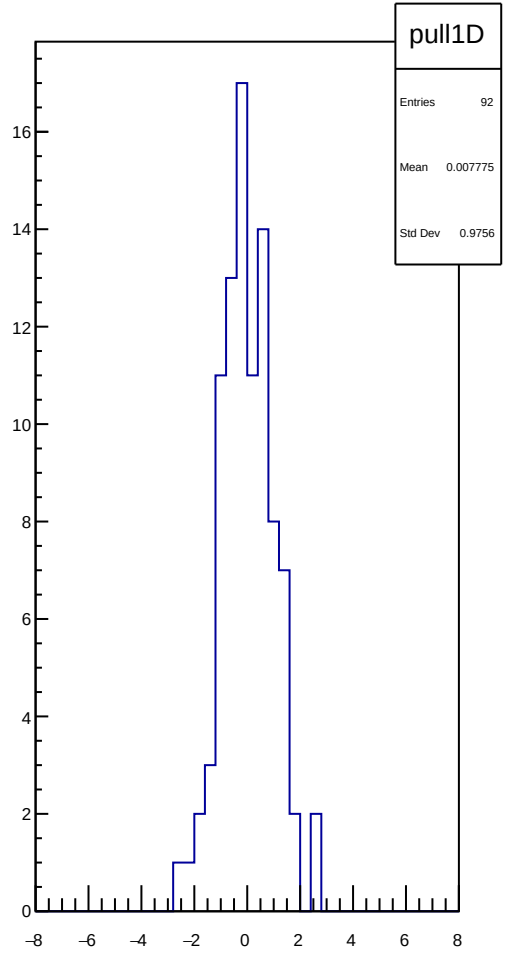

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 87.59 / 91
p0 −278.9 ± 1442
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 120.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.007773
Std Dev 0.9757
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

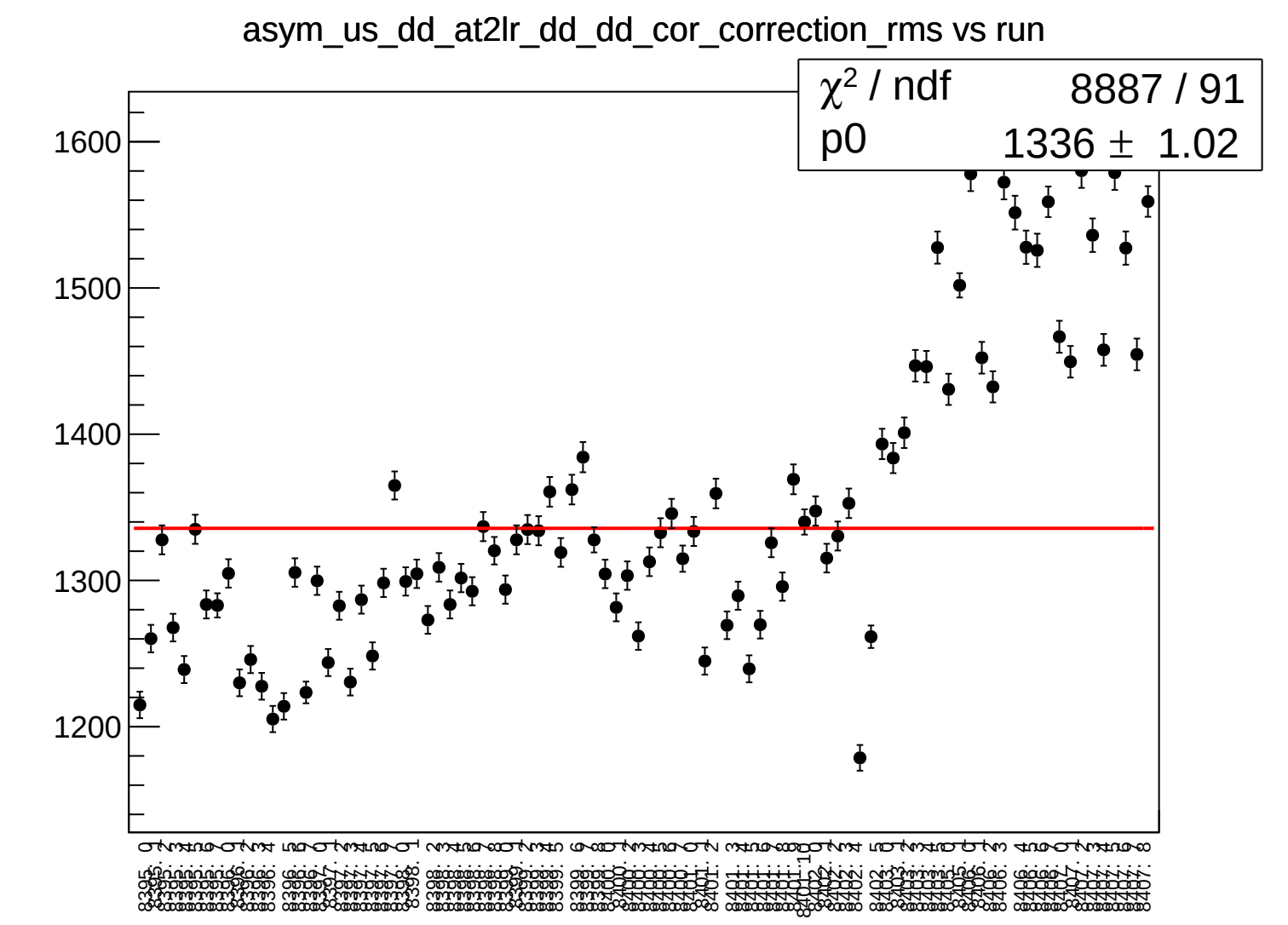

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 8886 / 91
p0 1336 ± 1.02
1600
1500
1400
1300
1200

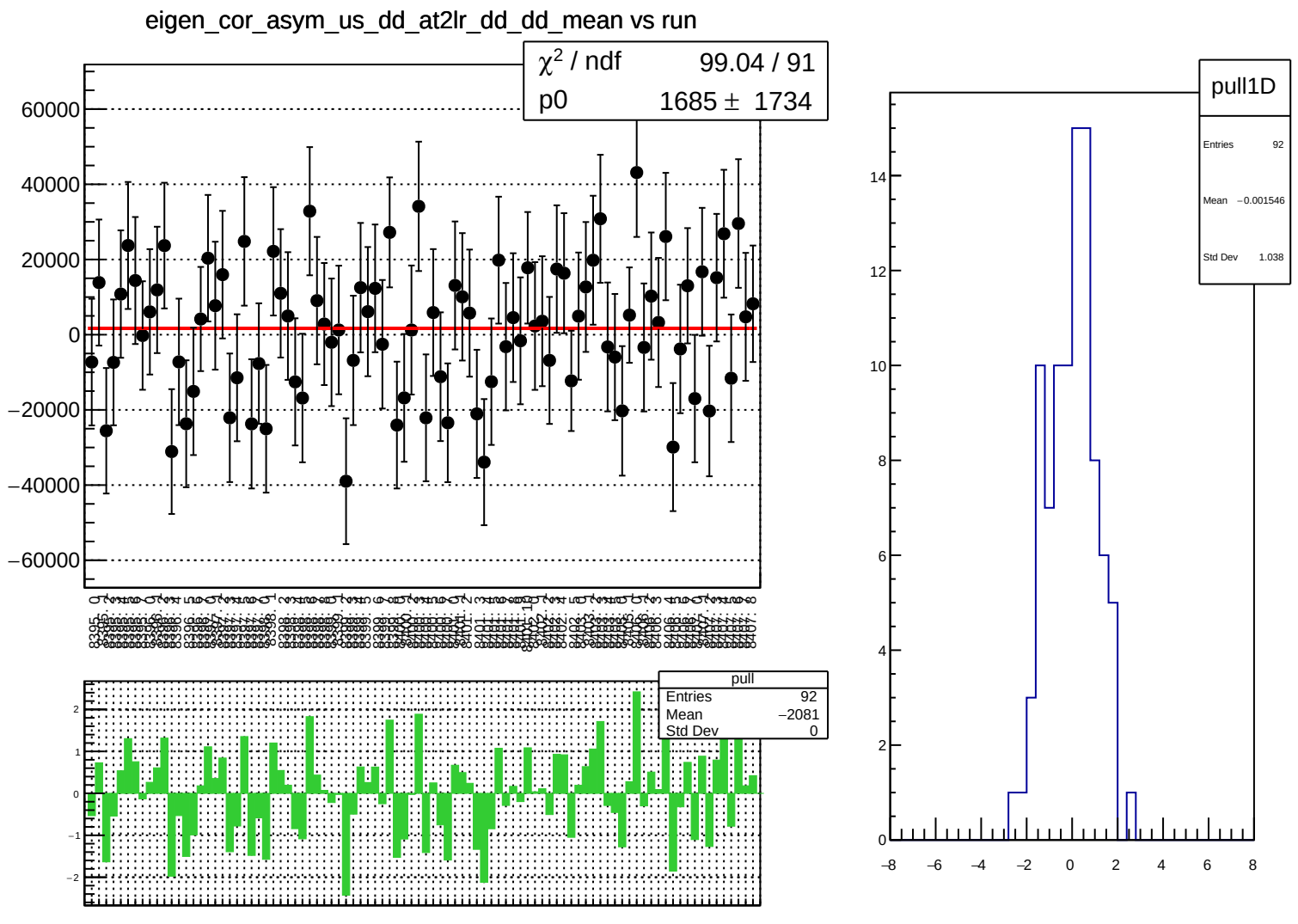

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 99.04 / 91
p0 1685 ± 1734
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −2081
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001546
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

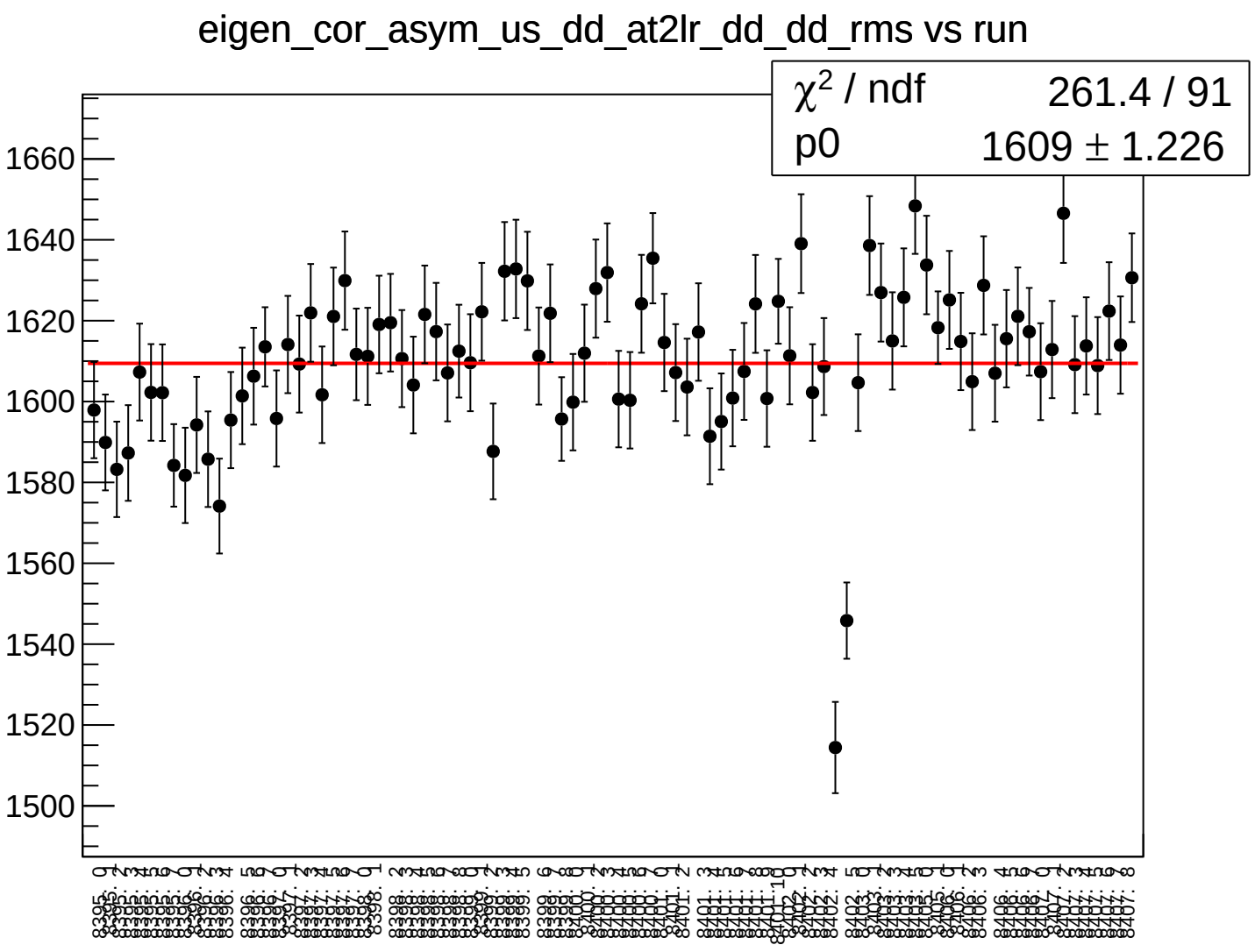

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 261.4 / 91
p0 1609 ± 1.226
1660
1640
1620
1600
1580
1560
1540
1520
1500

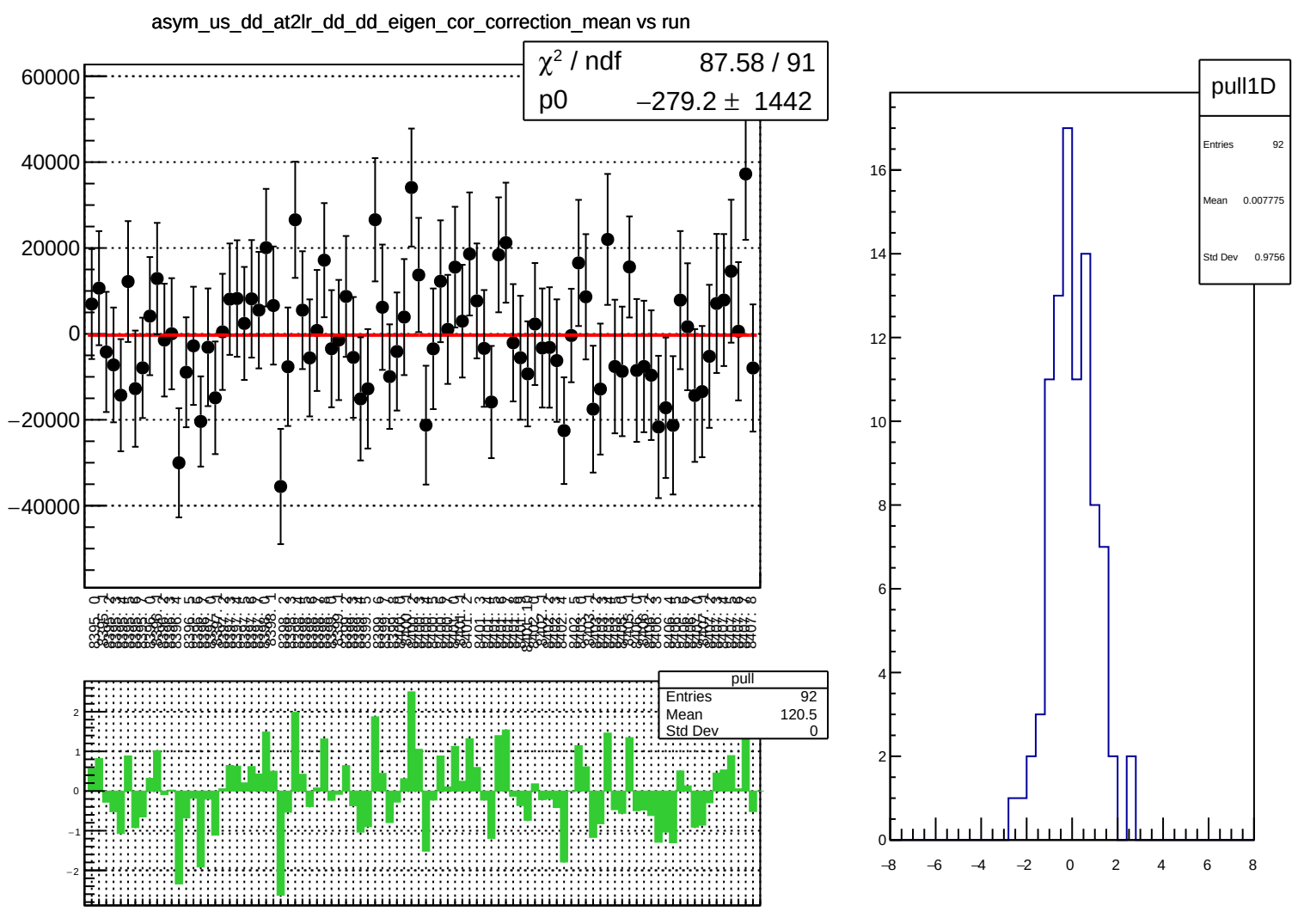

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 87.58 / 91
p0 −279.2 ± 1442
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 120.5
Std Dev 0
2
1
0
−1
−2

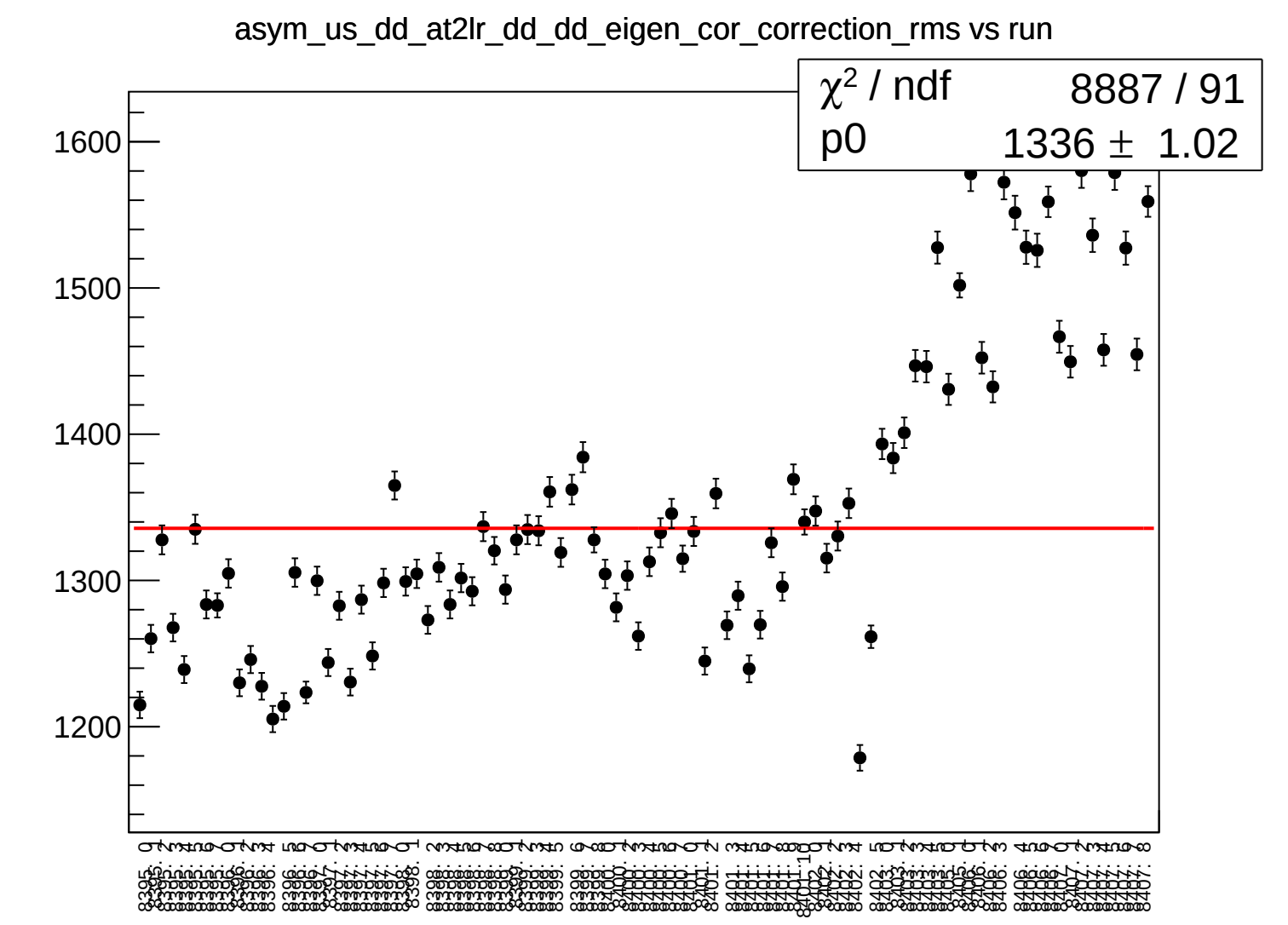

pull1D
Entries 92
Mean 0.007775
Std Dev 0.9756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

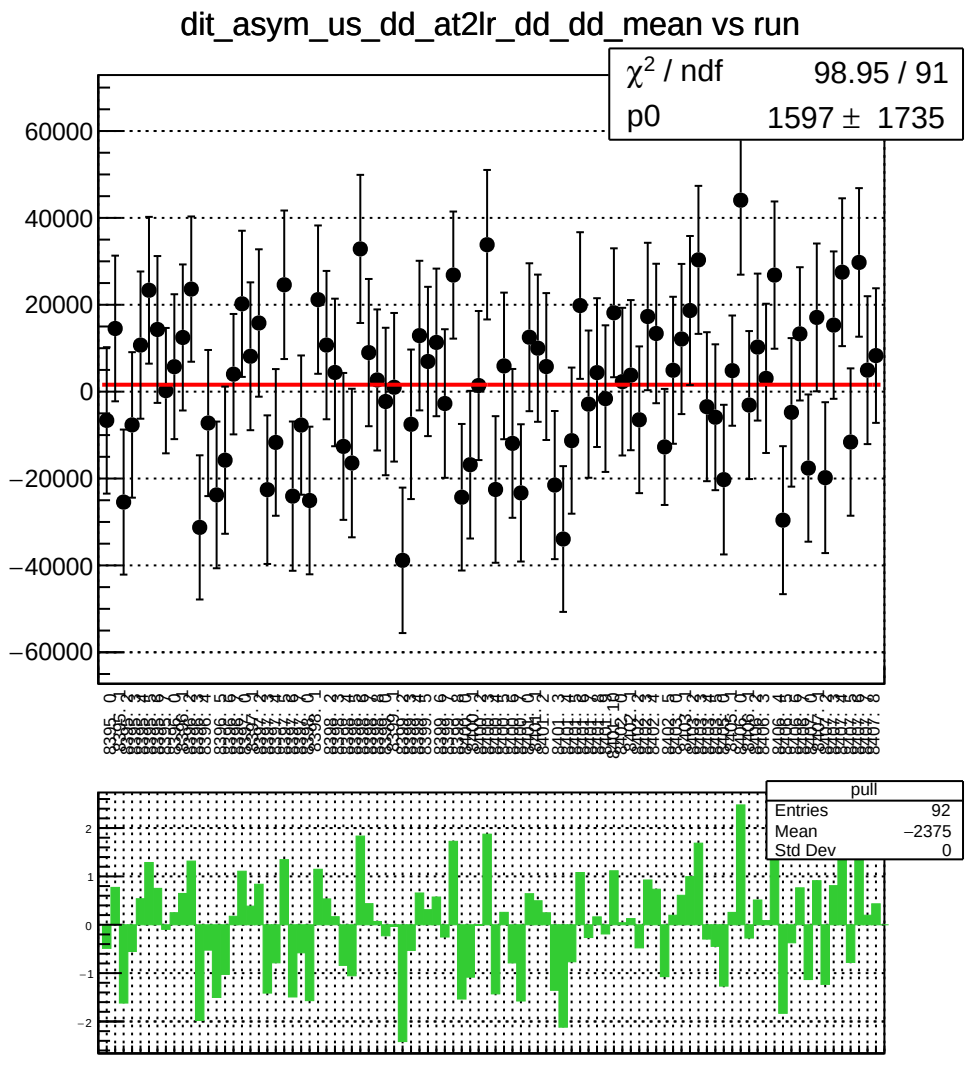

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 8887 / 91
p0 1336 ± 1.02
1600
1500
1400
1300
1200

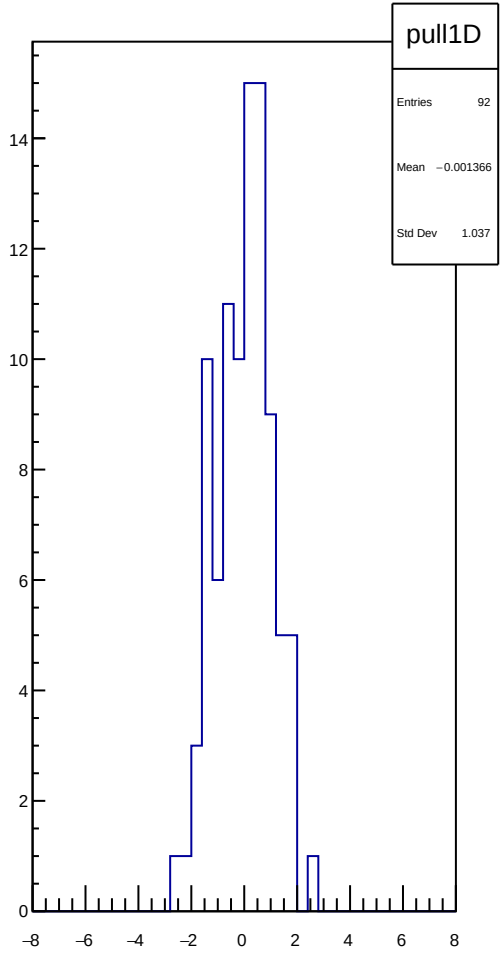

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 99.04 / 91
p0 1685 ± 1734
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −2081
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.001546
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

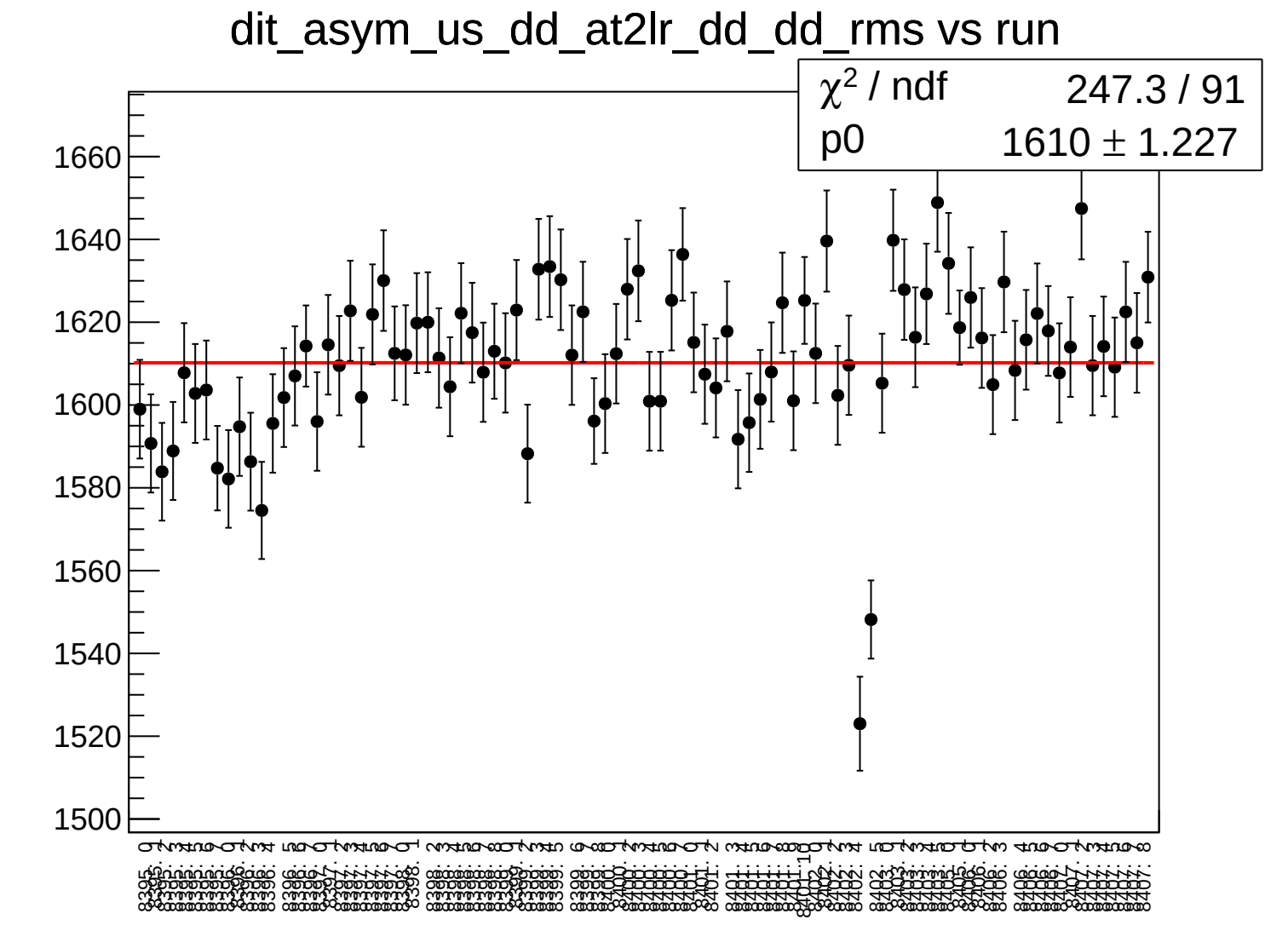

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 261.4 / 91
p0 1609 ± 1.226
1660
1640
1620
1600
1580
1560
1540
1520
1500

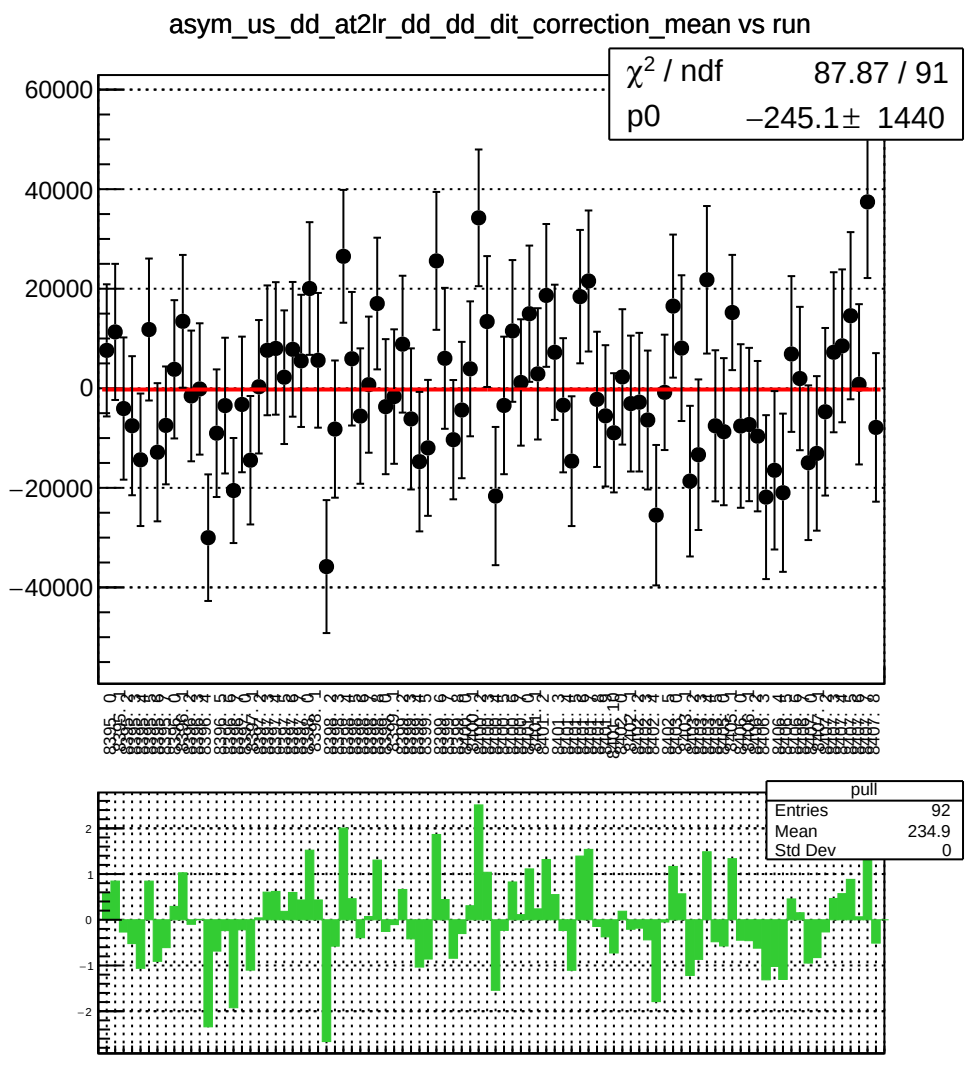

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 87.58 / 91
p0 −279.2 ± 1442
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 120.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.007775
Std Dev 0.9756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

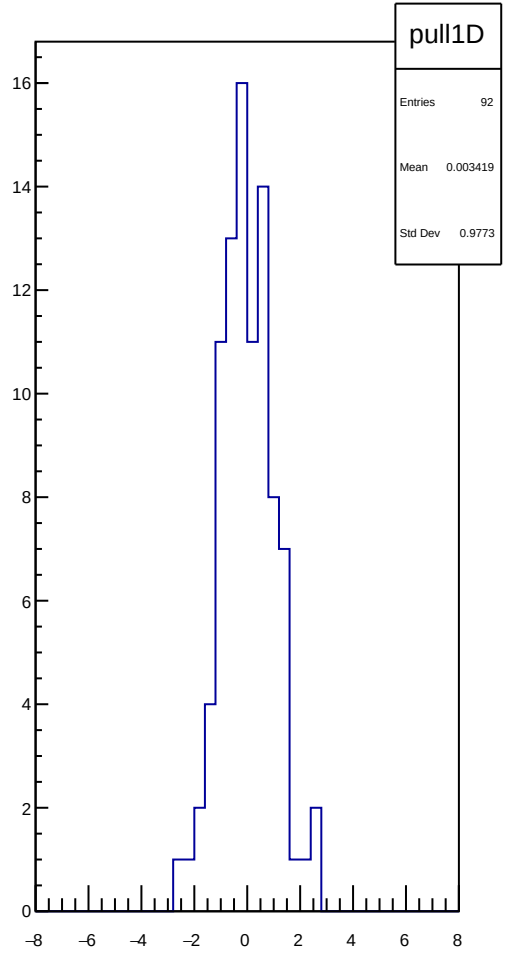

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 8887 / 91
p0 1336 ± 1.02
1600
1500
1400
1300
1200

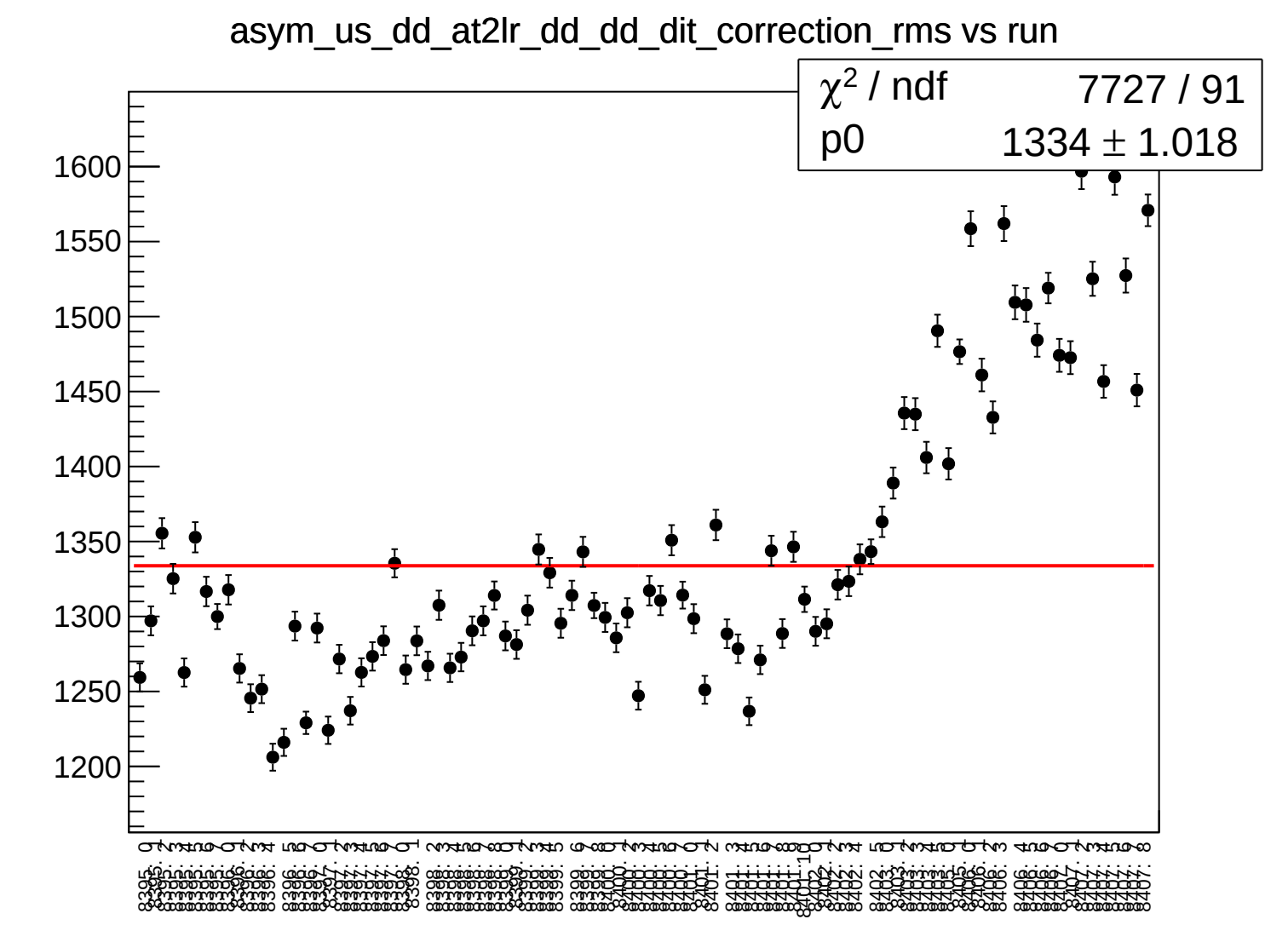

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 98.95 / 91
p0 1597 ± 1735
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −2375
Std Dev 0
2
1
0
−1
−2

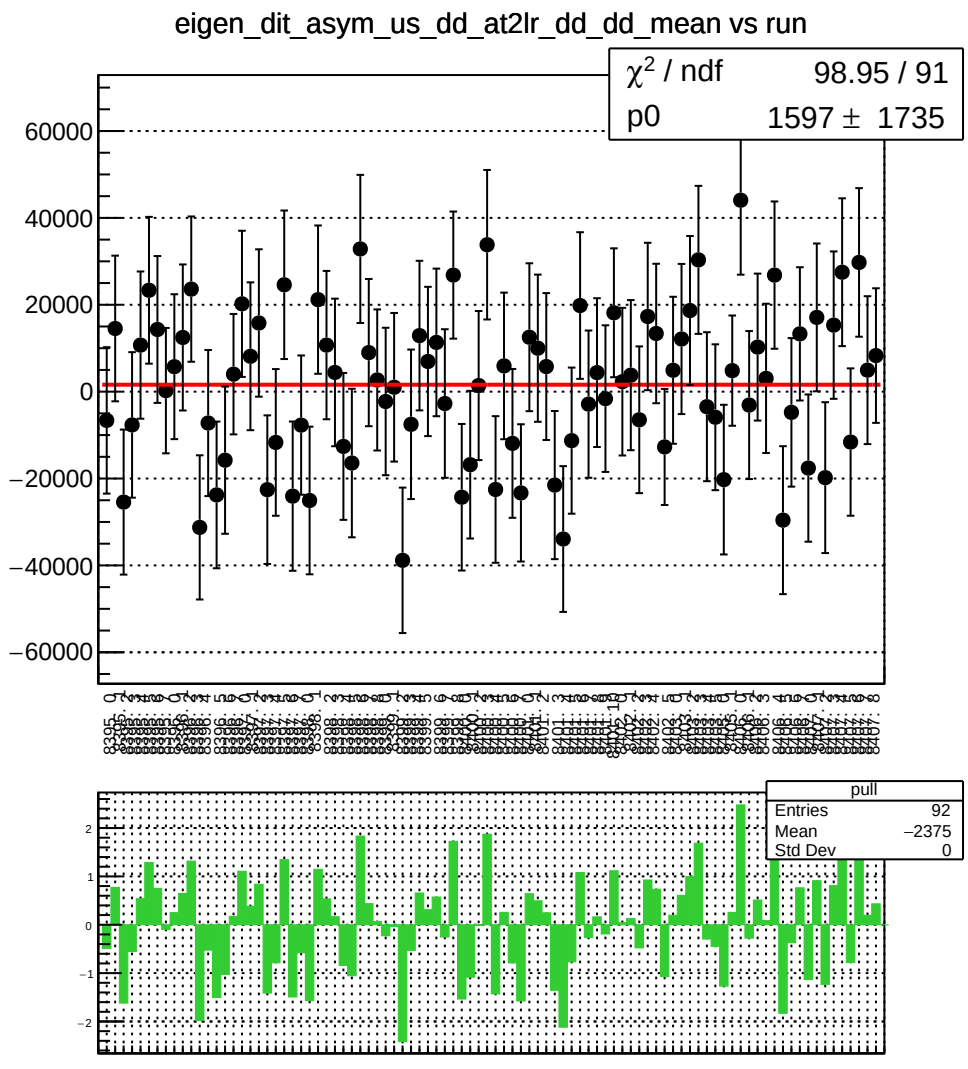

pull1D
Entries 92
Mean −0.001366
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

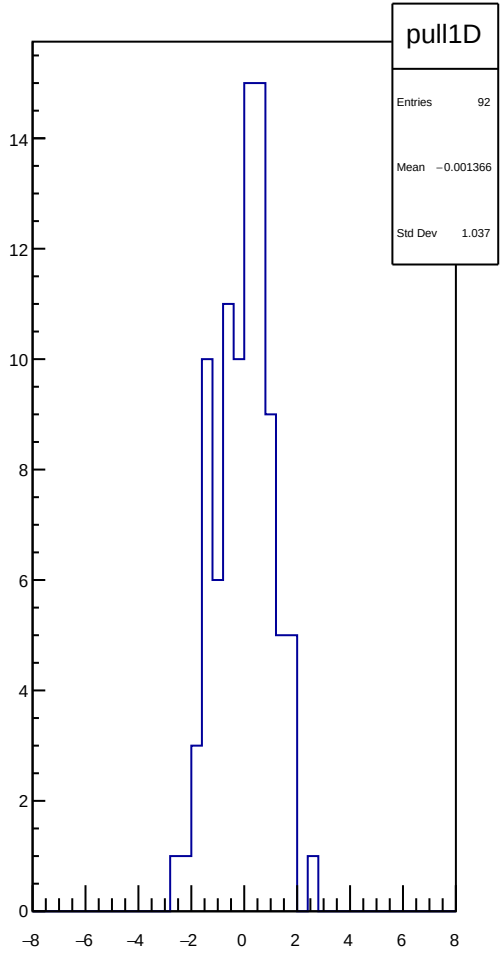

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 247.3 / 91
p0 1610 ± 1.227
1660
1640
1620
1600
1580
1560
1540
1520
1500

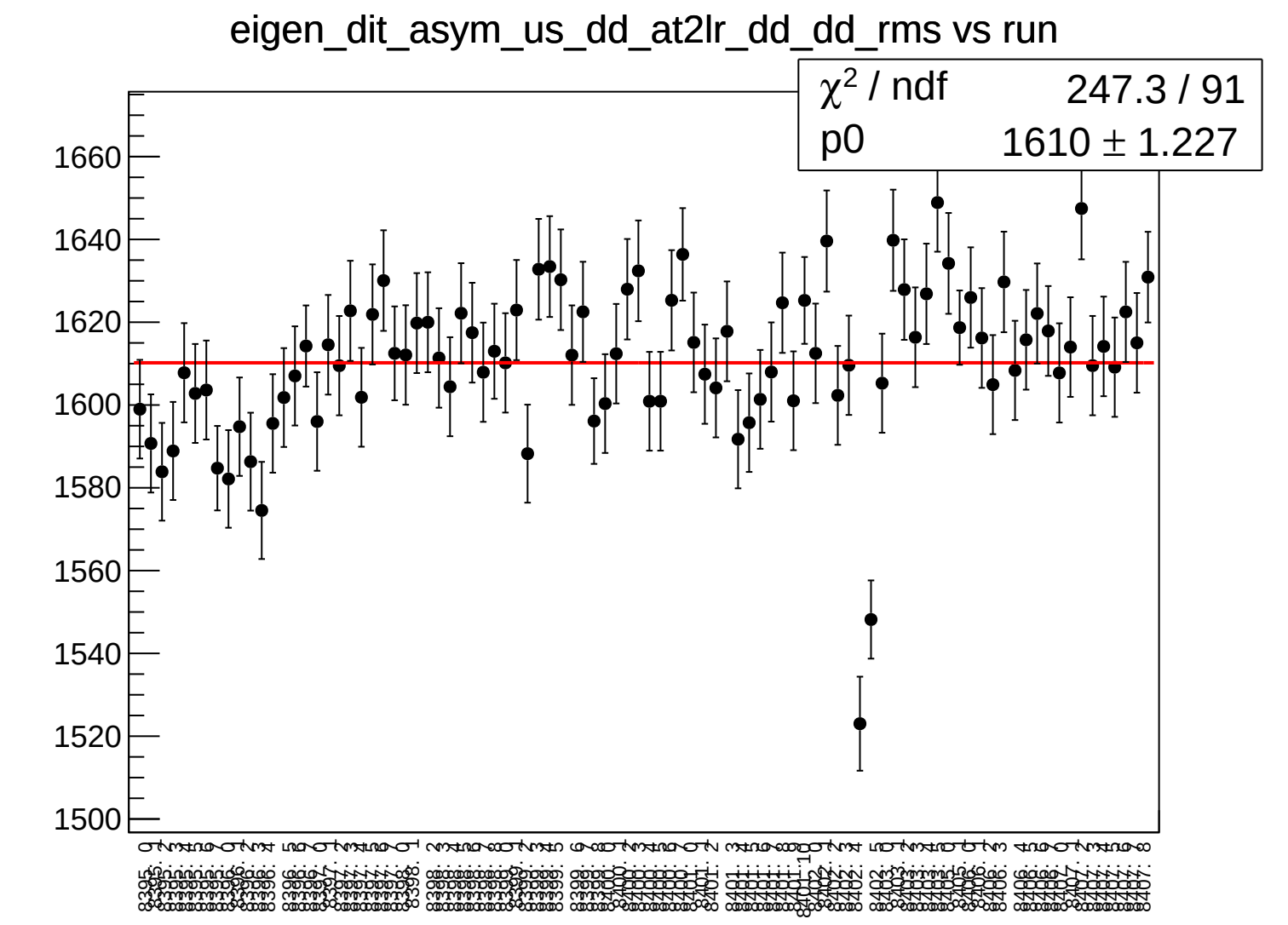

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 87.87 / 91
p0 −245.1± 1440
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 234.9
Std Dev 0
2
1
0
−1
−2

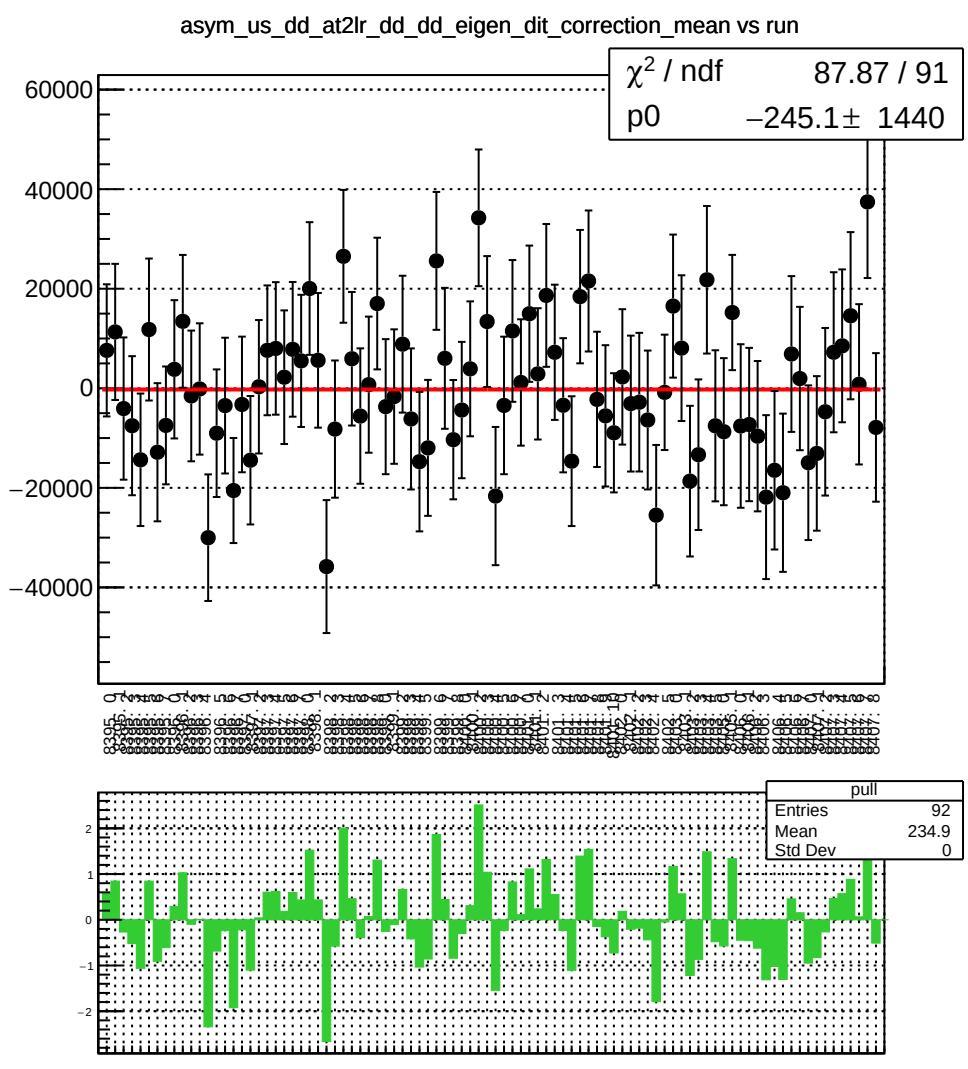

pull1D
Entries 92
Mean 0.003419
Std Dev 0.9773
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

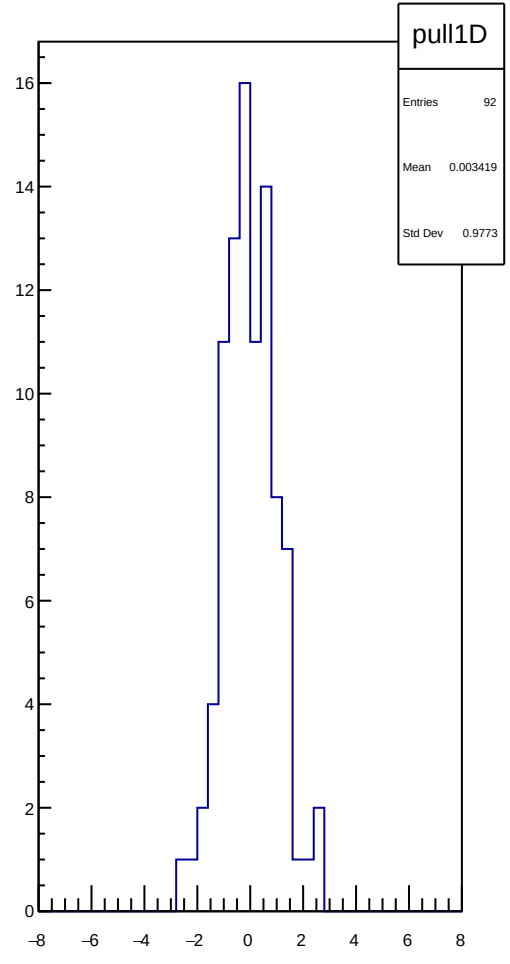

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 7727 / 91
p0 1334 ± 1.018
1600
1550
1500
1450
1400
1350
1300
1250
1200

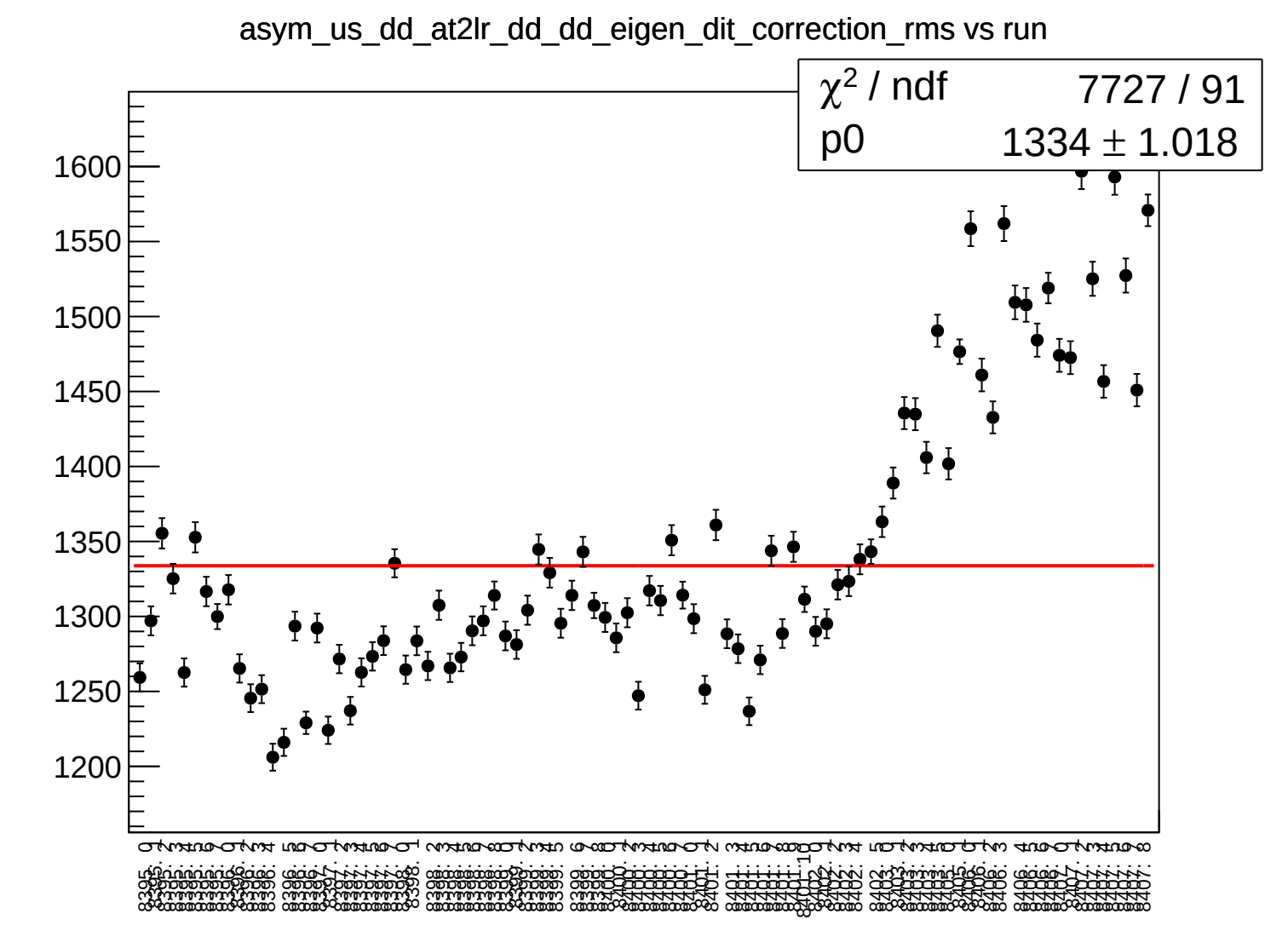

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 98.95 / 91
p0 1597 ± 1735
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean −2375
Std Dev 0
2
1
0
−1
−2

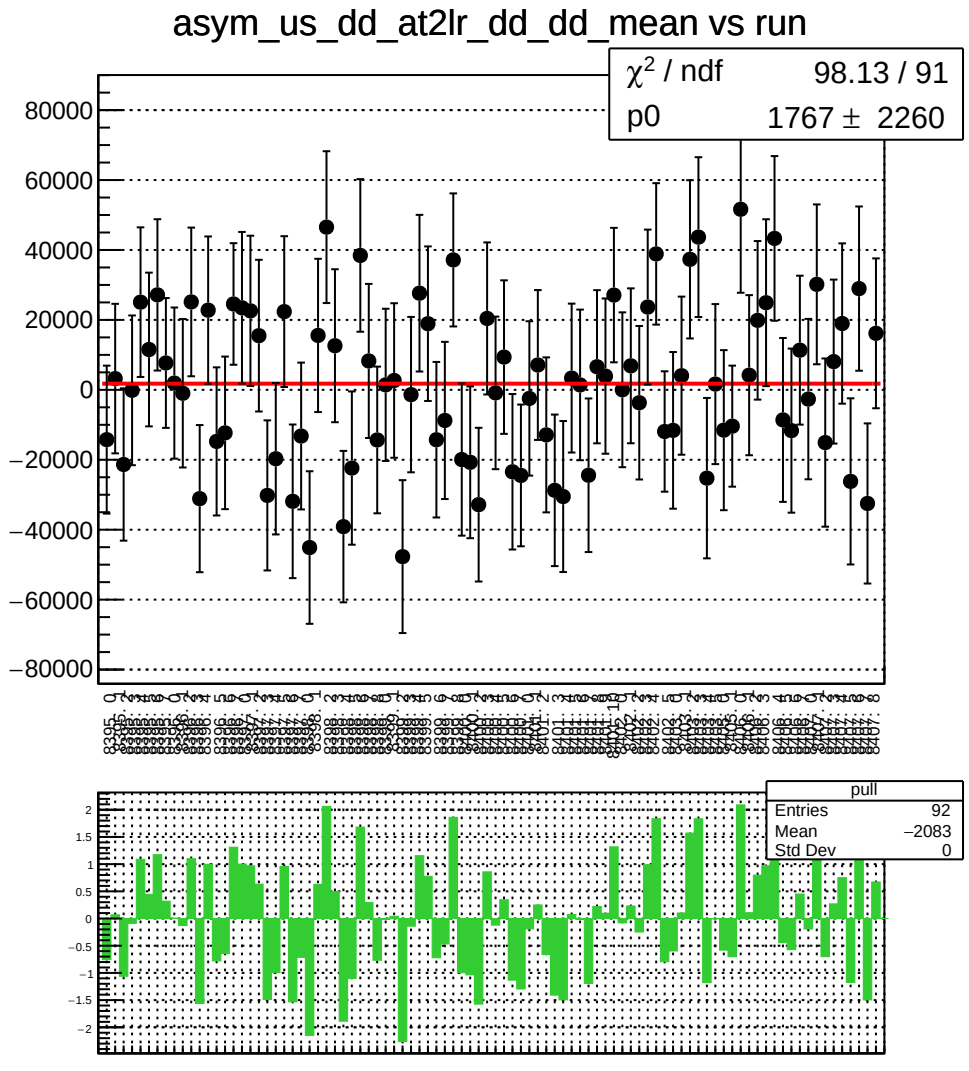

pull1D
Entries 92
Mean −0.001366
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

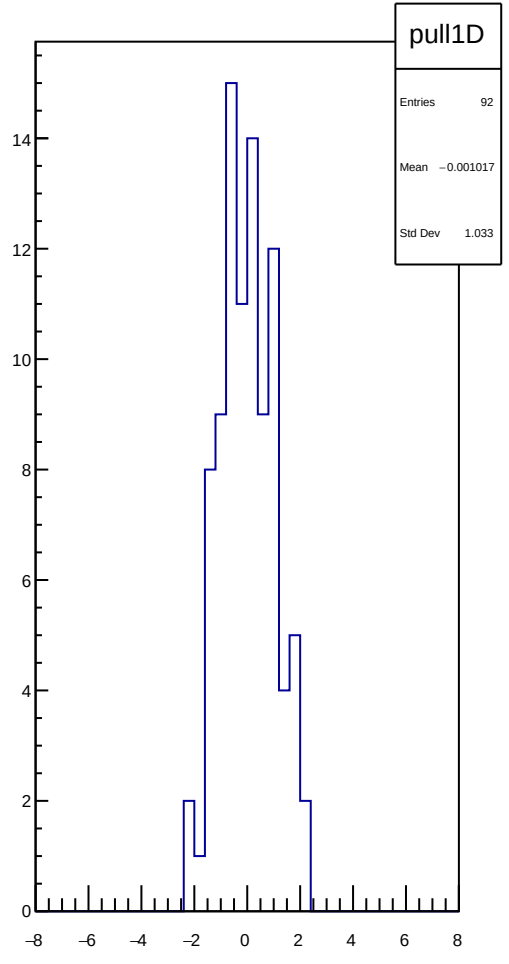

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 247.3 / 91
p0 1610 ± 1.227
1660
1640
1620
1600
1580
1560
1540
1520
1500

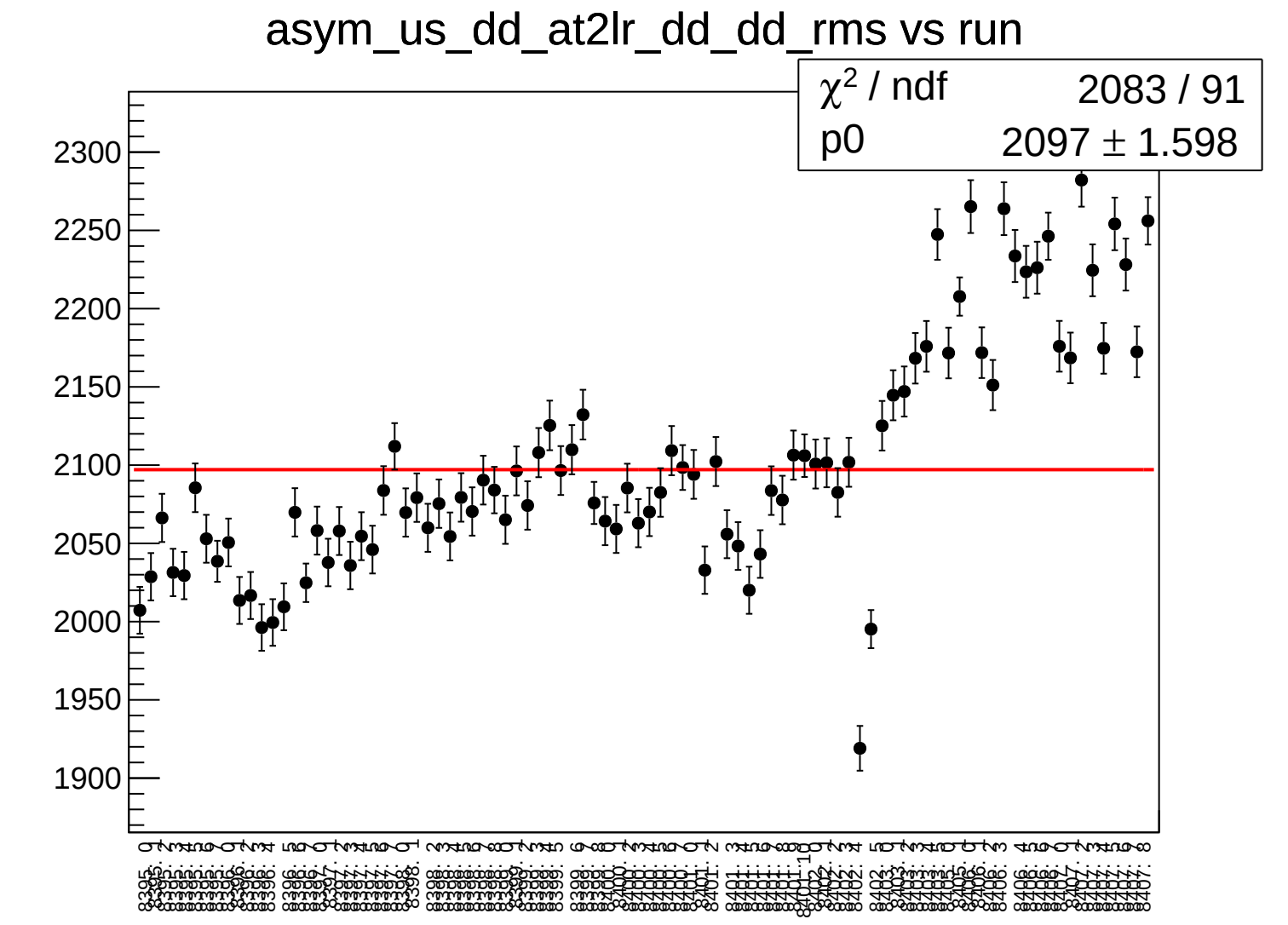

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 87.87 / 91
p0 −245.1± 1440
60000
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 234.9
Std Dev 0
2
1
0
−1
−2

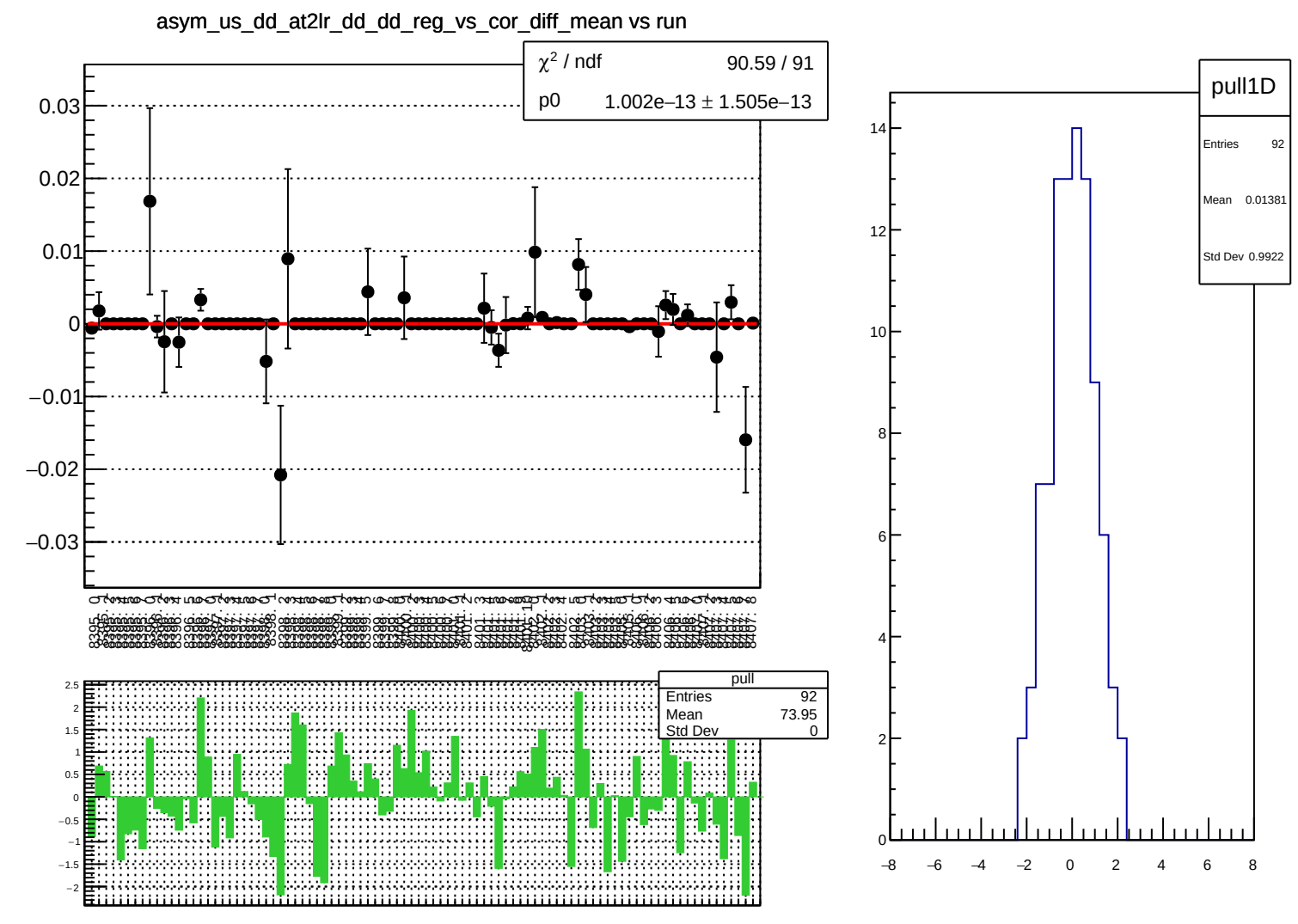

pull1D
Entries 92
Mean 0.003419
Std Dev 0.9773
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

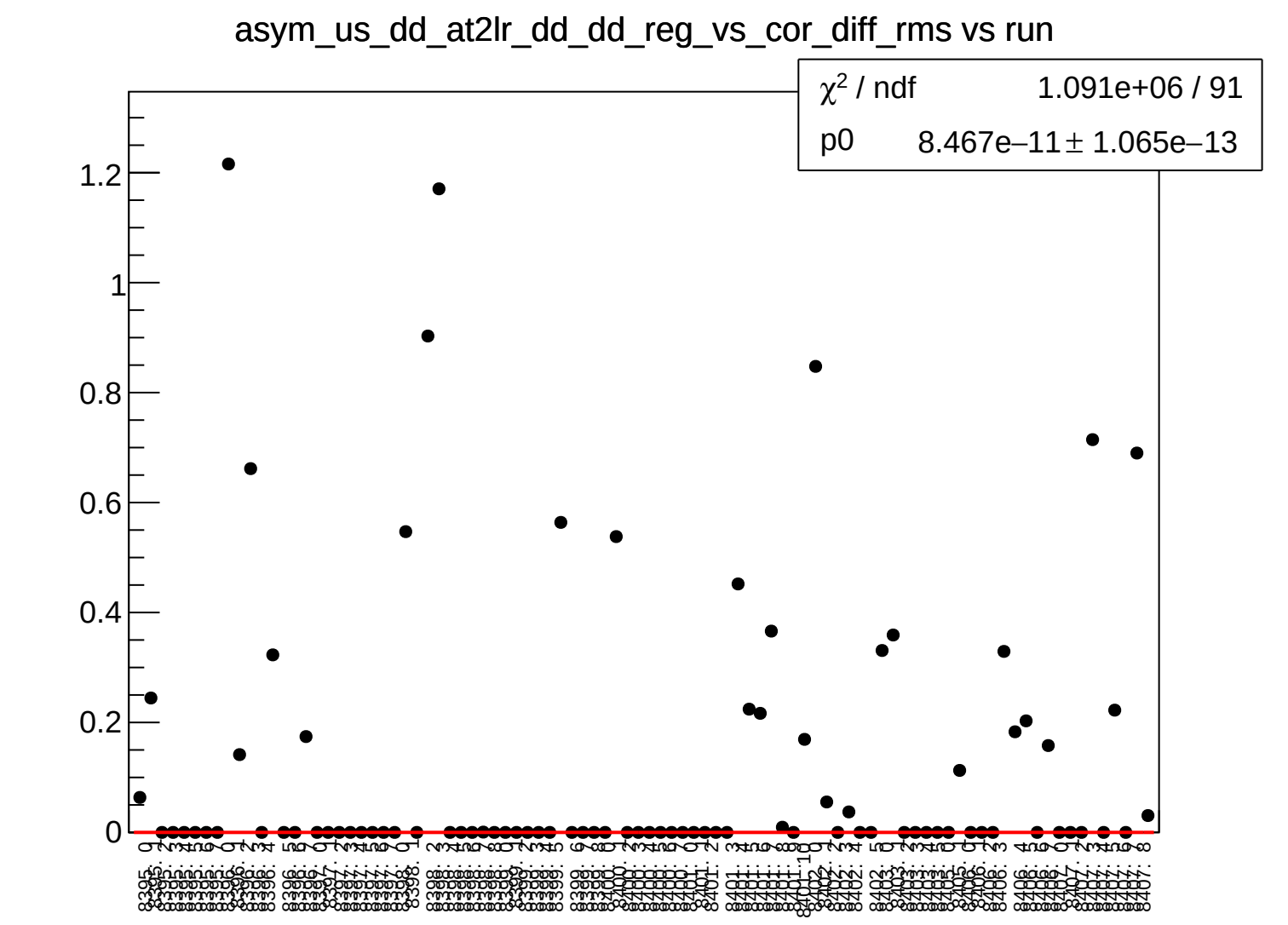

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 7727 / 91
p0 1334 ± 1.018
1600
1550
1500
1450
1400
1350
1300
1250
1200

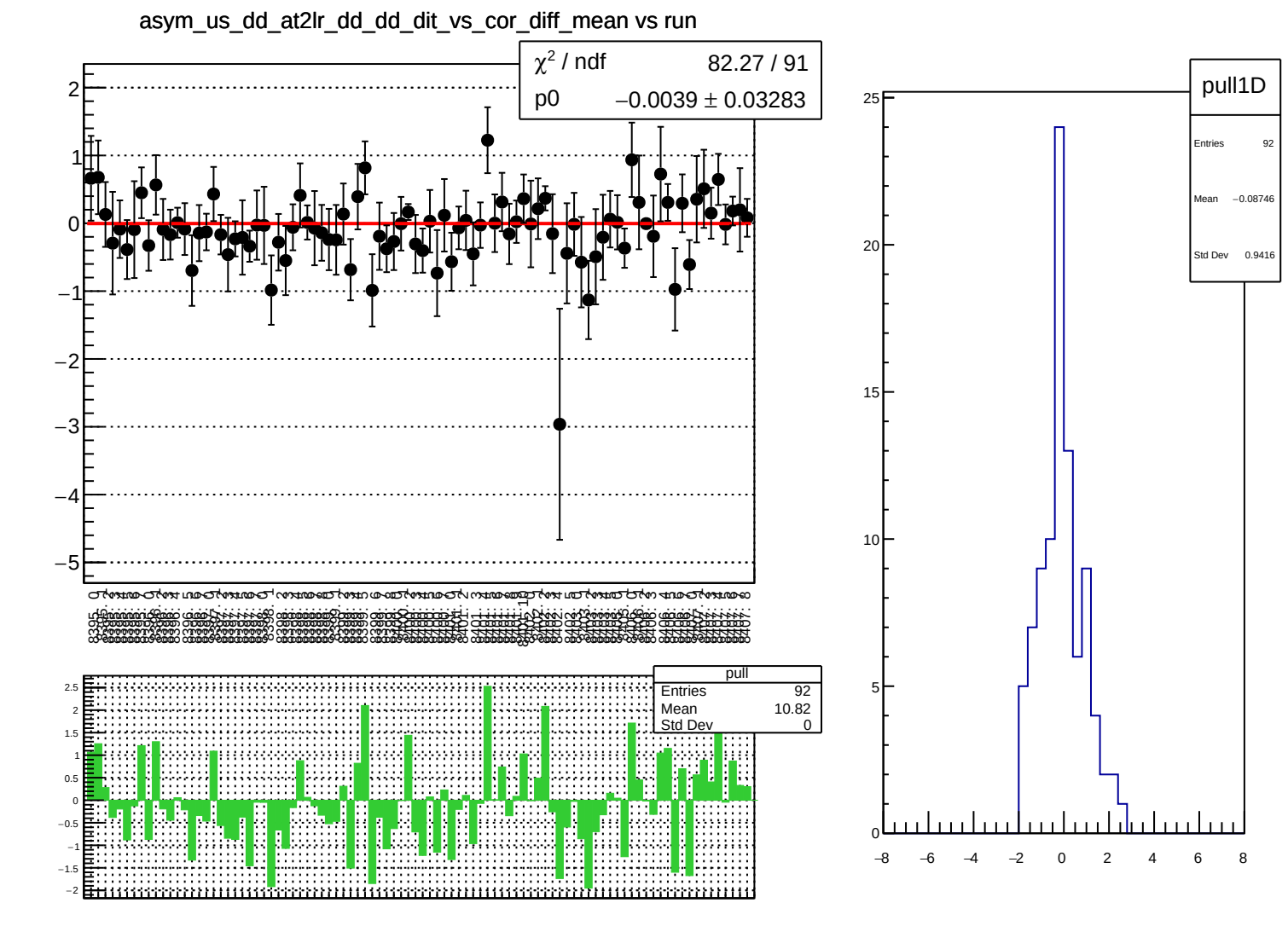

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 98.13 / 91
p0 1767 ± 2260
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −2083
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

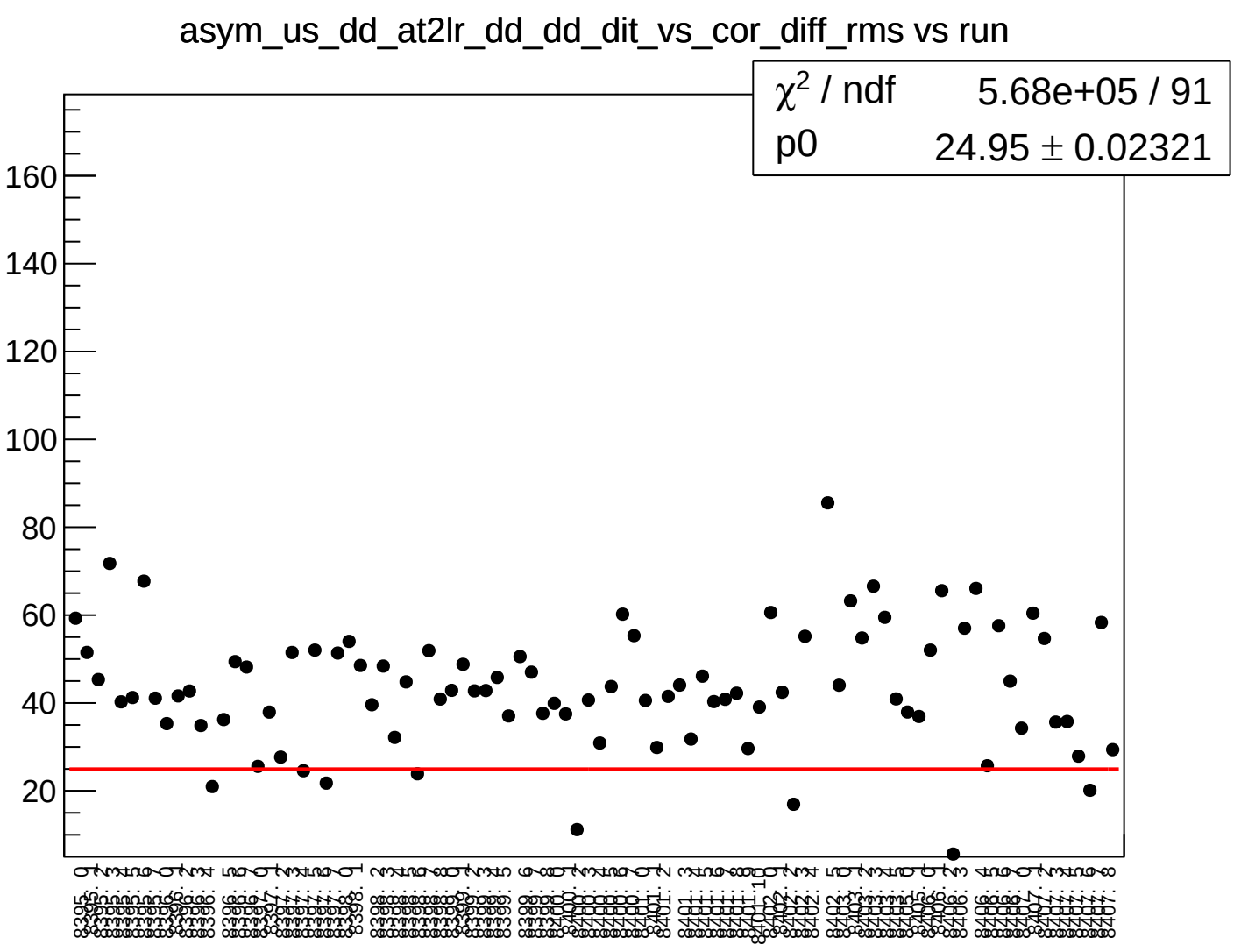

pull1D
Entries 92
Mean −0.001017
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

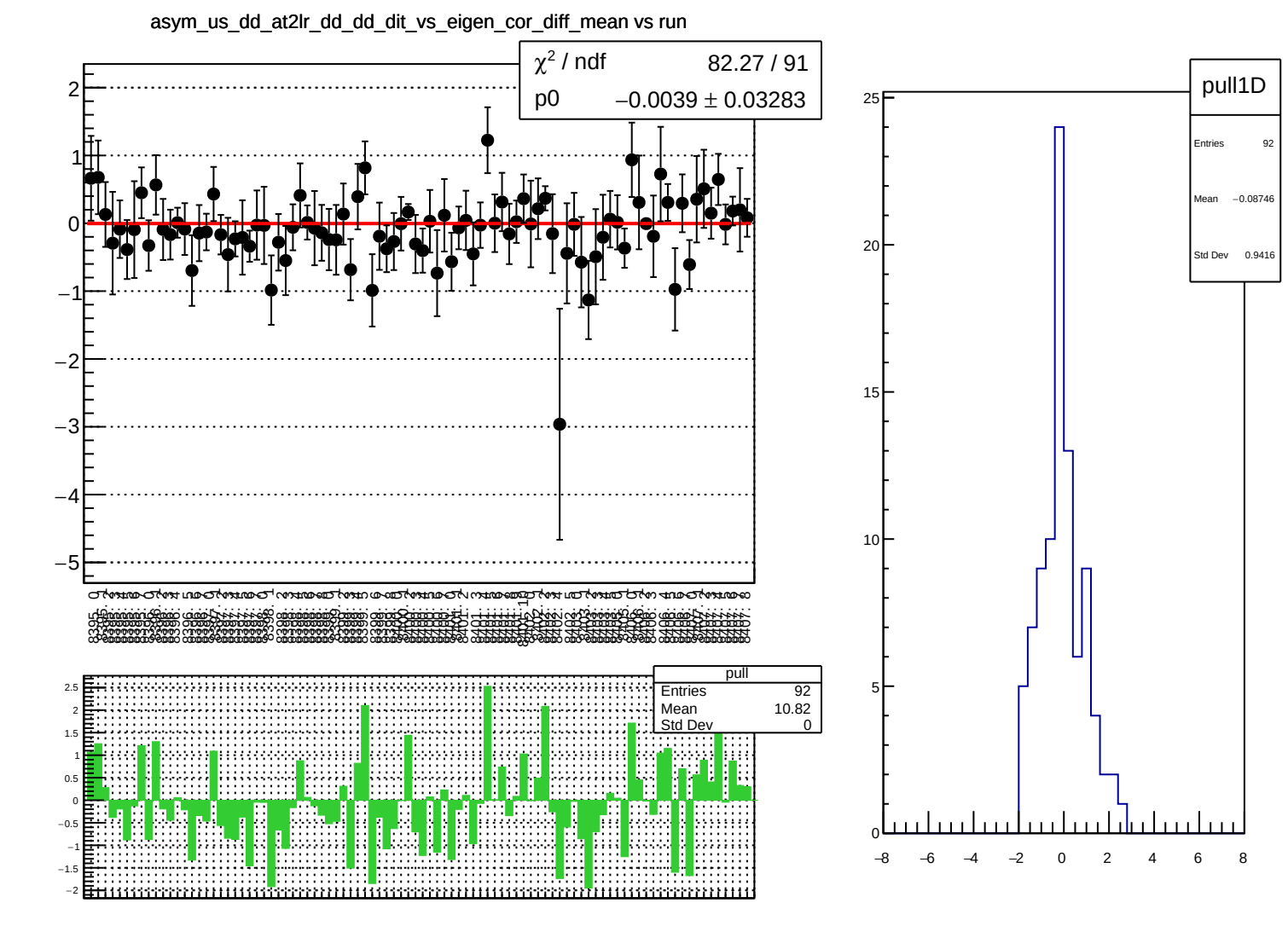

asym_us_dd_at2lr_dd_dd_rms vs run
$\chi^2$ / ndf 2083 / 91
p0 2097 ± 1.598
2300
2250
2200
2150
2100
2050
2000
1950
1900

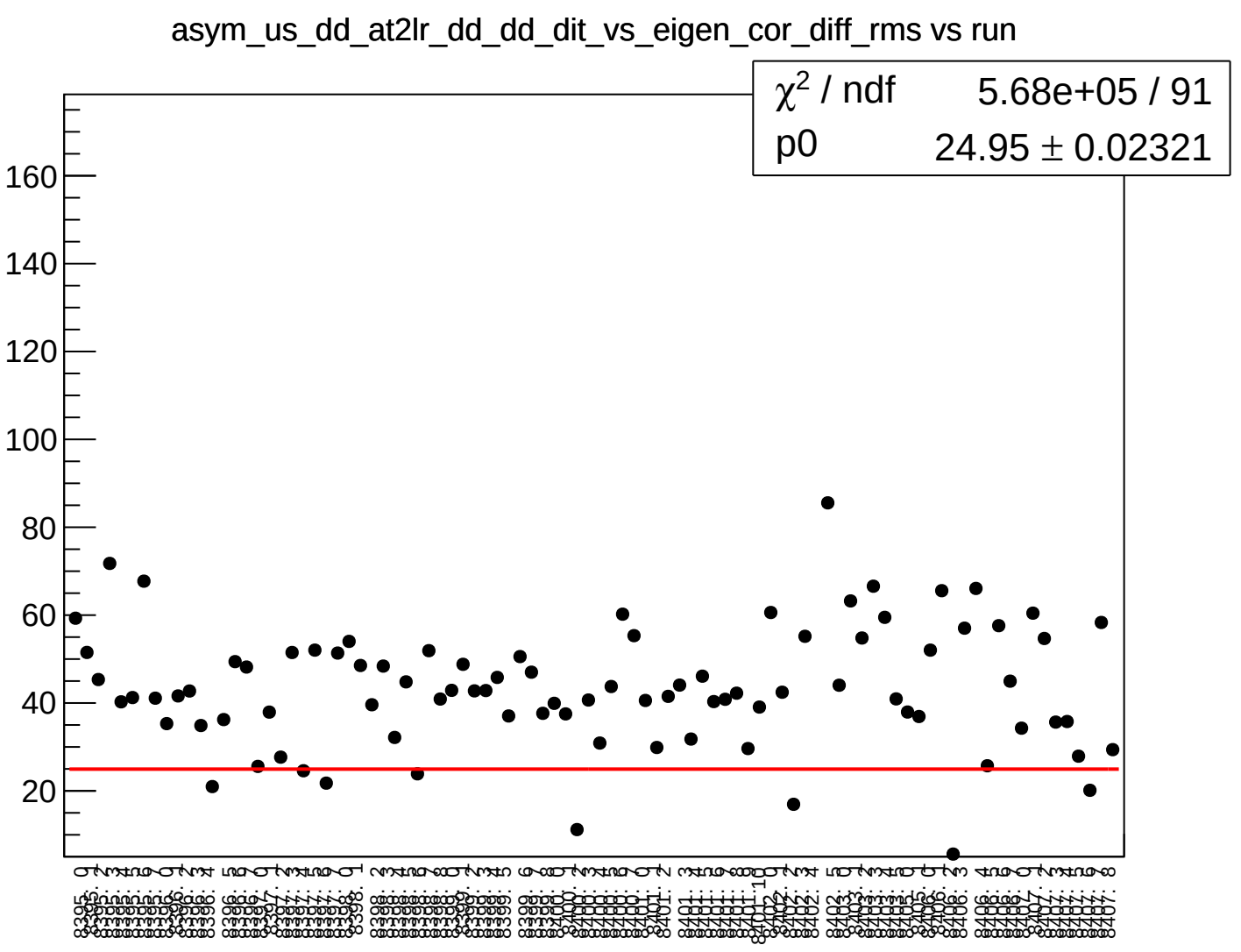

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 90.59 / 91
p0 1.002e−13 ± 1.505e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 73.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.01381
Std Dev 0.9922
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

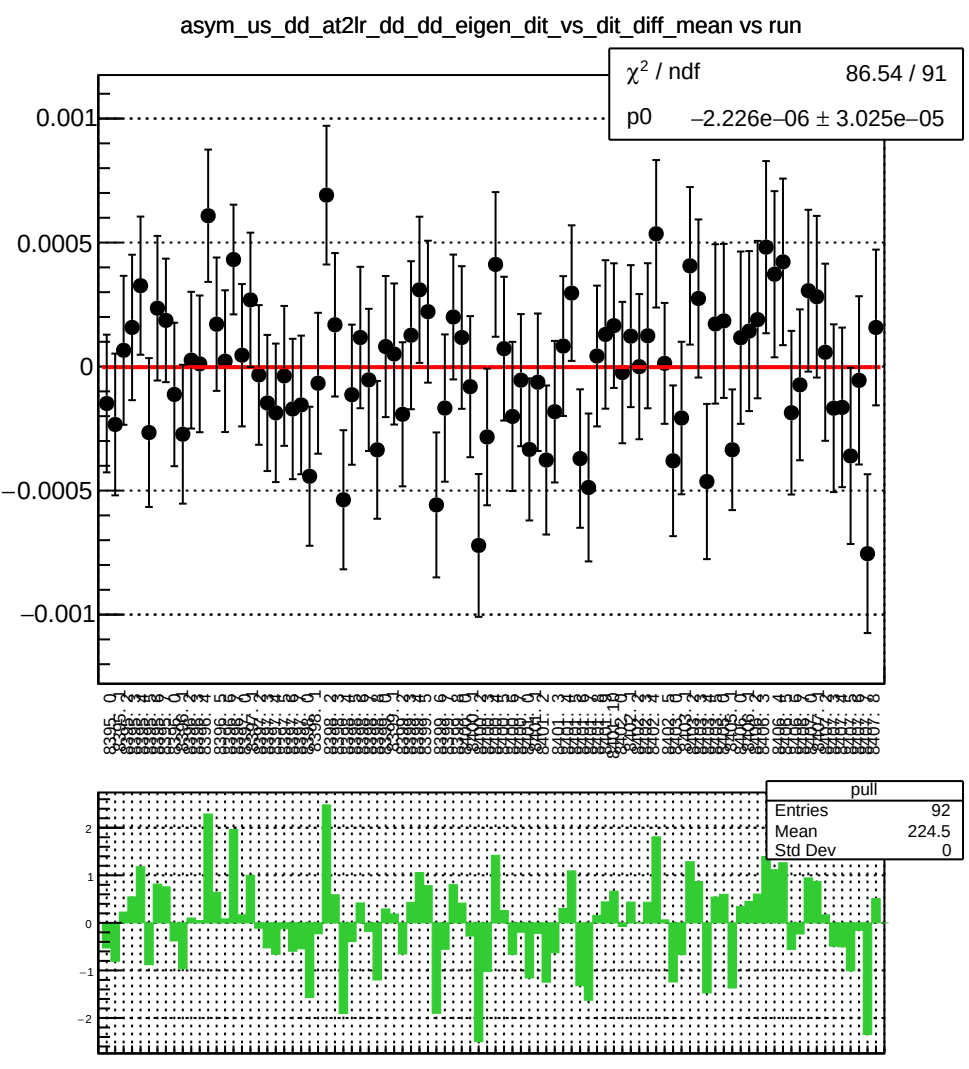

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.091e+06 / 91
p0 8.467e−11 ± 1.065e−13
1.2
1
0.8
0.6
0.4
0.2
0

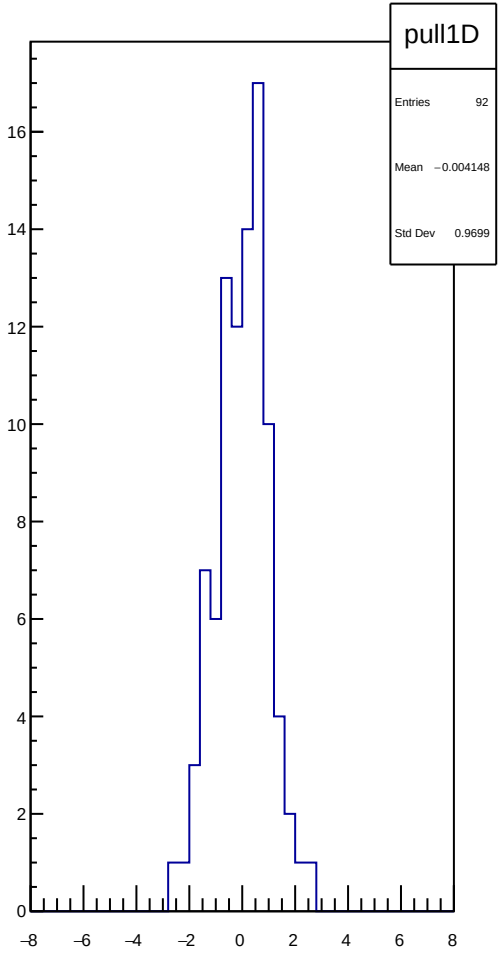

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.27 / 91
p0 −0.0039 ± 0.03283
pull
Entries 92
Mean 10.82
Std Dev 0
pull1D
Entries 92
Mean −0.08746
Std Dev 0.9416

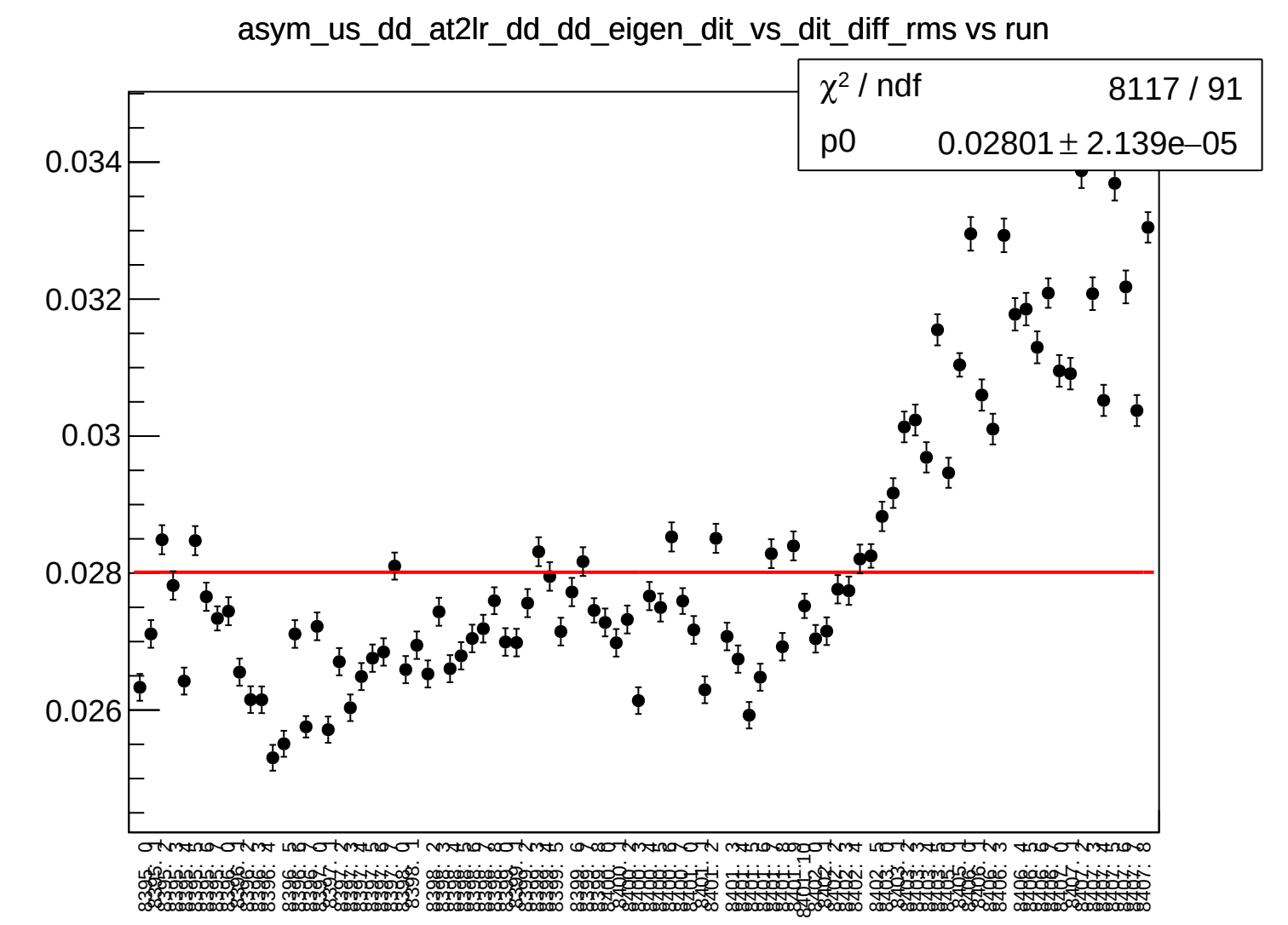

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.68e+05 / 91
p0 24.95 ± 0.02321
160
140
120
100
80
60
40
20

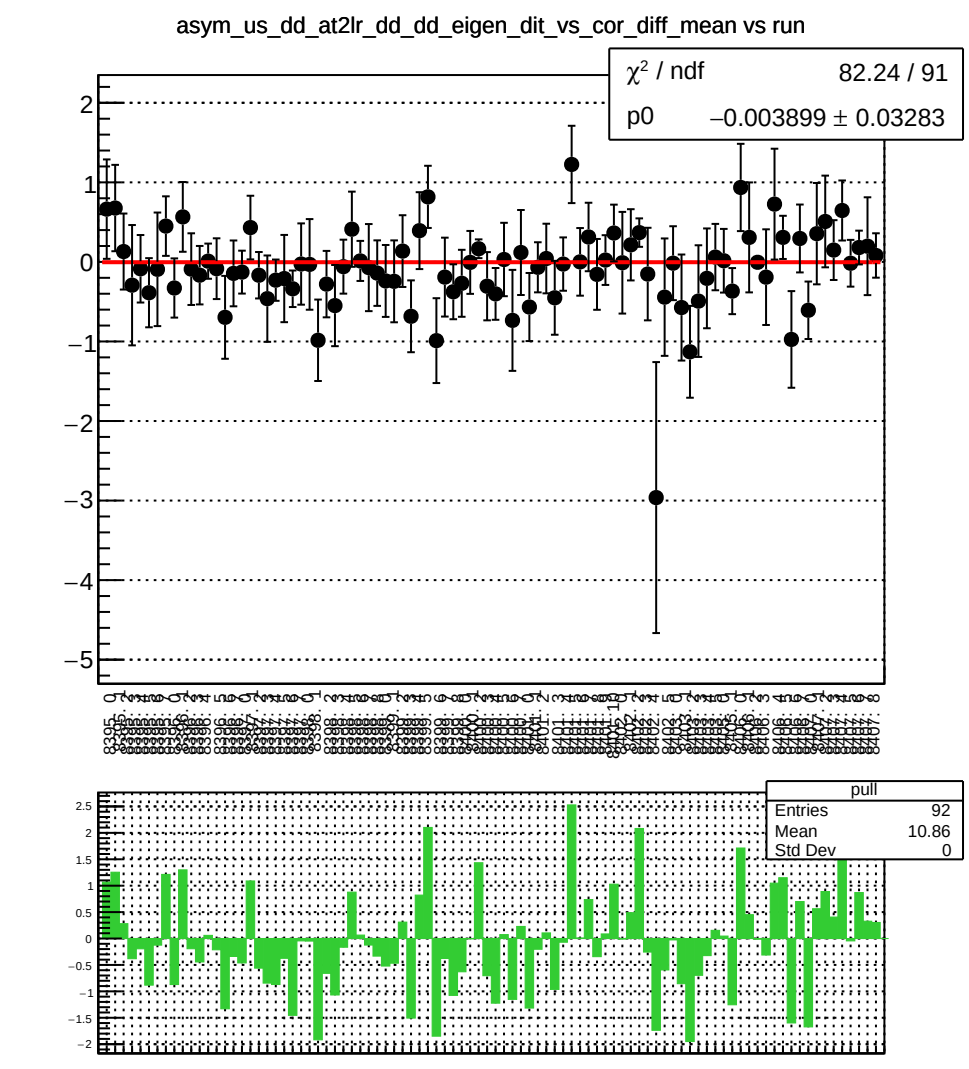

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.27 / 91
p0 −0.0039 ± 0.03283
pull
Entries 92
Mean 10.82
Std Dev 0
pull1D
Entries 92
Mean −0.08746
Std Dev 0.9416

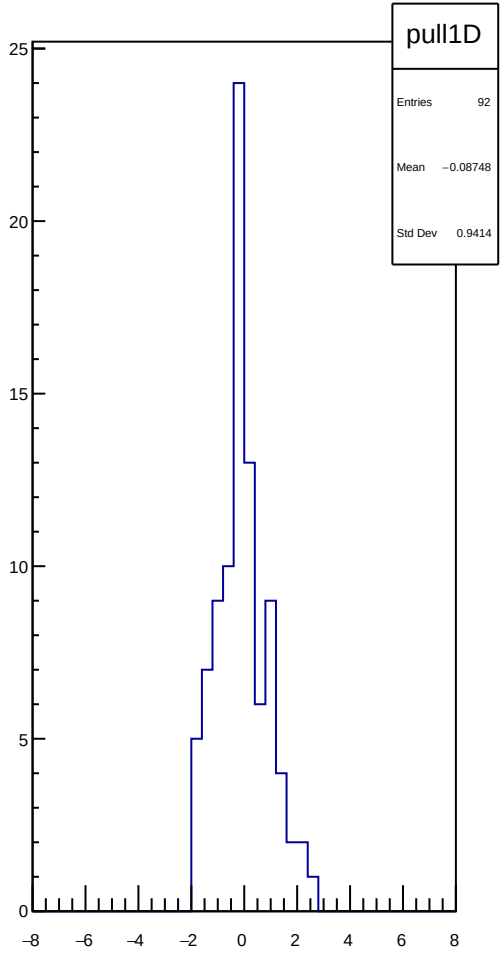

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.68e+05 / 91
p0 24.95 ± 0.02321
160
140
120
100
80
60
40
20

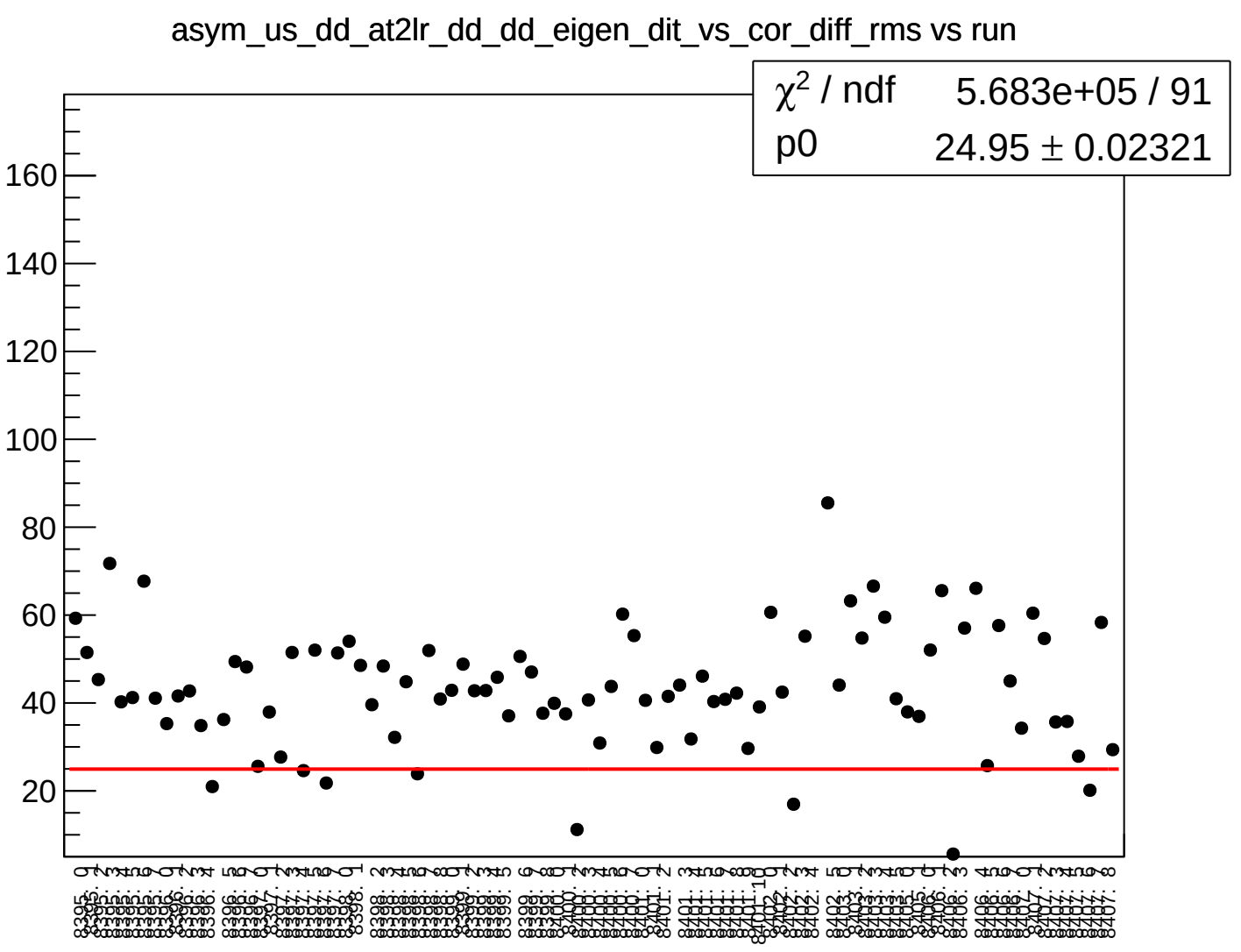

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 86.54 / 91
p0 −2.226e−06 ± 3.025e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 224.5
Std Dev 0
2
1
0
−1
−2

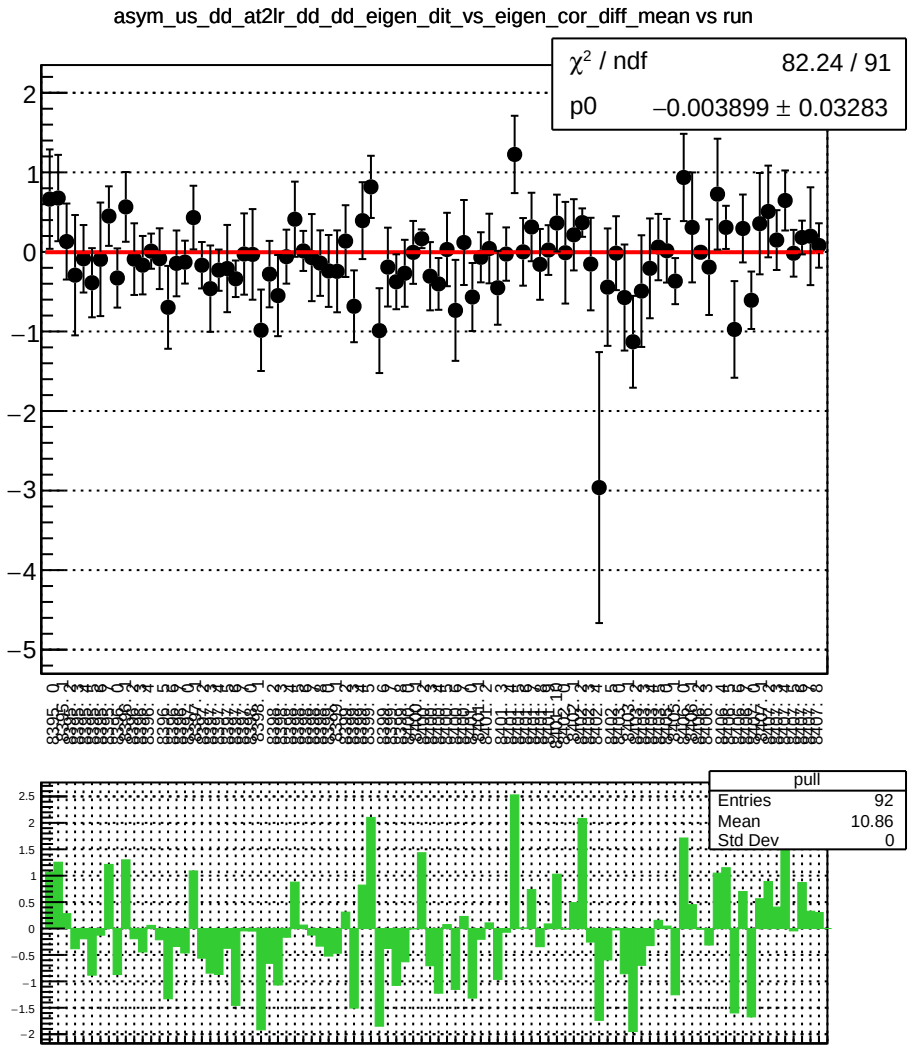

pull1D
Entries 92
Mean −0.004148
Std Dev 0.9699
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

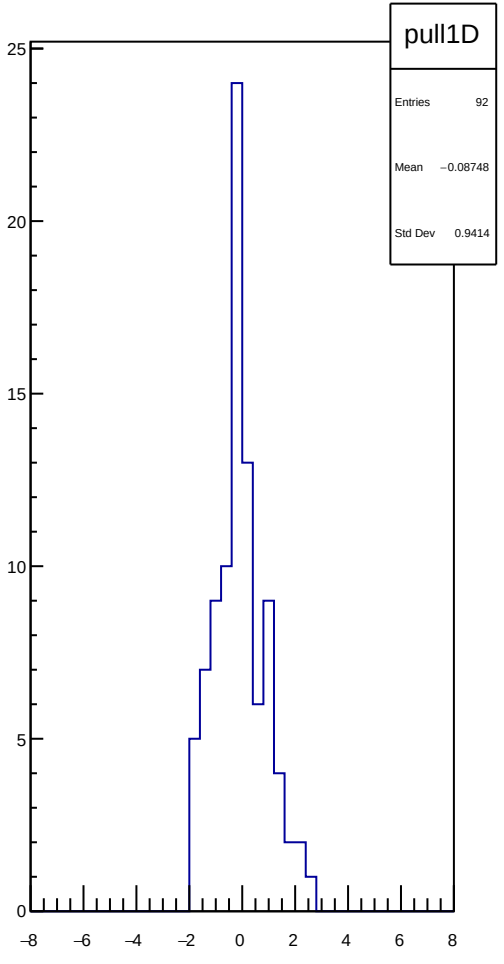

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8117 / 91
p0 0.02801 ± 2.139e−05
0.034
0.032
0.03
0.028
0.026

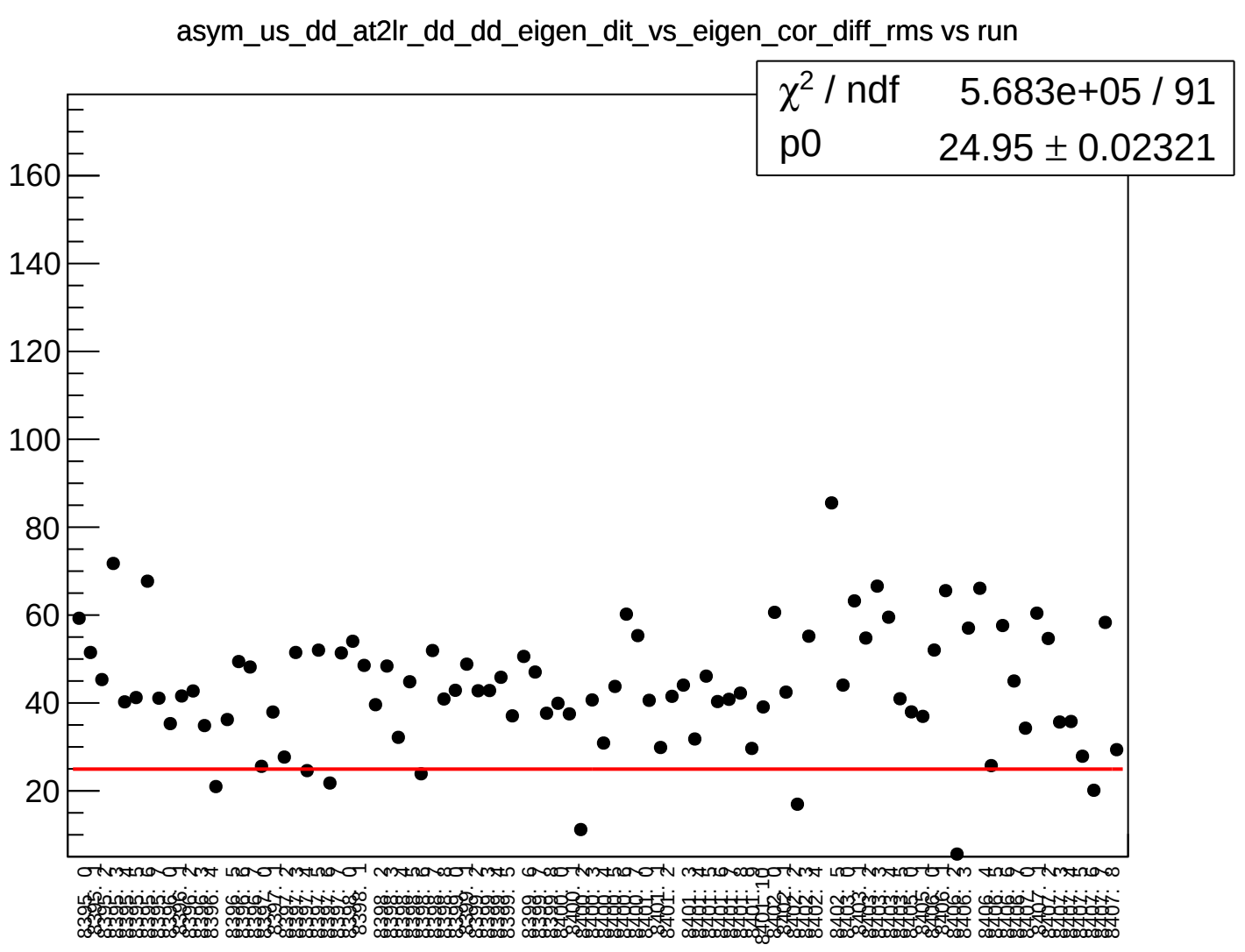

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.24 / 91
p0 −0.003899 ± 0.03283
pull
Entries 92
Mean 10.86
Std Dev 0

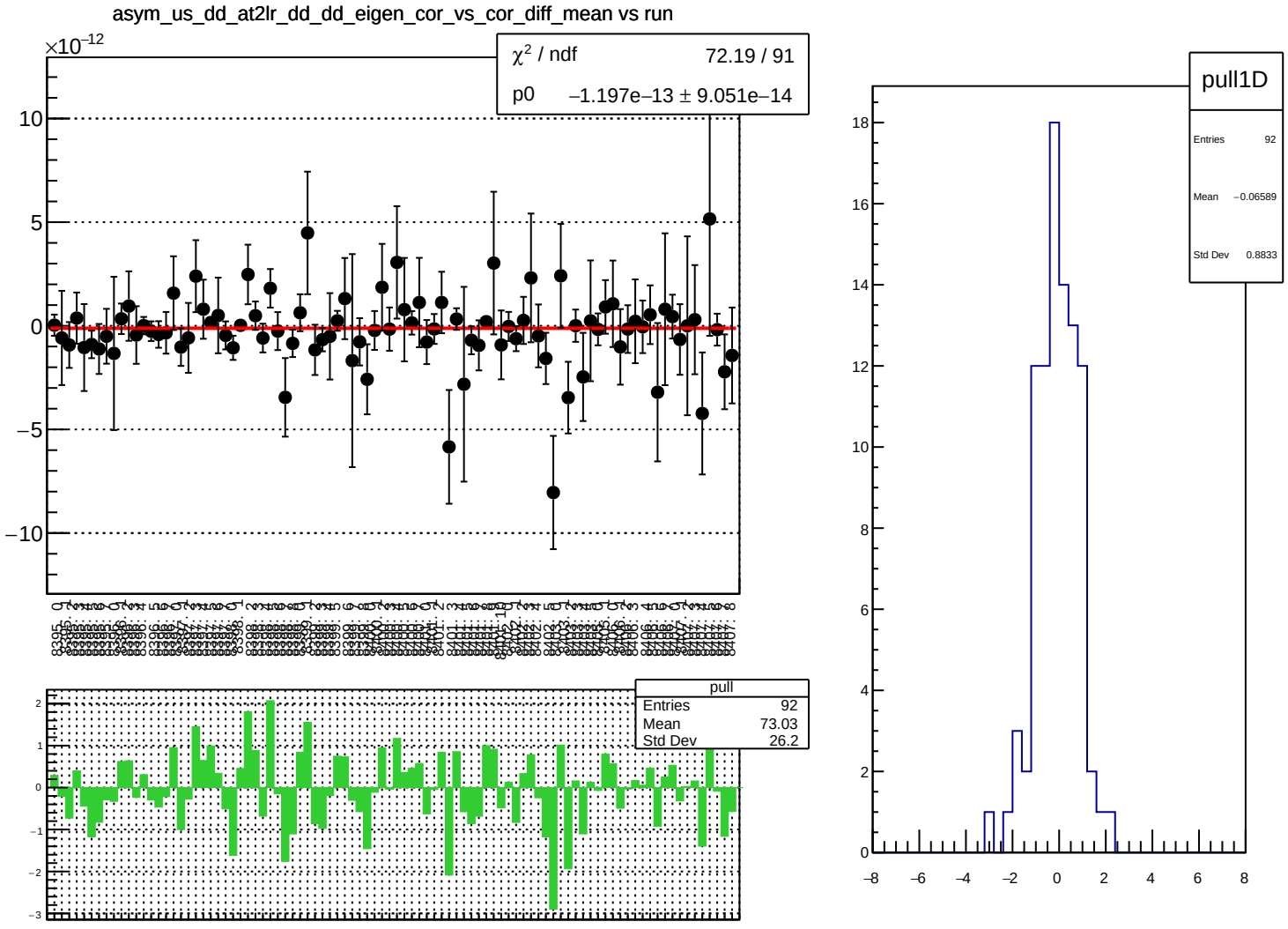

pull1D
Entries 92
Mean −0.08748
Std Dev 0.9414

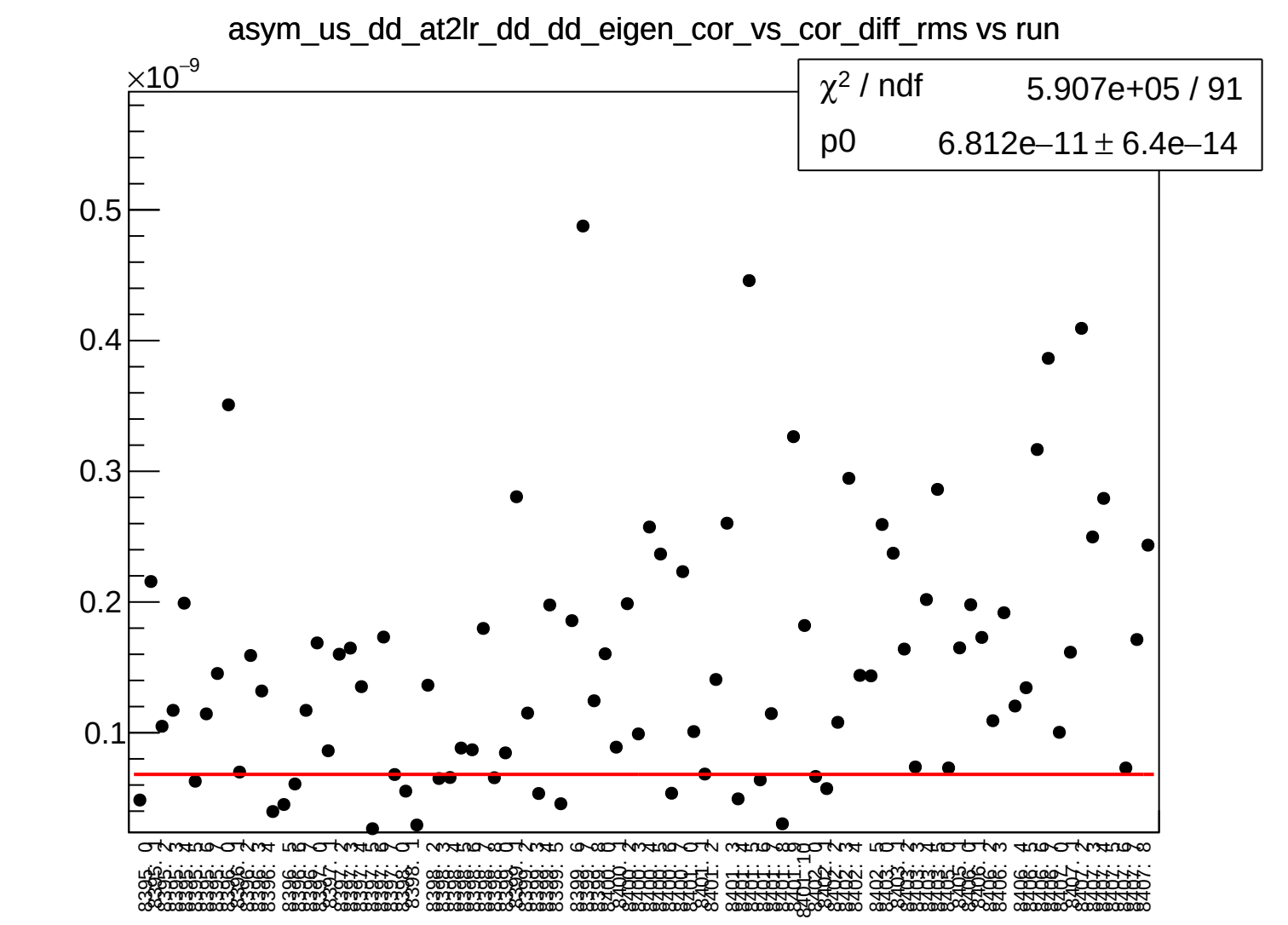

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.683e+05 / 91
p0 24.95 ± 0.02321
160
140
120
100
80
60
40
20

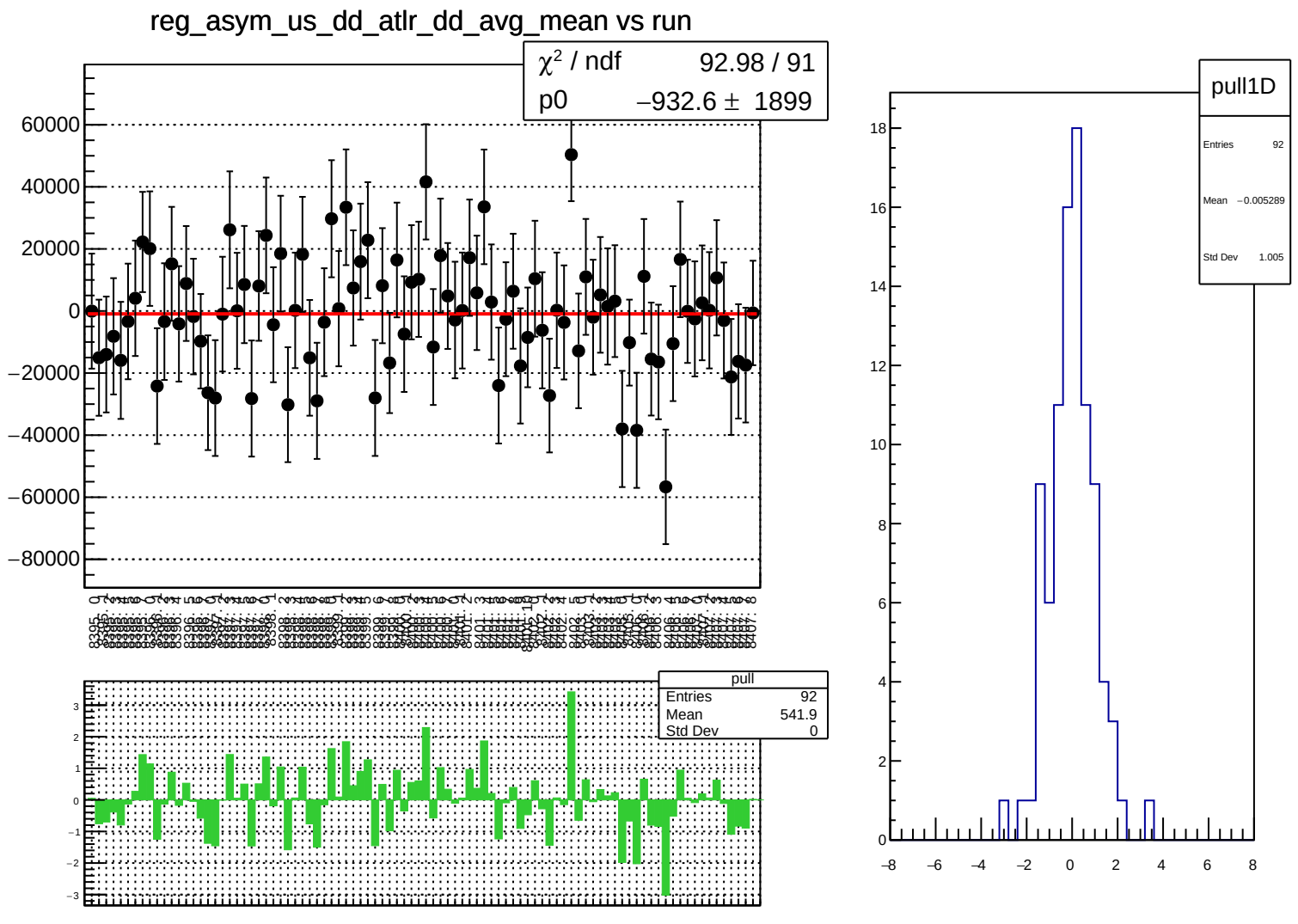

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.24 / 91
p0 −0.003899 ± 0.03283
pull
Entries 92
Mean 10.86
Std Dev 0

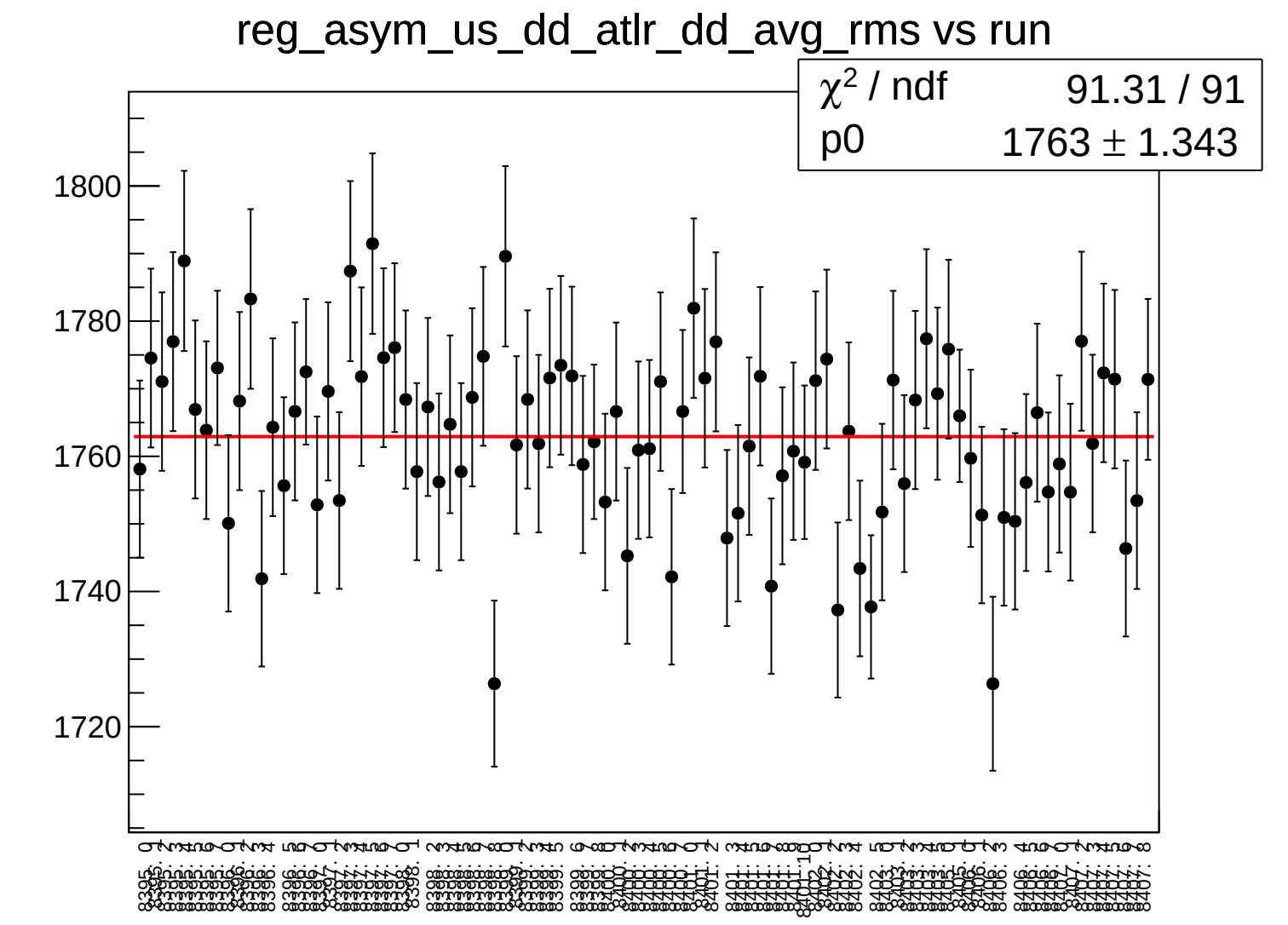

pull1D
Entries 92
Mean −0.08748
Std Dev 0.9414

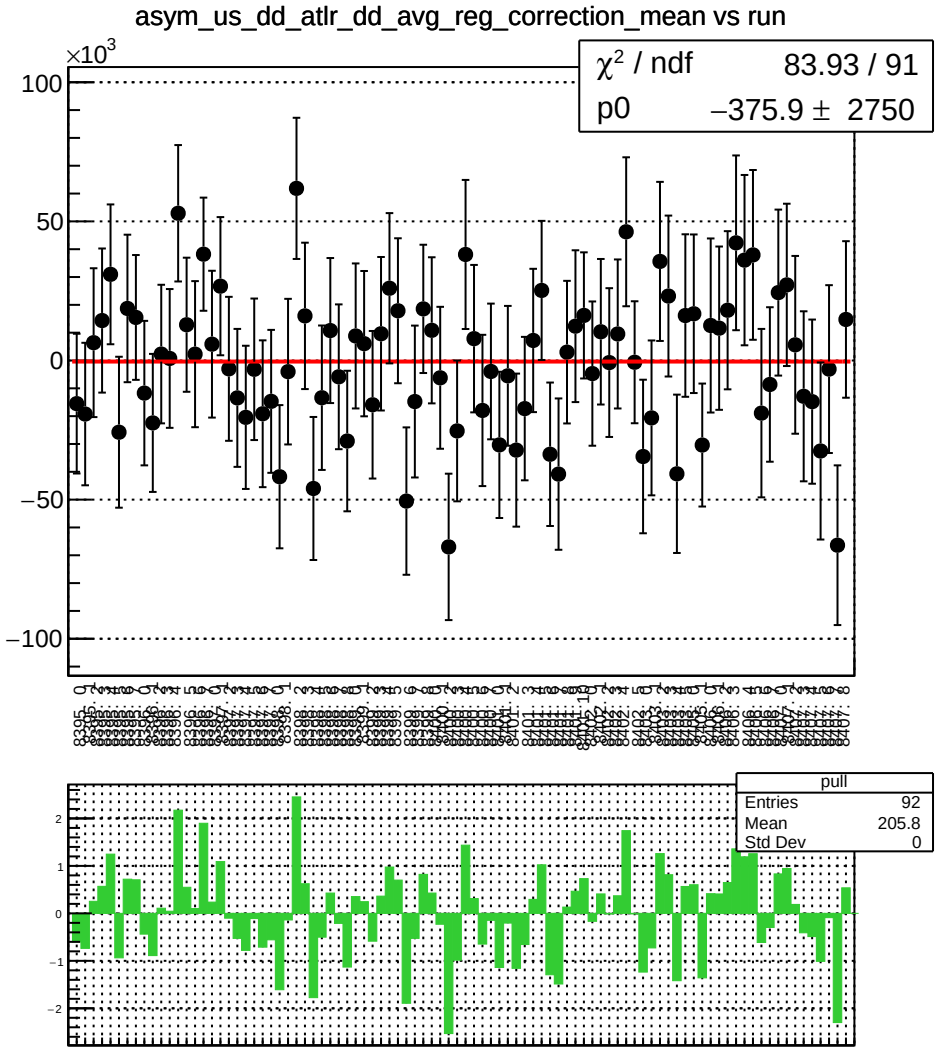

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.683e+05 / 91
p0 24.95 ± 0.02321
160
140
120
100
80
60
40
20

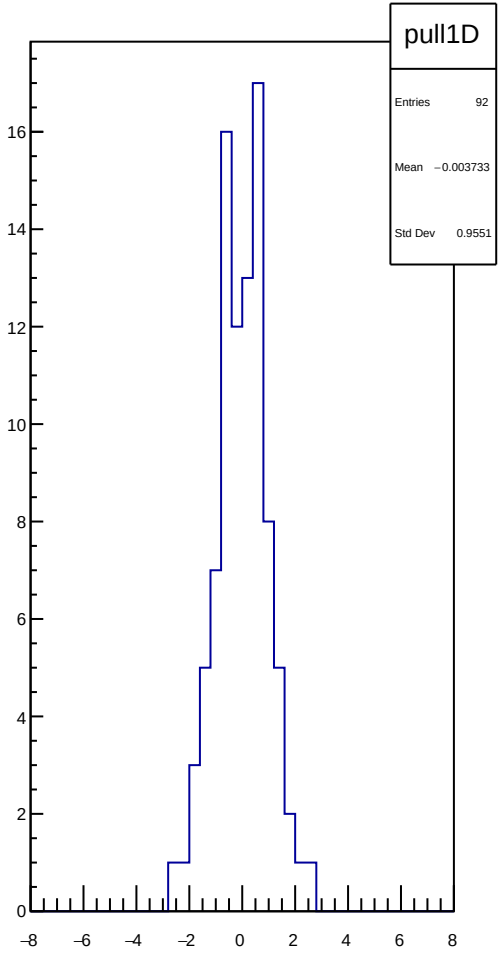

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.19 / 91
p0 −1.197e−13 ± 9.051e−14
pull
Entries 92
Mean 73.03
Std Dev 26.2
pull1D
Entries 92
Mean −0.06589
Std Dev 0.8833

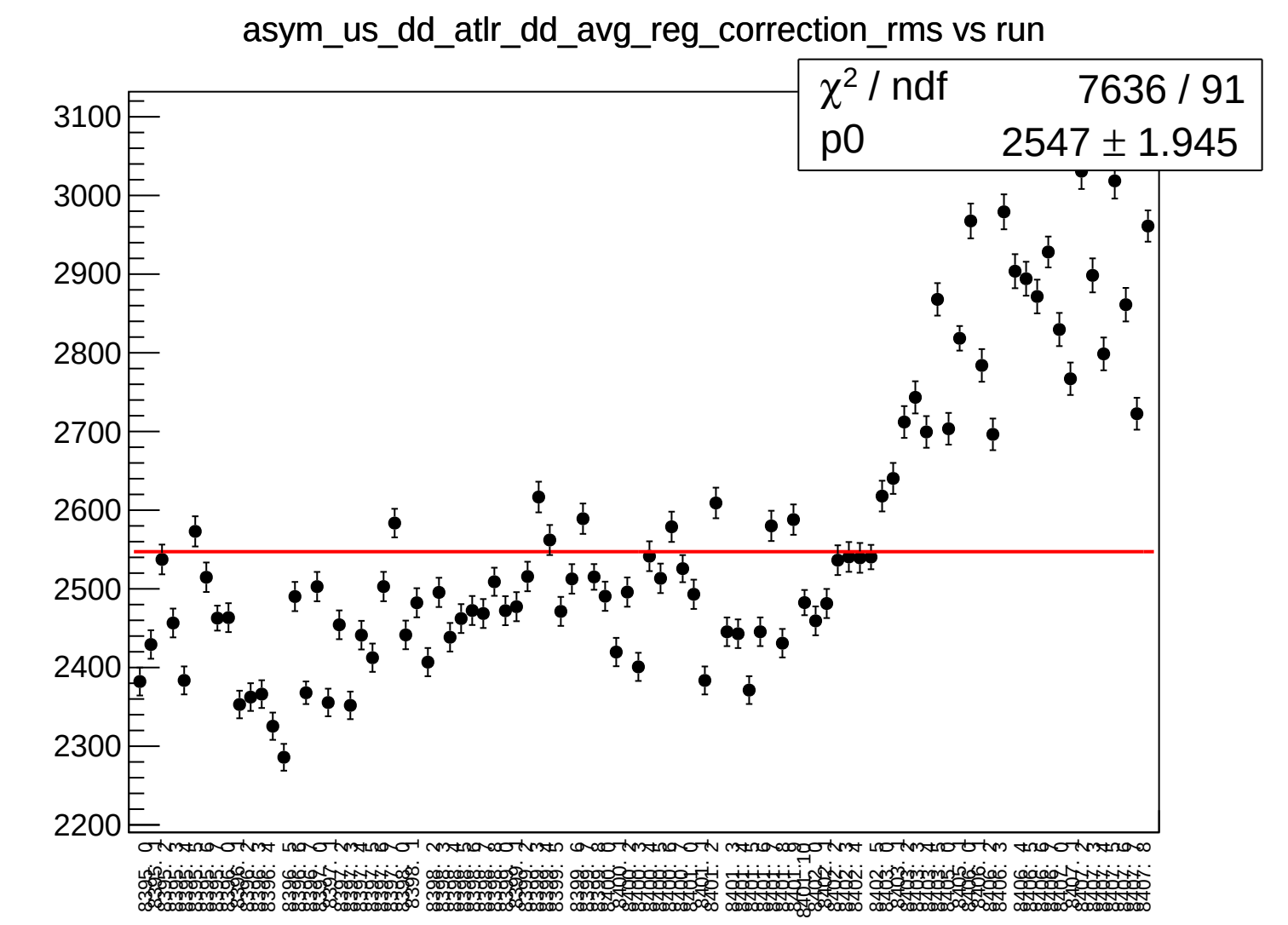

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.907e+05 / 91
p0 6.812e−11 ± 6.4e−14
0.5
0.4
0.3
0.2
0.1

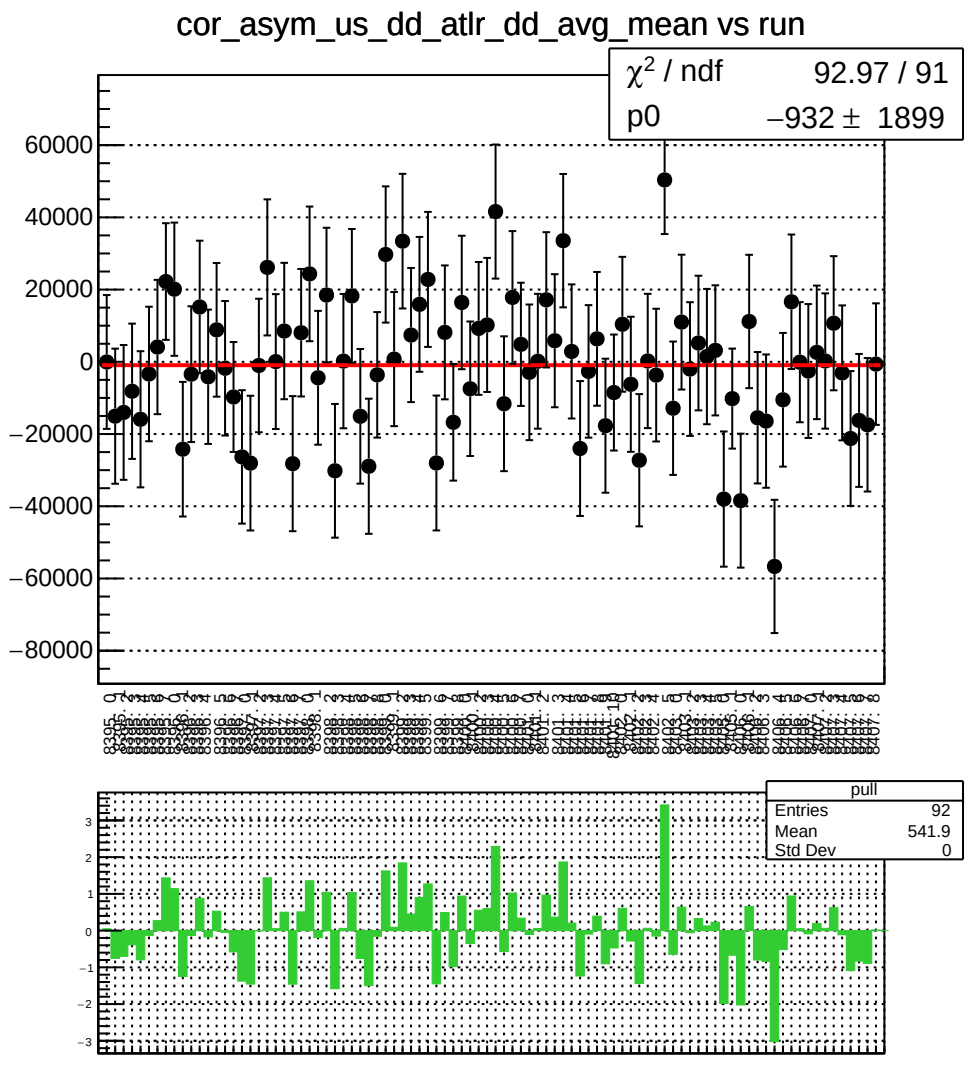

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 92.98 / 91
p0 −932.6 ± 1899
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 541.9
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.005289
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

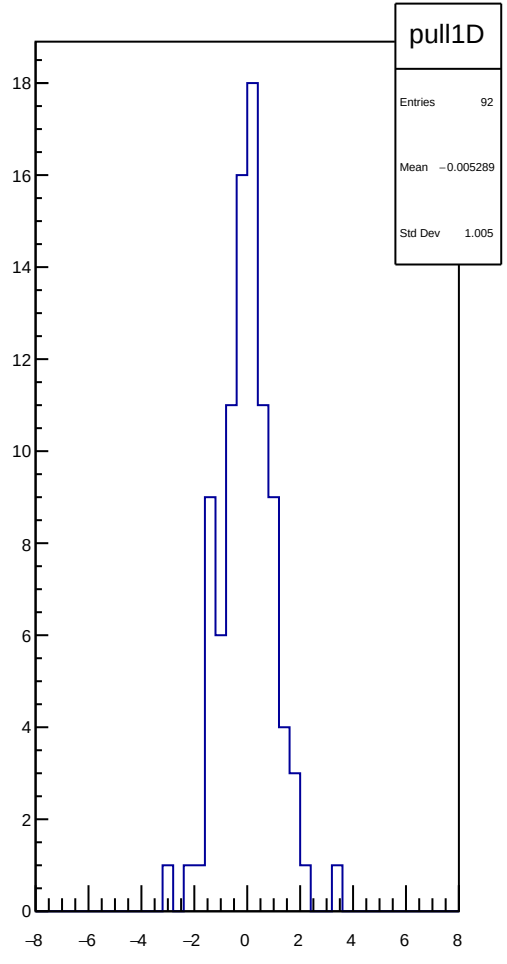

reg_asym_us_dd_atlr_dd_avg_rms vs run
$\chi^2$ / ndf 91.31 / 91
p0 1763 ± 1.343
1800
1780
1760
1740
1720

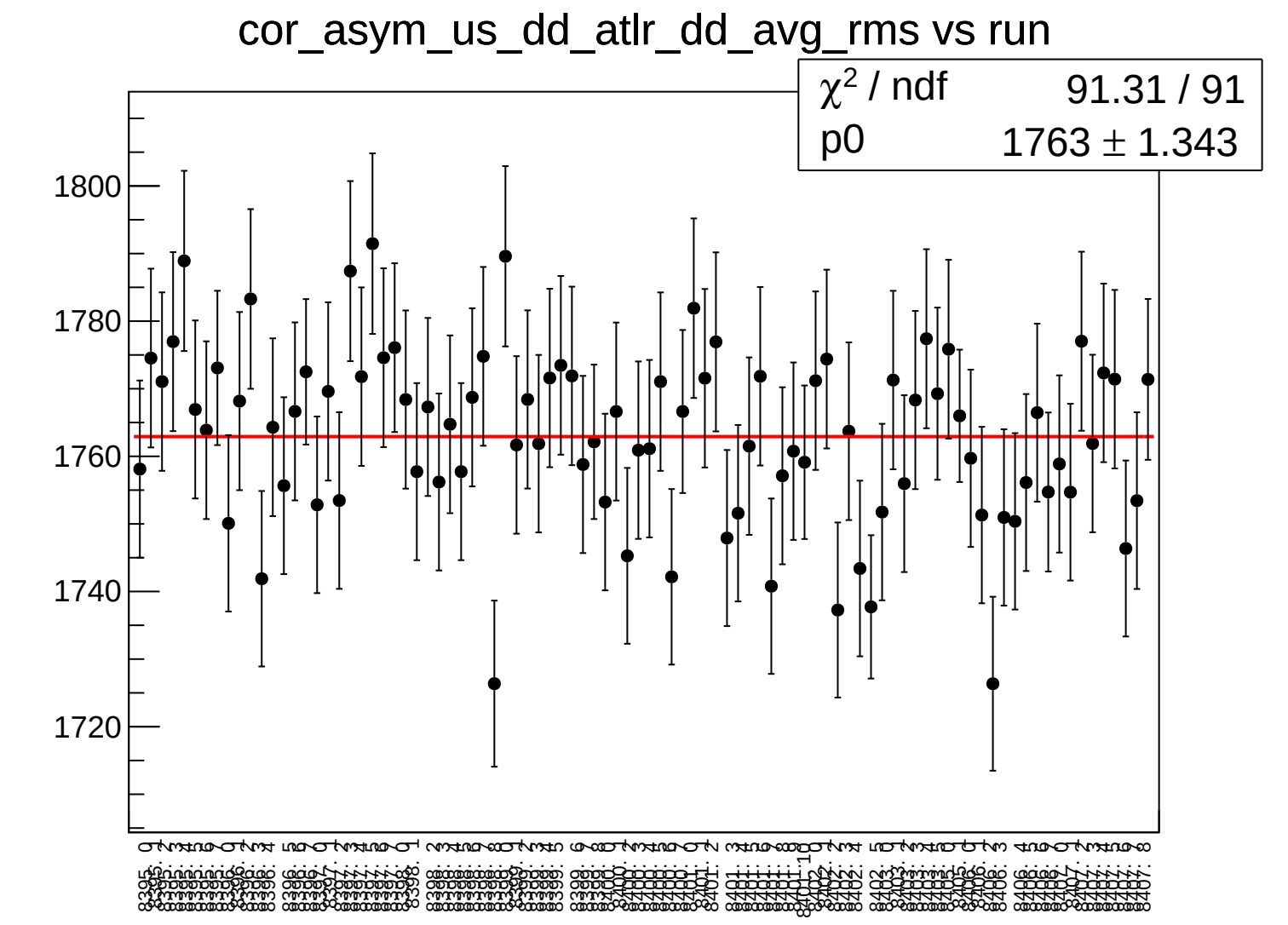

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 83.93 / 91
p0 −375.9 ± 2750
100
50
0
−50
−100
pull
Entries 92
Mean 205.8
Std Dev 0
2
1
0
−1
−2

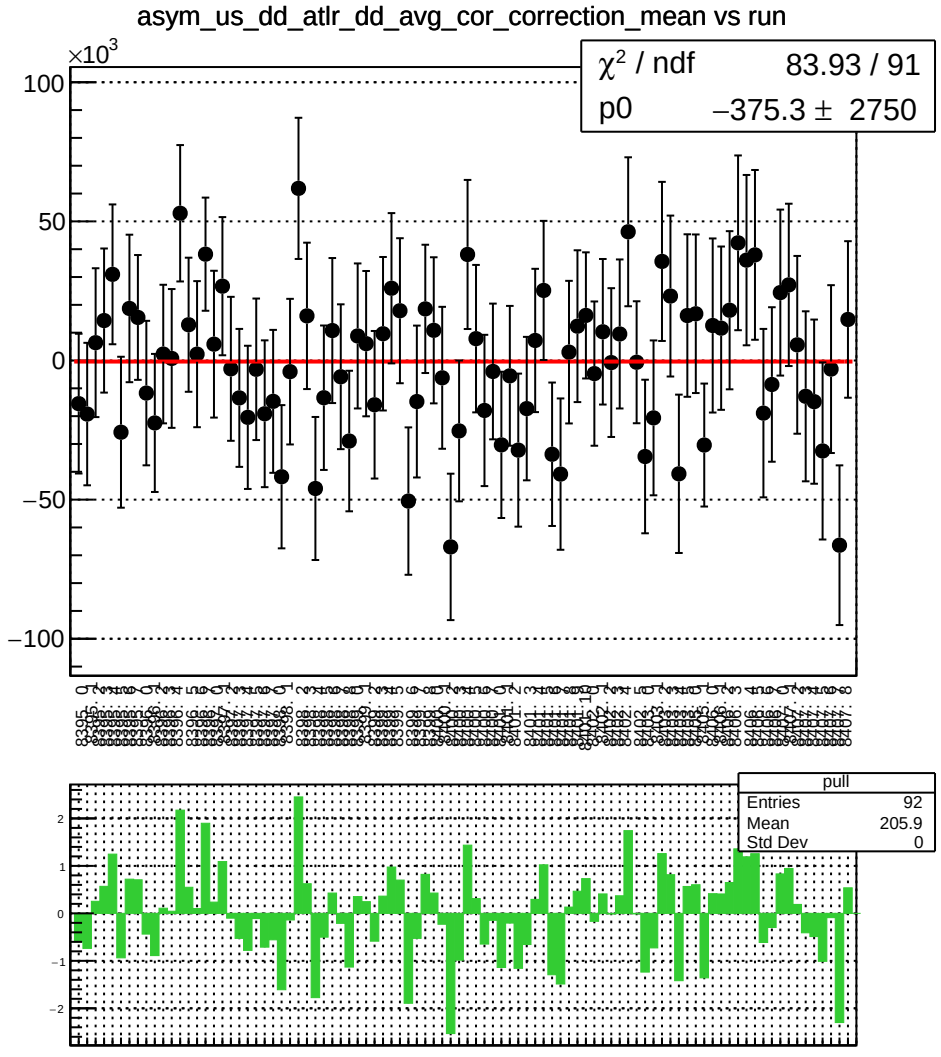

pull1D
Entries 92
Mean −0.003733
Std Dev 0.9551
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

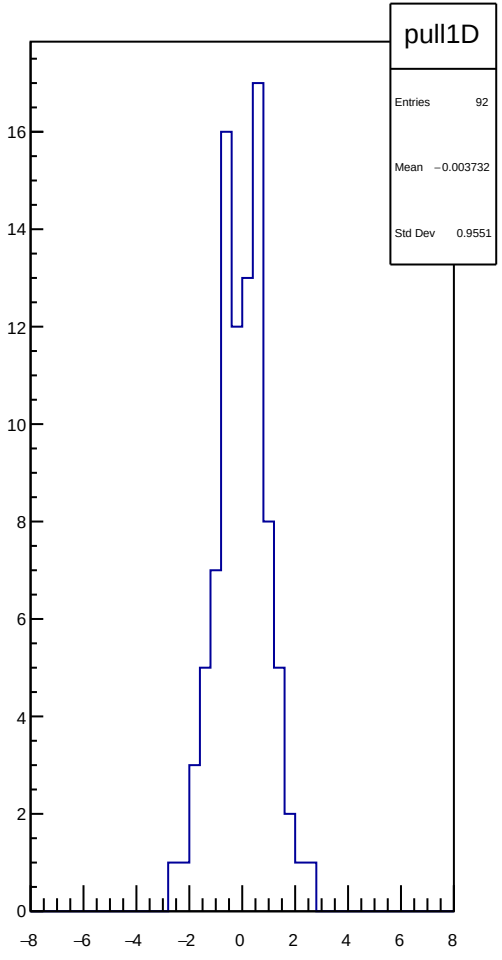

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 7636 / 91
p0 2547 ± 1.945
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

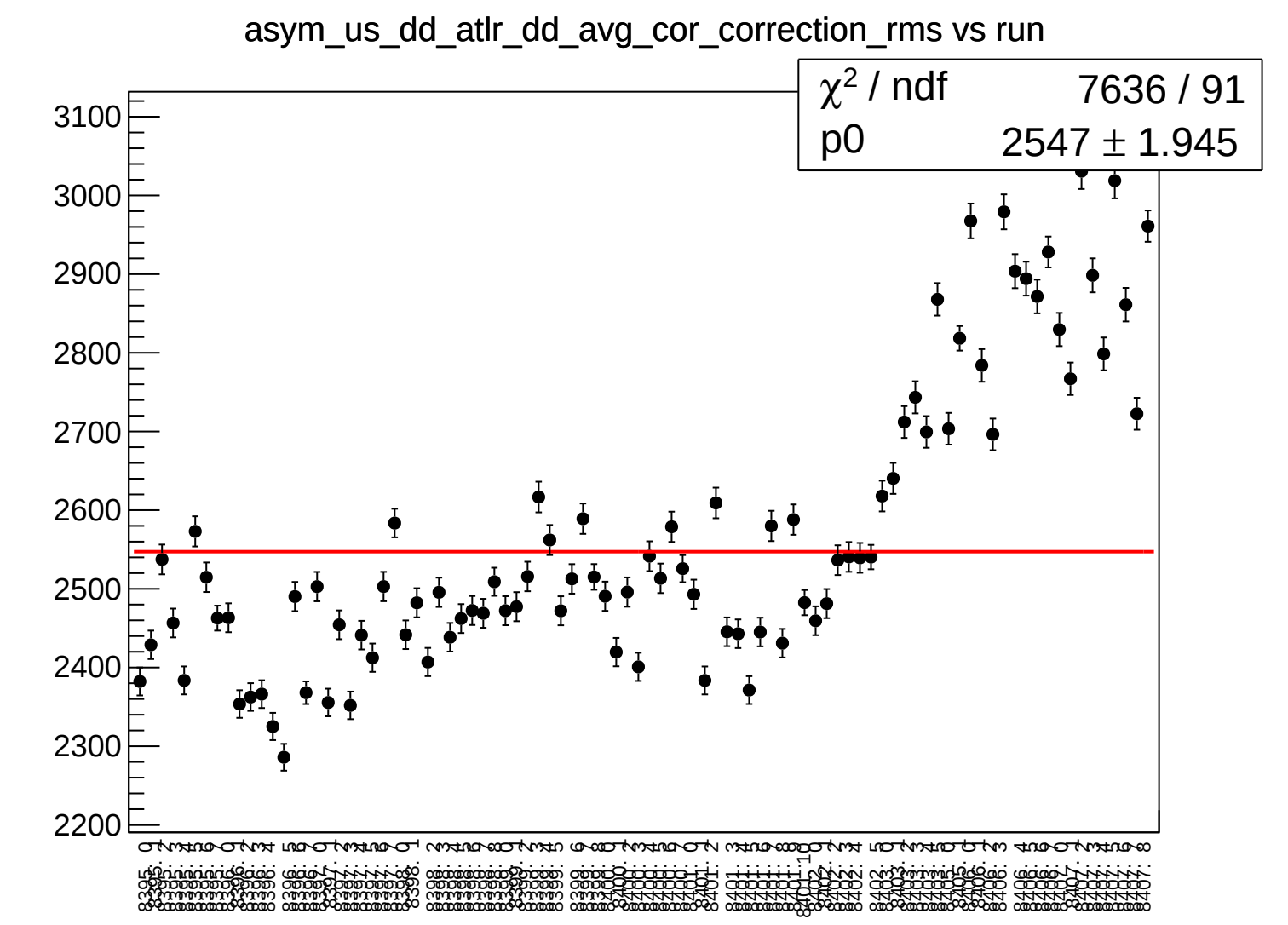

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 92.97 / 91
p0 −932 ± 1899
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 541.9
Std Dev 0
3
2
1
0
−1
−2
−3

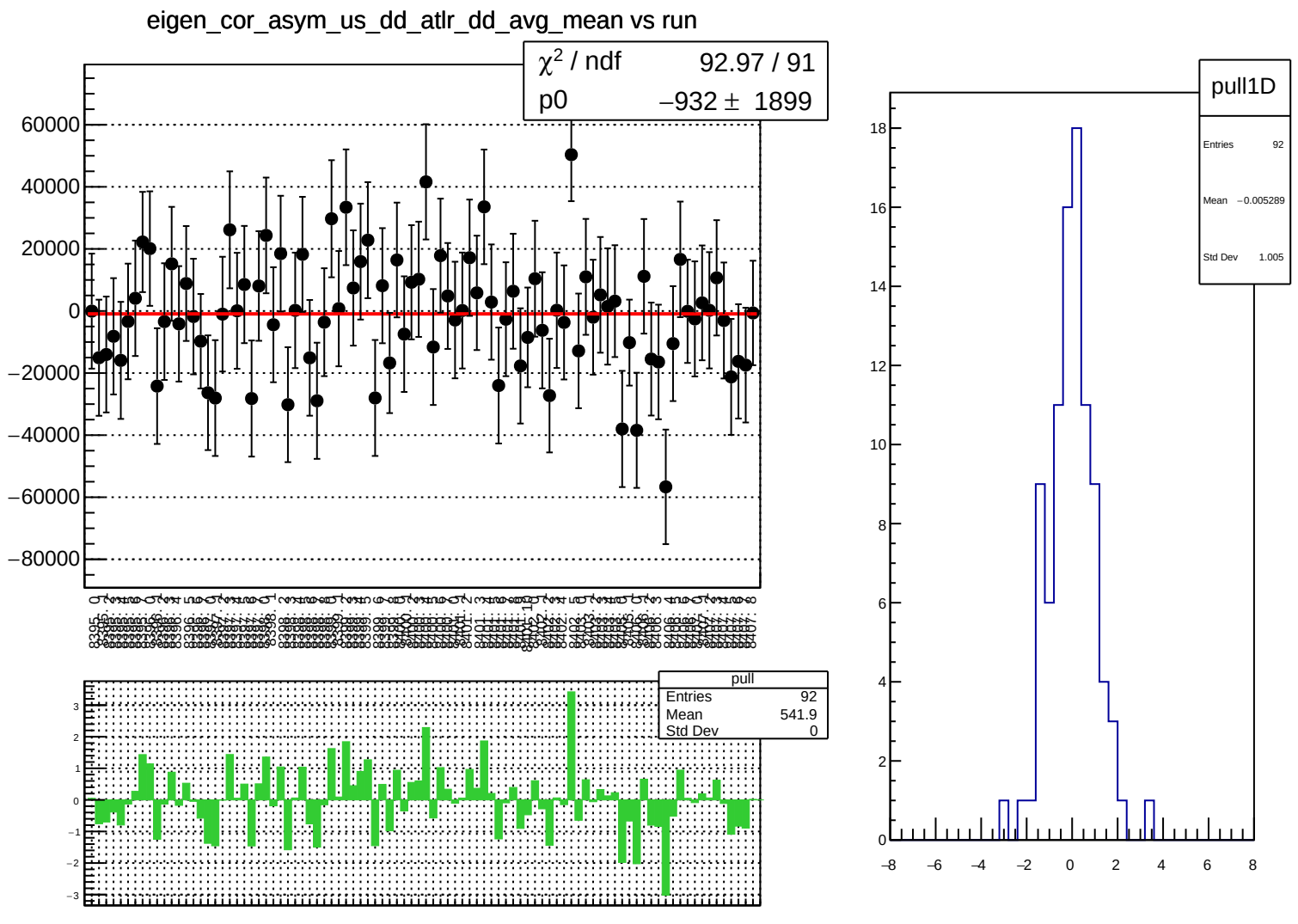

pull1D
Entries 92
Mean −0.005289
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

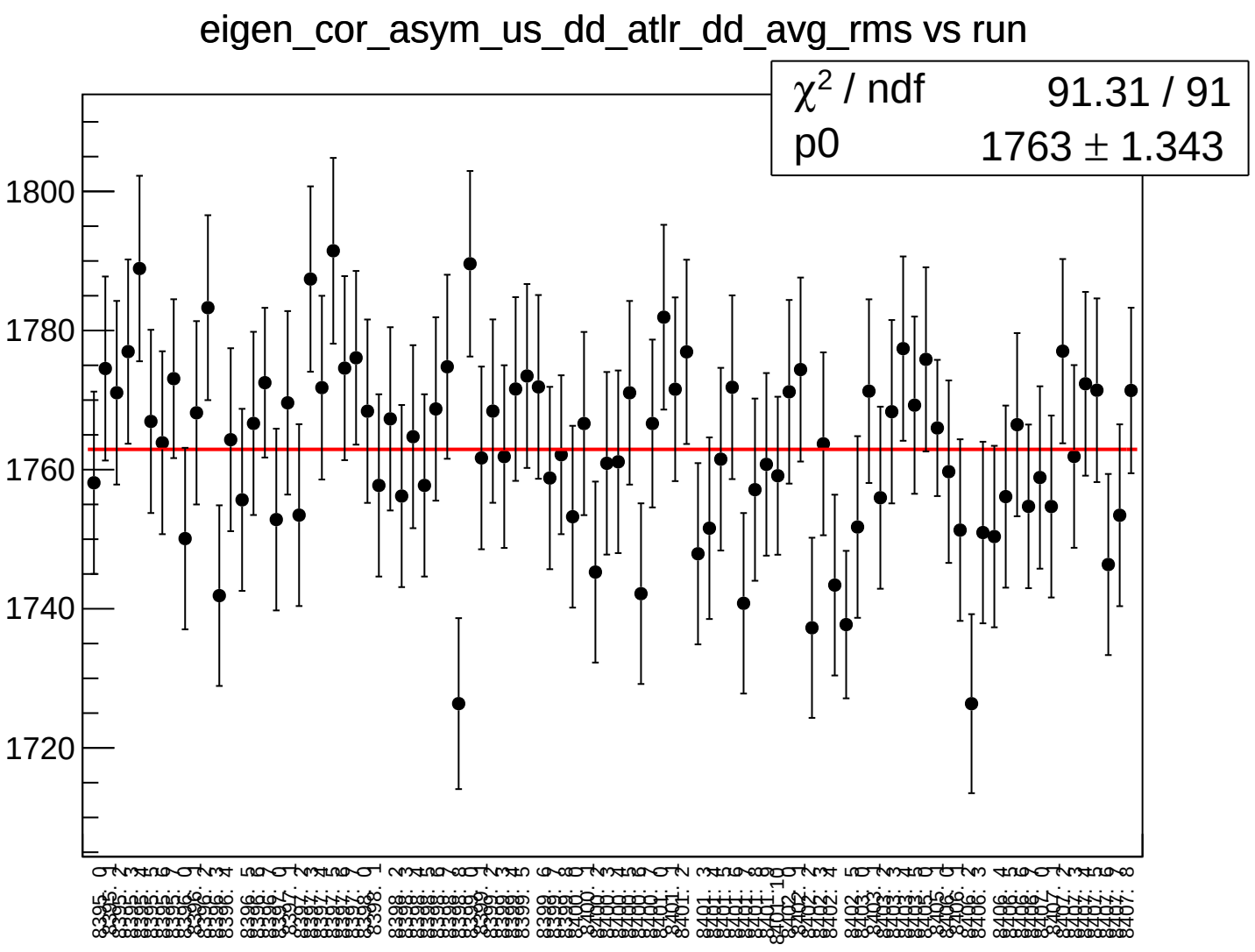

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 91.31 / 91
p0 1763 ± 1.343
1800
1780
1760
1740
1720

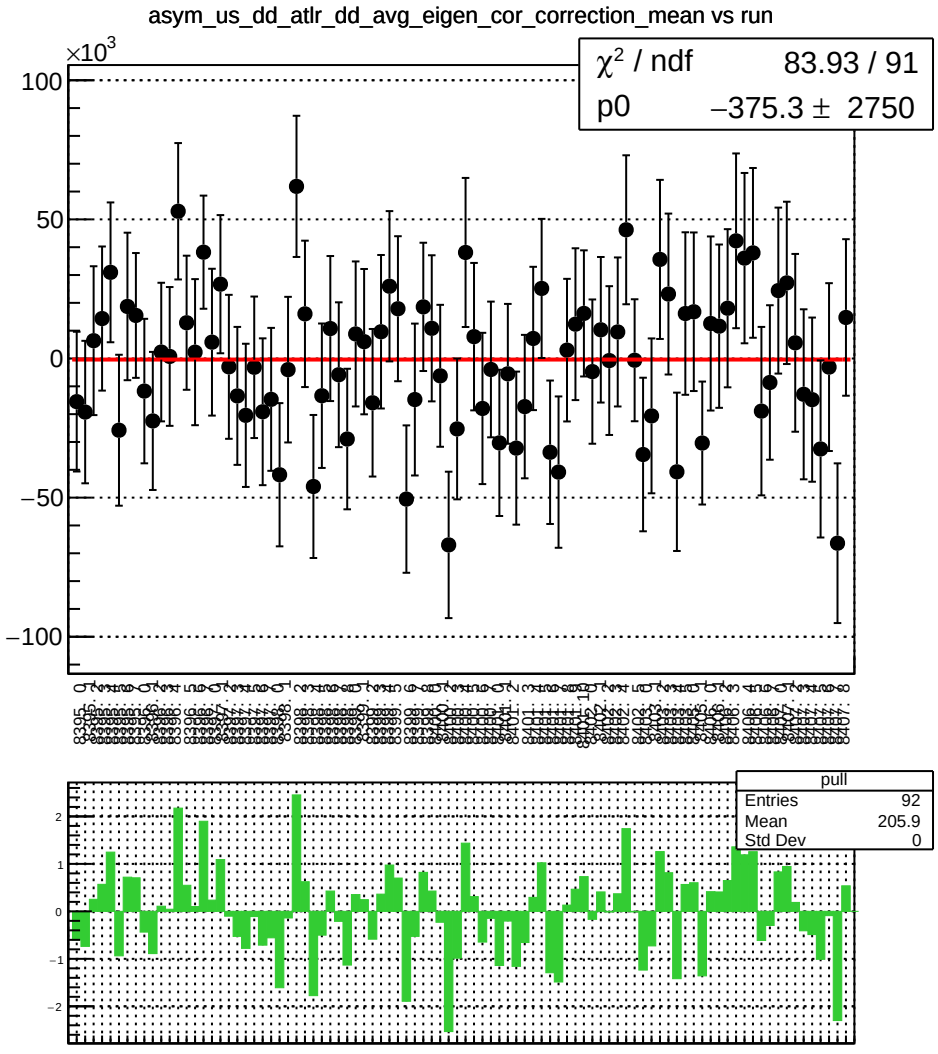

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 83.93 / 91
p0 −375.3 ± 2750
100
50
0
−50
−100
pull
Entries 92
Mean 205.9
Std Dev 0
2
1
0
−1
−2

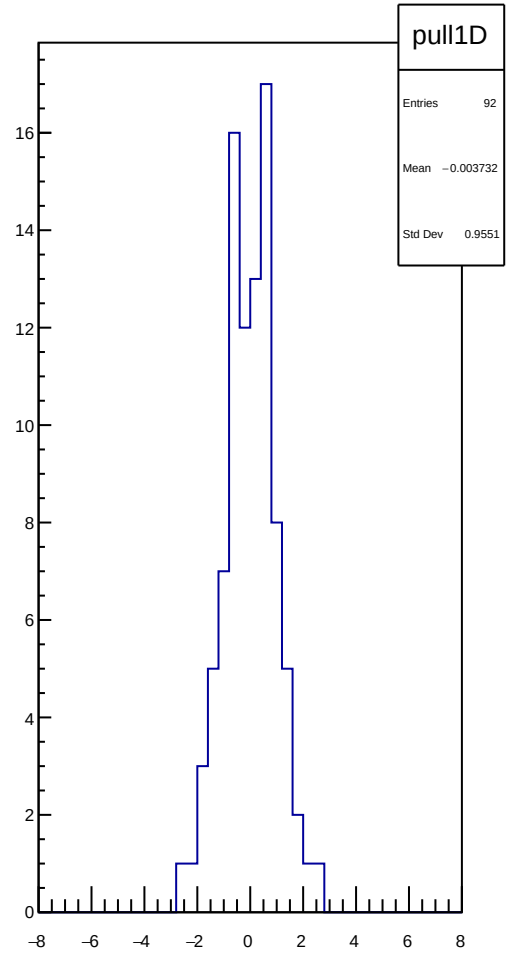

pull1D
Entries 92
Mean −0.003732
Std Dev 0.9551
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

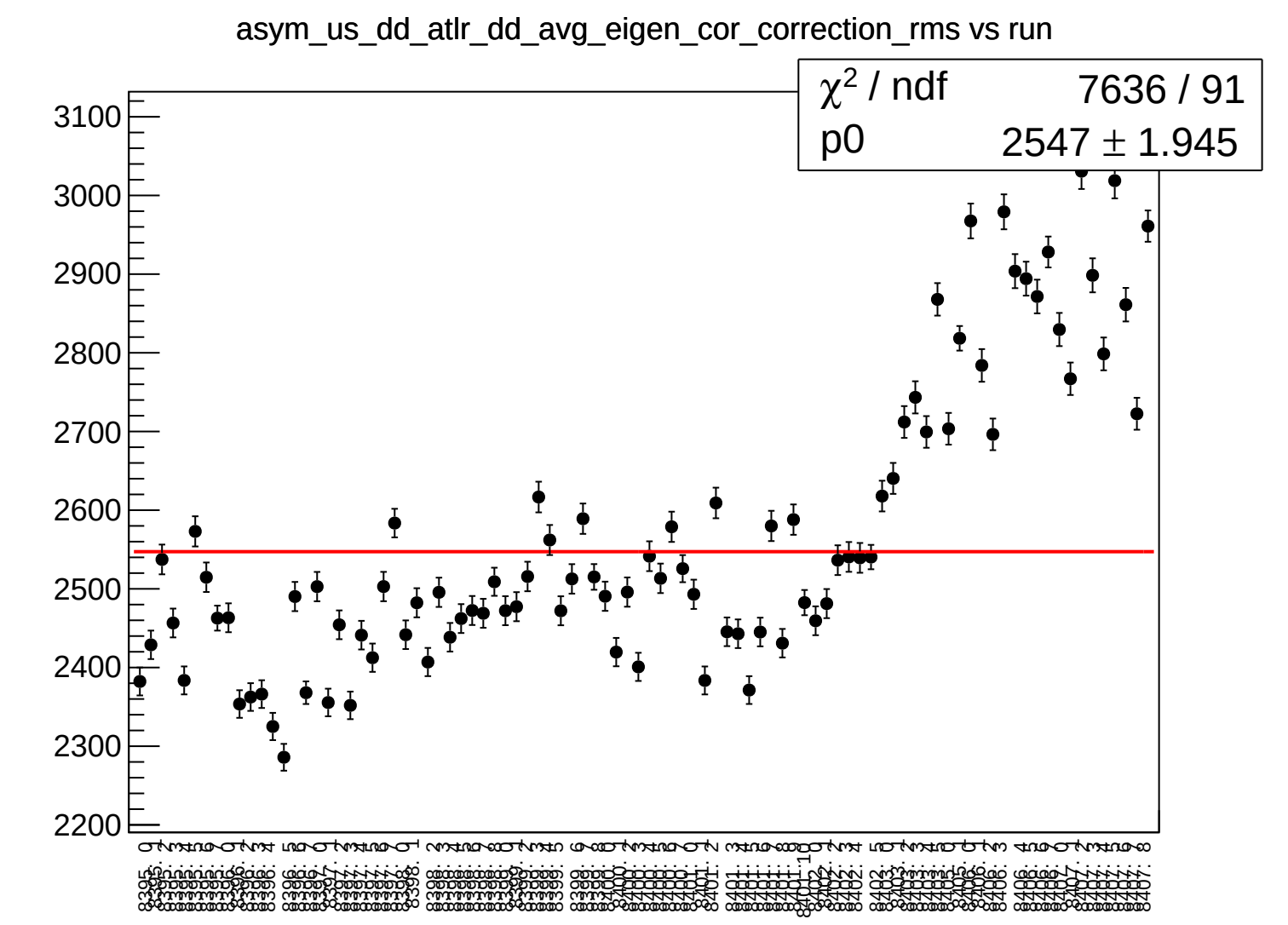

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 7636 / 91
p0 2547 ± 1.945
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

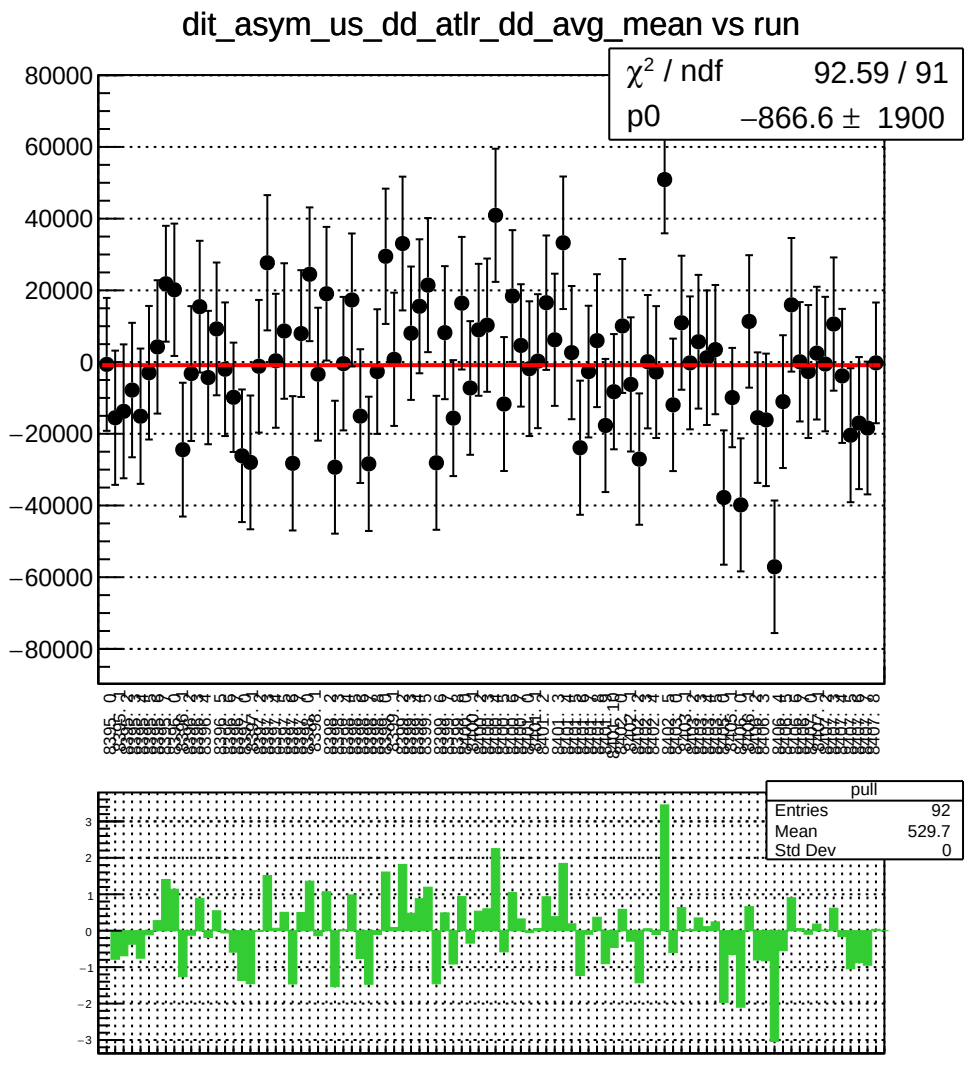

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 92.97 / 91
p0 −932 ± 1899
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 541.9
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.005289
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

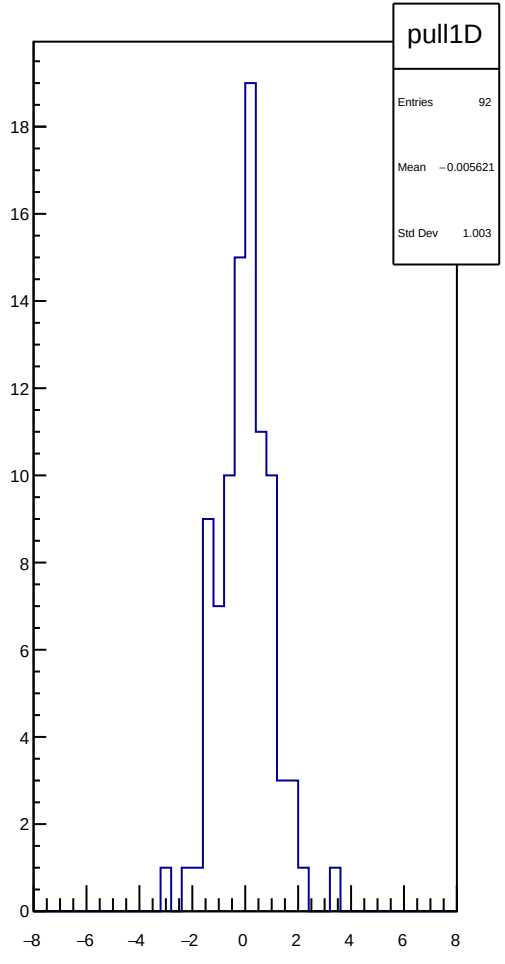

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 91.31 / 91
p0 1763 ± 1.343
1800
1780
1760
1740
1720

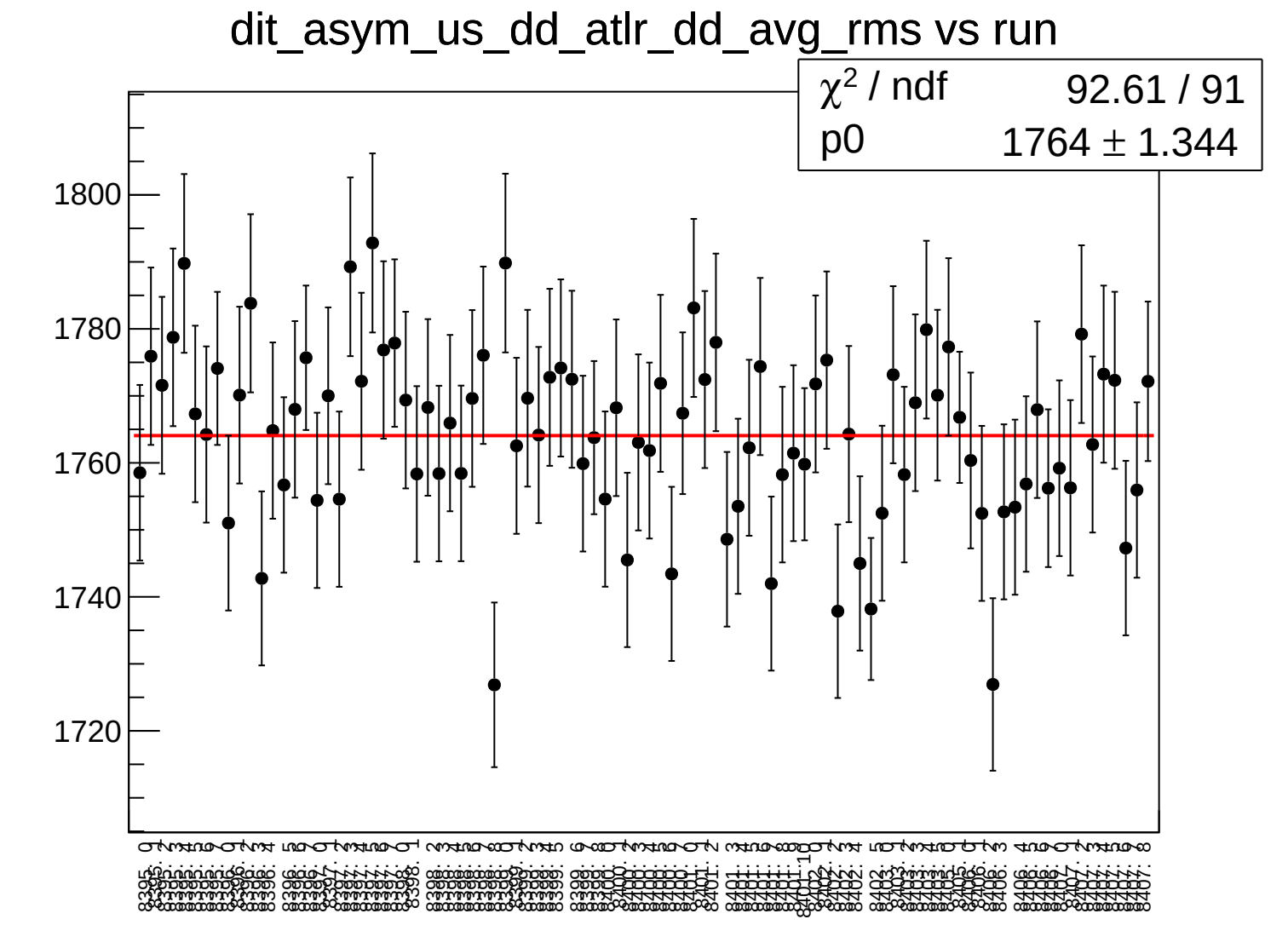

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 83.93 / 91
p0 −375.3 ± 2750
pull
Entries 92
Mean 205.9
Std Dev 0

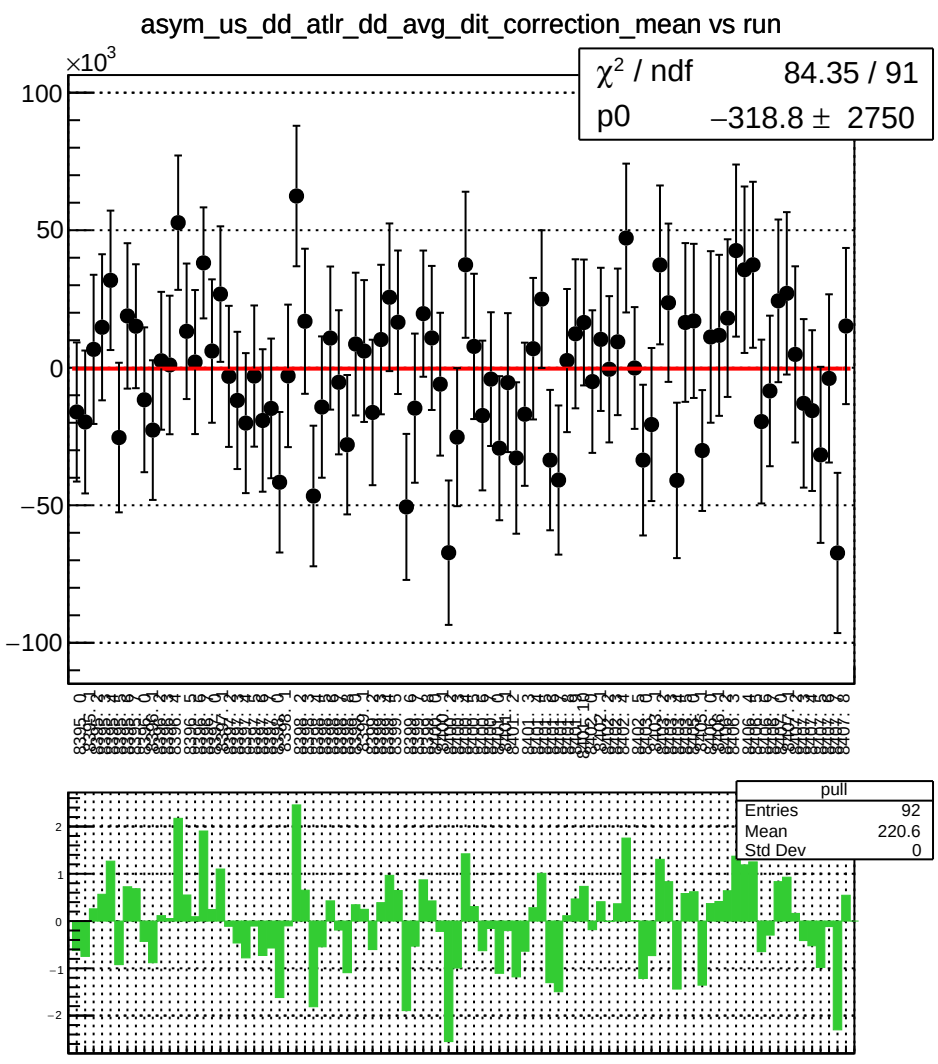

pull1D
Entries 92
Mean −0.003732
Std Dev 0.9551

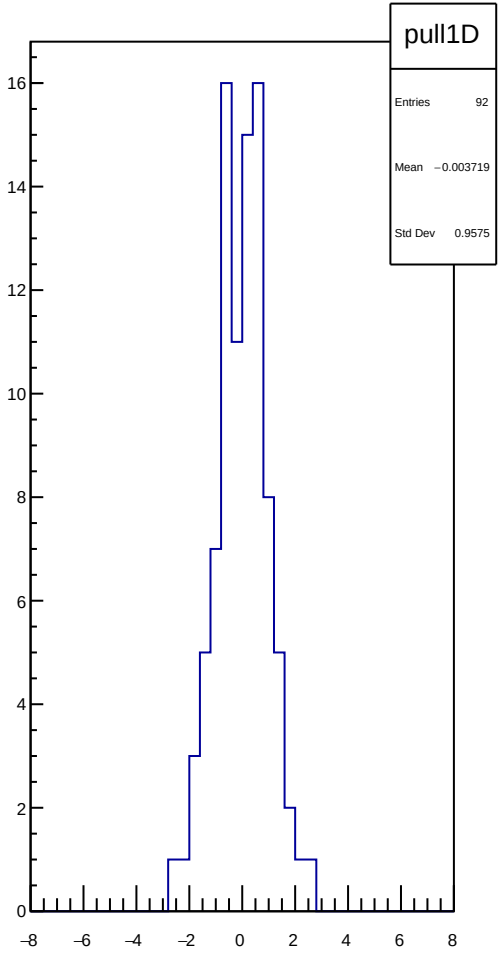

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7636 / 91
p0 2547 ± 1.945
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200

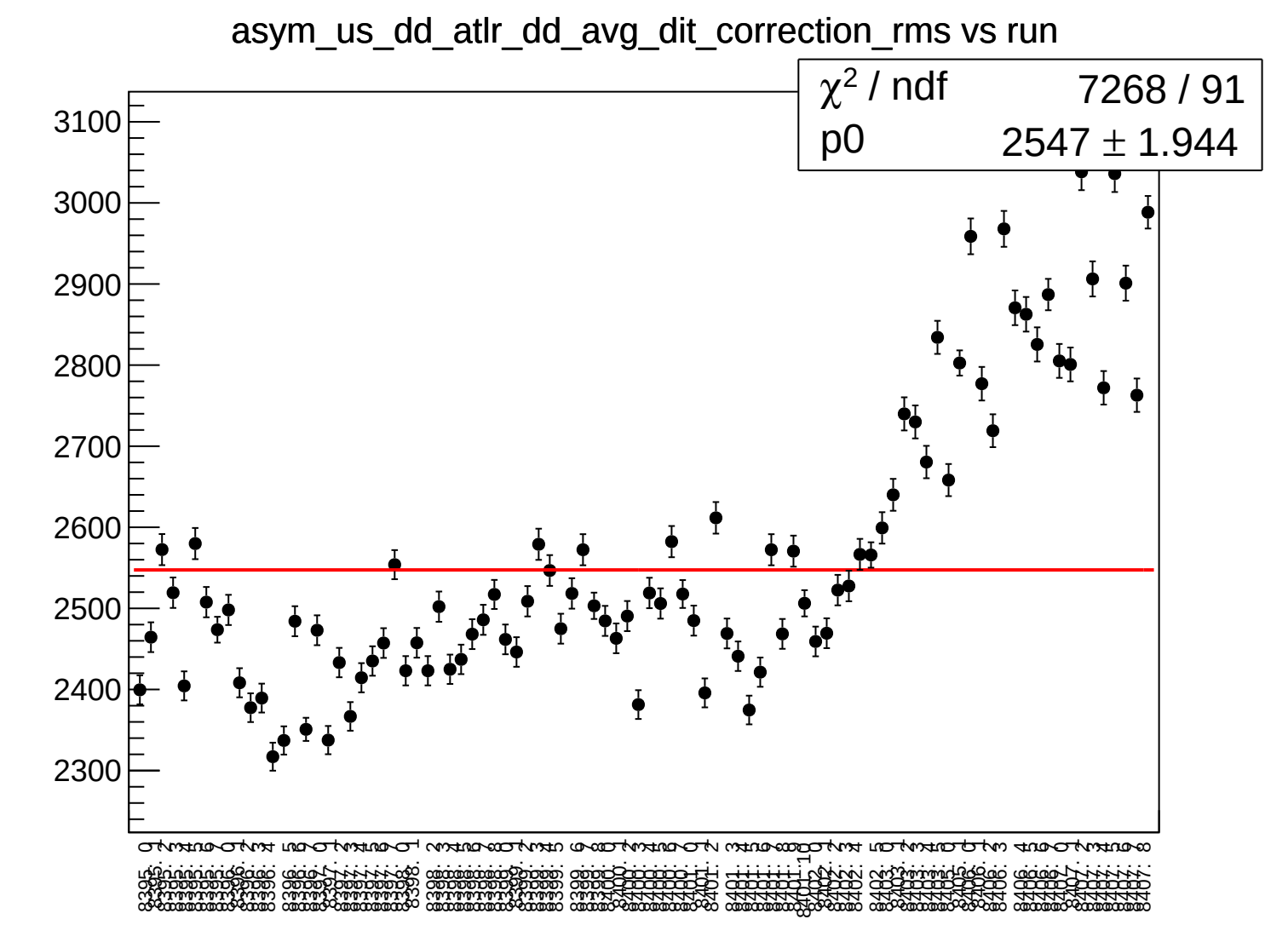

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 92.59 / 91
p0 −866.6 ± 1900
pull
Entries 92
Mean 529.7
Std Dev 0

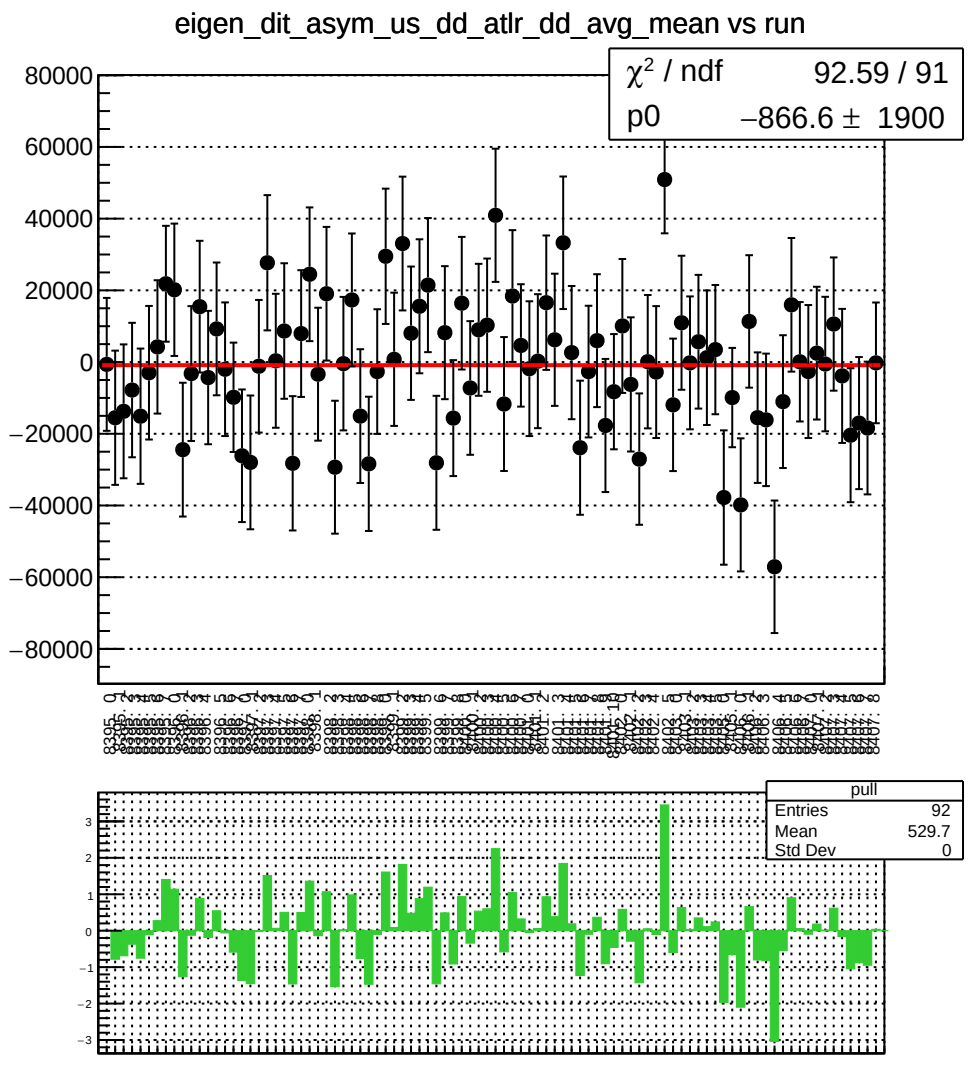

pull1D
Entries 92
Mean −0.005621
Std Dev 1.003

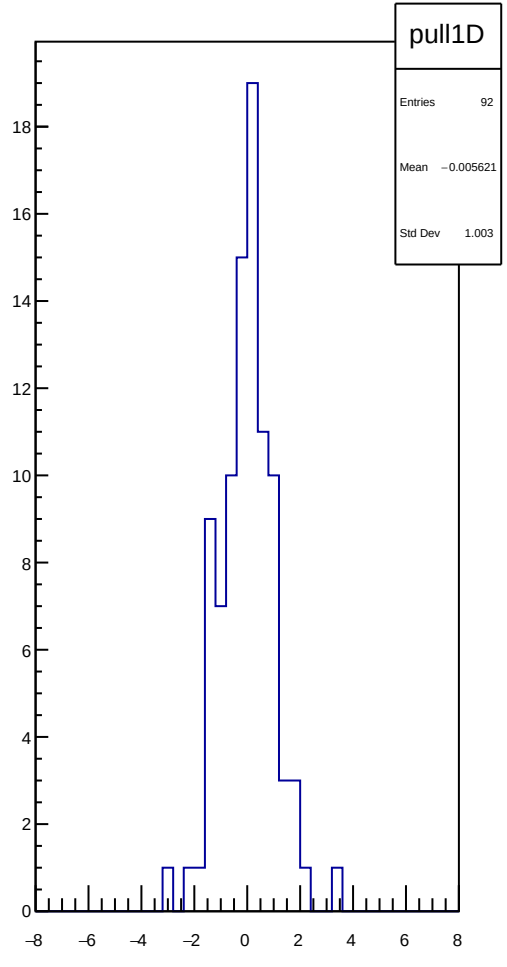

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 92.61 / 91
p0 1764 ± 1.344
1800
1780
1760
1740
1720

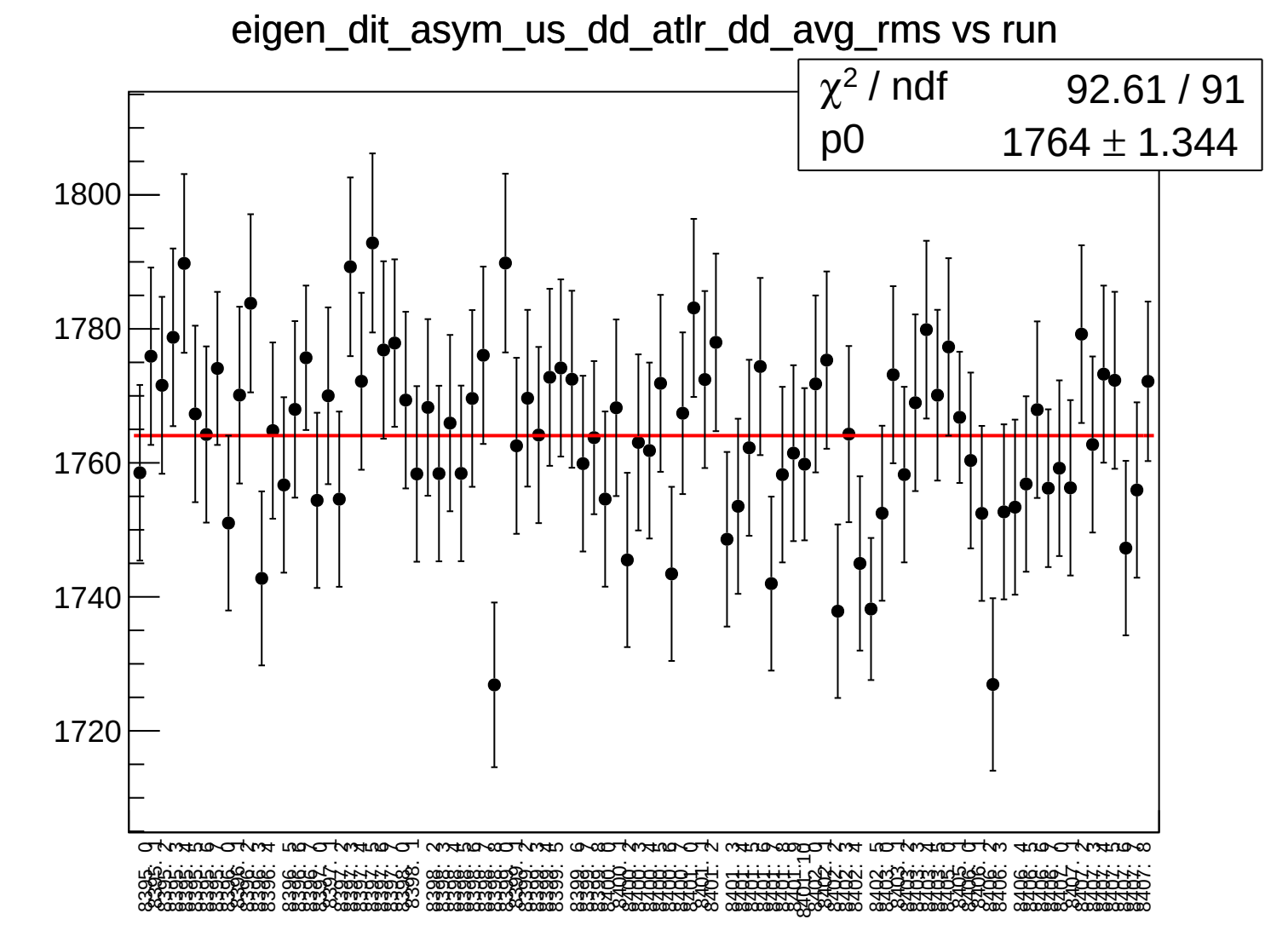

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 84.35 / 91
p0 −318.8 ± 2750
pull
Entries 92
Mean 220.6
Std Dev 0

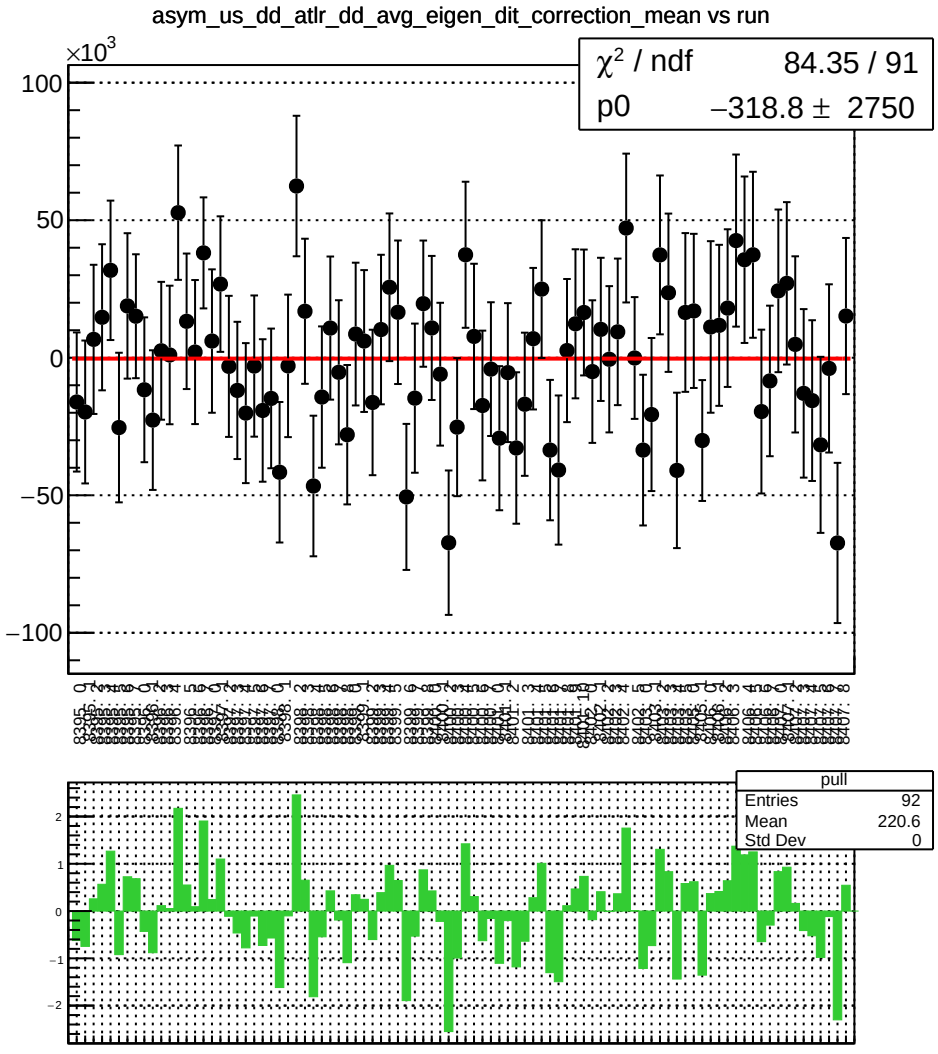

pull1D
Entries 92
Mean −0.003719
Std Dev 0.9575

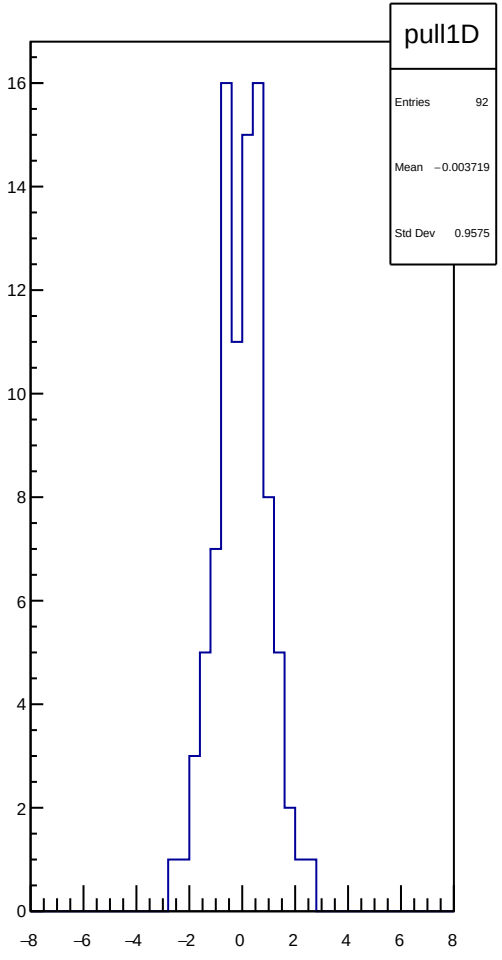

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 7268 / 91
p0 2547 ± 1.944
3100
3000
2900
2800
2700
2600
2500
2400
2300

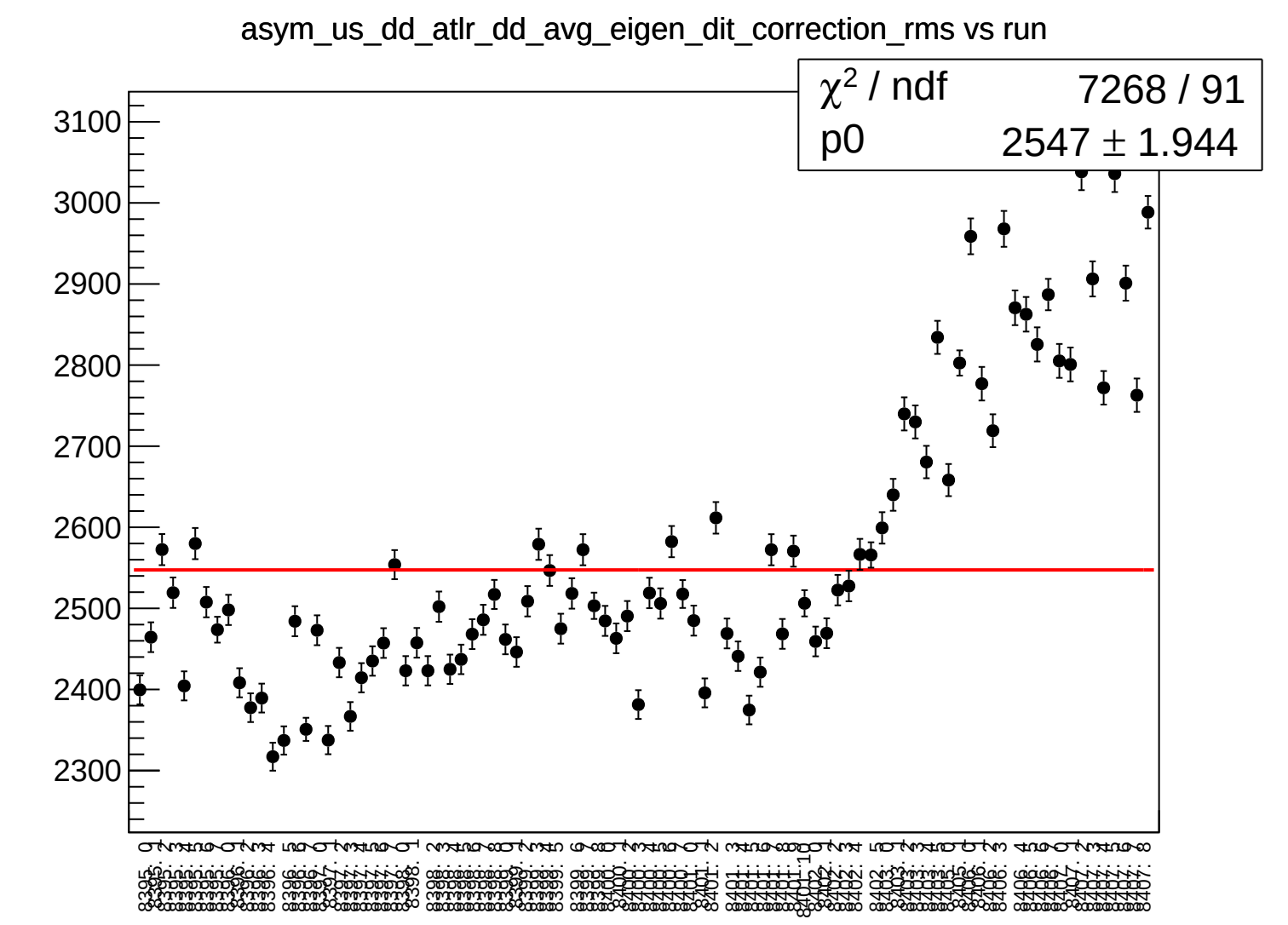

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 92.59 / 91
p0 −866.6 ± 1900
pull
Entries 92
Mean 529.7
Std Dev 0

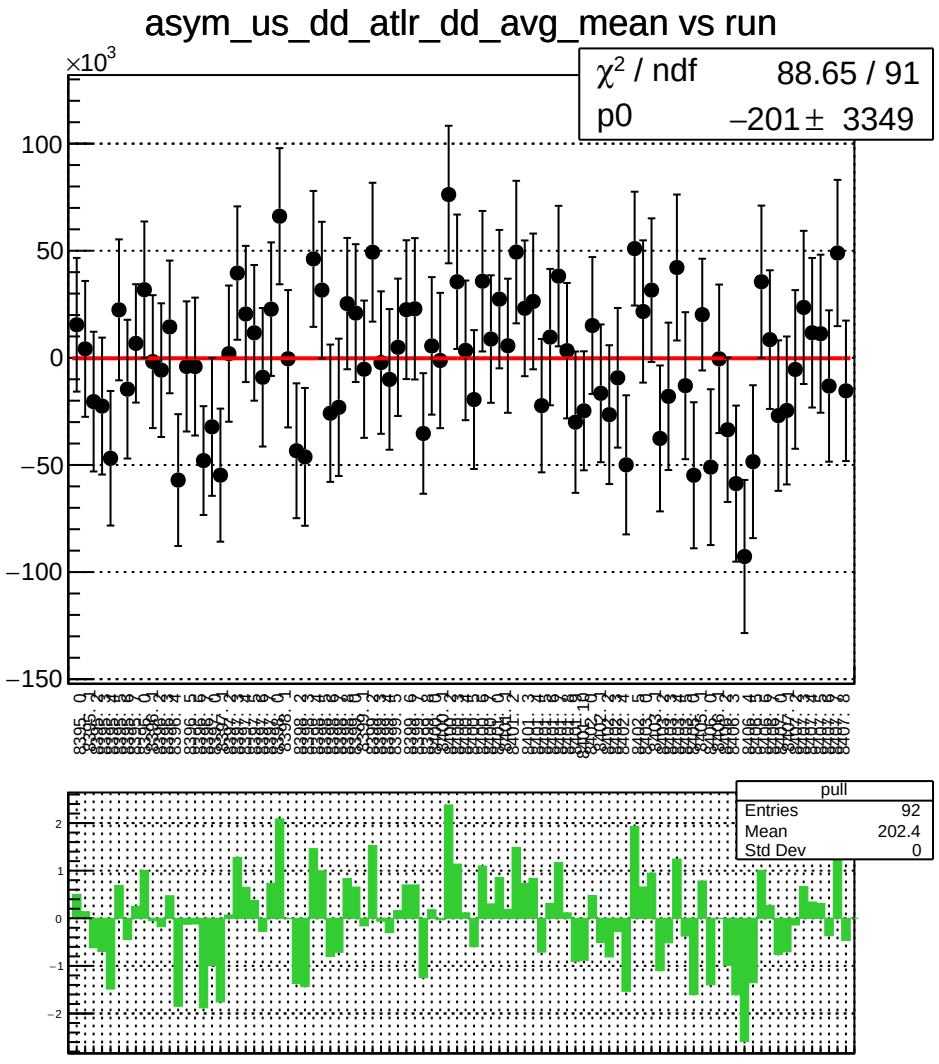

pull1D
Entries 92
Mean −0.005621
Std Dev 1.003

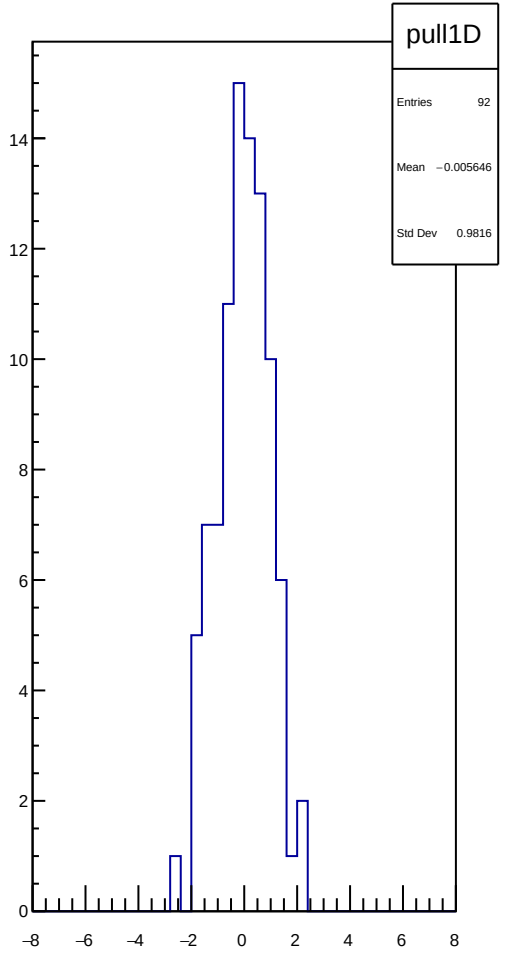

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
$\chi^2$ / ndf 92.61 / 91
p0 1764 ± 1.344
1800
1780
1760
1740
1720

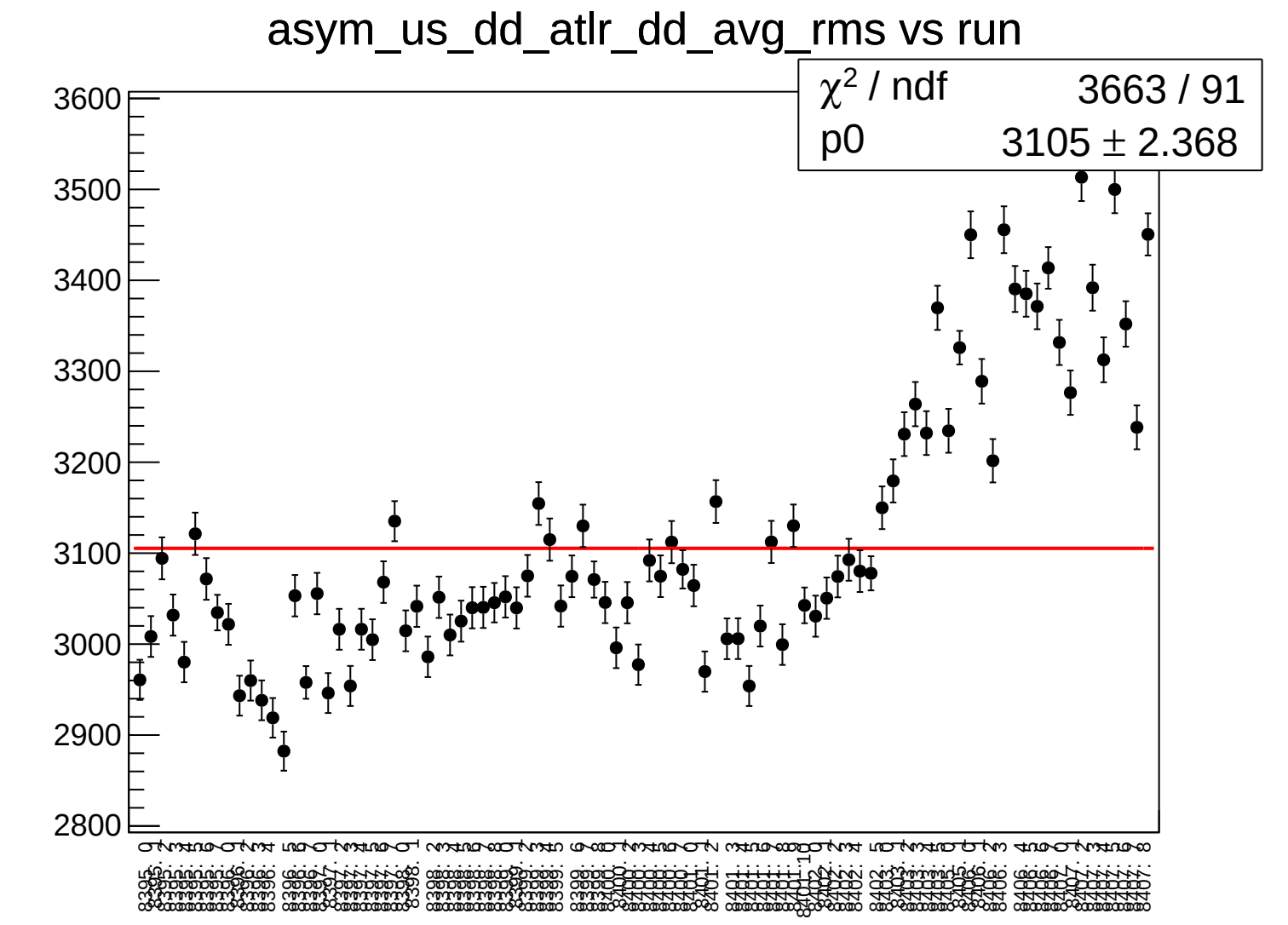

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 84.35 / 91
p0 −318.8 ± 2750
100
50
0
−50
−100
pull
Entries 92
Mean 220.6
Std Dev 0
2
1
0
−1
−2

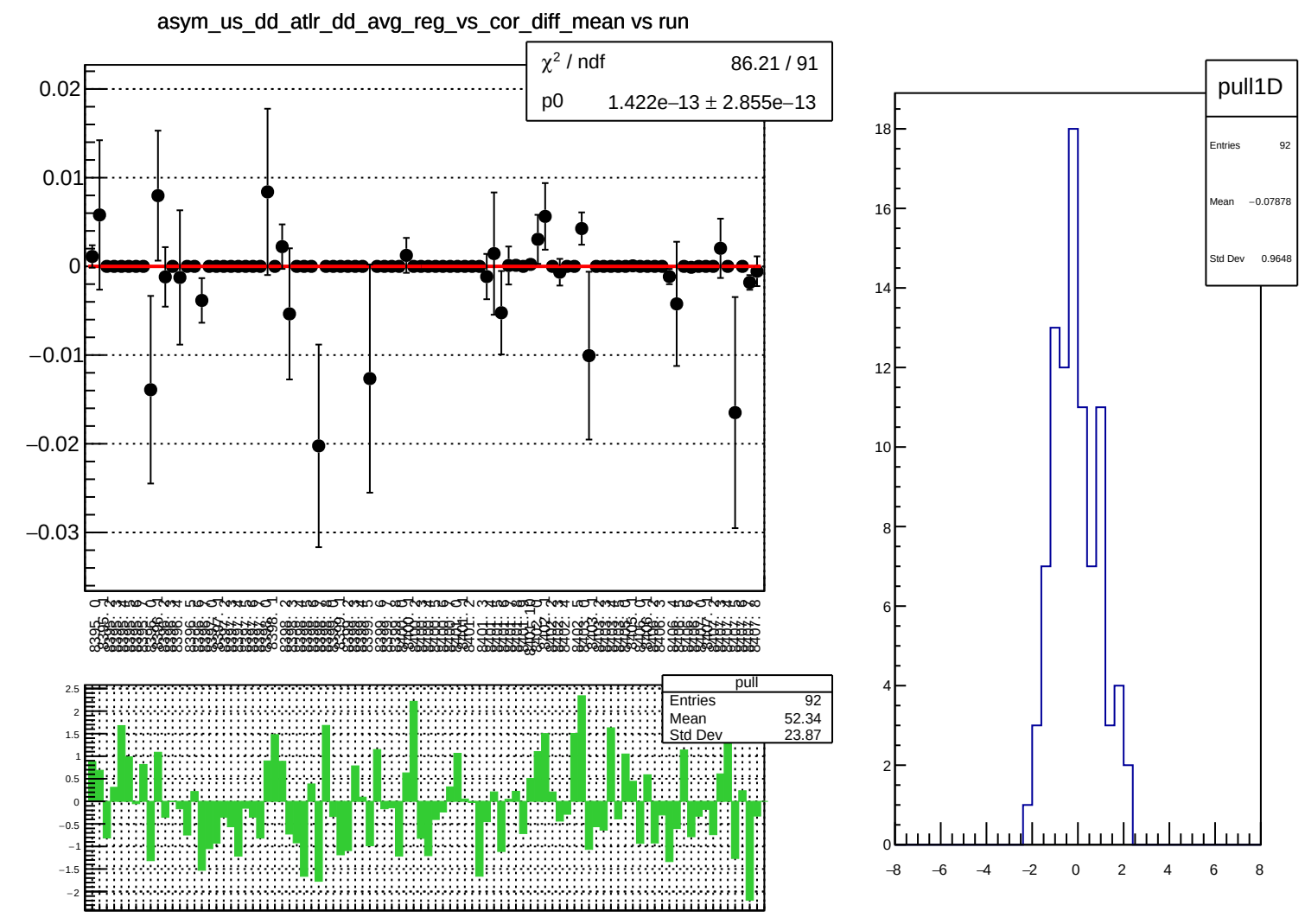

pull1D
Entries 92
Mean −0.003719
Std Dev 0.9575
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

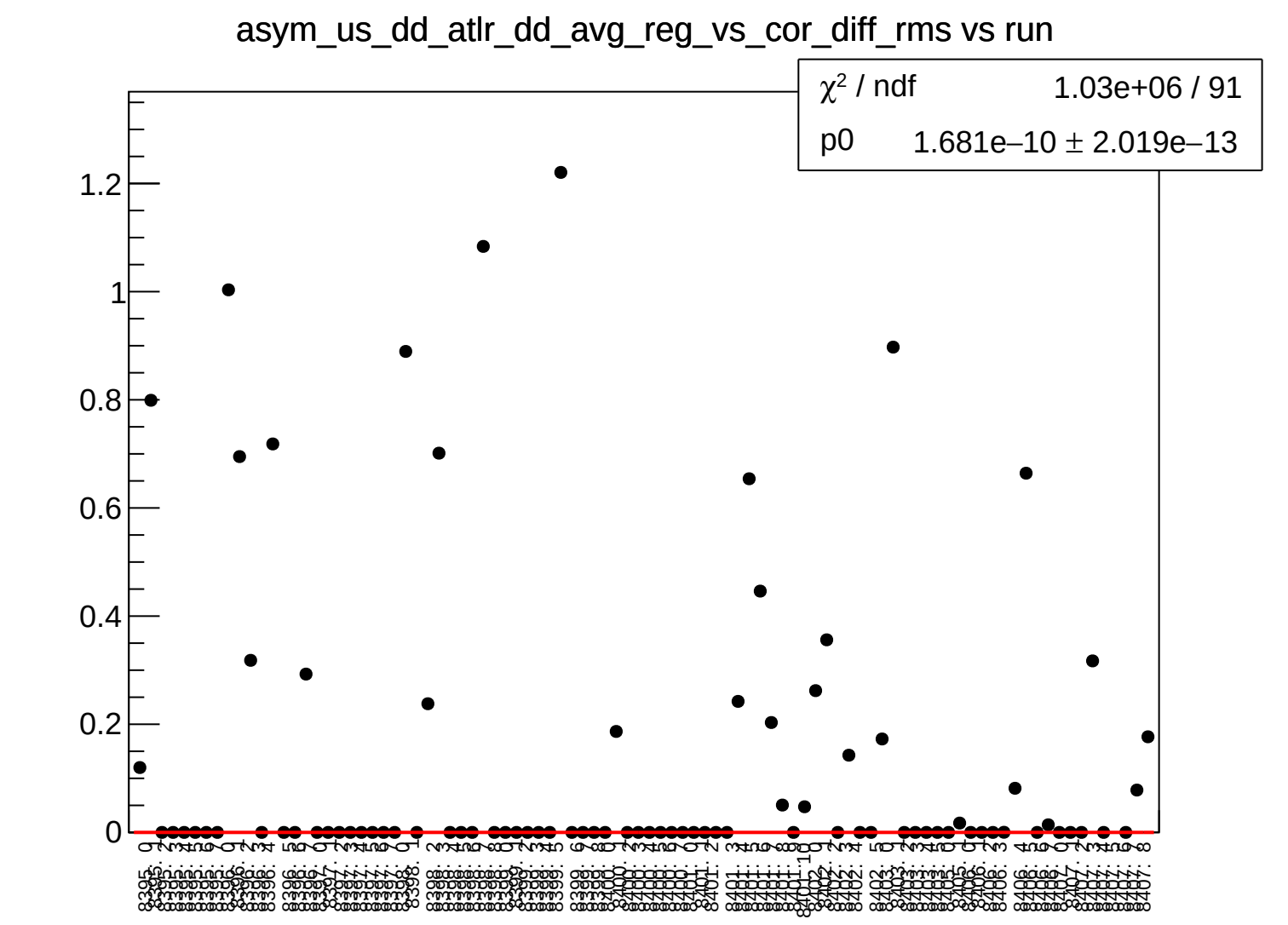

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 7268 / 91
p0 2547 ± 1.944
3100
3000
2900
2800
2700
2600
2500
2400
2300

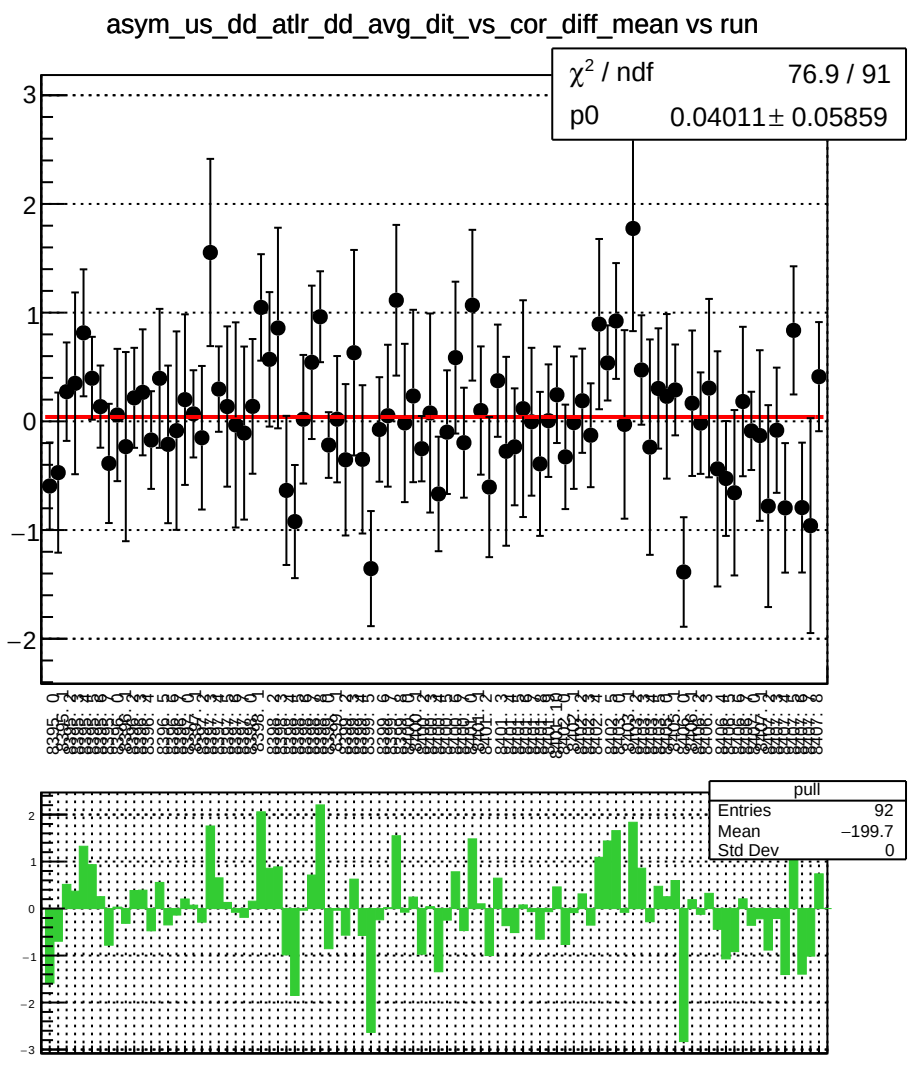

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 88.65 / 91
p0 −201 ± 3349
100
50
0
−50
−100
−150
pull
Entries 92
Mean 202.4
Std Dev 0
2
1
0
−1
−2

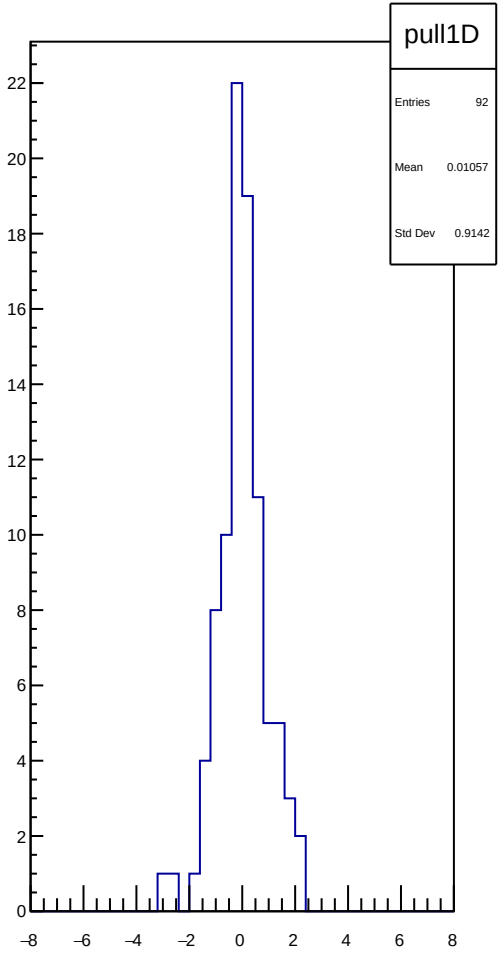

pull1D
Entries 92
Mean −0.005646
Std Dev 0.9816
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

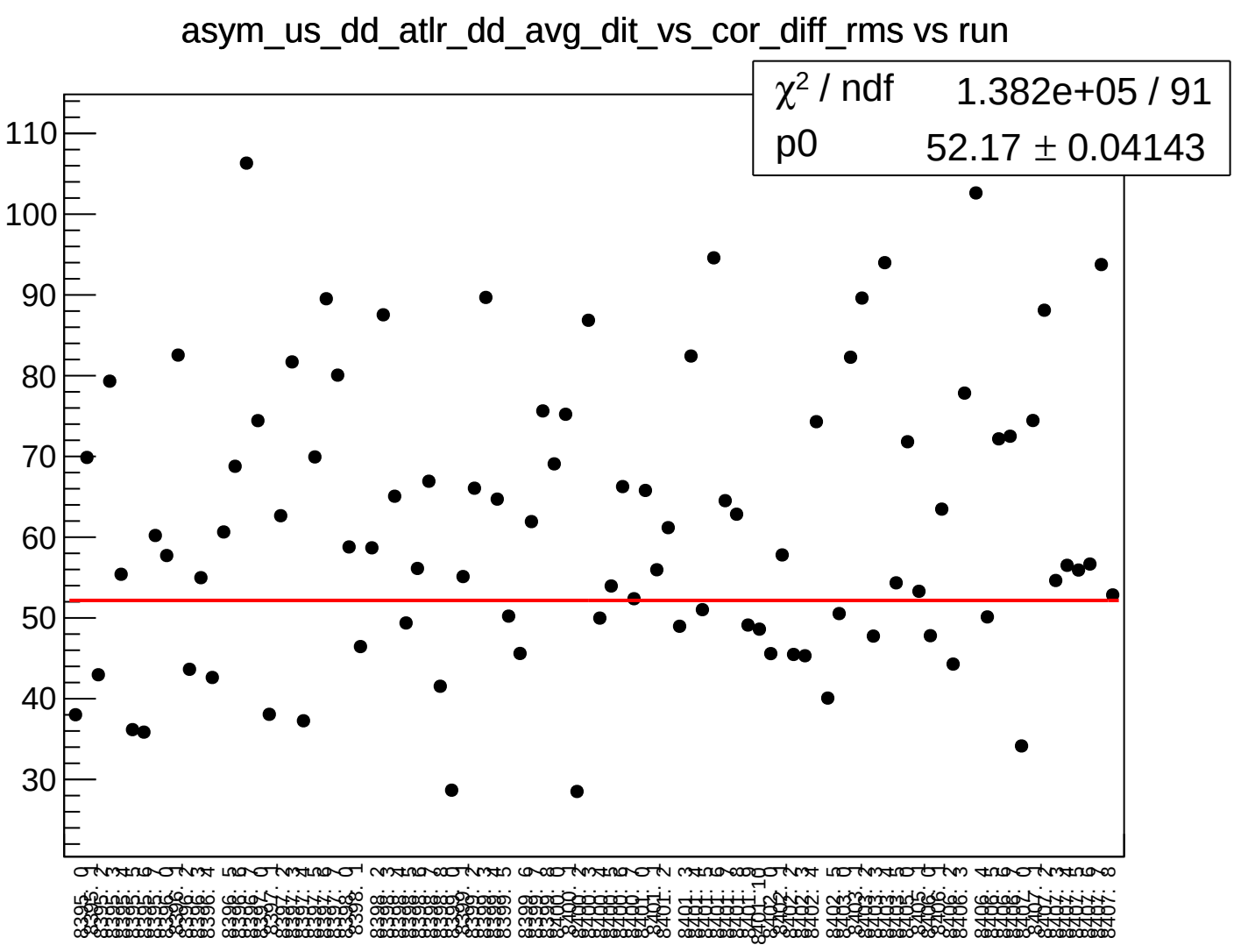

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 3663 / 91
p0 3105 ± 2.368
3600
3500
3400
3300
3200
3100
3000
2900
2800

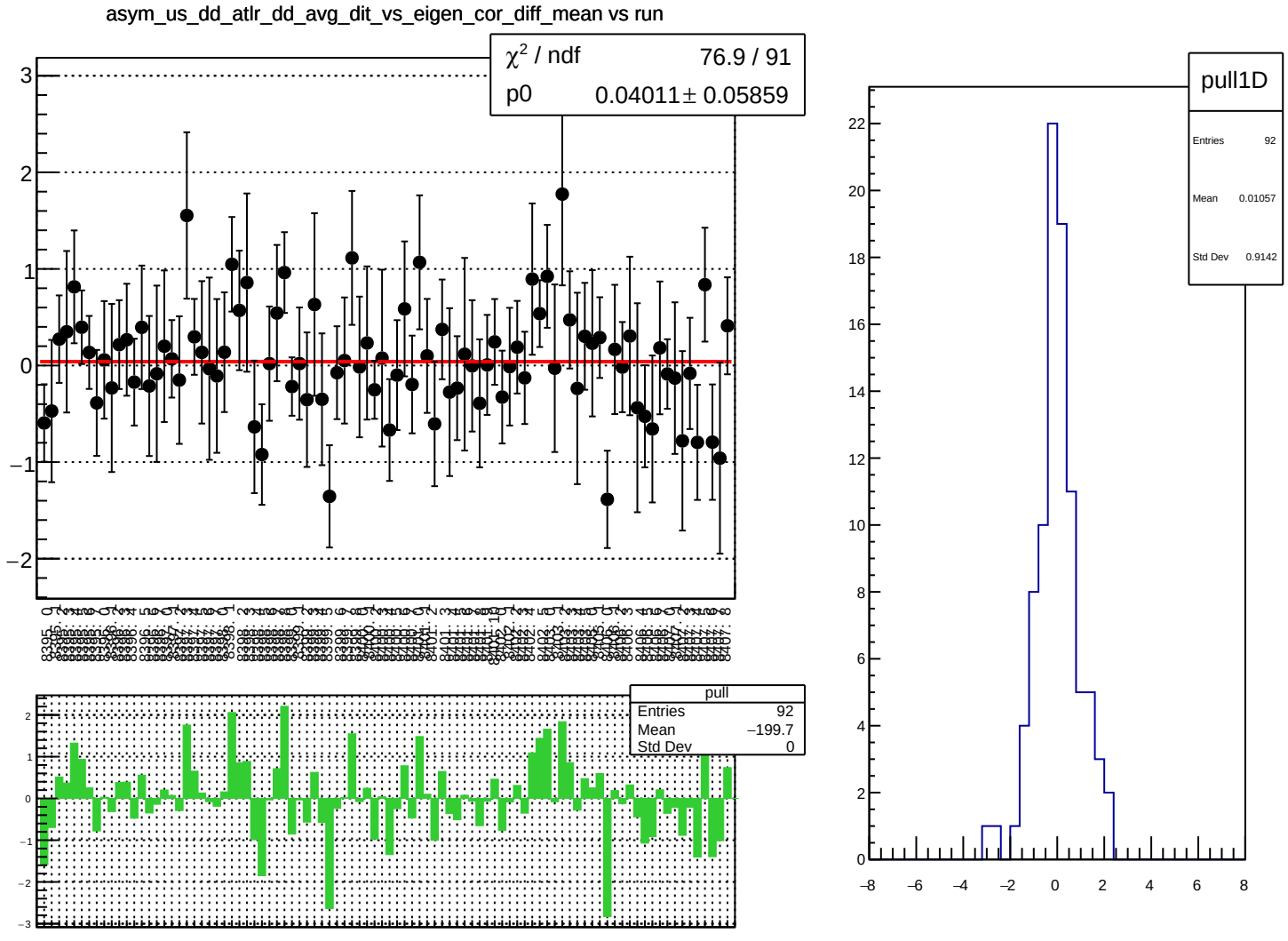

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 86.21 / 91
p0 1.422e−13 ± 2.855e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 52.34
Std Dev 23.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.07878
Std Dev 0.9648
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

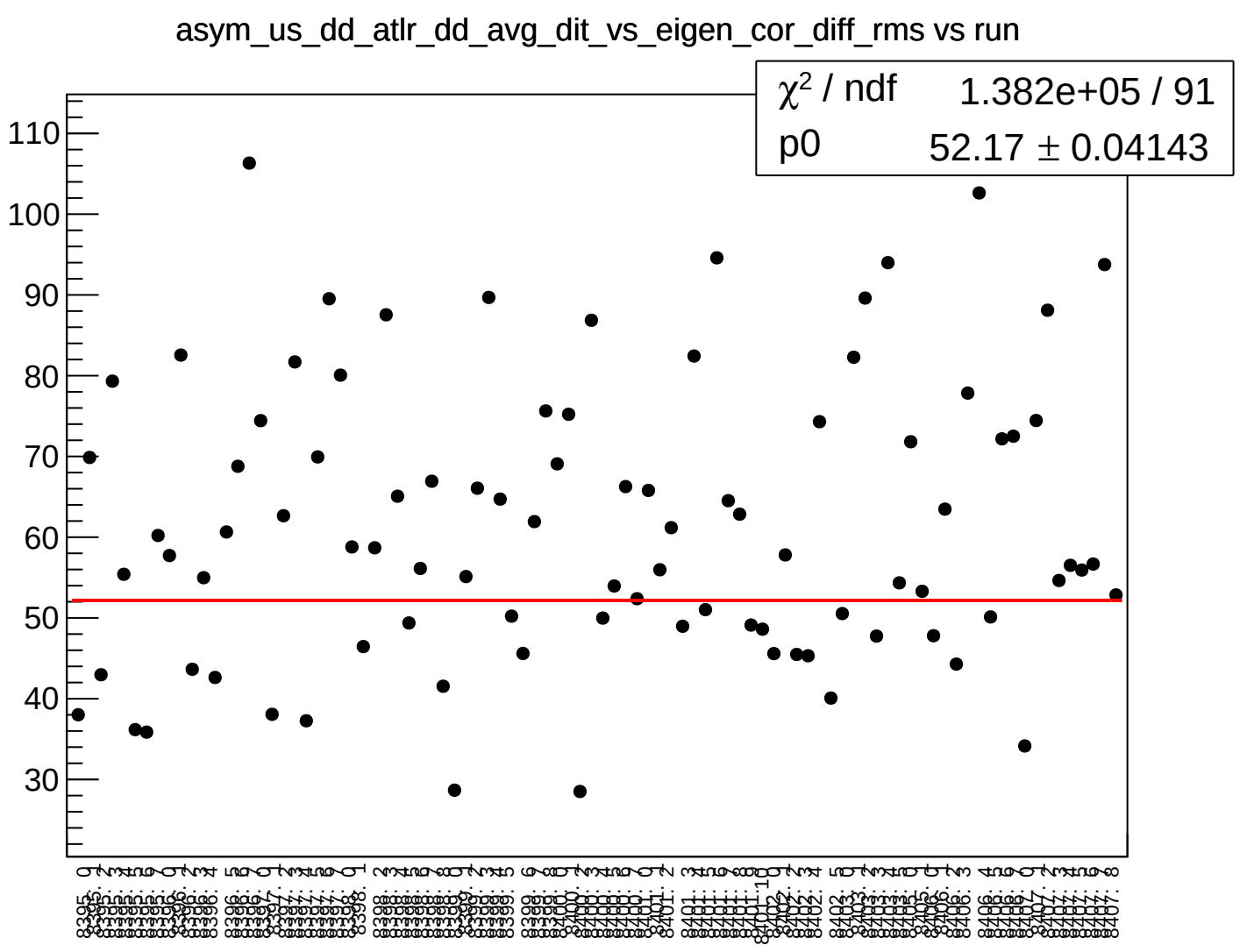

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.03e+06 / 91
p0 1.681e−10 ± 2.019e−13
1.2
1
0.8
0.6
0.4
0.2
0

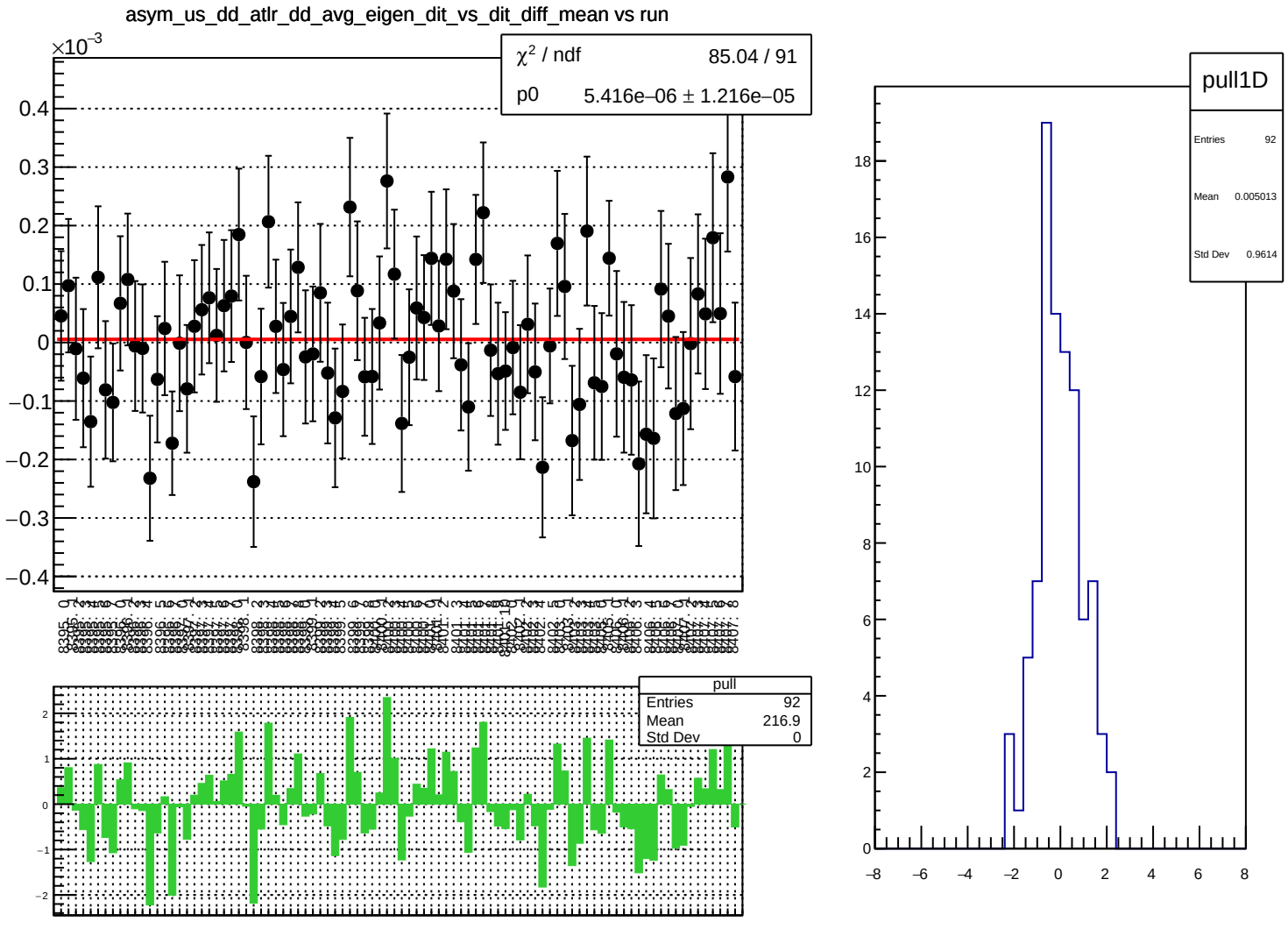

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.9 / 91
p0 0.04011 ± 0.05859
pull
Entries 92
Mean −199.7
Std Dev 0

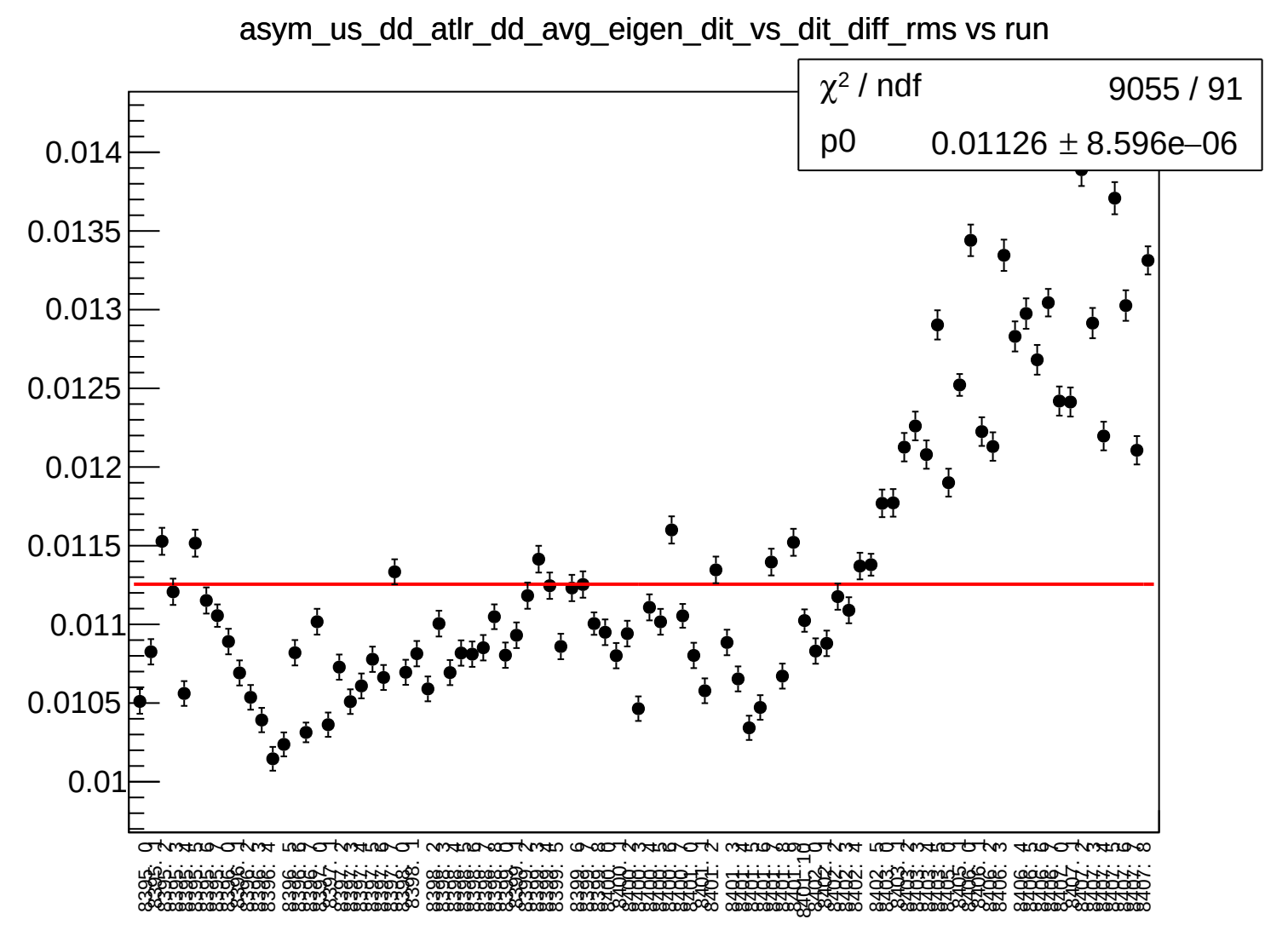

pull1D
Entries 92
Mean 0.01057
Std Dev 0.9142

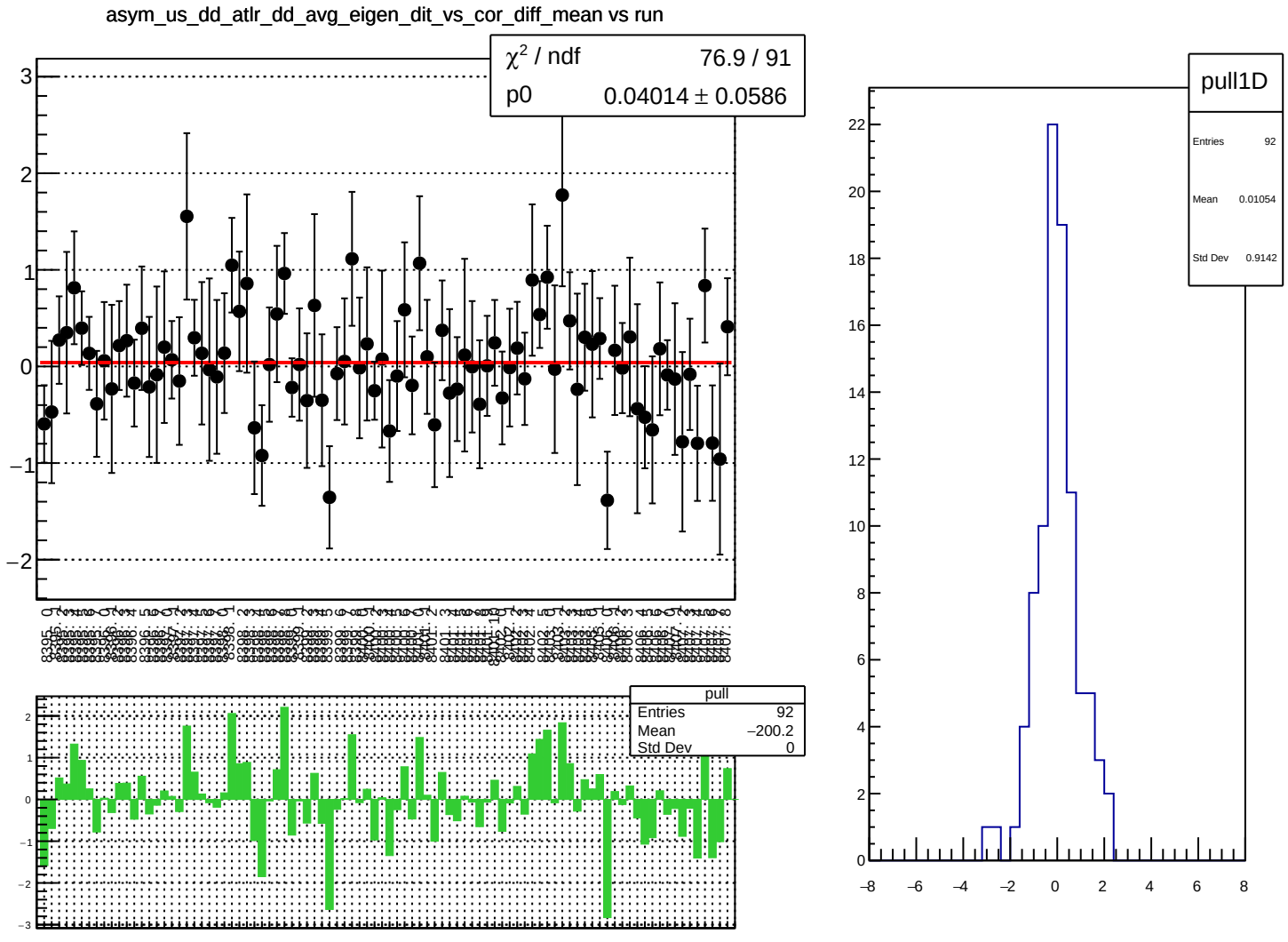

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.382e+05 / 91
p0 52.17 ± 0.04143
110
100
90
80
70
60
50
40
30

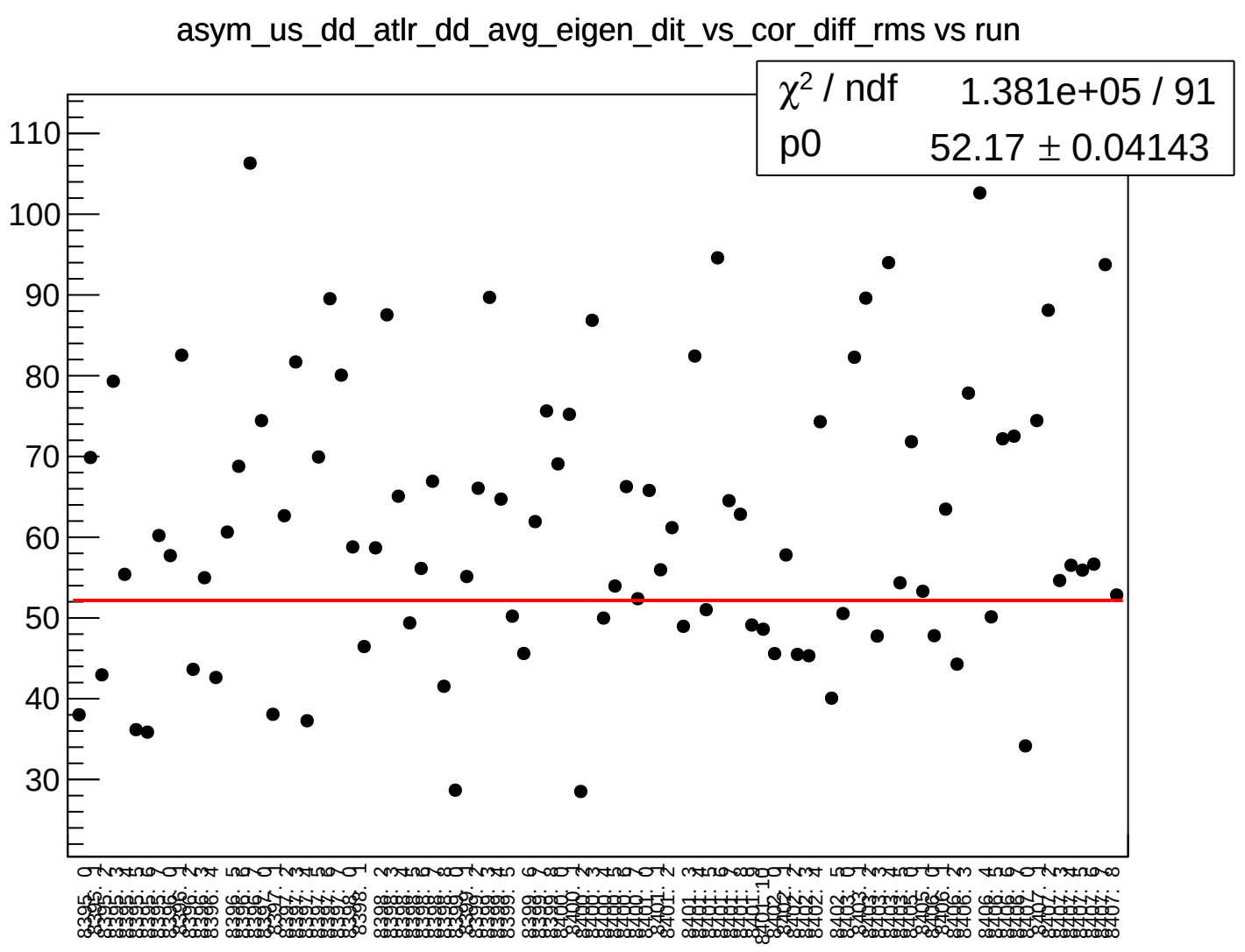

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.9 / 91
p0 0.04011 ± 0.05859
pull
Entries 92
Mean −199.7
Std Dev 0
pull1D
Entries 92
Mean 0.01057
Std Dev 0.9142

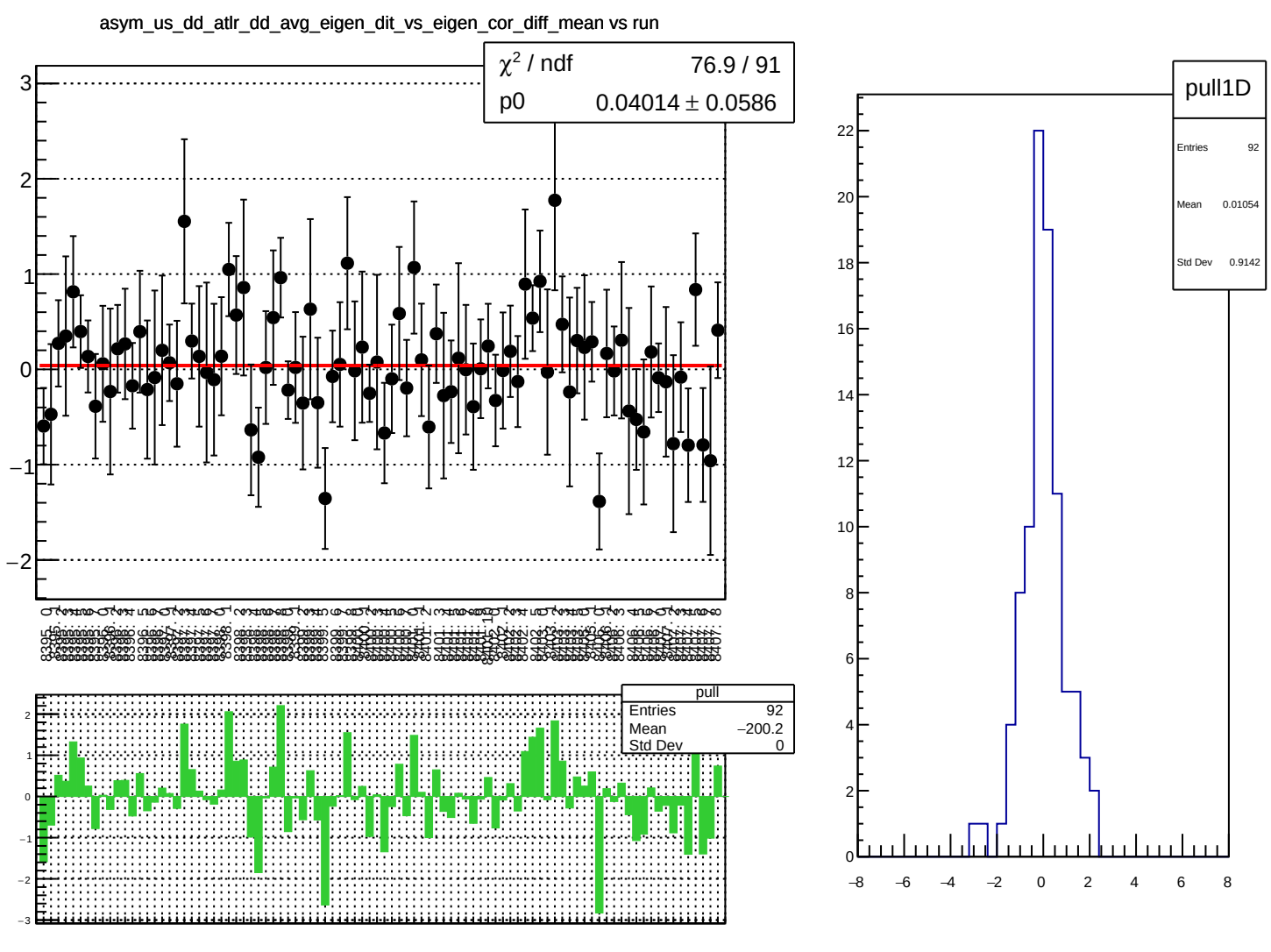

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.382e+05 / 91
p0 52.17 ± 0.04143
110
100
90
80
70
60
50
40
30

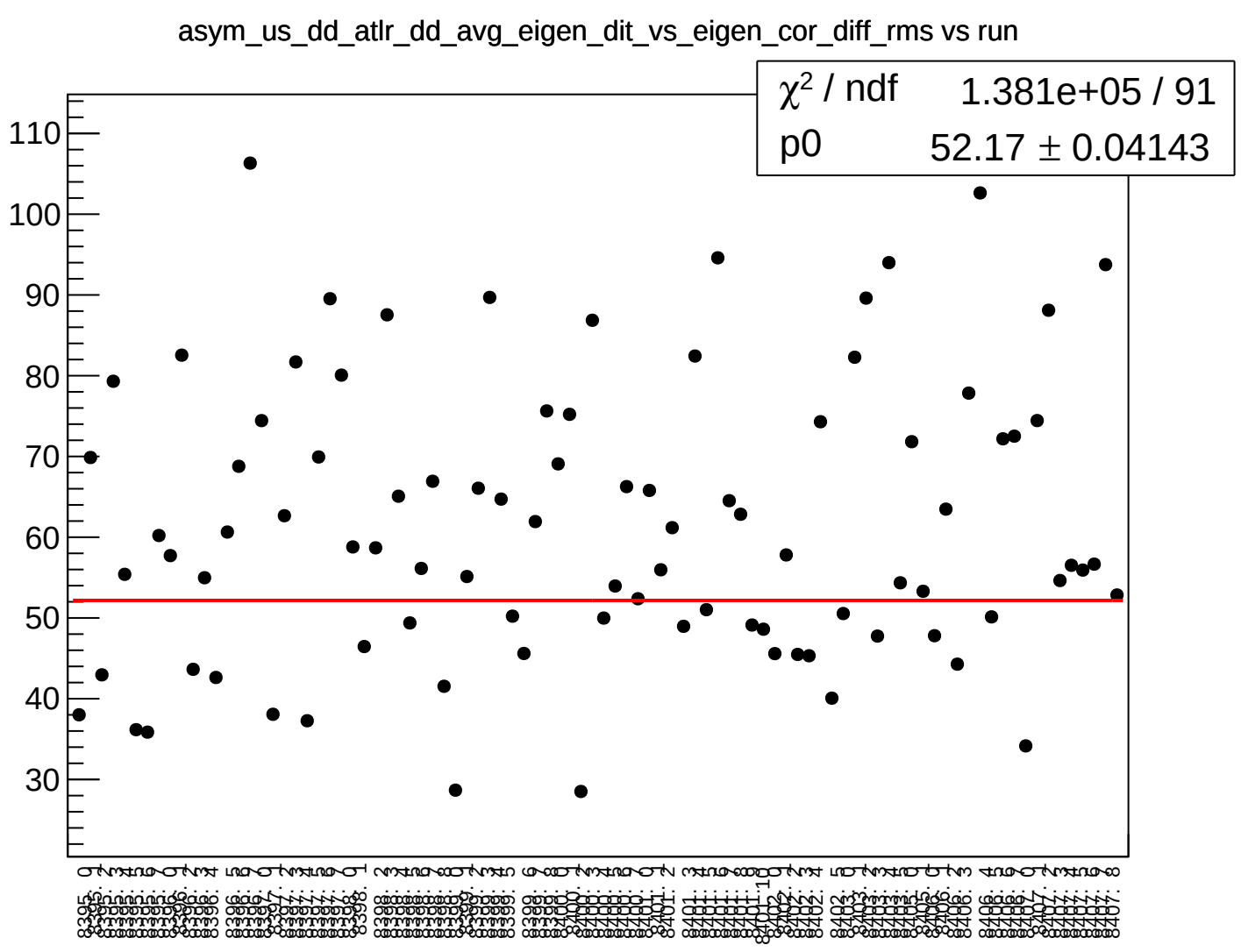

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.04 / 91
p0 5.416e−06 ± 1.216e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 92
Mean 216.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.005013
Std Dev 0.9614
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

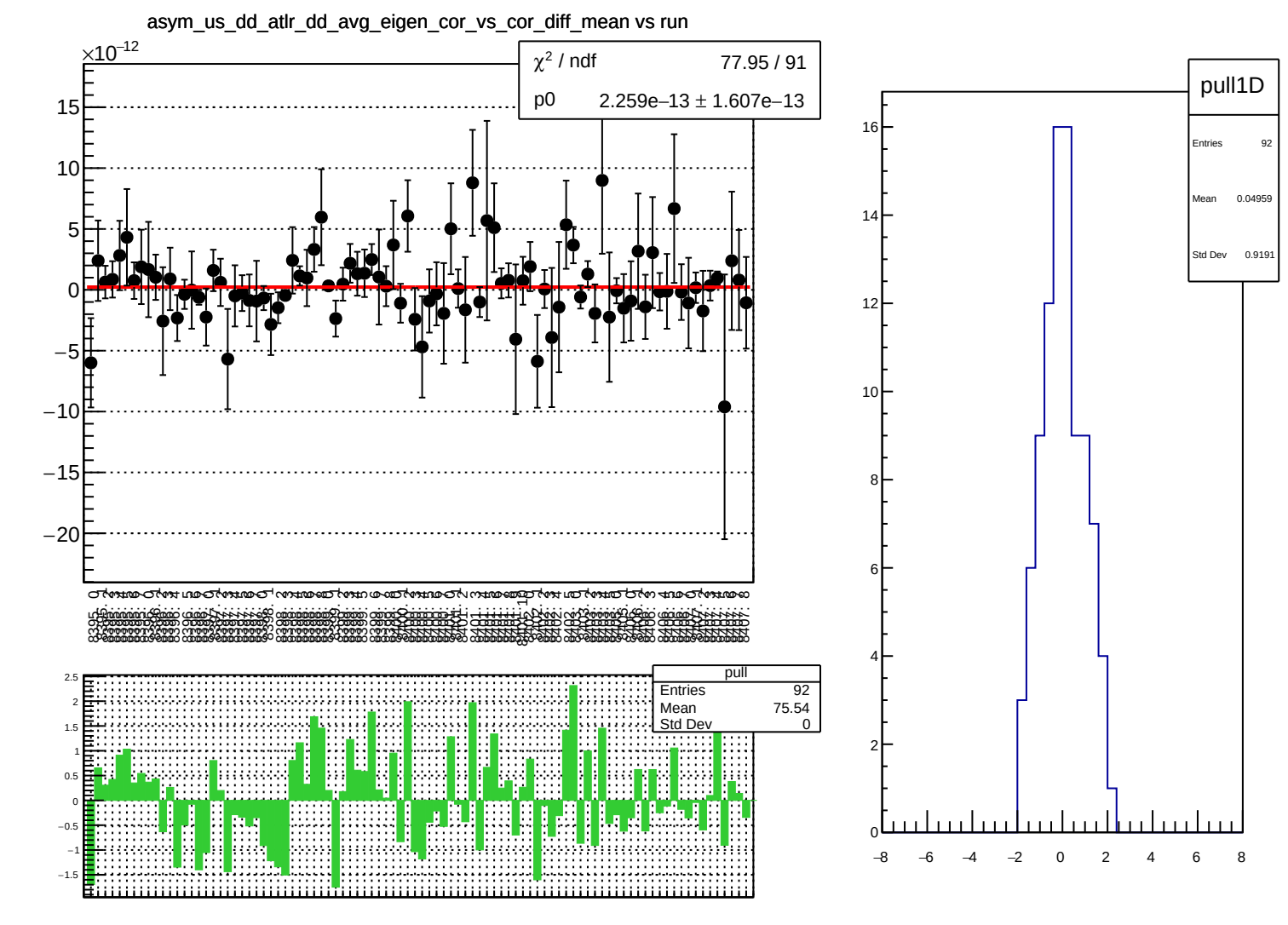

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9055 / 91
p0 0.01126 ± 8.596e−06
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01

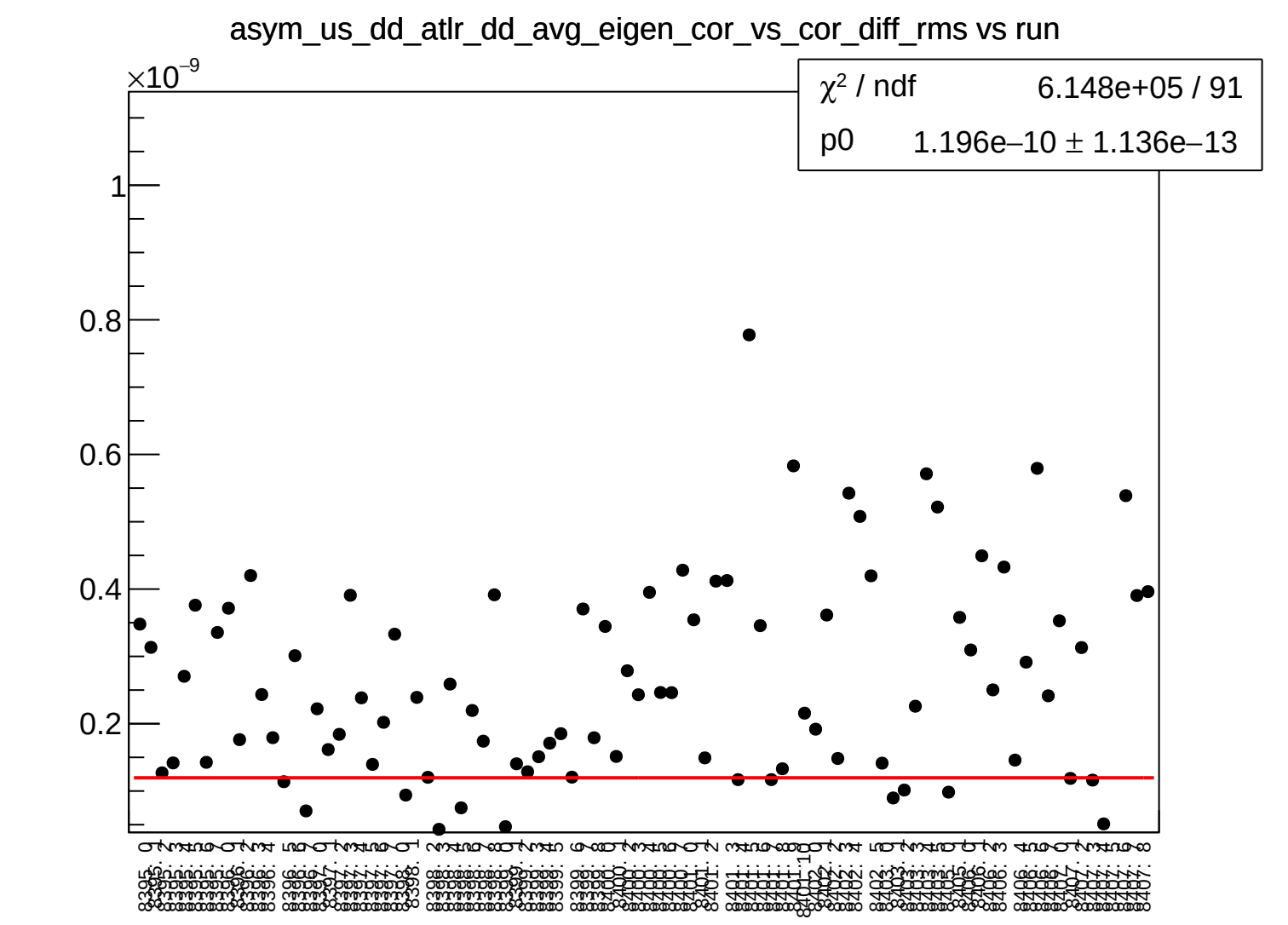

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.9 / 91
p0 0.04014 ± 0.0586
pull
Entries 92
Mean −200.2
Std Dev 0
pull1D
Entries 92
Mean 0.01054
Std Dev 0.9142

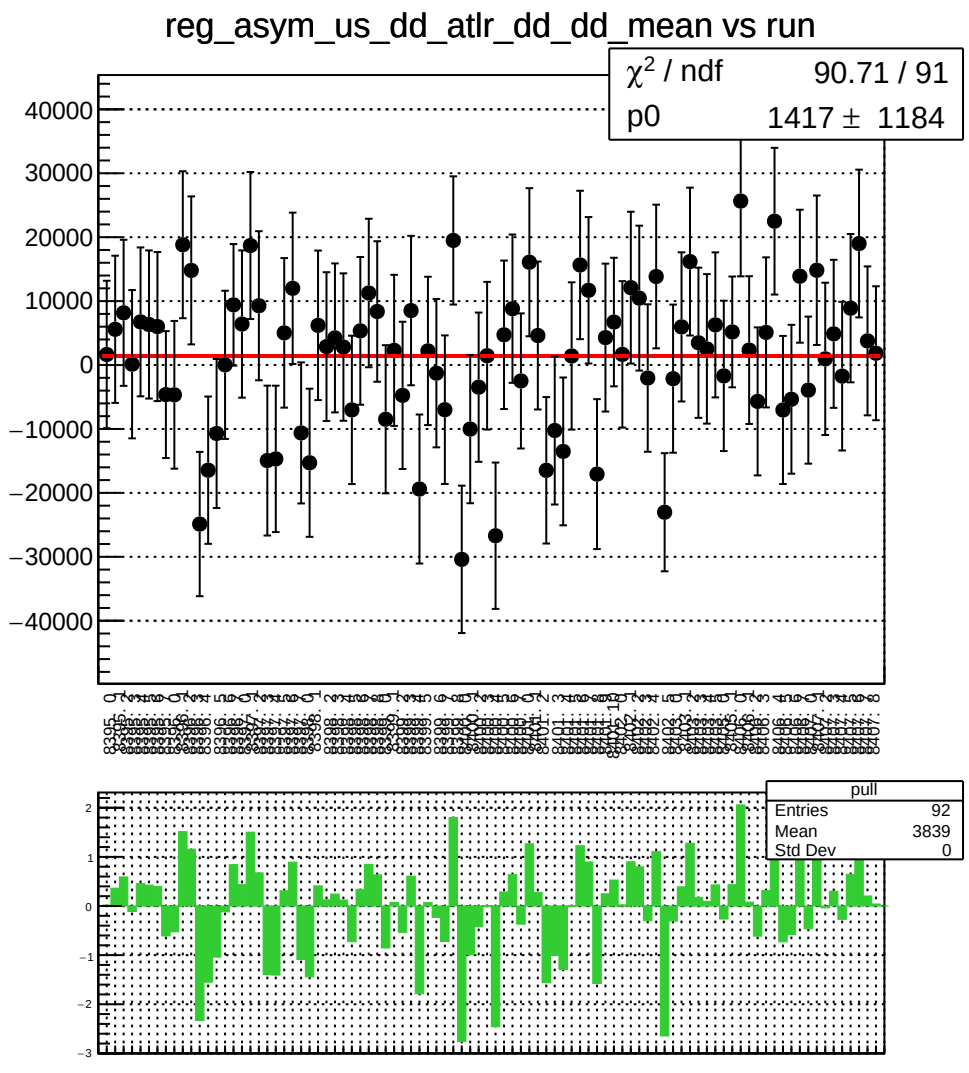

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.381e+05 / 91
p0 52.17 ± 0.04143
110
100
90
80
70
60
50
40
30

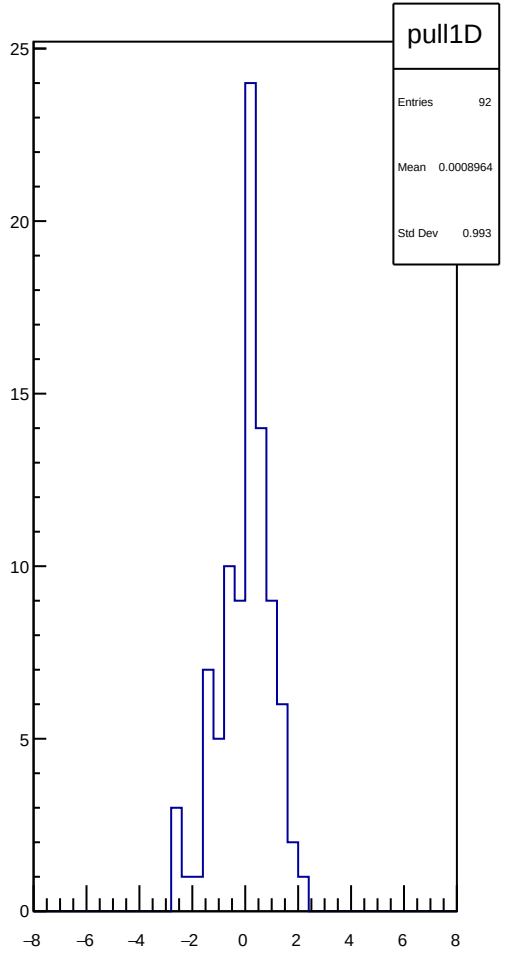

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.9 / 91
p0 0.04014 ± 0.0586
pull
Entries 92
Mean −200.2
Std Dev 0
pull1D
Entries 92
Mean 0.01054
Std Dev 0.9142

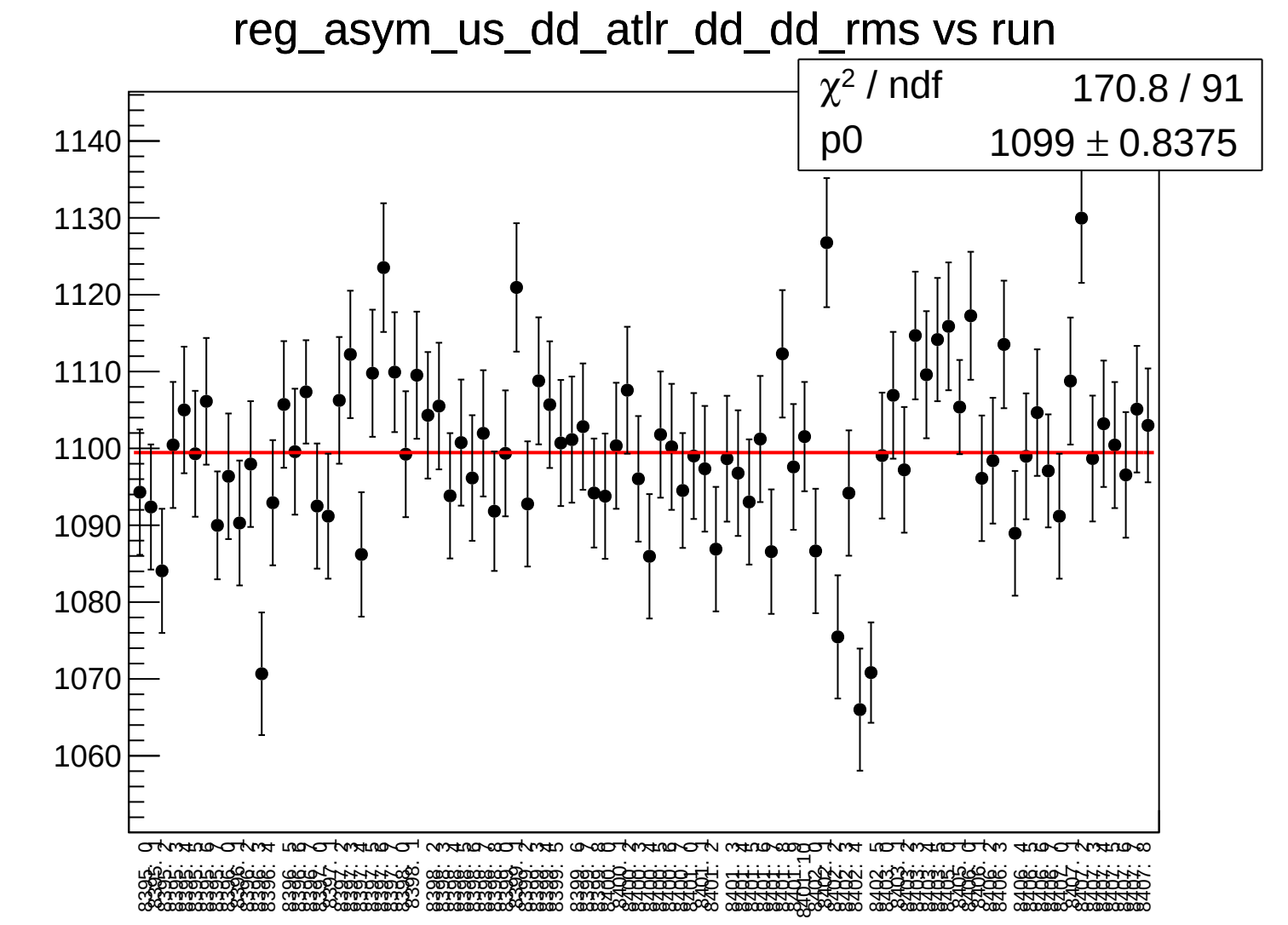

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 1.381e+05 / 91
p0 52.17 ± 0.04143
110
100
90
80
70
60
50
40
30

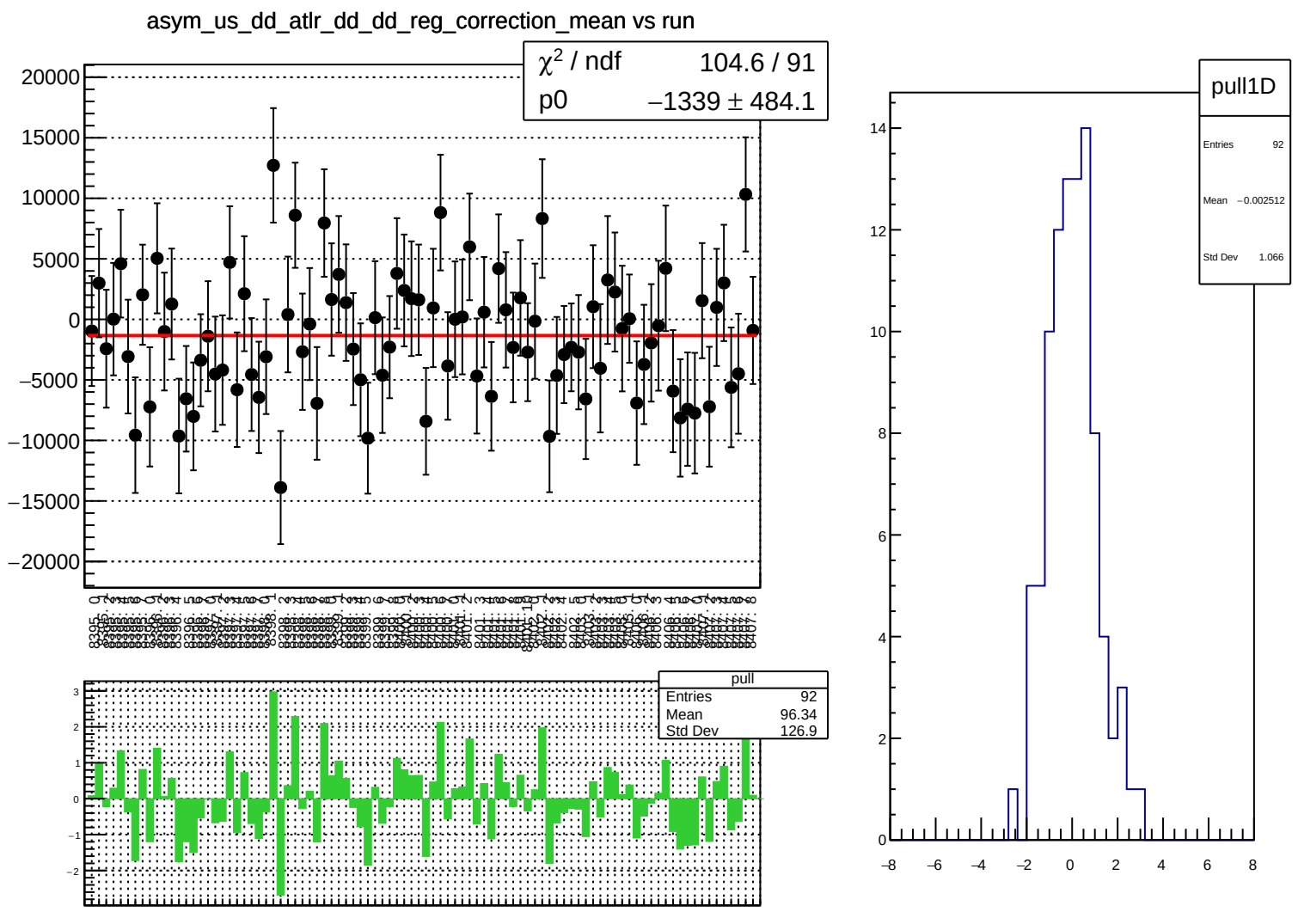

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.95 / 91
p0 2.259e−13 ± 1.607e−13
pull
Entries 92
Mean 75.54
Std Dev 0
pull1D
Entries 92
Mean 0.04959
Std Dev 0.9191

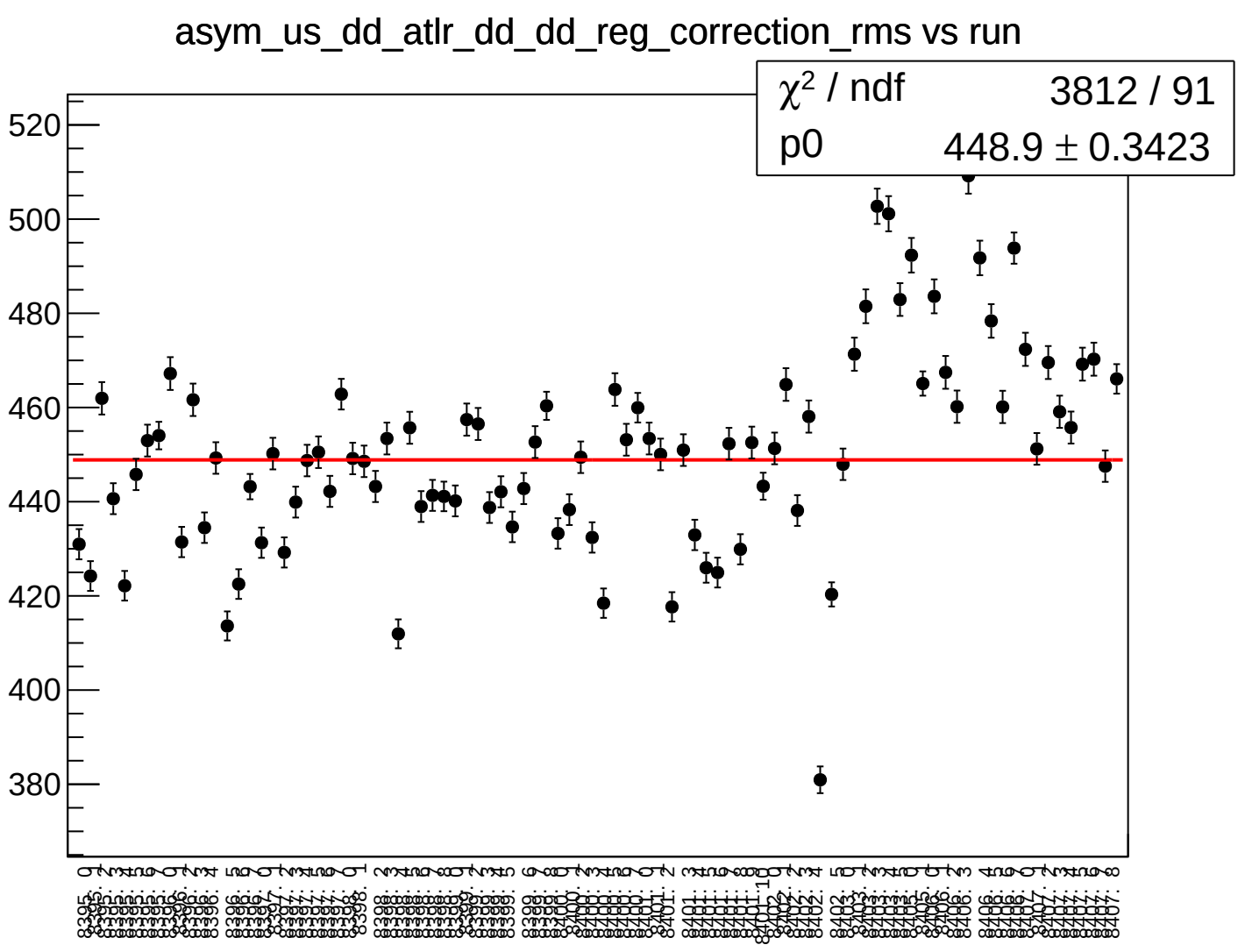

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.148e+05 / 91
p0 1.196e−10 ± 1.136e−13
1
0.8
0.6
0.4
0.2

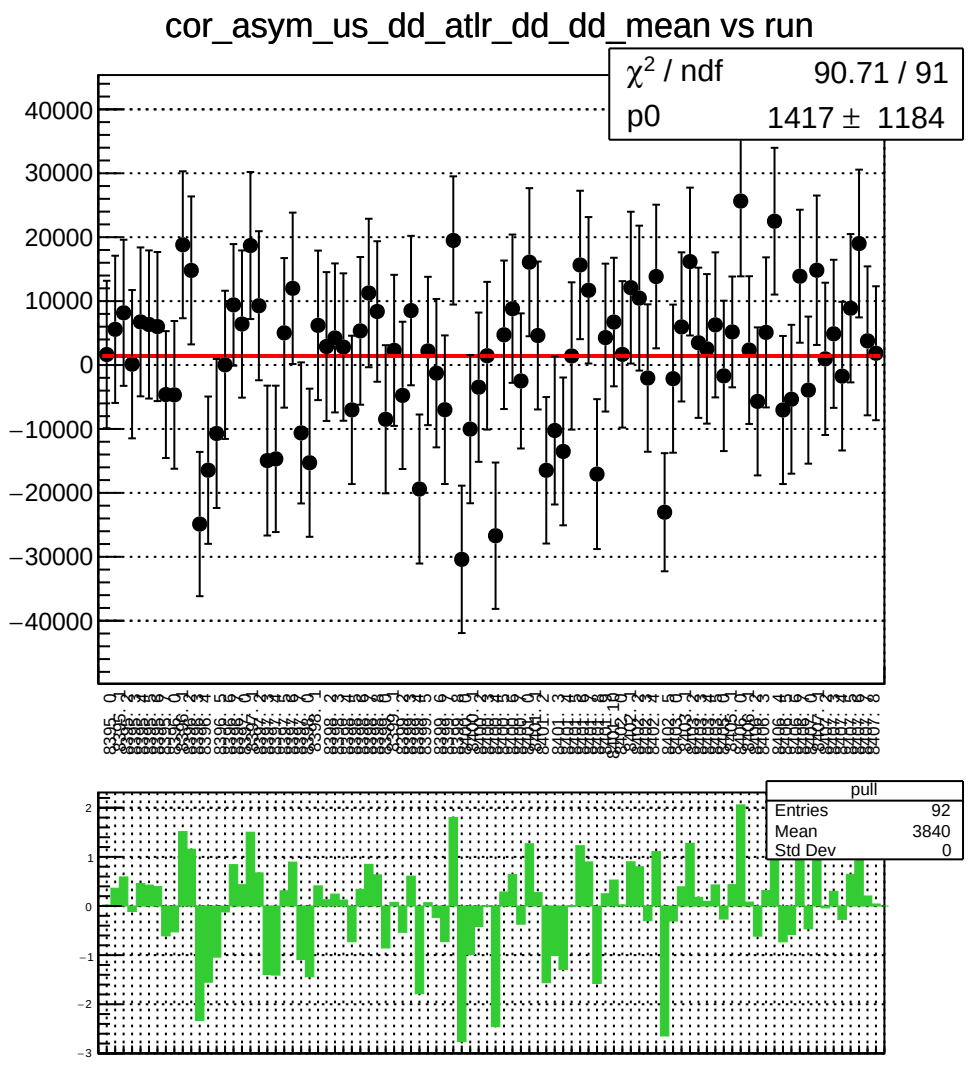

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 90.71 / 91
p0 1417 ± 1184
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 3839
Std Dev 0
2
1
0
−1
−2
−3

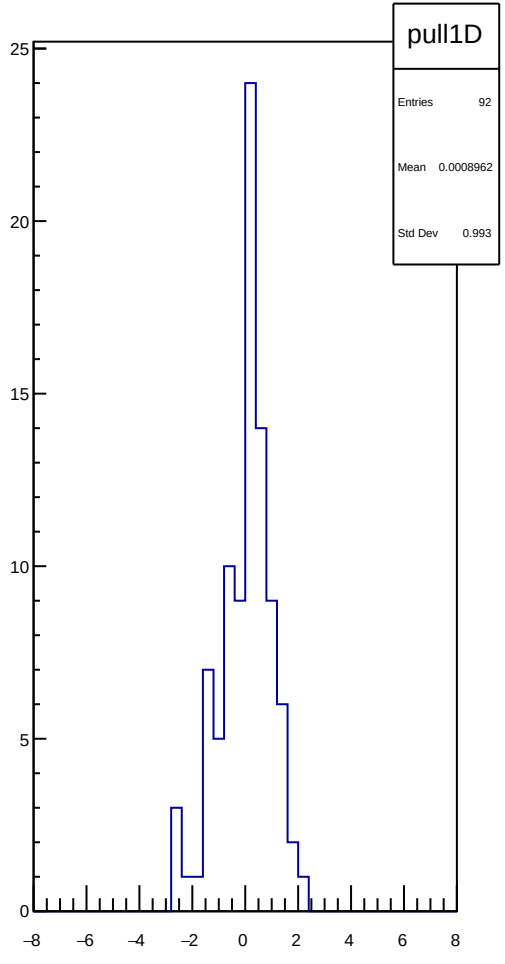

pull1D
Entries 92
Mean 0.0008964
Std Dev 0.993
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

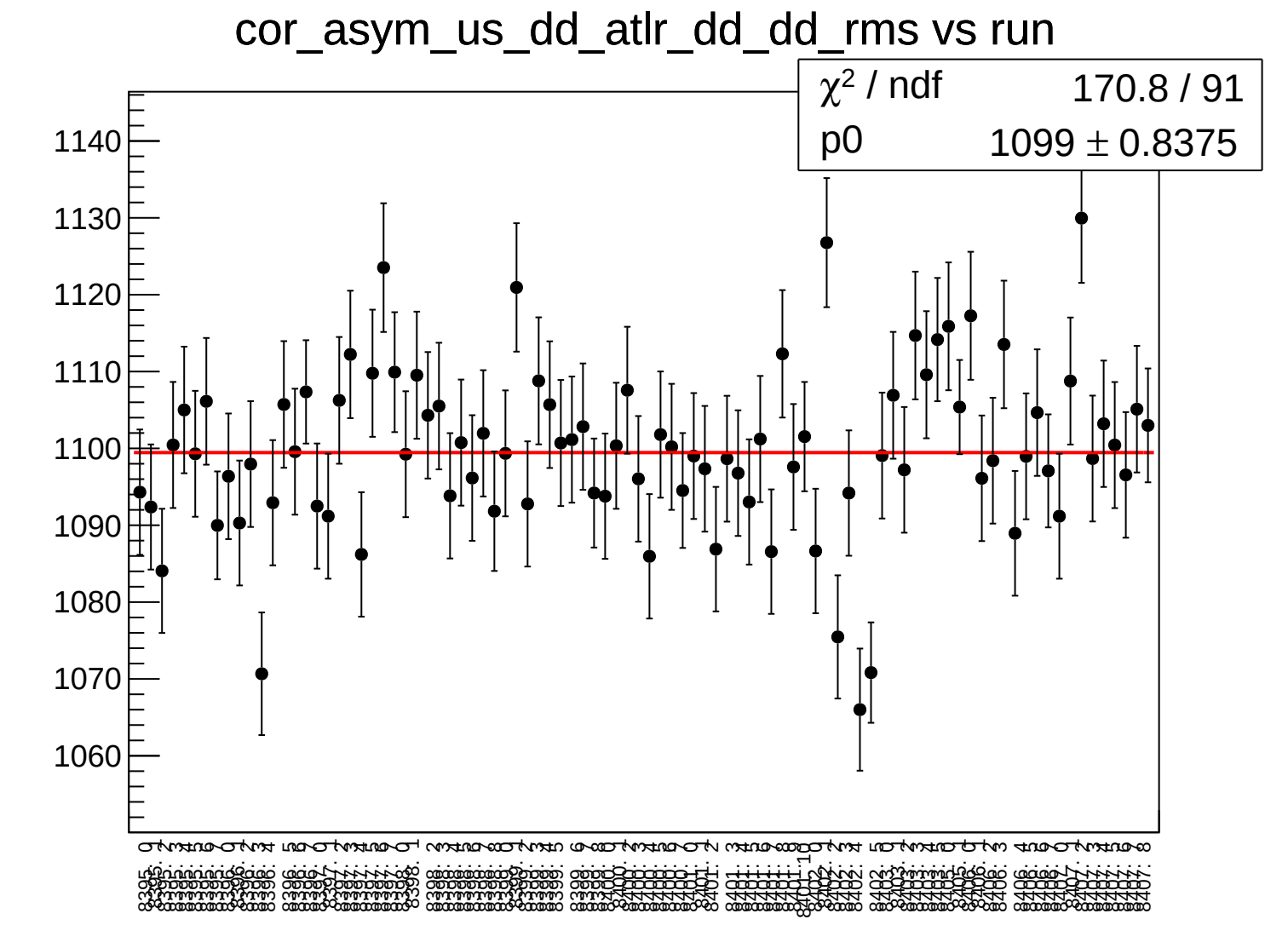

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 170.8 / 91
p0 1099 ± 0.8375
1140
1130
1120
1110
1100
1090
1080
1070
1060

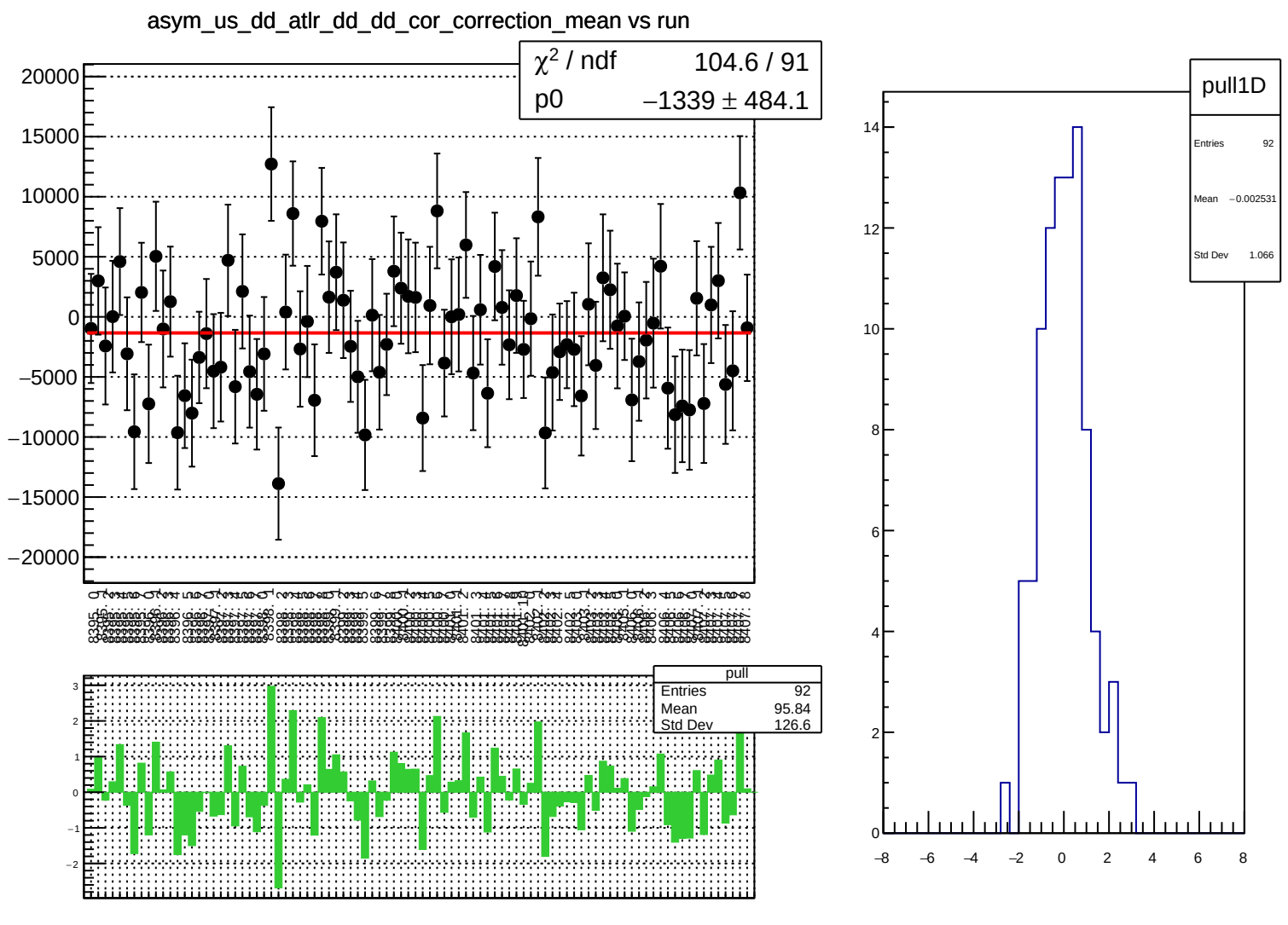

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 104.6 / 91
p0 −1339 ± 484.1
pull
Entries 92
Mean 96.34
Std Dev 126.9
pull1D
Entries 92
Mean −0.002512
Std Dev 1.066

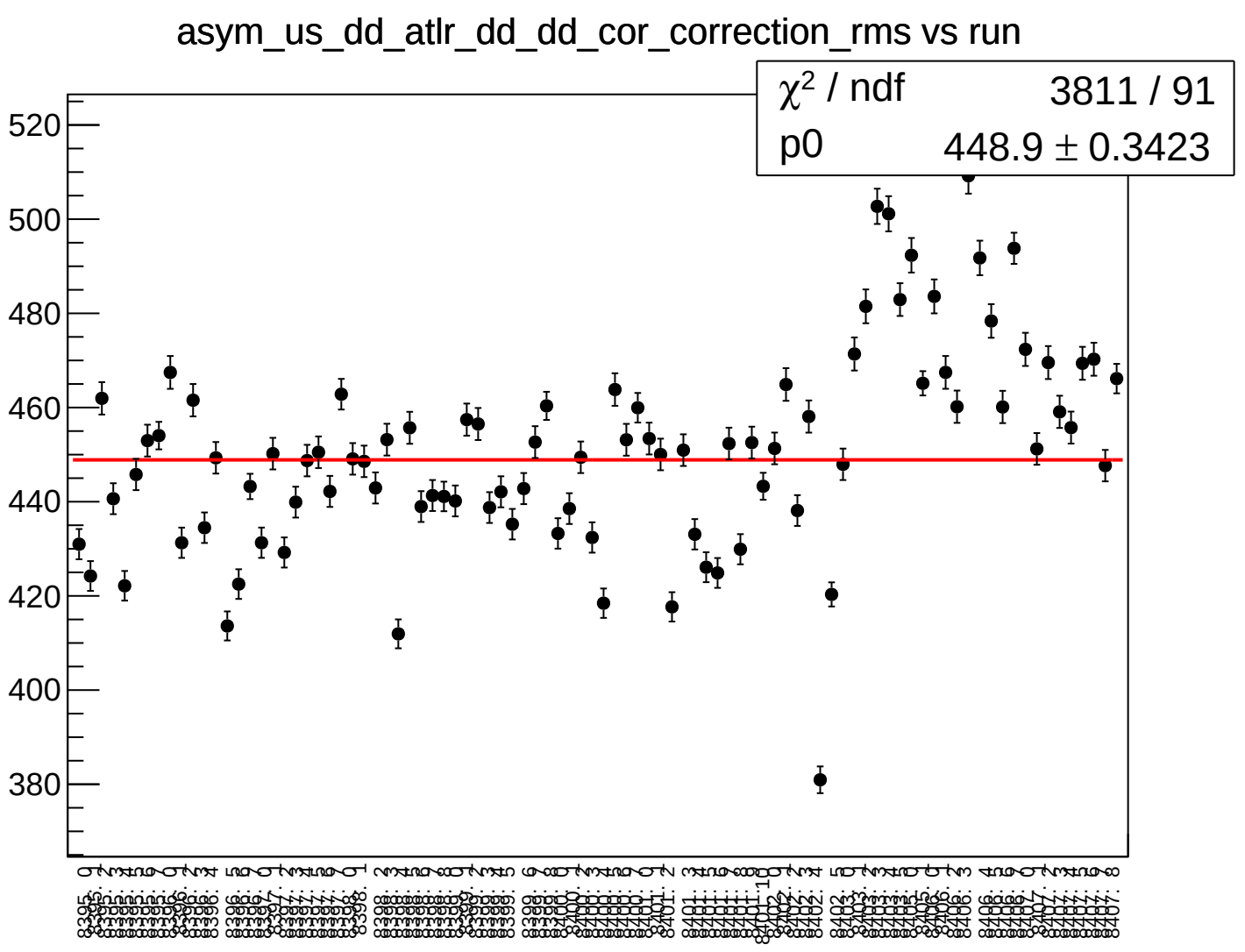

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 3812 / 91
p0 448.9 ± 0.3423
520
500
480
460
440
420
400
380

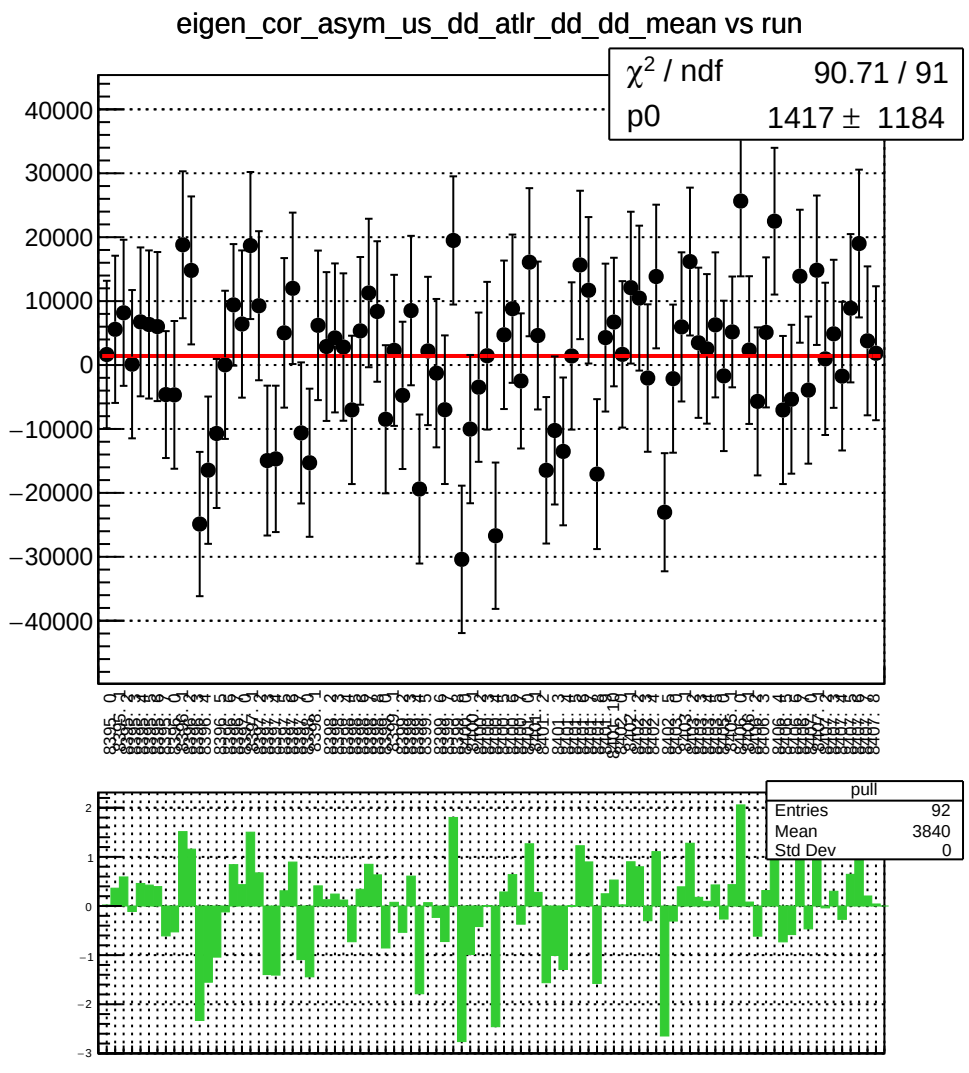

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 90.71 / 91
p0 1417 ± 1184
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 3840
Std Dev 0
2
1
0
−1
−2
−3

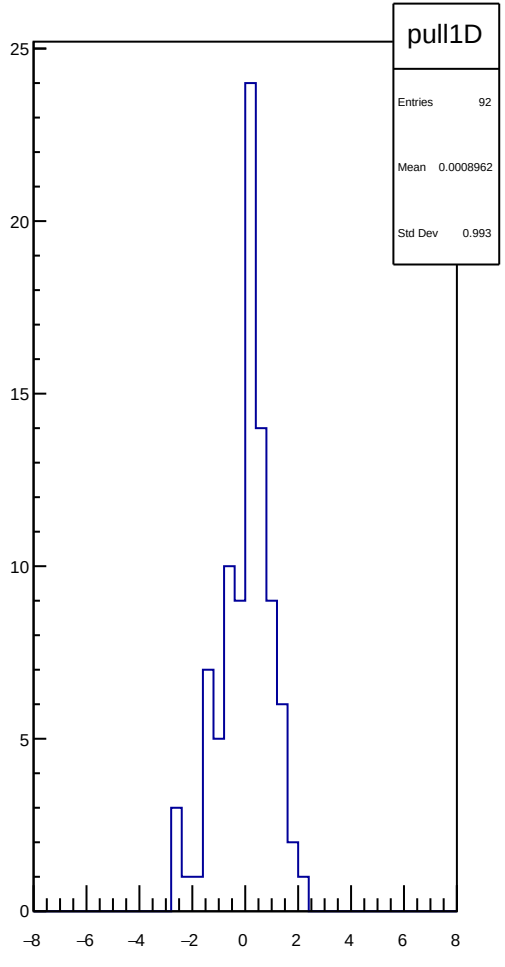

pull1D
Entries 92
Mean 0.0008962
Std Dev 0.993
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

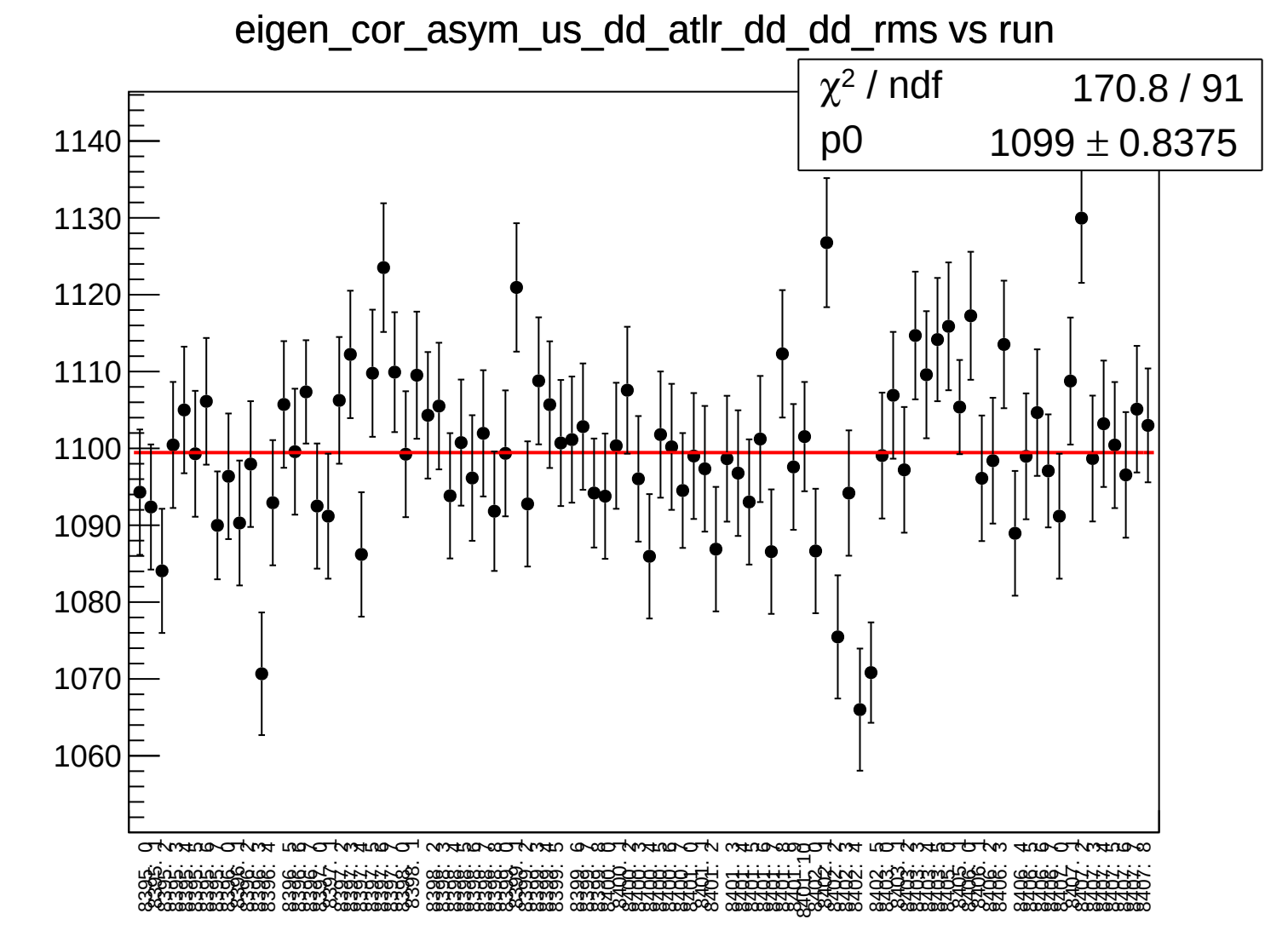

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 170.8 / 91
p0 1099 ± 0.8375
1140
1130
1120
1110
1100
1090
1080
1070
1060

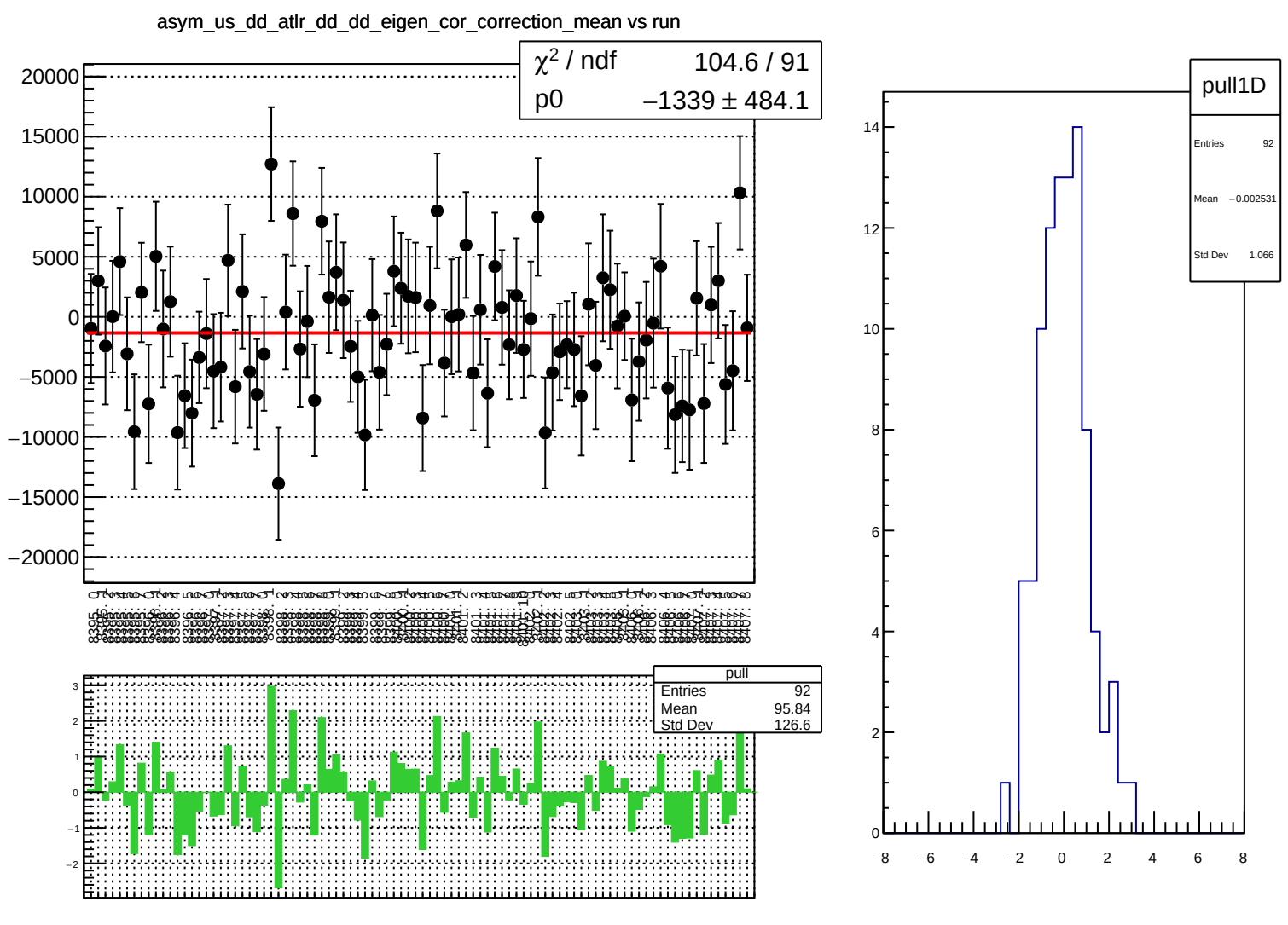

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 104.6 / 91
p0 −1339 ± 484.1
pull
Entries 92
Mean 95.84
Std Dev 126.6
pull1D
Entries 92
Mean −0.002531
Std Dev 1.066

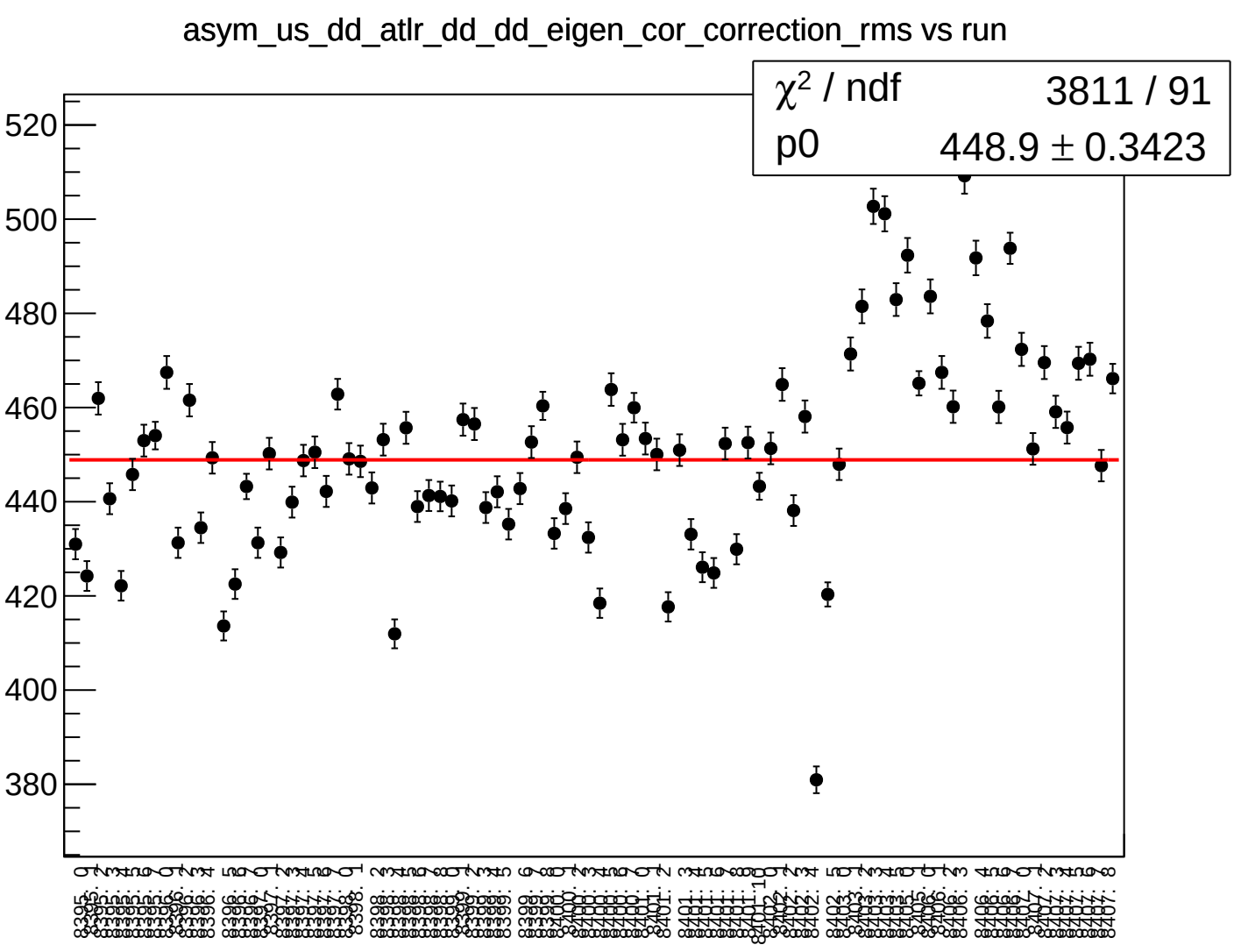

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 3811 / 91
p0 448.9 ± 0.3423
520
500
480
460
440
420
400
380

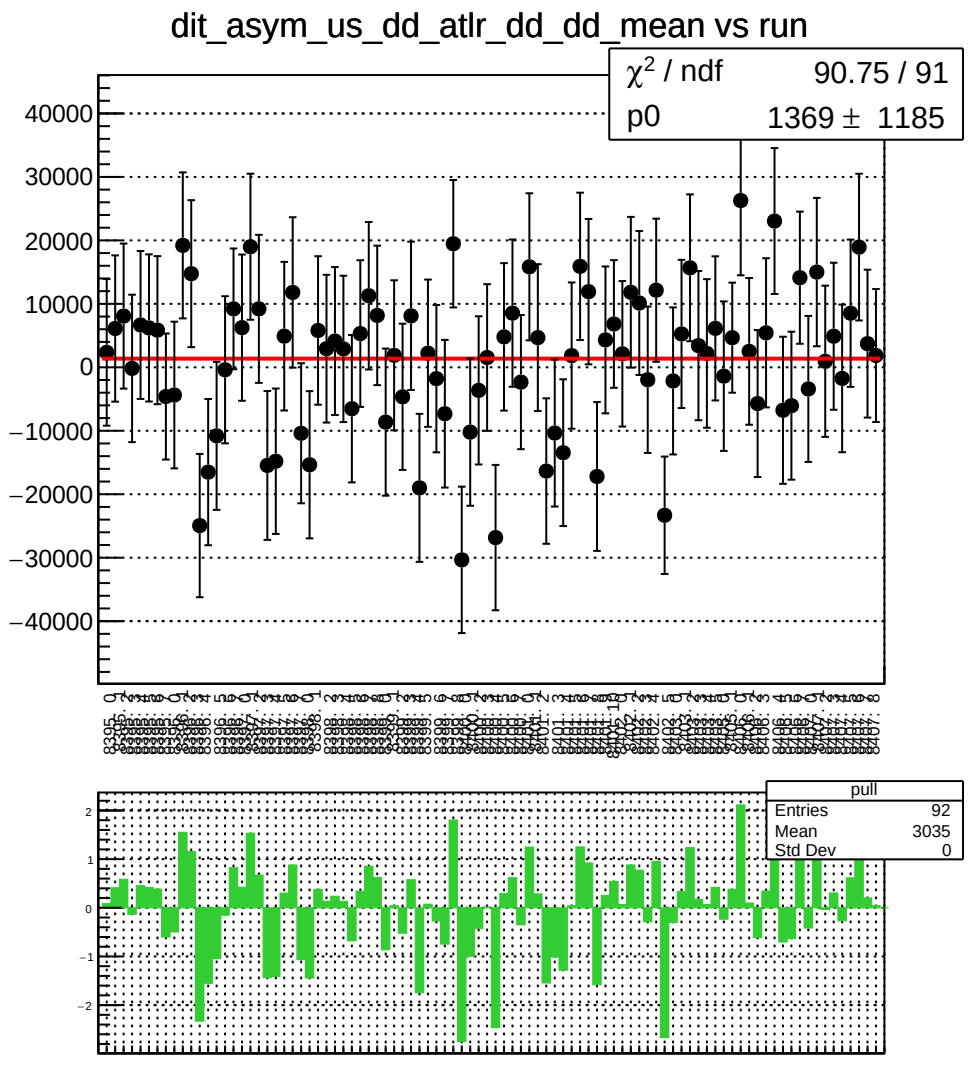

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 90.71 / 91
p0 1417 ± 1184
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 3840
Std Dev 0
2
1
0
−1
−2
−3

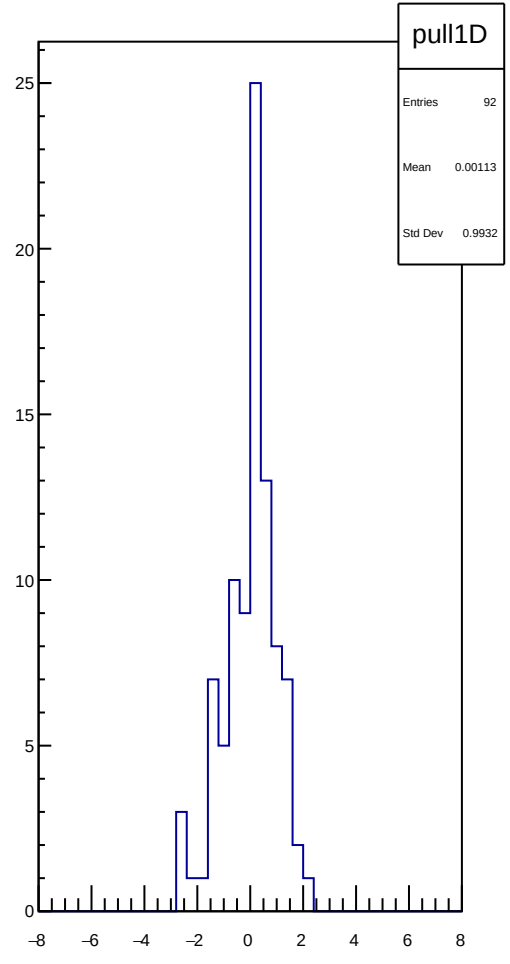

pull1D
Entries 92
Mean 0.0008962
Std Dev 0.993
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

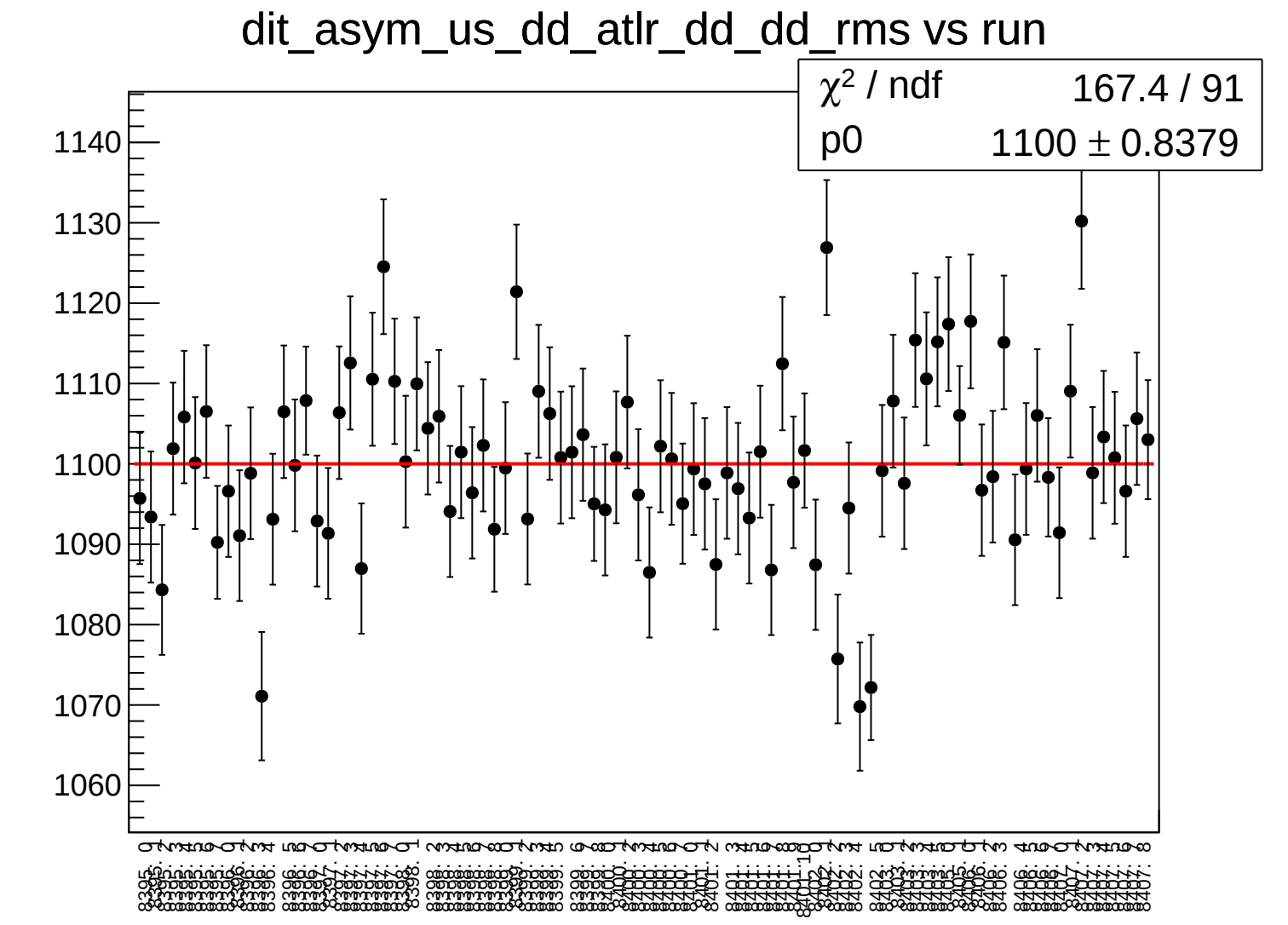

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
$\chi^2$ / ndf 170.8 / 91
p0 1099 ± 0.8375
1140
1130
1120
1110
1100
1090
1080
1070
1060

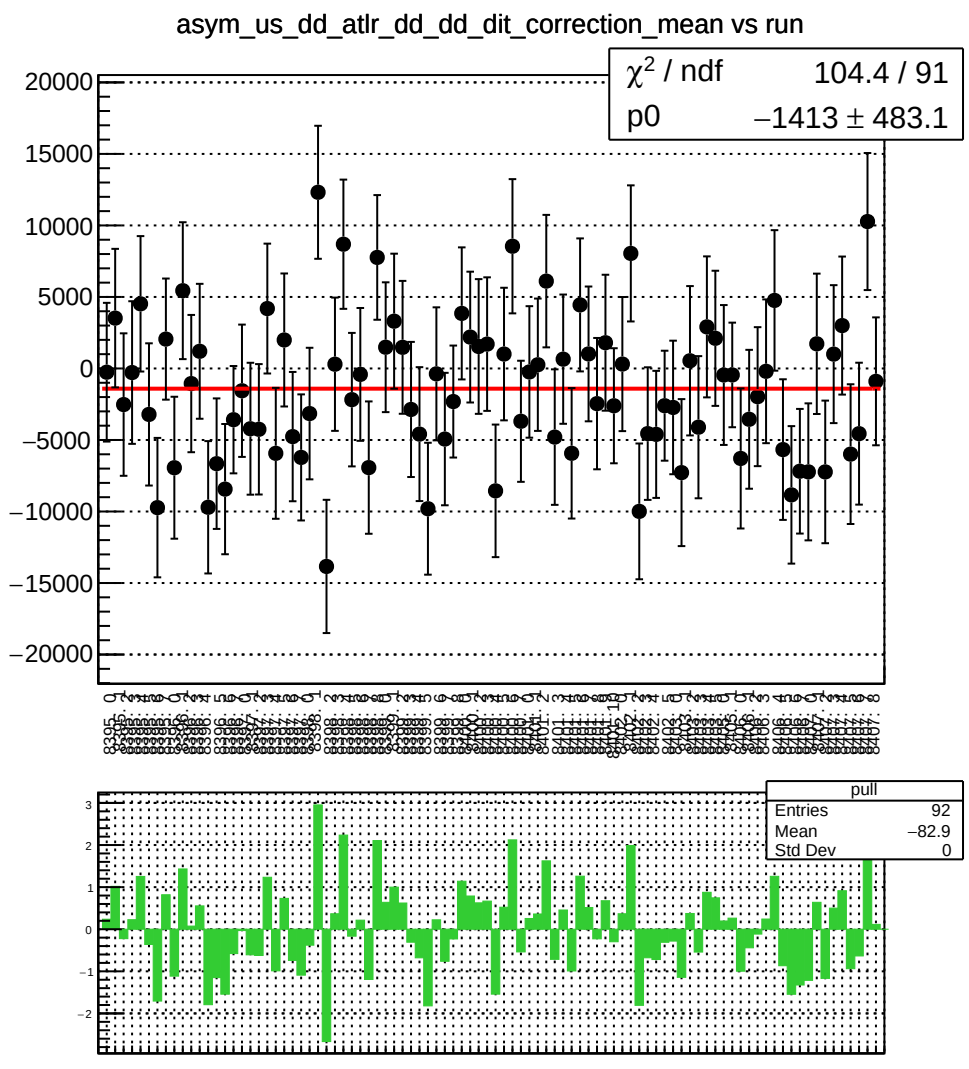

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 104.6 / 91
p0 −1339 ± 484.1
pull
Entries 92
Mean 95.84
Std Dev 126.6
pull1D
Entries 92
Mean −0.002531
Std Dev 1.066

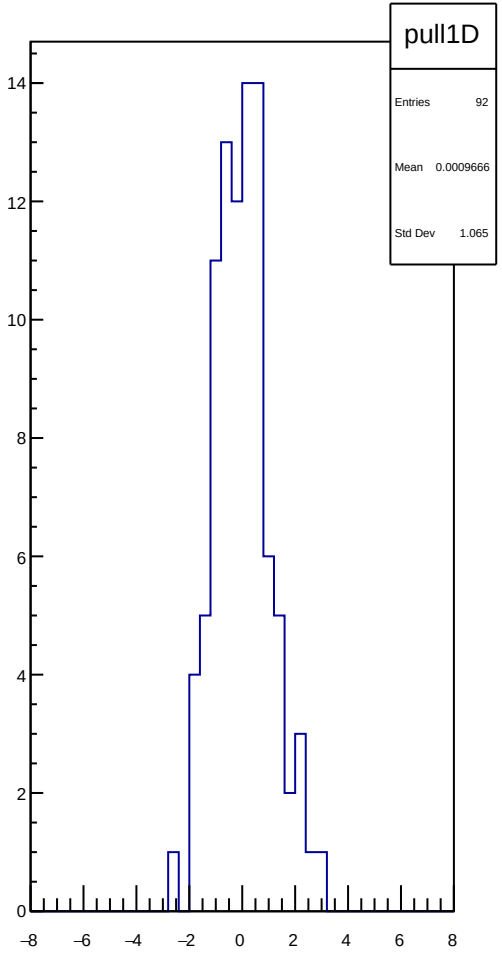

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3811 / 91
p0 448.9 ± 0.3423
520
500
480
460
440
420
400
380

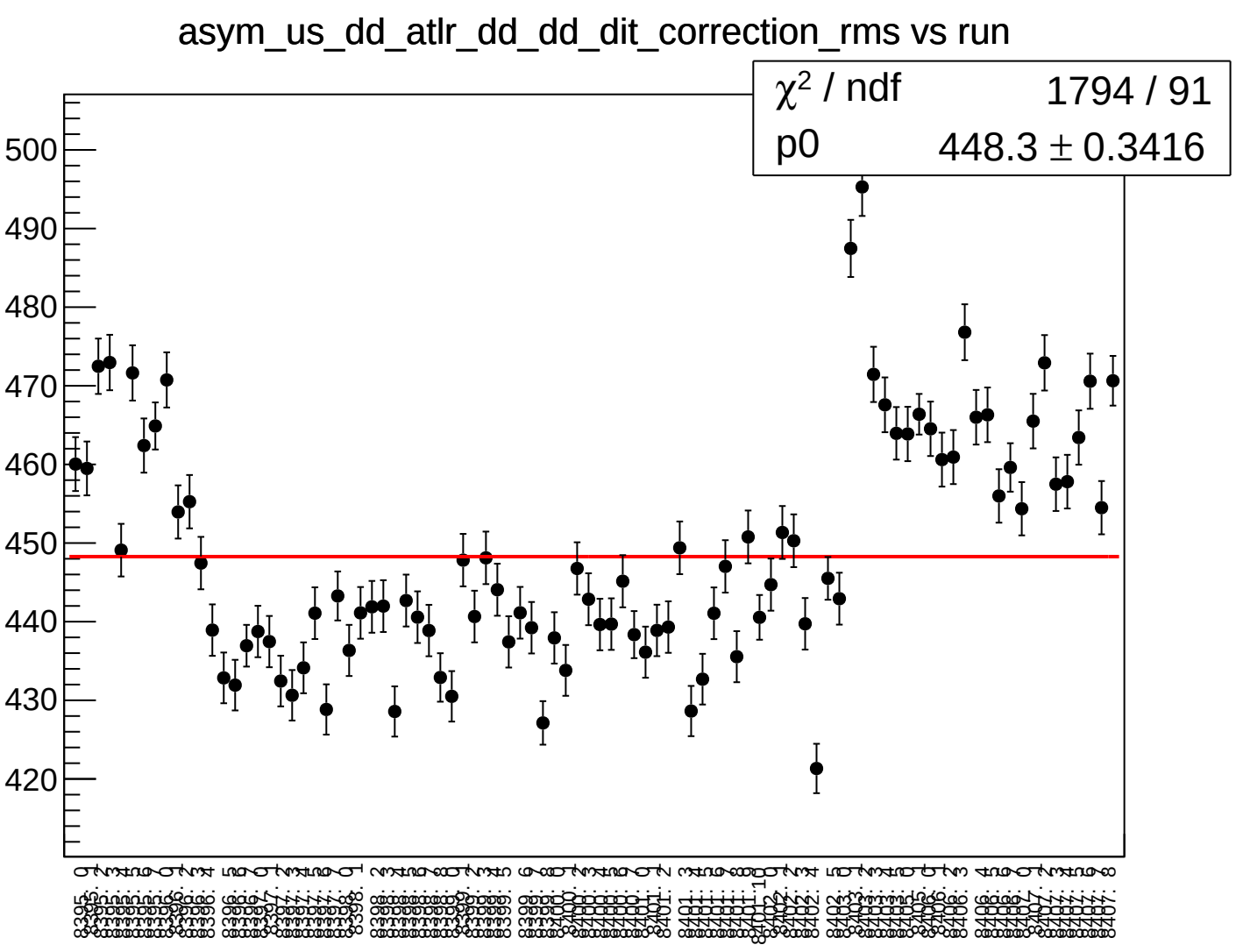

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 90.75 / 91
p0 1369 ± 1185
pull
Entries 92
Mean 3035
Std Dev 0

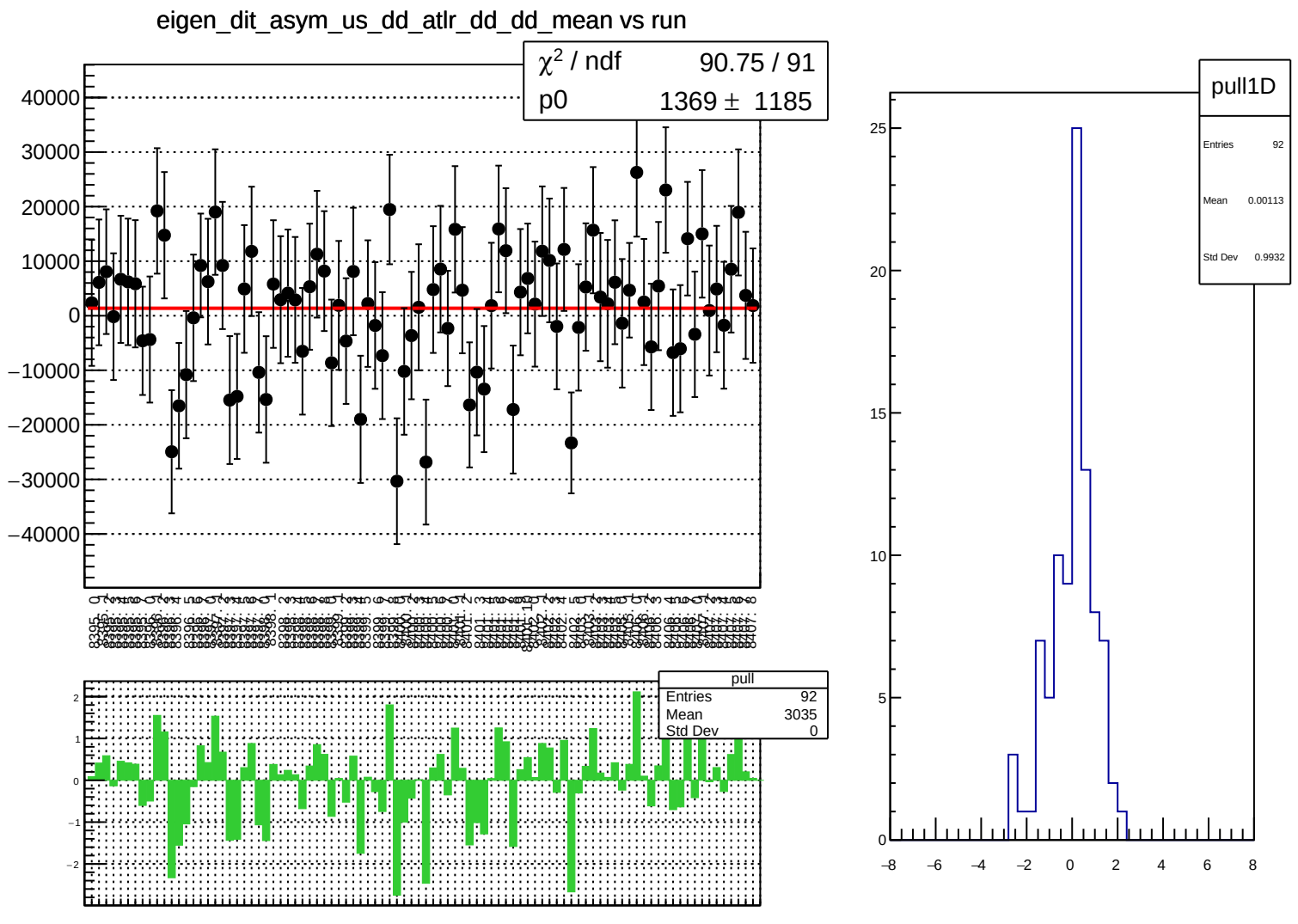

pull1D
Entries 92
Mean 0.00113
Std Dev 0.9932

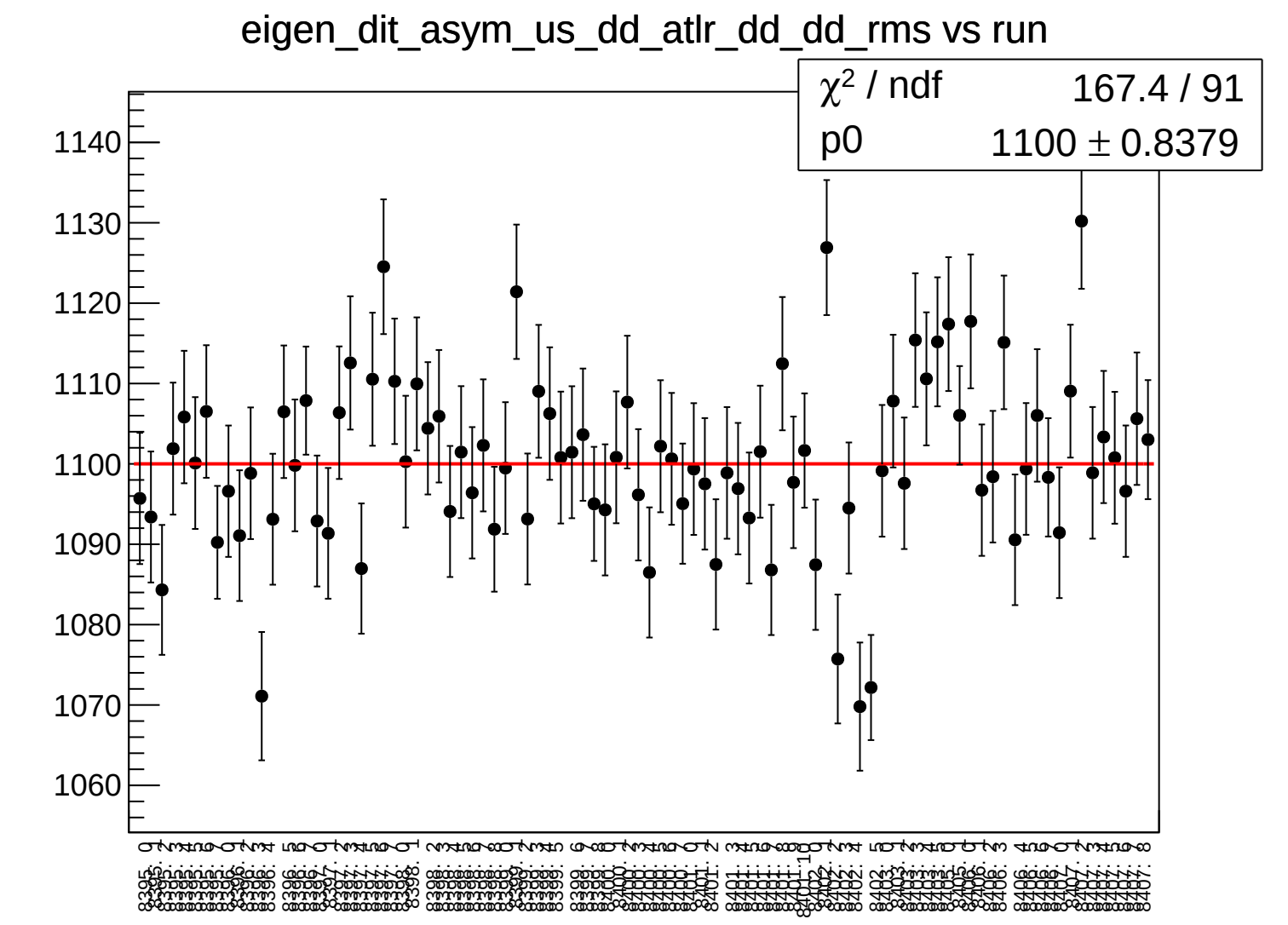

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 167.4 / 91
p0 1100 ± 0.8379
1140
1130
1120
1110
1100
1090
1080
1070
1060

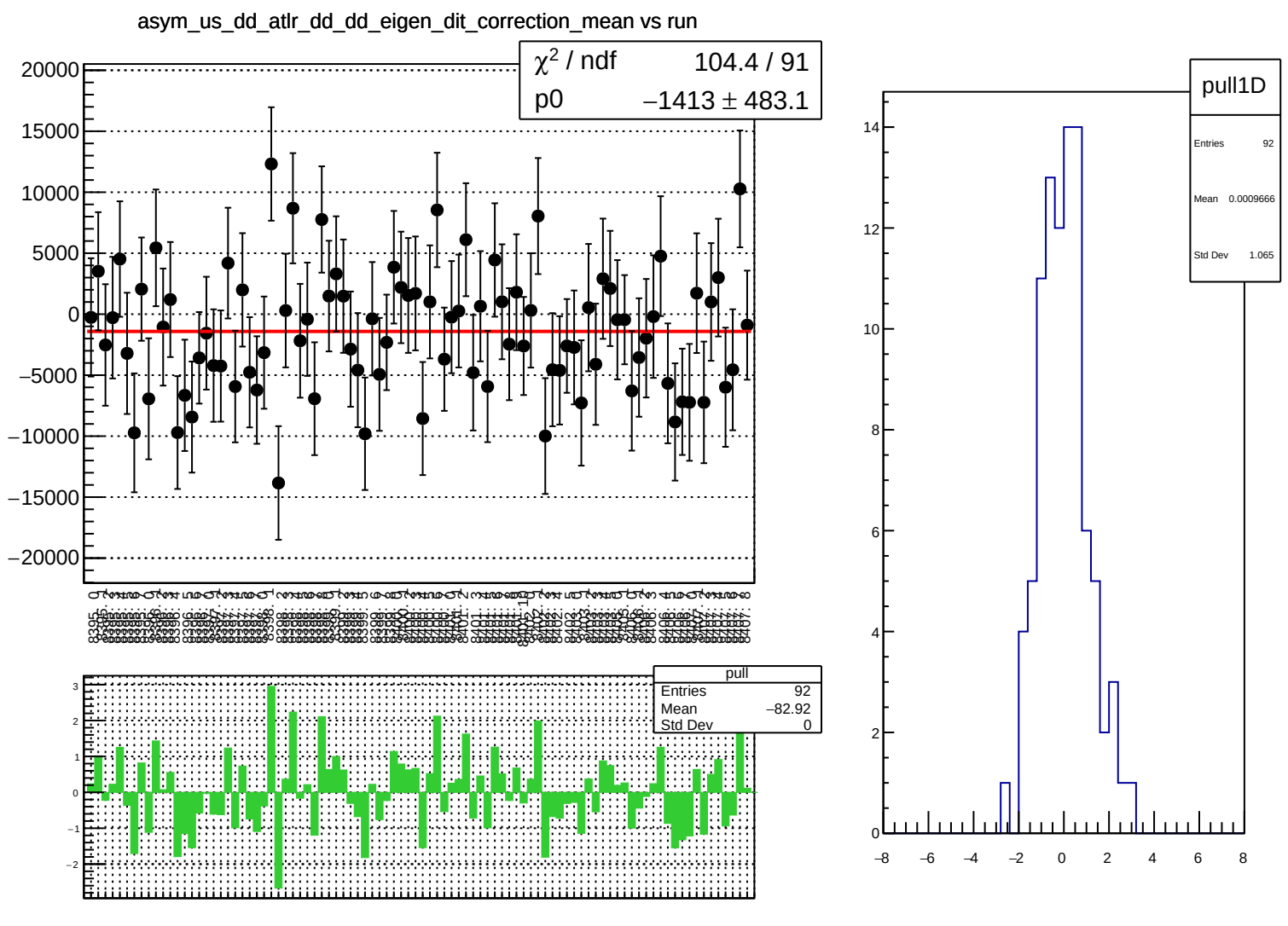

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 104.4 / 91
p0 −1413 ± 483.1
pull
Entries 92
Mean −82.9
Std Dev 0

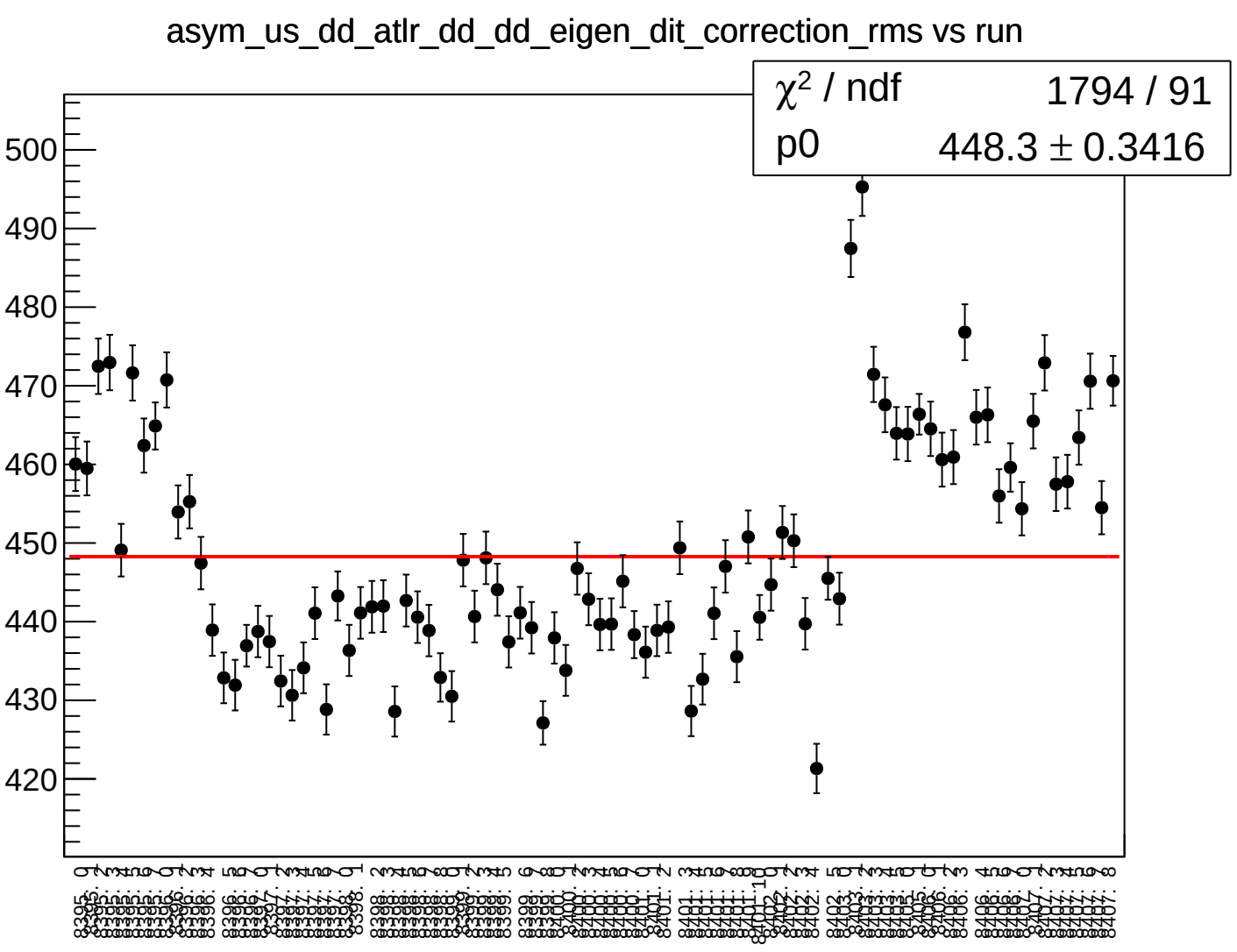

pull1D
Entries 92
Mean 0.0009666
Std Dev 1.065

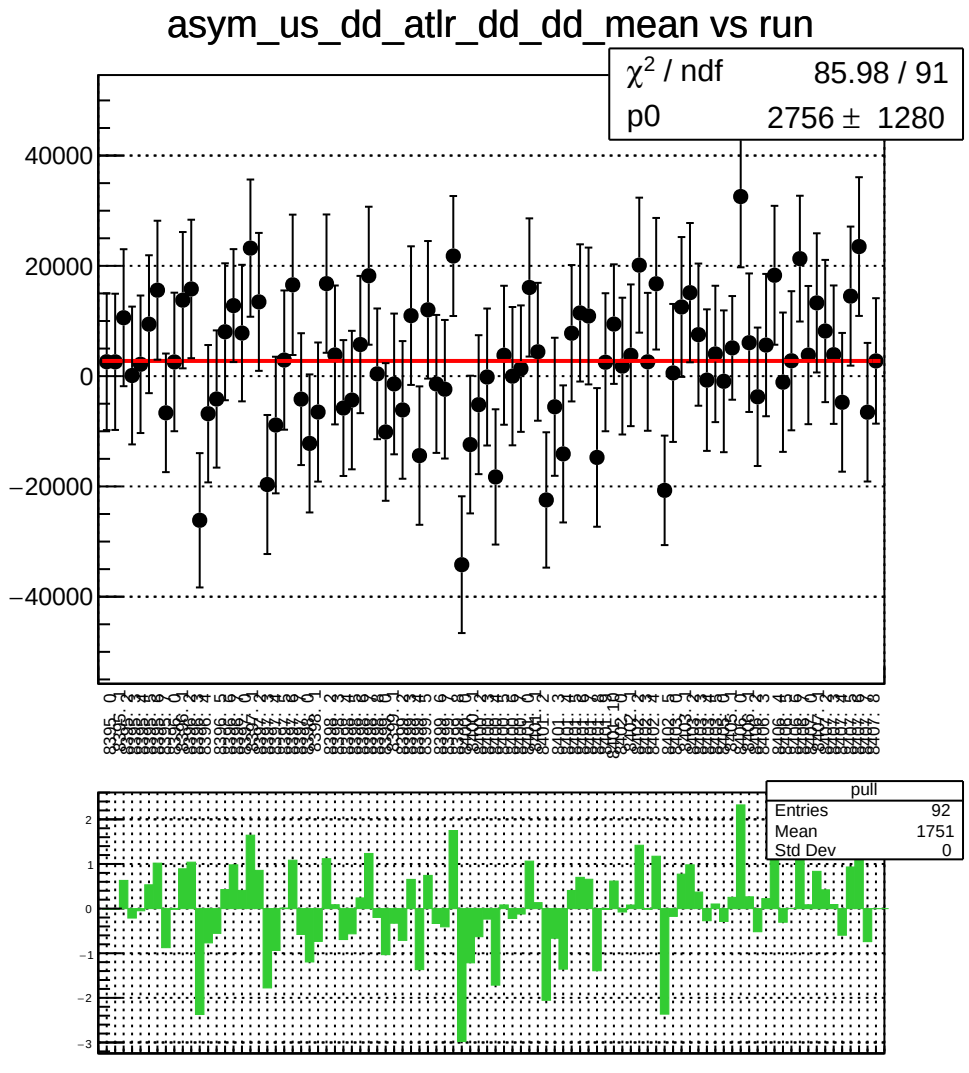

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1794 / 91
p0 448.3 ± 0.3416
500
490
480
470
460
450
440
430
420

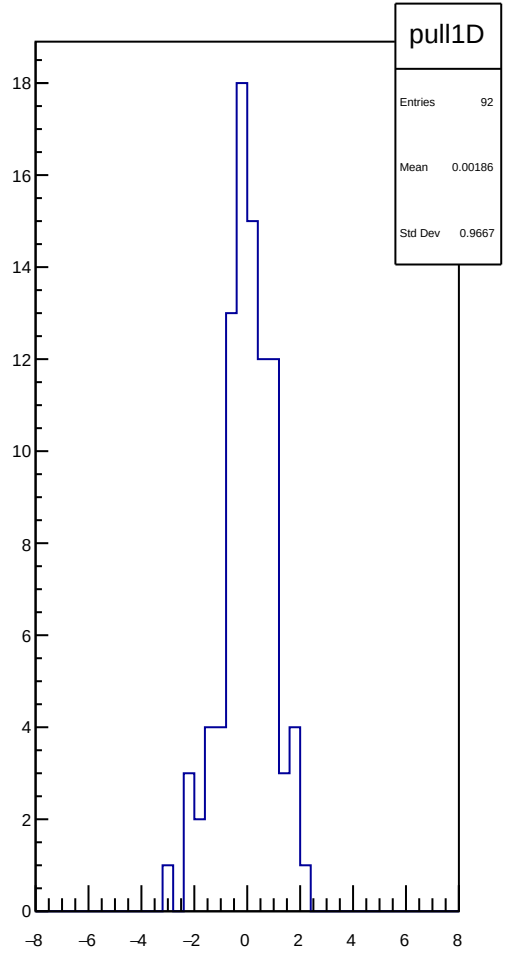

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 90.75 / 91
p0 1369 ± 1185
pull
Entries 92
Mean 3035
Std Dev 0
pull1D
Entries 92
Mean 0.00113
Std Dev 0.9932

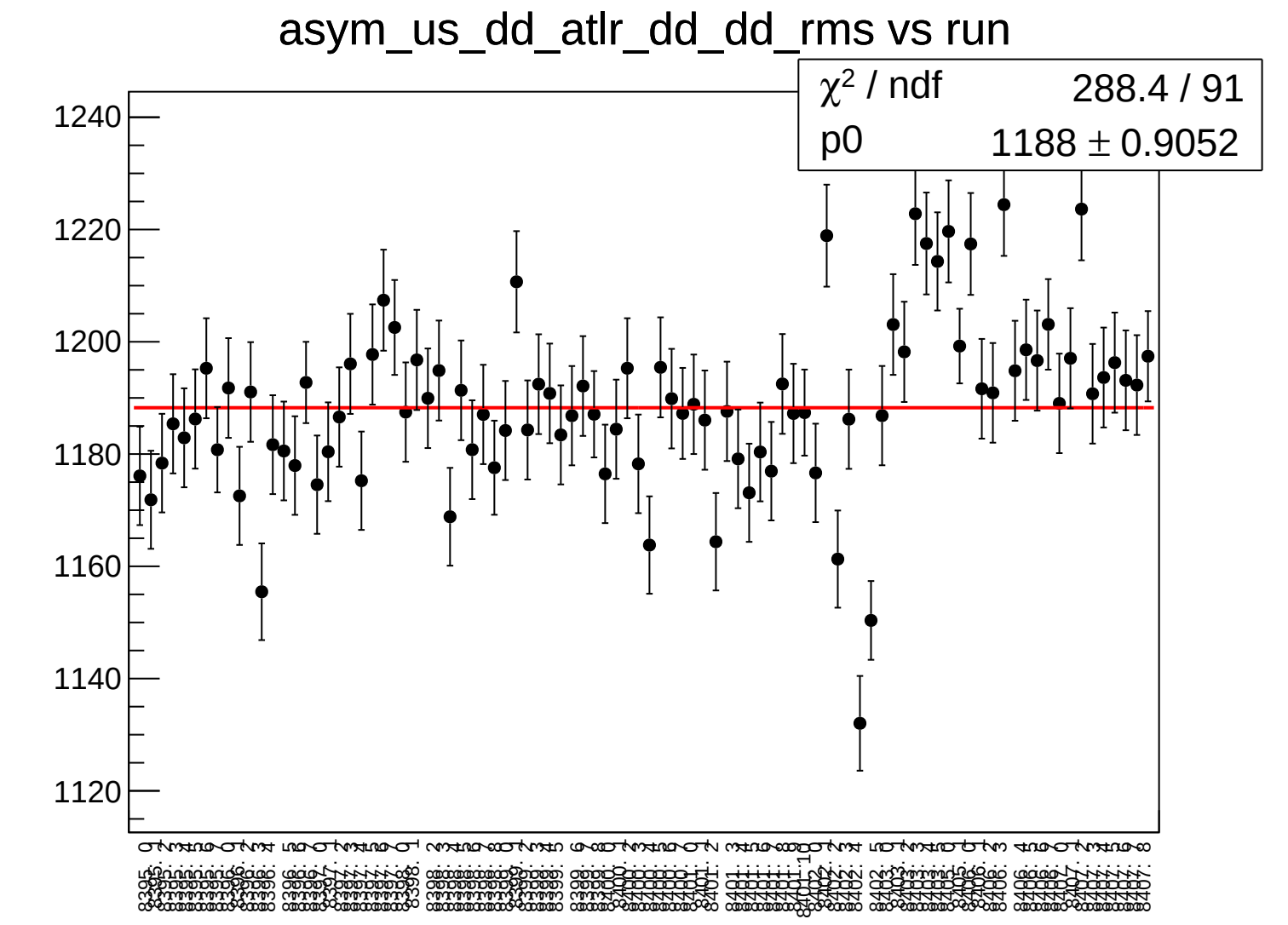

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
$\chi^2$ / ndf 167.4 / 91
p0 1100 ± 0.8379
1140
1130
1120
1110
1100
1090
1080
1070
1060

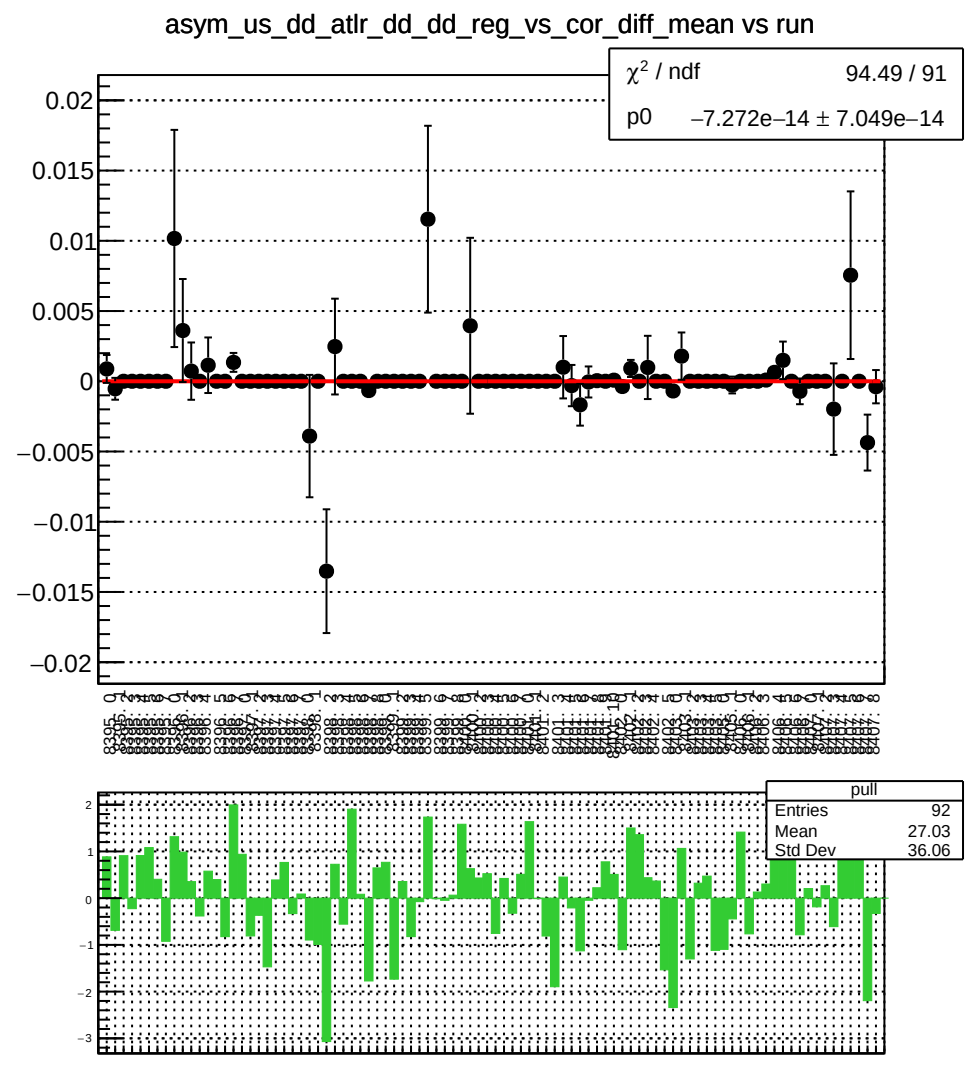

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 104.4 / 91
p0 −1413 ± 483.1
pull
Entries 92
Mean −82.92
Std Dev 0
pull1D
Entries 92
Mean 0.0009666
Std Dev 1.065

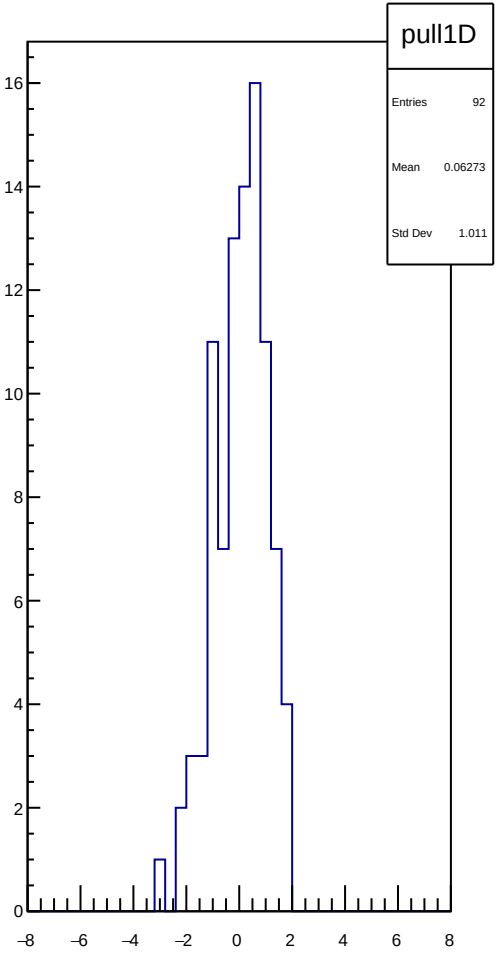

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1794 / 91
p0 448.3 ± 0.3416
500
490
480
470
460
450
440
430
420

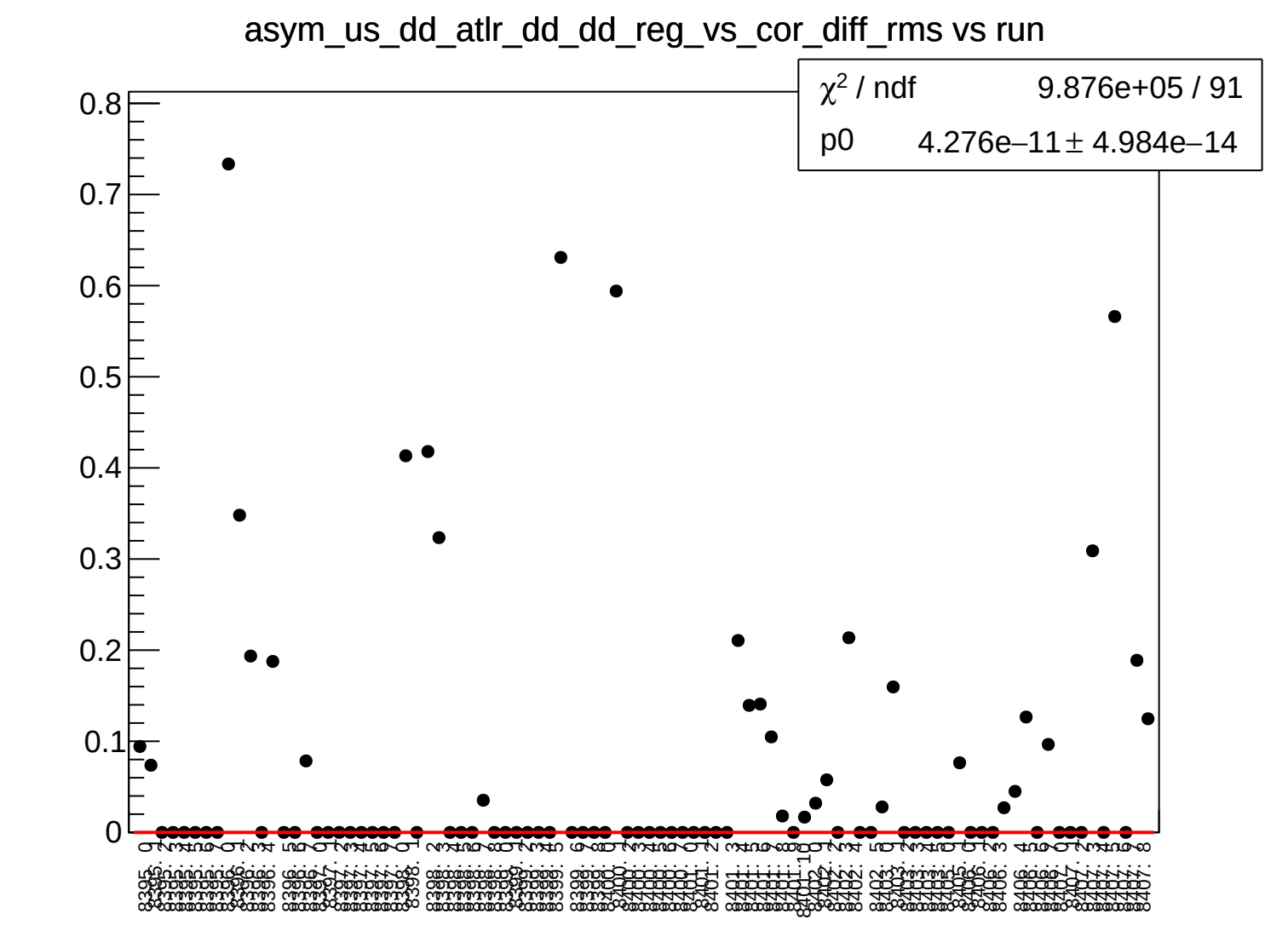

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 85.98 / 91
p0 2756 ± 1280
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 1751
Std Dev 0
2
1
0
−1
−2
−3

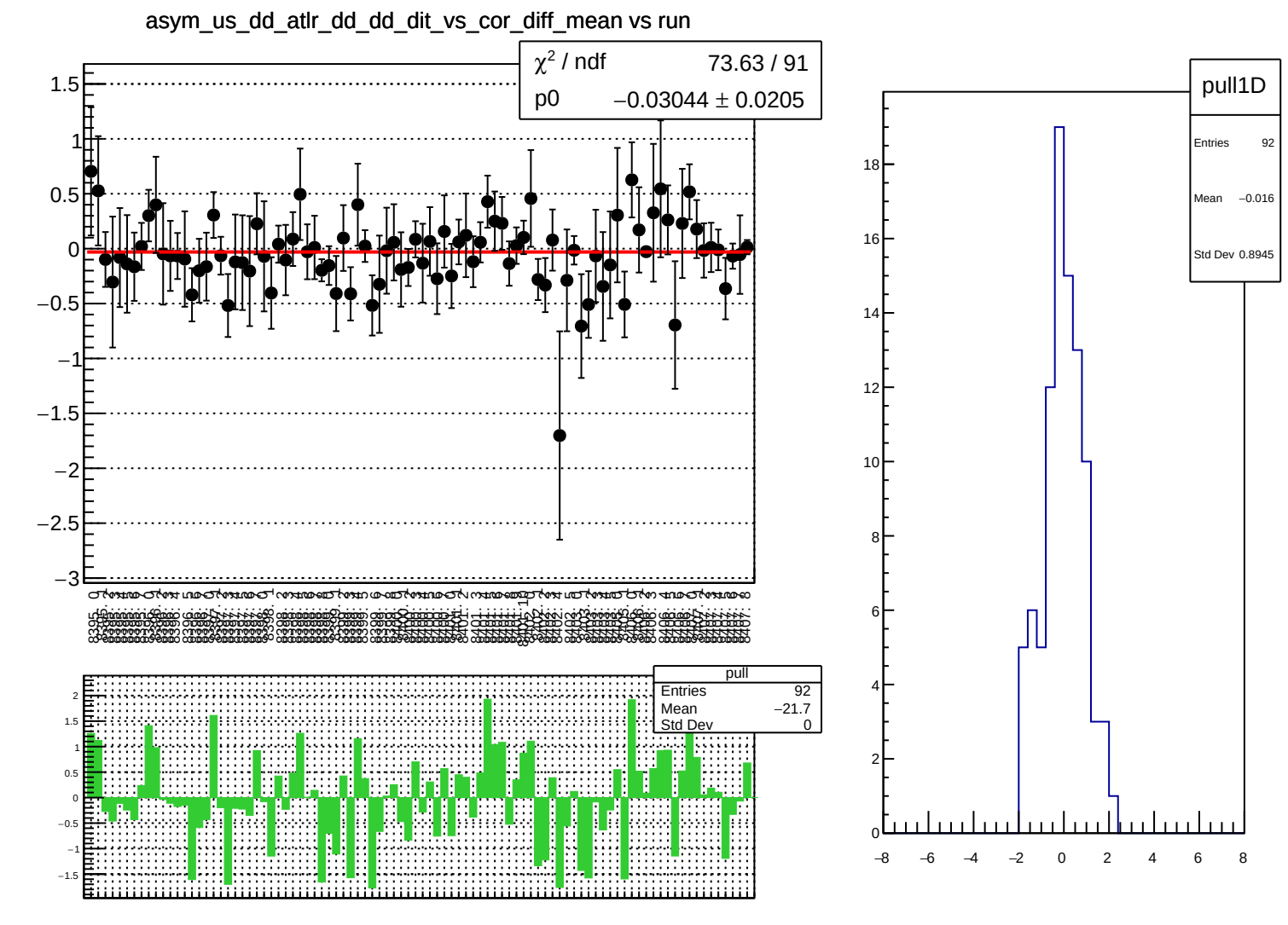

pull1D
Entries 92
Mean 0.00186
Std Dev 0.9667
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

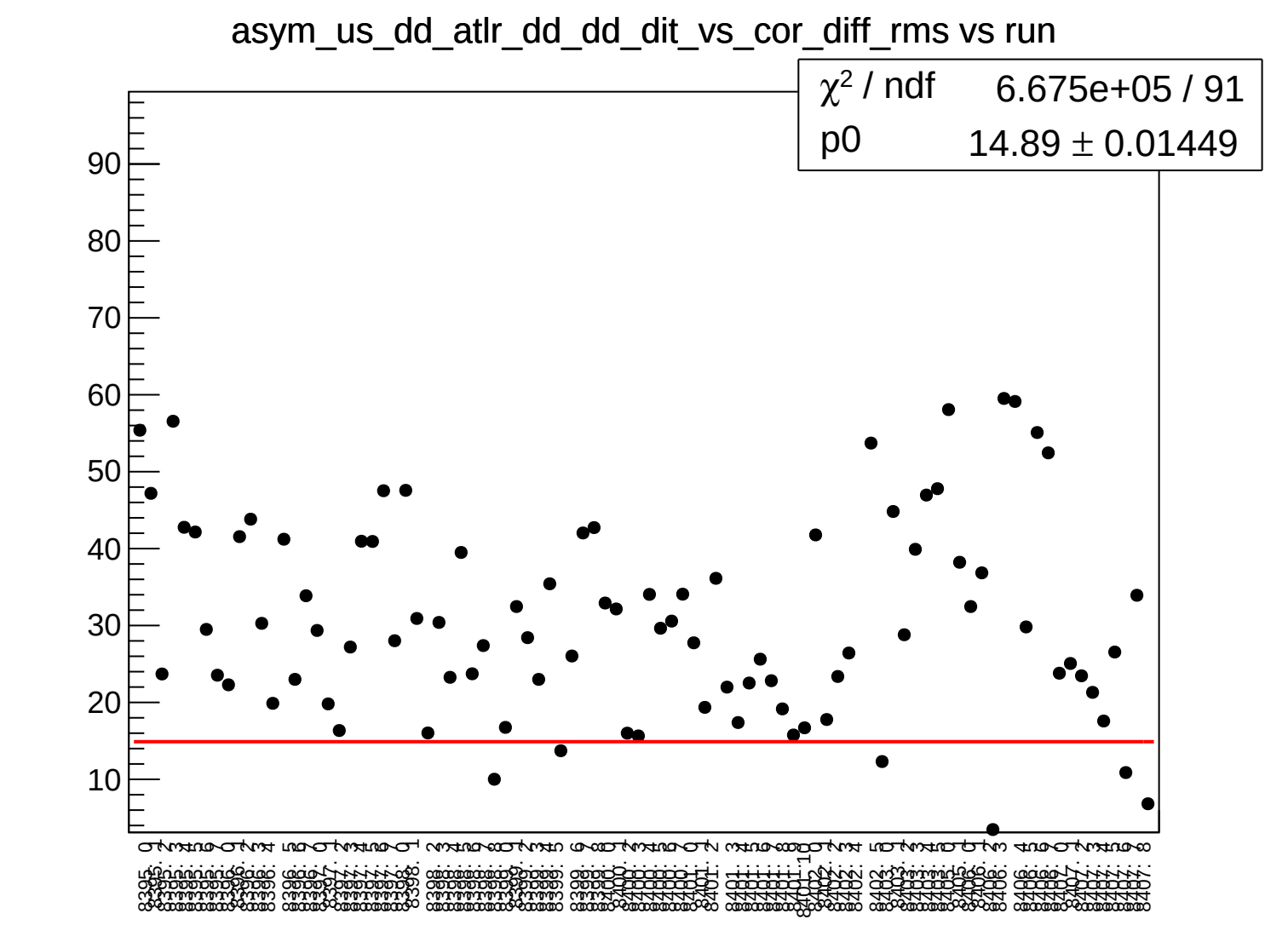

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 288.4 / 91
p0 1188 ± 0.9052
1240
1220
1200
1180
1160
1140
1120

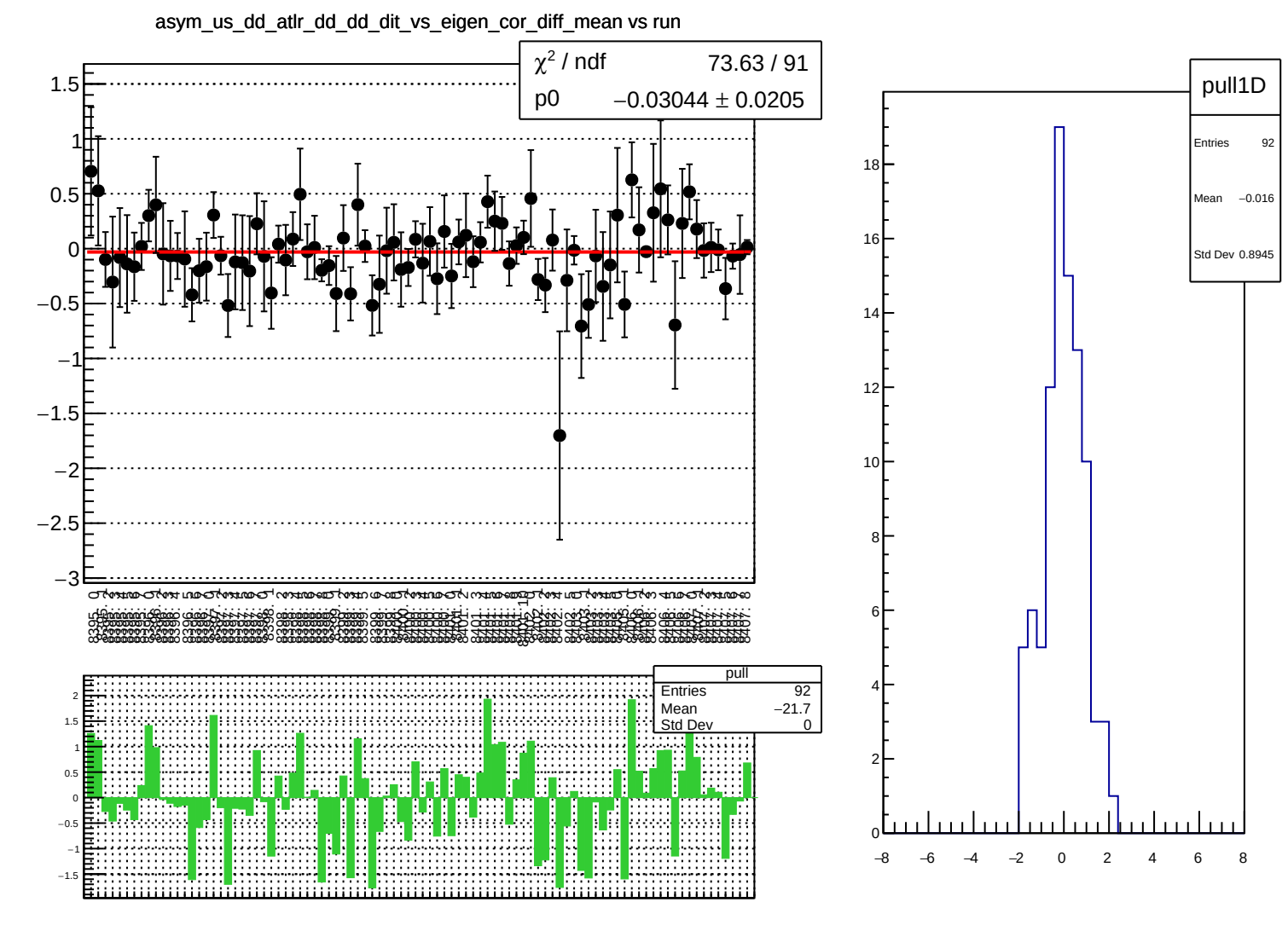

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 94.49 / 91
p0 −7.272e−14 ± 7.049e−14
pull
Entries 92
Mean 27.03
Std Dev 36.06

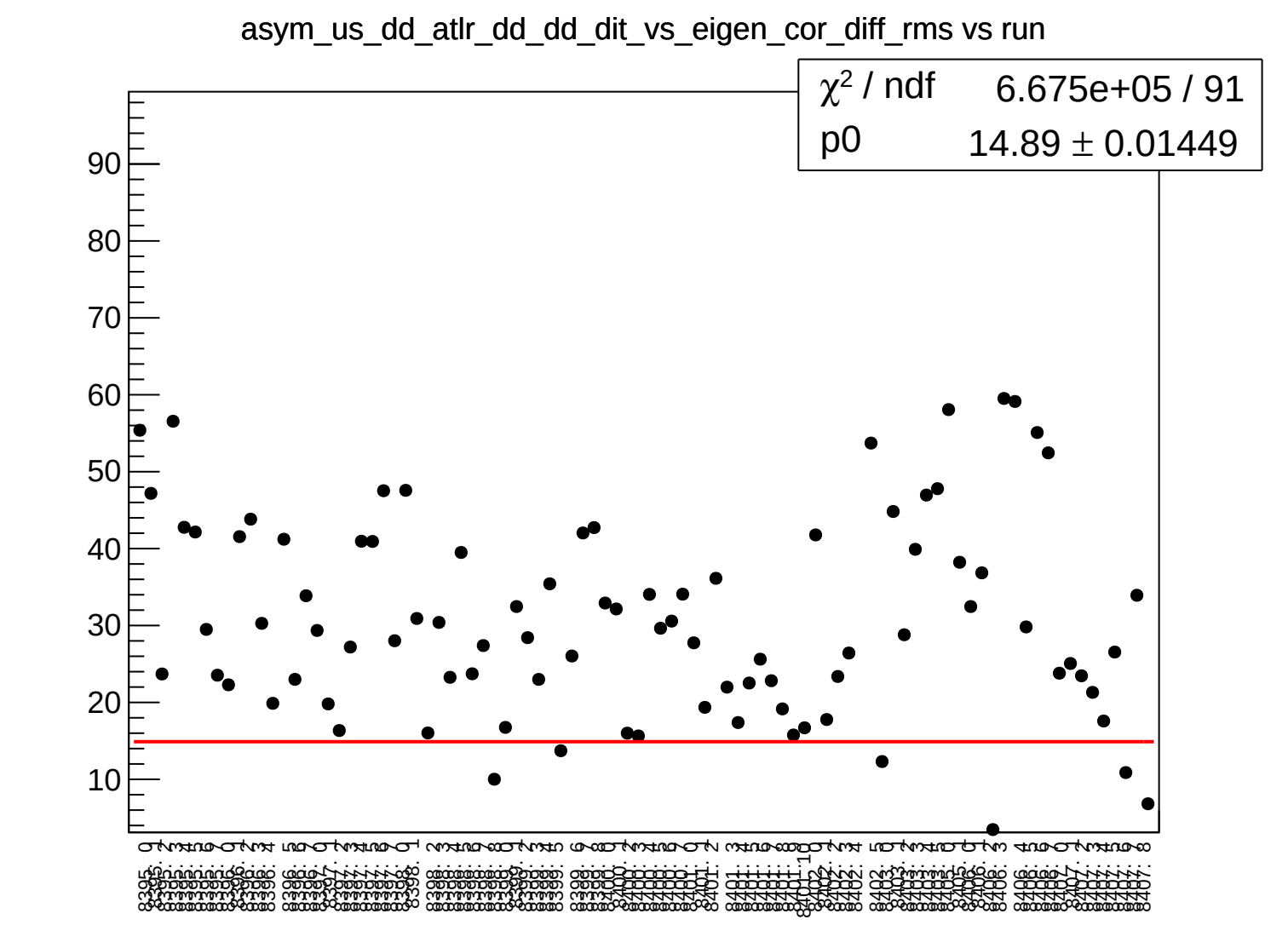

pull1D
Entries 92
Mean 0.06273
Std Dev 1.011

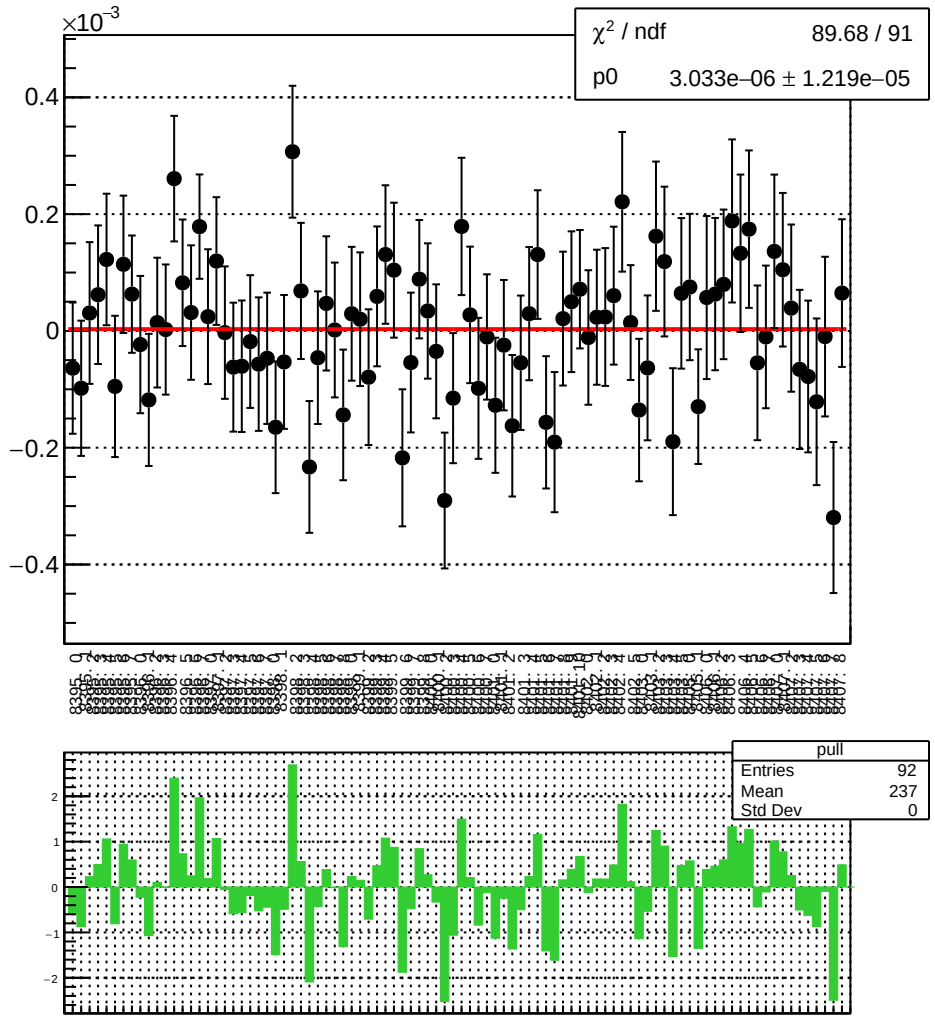

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.876e+05 / 91
p0 4.276e−11 ± 4.984e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

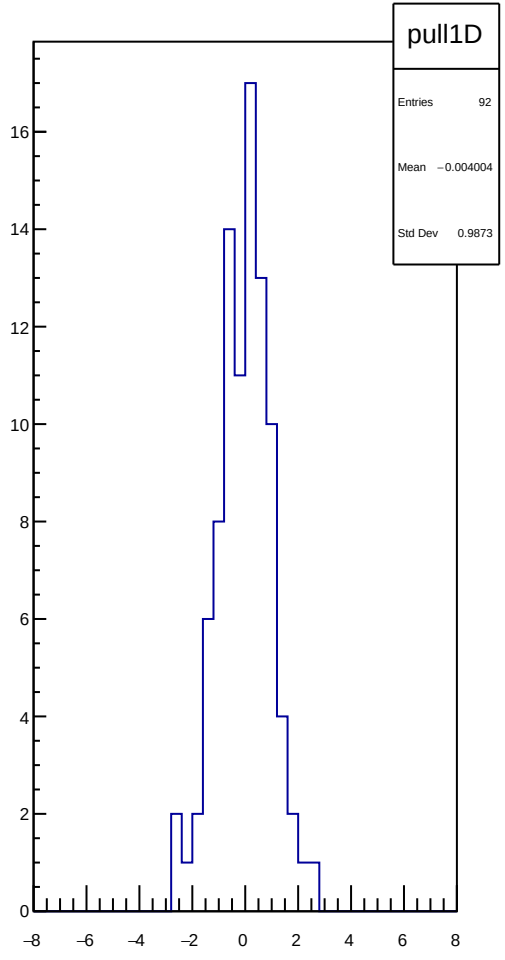

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.63 / 91
p0 −0.03044 ± 0.0205
pull
Entries 92
Mean −21.7
Std Dev 0
pull1D
Entries 92
Mean −0.016
Std Dev 0.8945

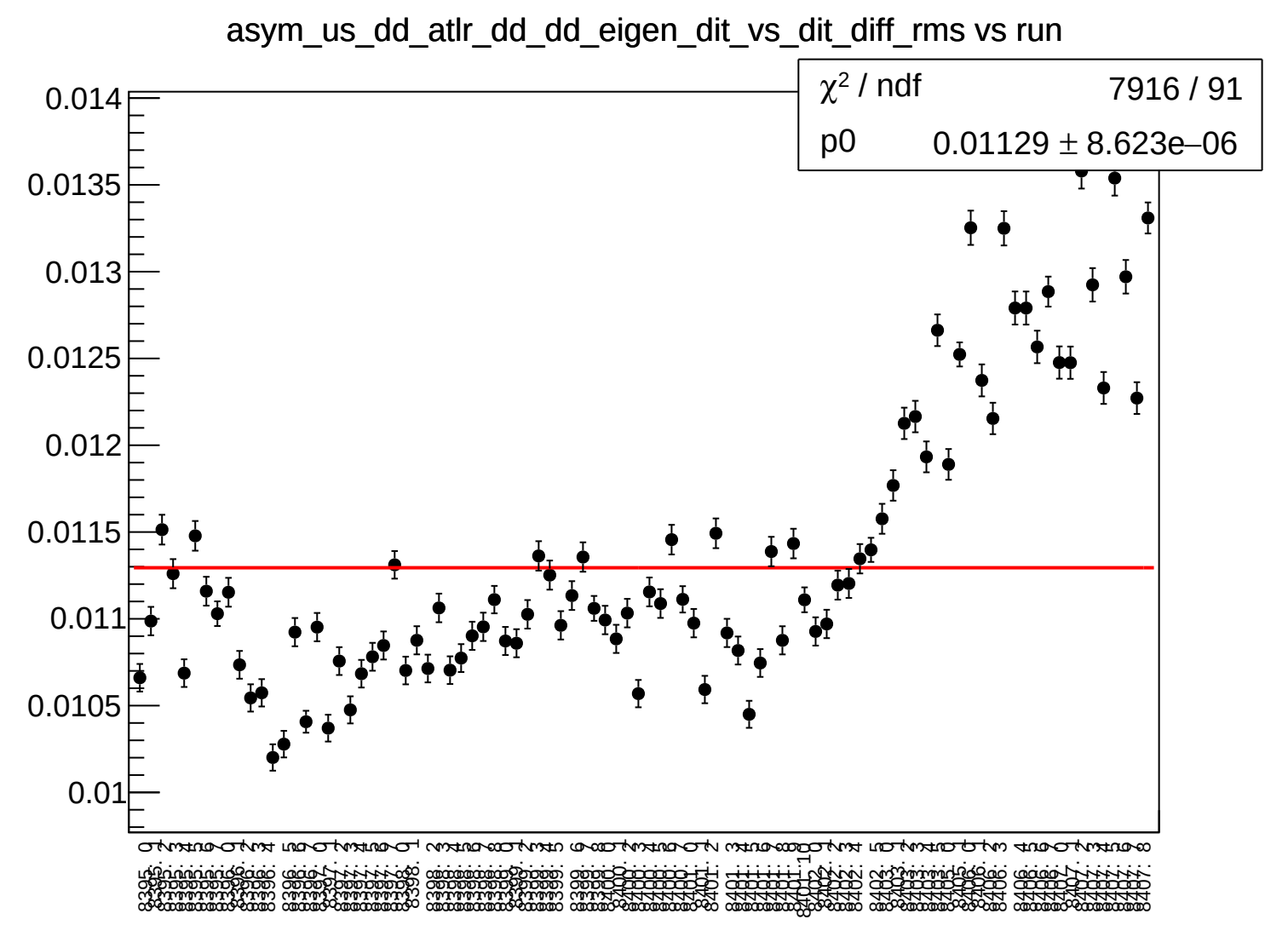

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.675e+05 / 91
p0 14.89 ± 0.01449
90
80
70
60
50
40
30
20
10

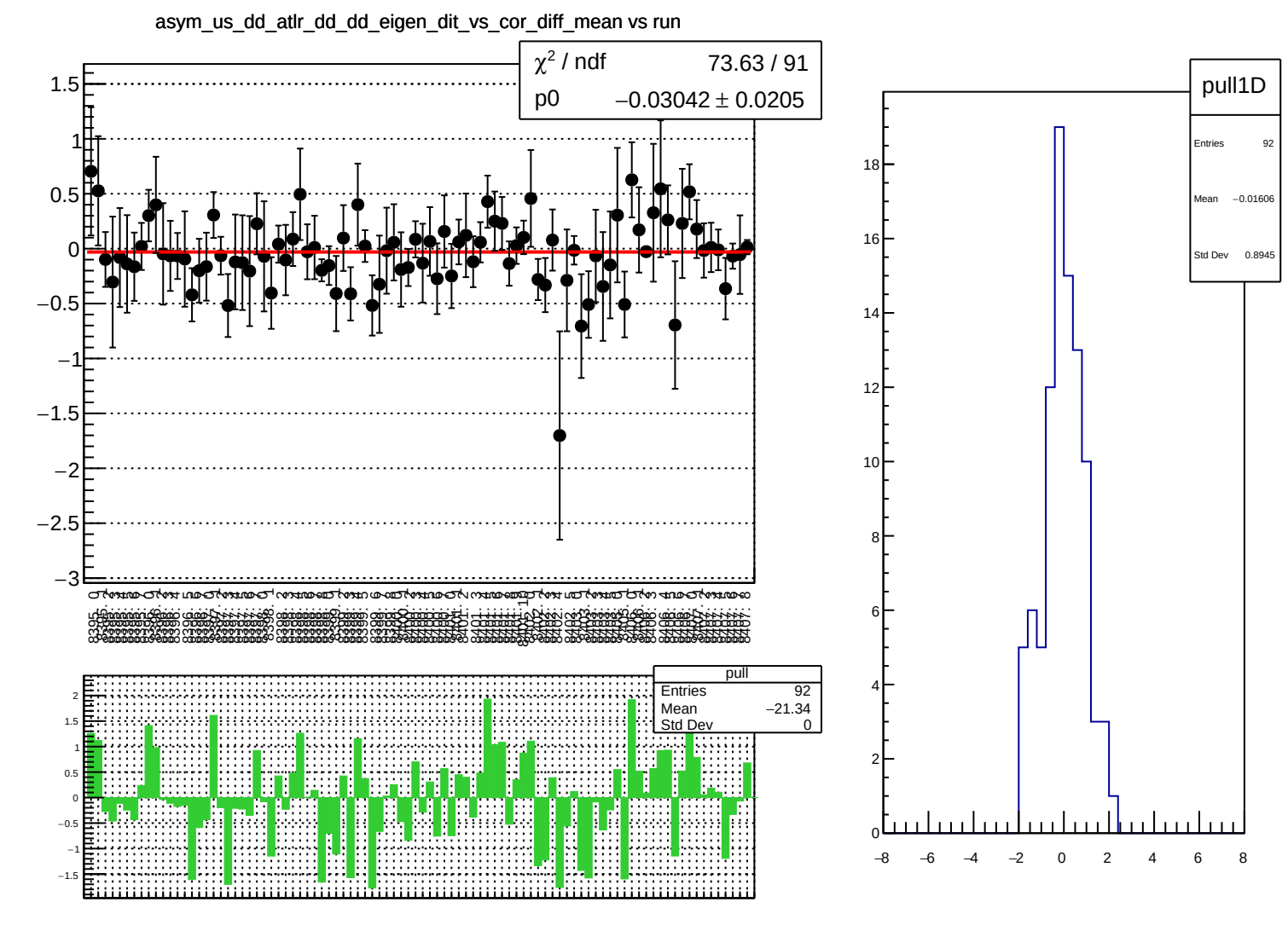

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.63 / 91
p0 −0.03044 ± 0.0205
pull
Entries 92
Mean −21.7
Std Dev 0
pull1D
Entries 92
Mean −0.016
Std Dev 0.8945

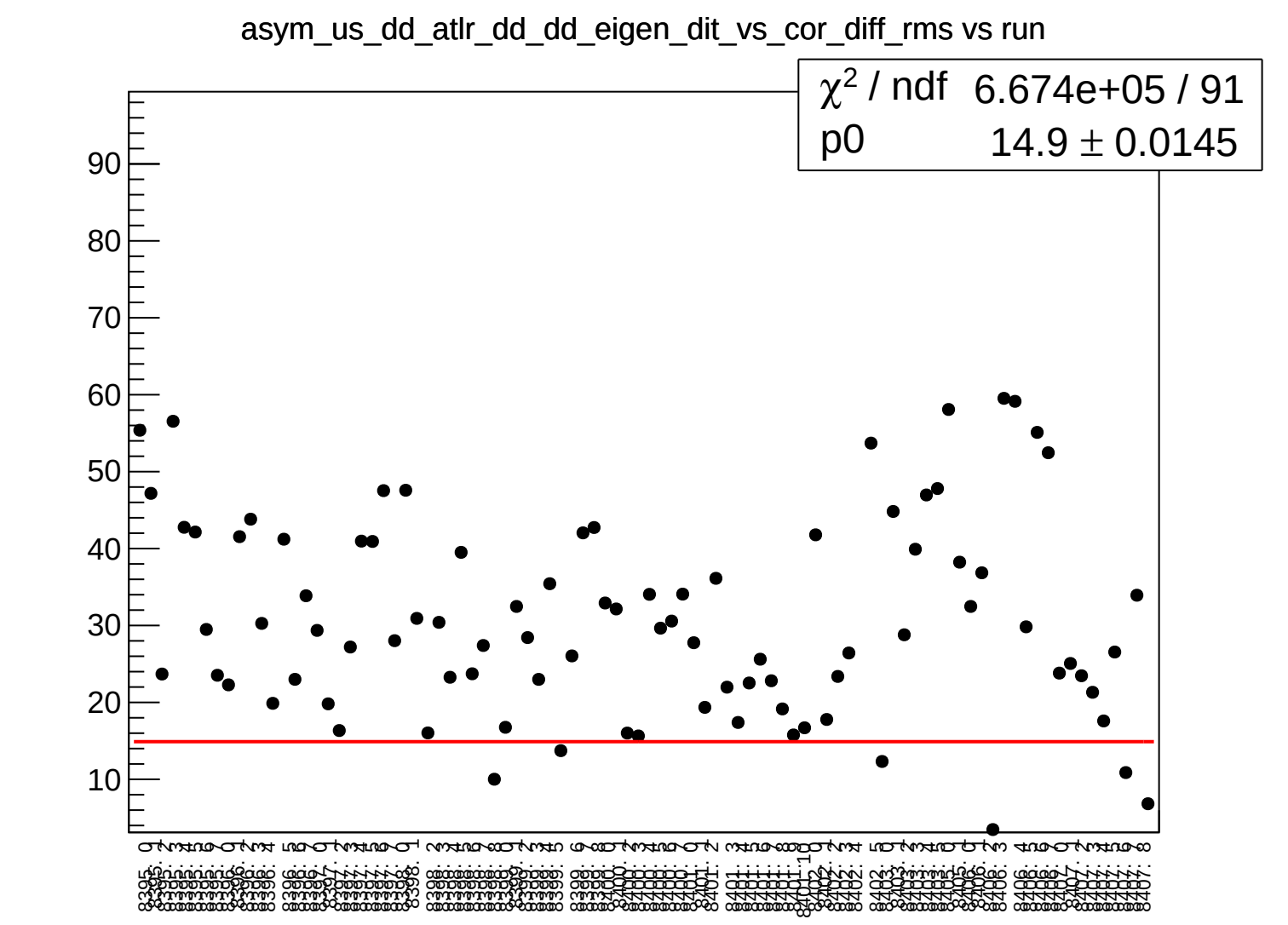

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.675e+05 / 91
p0 14.89 ± 0.01449
90
80
70
60
50
40
30
20
10

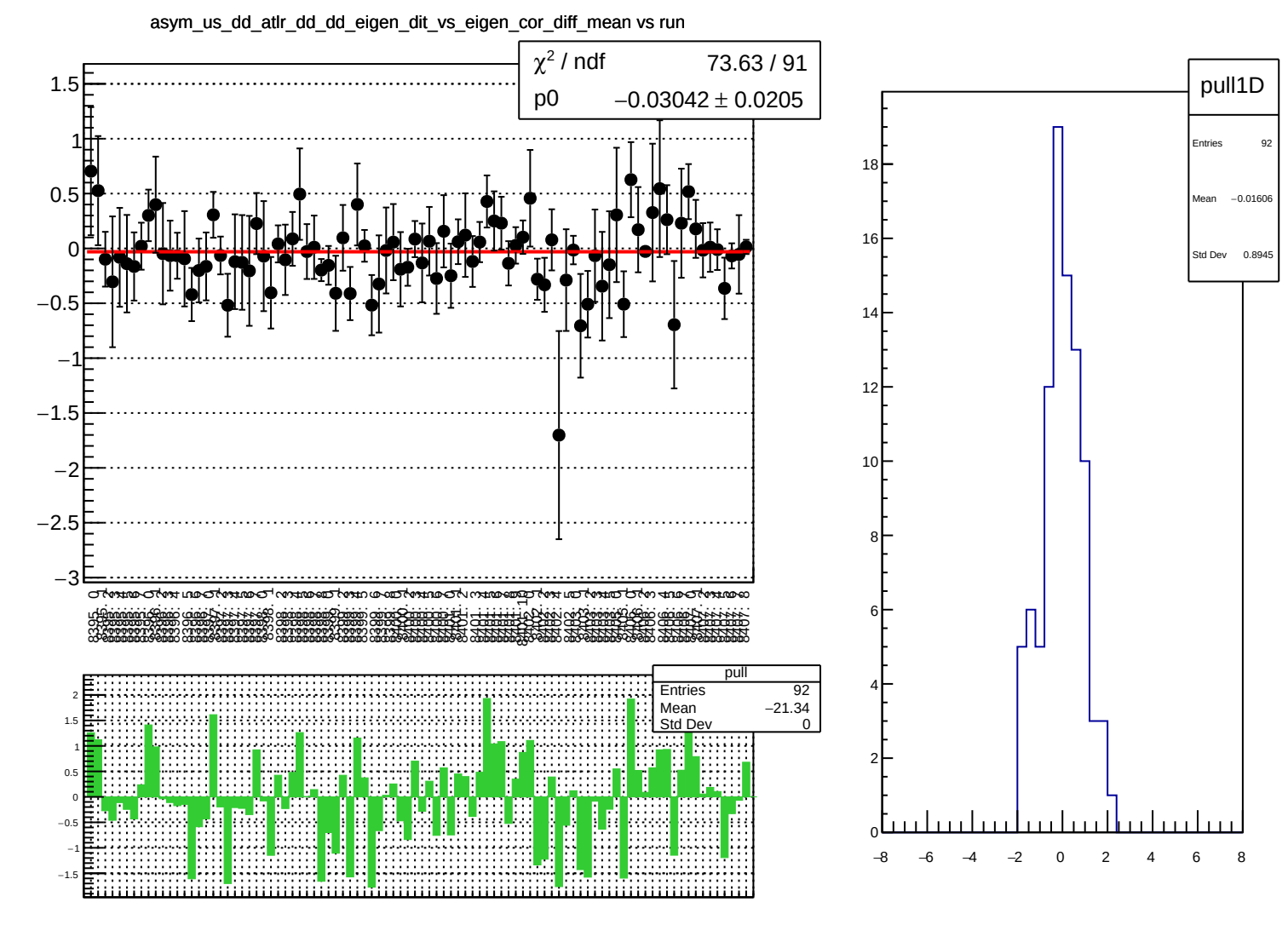

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.68 / 91
p0 3.033e−06 ± 1.219e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 92
Mean 237
Std Dev 0
2
1
0
−1
−2

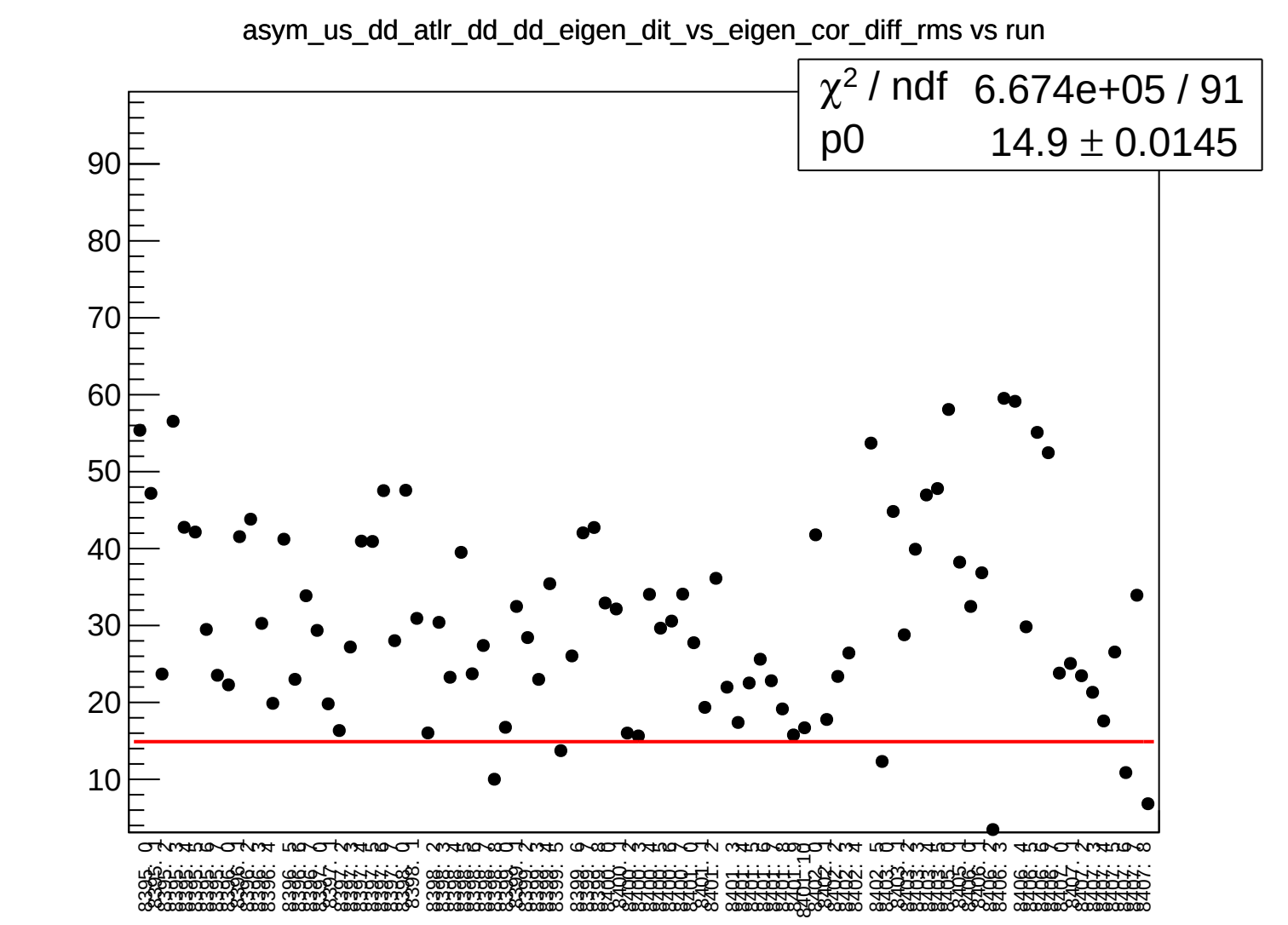

pull1D
Entries 92
Mean −0.004004
Std Dev 0.9873
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

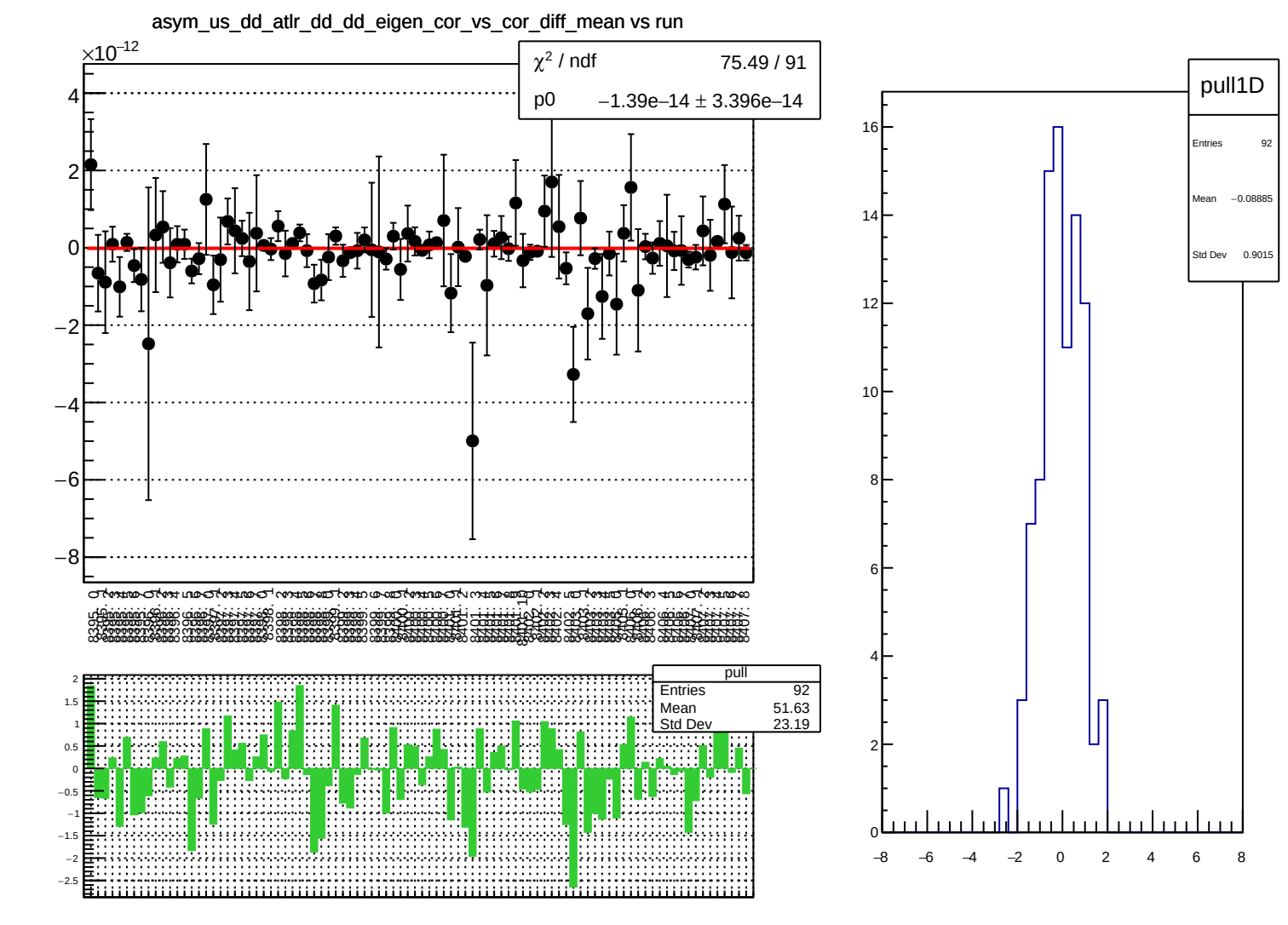

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7916 / 91
p0 0.01129 ± 8.623e−06
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01

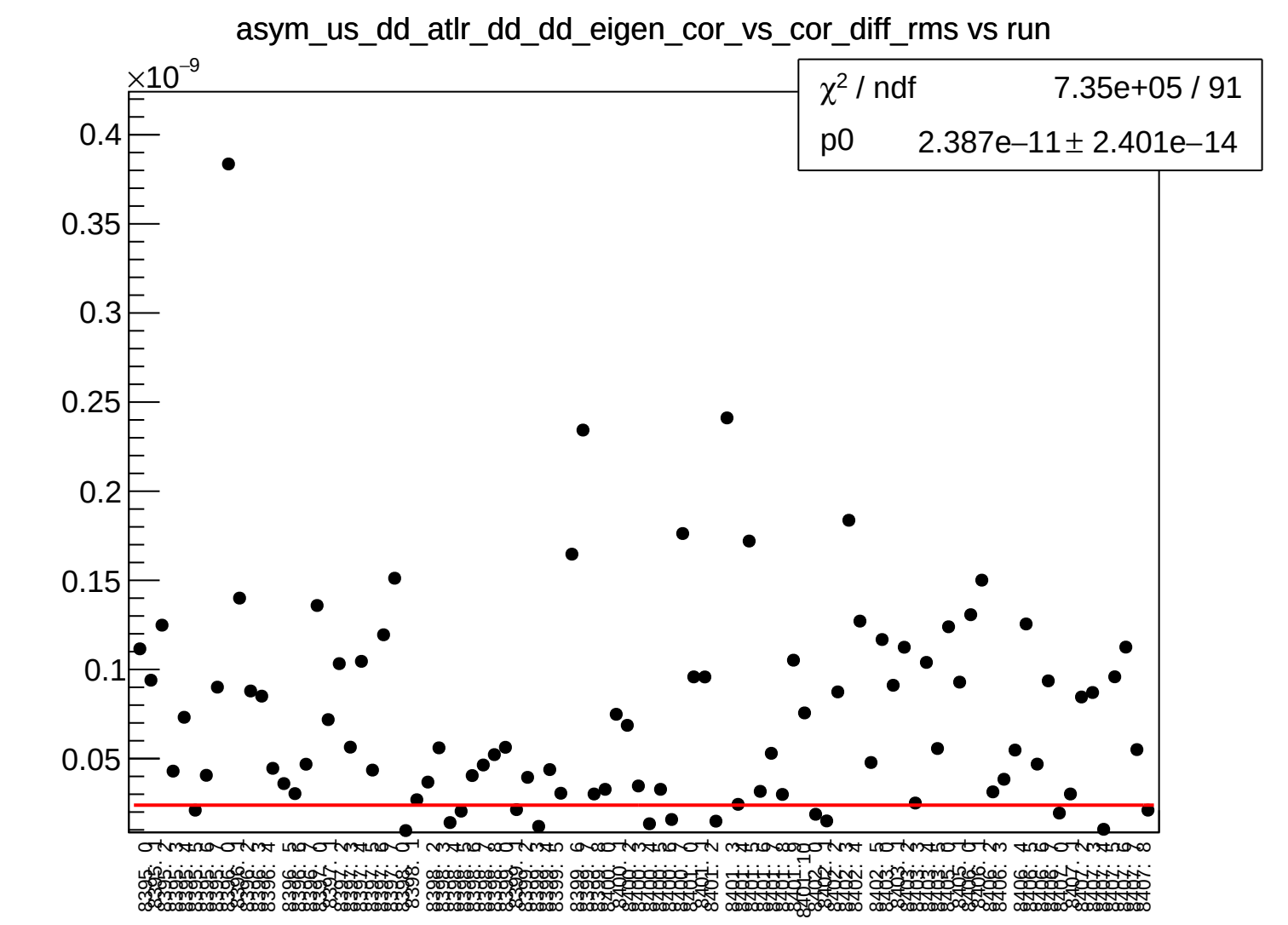

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.63 / 91
p0 −0.03042 ± 0.0205
pull
Entries 92
Mean −21.34
Std Dev 0
pull1D
Entries 92
Mean −0.01606
Std Dev 0.8945

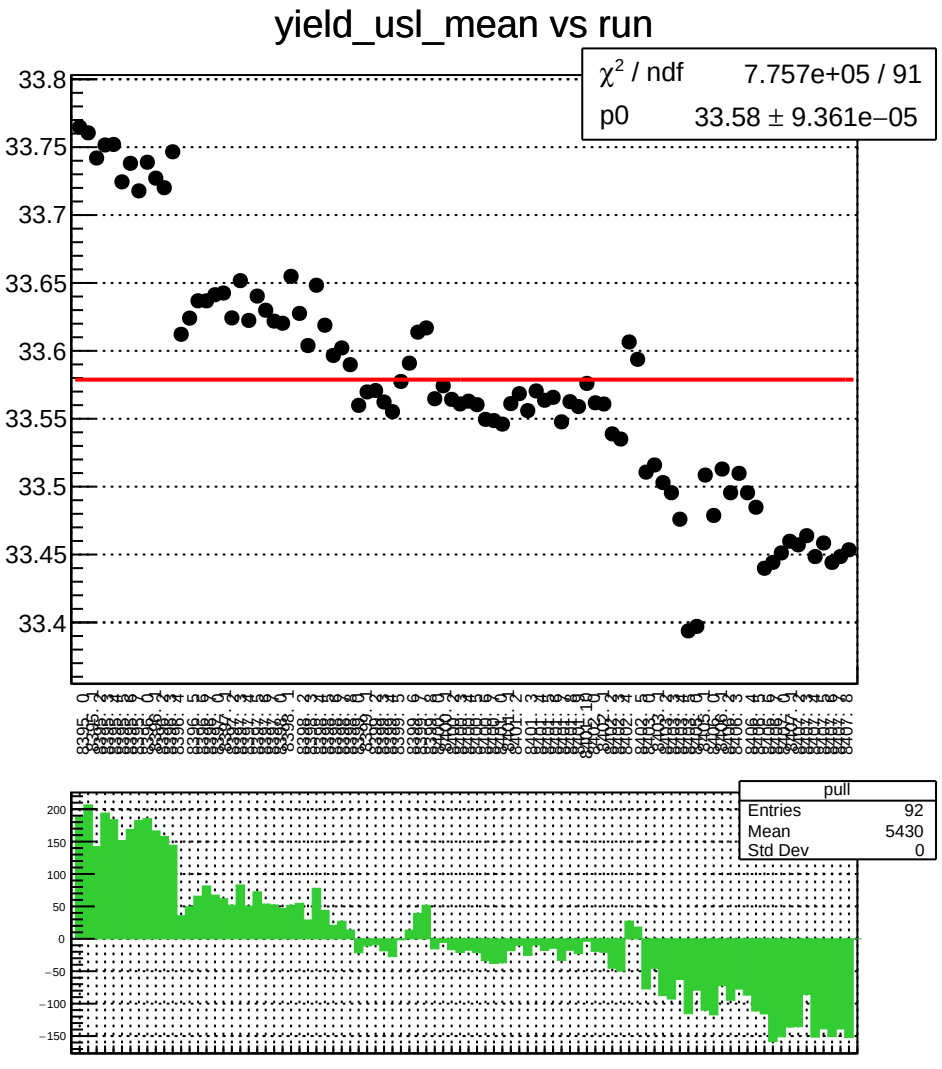

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.674e+05 / 91
p0 14.9 ± 0.0145
90
80
70
60
50
40
30
20
10

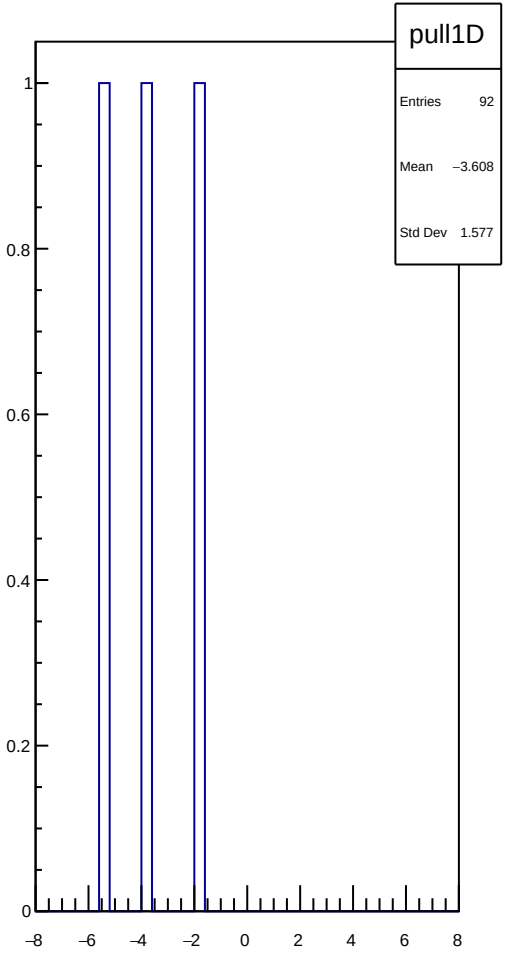

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.63 / 91
p0 −0.03042 ± 0.0205
pull
Entries 92
Mean −21.34
Std Dev 0
pull1D
Entries 92
Mean −0.01606
Std Dev 0.8945

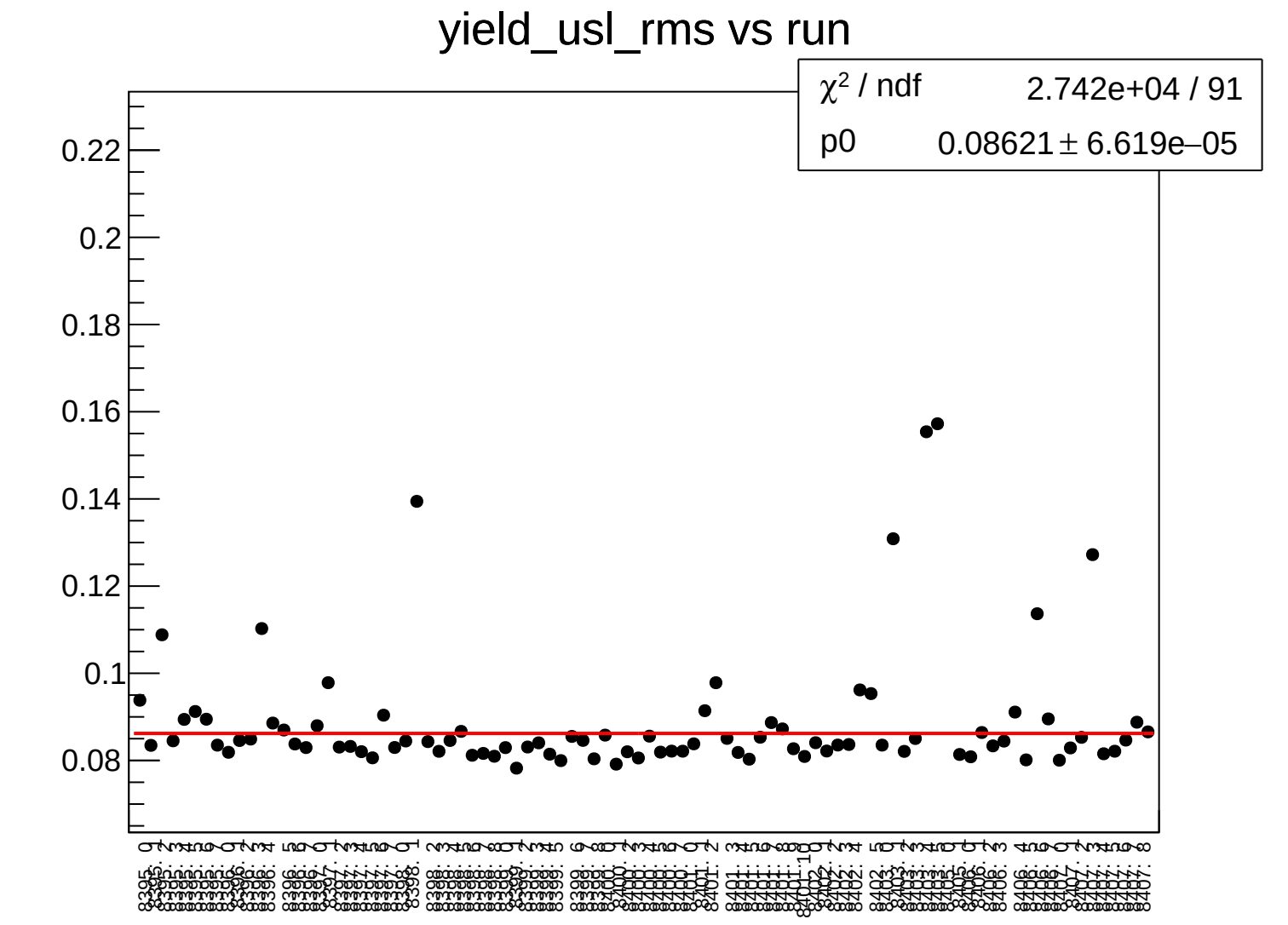

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.674e+05 / 91
p0 14.9 ± 0.0145
90
80
70
60
50
40
30
20
10

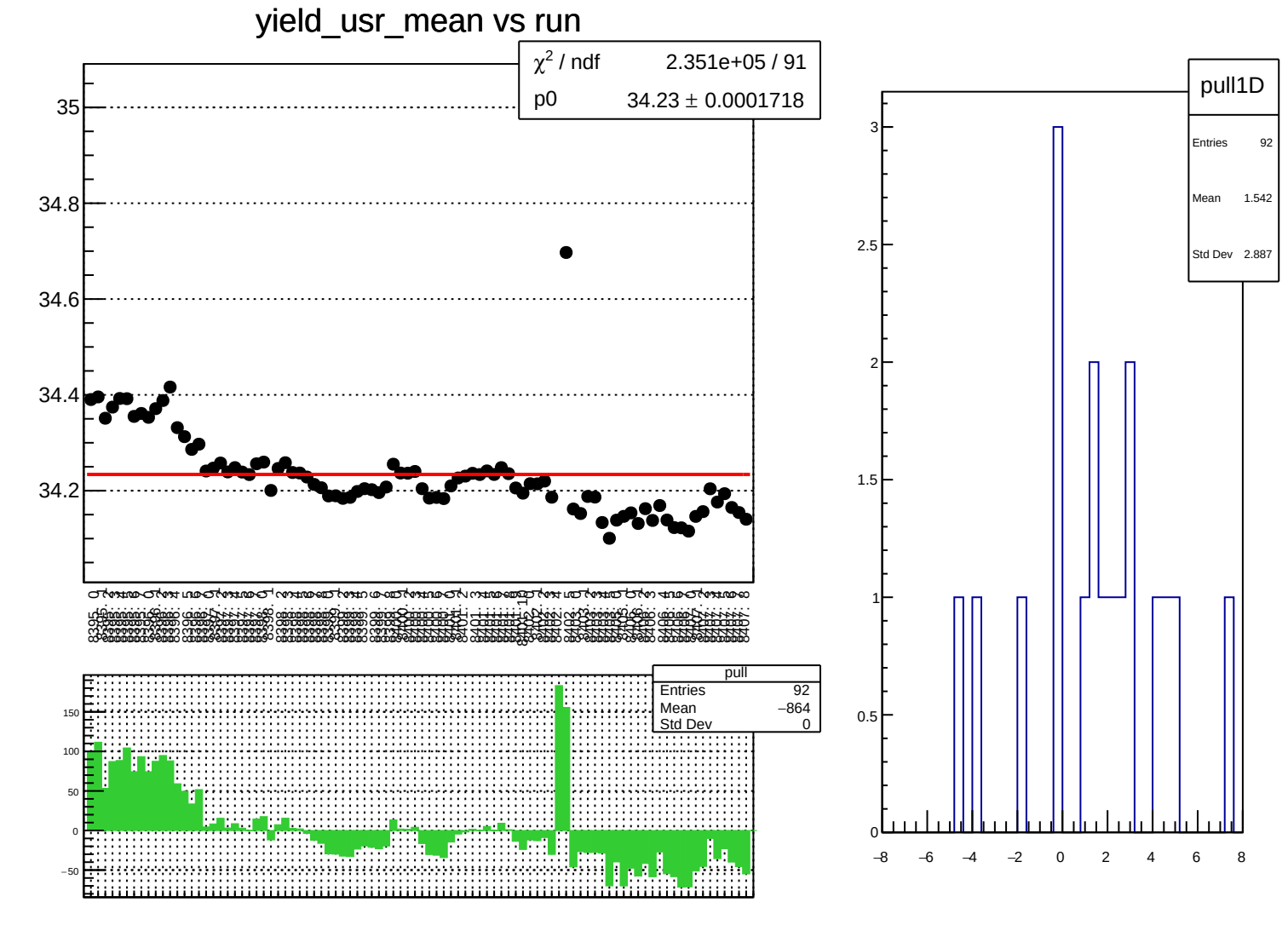

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.49 / 91
p0 −1.39e−14 ± 3.396e−14
pull
Entries 92
Mean 51.63
Std Dev 23.19
pull1D
Entries 92
Mean −0.08885
Std Dev 0.9015

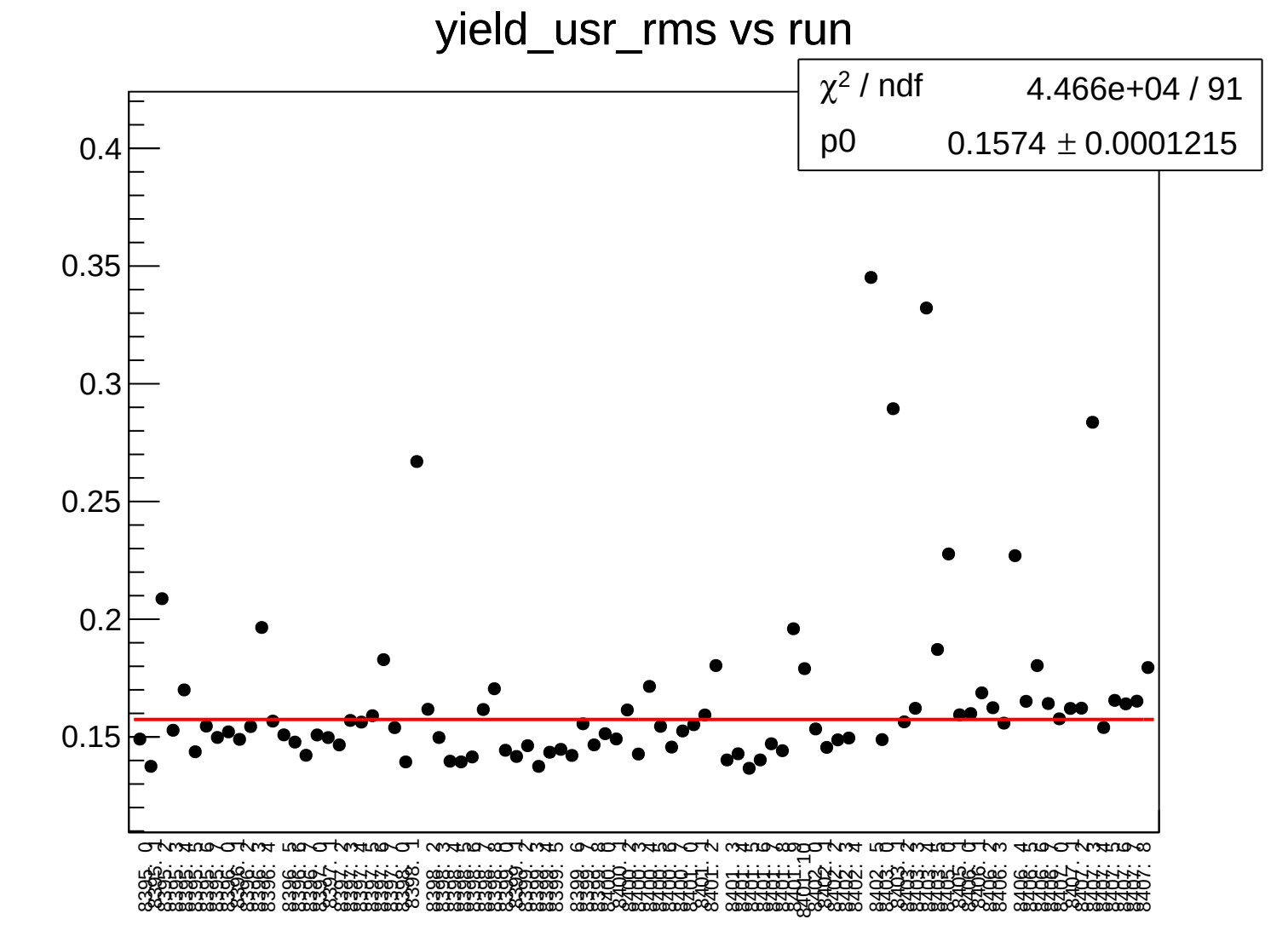

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.35e+05 / 91
p0 2.387e−11 ± 2.401e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

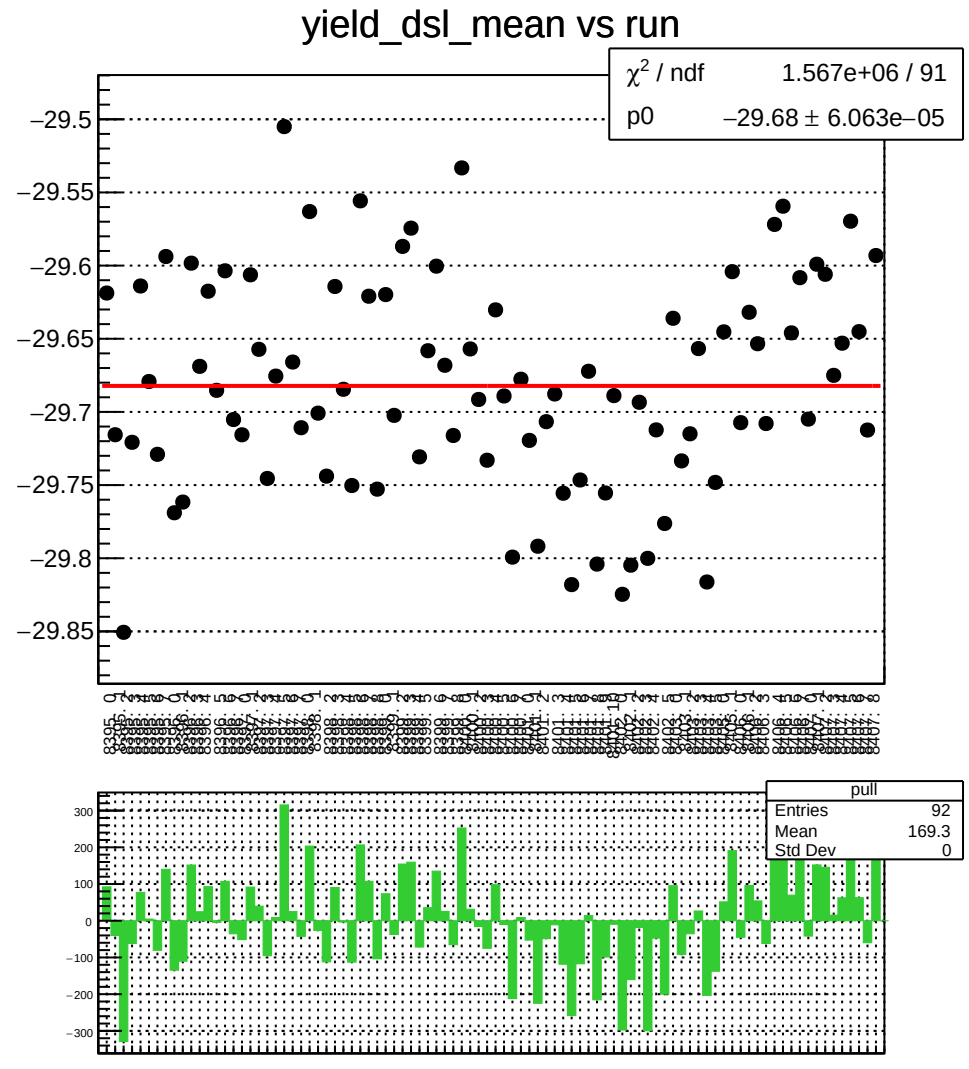

yield_usl_mean vs run
χ² / ndf 7.757e+05 / 91
p0 33.58 ± 9.361e−05
33.8
33.75
33.7
33.65
33.6
33.55
33.5
33.45
33.4
pull
Entries 92
Mean 5430
Std Dev 0
200
150
100
50
0
−50
−100
−150

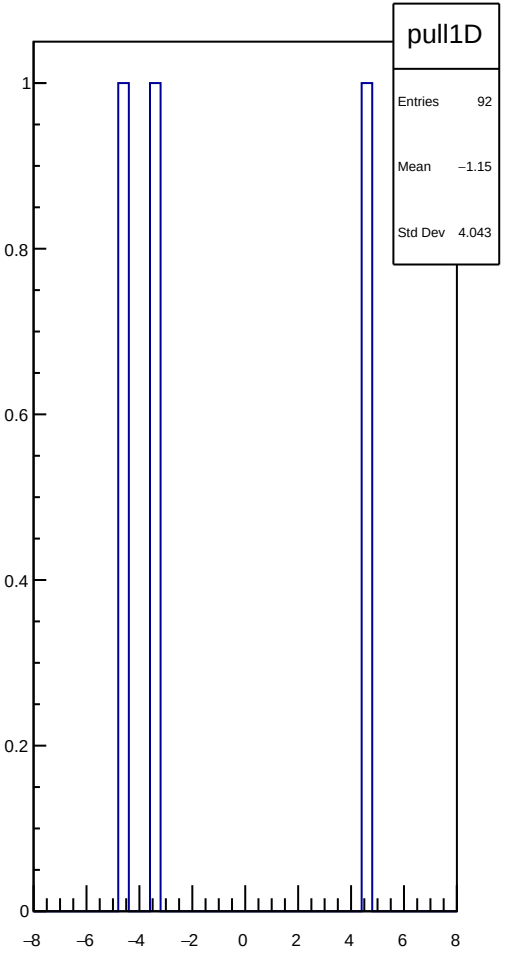

pull1D
Entries 92
Mean −3.608
Std Dev 1.577
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

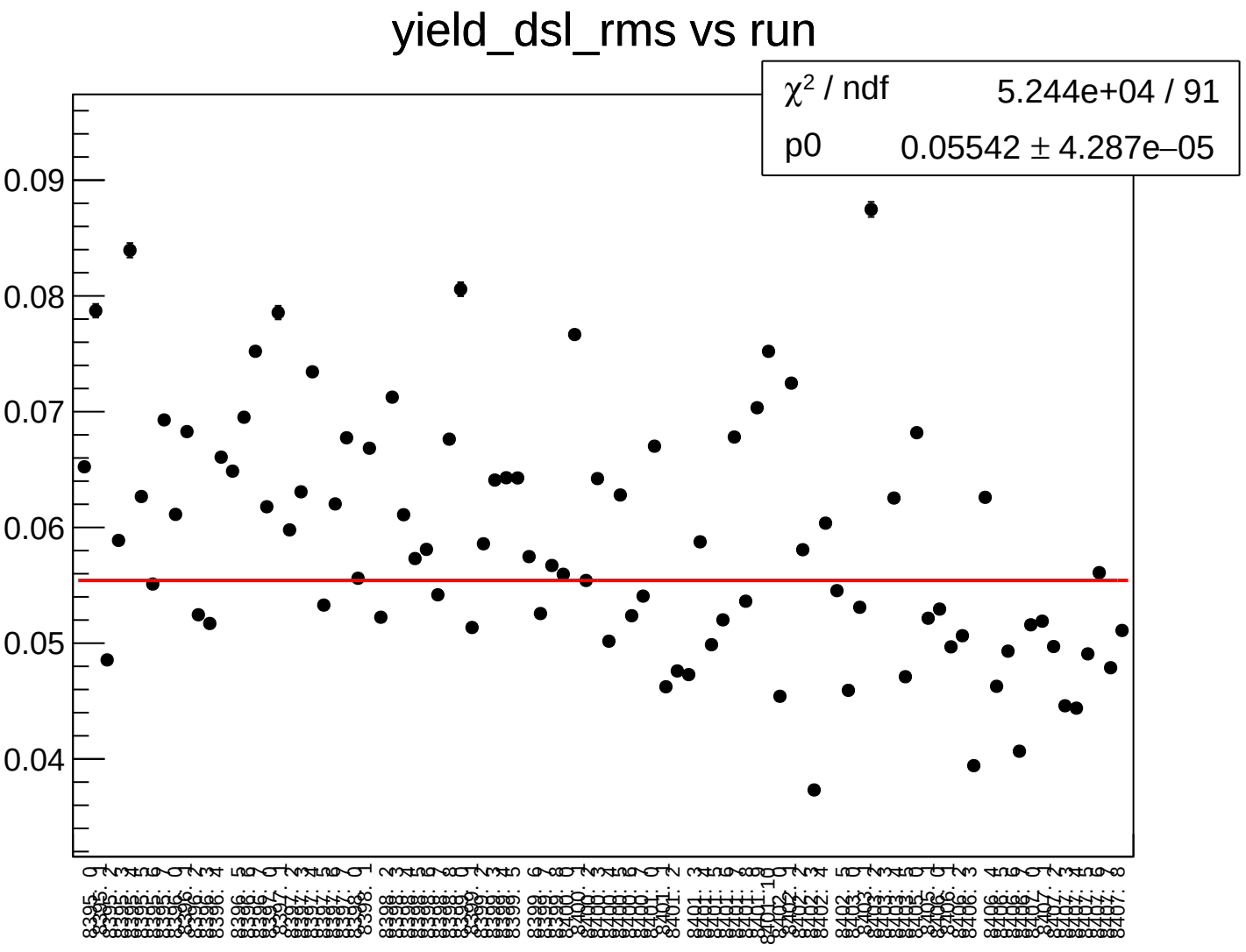

yield_usl_rms vs run
χ² / ndf 2.742e+04 / 91
p0 0.08621 ± 6.619e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

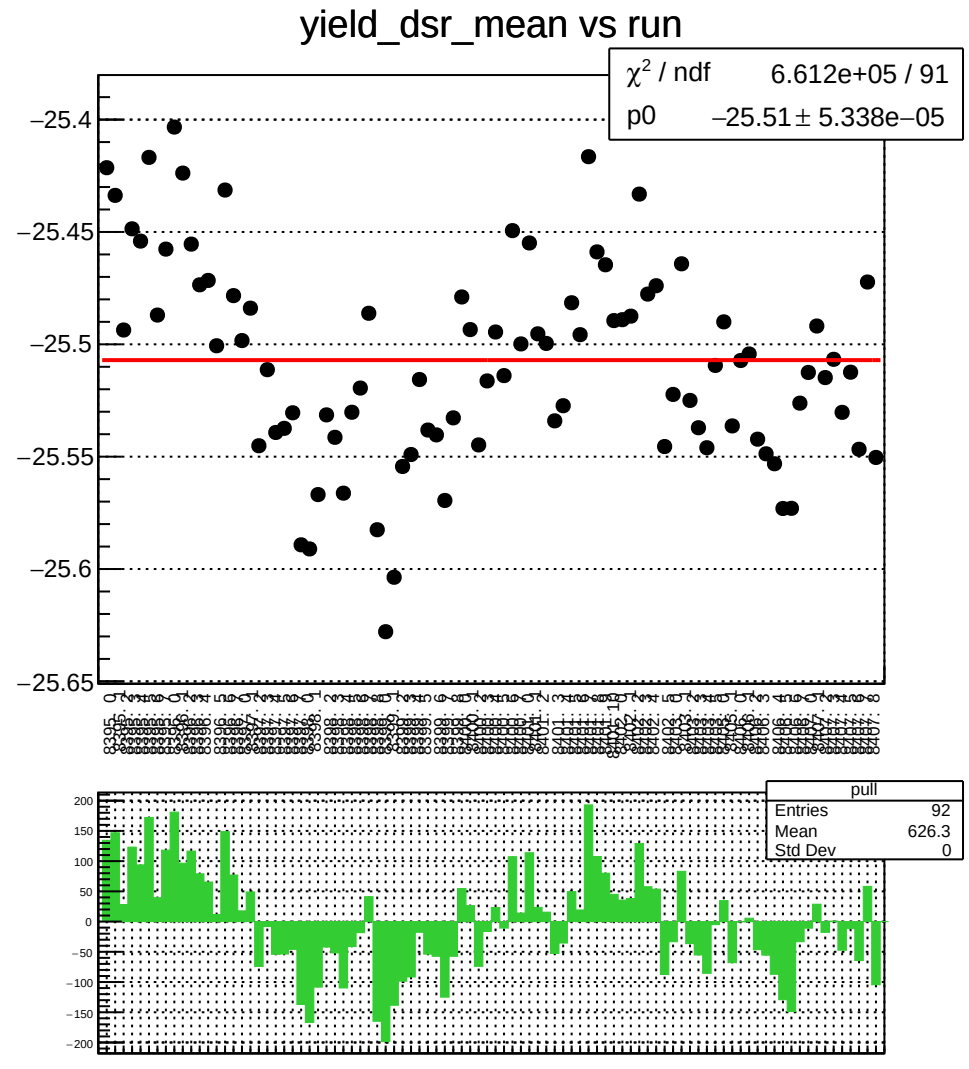

yield_usr_mean vs run
χ² / ndf 2.351e+05 / 91
p0 34.23 ± 0.0001718
35
34.8
34.6
34.4
34.2
pull
Entries 92
Mean −864
Std Dev 0
150
100
50
0
−50
pull1D
Entries 92
Mean 1.542
Std Dev 2.887
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

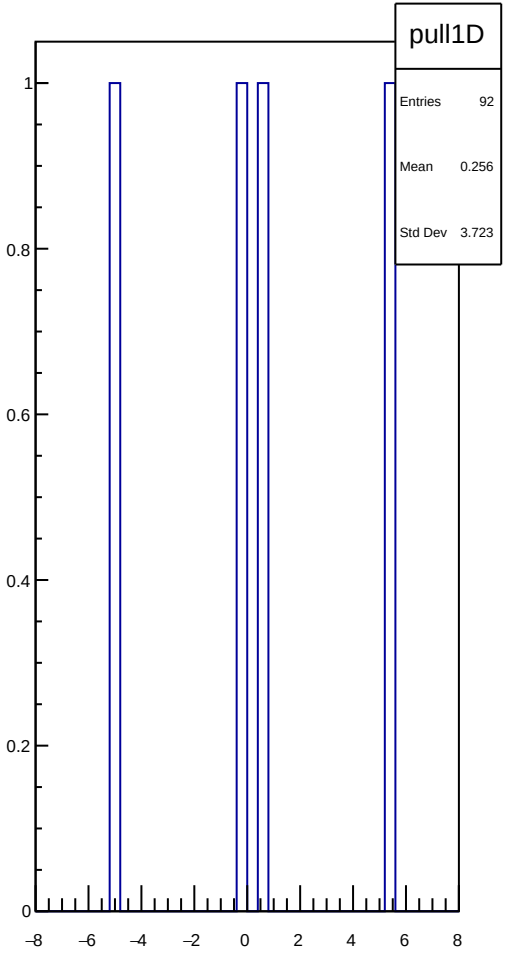

yield_usr_rms vs run
χ² / ndf 4.466e+04 / 91
p0 0.1574 ± 0.0001215
0.4
0.35
0.3
0.25
0.2
0.15

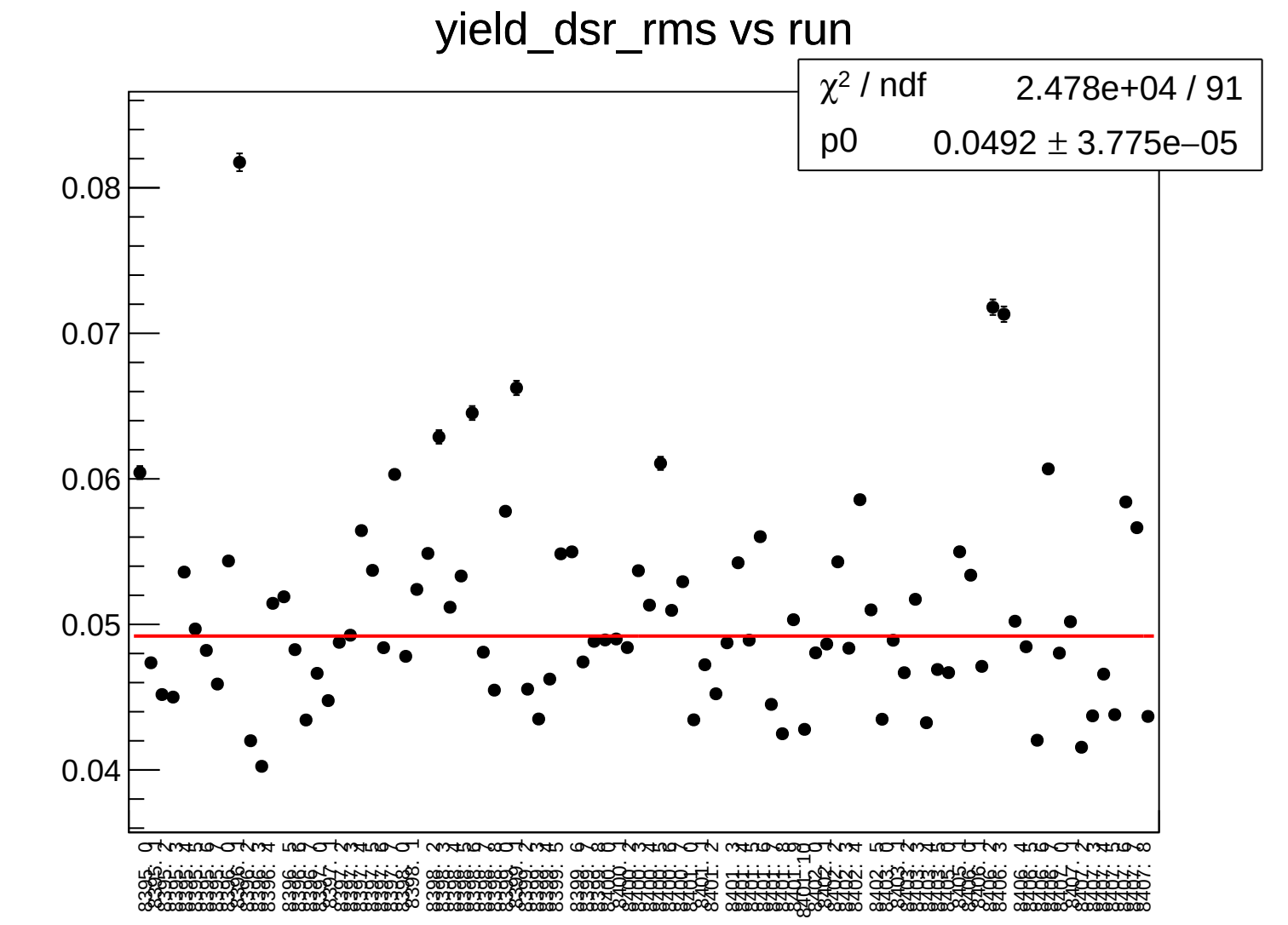

yield_dsl_mean vs run
χ² / ndf 1.567e+06 / 91
p0 −29.68 ± 6.063e−05
−29.5
−29.55
−29.6
−29.65
−29.7
−29.75
−29.8
−29.85
pull
Entries 92
Mean 169.3
Std Dev 0
300
200
100
0
−100
−200
−300

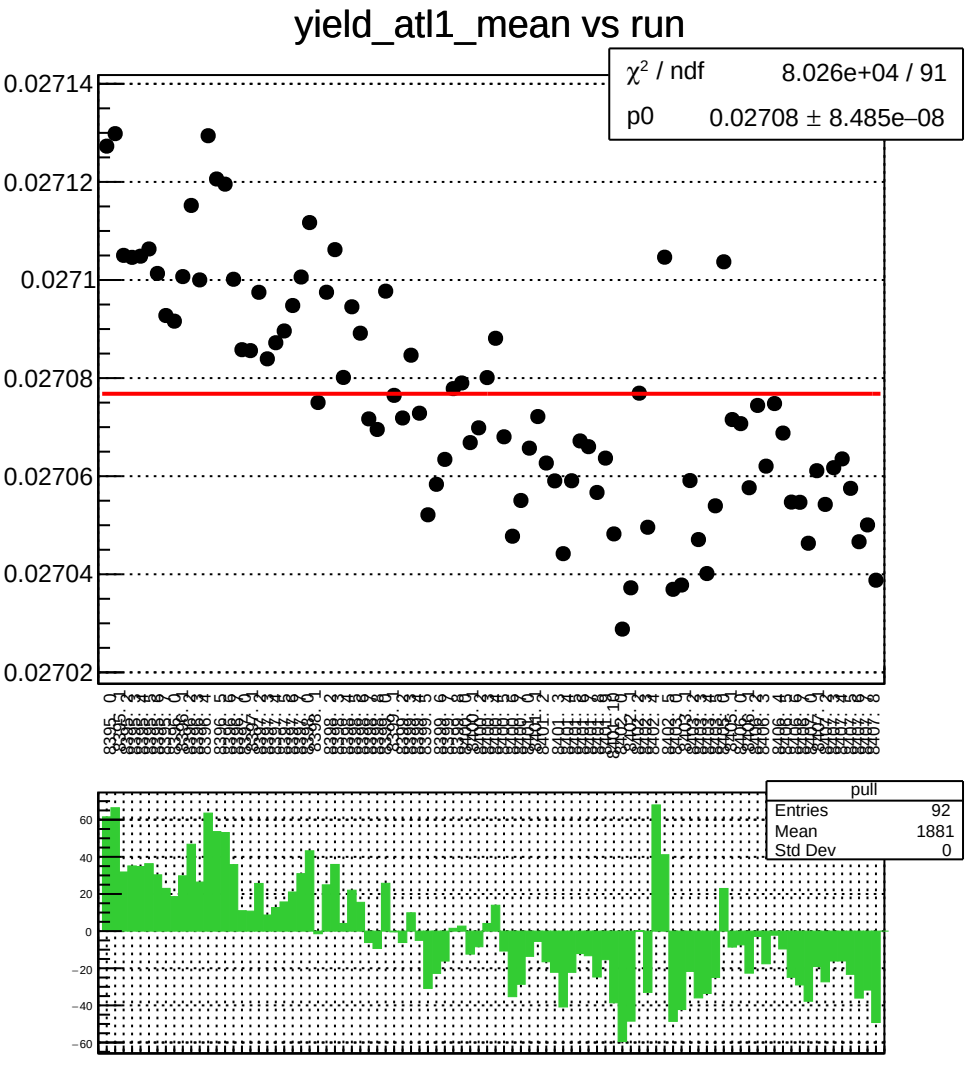

pull1D
Entries 92
Mean −1.15
Std Dev 4.043
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

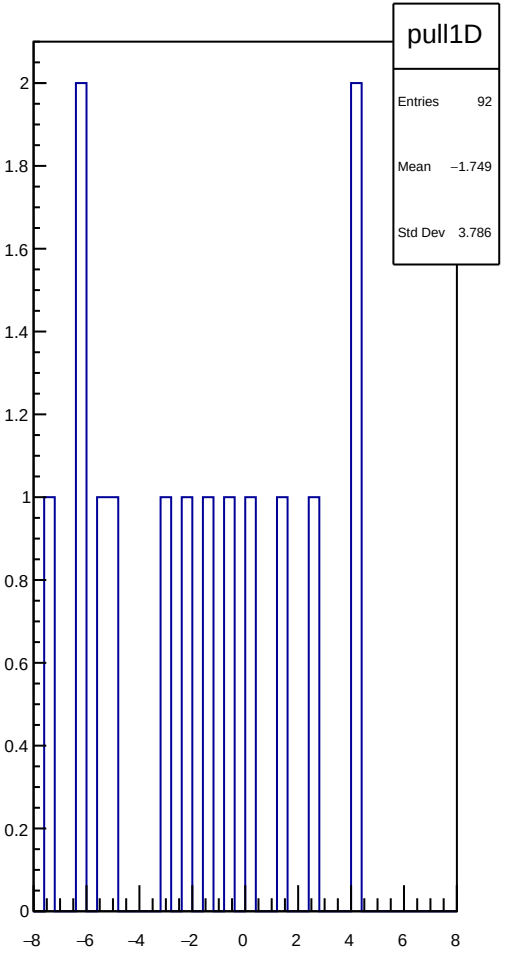

yield_dsl_rms vs run
χ² / ndf 5.244e+04 / 91
p0 0.05542 ± 4.287e−05
0.09
0.08
0.07
0.06
0.05
0.04

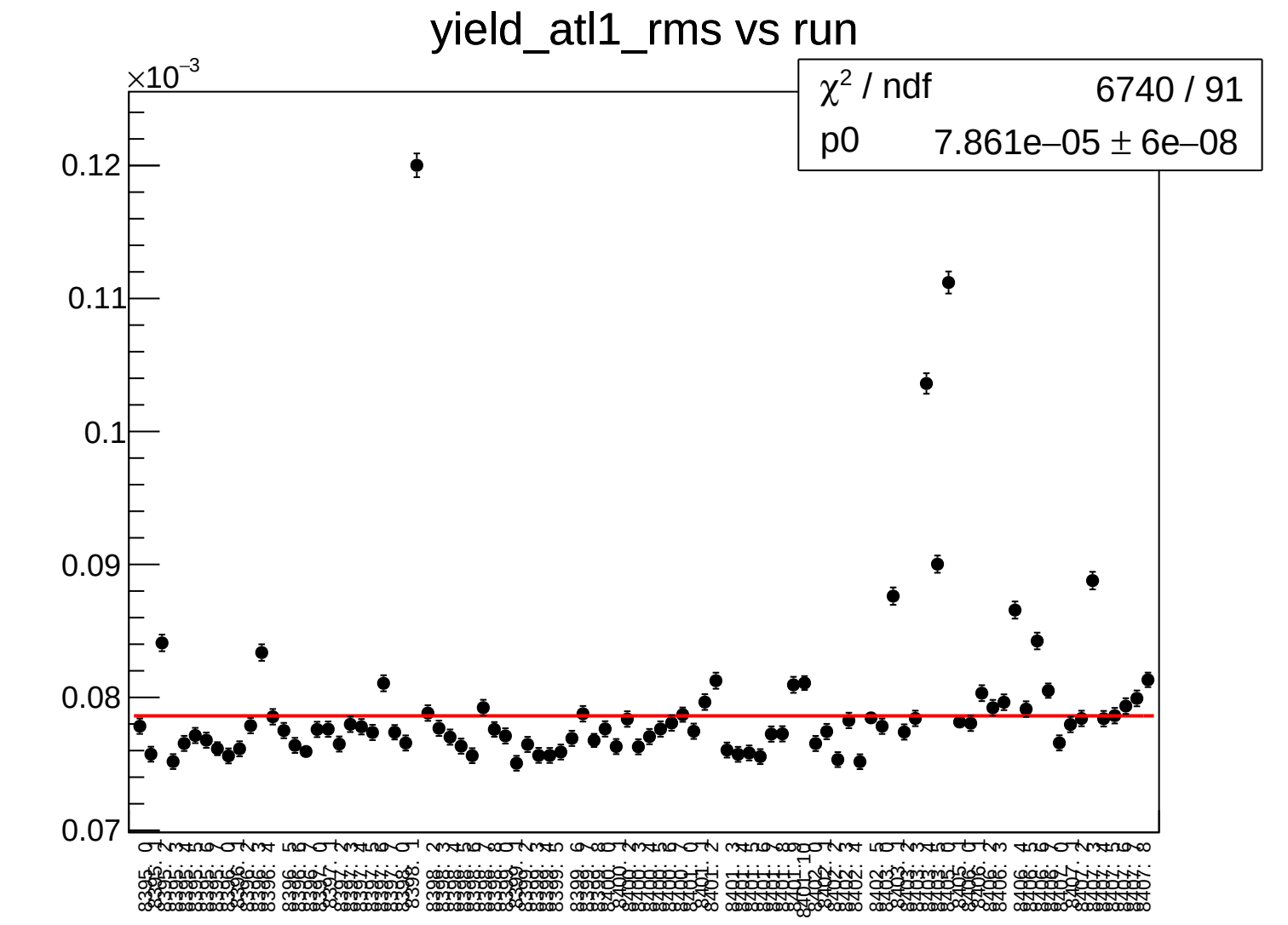

yield_dsr_mean vs run
χ² / ndf 6.612e+05 / 91
p0 −25.51 ± 5.338e−05
−25.4
−25.45
−25.5
−25.55
−25.6
−25.65
pull
Entries 92
Mean 626.3
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

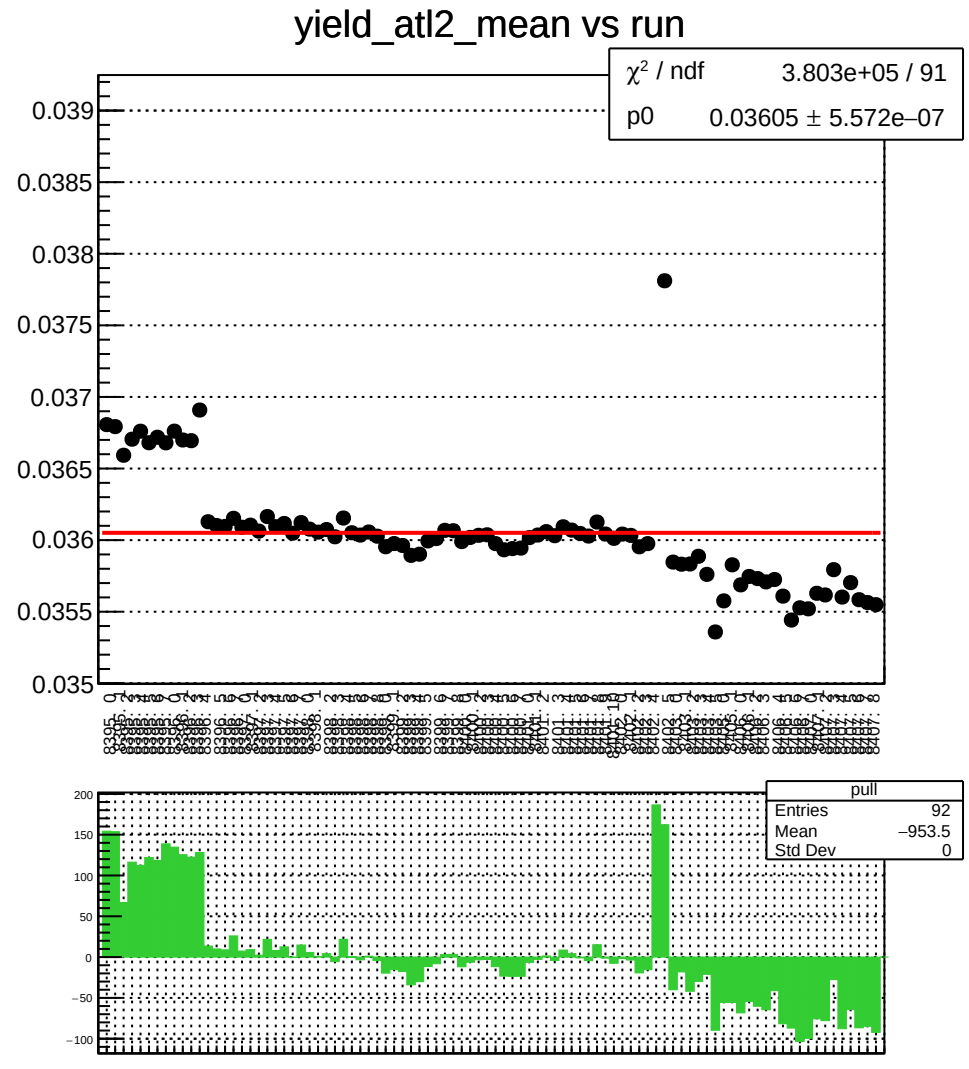

pull1D
Entries 92
Mean 0.256
Std Dev 3.723
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

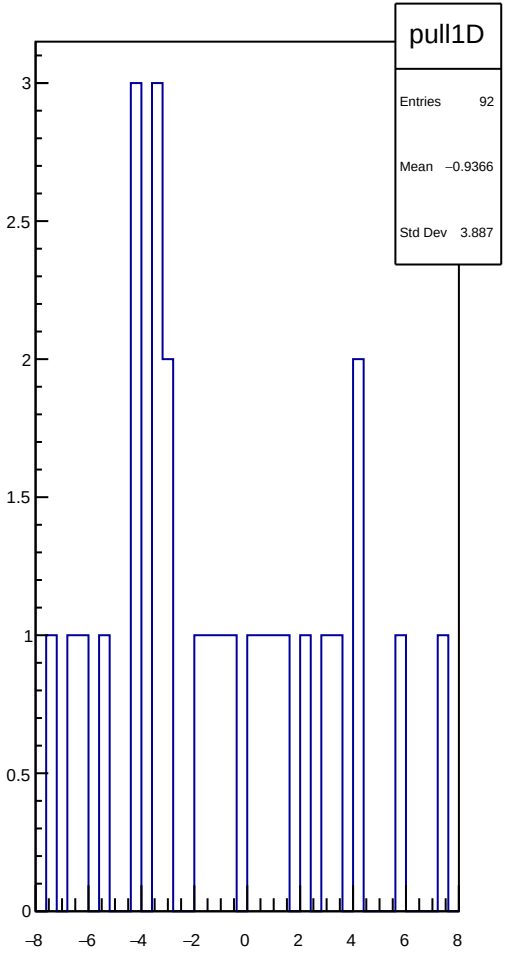

yield_dsr_rms vs run
χ² / ndf 2.478e+04 / 91
p0 0.0492 ± 3.775e−05
0.08
0.07
0.06
0.05
0.04

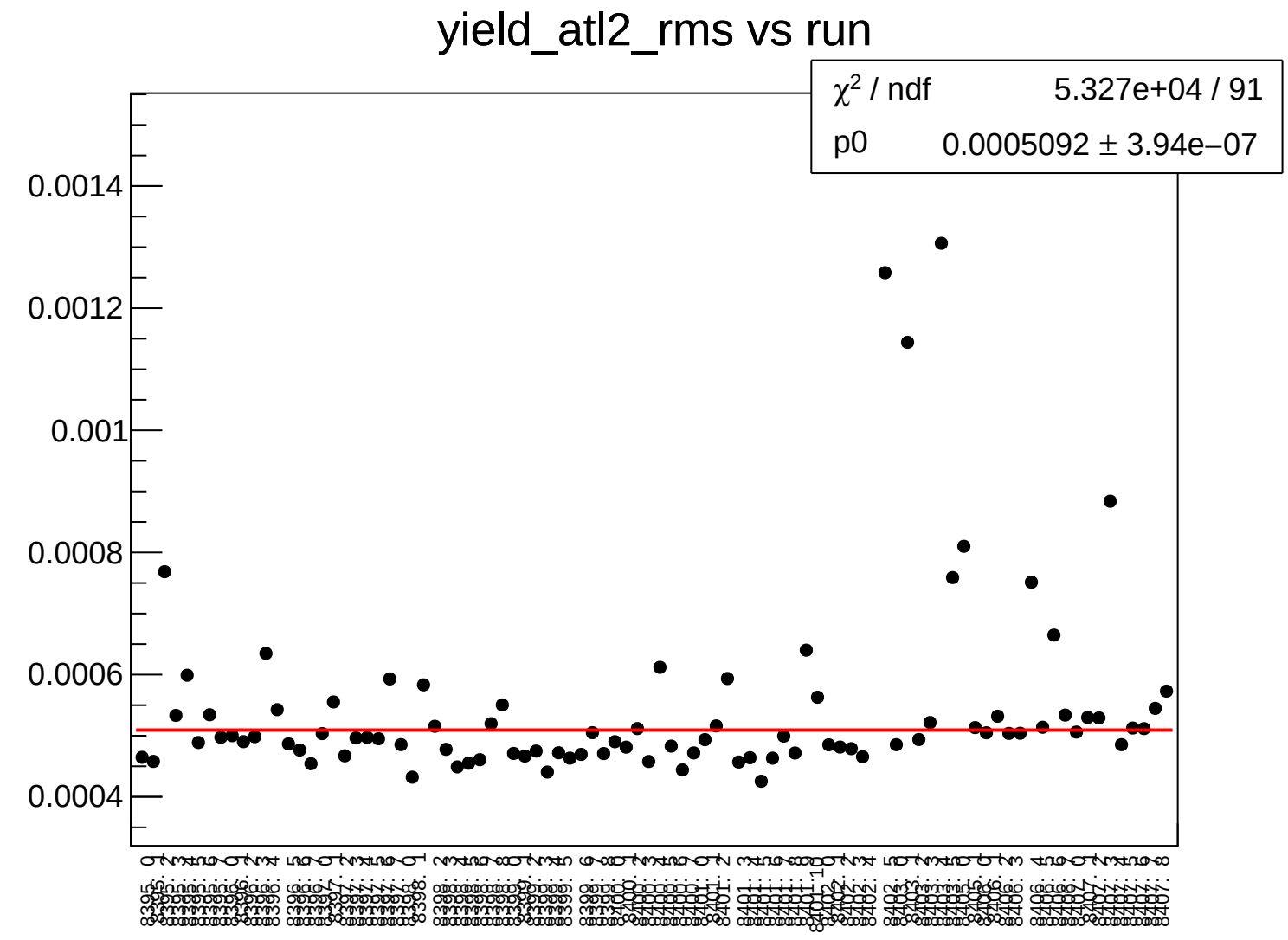

yield_atl1_mean vs run
χ² / ndf 8.026e+04 / 91
p0 0.02708 ± 8.485e−08
0.02714
0.02712
0.0271
0.02708
0.02706
0.02704
0.02702
pull
Entries 92
Mean 1881
Std Dev 0
60
40
20
0
−20
−40
−60

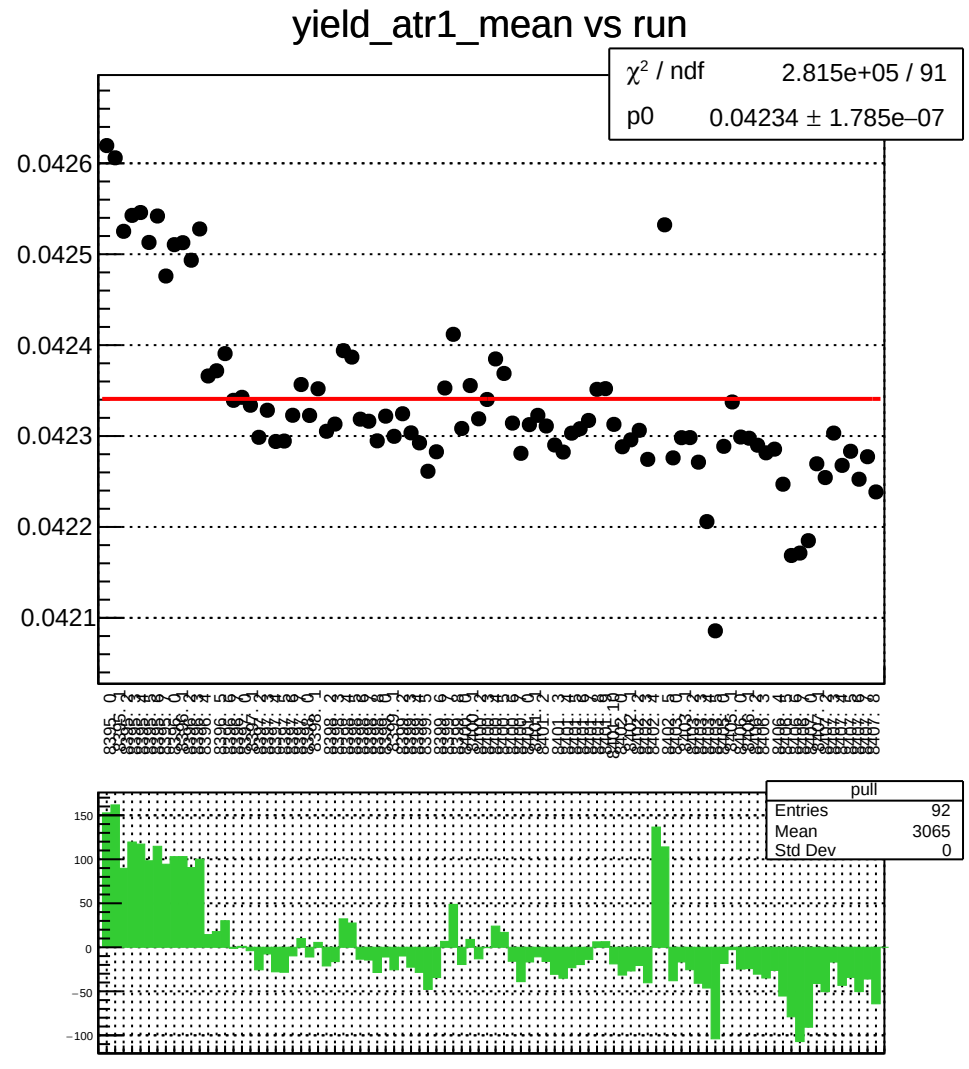

pull1D
Entries 92
Mean −1.749
Std Dev 3.786
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

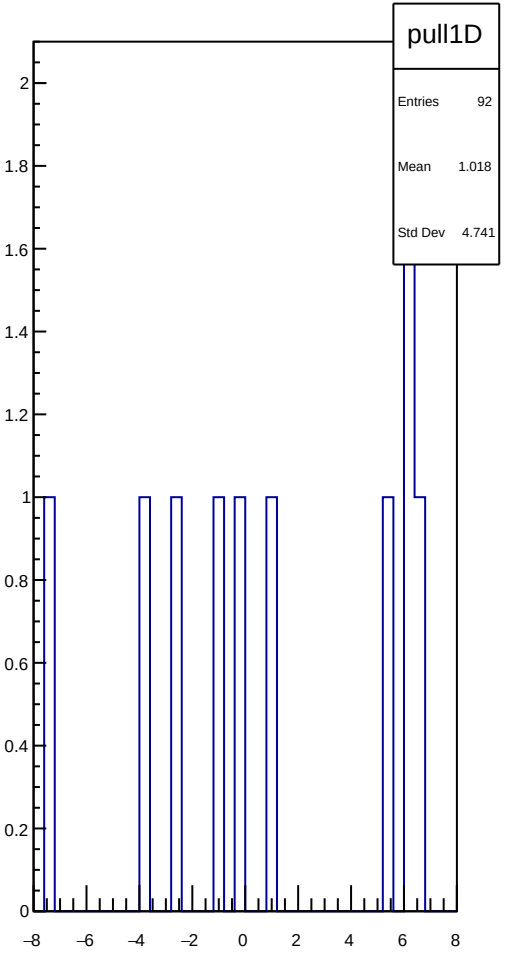

yield_atl1_rms vs run
×10⁻³
χ² / ndf 6740 / 91
p0 7.861e−05 ± 6e−08
0.12
0.11
0.1
0.09
0.08
0.07

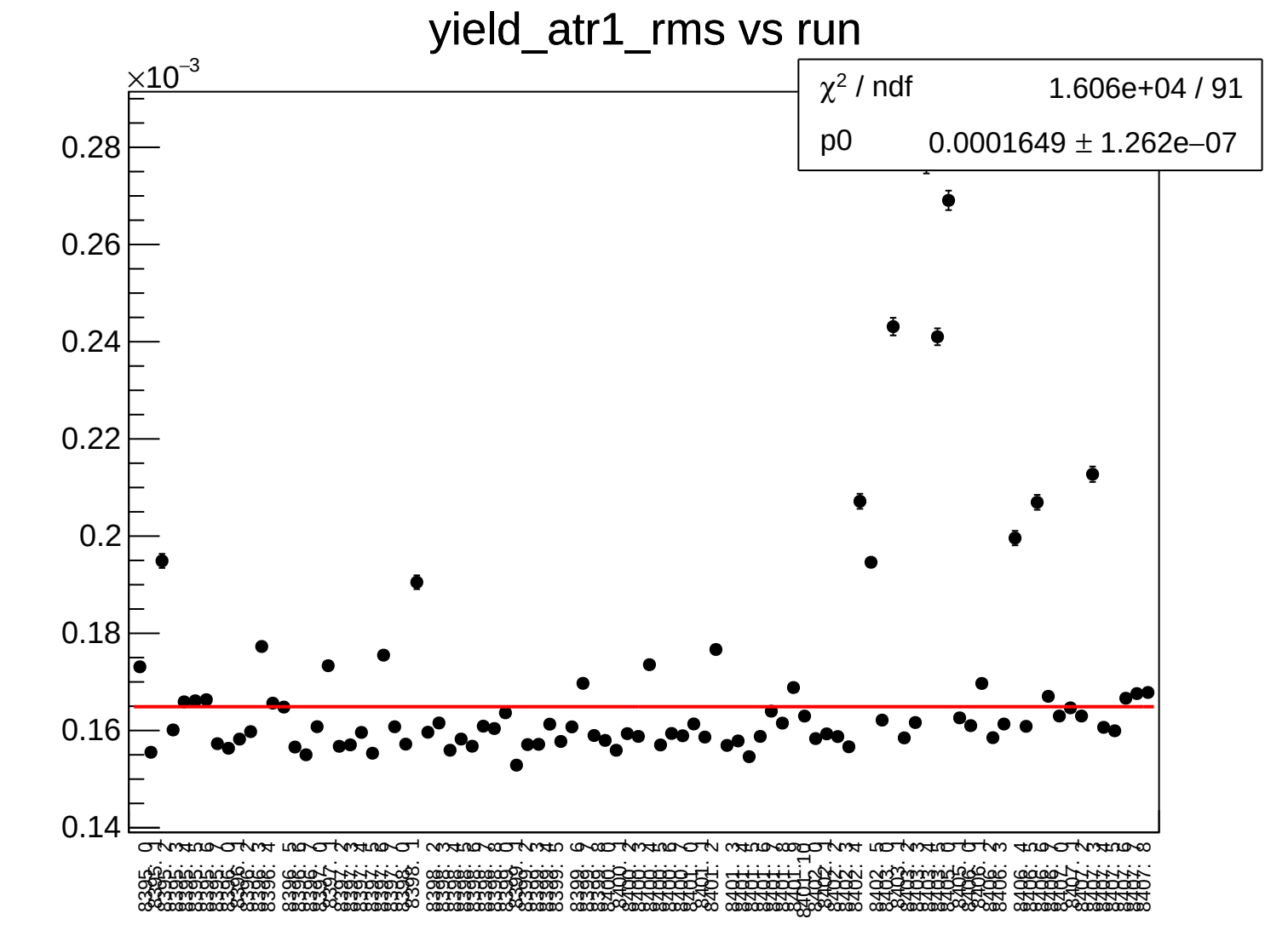

yield_atl2_mean vs run
χ² / ndf 3.803e+05 / 91
p0 0.03605 ± 5.572e−07
0.039
0.0385
0.038
0.0375
0.037
0.0365
0.036
0.0355
0.035
pull
Entries 92
Mean −953.5
Std Dev 0
200
150
100
50
0
−50
−100

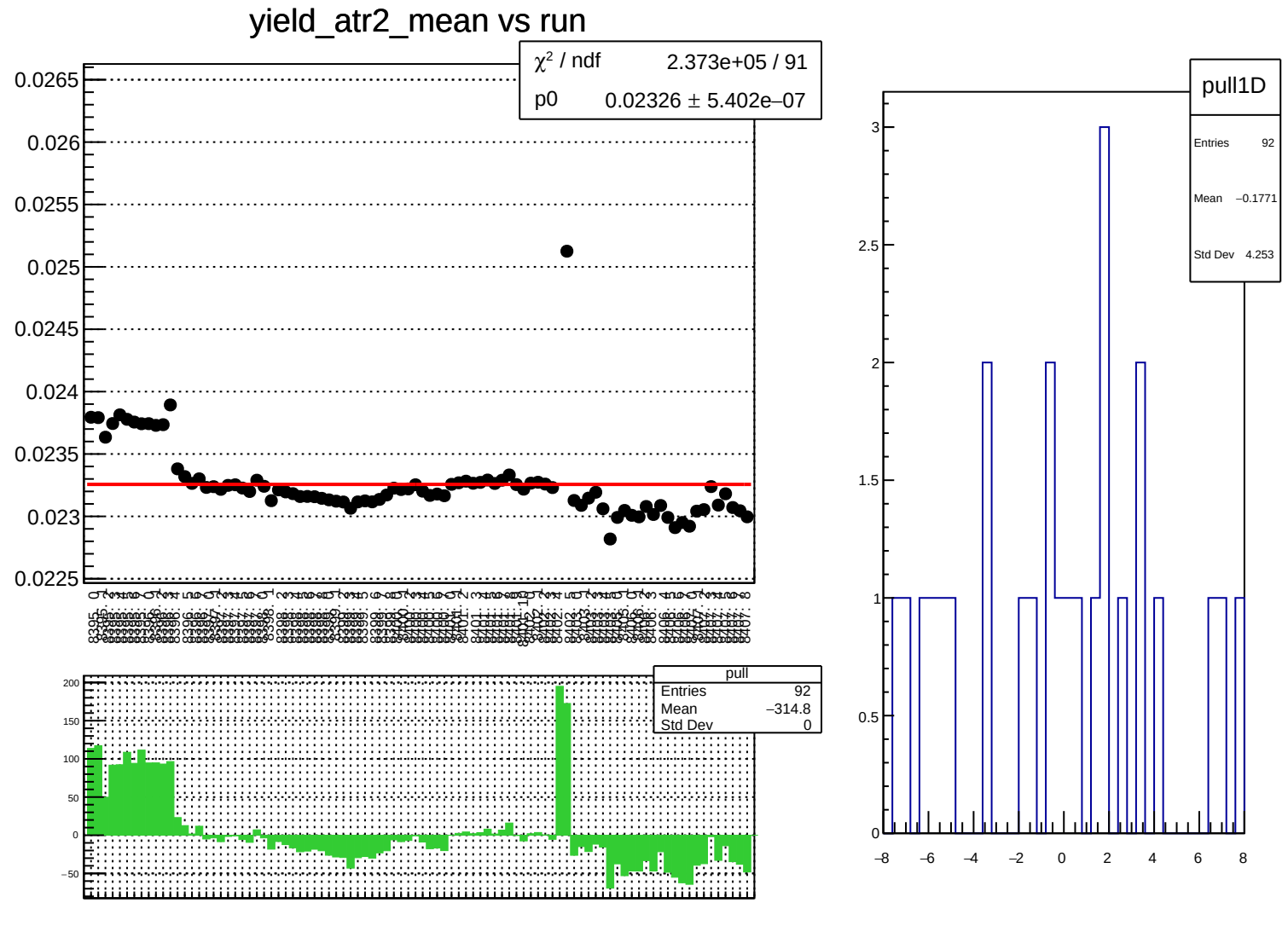

pull1D
Entries 92
Mean −0.9366
Std Dev 3.887
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

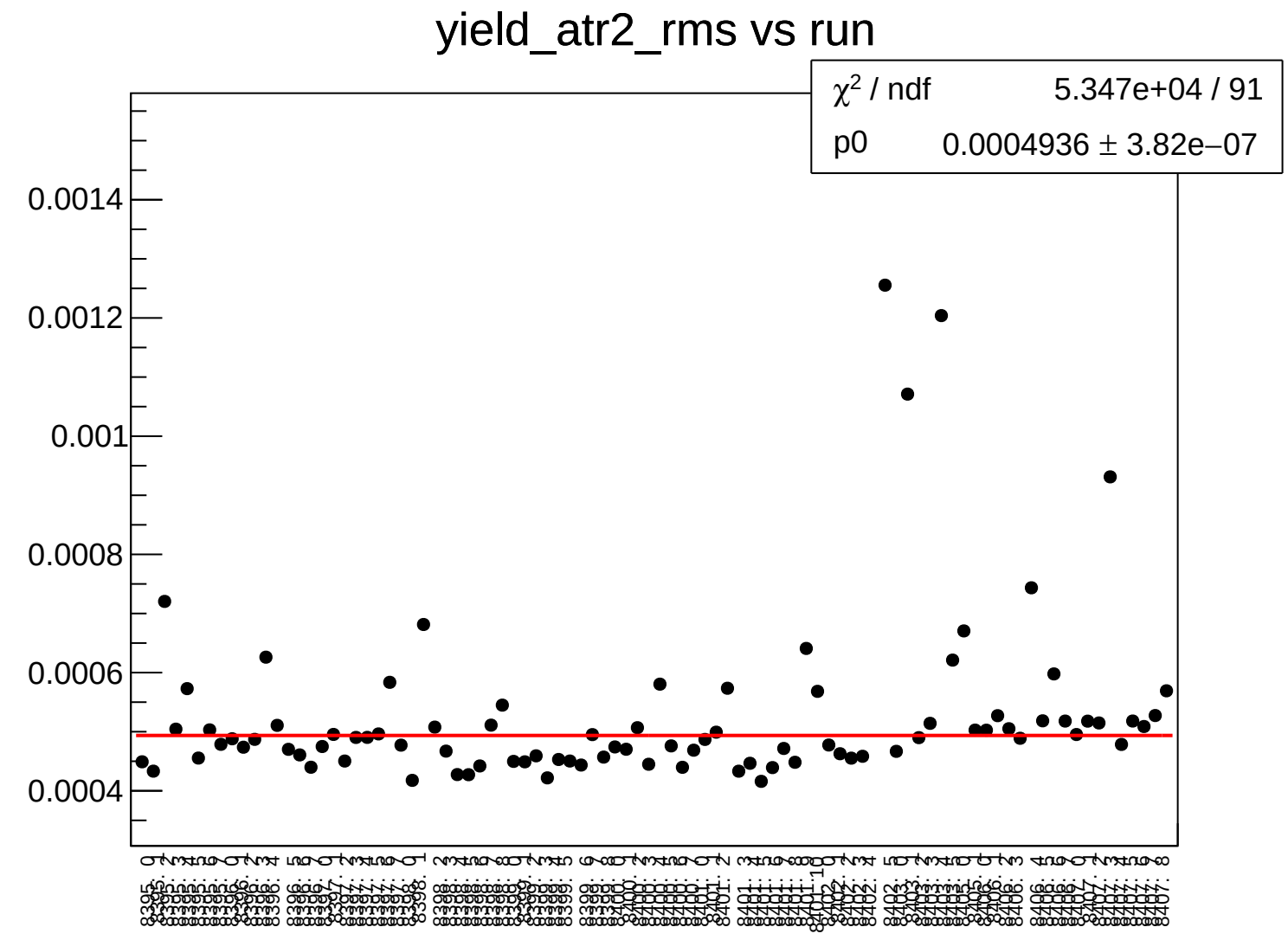

yield_atl2_rms vs run
χ² / ndf 5.327e+04 / 91
p0 0.0005092 ± 3.94e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

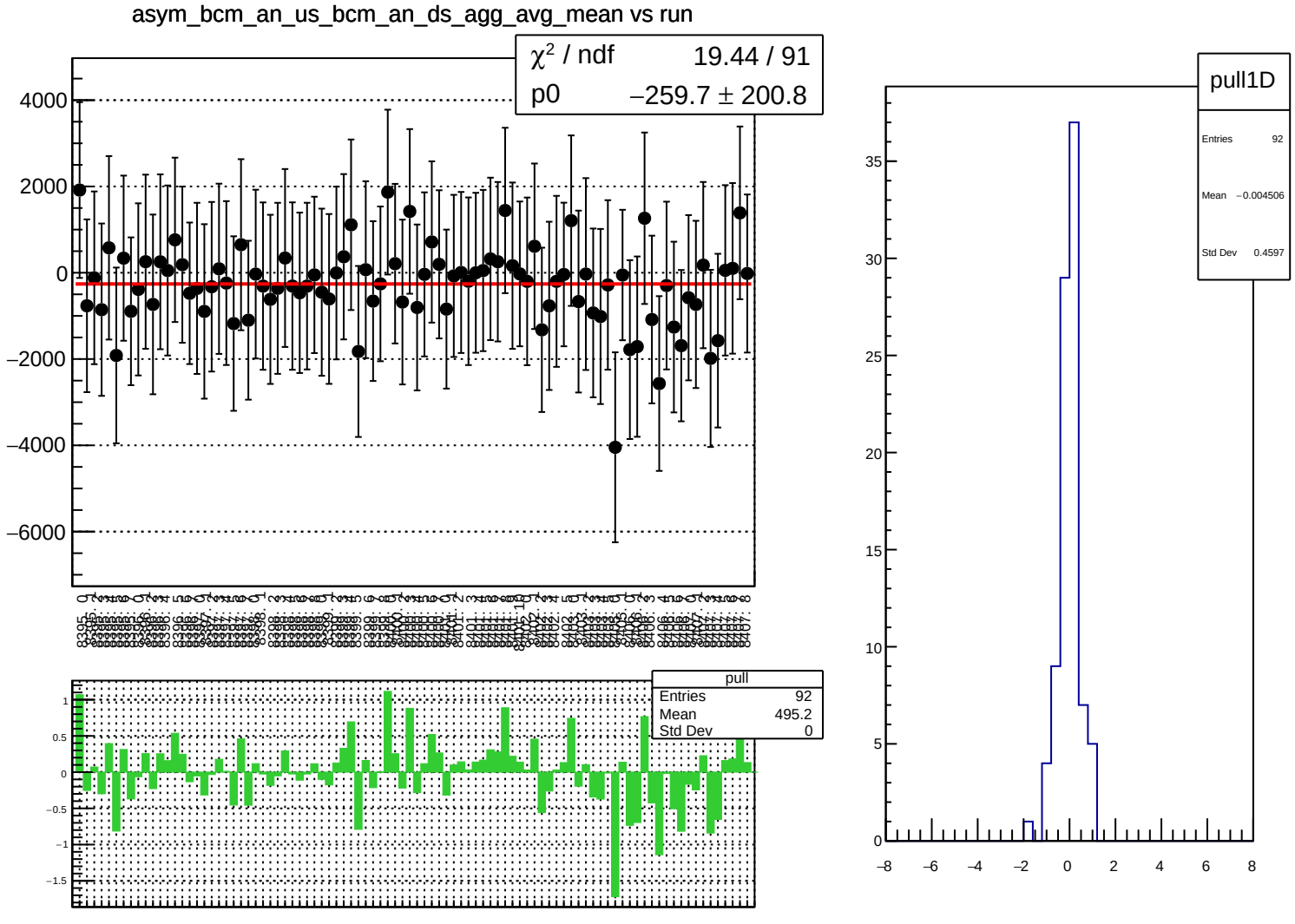

yield_atr1_mean vs run
χ² / ndf 2.815e+05 / 91
p0 0.04234 ± 1.785e−07
0.0426
0.0425
0.0424
0.0423
0.0422
0.0421
pull
Entries 92
Mean 3065
Std Dev 0
150
100
50
0
−50
−100

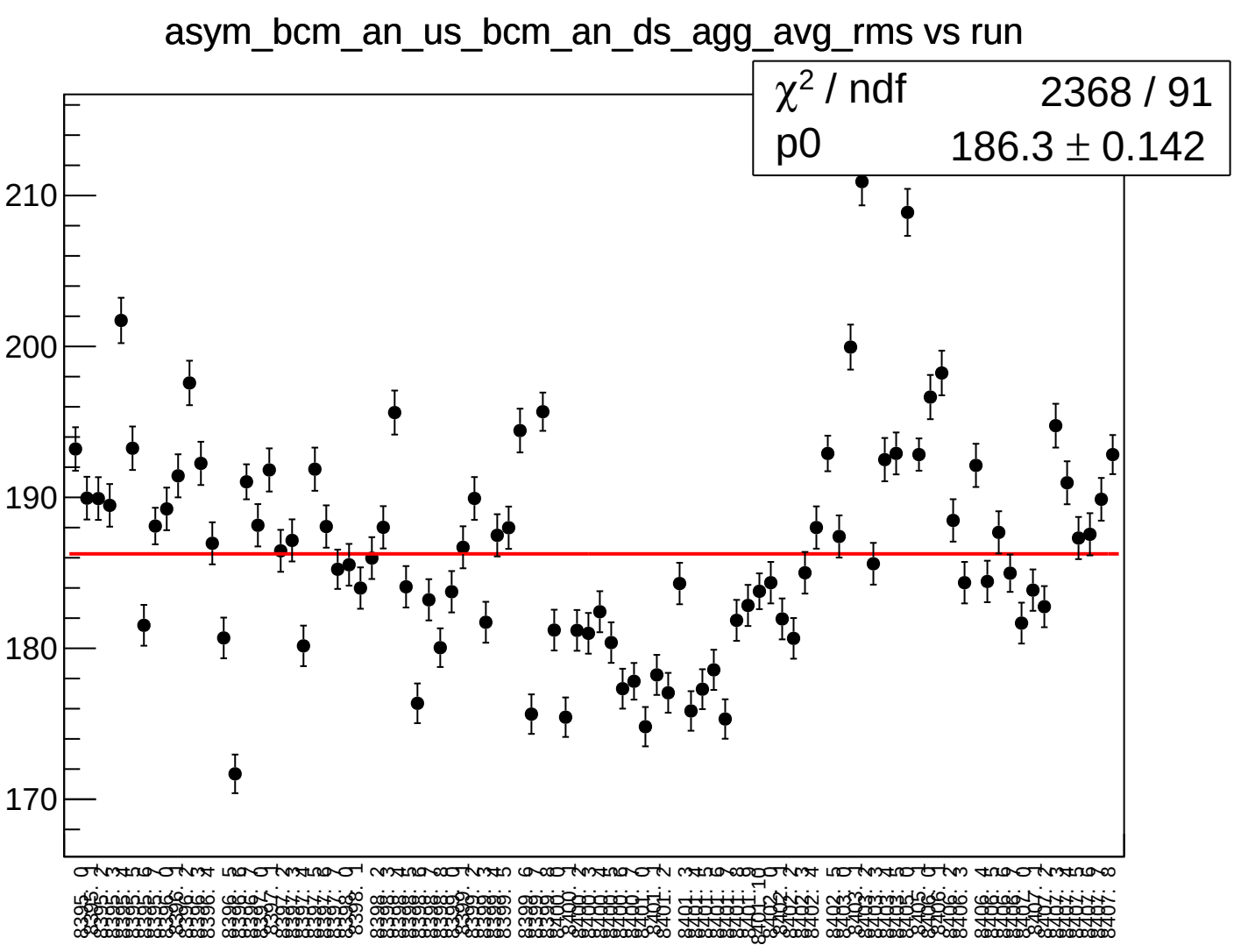

pull1D
Entries 92
Mean 1.018
Std Dev 4.741
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

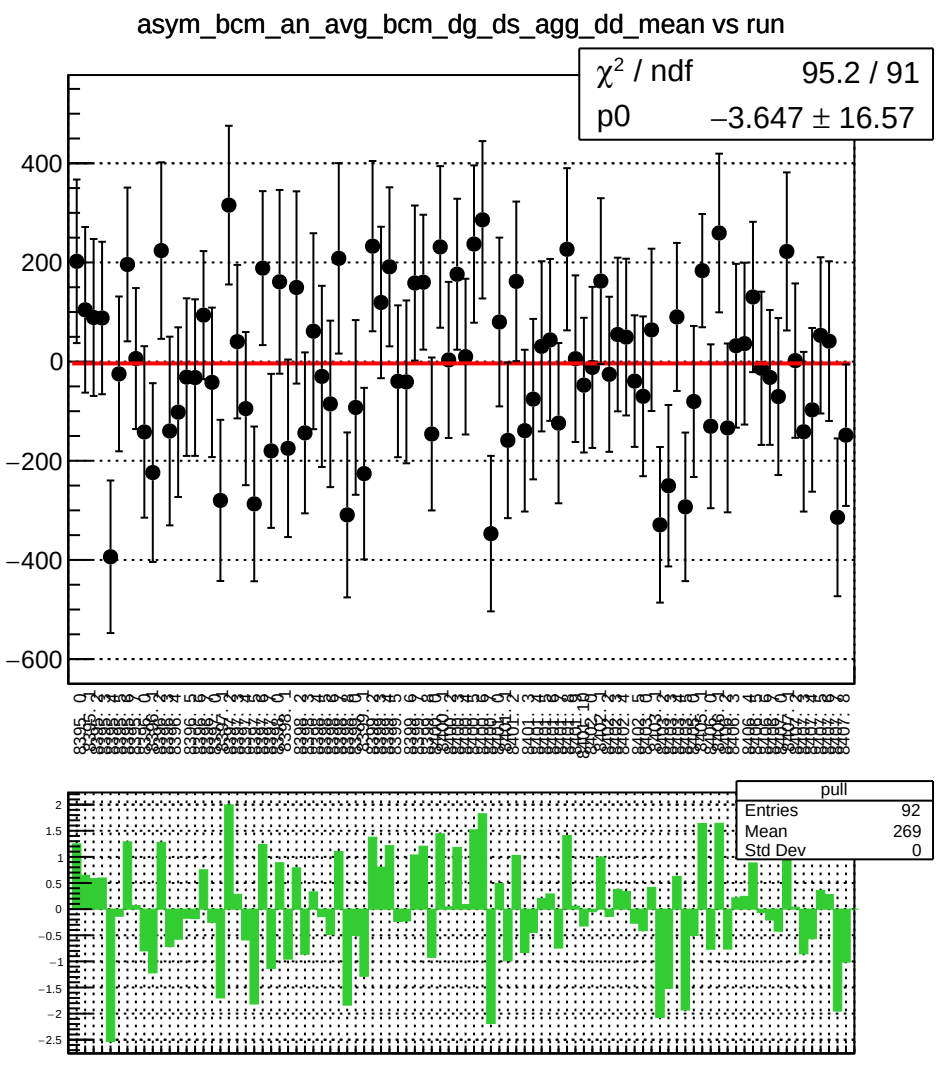

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.606e+04 / 91
p0 0.0001649 ± 1.262e−07
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14

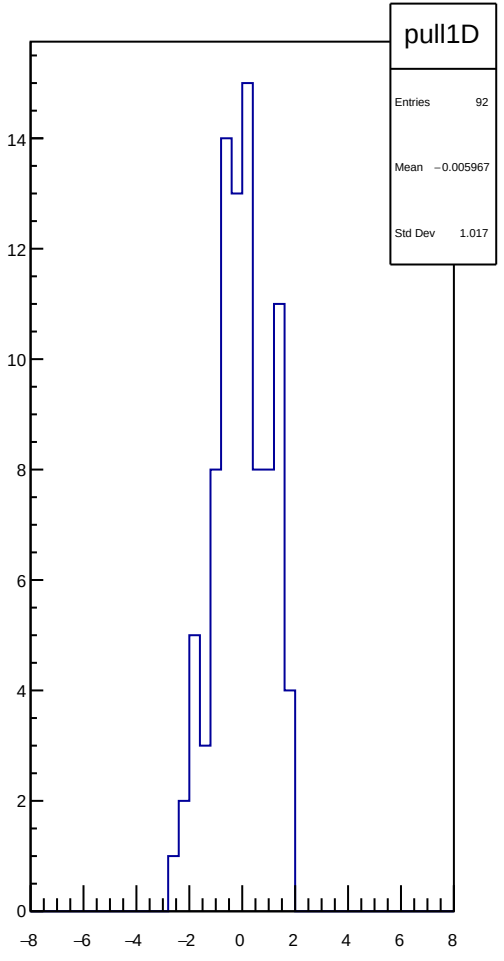

yield_atr2_mean vs run
χ² / ndf 2.373e+05 / 91
p0 0.02326 ± 5.402e−07
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225
pull
Entries 92
Mean −314.8
Std Dev 0
200
150
100
50
0
−50
pull1D
Entries 92
Mean −0.1771
Std Dev 4.253
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

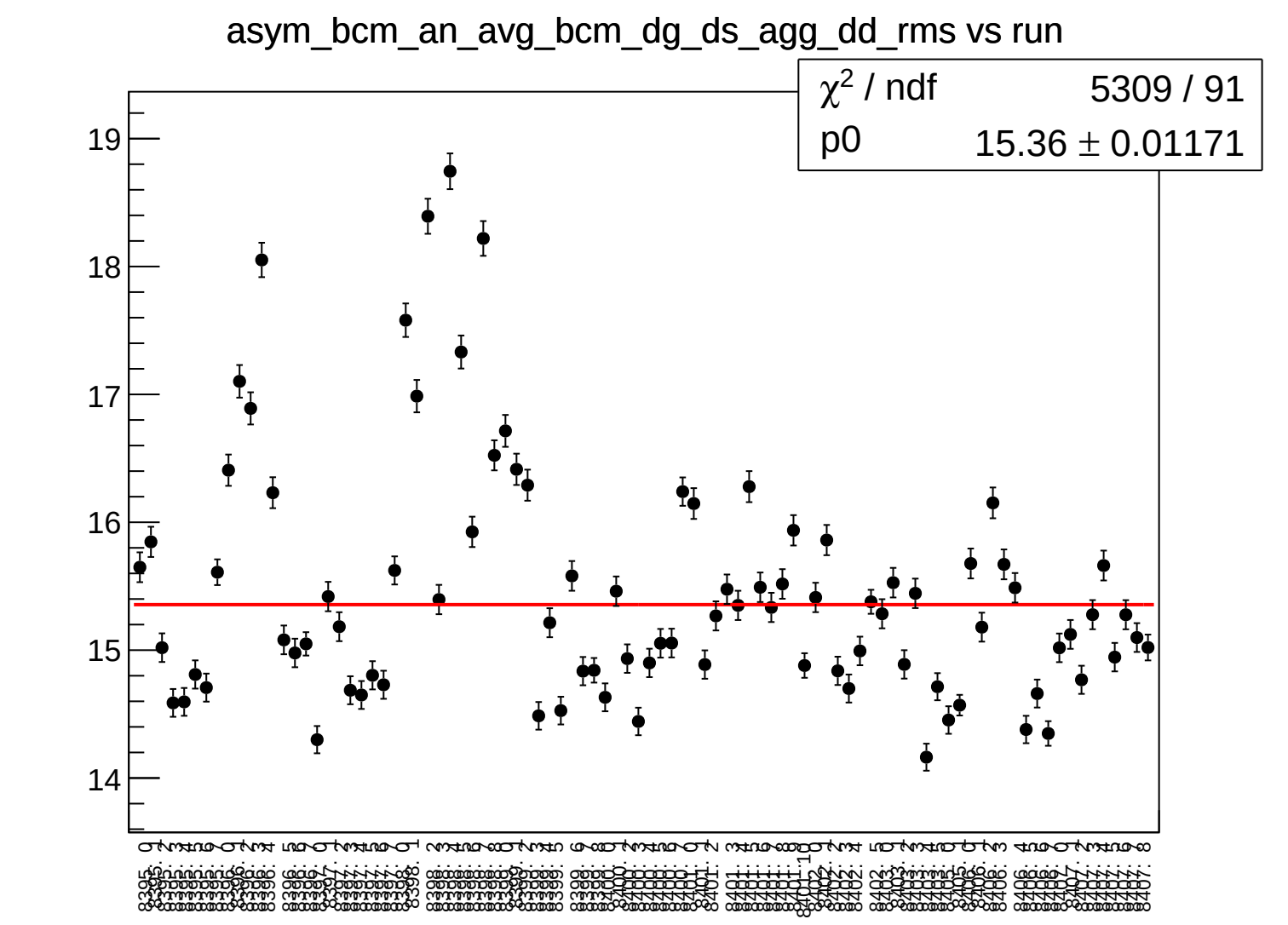

yield_atr2_rms vs run
χ² / ndf 5.347e+04 / 91
p0 0.0004936 ± 3.82e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

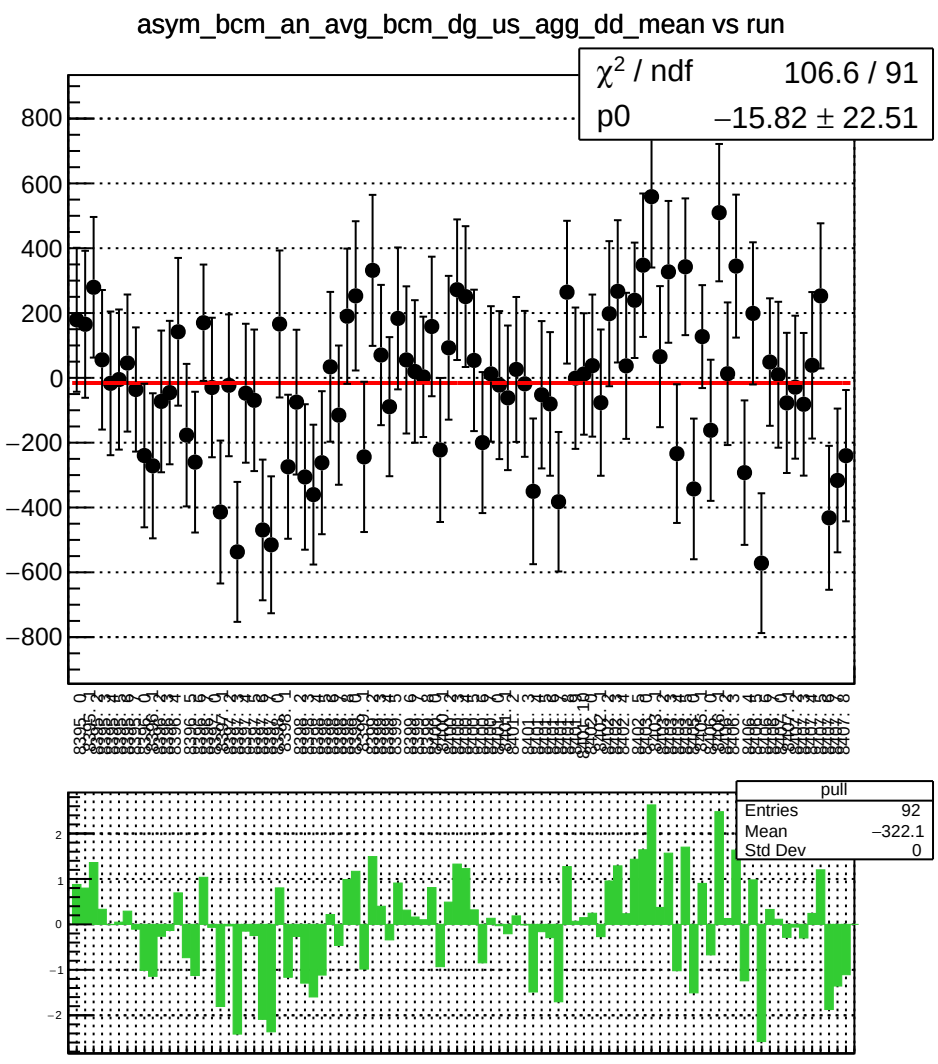

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 19.44 / 91
p0 −259.7 ± 200.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 495.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.004506
Std Dev 0.4597
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

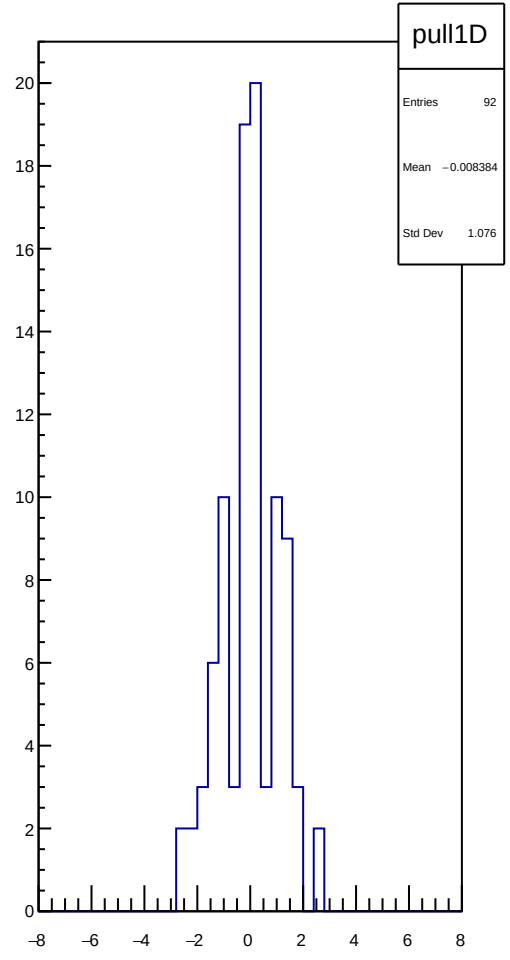

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2368 / 91
p0 186.3 ± 0.142
210
200
190
180
170

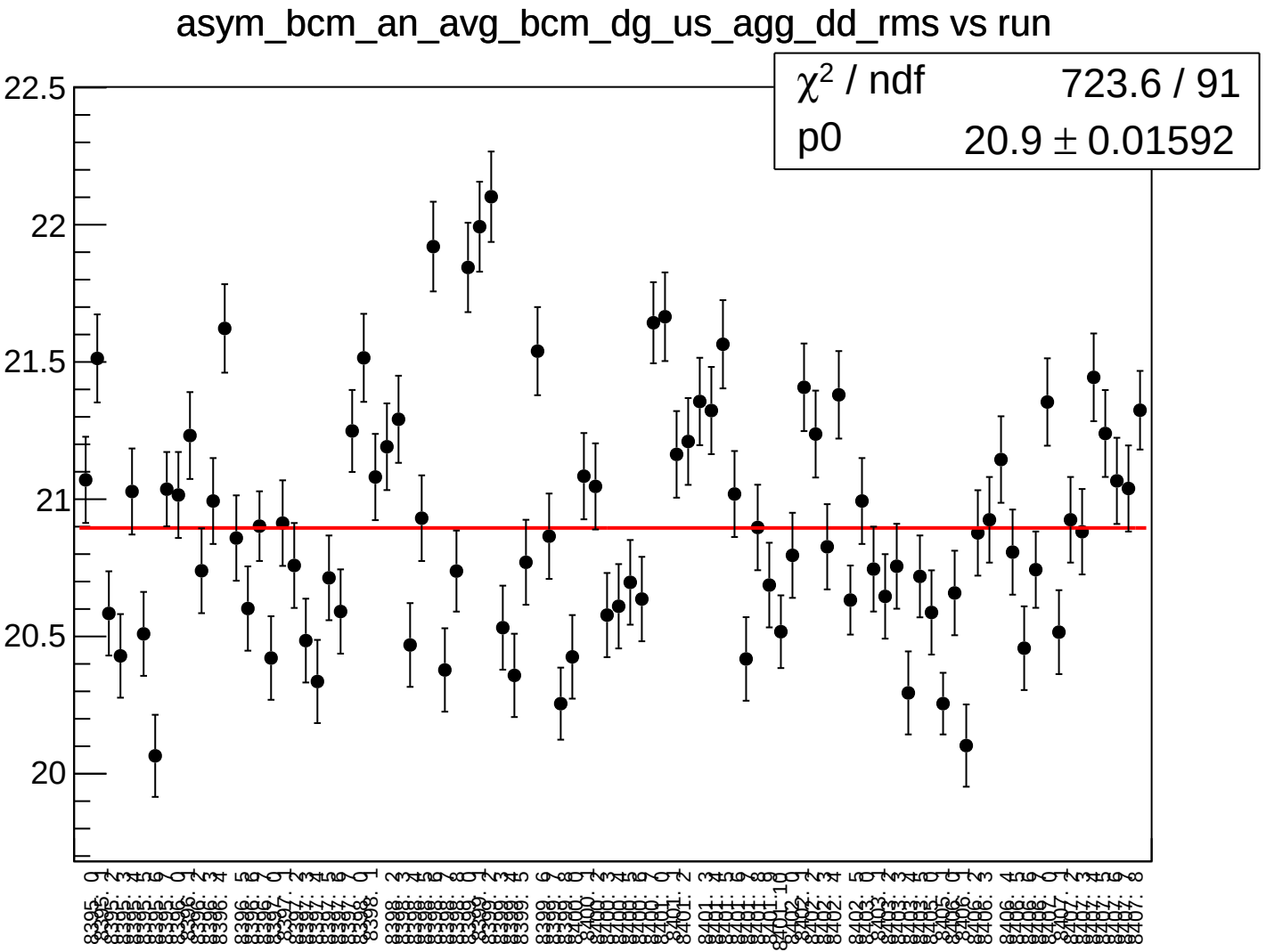

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 95.2 / 91
p0 −3.647 ± 16.57
400
200
0
−200
−400
−600
pull
Entries 92
Mean 269
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

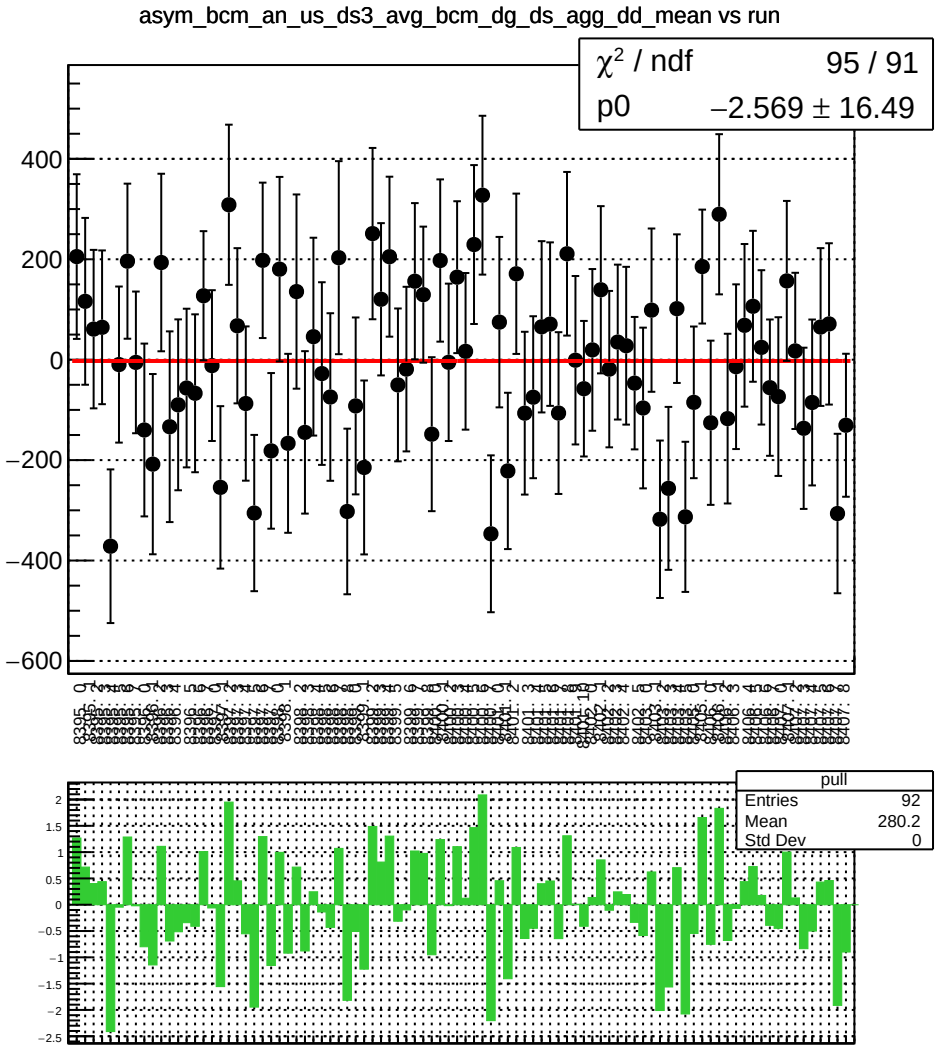

pull1D
Entries 92
Mean −0.005967
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

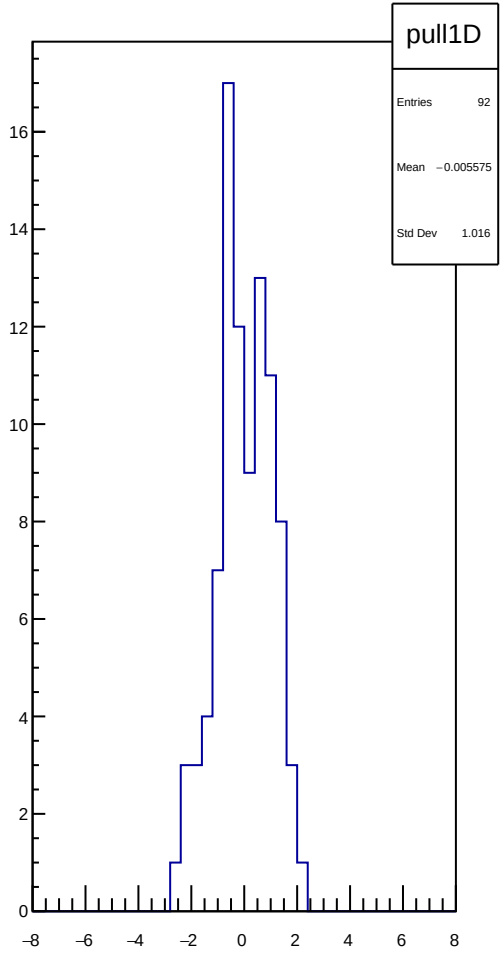

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 5309 / 91
p0 15.36 ± 0.01171
19
18
17
16
15
14

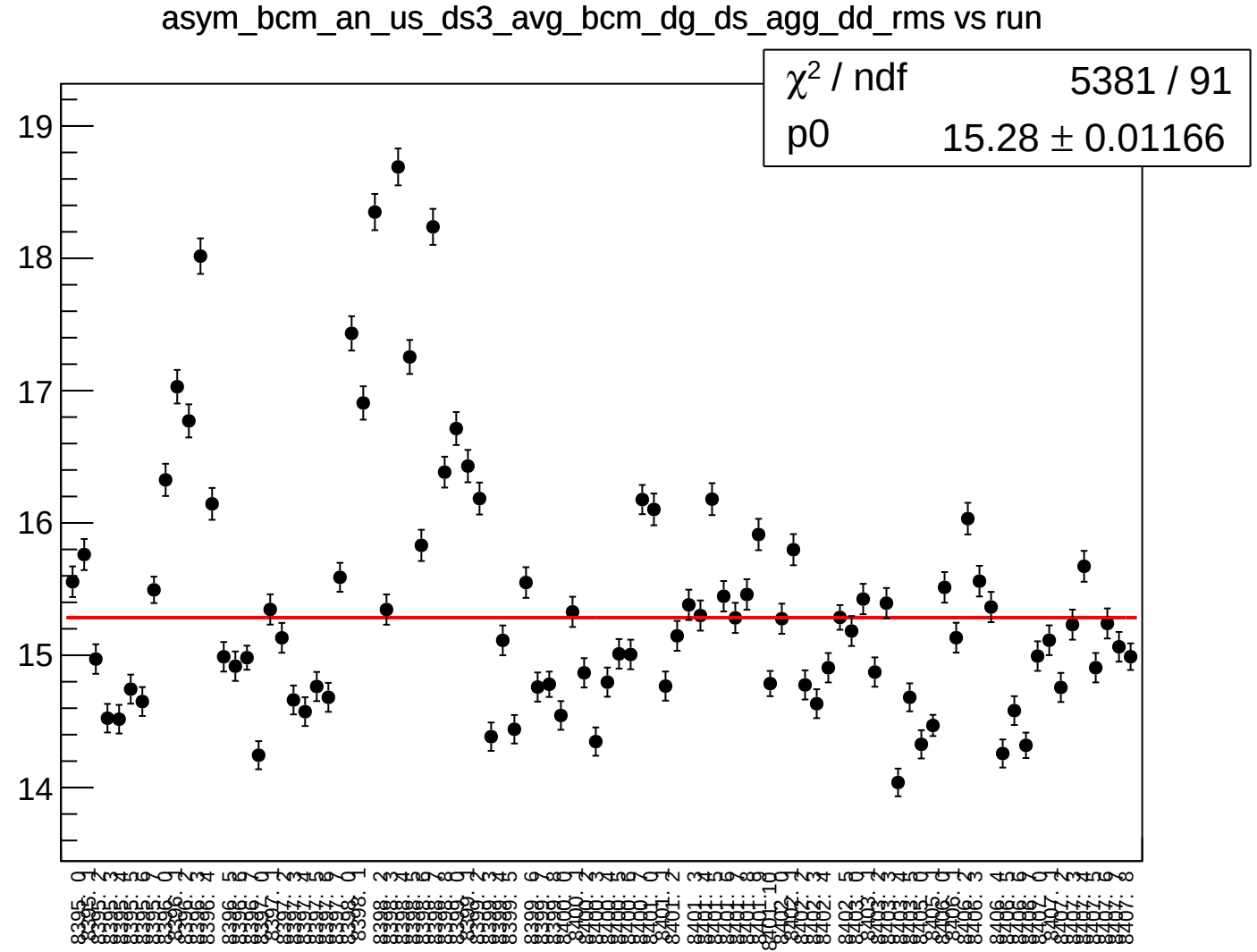

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 106.6 / 91
p0 −15.82 ± 22.51
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 92
Mean −322.1
Std Dev 0
2
1
0
−1
−2

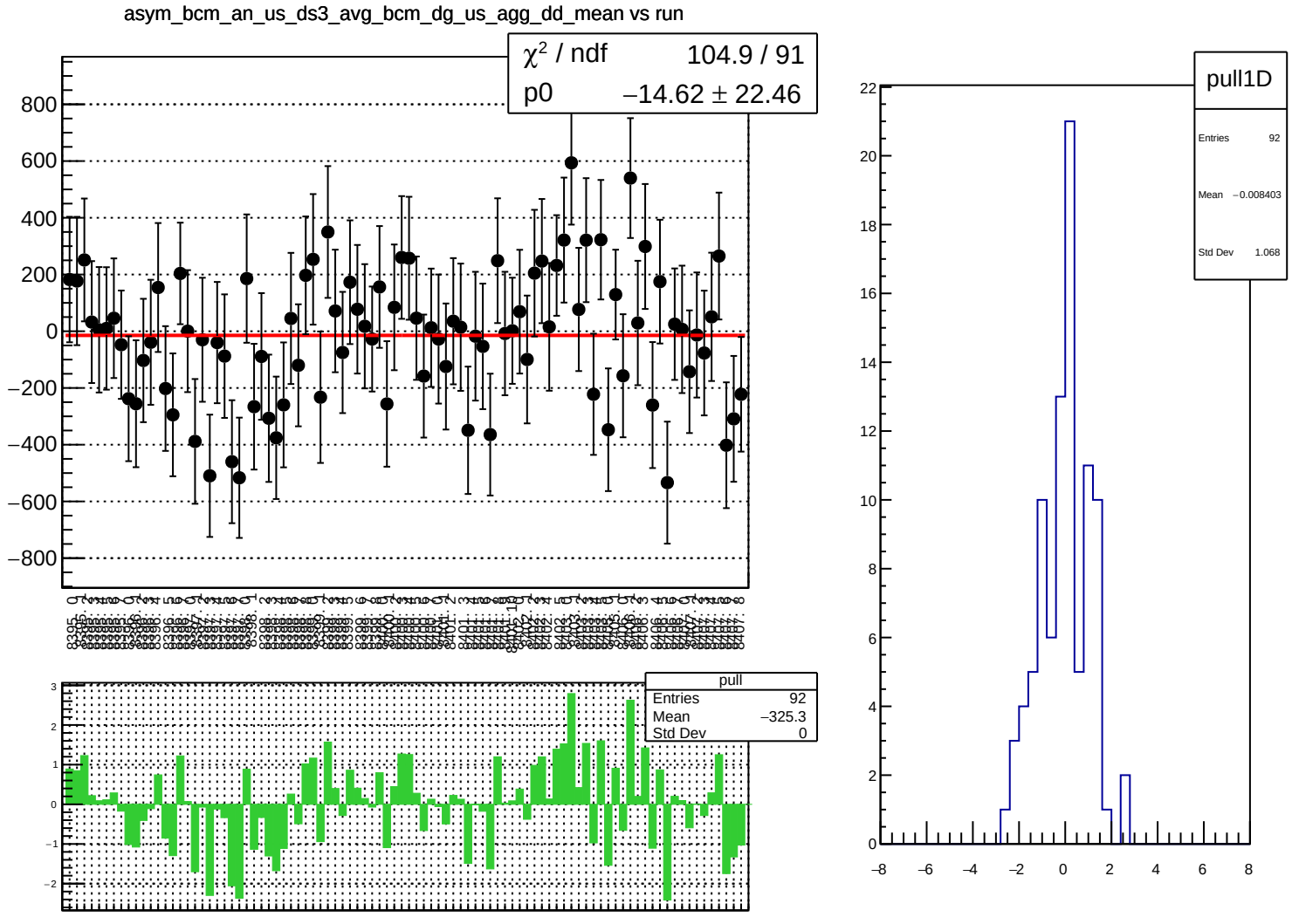

pull1D
Entries 92
Mean −0.008384
Std Dev 1.076
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

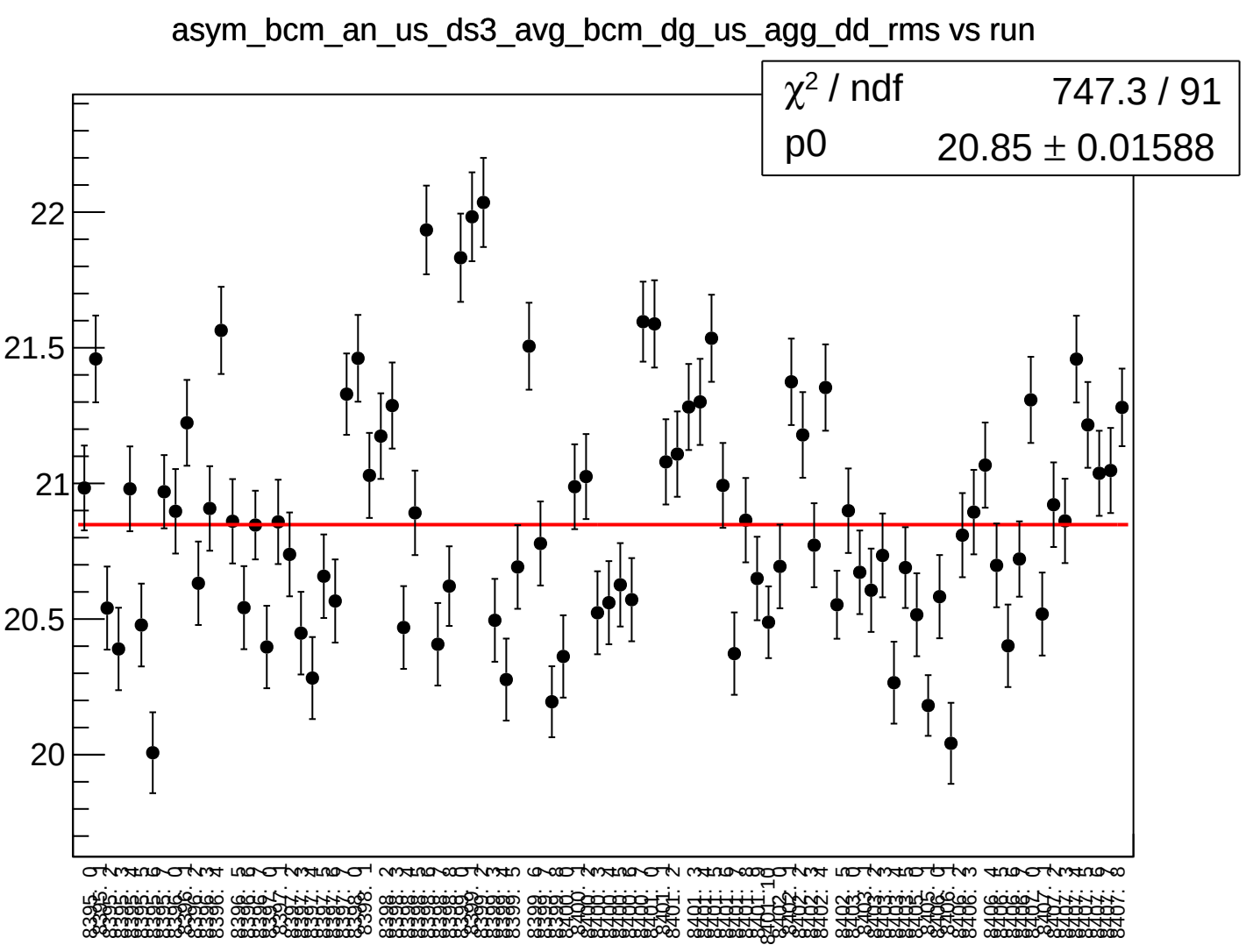

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 723.6 / 91
p0 20.9 ± 0.01592
22.5
22
21.5
21
20.5
20

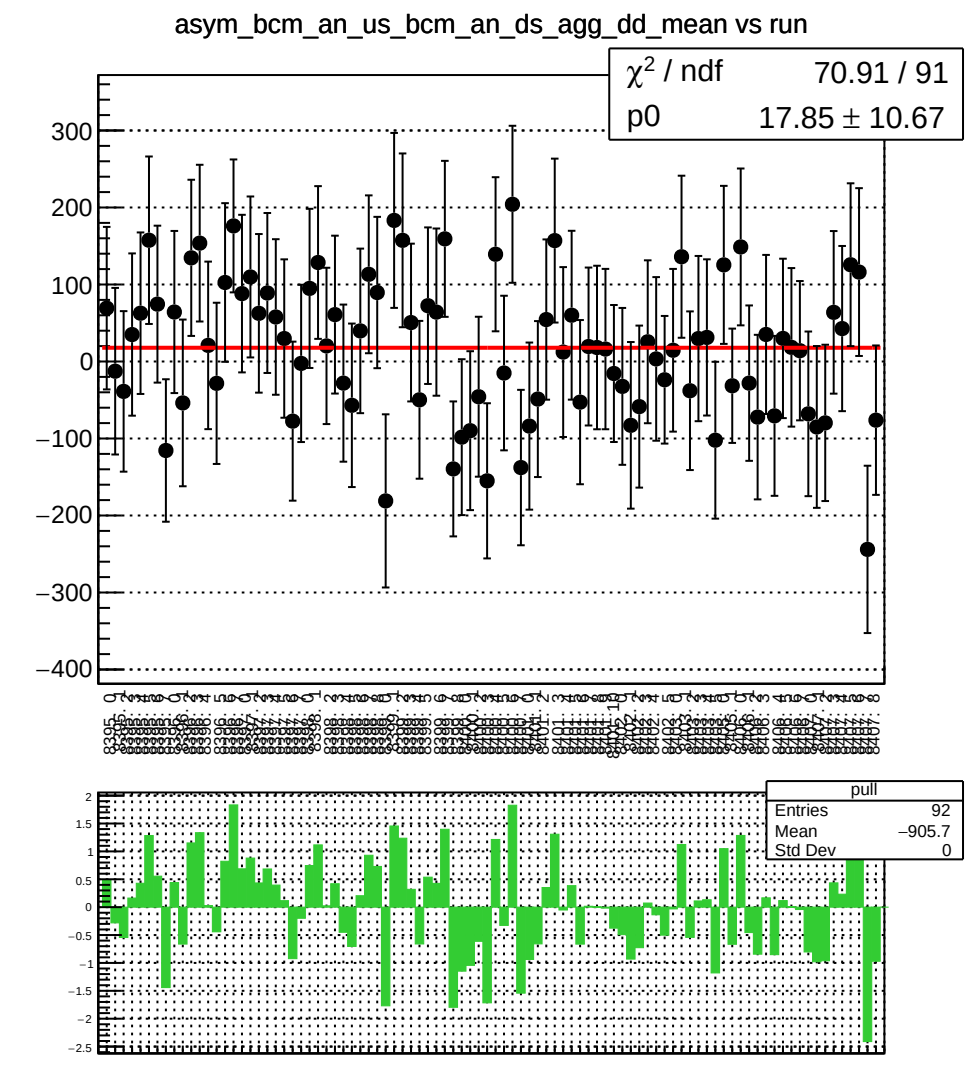

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 95 / 91
p0 −2.569 ± 16.49
400
200
0
−200
−400
−600
pull
Entries 92
Mean 280.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

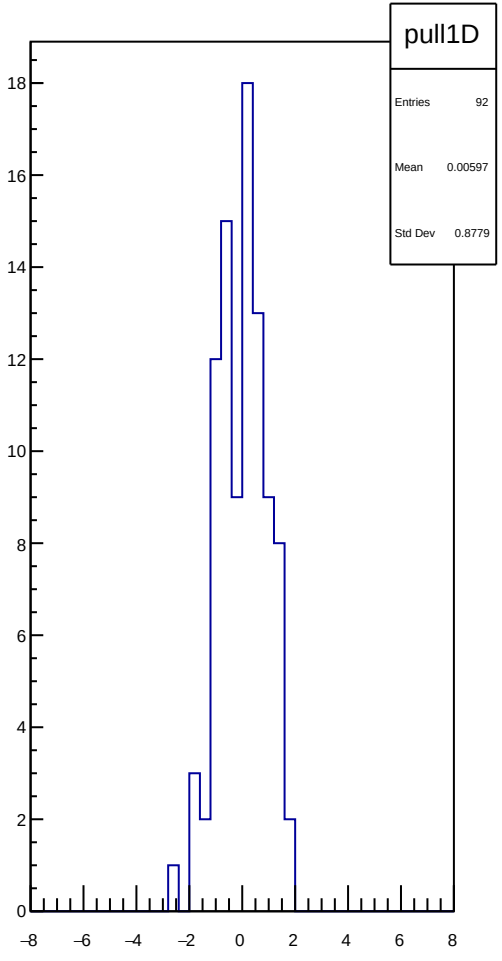

pull1D
Entries 92
Mean −0.005575
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

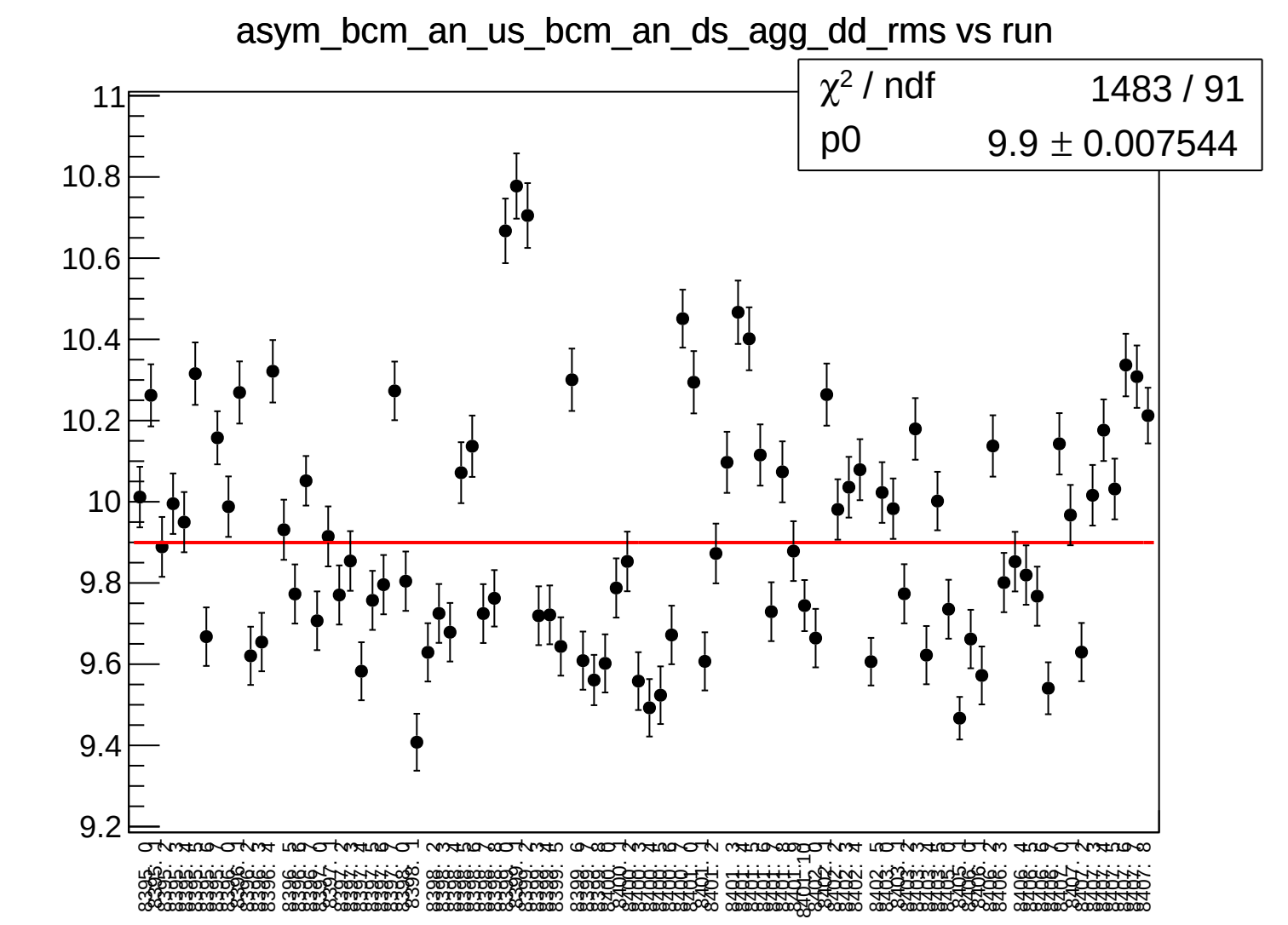

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 5381 / 91
p0 15.28 ± 0.01166
19
18
17
16
15
14

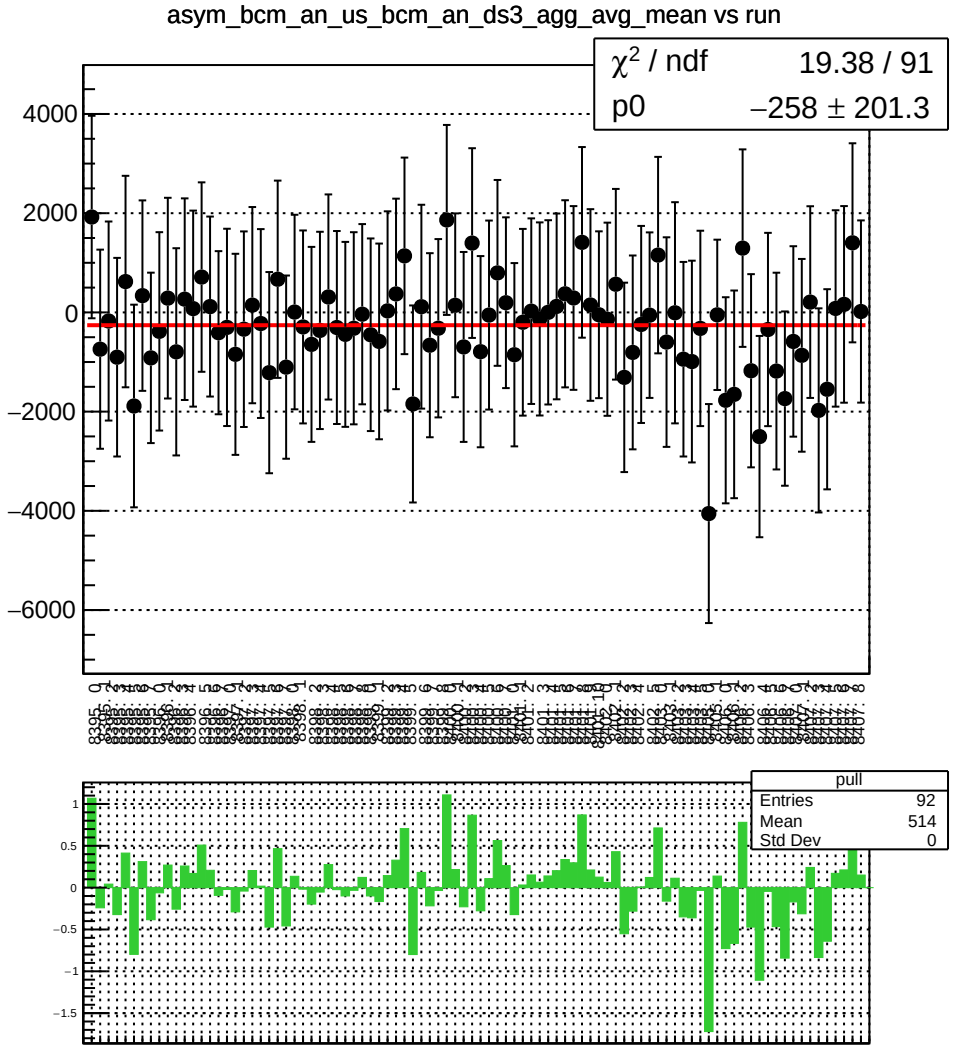

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 104.9 / 91
p0 −14.62 ± 22.46
pull
Entries 92
Mean −325.3
Std Dev 0
pull1D
Entries 92
Mean −0.008403
Std Dev 1.068

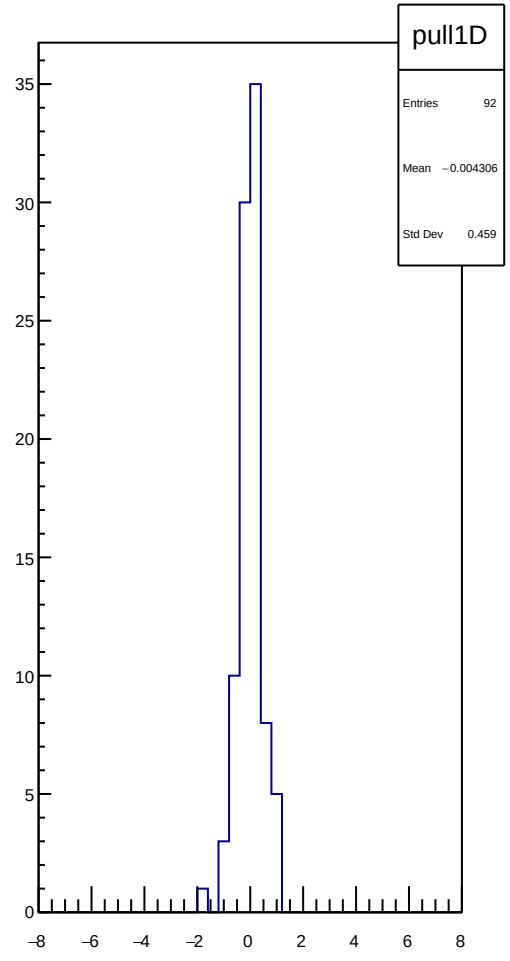

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 747.3 / 91
p0 20.85 ± 0.01588
22
21.5
21
20.5
20

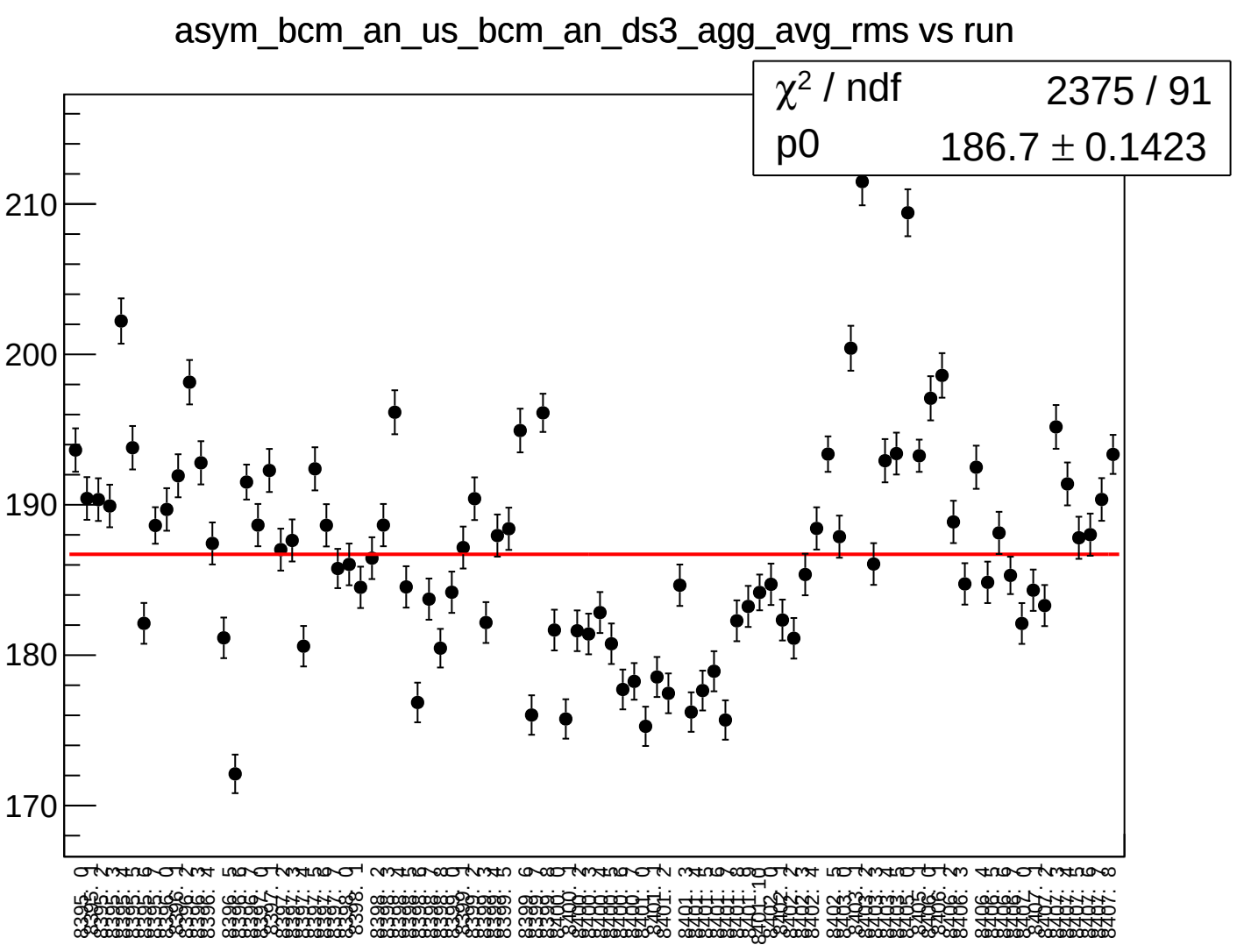

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 70.91 / 91
p0 17.85 ± 10.67
pull
Entries 92
Mean −905.7
Std Dev 0

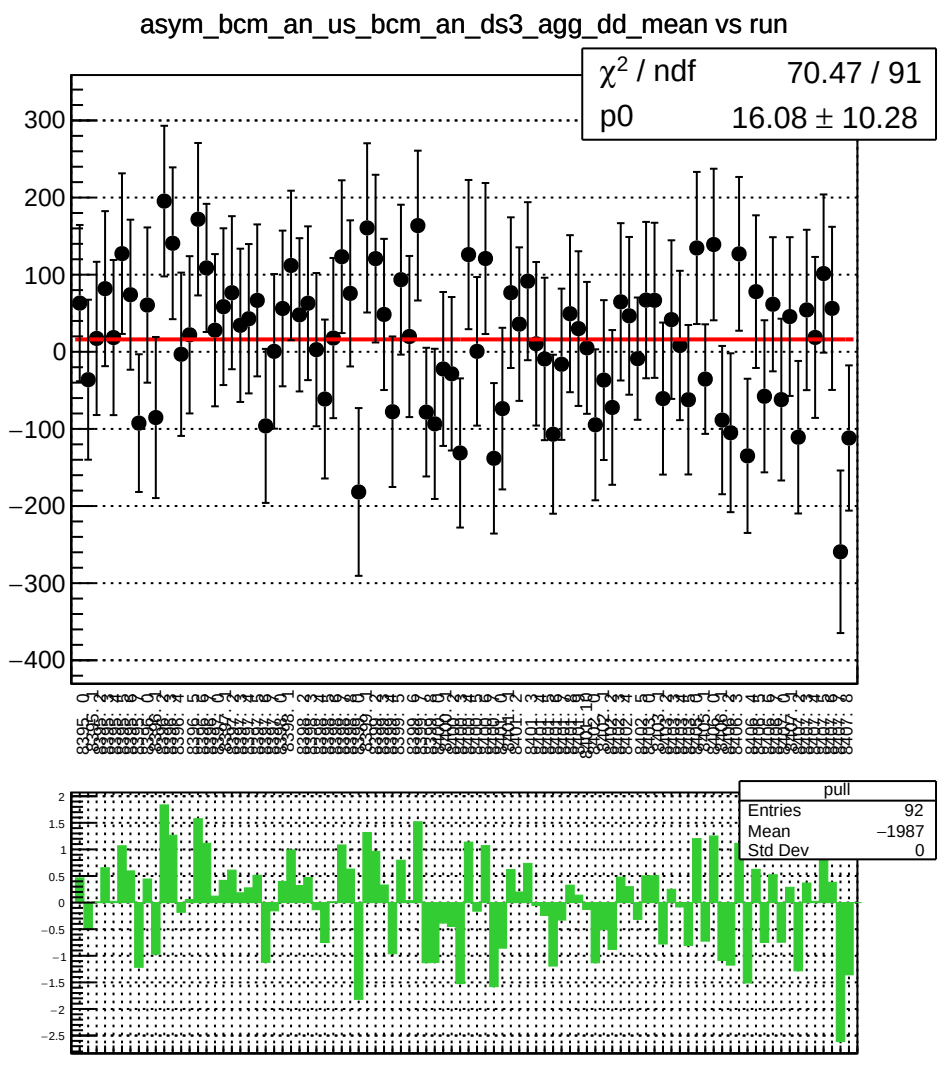

pull1D
Entries 92
Mean 0.00597
Std Dev 0.8779

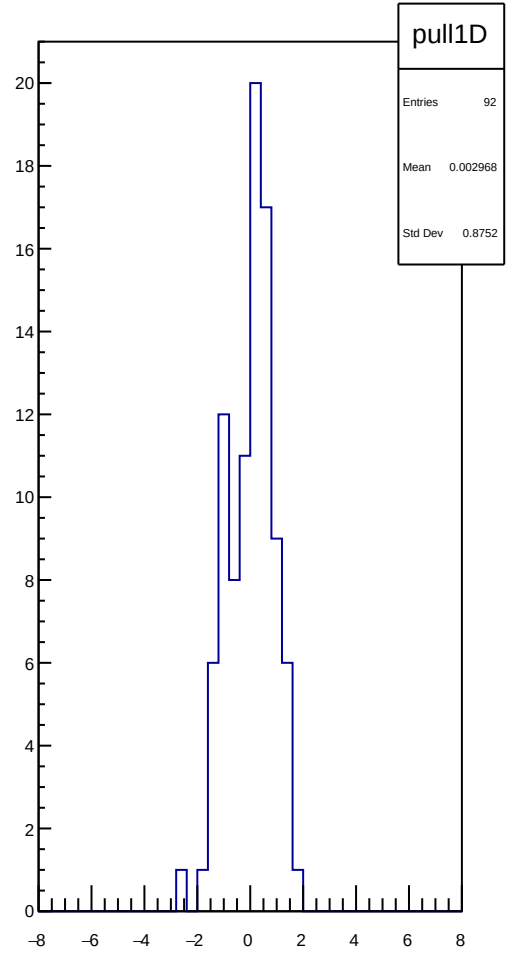

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1483 / 91
p0 9.9 ± 0.007544
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2

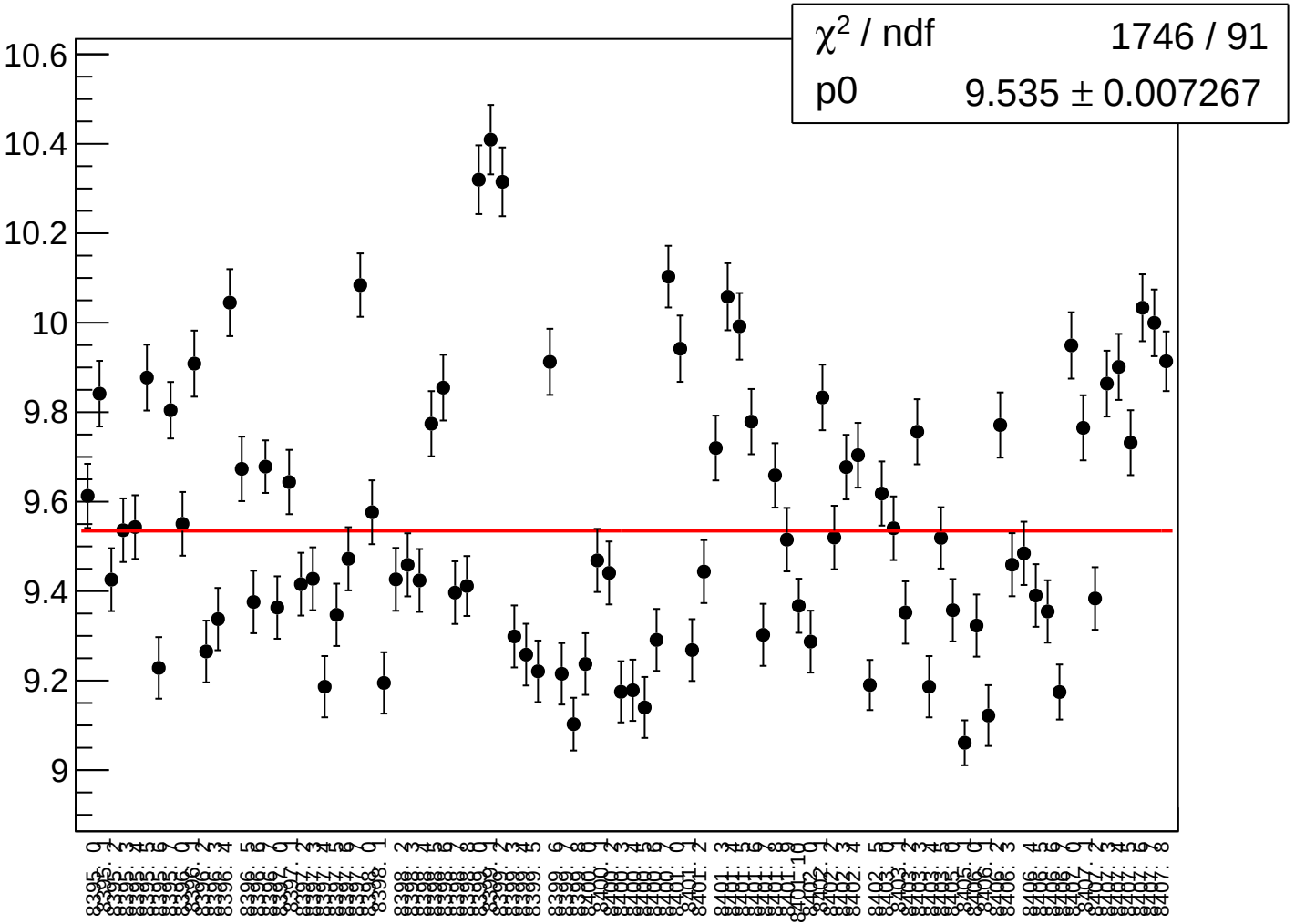

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 19.38 / 91
p0 −258 ± 201.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 514
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

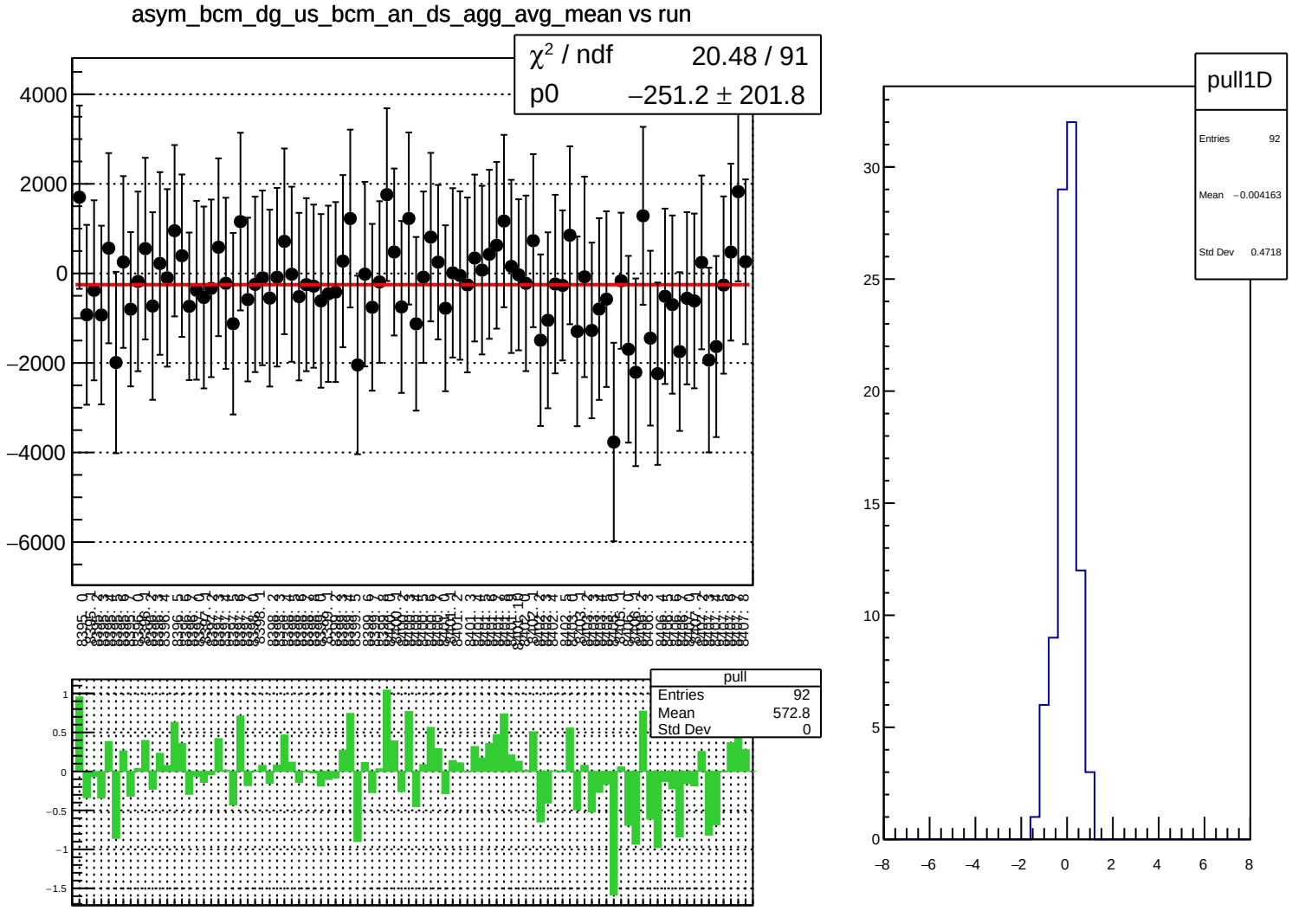

pull1D
Entries 92
Mean −0.004306
Std Dev 0.459
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

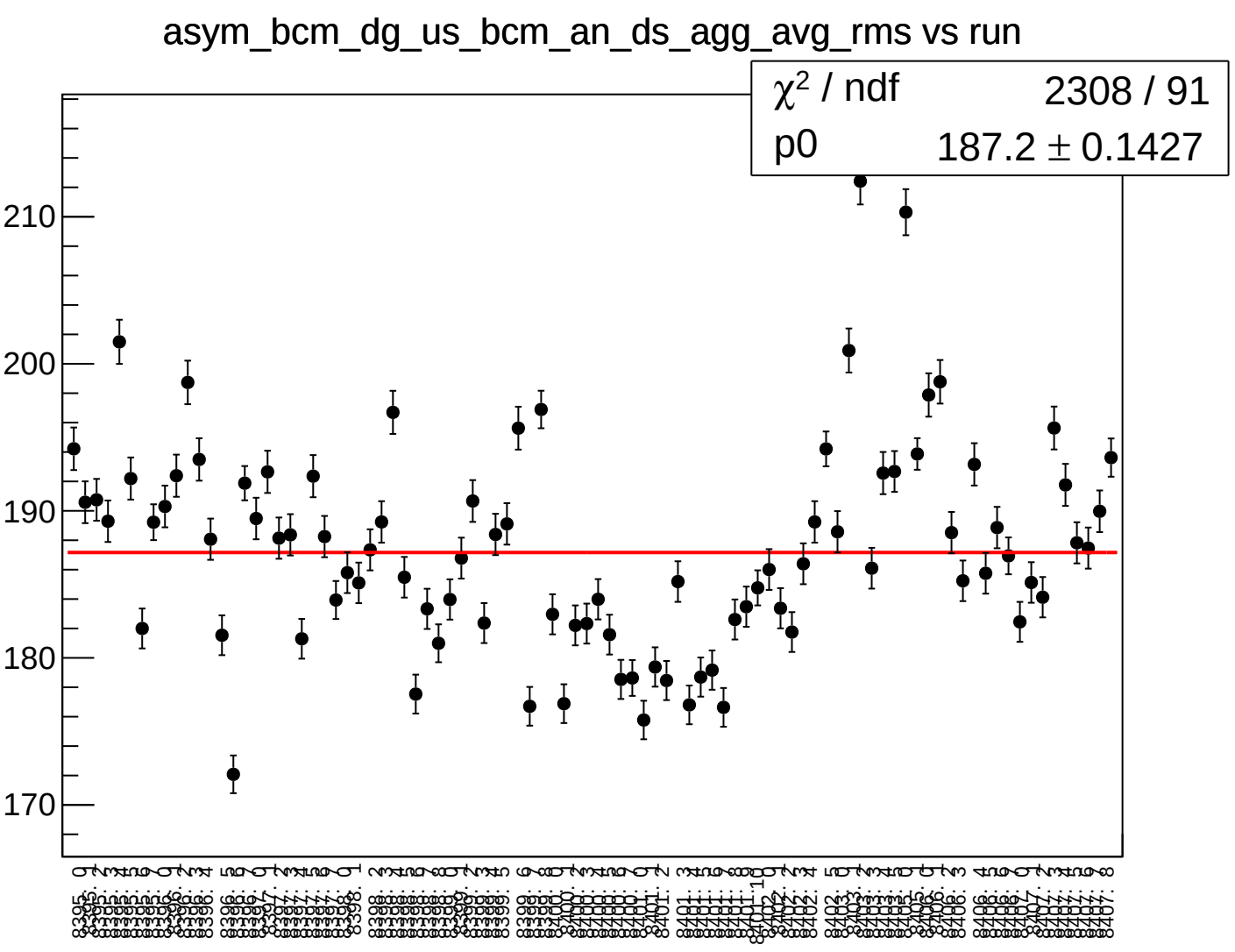

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2375 / 91
p0 186.7 ± 0.1423
210
200
190
180
170

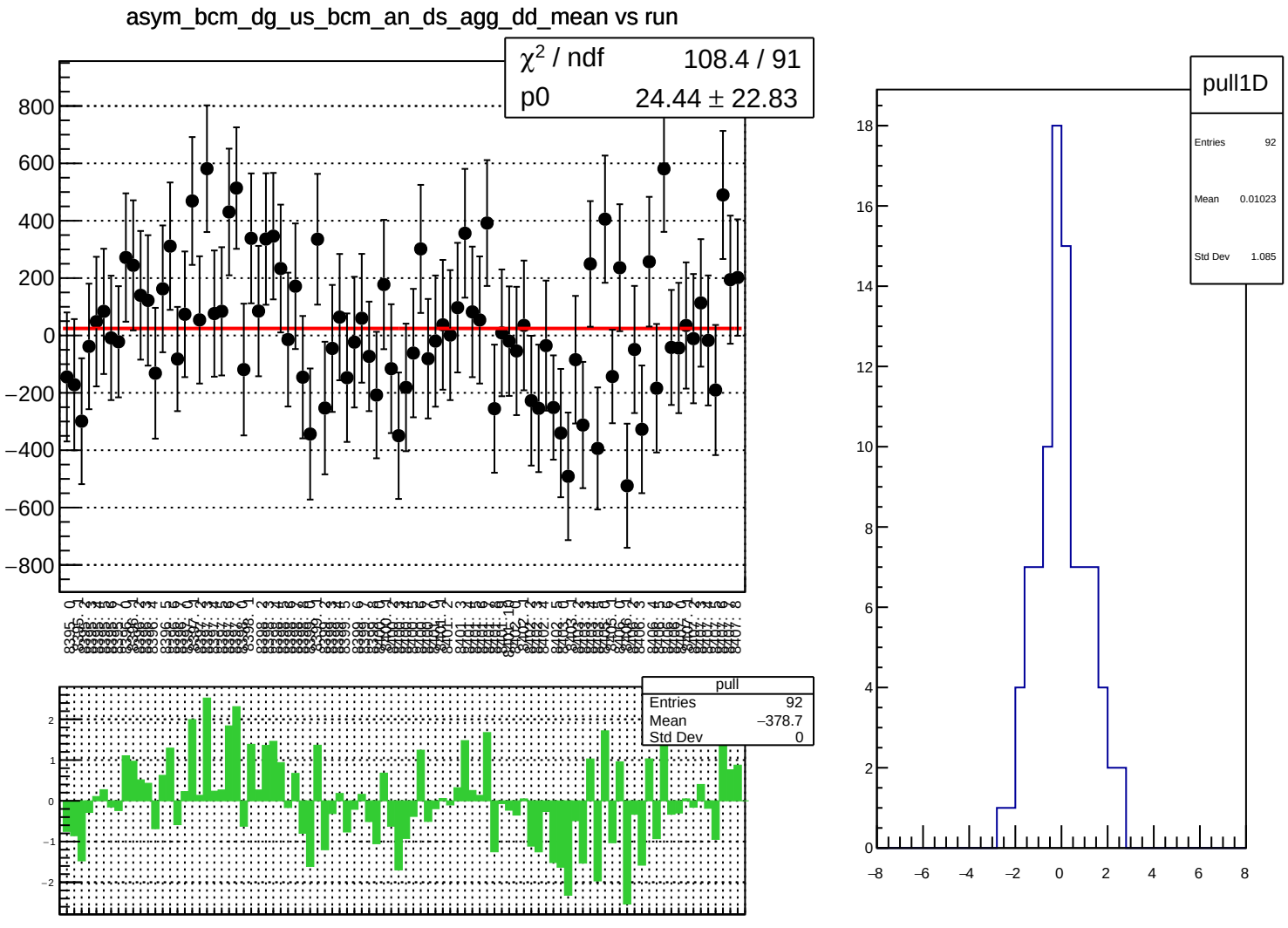

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 70.47 / 91
p0 16.08 ± 10.28
pull
Entries 92
Mean −1987
Std Dev 0

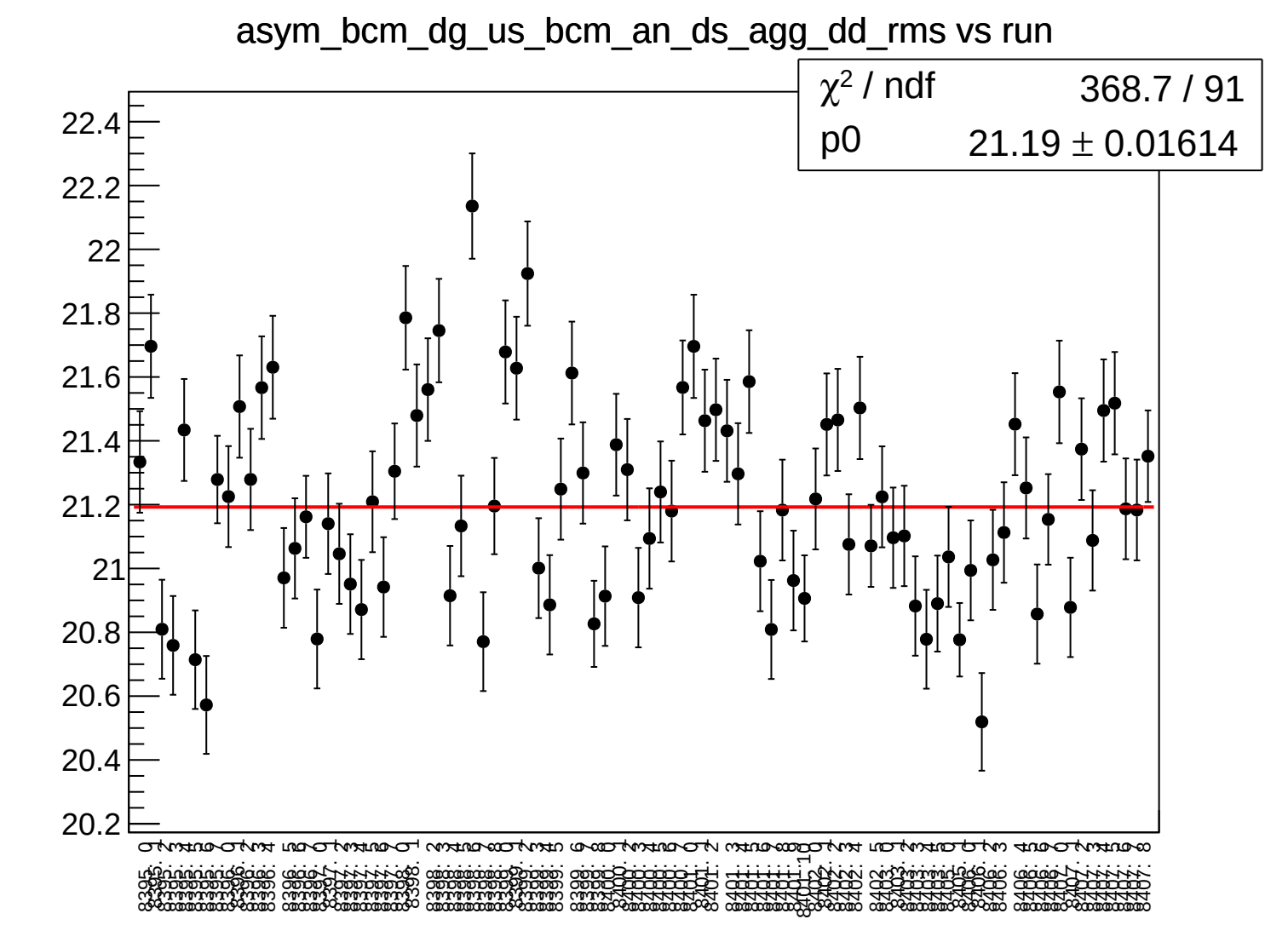

pull1D
Entries 92
Mean 0.002968
Std Dev 0.8752

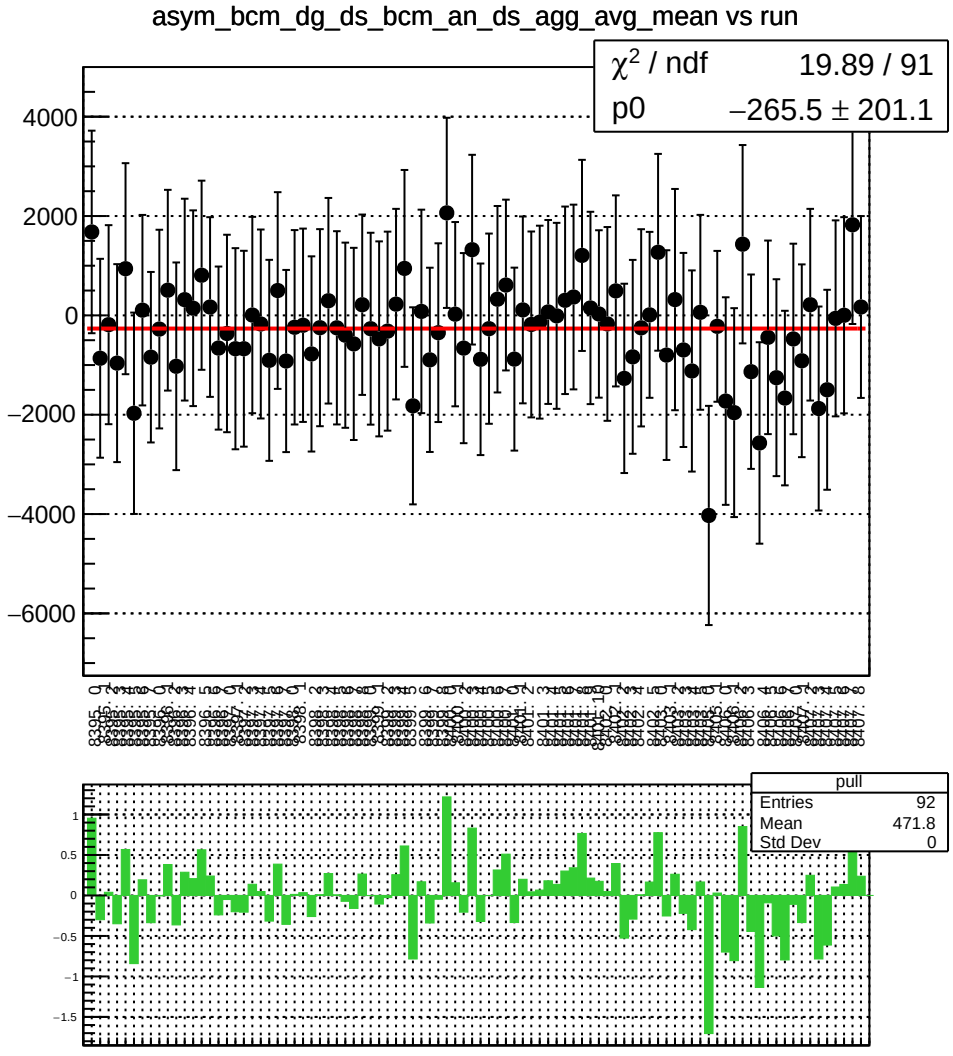

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1746 / 91
p0 9.535 ± 0.007267
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
9

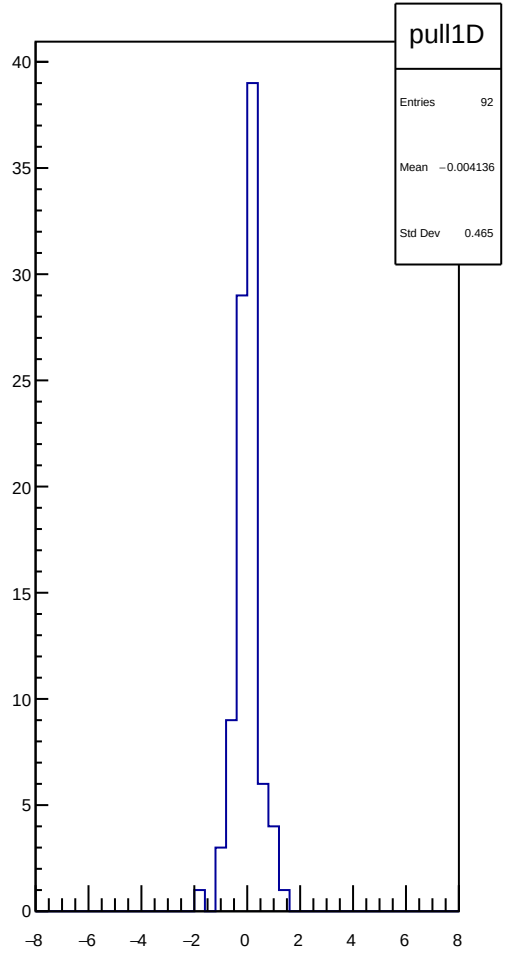

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.48 / 91
p0 −251.2 ± 201.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 572.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.004163
Std Dev 0.4718
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

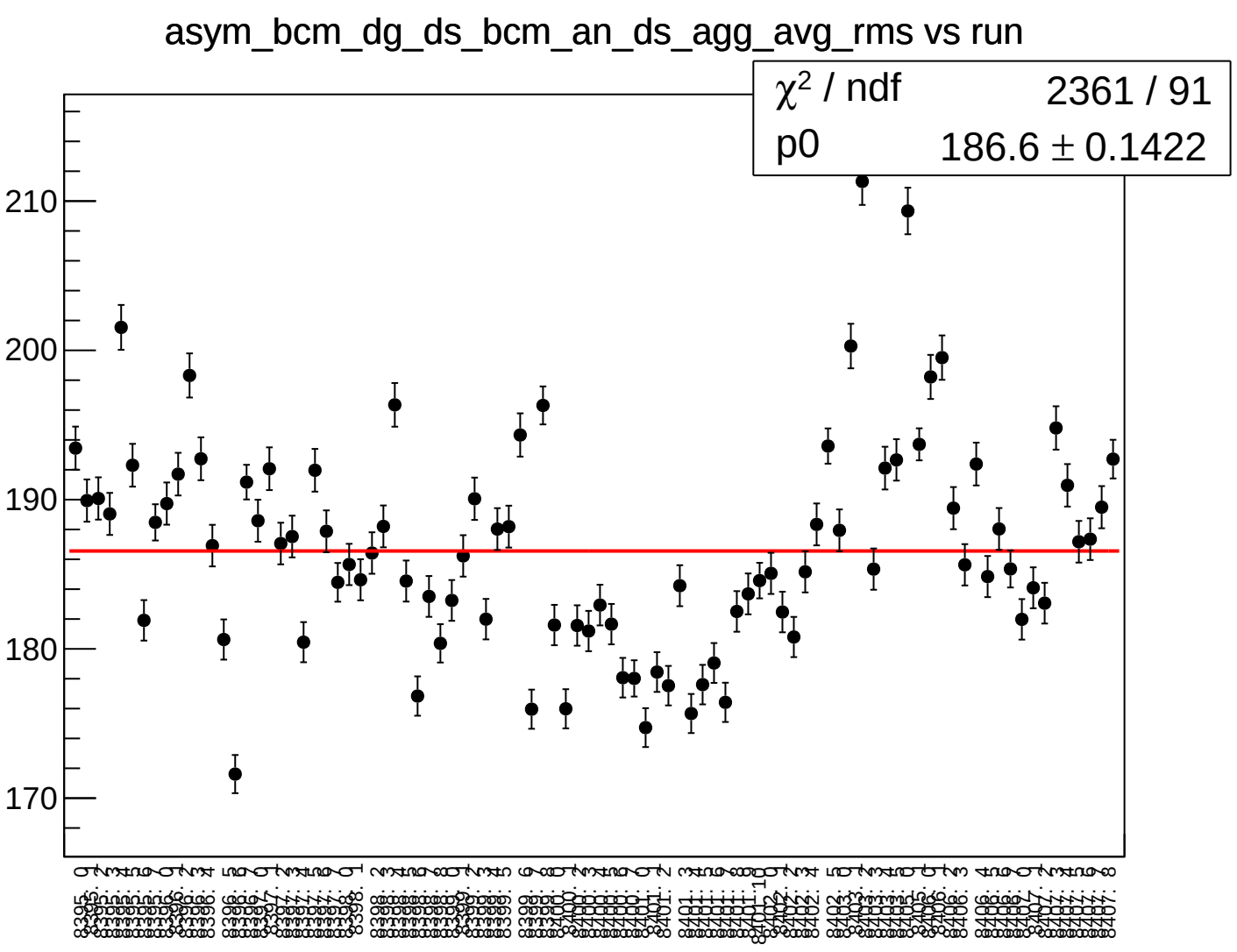

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2308 / 91
p0 187.2 ± 0.1427
210
200
190
180
170

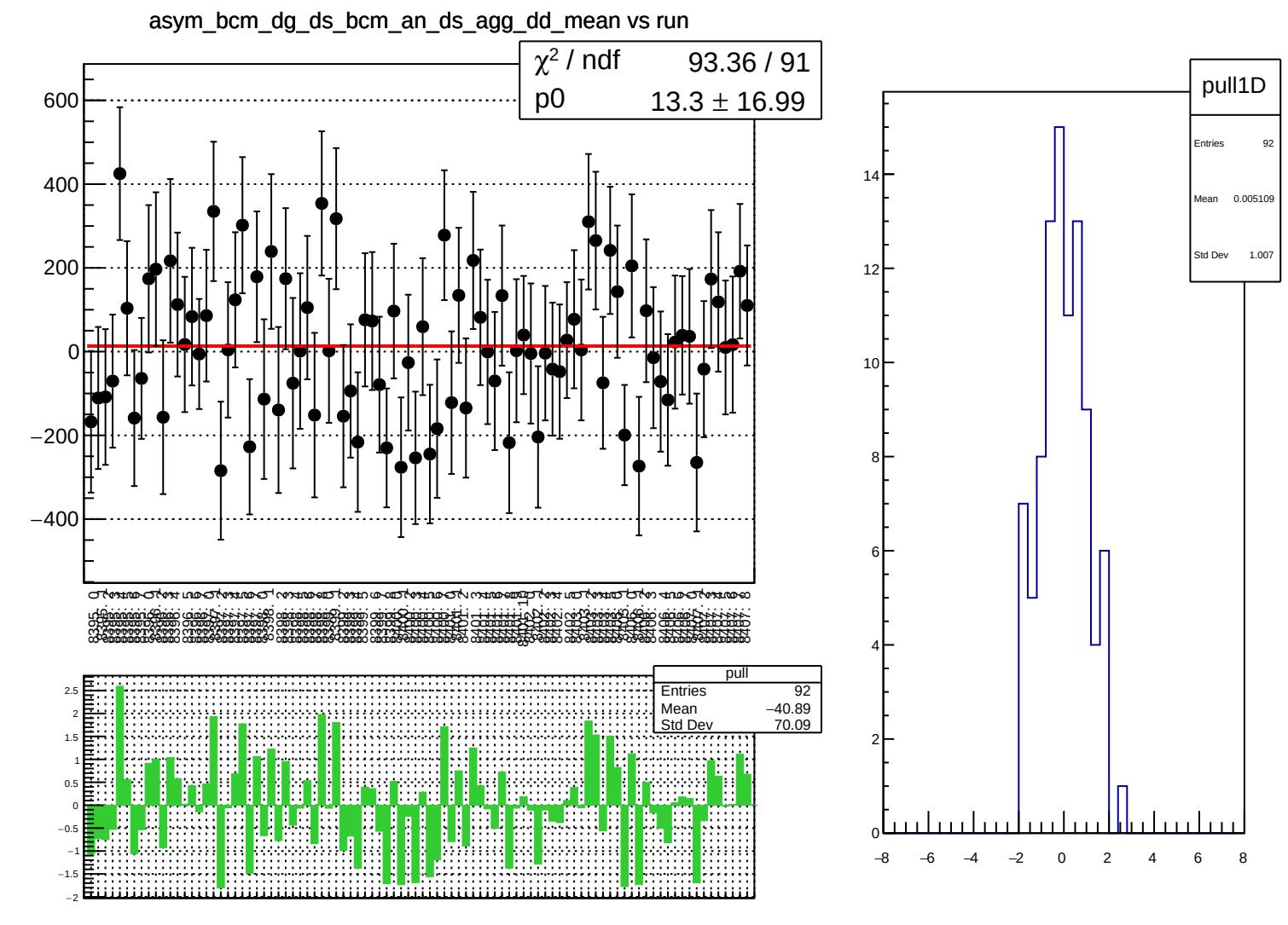

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 108.4 / 91
p0 24.44 ± 22.83
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 92
Mean −378.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.01023
Std Dev 1.085
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

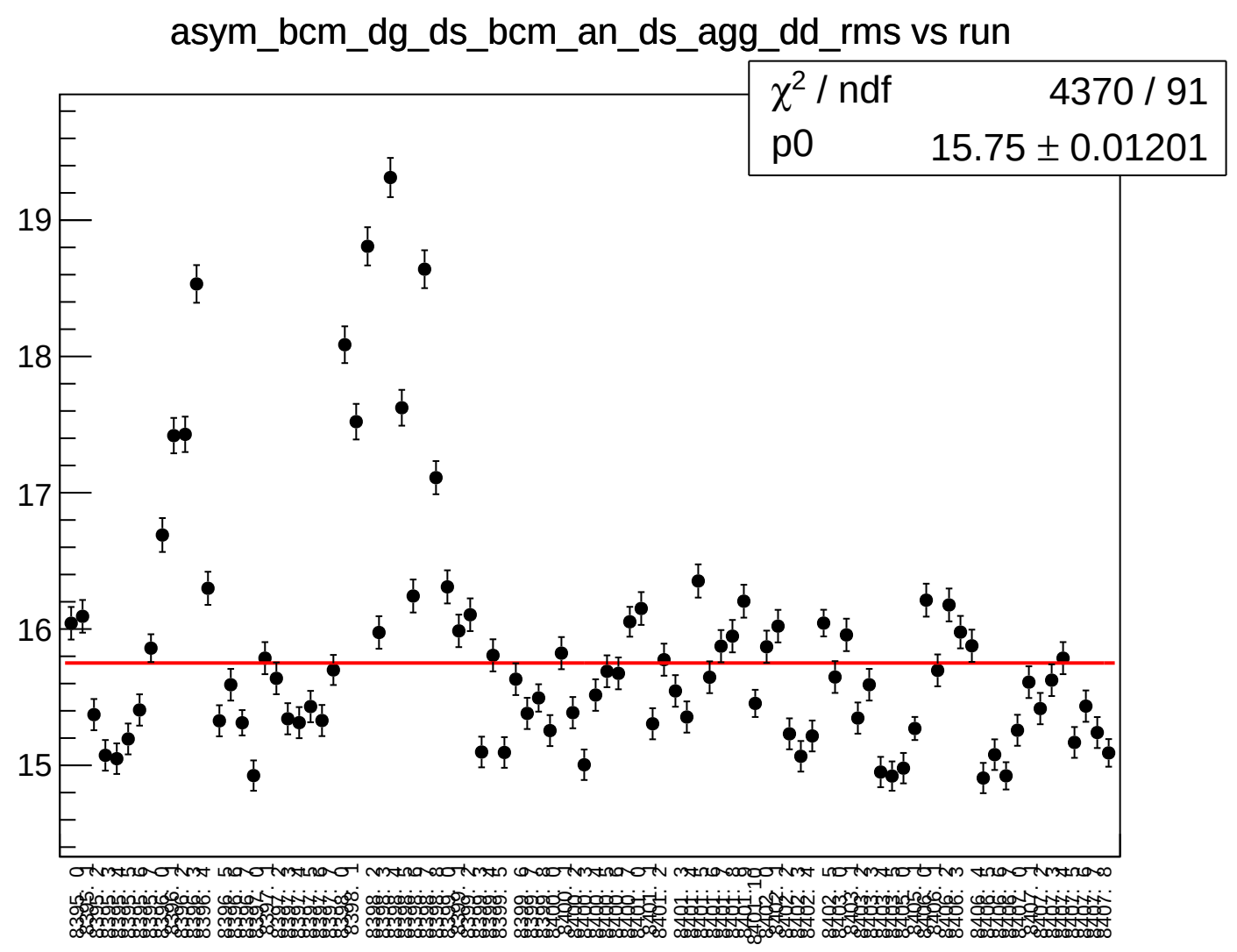

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 368.7 / 91
p0 21.19 ± 0.01614
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2

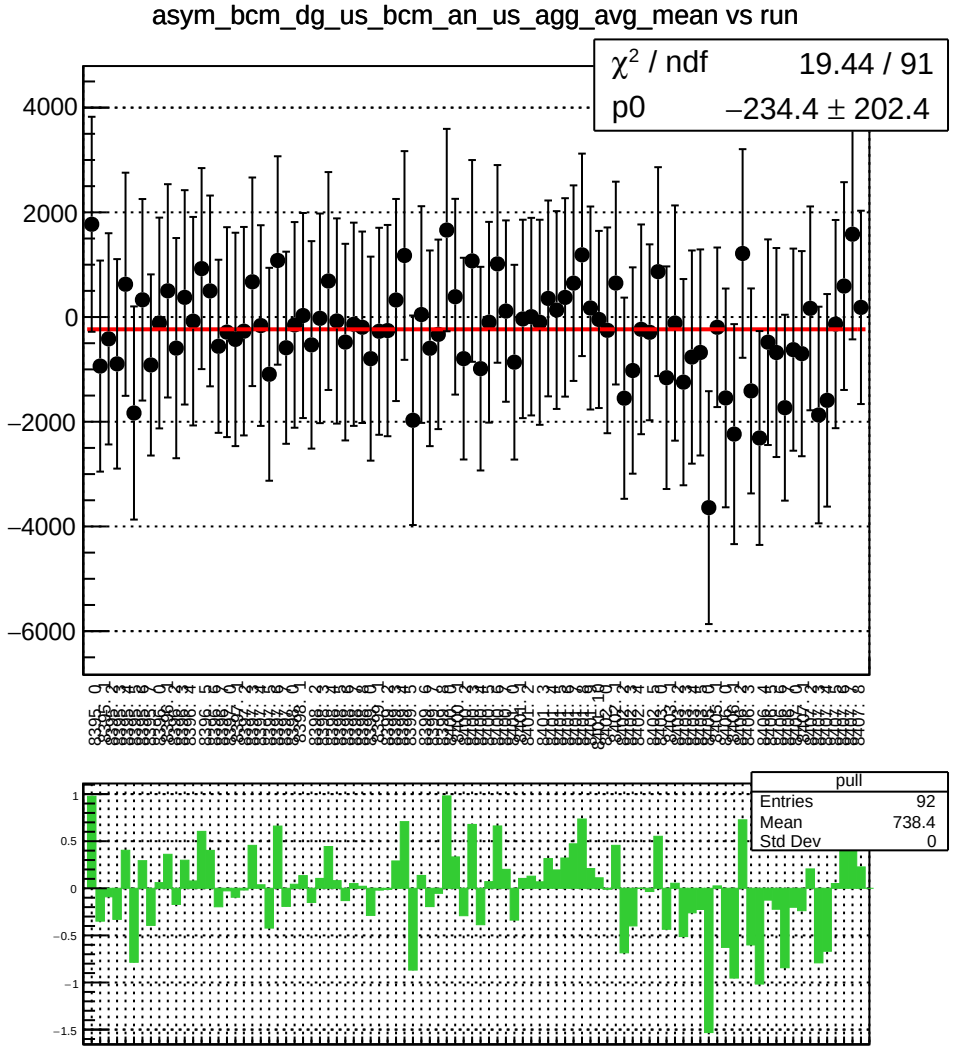

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 19.89 / 91
p0 −265.5 ± 201.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 471.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

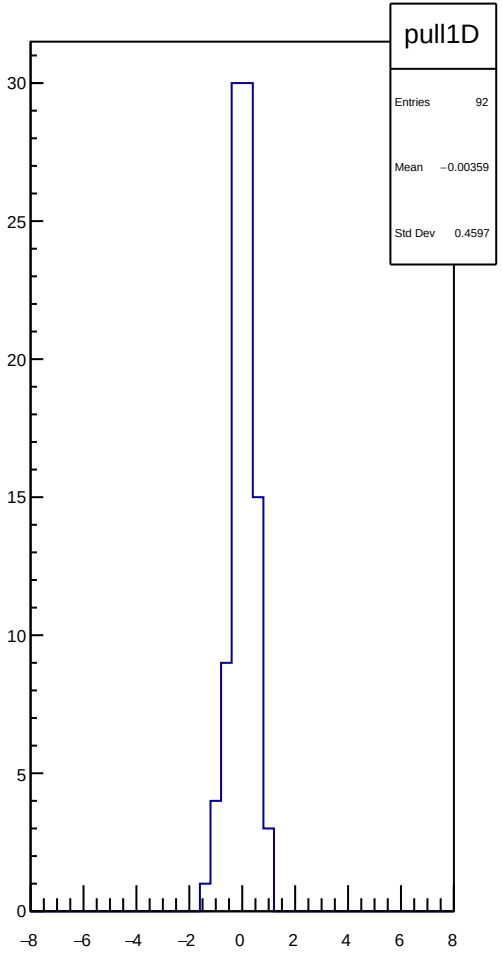

pull1D
Entries 92
Mean −0.004136
Std Dev 0.465
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

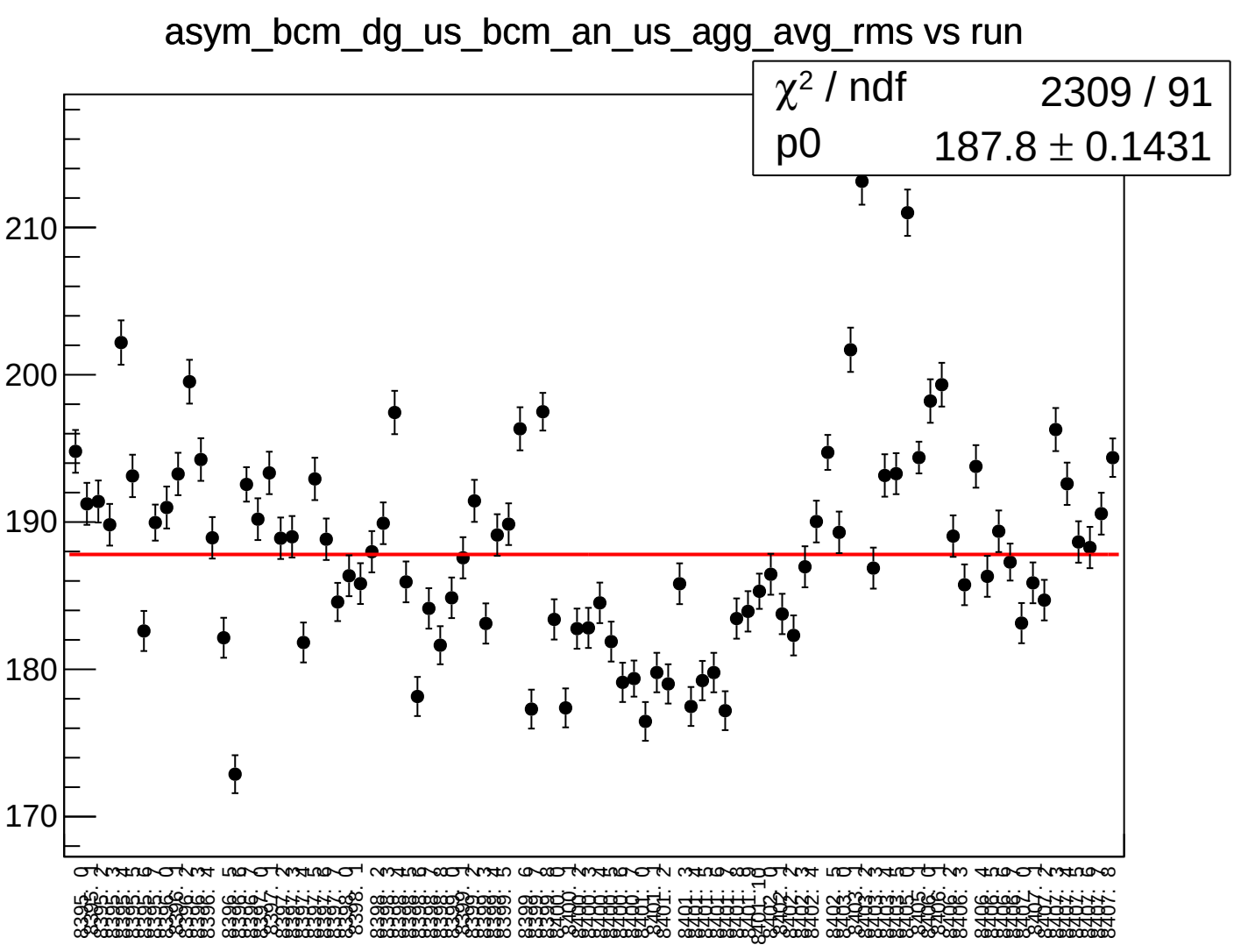

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2361 / 91
p0 186.6 ± 0.1422
210
200
190
180
170

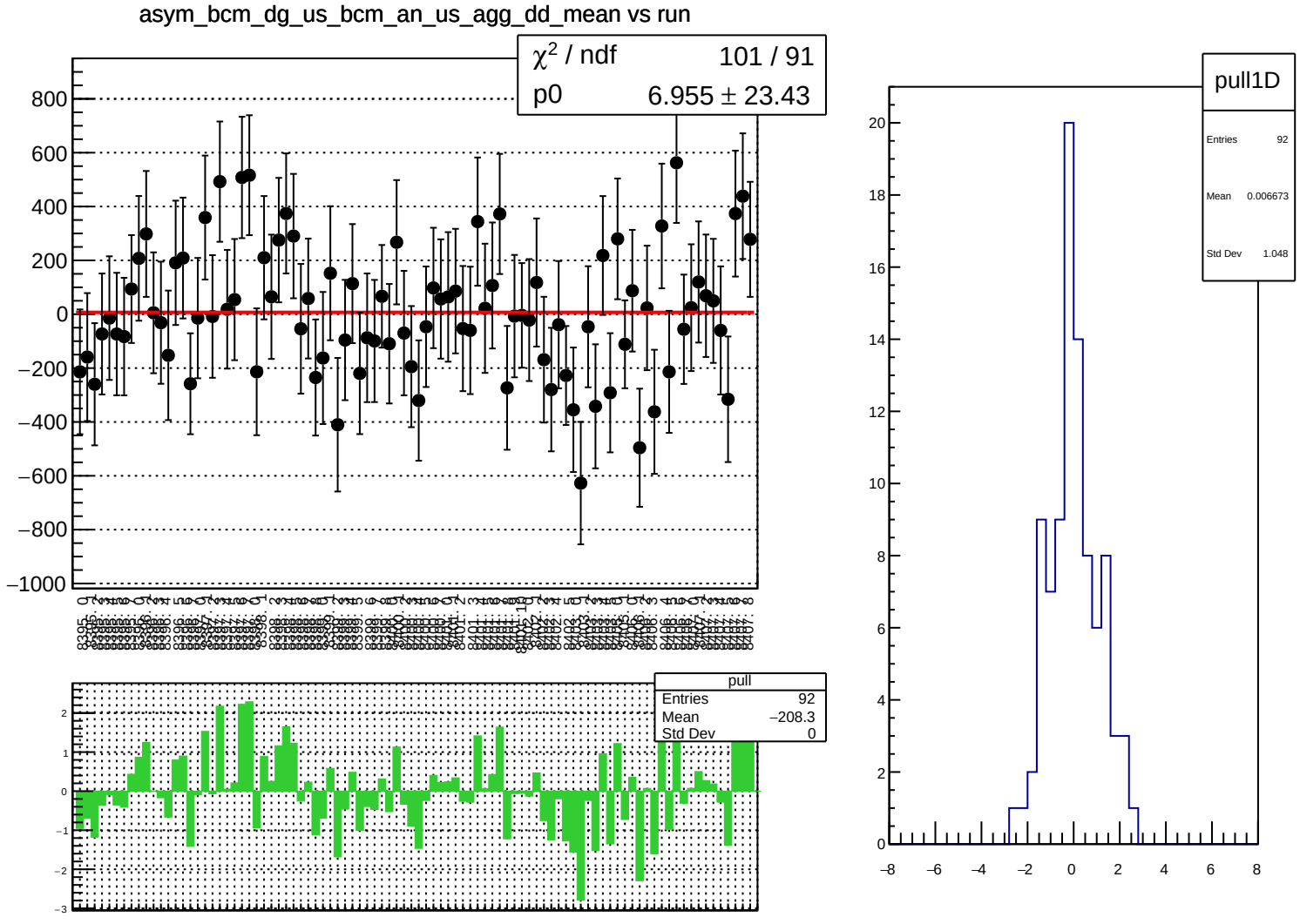

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 93.36 / 91
p0 13.3 ± 16.99
pull
Entries 92
Mean −40.89
Std Dev 70.09
pull1D
Entries 92
Mean 0.005109
Std Dev 1.007

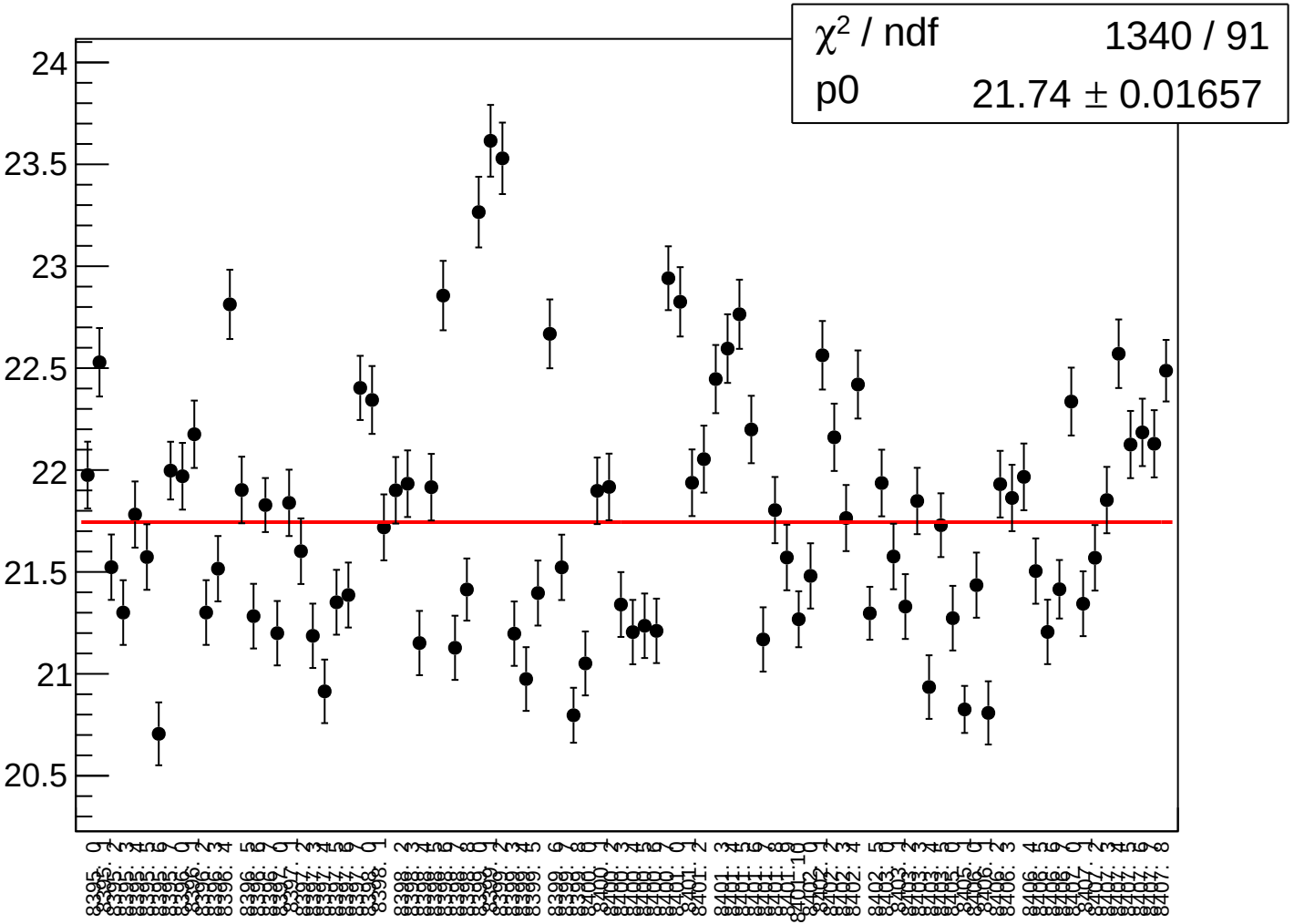

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4370 / 91
p0 15.75 ± 0.01201
19
18
17
16
15

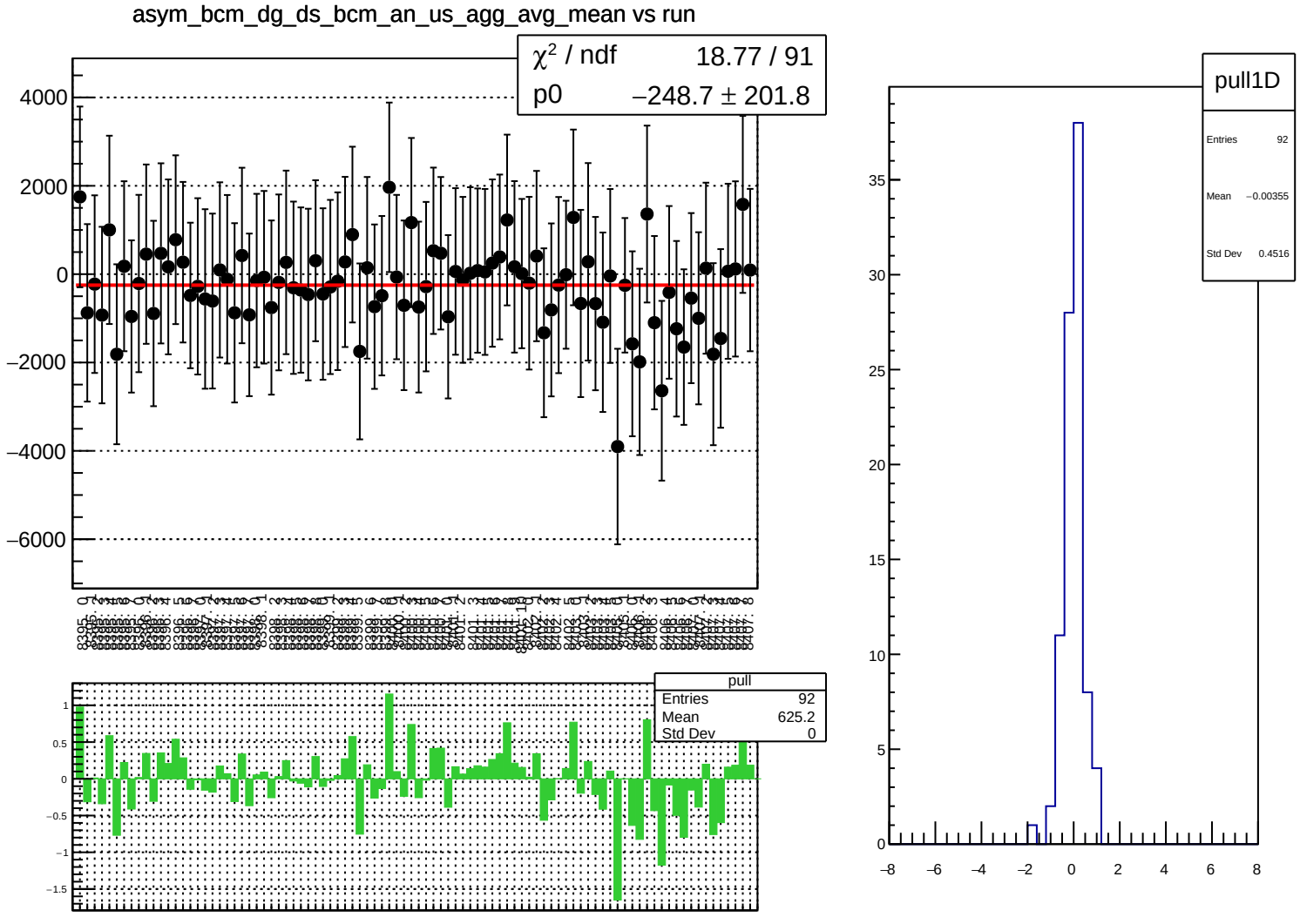

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 19.44 / 91
p0 −234.4 ± 202.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 738.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

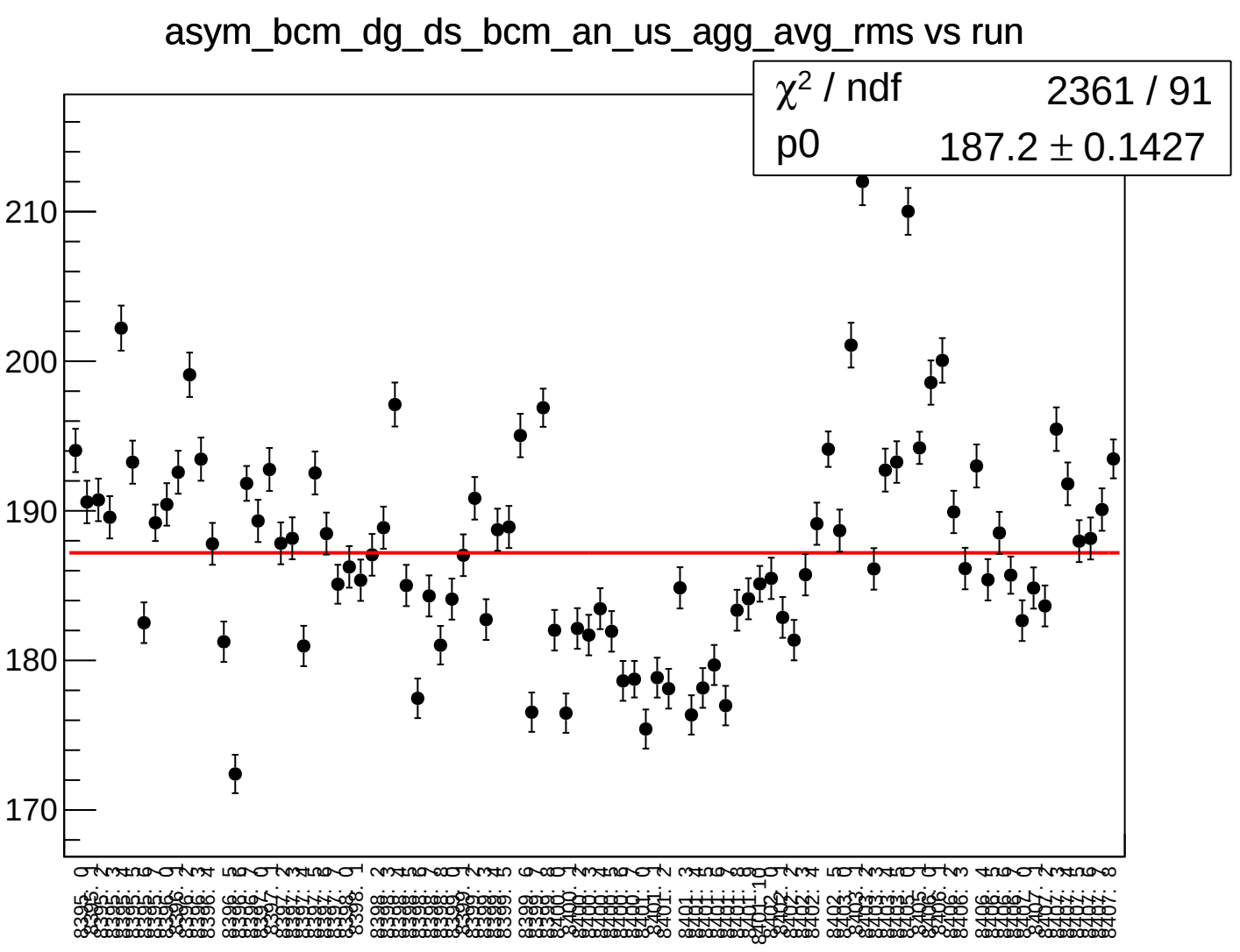

pull1D
Entries 92
Mean −0.00359
Std Dev 0.4597
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

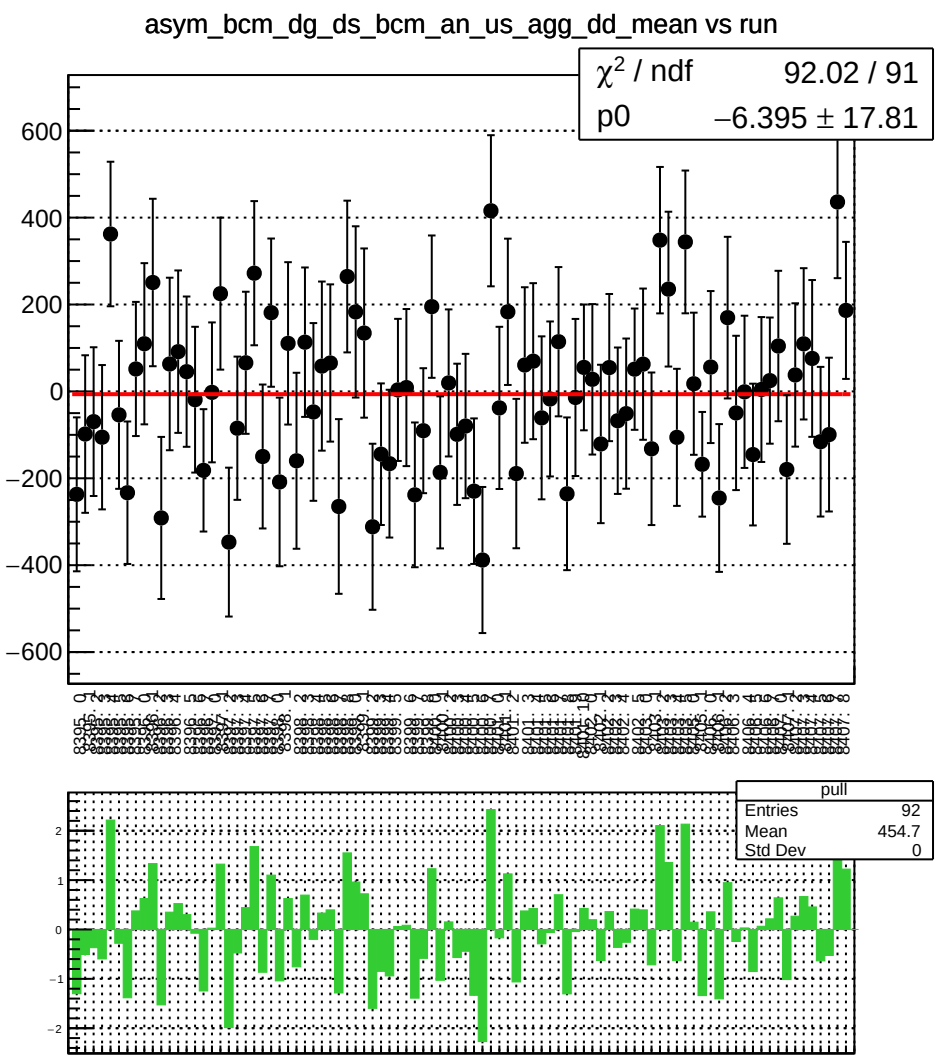

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2309 / 91
p0 187.8 ± 0.1431
210
200
190
180
170

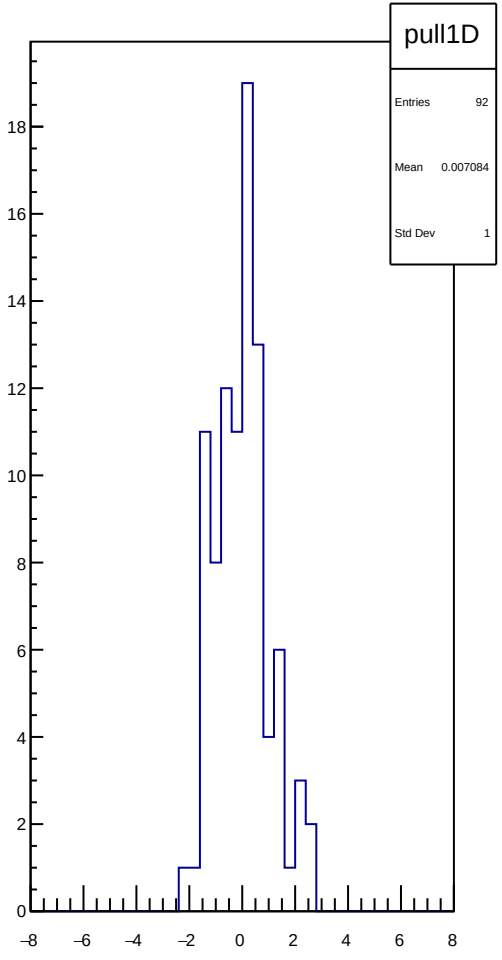

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 101 / 91
p0 6.955 ± 23.43
pull
Entries 92
Mean −208.3
Std Dev 0
pull1D
Entries 92
Mean 0.006673
Std Dev 1.048

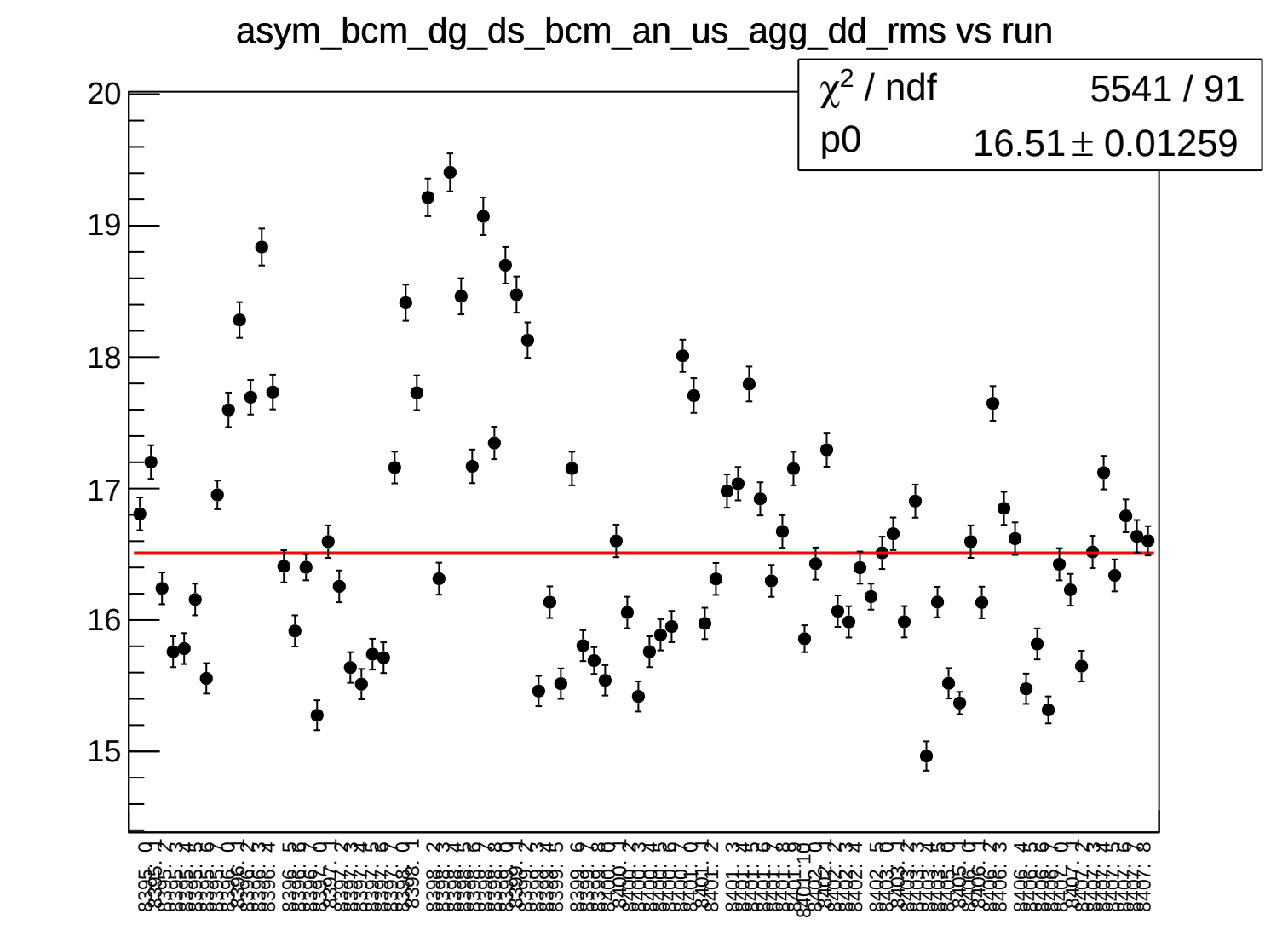

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1340 / 91
p0 21.74 ± 0.01657
24
23.5
23
22.5
22
21.5
21
20.5

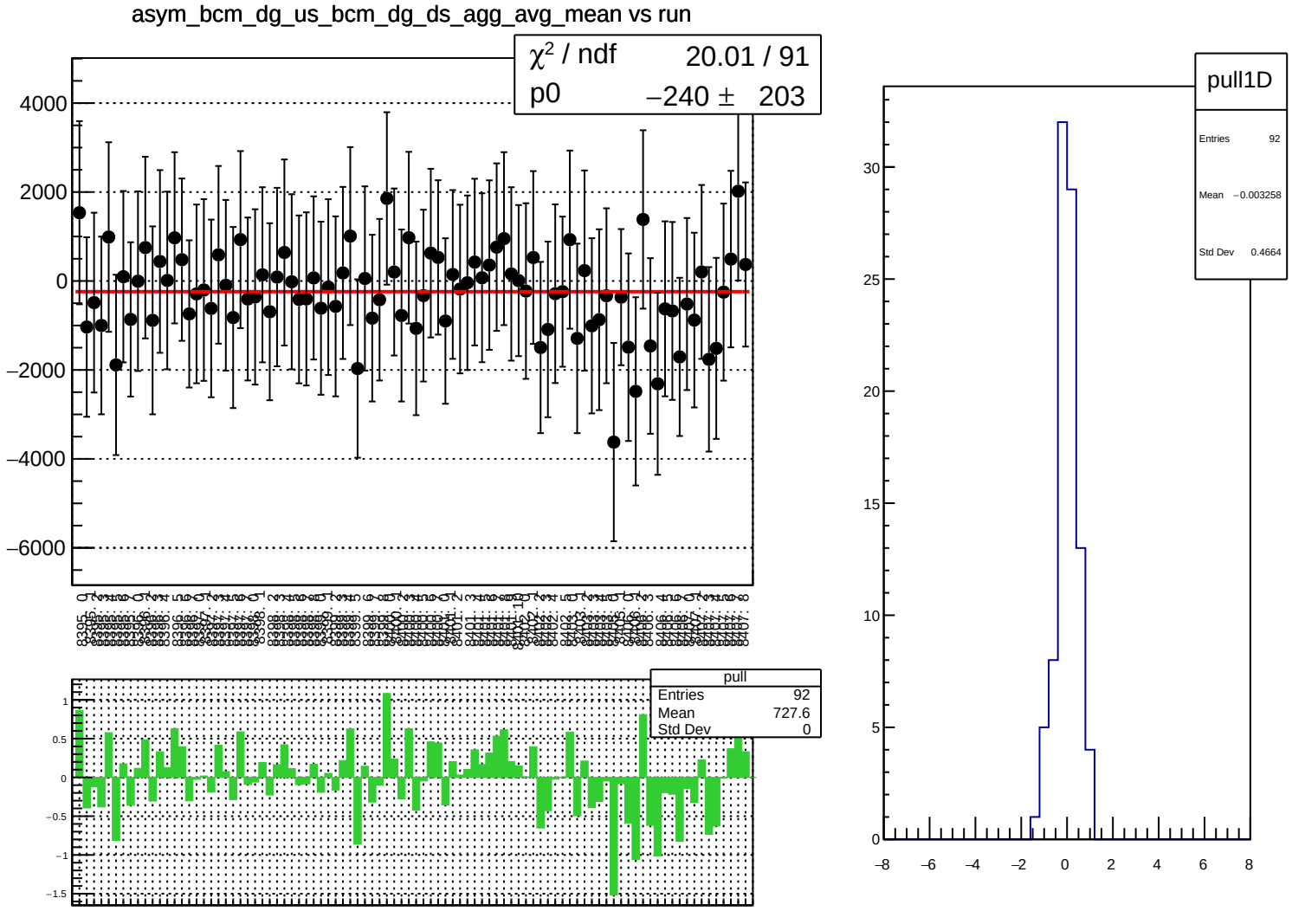

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 18.77 / 91
p0 −248.7 ± 201.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 625.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.00355
Std Dev 0.4516
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

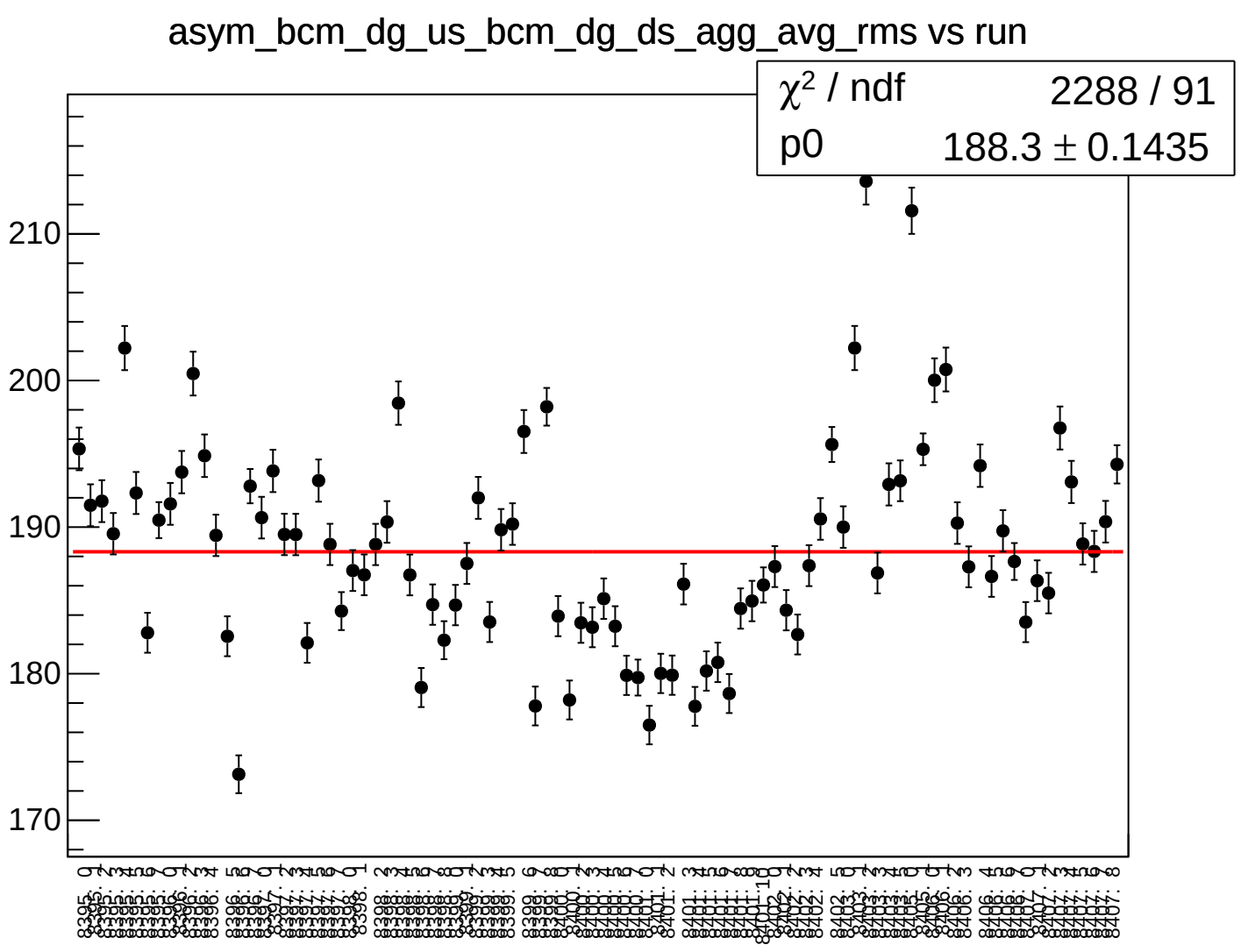

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2361 / 91
p0 187.2 ± 0.1427
210
200
190
180
170

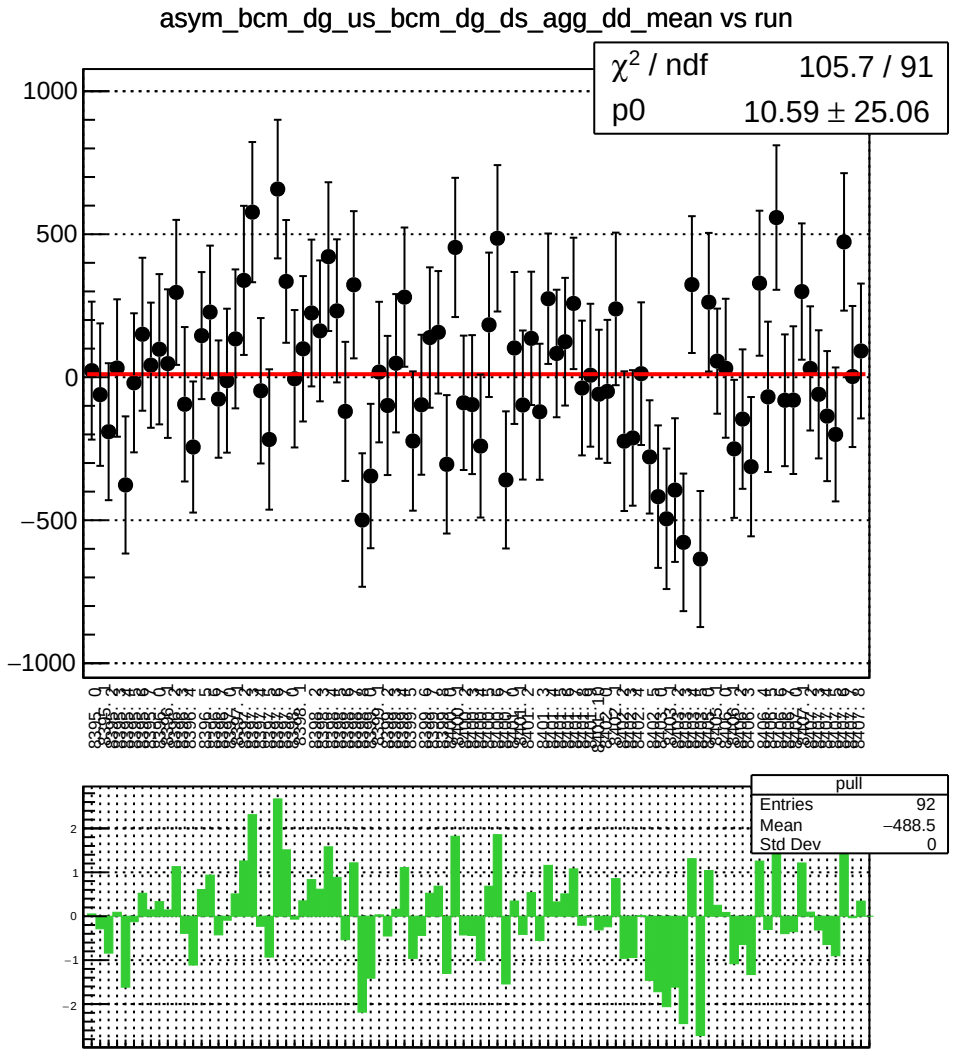

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 92.02 / 91
p0 −6.395 ± 17.81
600
400
200
0
−200
−400
−600
pull
Entries 92
Mean 454.7
Std Dev 0
2
1
0
−1
−2

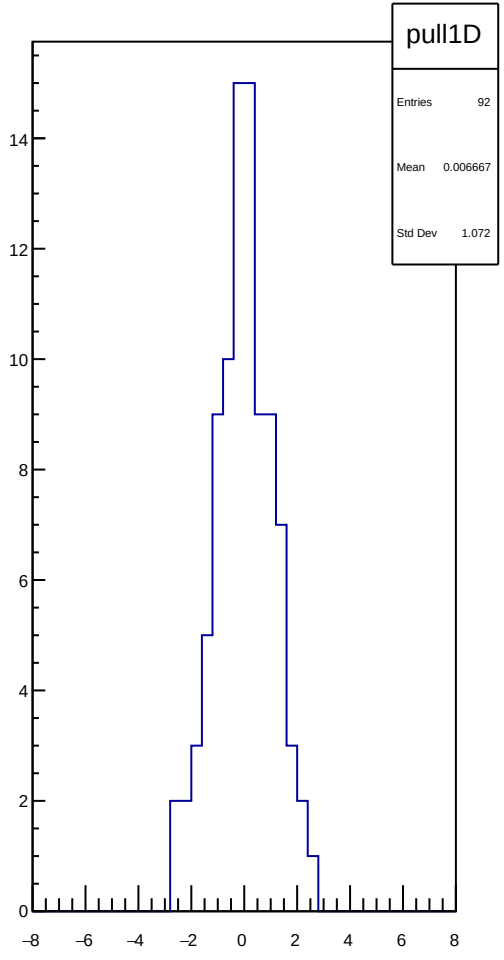

pull1D
Entries 92
Mean 0.007084
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

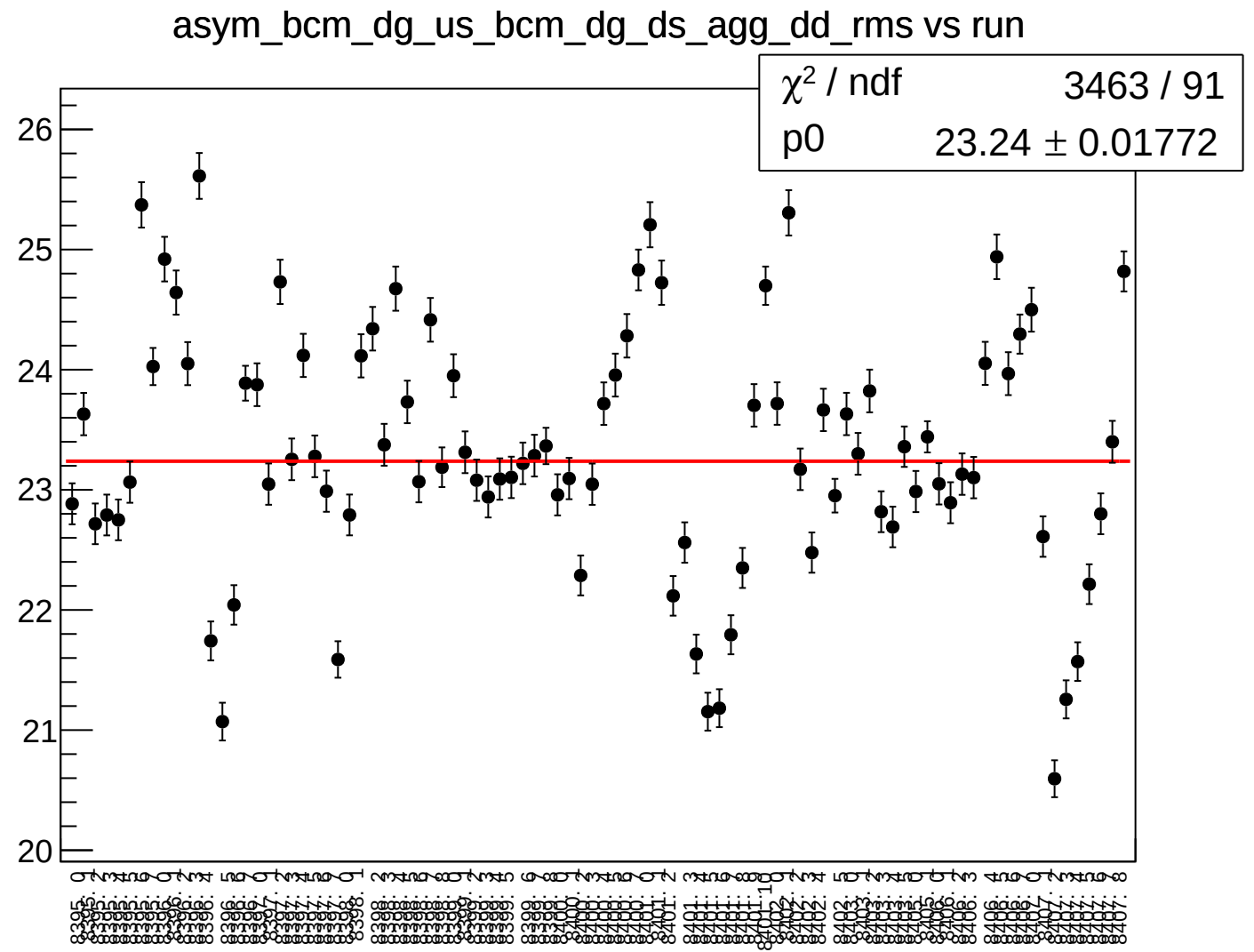

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 5541 / 91
p0 16.51 ± 0.01259
20
19
18
17
16
15

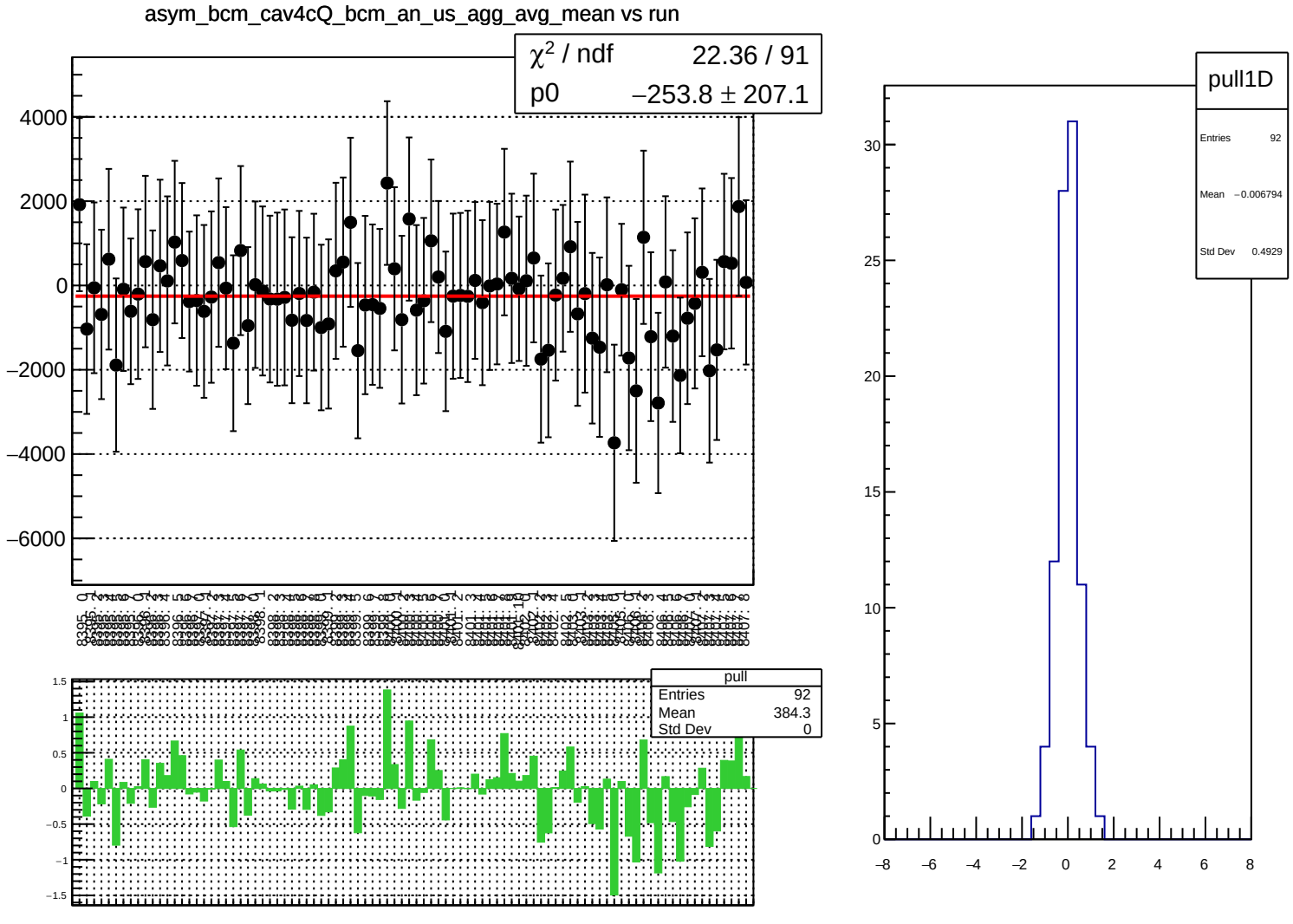

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 20.01 / 91
p0 −240 ± 203
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 727.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.003258
Std Dev 0.4664
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

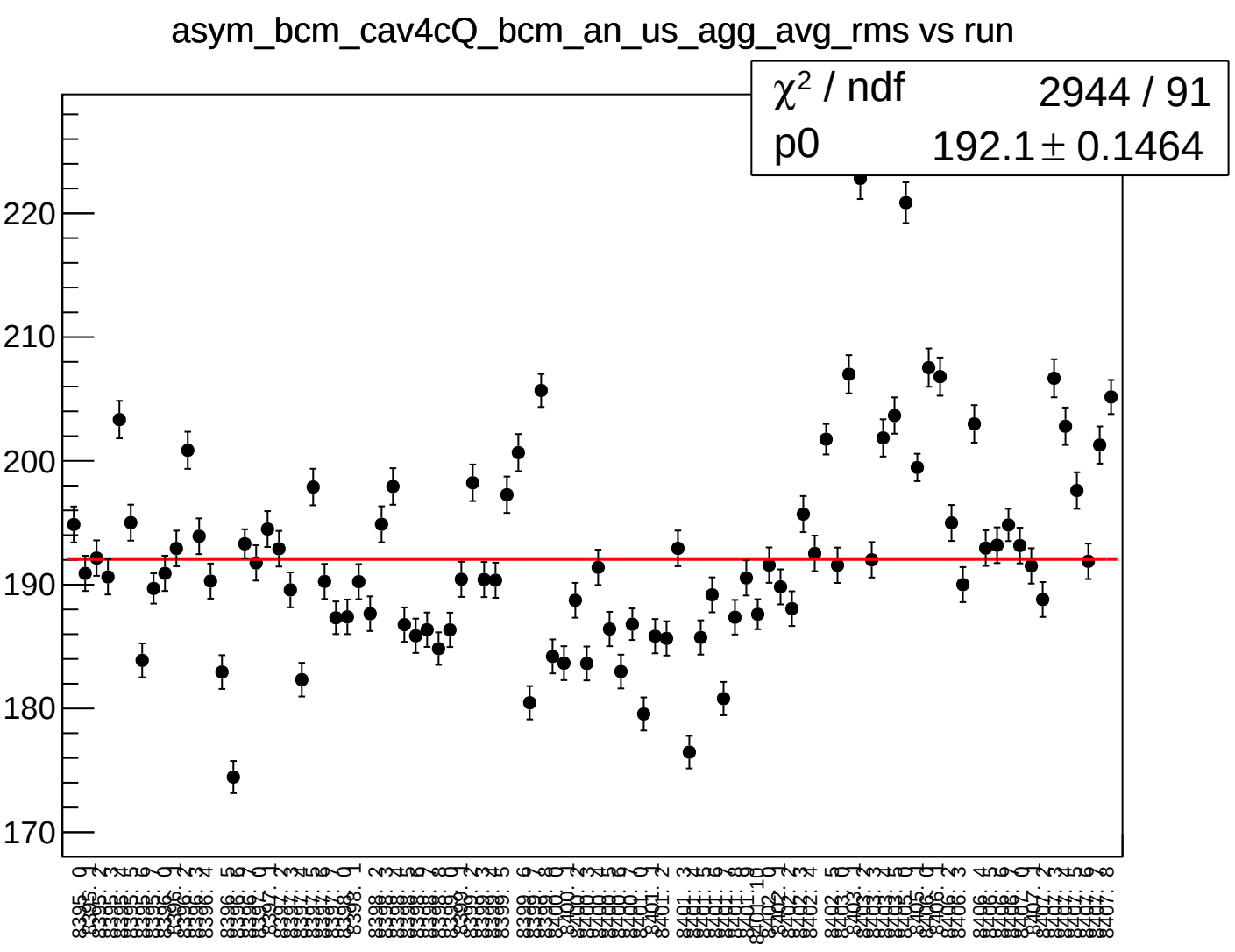

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2288 / 91
p0 188.3 ± 0.1435
210
200
190
180
170

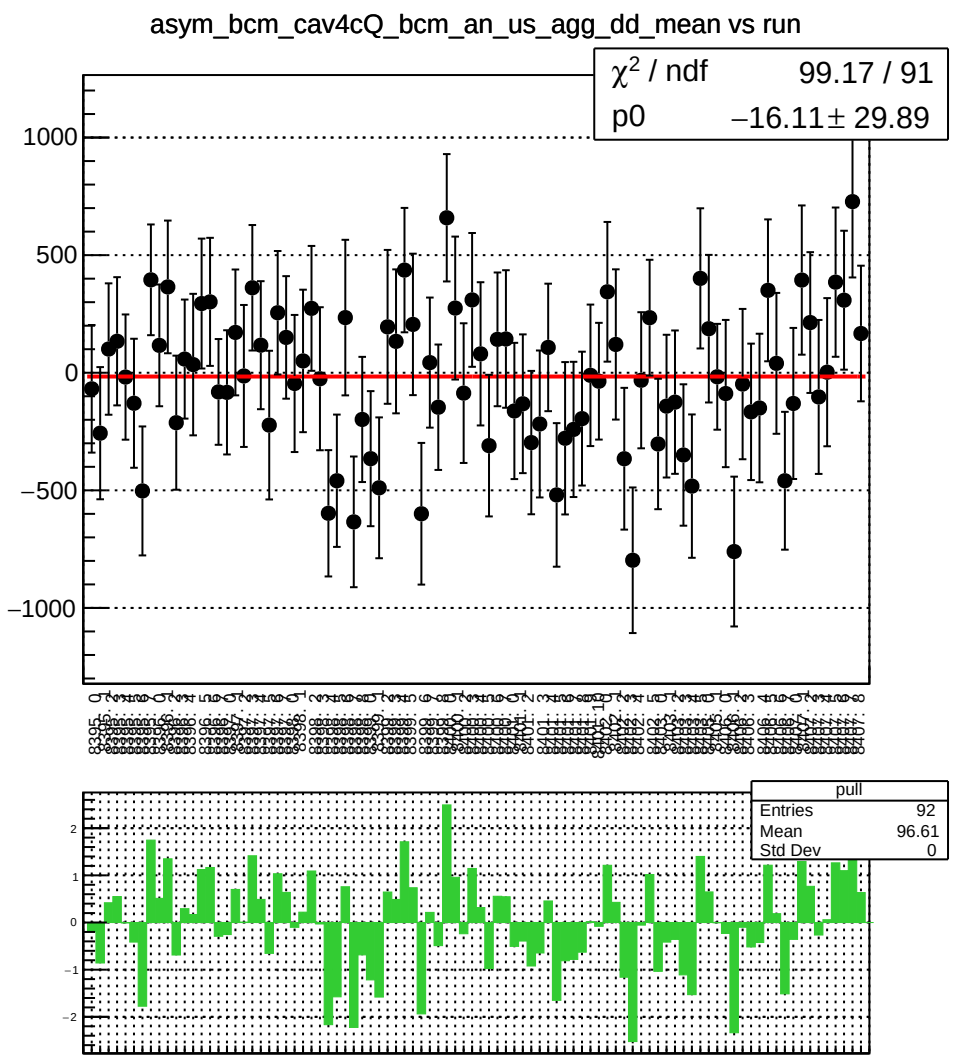

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 105.7 / 91
p0 10.59 ± 25.06
1000
500
0
−500
−1000
pull
Entries 92
Mean −488.5
Std Dev 0
2
1
0
−1
−2

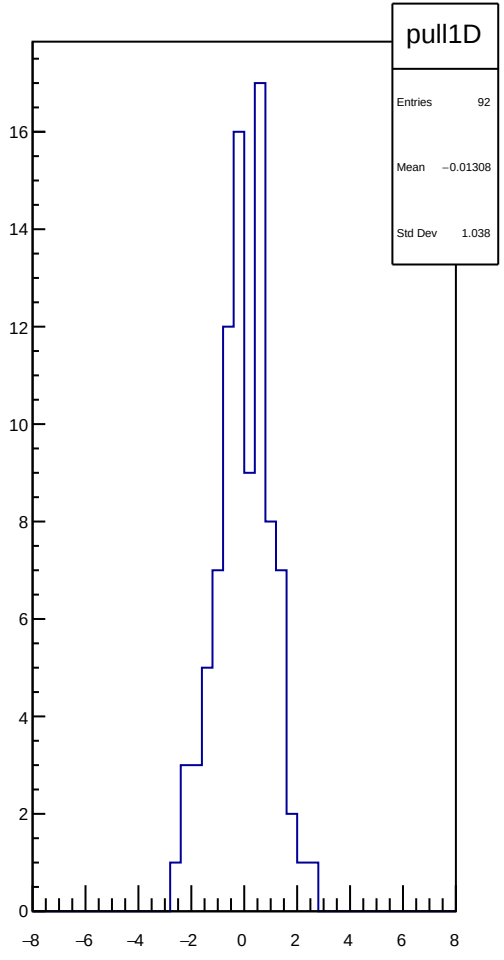

pull1D
Entries 92
Mean 0.006667
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

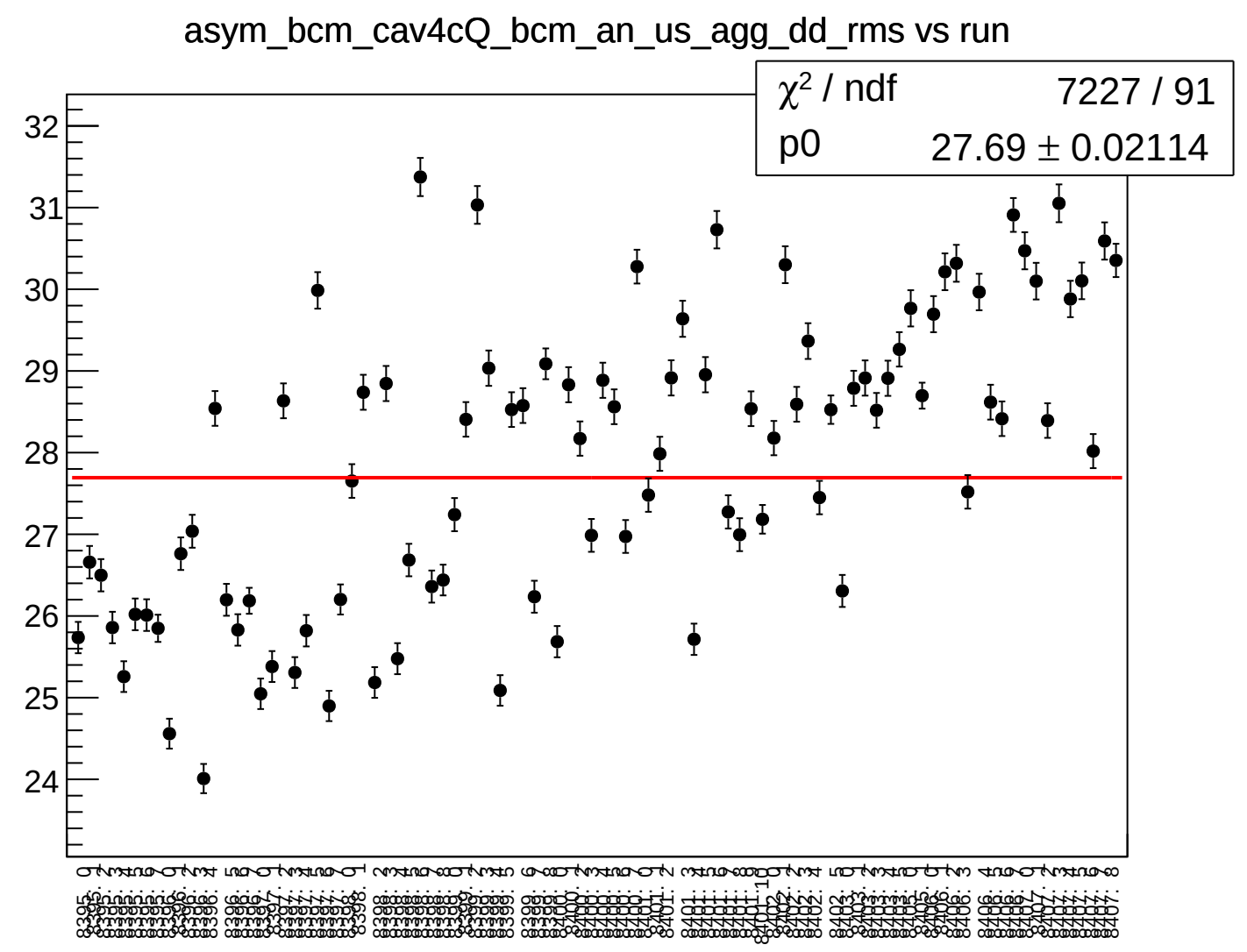

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3463 / 91
p0 23.24 ± 0.01772
26
25
24
23
22
21
20

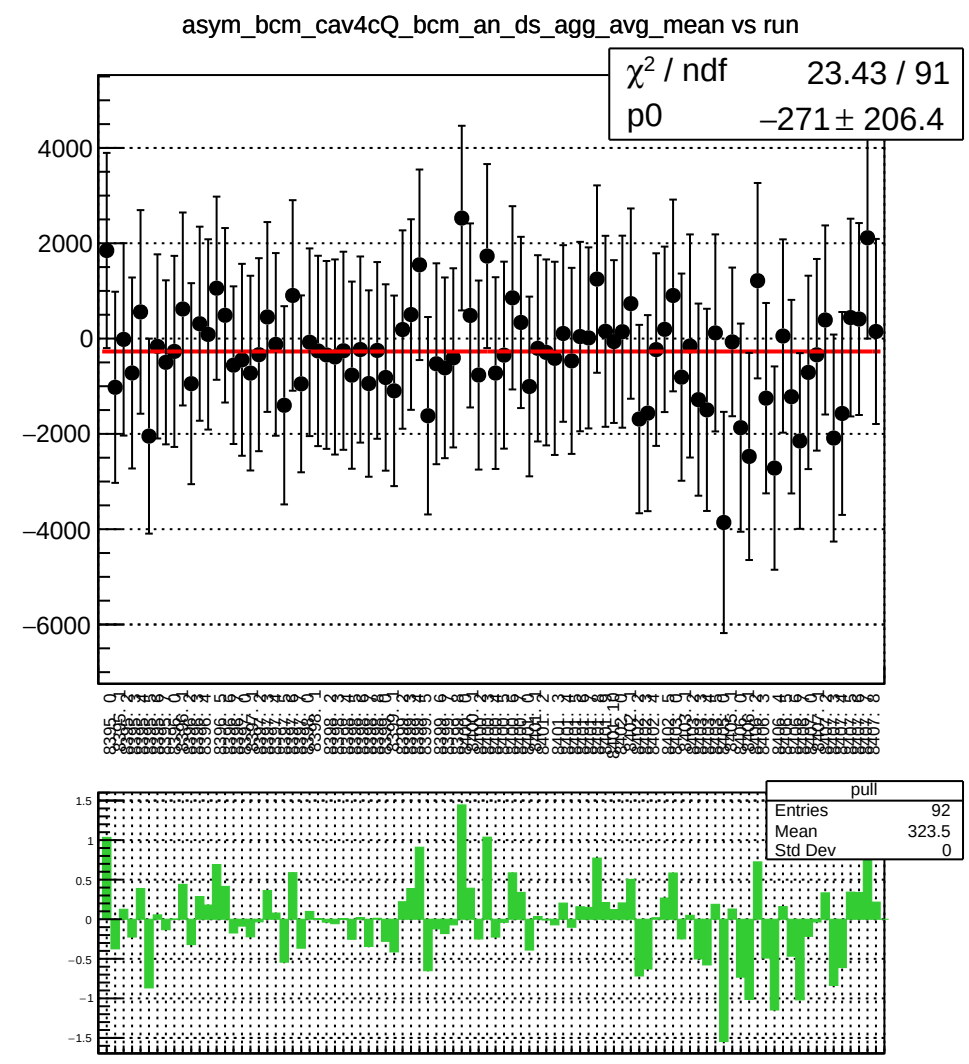

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 22.36 / 91
p0 −253.8 ± 207.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 384.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.006794
Std Dev 0.4929
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

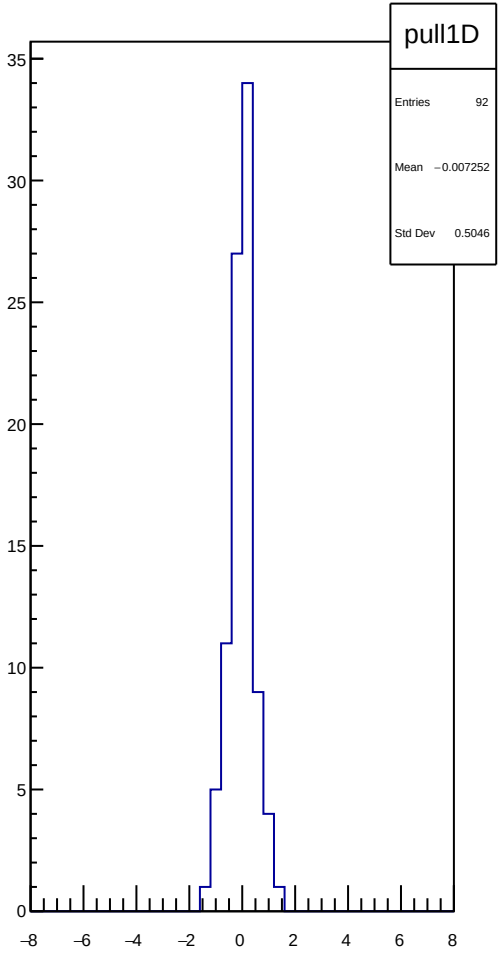

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2944 / 91
p0 192.1 ± 0.1464
220
210
200
190
180
170

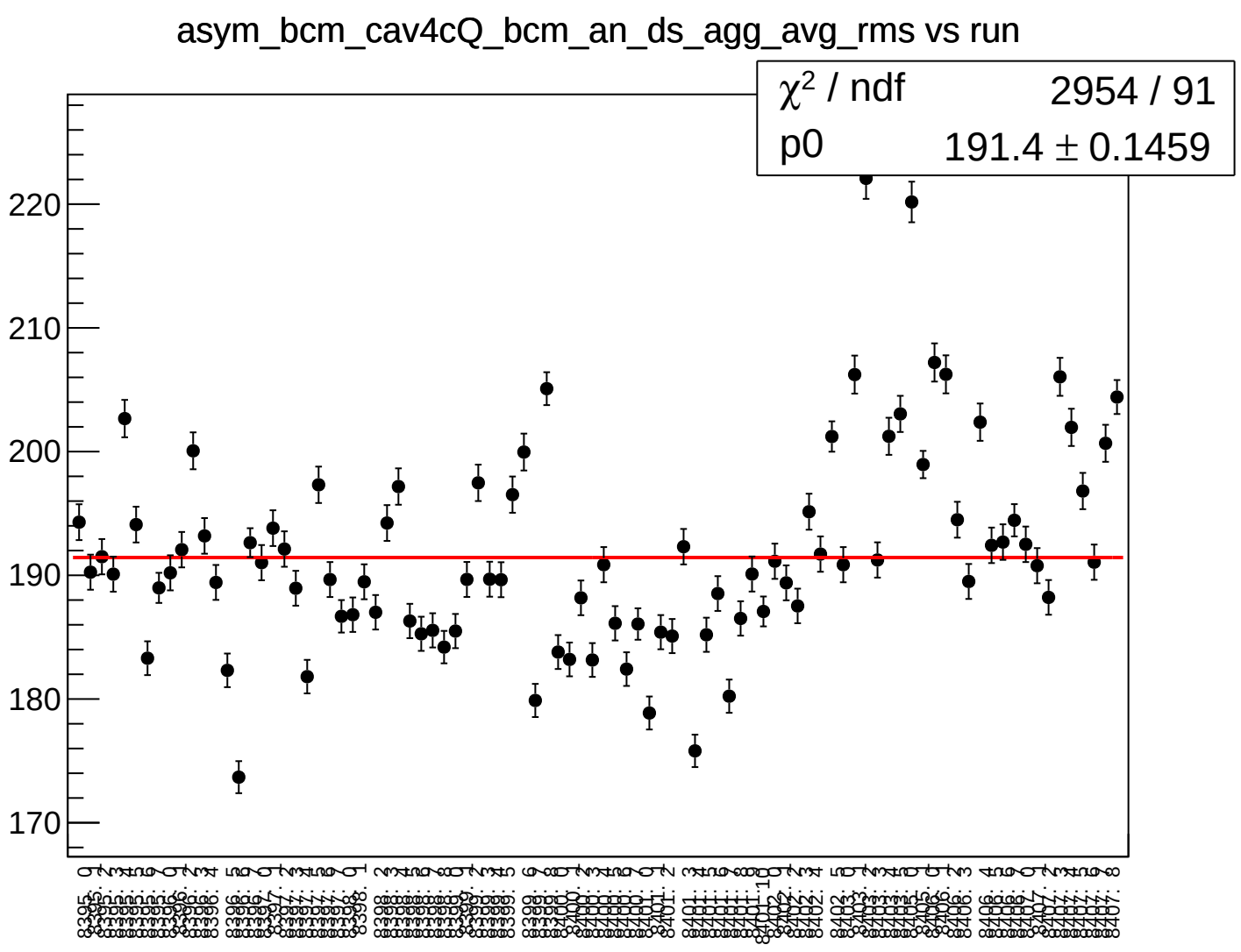

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 99.17 / 91
p0 −16.11± 29.89
1000
500
0
−500
−1000
pull
Entries 92
Mean 96.61
Std Dev 0
2
1
0
−1
−2

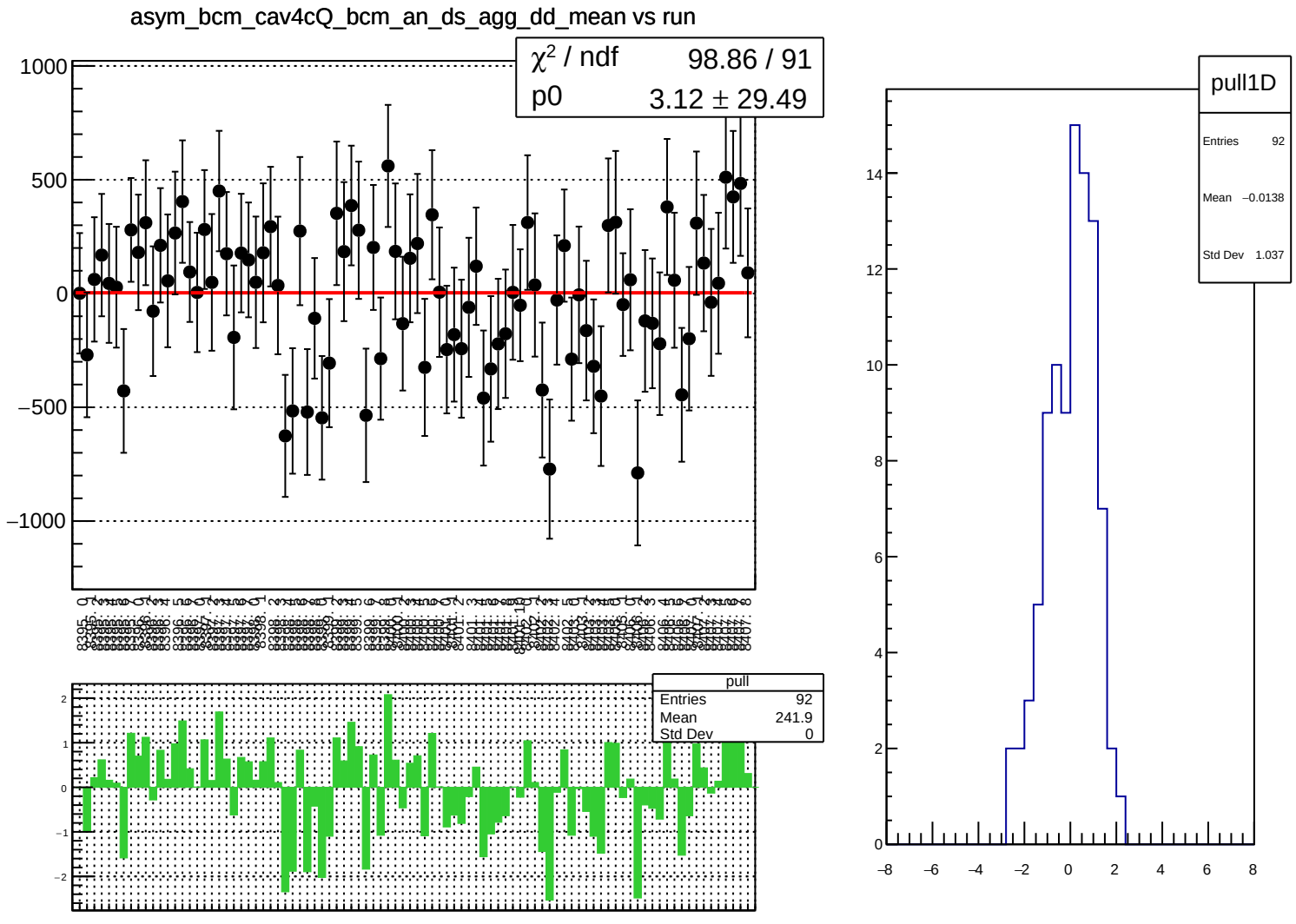

pull1D
Entries 92
Mean −0.01308
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

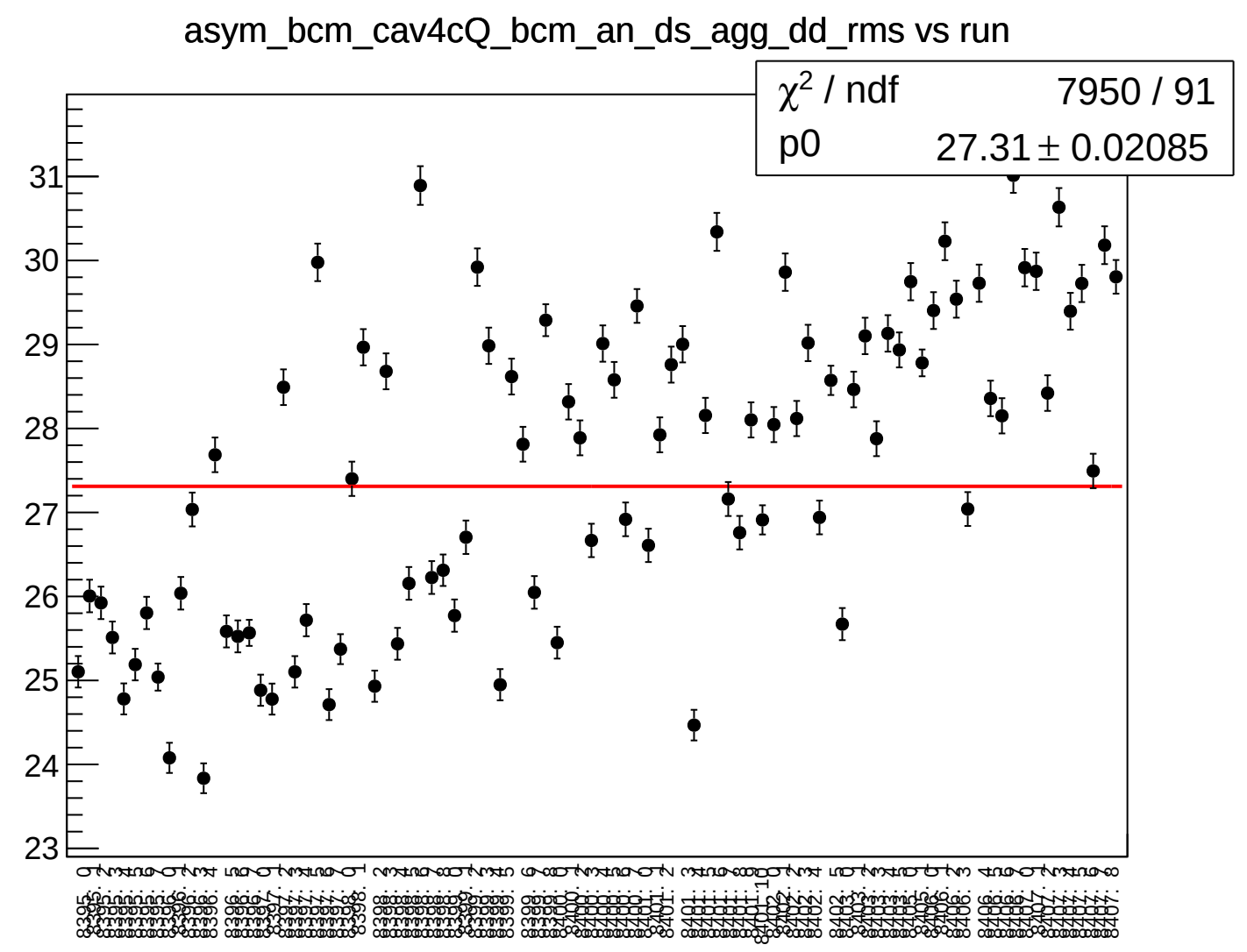

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 7227 / 91
p0 27.69 ± 0.02114
32
31
30
29
28
27
26
25
24

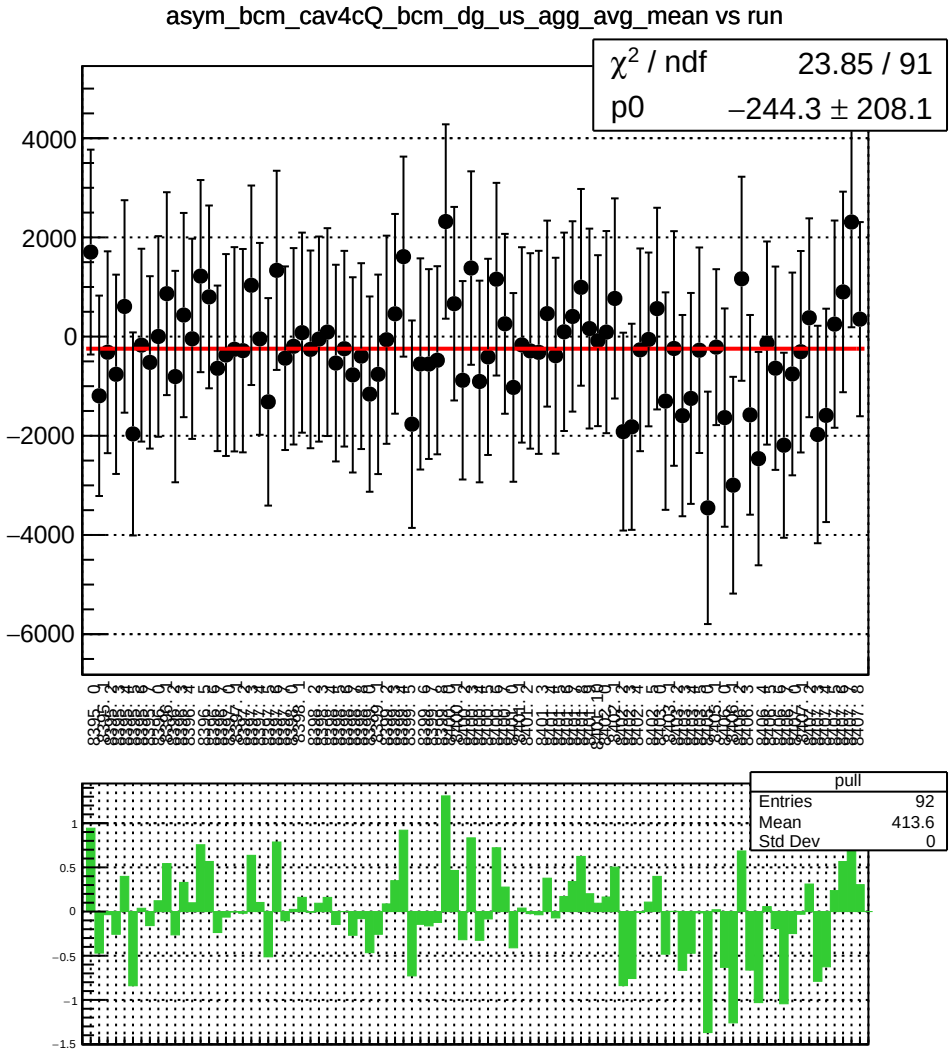

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 23.43 / 91
p0 −271 ± 206.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 323.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

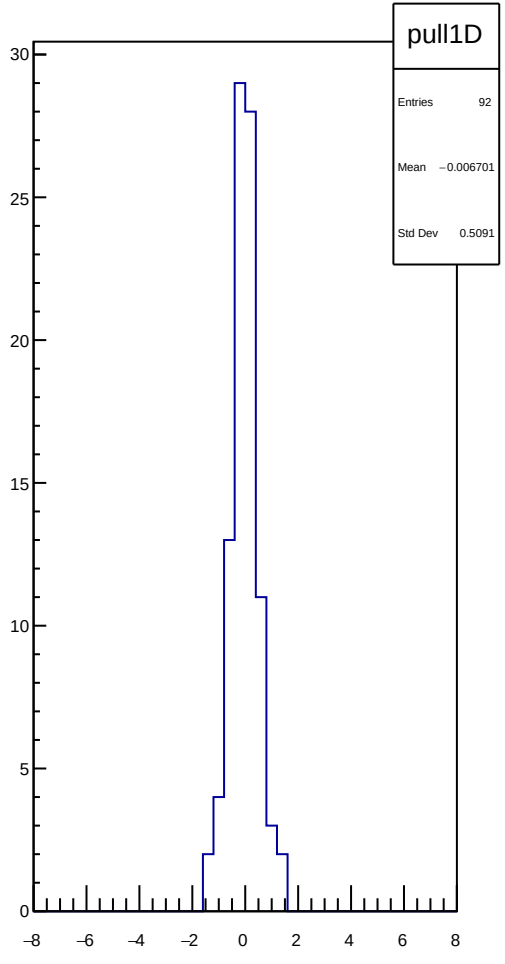

pull1D
Entries 92
Mean −0.007252
Std Dev 0.5046
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

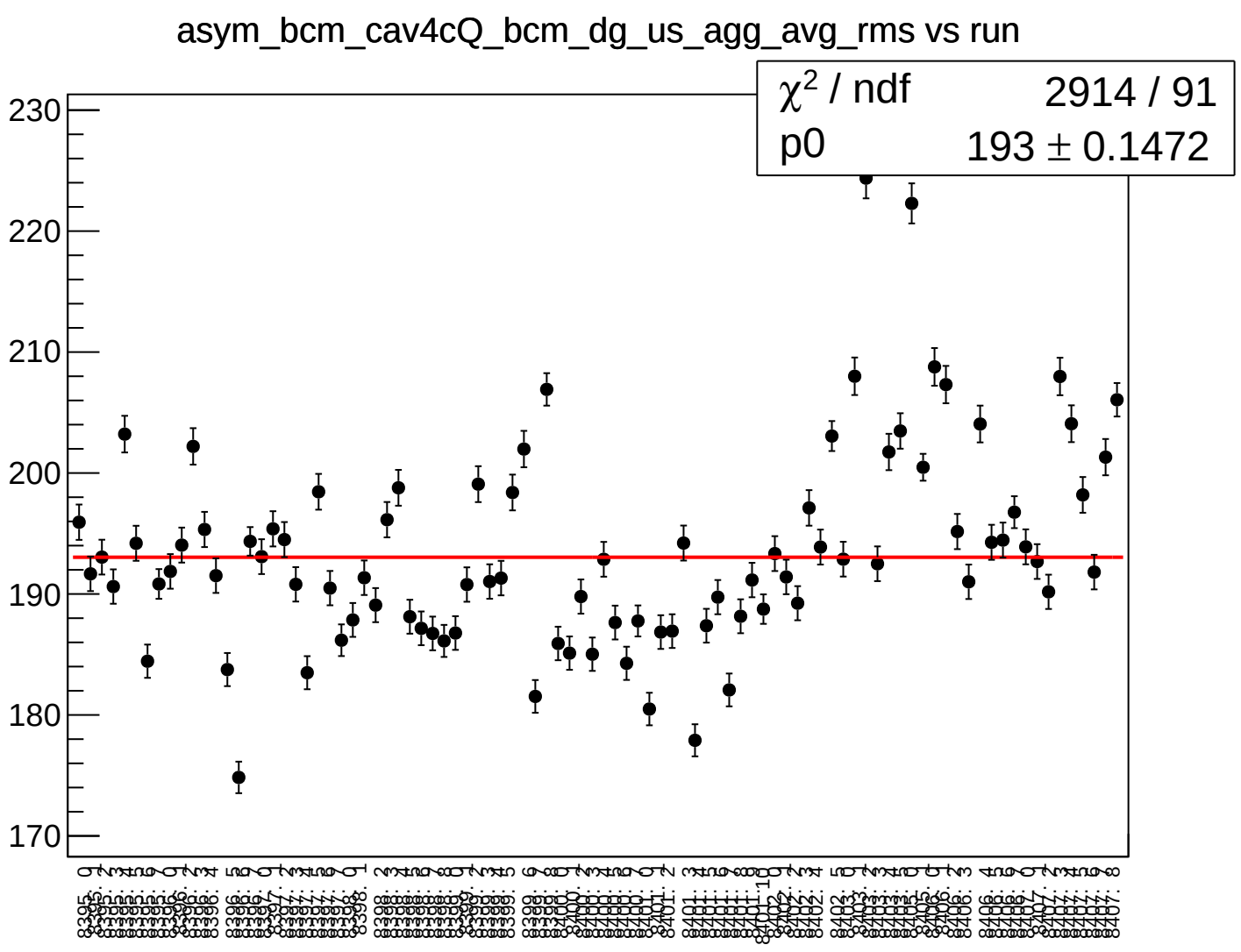

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2954 / 91
p0 191.4 ± 0.1459
220
210
200
190
180
170

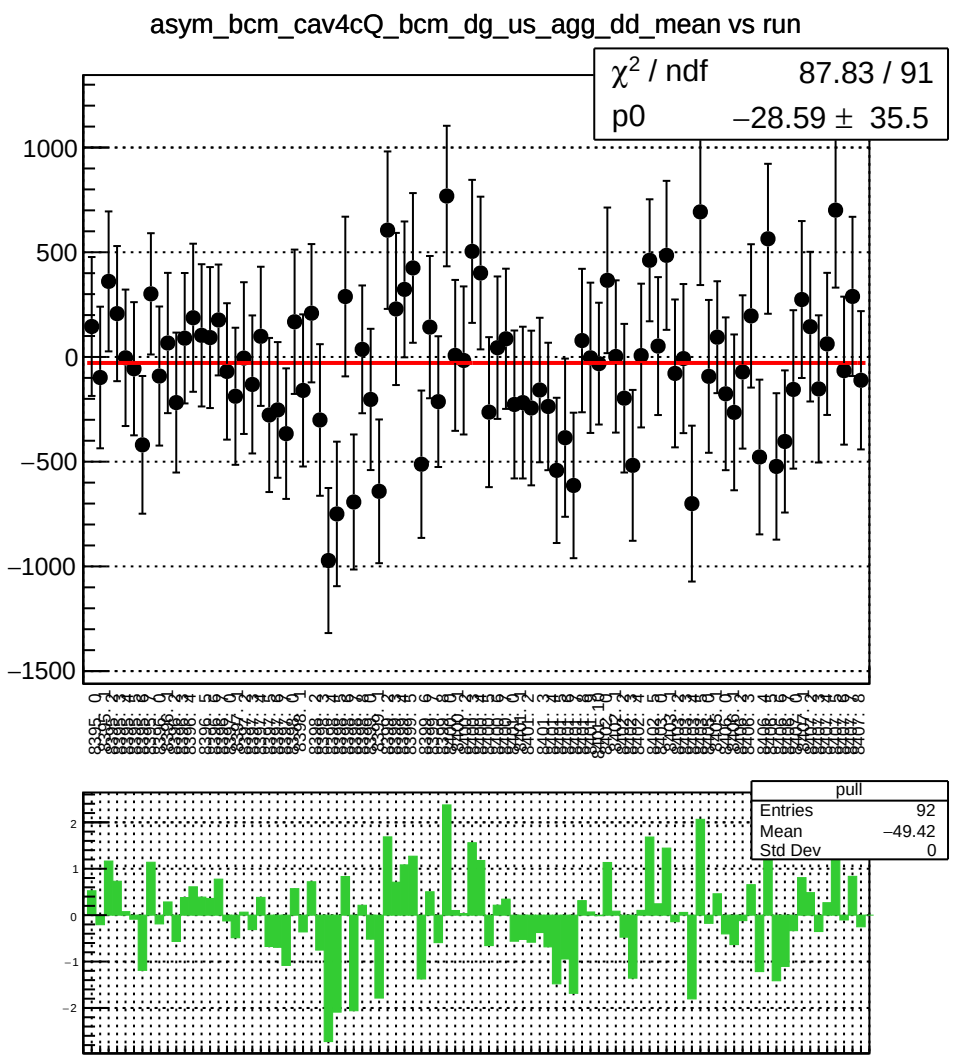

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 98.86 / 91
p0 3.12 ± 29.49
1000
500
0
−500
−1000
pull
Entries 92
Mean 241.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.0138
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

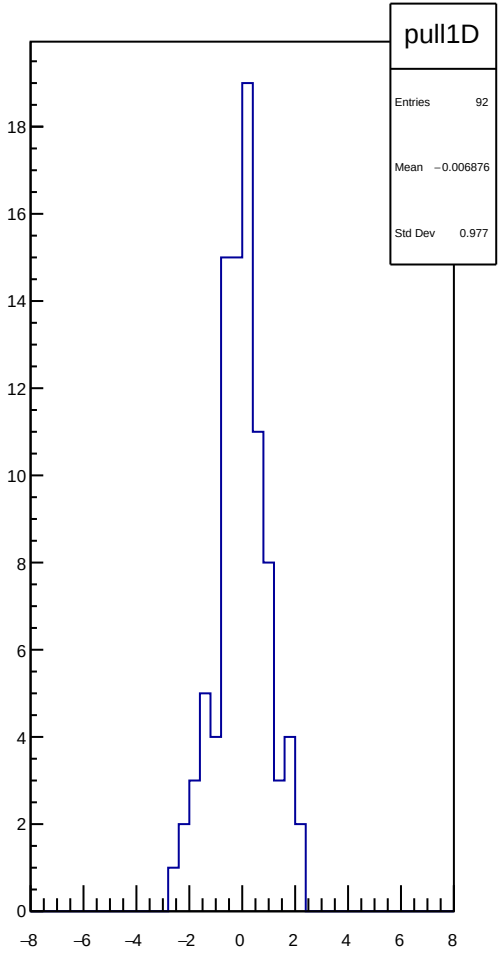

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 7950 / 91
p0 27.31 ± 0.02085
31
30
29
28
27
26
25
24
23

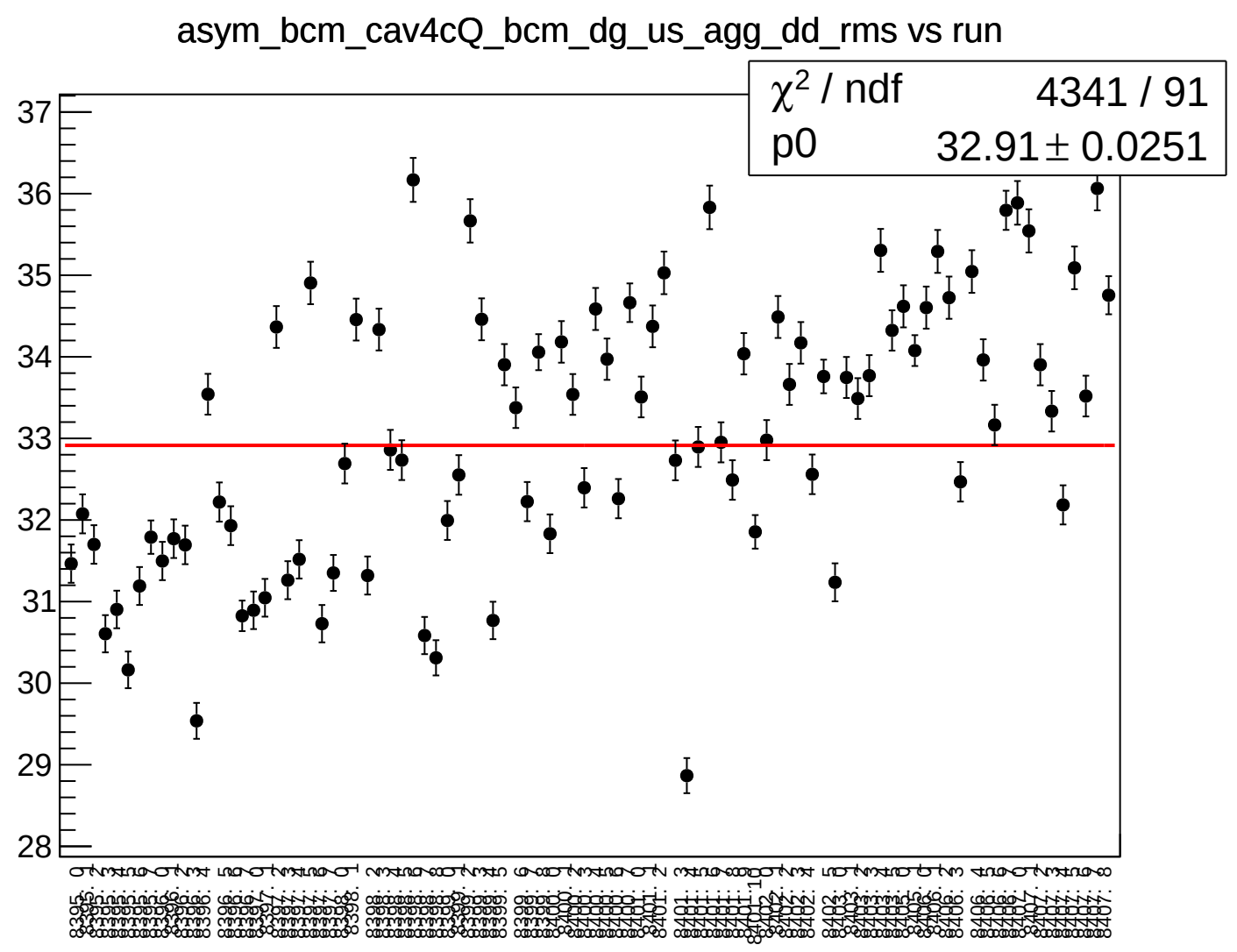

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 23.85 / 91
p0 −244.3 ± 208.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 413.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

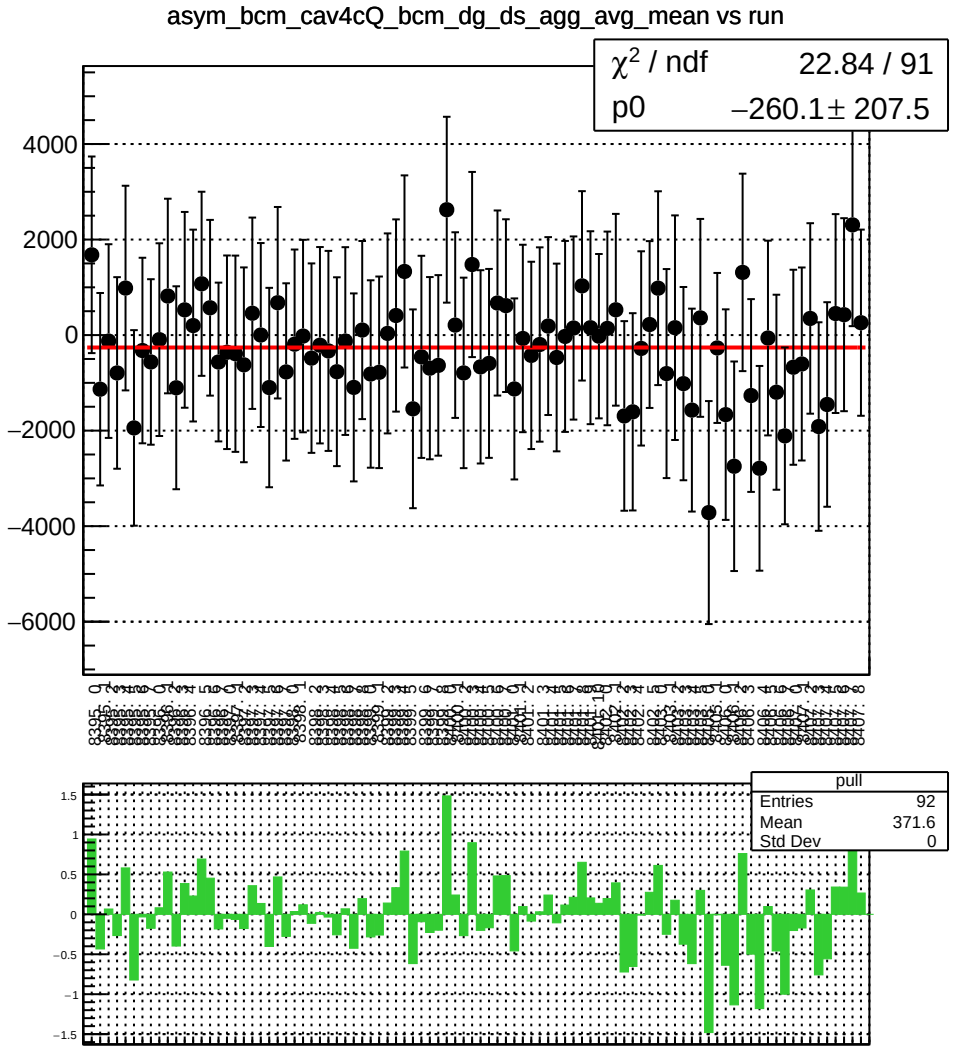

pull1D
Entries 92
Mean −0.006701
Std Dev 0.5091
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

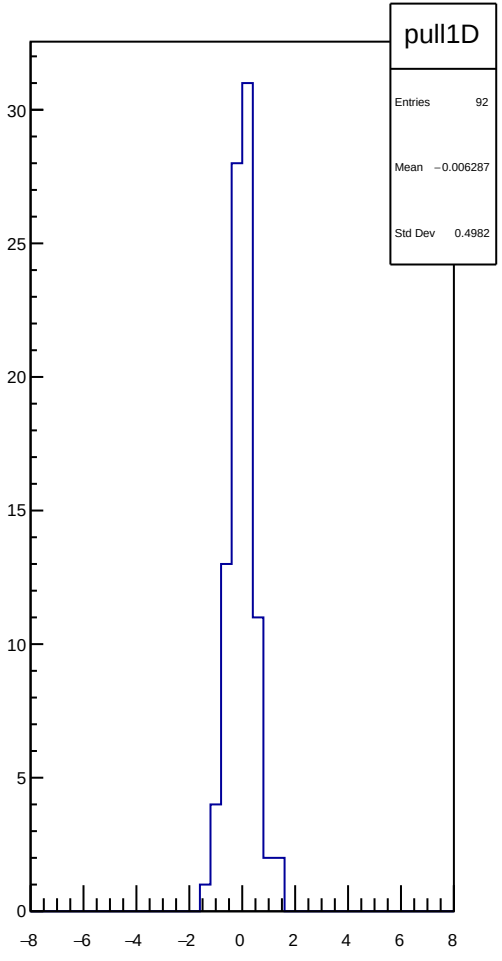

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 2914 / 91
p0 193 ± 0.1472
230
220
210
200
190
180
170

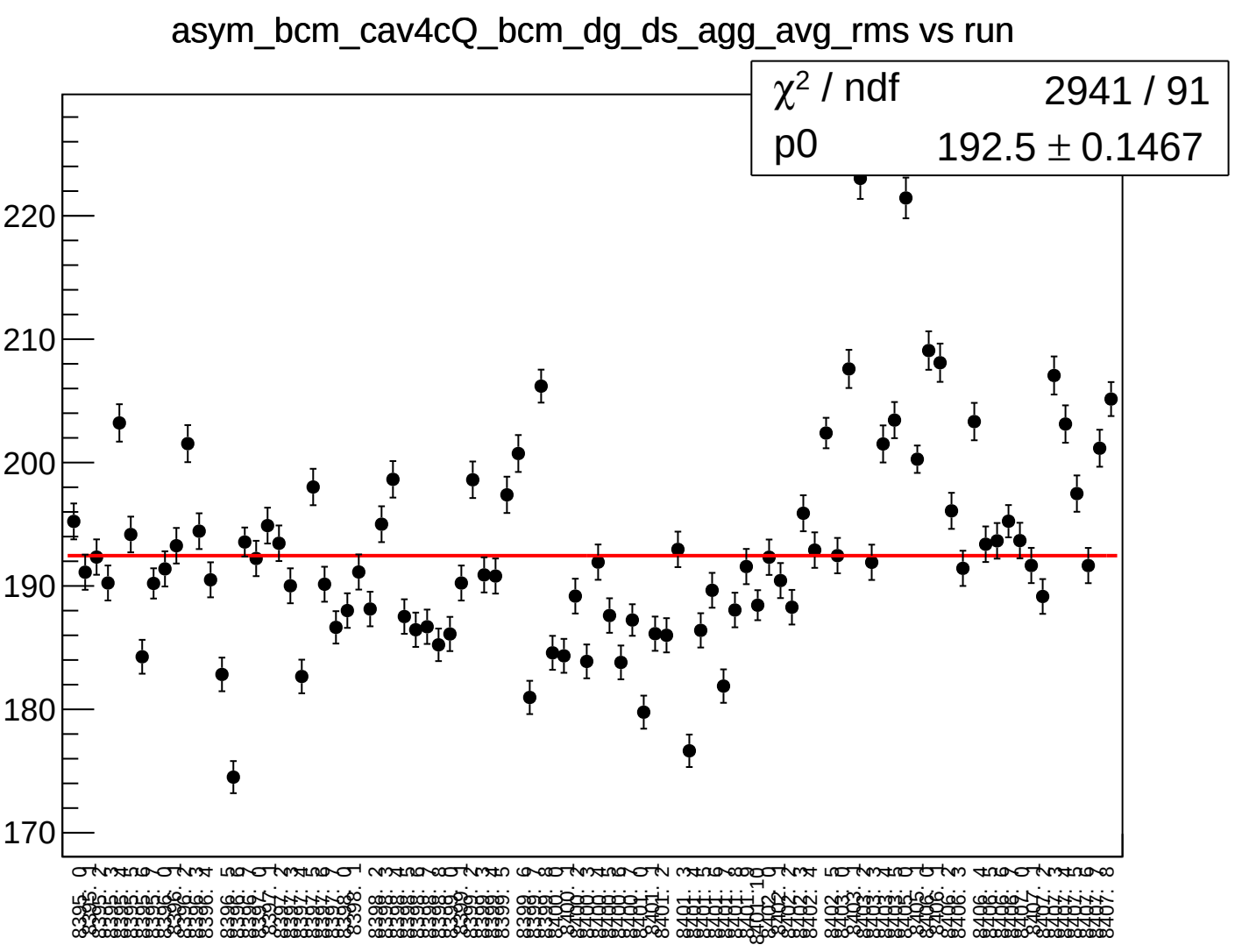

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 87.83 / 91
p0 −28.59 ± 35.5
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean −49.42
Std Dev 0
2
1
0
−1
−2

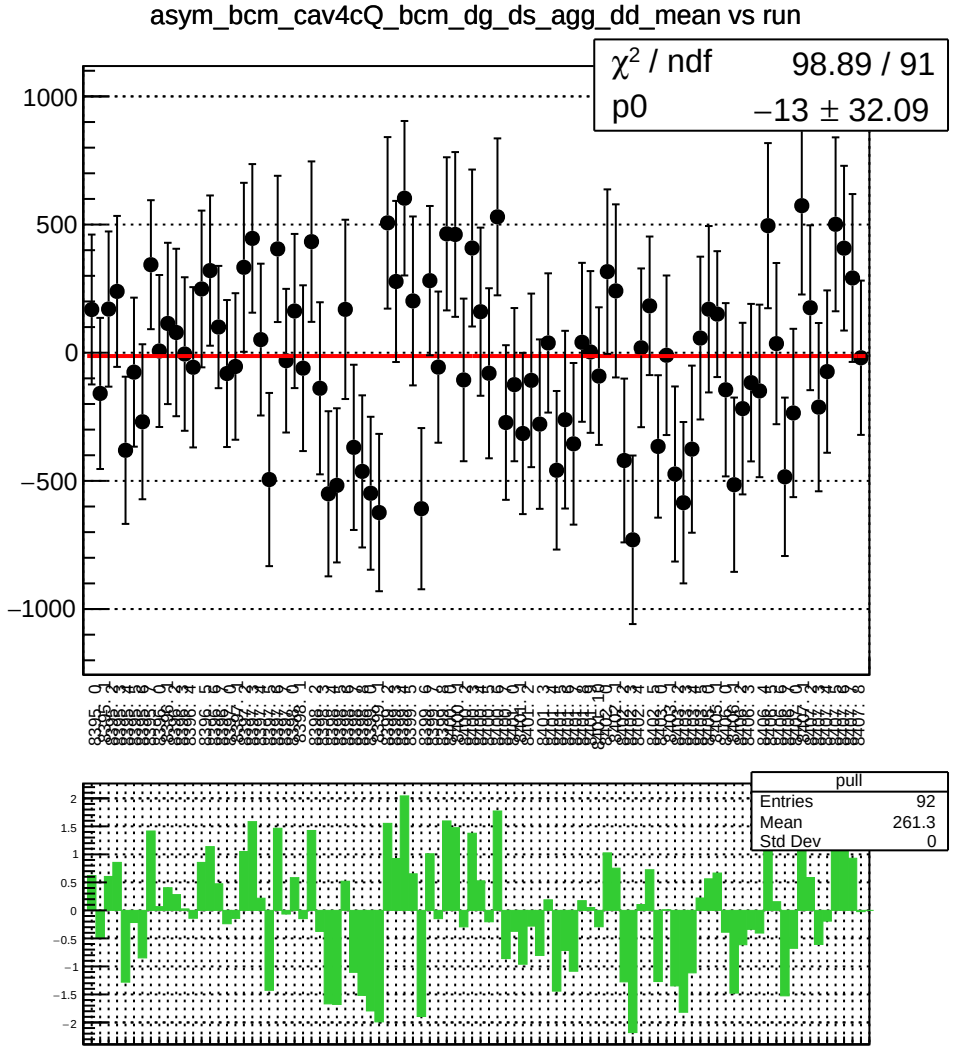

pull1D
Entries 92
Mean −0.006876
Std Dev 0.977
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

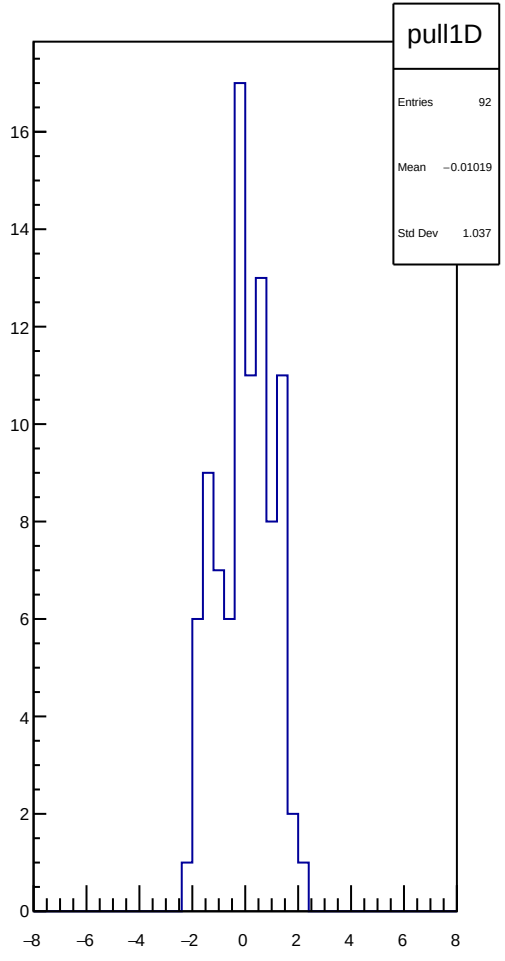

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 4341 / 91
p0 32.91 ± 0.0251
37
36
35
34
33
32
31
30
29
28

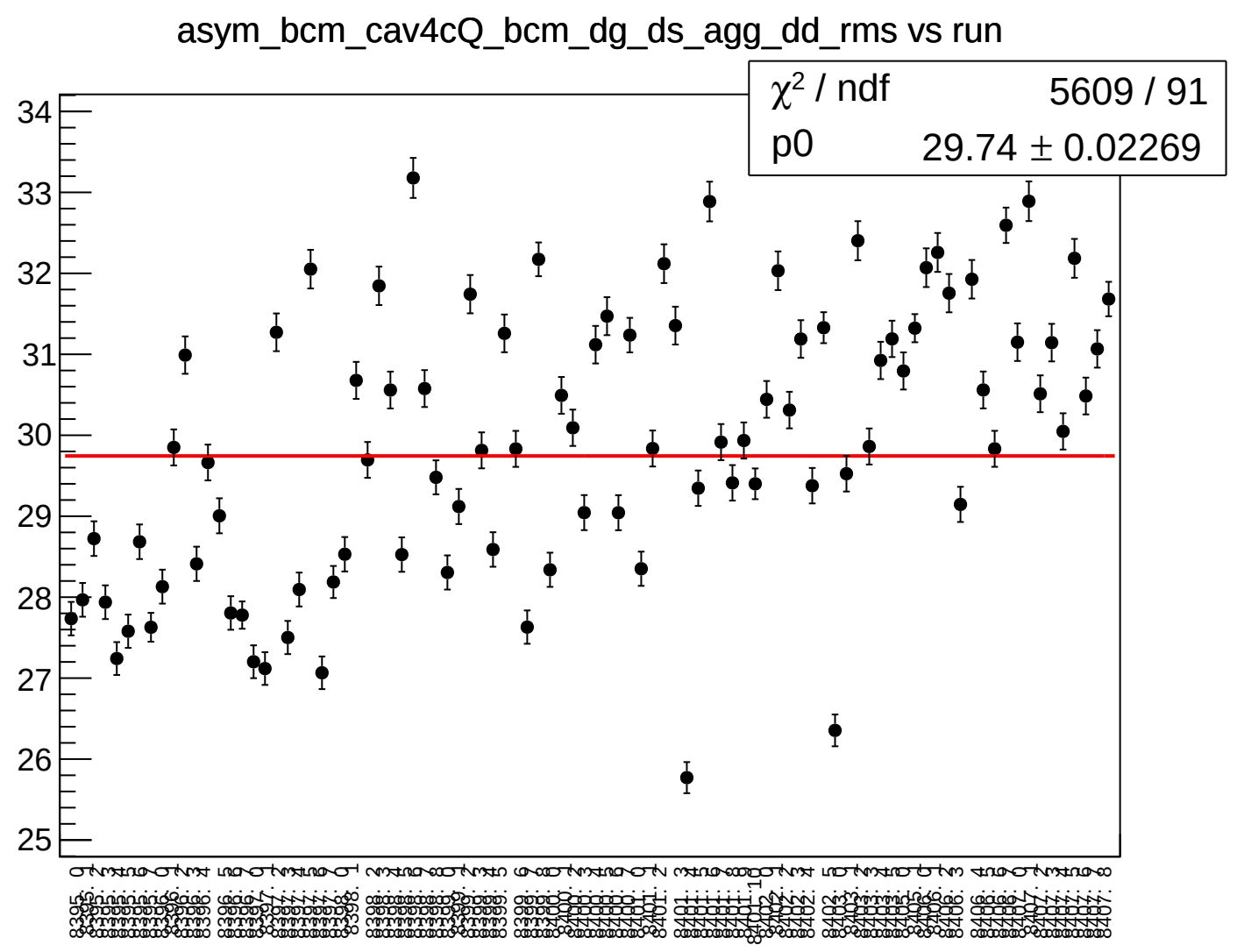

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 22.84 / 91
p0 −260.1± 207.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 371.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

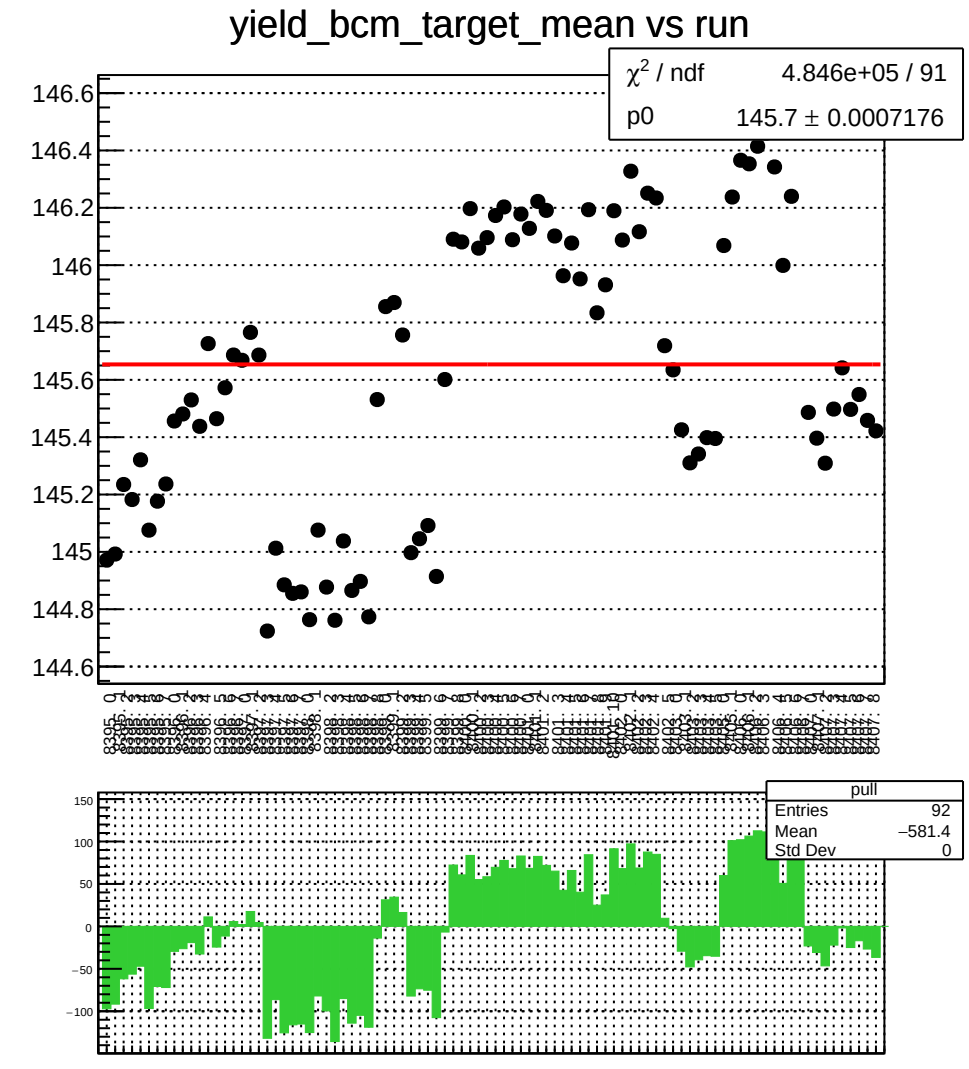

pull1D
Entries 92
Mean −0.006287
Std Dev 0.4982
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

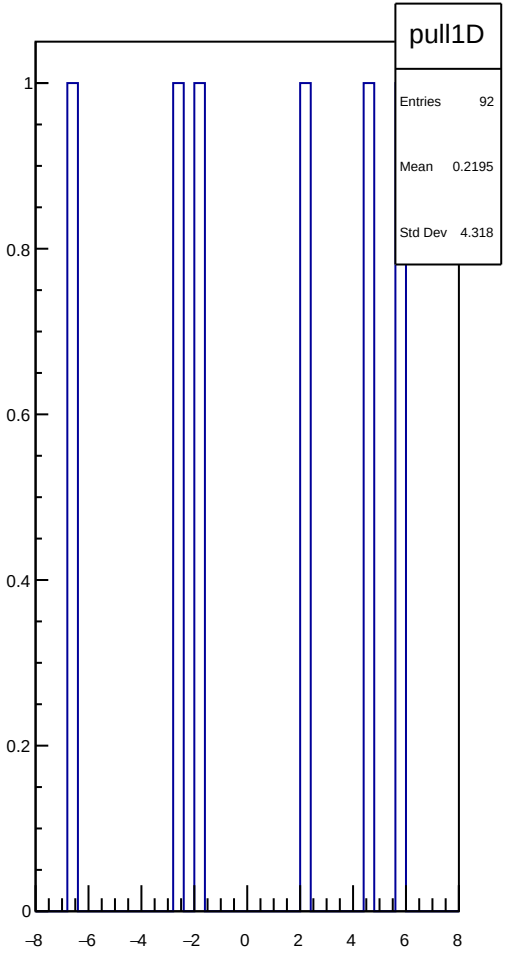

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2941 / 91
p0 192.5 ± 0.1467
220
210
200
190
180
170

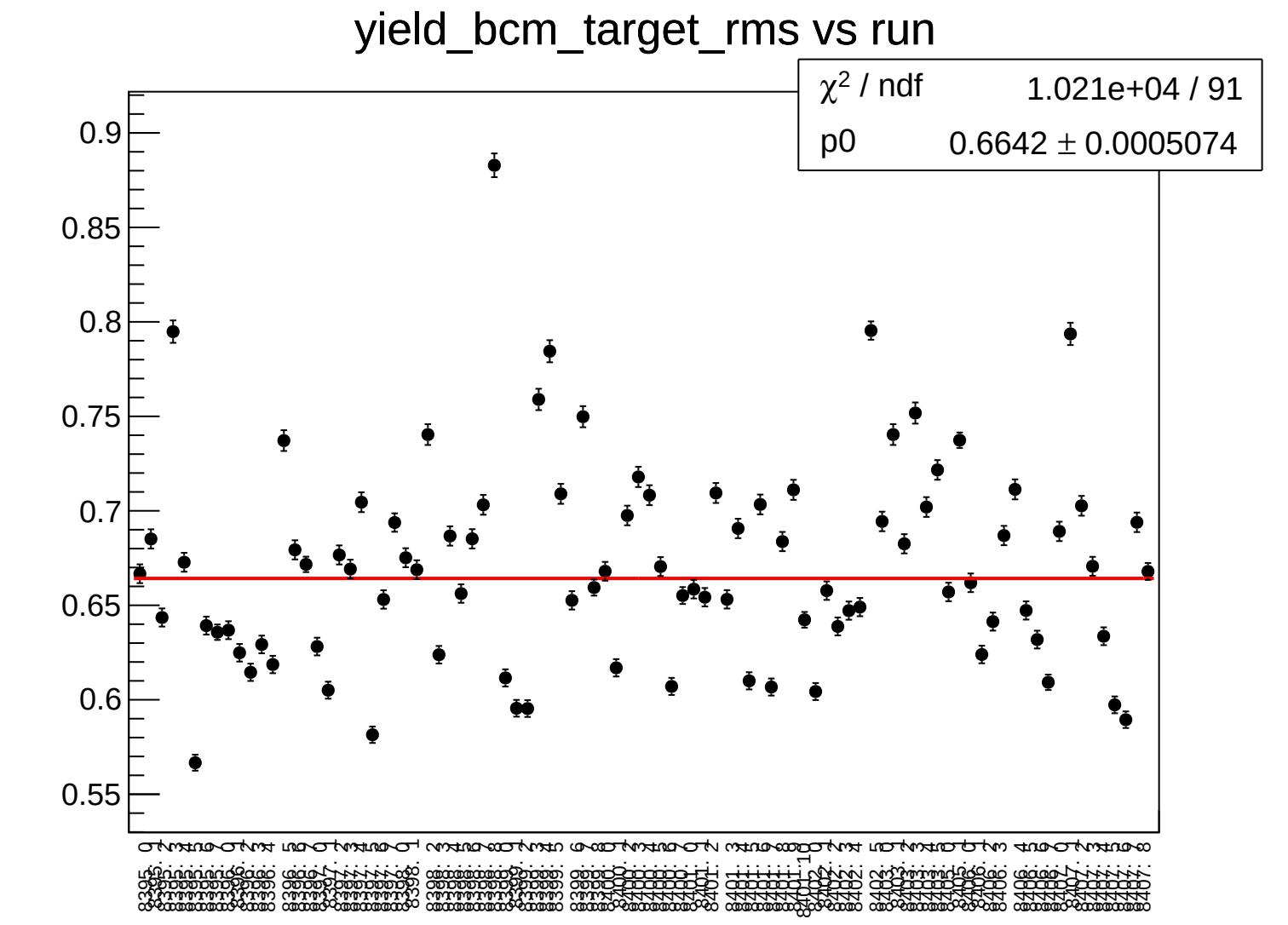

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 98.89 / 91
p0 −13 ± 32.09
1000
500
0
−500
−1000
pull
Entries 92
Mean 261.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

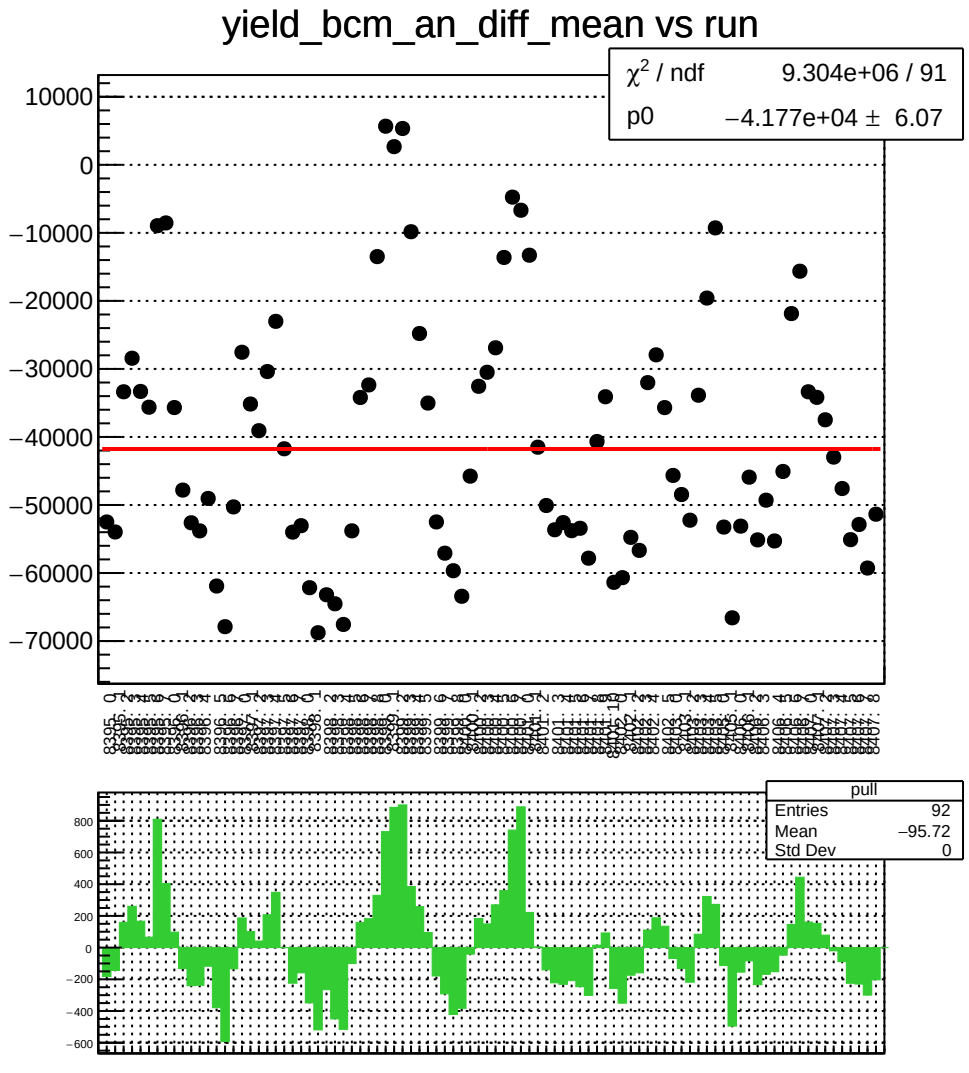

pull1D
Entries 92
Mean −0.01019
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

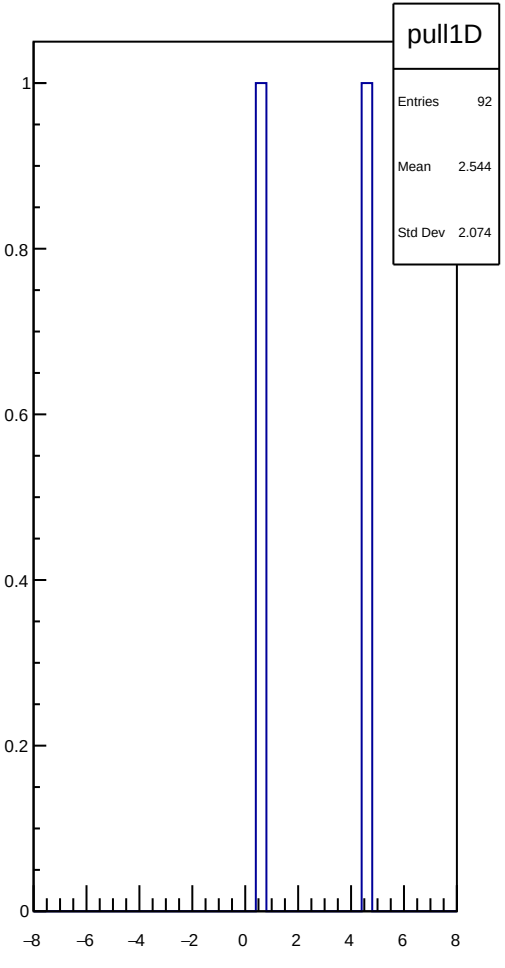

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 5609 / 91
p0 29.74 ± 0.02269
34
33
32
31
30
29
28
27
26
25

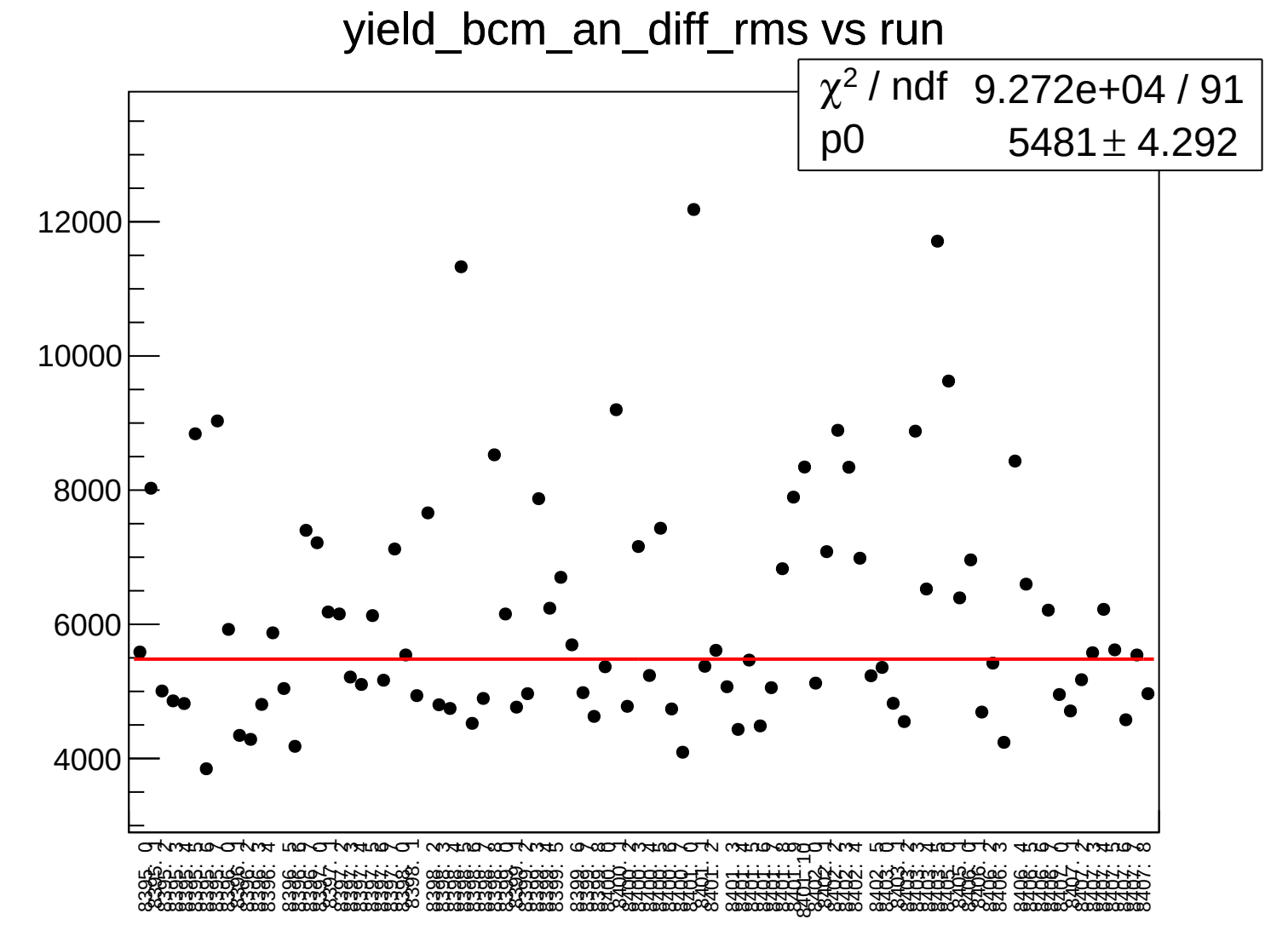

yield_bcm_target_mean vs run
χ² / ndf 4.846e+05 / 91
p0 145.7 ± 0.0007176
146.6
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 92
Mean −581.4
Std Dev 0
150
100
50
0
−50
−100

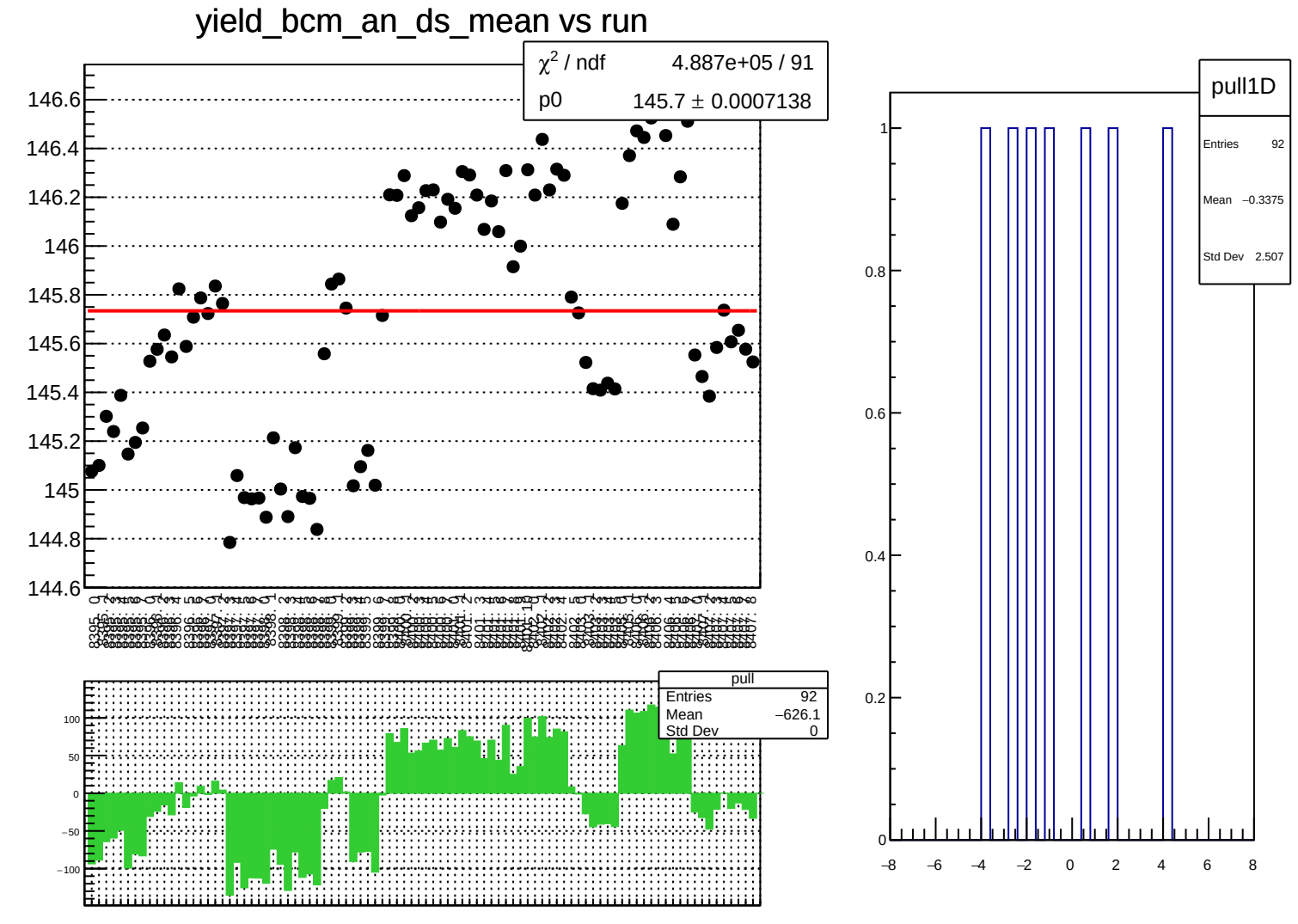

pull1D
Entries 92
Mean 0.2195
Std Dev 4.318
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

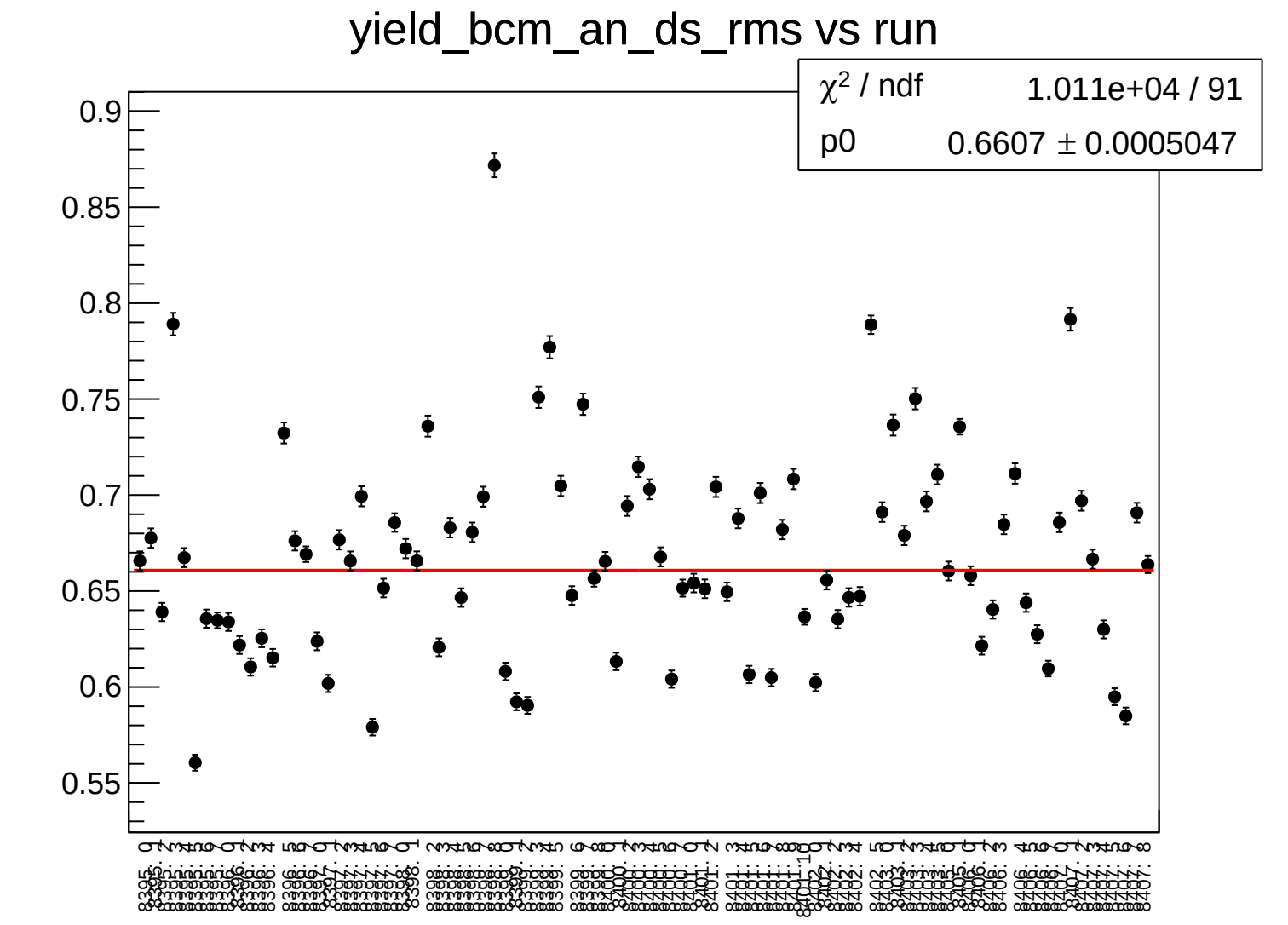

yield_bcm_target_rms vs run
χ² / ndf 1.021e+04 / 91
p0 0.6642 ± 0.0005074
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55

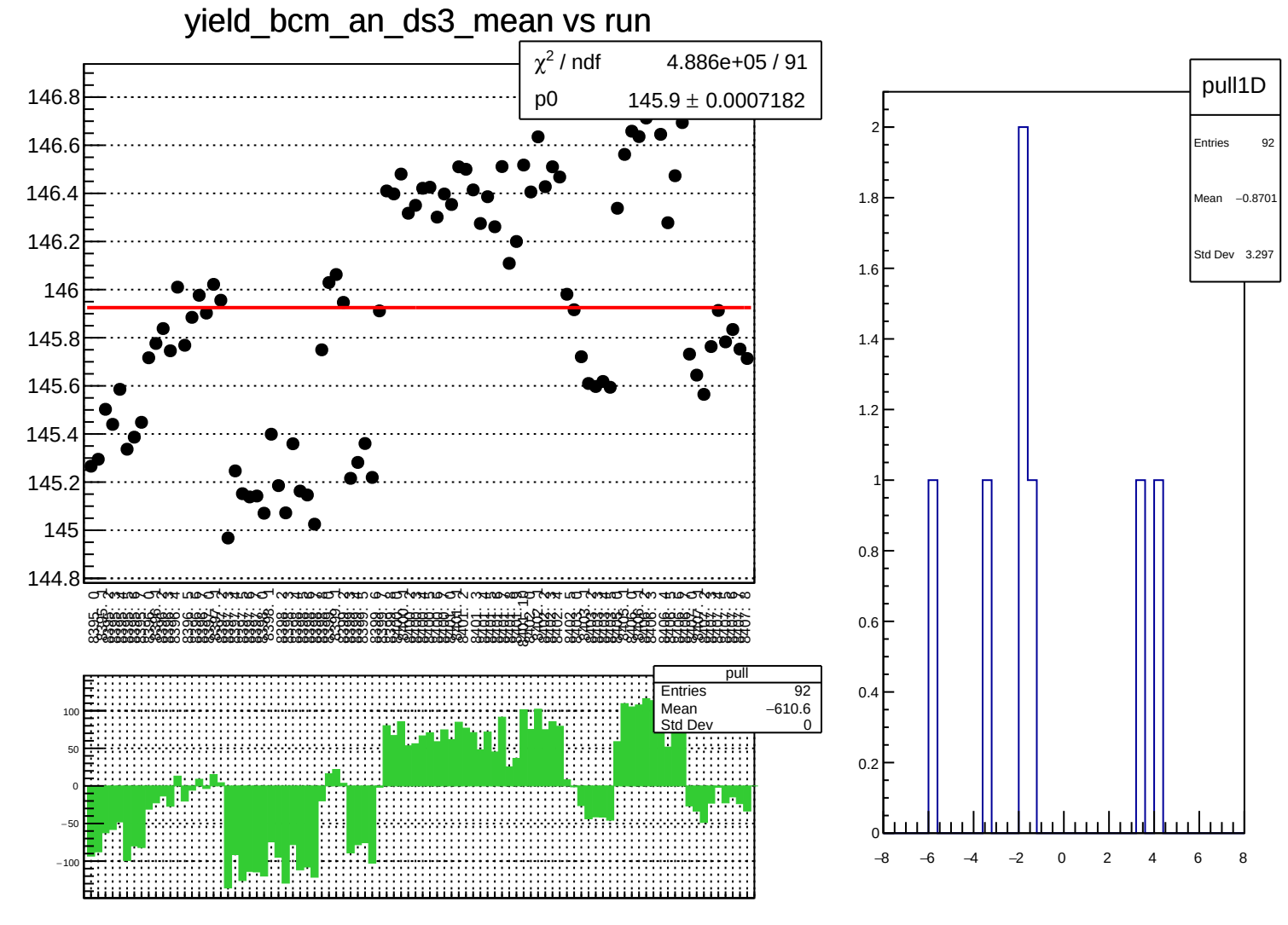

yield_bcm_an_diff_mean vs run
χ² / ndf 9.304e+06 / 91
p0 −4.177e+04 ± 6.07
pull
Entries 92
Mean −95.72
Std Dev 0

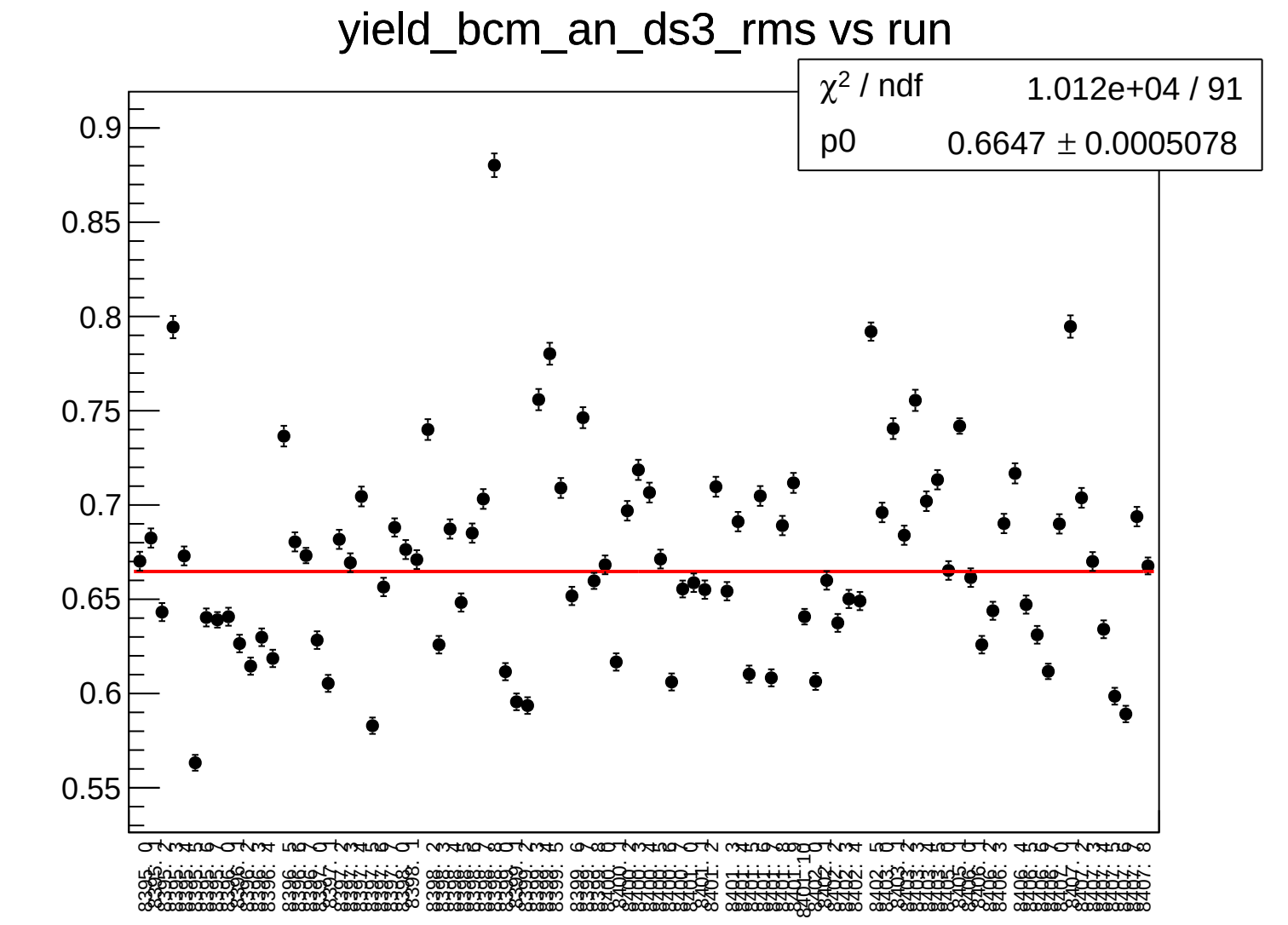

pull1D
Entries 92
Mean 2.544
Std Dev 2.074

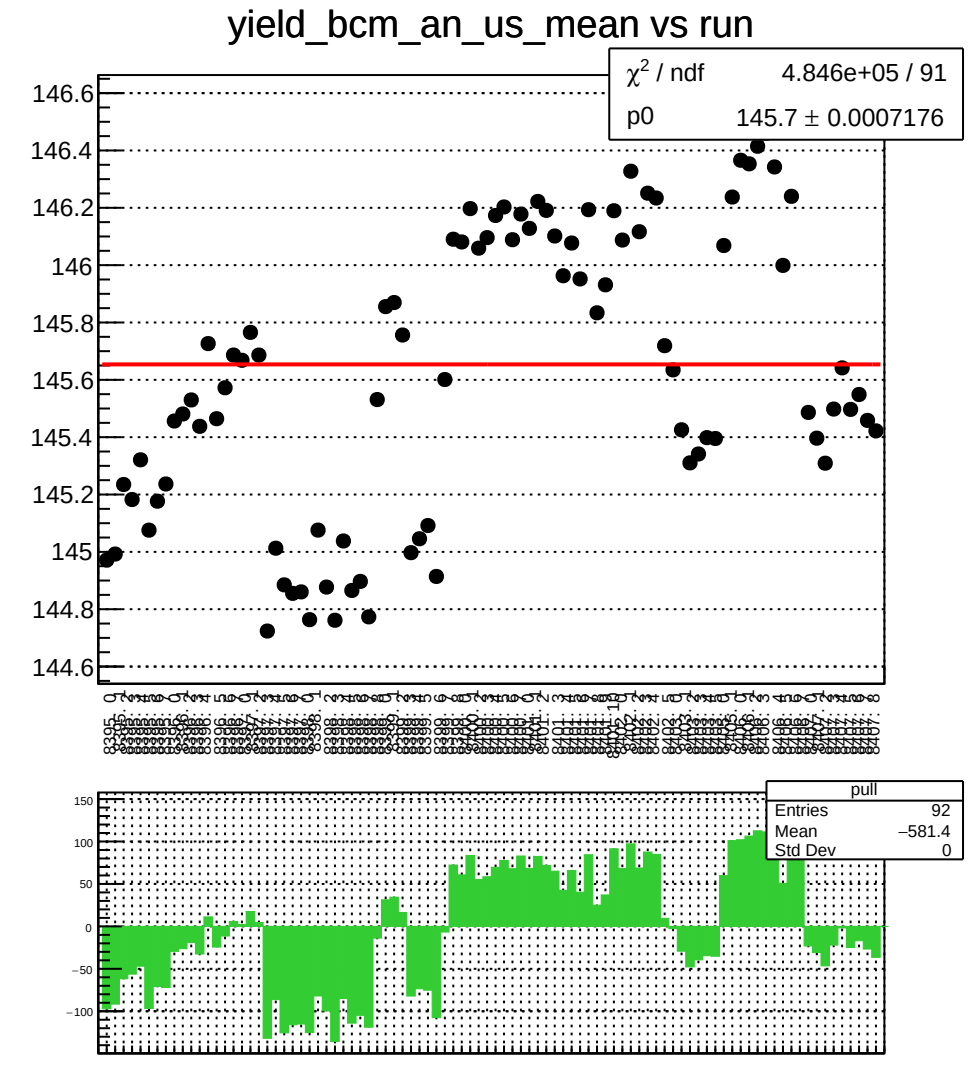

yield_bcm_an_diff_rms vs run
$\chi^2$ / ndf 9.272e+04 / 91
p0 5481 ± 4.292
12000
10000
8000
6000
4000

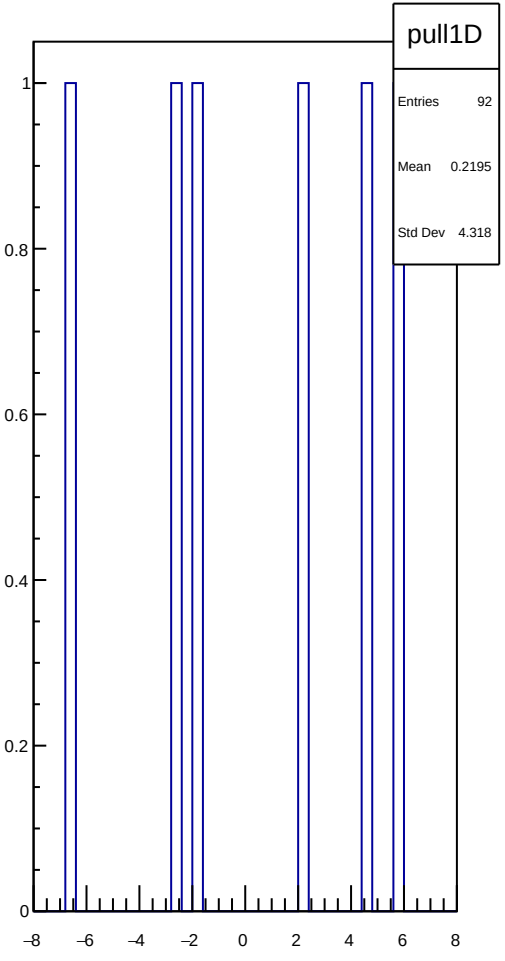

yield_bcm_an_ds_mean vs run
χ² / ndf 4.887e+05 / 91
p0 145.7 ± 0.0007138
146.6
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 92
Mean −626.1
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 92
Mean −0.3375
Std Dev 2.507
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

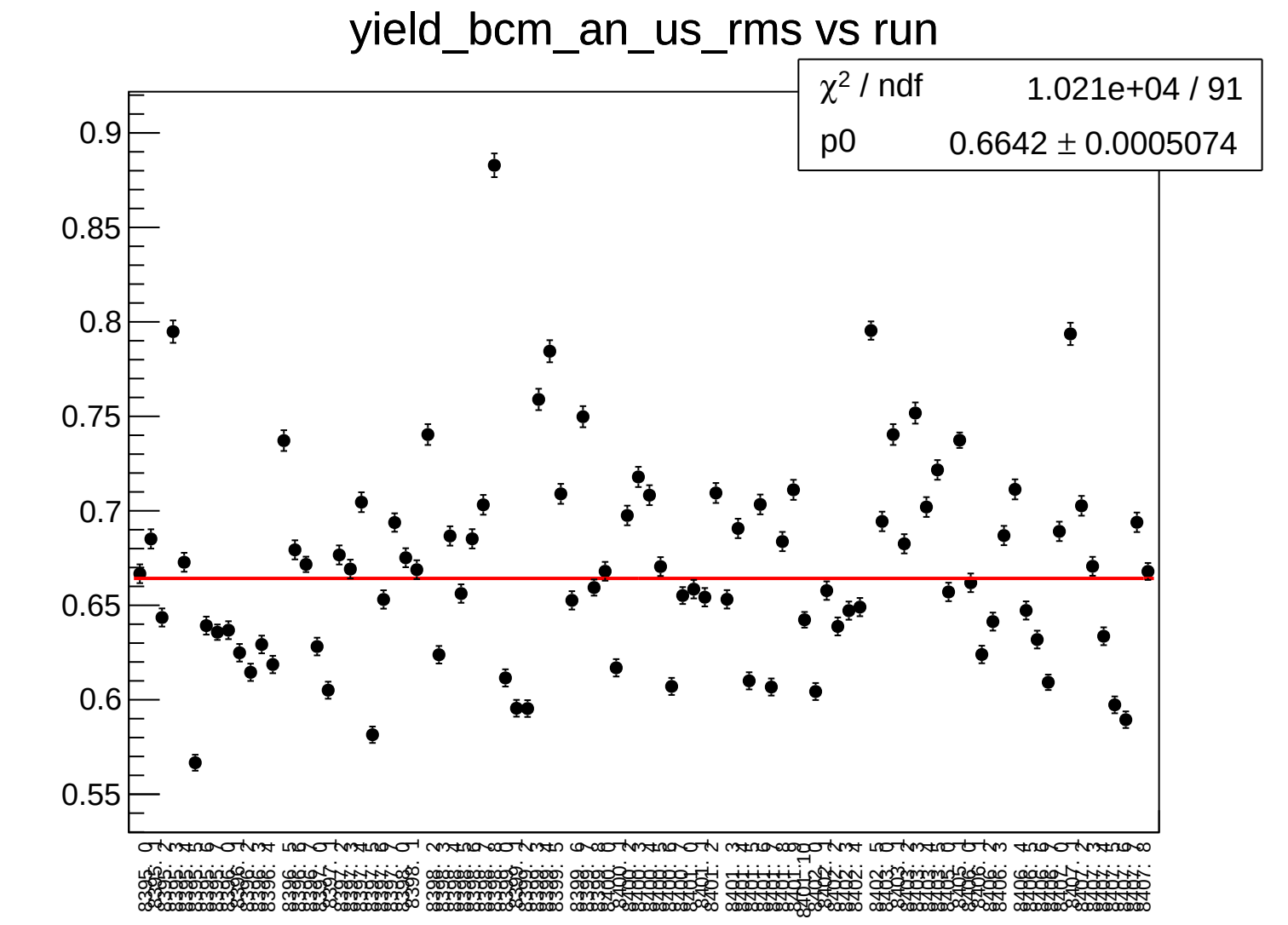

yield_bcm_an_ds_rms vs run
χ² / ndf 1.011e+04 / 91
p0 0.6607 ± 0.0005047
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55

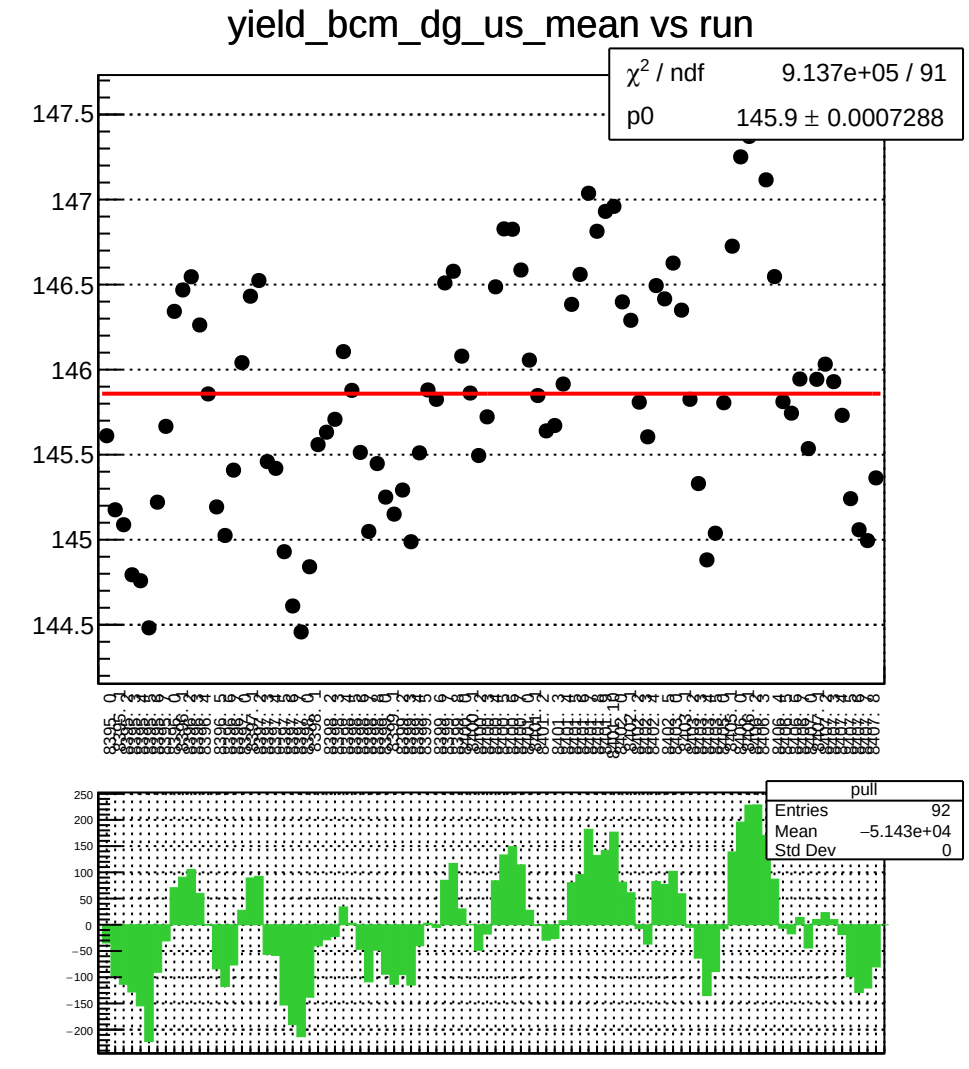

yield_bcm_an_ds3_mean vs run
χ² / ndf 4.886e+05 / 91
p0 145.9 ± 0.0007182
pull
Entries 92
Mean −610.6
Std Dev 0
pull1D
Entries 92
Mean −0.8701
Std Dev 3.297

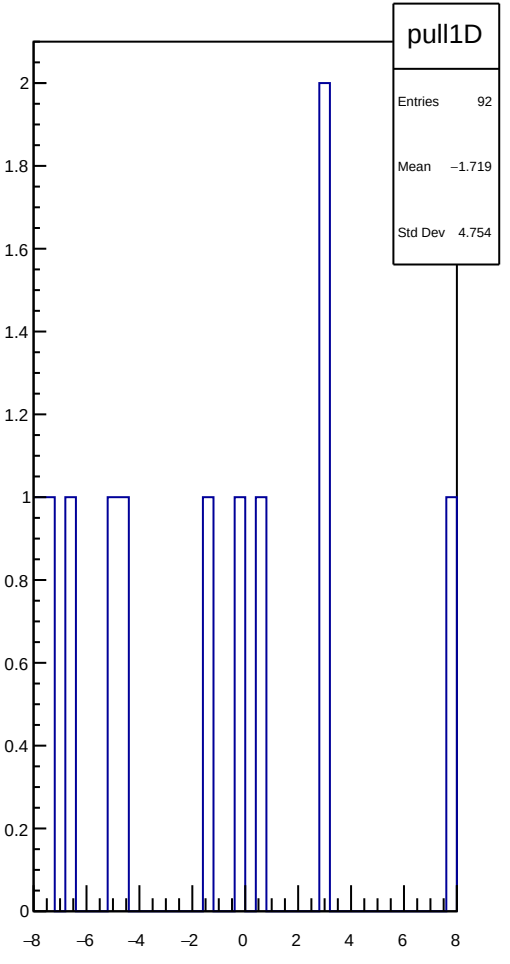

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.012e+04 / 91
p0 0.6647 ± 0.0005078
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55

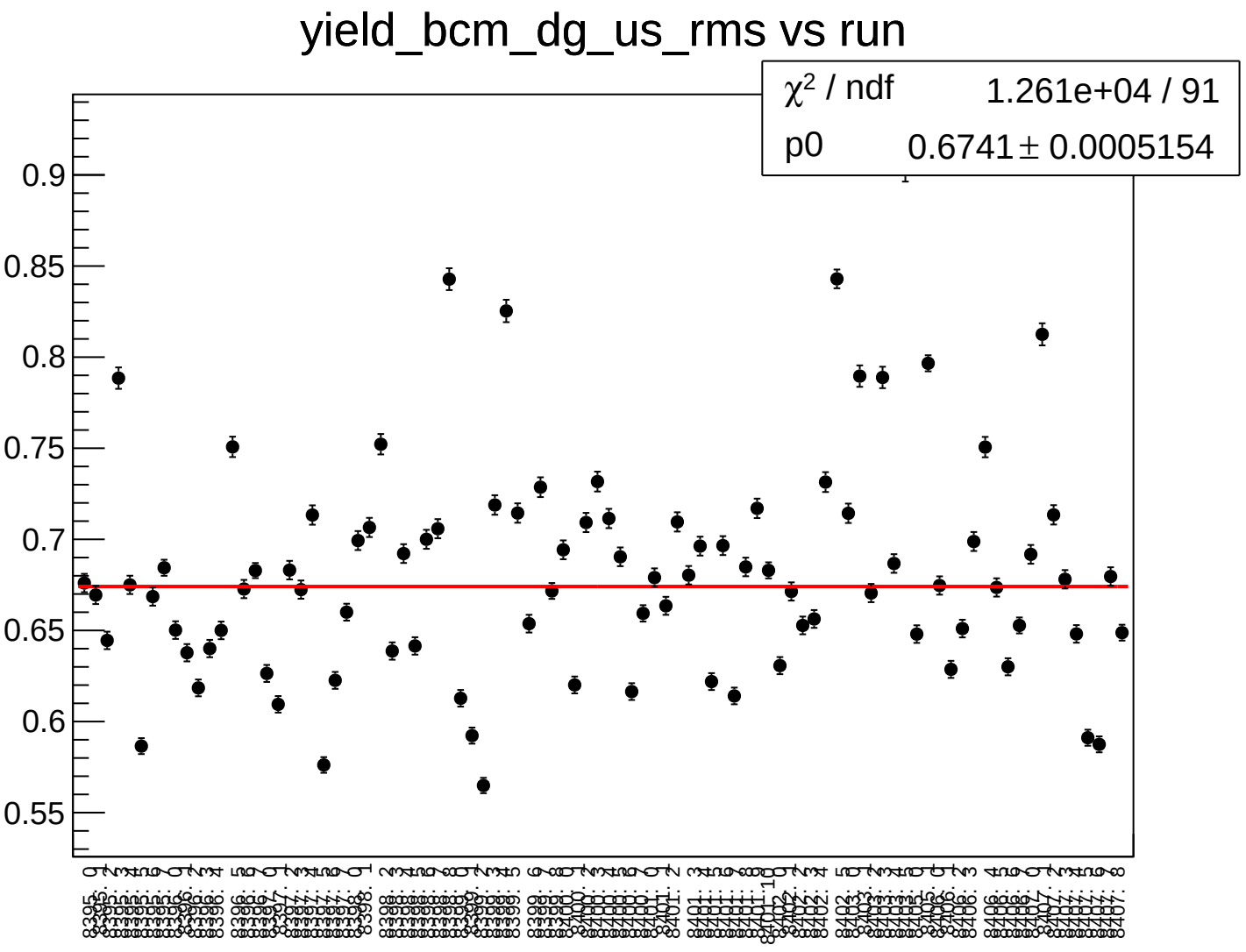

yield_bcm_an_us_mean vs run
χ² / ndf 4.846e+05 / 91
p0 145.7 ± 0.0007176
146.6
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 92
Mean −581.4
Std Dev 0
150
100
50
0
−50
−100

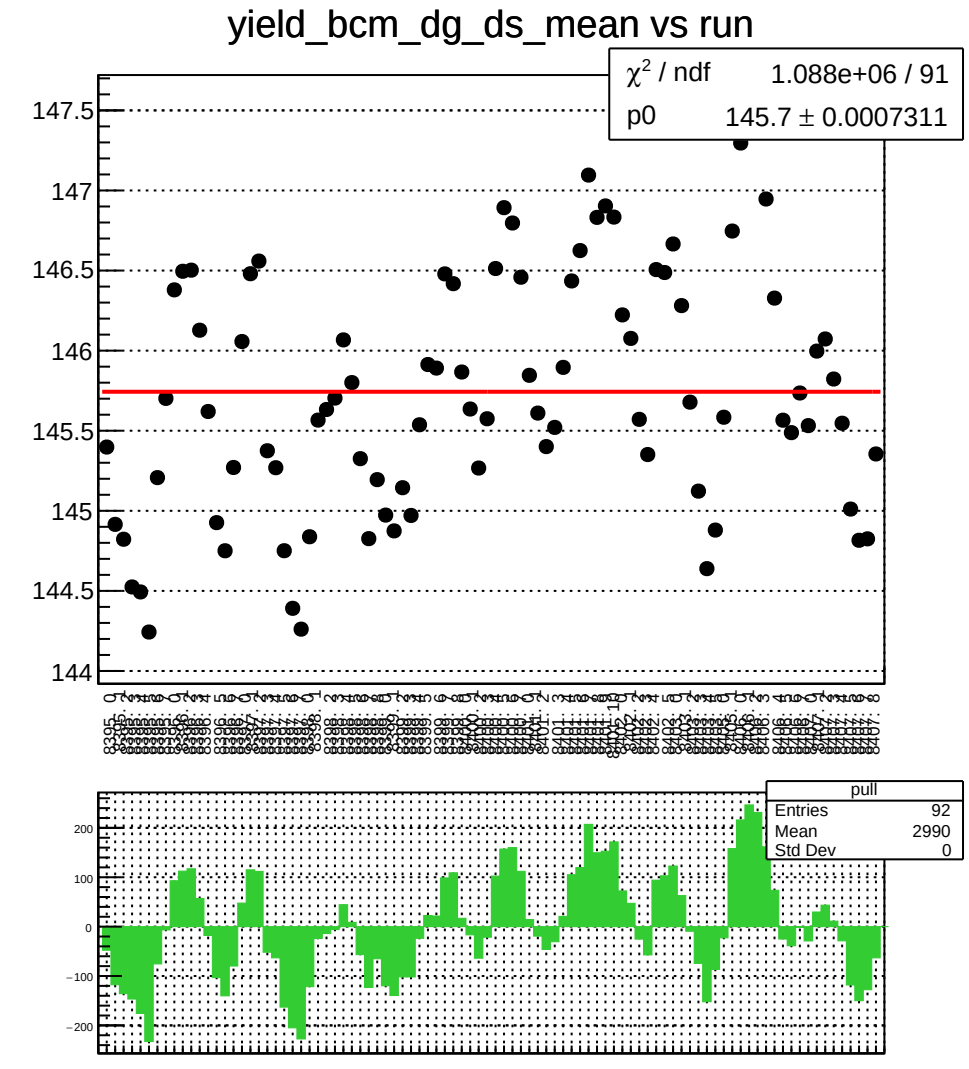

pull1D
Entries 92
Mean 0.2195
Std Dev 4.318
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

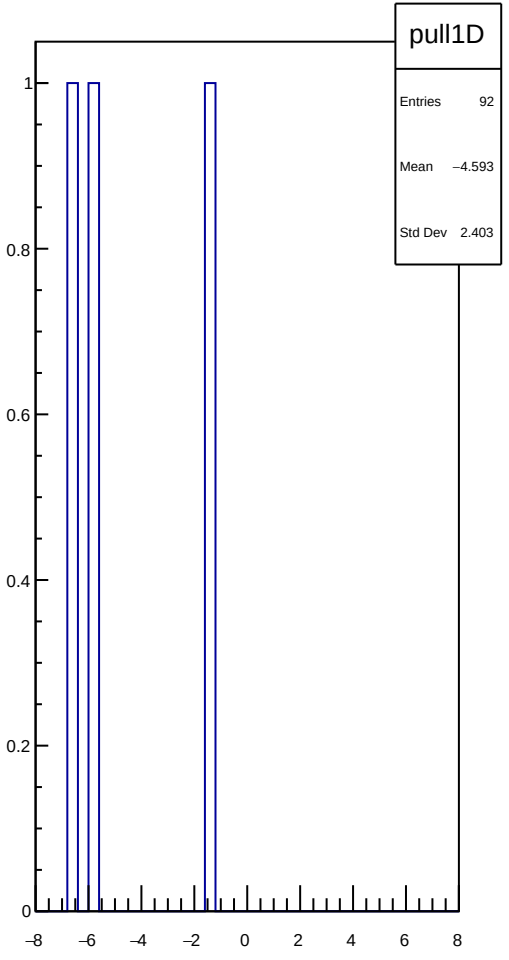

yield_bcm_an_us_rms vs run
χ² / ndf 1.021e+04 / 91
p0 0.6642 ± 0.0005074
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55

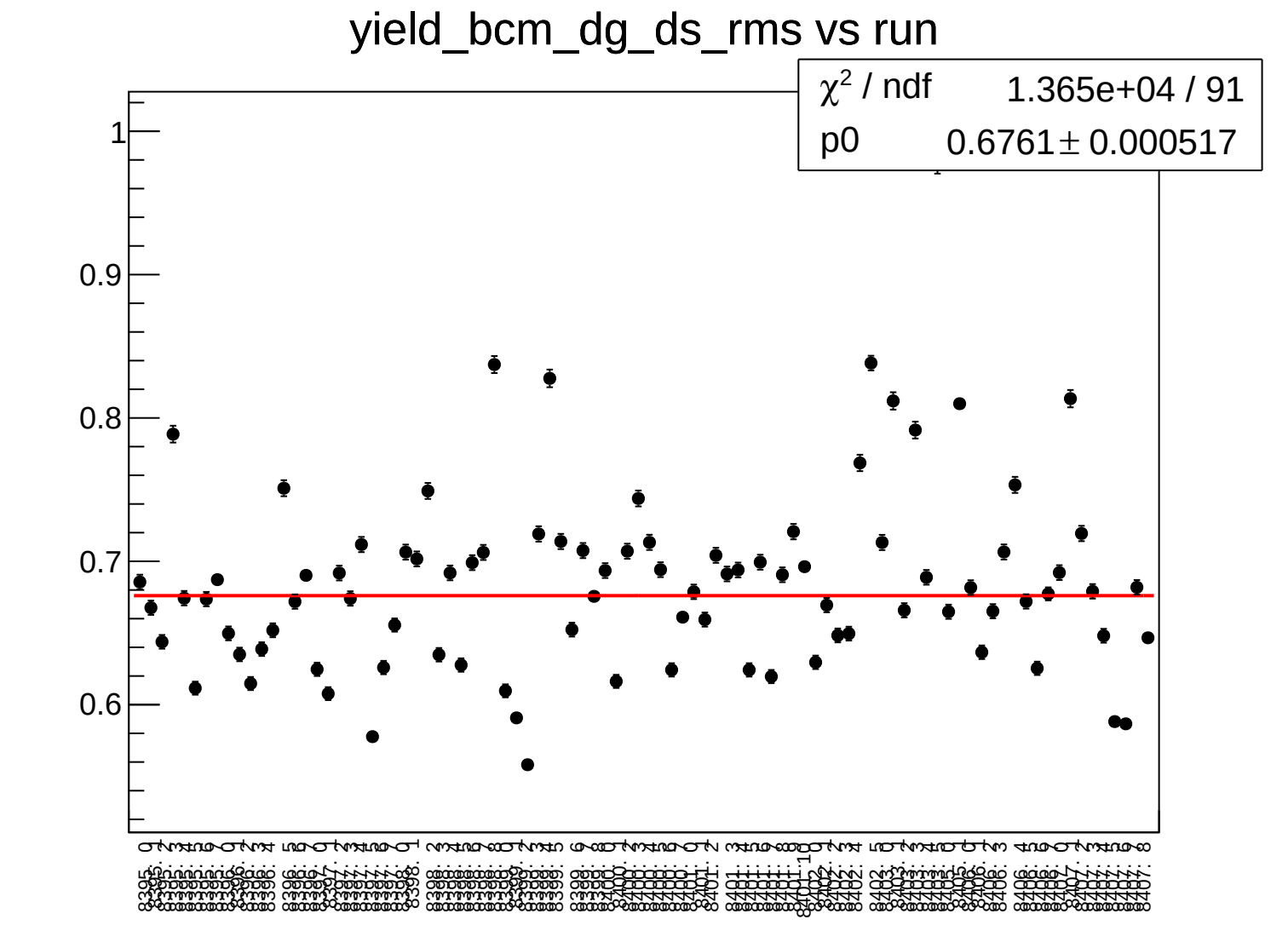

yield_bcm_dg_us_mean vs run
χ² / ndf 9.137e+05 / 91
p0 145.9 ± 0.0007288
147.5
147
146.5
146
145.5
145
144.5
pull
Entries 92
Mean −5.143e+04
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200

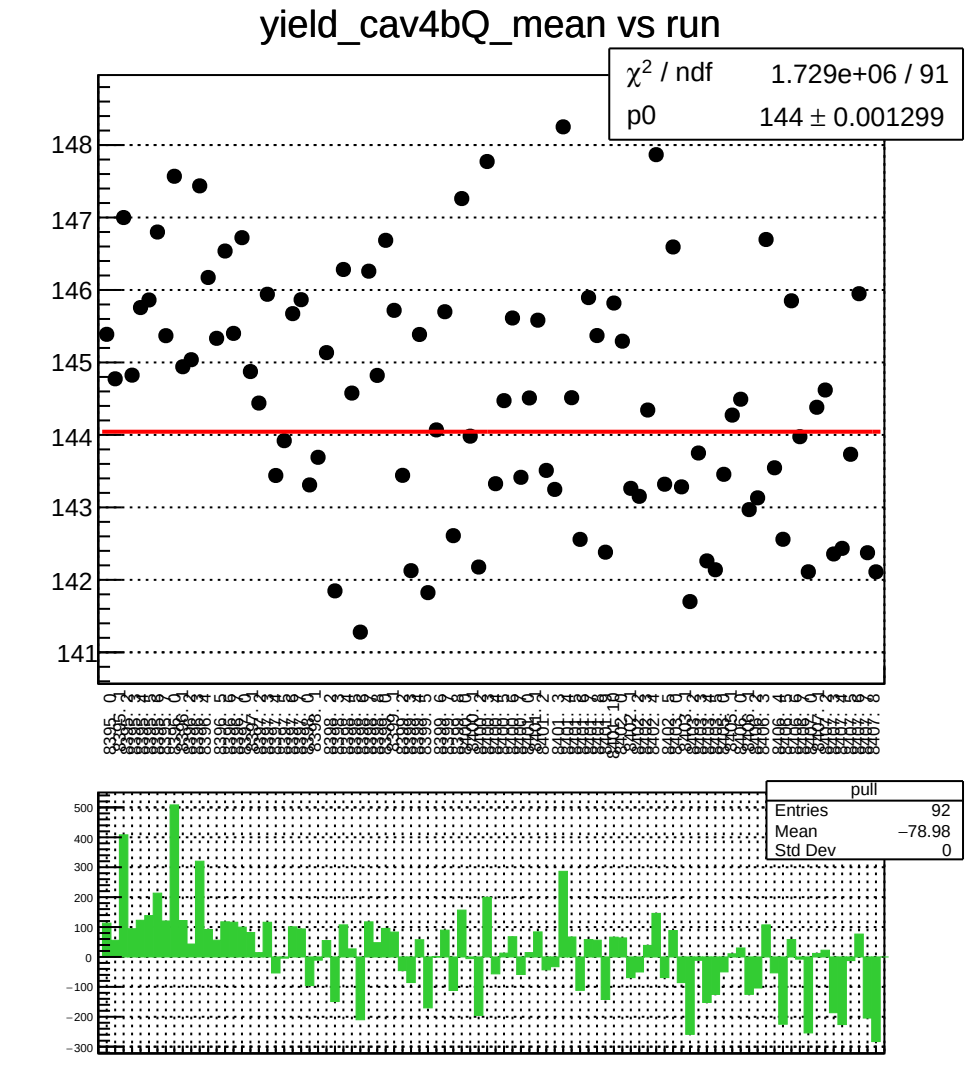

pull1D
Entries 92
Mean −1.719
Std Dev 4.754
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

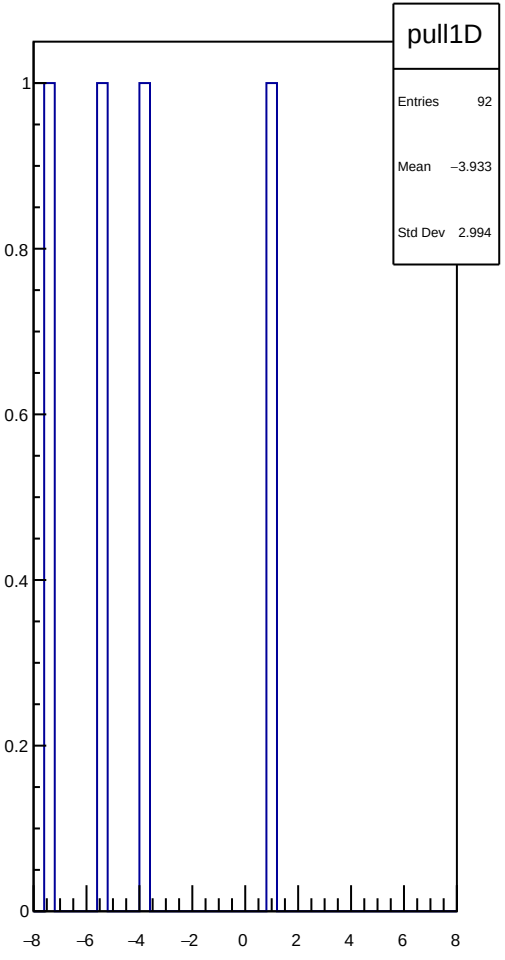

yield_bcm_dg_us_rms vs run
χ² / ndf 1.261e+04 / 91
p0 0.6741 ± 0.0005154
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55

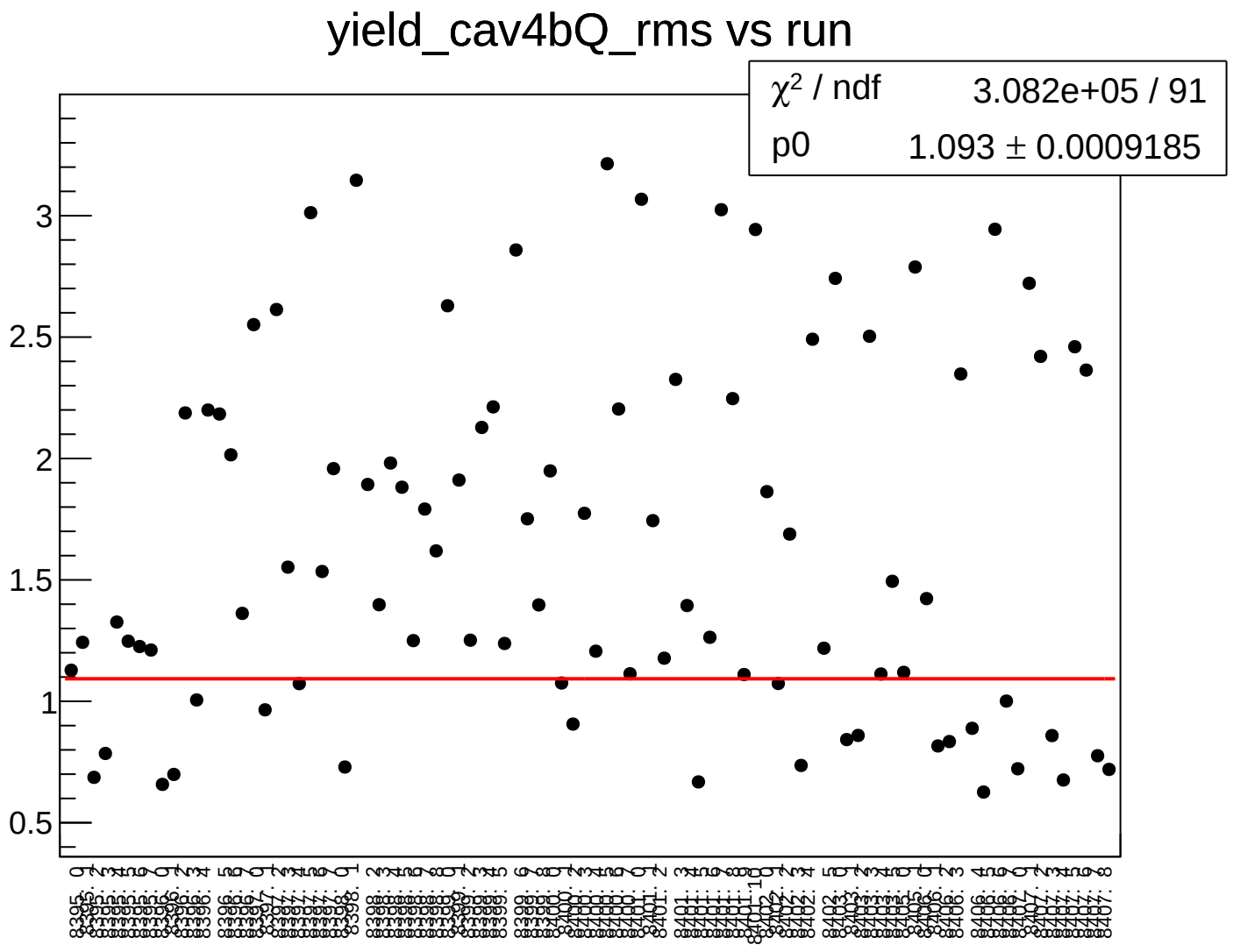

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.088e+06 / 91
p0 145.7 ± 0.0007311
147.5
147
146.5
146
145.5
145
144.5
144
pull
Entries 92
Mean 2990
Std Dev 0
200
100
0
−100
−200

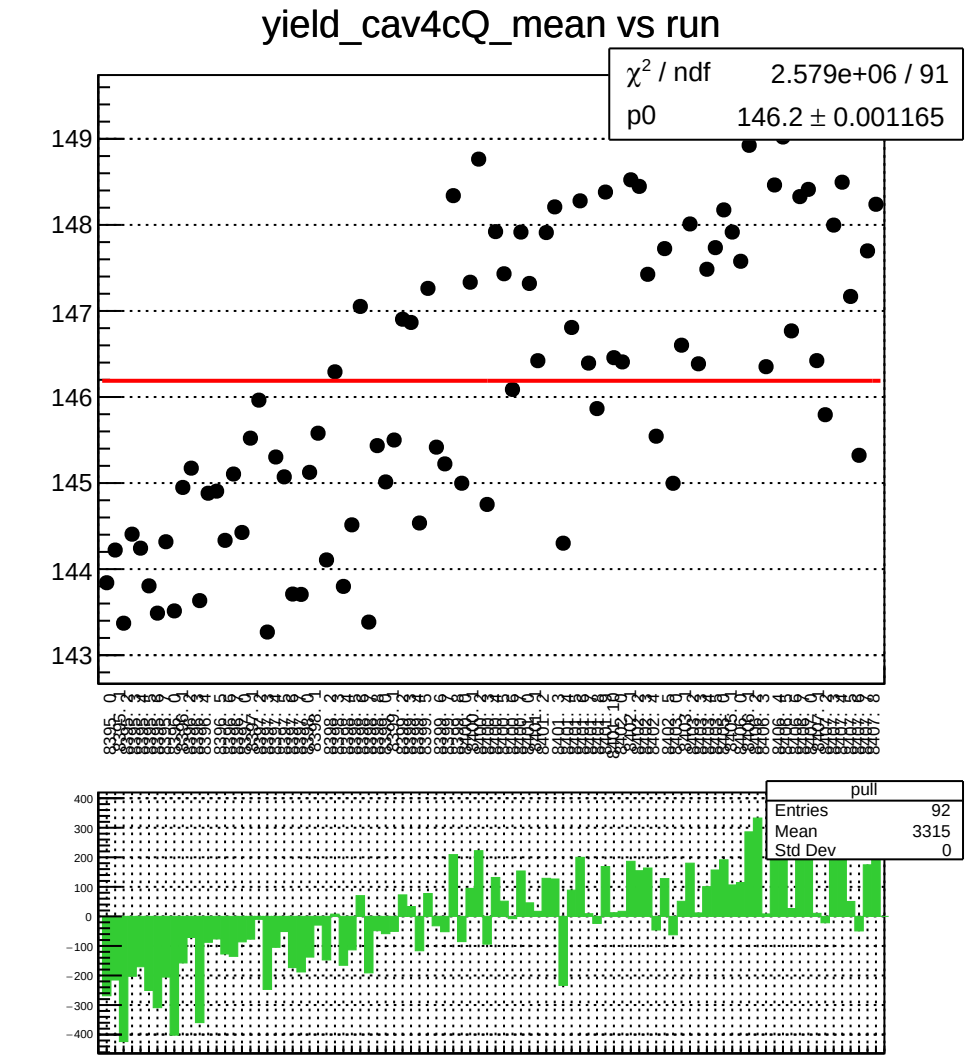

pull1D
Entries 92
Mean −4.593
Std Dev 2.403
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

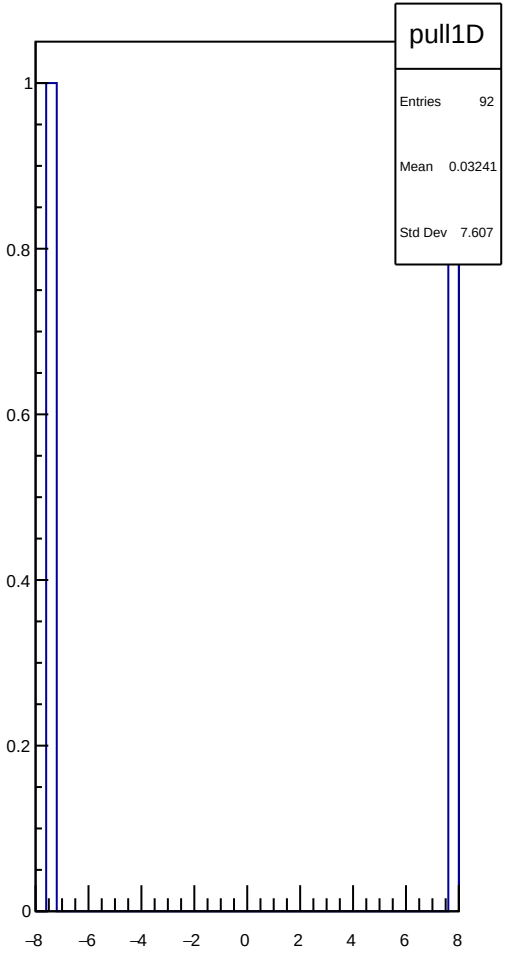

yield_bcm_dg_ds_rms vs run
$\chi^2$ / ndf 1.365e+04 / 91
p0 0.6761 ± 0.000517
1
0.9
0.8
0.7
0.6

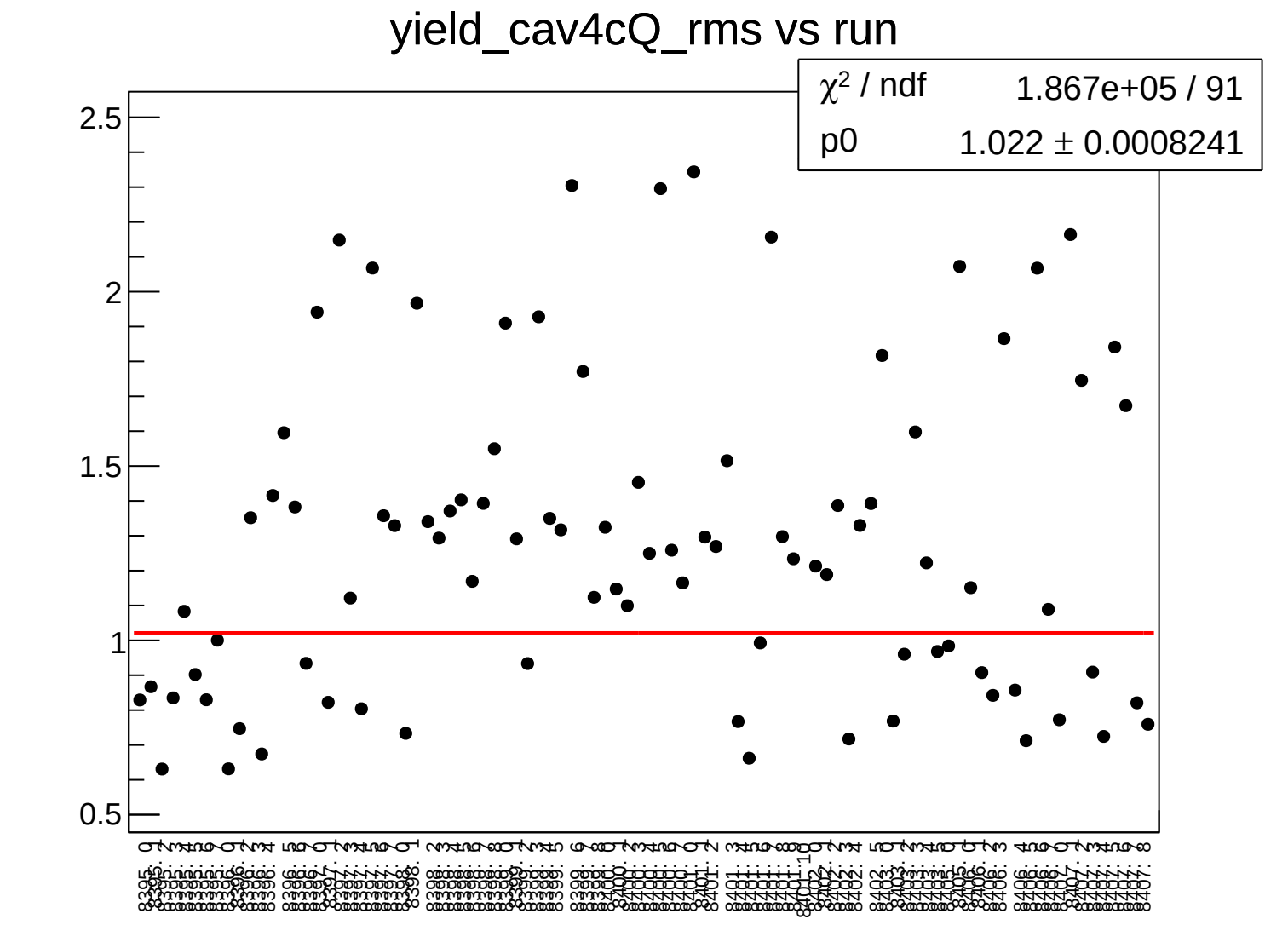

yield_cav4bQ_mean vs run
χ² / ndf 1.729e+06 / 91
p0 144 ± 0.001299
148
147
146
145
144
143
142
141
pull
Entries 92
Mean −78.98
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

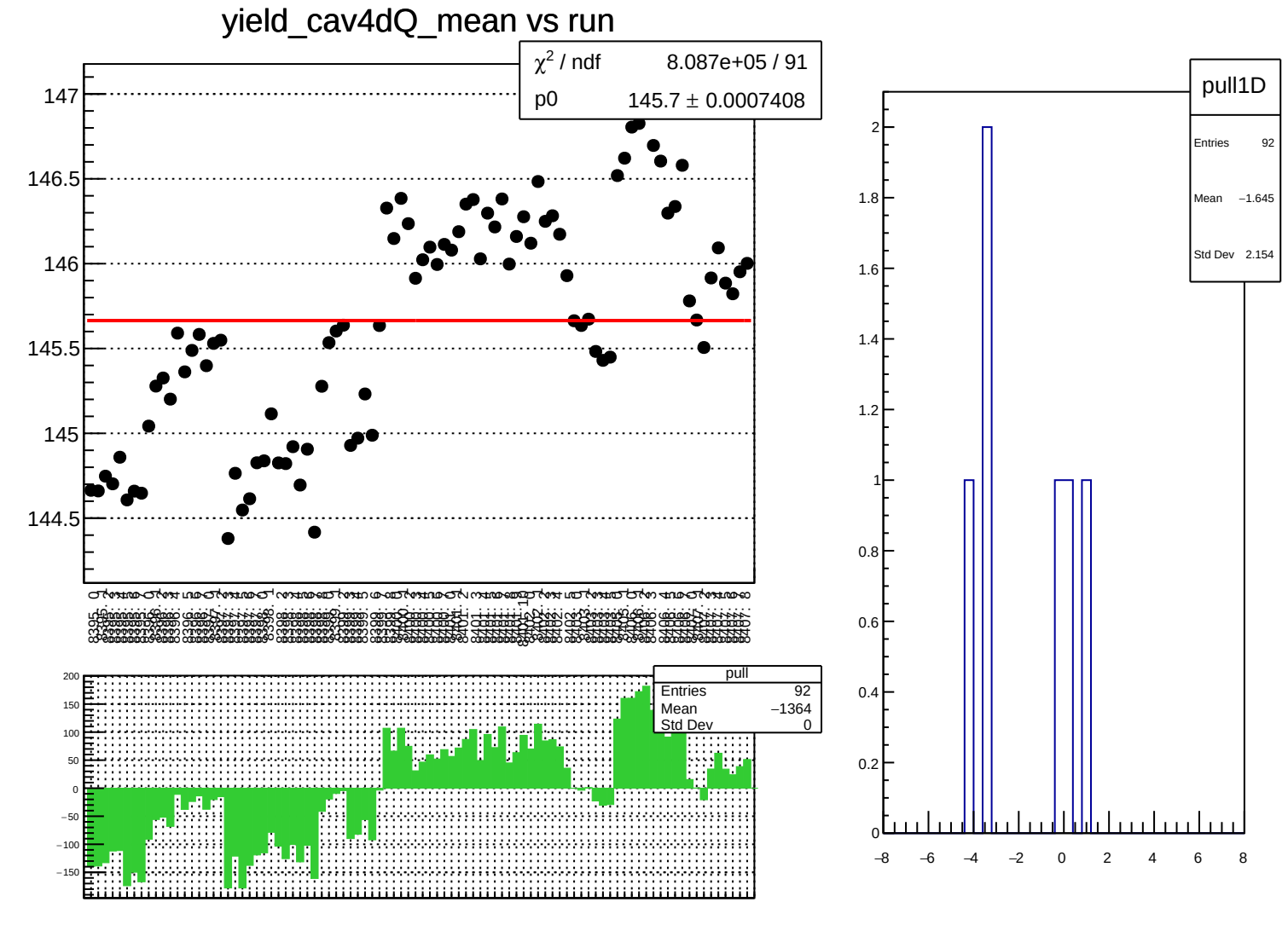

pull1D
Entries 92
Mean −3.933
Std Dev 2.994
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

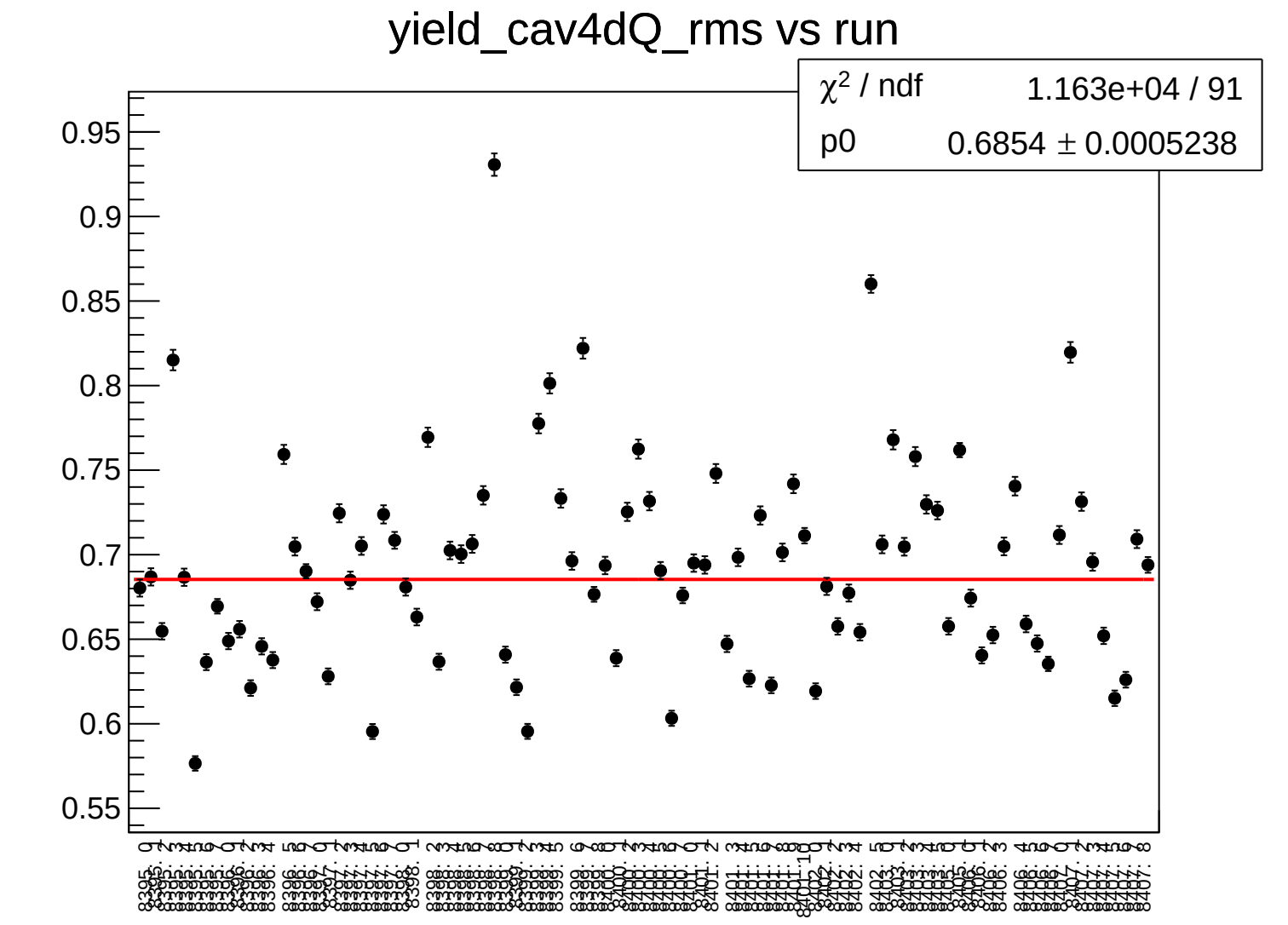

yield_cav4bQ_rms vs run
χ² / ndf 3.082e+05 / 91
p0 1.093 ± 0.0009185
3
2.5
2
1.5
1
0.5

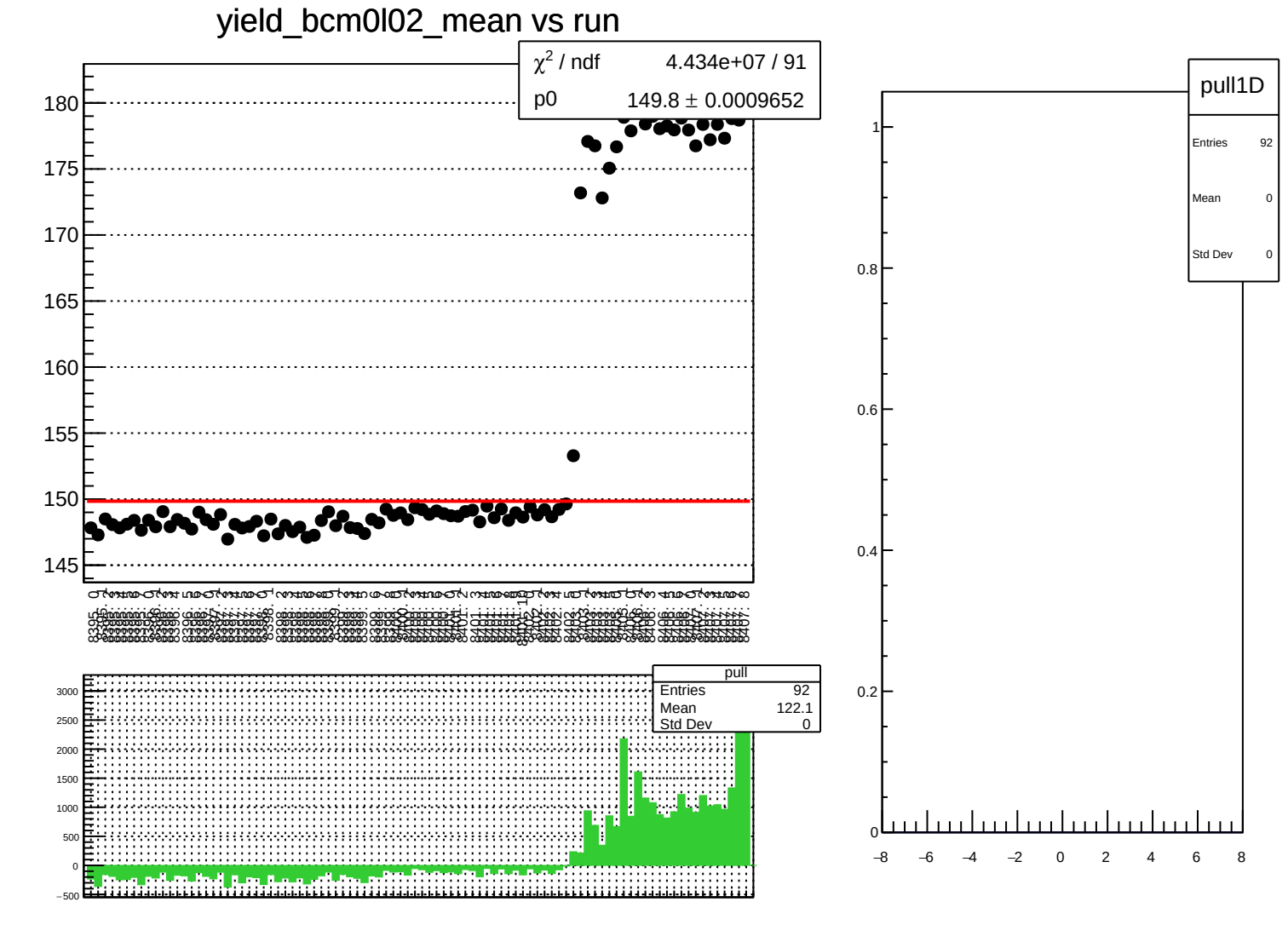

yield_cav4cQ_mean vs run
χ² / ndf 2.579e+06 / 91
p0 146.2 ± 0.001165
149
148
147
146
145
144
143
pull
Entries 92
Mean 3315
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

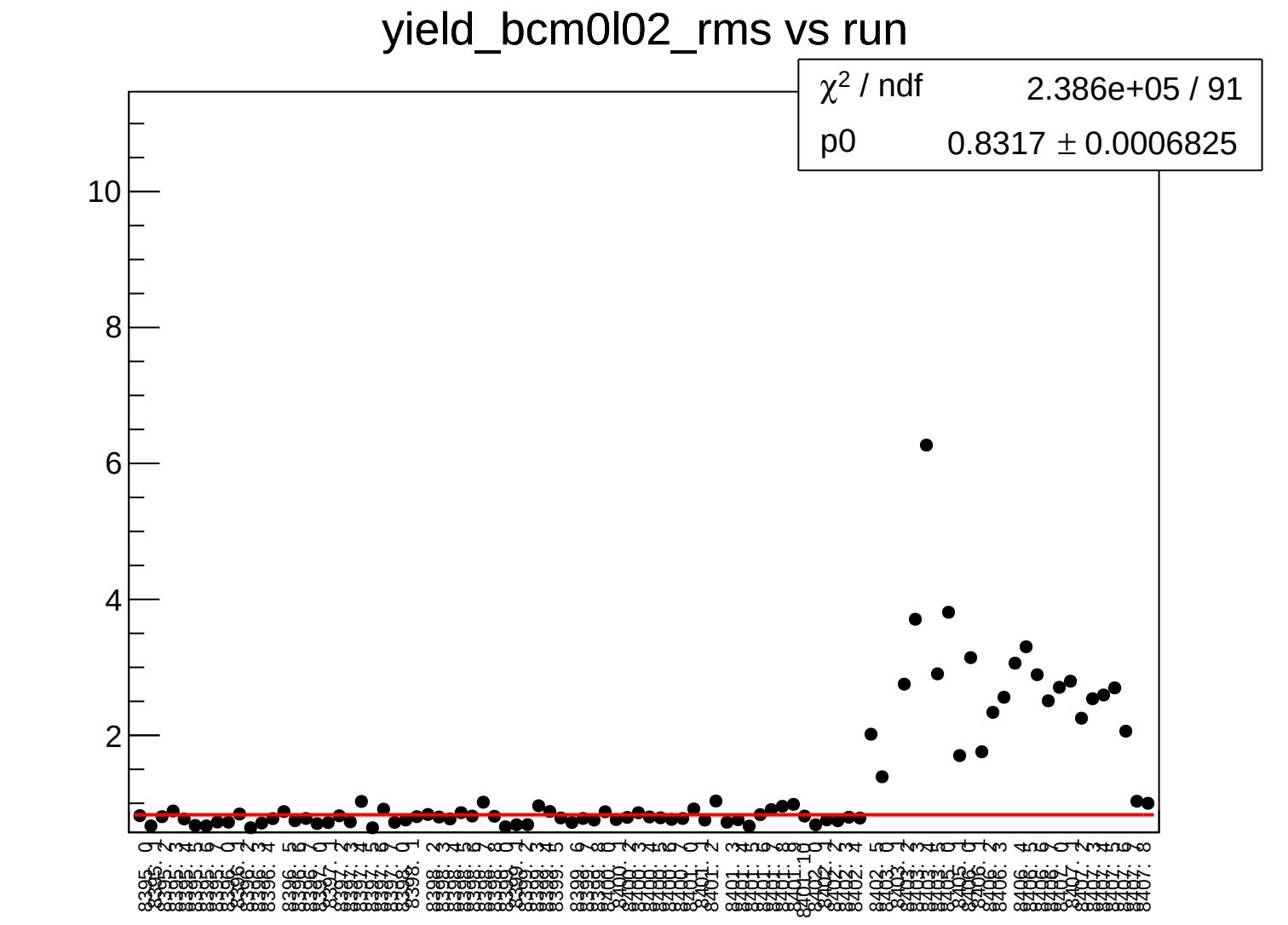

pull1D
Entries 92
Mean 0.03241
Std Dev 7.607
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

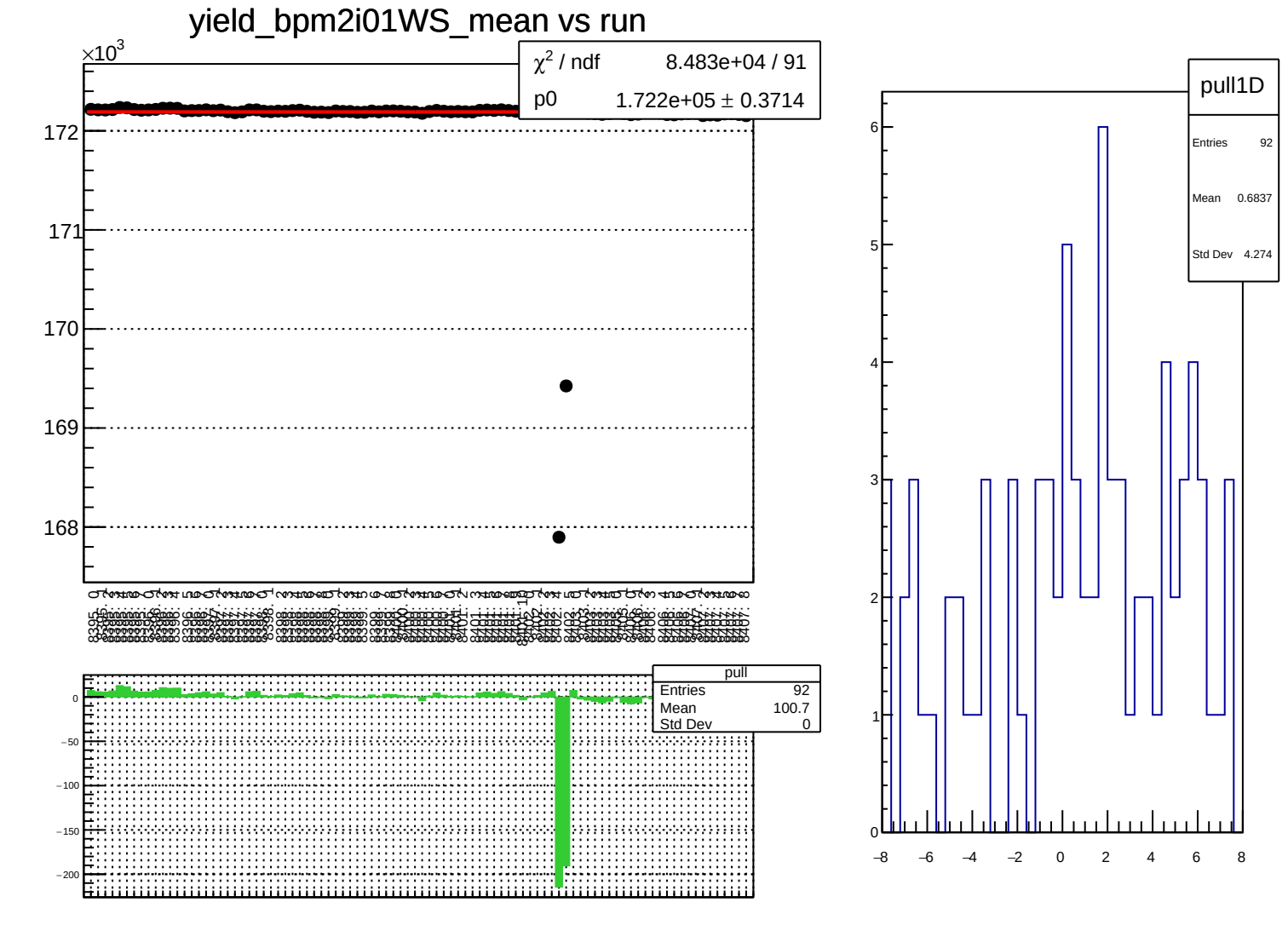

yield_cav4cQ_rms vs run
χ² / ndf 1.867e+05 / 91
p0 1.022 ± 0.0008241
2.5
2
1.5
1
0.5

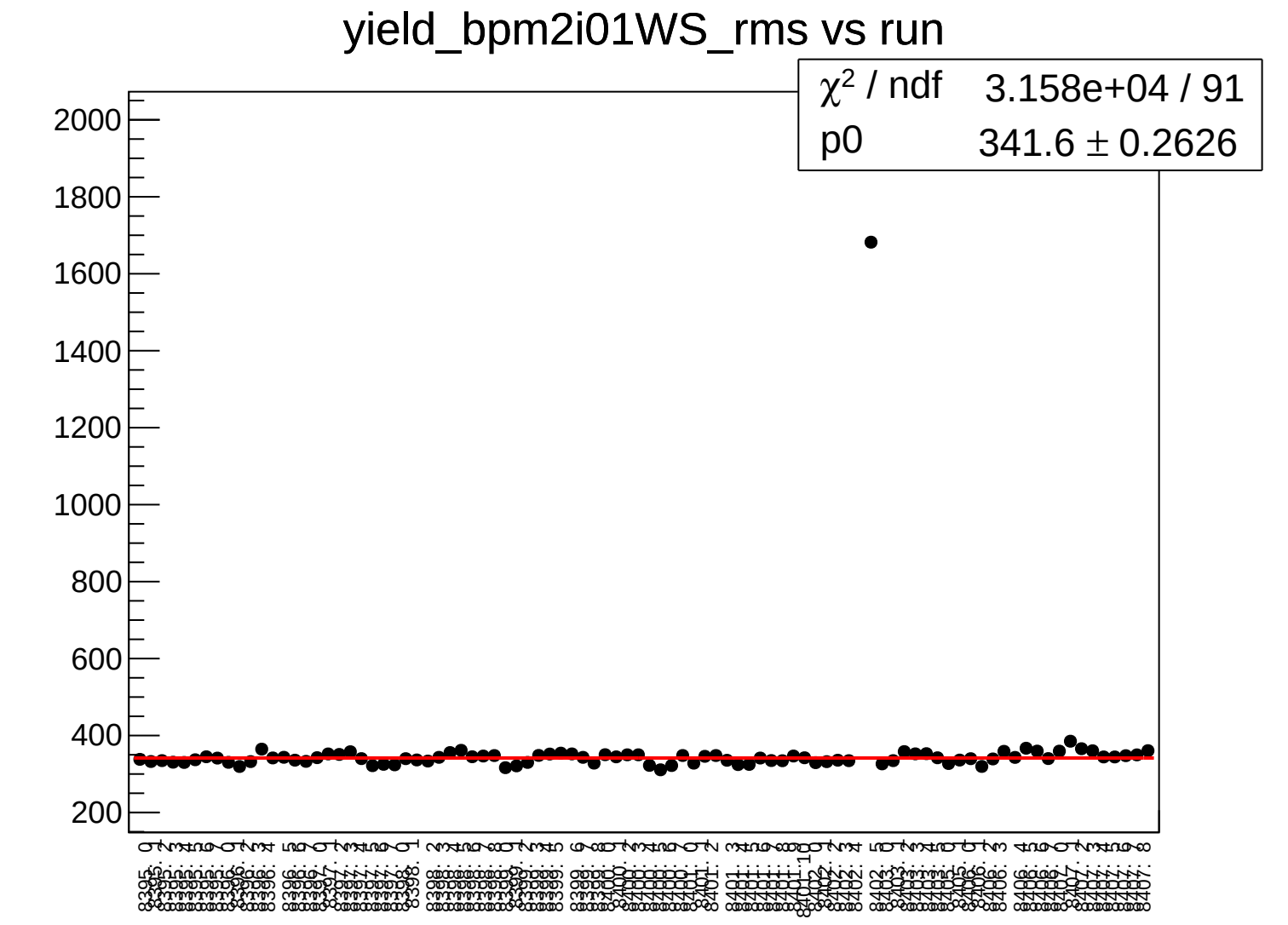

yield_cav4dQ_mean vs run
χ² / ndf 8.087e+05 / 91
p0 145.7 ± 0.0007408
147
146.5
146
145.5
145
144.5
pull
Entries 92
Mean −1364
Std Dev 0
200
150
100
50
0
−50
−100
−150
pull1D
Entries 92
Mean −1.645
Std Dev 2.154
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

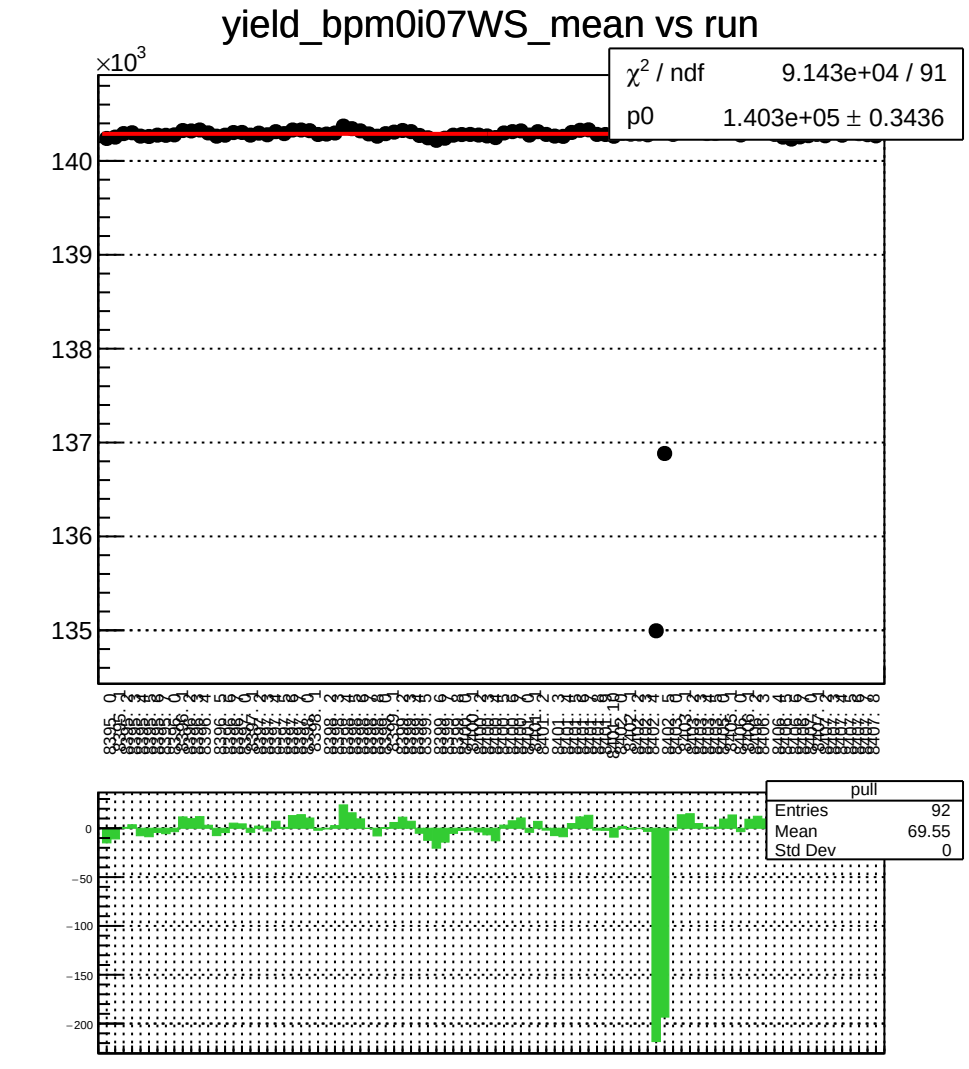

yield_cav4dQ_rms vs run
χ² / ndf 1.163e+04 / 91
p0 0.6854 ± 0.0005238
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55

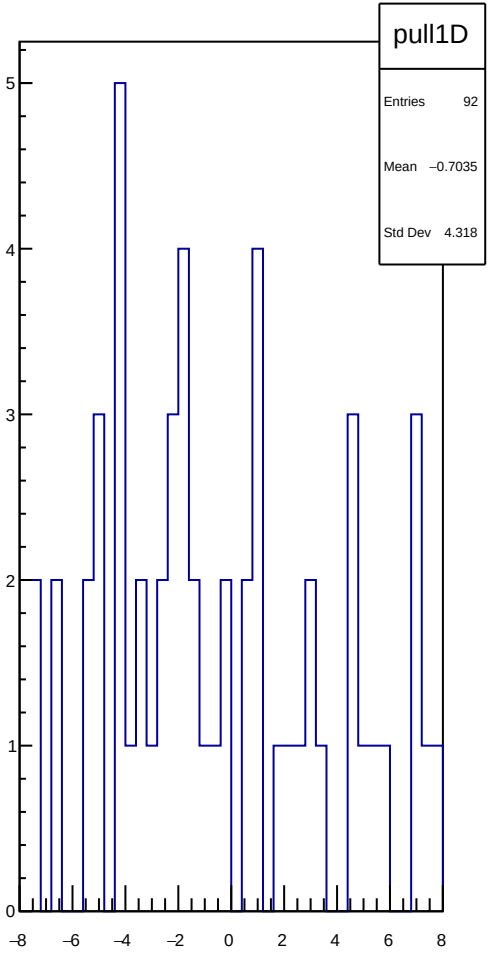

yield_bcm0l02_mean vs run
χ² / ndf 4.434e+07 / 91
p0 149.8 ± 0.0009652
pull
Entries 92
Mean 122.1
Std Dev 0
pull1D
Entries 92
Mean 0
Std Dev 0

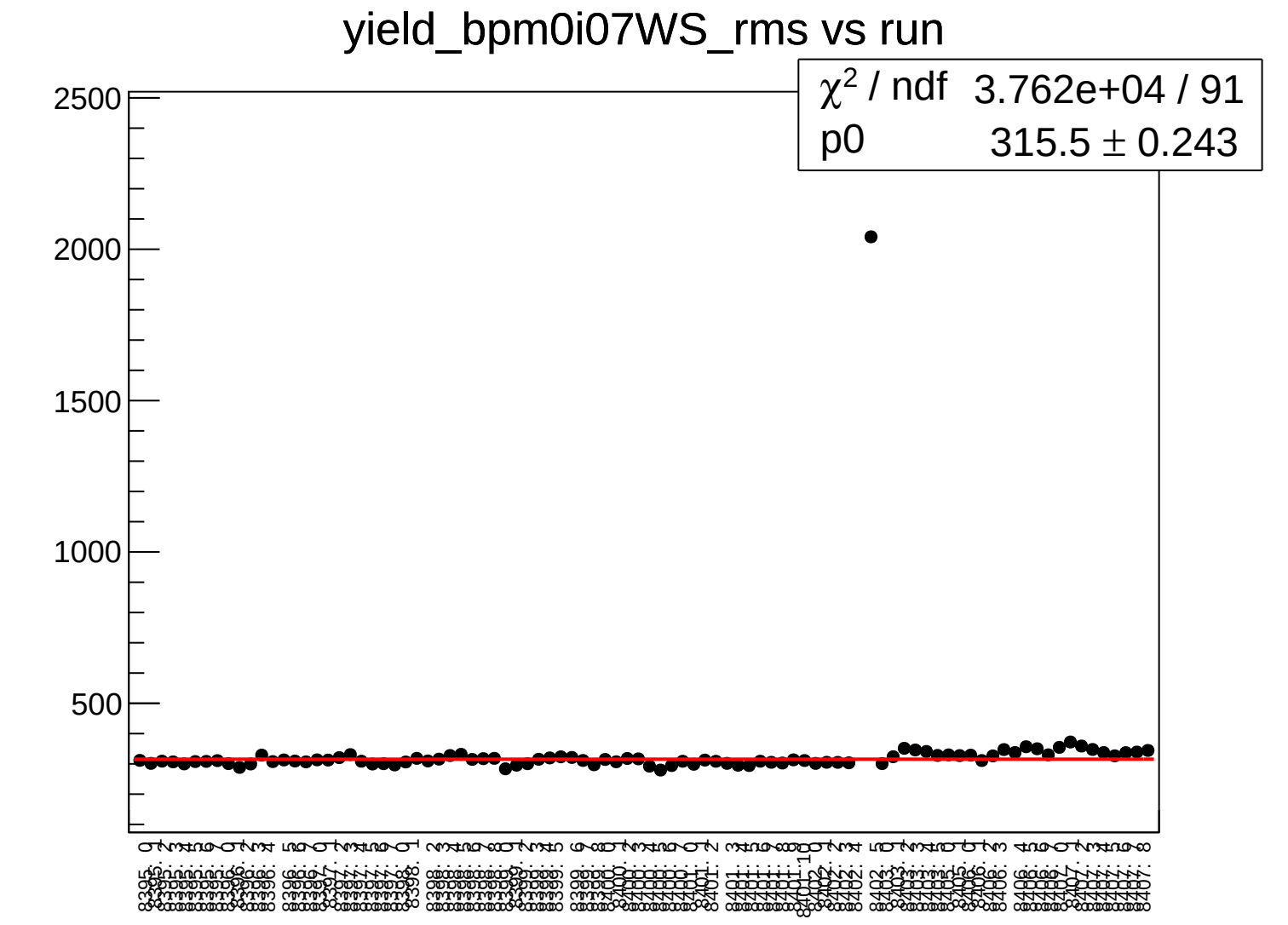

yield_bcm0l02_rms vs run
χ² / ndf 2.386e+05 / 91
p0 0.8317 ± 0.0006825
10
8
6
4
2

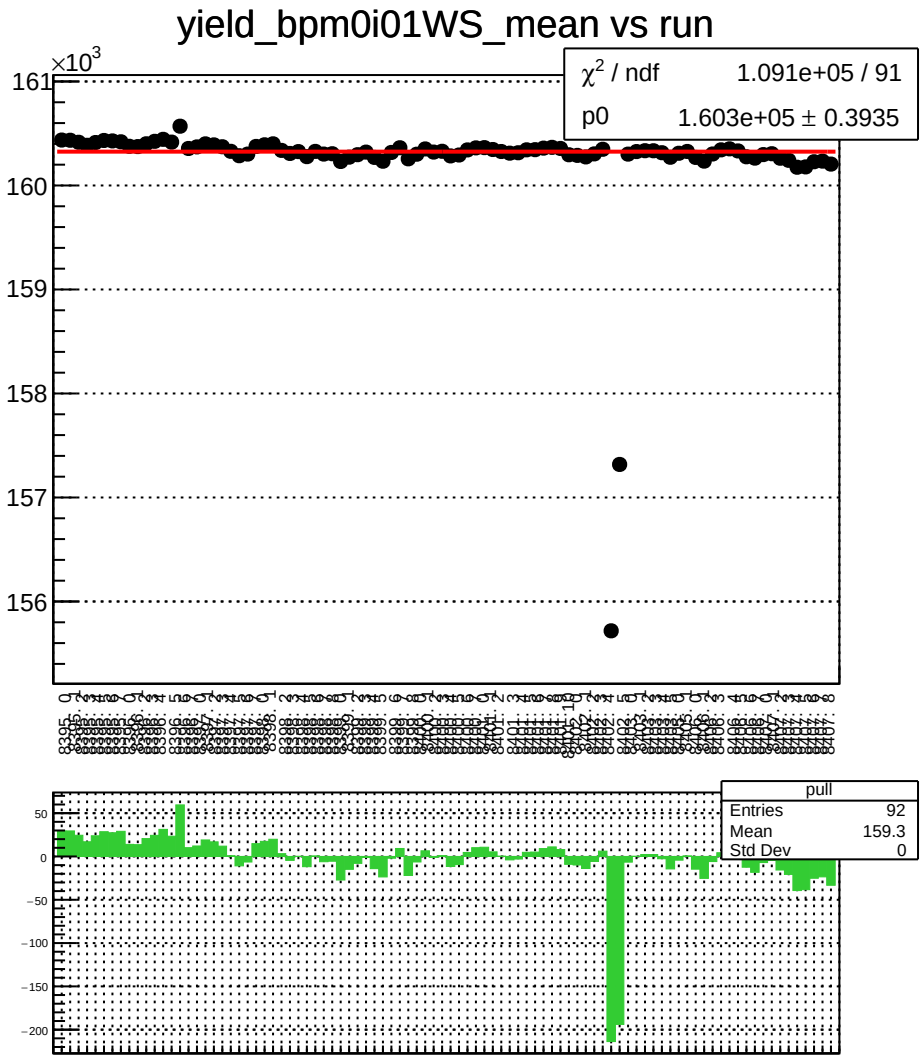

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.483e+04 / 91
p0 1.722e+05 ± 0.3714
172
171
170
169
168
pull
Entries 92
Mean 100.7
Std Dev 0
0
−50
−100
−150
−200
pull1D
Entries 92
Mean 0.6837
Std Dev 4.274
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

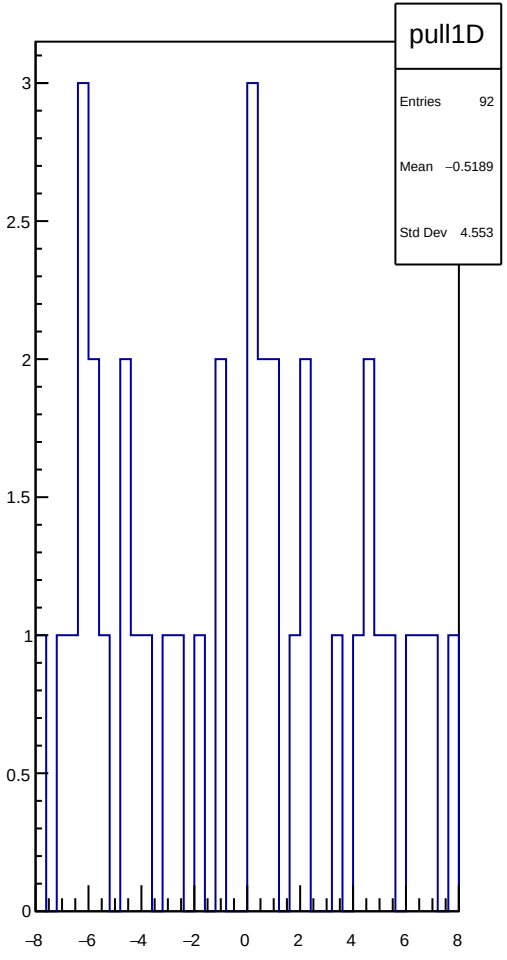

yield_bpm2i01WS_rms vs run
χ² / ndf 3.158e+04 / 91
p0 341.6 ± 0.2626
2000
1800
1600
1400
1200
1000
800
600
400
200

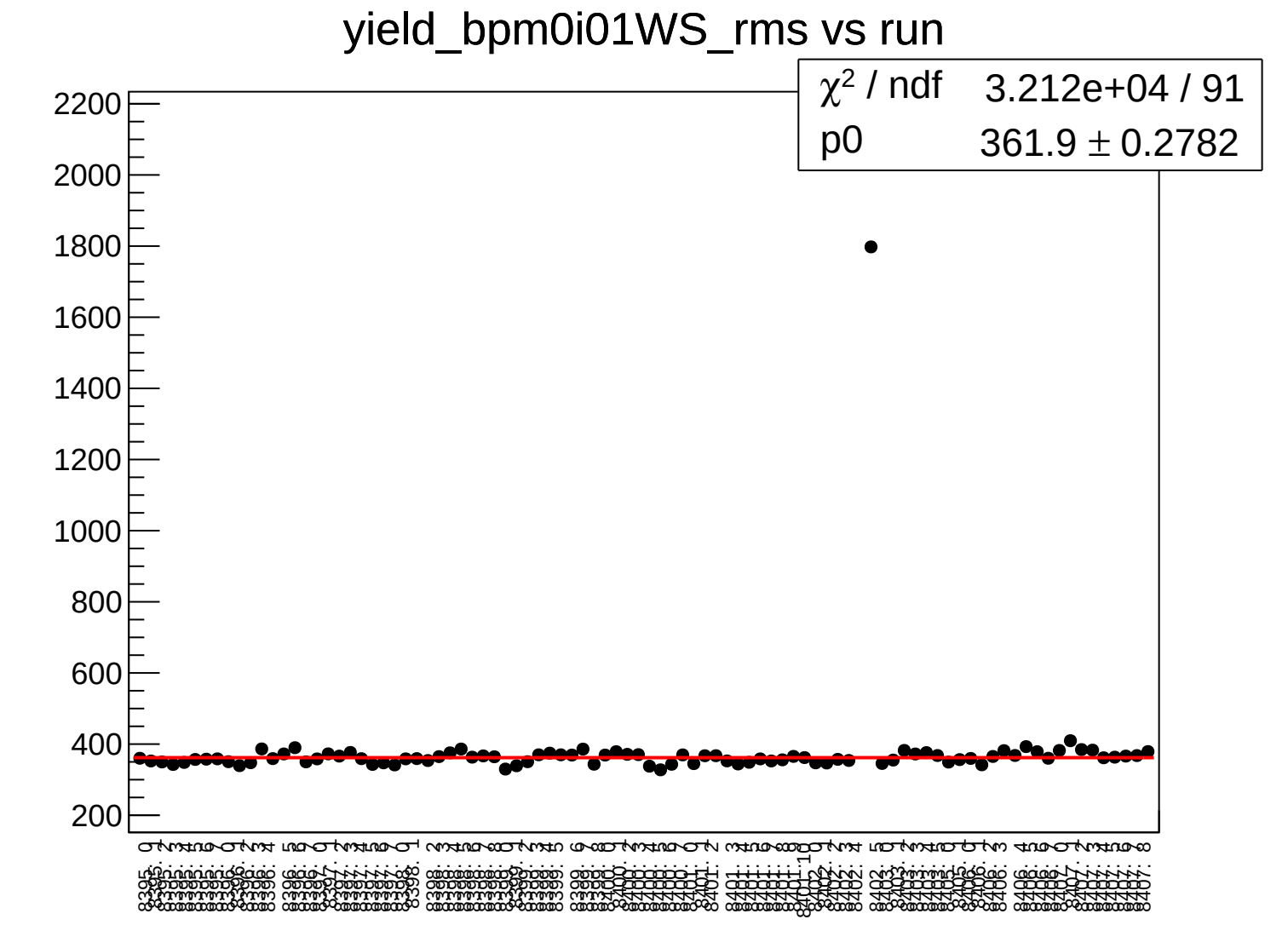

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 9.143e+04 / 91
p0 1.403e+05 ± 0.3436
140
139
138
137
136
135
pull
Entries 92
Mean 69.55
Std Dev 0
0
−50
−100
−150
−200

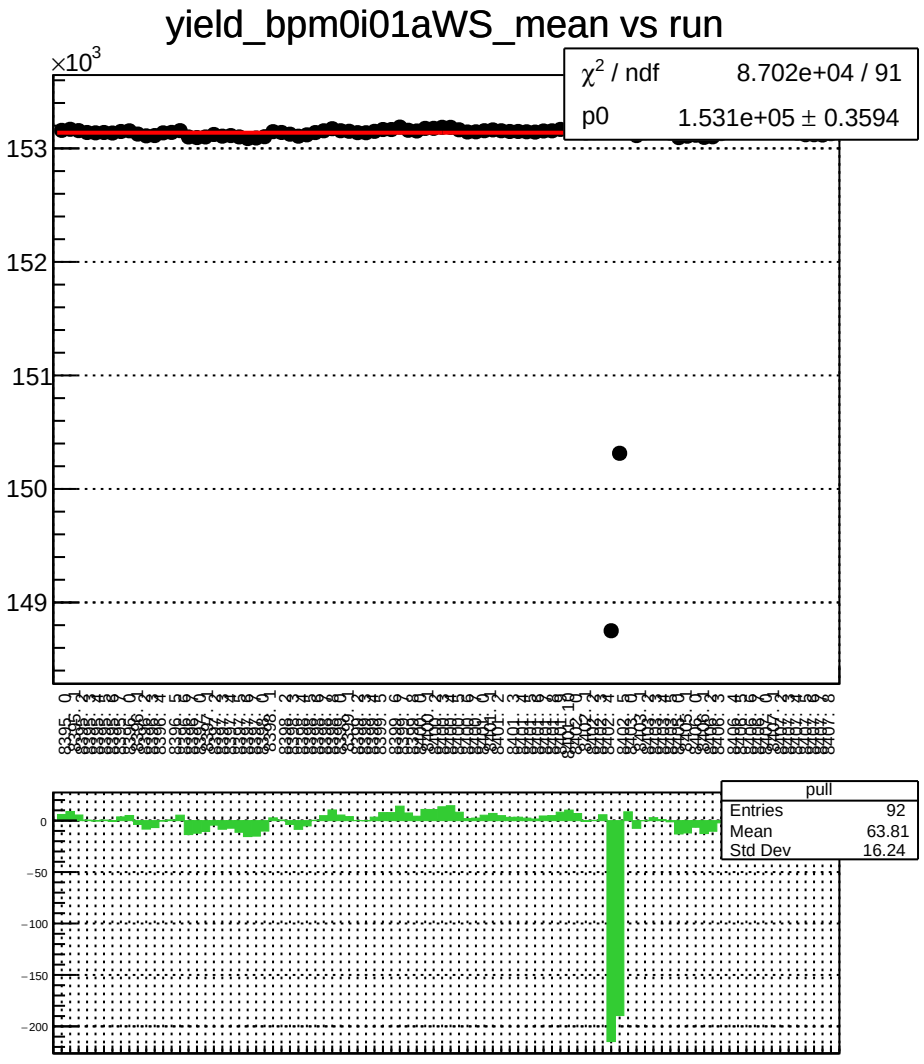

pull1D
Entries 92
Mean −0.7035
Std Dev 4.318
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

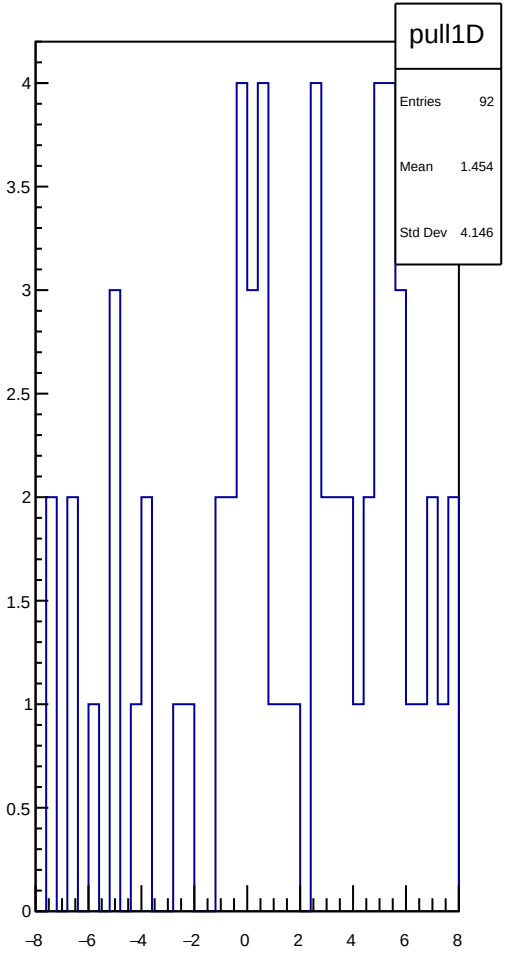

yield_bpm0i07WS_rms vs run
$\chi^2$ / ndf 3.762e+04 / 91
p0 315.5 ± 0.243
2500
2000
1500
1000
500

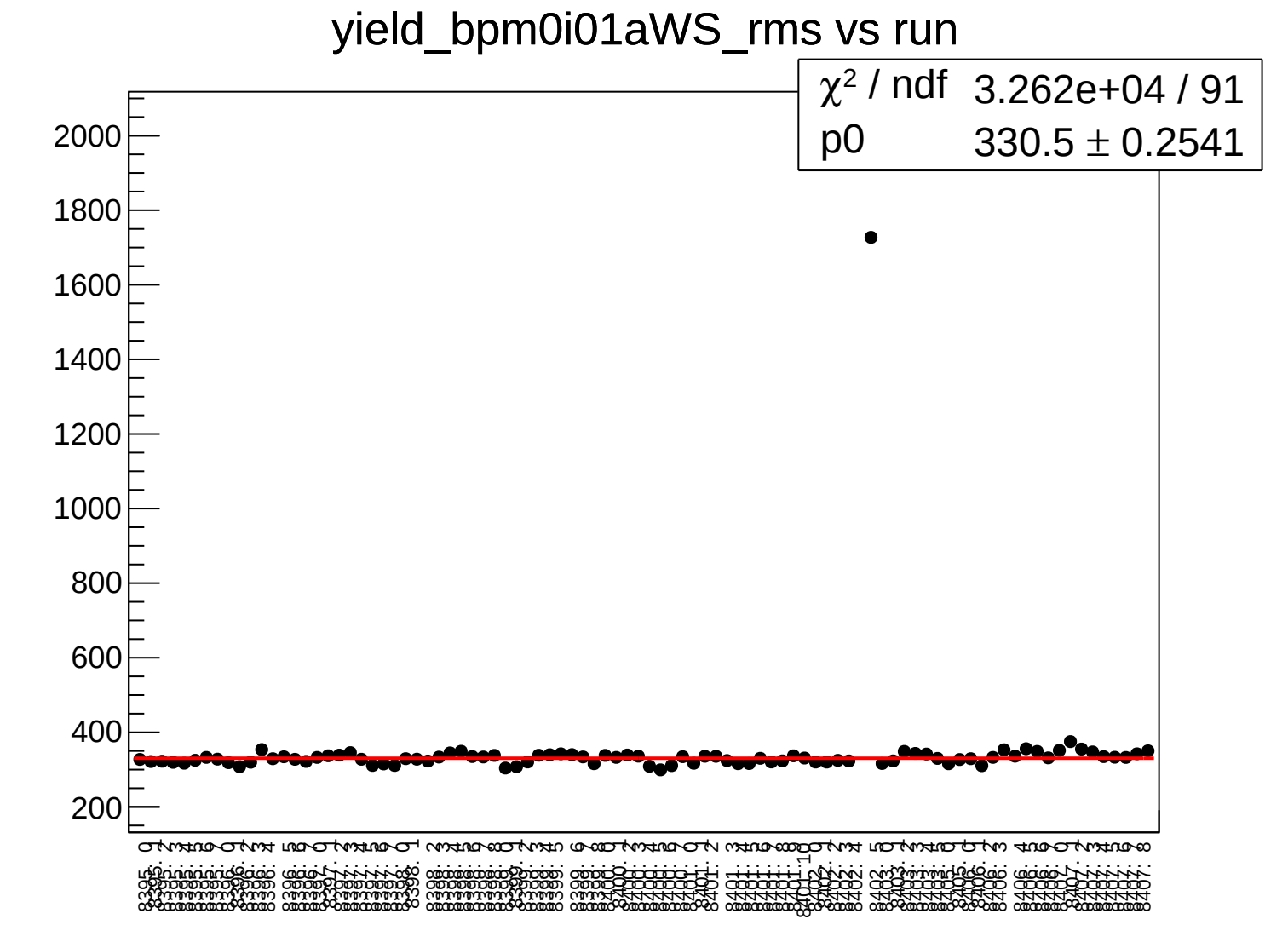

yield_bpm0i01WS_mean vs run
×10^3
161
160
159
158
157
156
χ² / ndf 1.091e+05 / 91
p0 1.603e+05 ± 0.3935
pull
Entries 92
Mean 159.3
Std Dev 0
50
0
−50
−100
−150
−200

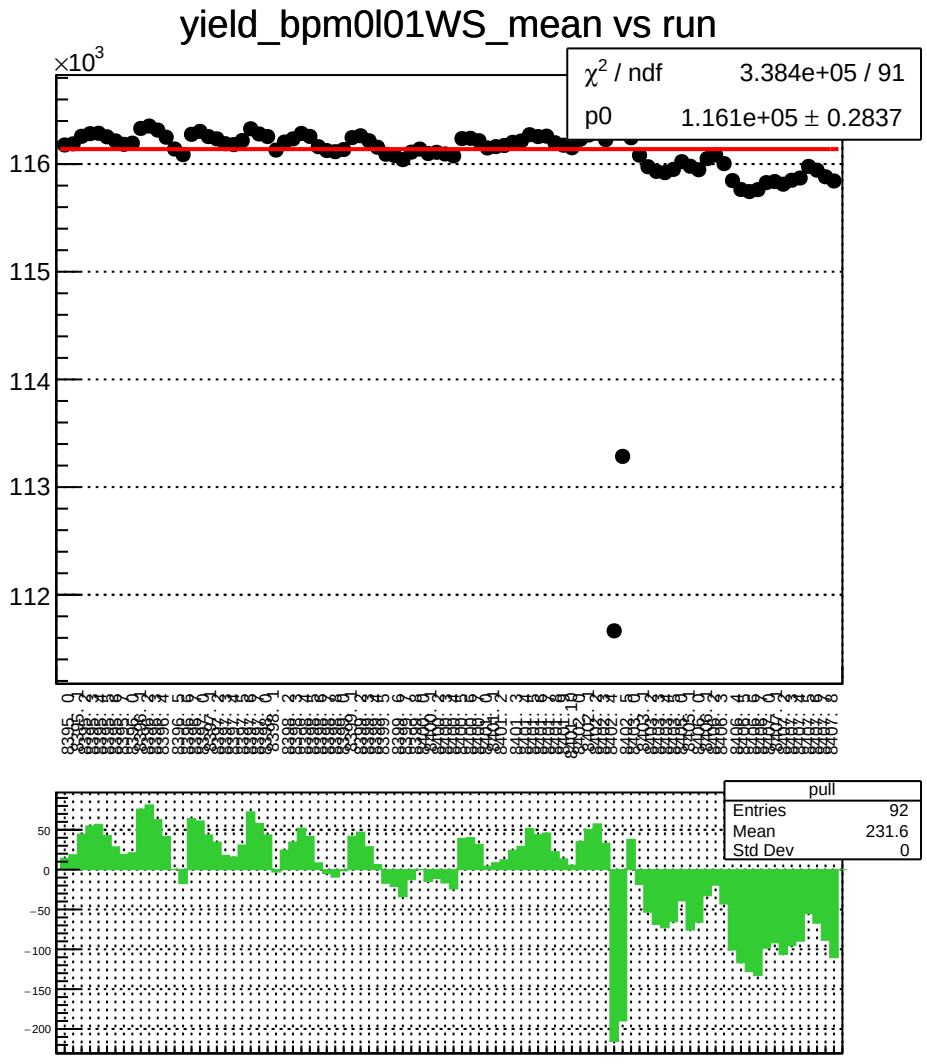

pull1D
Entries 92
Mean −0.5189
Std Dev 4.553
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

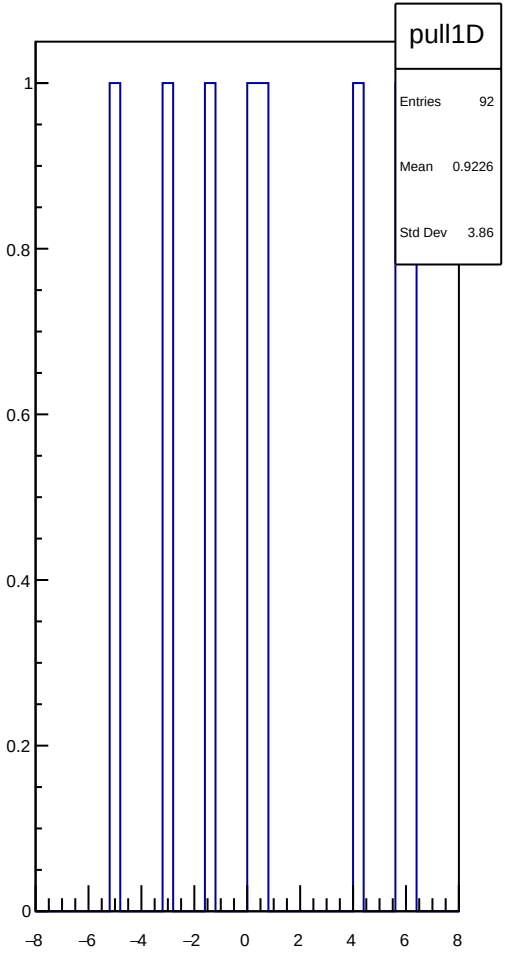

yield_bpm0i01WS_rms vs run
$\chi^2$ / ndf 3.212e+04 / 91
p0 361.9 ± 0.2782
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

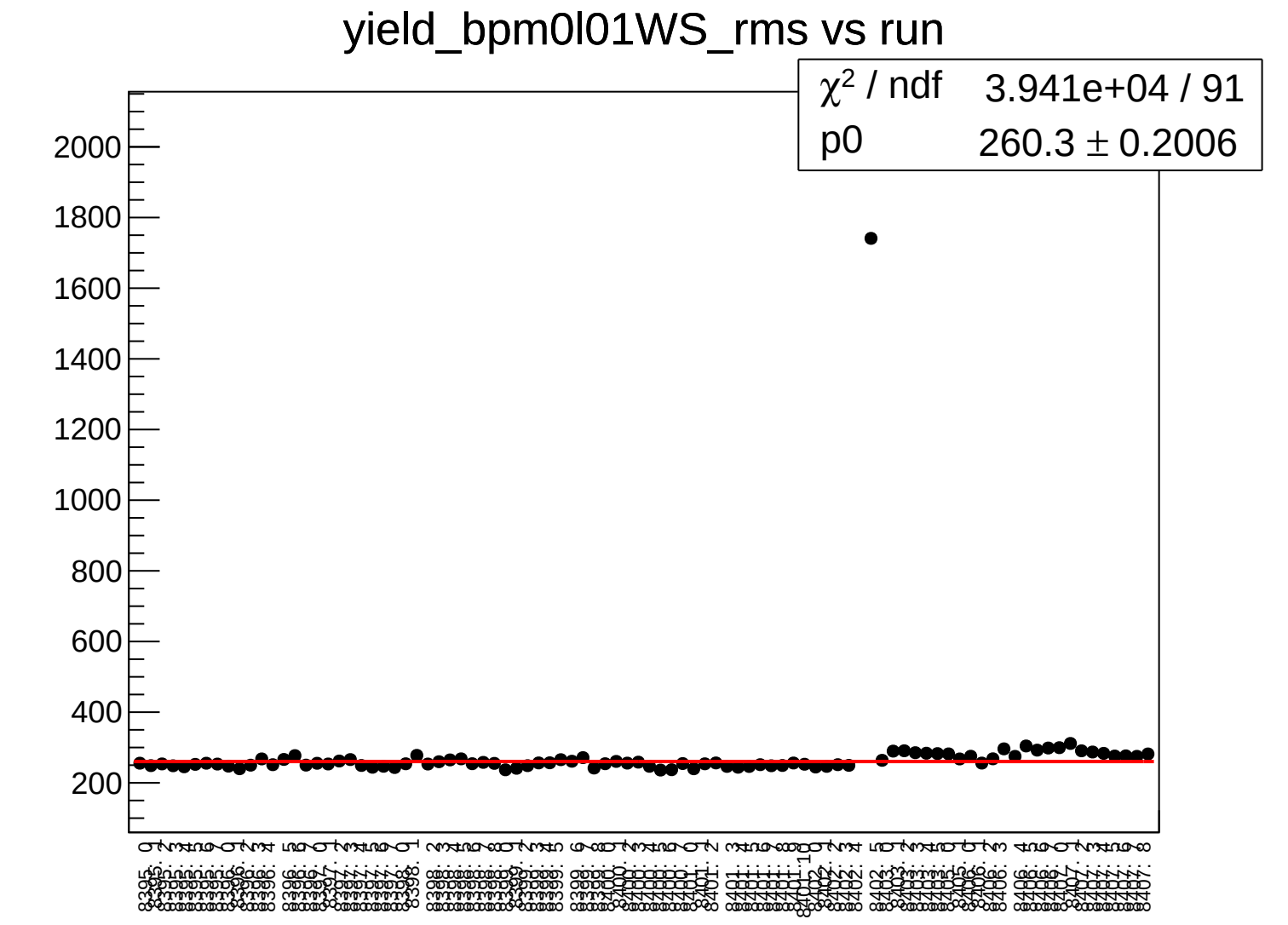

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 8.702e+04 / 91
p0 1.531e+05 ± 0.3594
153
152
151
150
149
pull
Entries 92
Mean 63.81
Std Dev 16.24
0
−50
−100
−150
−200

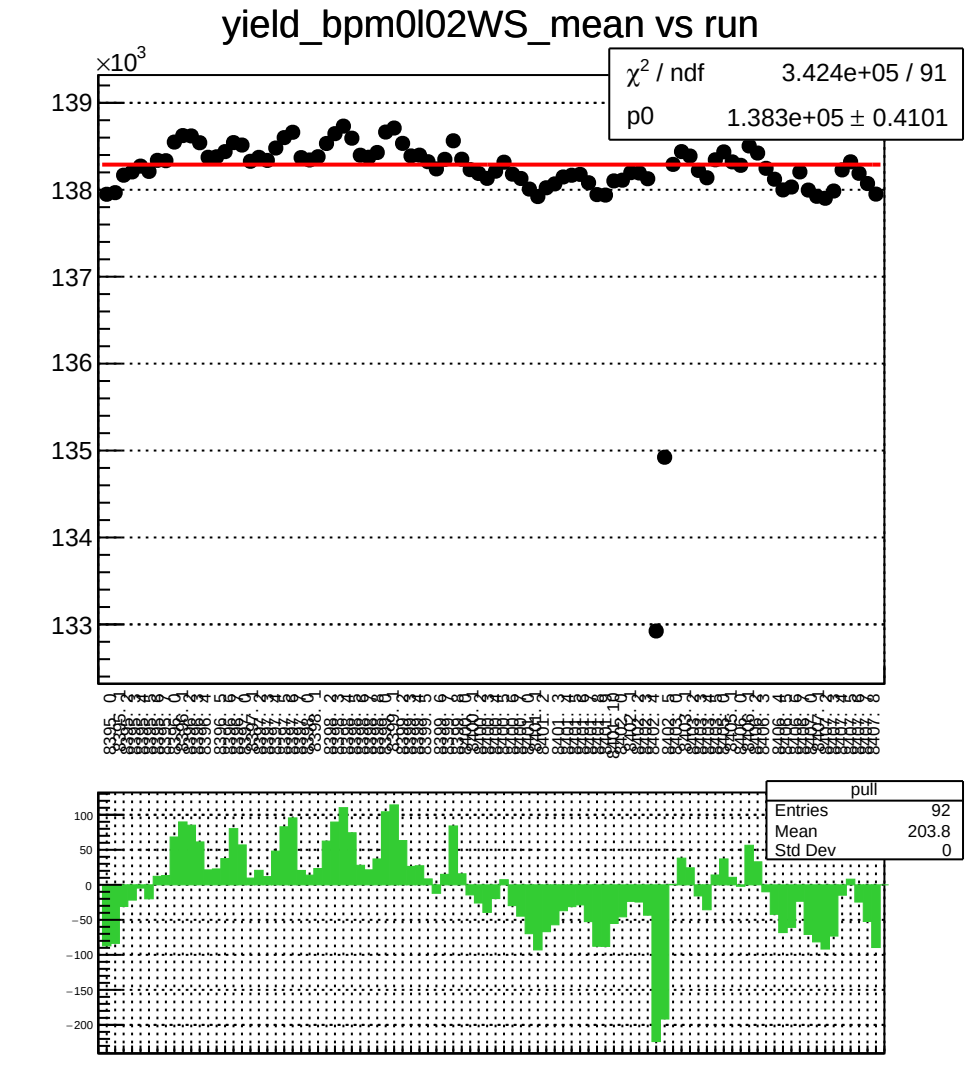

pull1D
Entries 92
Mean 1.454
Std Dev 4.146
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

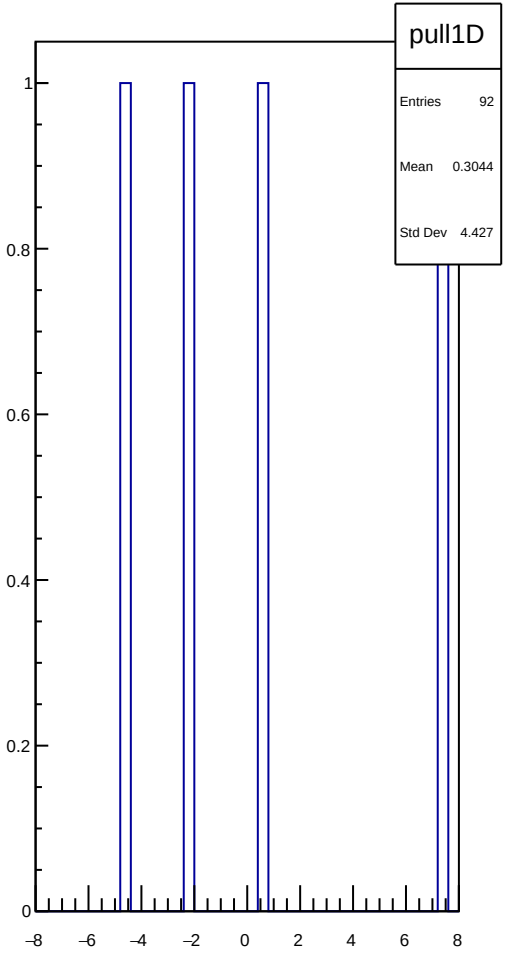

yield_bpm0i01aWS_rms vs run
χ² / ndf 3.262e+04 / 91
p0 330.5 ± 0.2541
2000
1800
1600
1400
1200
1000
800
600
400
200

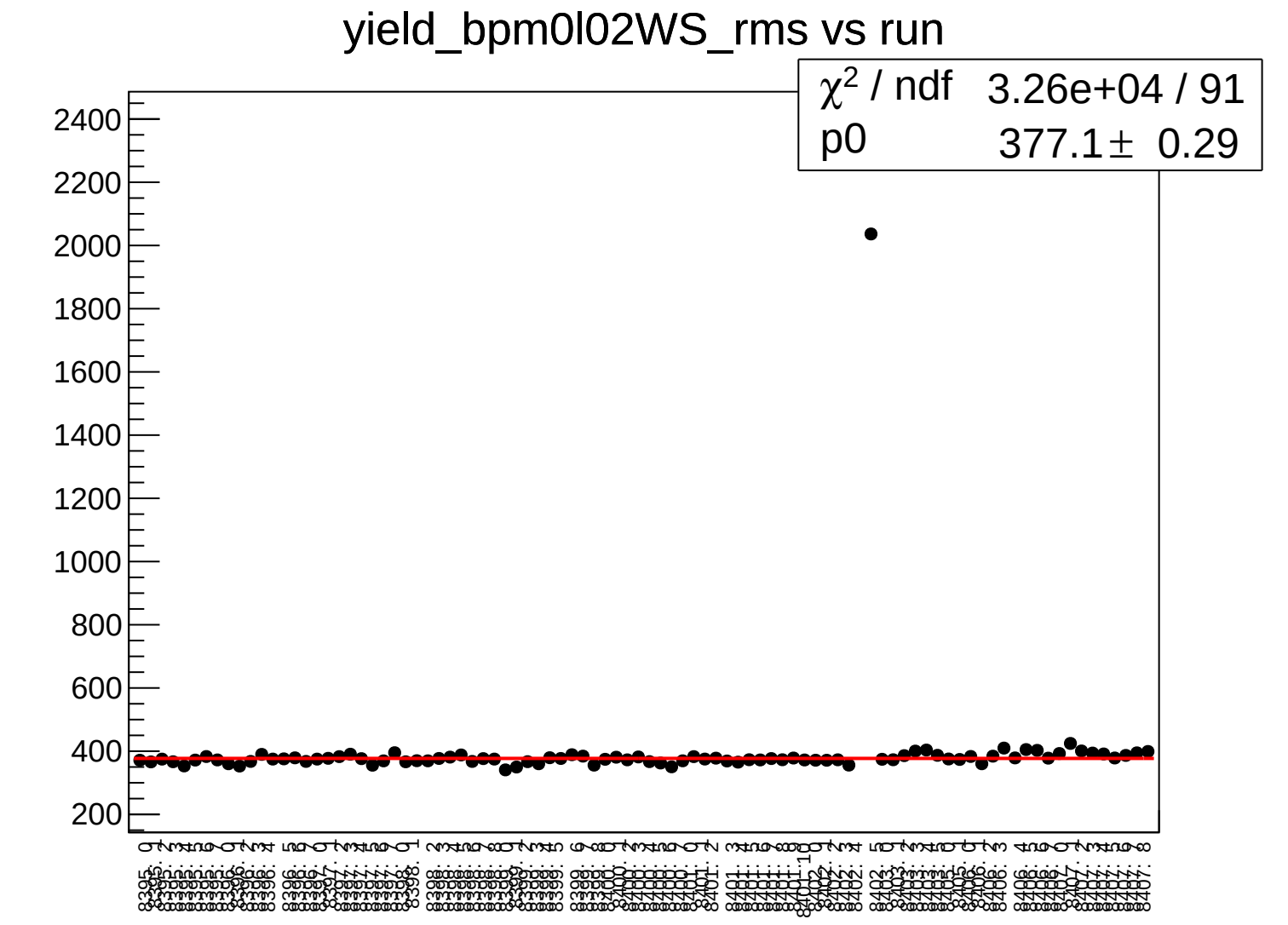

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.384e+05 / 91
p0 1.161e+05 ± 0.2837
116
115
114
113
112
pull
Entries 92
Mean 231.6
Std Dev 0
50
0
−50
−100
−150
−200

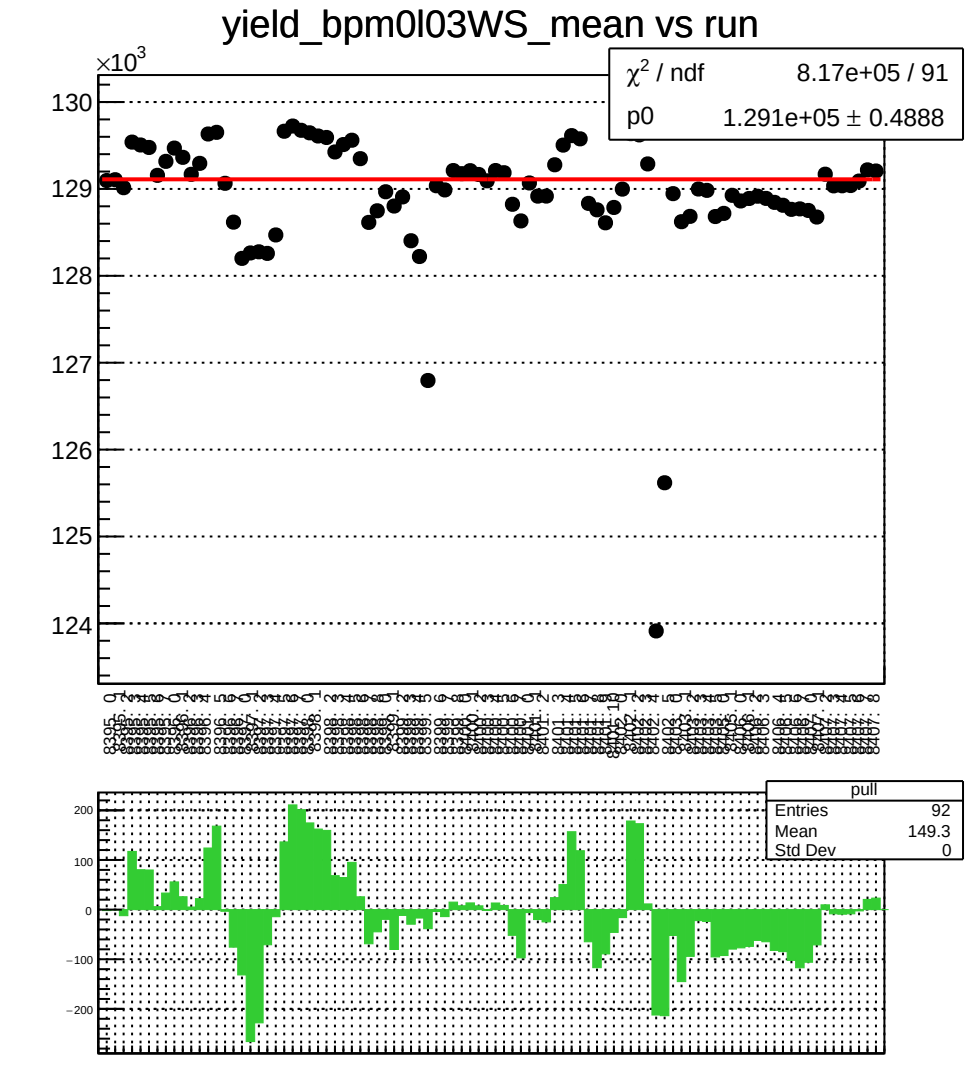

pull1D
Entries 92
Mean 0.9226
Std Dev 3.86
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

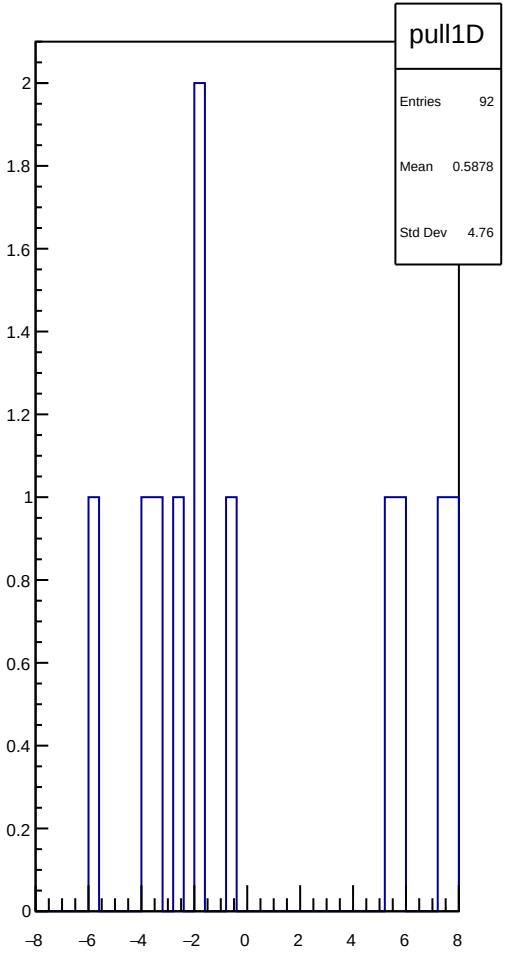

yield_bpm0l01WS_rms vs run
χ² / ndf 3.941e+04 / 91
p0 260.3 ± 0.2006
2000
1800
1600
1400
1200
1000
800
600
400
200

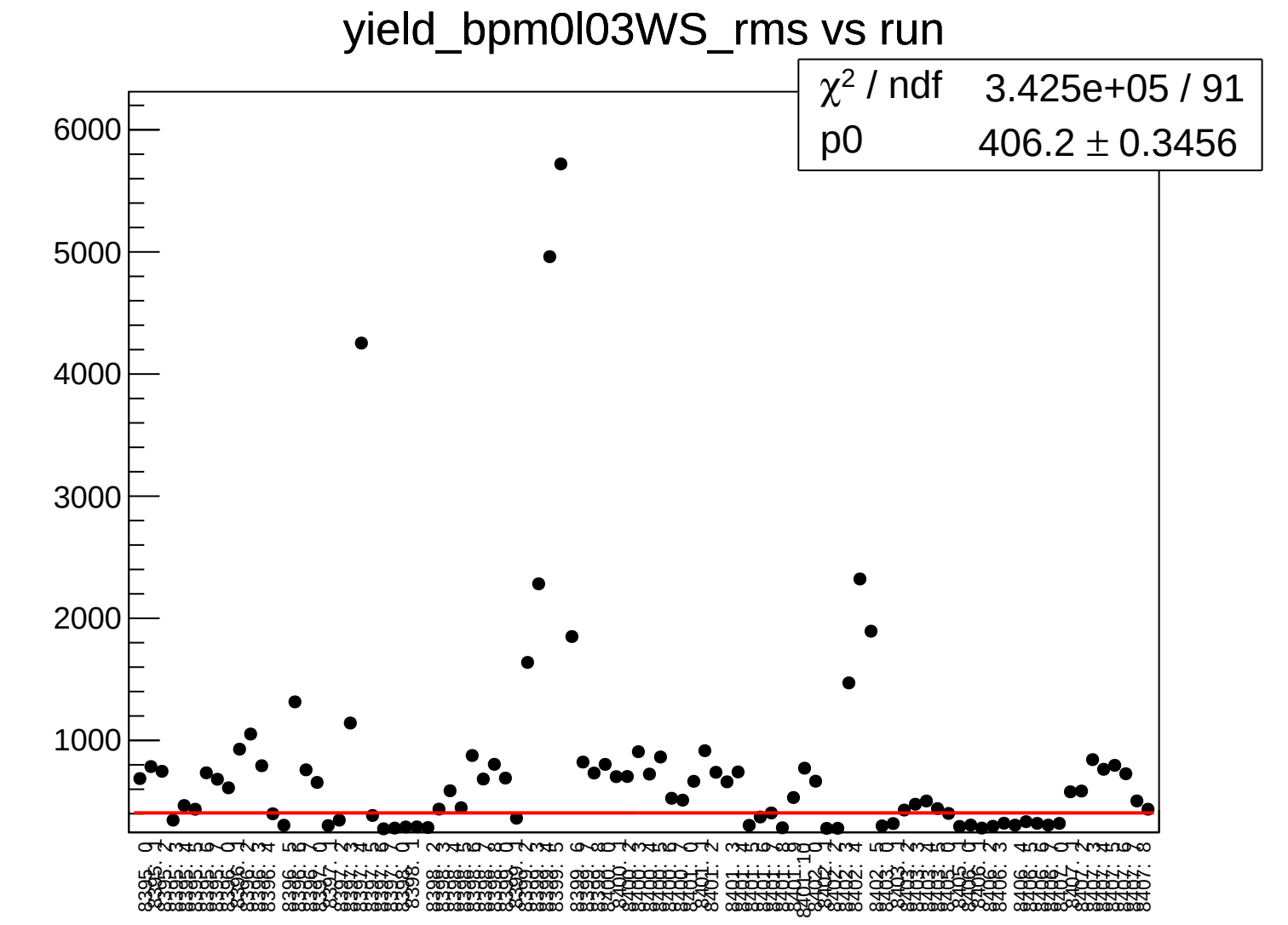

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 3.424e+05 / 91
p0 1.383e+05 ± 0.4101
139
138
137
136
135
134
133
pull
Entries 92
Mean 203.8
Std Dev 0
100
50
0
−50
−100
−150
−200

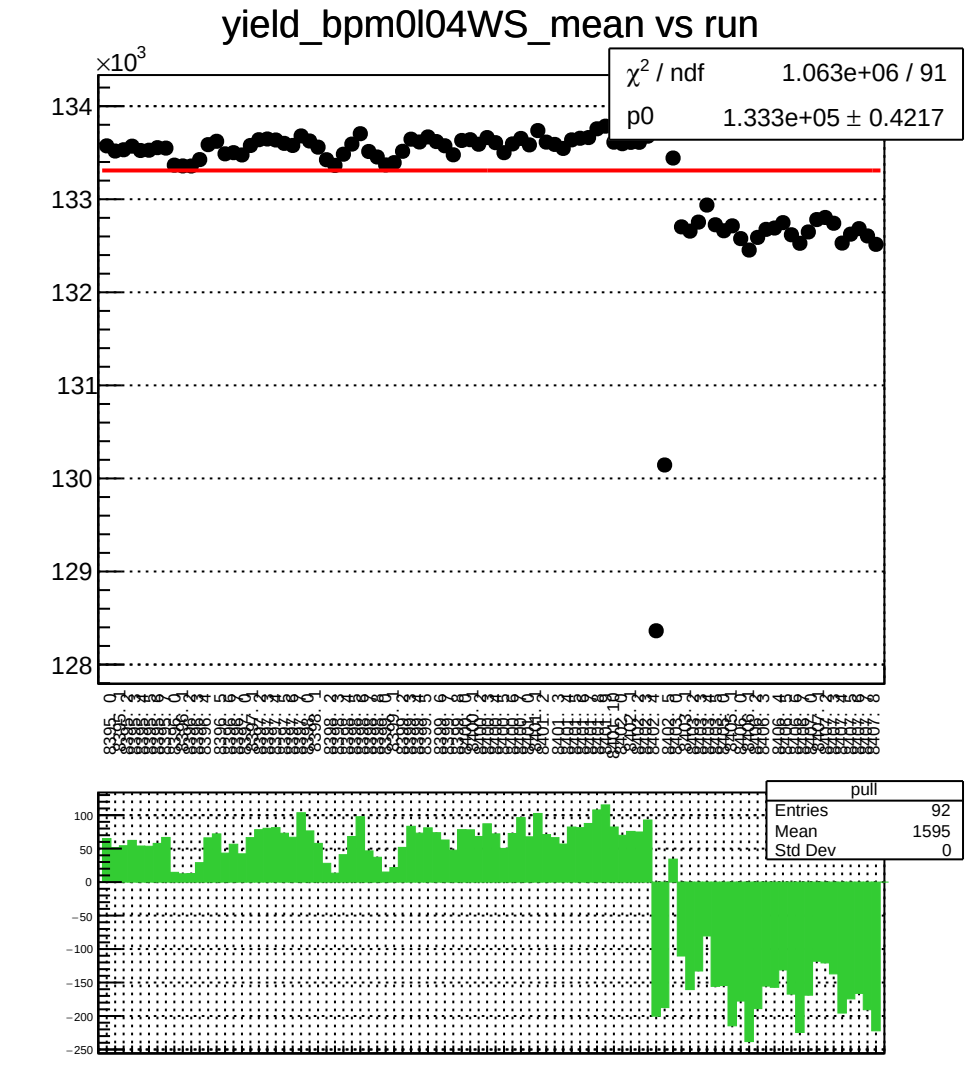

pull1D
Entries 92
Mean 0.3044
Std Dev 4.427
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

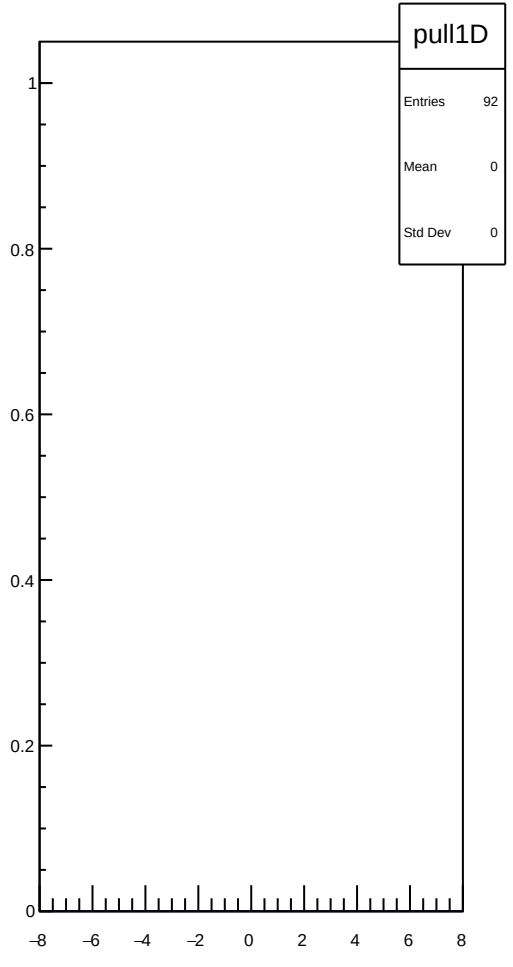

yield_bpm0l02WS_rms vs run
χ² / ndf 3.26e+04 / 91
p0 377.1 ± 0.29
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

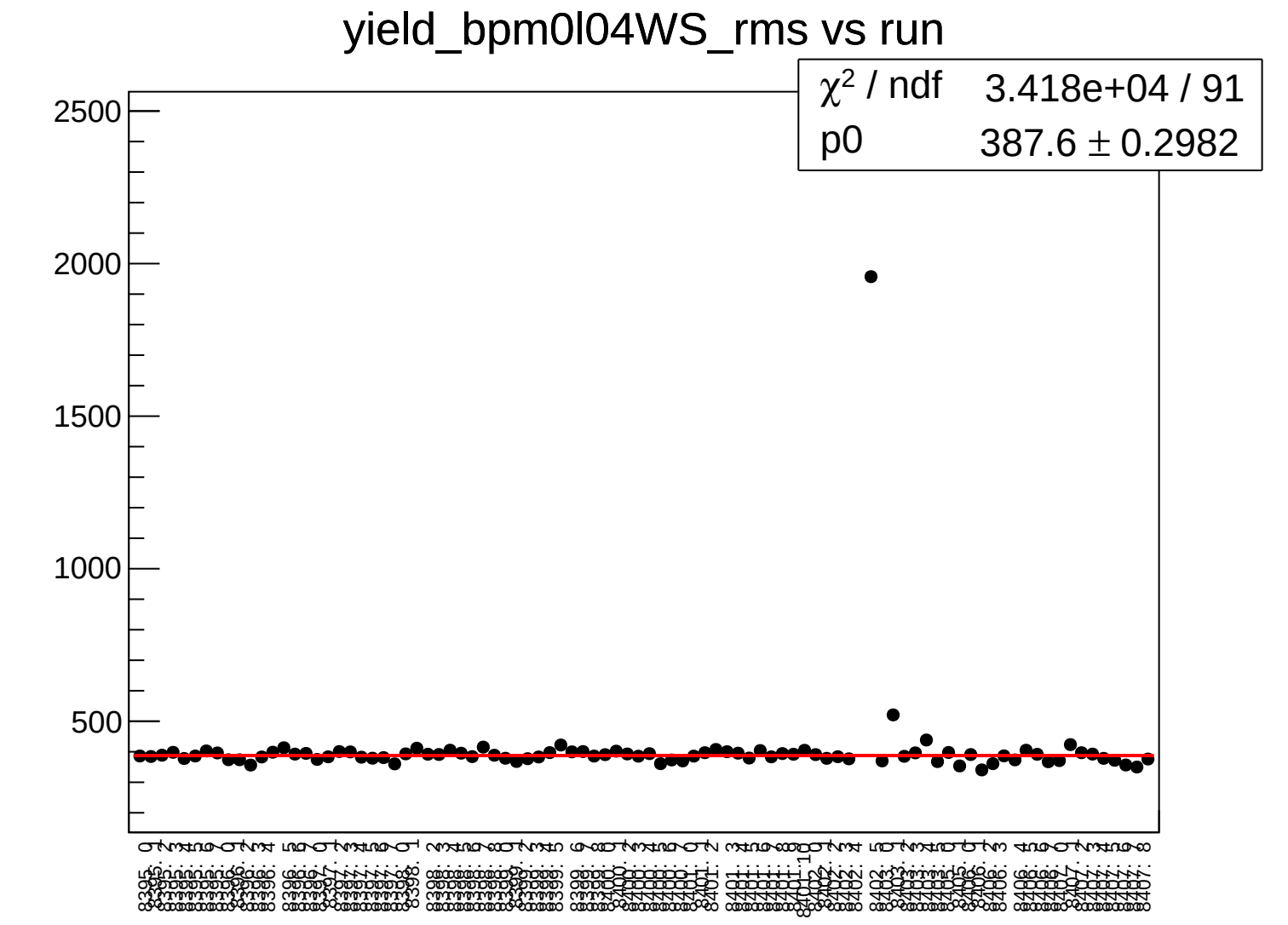

yield_bpm0l03WS_mean vs run
×10^3
130
129
128
127
126
125
124
χ² / ndf 8.17e+05 / 91
p0 1.291e+05 ± 0.4888
pull
Entries 92
Mean 149.3
Std Dev 0
200
100
0
−100
−200

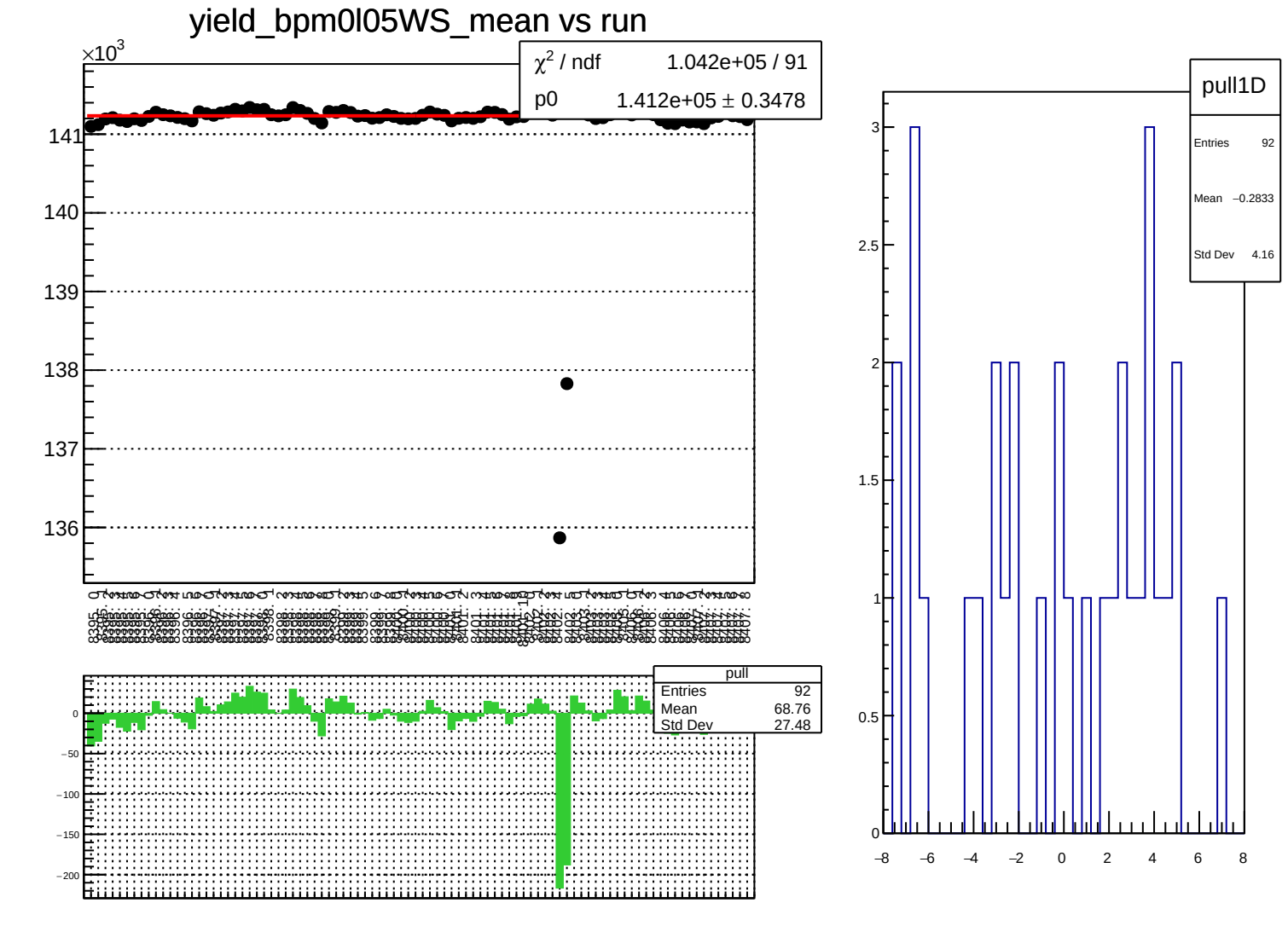

pull1D
Entries 92
Mean 0.5878
Std Dev 4.76
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

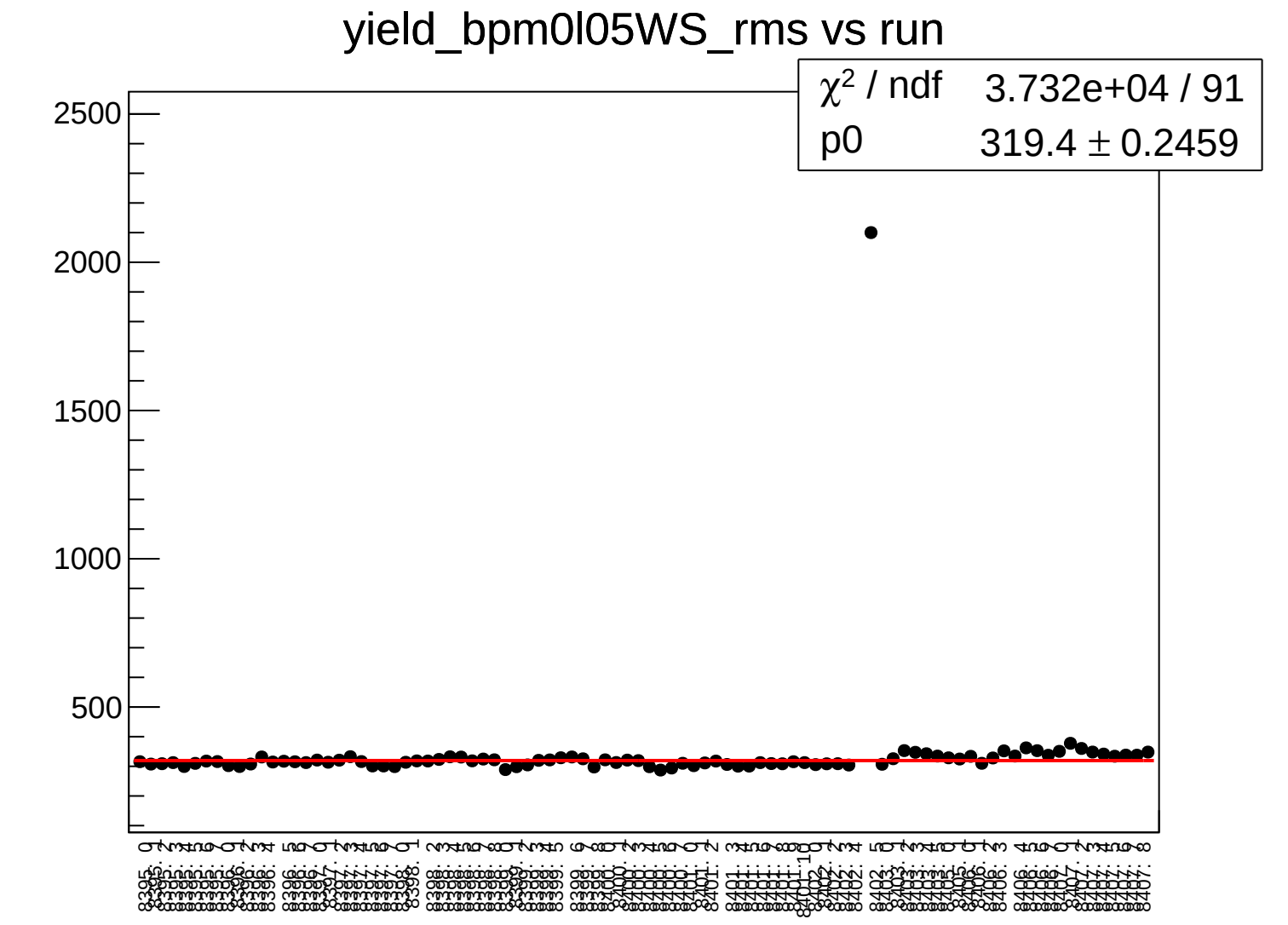

yield_bpm0l03WS_rms vs run
χ² / ndf 3.425e+05 / 91
p0 406.2 ± 0.3456
6000
5000
4000
3000
2000
1000

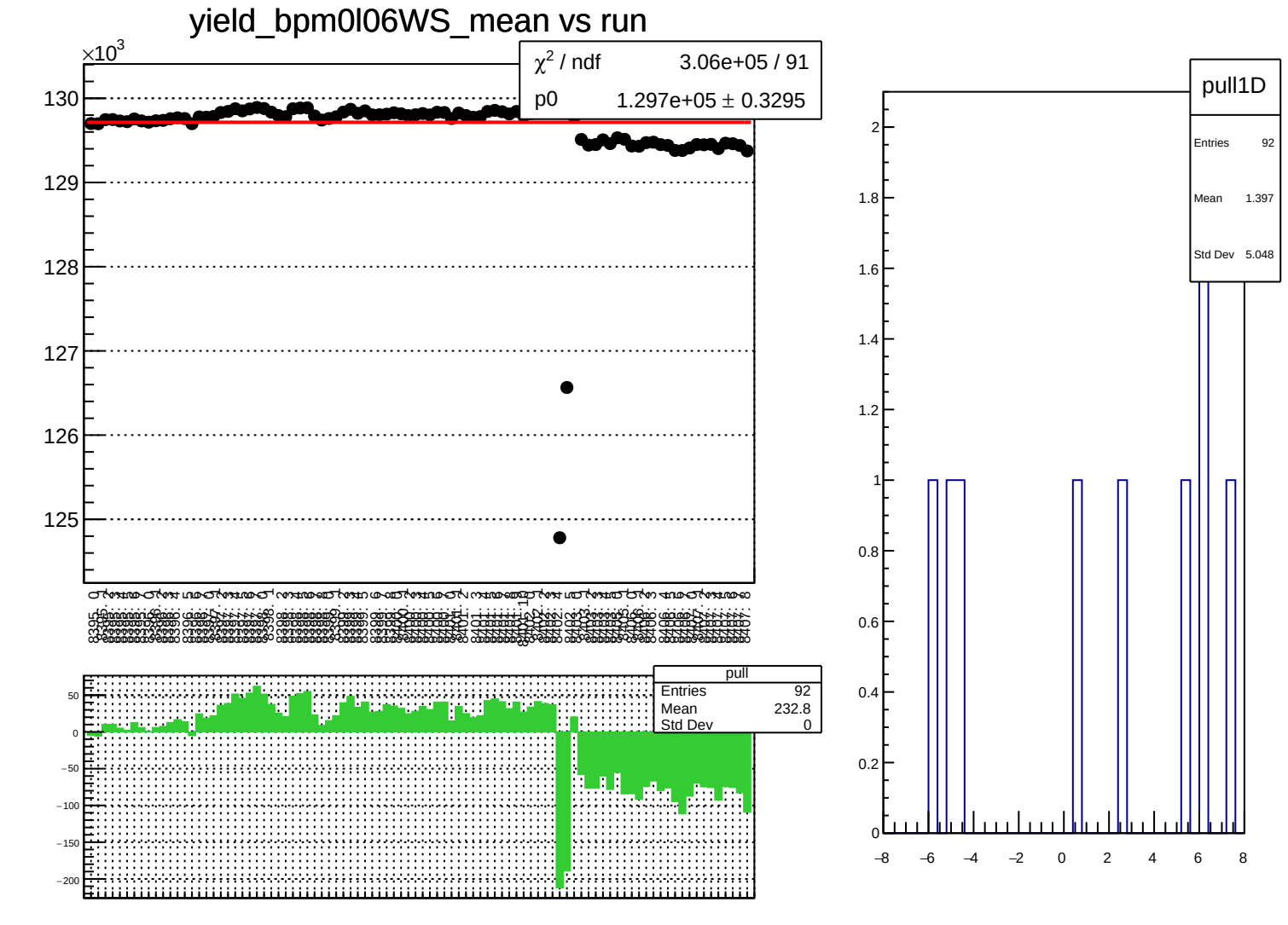

yield_bpm0l04WS_mean vs run
×10^3
χ^2 / ndf 1.063e+06 / 91
p0 1.333e+05 ± 0.4217
134
133
132
131
130
129
128
pull
Entries 92
Mean 1595
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

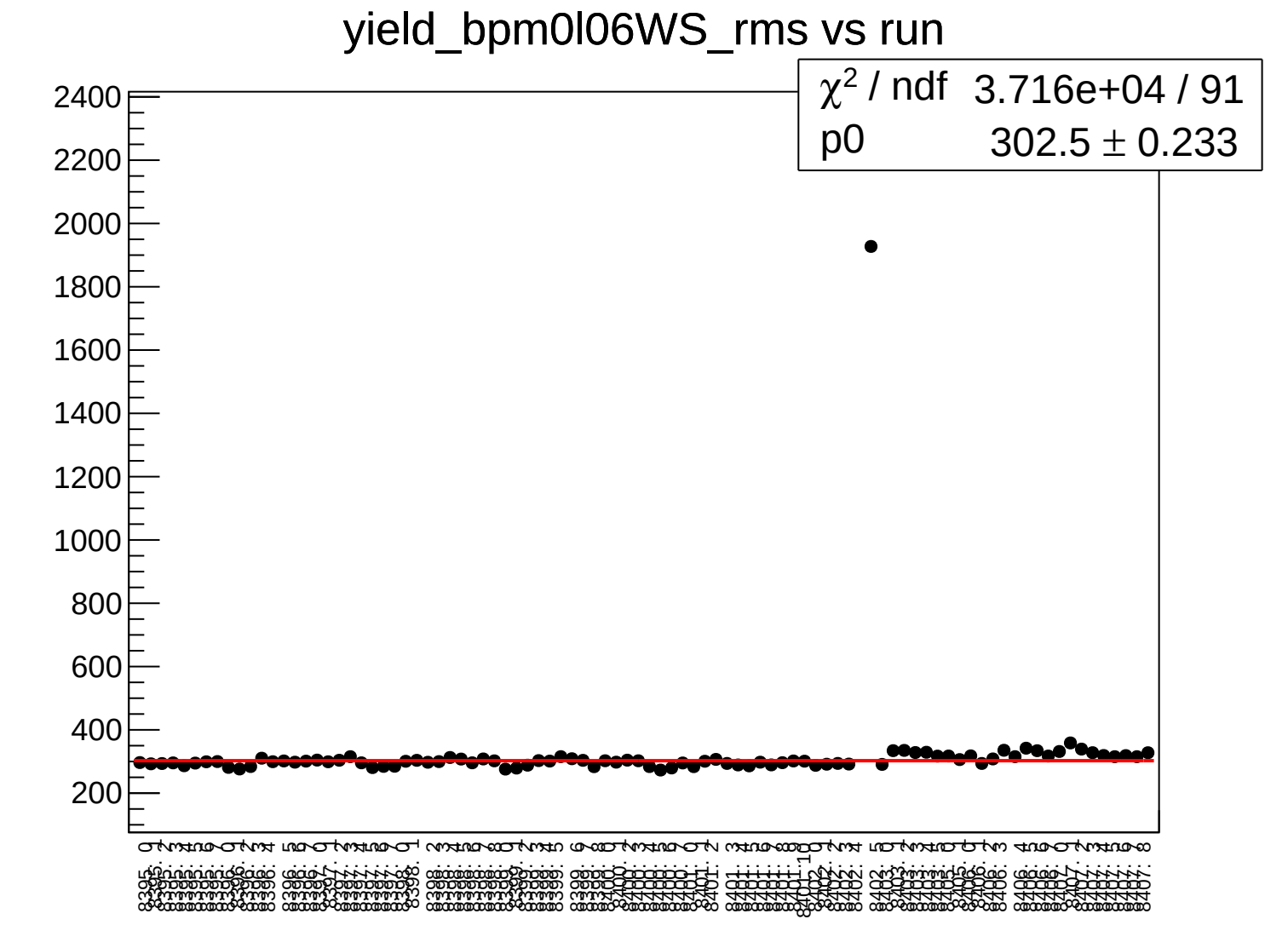

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

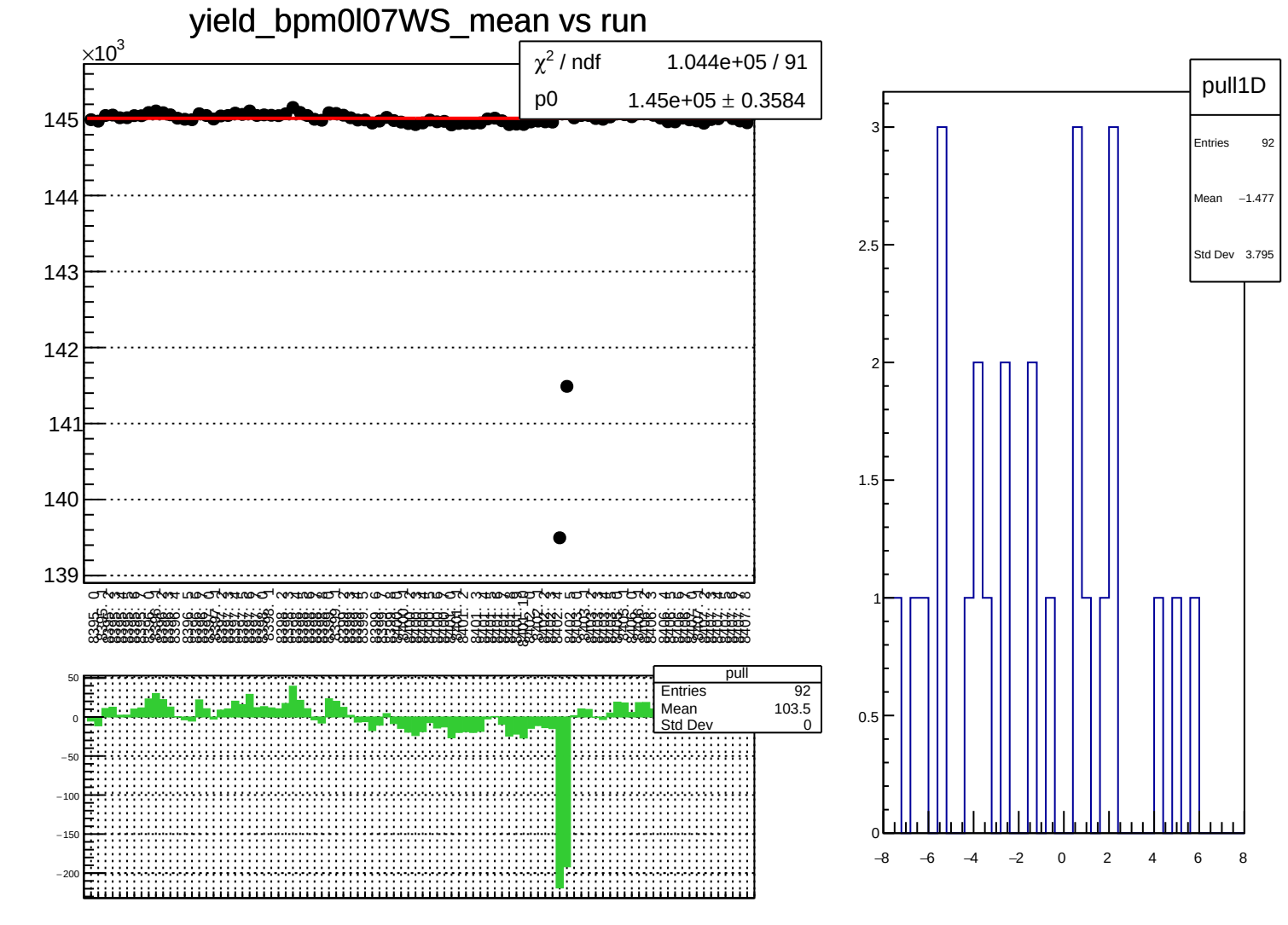

yield_bpm0l04WS_rms vs run
χ² / ndf 3.418e+04 / 91
p0 387.6 ± 0.2982
2500
2000
1500
1000
500

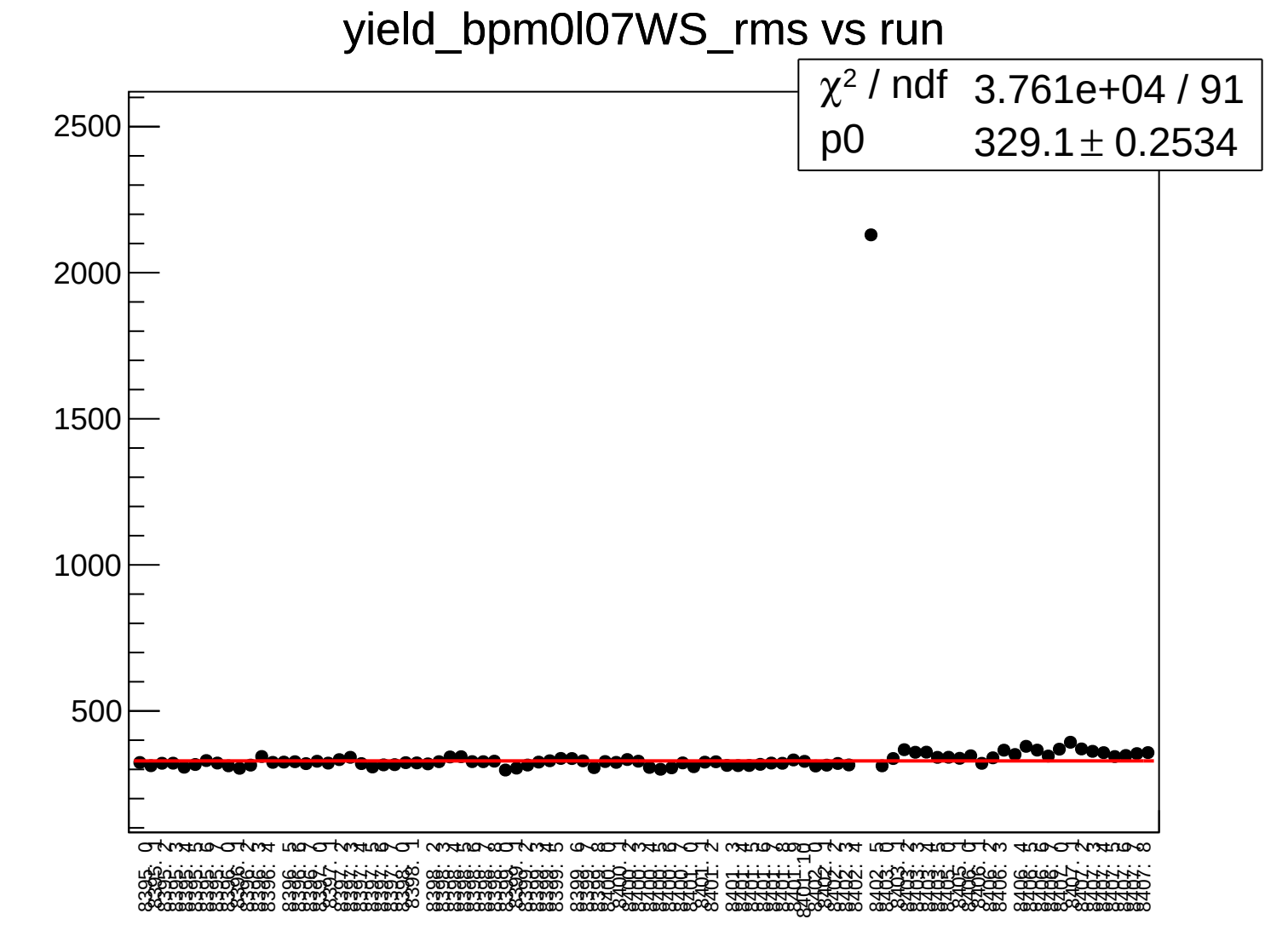

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 1.042e+05 / 91
p0 1.412e+05 ± 0.3478
141
140
139
138
137
136
pull
Entries 92
Mean 68.76
Std Dev 27.48
0
−50
−100
−150
−200
pull1D
Entries 92
Mean −0.2833
Std Dev 4.16
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

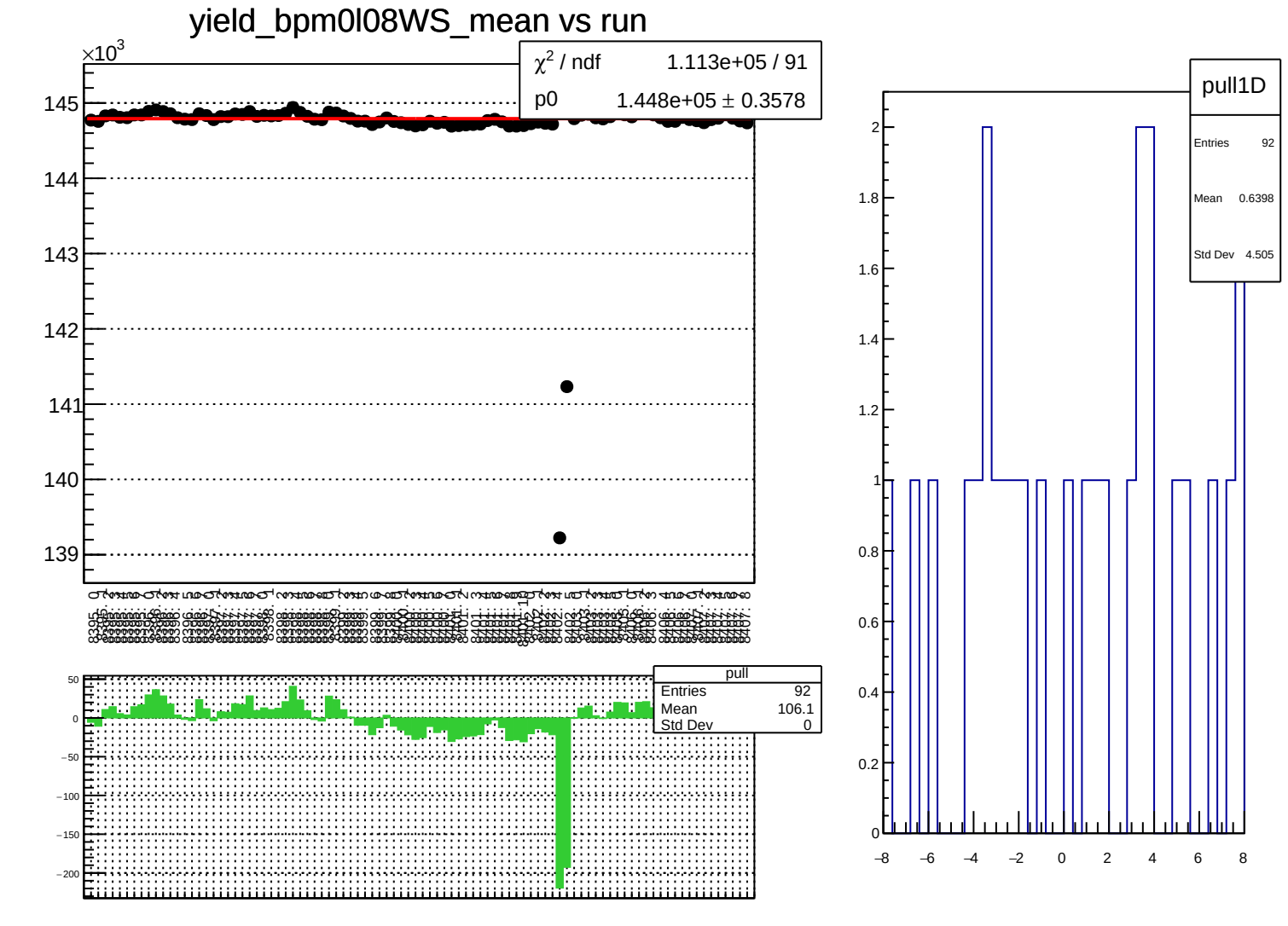

yield_bpm0l05WS_rms vs run
χ² / ndf 3.732e+04 / 91
p0 319.4 ± 0.2459
2500
2000
1500
1000
500

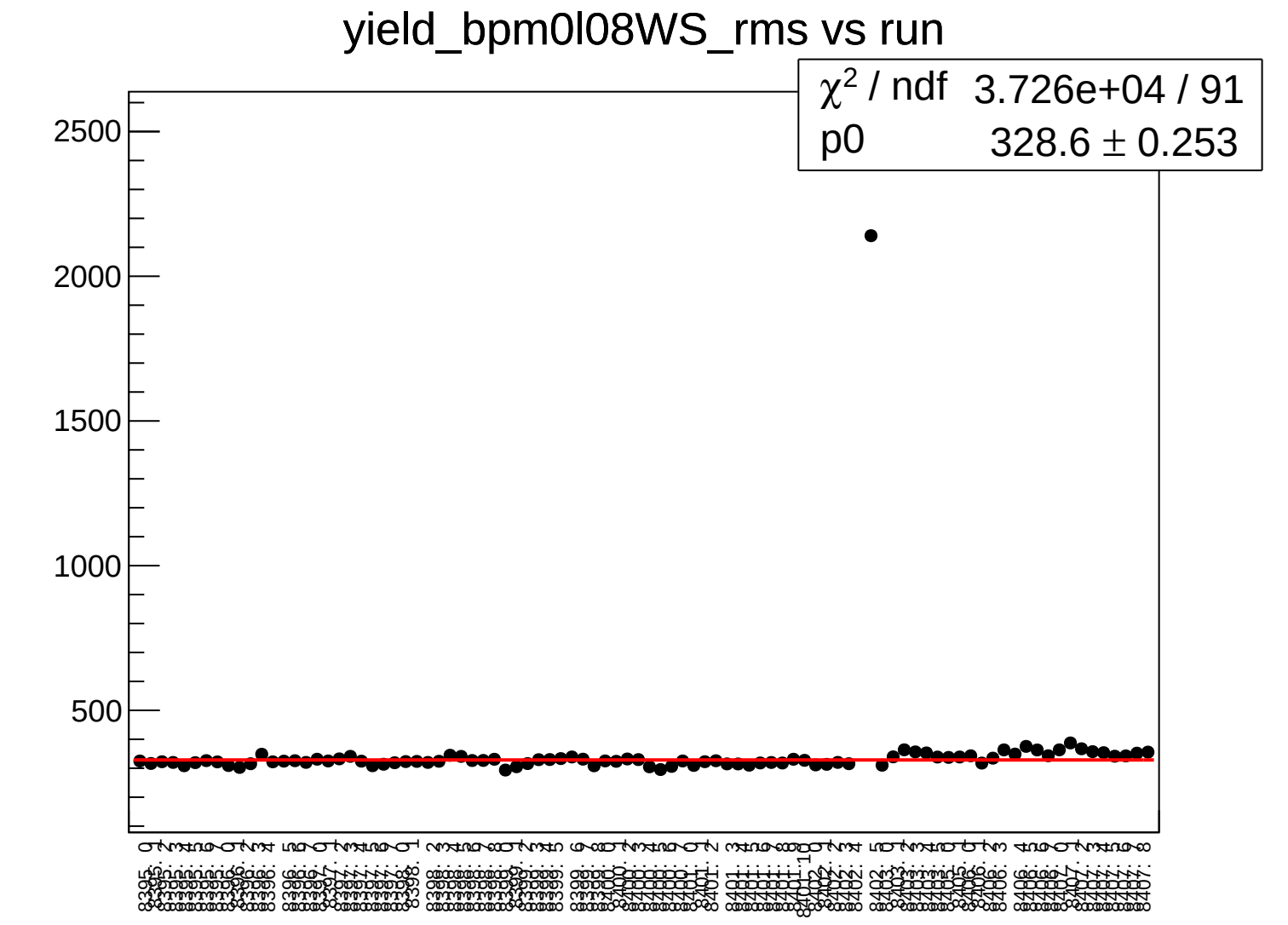

yield_bpm0l06WS_mean vs run
×10^3
130
129
128
127
126
125
χ² / ndf 3.06e+05 / 91
p0 1.297e+05 ± 0.3295
pull
Entries 92
Mean 232.8
Std Dev 0
50
0
−50
−100
−150
−200
pull1D
Entries 92
Mean 1.397
Std Dev 5.048
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

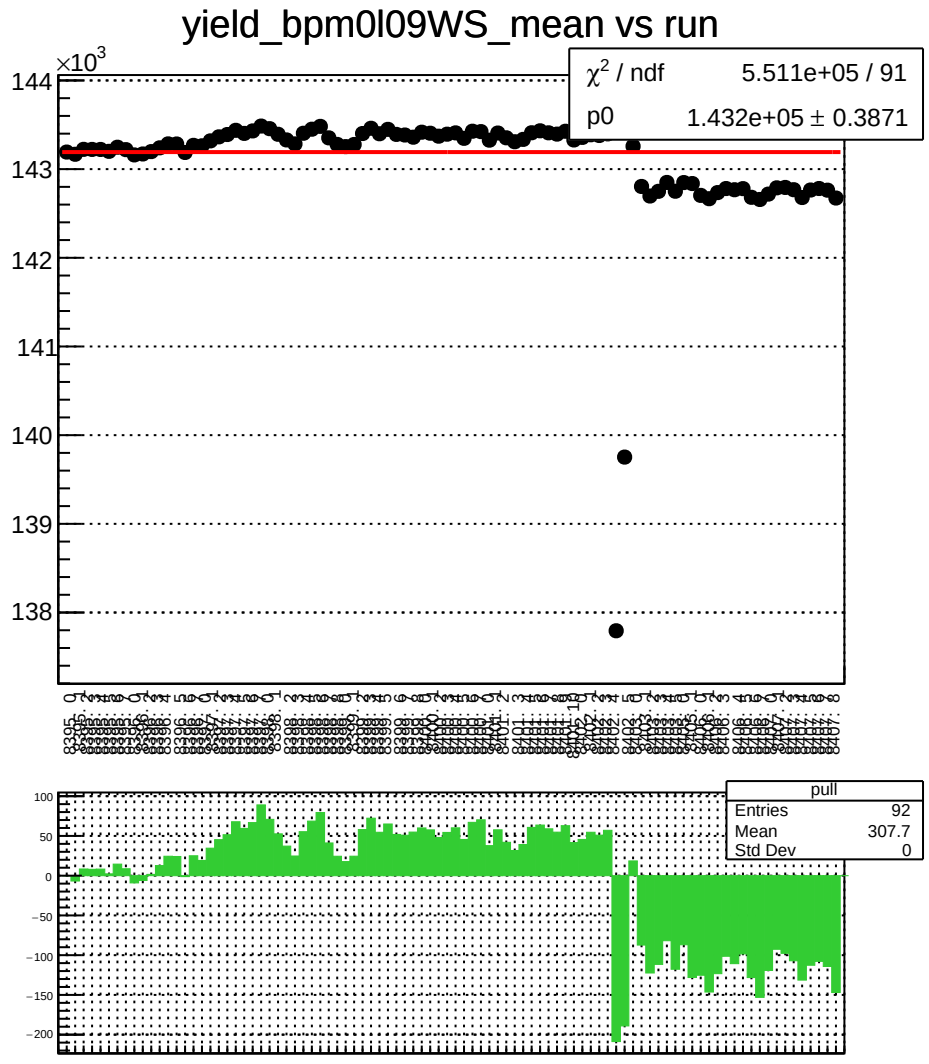

yield_bpm0l06WS_rms vs run
χ² / ndf 3.716e+04 / 91
p0 302.5 ± 0.233
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

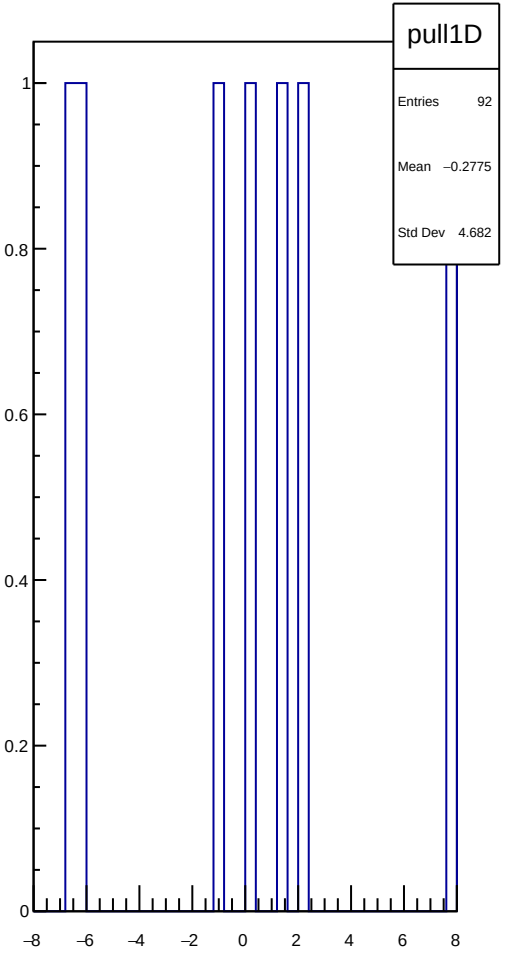

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.044e+05 / 91
p0 1.45e+05 ± 0.3584
145
144
143
142
141
140
139
pull
Entries 92
Mean 103.5
Std Dev 0
50
0
−50
−100
−150
−200
pull1D
Entries 92
Mean −1.477
Std Dev 3.795
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

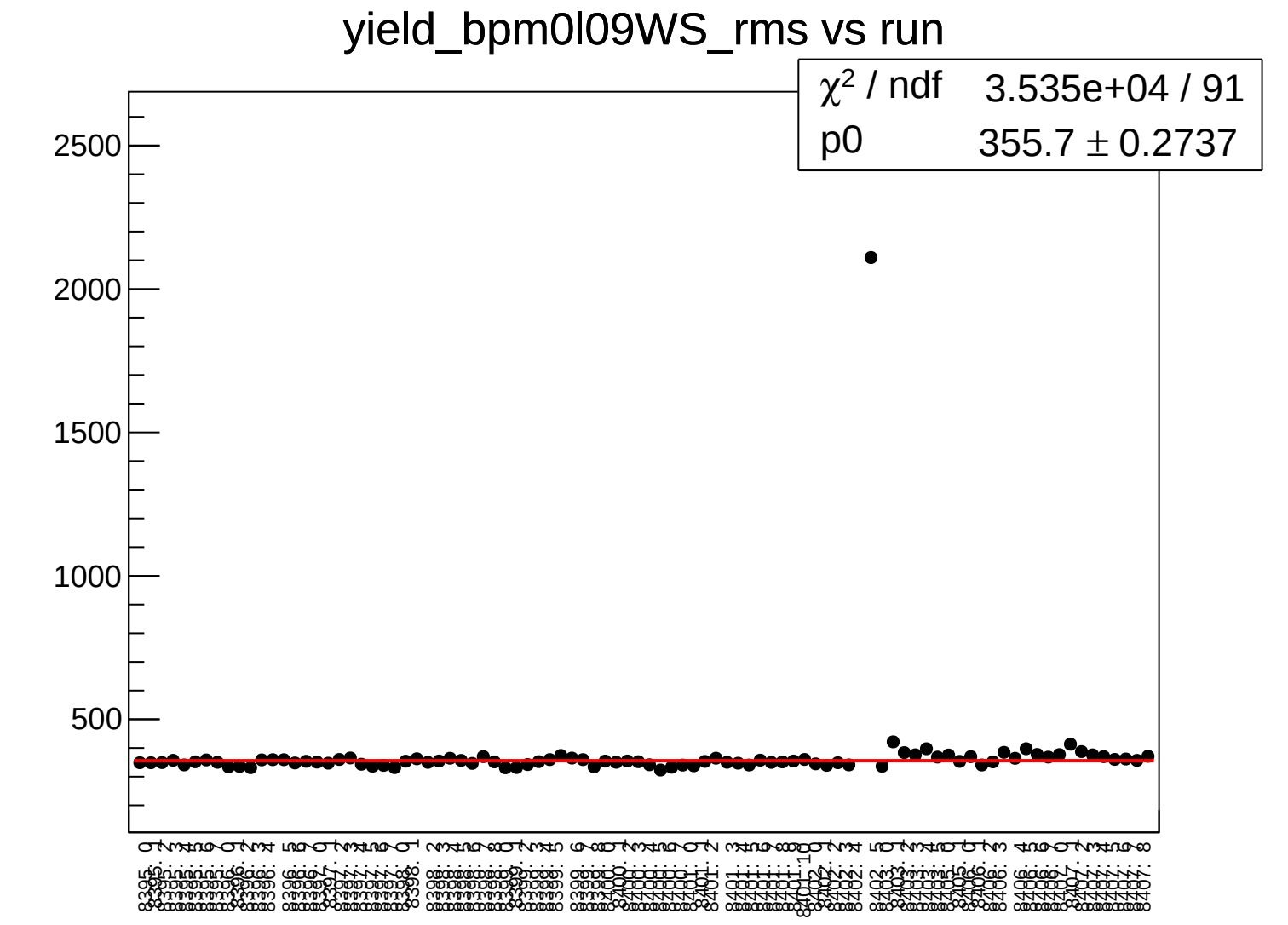

yield_bpm0l07WS_rms vs run
χ² / ndf 3.761e+04 / 91
p0 329.1 ± 0.2534
2500
2000
1500
1000
500

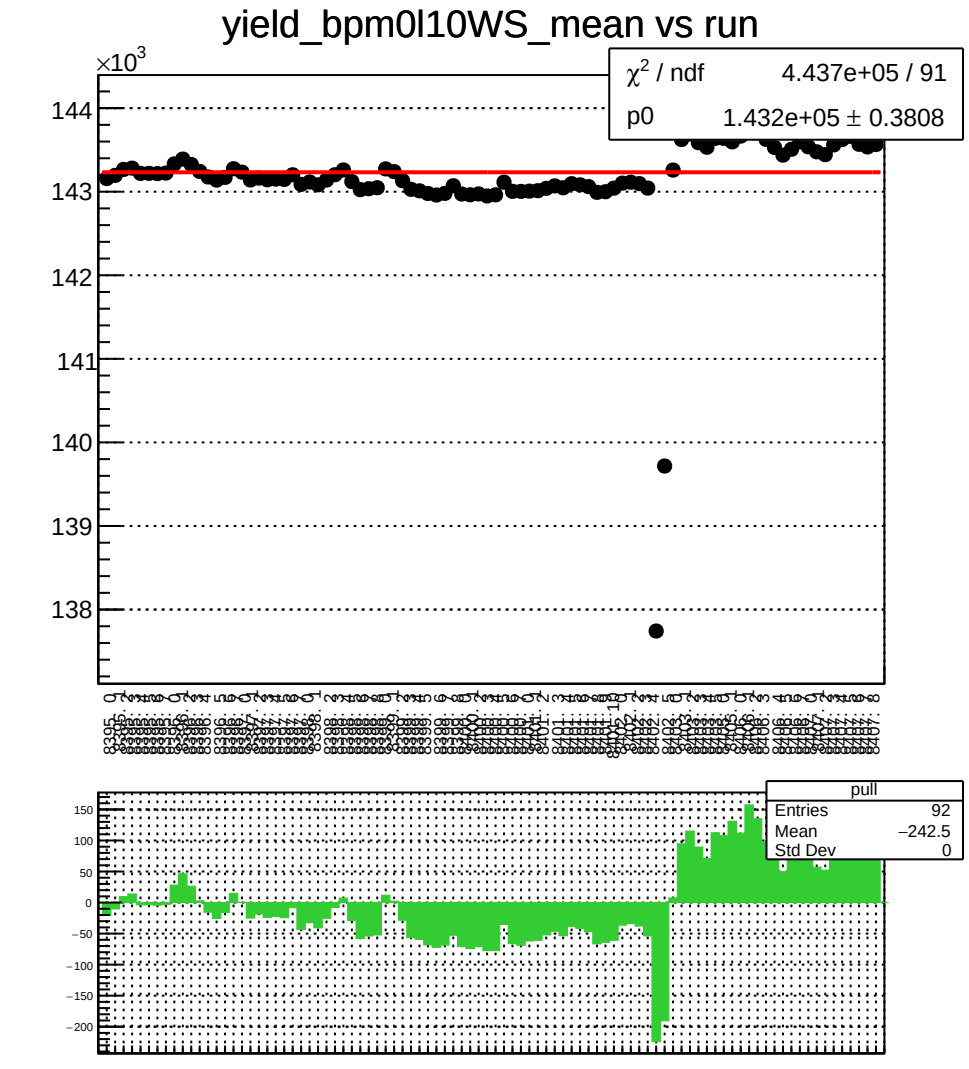

yield_bpm0l08WS_mean vs run
×10^3
χ^2 / ndf 1.113e+05 / 91
p0 1.448e+05 ± 0.3578
145
144
143
142
141
140
139
pull
Entries 92
Mean 106.1
Std Dev 0
50
0
−50
−100
−150
−200
pull1D
Entries 92
Mean 0.6398
Std Dev 4.505
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

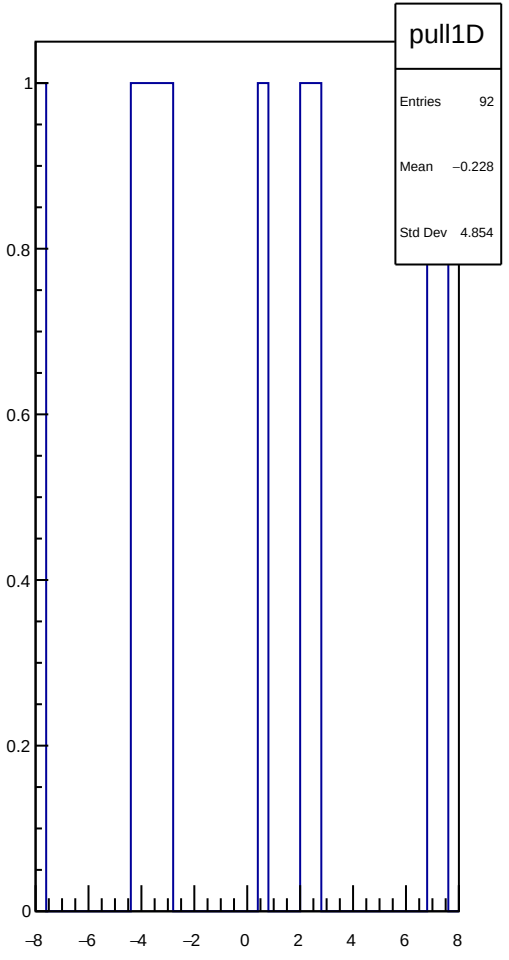

yield_bpm0l08WS_rms vs run
χ² / ndf 3.726e+04 / 91
p0 328.6 ± 0.253
2500
2000
1500
1000
500

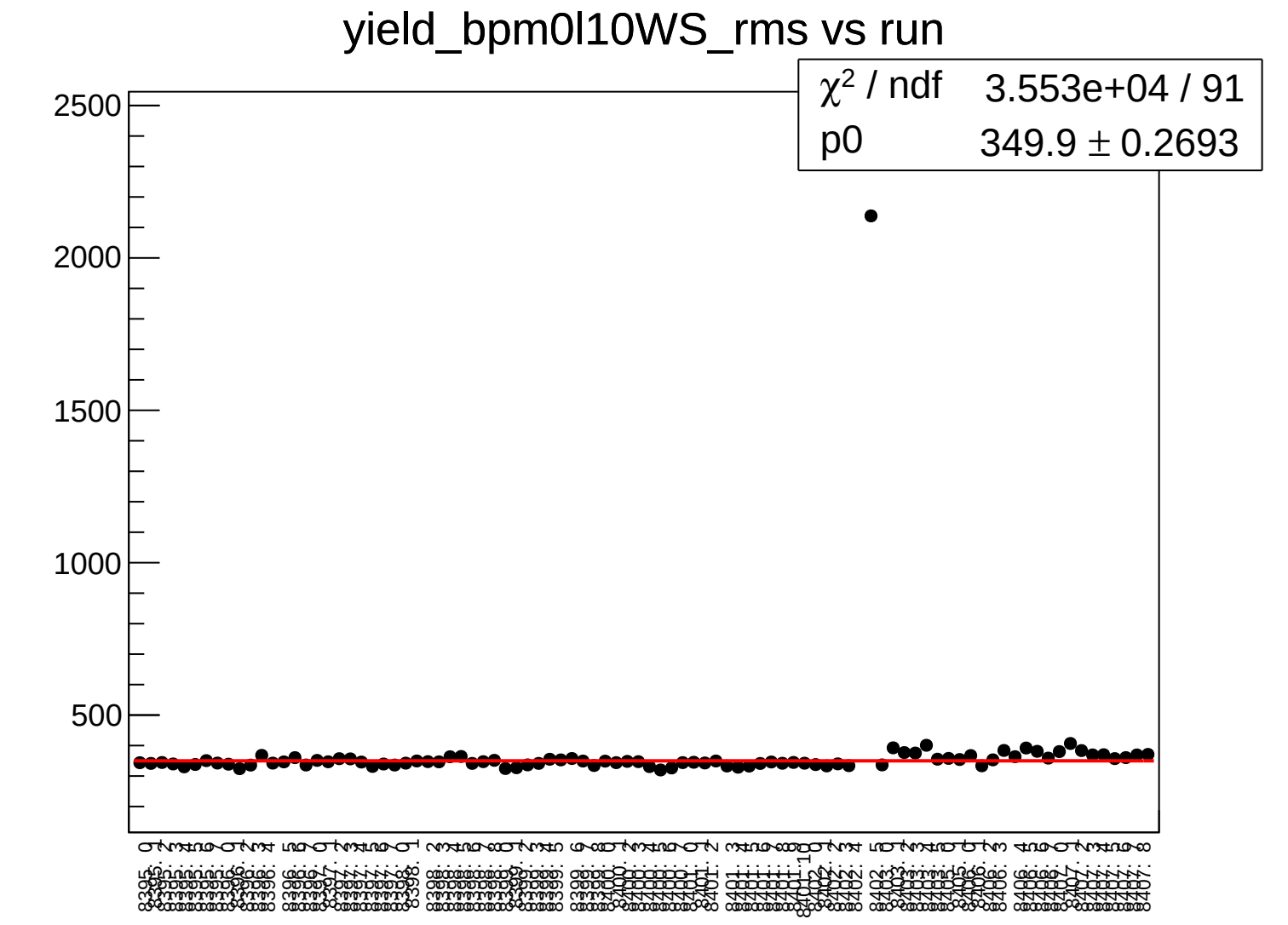

yield_bpm0l09WS_mean vs run
×10^3
144
143
142
141
140
139
138
χ² / ndf 5.511e+05 / 91
p0 1.432e+05 ± 0.3871
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 307.7
Std Dev 0

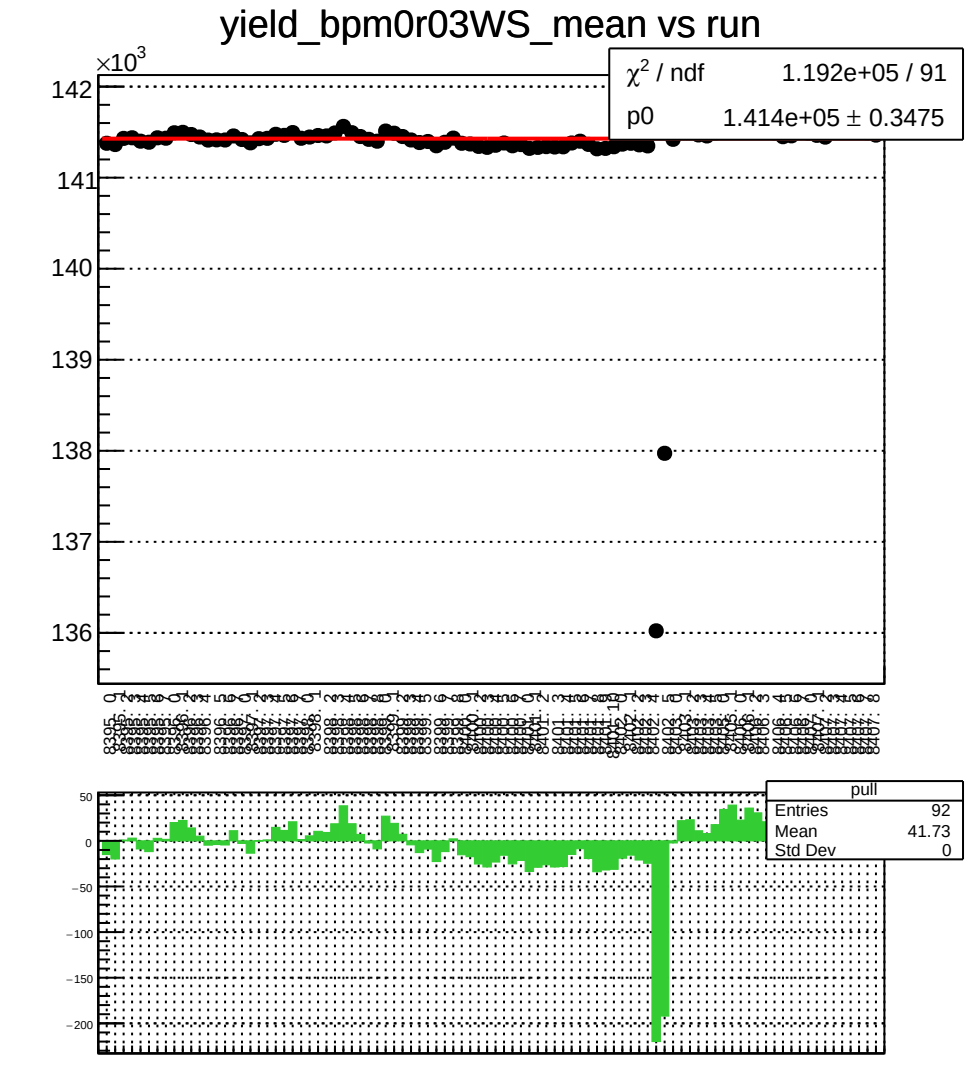

pull1D
Entries 92
Mean −0.2775
Std Dev 4.682
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

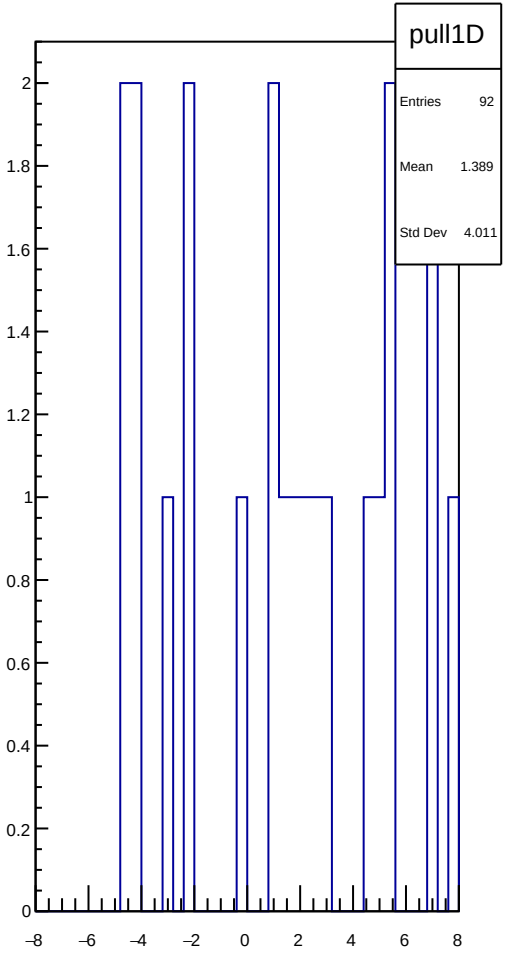

yield_bpm0l09WS_rms vs run
χ² / ndf 3.535e+04 / 91
p0 355.7 ± 0.2737
2500
2000
1500
1000
500

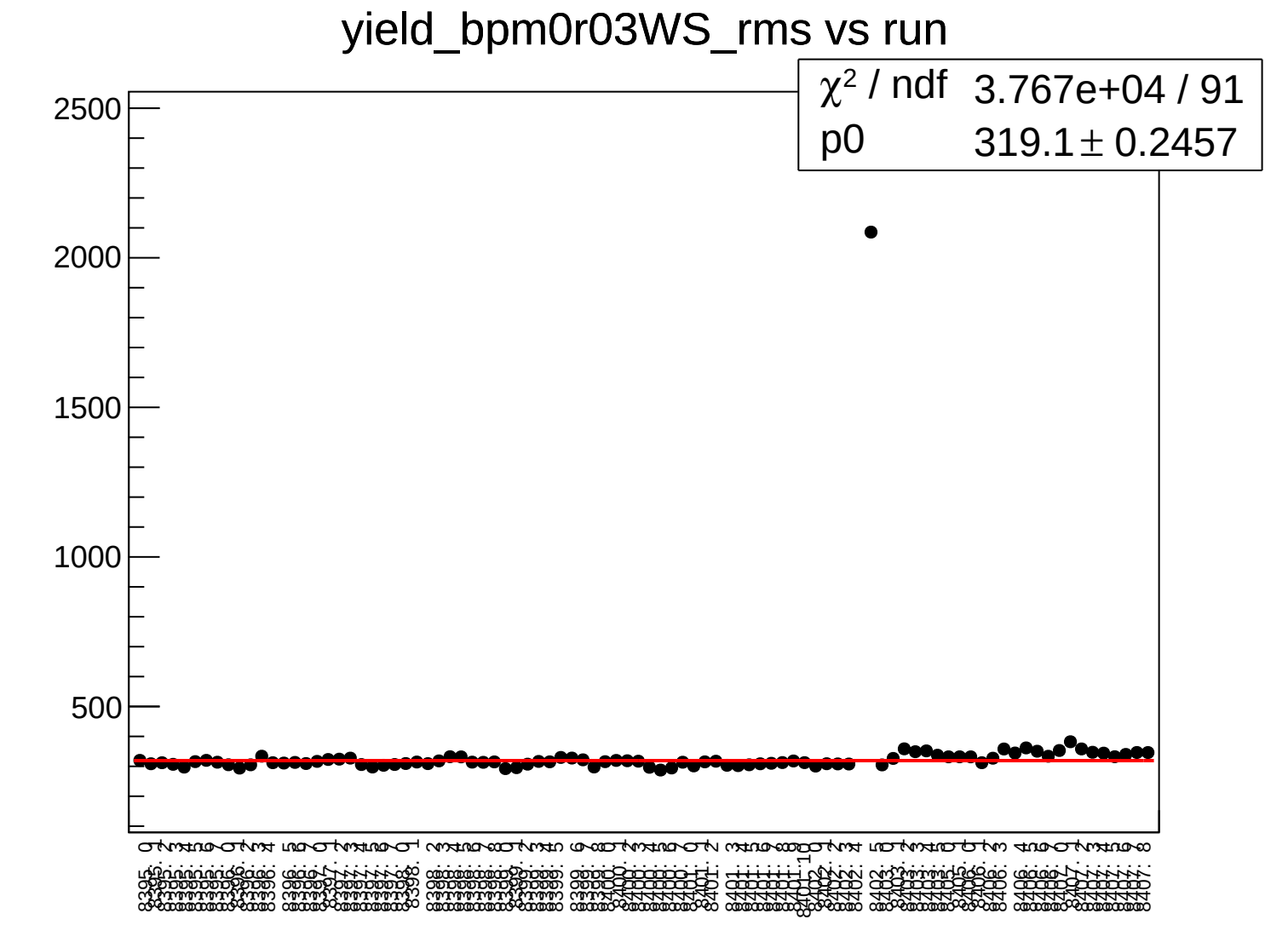

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 4.437e+05 / 91
p0 1.432e+05 ± 0.3808
144
143
142
141
140
139
138
pull
Entries 92
Mean −242.5
Std Dev 0
150
100
50
0
−50
−100
−150
−200

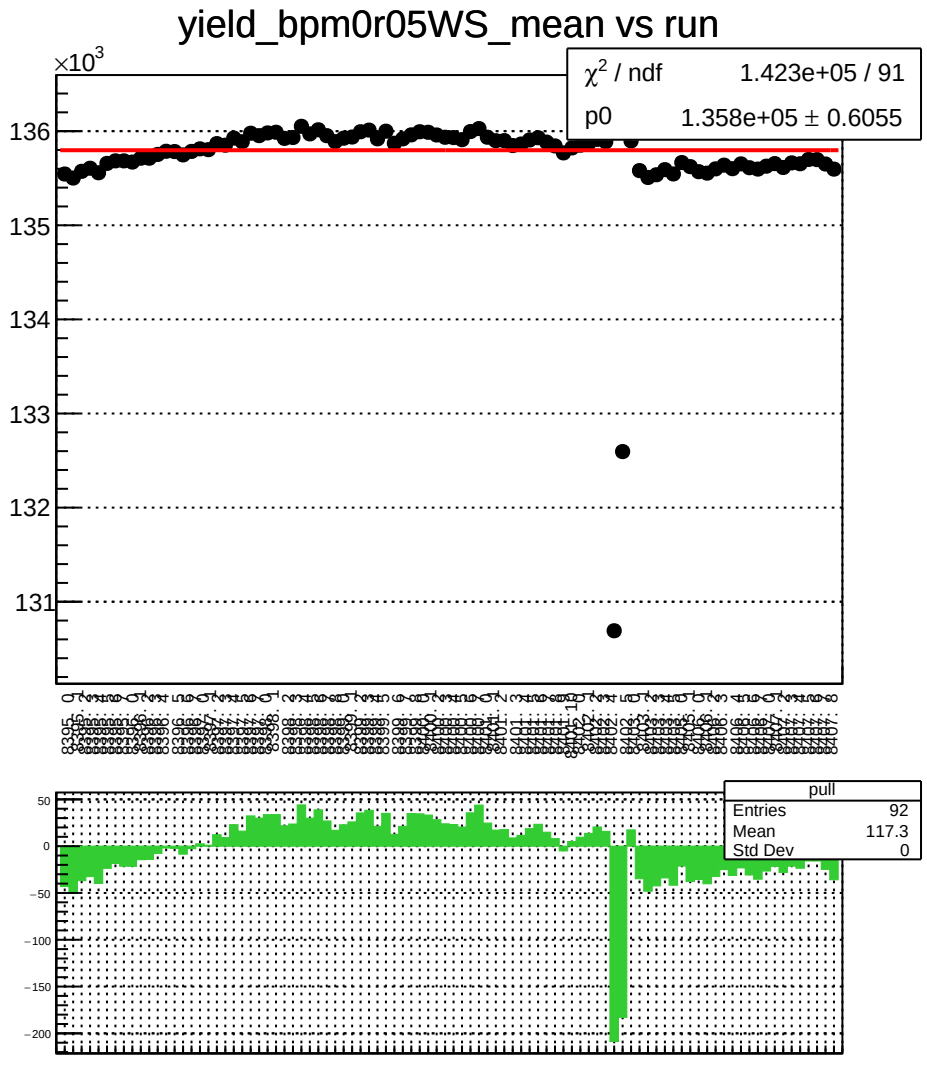

pull1D
Entries 92
Mean −0.228
Std Dev 4.854
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

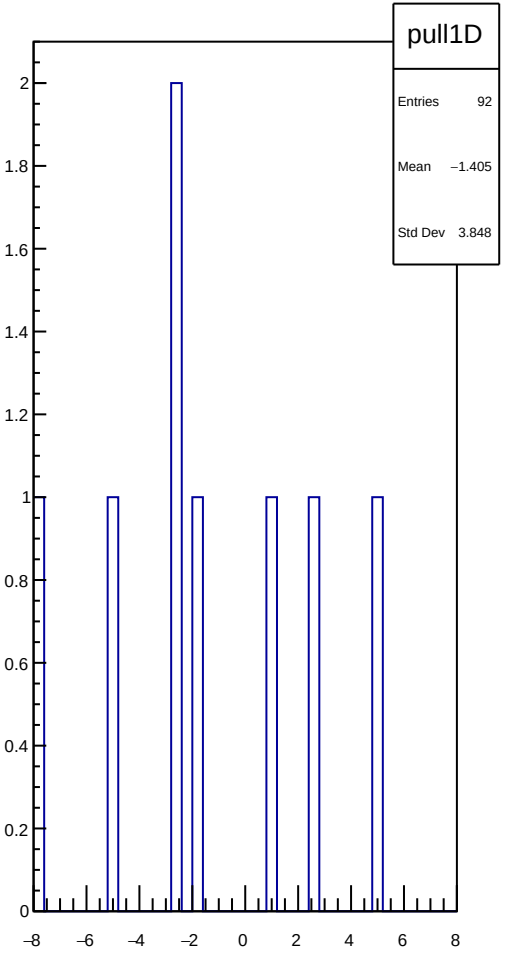

yield_bpm0l10WS_rms vs run
χ² / ndf 3.553e+04 / 91
p0 349.9 ± 0.2693
2500
2000
1500
1000
500

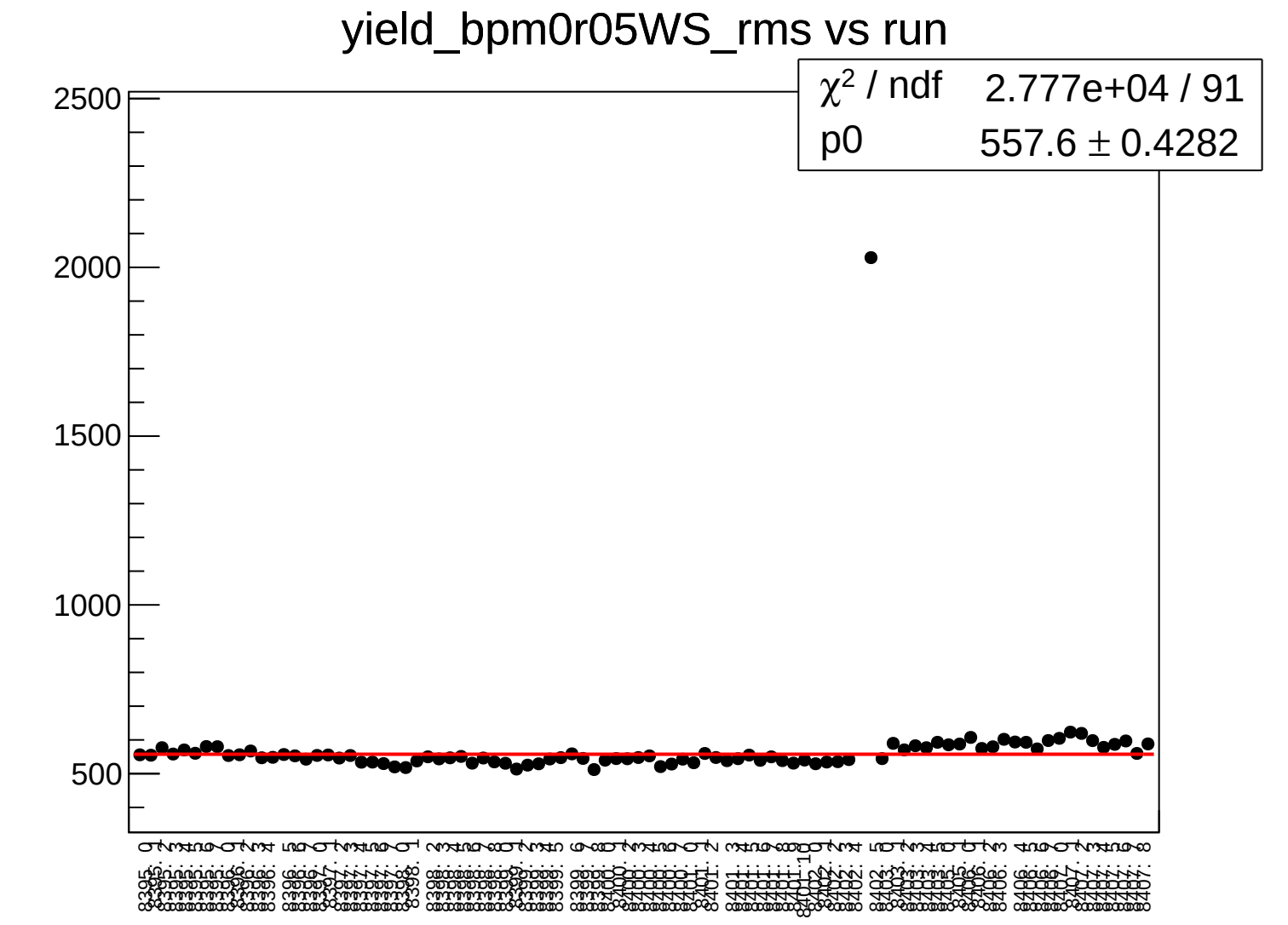

yield_bpm0r03WS_mean vs run
×10^3
142
141
140
139
138
137
136
χ² / ndf 1.192e+05 / 91
p0 1.414e+05 ± 0.3475
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 41.73
Std Dev 0

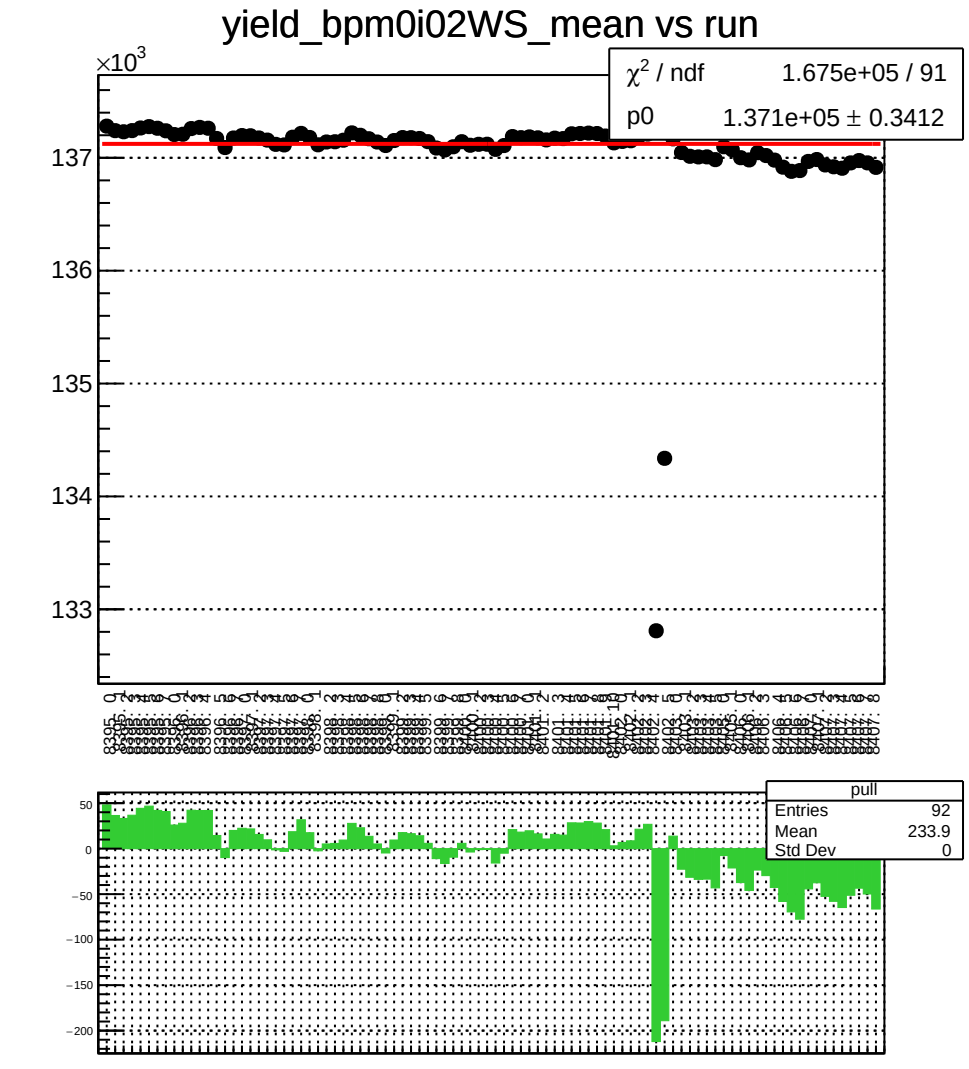

pull1D
Entries 92
Mean 1.389
Std Dev 4.011
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

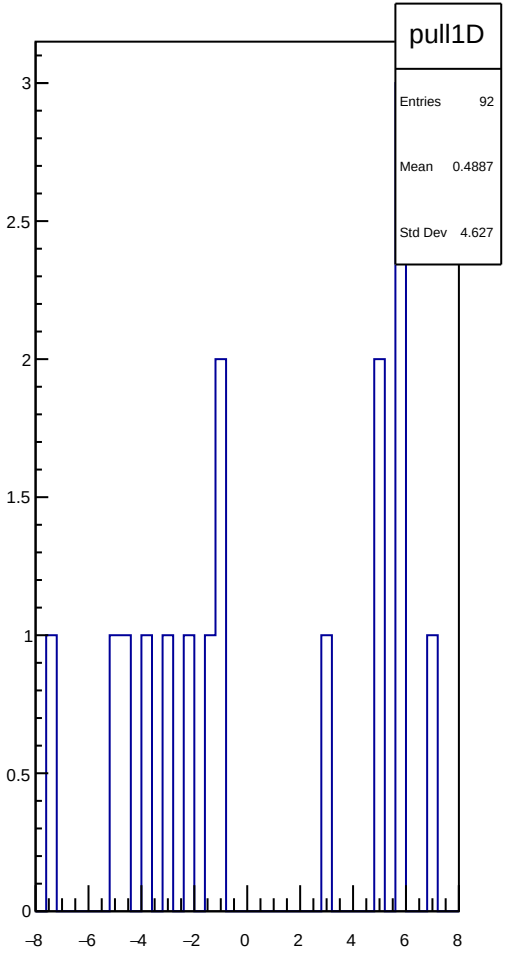

yield_bpm0r03WS_rms vs run
χ² / ndf 3.767e+04 / 91
p0 319.1 ± 0.2457
2500
2000
1500
1000
500

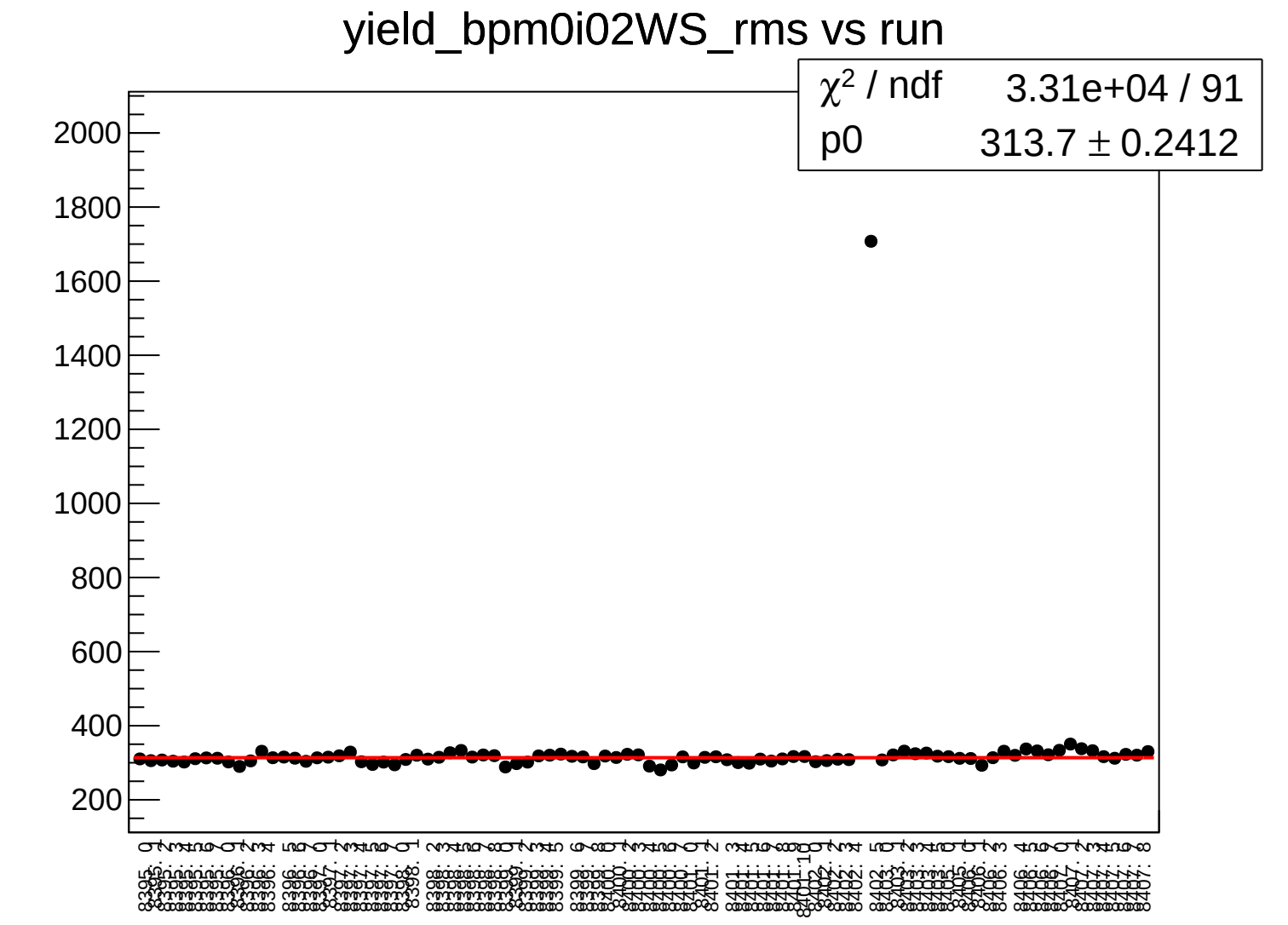

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.423e+05 / 91
p0 1.358e+05 ± 0.6055
136
135
134
133
132
131
pull
Entries 92
Mean 117.3
Std Dev 0
50
0
−50
−100
−150
−200

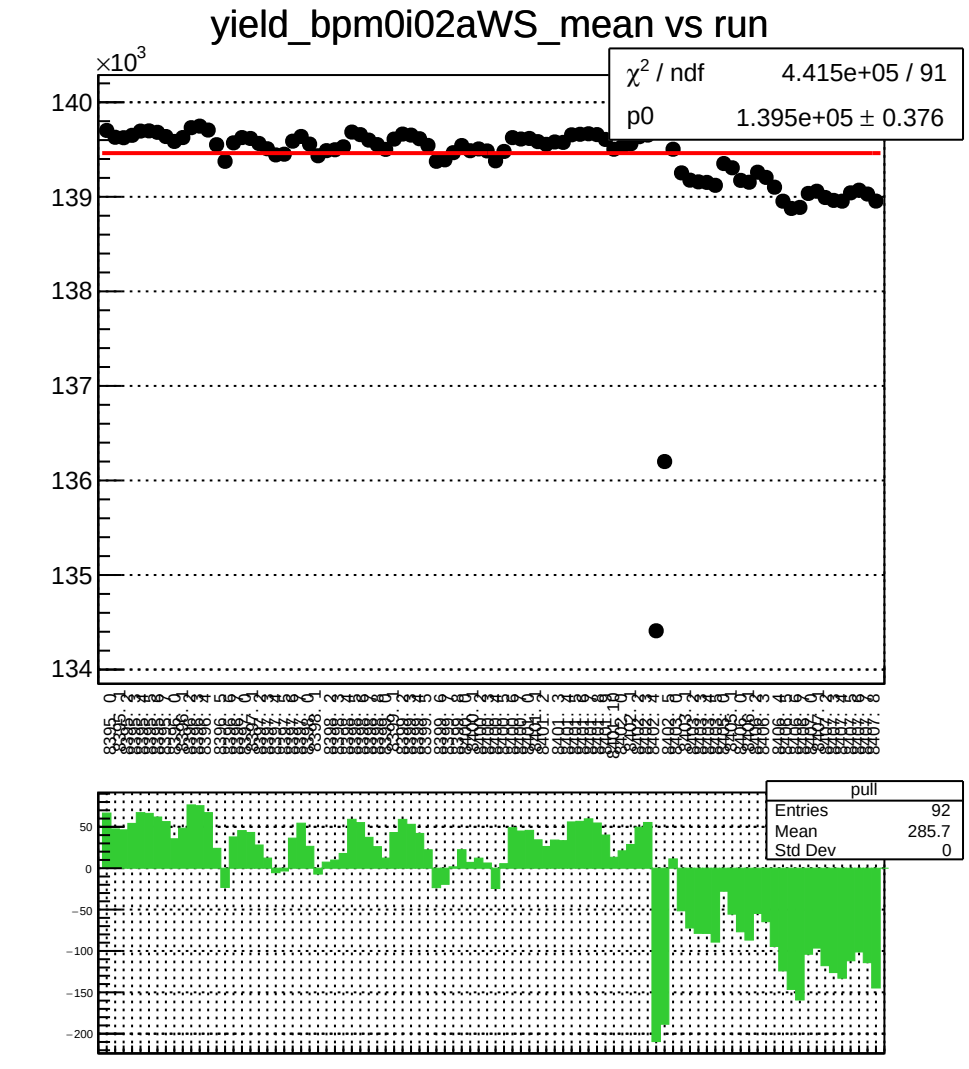

pull1D
Entries 92
Mean −1.405
Std Dev 3.848
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

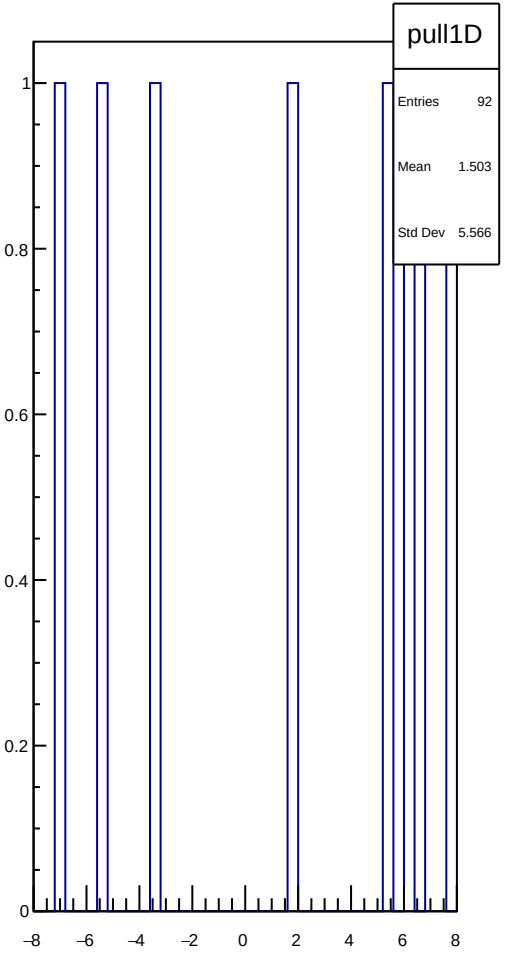

yield_bpm0r05WS_rms vs run
χ² / ndf 2.777e+04 / 91
p0 557.6 ± 0.4282
2500
2000
1500
1000
500

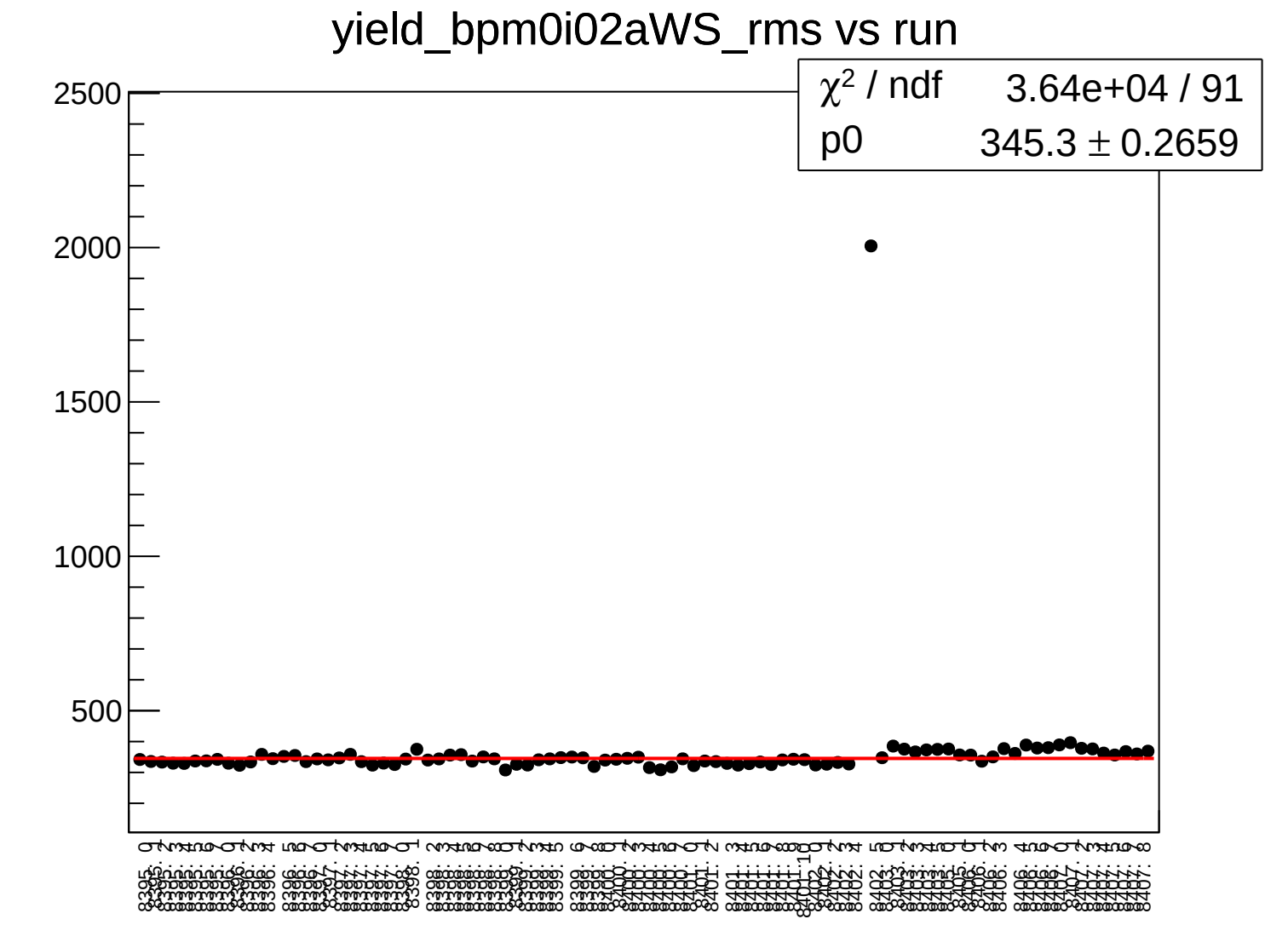

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.675e+05 / 91
p0 1.371e+05 ± 0.3412
137
136
135
134
133
pull
Entries 92
Mean 233.9
Std Dev 0
50
0
−50
−100
−150
−200

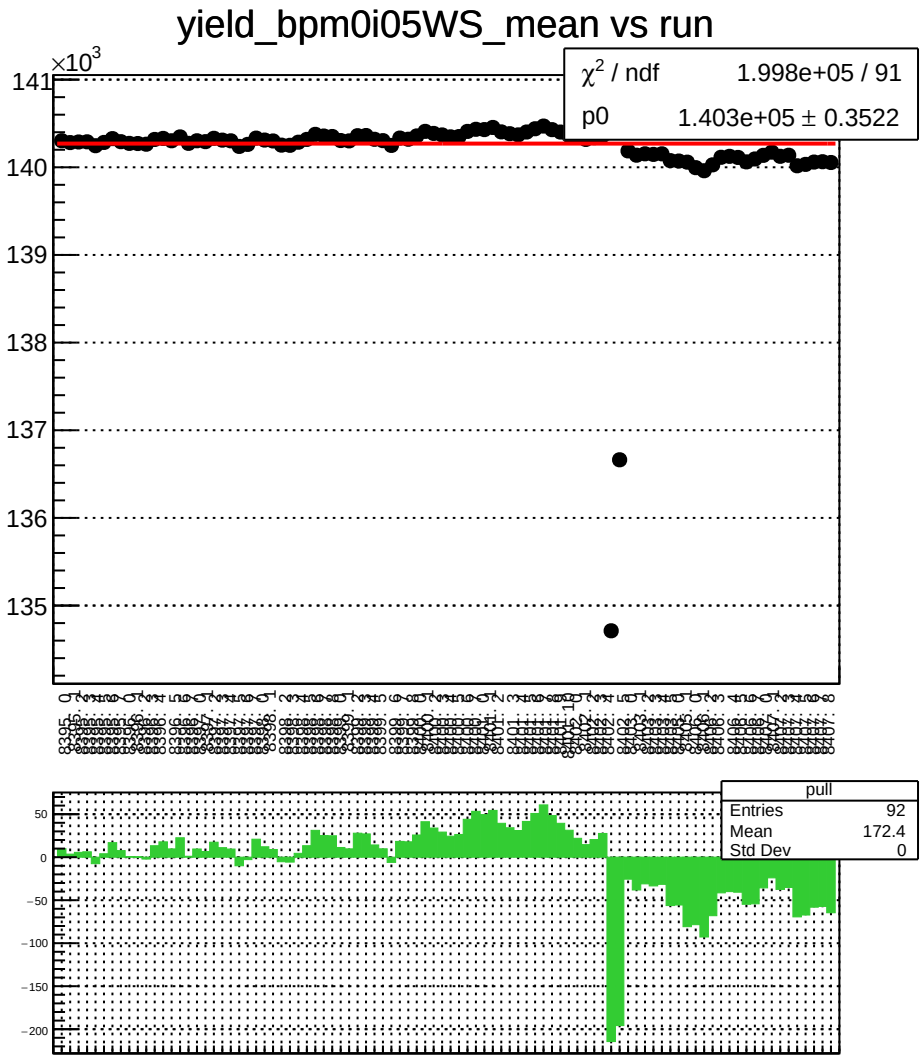

pull1D
Entries 92
Mean 0.4887
Std Dev 4.627
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

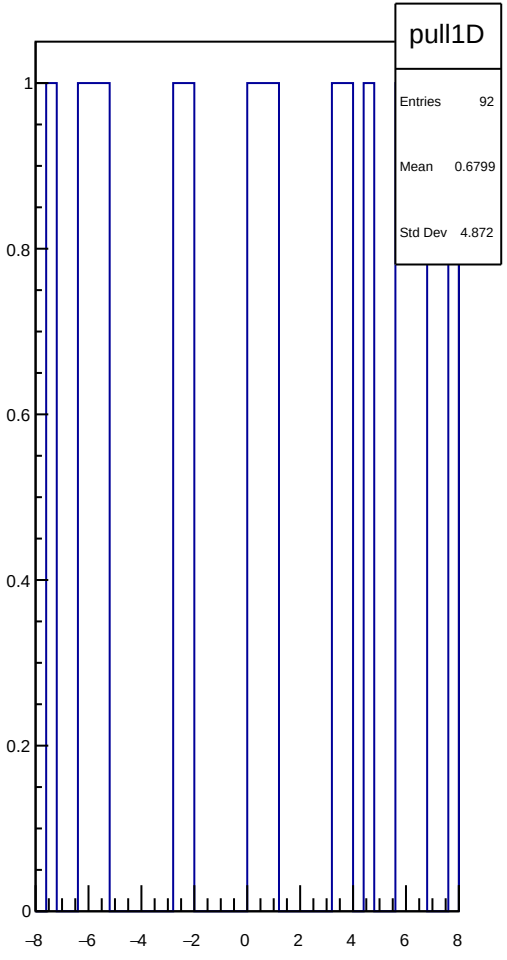

yield_bpm0i02WS_rms vs run
χ² / ndf 3.31e+04 / 91
p0 313.7 ± 0.2412
2000
1800
1600
1400
1200
1000
800
600
400
200

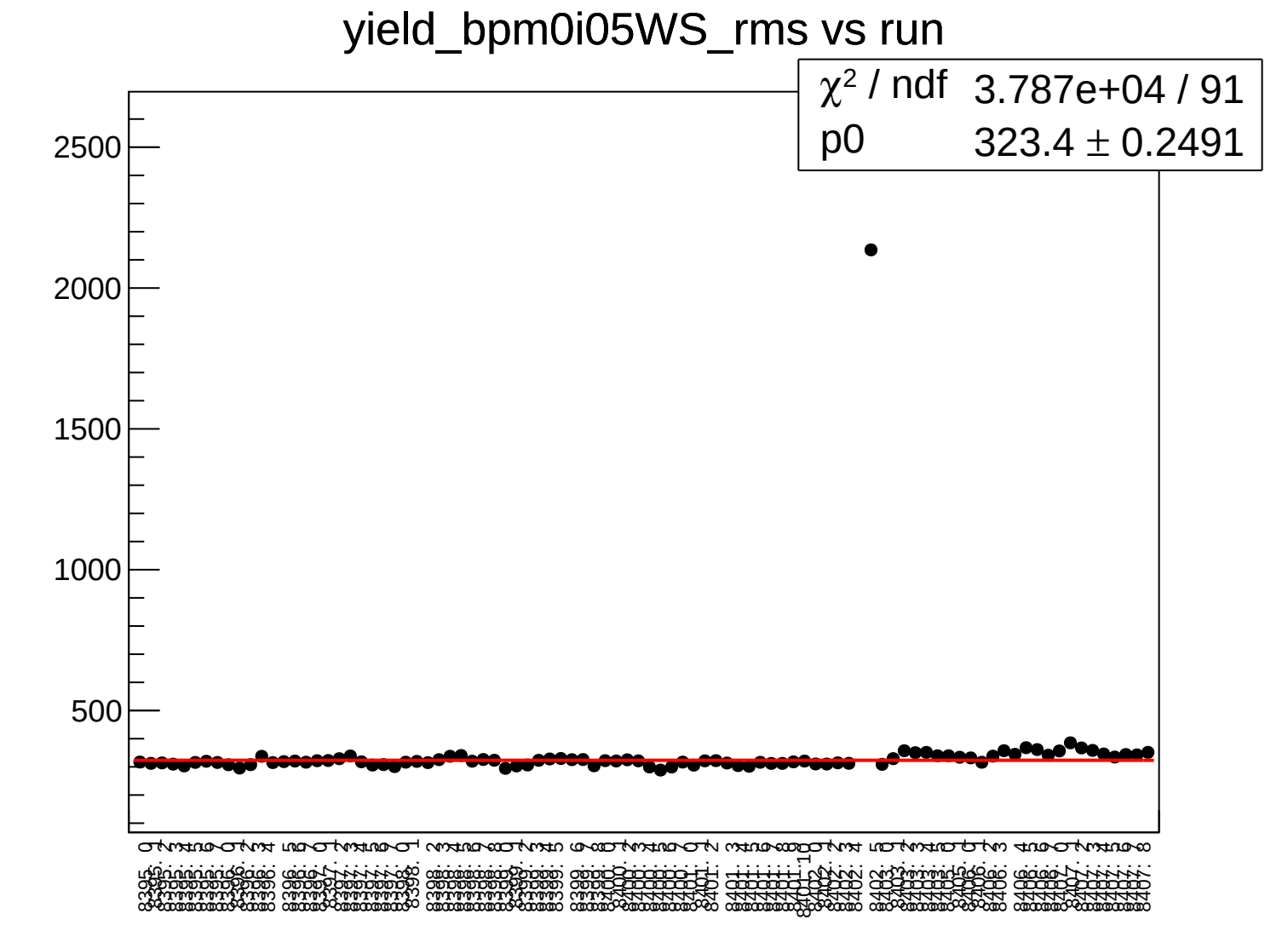

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 4.415e+05 / 91
p0 1.395e+05 ± 0.376
140
139
138
137
136
135
134
pull
Entries 92
Mean 285.7
Std Dev 0
50
0
−50
−100
−150
−200

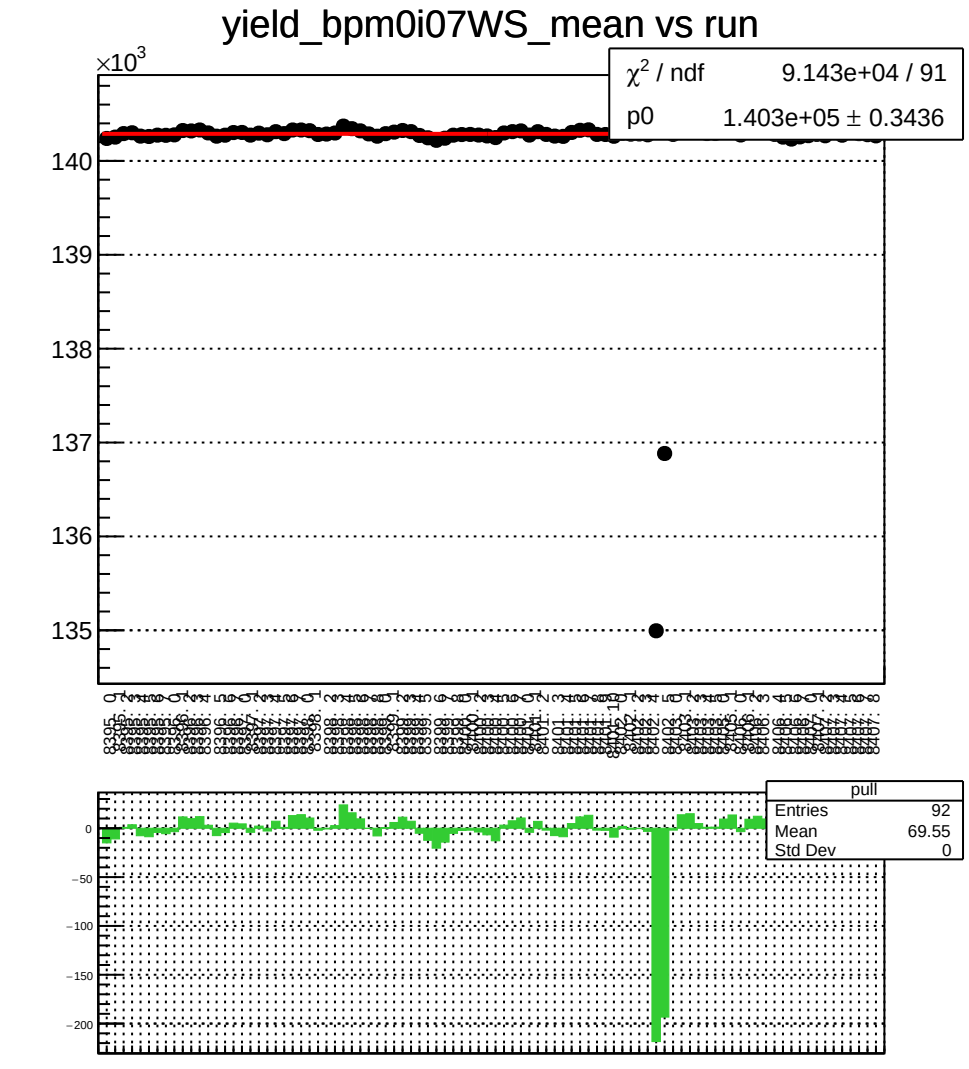

pull1D
Entries 92
Mean 1.503
Std Dev 5.566
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

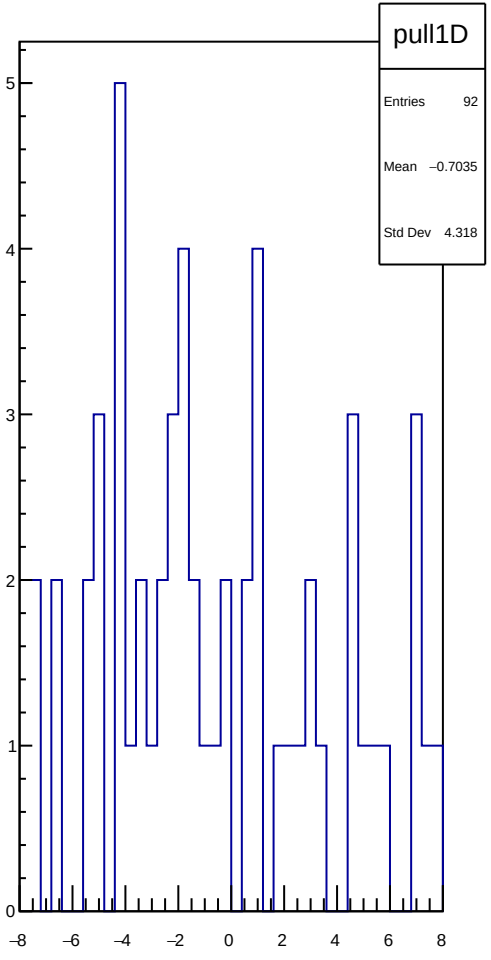

yield_bpm0i02aWS_rms vs run
χ² / ndf 3.64e+04 / 91
p0 345.3 ± 0.2659
2500
2000
1500
1000
500

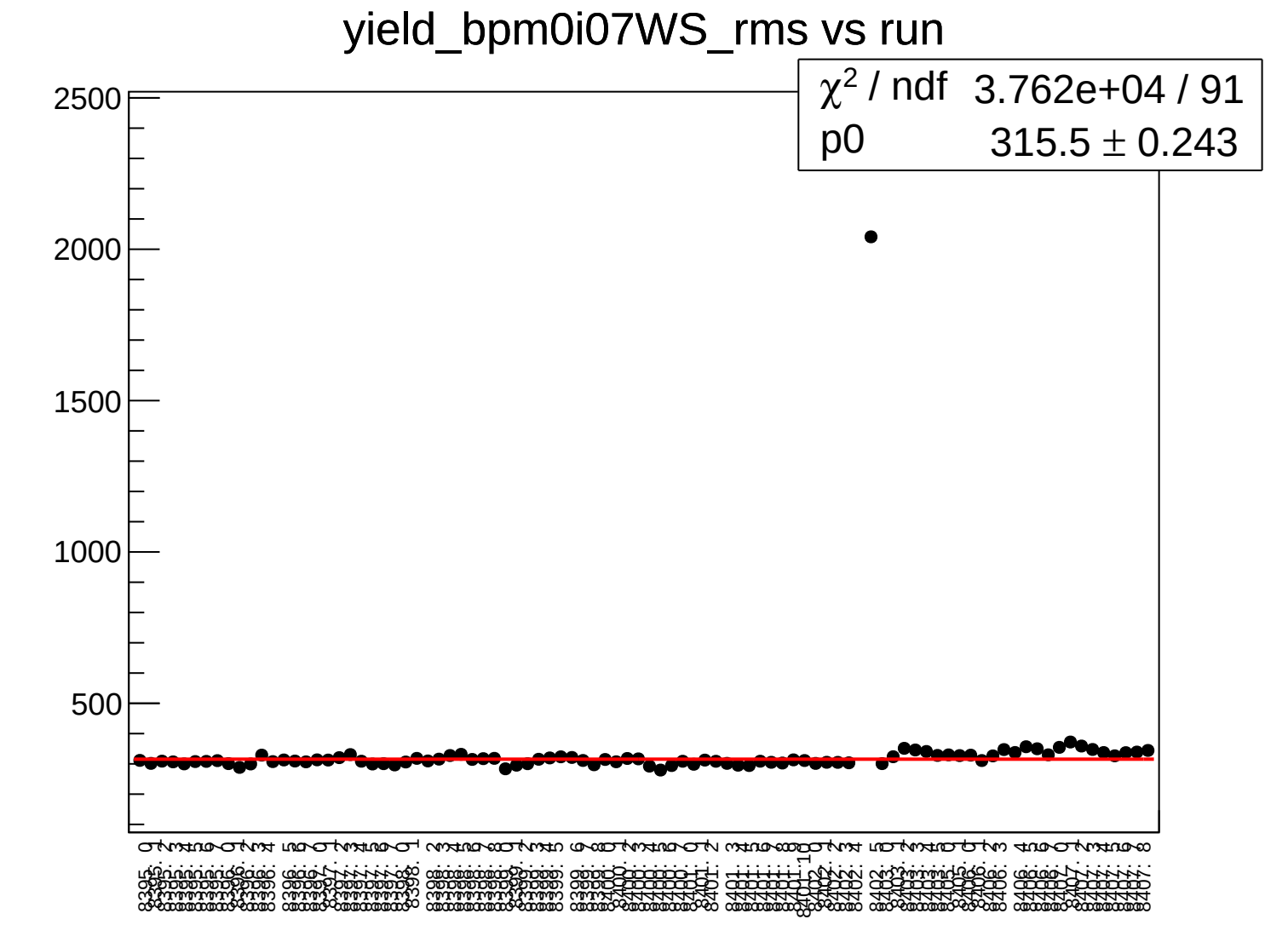

yield_bpm0i05WS_mean vs run
×10^3
141
140
139
138
137
136
135
χ² / ndf 1.998e+05 / 91
p0 1.403e+05 ± 0.3522
pull
Entries 92
Mean 172.4
Std Dev 0
50
0
−50
−100
−150
−200

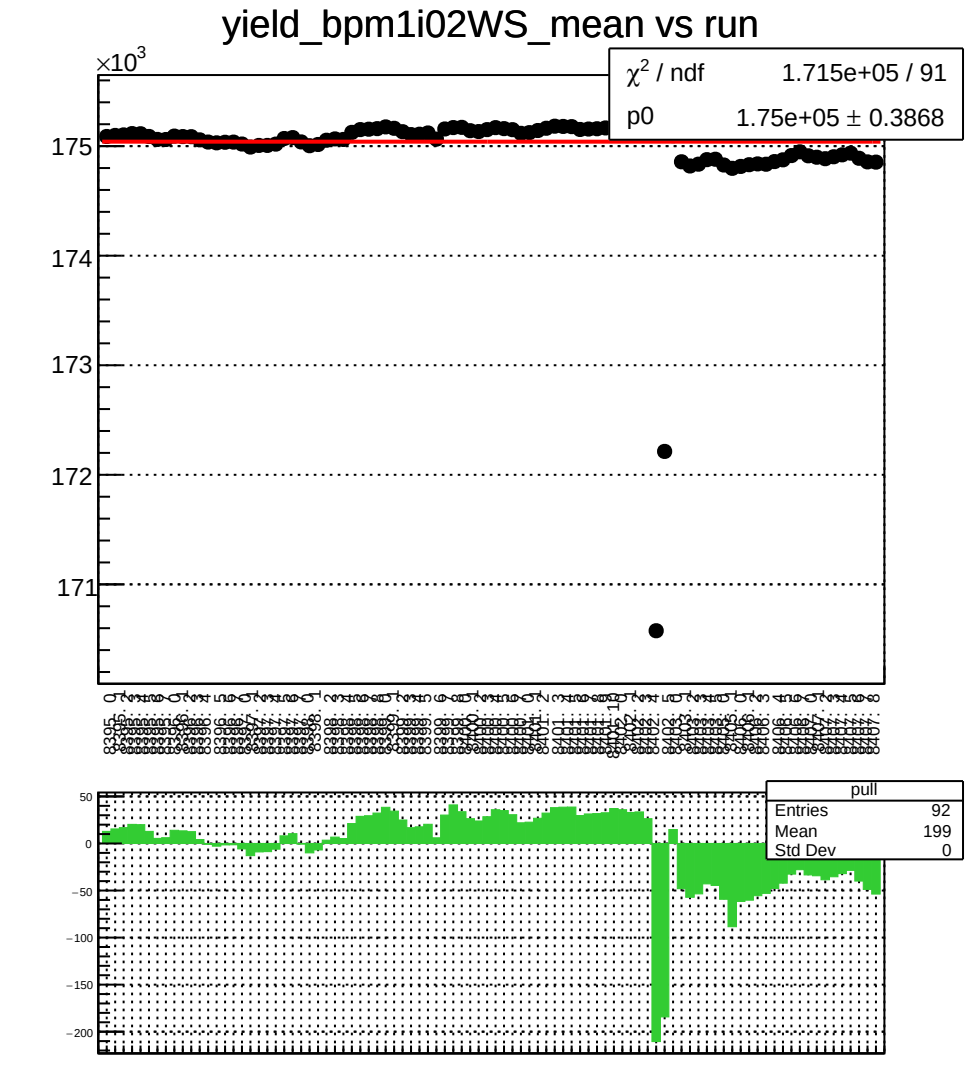

pull1D
Entries 92
Mean 0.6799
Std Dev 4.872
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

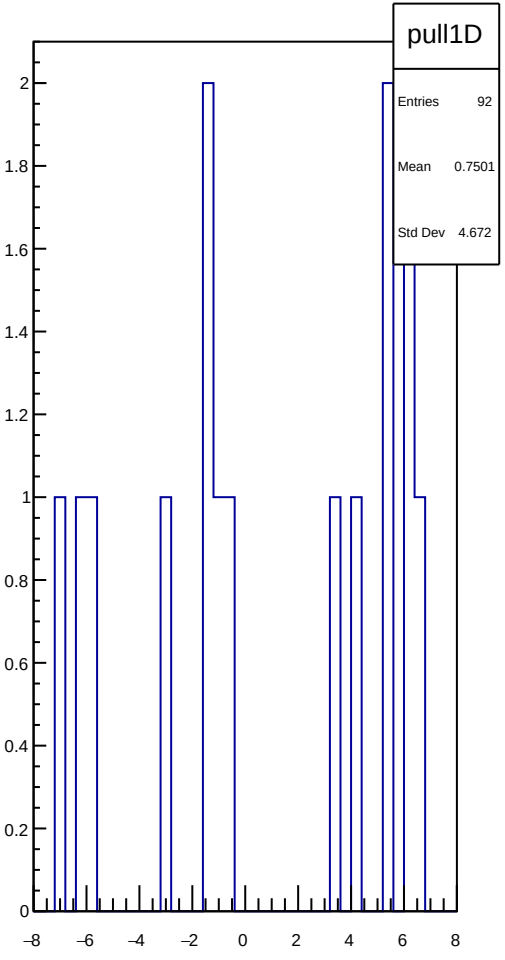

yield_bpm0i05WS_rms vs run
χ² / ndf 3.787e+04 / 91
p0 323.4 ± 0.2491
2500
2000
1500
1000
500

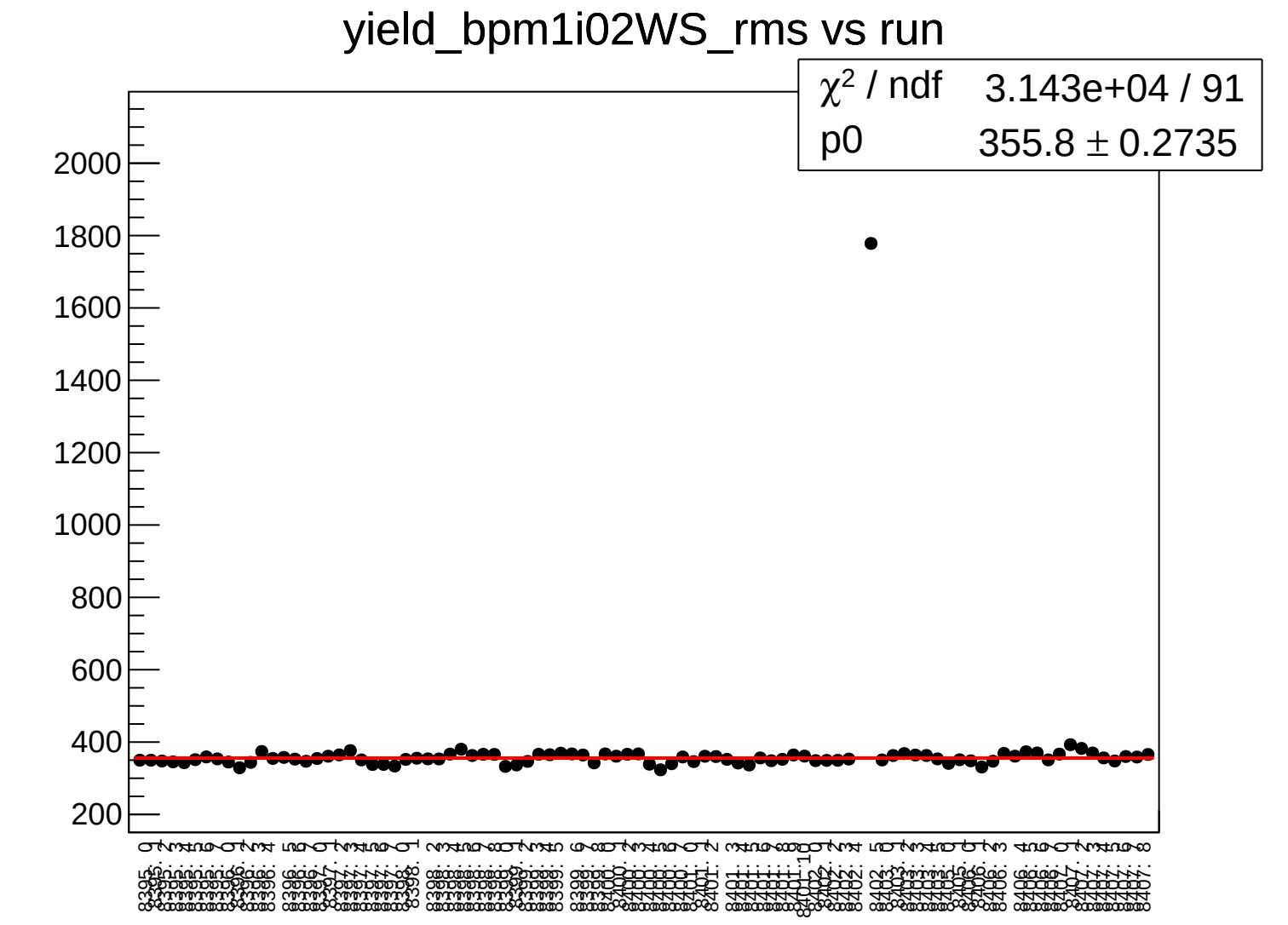

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 9.143e+04 / 91
p0 1.403e+05 ± 0.3436
140
139
138
137
136
135
pull
Entries 92
Mean 69.55
Std Dev 0
0
−50
−100
−150
−200

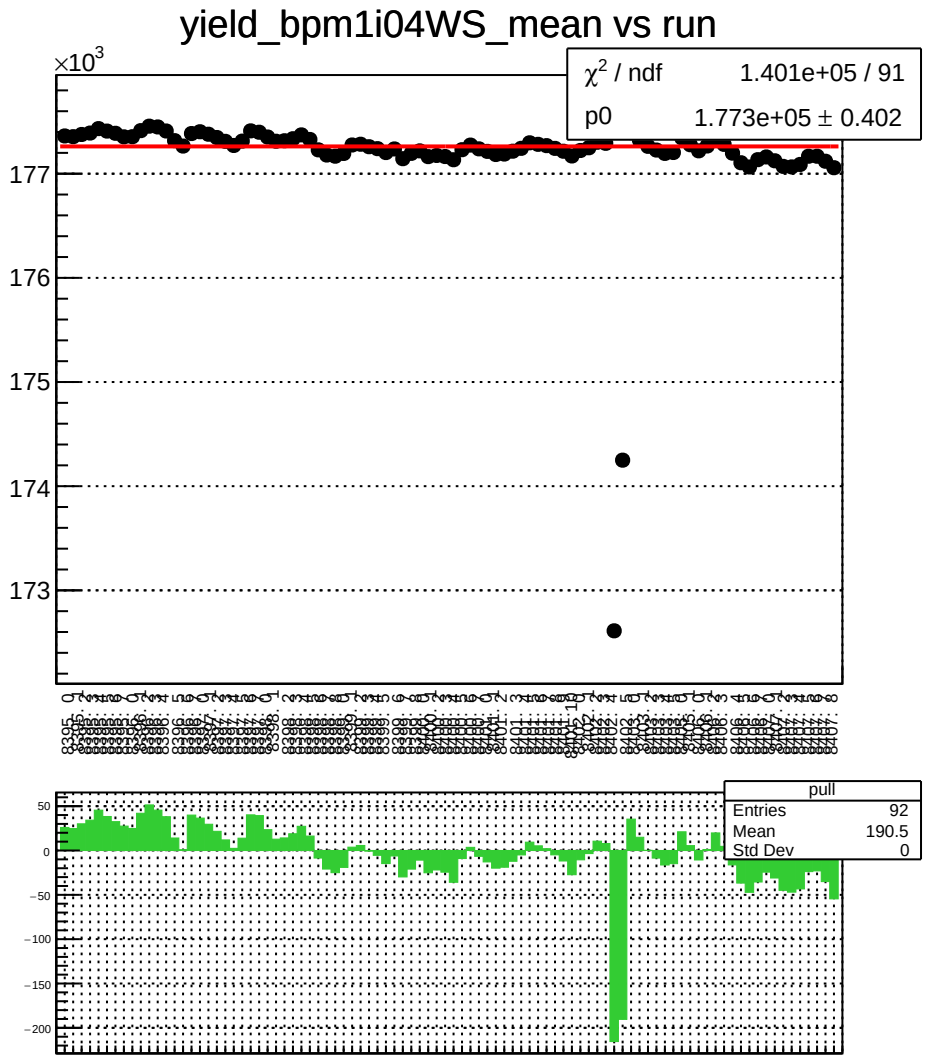

pull1D
Entries 92
Mean −0.7035
Std Dev 4.318
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

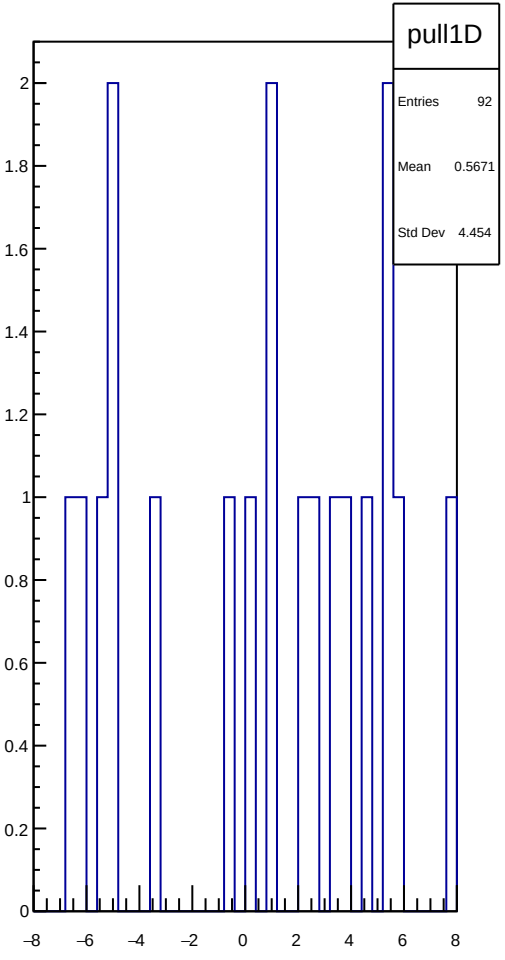

yield_bpm0i07WS_rms vs run
$\chi^2$ / ndf 3.762e+04 / 91
p0 315.5 ± 0.243
2500
2000
1500
1000
500

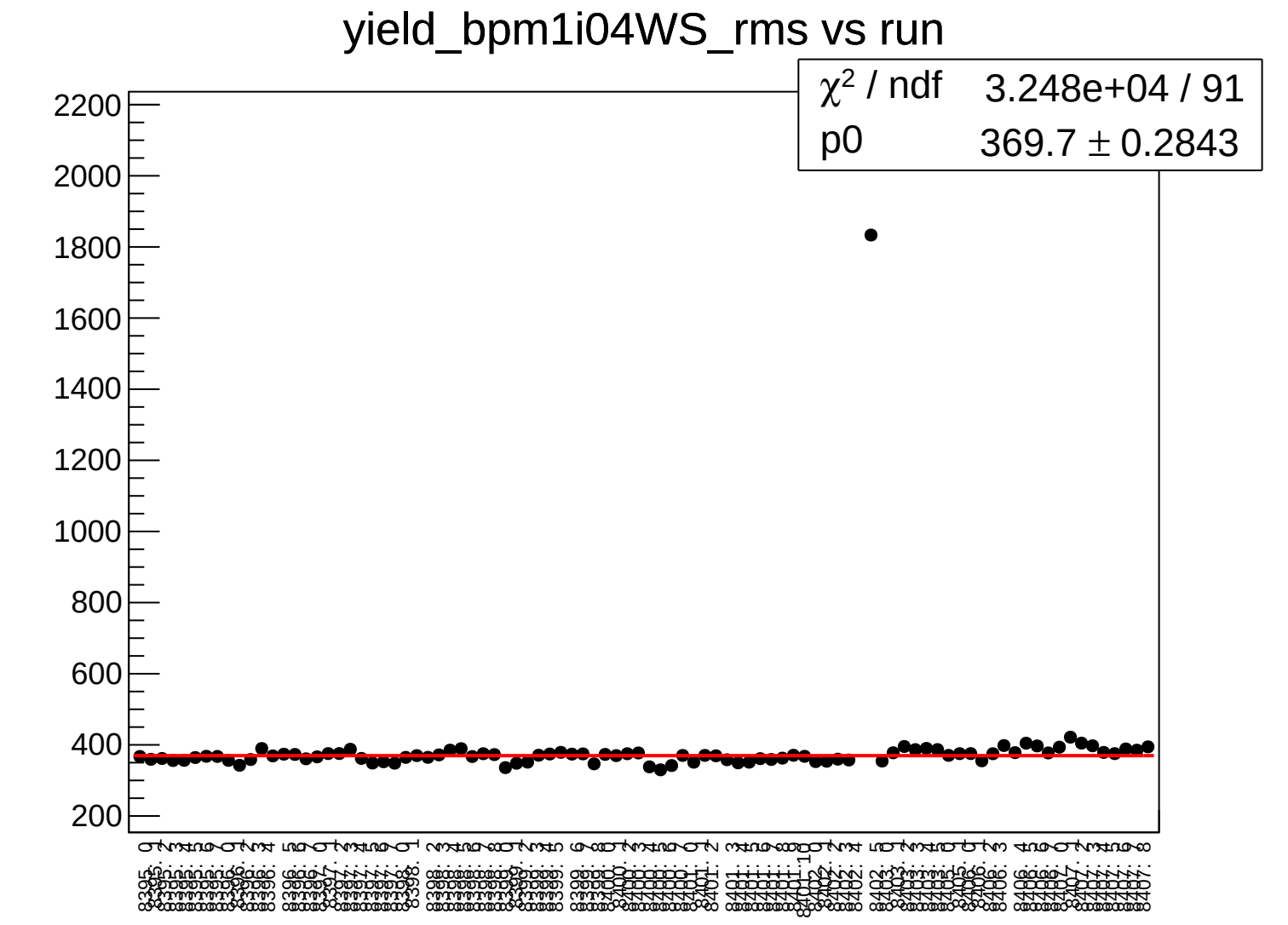

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.715e+05 / 91
p0 1.75e+05 ± 0.3868
175
174
173
172
171
pull
Entries 92
Mean 199
Std Dev 0
50
0
−50
−100
−150
−200

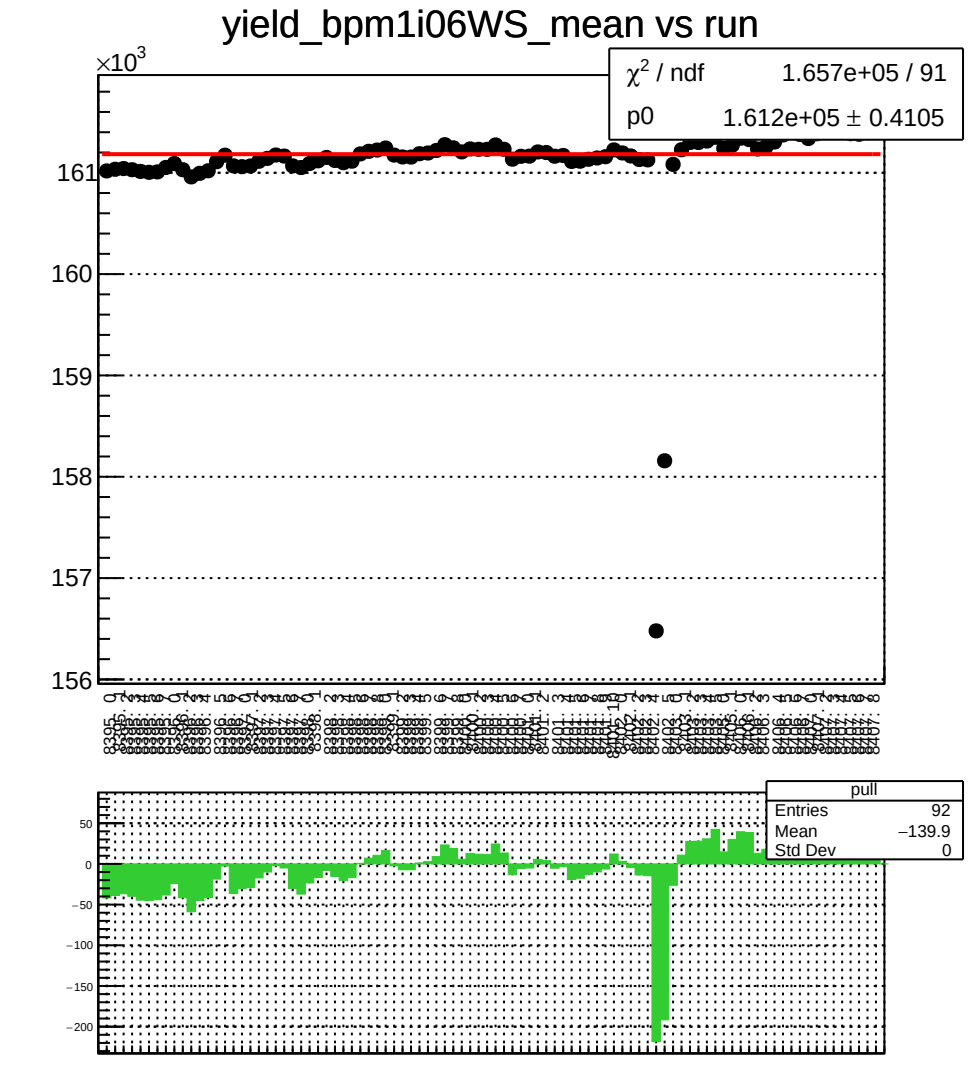

pull1D
Entries 92
Mean 0.7501
Std Dev 4.672
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

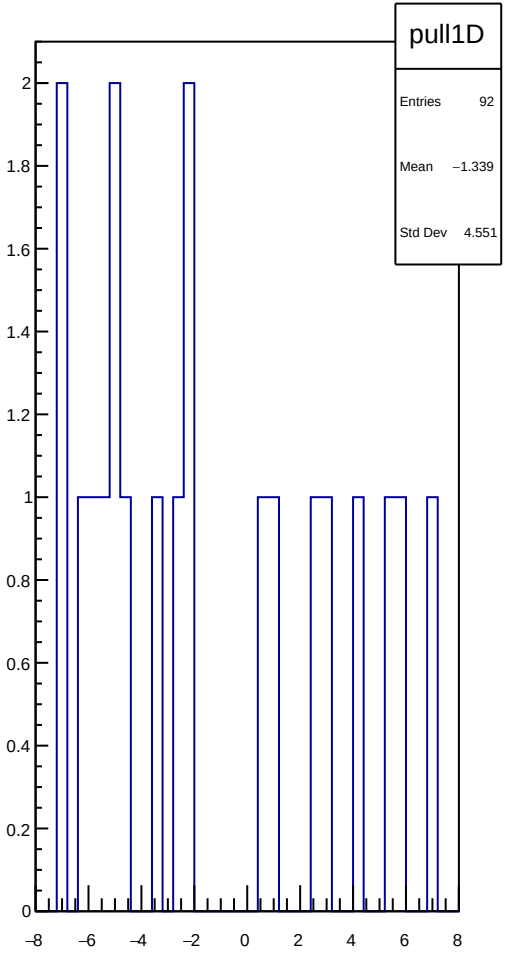

yield_bpm1i02WS_rms vs run
χ² / ndf 3.143e+04 / 91
p0 355.8 ± 0.2735
2000
1800
1600
1400
1200
1000
800
600
400
200

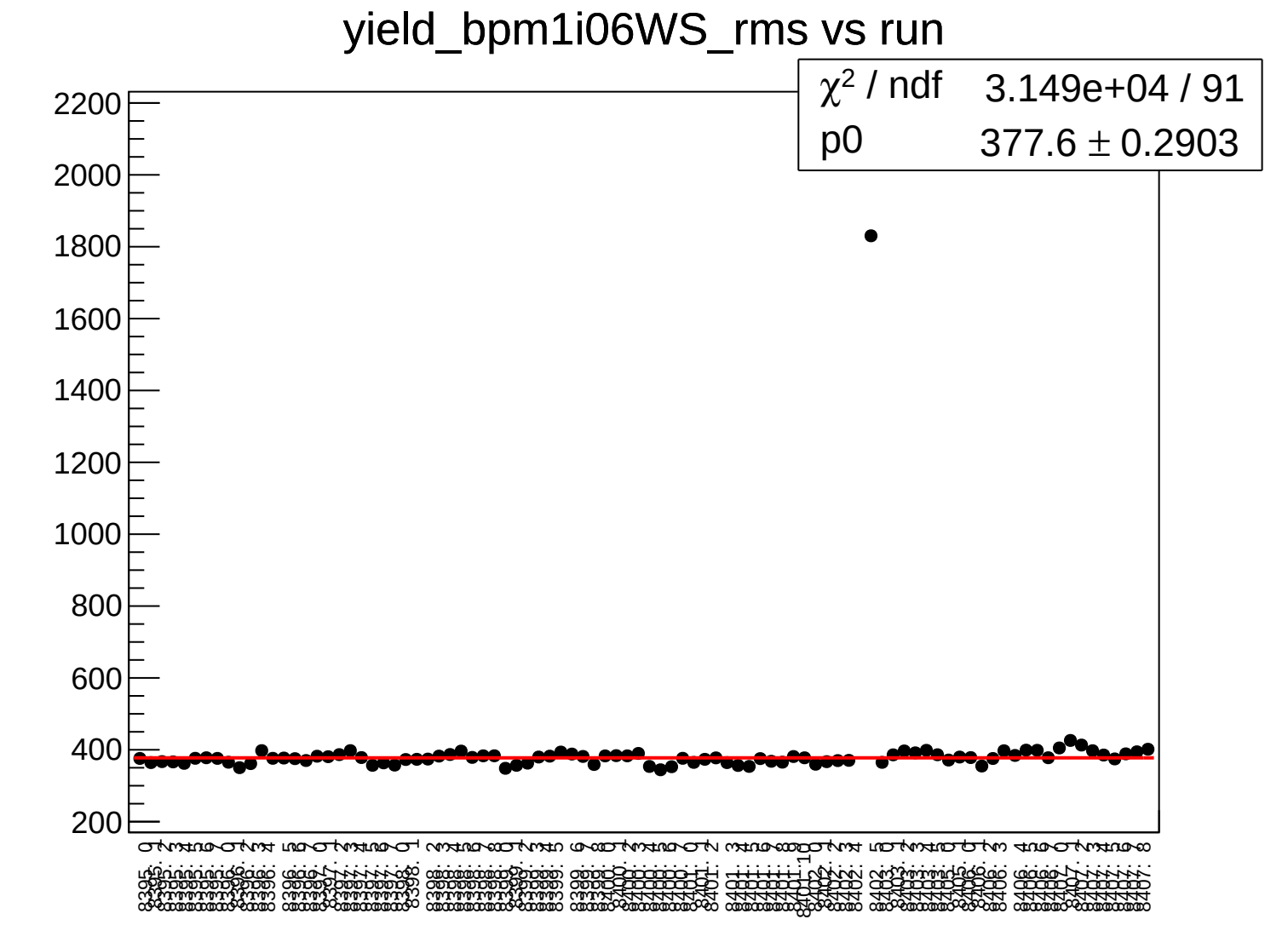

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.401e+05 / 91
p0 1.773e+05 ± 0.402
177
176
175
174
173
pull
Entries 92
Mean 190.5
Std Dev 0
50
0
−50
−100
−150
−200

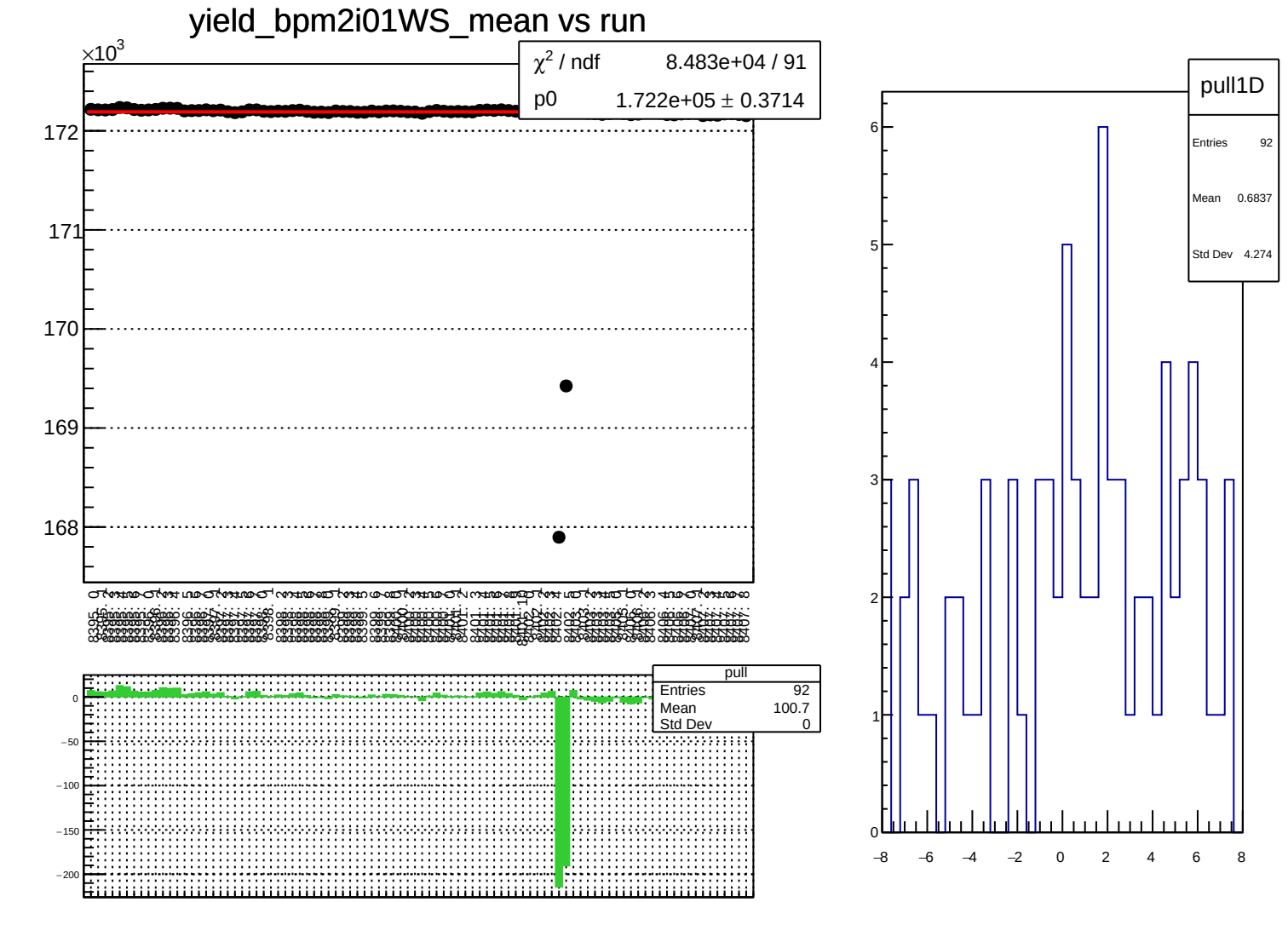

pull1D
Entries 92
Mean 0.5671
Std Dev 4.454
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

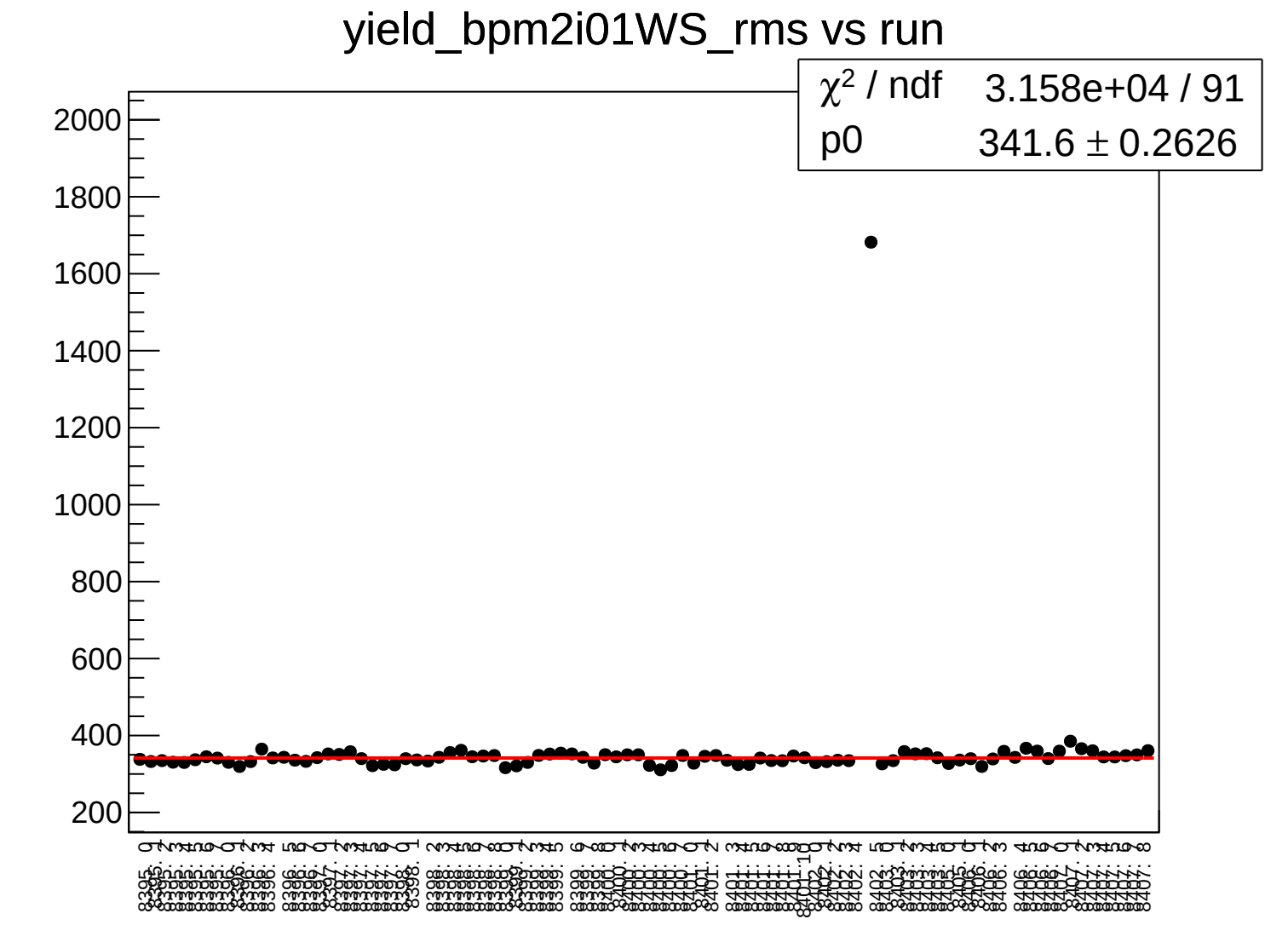

yield_bpm1i04WS_rms vs run
χ² / ndf 3.248e+04 / 91
p0 369.7 ± 0.2843
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

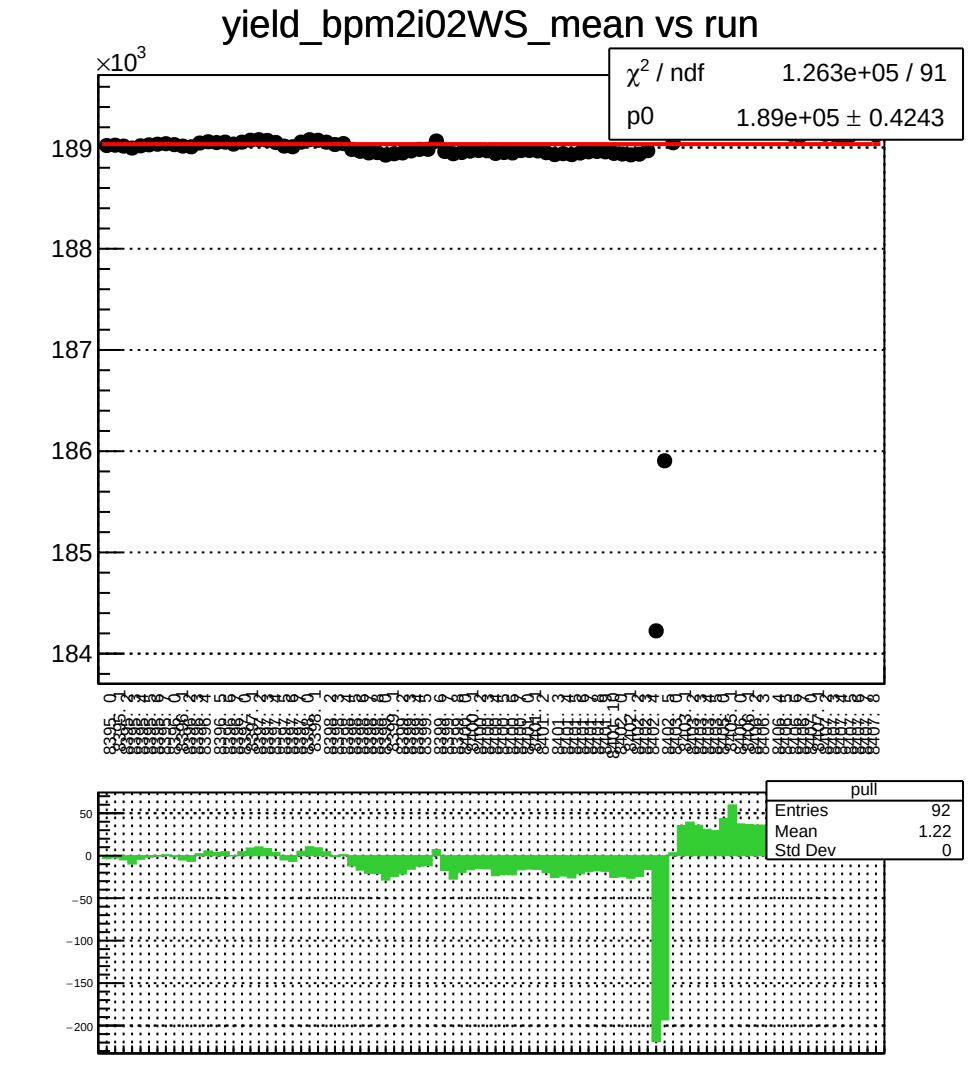

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 1.657e+05 / 91
p0 1.612e+05 ± 0.4105
161
160
159
158
157
156
pull
Entries 92
Mean −139.9
Std Dev 0
50
0
−50
−100
−150
−200

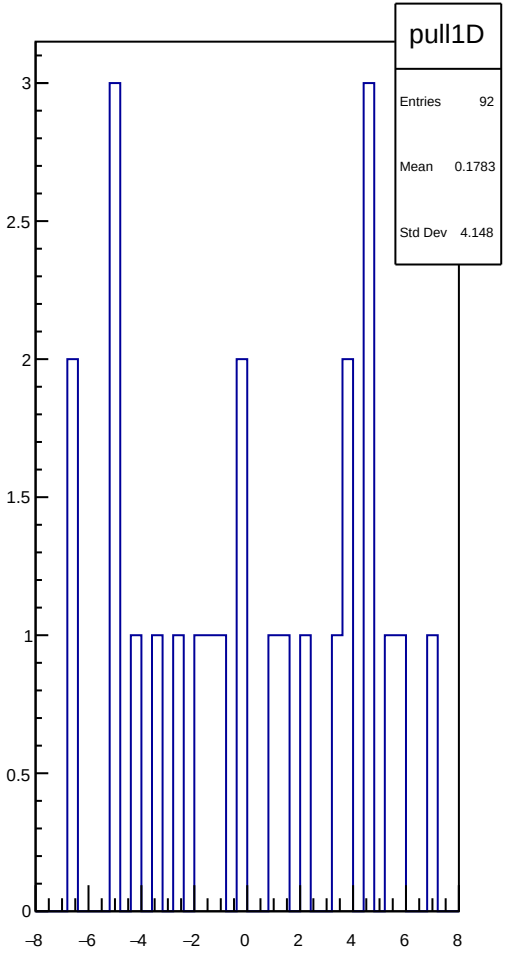

pull1D
Entries 92
Mean −1.339
Std Dev 4.551
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

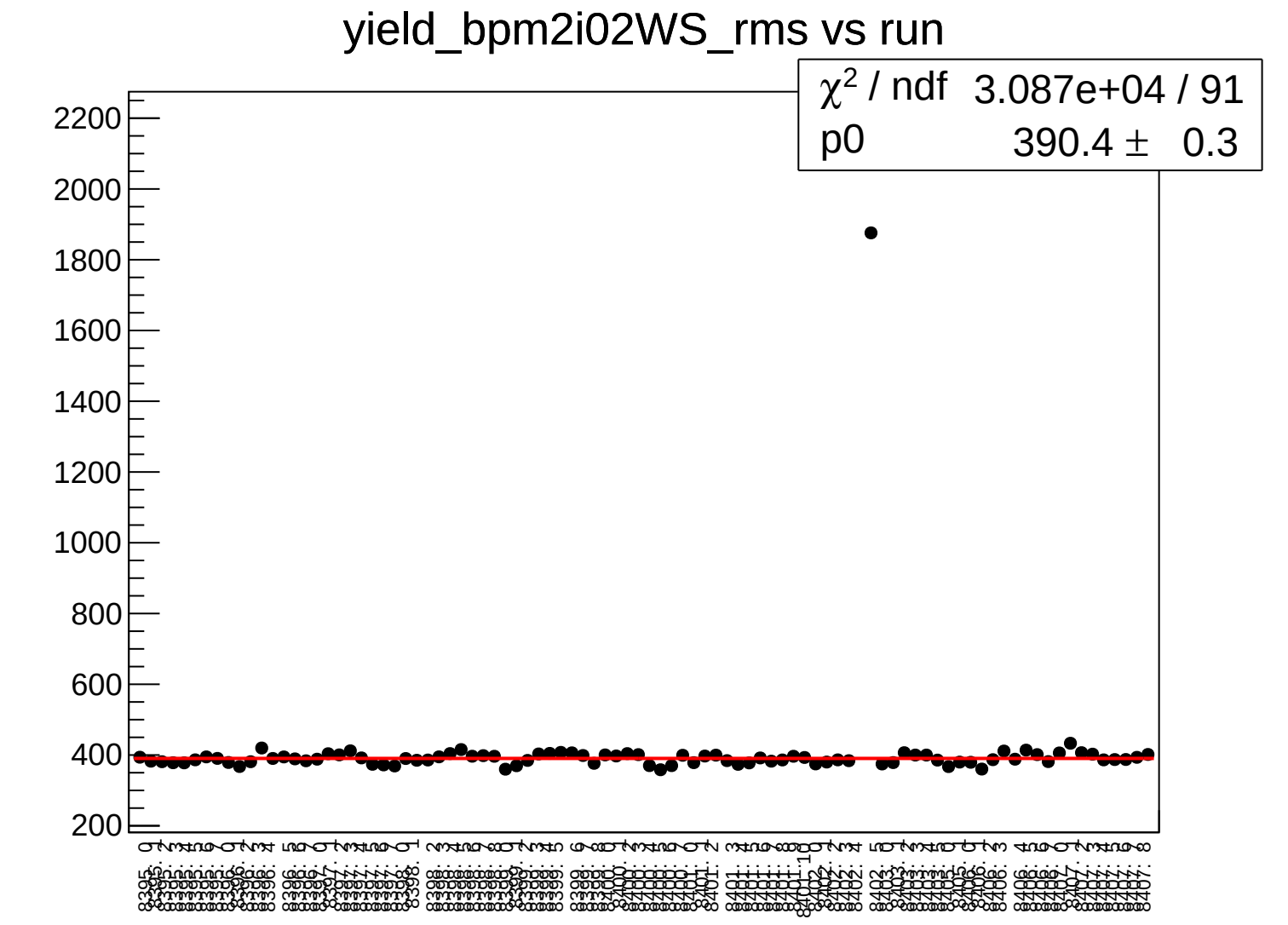

yield_bpm1i06WS_rms vs run
χ² / ndf 3.149e+04 / 91
p0 377.6 ± 0.2903
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

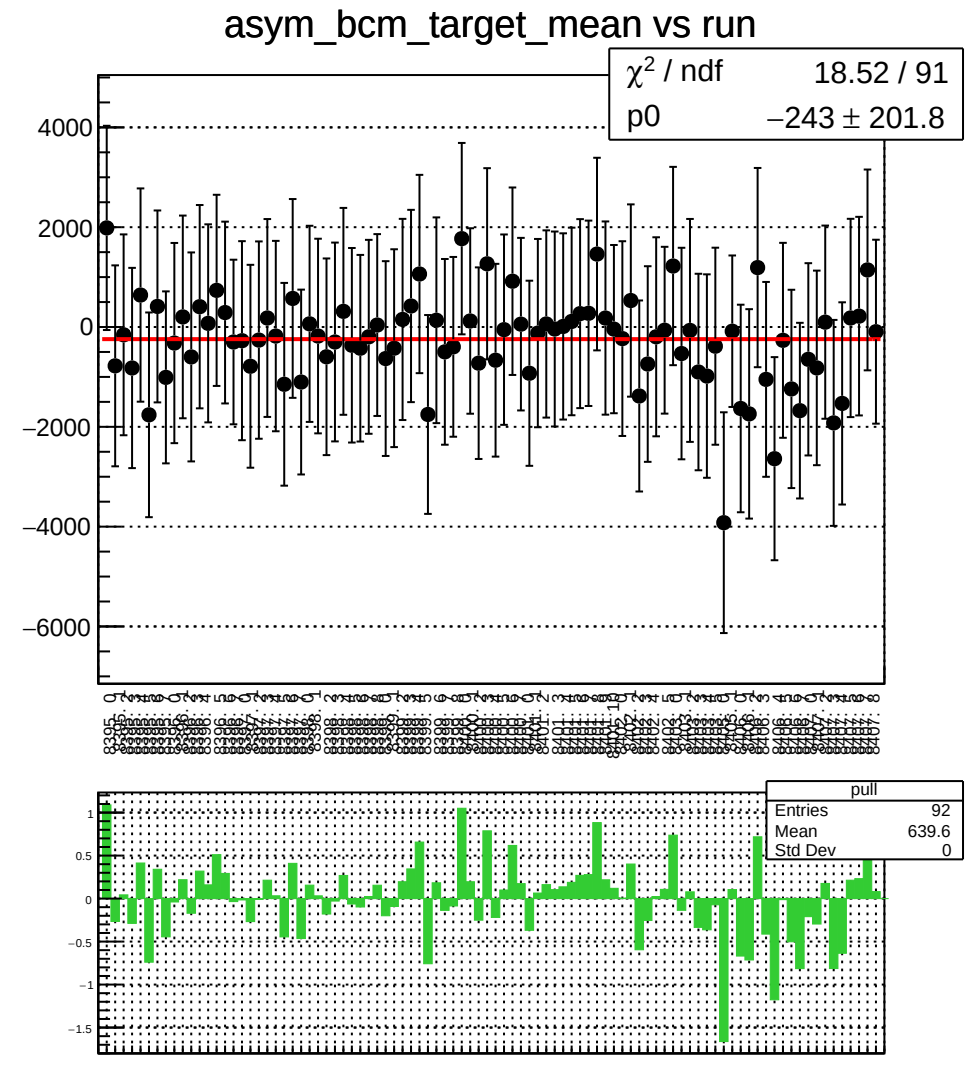

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.483e+04 / 91
p0 1.722e+05 ± 0.3714
172
171
170
169
168
pull
Entries 92
Mean 100.7
Std Dev 0
0
−50
−100
−150
−200
pull1D
Entries 92
Mean 0.6837
Std Dev 4.274
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

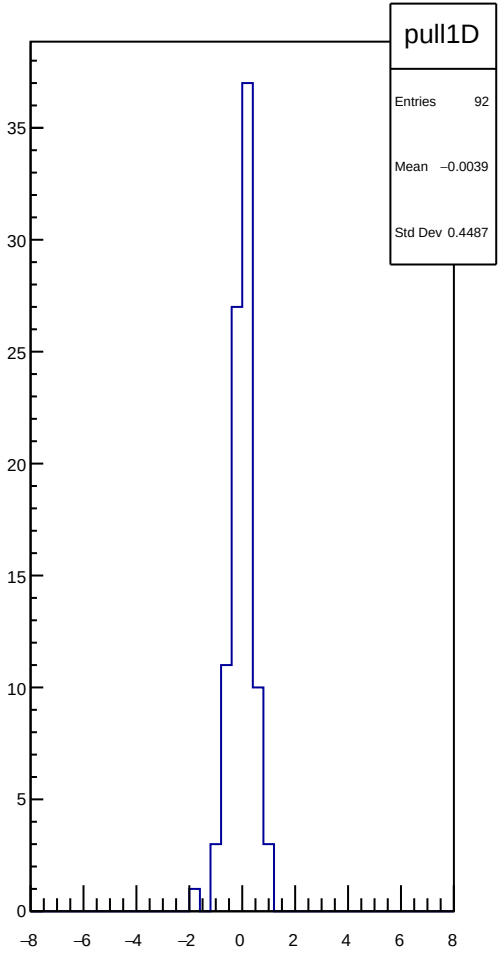

yield_bpm2i01WS_rms vs run
χ² / ndf 3.158e+04 / 91
p0 341.6 ± 0.2626
2000
1800
1600
1400
1200
1000
800
600
400
200

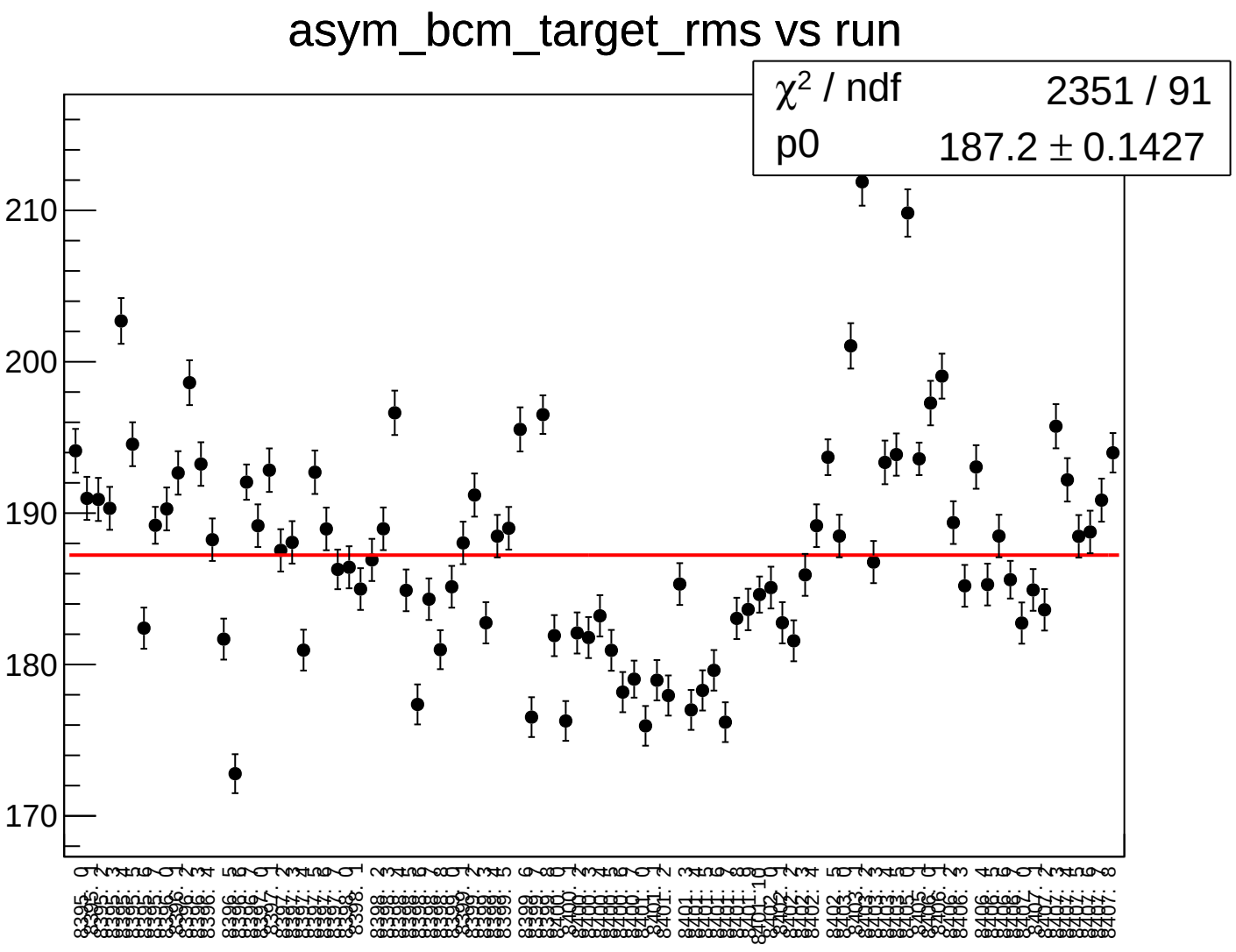

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 1.263e+05 / 91
p0 1.89e+05 ± 0.4243
189
188
187
186
185
184
pull
Entries 92
Mean 1.22
Std Dev 0
50
0
−50
−100
−150
−200

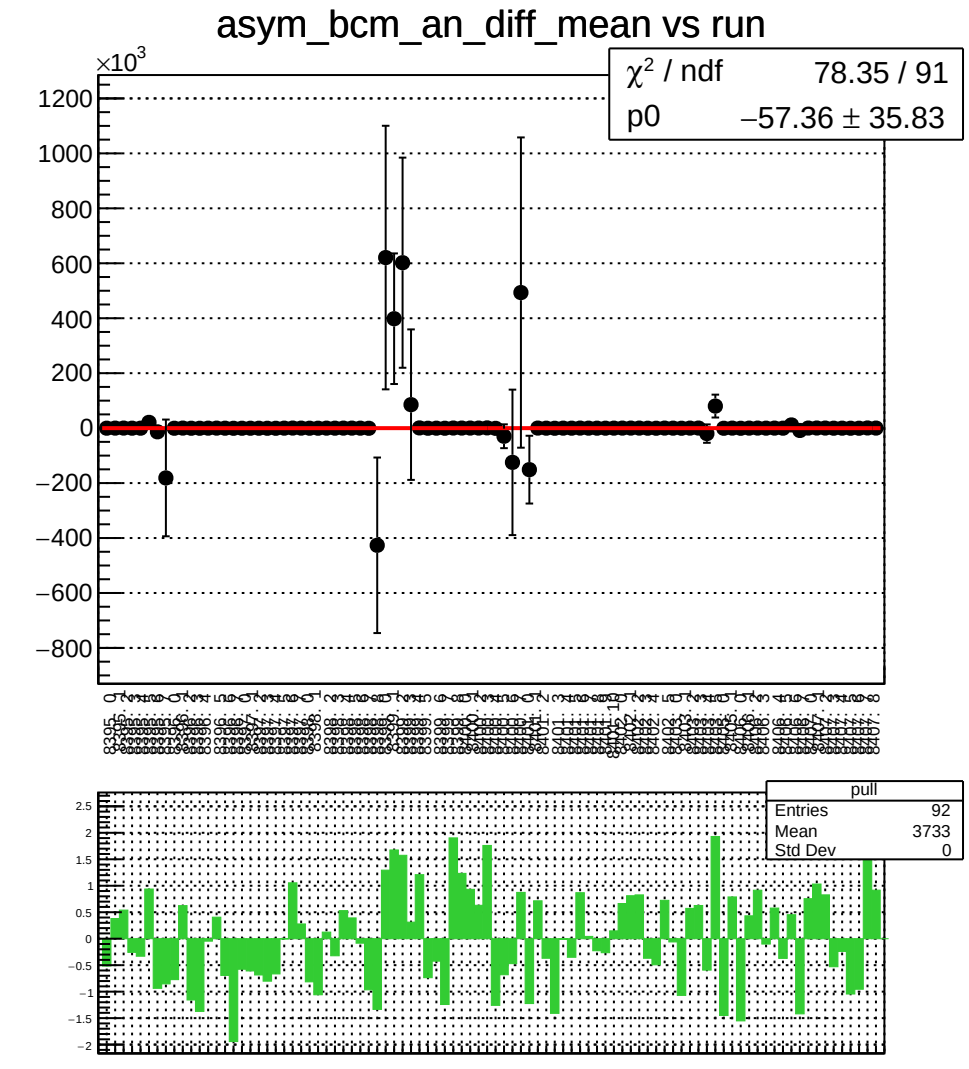

pull1D
Entries 92
Mean 0.1783
Std Dev 4.148
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

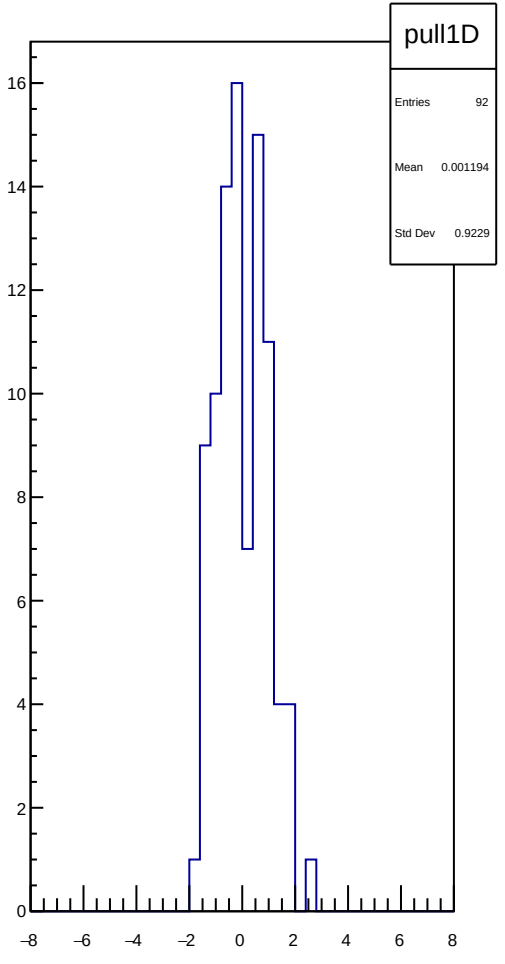

yield_bpm2i02WS_rms vs run
χ² / ndf 3.087e+04 / 91
p0 390.4 ± 0.3
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

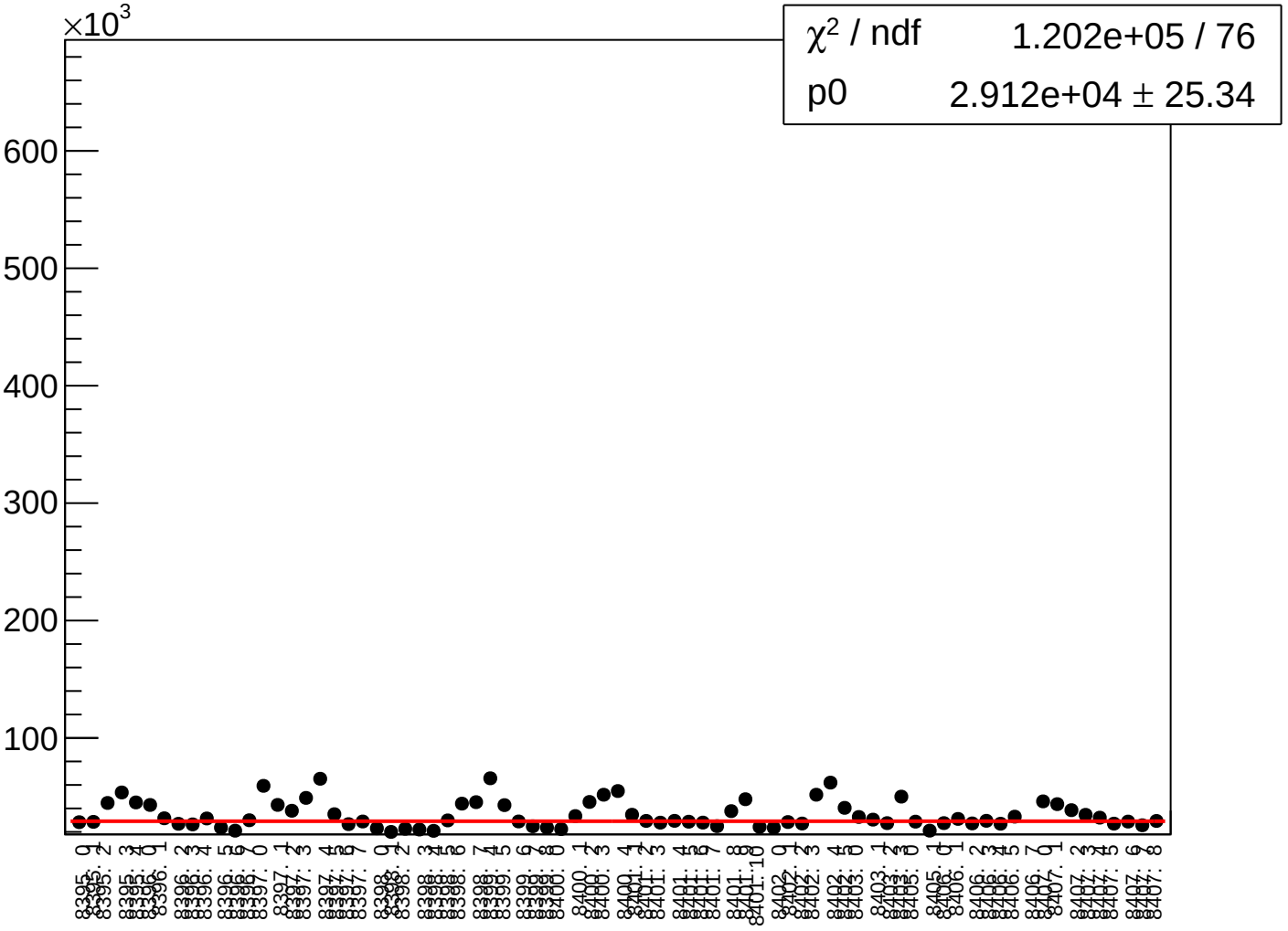

asym_bcm_target_mean vs run
χ² / ndf 18.52 / 91
p0 −243 ± 201.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 639.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

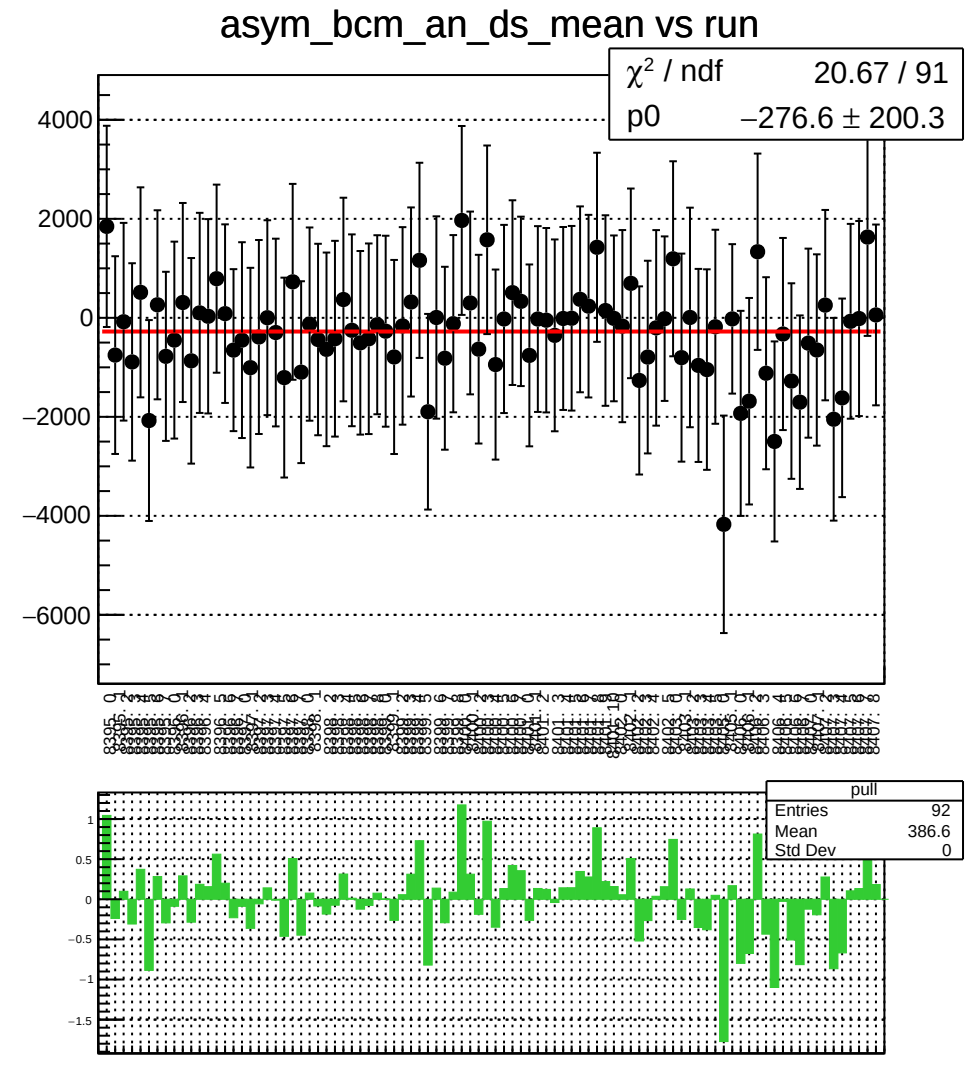

pull1D
Entries 92
Mean −0.0039
Std Dev 0.4487
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

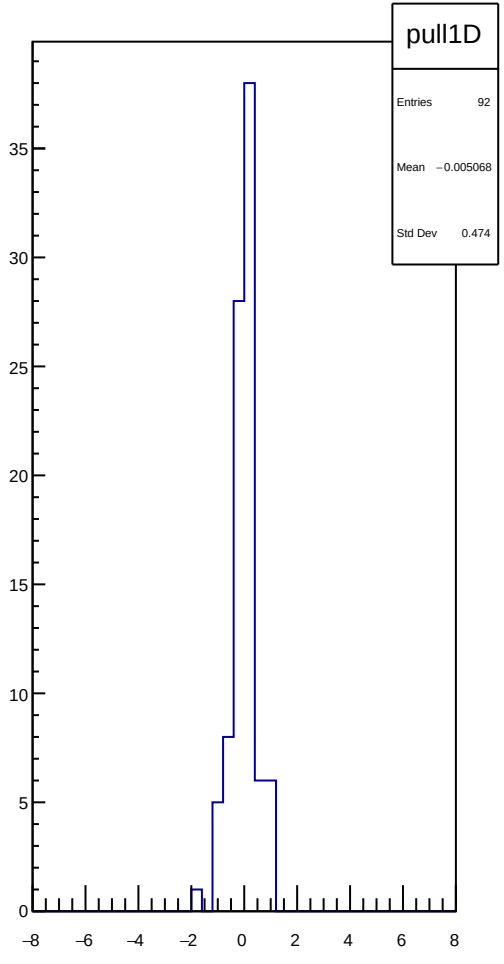

asym_bcm_target_rms vs run
χ² / ndf 2351 / 91
p0 187.2 ± 0.1427
210
200
190
180
170

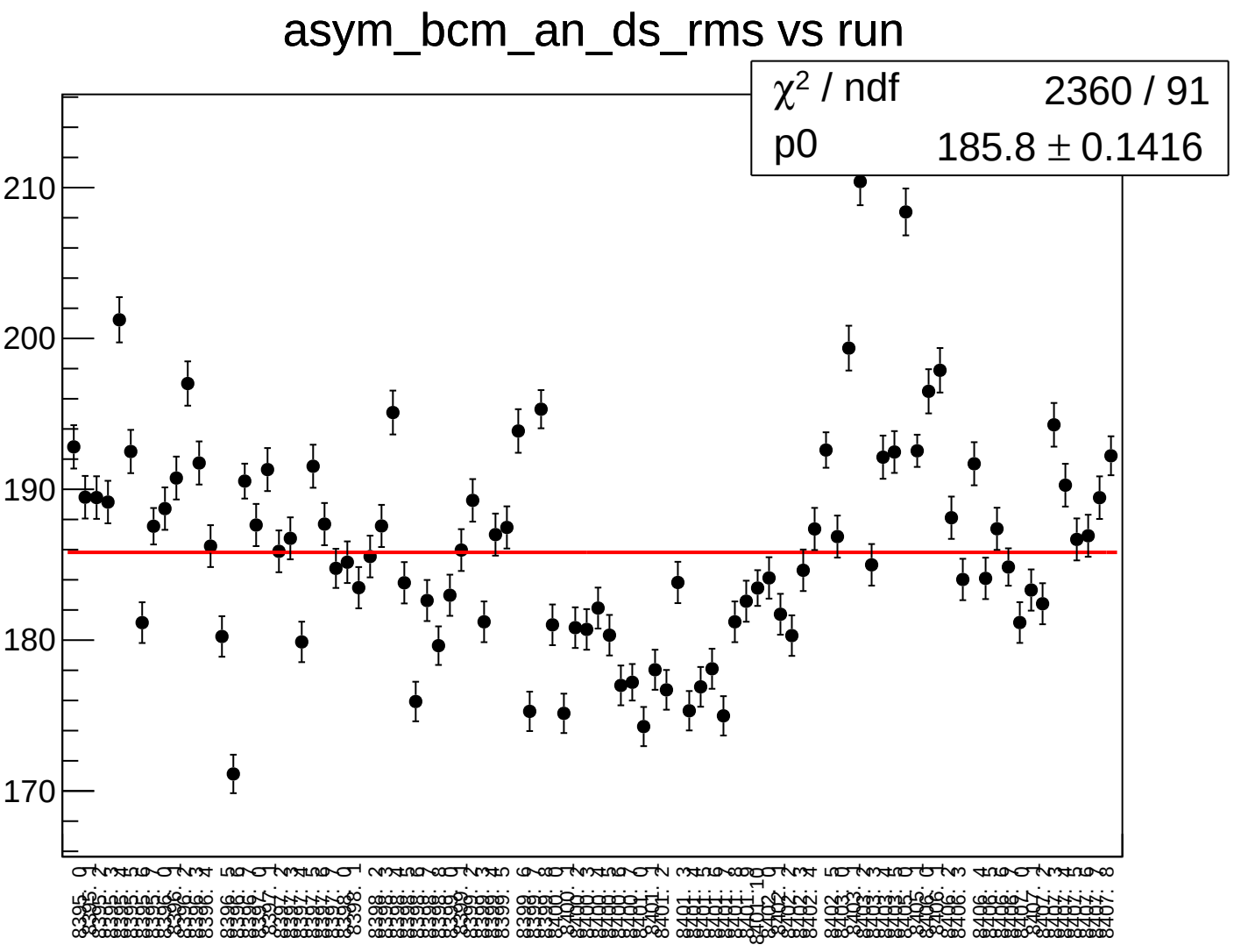

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 78.35 / 91
p0 −57.36 ± 35.83
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 92
Mean 3733
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

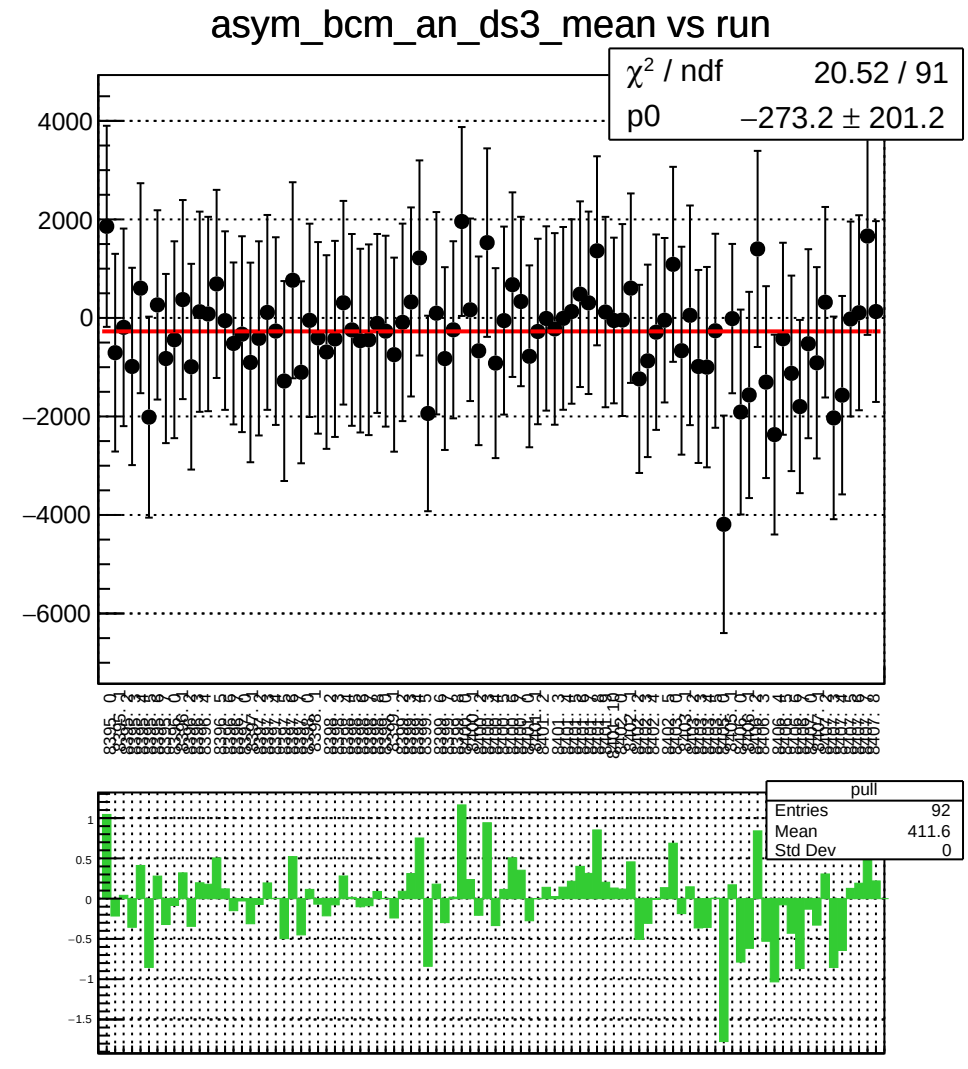

pull1D
Entries 92
Mean 0.001194
Std Dev 0.9229
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

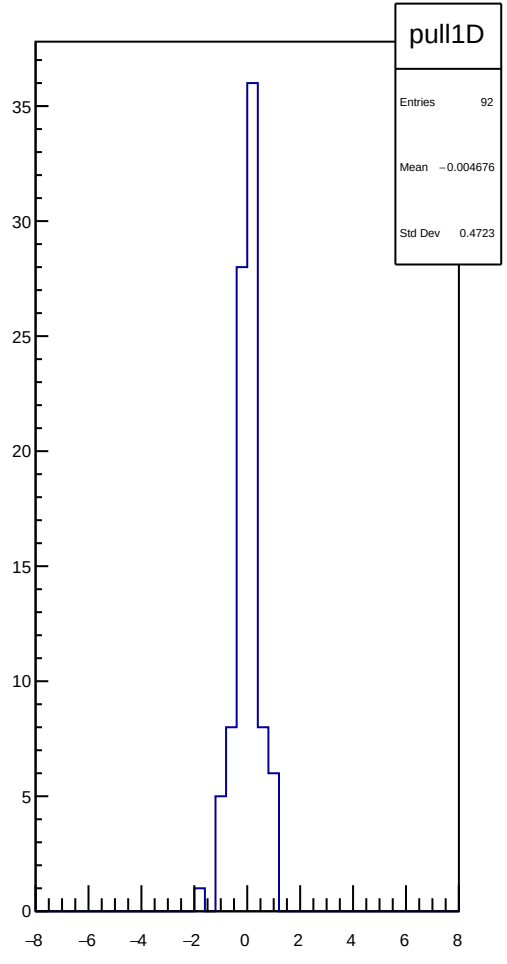

asym_bcm_an_diff_rms vs run
×10^3
600
500
400
300
200
100
χ² / ndf 1.202e+05 / 76
p0 2.912e+04 ± 25.34

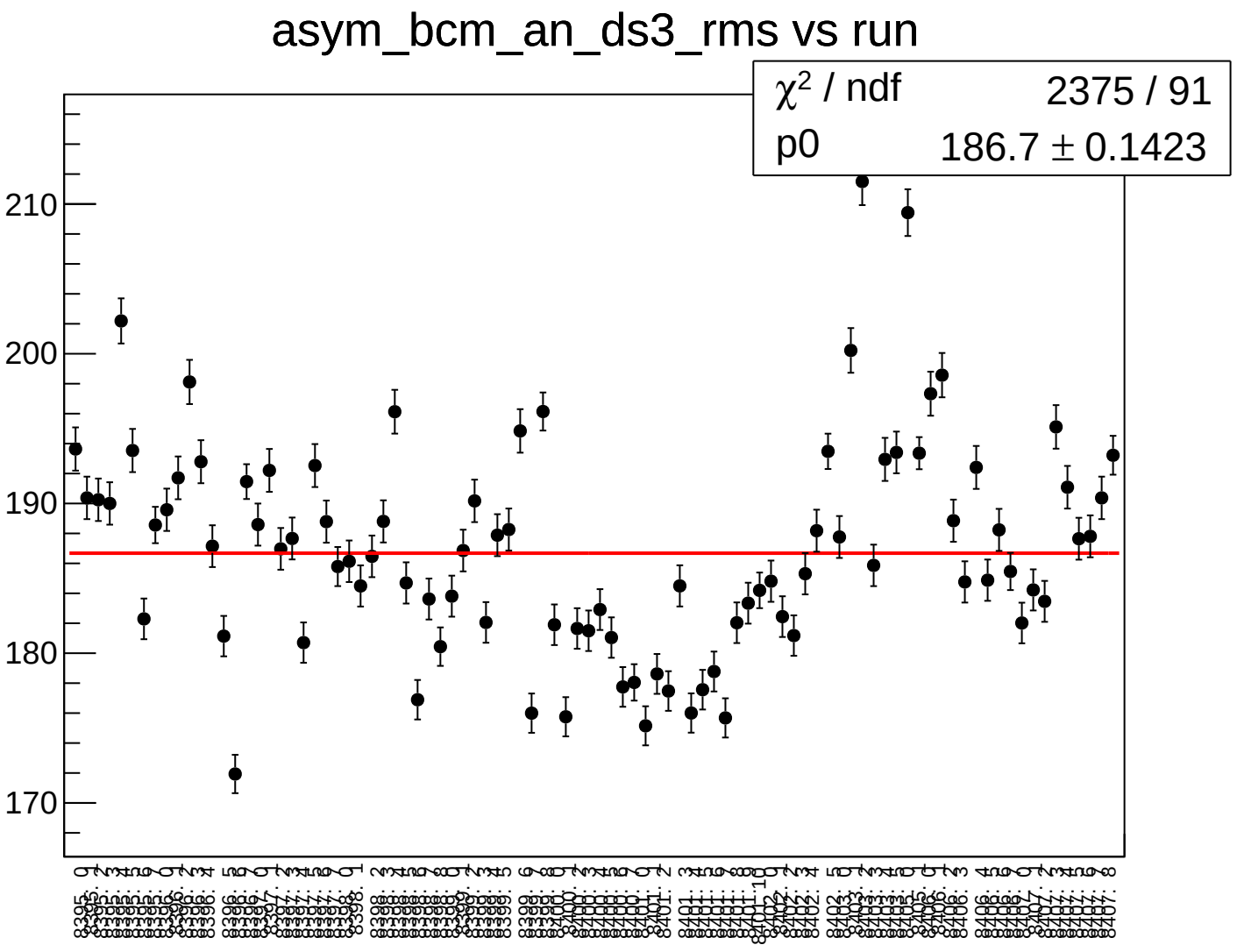

asym_bcm_an_ds_mean vs run
χ² / ndf 20.67 / 91
p0 −276.6 ± 200.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 386.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

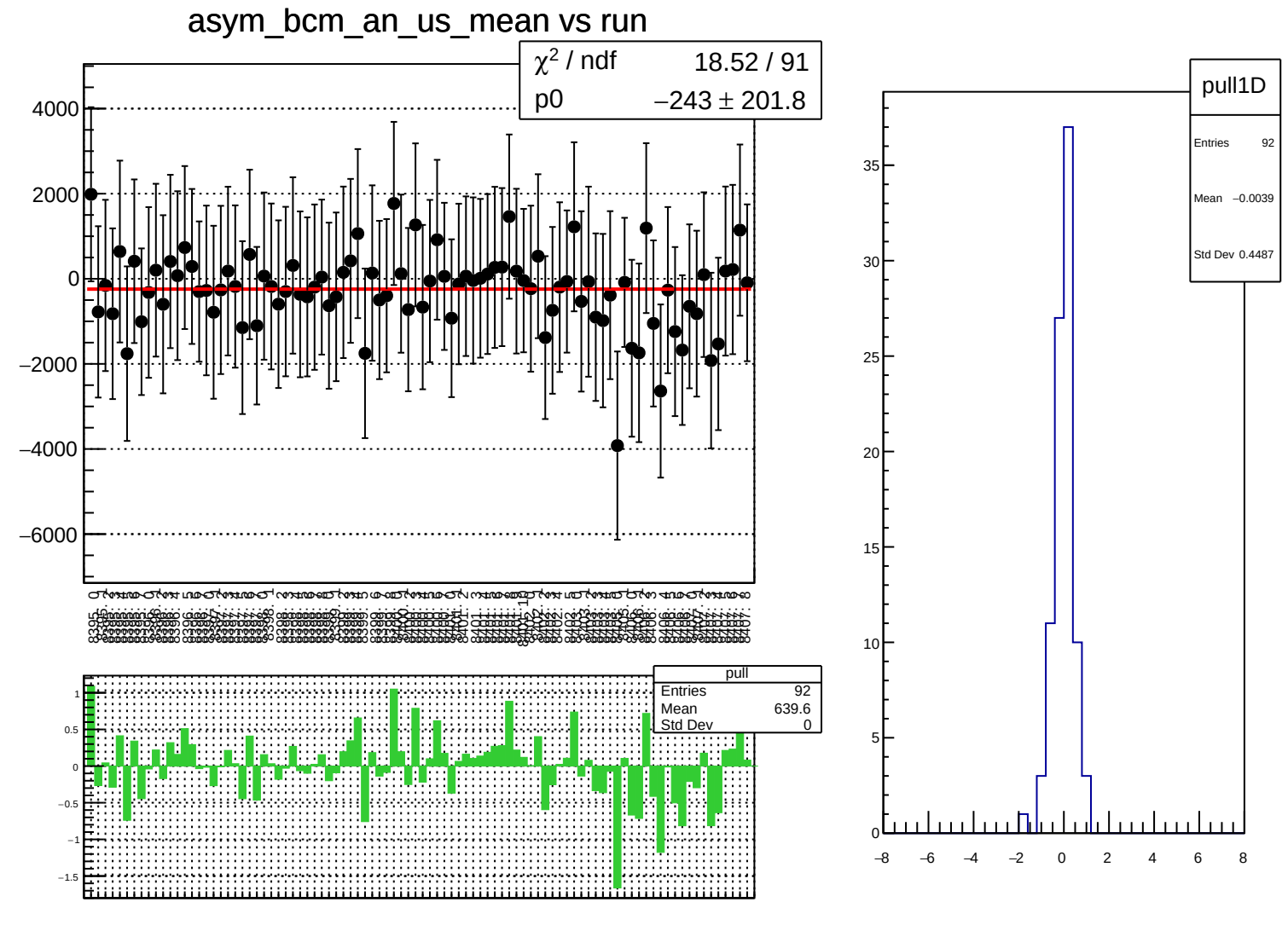

pull1D
Entries 92
Mean −0.005068
Std Dev 0.474
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

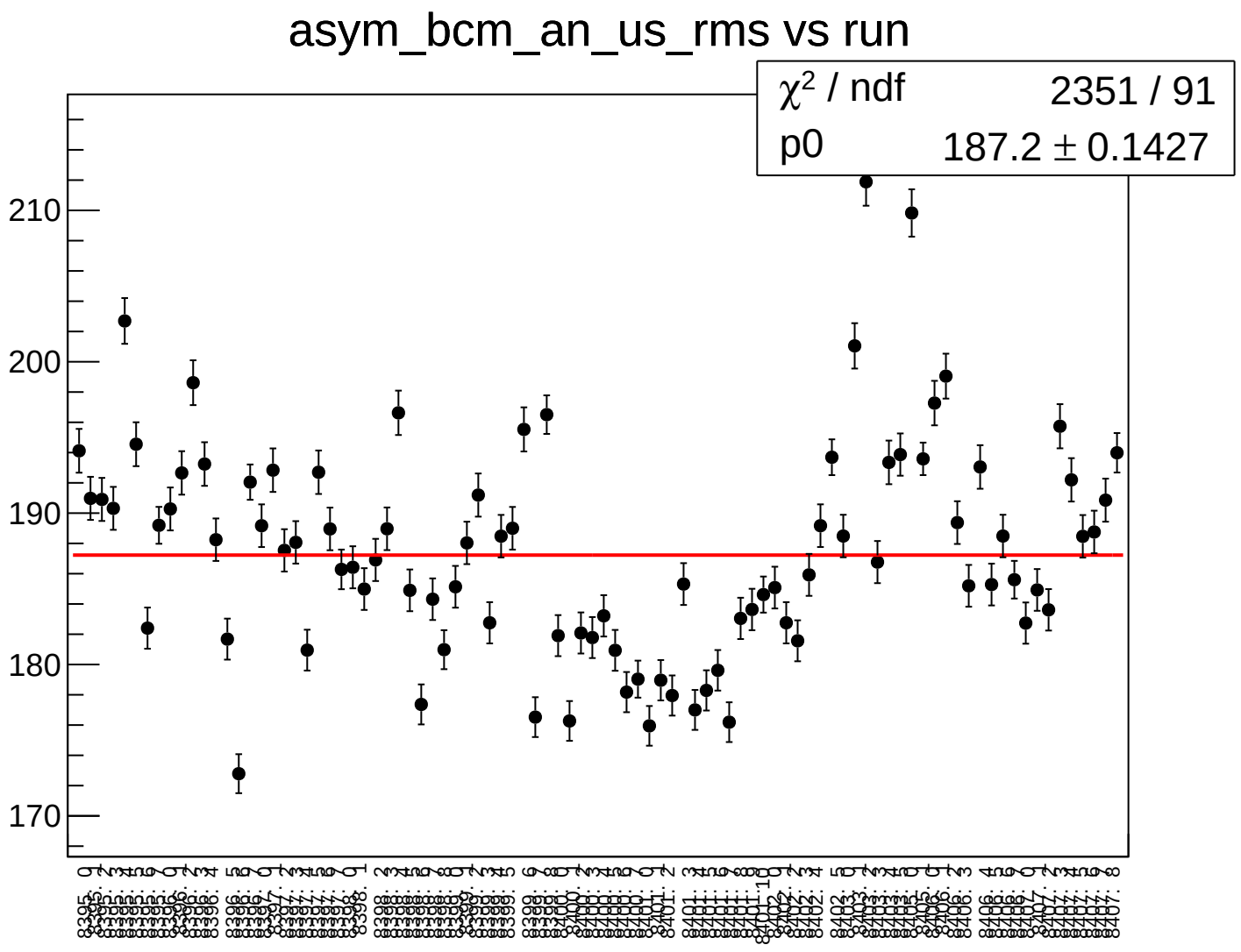

asym_bcm_an_ds_rms vs run
$\chi^2$ / ndf 2360 / 91
p0 185.8 ± 0.1416
210
200
190
180
170

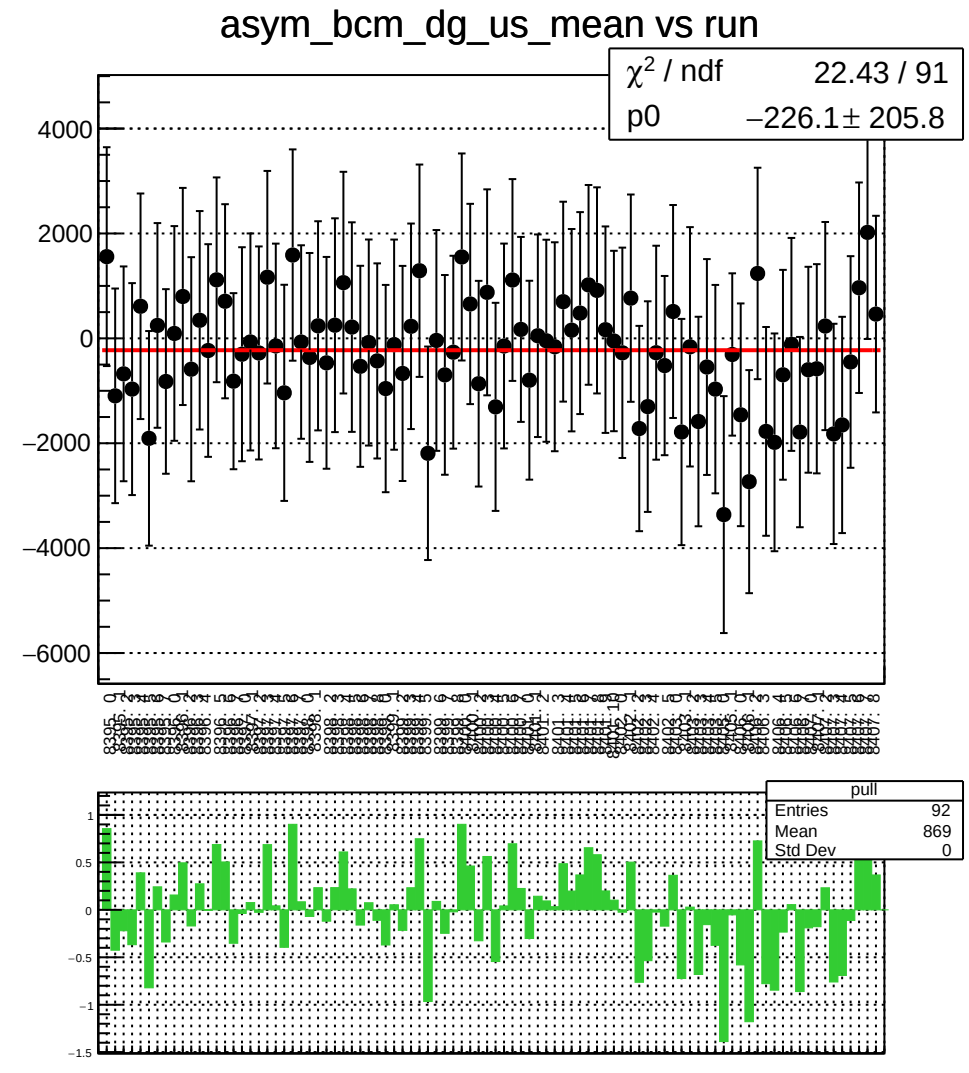

asym_bcm_an_ds3_mean vs run
χ² / ndf 20.52 / 91
p0 −273.2 ± 201.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 411.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

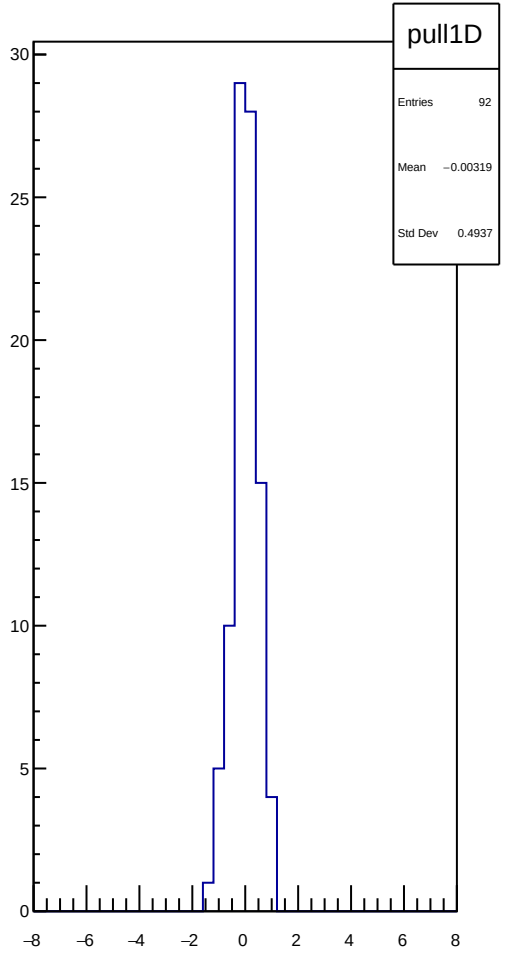

pull1D
Entries 92
Mean −0.004676
Std Dev 0.4723
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

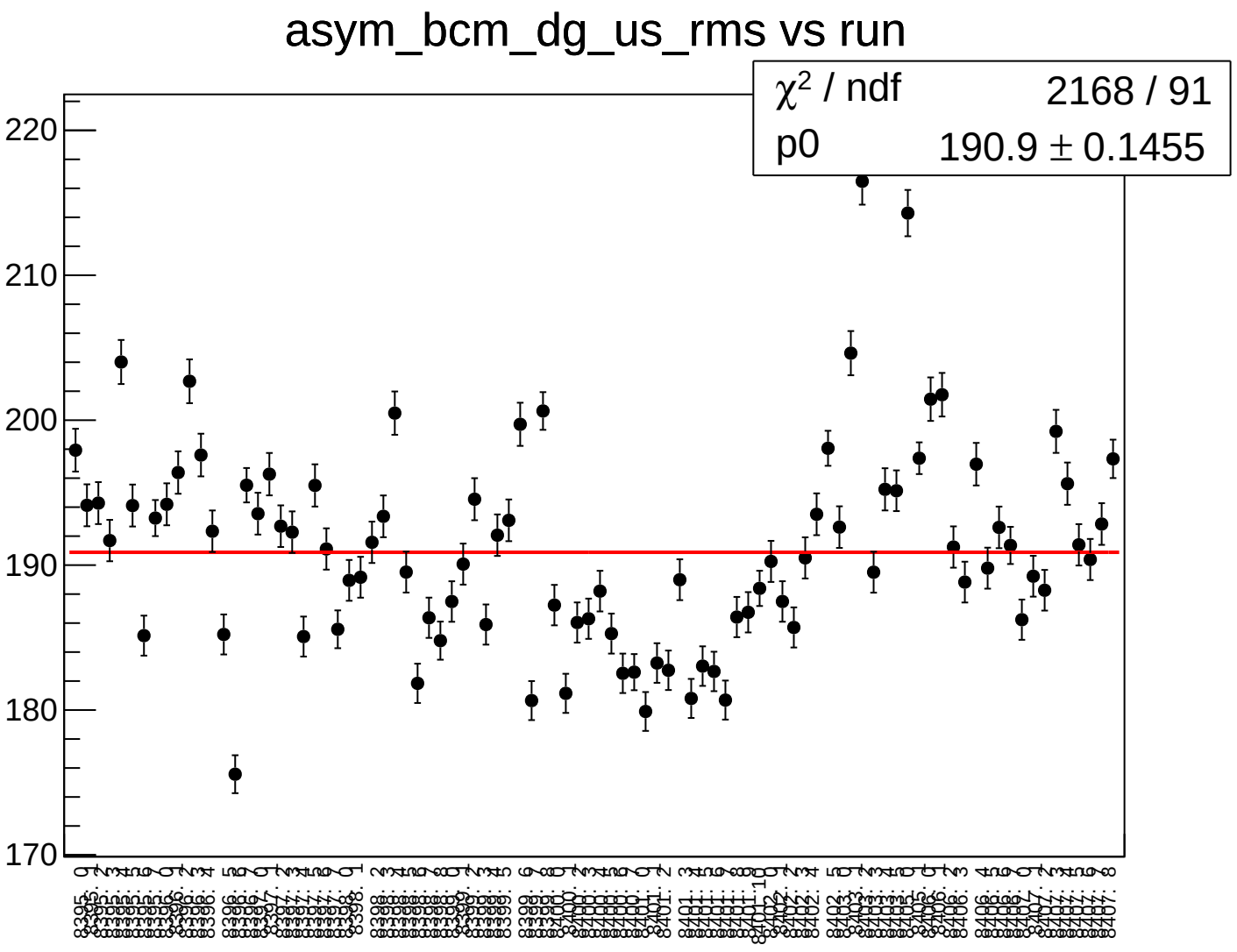

asym_bcm_an_ds3_rms vs run
χ² / ndf 2375 / 91
p0 186.7 ± 0.1423
210
200
190
180
170

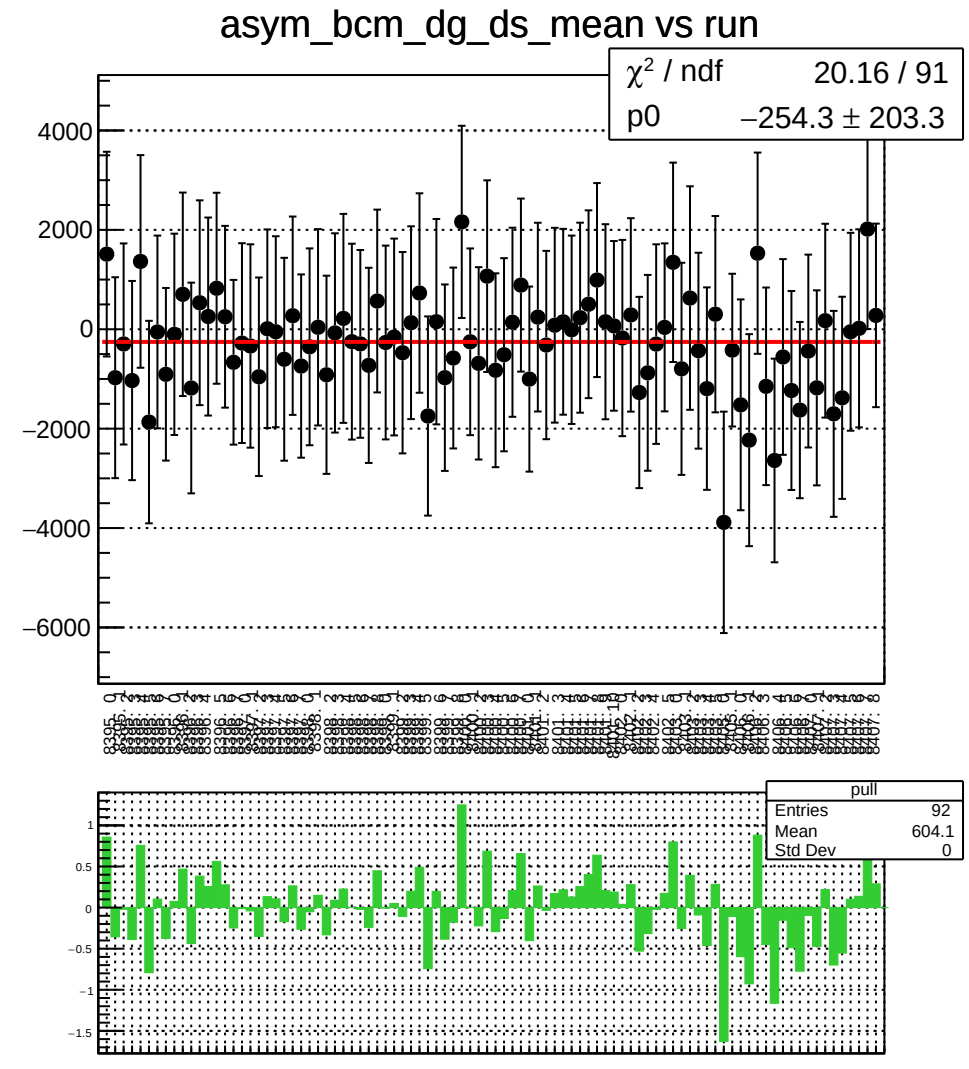

asym_bcm_an_us_mean vs run
χ² / ndf 18.52 / 91
p0 −243 ± 201.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 639.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.0039
Std Dev 0.4487
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

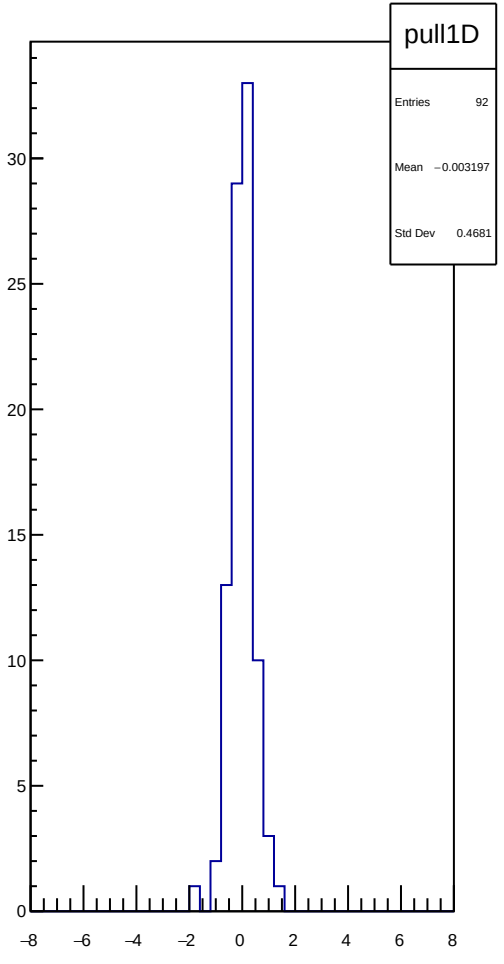

asym_bcm_an_us_rms vs run
χ² / ndf 2351 / 91
p0 187.2 ± 0.1427
210
200
190
180
170

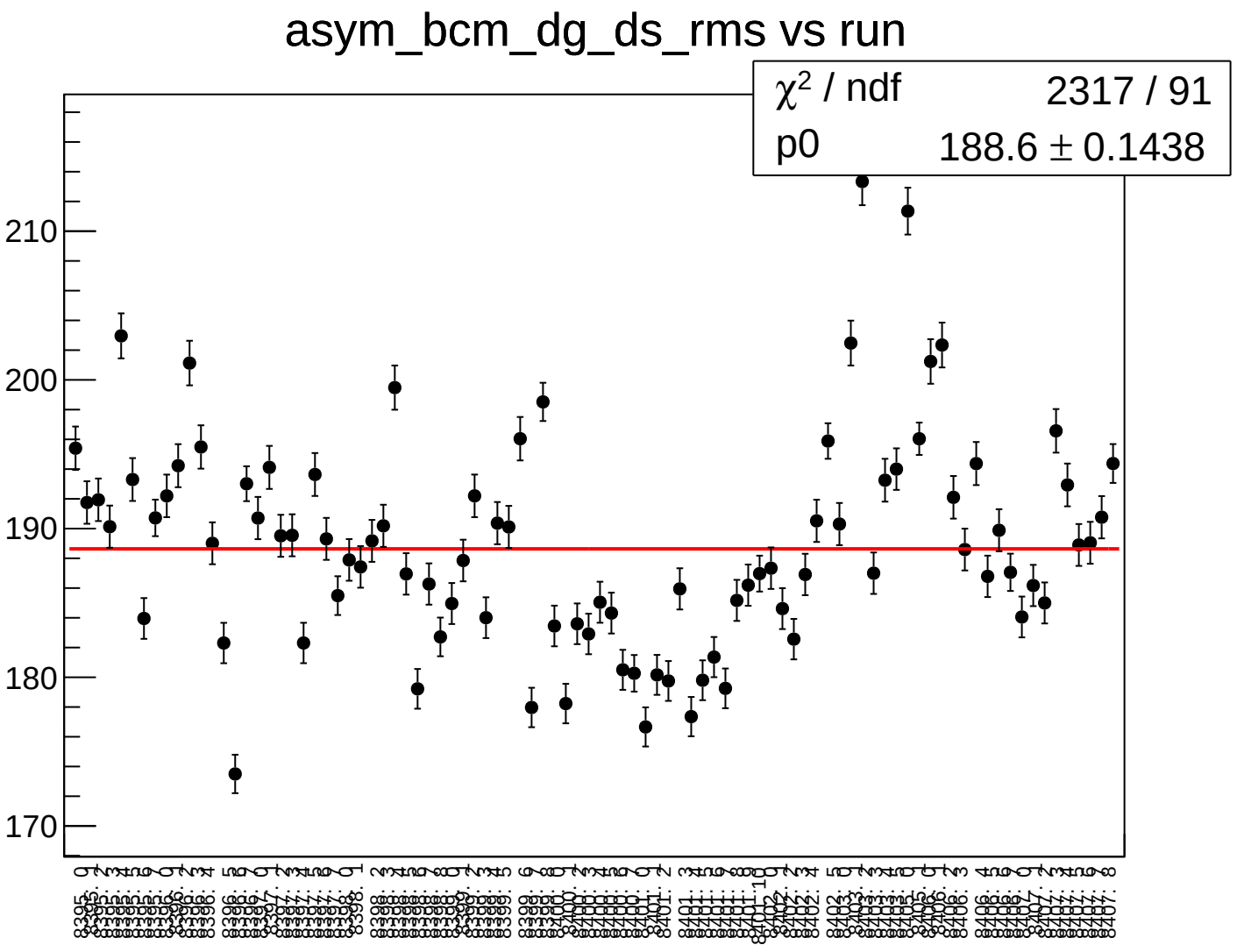

asym_bcm_dg_us_mean vs run
χ² / ndf 22.43 / 91
p0 −226.1± 205.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 869
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

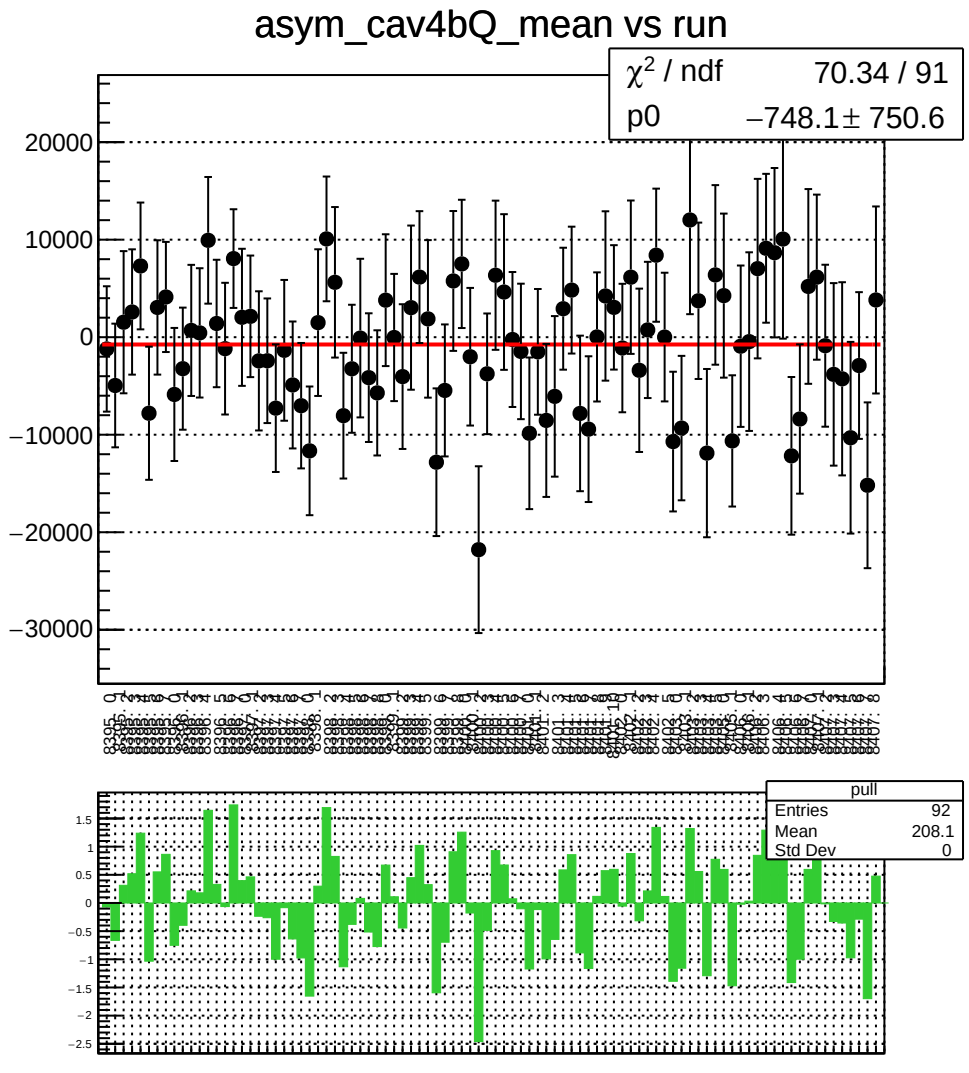

pull1D
Entries 92
Mean −0.00319
Std Dev 0.4937
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

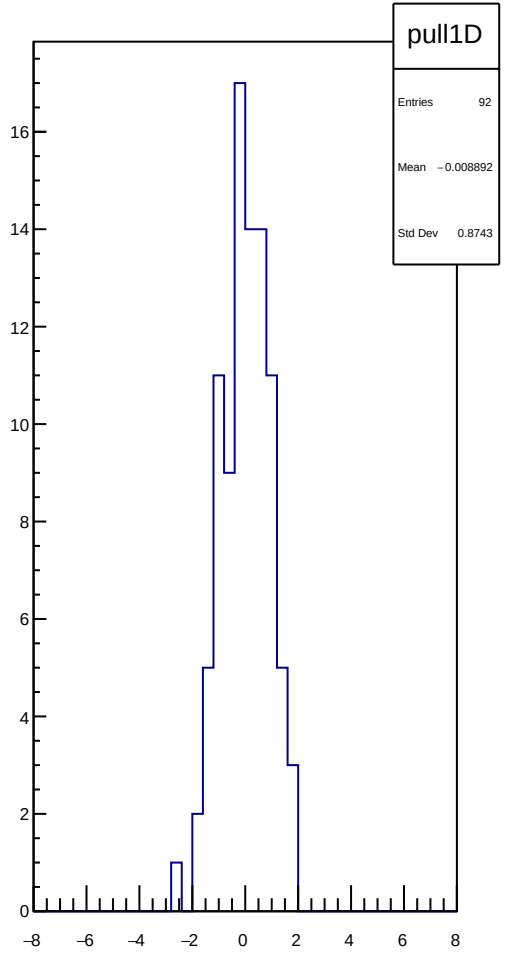

asym_bcm_dg_us_rms vs run
χ² / ndf 2168 / 91
p0 190.9 ± 0.1455
220
210
200
190
180
170

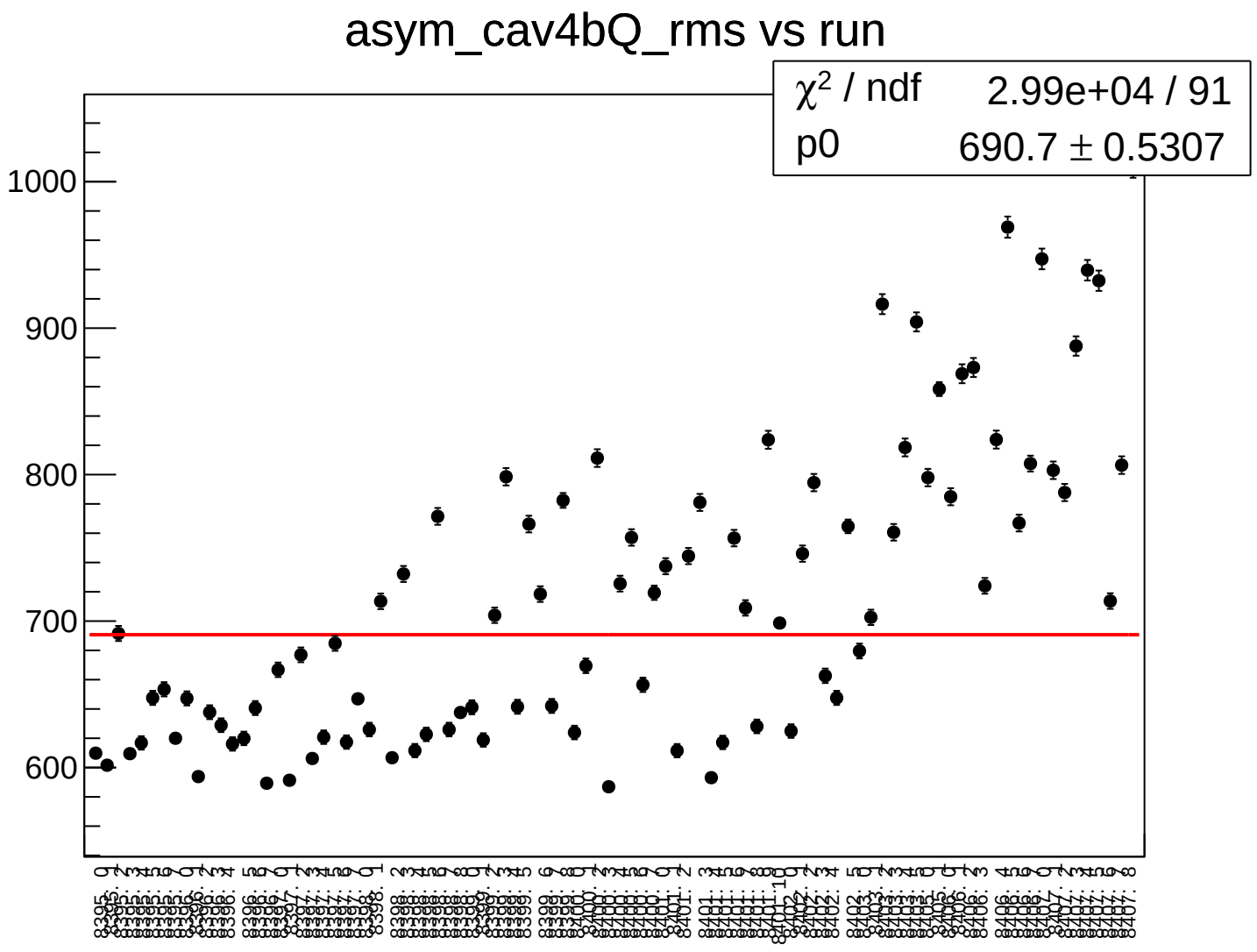

asym_bcm_dg_ds_mean vs run
χ² / ndf 20.16 / 91
p0 −254.3 ± 203.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 604.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

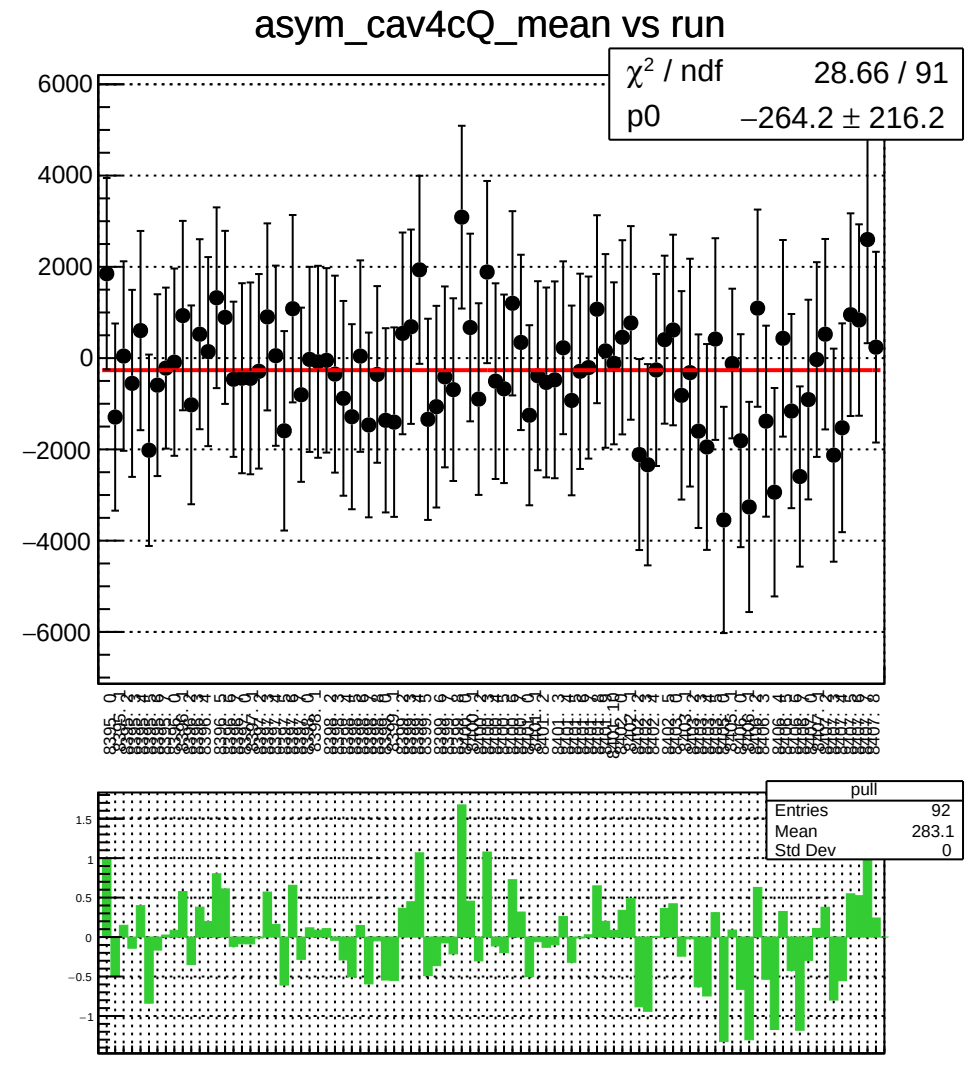

pull1D
Entries 92
Mean −0.003197
Std Dev 0.4681
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

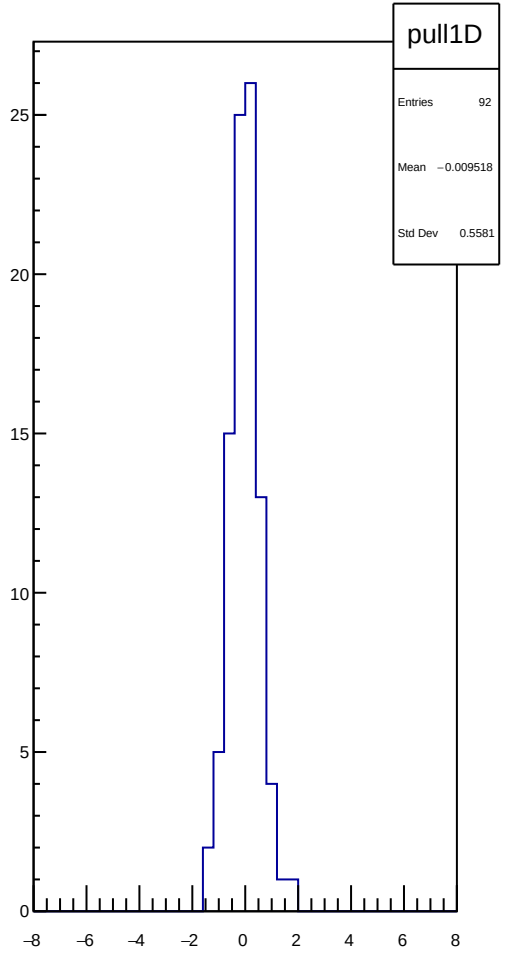

asym_bcm_dg_ds_rms vs run
χ² / ndf 2317 / 91
p0 188.6 ± 0.1438
210
200
190
180
170

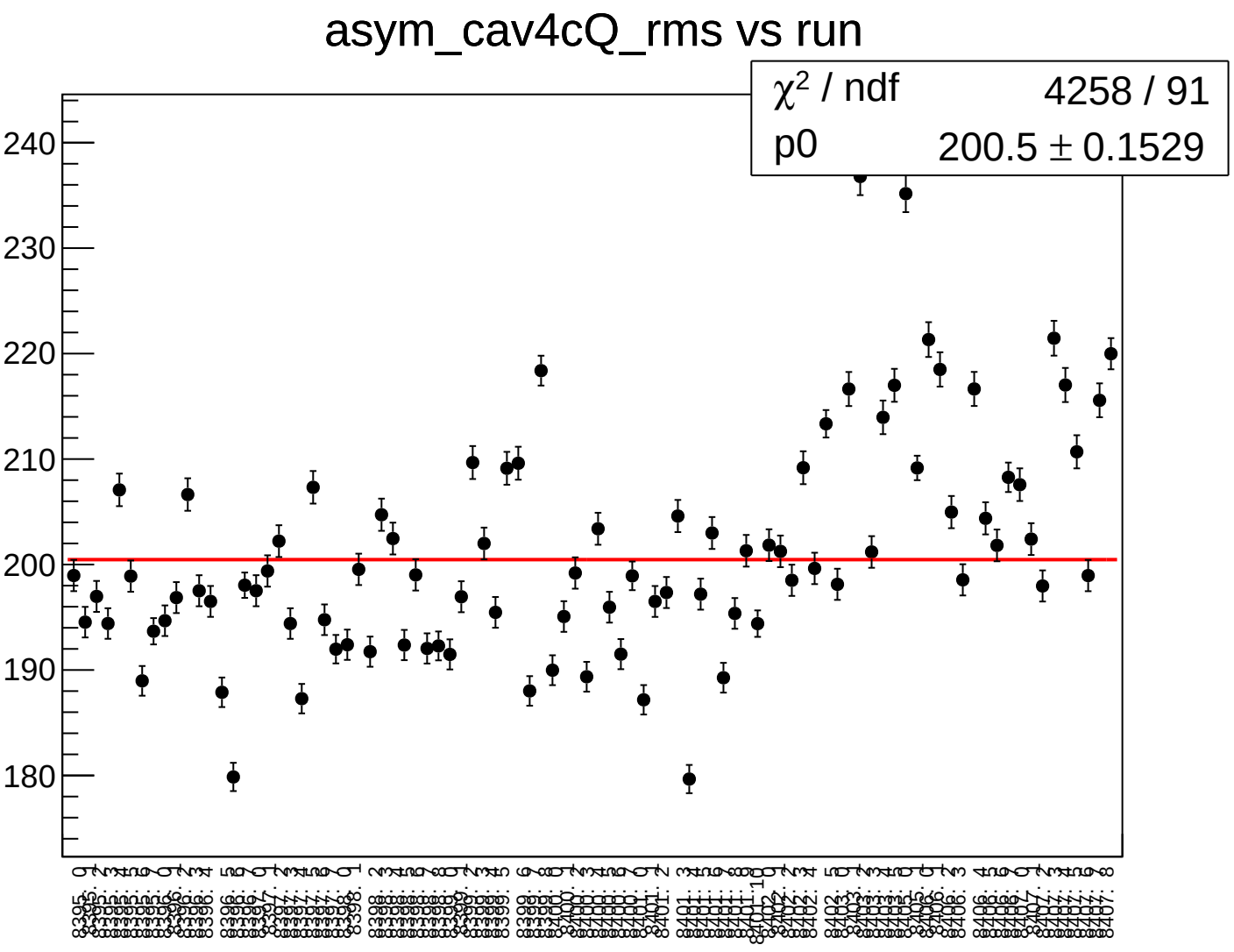

asym_cav4bQ_mean vs run
χ² / ndf 70.34 / 91
p0 −748.1± 750.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 208.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

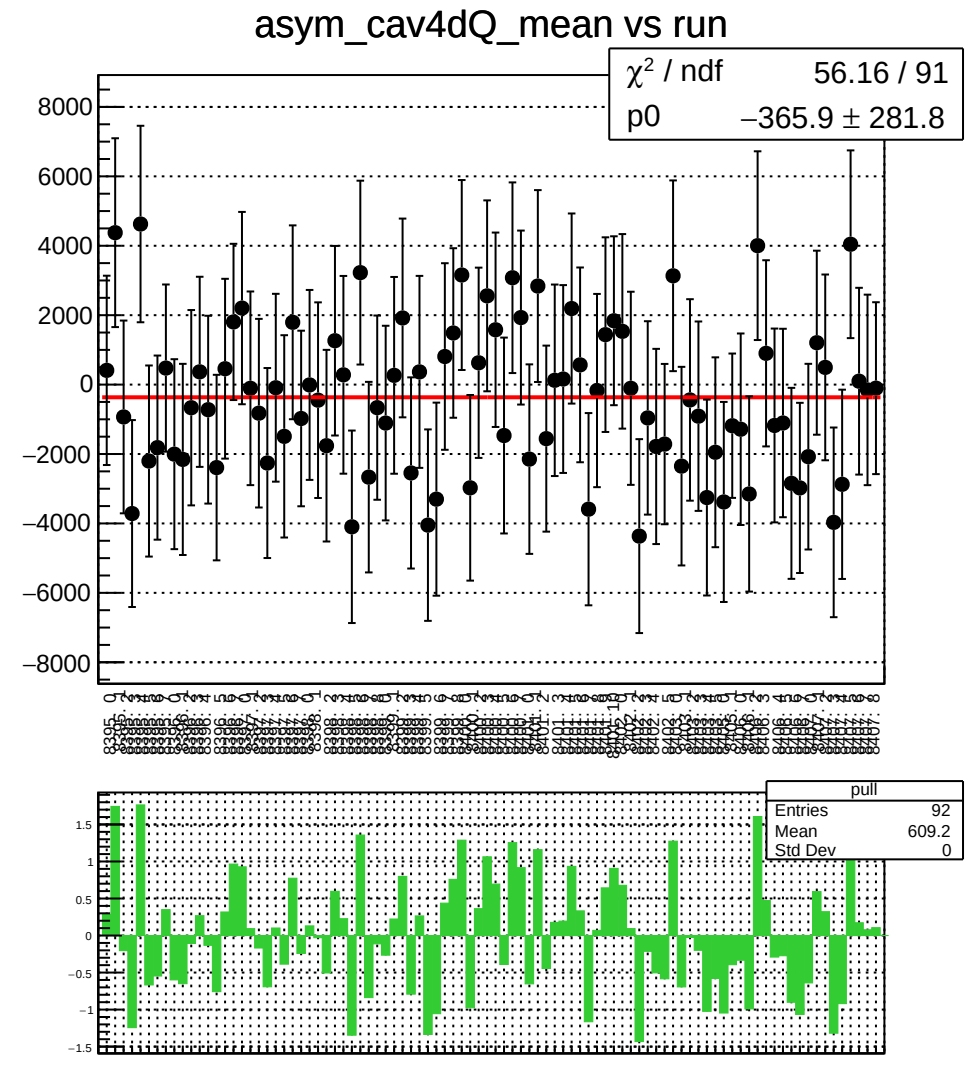

pull1D
Entries 92
Mean −0.008892
Std Dev 0.8743
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

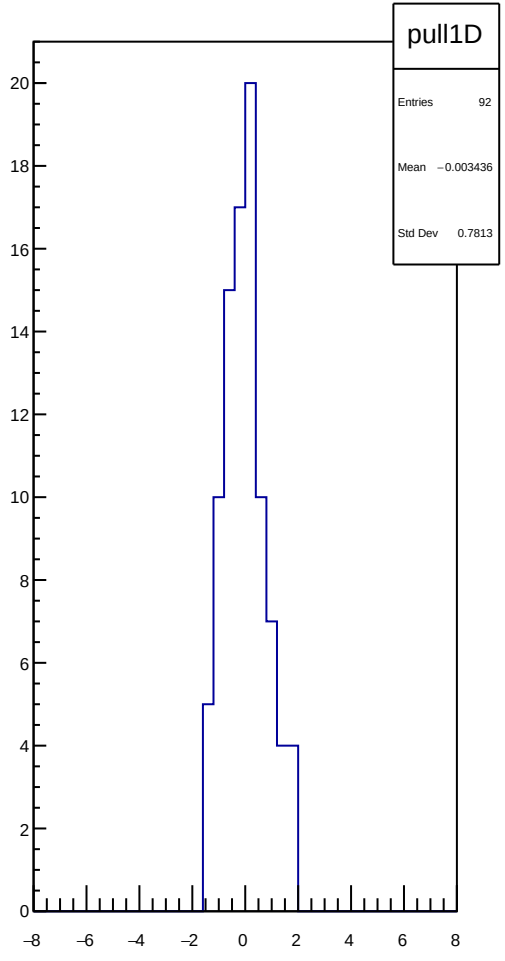

asym_cav4bQ_rms vs run
χ² / ndf 2.99e+04 / 91
p0 690.7 ± 0.5307
1000
900
800
700
600

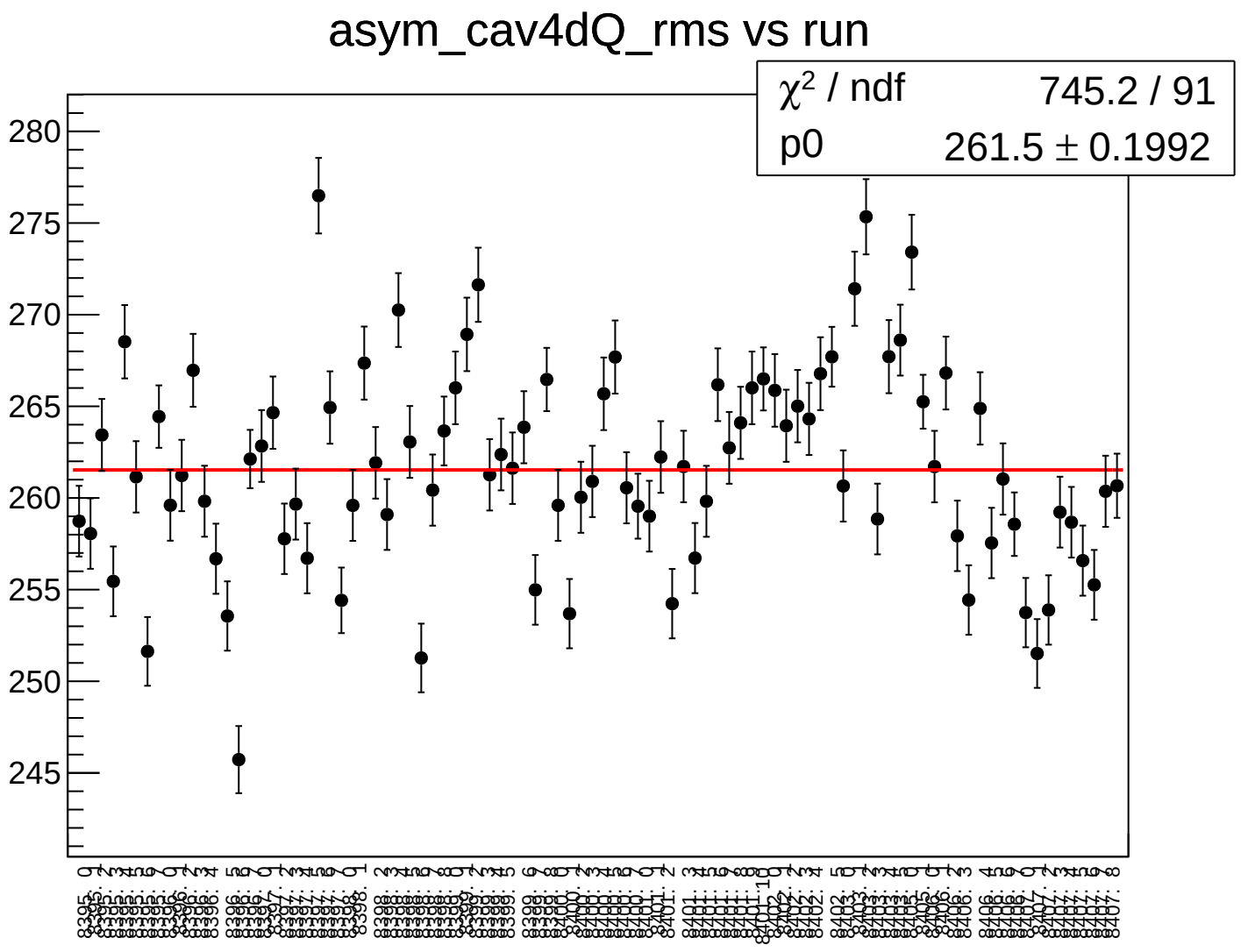

asym_cav4cQ_mean vs run
χ² / ndf 28.66 / 91
p0 −264.2 ± 216.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 283.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

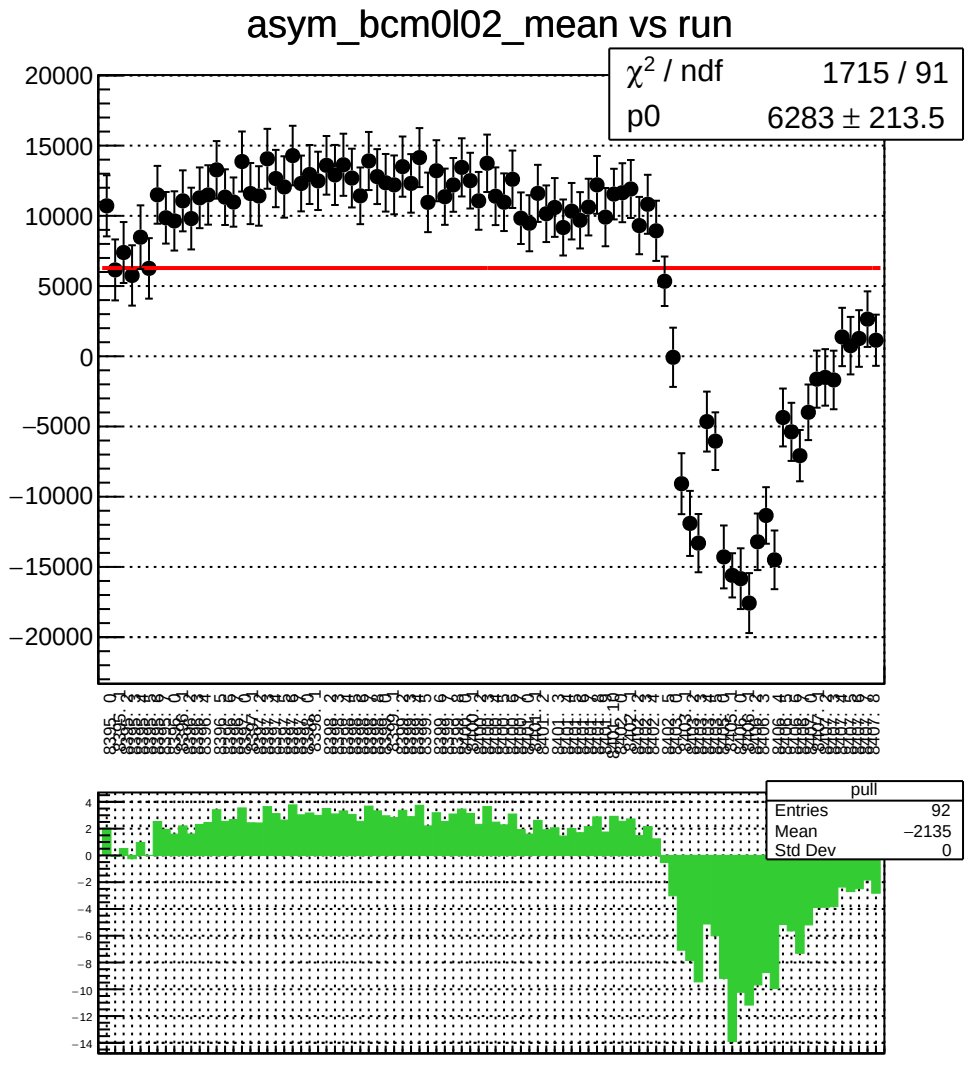

pull1D
Entries 92
Mean −0.009518
Std Dev 0.5581
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

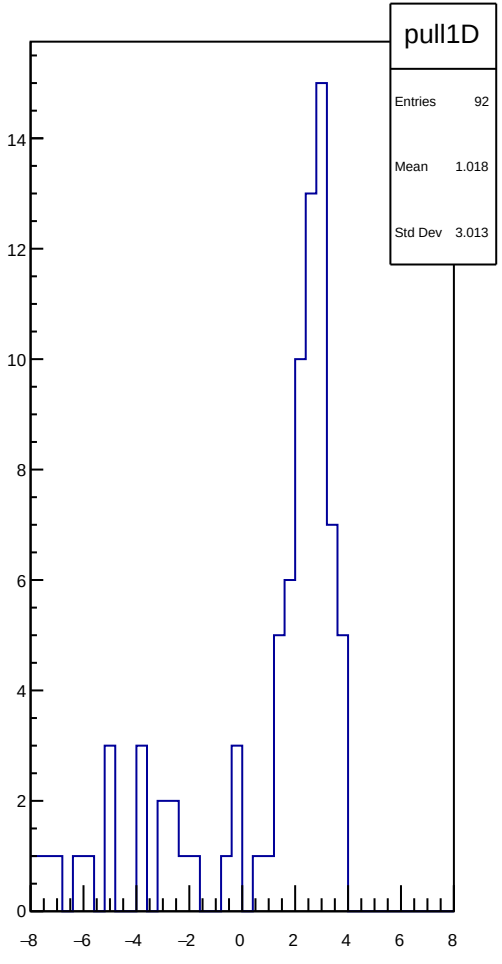

asym_cav4cQ_rms vs run
χ² / ndf 4258 / 91
p0 200.5 ± 0.1529
240
230
220
210
200
190
180

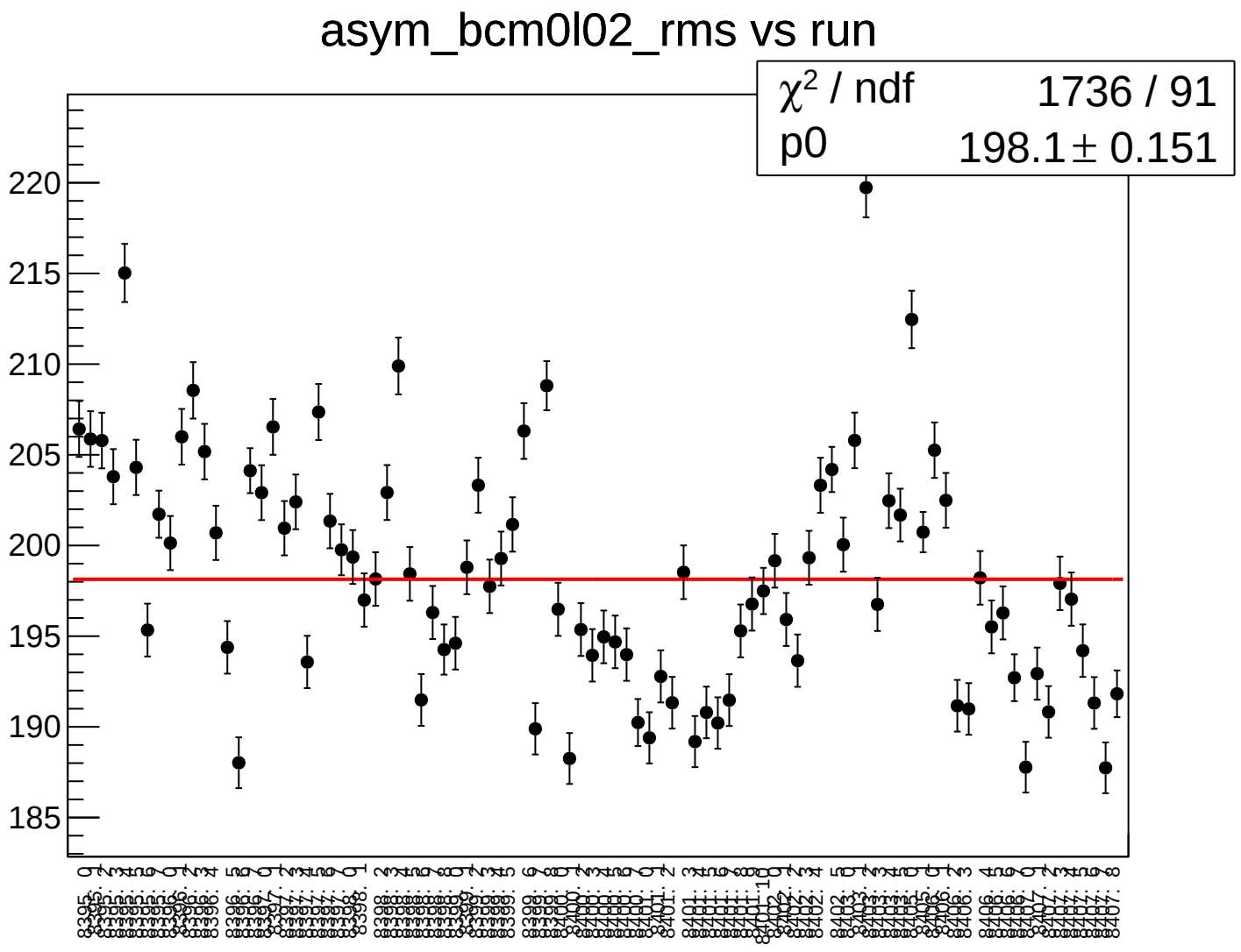

asym_cav4dQ_mean vs run
χ² / ndf 56.16 / 91
p0 −365.9 ± 281.8
pull
Entries 92
Mean 609.2
Std Dev 0

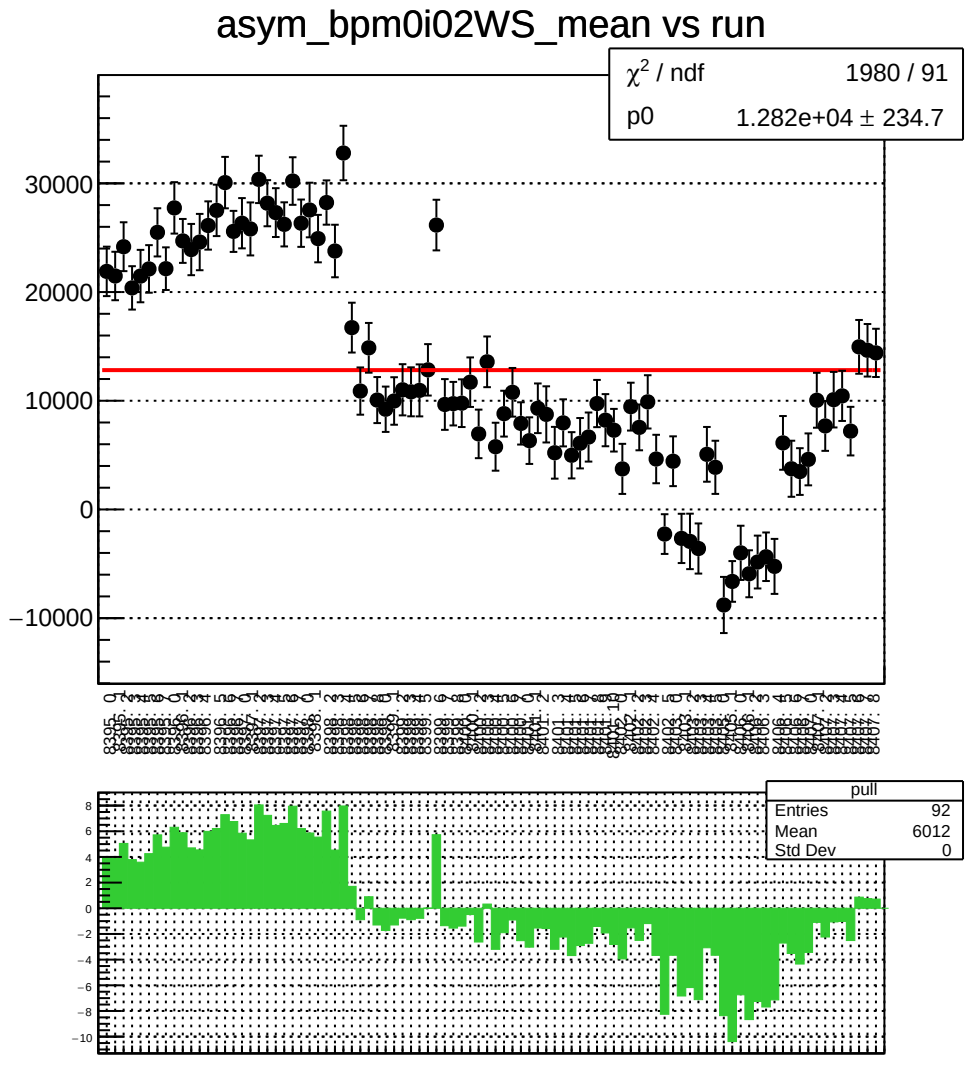

pull1D
Entries 92
Mean −0.003436
Std Dev 0.7813

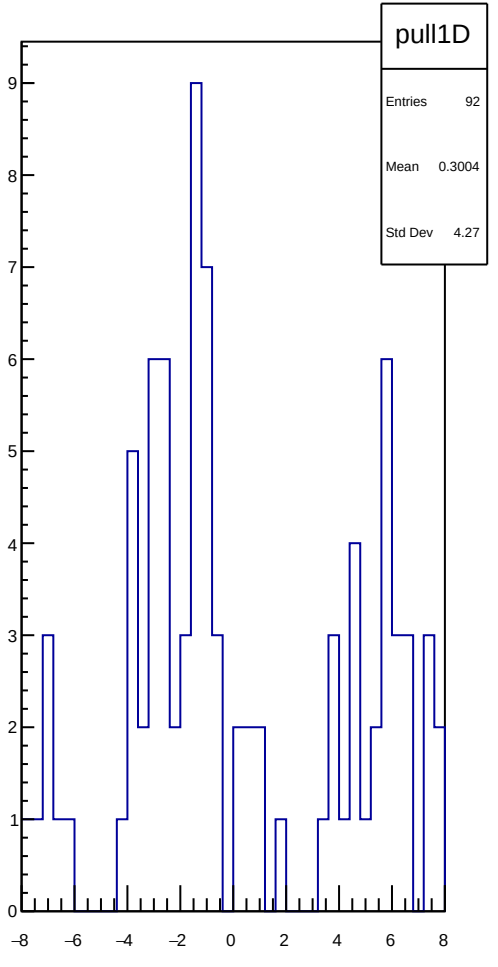

asym_cav4dQ_rms vs run
$\chi^2$ / ndf 745.2 / 91
p0 261.5 ± 0.1992
280
275
270
265
260
255
250
245

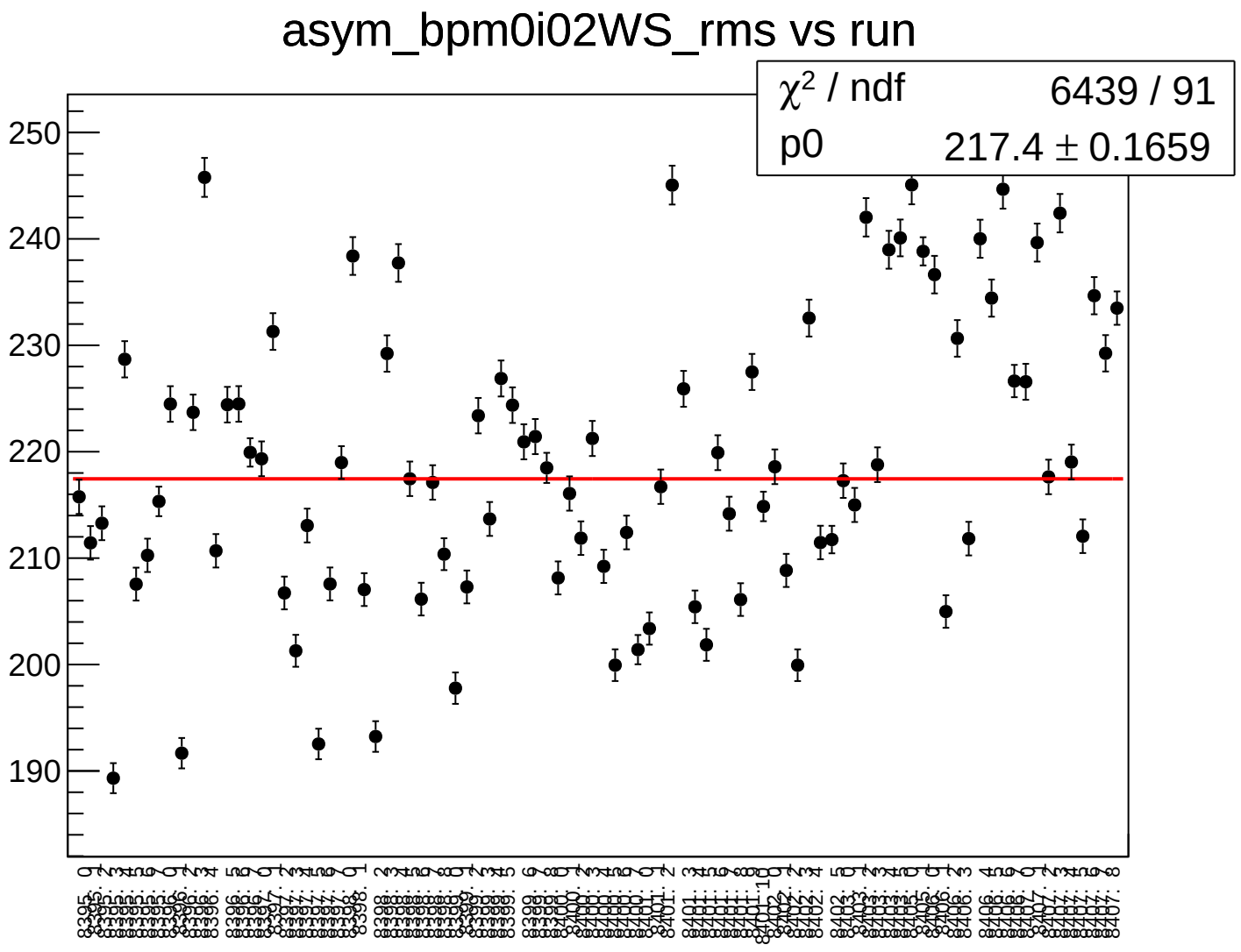

asym_bcm0l02_mean vs run
χ² / ndf 1715 / 91
p0 6283 ± 213.5
pull
Entries 92
Mean −2135
Std Dev 0

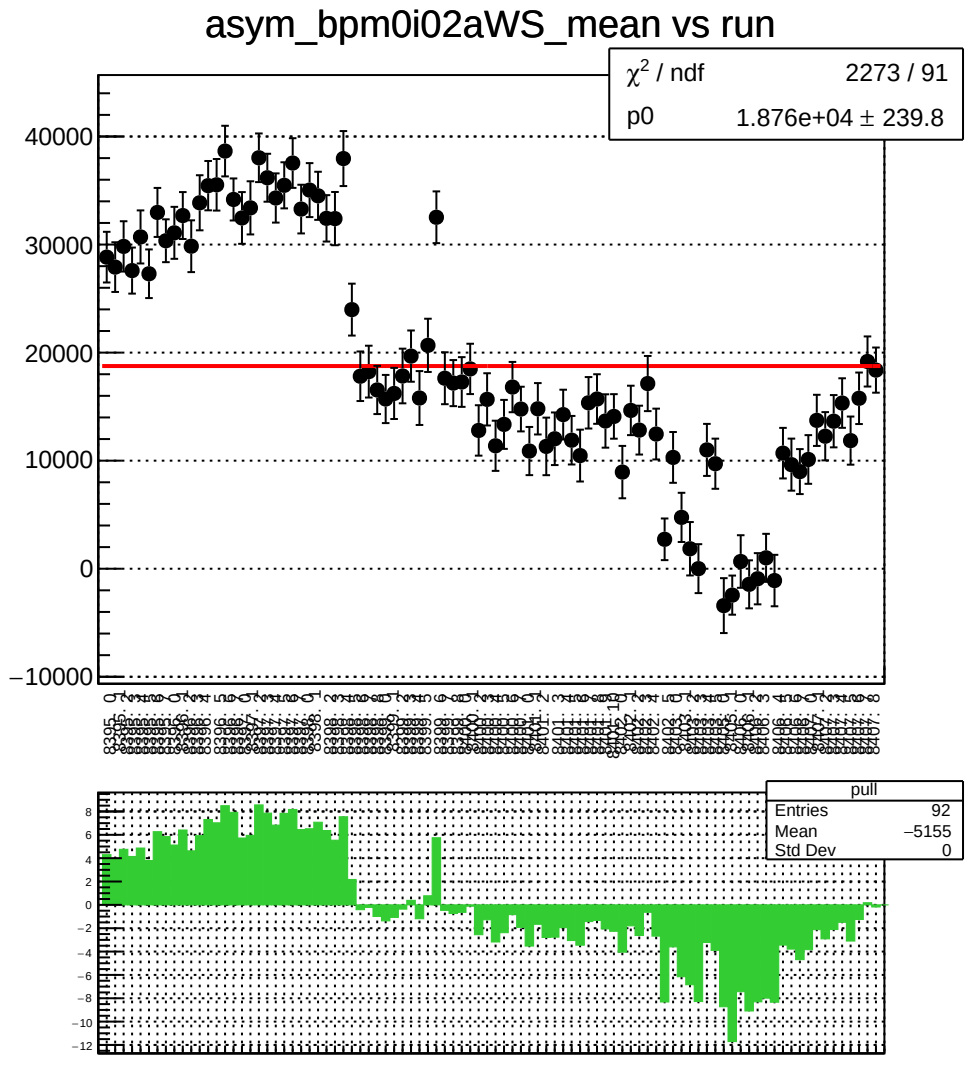

pull1D
Entries 92
Mean 1.018
Std Dev 3.013

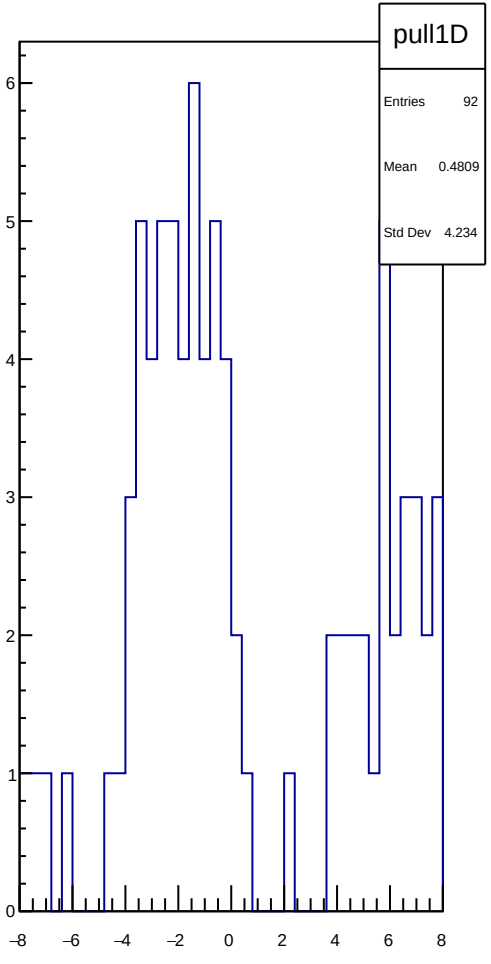

asym_bcm0l02_rms vs run
$\chi^2$ / ndf 1736 / 91
p0 198.1 ± 0.151
220
215
210
205
200
195
190
185

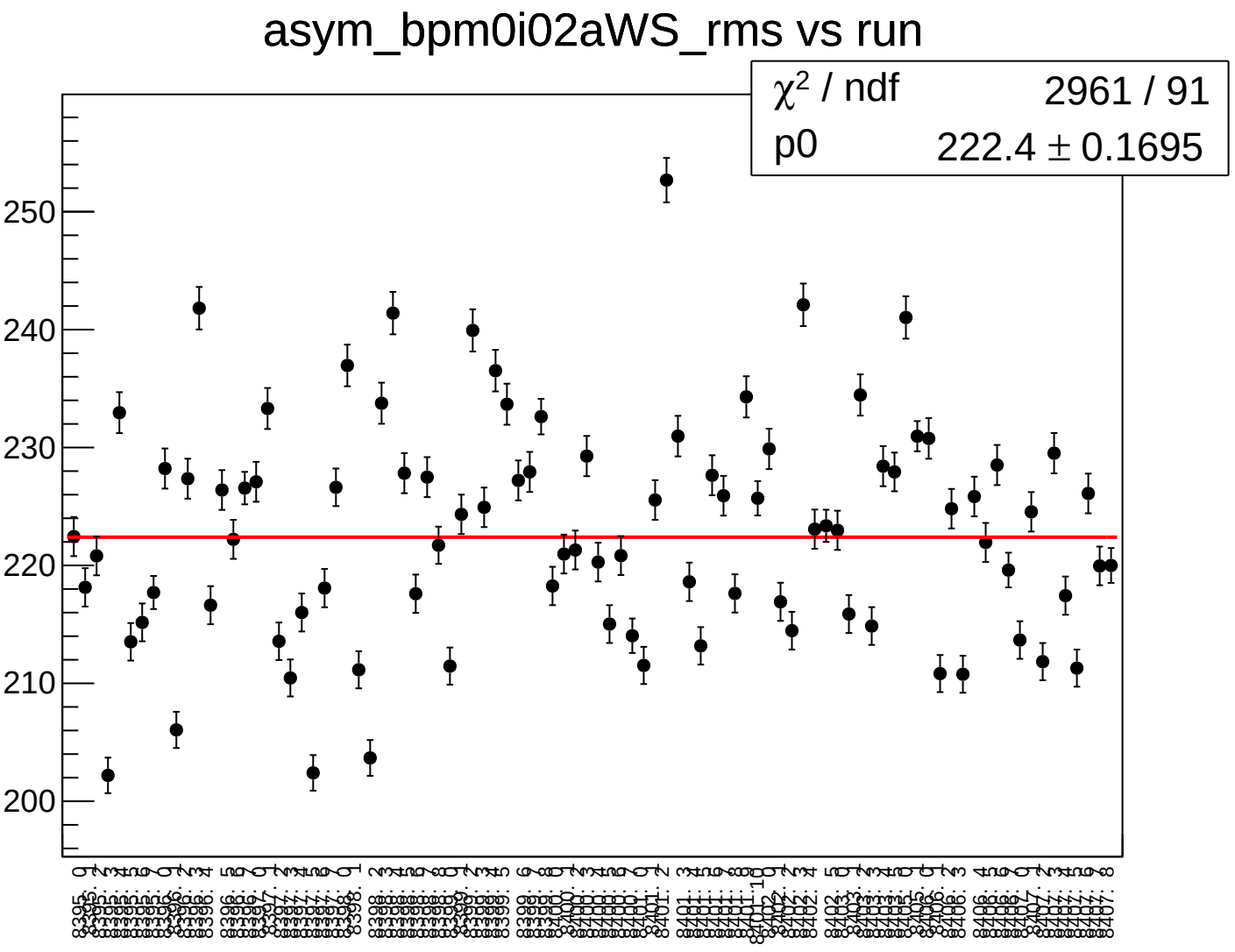

asym_bpm0i02WS_mean vs run
χ² / ndf 1980 / 91
p0 1.282e+04 ± 234.7
30000
20000
10000
0
−10000
pull
Entries 92
Mean 6012
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10

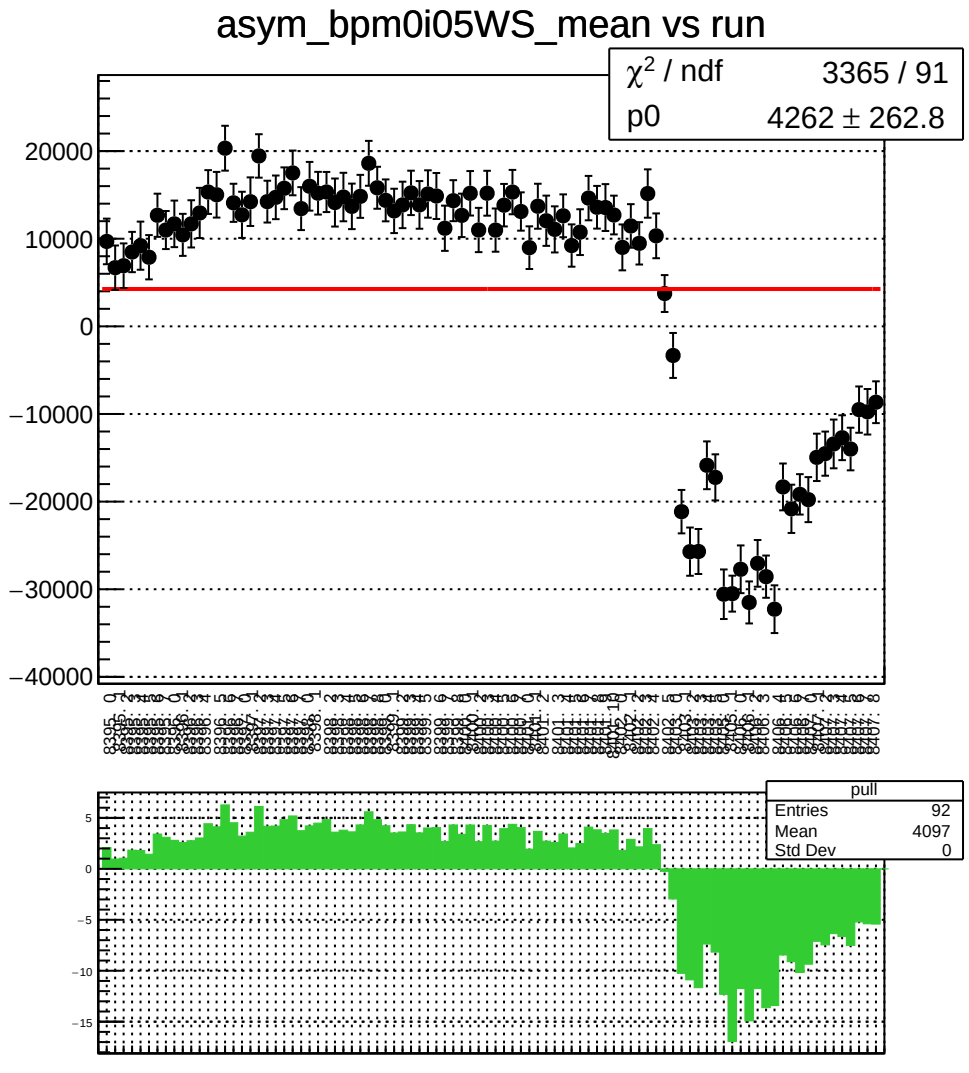

pull1D
Entries 92
Mean 0.3004
Std Dev 4.27
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

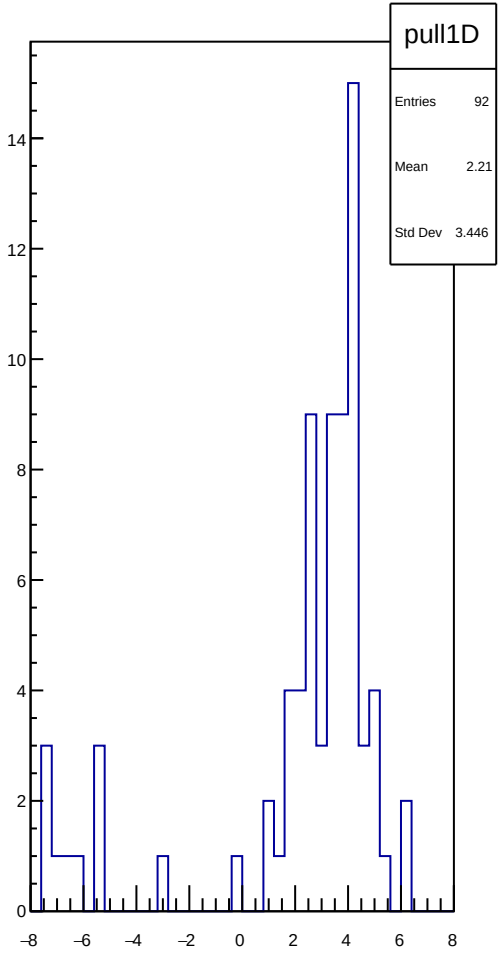

asym_bpm0i02WS_rms vs run
χ² / ndf 6439 / 91
p0 217.4 ± 0.1659
250
240
230
220
210
200
190

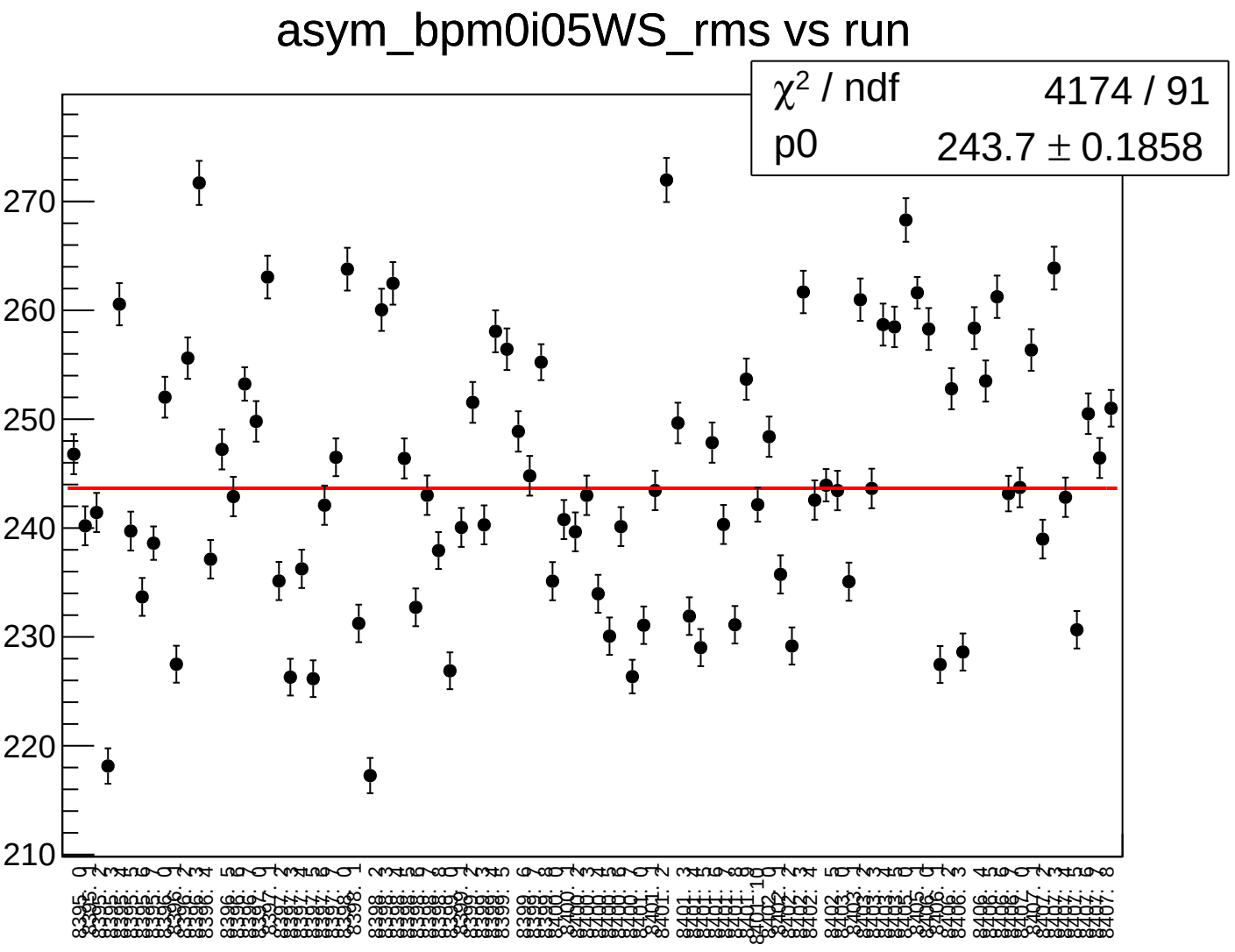

asym_bpm0i02aWS_mean vs run
χ² / ndf 2273 / 91
p0 1.876e+04 ± 239.8
40000
30000
20000
10000
0
−10000
pull
Entries 92
Mean −5155
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

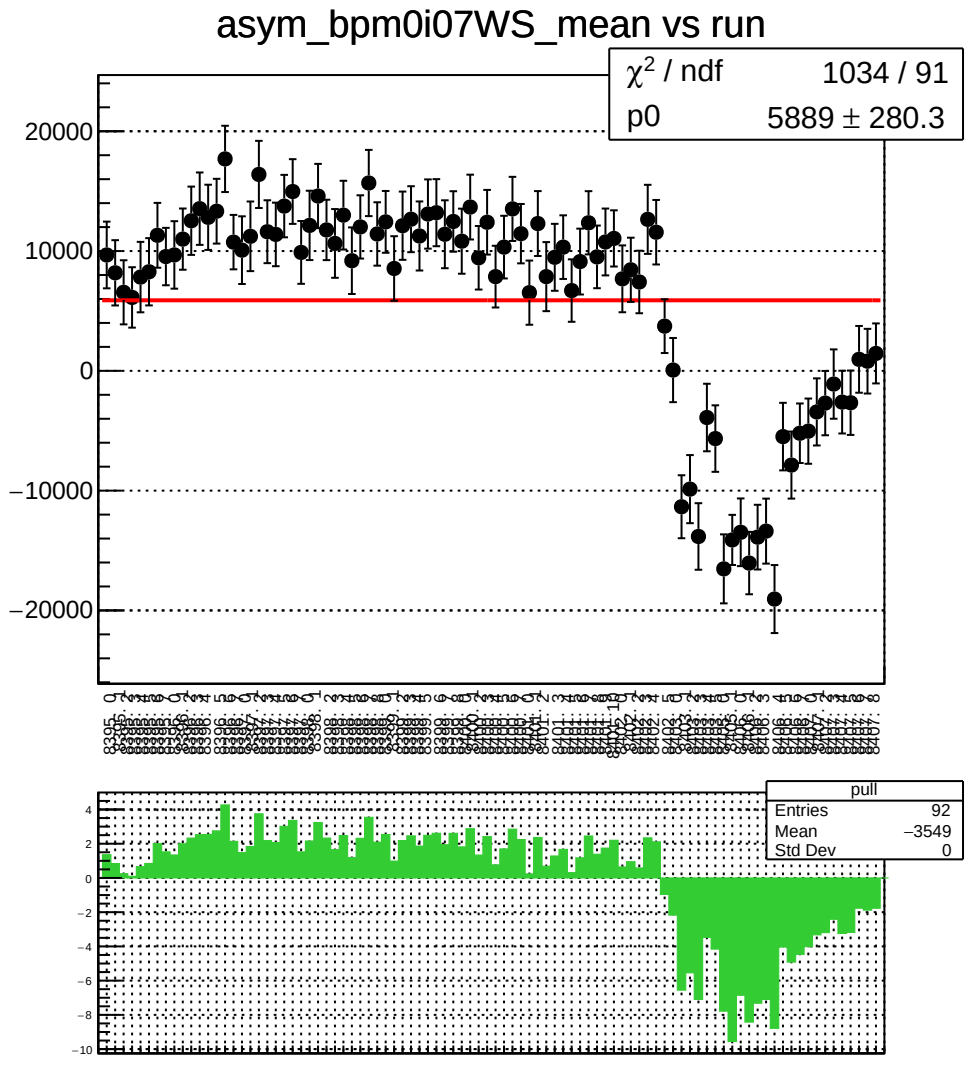

pull1D
Entries 92
Mean 0.4809
Std Dev 4.234
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

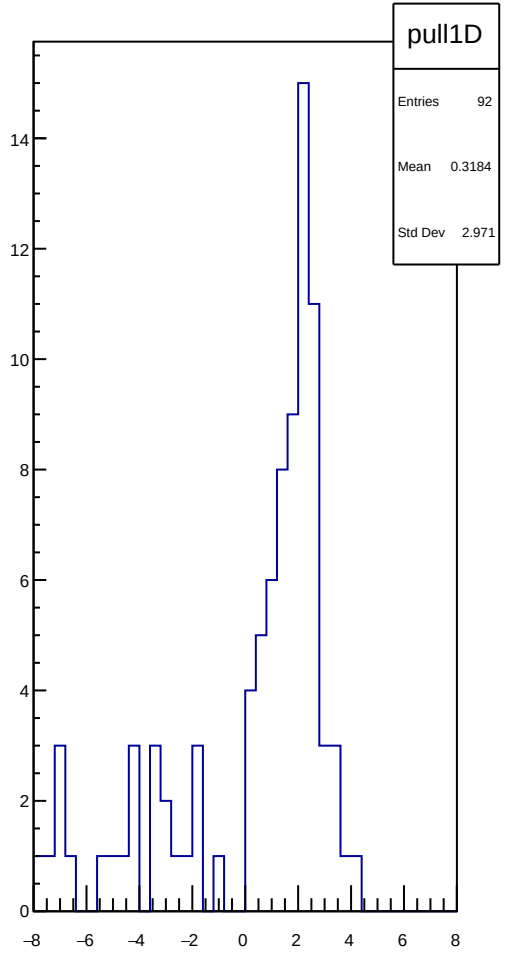

asym_bpm0i02aWS_rms vs run
χ² / ndf 2961 / 91
p0 222.4 ± 0.1695
250
240
230
220
210
200

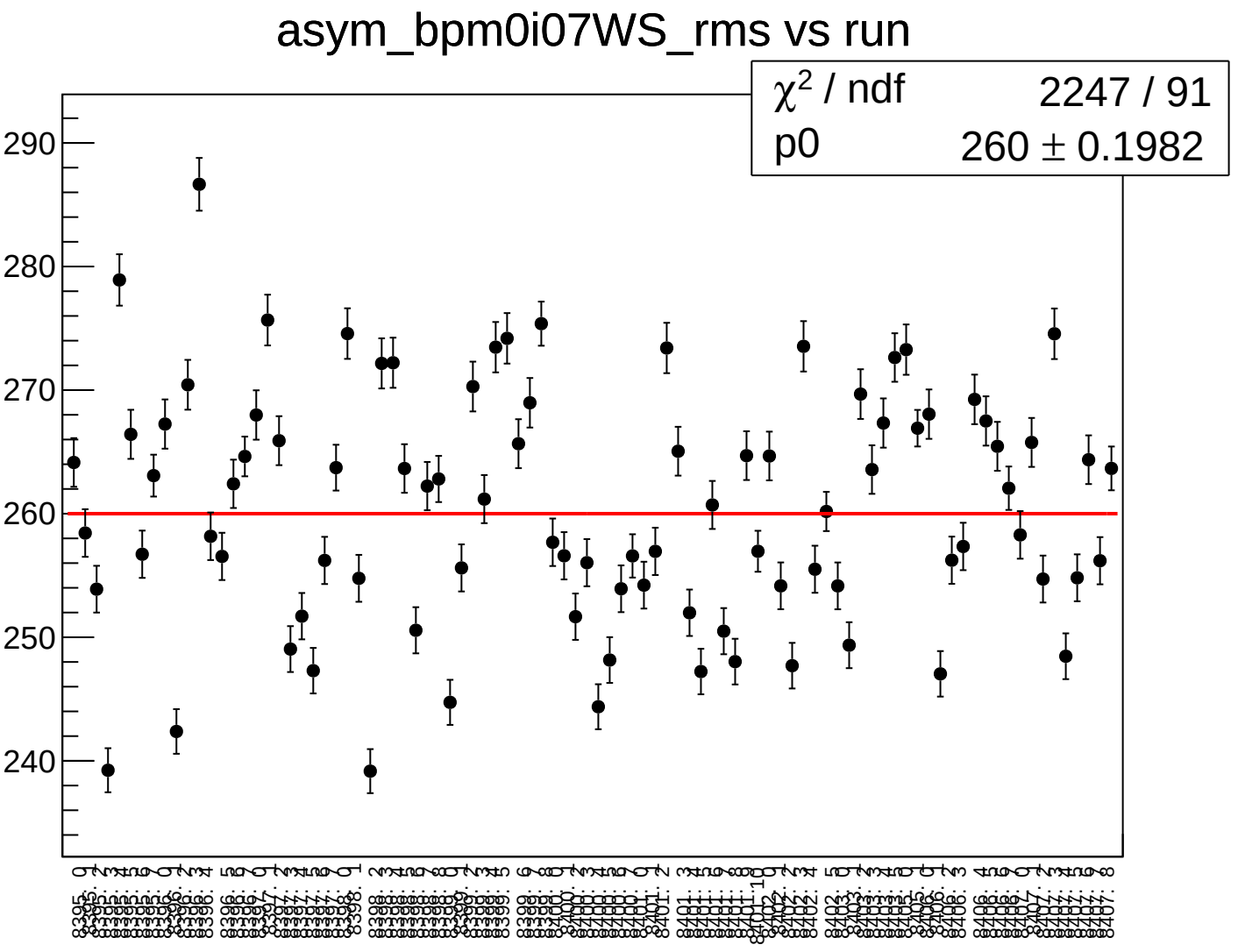

asym_bpm0i05WS_mean vs run
χ² / ndf 3365 / 91
p0 4262 ± 262.8
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 4097
Std Dev 0
5
0
−5
−10
−15

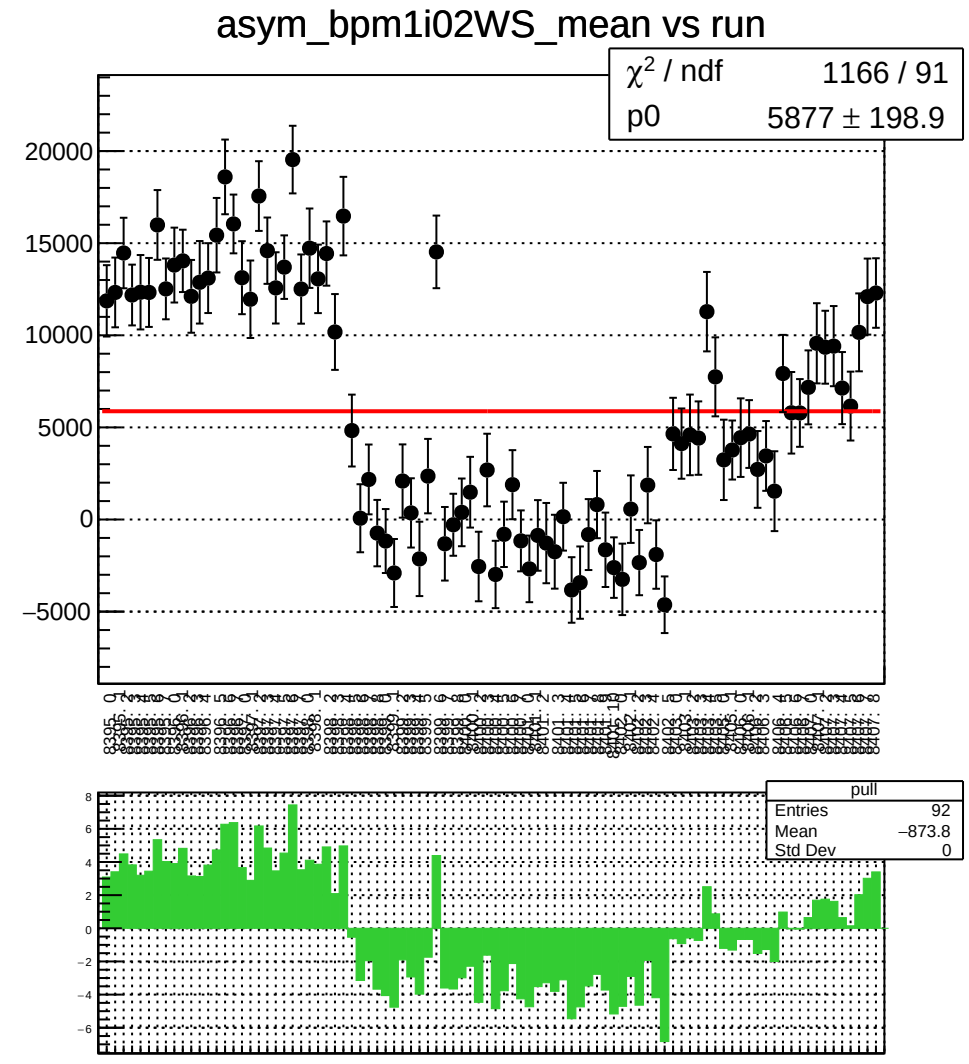

pull1D
Entries 92
Mean 2.21
Std Dev 3.446
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

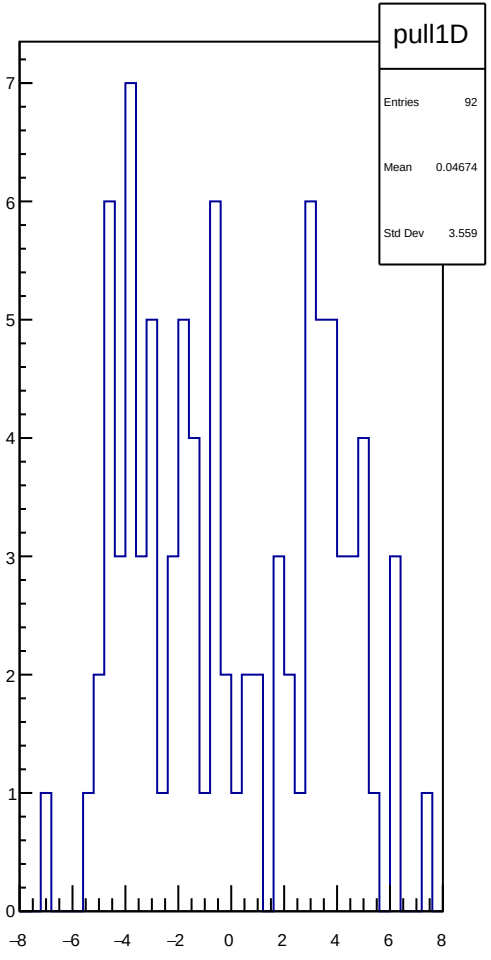

asym_bpm0i05WS_rms vs run
χ² / ndf 4174 / 91
p0 243.7 ± 0.1858
270
260
250
240
230
220
210

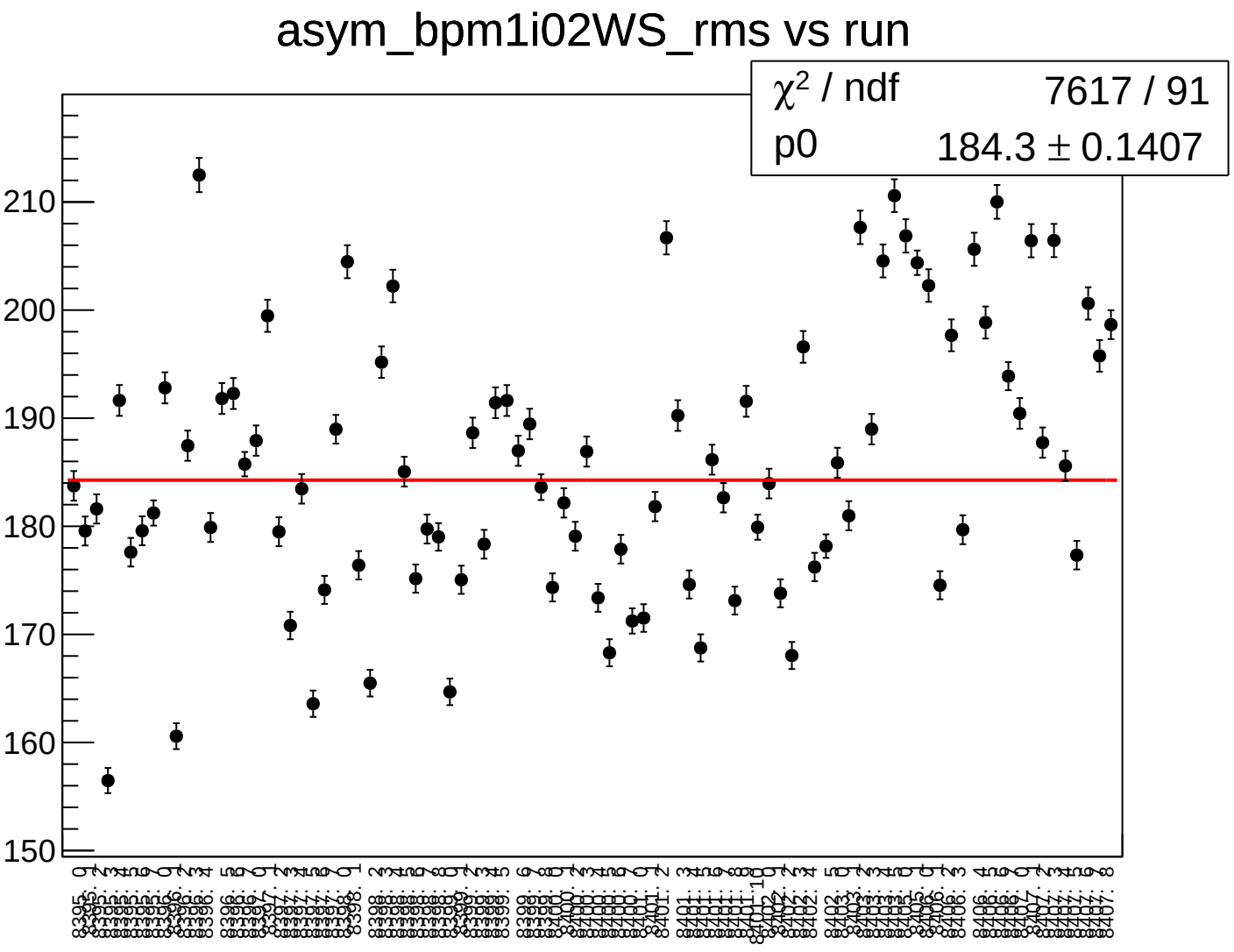

asym_bpm0i07WS_mean vs run
χ² / ndf 1034 / 91
p0 5889 ± 280.3
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −3549
Std Dev 0
4
2
0
−2
−4
−6
−8
−10

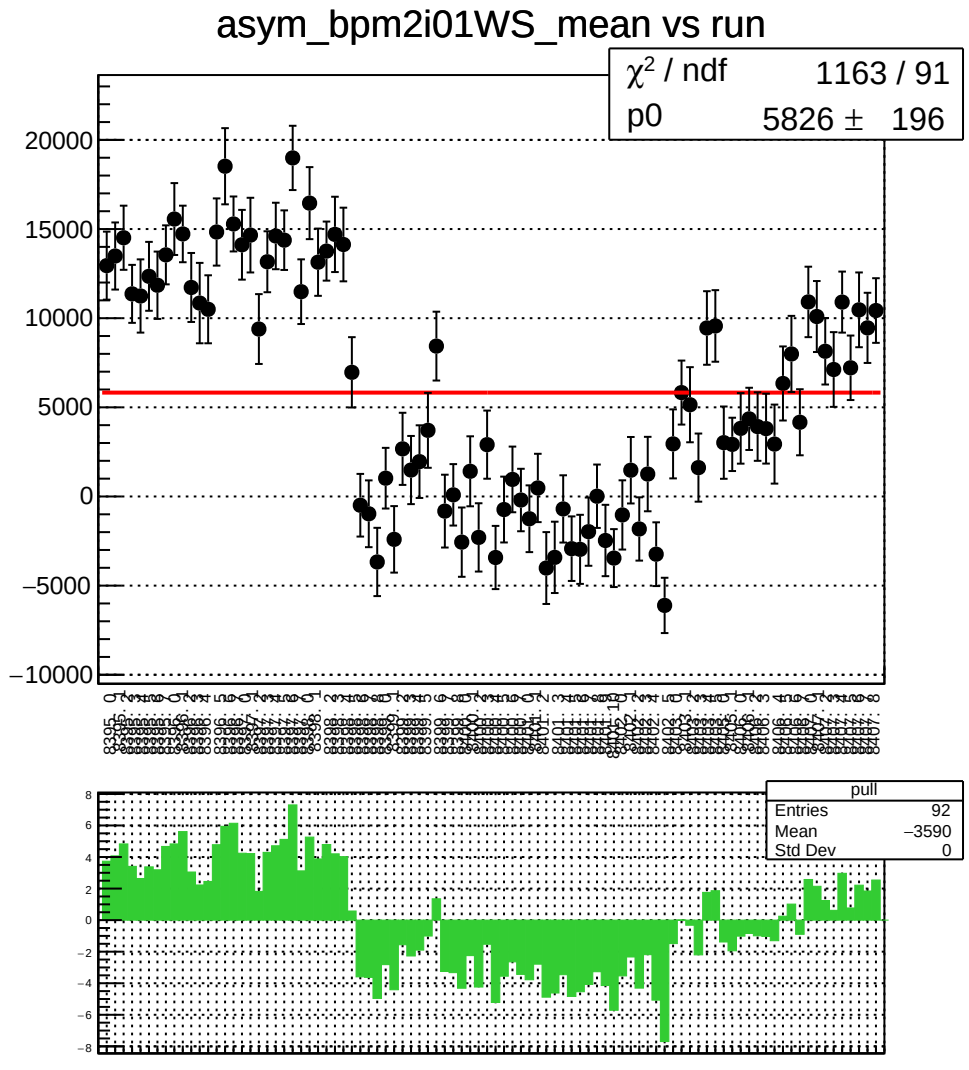

pull1D
Entries 92
Mean 0.3184
Std Dev 2.971
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

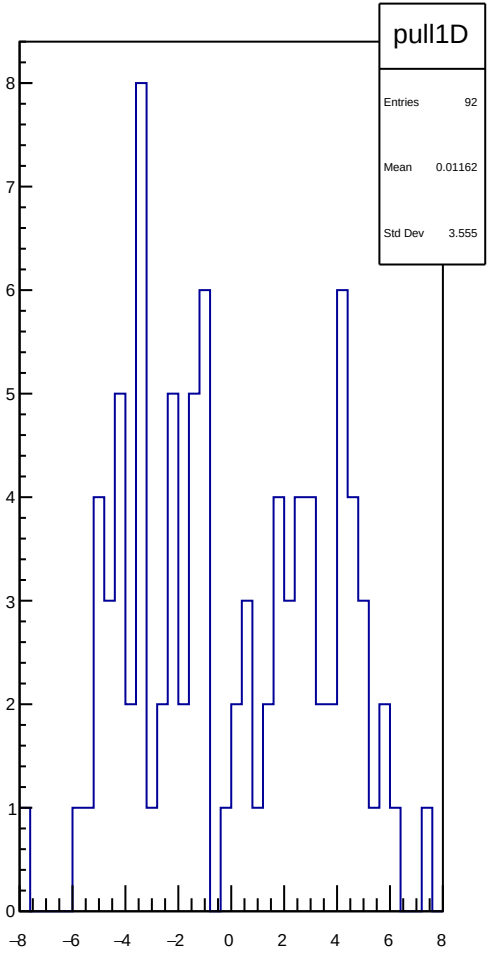

asym_bpm0i07WS_rms vs run
$\chi^2$ / ndf 2247 / 91
p0 260 ± 0.1982
290
280
270
260
250
240

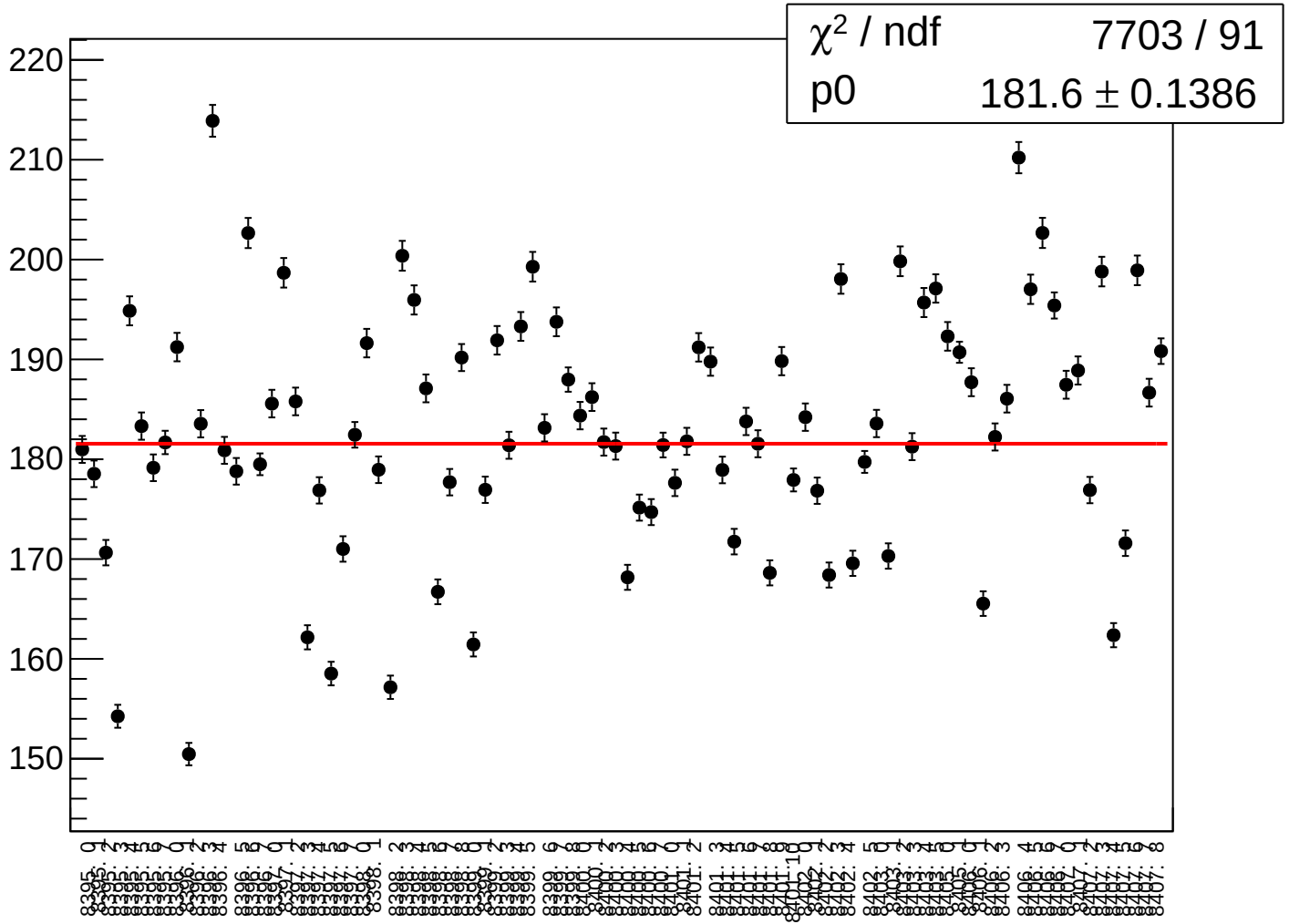

asym_bpm1i02WS_mean vs run
χ² / ndf 1166 / 91
p0 5877 ± 198.9
20000
15000
10000
5000
0
−5000
pull
Entries 92
Mean −873.8
Std Dev 0
8
6
4
2
0
−2
−4
−6

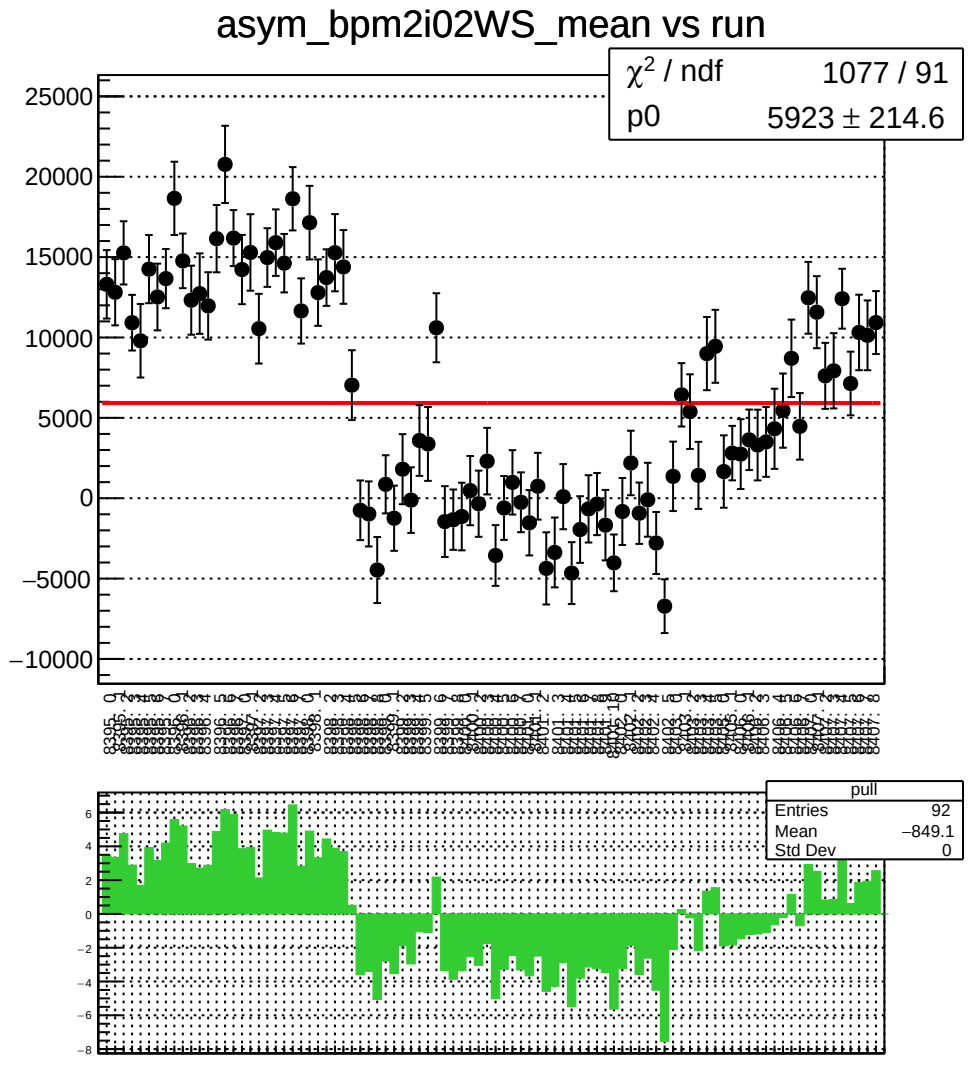

pull1D
Entries 92
Mean 0.04674
Std Dev 3.559
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

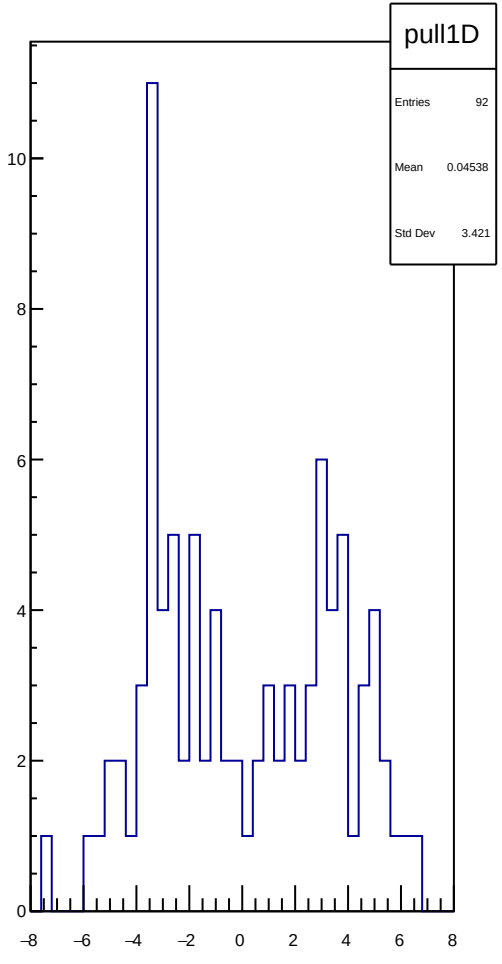

asym_bpm1i02WS_rms vs run
χ² / ndf 7617 / 91
p0 184.3 ± 0.1407
210
200
190
180
170
160
150

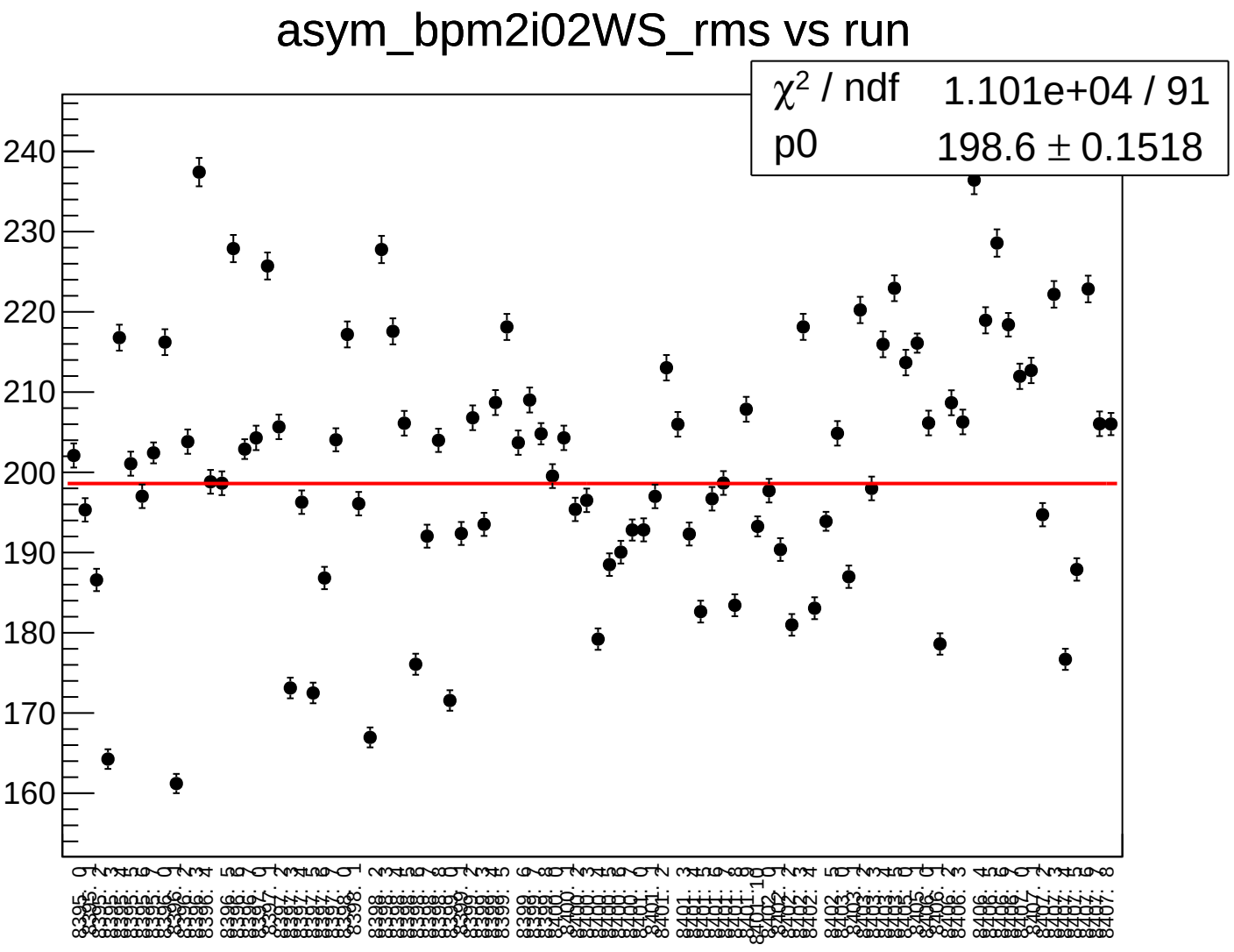

asym_bpm2i01WS_mean vs run
χ² / ndf 1163 / 91
p0 5826 ± 196
pull
Entries 92
Mean −3590
Std Dev 0

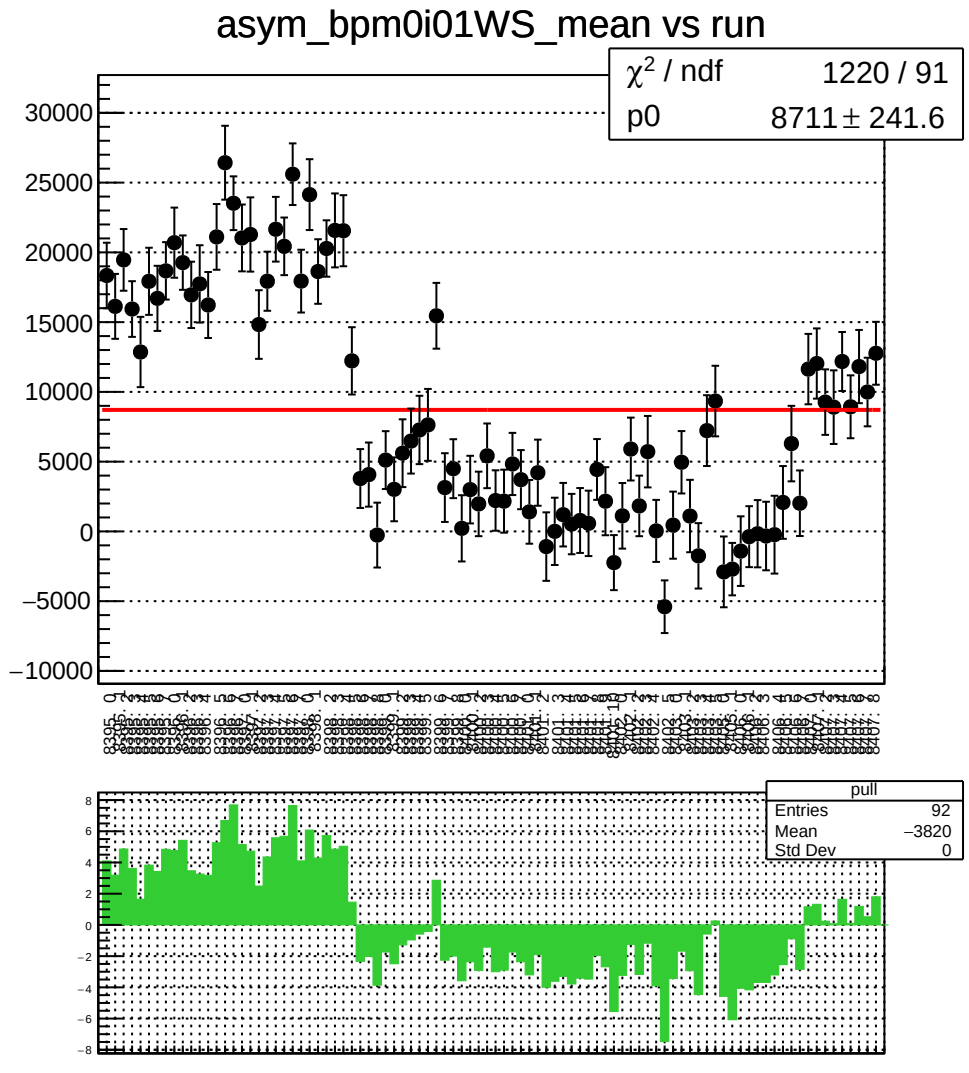

pull1D
Entries 92
Mean 0.01162
Std Dev 3.555

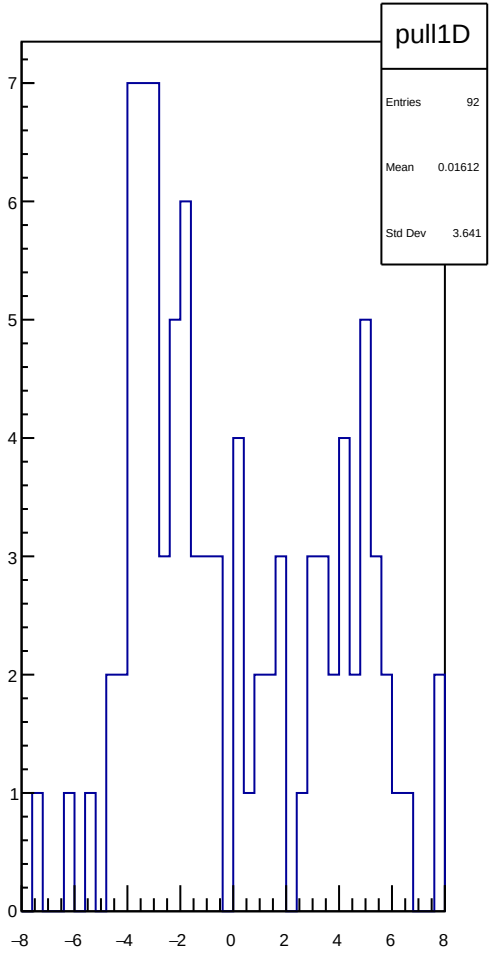

asym_bpm2i01WS_rms vs run
χ² / ndf 7703 / 91
p0 181.6 ± 0.1386
220
210
200
190
180
170
160
150

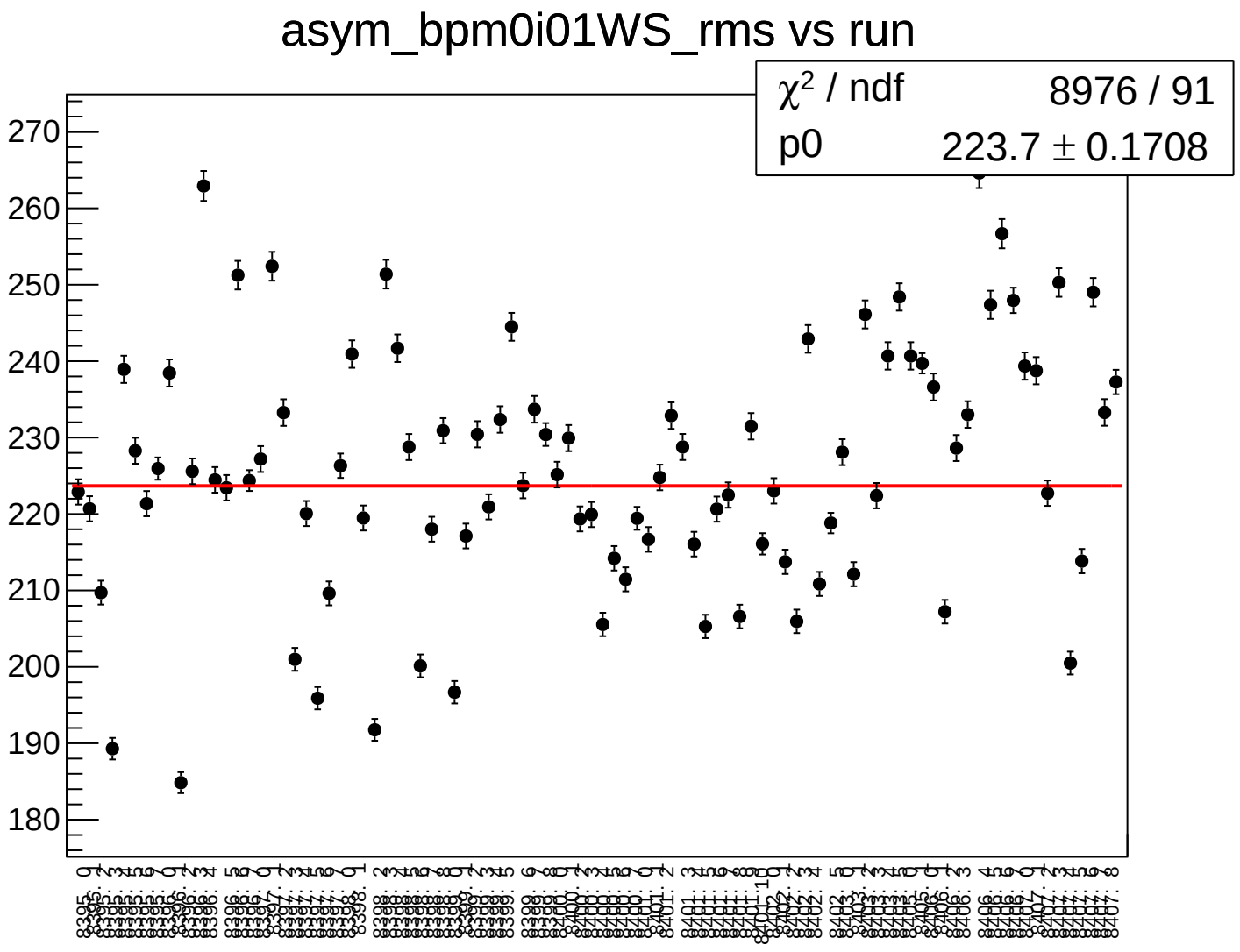

asym_bpm2i02WS_mean vs run
χ² / ndf 1077 / 91
p0 5923 ± 214.6
25000
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −849.1
Std Dev 0
6
4
2
0
−2
−4
−6
−8

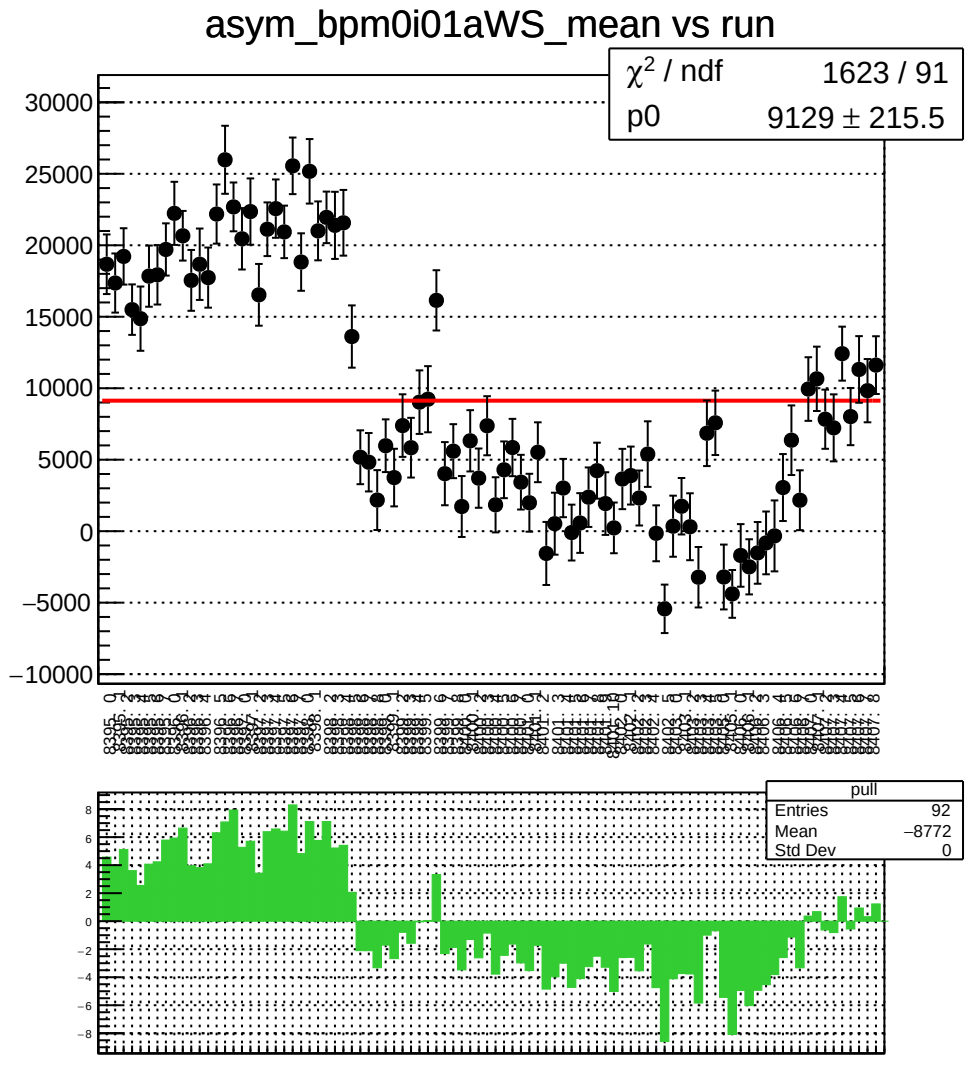

pull1D
Entries 92
Mean 0.04538
Std Dev 3.421
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

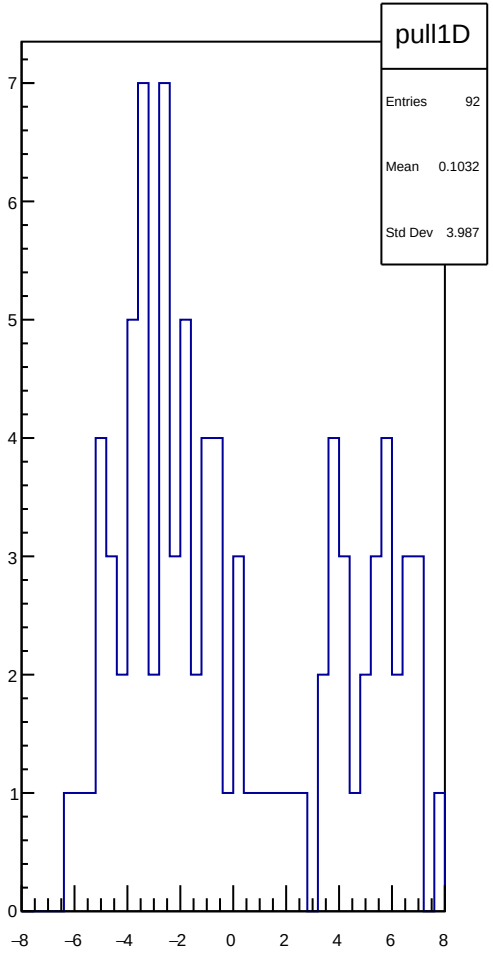

asym_bpm2i02WS_rms vs run
χ² / ndf 1.101e+04 / 91
p0 198.6 ± 0.1518
240
230
220
210
200
190
180
170
160

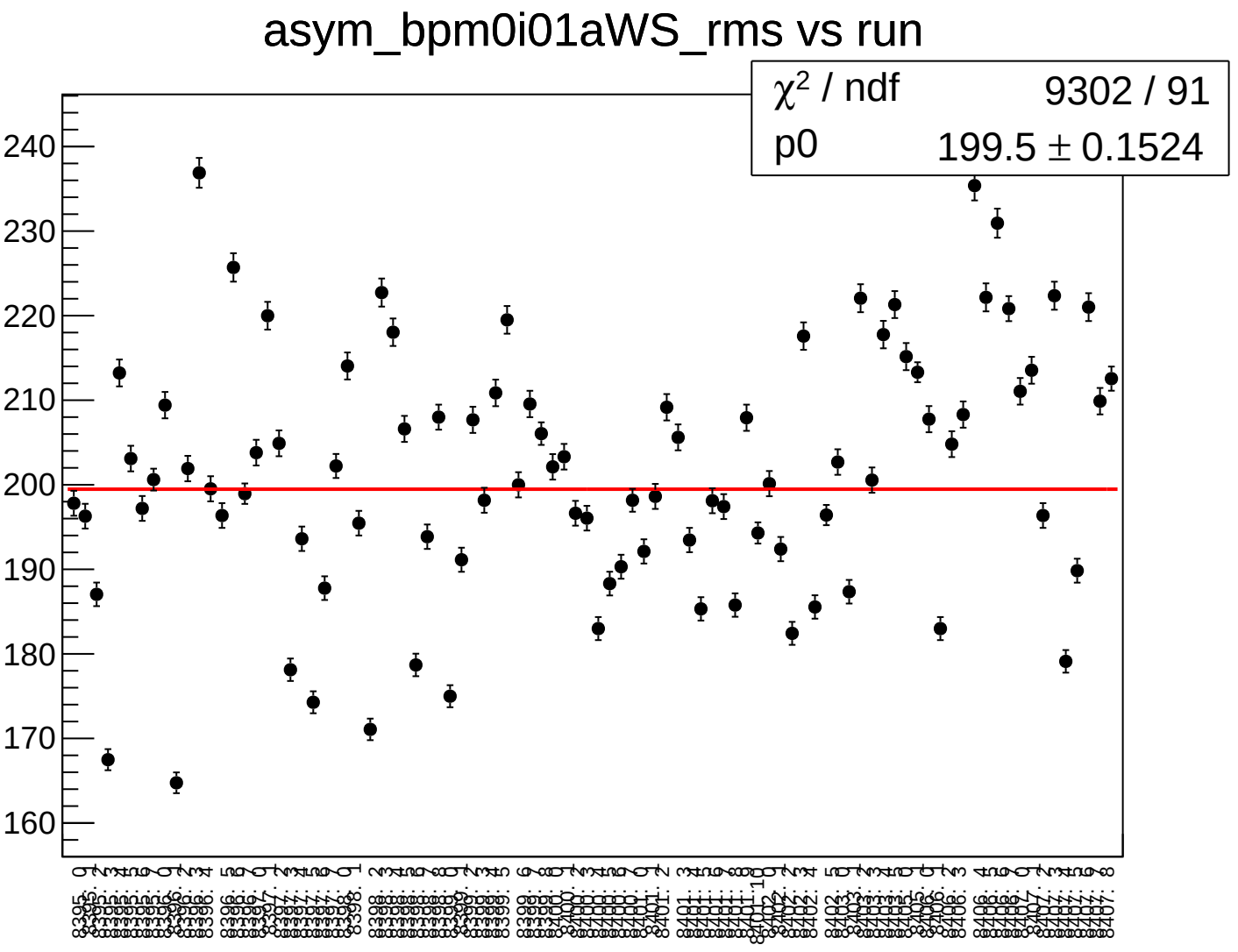

asym_bpm0i01WS_mean vs run
χ² / ndf 1220 / 91
p0 8711 ± 241.6
30000
25000
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −3820
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

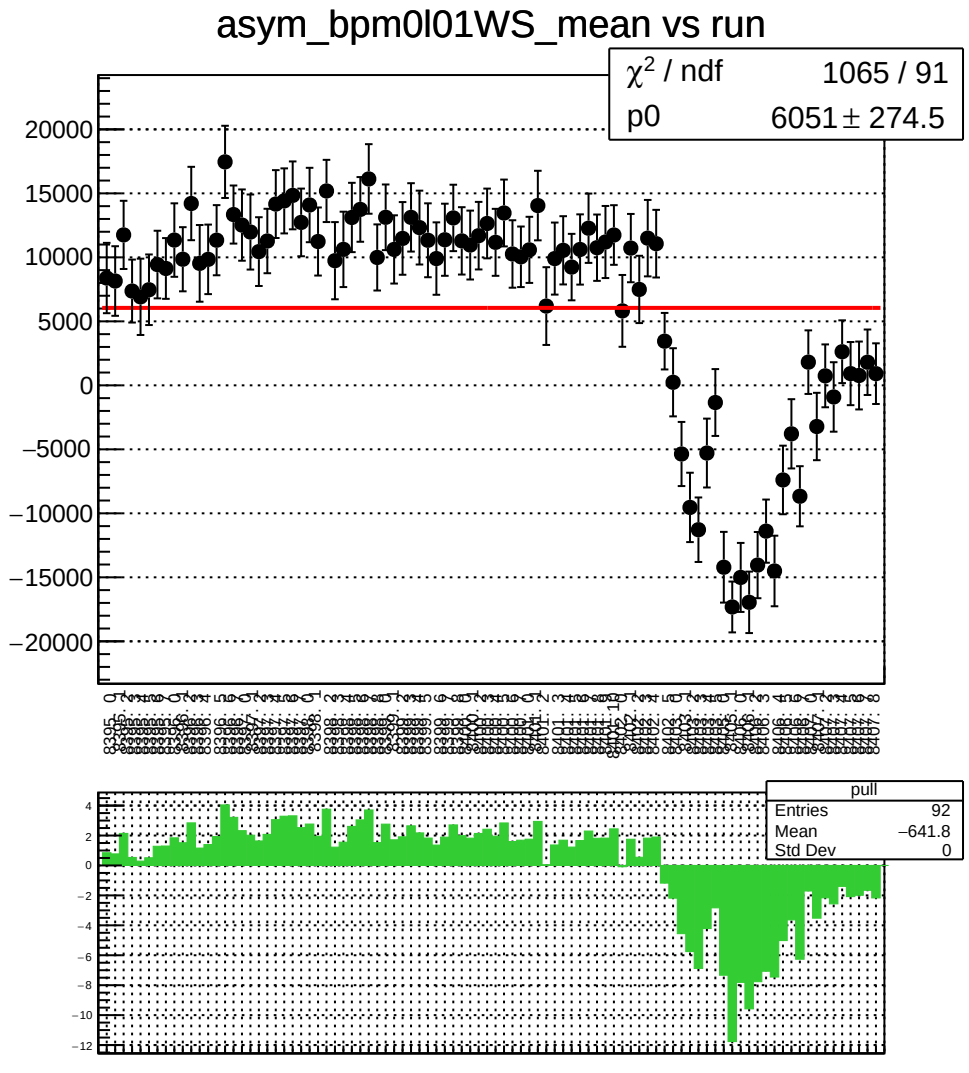

pull1D
Entries 92
Mean 0.01612
Std Dev 3.641
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

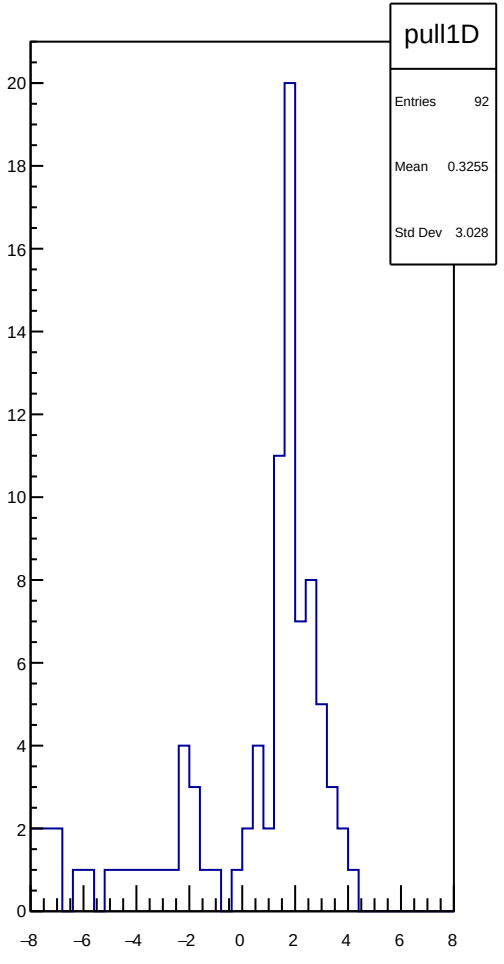

asym_bpm0i01WS_rms vs run
χ² / ndf 8976 / 91
p0 223.7 ± 0.1708
270
260
250
240
230
220
210
200
190
180

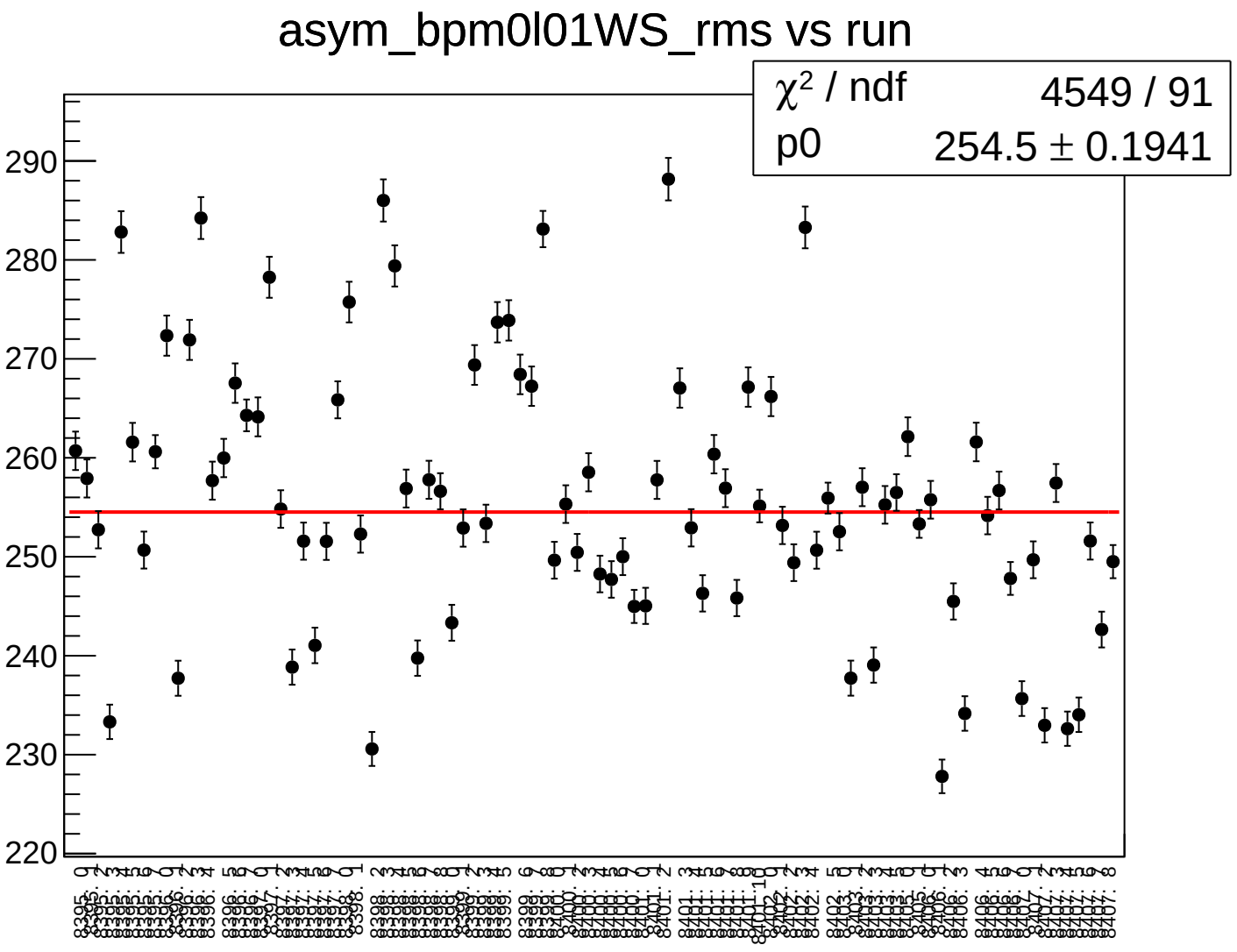

asym_bpm0i01aWS_mean vs run
χ² / ndf 1623 / 91
p0 9129 ± 215.5
30000
25000
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −8772
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

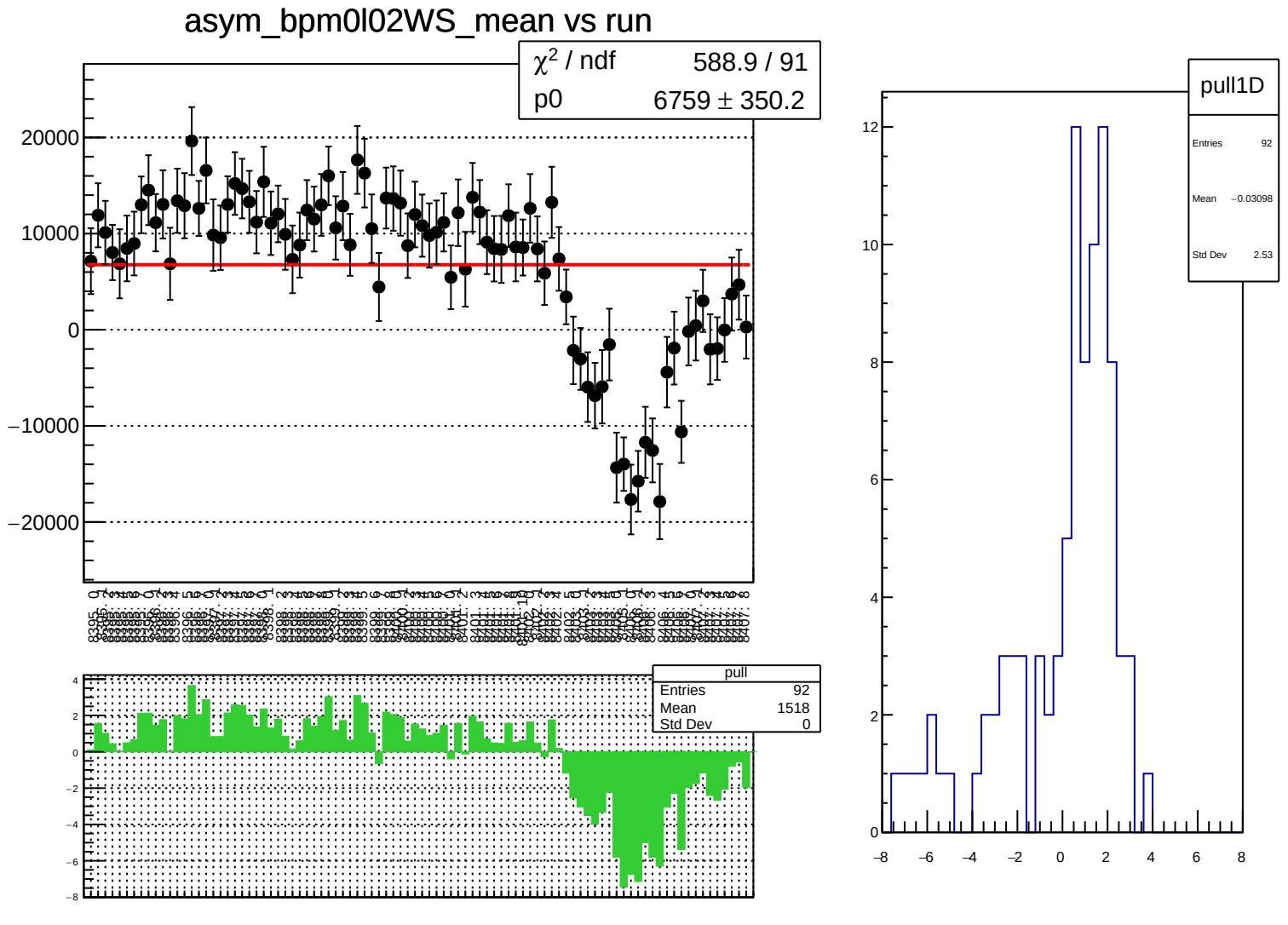

pull1D
Entries 92
Mean 0.1032
Std Dev 3.987
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

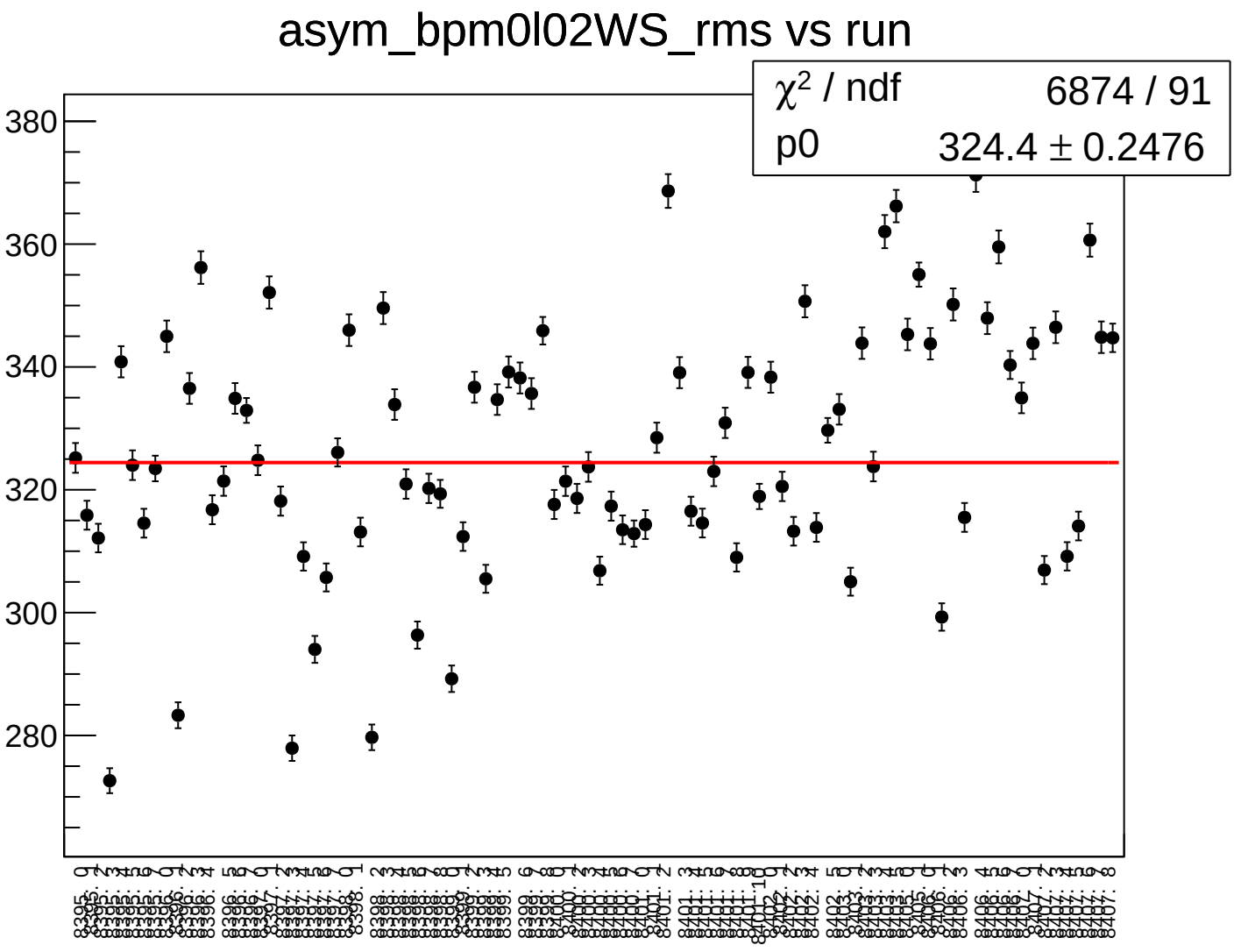

asym_bpm0i01aWS_rms vs run
χ² / ndf 9302 / 91
p0 199.5 ± 0.1524
240
230
220
210
200
190
180
170
160

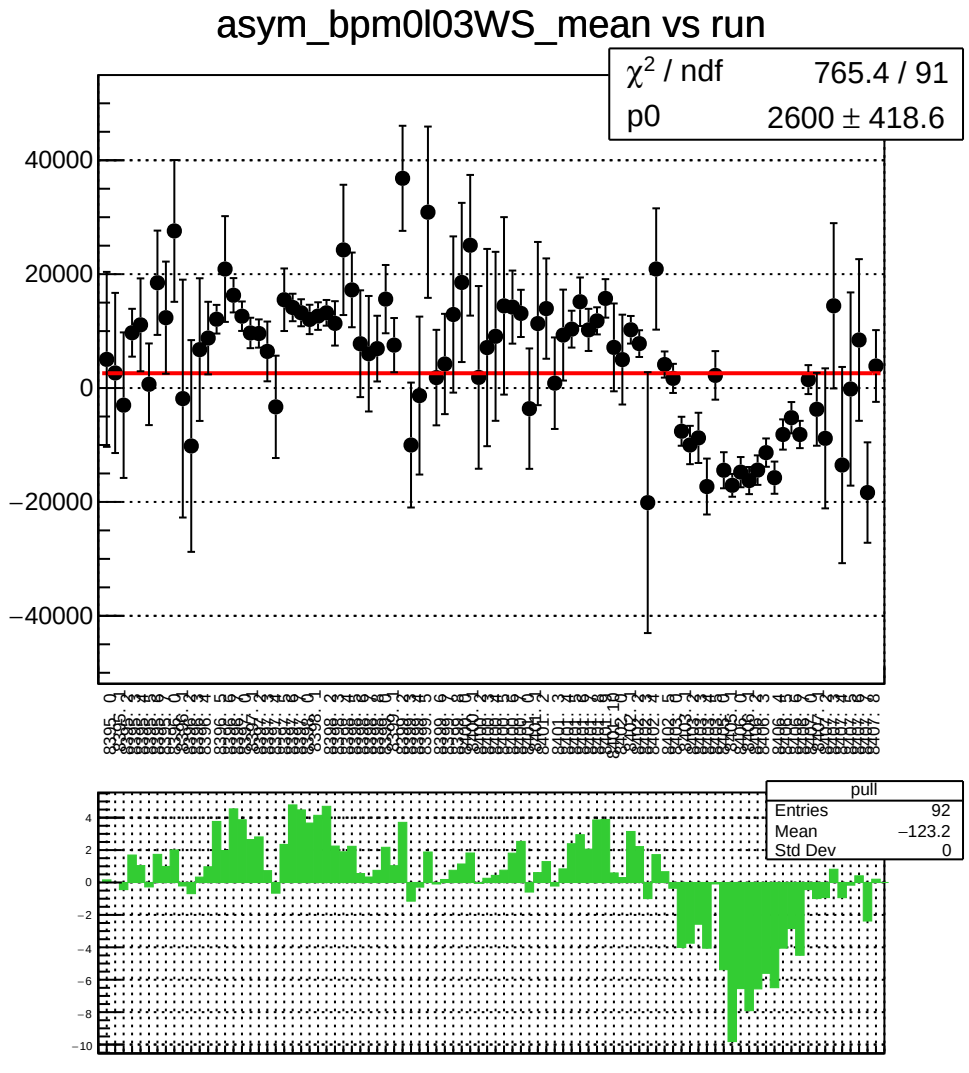

asym_bpm0l01WS_mean vs run
χ² / ndf 1065 / 91
p0 6051 ± 274.5
pull
Entries 92
Mean −641.8
Std Dev 0

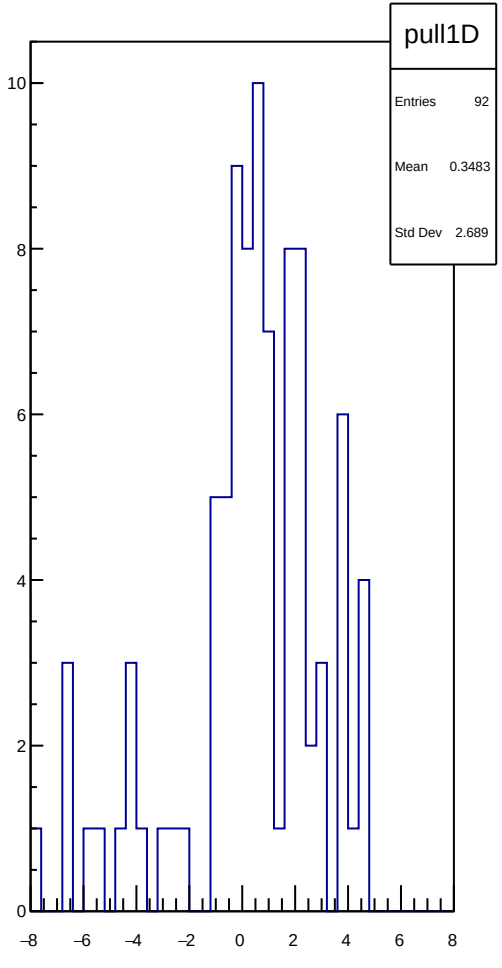

pull1D
Entries 92
Mean 0.3255
Std Dev 3.028

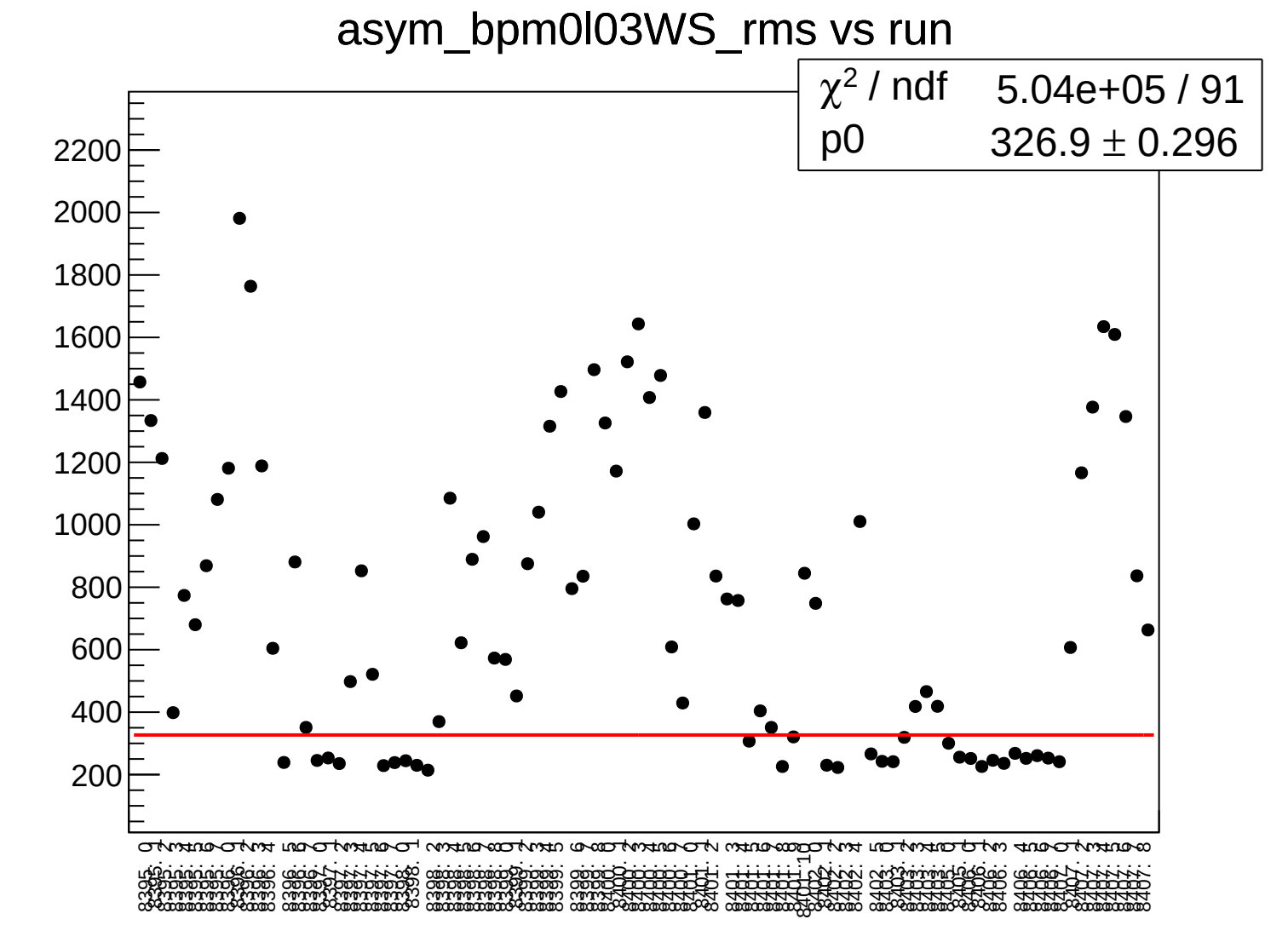

asym_bpm0l01WS_rms vs run
χ² / ndf 4549 / 91
p0 254.5 ± 0.1941
290
280
270
260
250
240
230
220

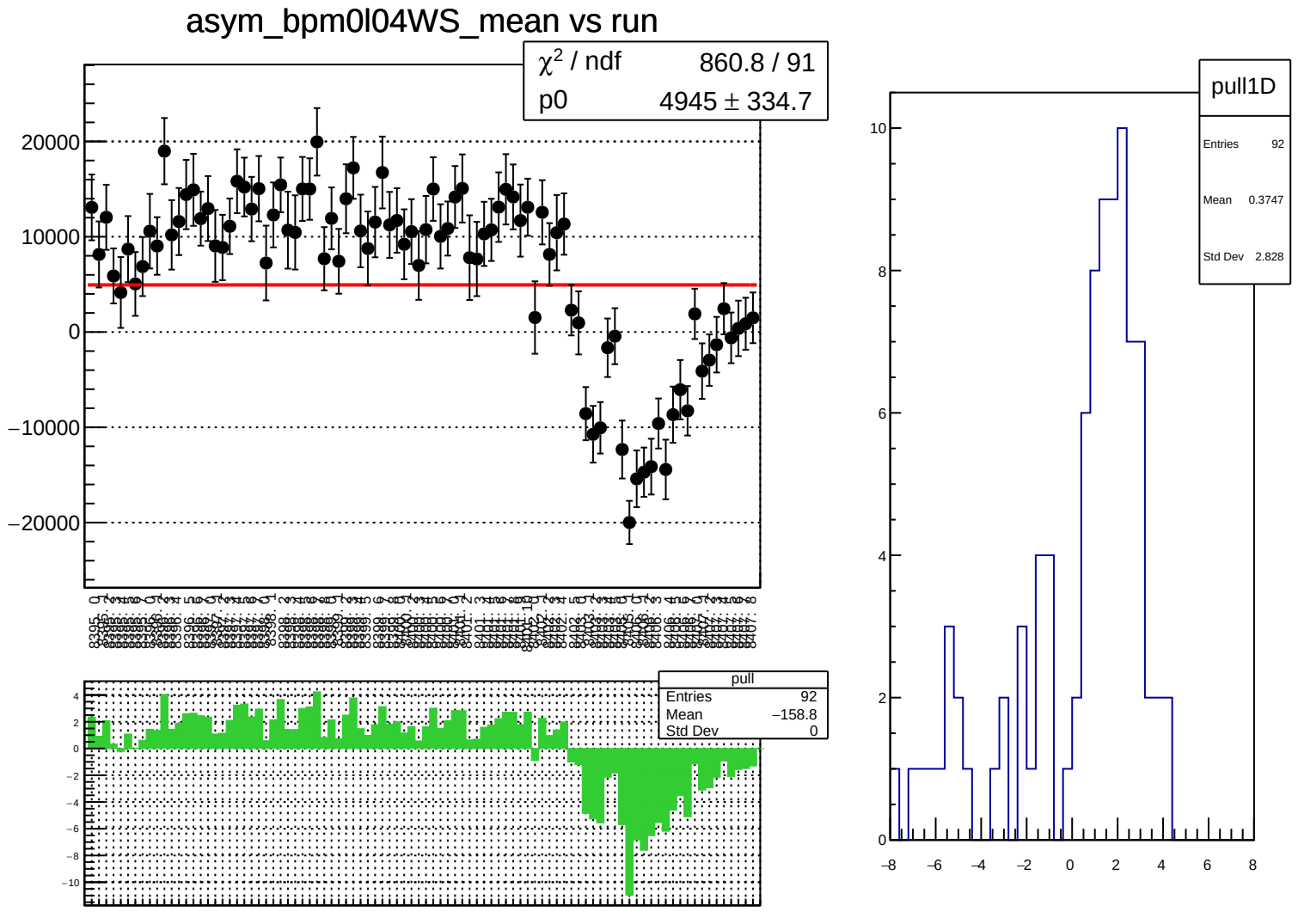

asym_bpm0l02WS_mean vs run
χ² / ndf 588.9 / 91
p0 6759 ± 350.2
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 1518
Std Dev 0
4
2
0
−2
−4
−6
−8
pull1D
Entries 92
Mean −0.03098
Std Dev 2.53
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

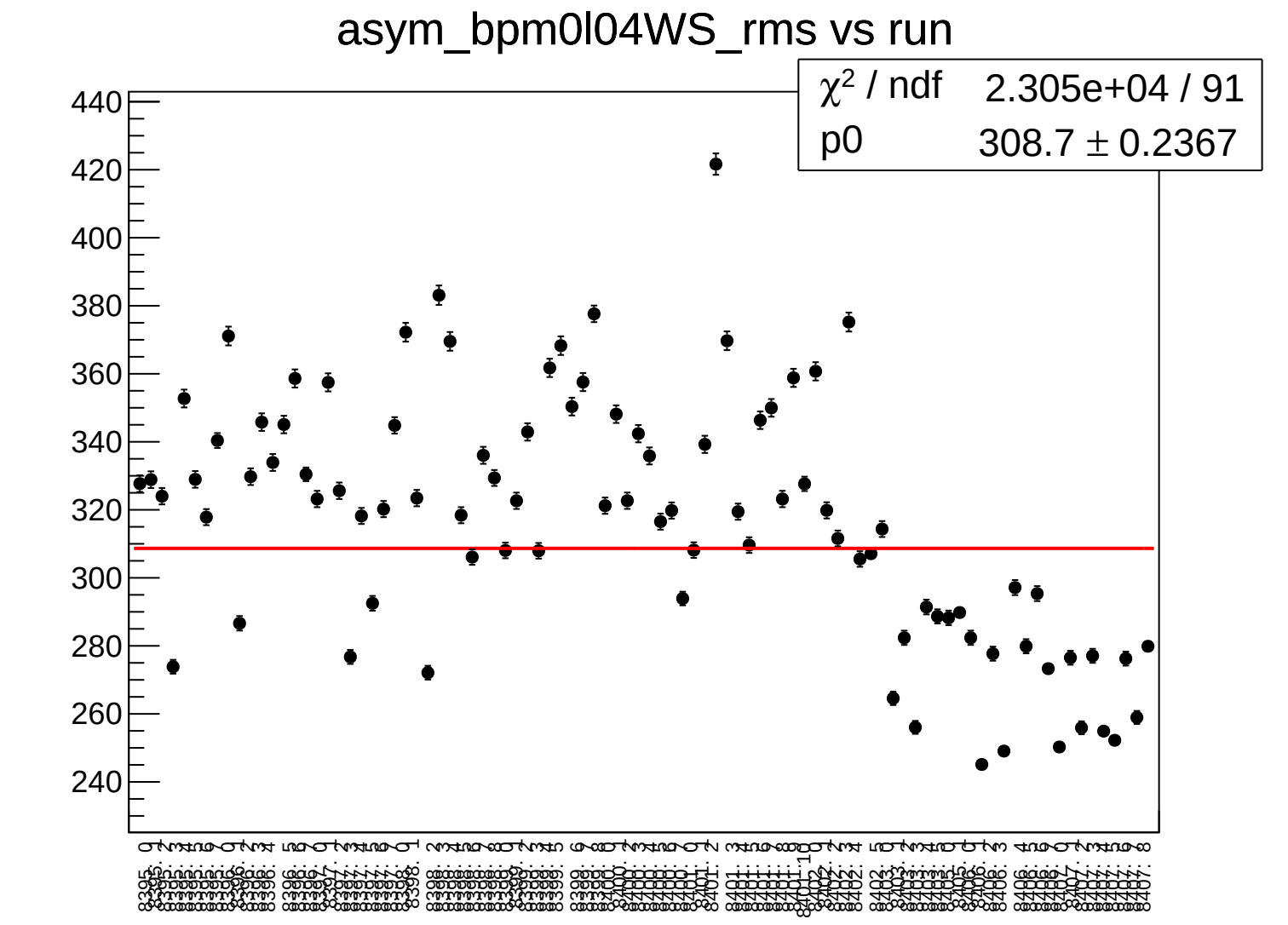

asym_bpm0l02WS_rms vs run
χ² / ndf 6874 / 91
p0 324.4 ± 0.2476
380
360
340
320
300
280

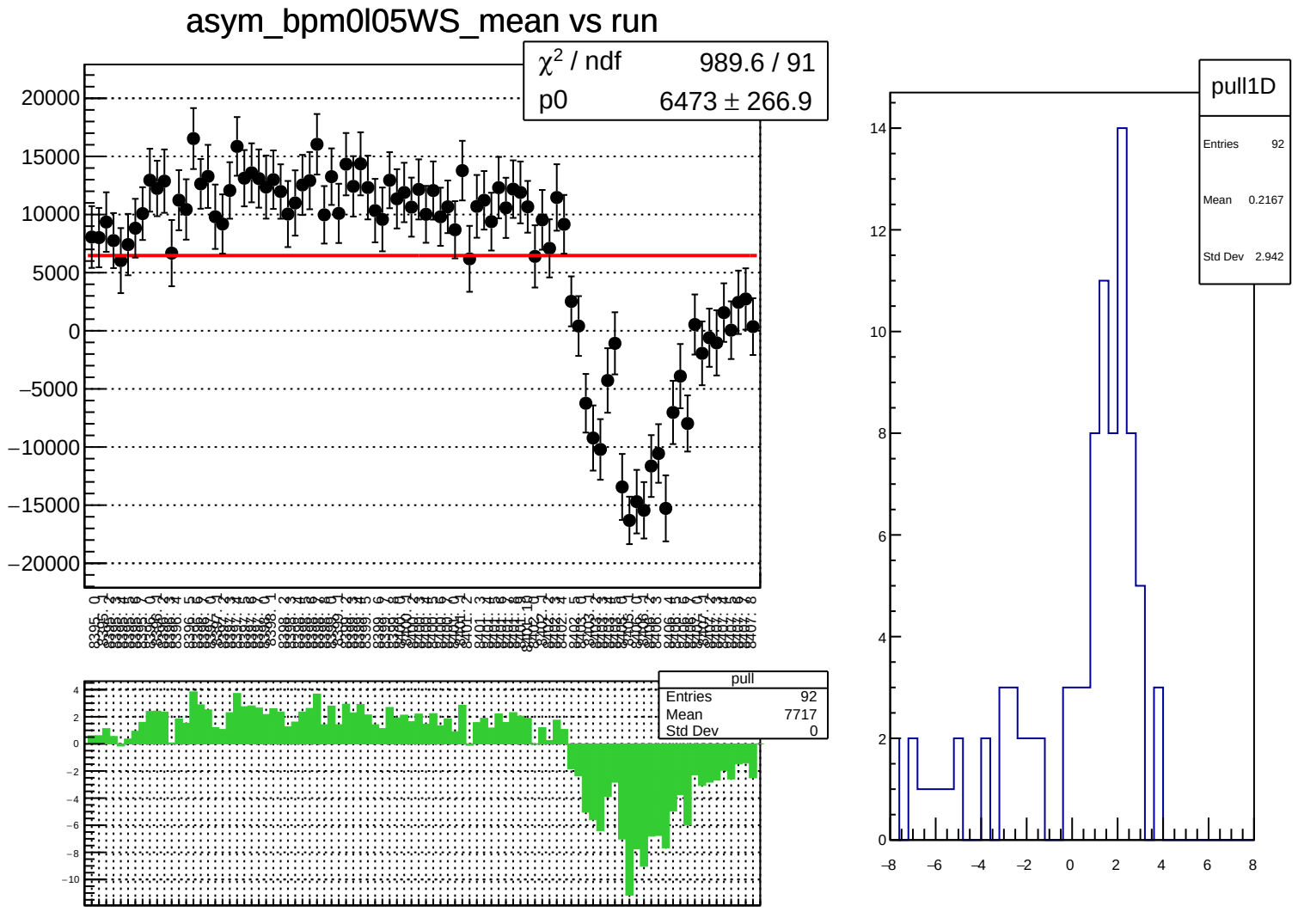

asym_bpm0l03WS_mean vs run
χ² / ndf 765.4 / 91
p0 2600 ± 418.6
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −123.2
Std Dev 0
4
2
0
−2
−4
−6
−8
−10

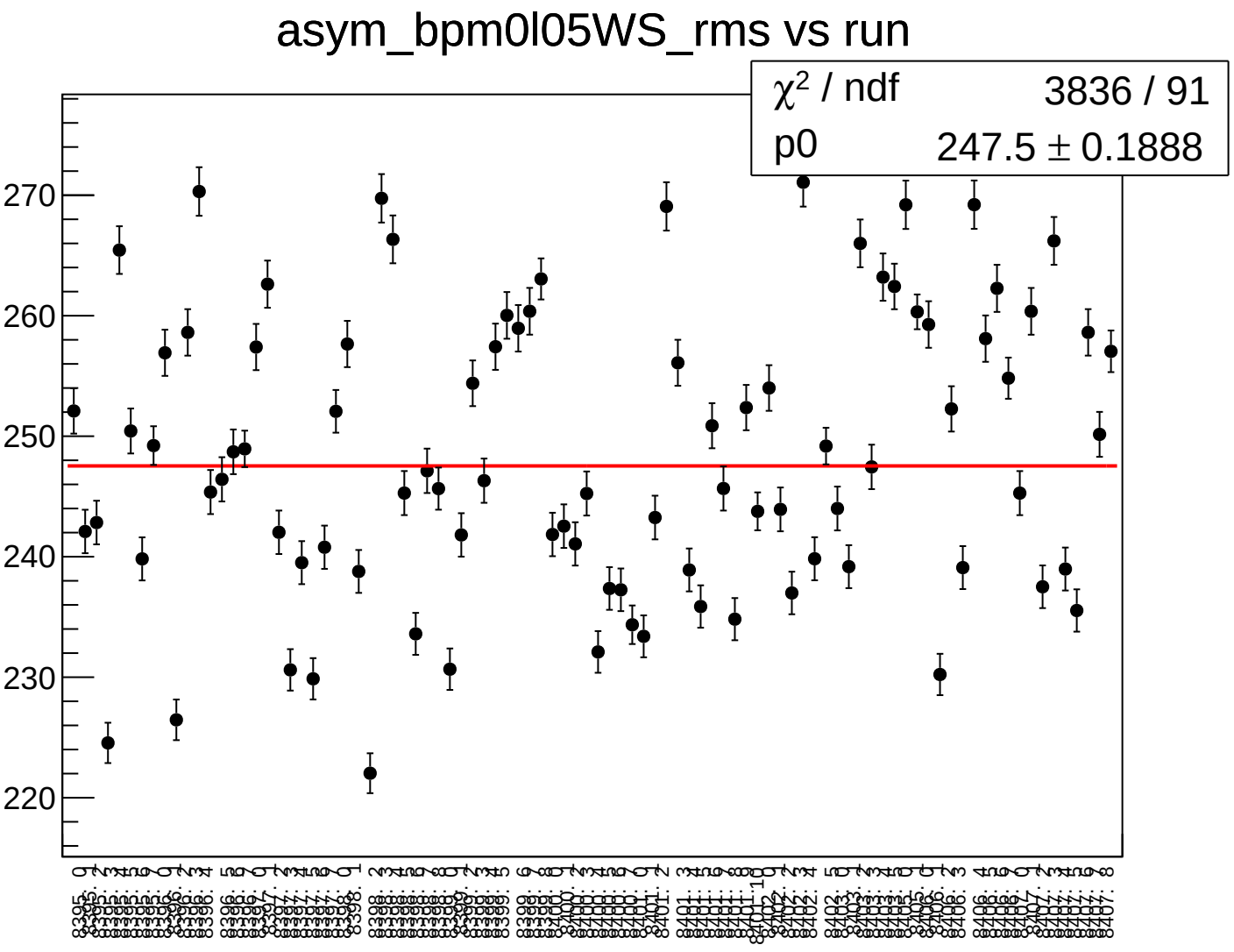

pull1D
Entries 92
Mean 0.3483
Std Dev 2.689
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

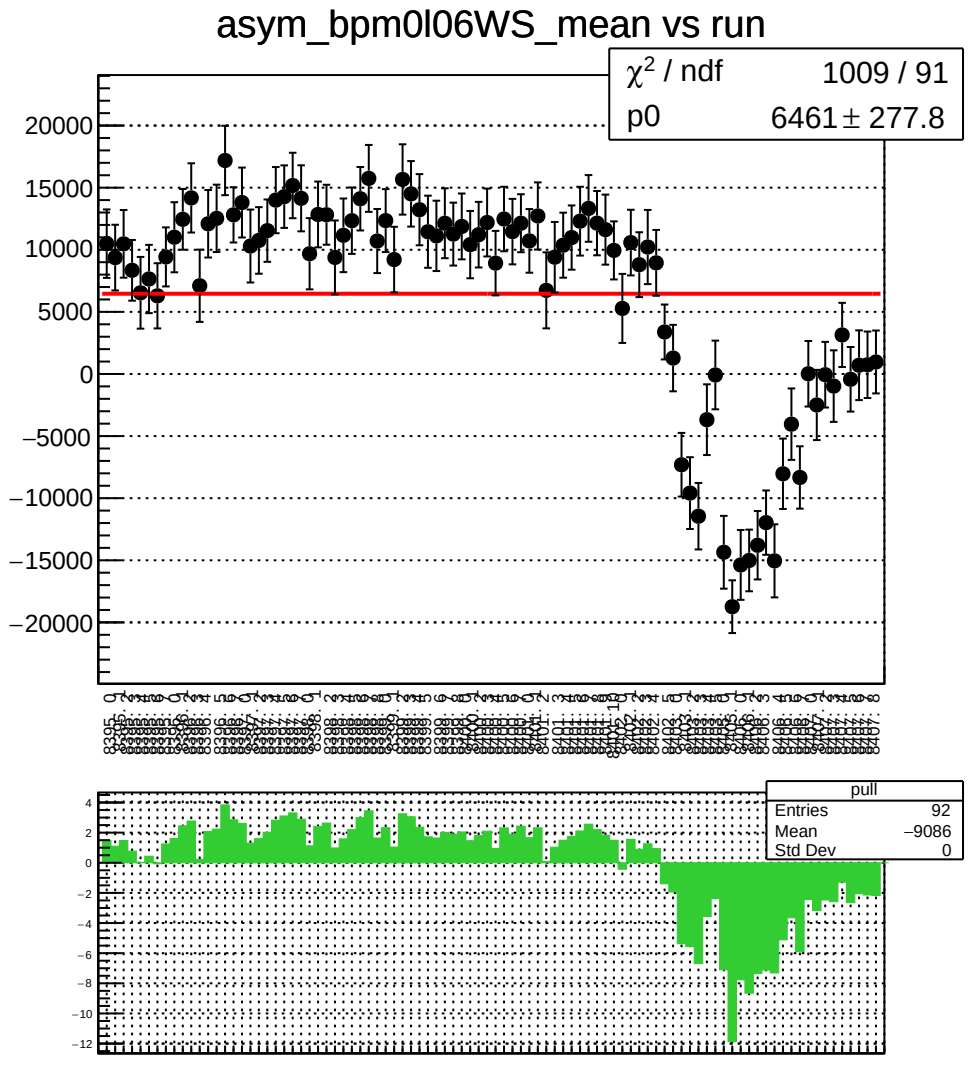

asym_bpm0l03WS_rms vs run
$\chi^2$ / ndf 5.04e+05 / 91
p0 326.9 ± 0.296
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

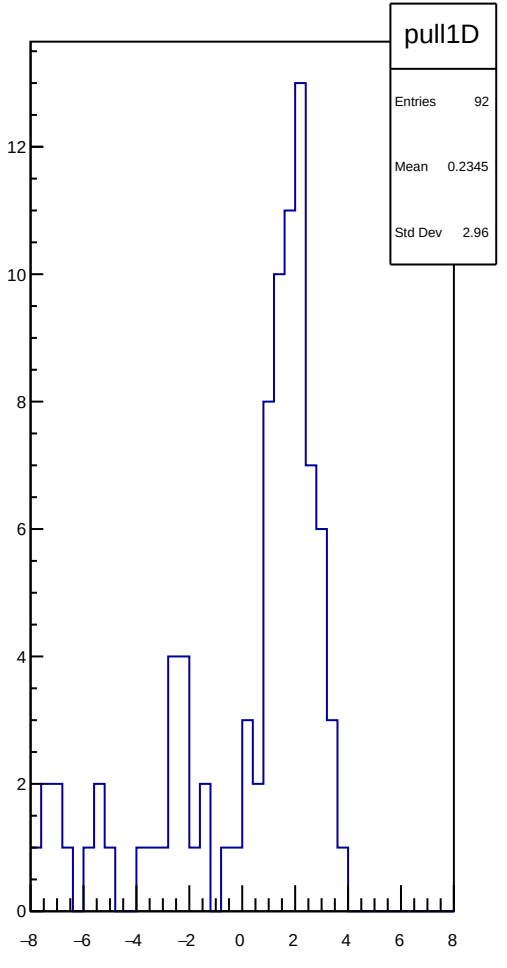

asym_bpm0l04WS_mean vs run
χ² / ndf 860.8 / 91
p0 4945 ± 334.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −158.8
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 92
Mean 0.3747
Std Dev 2.828
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

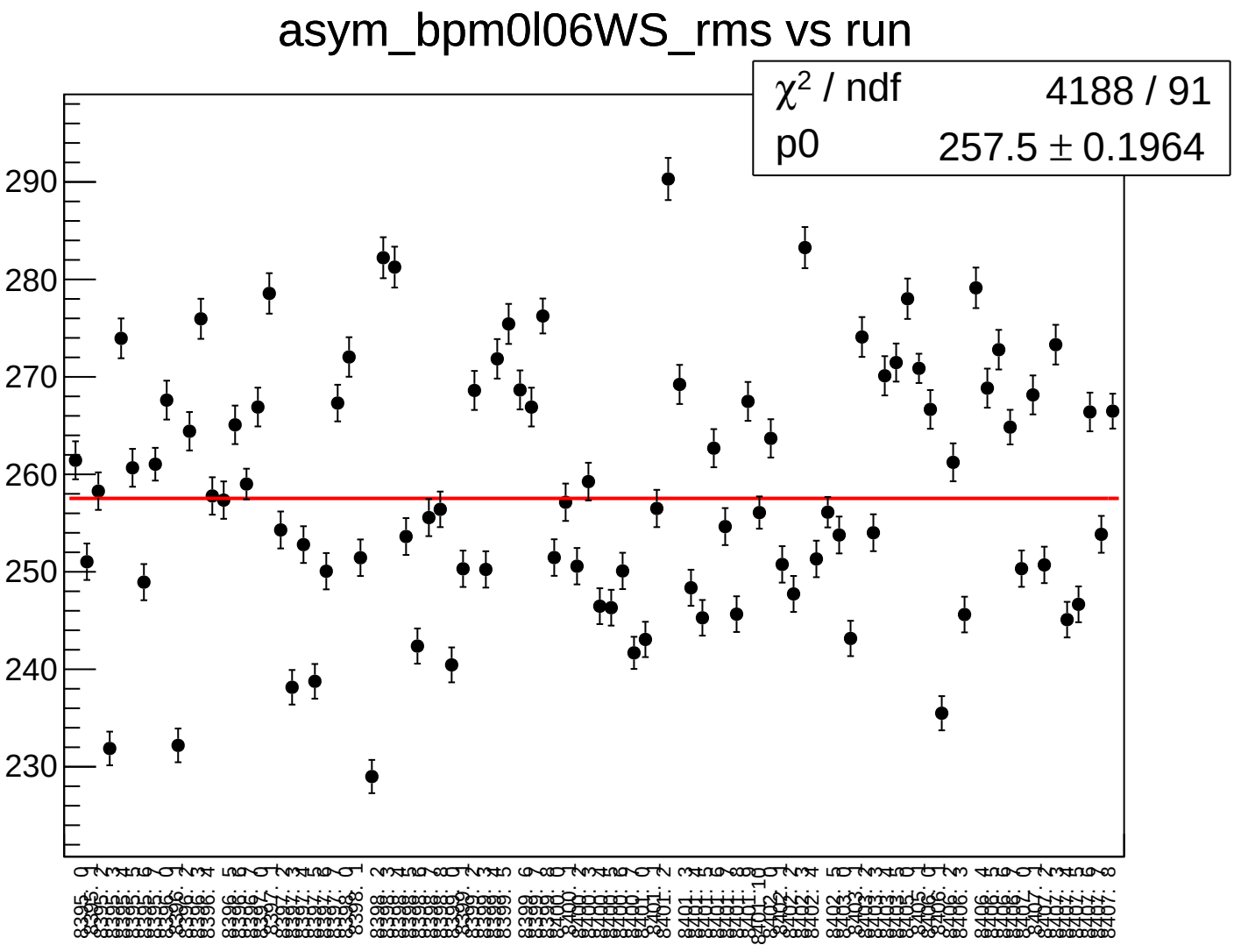

asym_bpm0l04WS_rms vs run
$\chi^2$ / ndf 2.305e+04 / 91
p0 308.7 ± 0.2367
440
420
400
380
360
340
320
300
280
260
240

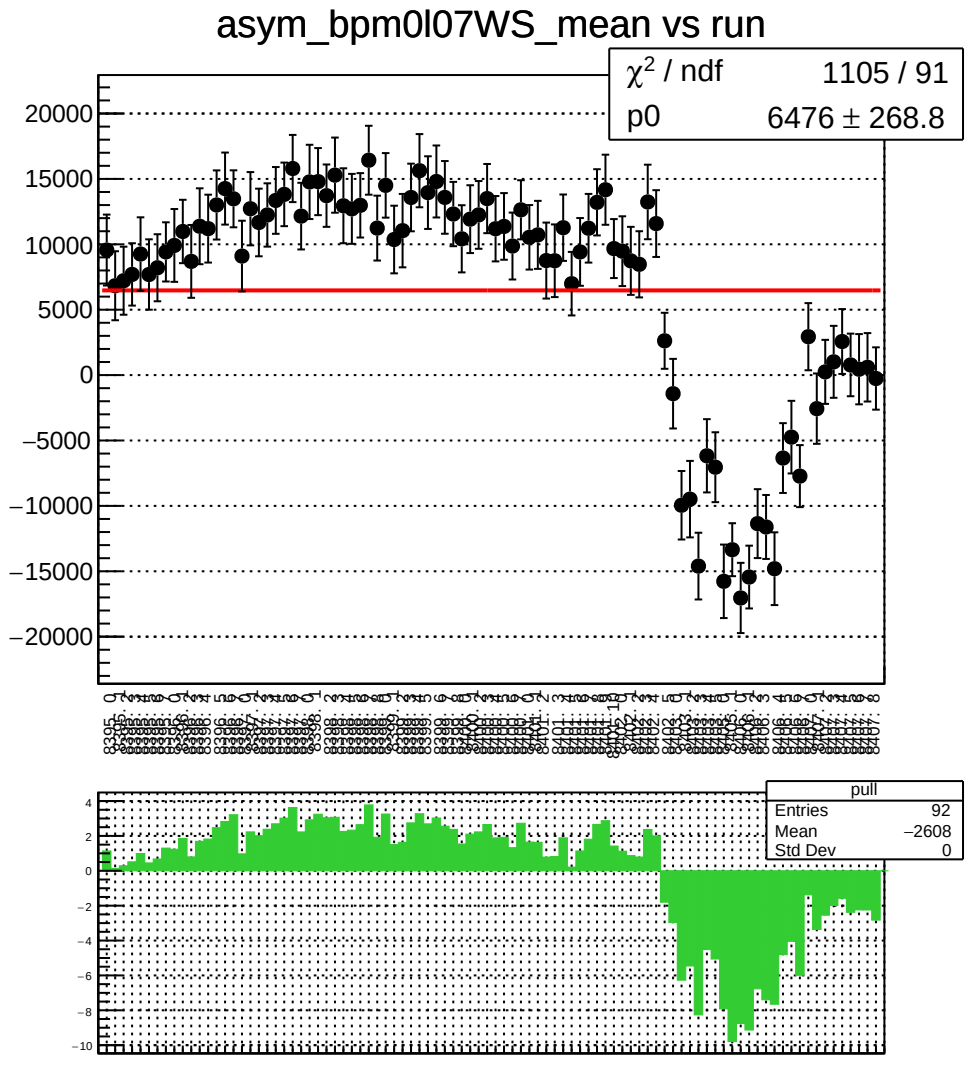

asym_bpm0l05WS_mean vs run
χ² / ndf 989.6 / 91
p0 6473 ± 266.9
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean 7717
Std Dev 0
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 92
Mean 0.2167
Std Dev 2.942
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

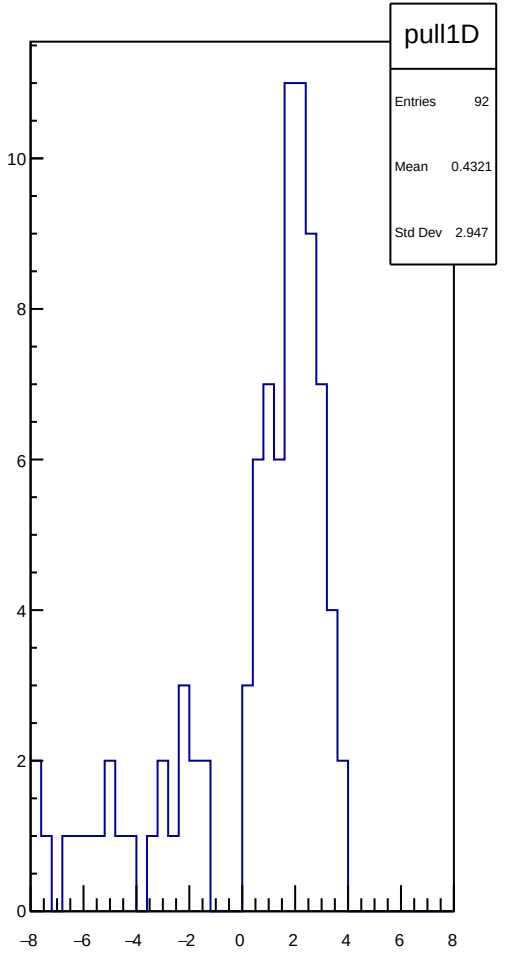

asym_bpm0l05WS_rms vs run
χ² / ndf 3836 / 91
p0 247.5 ± 0.1888
270
260
250
240
230
220

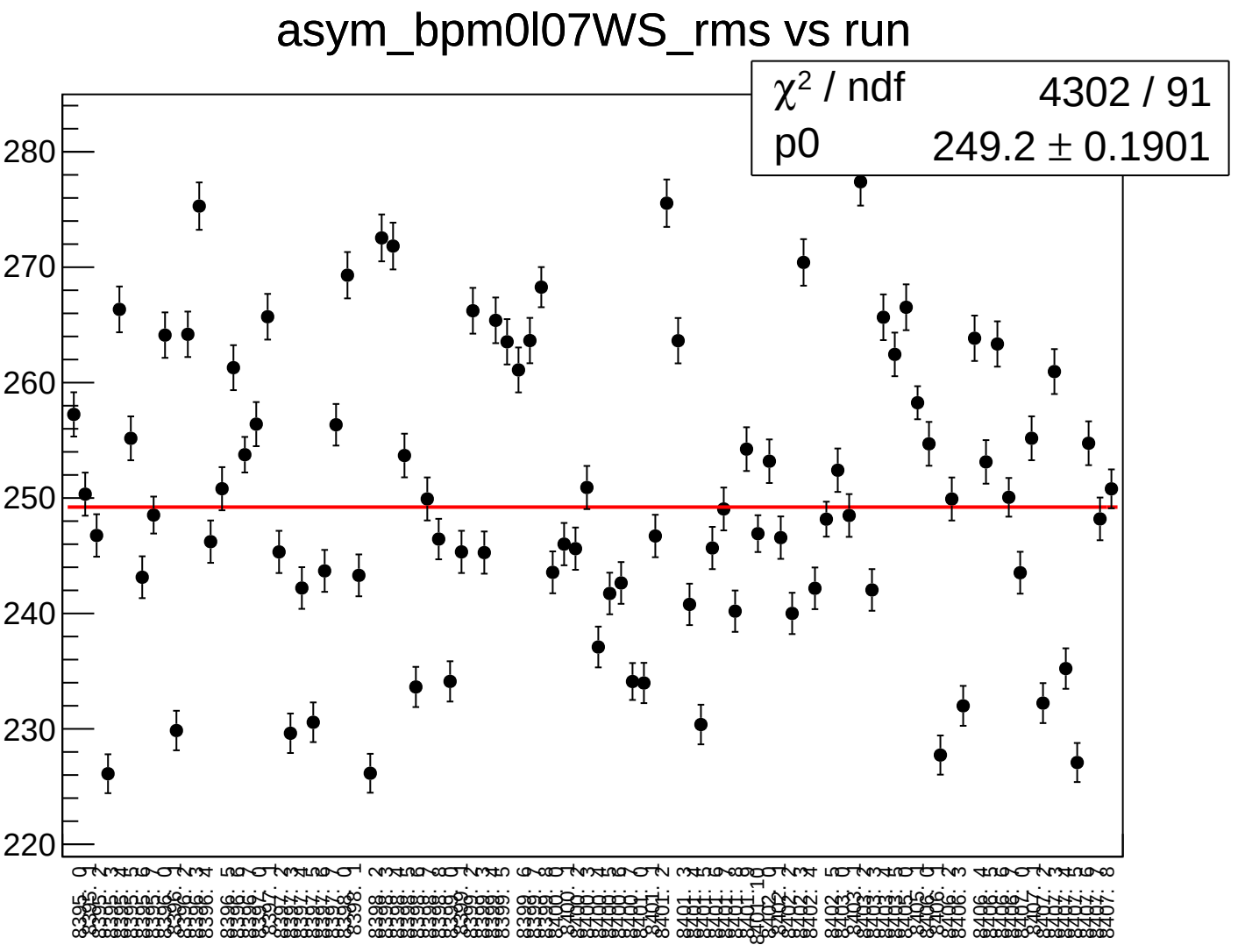

asym_bpm0l06WS_mean vs run
χ² / ndf 1009 / 91
p0 6461 ± 277.8
pull
Entries 92
Mean −9086
Std Dev 0

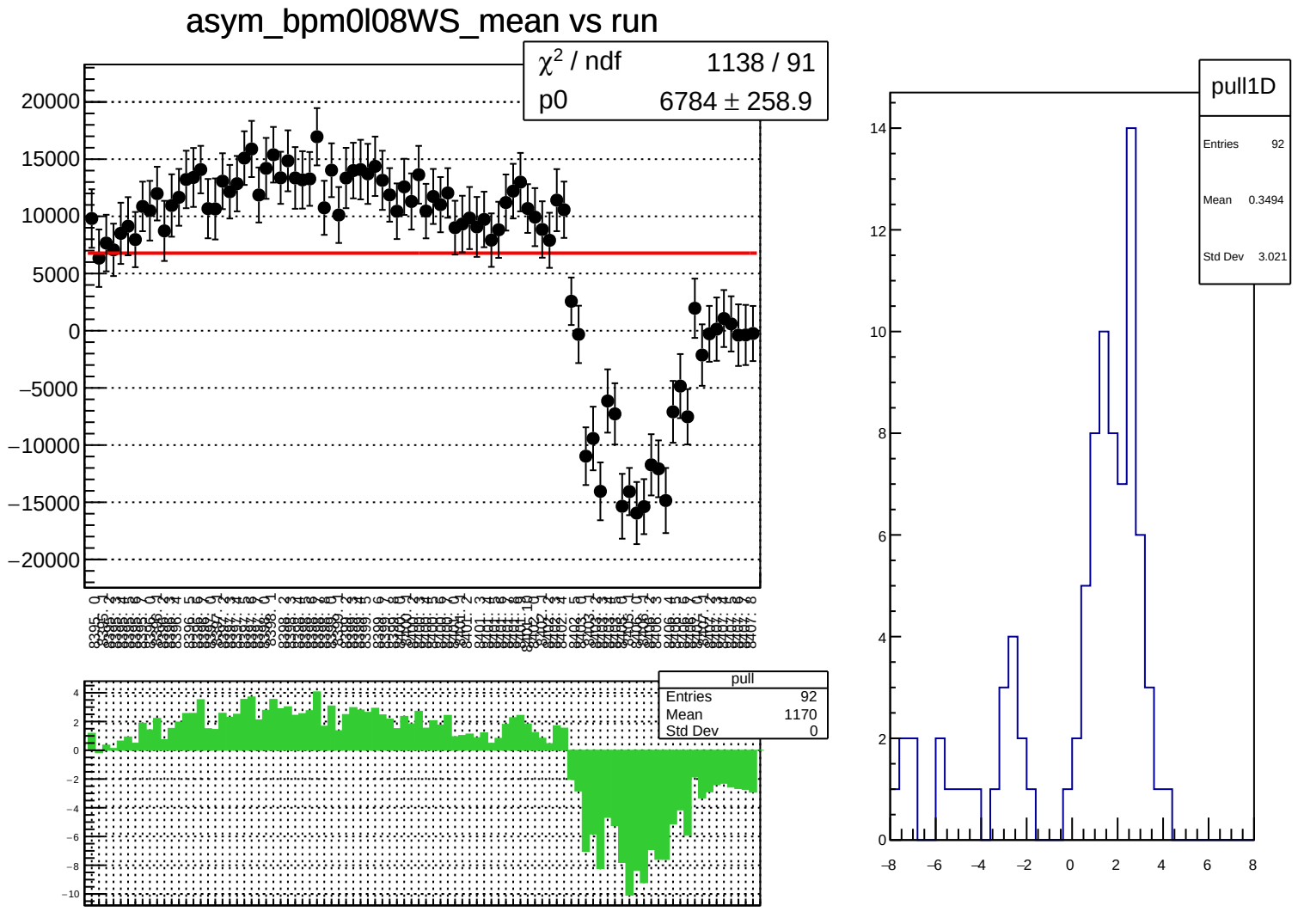

pull1D
Entries 92
Mean 0.2345
Std Dev 2.96

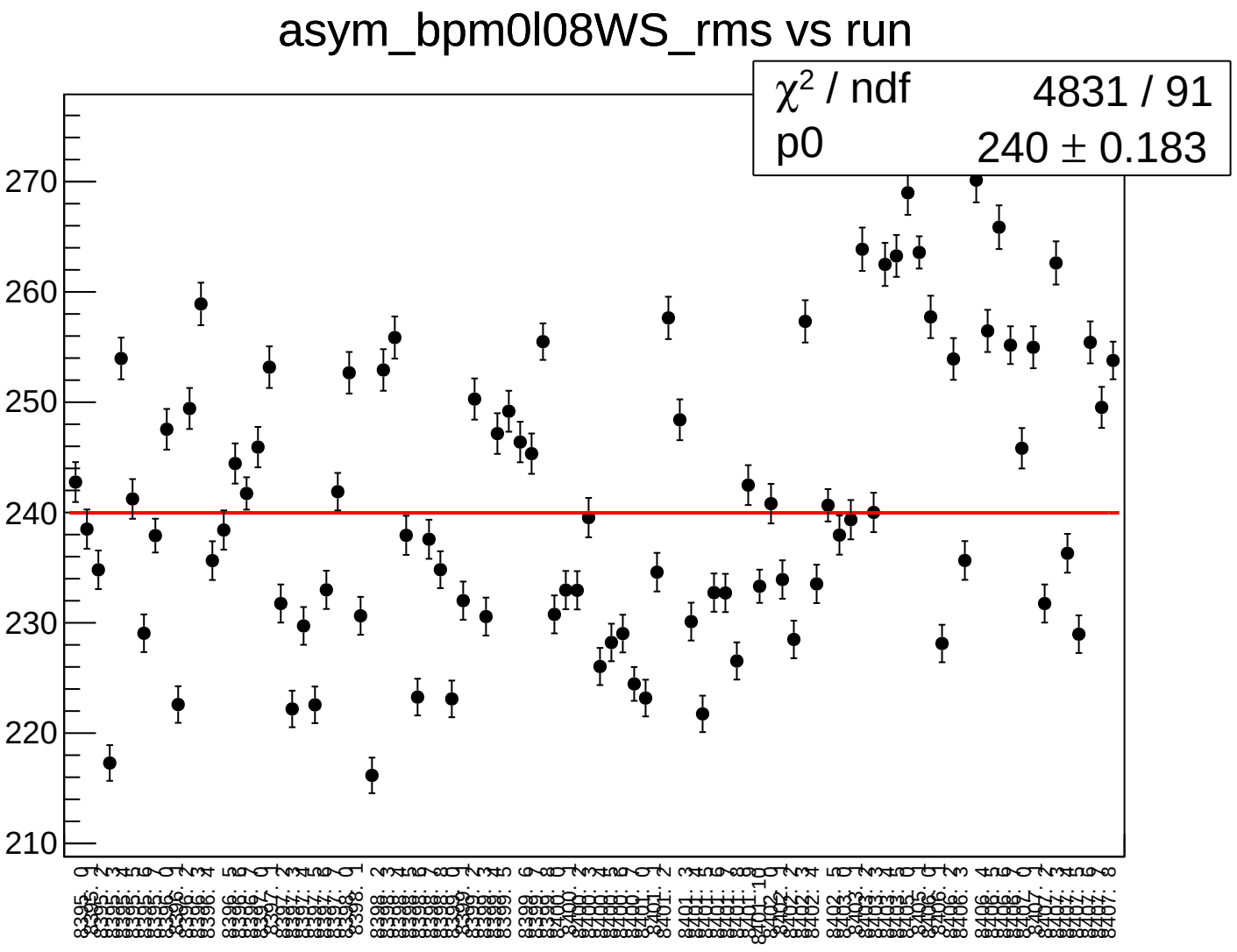

asym_bpm0l06WS_rms vs run
χ² / ndf 4188 / 91
p0 257.5 ± 0.1964
290
280
270
260
250
240
230

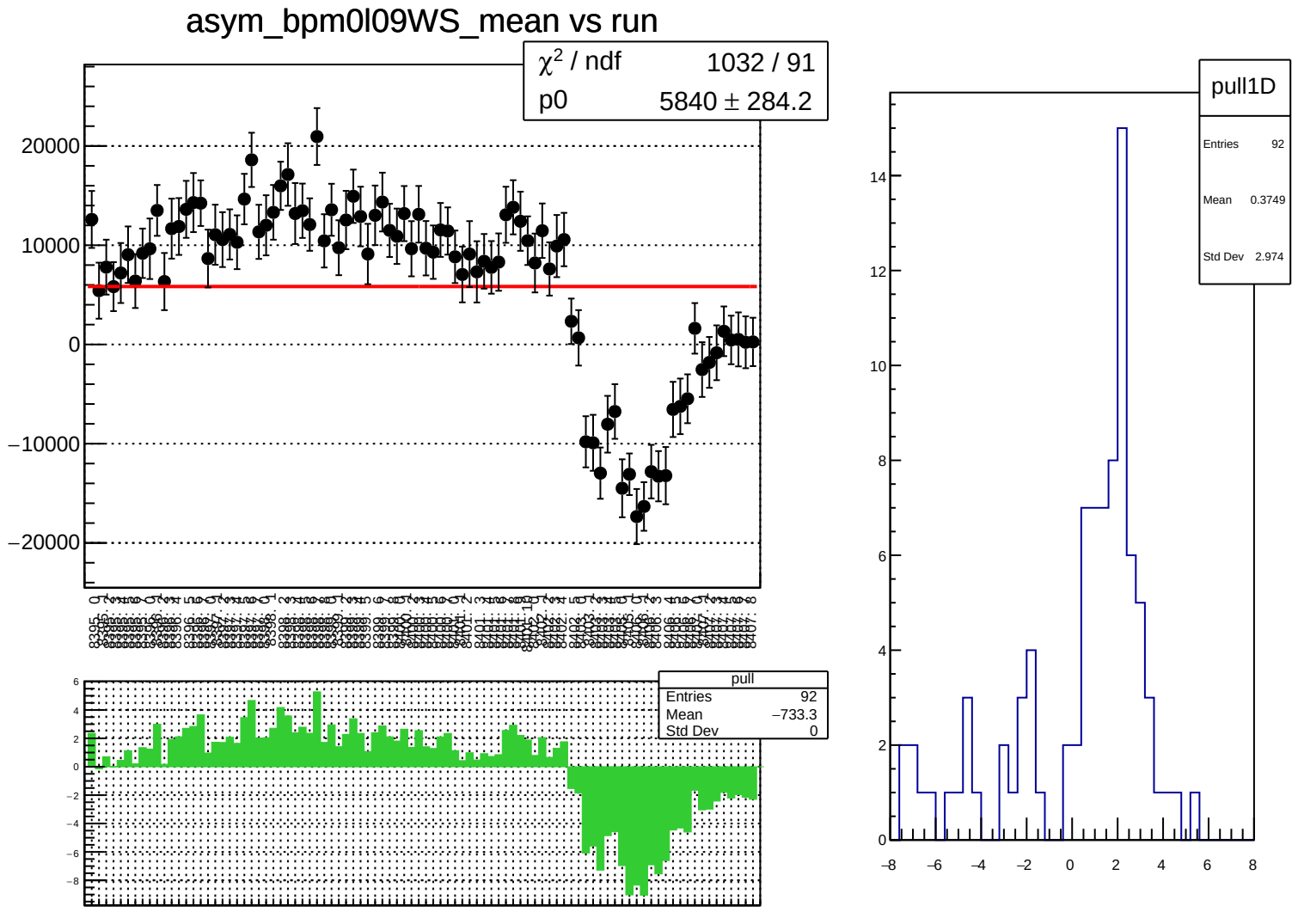

asym_bpm0l07WS_mean vs run
χ² / ndf 1105 / 91
p0 6476 ± 268.8
pull
Entries 92
Mean −2608
Std Dev 0

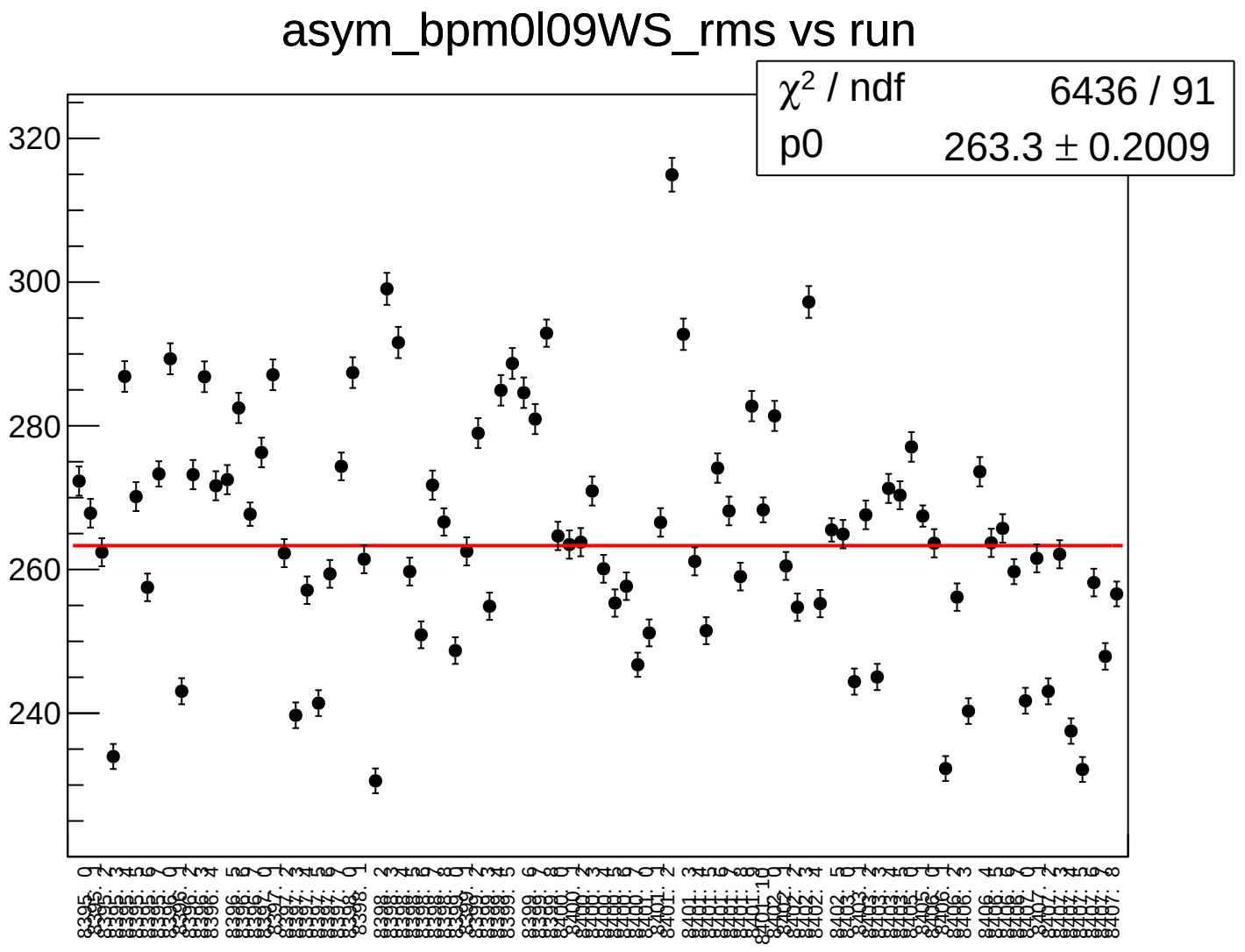

pull1D
Entries 92
Mean 0.4321
Std Dev 2.947

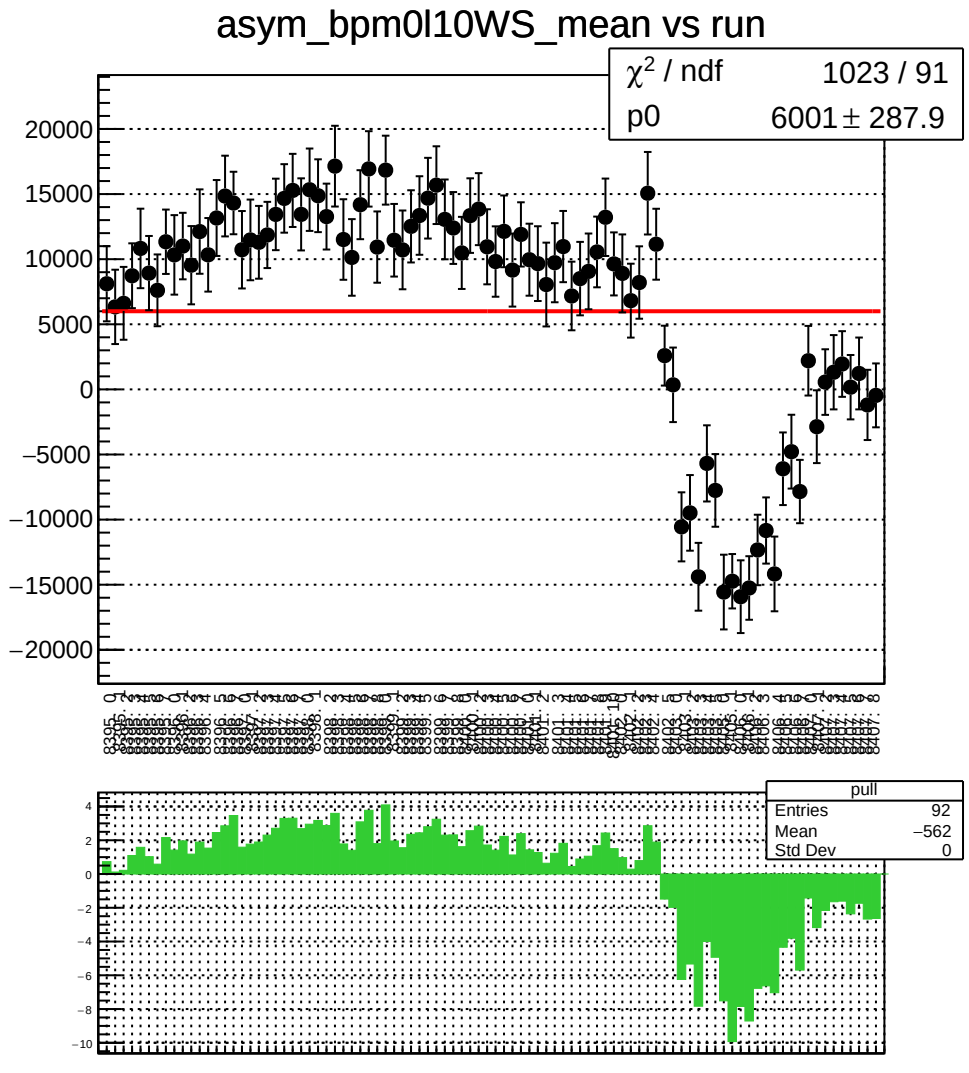

asym_bpm0l07WS_rms vs run
χ² / ndf 4302 / 91
p0 249.2 ± 0.1901
280
270
260
250
240
230
220

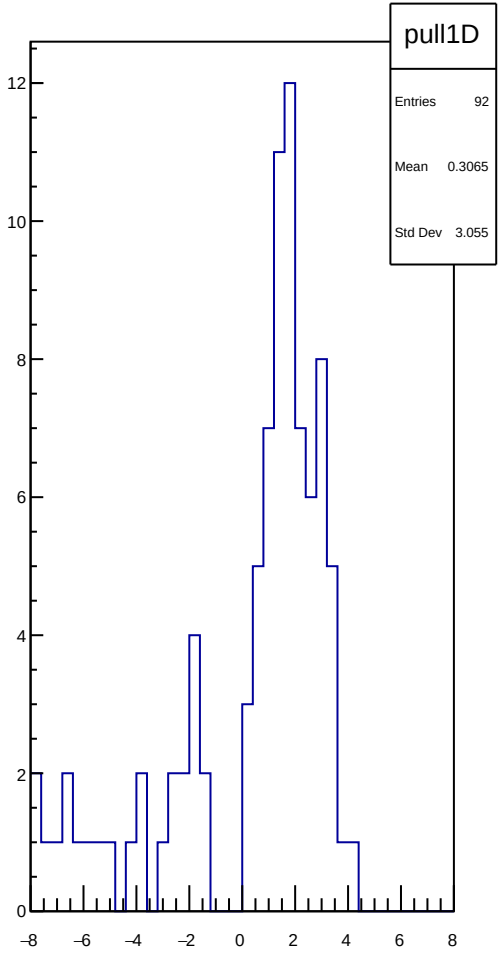

asym_bpm0l08WS_mean vs run
χ² / ndf 1138 / 91
p0 6784 ± 258.9
pull
Entries 92
Mean 1170
Std Dev 0
pull1D
Entries 92
Mean 0.3494
Std Dev 3.021

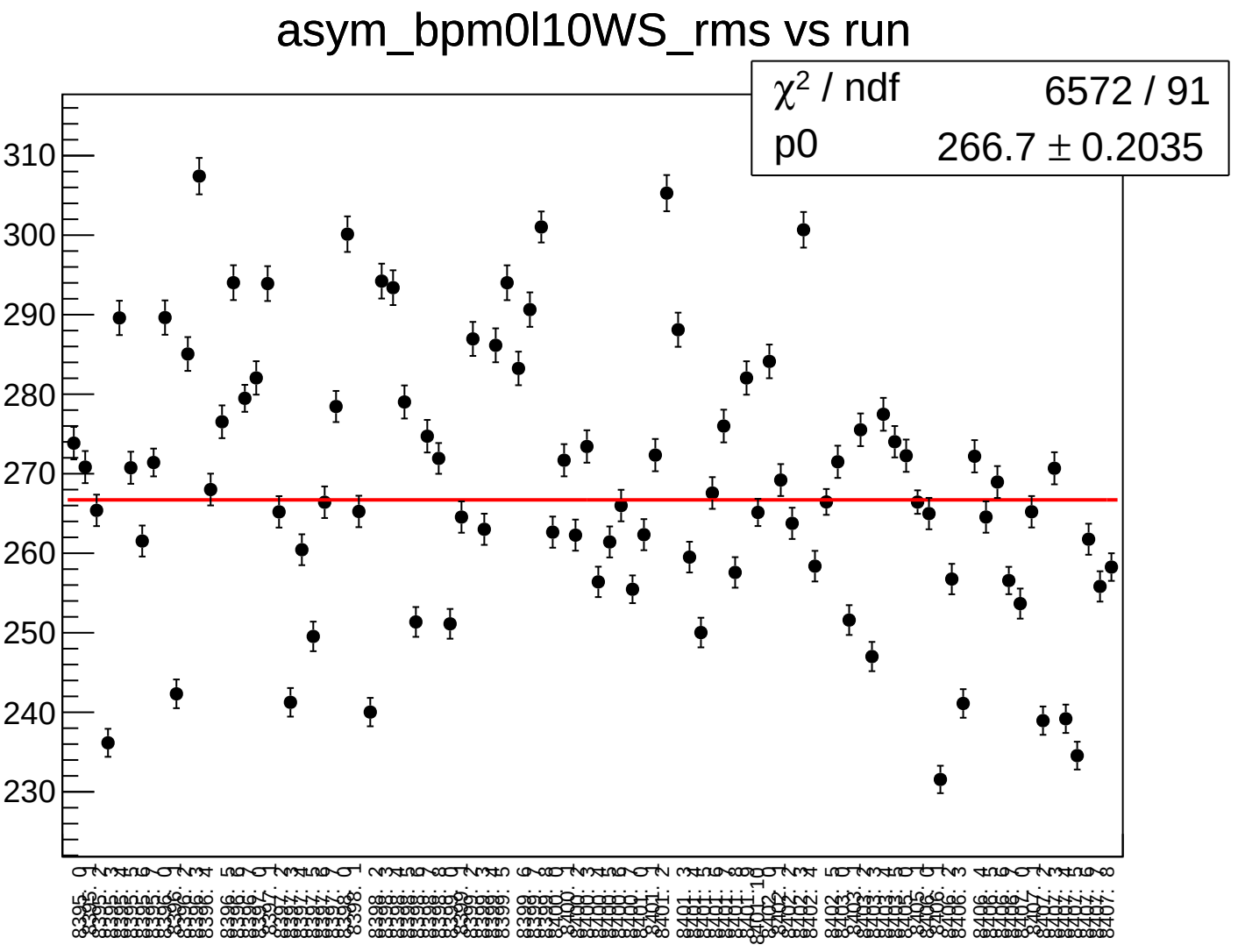

asym_bpm0l08WS_rms vs run
χ² / ndf 4831 / 91
p0 240 ± 0.183
270
260
250
240
230
220
210

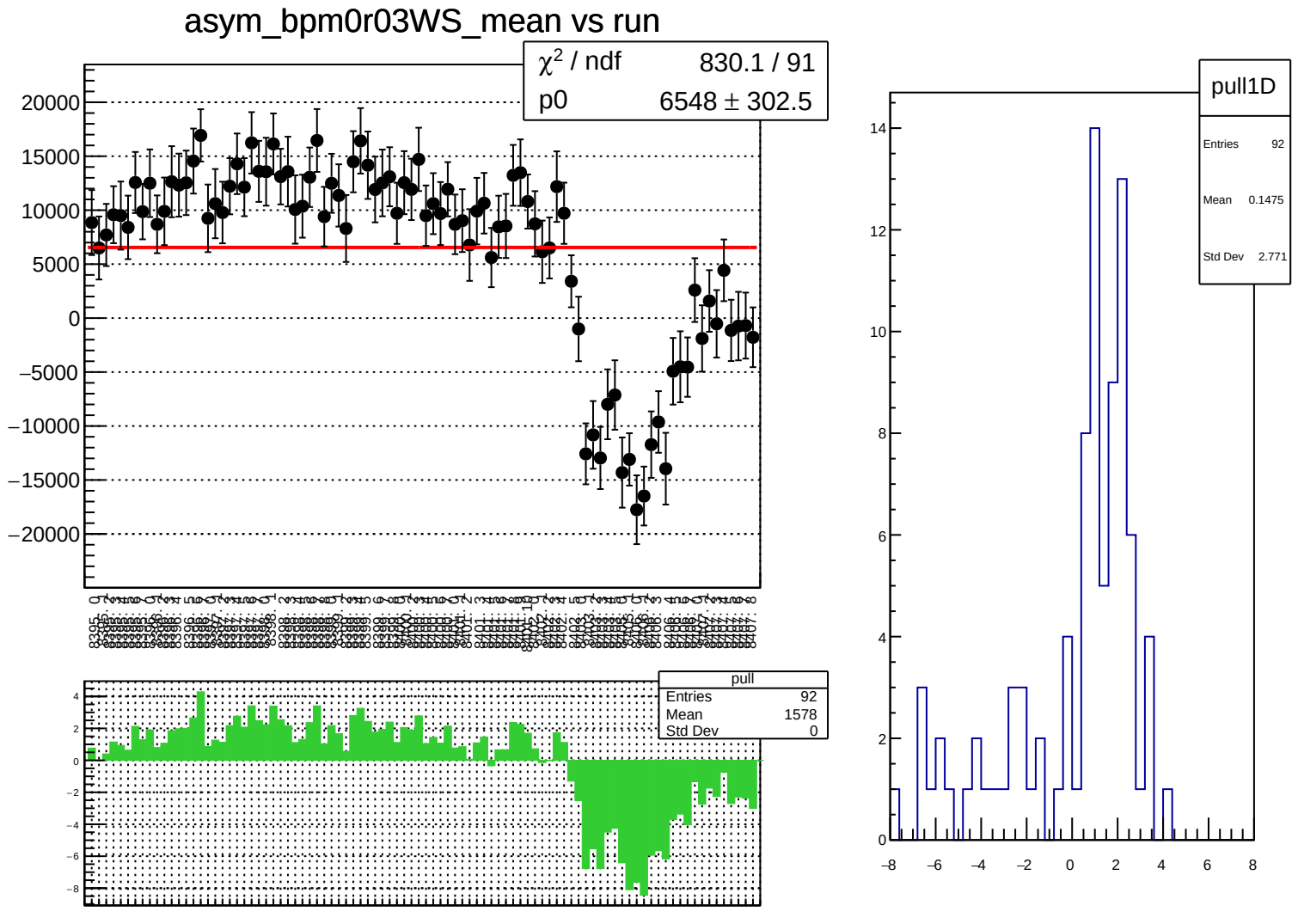

asym_bpm0l09WS_mean vs run
χ² / ndf 1032 / 91
p0 5840 ± 284.2
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −733.3
Std Dev 0
6
4
2
0
−2
−4
−6
−8
pull1D
Entries 92
Mean 0.3749
Std Dev 2.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

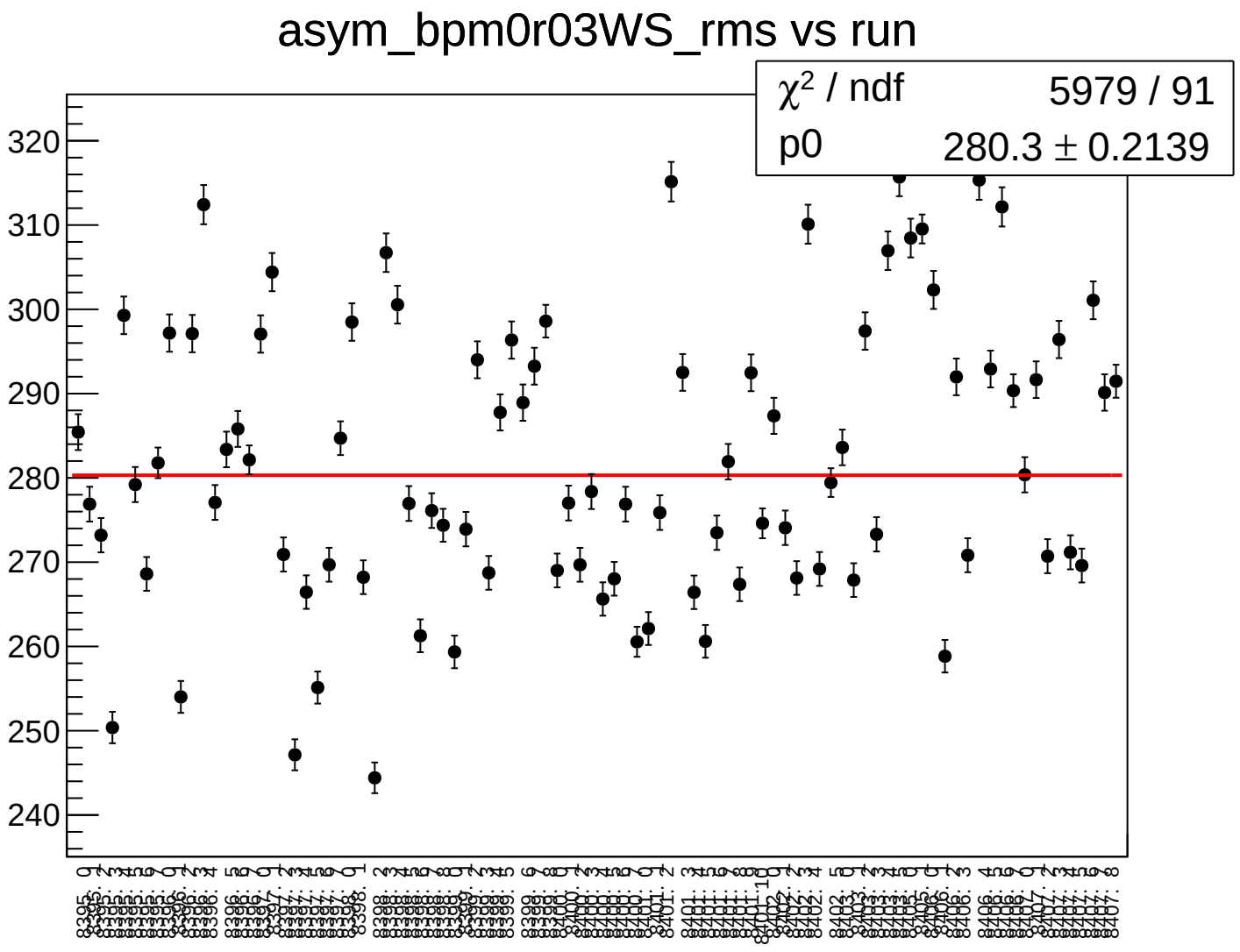

asym_bpm0l09WS_rms vs run
χ² / ndf 6436 / 91
p0 263.3 ± 0.2009
320
300
280
260
240

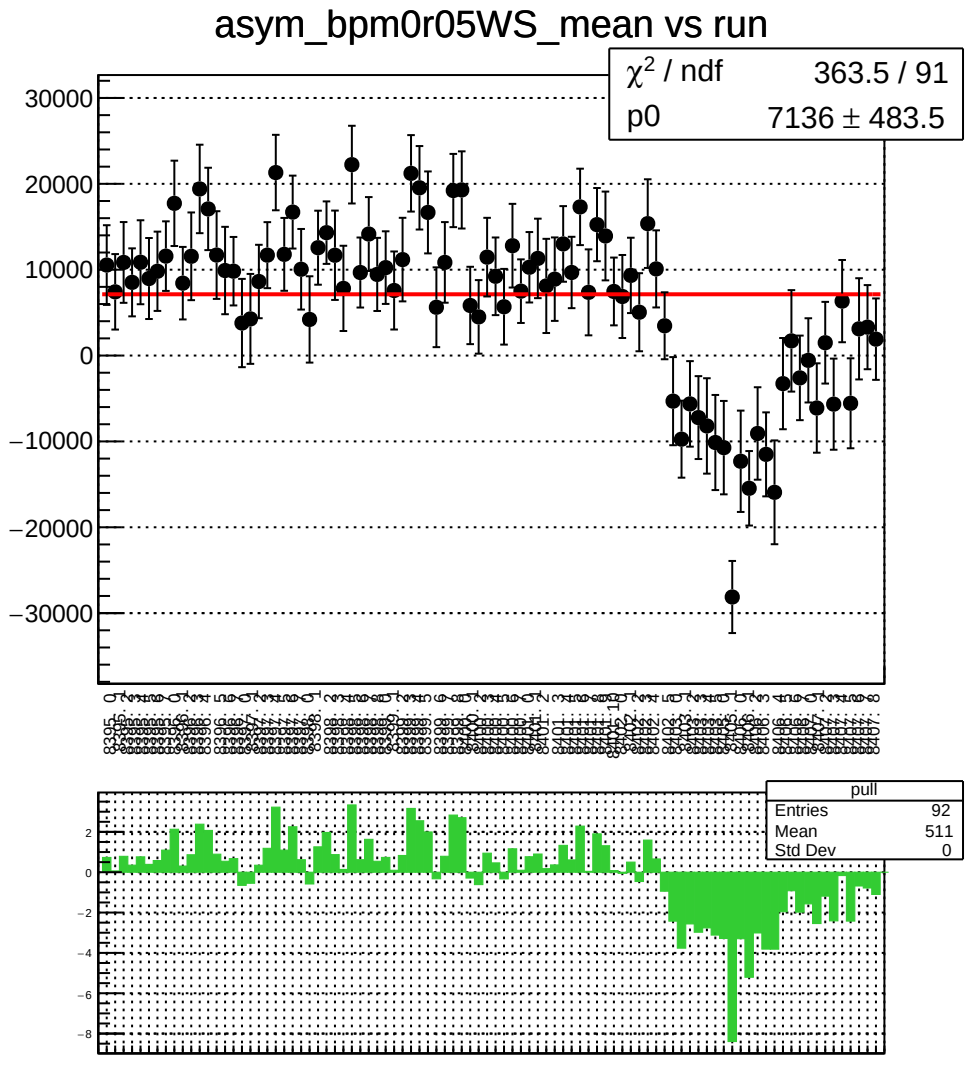

asym_bpm0l10WS_mean vs run
χ² / ndf 1023 / 91
p0 6001 ± 287.9
pull
Entries 92
Mean −562
Std Dev 0

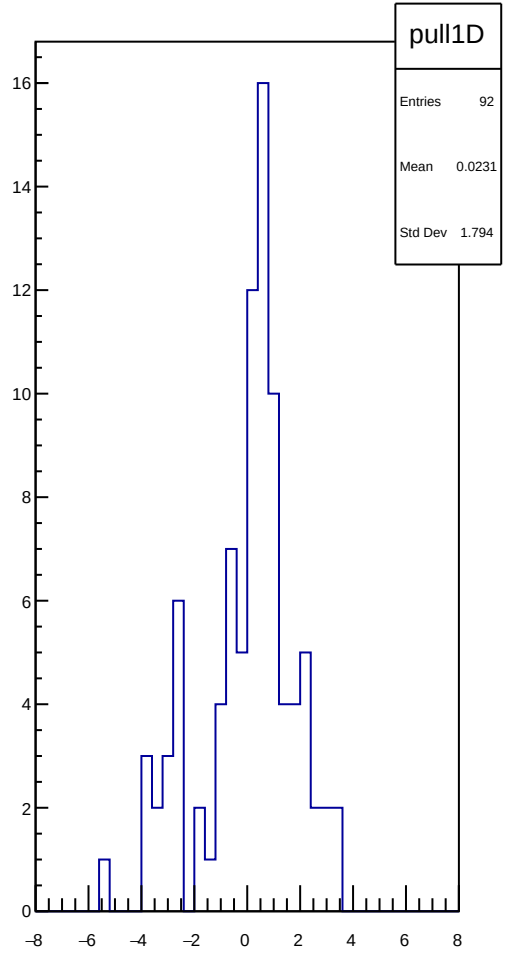

pull1D
Entries 92
Mean 0.3065
Std Dev 3.055

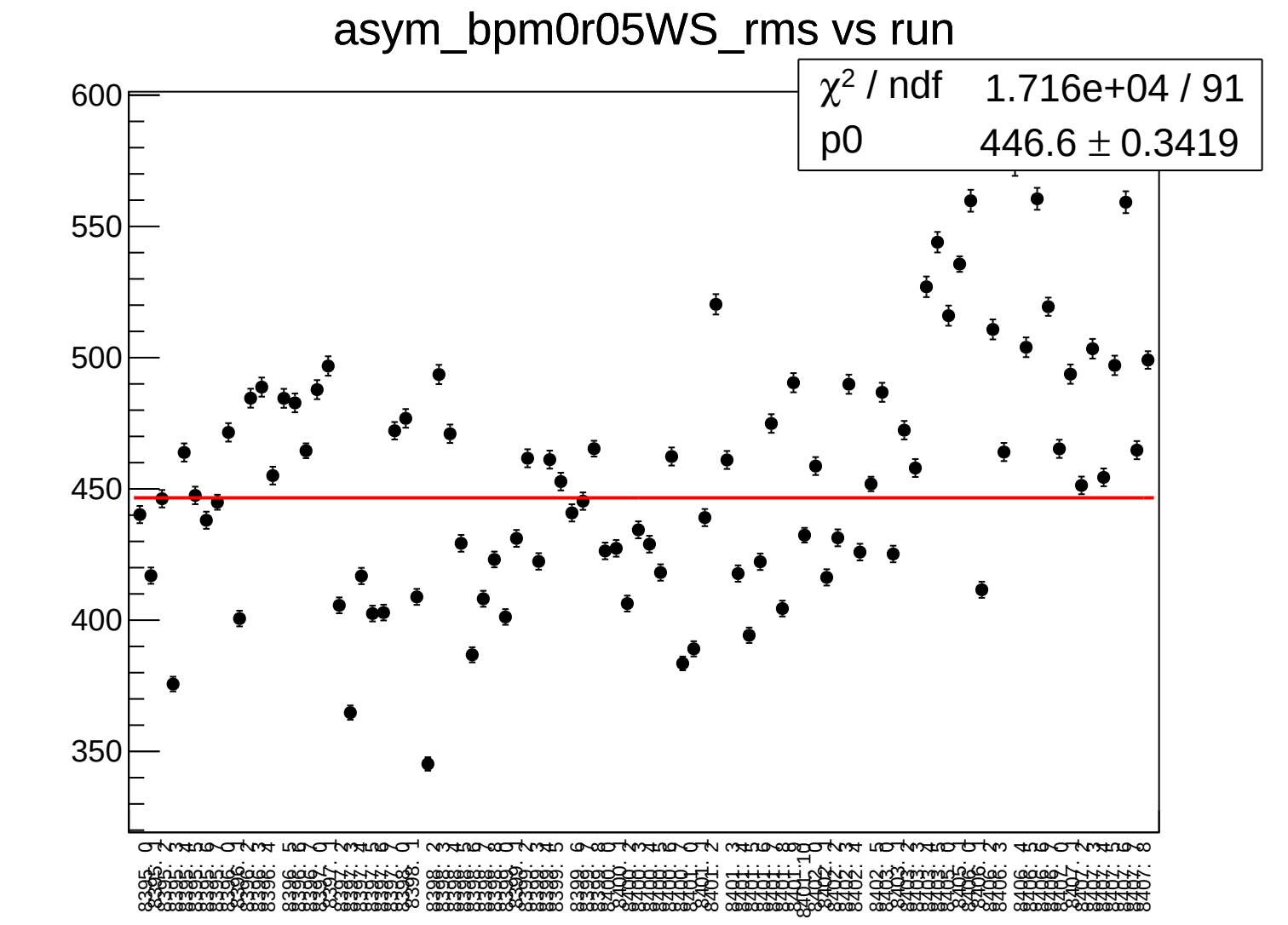

asym_bpm0l10WS_rms vs run
$\chi^2$ / ndf 6572 / 91
p0 266.7 ± 0.2035
310
300
290
280
270
260
250
240
230

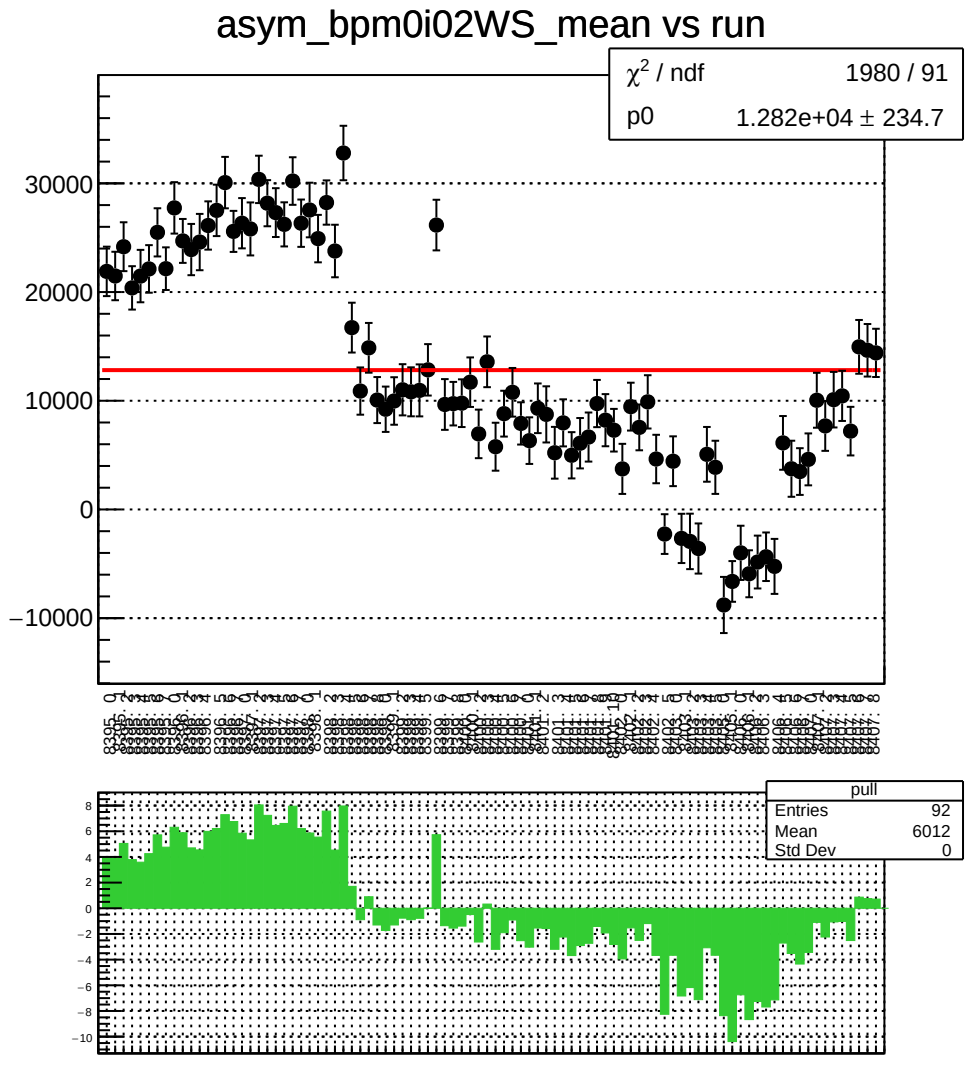

asym_bpm0r03WS_mean vs run
χ² / ndf 830.1 / 91
p0 6548 ± 302.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean 1578
Std Dev 0
4
2
0
−2
−4
−6
−8
pull1D
Entries 92
Mean 0.1475
Std Dev 2.771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

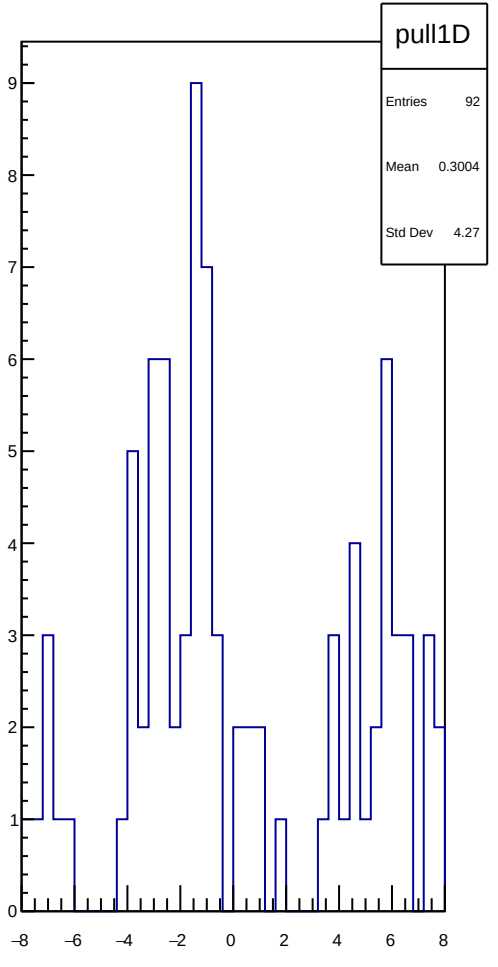

asym_bpm0r03WS_rms vs run
χ² / ndf 5979 / 91
p0 280.3 ± 0.2139
320
310
300
290
280
270
260
250
240

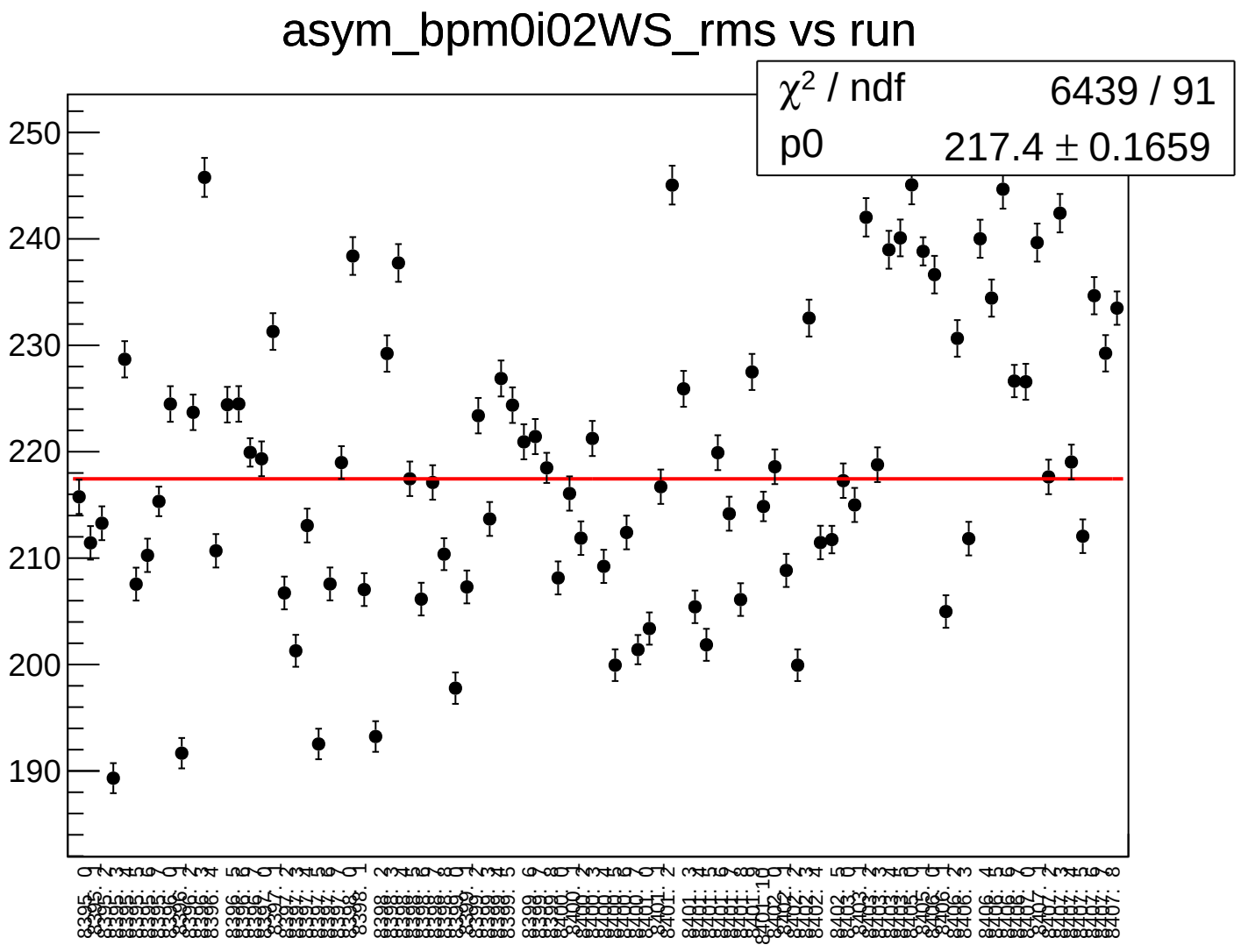

asym_bpm0r05WS_mean vs run
χ² / ndf 363.5 / 91
p0 7136 ± 483.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 511
Std Dev 0
2
0
−2
−4
−6
−8

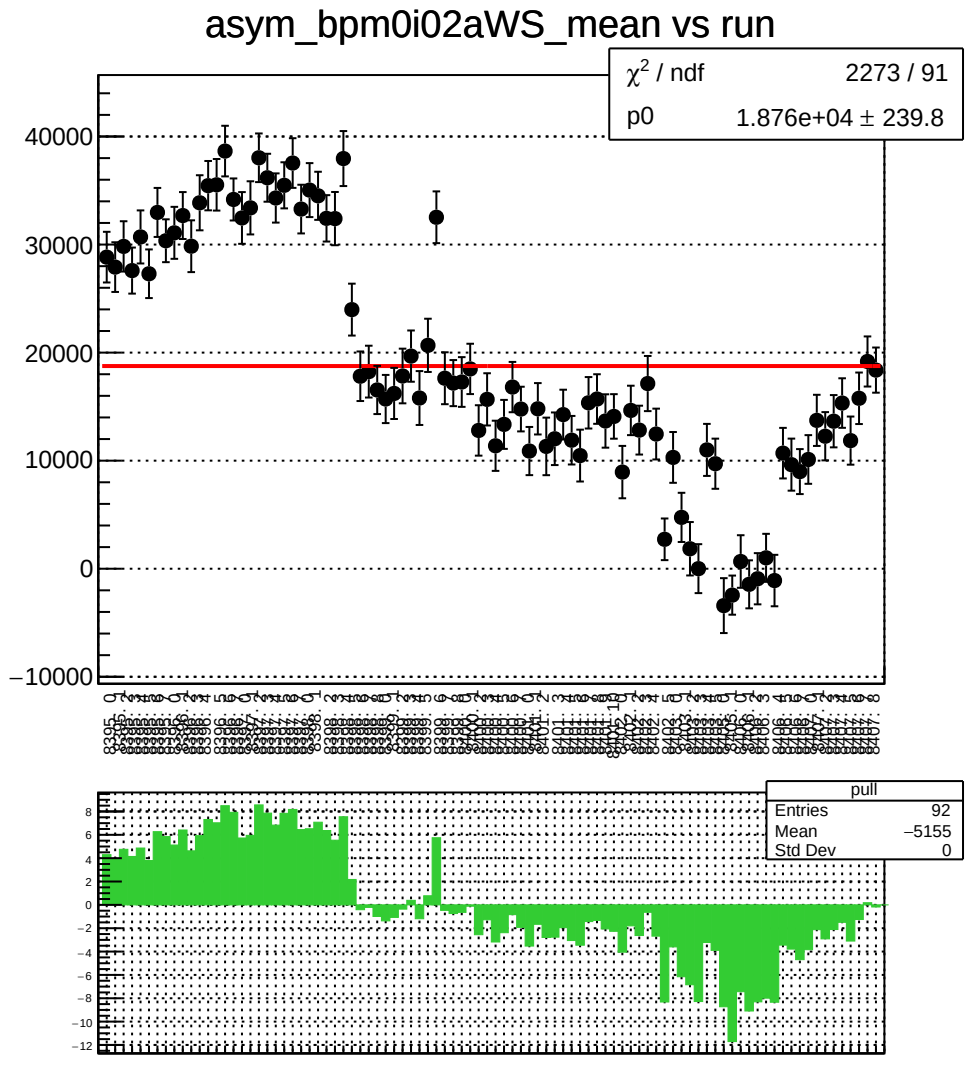

pull1D
Entries 92
Mean 0.0231
Std Dev 1.794
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

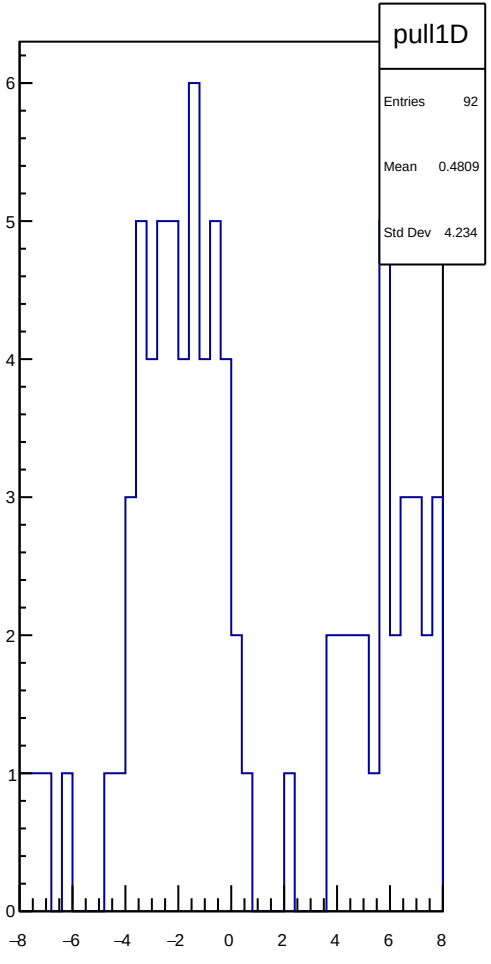

asym_bpm0r05WS_rms vs run
$\chi^2$ / ndf 1.716e+04 / 91
p0 446.6 ± 0.3419
600
550
500
450
400
350

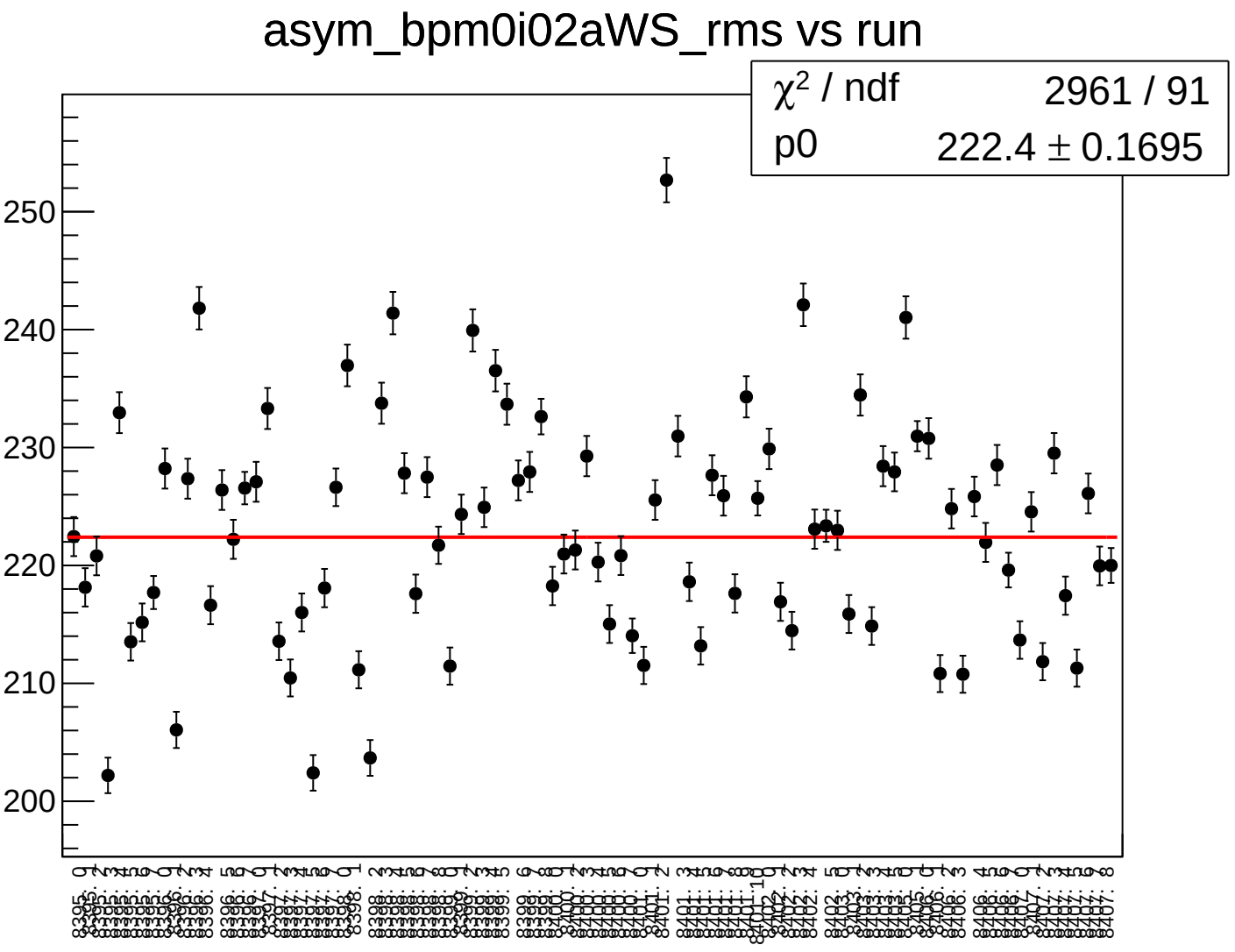

asym_bpm0i02WS_mean vs run
χ² / ndf 1980 / 91
p0 1.282e+04 ± 234.7
30000
20000
10000
0
−10000
pull
Entries 92
Mean 6012
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10

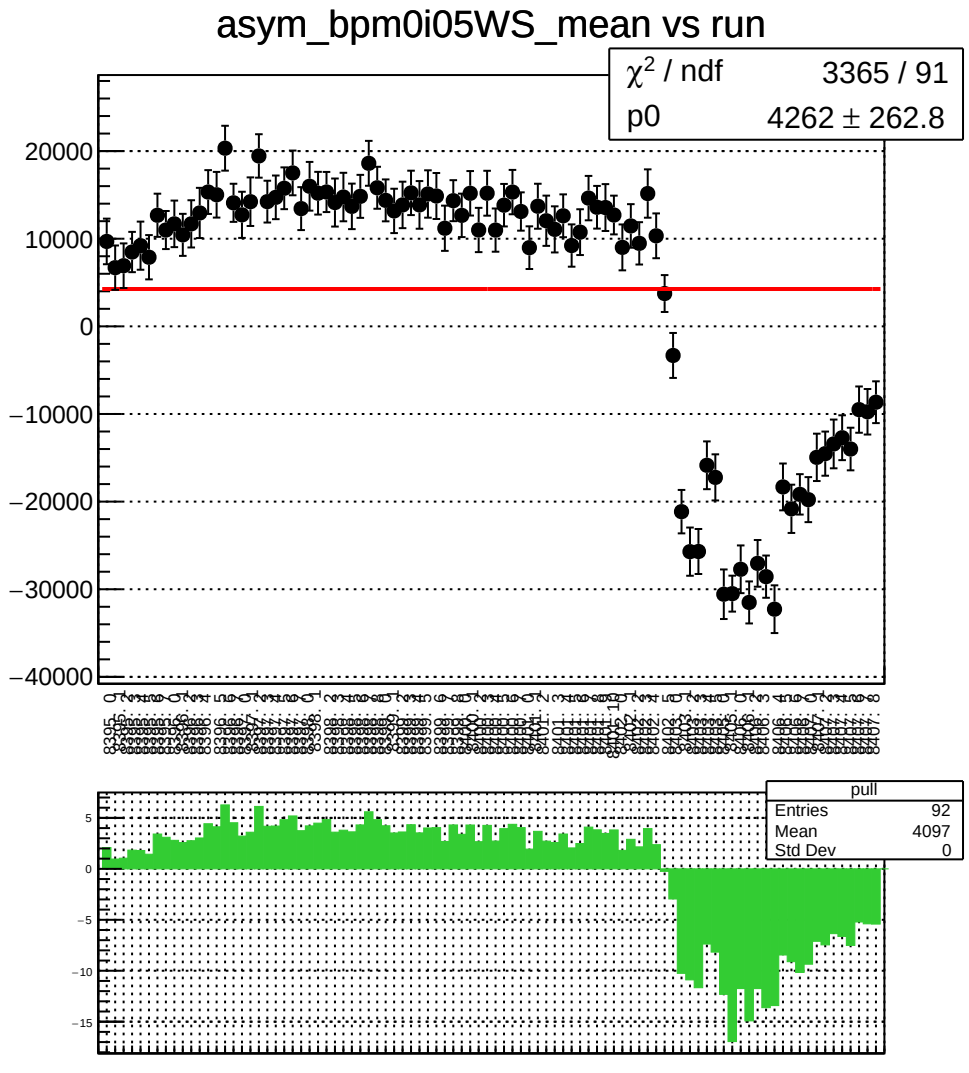

pull1D
Entries 92
Mean 0.3004
Std Dev 4.27
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

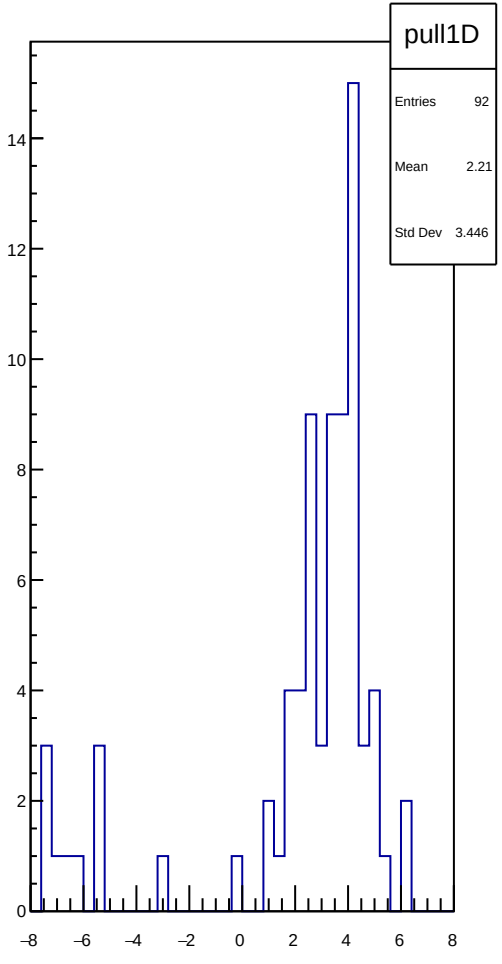

asym_bpm0i02WS_rms vs run
χ² / ndf 6439 / 91
p0 217.4 ± 0.1659
250
240
230
220
210
200
190

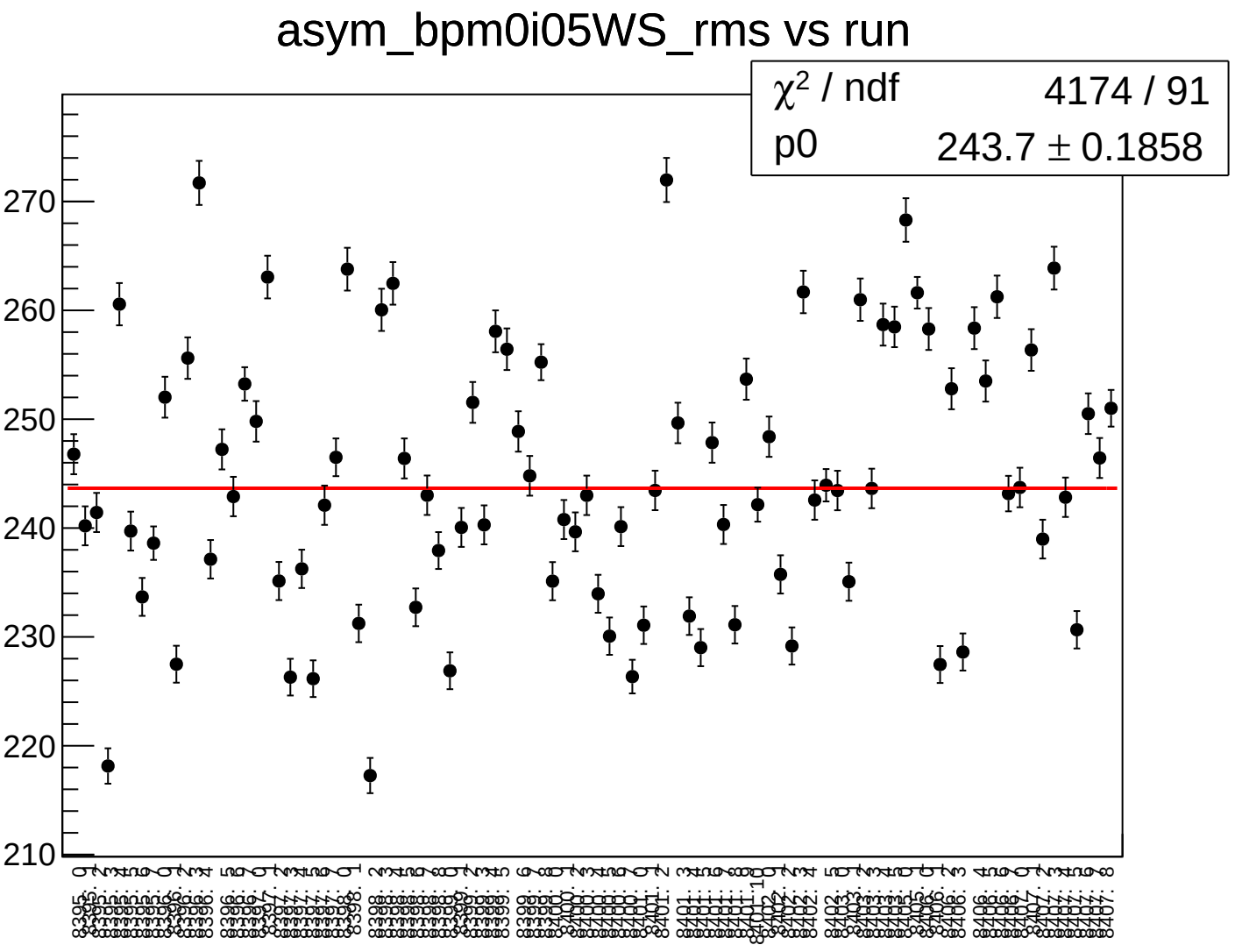

asym_bpm0i02aWS_mean vs run
χ² / ndf 2273 / 91
p0 1.876e+04 ± 239.8
40000
30000
20000
10000
0
−10000
pull
Entries 92
Mean −5155
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10
−12

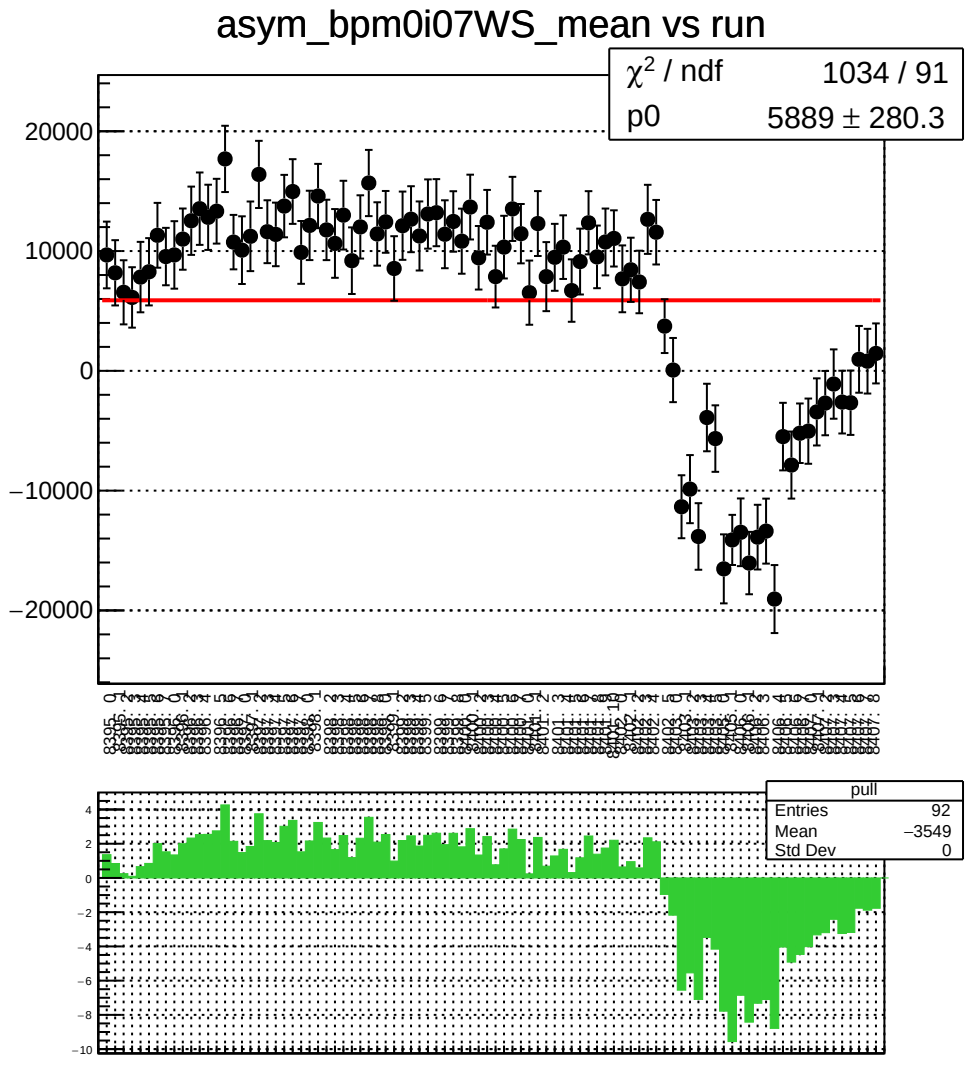

pull1D
Entries 92
Mean 0.4809
Std Dev 4.234
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

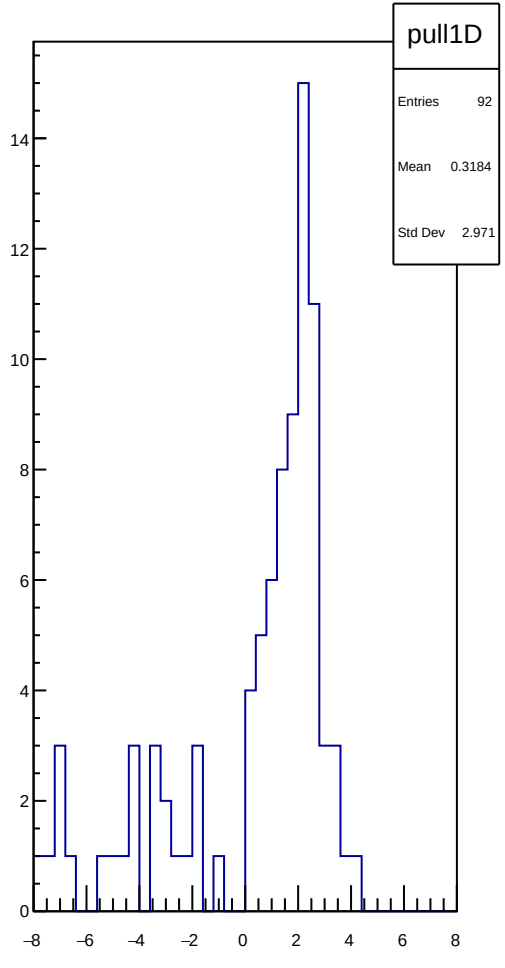

asym_bpm0i02aWS_rms vs run
χ² / ndf 2961 / 91
p0 222.4 ± 0.1695
250
240
230
220
210
200

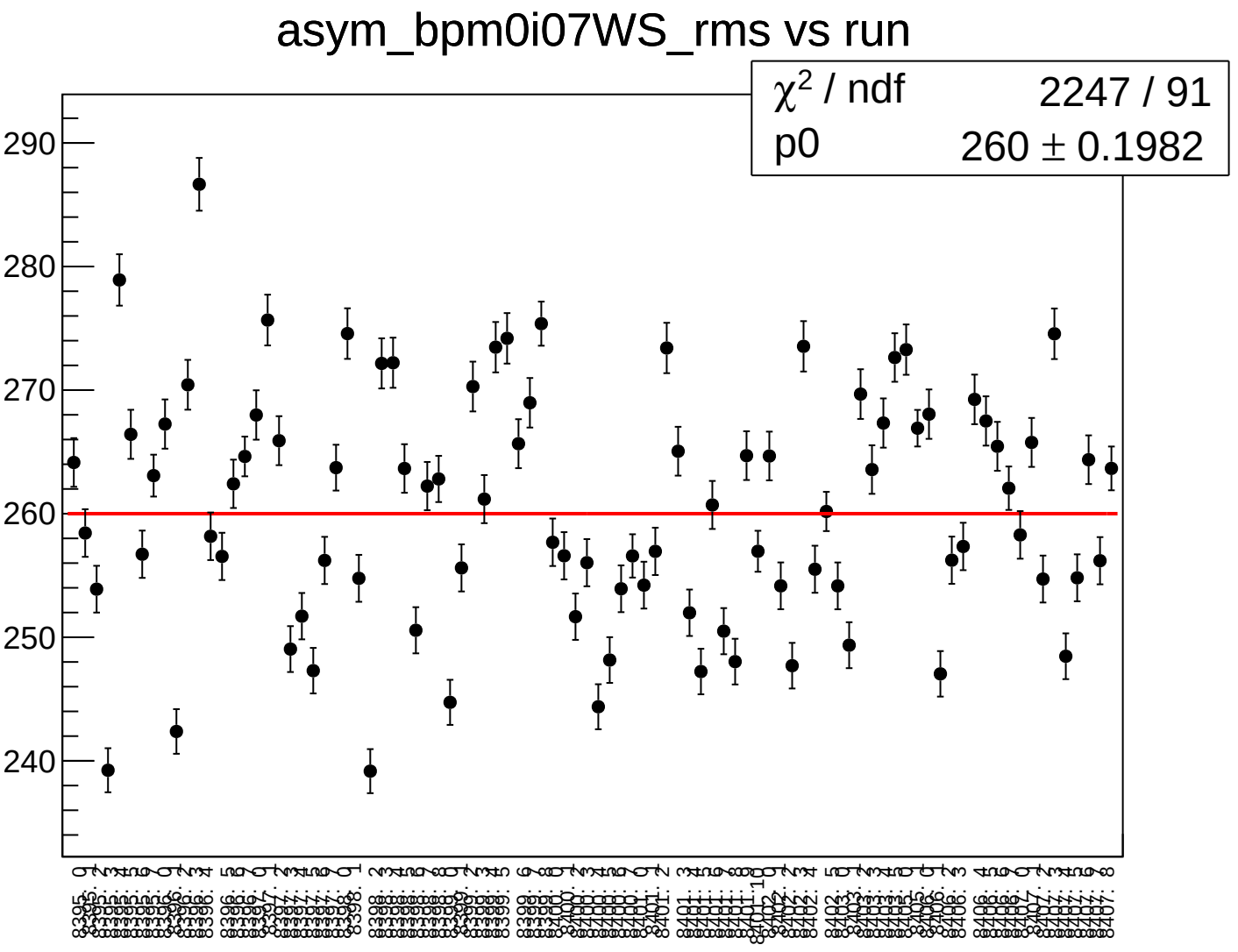

asym_bpm0i05WS_mean vs run
χ² / ndf 3365 / 91
p0 4262 ± 262.8
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 4097
Std Dev 0
5
0
−5
−10
−15

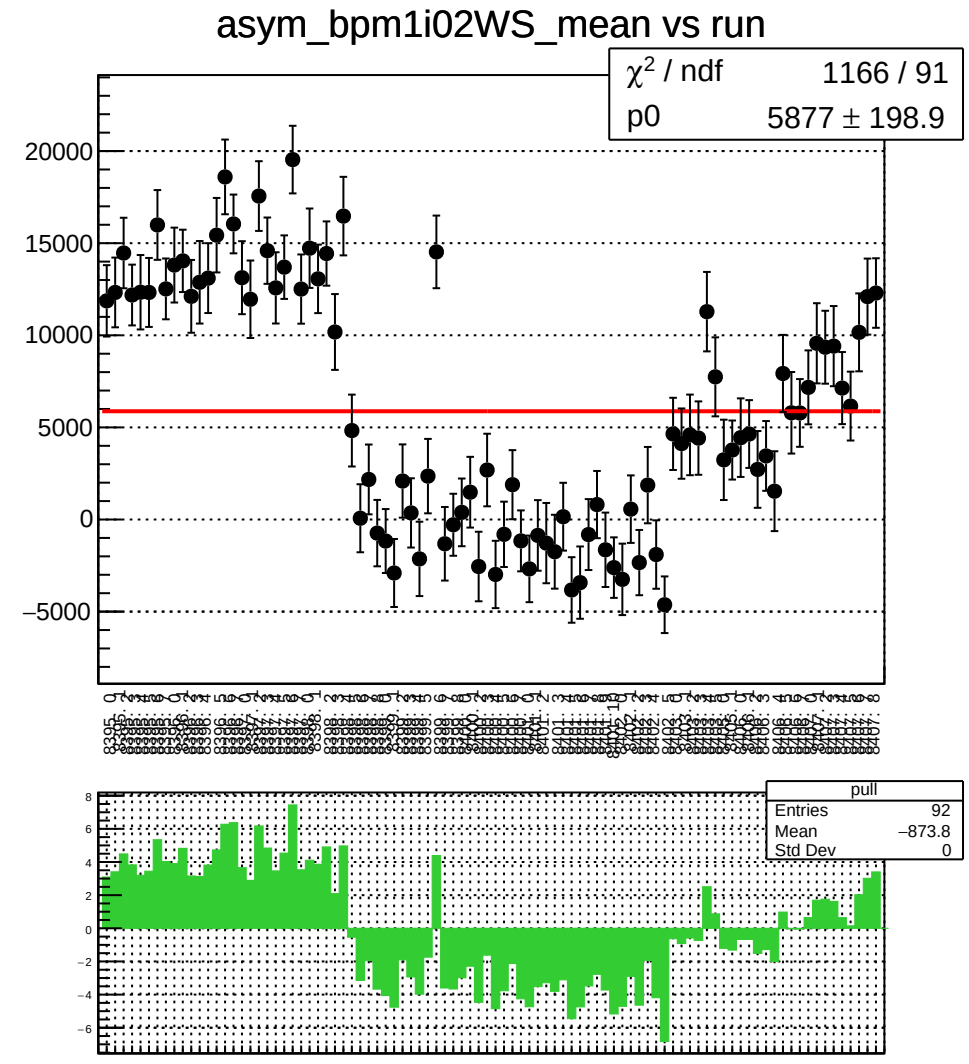

pull1D
Entries 92
Mean 2.21
Std Dev 3.446
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

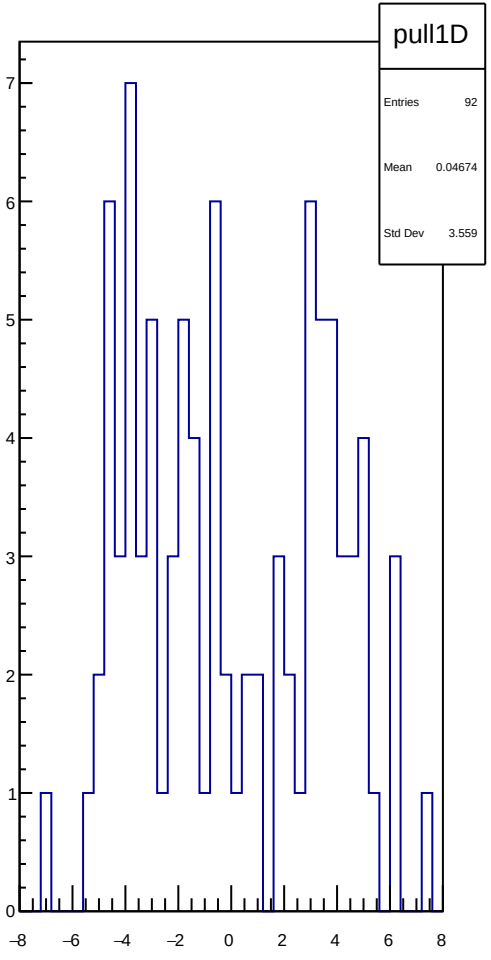

asym_bpm0i05WS_rms vs run
χ² / ndf 4174 / 91
p0 243.7 ± 0.1858
270
260
250
240
230
220
210

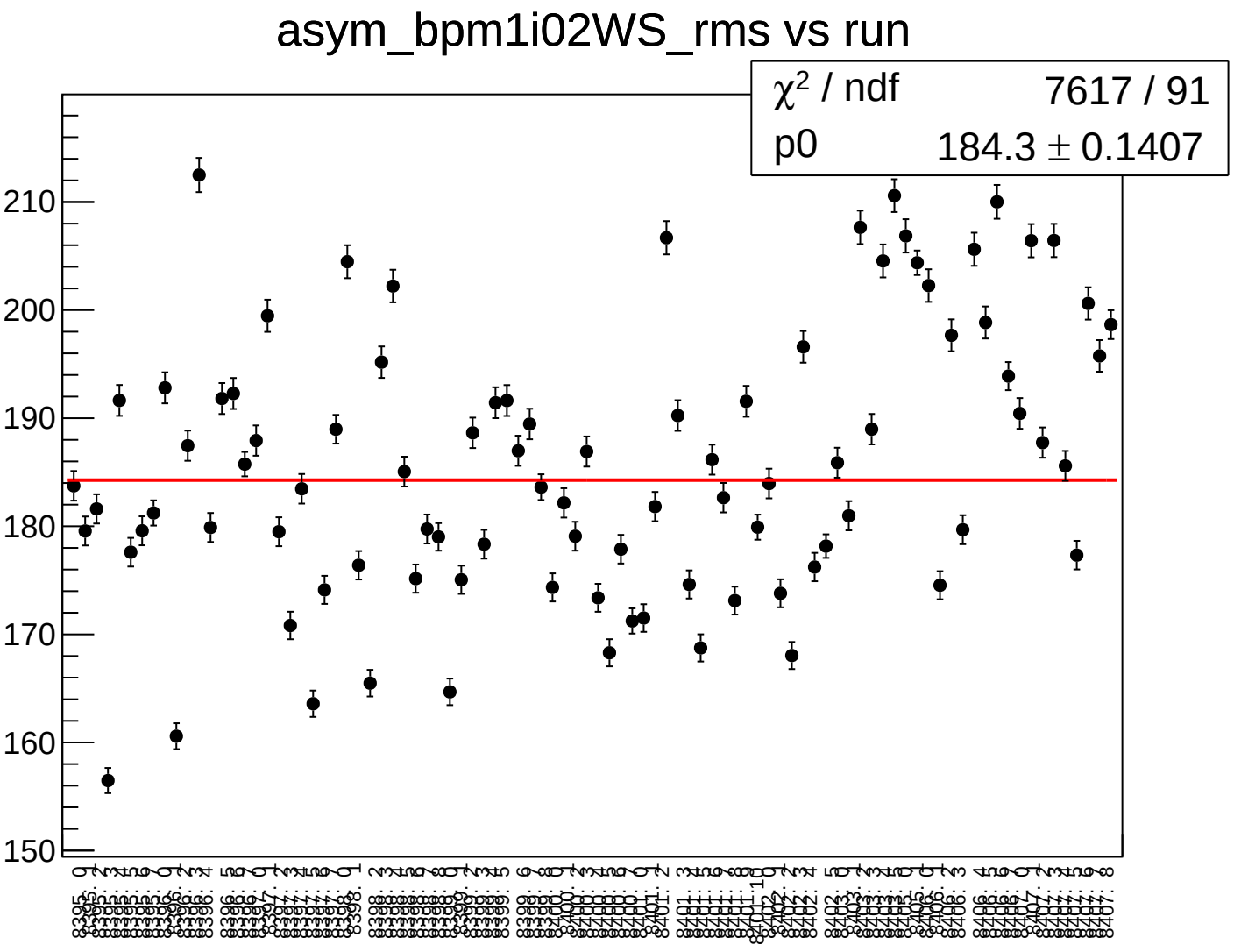

asym_bpm0i07WS_mean vs run
χ² / ndf 1034 / 91
p0 5889 ± 280.3
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −3549
Std Dev 0
4
2
0
−2
−4
−6
−8
−10

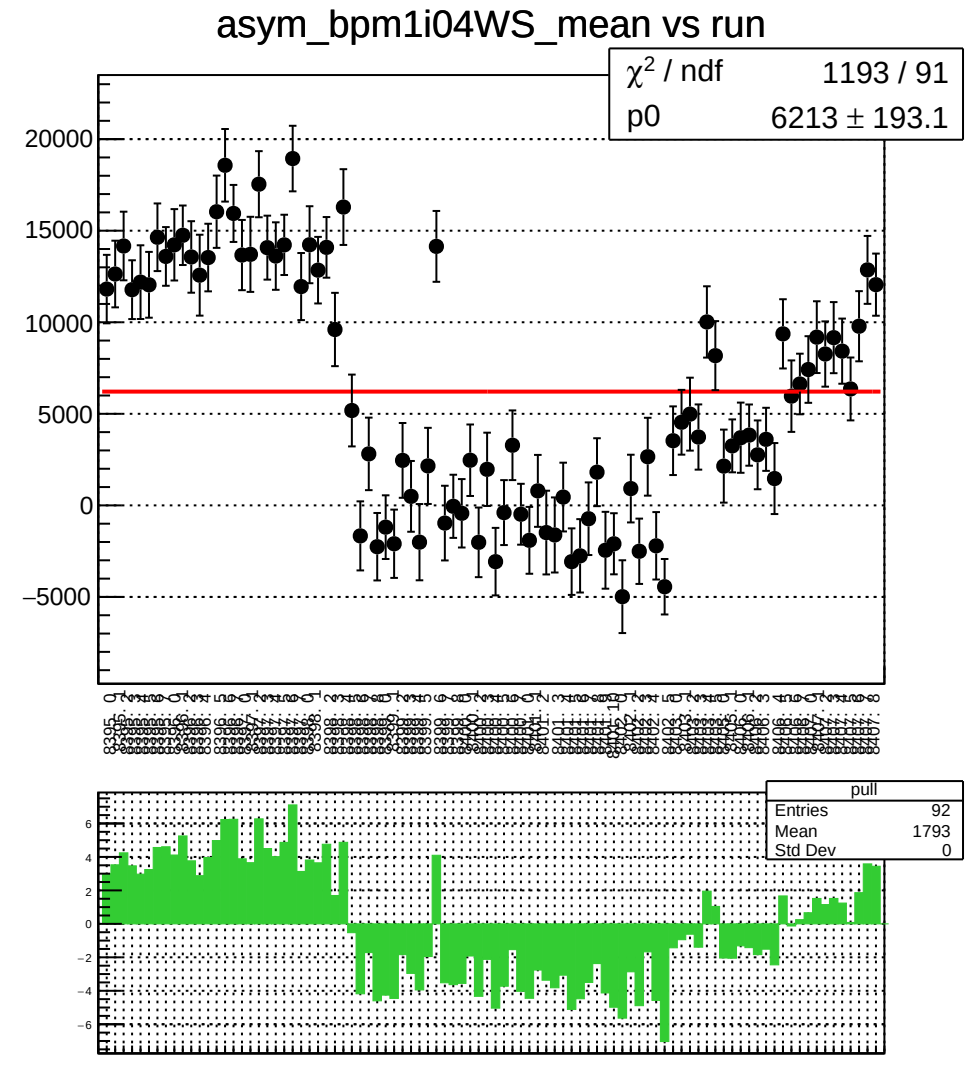

pull1D
Entries 92
Mean 0.3184
Std Dev 2.971
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

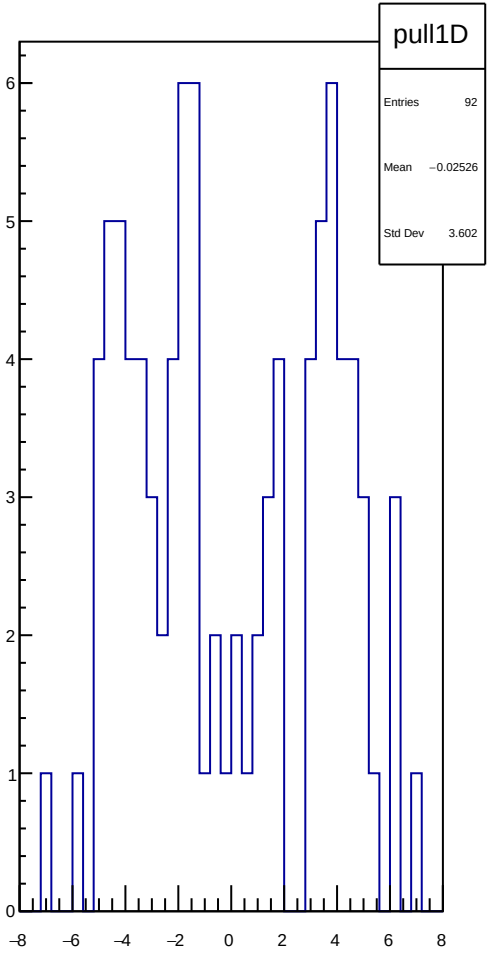

asym_bpm0i07WS_rms vs run
$\chi^2$ / ndf 2247 / 91
p0 260 ± 0.1982
290
280
270
260
250
240

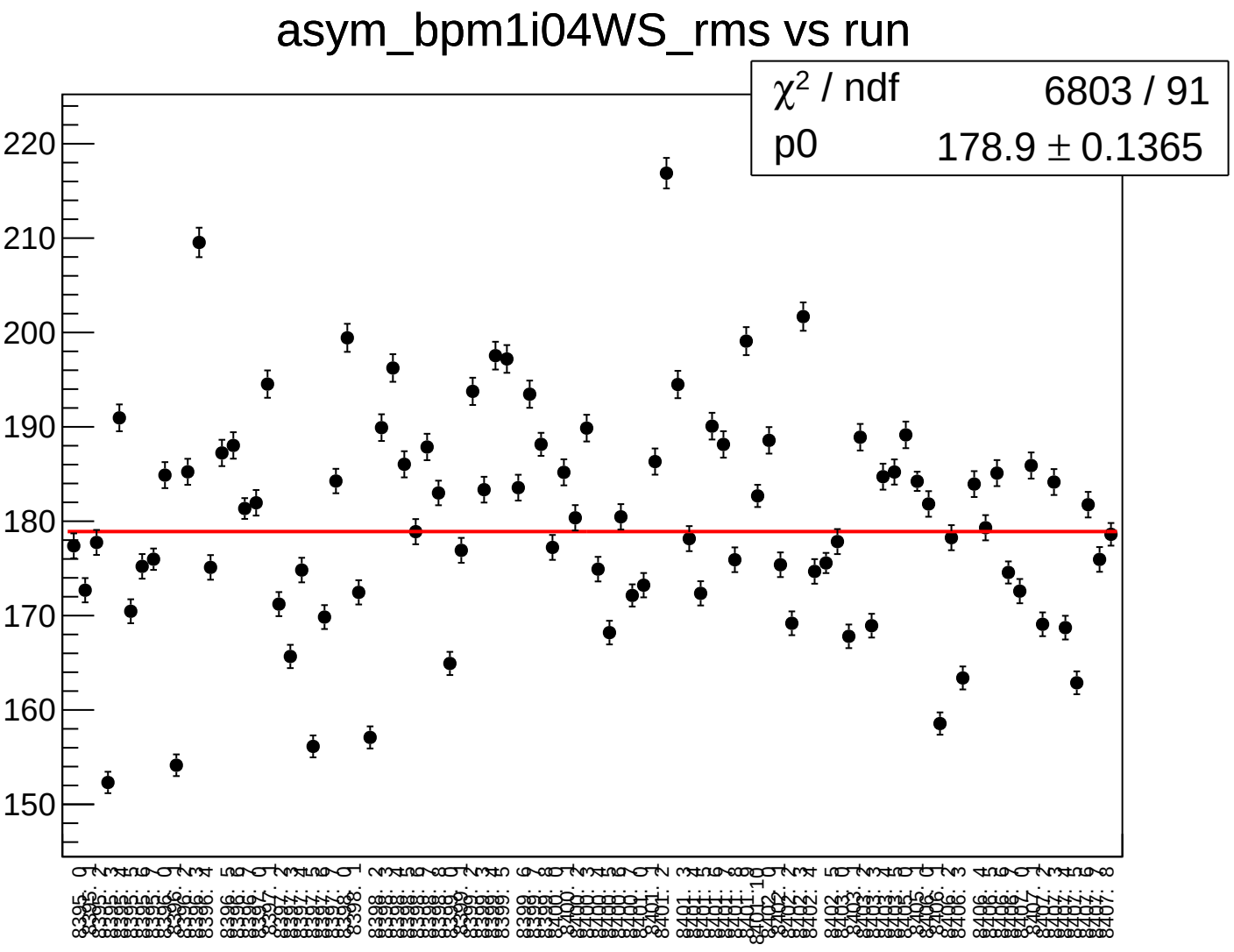

asym_bpm1i02WS_mean vs run
χ² / ndf 1166 / 91
p0 5877 ± 198.9
20000
15000
10000
5000
0
−5000
pull
Entries 92
Mean −873.8
Std Dev 0
8
6
4
2
0
−2
−4
−6

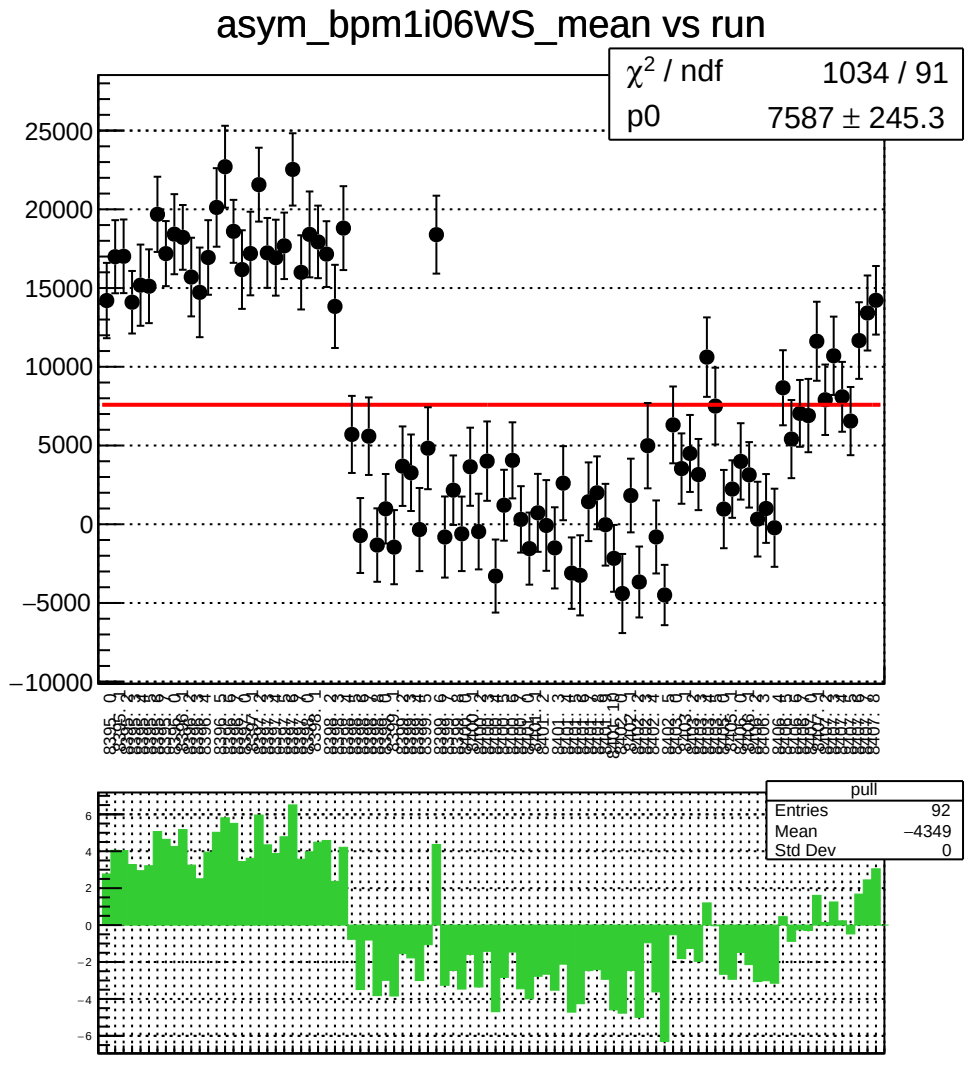

pull1D
Entries 92
Mean 0.04674
Std Dev 3.559
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

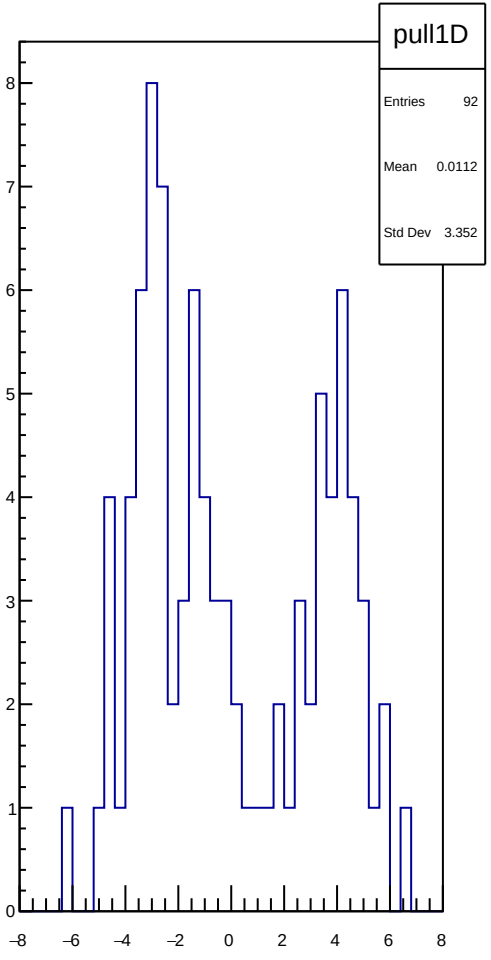

asym_bpm1i02WS_rms vs run
χ² / ndf 7617 / 91
p0 184.3 ± 0.1407
210
200
190
180
170
160
150

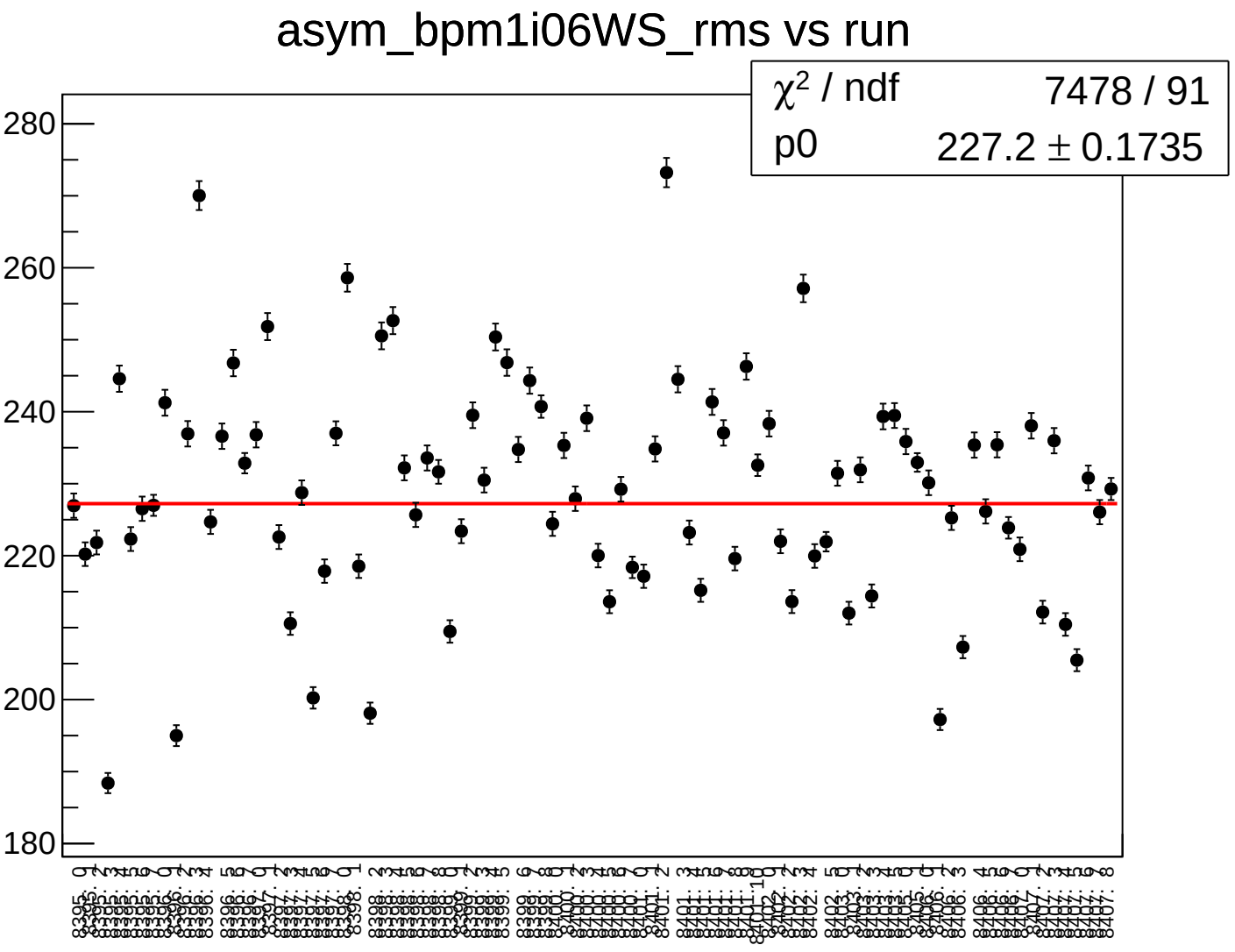

asym_bpm1i04WS_mean vs run
χ² / ndf 1193 / 91
p0 6213 ± 193.1
20000
15000
10000
5000
0
−5000
pull
Entries 92
Mean 1793
Std Dev 0
6
4
2
0
−2
−4
−6

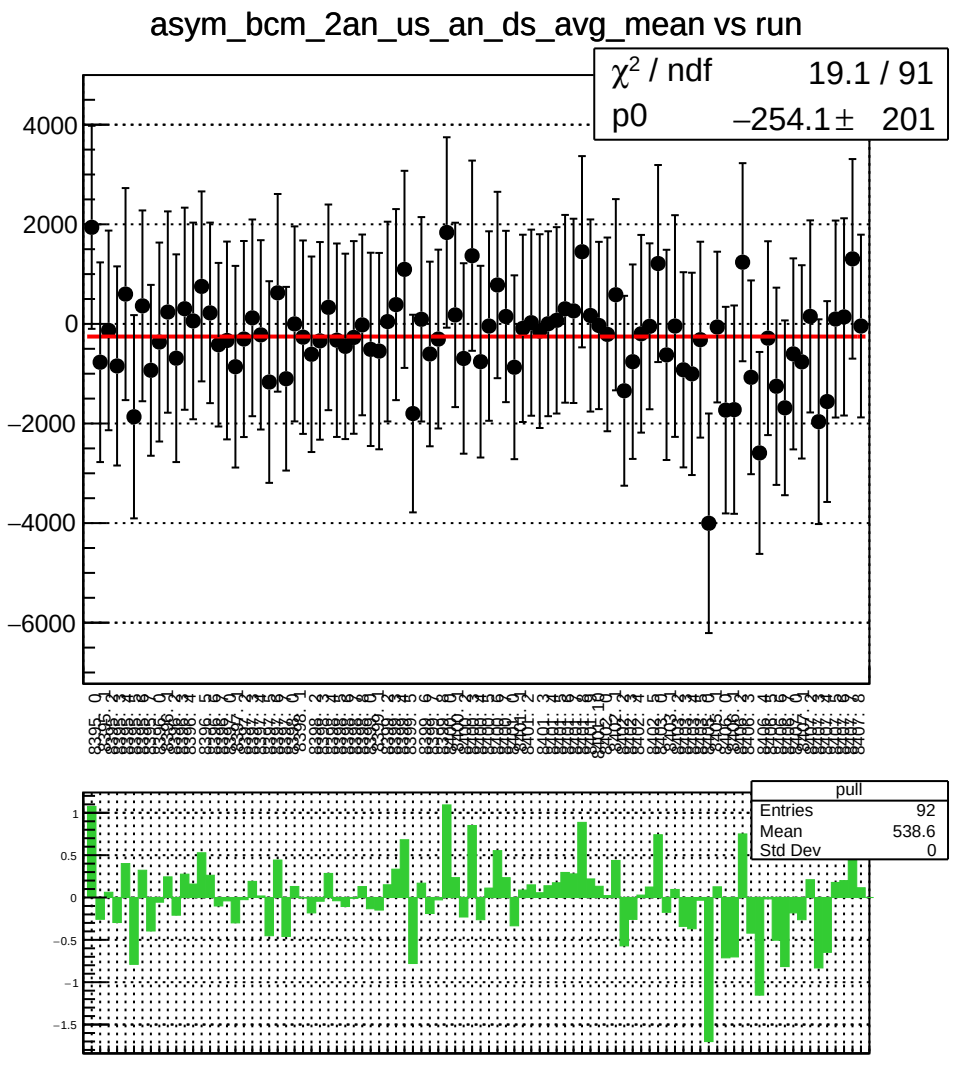

pull1D
Entries 92
Mean −0.02526
Std Dev 3.602
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

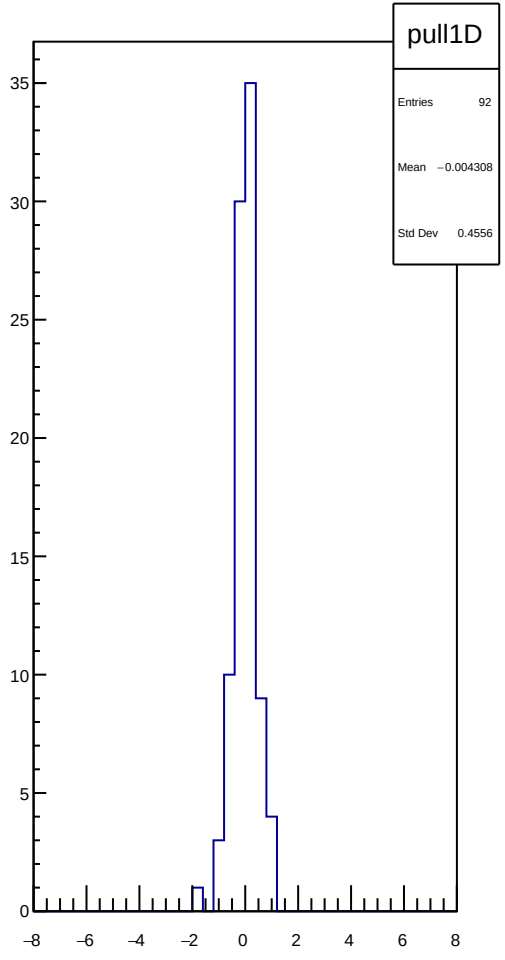

asym_bpm1i04WS_rms vs run
$\chi^2$ / ndf 6803 / 91
p0 178.9 ± 0.1365
220
210
200
190
180
170
160
150

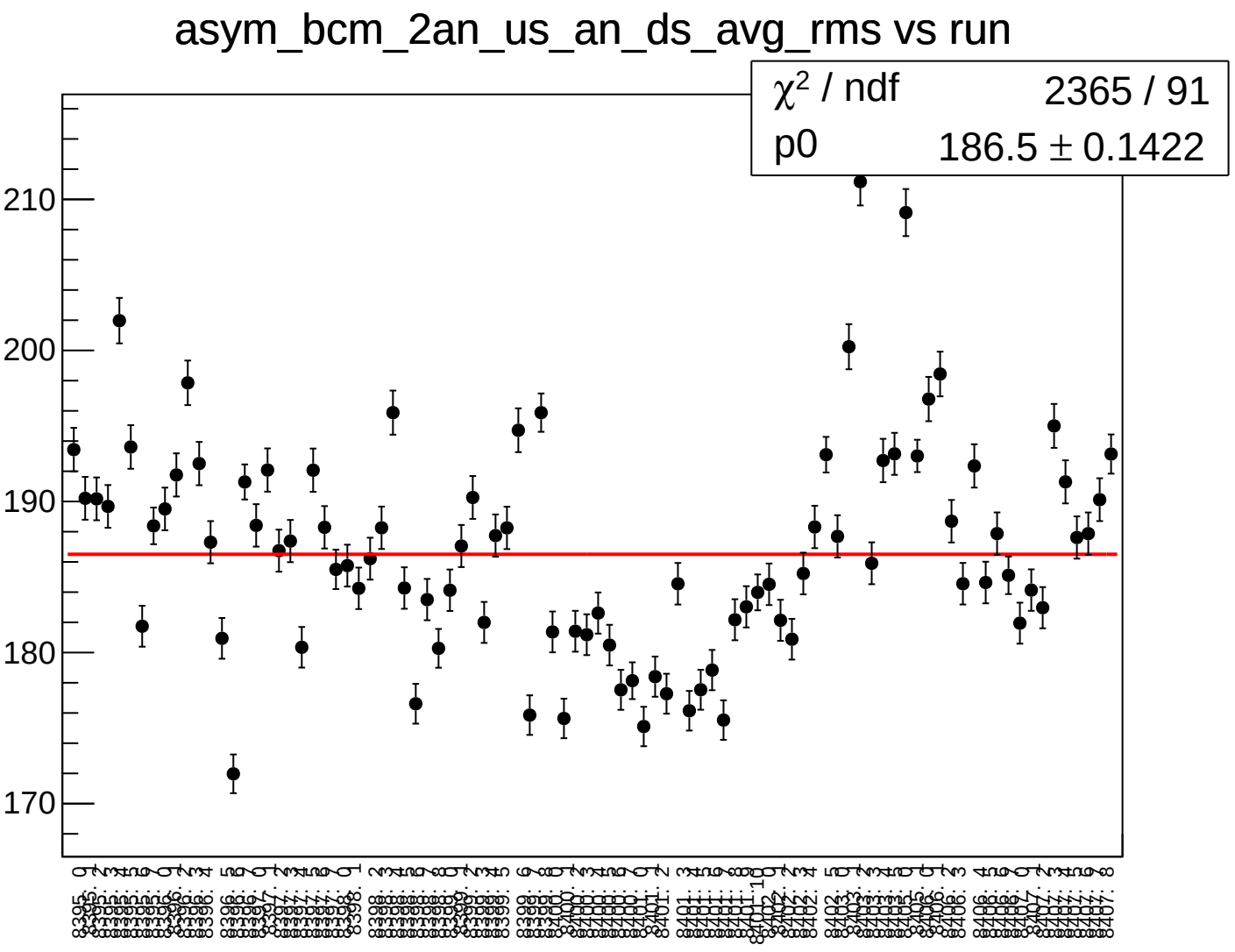

asym_bpm1i06WS_mean vs run
χ² / ndf 1034 / 91
p0 7587 ± 245.3
25000
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −4349
Std Dev 0
6
4
2
0
−2
−4
−6

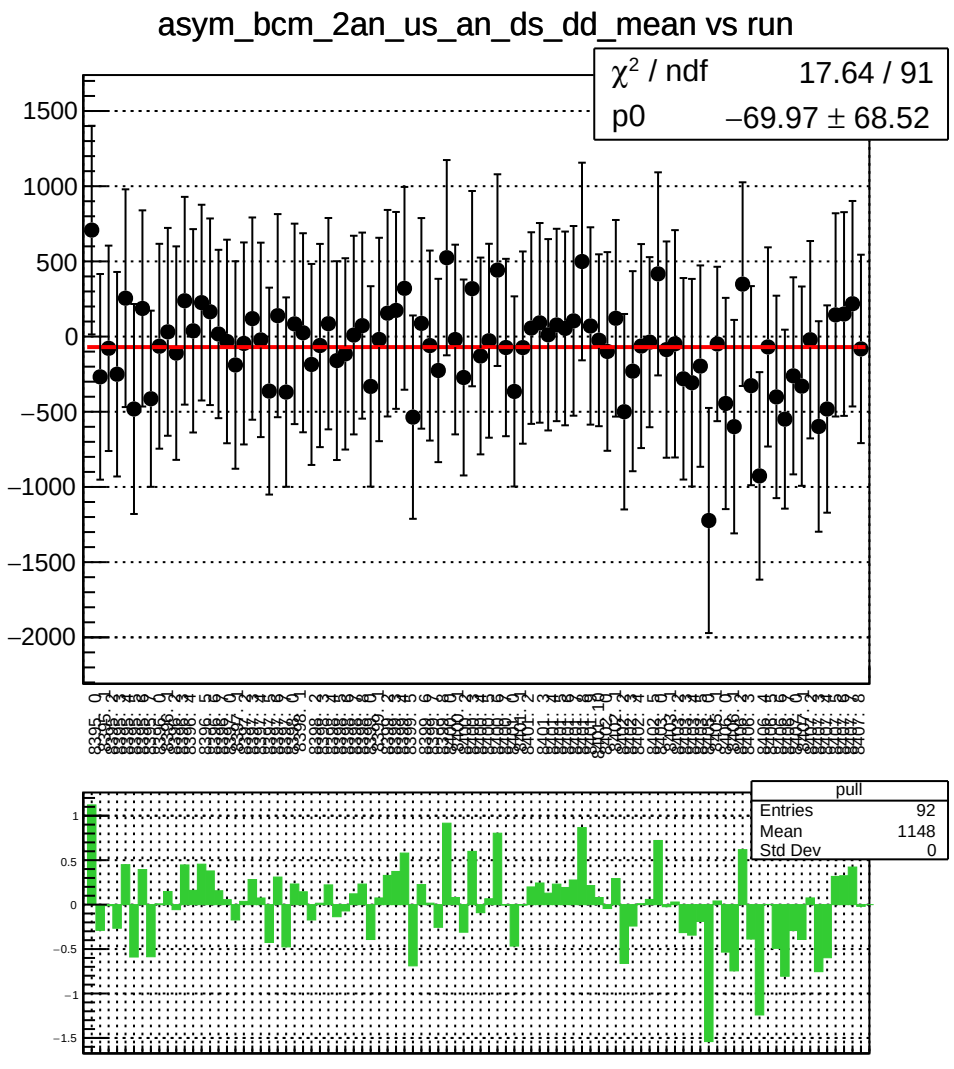

pull1D
Entries 92
Mean 0.0112
Std Dev 3.352
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

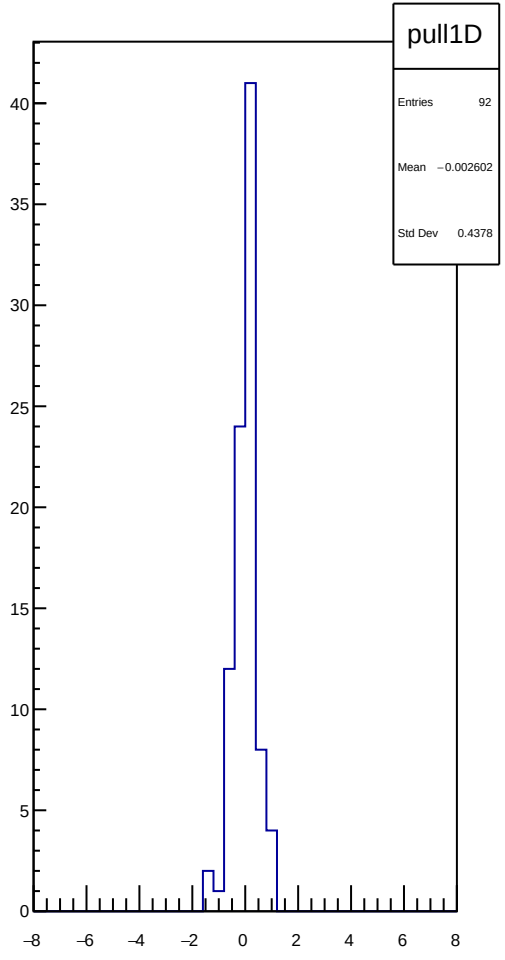

asym_bpm1i06WS_rms vs run
$\chi^2$ / ndf 7478 / 91
p0 227.2 ± 0.1735
280
260
240
220
200
180

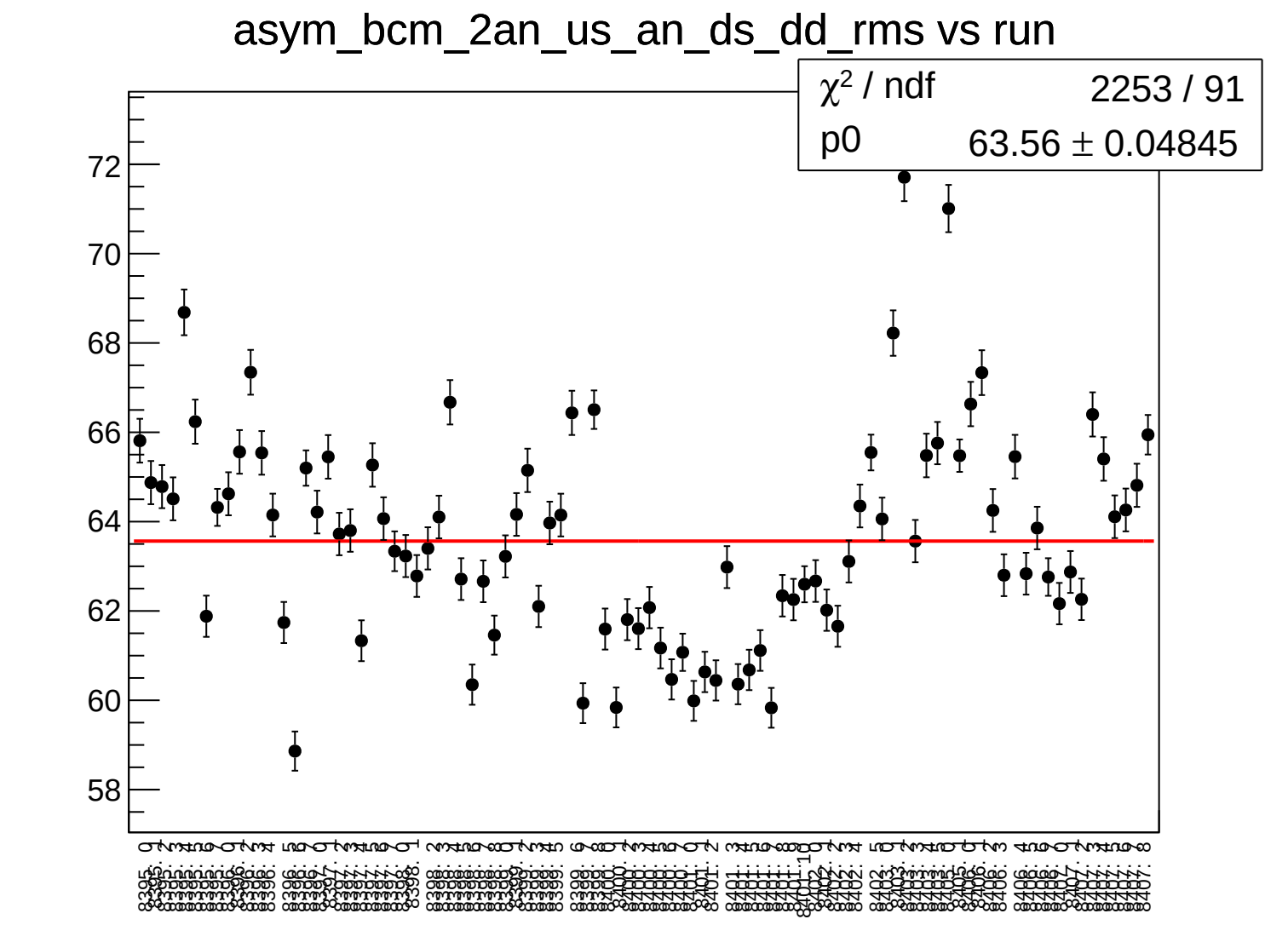

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 19.1 / 91
p0 −254.1 ± 201
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 538.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

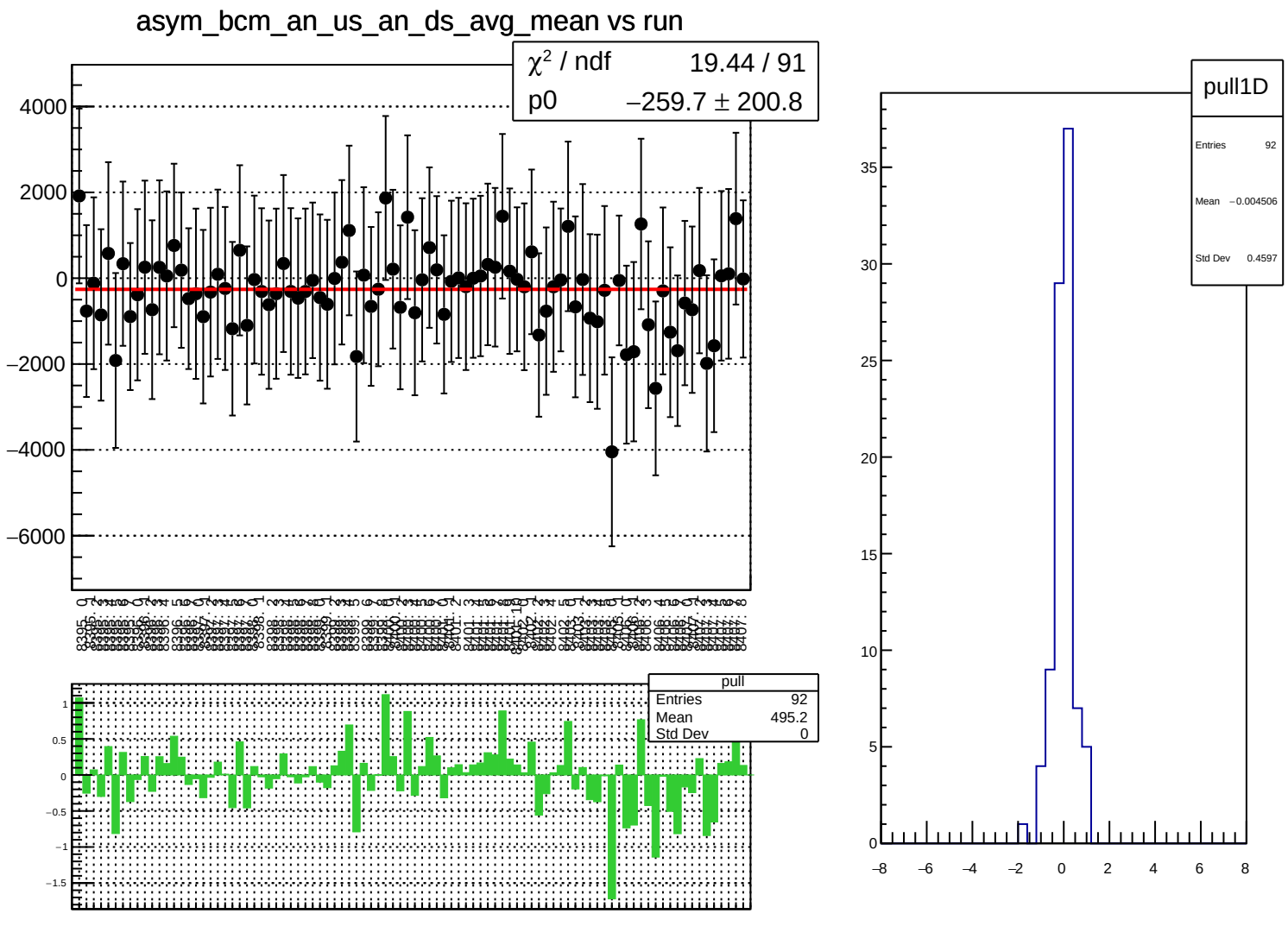

pull1D
Entries 92
Mean −0.004308
Std Dev 0.4556
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

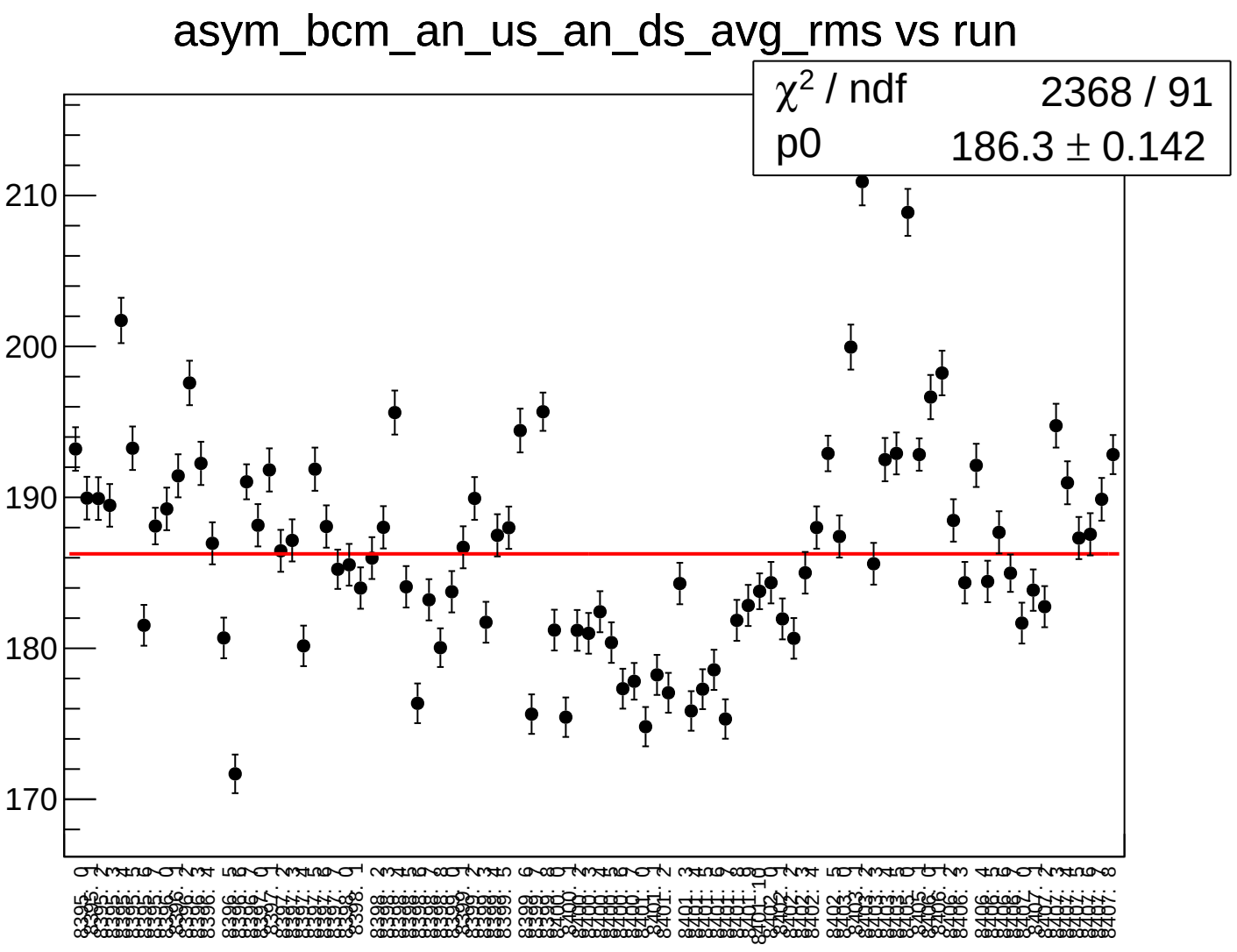

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 2365 / 91
p0 186.5 ± 0.1422
210
200
190
180
170

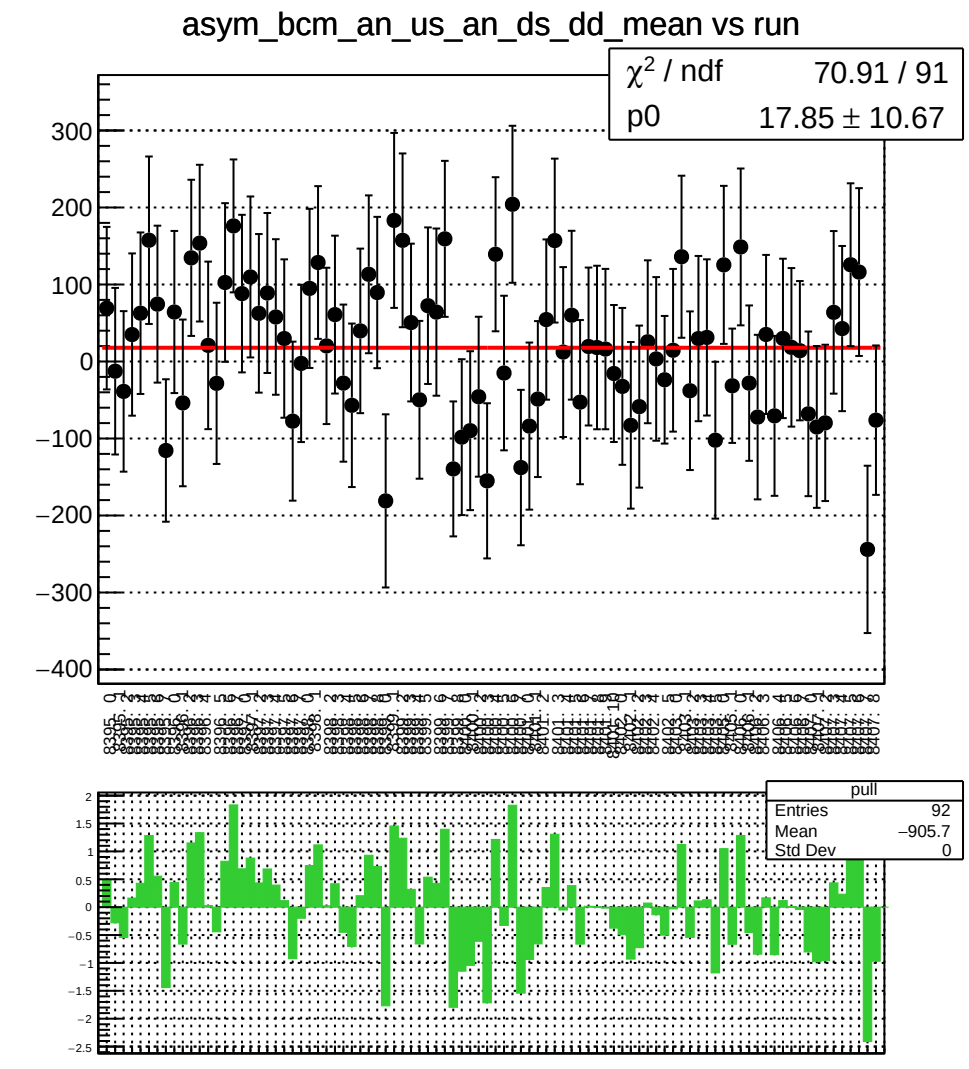

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 17.64 / 91
p0 −69.97 ± 68.52
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 92
Mean 1148
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

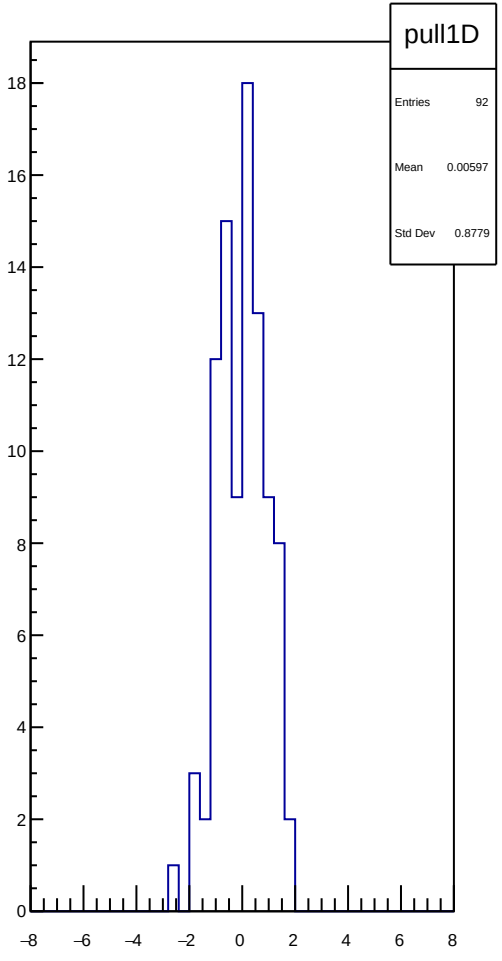

pull1D
Entries 92
Mean −0.002602
Std Dev 0.4378
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

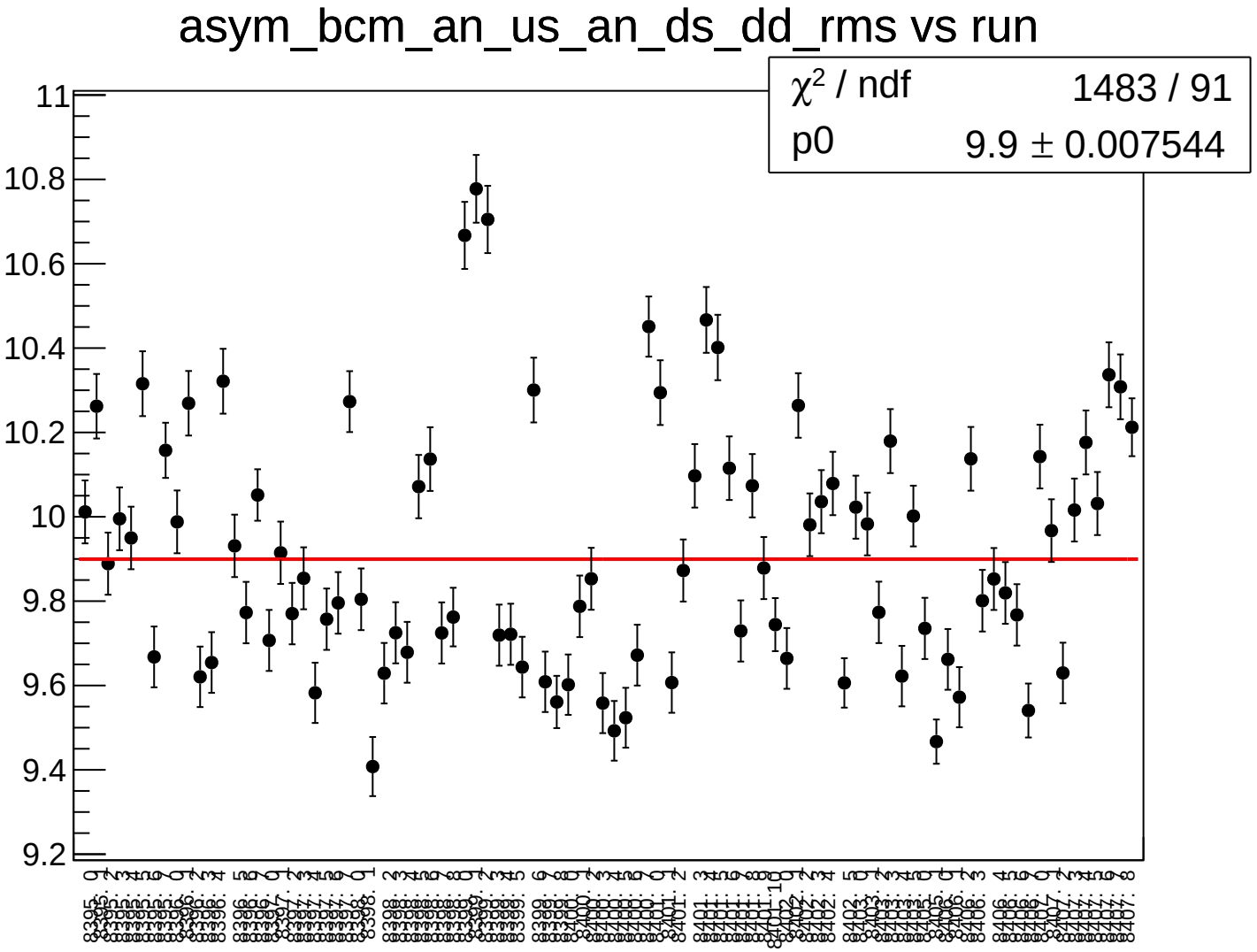

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 2253 / 91
p0 63.56 ± 0.04845
72
70
68
66
64
62
60
58

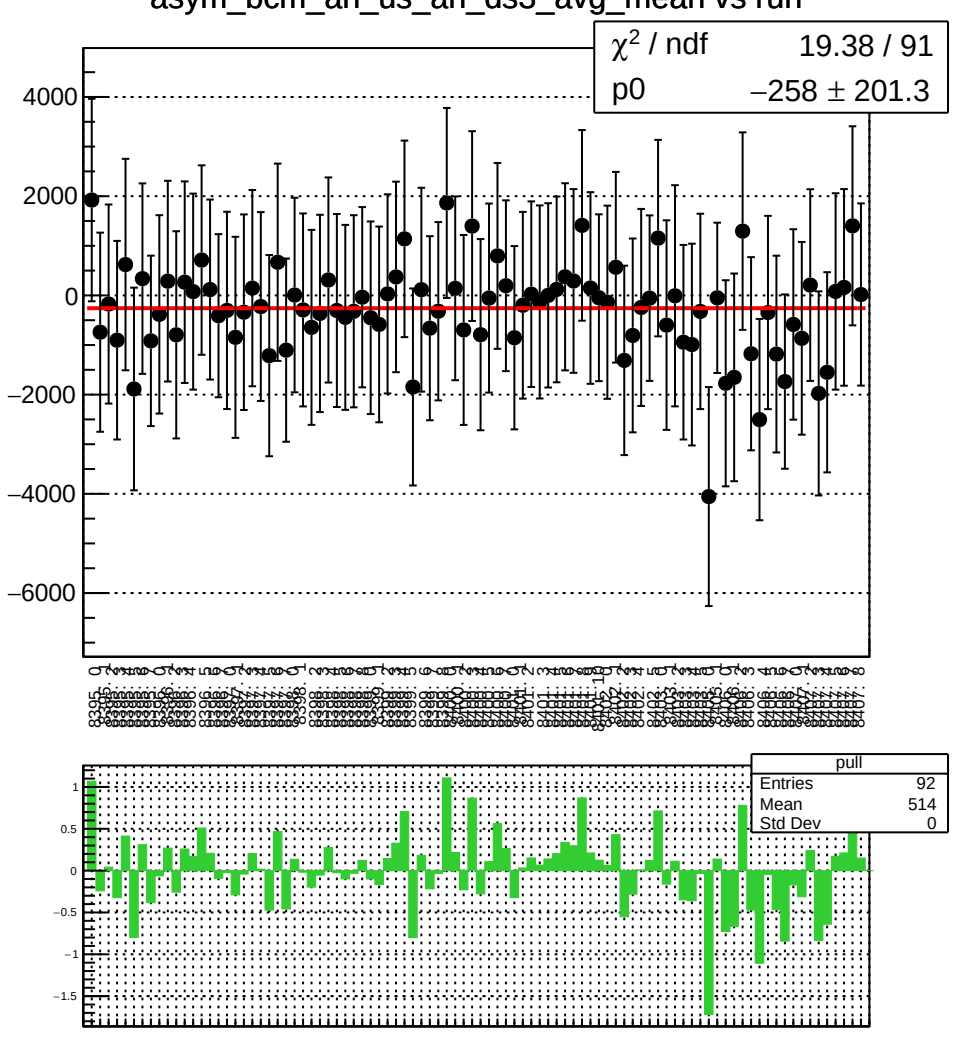

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 19.44 / 91
p0 −259.7 ± 200.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 495.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.004506
Std Dev 0.4597
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

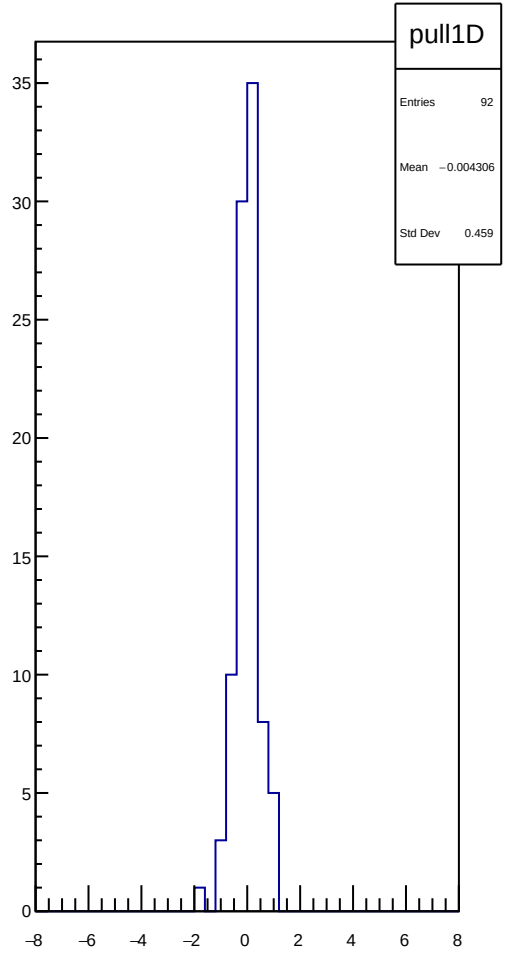

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 2368 / 91
p0 186.3 ± 0.142
210
200
190
180
170

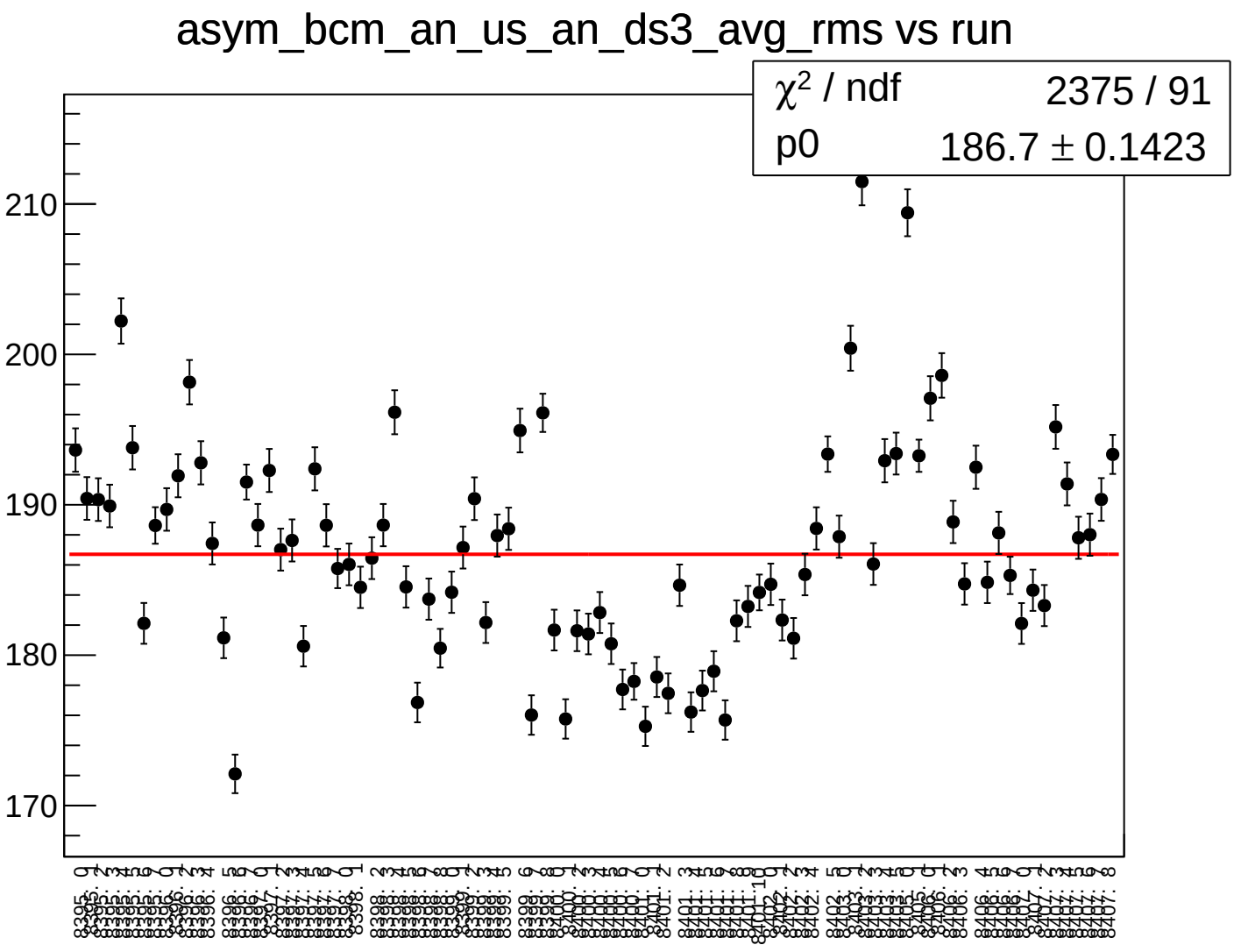

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 70.91 / 91
p0 17.85 ± 10.67
pull
Entries 92
Mean −905.7
Std Dev 0

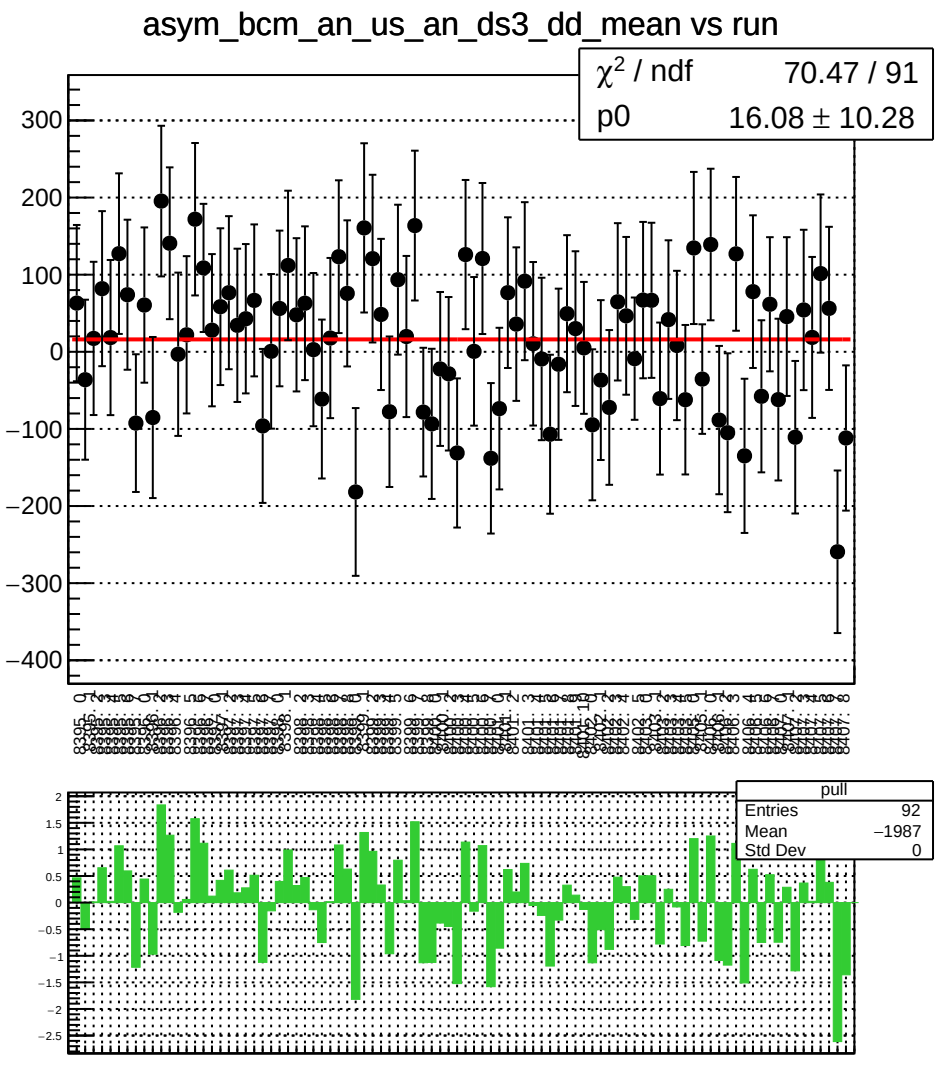

pull1D
Entries 92
Mean 0.00597
Std Dev 0.8779

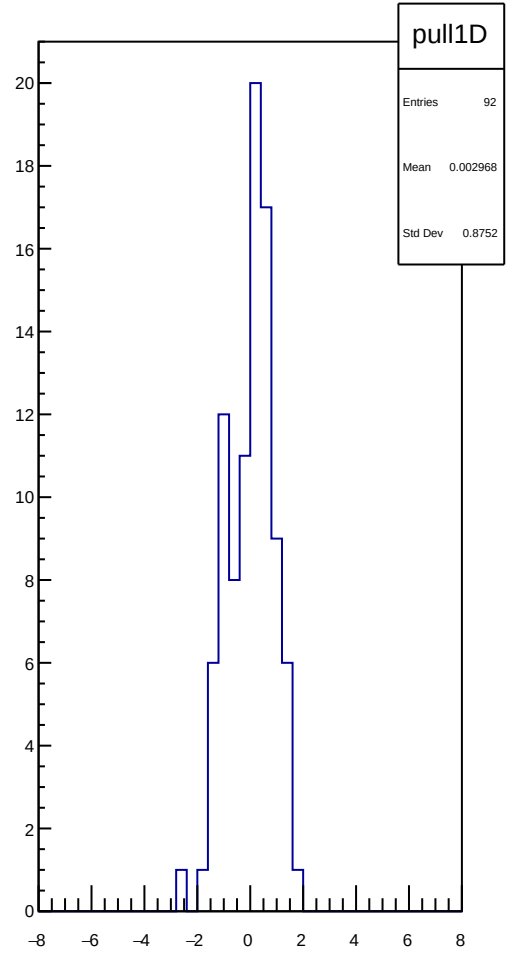

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1483 / 91
p0 9.9 ± 0.007544
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2

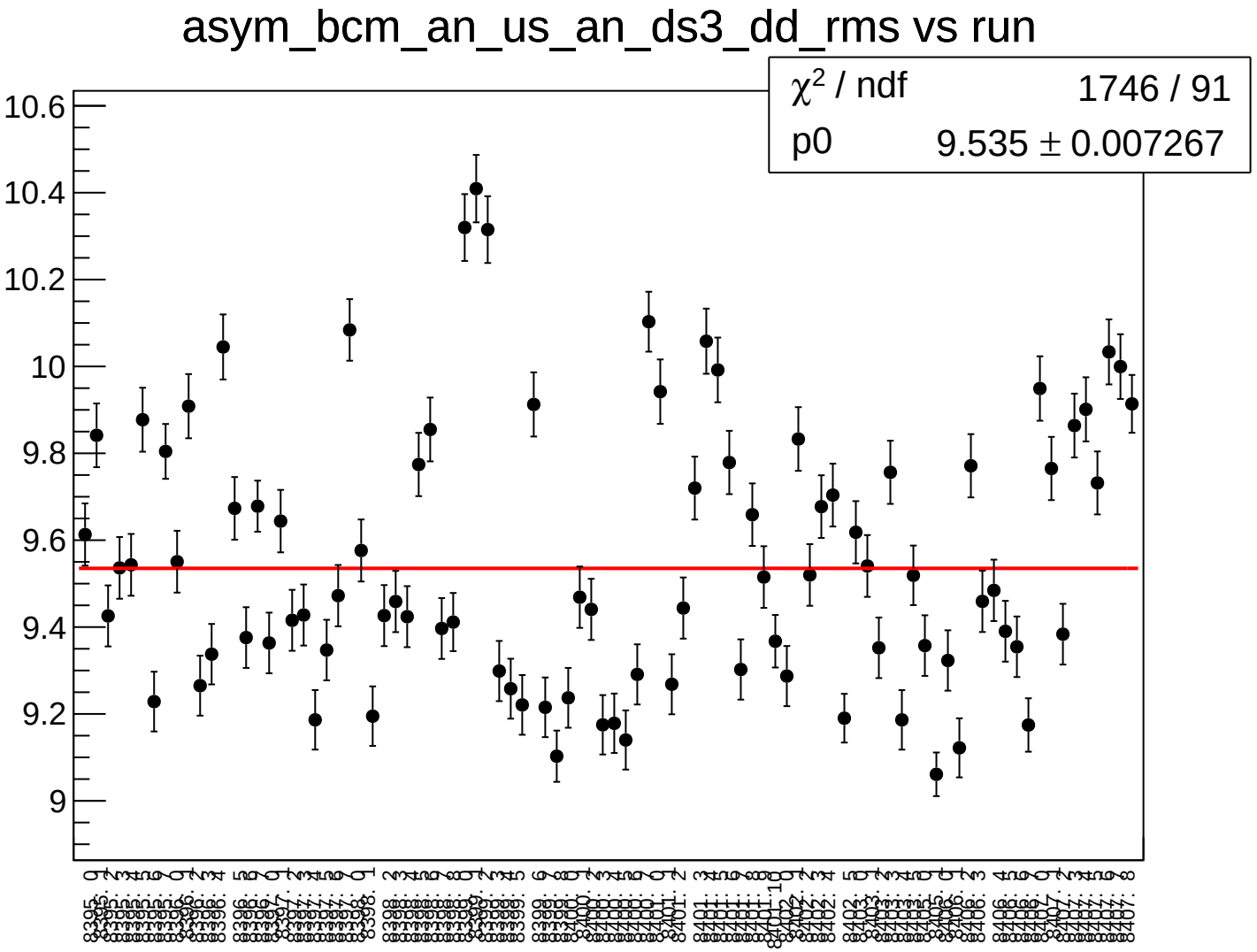

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 19.38 / 91
p0 −258 ± 201.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 514
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

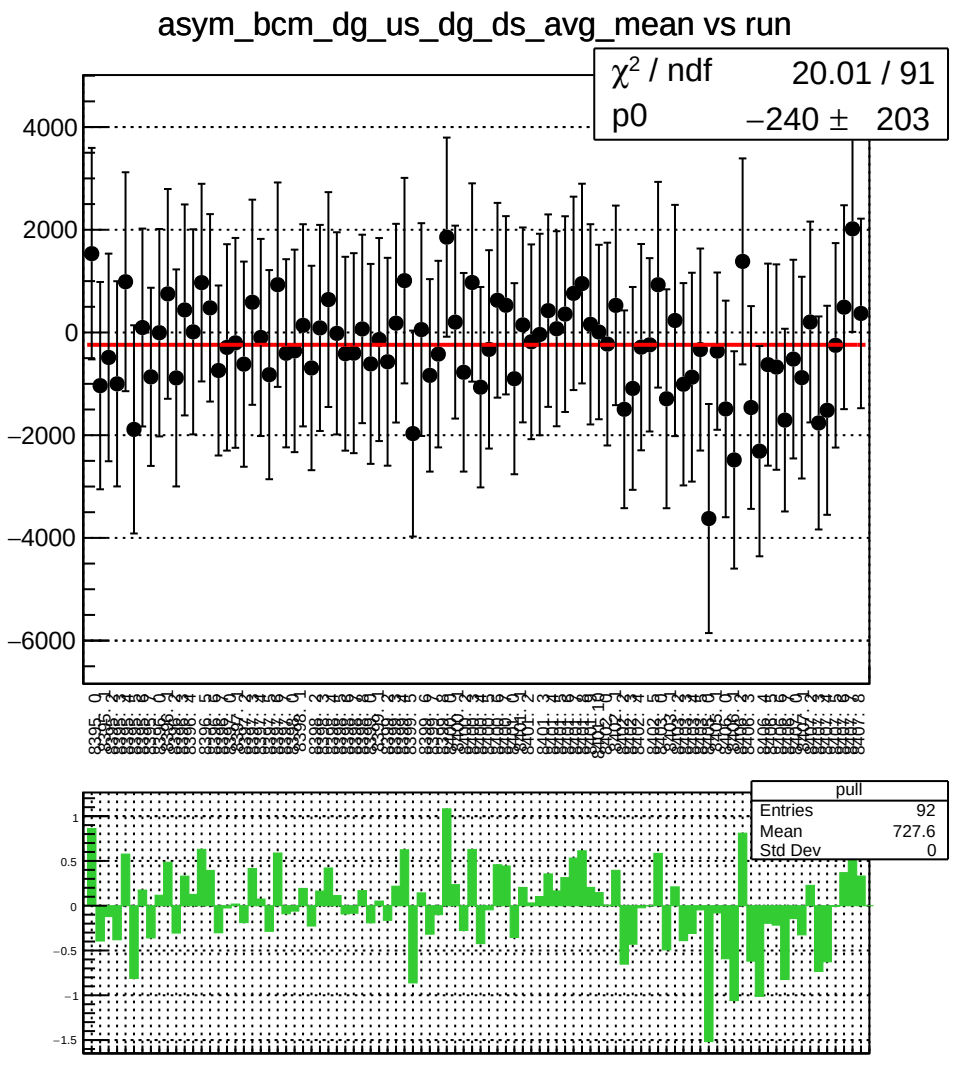

pull1D
Entries 92
Mean −0.004306
Std Dev 0.459
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

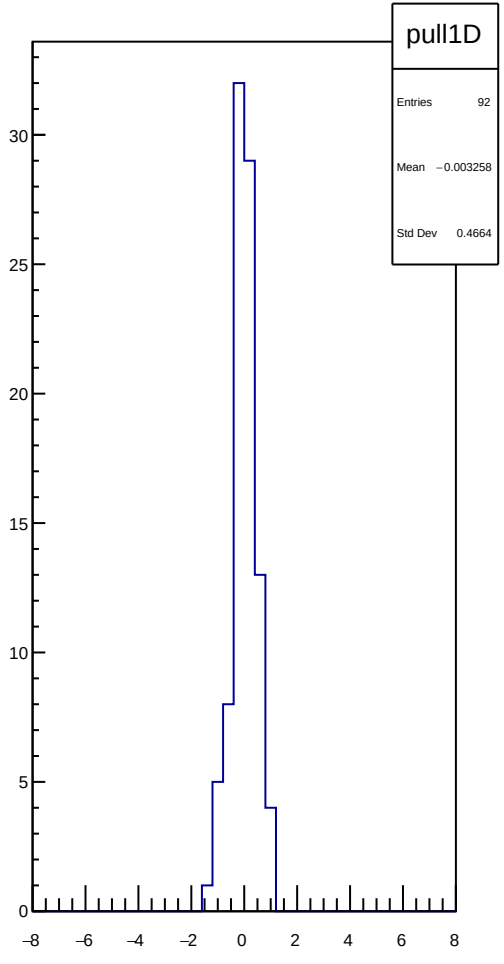

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 2375 / 91
p0 186.7 ± 0.1423
210
200
190
180
170

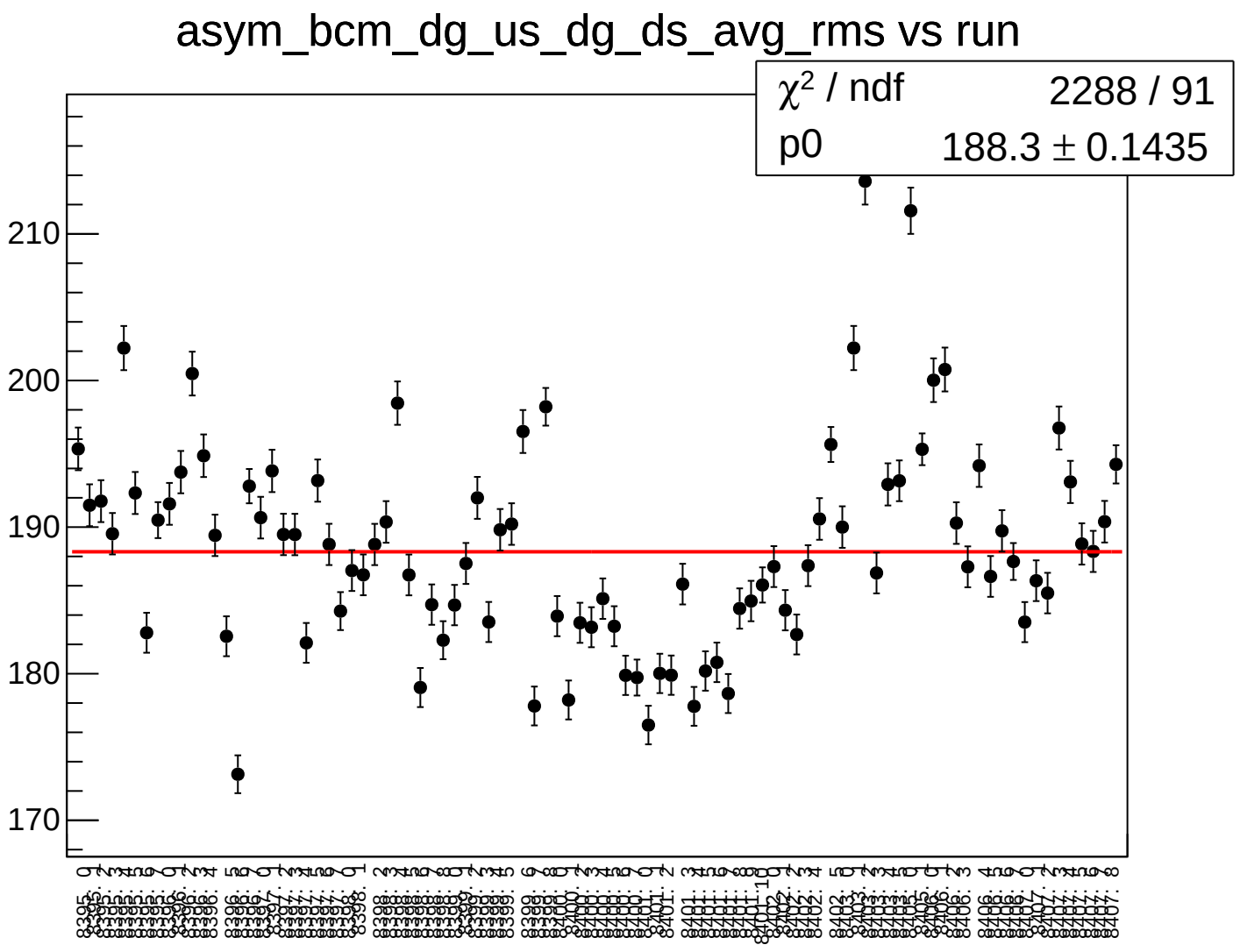

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 70.47 / 91
p0 16.08 ± 10.28
pull
Entries 92
Mean −1987
Std Dev 0

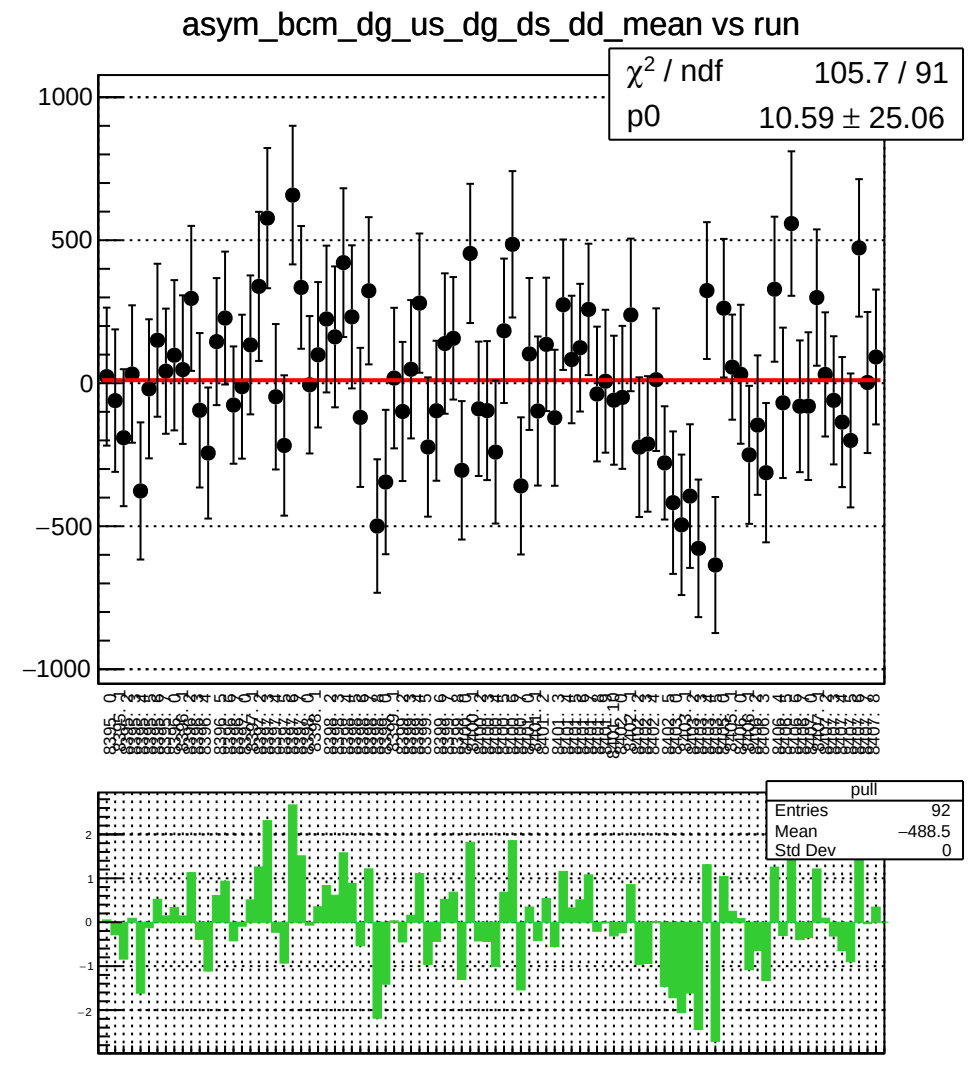

pull1D
Entries 92
Mean 0.002968
Std Dev 0.8752

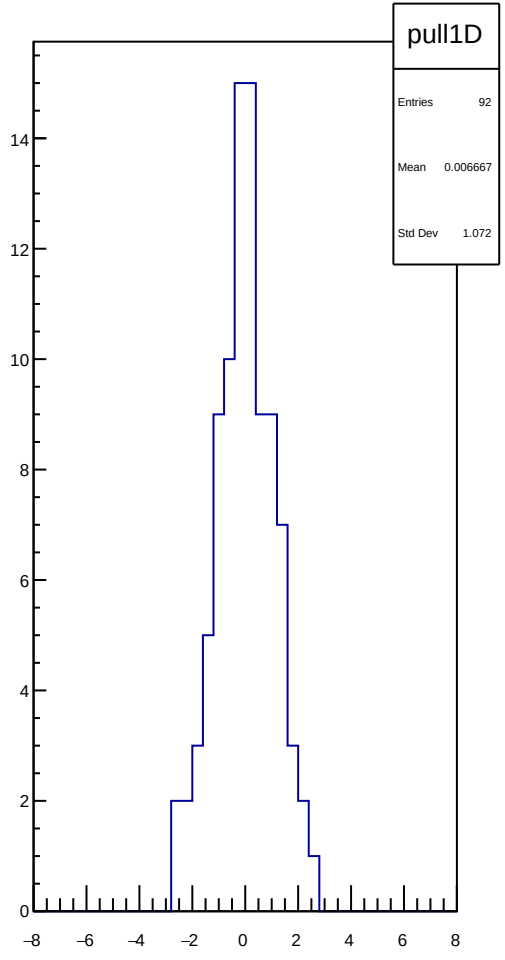

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1746 / 91
p0 9.535 ± 0.007267
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
9

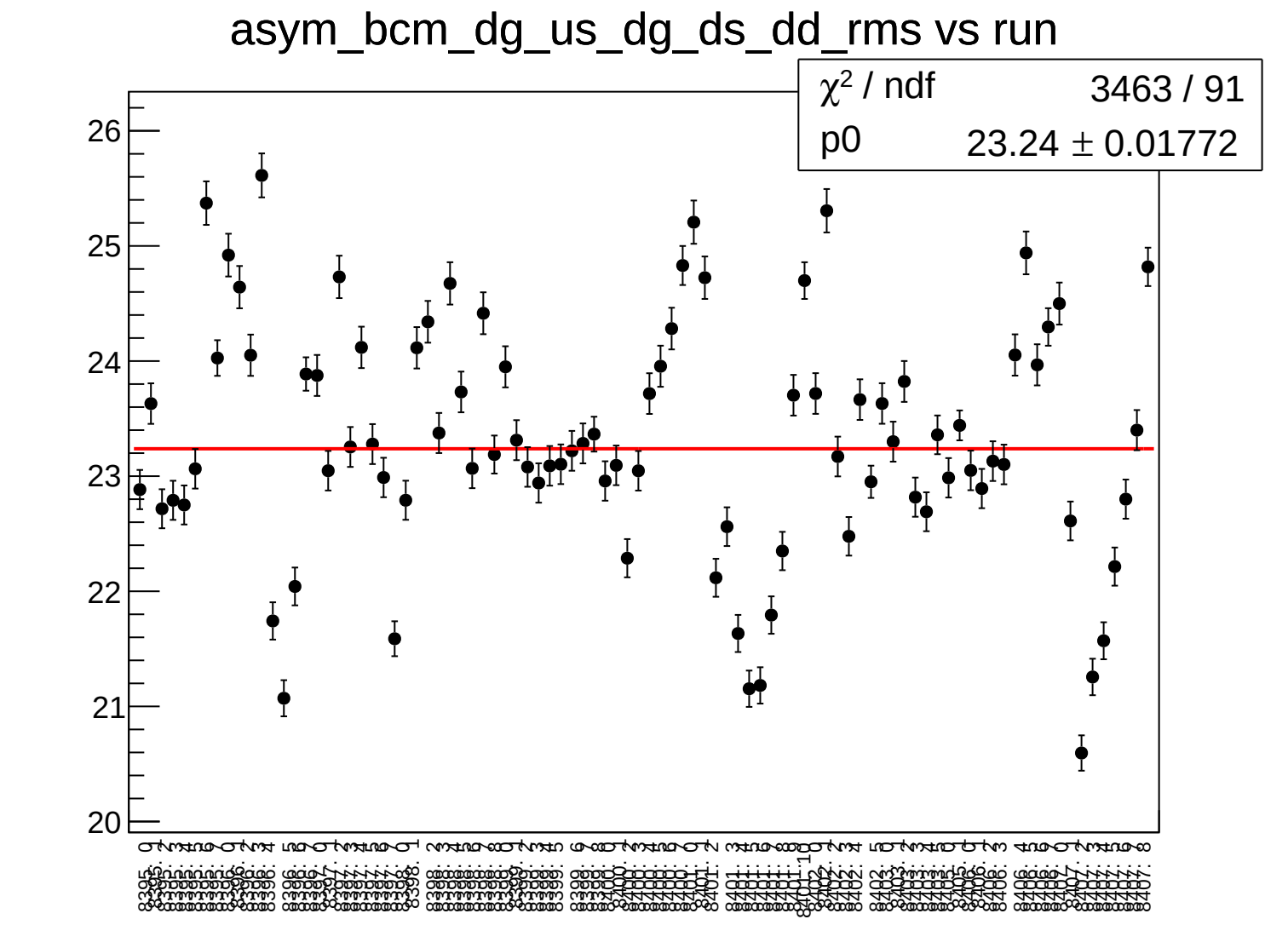

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 20.01 / 91
p0 −240 ± 203
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 727.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

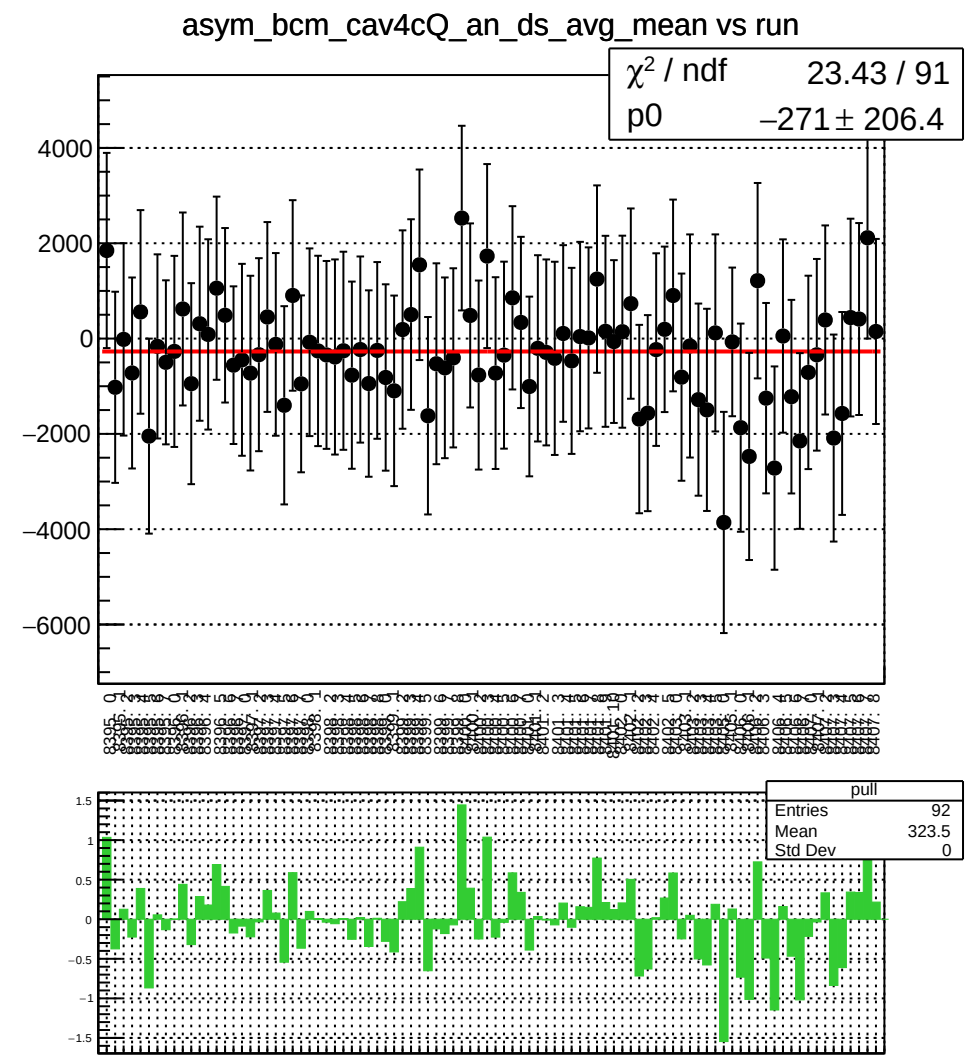

pull1D
Entries 92
Mean −0.003258
Std Dev 0.4664
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

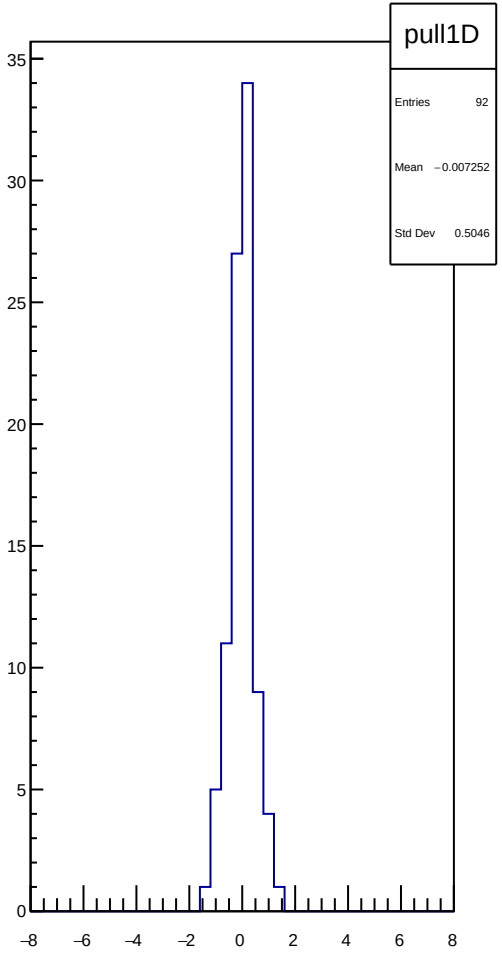

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 2288 / 91
p0 188.3 ± 0.1435
210
200
190
180
170

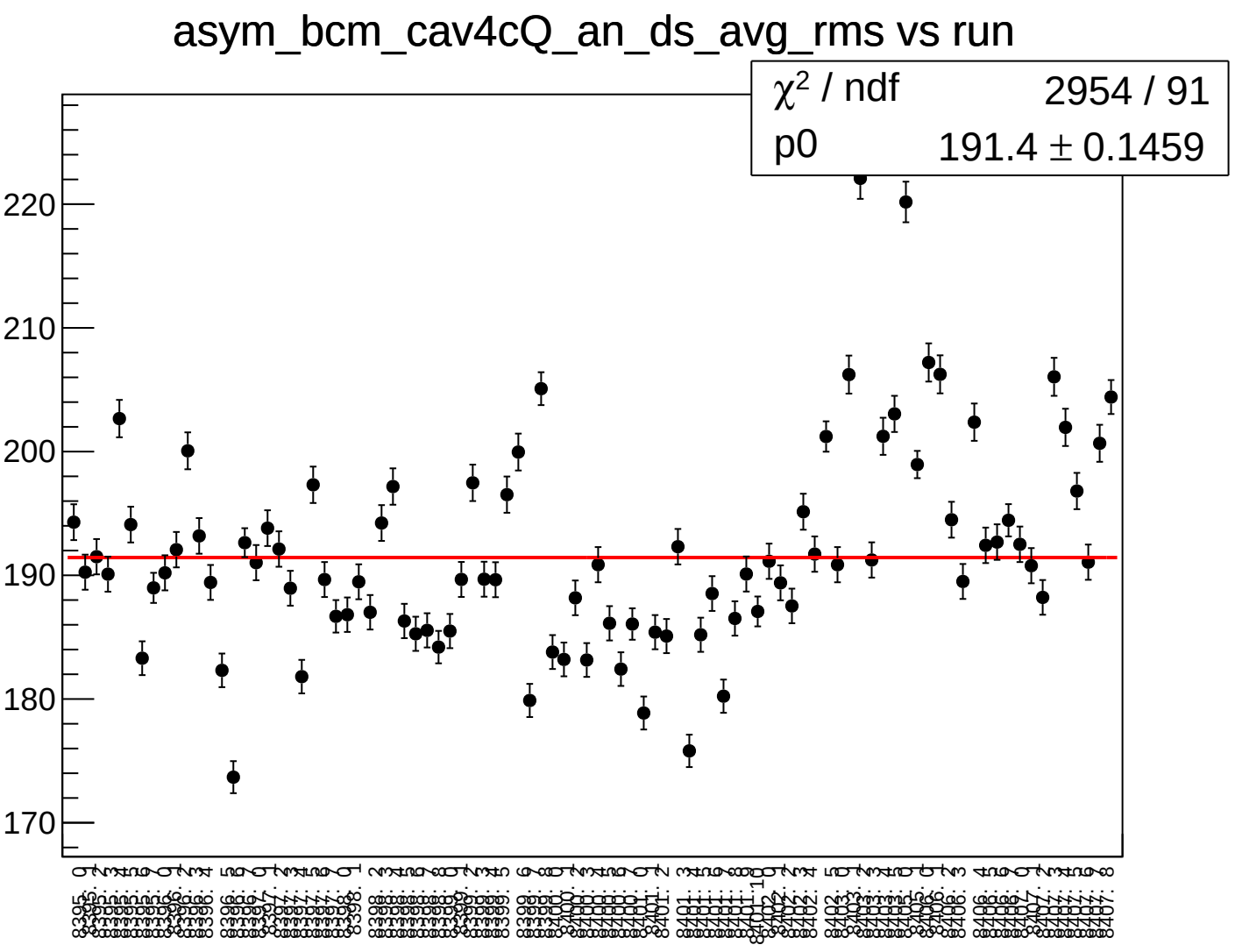

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 105.7 / 91
p0 10.59 ± 25.06
1000
500
0
−500
−1000
pull
Entries 92
Mean −488.5
Std Dev 0
2
1
0
−1
−2

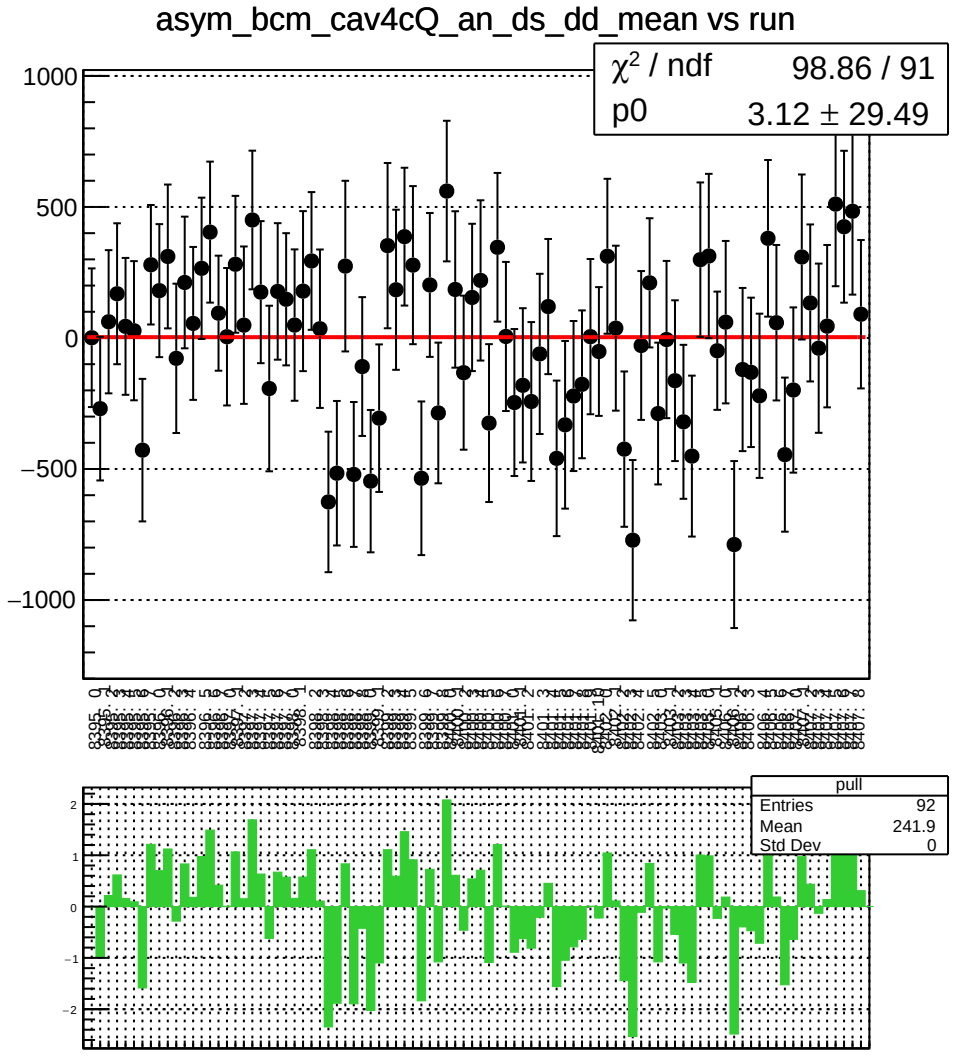

pull1D
Entries 92
Mean 0.006667
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

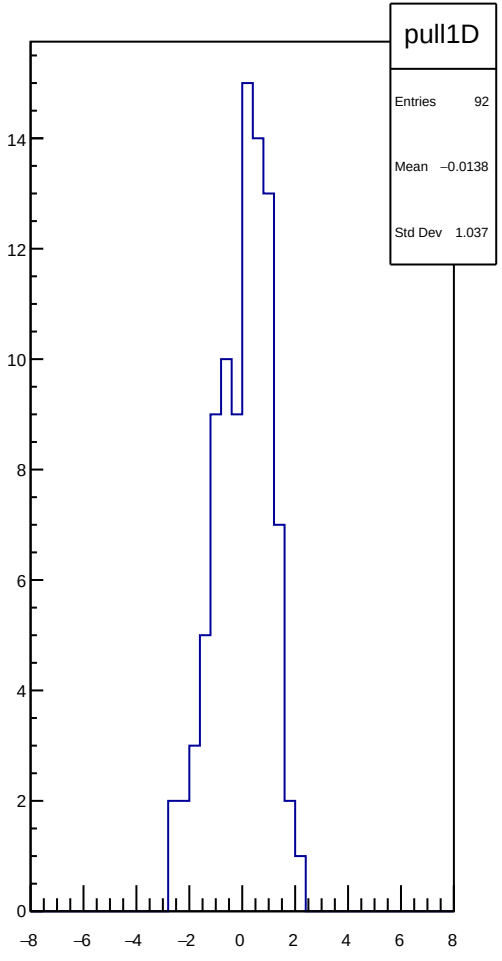

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 3463 / 91
p0 23.24 ± 0.01772
26
25
24
23
22
21
20

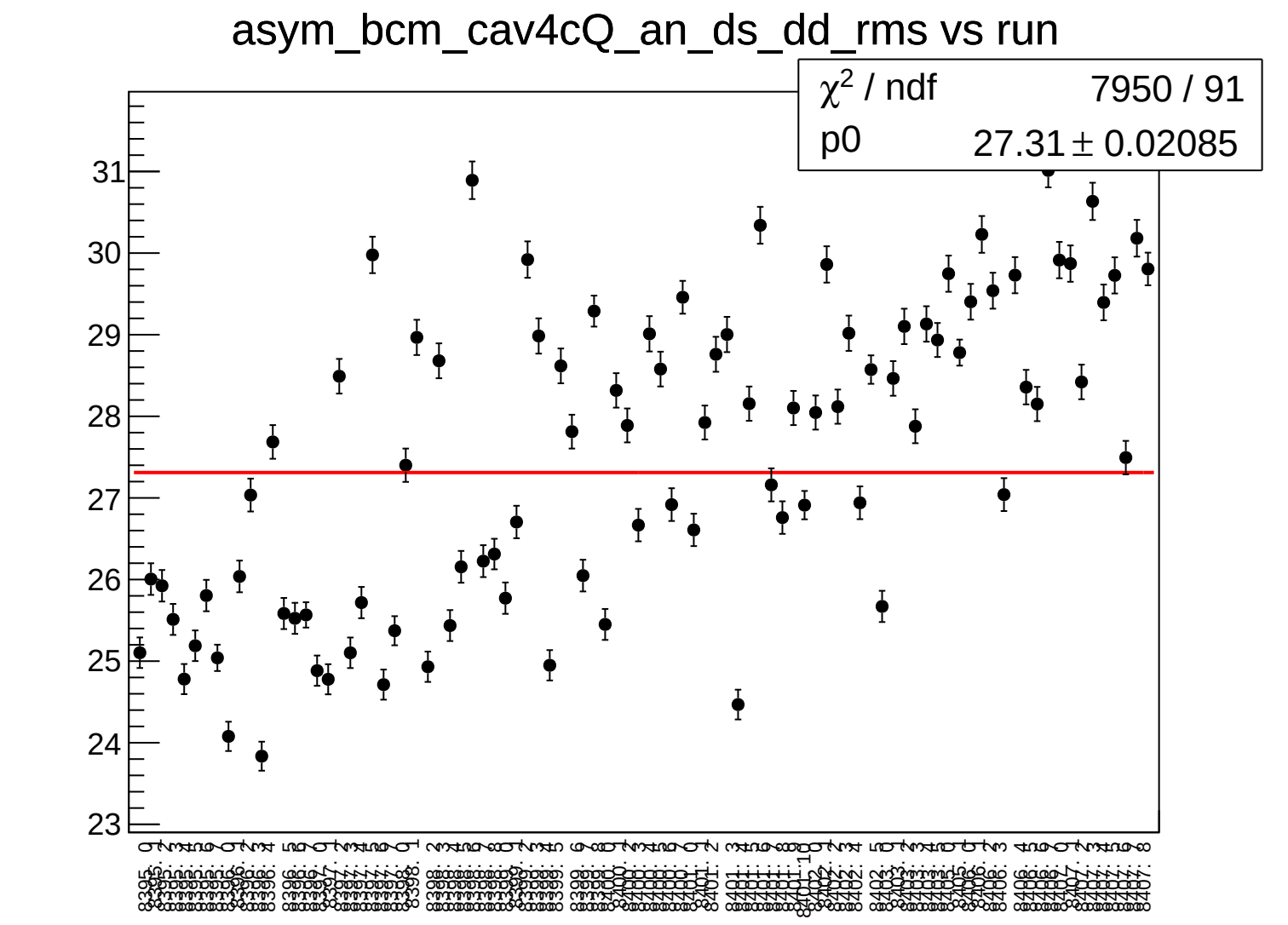

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 23.43 / 91
p0 −271 ± 206.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 323.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

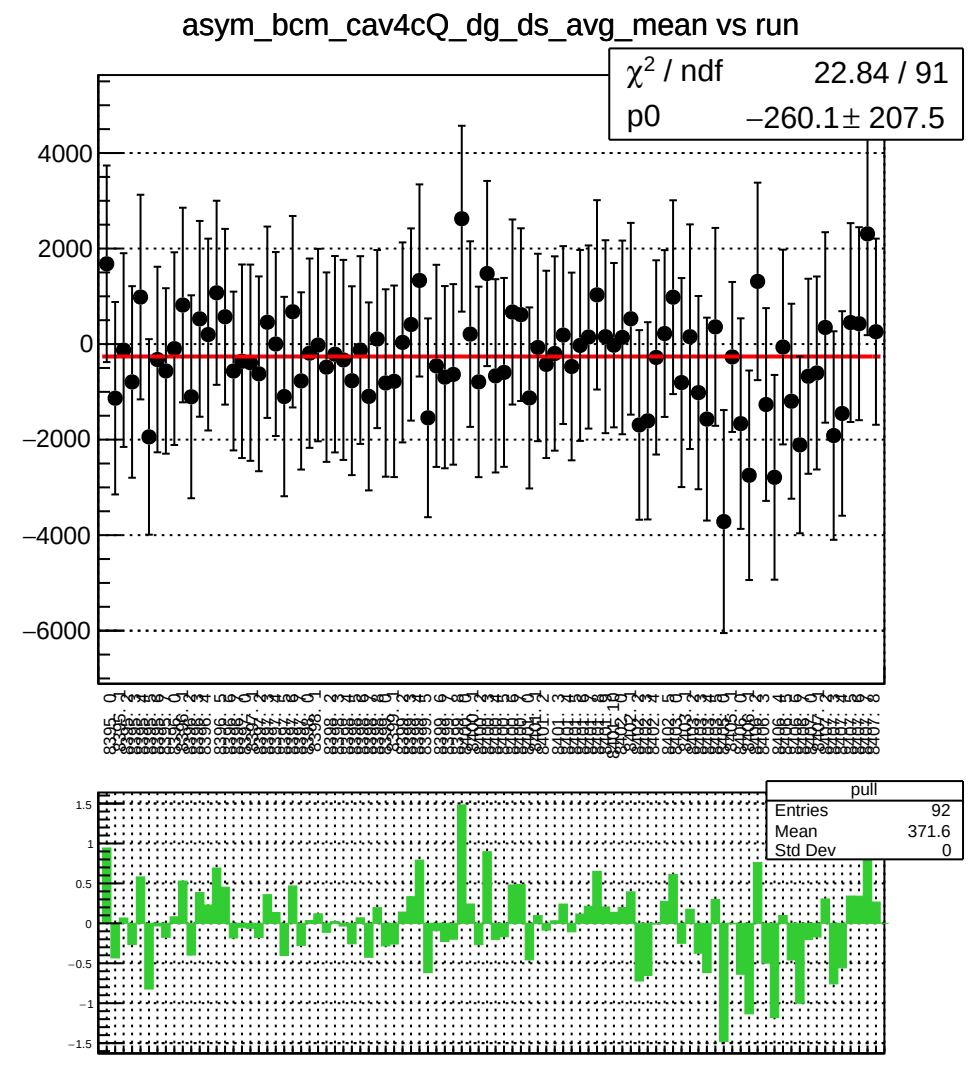

pull1D
Entries 92
Mean −0.007252
Std Dev 0.5046
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

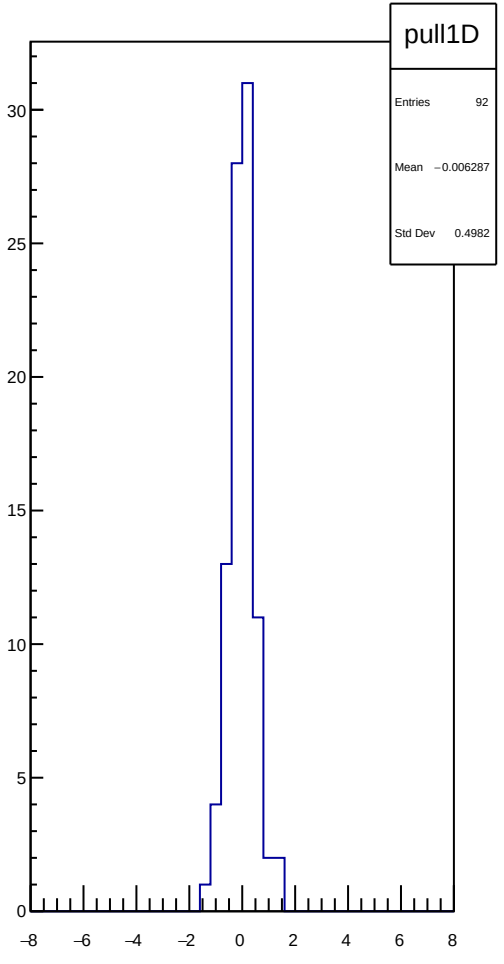

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 2954 / 91
p0 191.4 ± 0.1459
220
210
200
190
180
170

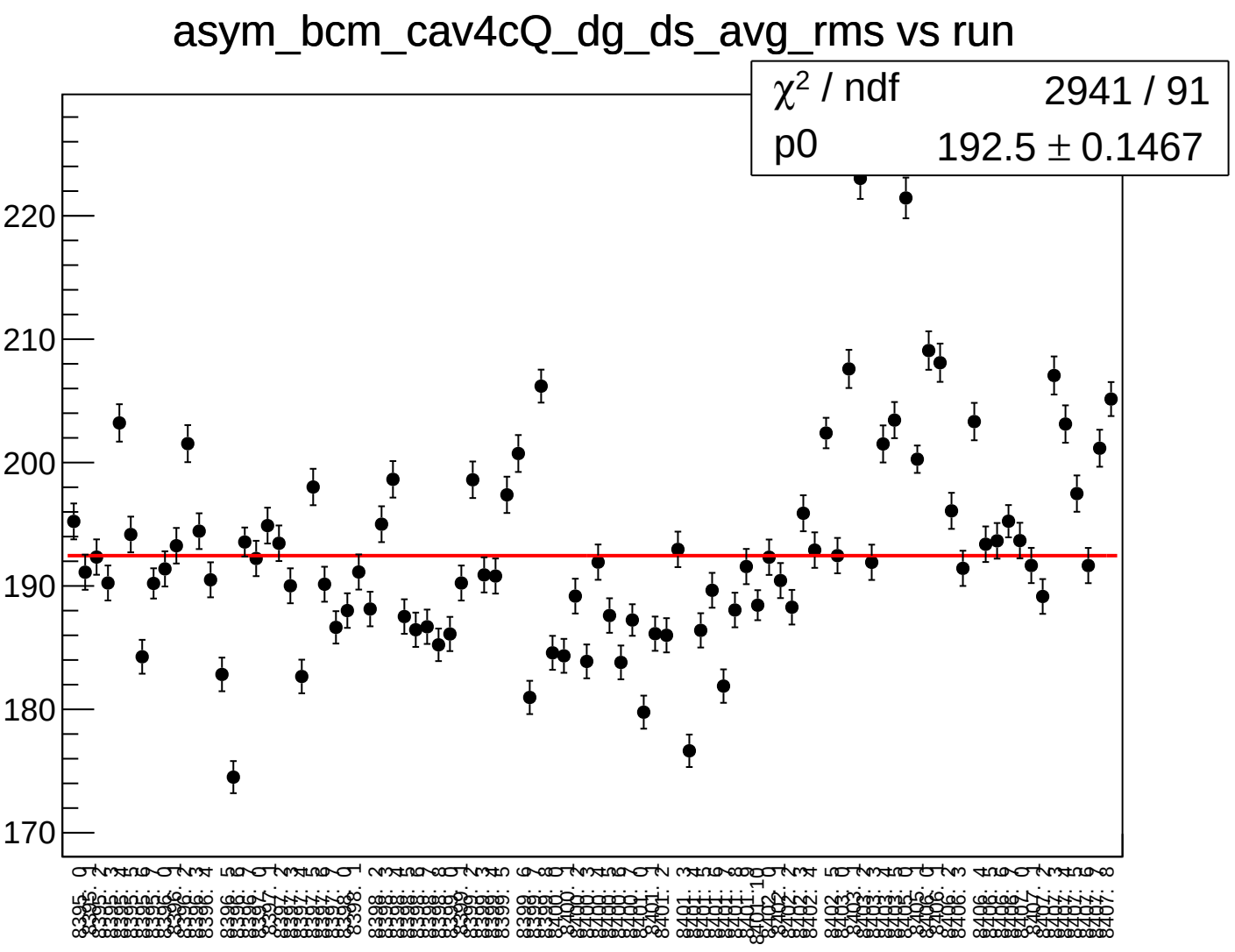

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 98.86 / 91
p0 3.12 ± 29.49
1000
500
0
−500
−1000
pull
Entries 92
Mean 241.9
Std Dev 0
2
1
0
−1
−2

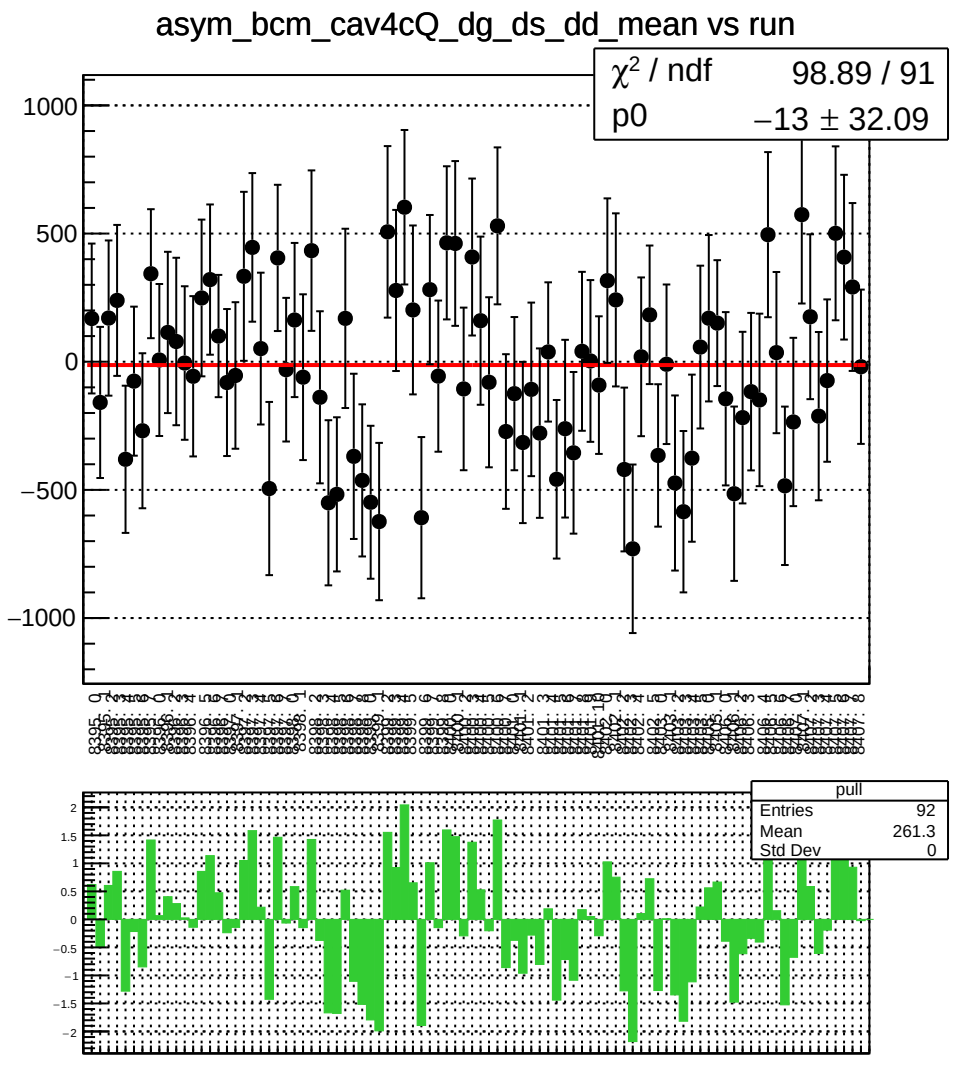

pull1D
Entries 92
Mean −0.0138
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

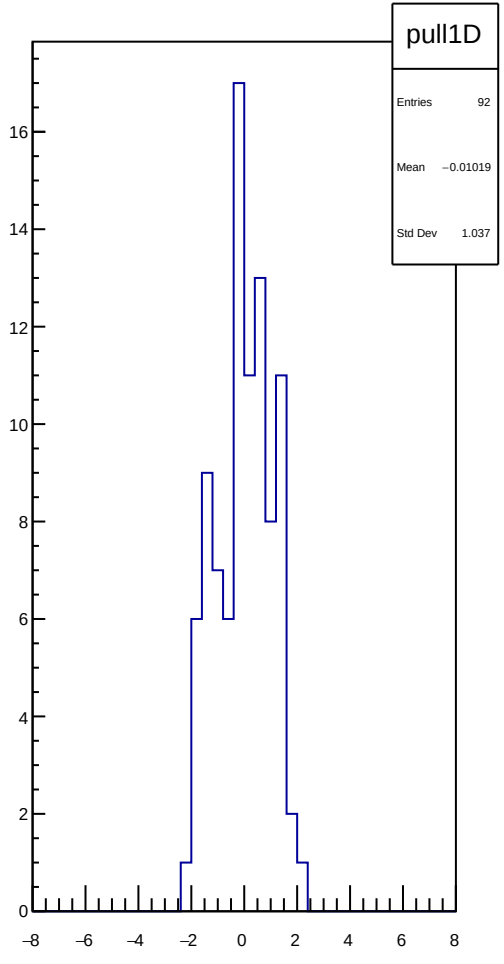

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 7950 / 91
p0 27.31 ± 0.02085
31
30
29
28
27
26
25
24
23

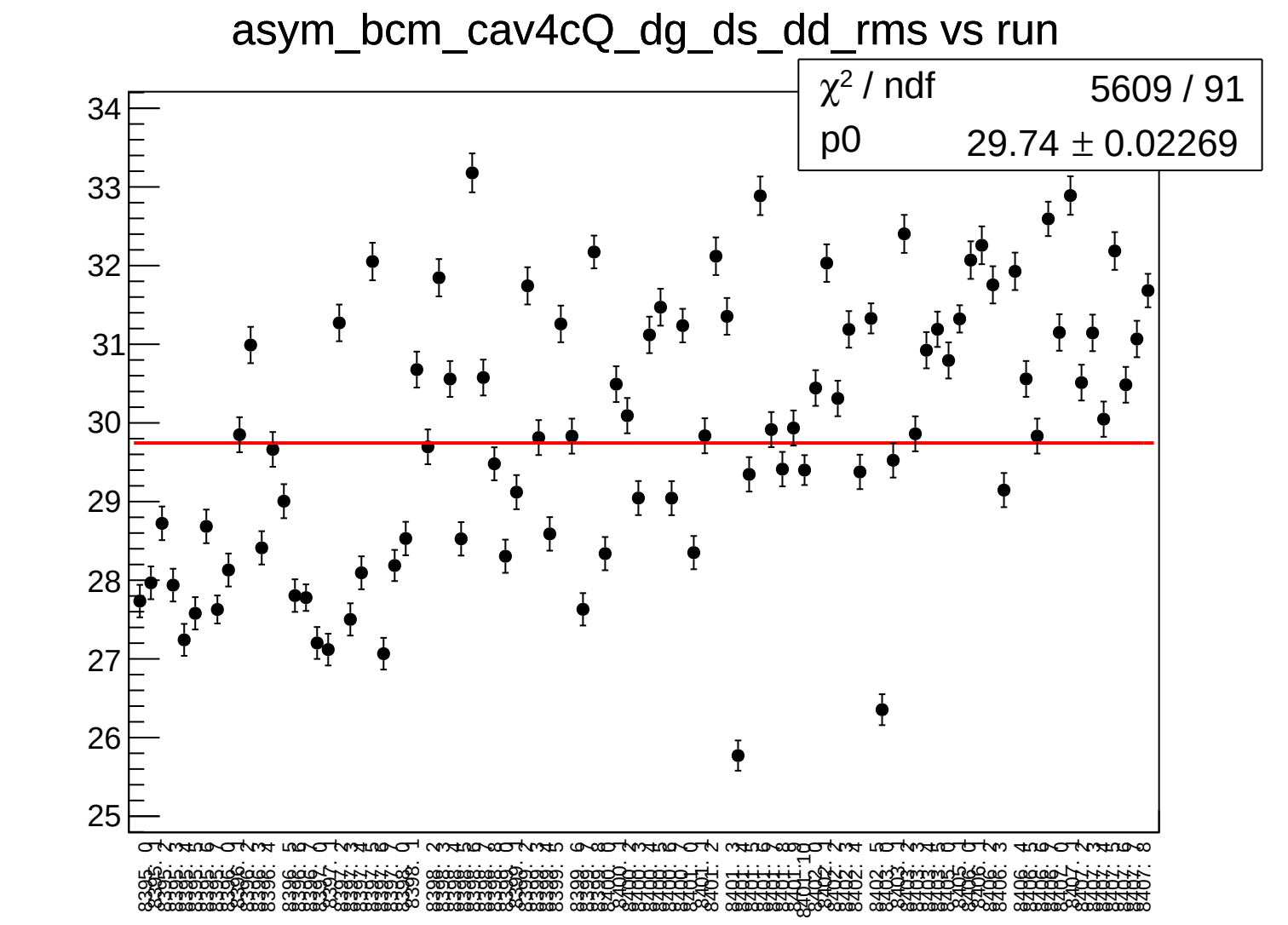

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 22.84 / 91
p0 −260.1± 207.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 371.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

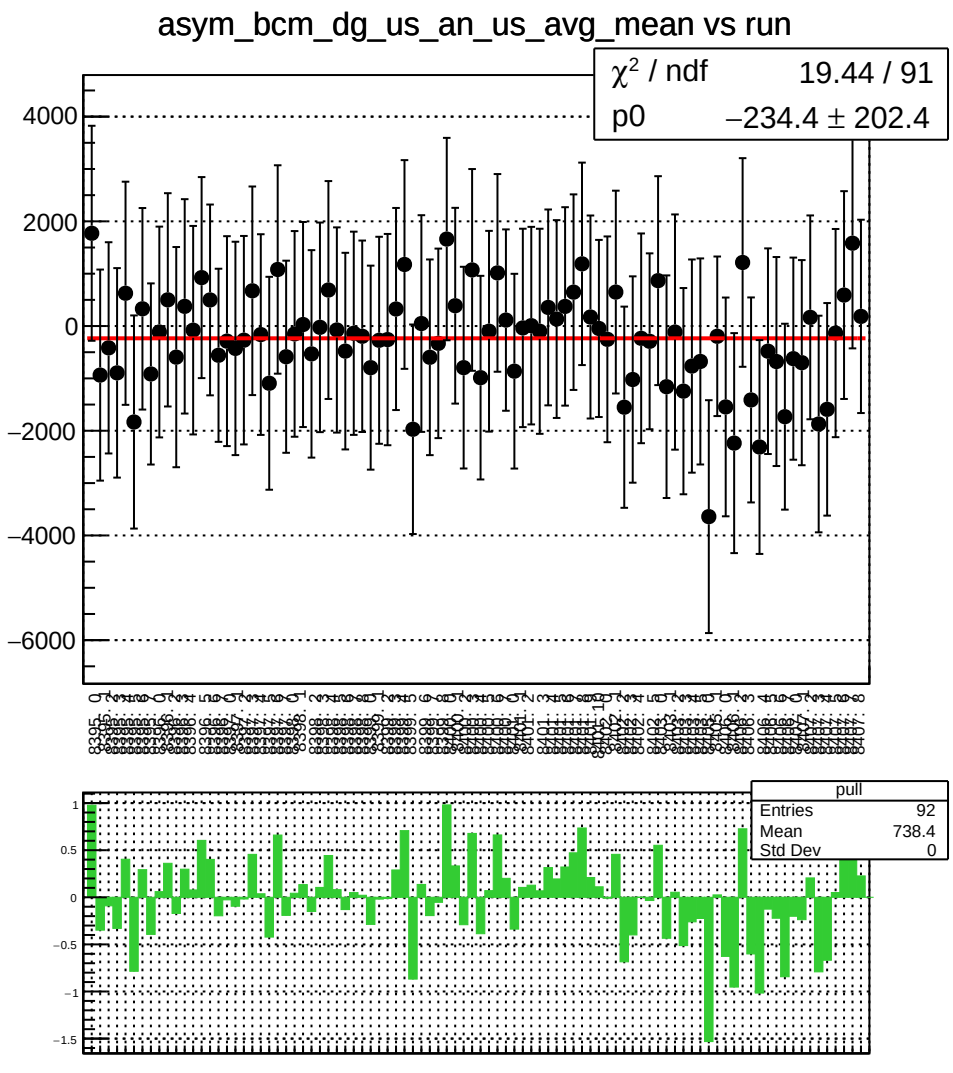

pull1D
Entries 92
Mean −0.006287
Std Dev 0.4982
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

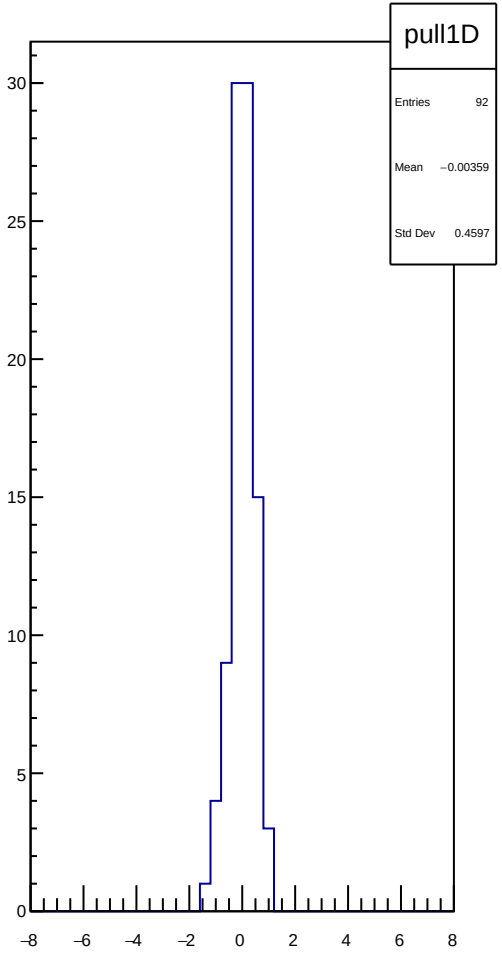

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 2941 / 91
p0 192.5 ± 0.1467
220
210
200
190
180
170

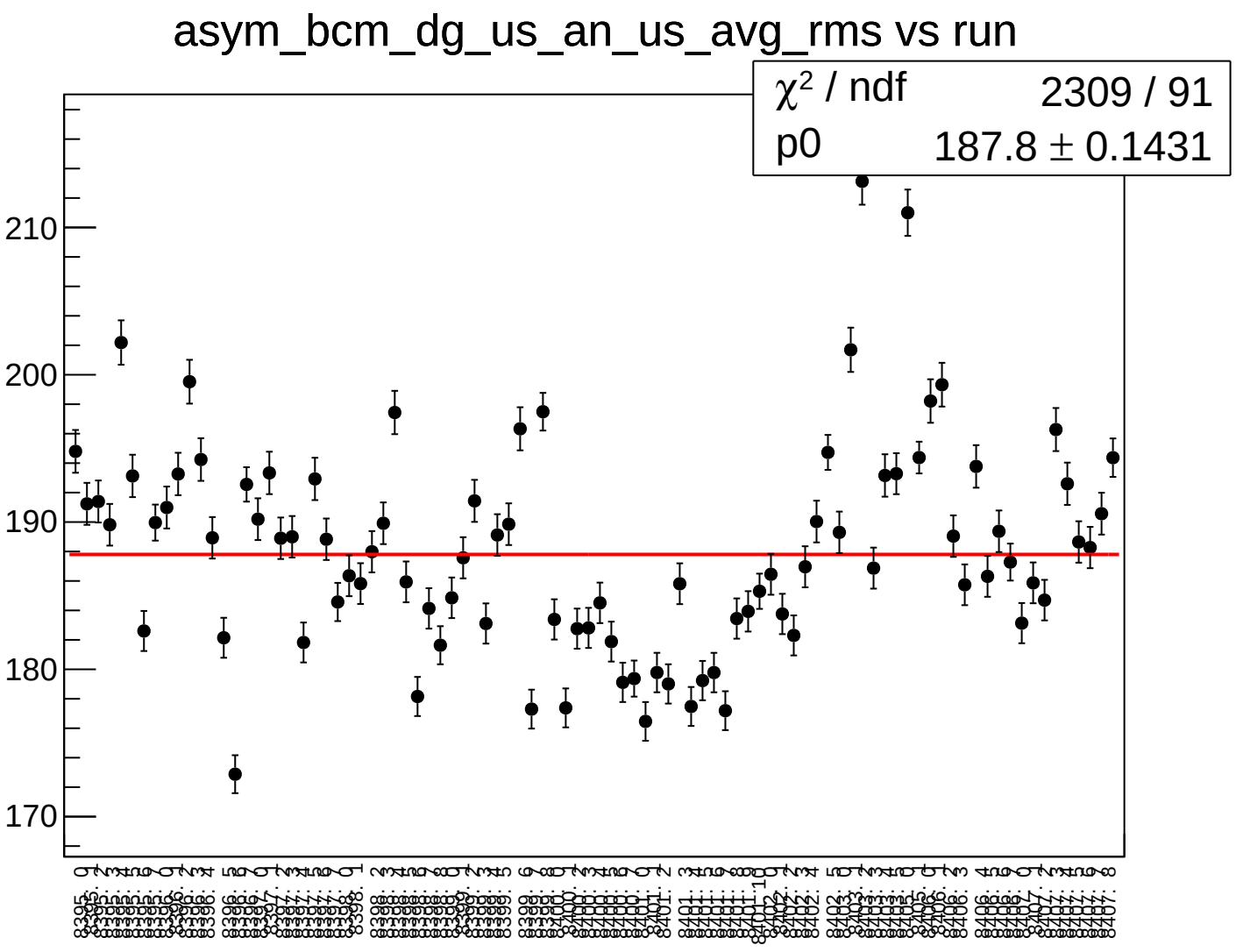

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 98.89 / 91
p0 −13 ± 32.09
1000
500
0
−500
−1000
pull
Entries 92
Mean 261.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

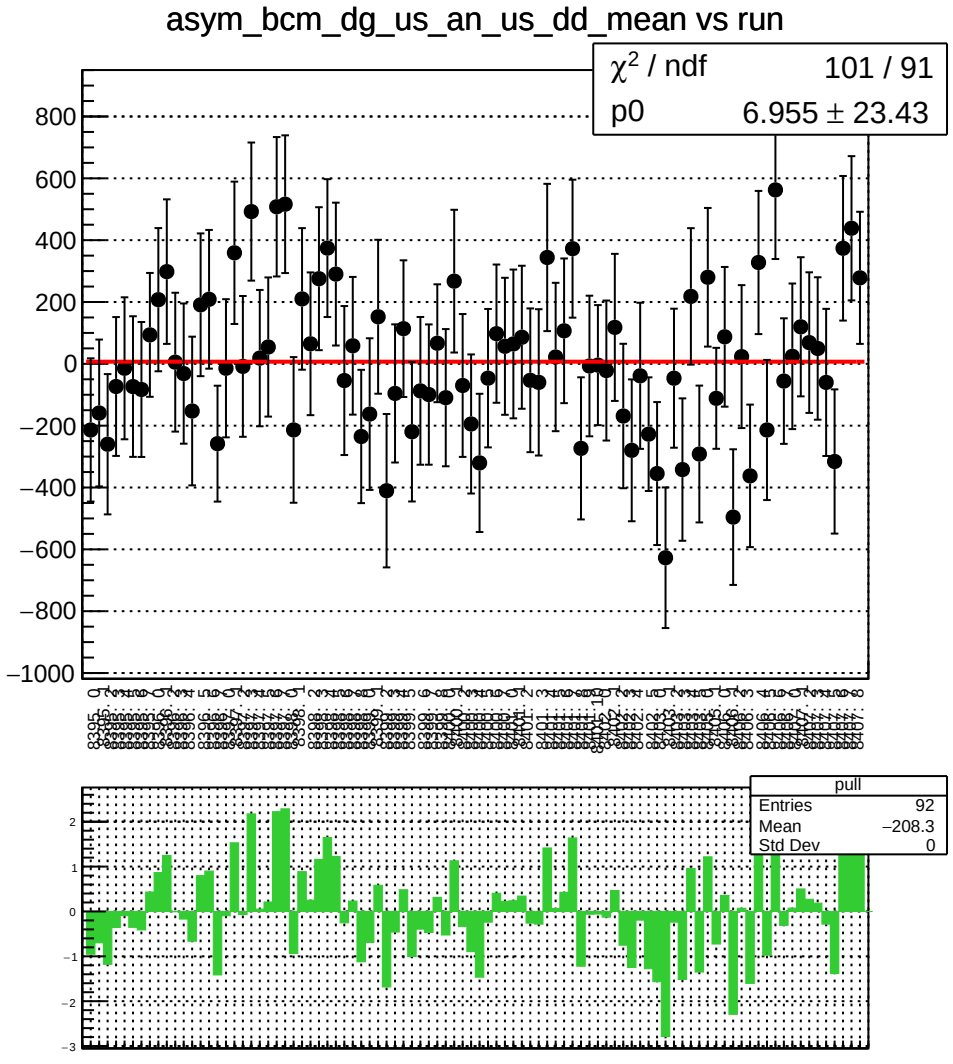

pull1D
Entries 92
Mean −0.01019
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

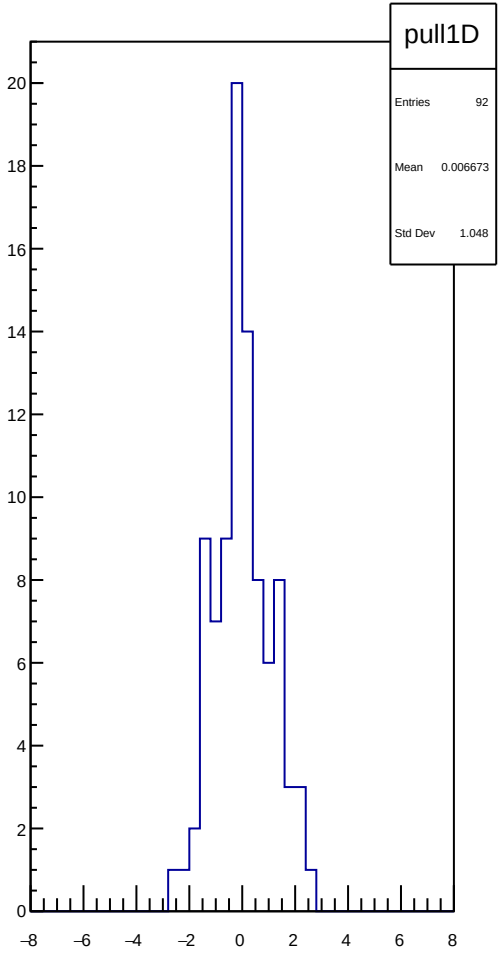

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 5609 / 91
p0 29.74 ± 0.02269
34
33
32
31
30
29
28
27
26
25

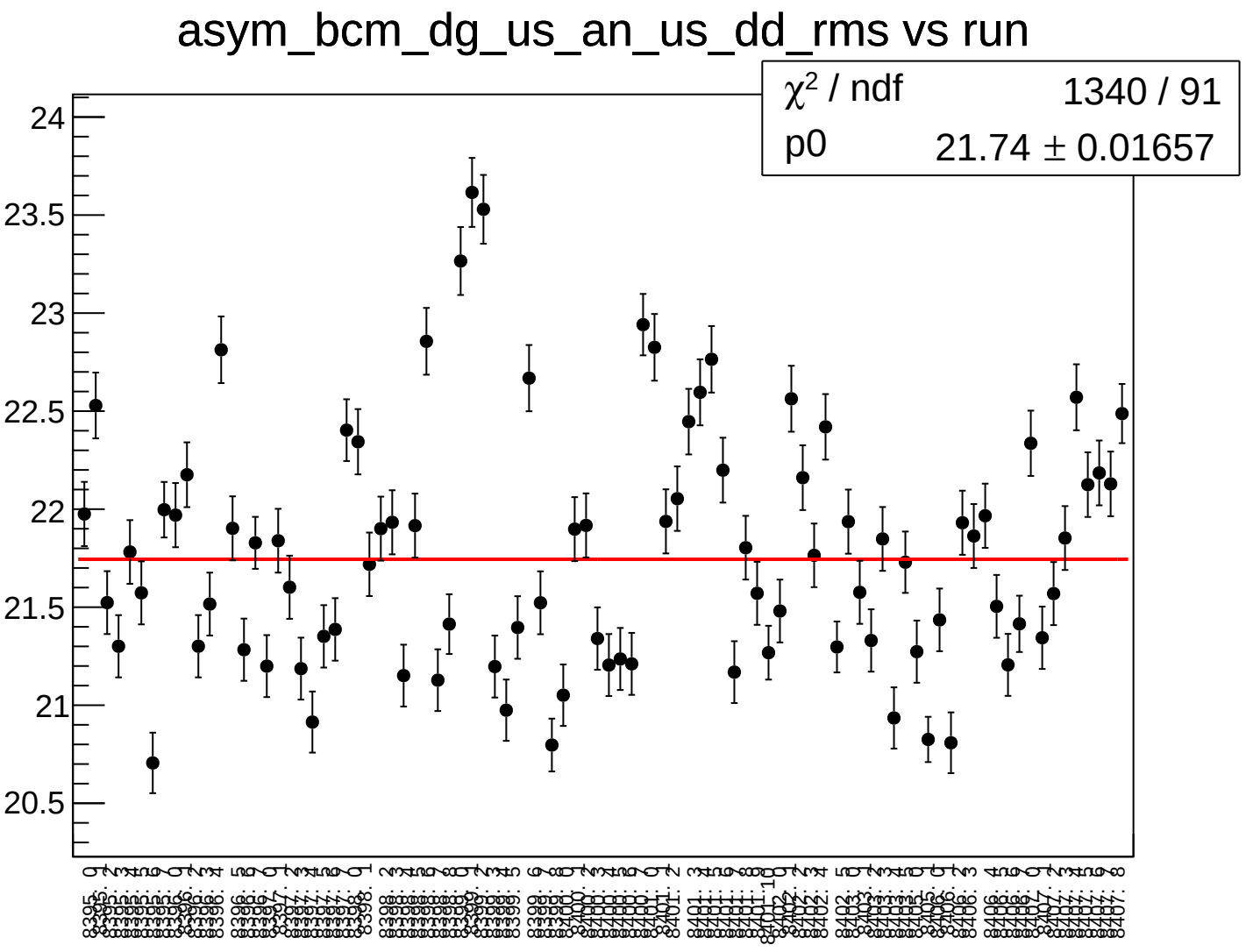

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 19.44 / 91
p0 −234.4 ± 202.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 738.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

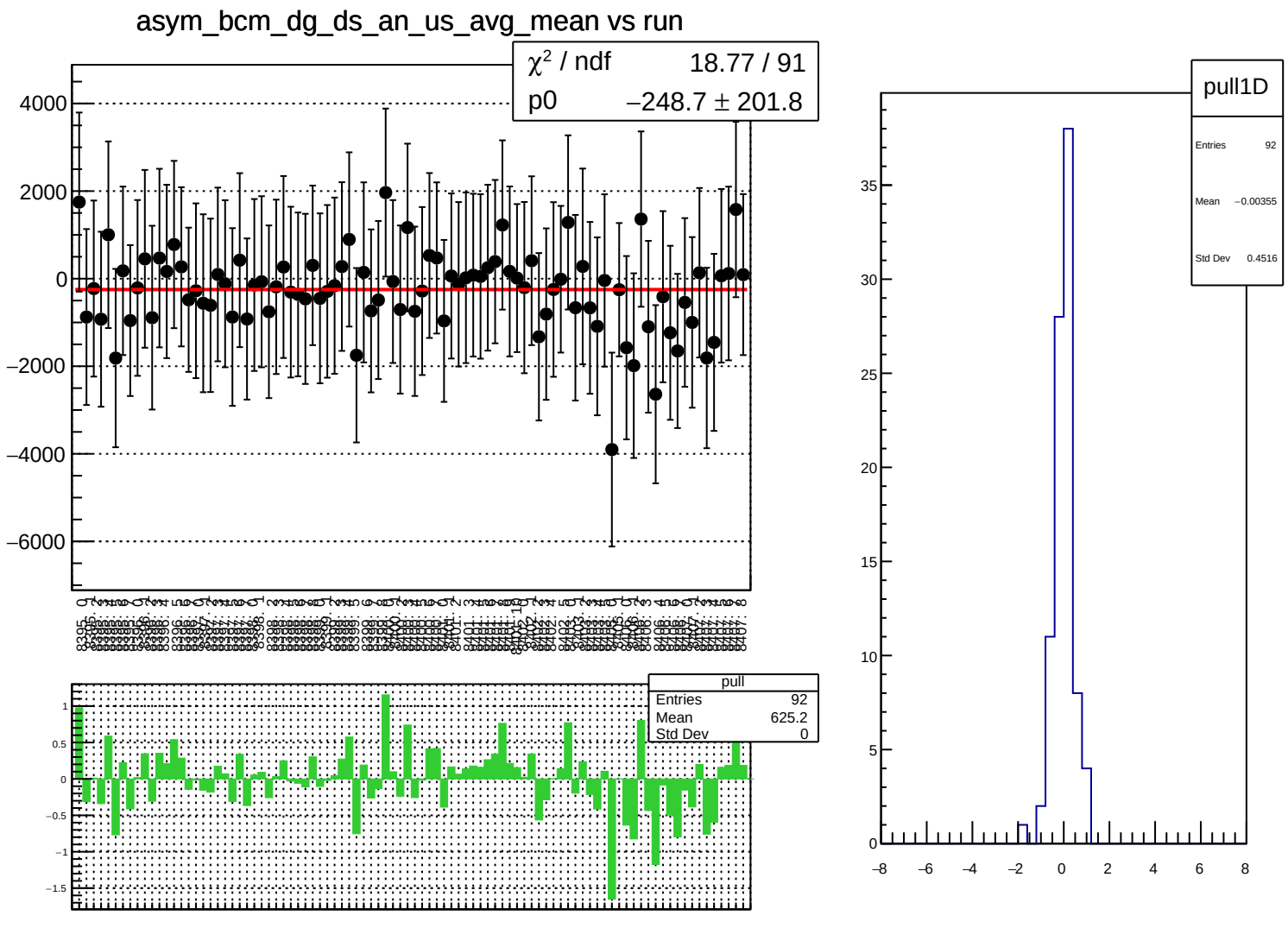

pull1D
Entries 92
Mean −0.00359
Std Dev 0.4597
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

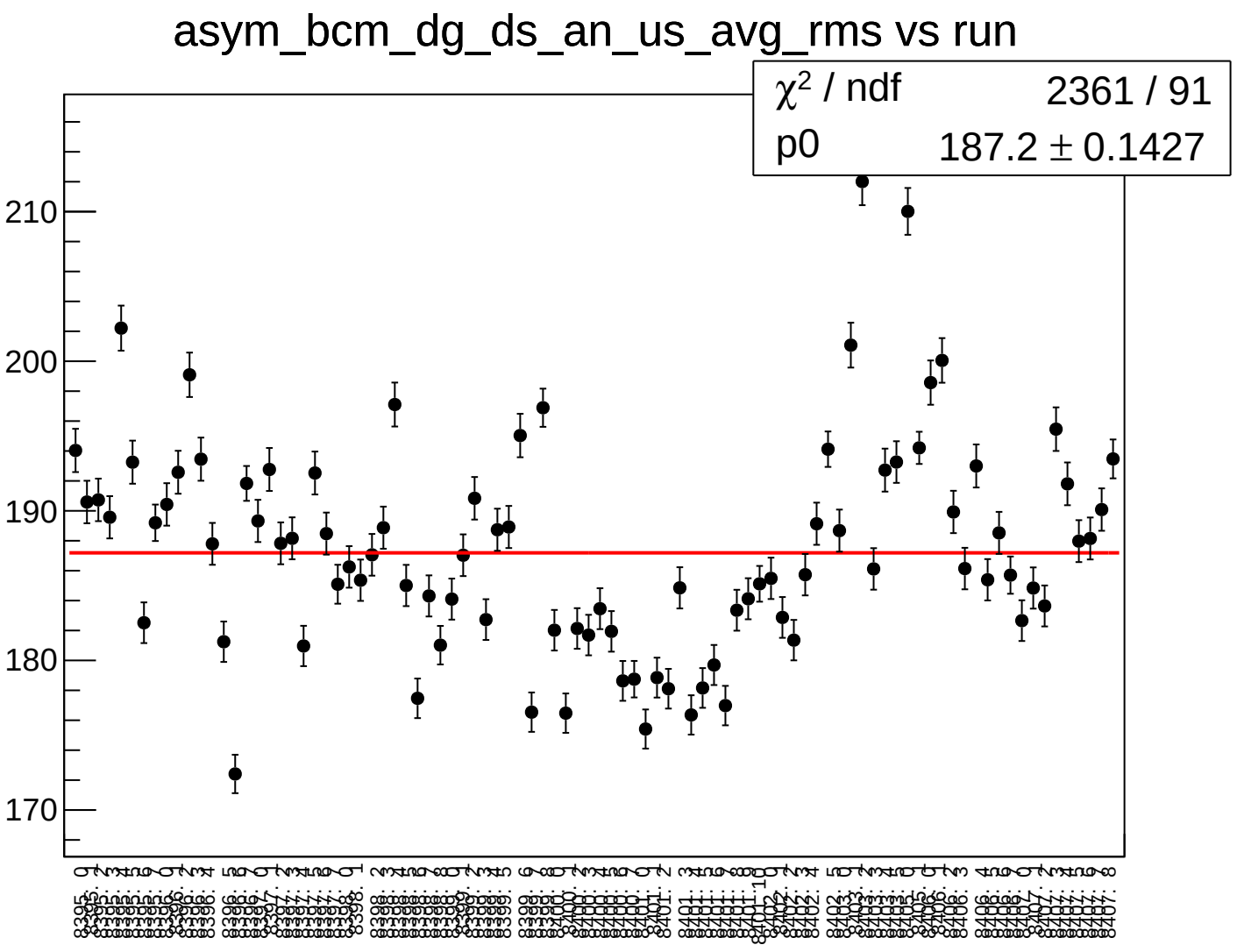

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 2309 / 91
p0 187.8 ± 0.1431
210
200
190
180
170

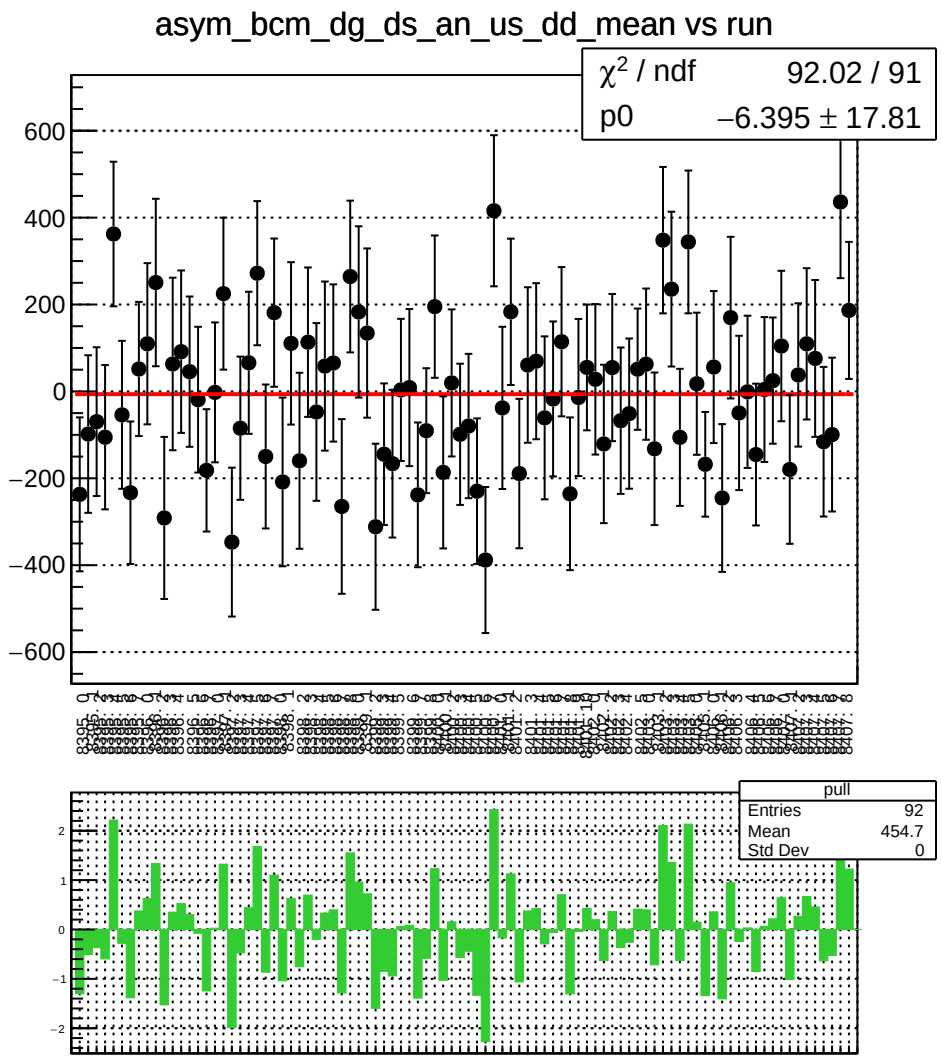

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 101 / 91
p0 6.955 ± 23.43
pull
Entries 92
Mean −208.3
Std Dev 0

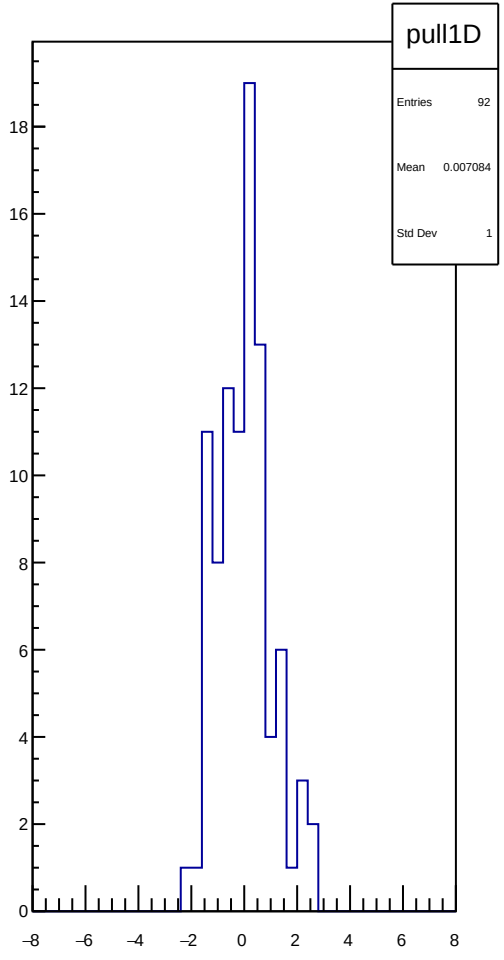

pull1D
Entries 92
Mean 0.006673
Std Dev 1.048

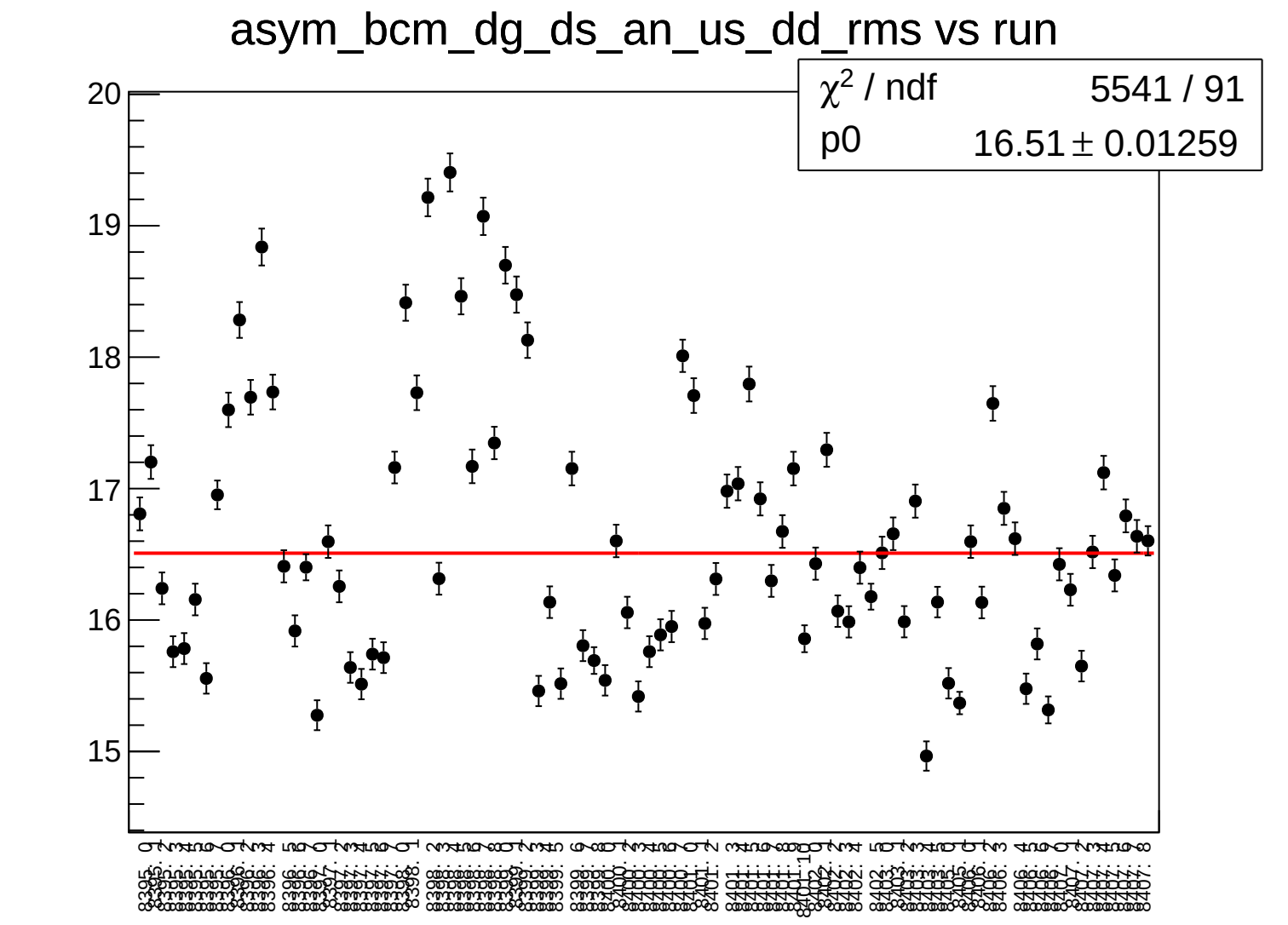

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 1340 / 91
p0 21.74 ± 0.01657
24
23.5
23
22.5
22
21.5
21
20.5

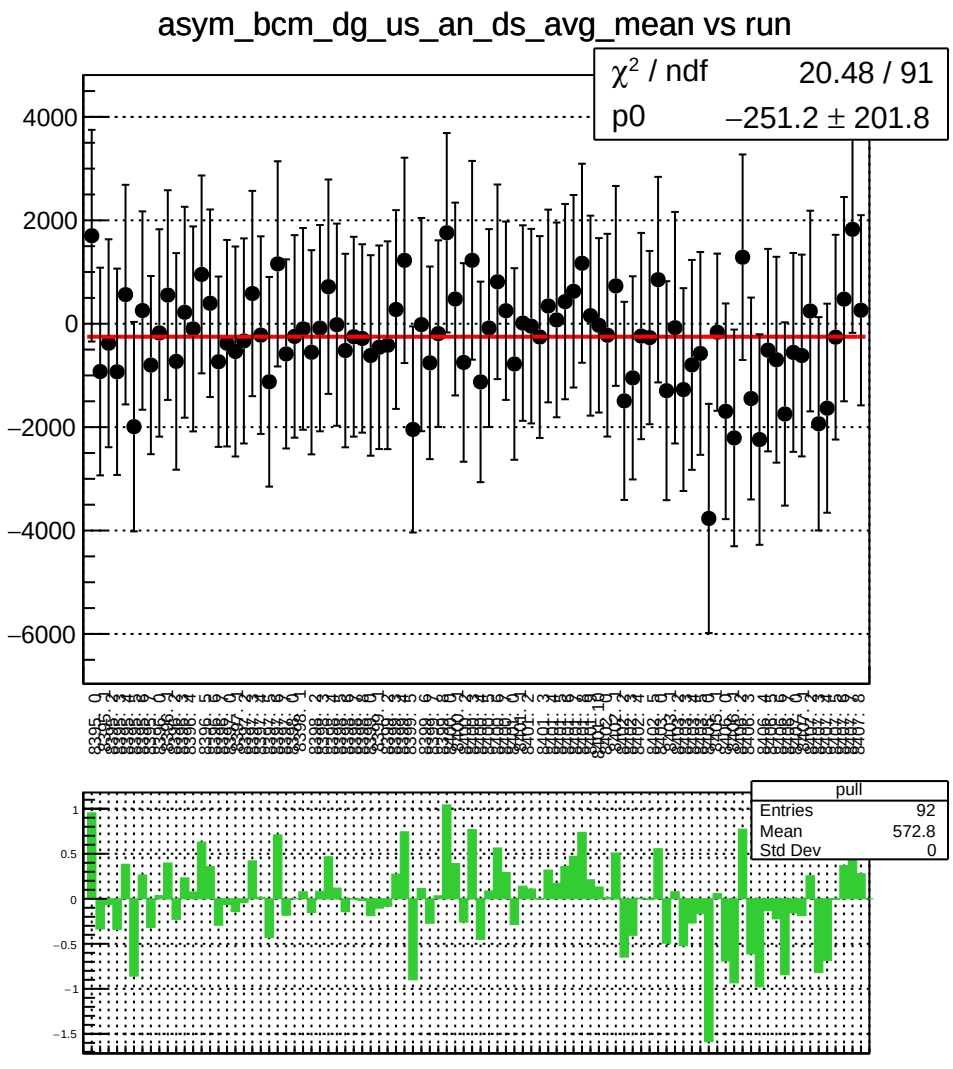

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 18.77 / 91
p0 −248.7 ± 201.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 625.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.00355
Std Dev 0.4516
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

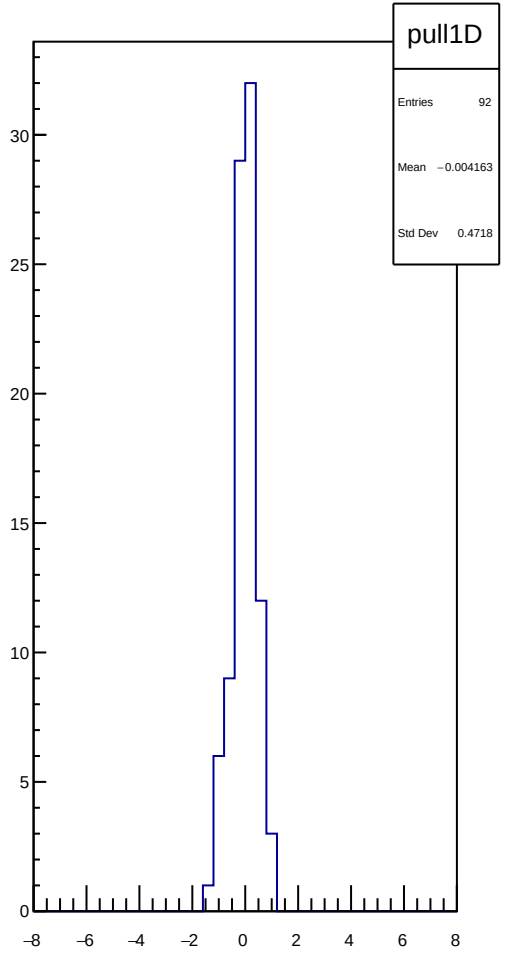

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 2361 / 91
p0 187.2 ± 0.1427
210
200
190
180
170

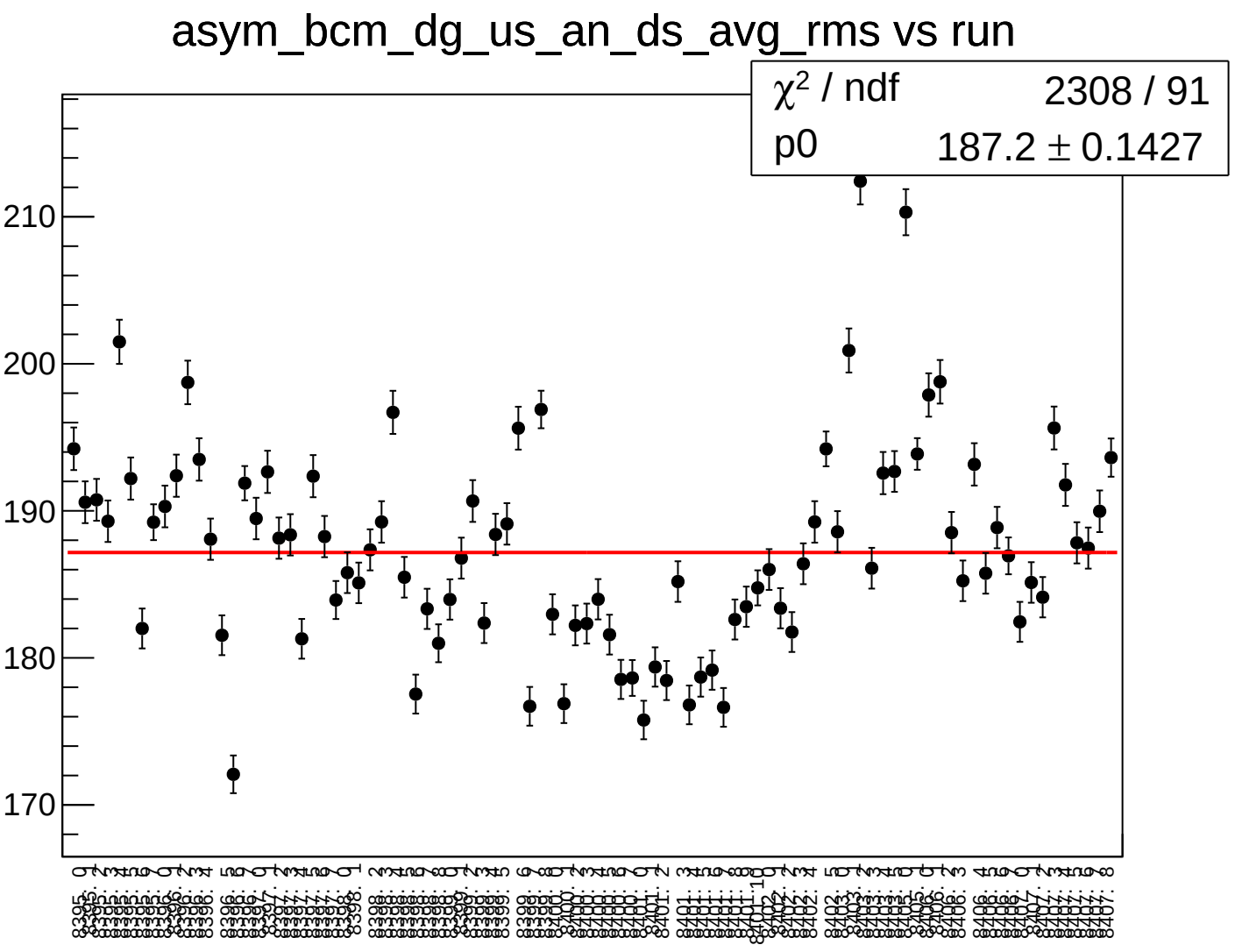

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 92.02 / 91
p0 −6.395 ± 17.81
600
400
200
0
−200
−400
−600
pull
Entries 92
Mean 454.7
Std Dev 0
2
1
0
−1
−2

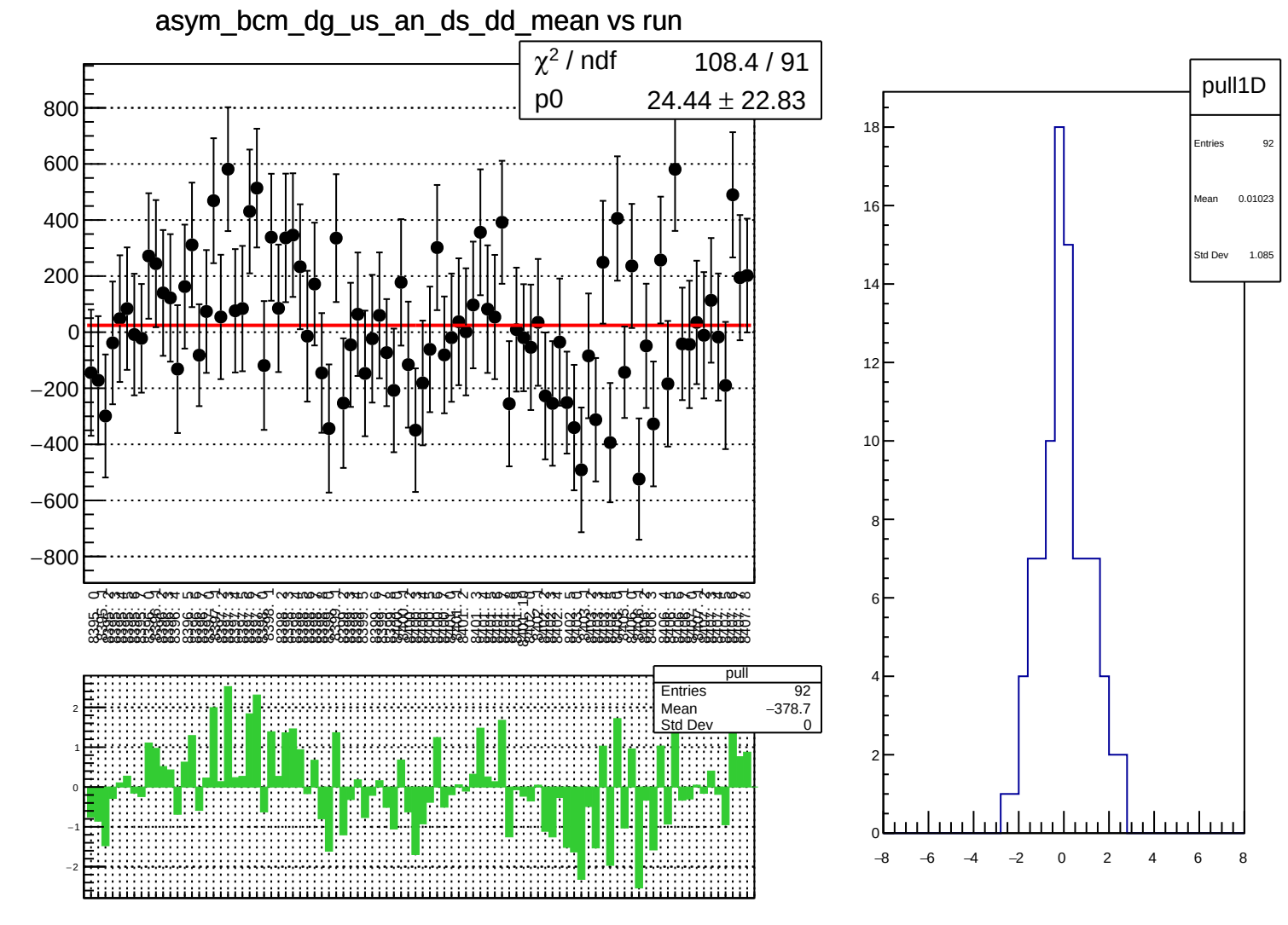

pull1D
Entries 92
Mean 0.007084
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

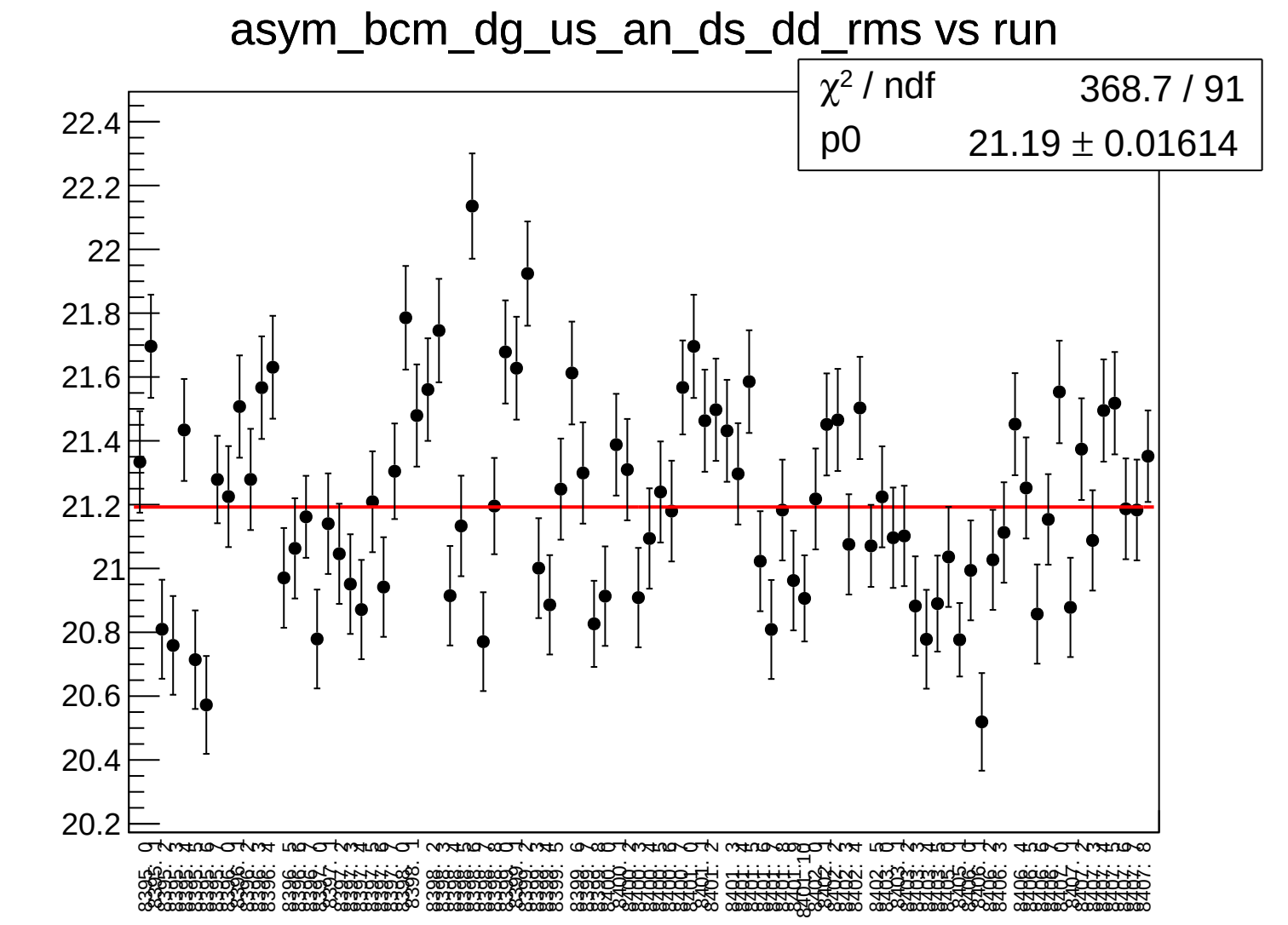

asym_bcm_dg_ds_an_us_dd_rms vs run
$\chi^2$ / ndf 5541 / 91
p0 16.51 ± 0.01259
20
19
18
17
16
15

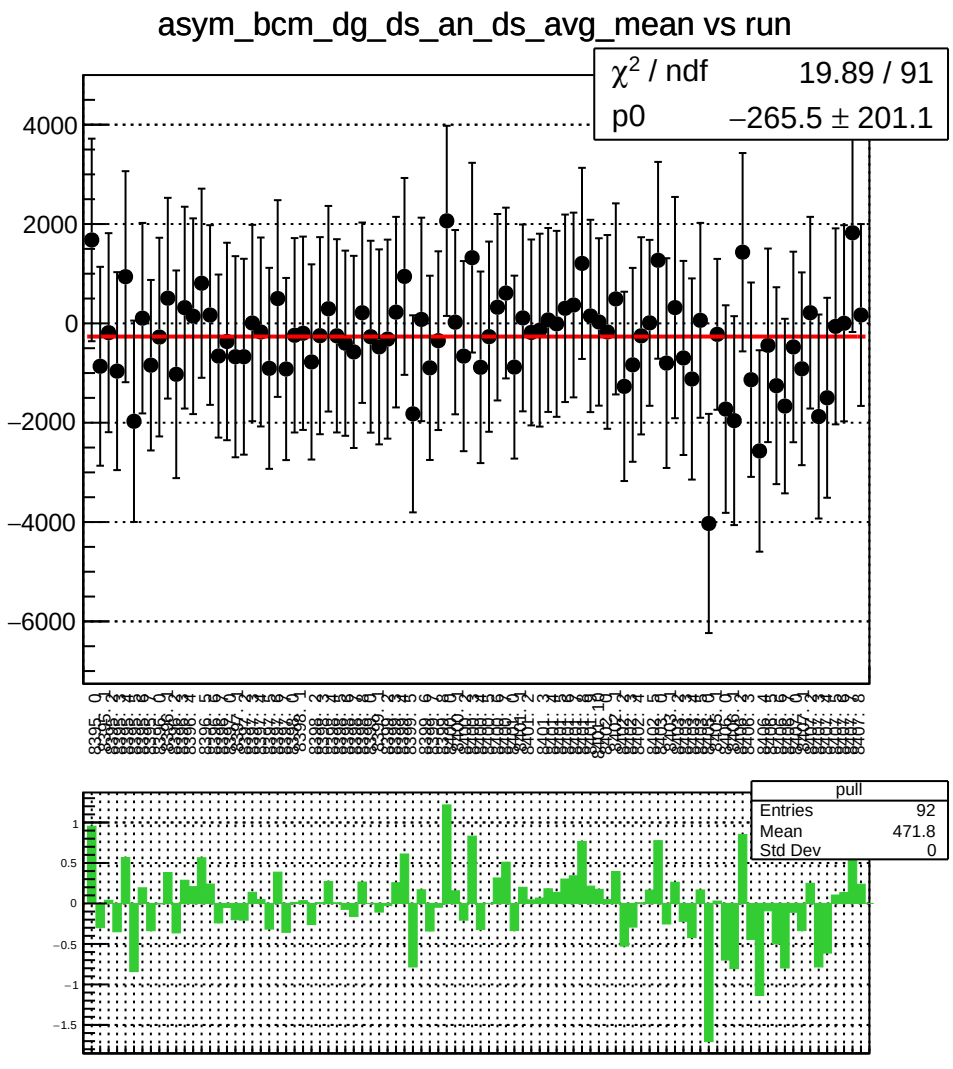

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 20.48 / 91
p0 −251.2 ± 201.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 572.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

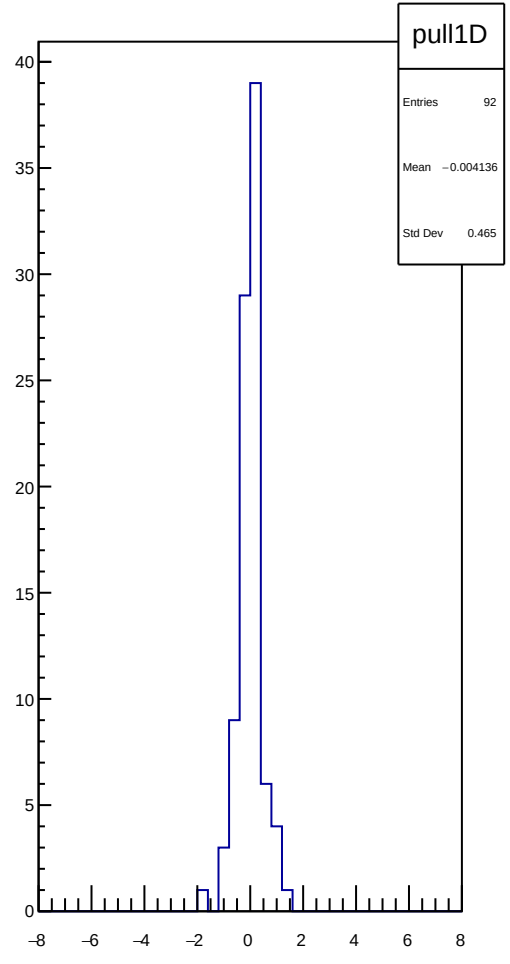

pull1D
Entries 92
Mean −0.004163
Std Dev 0.4718
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

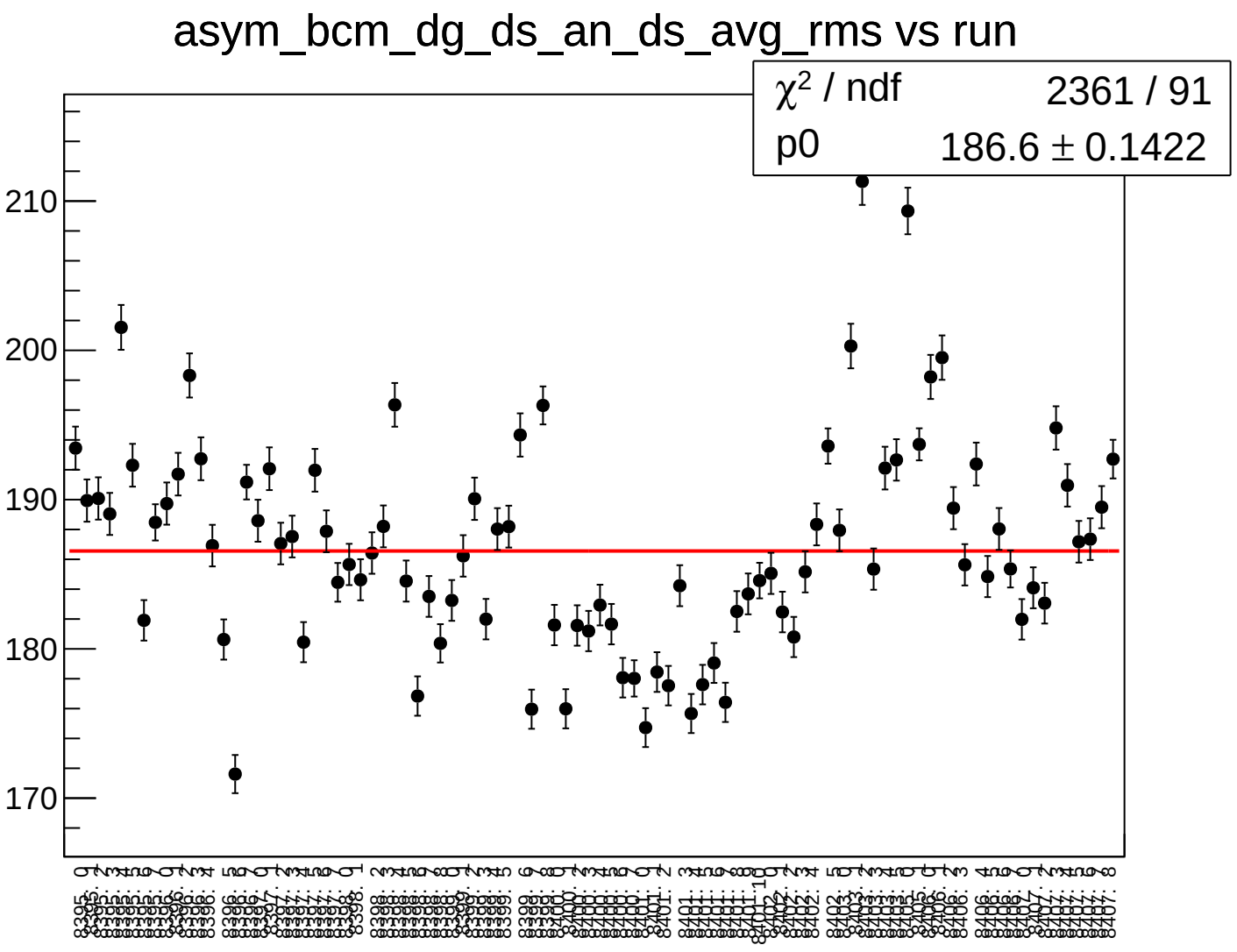

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 2308 / 91
p0 187.2 ± 0.1427
210
200
190
180
170

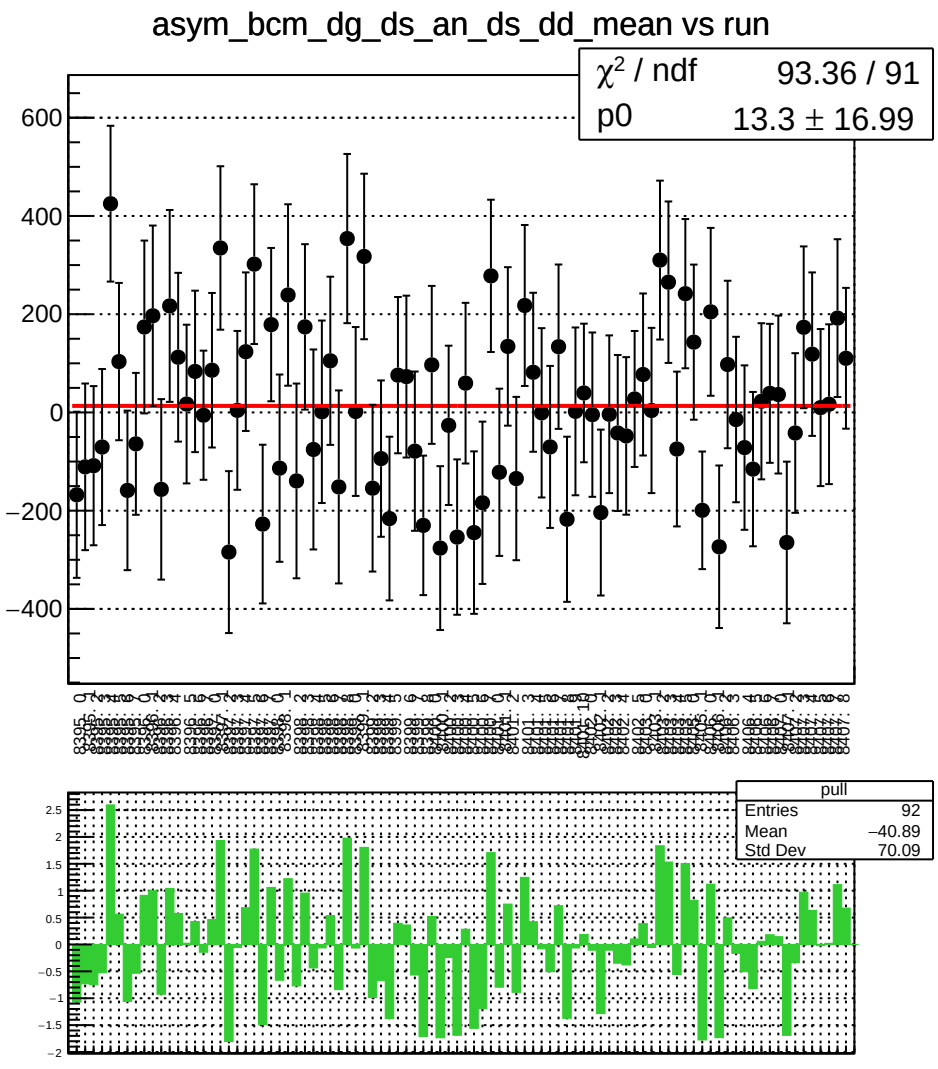

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 108.4 / 91
p0 24.44 ± 22.83
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 92
Mean −378.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.01023
Std Dev 1.085
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

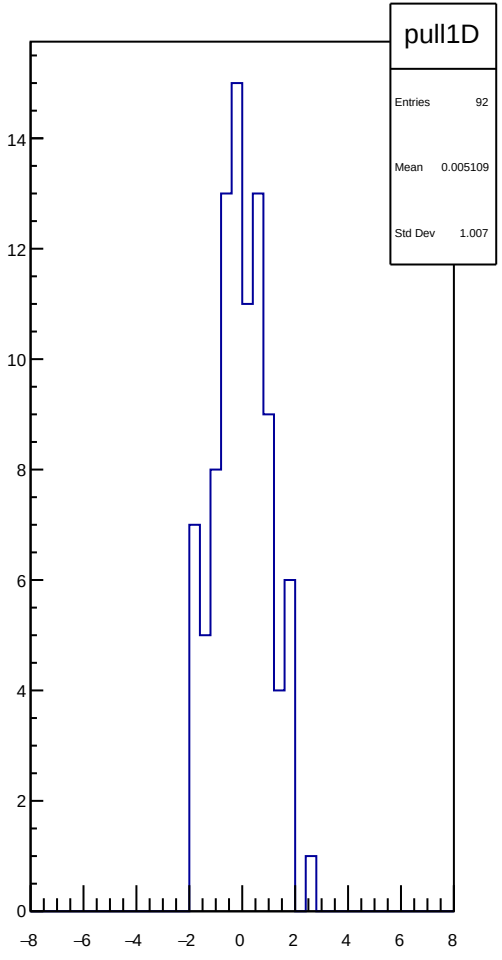

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 368.7 / 91
p0 21.19 ± 0.01614
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2

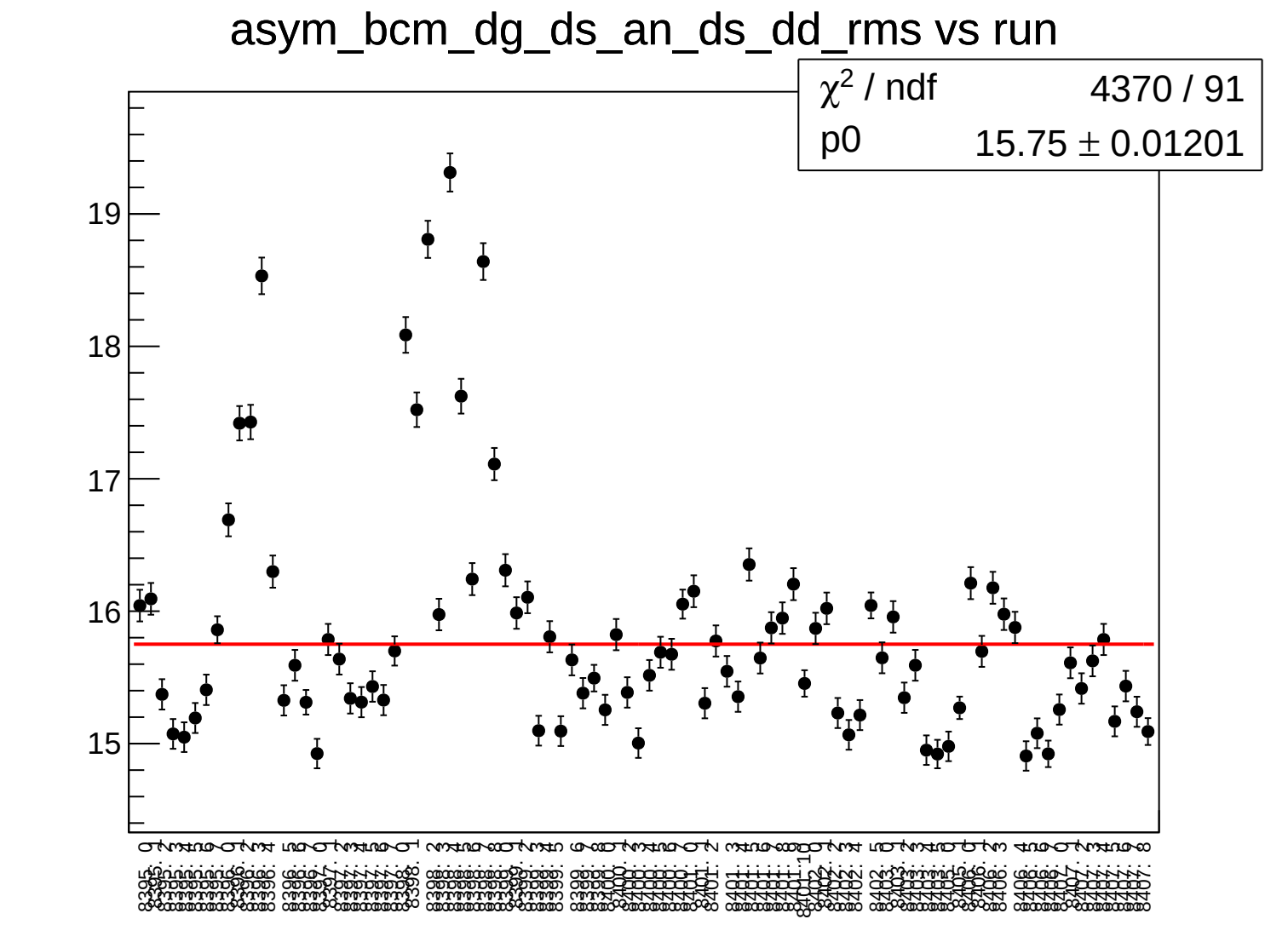

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 19.89 / 91
p0 −265.5 ± 201.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 471.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

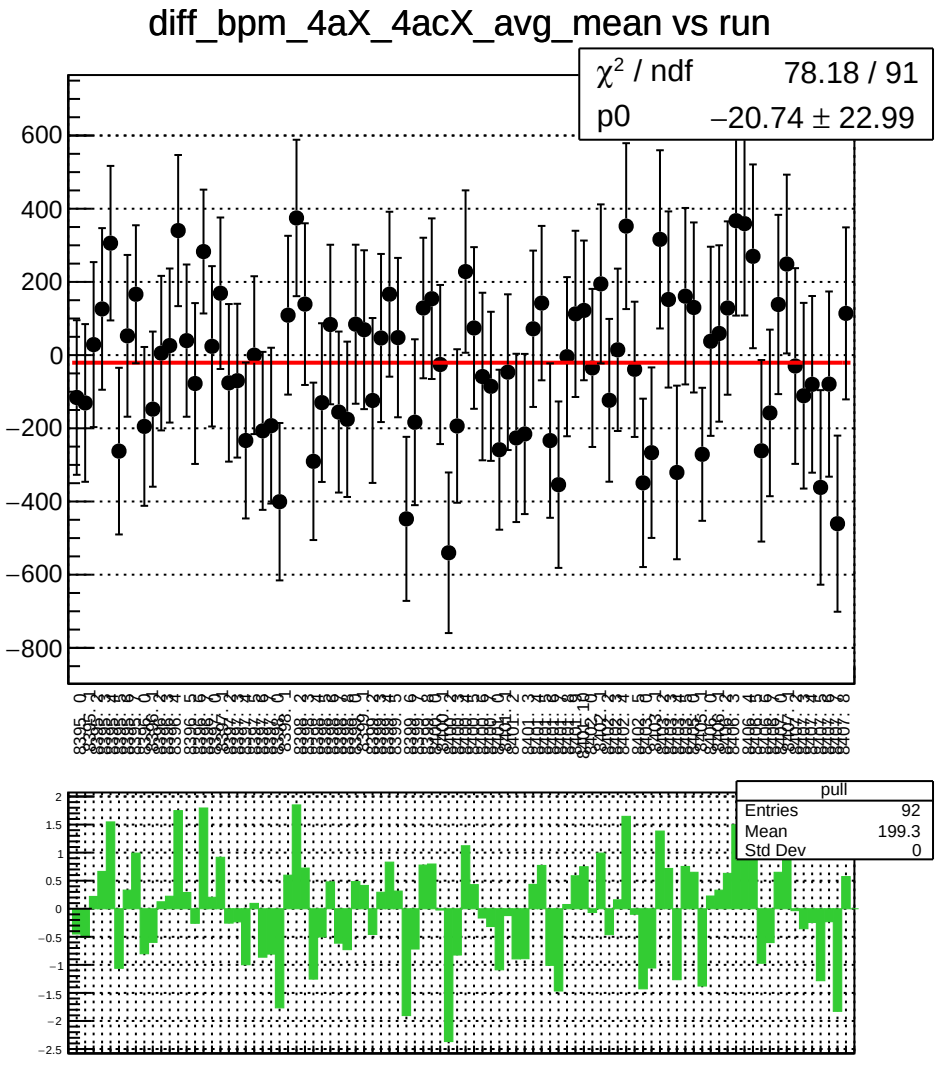

pull1D
Entries 92
Mean −0.004136
Std Dev 0.465
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

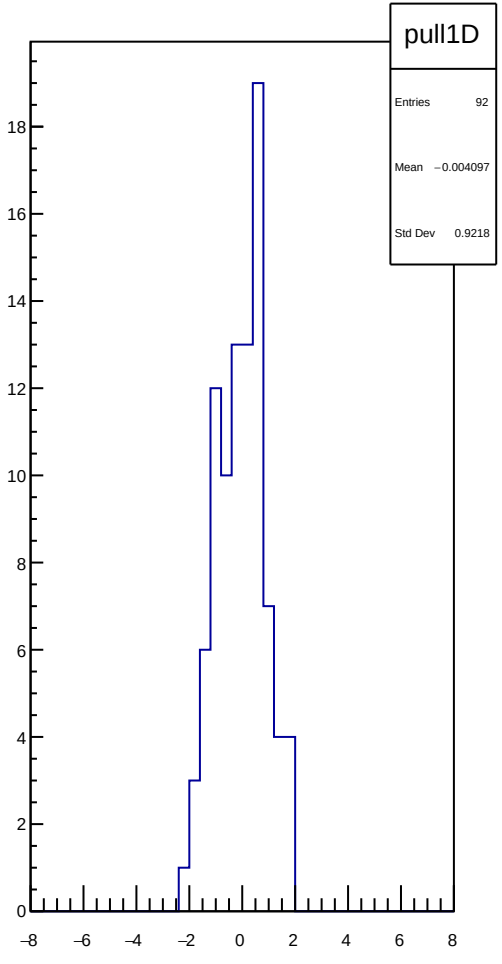

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 2361 / 91
p0 186.6 ± 0.1422
210
200
190
180
170

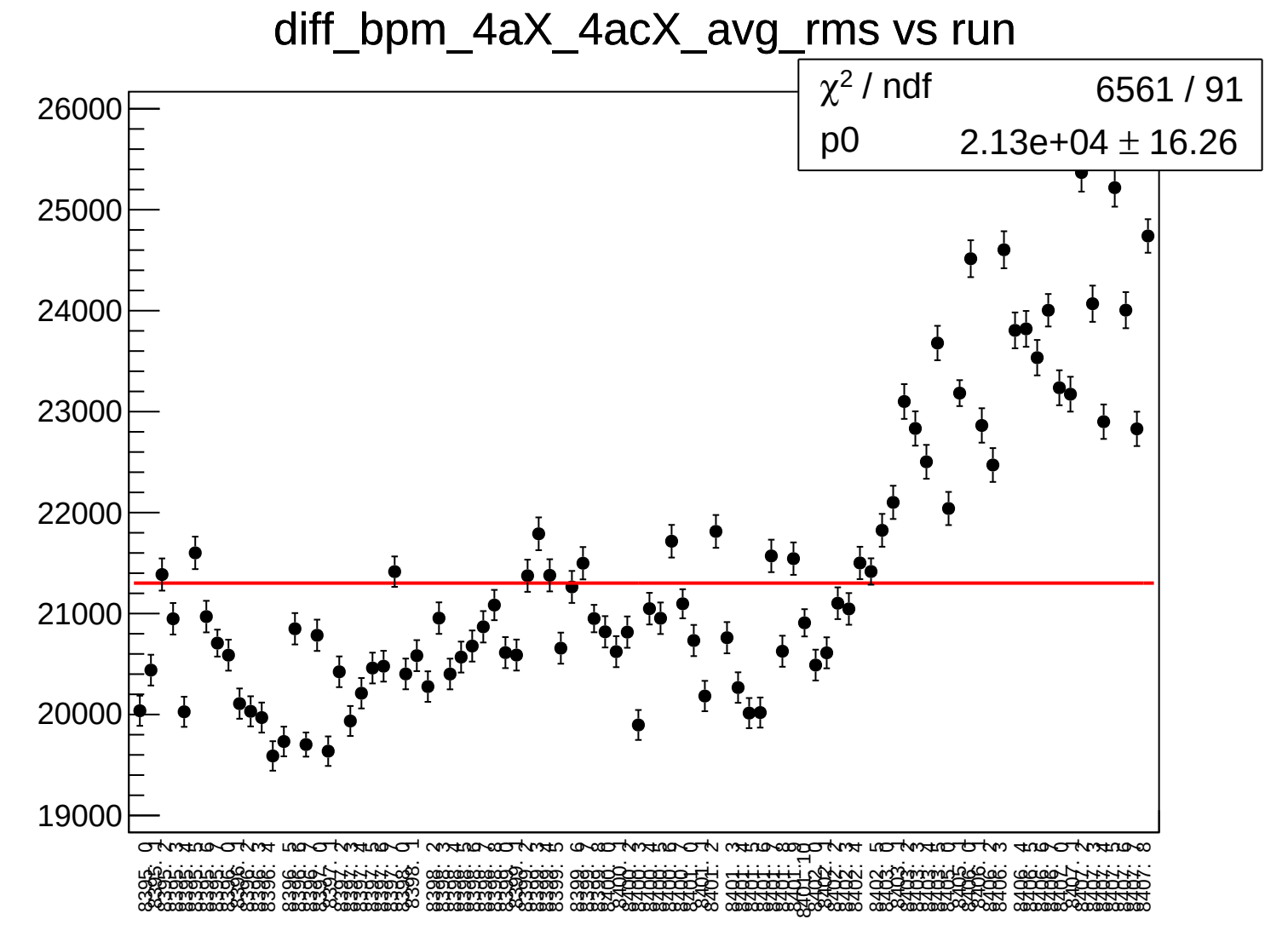

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 93.36 / 91
p0 13.3 ± 16.99
pull
Entries 92
Mean −40.89
Std Dev 70.09

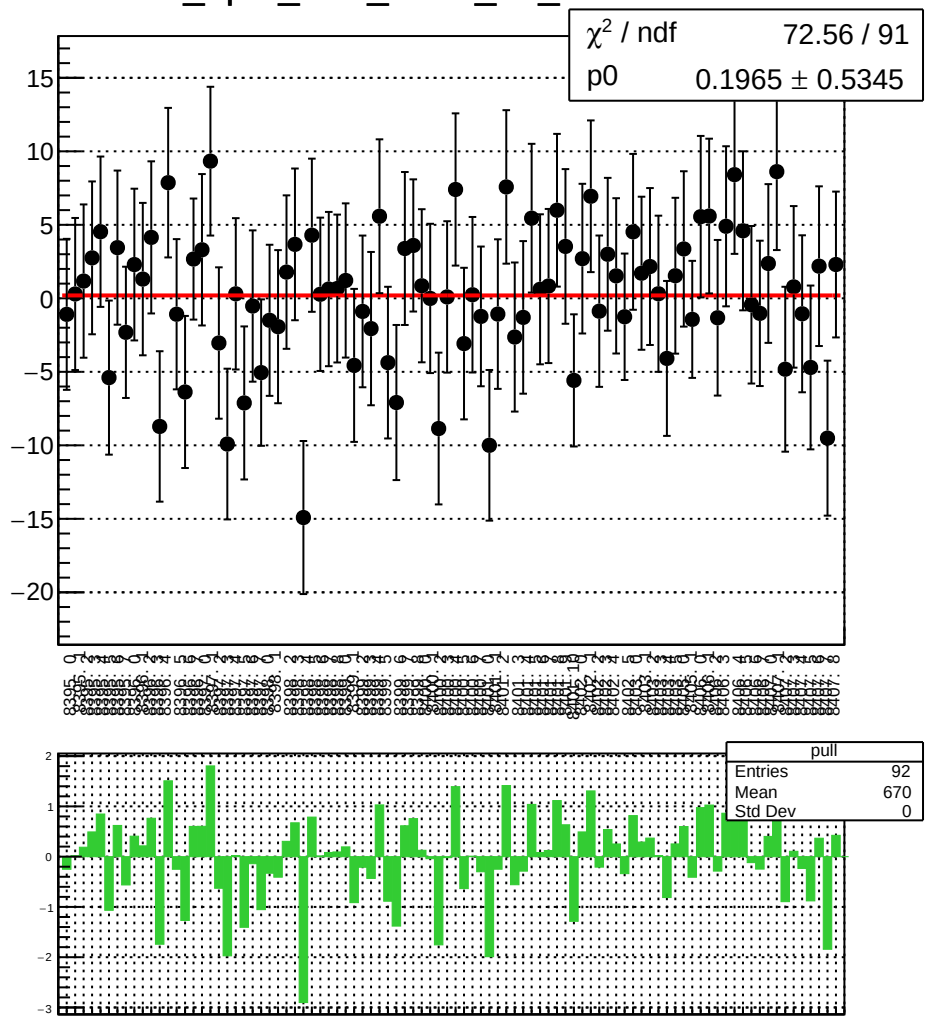

pull1D
Entries 92
Mean 0.005109
Std Dev 1.007

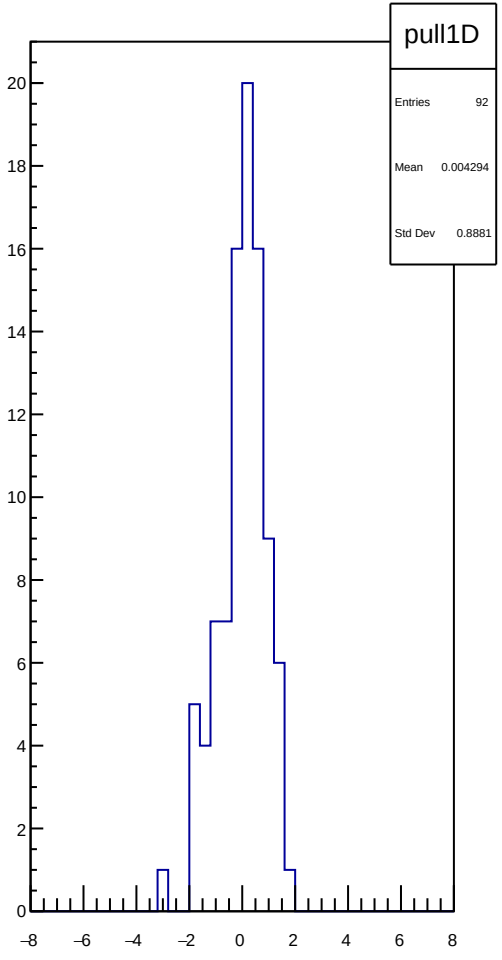

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 4370 / 91
p0 15.75 ± 0.01201
19
18
17
16
15

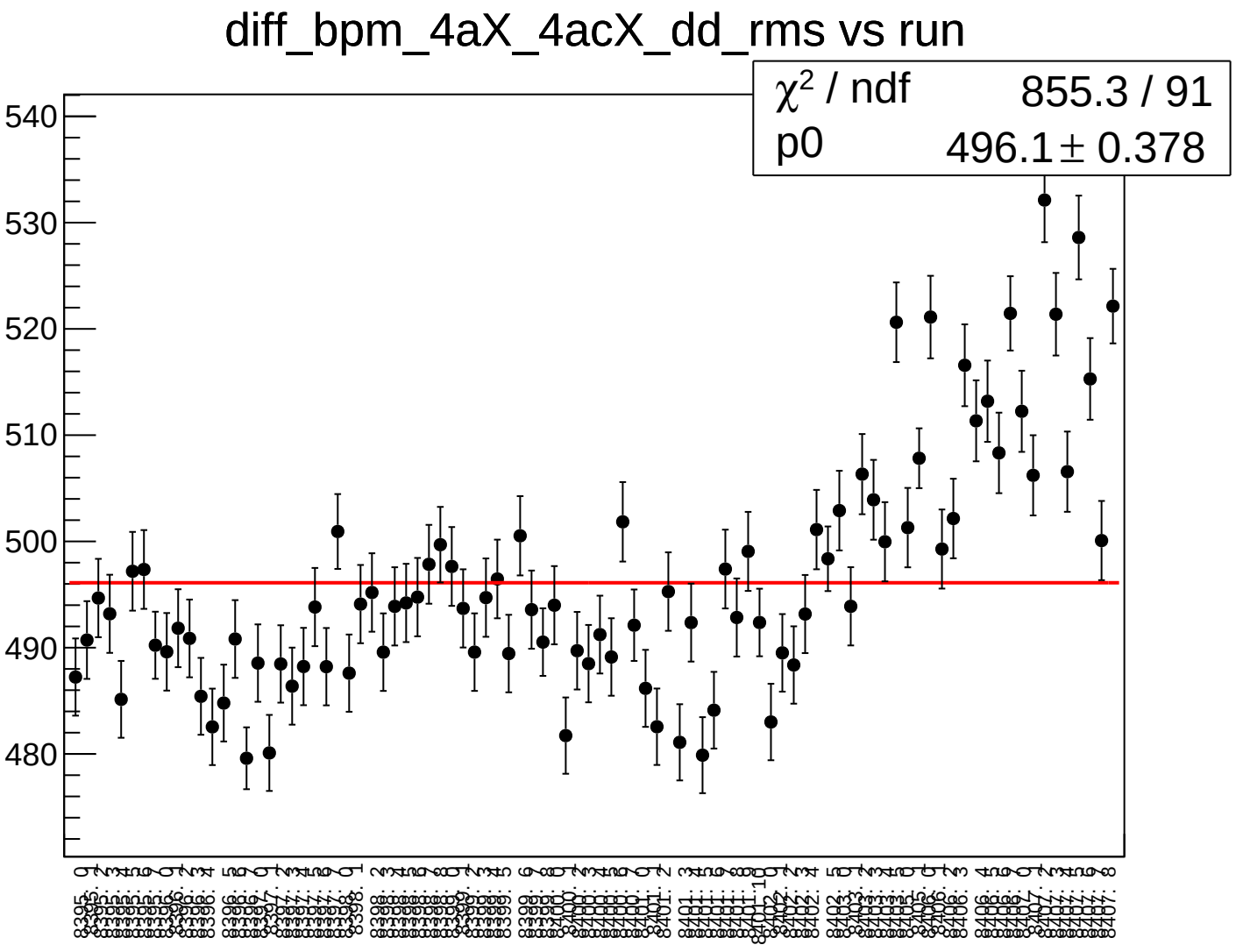

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 78.18 / 91
p0 −20.74 ± 22.99
pull
Entries 92
Mean 199.3
Std Dev 0

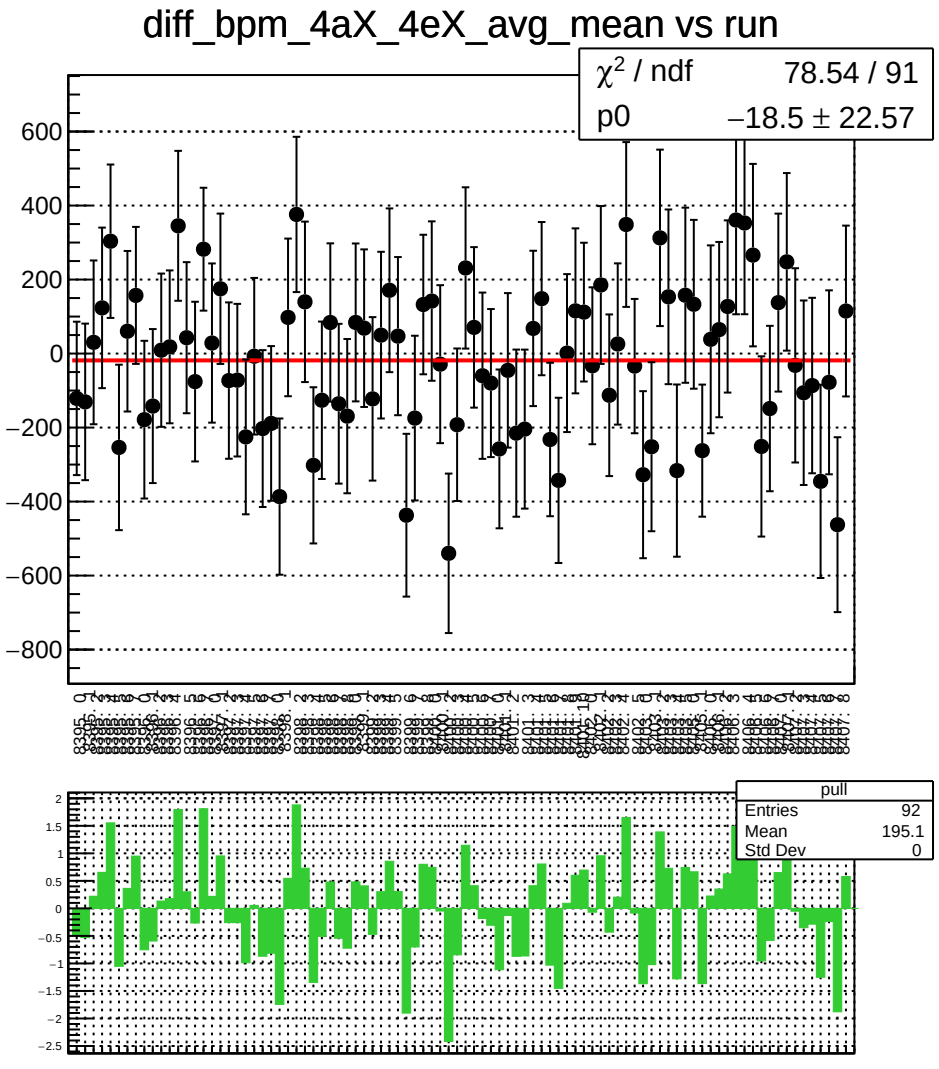

pull1D
Entries 92
Mean −0.004097
Std Dev 0.9218

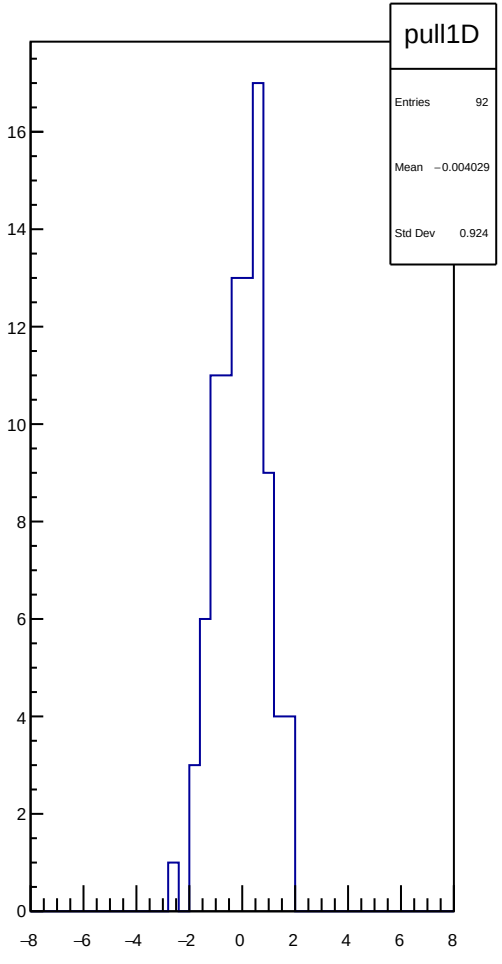

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 6561 / 91
p0 2.13e+04 ± 16.26
26000
25000
24000
23000
22000
21000
20000
19000

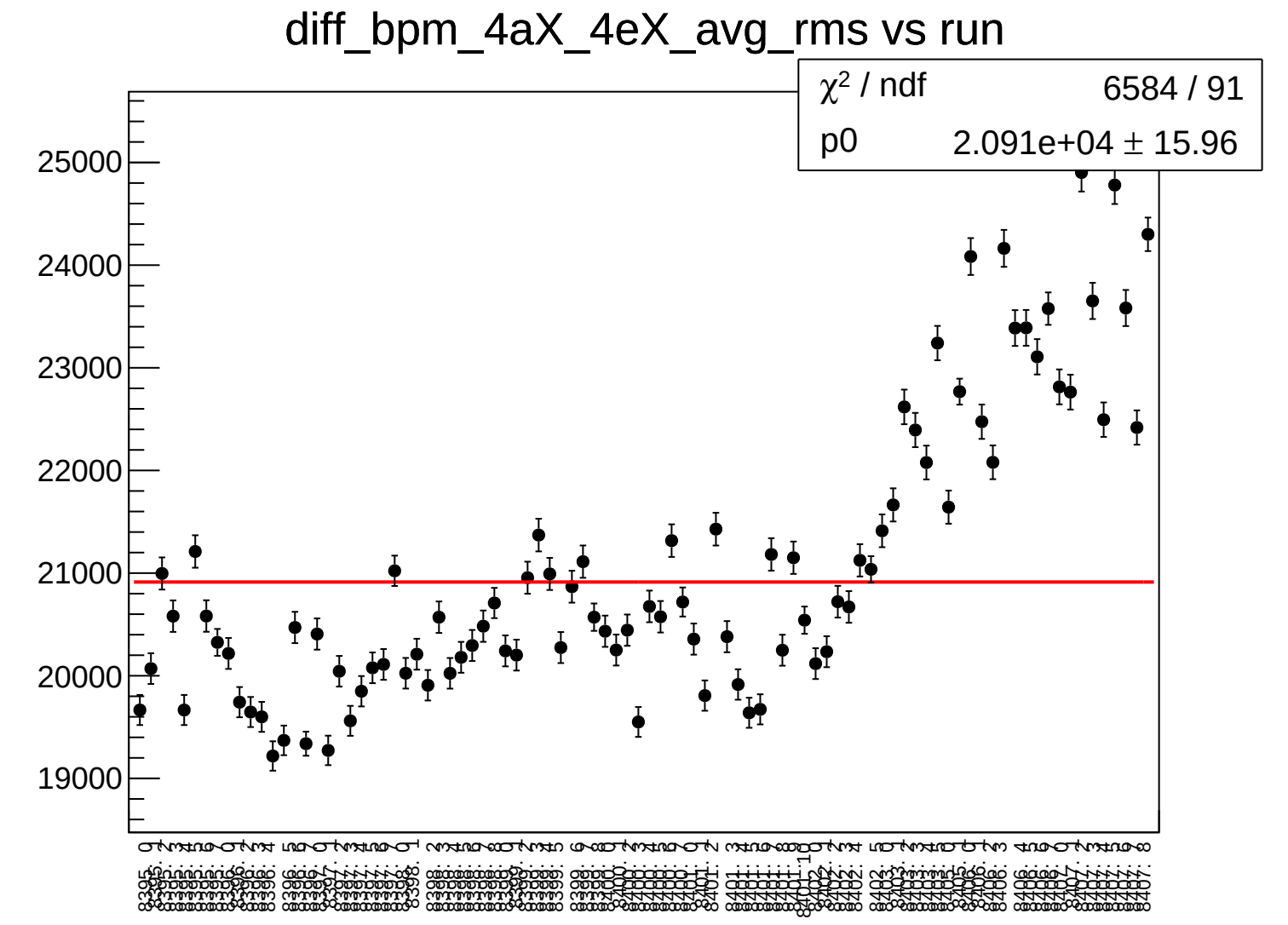

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 72.56 / 91
p0 0.1965 ± 0.5345
pull
Entries 92
Mean 670
Std Dev 0

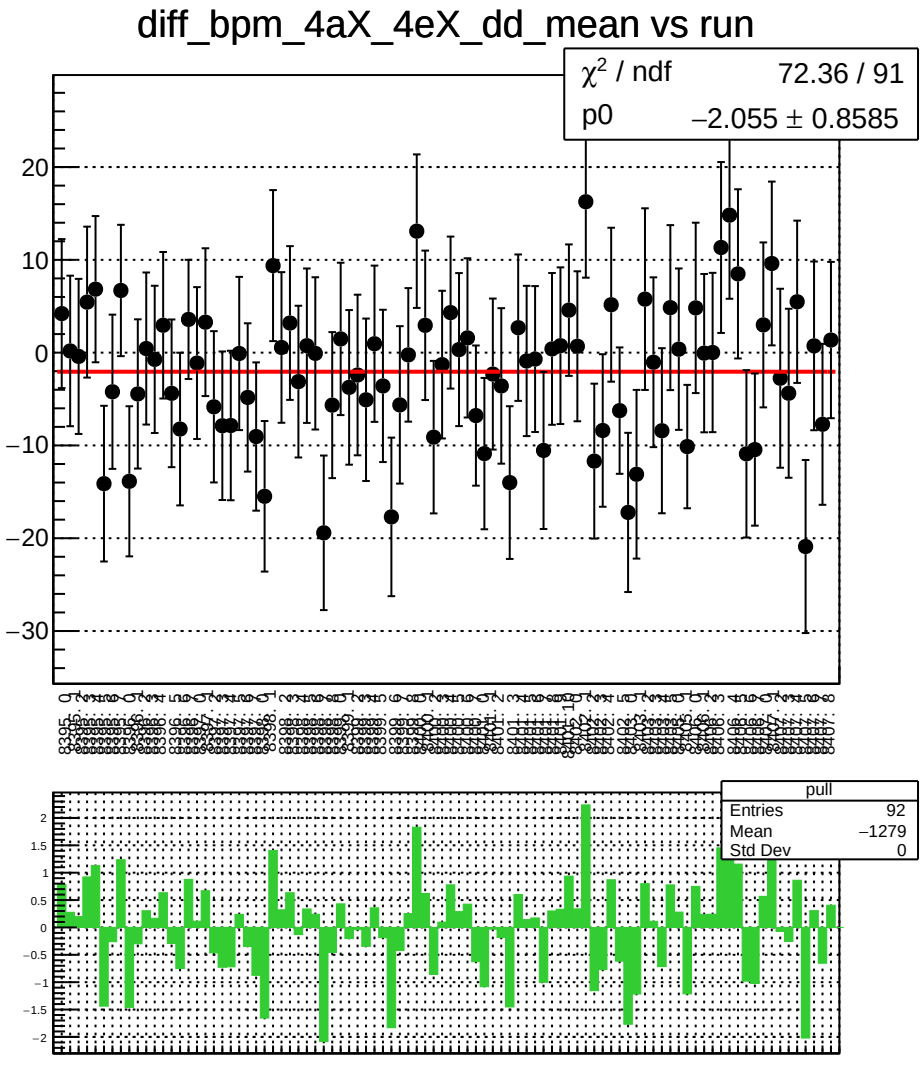

pull1D
Entries 92
Mean 0.004294
Std Dev 0.8881

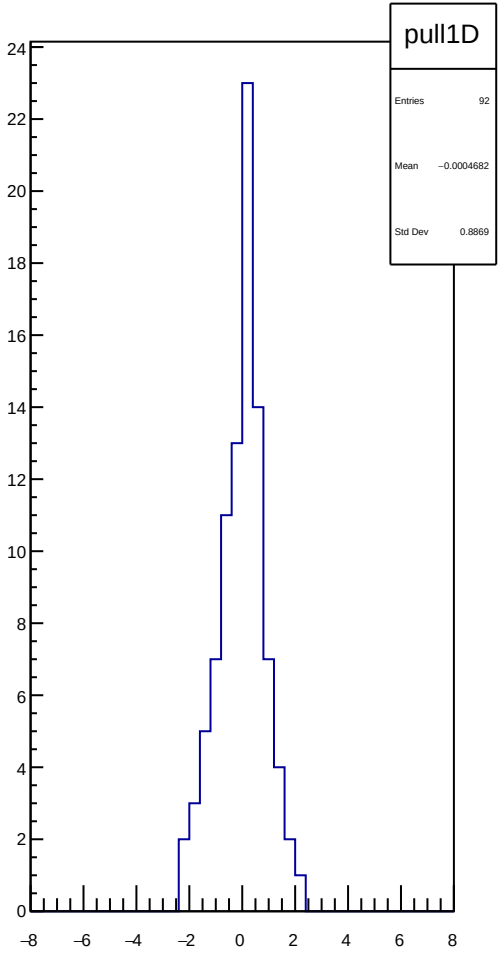

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 855.3 / 91
p0 496.1 ± 0.378
540
530
520
510
500
490
480

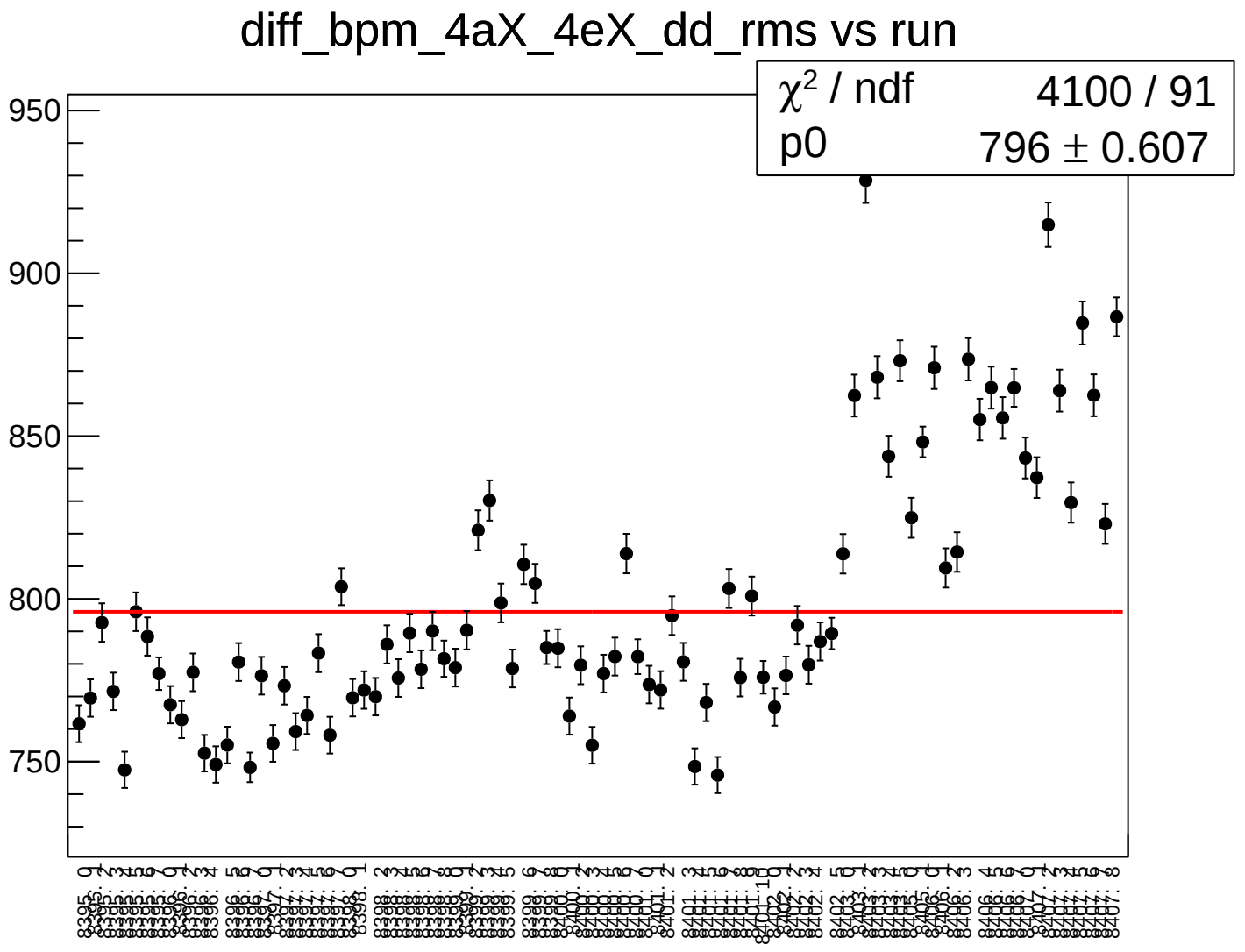

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 78.54 / 91
p0 −18.5 ± 22.57
pull
Entries 92
Mean 195.1
Std Dev 0

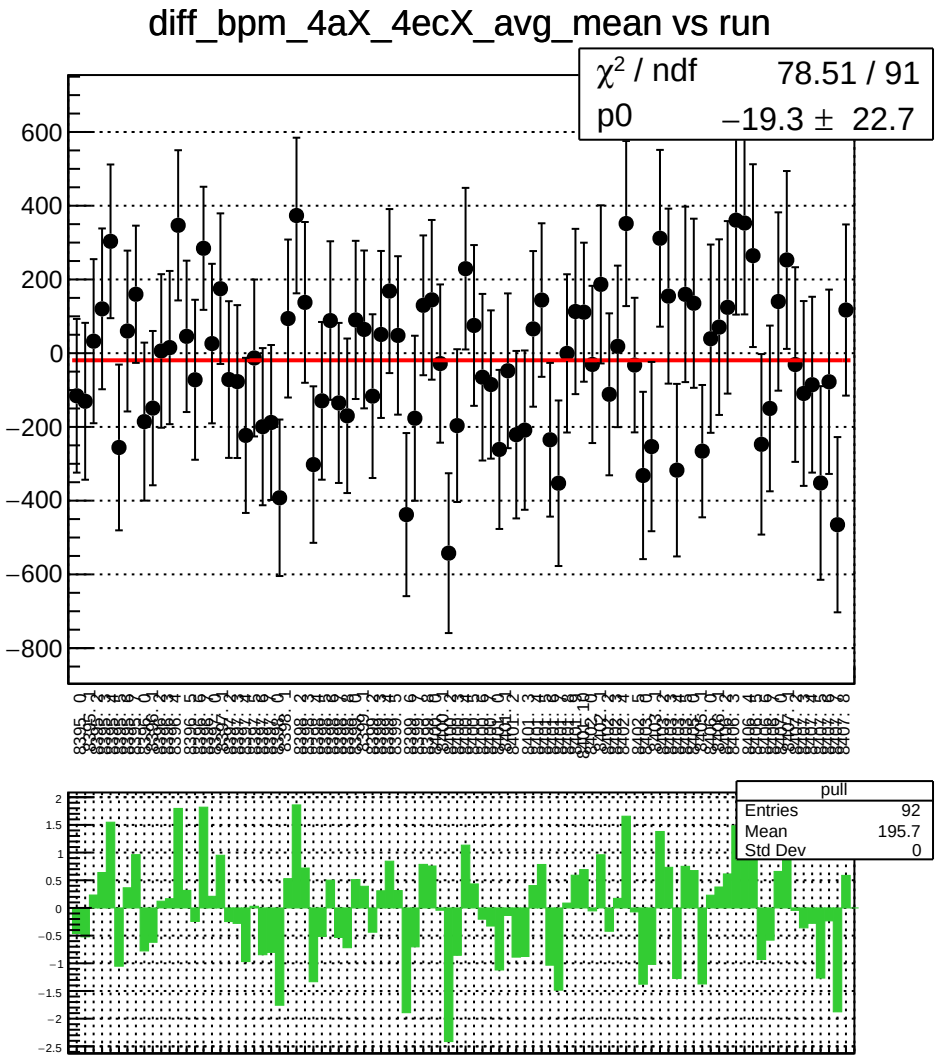

pull1D
Entries 92
Mean −0.004029
Std Dev 0.924

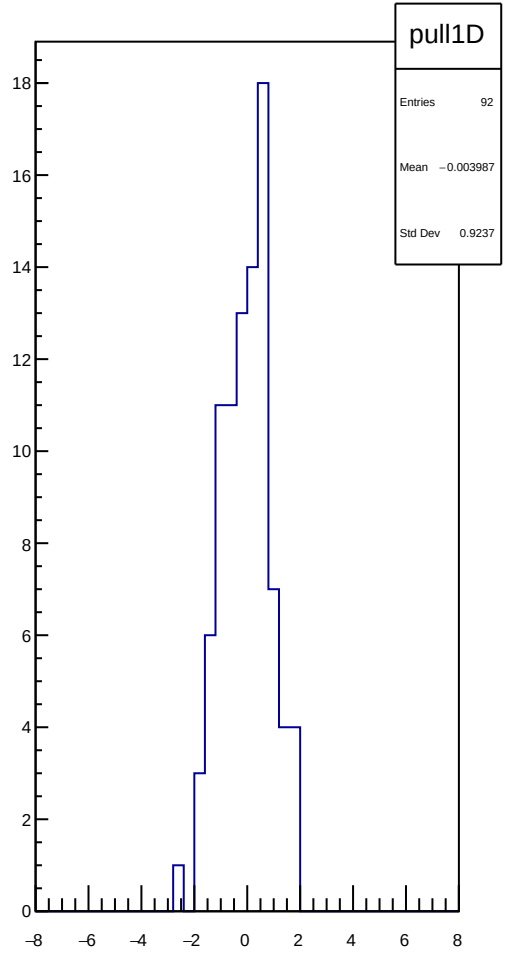

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 6584 / 91
p0 2.091e+04 ± 15.96
25000
24000
23000
22000
21000
20000
19000

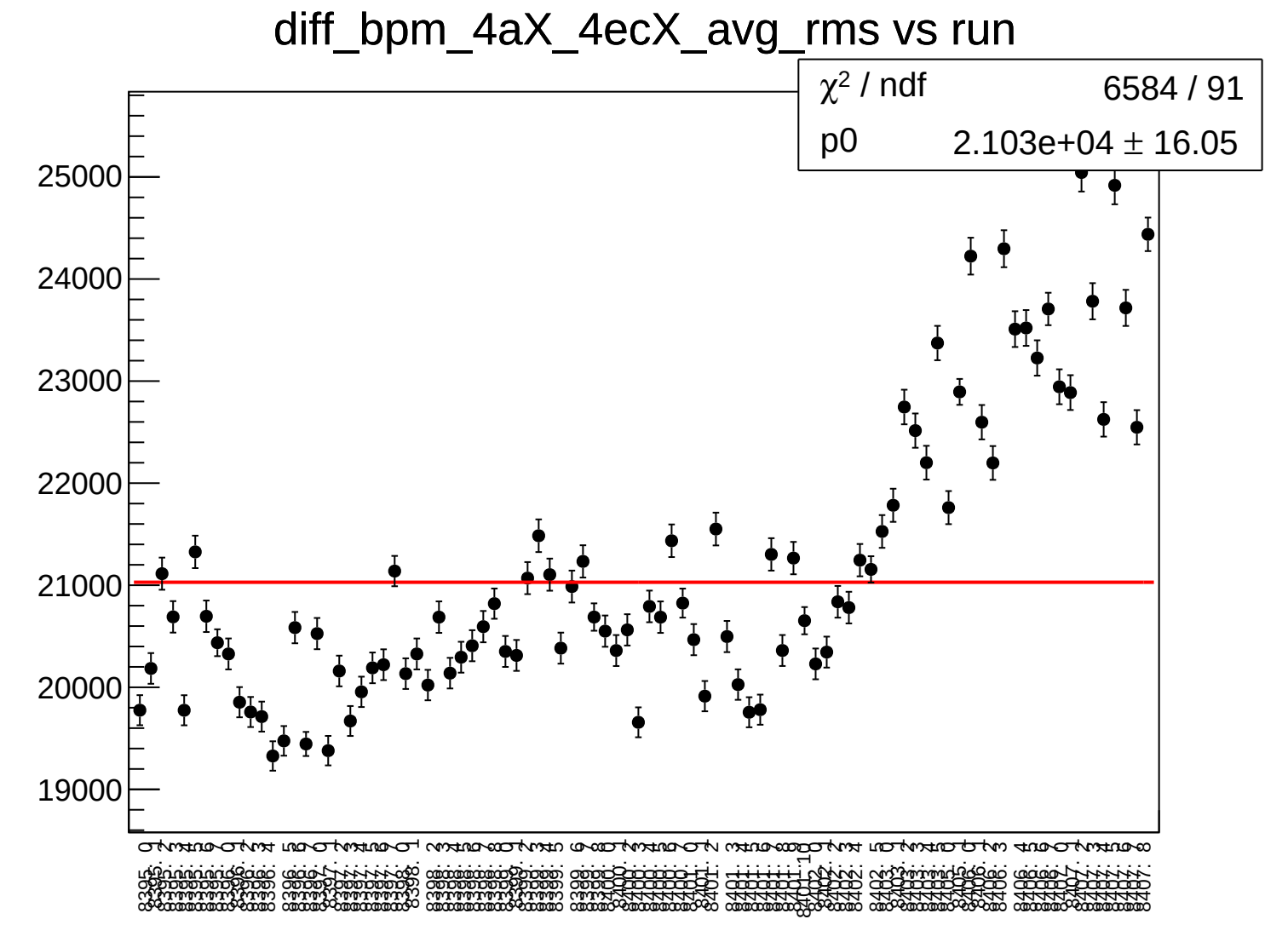

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 72.36 / 91
p0 −2.055 ± 0.8585
pull
Entries 92
Mean −1279
Std Dev 0

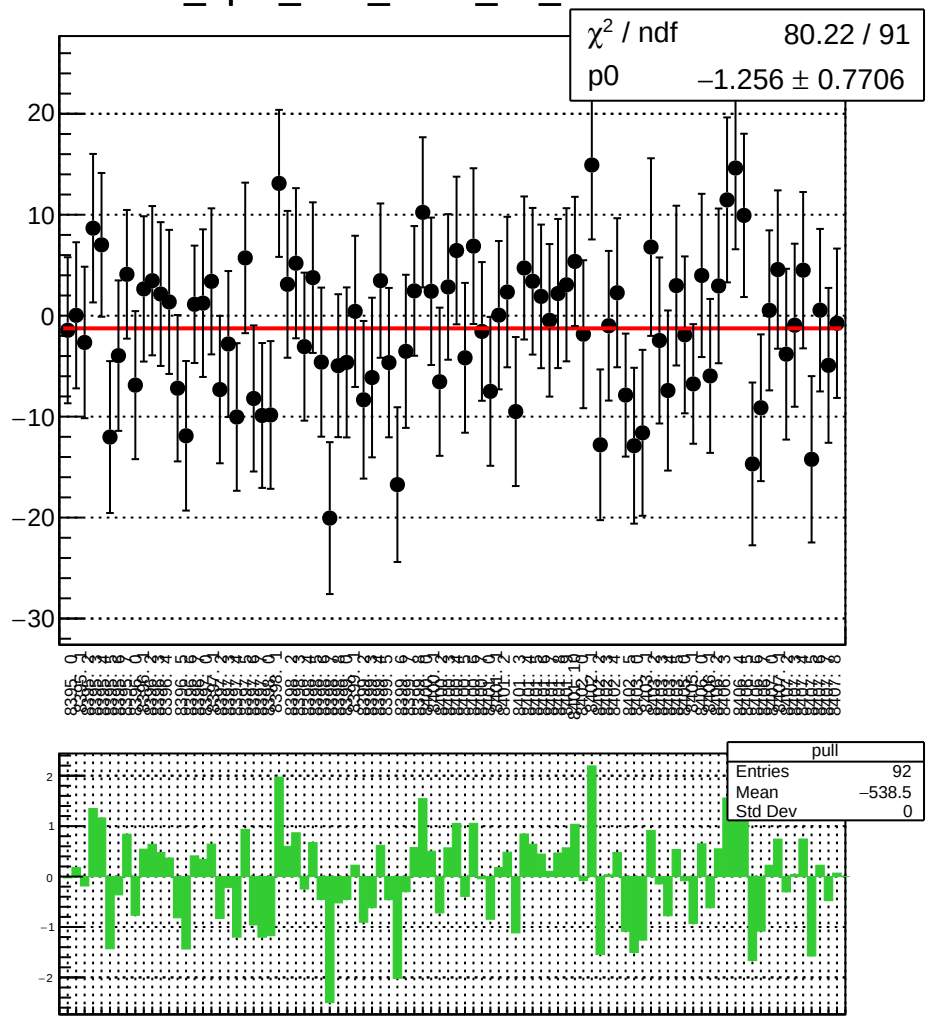

pull1D
Entries 92
Mean −0.0004682
Std Dev 0.8869

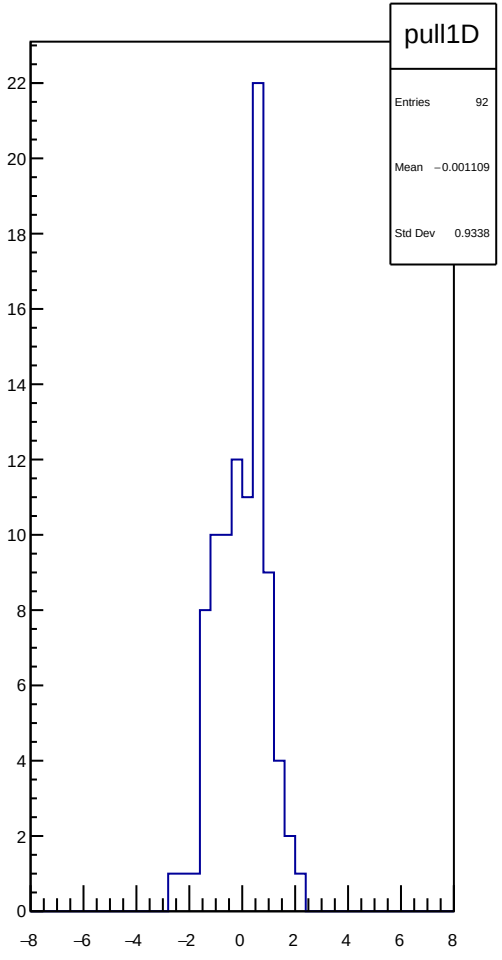

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 4100 / 91
p0 796 ± 0.607
950
900
850
800
750

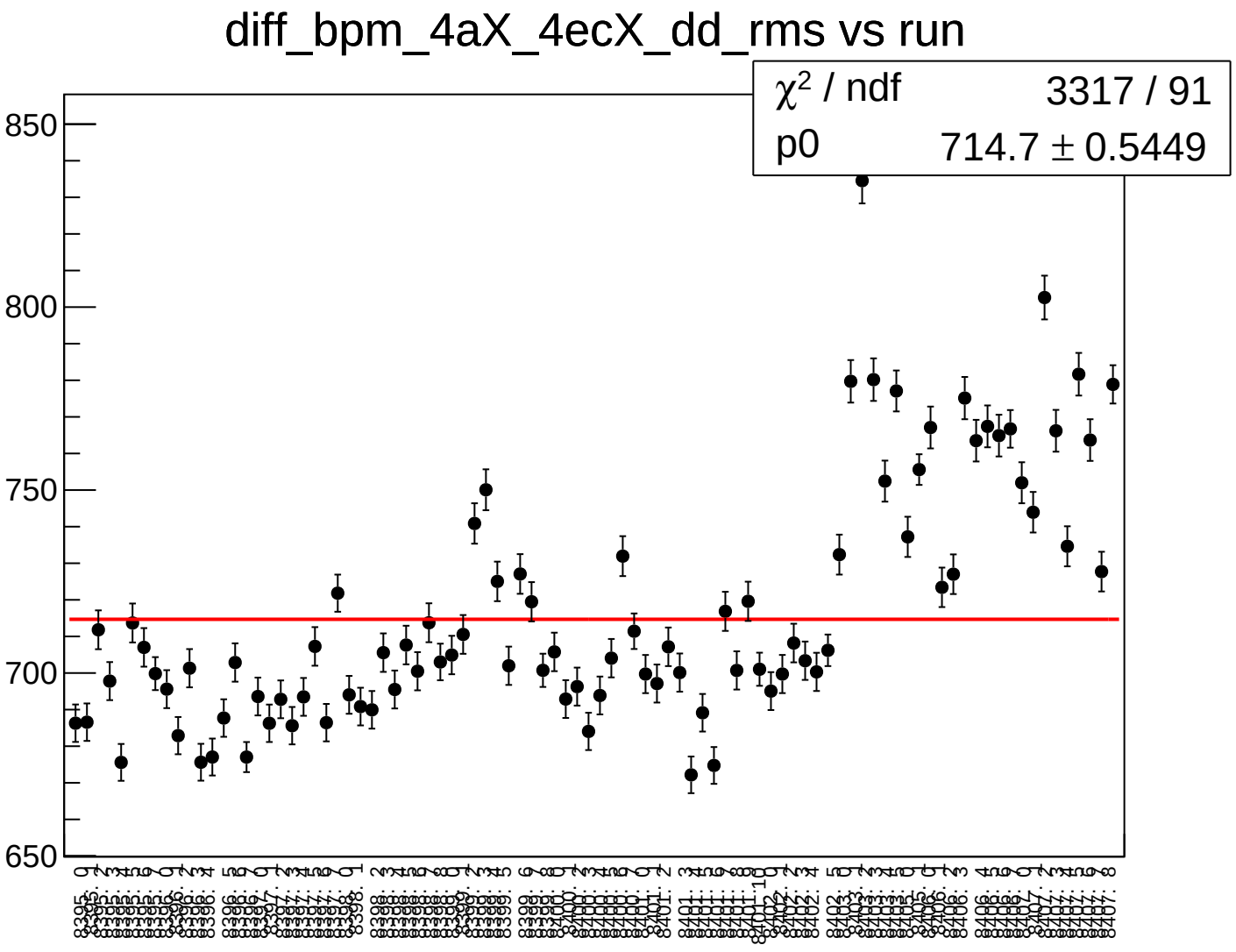

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 78.51 / 91
p0 −19.3 ± 22.7
pull
Entries 92
Mean 195.7
Std Dev 0

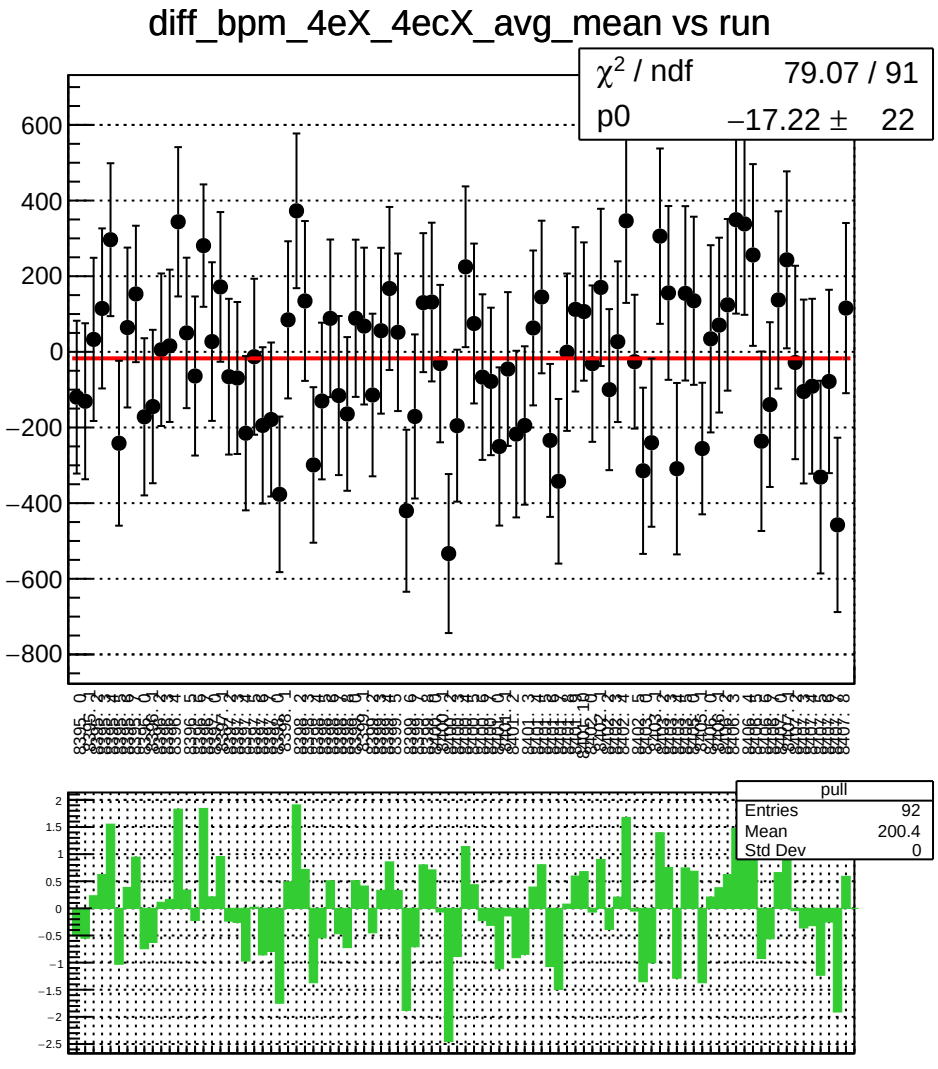

pull1D
Entries 92
Mean −0.003987
Std Dev 0.9237

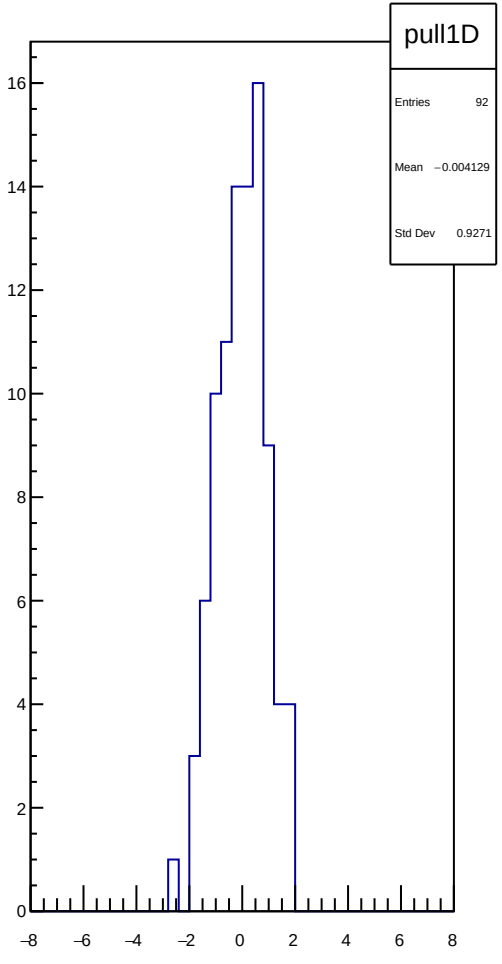

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 6584 / 91
p0 2.103e+04 ± 16.05
25000
24000
23000
22000
21000
20000
19000

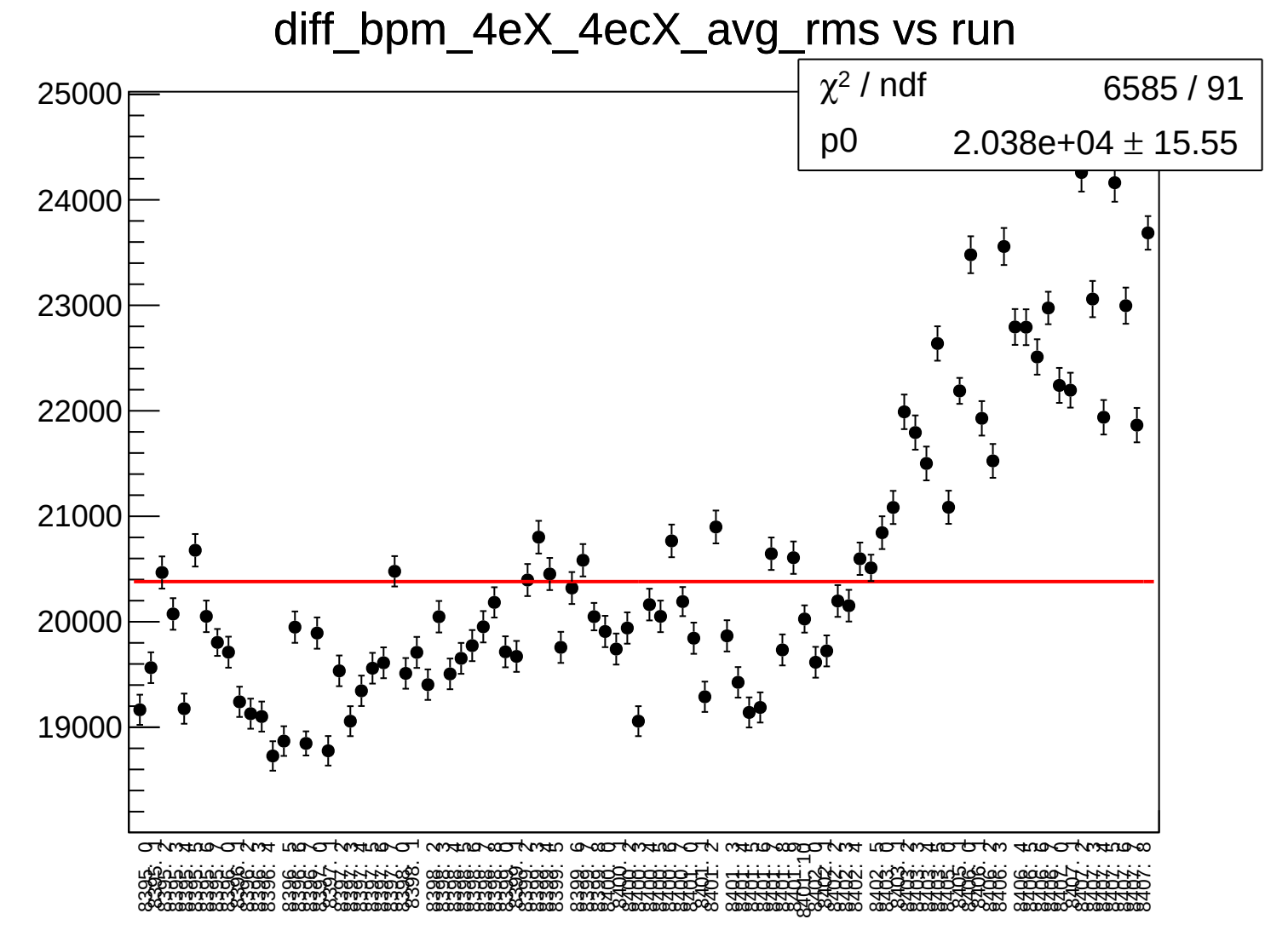

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 80.22 / 91
p0 −1.256 ± 0.7706
pull
Entries 92
Mean −538.5
Std Dev 0

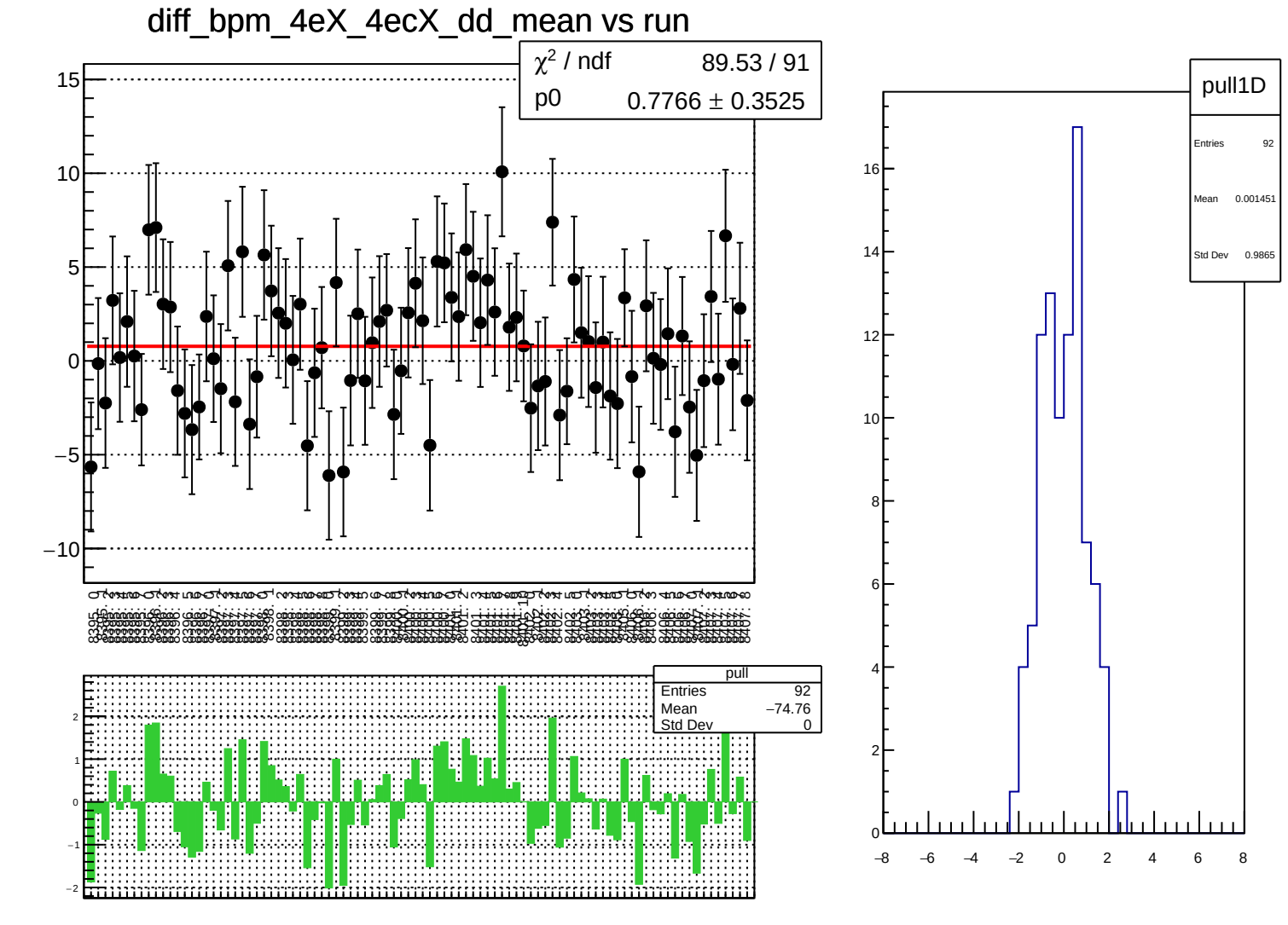

pull1D
Entries 92
Mean −0.001109
Std Dev 0.9338

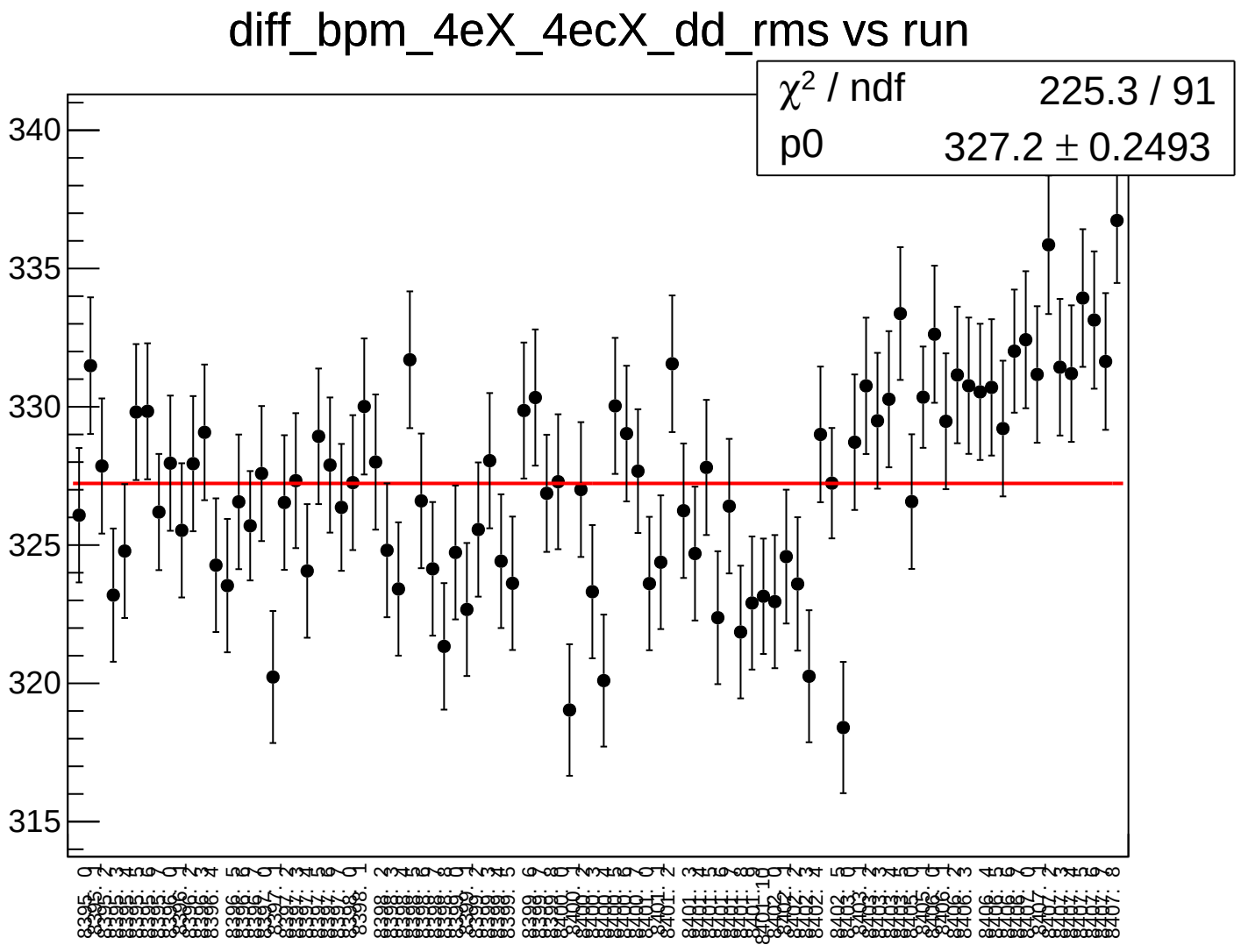

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 3317 / 91
p0 714.7 ± 0.5449
850
800
750
700
650

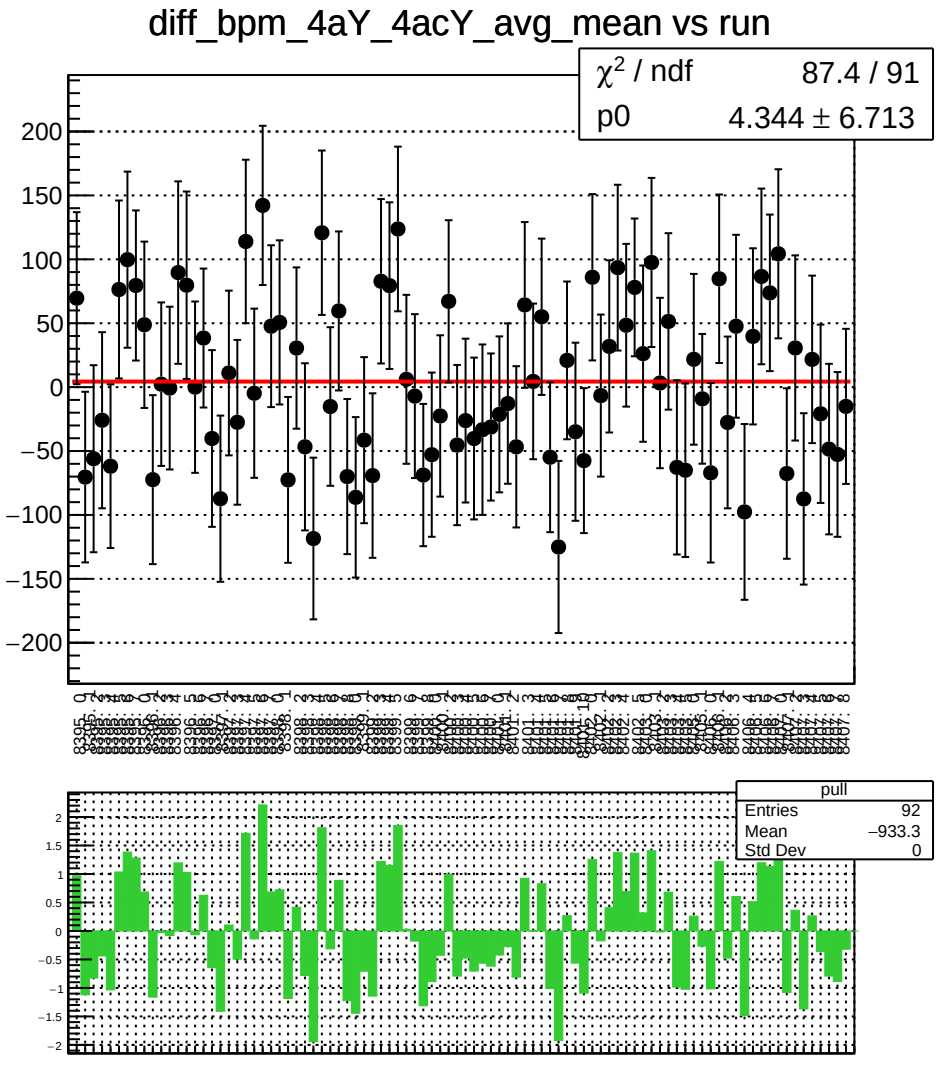

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 79.07 / 91
p0 −17.22 ± 22
pull
Entries 92
Mean 200.4
Std Dev 0

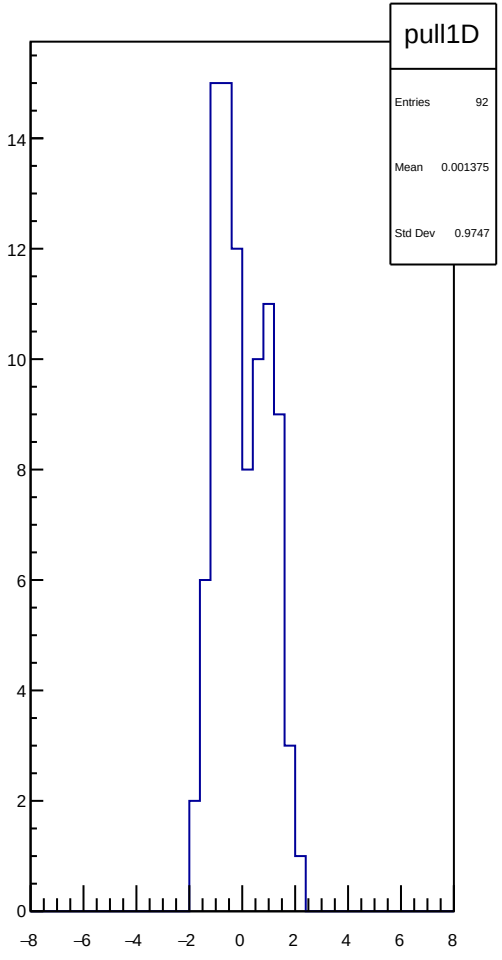

pull1D
Entries 92
Mean −0.004129
Std Dev 0.9271

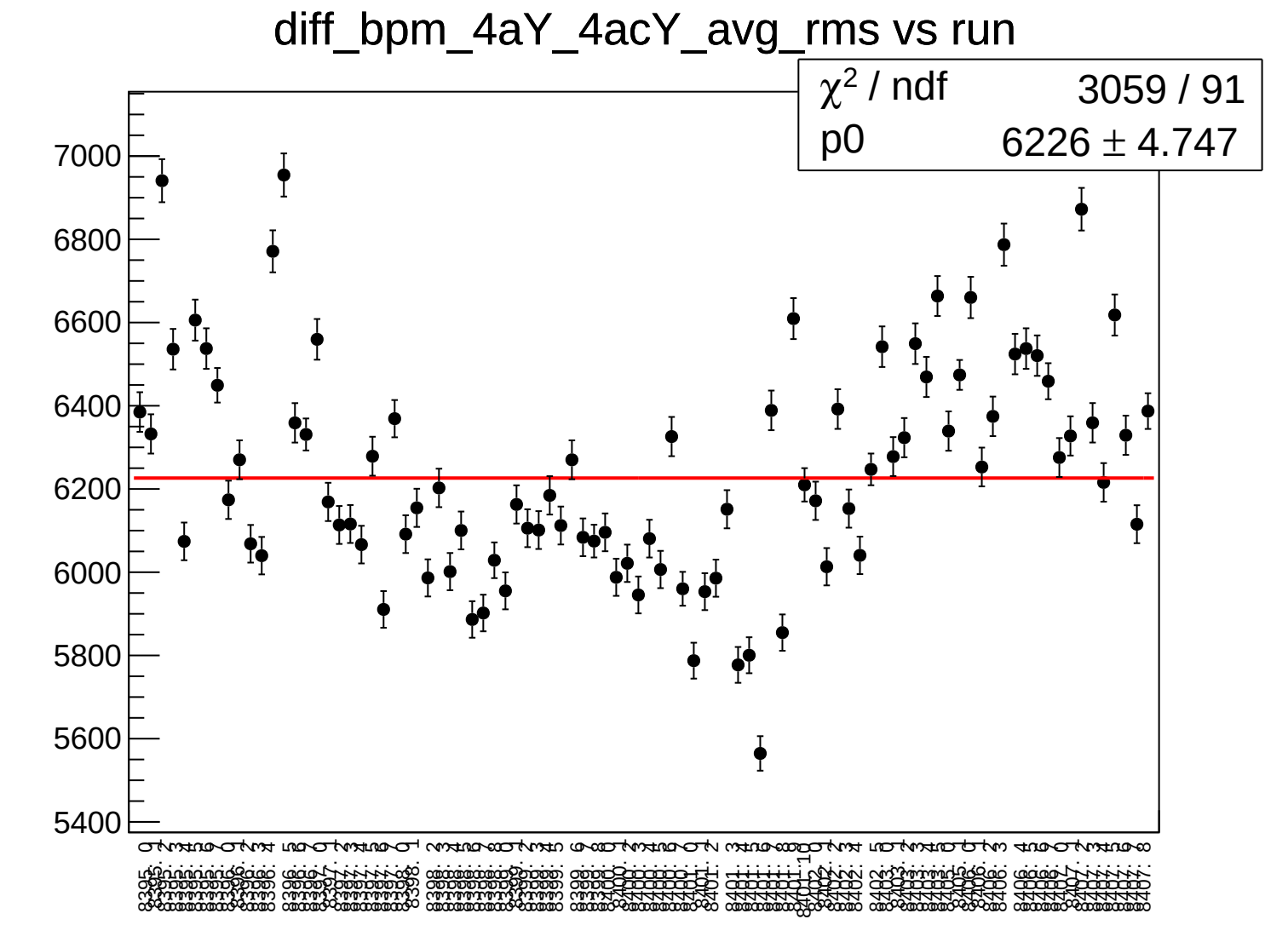

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 6585 / 91
p0 2.038e+04 ± 15.55
25000
24000
23000
22000
21000
20000
19000

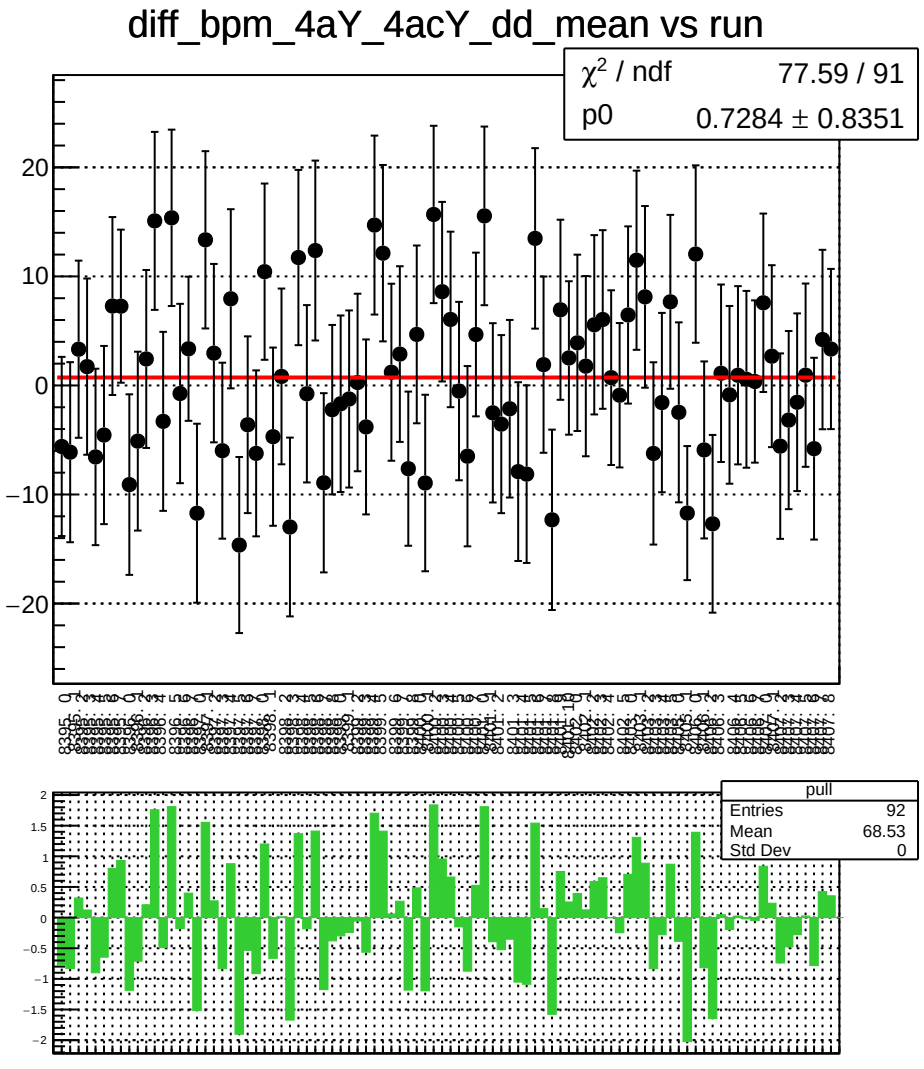

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 89.53 / 91
p0 0.7766 ± 0.3525
pull
Entries 92
Mean −74.76
Std Dev 0
pull1D
Entries 92
Mean 0.001451
Std Dev 0.9865

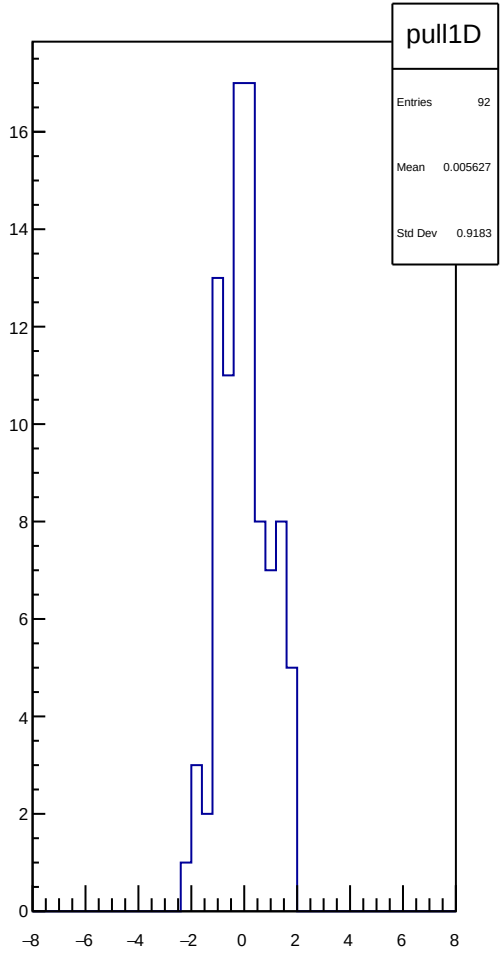

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 225.3 / 91
p0 327.2 ± 0.2493
340
335
330
325
320
315

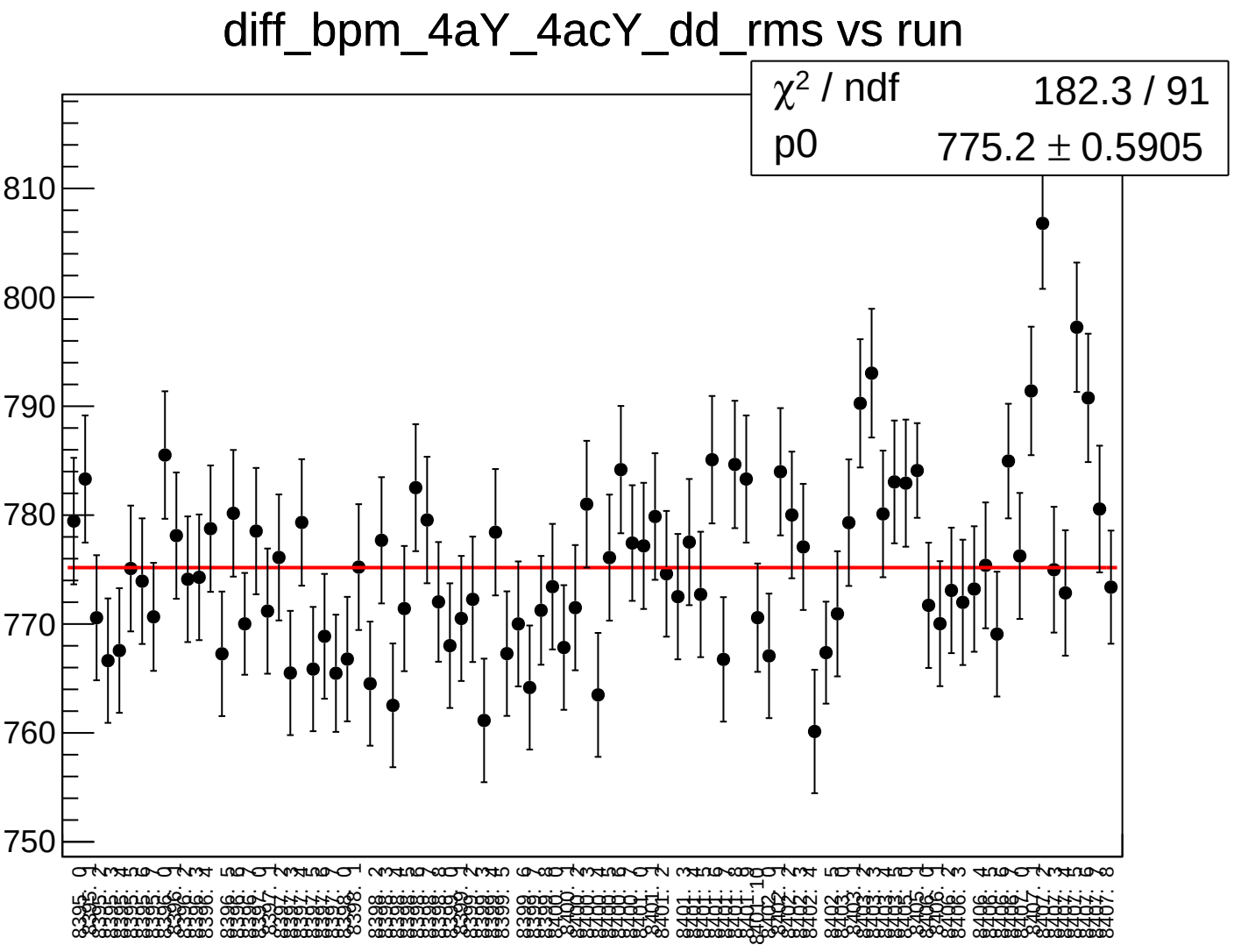

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 87.4 / 91
p0 4.344 ± 6.713
pull
Entries 92
Mean −933.3
Std Dev 0

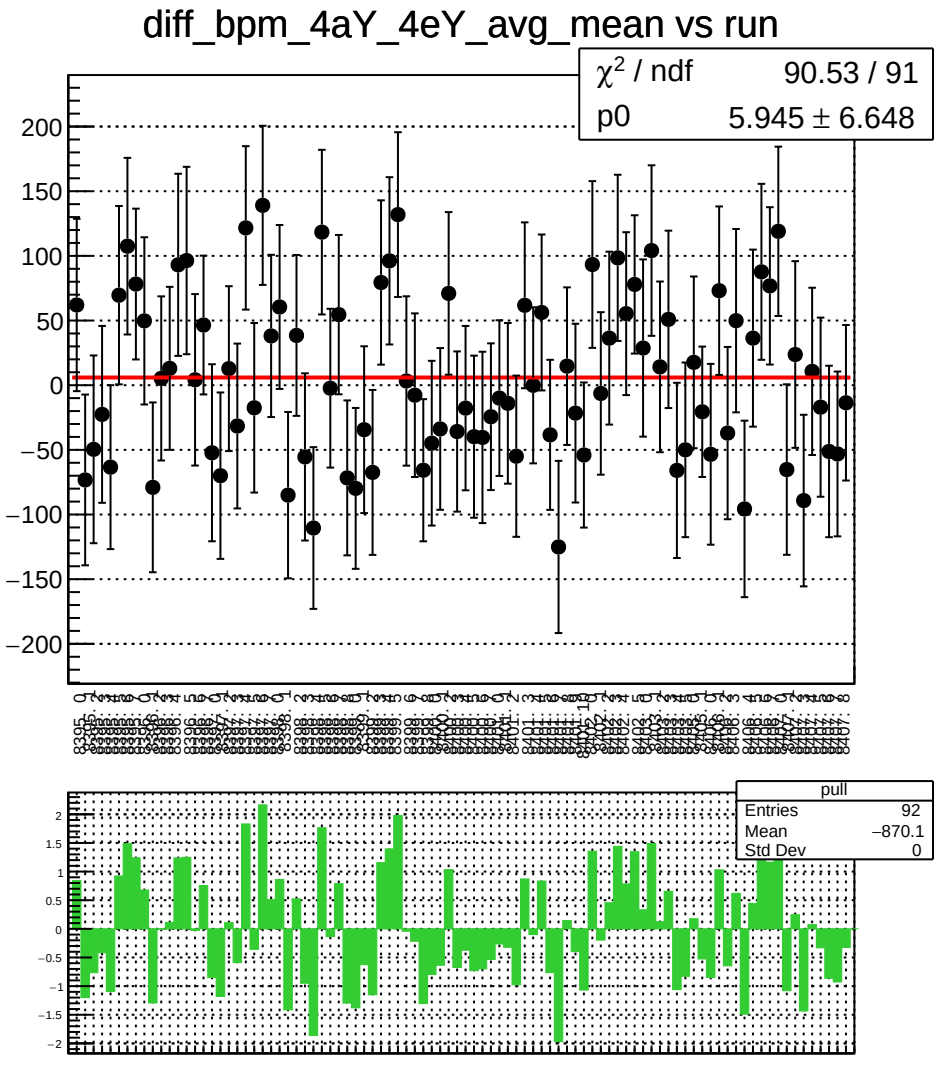

pull1D
Entries 92
Mean 0.001375
Std Dev 0.9747

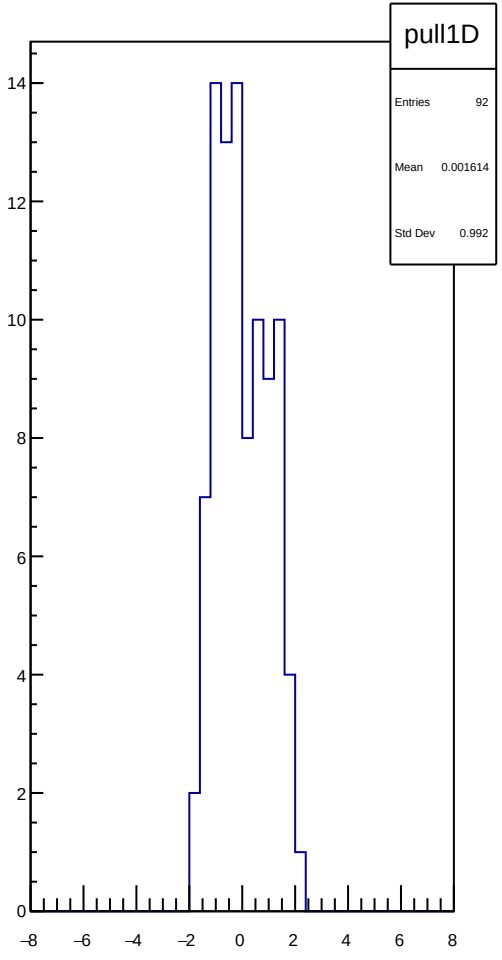

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 3059 / 91
p0 6226 ± 4.747
7000
6800
6600
6400
6200
6000
5800
5600
5400

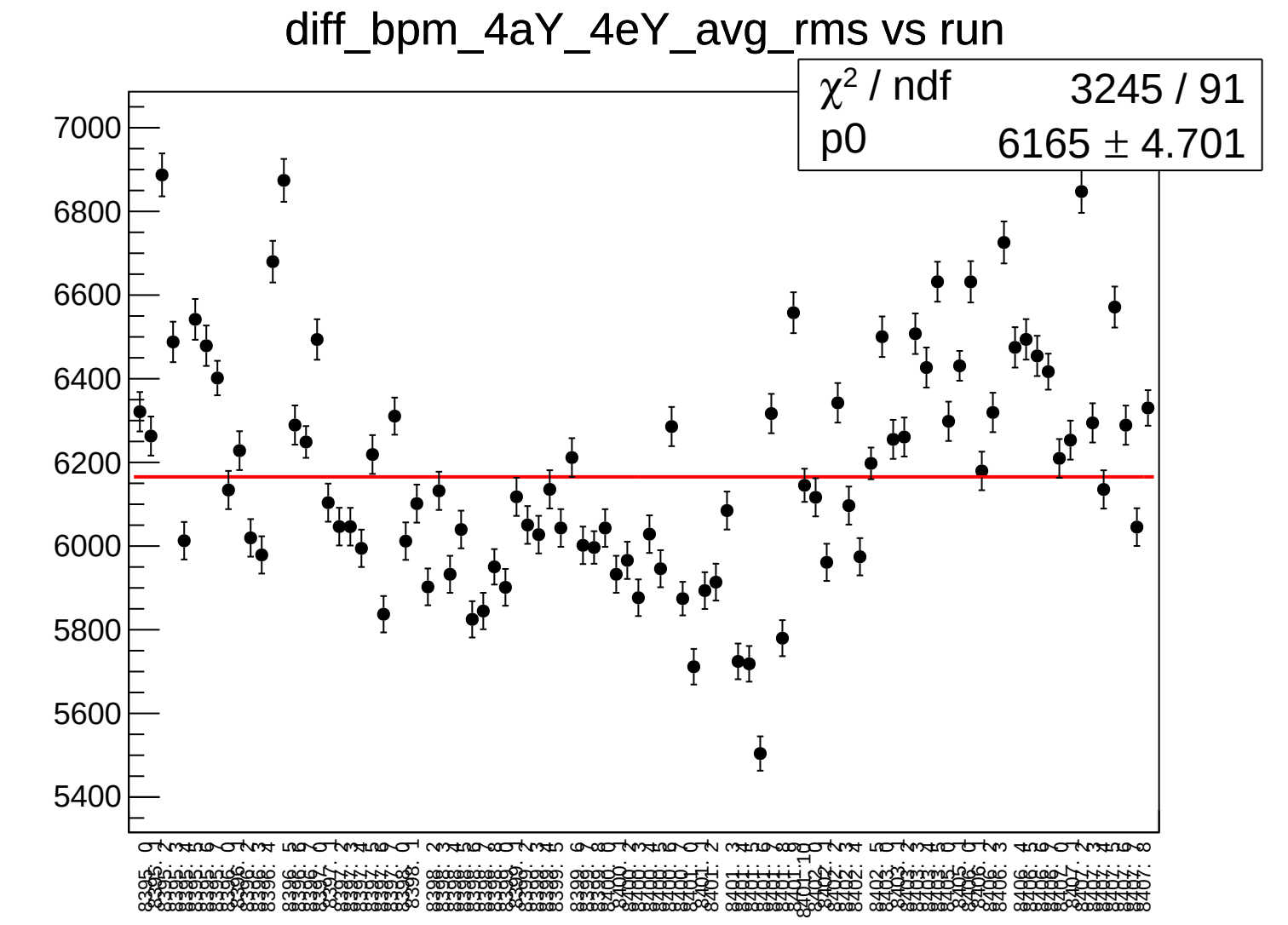

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 77.59 / 91
p0 0.7284 ± 0.8351
pull
Entries 92
Mean 68.53
Std Dev 0

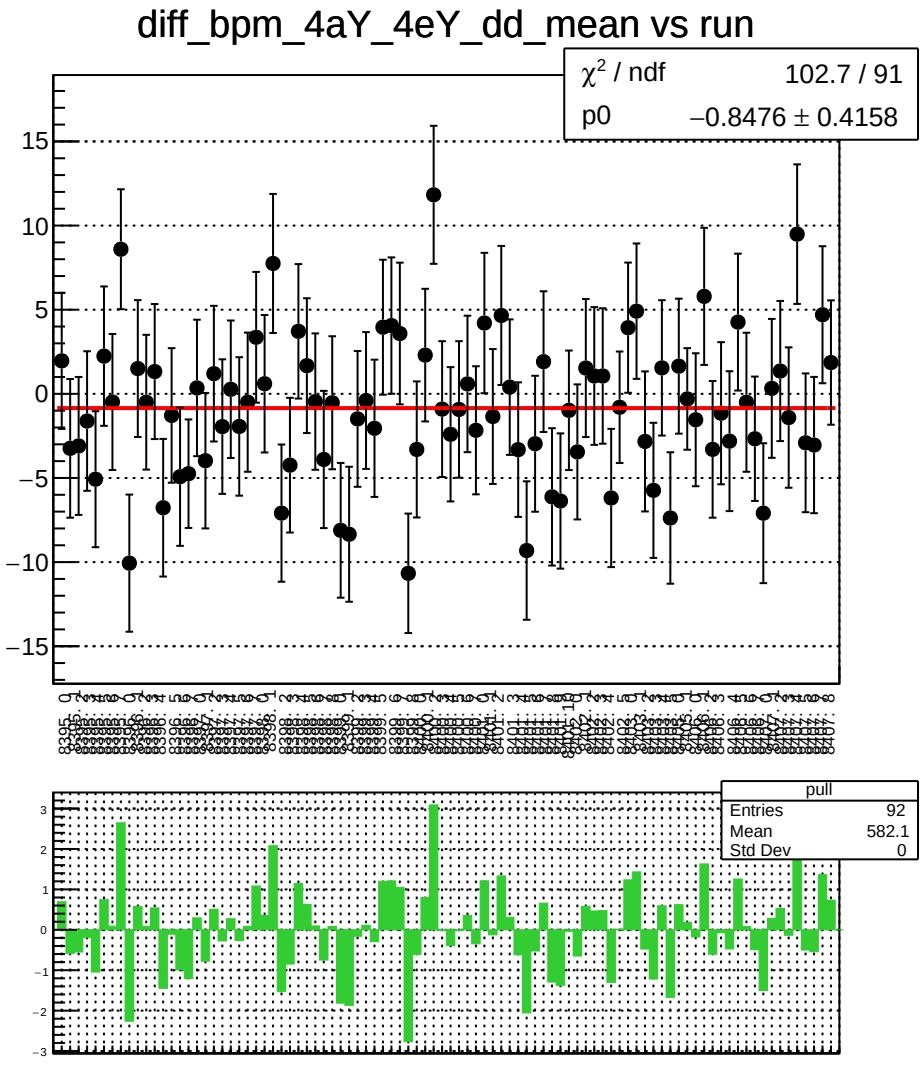

pull1D
Entries 92
Mean 0.005627
Std Dev 0.9183

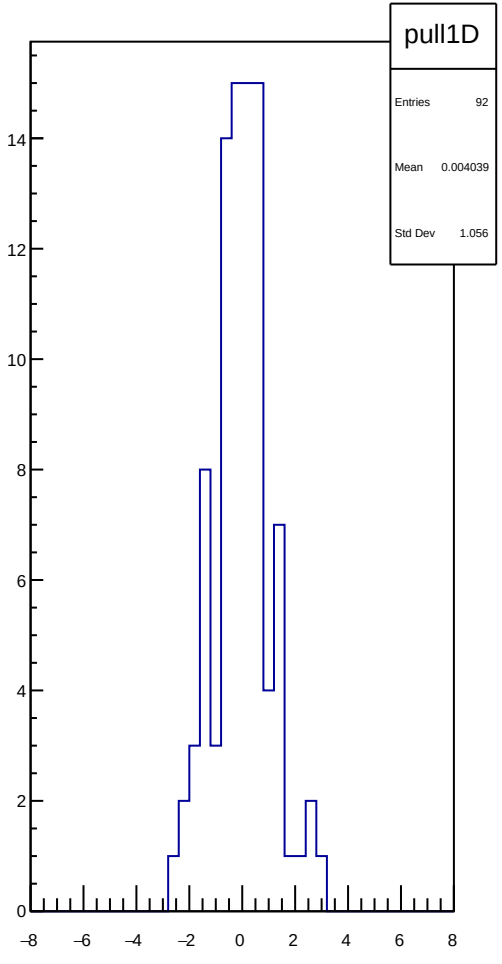

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 182.3 / 91
p0 775.2 ± 0.5905
810
800
790
780
770
760
750

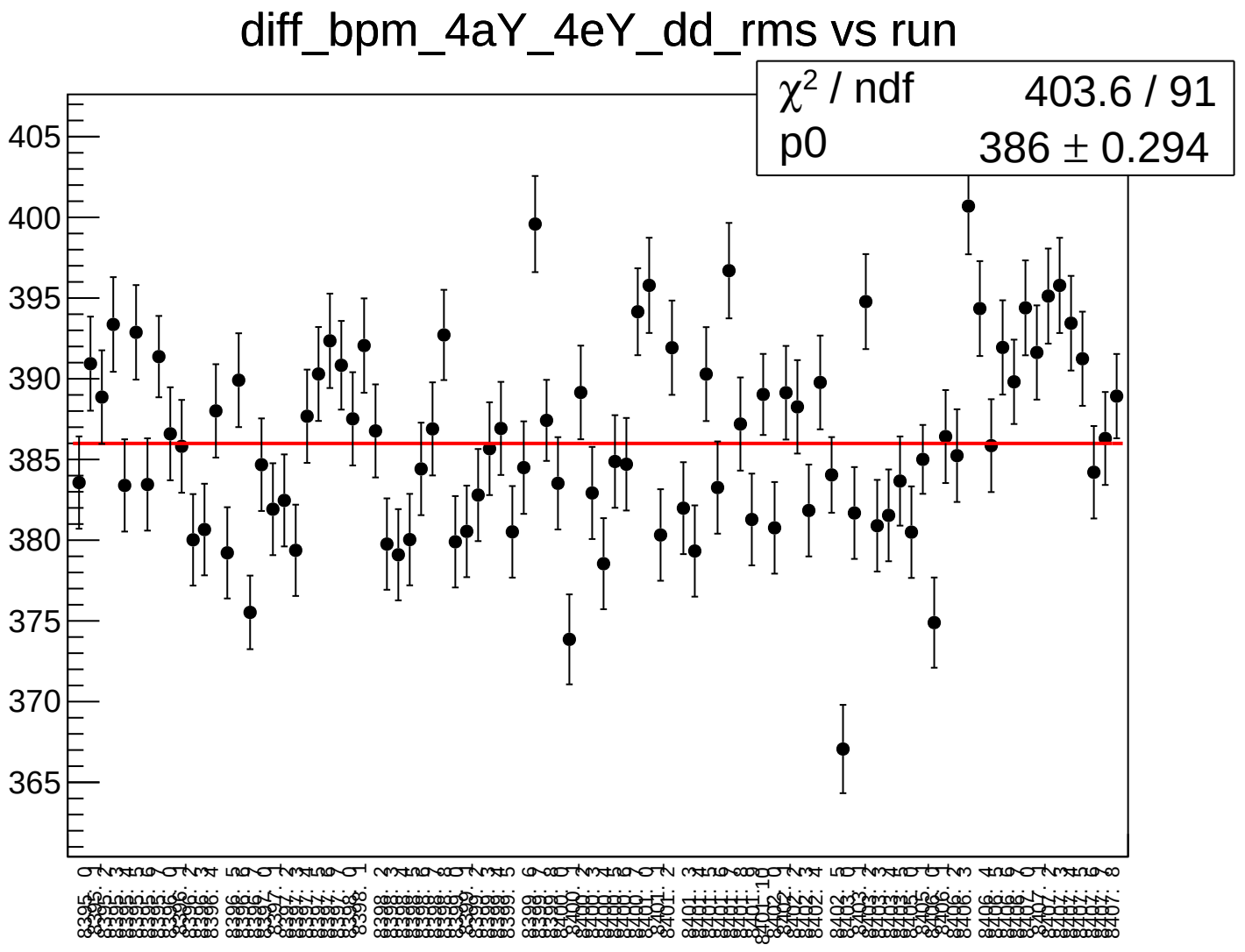

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 90.53 / 91
p0 5.945 ± 6.648
pull
Entries 92
Mean −870.1
Std Dev 0

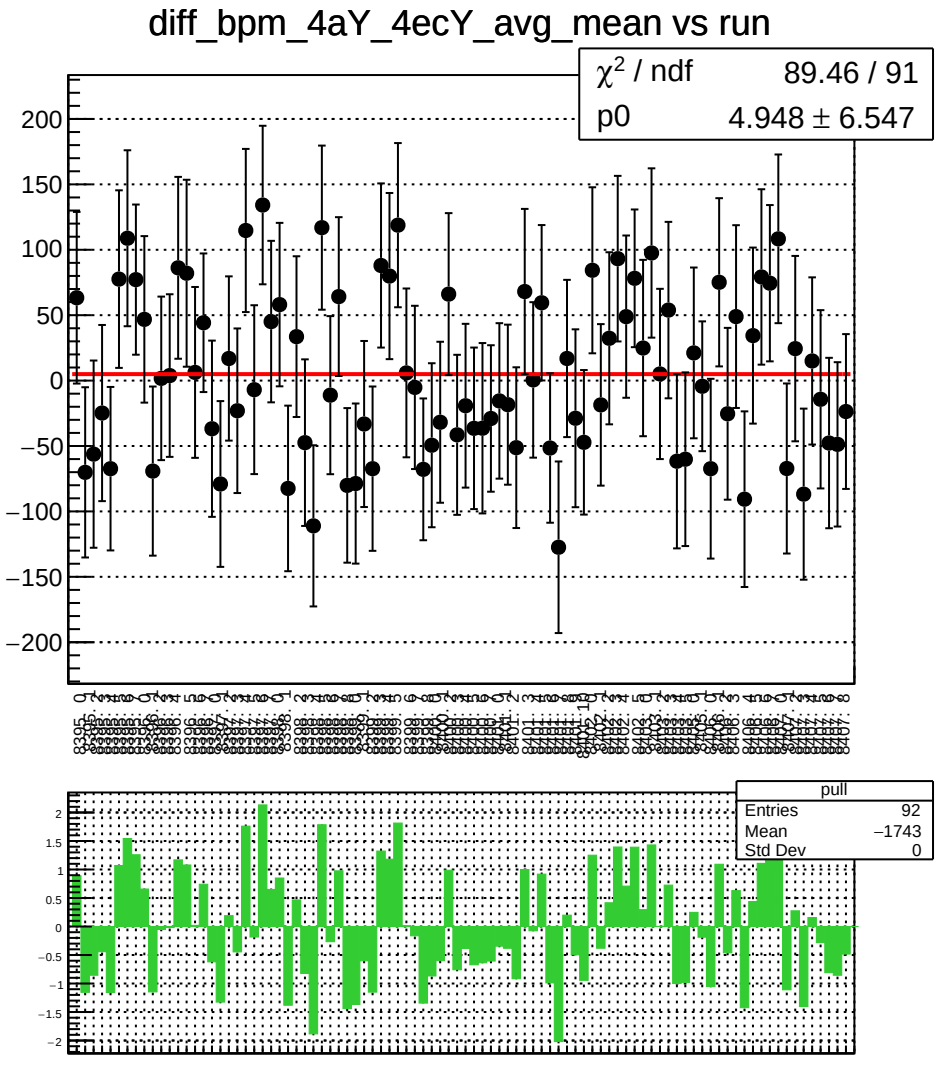

pull1D
Entries 92
Mean 0.001614
Std Dev 0.992

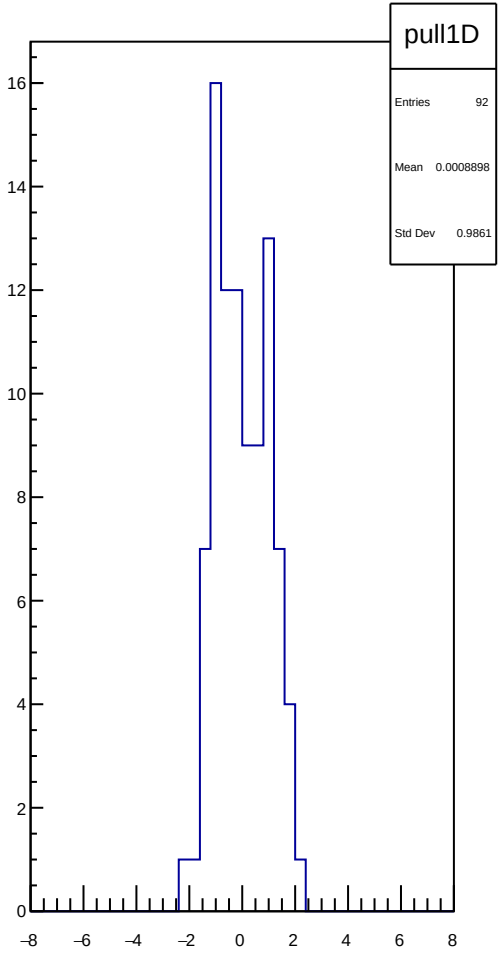

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 3245 / 91
p0 6165 ± 4.701
7000
6800
6600
6400
6200
6000
5800
5600
5400

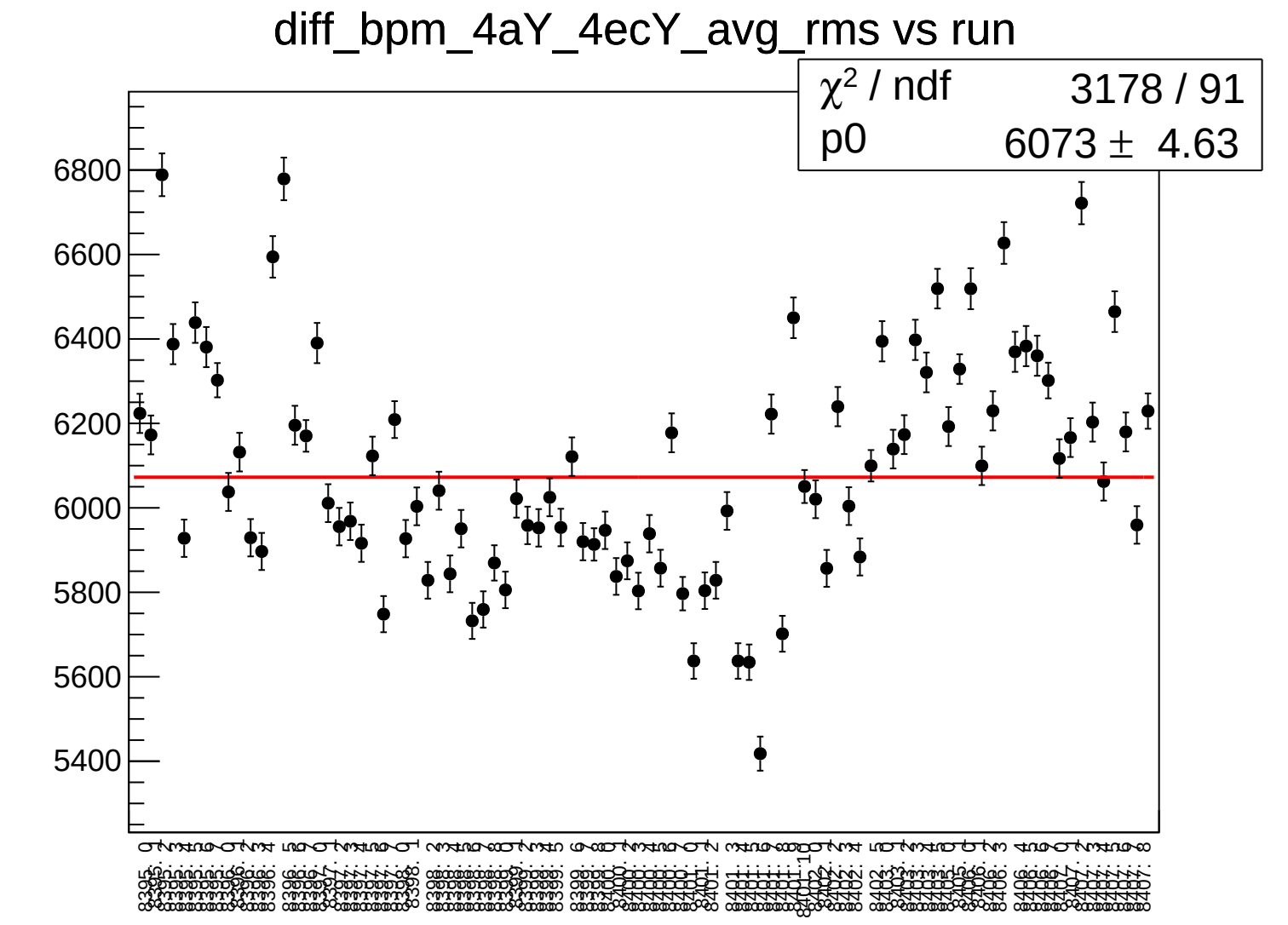

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 102.7 / 91
p0 −0.8476 ± 0.4158
pull
Entries 92
Mean 582.1
Std Dev 0

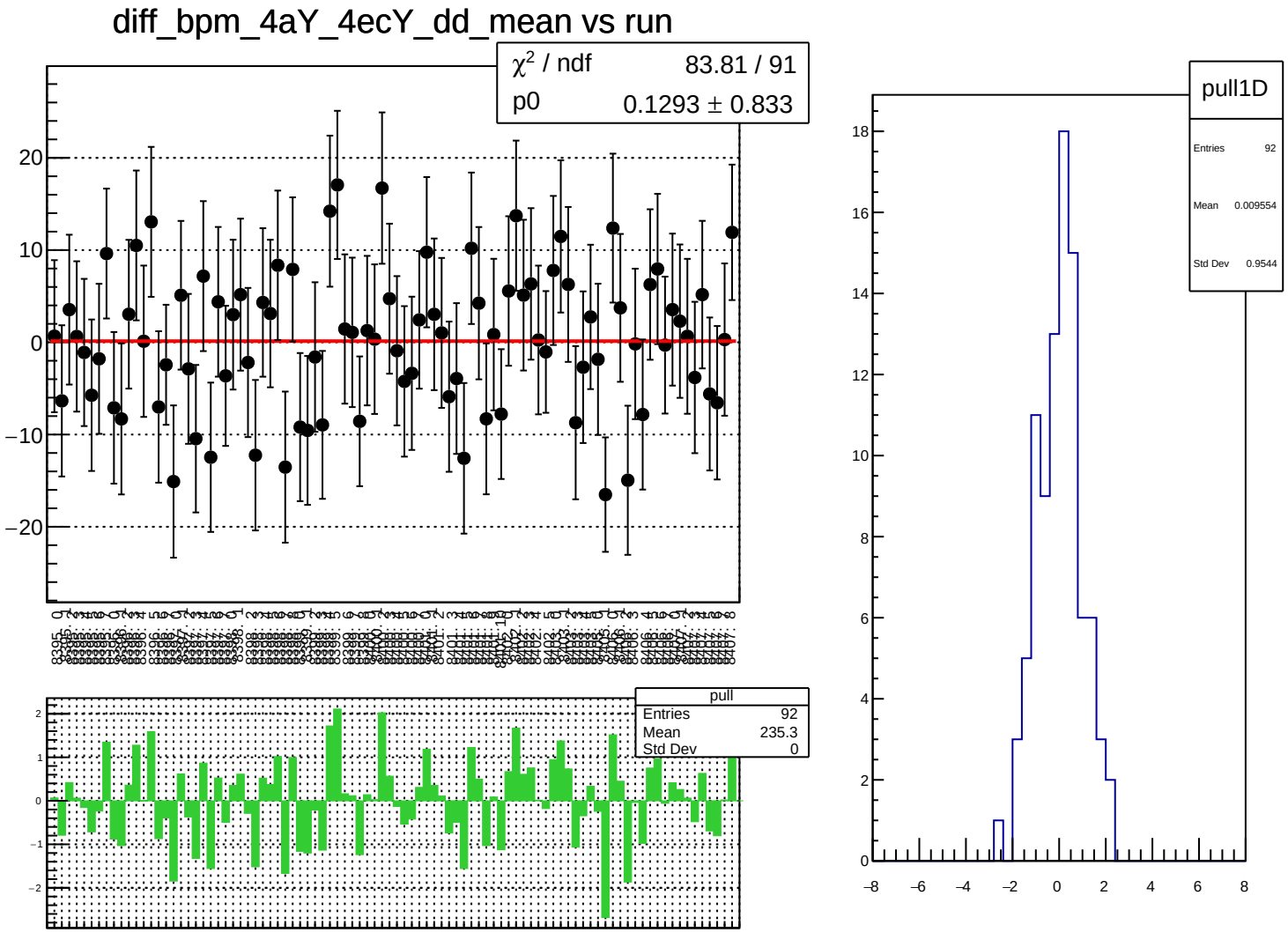

pull1D
Entries 92
Mean 0.004039
Std Dev 1.056

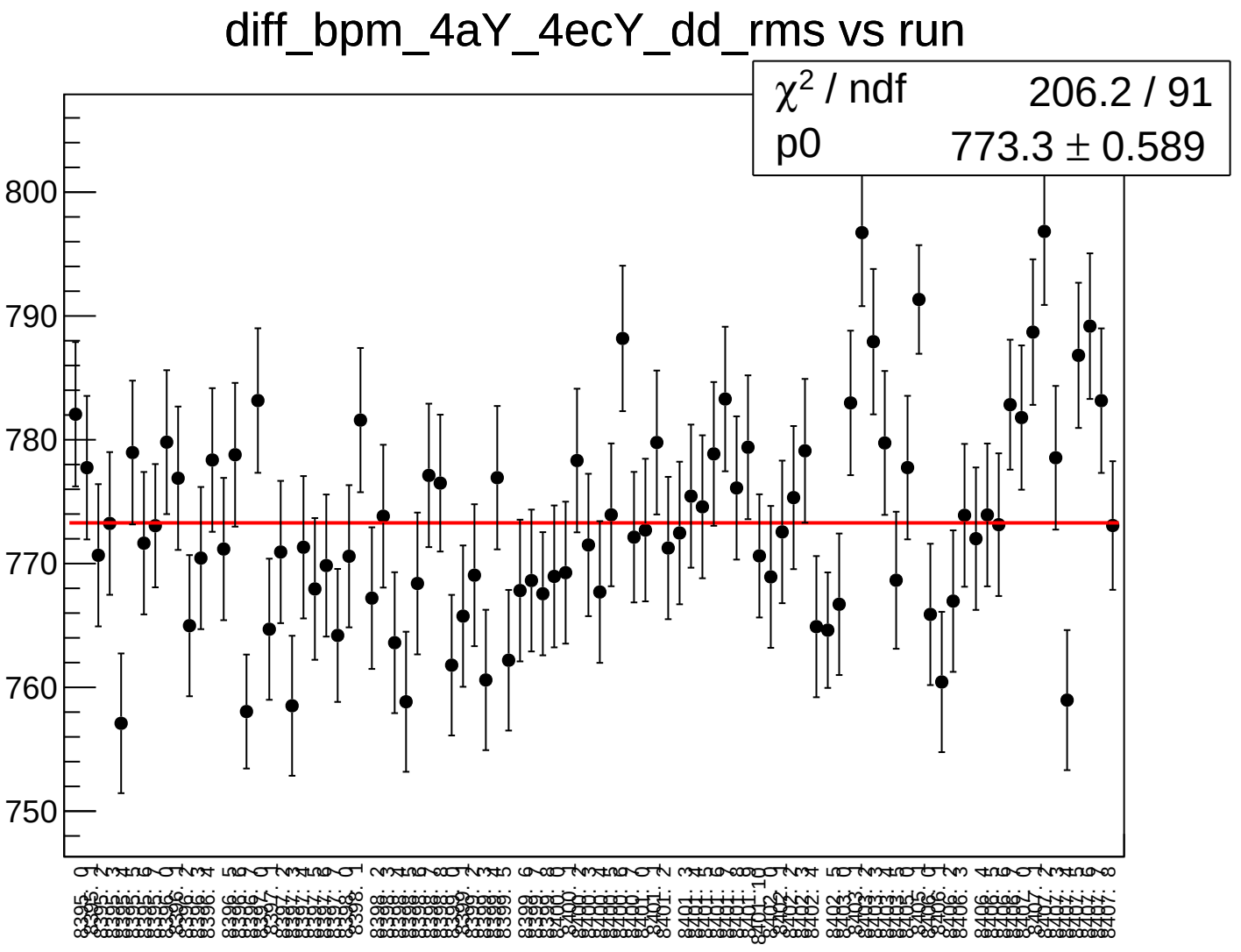

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 403.6 / 91
p0 386 ± 0.294
405
400
395
390
385
380
375
370
365

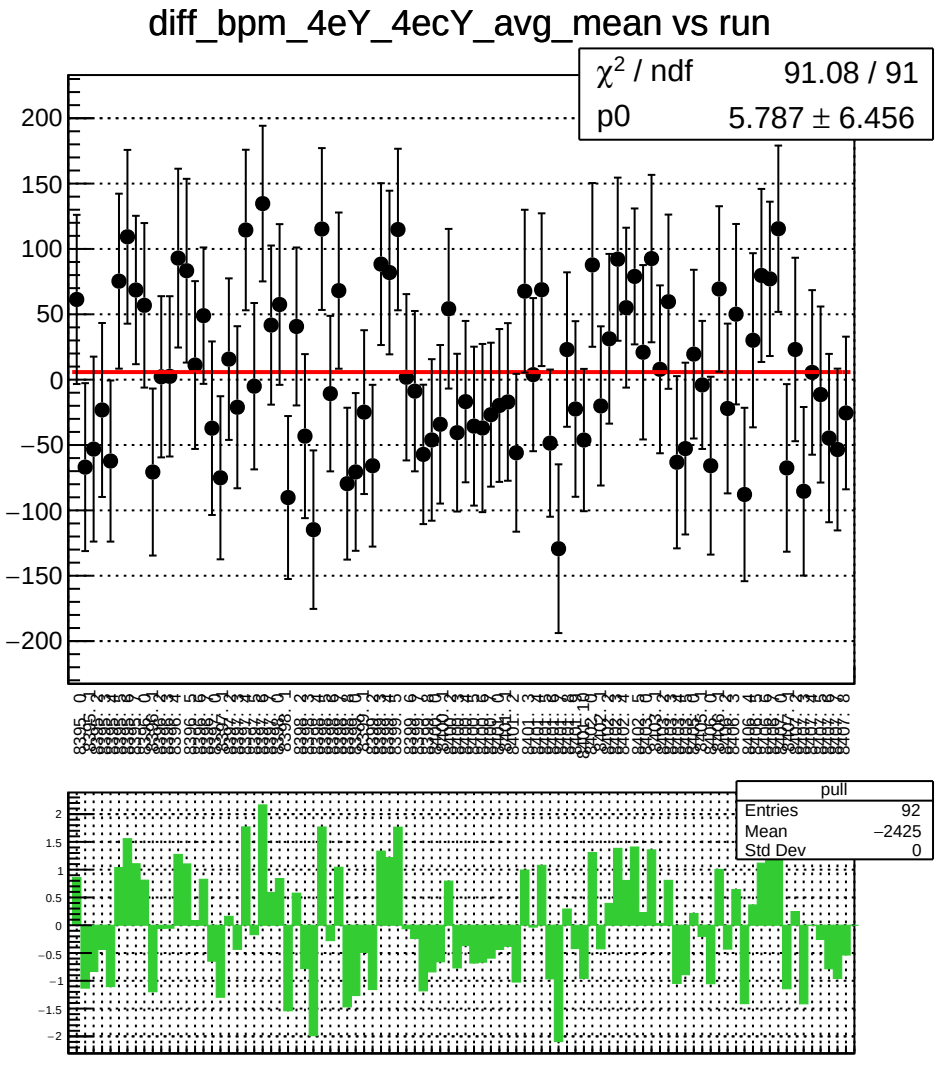

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 89.46 / 91
p0 4.948 ± 6.547
pull
Entries 92
Mean −1743
Std Dev 0

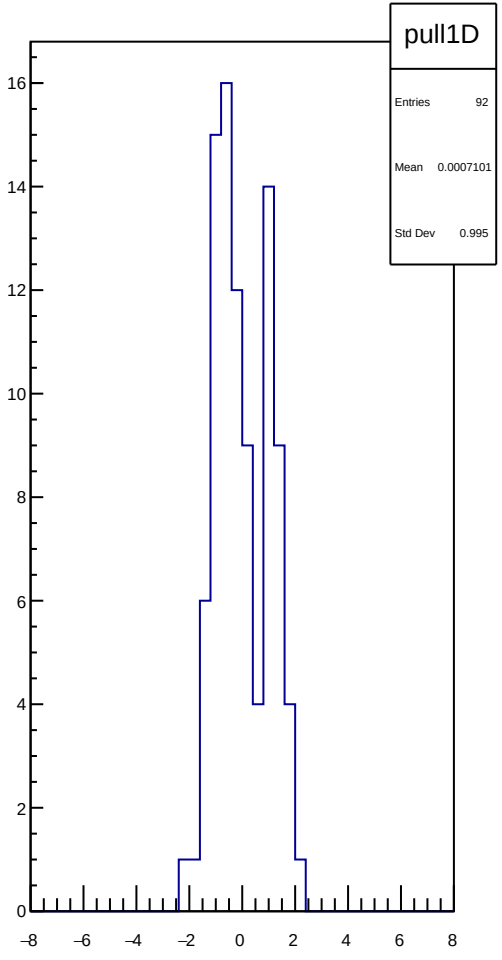

pull1D
Entries 92
Mean 0.0008898
Std Dev 0.9861

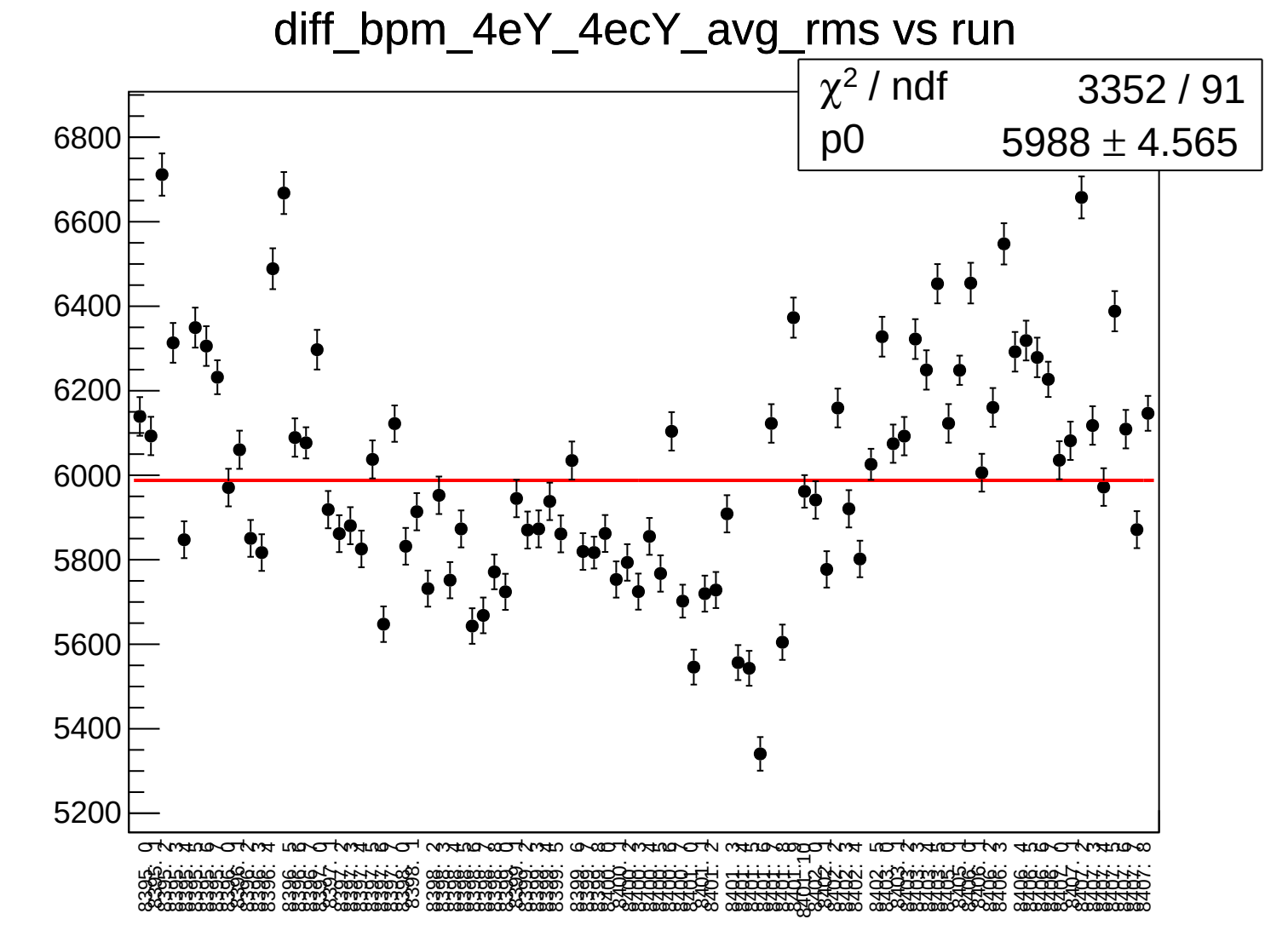

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 3178 / 91
p0 6073 ± 4.63
6800
6600
6400
6200
6000
5800
5600
5400

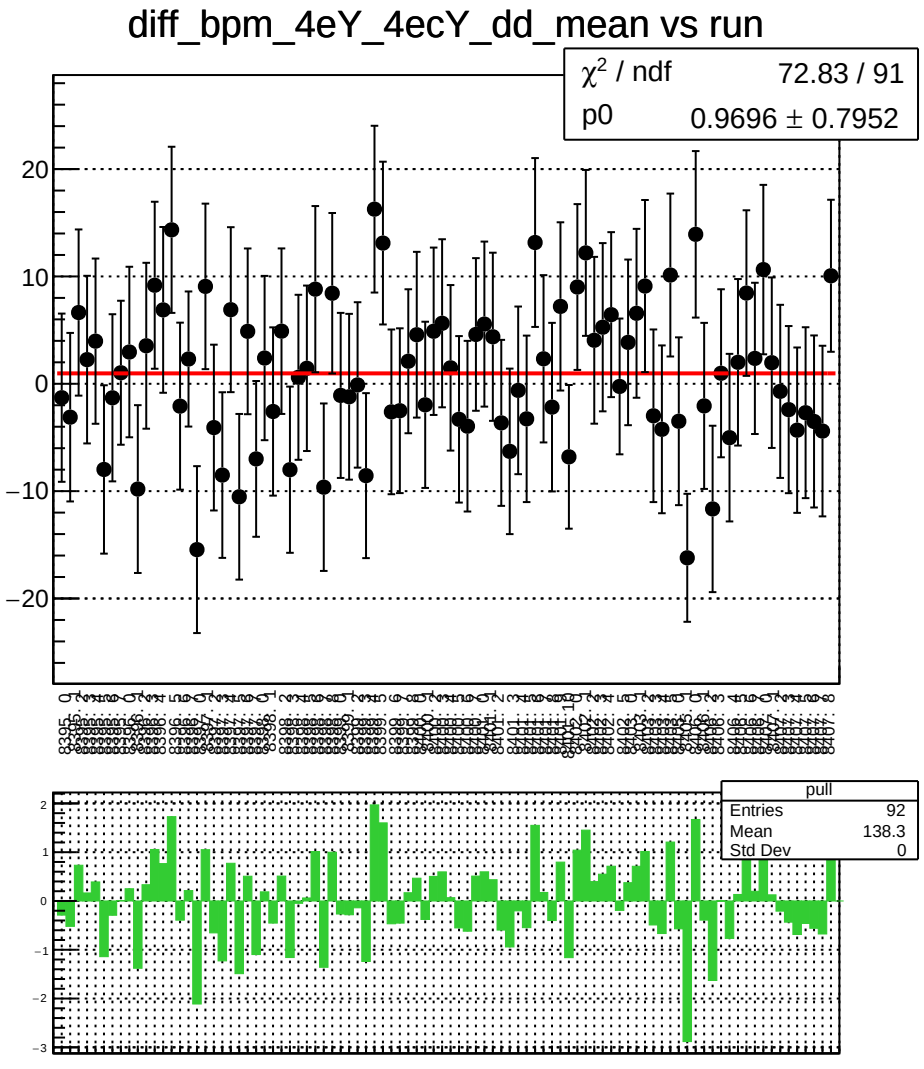

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 83.81 / 91
p0 0.1293 ± 0.833
pull
Entries 92
Mean 235.3
Std Dev 0
pull1D
Entries 92
Mean 0.009554
Std Dev 0.9544

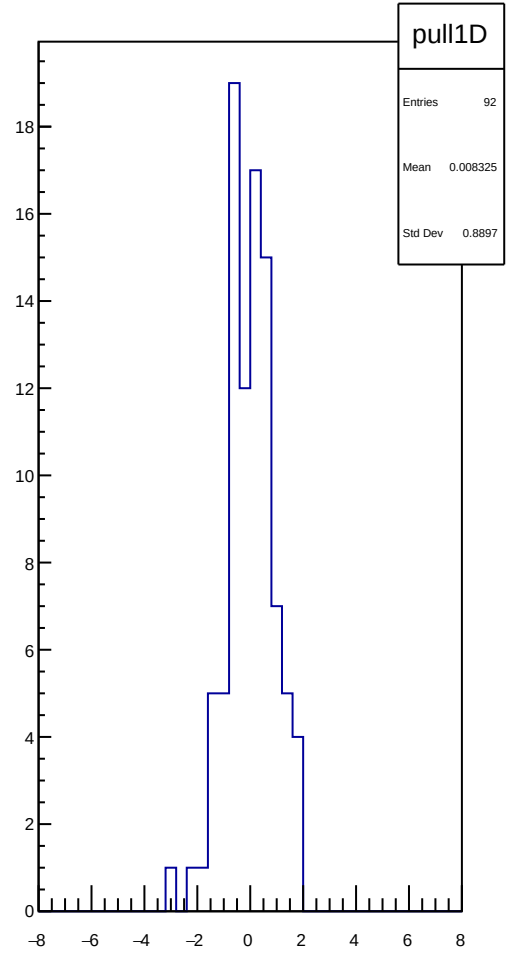

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 206.2 / 91
p0 773.3 ± 0.589
800
790
780
770
760
750

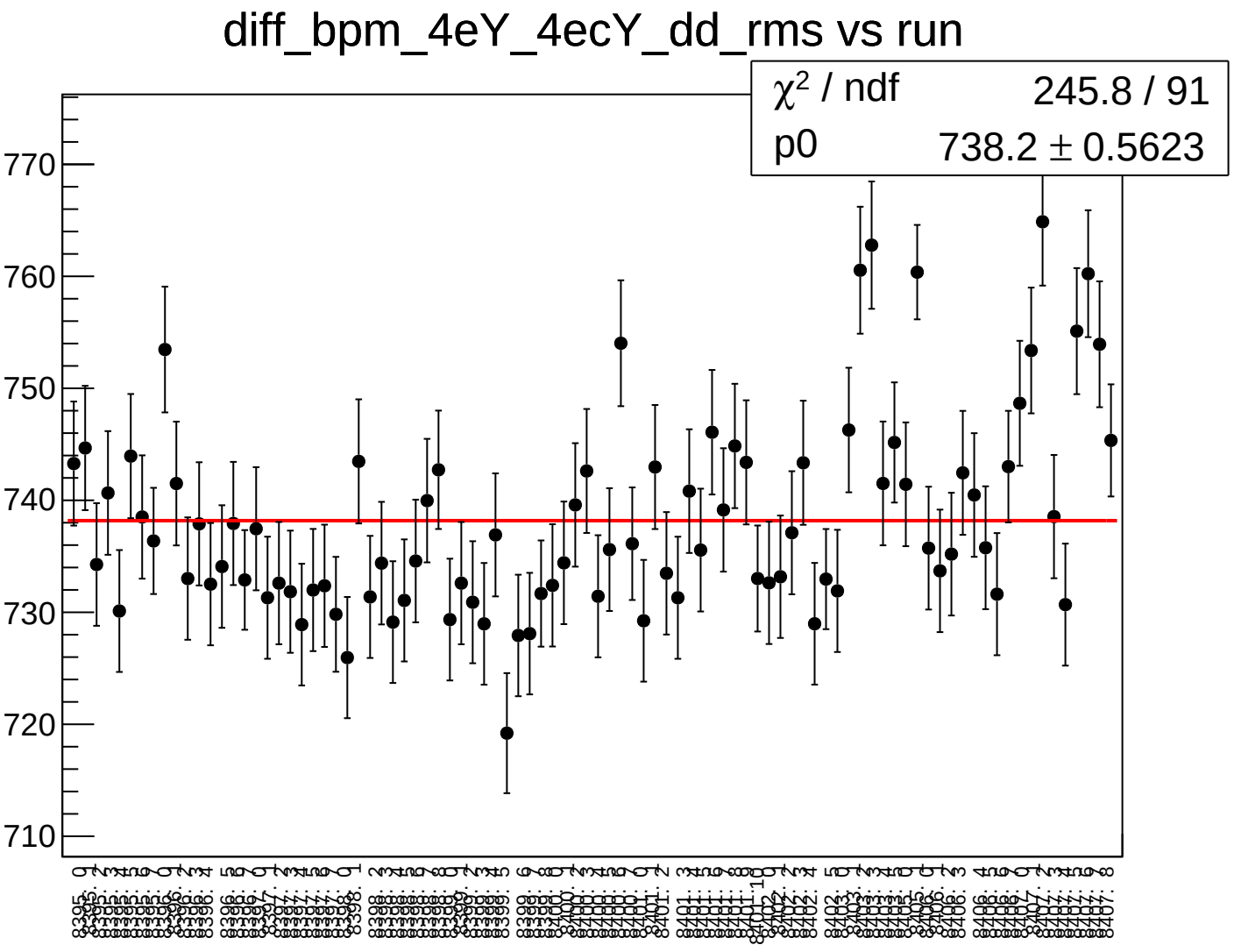

diff_bpm_4eY_4ecY_avg_mean vs run
$\chi^2$ / ndf 91.08 / 91
p0 5.787 ± 6.456
pull
Entries 92
Mean −2425
Std Dev 0

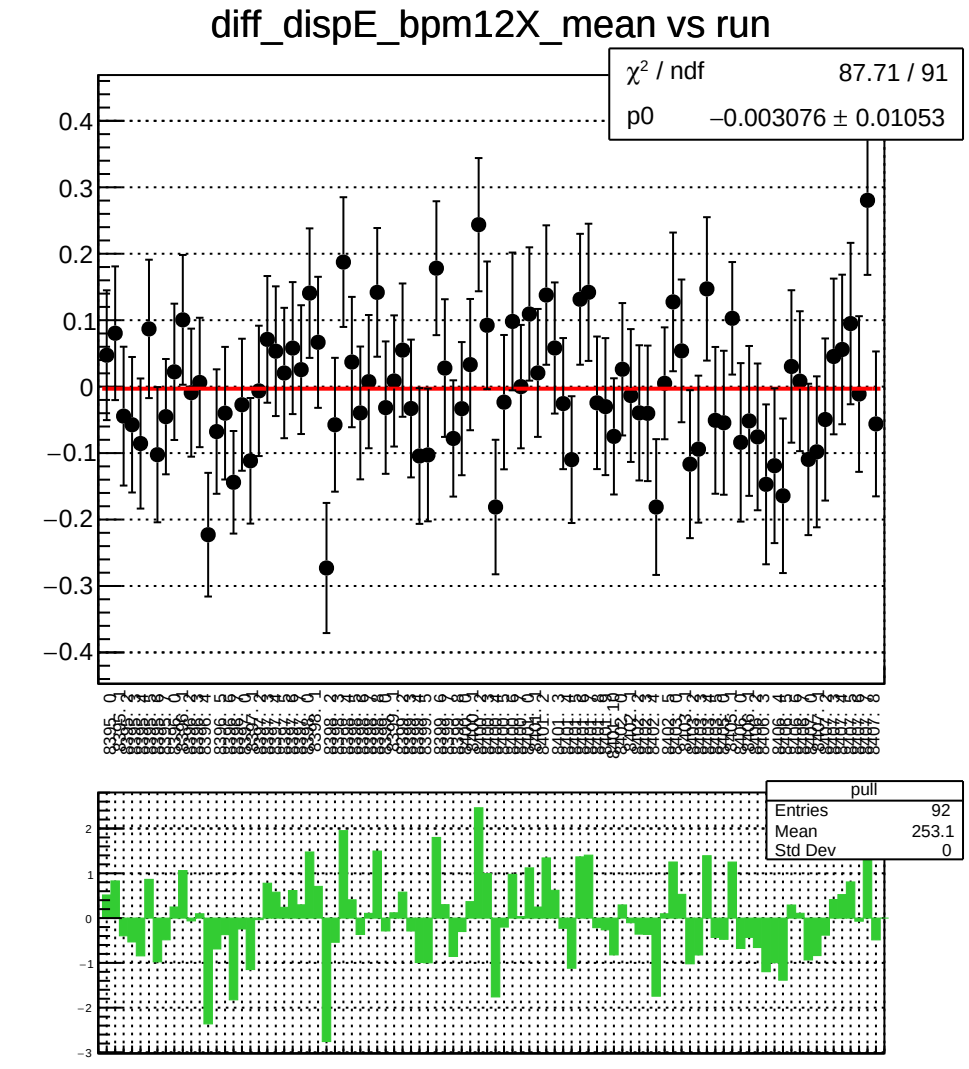

pull1D
Entries 92
Mean 0.0007101
Std Dev 0.995

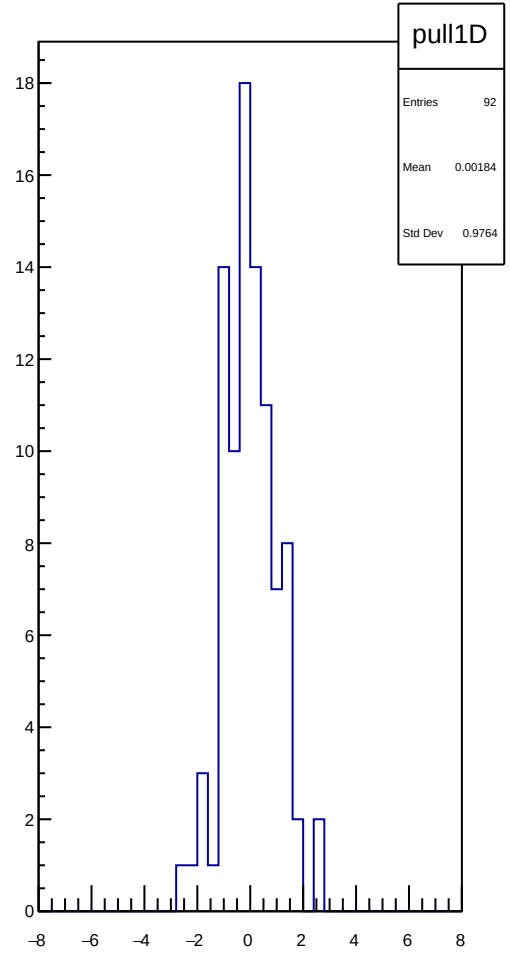

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 3352 / 91
p0 5988 ± 4.565
6800
6600
6400
6200
6000
5800
5600
5400
5200

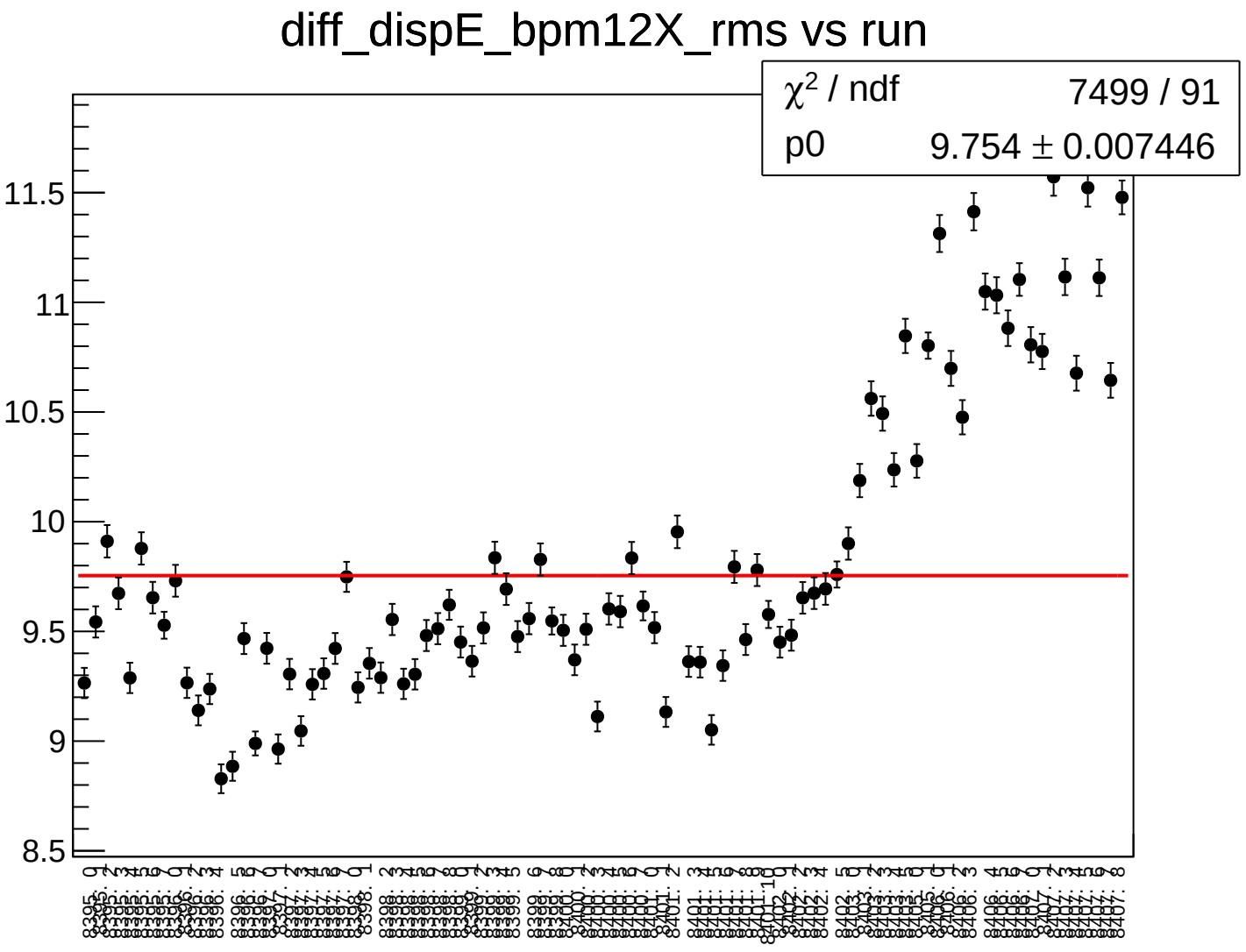

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 72.83 / 91
p0 0.9696 ± 0.7952
pull
Entries 92
Mean 138.3
Std Dev 0

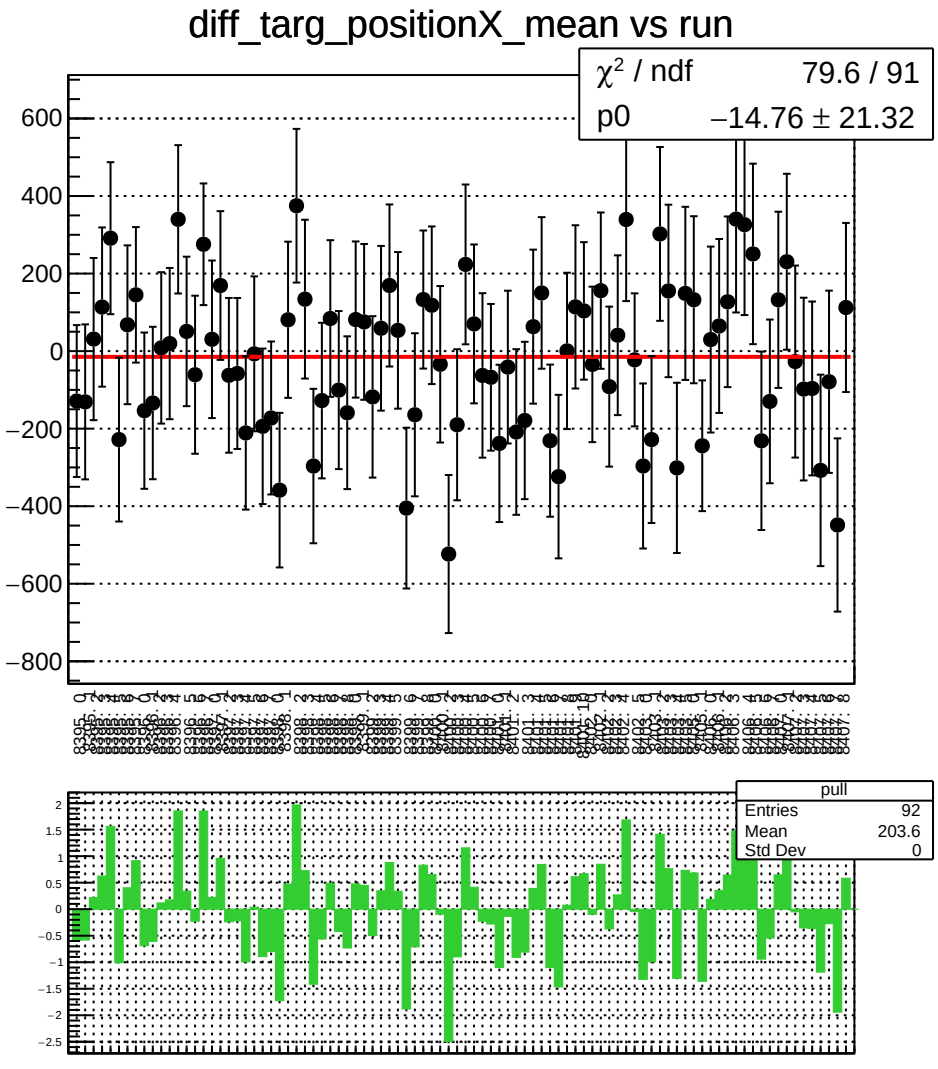

pull1D
Entries 92
Mean 0.008325
Std Dev 0.8897

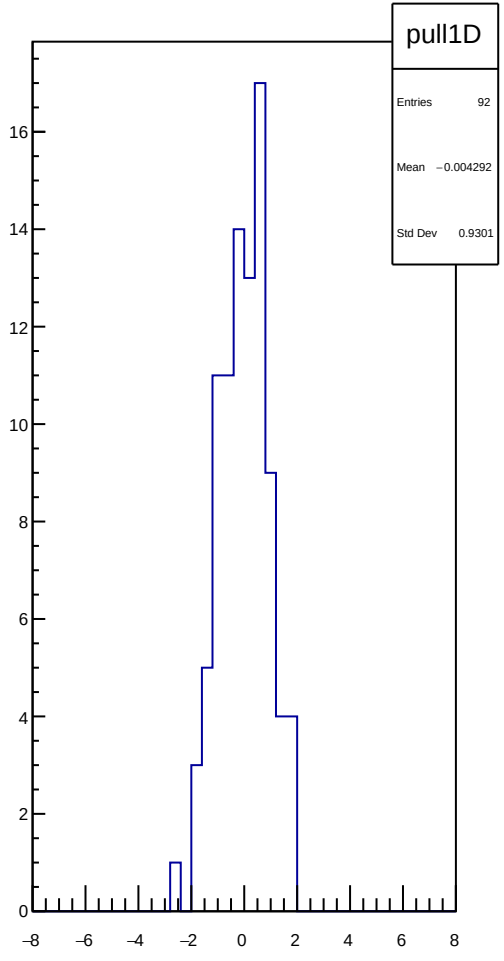

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 245.8 / 91
p0 738.2 ± 0.5623
770
760
750
740
730
720
710

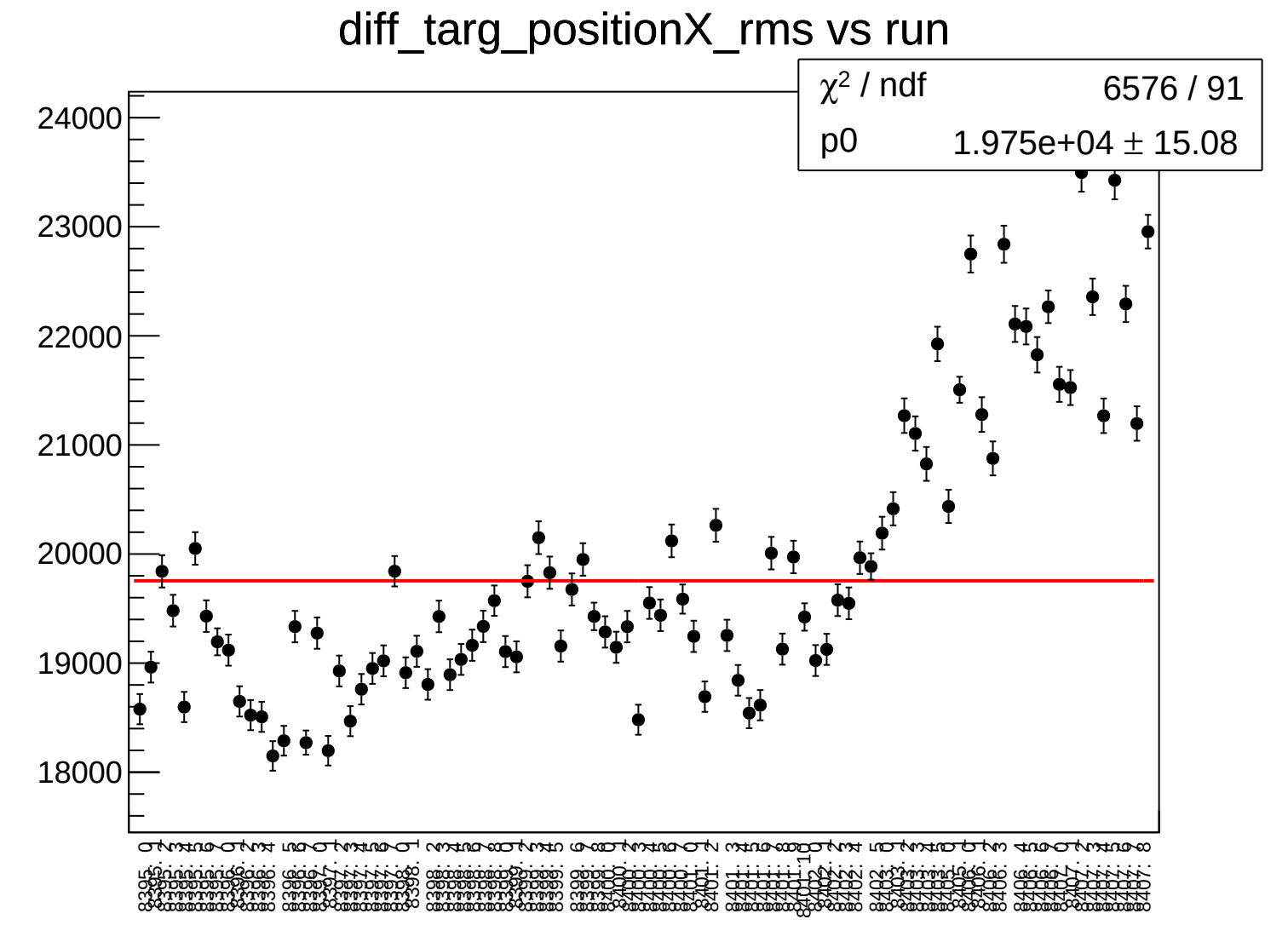

diff_dispE_bpm12X_mean vs run
χ² / ndf 87.71 / 91
p0 −0.003076 ± 0.01053
pull
Entries 92
Mean 253.1
Std Dev 0

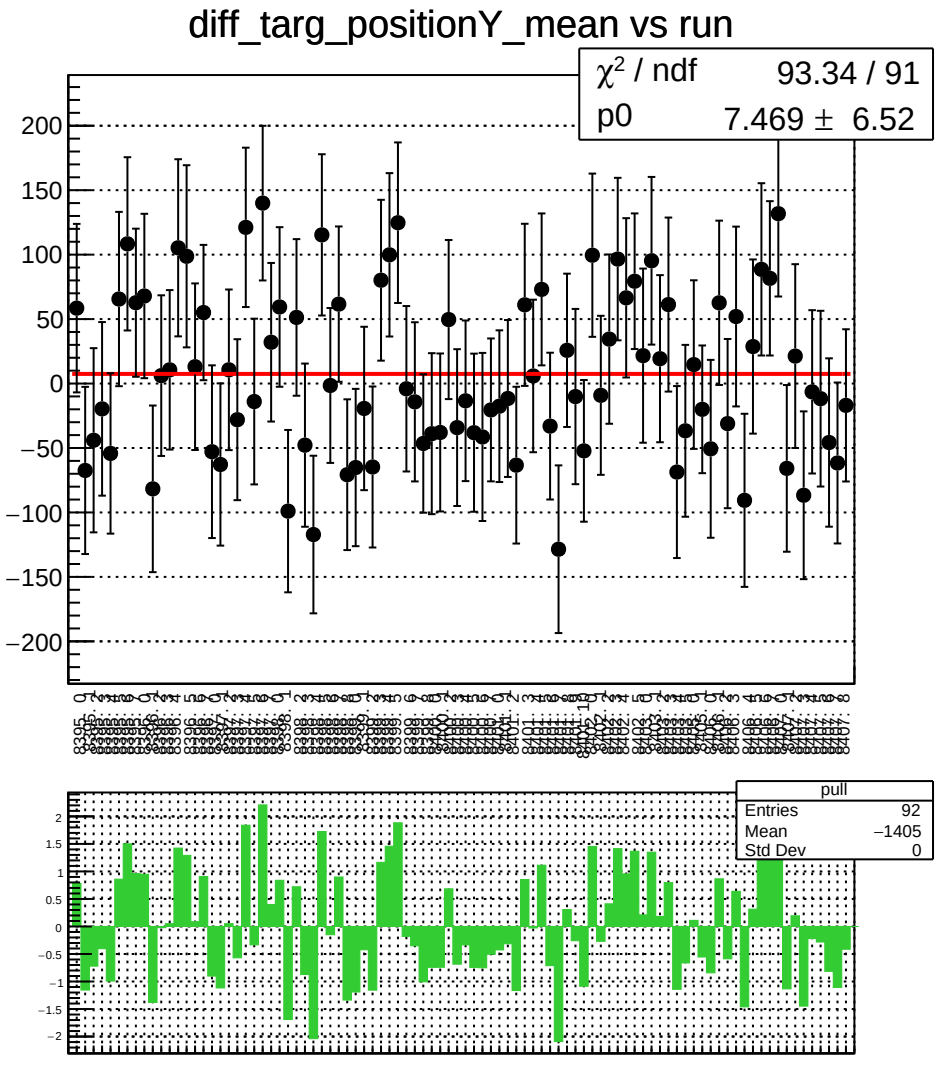

pull1D
Entries 92
Mean 0.00184
Std Dev 0.9764

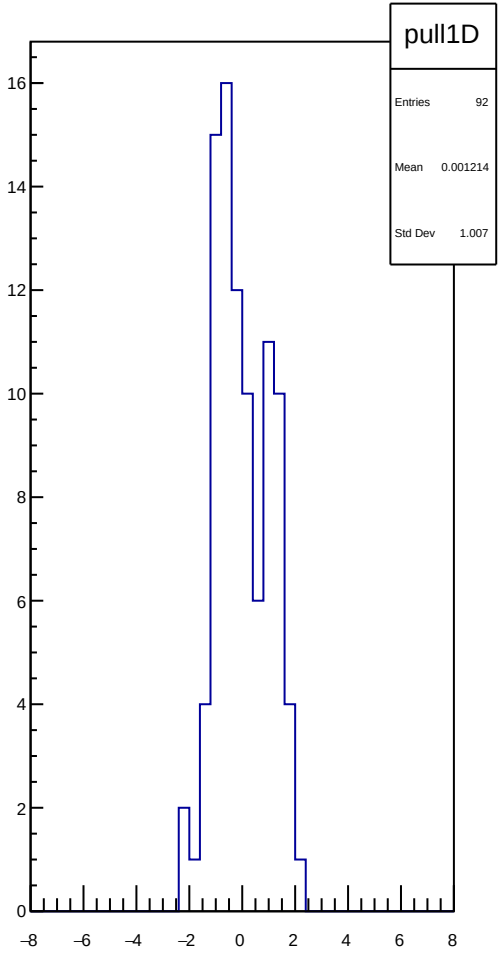

diff_dispE_bpm12X_rms vs run
$\chi^2$ / ndf 7499 / 91
p0 9.754 ± 0.007446
11.5
11
10.5
10
9.5
9
8.5

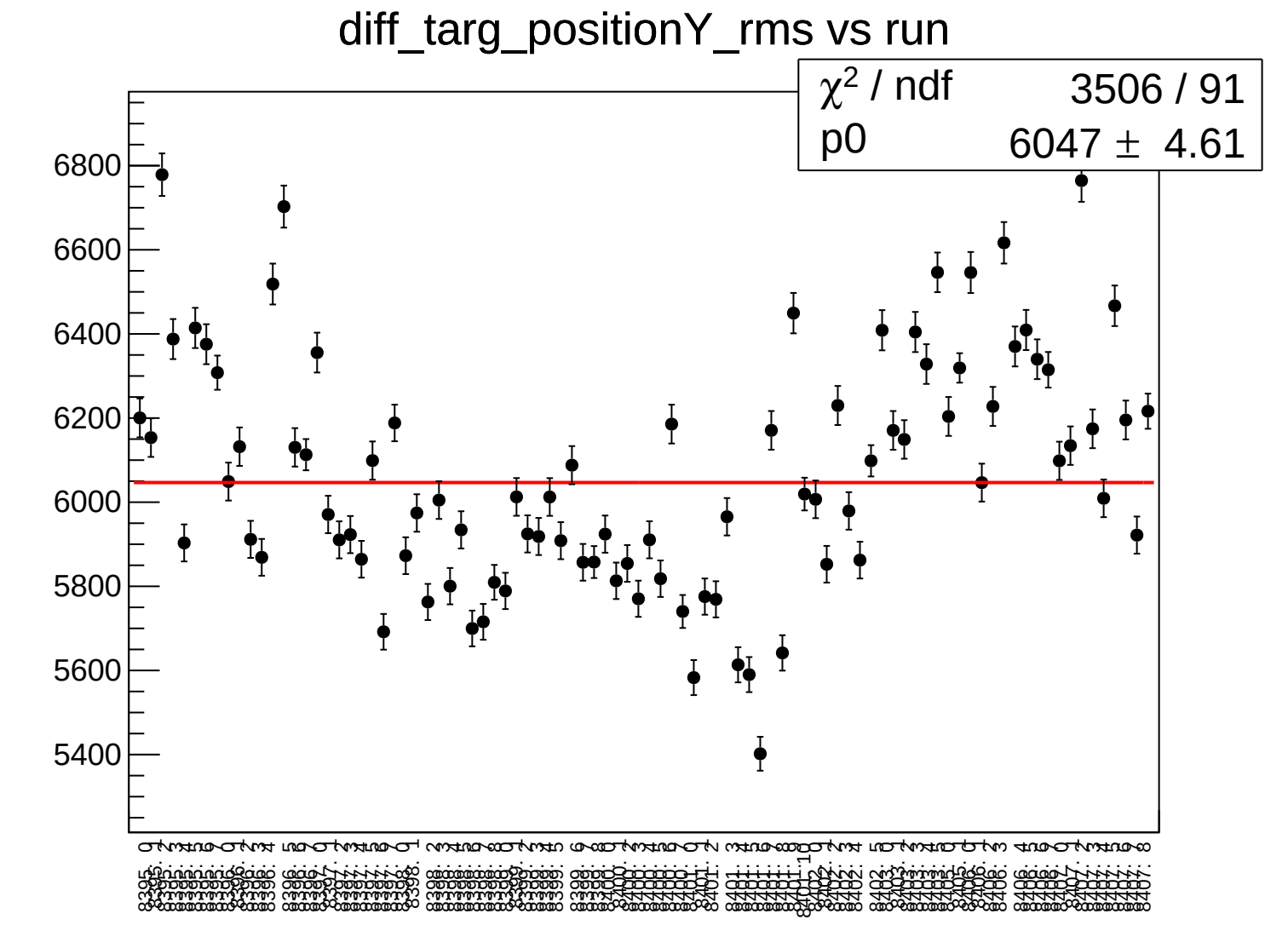

diff_targ_positionX_mean vs run
χ² / ndf 79.6 / 91
p0 −14.76 ± 21.32
pull
Entries 92
Mean 203.6
Std Dev 0

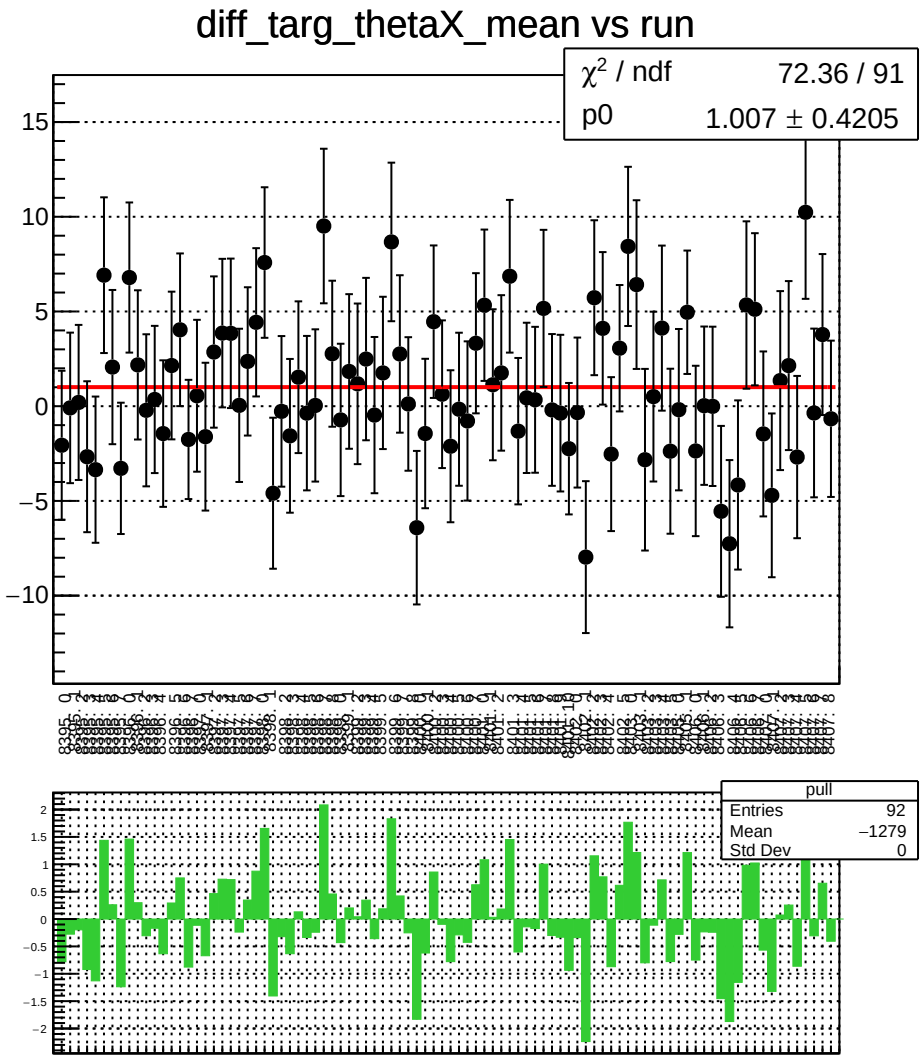

pull1D
Entries 92
Mean −0.004292
Std Dev 0.9301

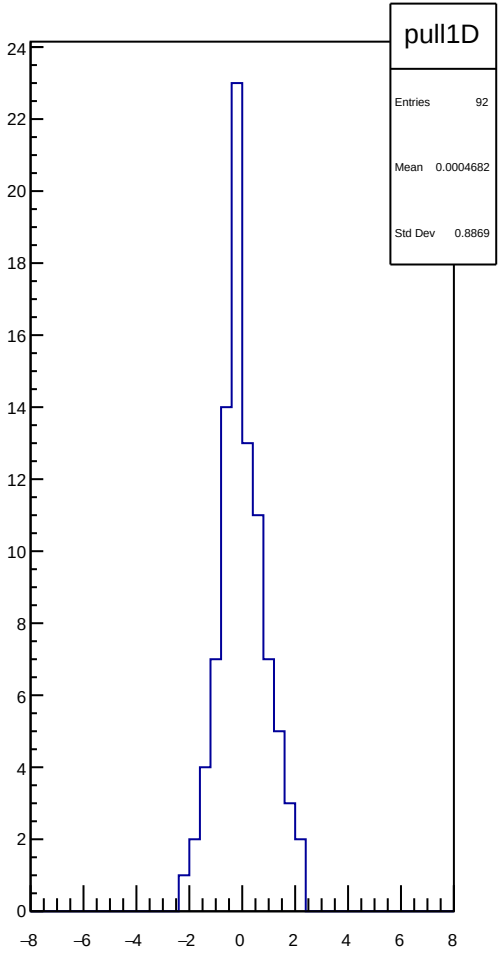

diff_targ_positionX_rms vs run
χ² / ndf 6576 / 91
p0 1.975e+04 ± 15.08
24000
23000
22000
21000
20000
19000
18000

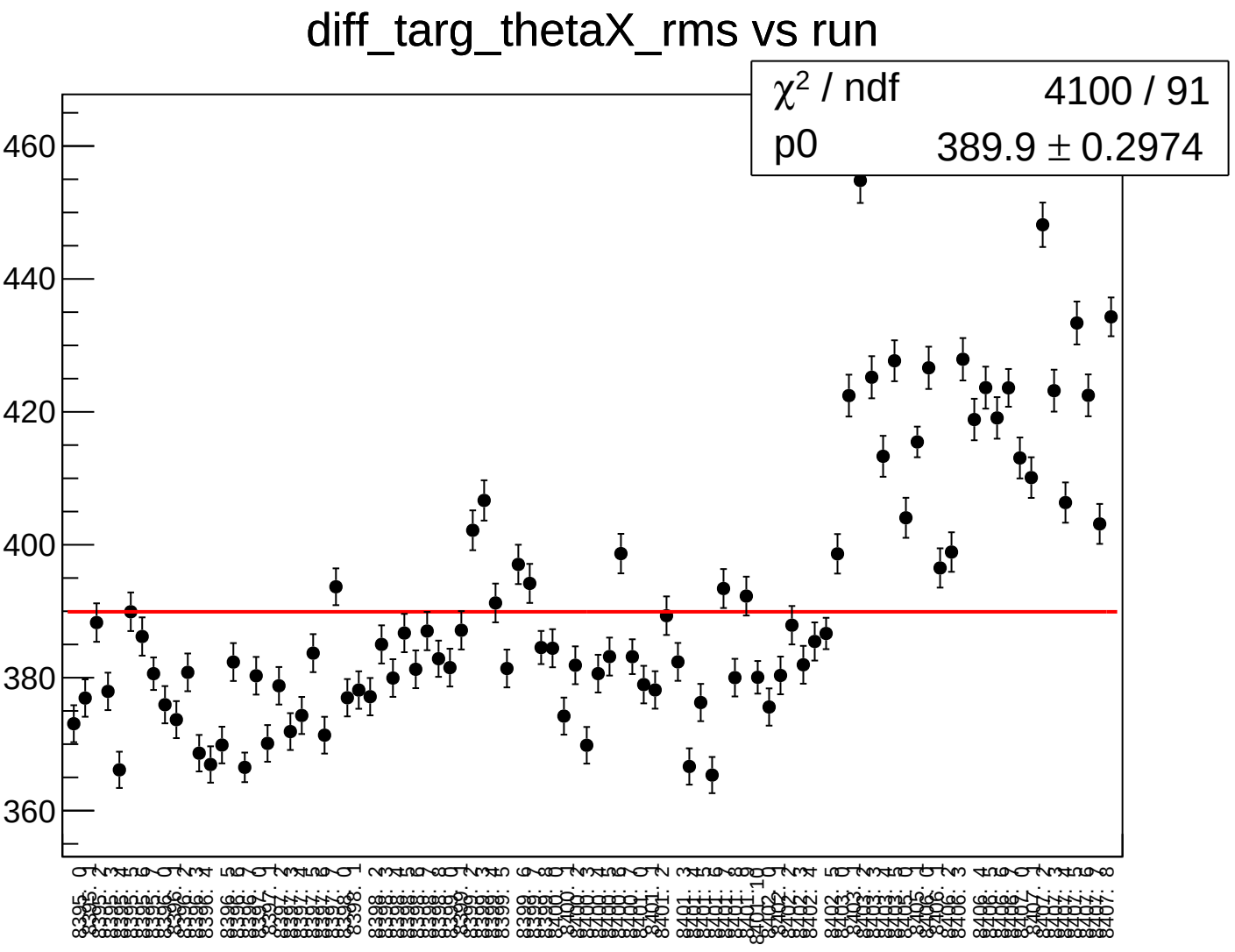

diff_targ_positionY_mean vs run
χ² / ndf 93.34 / 91
p0 7.469 ± 6.52
pull
Entries 92
Mean −1405
Std Dev 0

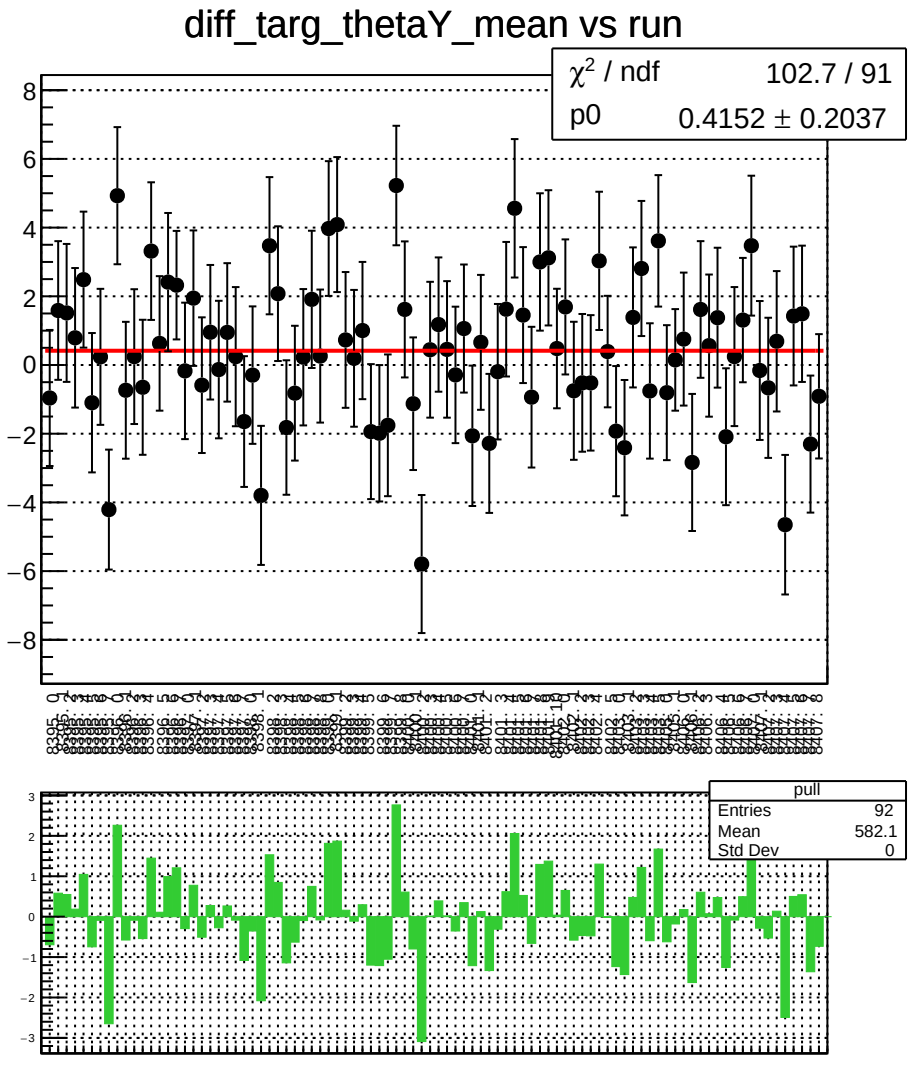

pull1D
Entries 92
Mean 0.001214
Std Dev 1.007

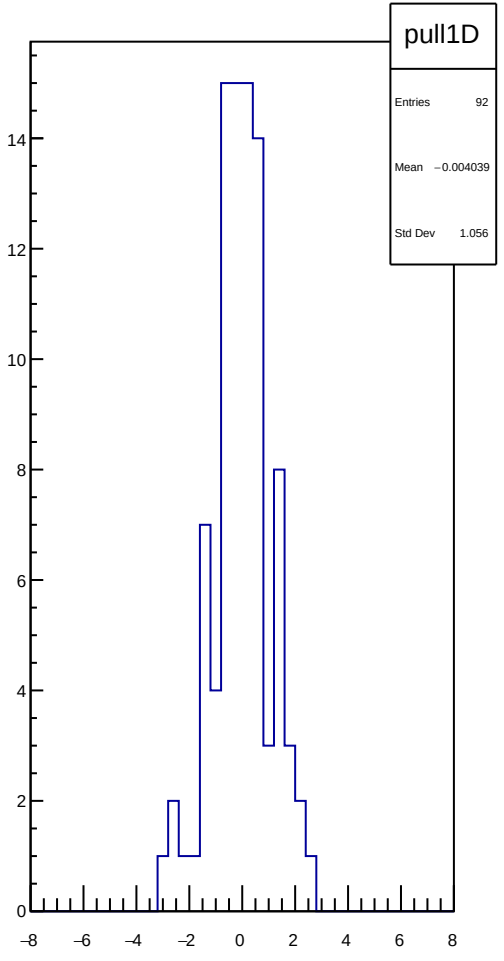

diff_targ_positionY_rms vs run
χ² / ndf 3506 / 91
p0 6047 ± 4.61
6800
6600
6400
6200
6000
5800
5600
5400

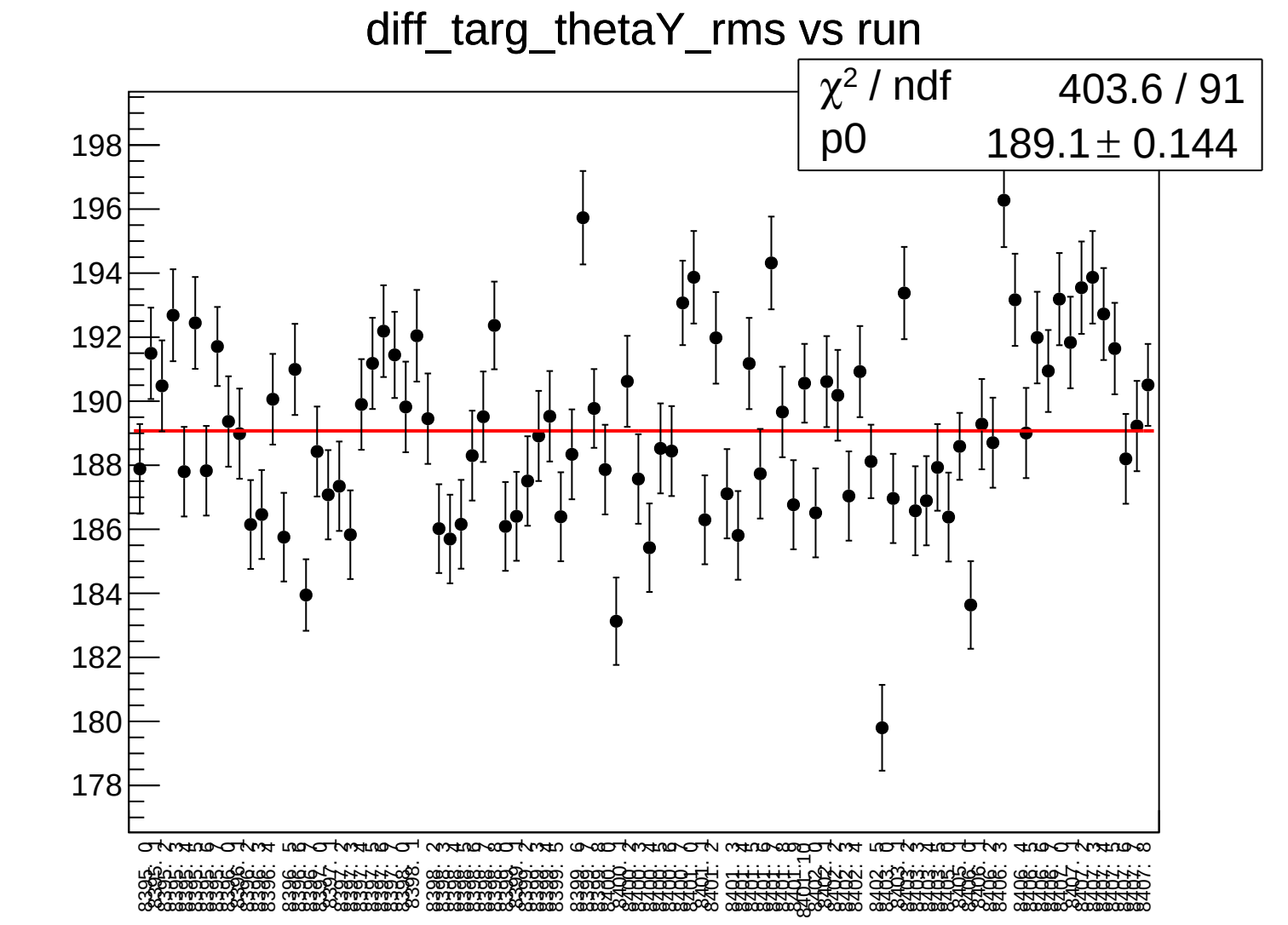

diff_targ_thetaX_mean vs run
χ² / ndf 72.36 / 91
p0 1.007 ± 0.4205
pull
Entries 92
Mean −1279
Std Dev 0

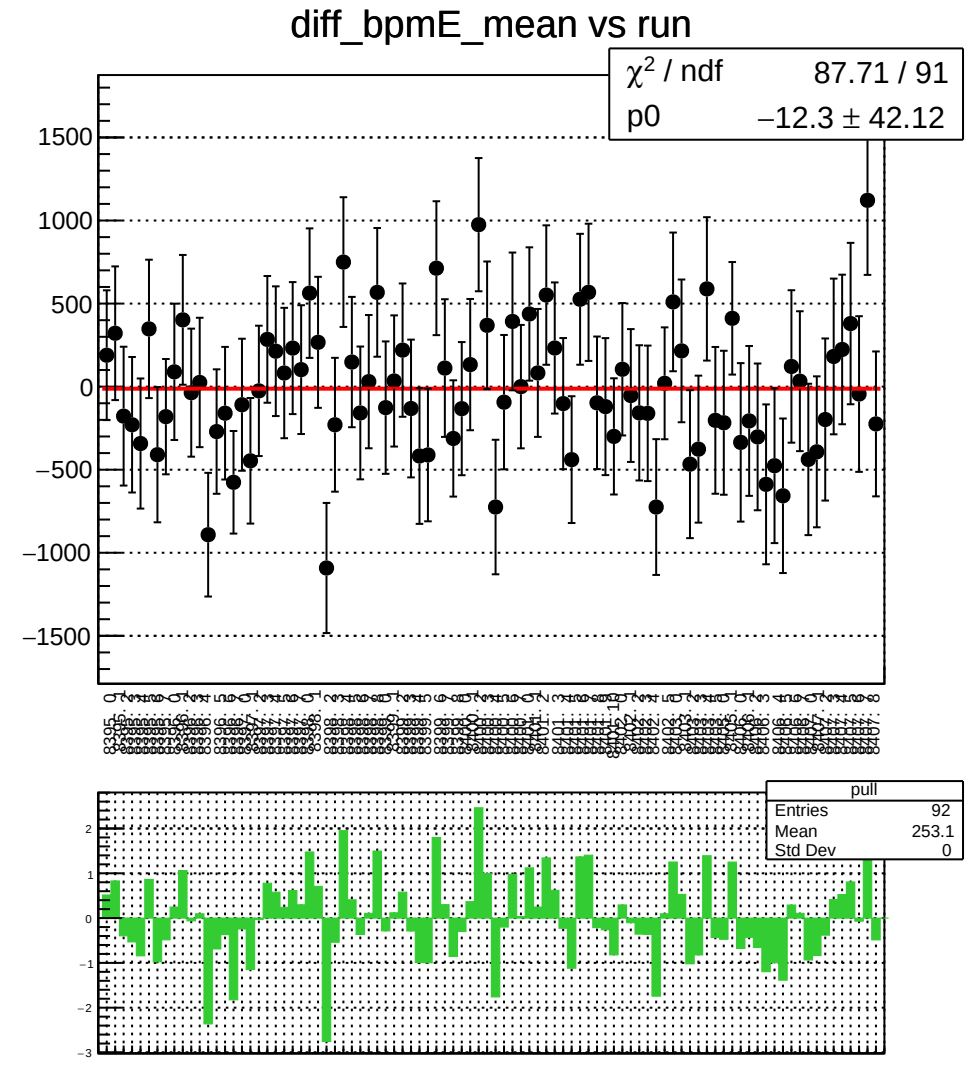

pull1D
Entries 92
Mean 0.0004682
Std Dev 0.8869

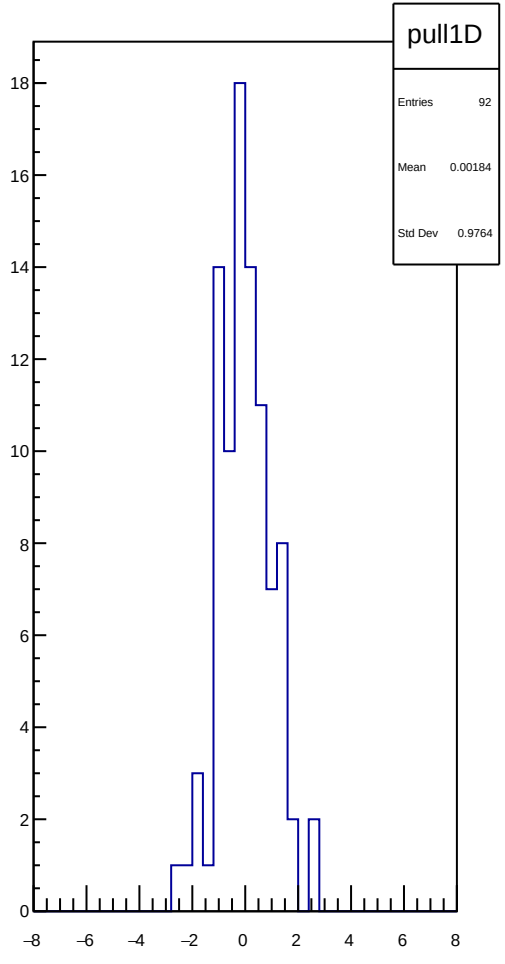

diff_targ_thetaX_rms vs run
χ² / ndf 4100 / 91
p0 389.9 ± 0.2974
460
440
420
400
380
360

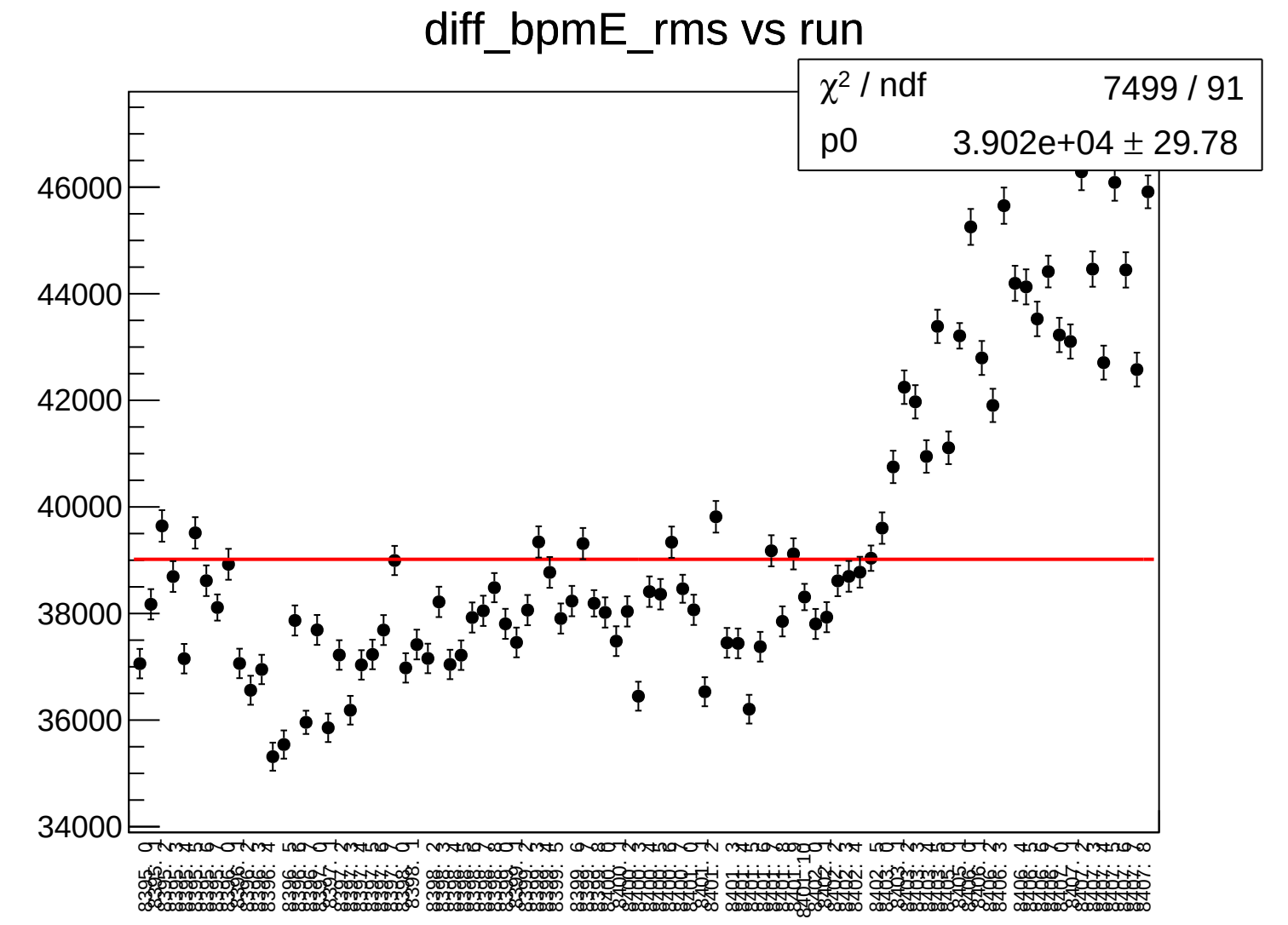

diff_targ_thetaY_mean vs run
χ² / ndf 102.7 / 91
p0 0.4152 ± 0.2037
pull
Entries 92
Mean 582.1
Std Dev 0

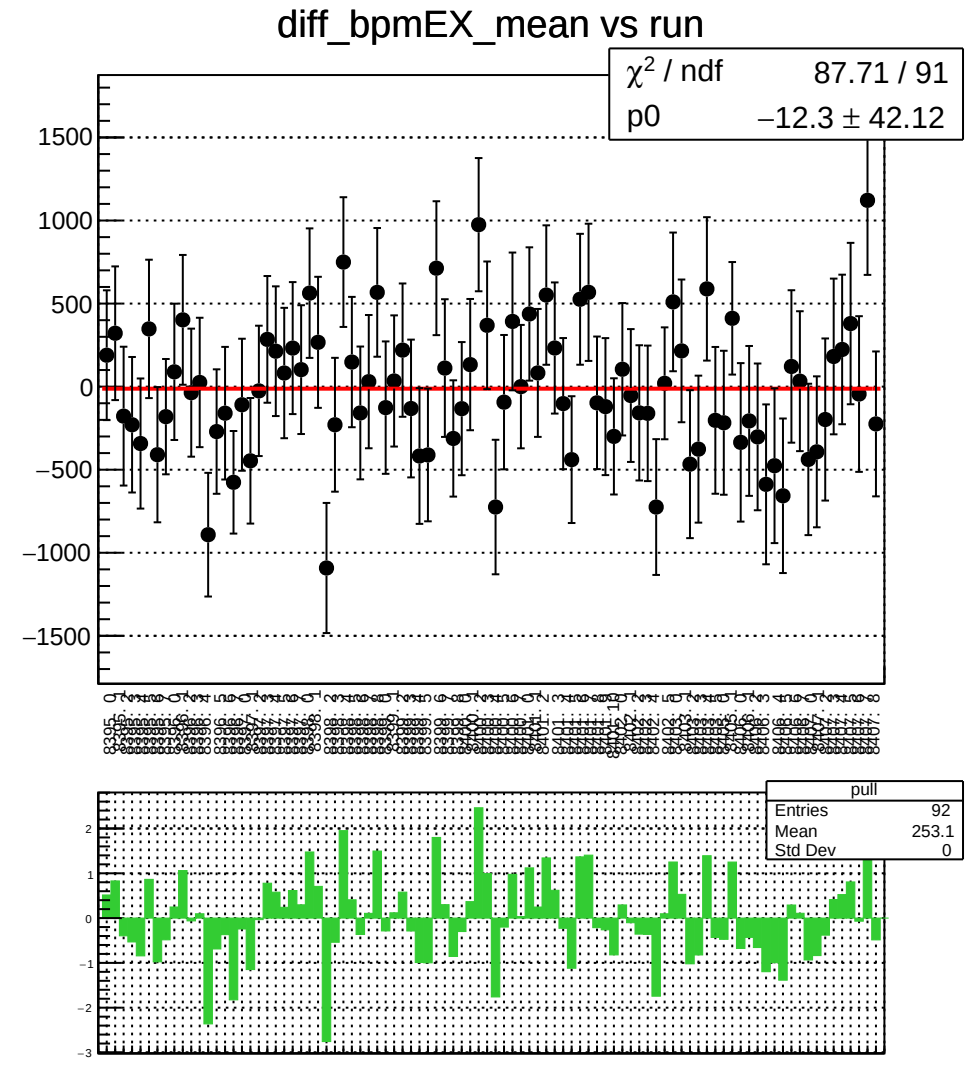

pull1D
Entries 92
Mean −0.004039
Std Dev 1.056

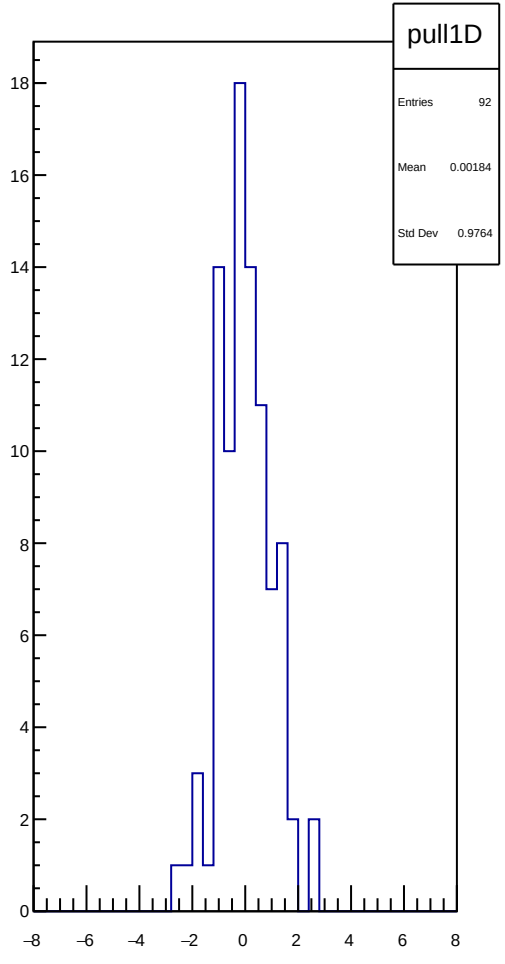

diff_targ_thetaY_rms vs run
$\chi^2$ / ndf 403.6 / 91
p0 189.1 ± 0.144
198
196
194
192
190
188
186
184
182
180
178

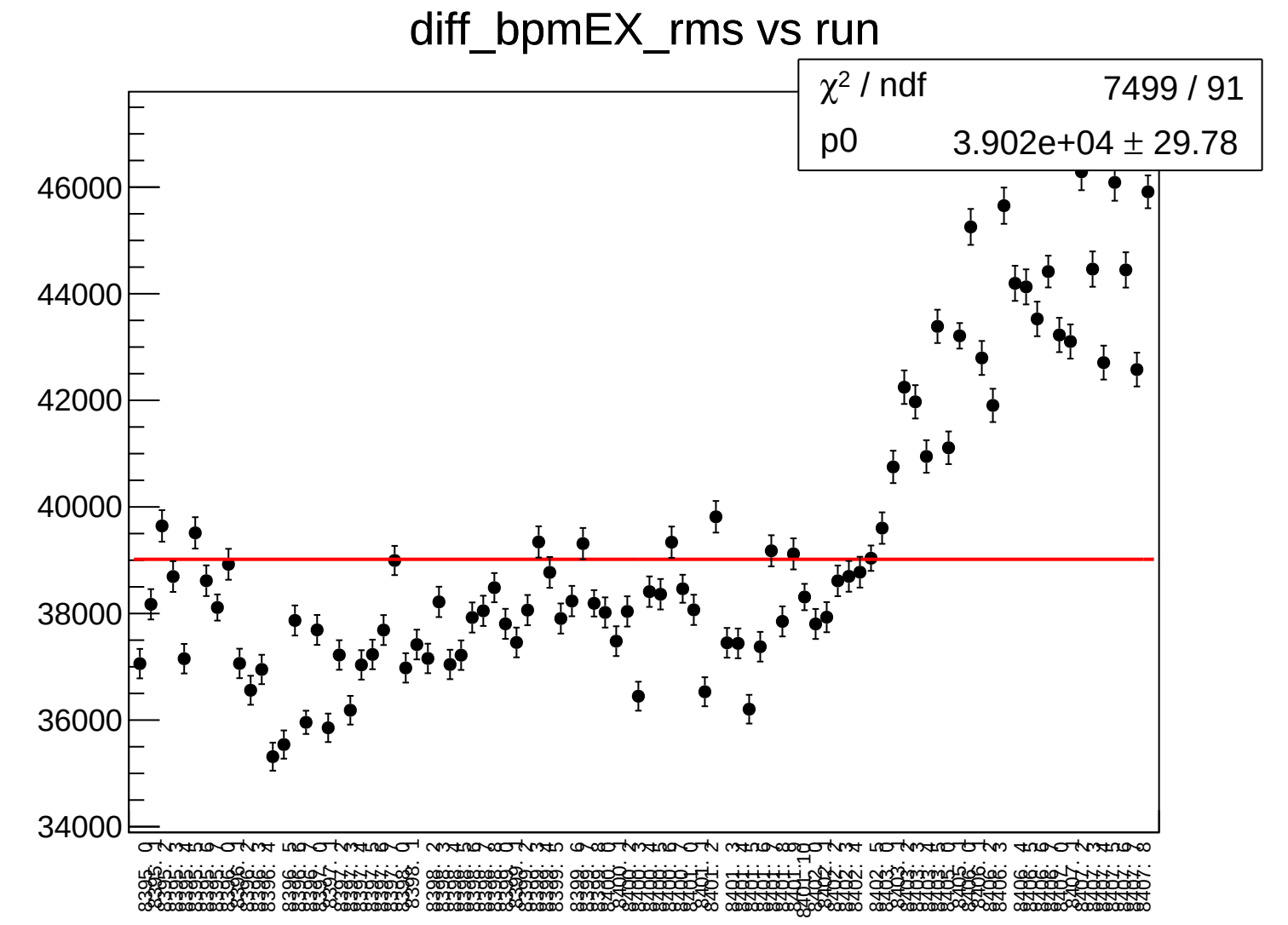

diff_bpmE_mean vs run
χ² / ndf 87.71 / 91
p0 −12.3 ± 42.12
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean 253.1
Std Dev 0
2
1
0
−1
−2
−3

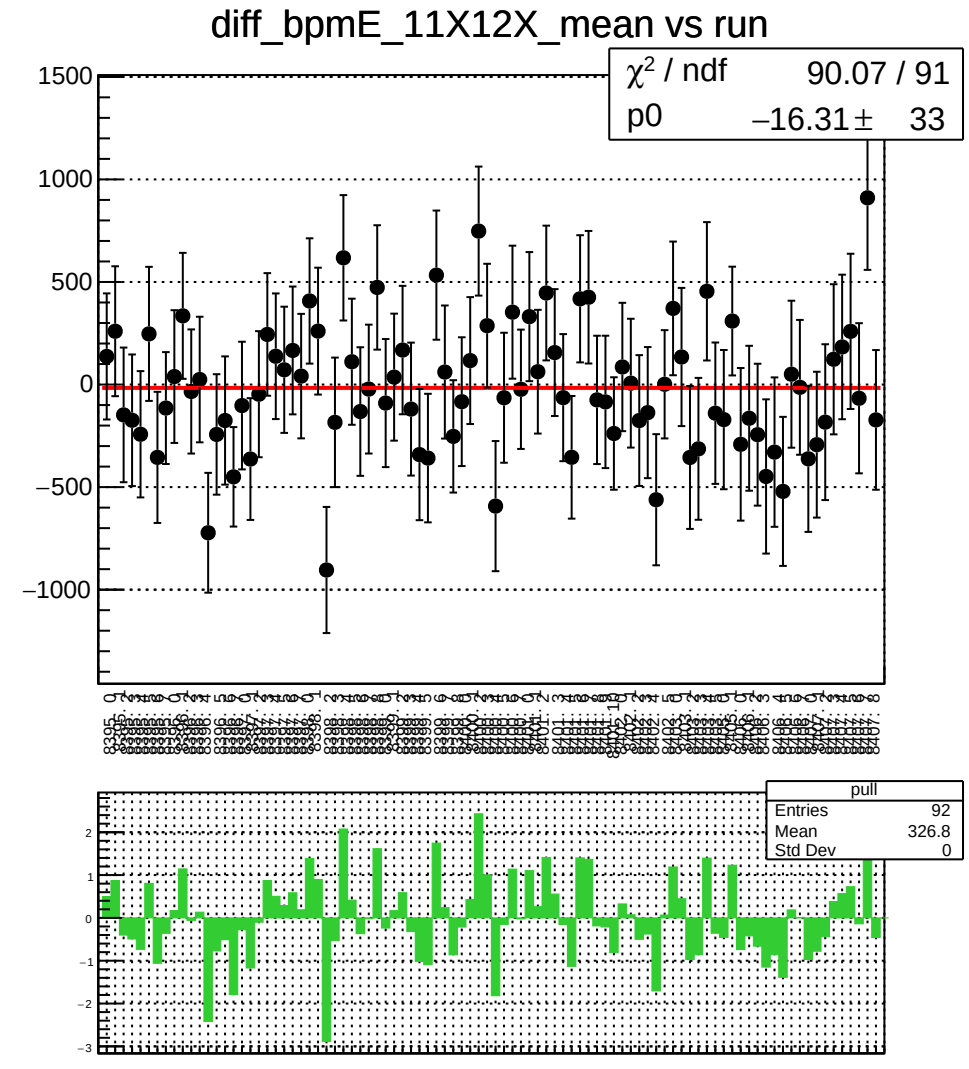

pull1D
Entries 92
Mean 0.00184
Std Dev 0.9764
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

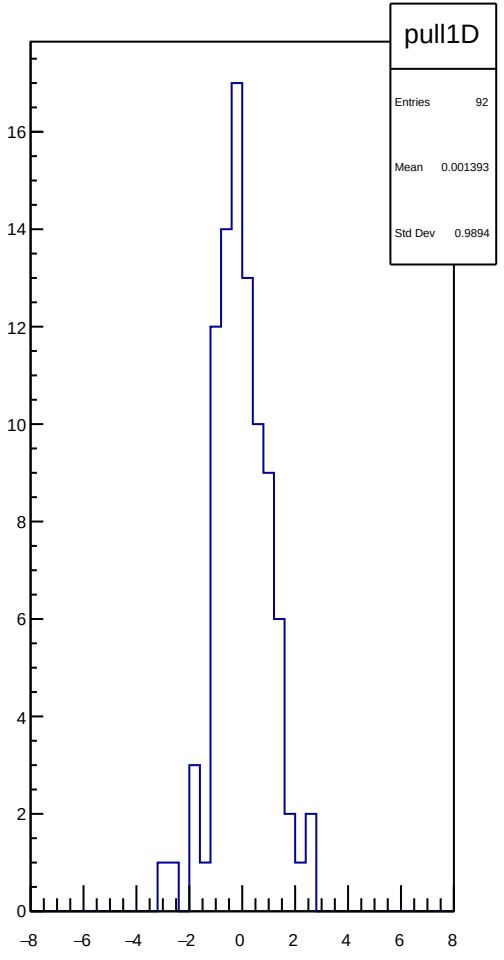

diff_bpmE_rms vs run
χ² / ndf 7499 / 91
p0 3.902e+04 ± 29.78
46000
44000
42000
40000
38000
36000
34000

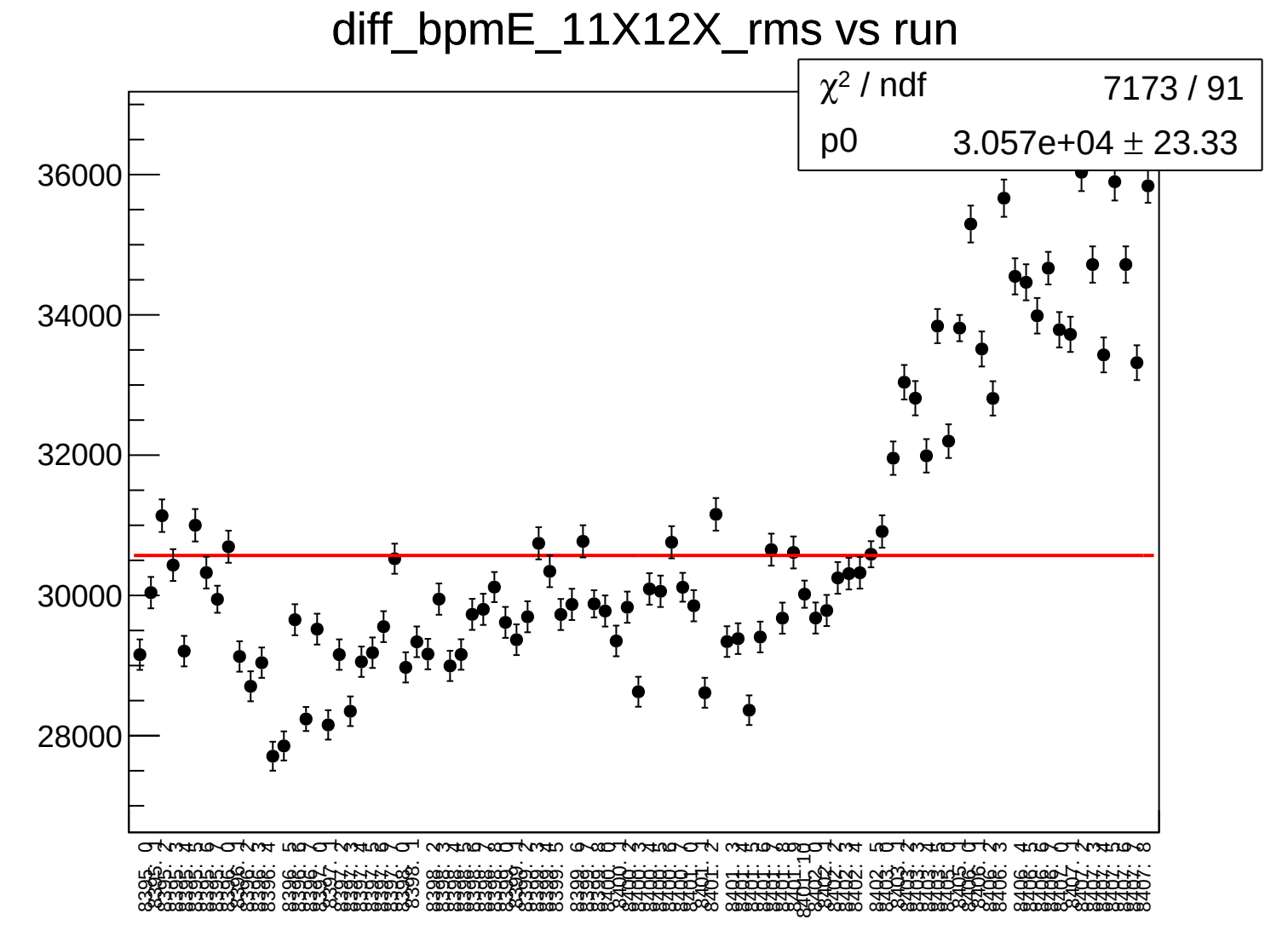

diff_bpmEX_mean vs run
χ² / ndf 87.71 / 91
p0 −12.3 ± 42.12
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean 253.1
Std Dev 0
2
1
0
−1
−2
−3

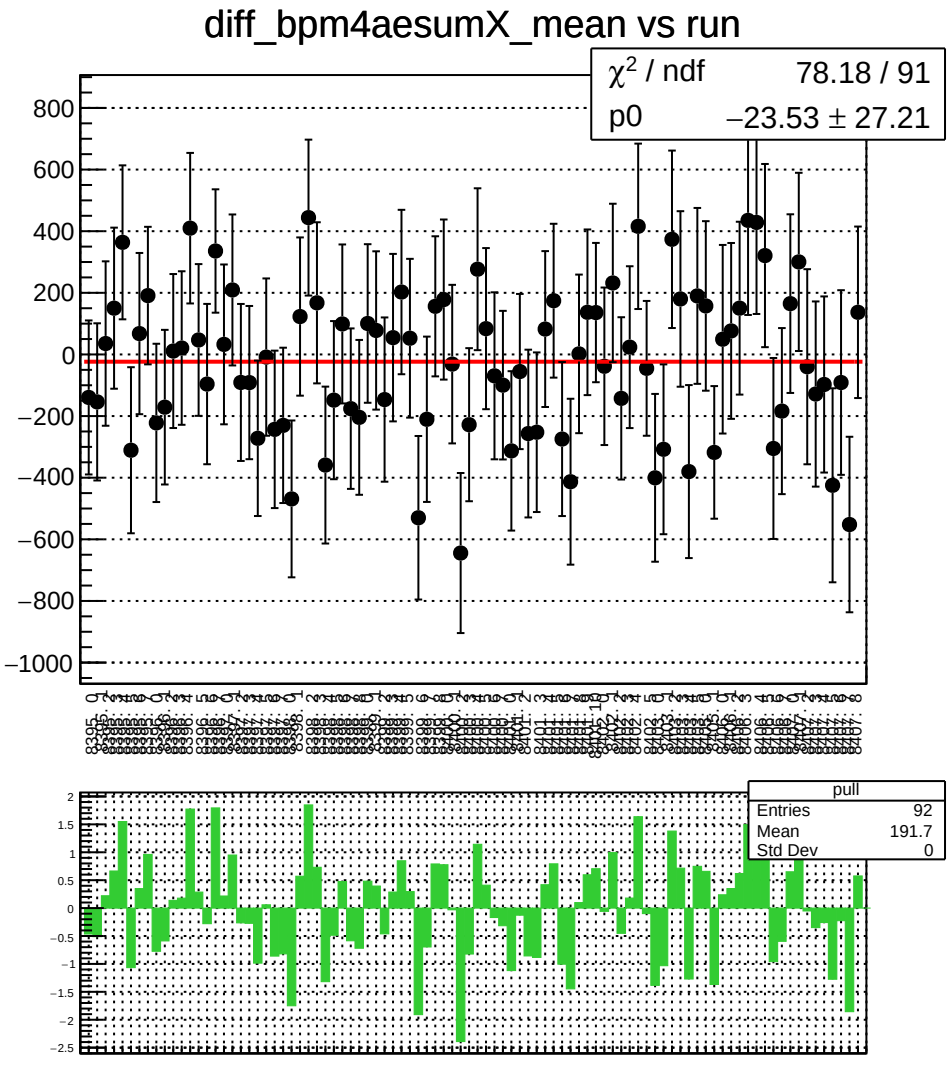

pull1D
Entries 92
Mean 0.00184
Std Dev 0.9764
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

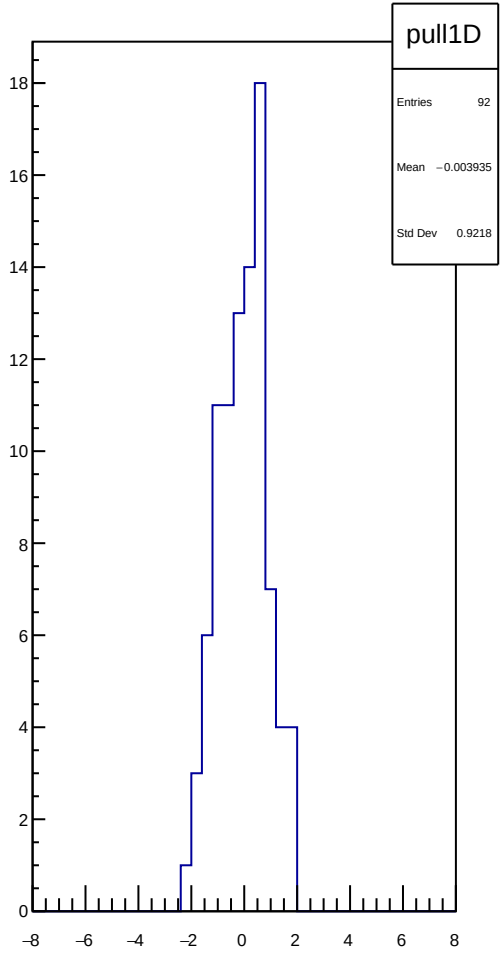

diff_bpmEX_rms vs run
χ² / ndf 7499 / 91
p0 3.902e+04 ± 29.78
46000
44000
42000
40000
38000
36000
34000


diff_bpmE_11X12X_mean vs run
χ² / ndf 90.07 / 91
p0 −16.31 ± 33
pull
Entries 92
Mean 326.8
Std Dev 0

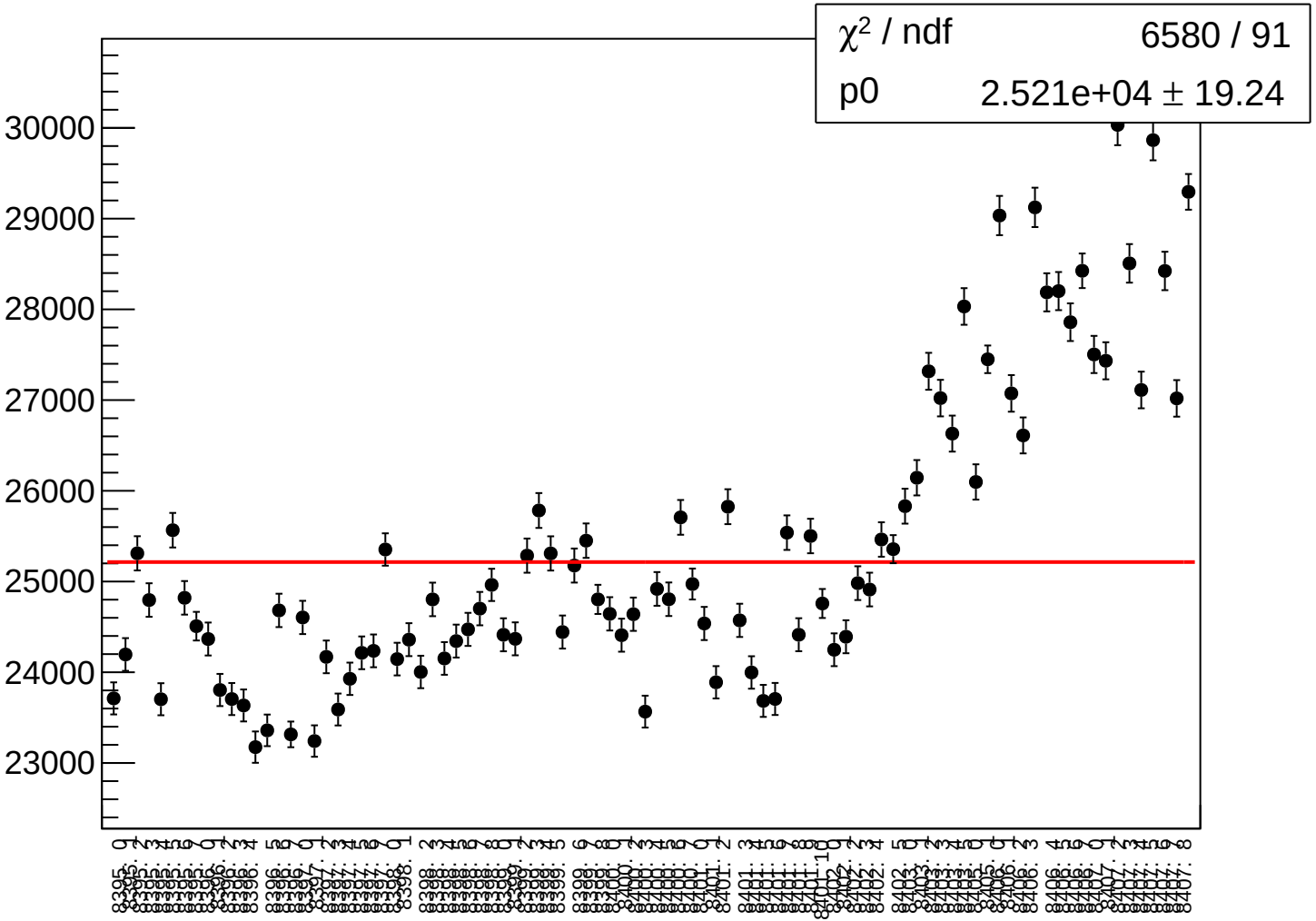

pull1D
Entries 92
Mean 0.001393
Std Dev 0.9894

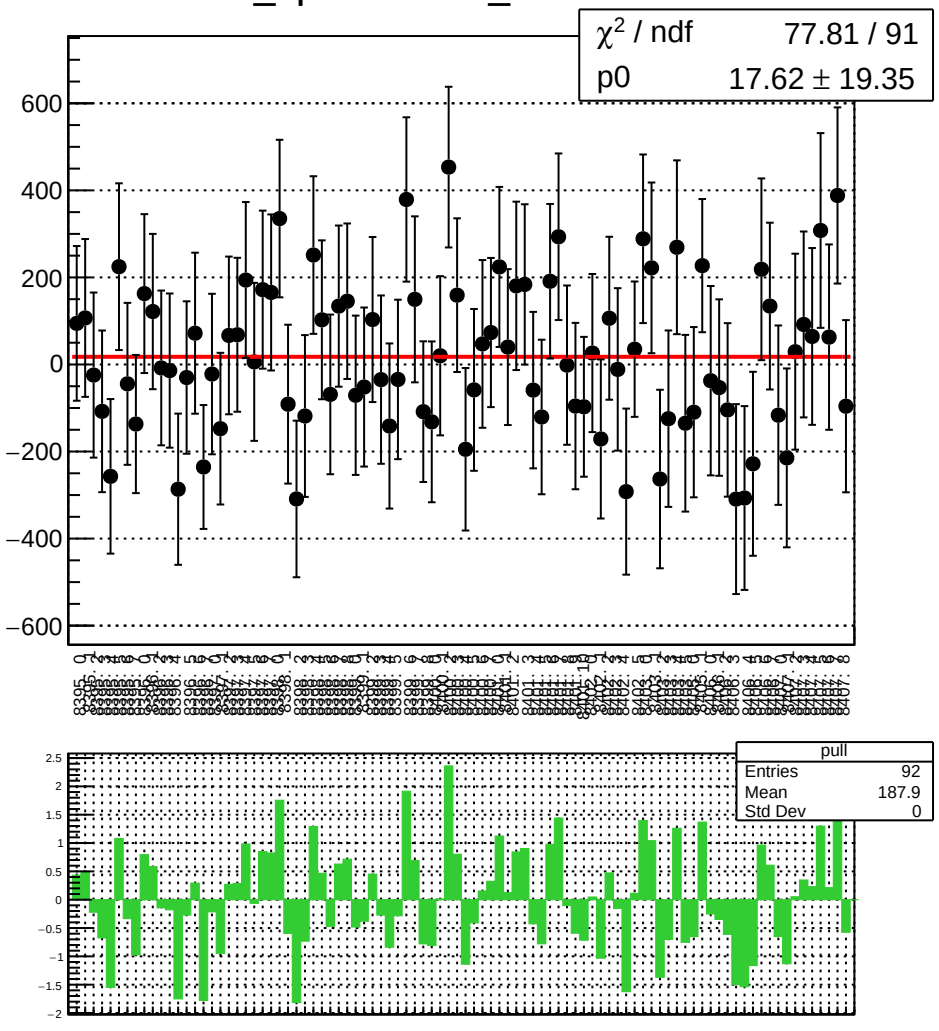

diff_bpmE_11X12X_rms vs run
χ² / ndf 7173 / 91
p0 3.057e+04 ± 23.33
36000
34000
32000
30000
28000

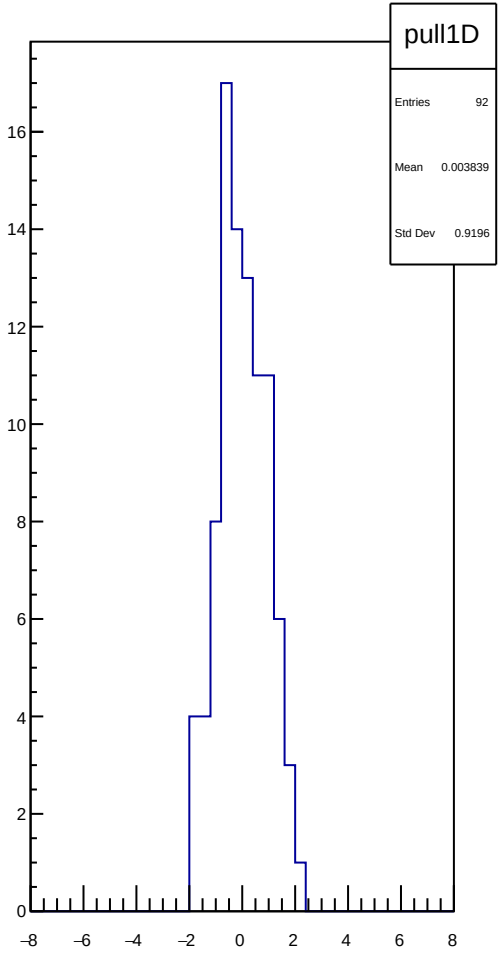

diff_bpm4aesumX_mean vs run
χ² / ndf 78.18 / 91
p0 −23.53 ± 27.21
pull
Entries 92
Mean 191.7
Std Dev 0

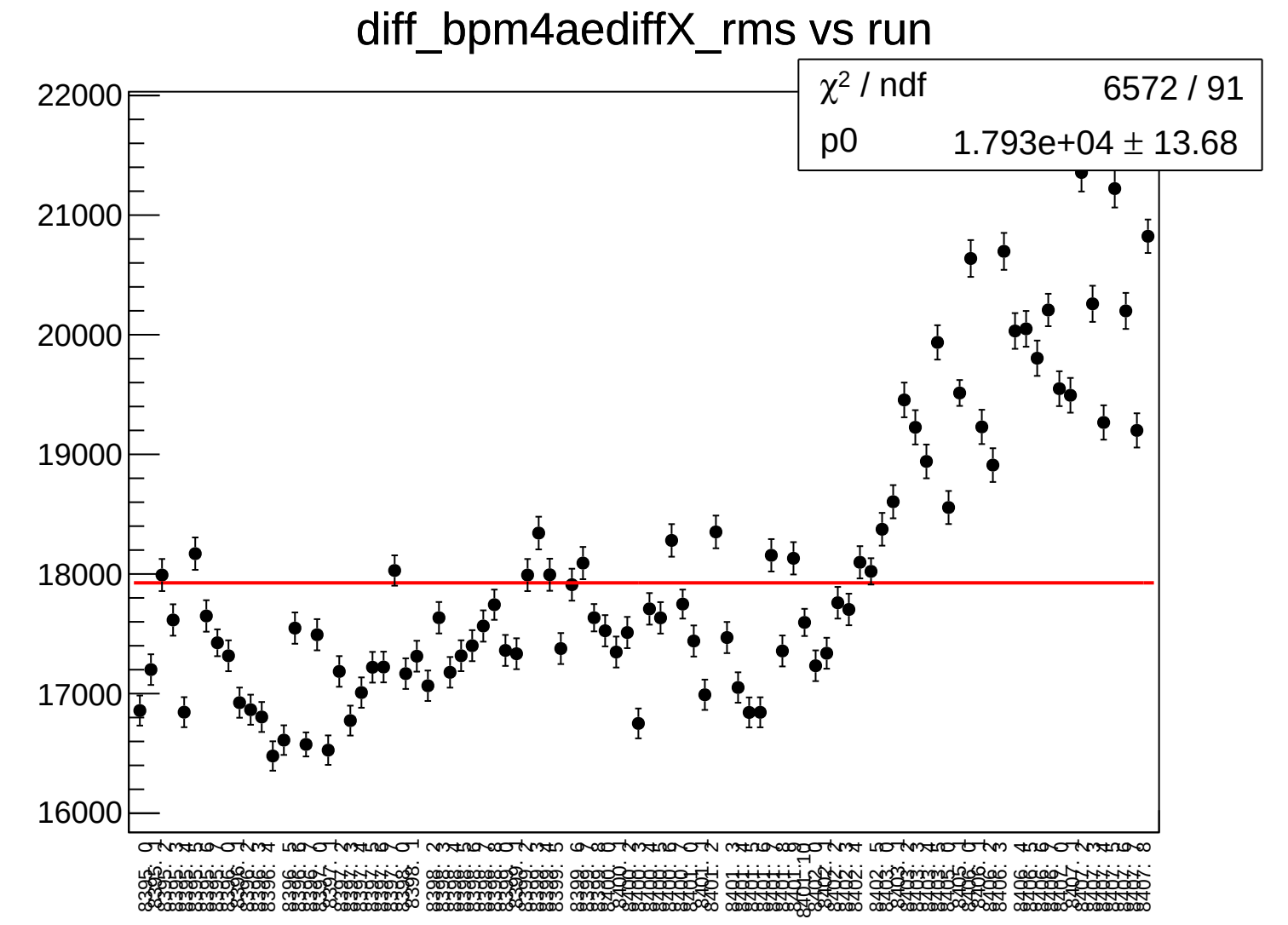

pull1D
Entries 92
Mean −0.003935
Std Dev 0.9218

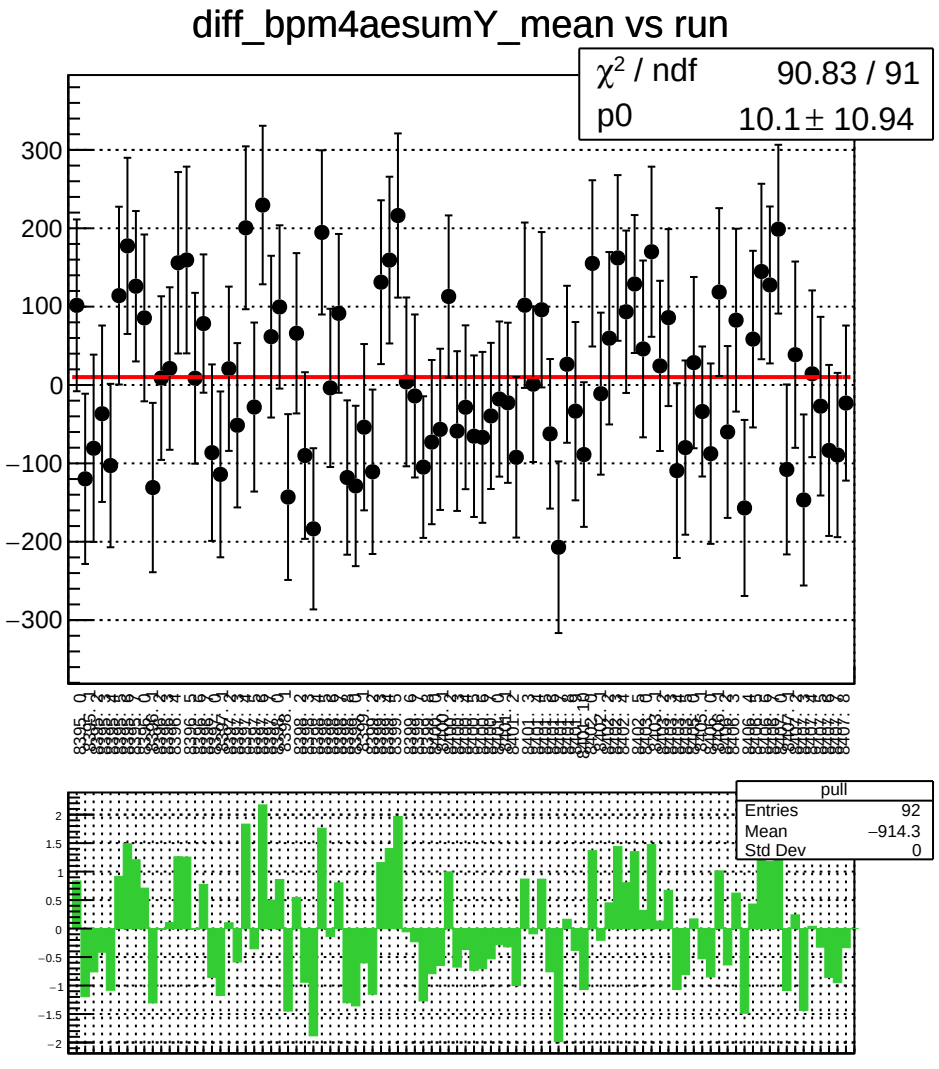
# diff_bpm4aesumX_rms vs run

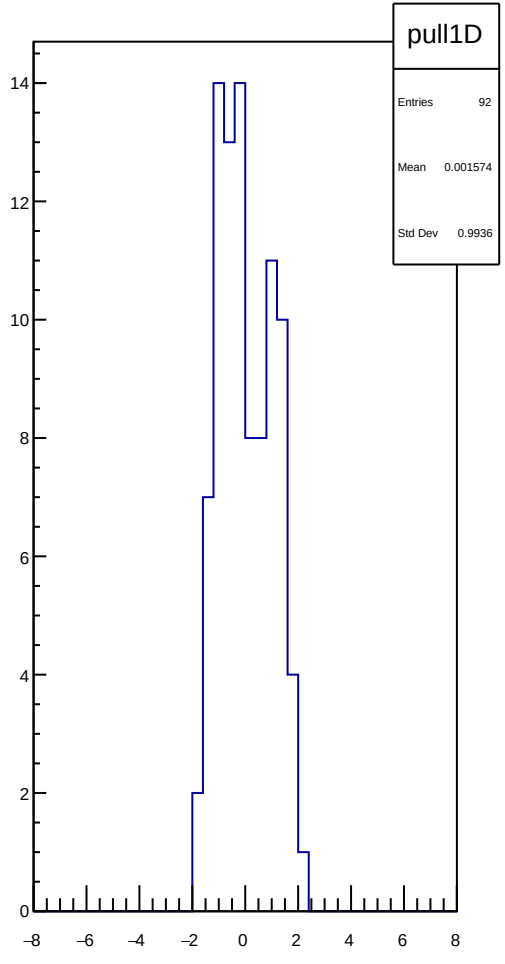


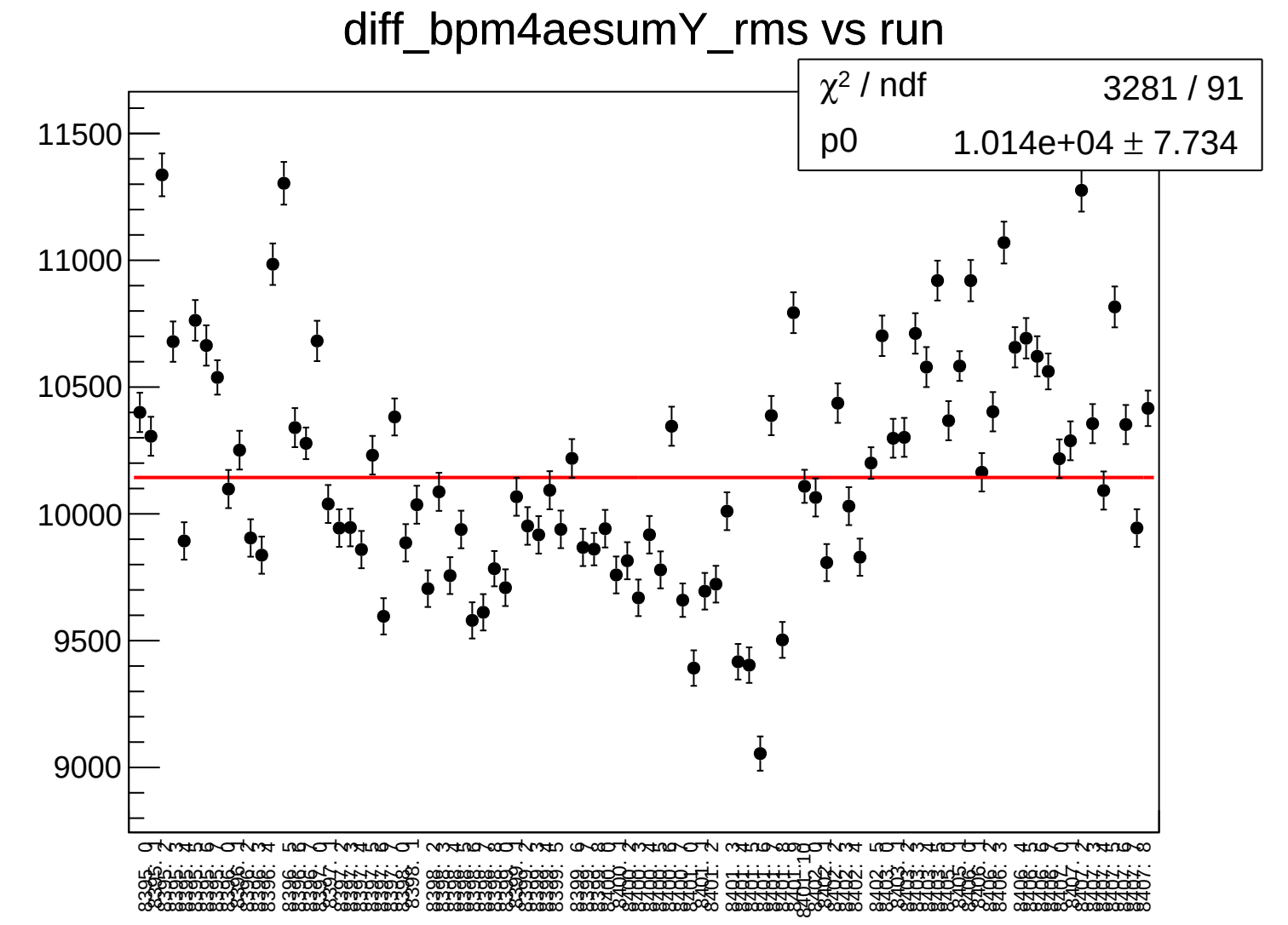

diff_bpm4aediffX_mean vs run
χ² / ndf 77.81 / 91
p0 17.62 ± 19.35
pull
Entries 92
Mean 187.9
Std Dev 0

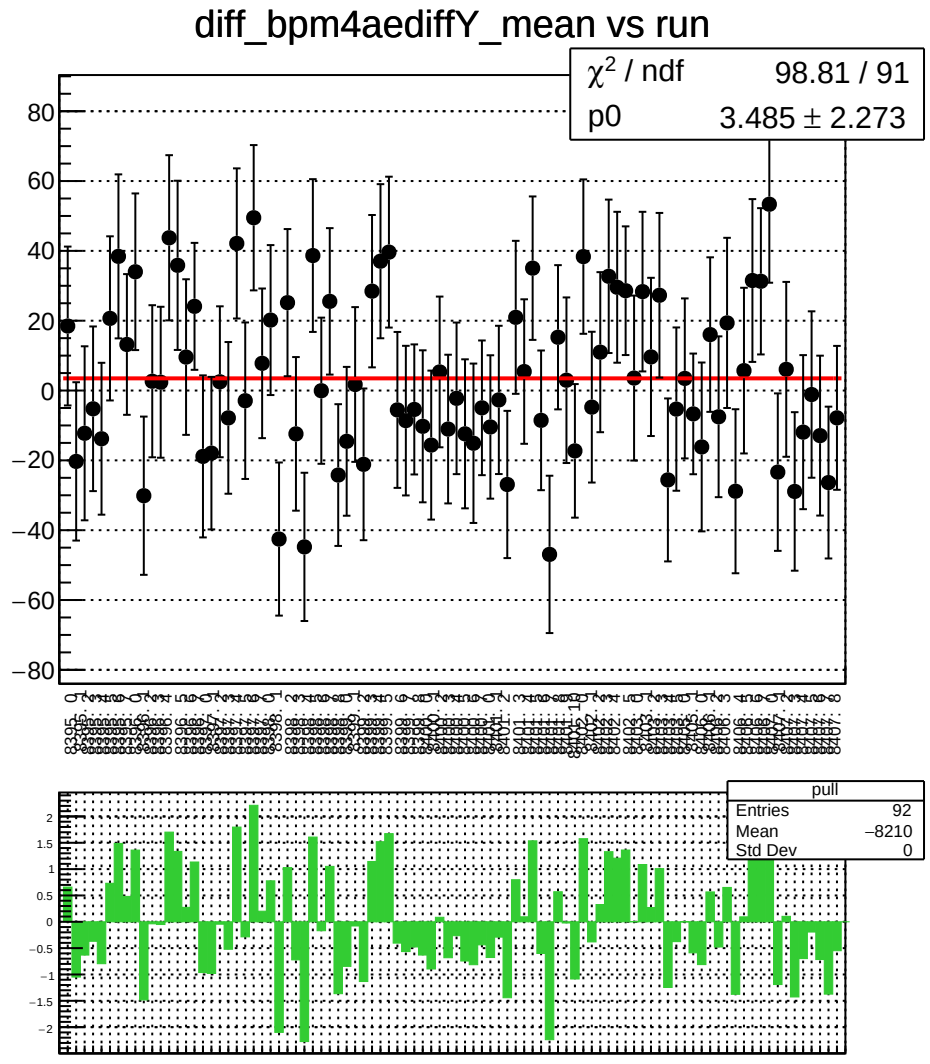

pull1D
Entries 92
Mean 0.003839
Std Dev 0.9196

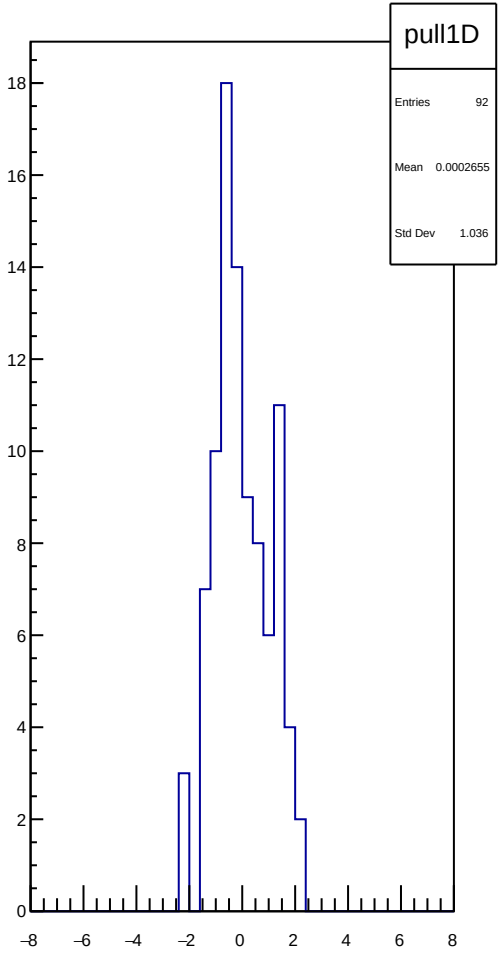

diff_bpm4aediffX_rms vs run
χ² / ndf 6572 / 91
p0 1.793e+04 ± 13.68
22000
21000
20000
19000
18000
17000
16000

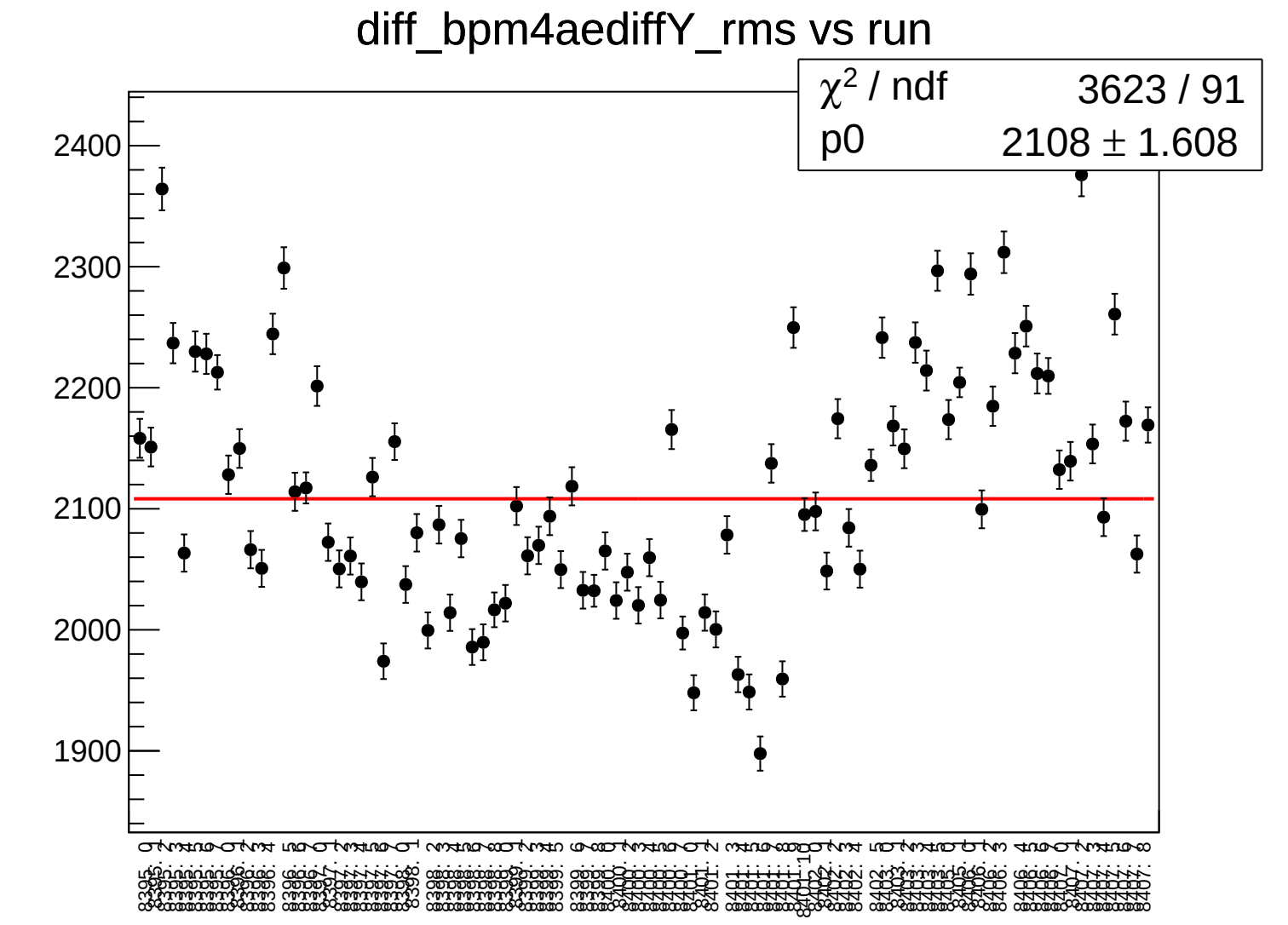

diff_bpm4aesumY_mean vs run
χ² / ndf 90.83 / 91
p0 10.1 ± 10.94
300
200
100
0
−100
−200
−300
pull
Entries 92
Mean −914.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

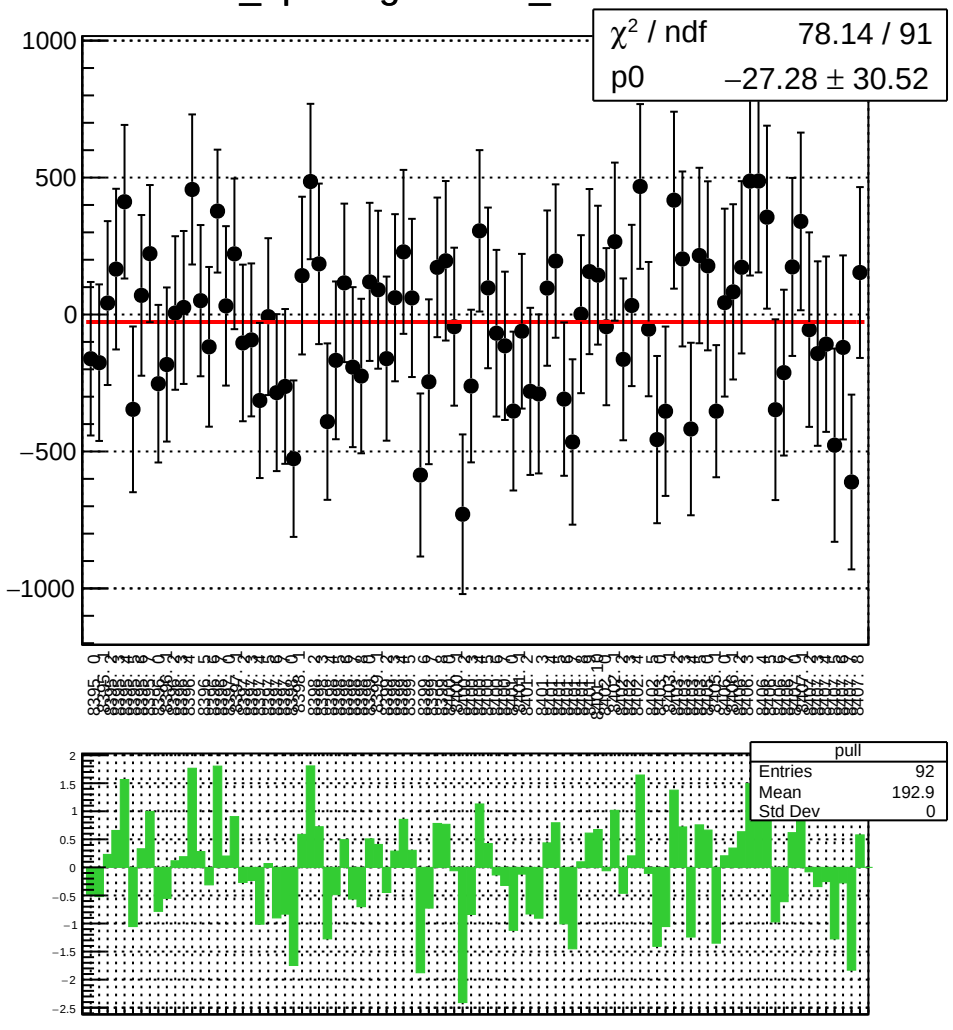

pull1D
Entries 92
Mean 0.001574
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

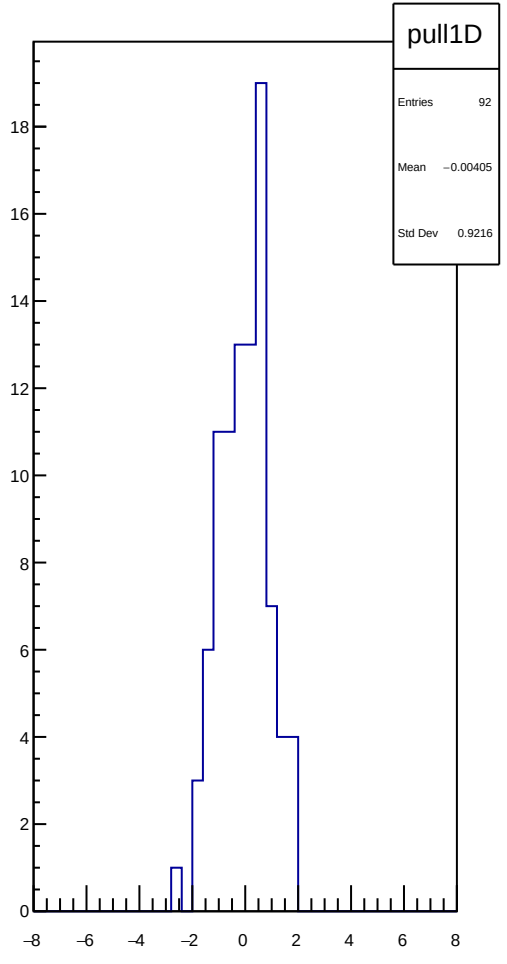

diff_bpm4aesumY_rms vs run
χ² / ndf 3281 / 91
p0 1.014e+04 ± 7.734
11500
11000
10500
10000
9500
9000

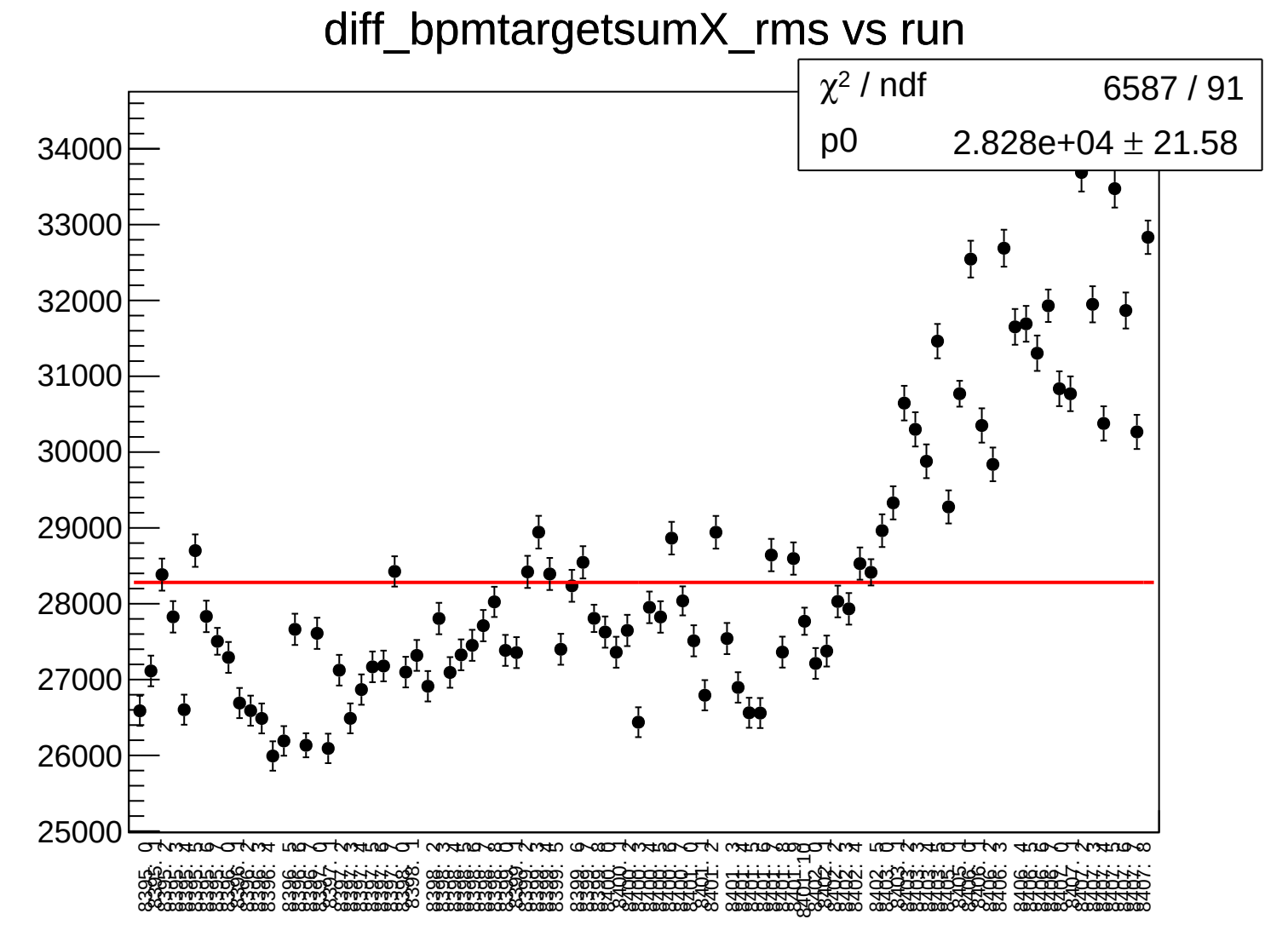

diff_bpm4aediffY_mean vs run
χ² / ndf 98.81 / 91
p0 3.485 ± 2.273
pull
Entries 92
Mean −8210
Std Dev 0

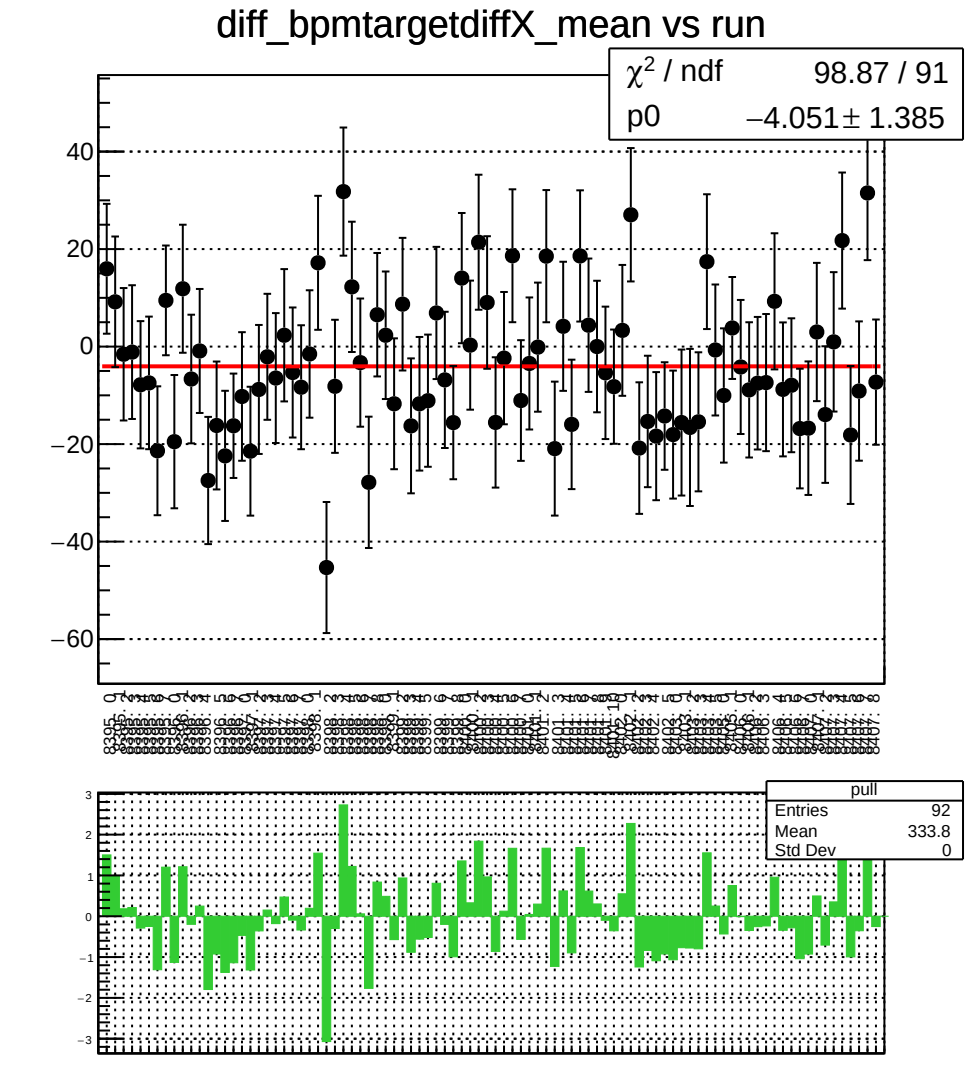

pull1D
Entries 92
Mean 0.0002655
Std Dev 1.036

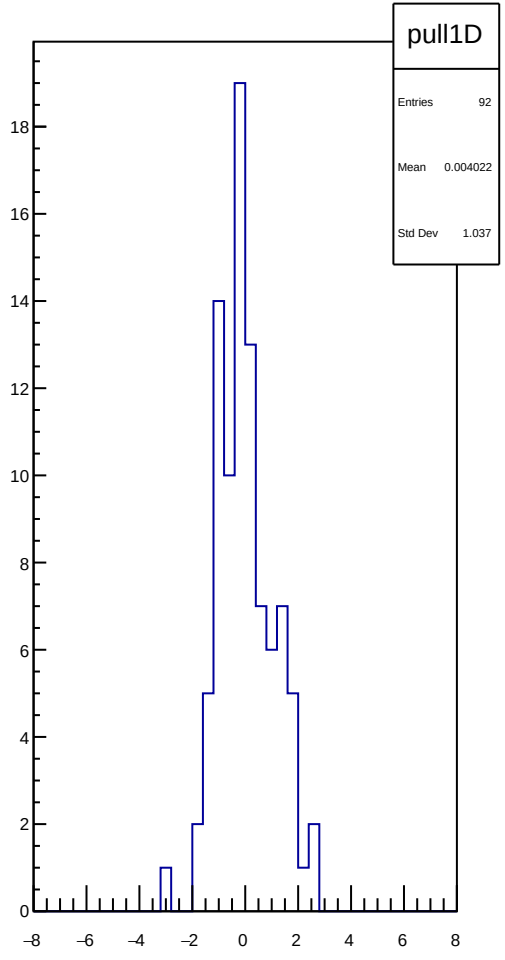

diff_bpm4aediffY_rms vs run
χ² / ndf 3623 / 91
p0 2108 ± 1.608
2400
2300
2200
2100
2000
1900

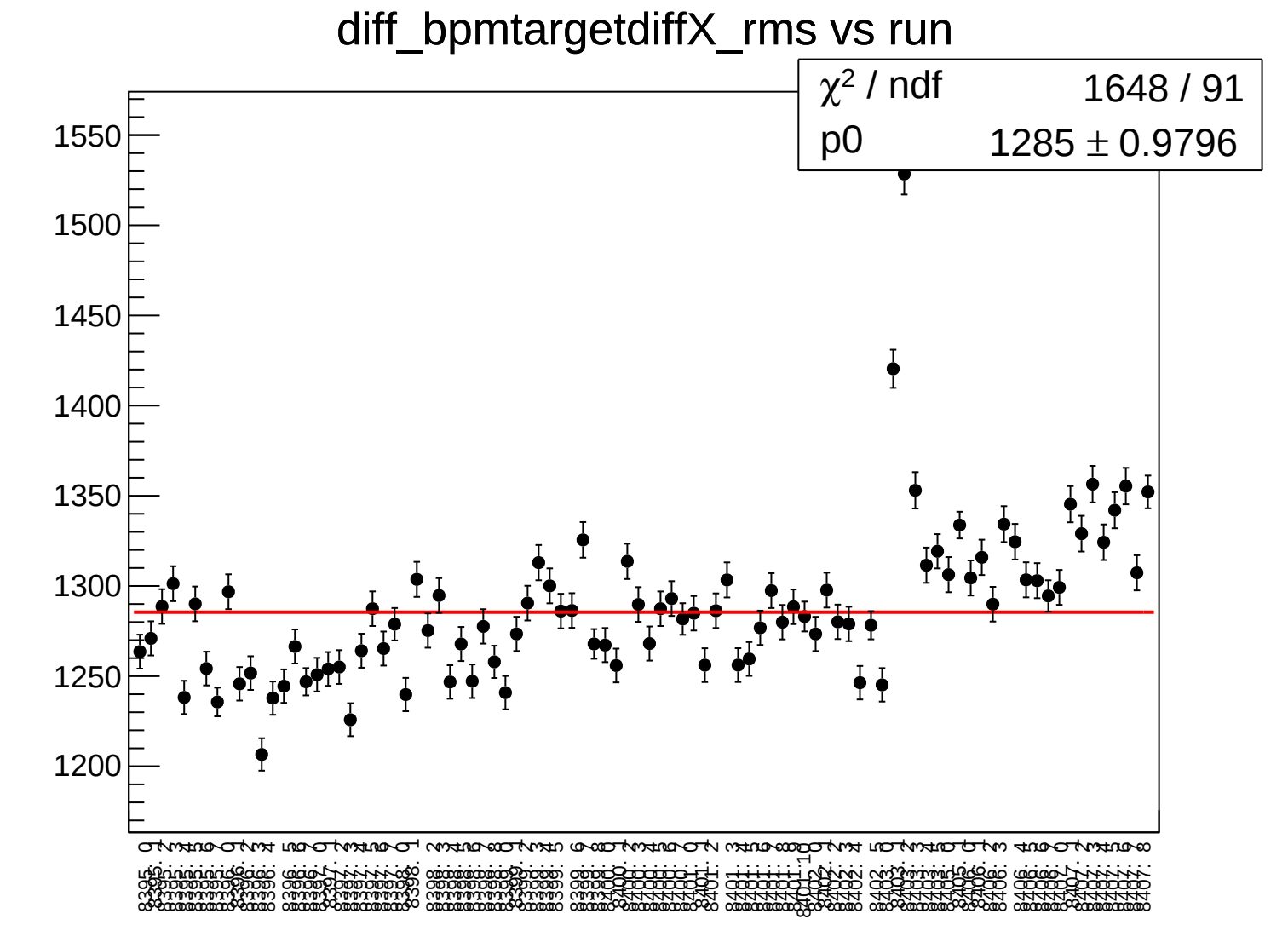

diff_bpmtargetsumX_mean vs run
χ² / ndf 78.14 / 91
p0 −27.28 ± 30.52
1000
500
0
−500
−1000
pull
Entries 92
Mean 192.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

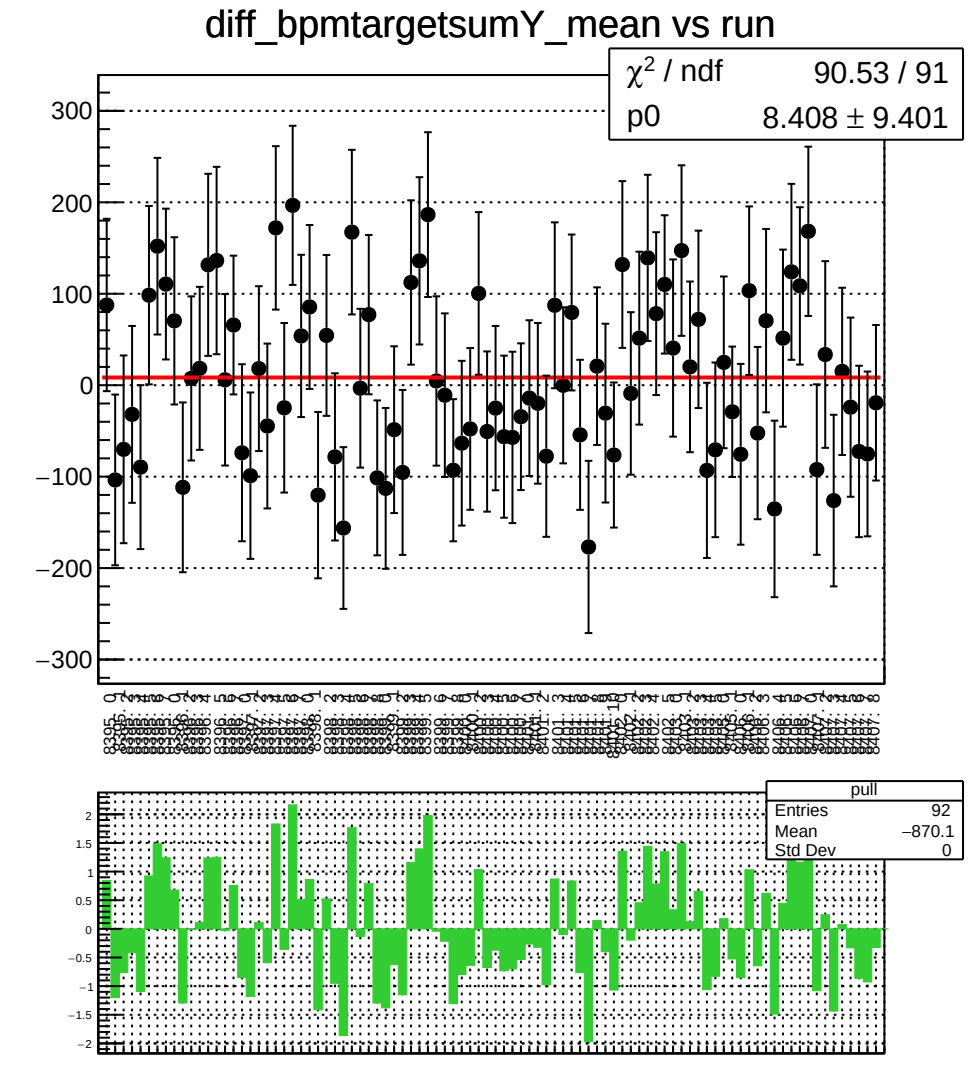

pull1D
Entries 92
Mean −0.00405
Std Dev 0.9216
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

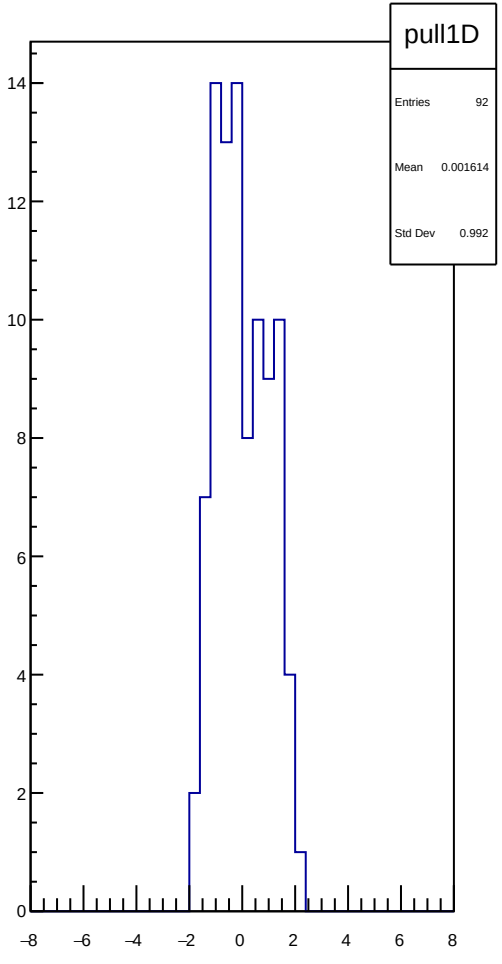

diff_bpmtargetsumX_rms vs run
χ² / ndf 6587 / 91
p0 2.828e+04 ± 21.58
34000
33000
32000
31000
30000
29000
28000
27000
26000
25000

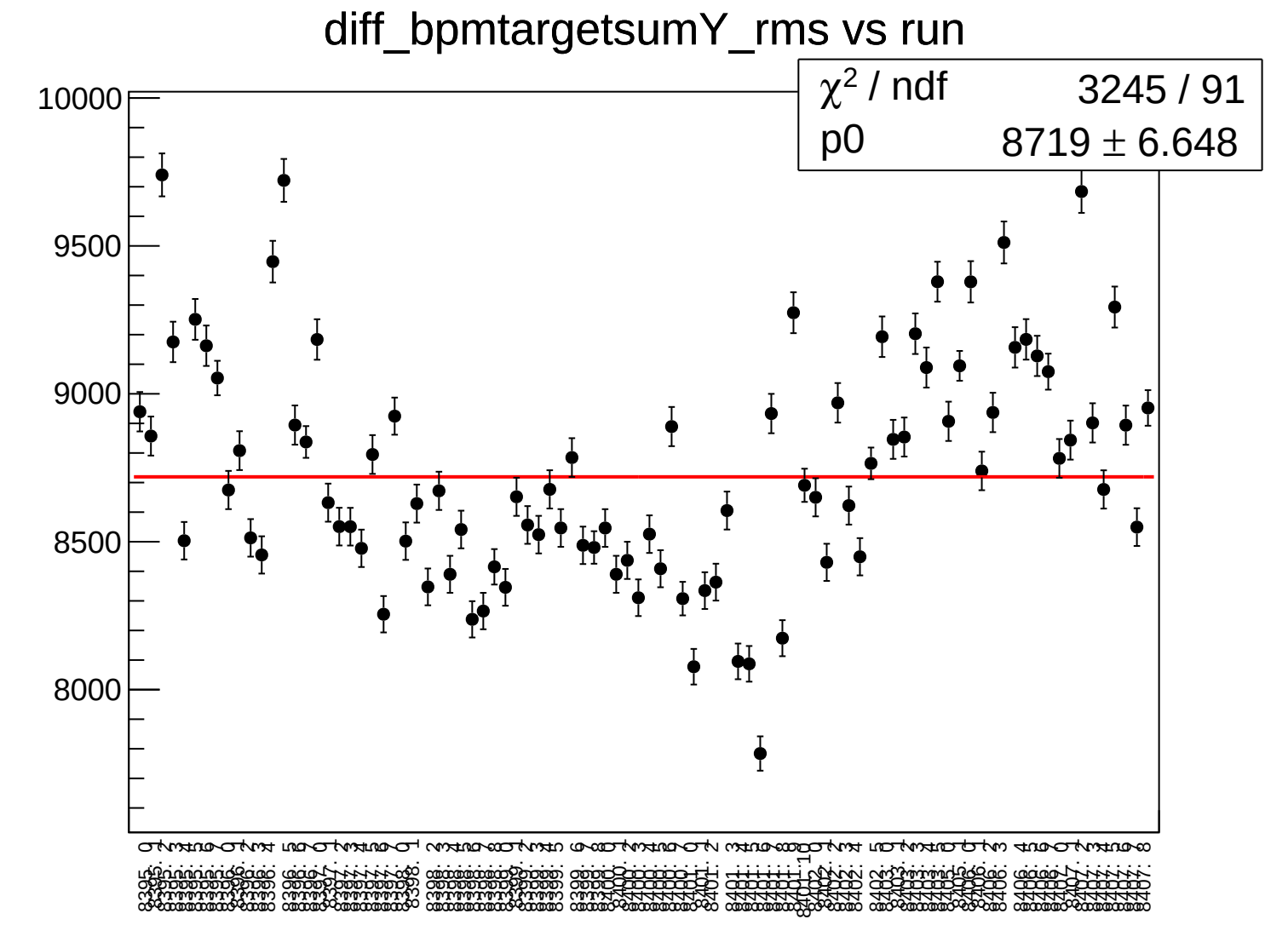

diff_bpmtargetdiffX_mean vs run
χ² / ndf 98.87 / 91
p0 −4.051 ± 1.385
pull
Entries 92
Mean 333.8
Std Dev 0

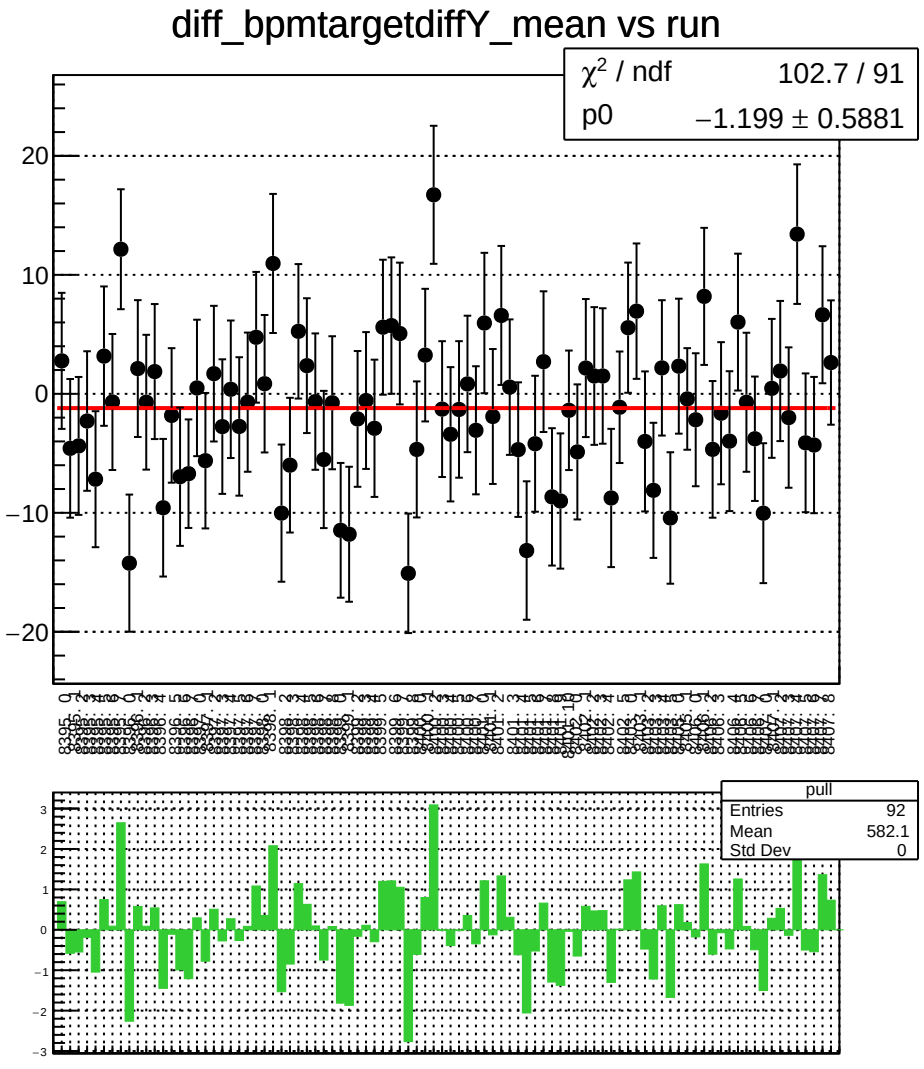

pull1D
Entries 92
Mean 0.004022
Std Dev 1.037

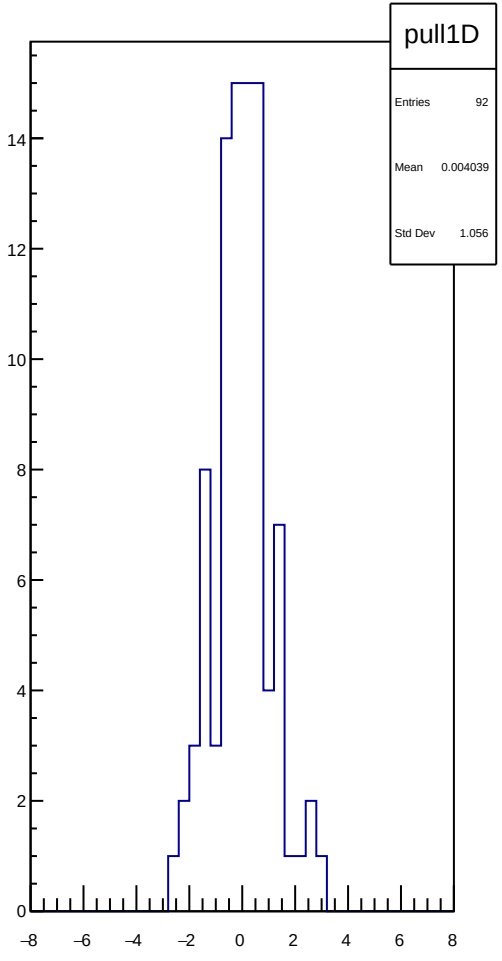

diff_bpmtargetdiffX_rms vs run
$\chi^2$ / ndf 1648 / 91
p0 1285 ± 0.9796
1550
1500
1450
1400
1350
1300
1250
1200

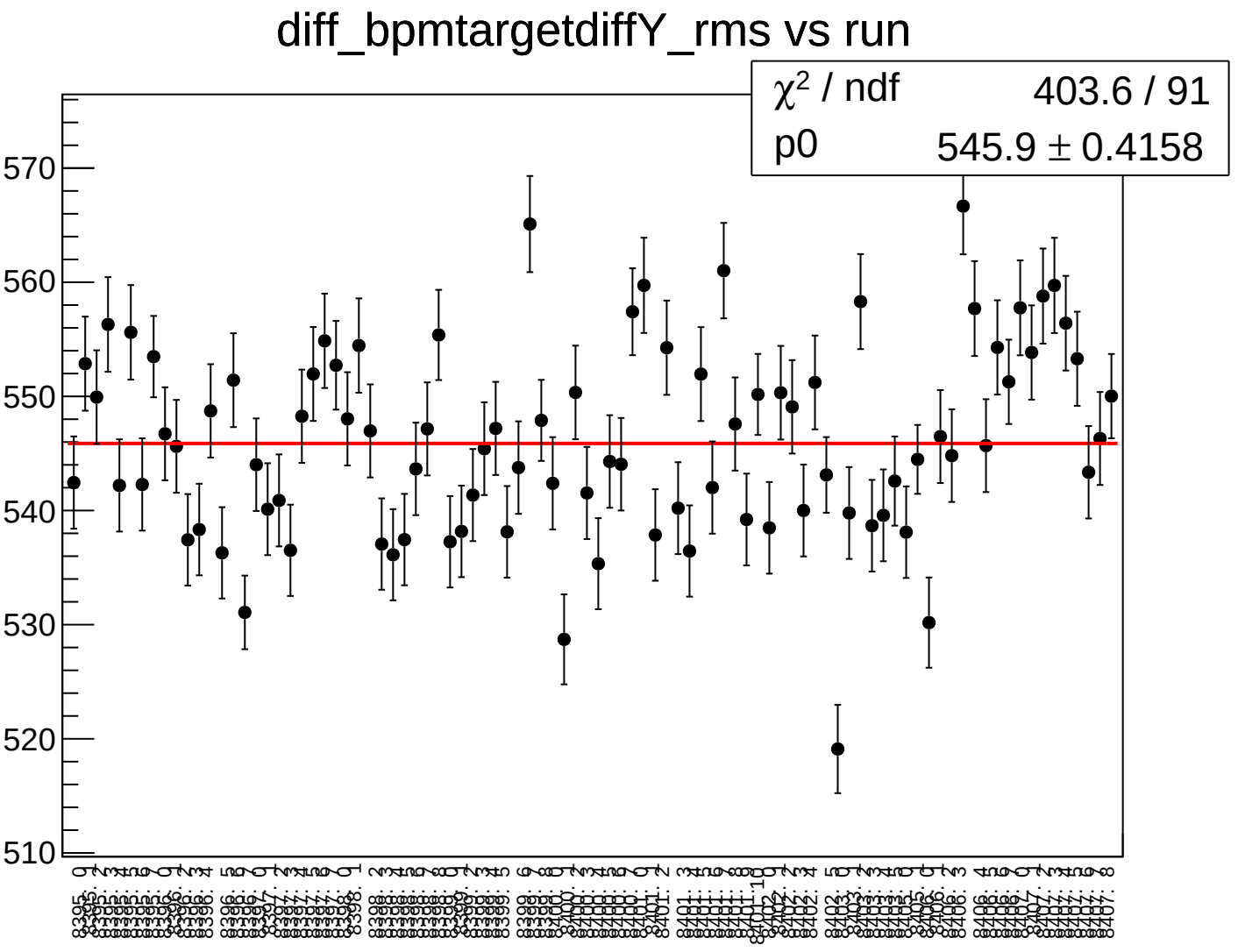

diff_bpmtargetsumY_mean vs run
χ² / ndf 90.53 / 91
p0 8.408 ± 9.401
pull
Entries 92
Mean −870.1
Std Dev 0

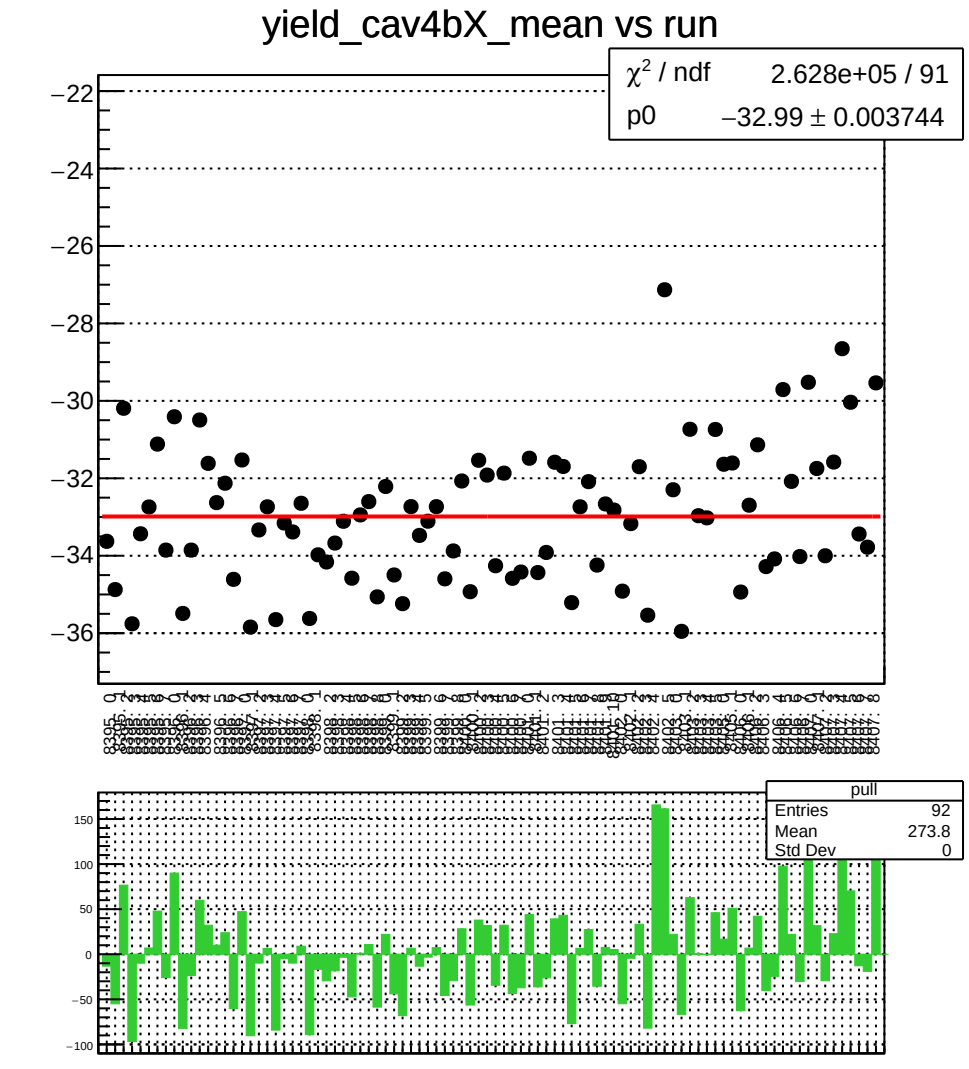

pull1D
Entries 92
Mean 0.001614
Std Dev 0.992

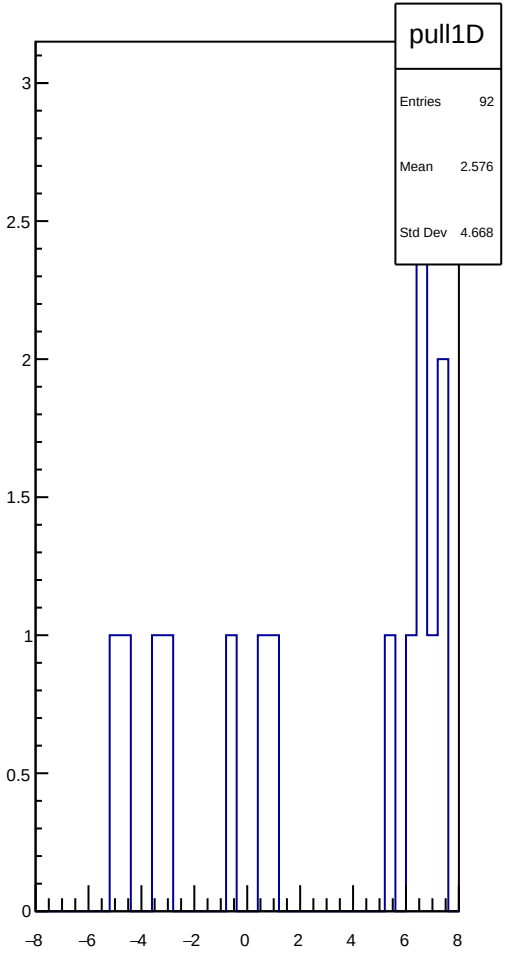

diff_bpmtargetsumY_rms vs run
χ² / ndf 3245 / 91
p0 8719 ± 6.648
10000
9500
9000
8500
8000

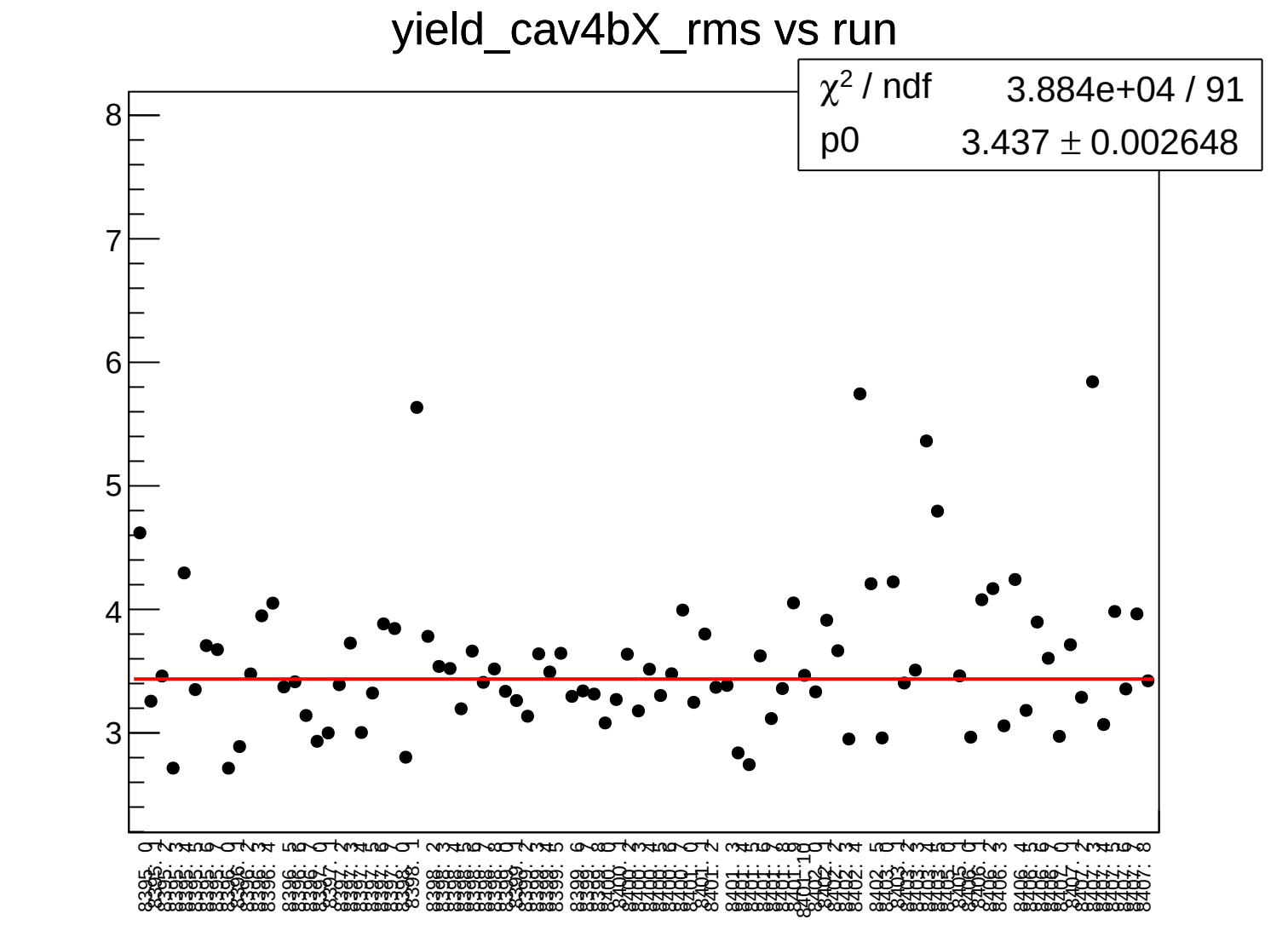

diff_bpmtargetdiffY_mean vs run
χ² / ndf 102.7 / 91
p0 −1.199 ± 0.5881
pull
Entries 92
Mean 582.1
Std Dev 0

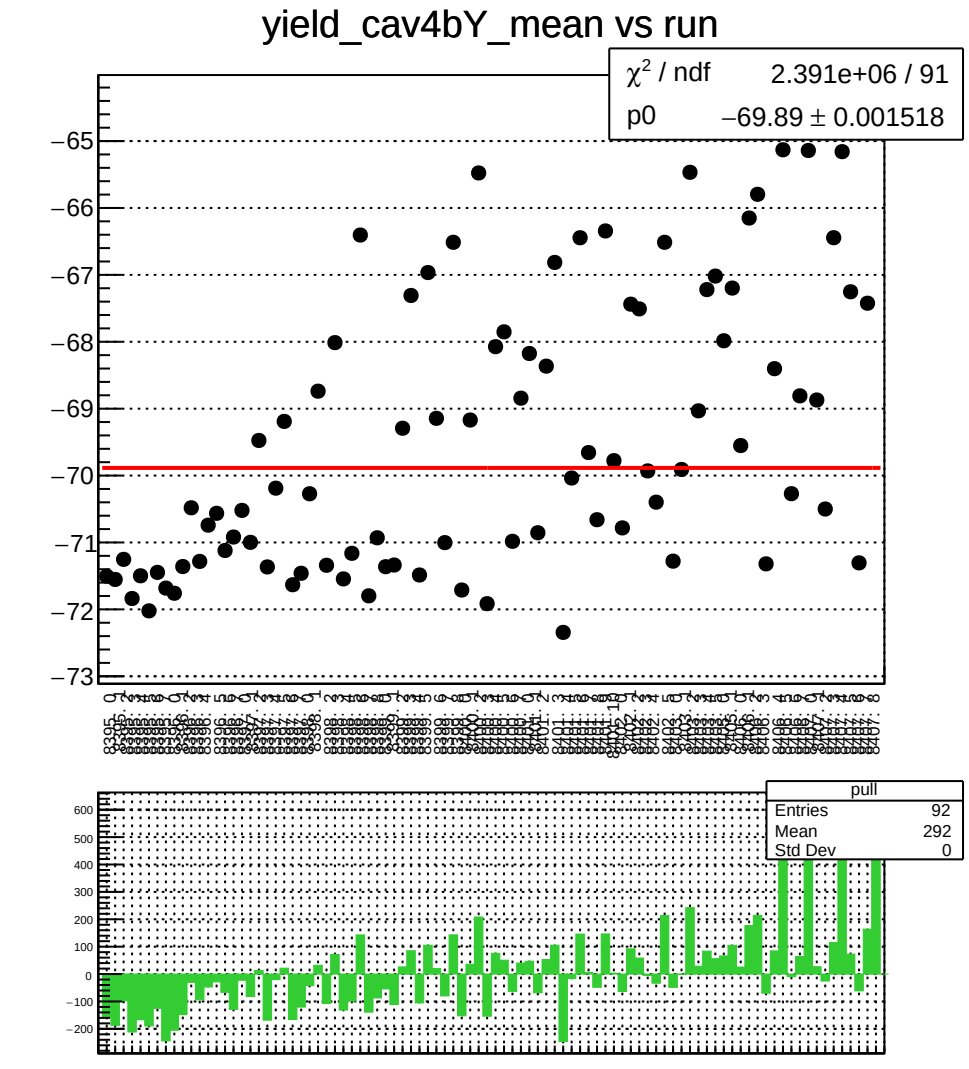

pull1D
Entries 92
Mean 0.004039
Std Dev 1.056

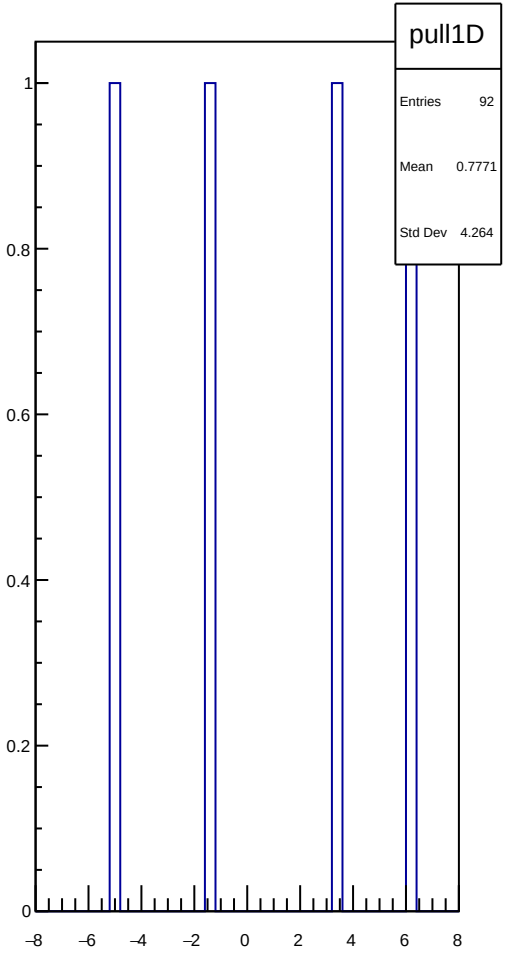

diff_bpmtargetdiffY_rms vs run
χ² / ndf 403.6 / 91
p0 545.9 ± 0.4158
570
560
550
540
530
520
510

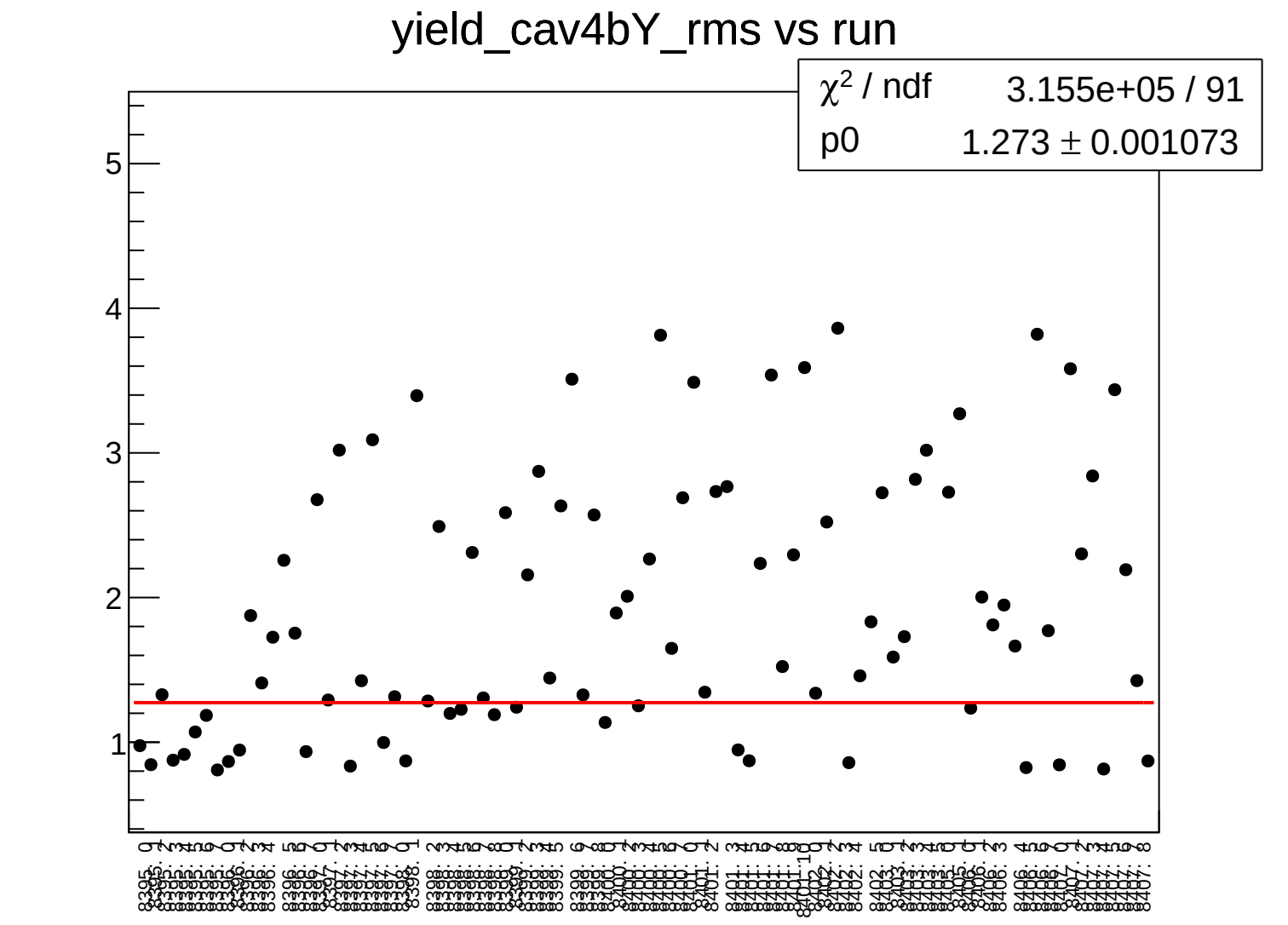

yield_cav4bX_mean vs run
χ² / ndf 2.628e+05 / 91
p0 −32.99 ± 0.003744
pull
Entries 92
Mean 273.8
Std Dev 0

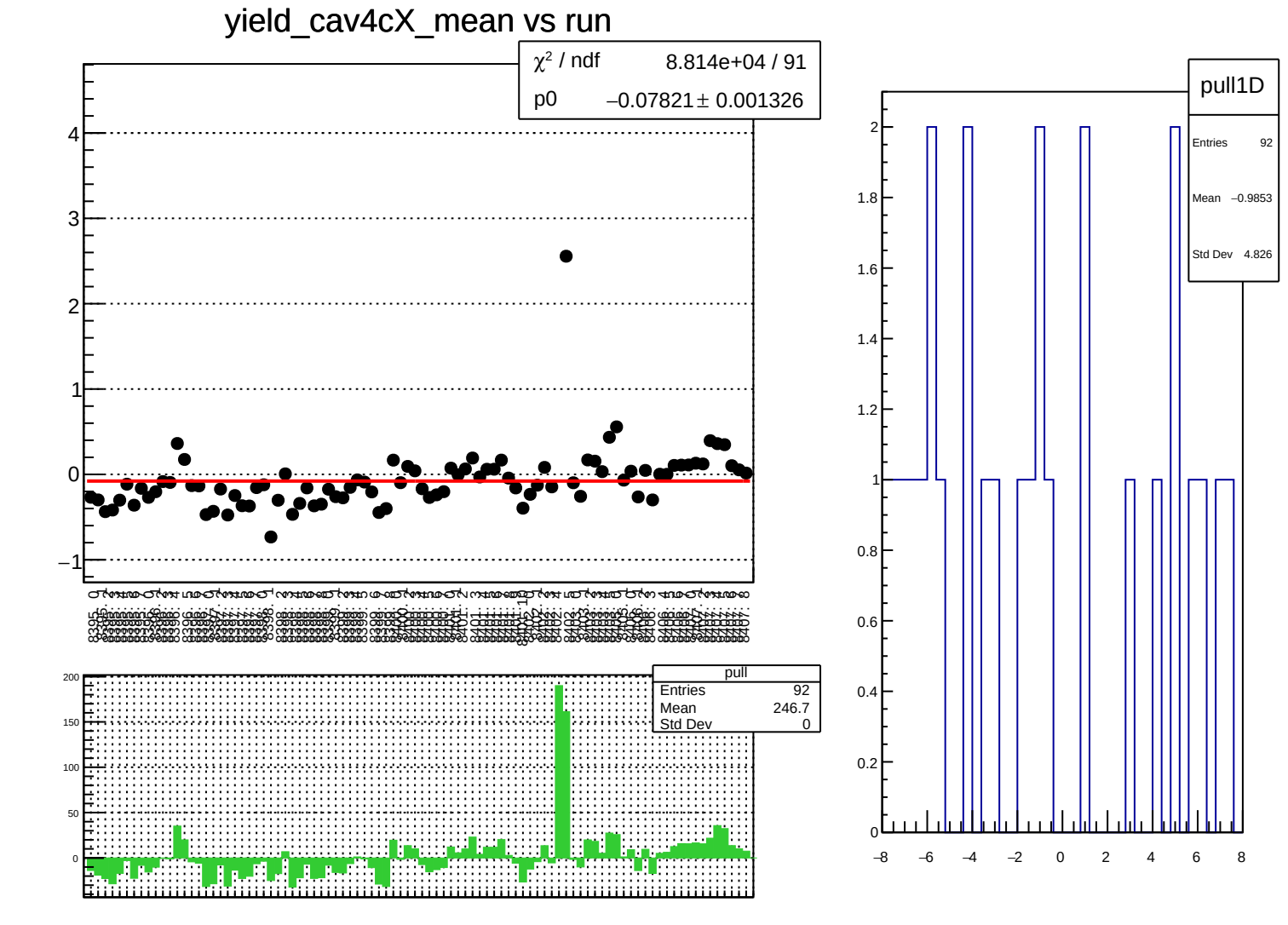

pull1D
Entries 92
Mean 2.576
Std Dev 4.668

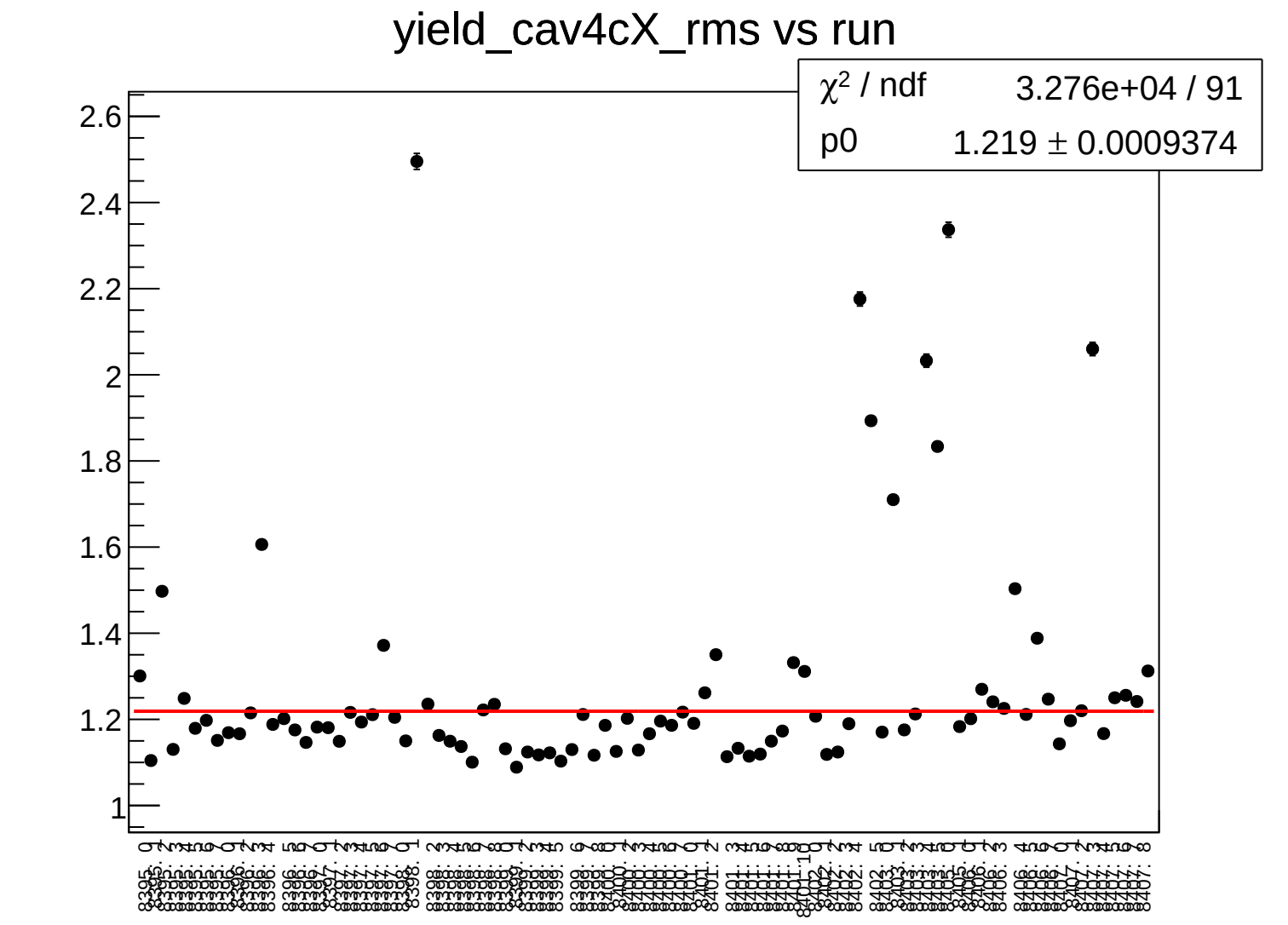

yield_cav4bX_rms vs run
χ² / ndf 3.884e+04 / 91
p0 3.437 ± 0.002648
8
7
6
5
4
3

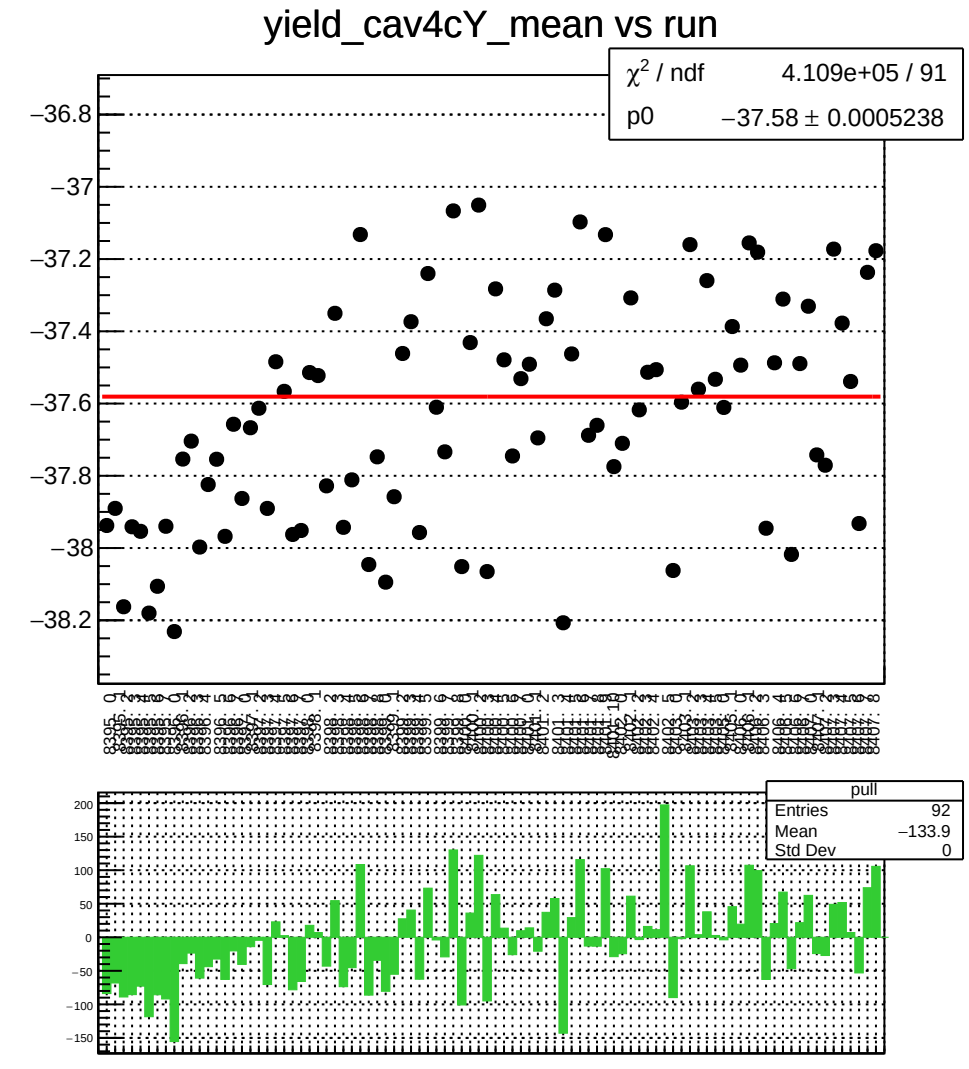

yield_cav4bY_mean vs run
χ² / ndf 2.391e+06 / 91
p0 −69.89 ± 0.001518
−65
−66
−67
−68
−69
−70
−71
−72
−73
pull
Entries 92
Mean 292
Std Dev 0
600
500
400
300
200
100
0
−100
−200

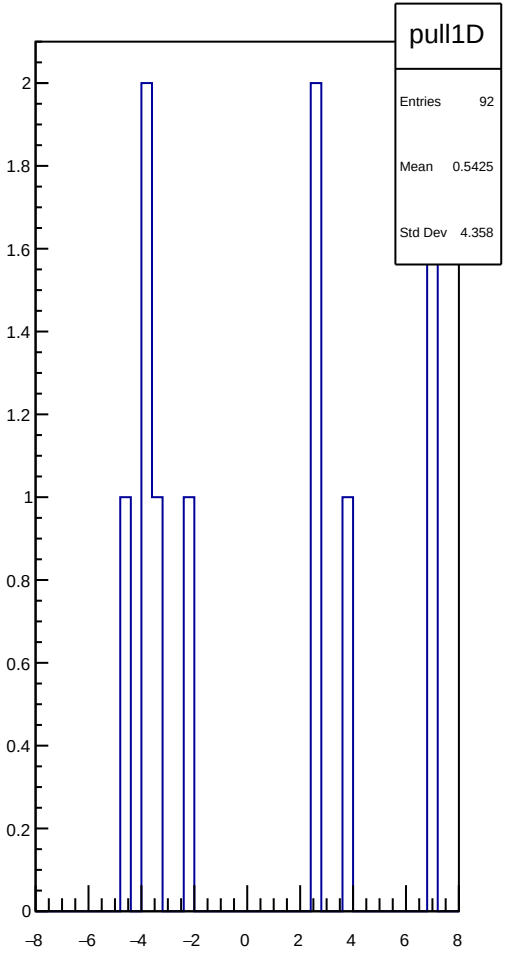

pull1D
Entries 92
Mean 0.7771
Std Dev 4.264
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

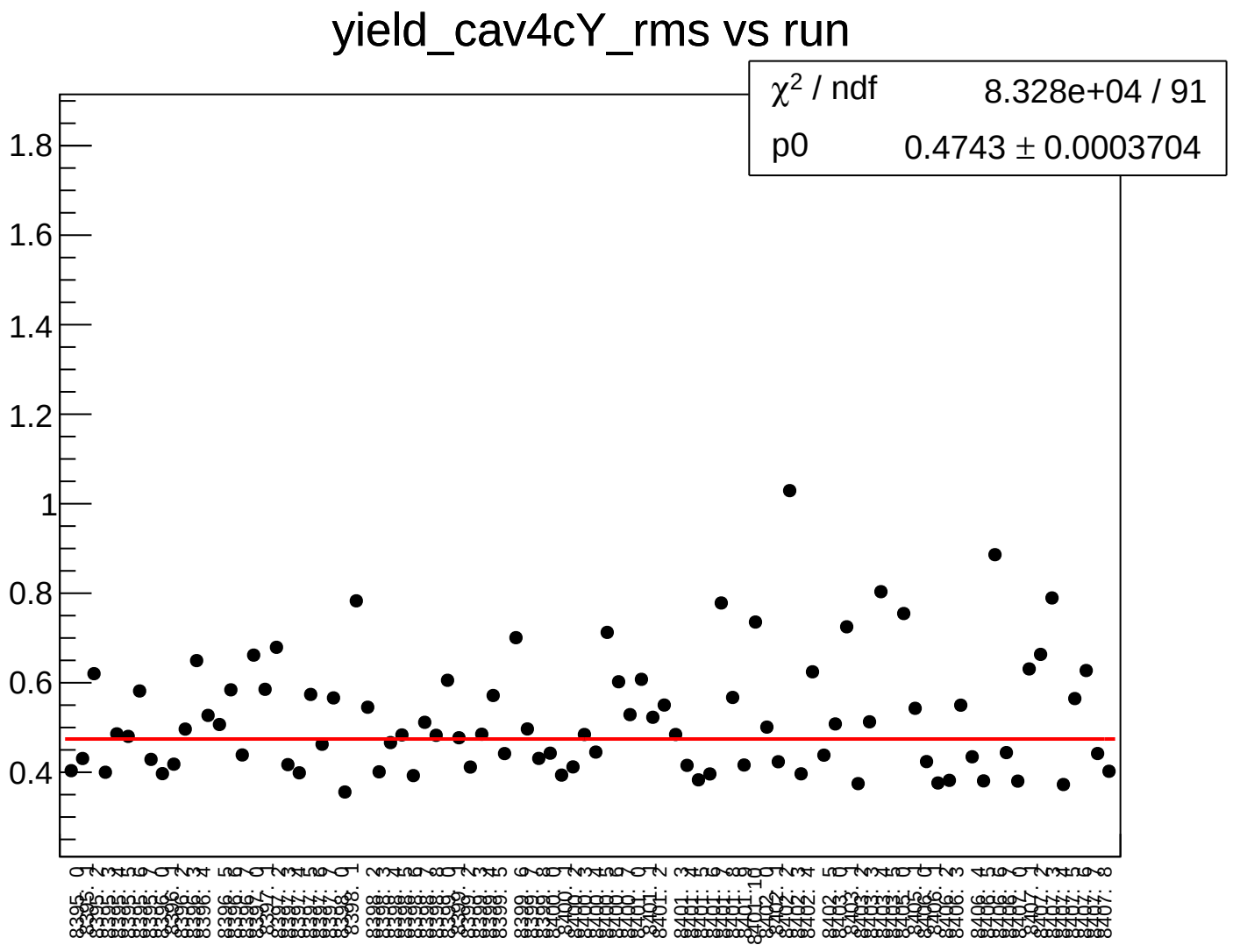

yield_cav4bY_rms vs run
$\chi^2$ / ndf 3.155e+05 / 91
p0 1.273 ± 0.001073
5
4
3
2
1

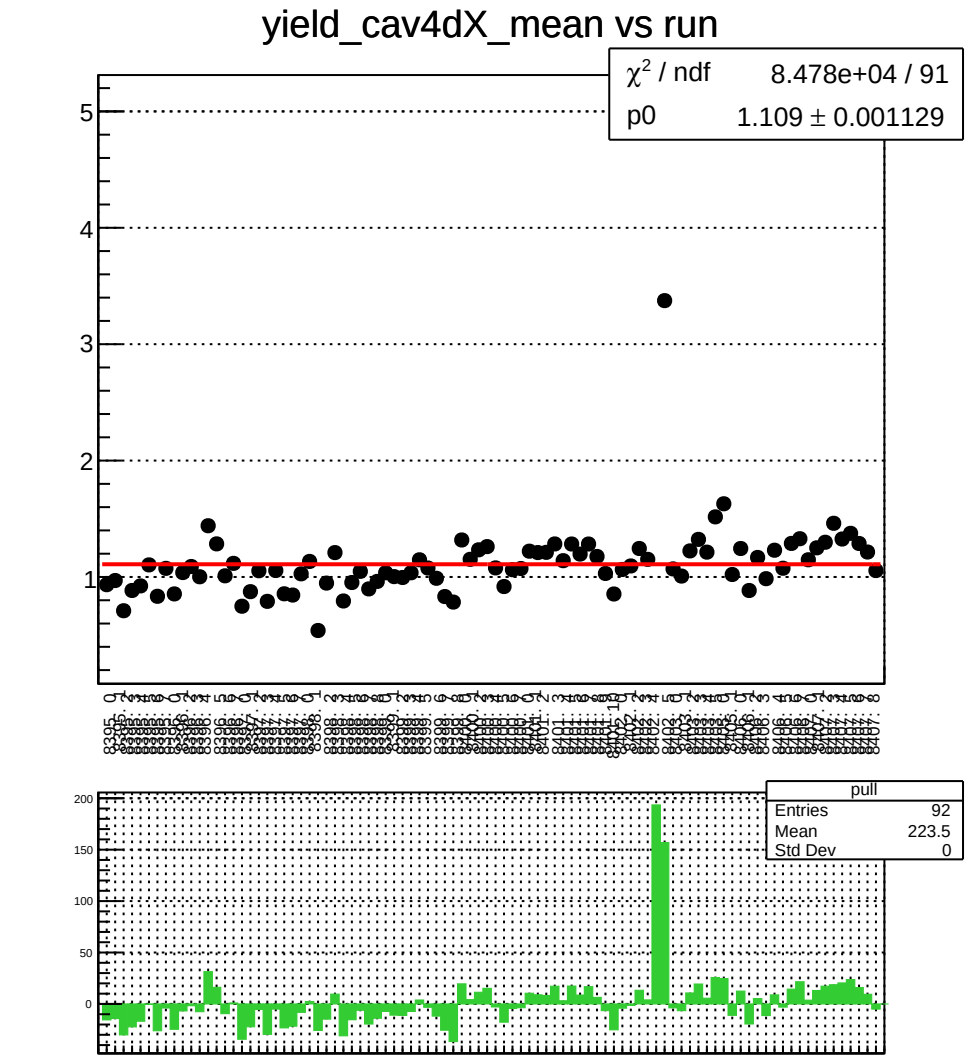

yield_cav4cX_mean vs run
χ² / ndf 8.814e+04 / 91
p0 −0.07821 ± 0.001326
pull
Entries 92
Mean 246.7
Std Dev 0
pull1D
Entries 92
Mean −0.9853
Std Dev 4.826

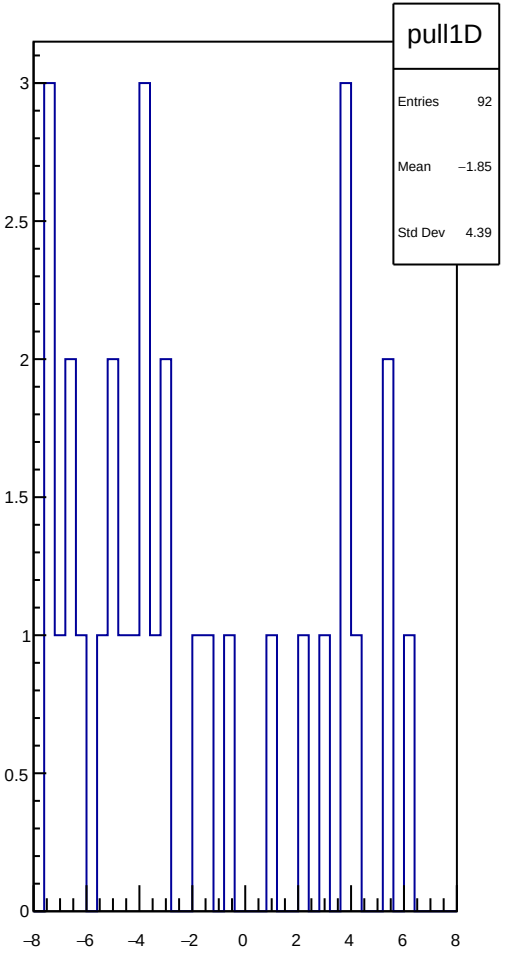

yield_cav4cX_rms vs run
$\chi^2$ / ndf 3.276e+04 / 91
p0 1.219 ± 0.0009374
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1

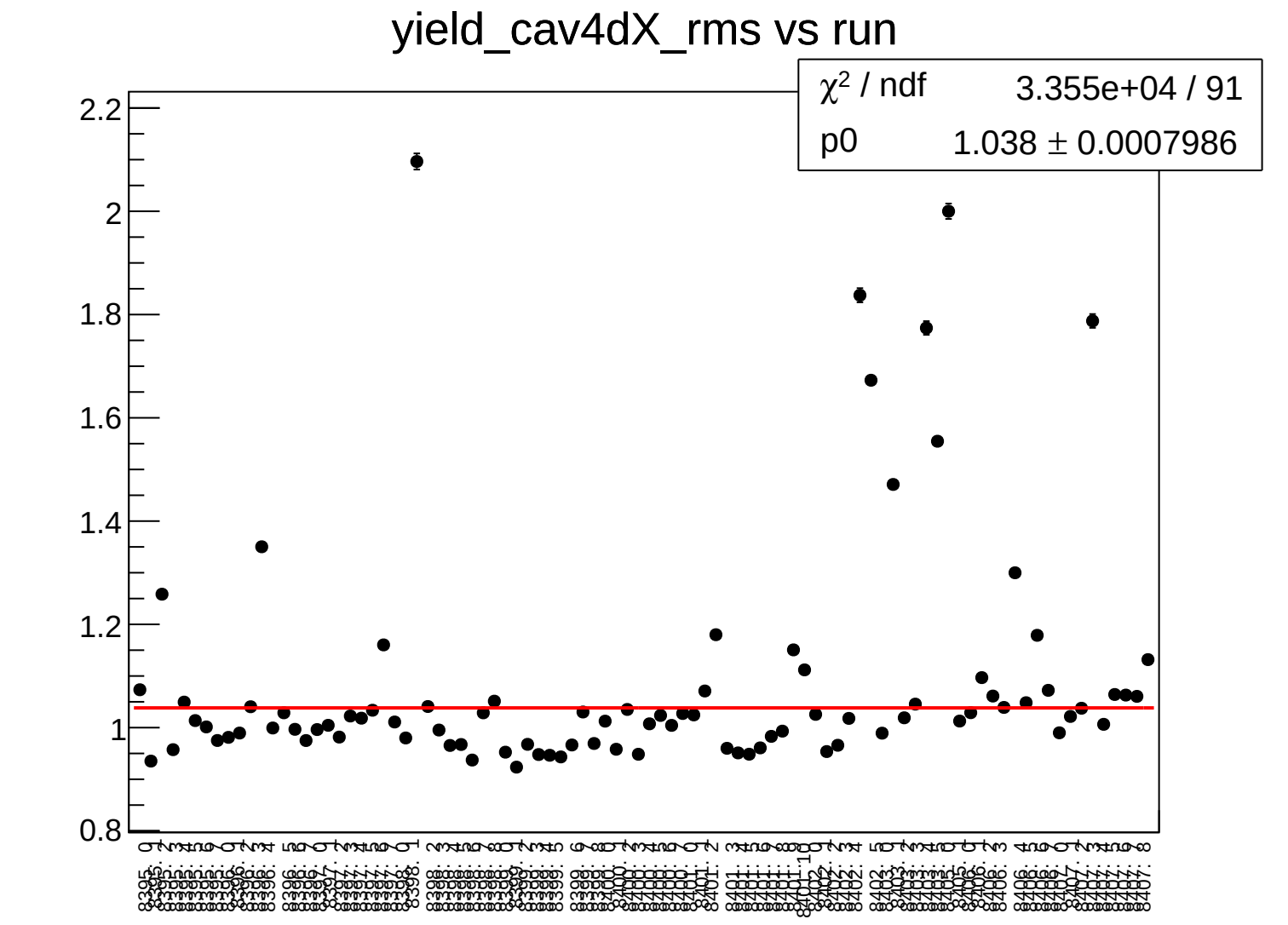

yield_cav4cY_mean vs run
χ² / ndf 4.109e+05 / 91
p0 −37.58 ± 0.0005238
−36.8
−37
−37.2
−37.4
−37.6
−37.8
−38
−38.2
pull
Entries 92
Mean −133.9
Std Dev 0
200
150
100
50
0
−50
−100
−150

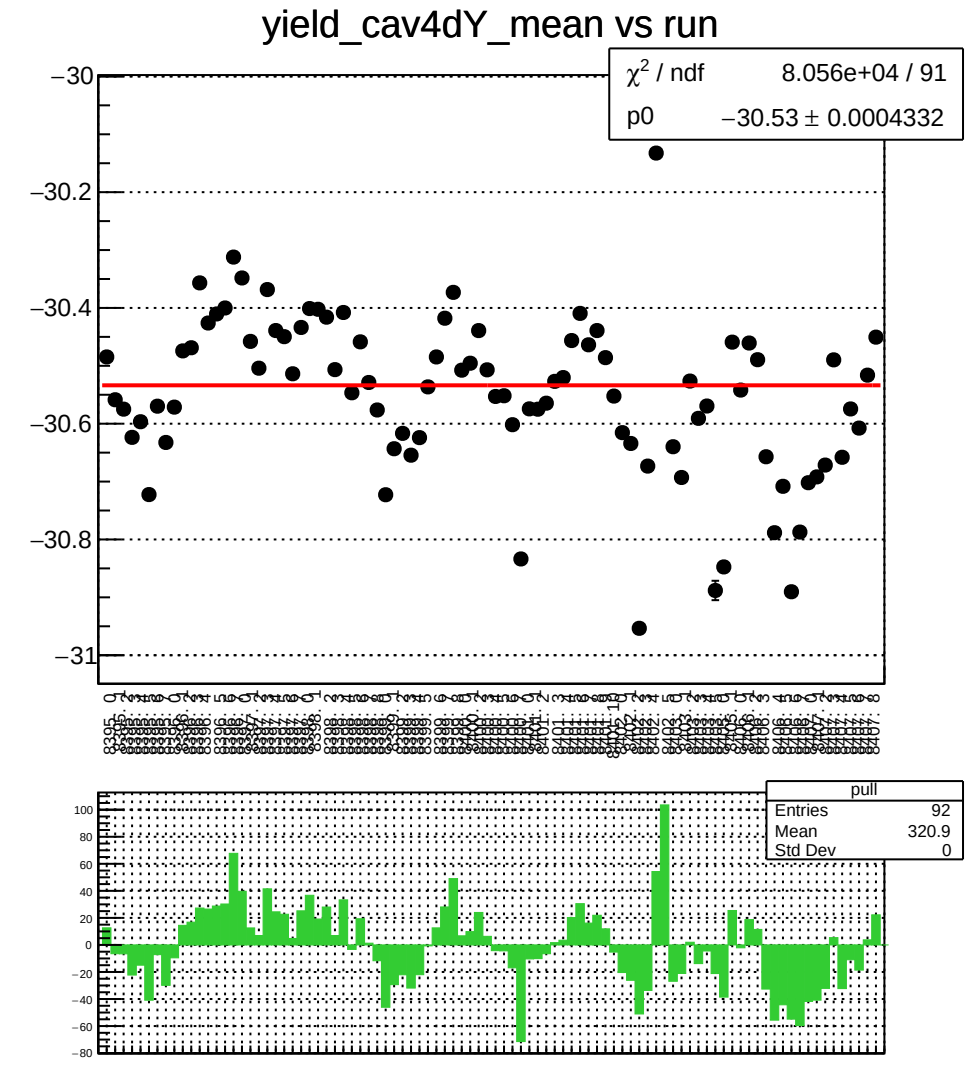

pull1D
Entries 92
Mean 0.5425
Std Dev 4.358
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

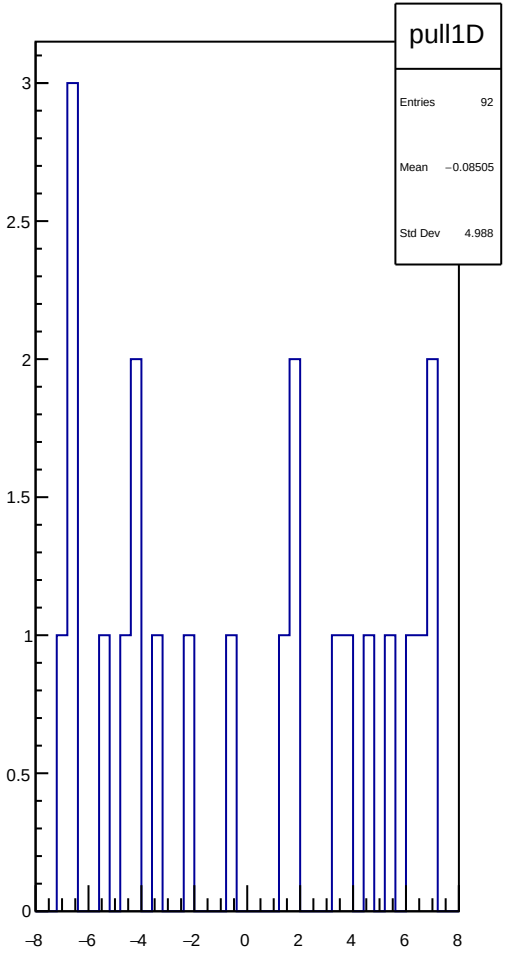

yield_cav4cY_rms vs run
χ² / ndf 8.328e+04 / 91
p0 0.4743 ± 0.0003704
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

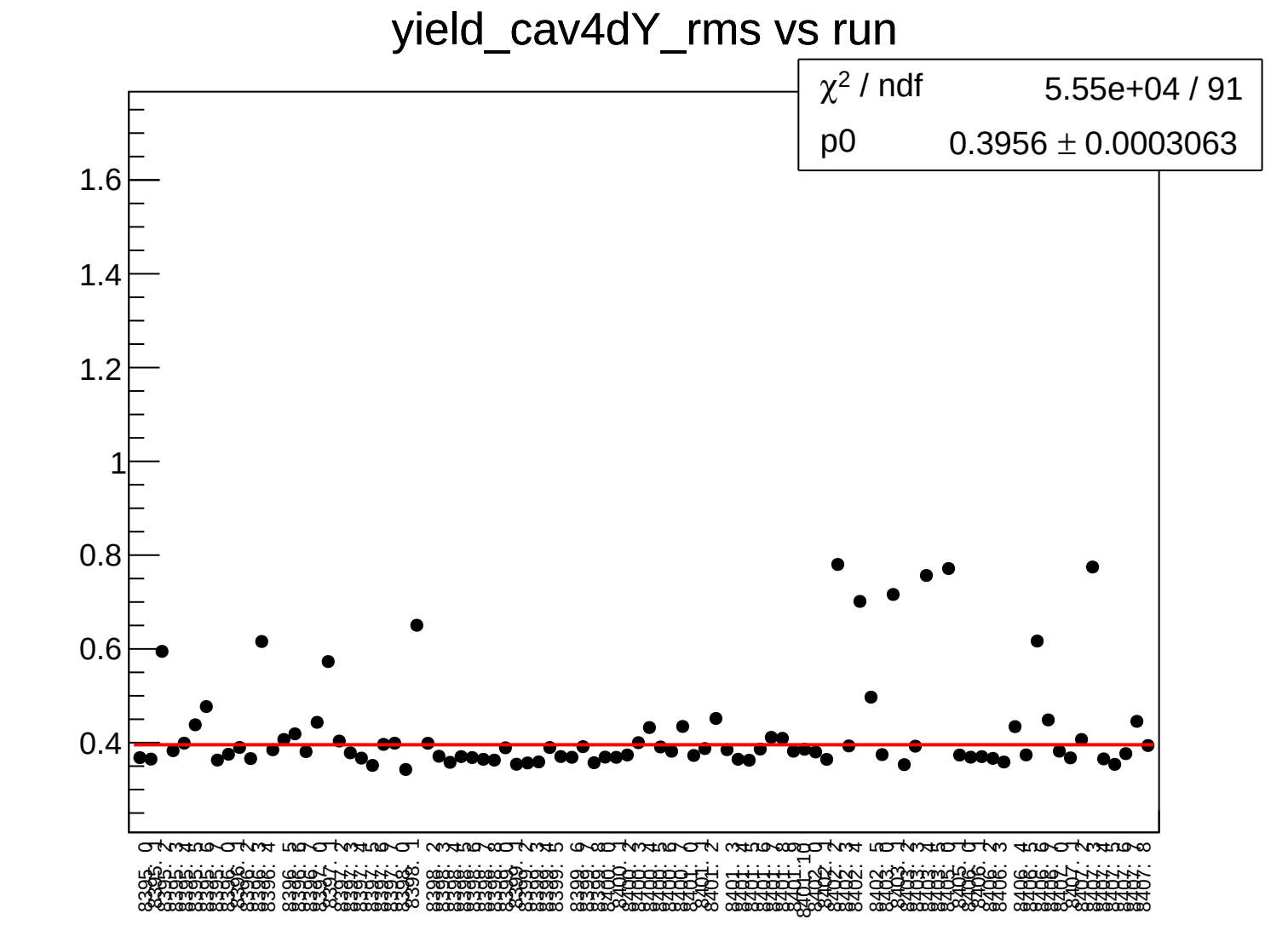

yield_cav4dX_mean vs run
χ² / ndf 8.478e+04 / 91
p0 1.109 ± 0.001129
pull
Entries 92
Mean 223.5
Std Dev 0

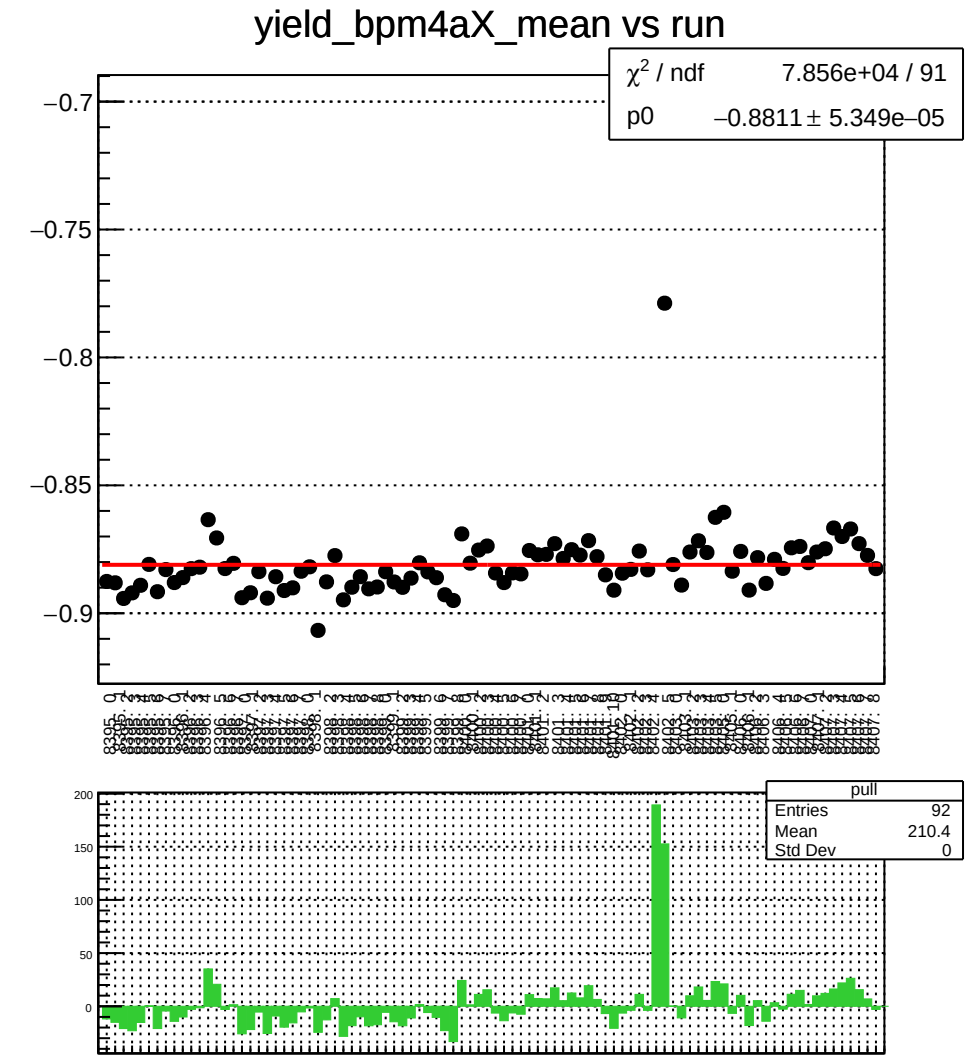

pull1D
Entries 92
Mean −1.85
Std Dev 4.39

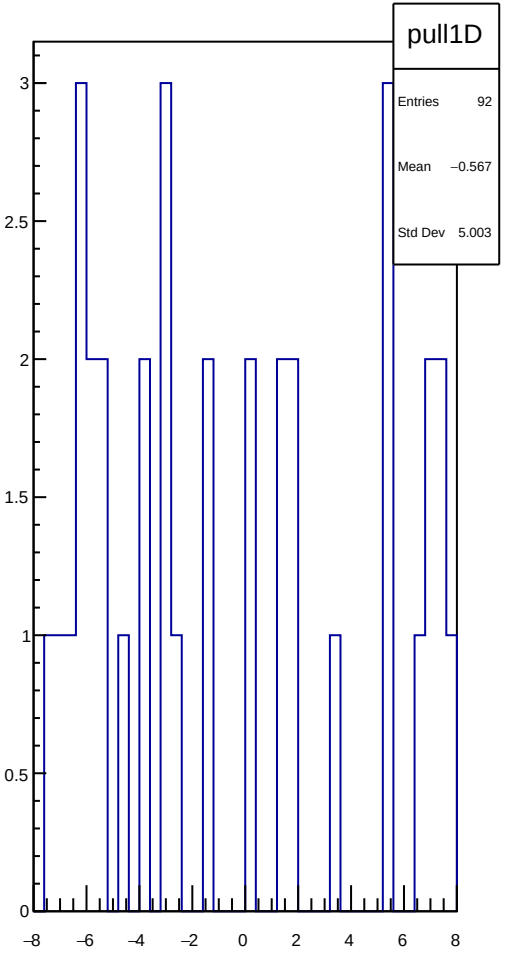

yield_cav4dX_rms vs run
χ² / ndf 3.355e+04 / 91
p0 1.038 ± 0.0007986
2.2
2
1.8
1.6
1.4
1.2
1
0.8

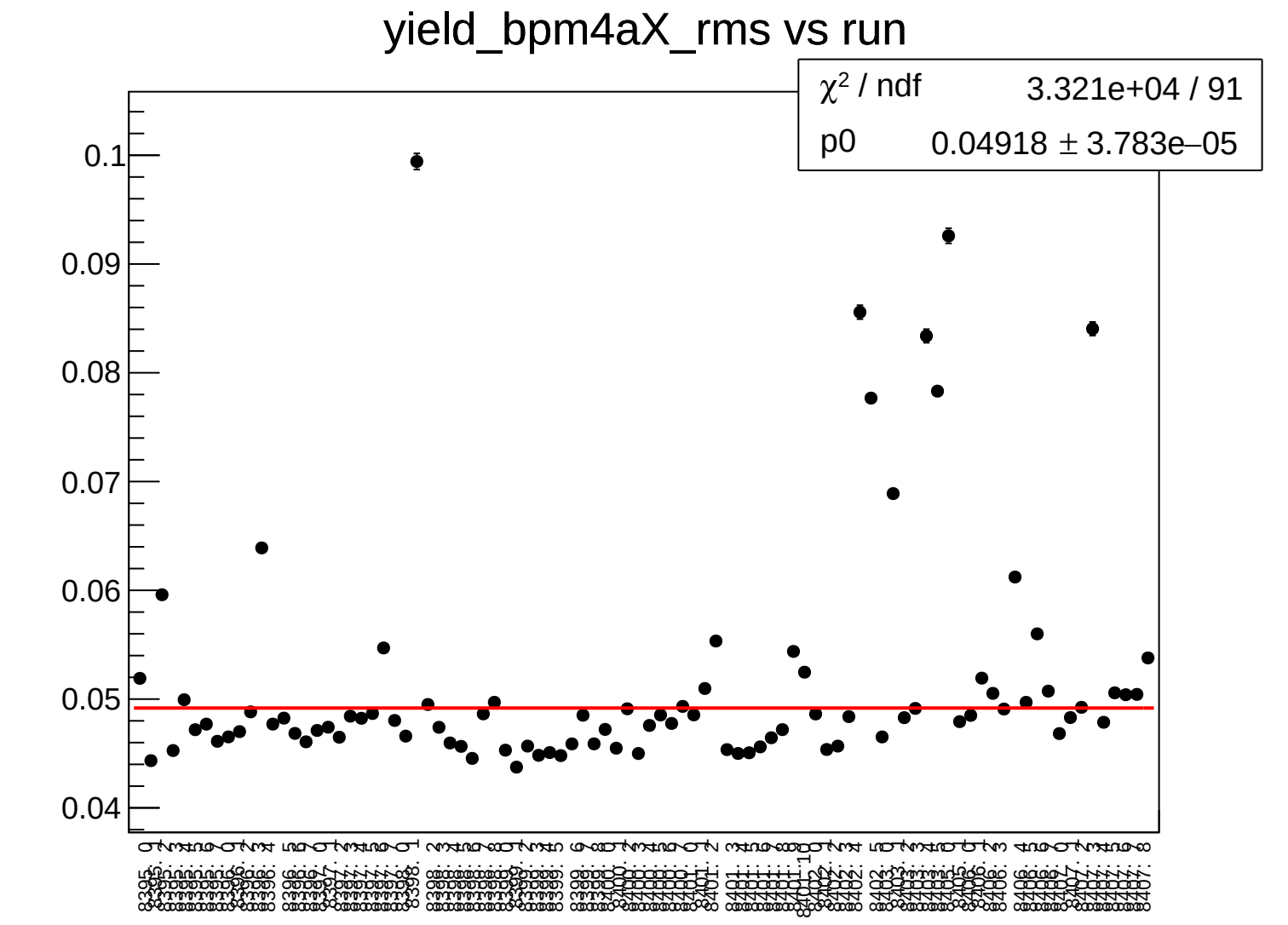

yield_cav4dY_mean vs run
χ² / ndf 8.056e+04 / 91
p0 −30.53 ± 0.0004332
−30
−30.2
−30.4
−30.6
−30.8
−31
pull
Entries 92
Mean 320.9
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

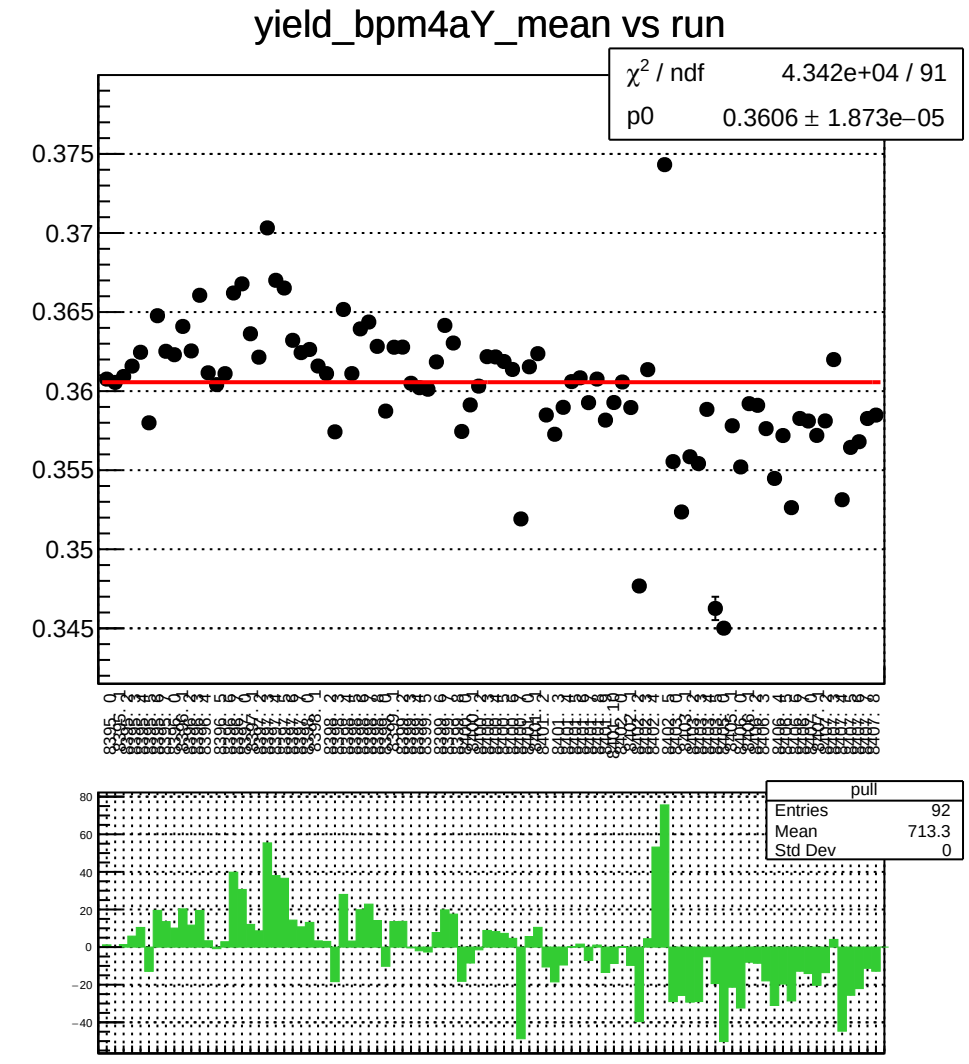

pull1D
Entries 92
Mean −0.08505
Std Dev 4.988
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

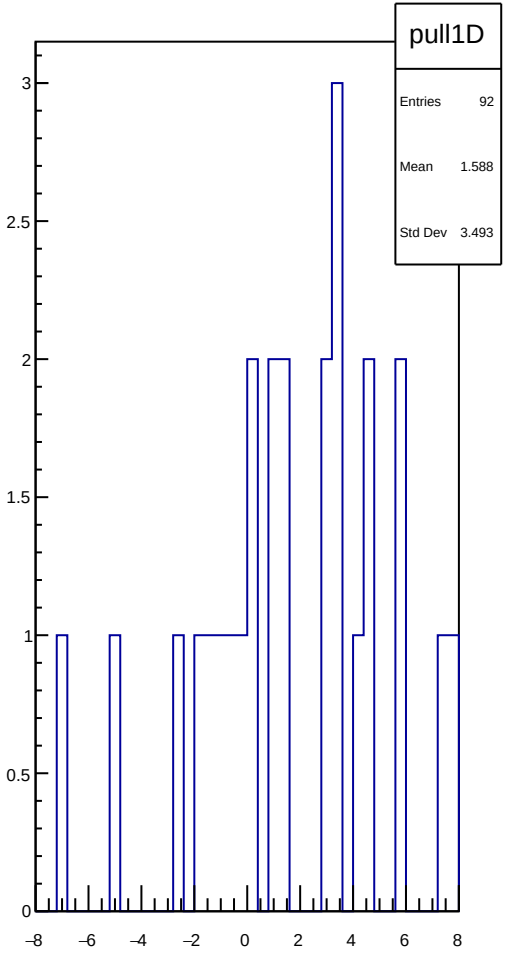

yield_cav4dY_rms vs run
χ² / ndf 5.55e+04 / 91
p0 0.3956 ± 0.0003063
1.6
1.4
1.2
1
0.8
0.6
0.4

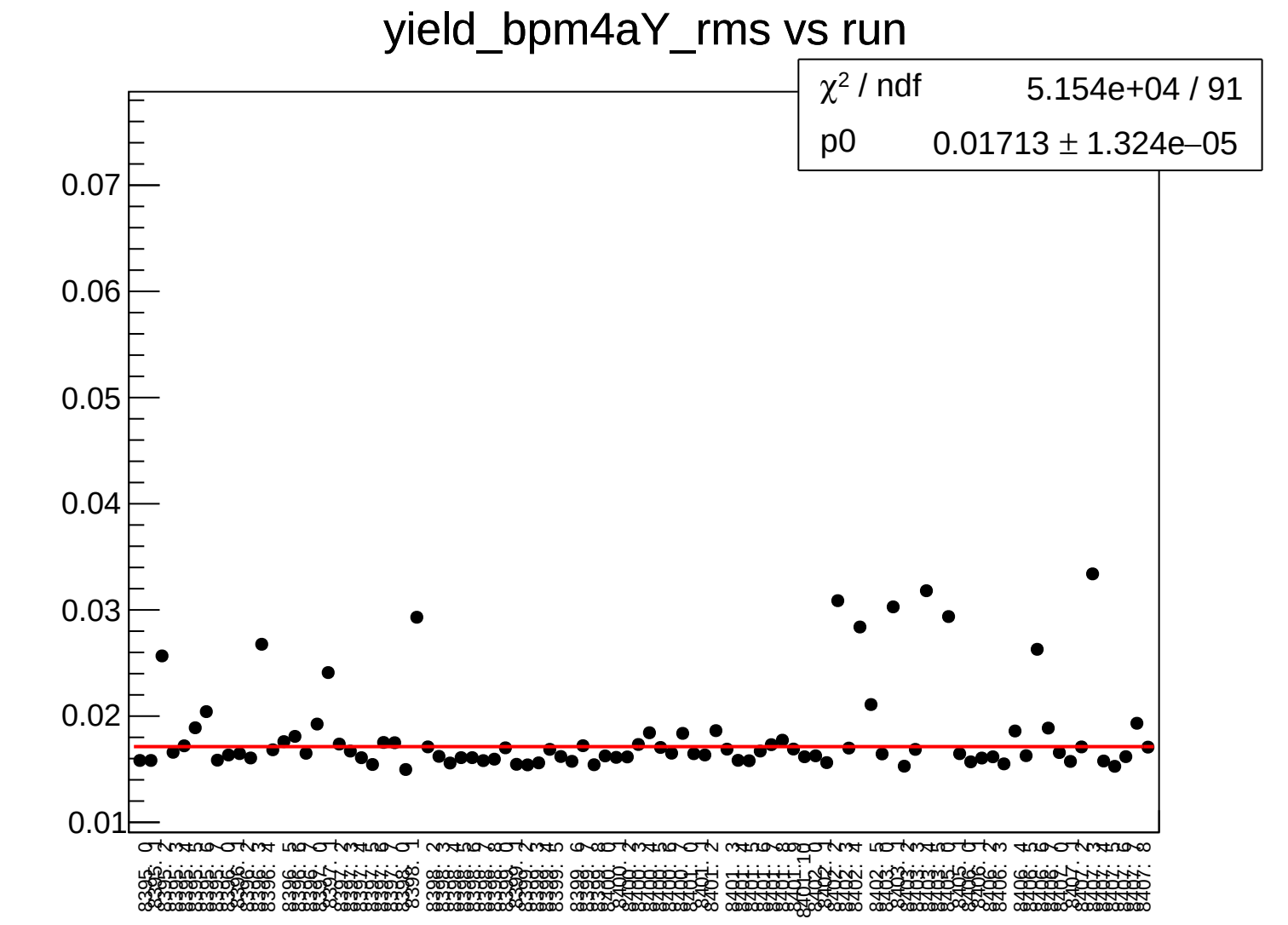

yield_bpm4aX_mean vs run
χ² / ndf 7.856e+04 / 91
p0 −0.8811 ± 5.349e−05
−0.7
−0.75
−0.8
−0.85
−0.9
pull
Entries 92
Mean 210.4
Std Dev 0
200
150
100
50
0

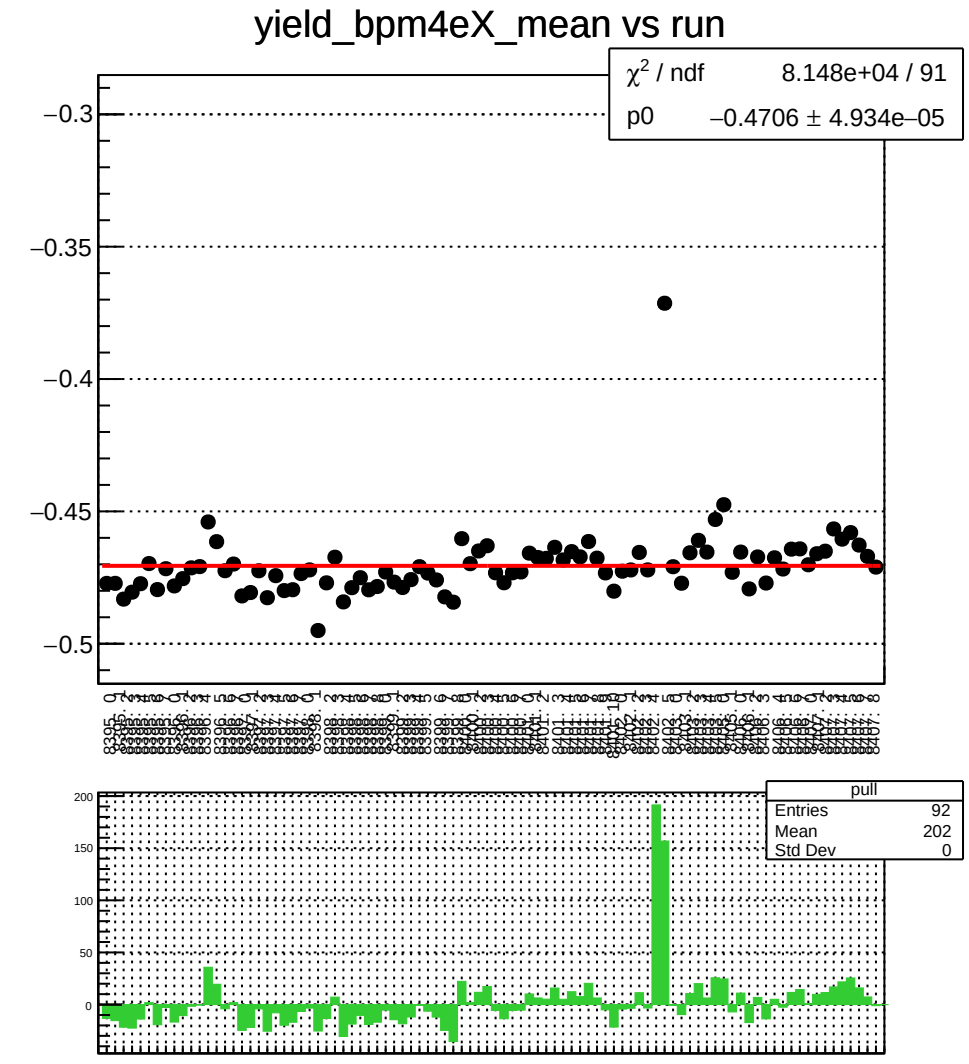

pull1D
Entries 92
Mean −0.567
Std Dev 5.003
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

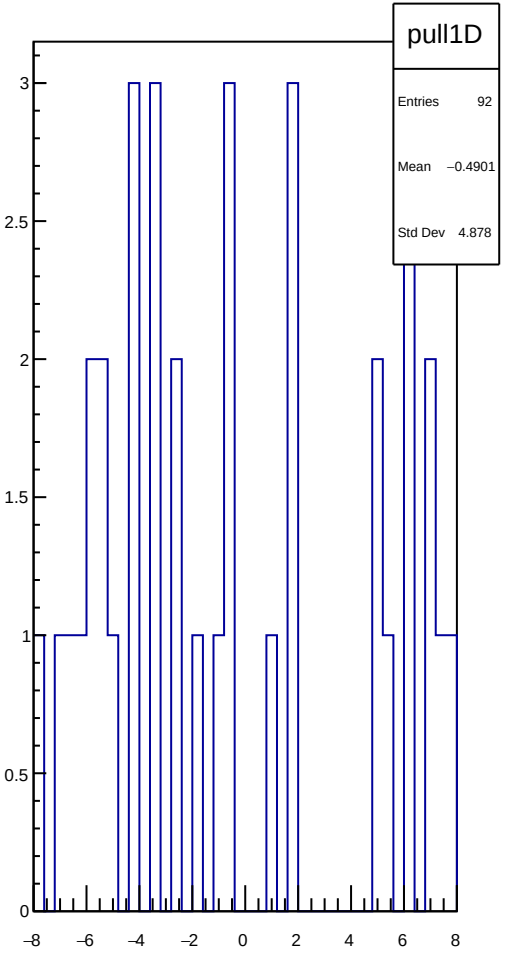

yield_bpm4aX_rms vs run
χ² / ndf 3.321e+04 / 91
p0 0.04918 ± 3.783e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

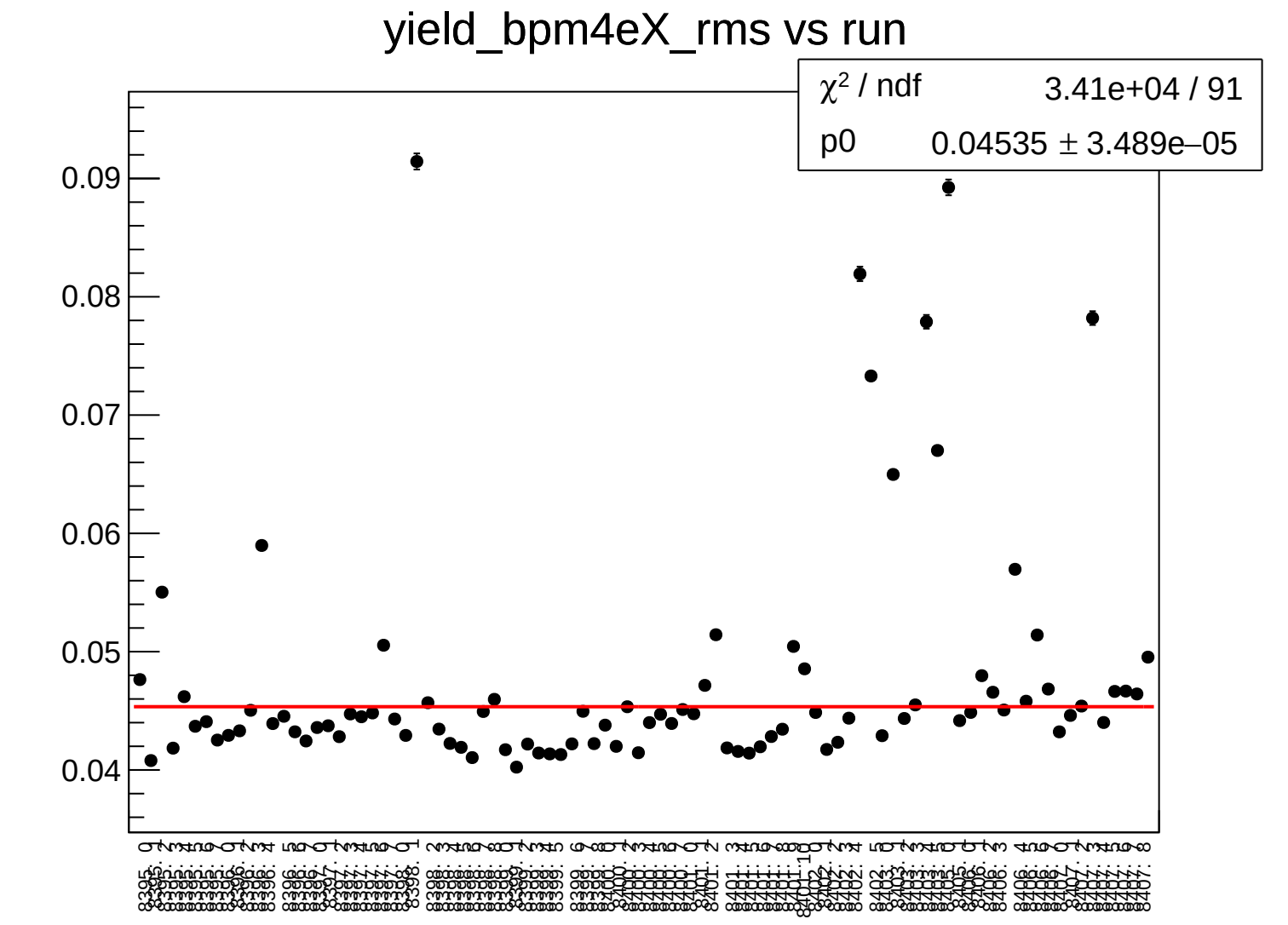

yield_bpm4aY_mean vs run
χ² / ndf 4.342e+04 / 91
p0 0.3606 ± 1.873e−05
0.375
0.37
0.365
0.36
0.355
0.35
0.345
pull
Entries 92
Mean 713.3
Std Dev 0
80
60
40
20
0
−20
−40

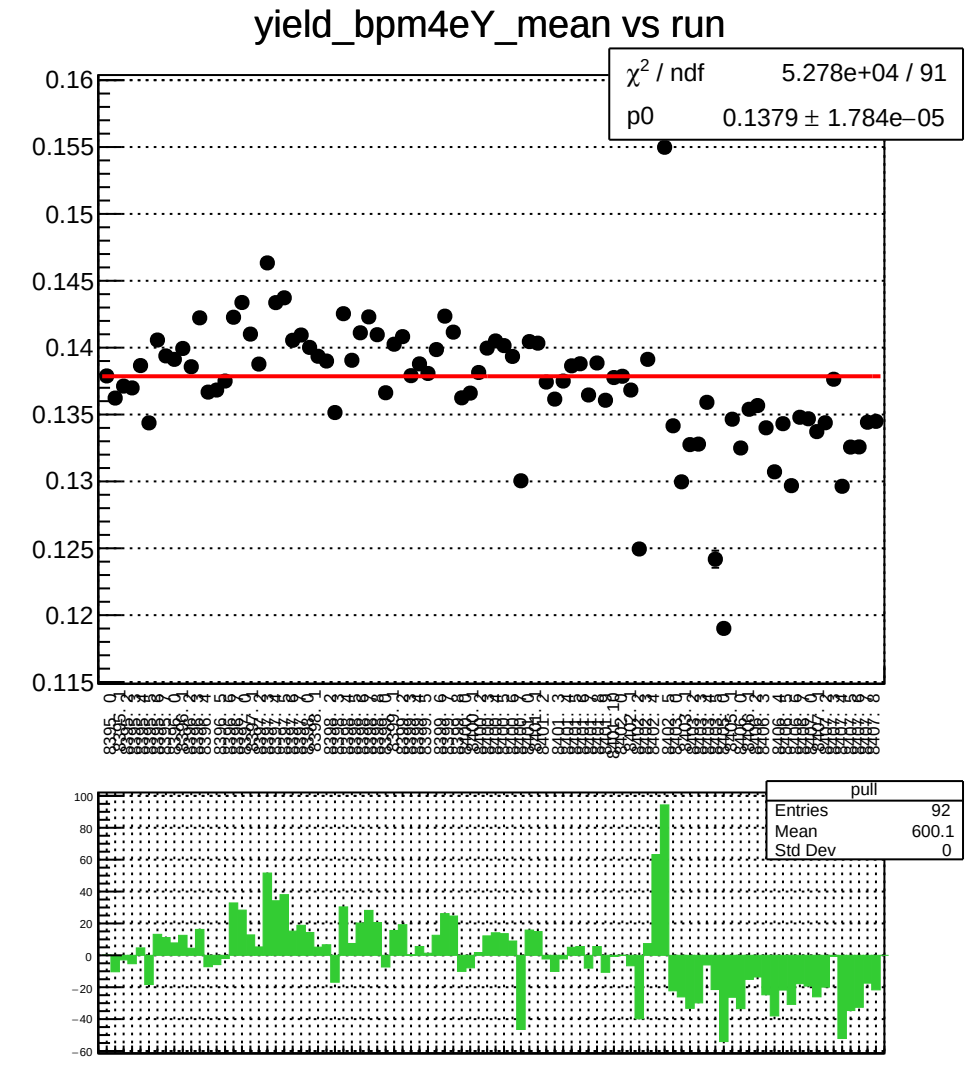

pull1D
Entries 92
Mean 1.588
Std Dev 3.493
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

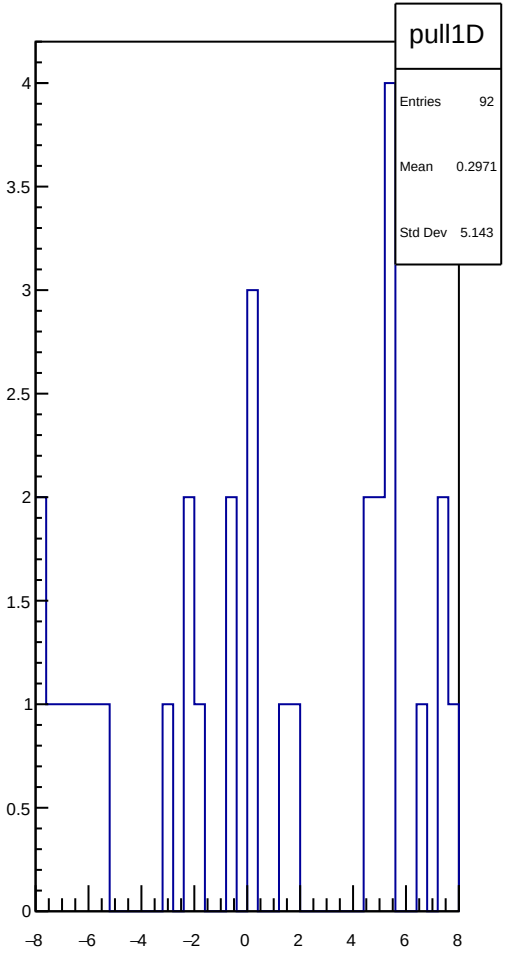

yield_bpm4aY_rms vs run
χ² / ndf 5.154e+04 / 91
p0 0.01713 ± 1.324e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

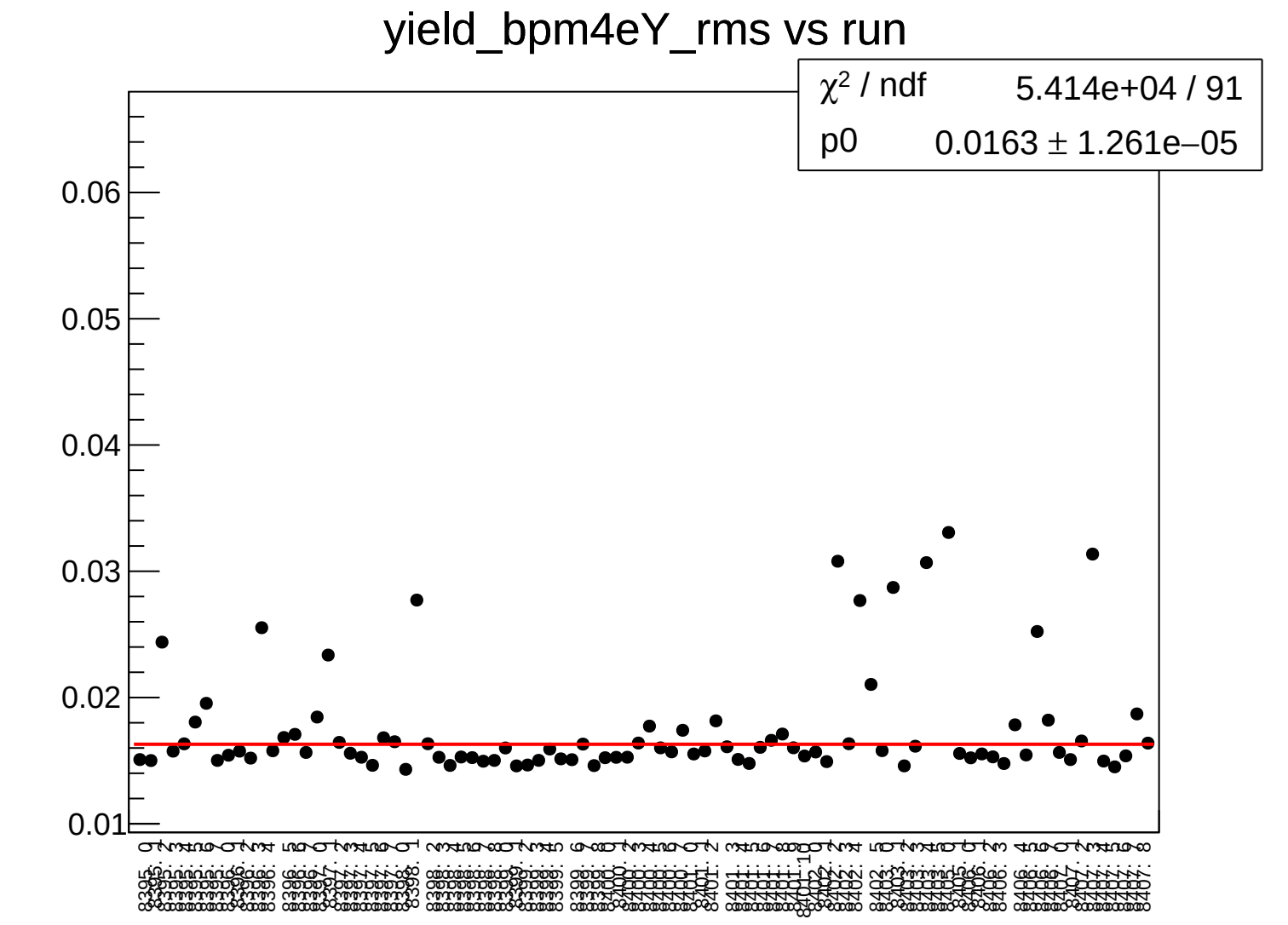

yield_bpm4eX_mean vs run
χ² / ndf 8.148e+04 / 91
p0 −0.4706 ± 4.934e−05
−0.3
−0.35
−0.4
−0.45
−0.5
pull
Entries 92
Mean 202
Std Dev 0
200
150
100
50
0

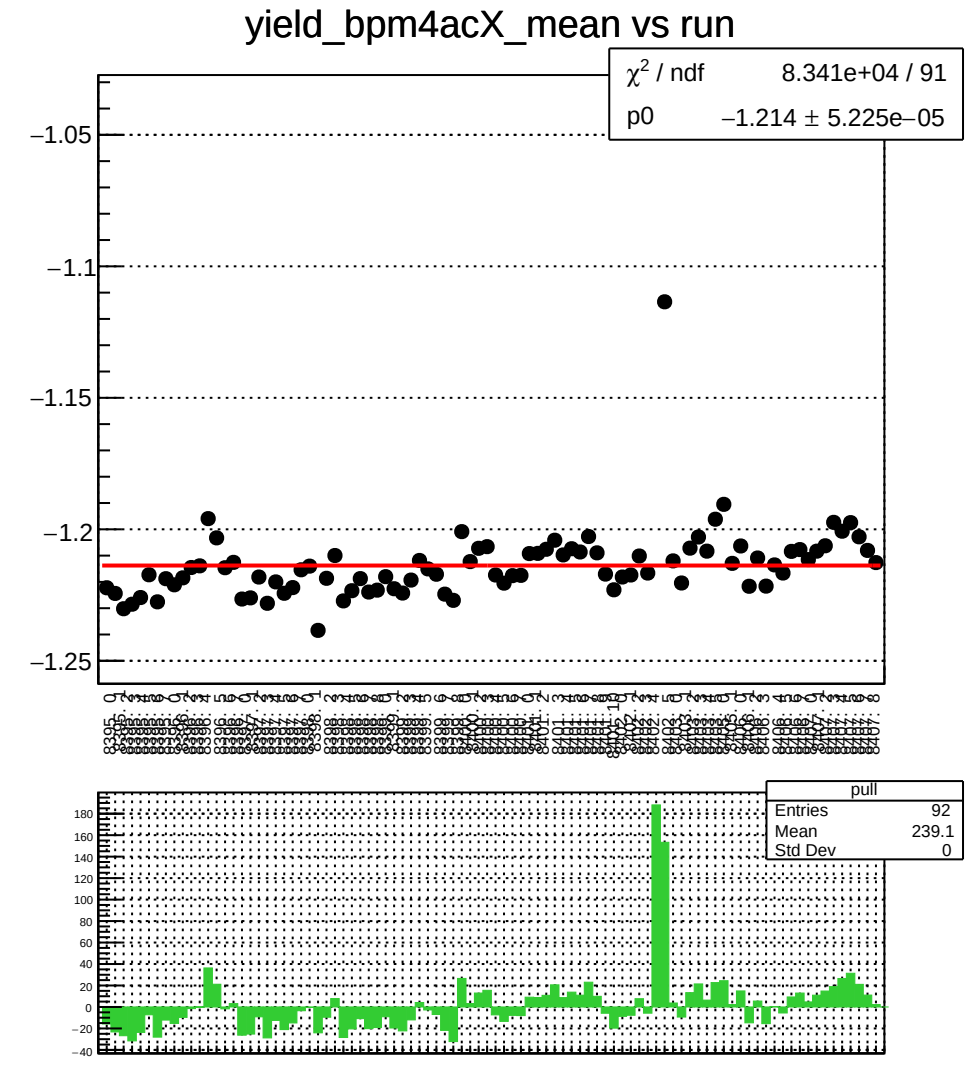

pull1D
Entries 92
Mean −0.4901
Std Dev 4.878
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

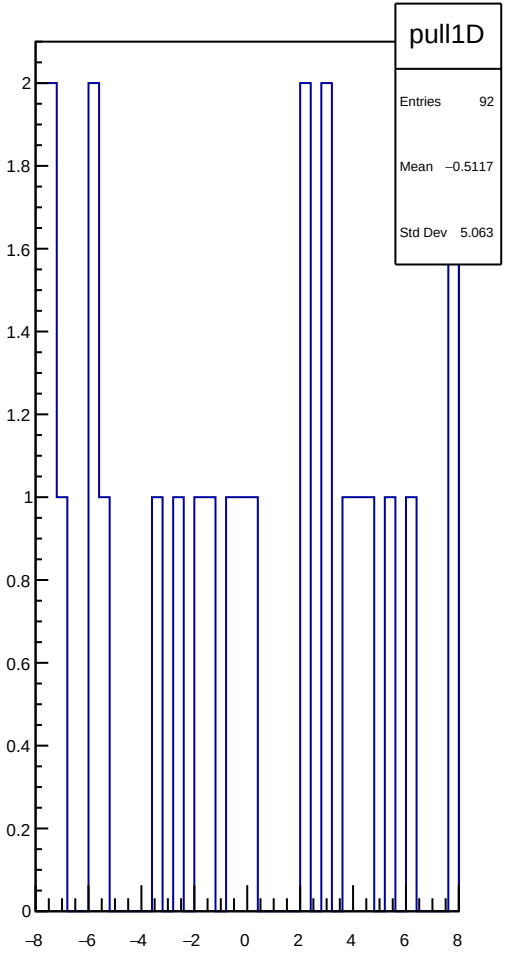

yield_bpm4eX_rms vs run
χ² / ndf 3.41e+04 / 91
p0 0.04535 ± 3.489e–05
0.09
0.08
0.07
0.06
0.05
0.04

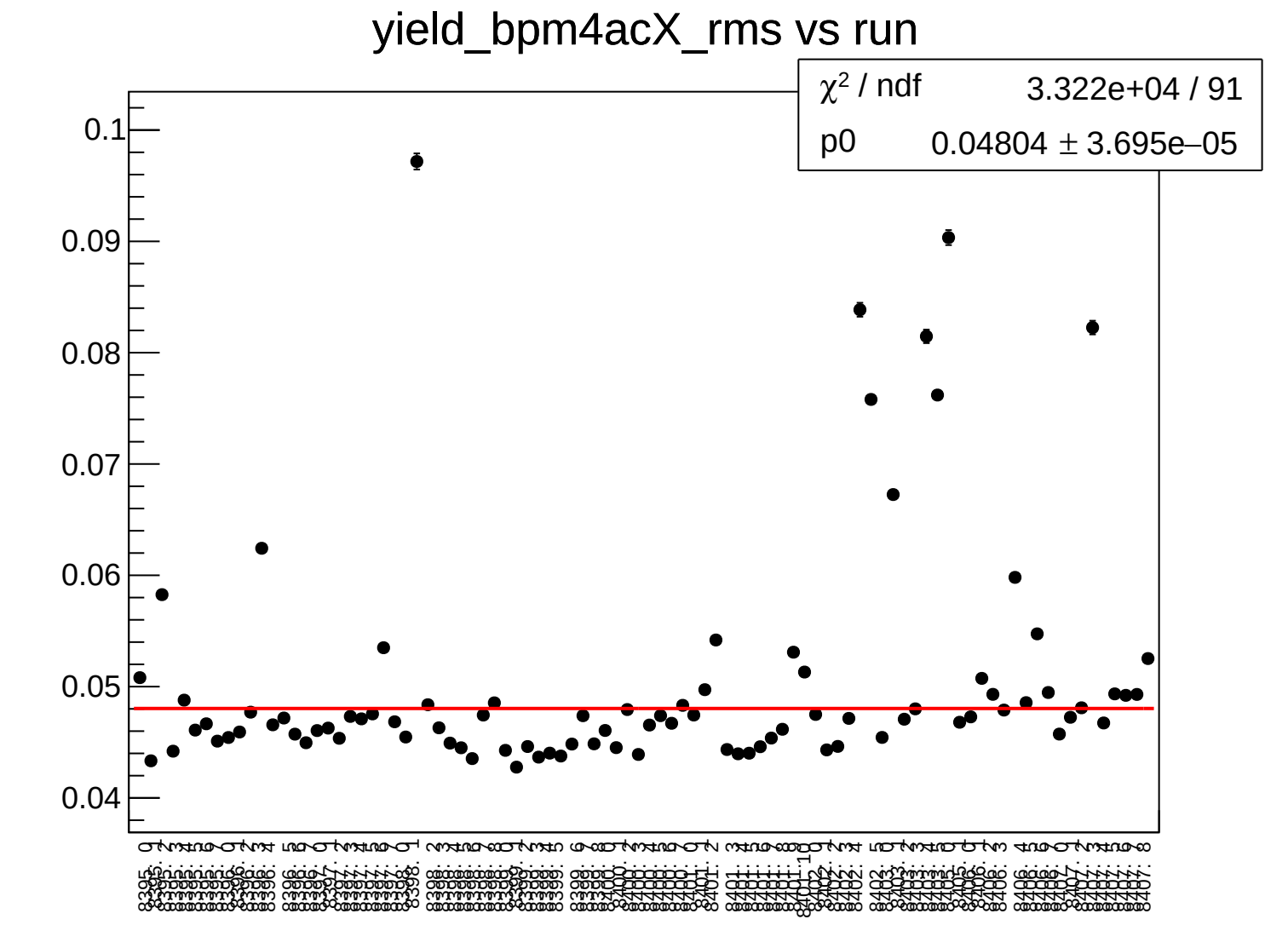

yield_bpm4eY_mean vs run
χ² / ndf 5.278e+04 / 91
p0 0.1379 ± 1.784e−05
pull
Entries 92
Mean 600.1
Std Dev 0

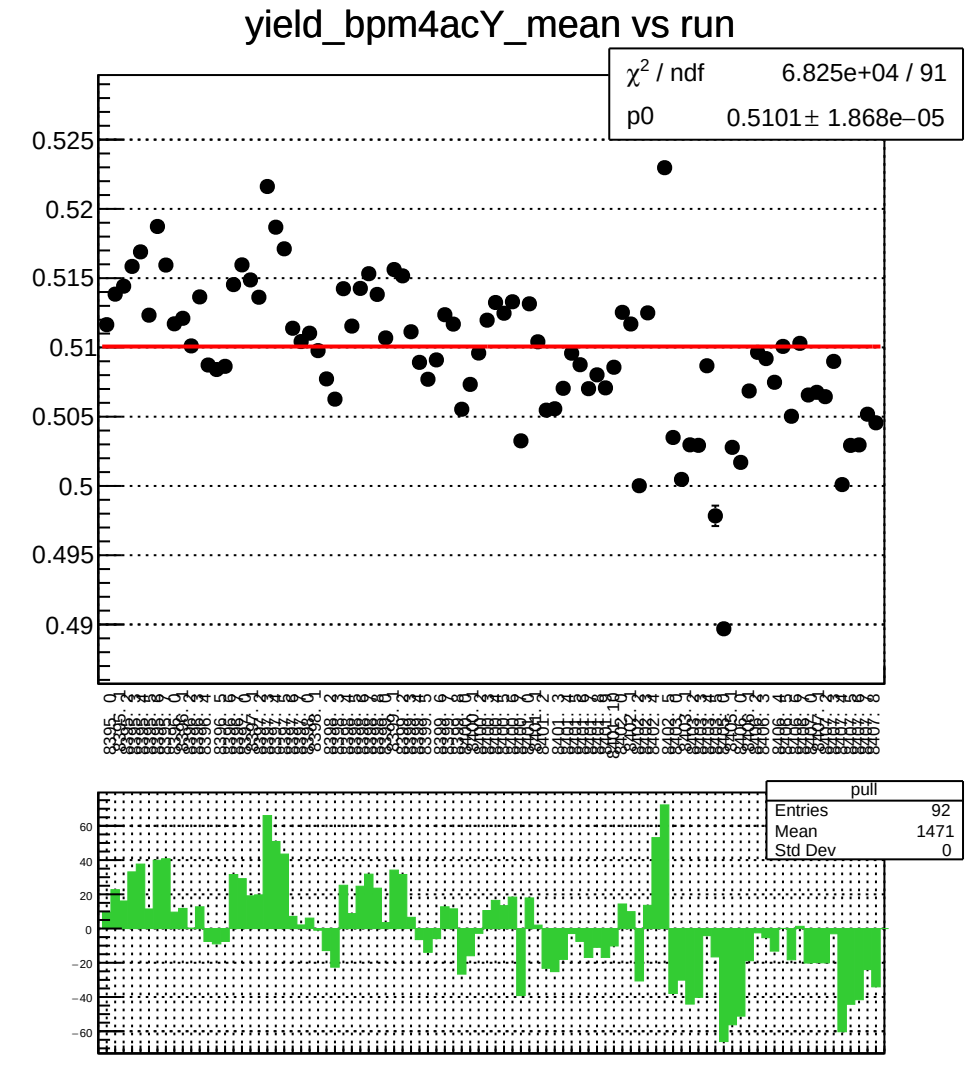

pull1D
Entries 92
Mean 0.2971
Std Dev 5.143

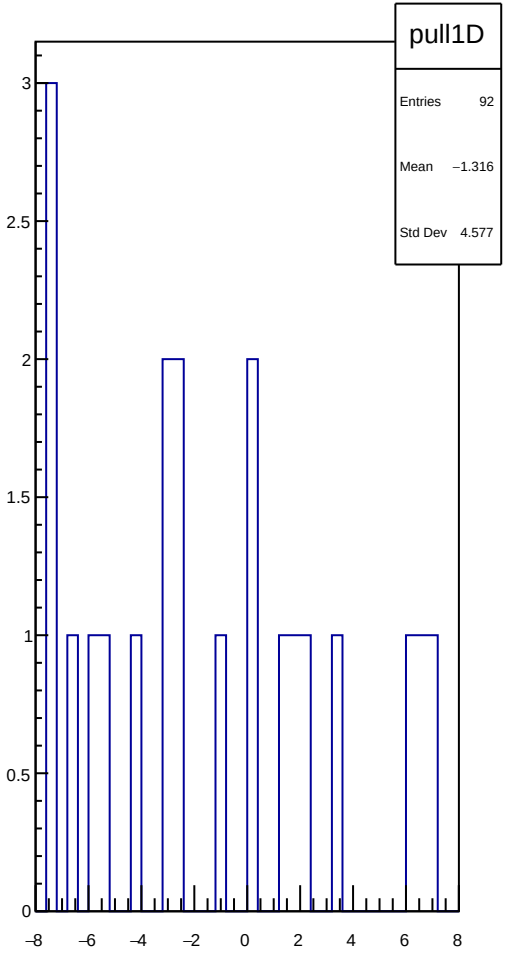

yield_bpm4eY_rms vs run
χ² / ndf 5.414e+04 / 91
p0 0.0163 ± 1.261e−05
0.06
0.05
0.04
0.03
0.02
0.01

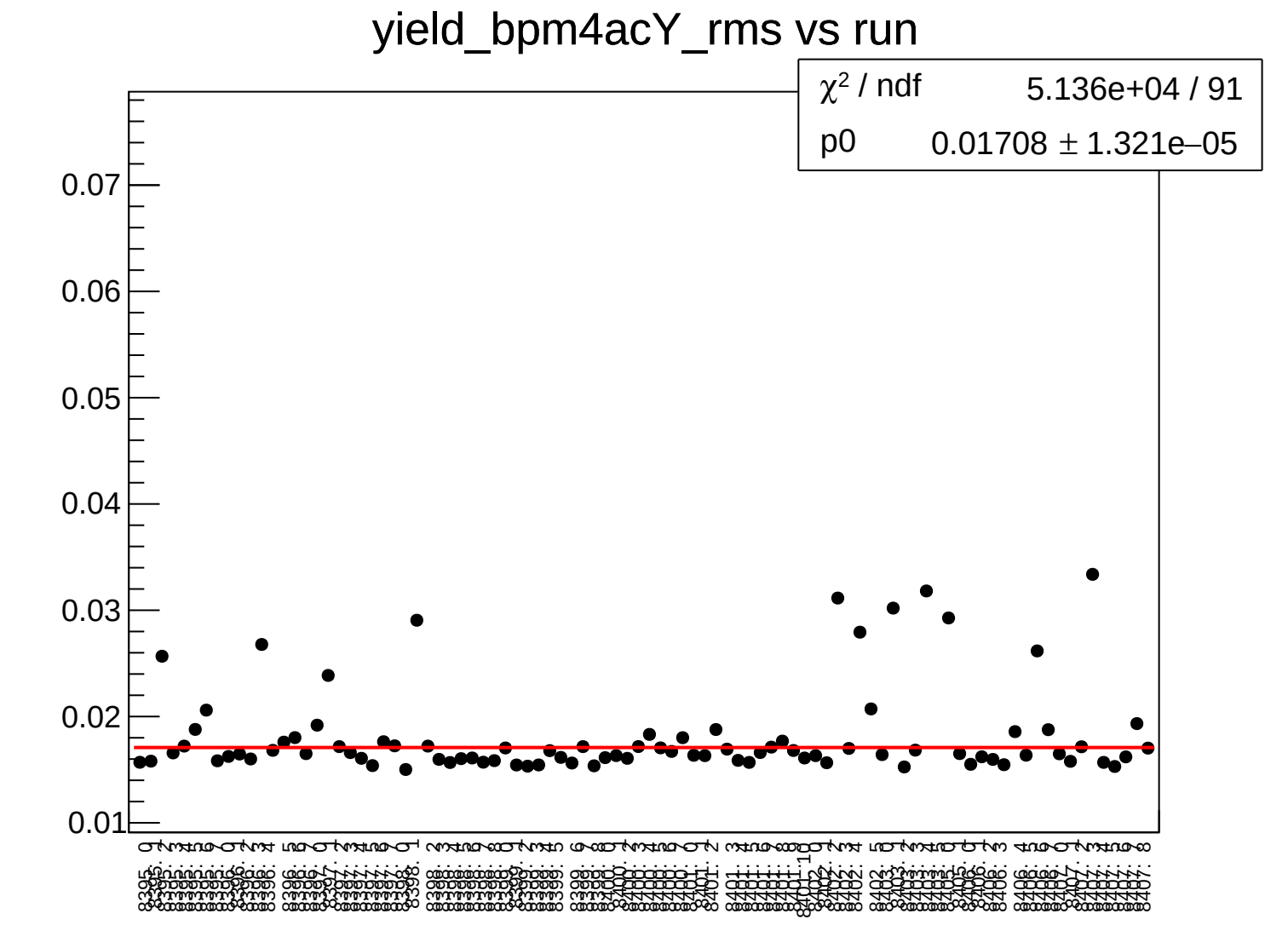

yield_bpm4acX_mean vs run
χ² / ndf 8.341e+04 / 91
p0 −1.214 ± 5.225e−05
−1.05
−1.1
−1.15
−1.2
−1.25
pull
Entries 92
Mean 239.1
Std Dev 0
180
160
140
120
100
80
60
40
20
0
−20
−40

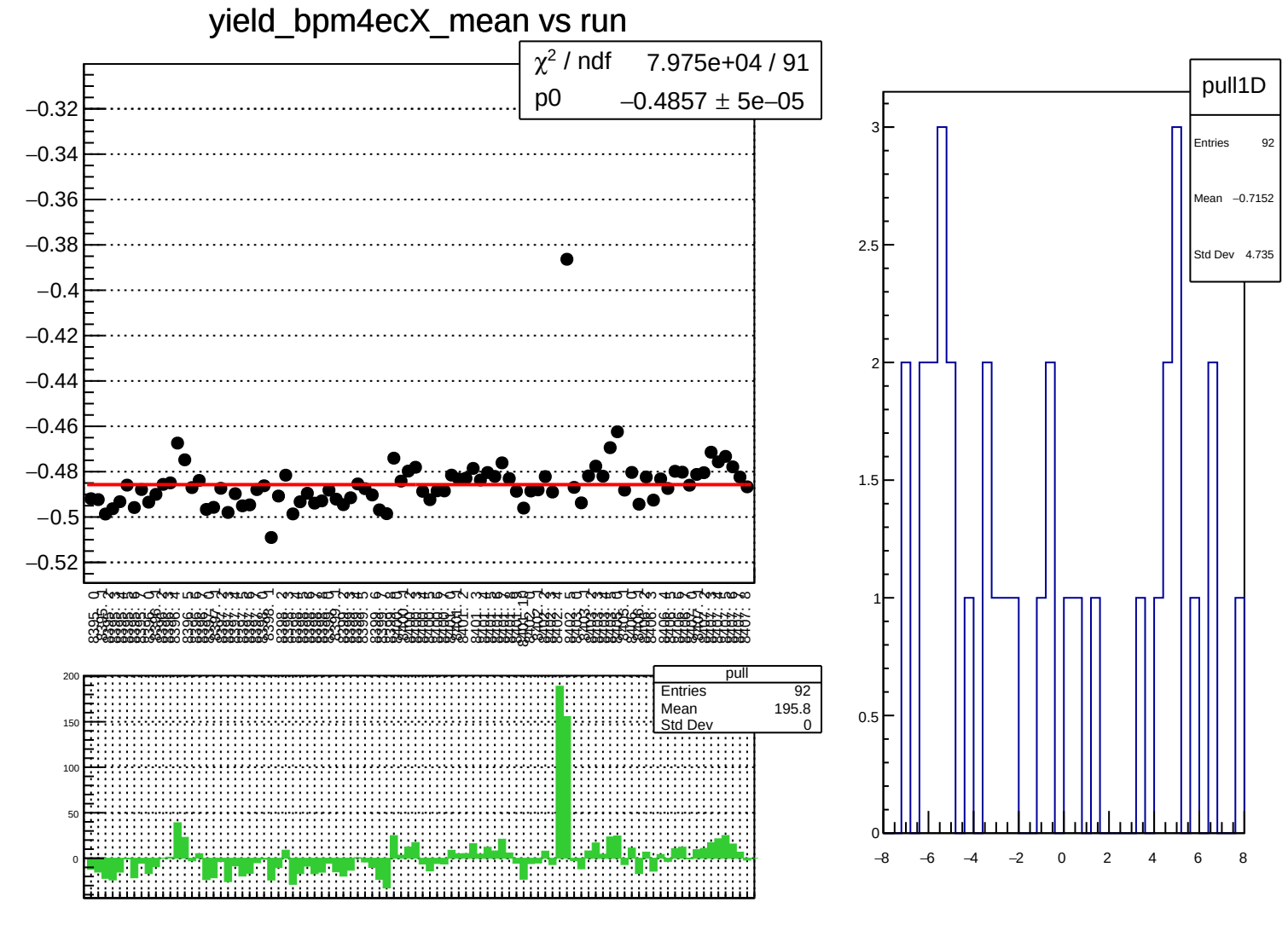

pull1D
Entries 92
Mean −0.5117
Std Dev 5.063
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

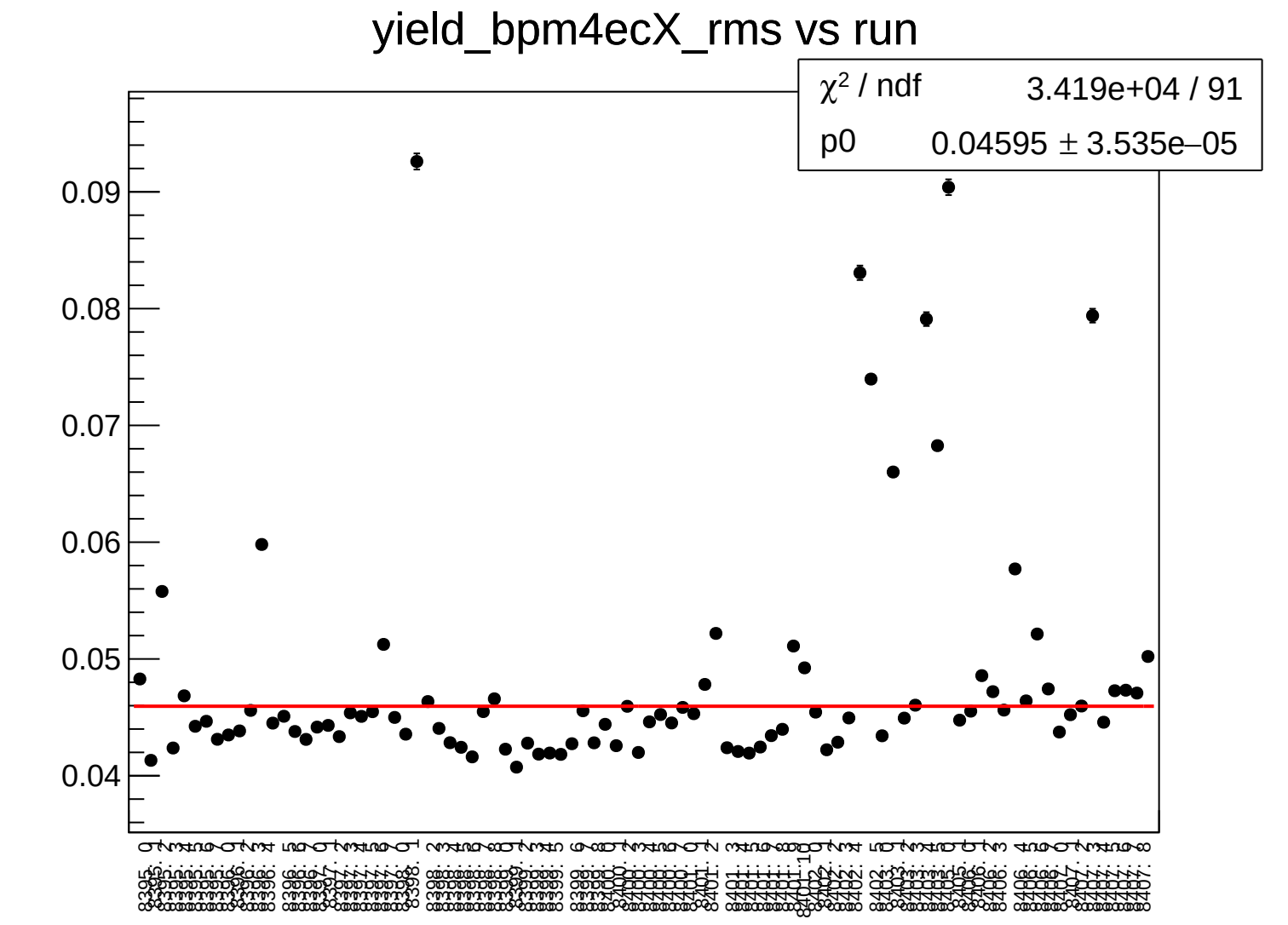

yield_bpm4acX_rms vs run
χ² / ndf 3.322e+04 / 91
p0 0.04804 ± 3.695e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

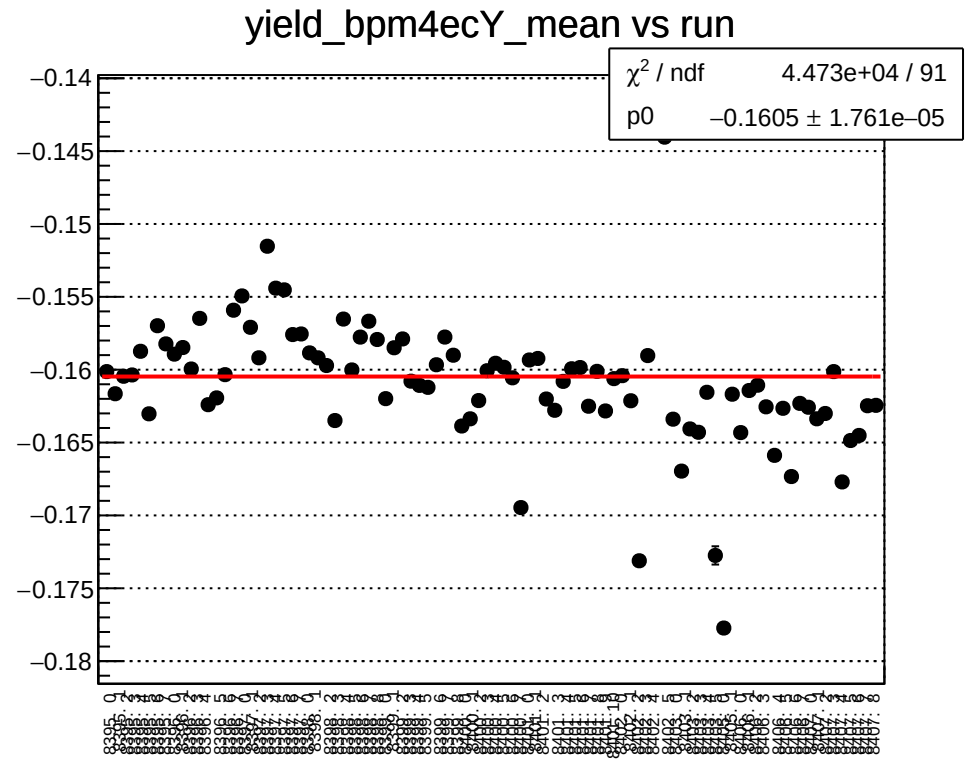

yield_bpm4acY_mean vs run
χ² / ndf 6.825e+04 / 91
p0 0.5101 ± 1.868e−05
0.525
0.52
0.515
0.51
0.505
0.5
0.495
0.49
pull
Entries 92
Mean 1471
Std Dev 0
60
40
20
0
−20
−40
−60

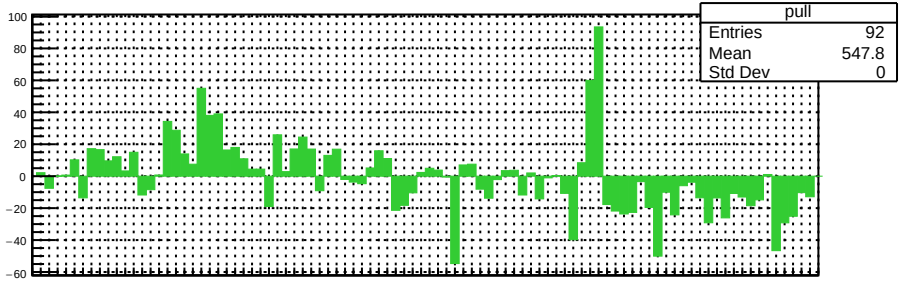

pull1D
Entries 92
Mean −1.316
Std Dev 4.577
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

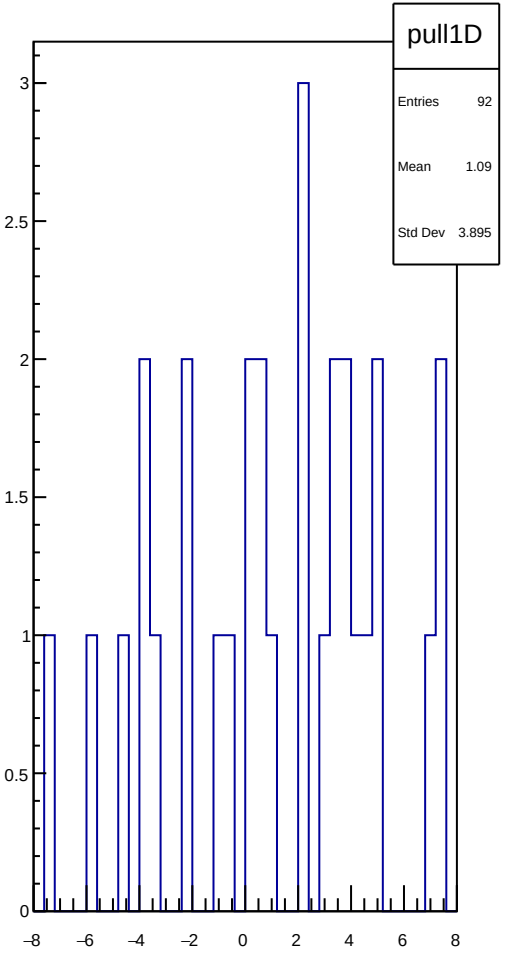

yield_bpm4acY_rms vs run
χ² / ndf 5.136e+04 / 91
p0 0.01708 ± 1.321e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

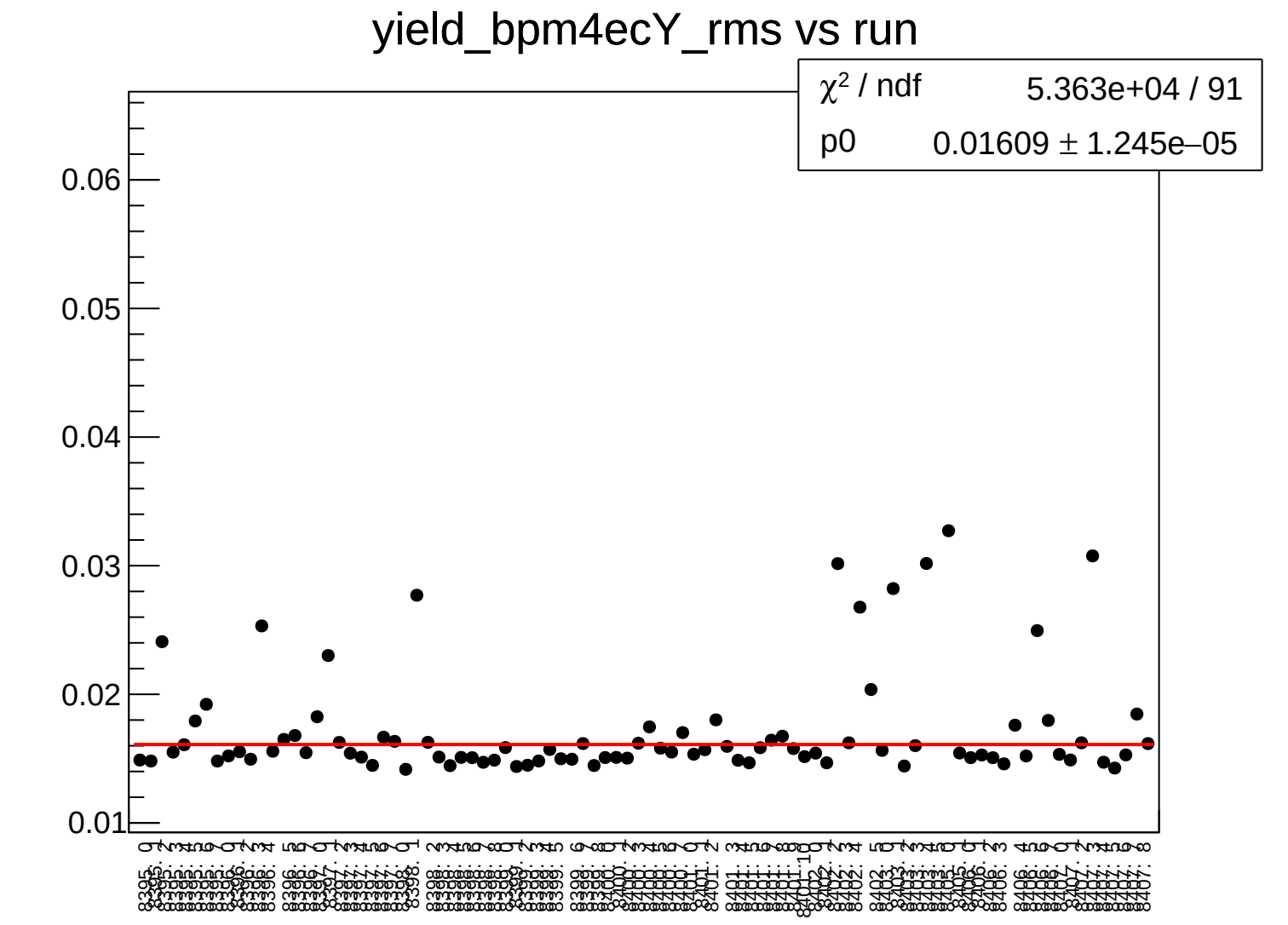

yield_bpm4ecX_mean vs run
χ² / ndf 7.975e+04 / 91
p0 −0.4857 ± 5e−05
−0.32
−0.34
−0.36
−0.38
−0.4
−0.42
−0.44
−0.46
−0.48
−0.5
−0.52
pull
Entries 92
Mean 195.8
Std Dev 0
200
150
100
50
0
pull1D
Entries 92
Mean −0.7152
Std Dev 4.735
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

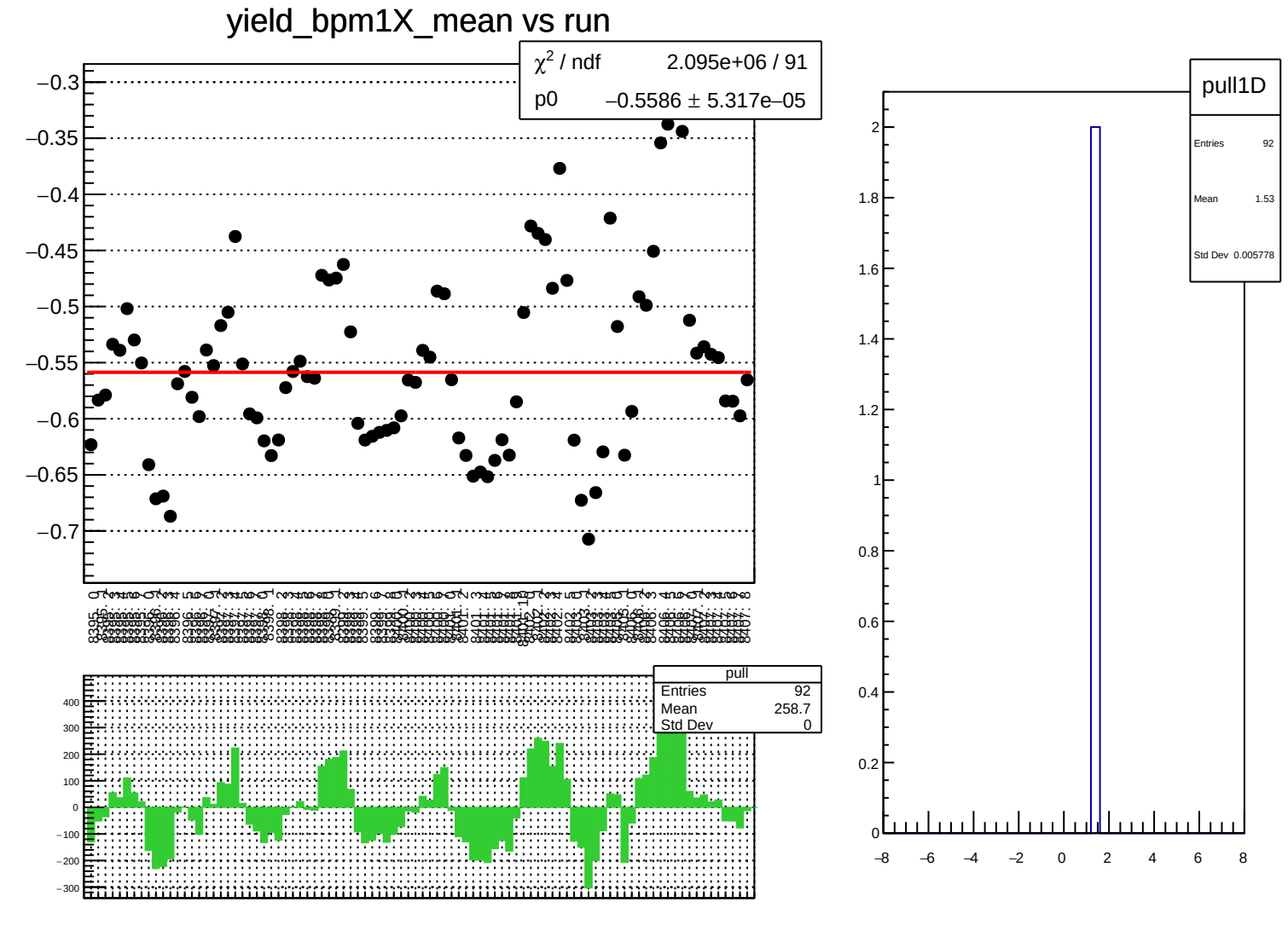

yield_bpm4ecX_rms vs run
χ² / ndf 3.419e+04 / 91
p0 0.04595 ± 3.535e−05
0.09
0.08
0.07
0.06
0.05
0.04

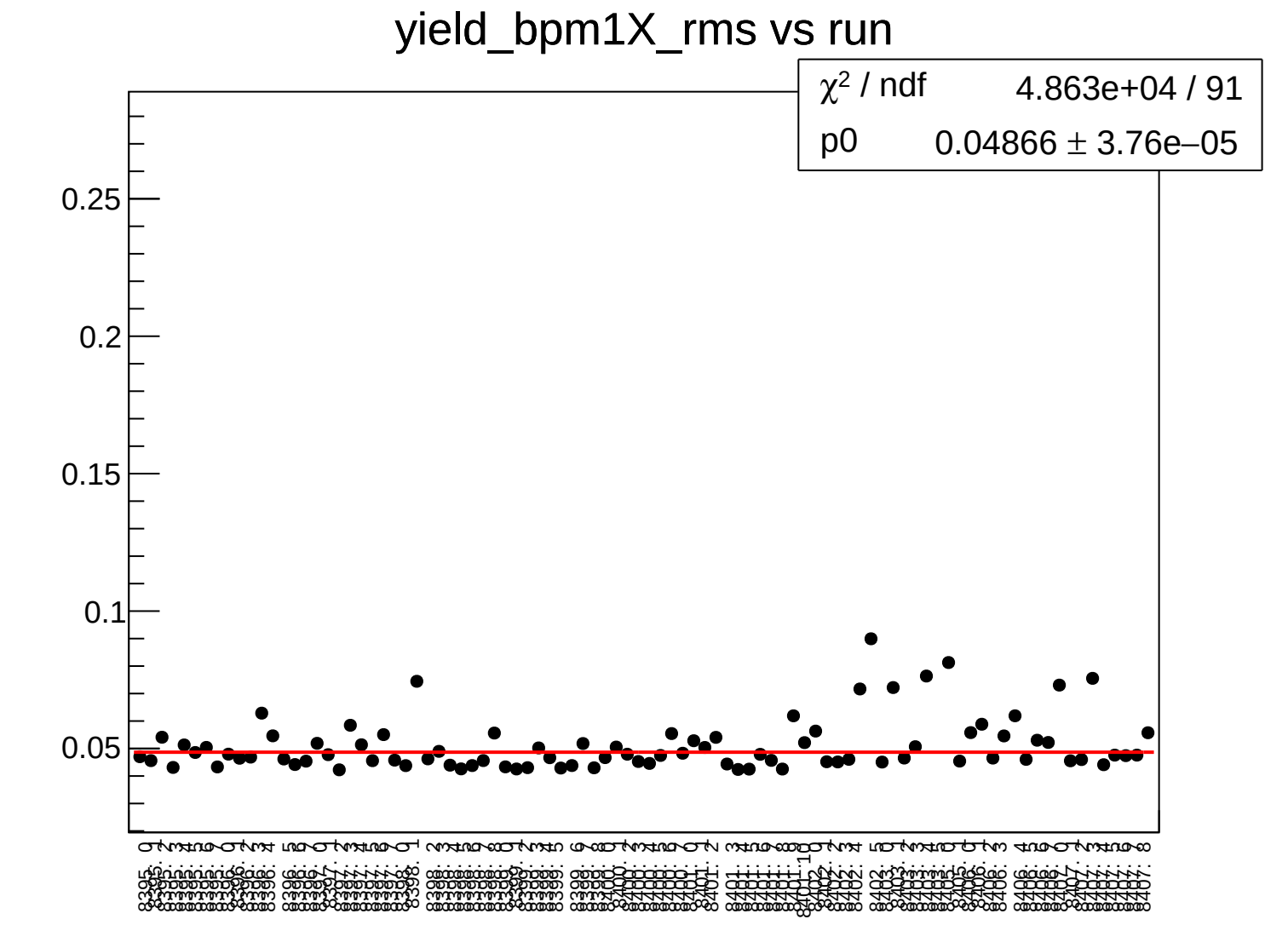

yield_bpm4ecY_mean vs run
χ² / ndf 4.473e+04 / 91
p0 −0.1605 ± 1.761e−05
−0.14
−0.145
−0.15
−0.155
−0.16
−0.165
−0.17
−0.175
−0.18

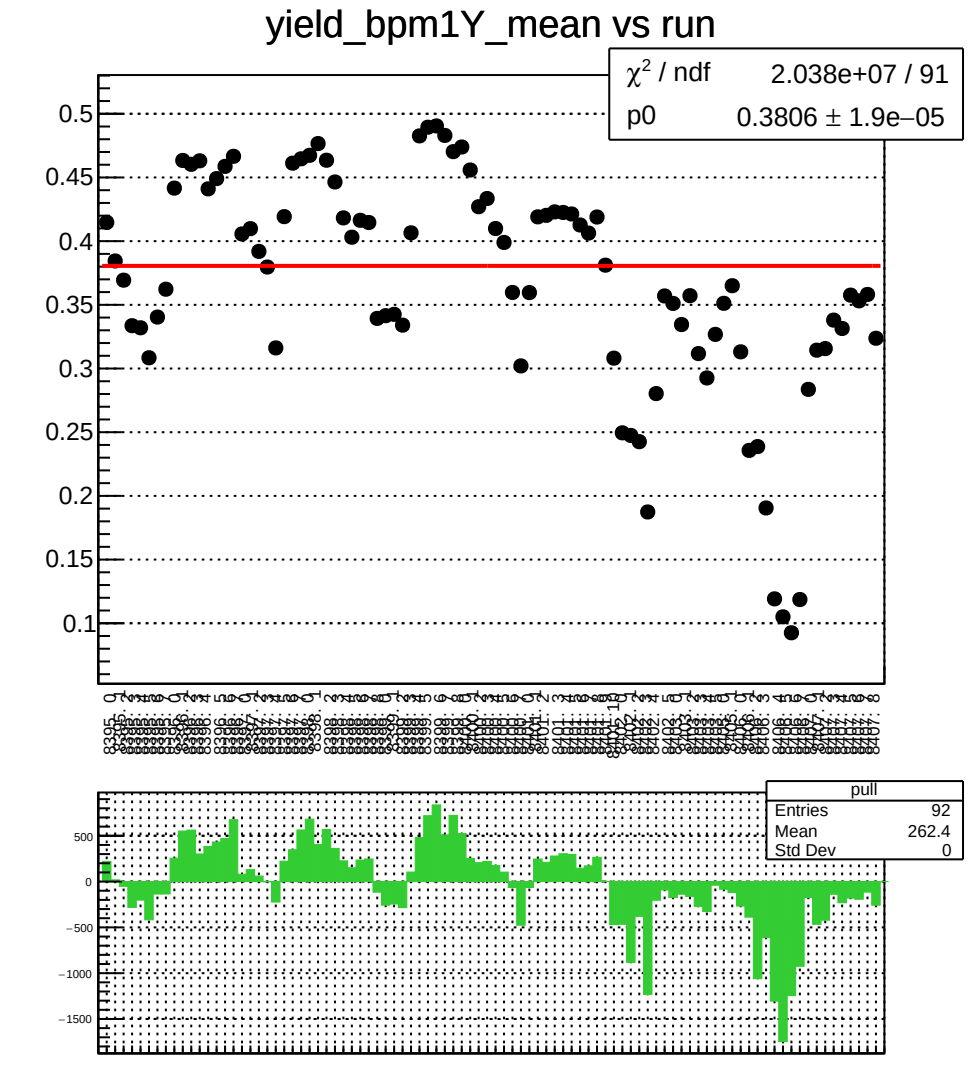

pull
Entries 92
Mean 547.8
Std Dev 0
100
80
60
40
20
0
−20
−40
−60

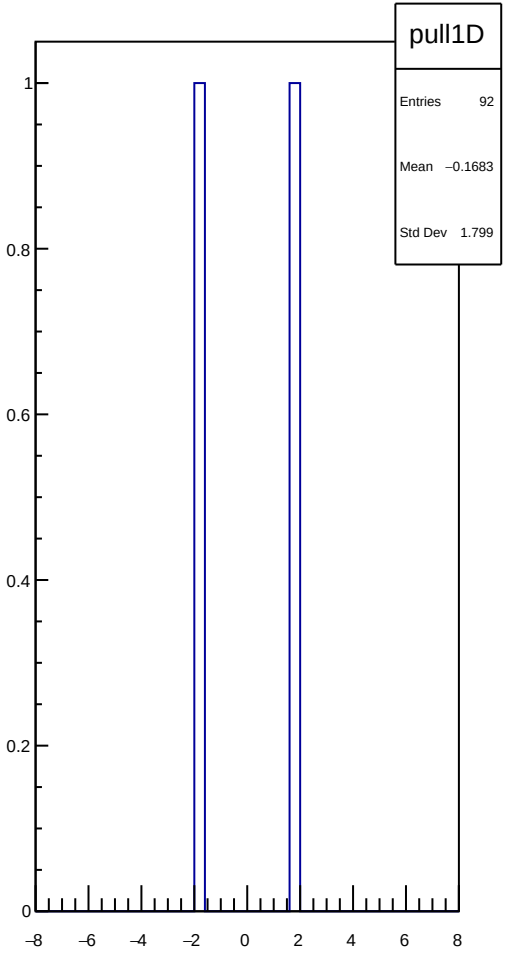

pull1D
Entries 92
Mean 1.09
Std Dev 3.895
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

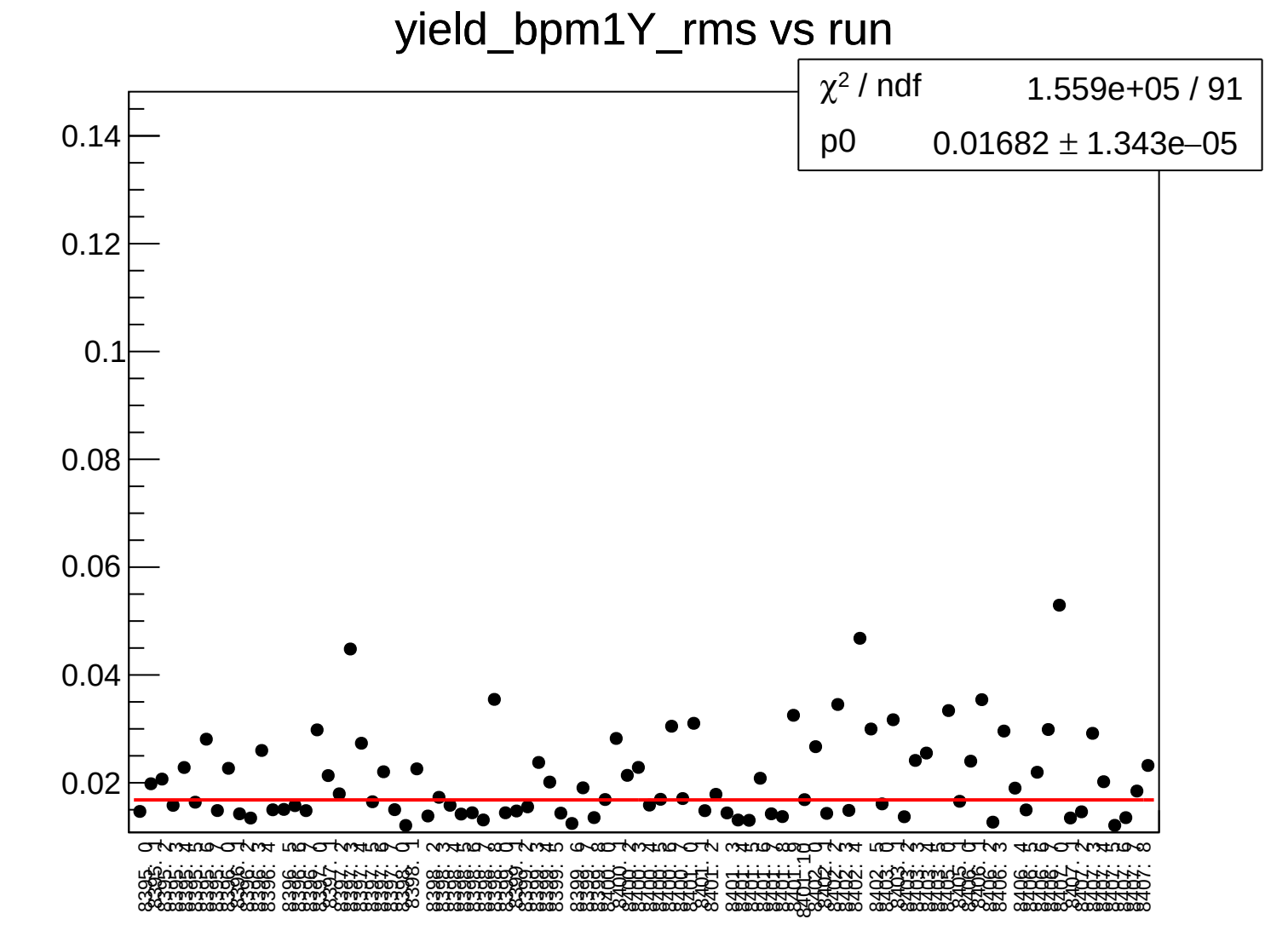

yield_bpm4ecY_rms vs run
χ² / ndf 5.363e+04 / 91
p0 0.01609 ± 1.245e−05
0.06
0.05
0.04
0.03
0.02
0.01

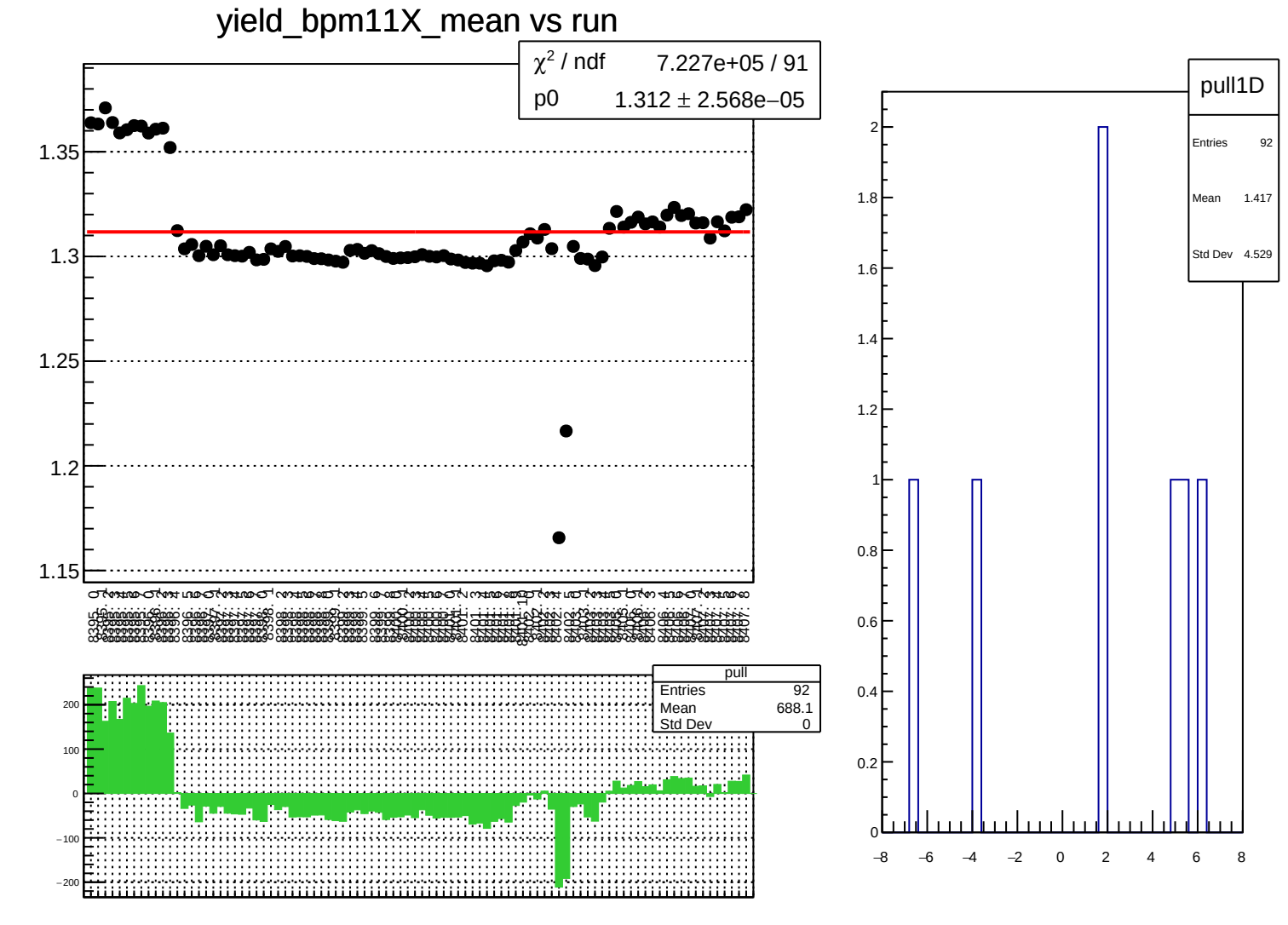

yield_bpm1X_mean vs run
χ² / ndf 2.095e+06 / 91
p0 −0.5586 ± 5.317e−05
pull
Entries 92
Mean 258.7
Std Dev 0
pull1D
Entries 92
Mean 1.53
Std Dev 0.005778

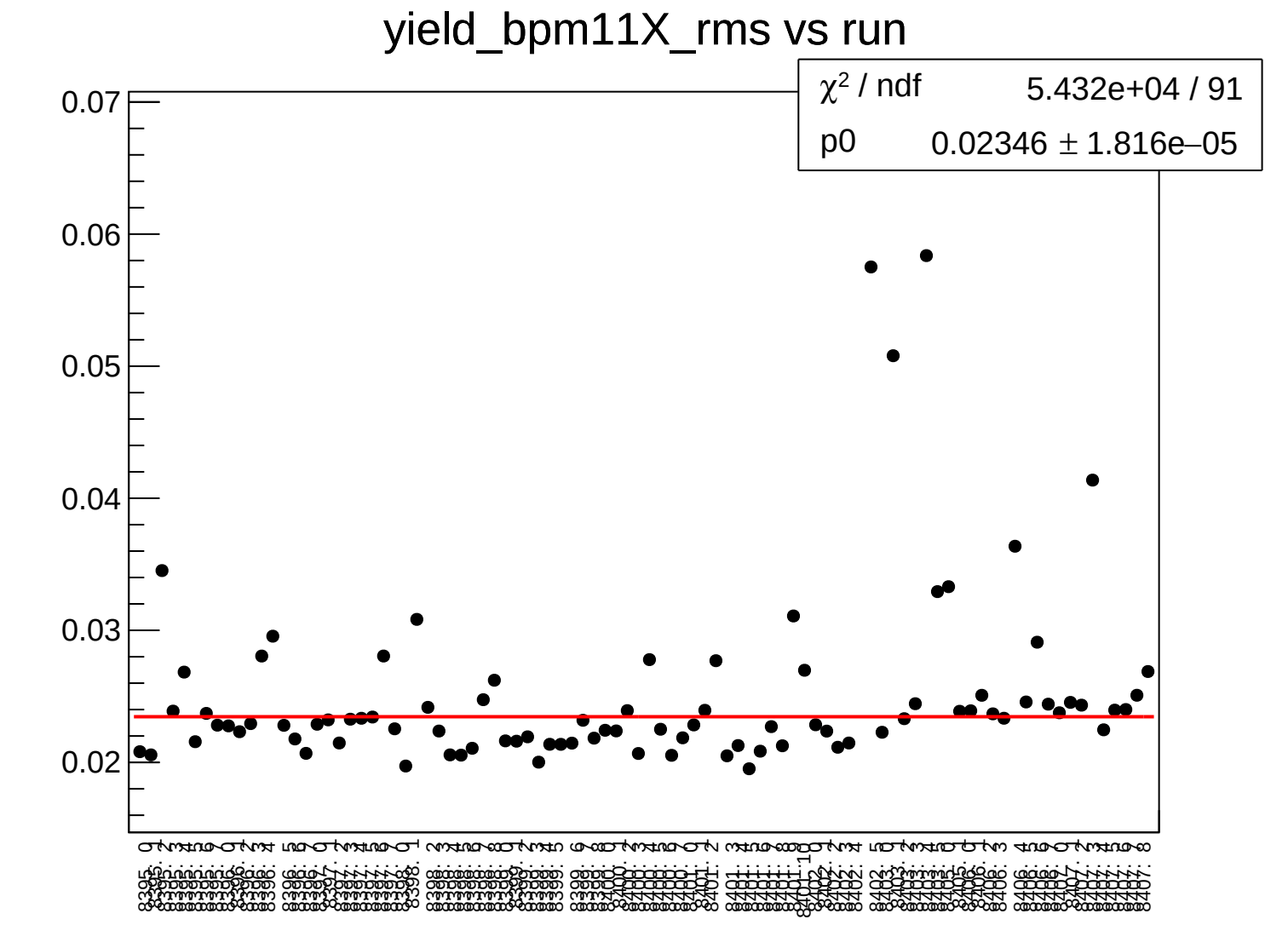

yield_bpm1X_rms vs run
χ² / ndf 4.863e+04 / 91
p0 0.04866 ± 3.76e−05
0.25
0.2
0.15
0.1
0.05

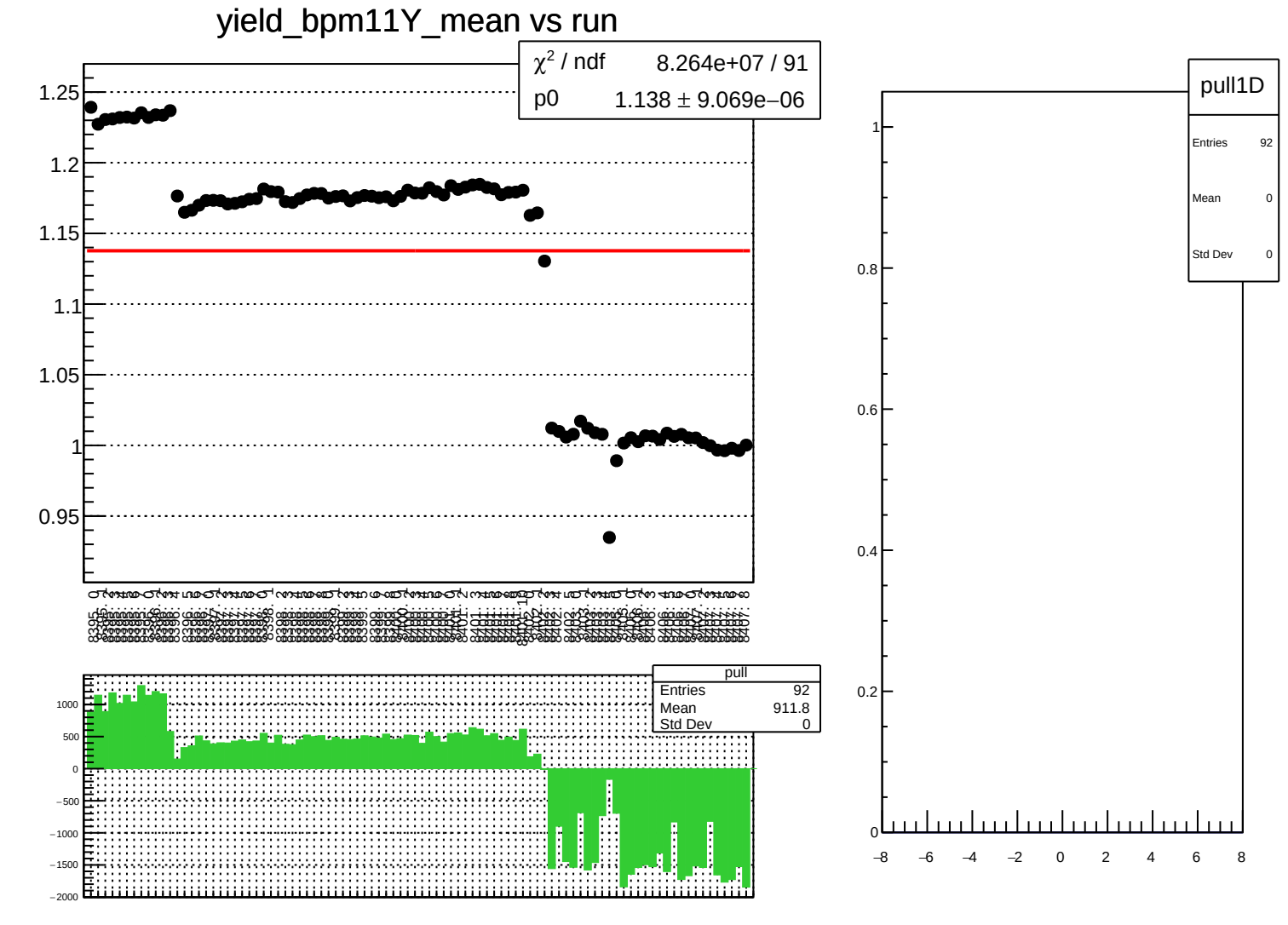

yield_bpm1Y_mean vs run
χ² / ndf 2.038e+07 / 91
p0 0.3806 ± 1.9e−05
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
pull
Entries 92
Mean 262.4
Std Dev 0
500
0
−500
−1000
−1500

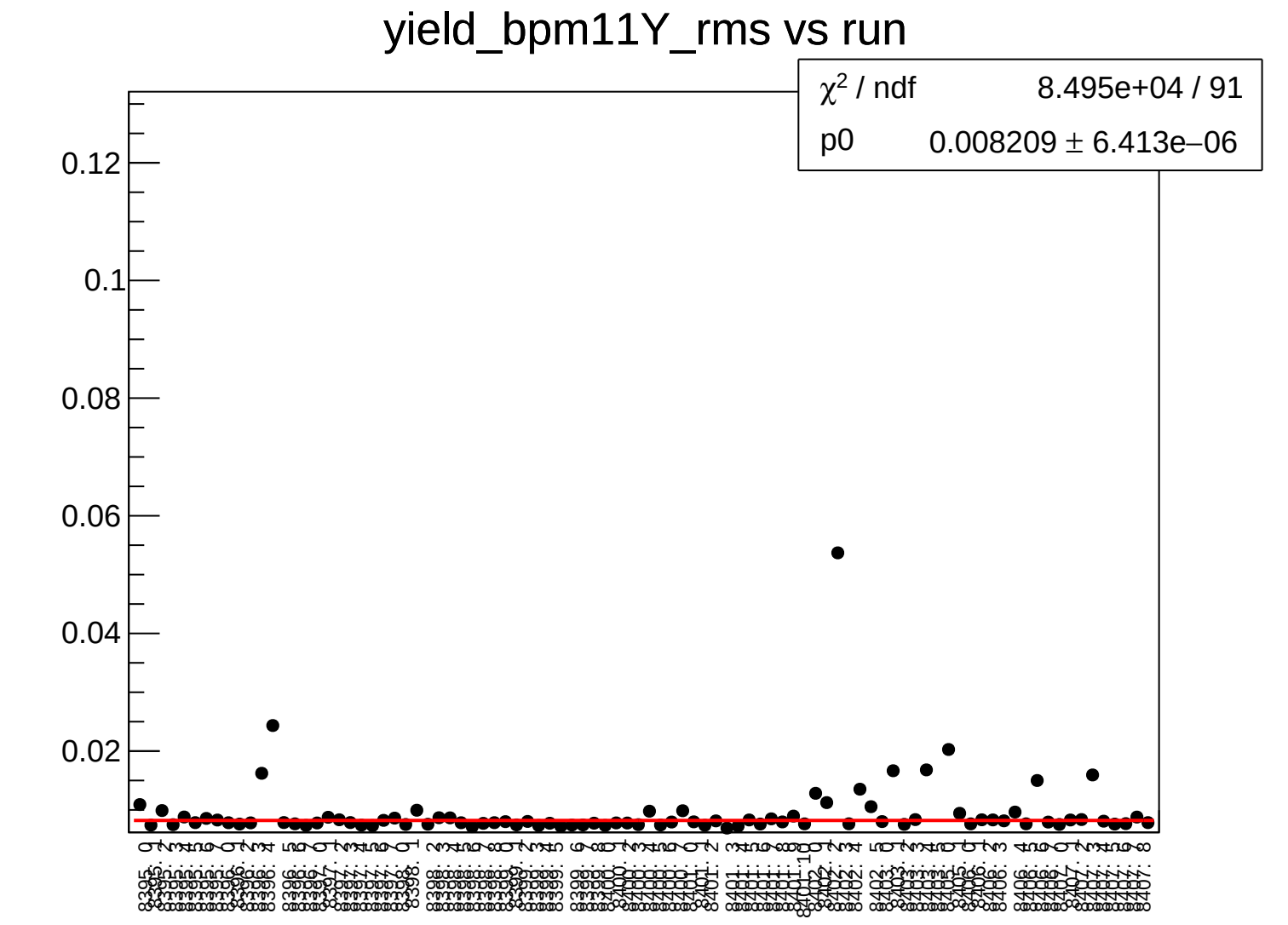

pull1D
Entries 92
Mean −0.1683
Std Dev 1.799
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

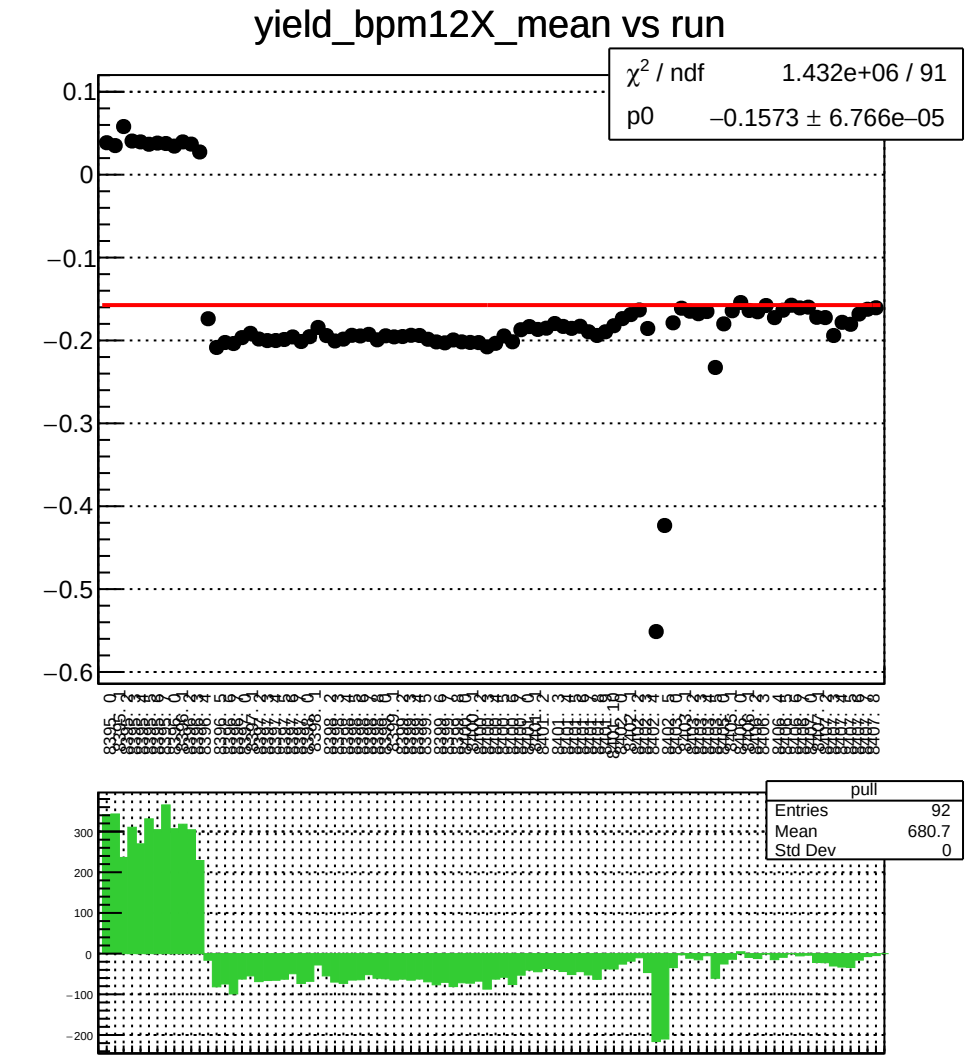

yield_bpm1Y_rms vs run
χ² / ndf 1.559e+05 / 91
p0 0.01682 ± 1.343e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

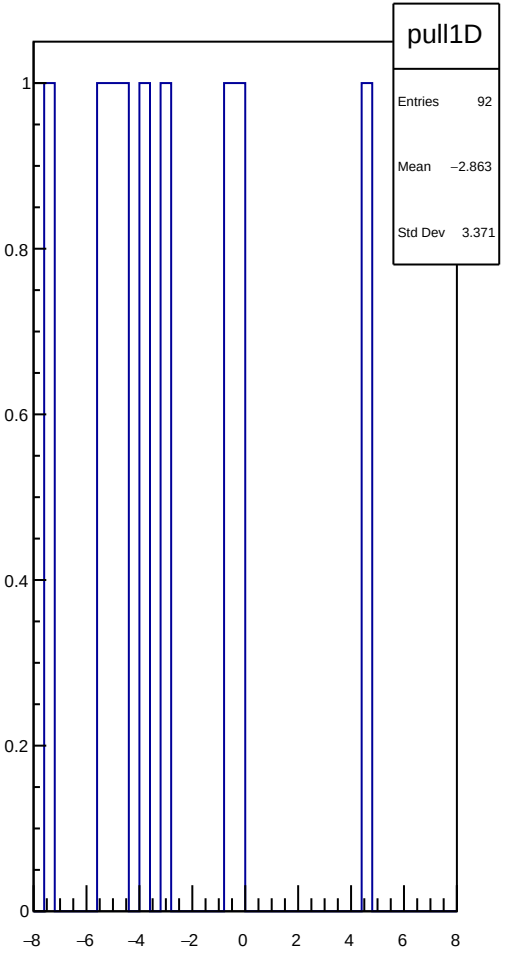

yield_bpm11X_mean vs run
χ² / ndf 7.227e+05 / 91
p0 1.312 ± 2.568e−05
1.35
1.3
1.25
1.2
1.15
pull
Entries 92
Mean 688.1
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 92
Mean 1.417
Std Dev 4.529
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

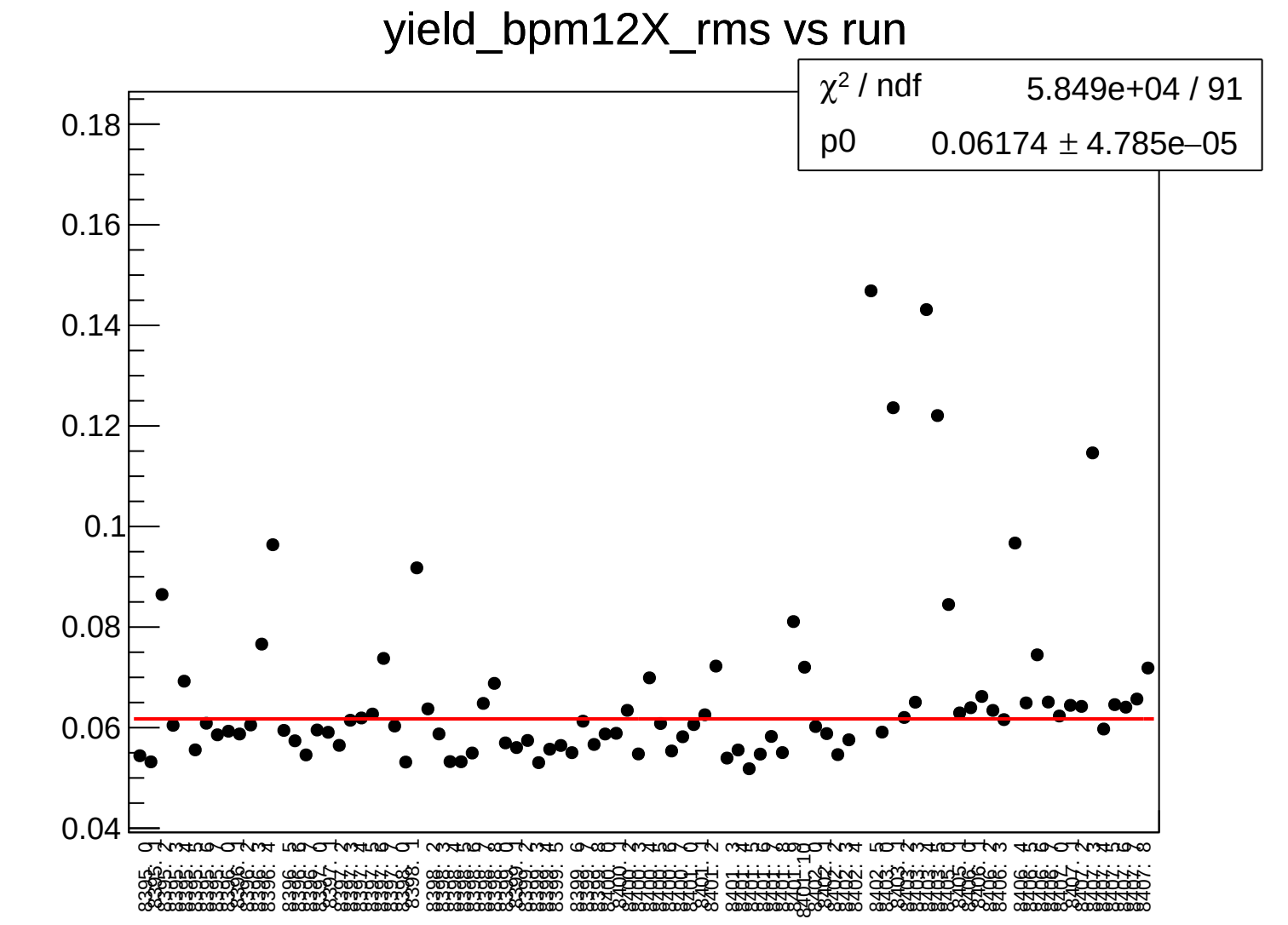

yield_bpm11X_rms vs run
χ² / ndf 5.432e+04 / 91
p0 0.02346 ± 1.816e−05
0.07
0.06
0.05
0.04
0.03
0.02

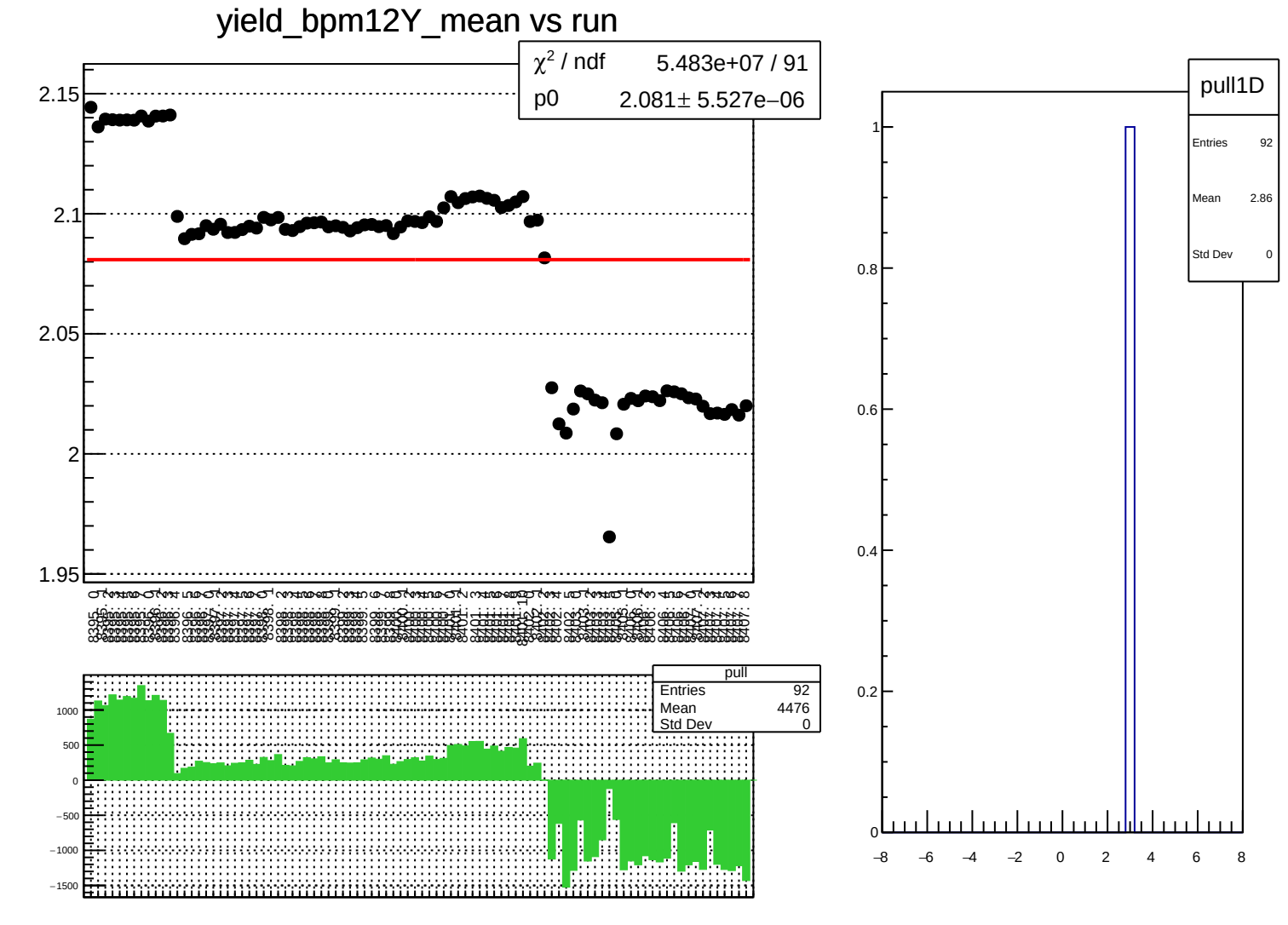

yield_bpm11Y_mean vs run
χ² / ndf 8.264e+07 / 91
p0 1.138 ± 9.069e−06
1.25
1.2
1.15
1.1
1.05
1
0.95
pull
Entries 92
Mean 911.8
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

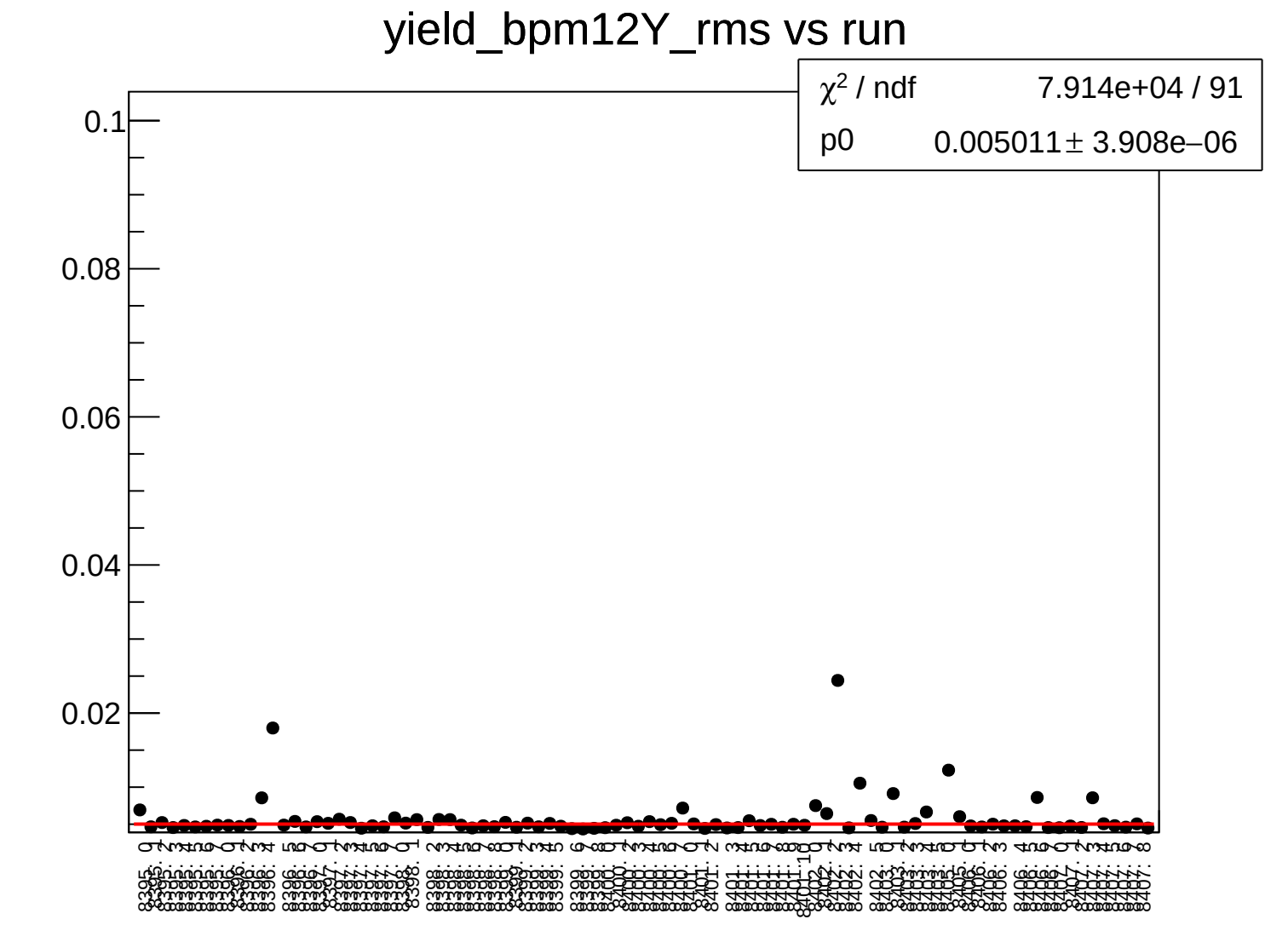

yield_bpm11Y_rms vs run
χ² / ndf 8.495e+04 / 91
p0 0.008209 ± 6.413e−06
0.12
0.1
0.08
0.06
0.04
0.02

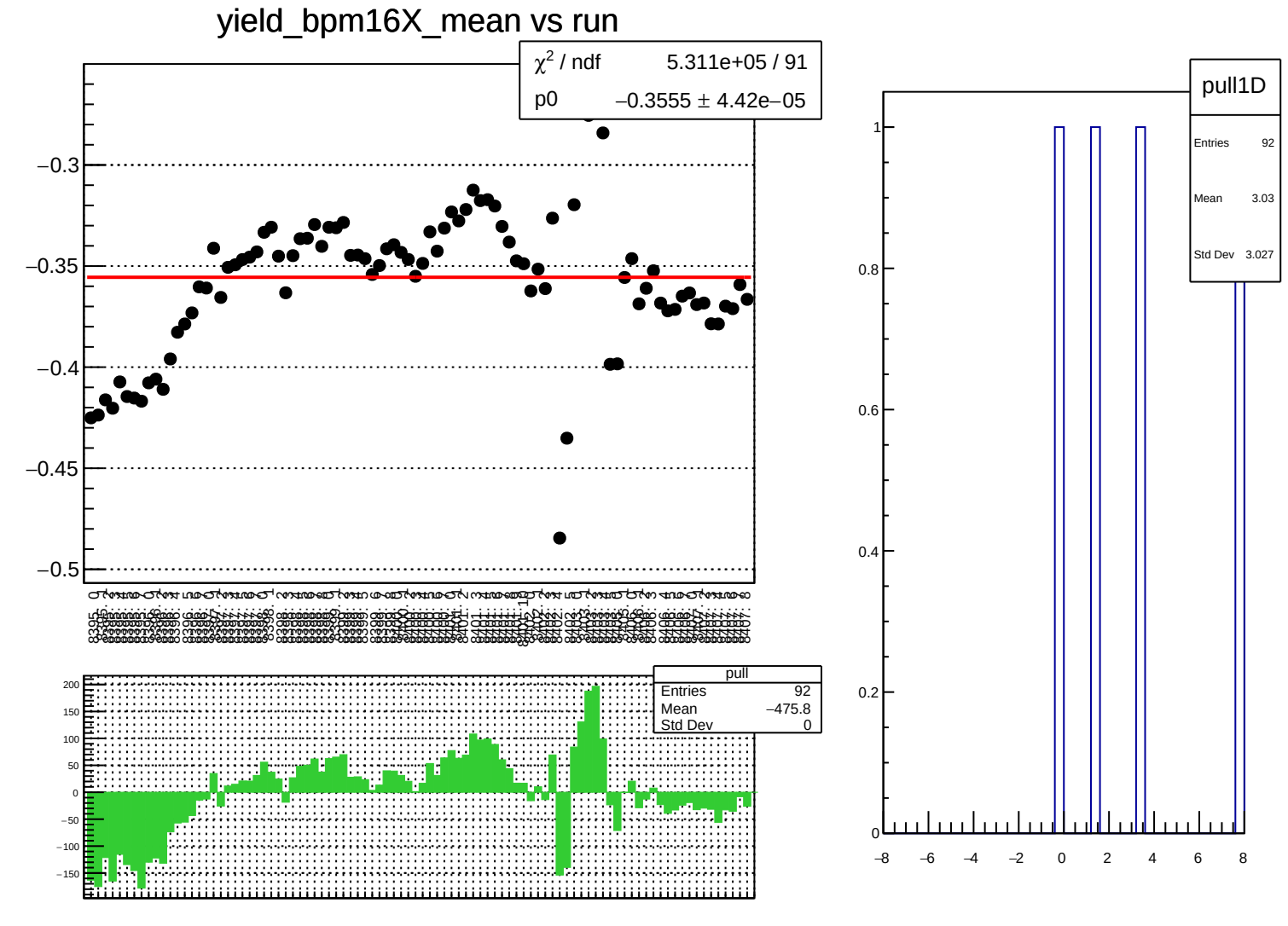

yield_bpm12X_mean vs run
χ² / ndf 1.432e+06 / 91
p0 −0.1573 ± 6.766e−05
pull
Entries 92
Mean 680.7
Std Dev 0

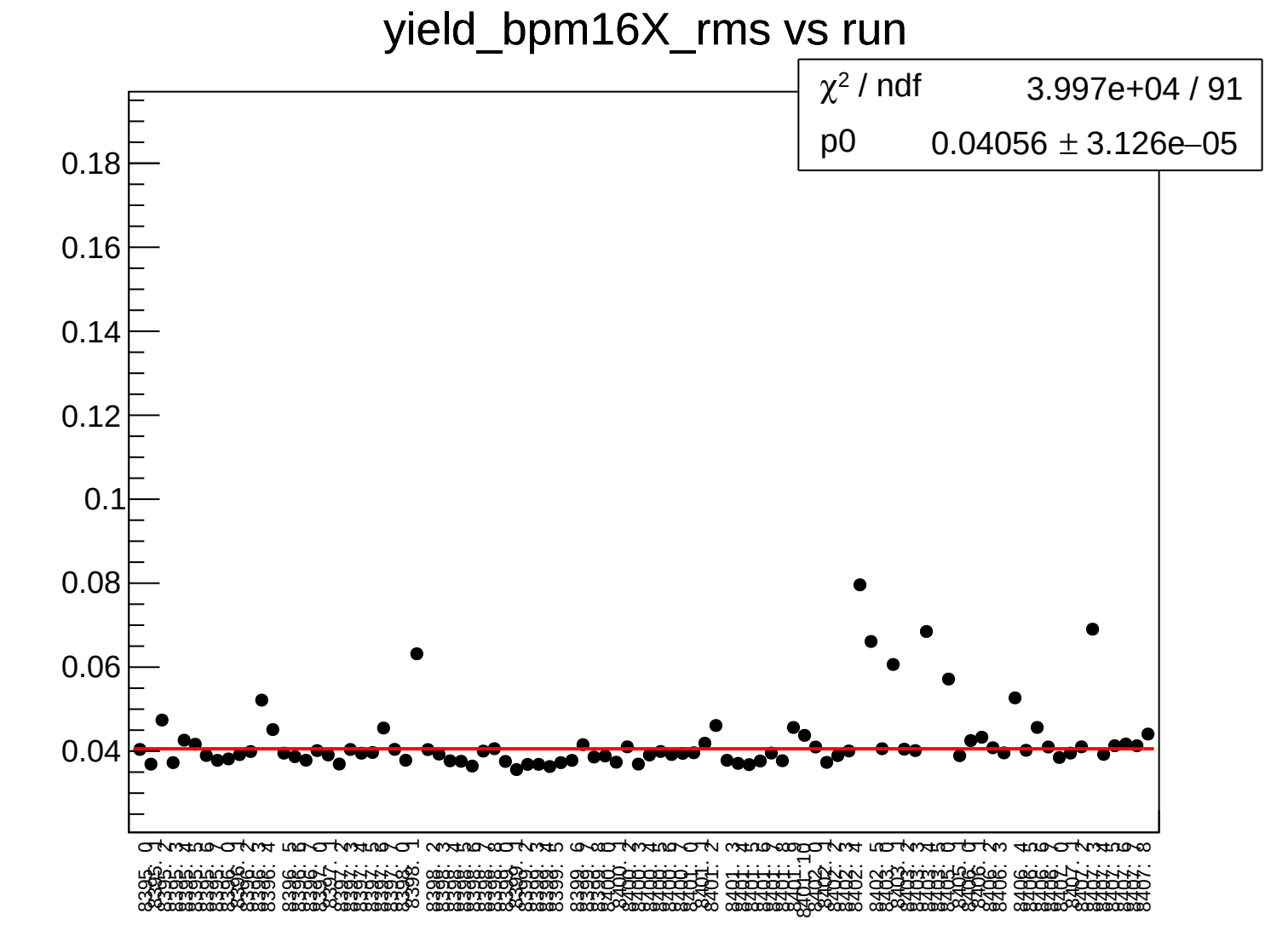

pull1D
Entries 92
Mean −2.863
Std Dev 3.371

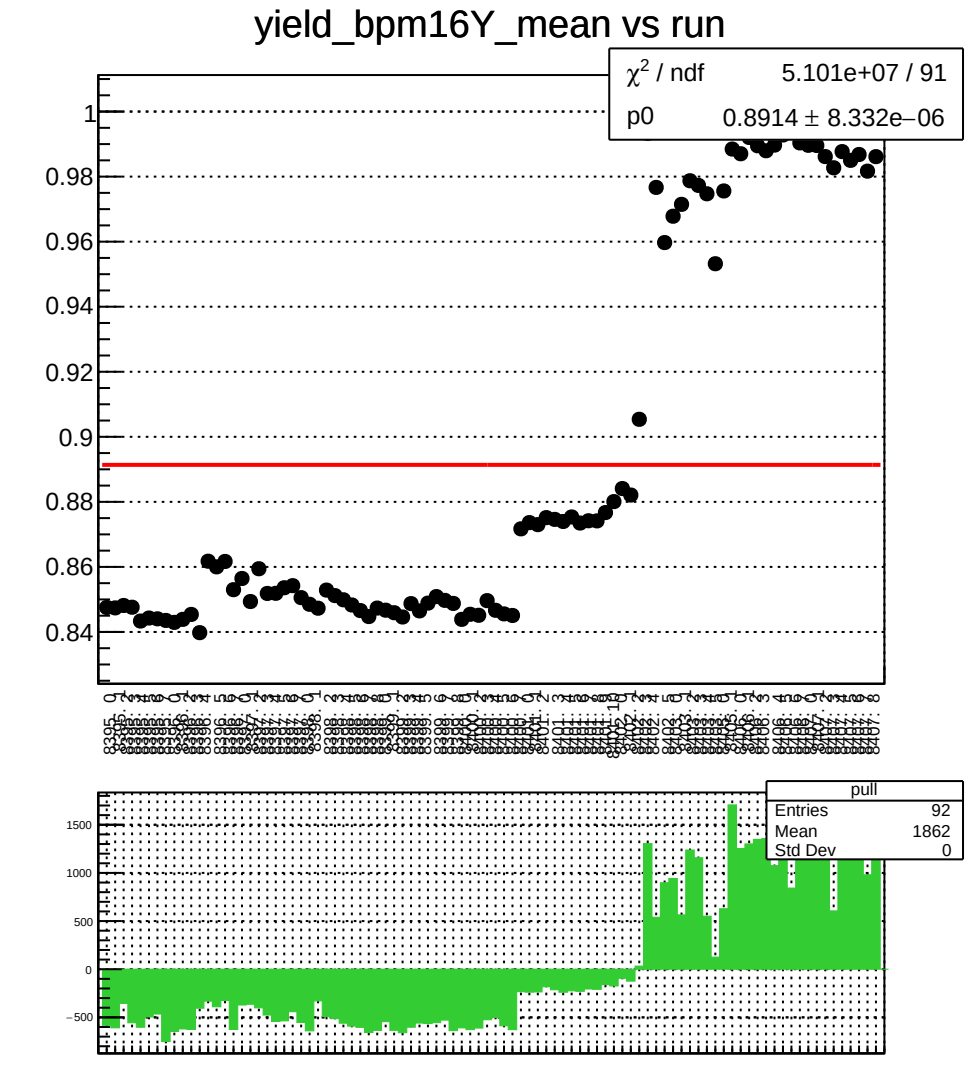

yield_bpm12X_rms vs run
χ² / ndf 5.849e+04 / 91
p0 0.06174 ± 4.785e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

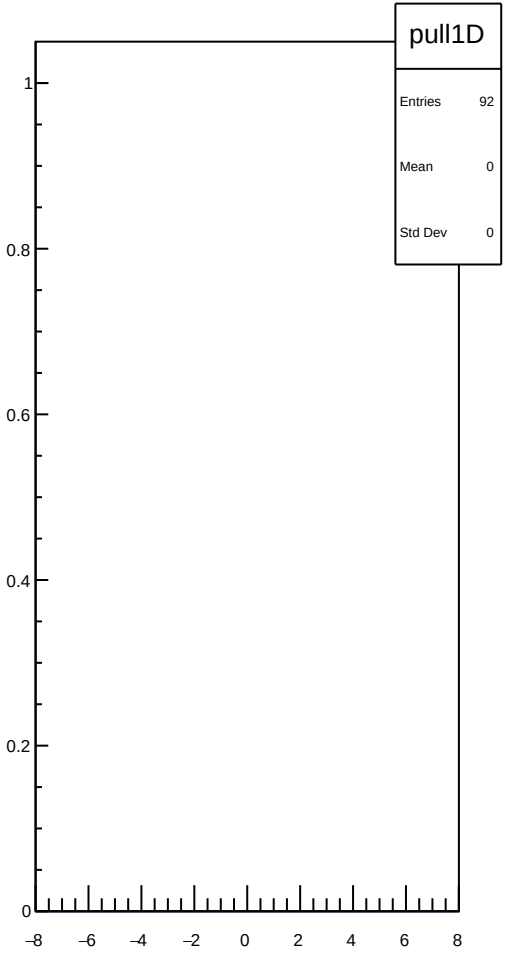

yield_bpm12Y_mean vs run
χ² / ndf 5.483e+07 / 91
p0 2.081± 5.527e−06
2.15
2.1
2.05
2
1.95
pull
Entries 92
Mean 4476
Std Dev 0
1000
500
0
−500
−1000
−1500
pull1D
Entries 92
Mean 2.86
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

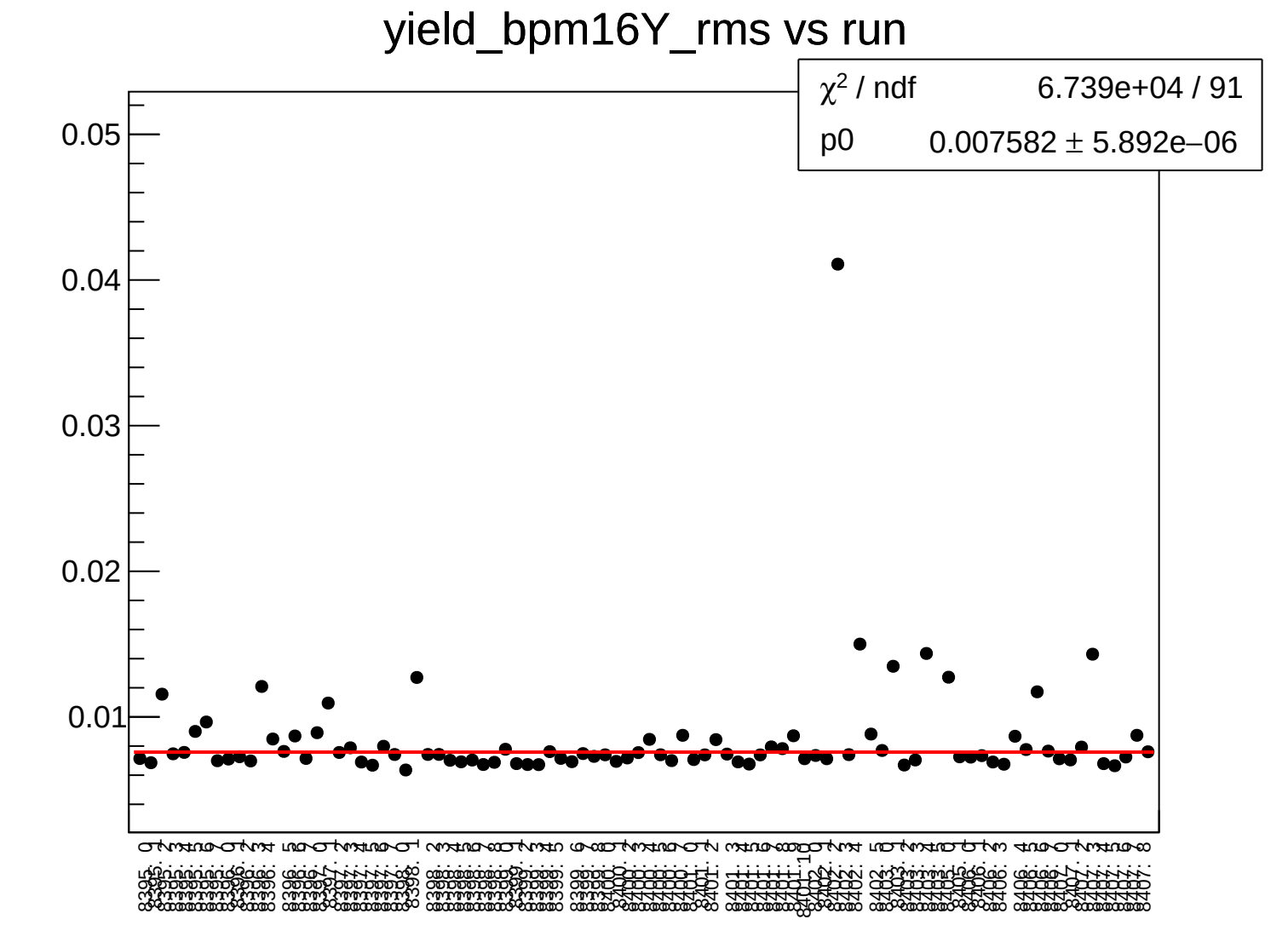

yield_bpm12Y_rms vs run
χ² / ndf 7.914e+04 / 91
p0 0.005011 ± 3.908e−06
0.1
0.08
0.06
0.04
0.02

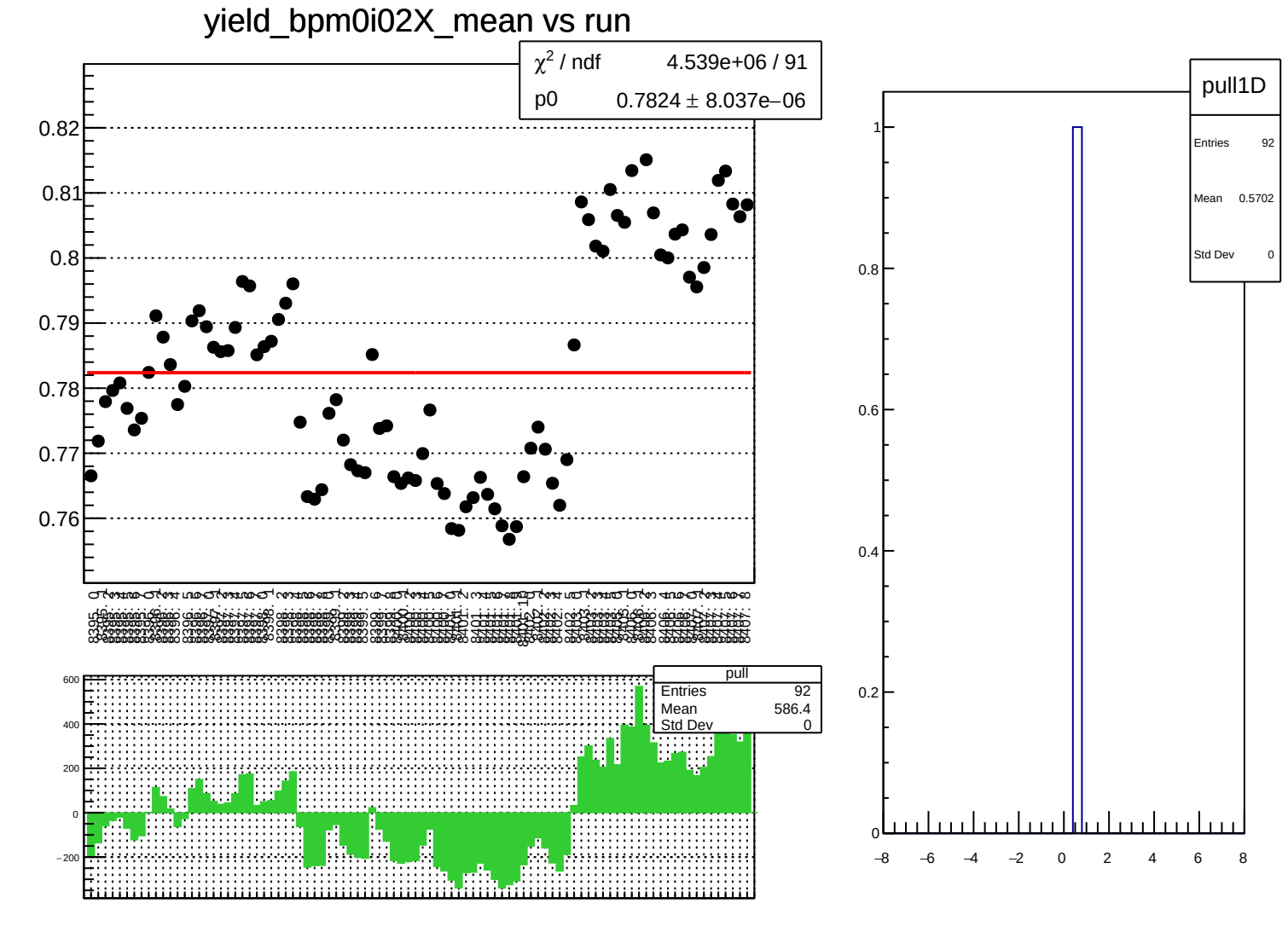

yield_bpm16X_mean vs run
χ² / ndf 5.311e+05 / 91
p0 −0.3555 ± 4.42e−05
−0.3
−0.35
−0.4
−0.45
−0.5
pull
Entries 92
Mean −475.8
Std Dev 0
200
150
100
50
0
−50
−100
−150
pull1D
Entries 92
Mean 3.03
Std Dev 3.027
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

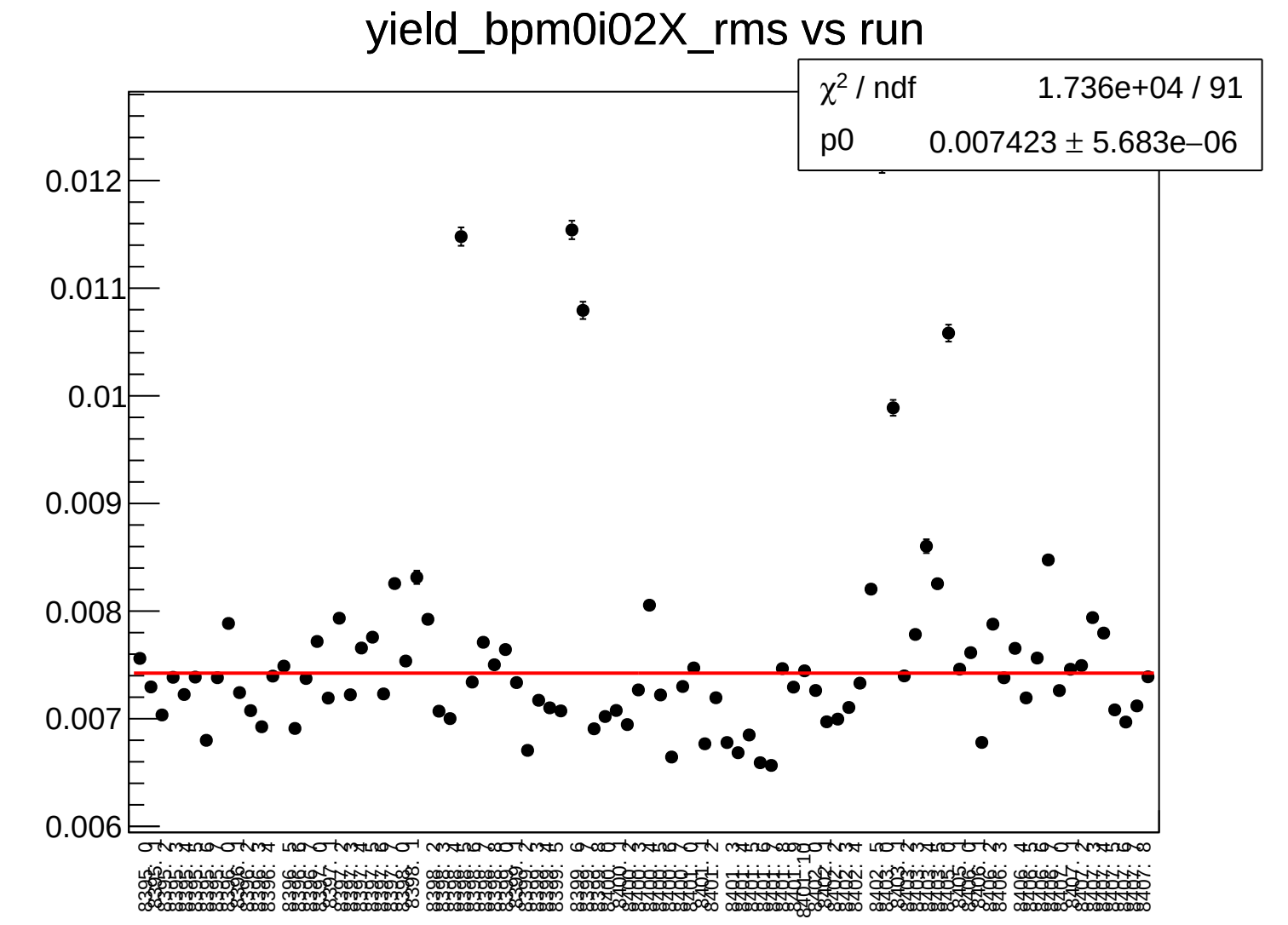

yield_bpm16X_rms vs run
χ² / ndf 3.997e+04 / 91
p0 0.04056 ± 3.126e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

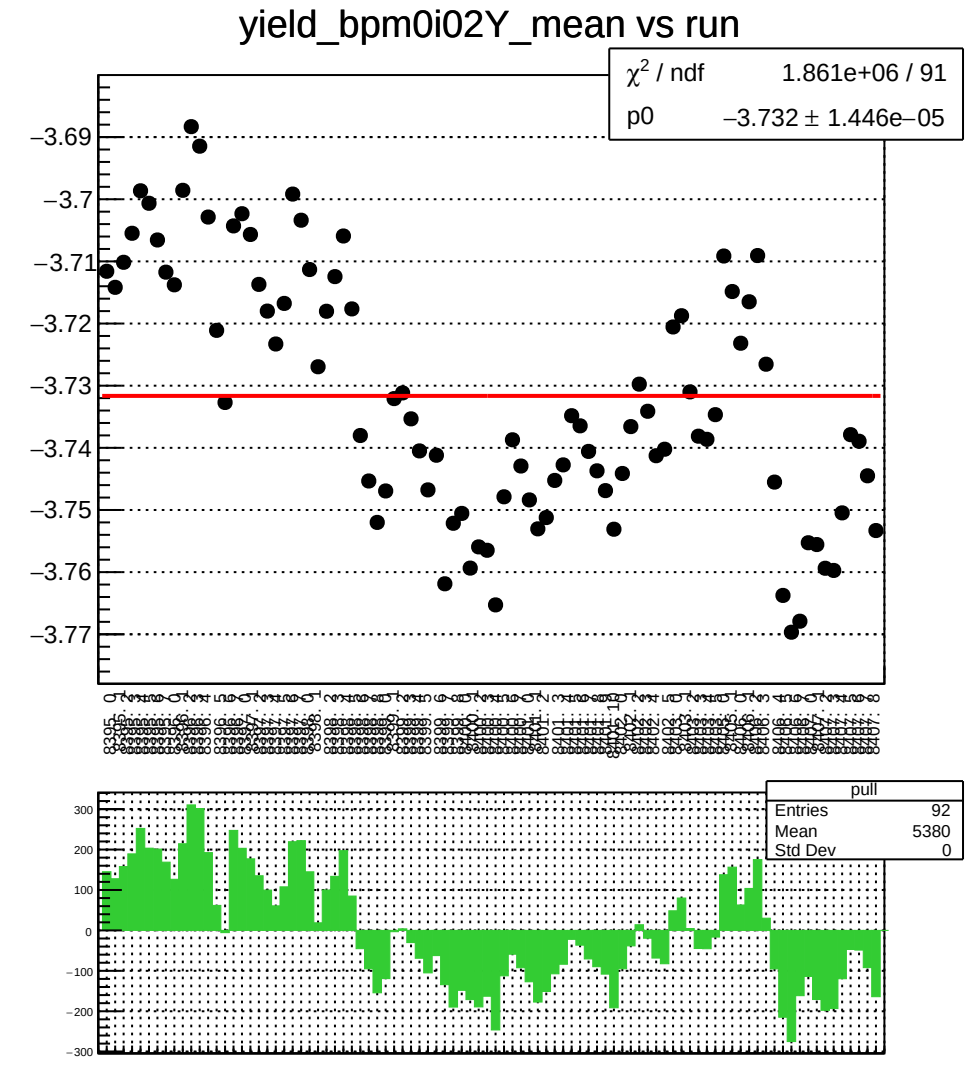

yield_bpm16Y_mean vs run
χ² / ndf 5.101e+07 / 91
p0 0.8914 ± 8.332e−06
1
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
pull
Entries 92
Mean 1862
Std Dev 0
1500
1000
500
0
−500

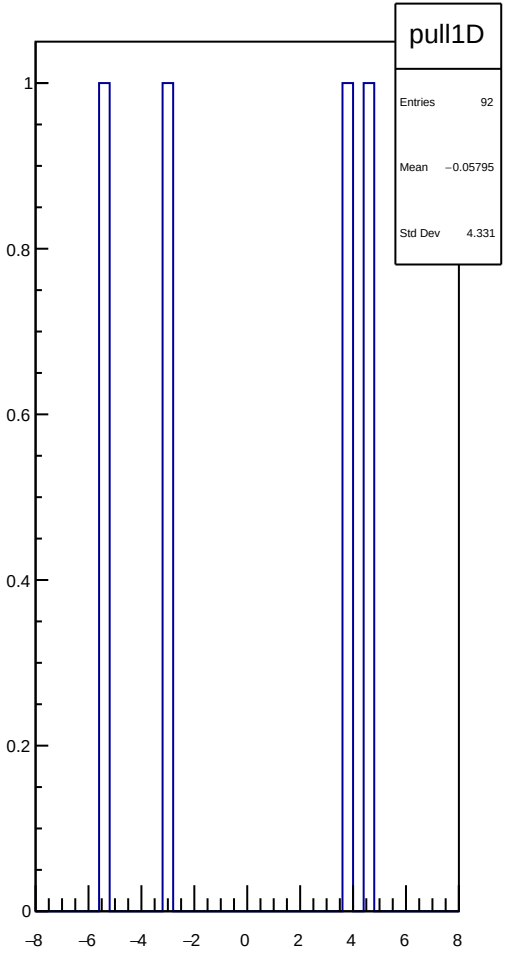

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

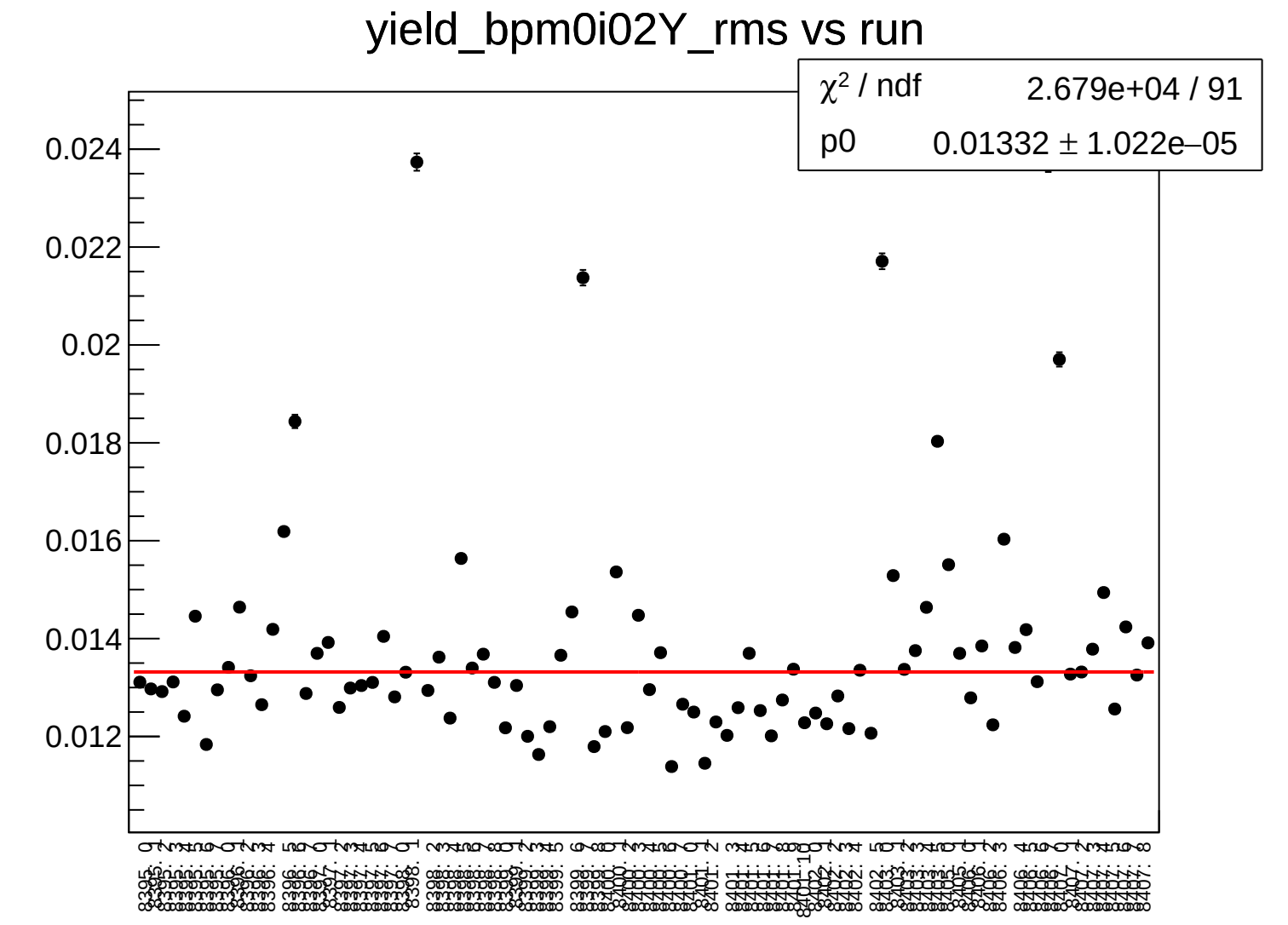

yield_bpm16Y_rms vs run
χ² / ndf 6.739e+04 / 91
p0 0.007582 ± 5.892e−06
0.05
0.04
0.03
0.02
0.01

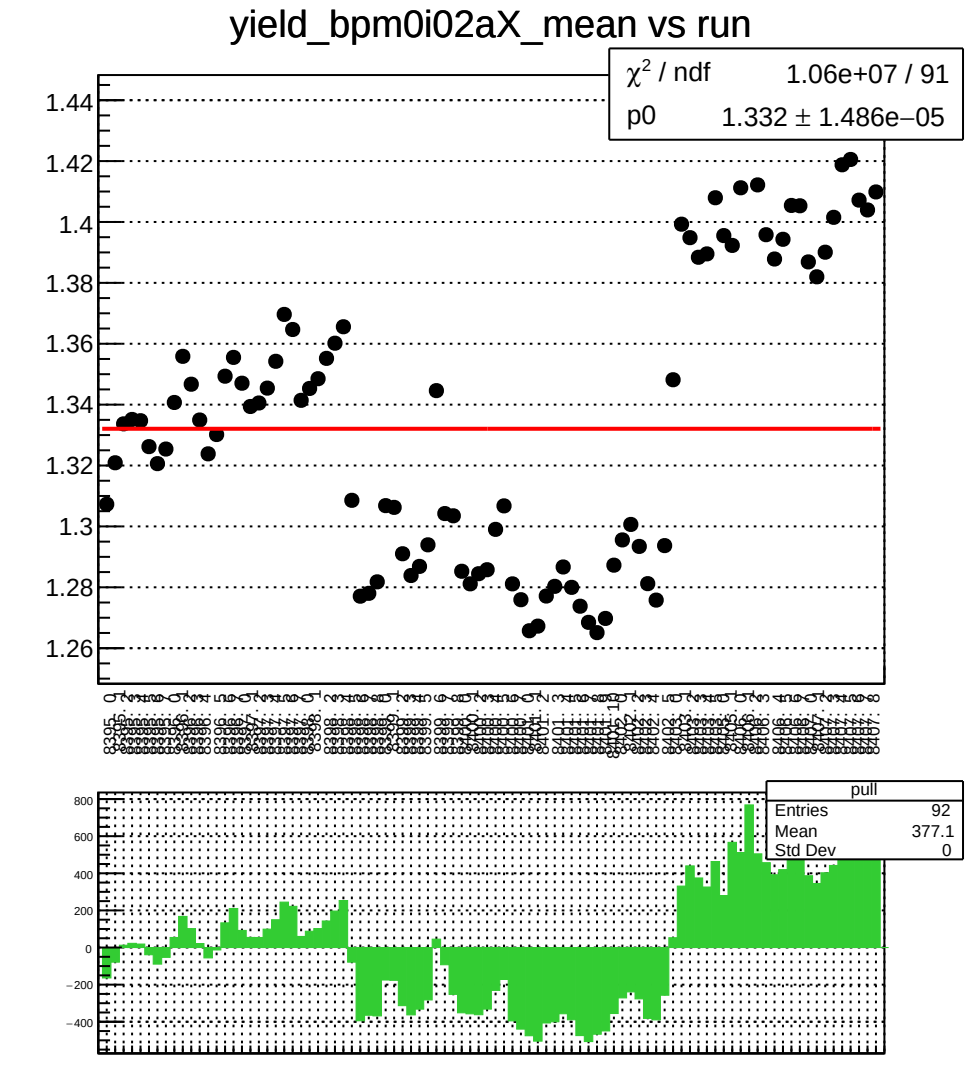

yield_bpm0i02X_mean vs run
χ² / ndf 4.539e+06 / 91
p0 0.7824 ± 8.037e−06
0.82
0.81
0.8
0.79
0.78
0.77
0.76
pull
Entries 92
Mean 586.4
Std Dev 0
600
400
200
0
−200
pull1D
Entries 92
Mean 0.5702
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

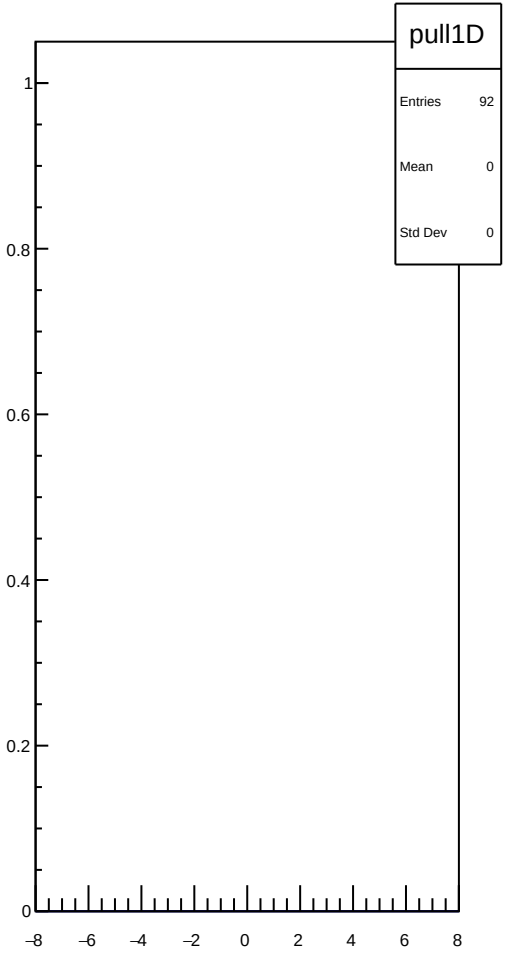

yield_bpm0i02X_rms vs run
χ² / ndf 1.736e+04 / 91
p0 0.007423 ± 5.683e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006

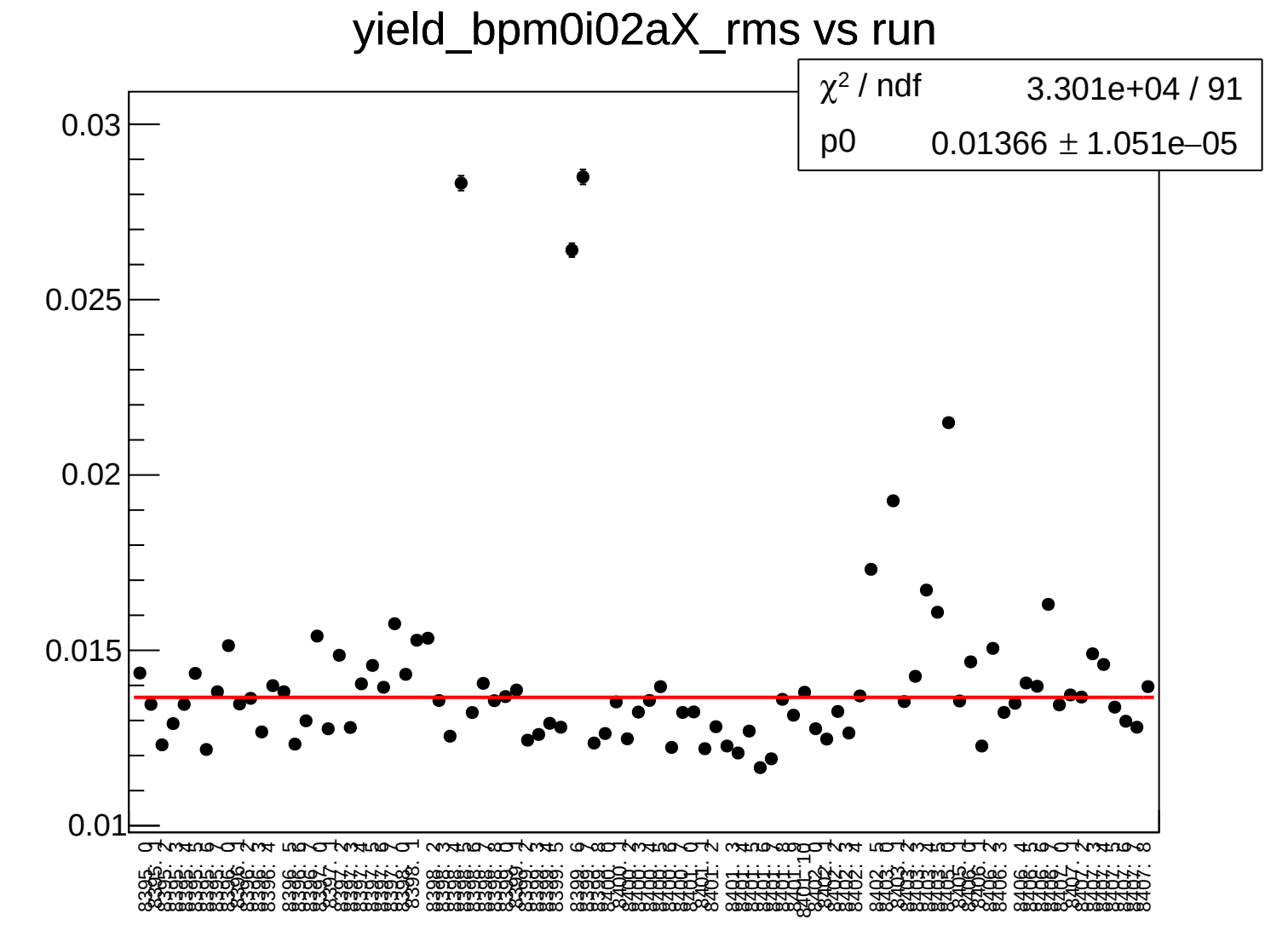

yield_bpm0i02Y_mean vs run
χ² / ndf 1.861e+06 / 91
p0 −3.732 ± 1.446e−05
−3.69
−3.7
−3.71
−3.72
−3.73
−3.74
−3.75
−3.76
−3.77
pull
Entries 92
Mean 5380
Std Dev 0
300
200
100
0
−100
−200
−300

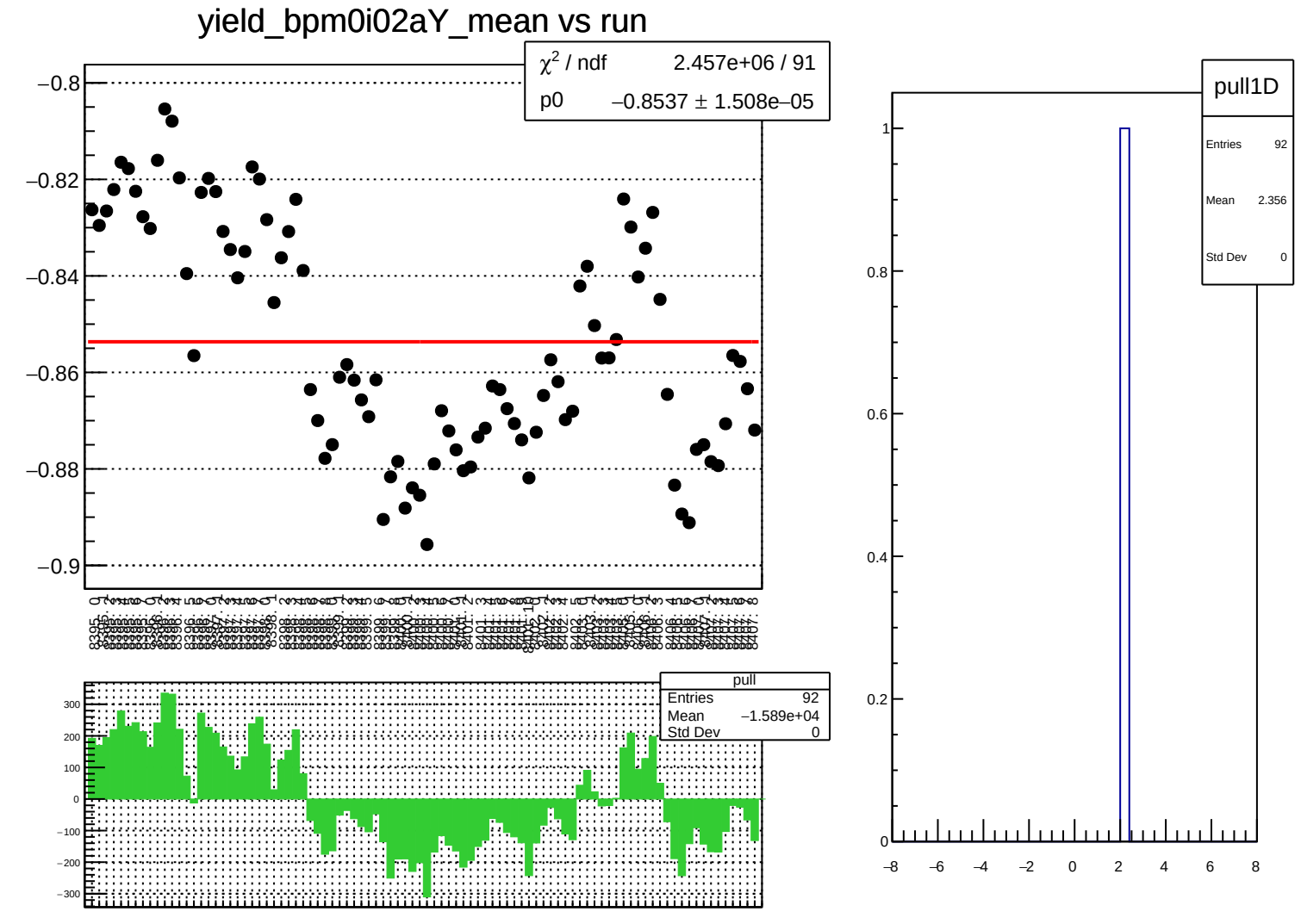

pull1D
Entries 92
Mean −0.05795
Std Dev 4.331
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

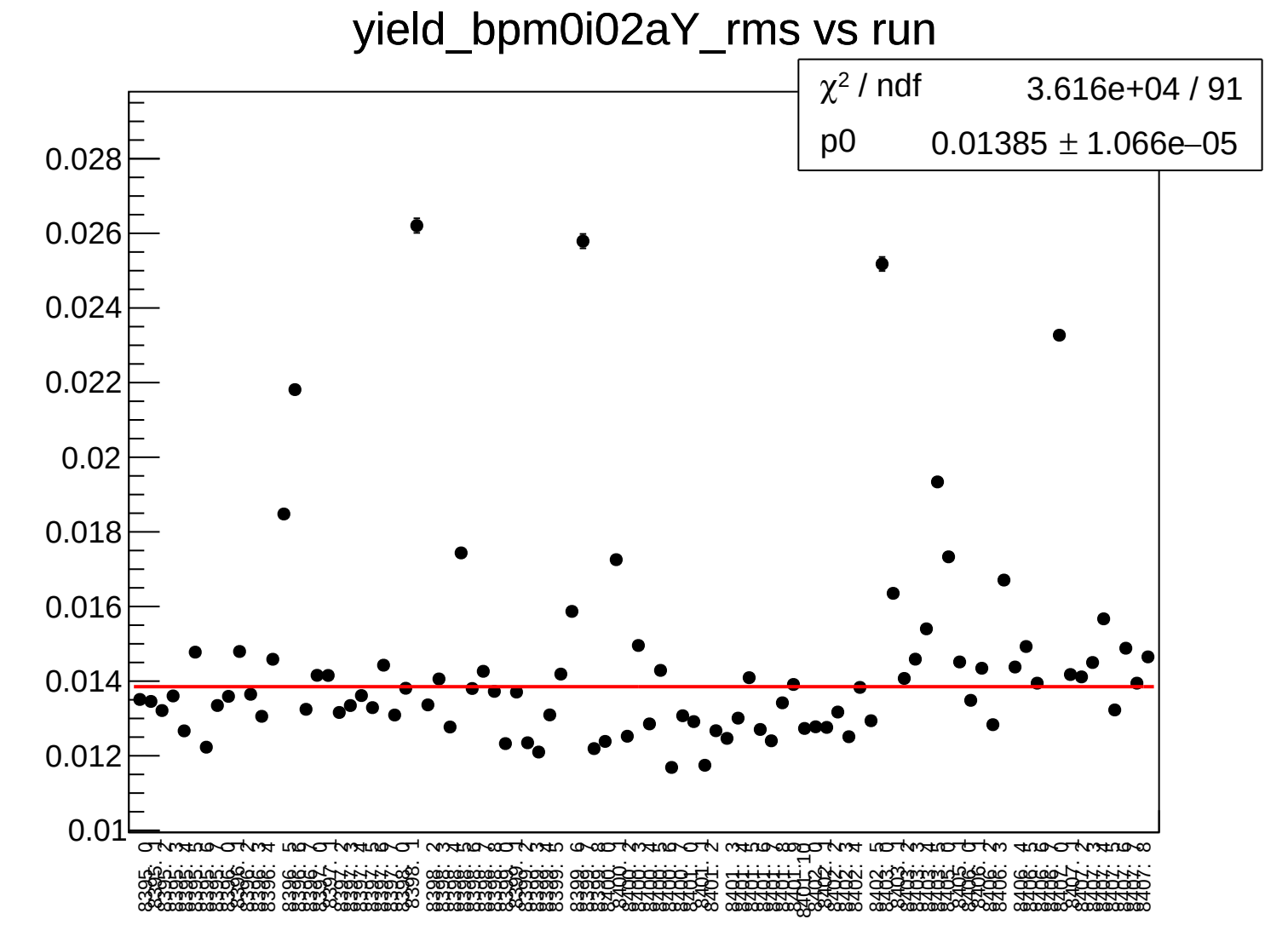

yield_bpm0i02Y_rms vs run
χ² / ndf 2.679e+04 / 91
p0 0.01332 ± 1.022e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012

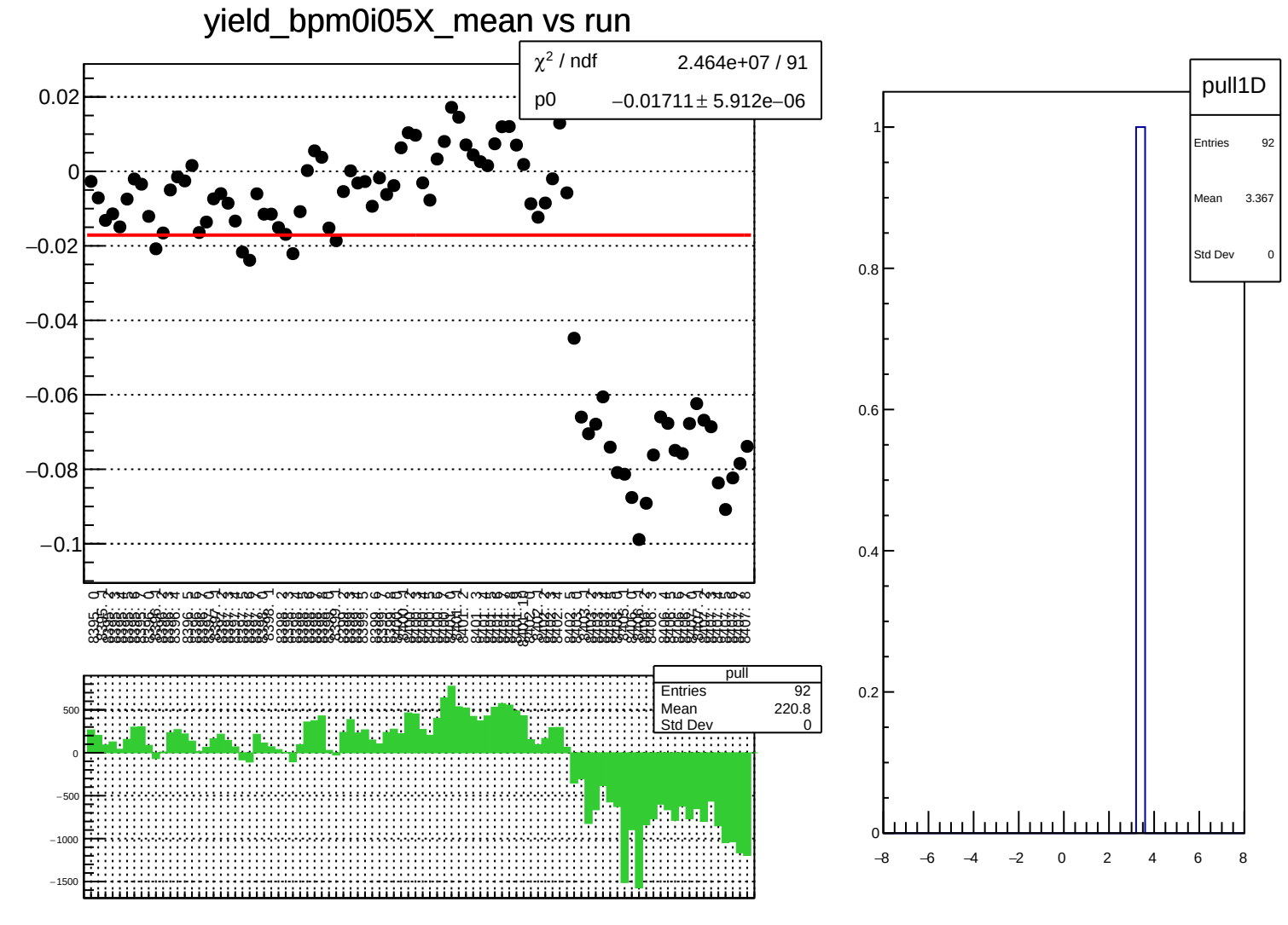

yield_bpm0i02aX_mean vs run
χ² / ndf 1.06e+07 / 91
p0 1.332 ± 1.486e−05
1.44
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
1.26
pull
Entries 92
Mean 377.1
Std Dev 0
800
600
400
200
0
−200
−400

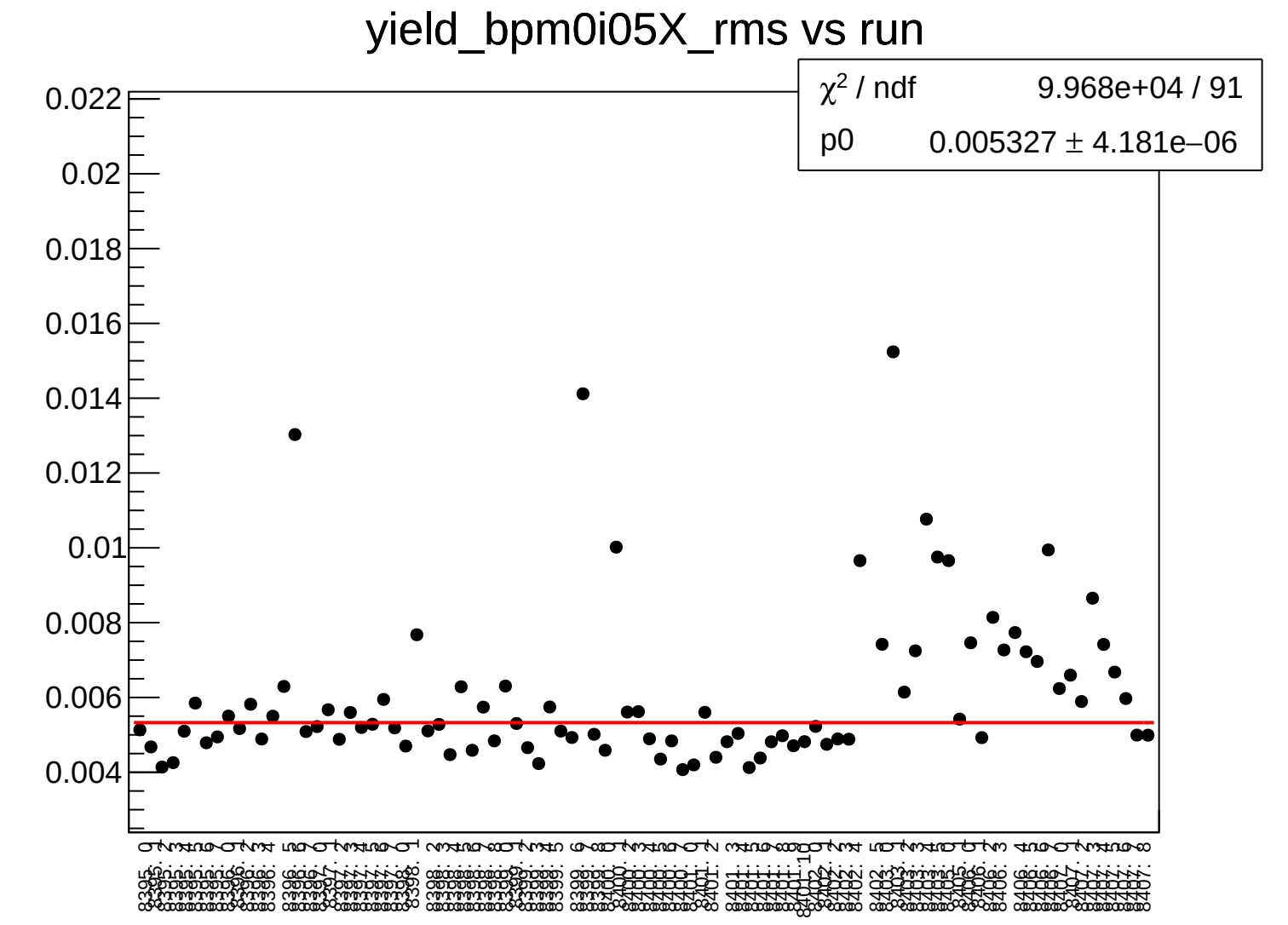

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

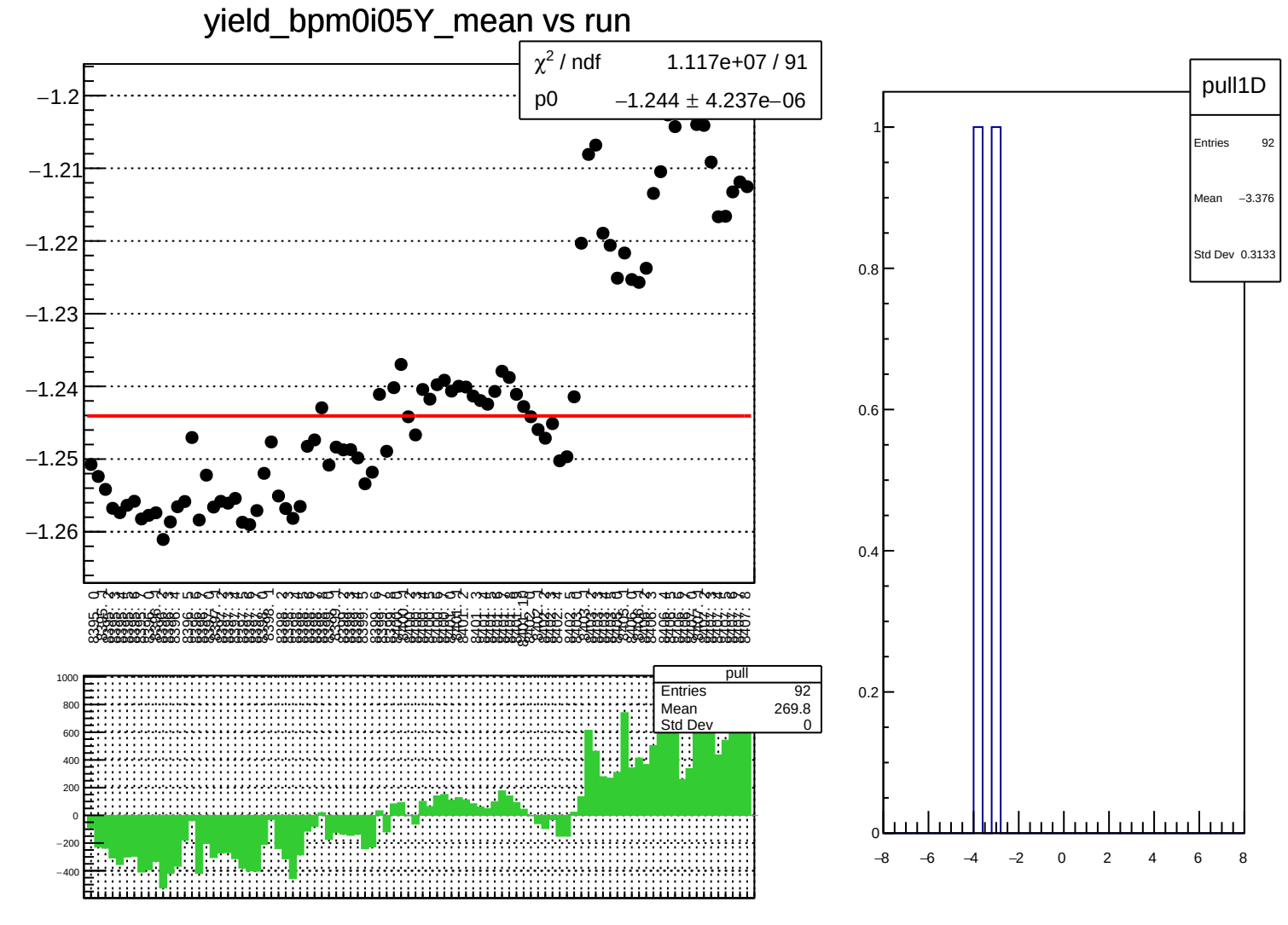

yield_bpm0i02aX_rms vs run
χ² / ndf 3.301e+04 / 91
p0 0.01366 ± 1.051e−05
0.03
0.025
0.02
0.015
0.01

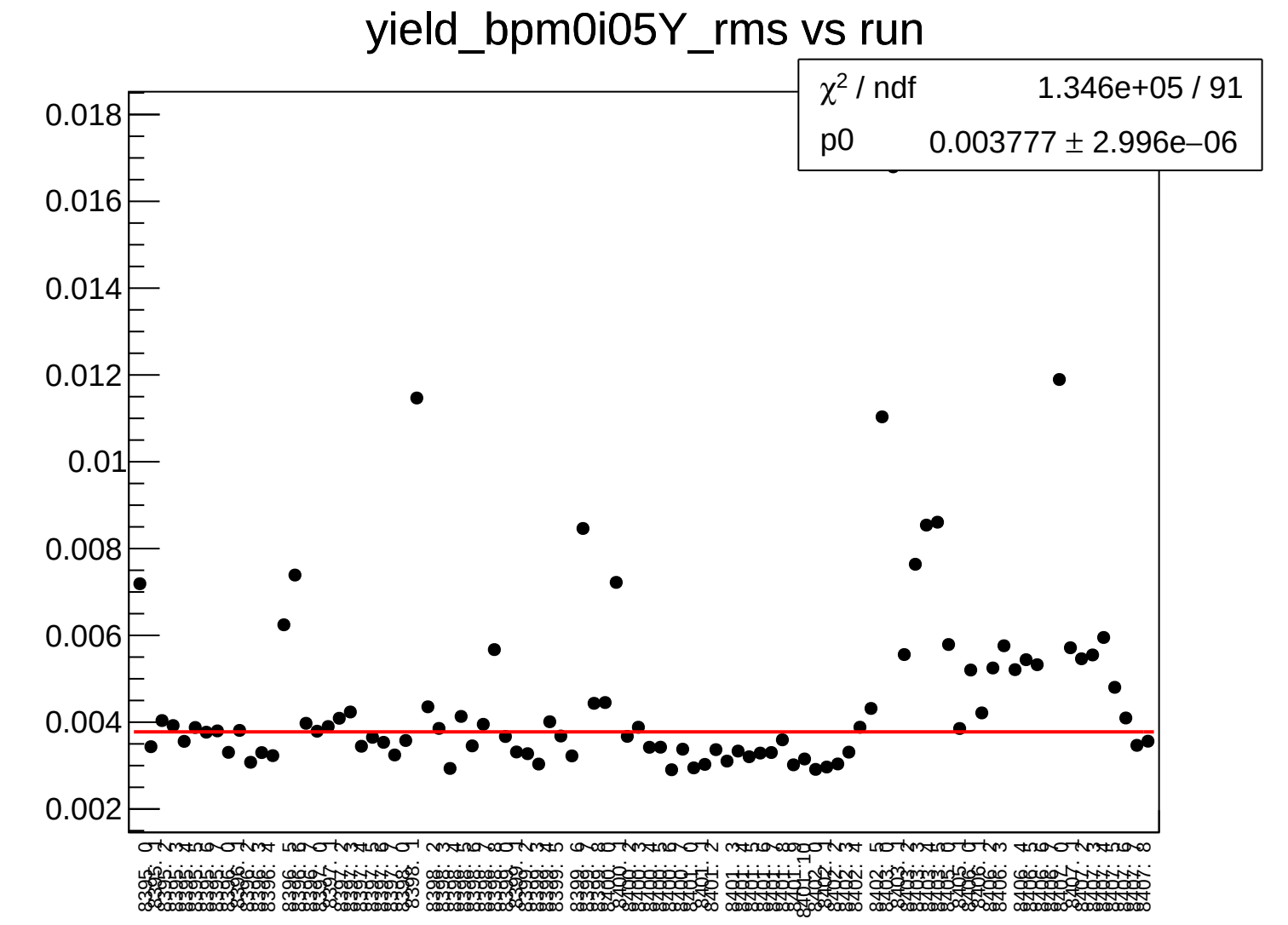

yield_bpm0i02aY_mean vs run
χ² / ndf 2.457e+06 / 91
p0 −0.8537 ± 1.508e−05
−0.8
−0.82
−0.84
−0.86
−0.88
−0.9
pull
Entries 92
Mean −1.589e+04
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 92
Mean 2.356
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

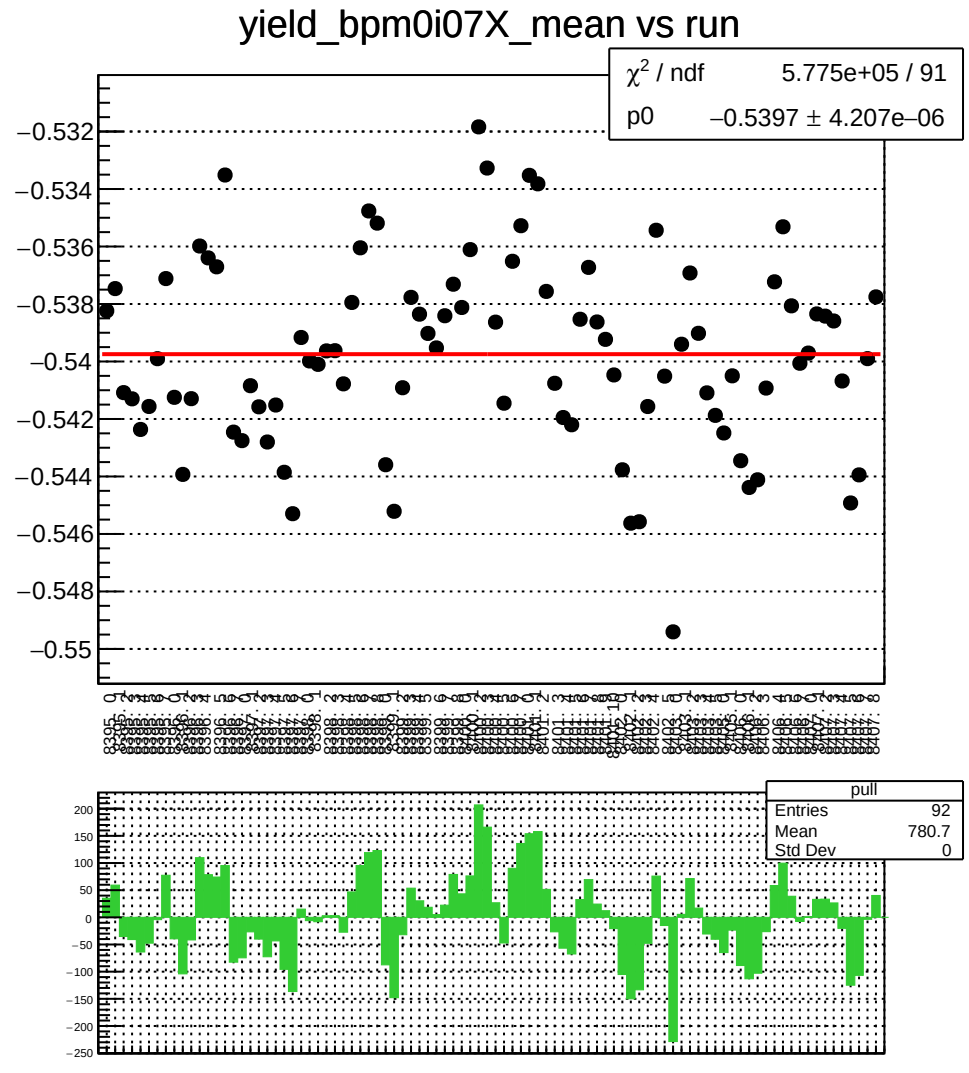

yield_bpm0i02aY_rms vs run
χ² / ndf 3.616e+04 / 91
p0 0.01385 ± 1.066e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

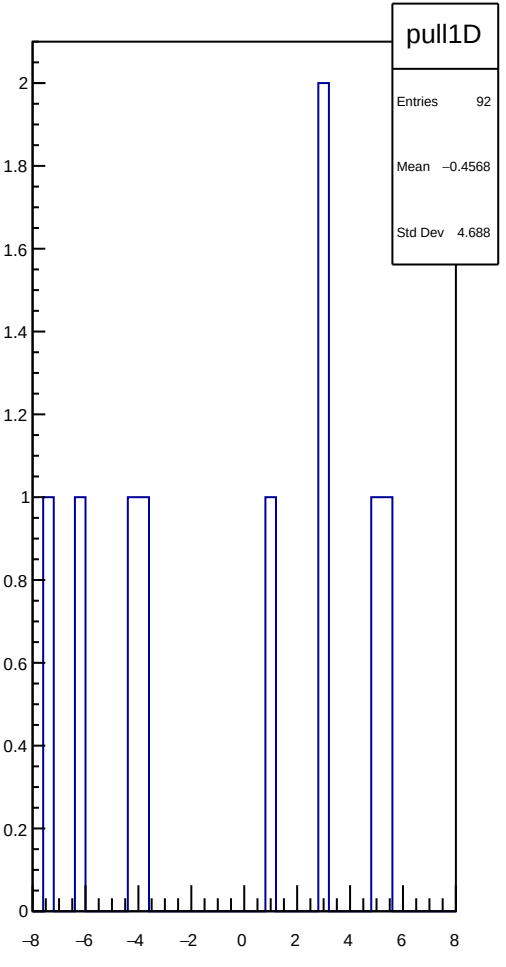

yield_bpm0i05X_mean vs run
χ² / ndf 2.464e+07 / 91
p0 −0.01711 ± 5.912e−06
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 92
Mean 220.8
Std Dev 0
500
0
−500
−1000
−1500
pull1D
Entries 92
Mean 3.367
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

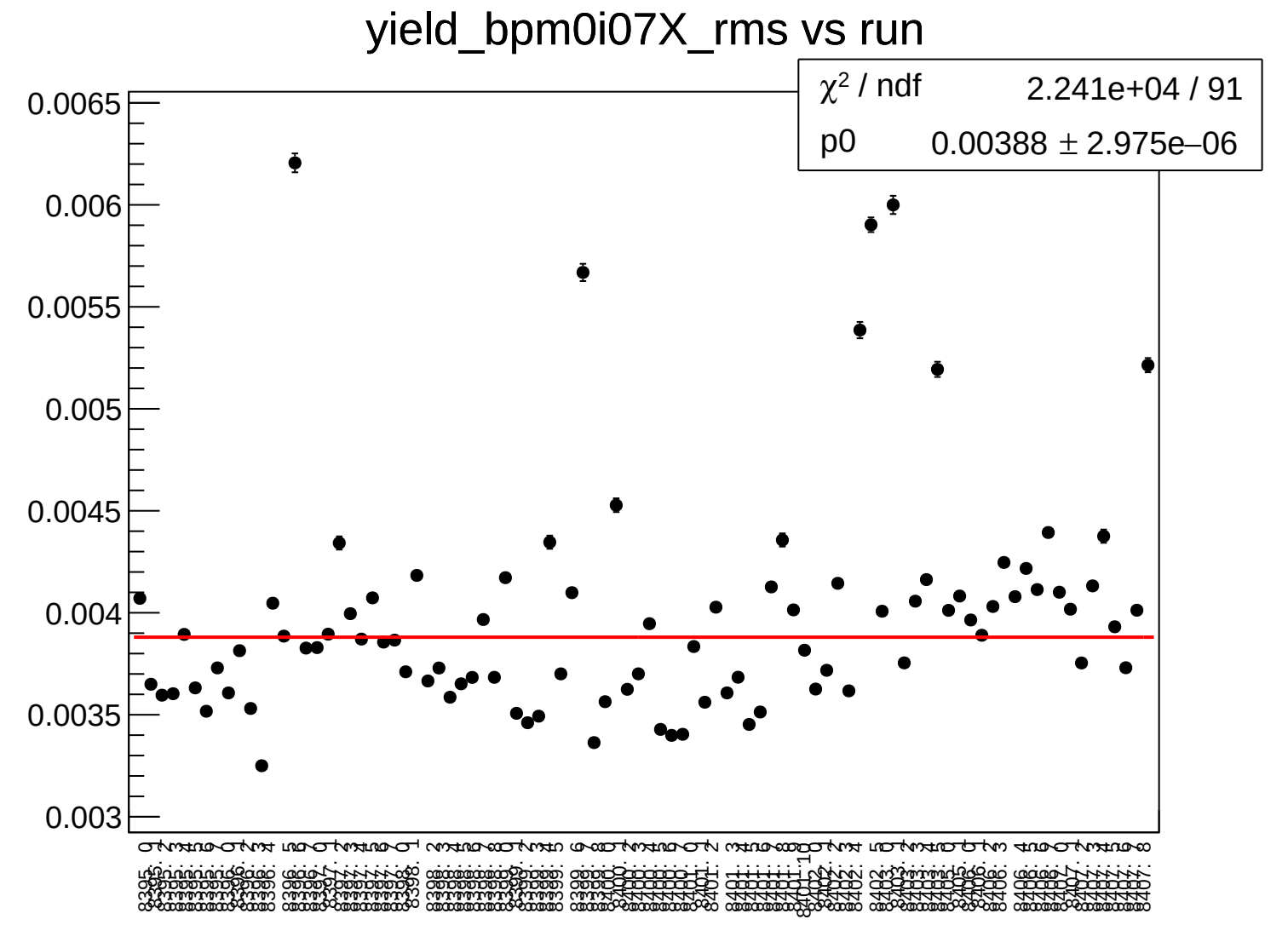

yield_bpm0i05X_rms vs run
$\chi^2$ / ndf 9.968e+04 / 91
p0 0.005327 ± 4.181e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

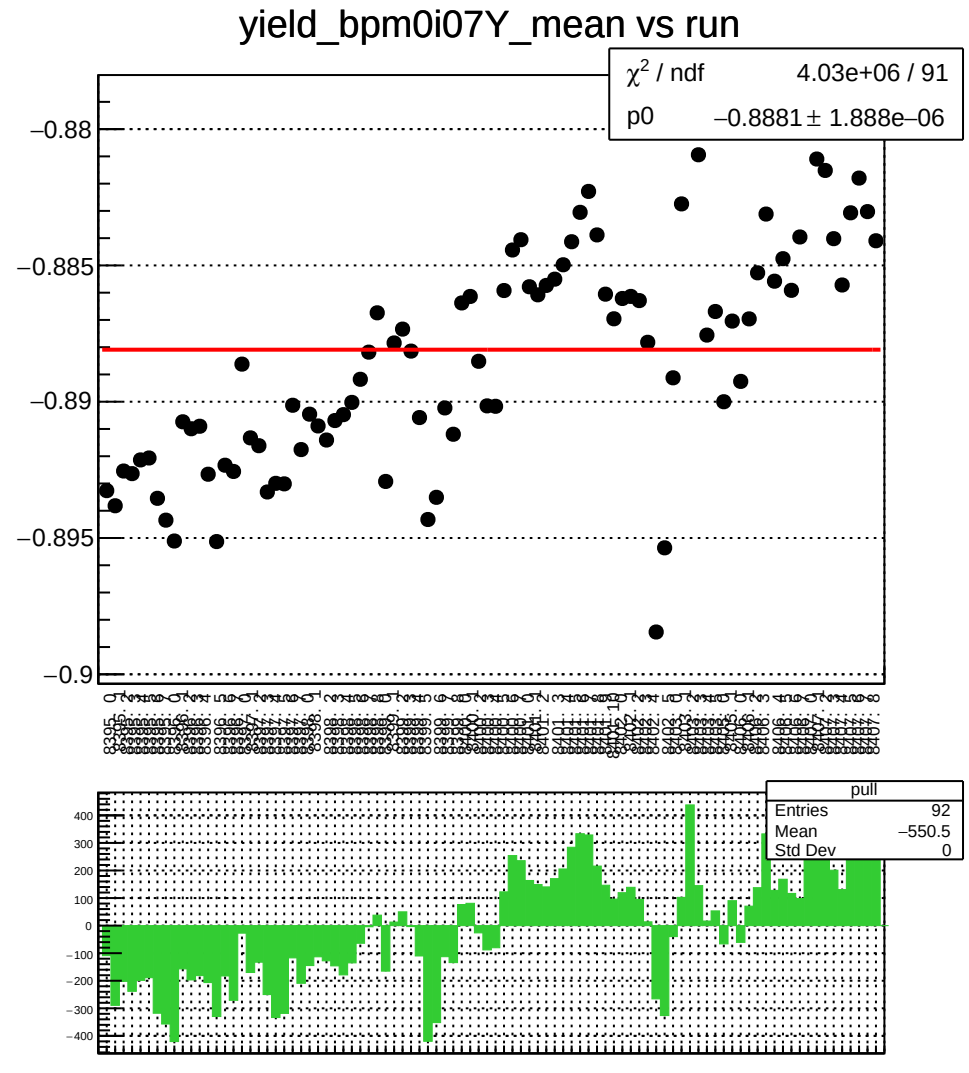

yield_bpm0i05Y_mean vs run
χ² / ndf 1.117e+07 / 91
p0 −1.244 ± 4.237e−06
−1.2
−1.21
−1.22
−1.23
−1.24
−1.25
−1.26
pull
Entries 92
Mean 269.8
Std Dev 0
1000
800
600
400
200
0
−200
−400
pull1D
Entries 92
Mean −3.376
Std Dev 0.3133
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

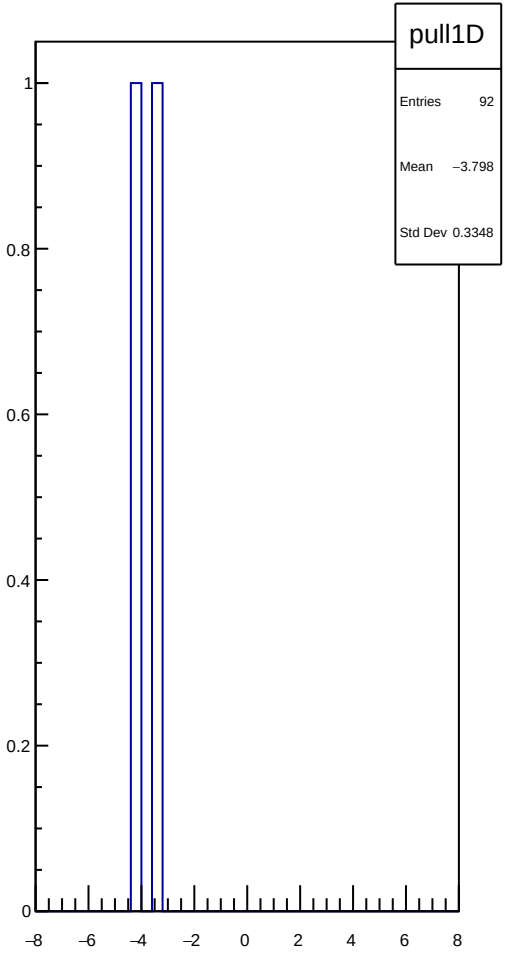

yield_bpm0i05Y_rms vs run
χ² / ndf 1.346e+05 / 91
p0 0.003777 ± 2.996e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

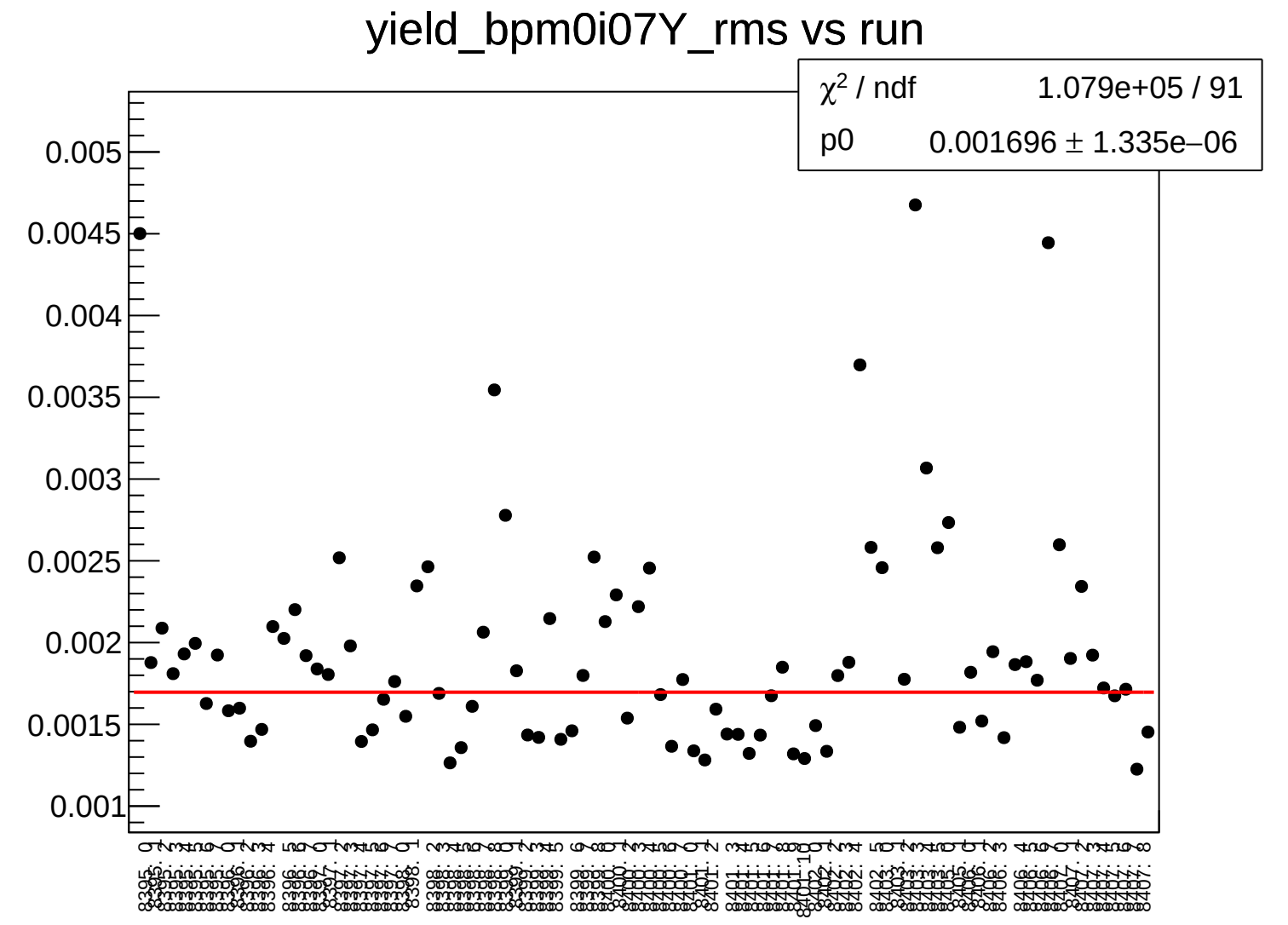

yield_bpm0i07X_mean vs run
χ² / ndf 5.775e+05 / 91
p0 −0.5397 ± 4.207e−06
−0.532
−0.534
−0.536
−0.538
−0.54
−0.542
−0.544
−0.546
−0.548
−0.55
pull
Entries 92
Mean 780.7
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

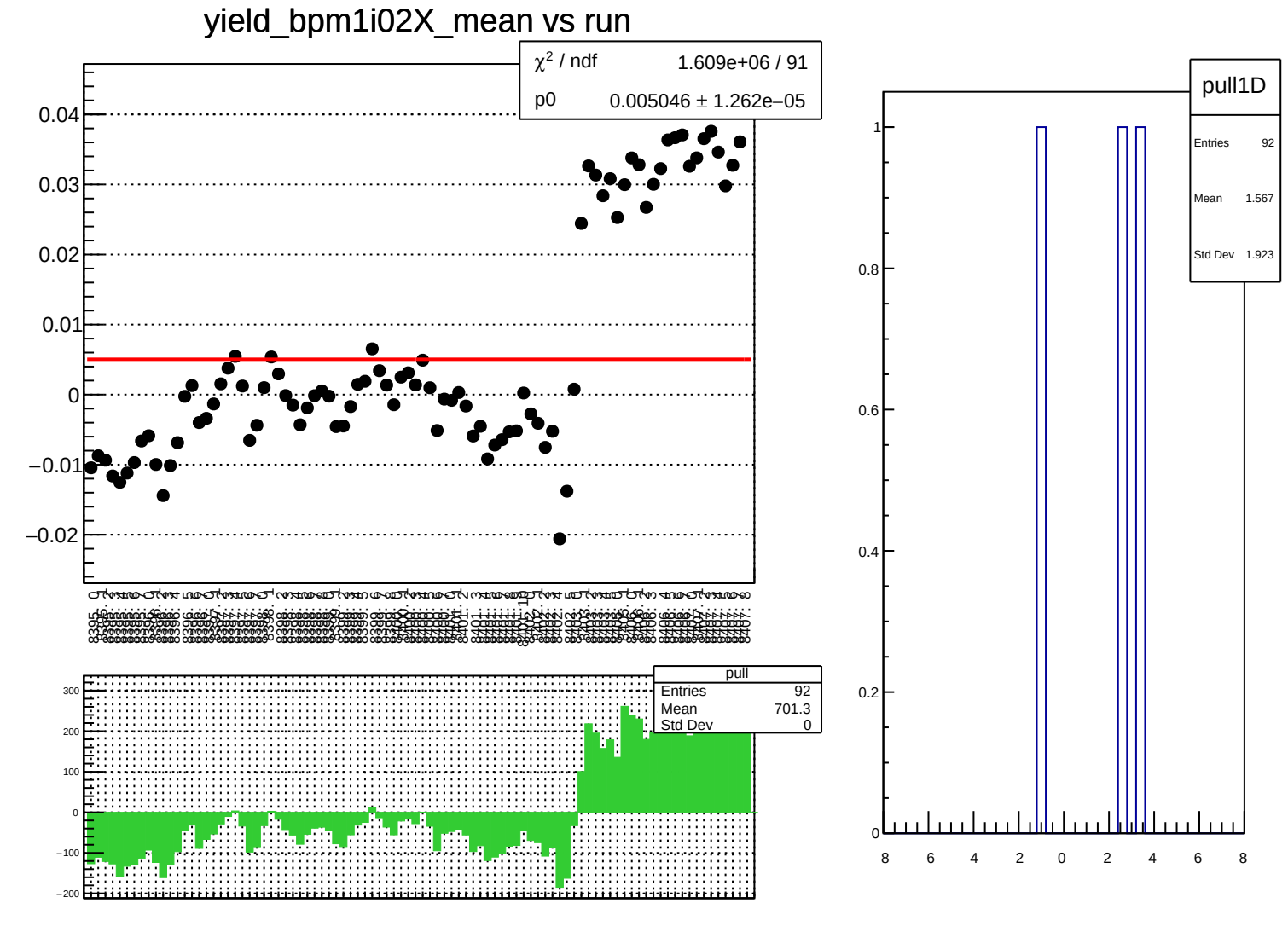

pull1D
Entries 92
Mean −0.4568
Std Dev 4.688
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

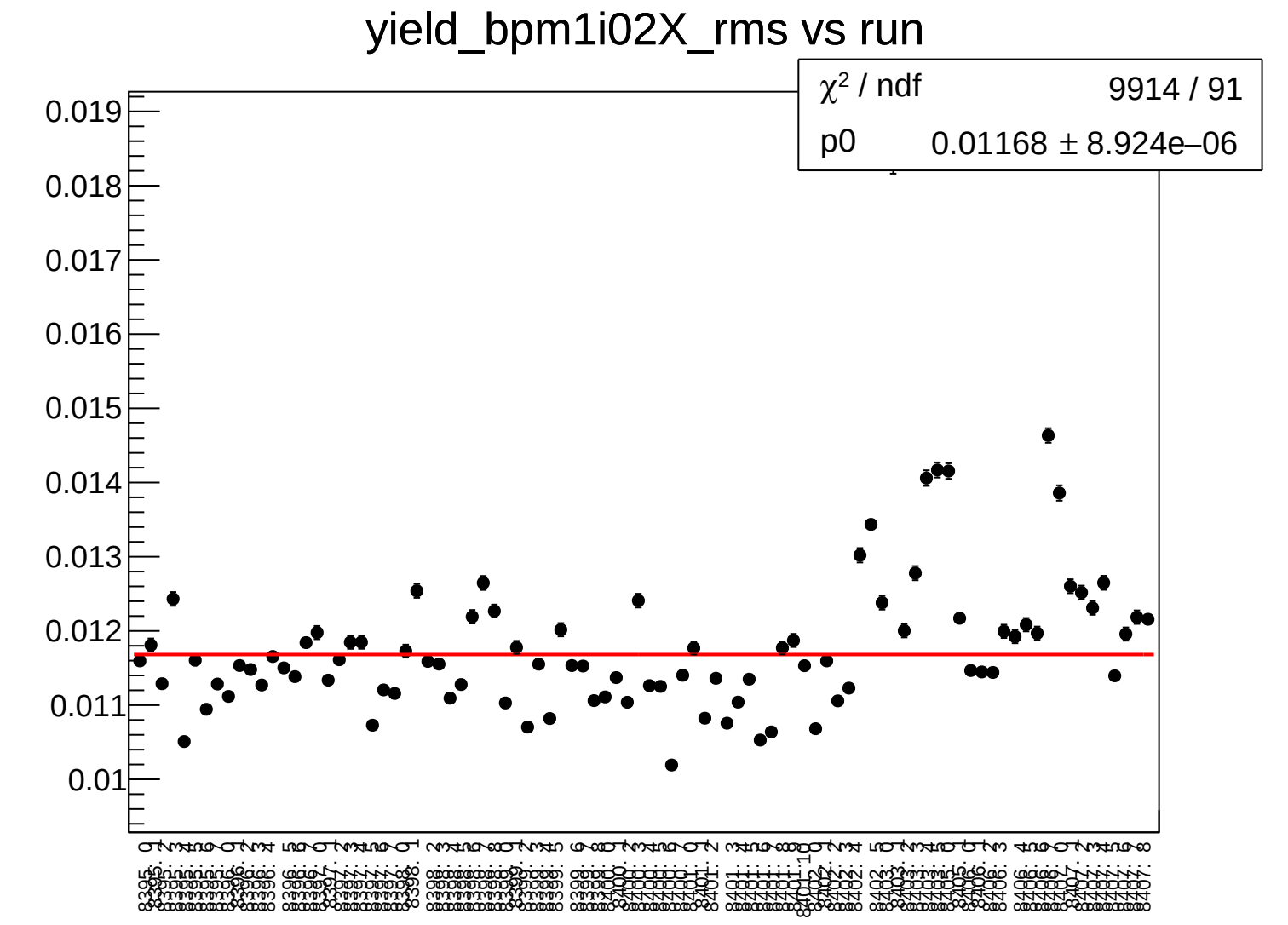

yield_bpm0i07X_rms vs run
χ² / ndf 2.241e+04 / 91
p0 0.00388 ± 2.975e–06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

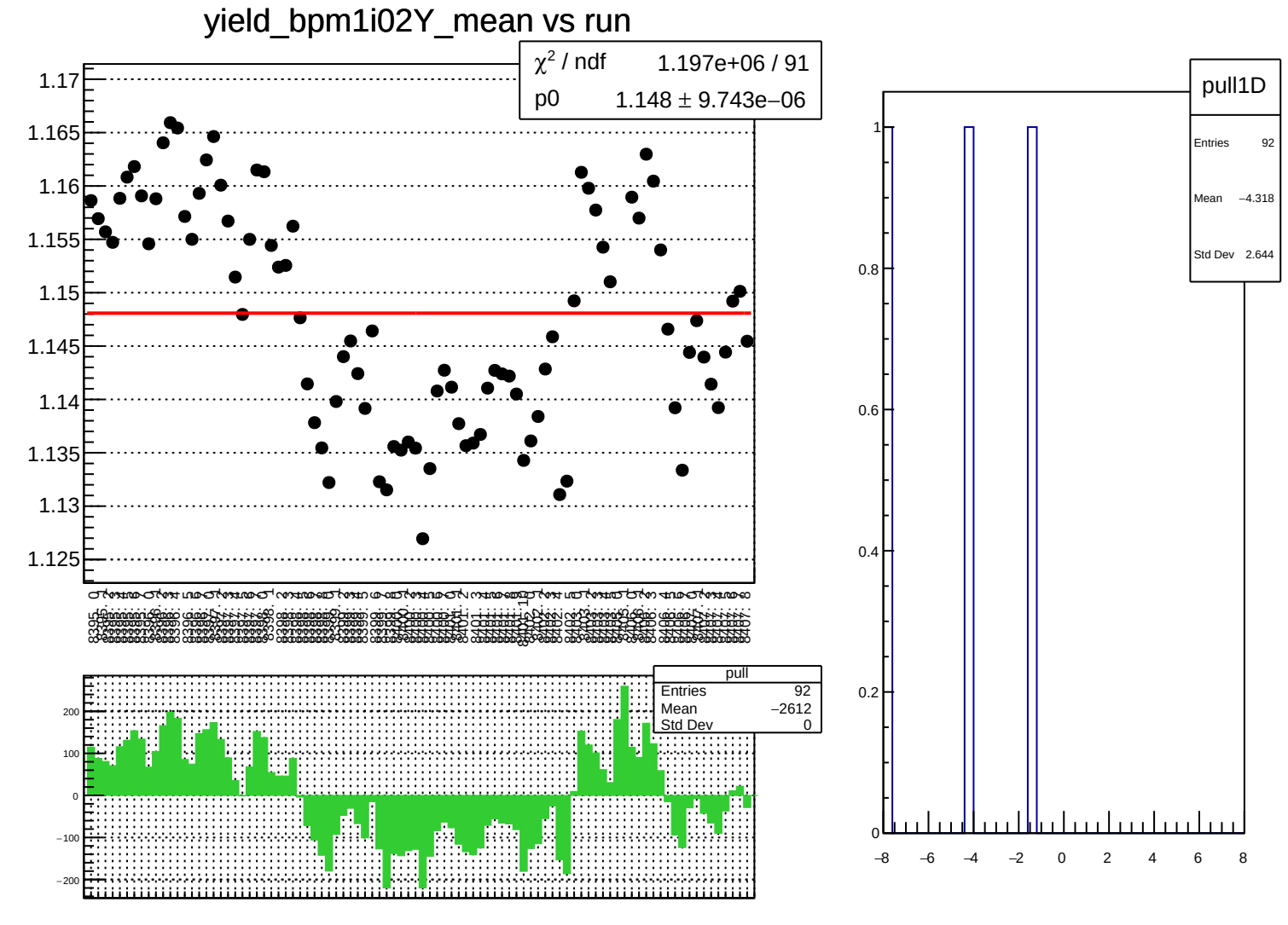

yield_bpm0i07Y_mean vs run
χ² / ndf 4.03e+06 / 91
p0 −0.8881 ± 1.888e−06
−0.88
−0.885
−0.89
−0.895
−0.9
pull
Entries 92
Mean −550.5
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

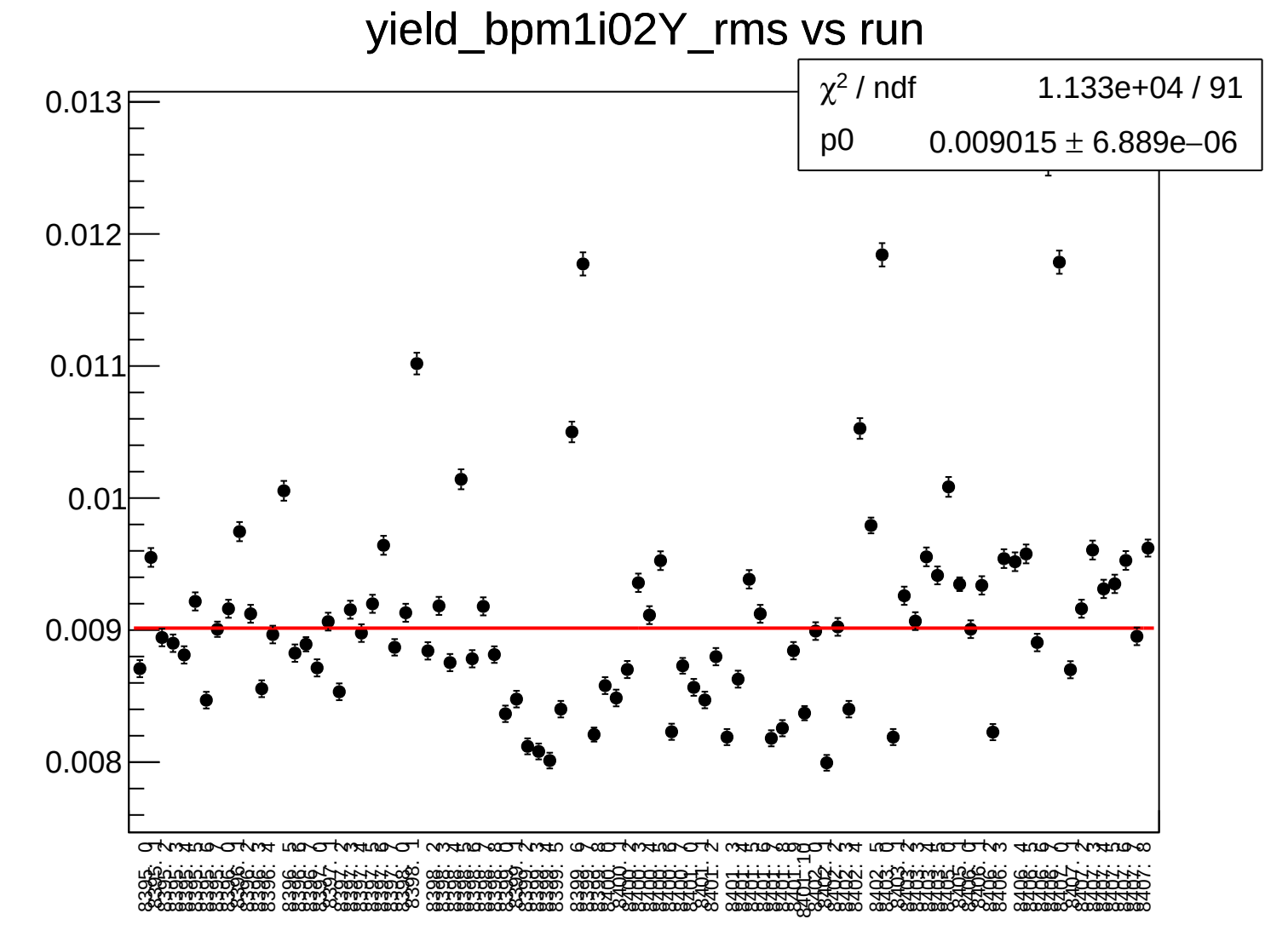

pull1D
Entries 92
Mean −3.798
Std Dev 0.3348
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

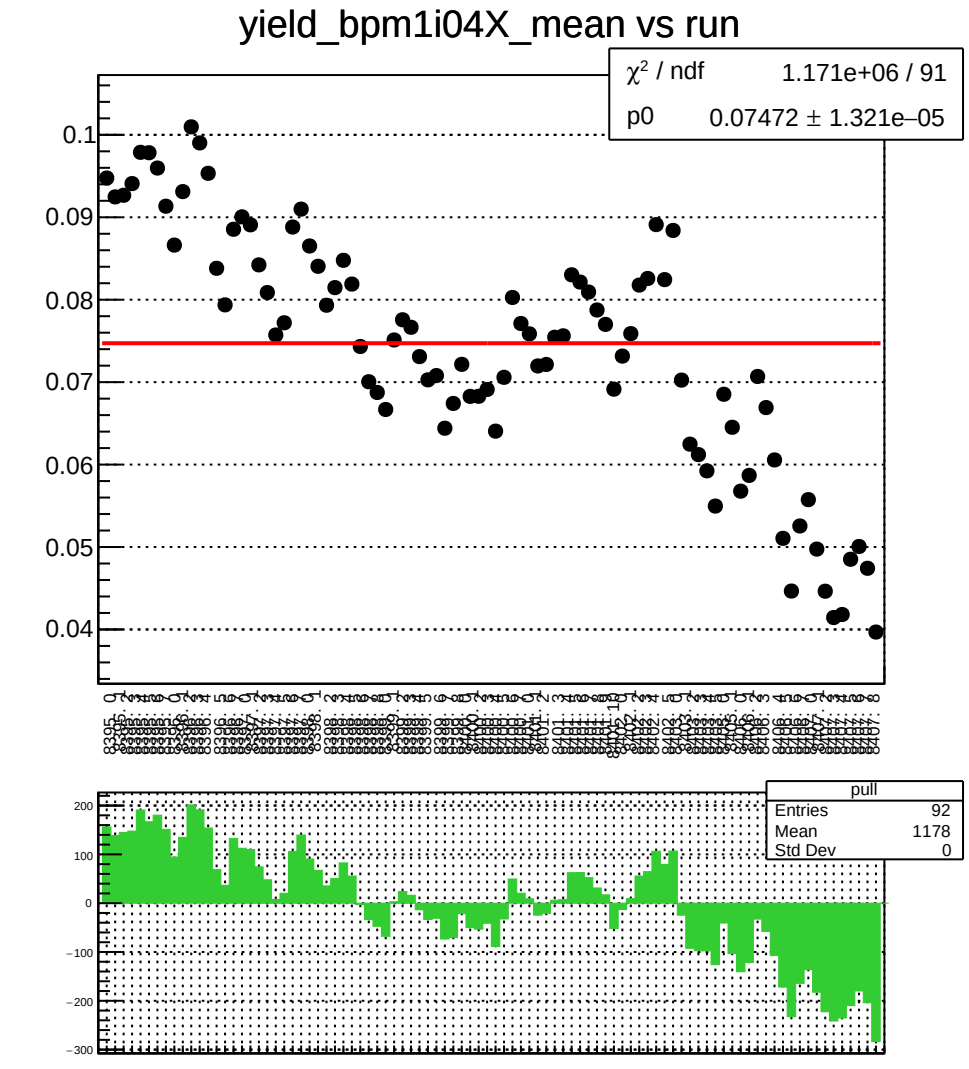

yield_bpm0i07Y_rms vs run
χ² / ndf 1.079e+05 / 91
p0 0.001696 ± 1.335e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001

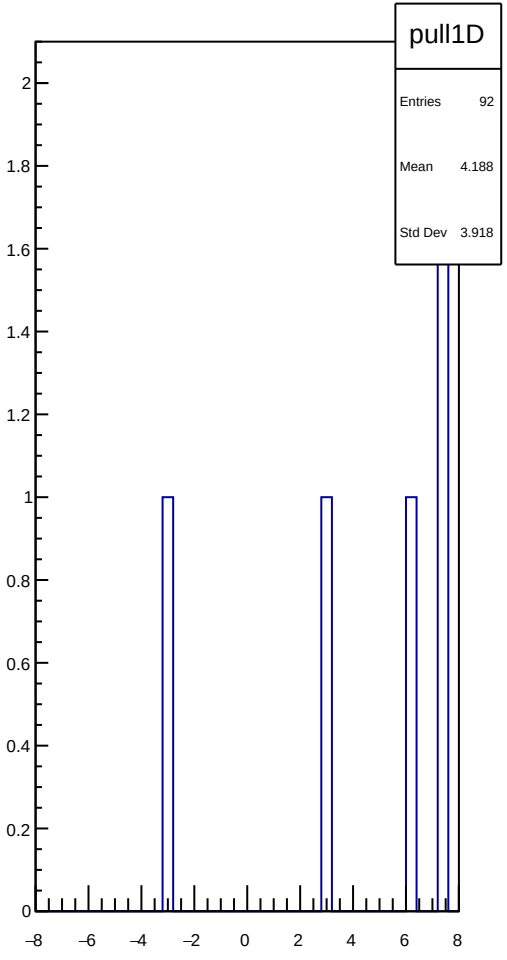

yield_bpm1i02X_mean vs run
χ² / ndf 1.609e+06 / 91
p0 0.005046 ± 1.262e−05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean 701.3
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 92
Mean 1.567
Std Dev 1.923
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

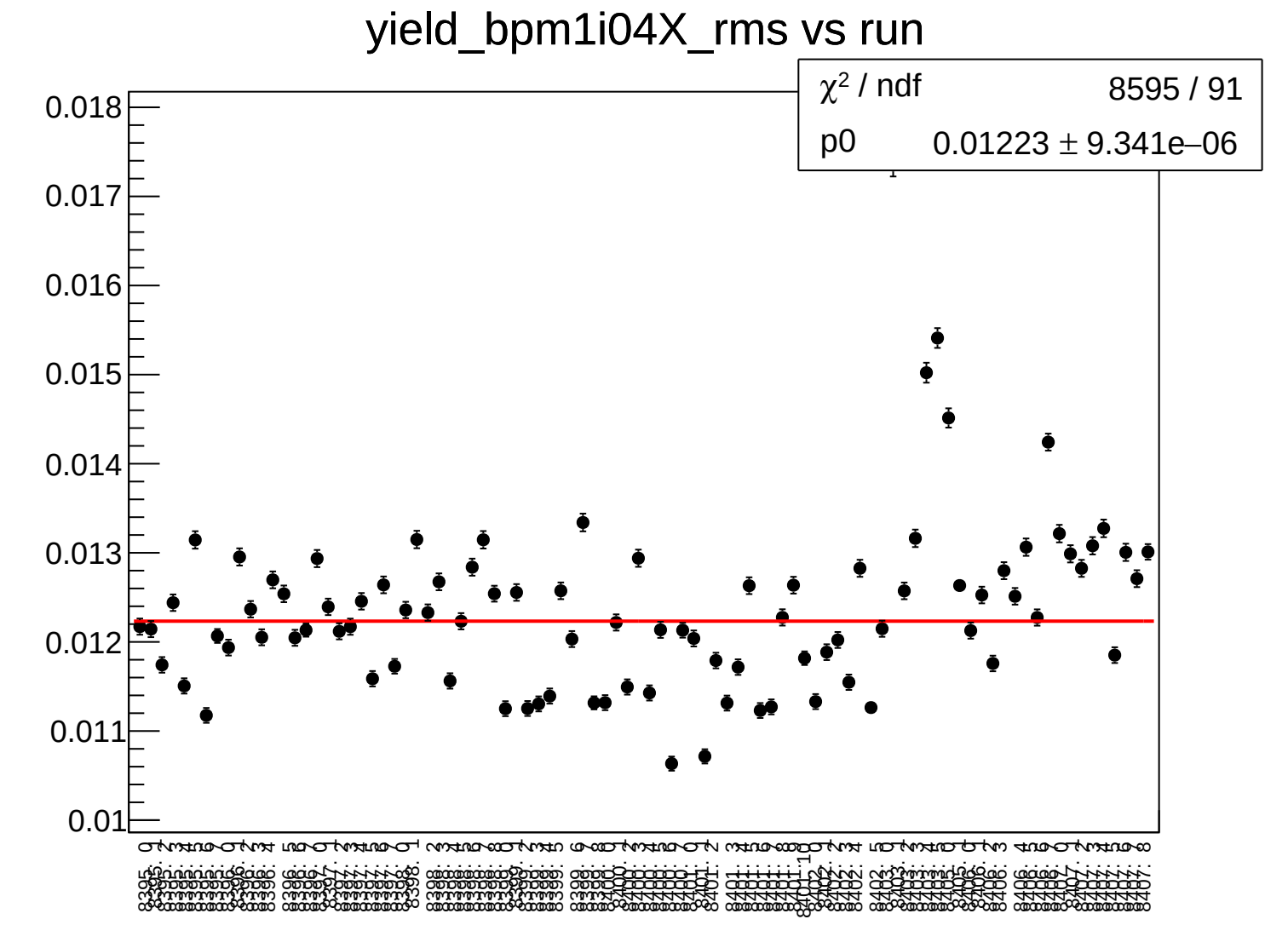

yield_bpm1i02X_rms vs run
χ² / ndf 9914 / 91
p0 0.01168 ± 8.924e−06
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01

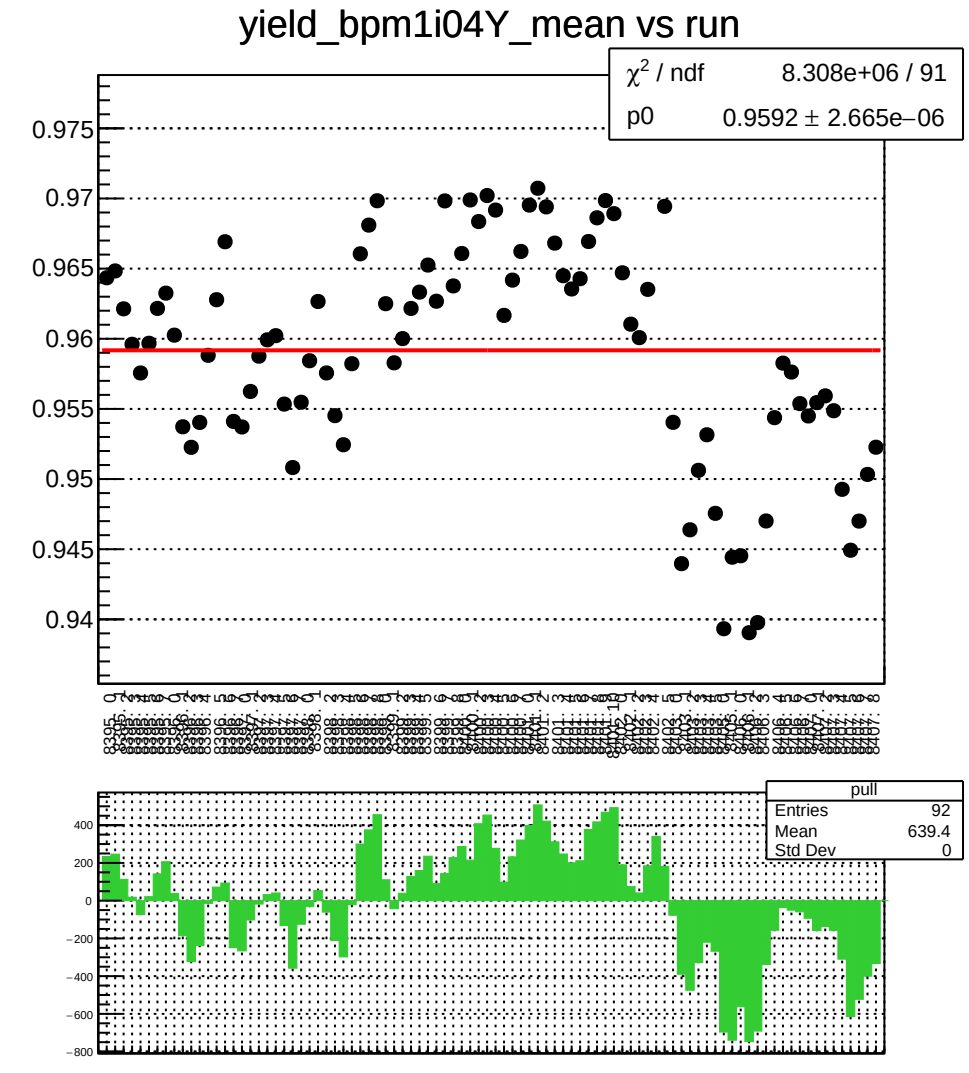

yield_bpm1i02Y_mean vs run
χ² / ndf 1.197e+06 / 91
p0 1.148 ± 9.743e−06
1.17
1.165
1.16
1.155
1.15
1.145
1.14
1.135
1.13
1.125
pull
Entries 92
Mean −2612
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 92
Mean −4.318
Std Dev 2.644
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

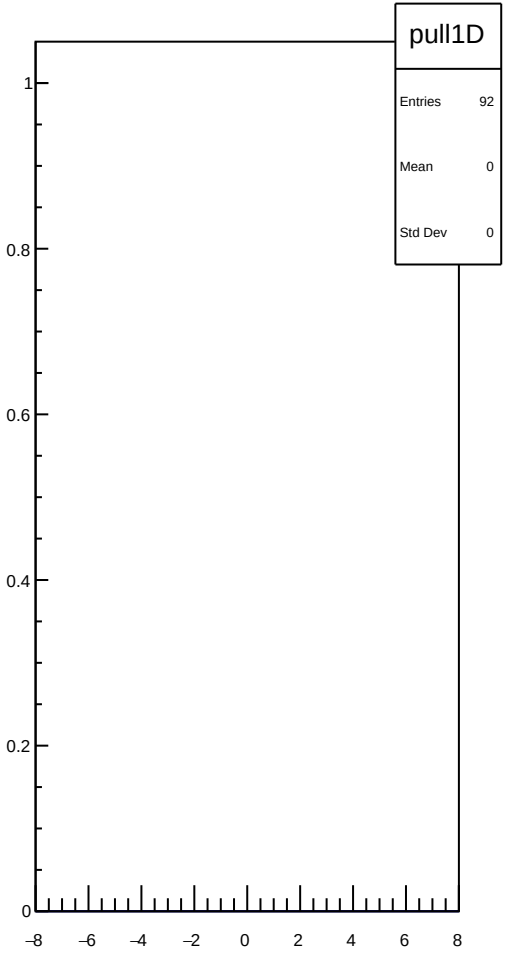

yield_bpm1i02Y_rms vs run
χ² / ndf 1.133e+04 / 91
p0 0.009015 ± 6.889e−06
0.013
0.012
0.011
0.01
0.009
0.008

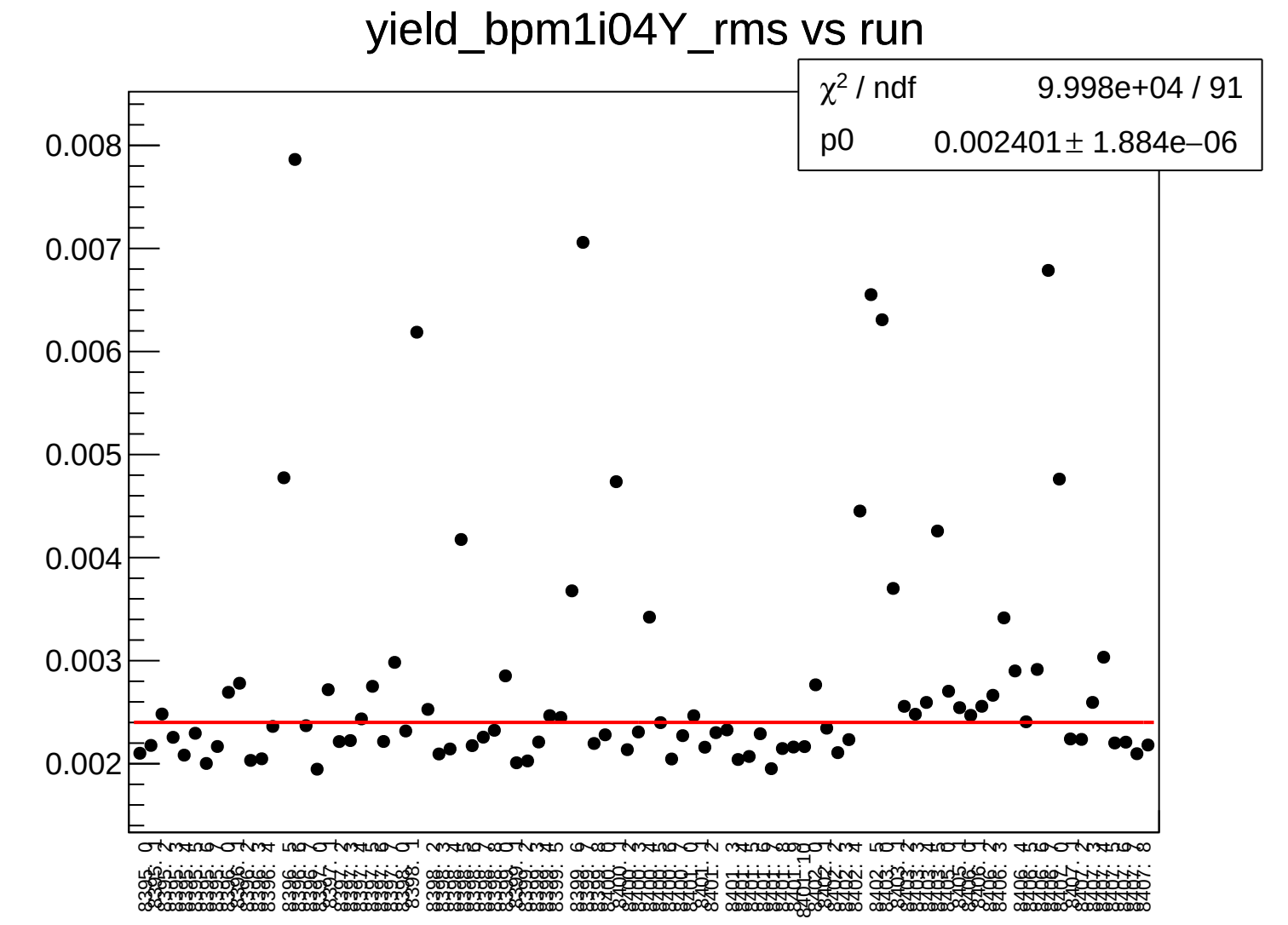

yield_bpm1i04X_mean vs run
χ² / ndf 1.171e+06 / 91
p0 0.07472 ± 1.321e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
pull
Entries 92
Mean 1178
Std Dev 0
200
100
0
−100
−200
−300

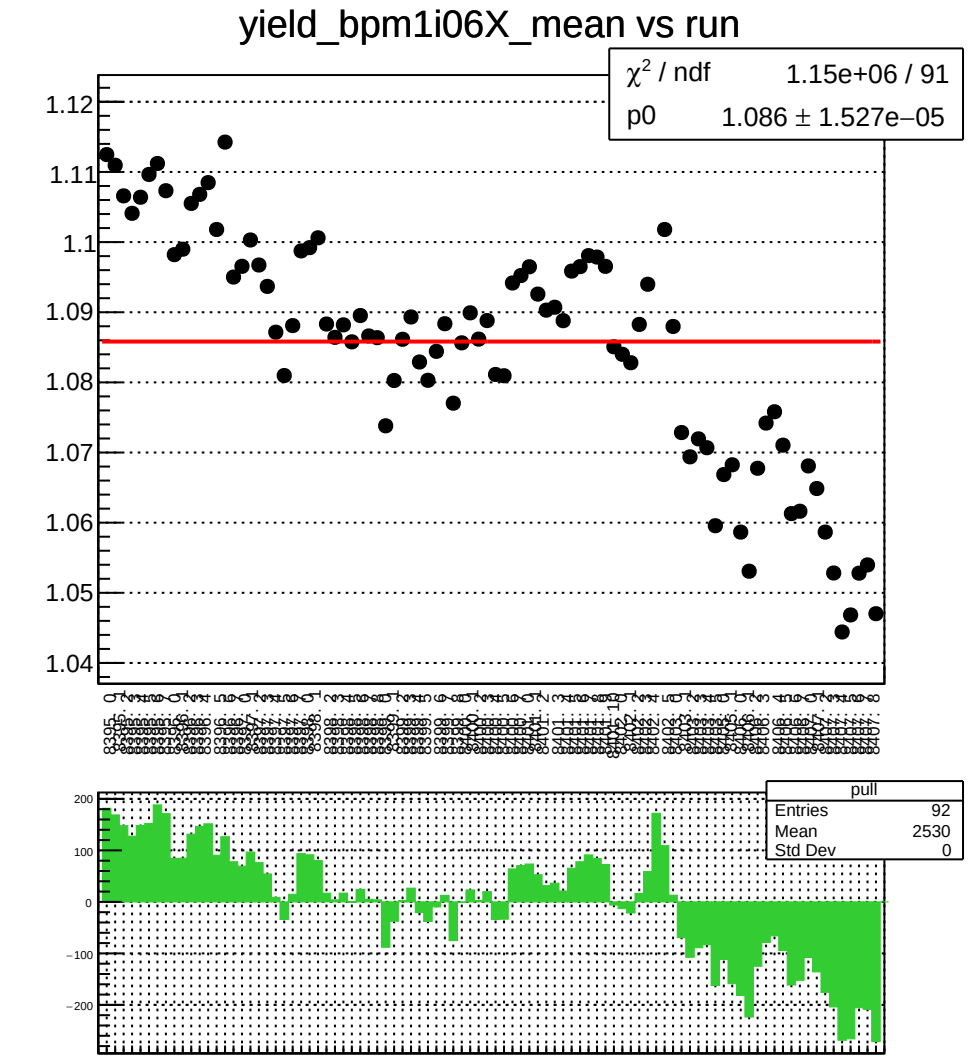

pull1D
Entries 92
Mean 4.188
Std Dev 3.918
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

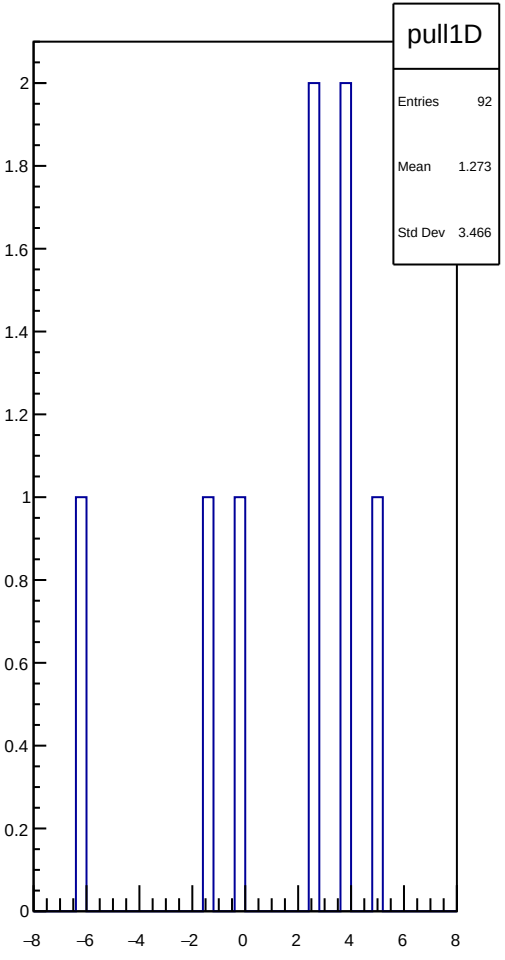

yield_bpm1i04X_rms vs run
χ² / ndf 8595 / 91
p0 0.01223 ± 9.341e–06
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01

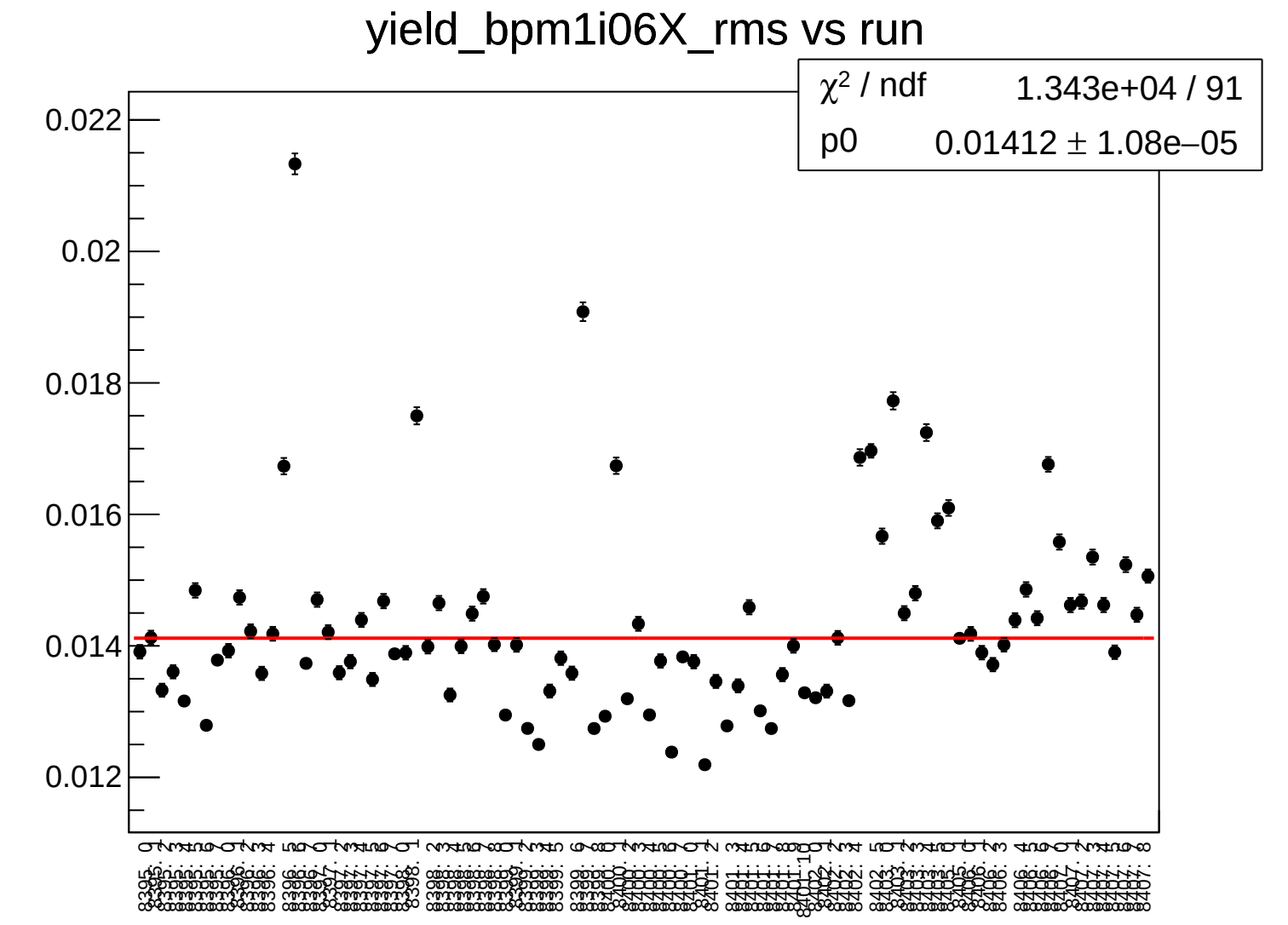

yield_bpm1i04Y_mean vs run
χ² / ndf 8.308e+06 / 91
p0 0.9592 ± 2.665e−06
0.975
0.97
0.965
0.96
0.955
0.95
0.945
0.94
pull
Entries 92
Mean 639.4
Std Dev 0
400
200
0
−200
−400
−600
−800

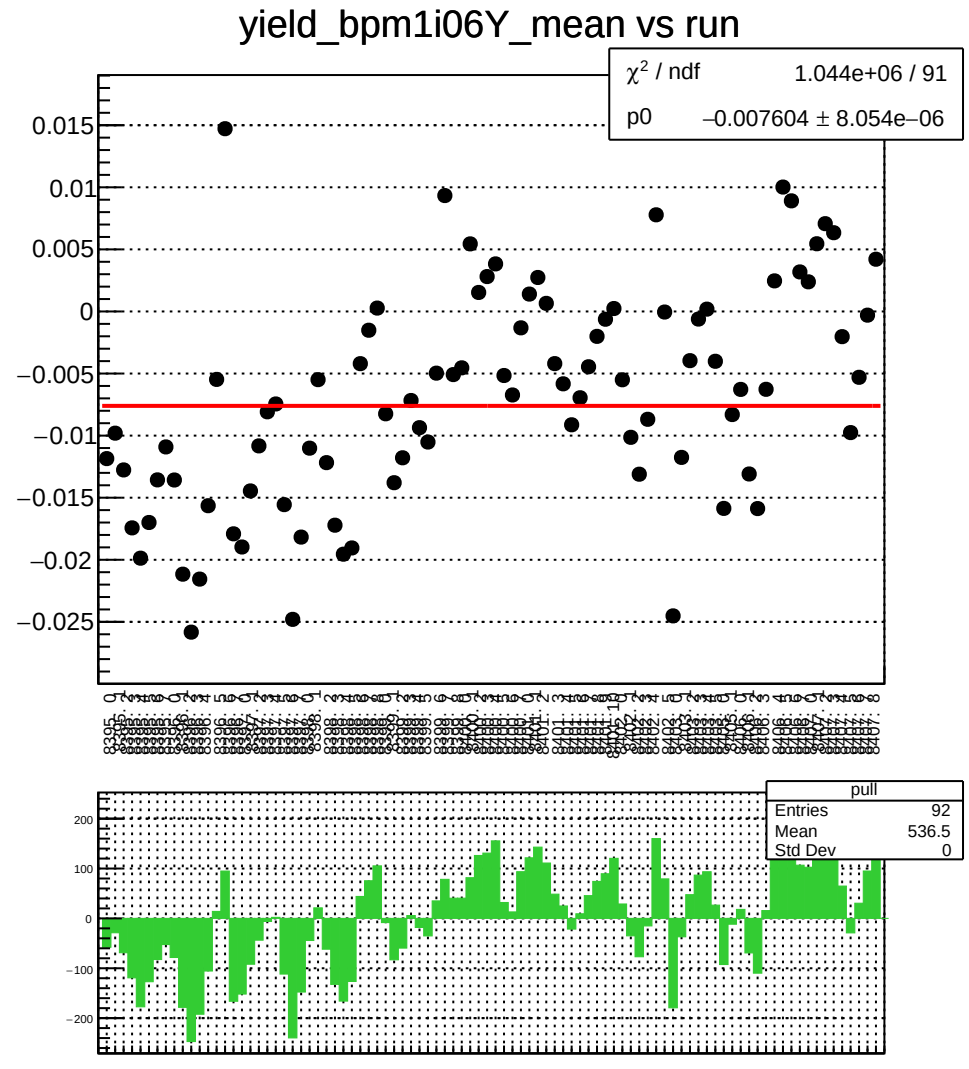

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

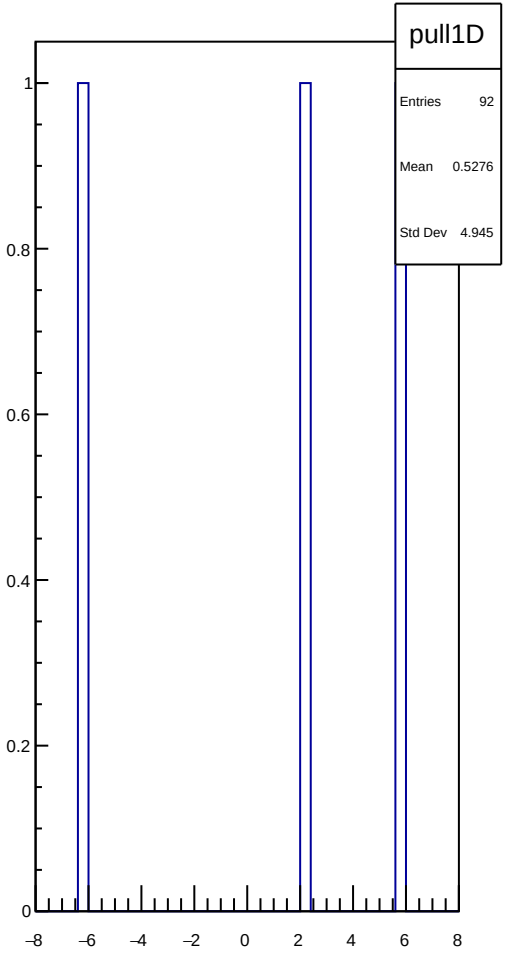

yield_bpm1i04Y_rms vs run
χ² / ndf 9.998e+04 / 91
p0 0.002401 ± 1.884e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

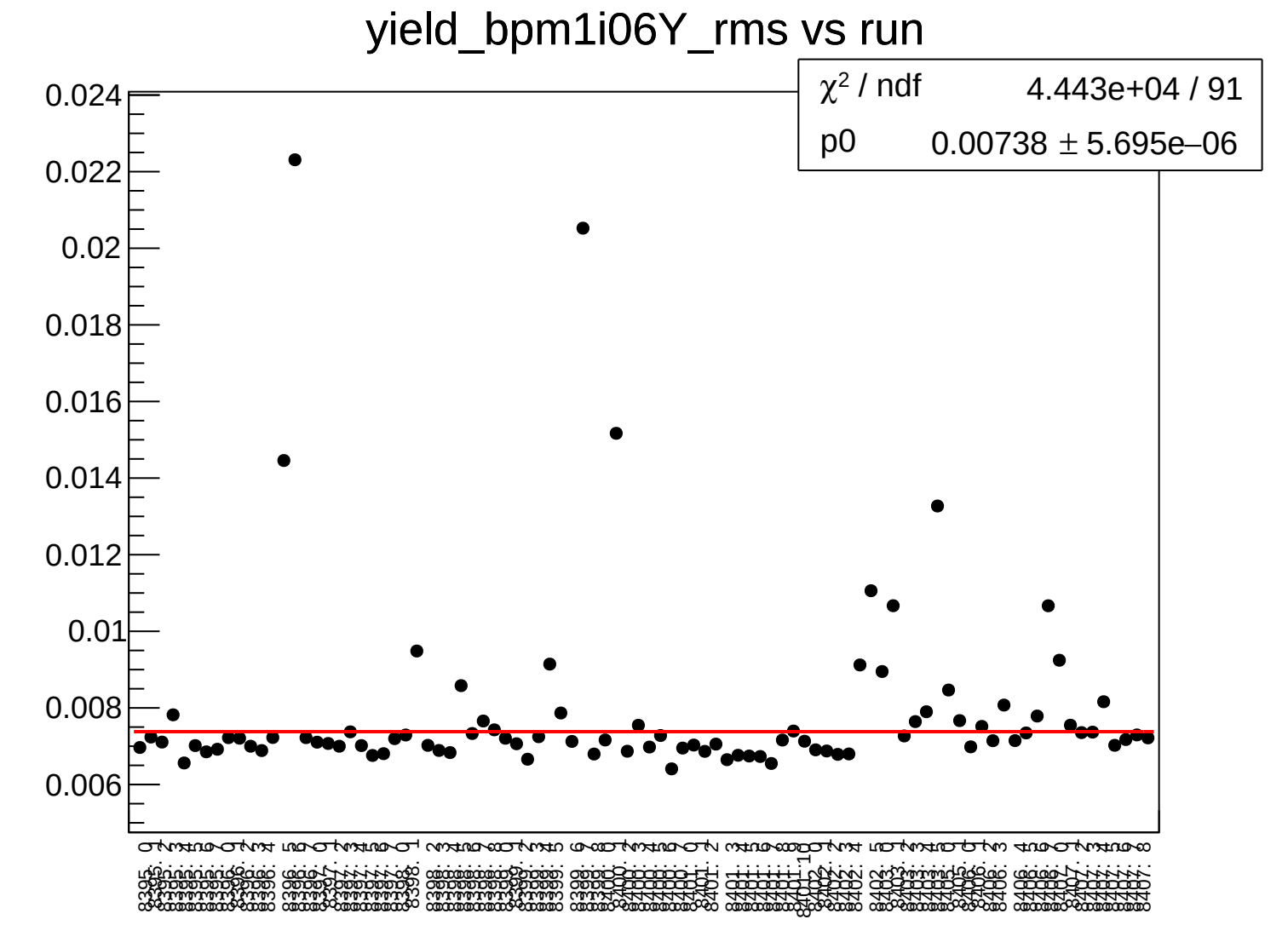

yield_bpm1i06X_mean vs run
χ² / ndf 1.15e+06 / 91
p0 1.086 ± 1.527e−05
1.12
1.11
1.1
1.09
1.08
1.07
1.06
1.05
1.04
pull
Entries 92
Mean 2530
Std Dev 0
200
100
0
−100
−200

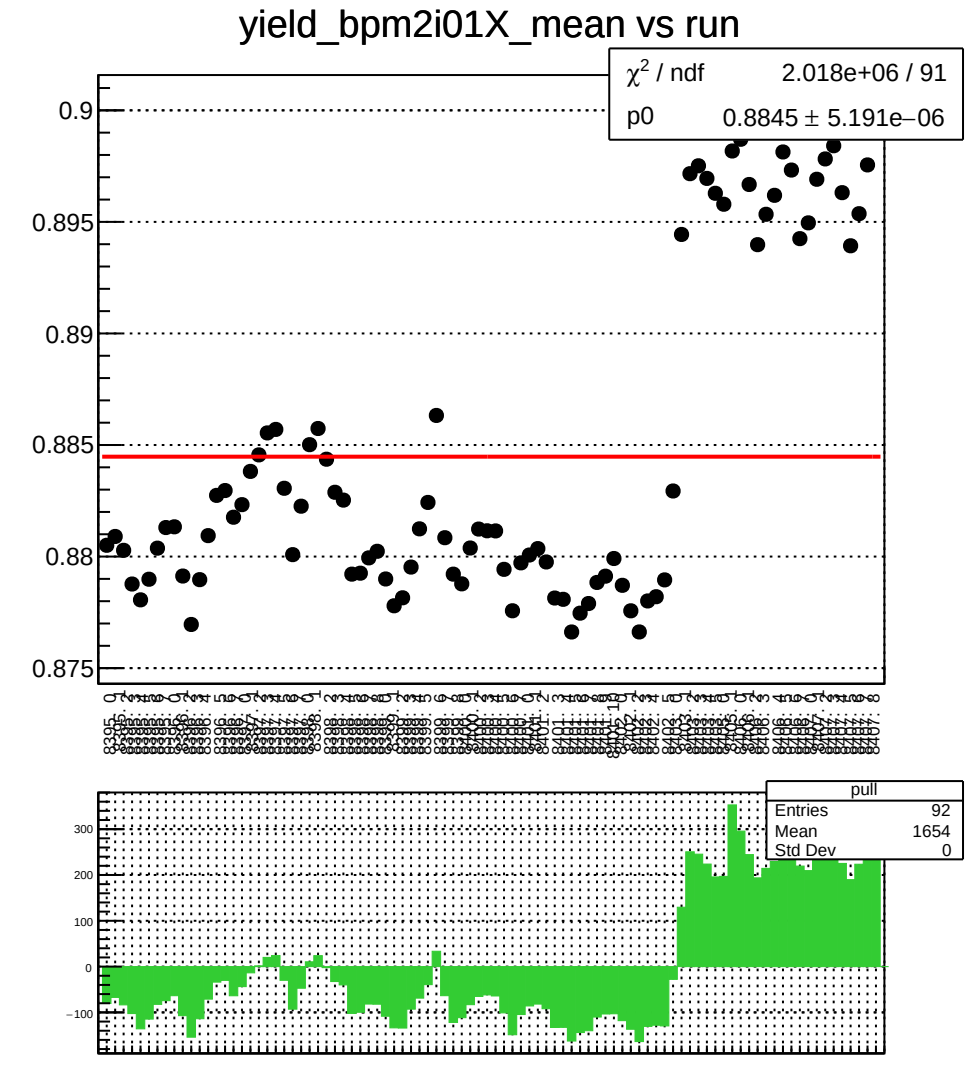

pull1D
Entries 92
Mean 1.273
Std Dev 3.466
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

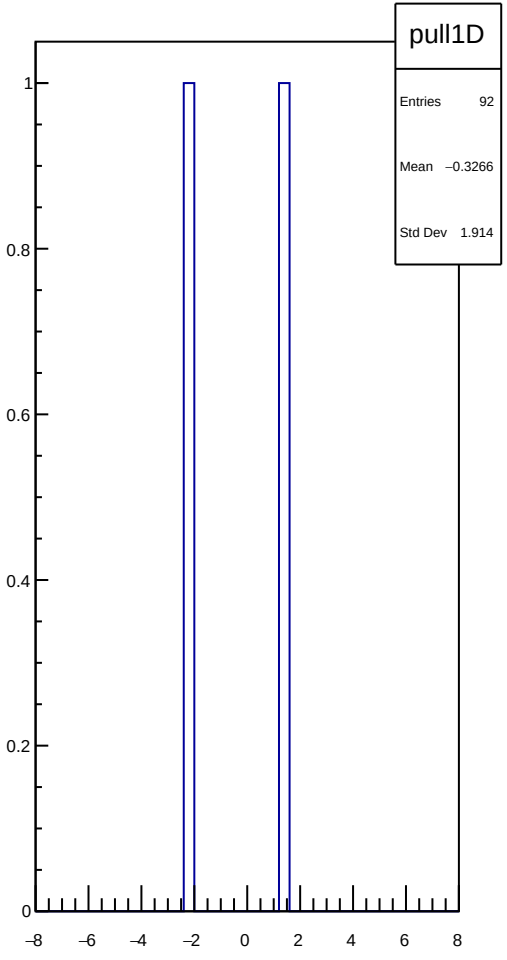

yield_bpm1i06X_rms vs run
χ² / ndf 1.343e+04 / 91
p0 0.01412 ± 1.08e−05
0.022
0.02
0.018
0.016
0.014
0.012

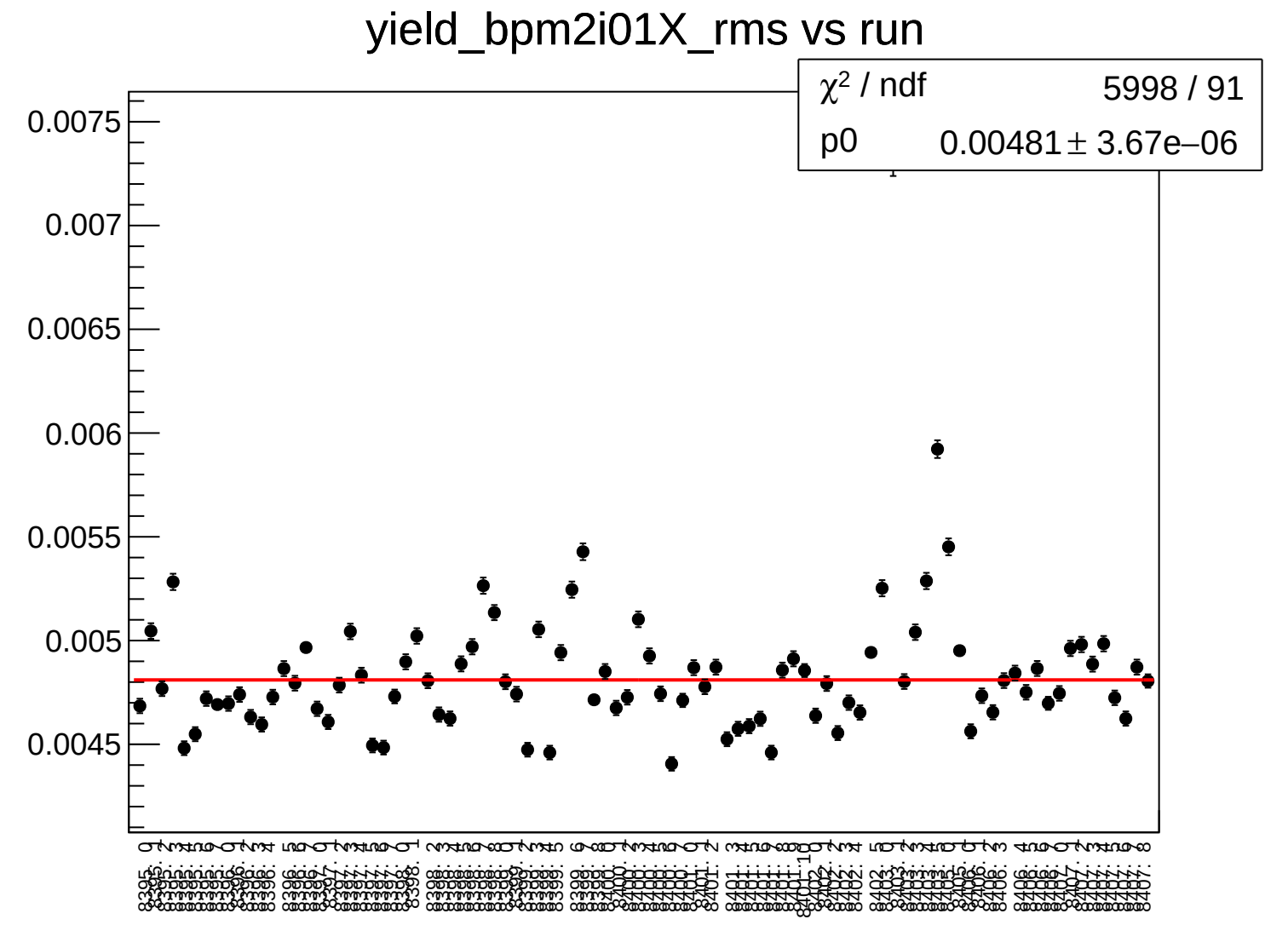

yield_bpm1i06Y_mean vs run
χ² / ndf 1.044e+06 / 91
p0 −0.007604 ± 8.054e−06
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 92
Mean 536.5
Std Dev 0
200
100
0
−100
−200

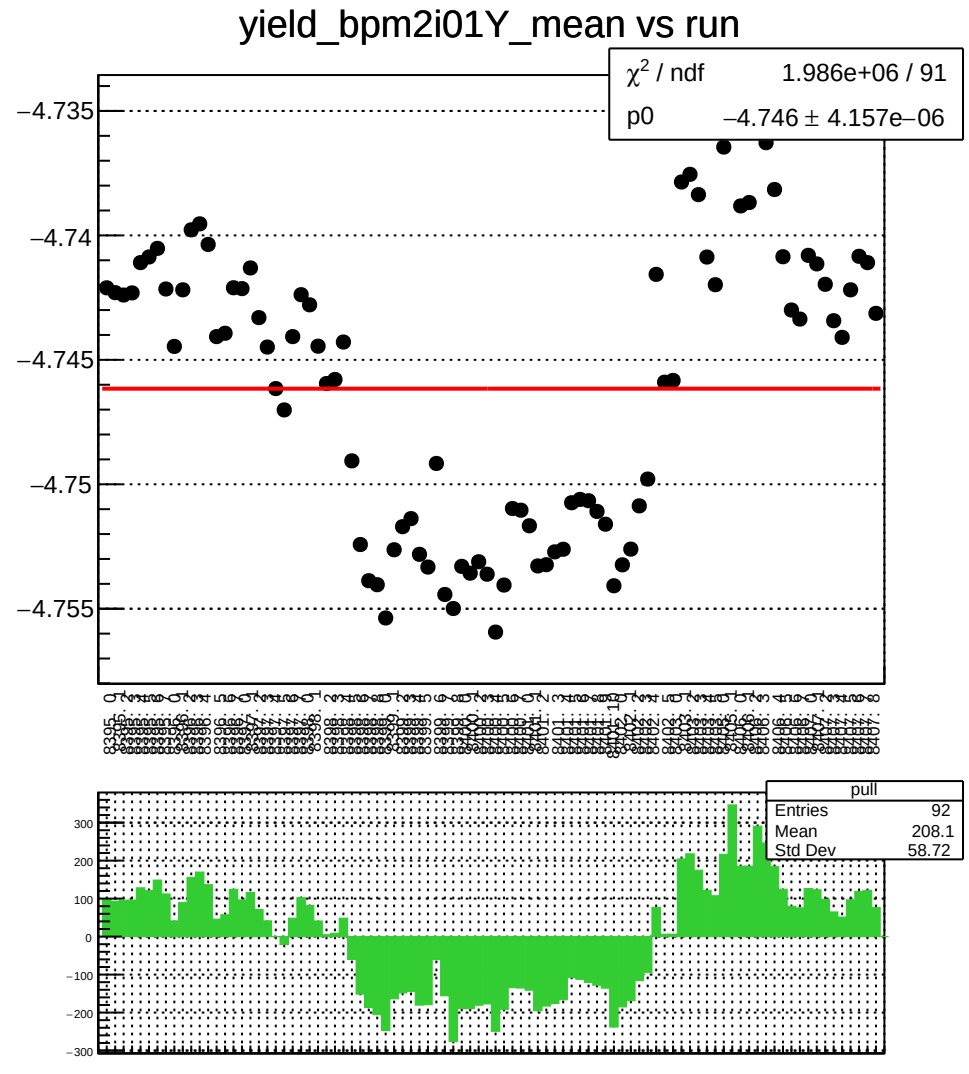

pull1D
Entries 92
Mean 0.5276
Std Dev 4.945
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

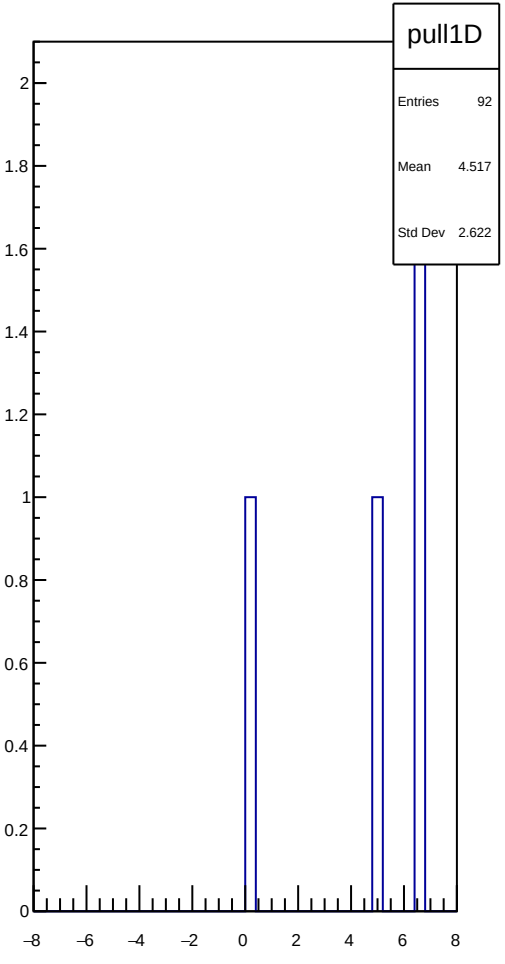

yield_bpm1i06Y_rms vs run
χ² / ndf 4.443e+04 / 91
p0 0.00738 ± 5.695e–06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

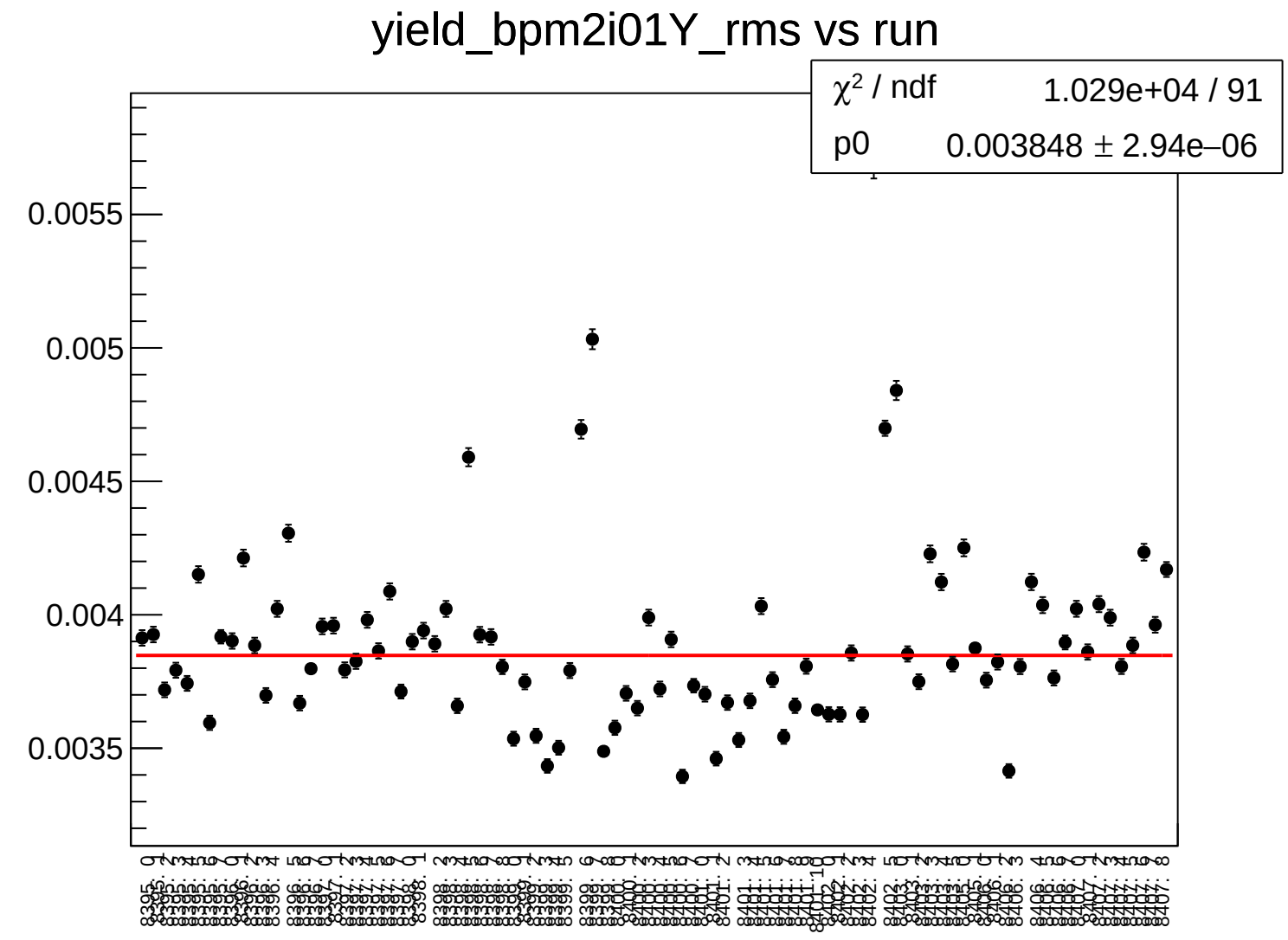

yield_bpm2i01X_mean vs run
χ² / ndf 2.018e+06 / 91
p0 0.8845 ± 5.191e−06
0.9
0.895
0.89
0.885
0.88
0.875
pull
Entries 92
Mean 1654
Std Dev 0
300
200
100
0
−100

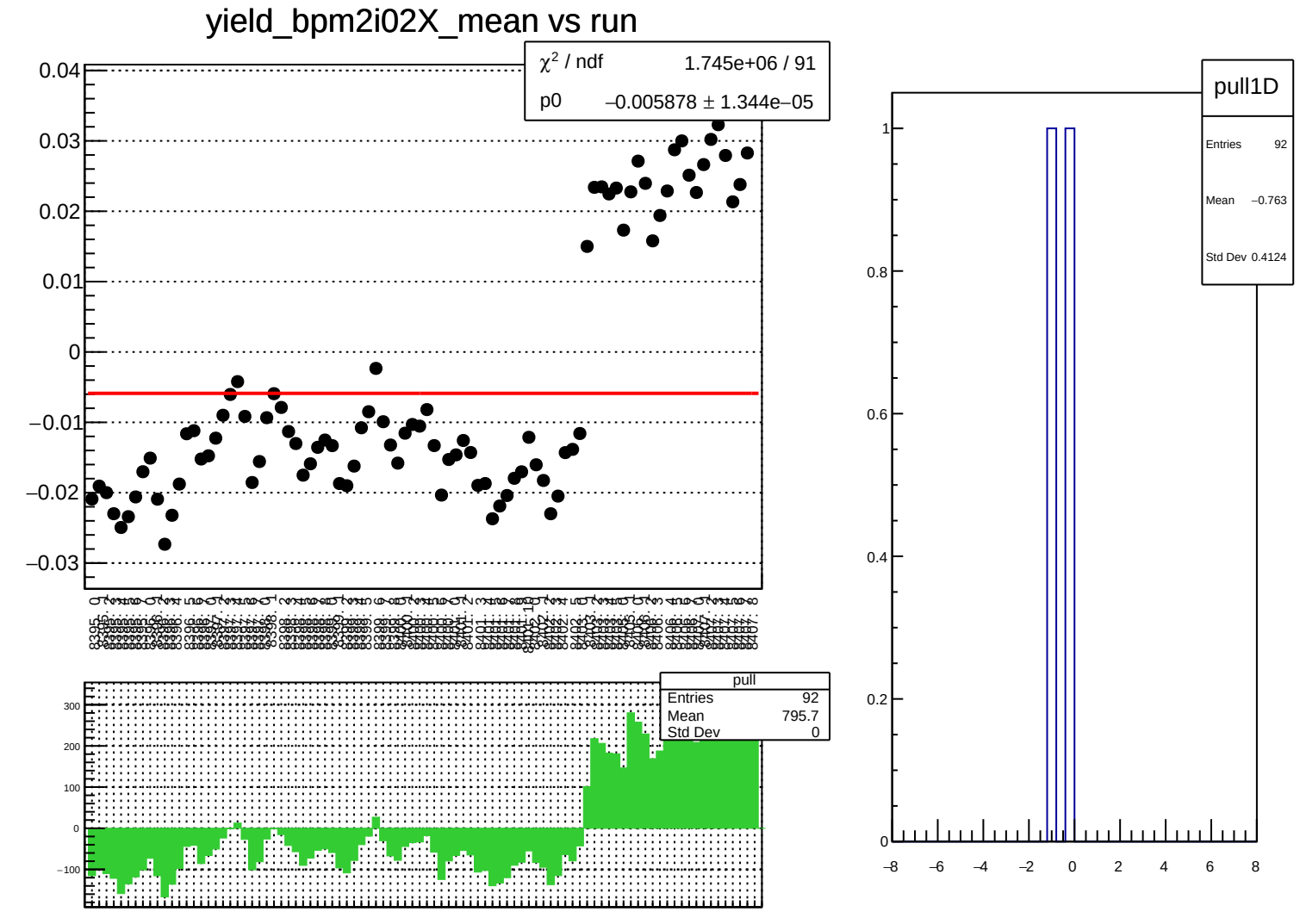

pull1D
Entries 92
Mean −0.3266
Std Dev 1.914
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

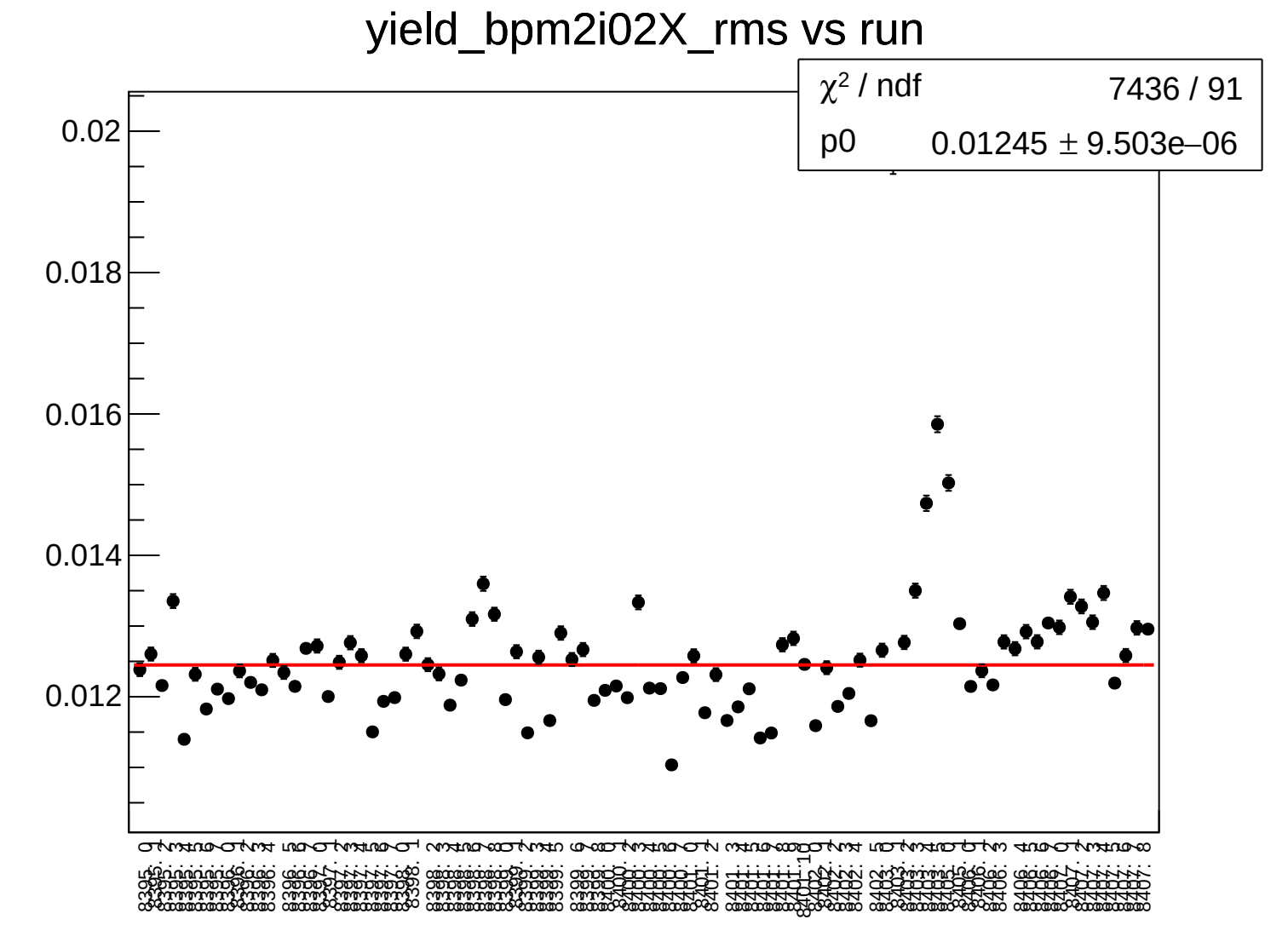

yield_bpm2i01X_rms vs run
χ² / ndf 5998 / 91
p0 0.00481 ± 3.67e–06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045

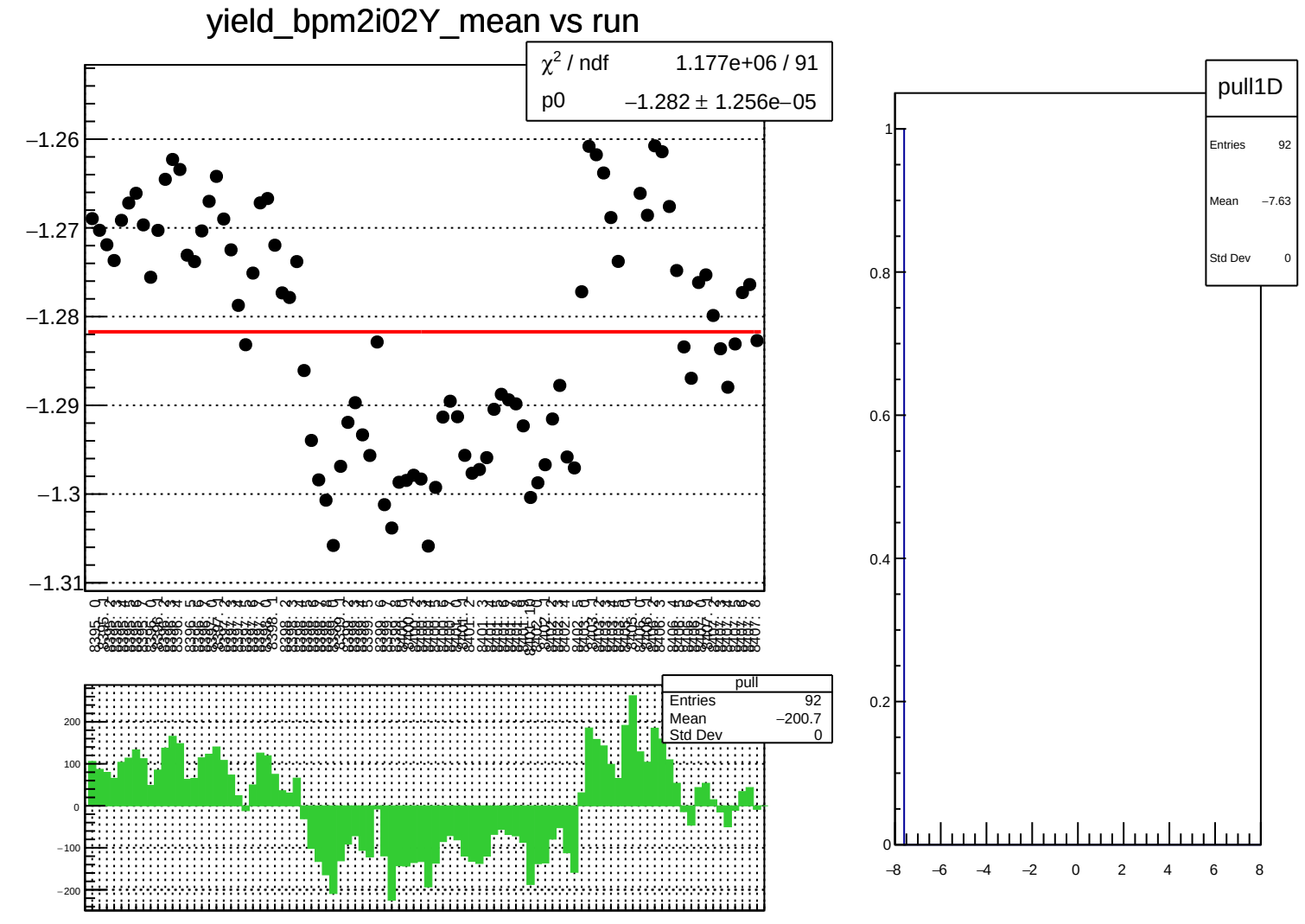

yield_bpm2i01Y_mean vs run
χ² / ndf 1.986e+06 / 91
p0 −4.746 ± 4.157e−06
−4.735
−4.74
−4.745
−4.75
−4.755
pull
Entries 92
Mean 208.1
Std Dev 58.72
300
200
100
0
−100
−200
−300

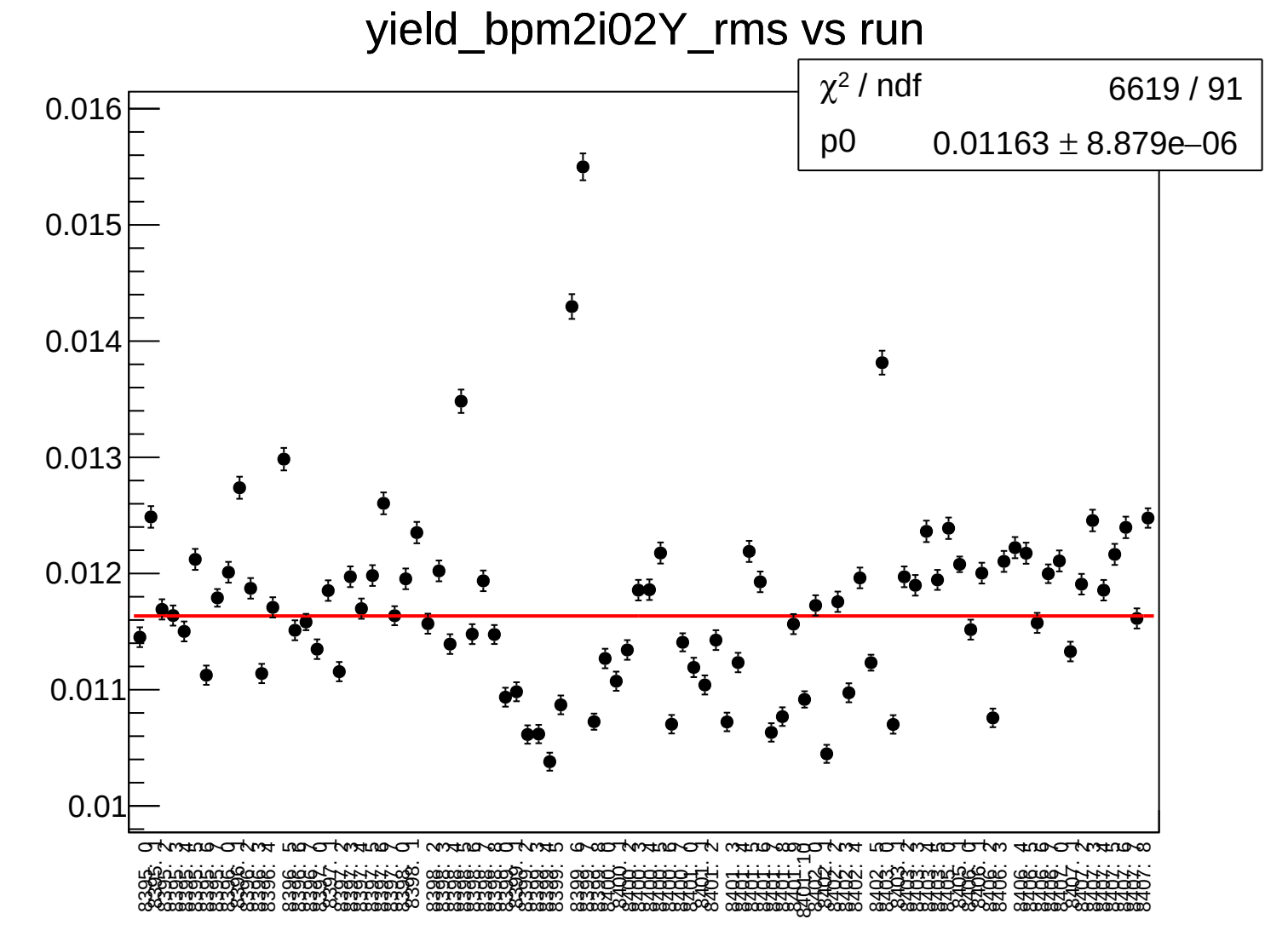

pull1D
Entries 92
Mean 4.517
Std Dev 2.622
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

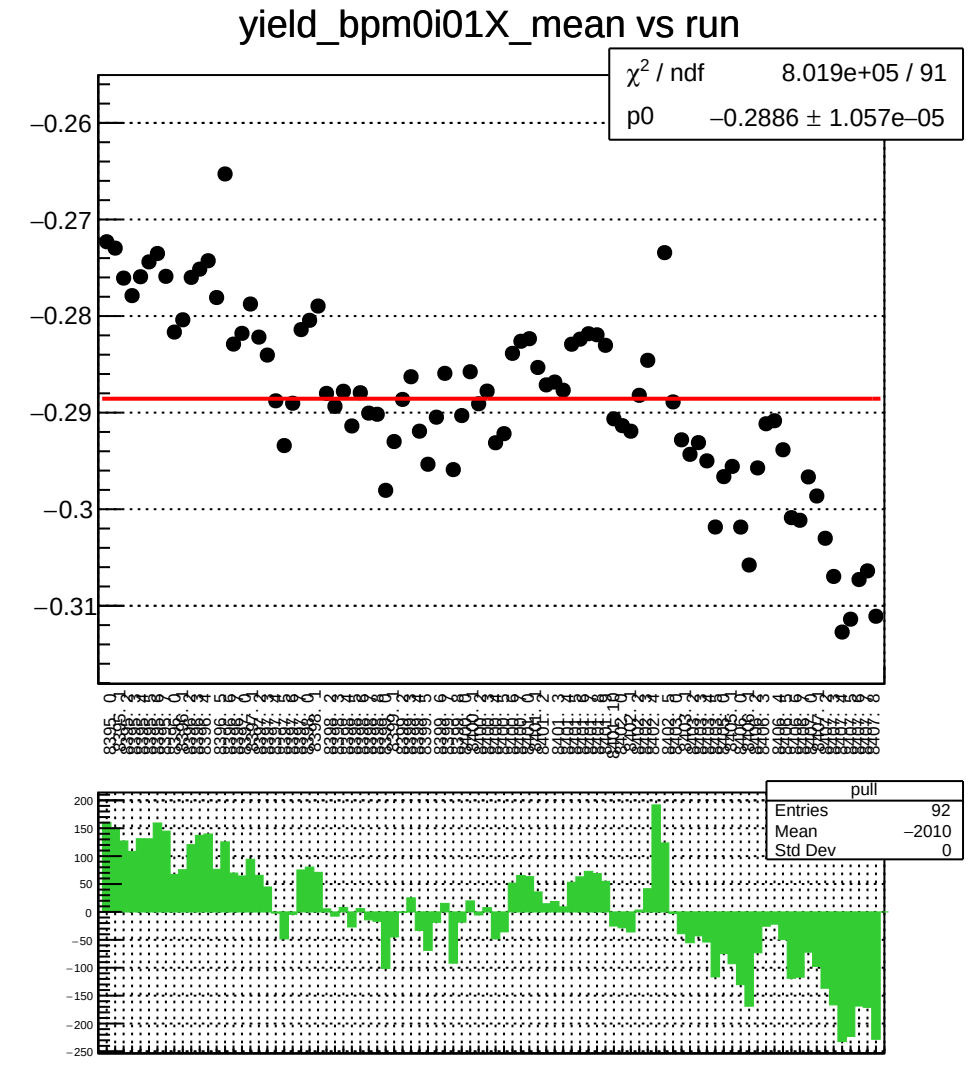

yield_bpm2i01Y_rms vs run
χ² / ndf 1.029e+04 / 91
p0 0.003848 ± 2.94e−06
0.0055
0.005
0.0045
0.004
0.0035

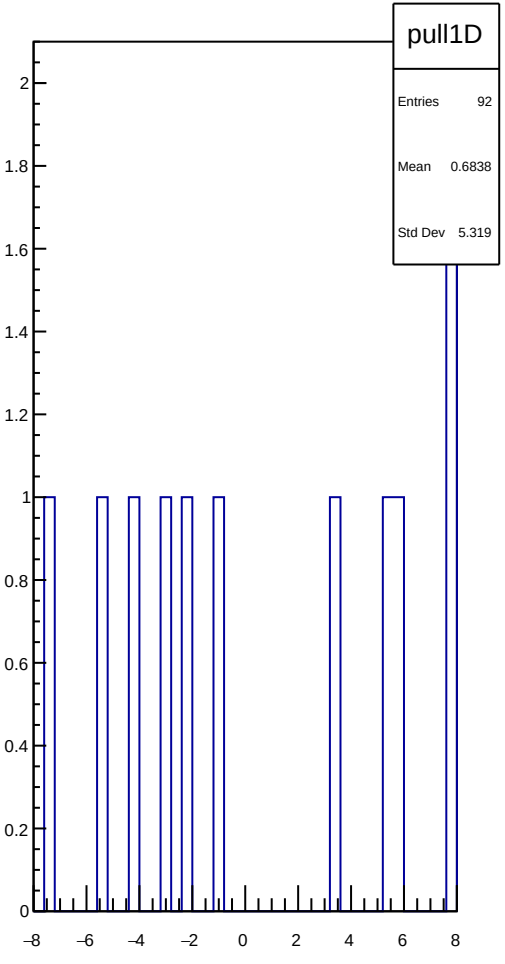

yield_bpm2i02X_mean vs run
χ² / ndf 1.745e+06 / 91
p0 −0.005878 ± 1.344e−05
pull
Entries 92
Mean 795.7
Std Dev 0
pull1D
Entries 92
Mean −0.763
Std Dev 0.4124

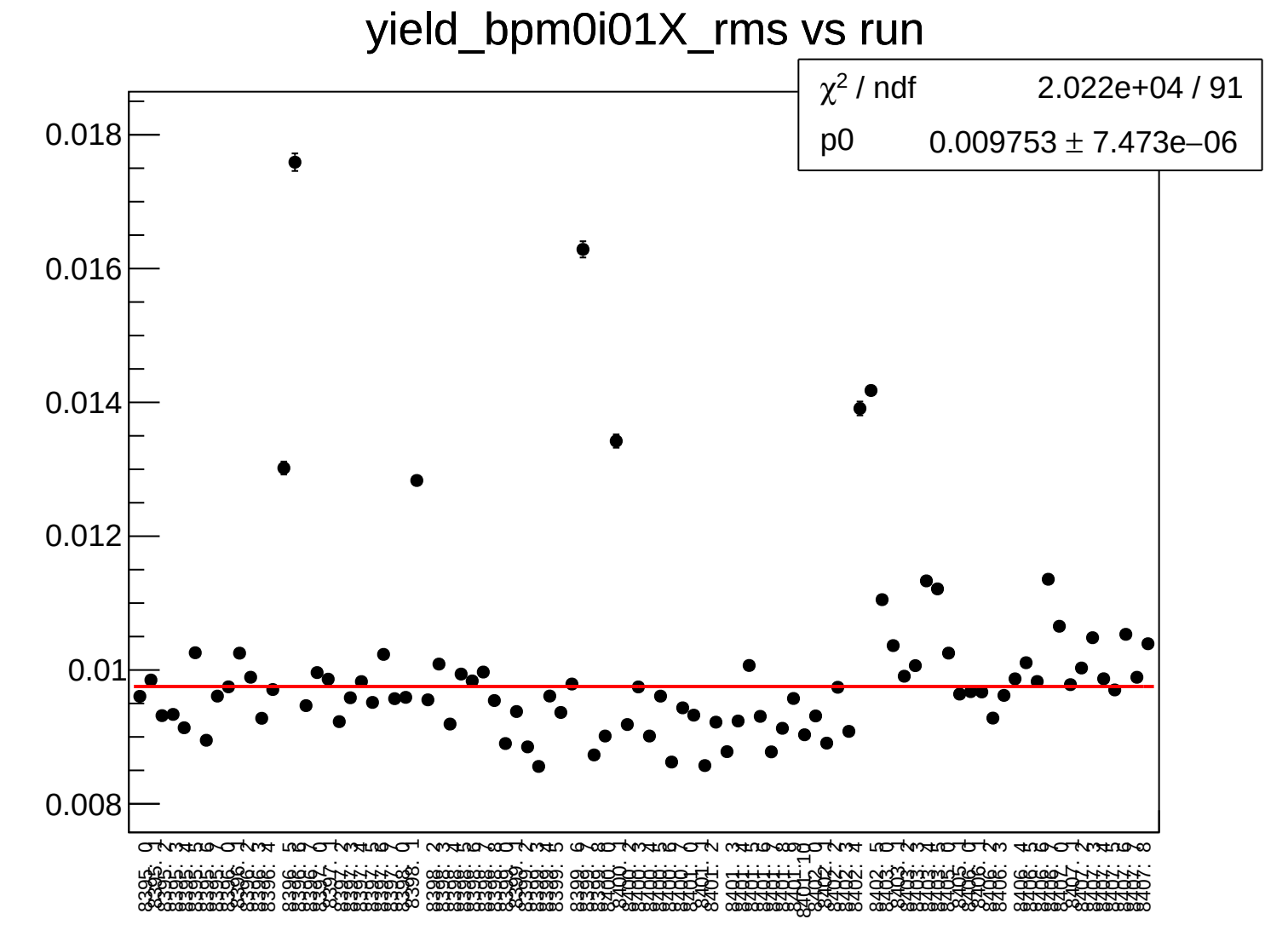

yield_bpm2i02X_rms vs run
χ² / ndf 7436 / 91
p0 0.01245 ± 9.503e–06
0.02
0.018
0.016
0.014
0.012

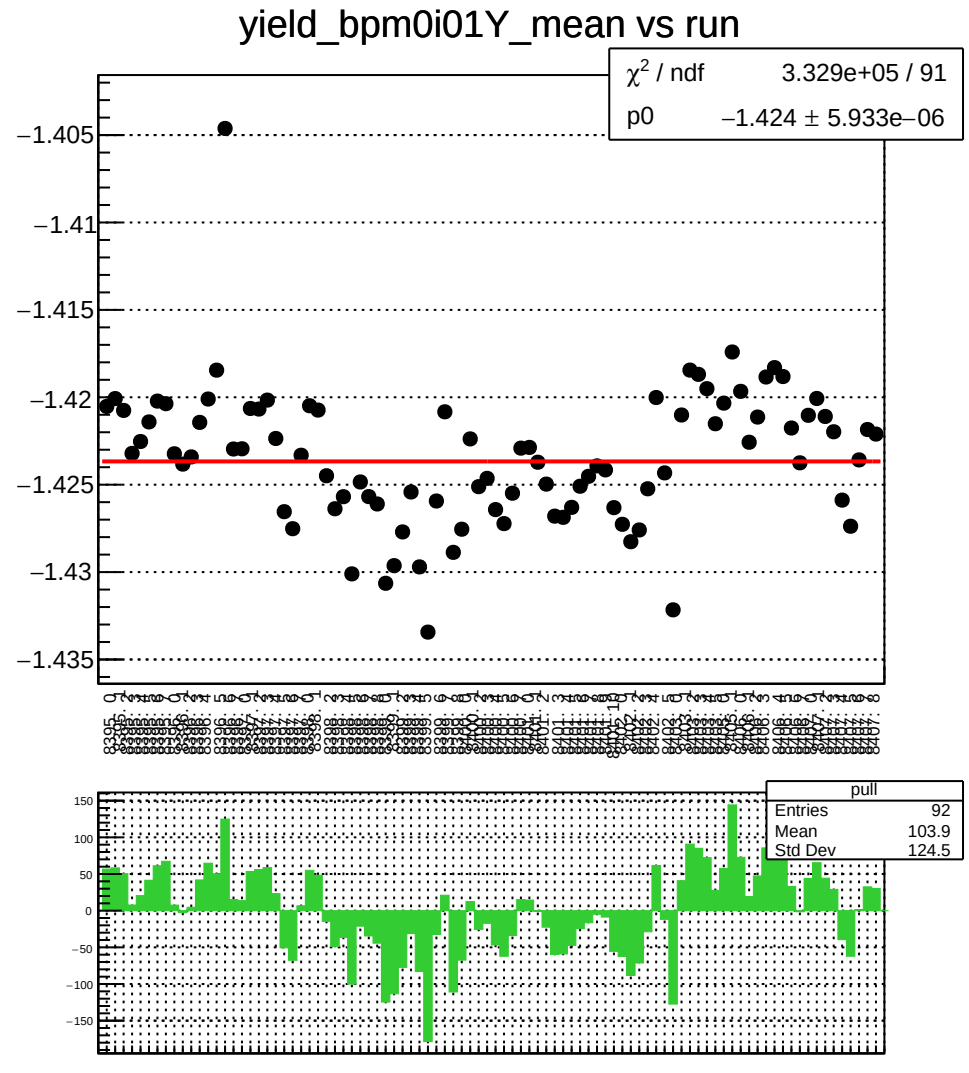

yield_bpm2i02Y_mean vs run
χ² / ndf 1.177e+06 / 91
p0 −1.282 ± 1.256e−05
−1.26
−1.27
−1.28
−1.29
−1.3
−1.31
pull
Entries 92
Mean −200.7
Std Dev 0
200
100
0
−100
−200
pull1D
Entries 92
Mean −7.63
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

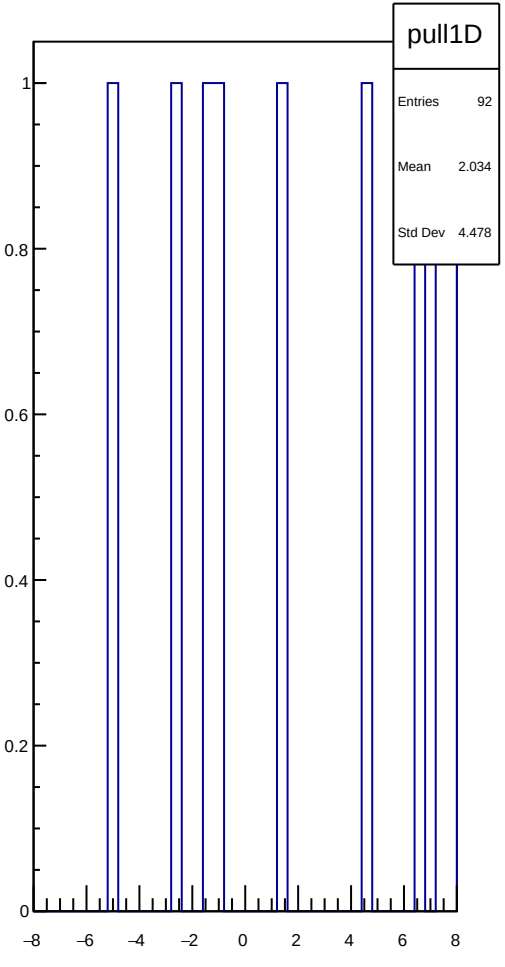

yield_bpm2i02Y_rms vs run
χ² / ndf 6619 / 91
p0 0.01163 ± 8.879e–06
0.016
0.015
0.014
0.013
0.012
0.011
0.01

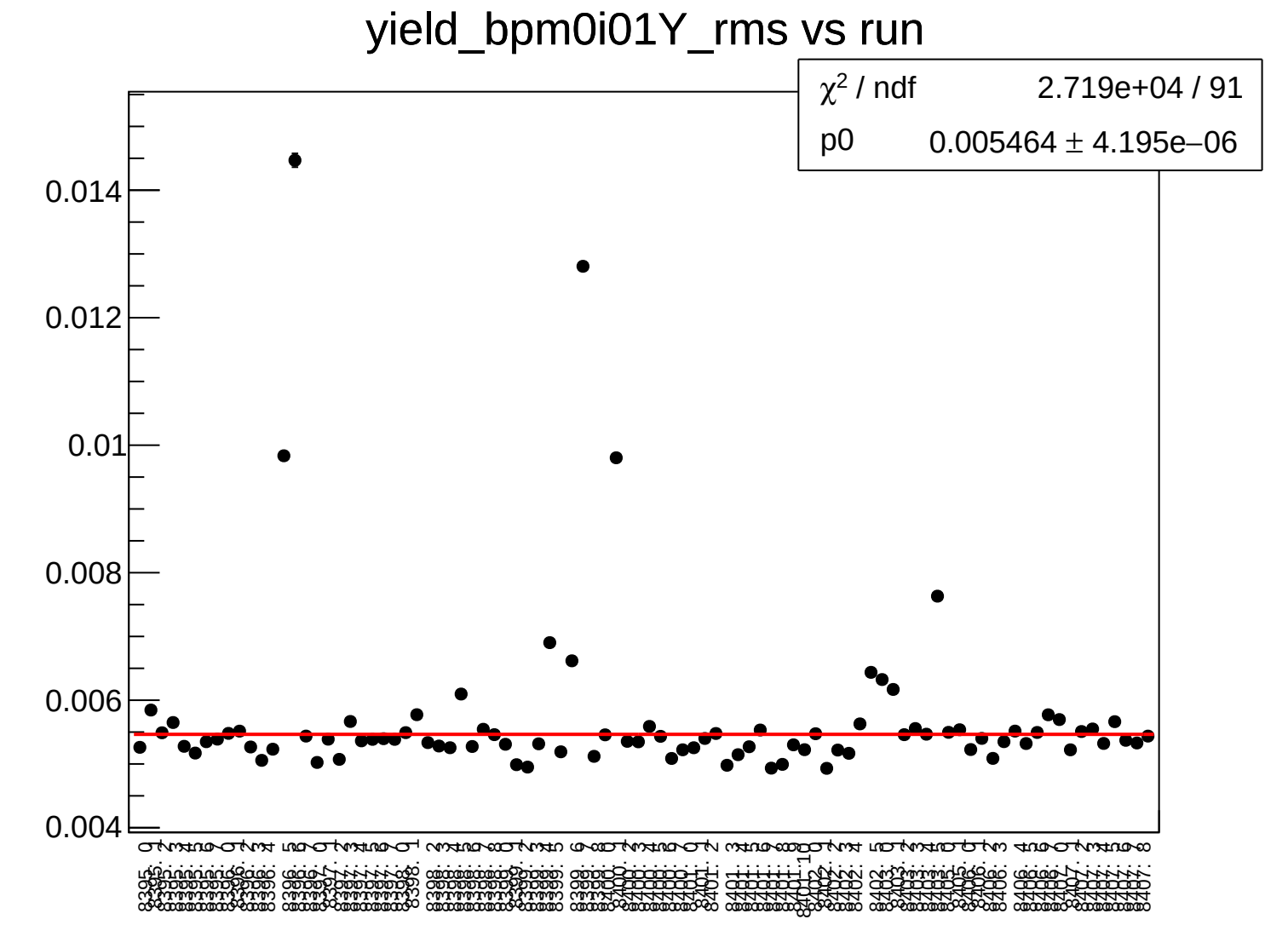

yield_bpm0i01X_mean vs run
χ² / ndf 8.019e+05 / 91
p0 −0.2886 ± 1.057e−05
−0.26
−0.27
−0.28
−0.29
−0.3
−0.31
pull
Entries 92
Mean −2010
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

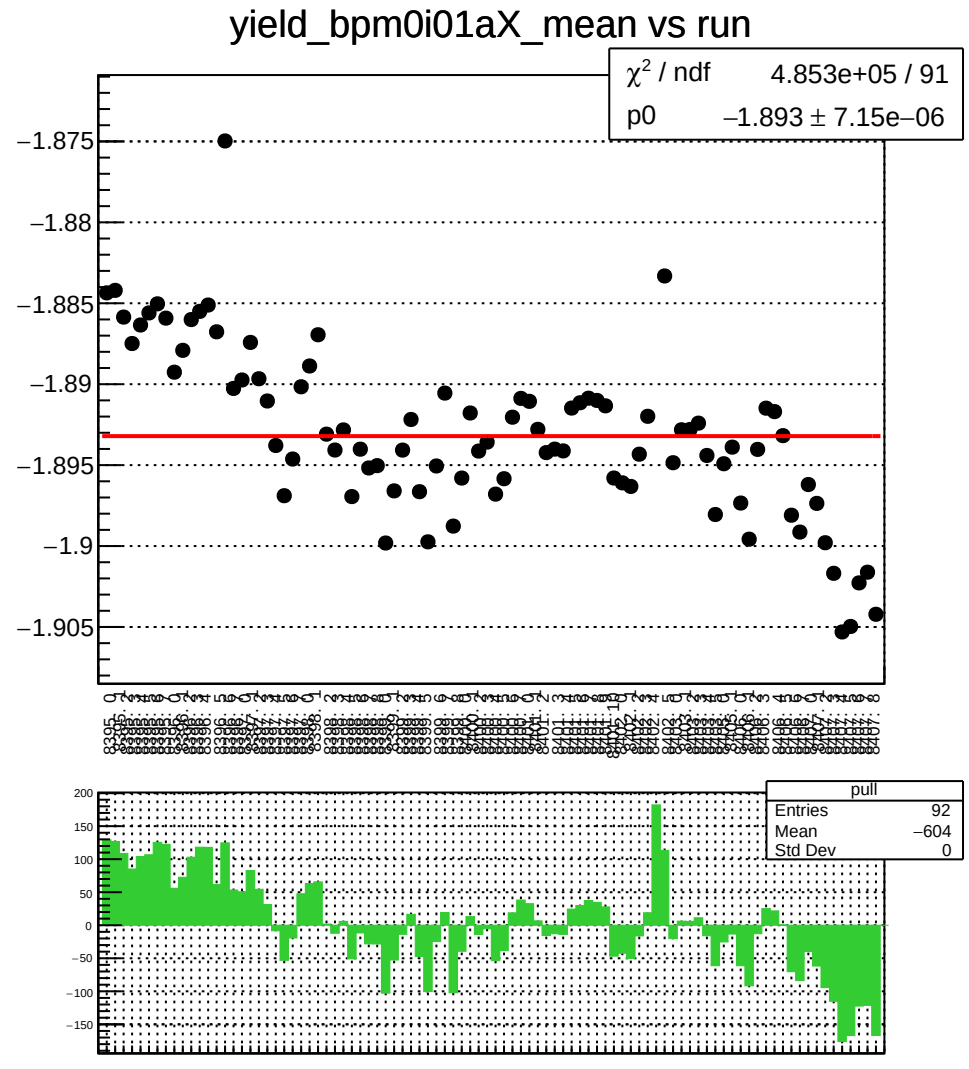

pull1D
Entries 92
Mean 0.6838
Std Dev 5.319
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

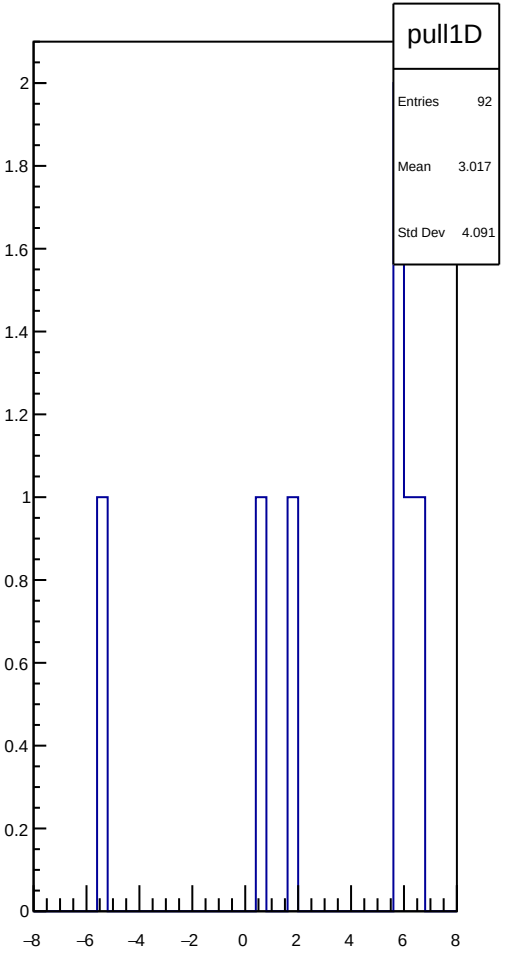

yield_bpm0i01X_rms vs run
$\chi^2$ / ndf 2.022e+04 / 91
p0 0.009753 ± 7.473e−06
0.018
0.016
0.014
0.012
0.01
0.008

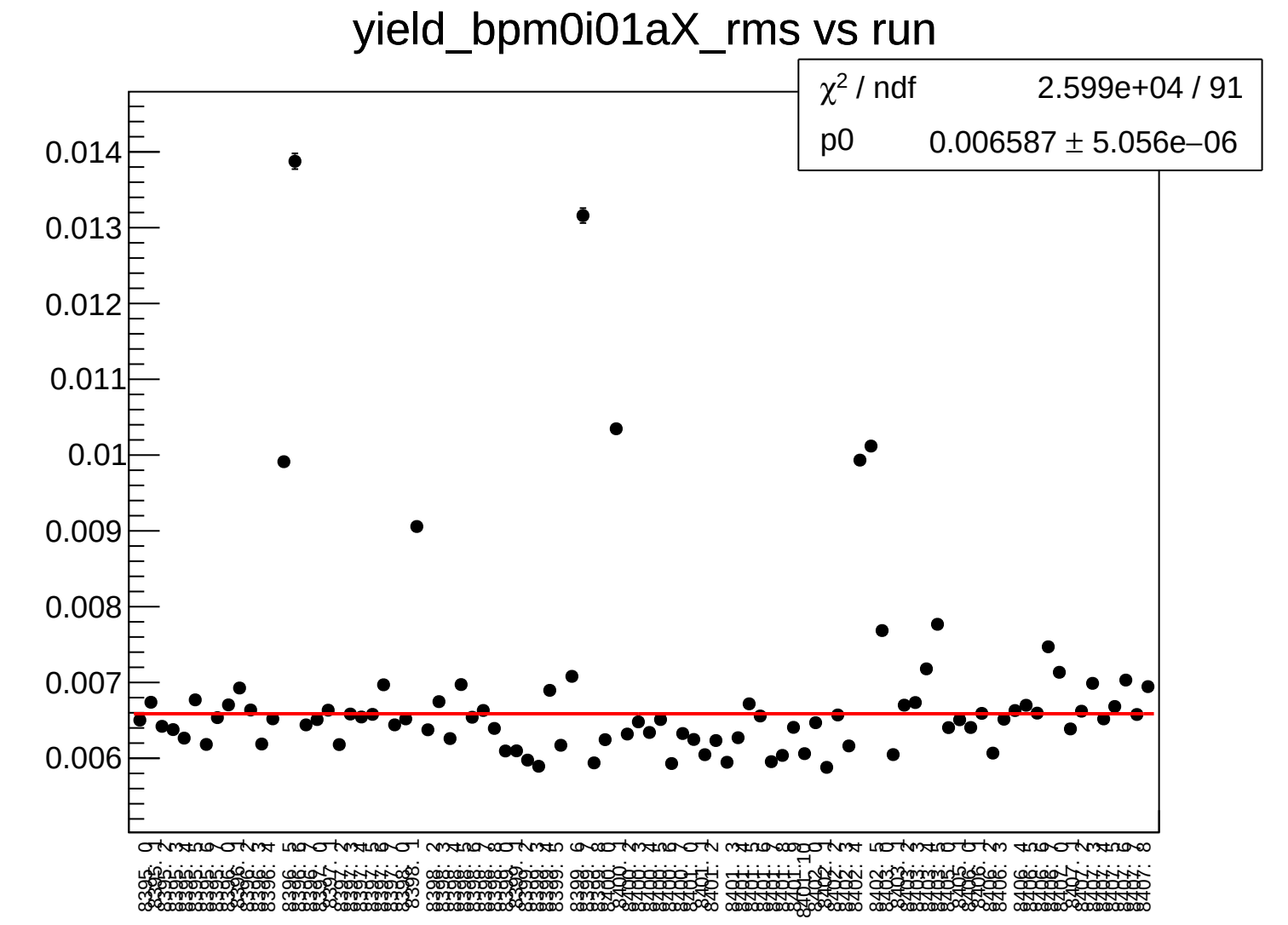

yield_bpm0i01Y_mean vs run
χ² / ndf 3.329e+05 / 91
p0 −1.424 ± 5.933e−06
−1.405
−1.41
−1.415
−1.42
−1.425
−1.43
−1.435
pull
Entries 92
Mean 103.9
Std Dev 124.5
150
100
50
0
−50
−100
−150

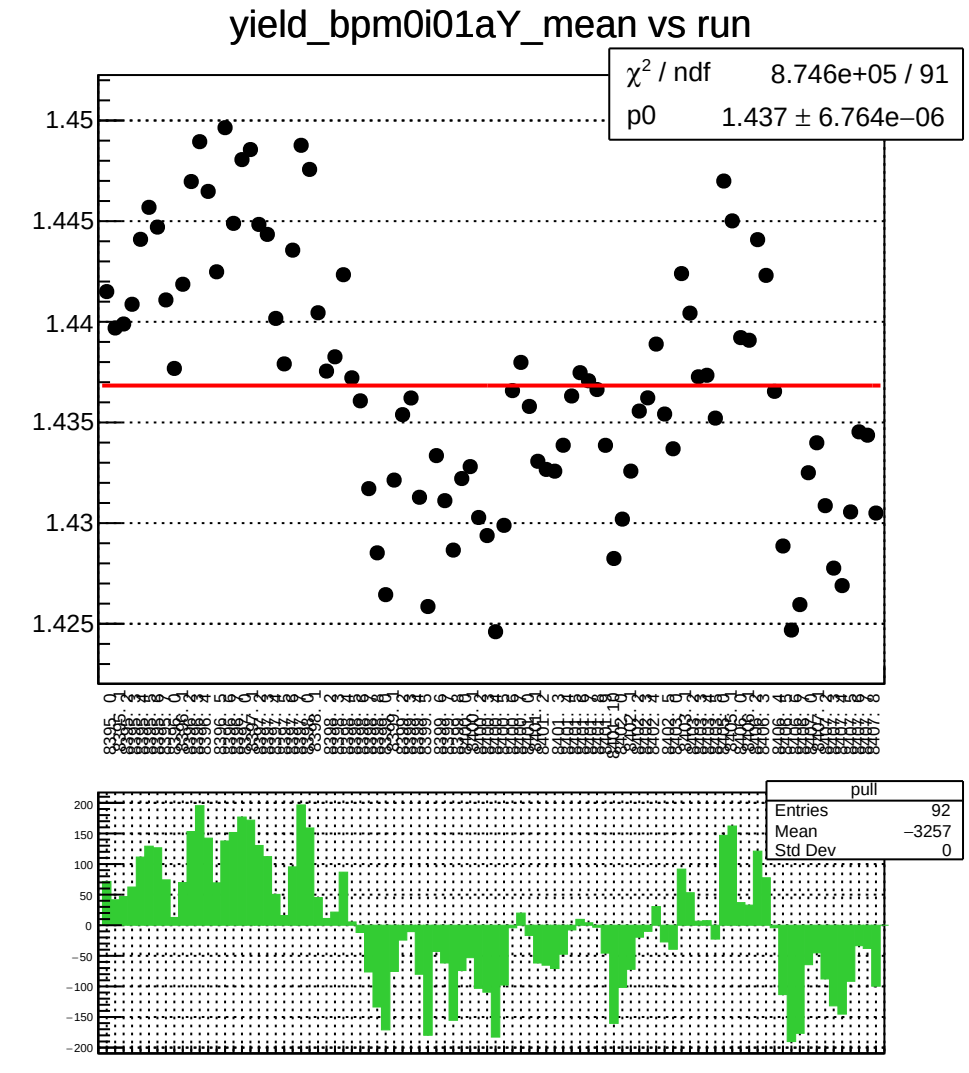

pull1D
Entries 92
Mean 2.034
Std Dev 4.478
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

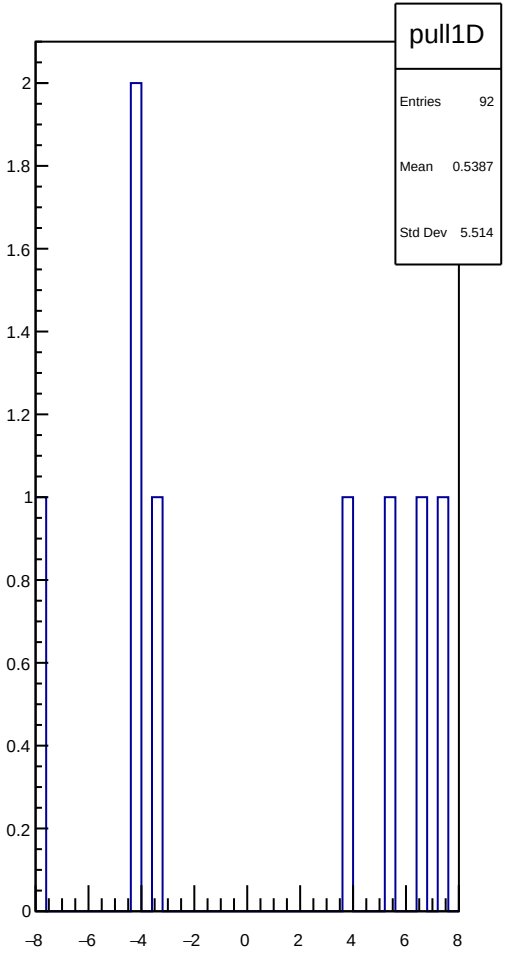

yield_bpm0i01Y_rms vs run
χ² / ndf 2.719e+04 / 91
p0 0.005464 ± 4.195e−06
0.014
0.012
0.01
0.008
0.006
0.004

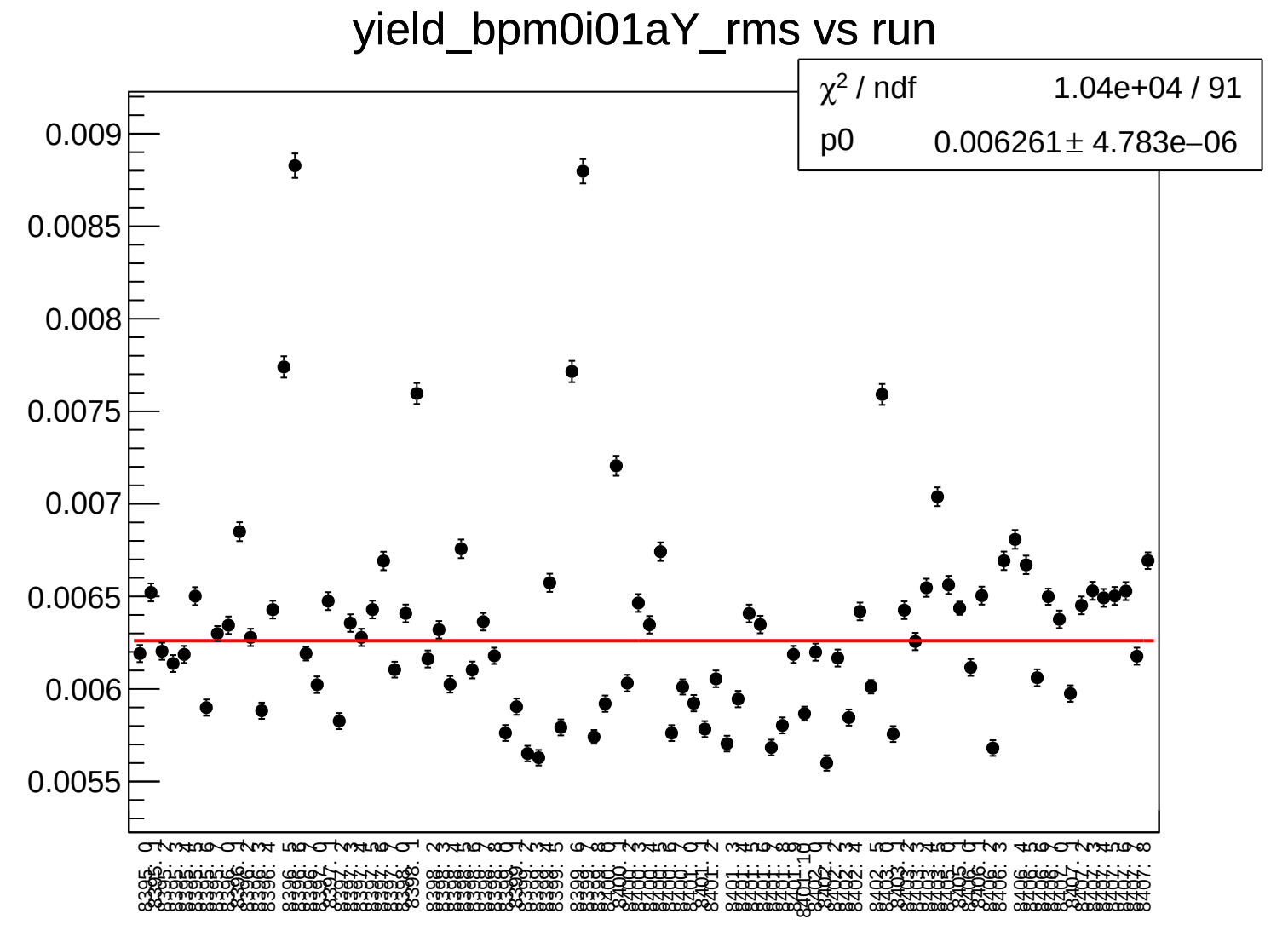

yield_bpm0i01aX_mean vs run
χ² / ndf 4.853e+05 / 91
p0 −1.893 ± 7.15e−06
−1.875
−1.88
−1.885
−1.89
−1.895
−1.9
−1.905
pull
Entries 92
Mean −604
Std Dev 0
200
150
100
50
0
−50
−100
−150

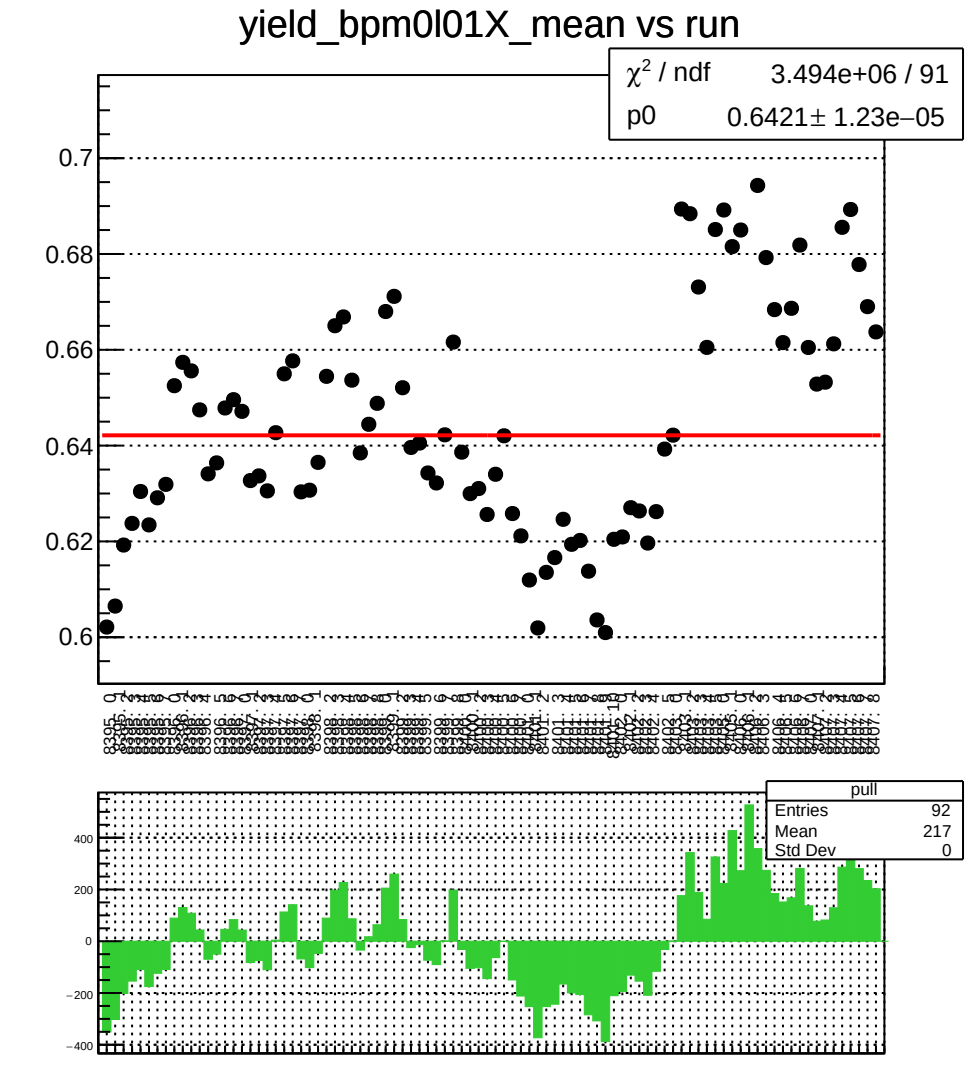

pull1D
Entries 92
Mean 3.017
Std Dev 4.091
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

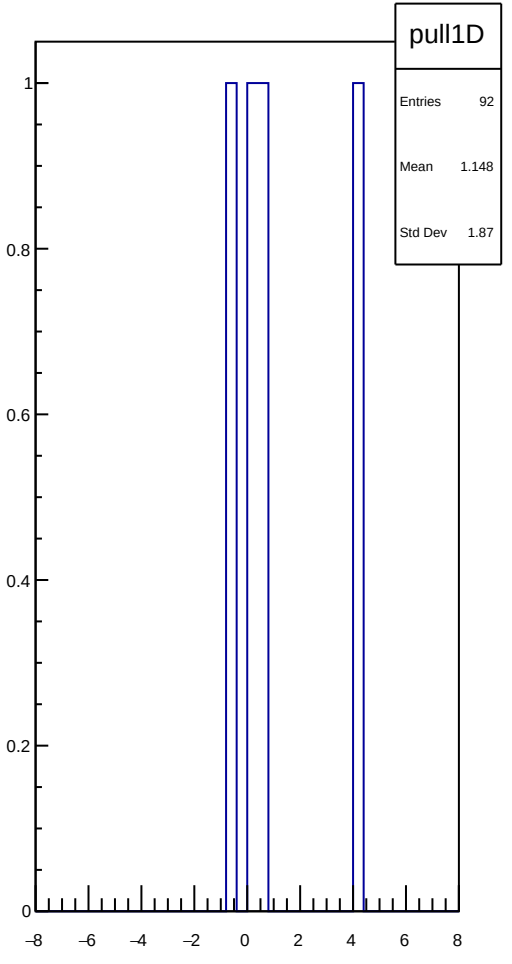

yield_bpm0i01aX_rms vs run
$\chi^2$ / ndf 2.599e+04 / 91
p0 0.006587 ± 5.056e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

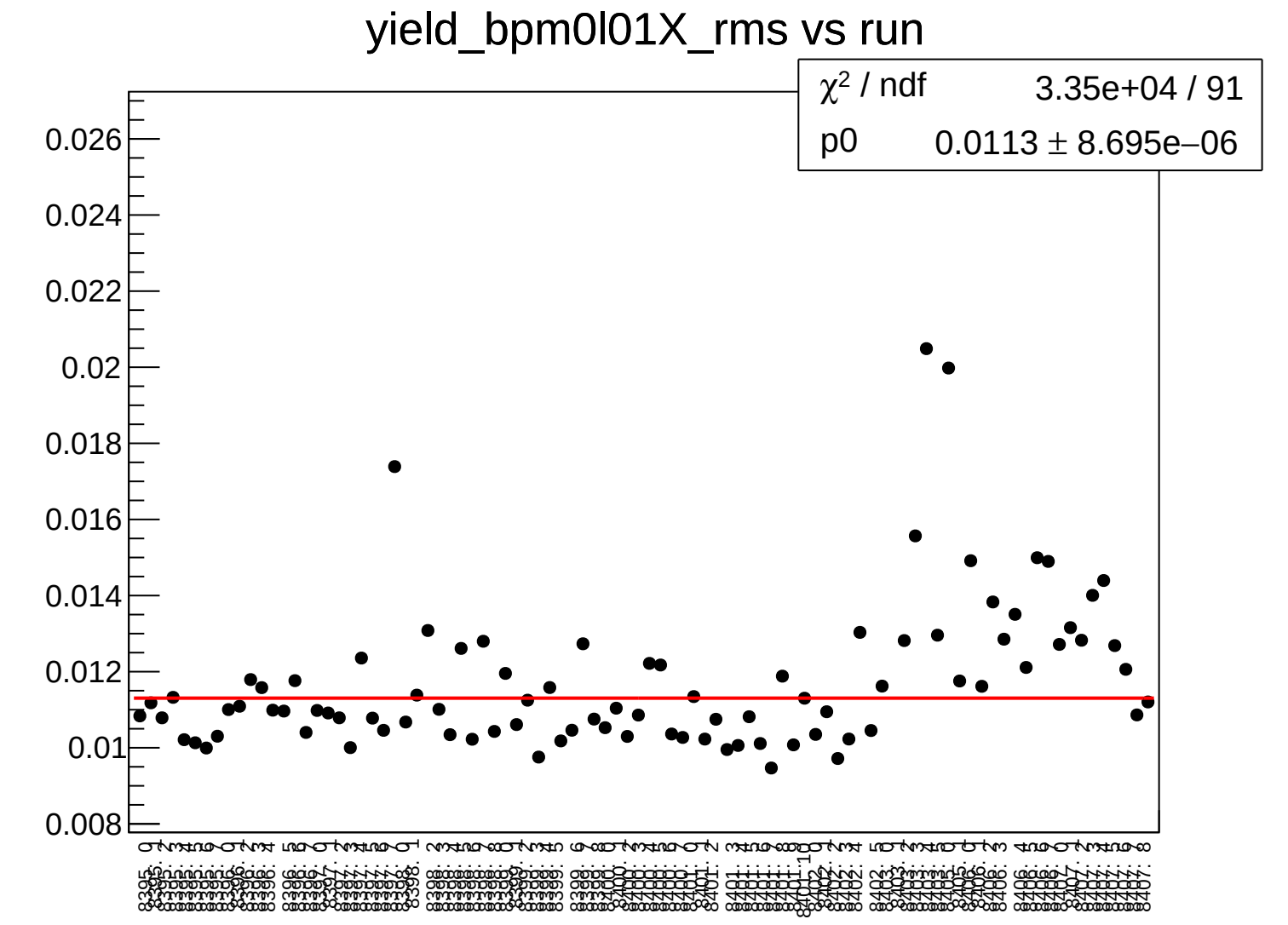

yield_bpm0i01aY_mean vs run
χ² / ndf 8.746e+05 / 91
p0 1.437 ± 6.764e−06
1.45
1.445
1.44
1.435
1.43
1.425
pull
Entries 92
Mean −3257
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

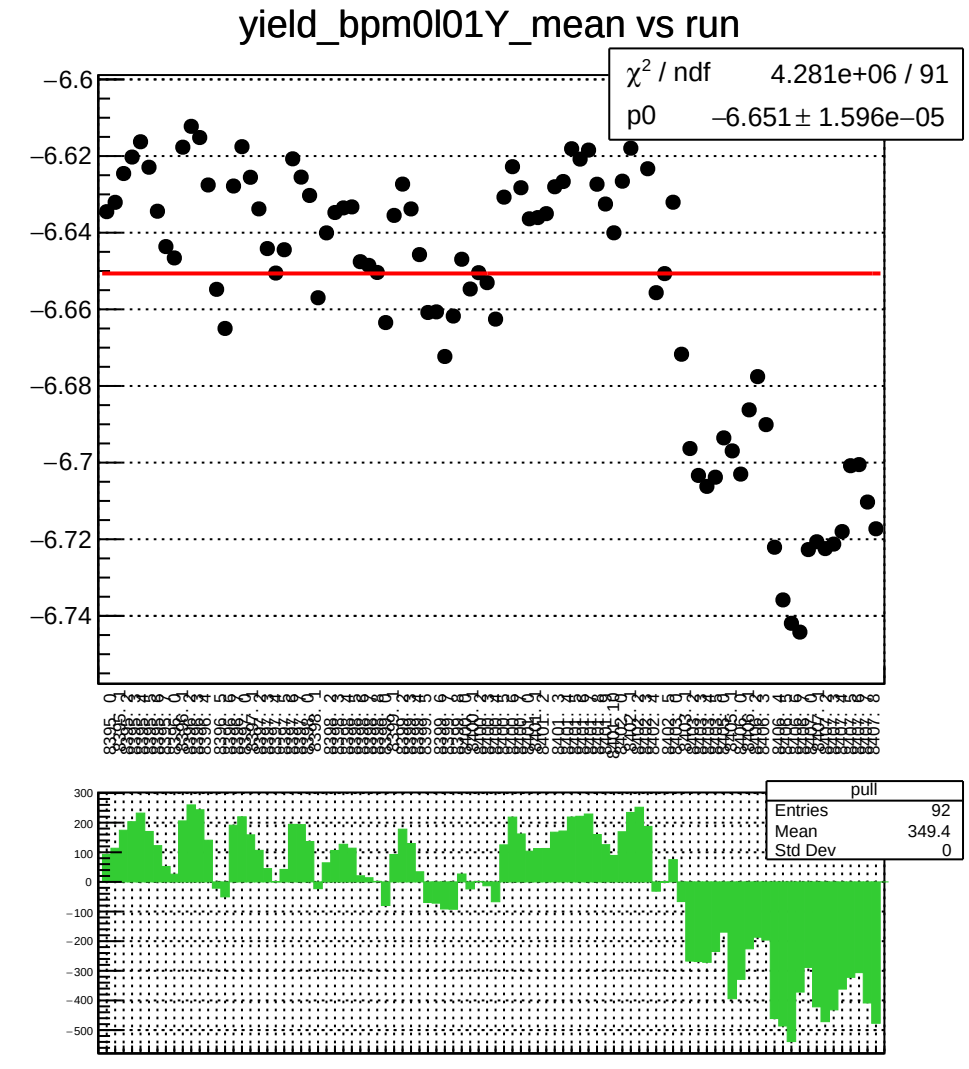

pull1D
Entries 92
Mean 0.5387
Std Dev 5.514
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

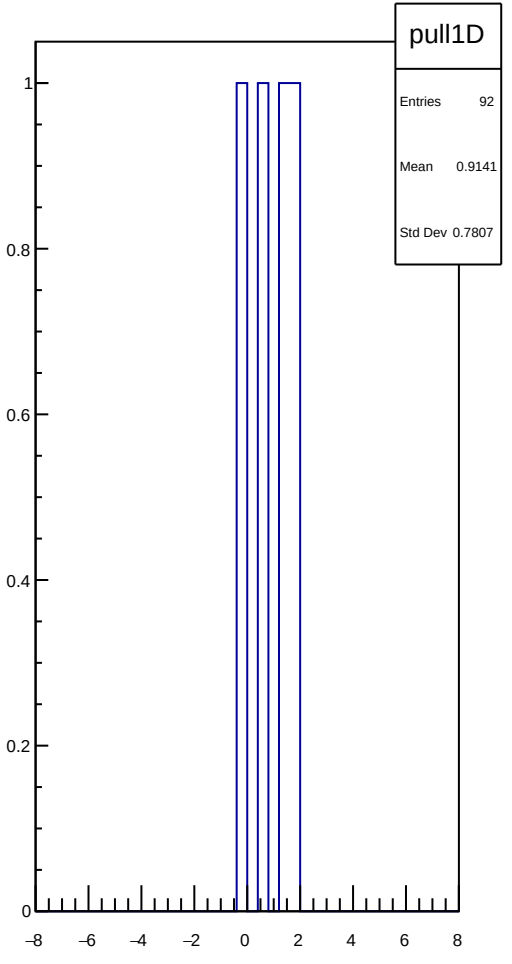

yield_bpm0i01aY_rms vs run
χ² / ndf 1.04e+04 / 91
p0 0.006261 ± 4.783e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055

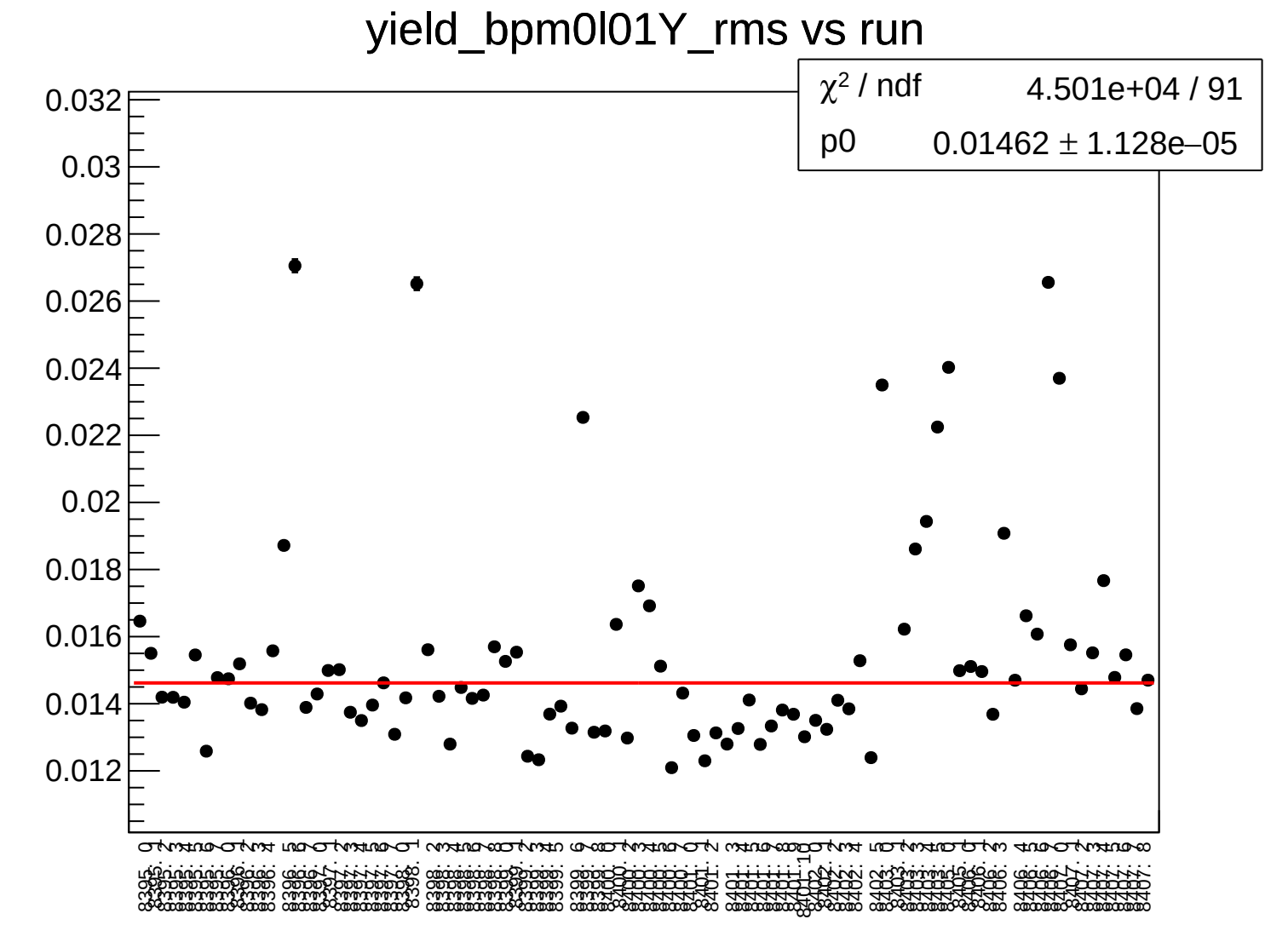

yield_bpm0l01X_mean vs run
χ² / ndf 3.494e+06 / 91
p0 0.6421± 1.23e−05
0.7
0.68
0.66
0.64
0.62
0.6
pull
Entries 92
Mean 217
Std Dev 0
400
200
0
−200
−400

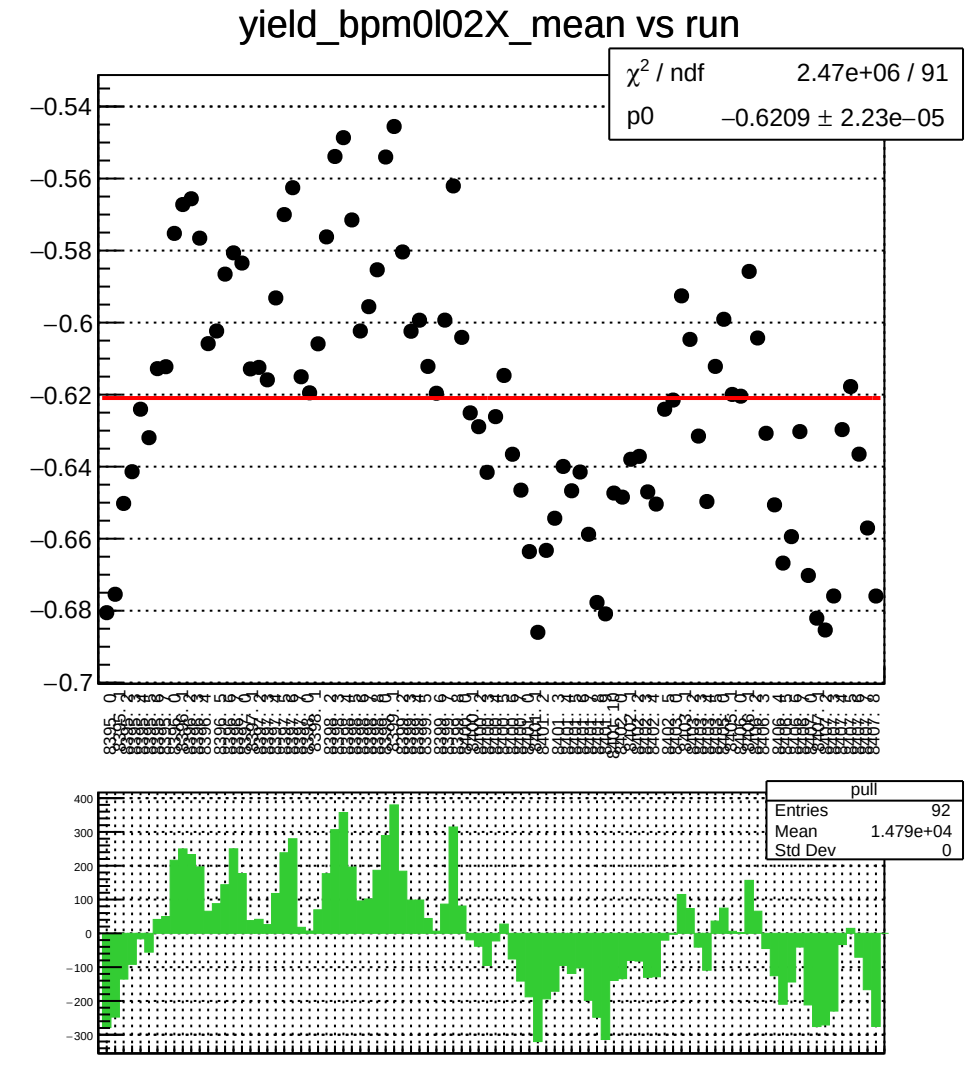

pull1D
Entries 92
Mean 1.148
Std Dev 1.87
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

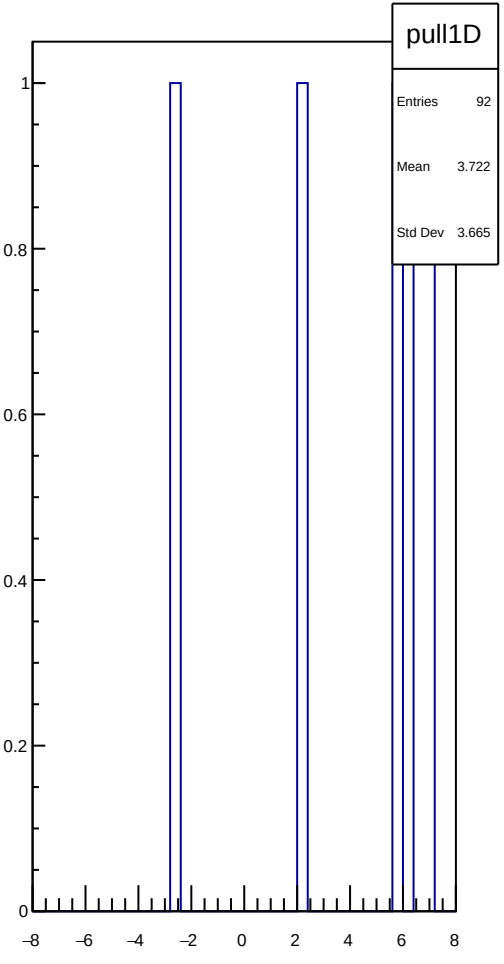

yield_bpm0l01X_rms vs run
χ² / ndf 3.35e+04 / 91
p0 0.0113 ± 8.695e−06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

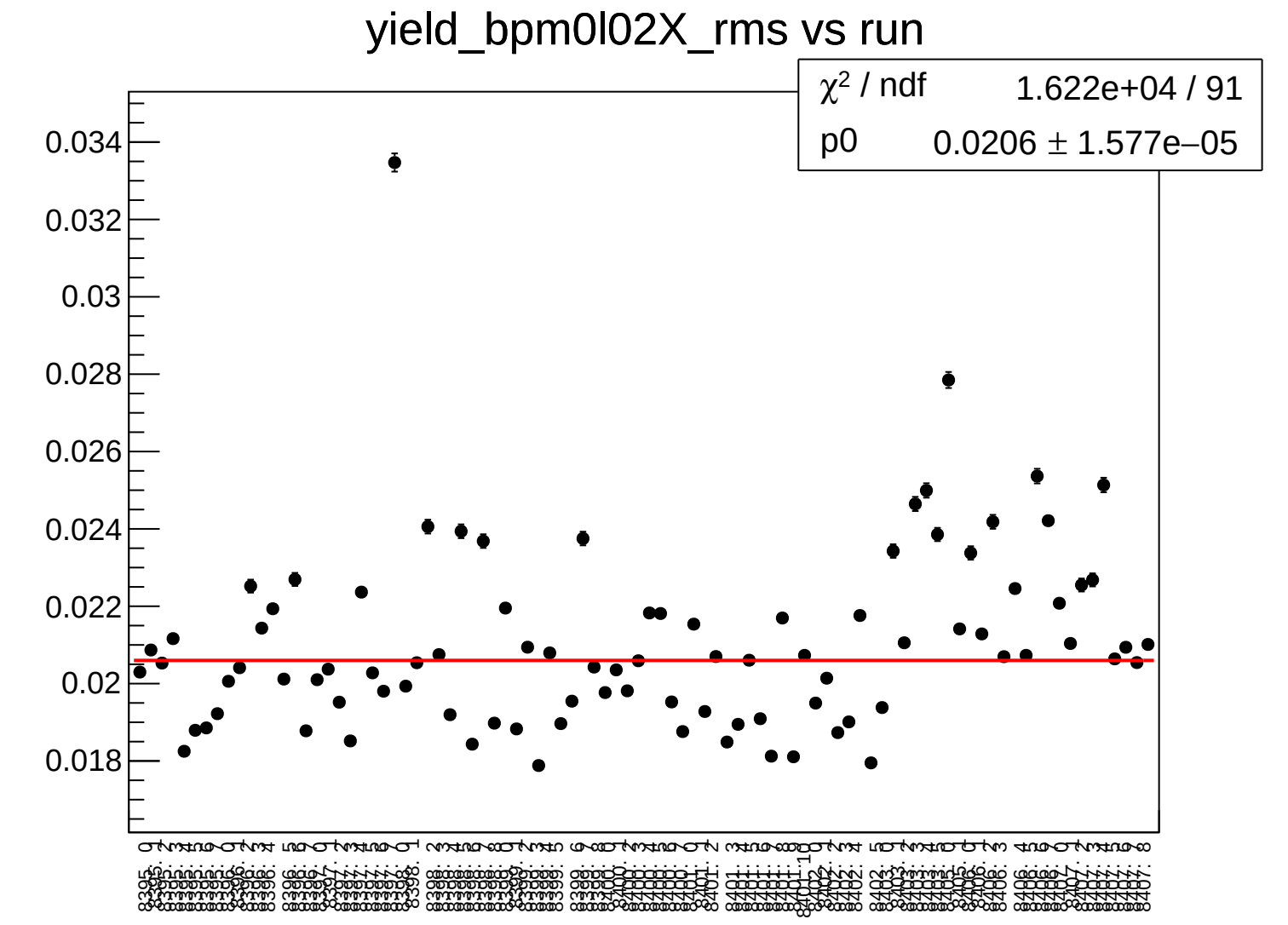

yield_bpm0l01Y_mean vs run
χ² / ndf 4.281e+06 / 91
p0 −6.651 ± 1.596e−05
−6.6
−6.62
−6.64
−6.66
−6.68
−6.7
−6.72
−6.74
pull
Entries 92
Mean 349.4
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

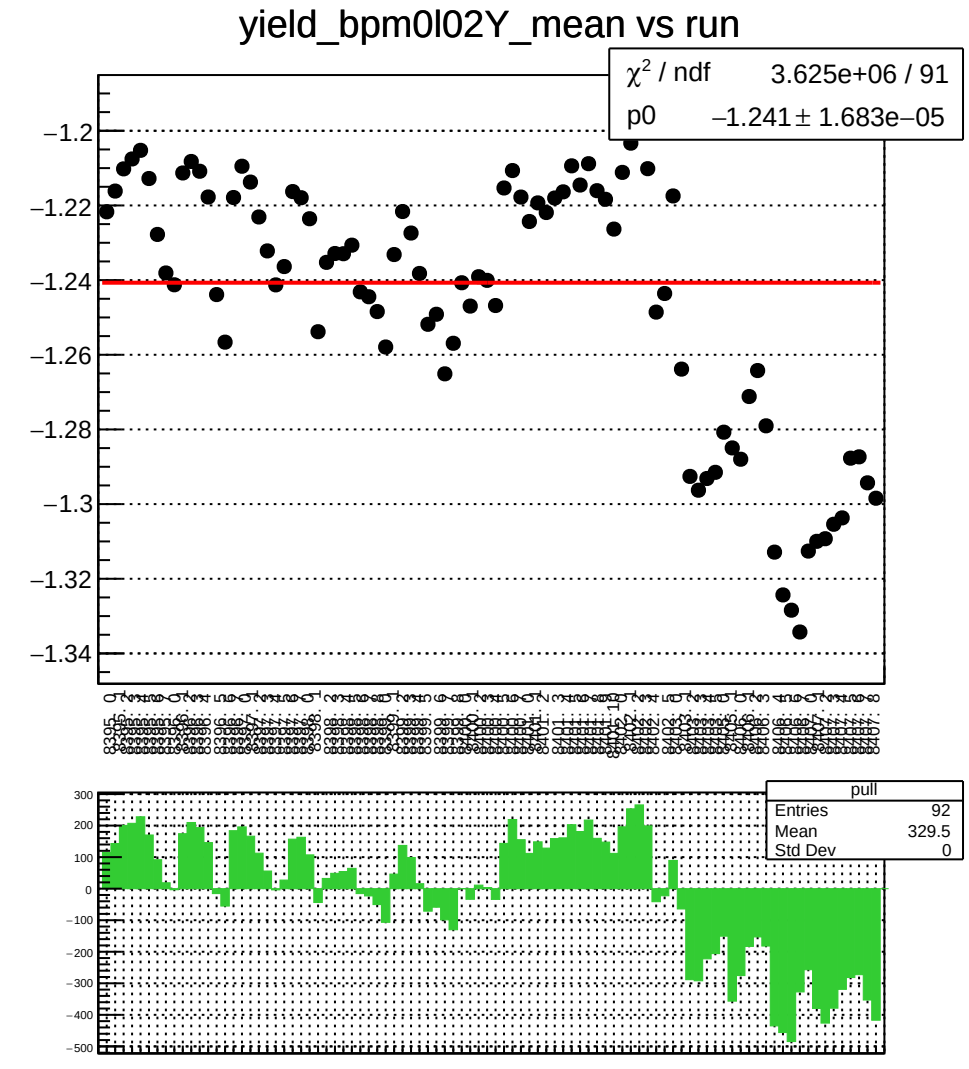

pull1D
Entries 92
Mean 0.9141
Std Dev 0.7807
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

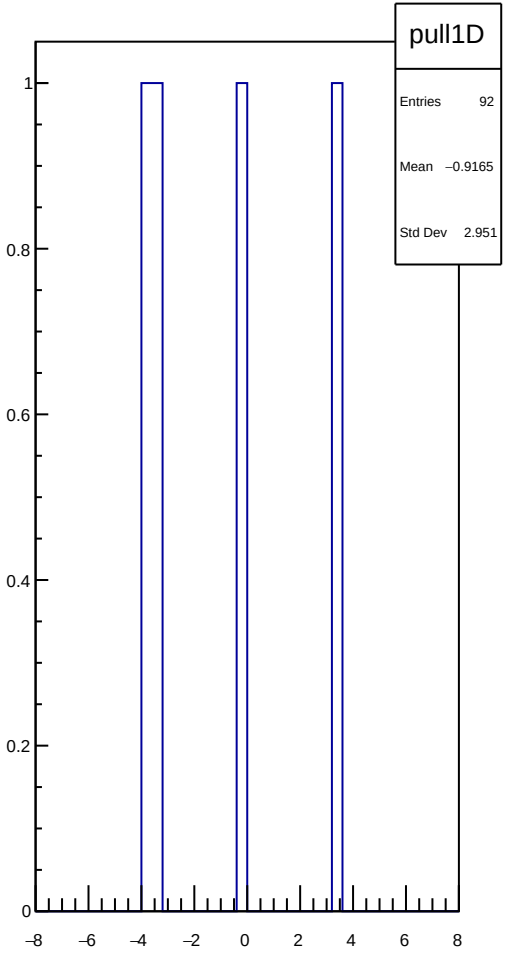

yield_bpm0l01Y_rms vs run
χ² / ndf 4.501e+04 / 91
p0 0.01462 ± 1.128e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

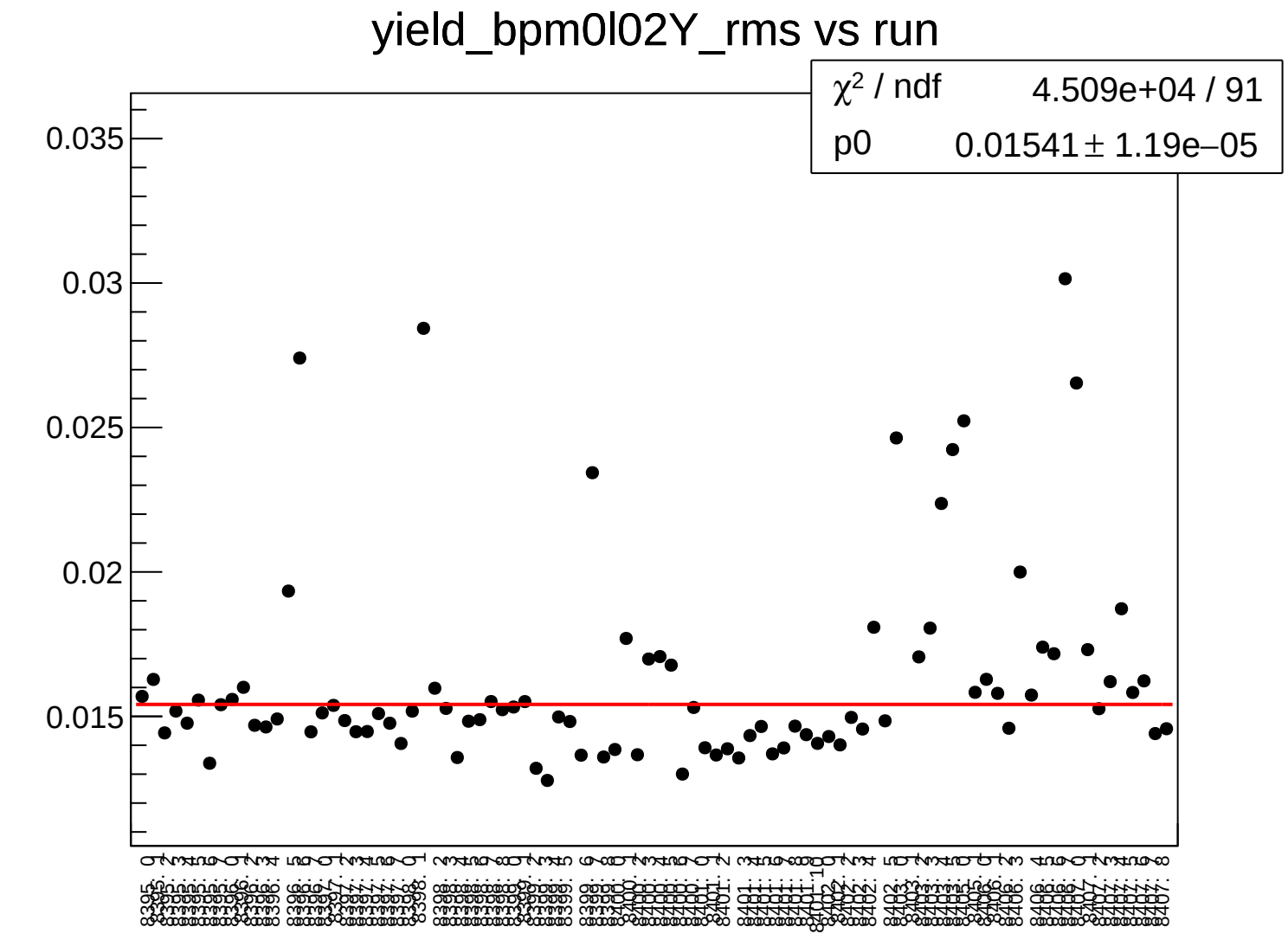

yield_bpm0l02X_mean vs run
χ² / ndf 2.47e+06 / 91
p0 −0.6209 ± 2.23e−05
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
−0.66
−0.68
−0.7
pull
Entries 92
Mean 1.479e+04
Std Dev 0
400
300
200
100
0
−100
−200
−300

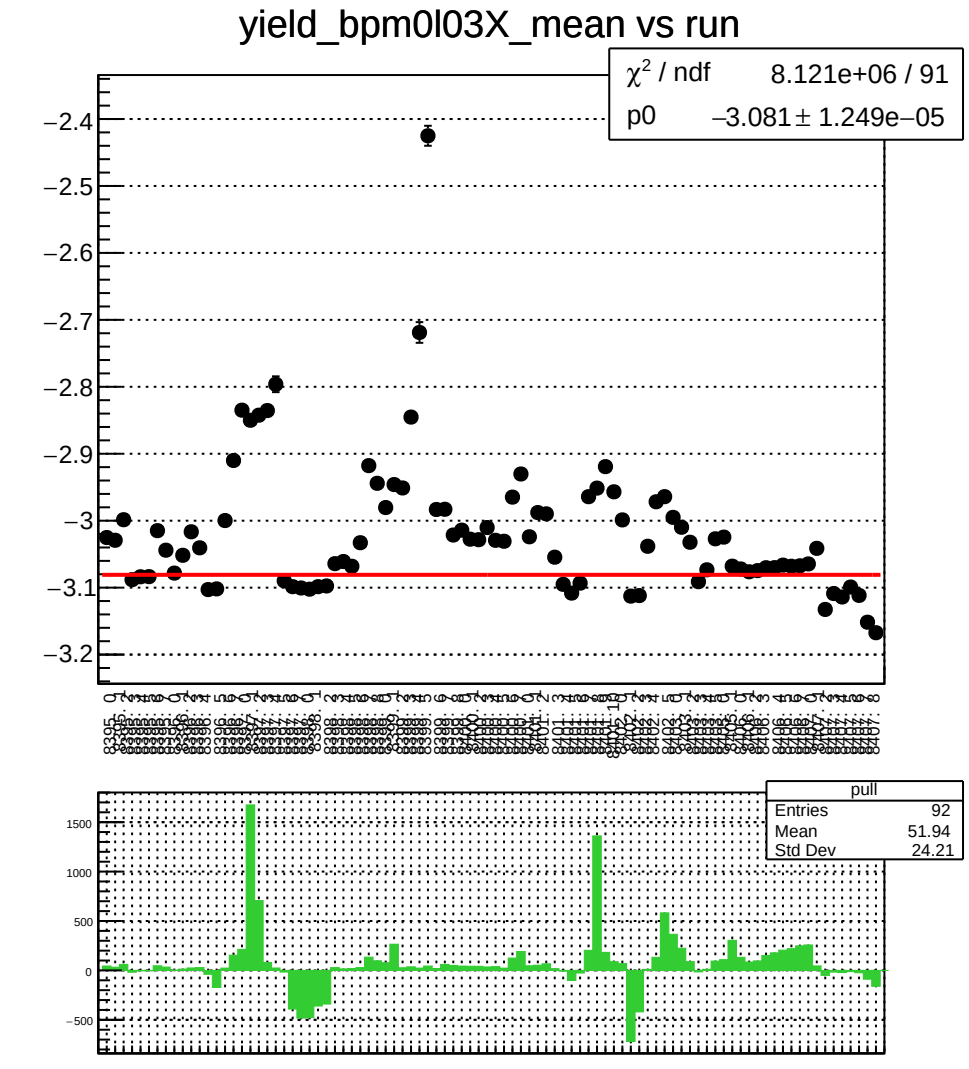

pull1D
Entries 92
Mean 3.722
Std Dev 3.665
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

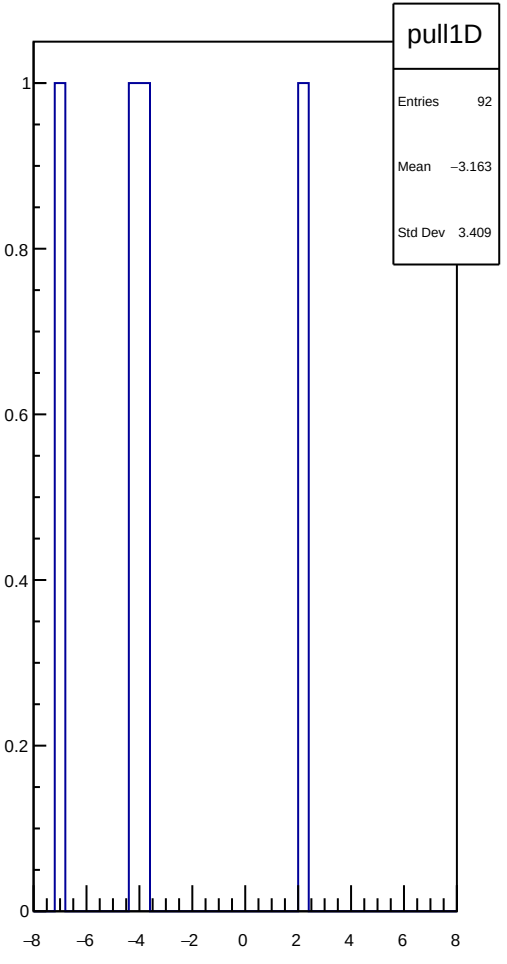

yield_bpm0l02X_rms vs run
χ² / ndf 1.622e+04 / 91
p0 0.0206 ± 1.577e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018

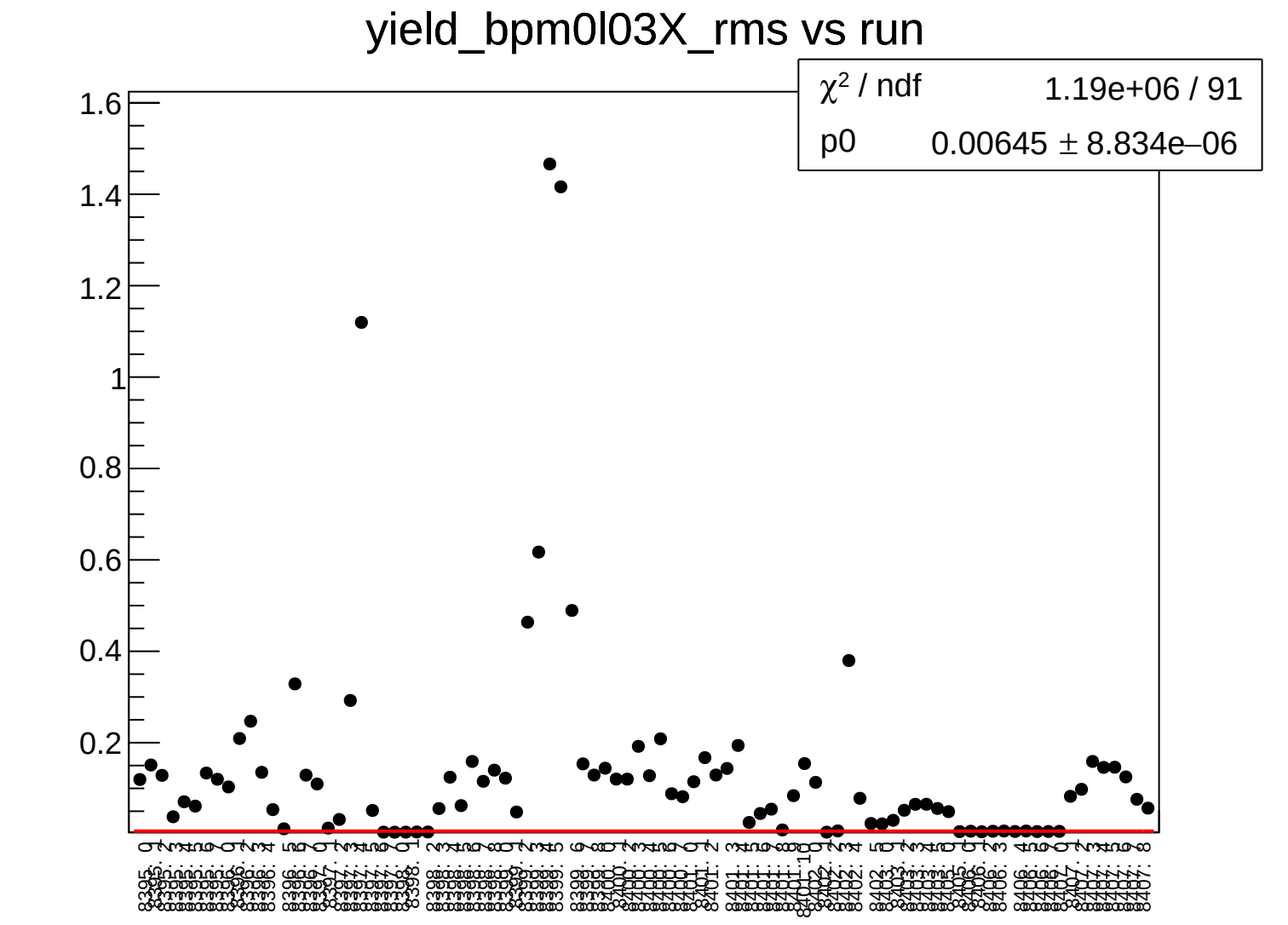

yield_bpm0l02Y_mean vs run
χ² / ndf 3.625e+06 / 91
p0 −1.241 ± 1.683e−05
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
−1.32
−1.34
pull
Entries 92
Mean 329.5
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

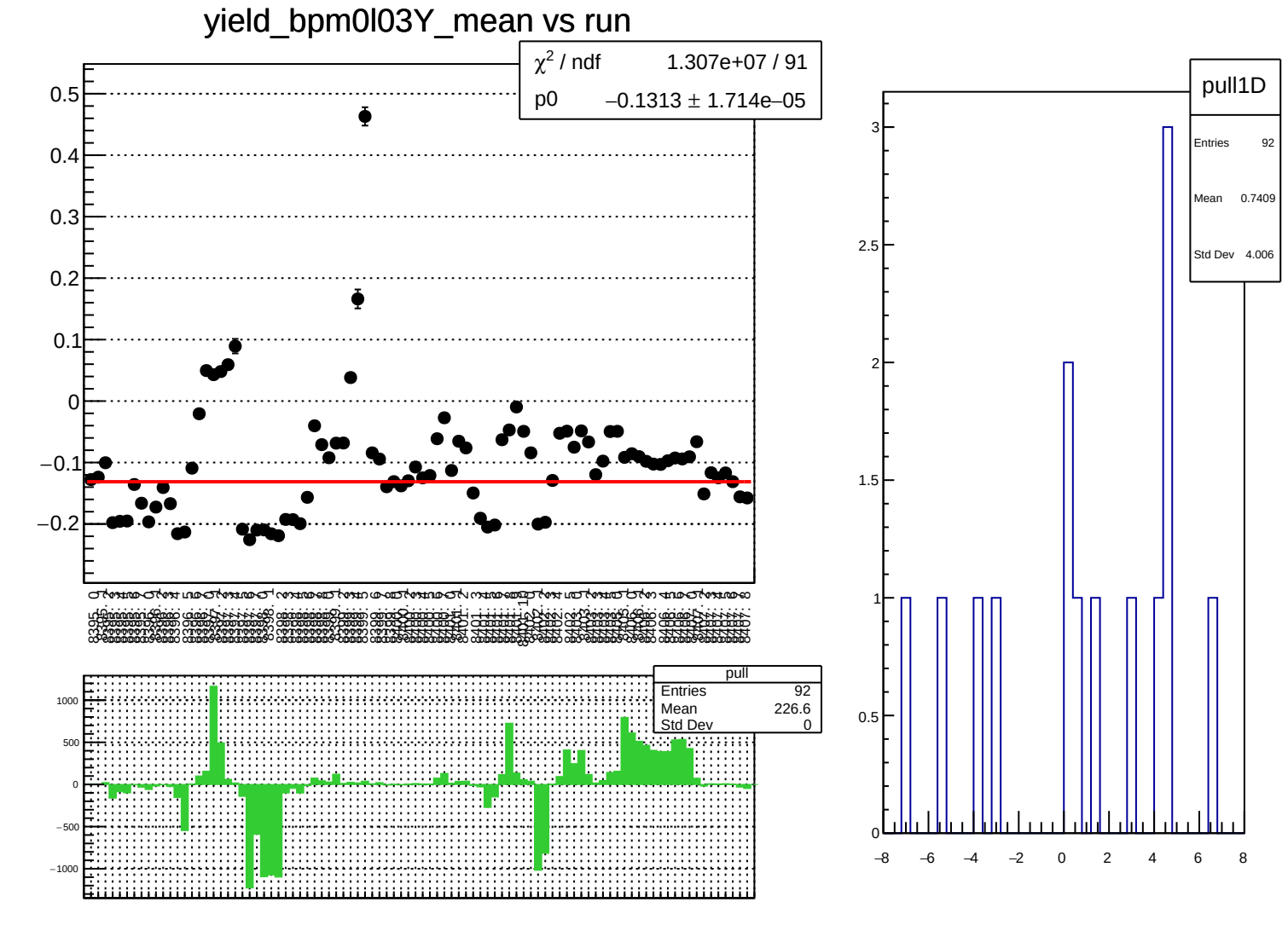

pull1D
Entries 92
Mean −0.9165
Std Dev 2.951
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

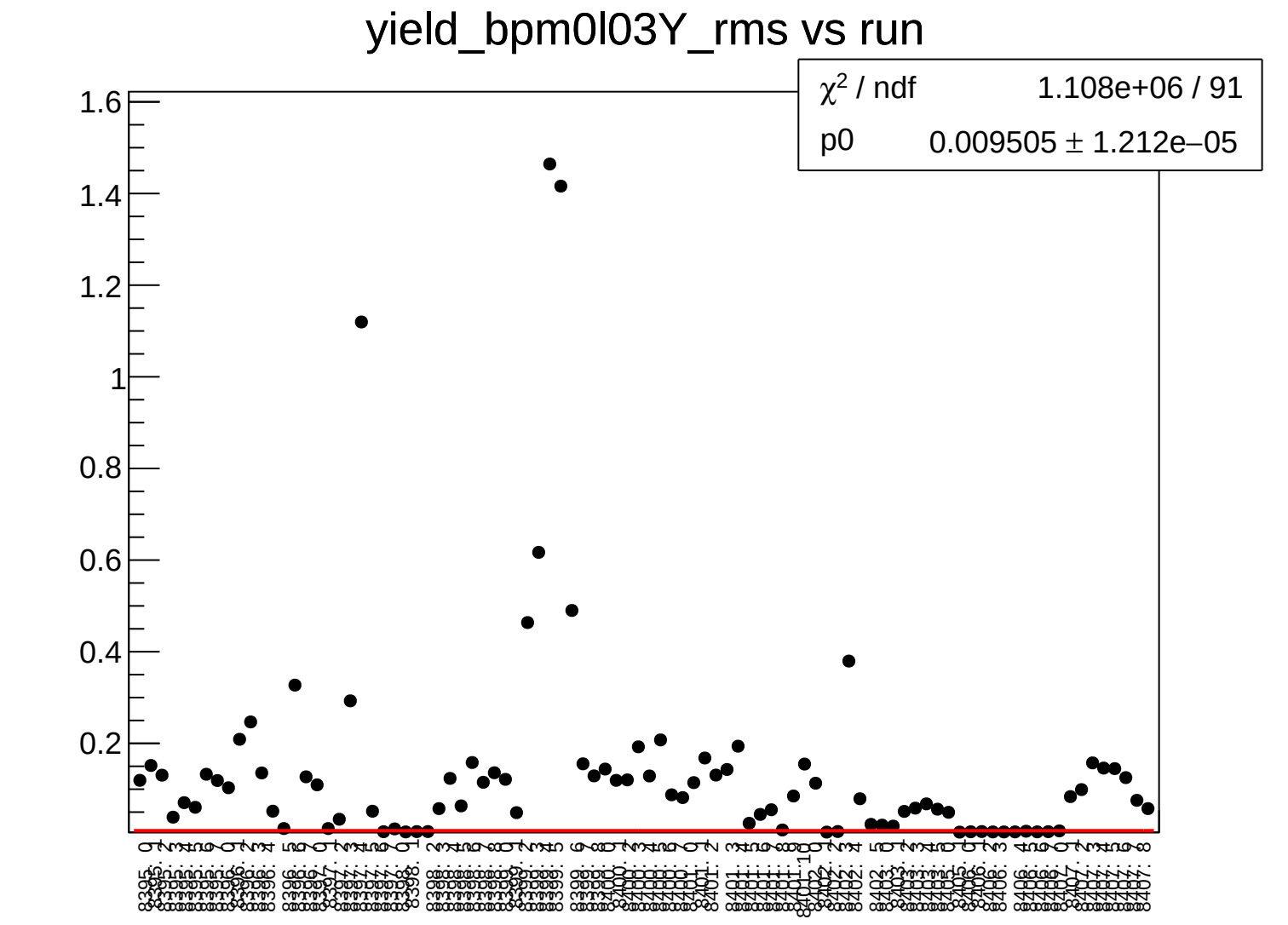

yield_bpm0l02Y_rms vs run
χ² / ndf 4.509e+04 / 91
p0 0.01541 ± 1.19e−05
0.035
0.03
0.025
0.02
0.015

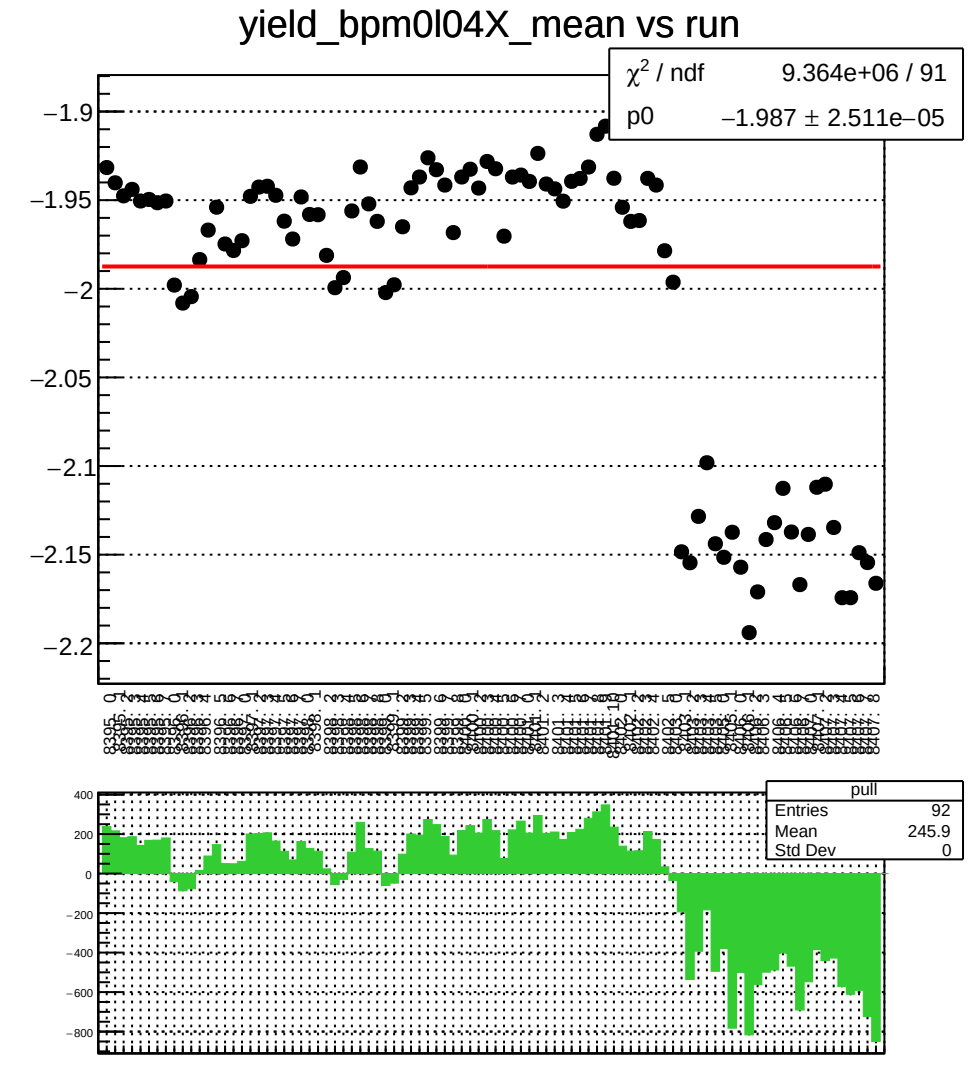

yield_bpm0l03X_mean vs run
χ² / ndf 8.121e+06 / 91
p0 −3.081 ± 1.249e−05
−2.4
−2.5
−2.6
−2.7
−2.8
−2.9
−3
−3.1
−3.2
pull
Entries 92
Mean 51.94
Std Dev 24.21
1500
1000
500
0
−500

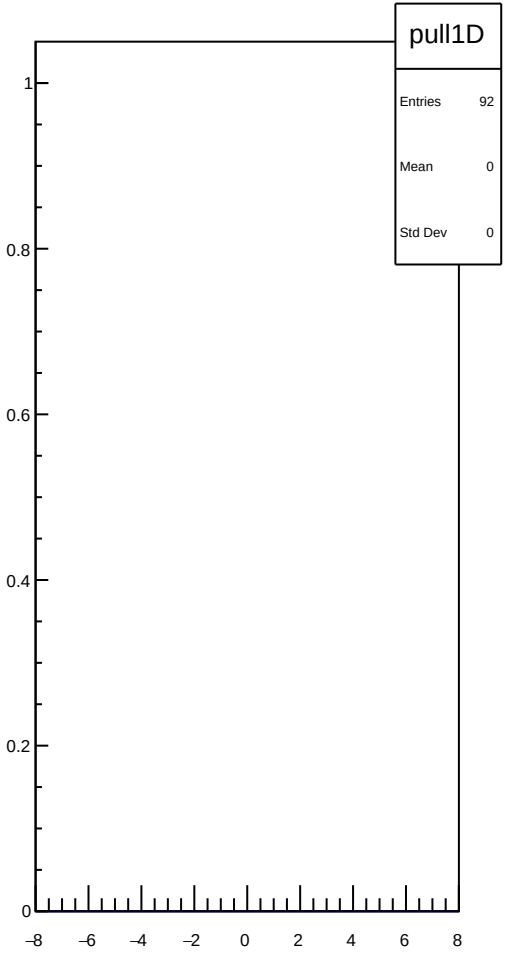

pull1D
Entries 92
Mean −3.163
Std Dev 3.409
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

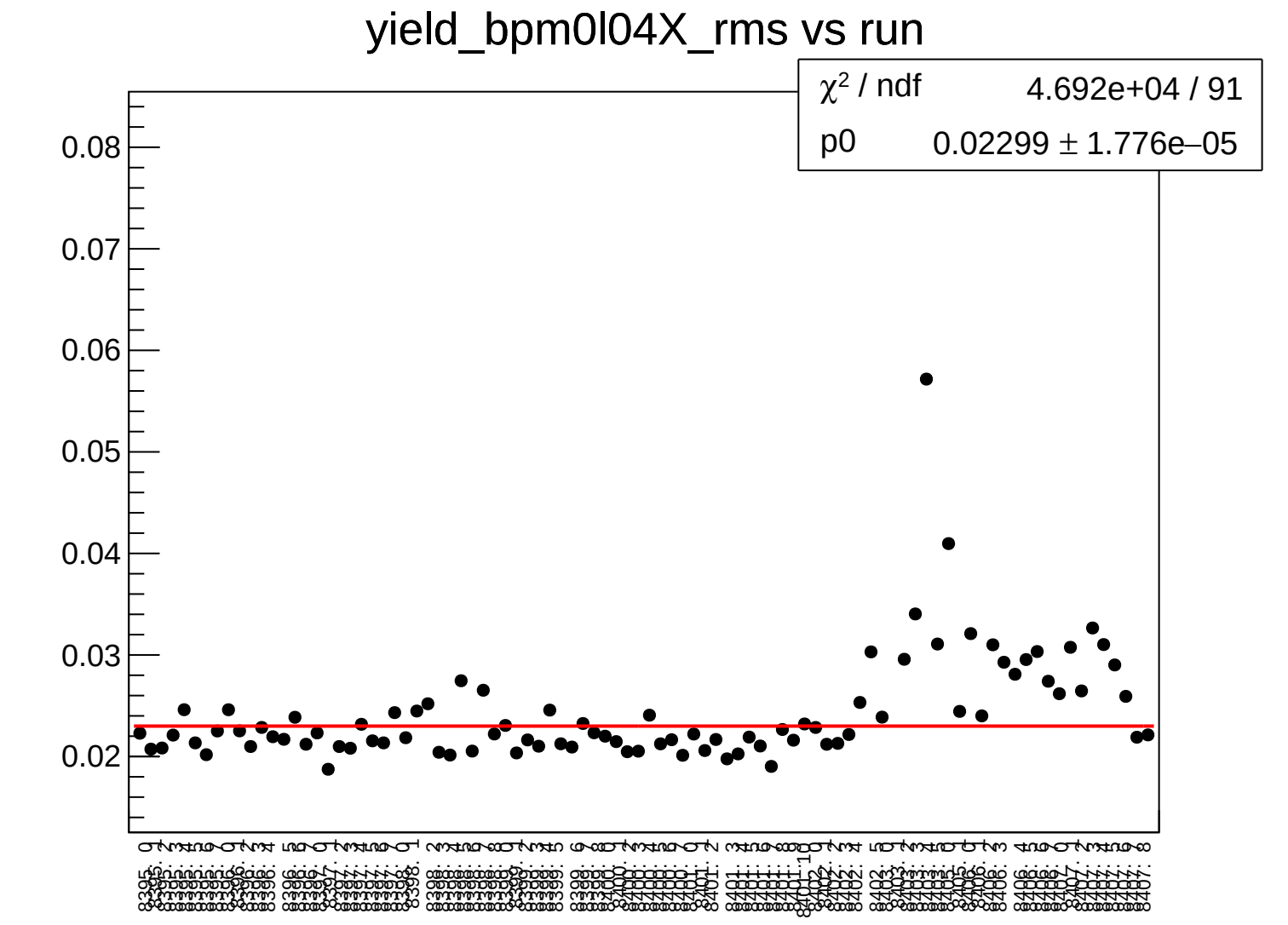

yield_bpm0l03X_rms vs run
χ² / ndf 1.19e+06 / 91
p0 0.00645 ± 8.834e–06
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

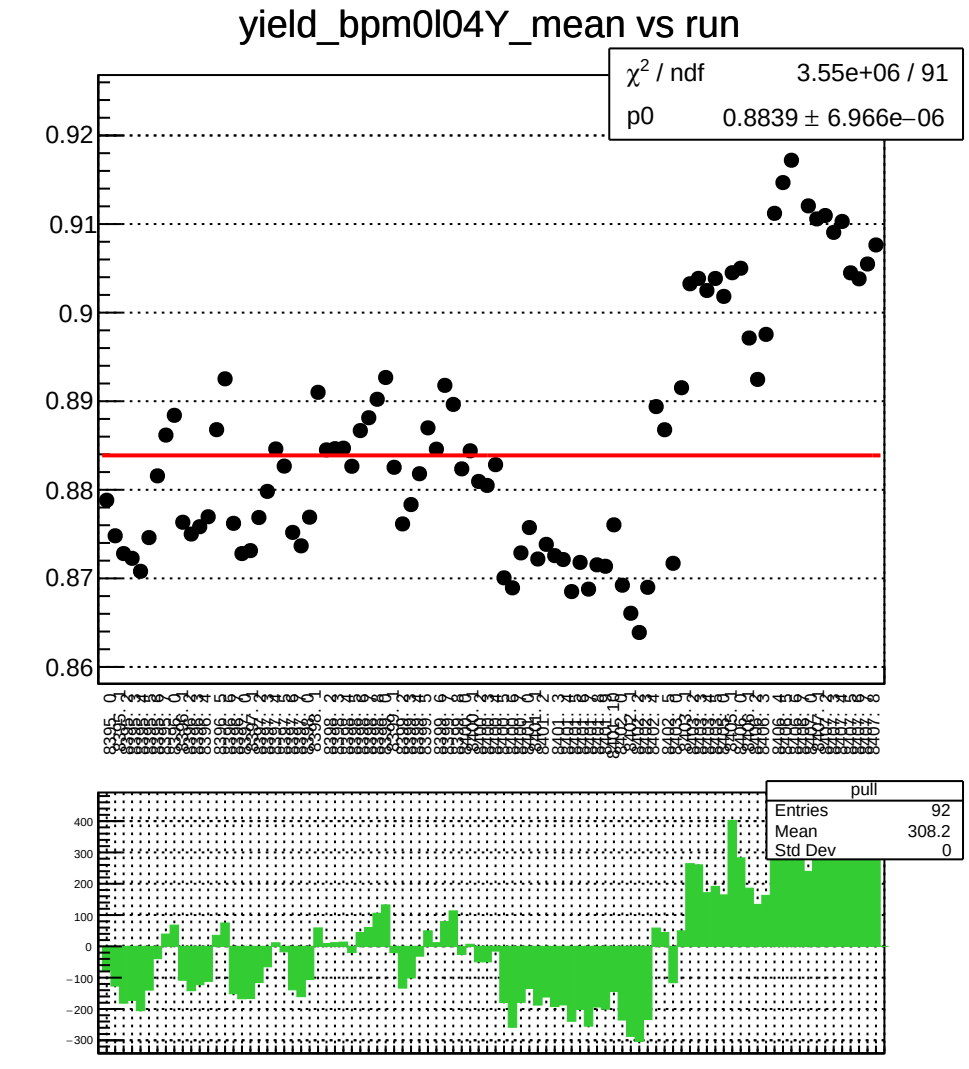

yield_bpm0l03Y_mean vs run
χ² / ndf 1.307e+07 / 91
p0 −0.1313 ± 1.714e−05
pull
Entries 92
Mean 226.6
Std Dev 0
pull1D
Entries 92
Mean 0.7409
Std Dev 4.006

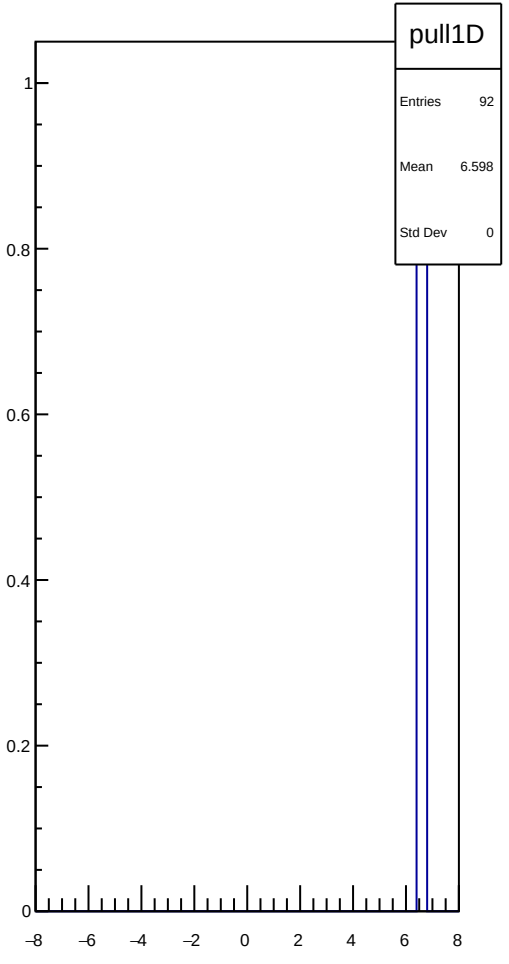

yield_bpm0l03Y_rms vs run
χ² / ndf 1.108e+06 / 91
p0 0.009505 ± 1.212e−05
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

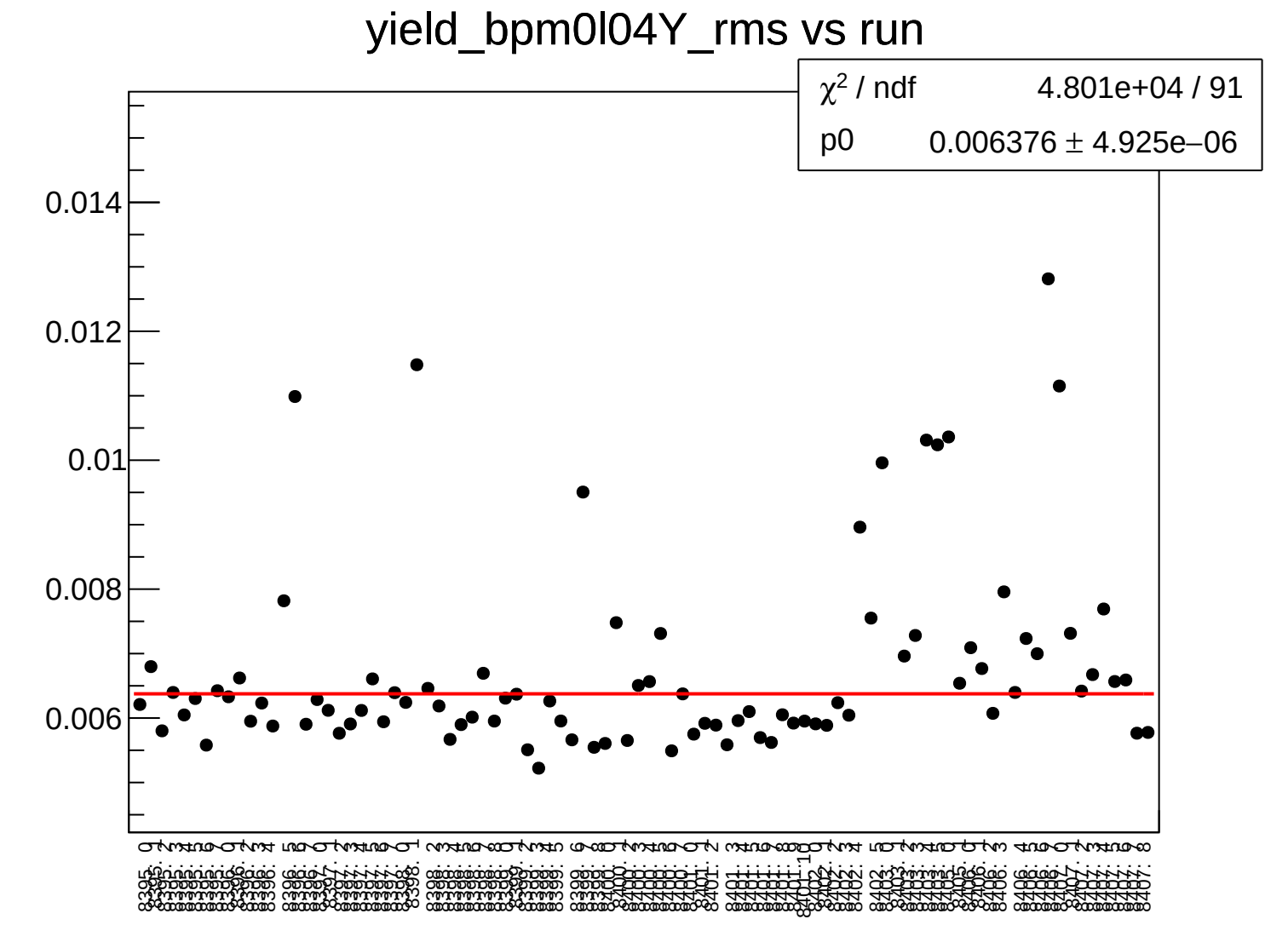

yield_bpm0l04X_mean vs run
χ² / ndf 9.364e+06 / 91
p0 −1.987 ± 2.511e−05
−1.9
−1.95
−2
−2.05
−2.1
−2.15
−2.2
pull
Entries 92
Mean 245.9
Std Dev 0
400
200
0
−200
−400
−600
−800

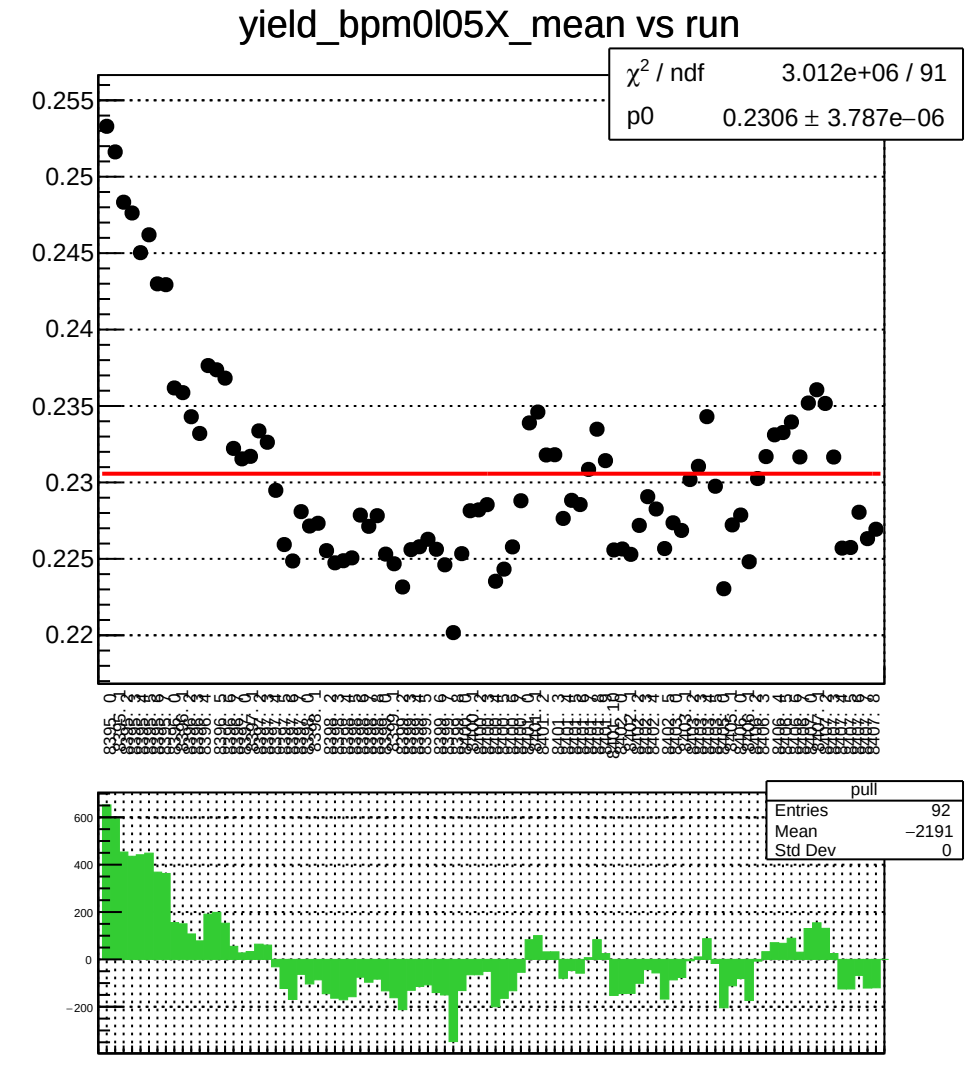

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

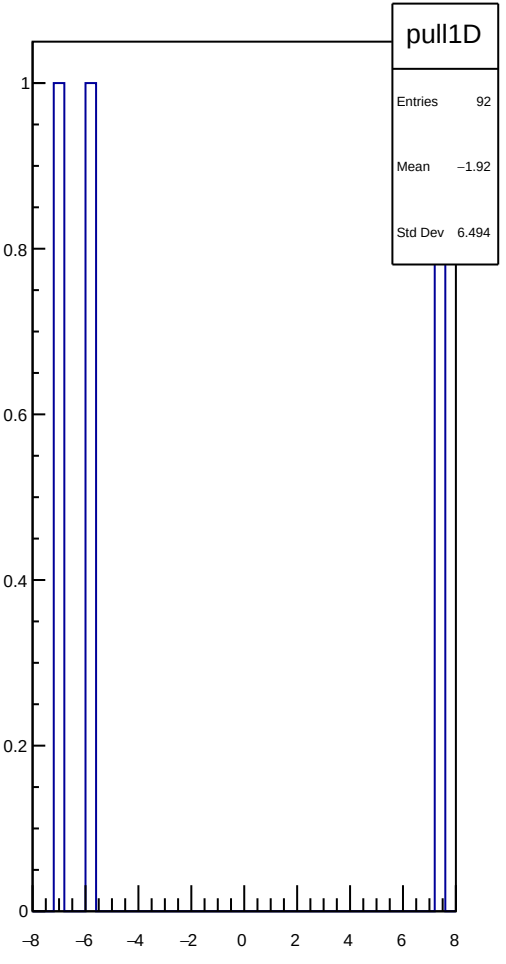

yield_bpm0l04X_rms vs run
χ² / ndf 4.692e+04 / 91
p0 0.02299 ± 1.776e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02

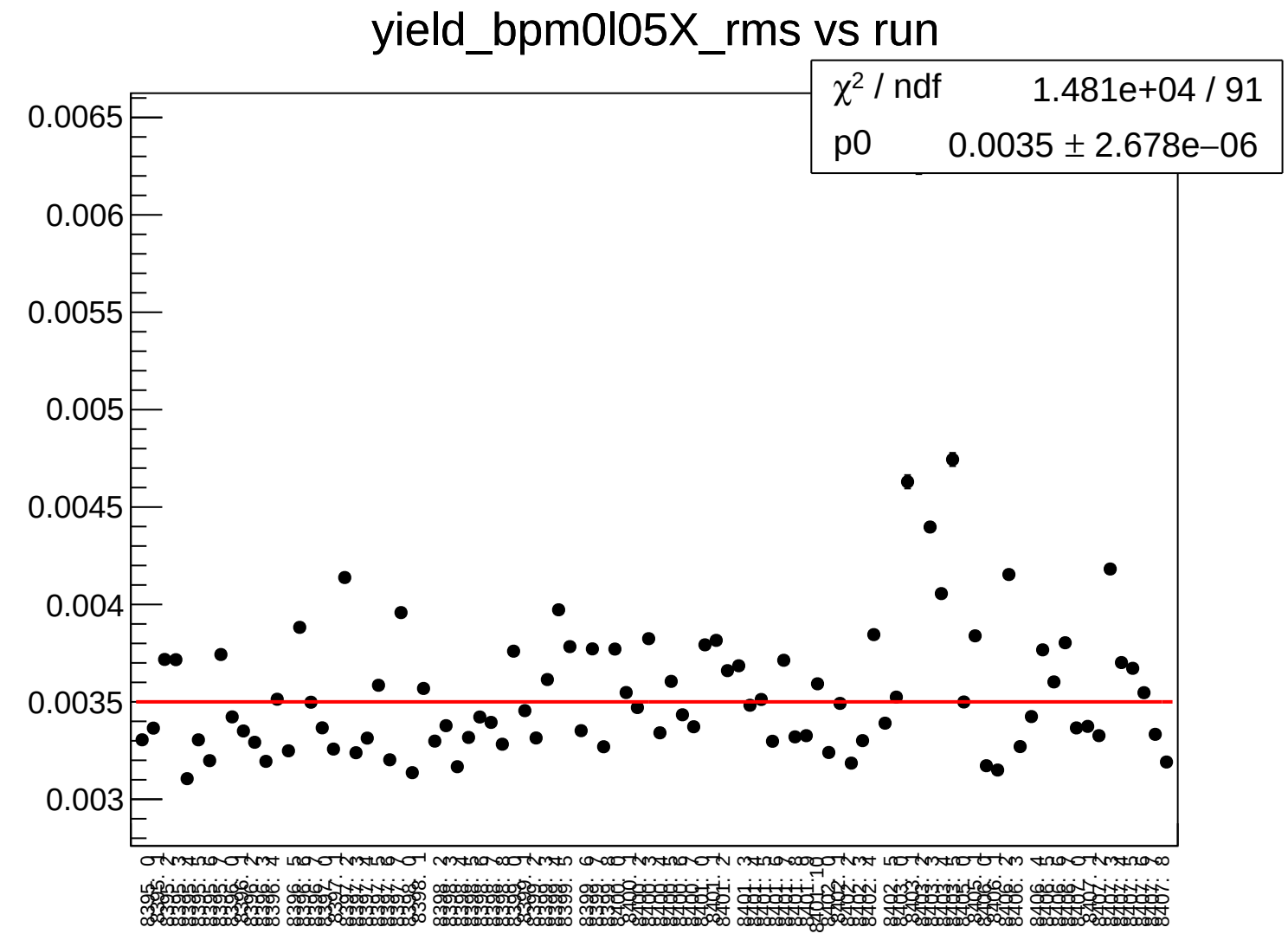

yield_bpm0l04Y_mean vs run
χ² / ndf 3.55e+06 / 91
p0 0.8839 ± 6.966e−06
0.92
0.91
0.9
0.89
0.88
0.87
0.86
pull
Entries 92
Mean 308.2
Std Dev 0
400
300
200
100
0
−100
−200
−300

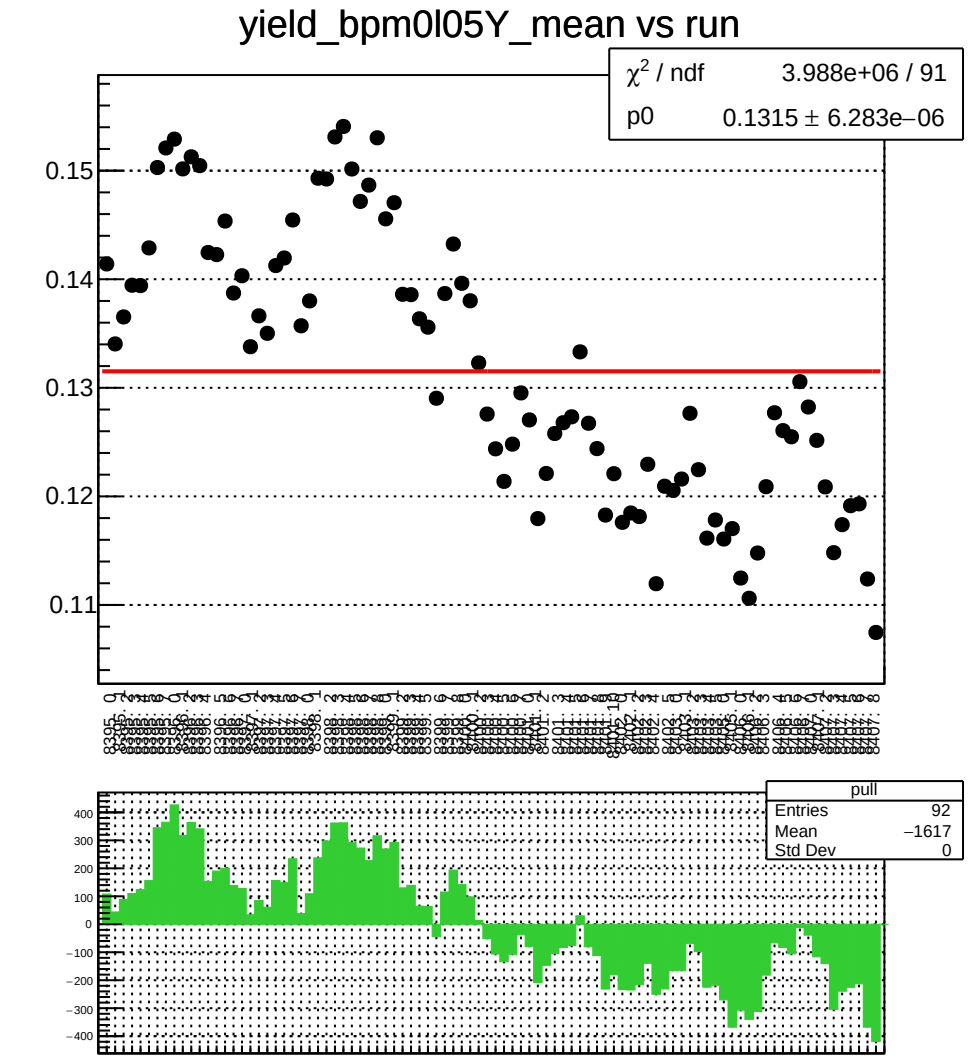

pull1D
Entries 92
Mean 6.598
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

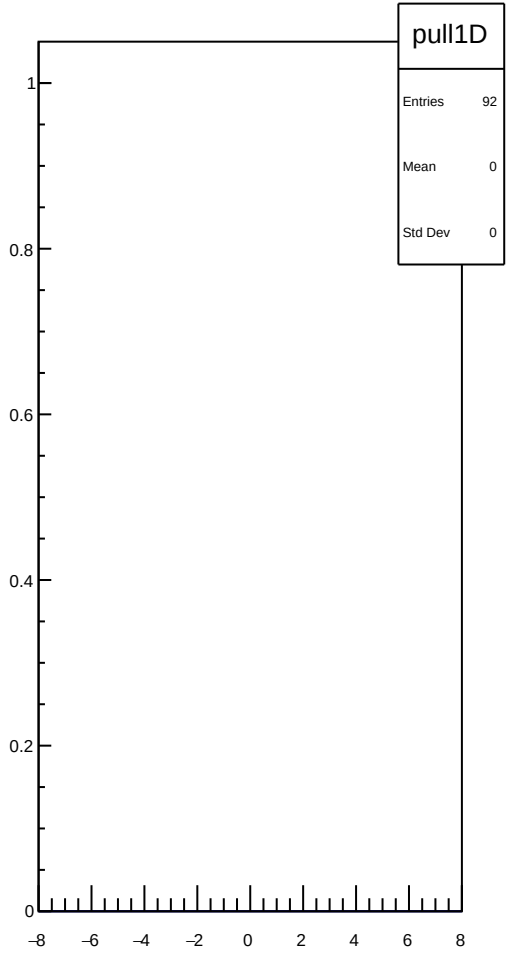

yield_bpm0l04Y_rms vs run
$\chi^2$ / ndf 4.801e+04 / 91
p0 0.006376 ± 4.925e−06
0.014
0.012
0.01
0.008
0.006

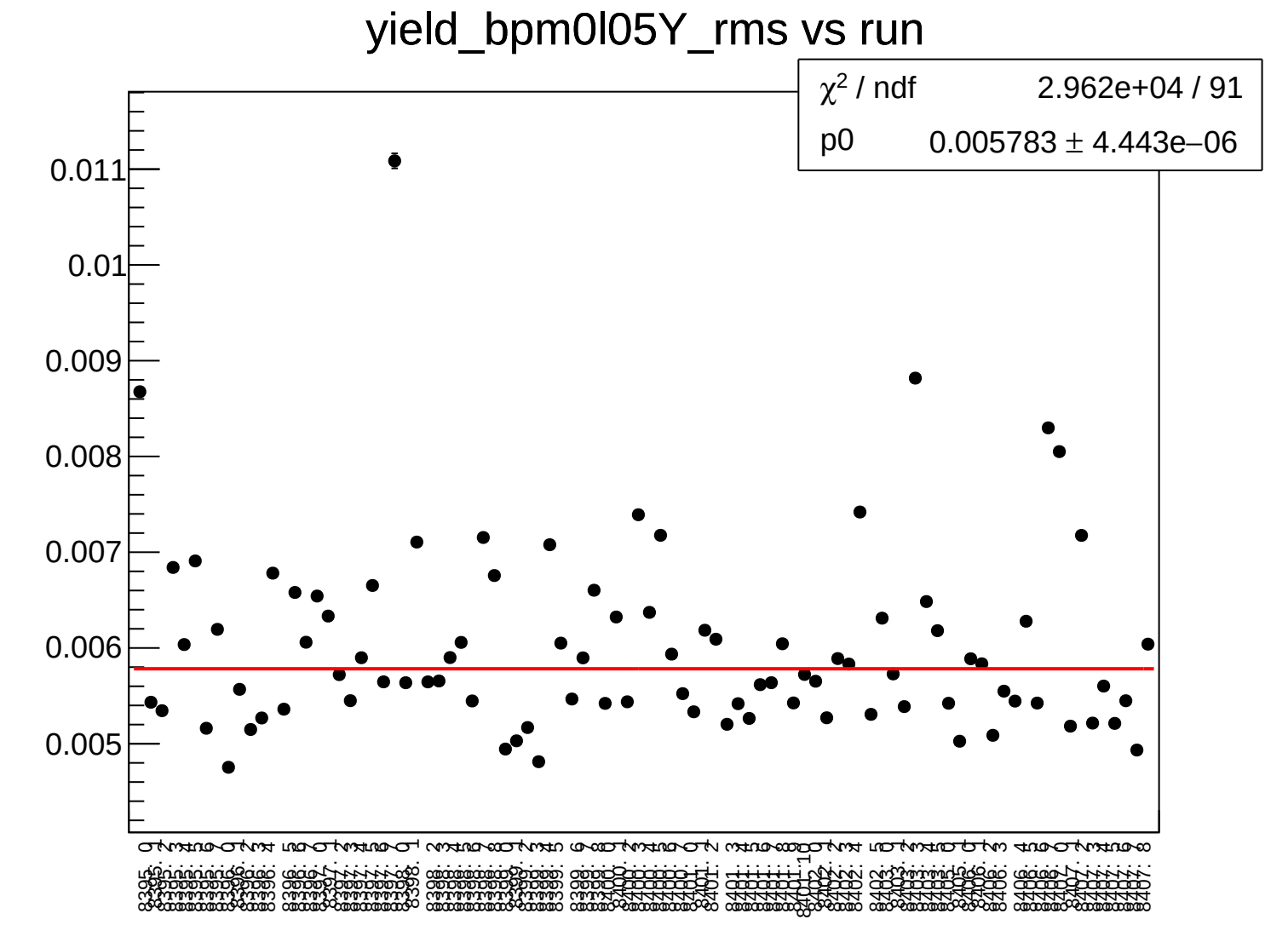

yield_bpm0l05X_mean vs run
χ² / ndf 3.012e+06 / 91
p0 0.2306 ± 3.787e−06
0.255
0.25
0.245
0.24
0.235
0.23
0.225
0.22
pull
Entries 92
Mean −2191
Std Dev 0
600
400
200
0
−200

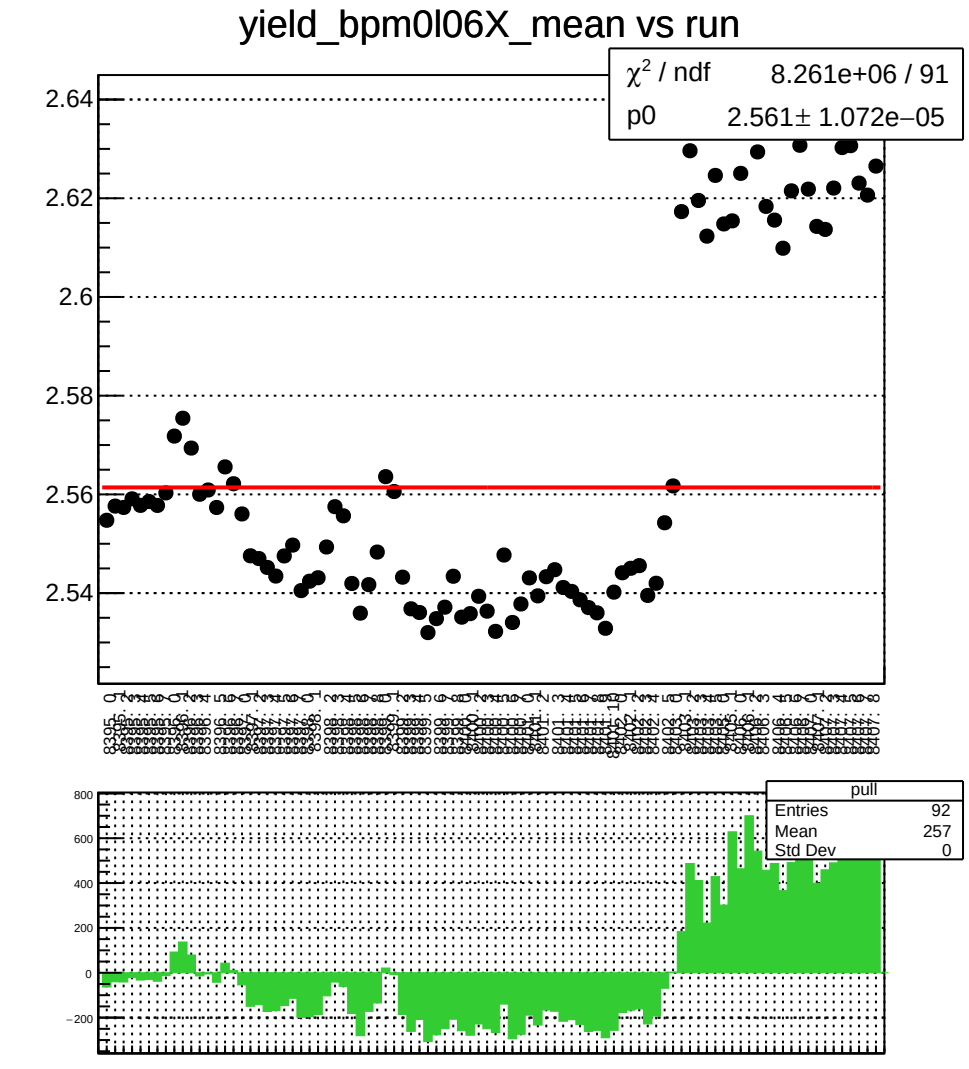

pull1D
Entries 92
Mean −1.92
Std Dev 6.494
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

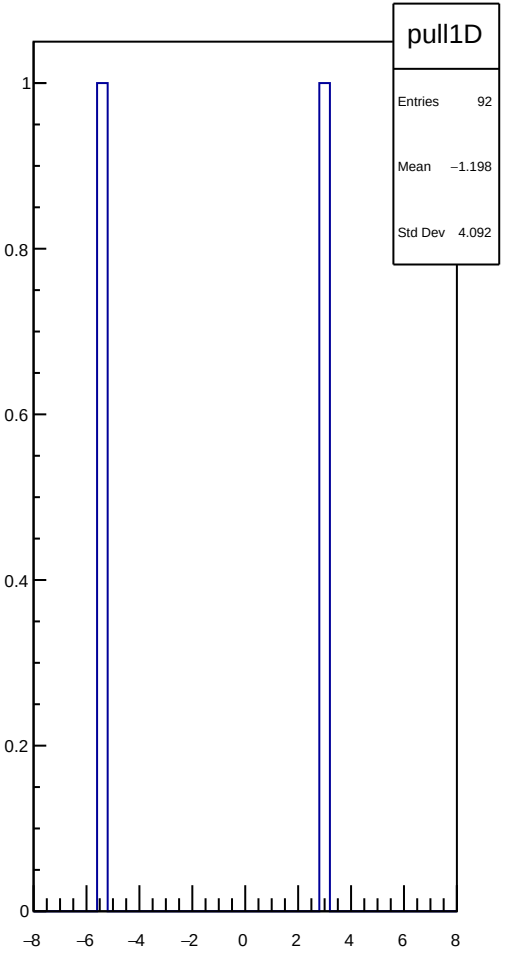

yield_bpm0l05X_rms vs run
χ² / ndf 1.481e+04 / 91
p0 0.0035 ± 2.678e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

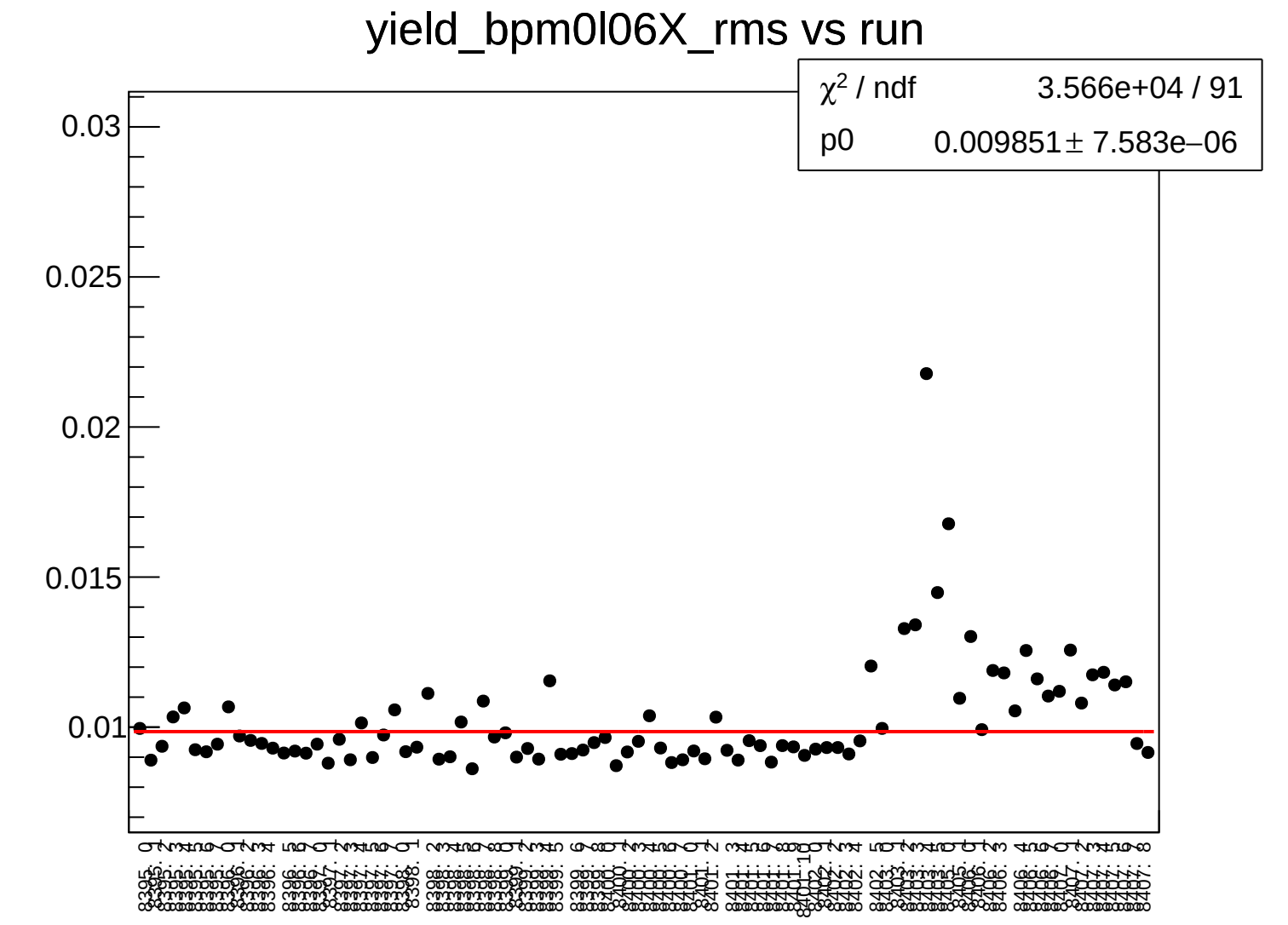

yield_bpm0l05Y_mean vs run
χ² / ndf 3.988e+06 / 91
p0 0.1315 ± 6.283e−06
0.15
0.14
0.13
0.12
0.11
pull
Entries 92
Mean −1617
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

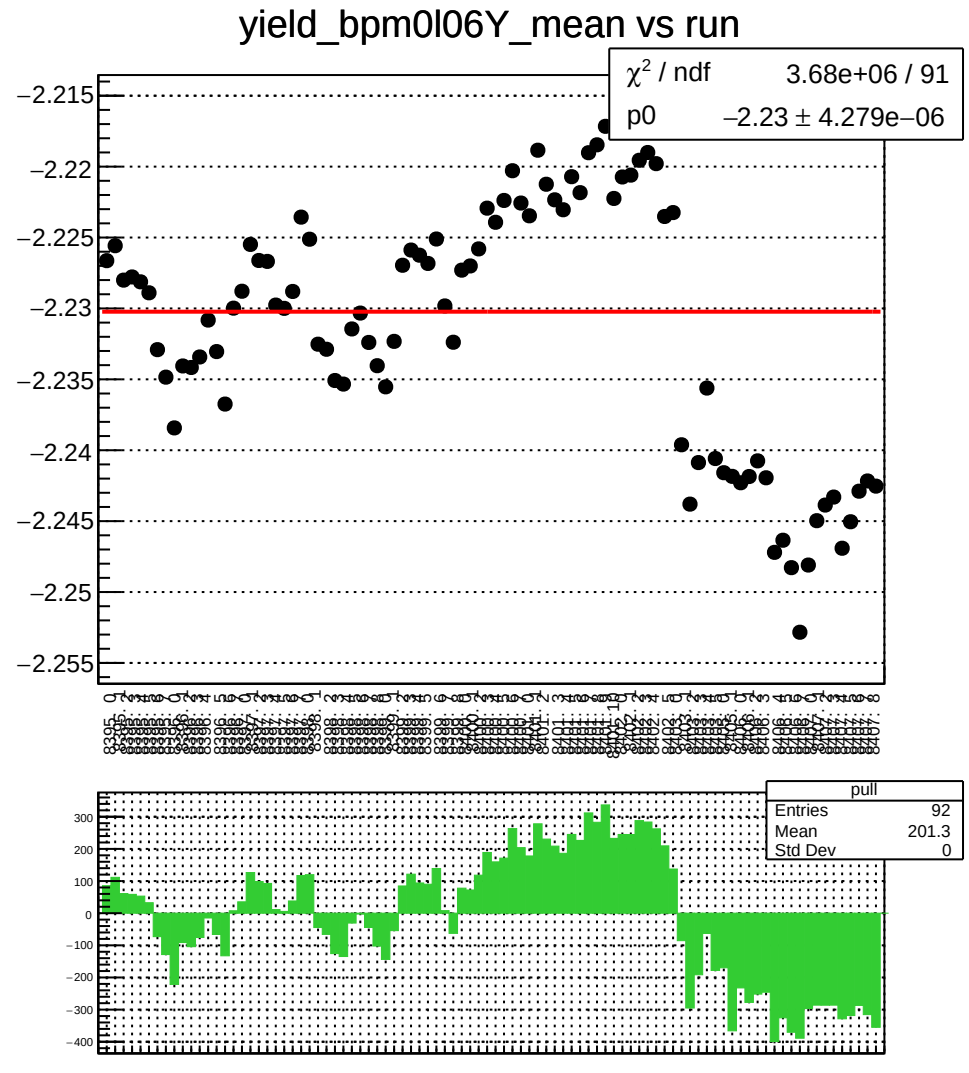

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

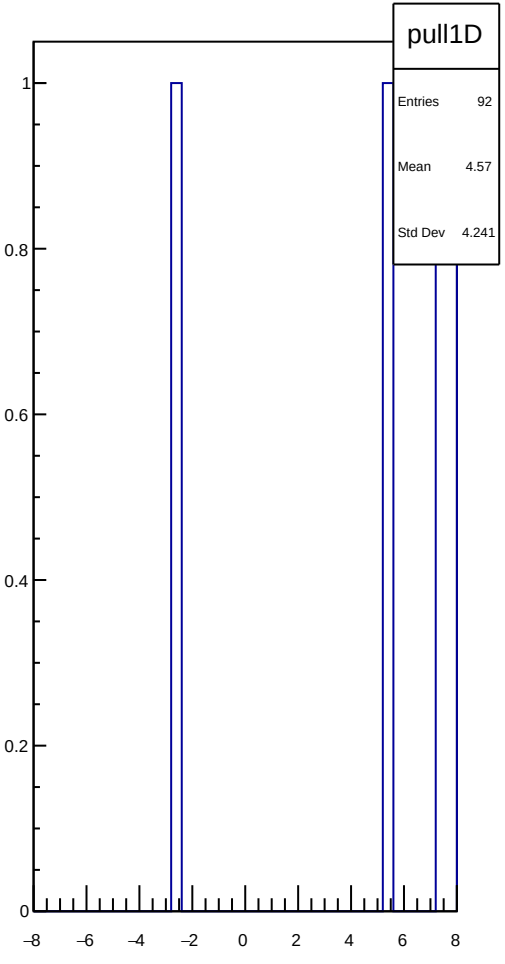

yield_bpm0l05Y_rms vs run
χ² / ndf 2.962e+04 / 91
p0 0.005783 ± 4.443e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005

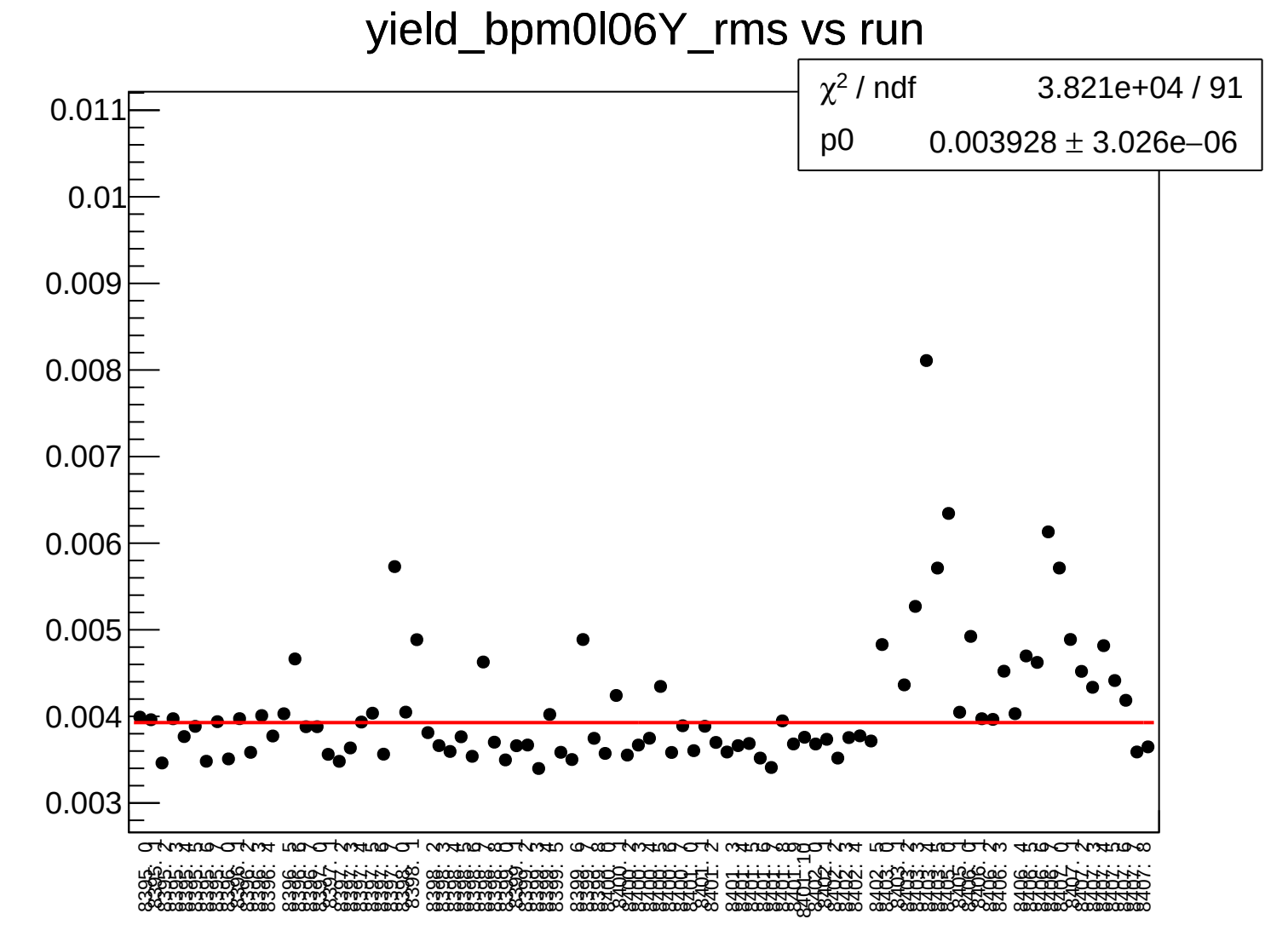

yield_bpm0l06X_mean vs run
χ² / ndf 8.261e+06 / 91
p0 2.561± 1.072e−05
2.64
2.62
2.6
2.58
2.56
2.54
pull
Entries 92
Mean 257
Std Dev 0
800
600
400
200
0
−200

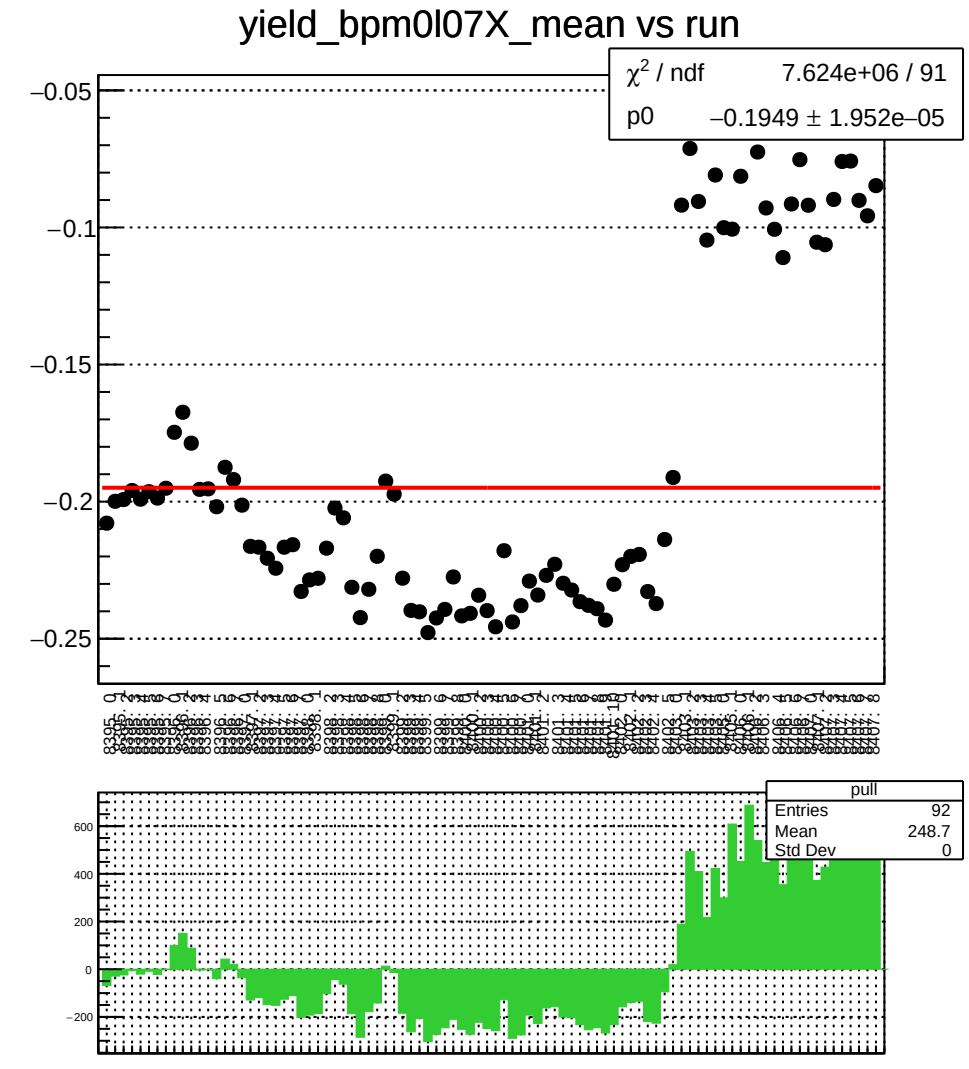

pull1D
Entries 92
Mean −1.198
Std Dev 4.092
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

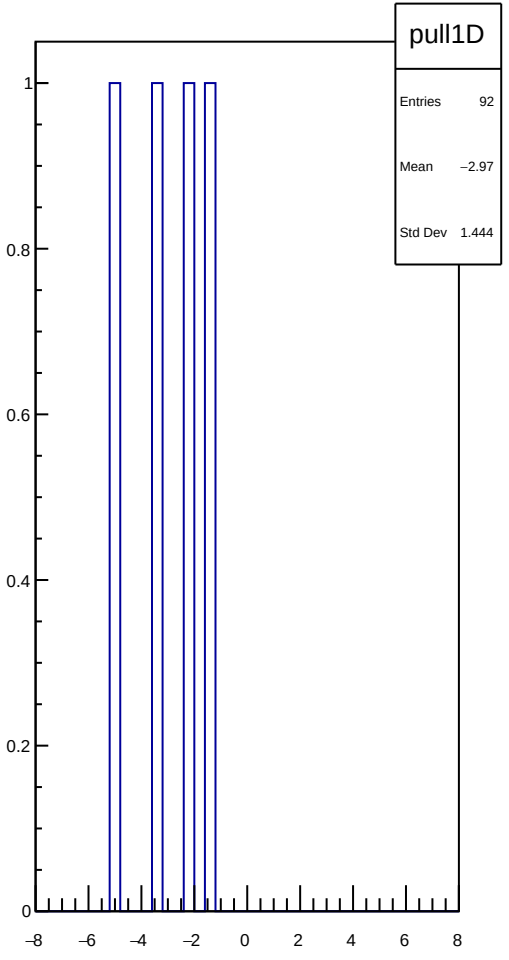

yield_bpm0l06X_rms vs run
$\chi^2$ / ndf 3.566e+04 / 91
p0 0.009851 ± 7.583e−06
0.03
0.025
0.02
0.015
0.01

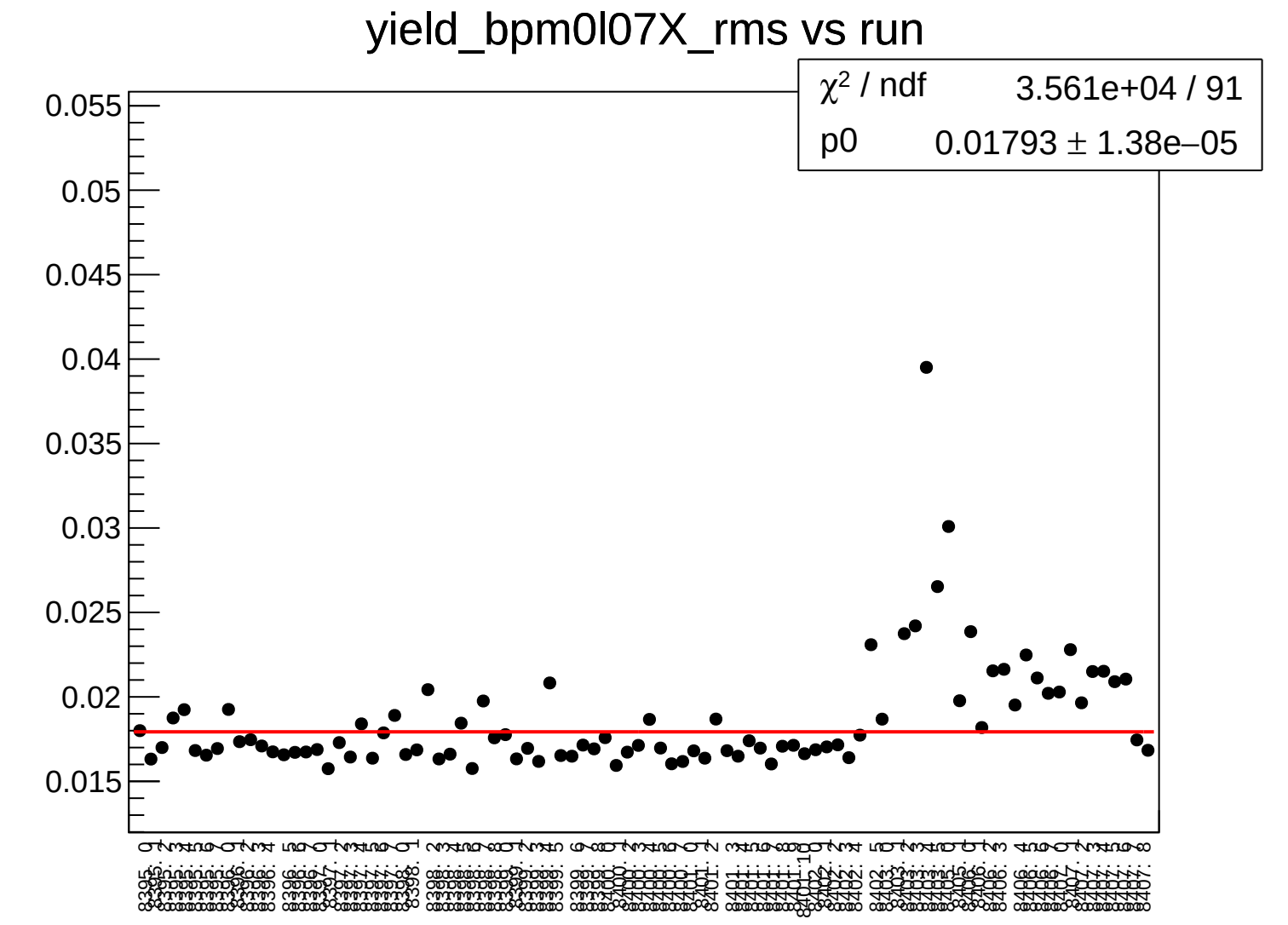

yield_bpm0l06Y_mean vs run
χ² / ndf 3.68e+06 / 91
p0 −2.23 ± 4.279e−06
−2.215
−2.22
−2.225
−2.23
−2.235
−2.24
−2.245
−2.25
−2.255
pull
Entries 92
Mean 201.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400

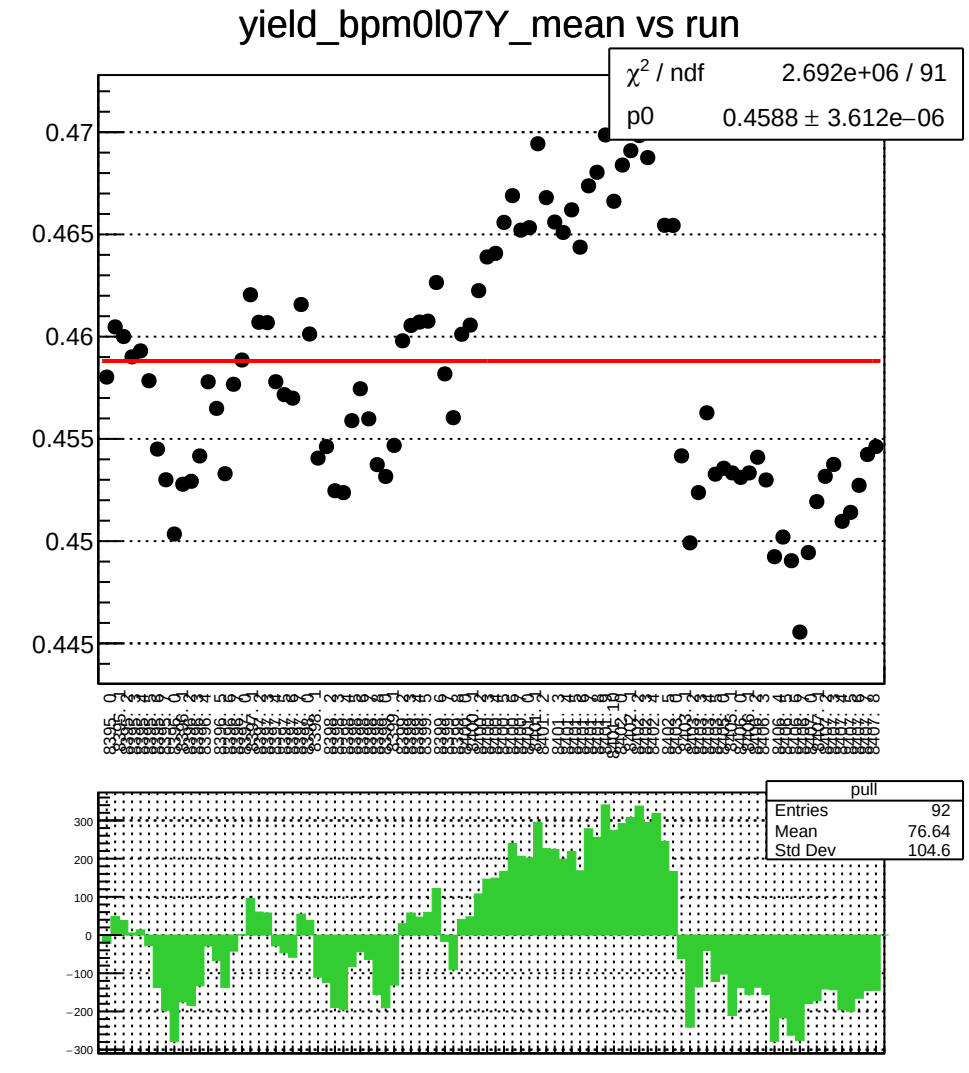

pull1D
Entries 92
Mean 4.57
Std Dev 4.241
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

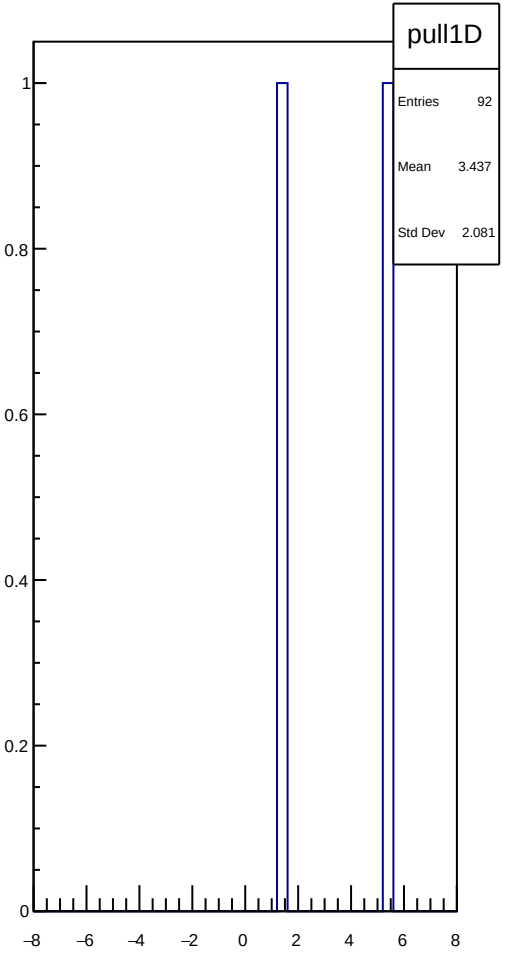

yield_bpm0l06Y_rms vs run
$\chi^2$ / ndf 3.821e+04 / 91
p0 0.003928 ± 3.026e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

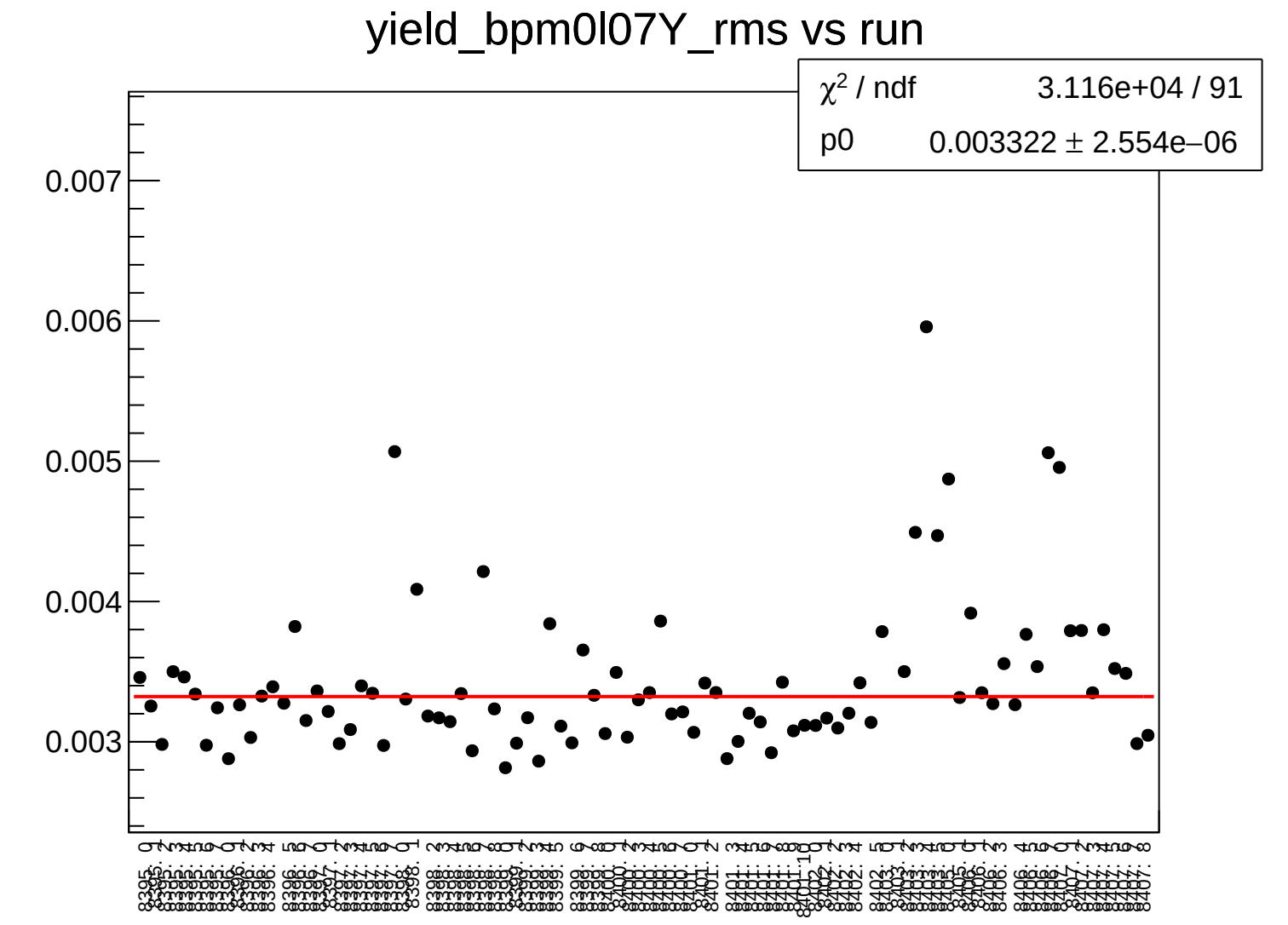

yield_bpm0l07X_mean vs run
χ² / ndf 7.624e+06 / 91
p0 −0.1949 ± 1.952e−05
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 92
Mean 248.7
Std Dev 0
600
400
200
0
−200

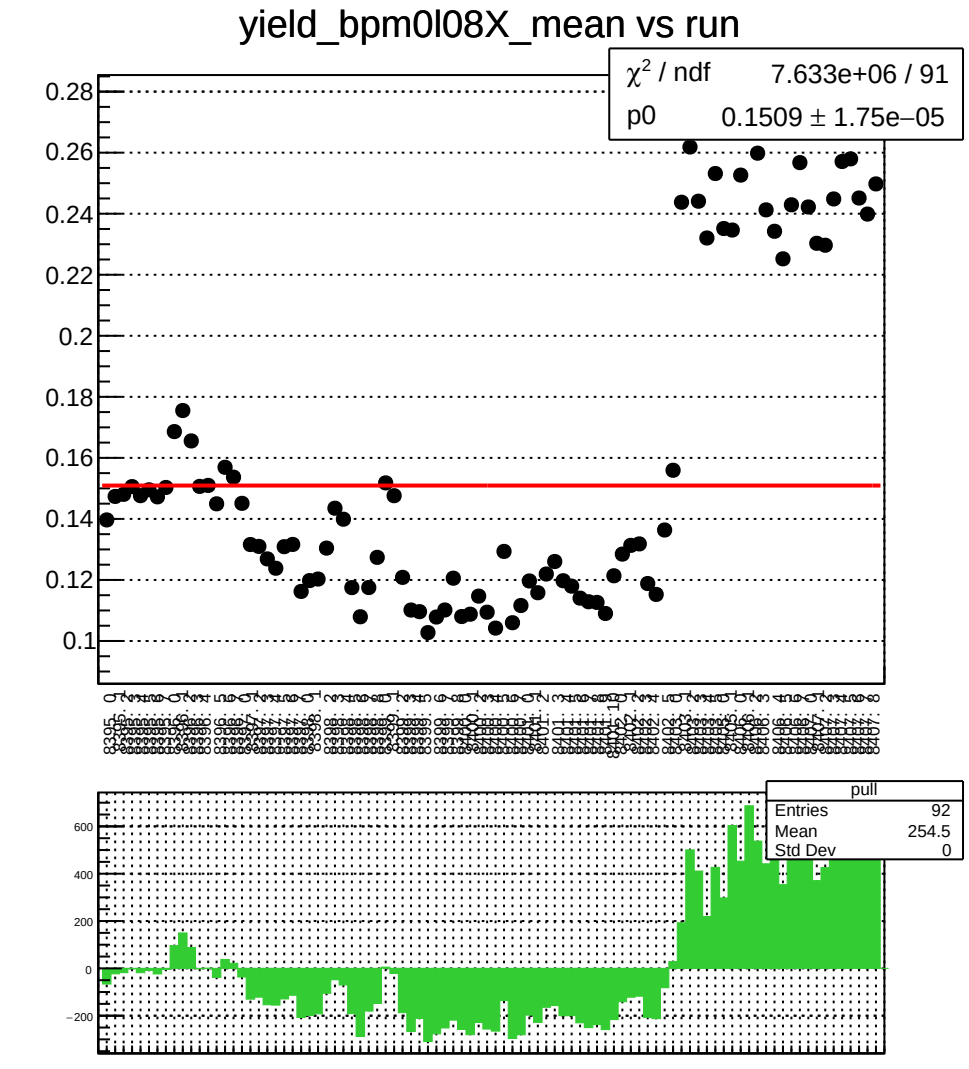

pull1D
Entries 92
Mean −2.97
Std Dev 1.444
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

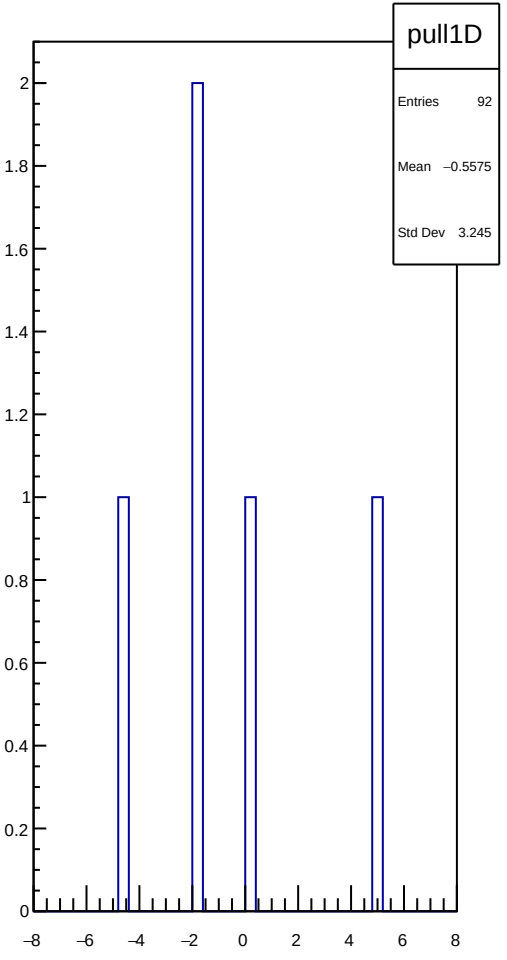

yield_bpm0l07X_rms vs run
χ² / ndf 3.561e+04 / 91
p0 0.01793 ± 1.38e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

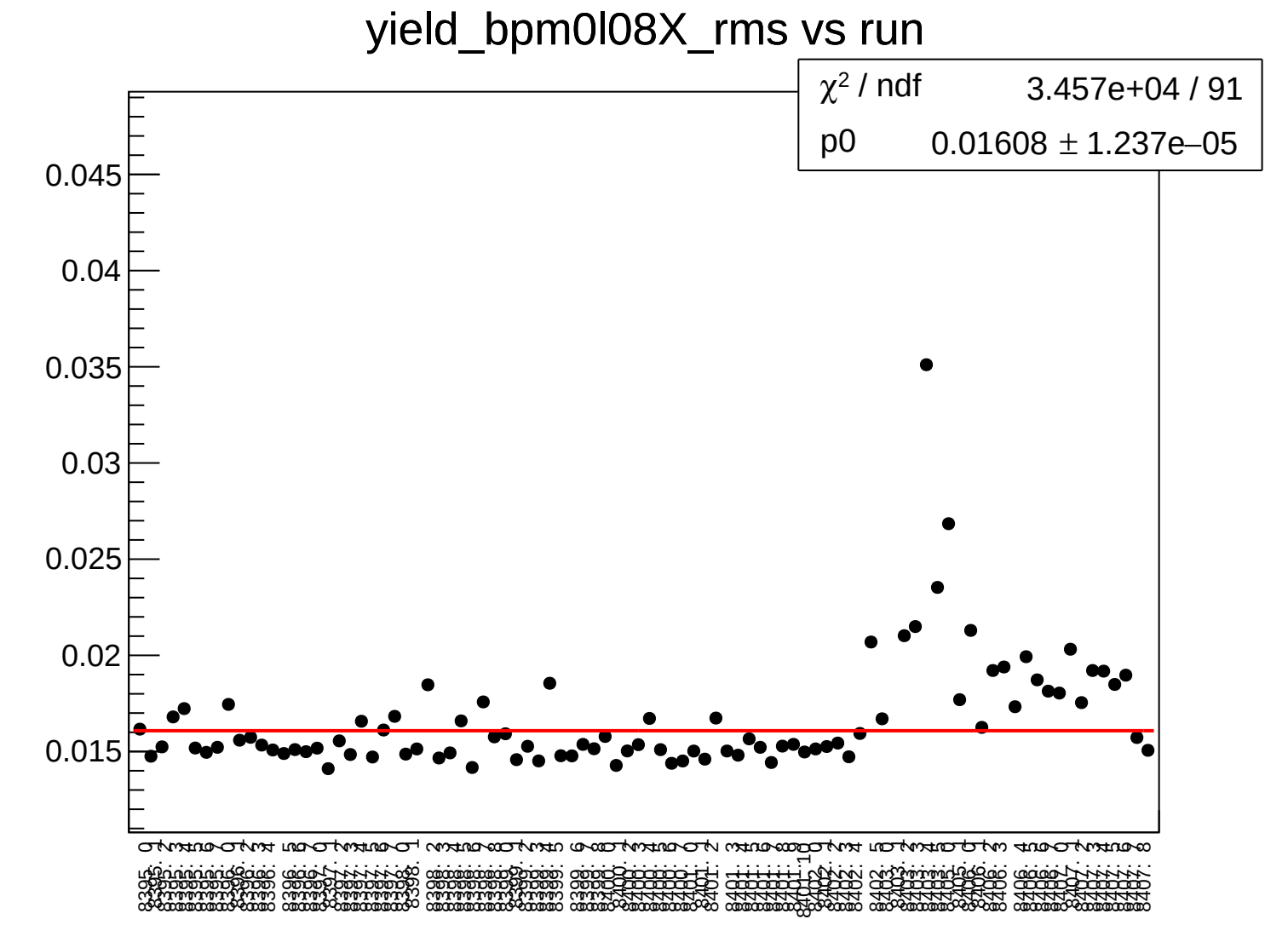

yield_bpm0l07Y_mean vs run
χ² / ndf 2.692e+06 / 91
p0 0.4588 ± 3.612e−06
0.47
0.465
0.46
0.455
0.45
0.445
pull
Entries 92
Mean 76.64
Std Dev 104.6
300
200
100
0
−100
−200
−300

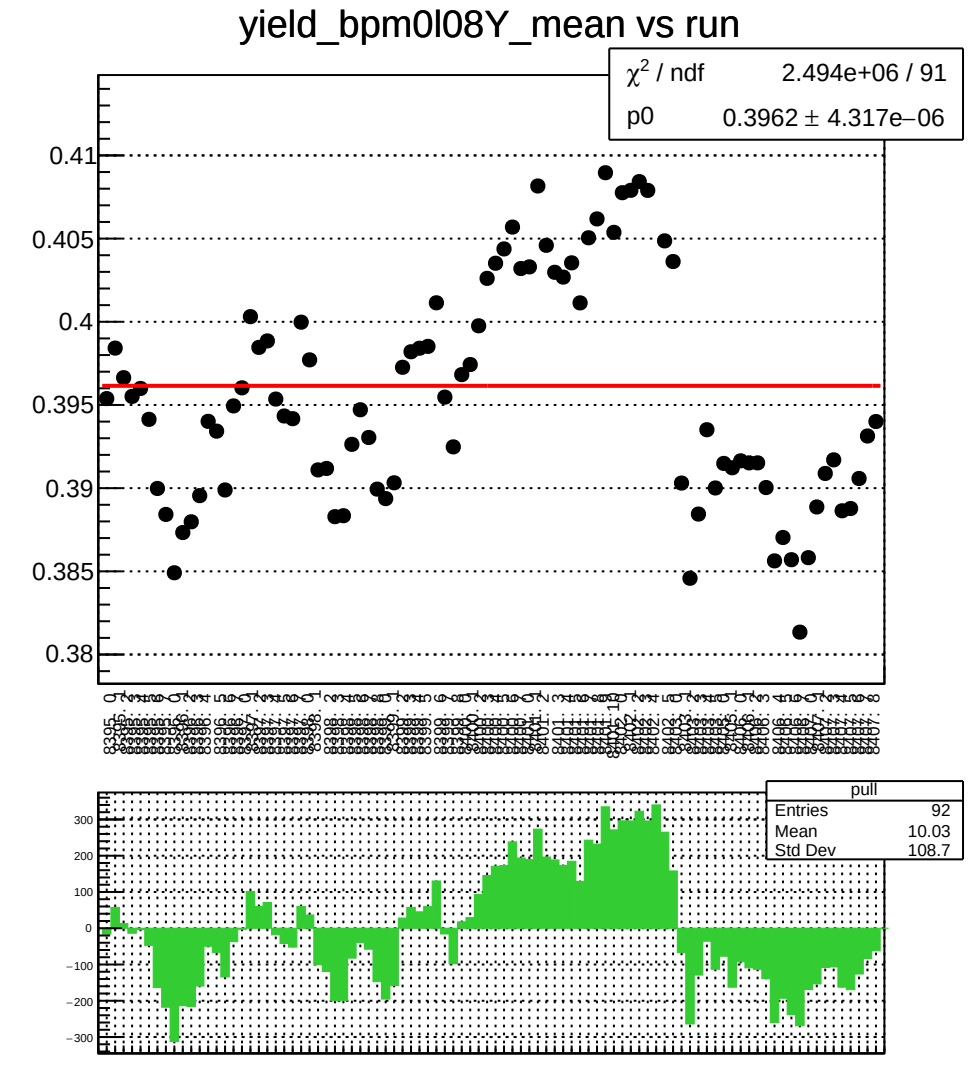

pull1D
Entries 92
Mean 3.437
Std Dev 2.081
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

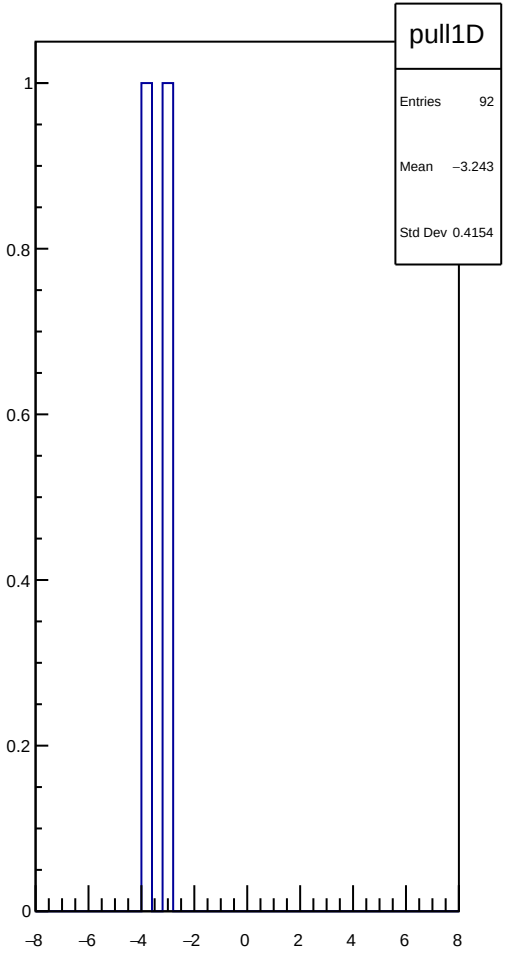

yield_bpm0l07Y_rms vs run
χ² / ndf 3.116e+04 / 91
p0 0.003322 ± 2.554e−06
0.007
0.006
0.005
0.004
0.003

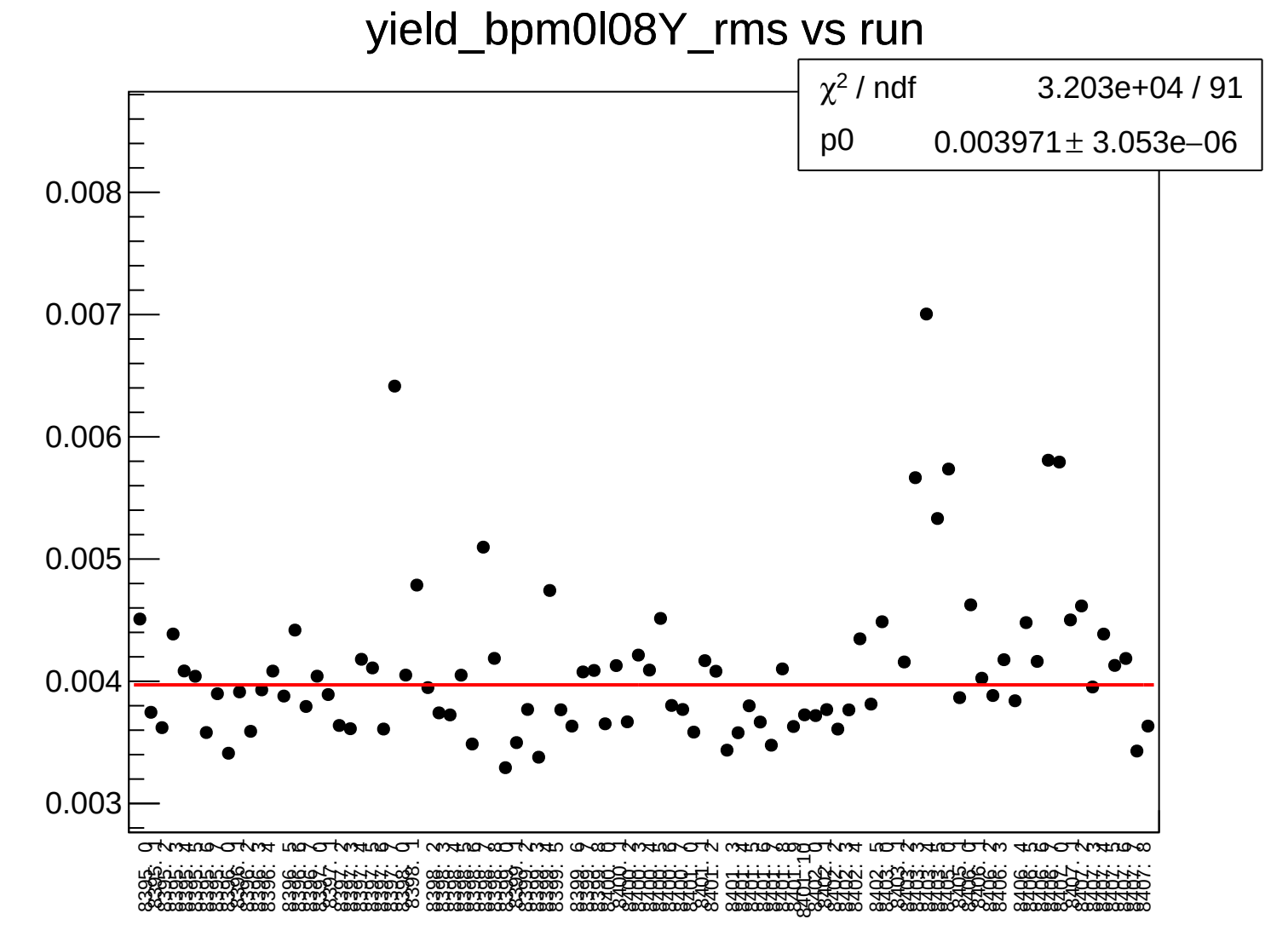

yield_bpm0l08X_mean vs run
χ² / ndf 7.633e+06 / 91
p0 0.1509 ± 1.75e−05
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
pull
Entries 92
Mean 254.5
Std Dev 0
600
400
200
0
−200

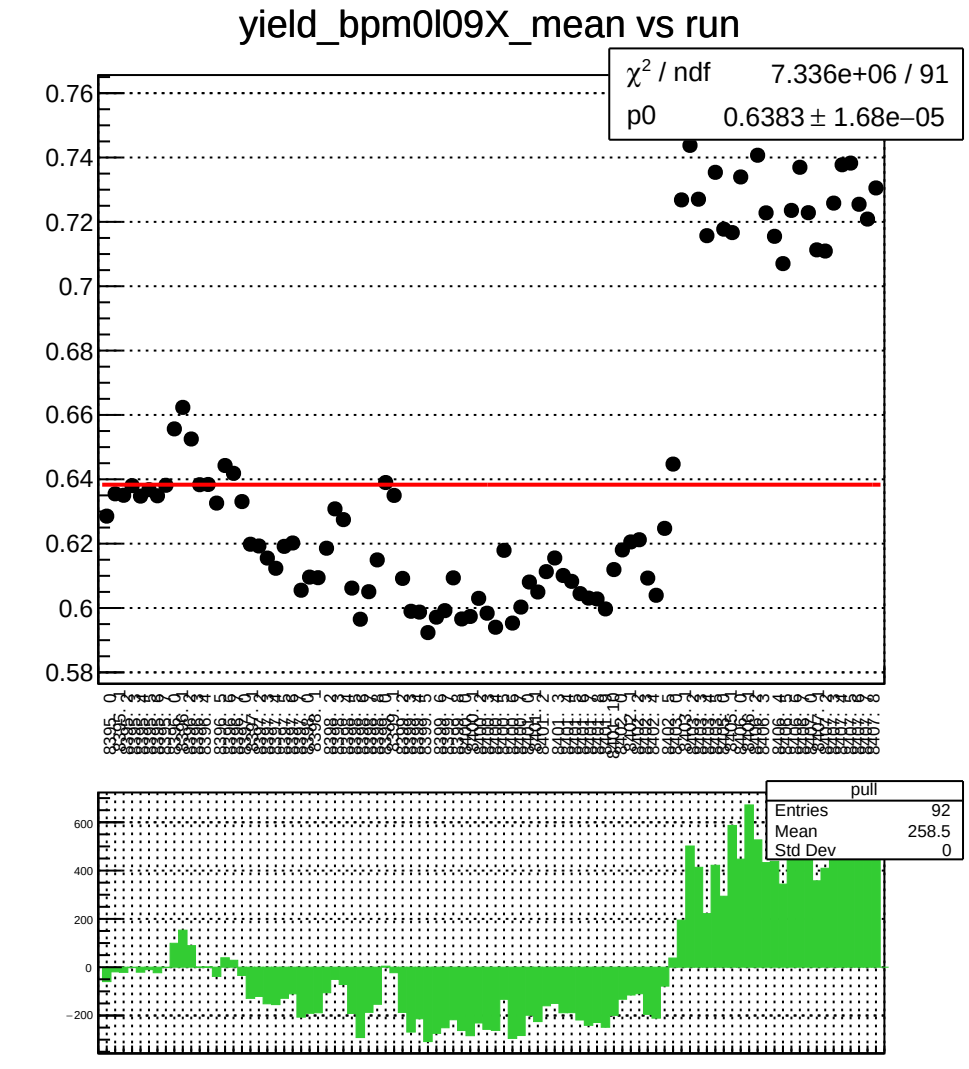

pull1D
Entries 92
Mean −0.5575
Std Dev 3.245
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

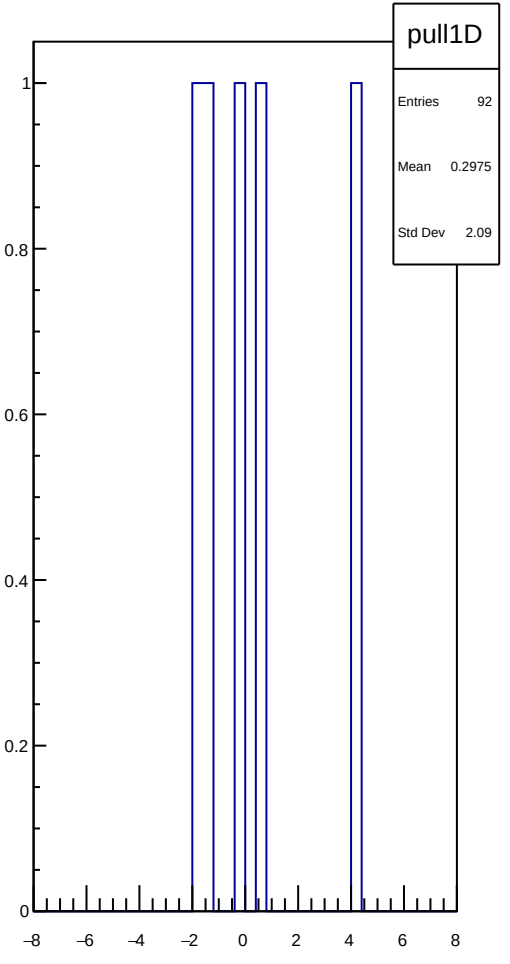

yield_bpm0l08X_rms vs run
χ² / ndf 3.457e+04 / 91
p0 0.01608 ± 1.237e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

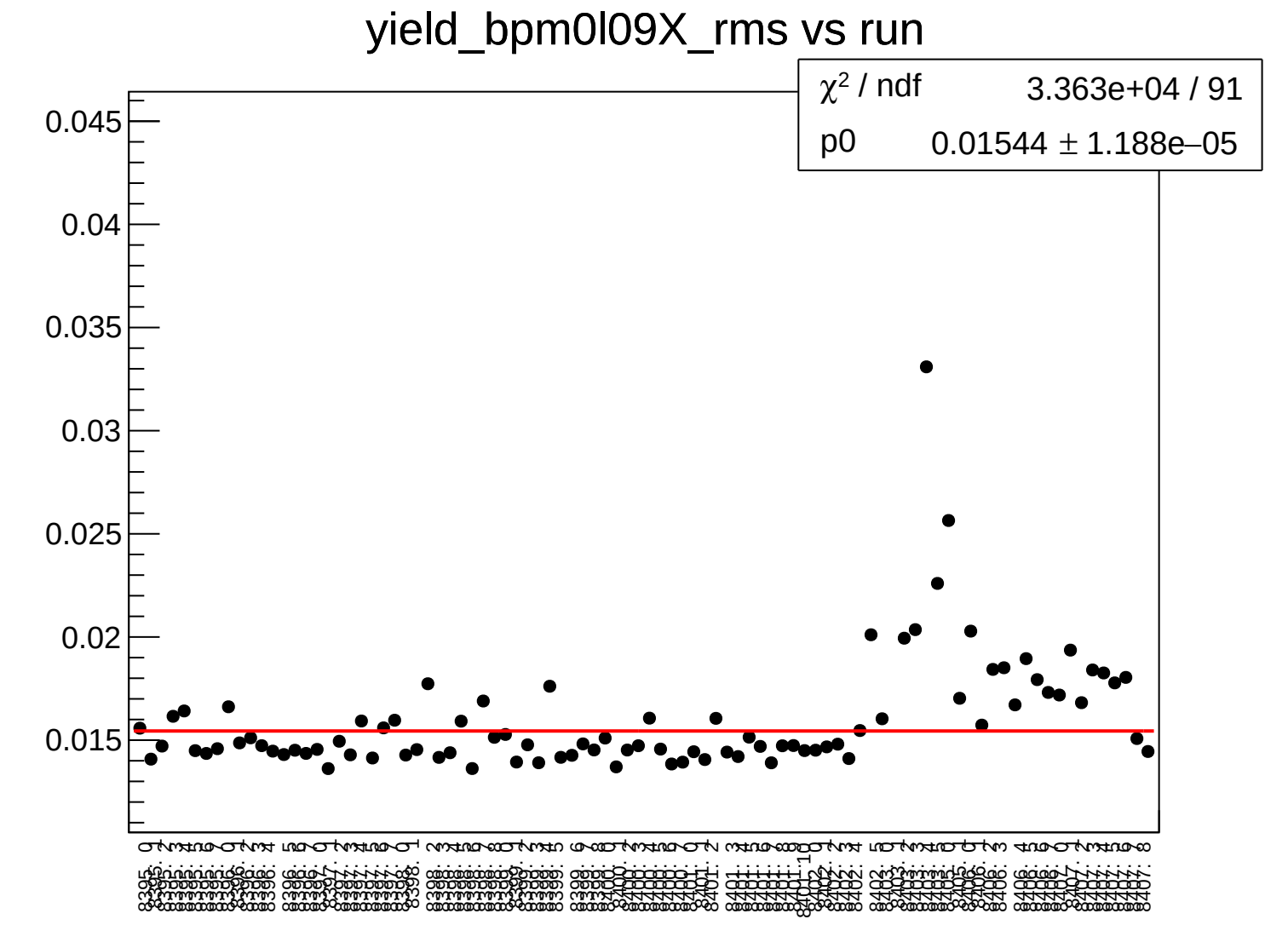

yield_bpm0l08Y_mean vs run
χ² / ndf 2.494e+06 / 91
p0 0.3962 ± 4.317e−06
0.41
0.405
0.4
0.395
0.39
0.385
0.38
pull
Entries 92
Mean 10.03
Std Dev 108.7
300
200
100
0
−100
−200
−300

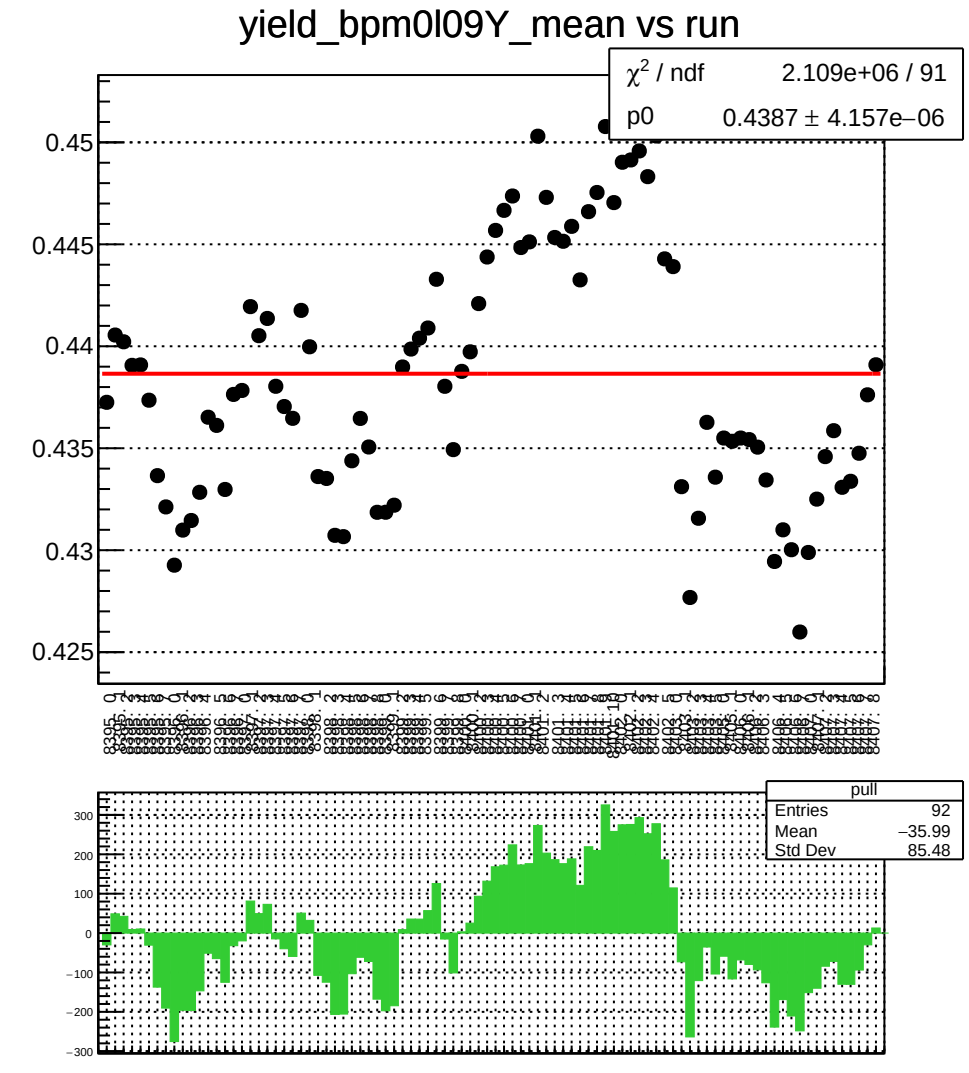

pull1D
Entries 92
Mean −3.243
Std Dev 0.4154
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

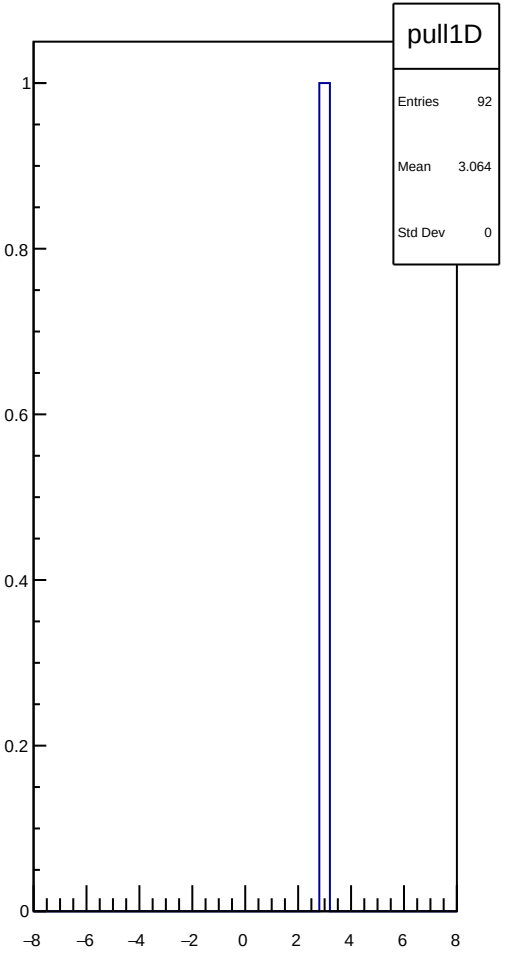

yield_bpm0l08Y_rms vs run
χ² / ndf 3.203e+04 / 91
p0 0.003971 ± 3.053e−06
0.008
0.007
0.006
0.005
0.004
0.003

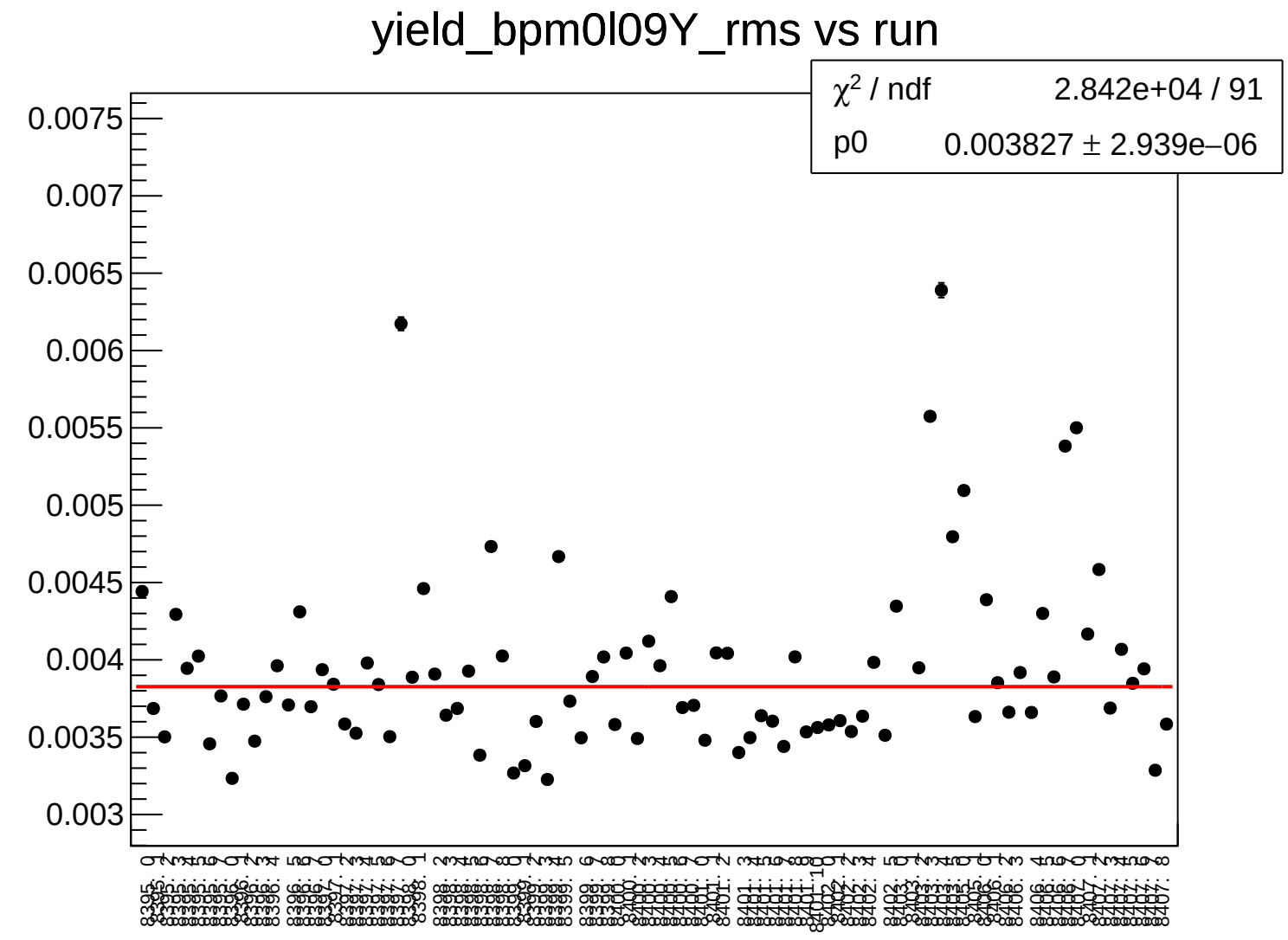

yield_bpm0l09X_mean vs run
χ² / ndf 7.336e+06 / 91
p0 0.6383 ± 1.68e−05
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
pull
Entries 92
Mean 258.5
Std Dev 0
600
400
200
0
−200

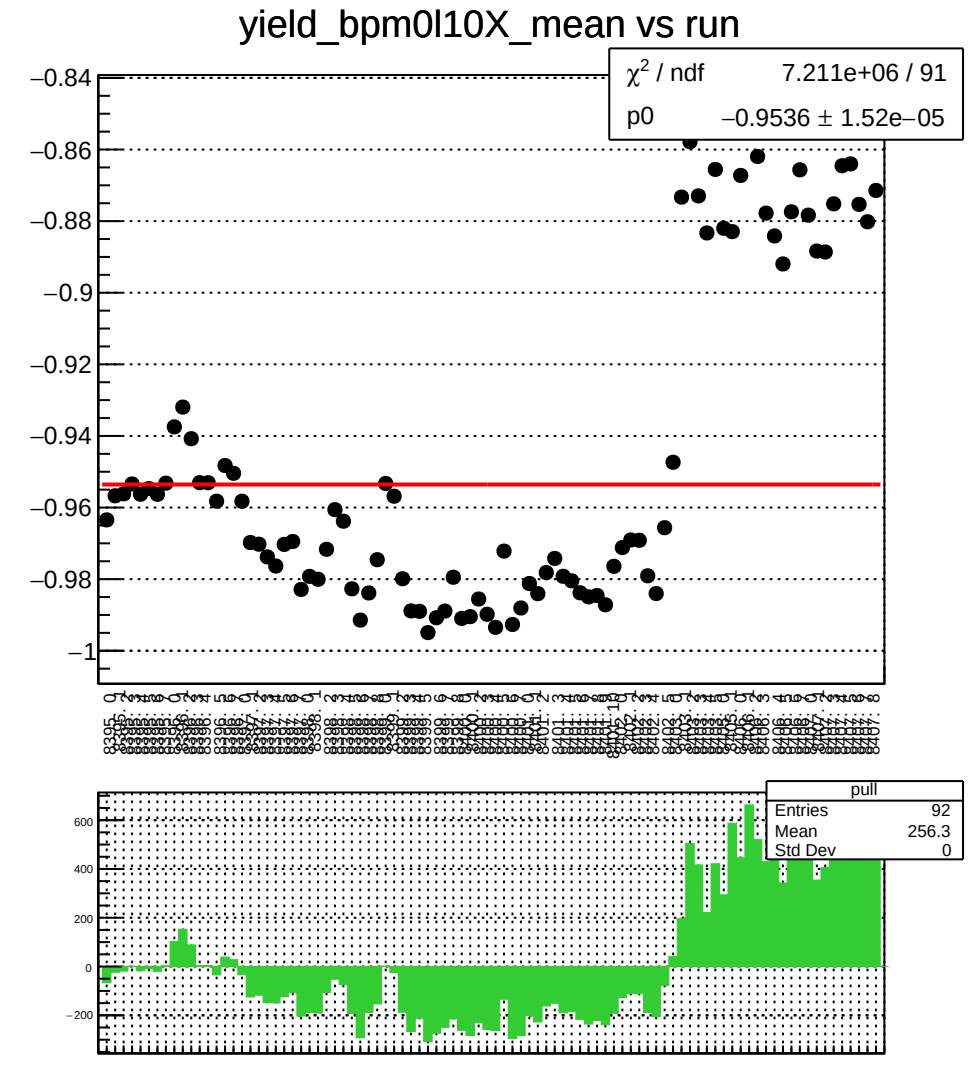

pull1D
Entries 92
Mean 0.2975
Std Dev 2.09
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

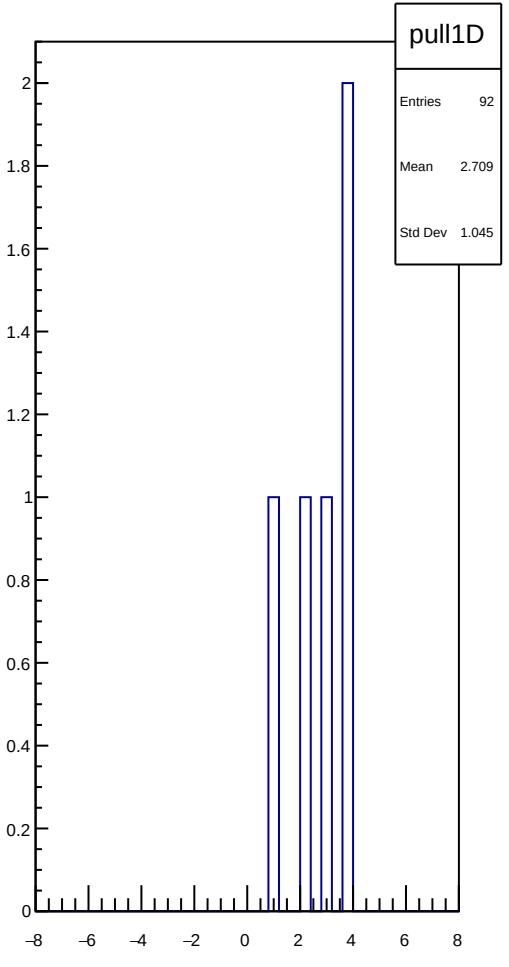

yield_bpm0l09X_rms vs run
χ² / ndf 3.363e+04 / 91
p0 0.01544 ± 1.188e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

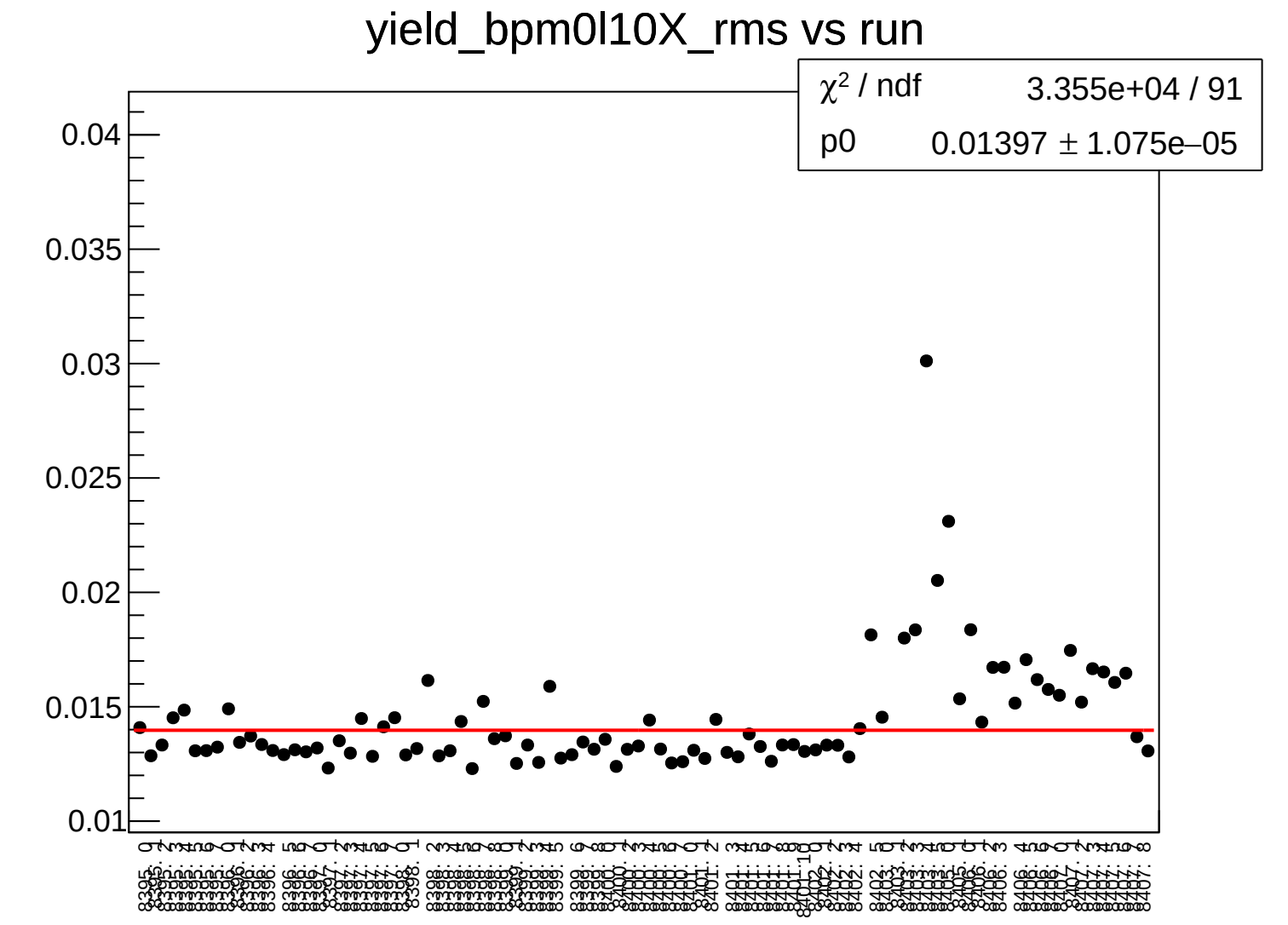

yield_bpm0l09Y_mean vs run
χ² / ndf 2.109e+06 / 91
p0 0.4387 ± 4.157e−06
0.45
0.445
0.44
0.435
0.43
0.425
pull
Entries 92
Mean −35.99
Std Dev 85.48
300
200
100
0
−100
−200
−300

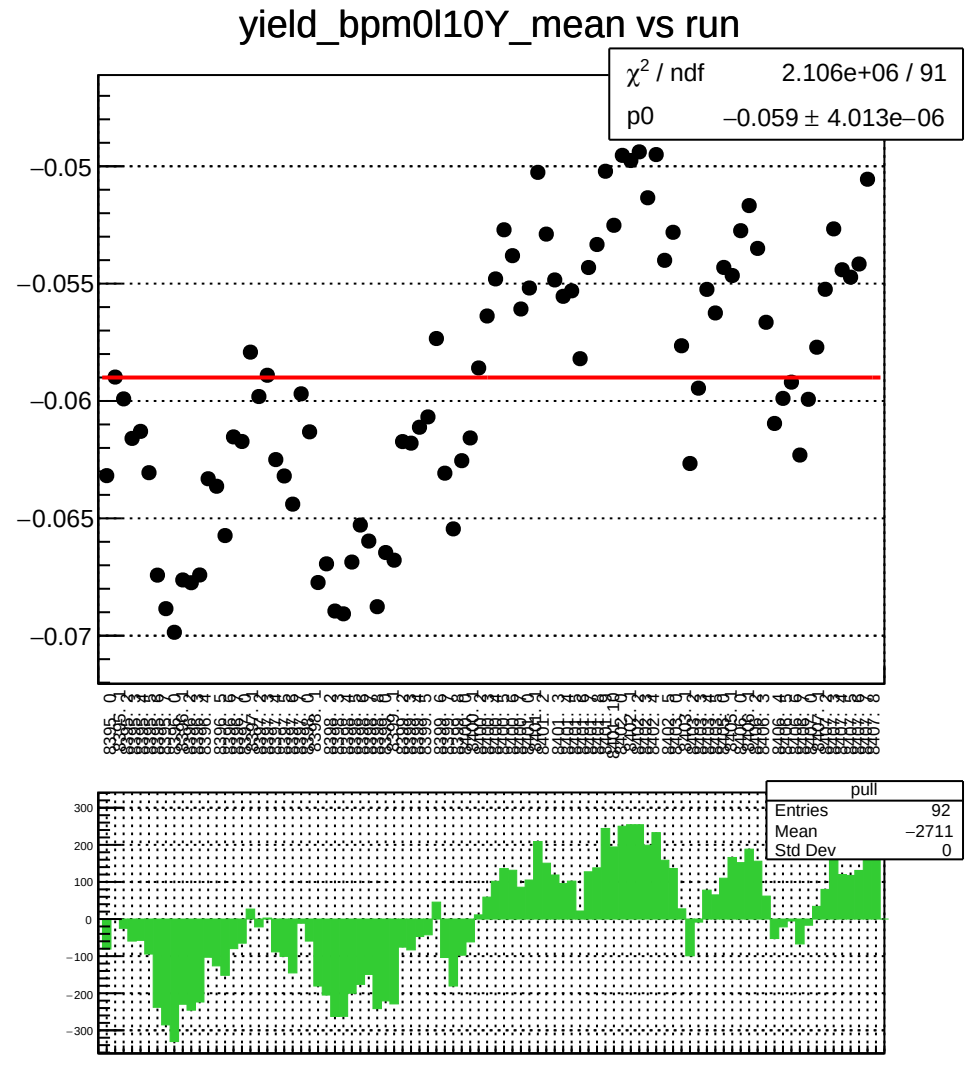

pull1D
Entries 92
Mean 3.064
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

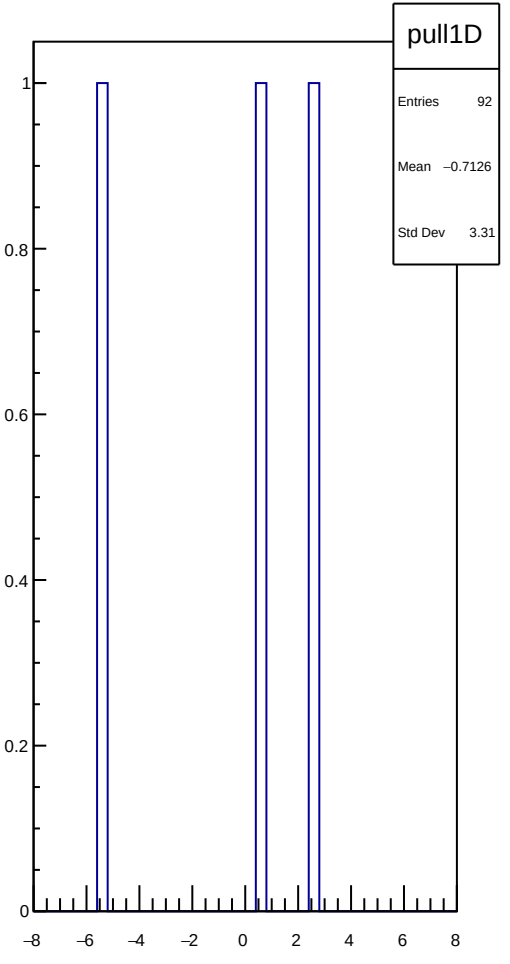

yield_bpm0l09Y_rms vs run
χ² / ndf 2.842e+04 / 91
p0 0.003827 ± 2.939e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

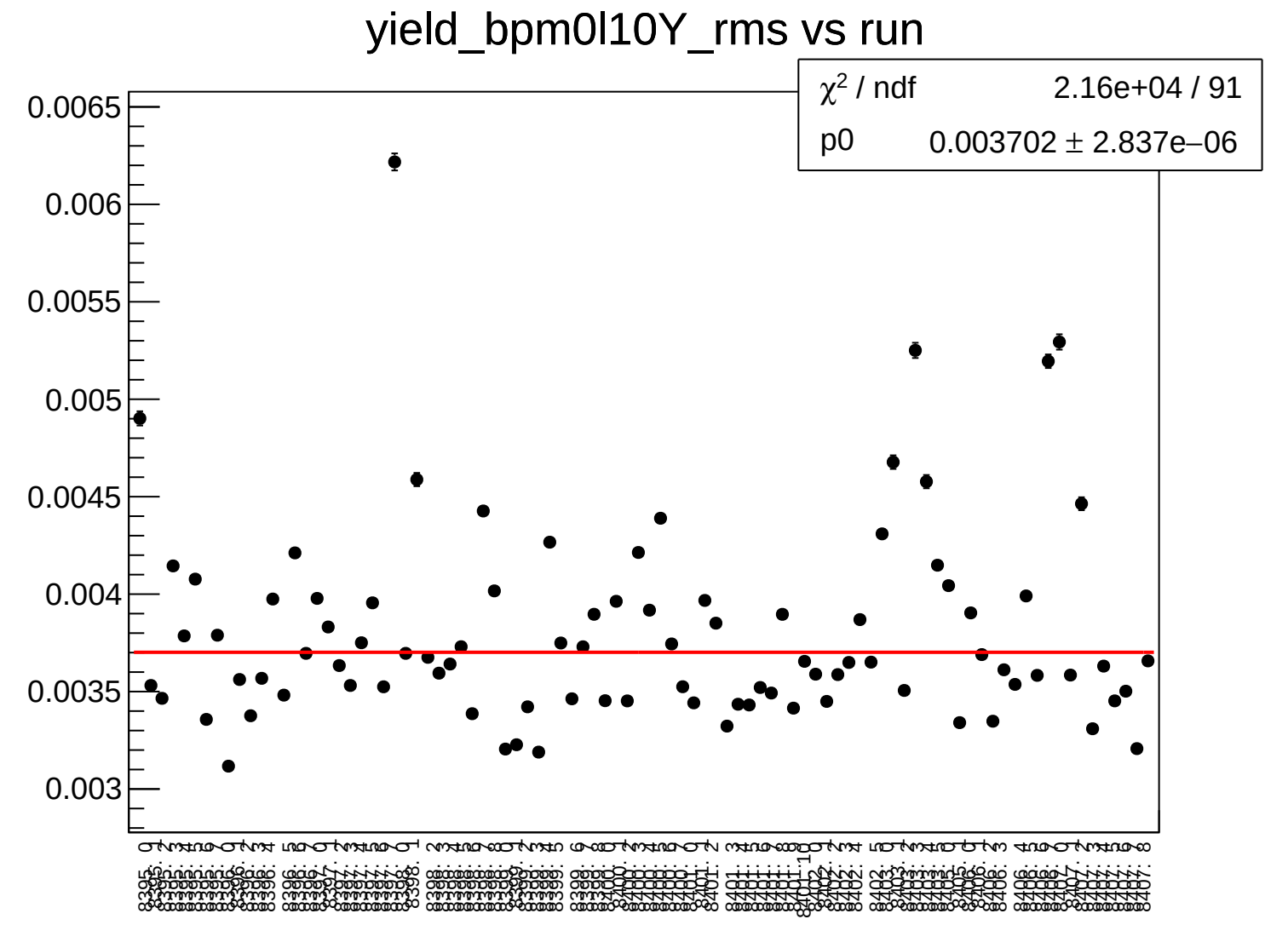

yield_bpm0l10X_mean vs run
χ² / ndf 7.211e+06 / 91
p0 −0.9536 ± 1.52e−05
−0.84
−0.86
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
−1
pull
Entries 92
Mean 256.3
Std Dev 0
600
400
200
0
−200

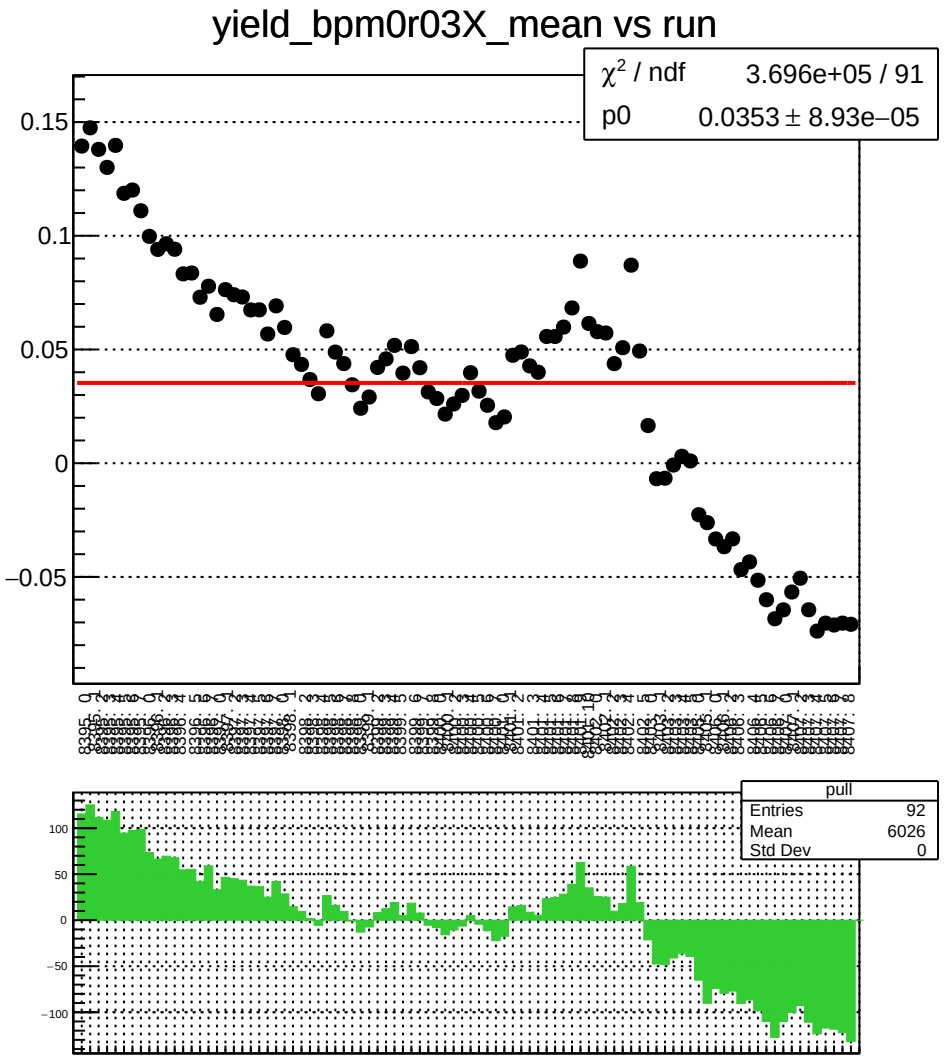

pull1D
Entries 92
Mean 2.709
Std Dev 1.045
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

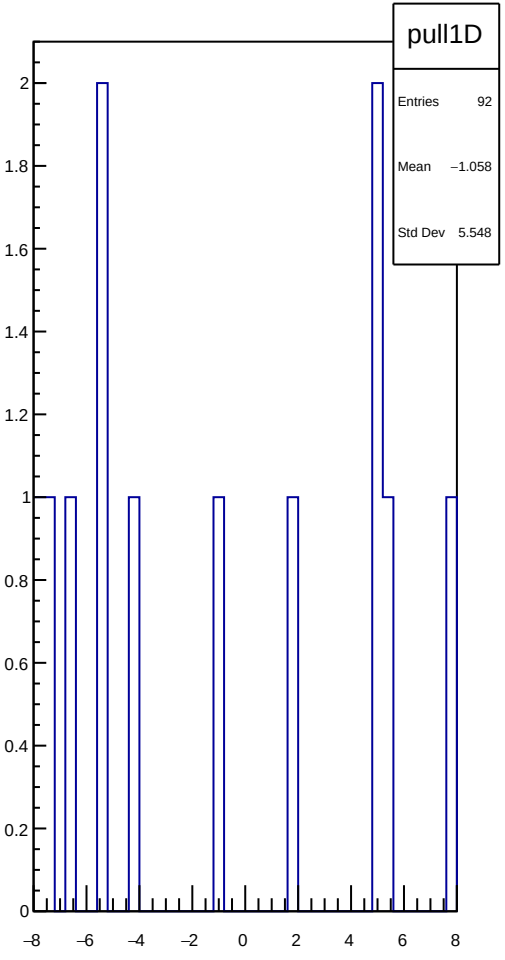

yield_bpm0l10X_rms vs run
χ² / ndf 3.355e+04 / 91
p0 0.01397 ± 1.075e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

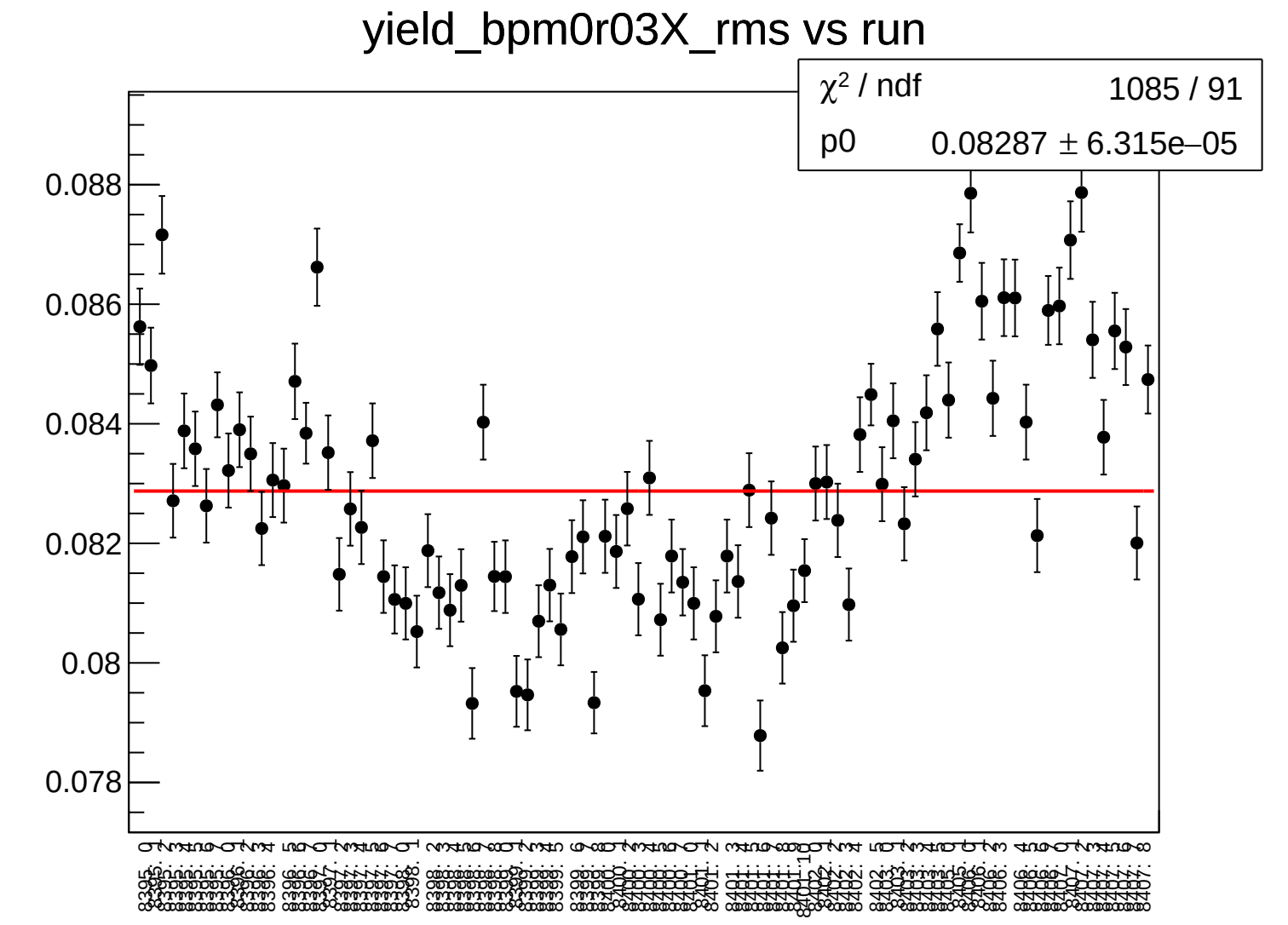

yield_bpm0l10Y_mean vs run
χ² / ndf 2.106e+06 / 91
p0 −0.059 ± 4.013e−06
−0.05
−0.055
−0.06
−0.065
−0.07
pull
Entries 92
Mean −2711
Std Dev 0
300
200
100
0
−100
−200
−300

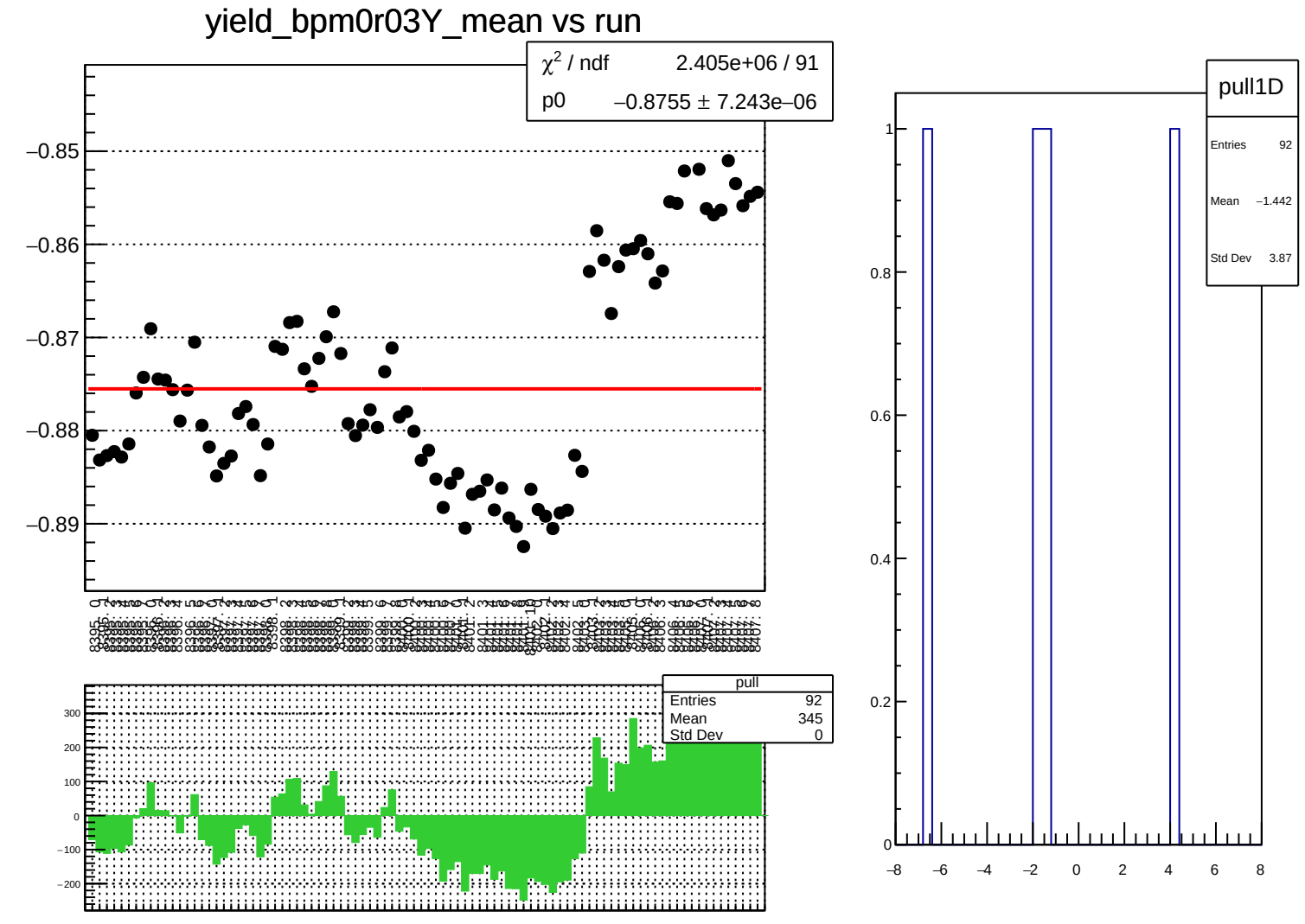

pull1D
Entries 92
Mean −0.7126
Std Dev 3.31
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

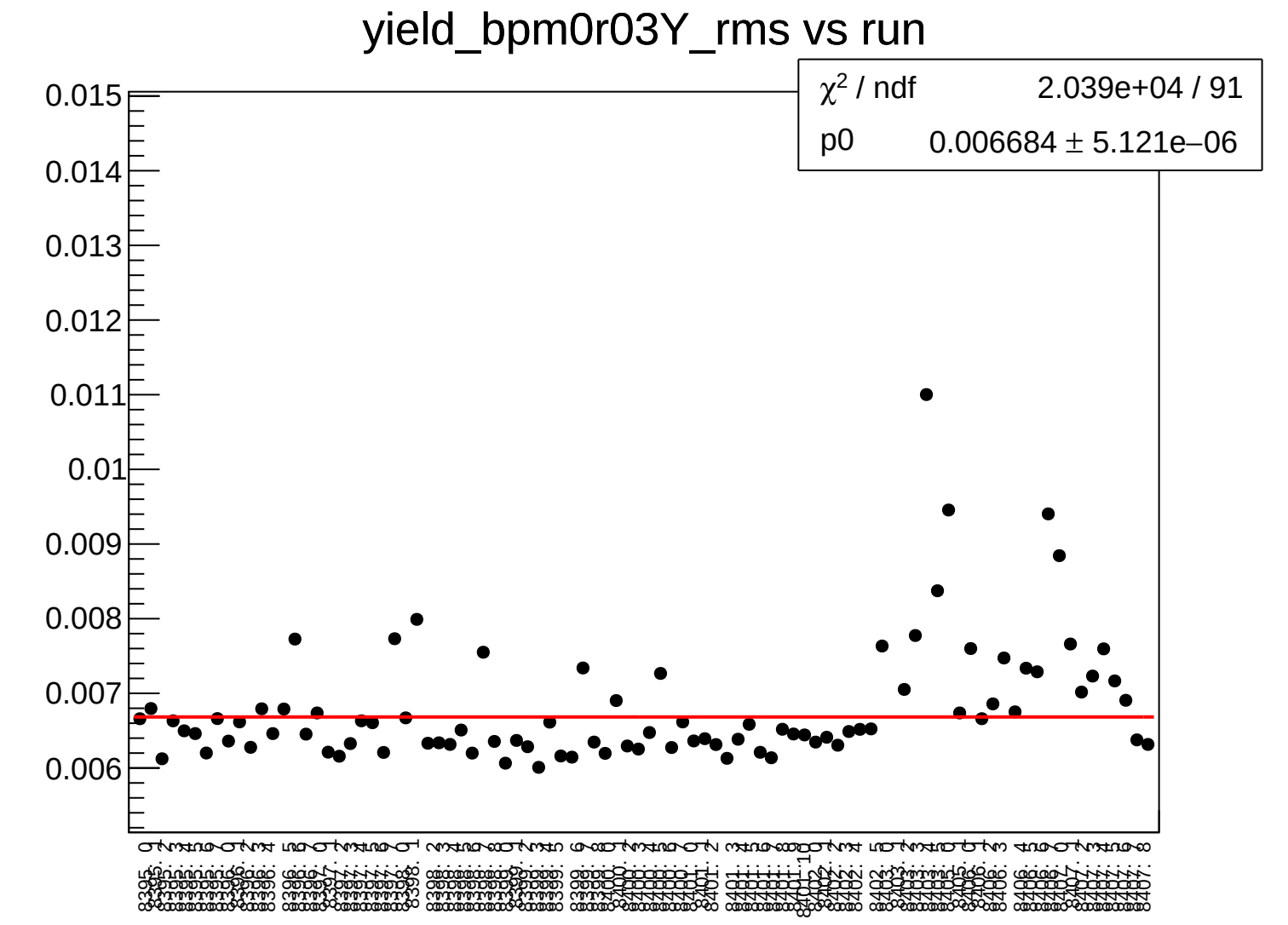

yield_bpm0l10Y_rms vs run
χ² / ndf 2.16e+04 / 91
p0 0.003702 ± 2.837e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

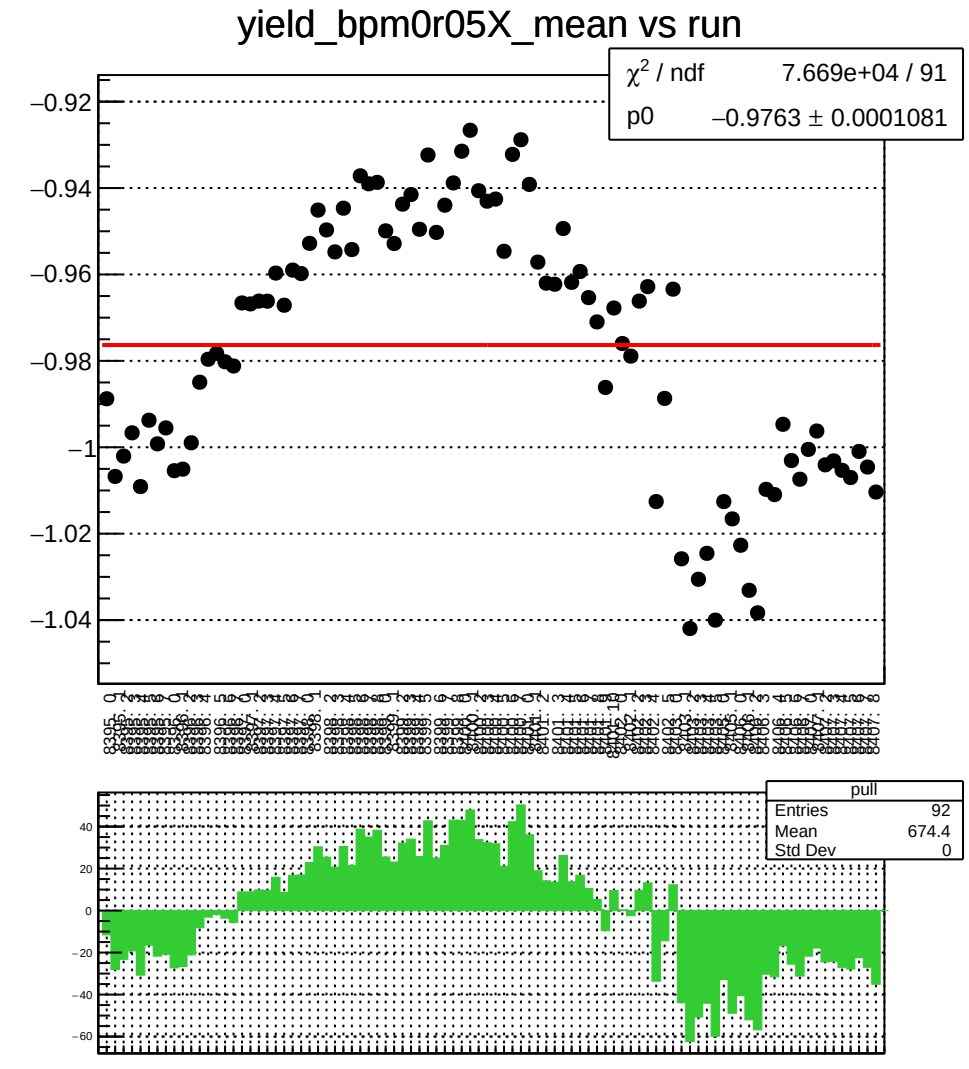

yield_bpm0r03X_mean vs run
χ² / ndf 3.696e+05 / 91
p0 0.0353 ± 8.93e−05
0.15
0.1
0.05
0
−0.05
pull
Entries 92
Mean 6026
Std Dev 0
100
50
0
−50
−100

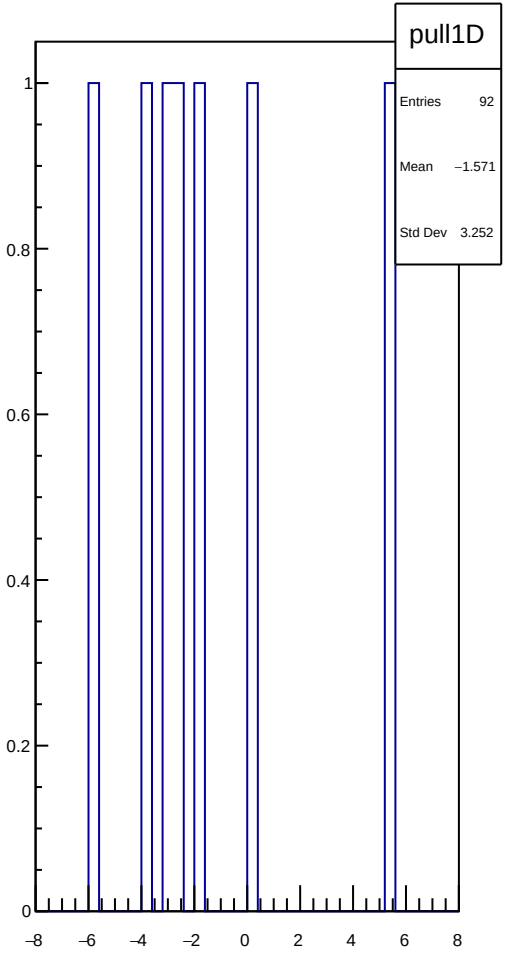

pull1D
Entries 92
Mean −1.058
Std Dev 5.548
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

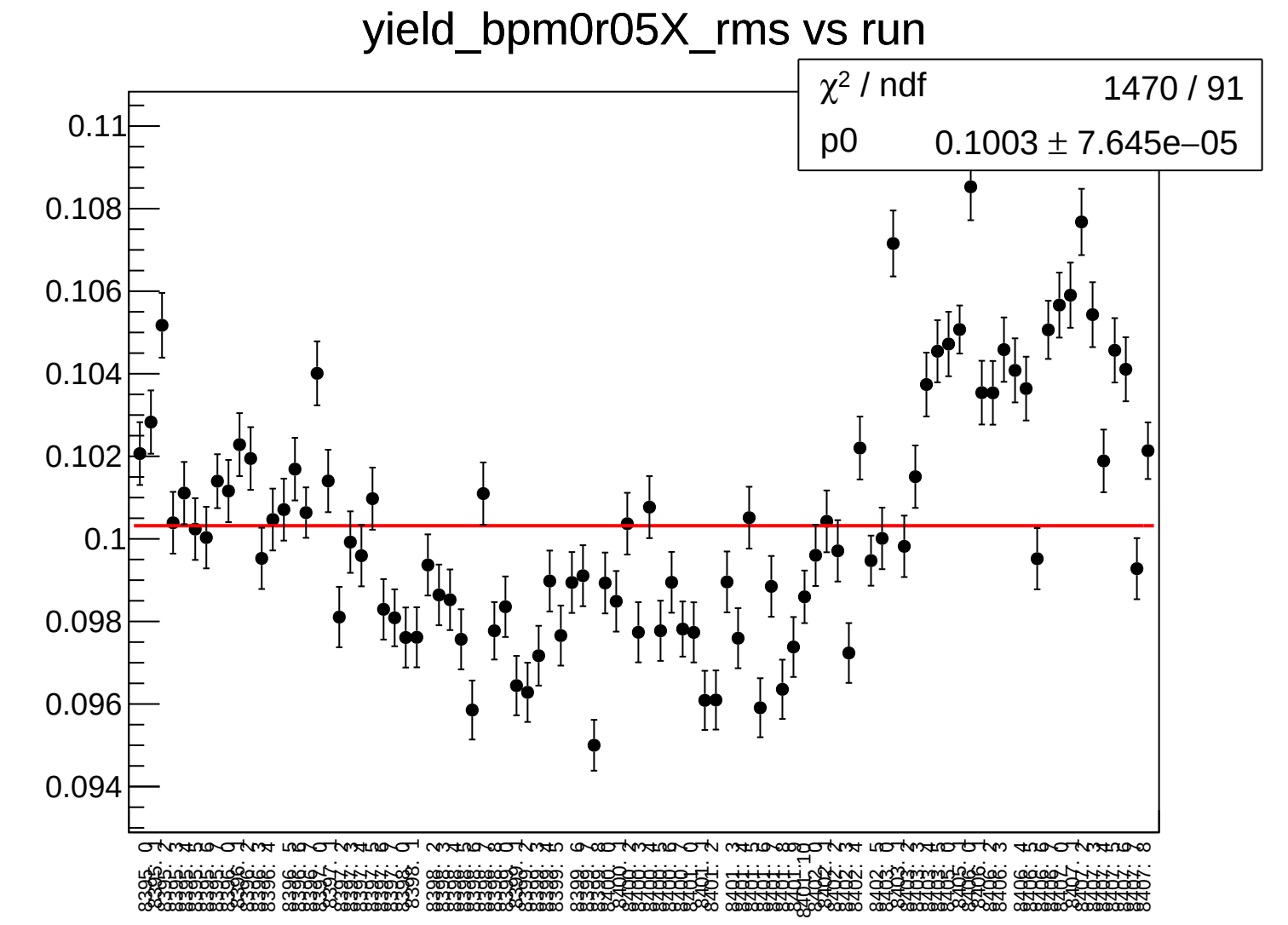

yield_bpm0r03X_rms vs run
χ² / ndf 1085 / 91
p0 0.08287 ± 6.315e−05
0.088
0.086
0.084
0.082
0.08
0.078

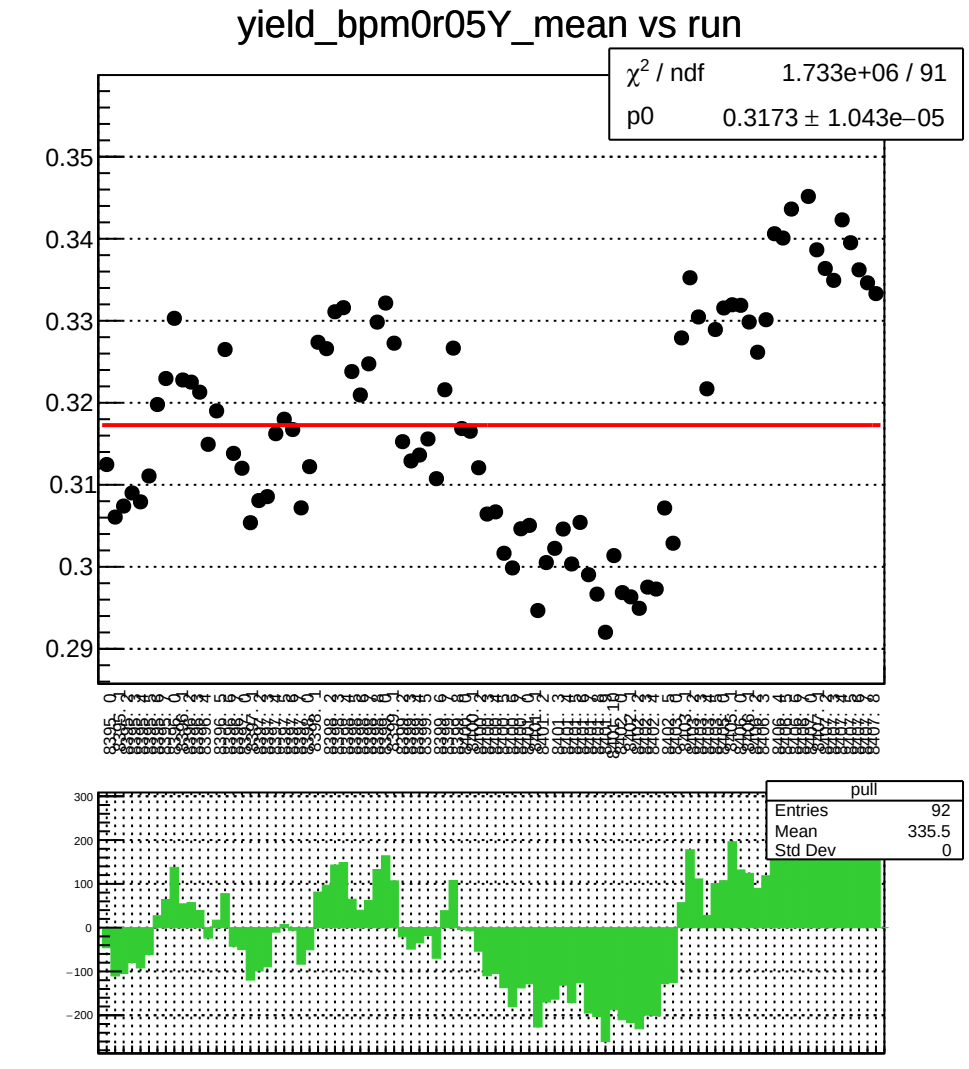

yield_bpm0r03Y_mean vs run
χ² / ndf 2.405e+06 / 91
p0 −0.8755 ± 7.243e−06
−0.85
−0.86
−0.87
−0.88
−0.89
pull
Entries 92
Mean 345
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 92
Mean −1.442
Std Dev 3.87
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

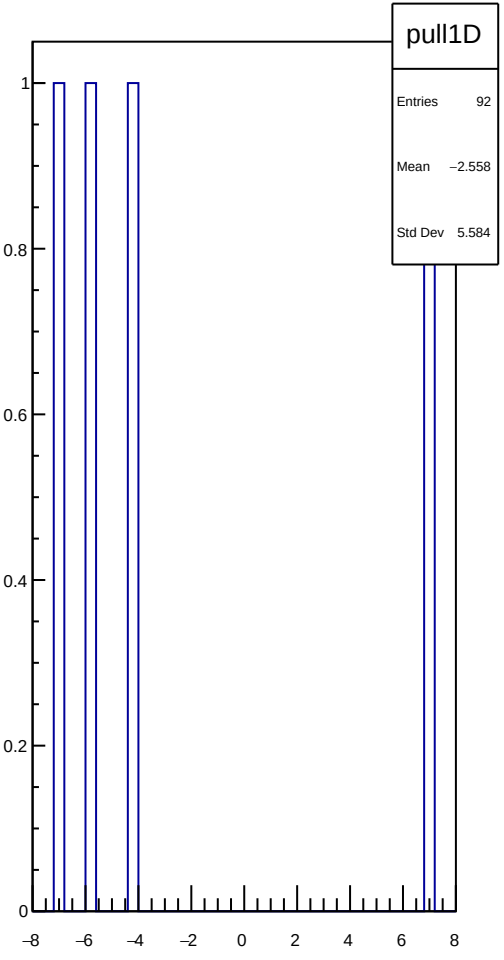

yield_bpm0r03Y_rms vs run
χ² / ndf 2.039e+04 / 91
p0 0.006684 ± 5.121e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

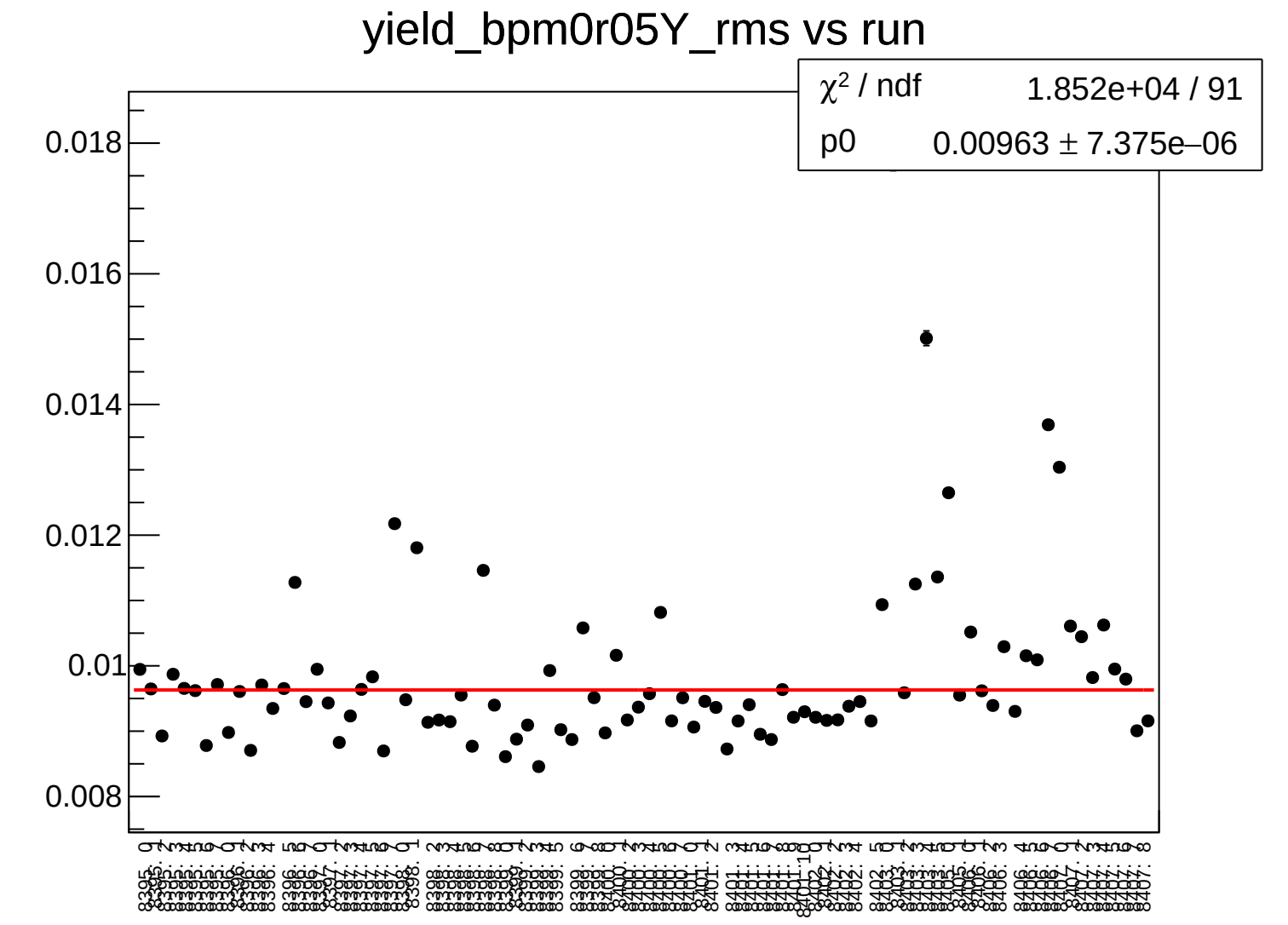

yield_bpm0r05X_mean vs run
χ² / ndf 7.669e+04 / 91
p0 −0.9763 ± 0.0001081
−0.92
−0.94
−0.96
−0.98
−1
−1.02
−1.04
pull
Entries 92
Mean 674.4
Std Dev 0
40
20
0
−20
−40
−60

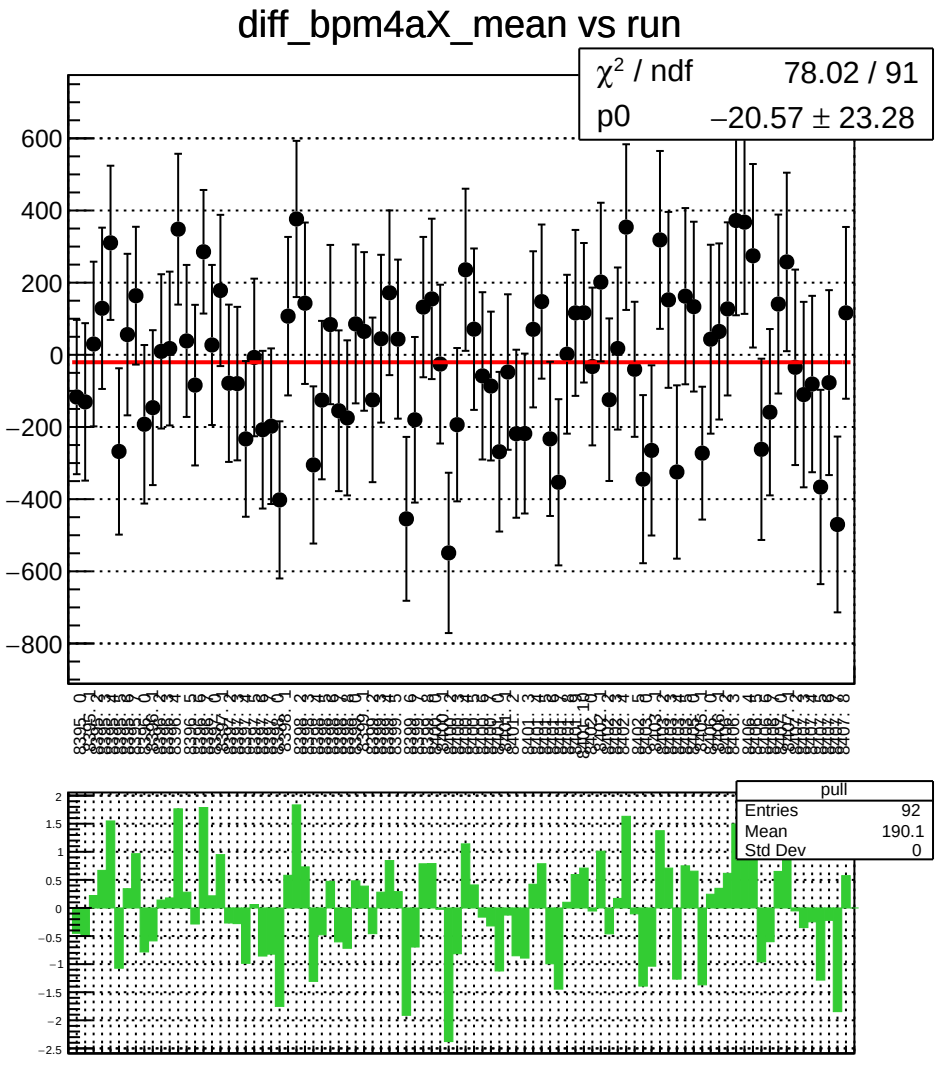

pull1D
Entries 92
Mean −1.571
Std Dev 3.252
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

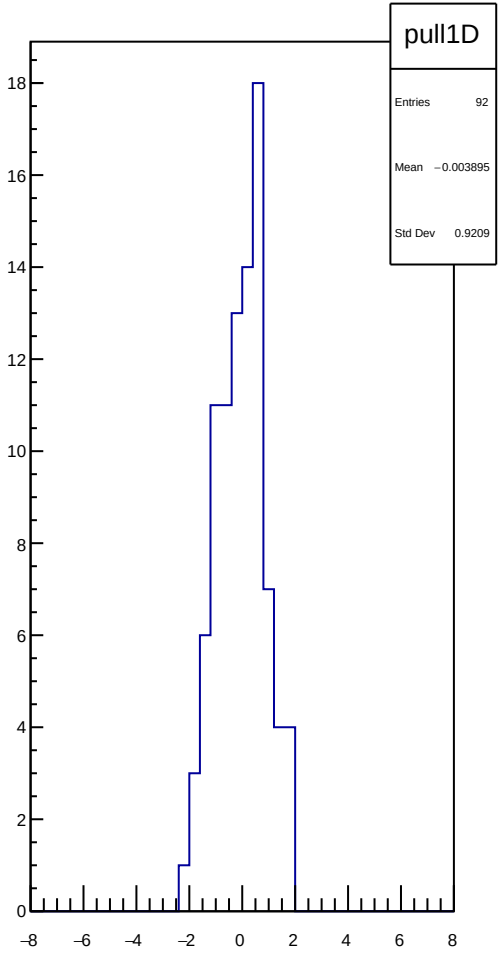

yield_bpm0r05X_rms vs run
χ² / ndf 1470 / 91
p0 0.1003 ± 7.645e−05
0.11
0.108
0.106
0.104
0.102
0.1
0.098
0.096
0.094

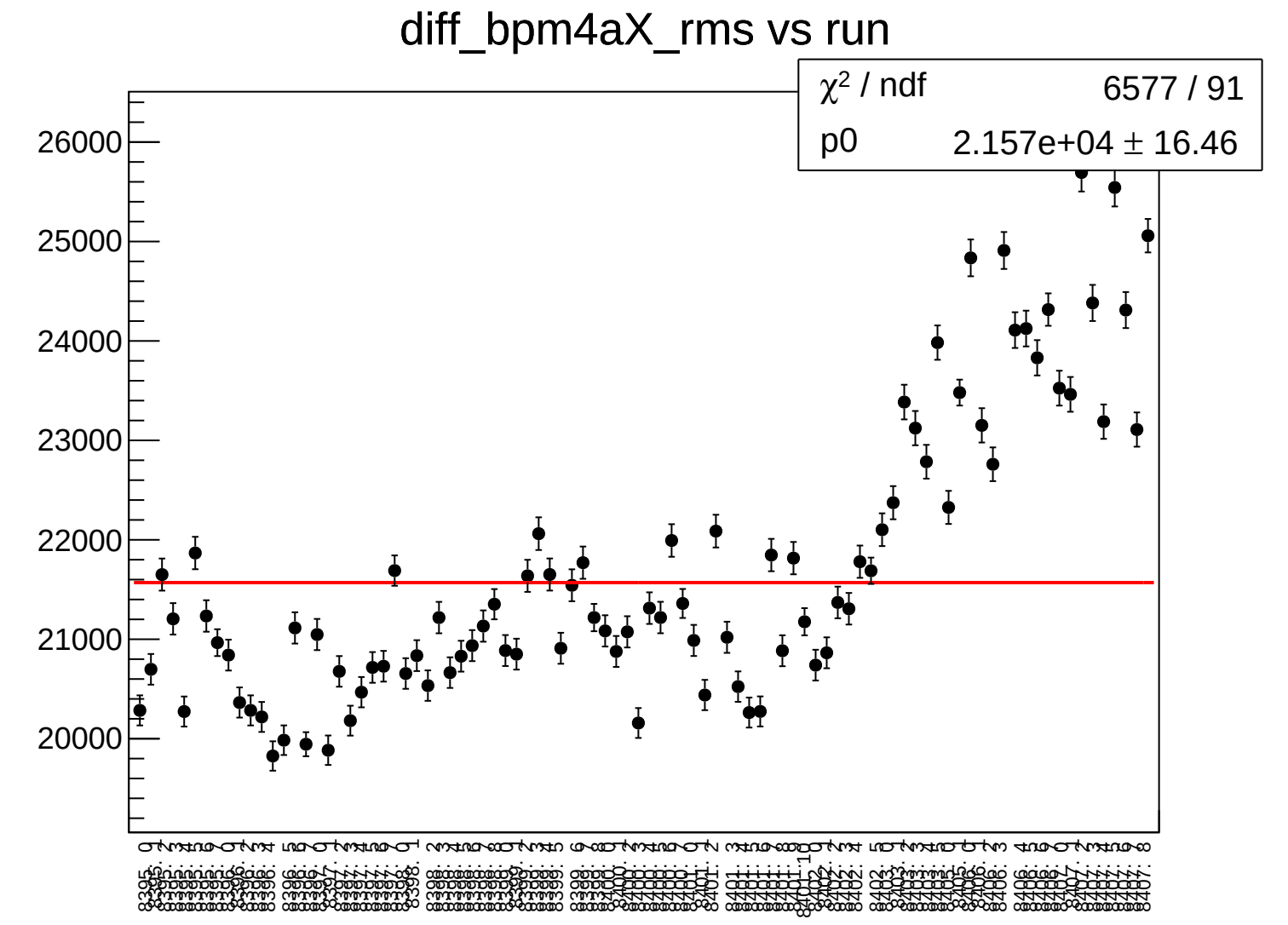

yield_bpm0r05Y_mean vs run
χ² / ndf 1.733e+06 / 91
p0 0.3173 ± 1.043e−05
0.35
0.34
0.33
0.32
0.31
0.3
0.29
pull
Entries 92
Mean 335.5
Std Dev 0
300
200
100
0
−100
−200

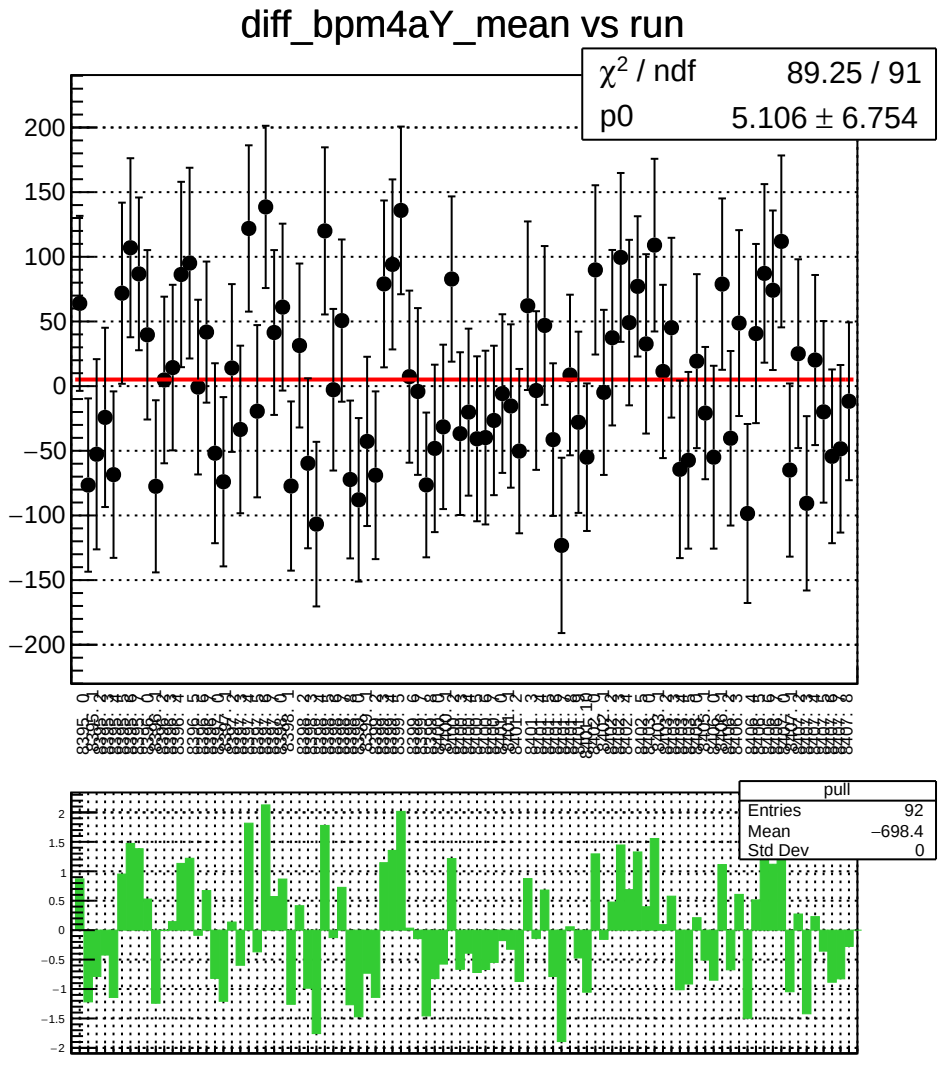

pull1D
Entries 92
Mean −2.558
Std Dev 5.584
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

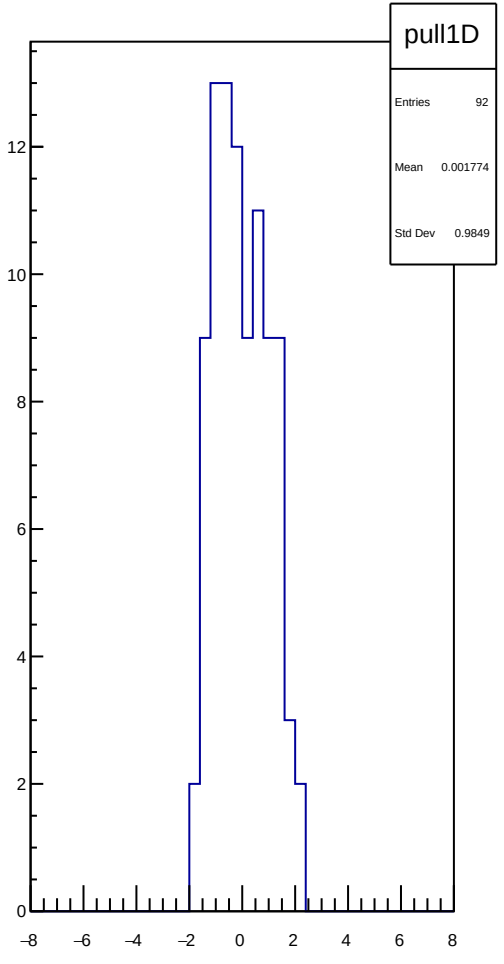

yield_bpm0r05Y_rms vs run
χ² / ndf 1.852e+04 / 91
p0 0.00963 ± 7.375e–06
0.018
0.016
0.014
0.012
0.01
0.008

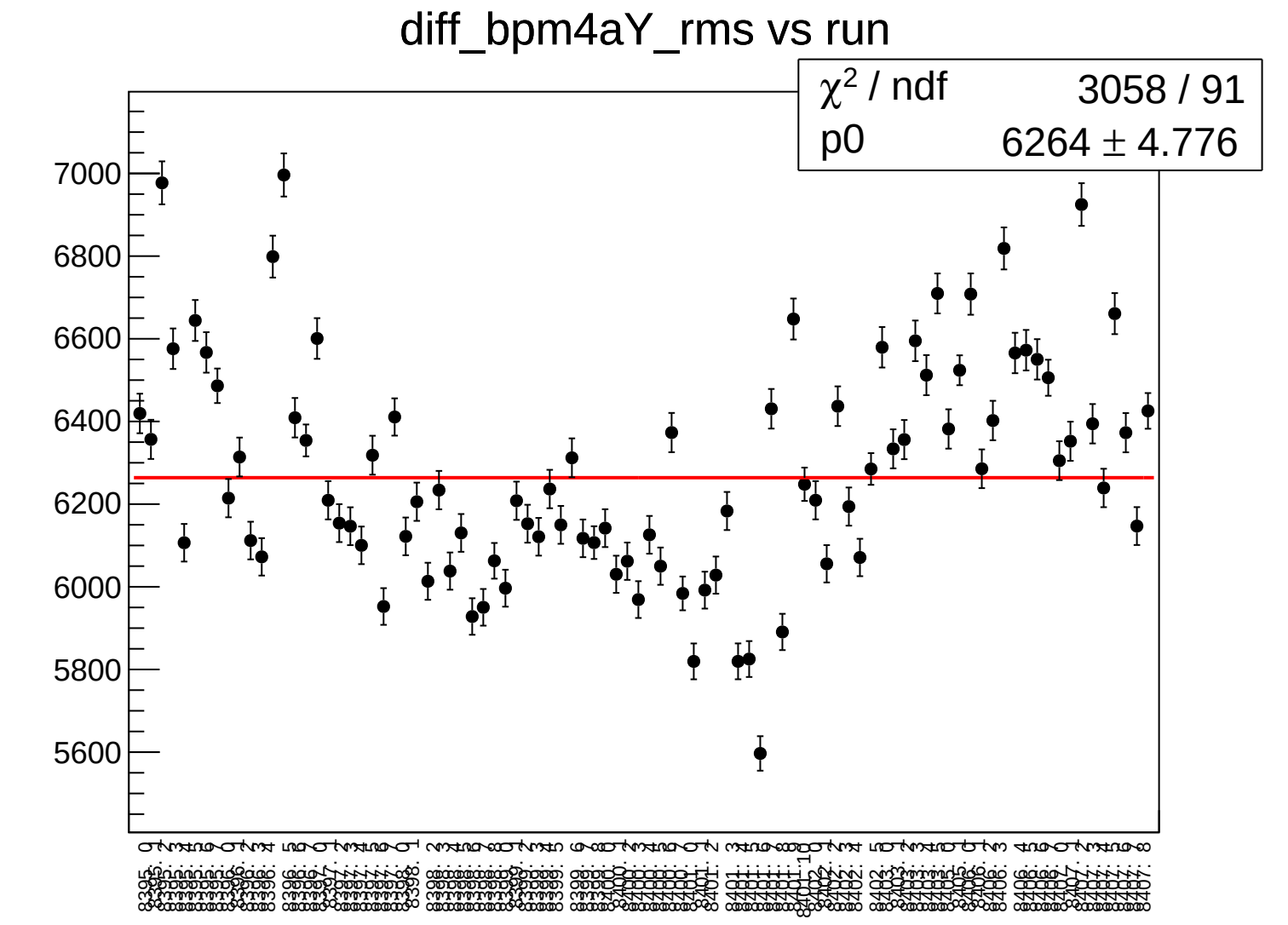

diff_bpm4aX_mean vs run
χ² / ndf 78.02 / 91
p0 −20.57 ± 23.28
pull
Entries 92
Mean 190.1
Std Dev 0

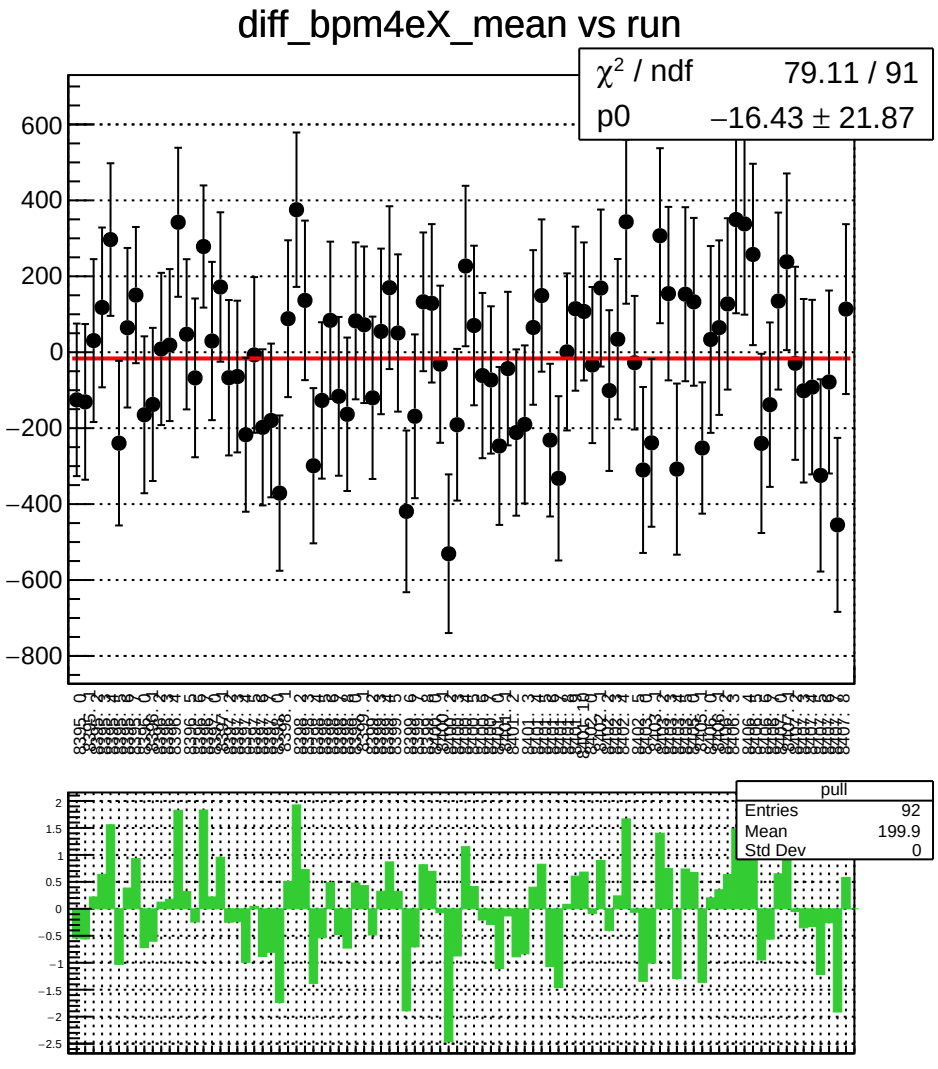

pull1D
Entries 92
Mean −0.003895
Std Dev 0.9209

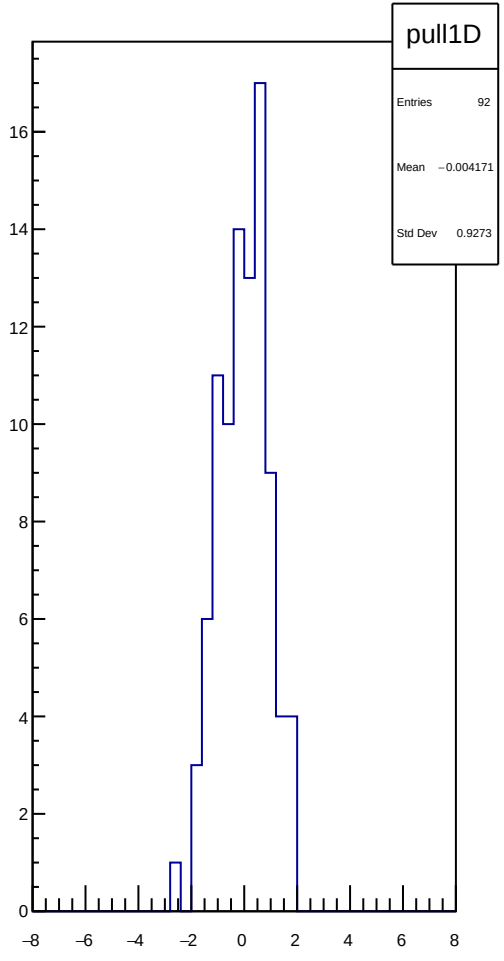

diff_bpm4aX_rms vs run
χ² / ndf 6577 / 91
p0 2.157e+04 ± 16.46
26000
25000
24000
23000
22000
21000
20000

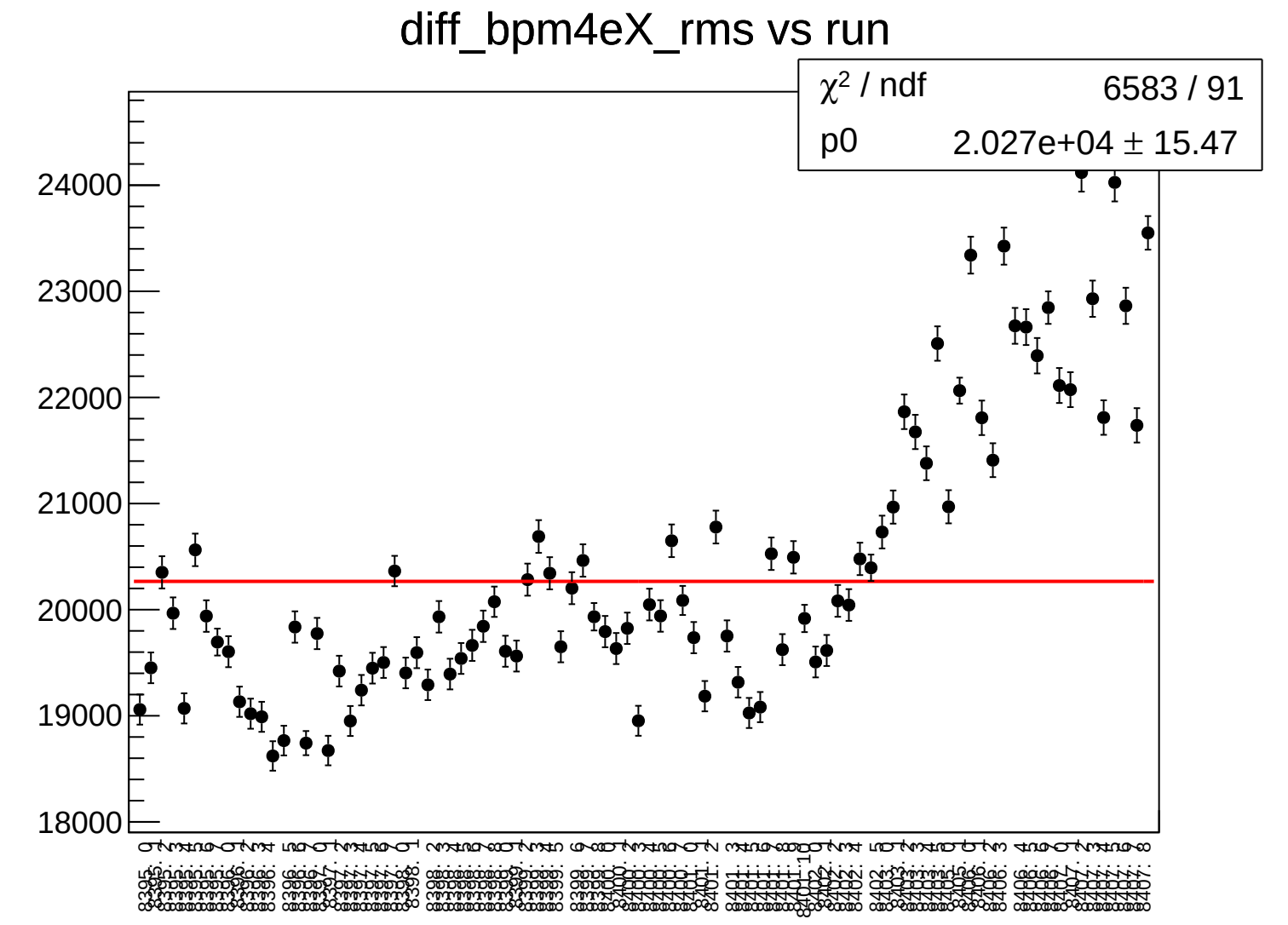

diff_bpm4aY_mean vs run
χ² / ndf 89.25 / 91
p0 5.106 ± 6.754
pull
Entries 92
Mean −698.4
Std Dev 0

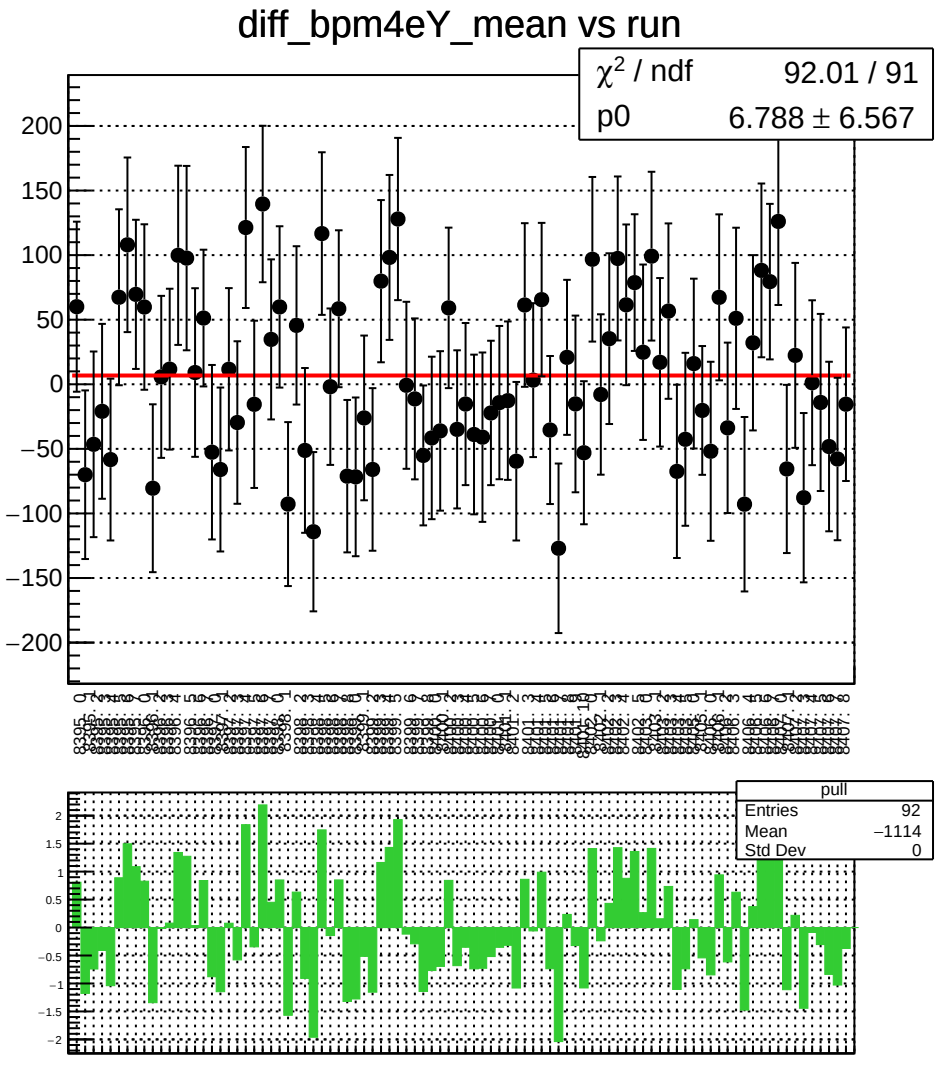

pull1D
Entries 92
Mean 0.001774
Std Dev 0.9849

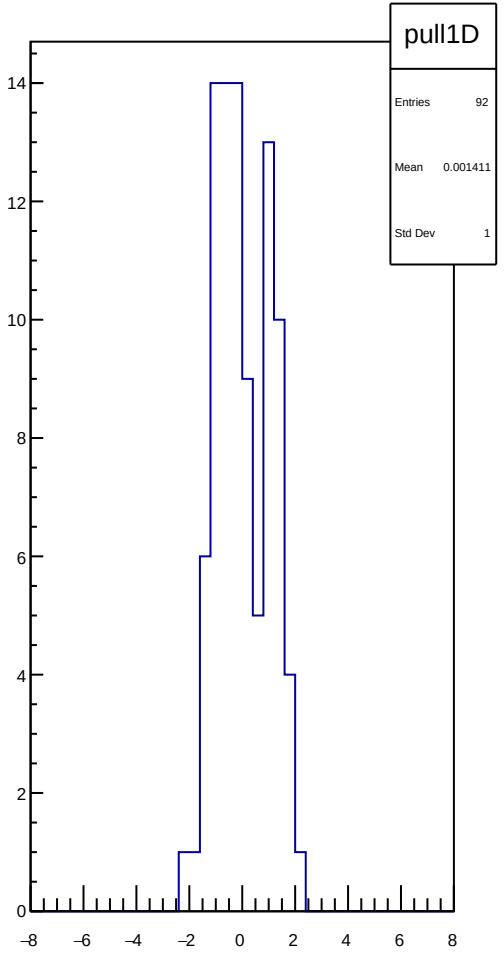

diff_bpm4aY_rms vs run
$\chi^2$ / ndf 3058 / 91
p0 6264 ± 4.776
7000
6800
6600
6400
6200
6000
5800
5600

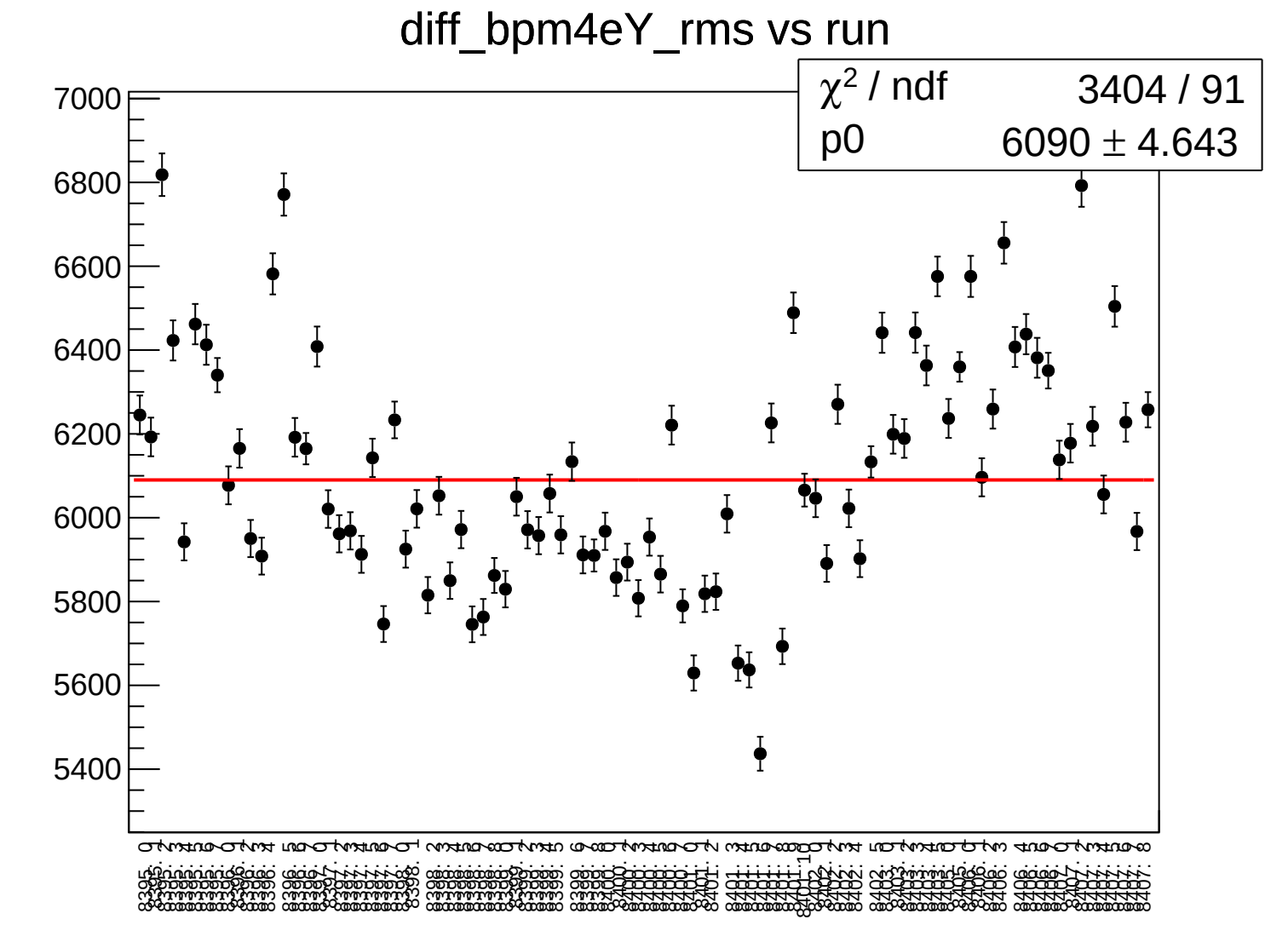

diff_bpm4eX_mean vs run
χ² / ndf 79.11 / 91
p0 −16.43 ± 21.87
pull
Entries 92
Mean 199.9
Std Dev 0

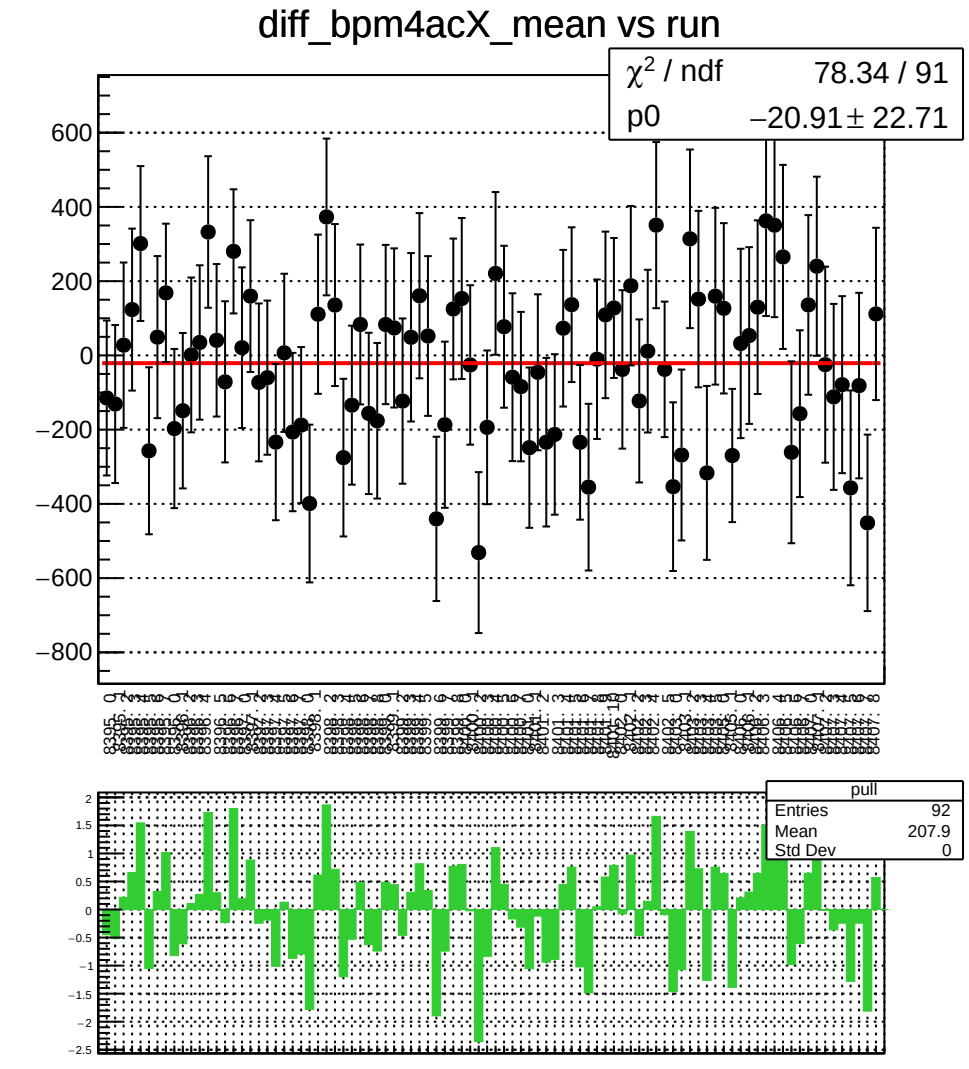

pull1D
Entries 92
Mean −0.004171
Std Dev 0.9273

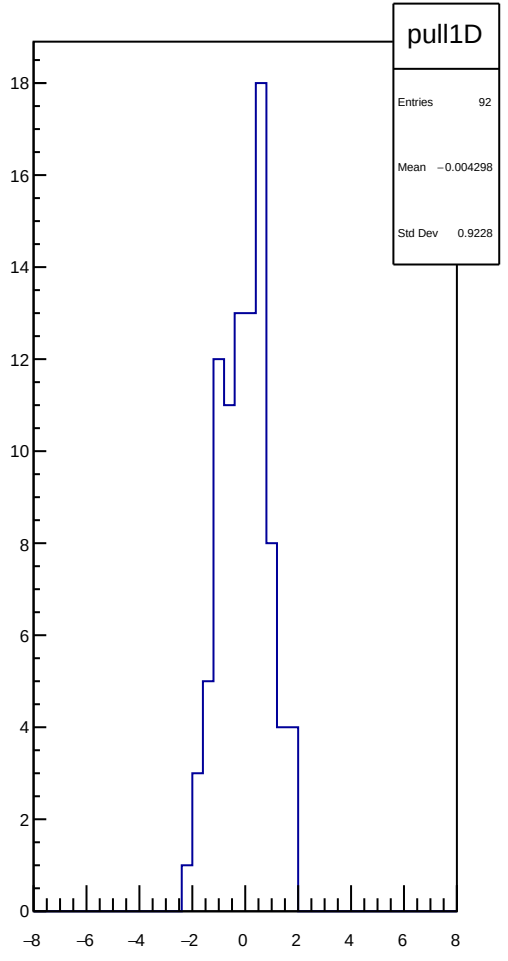

diff_bpm4eX_rms vs run
χ² / ndf 6583 / 91
p0 2.027e+04 ± 15.47
24000
23000
22000
21000
20000
19000
18000

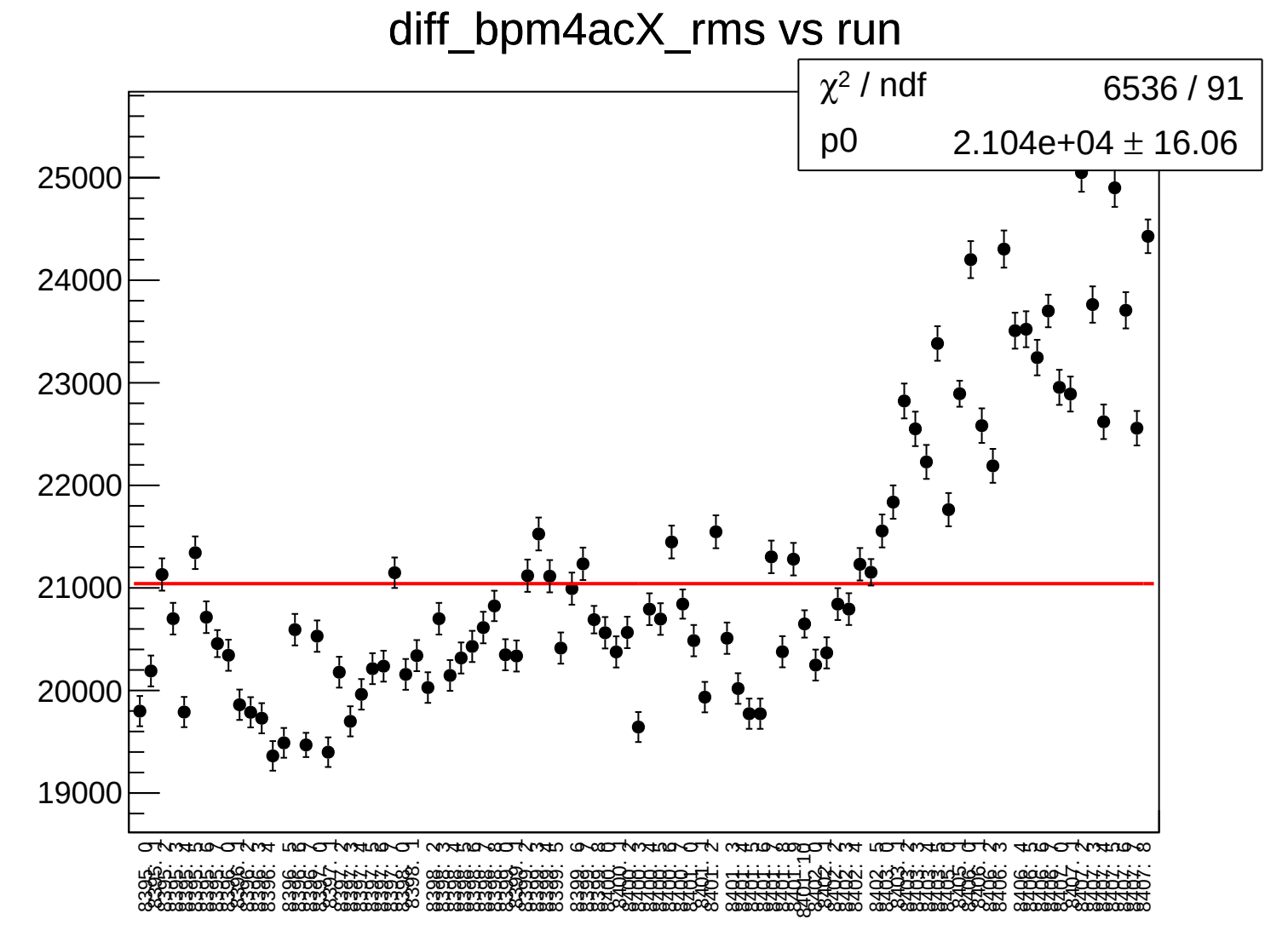

diff_bpm4eY_mean vs run
χ² / ndf 92.01 / 91
p0 6.788 ± 6.567
pull
Entries 92
Mean −1114
Std Dev 0

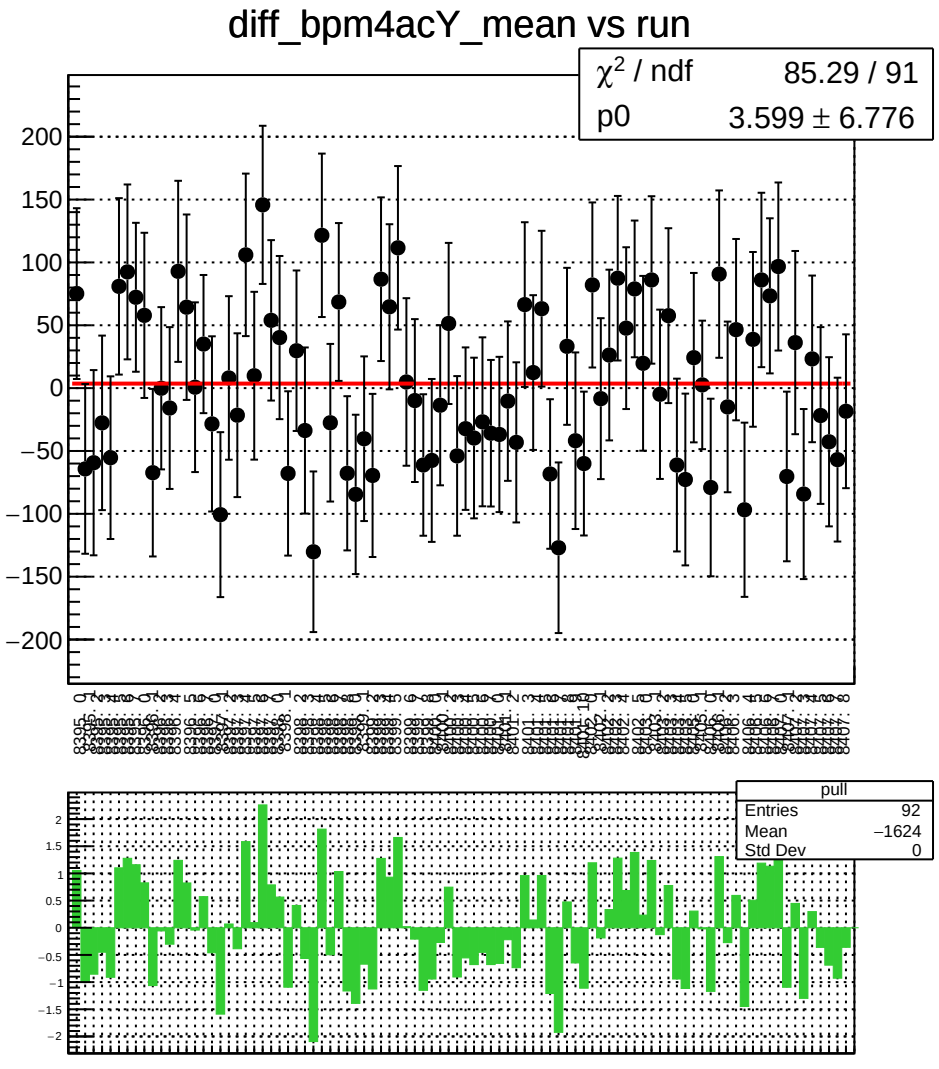

pull1D
Entries 92
Mean 0.001411
Std Dev 1

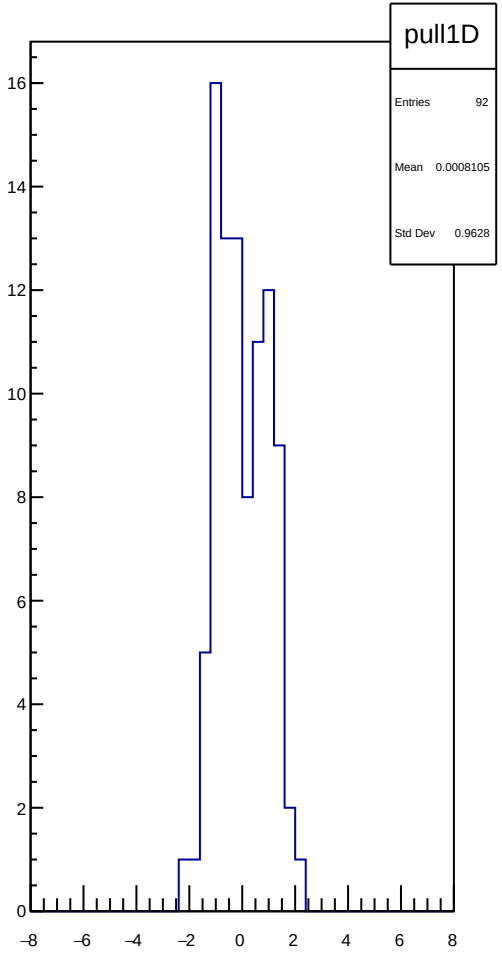

diff_bpm4eY_rms vs run
χ² / ndf 3404 / 91
p0 6090 ± 4.643
7000
6800
6600
6400
6200
6000
5800
5600
5400

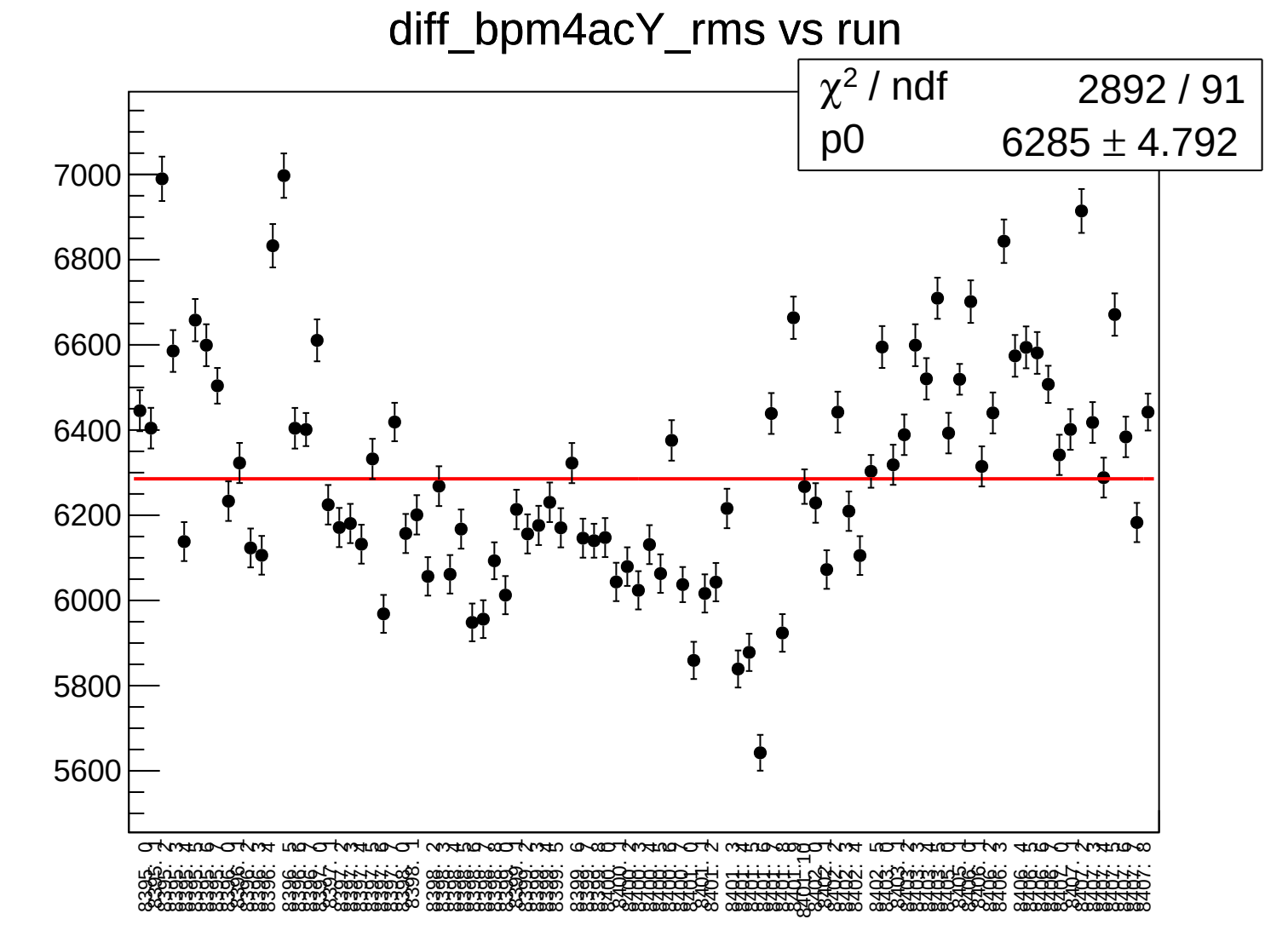

diff_bpm4acX_mean vs run
χ² / ndf 78.34 / 91
p0 −20.91 ± 22.71
pull
Entries 92
Mean 207.9
Std Dev 0

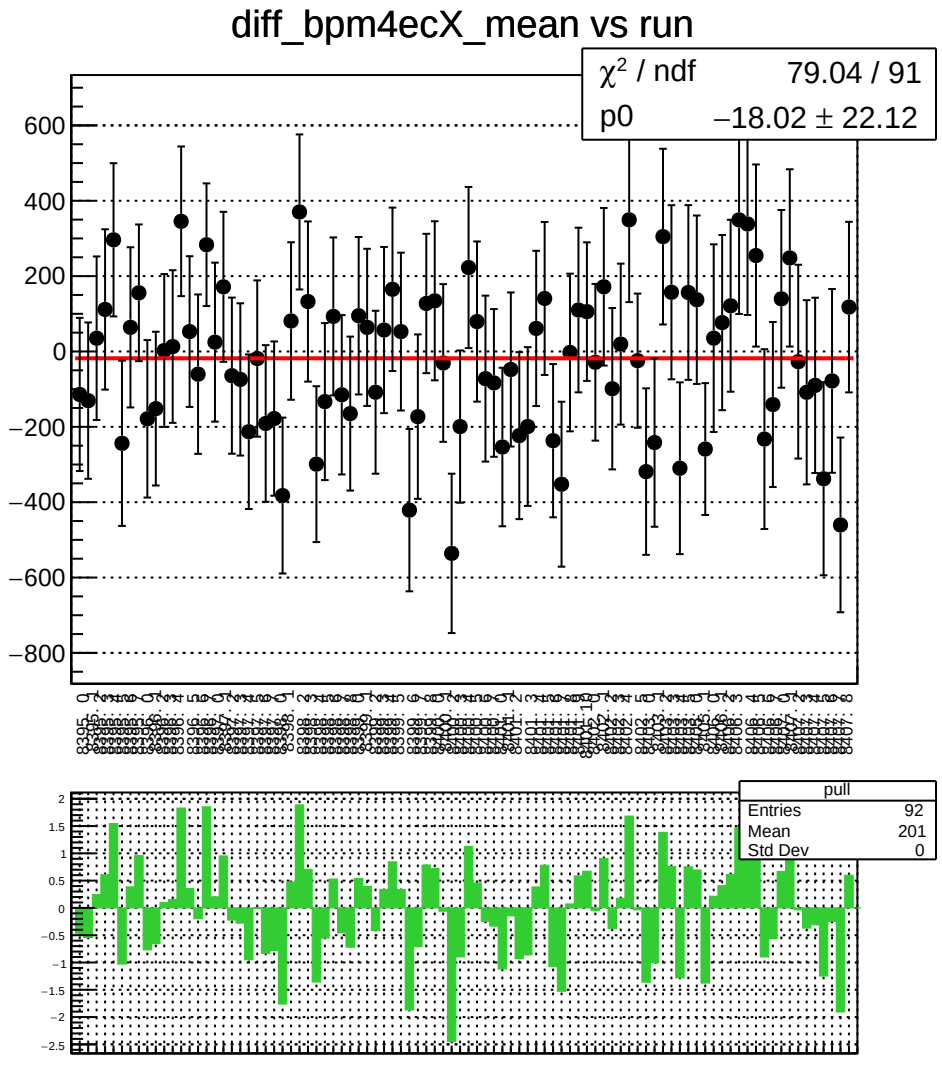

pull1D
Entries 92
Mean −0.004298
Std Dev 0.9228

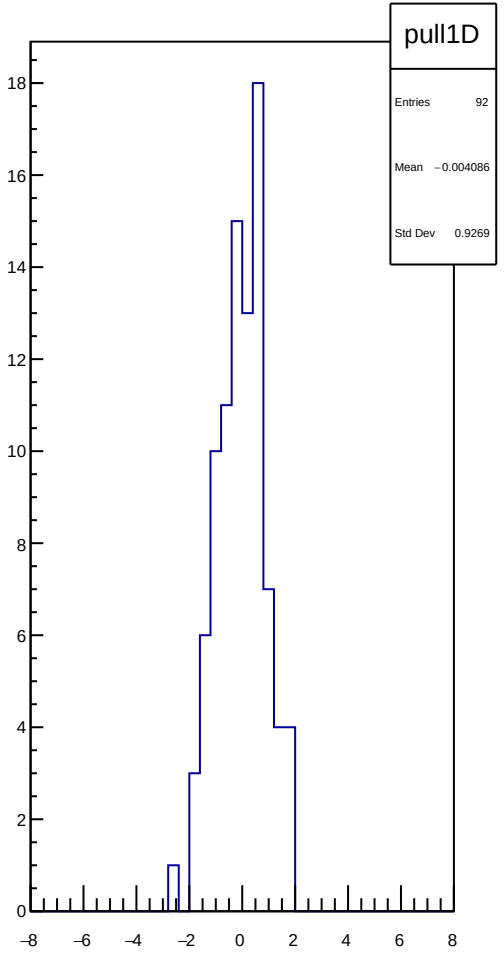

diff_bpm4acX_rms vs run
χ² / ndf 6536 / 91
p0 2.104e+04 ± 16.06
25000
24000
23000
22000
21000
20000
19000

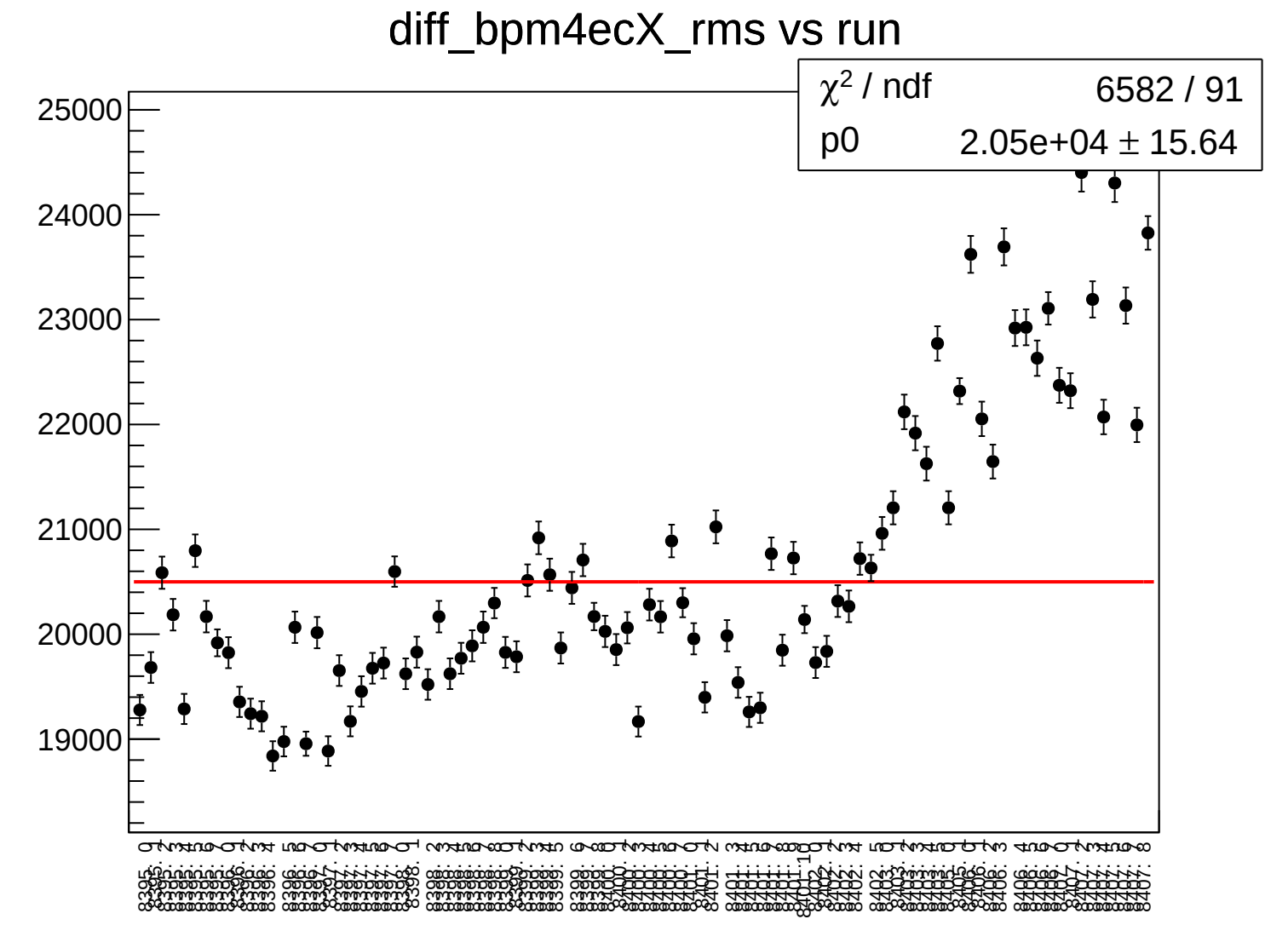

diff_bpm4acY_mean vs run
$\chi^2$ / ndf 85.29 / 91
p0 3.599 ± 6.776
pull
Entries 92
Mean −1624
Std Dev 0

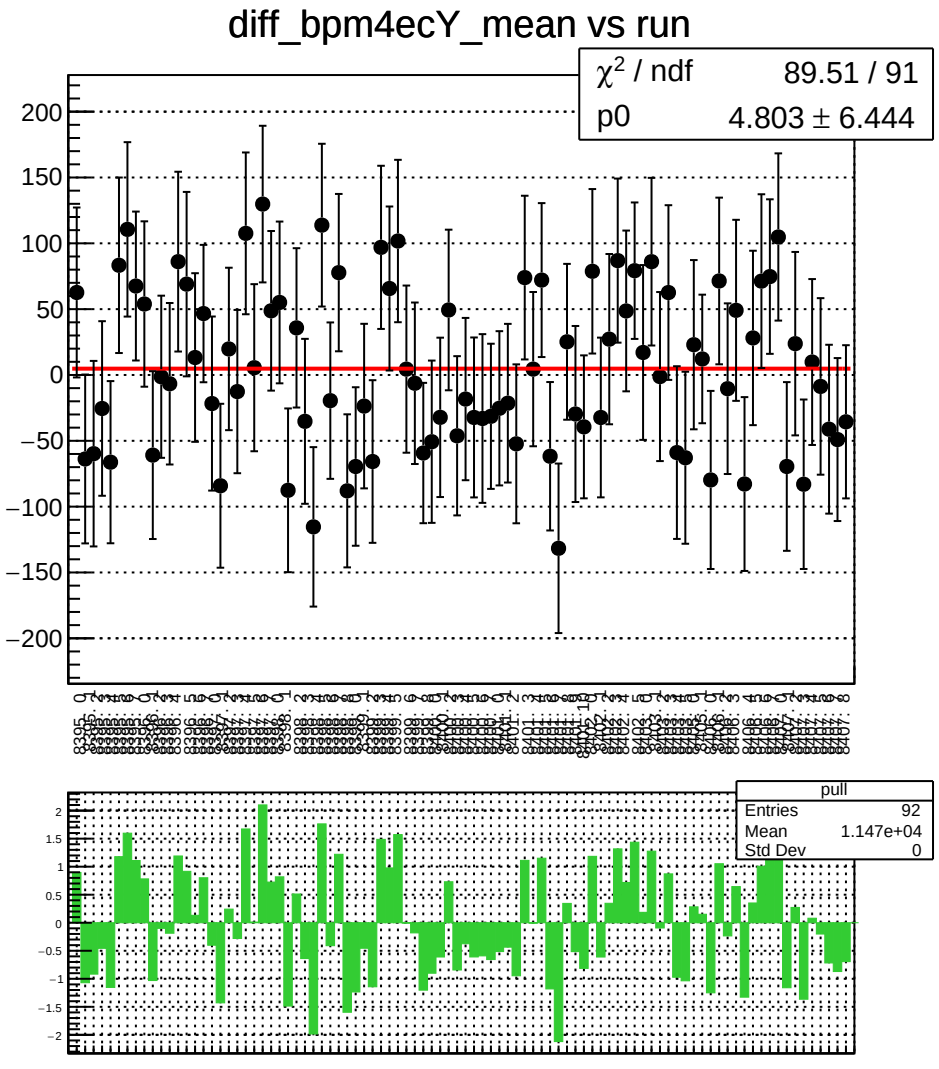

pull1D
Entries 92
Mean 0.0008105
Std Dev 0.9628

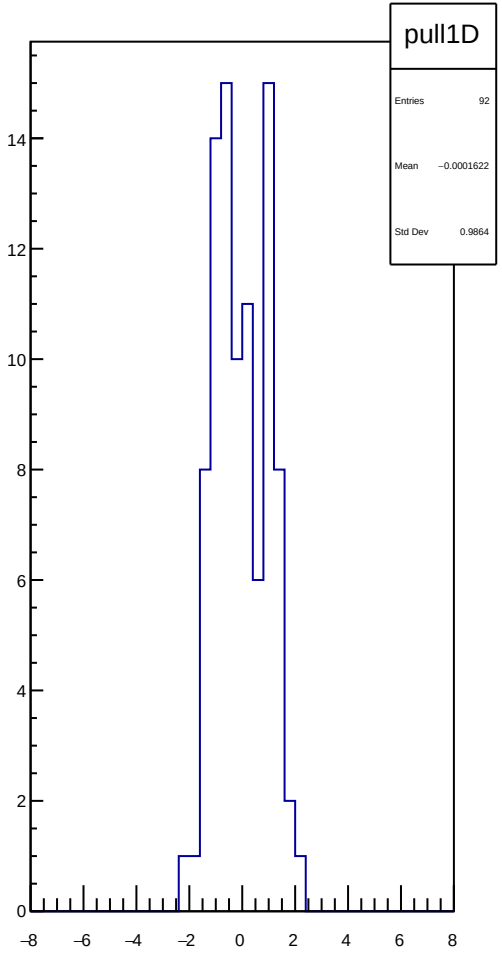

diff_bpm4acY_rms vs run
χ² / ndf 2892 / 91
p0 6285 ± 4.792
7000
6800
6600
6400
6200
6000
5800
5600

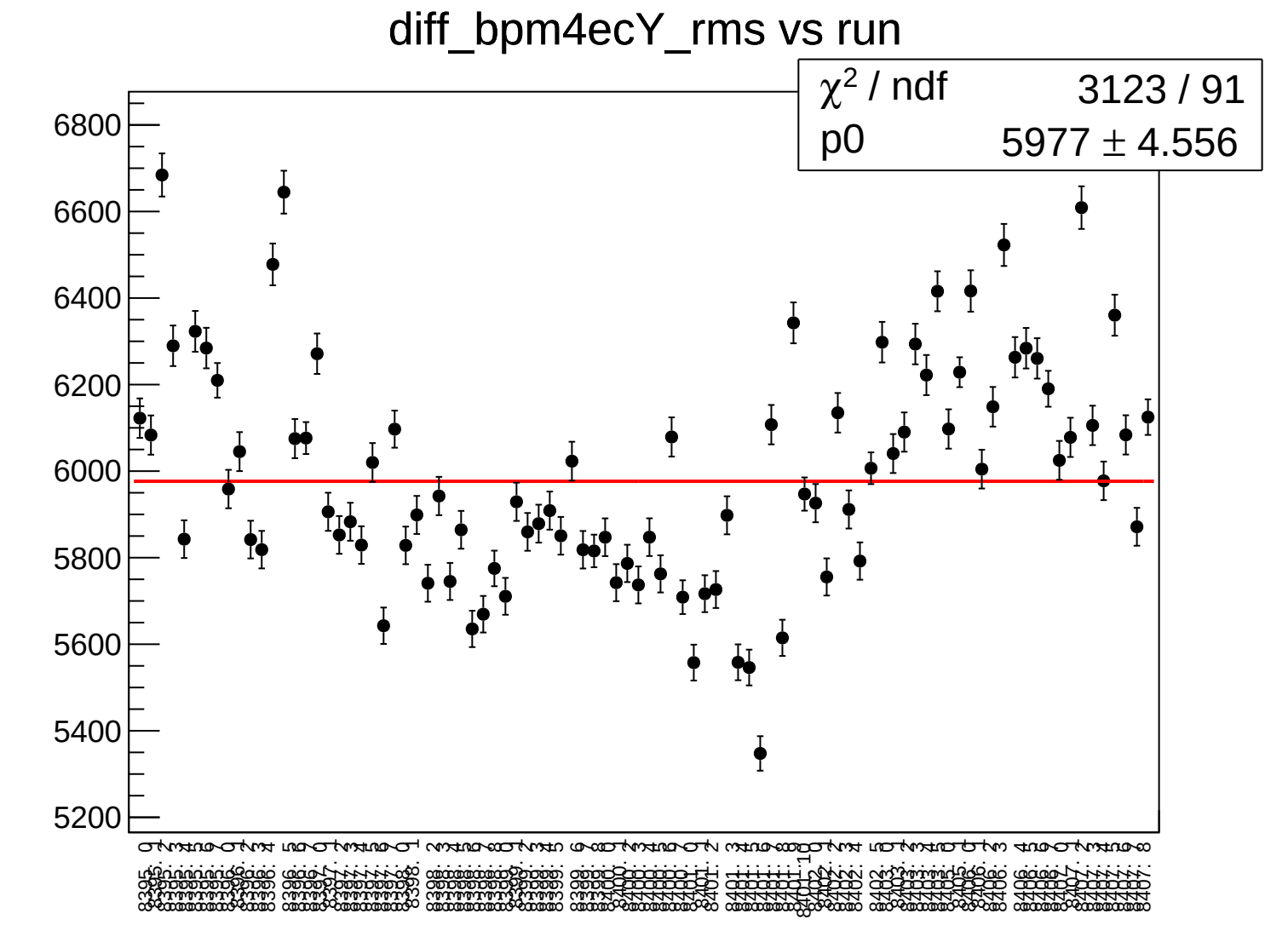

diff_bpm4ecX_mean vs run
χ² / ndf 79.04 / 91
p0 −18.02 ± 22.12
pull
Entries 92
Mean 201
Std Dev 0

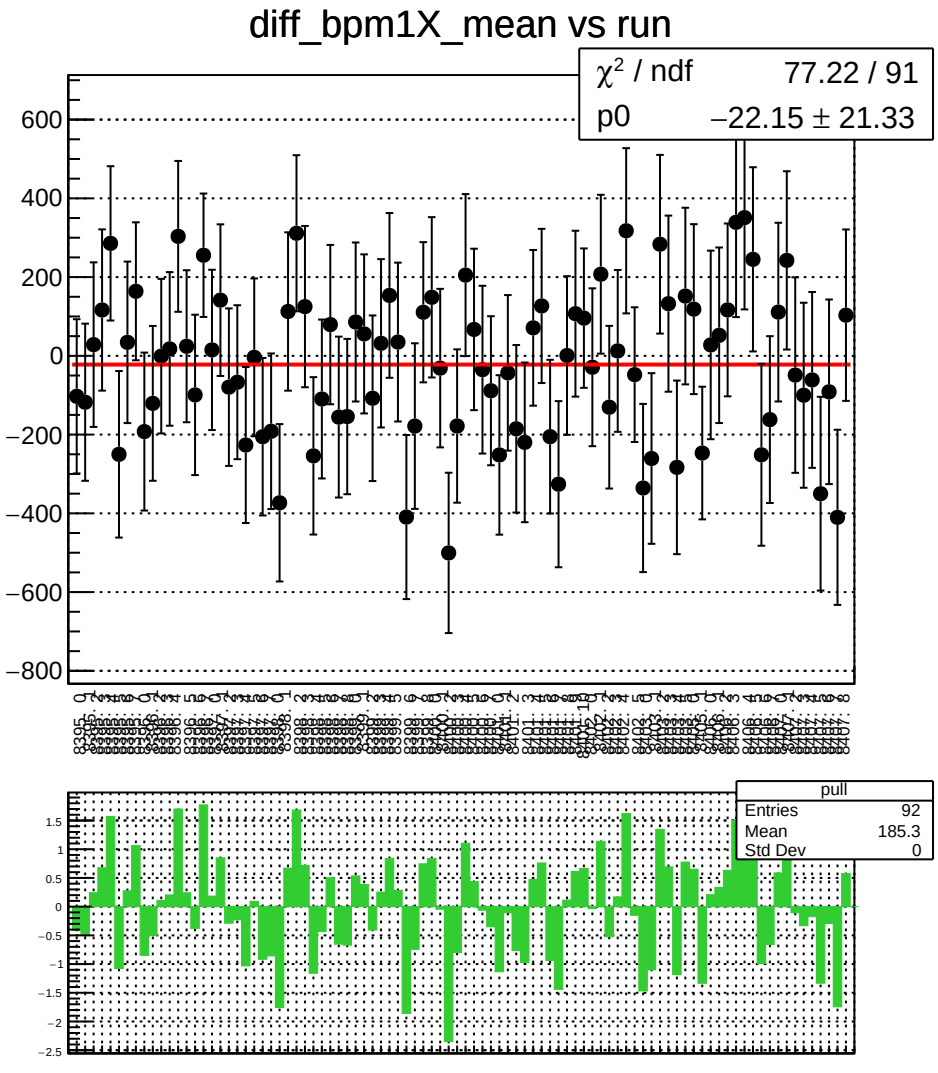

pull1D
Entries 92
Mean −0.004086
Std Dev 0.9269

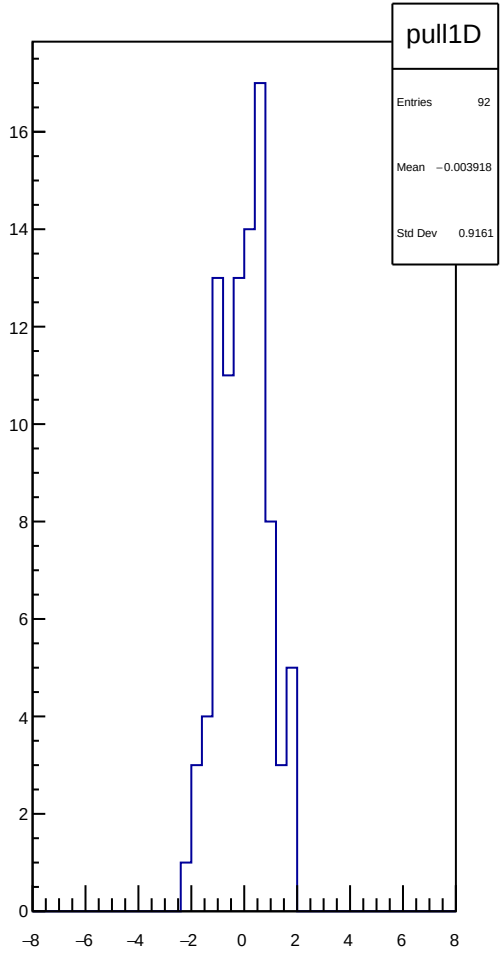

diff_bpm4ecX_rms vs run
χ² / ndf 6582 / 91
p0 2.05e+04 ± 15.64
25000
24000
23000
22000
21000
20000
19000

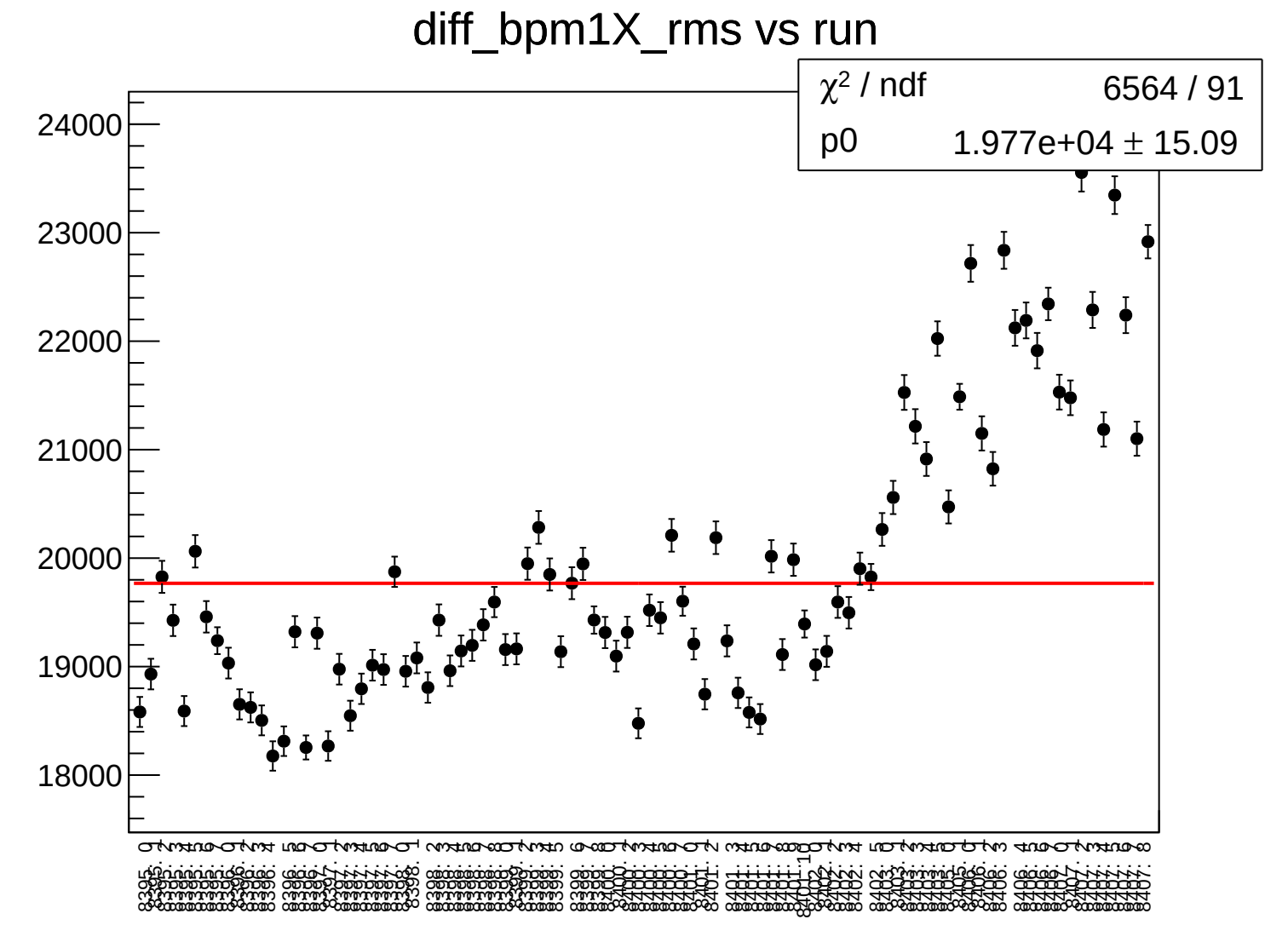

diff_bpm4ecY_mean vs run
$\chi^2$ / ndf 89.51 / 91
p0 4.803 ± 6.444
pull
Entries 92
Mean 1.147e+04
Std Dev 0

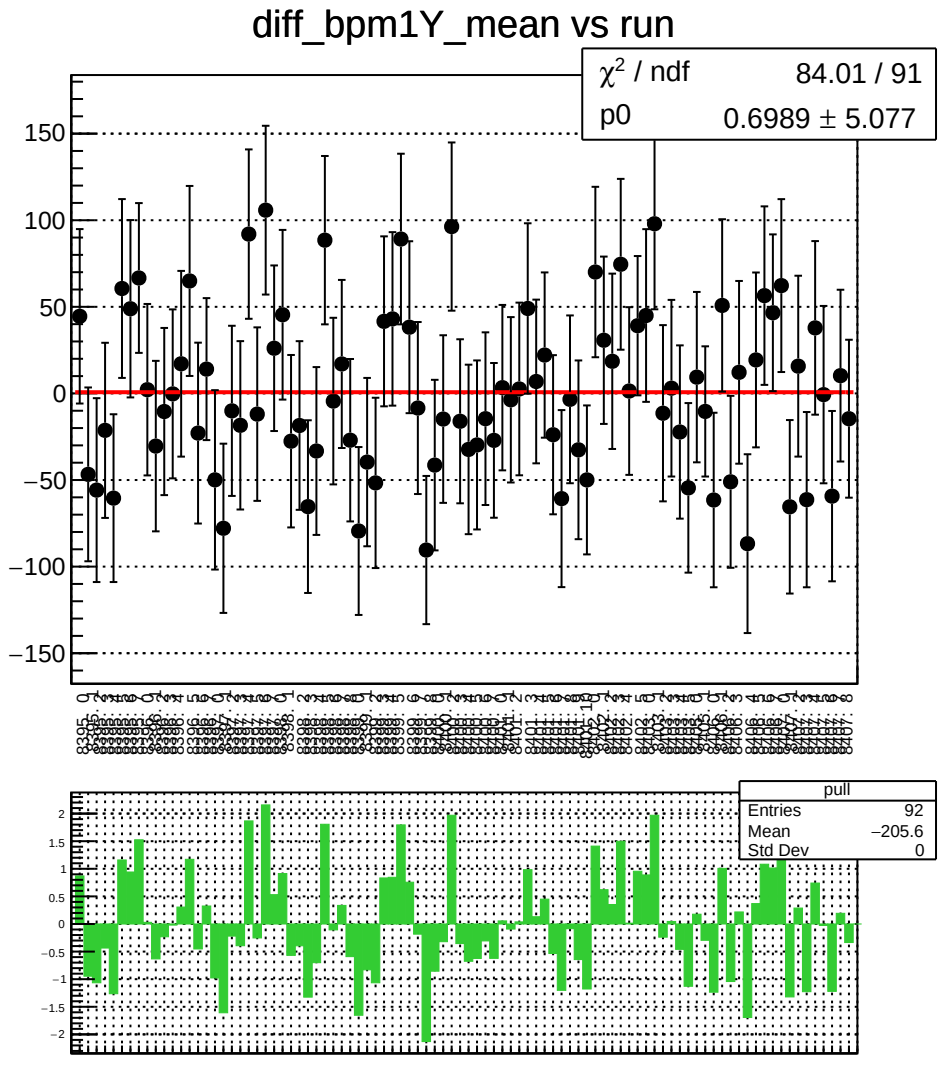

pull1D
Entries 92
Mean −0.0001622
Std Dev 0.9864

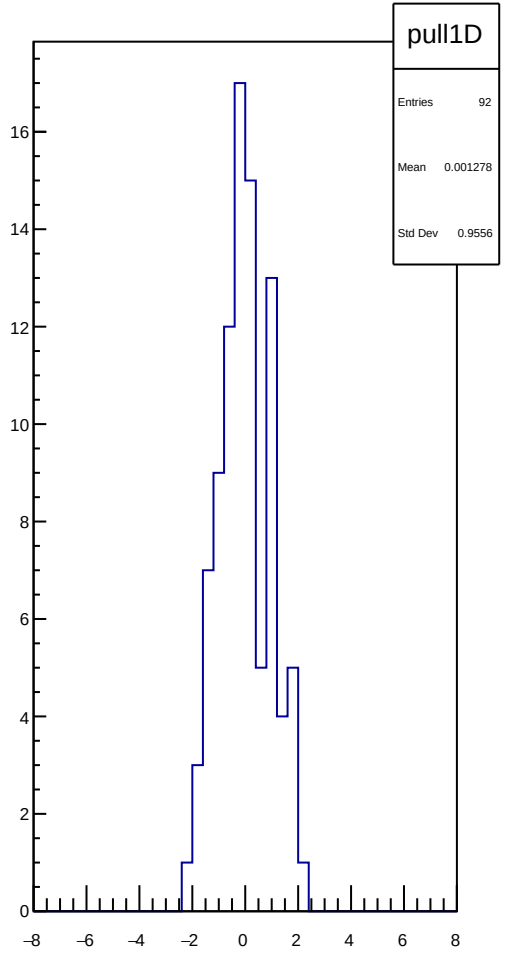

diff_bpm4ecY_rms vs run
$\chi^2$ / ndf 3123 / 91
p0 5977 ± 4.556
6800
6600
6400
6200
6000
5800
5600
5400
5200

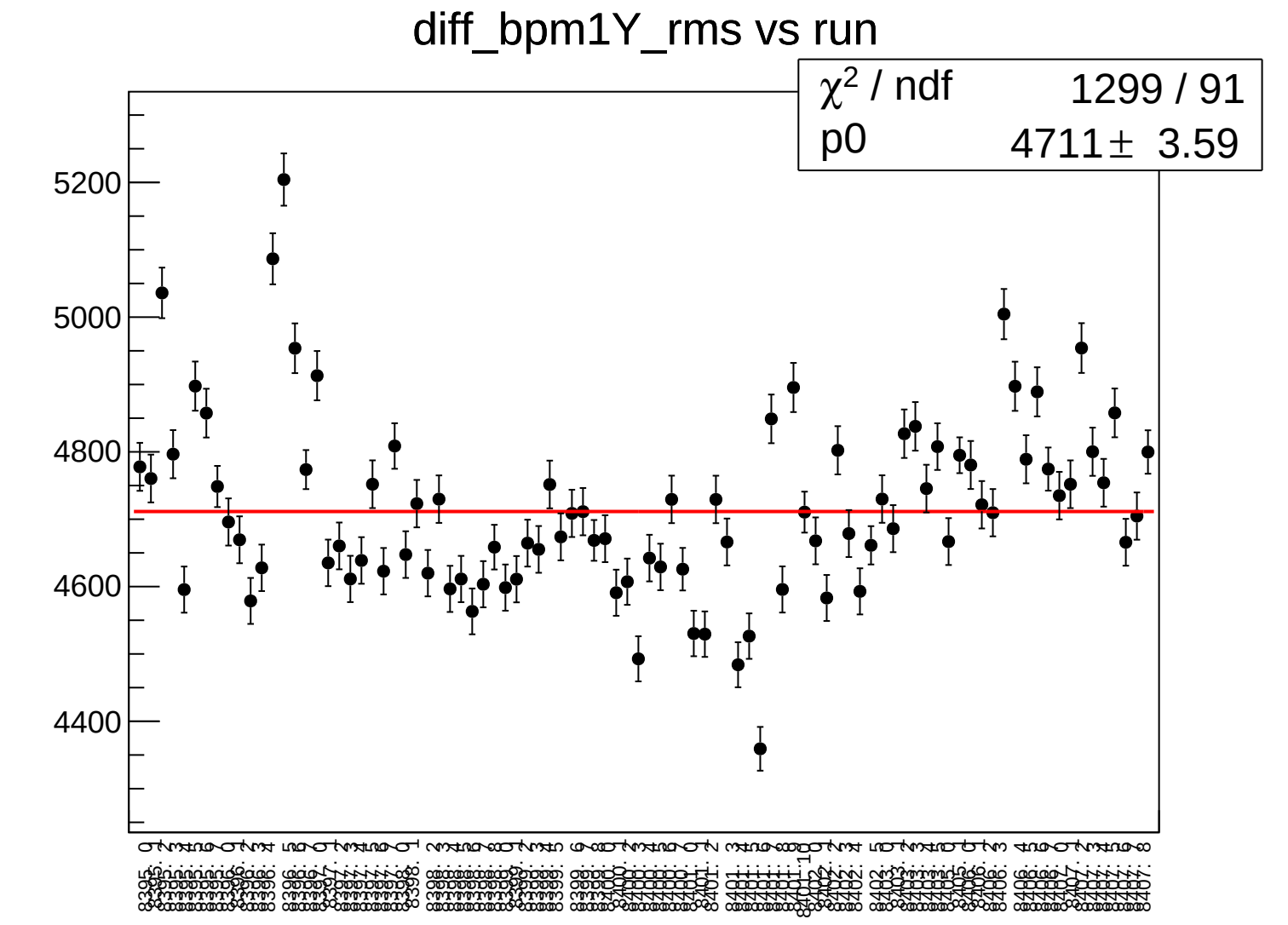

diff_bpm1X_mean vs run
χ² / ndf 77.22 / 91
p0 −22.15 ± 21.33
pull
Entries 92
Mean 185.3
Std Dev 0

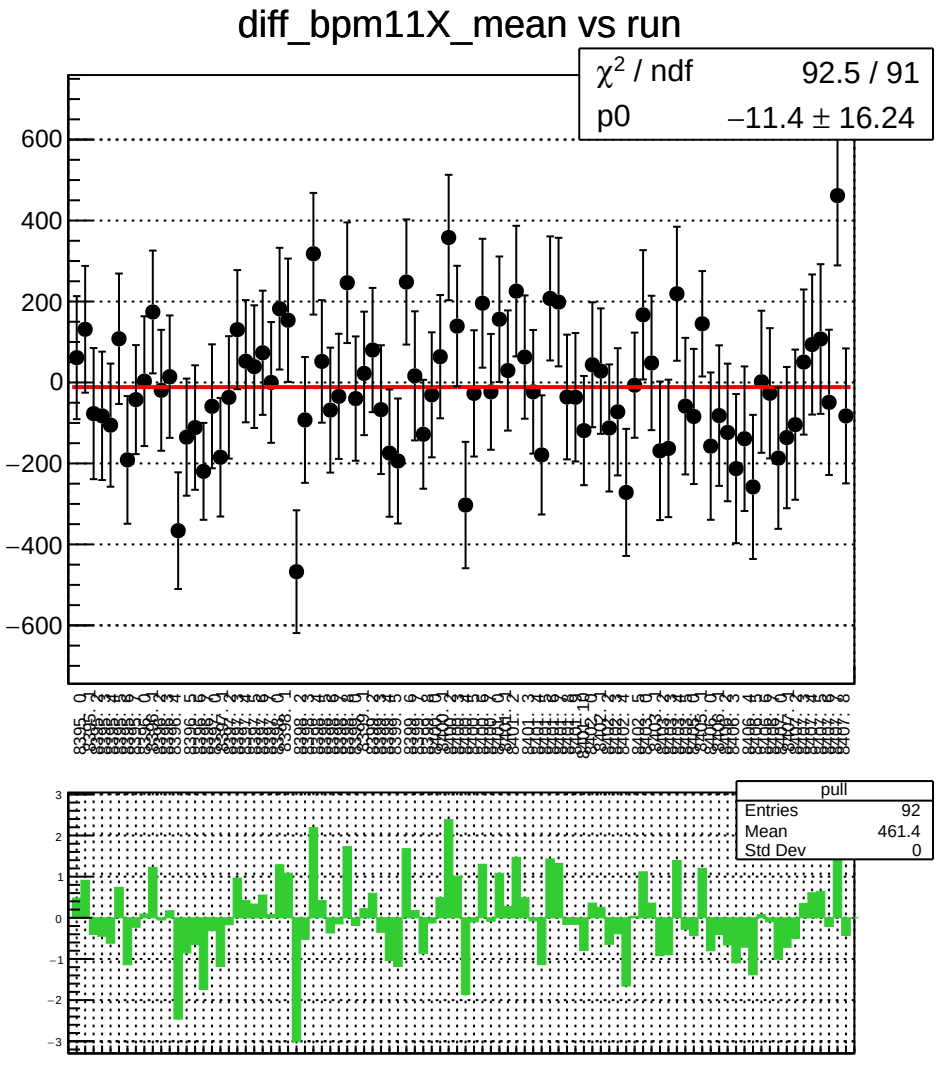

pull1D
Entries 92
Mean −0.003918
Std Dev 0.9161

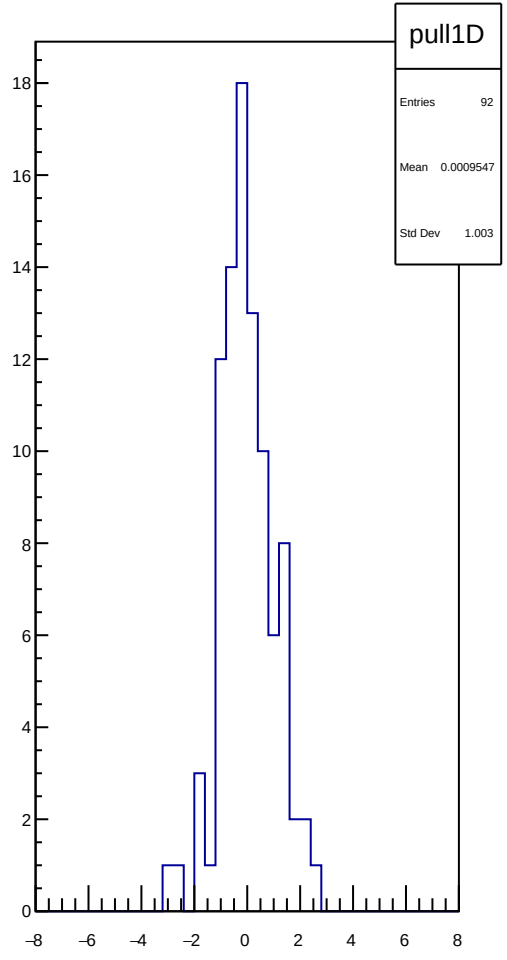

diff_bpm1X_rms vs run
χ² / ndf 6564 / 91
p0 1.977e+04 ± 15.09
24000
23000
22000
21000
20000
19000
18000

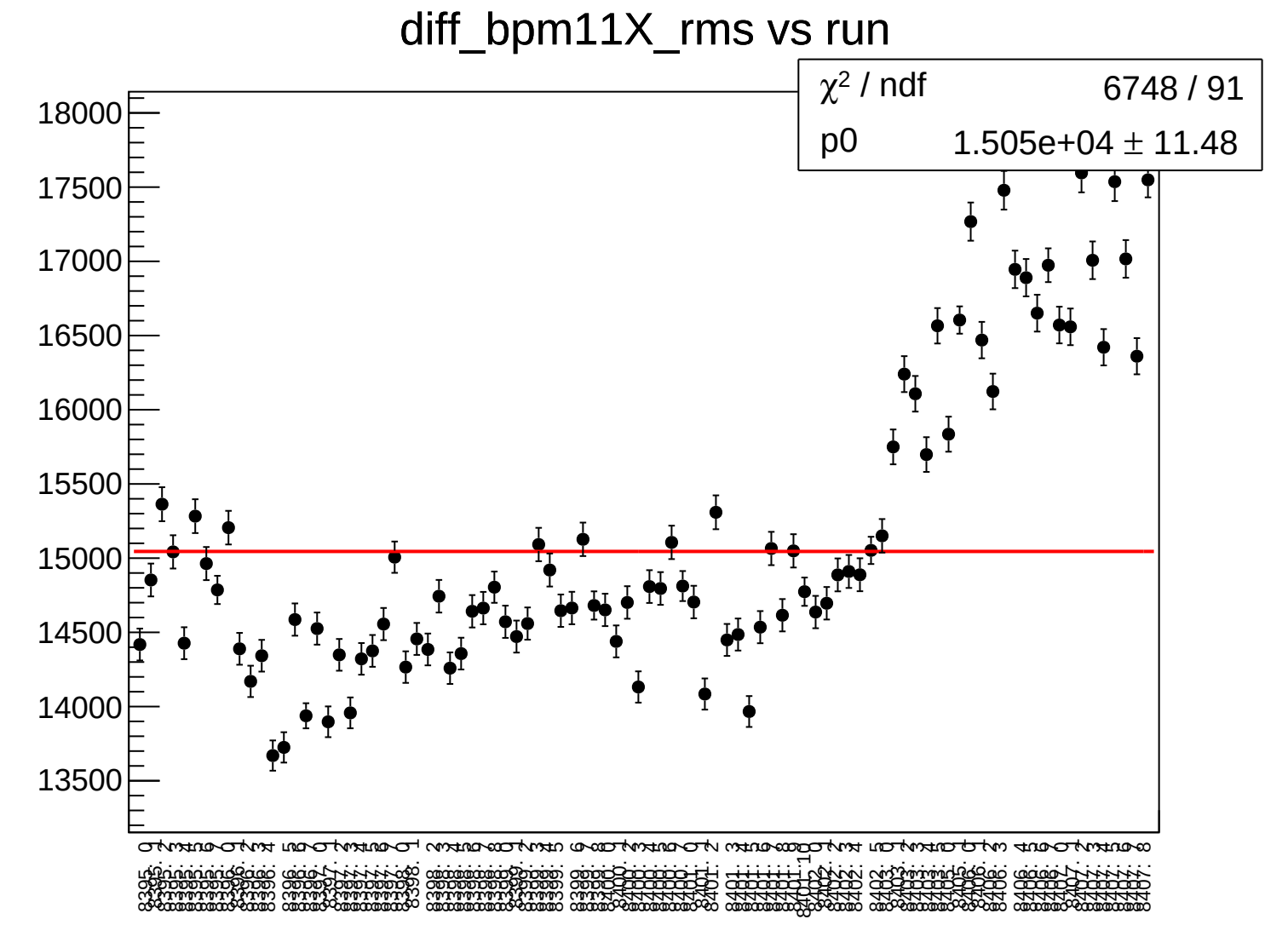

diff_bpm1Y_mean vs run
χ² / ndf 84.01 / 91
p0 0.6989 ± 5.077
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −205.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

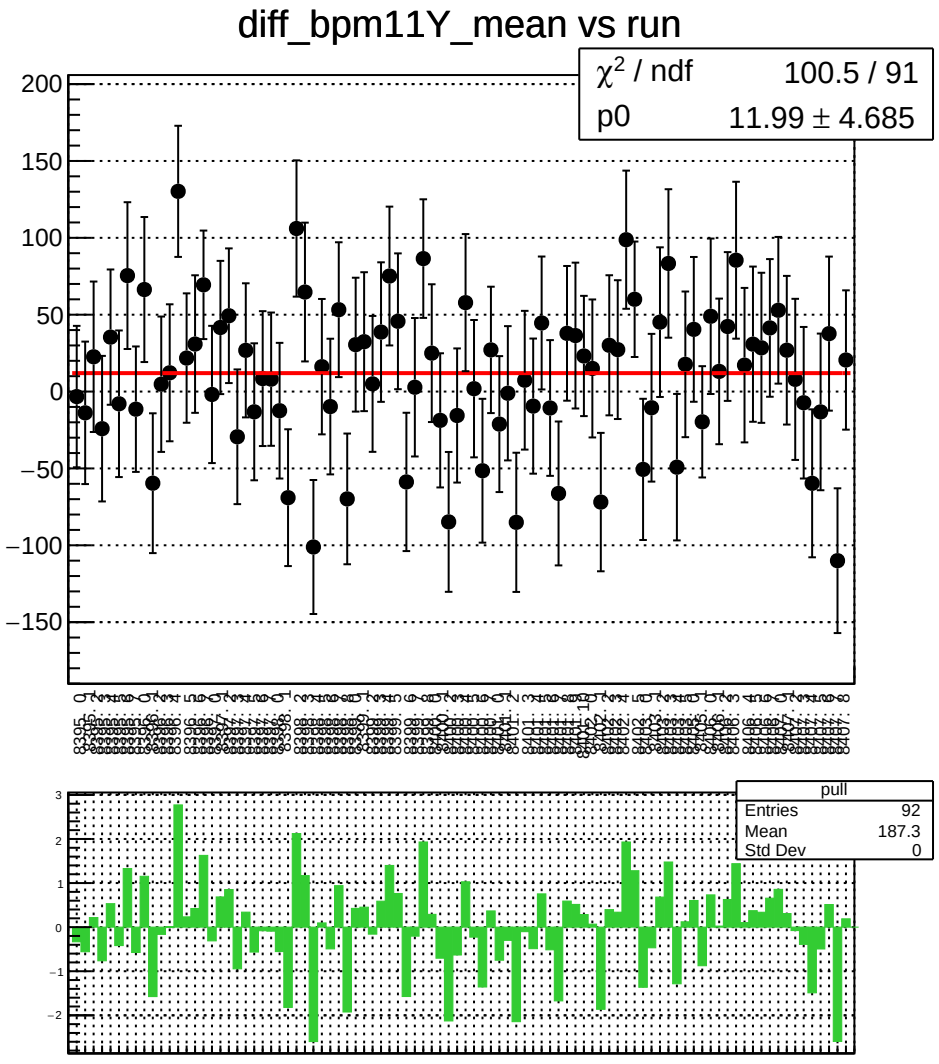

pull1D
Entries 92
Mean 0.001278
Std Dev 0.9556
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

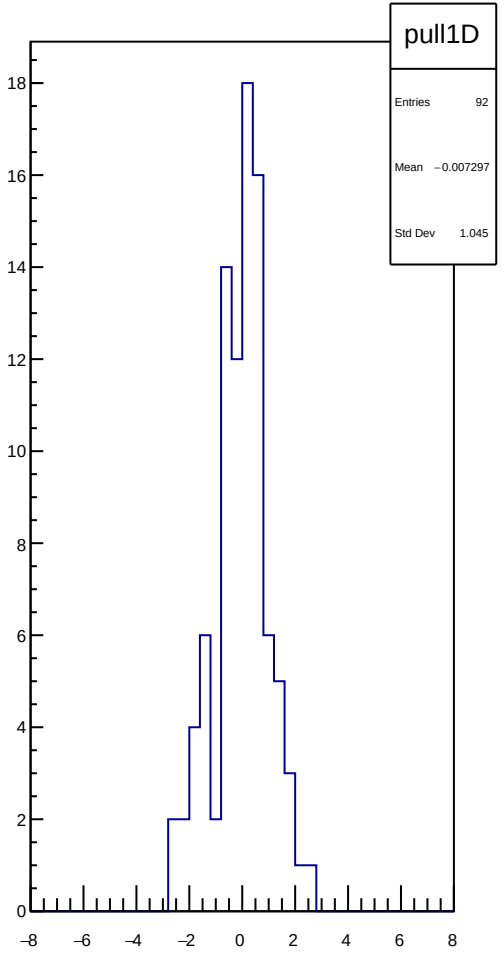

diff_bpm1Y_rms vs run
$\chi^2$ / ndf 1299 / 91
p0 4711 ± 3.59
5200
5000
4800
4600
4400

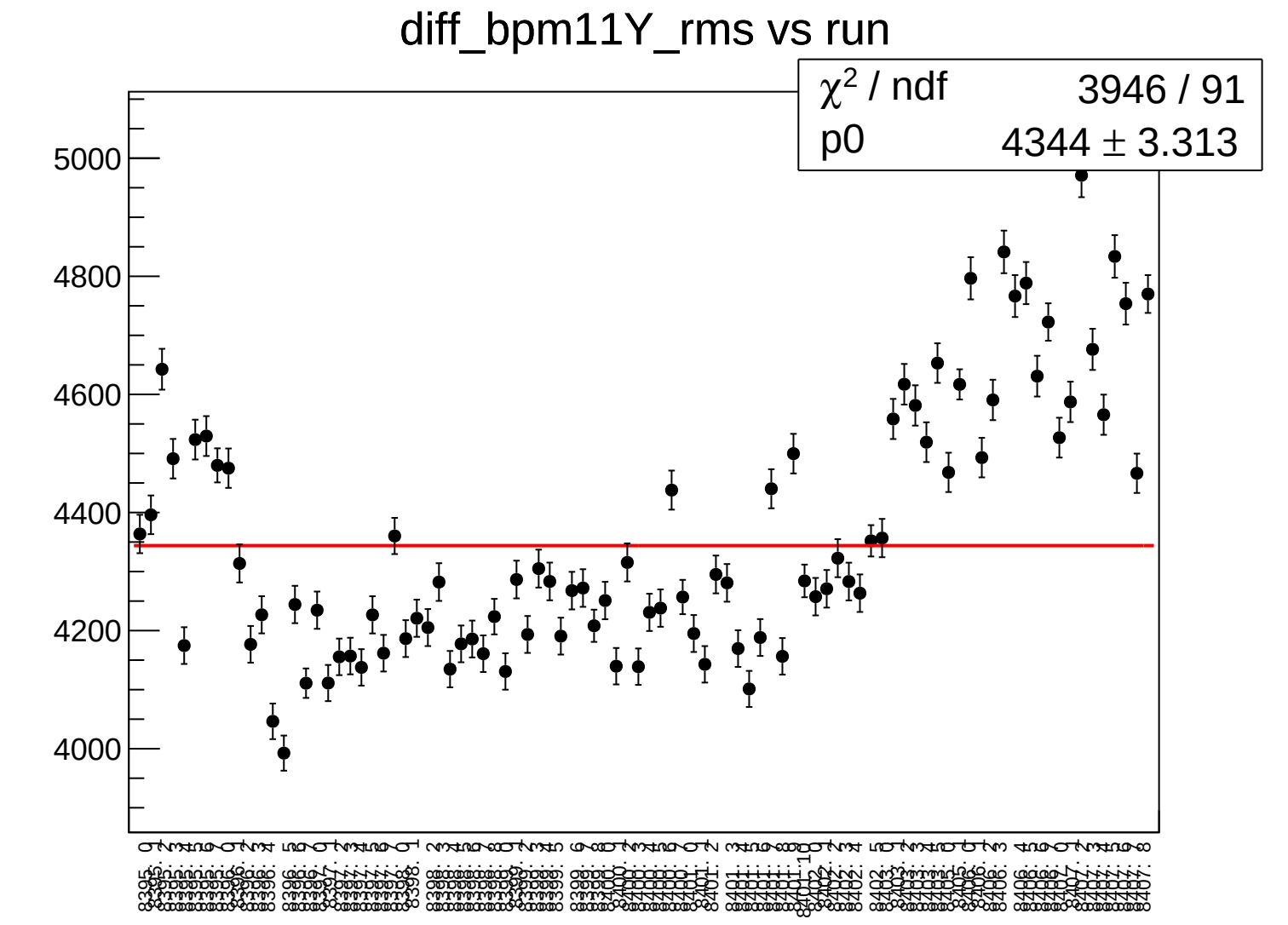

diff_bpm11X_mean vs run
χ² / ndf 92.5 / 91
p0 −11.4 ± 16.24
600
400
200
0
−200
−400
−600
pull
Entries 92
Mean 461.4
Std Dev 0
3
2
1
0
−1
−2
−3

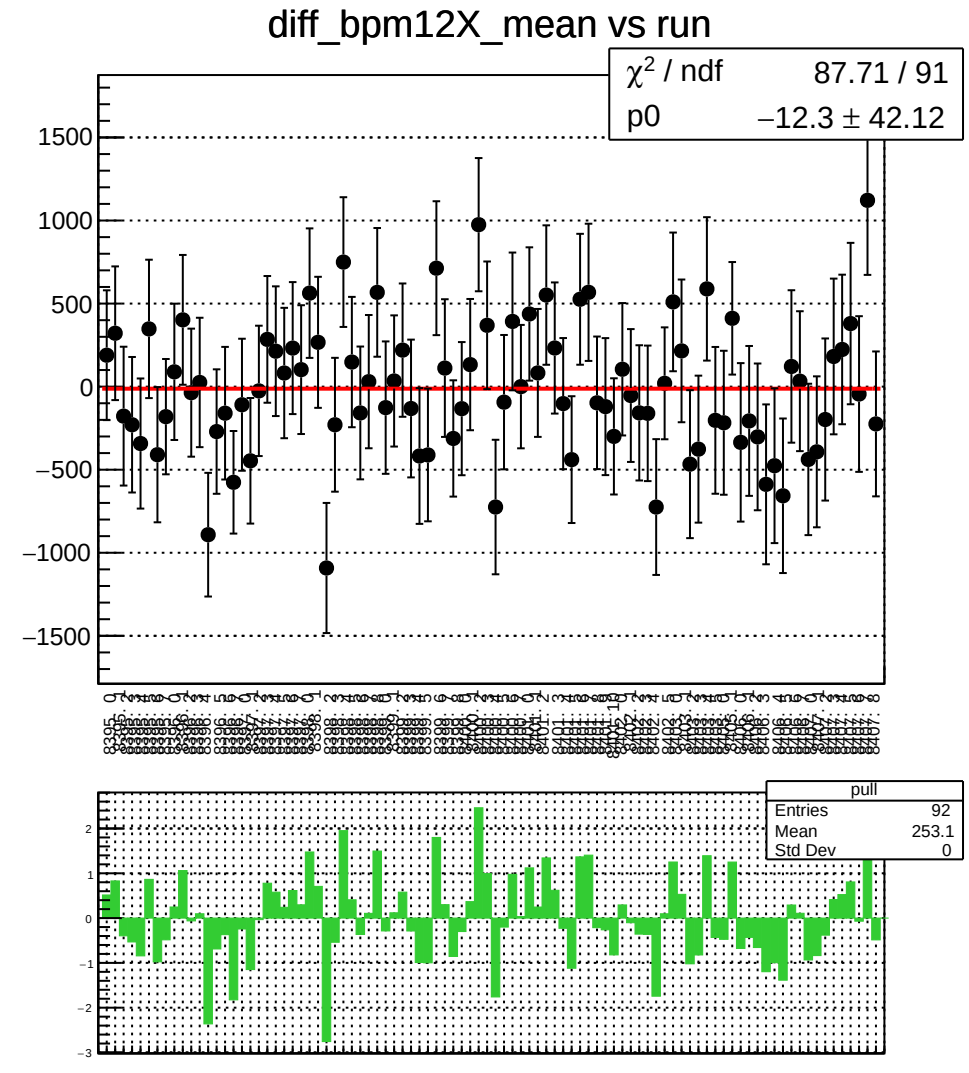

pull1D
Entries 92
Mean 0.0009547
Std Dev 1.003
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

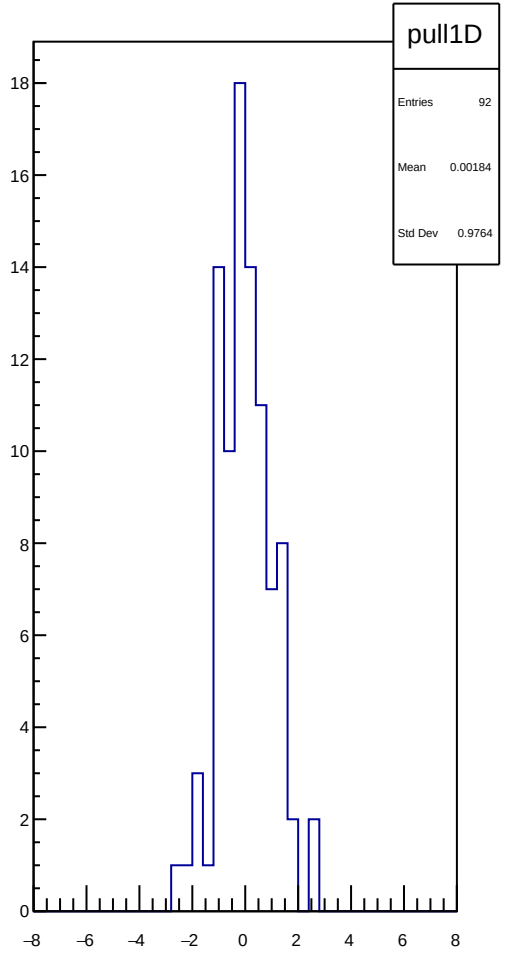

diff_bpm11X_rms vs run
χ² / ndf 6748 / 91
p0 1.505e+04 ± 11.48
18000
17500
17000
16500
16000
15500
15000
14500
14000
13500

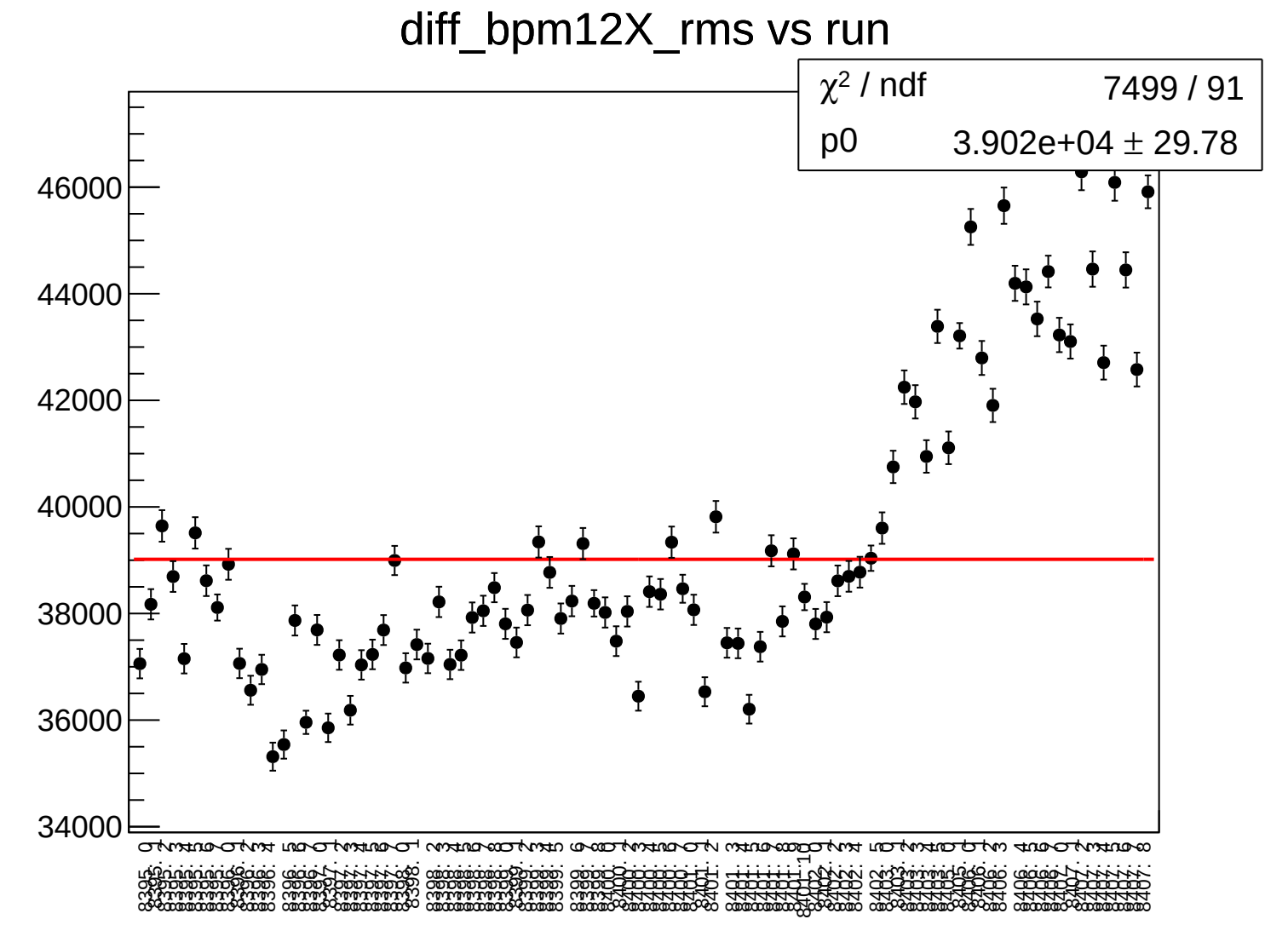

diff_bpm11Y_mean vs run
$\chi^2$ / ndf 100.5 / 91
p0 11.99 ± 4.685
pull
Entries 92
Mean 187.3
Std Dev 0

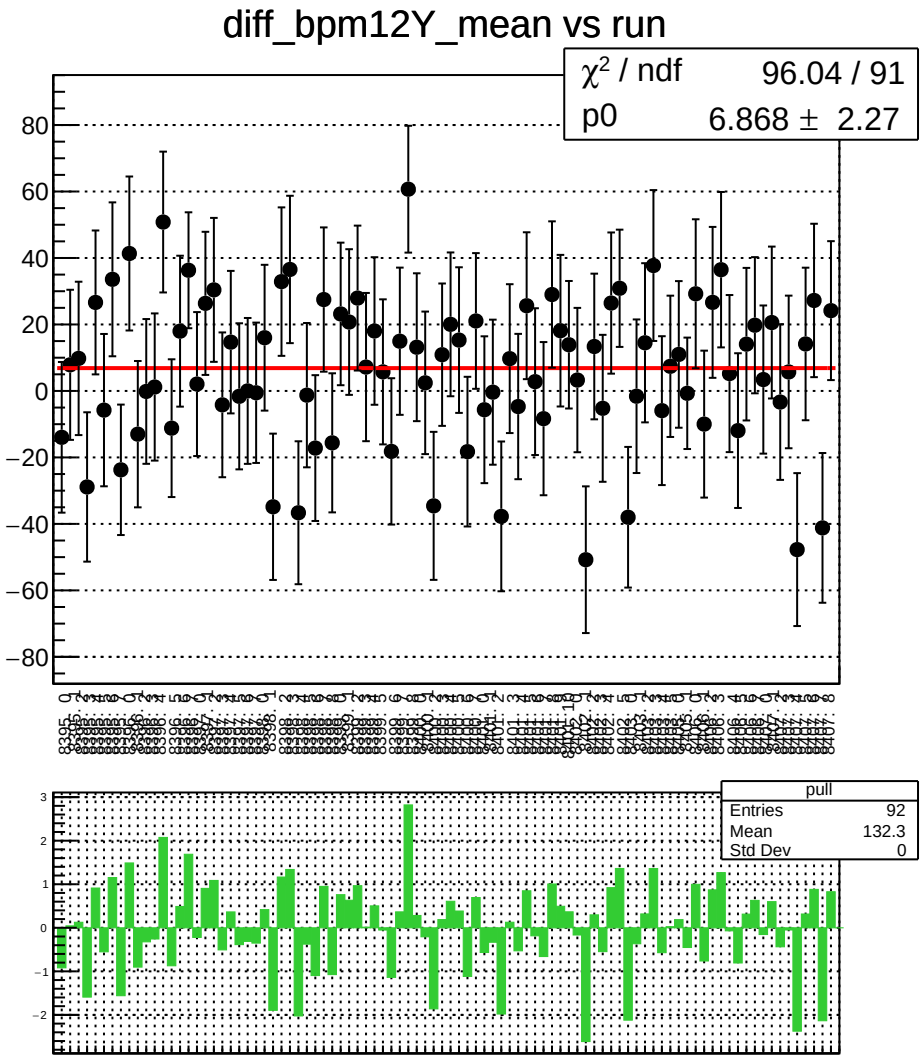

pull1D
Entries 92
Mean −0.007297
Std Dev 1.045

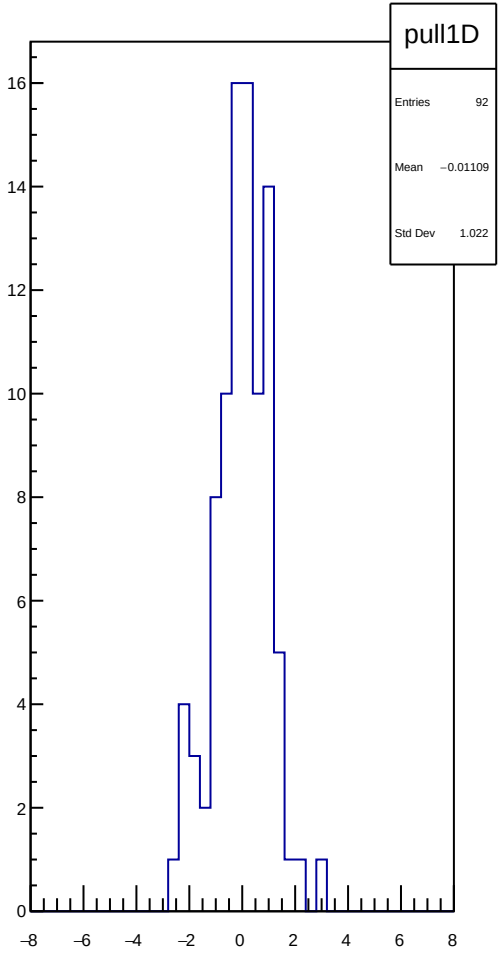

diff_bpm11Y_rms vs run
χ² / ndf 3946 / 91
p0 4344 ± 3.313
5000
4800
4600
4400
4200
4000

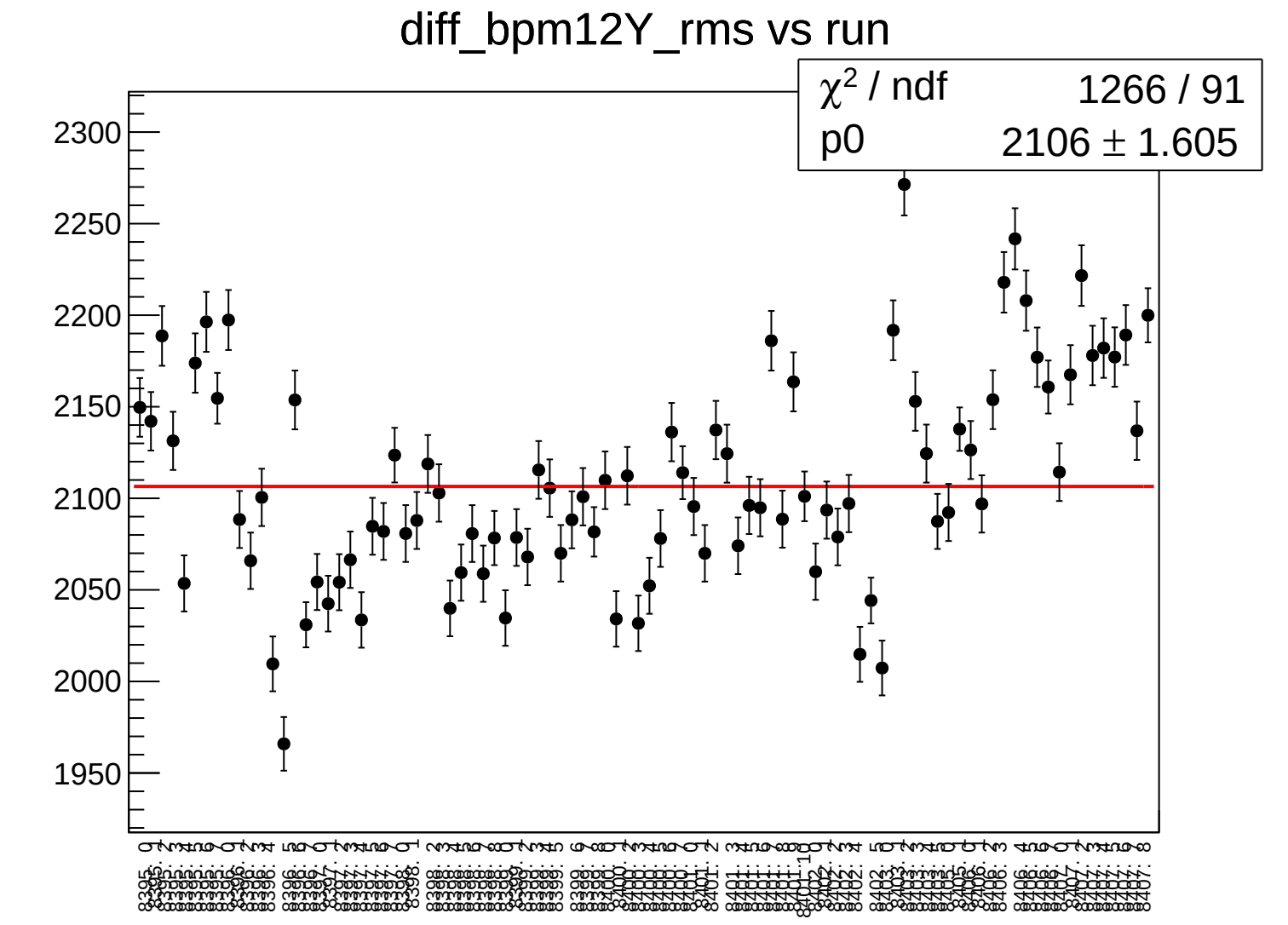

diff_bpm12X_mean vs run
χ² / ndf 87.71 / 91
p0 −12.3 ± 42.12
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean 253.1
Std Dev 0
2
1
0
−1
−2
−3

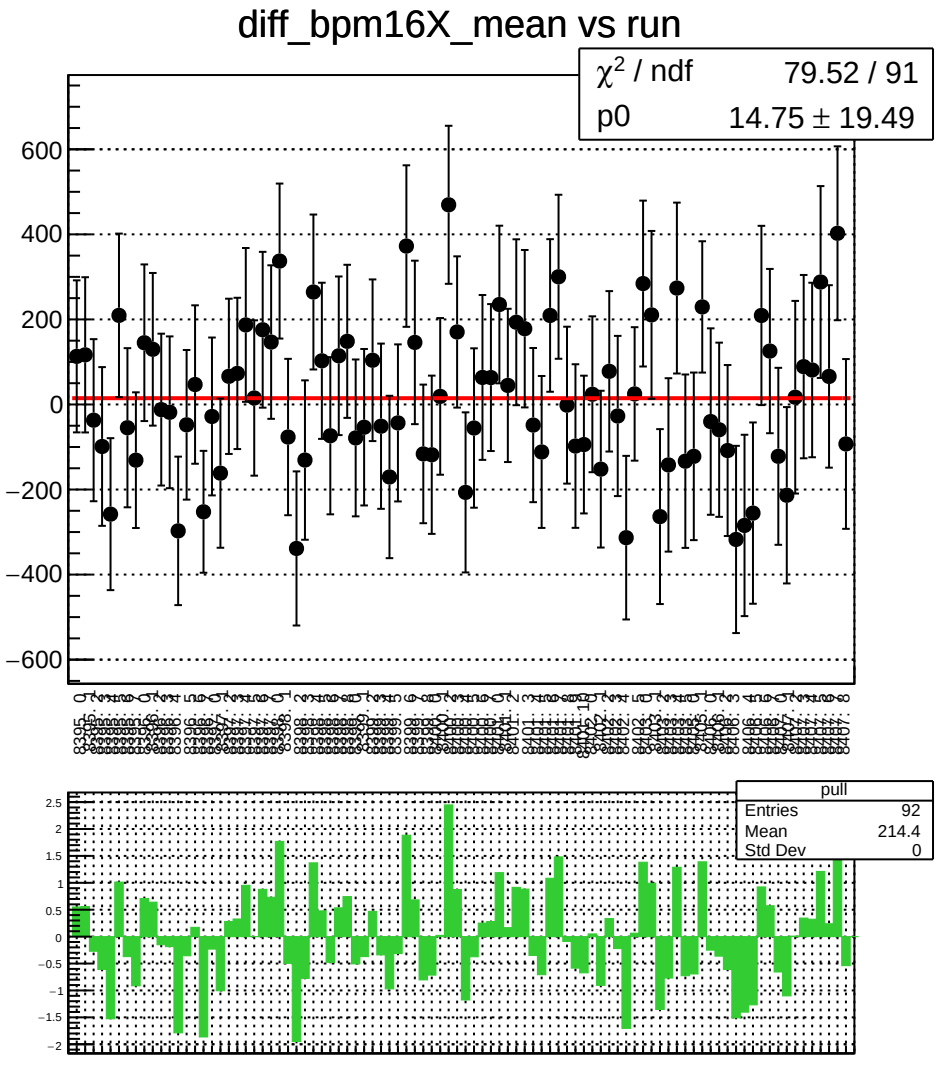

pull1D
Entries 92
Mean 0.00184
Std Dev 0.9764
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

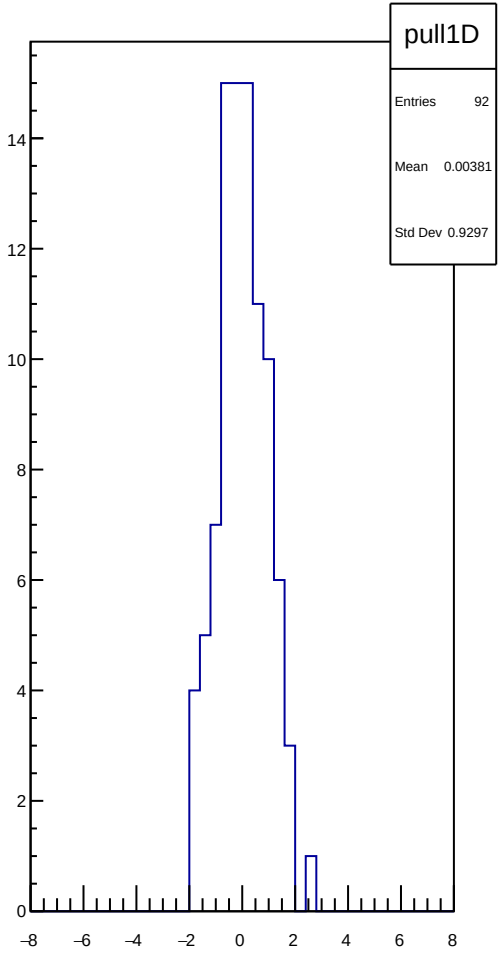

diff_bpm12X_rms vs run
χ² / ndf 7499 / 91
p0 3.902e+04 ± 29.78
46000
44000
42000
40000
38000
36000
34000

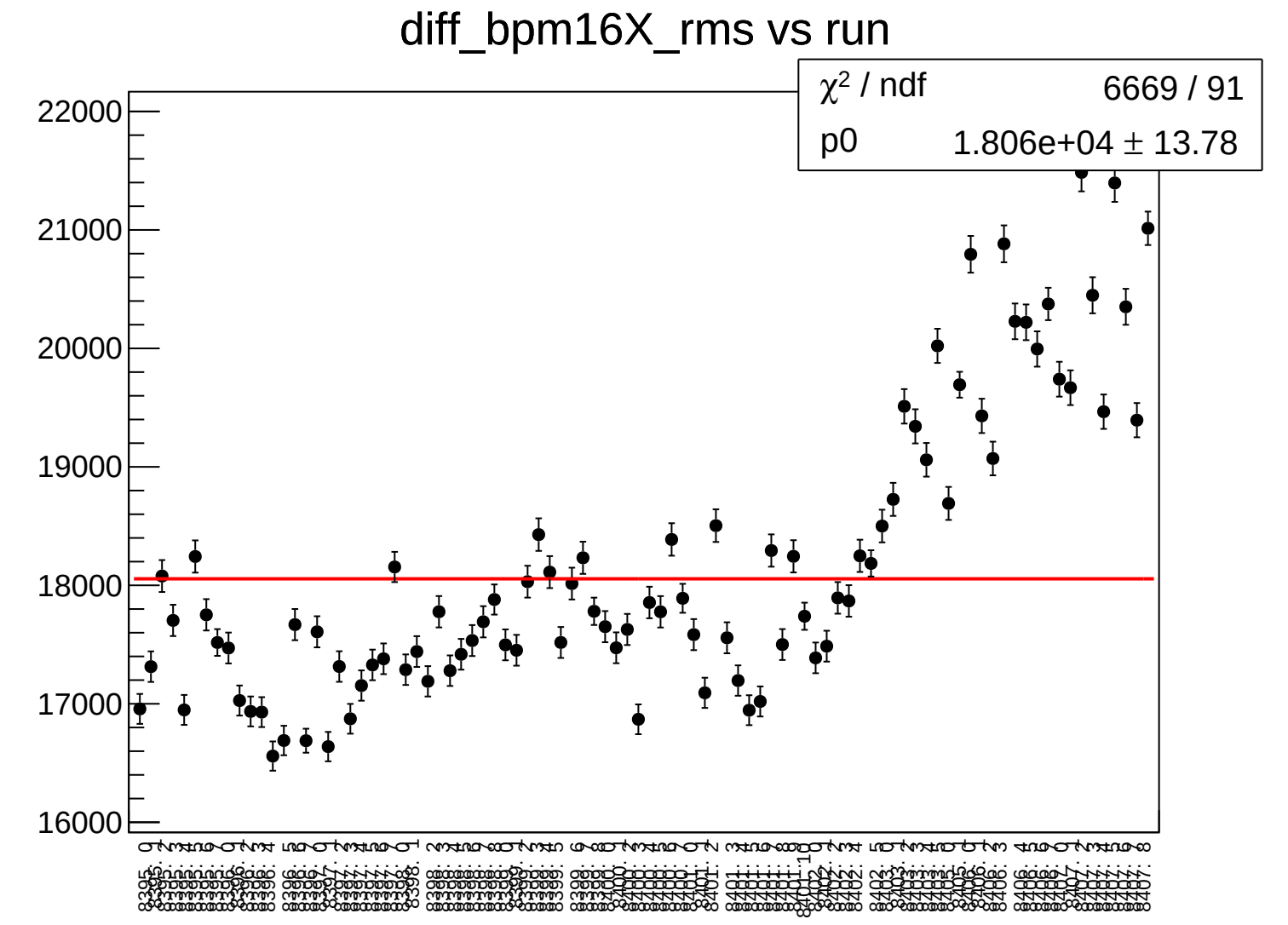

diff_bpm12Y_mean vs run
χ² / ndf 96.04 / 91
p0 6.868 ± 2.27
pull
Entries 92
Mean 132.3
Std Dev 0

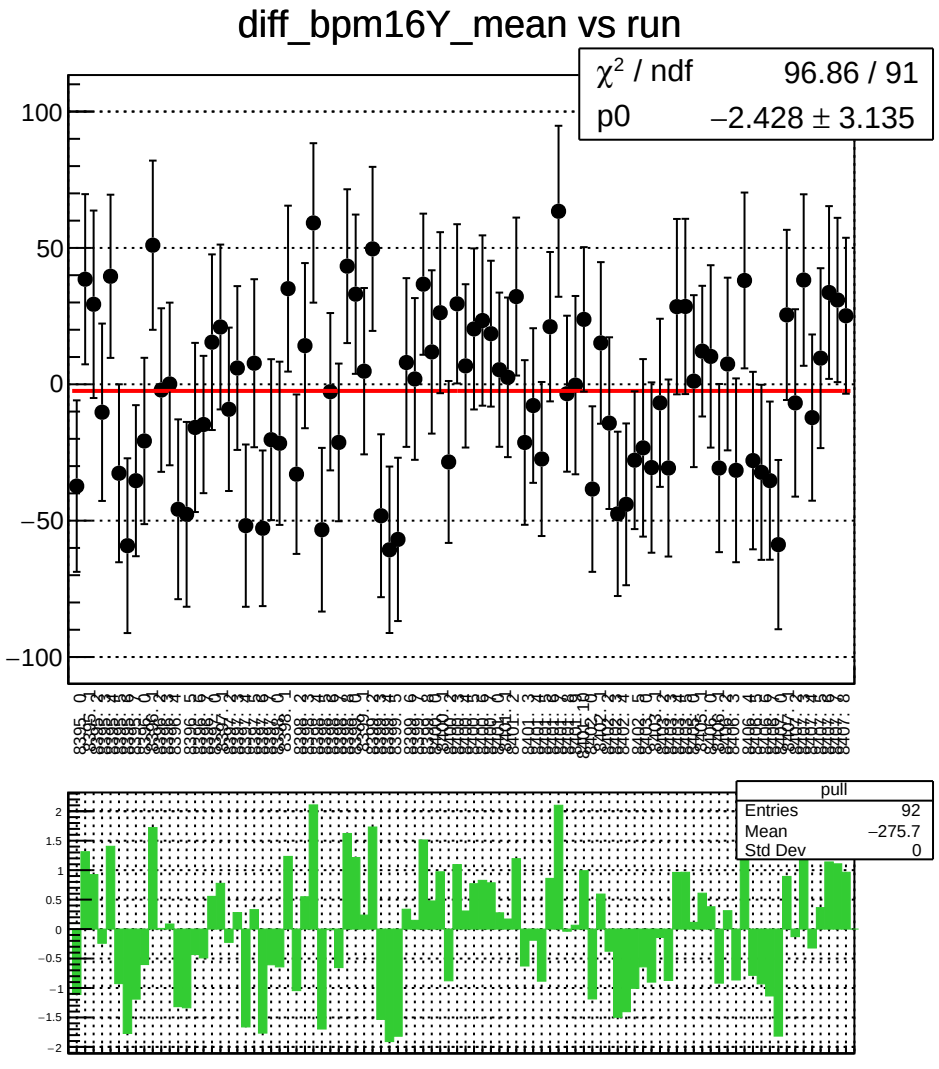

pull1D
Entries 92
Mean −0.01109
Std Dev 1.022

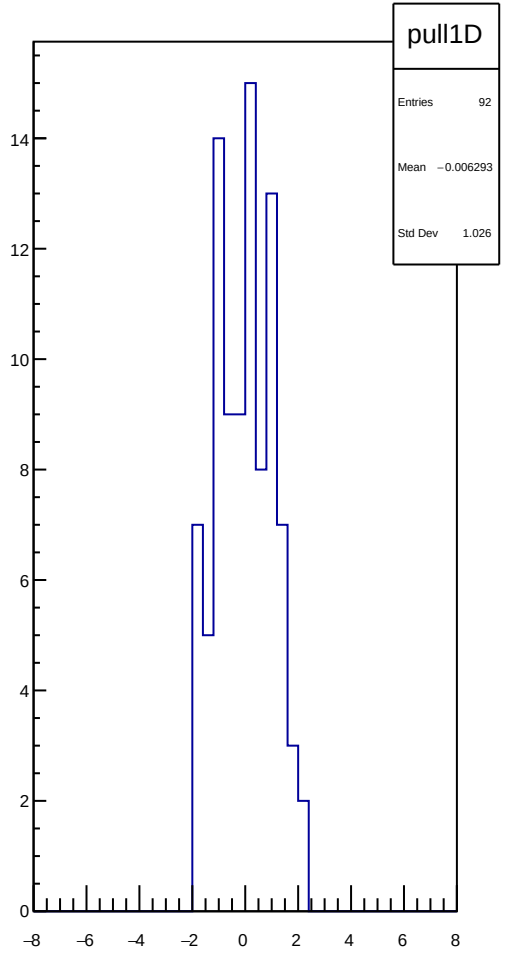

diff_bpm12Y_rms vs run
$\chi^2$ / ndf 1266 / 91
p0 2106 ± 1.605
2300
2250
2200
2150
2100
2050
2000
1950

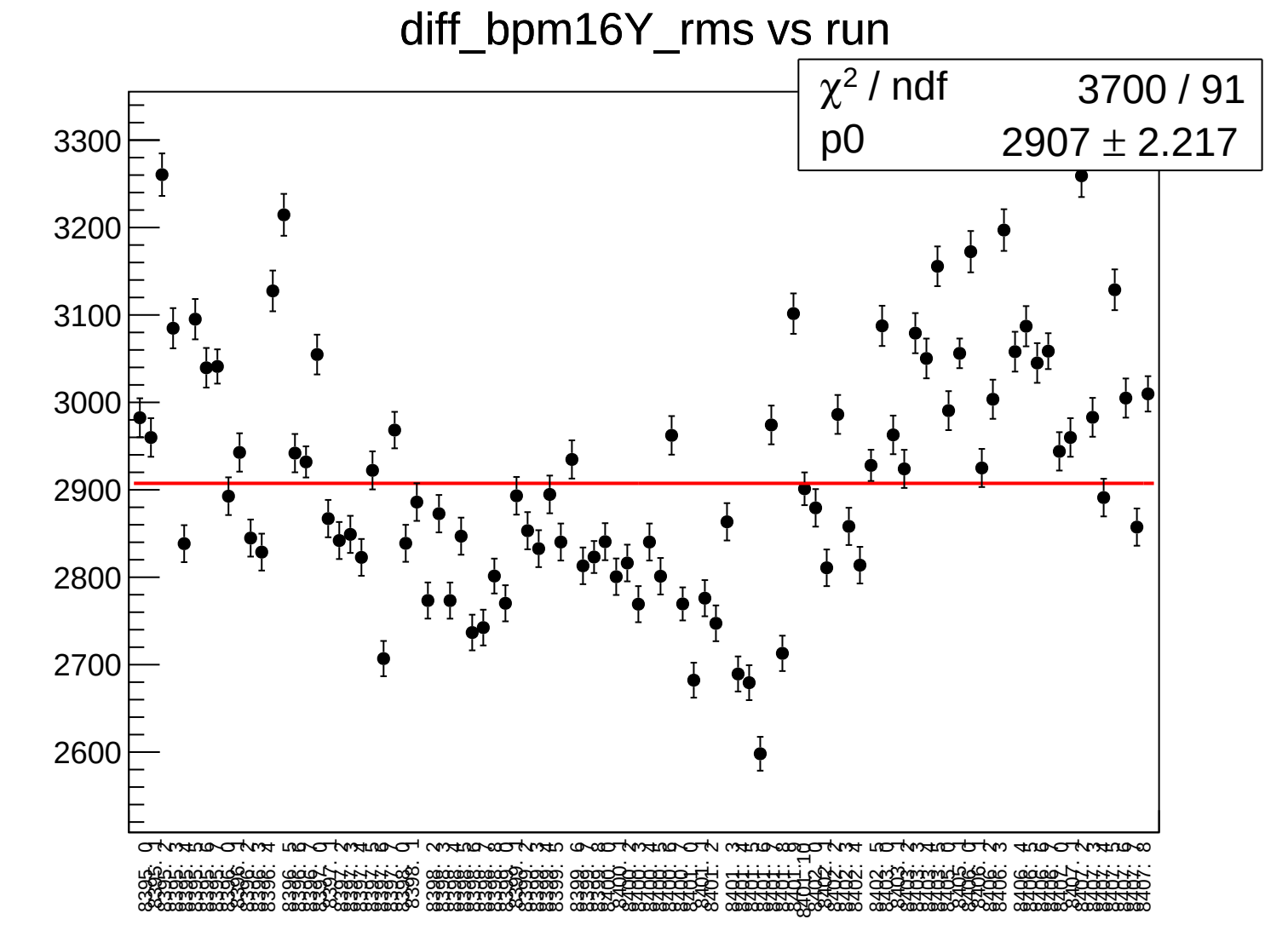

diff_bpm16X_mean vs run
$\chi^2$ / ndf 79.52 / 91
p0 14.75 ± 19.49
pull
Entries 92
Mean 214.4
Std Dev 0

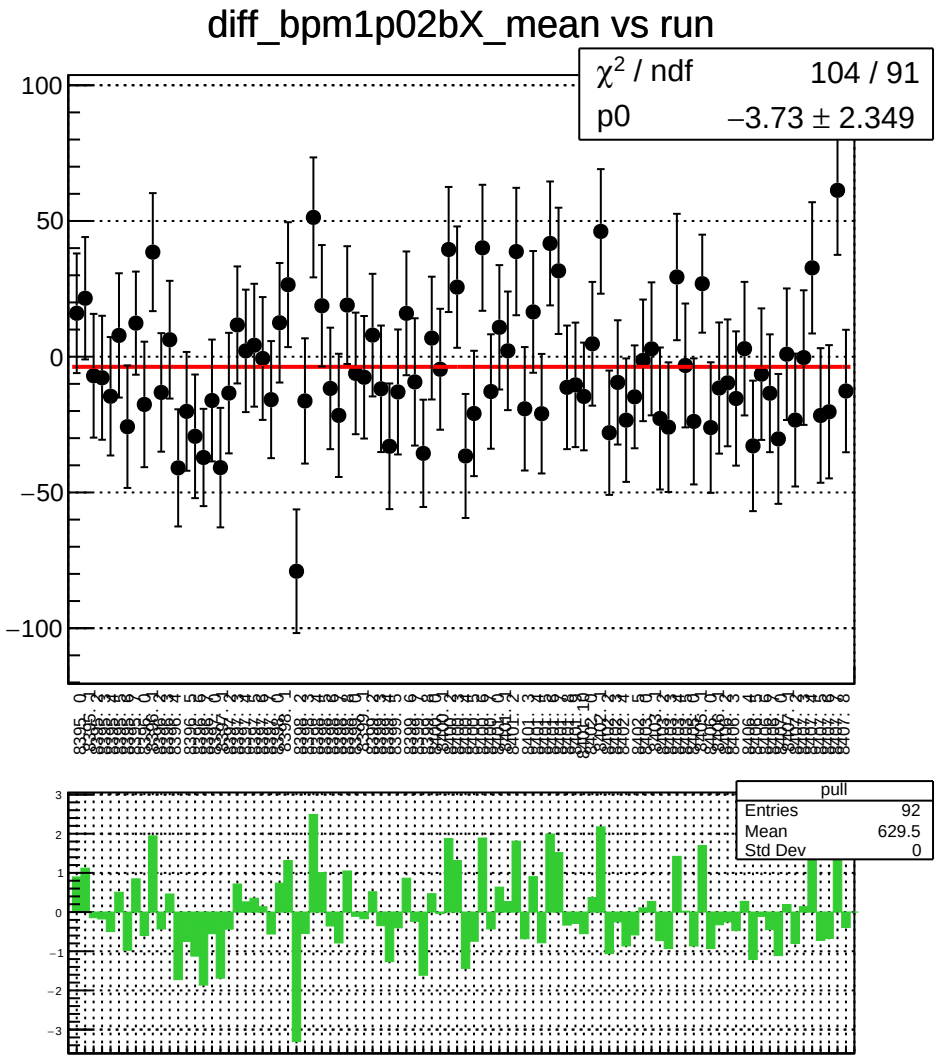

pull1D
Entries 92
Mean 0.00381
Std Dev 0.9297

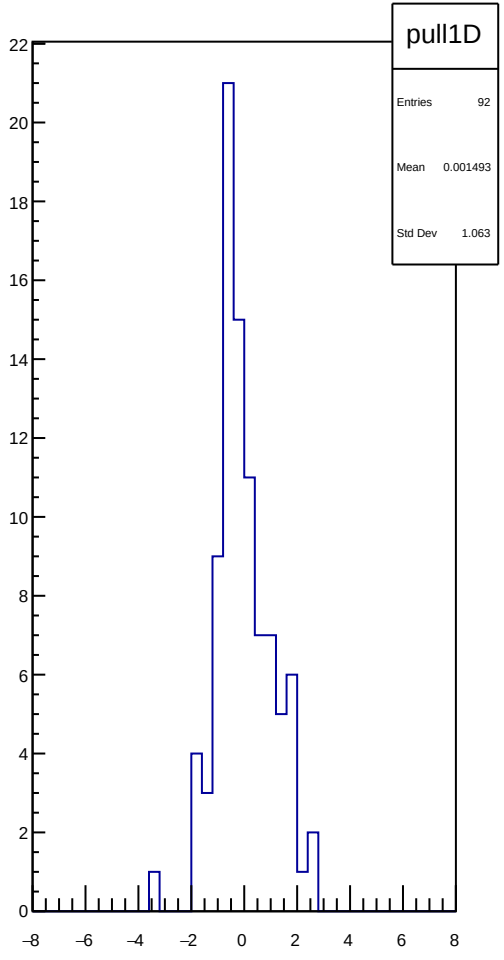

diff_bpm16X_rms vs run
χ² / ndf 6669 / 91
p0 1.806e+04 ± 13.78
22000
21000
20000
19000
18000
17000
16000

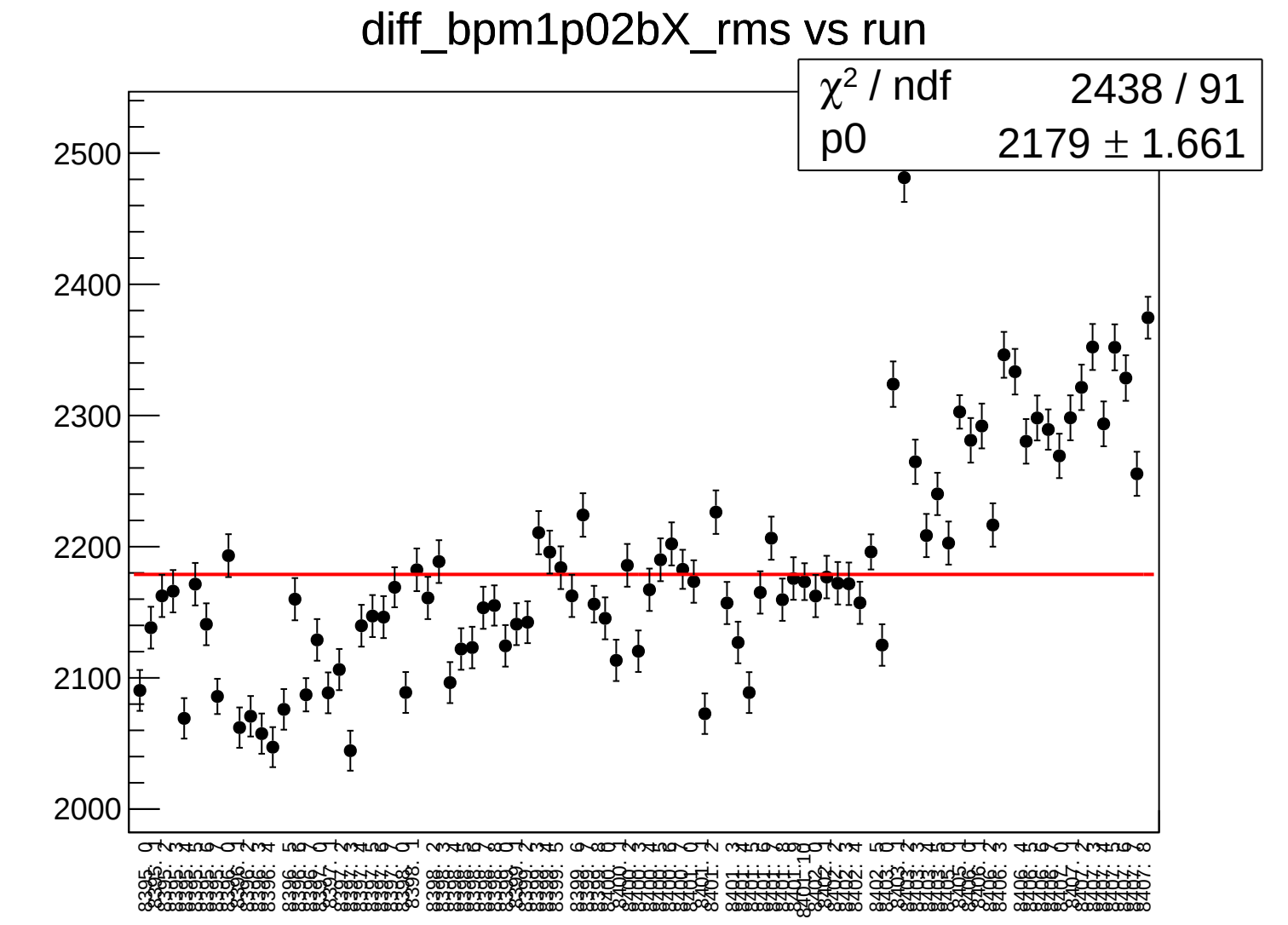

diff_bpm16Y_mean vs run
χ² / ndf 96.86 / 91
p0 −2.428 ± 3.135
100
50
0
−50
−100
pull
Entries 92
Mean −275.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

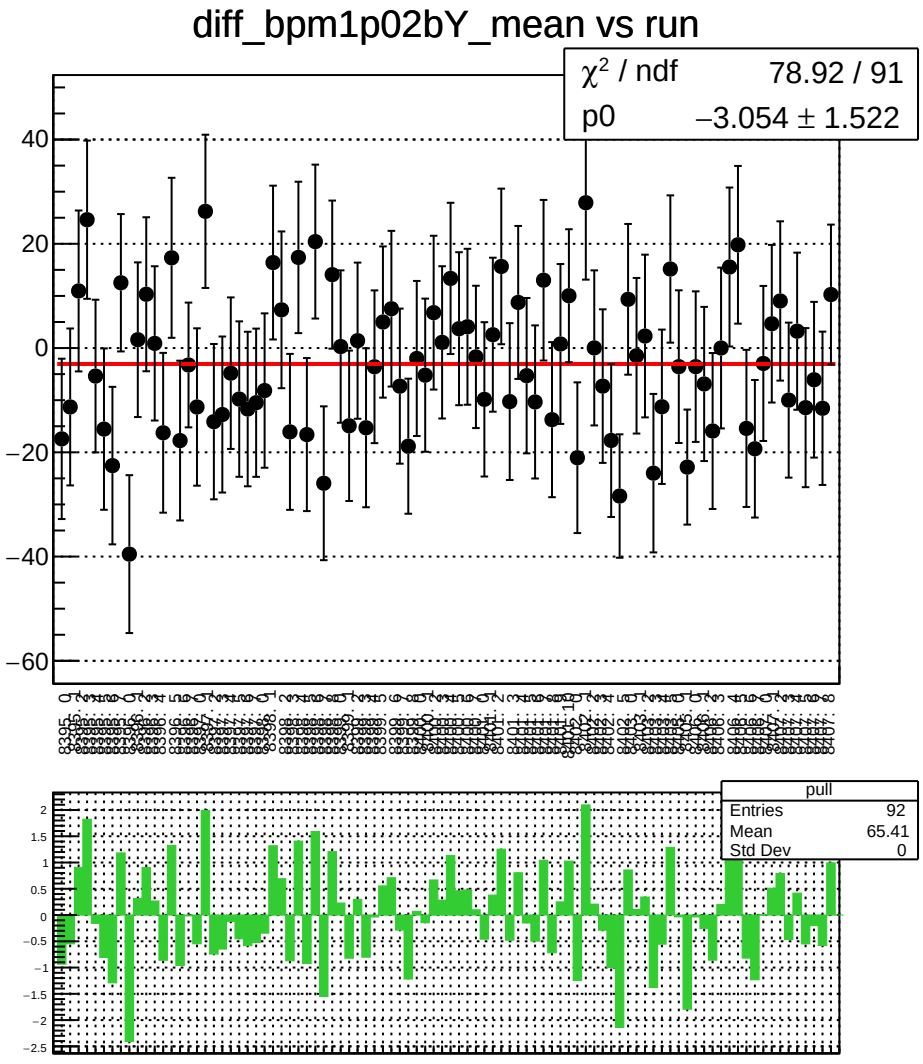

pull1D
Entries 92
Mean −0.006293
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

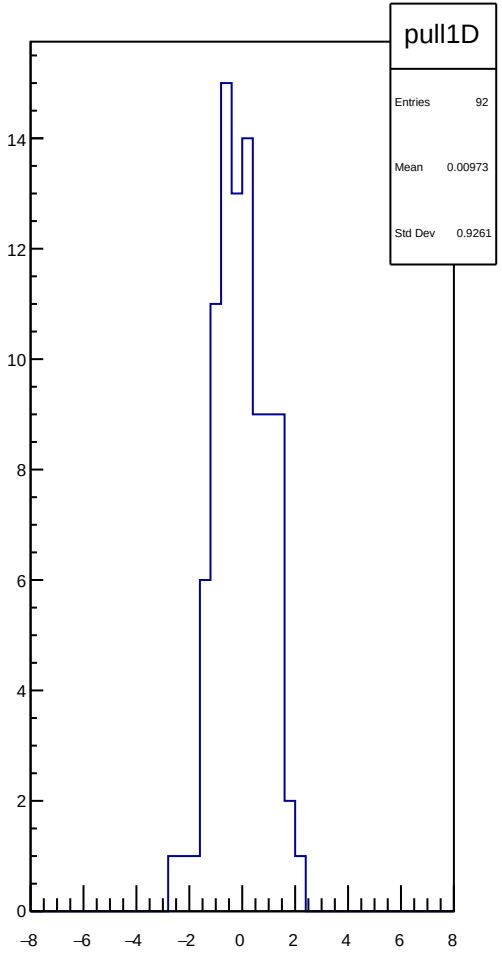

diff_bpm16Y_rms vs run
χ² / ndf 3700 / 91
p0 2907 ± 2.217
3300
3200
3100
3000
2900
2800
2700
2600

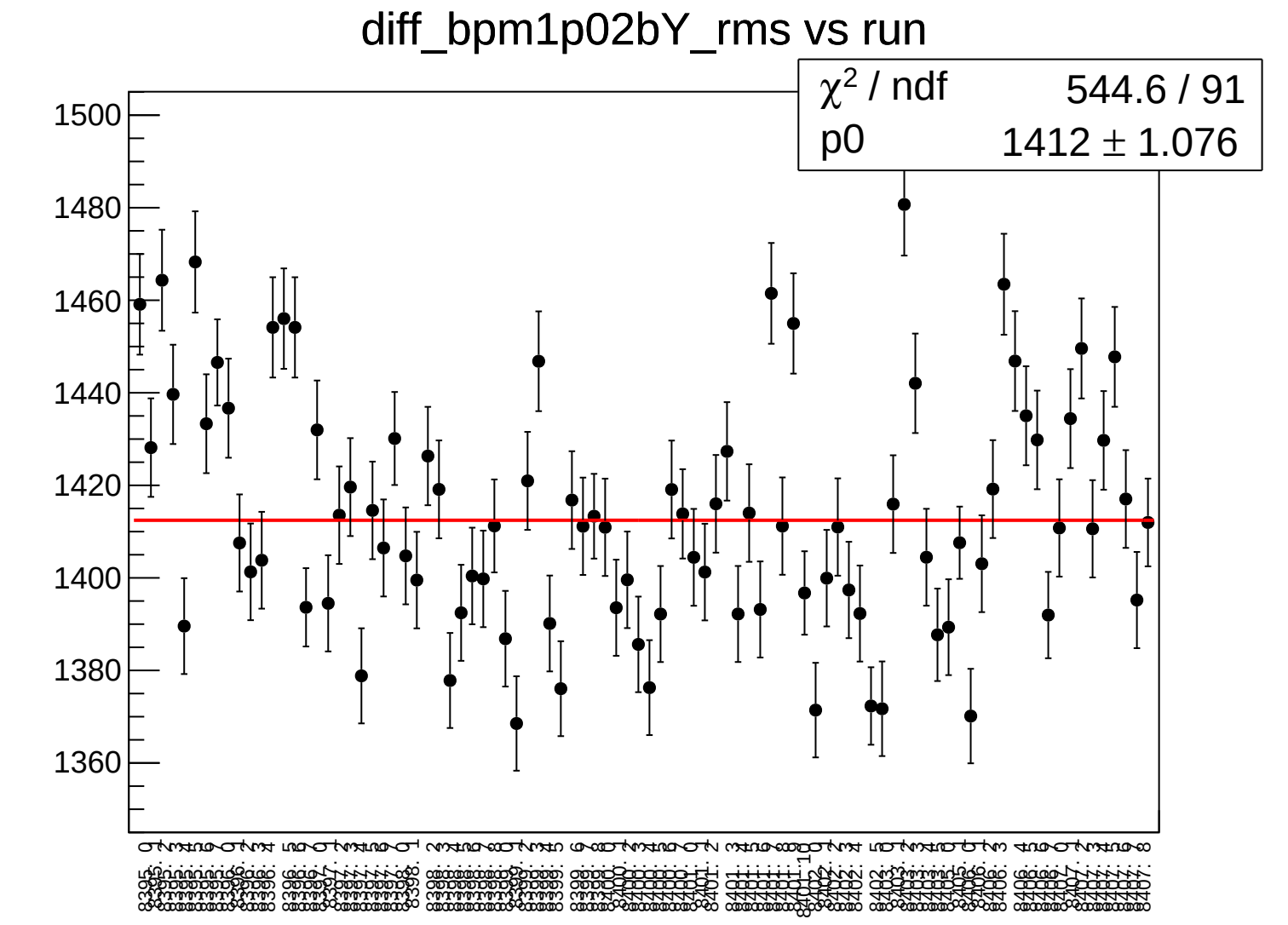

diff_bpm1p02bX_mean vs run
χ² / ndf 104 / 91
p0 −3.73 ± 2.349
100
50
0
−50
−100
pull
Entries 92
Mean 629.5
Std Dev 0
3
2
1
0
−1
−2
−3

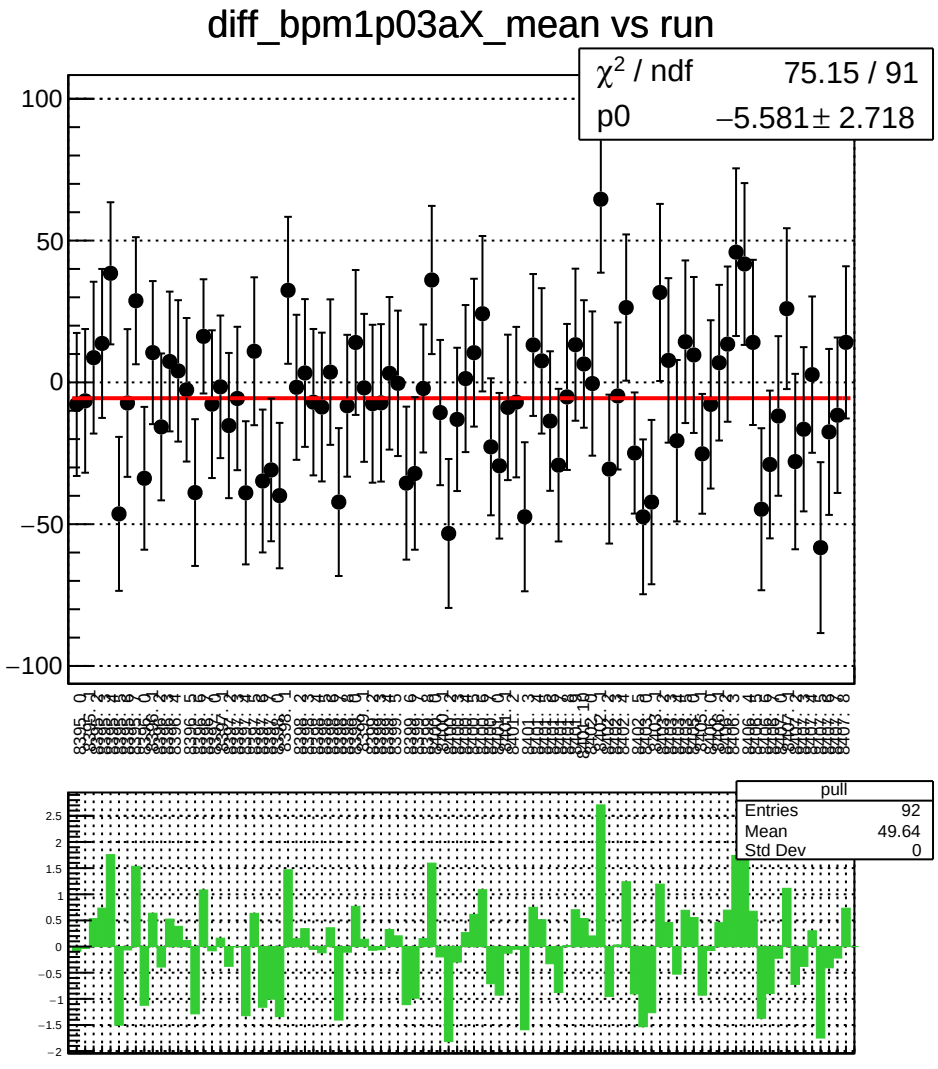

pull1D
Entries 92
Mean 0.001493
Std Dev 1.063
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

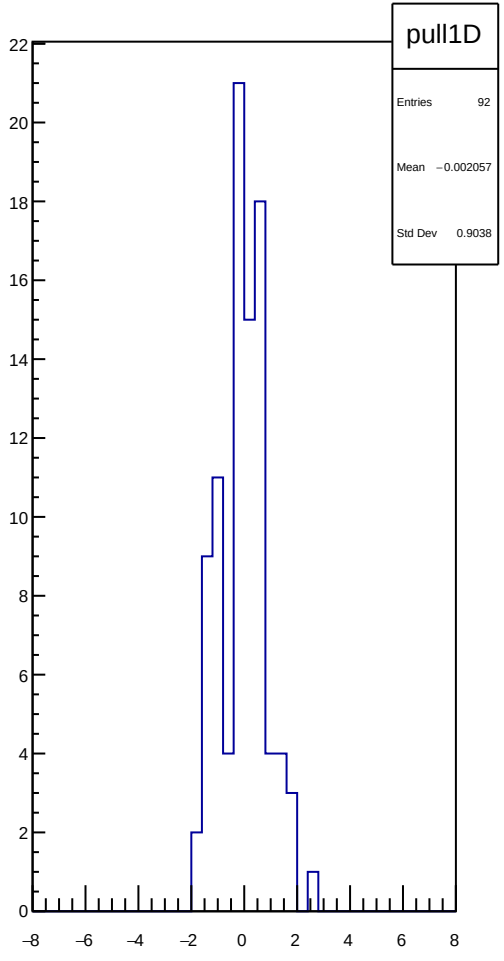

diff_bpm1p02bX_rms vs run
χ² / ndf 2438 / 91
p0 2179 ± 1.661
2500
2400
2300
2200
2100
2000

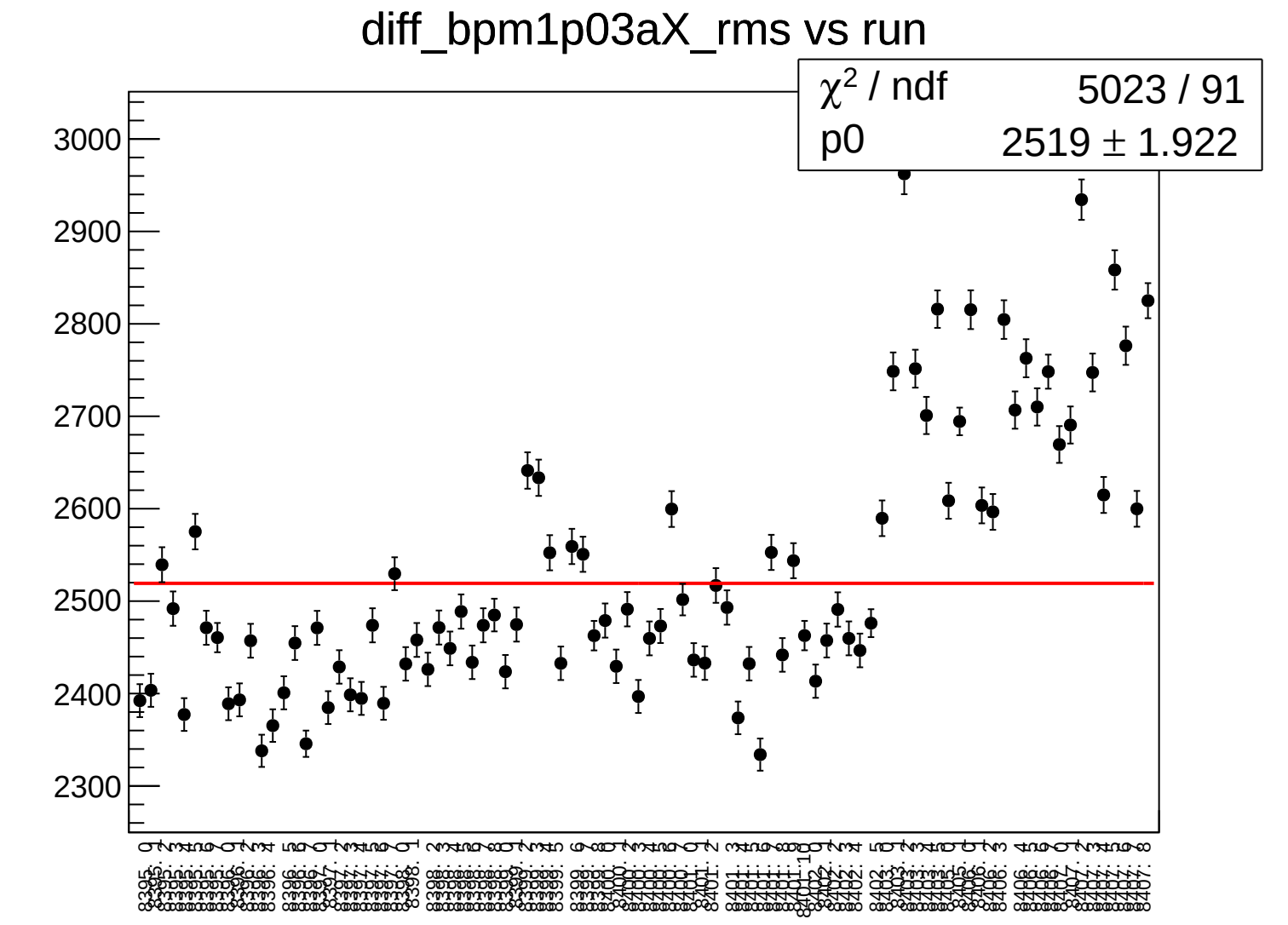

diff_bpm1p02bY_mean vs run
χ² / ndf 78.92 / 91
p0 −3.054 ± 1.522
pull
Entries 92
Mean 65.41
Std Dev 0

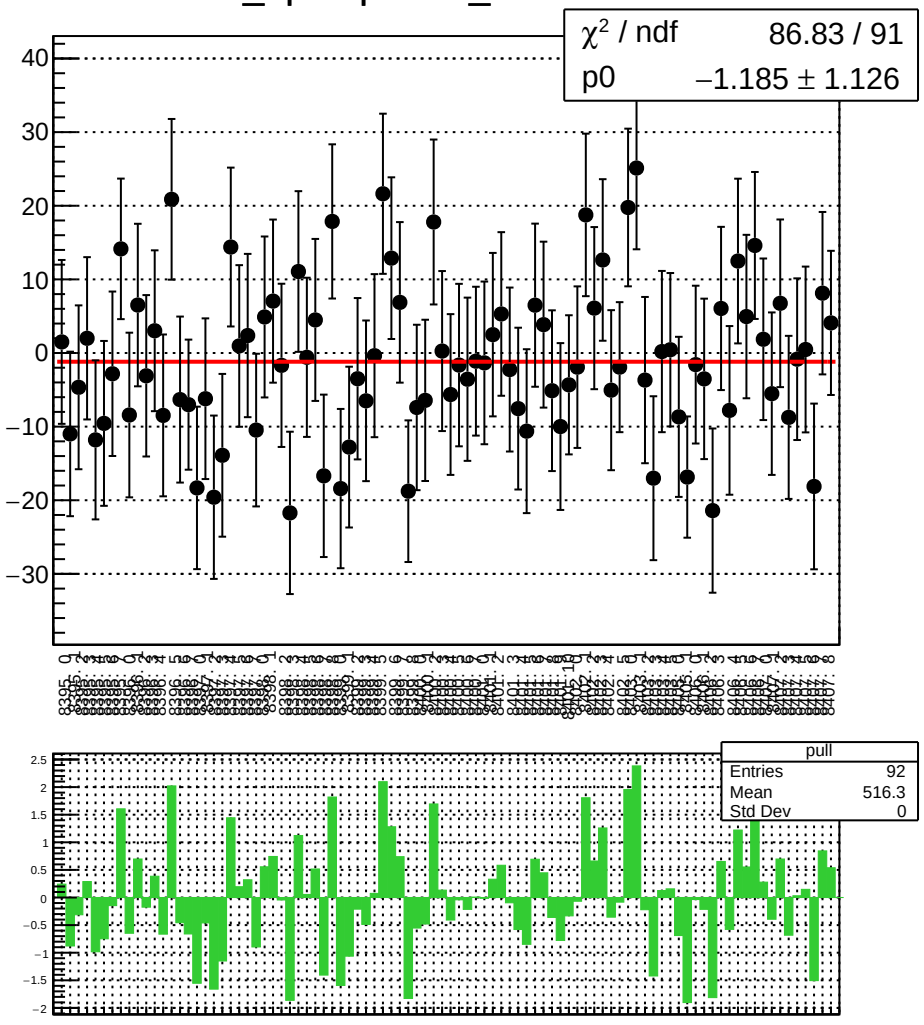

pull1D
Entries 92
Mean 0.00973
Std Dev 0.9261

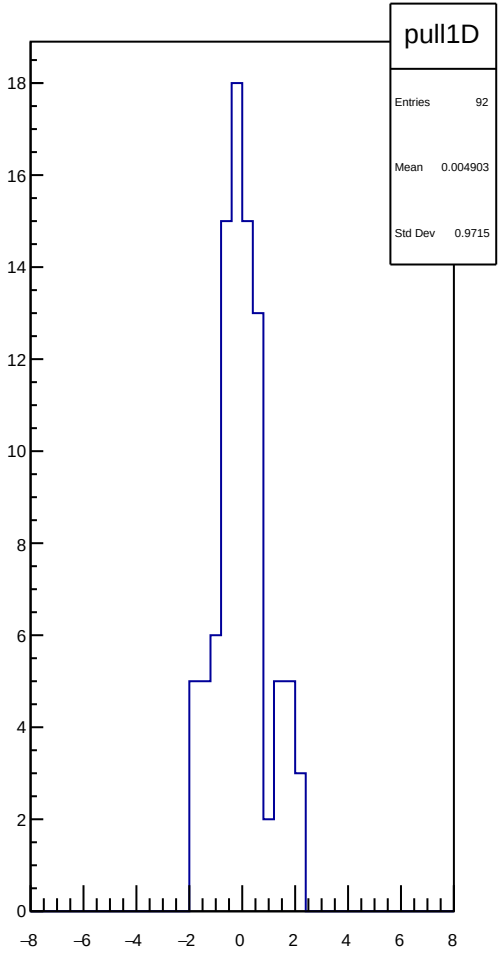

diff_bpm1p02bY_rms vs run
χ² / ndf 544.6 / 91
p0 1412 ± 1.076
1500
1480
1460
1440
1420
1400
1380
1360

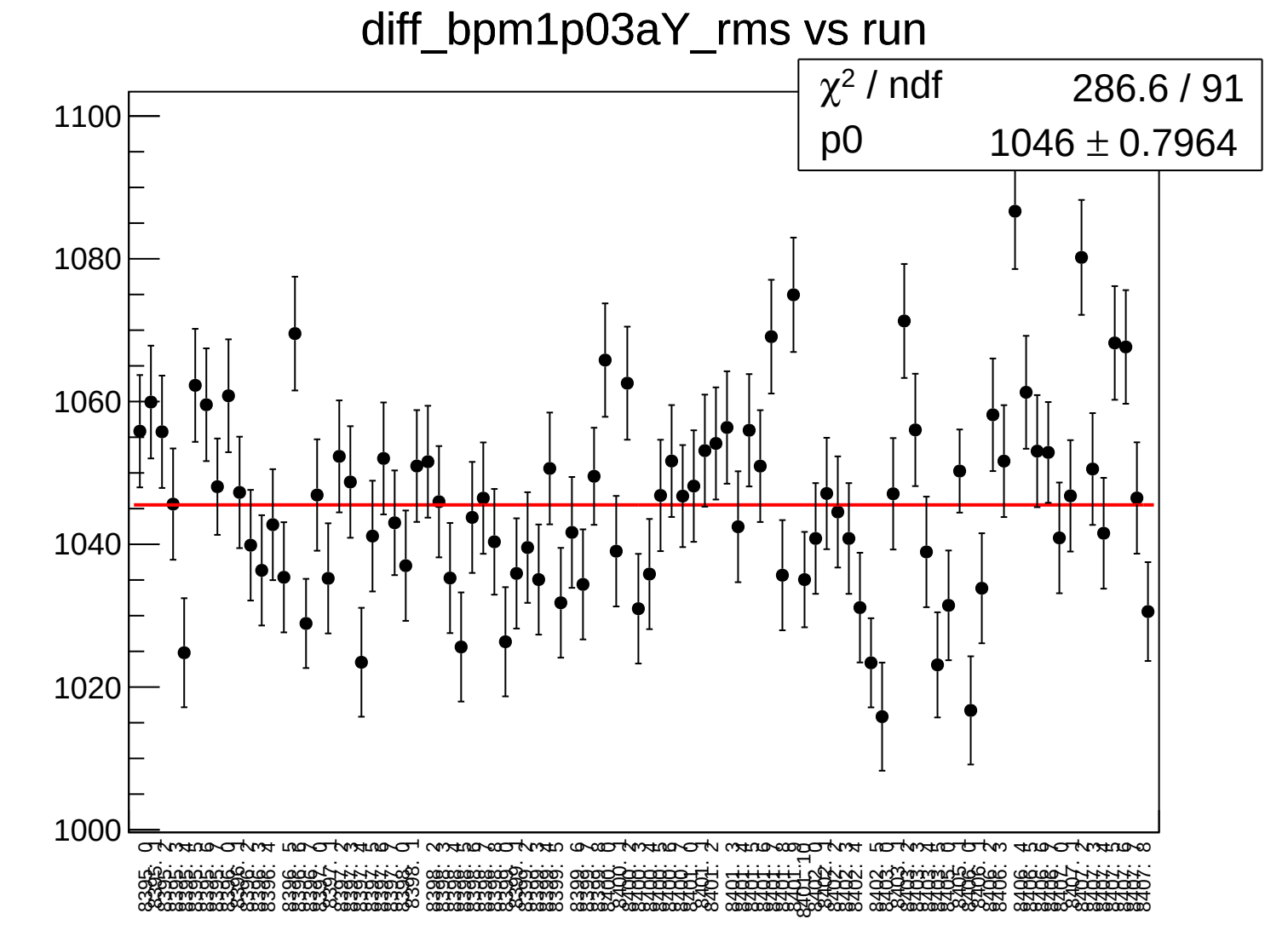

diff_bpm1p03aX_mean vs run
χ² / ndf 75.15 / 91
p0 −5.581 ± 2.718
100
50
0
−50
−100
pull
Entries 92
Mean 49.64
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

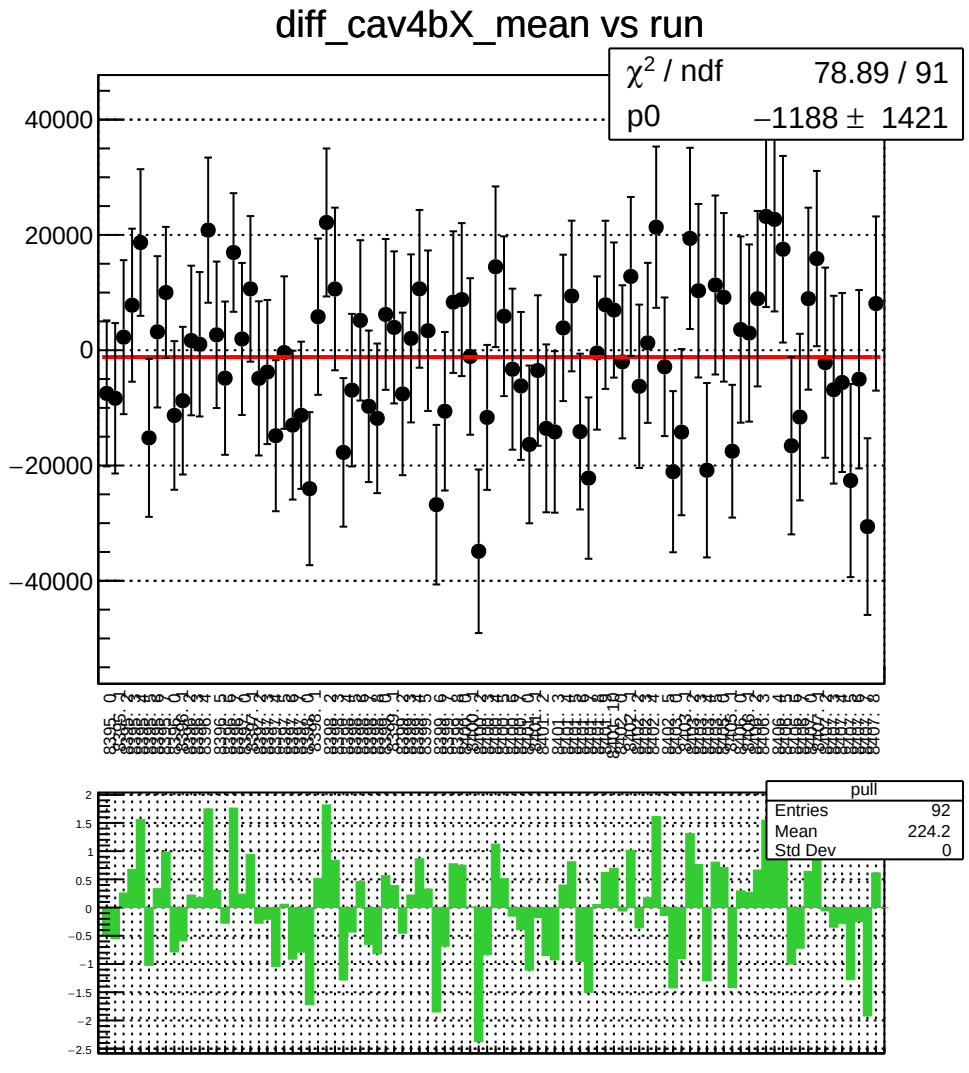

pull1D
Entries 92
Mean −0.002057
Std Dev 0.9038
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

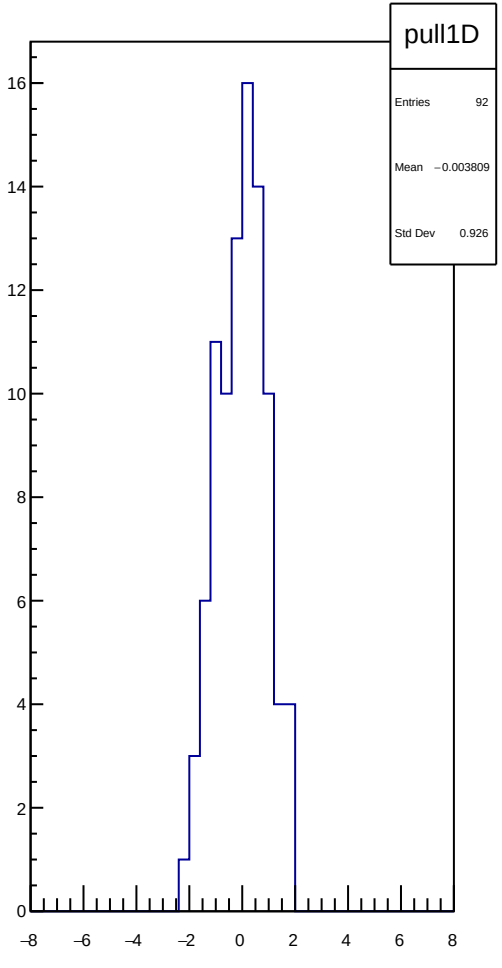

diff_bpm1p03aX_rms vs run
χ² / ndf 5023 / 91
p0 2519 ± 1.922
3000
2900
2800
2700
2600
2500
2400
2300

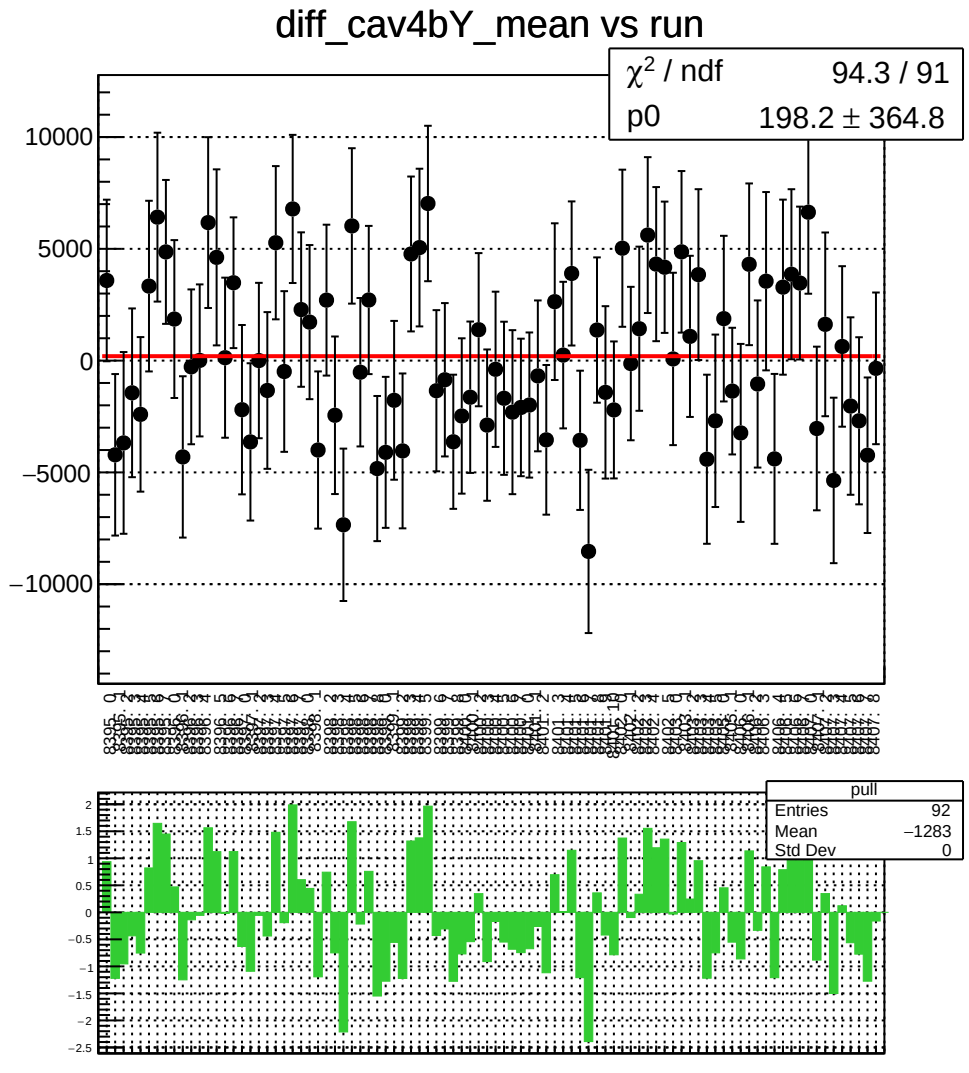

diff_bpm1p03aY_mean vs run
χ² / ndf 86.83 / 91
p0 −1.185 ± 1.126
pull
Entries 92
Mean 516.3
Std Dev 0

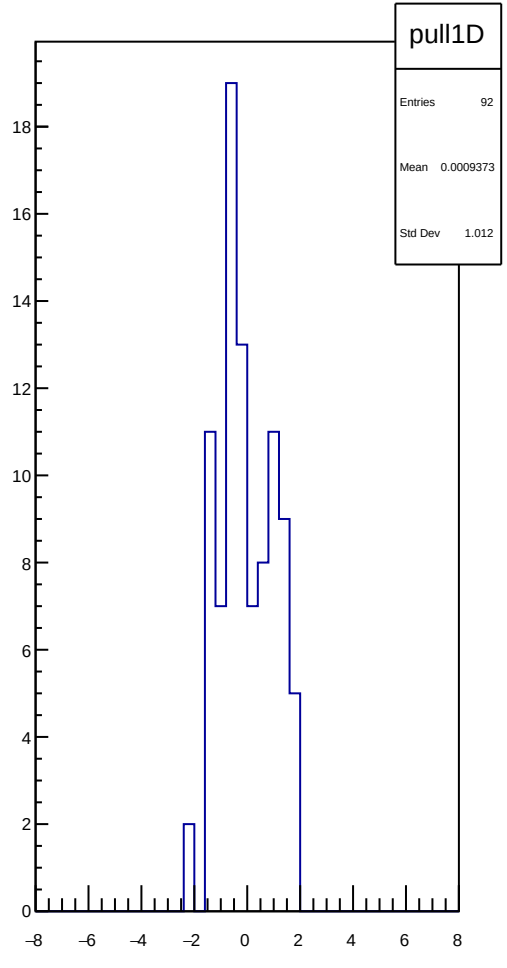

pull1D
Entries 92
Mean 0.004903
Std Dev 0.9715

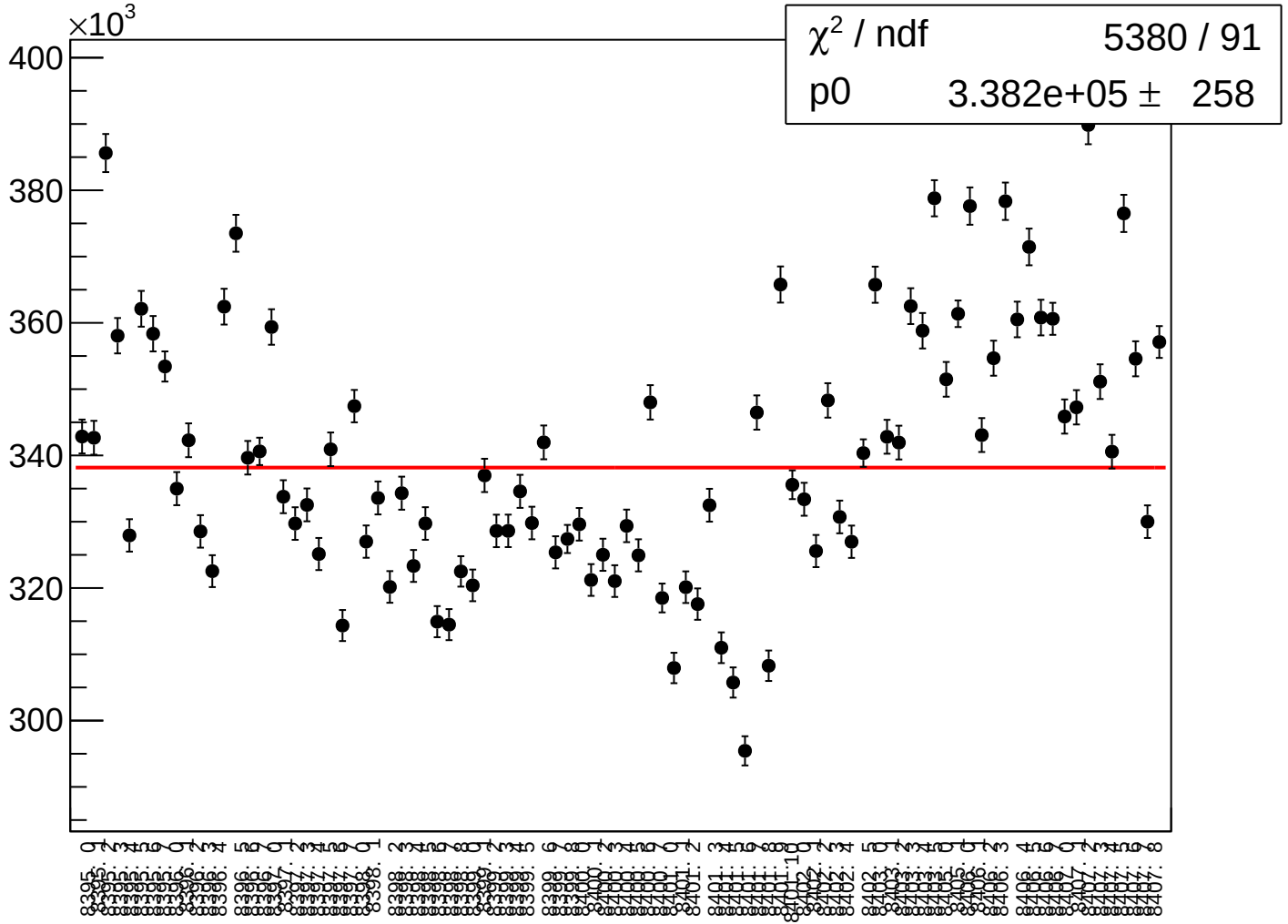

diff_bpm1p03aY_rms vs run
χ² / ndf 286.6 / 91
p0 1046 ± 0.7964
1100
1080
1060
1040
1020
1000

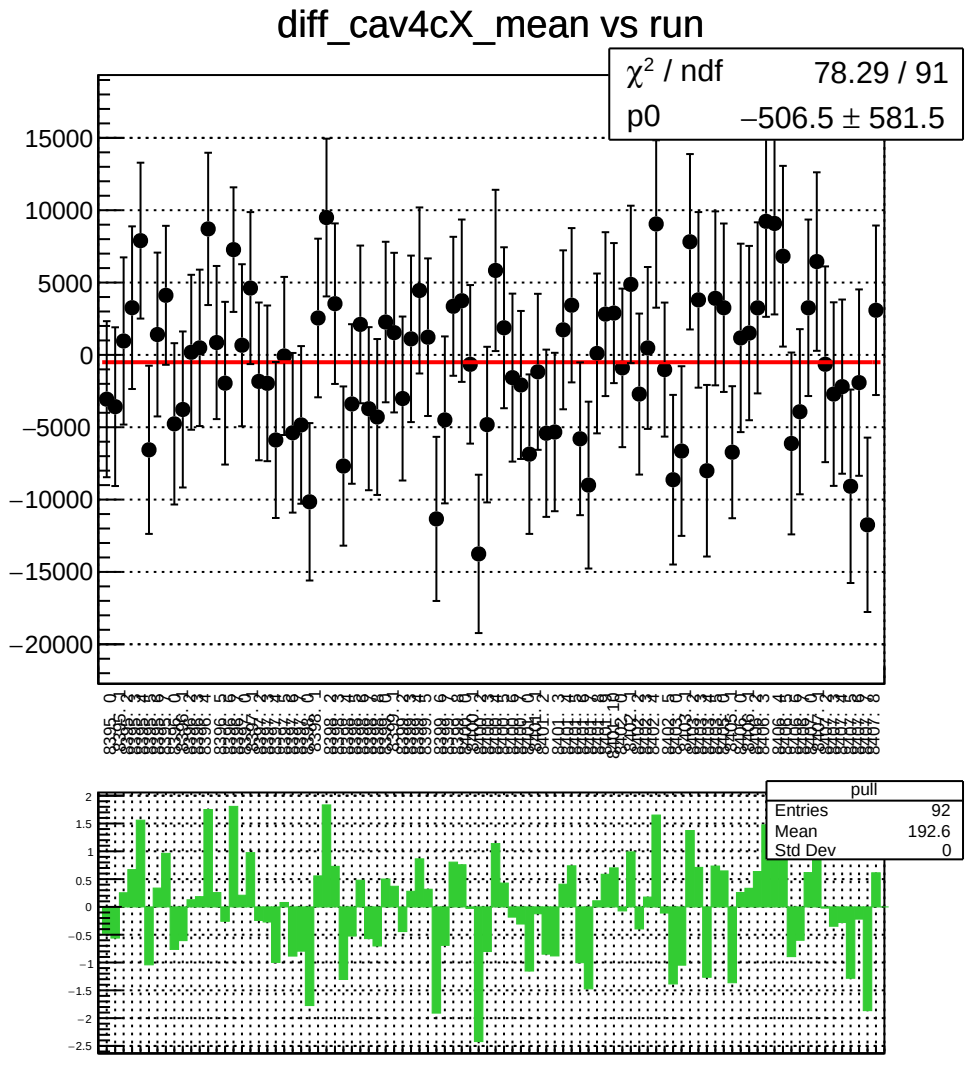

diff_cav4bX_mean vs run
χ² / ndf 78.89 / 91
p0 −1188 ± 1421
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 224.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

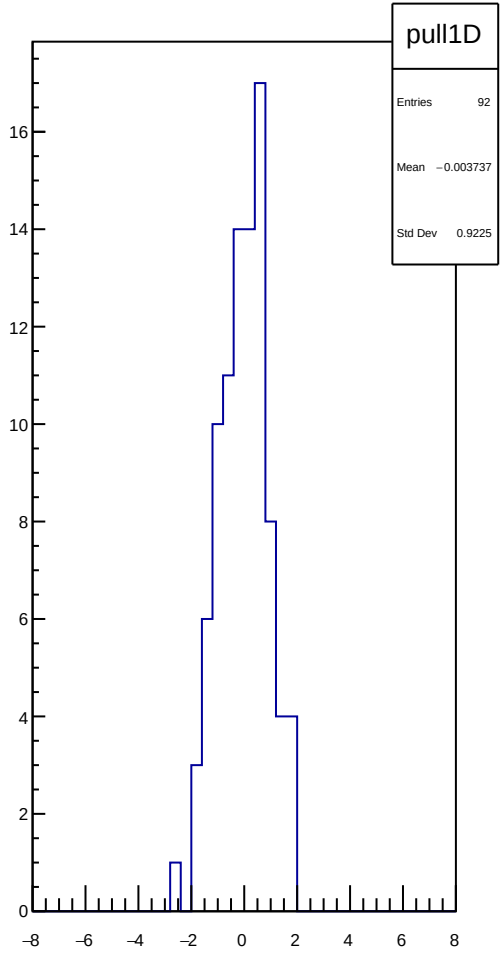

pull1D
Entries 92
Mean −0.003809
Std Dev 0.926
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

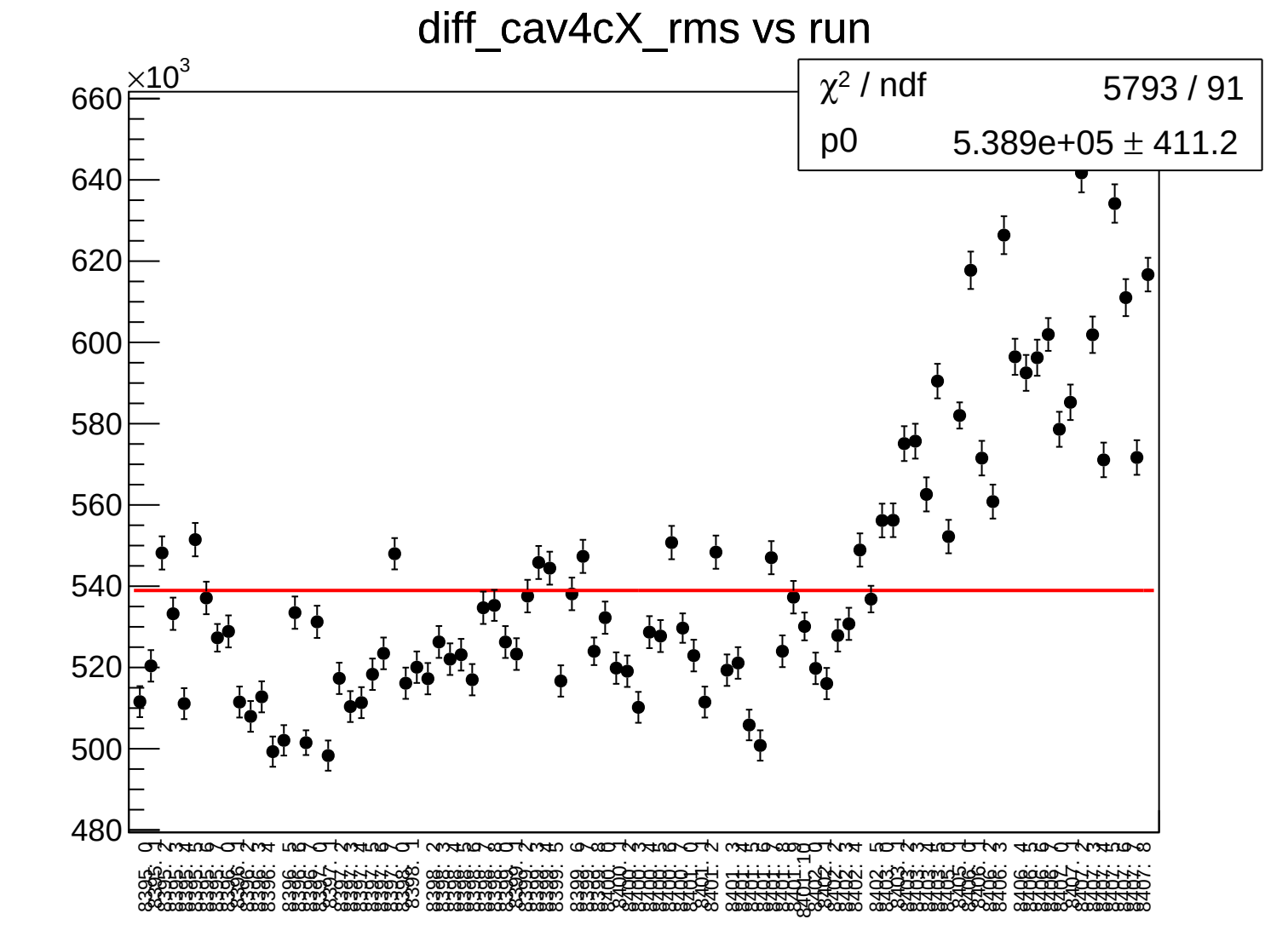

diff_cav4bY_mean vs run
χ² / ndf 94.3 / 91
p0 198.2 ± 364.8
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −1283
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

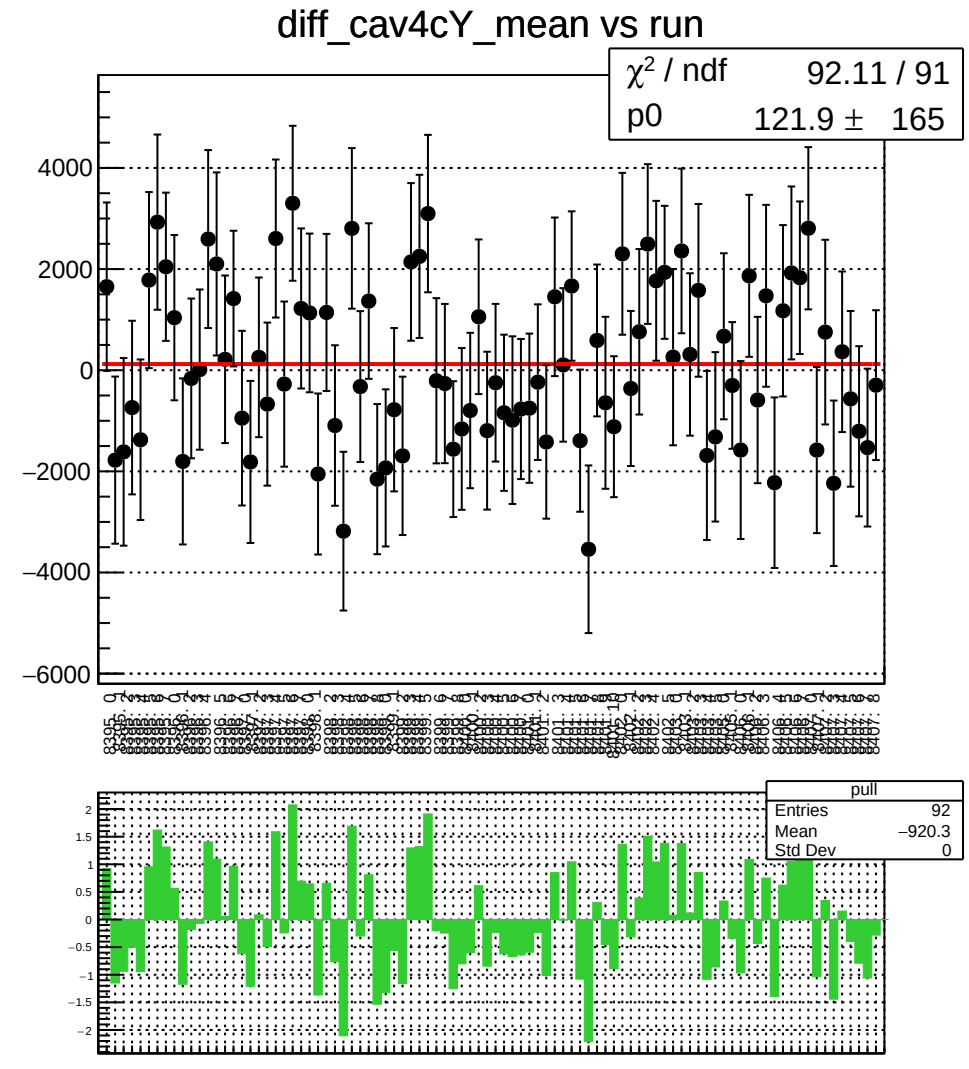

pull1D
Entries 92
Mean 0.0009373
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

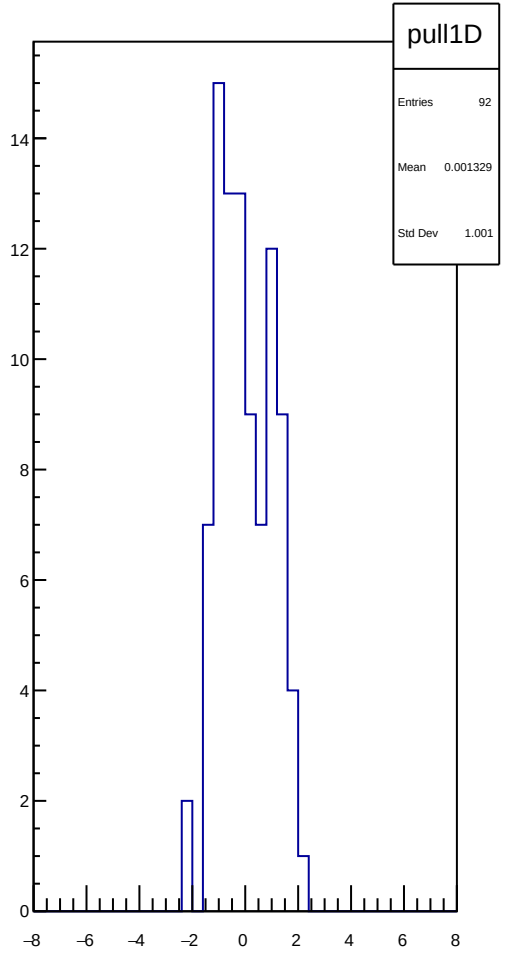

diff_cav4bY_rms vs run
×10^3
400
380
360
340
320
300
χ² / ndf 5380 / 91
p0 3.382e+05 ± 258

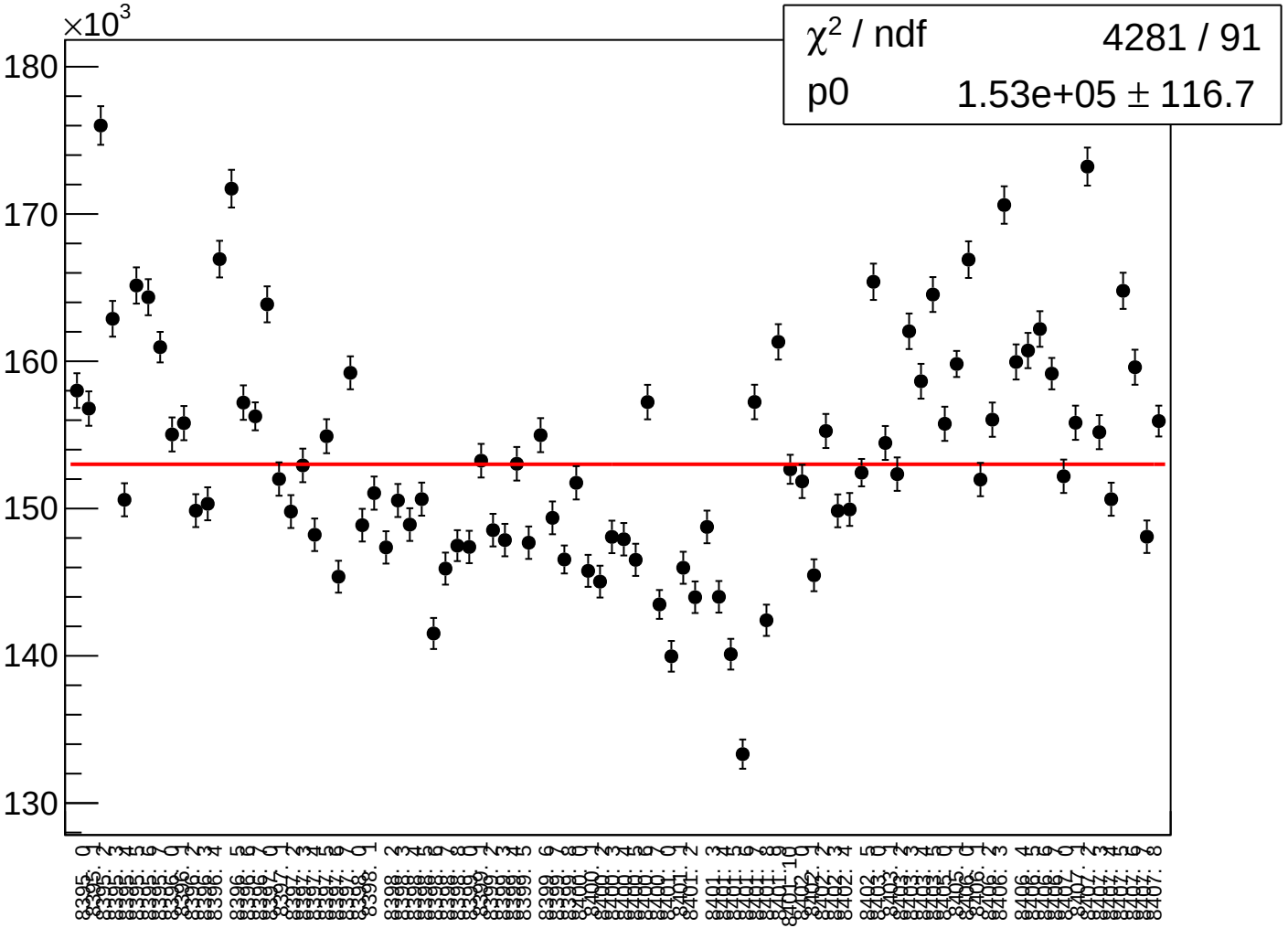

diff_cav4cX_mean vs run
χ² / ndf 78.29 / 91
p0 −506.5 ± 581.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean 192.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

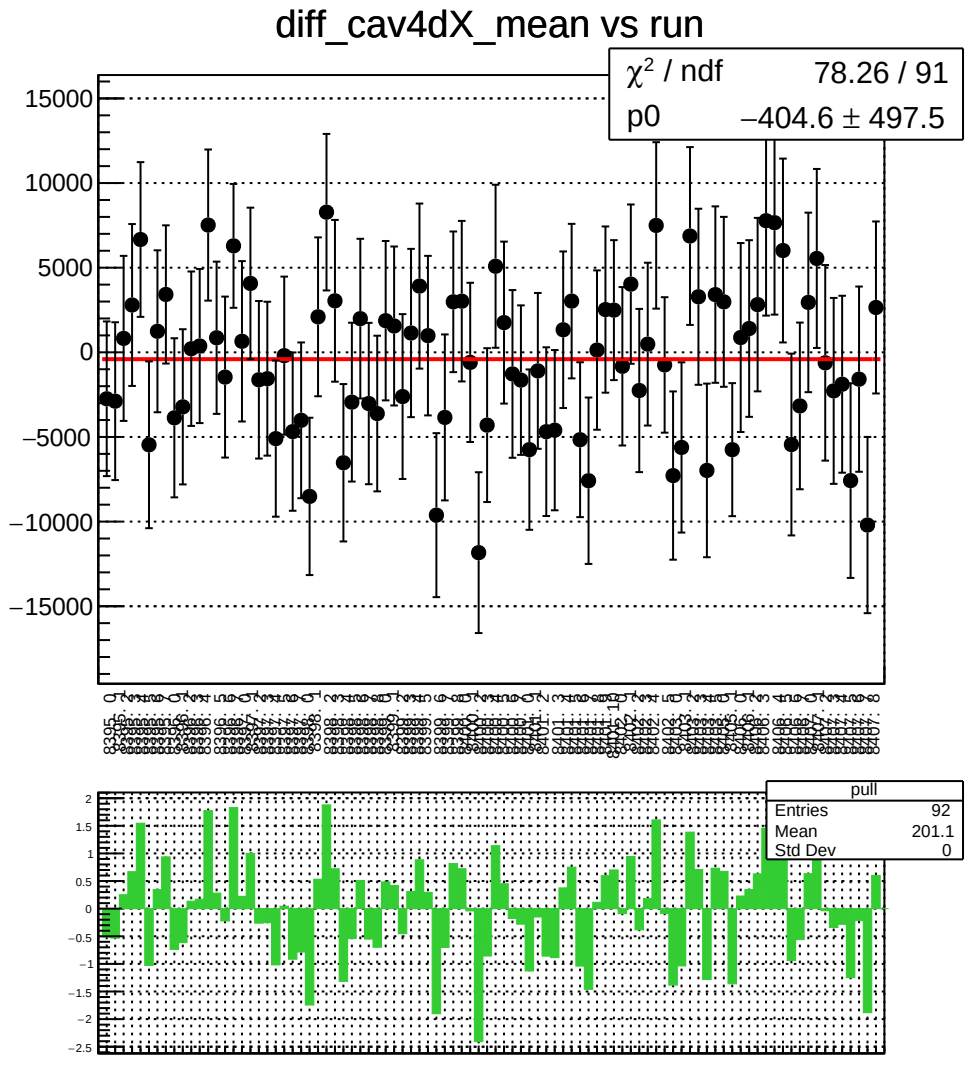

pull1D
Entries 92
Mean −0.003737
Std Dev 0.9225
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

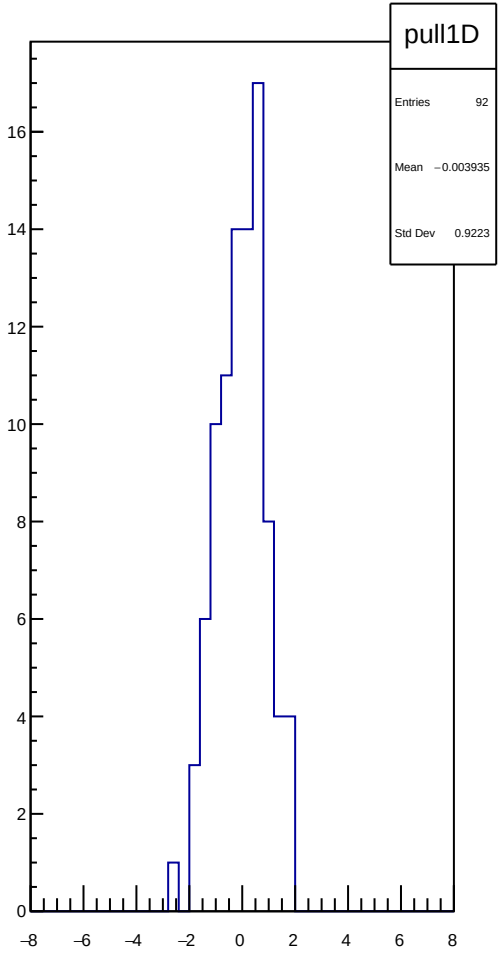

diff_cav4cX_rms vs run
×10^3
660
640
620
600
580
560
540
520
500
480
χ² / ndf 5793 / 91
p0 5.389e+05 ± 411.2

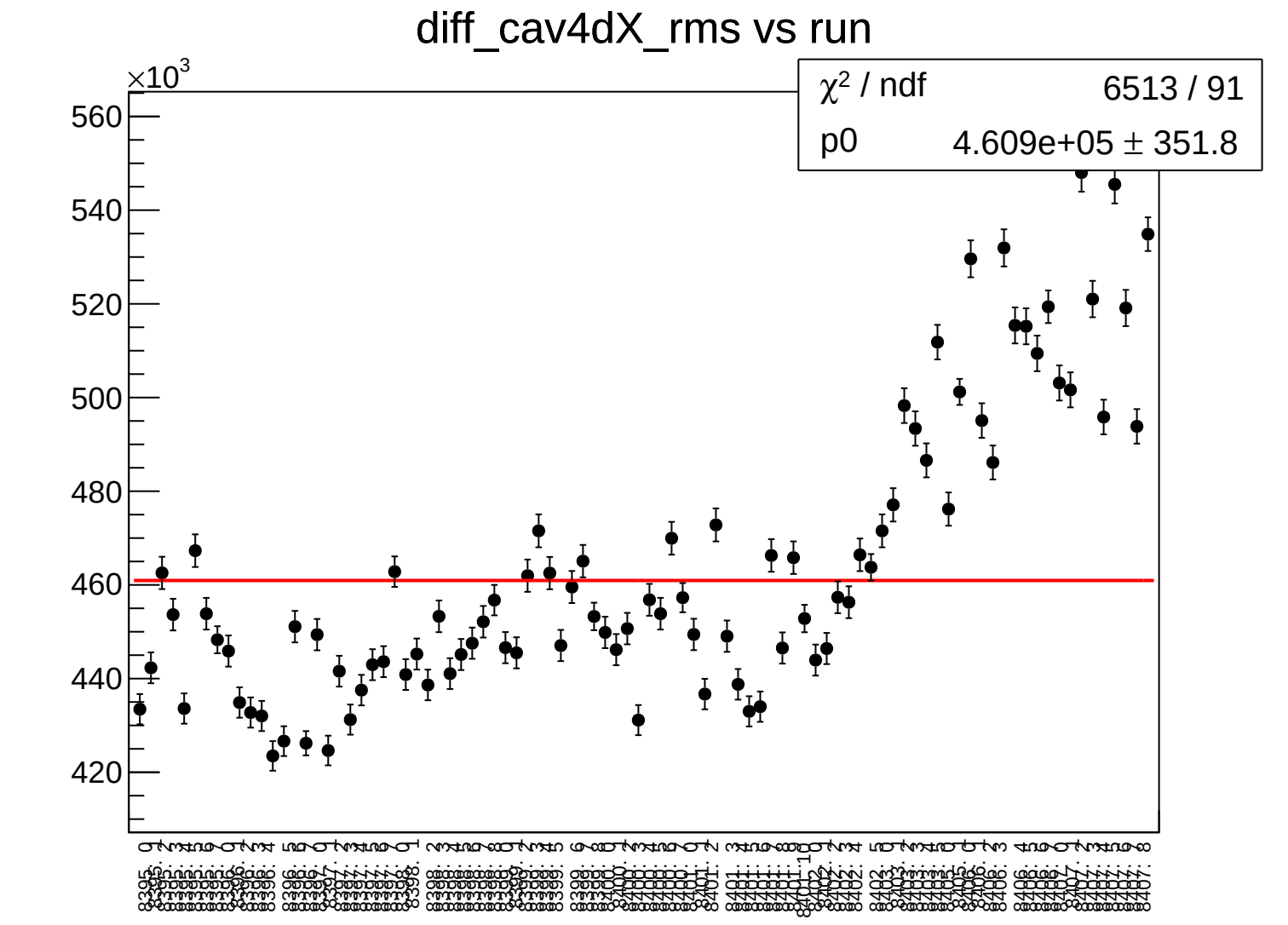

diff_cav4cY_mean vs run
χ² / ndf 92.11 / 91
p0 121.9 ± 165
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −920.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

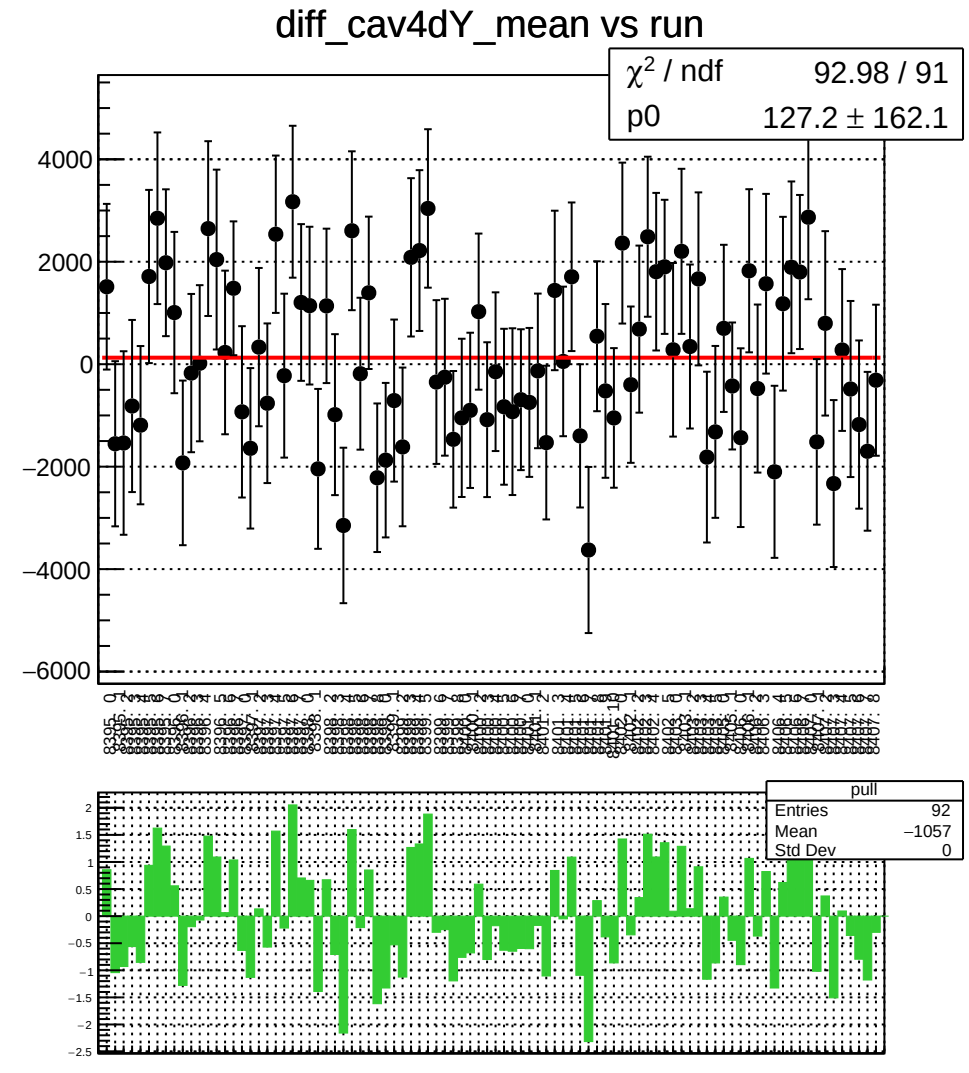

pull1D
Entries 92
Mean 0.001329
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

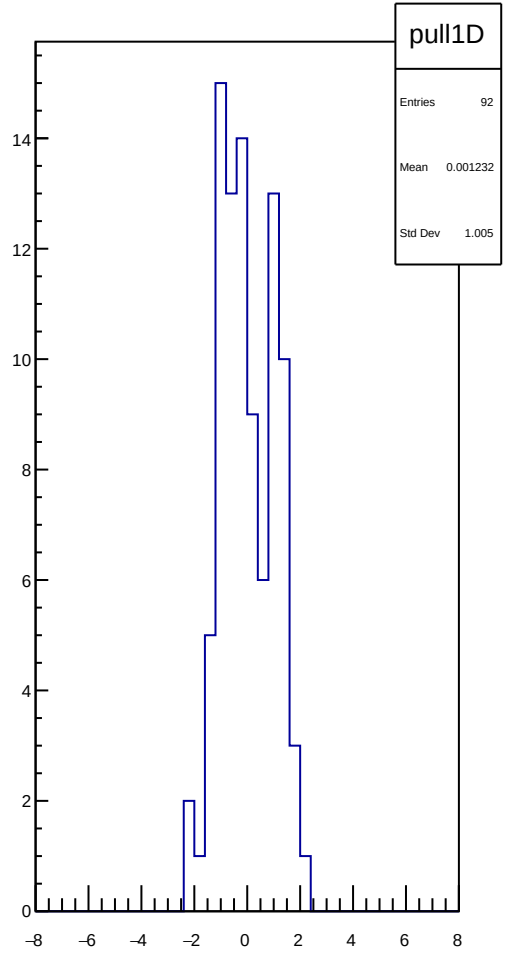

diff_cav4cY_rms vs run
×10^3
180
170
160
150
140
130
χ² / ndf 4281 / 91
p0 1.53e+05 ± 116.7

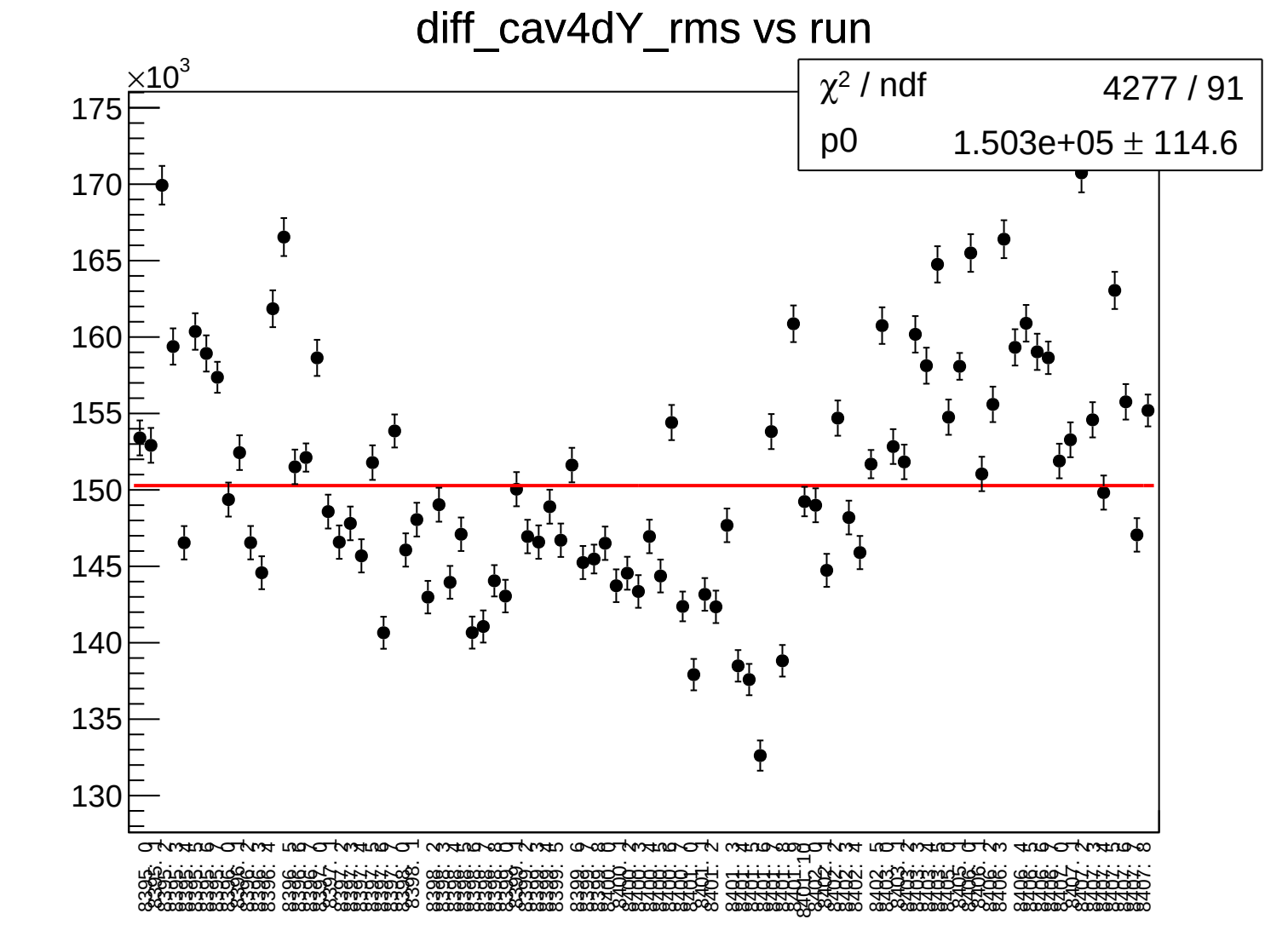

diff_cav4dX_mean vs run
χ² / ndf 78.26 / 91
p0 −404.6 ± 497.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 201.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

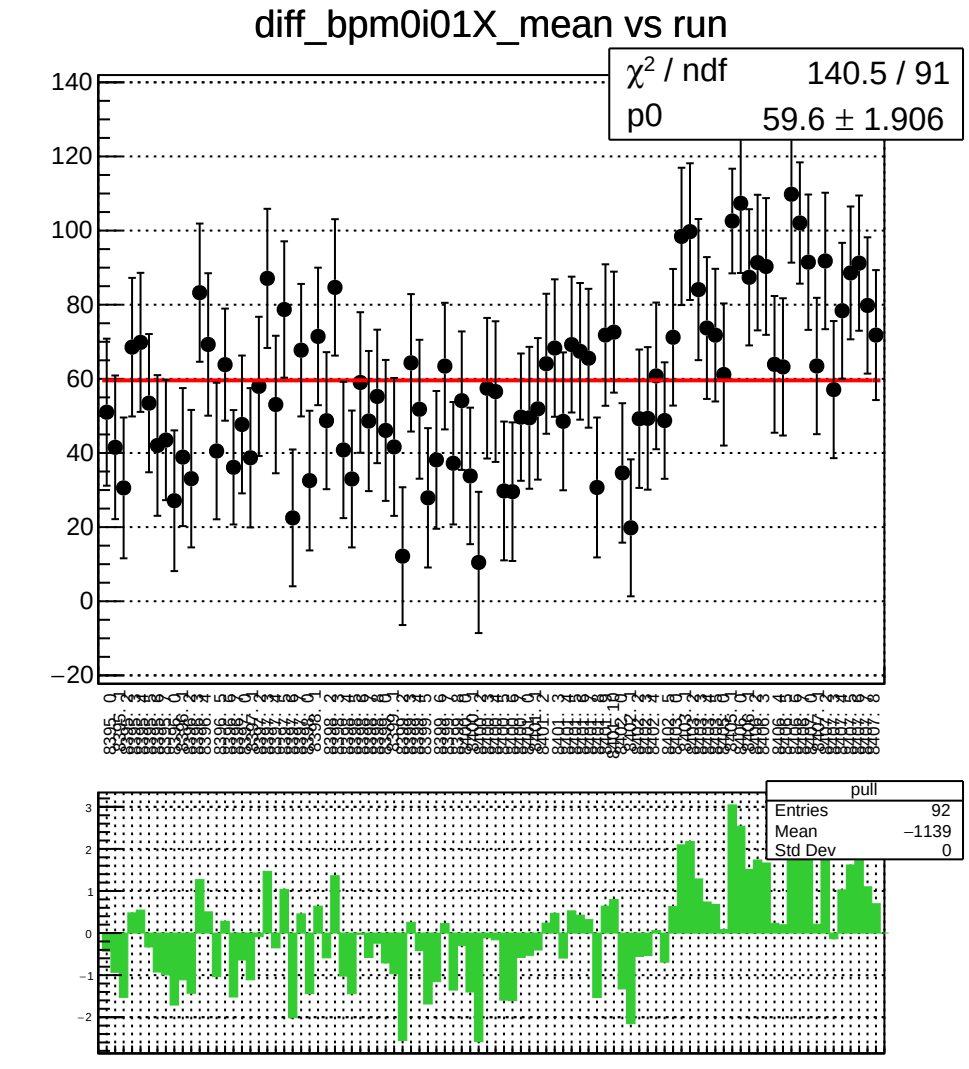

pull1D
Entries 92
Mean −0.003935
Std Dev 0.9223
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

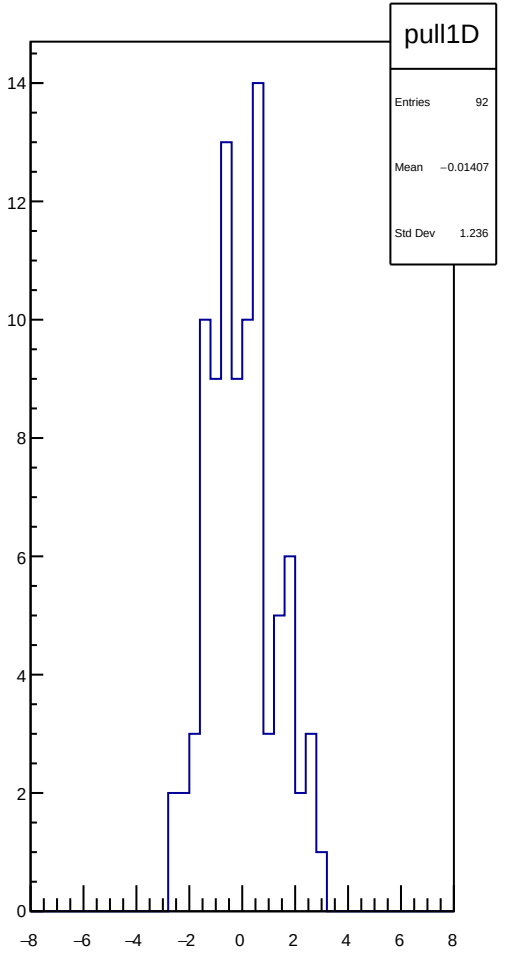

diff_cav4dX_rms vs run
×10^3
560
540
520
500
480
460
440
420
χ² / ndf 6513 / 91
p0 4.609e+05 ± 351.8

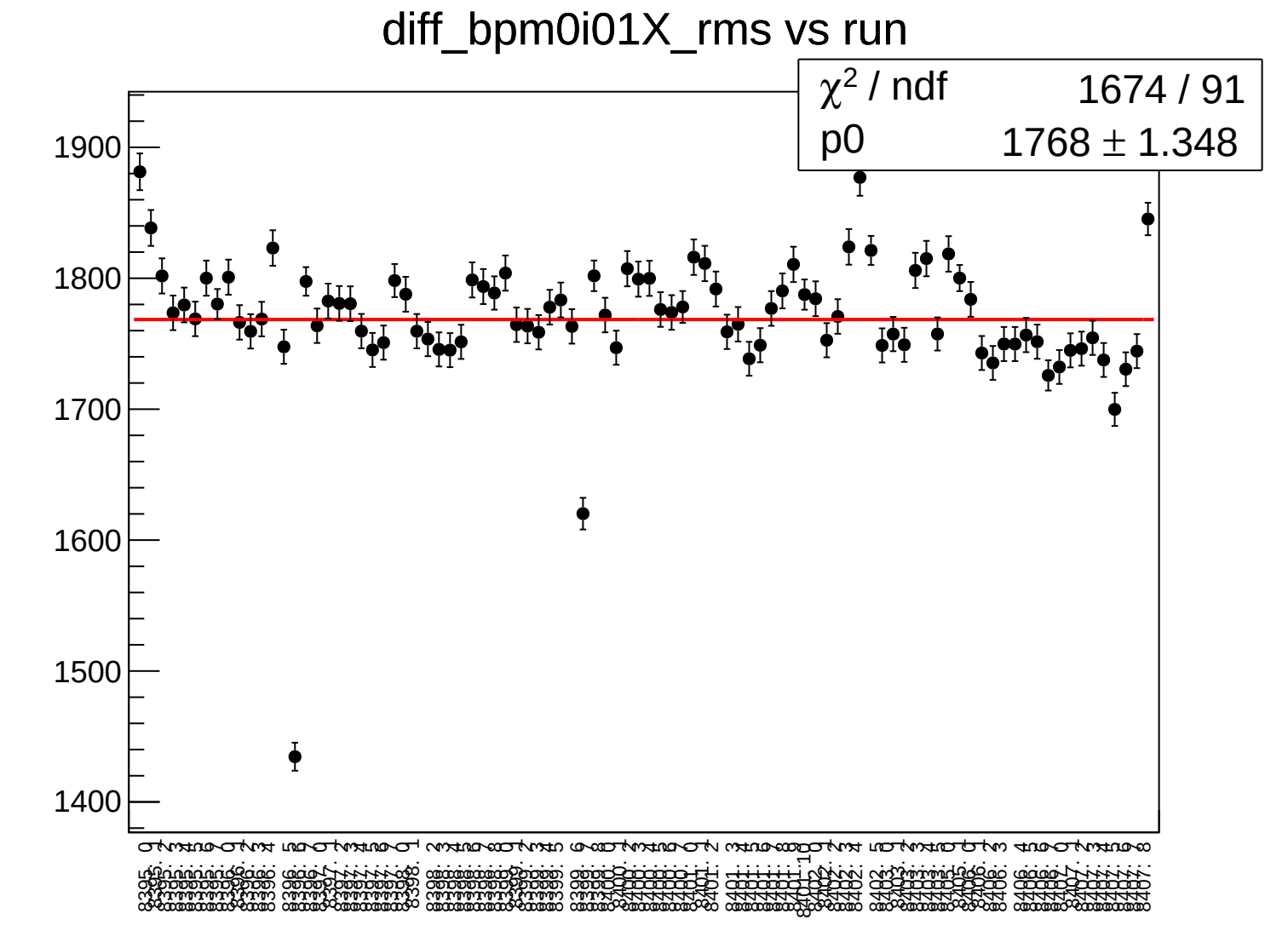

diff_cav4dY_mean vs run
χ² / ndf 92.98 / 91
p0 127.2 ± 162.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −1057
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

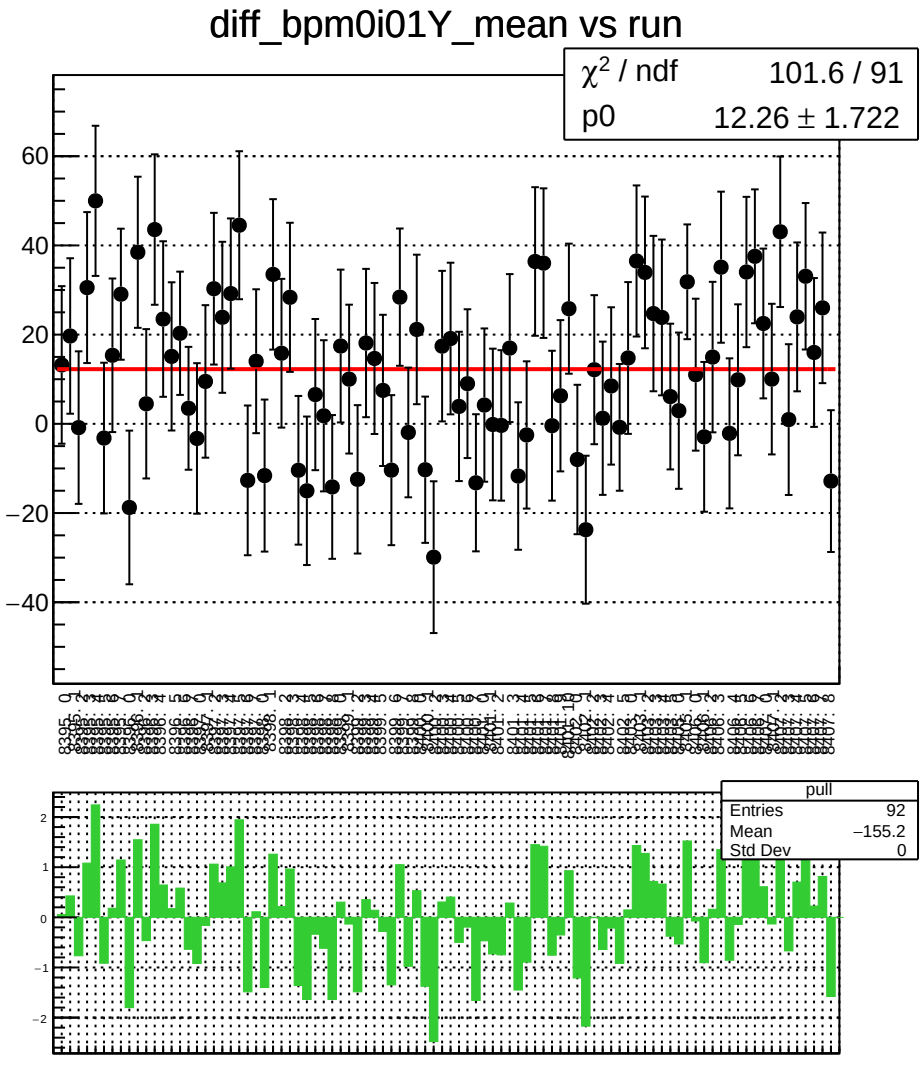

pull1D
Entries 92
Mean 0.001232
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

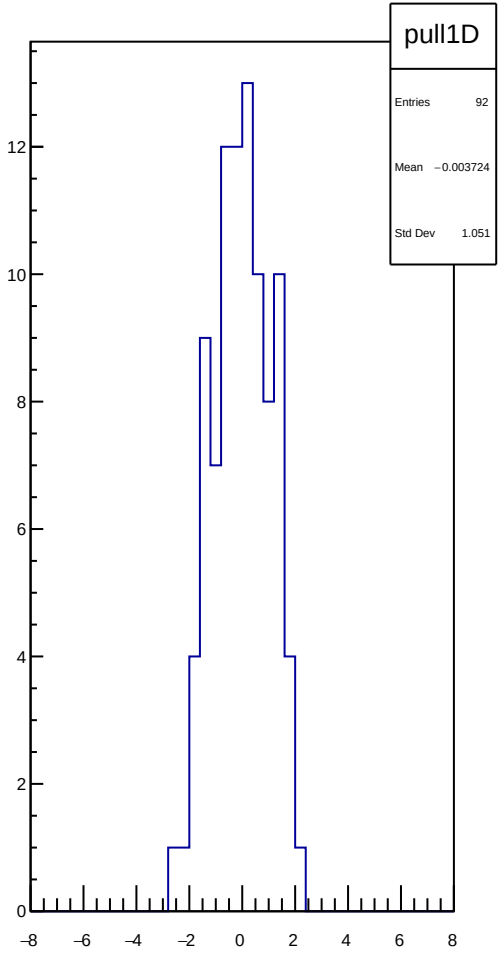

diff_cav4dY_rms vs run
×10^3
χ² / ndf 4277 / 91
p0 1.503e+05 ± 114.6
175
170
165
160
155
150
145
140
135
130

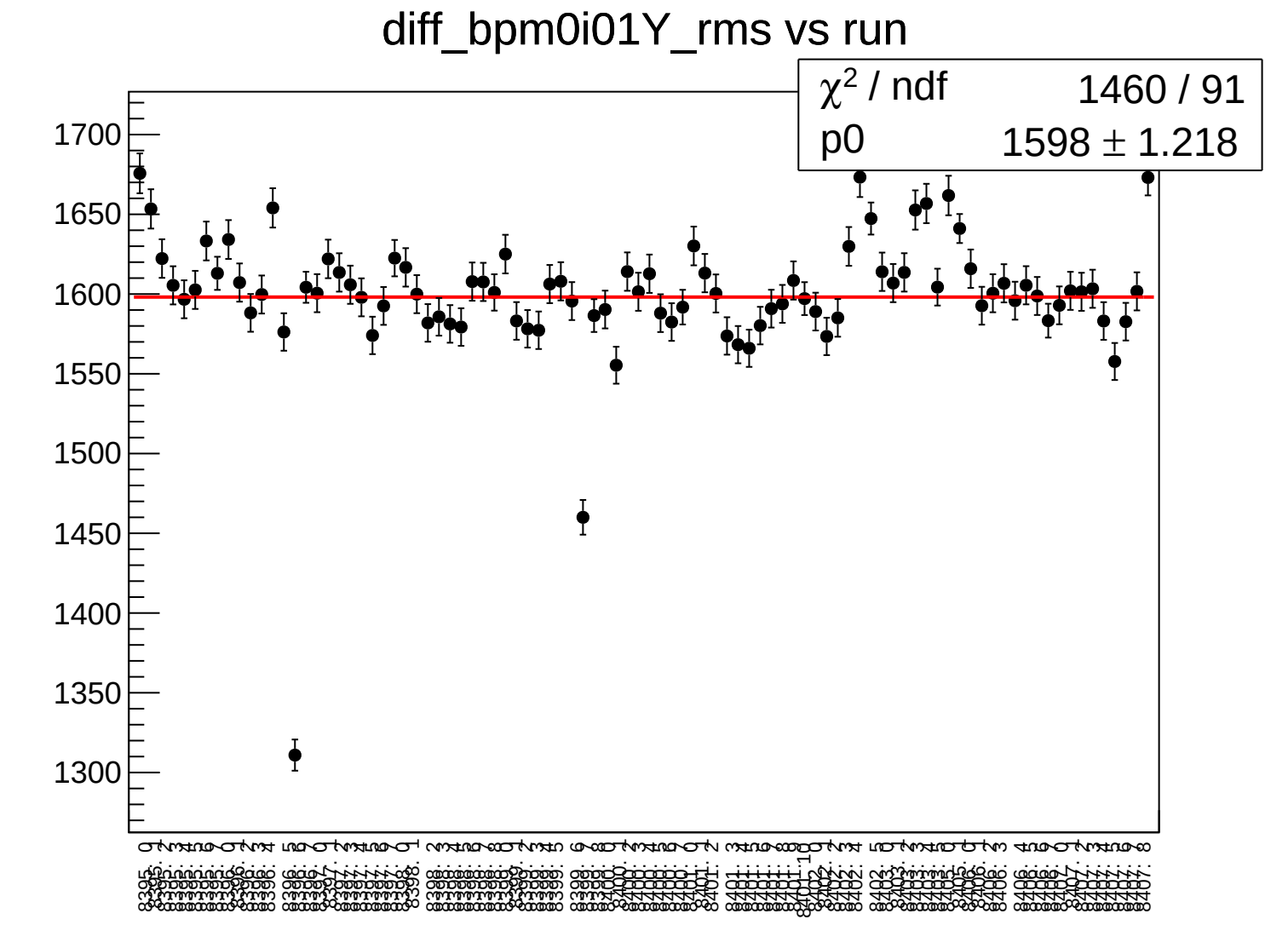

diff_bpm0i01X_mean vs run
χ² / ndf 140.5 / 91
p0 59.6 ± 1.906
pull
Entries 92
Mean −1139
Std Dev 0

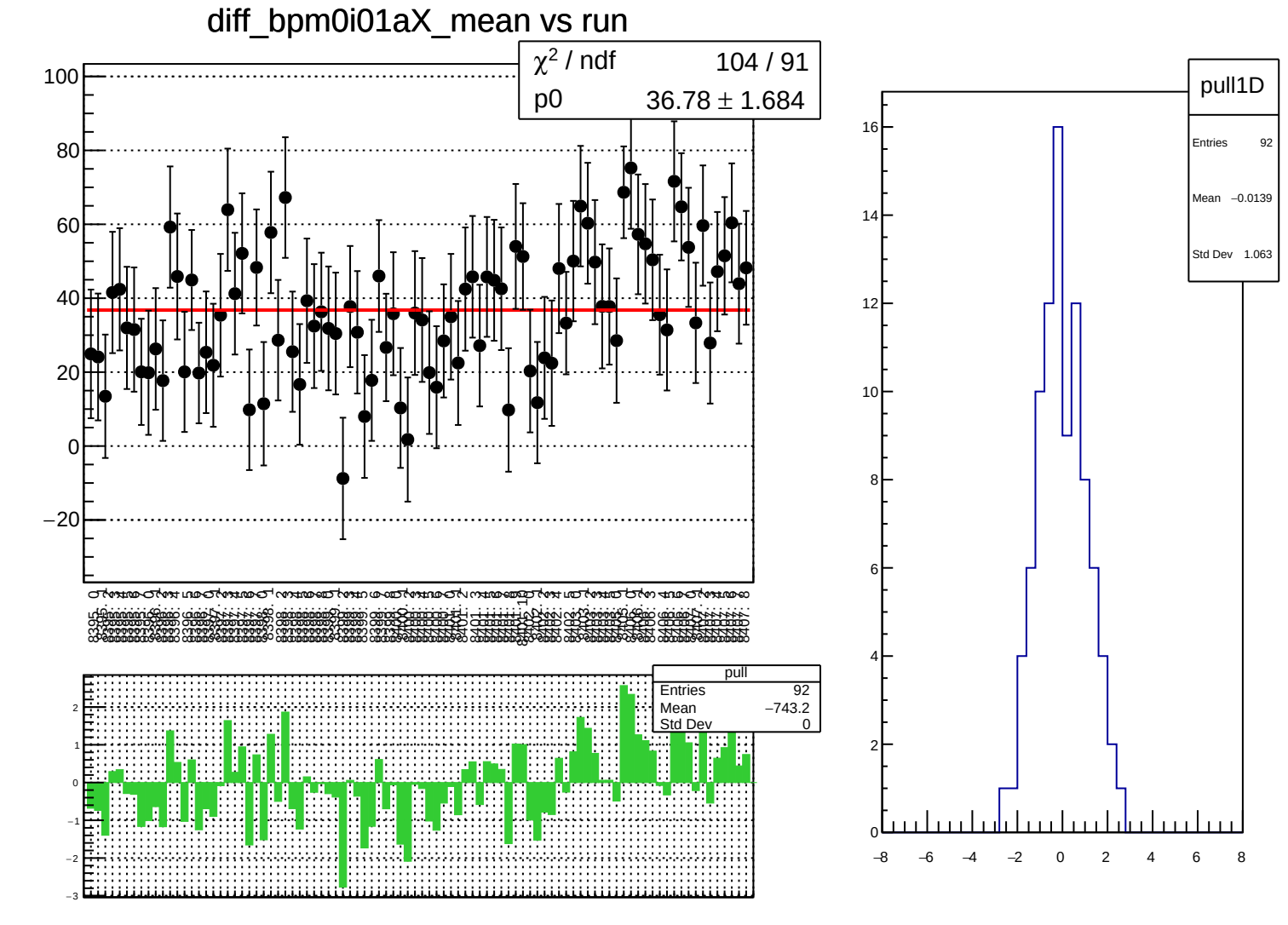

pull1D
Entries 92
Mean −0.01407
Std Dev 1.236

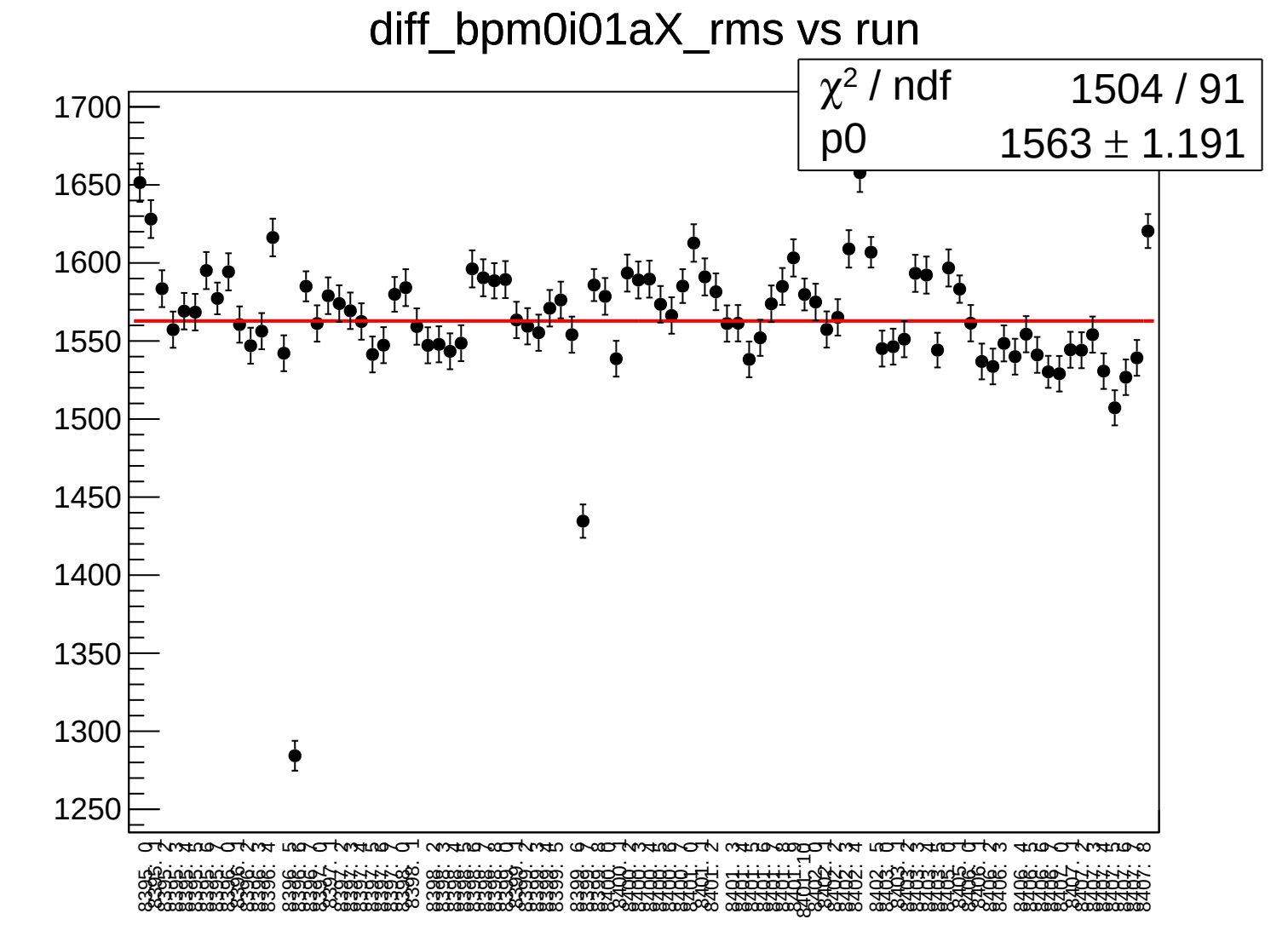

diff_bpm0i01X_rms vs run
$\chi^2$ / ndf 1674 / 91
p0 1768 ± 1.348
1900
1800
1700
1600
1500
1400

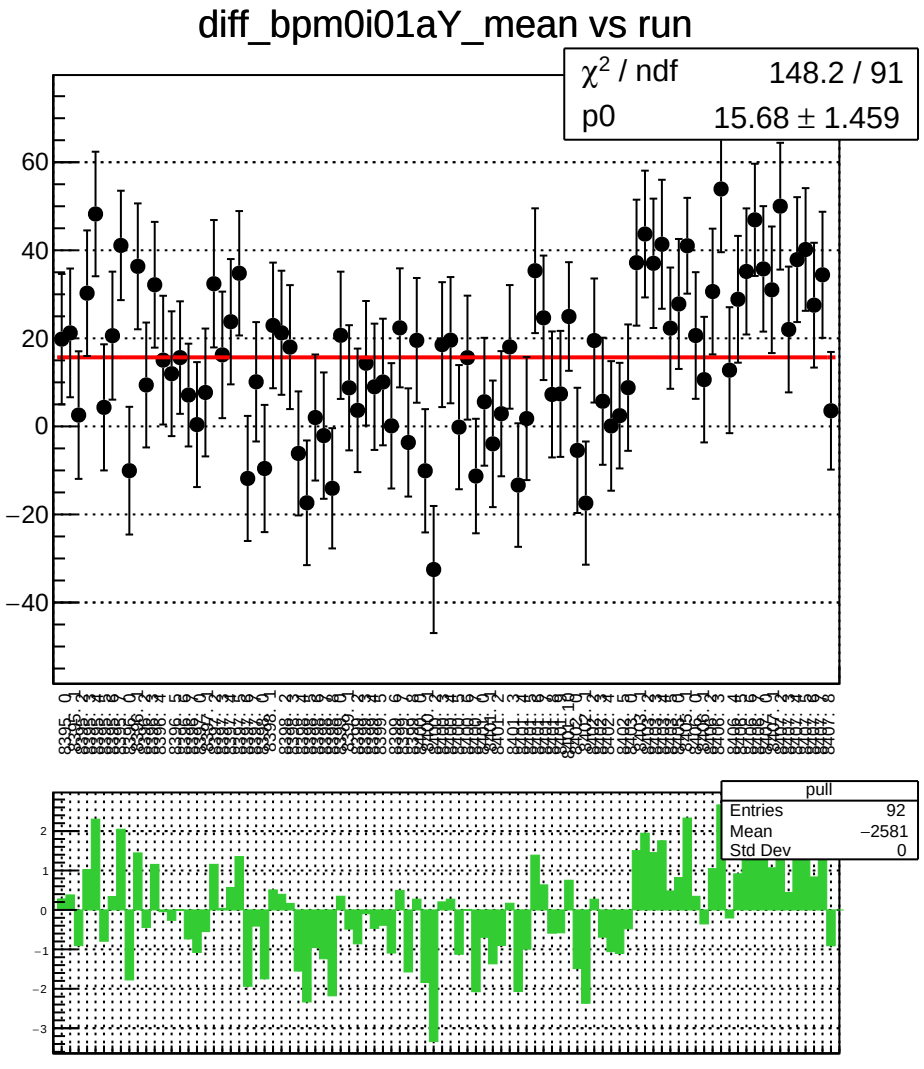

diff_bpm0i01Y_mean vs run
$\chi^2$ / ndf 101.6 / 91
p0 12.26 ± 1.722
pull
Entries 92
Mean −155.2
Std Dev 0

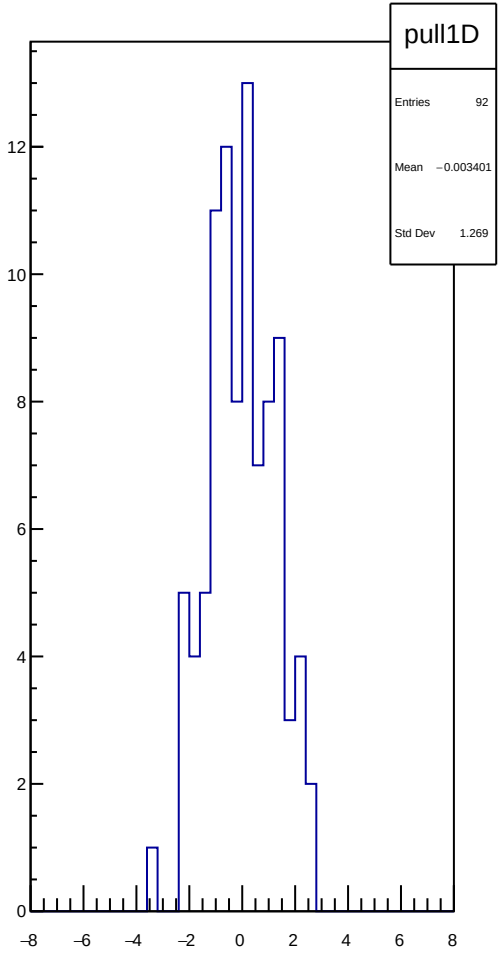

pull1D
Entries 92
Mean −0.003724
Std Dev 1.051

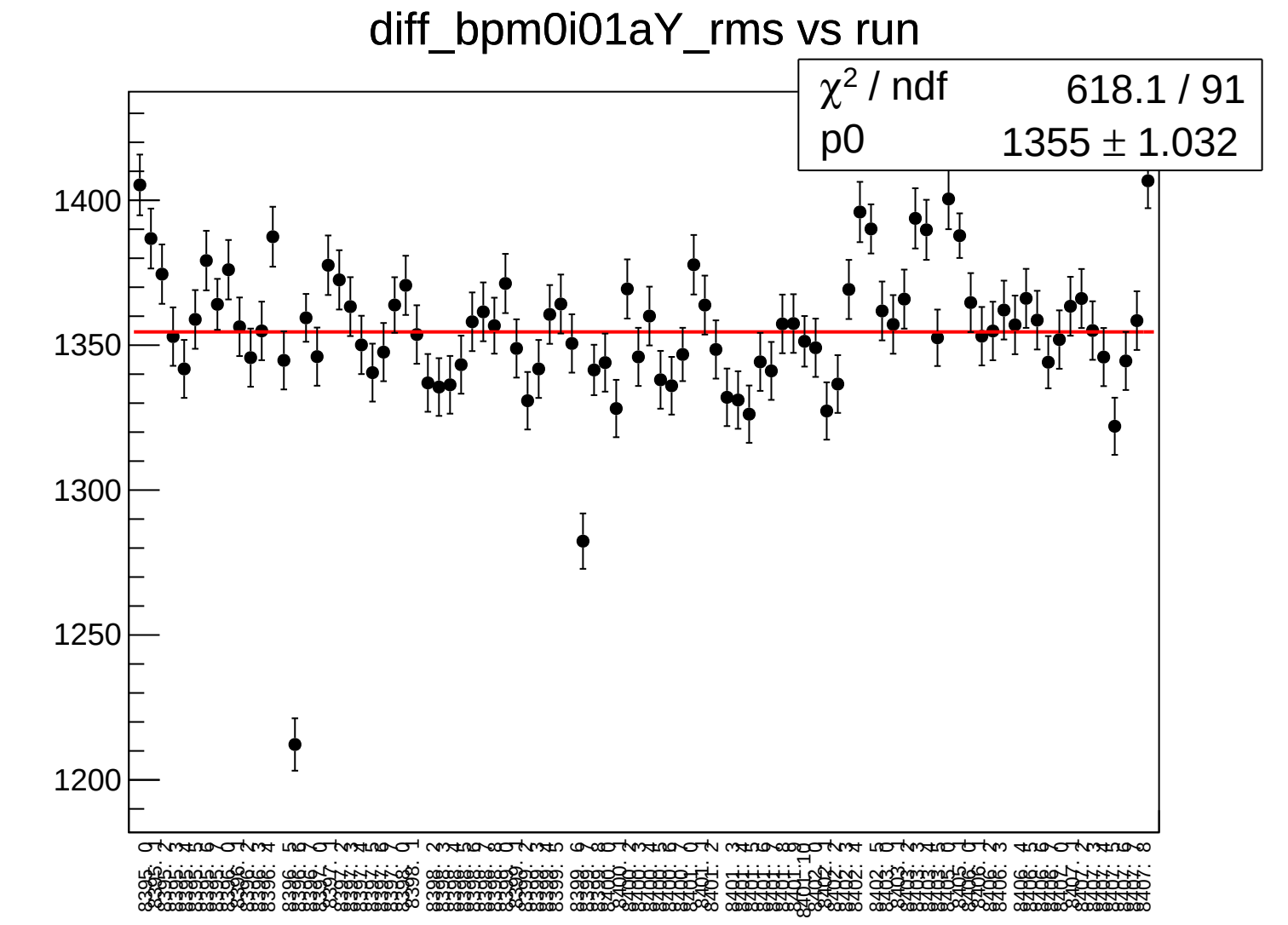

diff_bpm0i01Y_rms vs run
χ² / ndf 1460 / 91
p0 1598 ± 1.218
1700
1650
1600
1550
1500
1450
1400
1350
1300

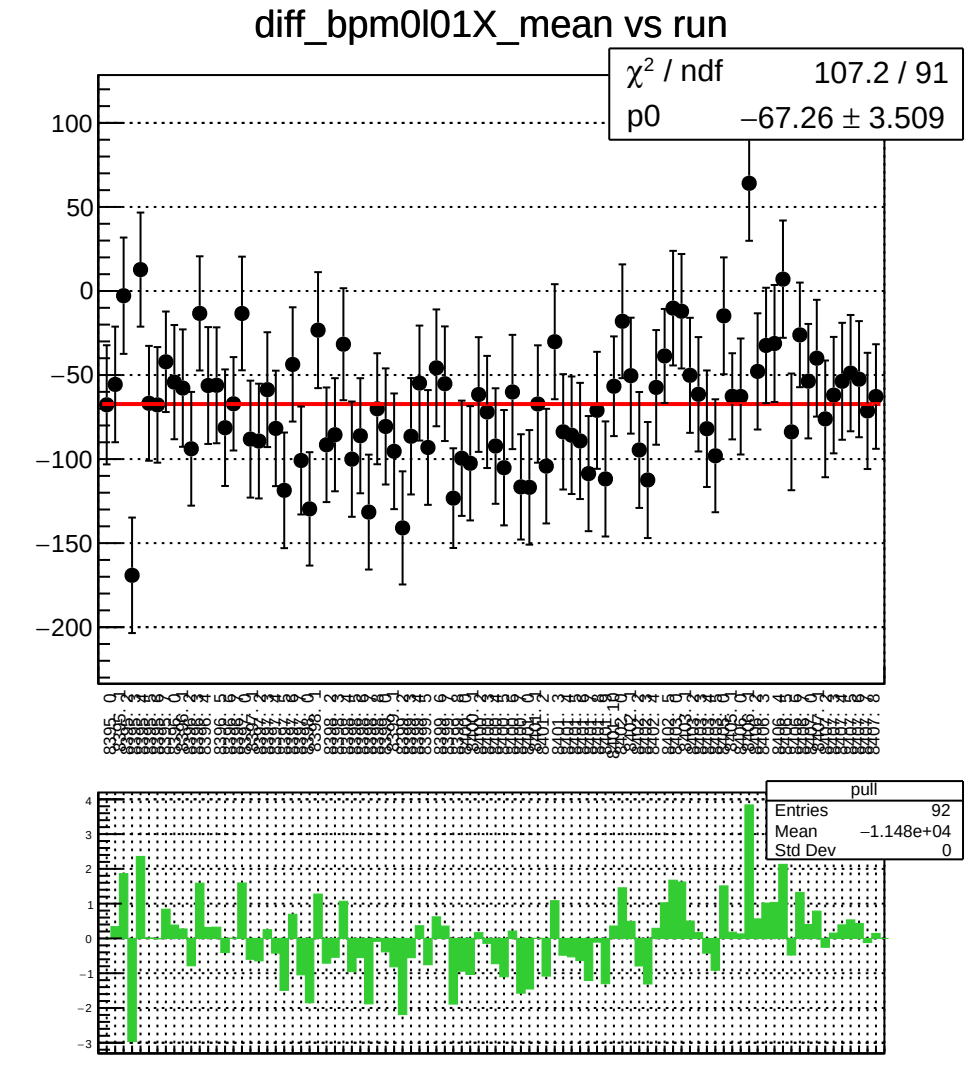

diff_bpm0i01aX_mean vs run
χ² / ndf 104 / 91
p0 36.78 ± 1.684
pull
Entries 92
Mean −743.2
Std Dev 0
pull1D
Entries 92
Mean −0.0139
Std Dev 1.063

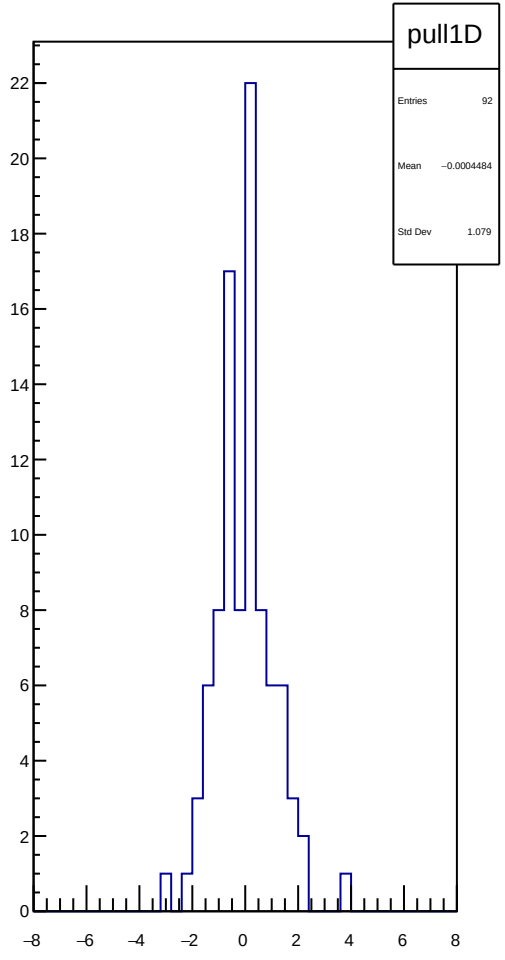

diff_bpm0i01aX_rms vs run
χ² / ndf 1504 / 91
p0 1563 ± 1.191
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250

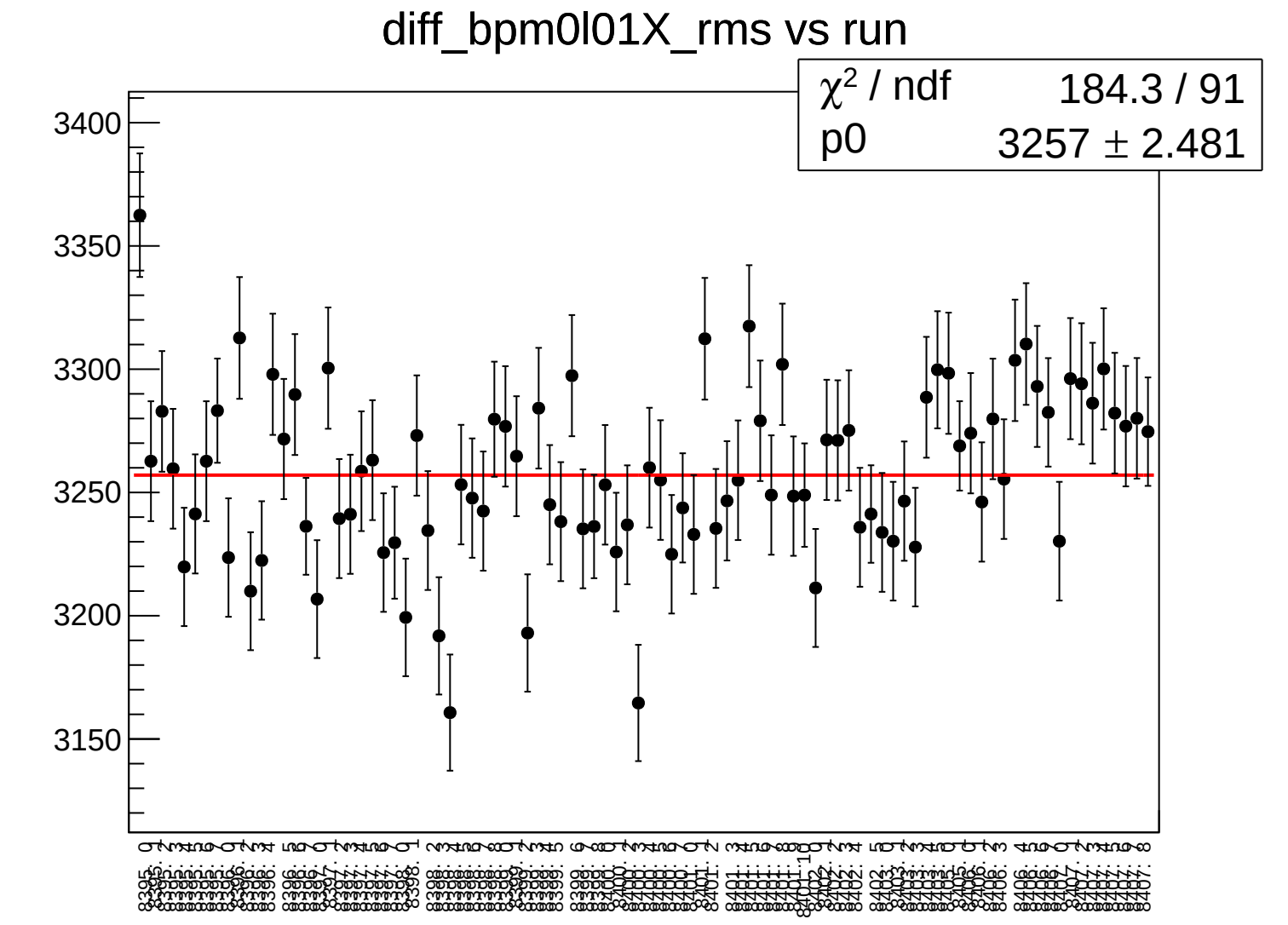

diff_bpm0i01aY_mean vs run
χ² / ndf 148.2 / 91
p0 15.68 ± 1.459
pull
Entries 92
Mean −2581
Std Dev 0

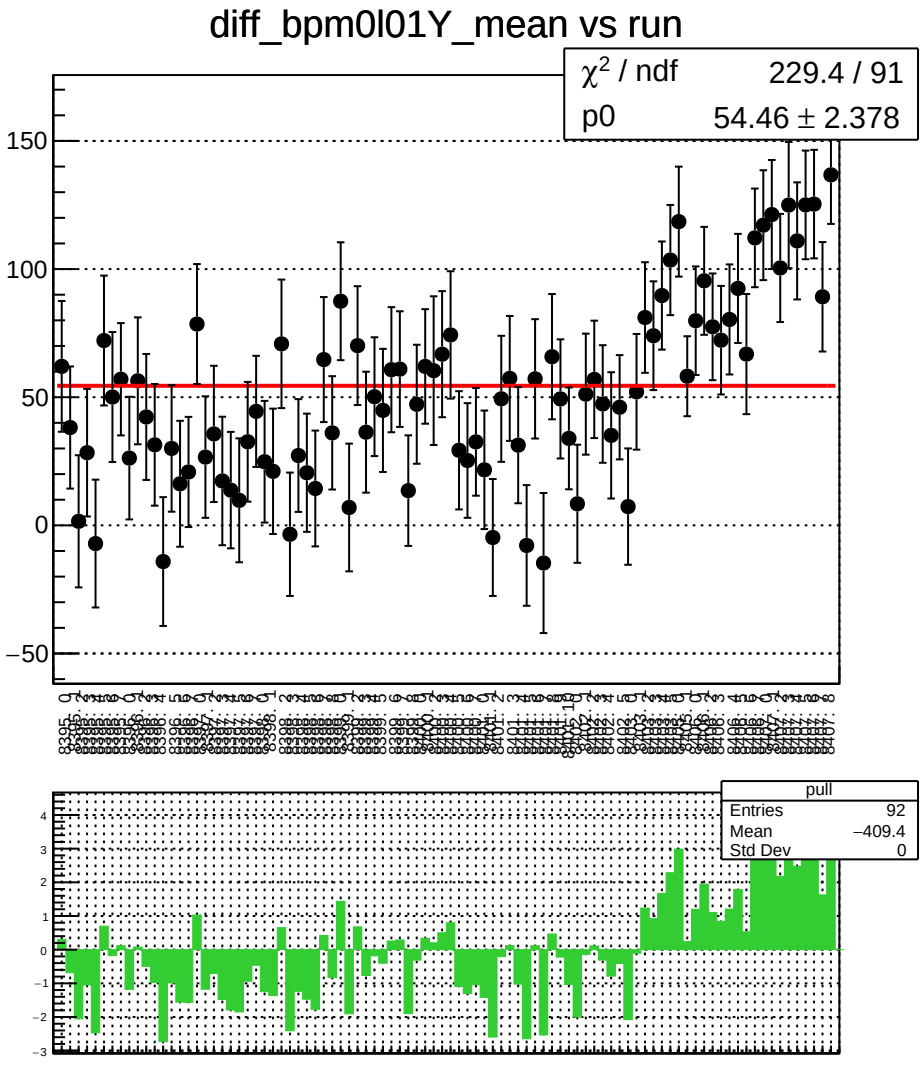

pull1D
Entries 92
Mean −0.003401
Std Dev 1.269

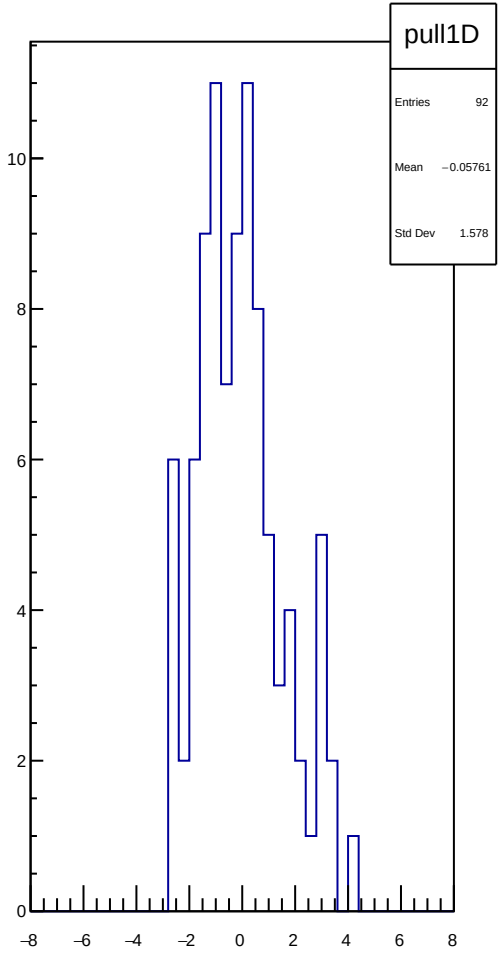

diff_bpm0i01aY_rms vs run
χ² / ndf 618.1 / 91
p0 1355 ± 1.032
1400
1350
1300
1250
1200

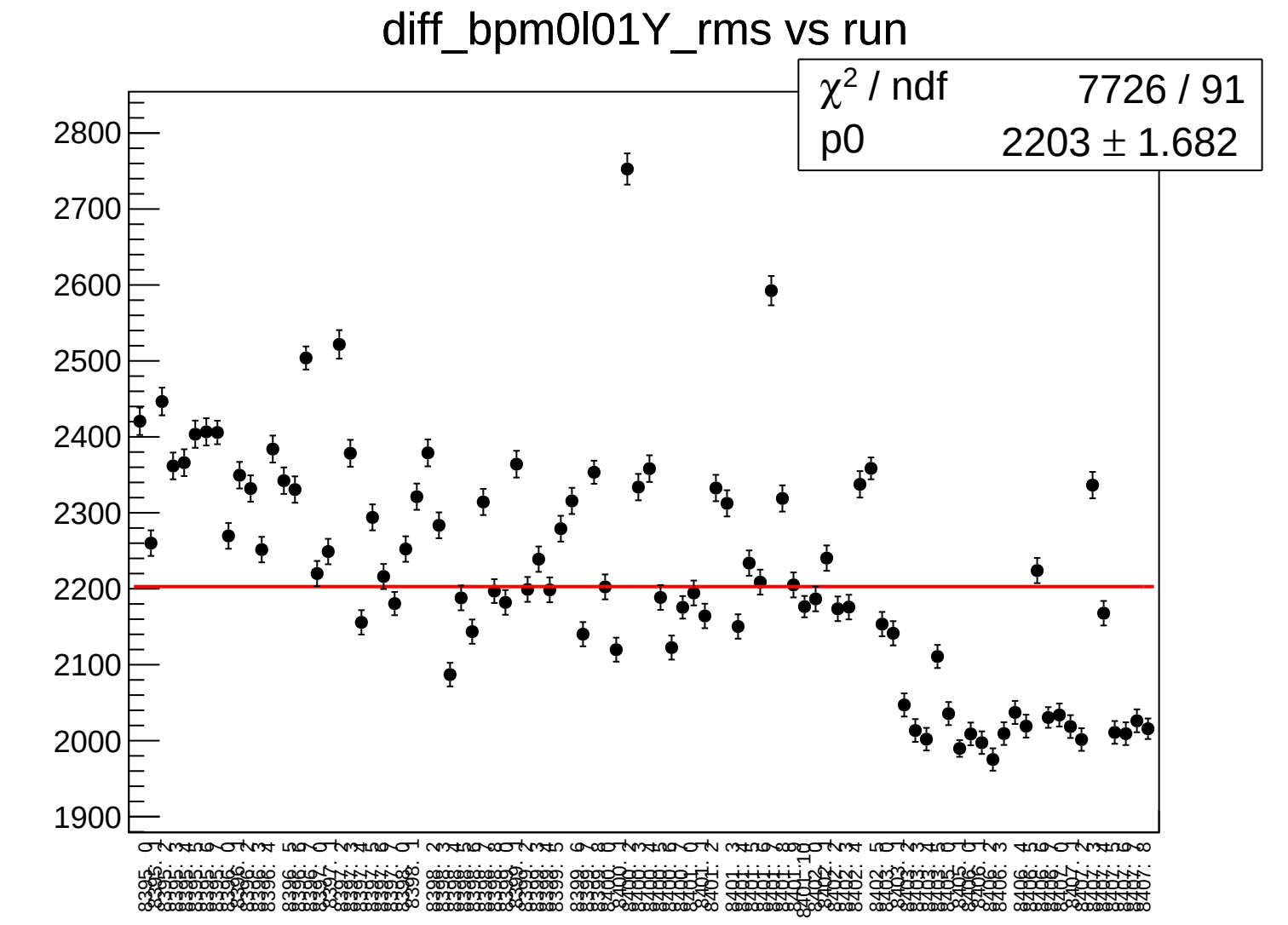

diff_bpm0l01X_mean vs run
χ² / ndf 107.2 / 91
p0 −67.26 ± 3.509
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean −1.148e+04
Std Dev 0
4
3
2
1
0
−1
−2
−3

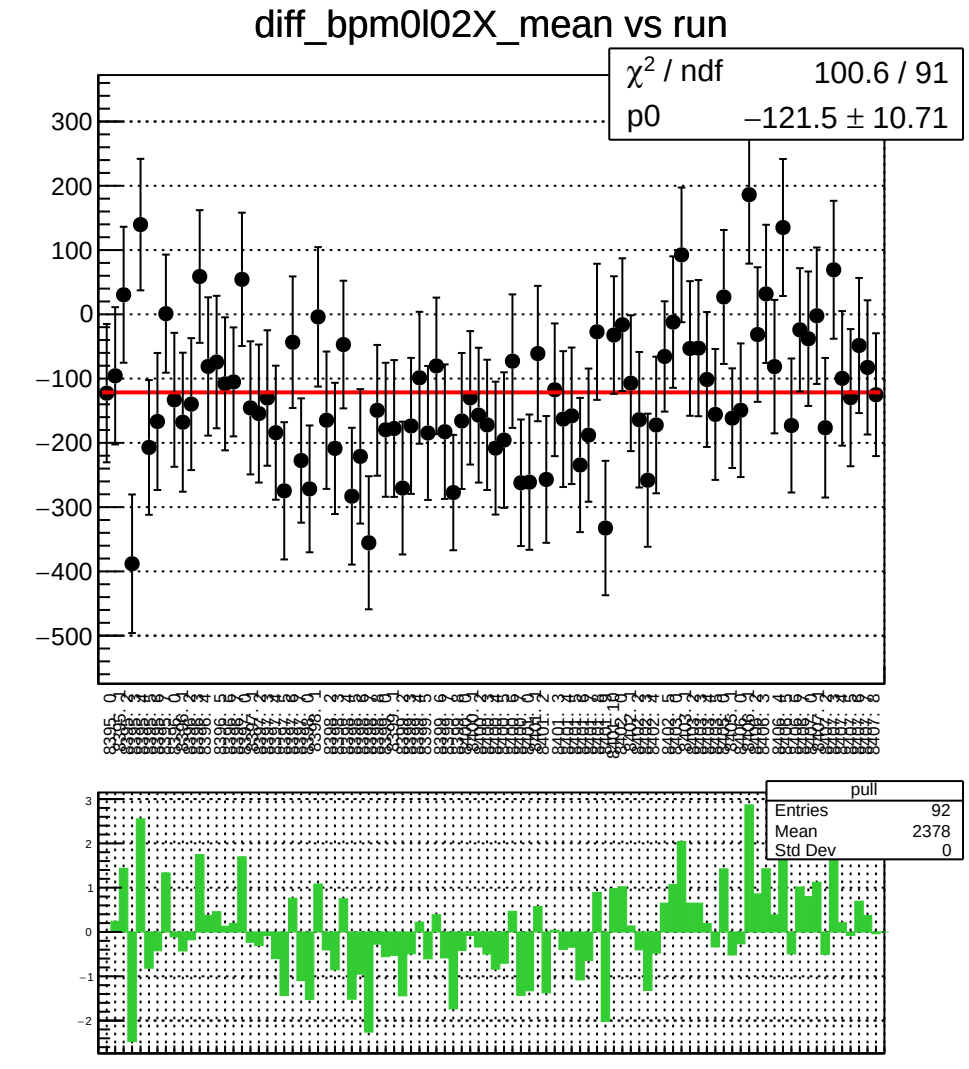

pull1D
Entries 92
Mean −0.0004484
Std Dev 1.079
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

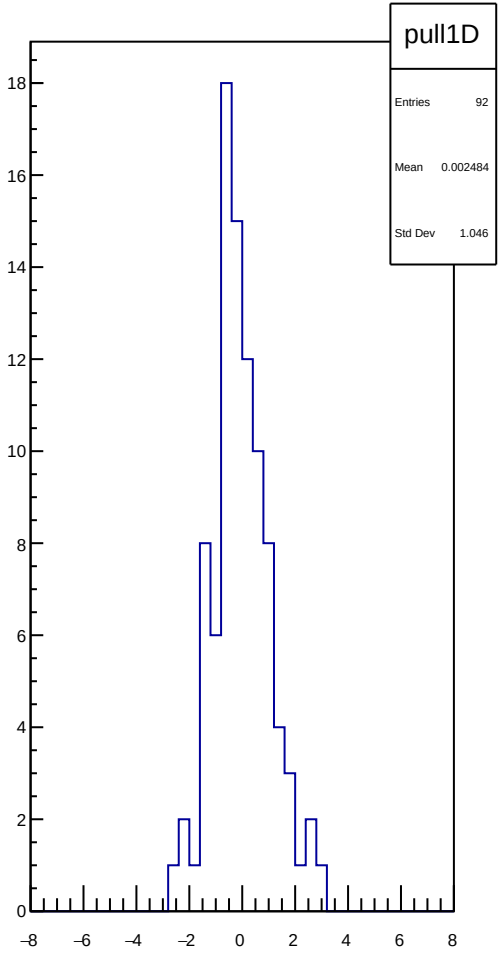

diff_bpm0l01X_rms vs run
χ² / ndf 184.3 / 91
p0 3257 ± 2.481
3400
3350
3300
3250
3200
3150

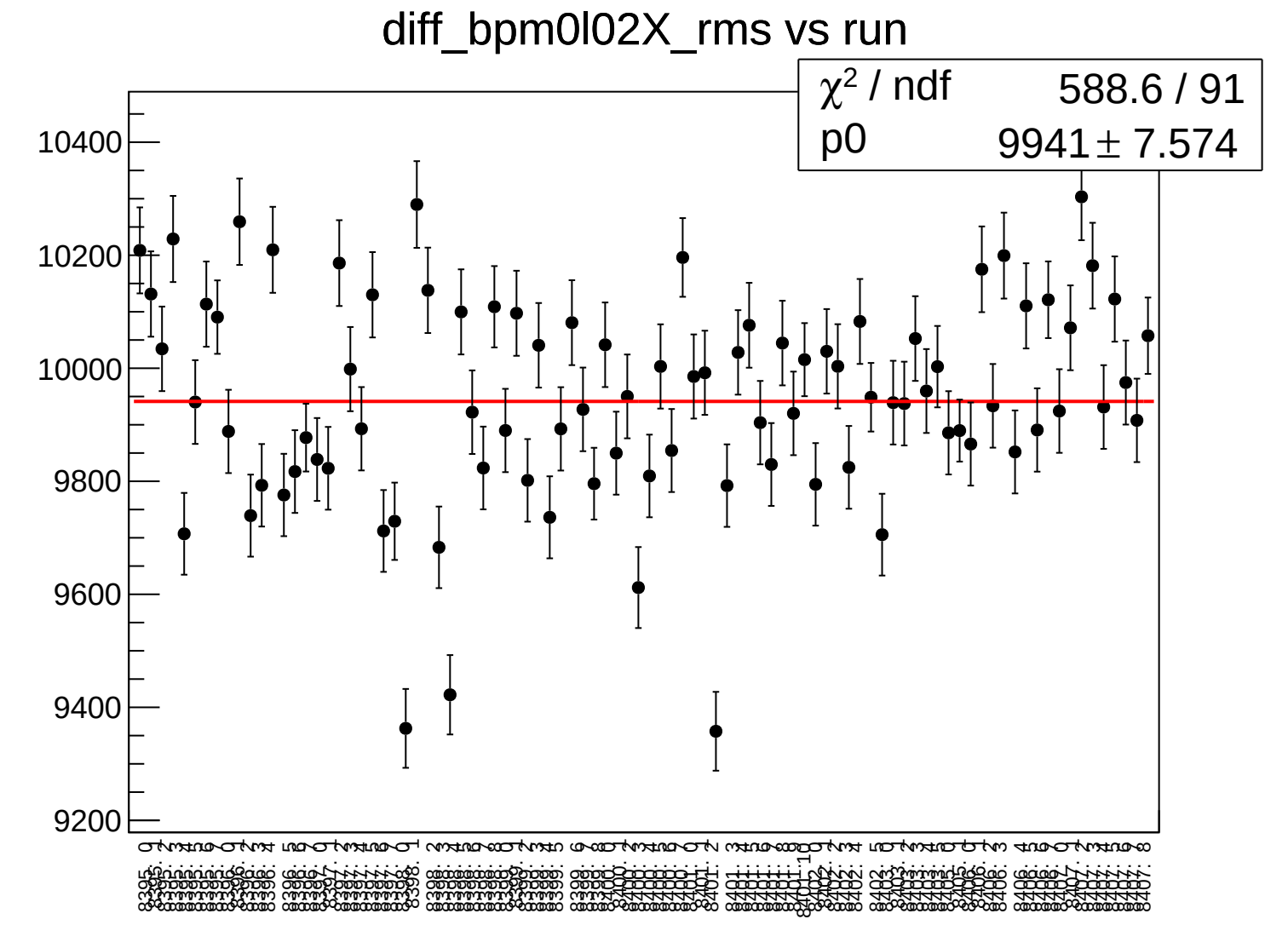

diff_bpm0l01Y_mean vs run
$\chi^2$ / ndf 229.4 / 91
p0 54.46 ± 2.378
150
100
50
0
−50
pull
Entries 92
Mean −409.4
Std Dev 0
4
3
2
1
0
−1
−2
−3

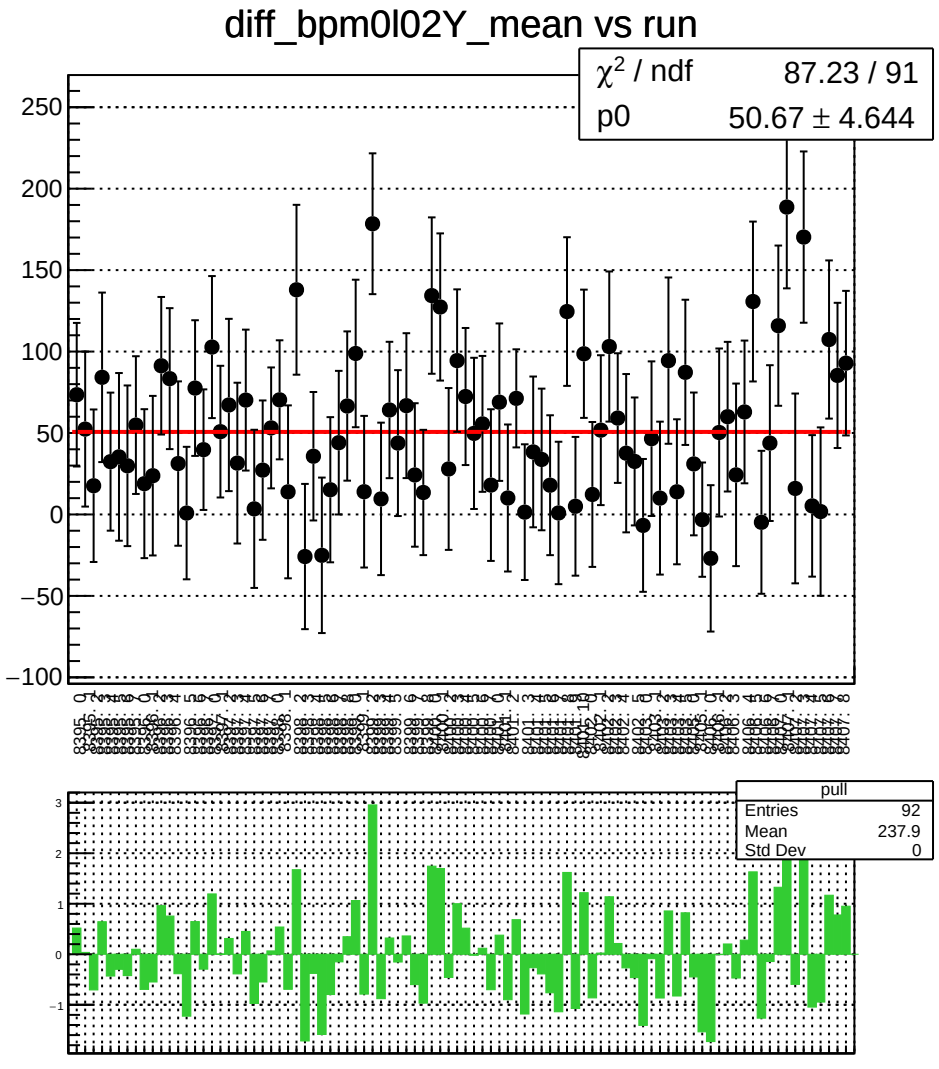

pull1D
Entries 92
Mean −0.05761
Std Dev 1.578
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

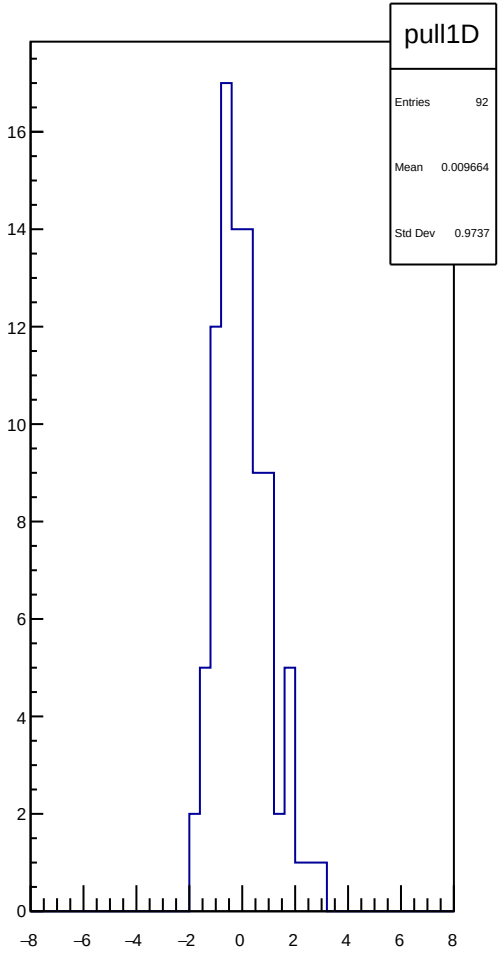

diff_bpm0l01Y_rms vs run
$\chi^2$ / ndf 7726 / 91
p0 2203 ± 1.682
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900

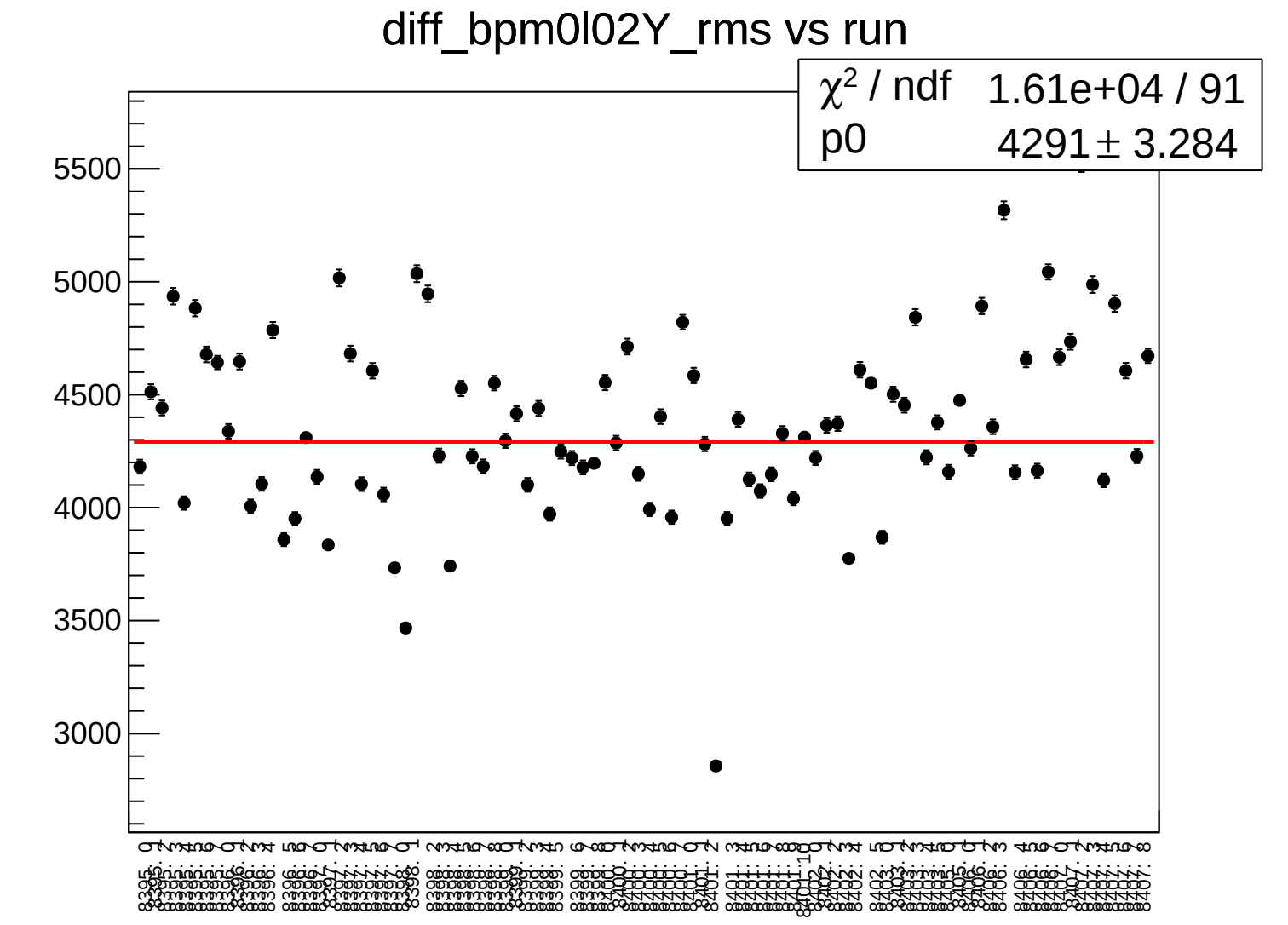

diff_bpm0l02X_mean vs run
χ² / ndf 100.6 / 91
p0 −121.5 ± 10.71
pull
Entries 92
Mean 2378
Std Dev 0

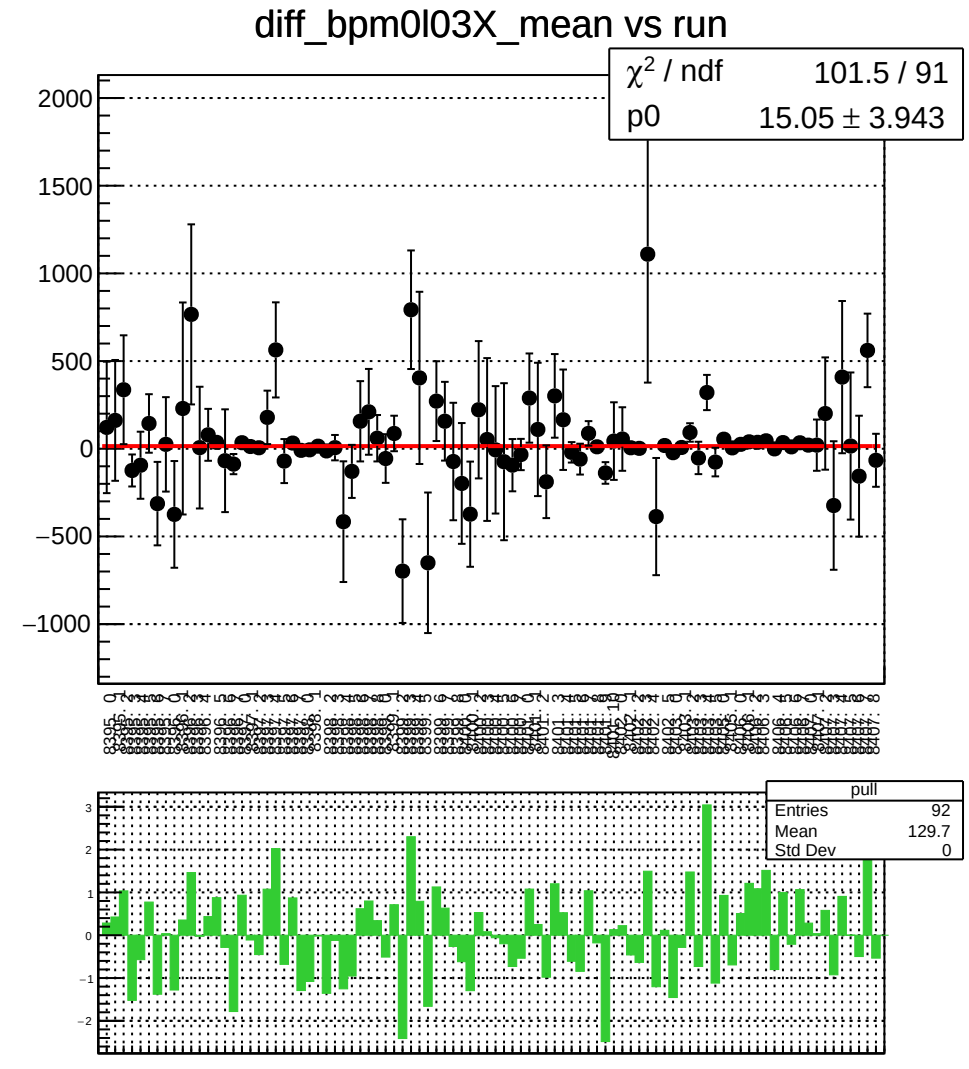

pull1D
Entries 92
Mean 0.002484
Std Dev 1.046

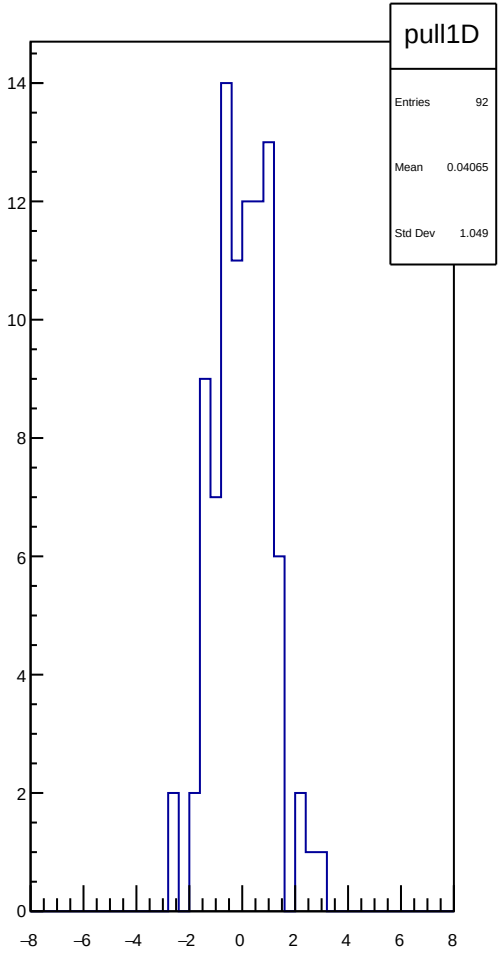

diff_bpm0l02X_rms vs run
χ² / ndf 588.6 / 91
p0 9941 ± 7.574
10400
10200
10000
9800
9600
9400
9200

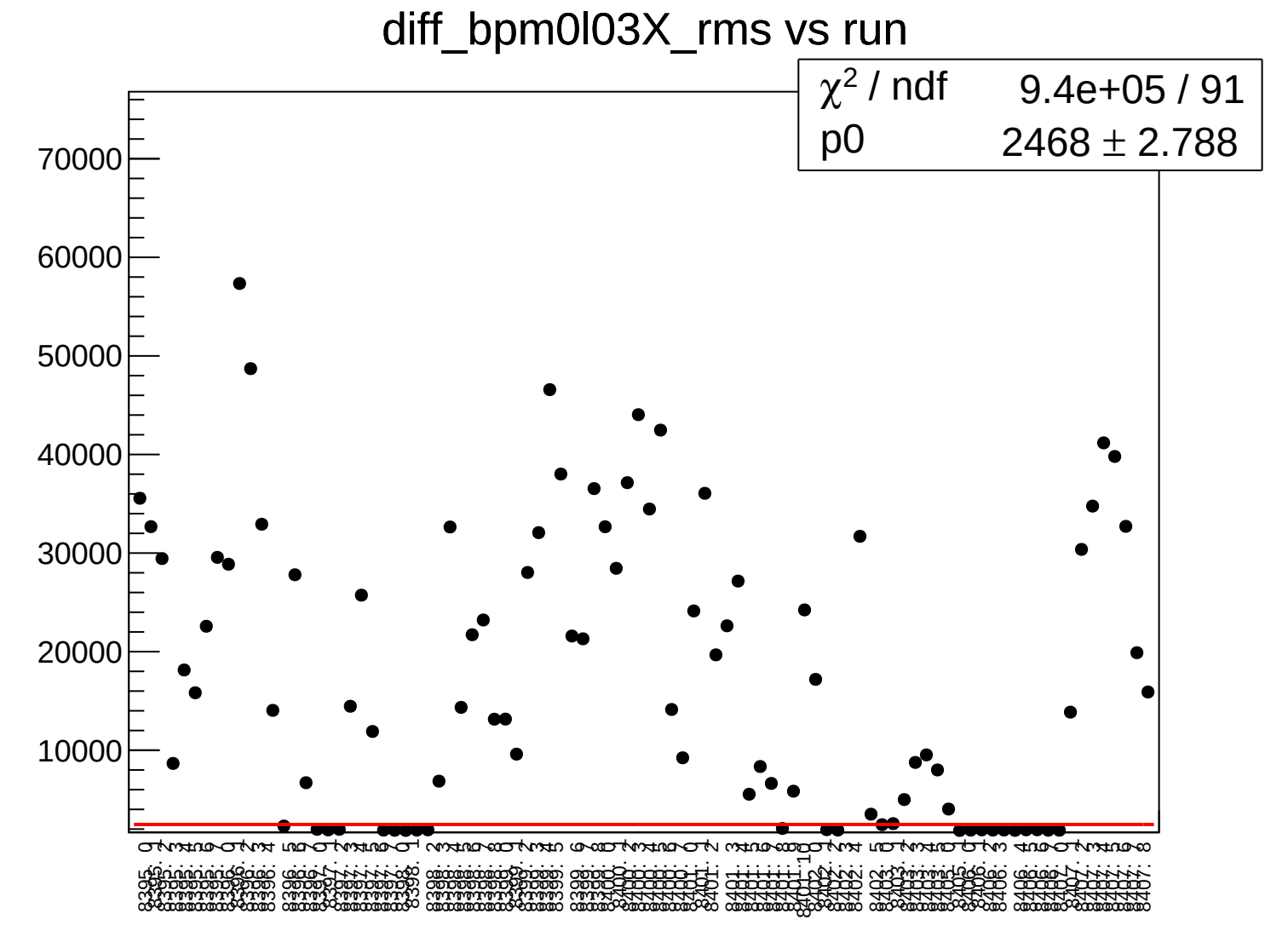

diff_bpm0l02Y_mean vs run
χ² / ndf 87.23 / 91
p0 50.67 ± 4.644
pull
Entries 92
Mean 237.9
Std Dev 0

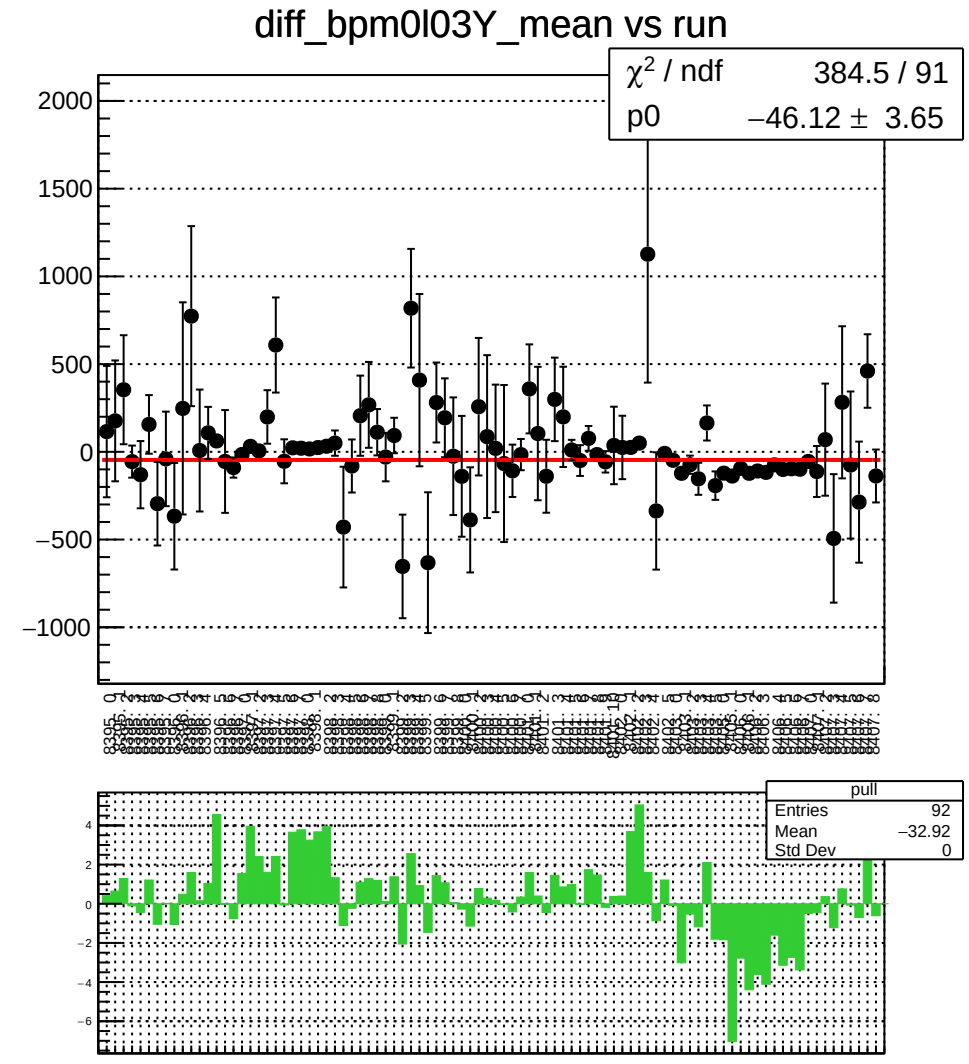

pull1D
Entries 92
Mean 0.009664
Std Dev 0.9737

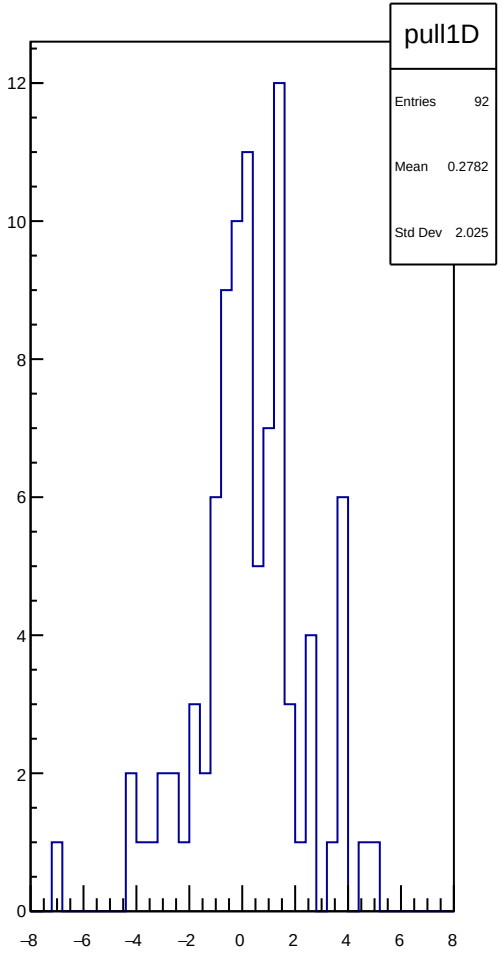

diff_bpm0l02Y_rms vs run
χ² / ndf 1.61e+04 / 91
p0 4291 ± 3.284
5500
5000
4500
4000
3500
3000

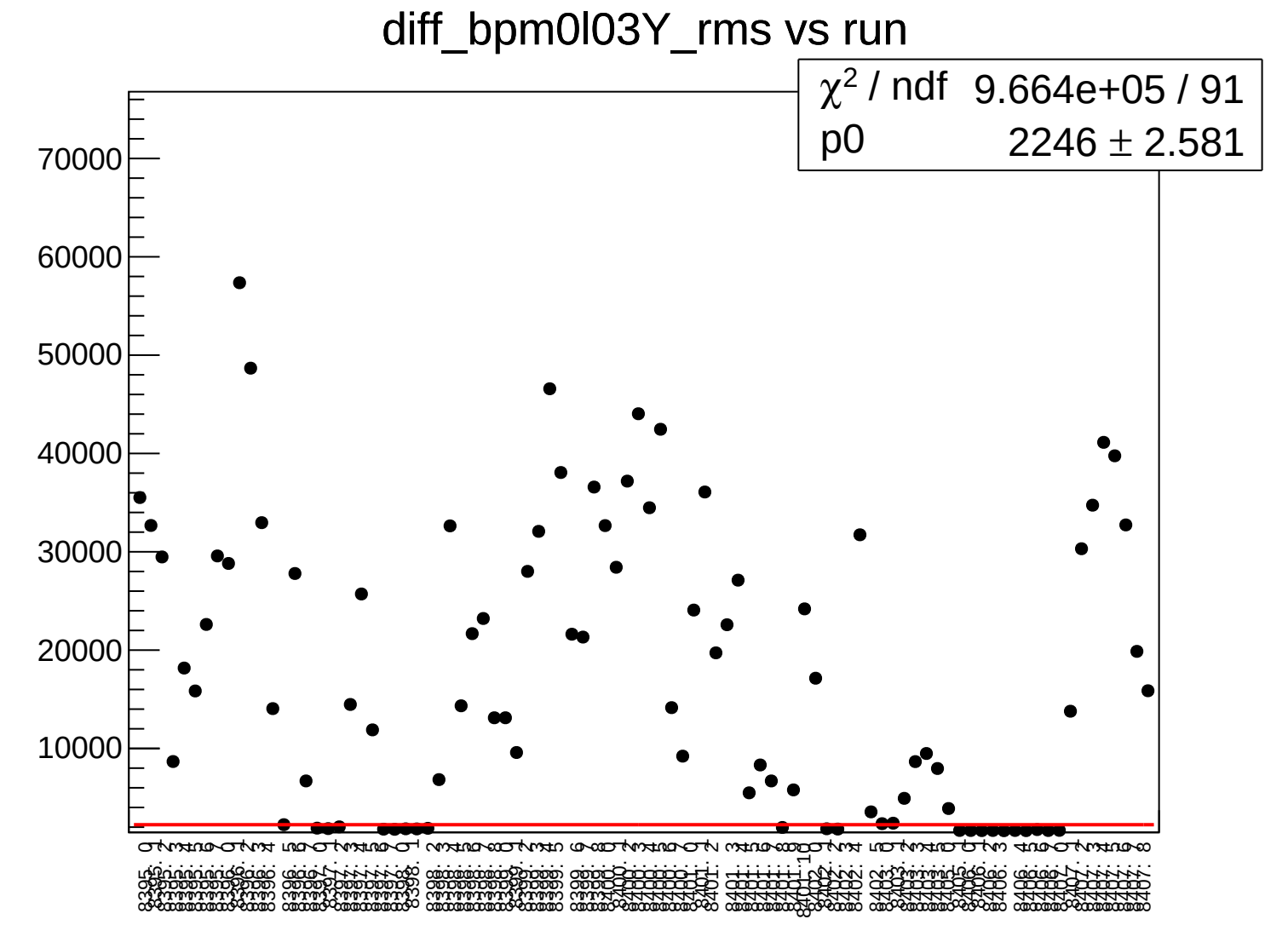

diff_bpm0l03X_mean vs run
$\chi^2$ / ndf 101.5 / 91
p0 15.05 ± 3.943
2000
1500
1000
500
0
−500
−1000
pull
Entries 92
Mean 129.7
Std Dev 0
3
2
1
0
−1
−2

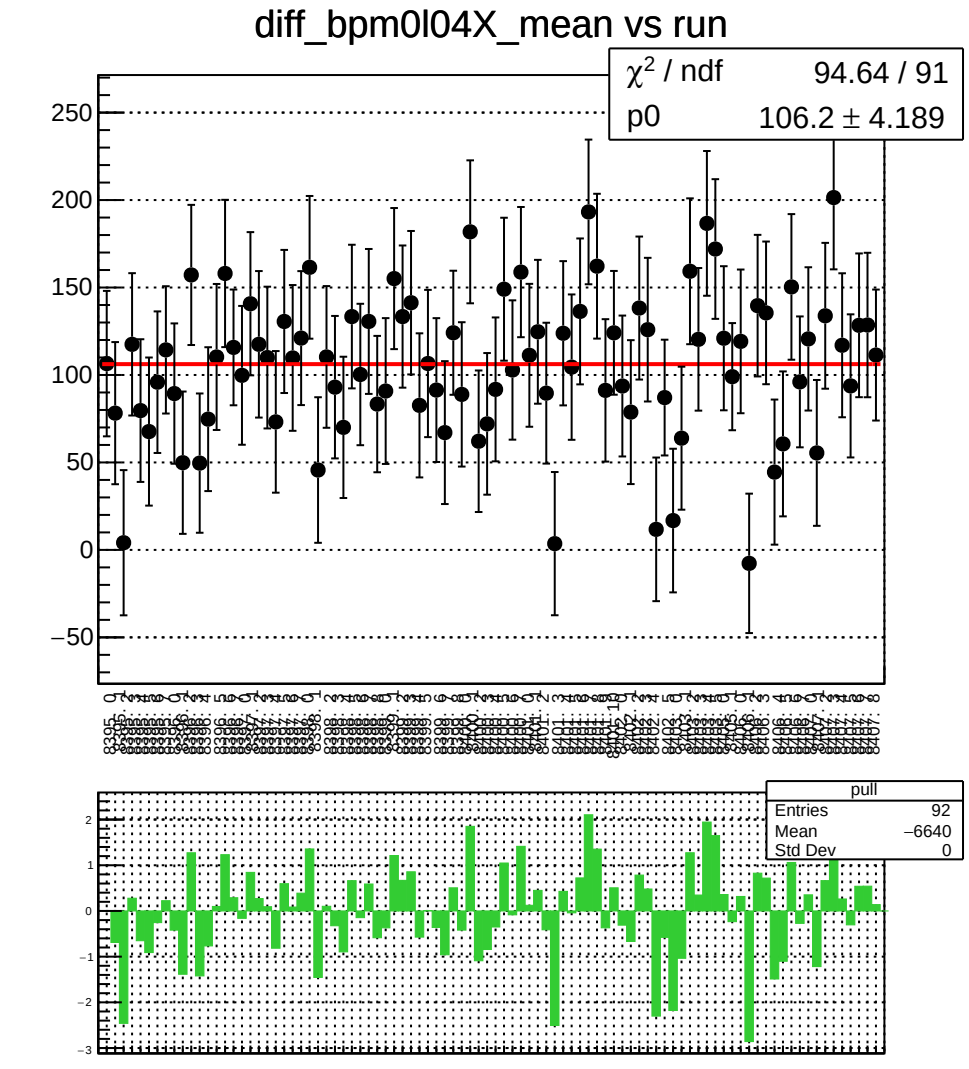

pull1D
Entries 92
Mean 0.04065
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

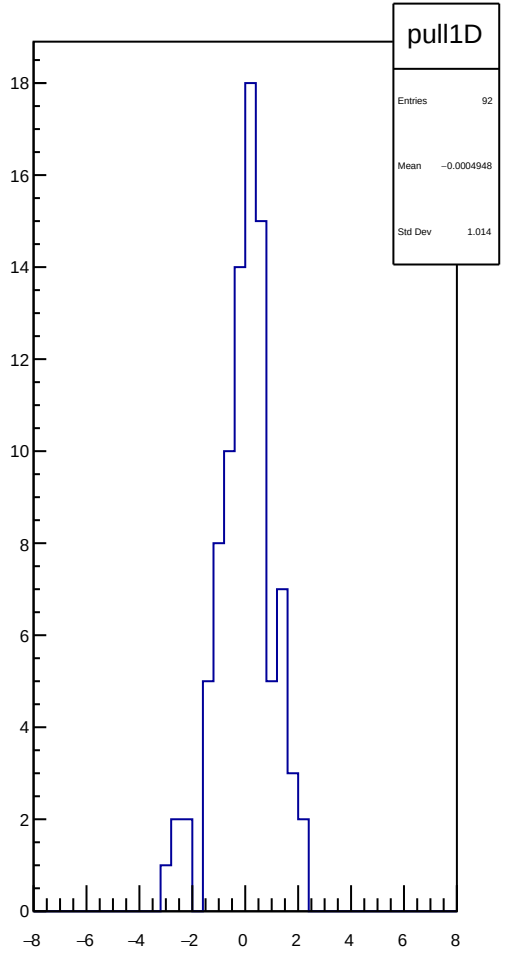

diff_bpm0l03X_rms vs run
$\chi^2$ / ndf 9.4e+05 / 91
p0 2468 ± 2.788
70000
60000
50000
40000
30000
20000
10000

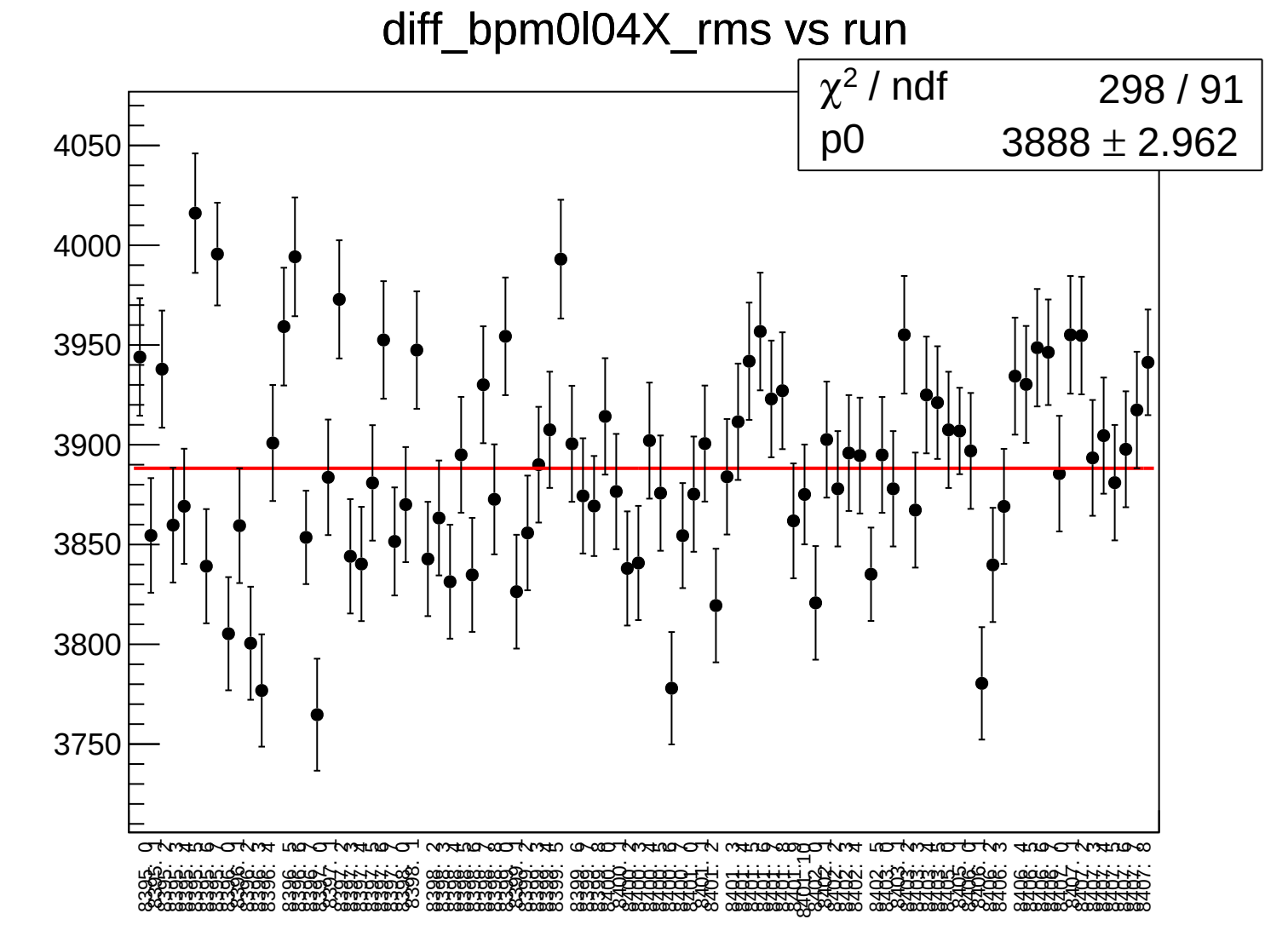

diff_bpm0l03Y_mean vs run
χ² / ndf 384.5 / 91
p0 −46.12 ± 3.65
pull
Entries 92
Mean −32.92
Std Dev 0

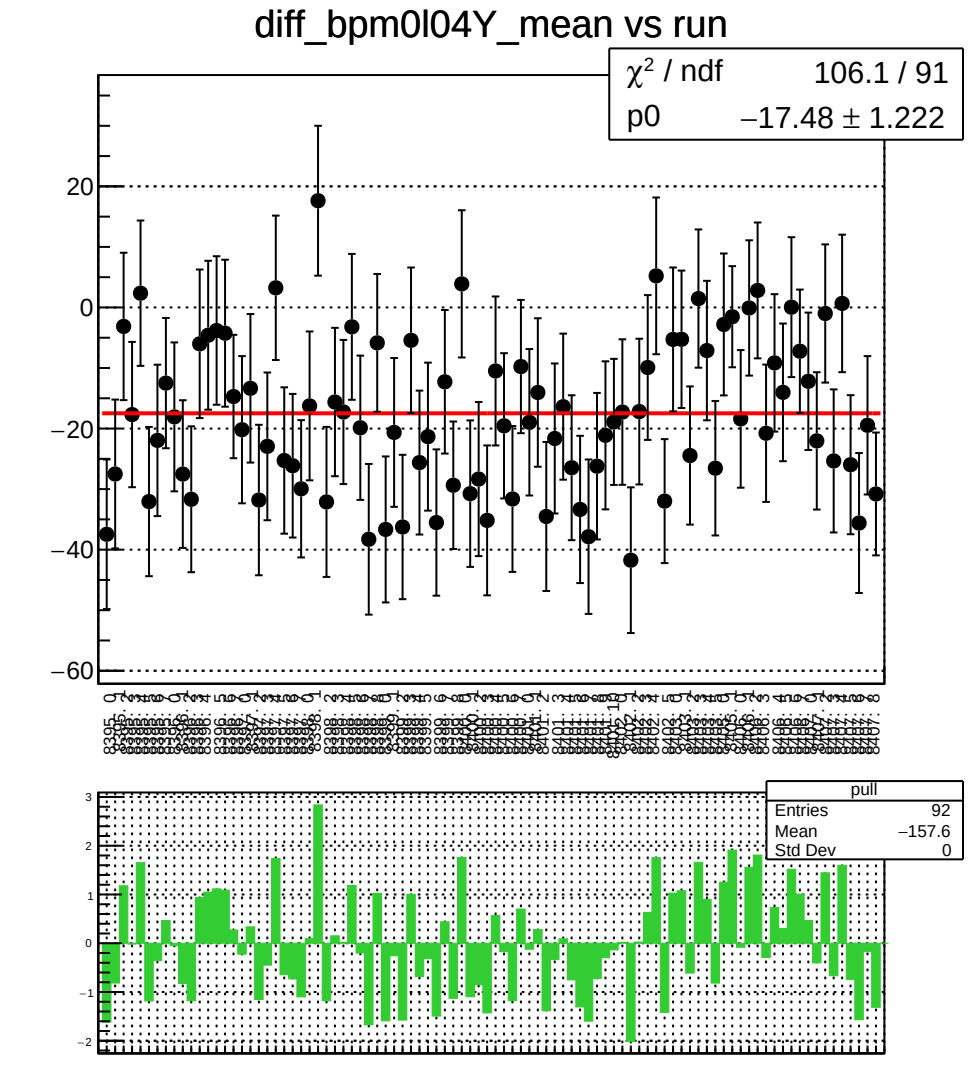

pull1D
Entries 92
Mean 0.2782
Std Dev 2.025

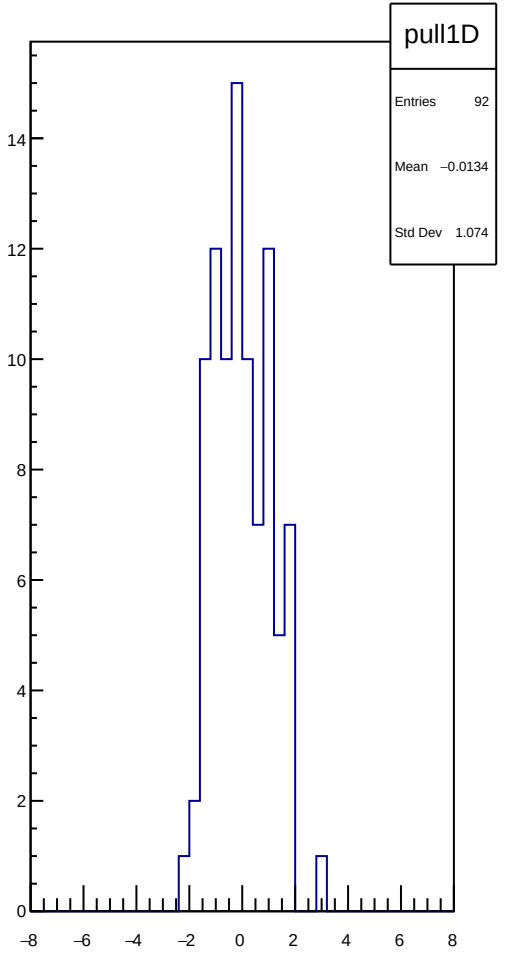

diff_bpm0l03Y_rms vs run
$\chi^2$ / ndf 9.664e+05 / 91
p0 2246 ± 2.581
70000
60000
50000
40000
30000
20000
10000

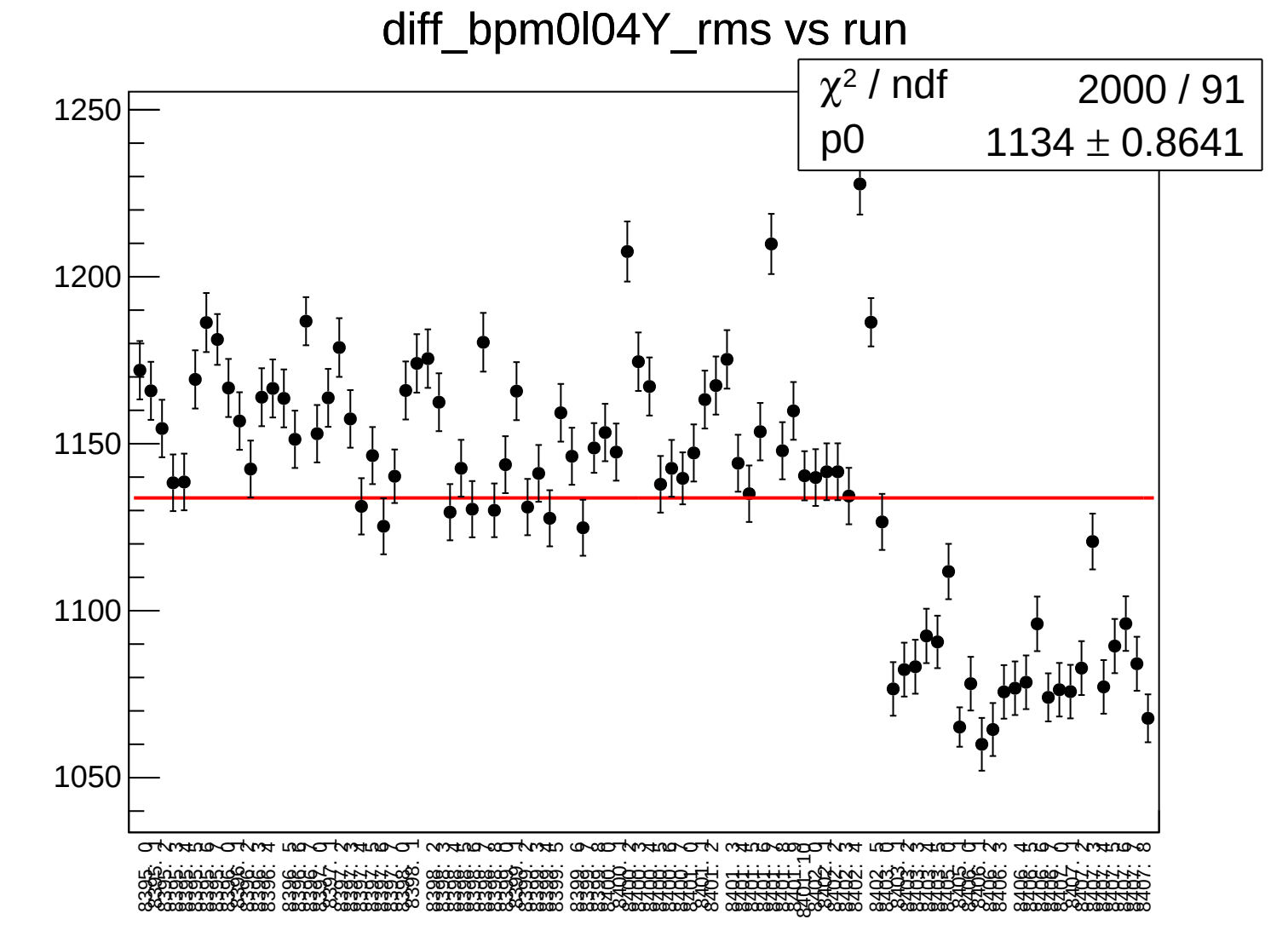

diff_bpm0l04X_mean vs run
χ² / ndf 94.64 / 91
p0 106.2 ± 4.189
pull
Entries 92
Mean −6640
Std Dev 0

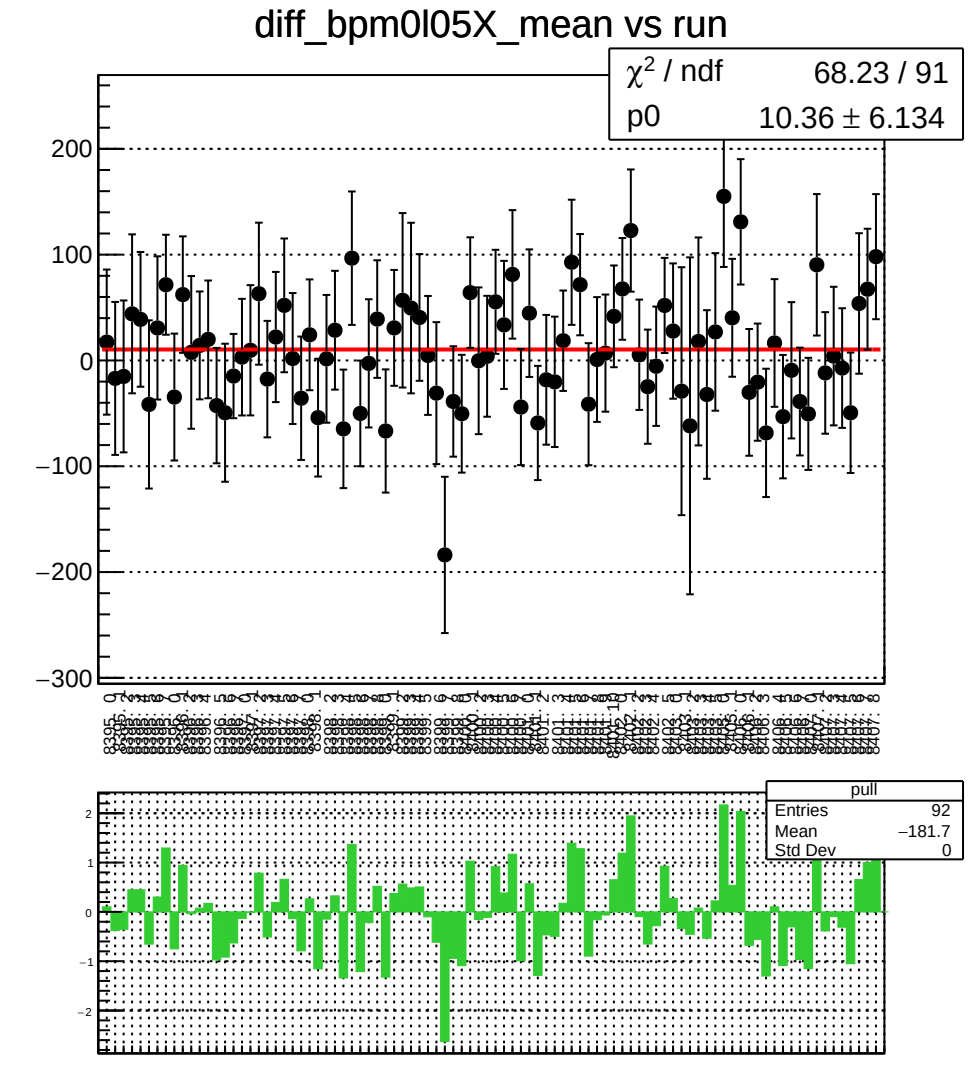

pull1D
Entries 92
Mean −0.0004948
Std Dev 1.014

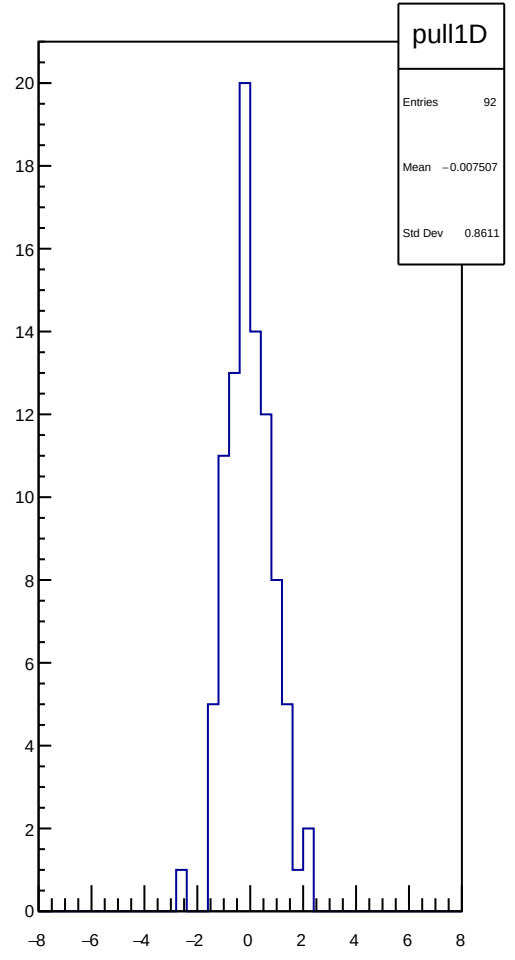

diff_bpm0l04X_rms vs run
χ² / ndf 298 / 91
p0 3888 ± 2.962
4050
4000
3950
3900
3850
3800
3750

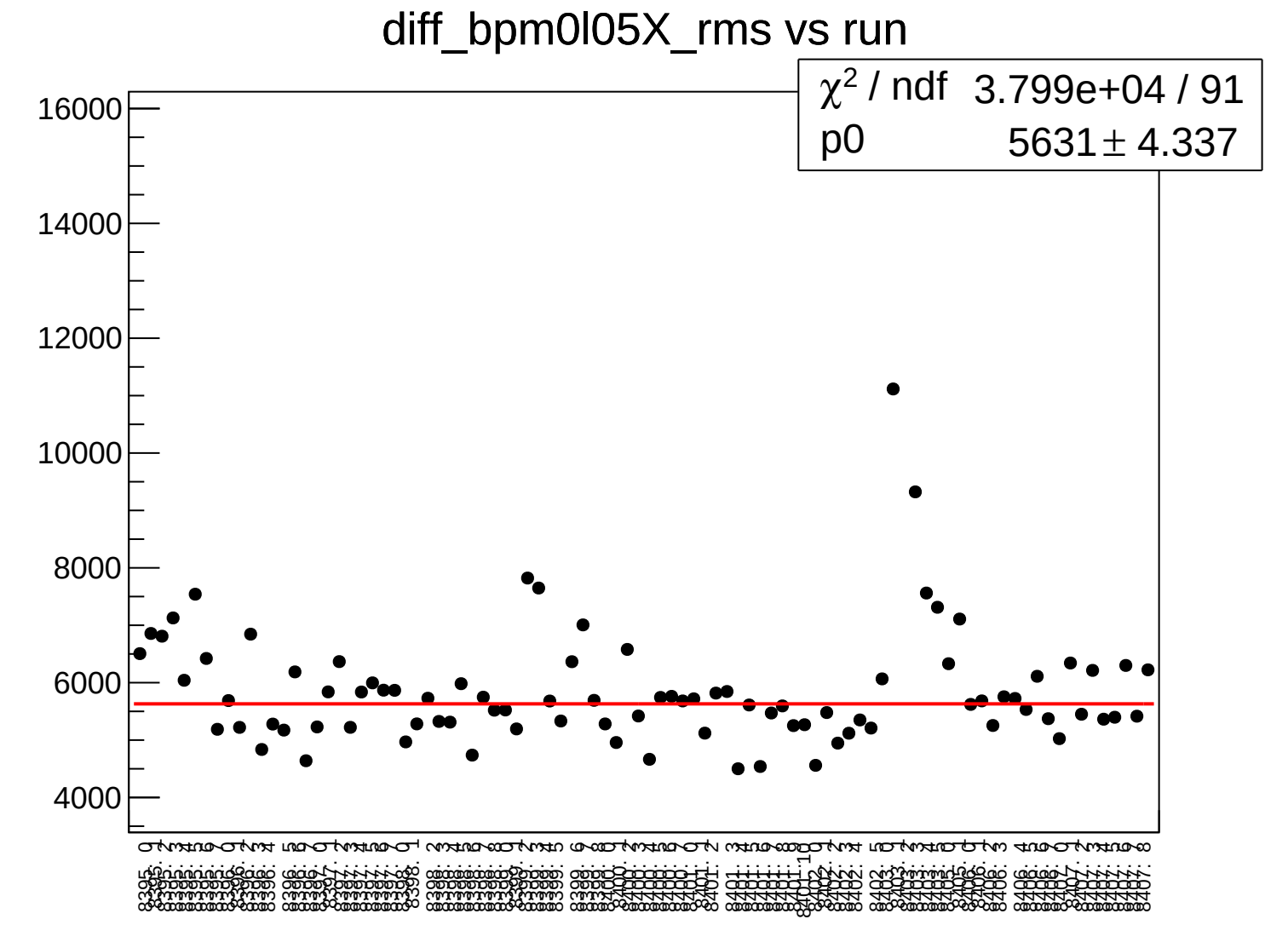

diff_bpm0l04Y_mean vs run
χ² / ndf 106.1 / 91
p0 −17.48 ± 1.222
20
0
−20
−40
−60
pull
Entries 92
Mean −157.6
Std Dev 0
3
2
1
0
−1
−2

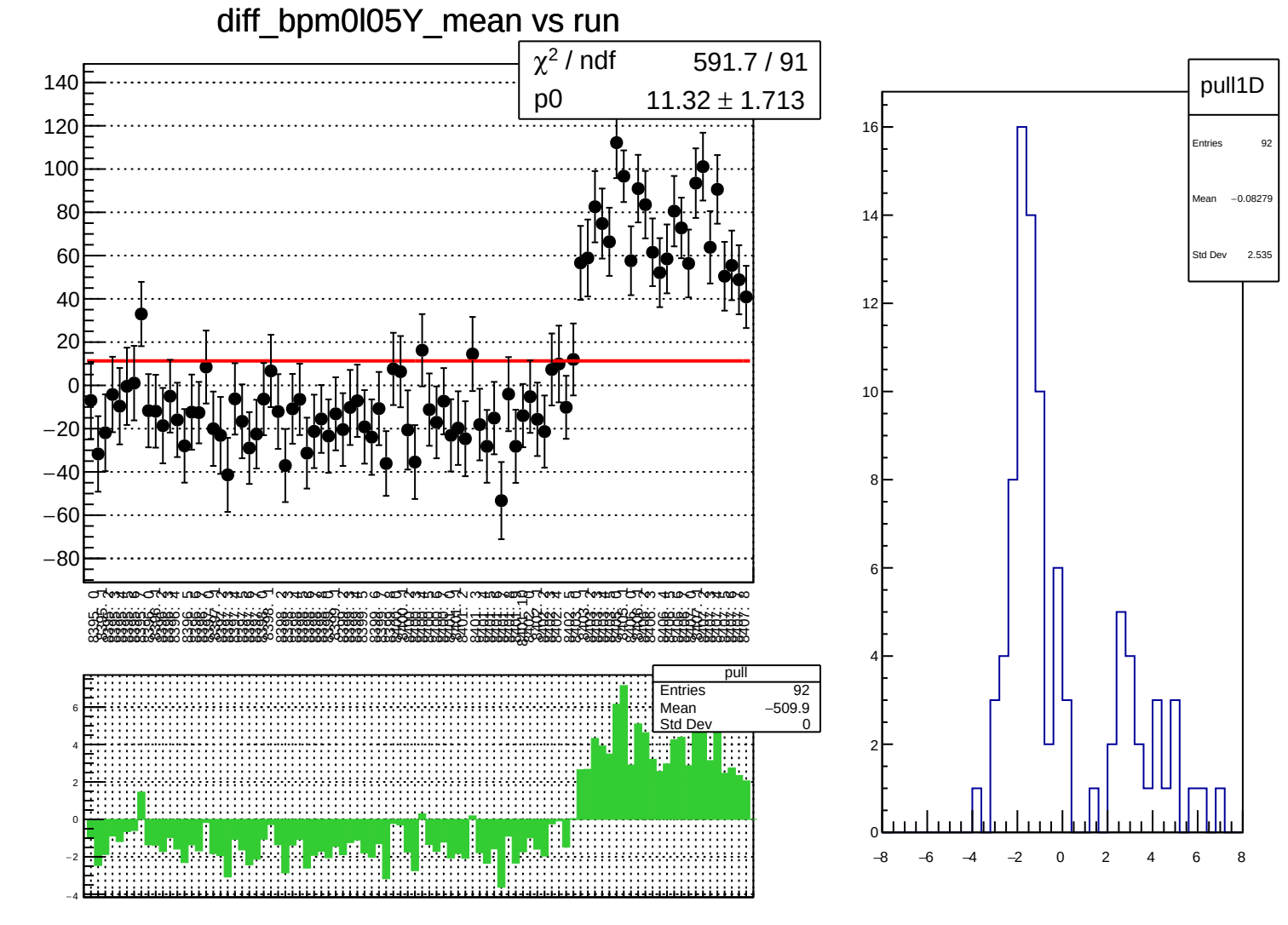

pull1D
Entries 92
Mean −0.0134
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

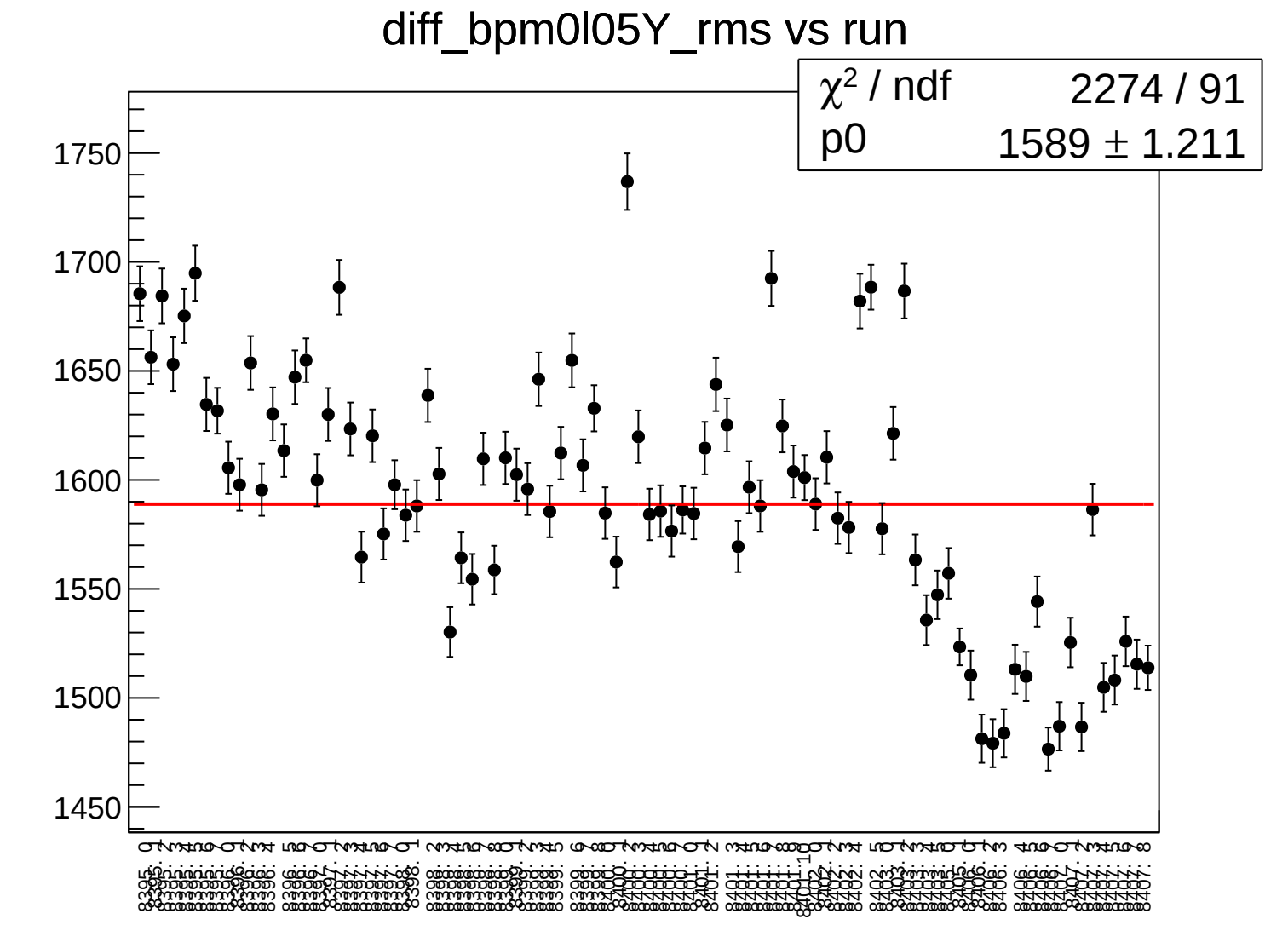

diff_bpm0l04Y_rms vs run
χ² / ndf 2000 / 91
p0 1134 ± 0.8641
1250
1200
1150
1100
1050

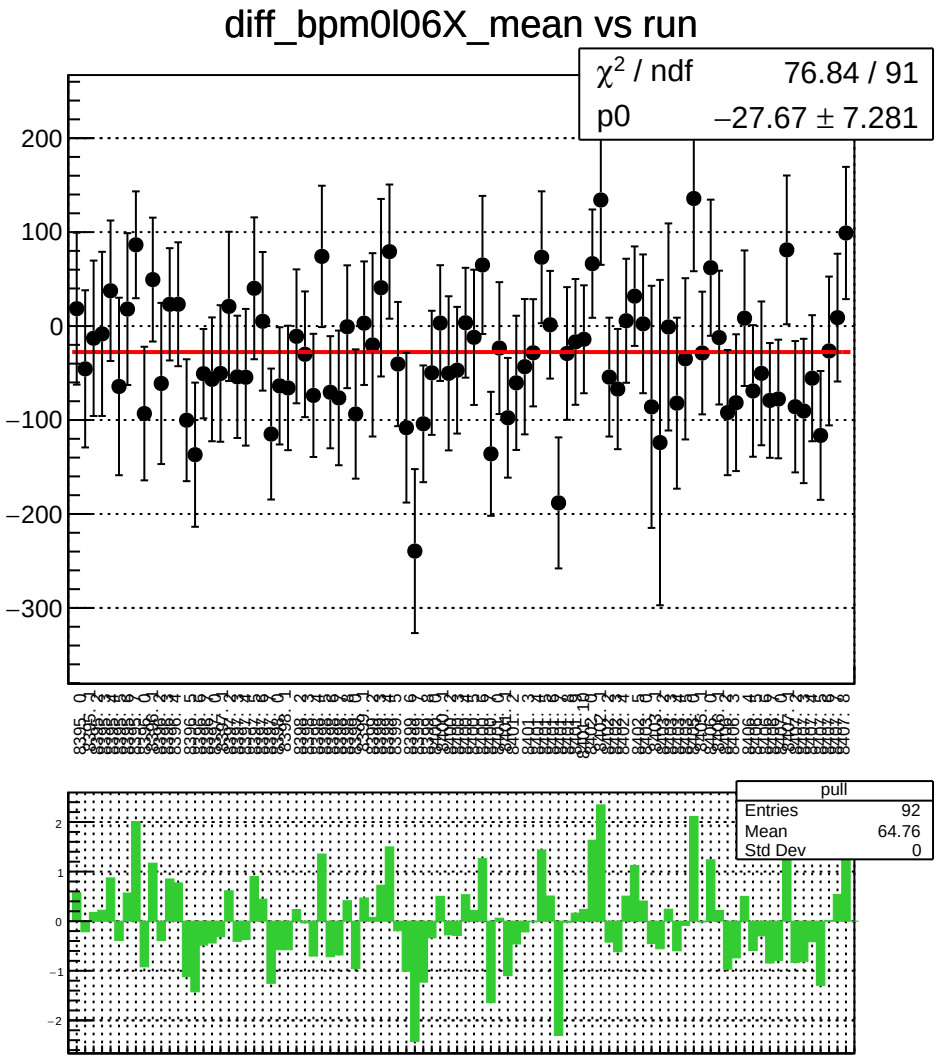

diff_bpm0l05X_mean vs run
χ² / ndf 68.23 / 91
p0 10.36 ± 6.134
pull
Entries 92
Mean −181.7
Std Dev 0

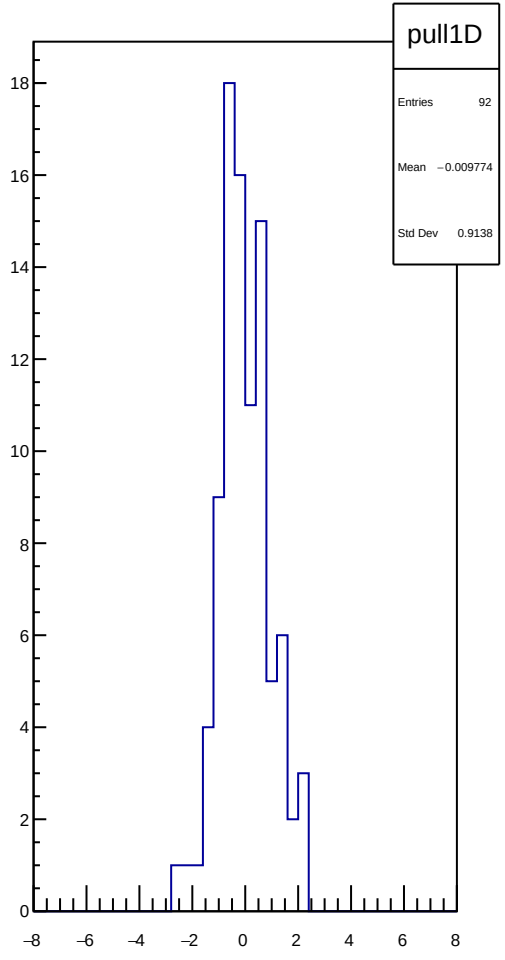

pull1D
Entries 92
Mean −0.007507
Std Dev 0.8611

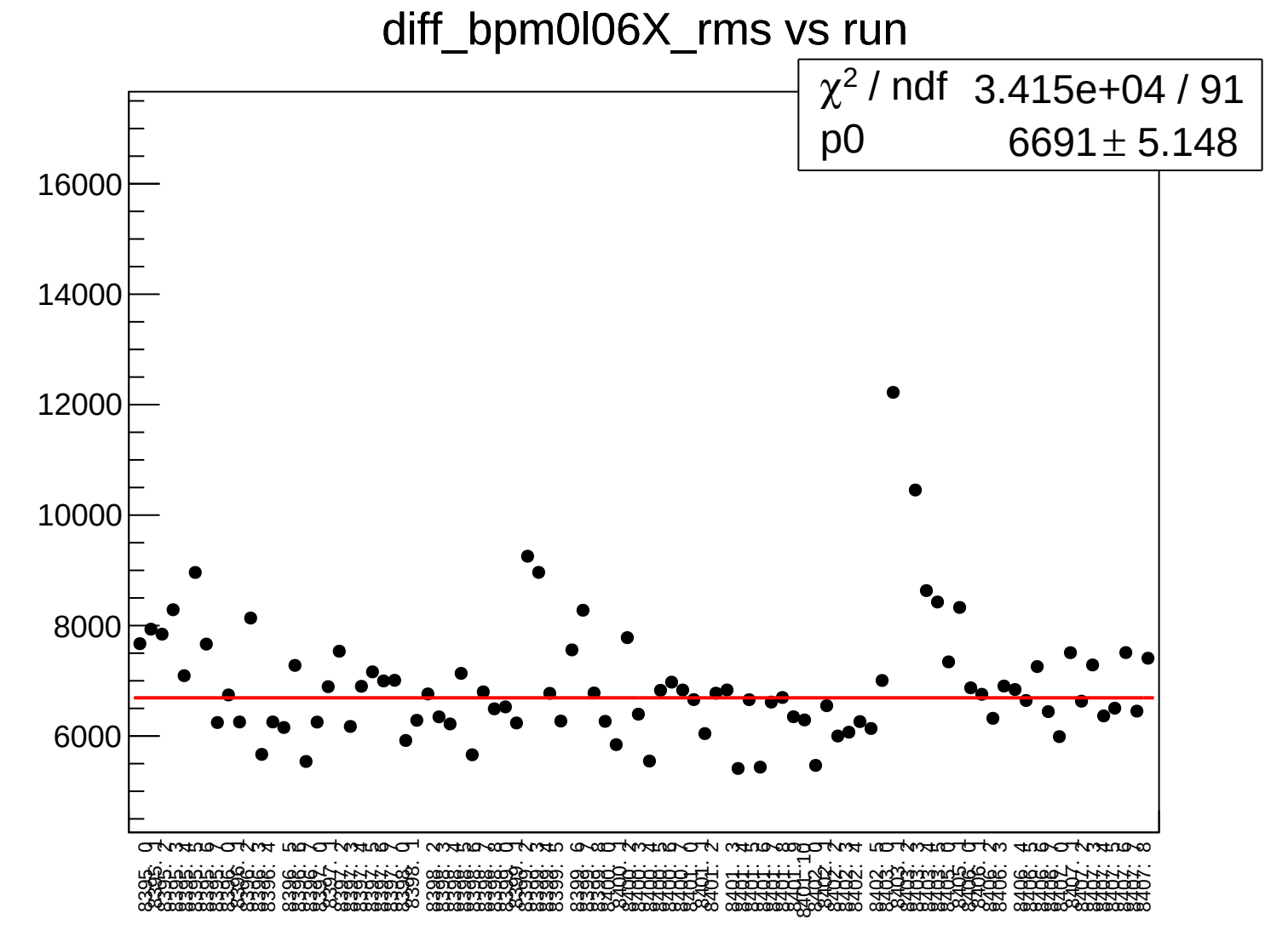

diff_bpm0l05X_rms vs run
$\chi^2$ / ndf 3.799e+04 / 91
p0 5631 ± 4.337
16000
14000
12000
10000
8000
6000
4000

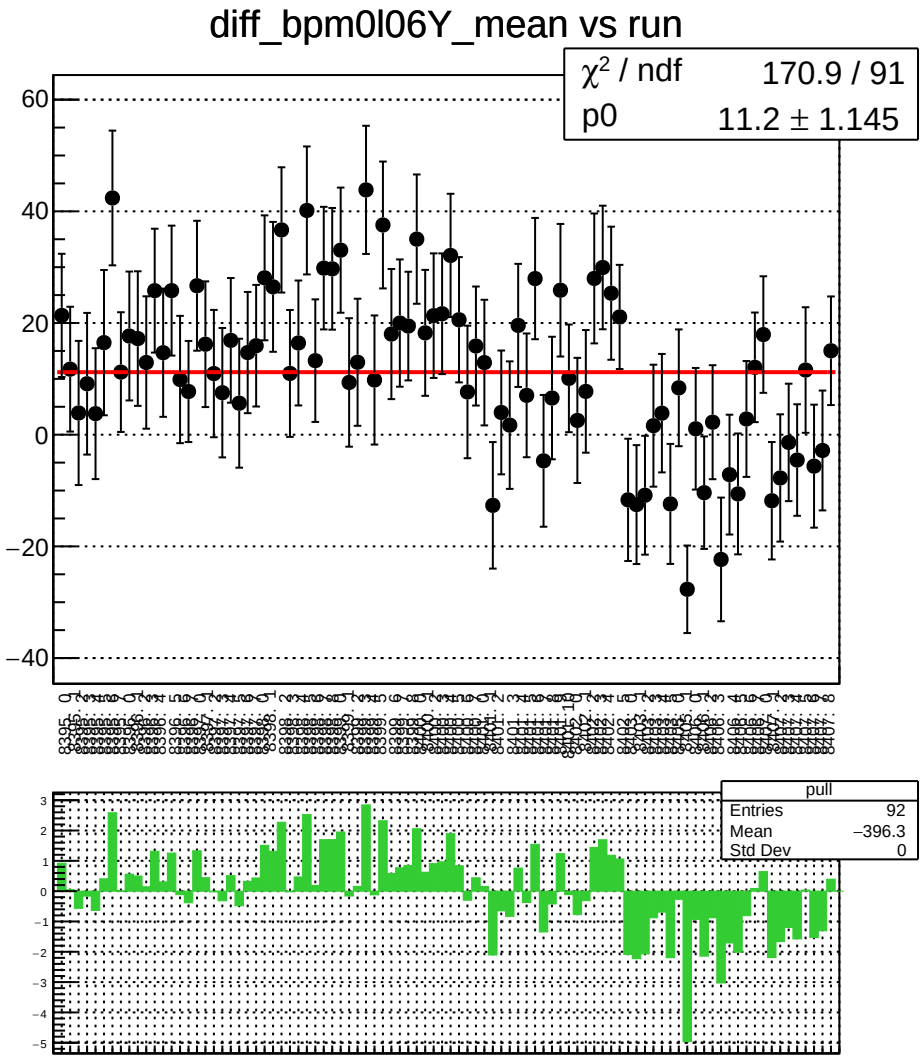

diff_bpm0l05Y_mean vs run
χ² / ndf 591.7 / 91
p0 11.32 ± 1.713
pull
Entries 92
Mean −509.9
Std Dev 0
pull1D
Entries 92
Mean −0.08279
Std Dev 2.535

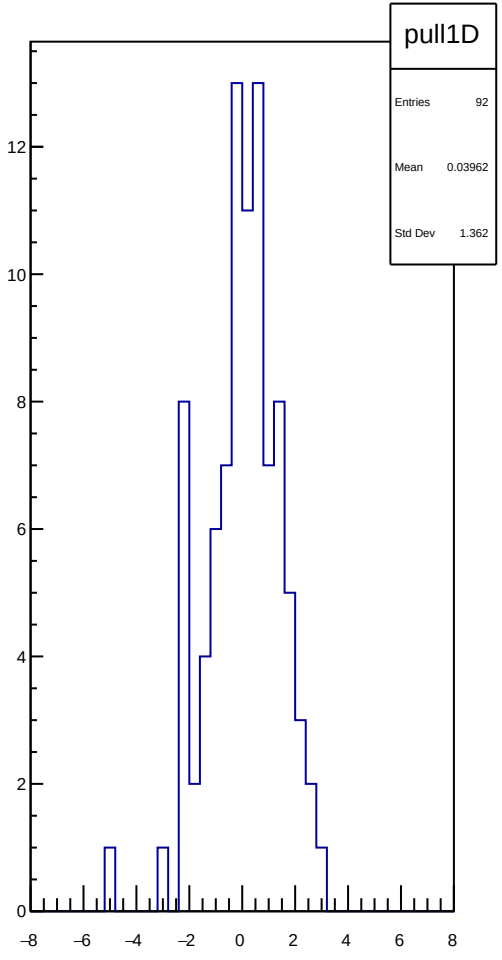

diff_bpm0l05Y_rms vs run
χ² / ndf 2274 / 91
p0 1589 ± 1.211
1750
1700
1650
1600
1550
1500
1450

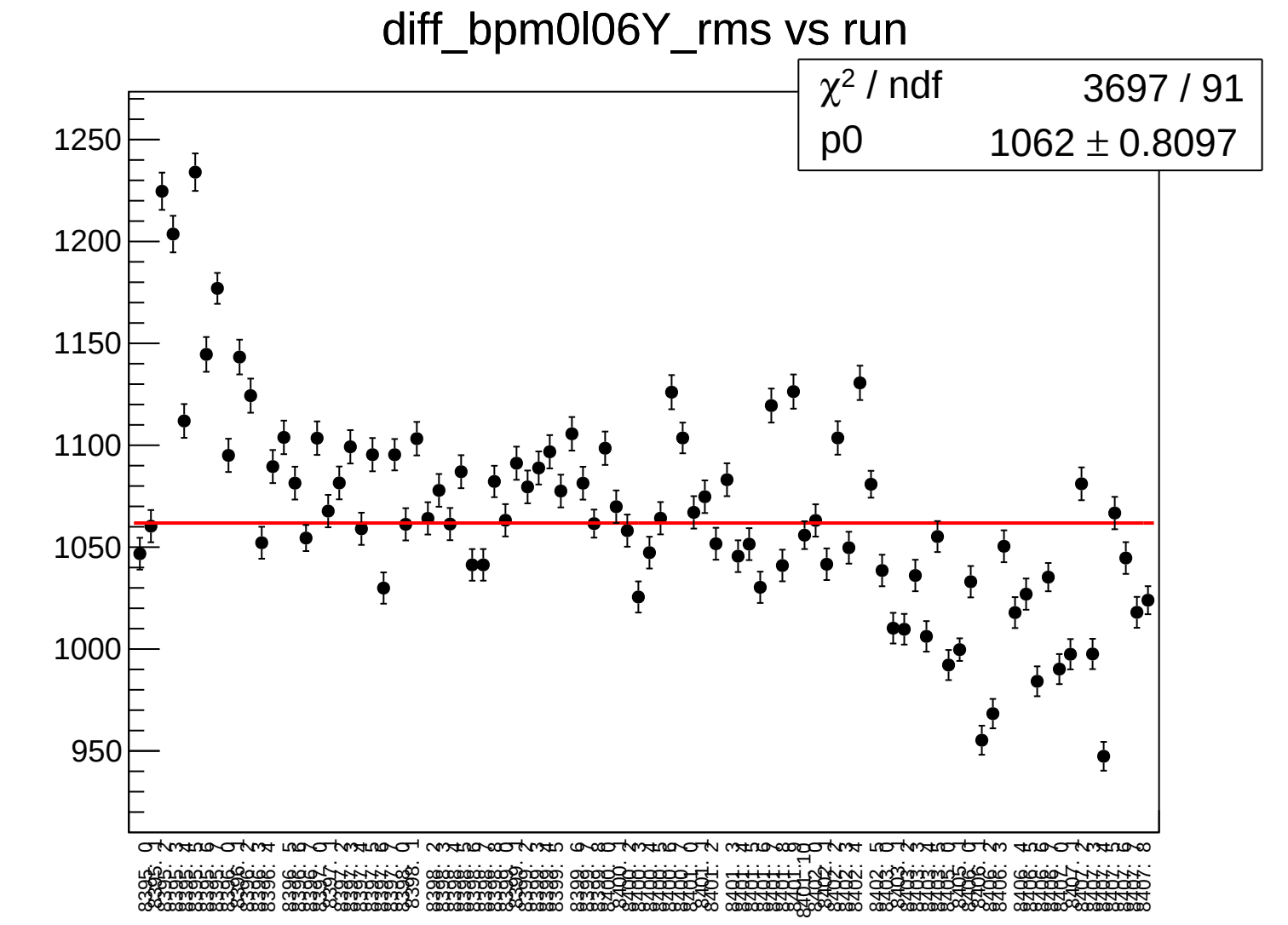

diff_bpm0l06X_mean vs run
χ² / ndf 76.84 / 91
p0 −27.67 ± 7.281
200
100
0
−100
−200
−300
pull
Entries 92
Mean 64.76
Std Dev 0
2
1
0
−1
−2

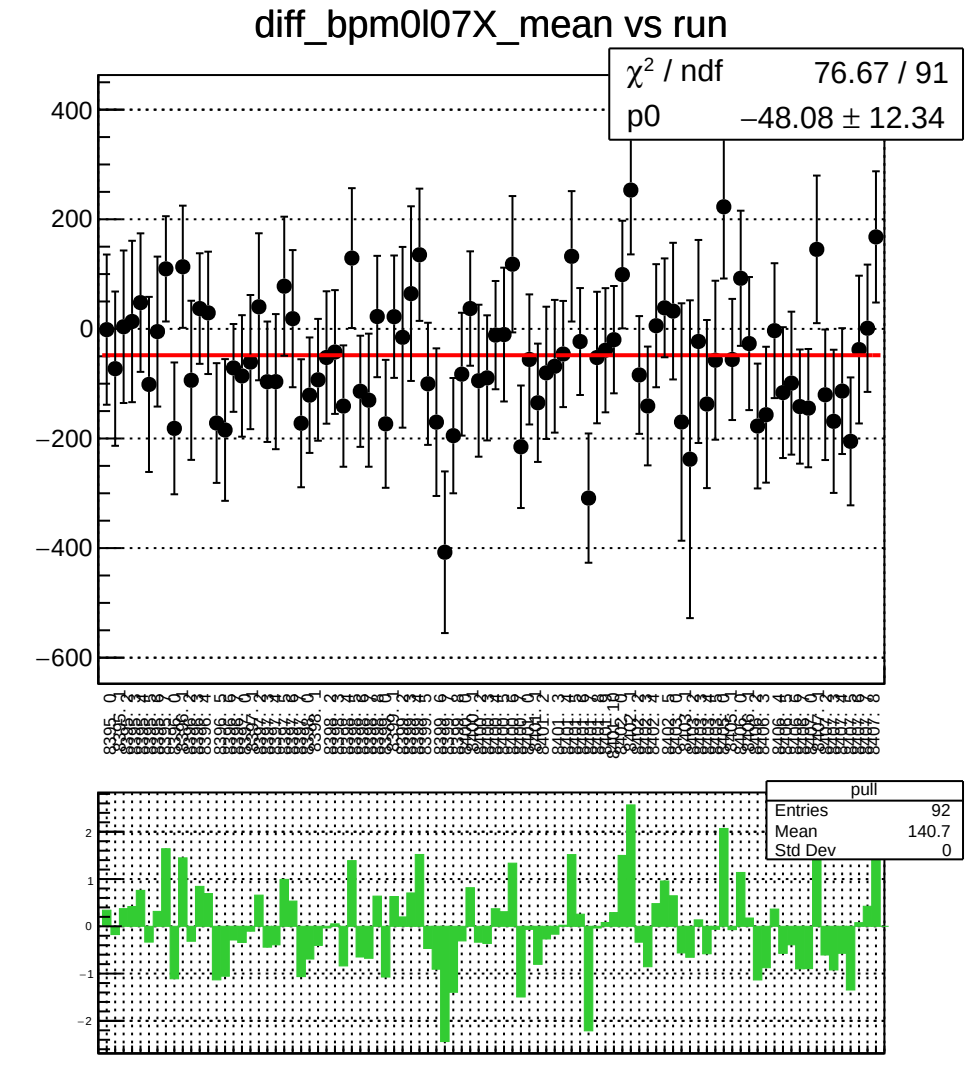

pull1D
Entries 92
Mean −0.009774
Std Dev 0.9138
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

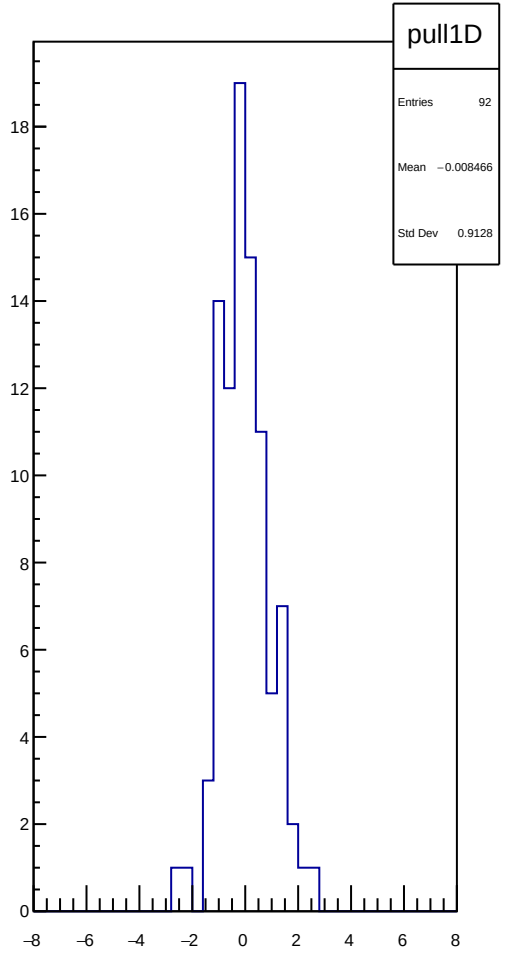

diff_bpm0l06X_rms vs run
χ² / ndf 3.415e+04 / 91
p0 6691 ± 5.148
16000
14000
12000
10000
8000
6000

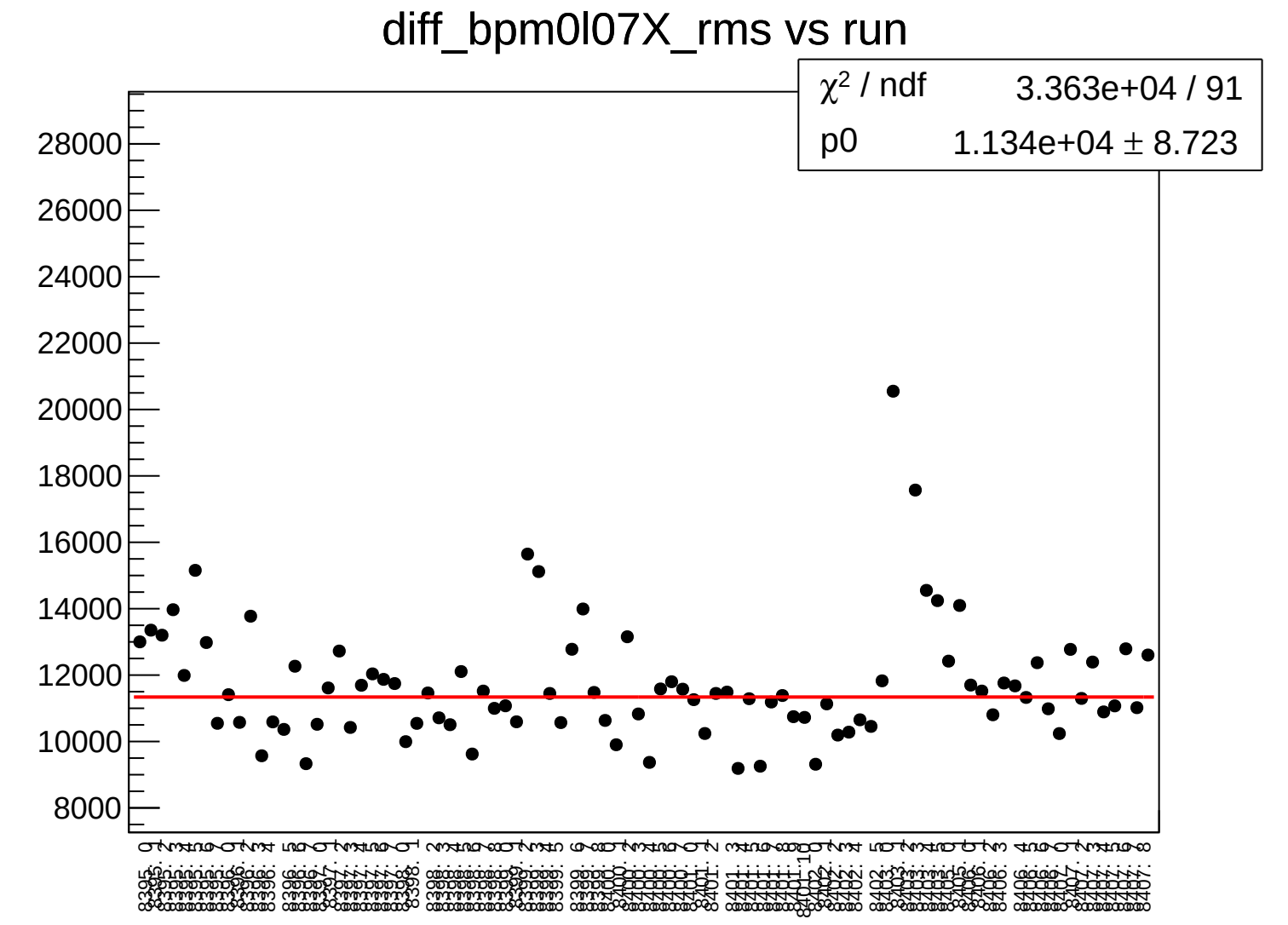

diff_bpm0l06Y_mean vs run
χ² / ndf 170.9 / 91
p0 11.2 ± 1.145
pull
Entries 92
Mean −396.3
Std Dev 0

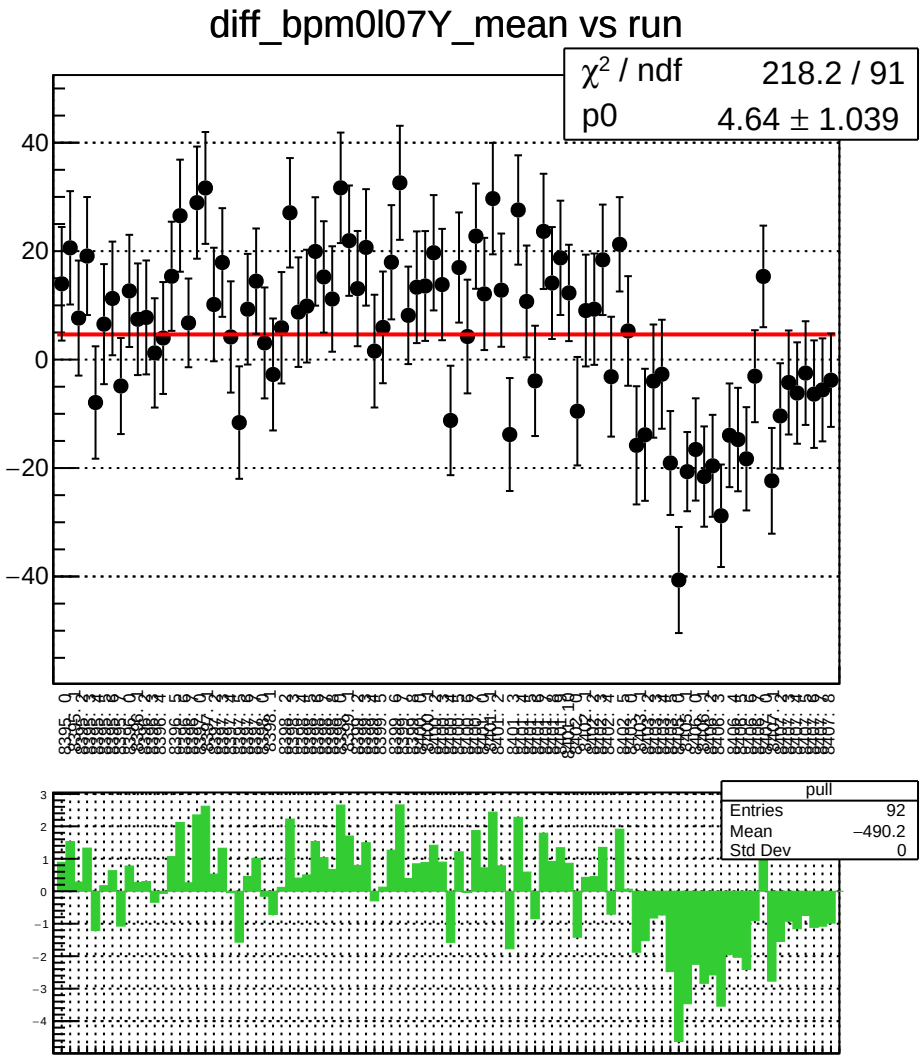

pull1D
Entries 92
Mean 0.03962
Std Dev 1.362

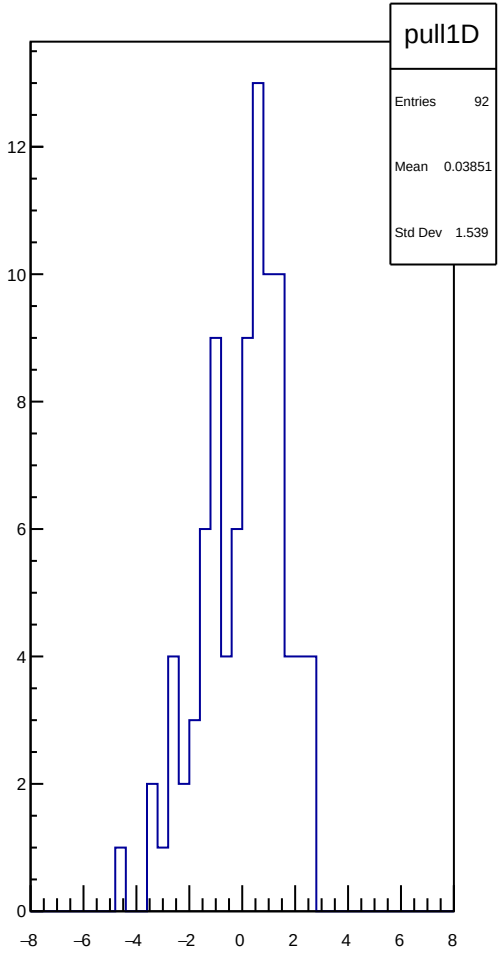

diff_bpm0l06Y_rms vs run
χ² / ndf 3697 / 91
p0 1062 ± 0.8097
1250
1200
1150
1100
1050
1000
950

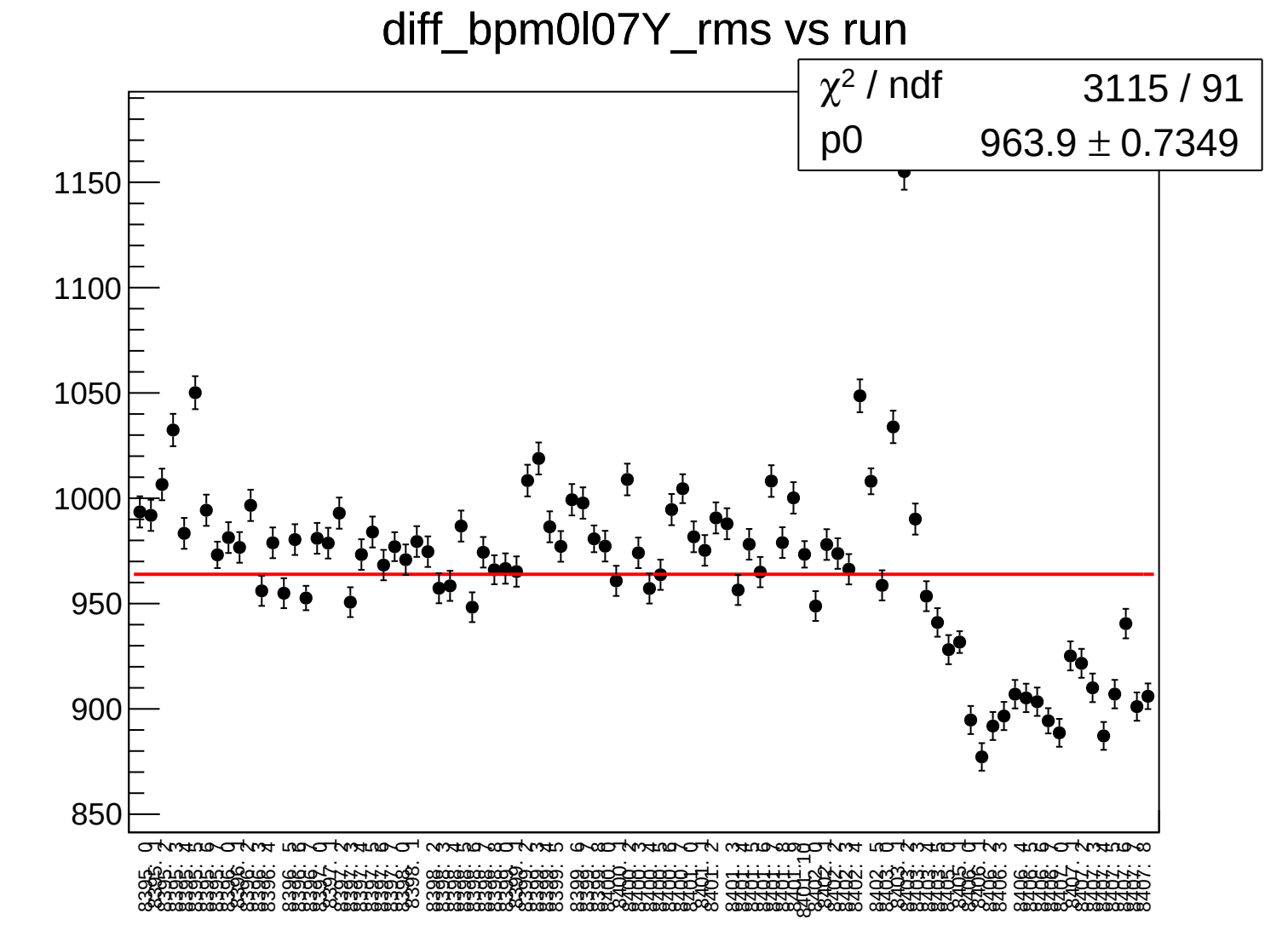

diff_bpm0l07X_mean vs run
χ² / ndf 76.67 / 91
p0 −48.08 ± 12.34
400
200
0
−200
−400
−600
pull
Entries 92
Mean 140.7
Std Dev 0
2
1
0
−1
−2

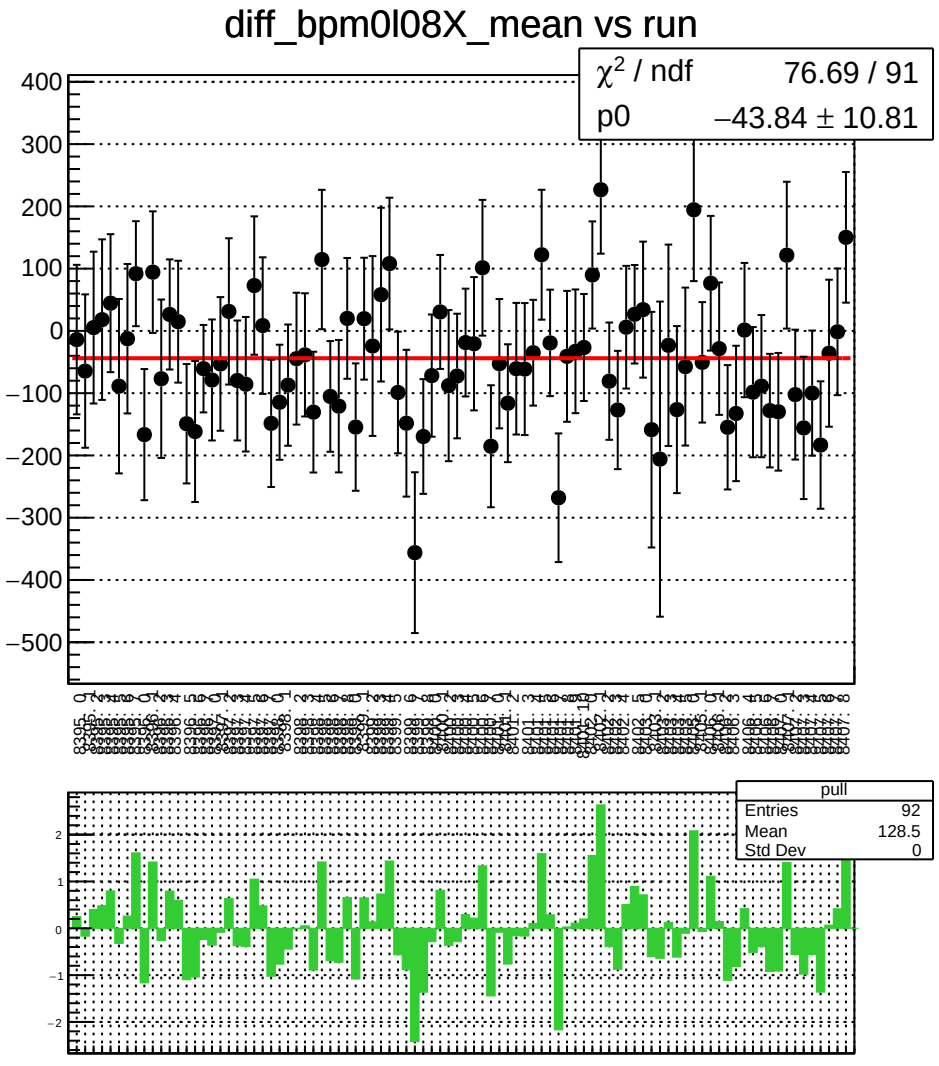

pull1D
Entries 92
Mean −0.008466
Std Dev 0.9128
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

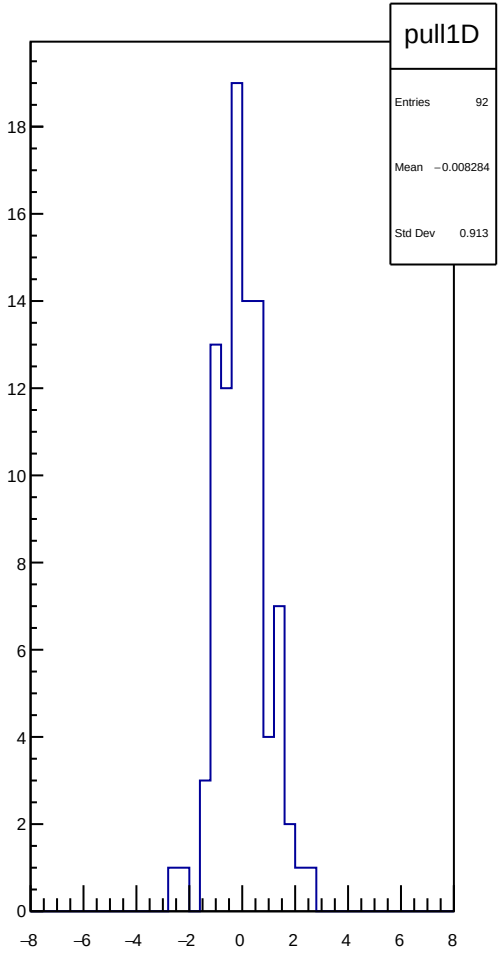

diff_bpm0l07X_rms vs run
χ² / ndf 3.363e+04 / 91
p0 1.134e+04 ± 8.723
28000
26000
24000
22000
20000
18000
16000
14000
12000
10000
8000

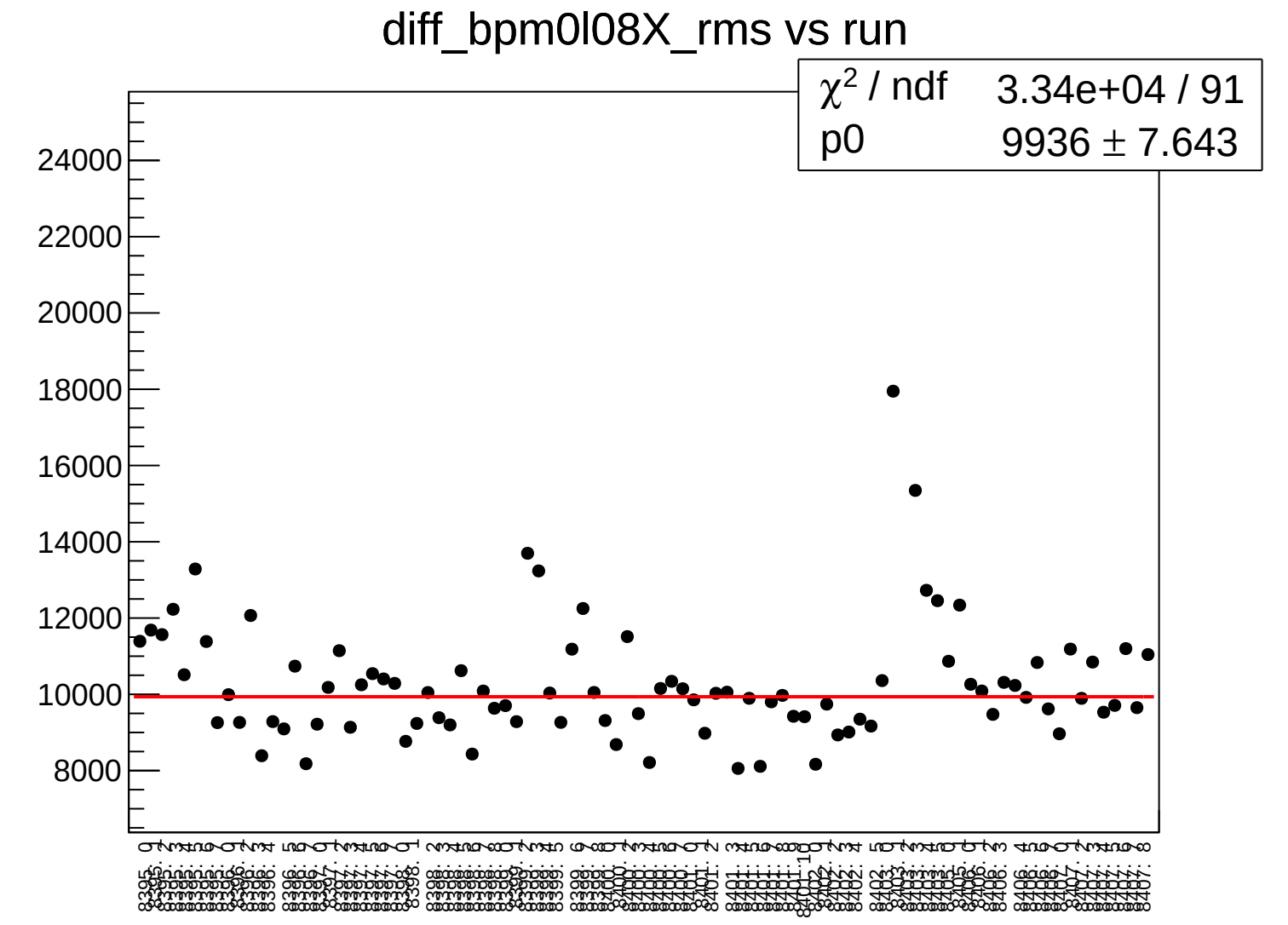

diff_bpm0l07Y_mean vs run
χ² / ndf 218.2 / 91
p0 4.64 ± 1.039
40
20
0
−20
−40
pull
Entries 92
Mean −490.2
Std Dev 0
3
2
1
0
−1
−2
−3
−4

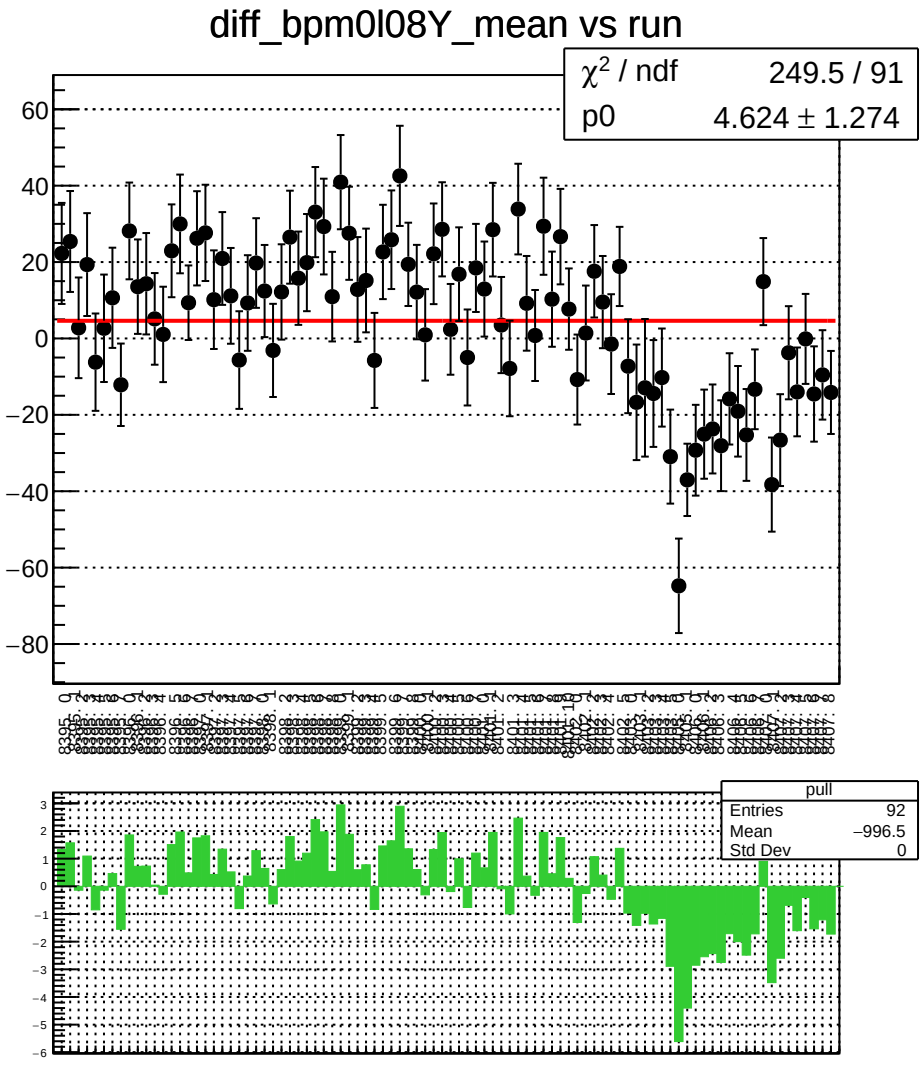

pull1D
Entries 92
Mean 0.03851
Std Dev 1.539
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

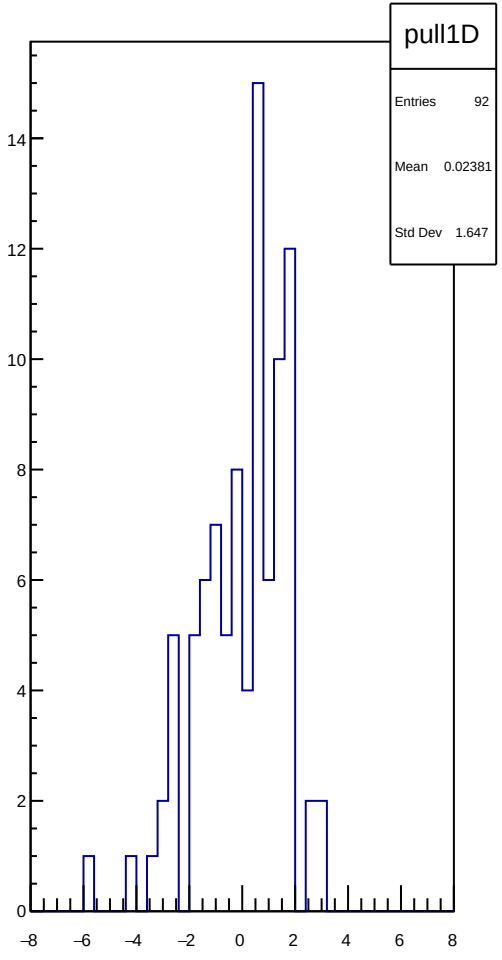

diff_bpm0l07Y_rms vs run
χ² / ndf 3115 / 91
p0 963.9 ± 0.7349
1150
1100
1050
1000
950
900
850

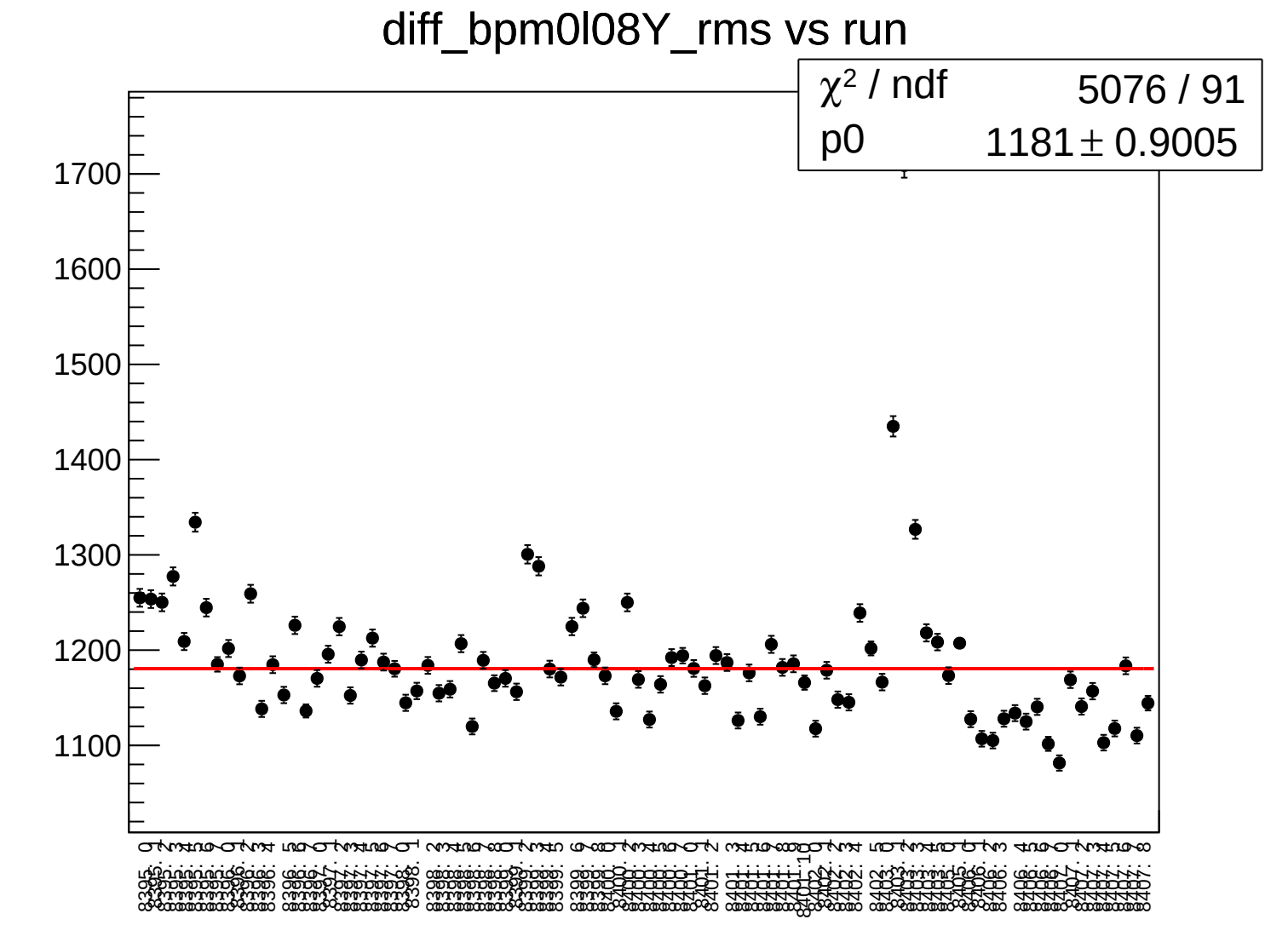

diff_bpm0l08X_mean vs run
χ² / ndf 76.69 / 91
p0 −43.84 ± 10.81
pull
Entries 92
Mean 128.5
Std Dev 0

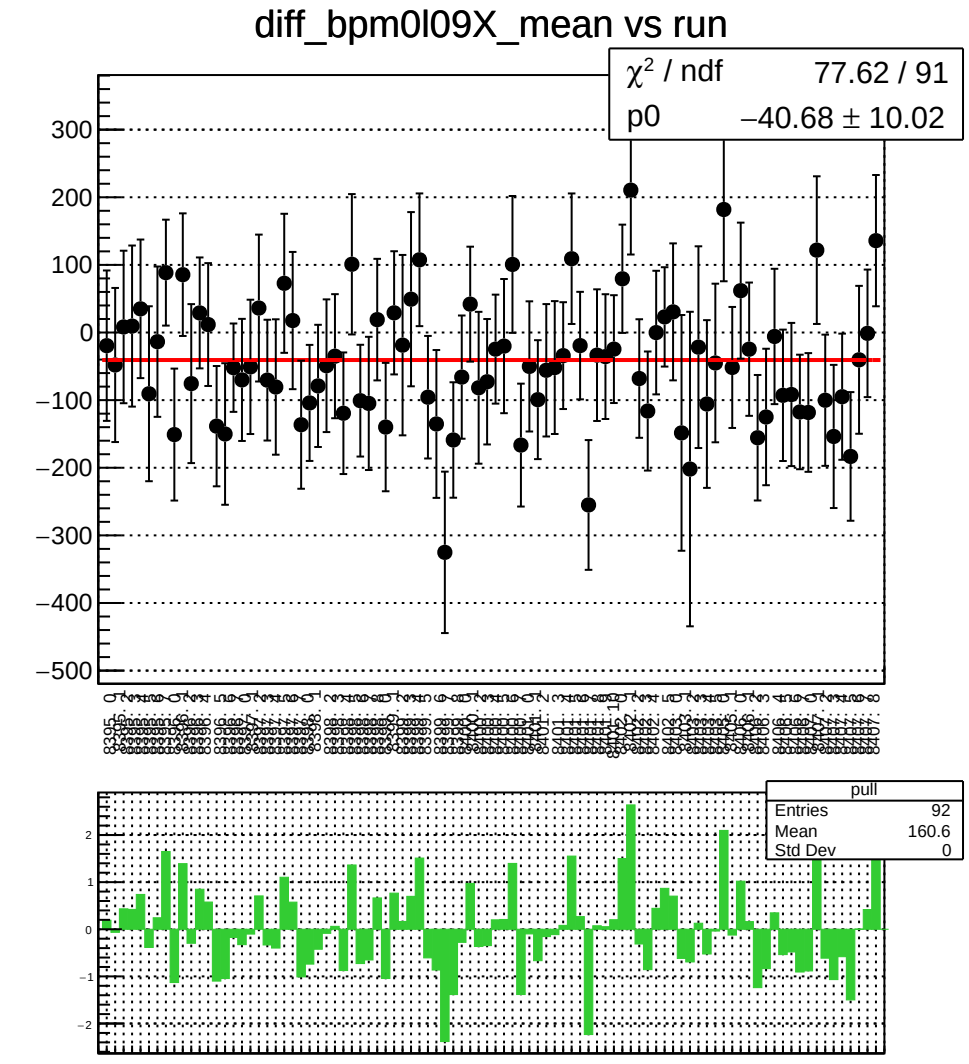

pull1D
Entries 92
Mean −0.008284
Std Dev 0.913

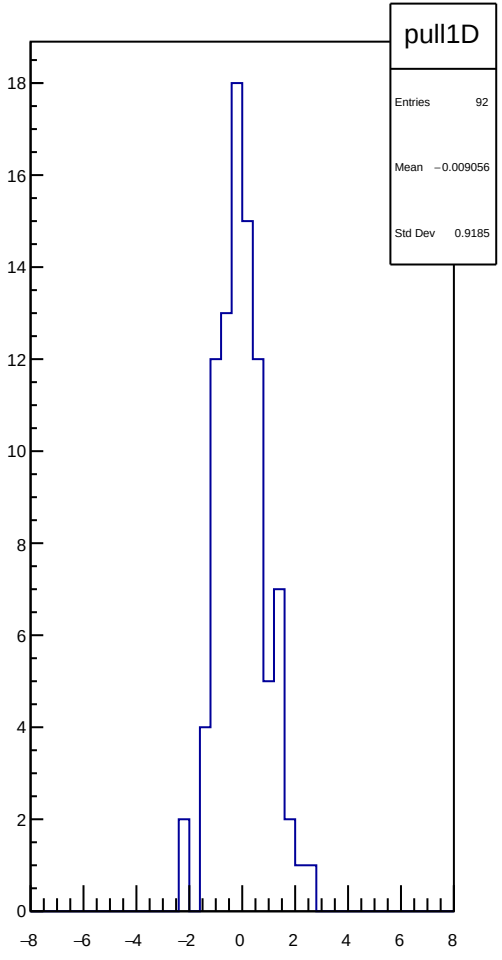

diff_bpm0l08X_rms vs run
χ² / ndf 3.34e+04 / 91
p0 9936 ± 7.643
24000
22000
20000
18000
16000
14000
12000
10000
8000

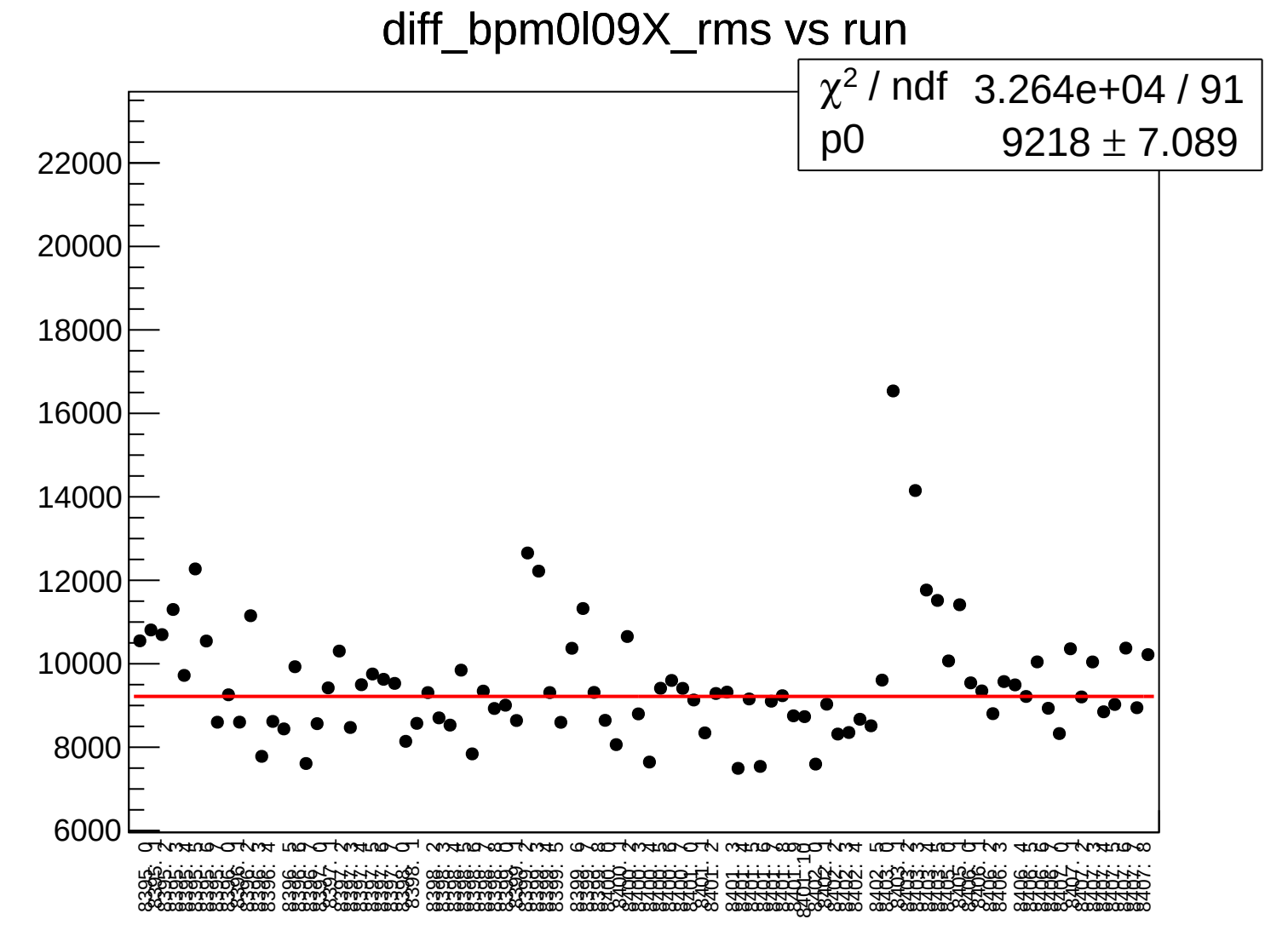

diff_bpm0l08Y_mean vs run
χ² / ndf 249.5 / 91
p0 4.624 ± 1.274
pull
Entries 92
Mean −996.5
Std Dev 0

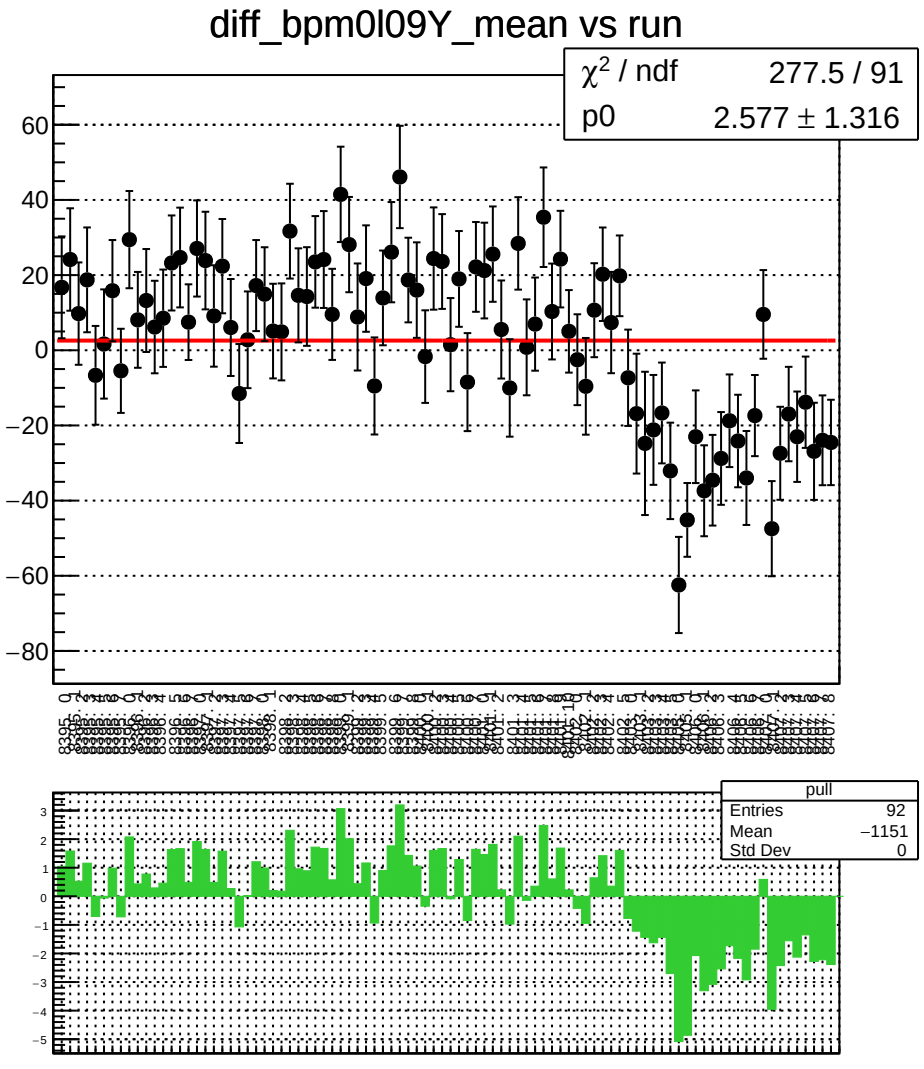

pull1D
Entries 92
Mean 0.02381
Std Dev 1.647

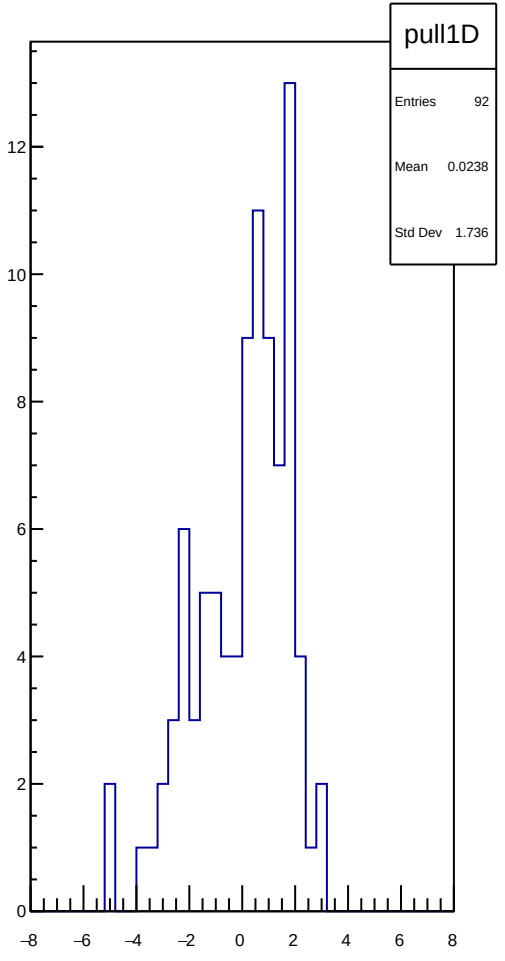

diff_bpm0l08Y_rms vs run
χ² / ndf 5076 / 91
p0 1181 ± 0.9005
1700
1600
1500
1400
1300
1200
1100

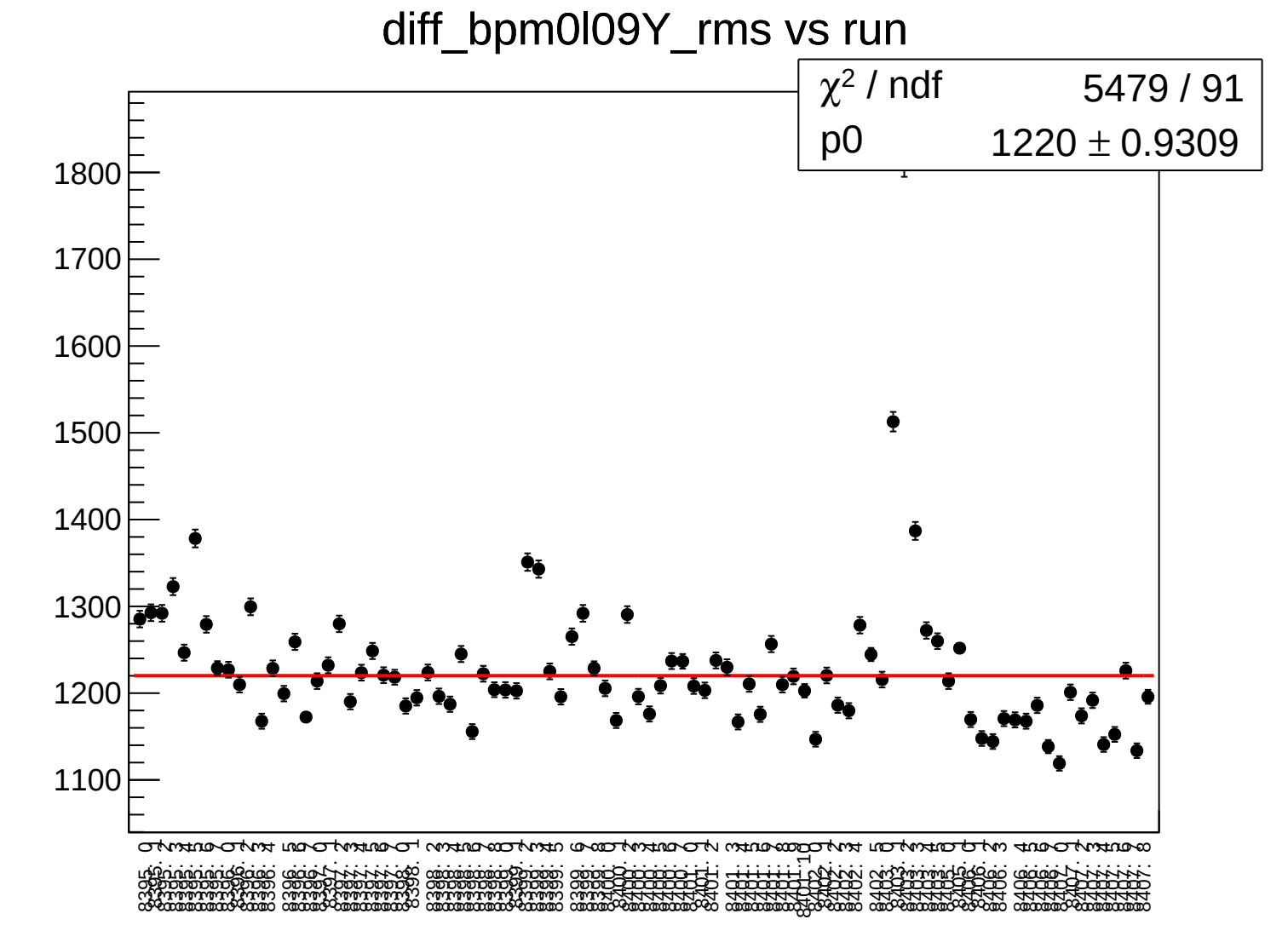

diff_bpm0l09X_mean vs run
χ² / ndf 77.62 / 91
p0 −40.68 ± 10.02
pull
Entries 92
Mean 160.6
Std Dev 0

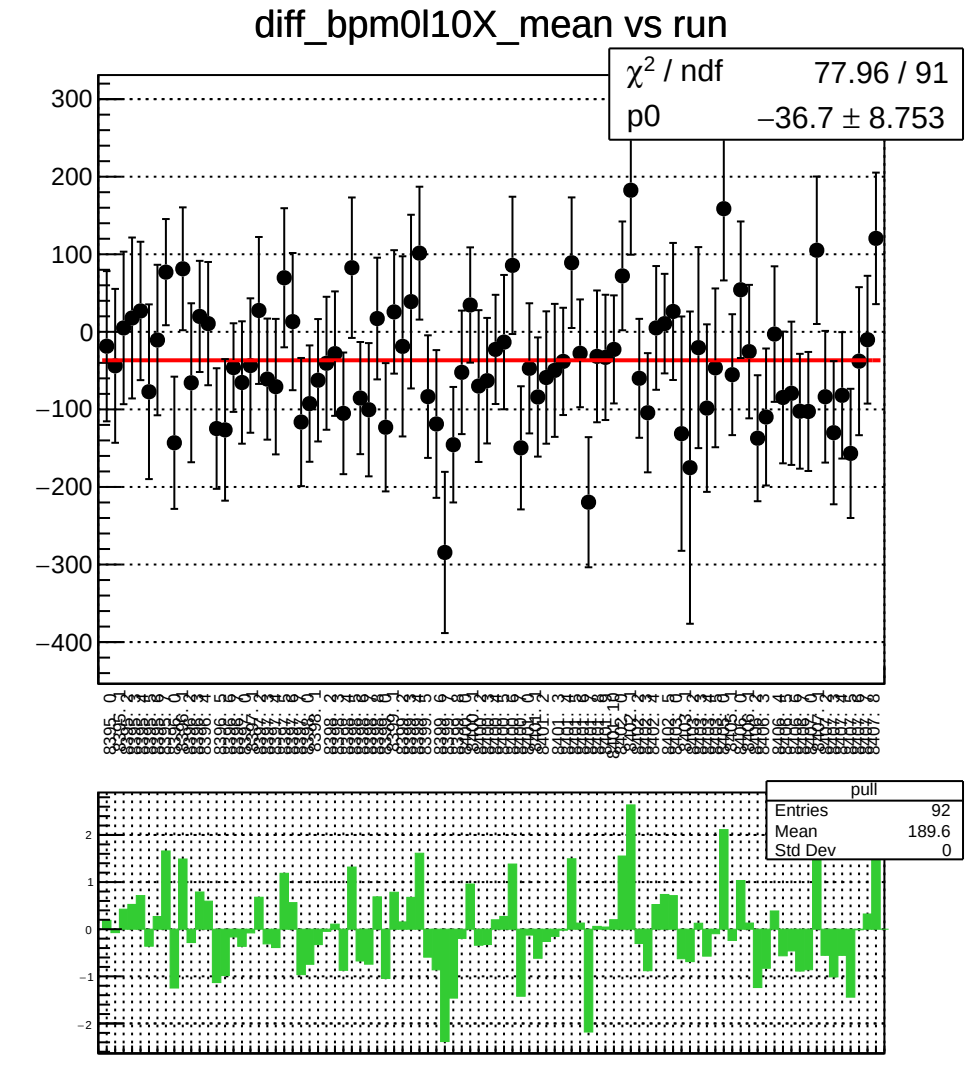

pull1D
Entries 92
Mean −0.009056
Std Dev 0.9185

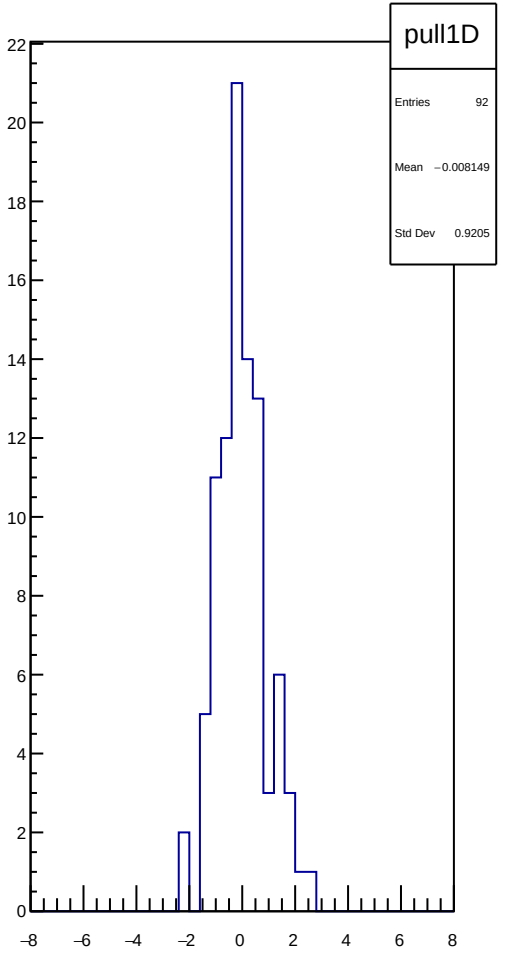

diff_bpm0l09X_rms vs run
χ² / ndf 3.264e+04 / 91
p0 9218 ± 7.089
22000
20000
18000
16000
14000
12000
10000
8000
6000

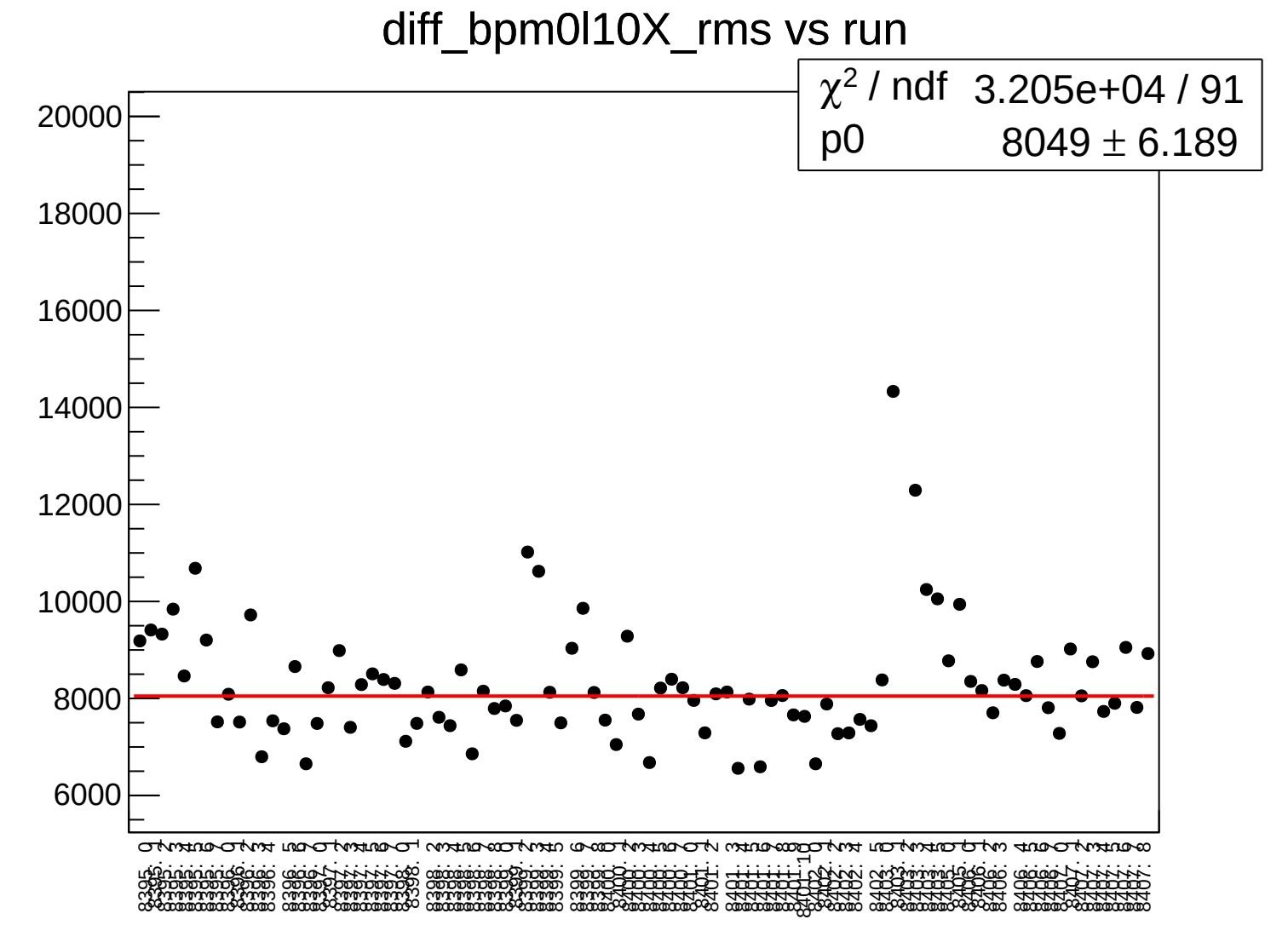

diff_bpm0l09Y_mean vs run
χ² / ndf 277.5 / 91
p0 2.577 ± 1.316
pull
Entries 92
Mean −1151
Std Dev 0

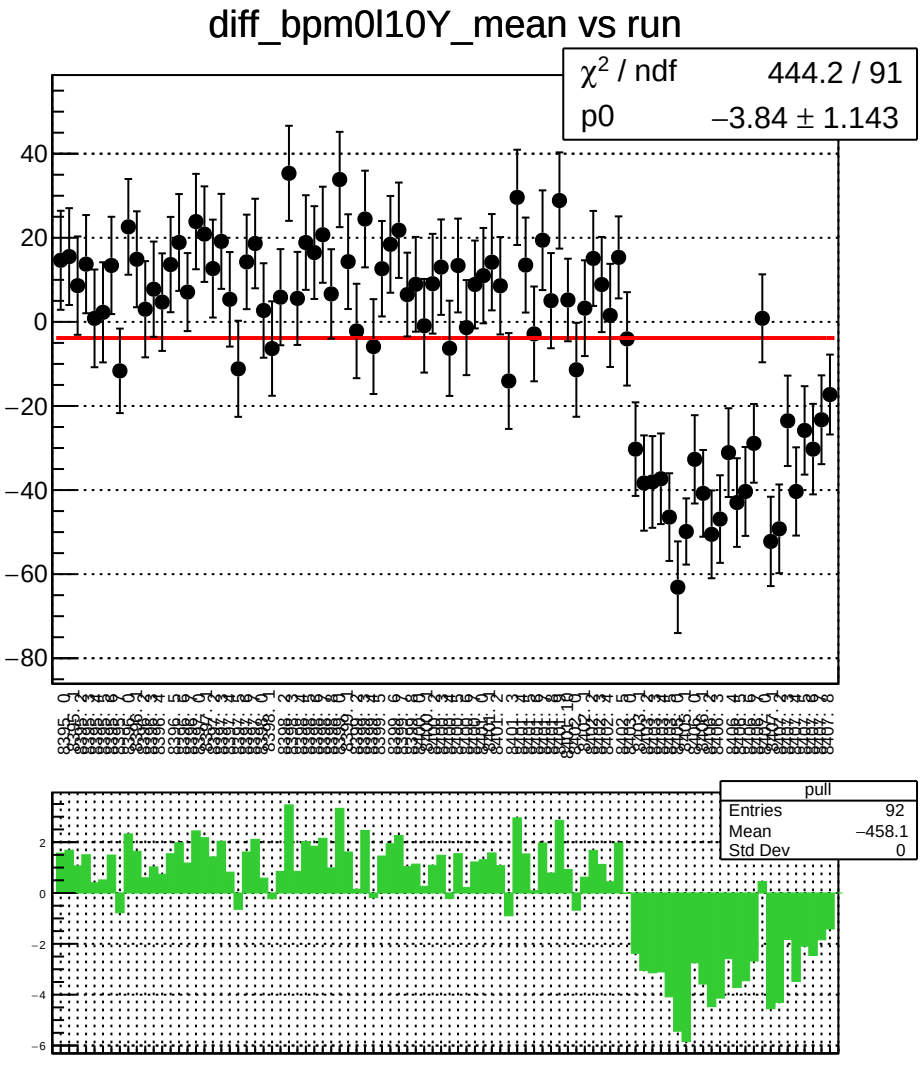

pull1D
Entries 92
Mean 0.0238
Std Dev 1.736

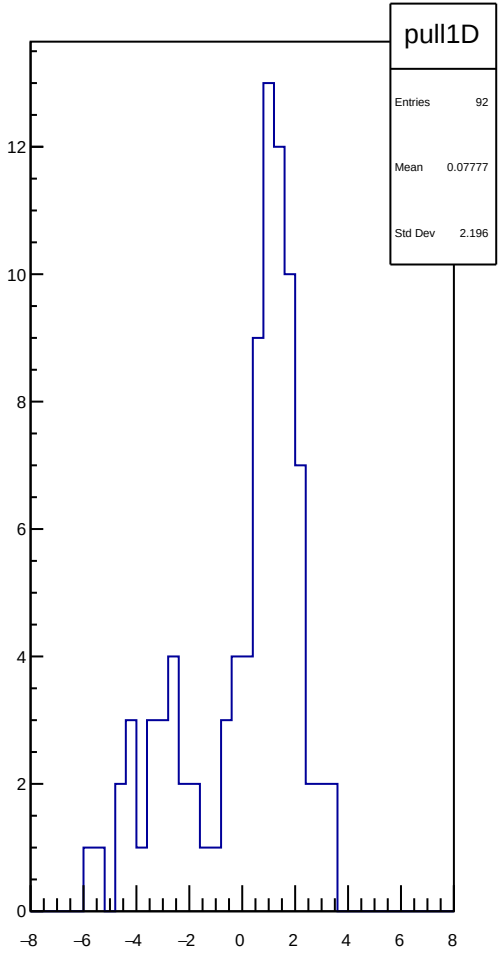

diff_bpm0l09Y_rms vs run
χ² / ndf 5479 / 91
p0 1220 ± 0.9309
1800
1700
1600
1500
1400
1300
1200
1100

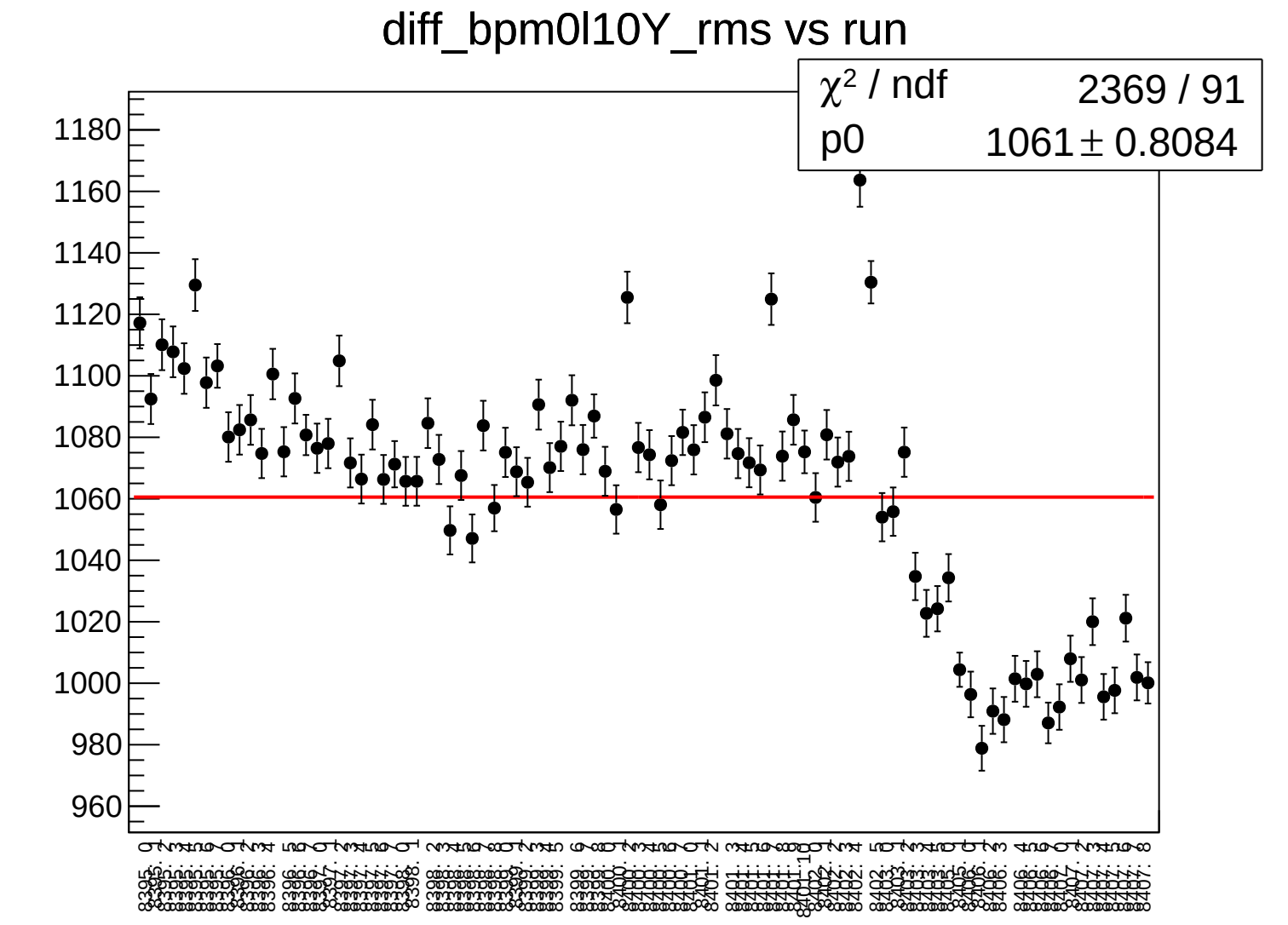

diff_bpm0l10X_mean vs run
χ² / ndf 77.96 / 91
p0 −36.7 ± 8.753
pull
Entries 92
Mean 189.6
Std Dev 0

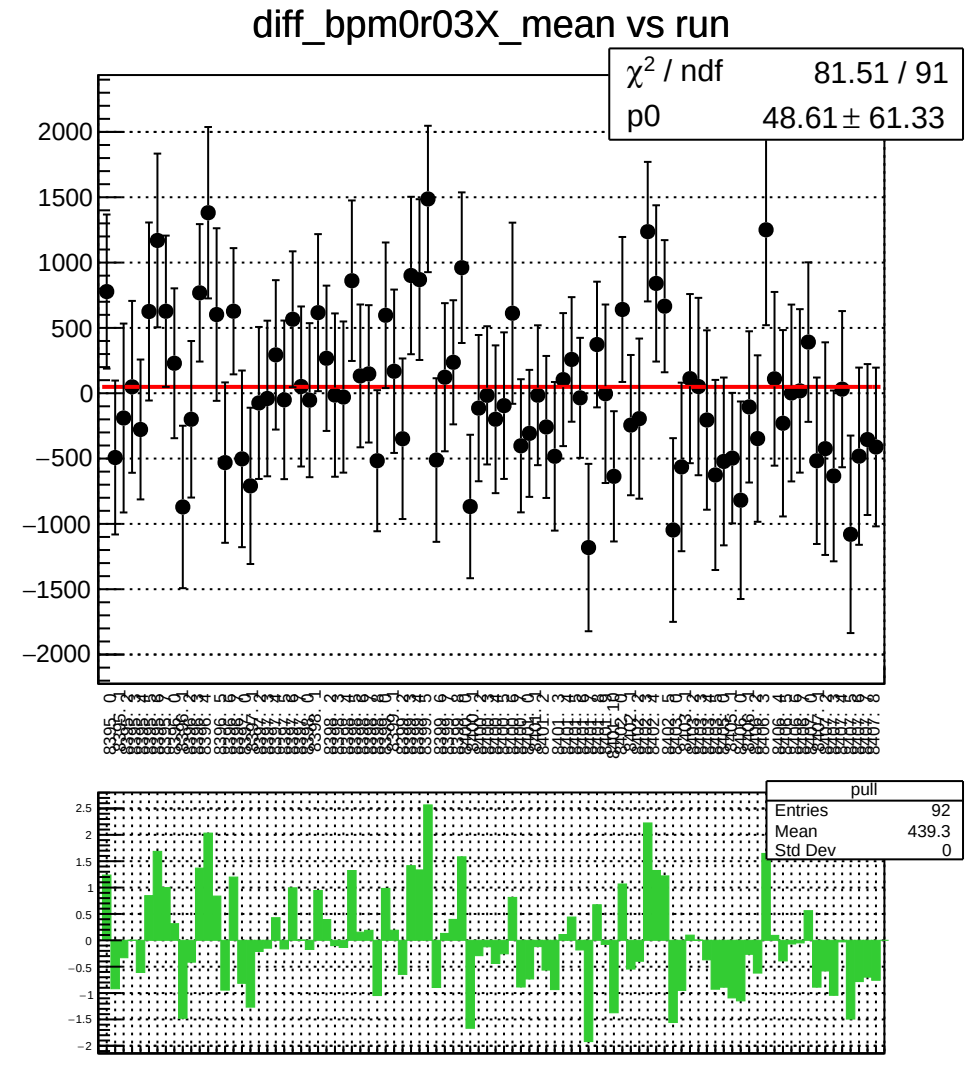

pull1D
Entries 92
Mean −0.008149
Std Dev 0.9205

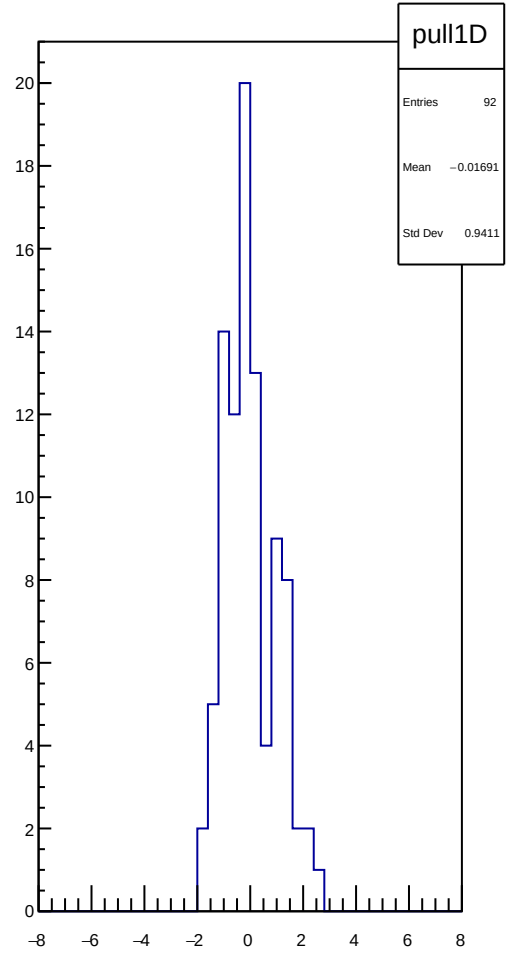

diff_bpm0l10X_rms vs run
χ² / ndf 3.205e+04 / 91
p0 8049 ± 6.189
20000
18000
16000
14000
12000
10000
8000
6000

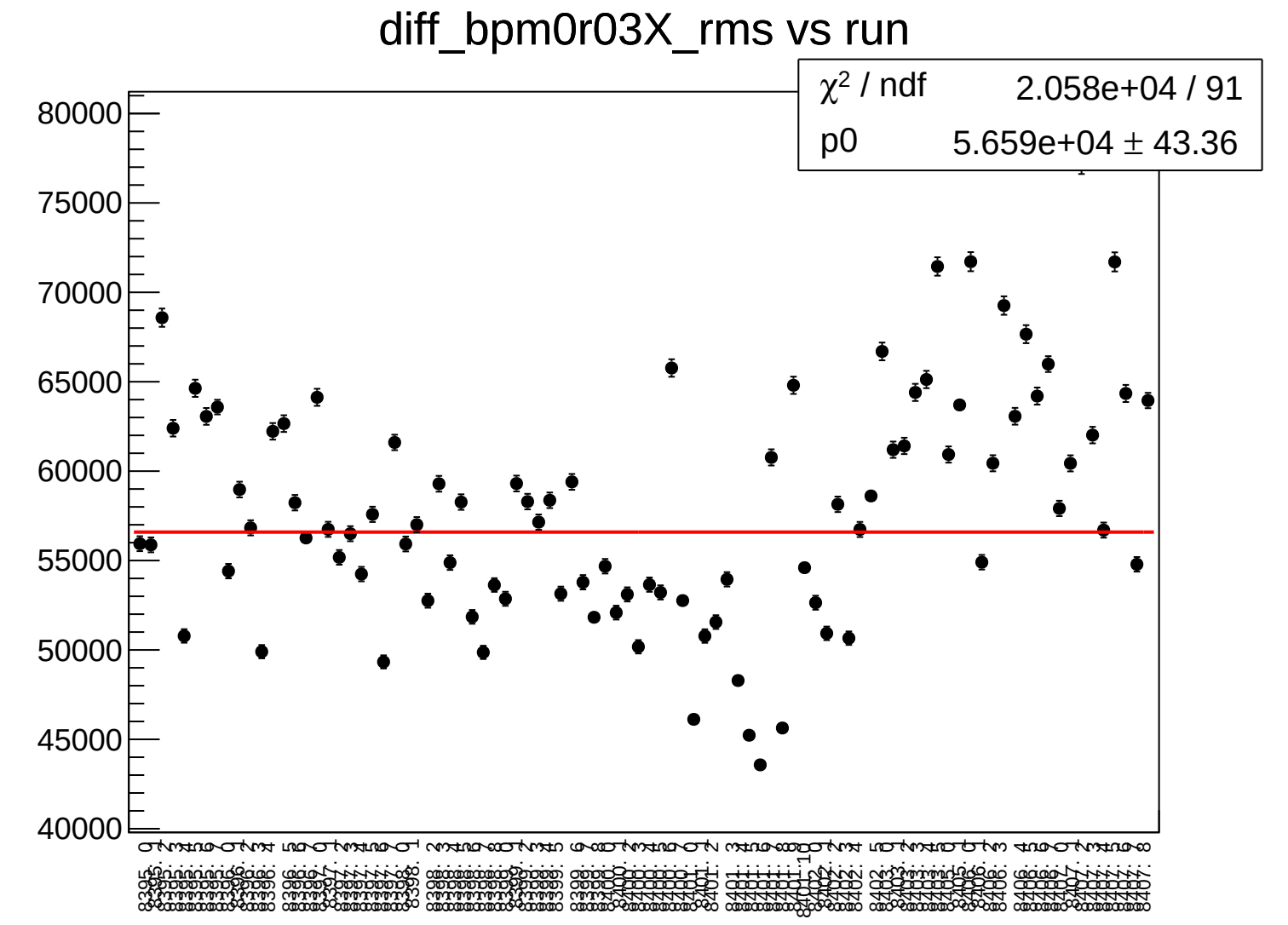

diff_bpm0l10Y_mean vs run
χ² / ndf 444.2 / 91
p0 −3.84 ± 1.143
pull
Entries 92
Mean −458.1
Std Dev 0

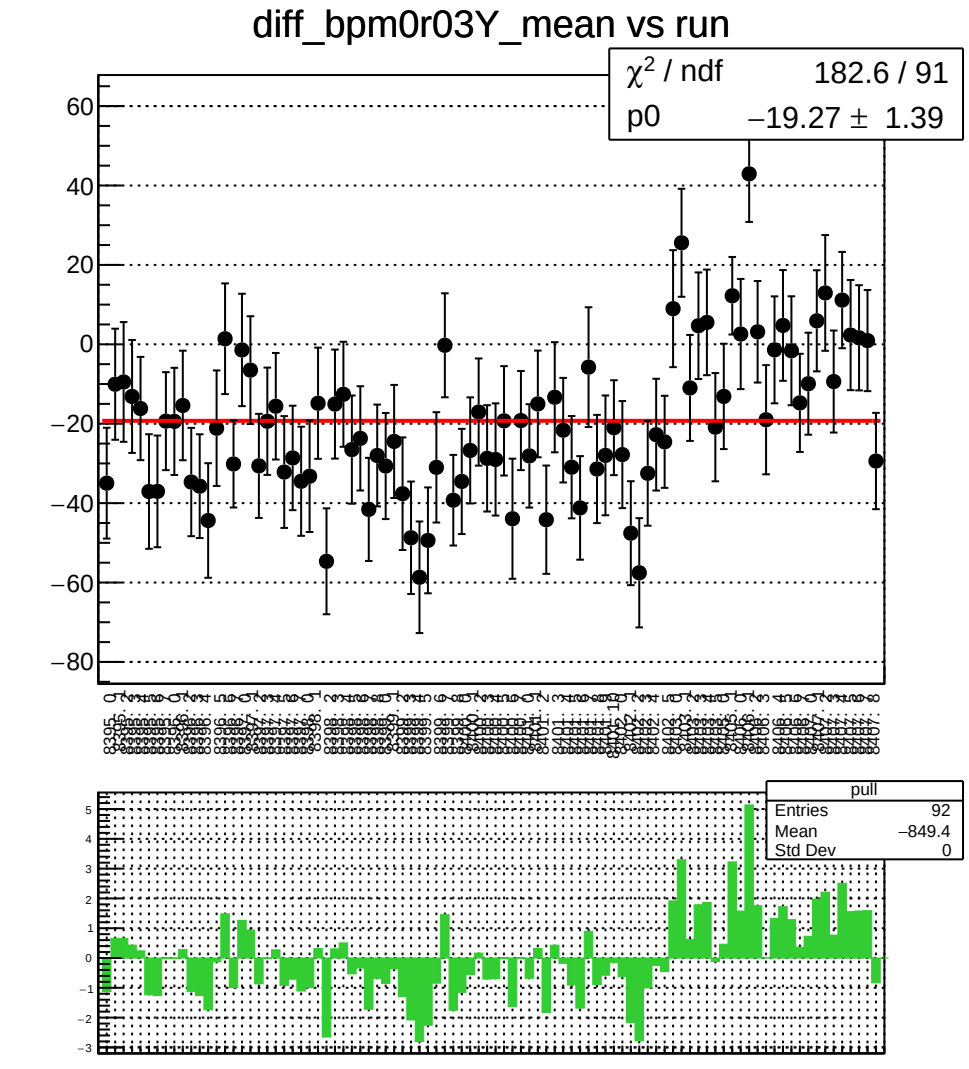

pull1D
Entries 92
Mean 0.07777
Std Dev 2.196

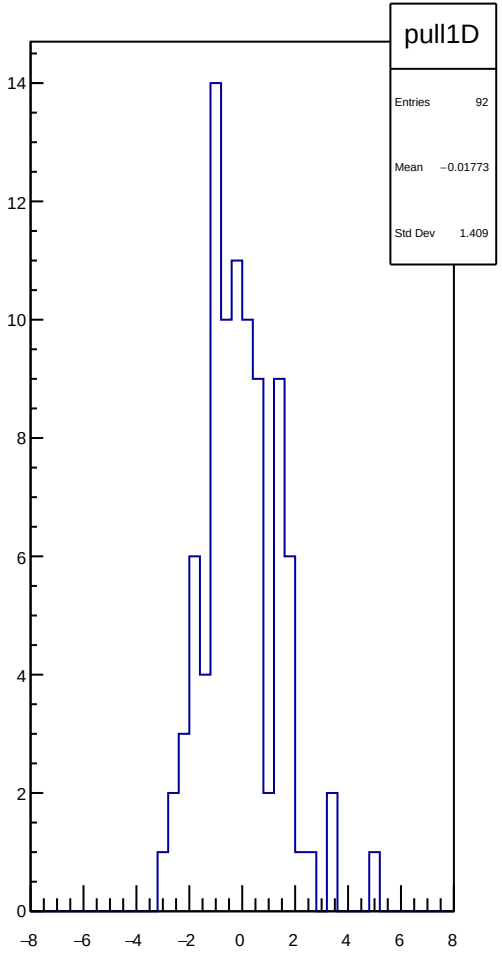

diff_bpm0l10Y_rms vs run
χ² / ndf 2369 / 91
p0 1061 ± 0.8084
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960

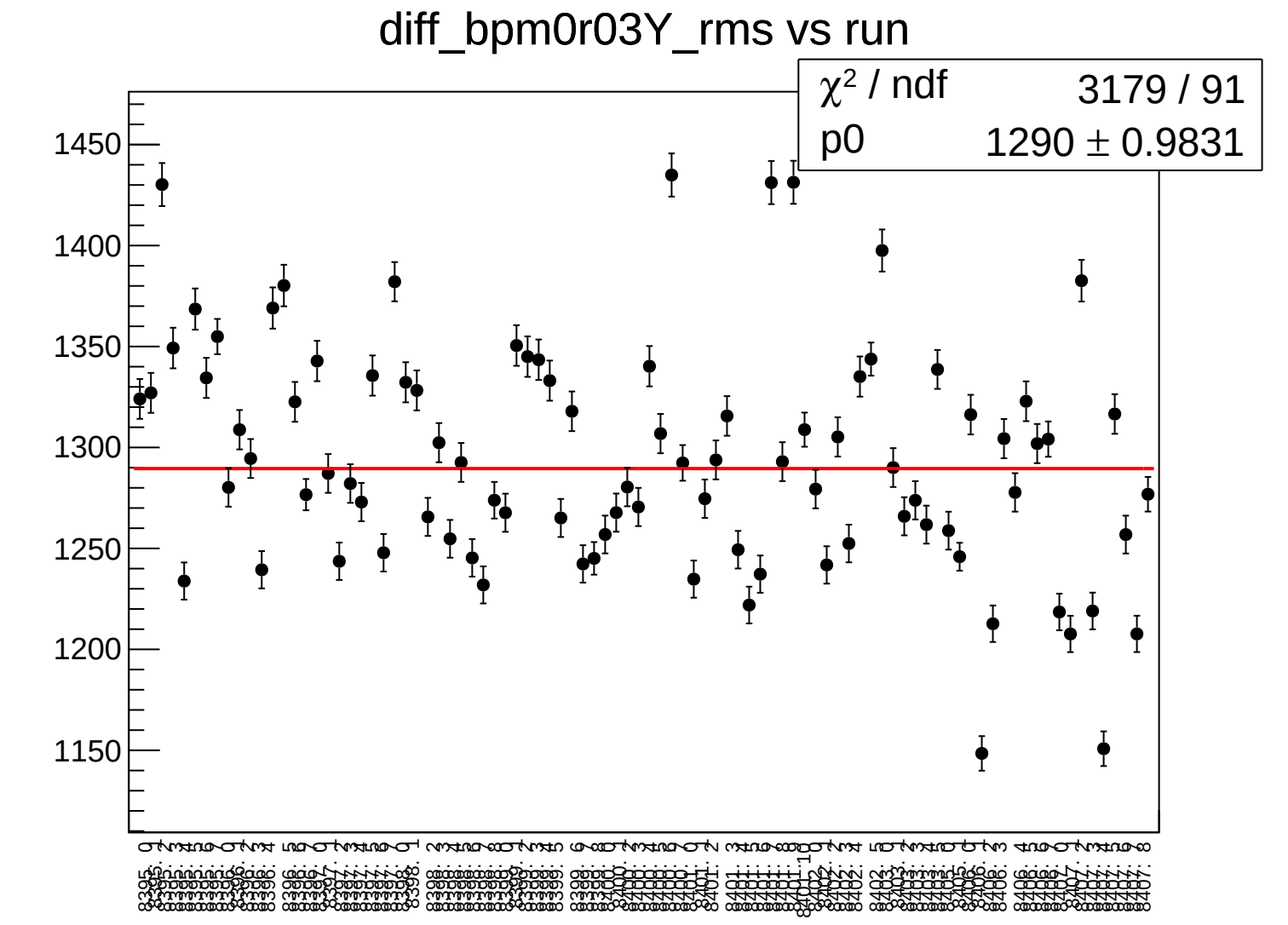

diff_bpm0r03X_mean vs run
χ² / ndf 81.51 / 91
p0 48.61 ± 61.33
pull
Entries 92
Mean 439.3
Std Dev 0

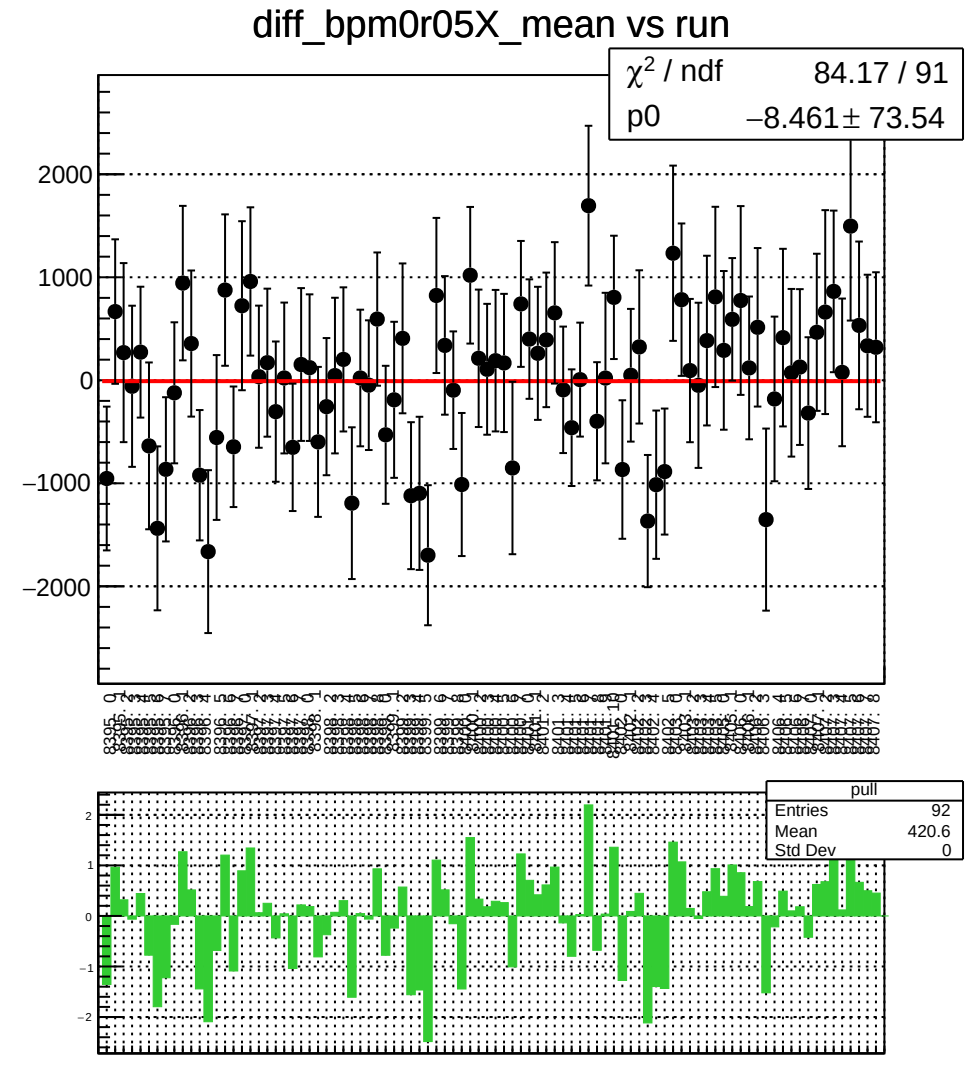

pull1D
Entries 92
Mean −0.01691
Std Dev 0.9411

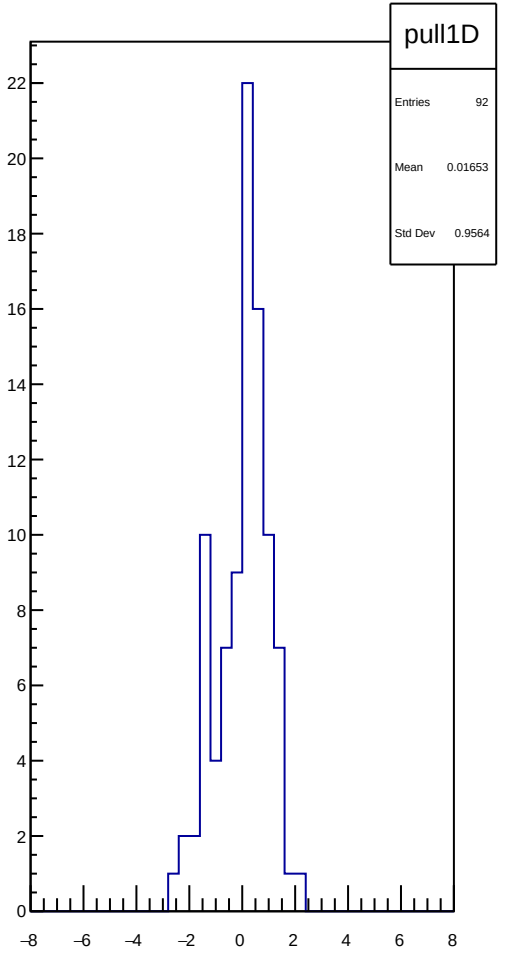

diff_bpm0r03X_rms vs run
χ² / ndf 2.058e+04 / 91
p0 5.659e+04 ± 43.36
80000
75000
70000
65000
60000
55000
50000
45000
40000

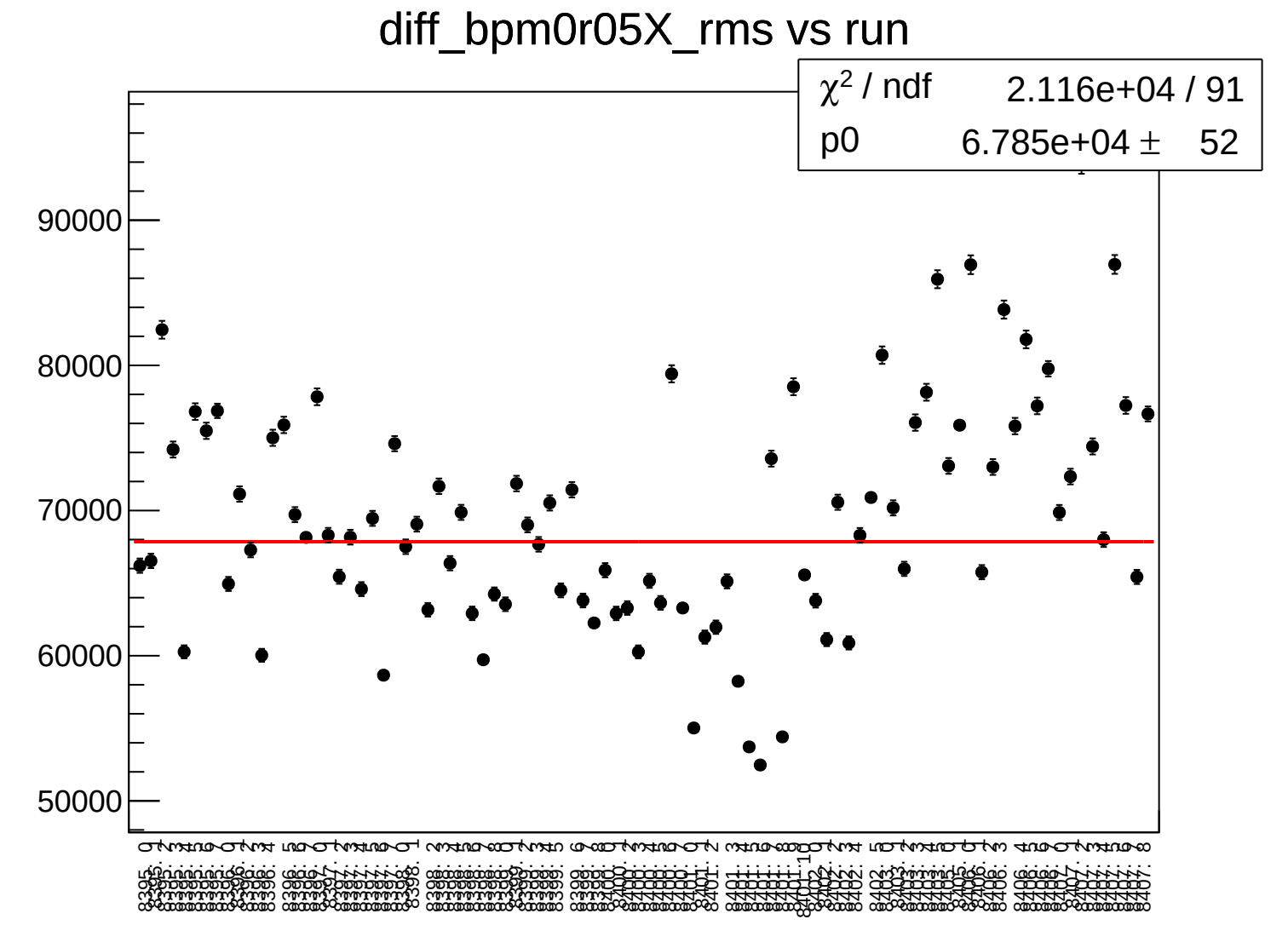

diff_bpm0r03Y_mean vs run
χ² / ndf 182.6 / 91
p0 −19.27 ± 1.39
pull
Entries 92
Mean −849.4
Std Dev 0

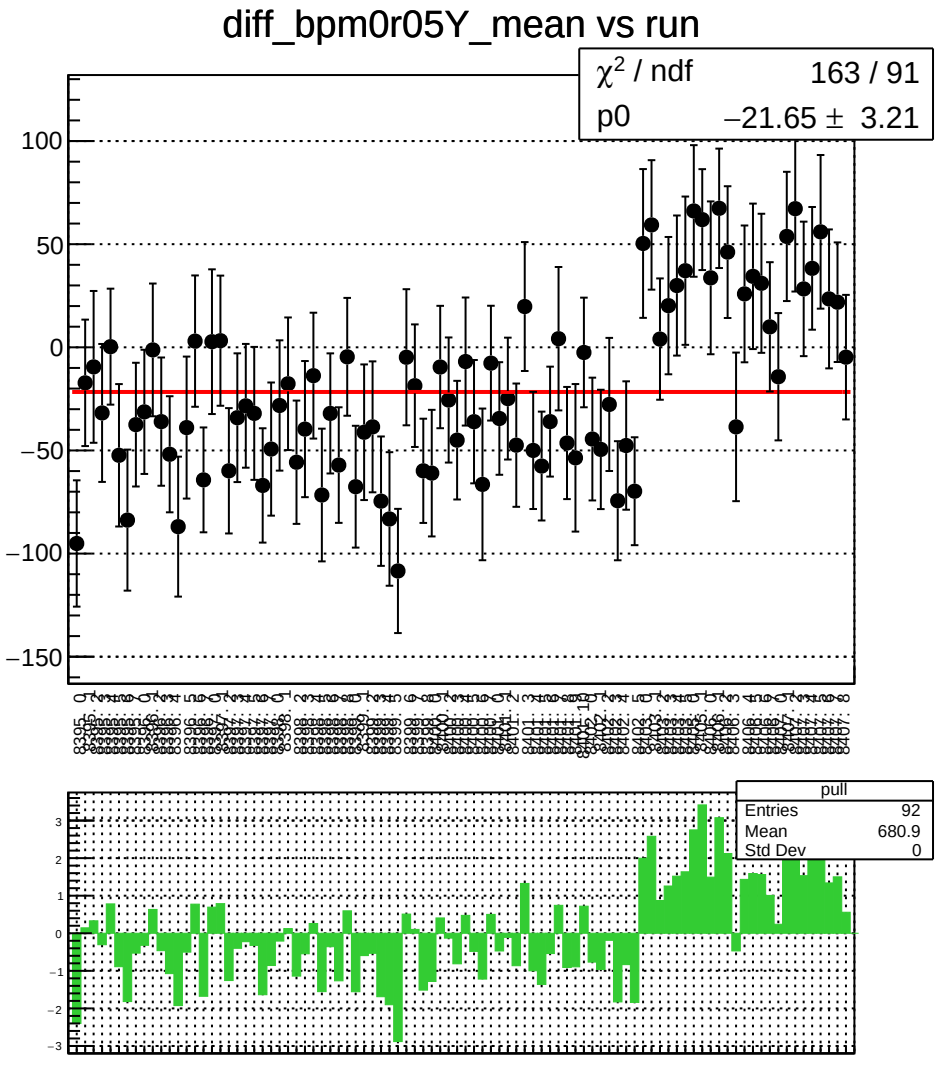

pull1D
Entries 92
Mean −0.01773
Std Dev 1.409

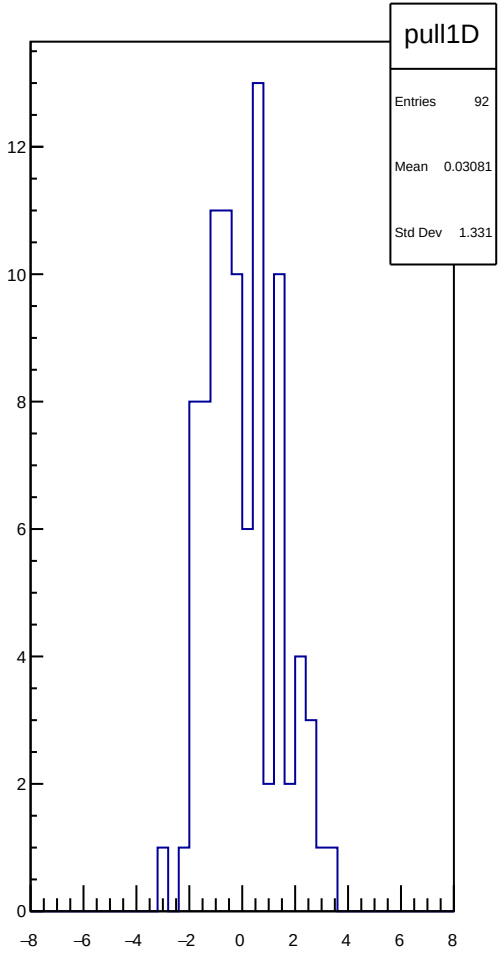

diff_bpm0r03Y_rms vs run
χ² / ndf 3179 / 91
p0 1290 ± 0.9831
1450
1400
1350
1300
1250
1200
1150

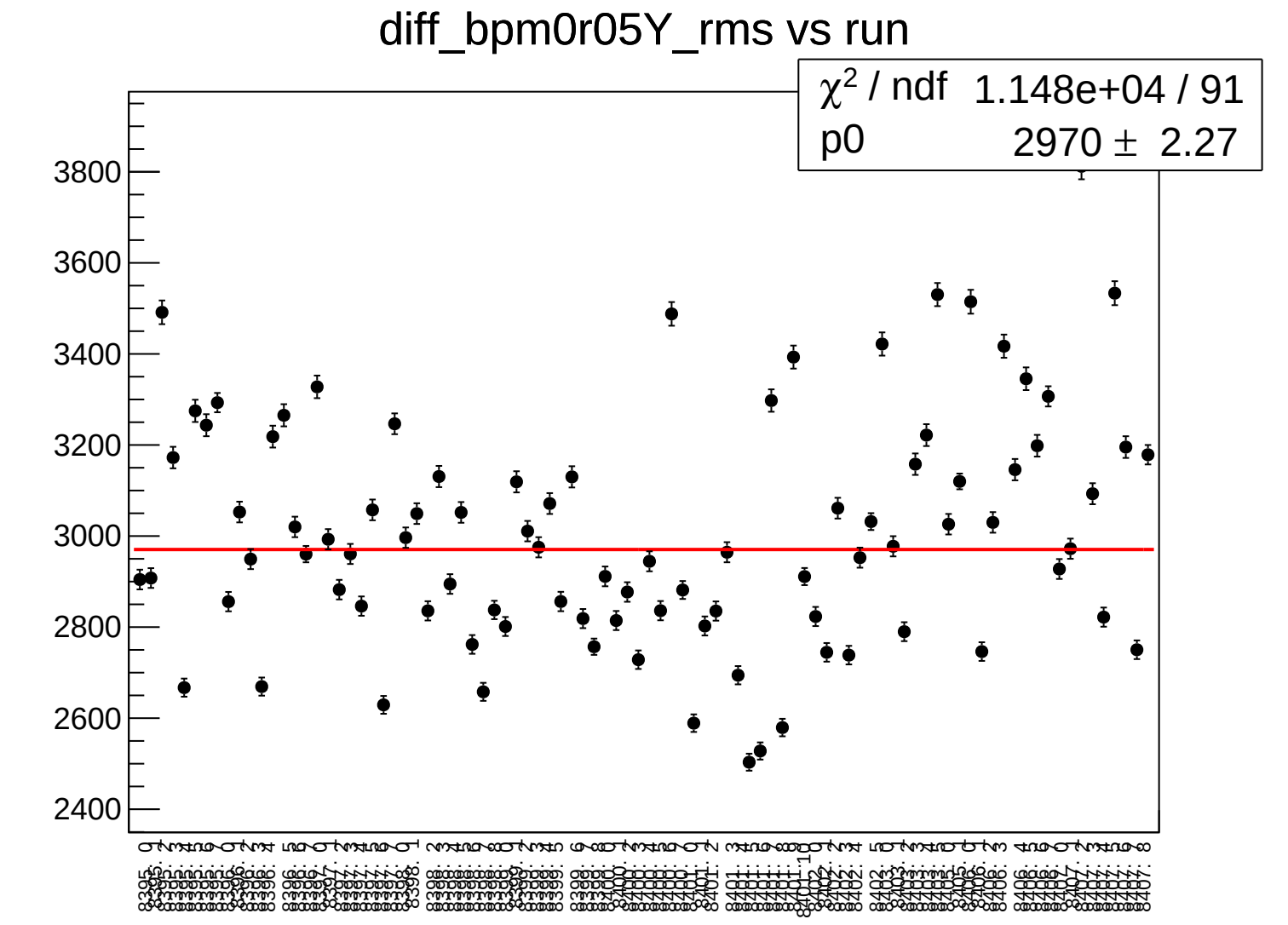

diff_bpm0r05X_mean vs run
χ² / ndf 84.17 / 91
p0 −8.461 ± 73.54
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 420.6
Std Dev 0
2
1
0
−1
−2

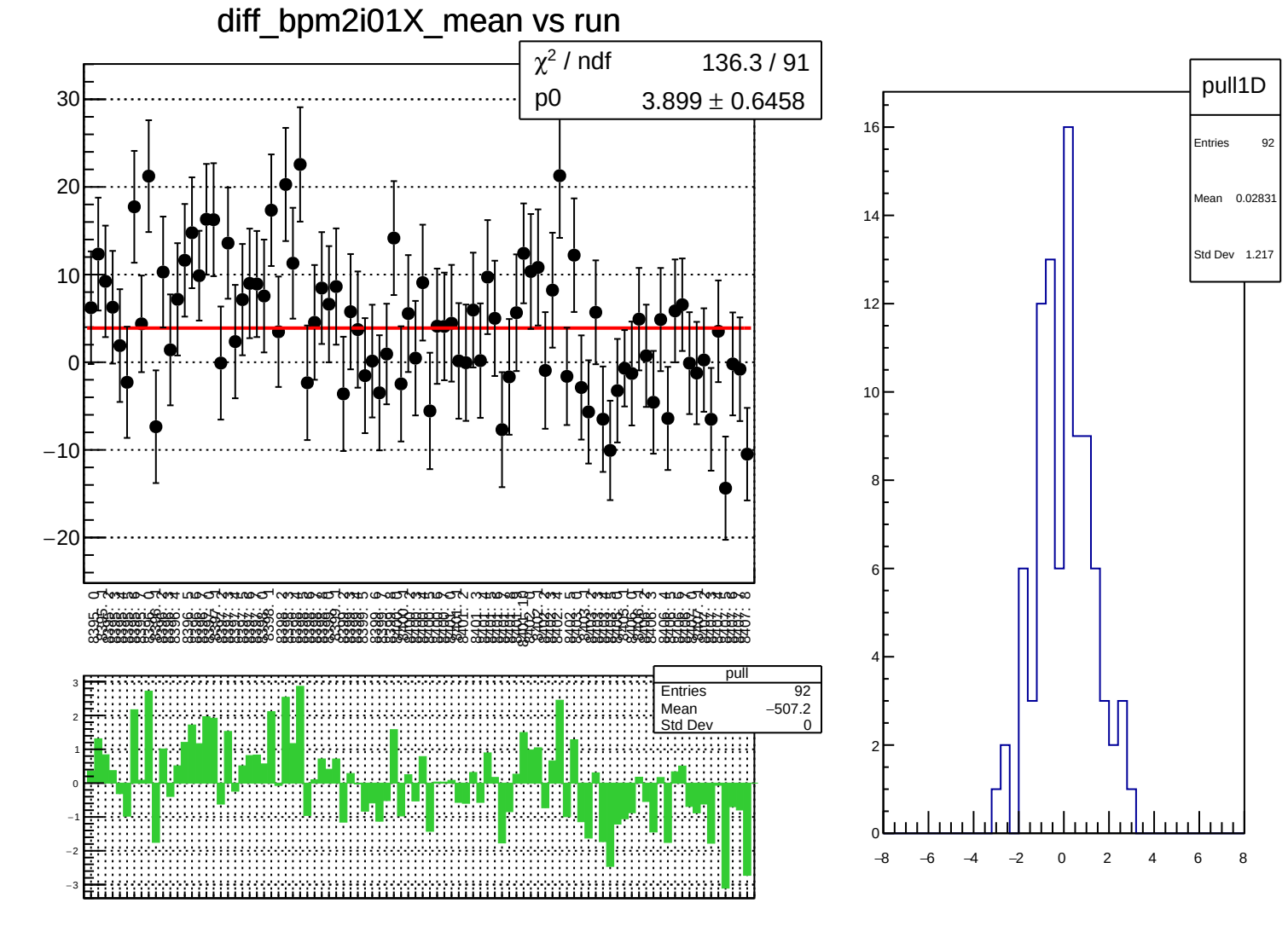

pull1D
Entries 92
Mean 0.01653
Std Dev 0.9564
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

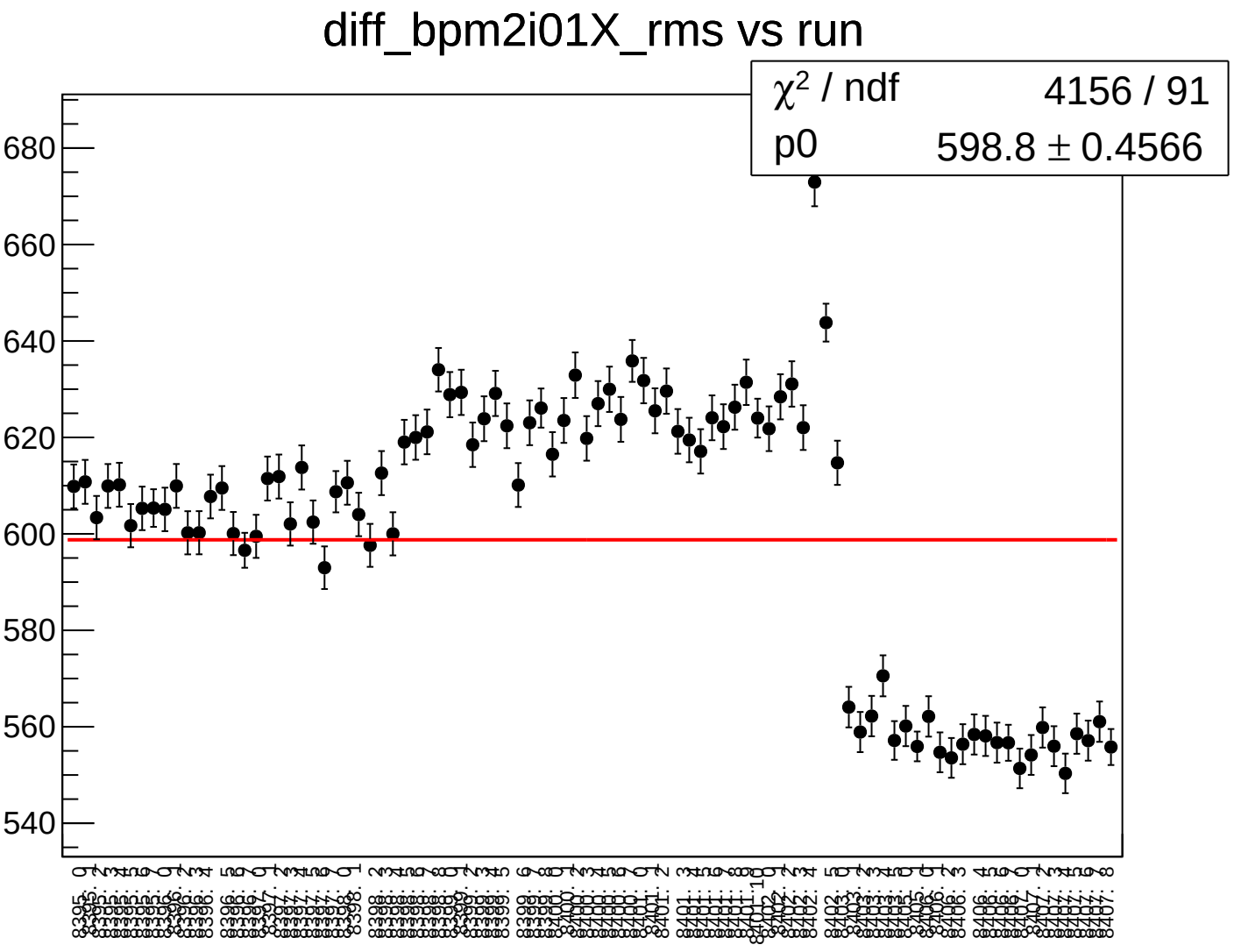

diff_bpm0r05X_rms vs run
$\chi^2$ / ndf 2.116e+04 / 91
p0 6.785e+04 ± 52
90000
80000
70000
60000
50000

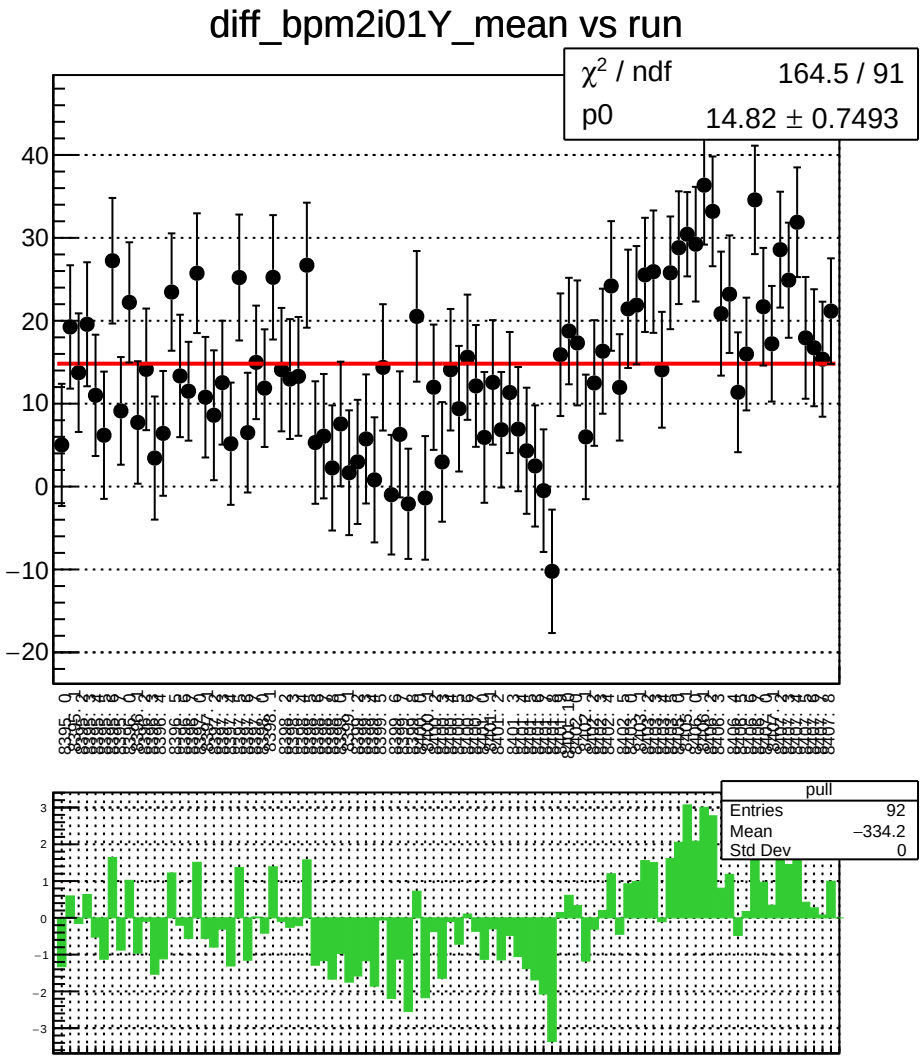

diff_bpm0r05Y_mean vs run
χ² / ndf 163 / 91
p0 −21.65 ± 3.21
100
50
0
−50
−100
−150
pull
Entries 92
Mean 680.9
Std Dev 0
3
2
1
0
−1
−2
−3

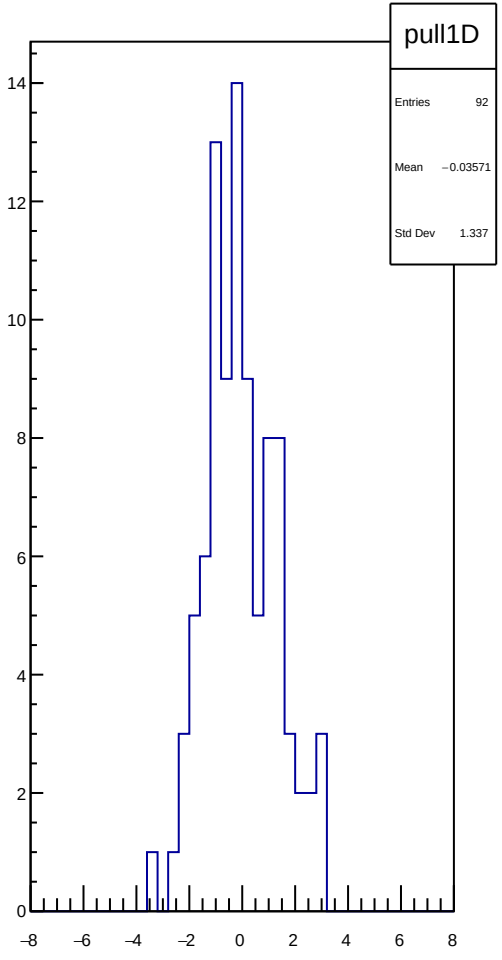

pull1D
Entries 92
Mean 0.03081
Std Dev 1.331
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

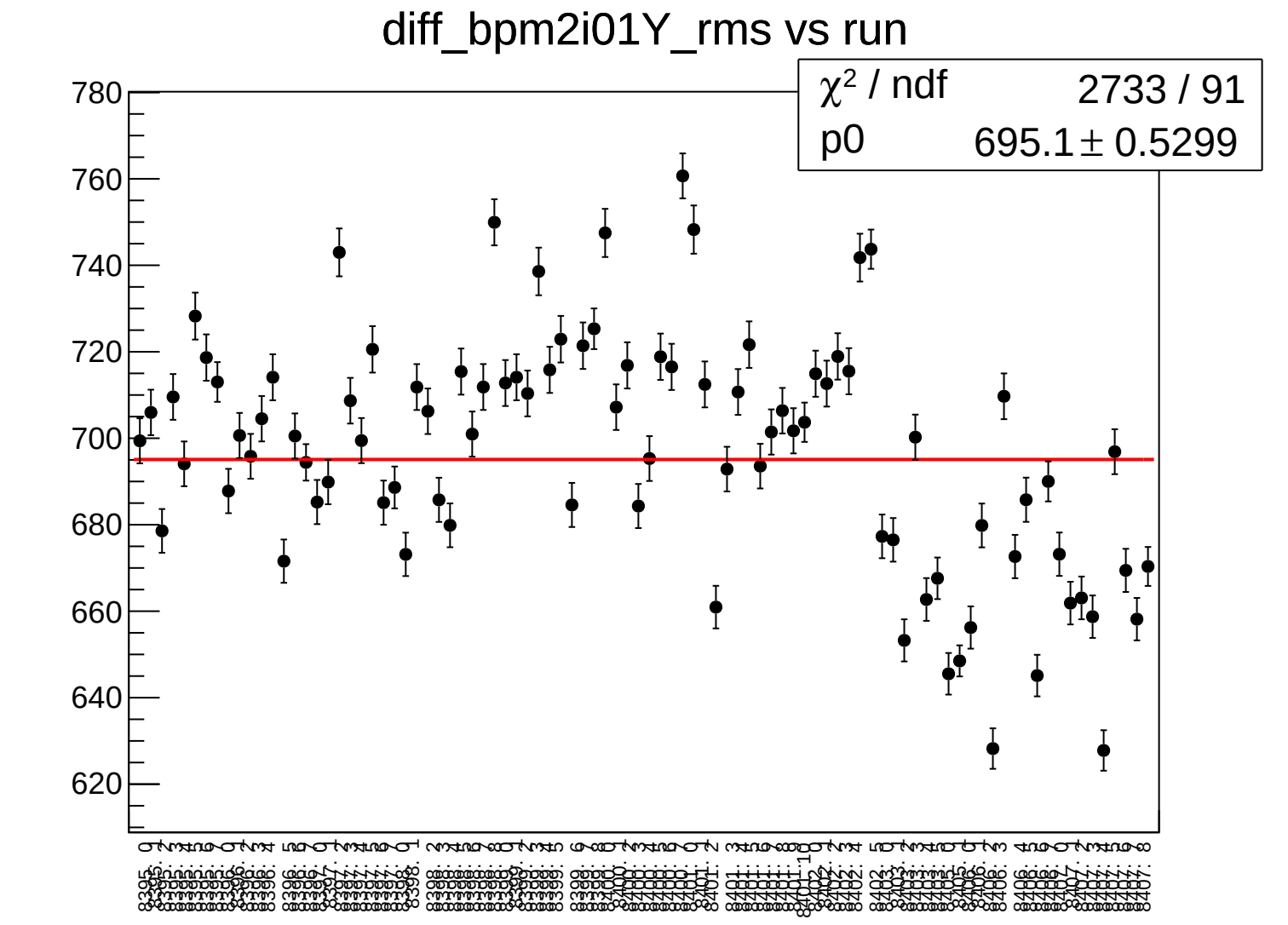

diff_bpm0r05Y_rms vs run
χ² / ndf 1.148e+04 / 91
p0 2970 ± 2.27
3800
3600
3400
3200
3000
2800
2600
2400

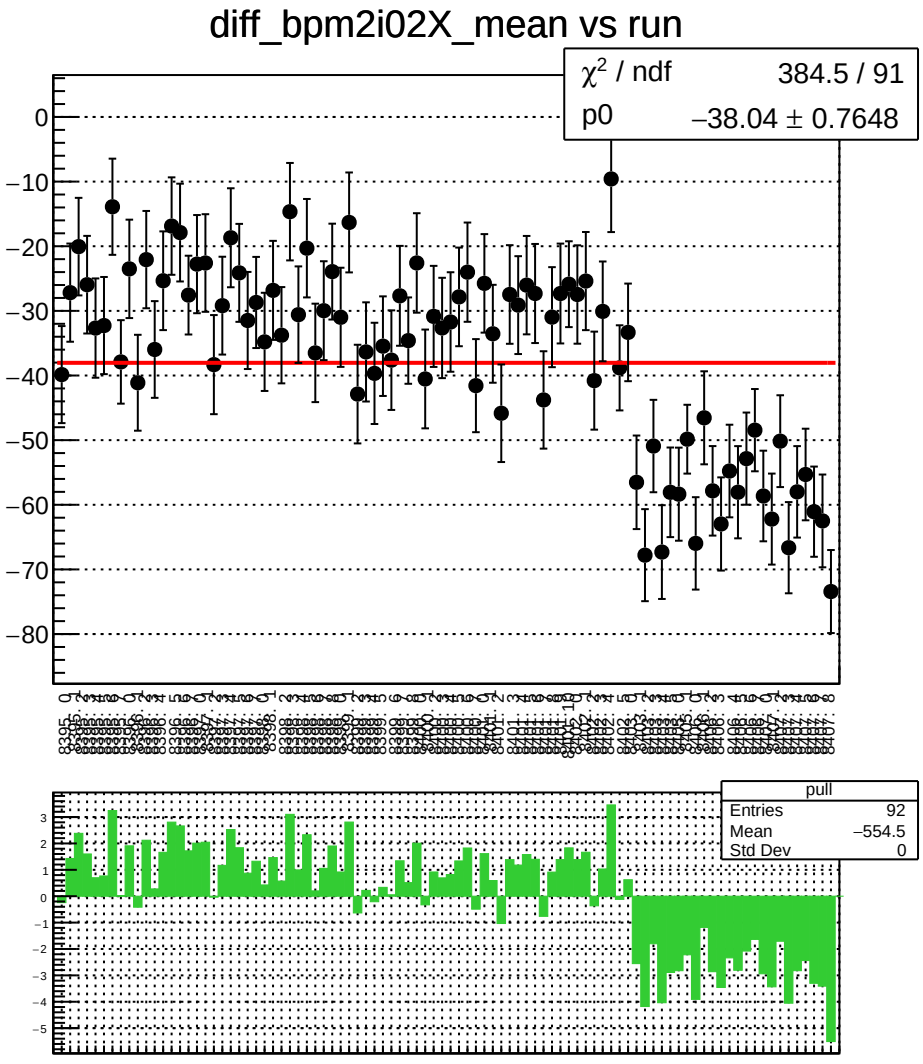

diff_bpm2i01X_mean vs run
χ² / ndf 136.3 / 91
p0 3.899 ± 0.6458
pull
Entries 92
Mean −507.2
Std Dev 0
pull1D
Entries 92
Mean 0.02831
Std Dev 1.217

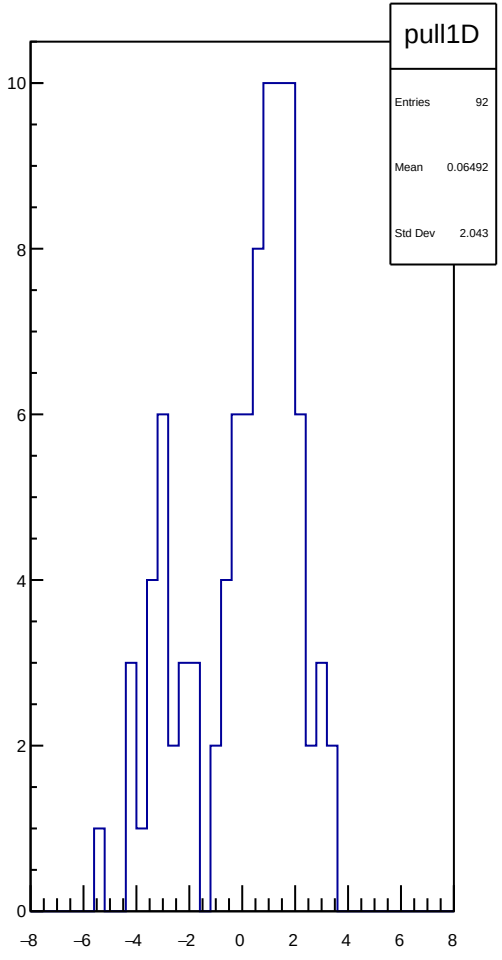

diff_bpm2i01X_rms vs run
χ² / ndf 4156 / 91
p0 598.8 ± 0.4566
680
660
640
620
600
580
560
540

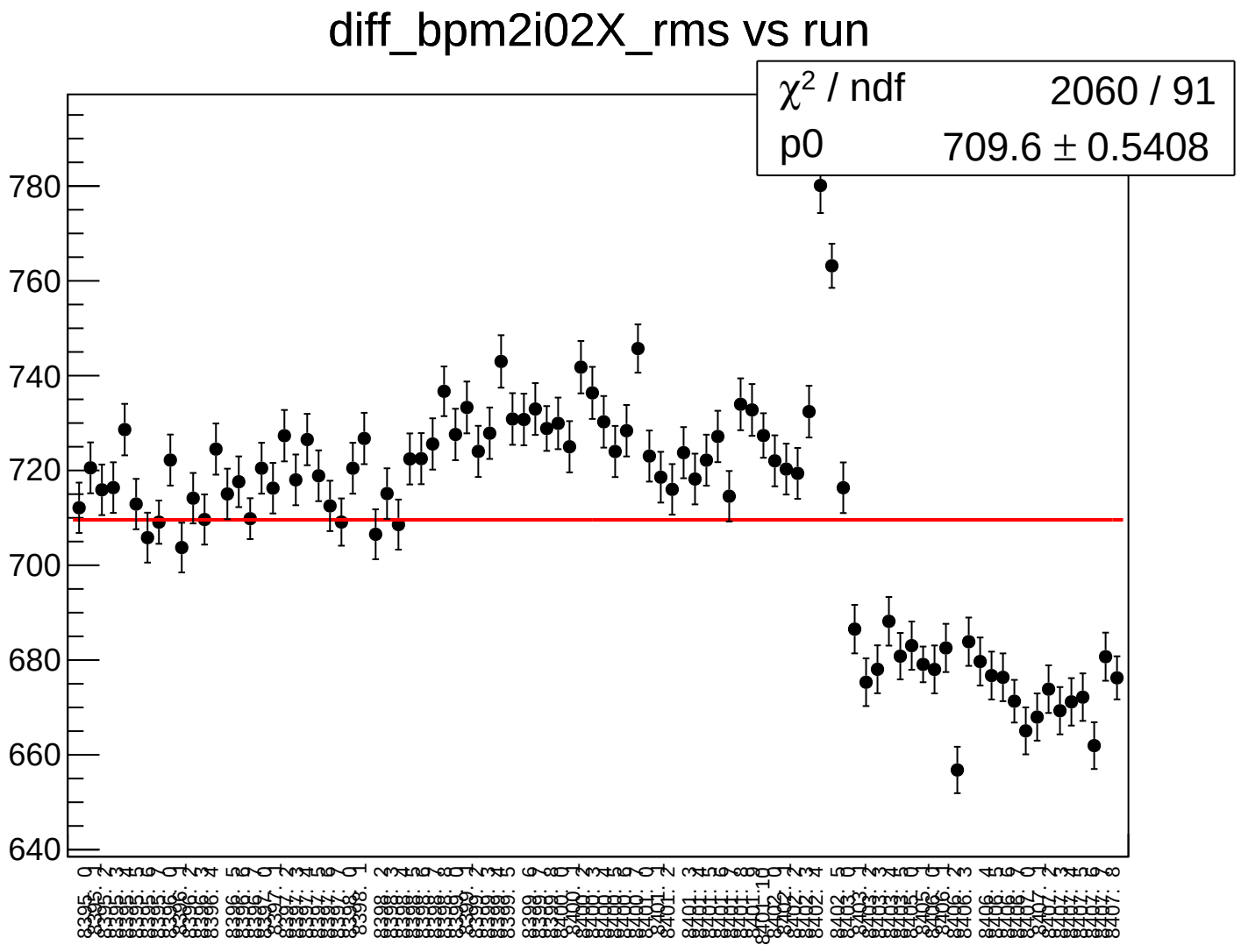

diff_bpm2i01Y_mean vs run
χ² / ndf 164.5 / 91
p0 14.82 ± 0.7493
pull
Entries 92
Mean −334.2
Std Dev 0

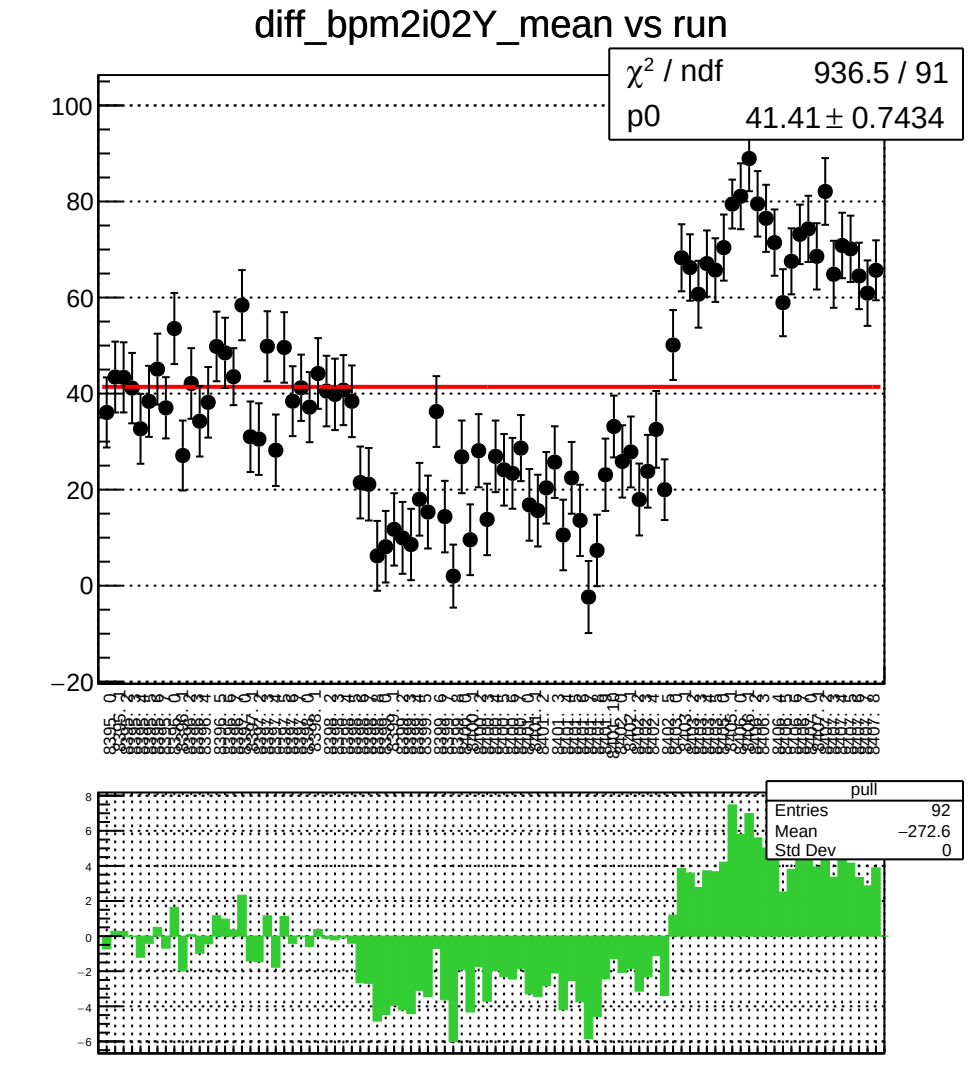

pull1D
Entries 92
Mean −0.03571
Std Dev 1.337

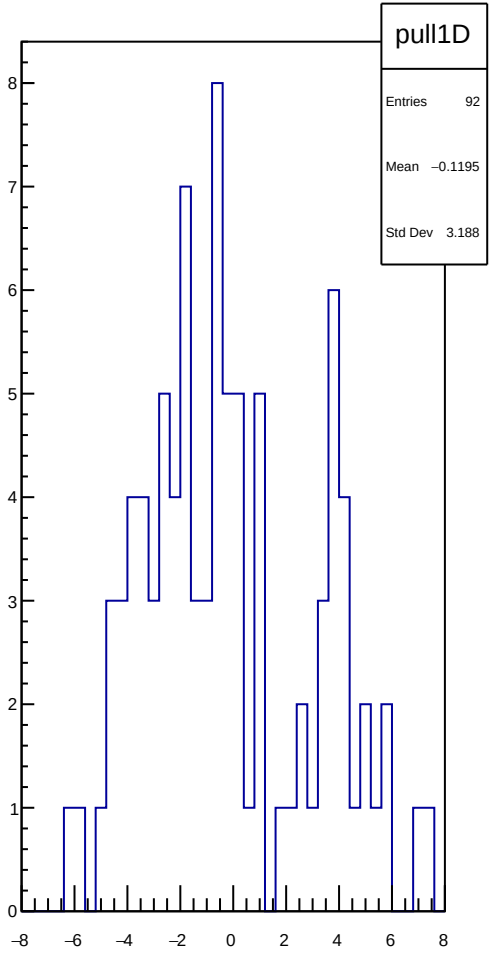

diff_bpm2i01Y_rms vs run
χ² / ndf 2733 / 91
p0 695.1 ± 0.5299
780
760
740
720
700
680
660
640
620

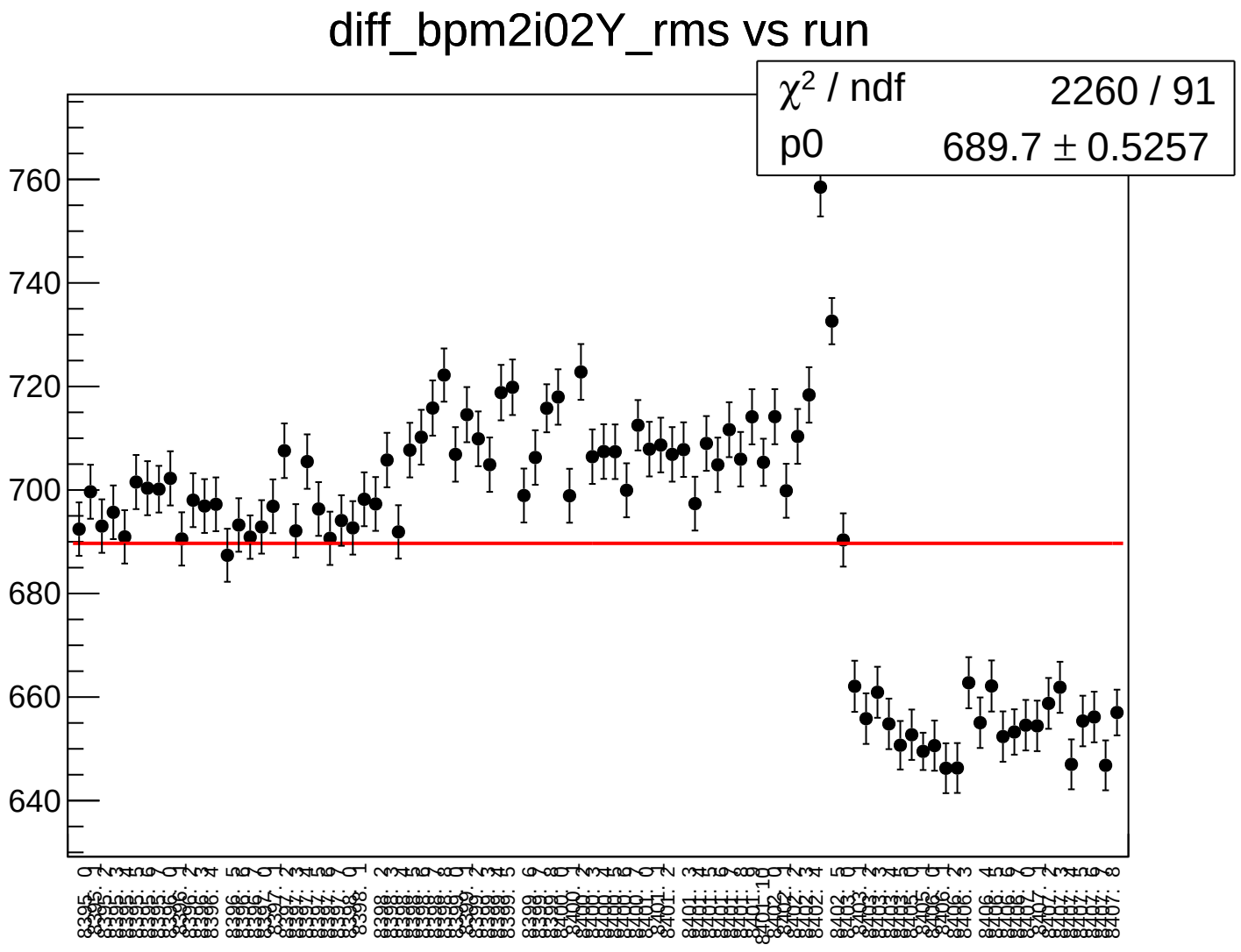

diff_bpm2i02X_mean vs run
χ² / ndf 384.5 / 91
p0 −38.04 ± 0.7648
pull
Entries 92
Mean −554.5
Std Dev 0

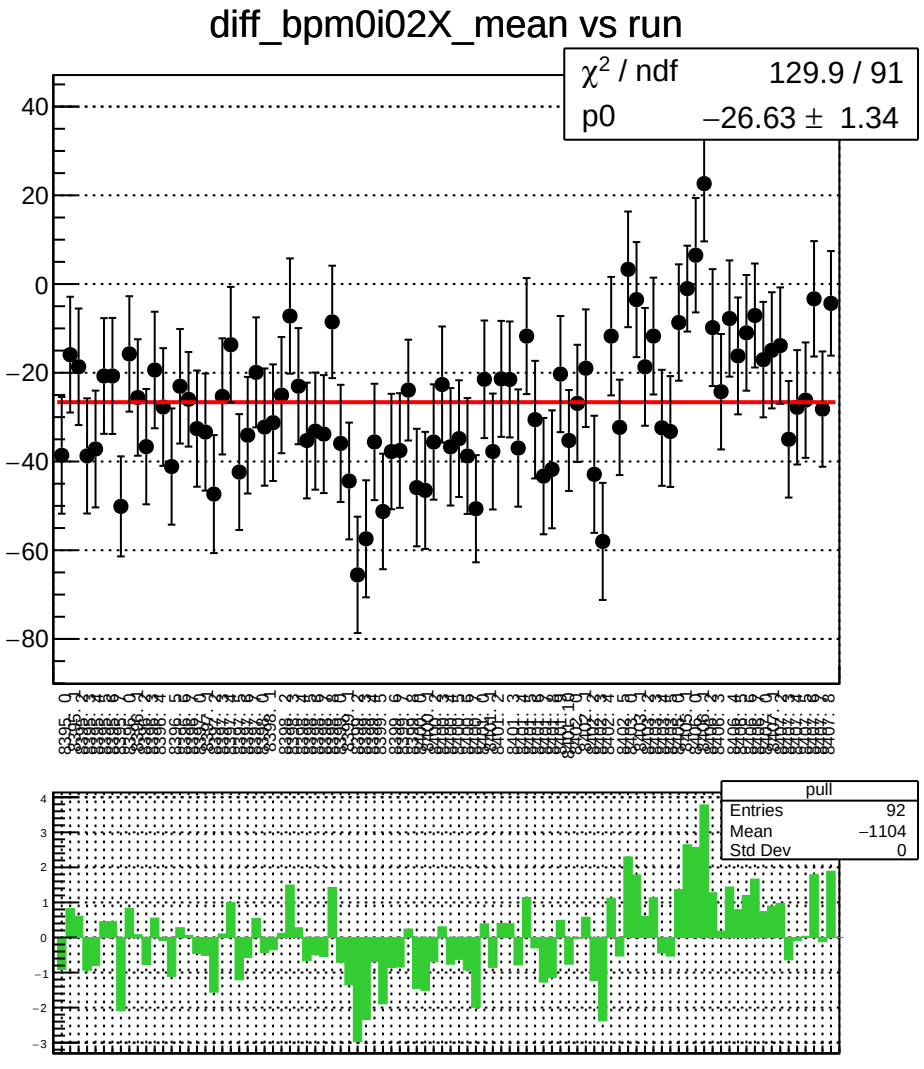

pull1D
Entries 92
Mean 0.06492
Std Dev 2.043

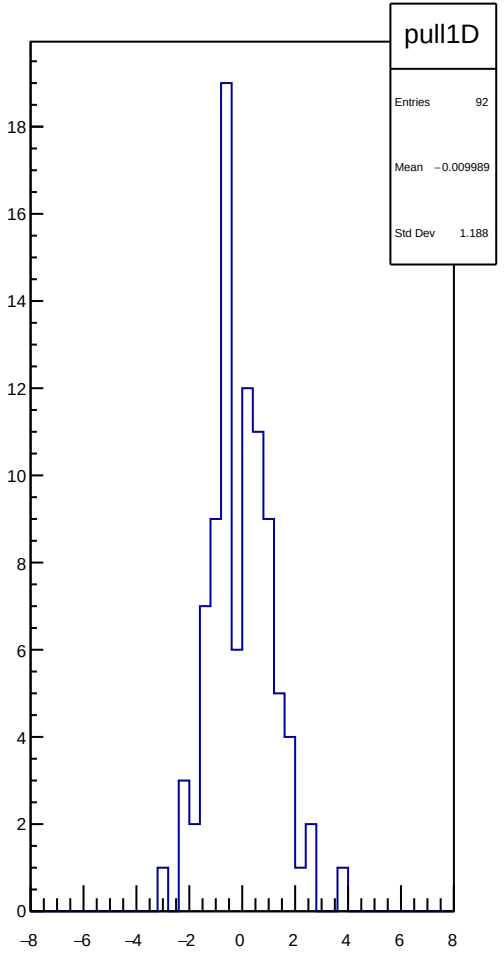

diff_bpm2i02X_rms vs run
χ² / ndf 2060 / 91
p0 709.6 ± 0.5408
780
760
740
720
700
680
660
640

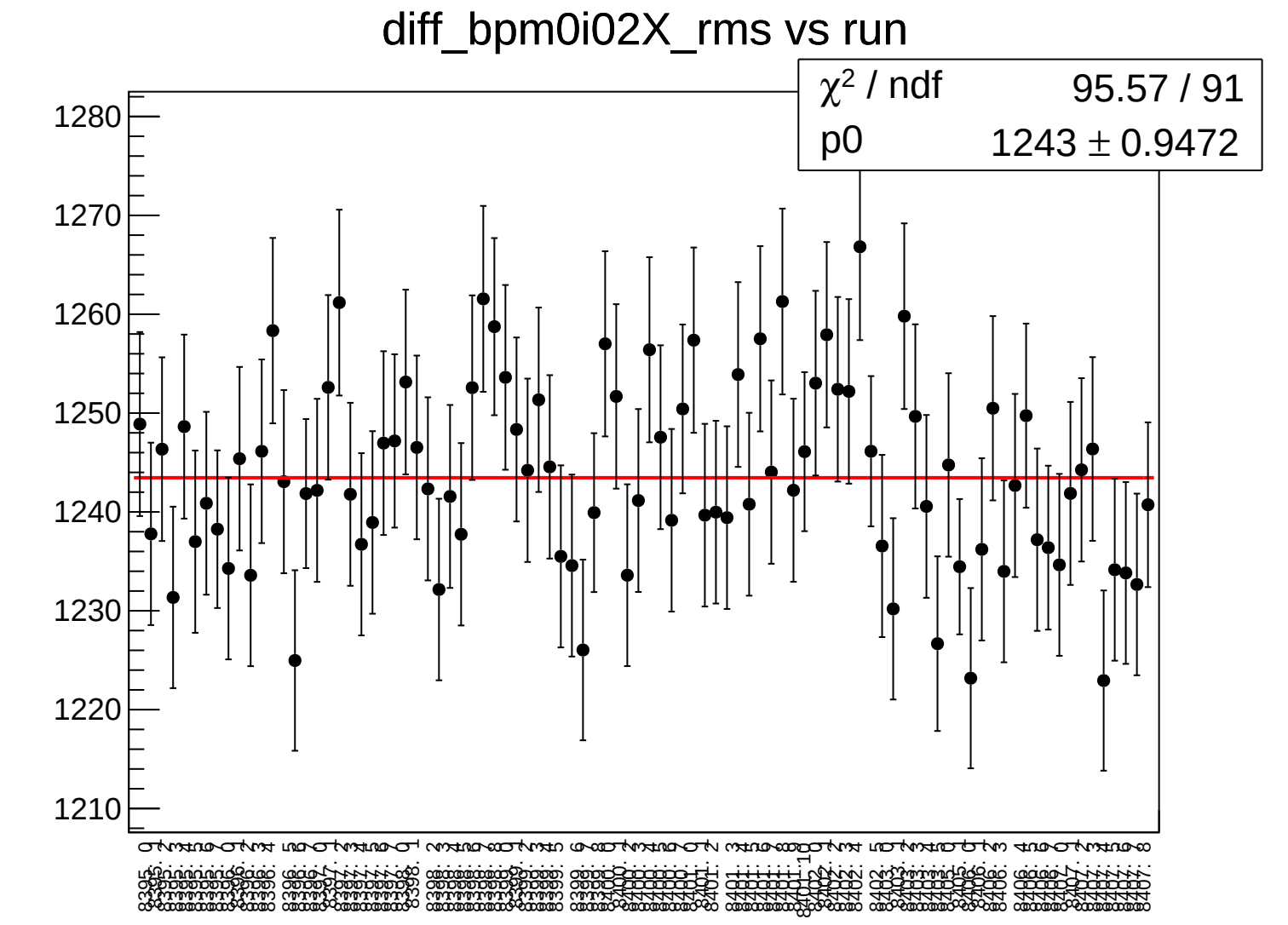

diff_bpm2i02Y_mean vs run
χ² / ndf 936.5 / 91
p0 41.41 ± 0.7434
pull
Entries 92
Mean −272.6
Std Dev 0

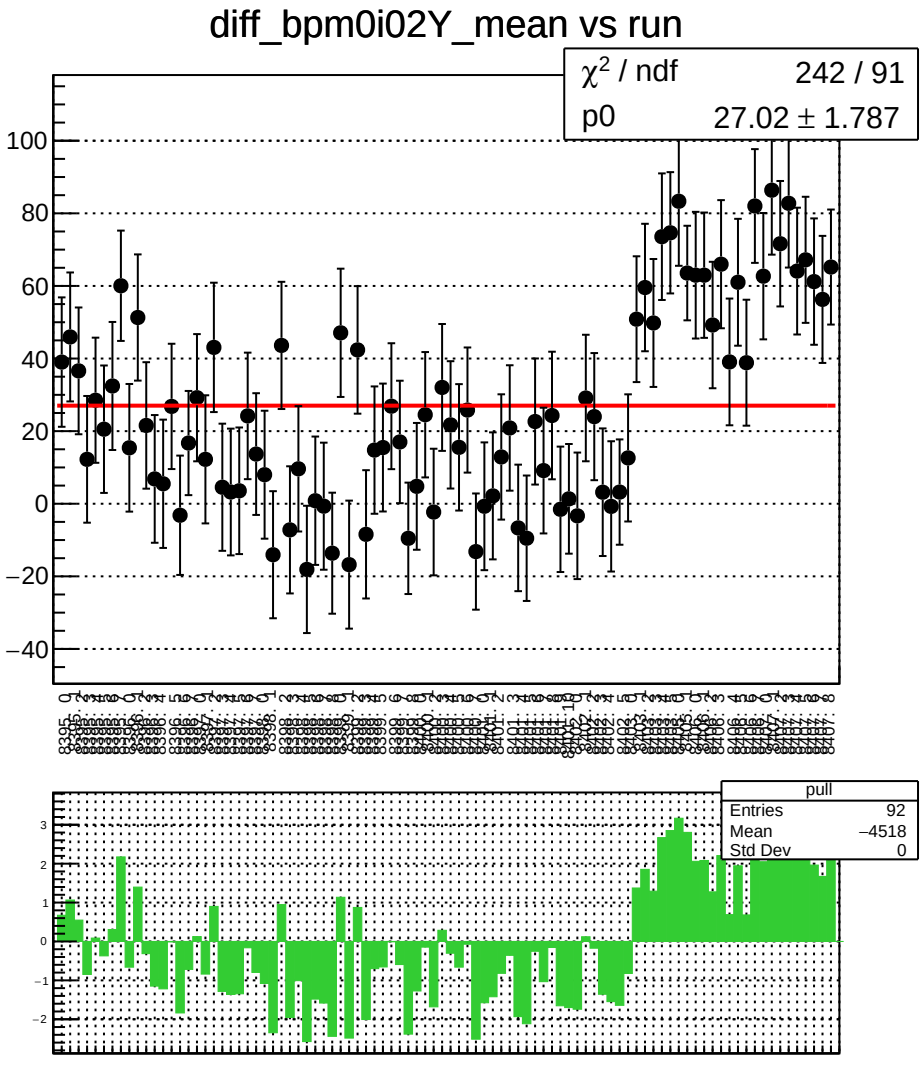

pull1D
Entries 92
Mean −0.1195
Std Dev 3.188

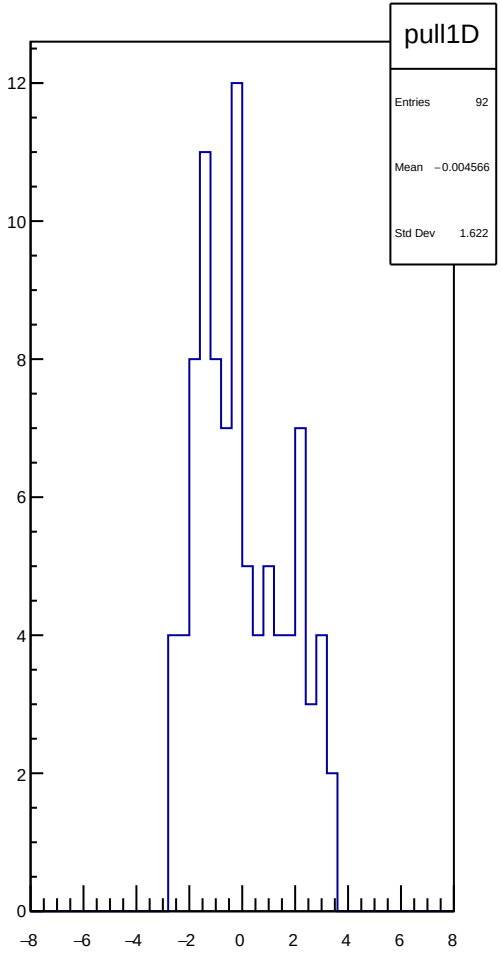

diff_bpm2i02Y_rms vs run
χ² / ndf 2260 / 91
p0 689.7 ± 0.5257
760
740
720
700
680
660
640

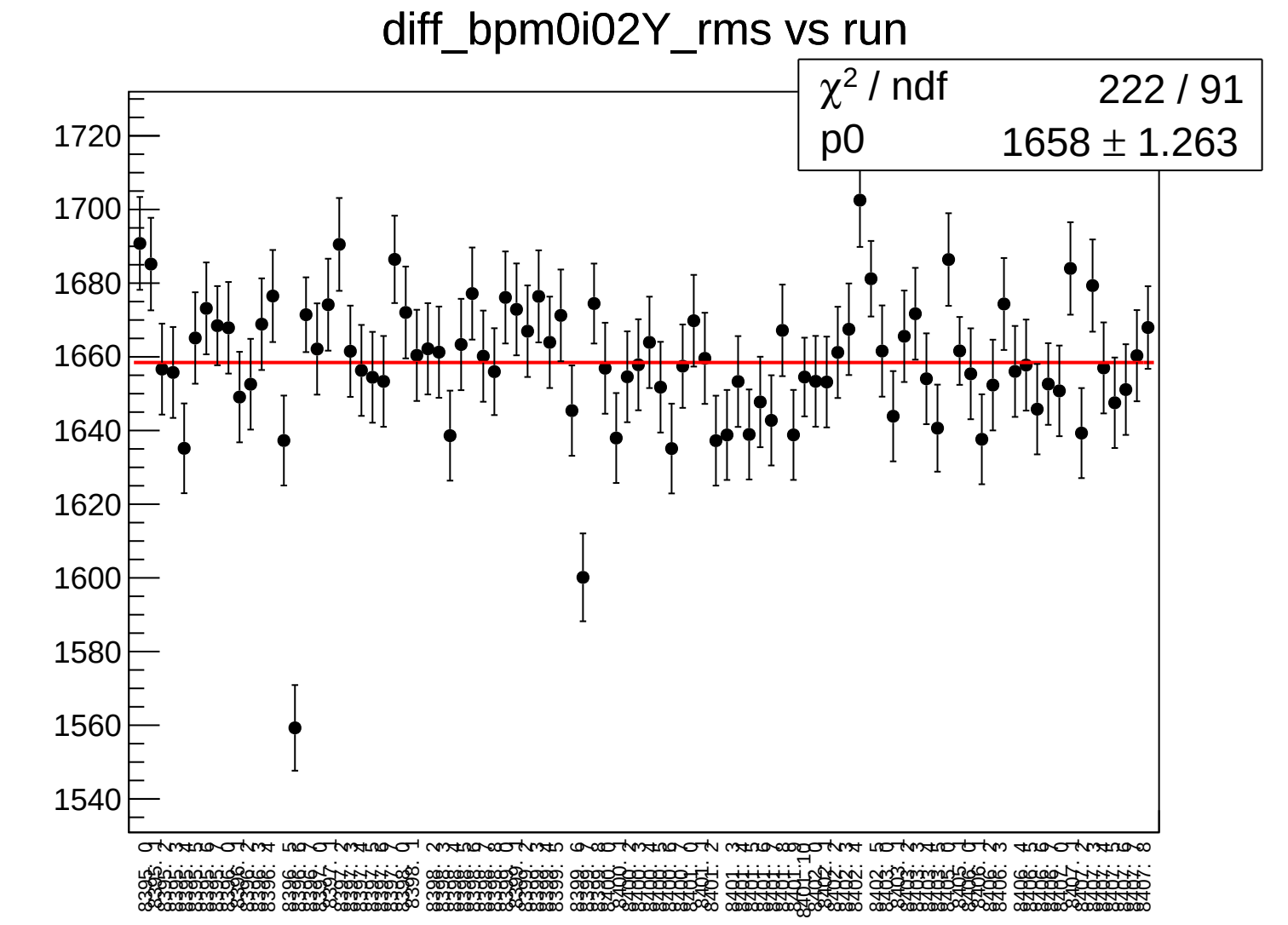

diff_bpm0i02X_mean vs run
χ² / ndf 129.9 / 91
p0 −26.63 ± 1.34
pull
Entries 92
Mean −1104
Std Dev 0

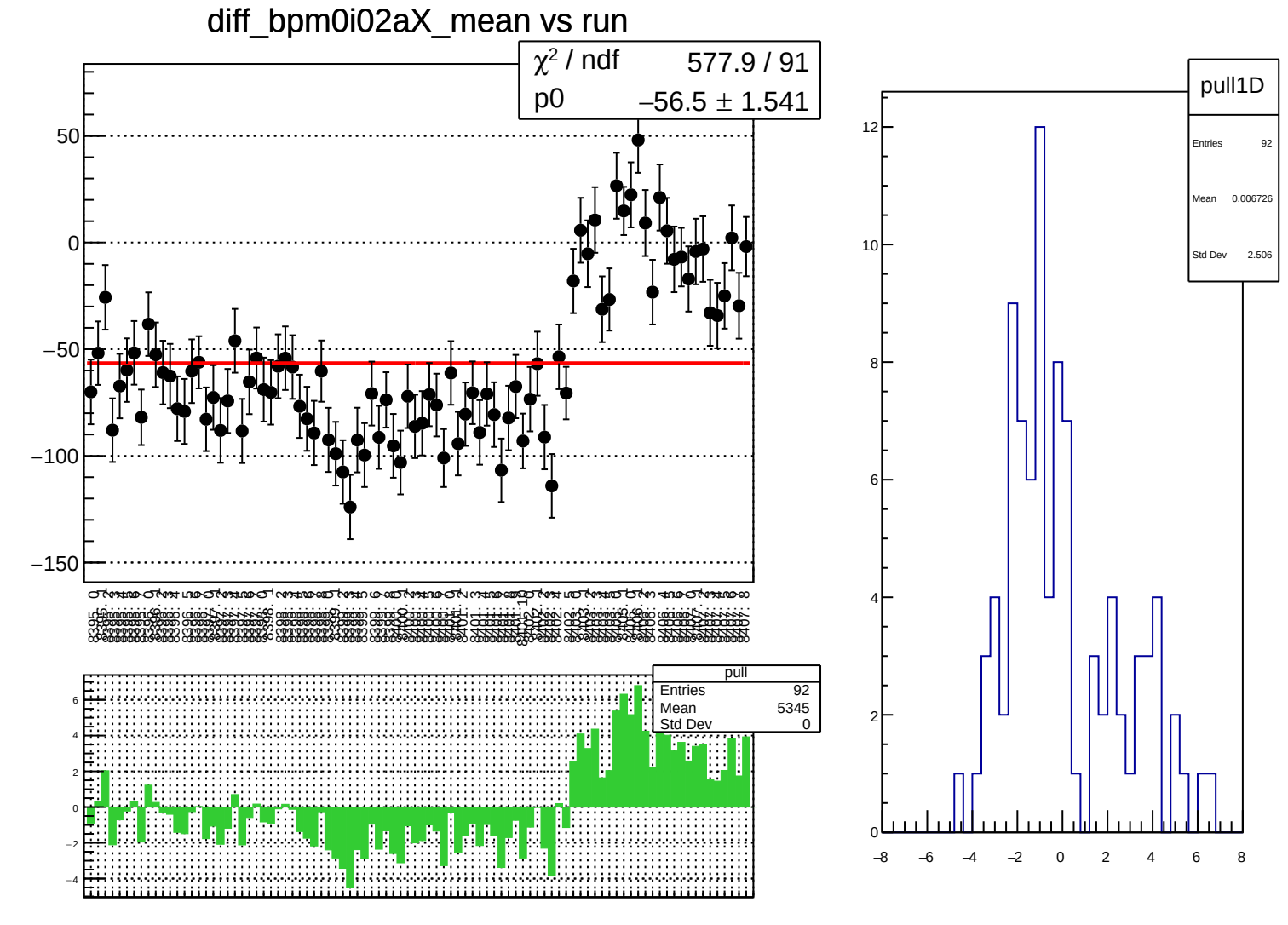

pull1D
Entries 92
Mean −0.009989
Std Dev 1.188

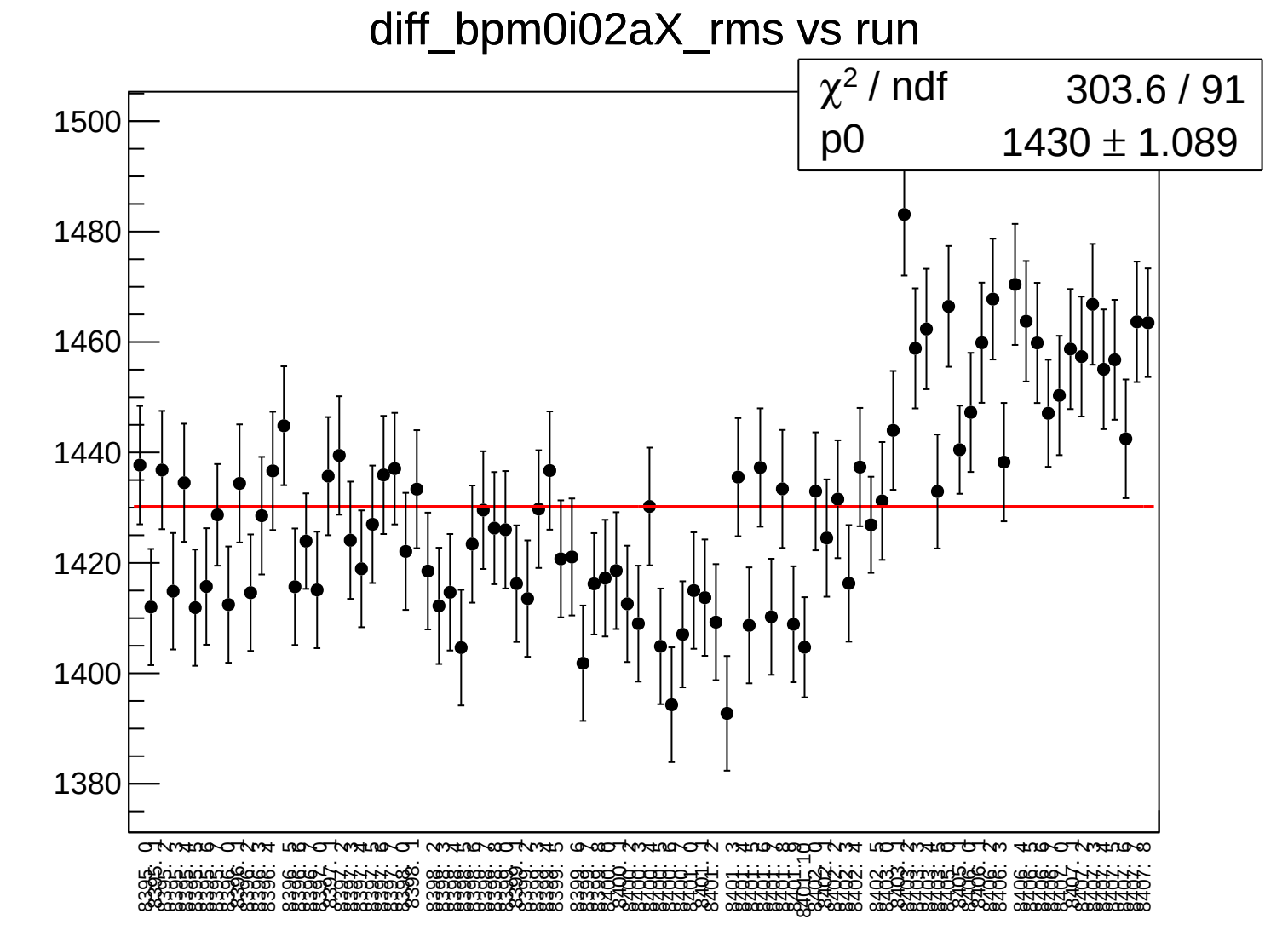

diff_bpm0i02X_rms vs run
χ² / ndf 95.57 / 91
p0 1243 ± 0.9472
1280
1270
1260
1250
1240
1230
1220
1210

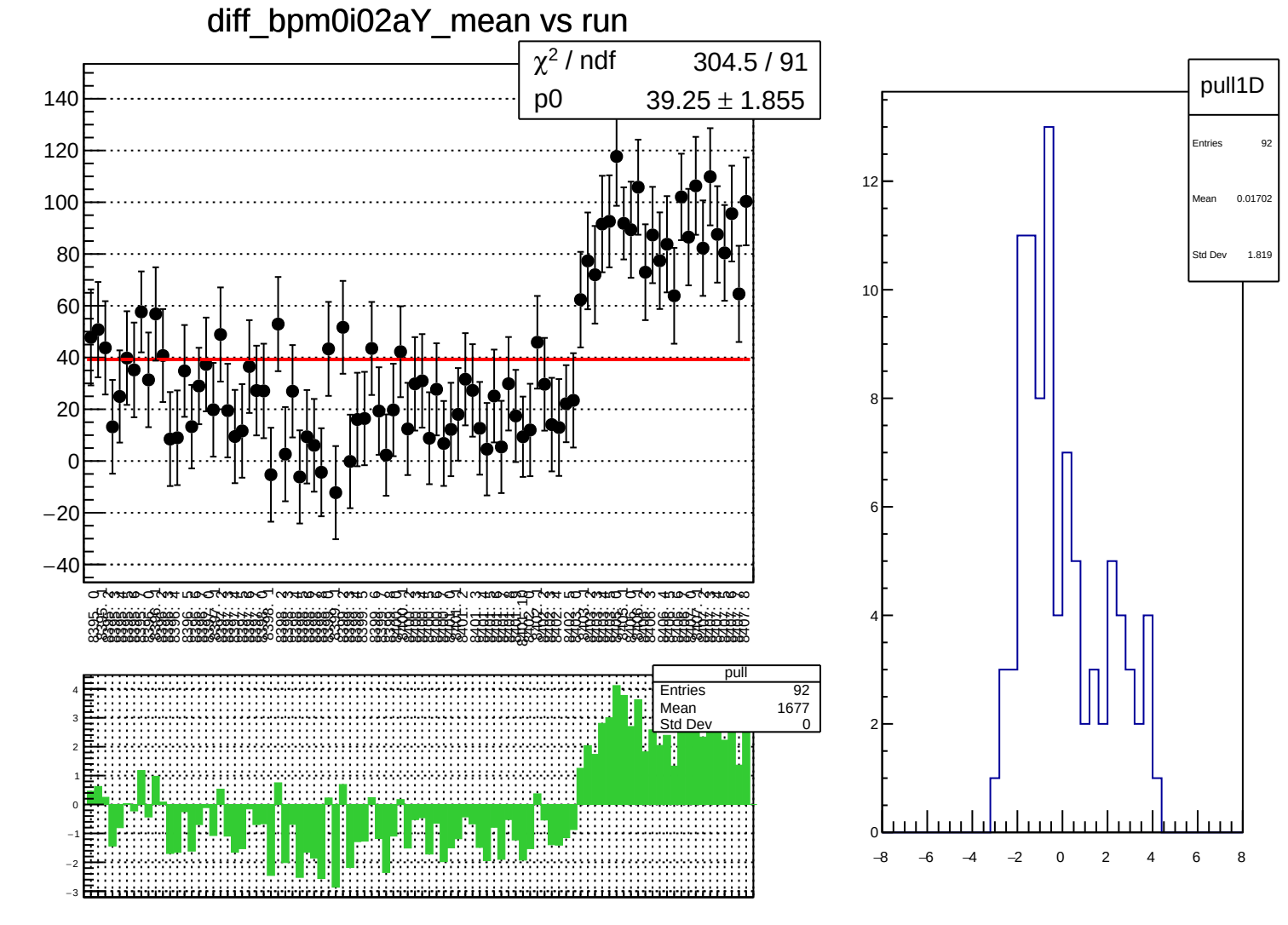

diff_bpm0i02Y_mean vs run
χ² / ndf 242 / 91
p0 27.02 ± 1.787
pull
Entries 92
Mean −4518
Std Dev 0

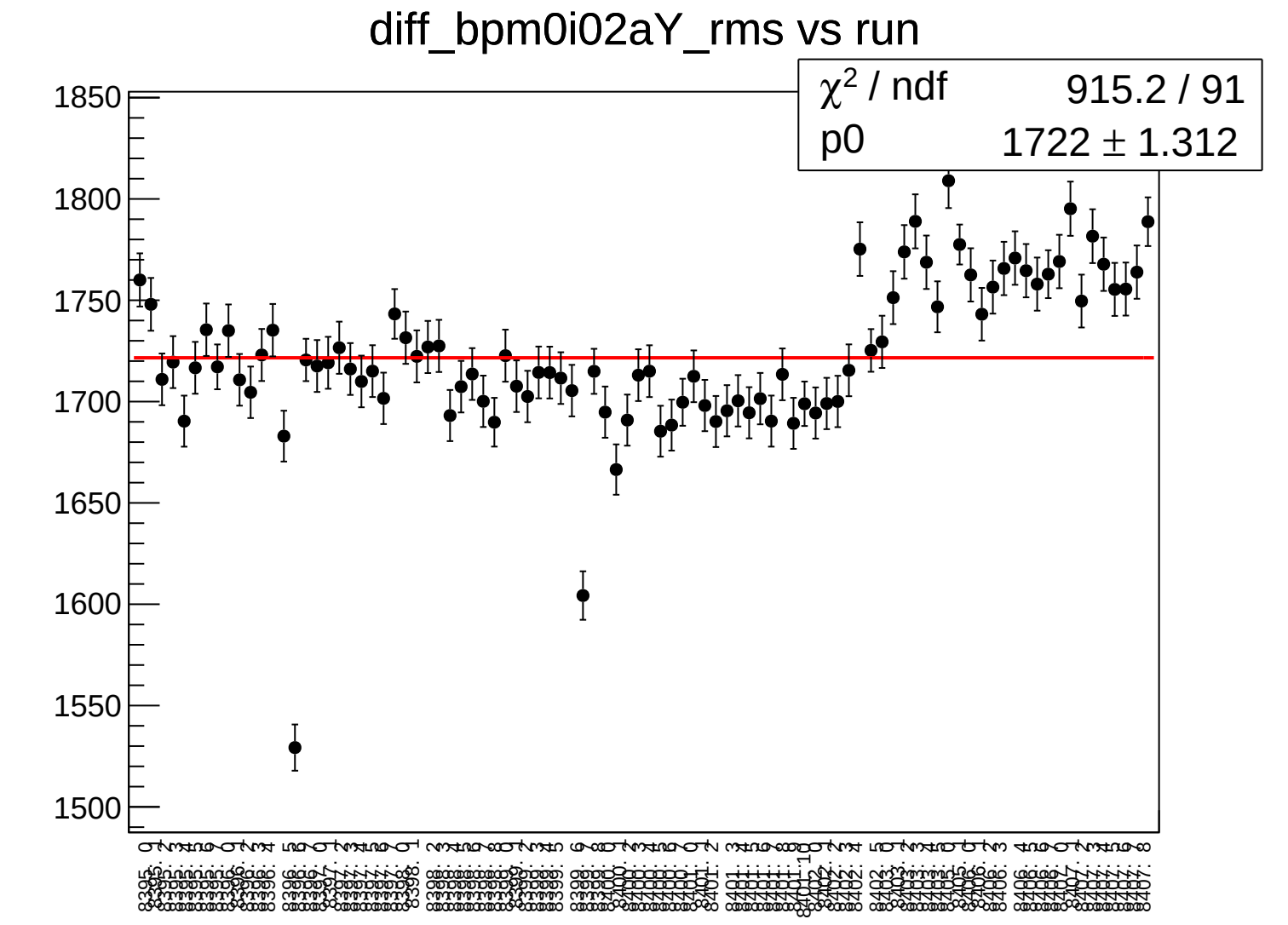

pull1D
Entries 92
Mean −0.004566
Std Dev 1.622

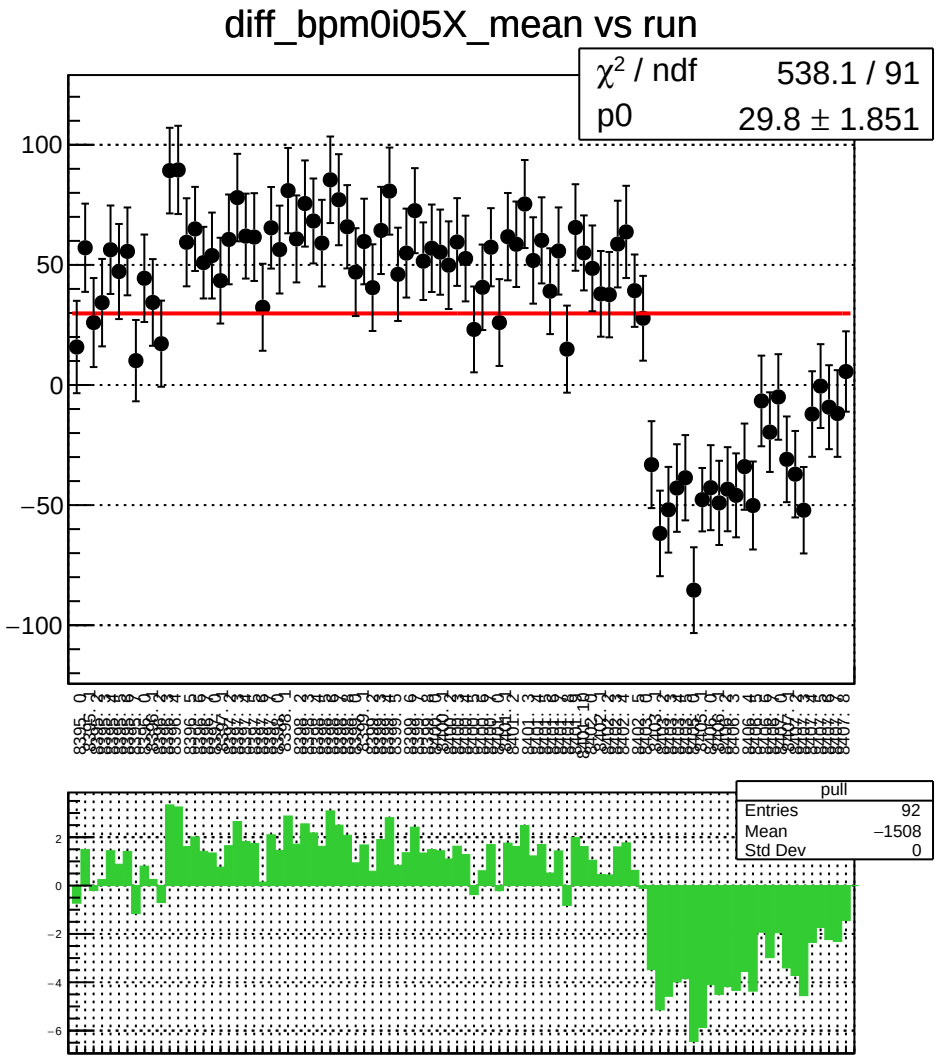

diff_bpm0i02Y_rms vs run
χ² / ndf 222 / 91
p0 1658 ± 1.263
1720
1700
1680
1660
1640
1620
1600
1580
1560
1540

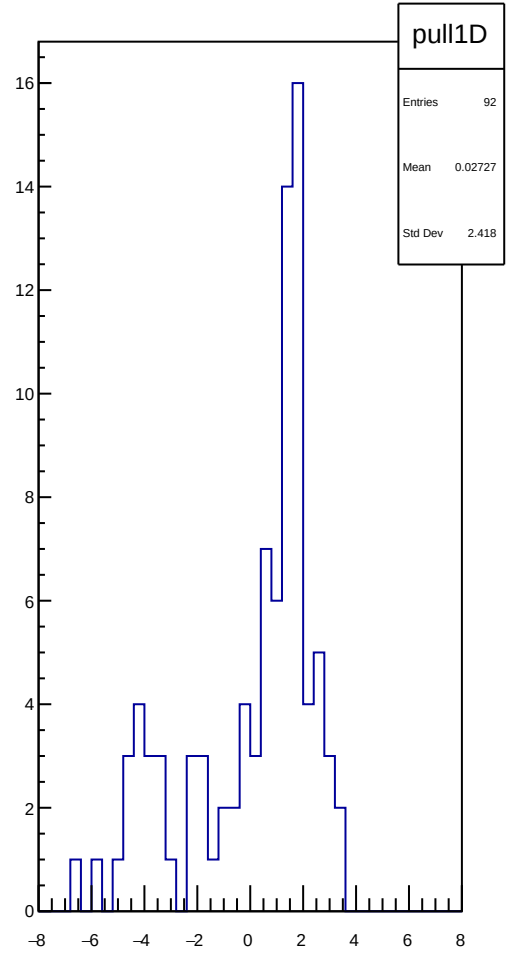

diff_bpm0i02aX_mean vs run
χ² / ndf 577.9 / 91
p0 −56.5 ± 1.541
50
0
−50
−100
−150
pull
Entries 92
Mean 5345
Std Dev 0
6
4
2
0
−2
−4
pull1D
Entries 92
Mean 0.006726
Std Dev 2.506
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

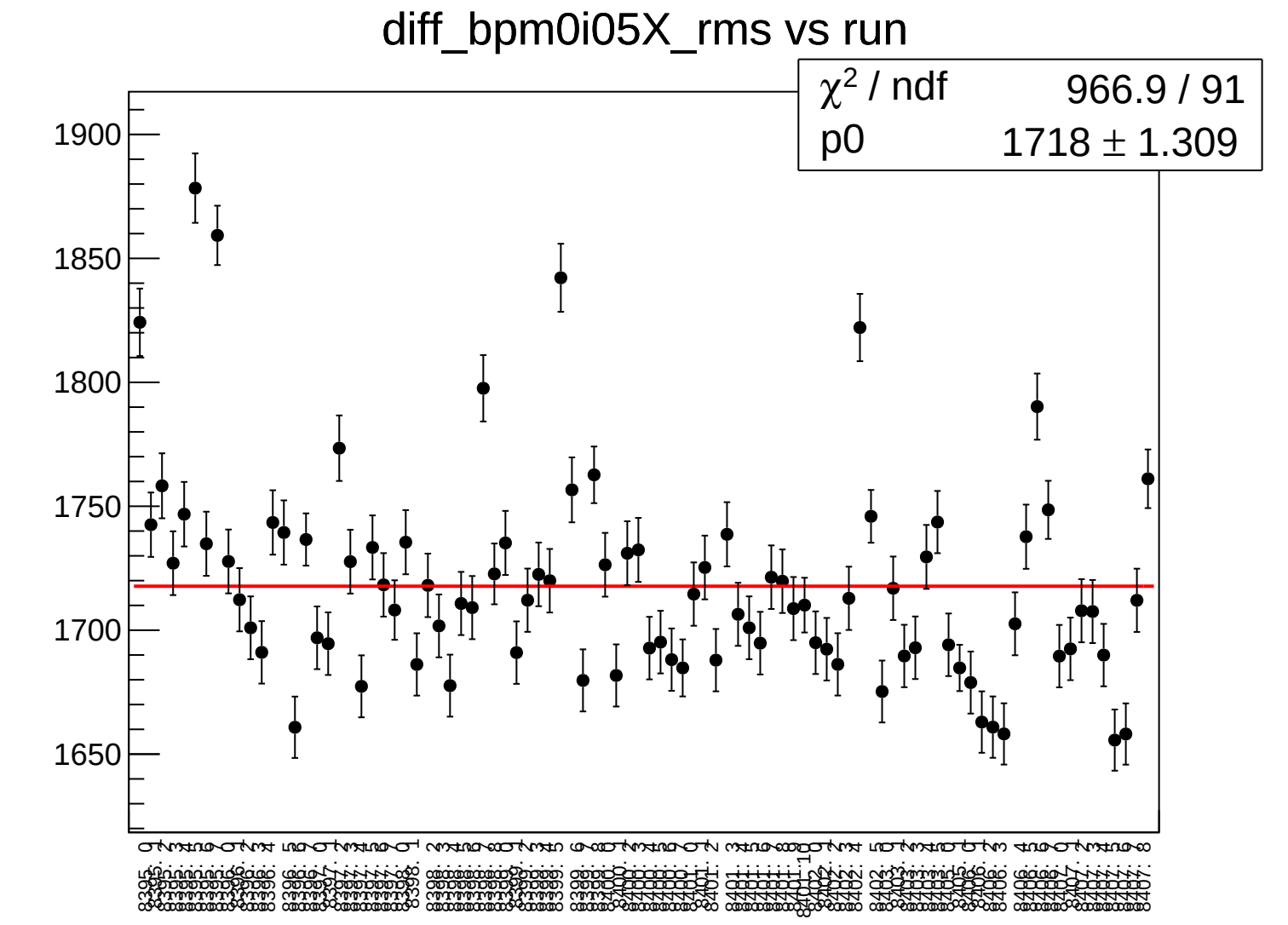

diff_bpm0i02aX_rms vs run
χ² / ndf 303.6 / 91
p0 1430 ± 1.089
1500
1480
1460
1440
1420
1400
1380

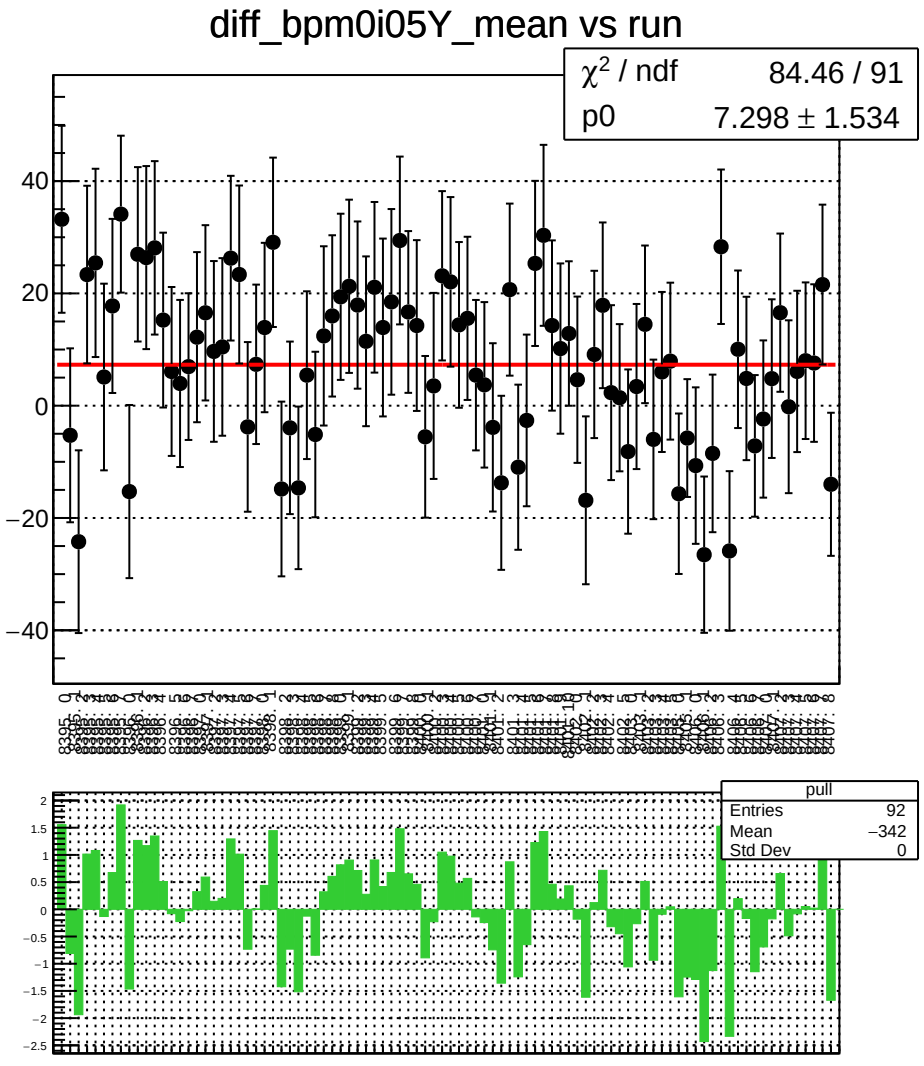

diff_bpm0i02aY_mean vs run
χ² / ndf 304.5 / 91
p0 39.25 ± 1.855
pull
Entries 92
Mean 1677
Std Dev 0
pull1D
Entries 92
Mean 0.01702
Std Dev 1.819

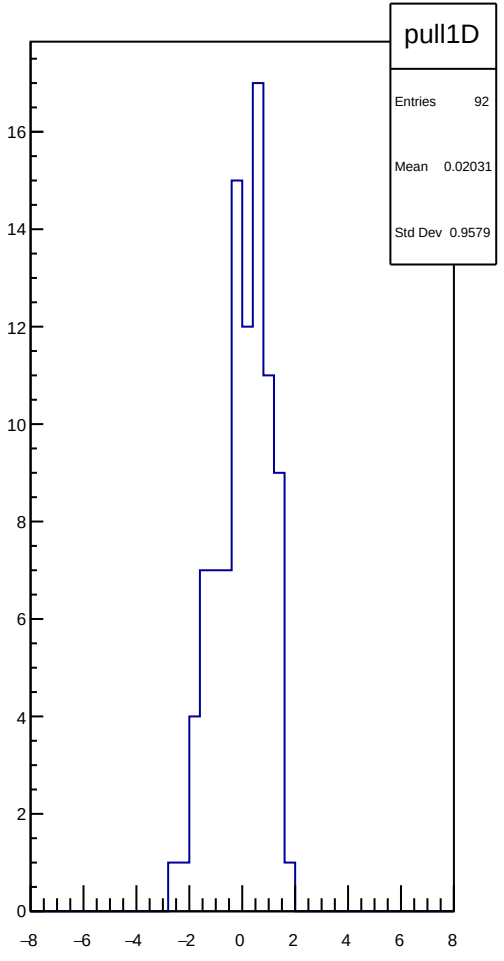

diff_bpm0i02aY_rms vs run
$\chi^2$ / ndf 915.2 / 91
p0 1722 ± 1.312
1850
1800
1750
1700
1650
1600
1550
1500

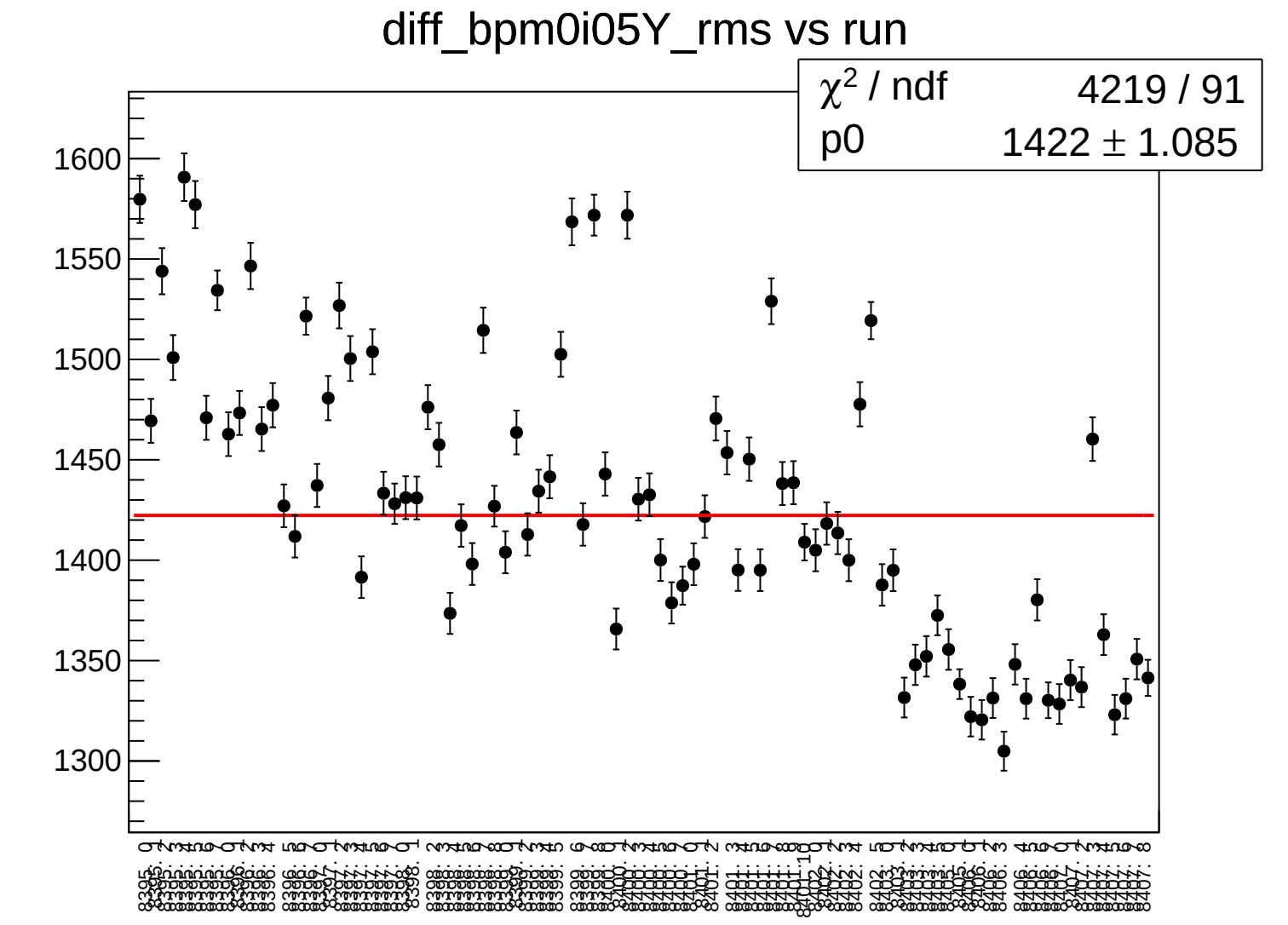

diff_bpm0i05X_mean vs run
χ² / ndf 538.1 / 91
p0 29.8 ± 1.851
100
50
0
−50
−100
pull
Entries 92
Mean −1508
Std Dev 0
2
0
−2
−4
−6

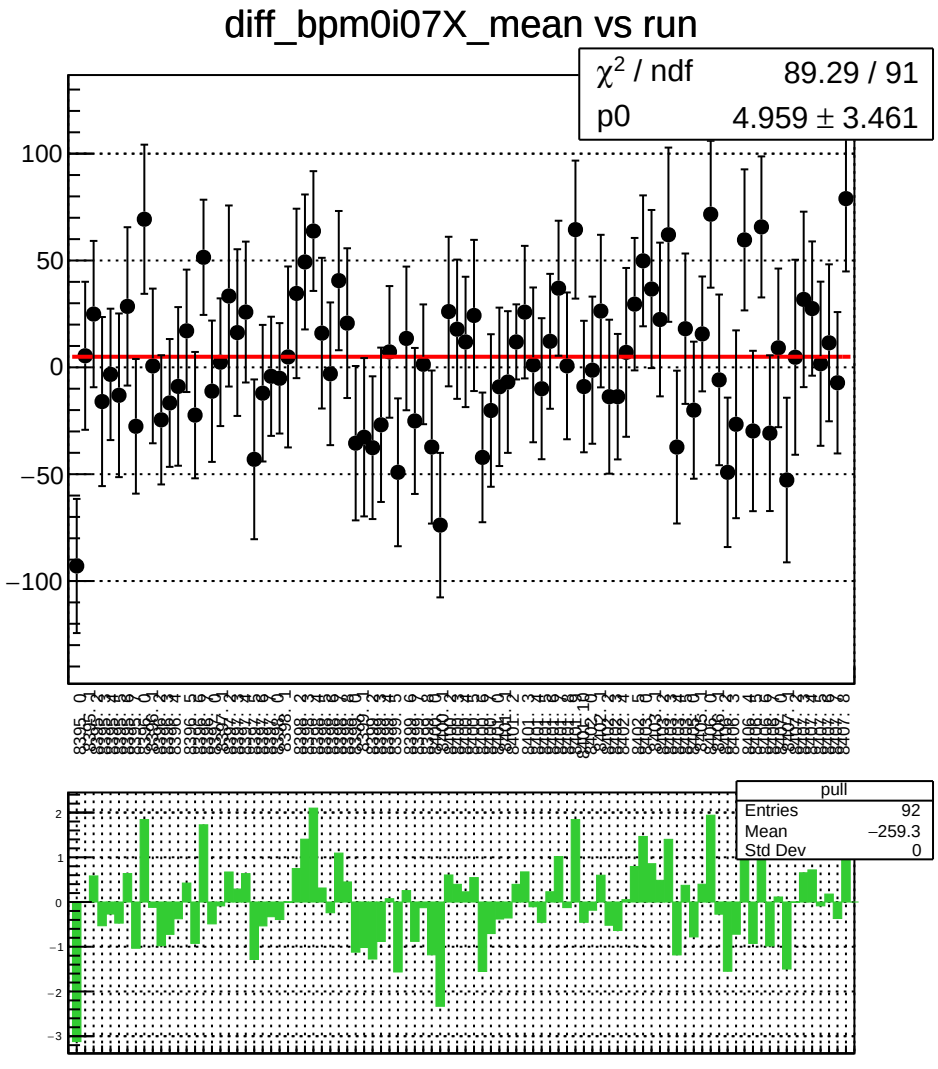

pull1D
Entries 92
Mean 0.02727
Std Dev 2.418
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

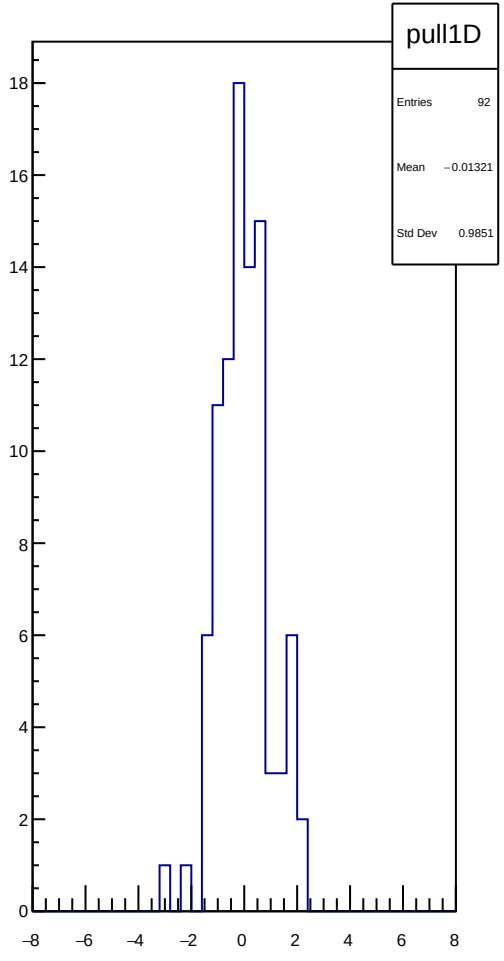

diff_bpm0i05X_rms vs run
$\chi^2$ / ndf 966.9 / 91
p0 1718 ± 1.309
1900
1850
1800
1750
1700
1650

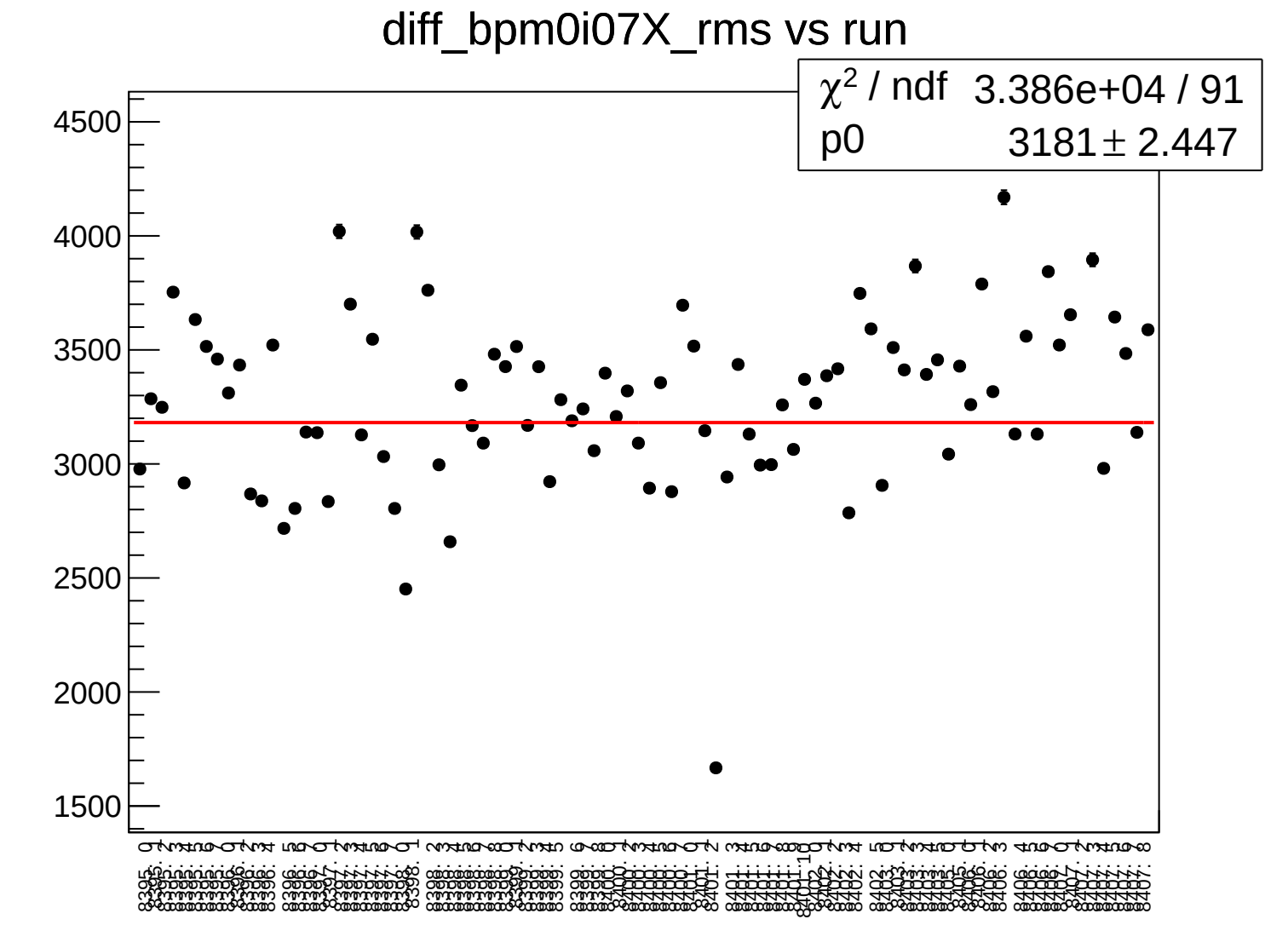

diff_bpm0i05Y_mean vs run
χ² / ndf 84.46 / 91
p0 7.298 ± 1.534
40
20
0
−20
−40
pull
Entries 92
Mean −342
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

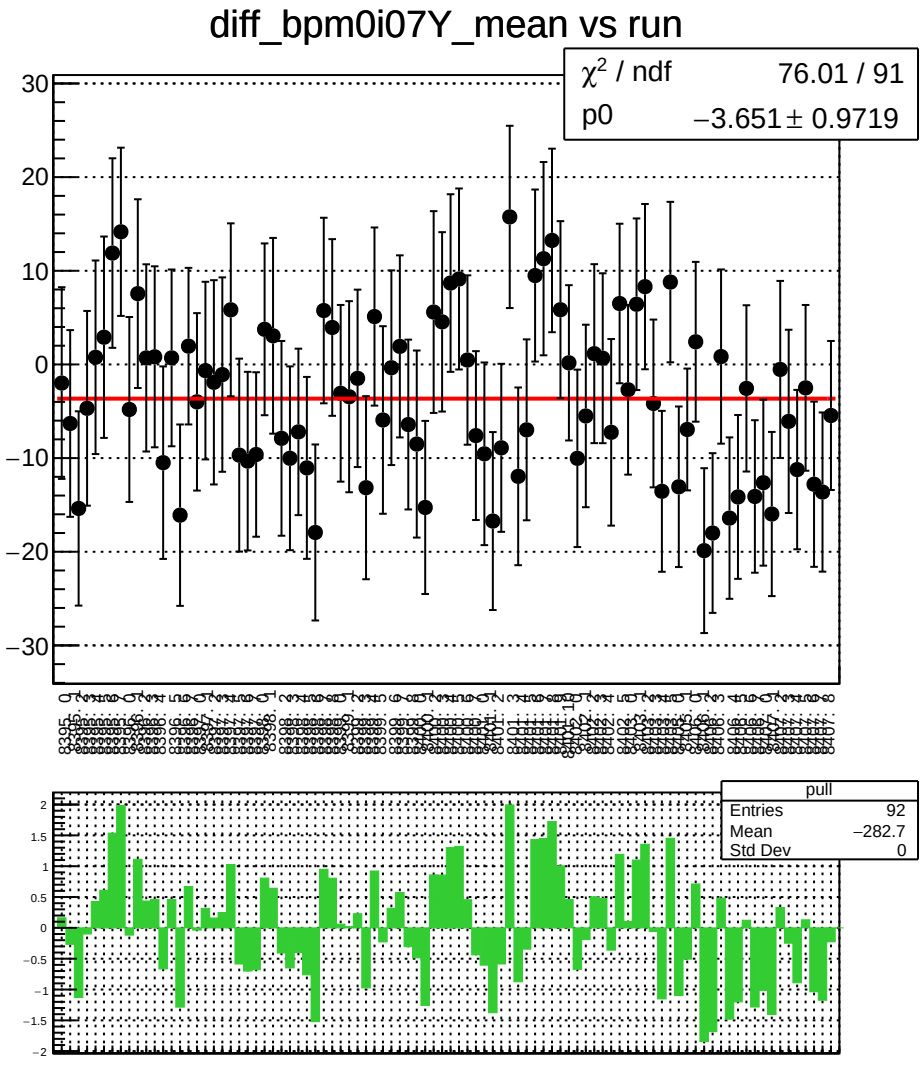

pull1D
Entries 92
Mean 0.02031
Std Dev 0.9579
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

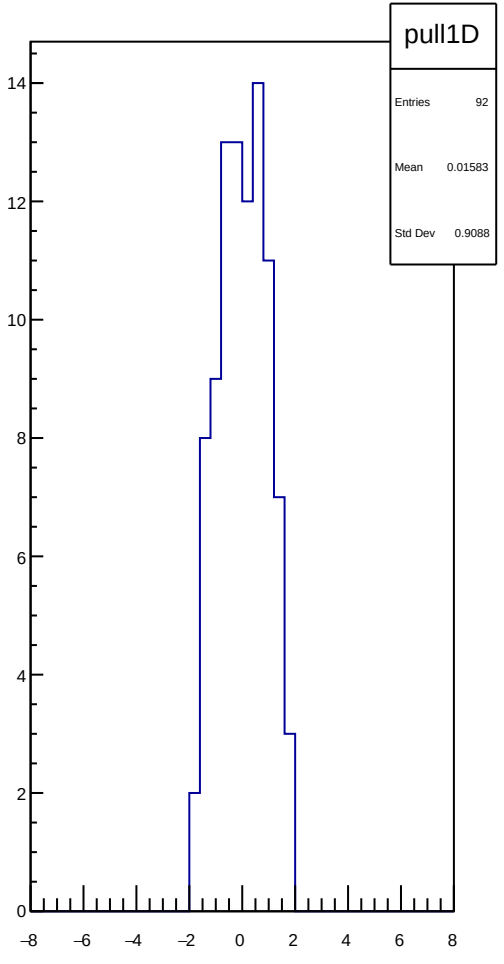

diff_bpm0i05Y_rms vs run
χ² / ndf 4219 / 91
p0 1422 ± 1.085
1600
1550
1500
1450
1400
1350
1300

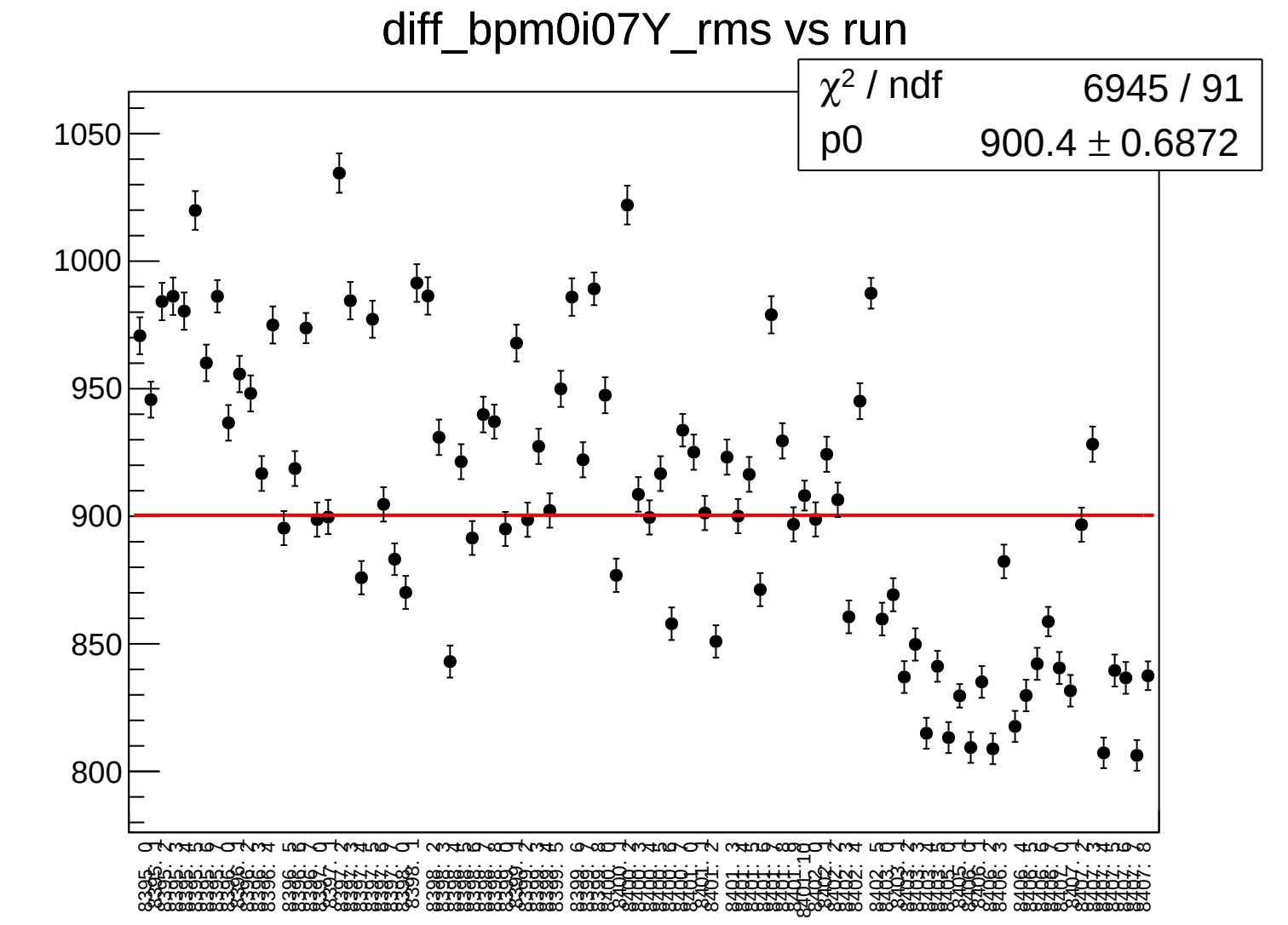

diff_bpm0i07X_mean vs run
χ² / ndf 89.29 / 91
p0 4.959 ± 3.461
100
50
0
−50
−100
pull
Entries 92
Mean −259.3
Std Dev 0
2
1
0
−1
−2
−3

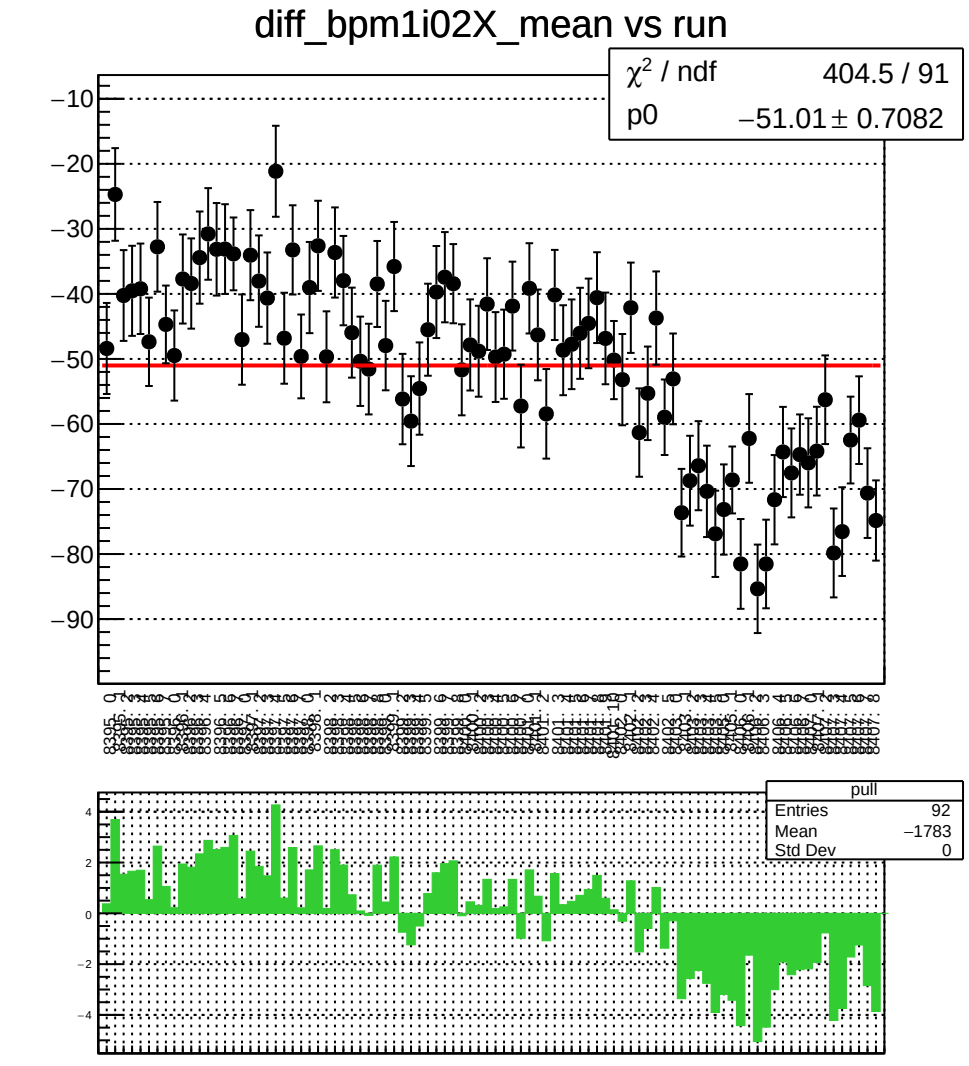

pull1D
Entries 92
Mean −0.01321
Std Dev 0.9851
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

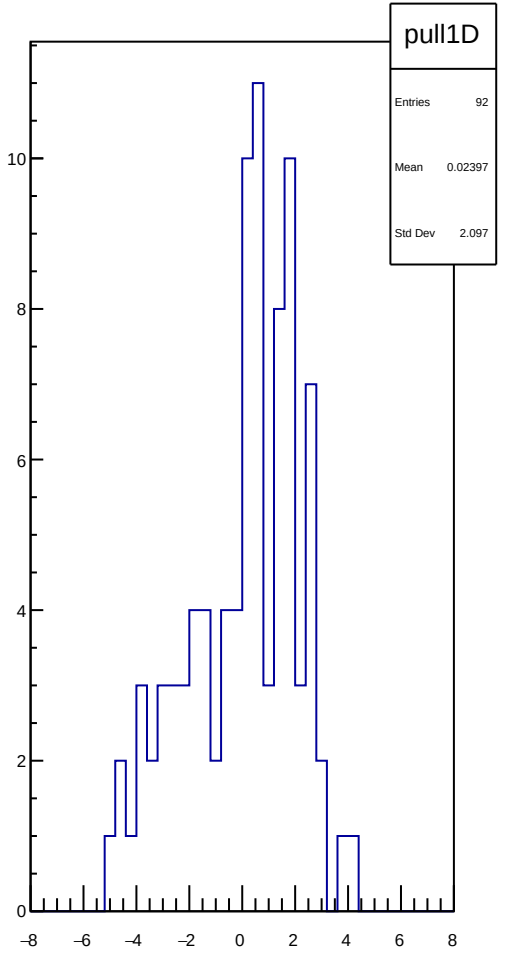

diff_bpm0i07X_rms vs run
$\chi^2$ / ndf 3.386e+04 / 91
p0 3181 ± 2.447
4500
4000
3500
3000
2500
2000
1500

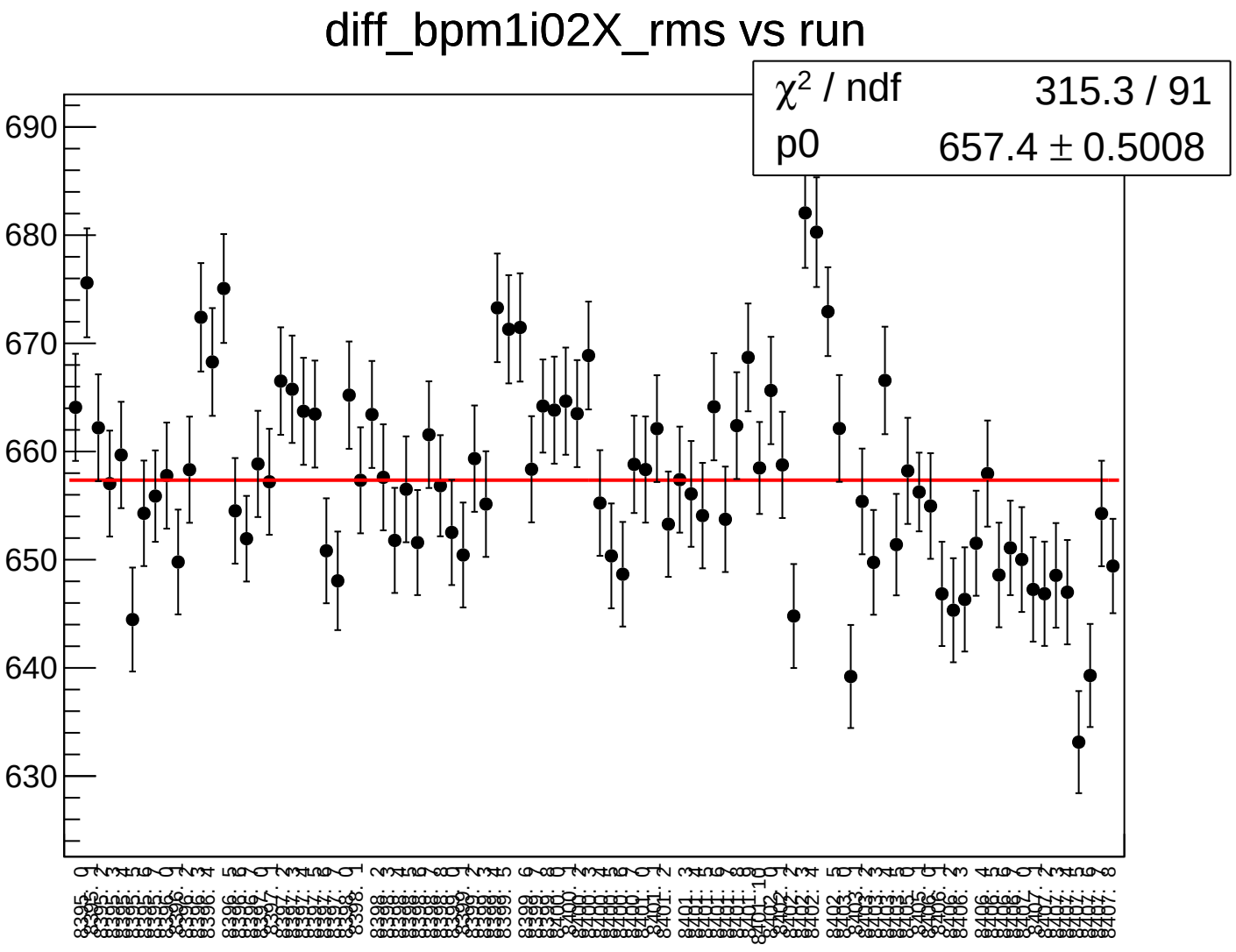

diff_bpm0i07Y_mean vs run
$\chi^2$ / ndf 76.01 / 91
p0 −3.651 ± 0.9719
pull
Entries 92
Mean −282.7
Std Dev 0

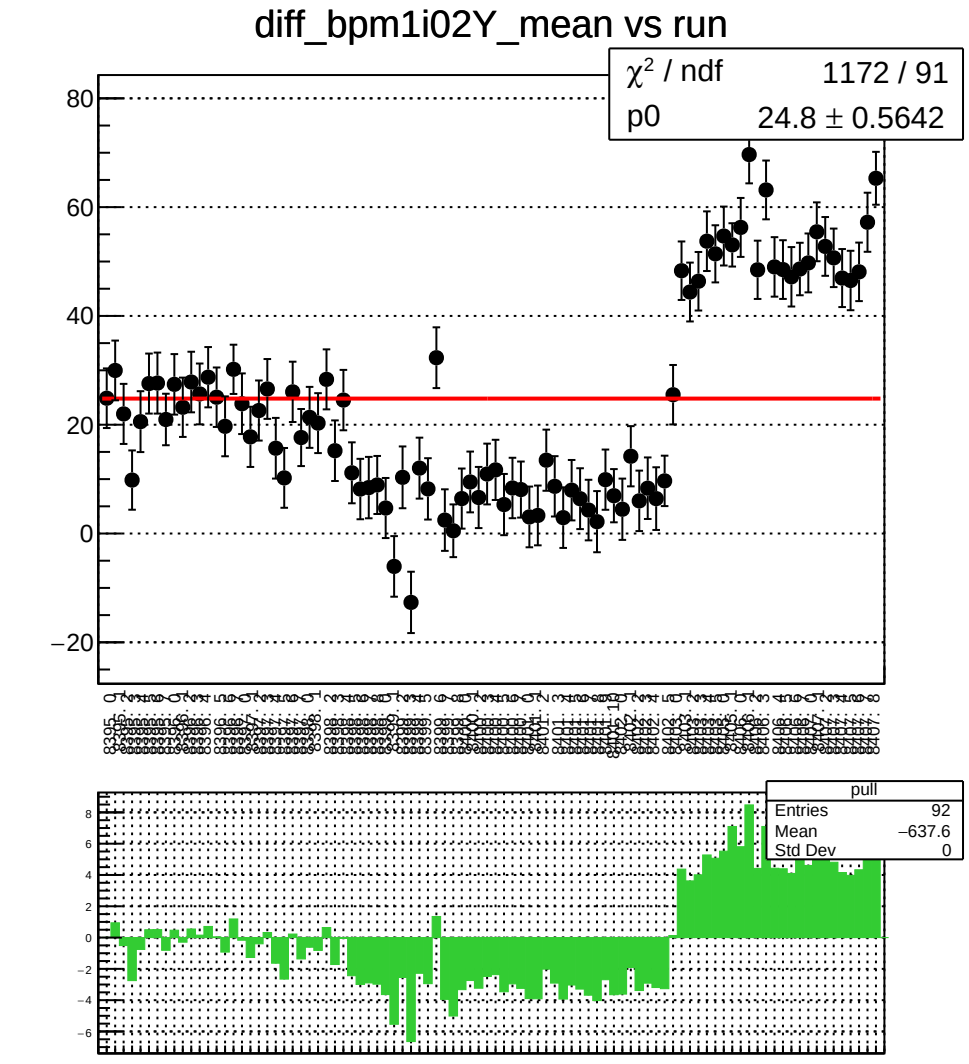

pull1D
Entries 92
Mean 0.01583
Std Dev 0.9088

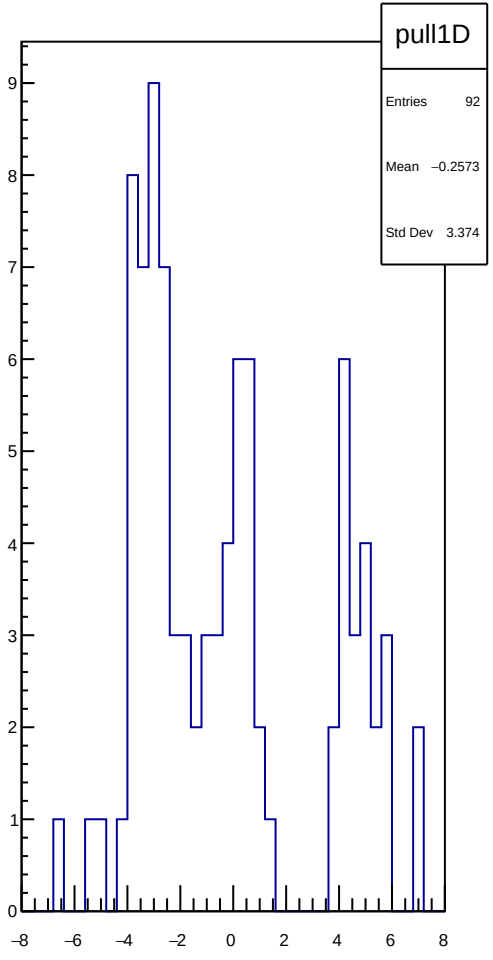

diff_bpm0i07Y_rms vs run
χ² / ndf 6945 / 91
p0 900.4 ± 0.6872
1050
1000
950
900
850
800

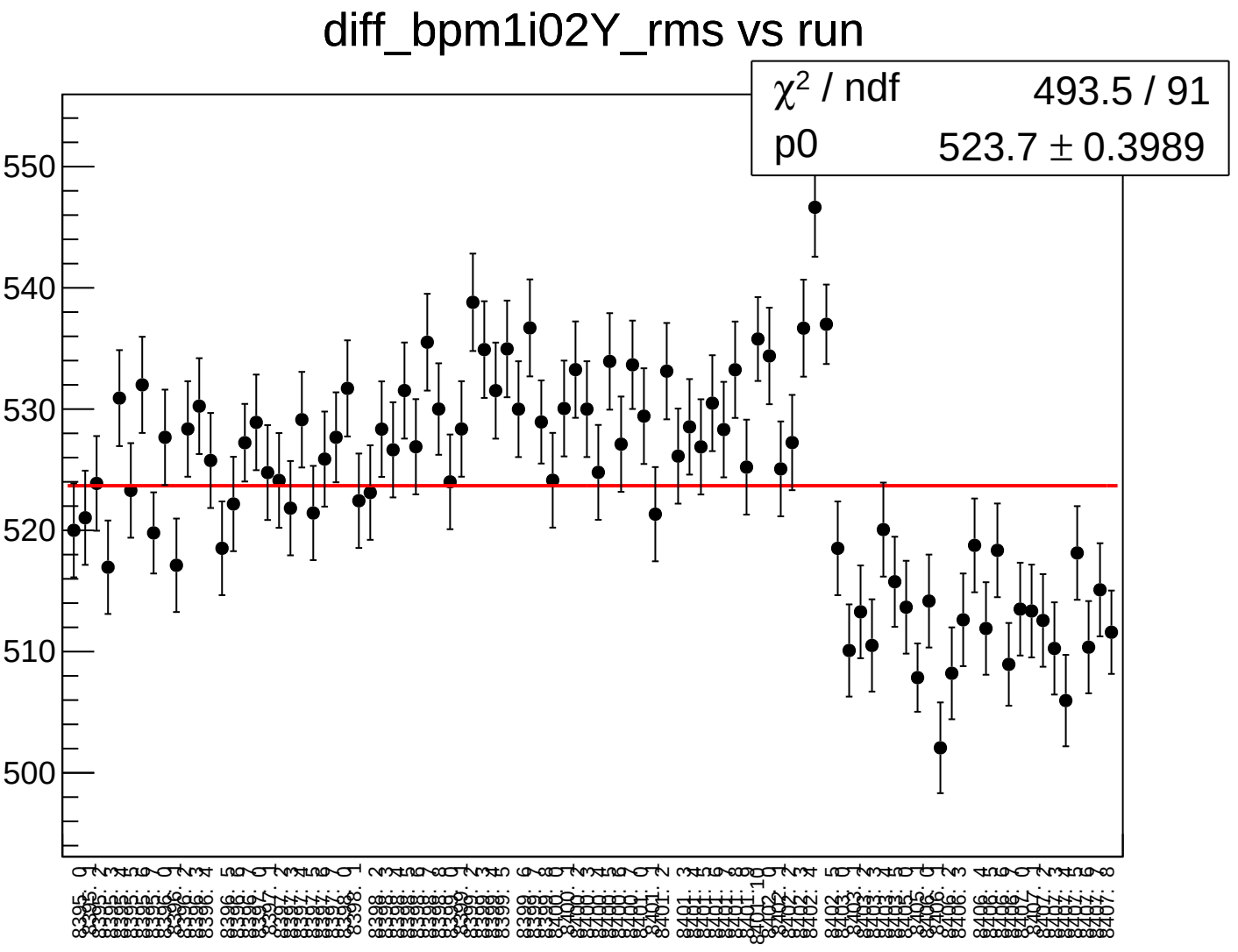

diff_bpm1i02X_mean vs run
χ² / ndf 404.5 / 91
p0 −51.01 ± 0.7082
pull
Entries 92
Mean −1783
Std Dev 0

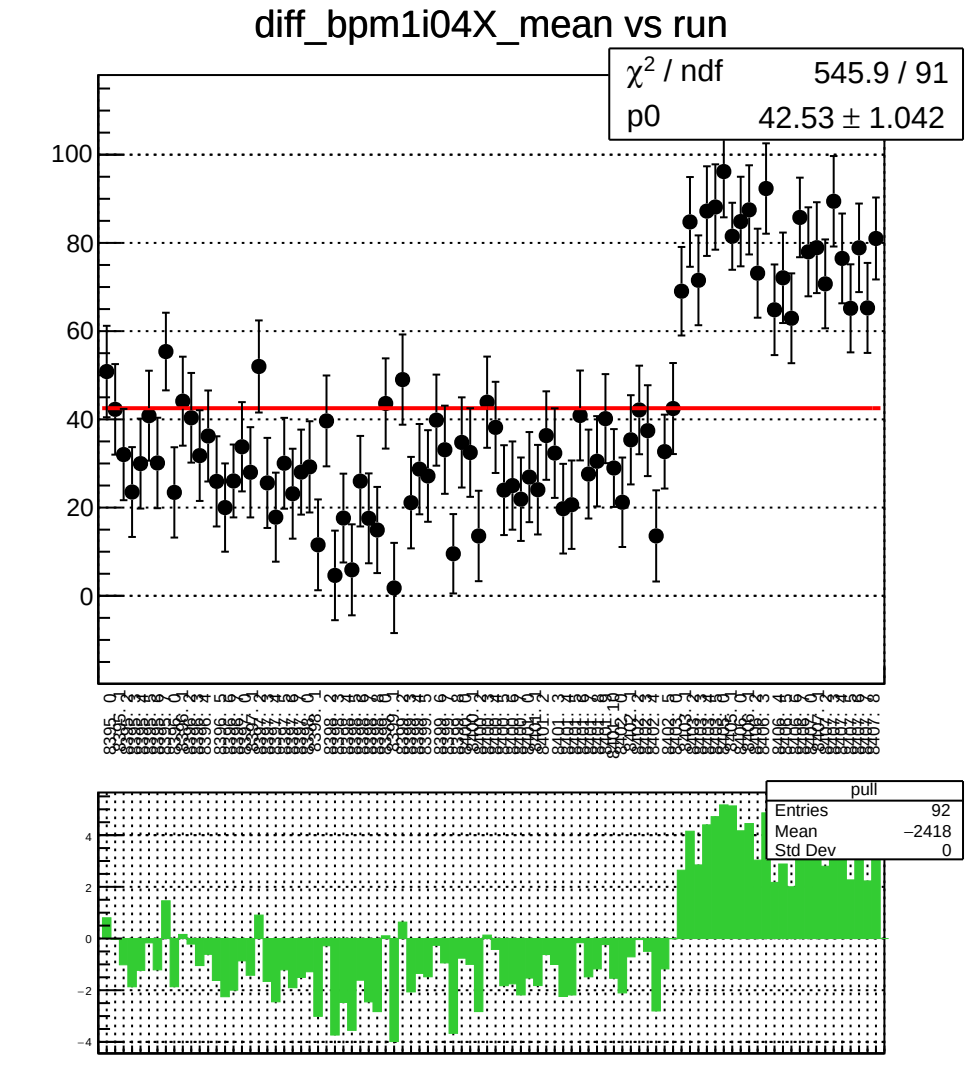

pull1D
Entries 92
Mean 0.02397
Std Dev 2.097

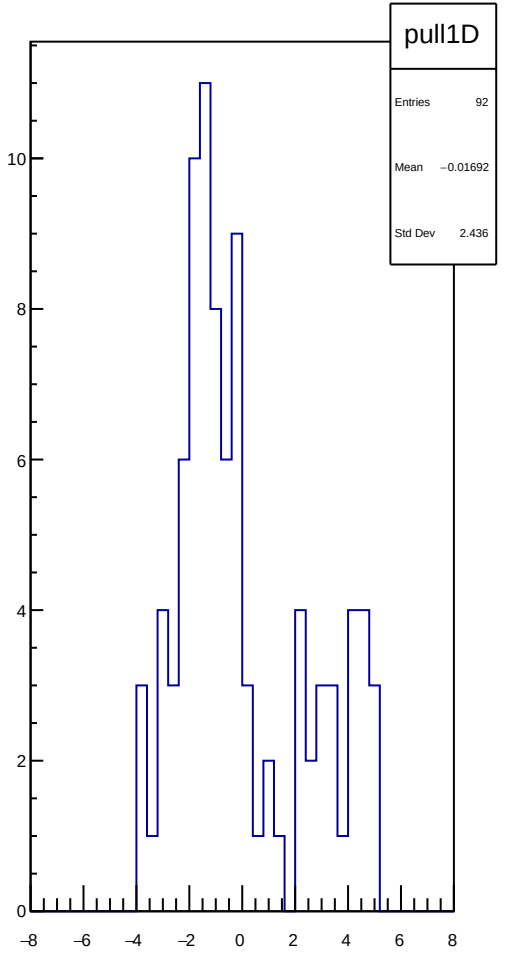

diff_bpm1i02X_rms vs run
χ² / ndf 315.3 / 91
p0 657.4 ± 0.5008
690
680
670
660
650
640
630

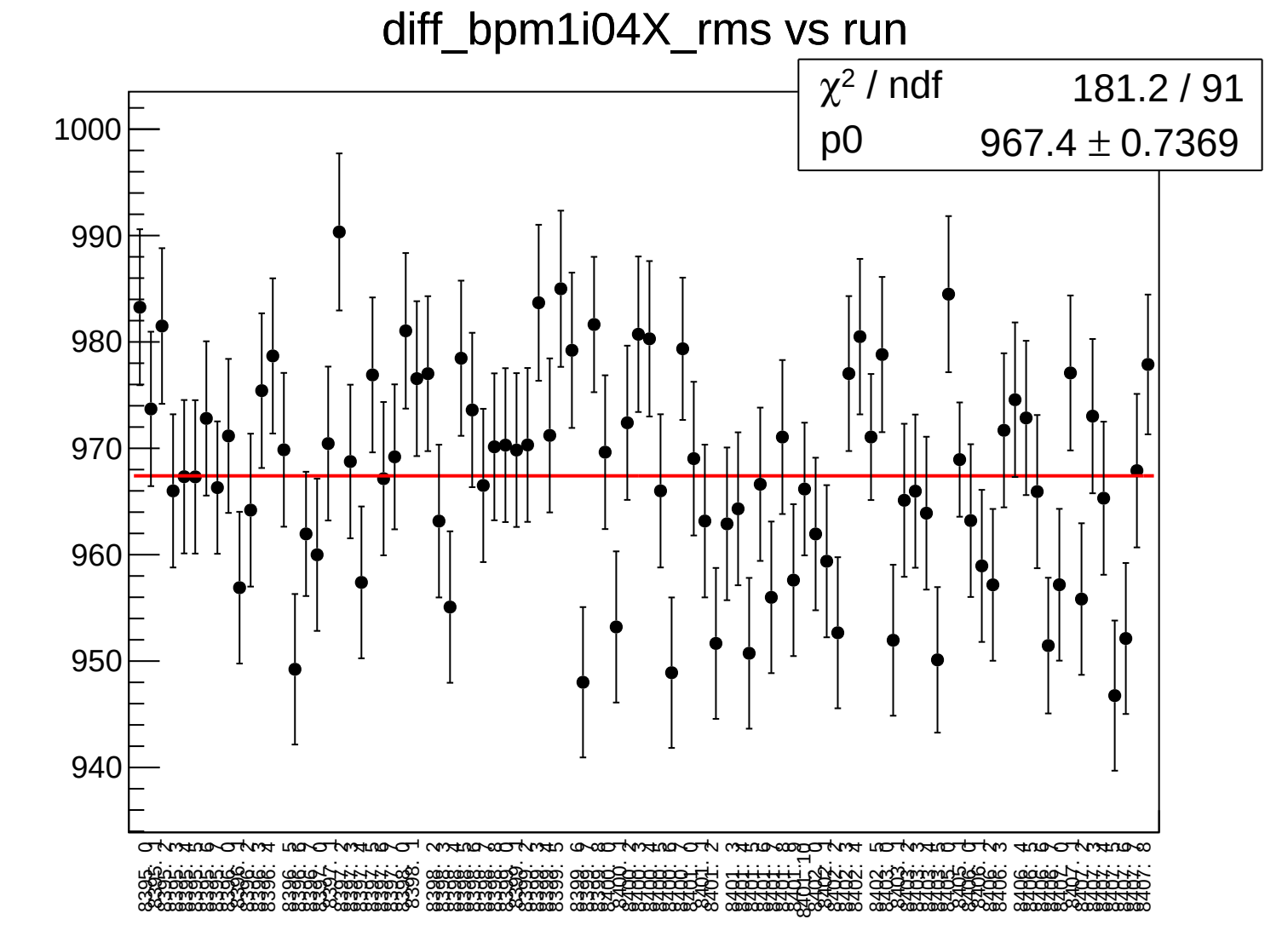

diff_bpm1i02Y_mean vs run
χ² / ndf 1172 / 91
p0 24.8 ± 0.5642
pull
Entries 92
Mean −637.6
Std Dev 0

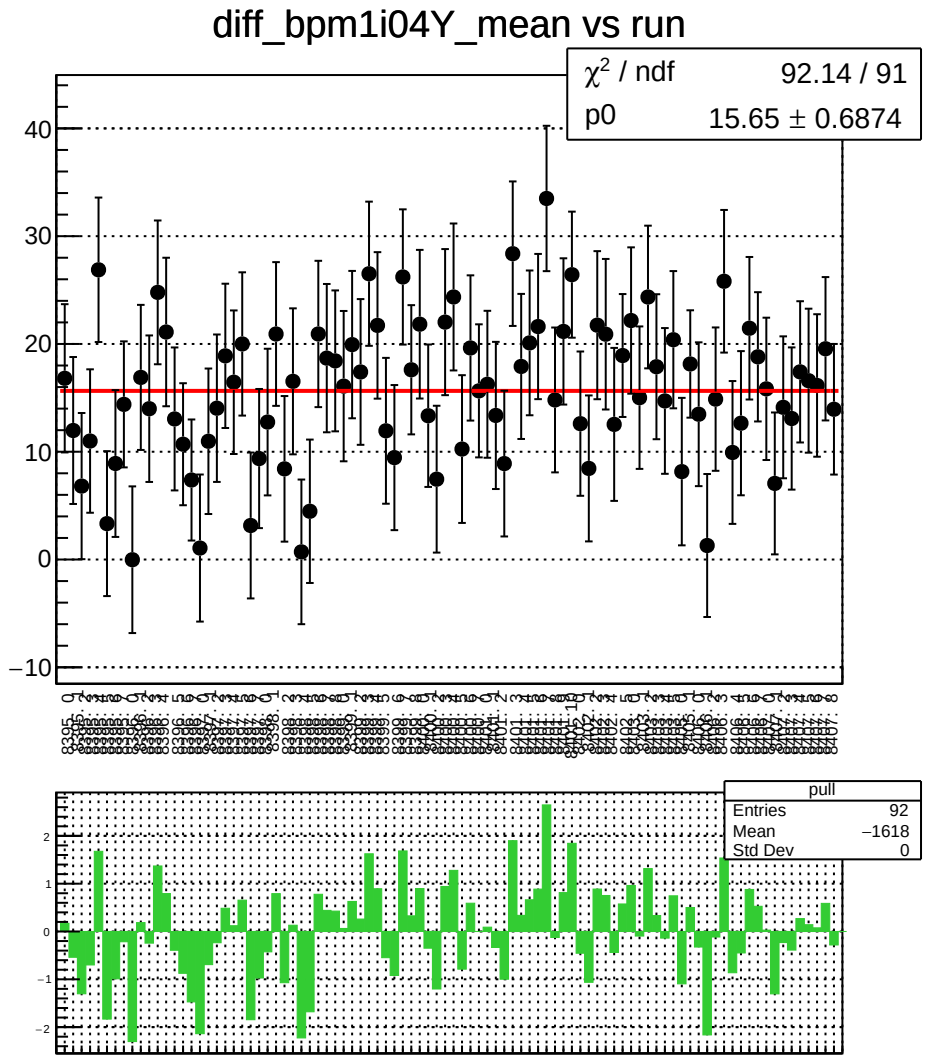

pull1D
Entries 92
Mean −0.2573
Std Dev 3.374

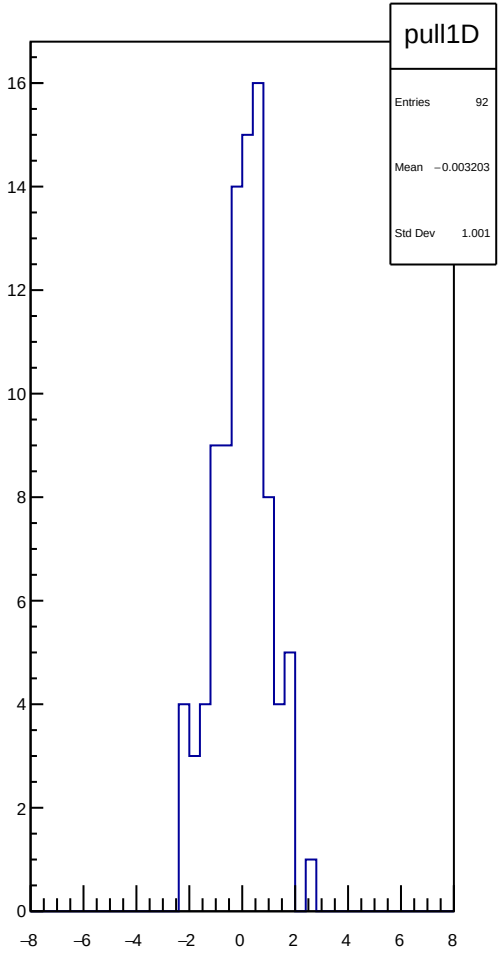

diff_bpm1i02Y_rms vs run
χ² / ndf 493.5 / 91
p0 523.7 ± 0.3989
550
540
530
520
510
500

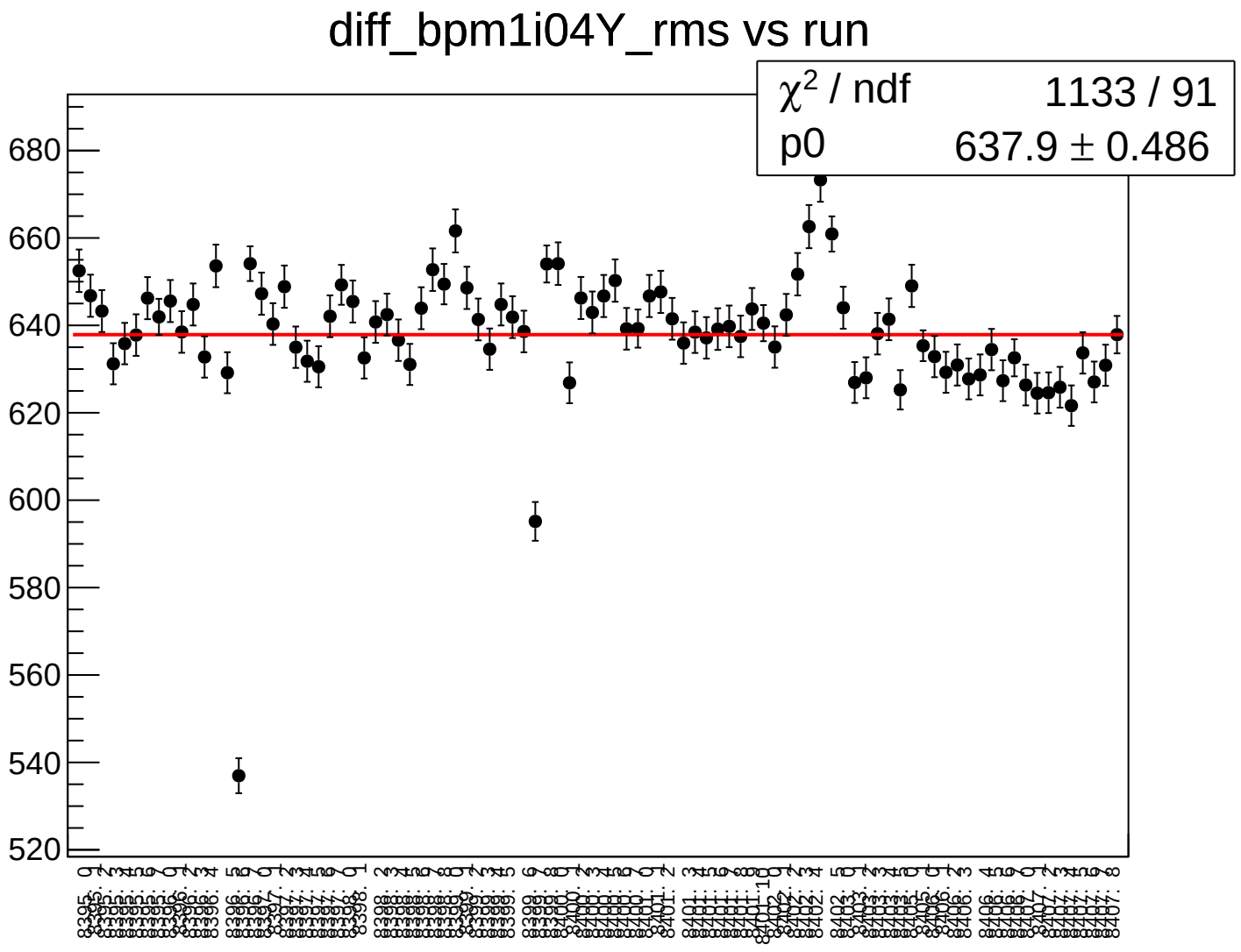

diff_bpm1i04X_mean vs run
$\chi^2$ / ndf 545.9 / 91
p0 42.53 ± 1.042
100
80
60
40
20
0
pull
Entries 92
Mean −2418
Std Dev 0
4
2
0
−2
−4

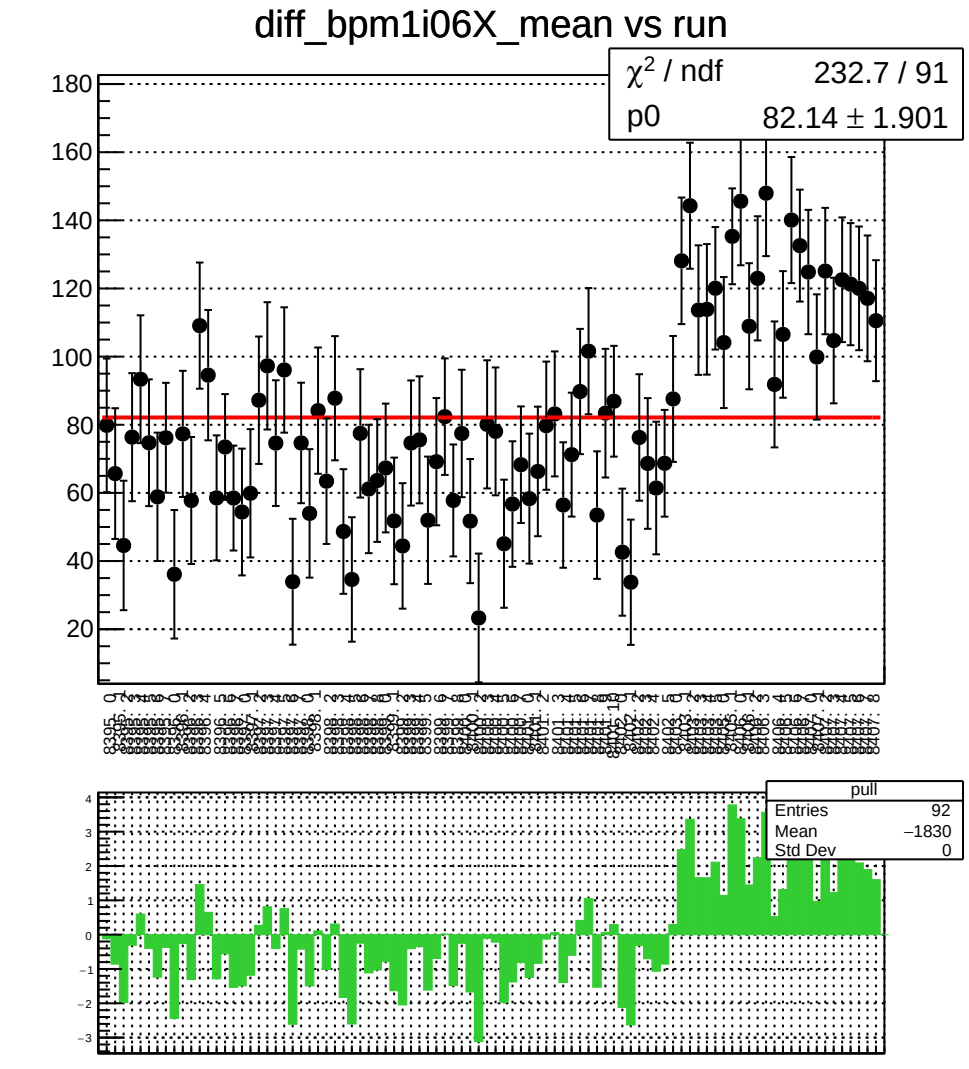

pull1D
Entries 92
Mean −0.01692
Std Dev 2.436
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

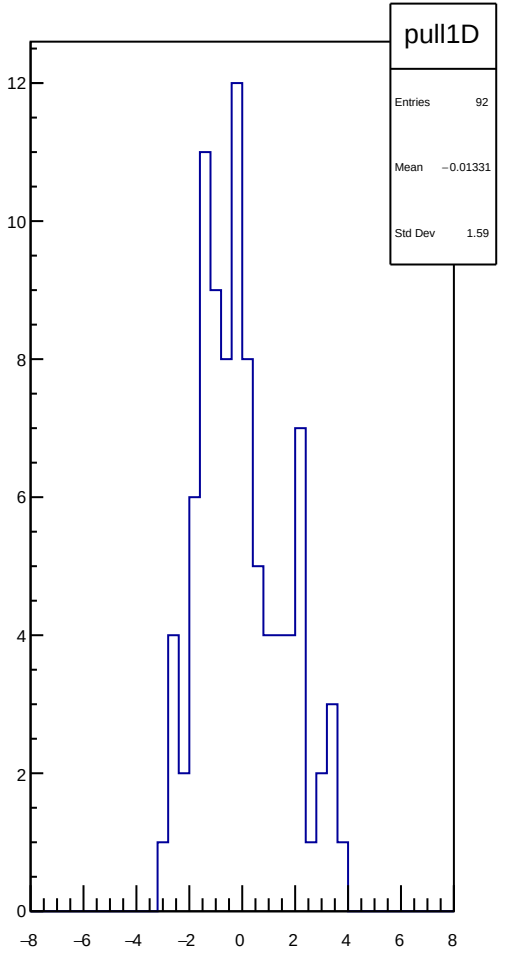

diff_bpm1i04X_rms vs run
$\chi^2$ / ndf 181.2 / 91
p0 967.4 ± 0.7369
1000
990
980
970
960
950
940

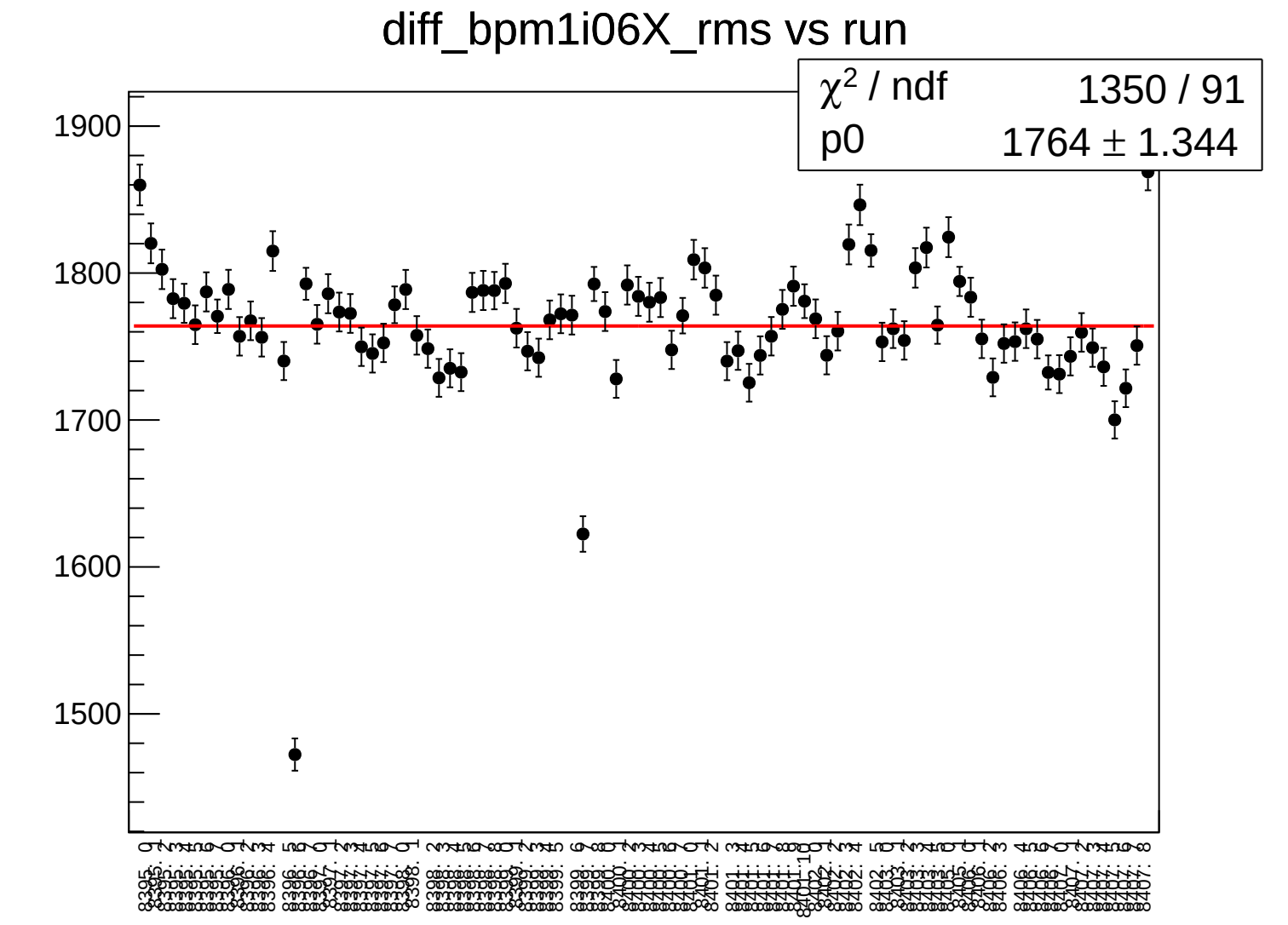

diff_bpm1i04Y_mean vs run
χ² / ndf 92.14 / 91
p0 15.65 ± 0.6874
pull
Entries 92
Mean −1618
Std Dev 0

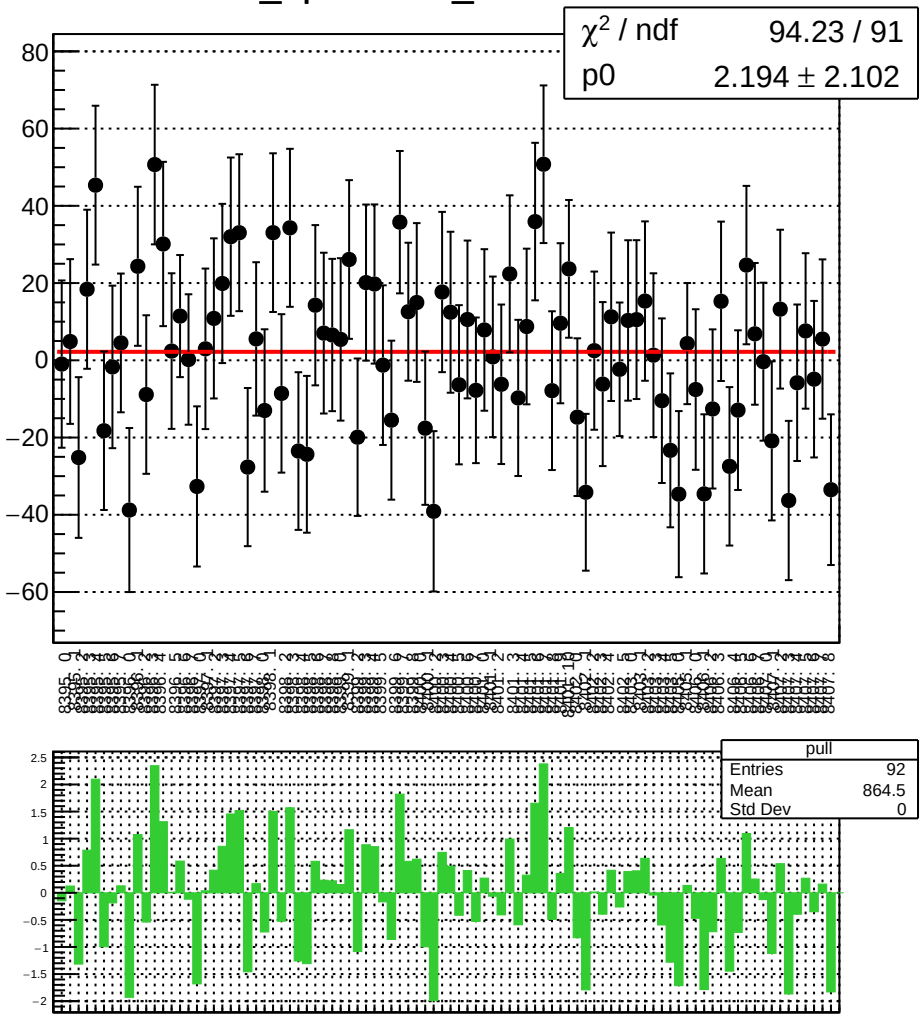

pull1D
Entries 92
Mean −0.003203
Std Dev 1.001

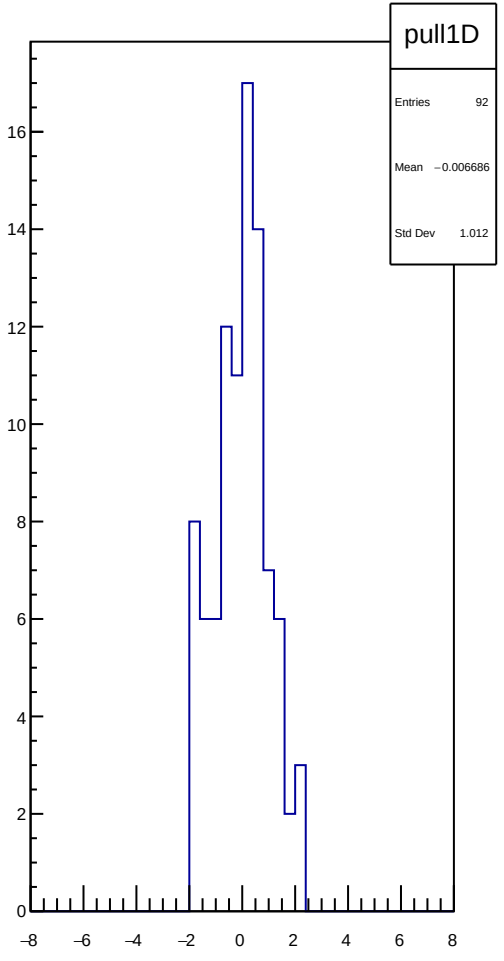

diff_bpm1i04Y_rms vs run
χ² / ndf 1133 / 91
p0 637.9 ± 0.486
680
660
640
620
600
580
560
540
520

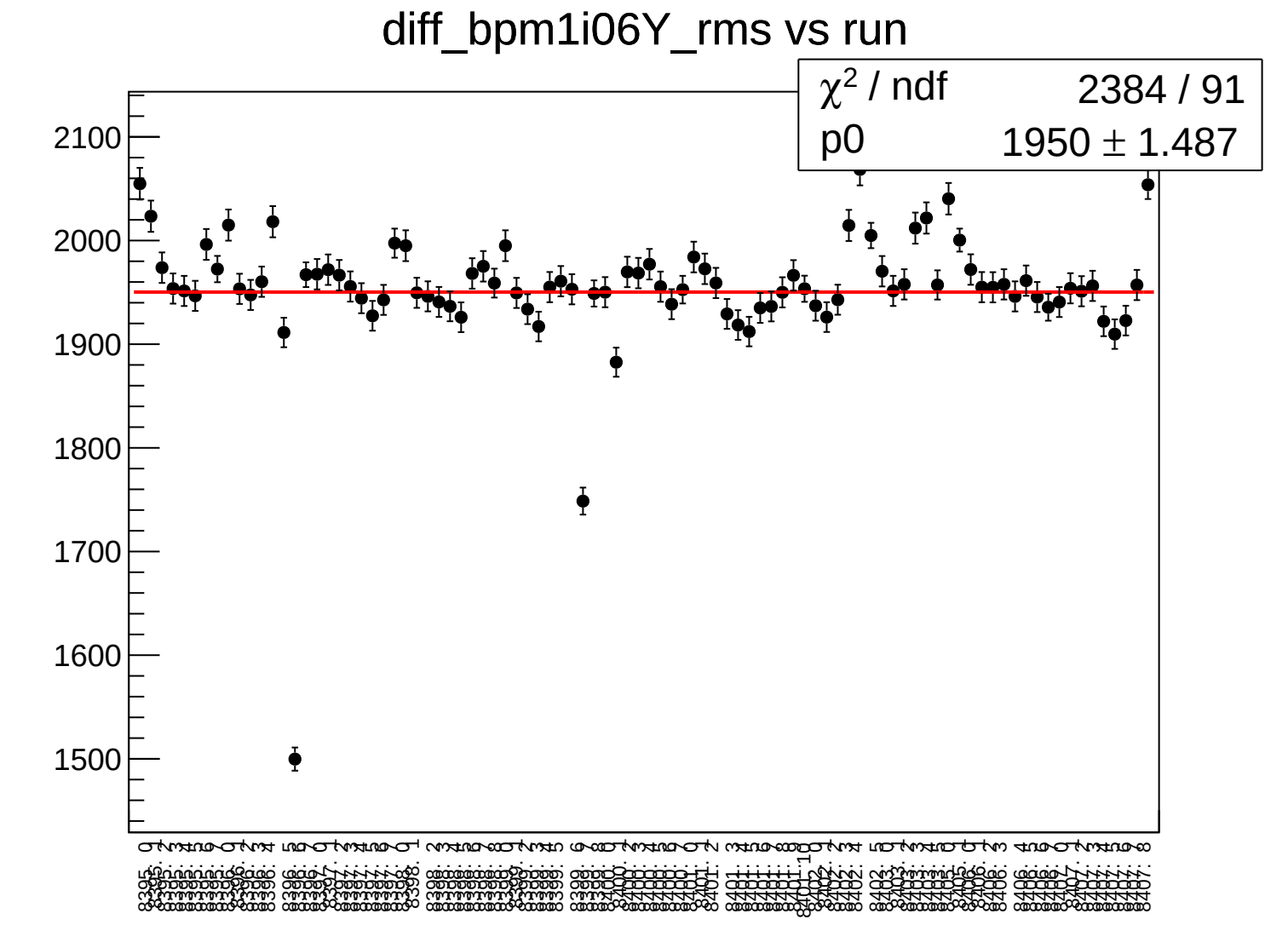

diff_bpm1i06X_mean vs run
χ² / ndf 232.7 / 91
p0 82.14 ± 1.901
pull
Entries 92
Mean −1830
Std Dev 0

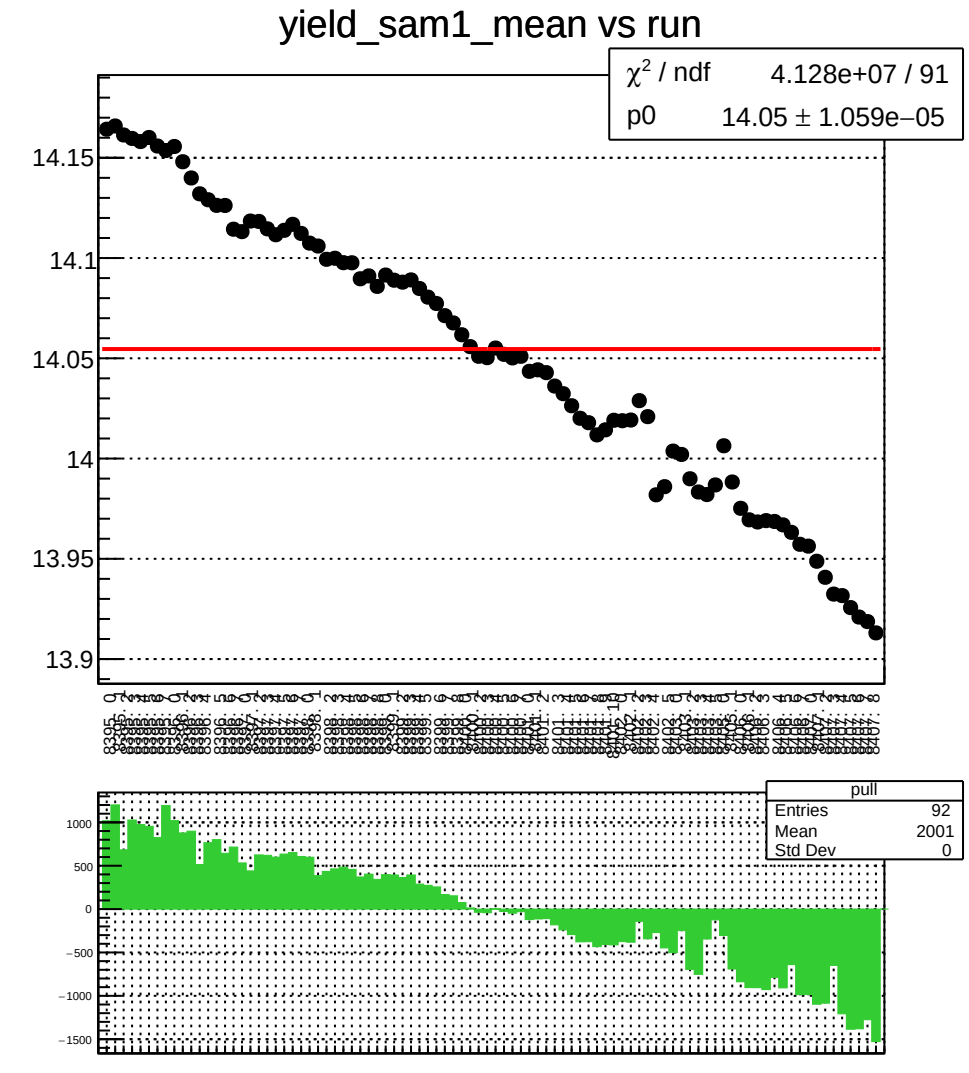

pull1D
Entries 92
Mean −0.01331
Std Dev 1.59

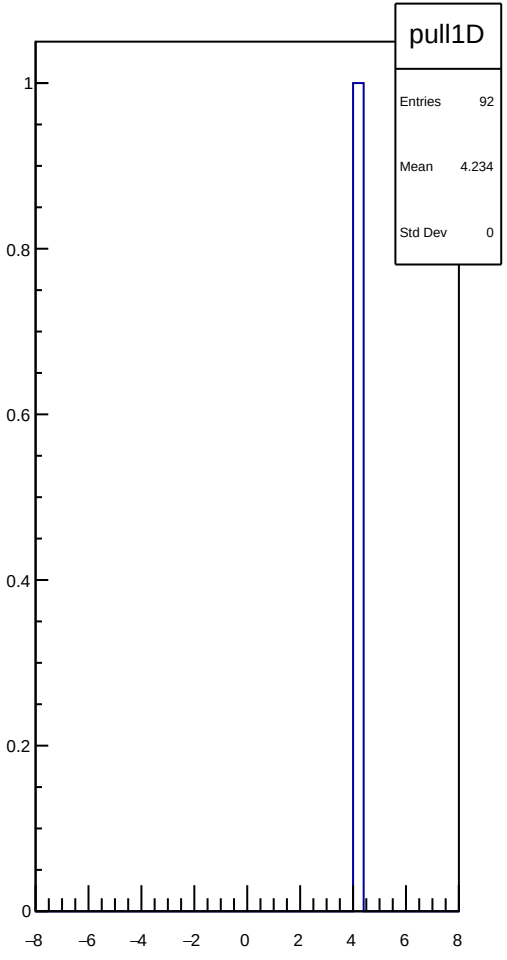

diff_bpm1i06X_rms vs run
χ² / ndf 1350 / 91
p0 1764 ± 1.344
1900
1800
1700
1600
1500

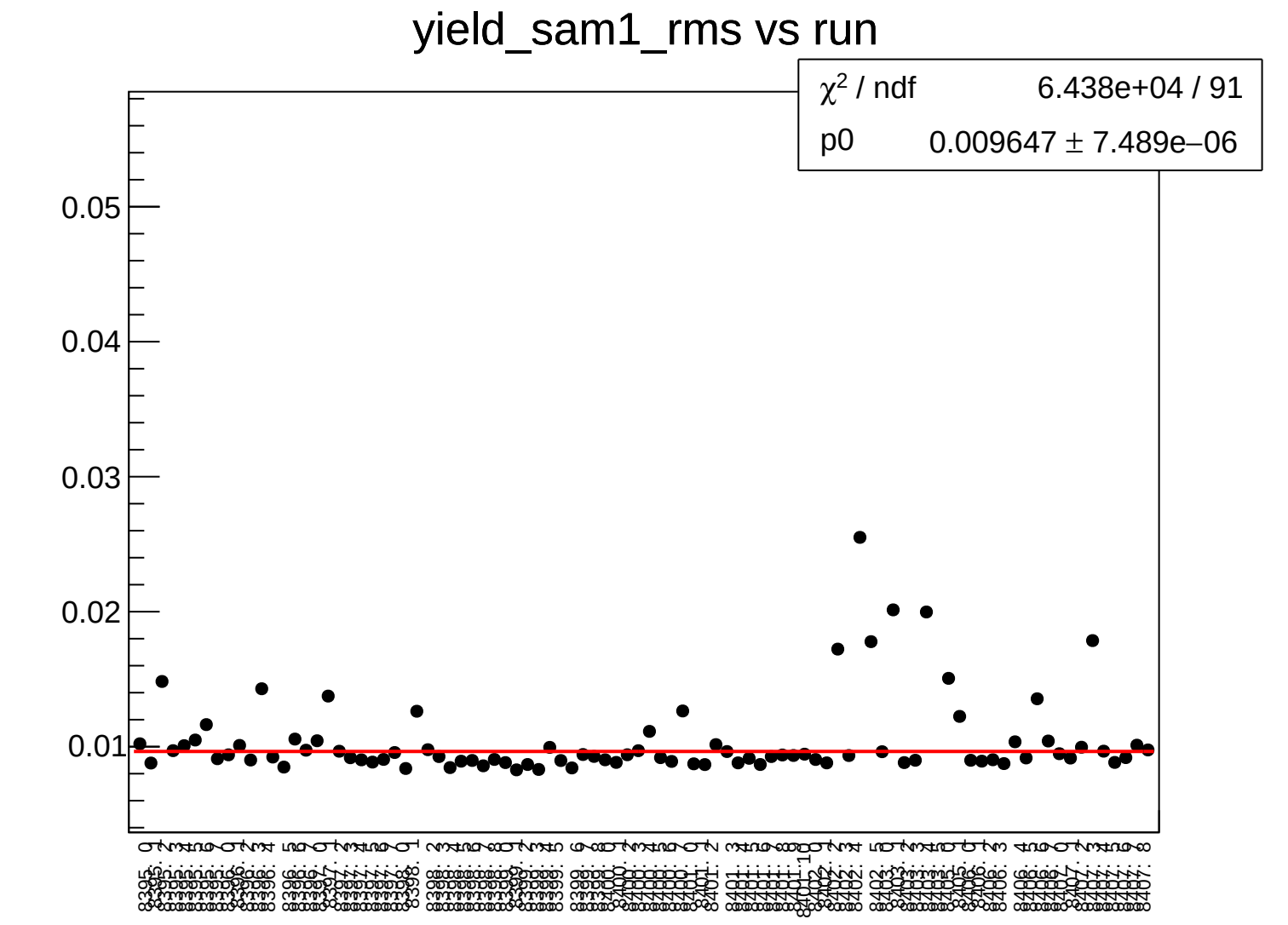

diff_bpm1i06Y_mean vs run
χ² / ndf 94.23 / 91
p0 2.194 ± 2.102
pull
Entries 92
Mean 864.5
Std Dev 0

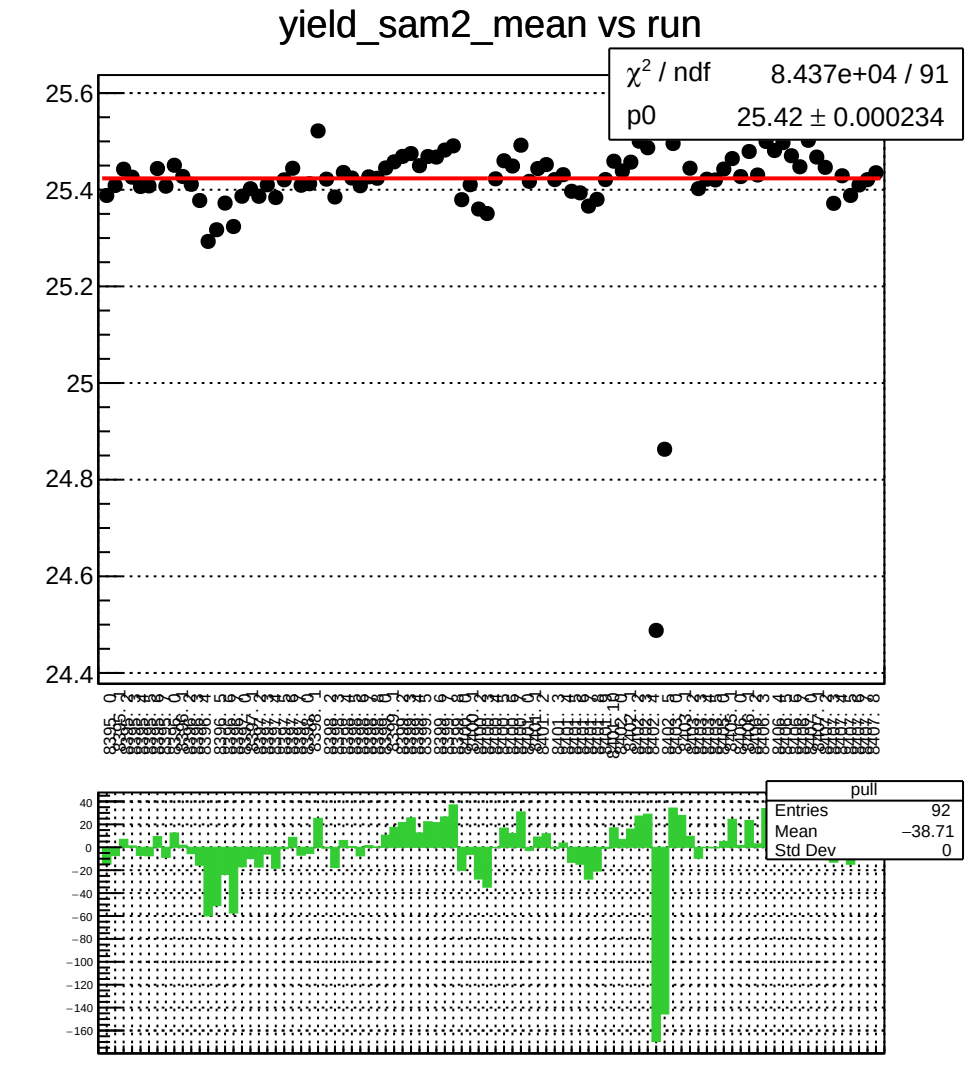

pull1D
Entries 92
Mean −0.006686
Std Dev 1.012

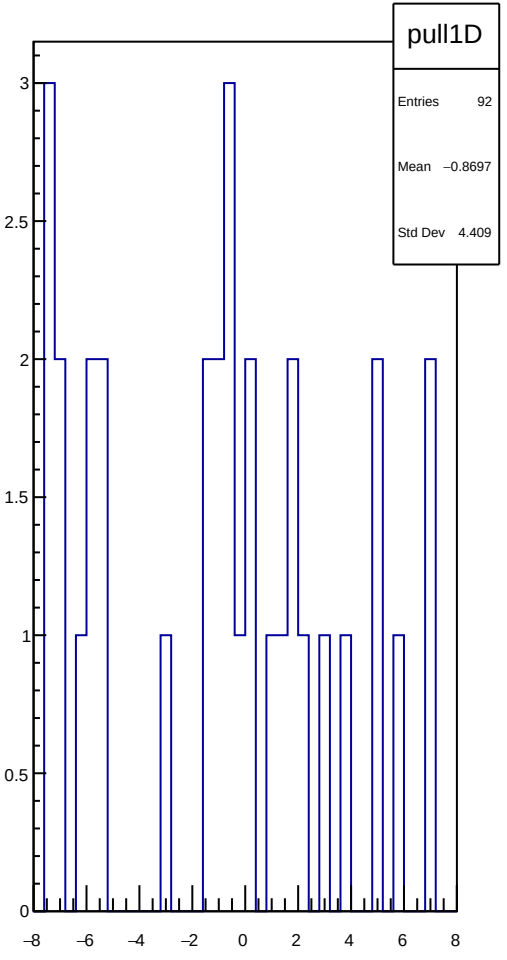

diff_bpm1i06Y_rms vs run
$\chi^2$ / ndf 2384 / 91
p0 1950 ± 1.487
2100
2000
1900
1800
1700
1600
1500

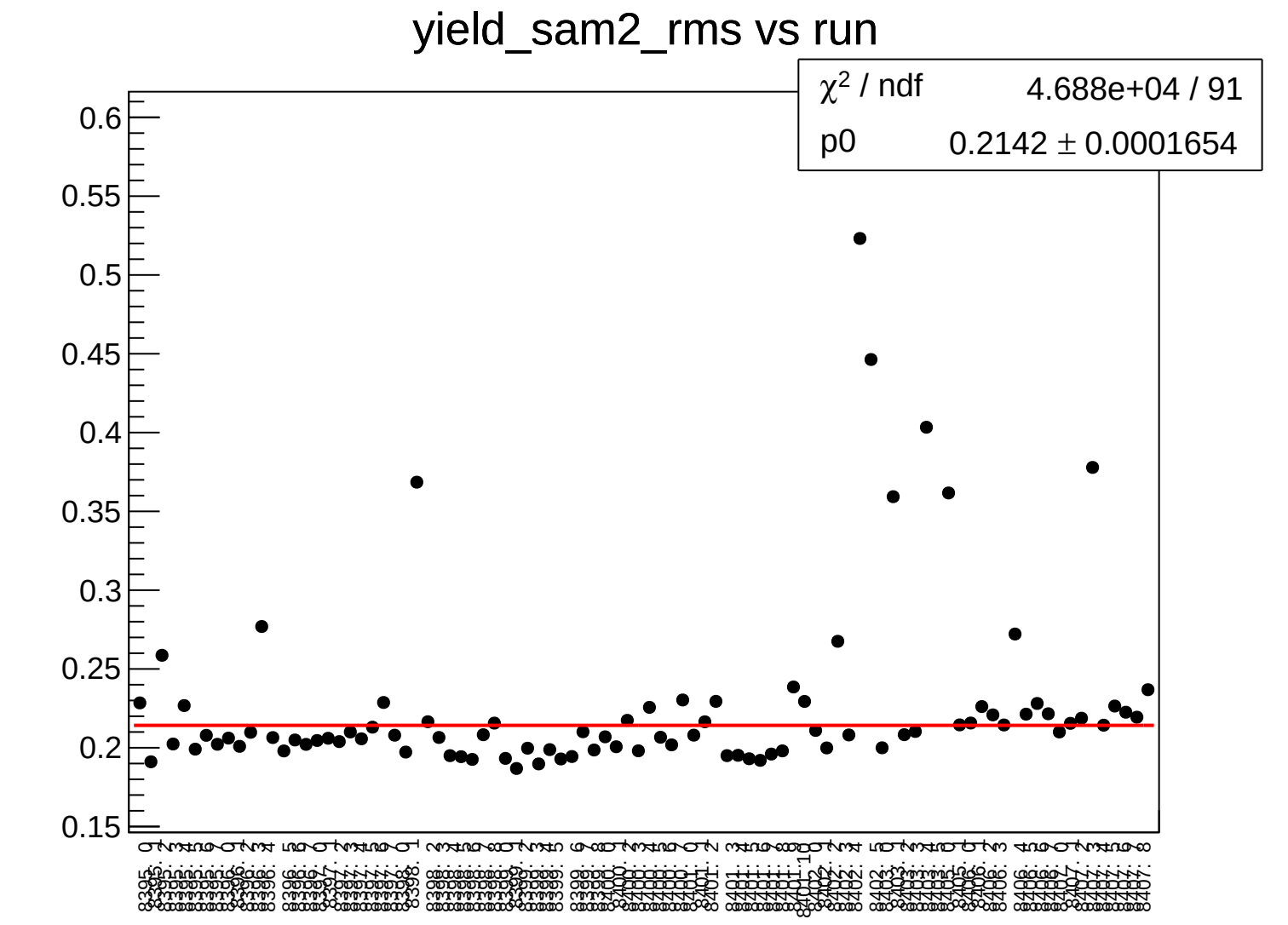

yield_sam1_mean vs run
χ² / ndf 4.128e+07 / 91
p0 14.05 ± 1.059e−05
14.15
14.1
14.05
14
13.95
13.9
pull
Entries 92
Mean 2001
Std Dev 0
1000
500
0
−500
−1000
−1500

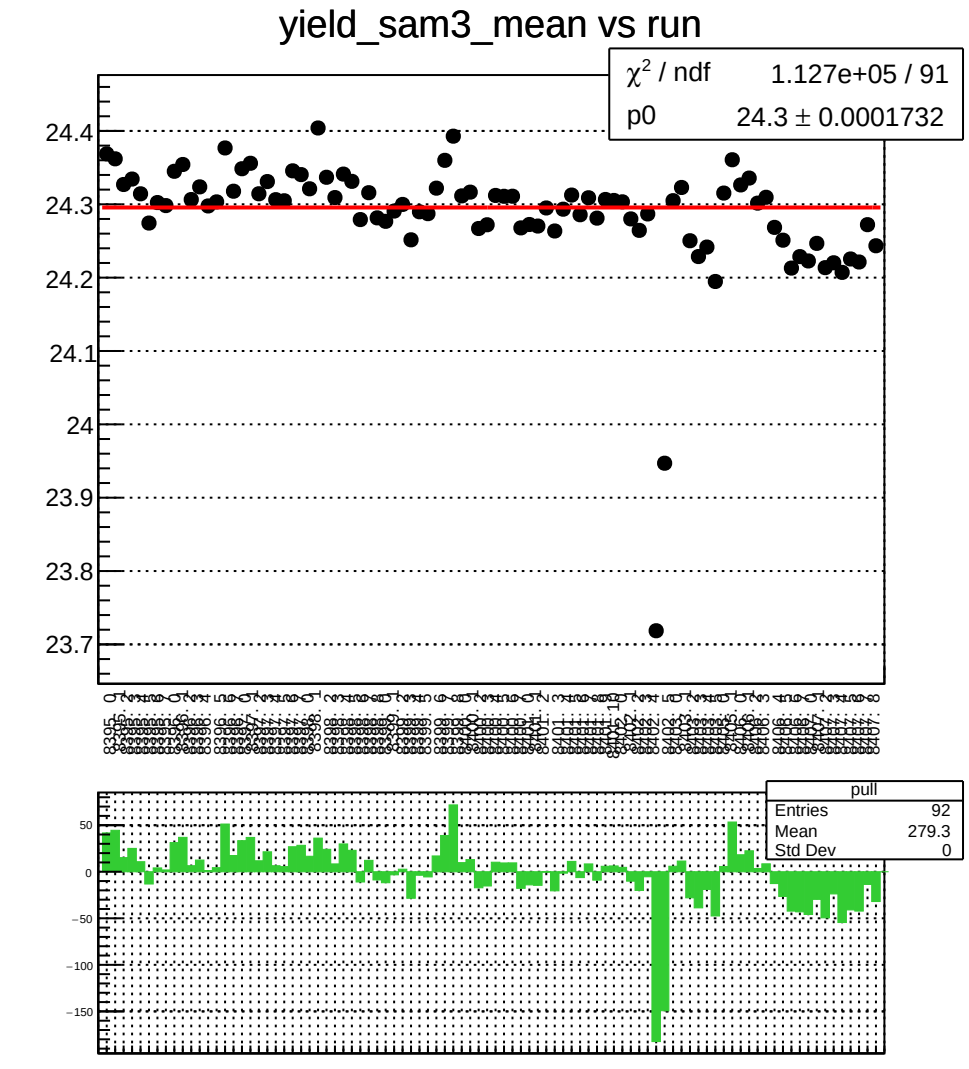

pull1D
Entries 92
Mean 4.234
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

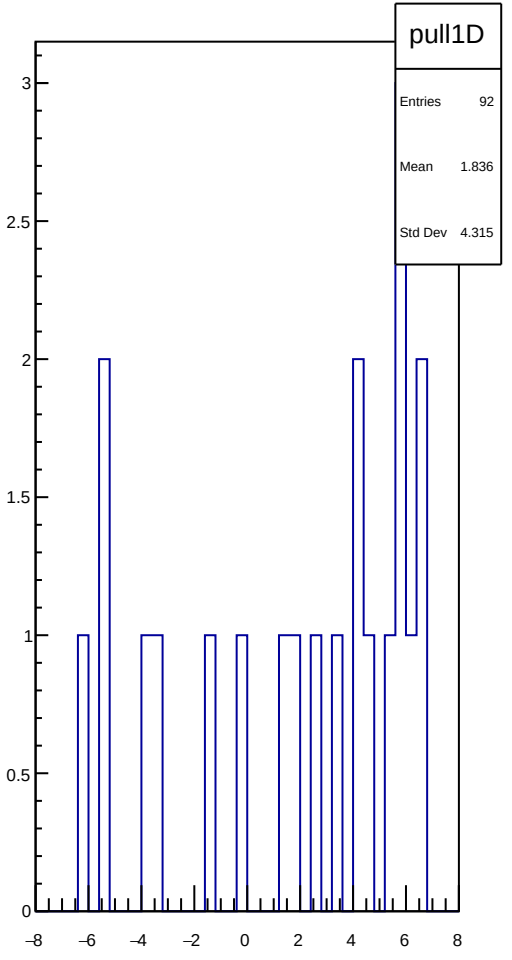

yield_sam1_rms vs run
χ² / ndf 6.438e+04 / 91
p0 0.009647 ± 7.489e−06
0.05
0.04
0.03
0.02
0.01

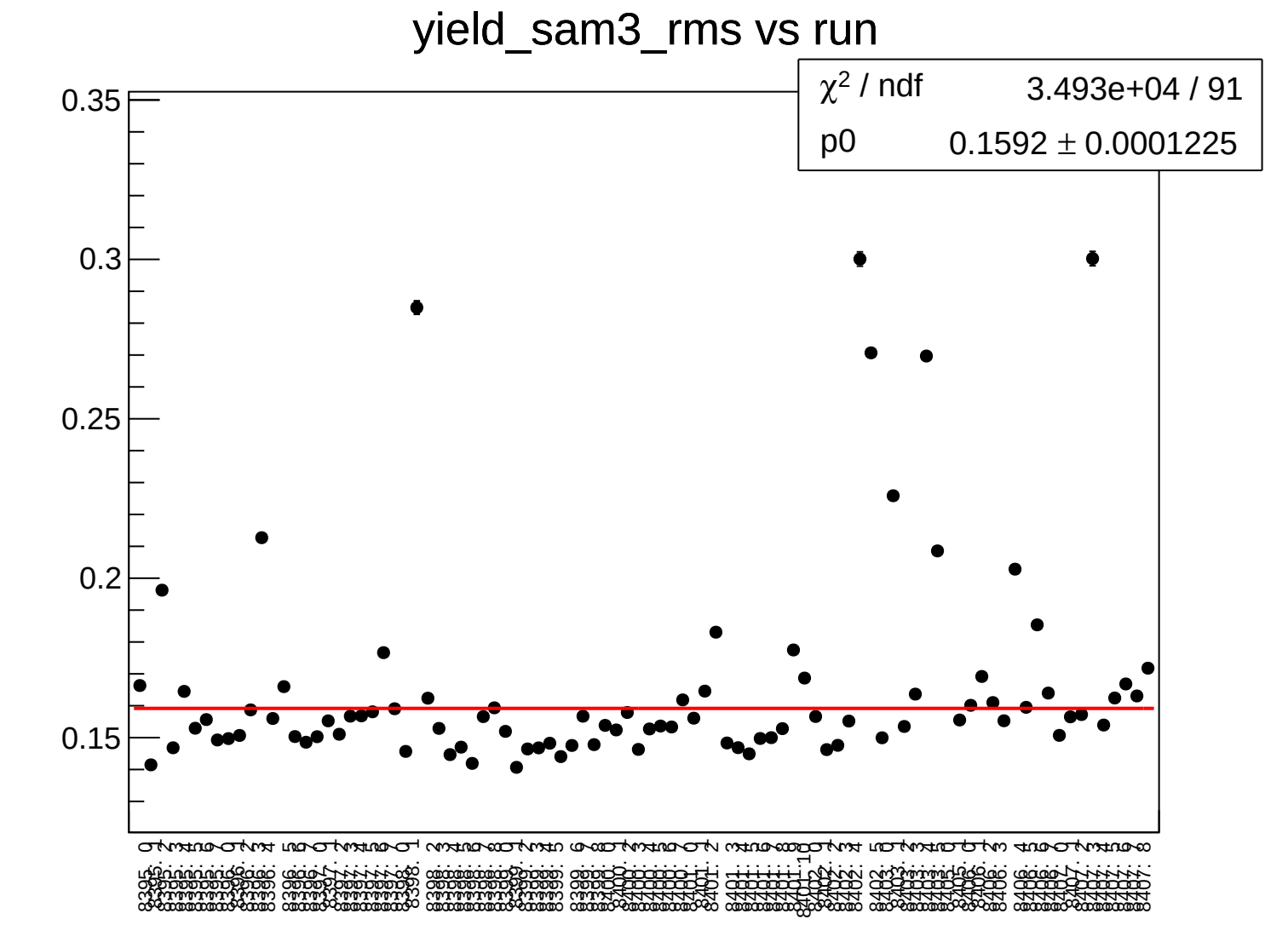

yield_sam2_mean vs run
χ² / ndf 8.437e+04 / 91
p0 25.42 ± 0.000234
25.6
25.4
25.2
25
24.8
24.6
24.4
pull
Entries 92
Mean −38.71
Std Dev 0
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160

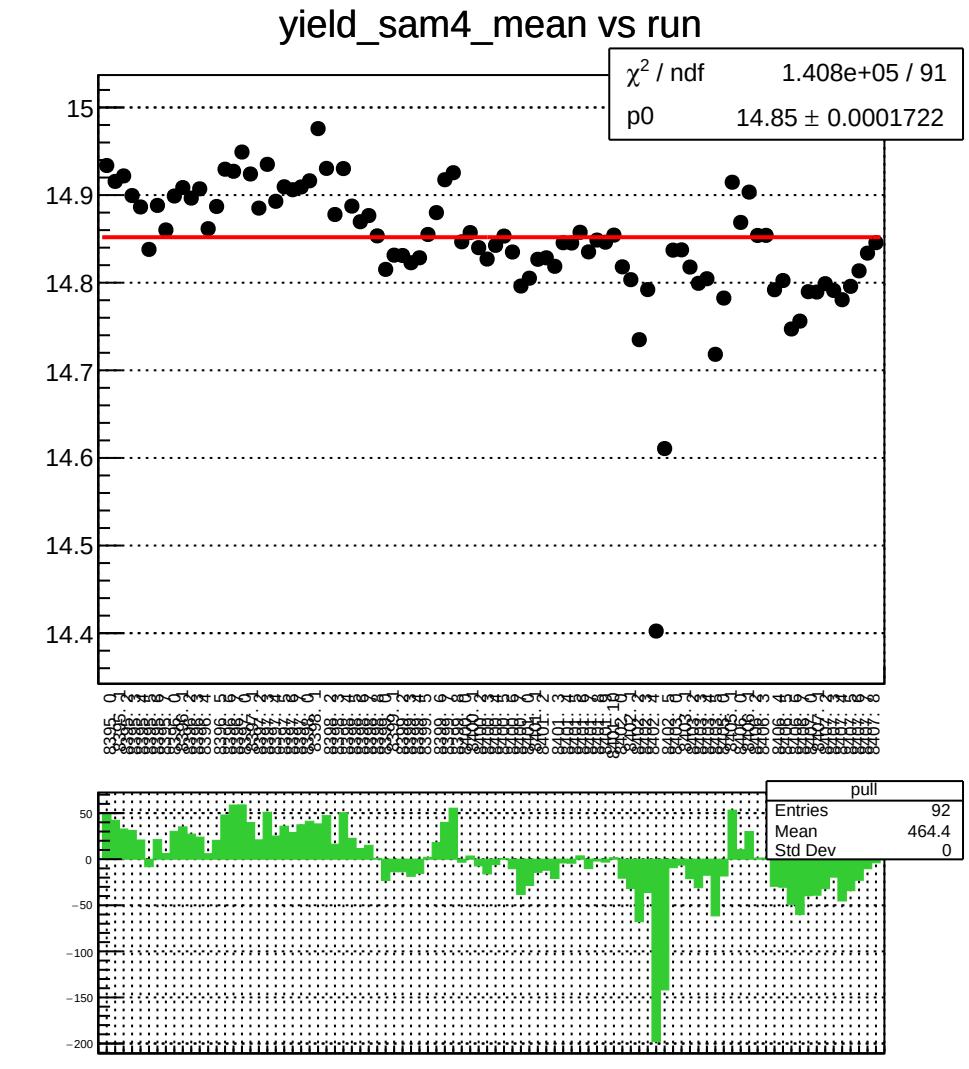

pull1D
Entries 92
Mean −0.8697
Std Dev 4.409
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

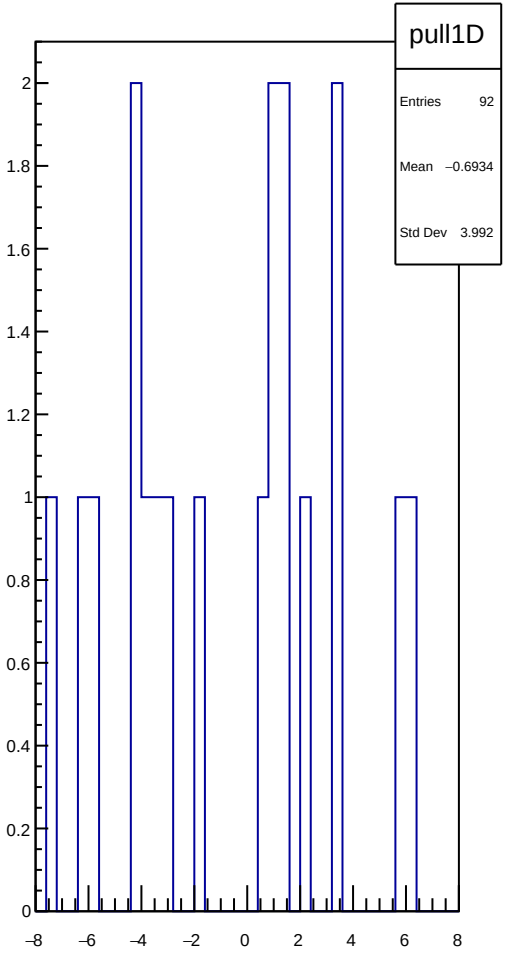

yield_sam2_rms vs run
χ² / ndf 4.688e+04 / 91
p0 0.2142 ± 0.0001654
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15

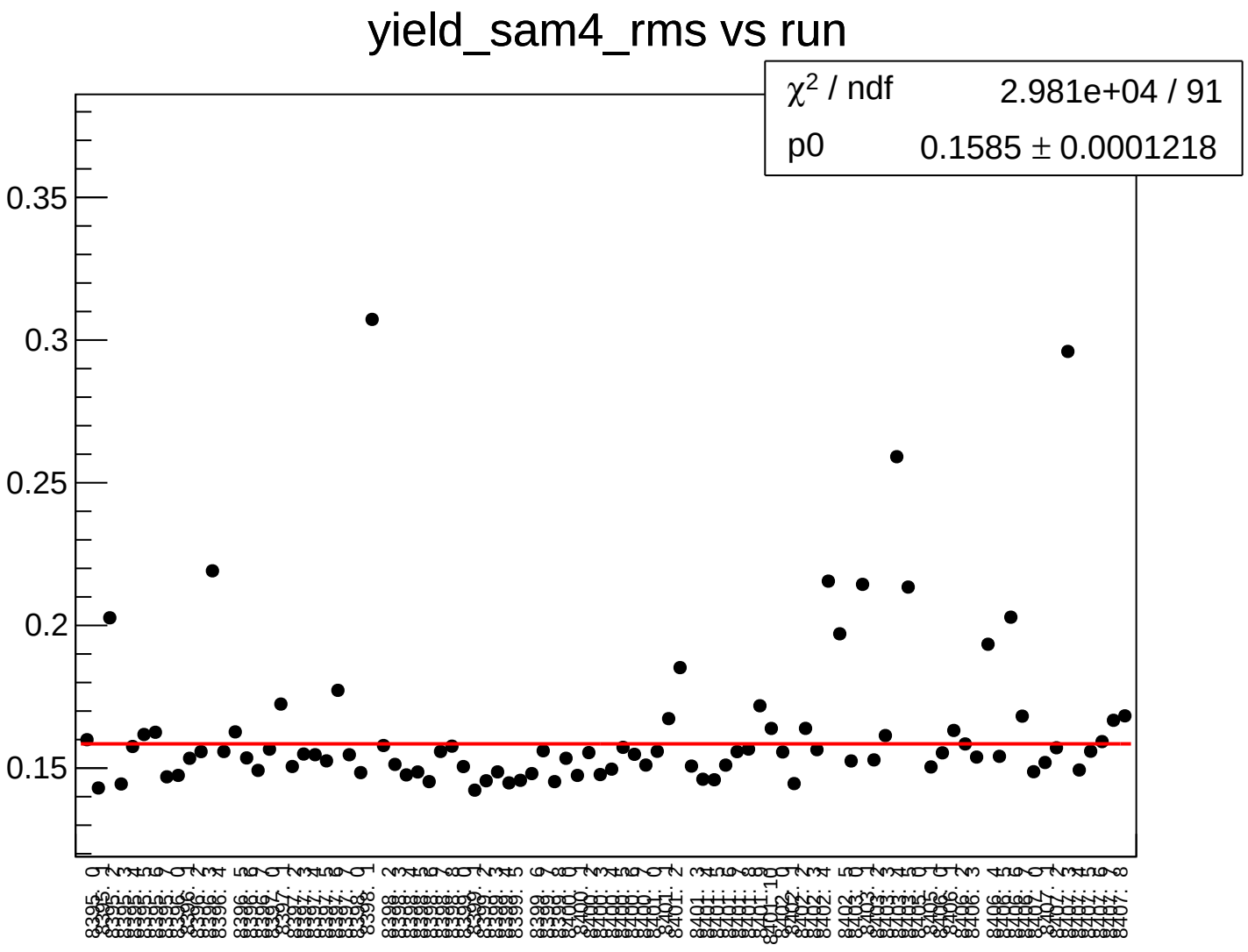

yield_sam3_mean vs run
χ² / ndf 1.127e+05 / 91
p0 24.3 ± 0.0001732
24.4
24.3
24.2
24.1
24
23.9
23.8
23.7
pull
Entries 92
Mean 279.3
Std Dev 0
50
0
−50
−100
−150

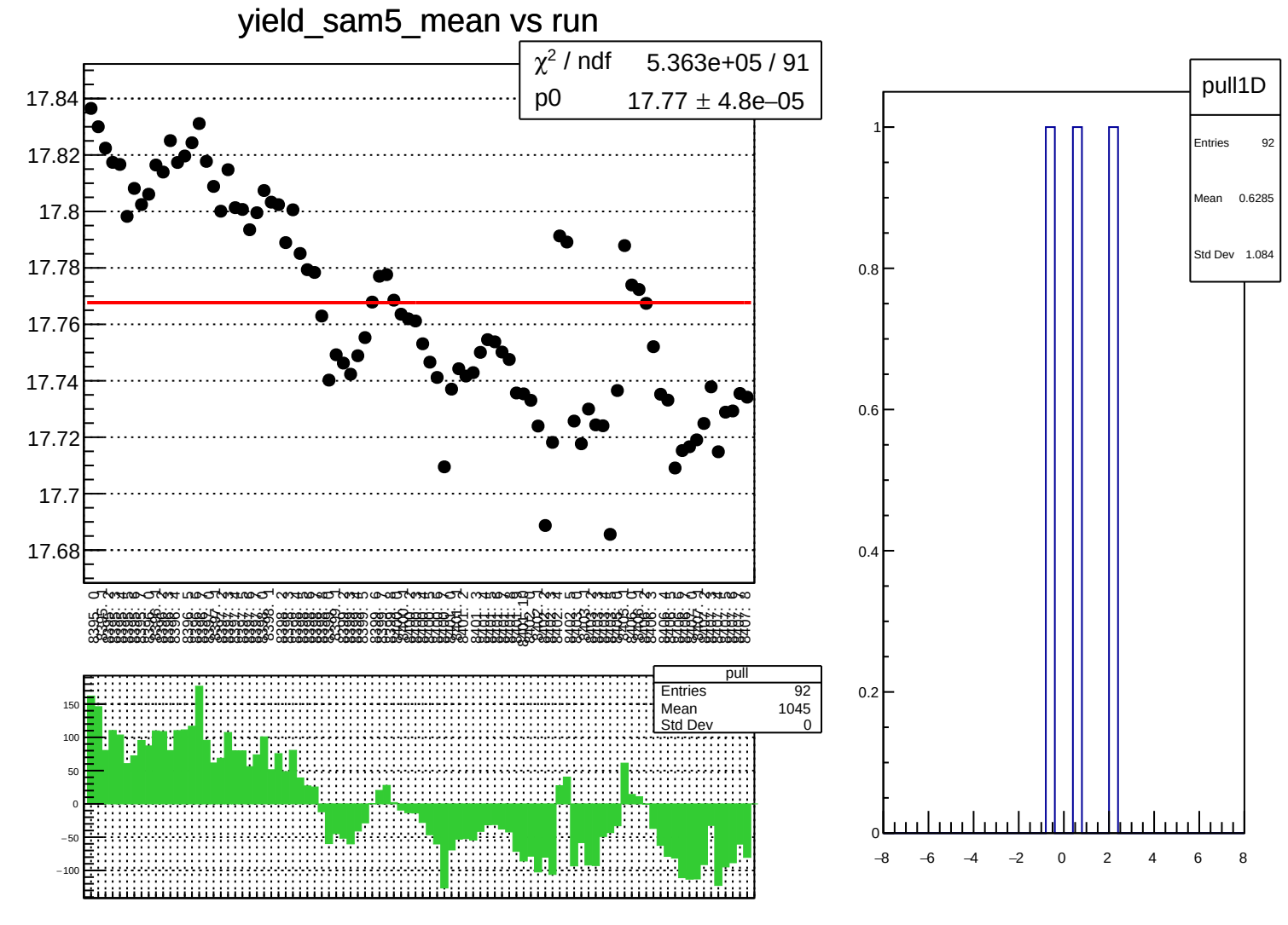

pull1D
Entries 92
Mean 1.836
Std Dev 4.315
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

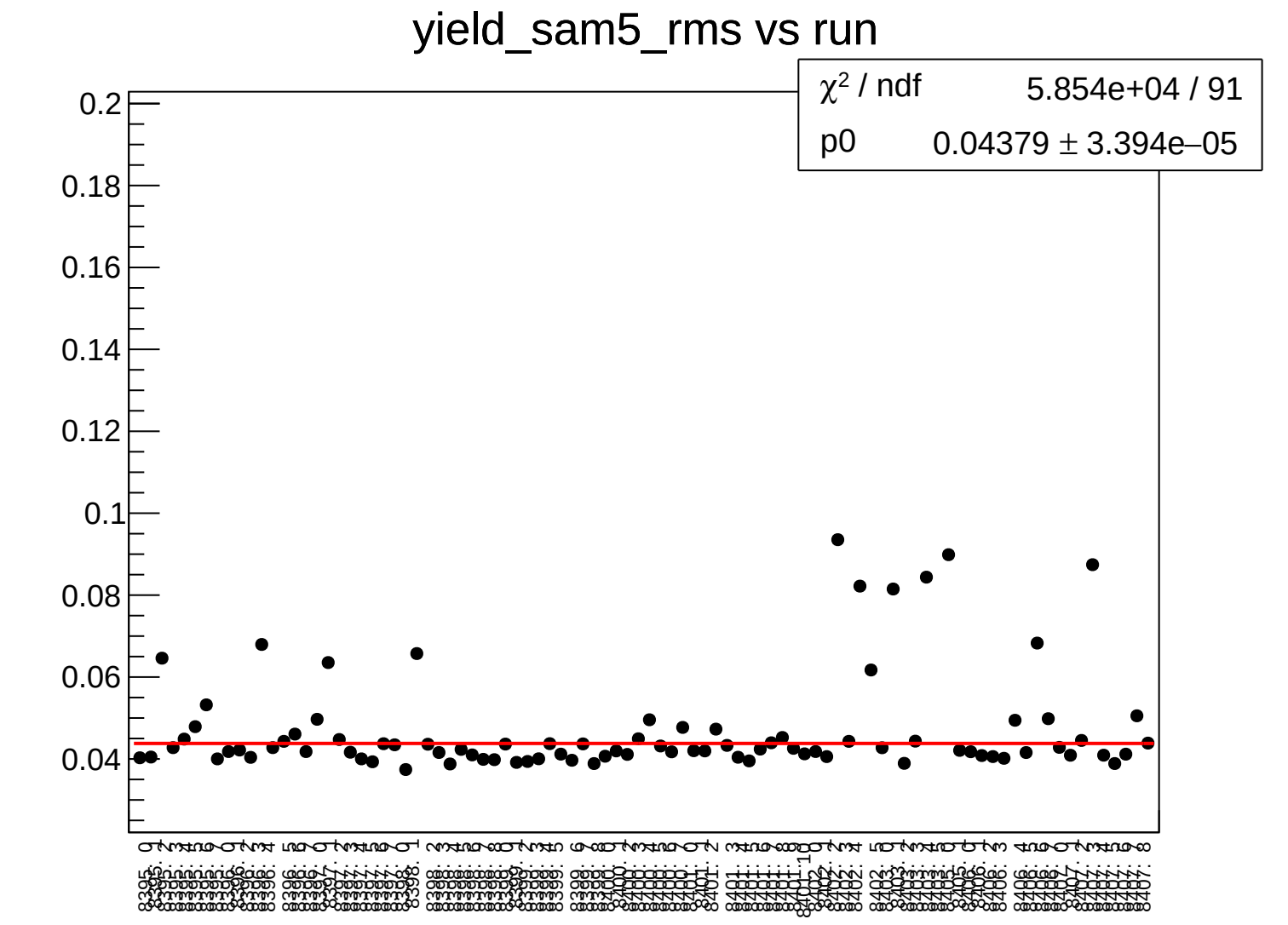

yield_sam3_rms vs run
χ² / ndf 3.493e+04 / 91
p0 0.1592 ± 0.0001225
0.35
0.3
0.25
0.2
0.15

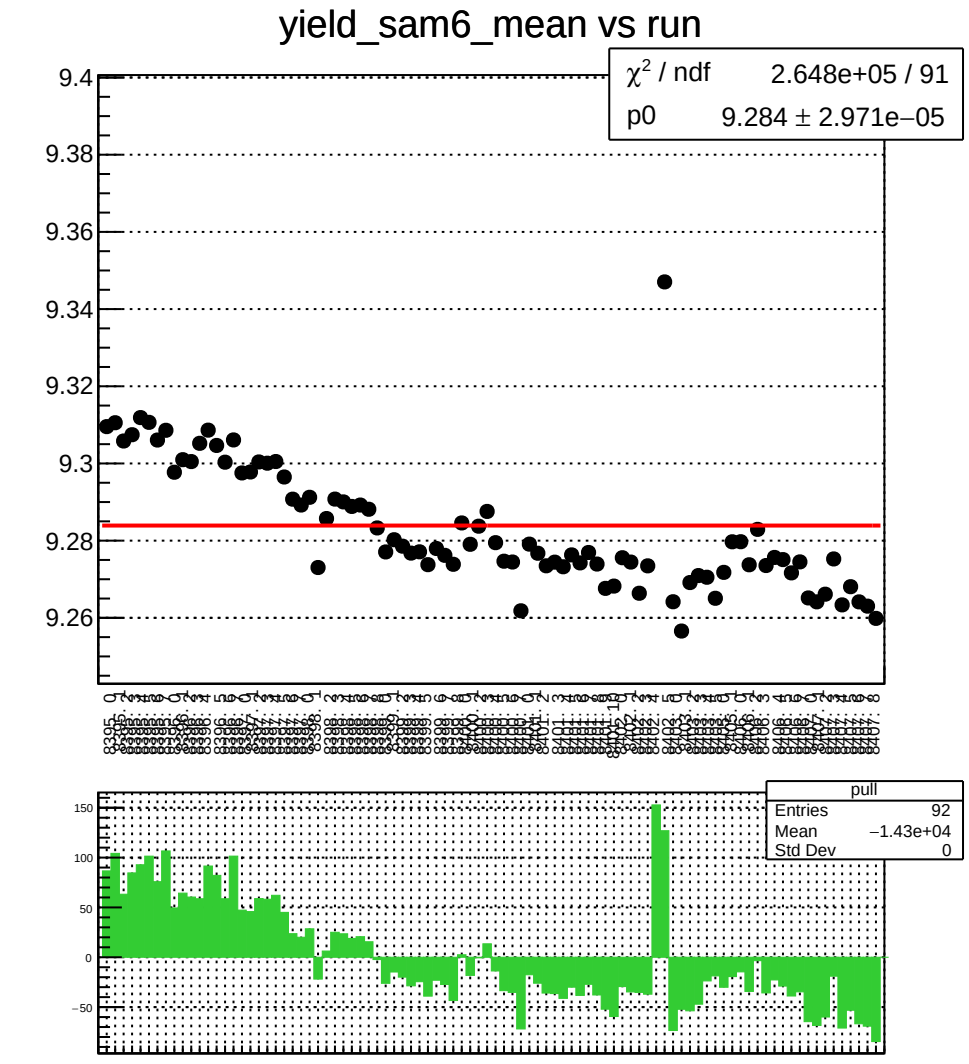

yield_sam4_mean vs run
χ² / ndf 1.408e+05 / 91
p0 14.85 ± 0.0001722
15
14.9
14.8
14.7
14.6
14.5
14.4
pull
Entries 92
Mean 464.4
Std Dev 0
50
0
−50
−100
−150
−200

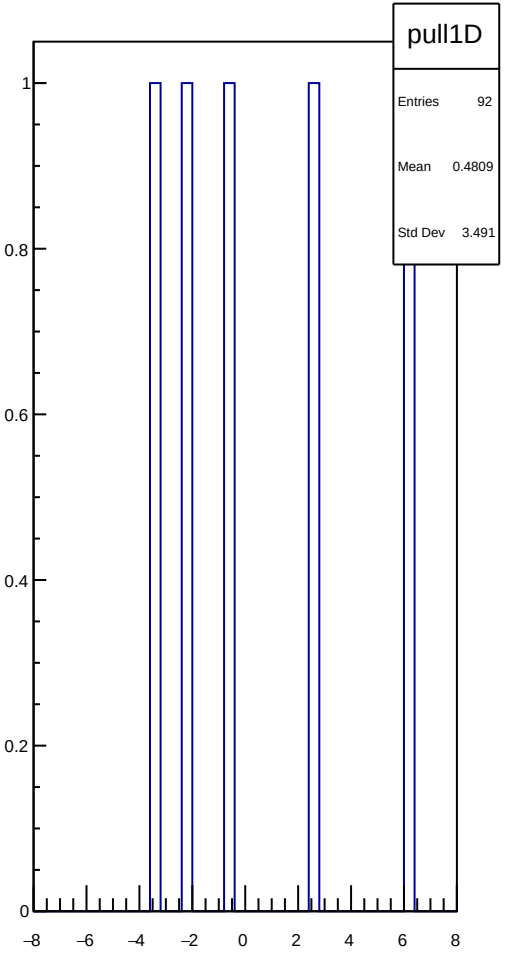

pull1D
Entries 92
Mean −0.6934
Std Dev 3.992
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

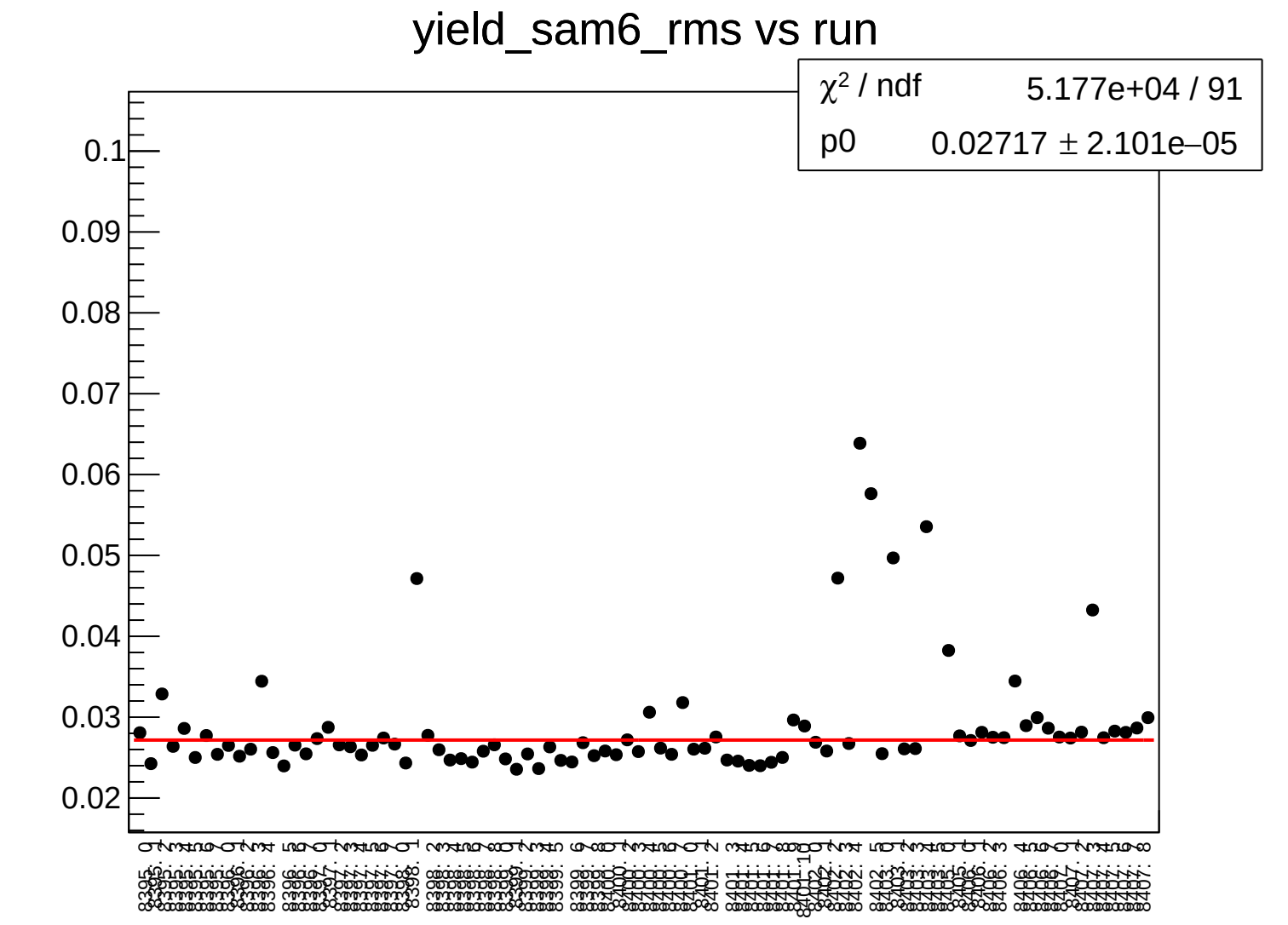

yield_sam4_rms vs run
χ² / ndf 2.981e+04 / 91
p0 0.1585 ± 0.0001218
0.35
0.3
0.25
0.2
0.15

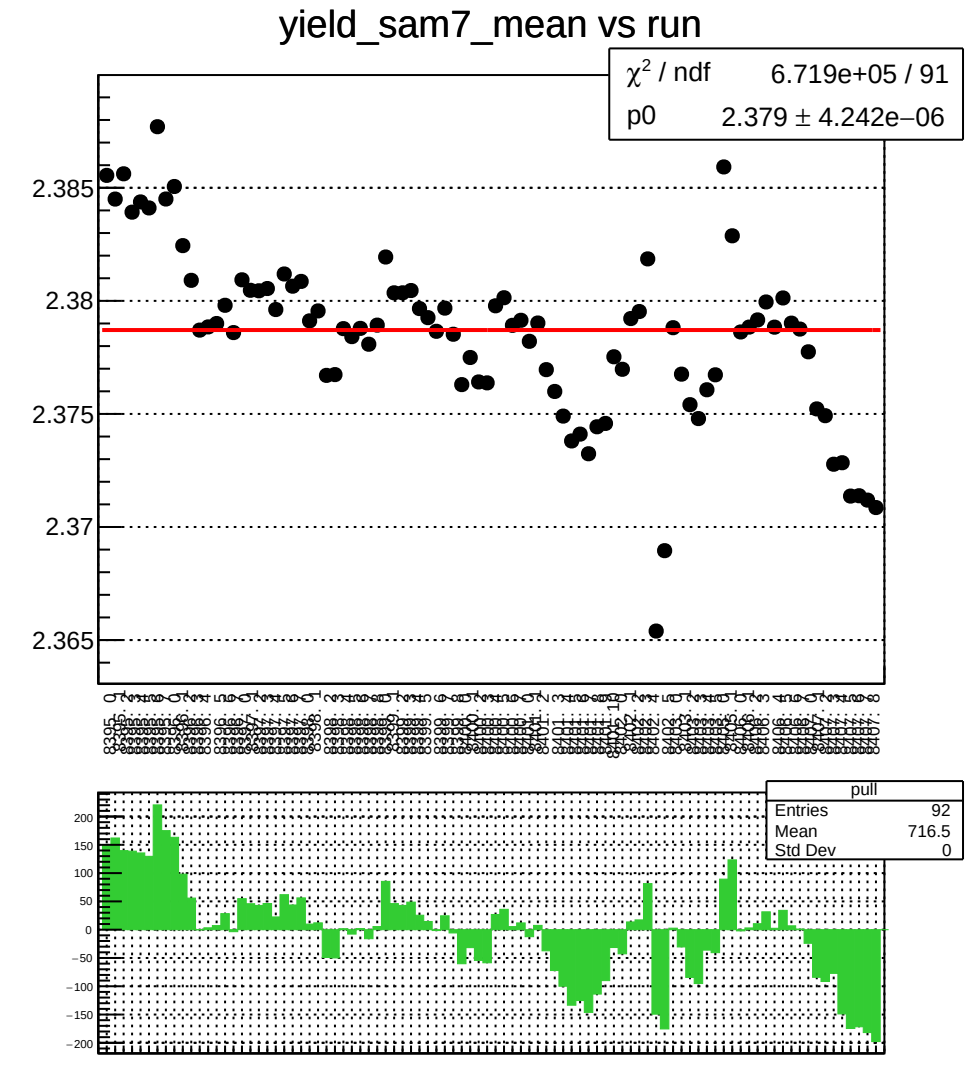

yield_sam5_mean vs run
χ² / ndf 5.363e+05 / 91
p0 17.77 ± 4.8e–05
17.84
17.82
17.8
17.78
17.76
17.74
17.72
17.7
17.68
pull
Entries 92
Mean 1045
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 92
Mean 0.6285
Std Dev 1.084
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

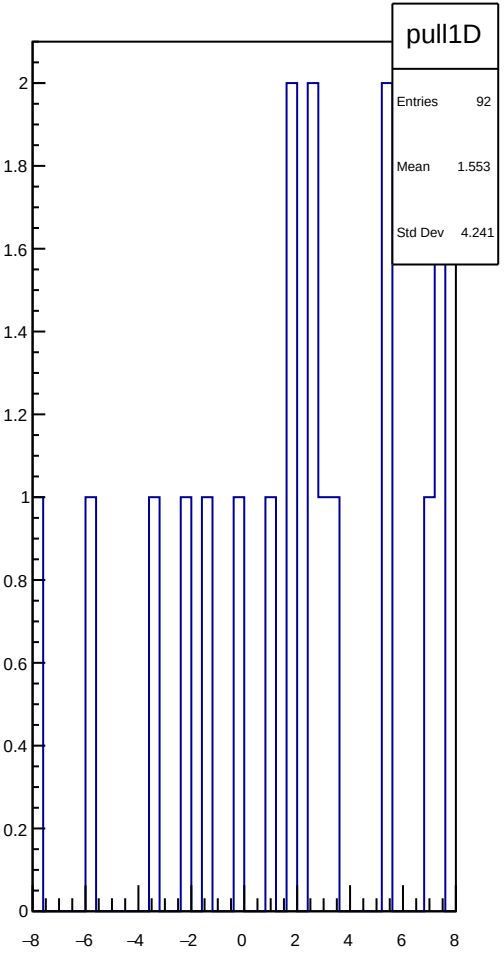

yield_sam5_rms vs run
χ² / ndf 5.854e+04 / 91
p0 0.04379 ± 3.394e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

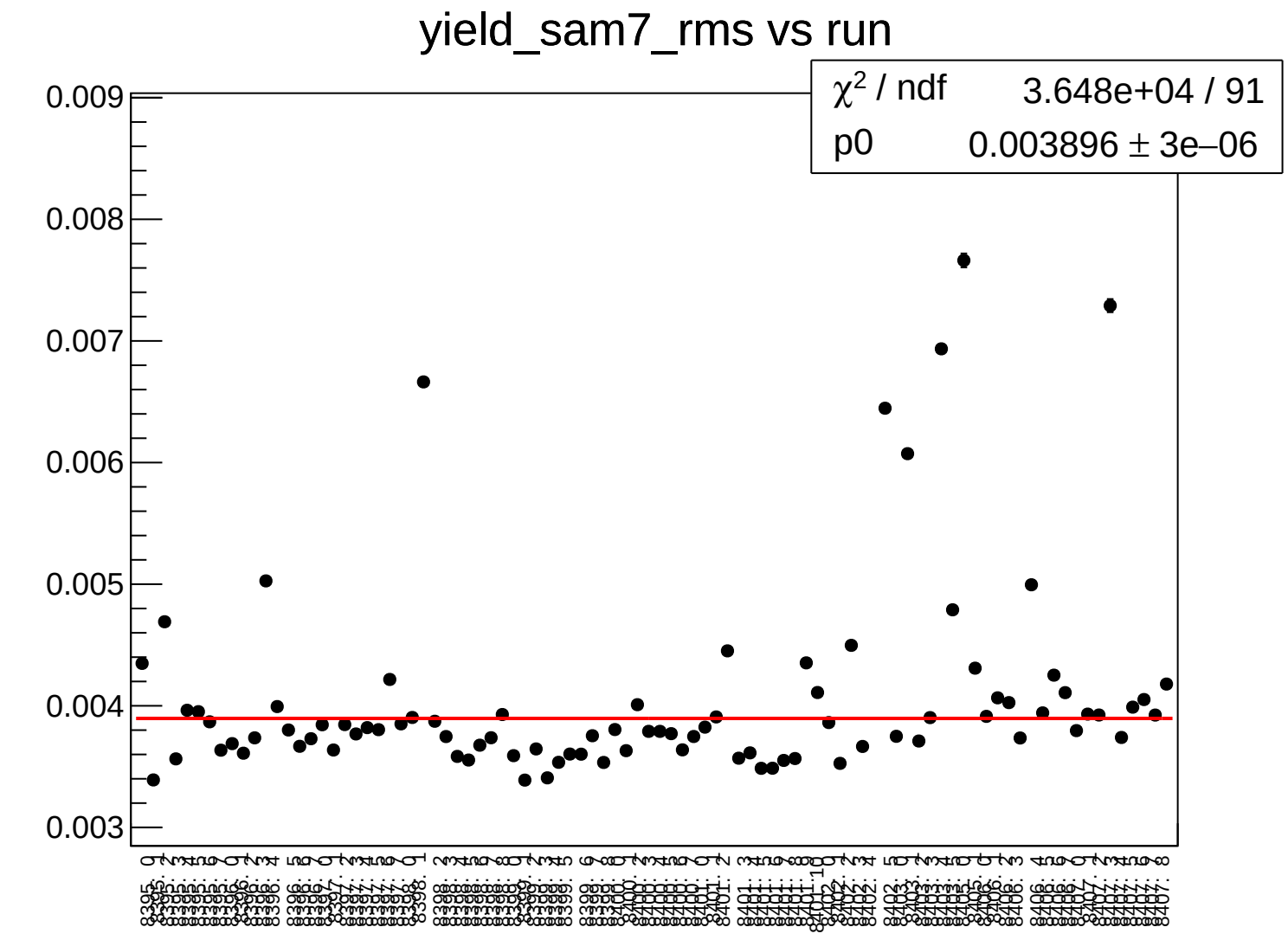

yield_sam6_mean vs run
χ² / ndf 2.648e+05 / 91
p0 9.284 ± 2.971e−05
9.4
9.38
9.36
9.34
9.32
9.3
9.28
9.26
pull
Entries 92
Mean −1.43e+04
Std Dev 0
150
100
50
0
−50

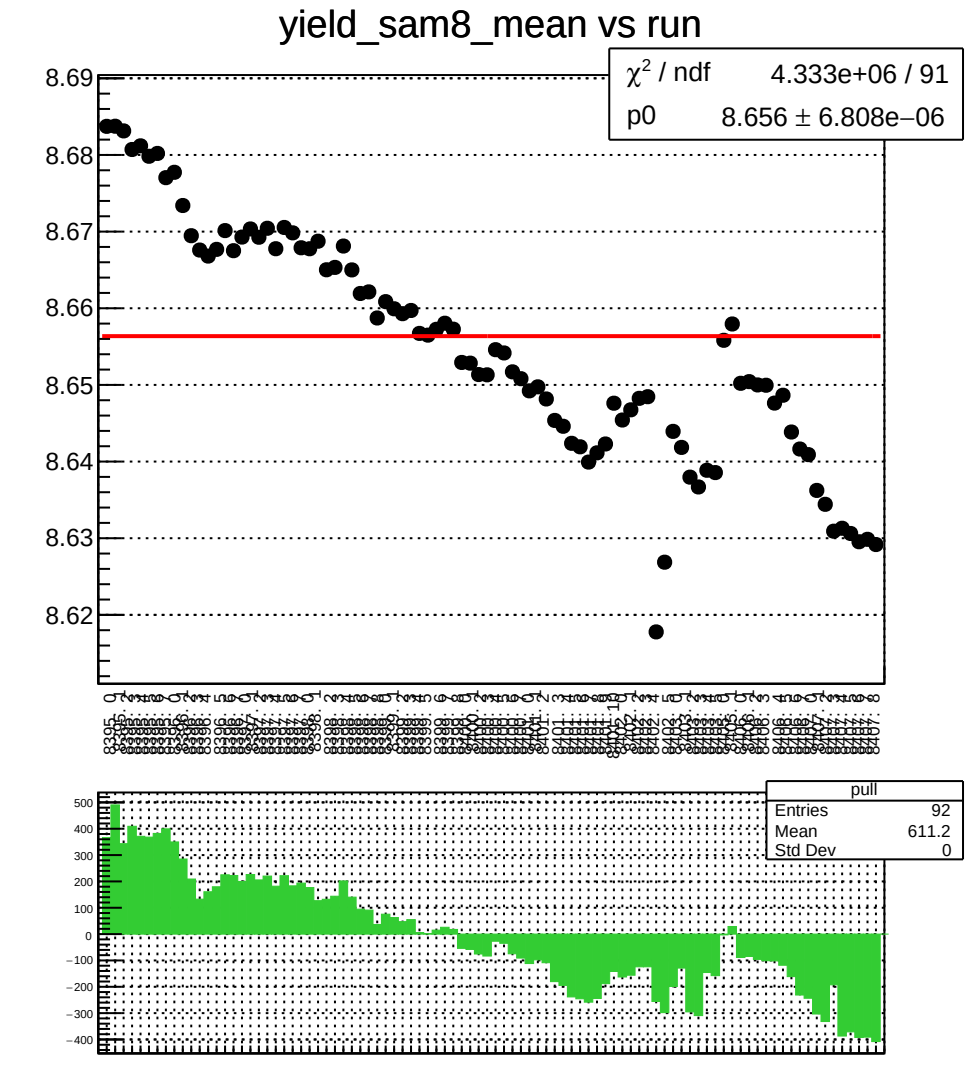

pull1D
Entries 92
Mean 0.4809
Std Dev 3.491
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

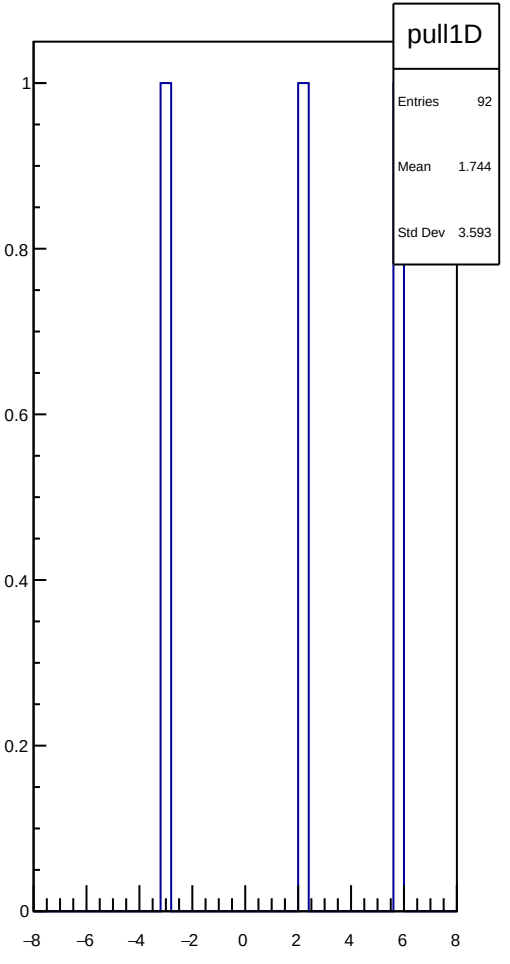

yield_sam6_rms vs run
χ² / ndf 5.177e+04 / 91
p0 0.02717 ± 2.101e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

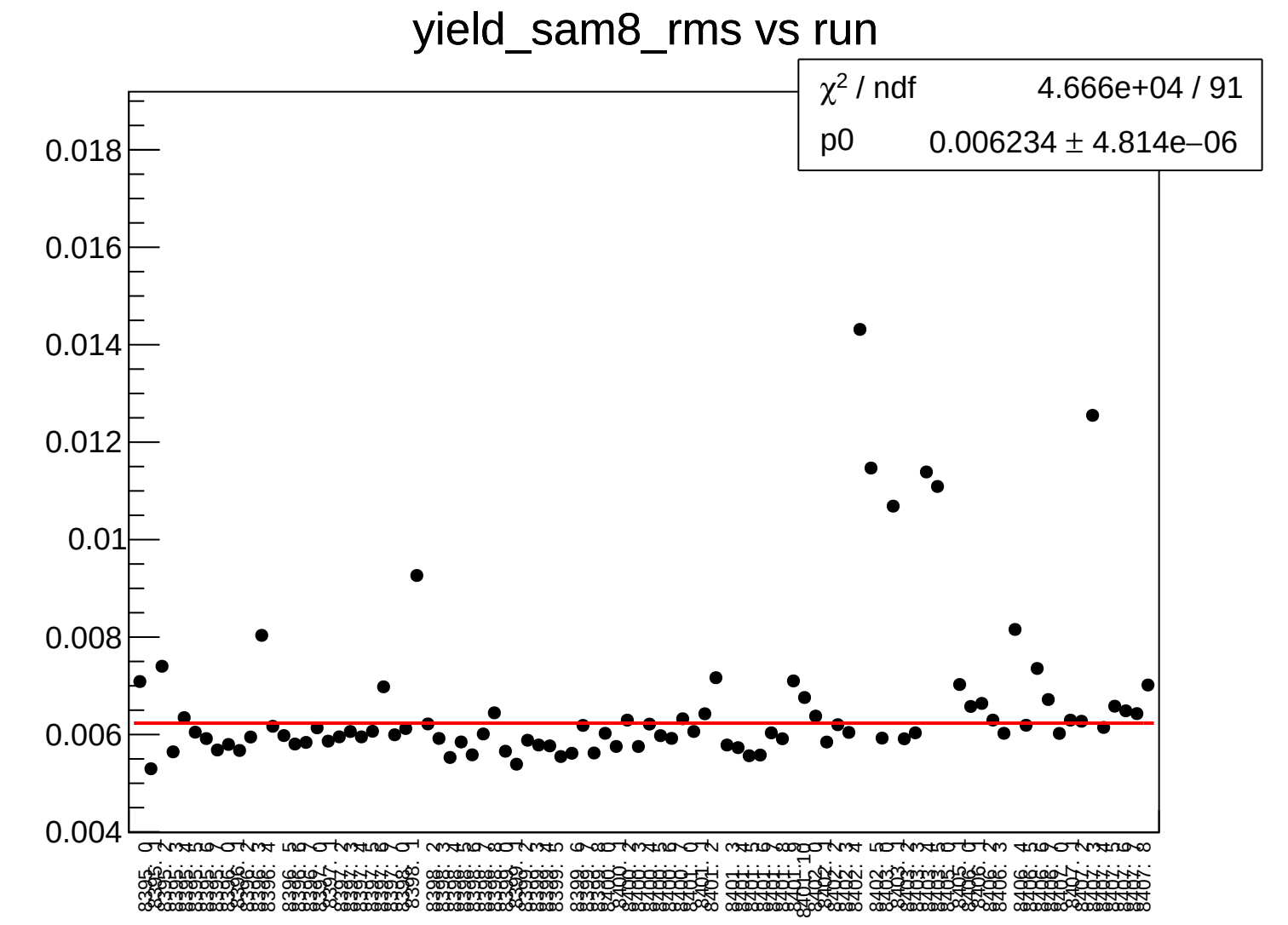

yield_sam7_mean vs run
χ² / ndf 6.719e+05 / 91
p0 2.379 ± 4.242e−06
2.385
2.38
2.375
2.37
2.365
pull
Entries 92
Mean 716.5
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

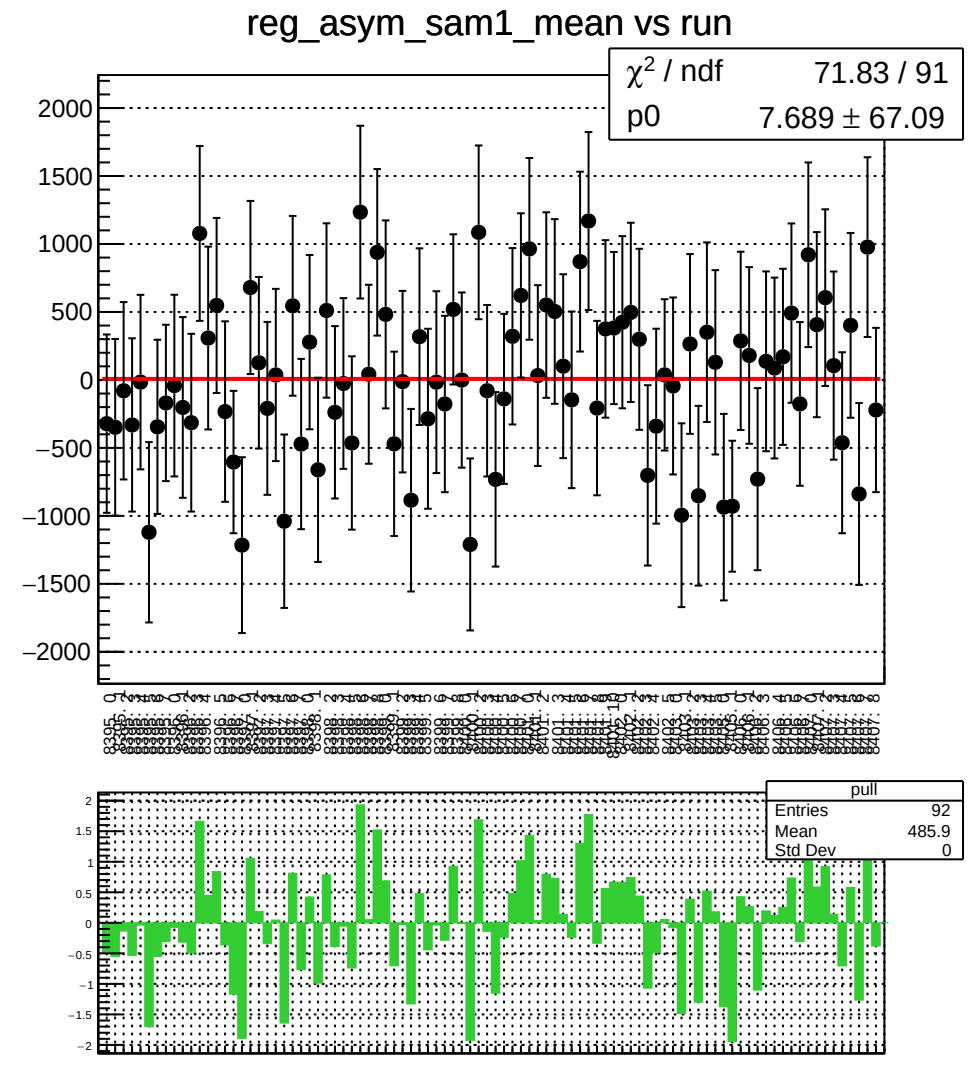

pull1D
Entries 92
Mean 1.553
Std Dev 4.241
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

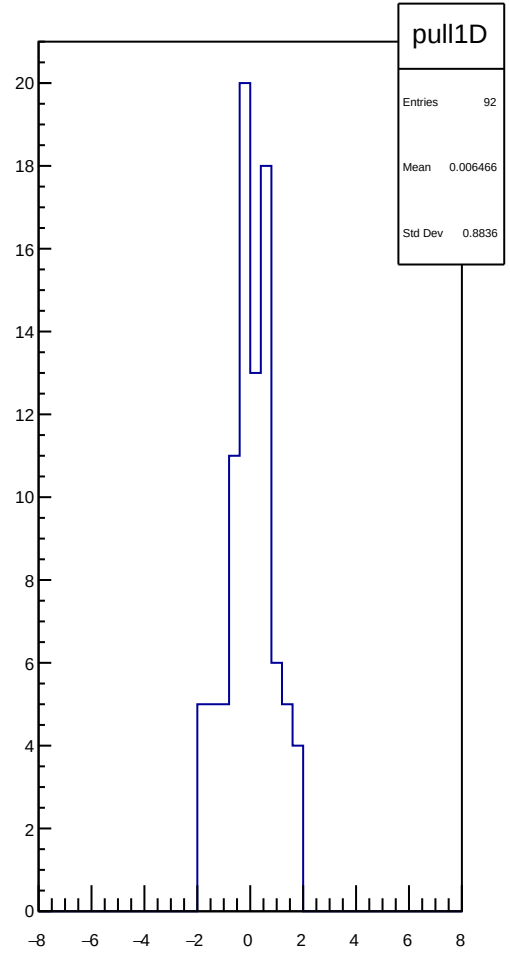

yield_sam7_rms vs run
χ² / ndf 3.648e+04 / 91
p0 0.003896 ± 3e–06
0.009
0.008
0.007
0.006
0.005
0.004
0.003

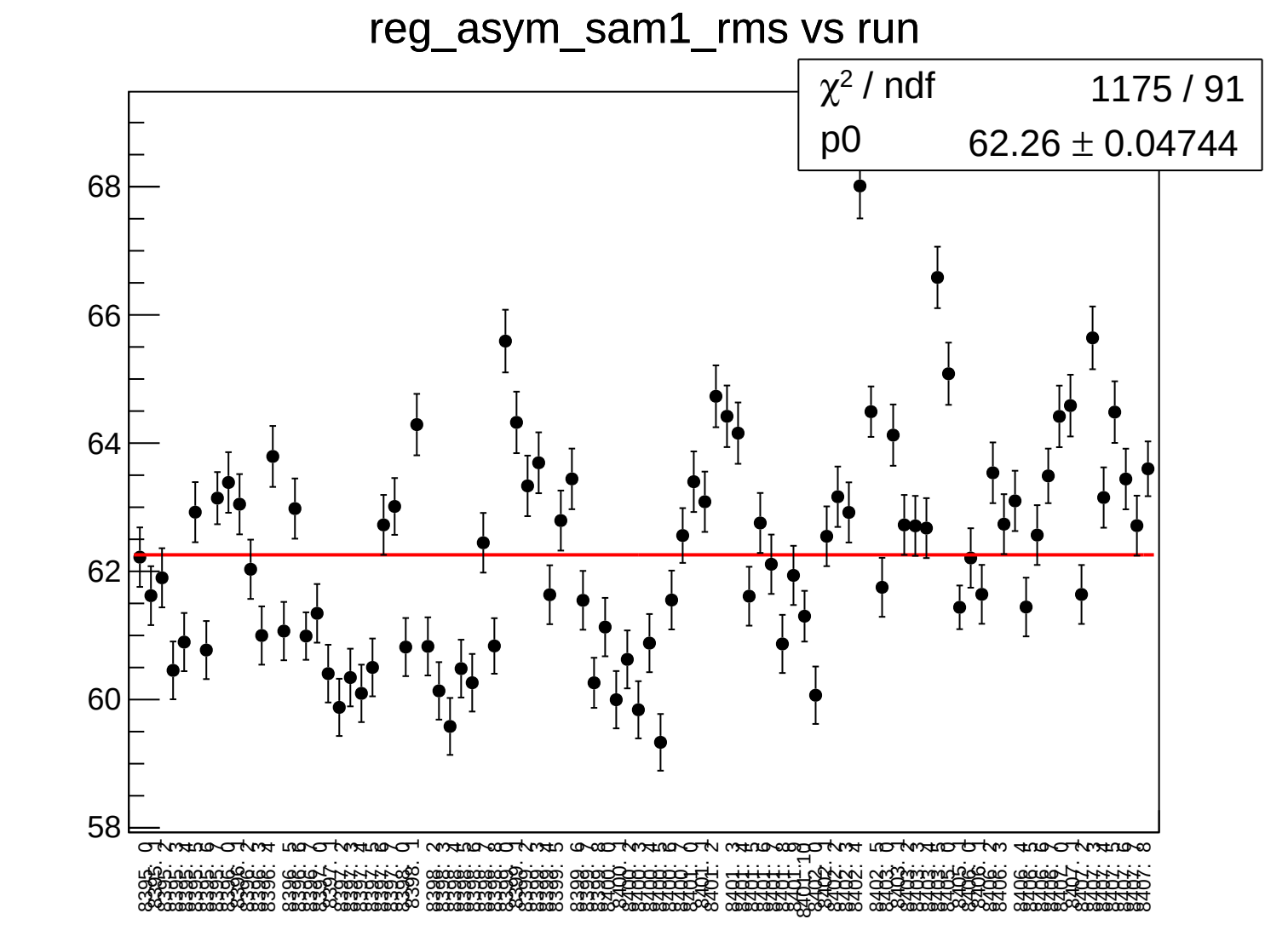

yield_sam8_mean vs run
χ² / ndf 4.333e+06 / 91
p0 8.656 ± 6.808e−06
8.69
8.68
8.67
8.66
8.65
8.64
8.63
8.62
pull
Entries 92
Mean 611.2
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

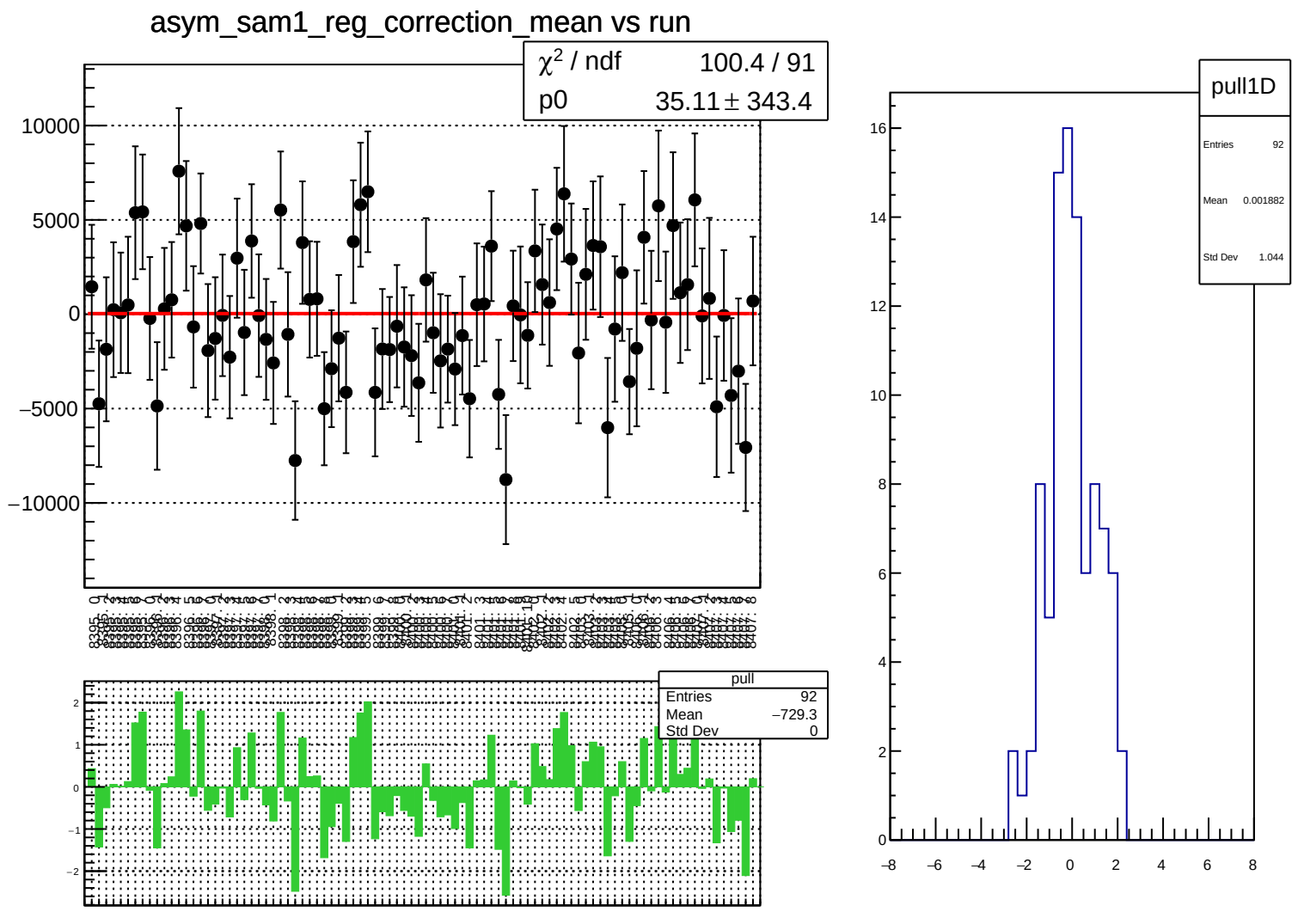

pull1D
Entries 92
Mean 1.744
Std Dev 3.593
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

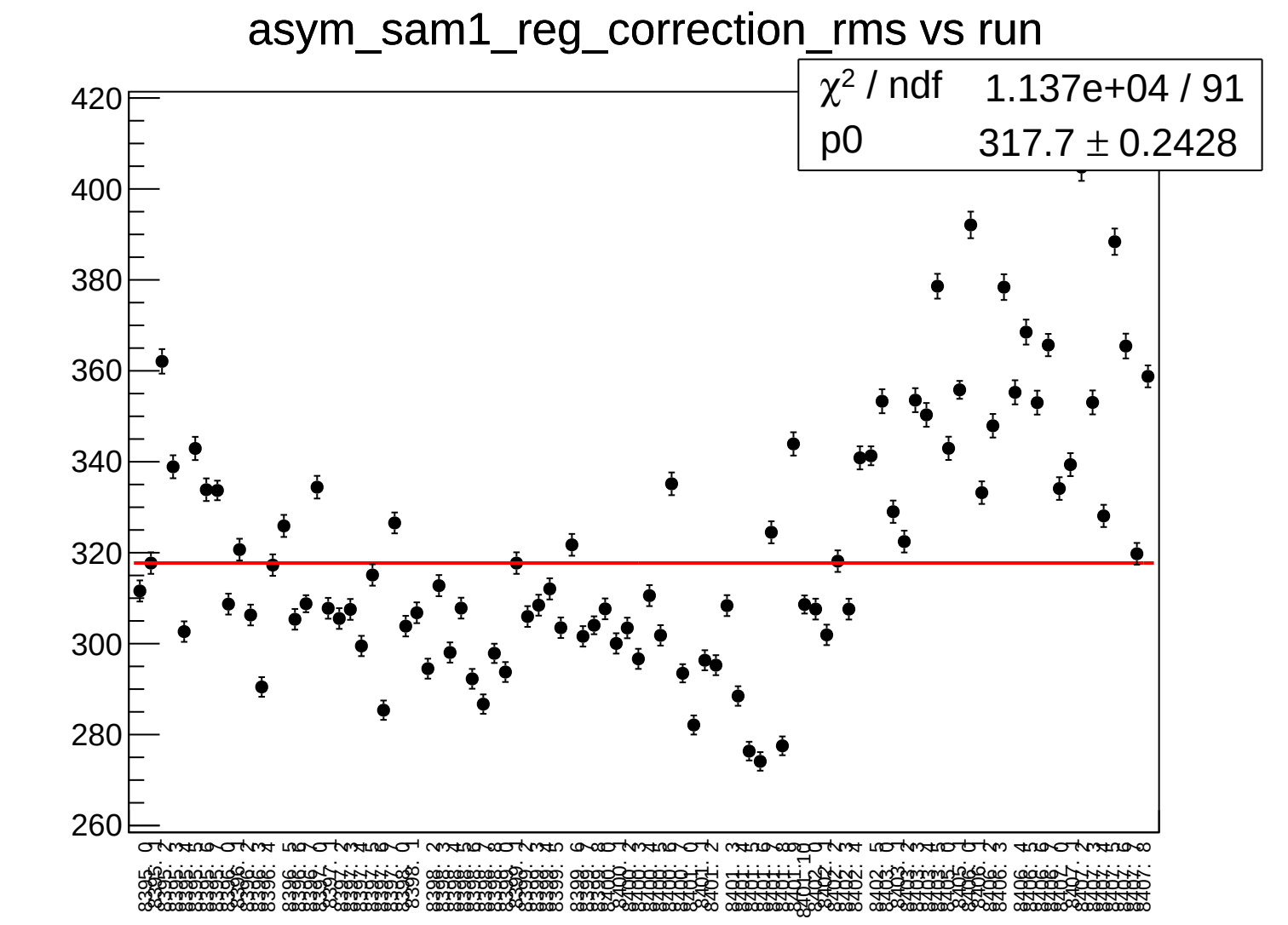

yield_sam8_rms vs run
χ² / ndf 4.666e+04 / 91
p0 0.006234 ± 4.814e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

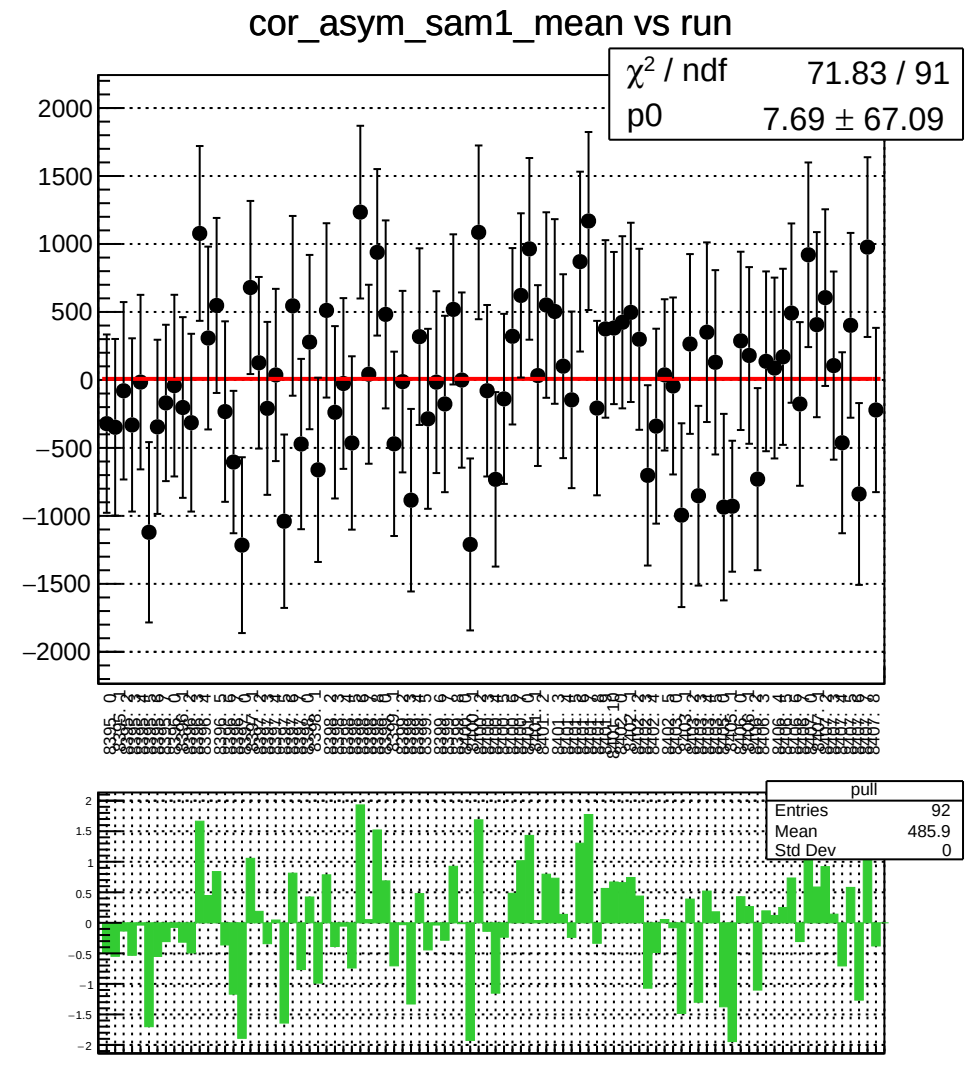

reg_asym_sam1_mean vs run
χ² / ndf 71.83 / 91
p0 7.689 ± 67.09
pull
Entries 92
Mean 485.9
Std Dev 0

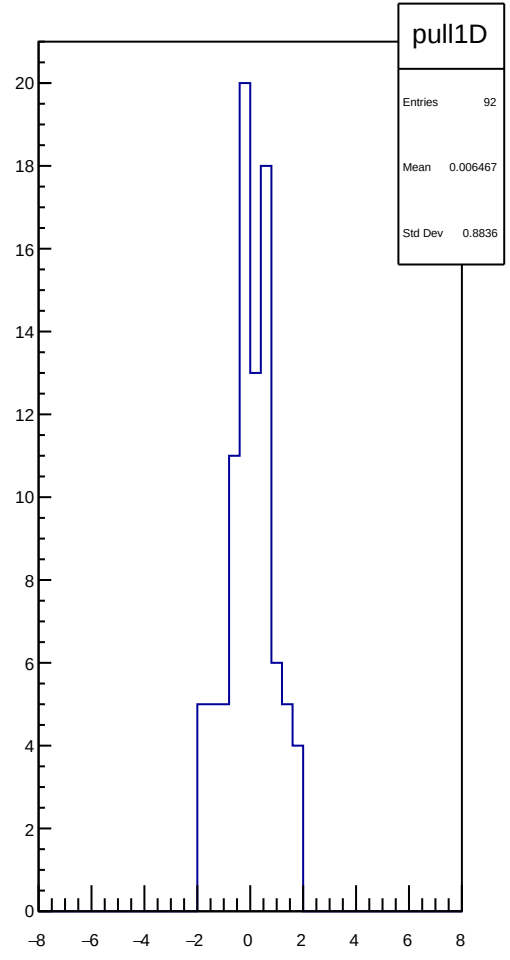

pull1D
Entries 92
Mean 0.006466
Std Dev 0.8836

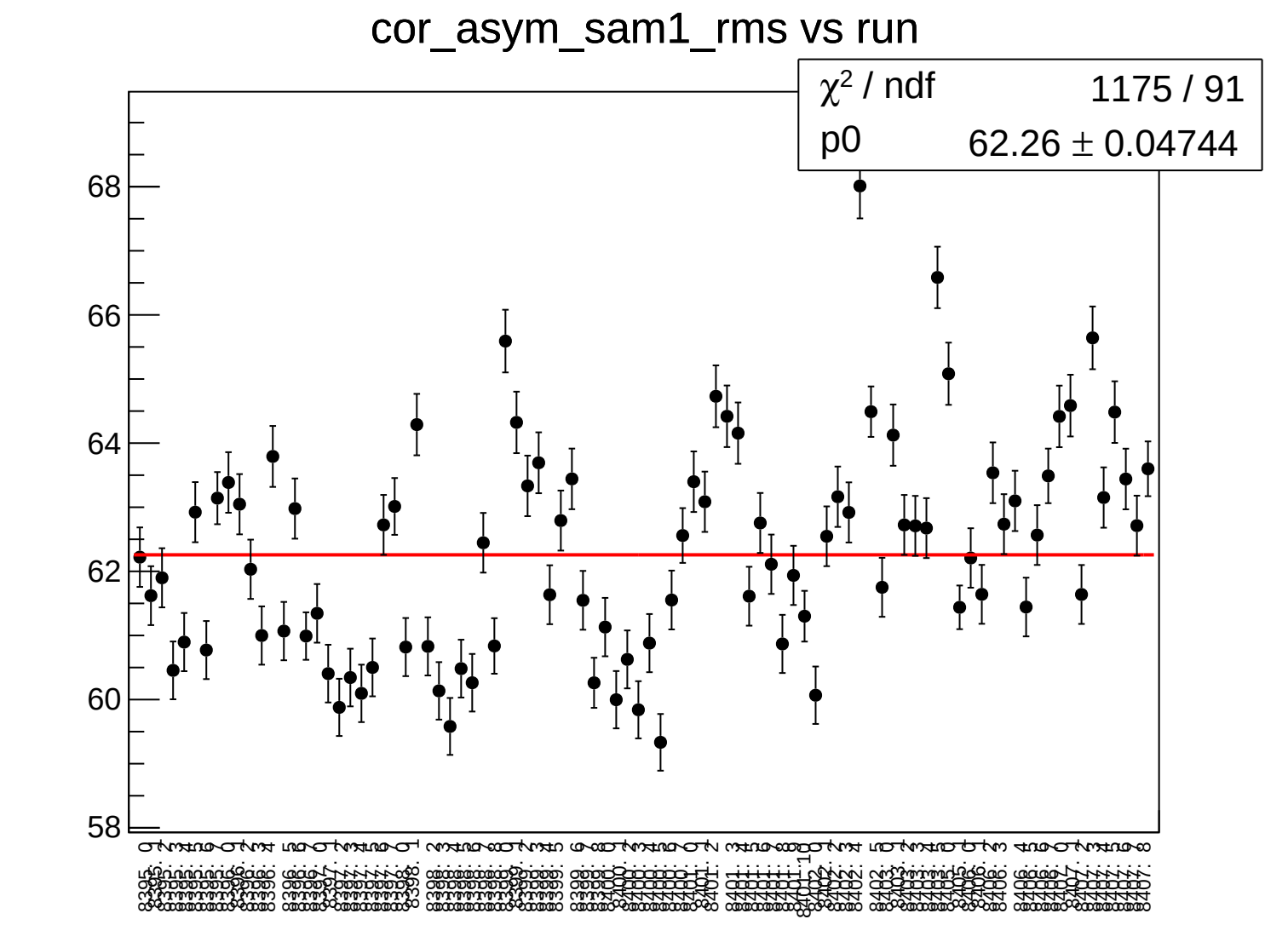

reg_asym_sam1_rms vs run
χ² / ndf 1175 / 91
p0 62.26 ± 0.04744
68
66
64
62
60
58

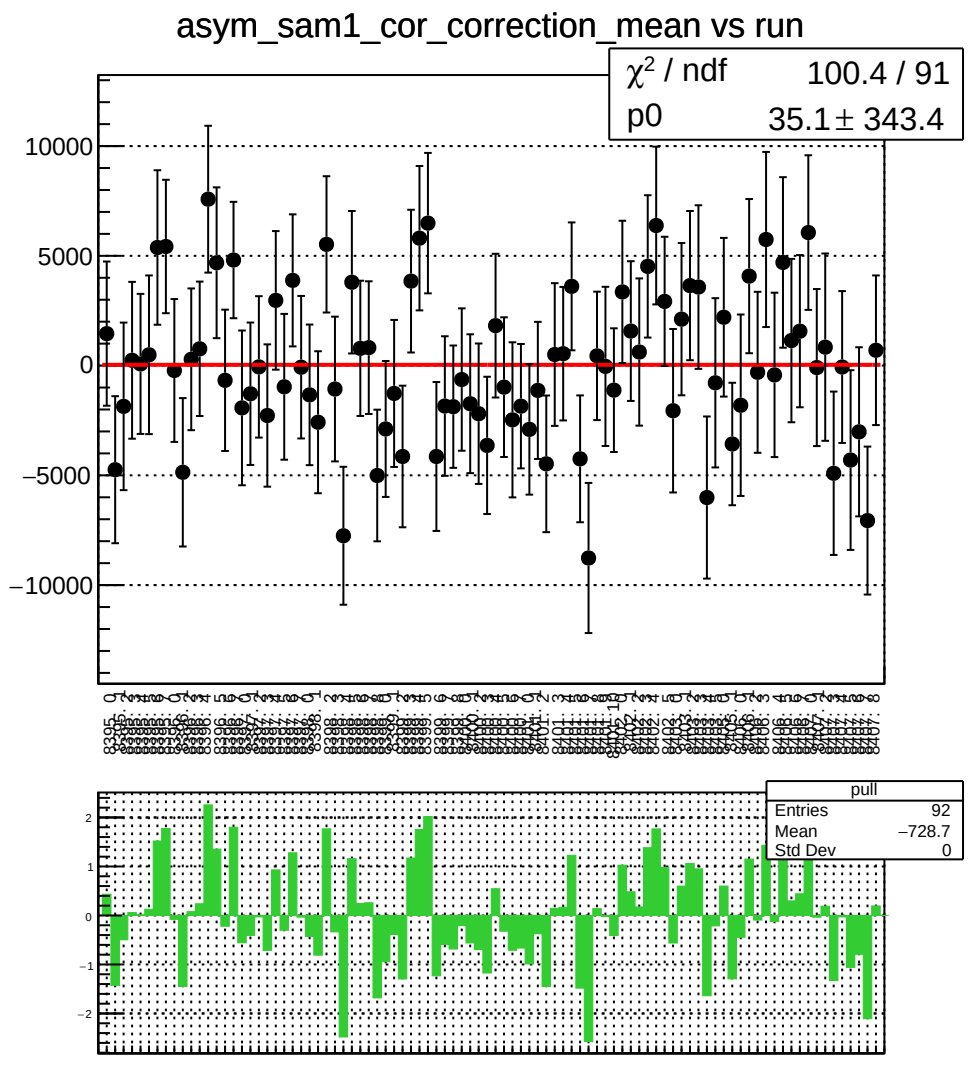

asym_sam1_reg_correction_mean vs run
χ² / ndf 100.4 / 91
p0 35.11 ± 343.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −729.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001882
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

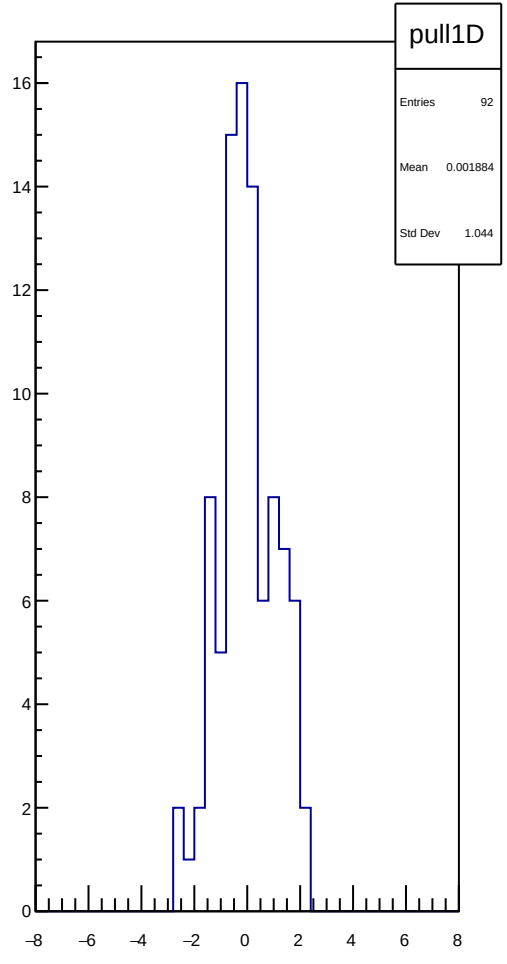

asym_sam1_reg_correction_rms vs run
χ² / ndf 1.137e+04 / 91
p0 317.7 ± 0.2428
420
400
380
360
340
320
300
280
260

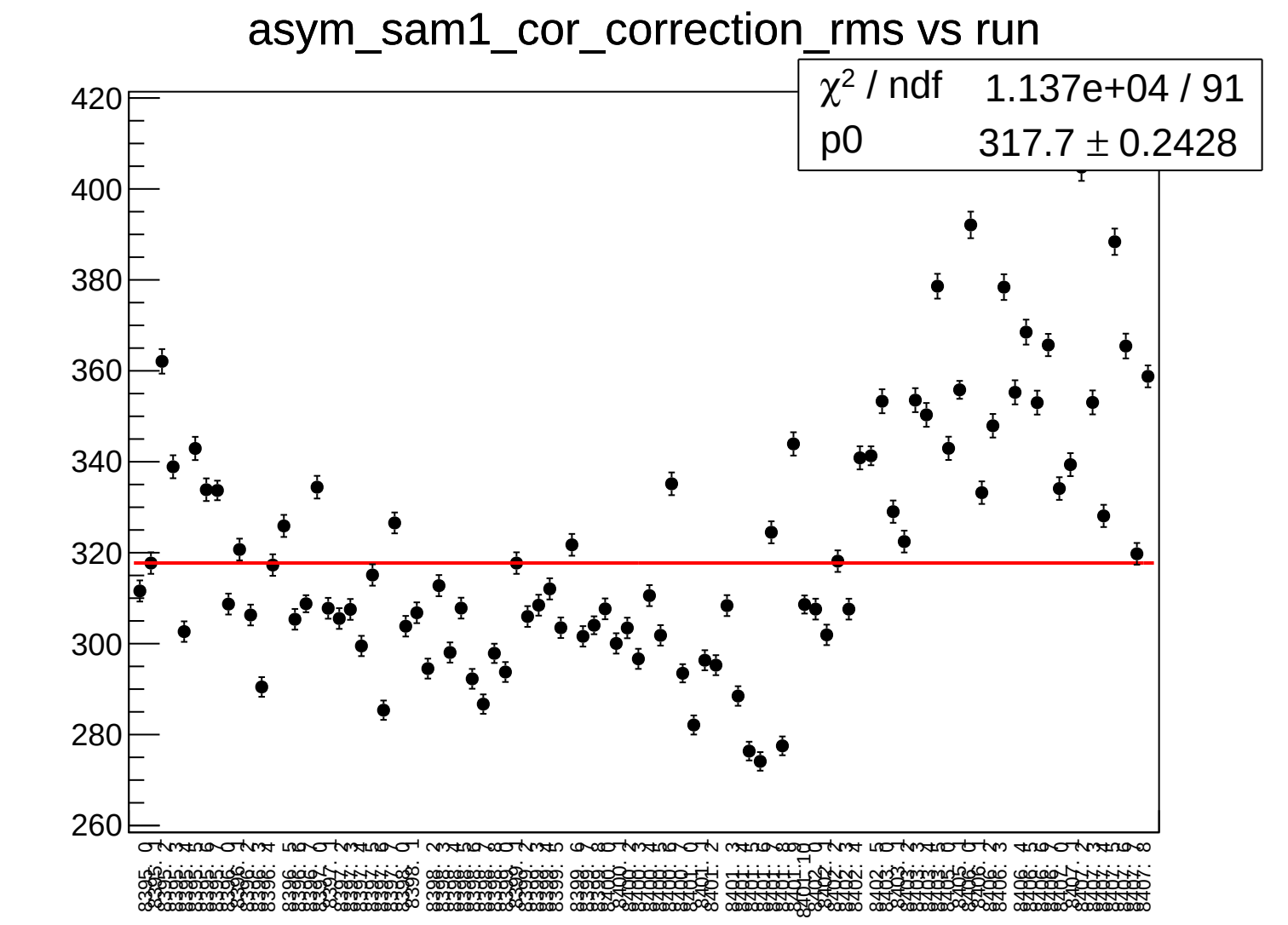

cor_asym_sam1_mean vs run
χ² / ndf 71.83 / 91
p0 7.69 ± 67.09
pull
Entries 92
Mean 485.9
Std Dev 0

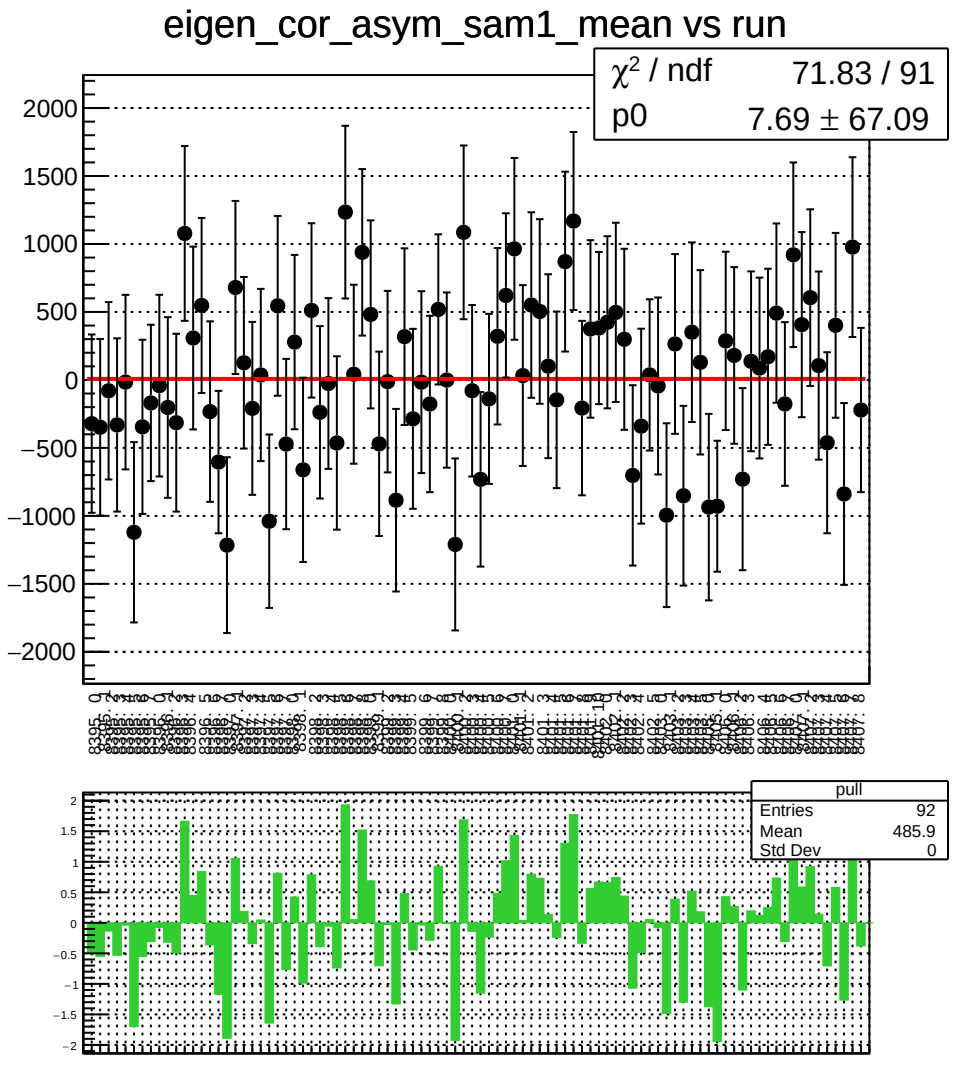

pull1D
Entries 92
Mean 0.006467
Std Dev 0.8836

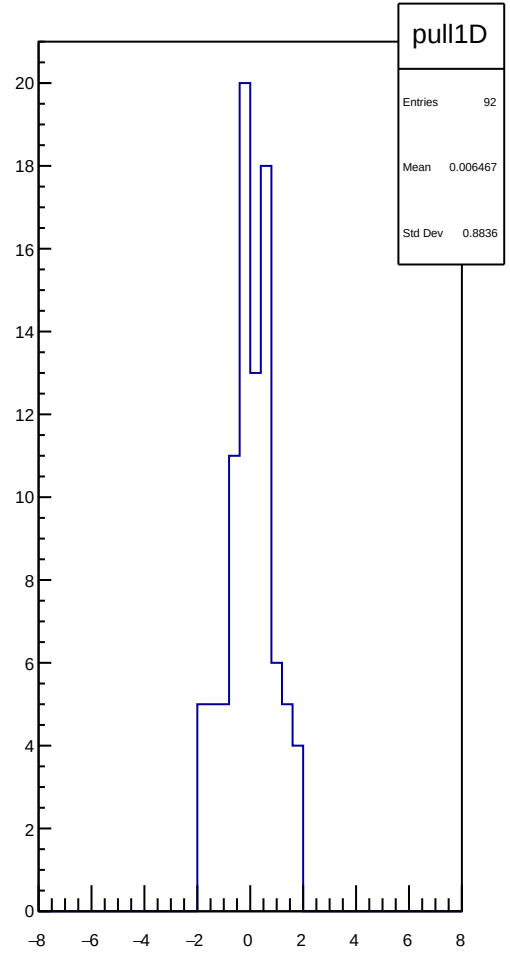

cor_asym_sam1_rms vs run
χ² / ndf 1175 / 91
p0 62.26 ± 0.04744
68
66
64
62
60
58

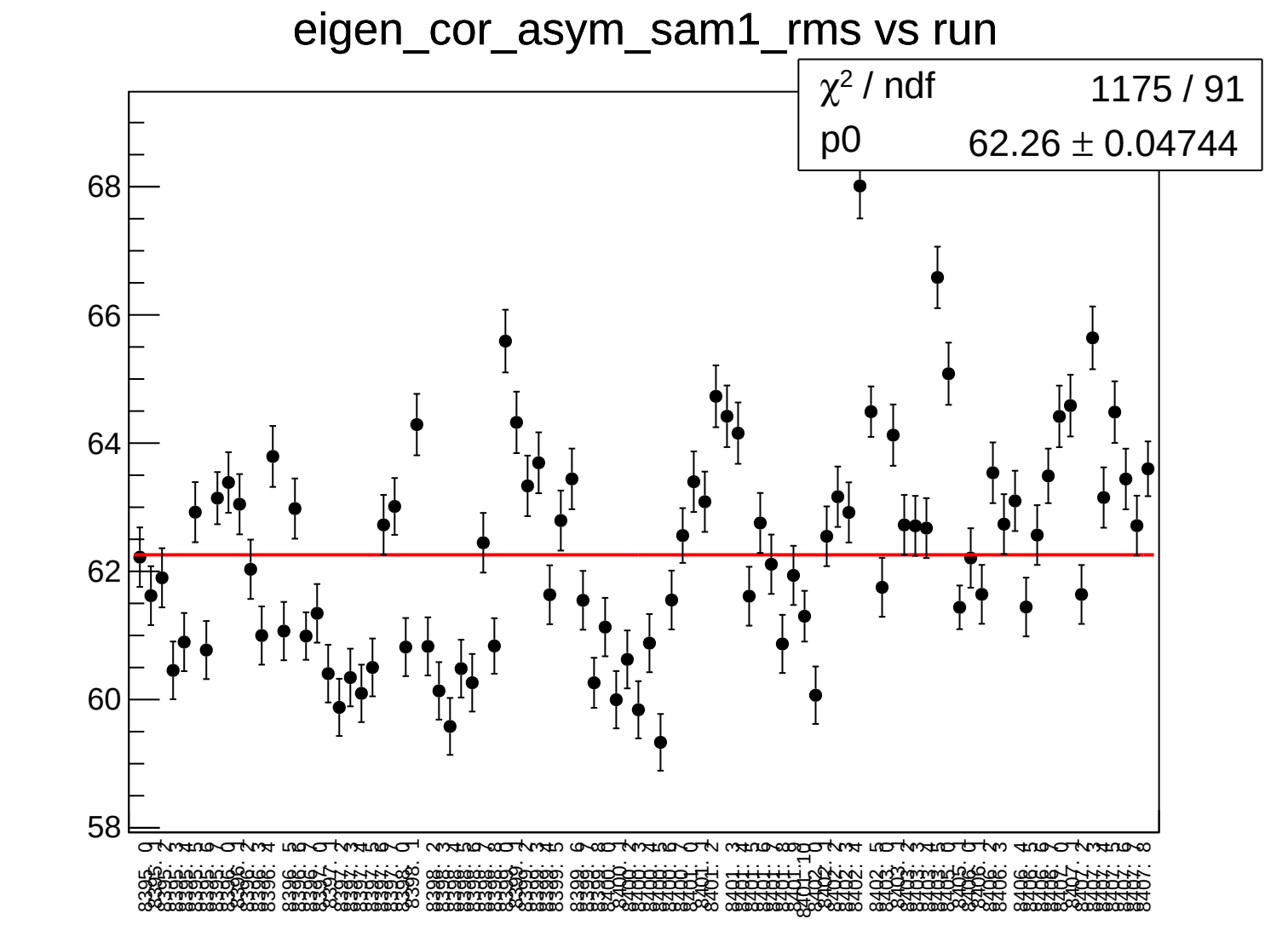

asym_sam1_cor_correction_mean vs run
χ² / ndf 100.4 / 91
p0 35.1 ± 343.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −728.7
Std Dev 0
2
1
0
−1
−2

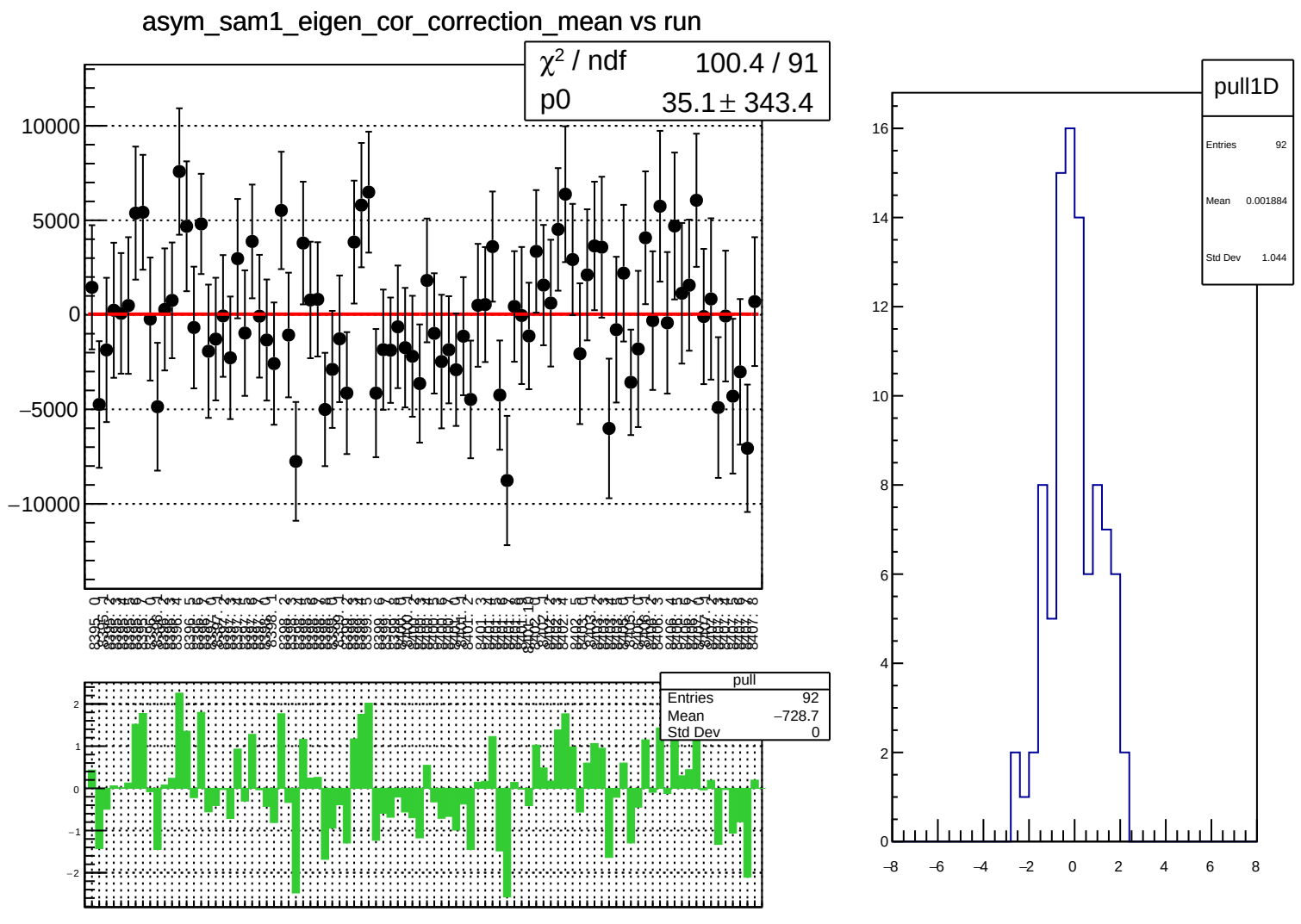

pull1D
Entries 92
Mean 0.001884
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

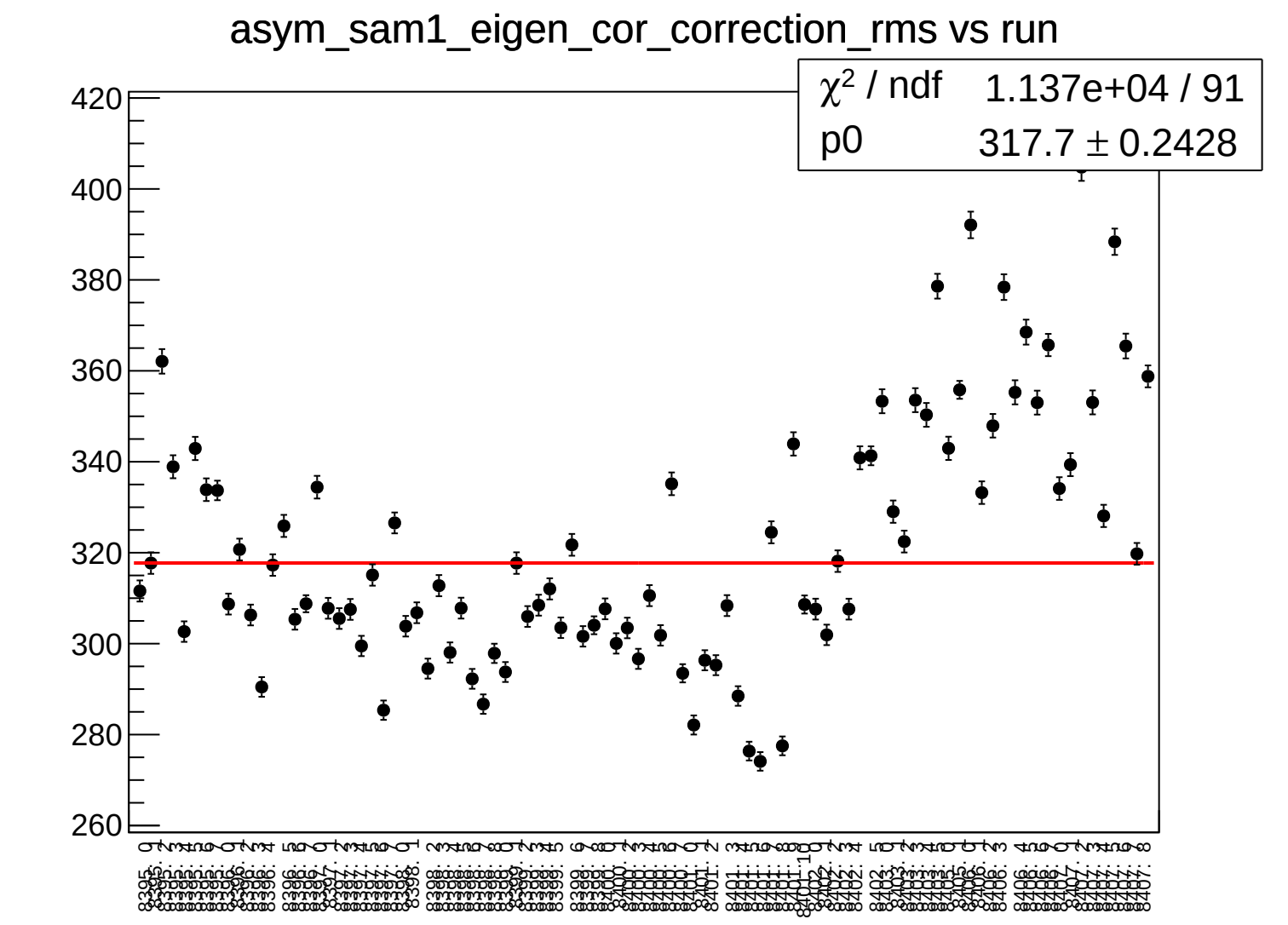

asym_sam1_cor_correction_rms vs run
χ² / ndf 1.137e+04 / 91
p0 317.7 ± 0.2428
420
400
380
360
340
320
300
280
260

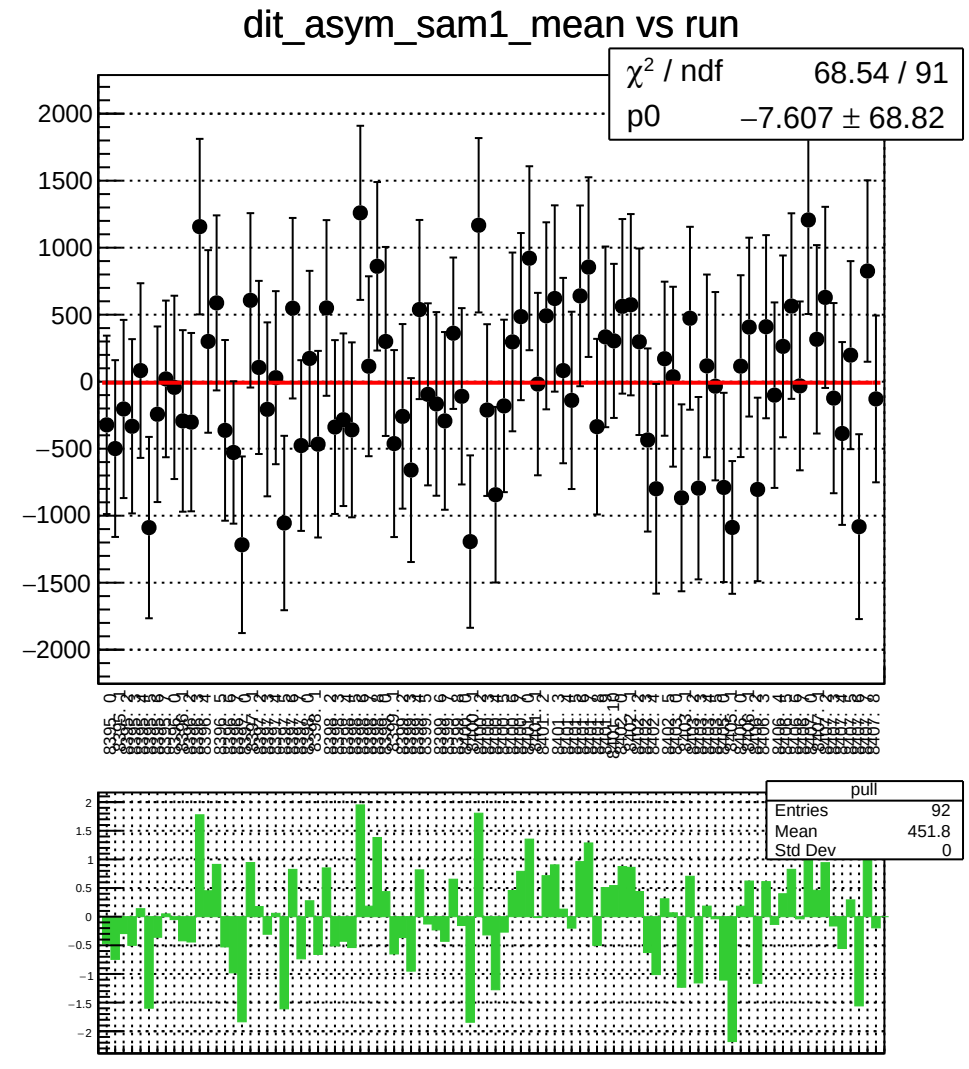

eigen_cor_asym_sam1_mean vs run
χ² / ndf 71.83 / 91
p0 7.69 ± 67.09
pull
Entries 92
Mean 485.9
Std Dev 0

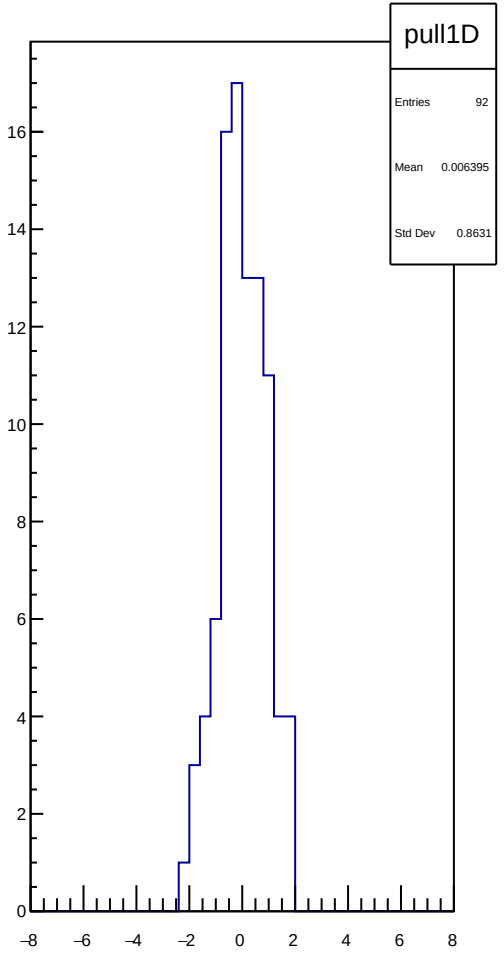

pull1D
Entries 92
Mean 0.006467
Std Dev 0.8836

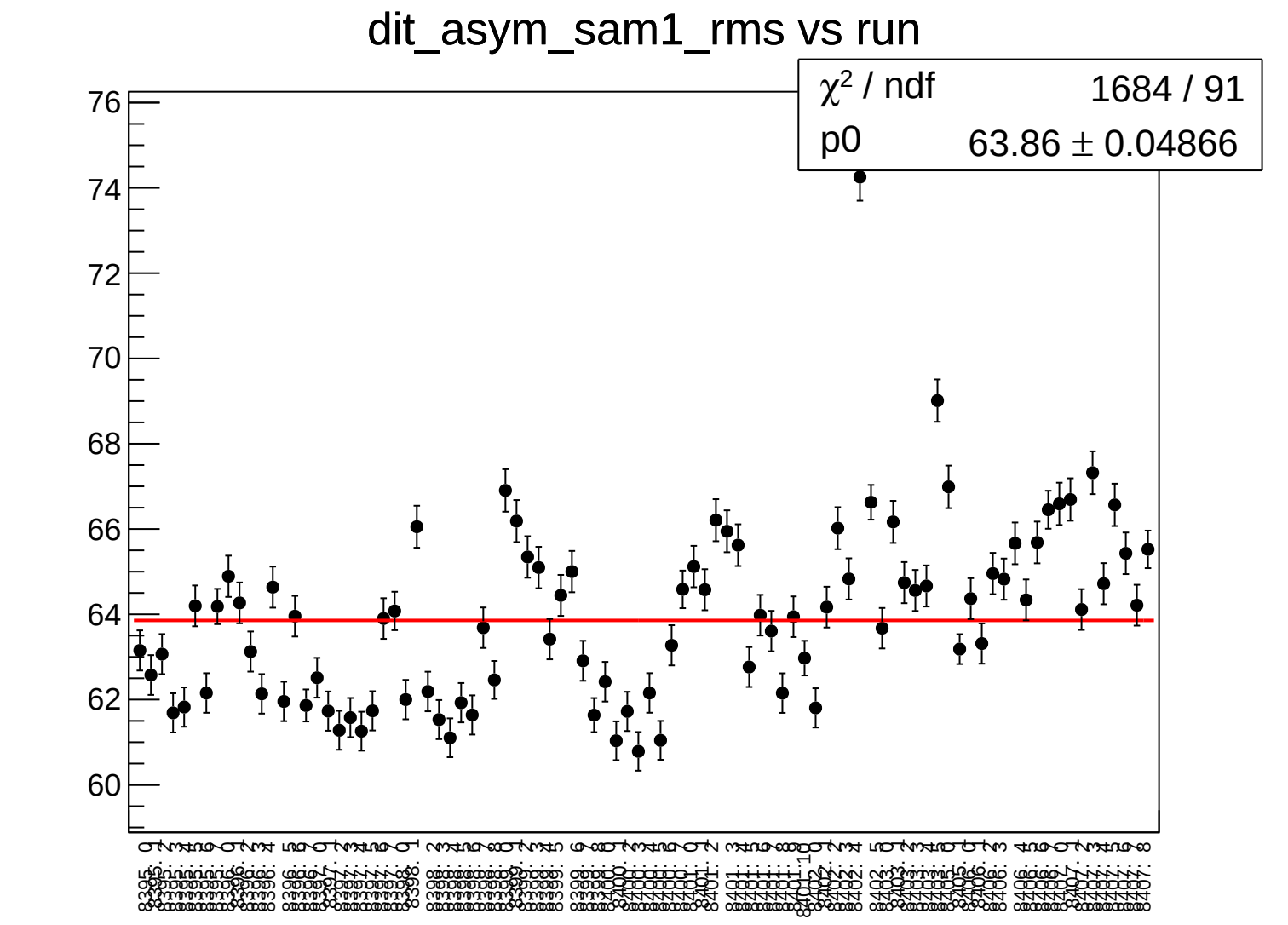

eigen_cor_asym_sam1_rms vs run
χ² / ndf 1175 / 91
p0 62.26 ± 0.04744
68
66
64
62
60
58

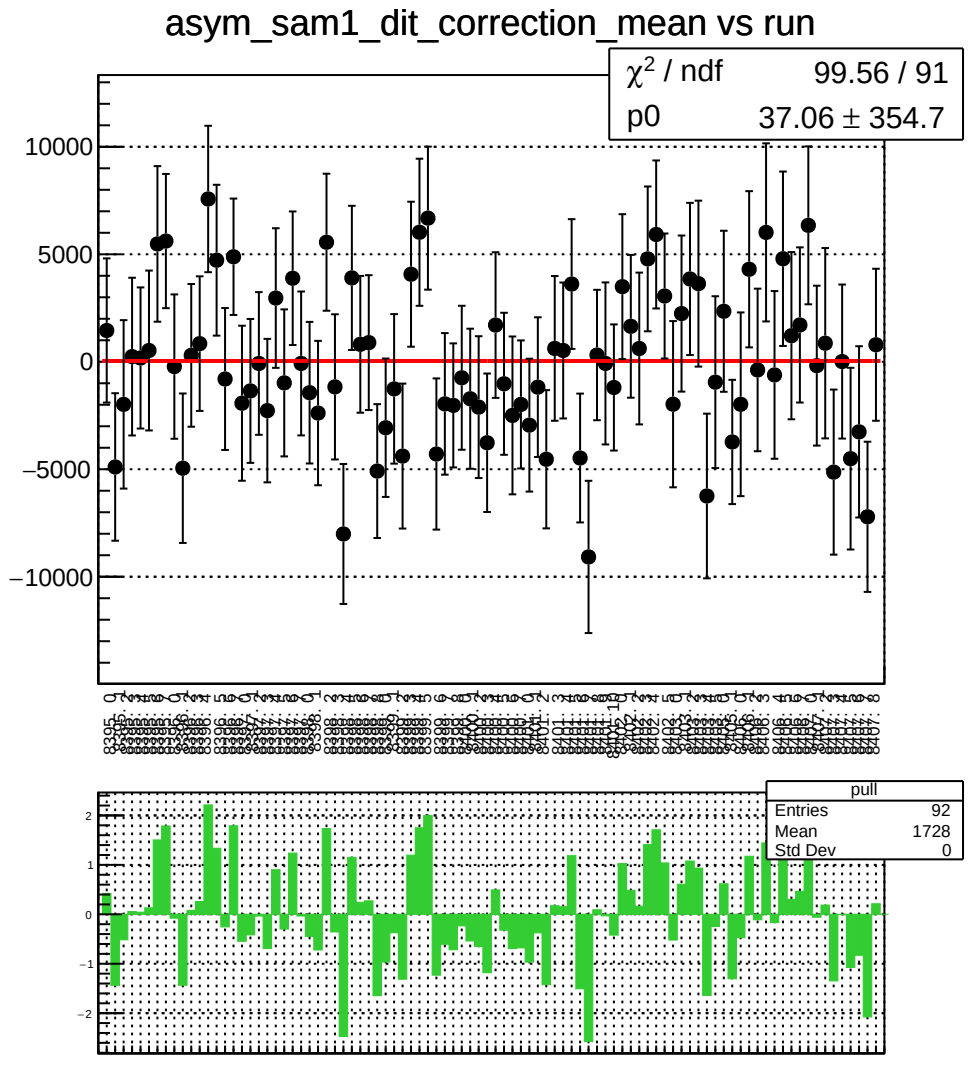

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 100.4 / 91
p0 35.1 ± 343.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −728.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001884
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

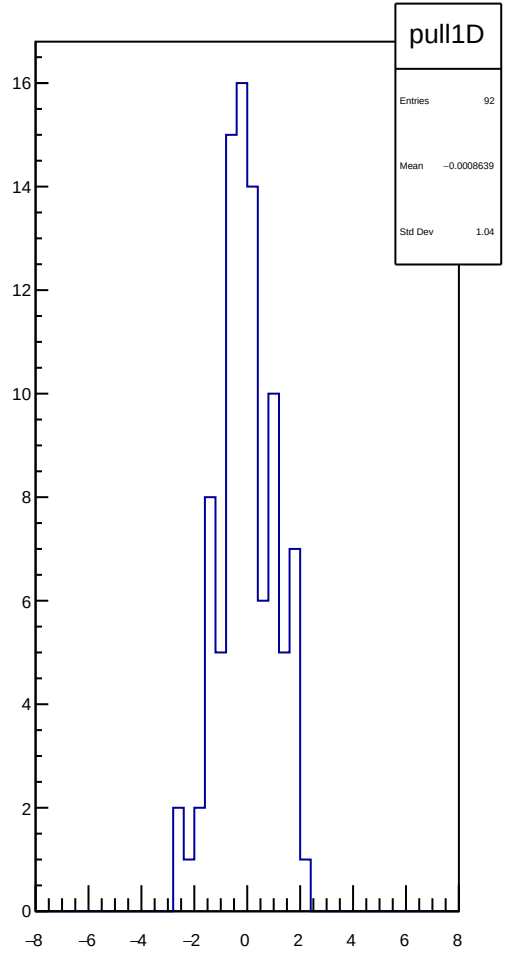

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 1.137e+04 / 91
p0 317.7 ± 0.2428
420
400
380
360
340
320
300
280
260

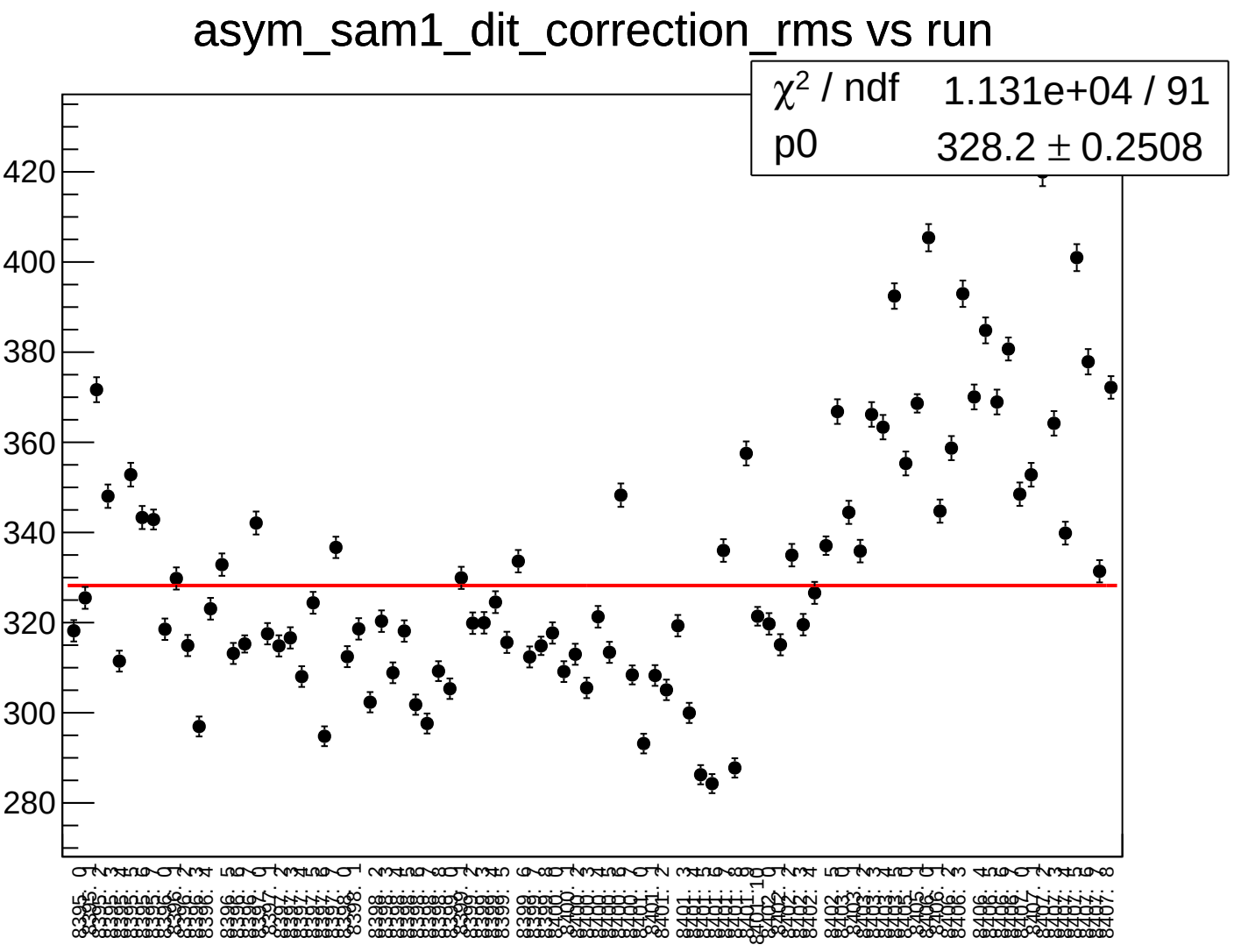

dit_asym_sam1_mean vs run
χ² / ndf 68.54 / 91
p0 −7.607 ± 68.82
pull
Entries 92
Mean 451.8
Std Dev 0

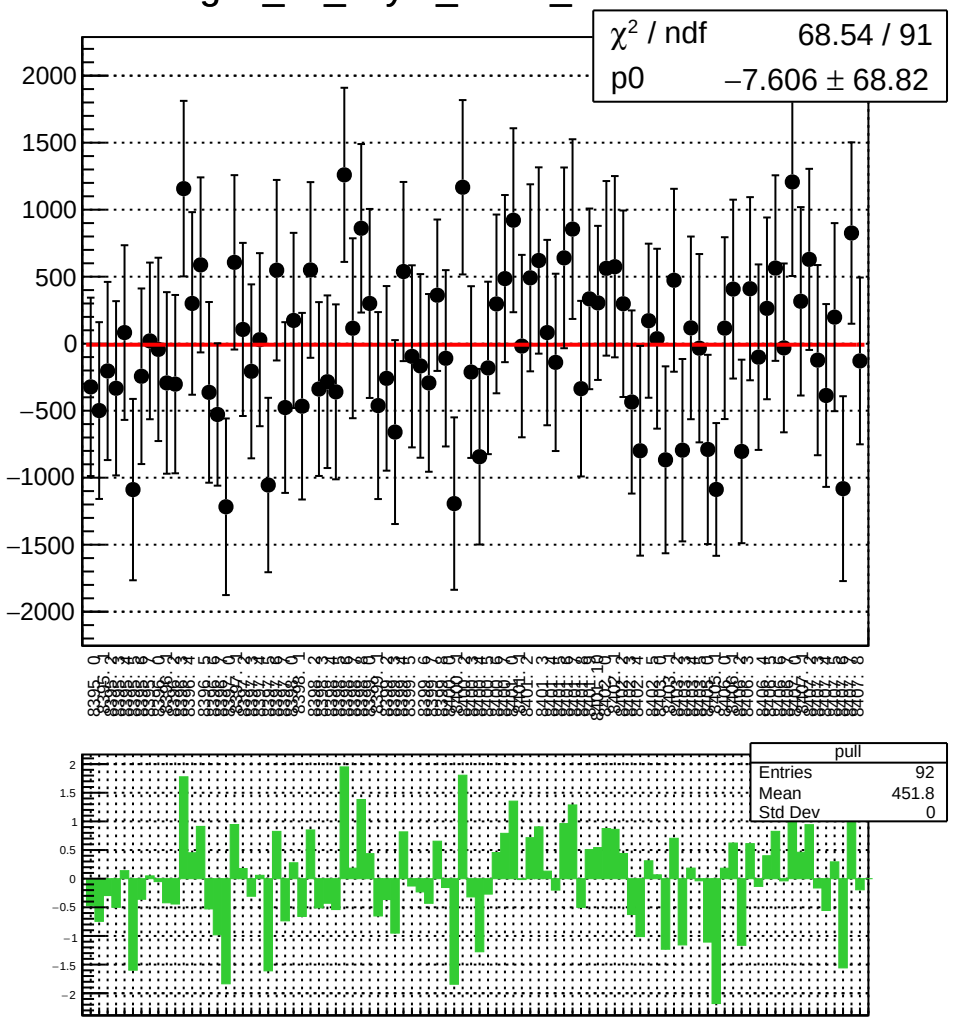

pull1D
Entries 92
Mean 0.006395
Std Dev 0.8631

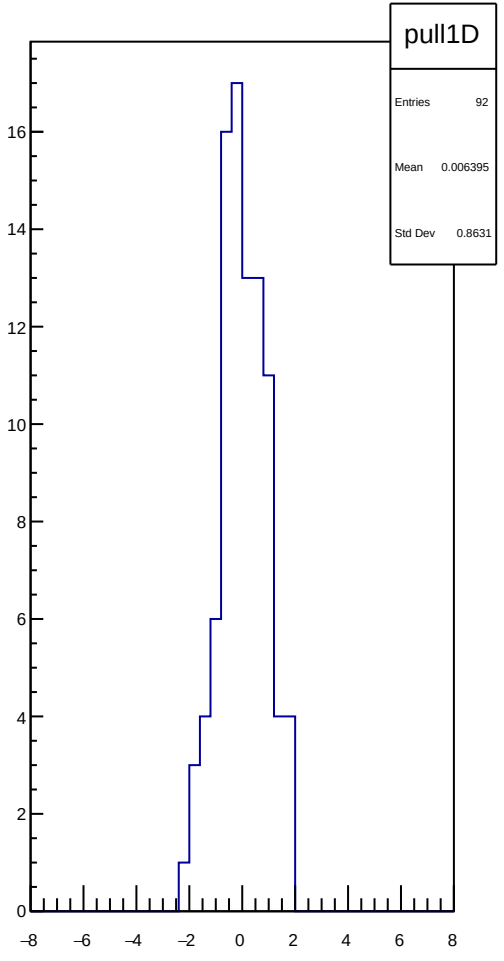

dit_asym_sam1_rms vs run
$\chi^2$ / ndf 1684 / 91
p0 63.86 ± 0.04866
76
74
72
70
68
66
64
62
60

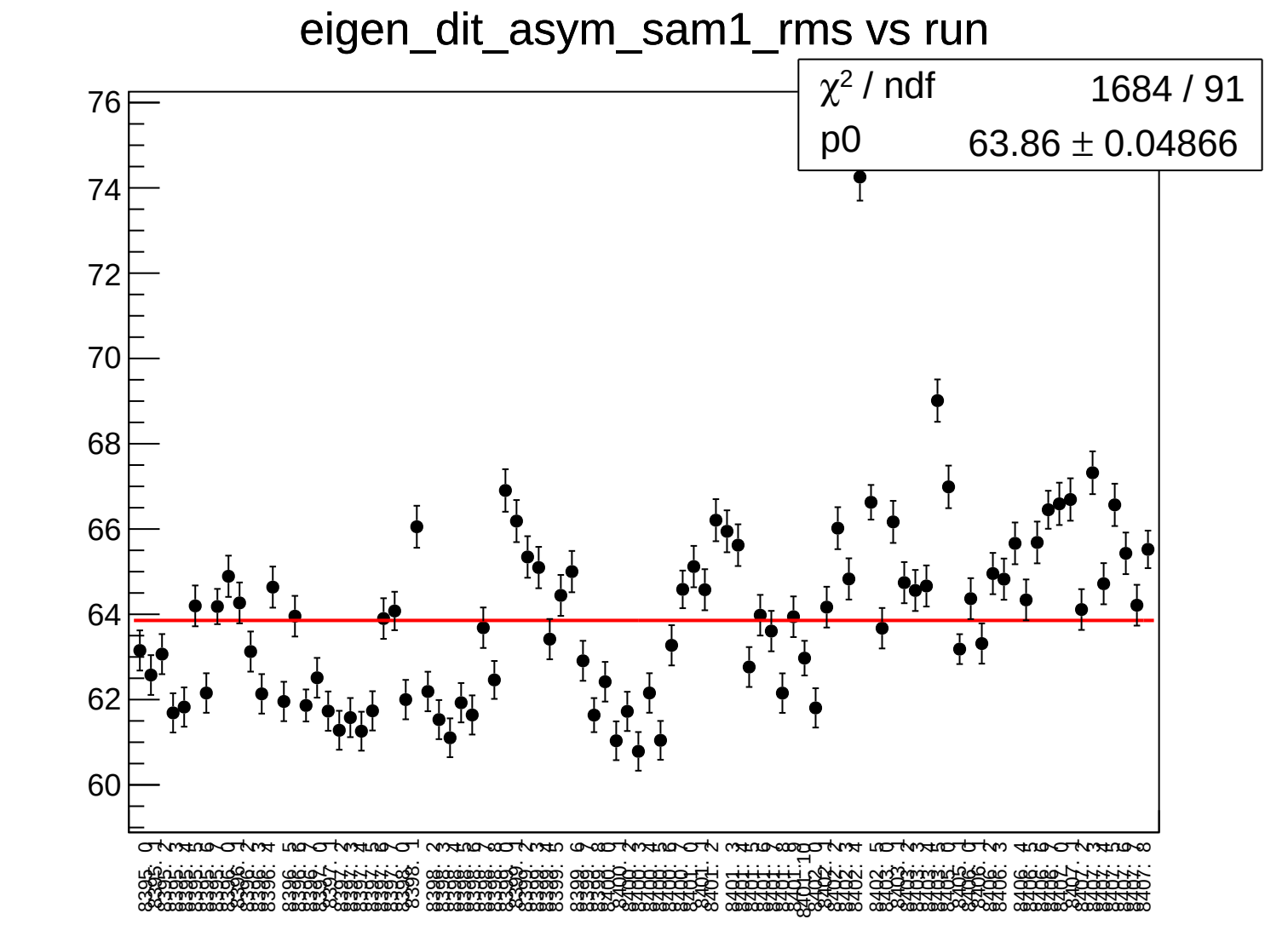

asym_sam1_dit_correction_mean vs run
χ² / ndf 99.56 / 91
p0 37.06 ± 354.7
10000
5000
0
−5000
−10000
pull
Entries 92
Mean 1728
Std Dev 0
2
1
0
−1
−2

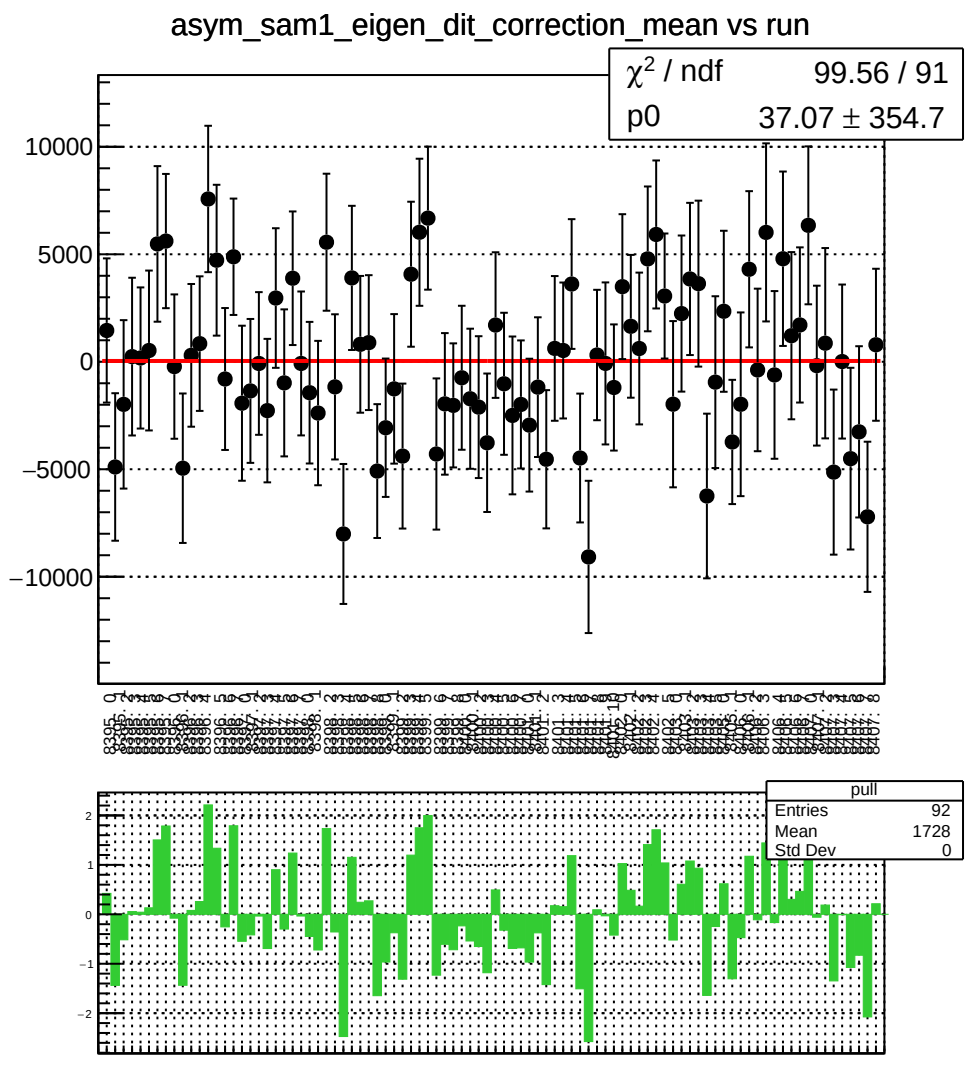

pull1D
Entries 92
Mean −0.0008639
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

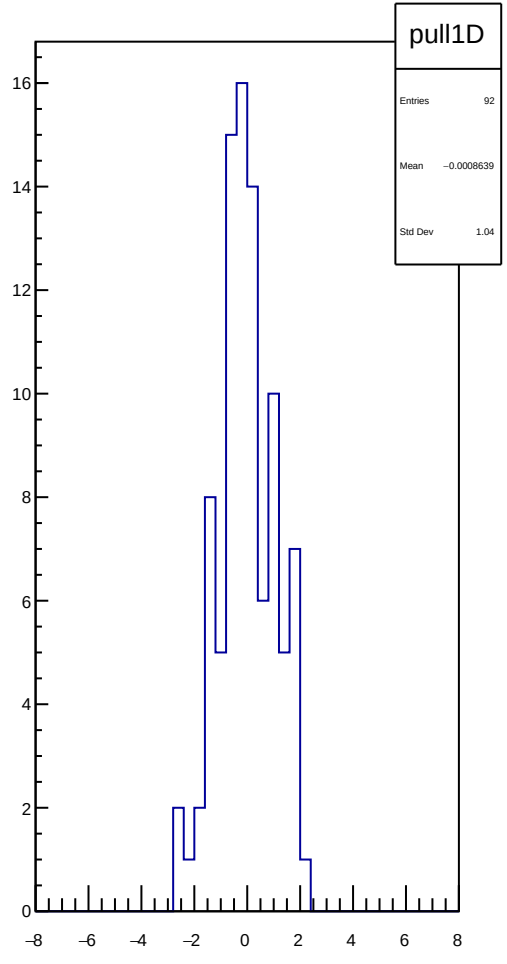

asym_sam1_dit_correction_rms vs run
χ² / ndf 1.131e+04 / 91
p0 328.2 ± 0.2508
420
400
380
360
340
320
300
280

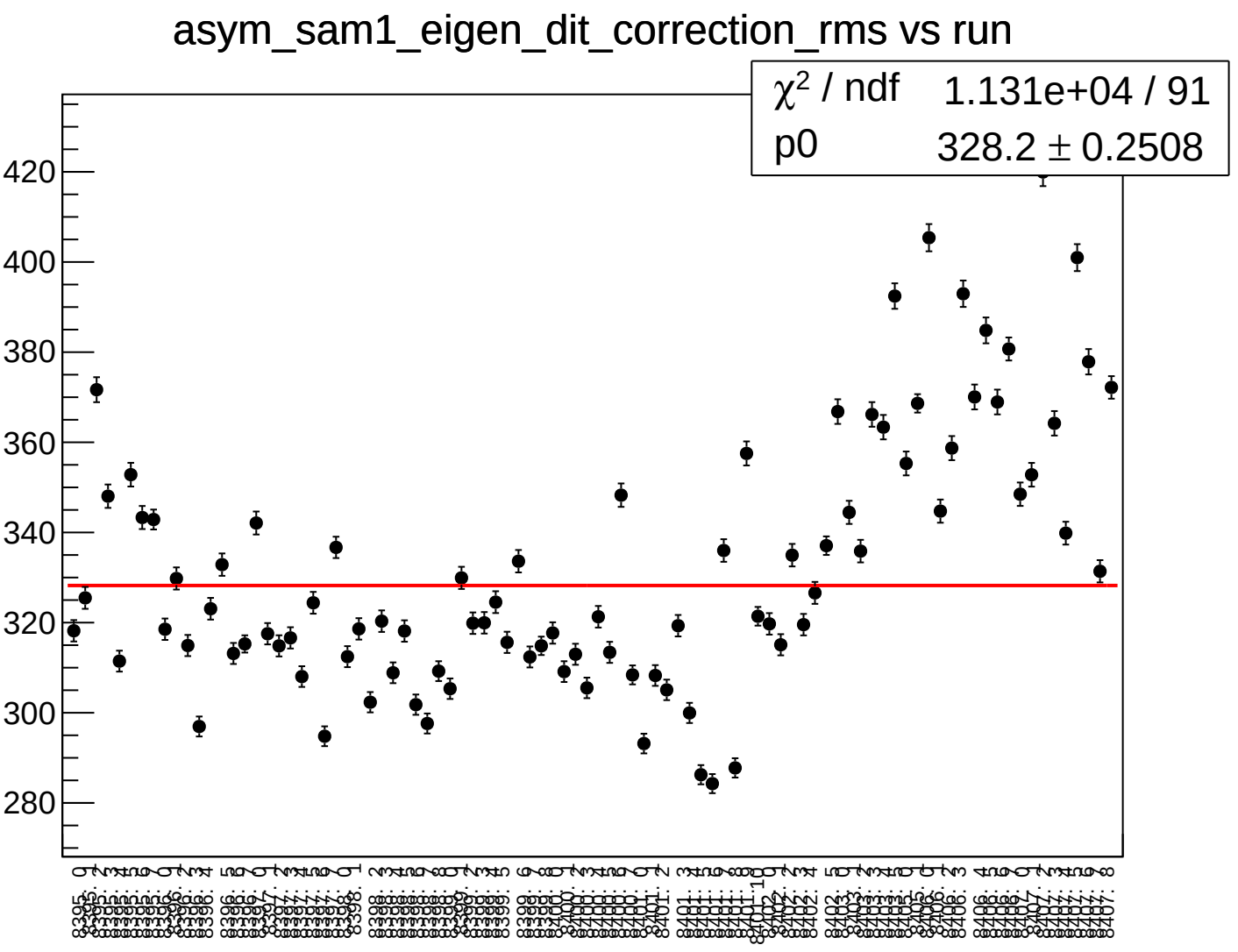

eigen_dit_asym_sam1_mean vs run
χ² / ndf 68.54 / 91
p0 −7.606 ± 68.82
pull
Entries 92
Mean 451.8
Std Dev 0

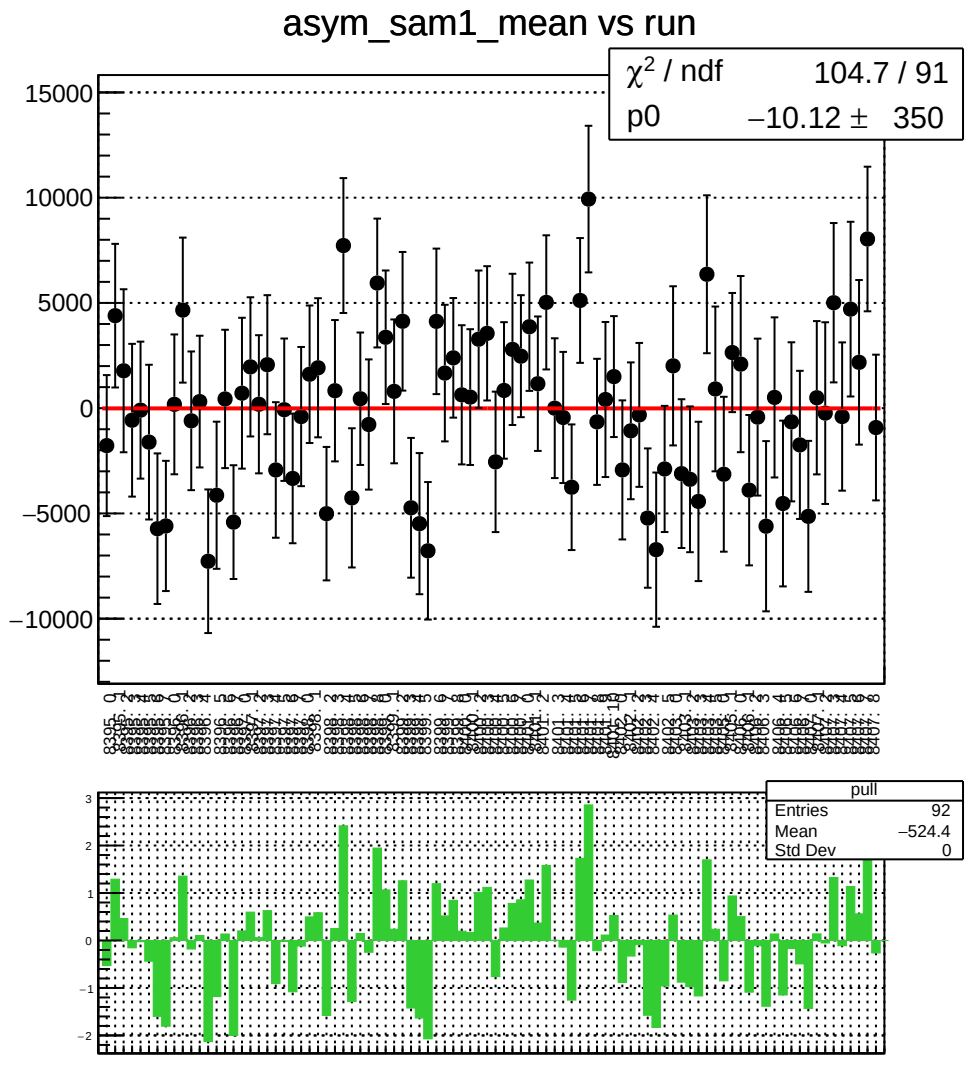

pull1D
Entries 92
Mean 0.006395
Std Dev 0.8631

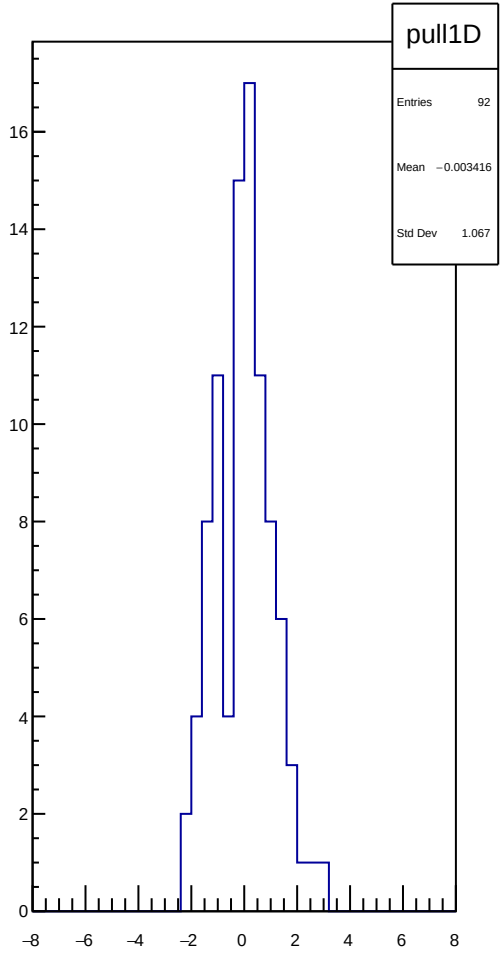

eigen_dit_asym_sam1_rms vs run
$\chi^2$ / ndf 1684 / 91
p0 63.86 ± 0.04866
76
74
72
70
68
66
64
62
60

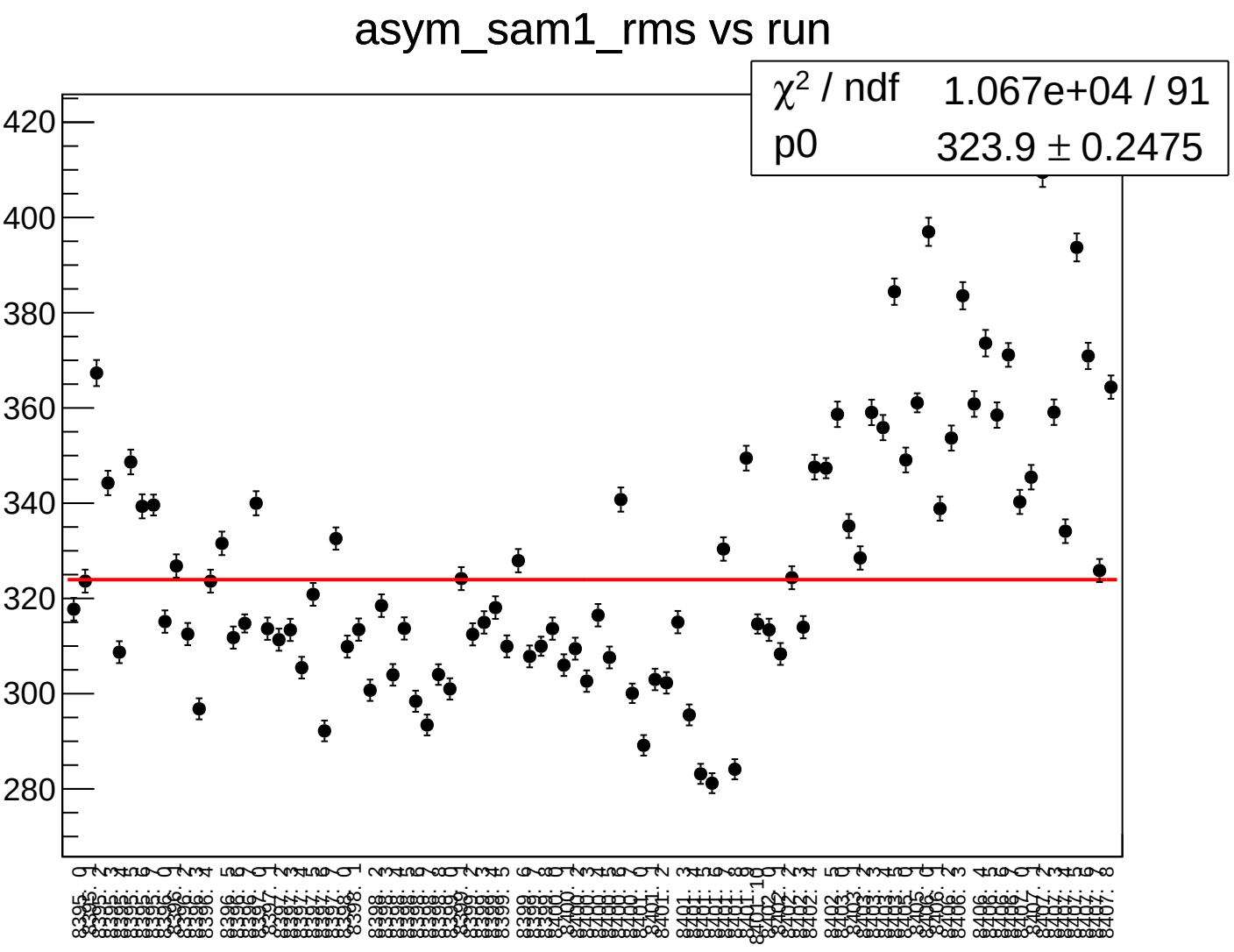

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 99.56 / 91
p0 37.07 ± 354.7
10000
5000
0
−5000
−10000
pull
Entries 92
Mean 1728
Std Dev 0
2
1
0
−1
−2

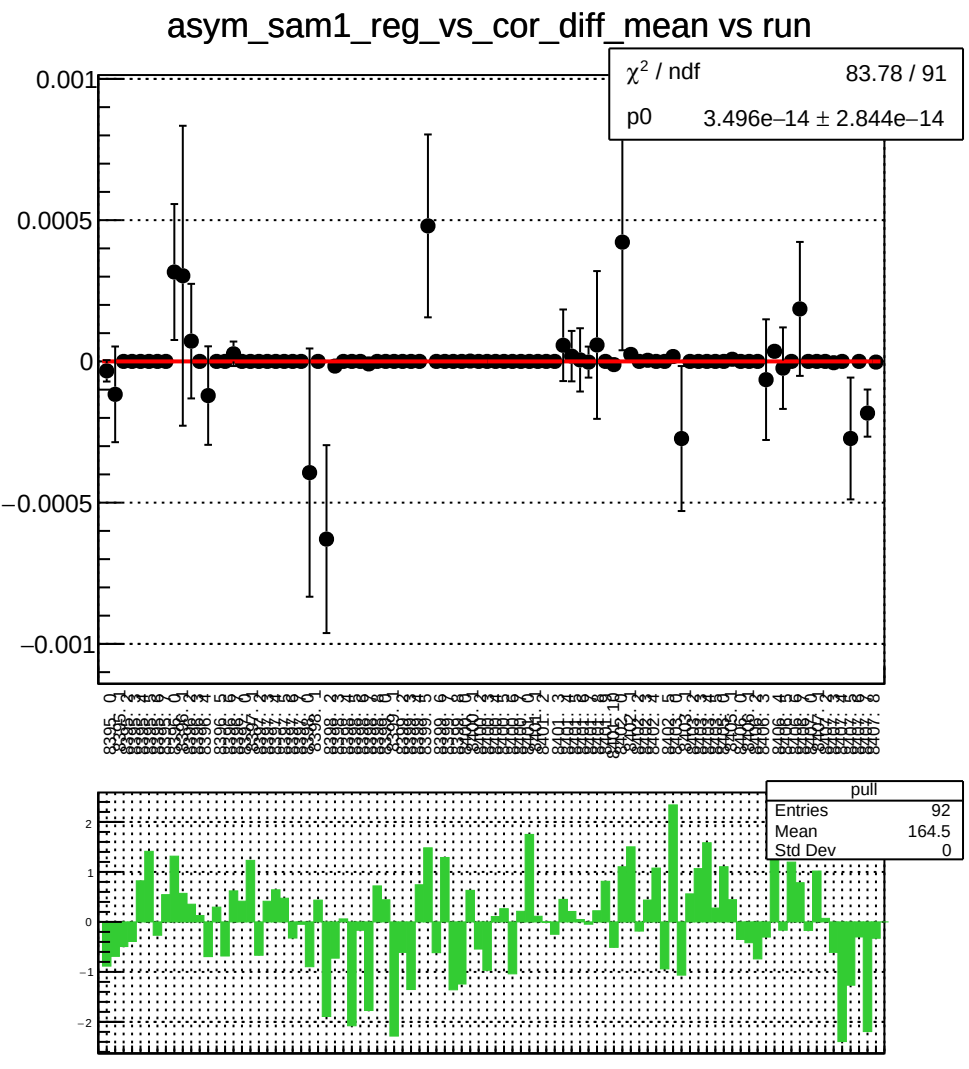

pull1D
Entries 92
Mean −0.0008639
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

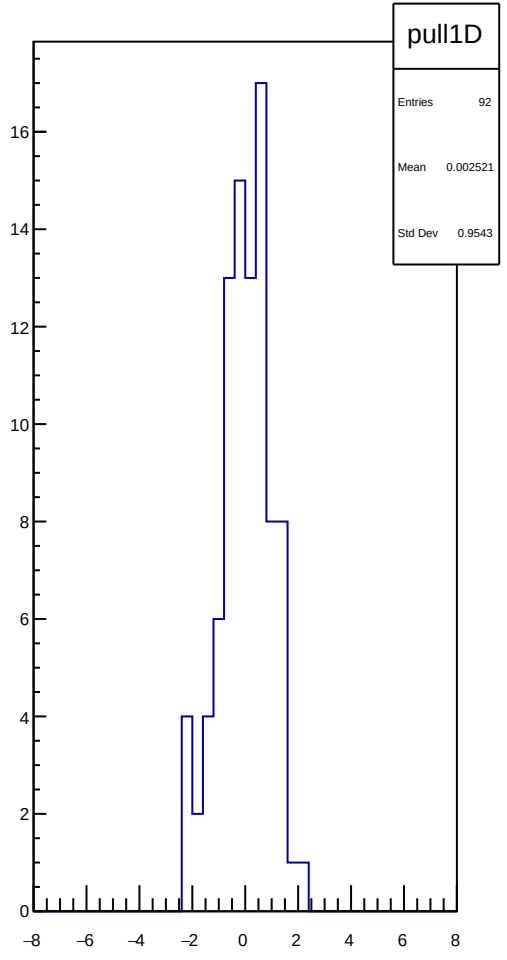

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 1.131e+04 / 91
p0 328.2 ± 0.2508
420
400
380
360
340
320
300
280

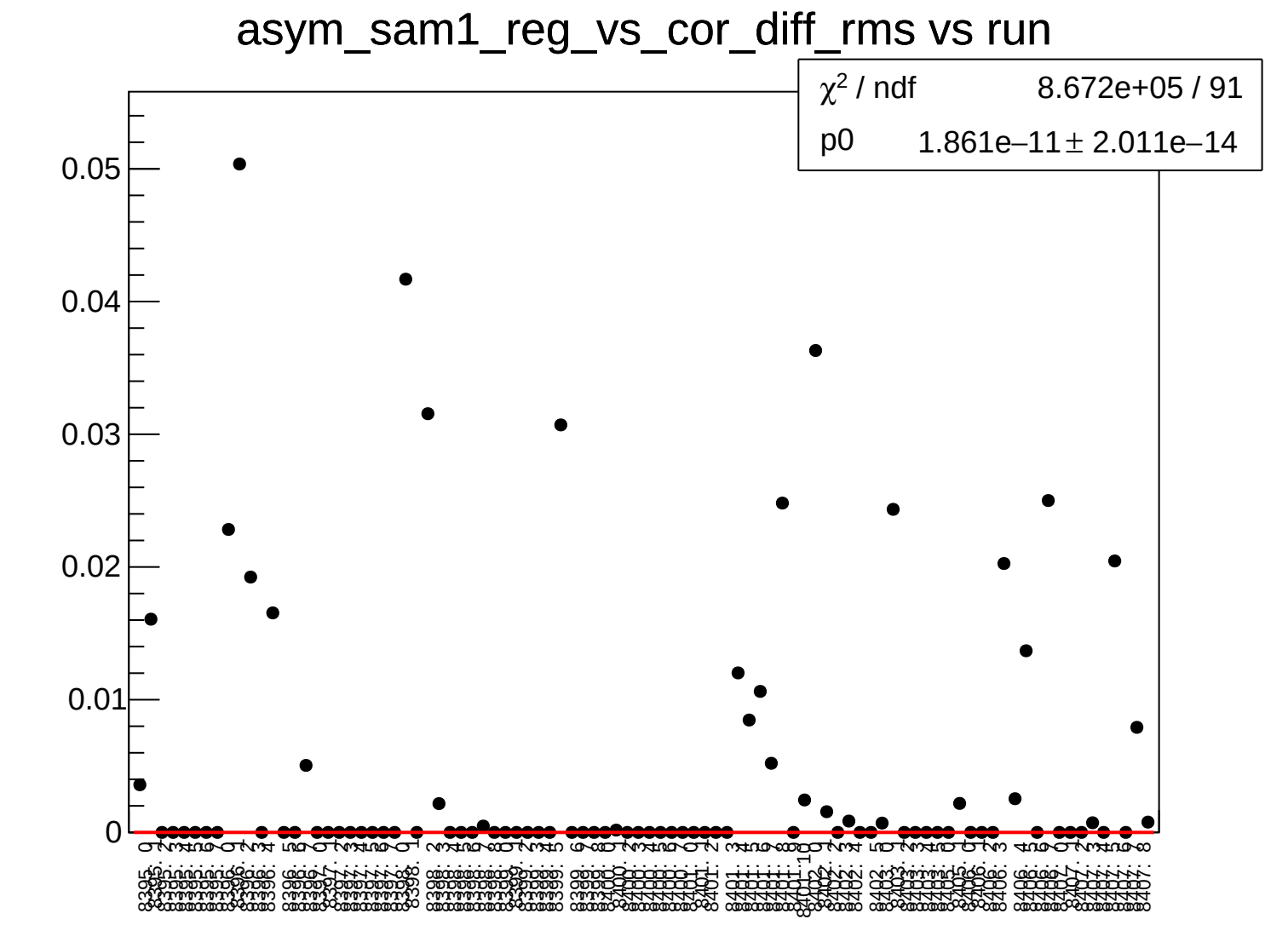

asym_sam1_mean vs run
χ² / ndf 104.7 / 91
p0 −10.12 ± 350
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −524.4
Std Dev 0
3
2
1
0
−1
−2

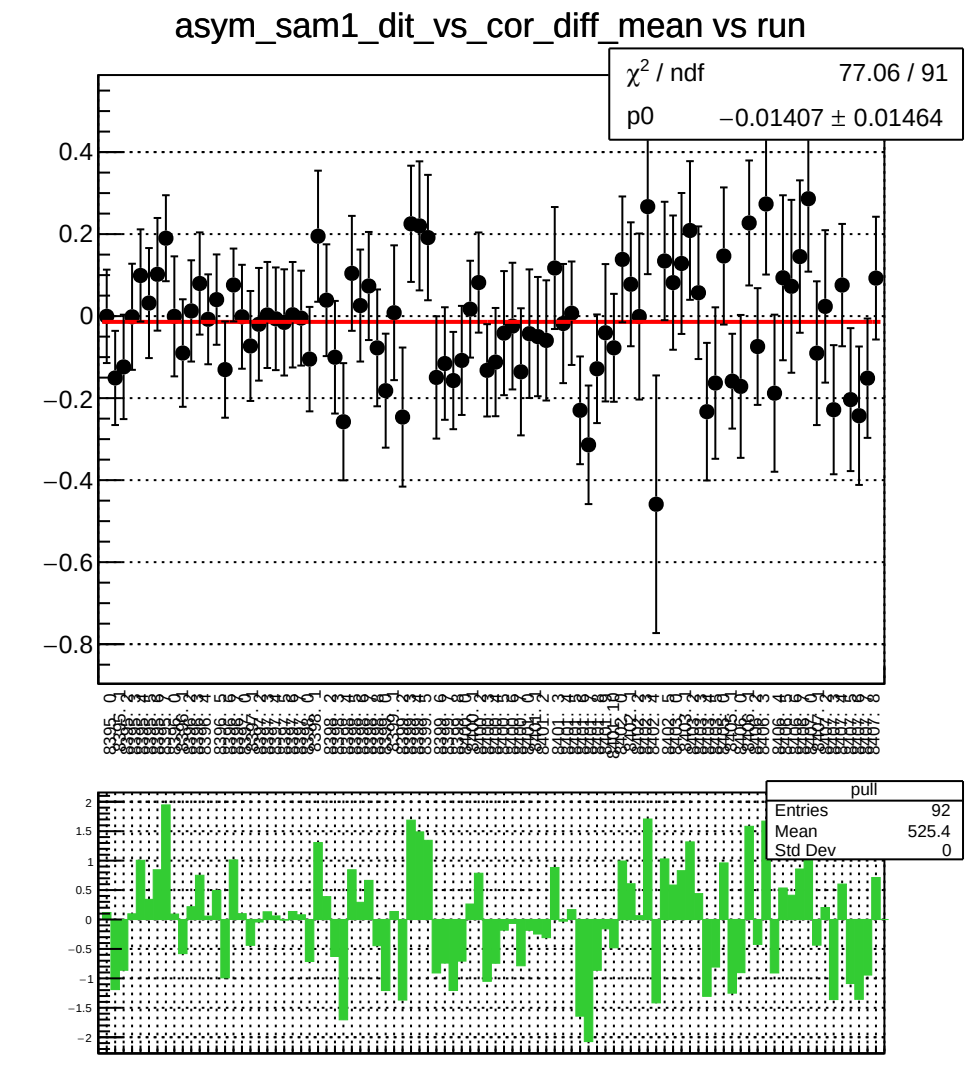

pull1D
Entries 92
Mean −0.003416
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

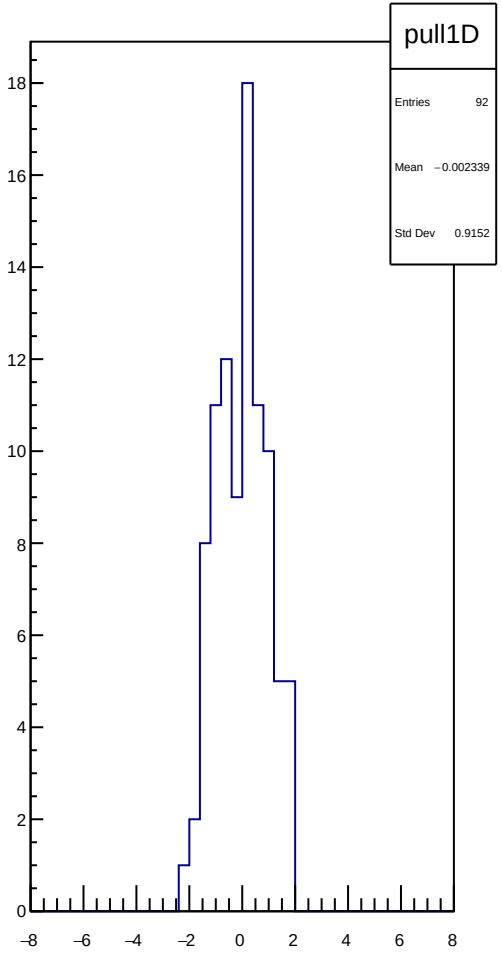

asym_sam1_rms vs run
$\chi^2$ / ndf 1.067e+04 / 91
p0 323.9 ± 0.2475
420
400
380
360
340
320
300
280

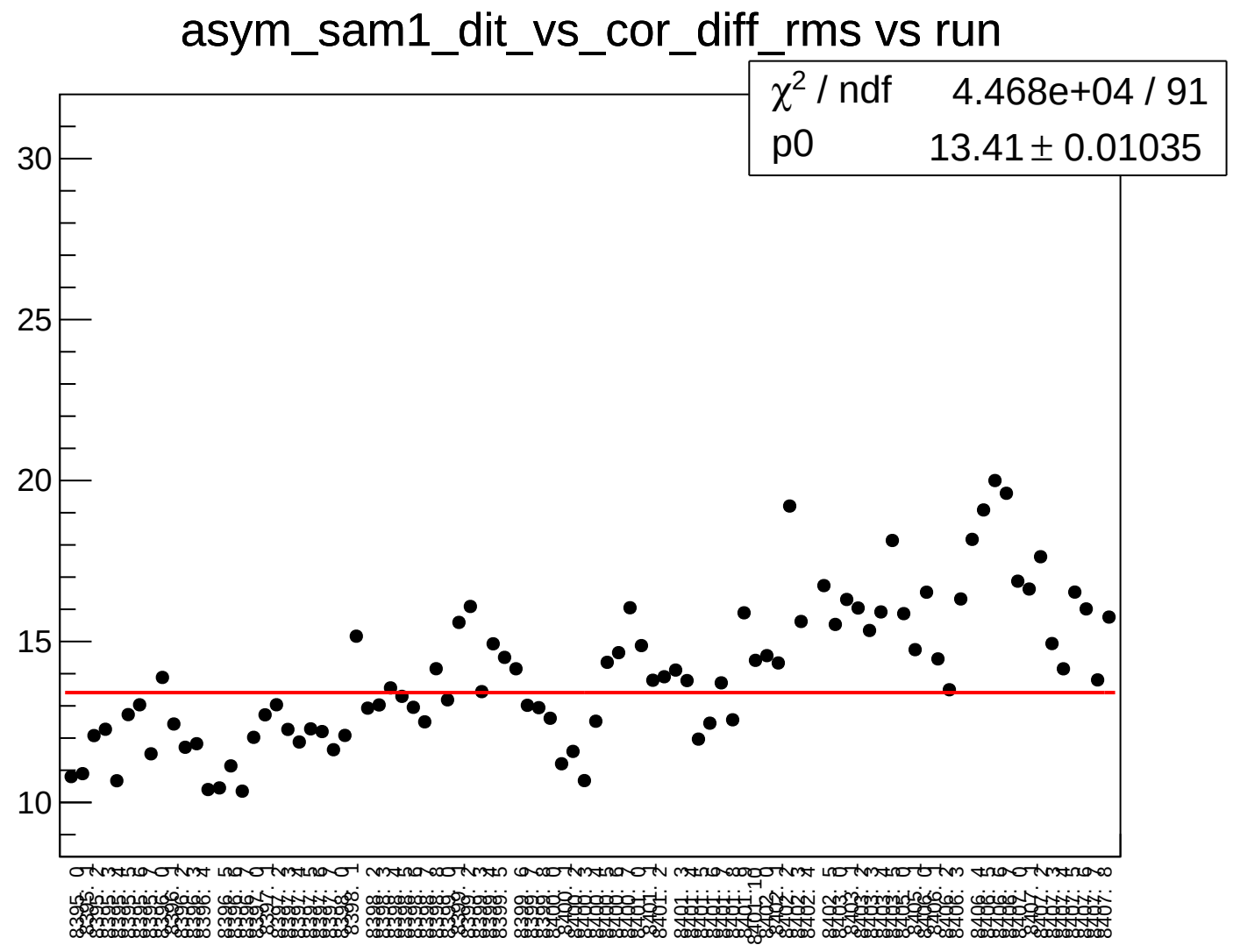

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 83.78 / 91
p0 3.496e−14 ± 2.844e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 164.5
Std Dev 0
2
1
0
−1
−2

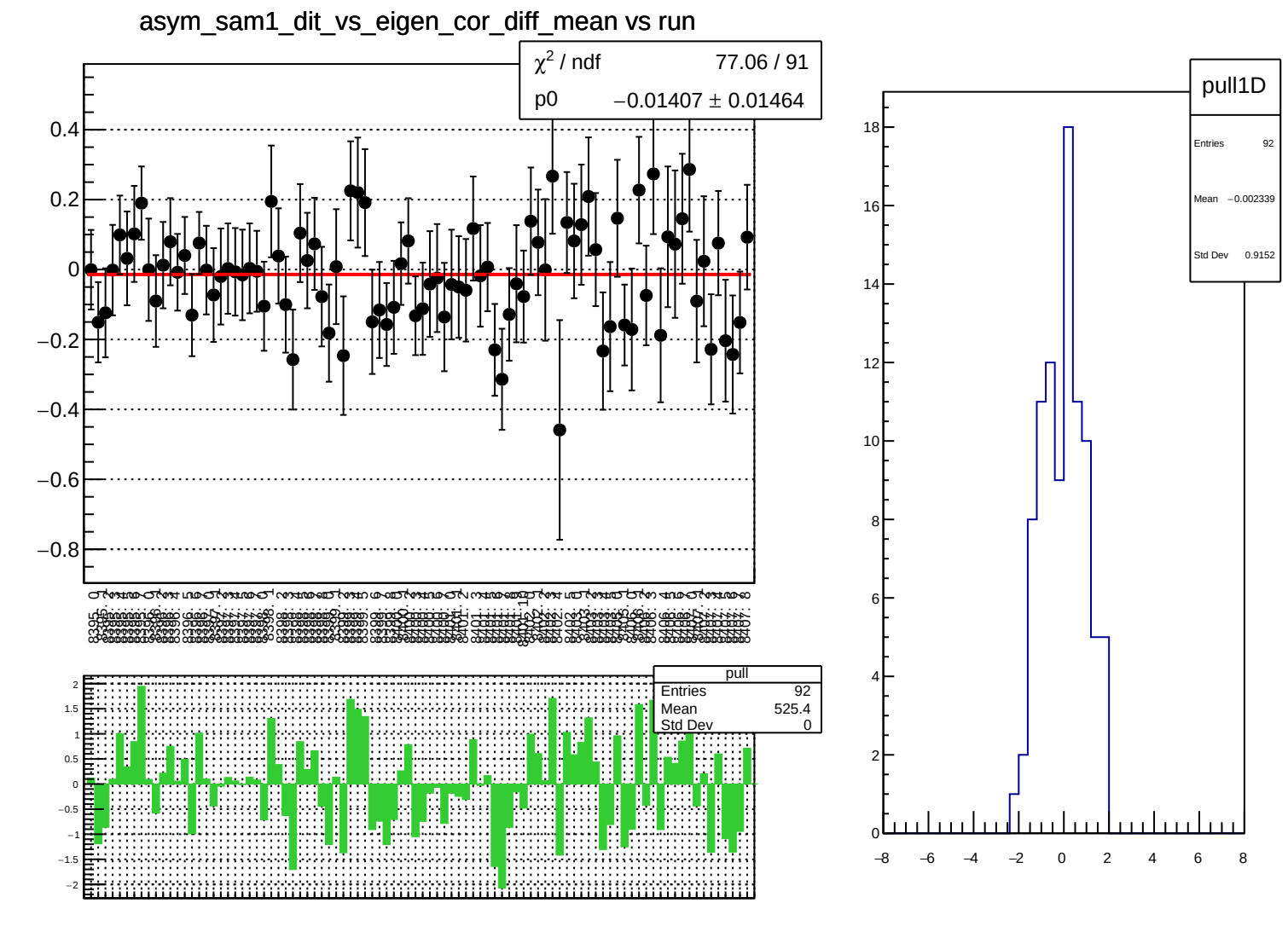

pull1D
Entries 92
Mean 0.002521
Std Dev 0.9543
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

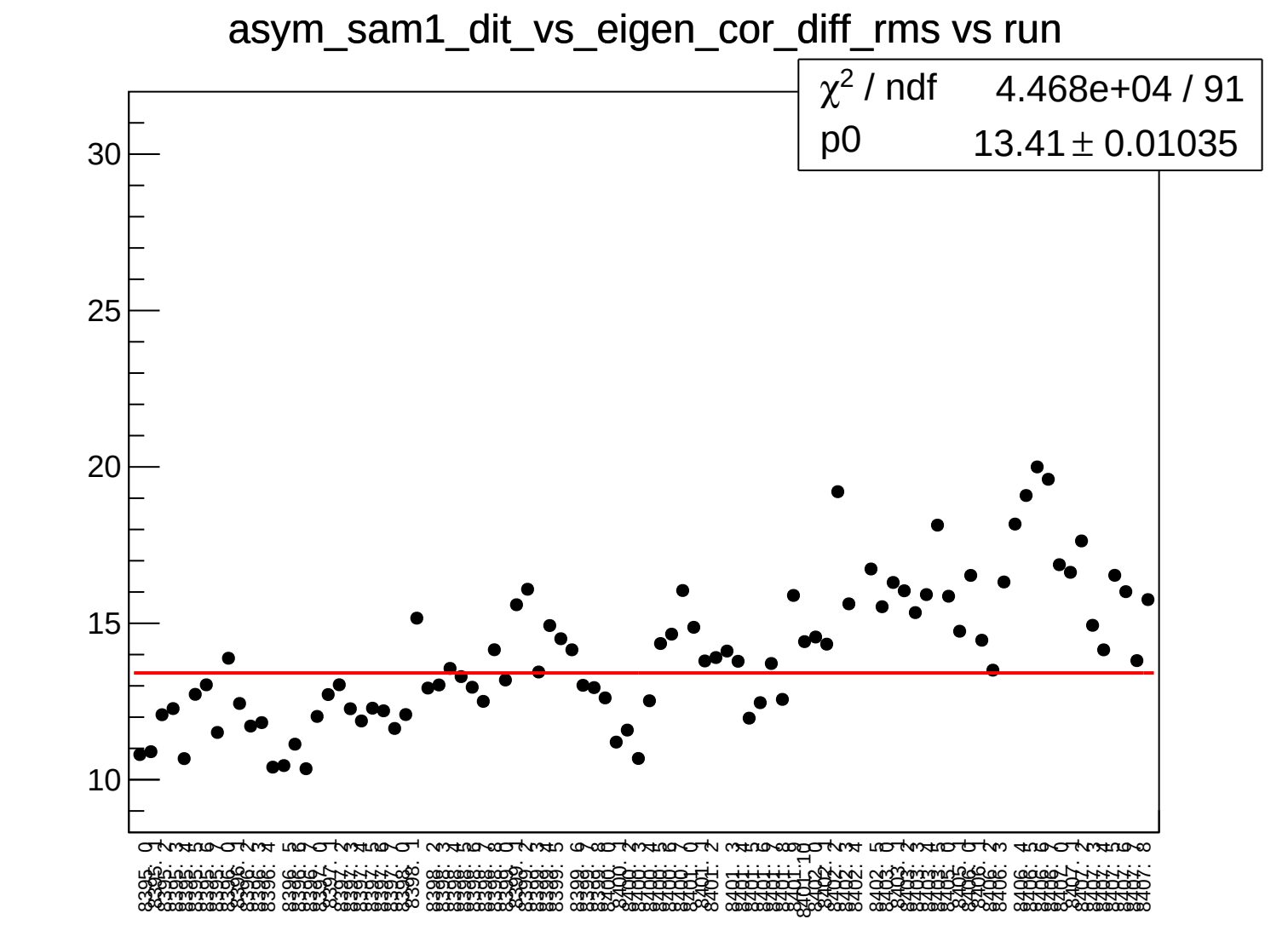

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 8.672e+05 / 91
p0 1.861e−11 ± 2.011e−14
0.05
0.04
0.03
0.02
0.01
0

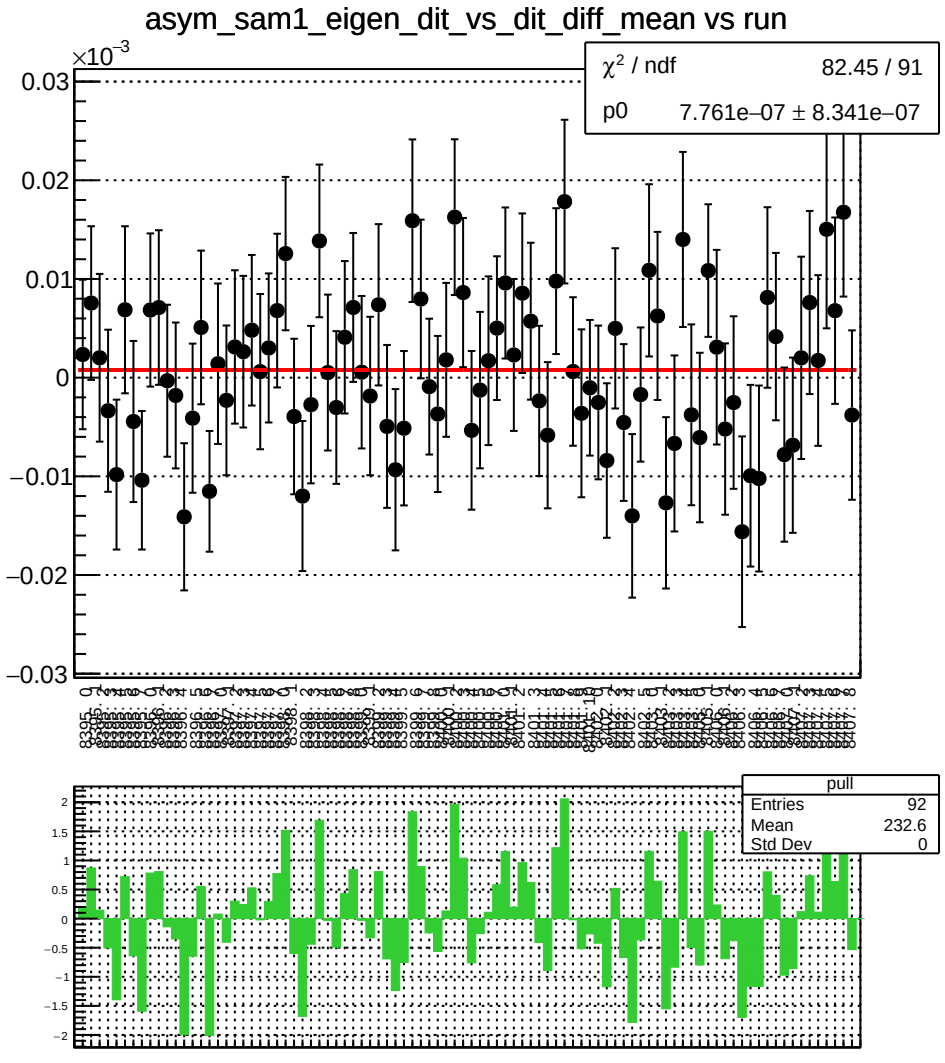

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 77.06 / 91
p0 −0.01407 ± 0.01464
pull
Entries 92
Mean 525.4
Std Dev 0

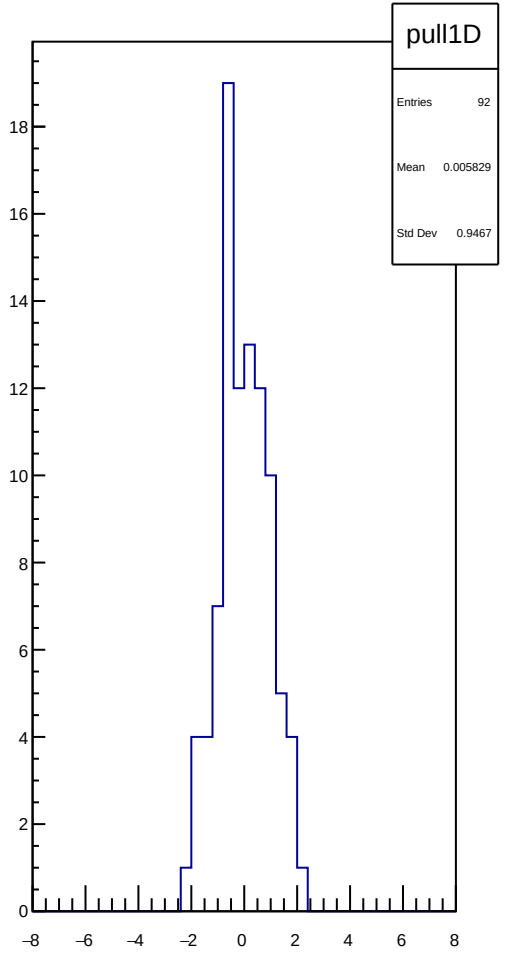

pull1D
Entries 92
Mean −0.002339
Std Dev 0.9152

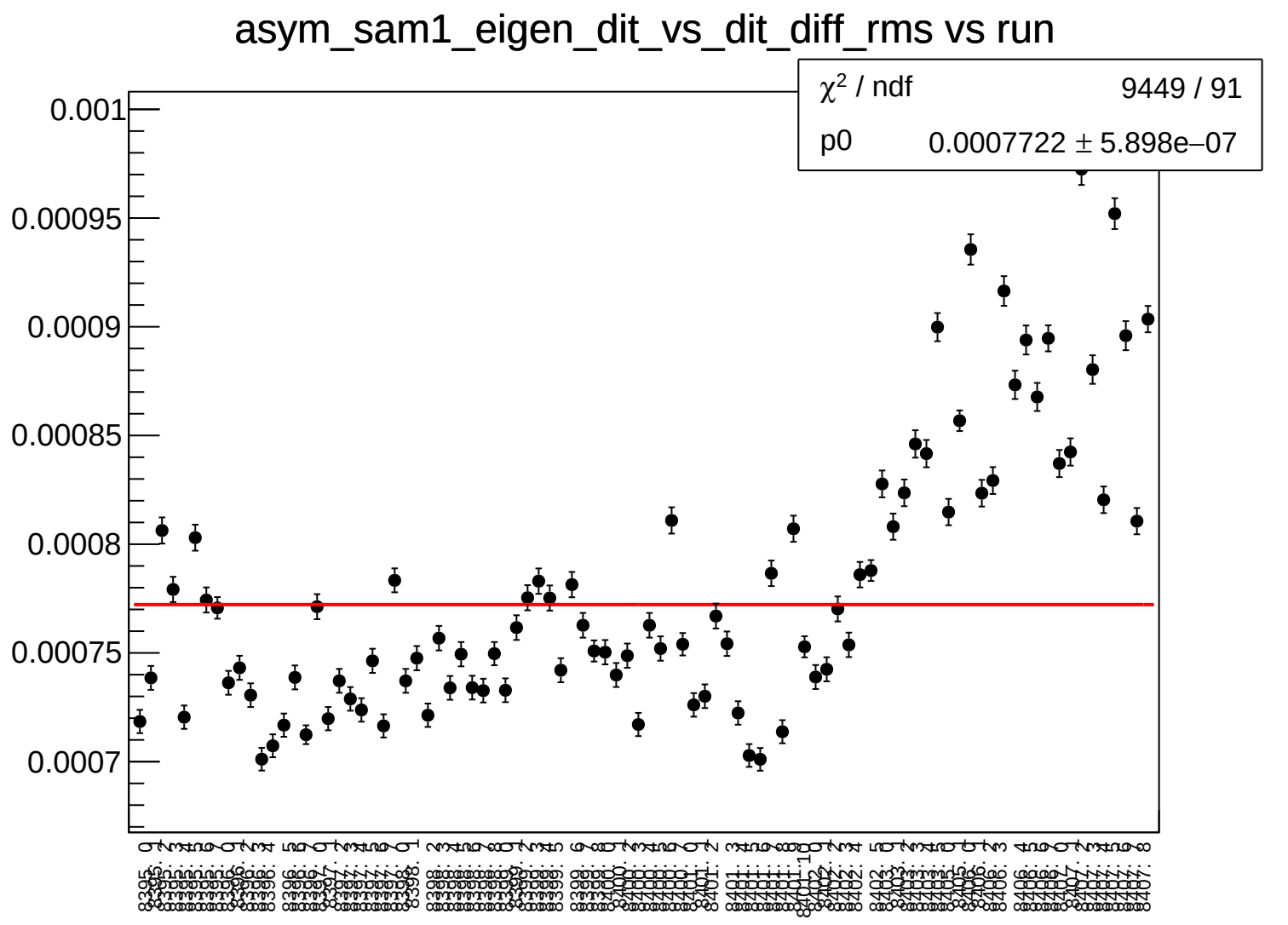

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 4.468e+04 / 91
p0 13.41 ± 0.01035
30
25
20
15
10

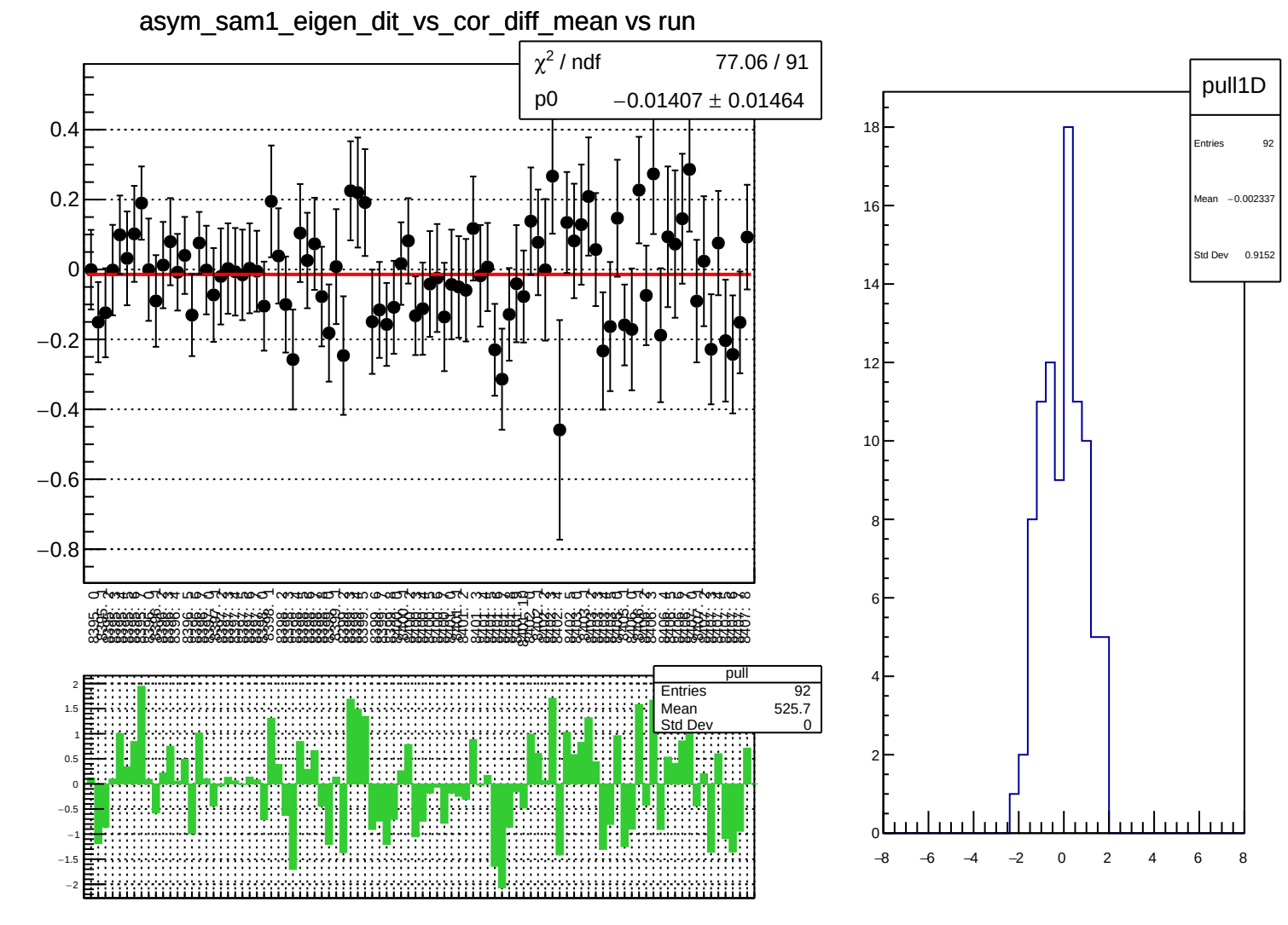

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.06 / 91
p0 −0.01407 ± 0.01464
pull
Entries 92
Mean 525.4
Std Dev 0
pull1D
Entries 92
Mean −0.002339
Std Dev 0.9152

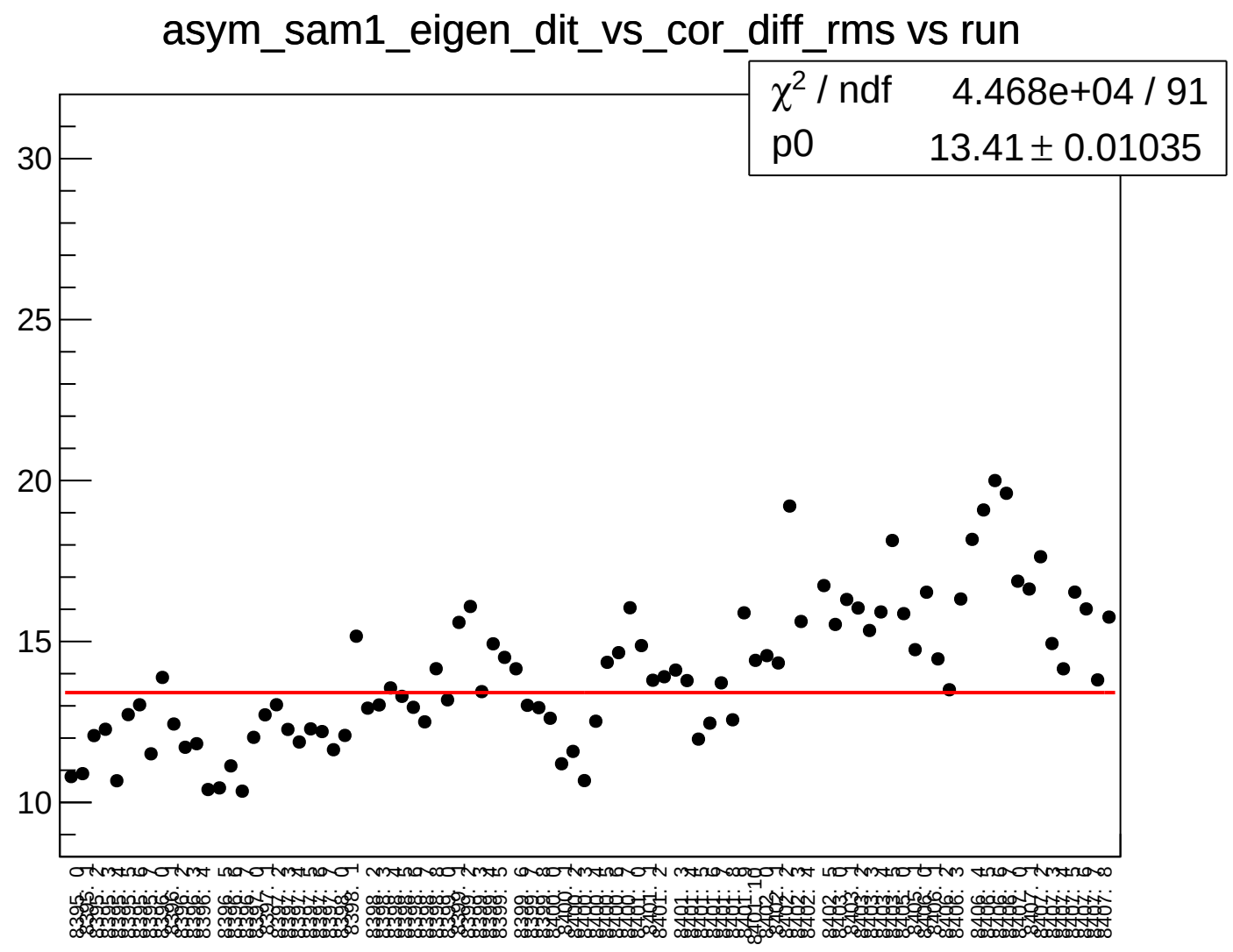

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.468e+04 / 91
p0 13.41 ± 0.01035
30
25
20
15
10

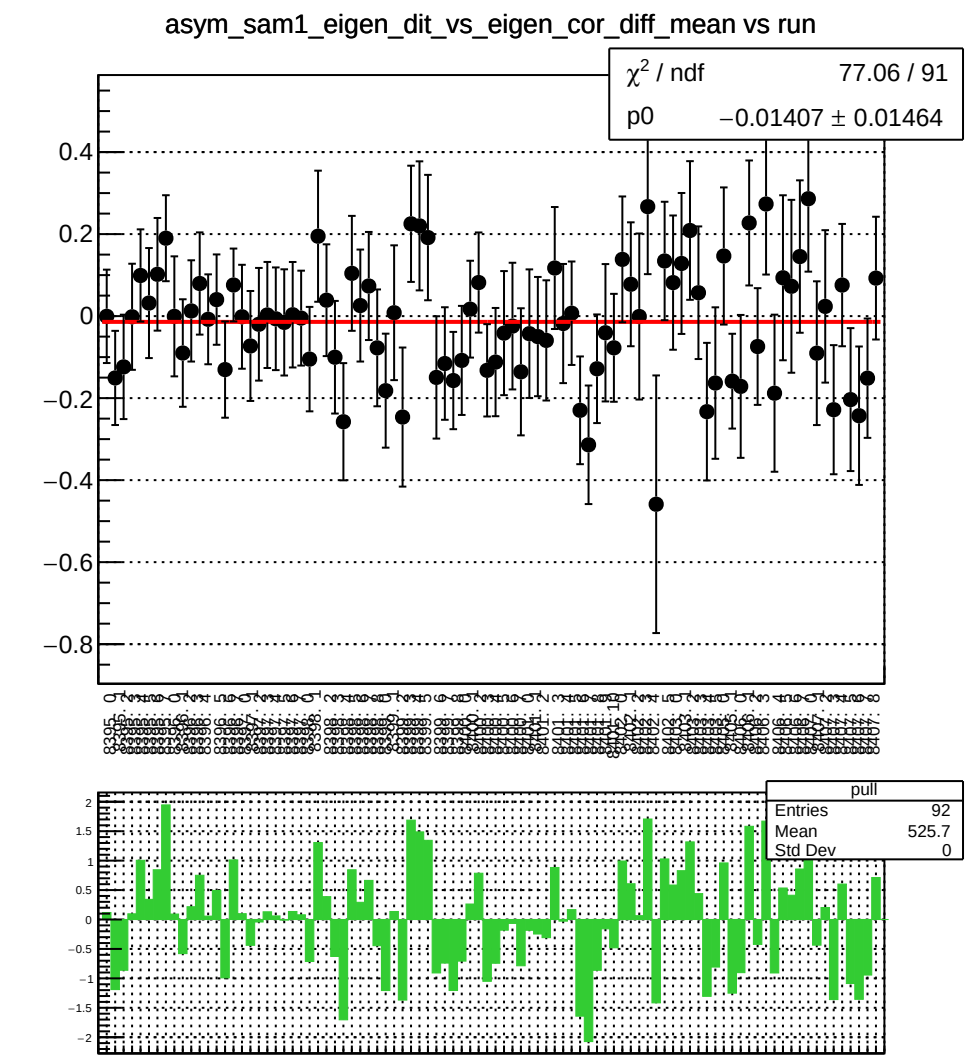

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.45 / 91
p0 7.761e−07 ± 8.341e−07
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 92
Mean 232.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

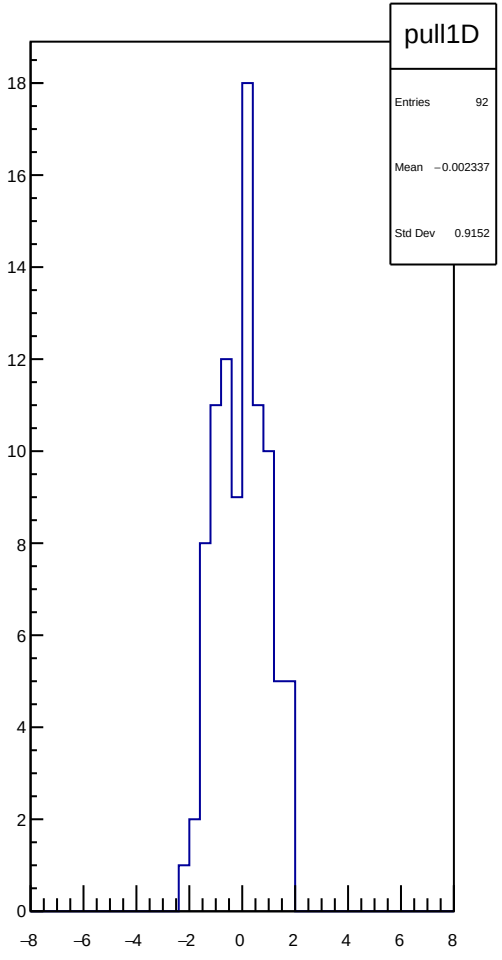

pull1D
Entries 92
Mean 0.005829
Std Dev 0.9467
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

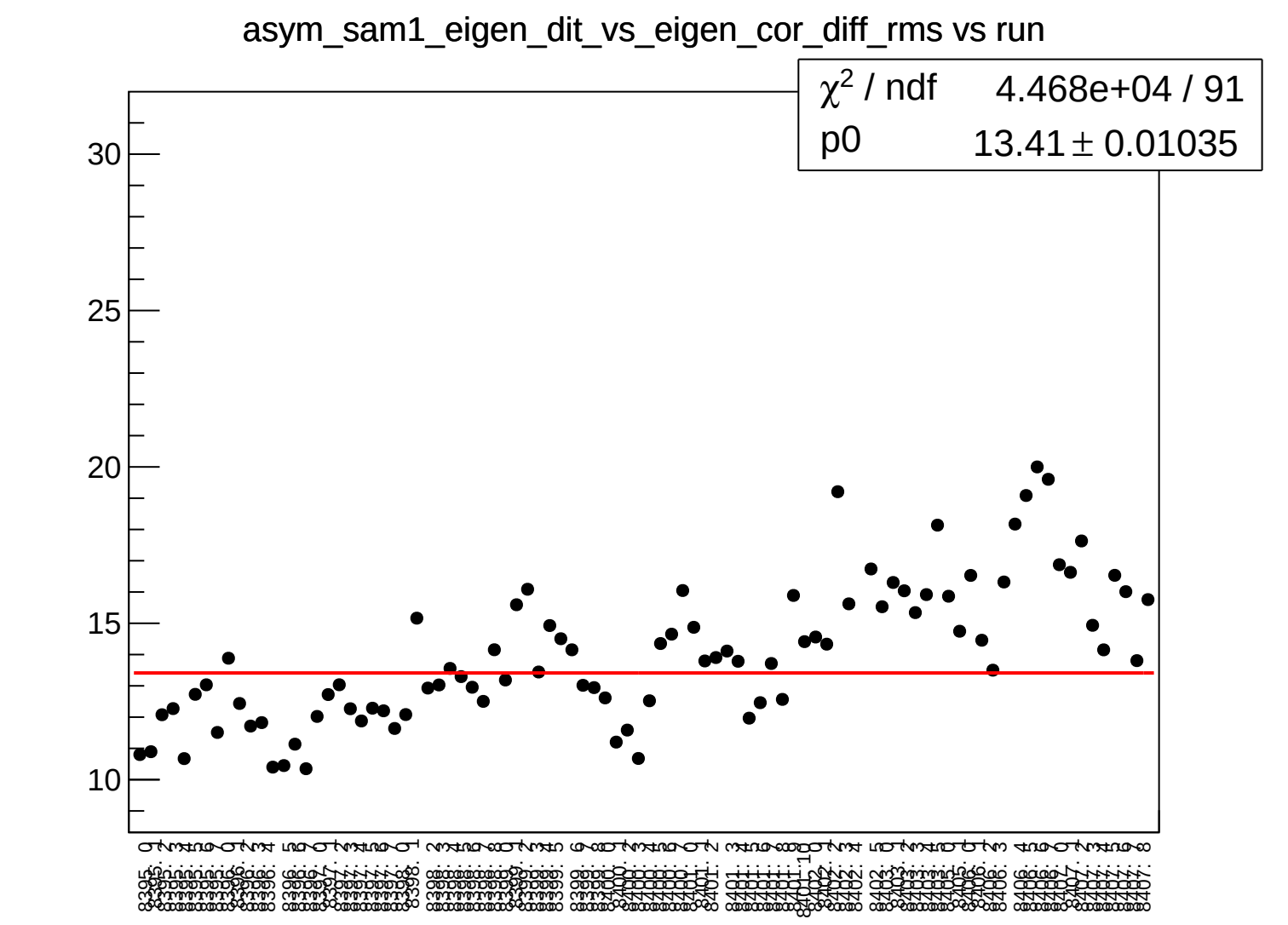

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9449 / 91
p0 0.0007722 ± 5.898e−07
0.001
0.00095
0.0009
0.00085
0.0008
0.00075
0.0007

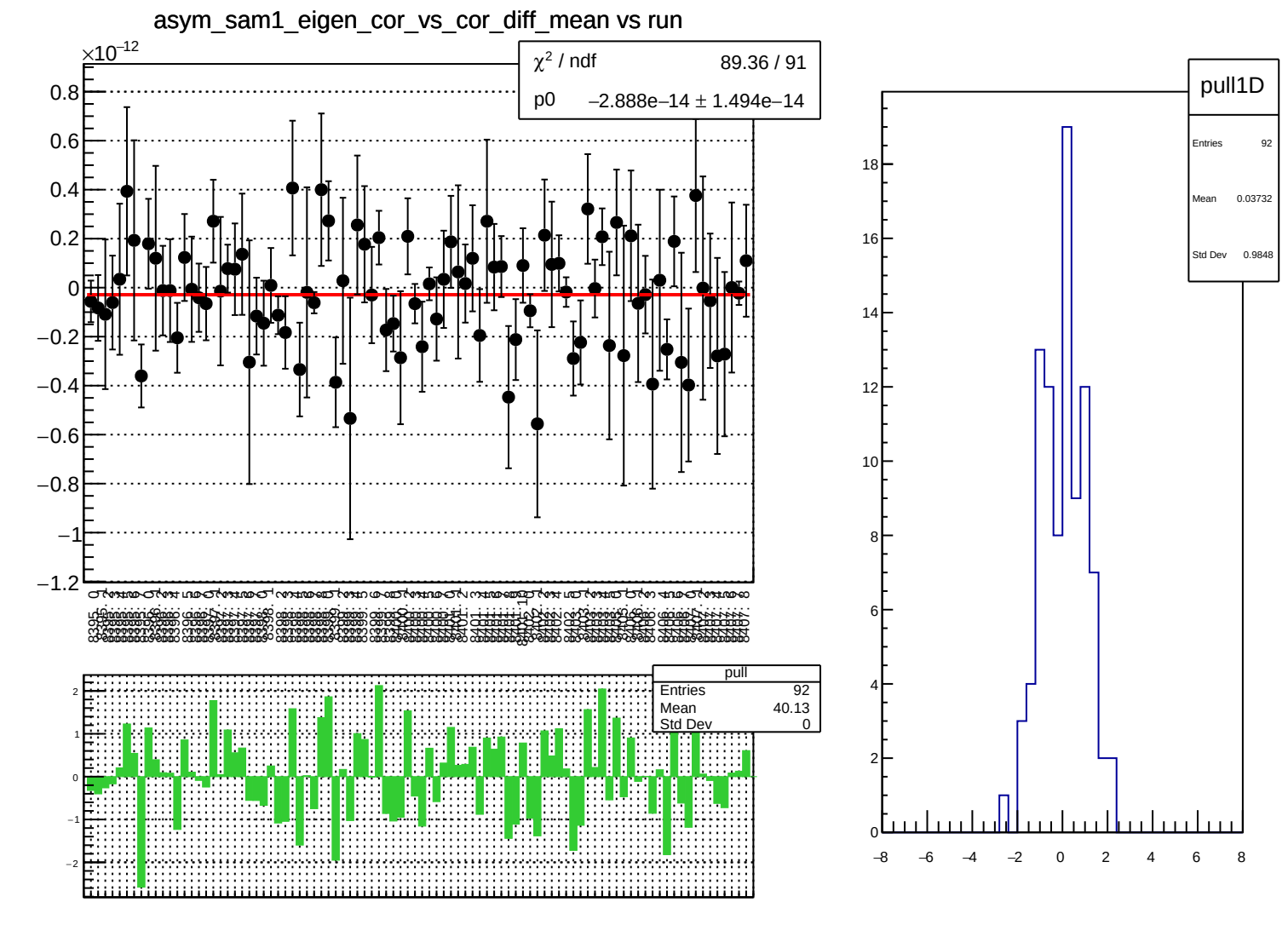

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.06 / 91
p0 −0.01407 ± 0.01464
pull
Entries 92
Mean 525.7
Std Dev 0
pull1D
Entries 92
Mean −0.002337
Std Dev 0.9152

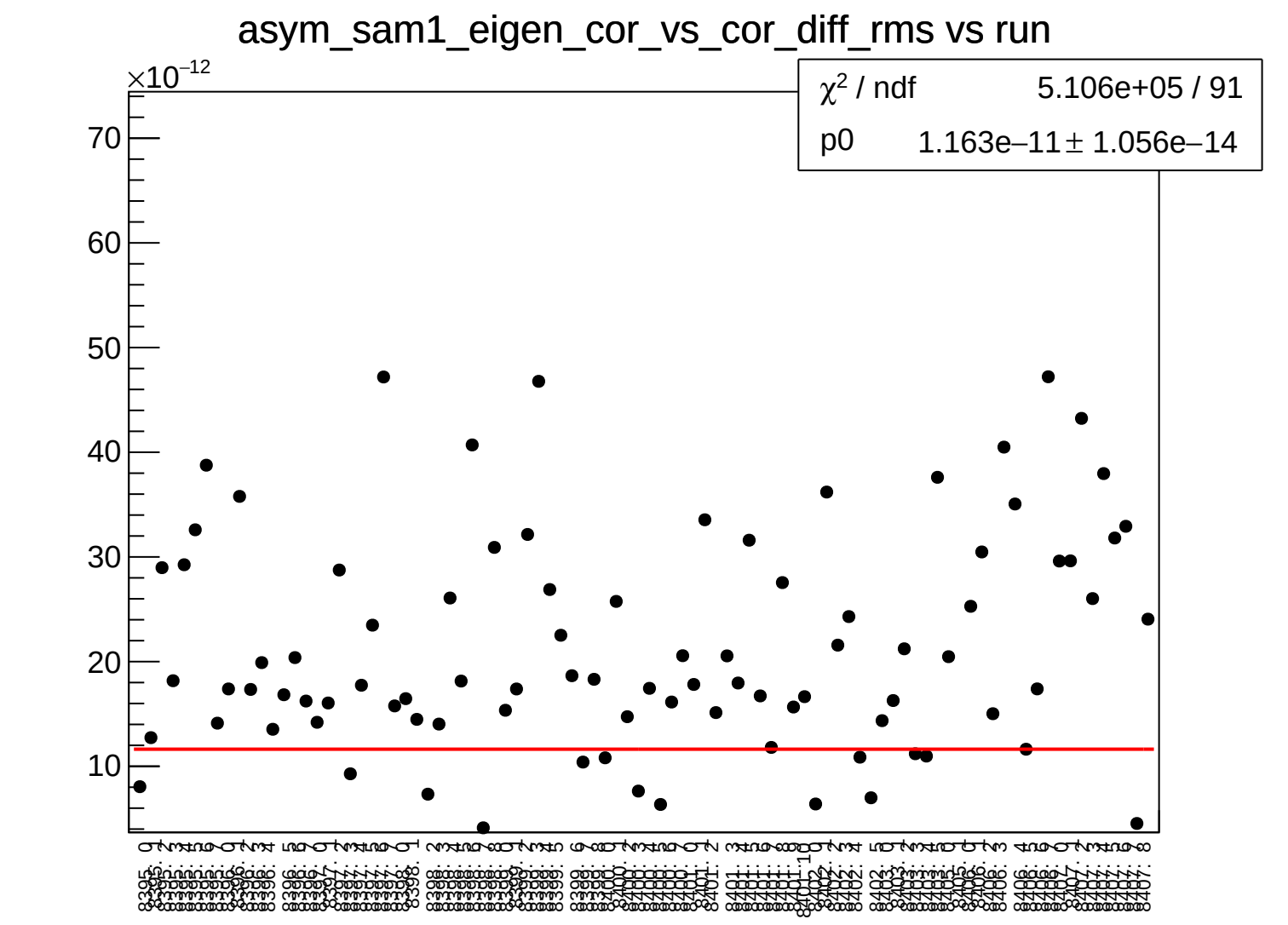

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.468e+04 / 91
p0 13.41 ± 0.01035
30
25
20
15
10

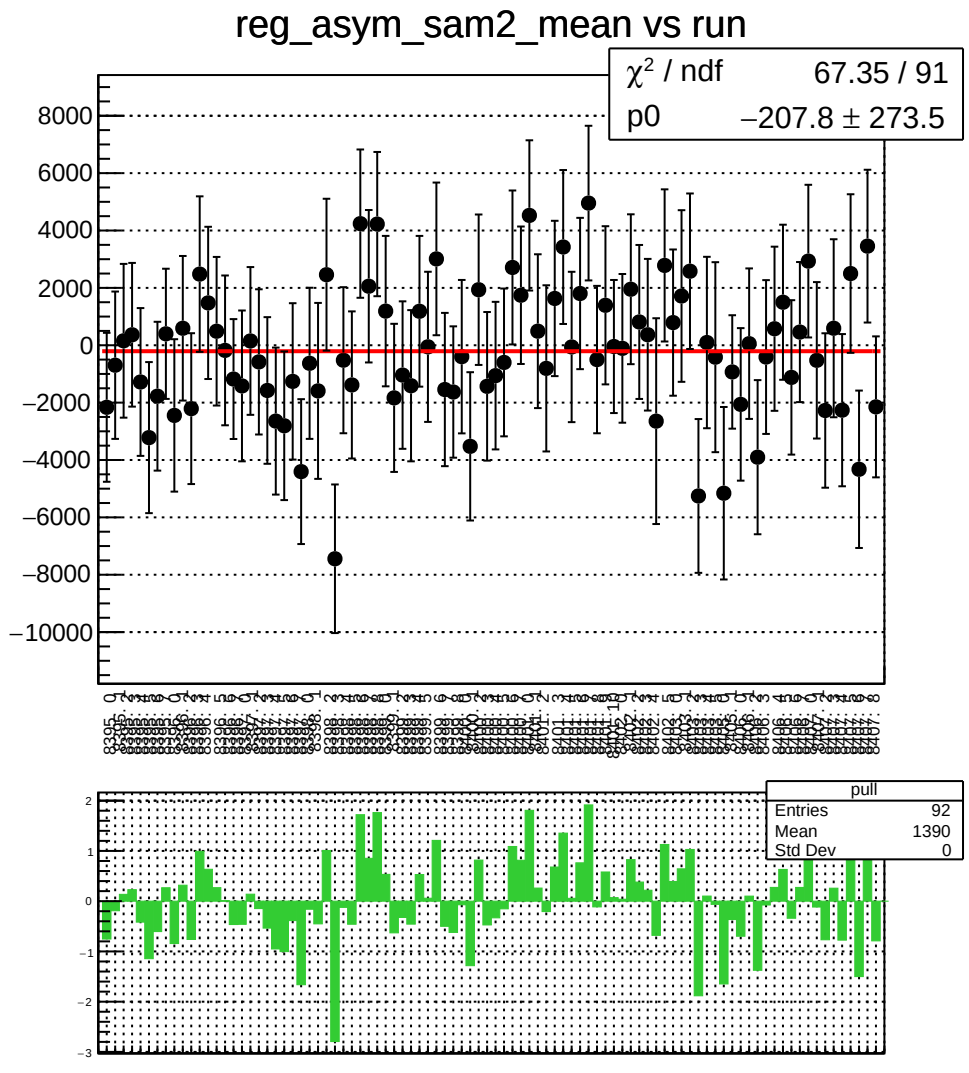

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.06 / 91
p0 −0.01407 ± 0.01464
pull
Entries 92
Mean 525.7
Std Dev 0

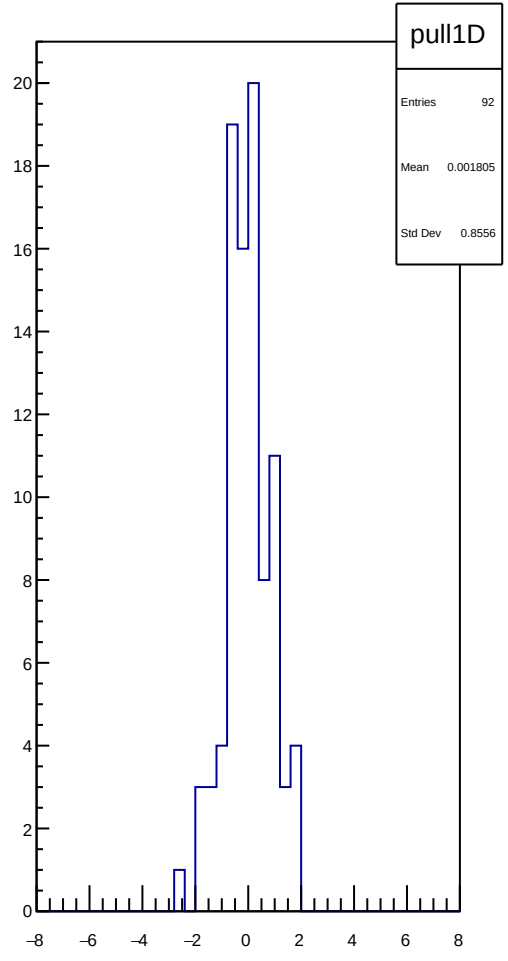

pull1D
Entries 92
Mean −0.002337
Std Dev 0.9152

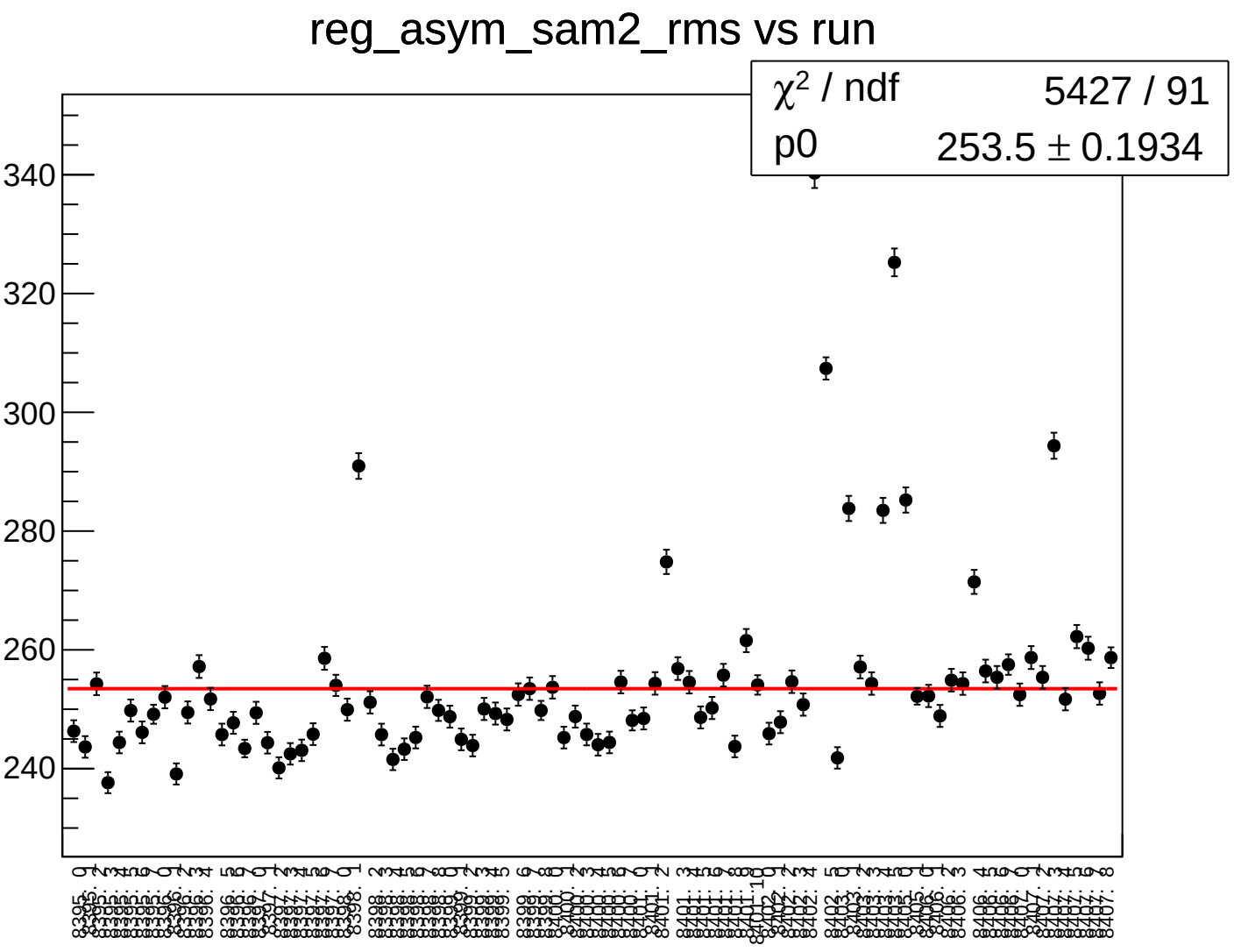

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.468e+04 / 91
p0 13.41 ± 0.01035
30
25
20
15
10

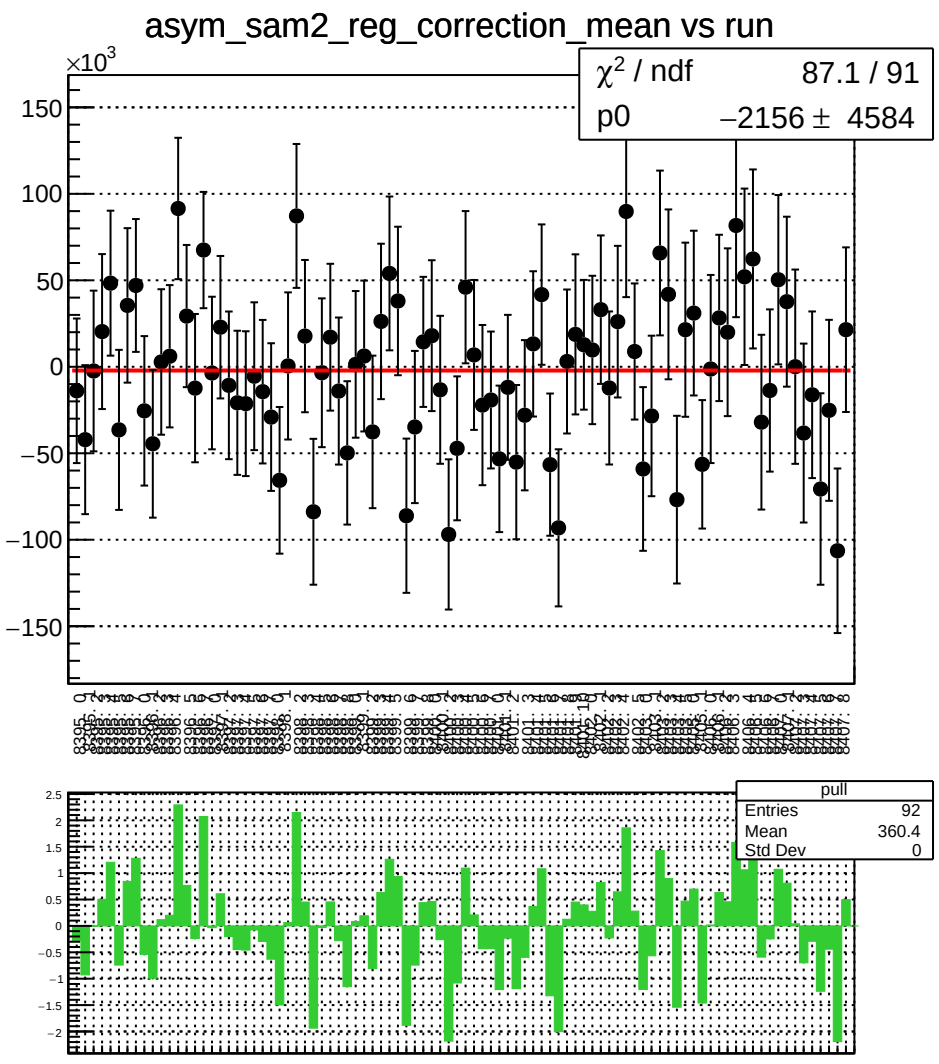

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.36 / 91
p0 −2.888e−14 ± 1.494e−14
pull
Entries 92
Mean 40.13
Std Dev 0
pull1D
Entries 92
Mean 0.03732
Std Dev 0.9848

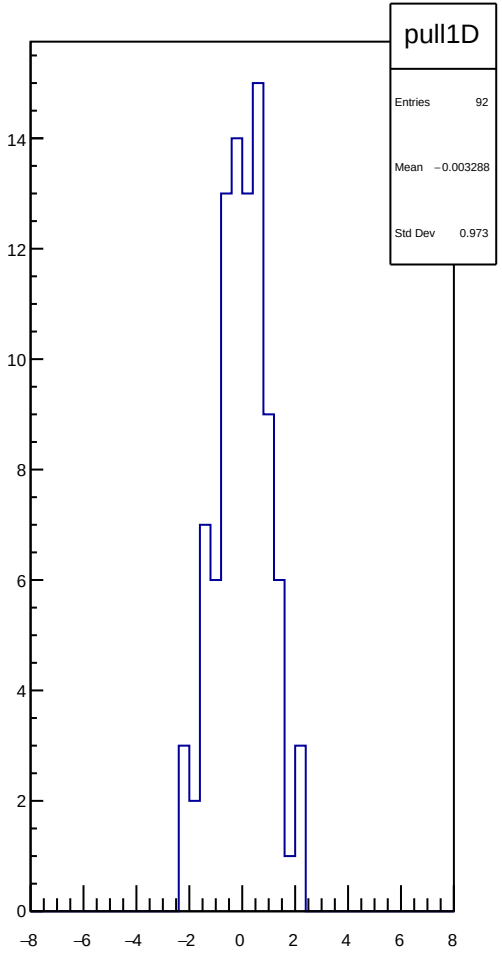

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.106e+05 / 91
p0 1.163e−11 ± 1.056e−14
70
60
50
40
30
20
10

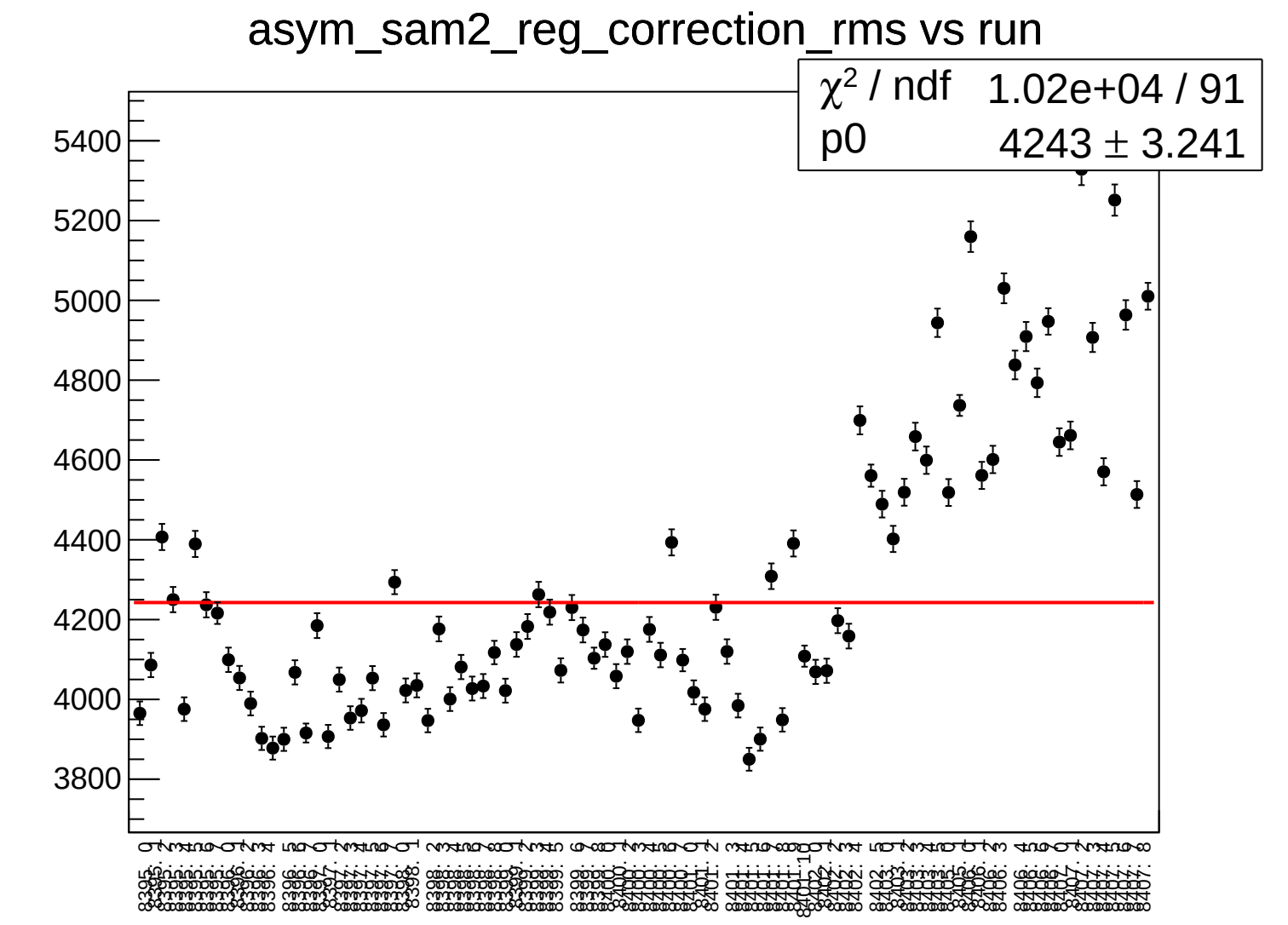

reg_asym_sam2_mean vs run
χ² / ndf 67.35 / 91
p0 −207.8 ± 273.5
pull
Entries 92
Mean 1390
Std Dev 0

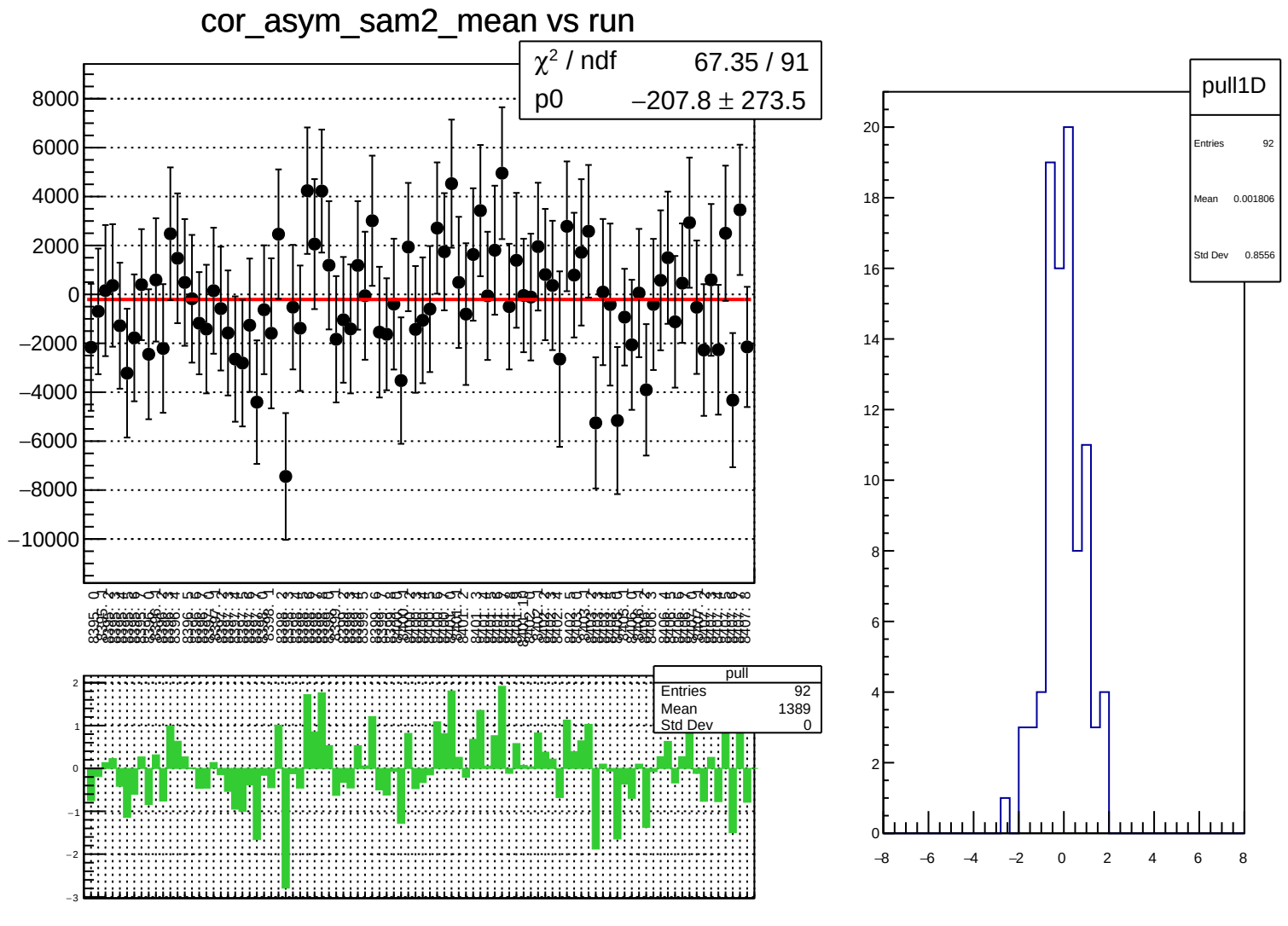

pull1D
Entries 92
Mean 0.001805
Std Dev 0.8556

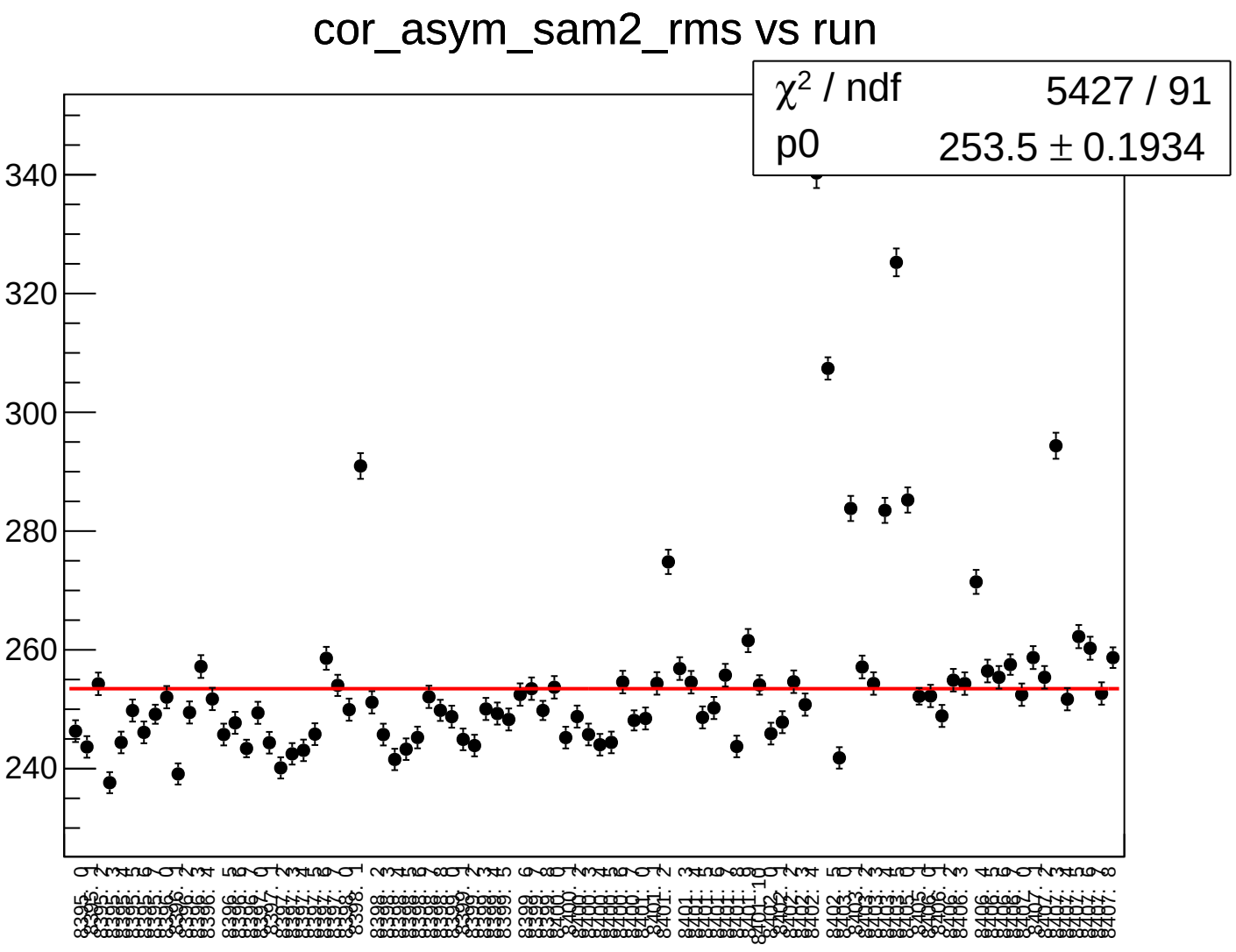

reg_asym_sam2_rms vs run
χ² / ndf 5427 / 91
p0 253.5 ± 0.1934
340
320
300
280
260
240

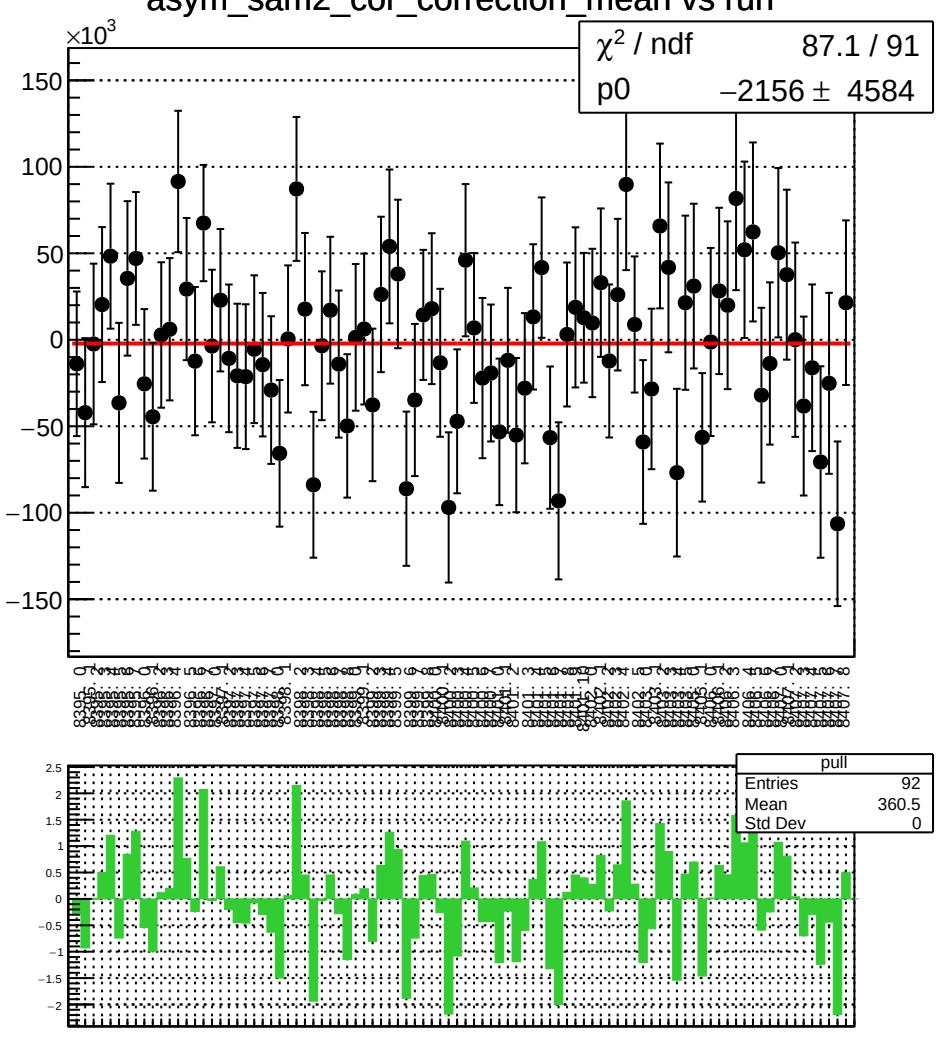

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 87.1 / 91
p0 −2156 ± 4584
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 360.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

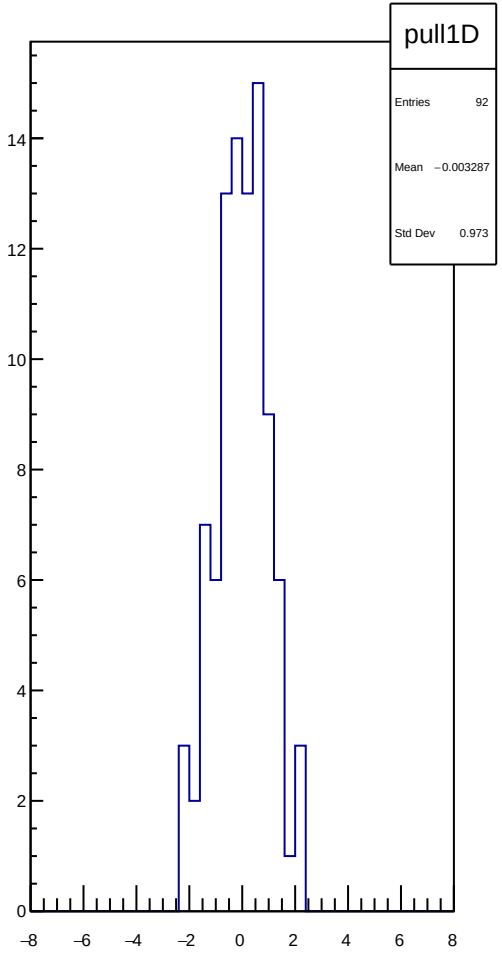

pull1D
Entries 92
Mean −0.003288
Std Dev 0.973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

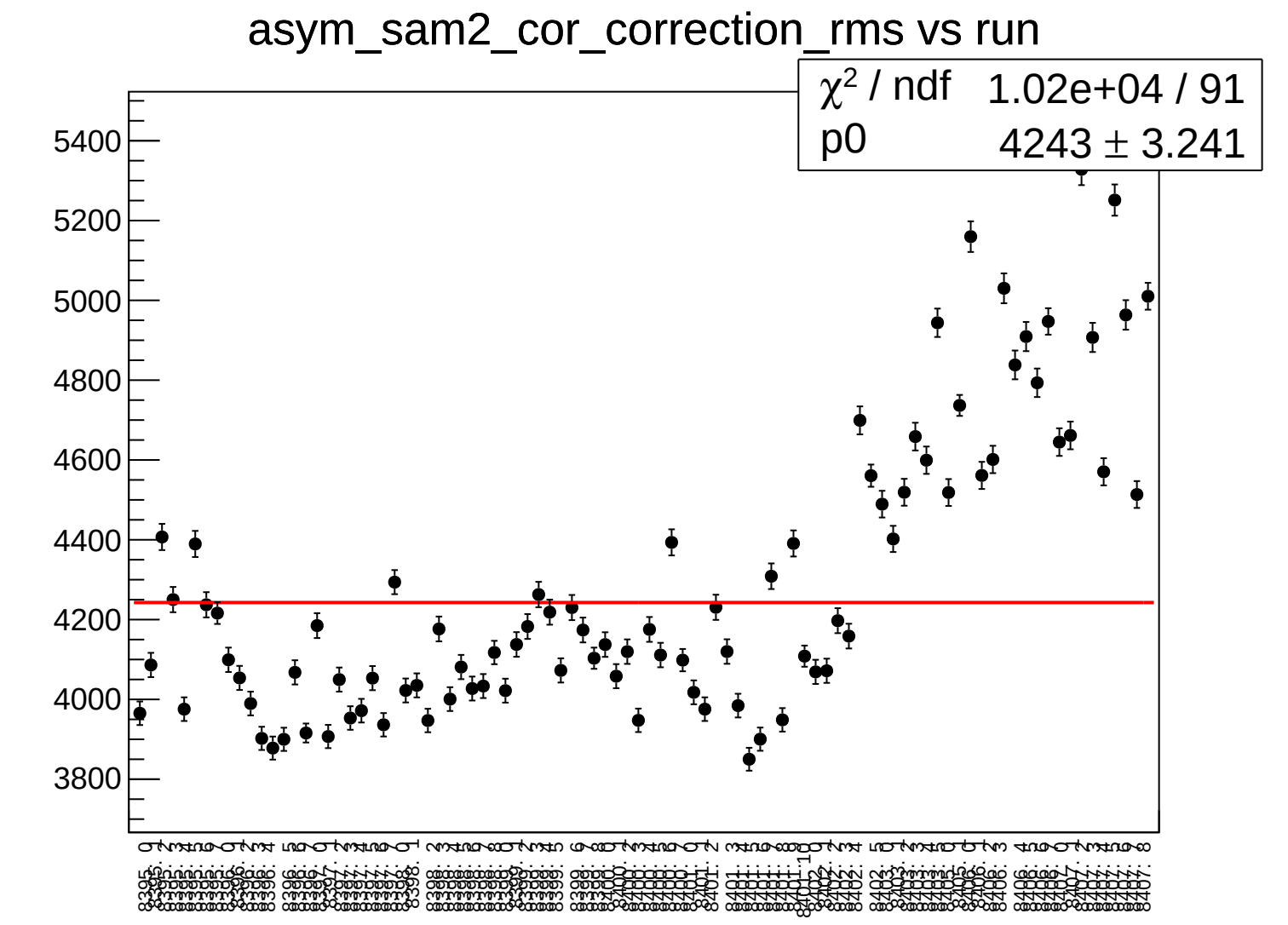

asym_sam2_reg_correction_rms vs run
χ² / ndf 1.02e+04 / 91
p0 4243 ± 3.241
5400
5200
5000
4800
4600
4400
4200
4000
3800

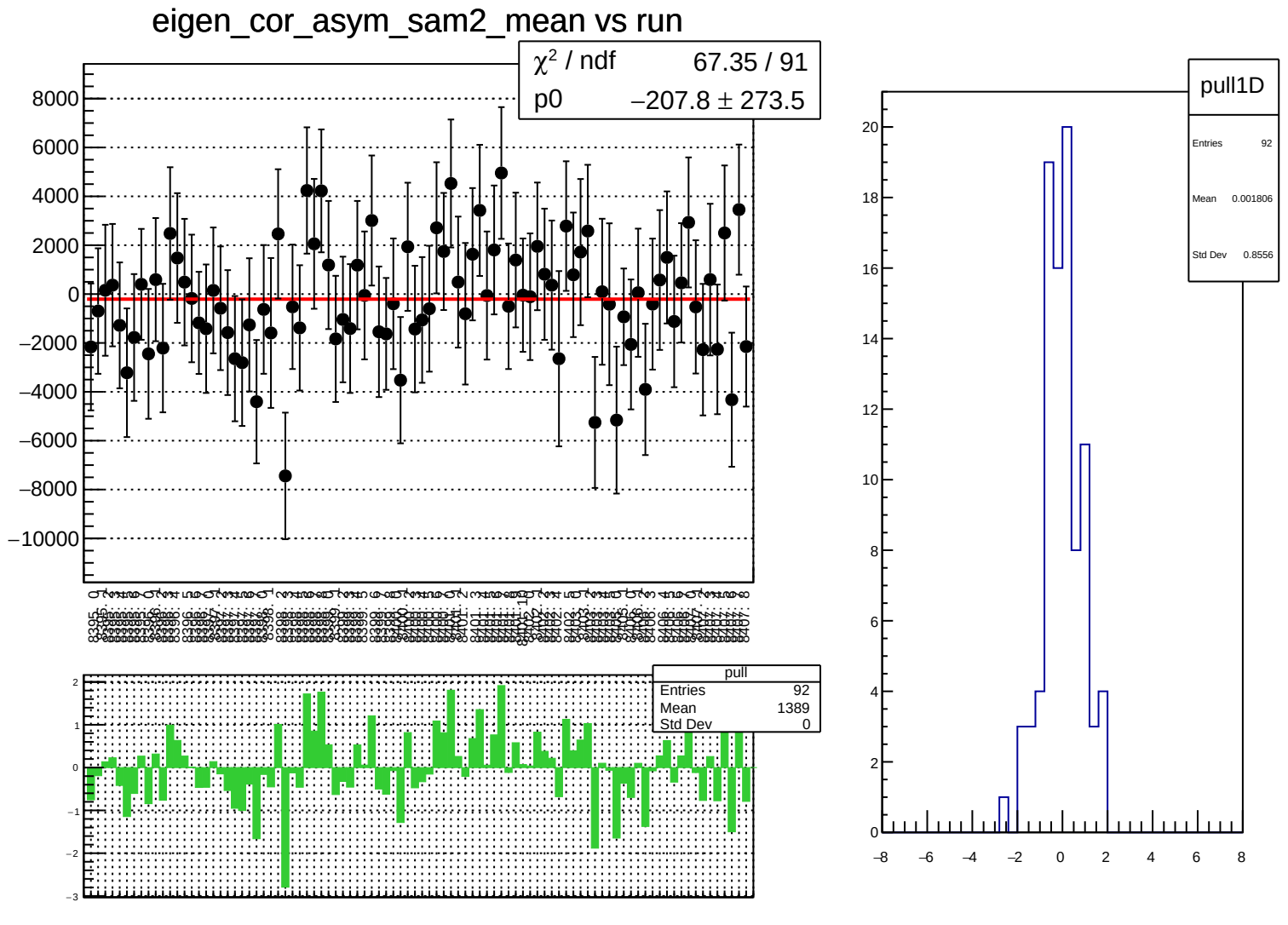

cor_asym_sam2_mean vs run
χ² / ndf 67.35 / 91
p0 −207.8 ± 273.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean 1389
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.001806
Std Dev 0.8556
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

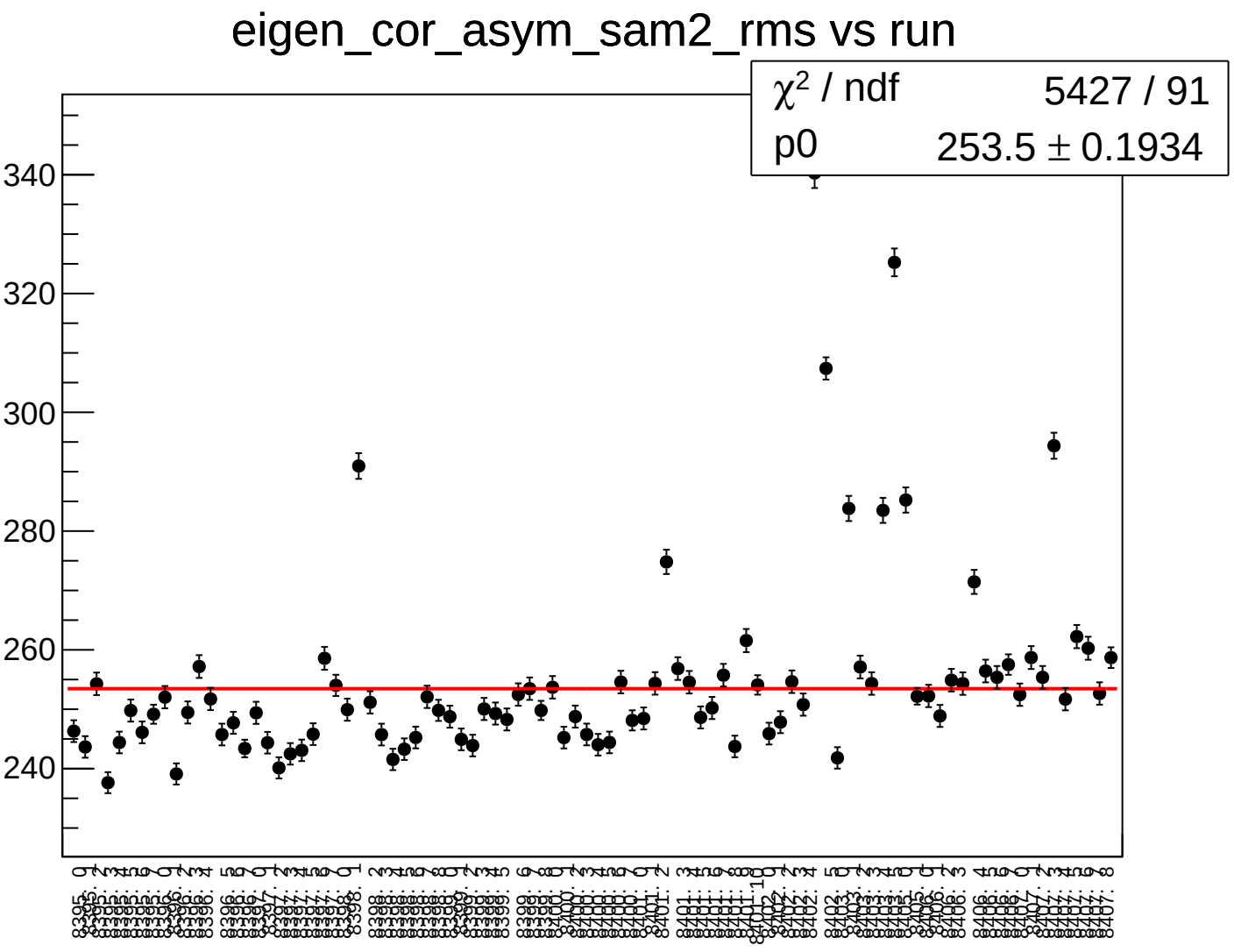

cor_asym_sam2_rms vs run
χ² / ndf 5427 / 91
p0 253.5 ± 0.1934
340
320
300
280
260
240

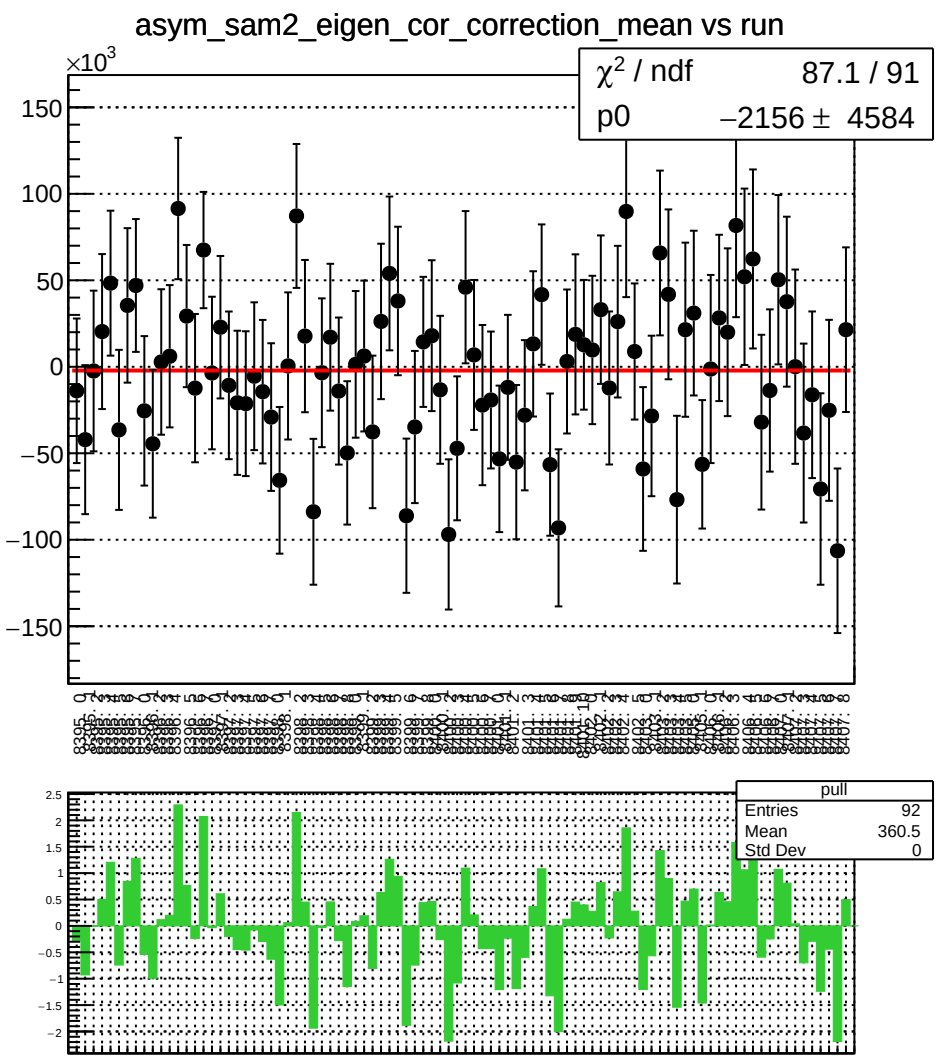

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 87.1 / 91
p0 −2156 ± 4584
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 360.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

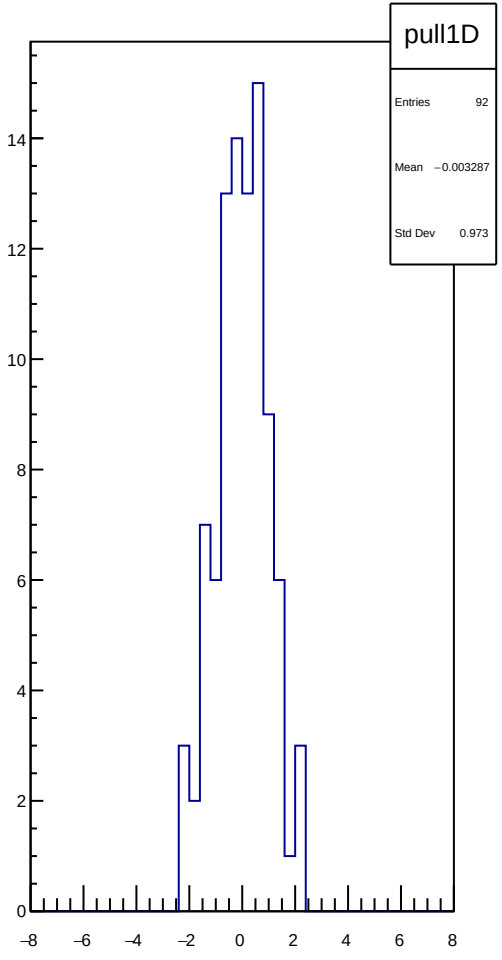

pull1D
Entries 92
Mean −0.003287
Std Dev 0.973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

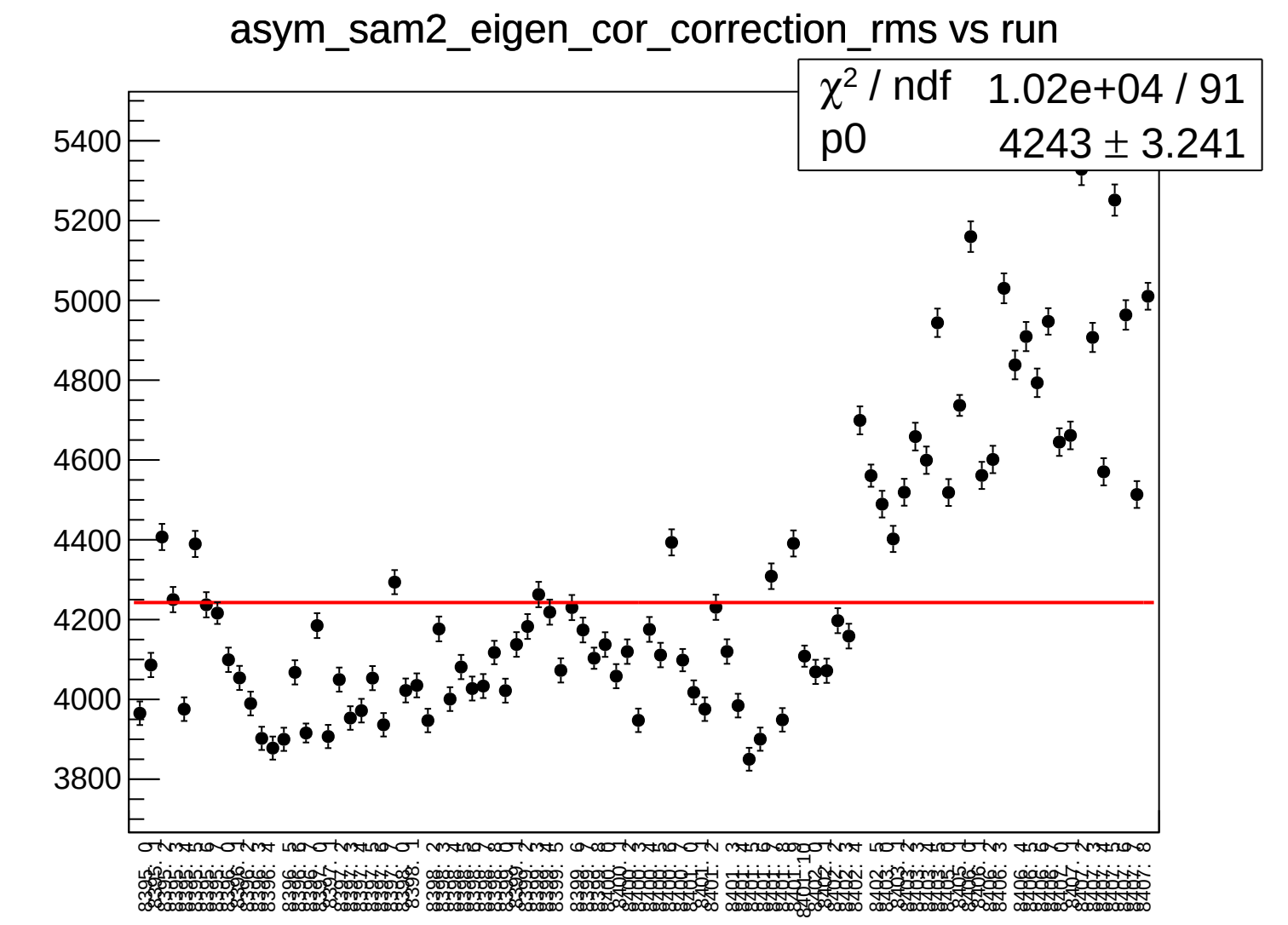

asym_sam2_cor_correction_rms vs run
χ² / ndf 1.02e+04 / 91
p0 4243 ± 3.241
5400
5200
5000
4800
4600
4400
4200
4000
3800

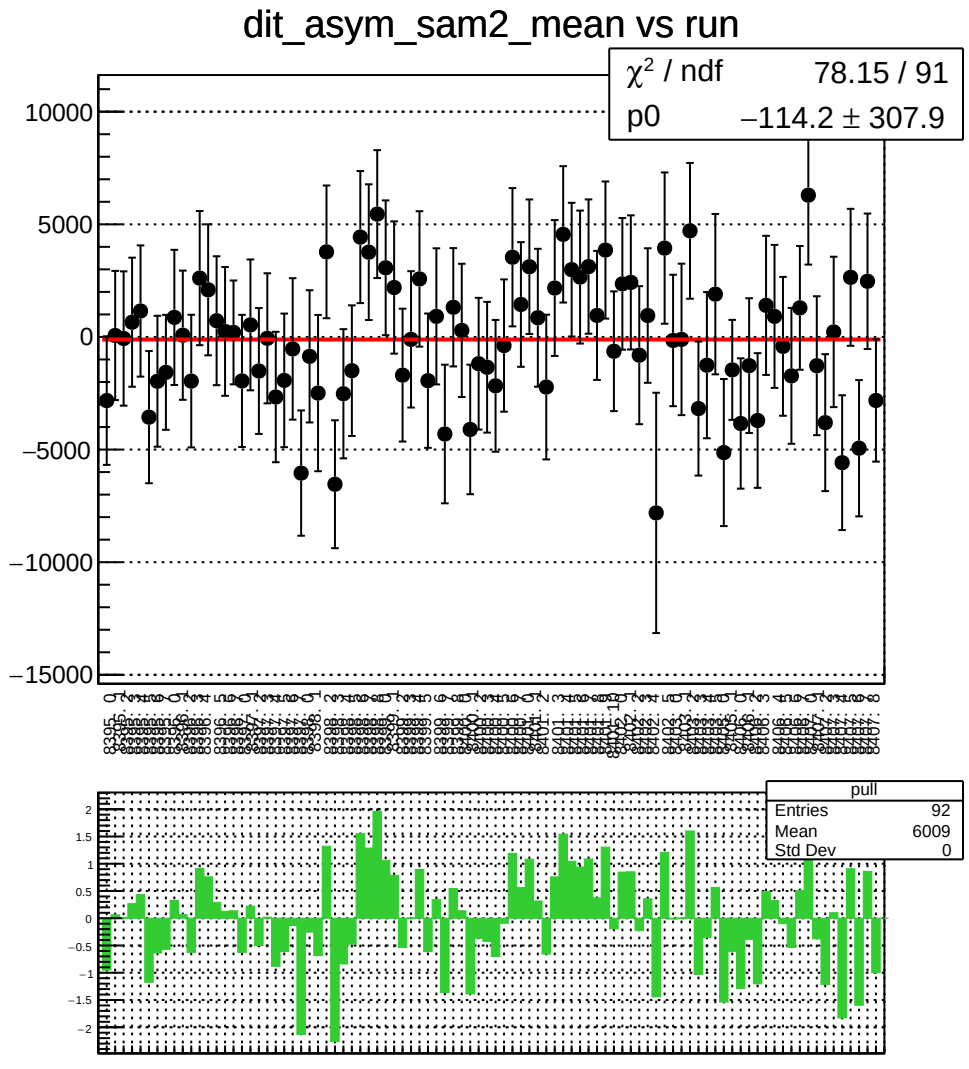

eigen_cor_asym_sam2_mean vs run
χ² / ndf 67.35 / 91
p0 −207.8 ± 273.5
pull
Entries 92
Mean 1389
Std Dev 0
pull1D
Entries 92
Mean 0.001806
Std Dev 0.8556

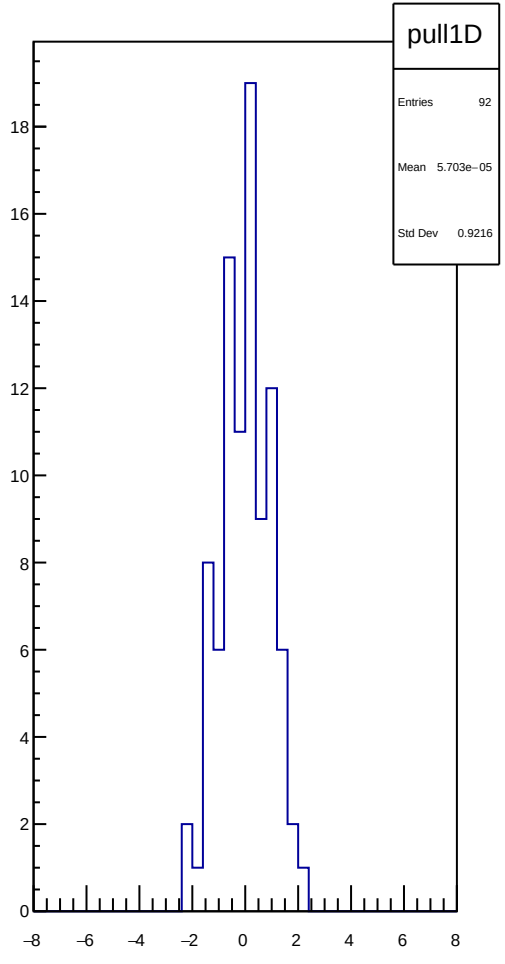

eigen_cor_asym_sam2_rms vs run
χ² / ndf 5427 / 91
p0 253.5 ± 0.1934
340
320
300
280
260
240

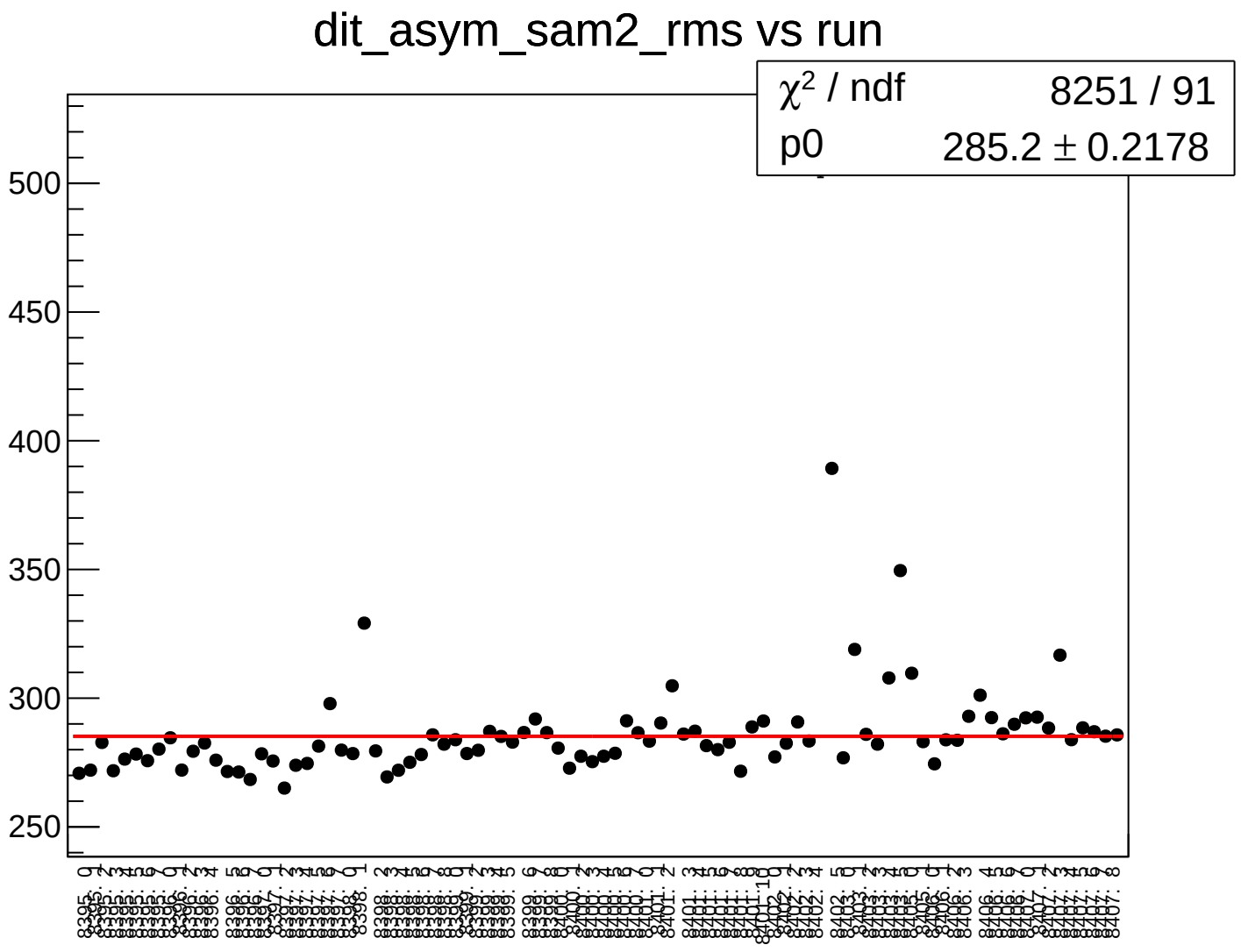

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 87.1 / 91
p0 −2156 ± 4584
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 360.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

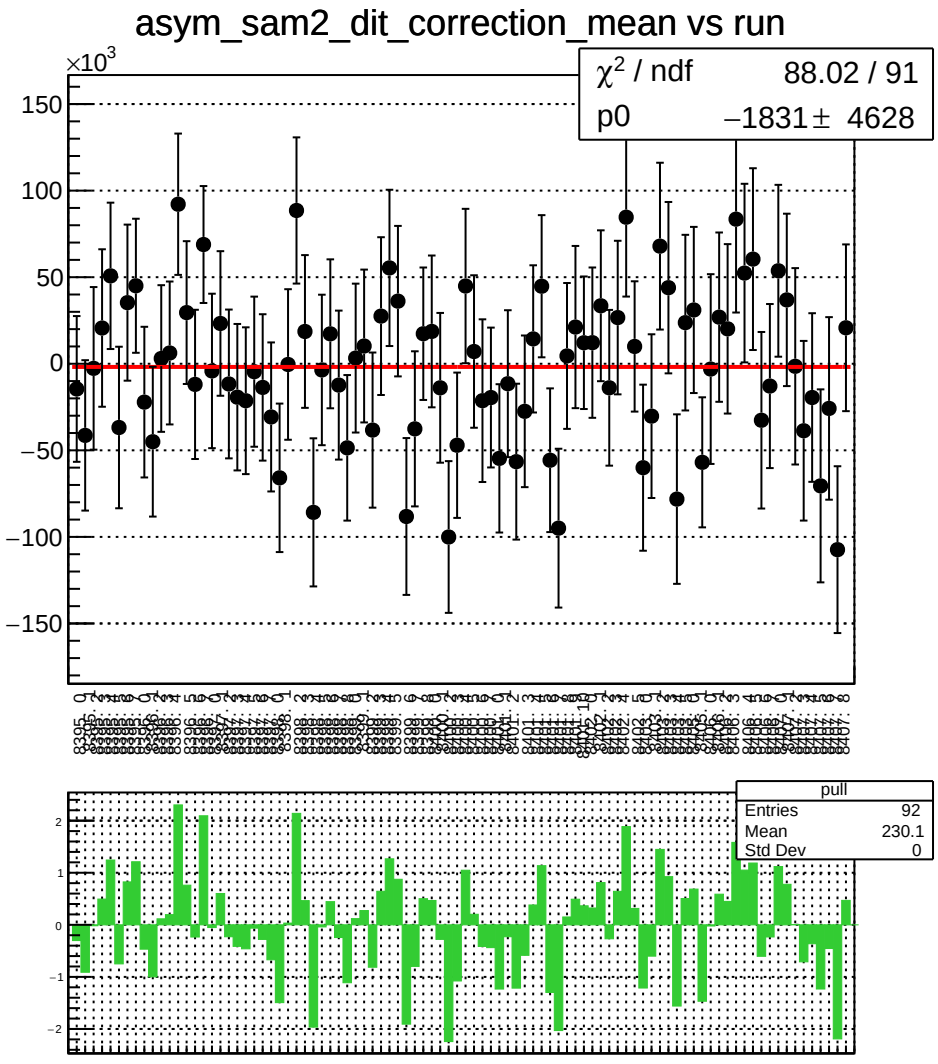

pull1D
Entries 92
Mean −0.003287
Std Dev 0.973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

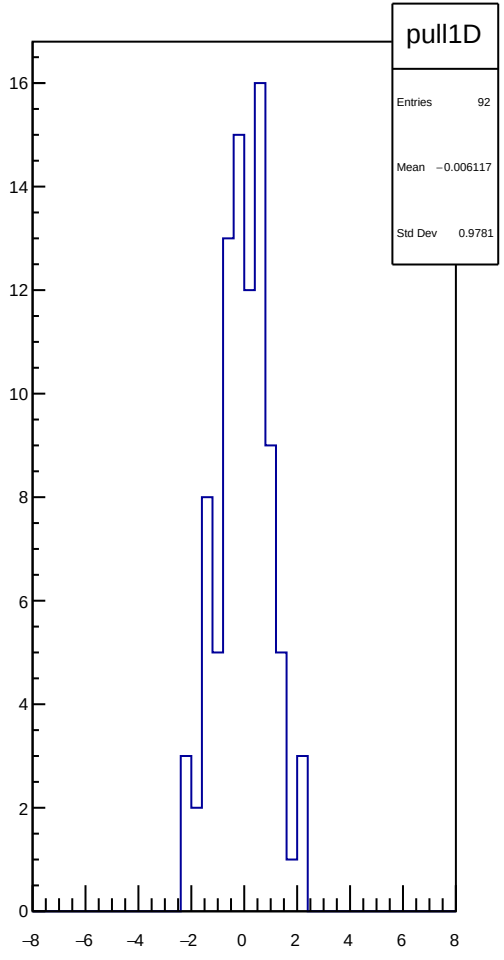

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1.02e+04 / 91
p0 4243 ± 3.241
5400
5200
5000
4800
4600
4400
4200
4000
3800

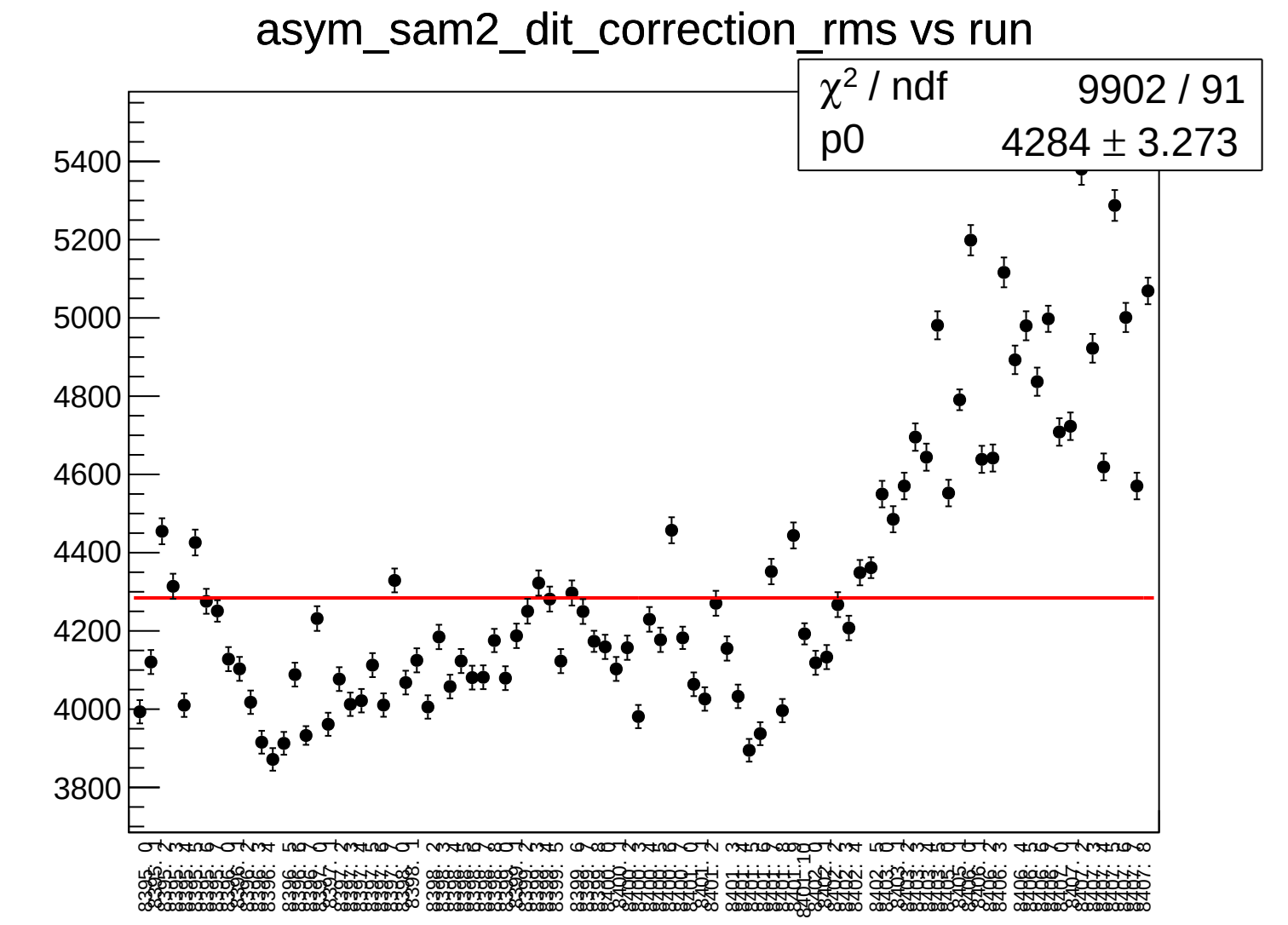

dit_asym_sam2_mean vs run
χ² / ndf 78.15 / 91
p0 −114.2 ± 307.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 6009
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

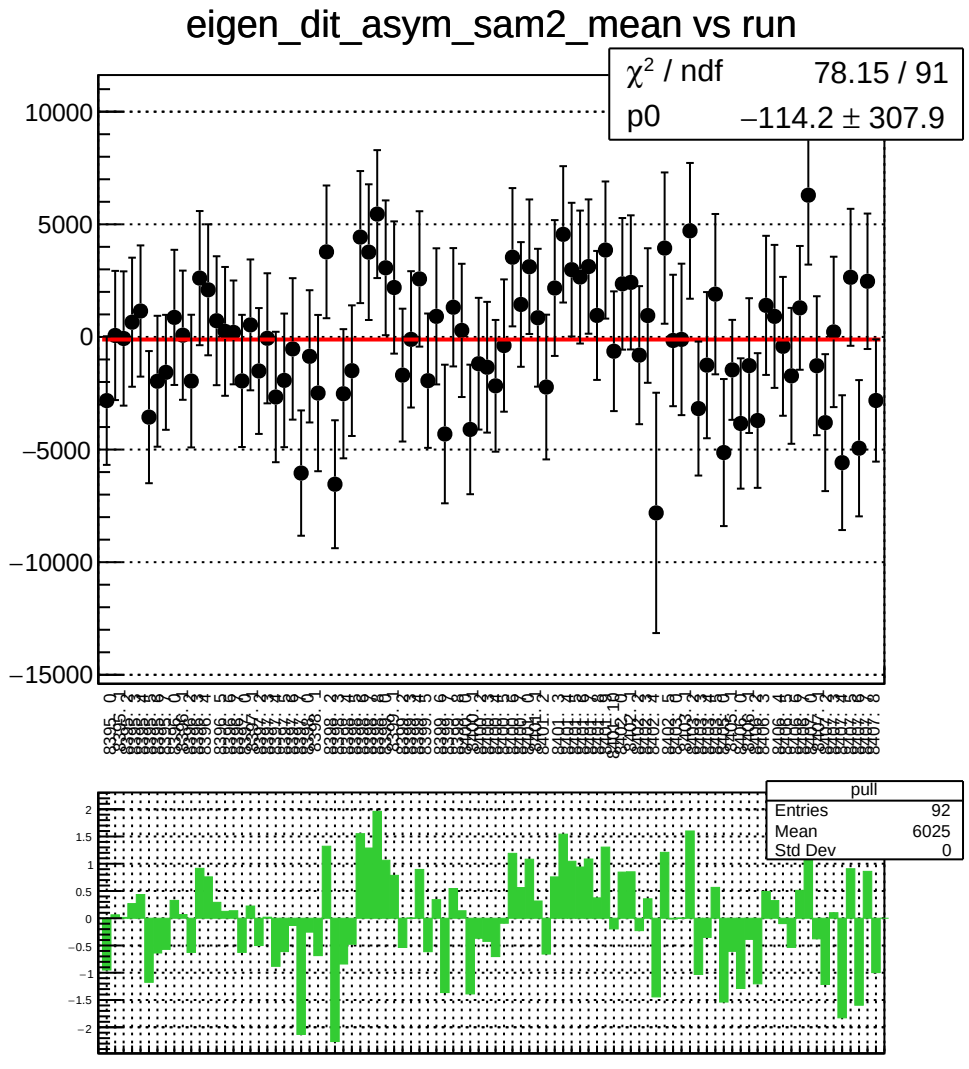

pull1D
Entries 92
Mean 5.703e−05
Std Dev 0.9216
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

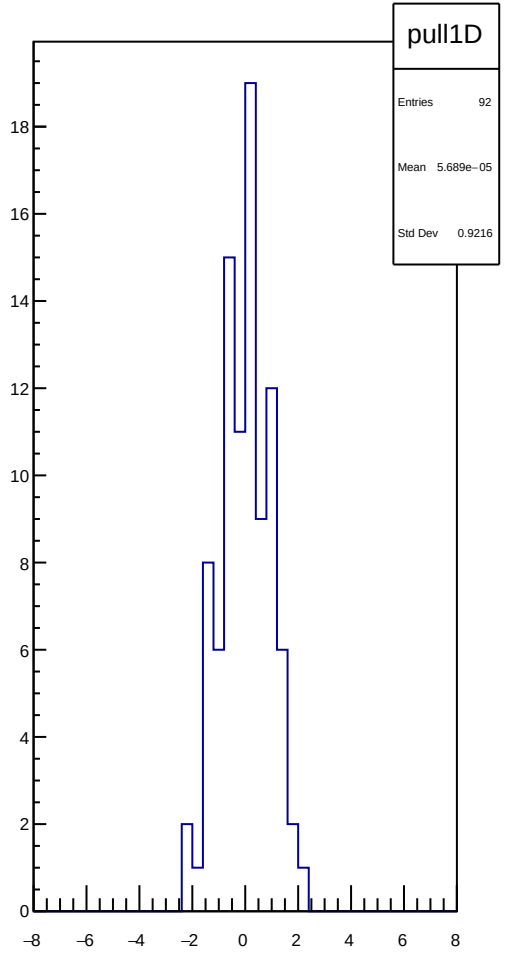

dit_asym_sam2_rms vs run
χ² / ndf 8251 / 91
p0 285.2 ± 0.2178
500
450
400
350
300
250

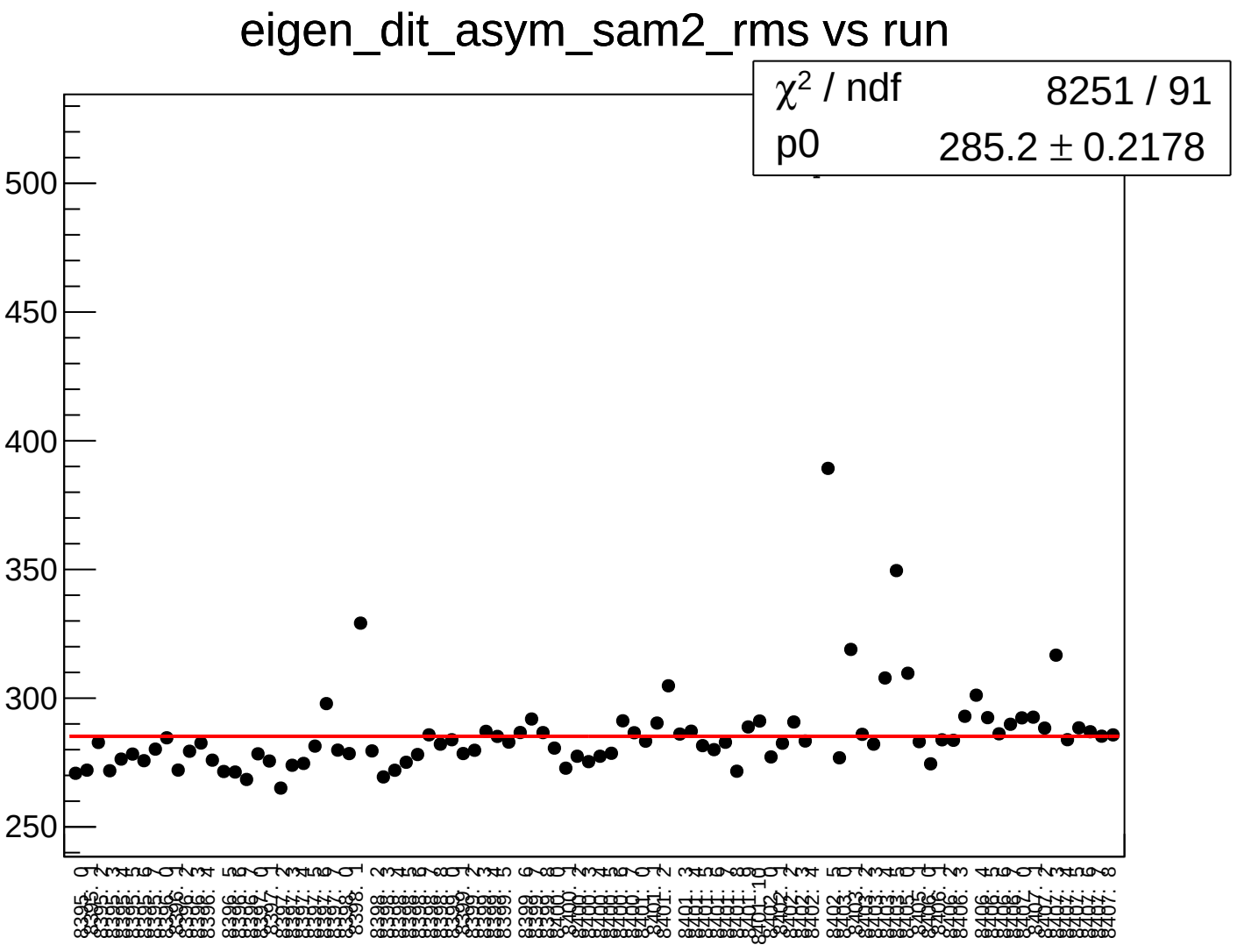

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 88.02 / 91
p0 −1831 ± 4628
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 230.1
Std Dev 0
2
1
0
−1
−2

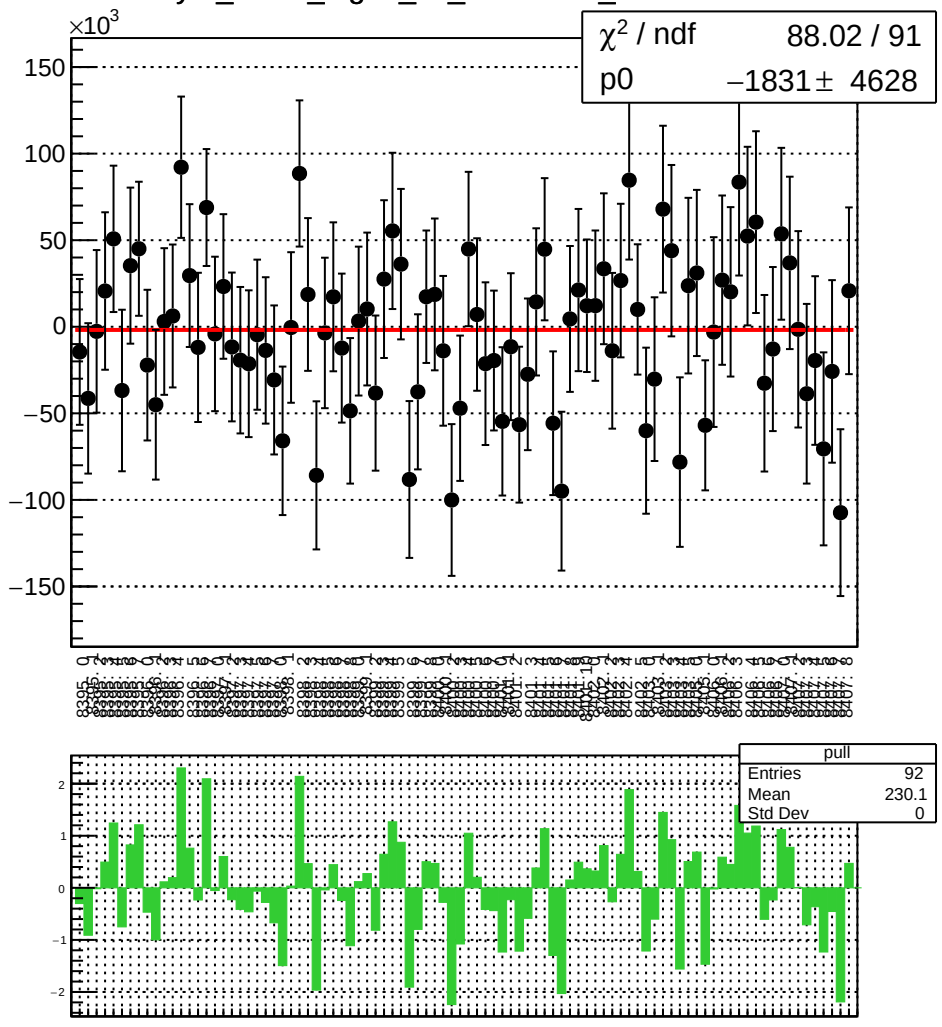

pull1D
Entries 92
Mean −0.006117
Std Dev 0.9781
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

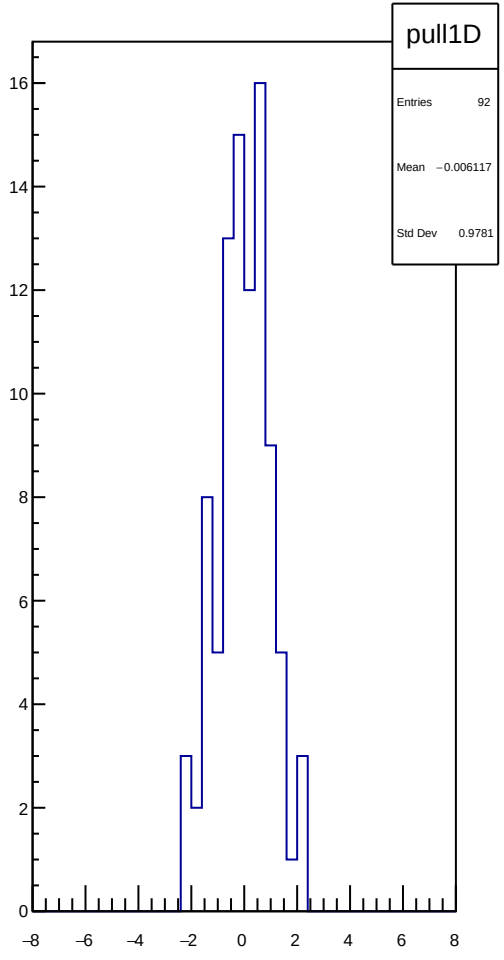

asym_sam2_dit_correction_rms vs run
$\chi^2$ / ndf 9902 / 91
p0 4284 ± 3.273
5400
5200
5000
4800
4600
4400
4200
4000
3800

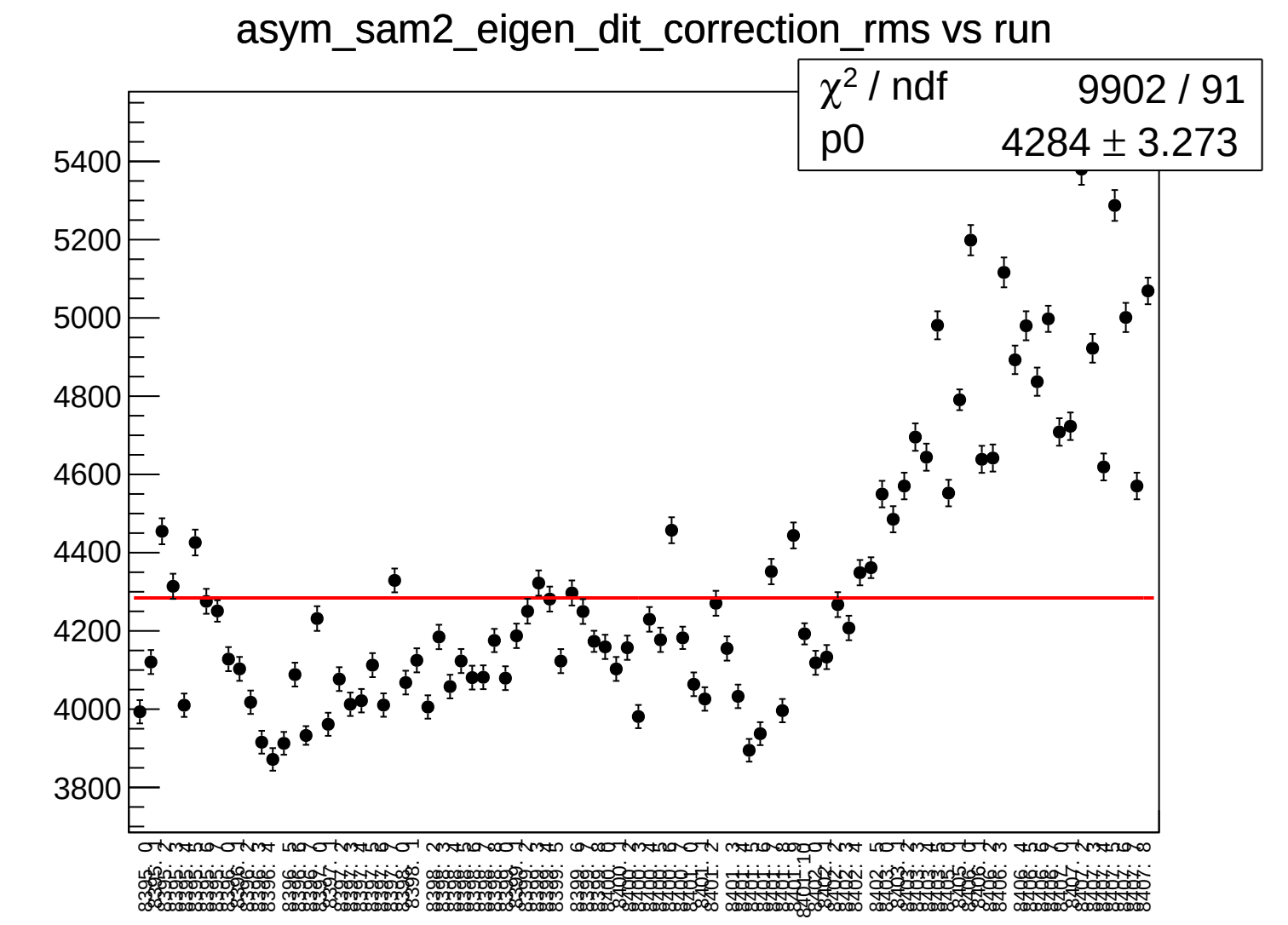

eigen_dit_asym_sam2_mean vs run
χ² / ndf 78.15 / 91
p0 −114.2 ± 307.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 6025
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

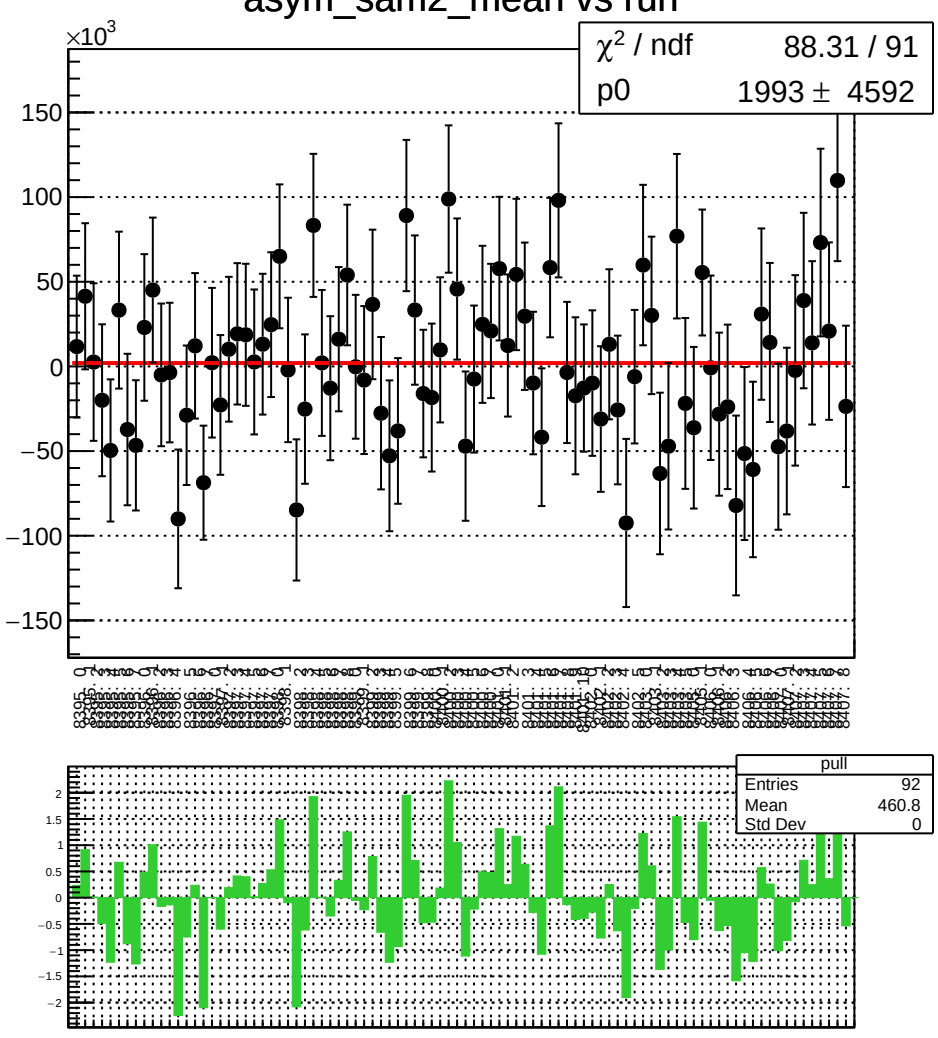

pull1D
Entries 92
Mean 5.689e−05
Std Dev 0.9216
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

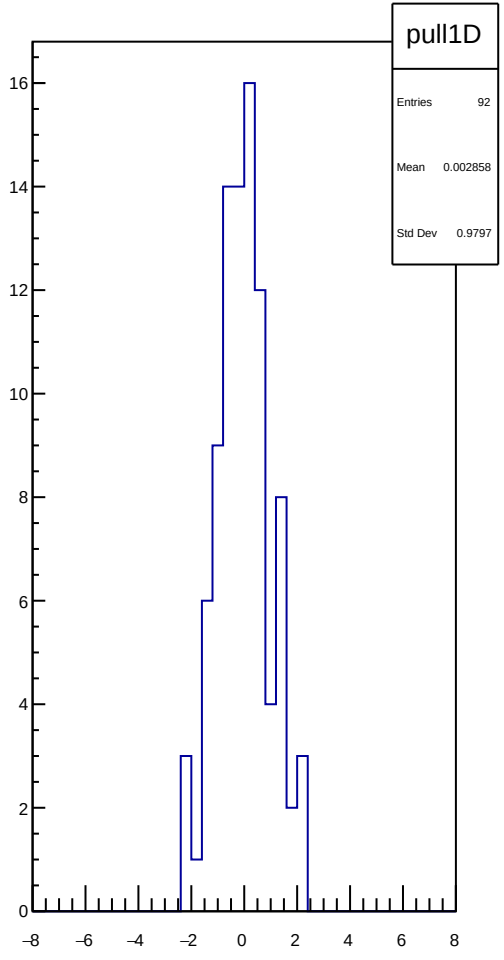

eigen_dit_asym_sam2_rms vs run
χ² / ndf 8251 / 91
p0 285.2 ± 0.2178
500
450
400
350
300
250

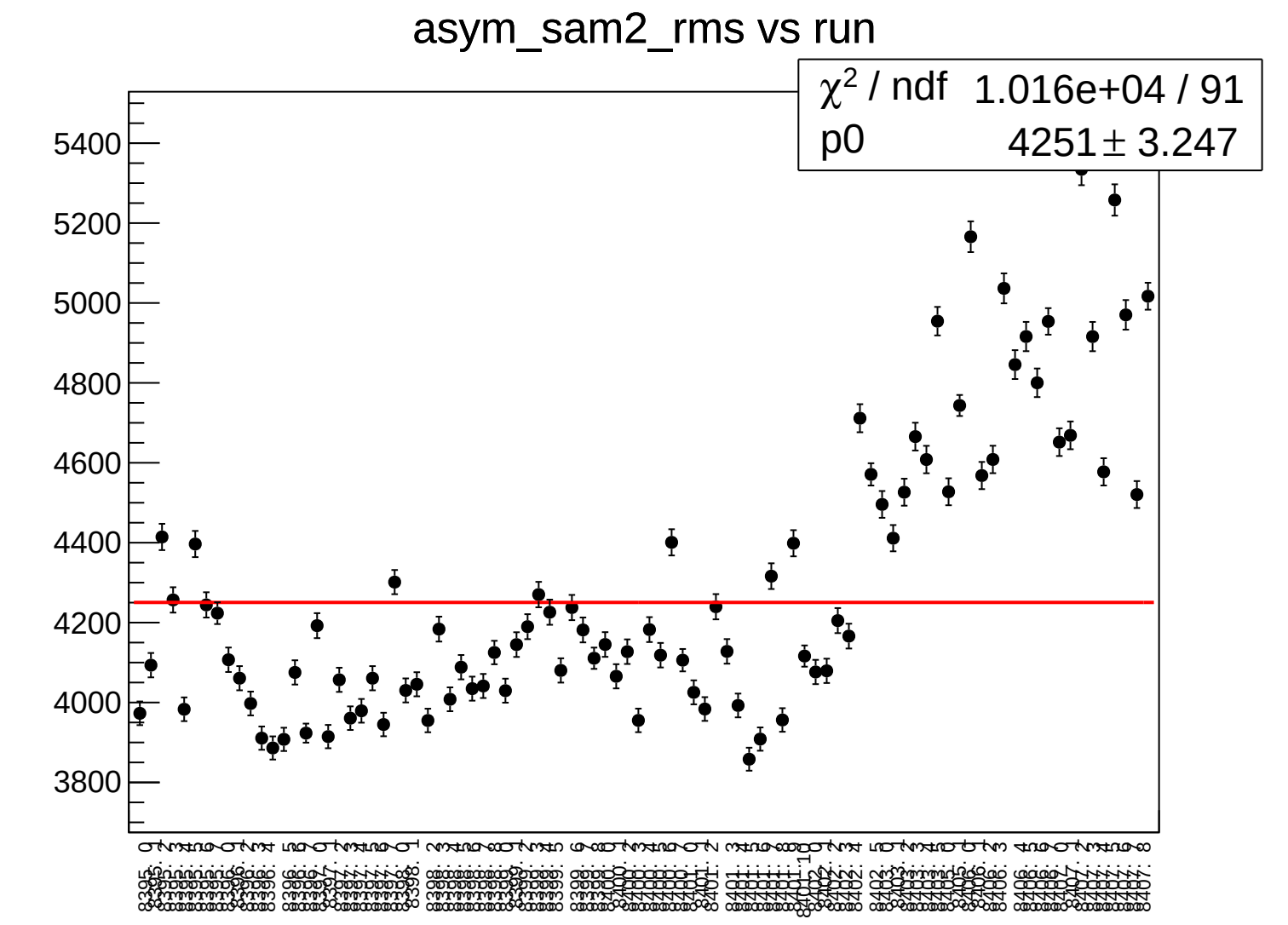

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 88.02 / 91
p0 −1831 ± 4628
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 230.1
Std Dev 0
2
1
0
−1
−2

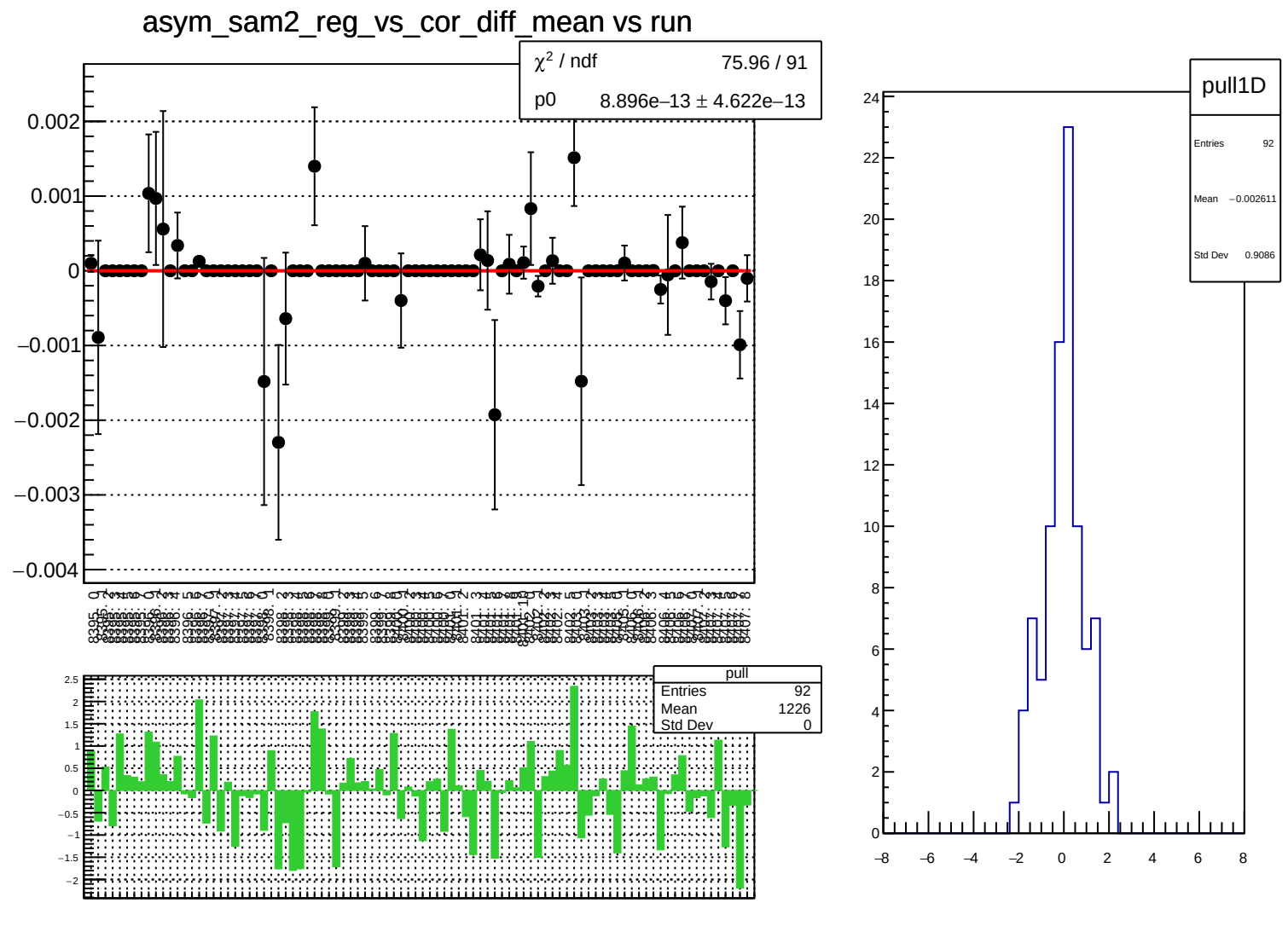

pull1D
Entries 92
Mean −0.006117
Std Dev 0.9781
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

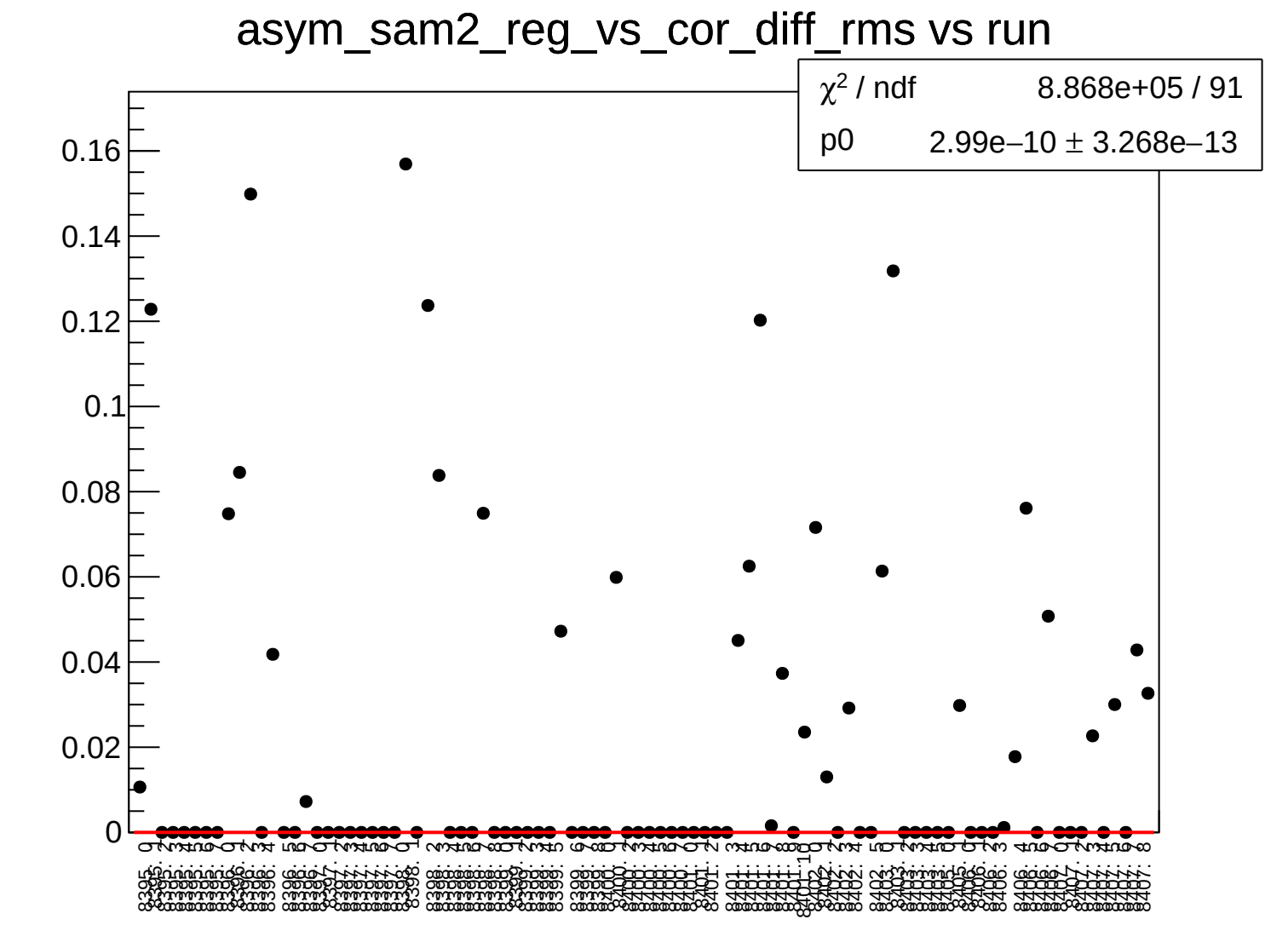

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 9902 / 91
p0 4284 ± 3.273
5400
5200
5000
4800
4600
4400
4200
4000
3800

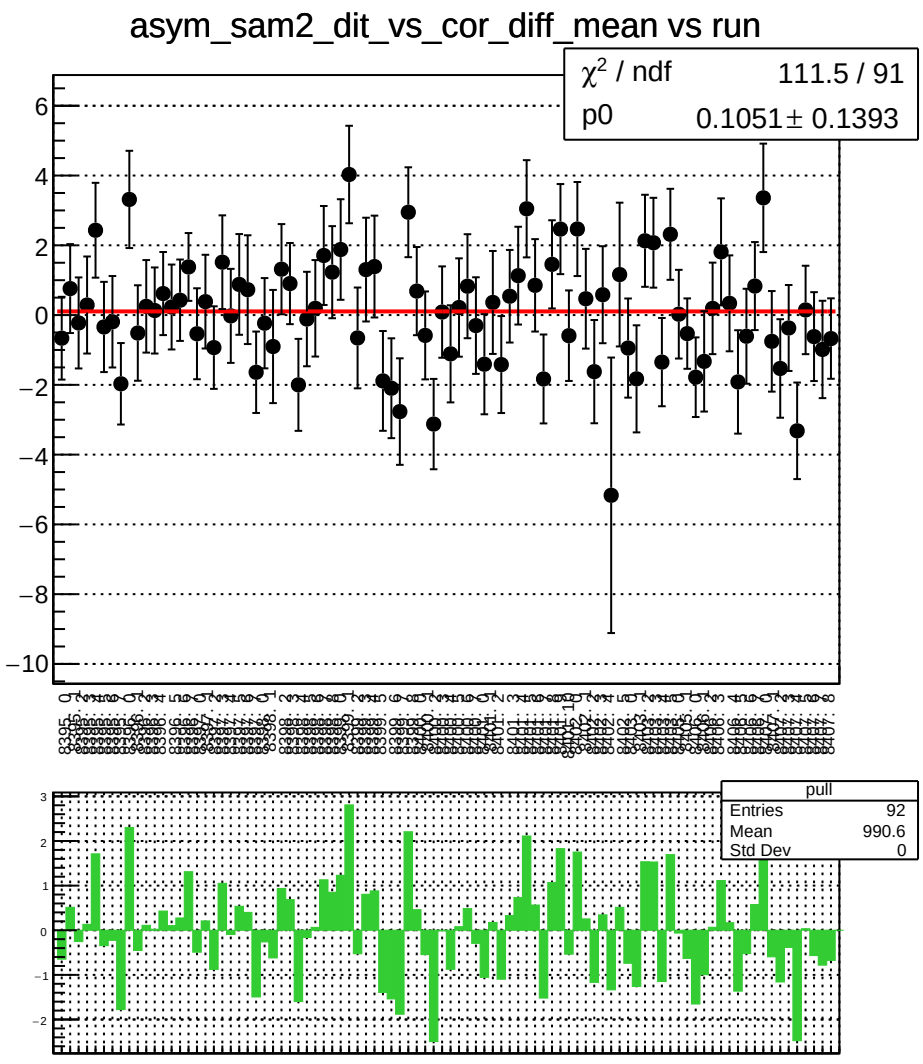

asym_sam2_mean vs run
×10^3
χ^2 / ndf 88.31 / 91
p0 1993 ± 4592
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 460.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

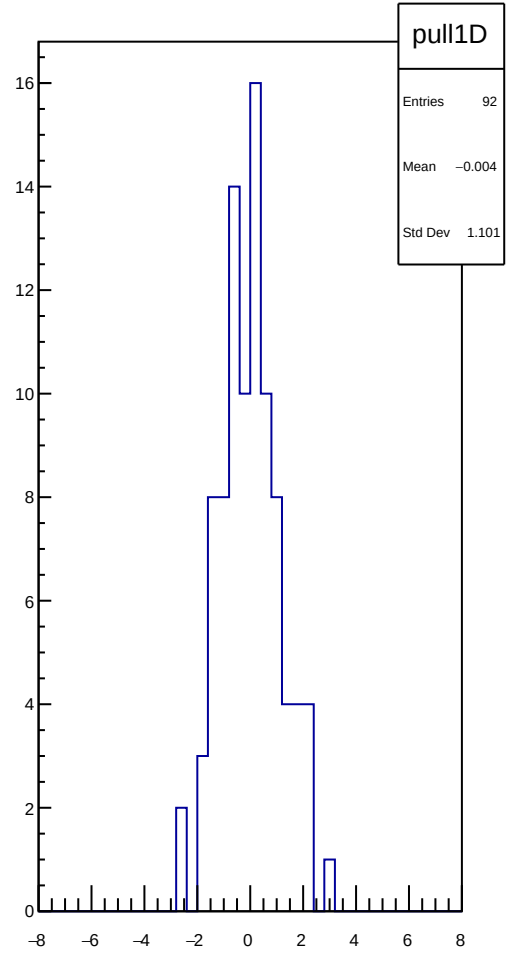

pull1D
Entries 92
Mean 0.002858
Std Dev 0.9797
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

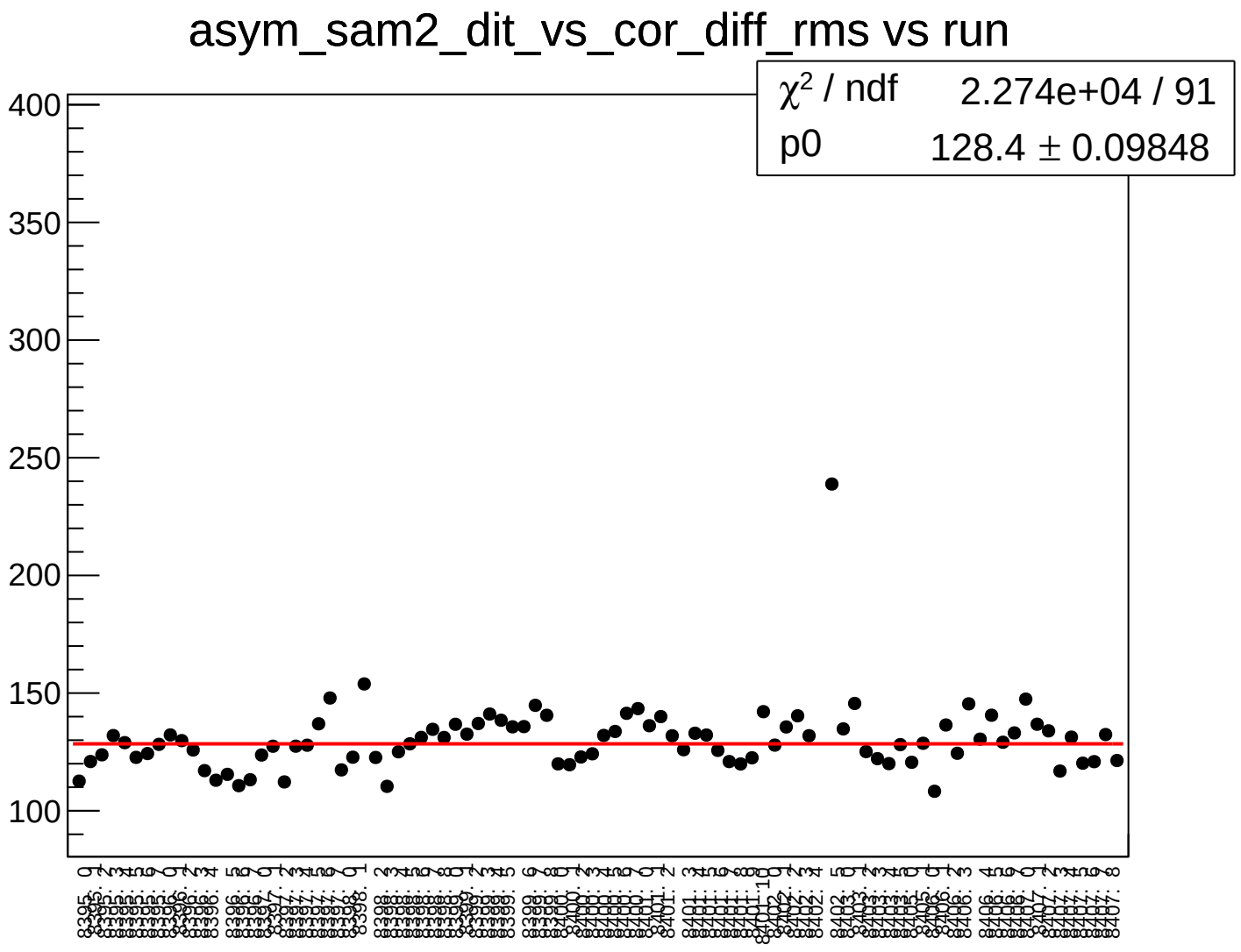

asym_sam2_rms vs run
$\chi^2$ / ndf 1.016e+04 / 91
p0 4251 ± 3.247
5400
5200
5000
4800
4600
4400
4200
4000
3800

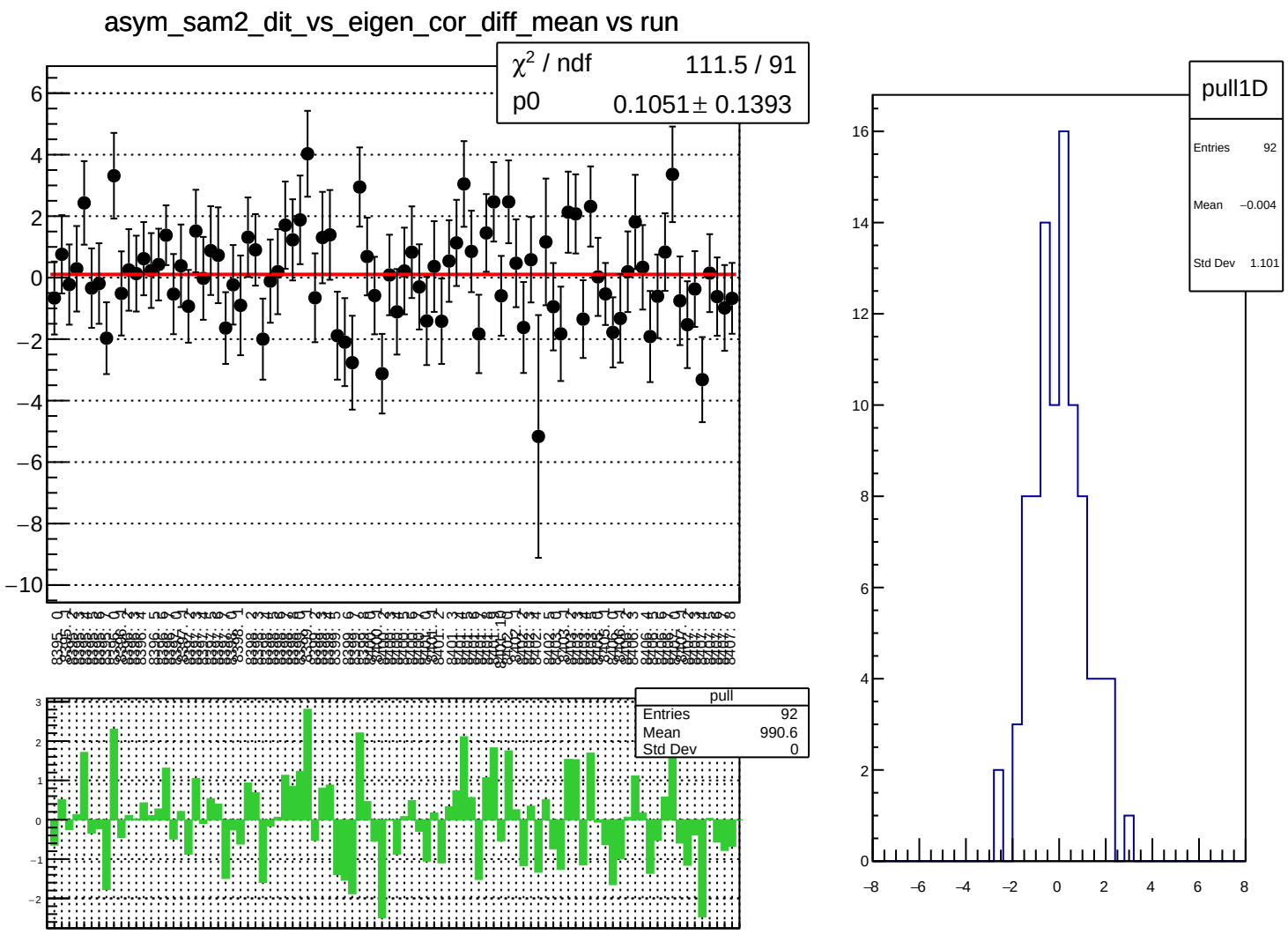

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 75.96 / 91
p0 8.896e−13 ± 4.622e−13
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 92
Mean 1226
Std Dev 0
pull1D
Entries 92
Mean −0.002611
Std Dev 0.9086

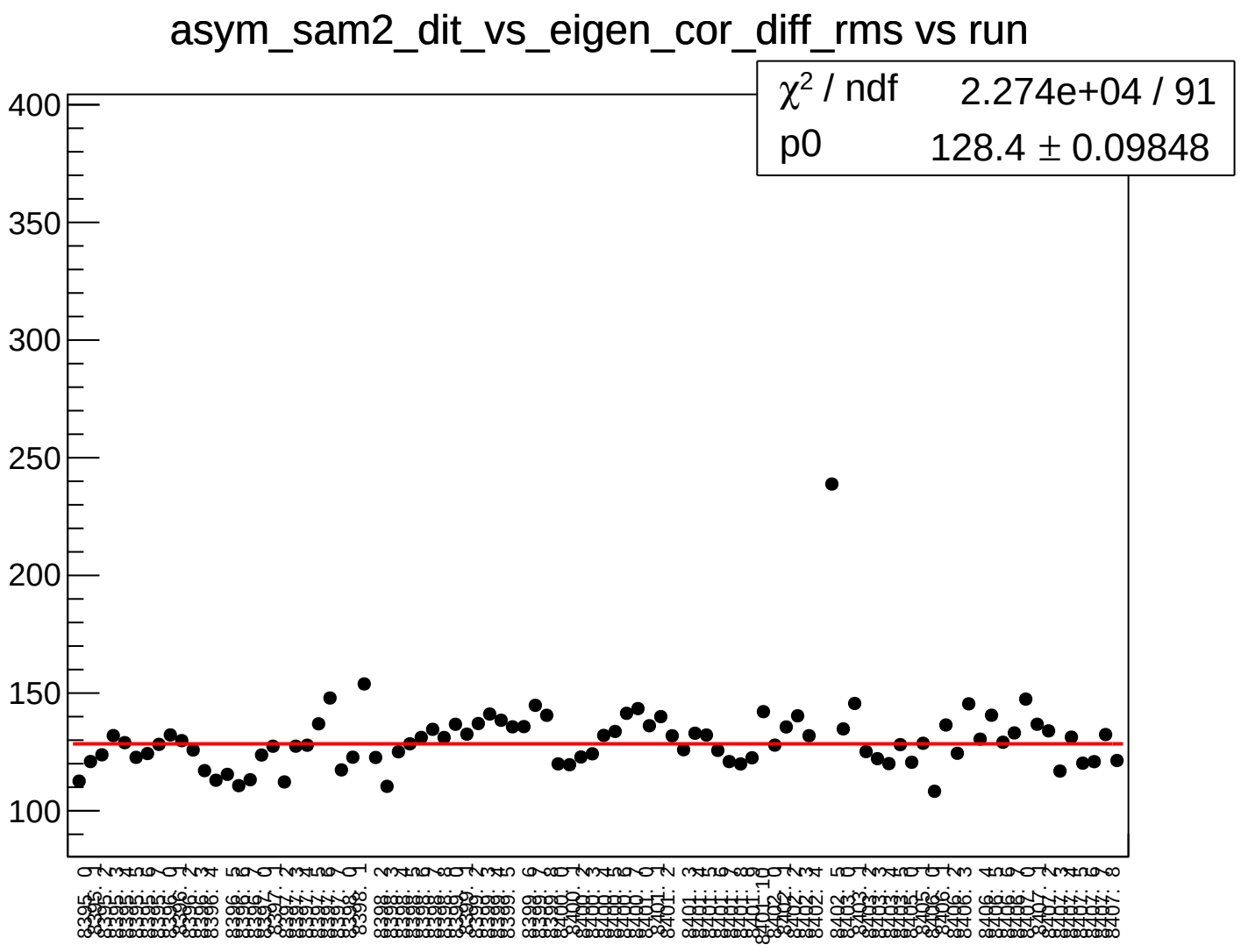

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.868e+05 / 91
p0 2.99e−10 ± 3.268e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

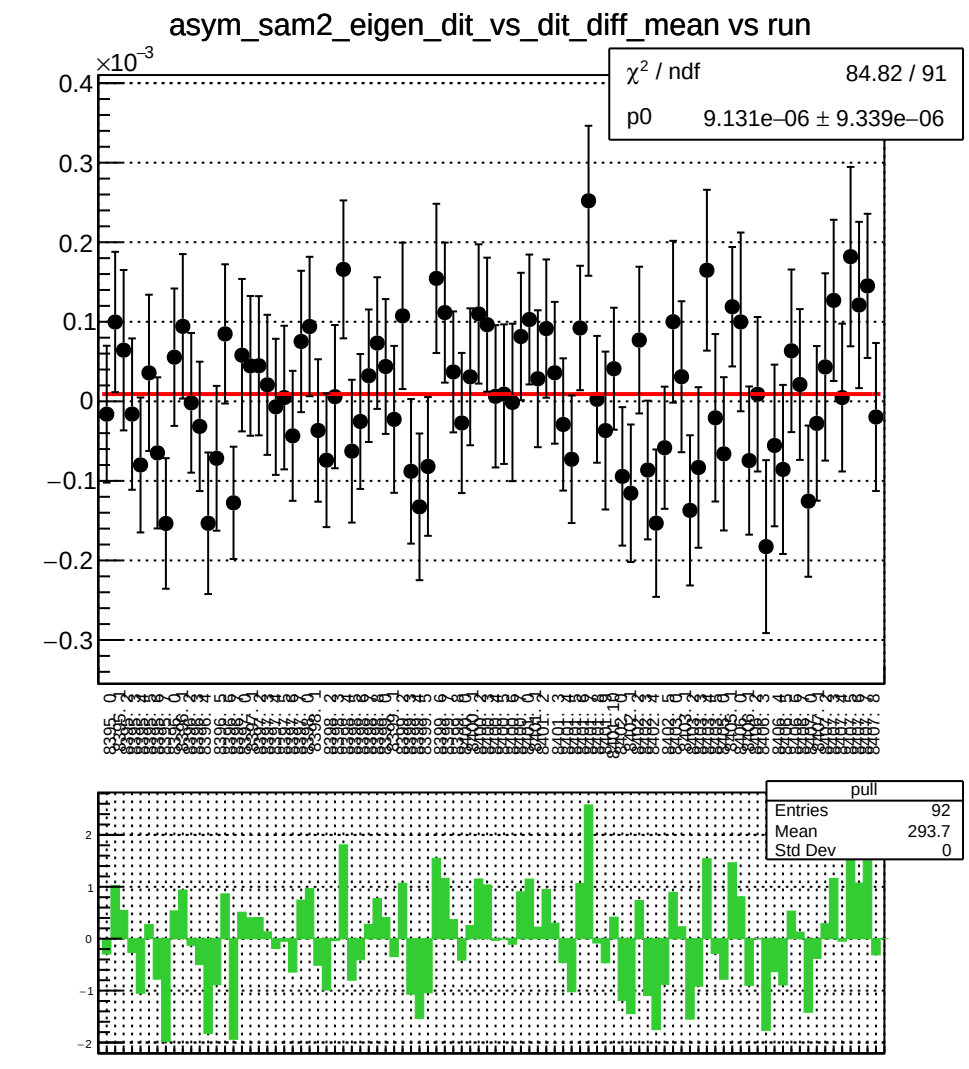

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 111.5 / 91
p0 0.1051± 0.1393
pull
Entries 92
Mean 990.6
Std Dev 0

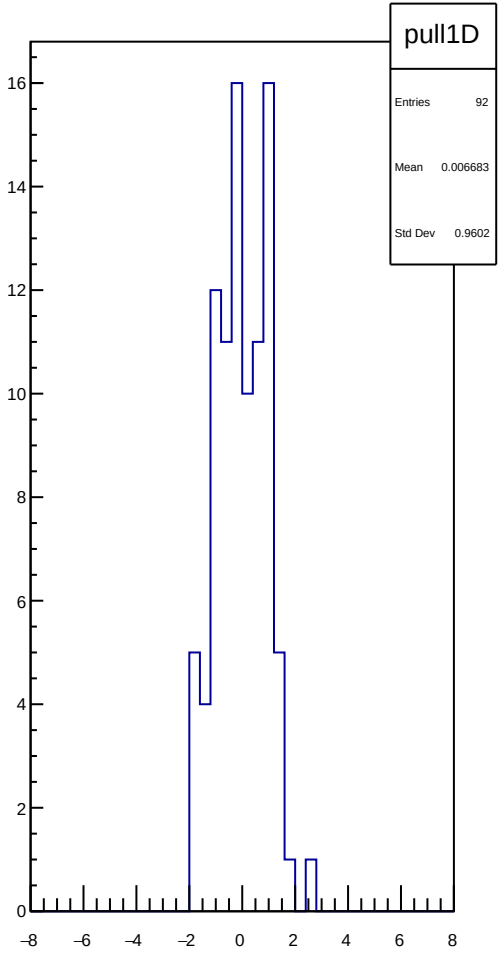

pull1D
Entries 92
Mean −0.004
Std Dev 1.101

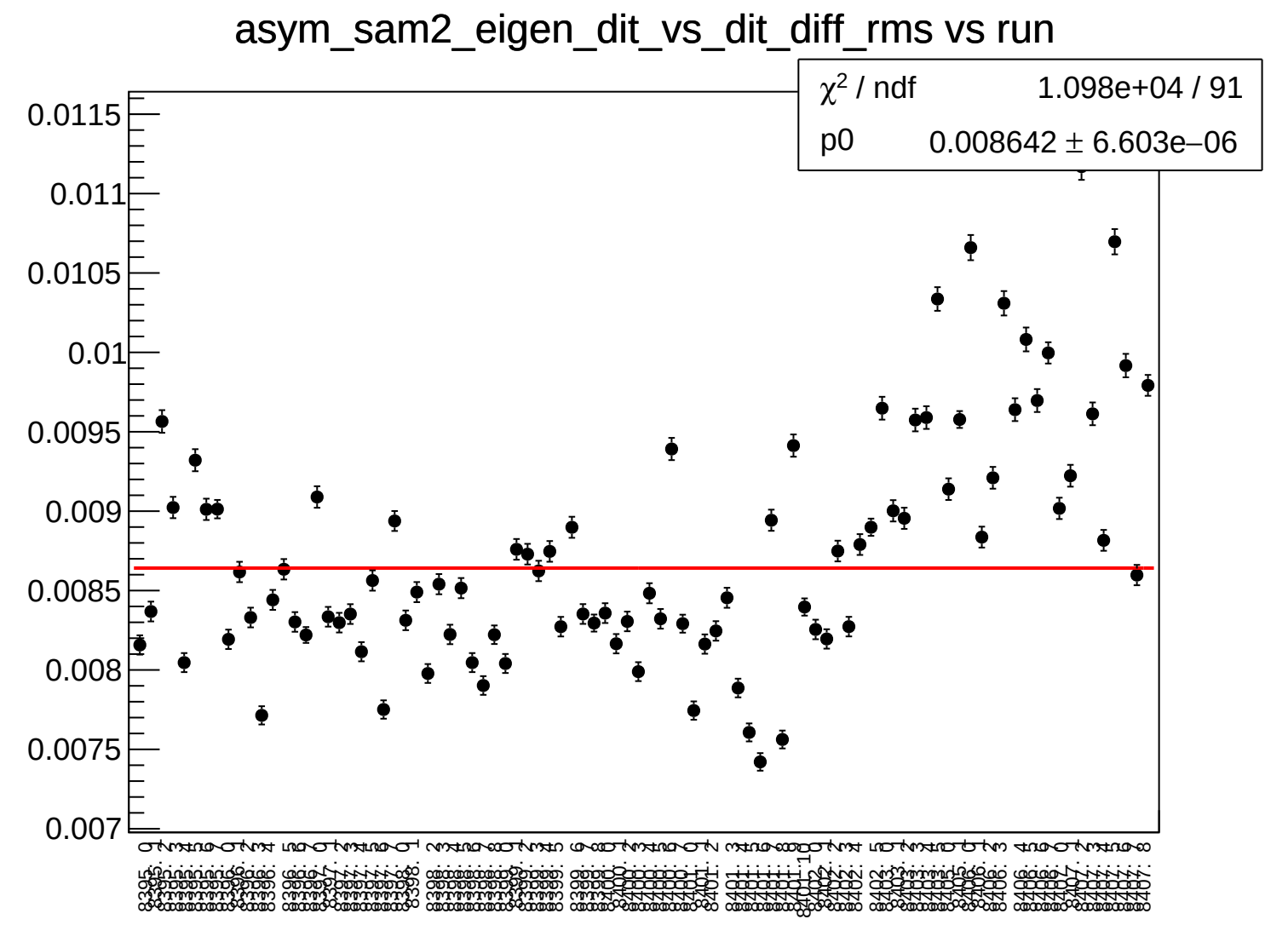

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.274e+04 / 91
p0 128.4 ± 0.09848
400
350
300
250
200
150
100

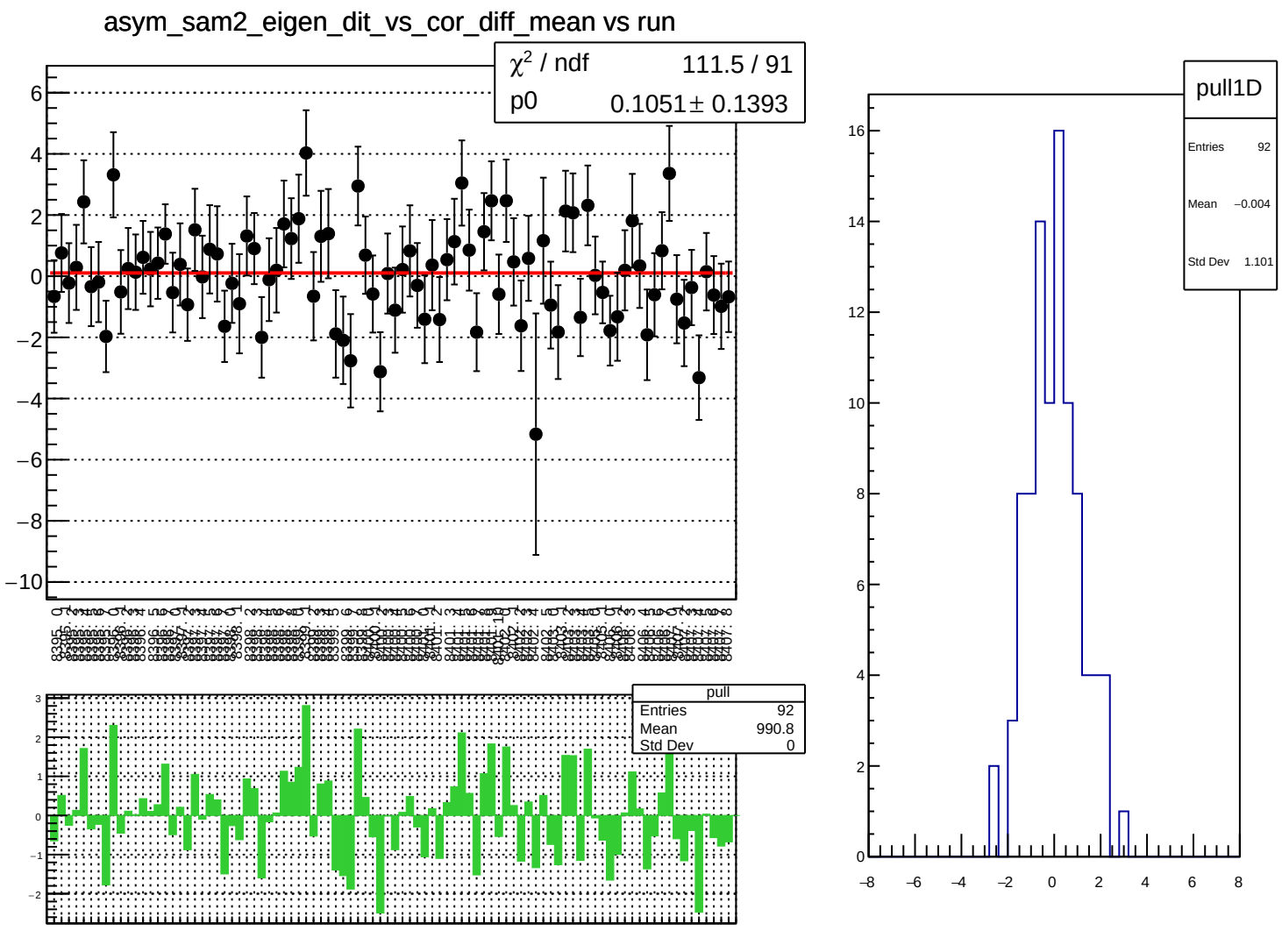

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 111.5 / 91
p0 0.1051± 0.1393
pull
Entries 92
Mean 990.6
Std Dev 0
pull1D
Entries 92
Mean −0.004
Std Dev 1.101

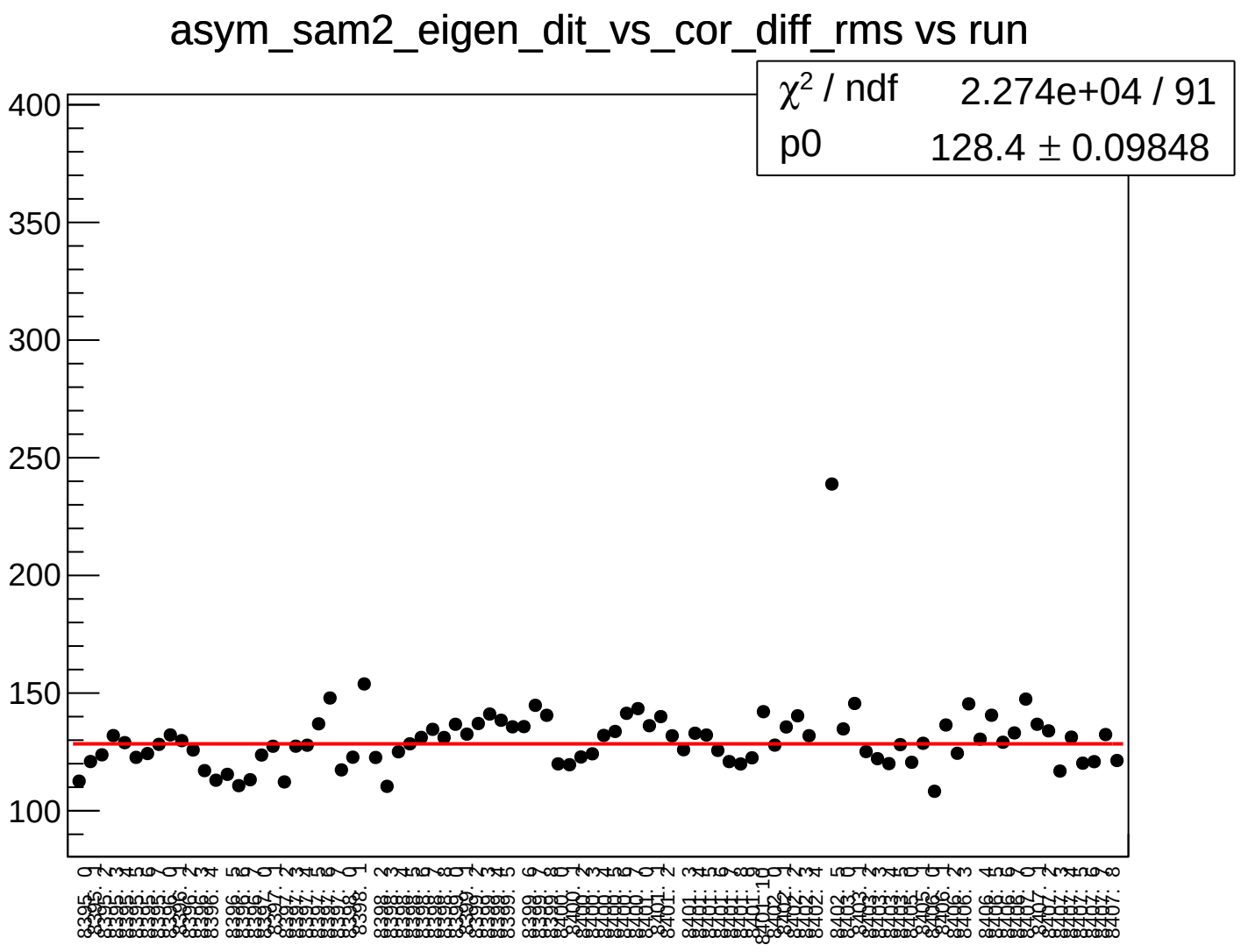

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.274e+04 / 91
p0 128.4 ± 0.09848
400
350
300
250
200
150
100

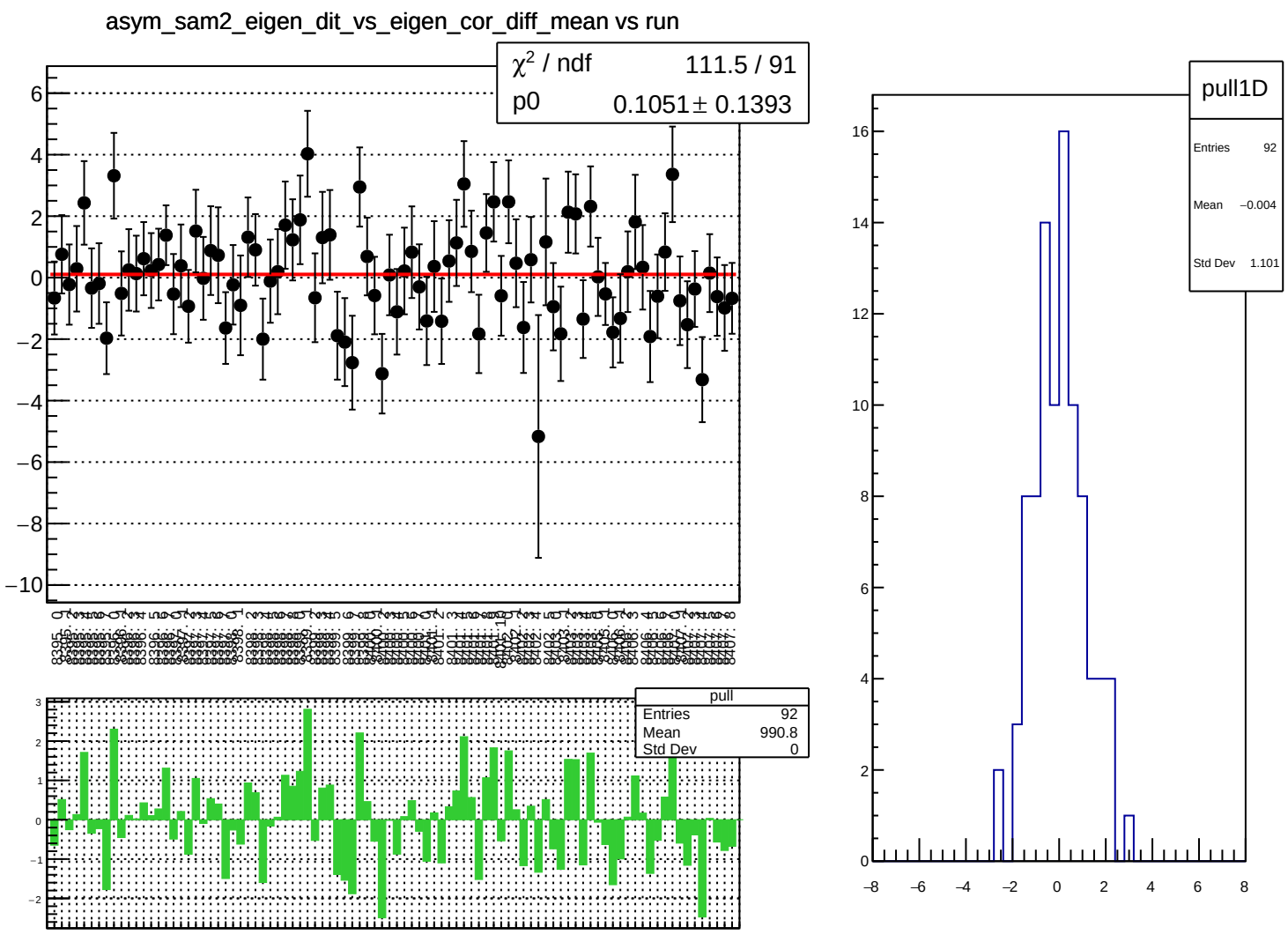

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.82 / 91
p0 9.131e−06 ± 9.339e−06
pull
Entries 92
Mean 293.7
Std Dev 0

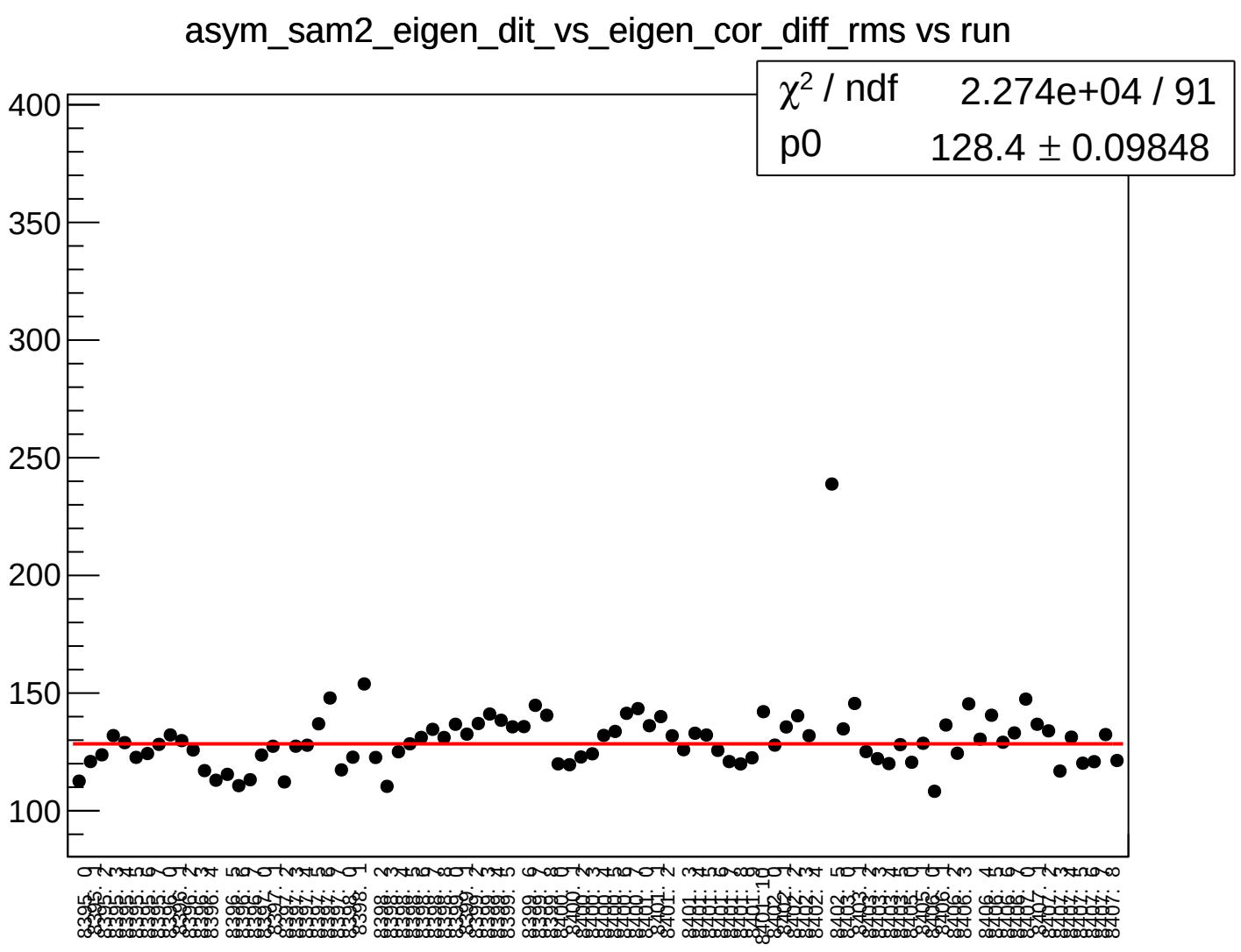

pull1D
Entries 92
Mean 0.006683
Std Dev 0.9602

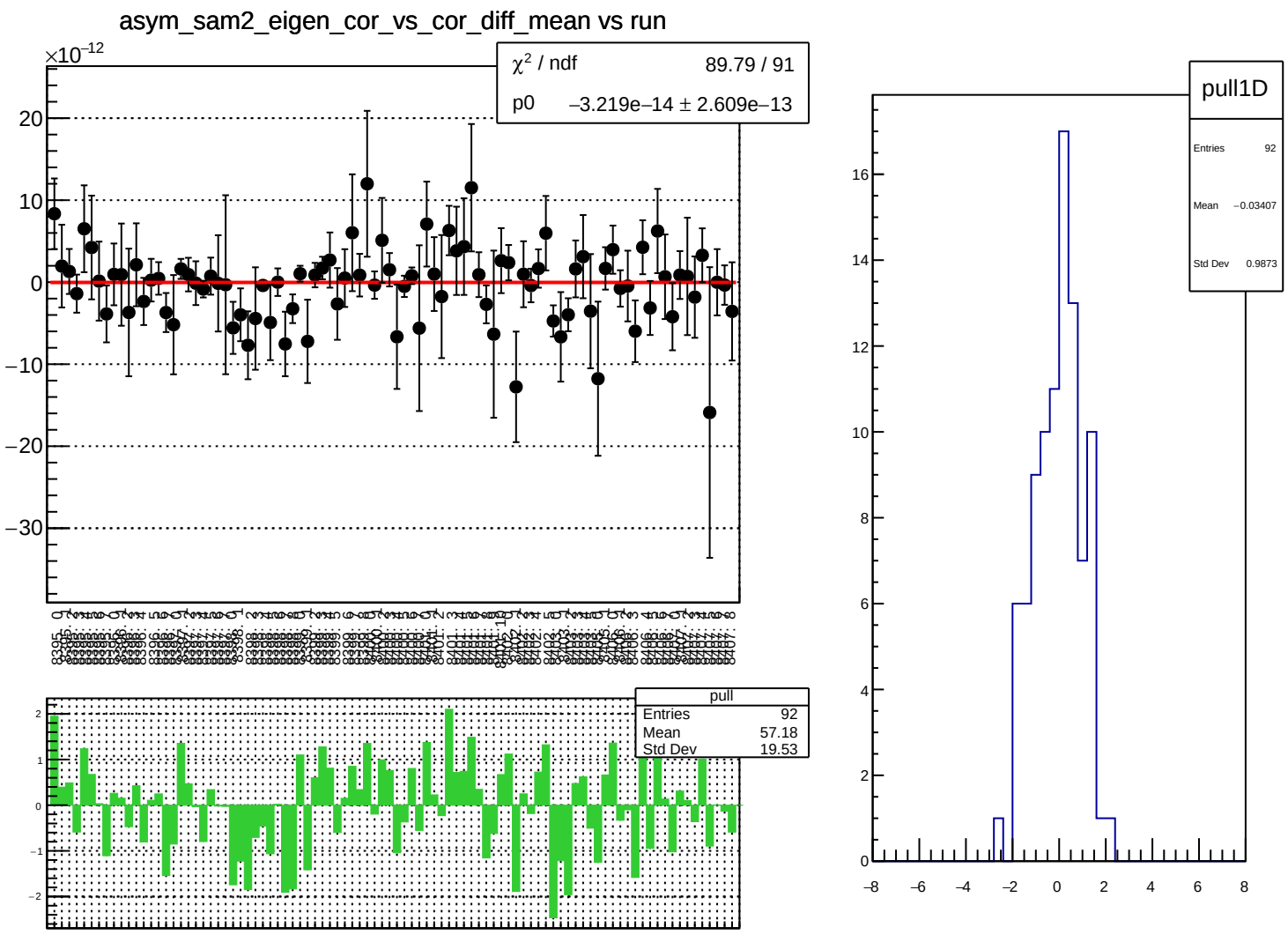

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.098e+04 / 91
p0 0.008642 ± 6.603e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007

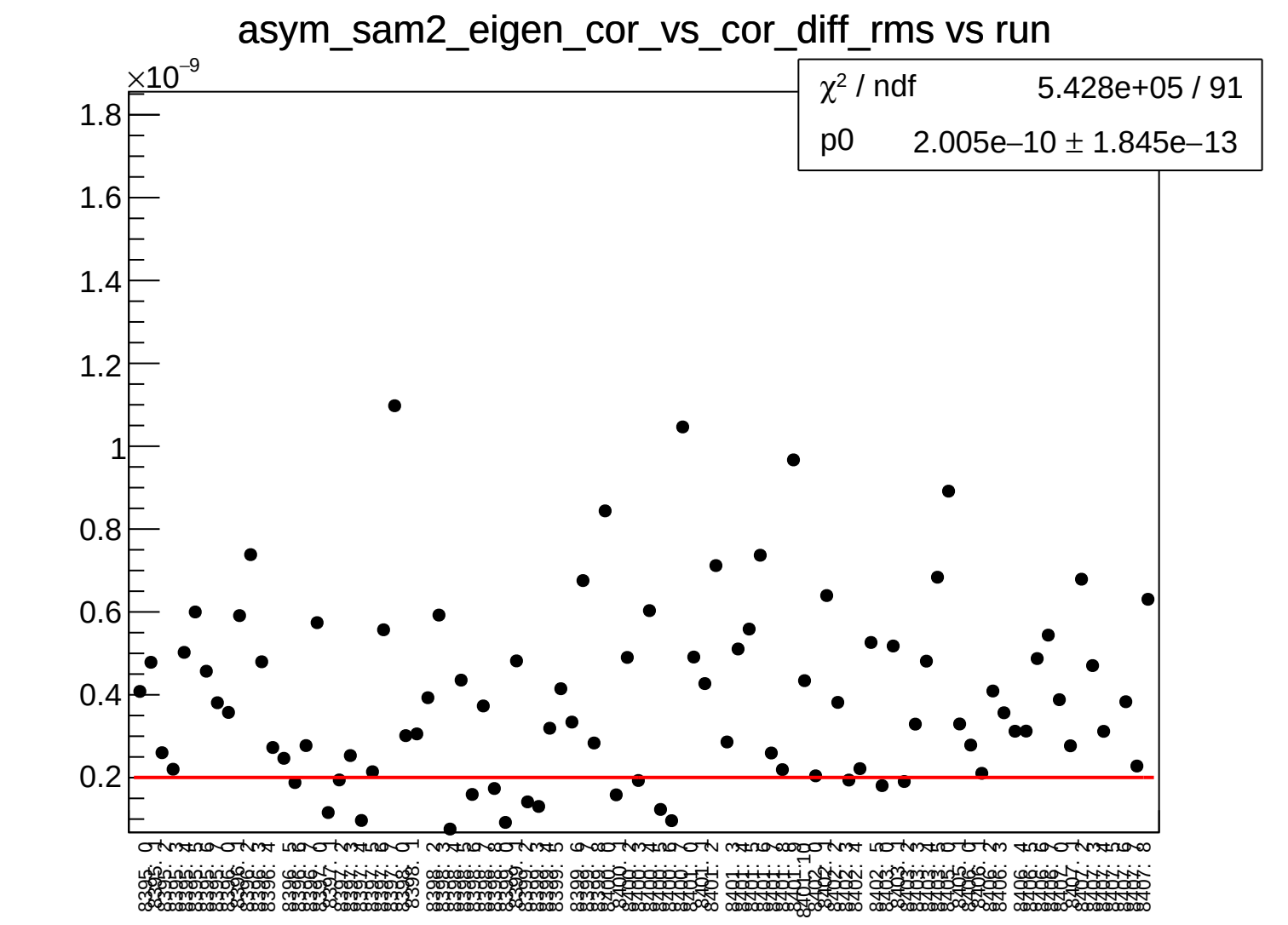

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 111.5 / 91
p0 0.1051± 0.1393
pull
Entries 92
Mean 990.8
Std Dev 0
pull1D
Entries 92
Mean −0.004
Std Dev 1.101

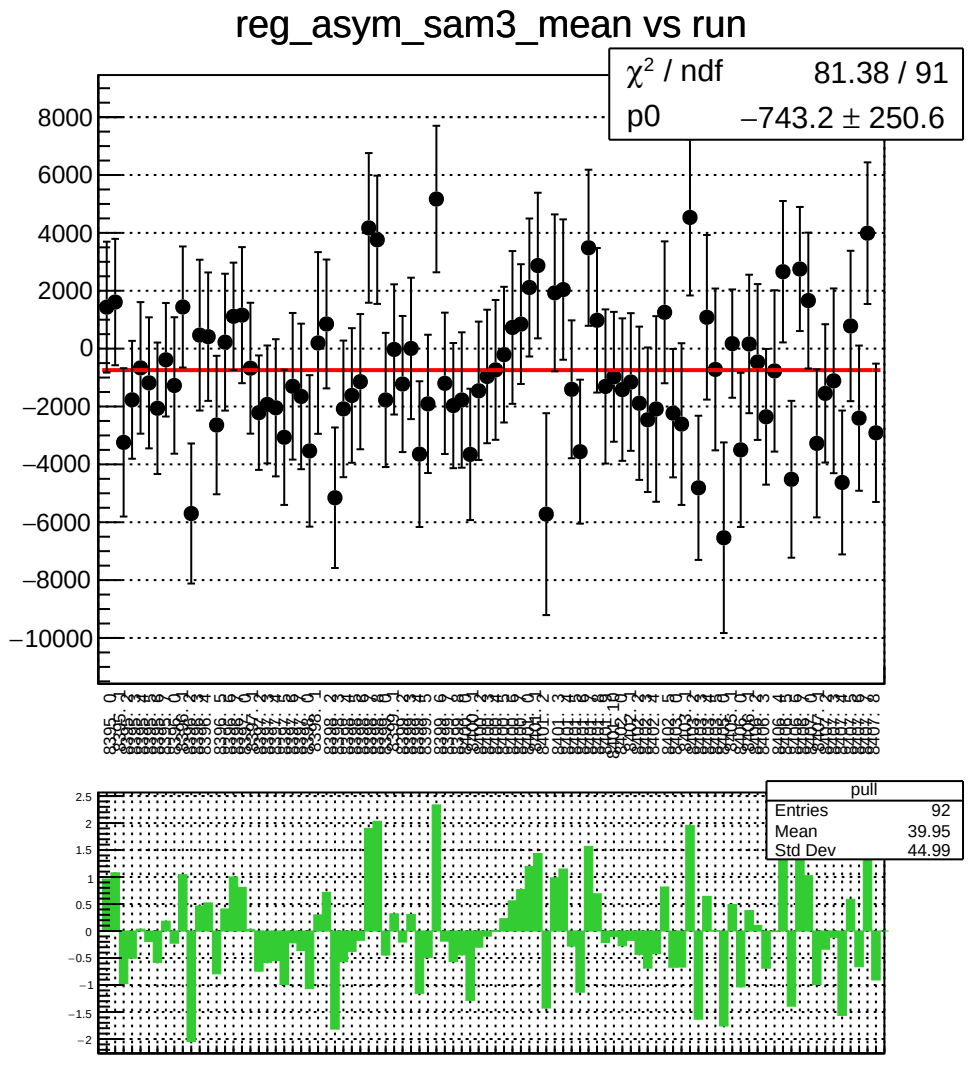

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.274e+04 / 91
p0 128.4 ± 0.09848
400
350
300
250
200
150
100

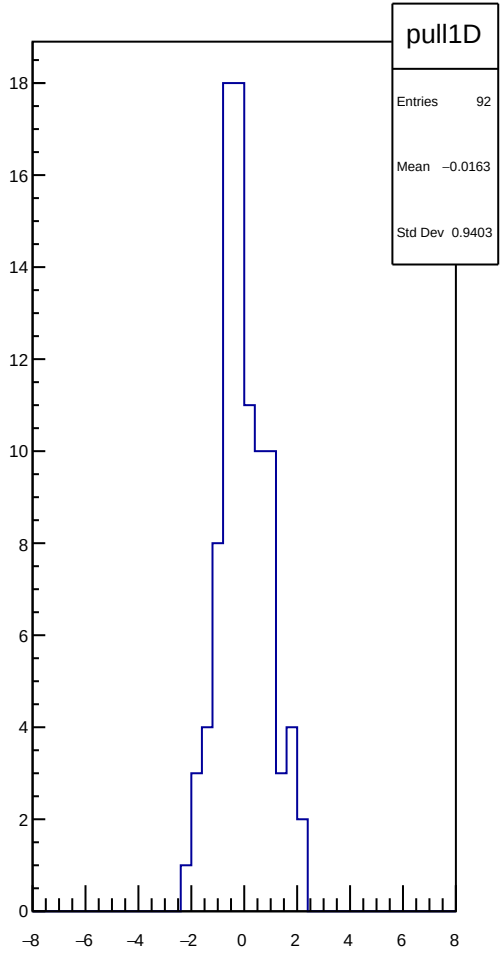

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 111.5 / 91
p0 0.1051± 0.1393
pull
Entries 92
Mean 990.8
Std Dev 0
pull1D
Entries 92
Mean −0.004
Std Dev 1.101

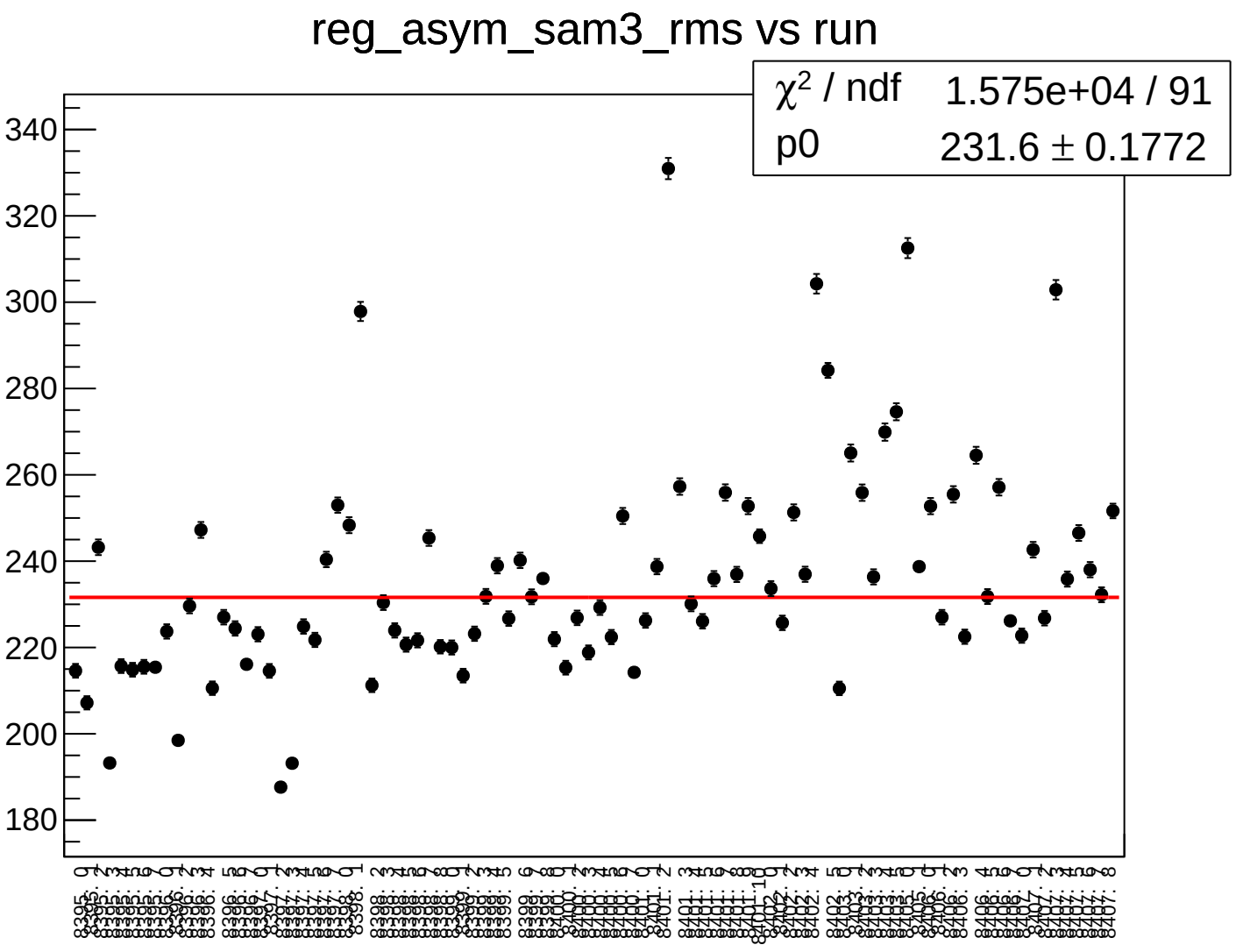

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.274e+04 / 91
p0 128.4 ± 0.09848
400
350
300
250
200
150
100

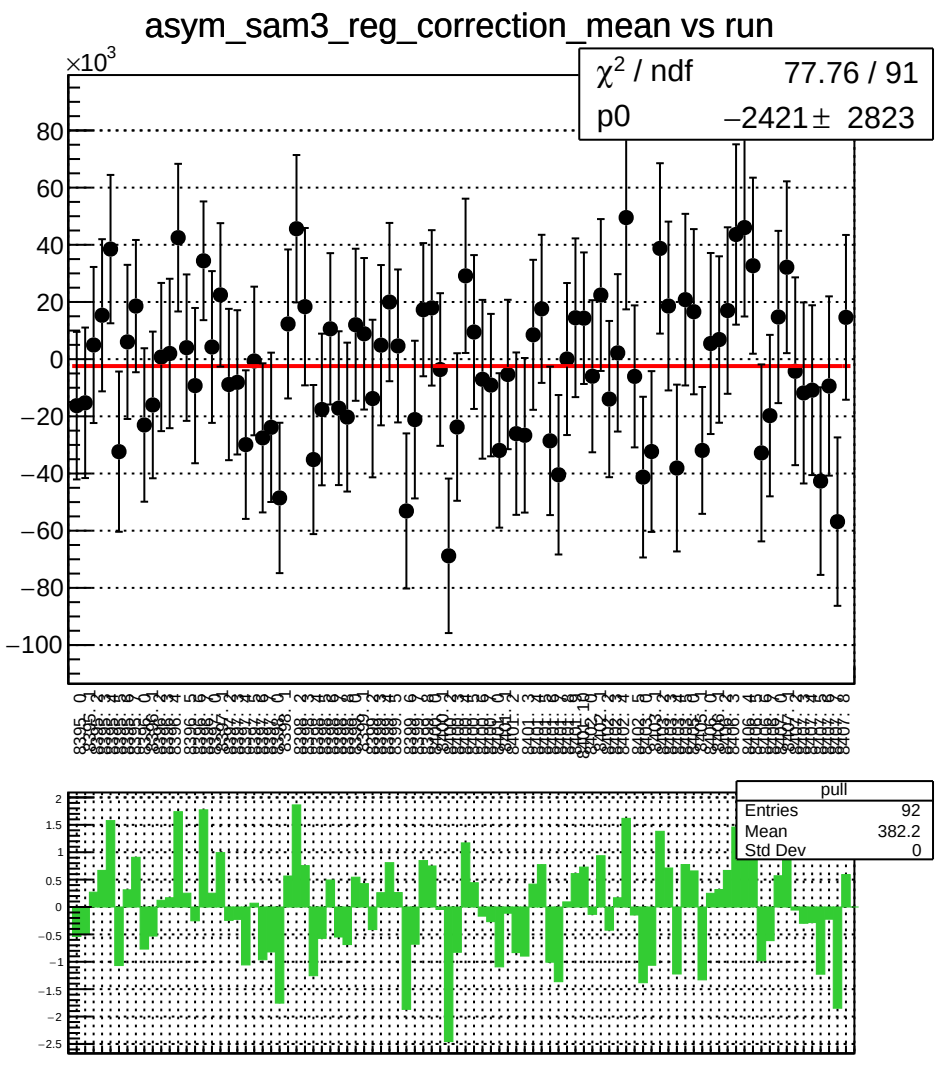

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.79 / 91
p0 −3.219e−14 ± 2.609e−13
20
10
0
−10
−20
−30
pull
Entries 92
Mean 57.18
Std Dev 19.53
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.03407
Std Dev 0.9873
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

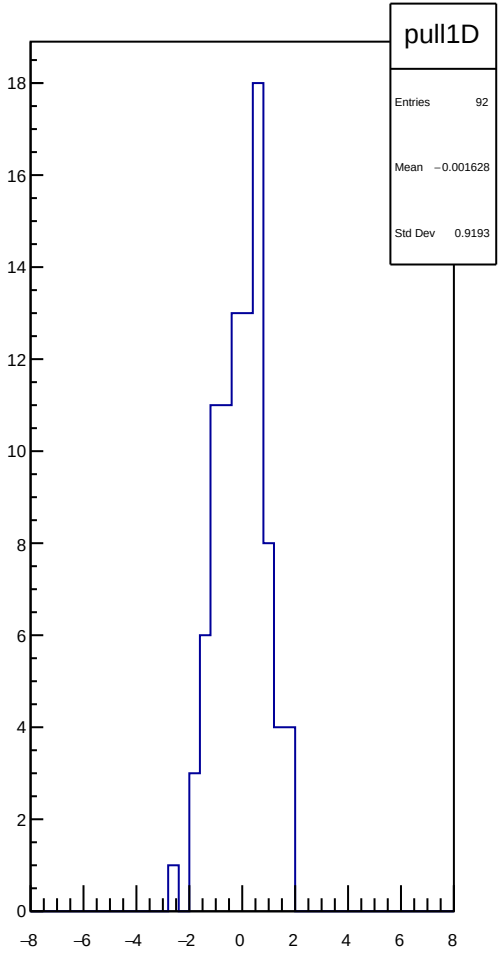

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.428e+05 / 91
p0 2.005e−10 ± 1.845e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

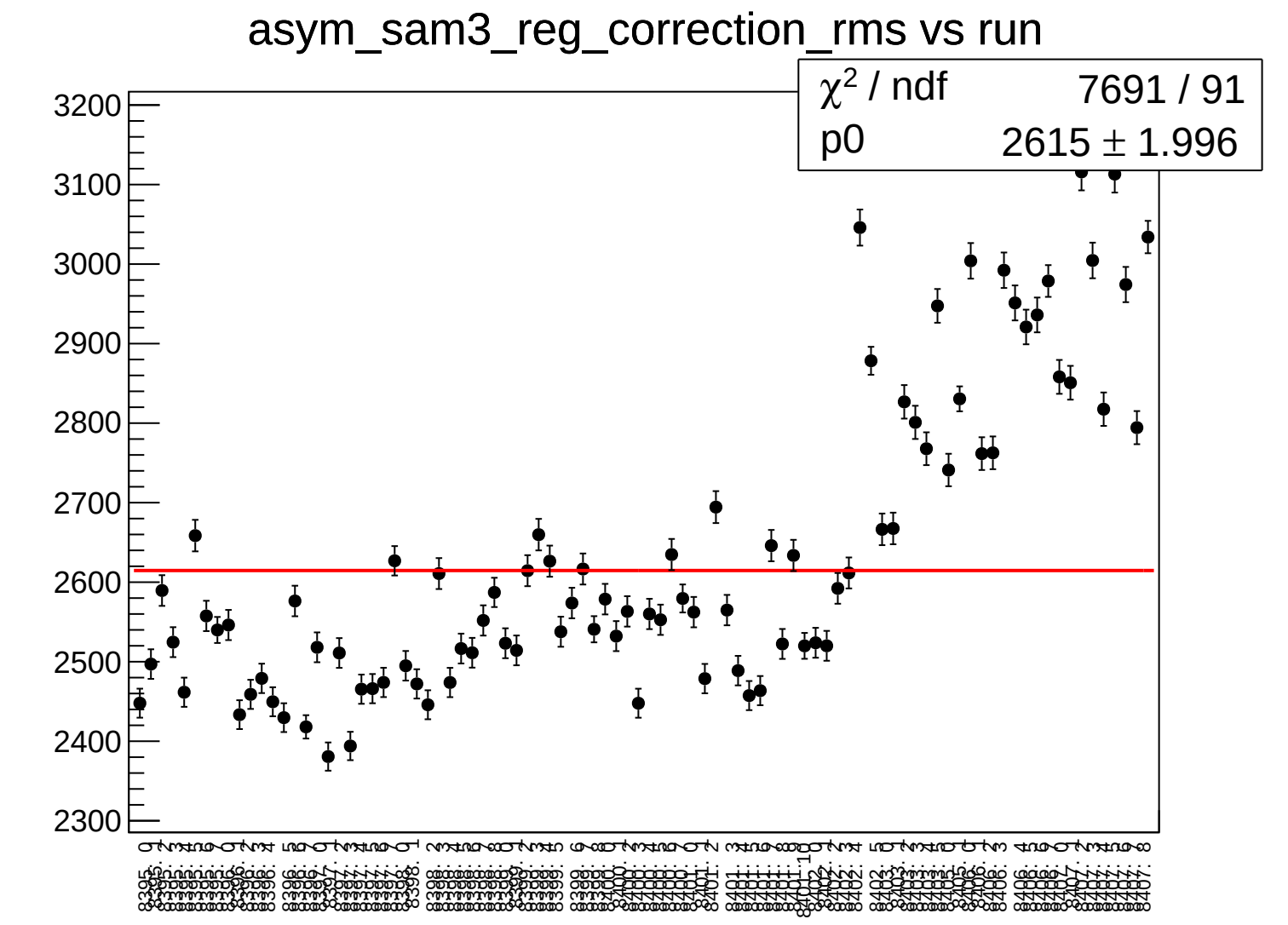

reg_asym_sam3_mean vs run
χ² / ndf 81.38 / 91
p0 −743.2 ± 250.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean 39.95
Std Dev 44.99
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

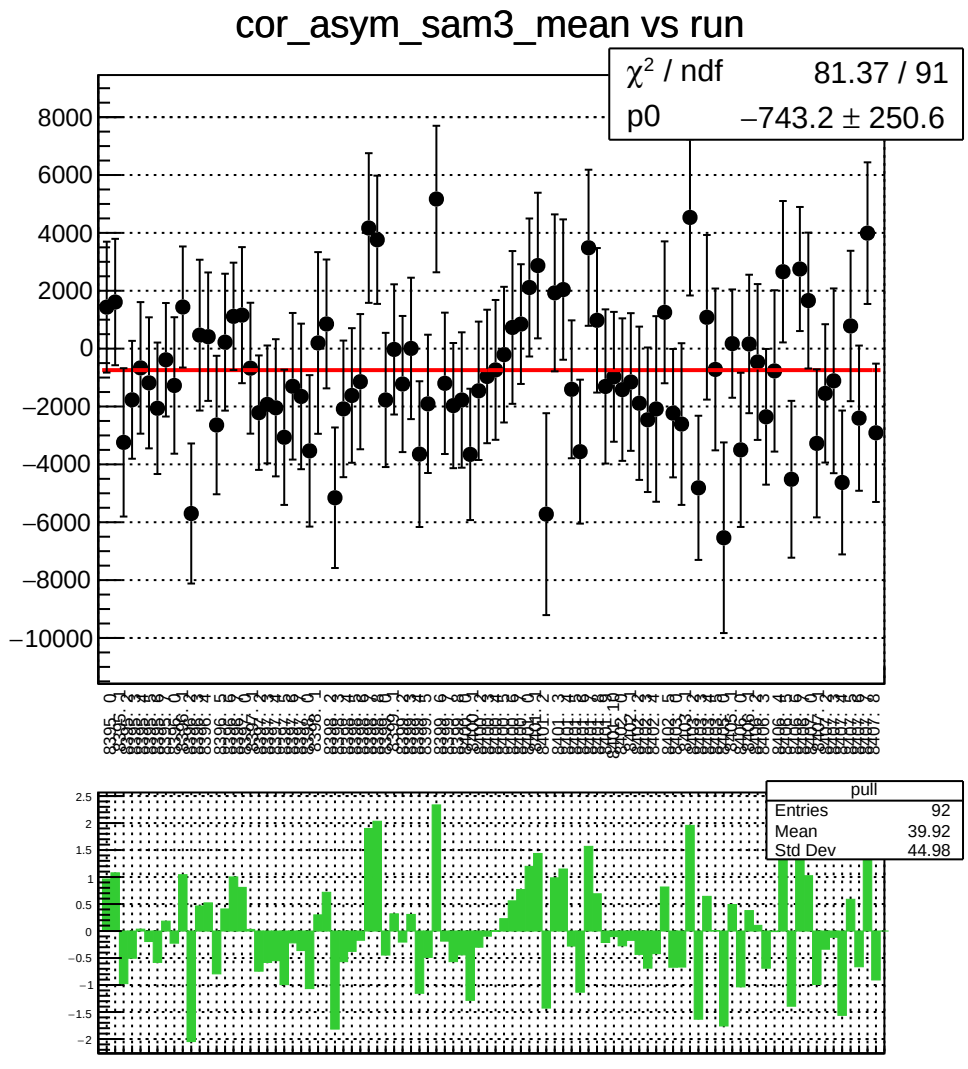

pull1D
Entries 92
Mean −0.0163
Std Dev 0.9403
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

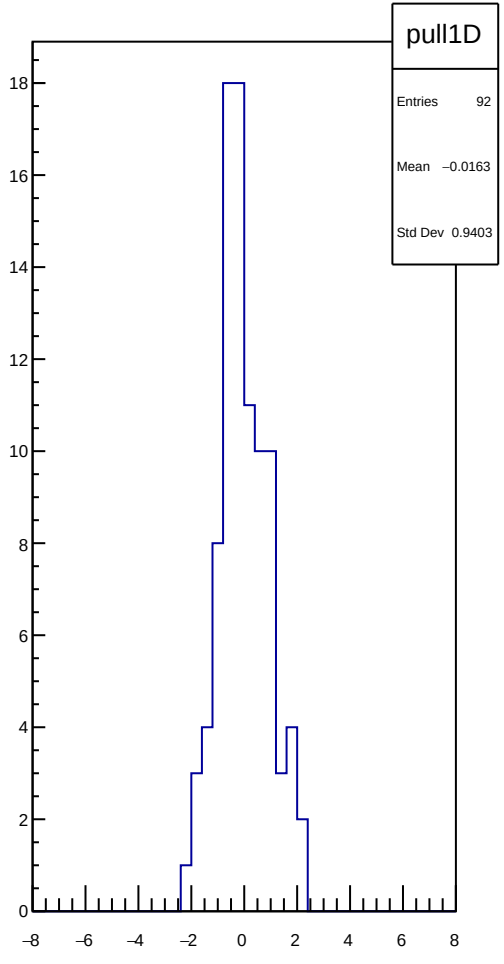

reg_asym_sam3_rms vs run
χ² / ndf 1.575e+04 / 91
p0 231.6 ± 0.1772
340
320
300
280
260
240
220
200
180

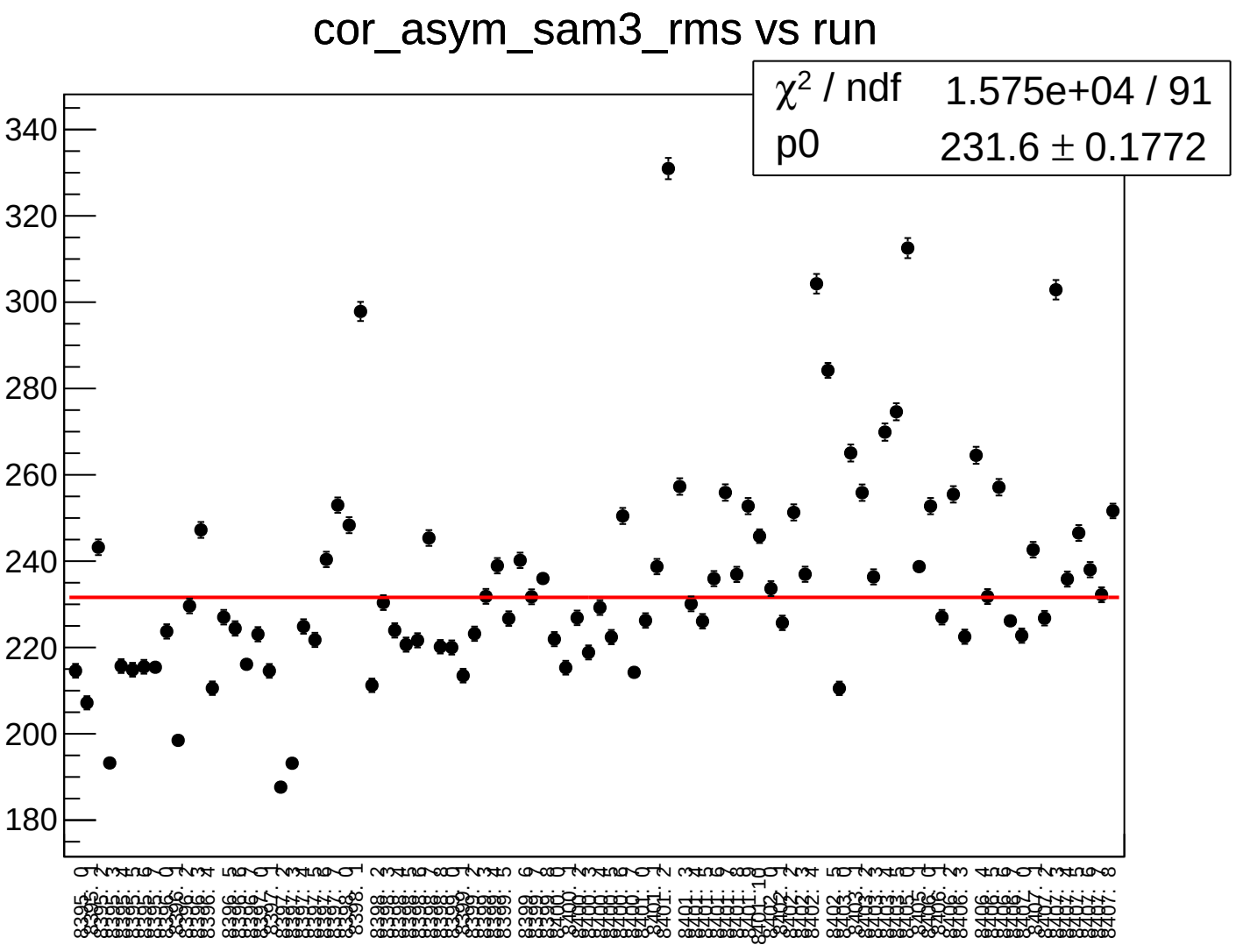

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 77.76 / 91
p0 −2421 ± 2823
pull
Entries 92
Mean 382.2
Std Dev 0

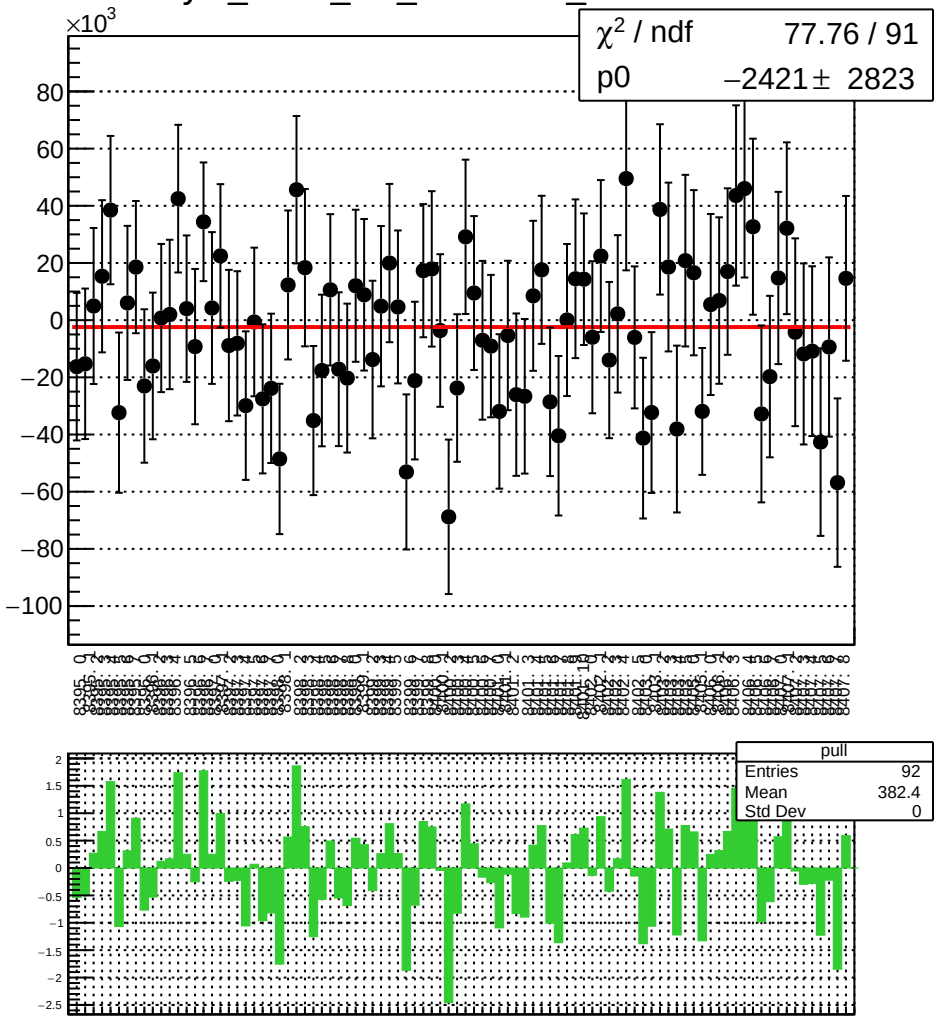

pull1D
Entries 92
Mean −0.001628
Std Dev 0.9193

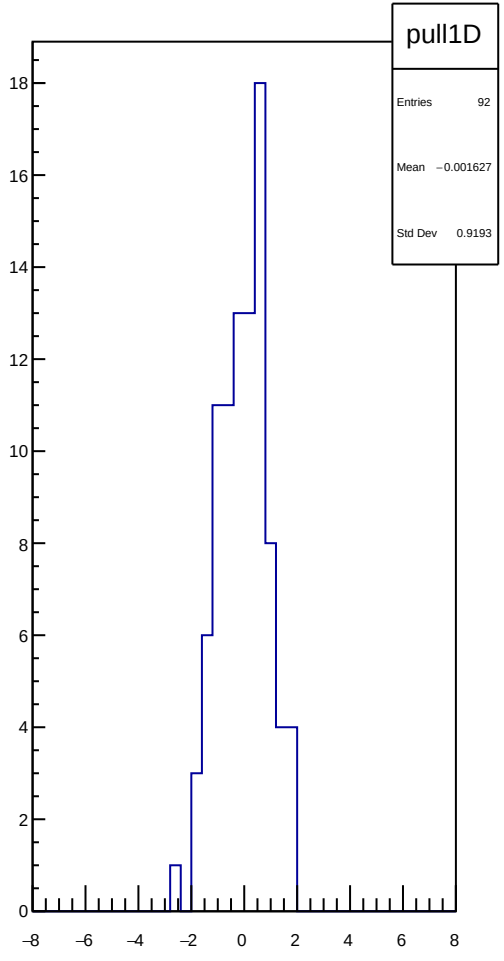

asym_sam3_reg_correction_rms vs run
$\chi^2$ / ndf 7691 / 91
p0 2615 ± 1.996
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

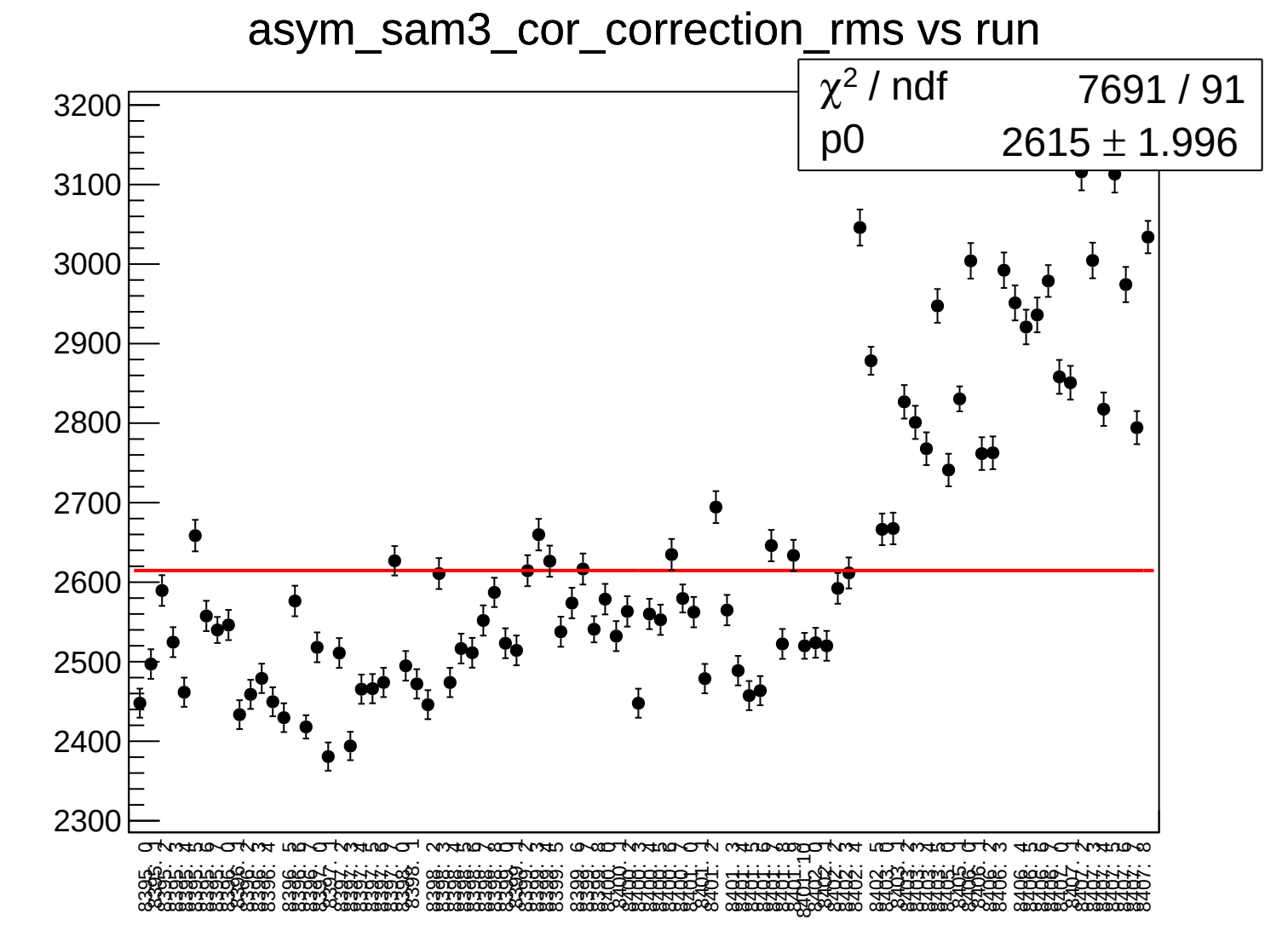

cor_asym_sam3_mean vs run
χ² / ndf 81.37 / 91
p0 −743.2 ± 250.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean 39.92
Std Dev 44.98
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

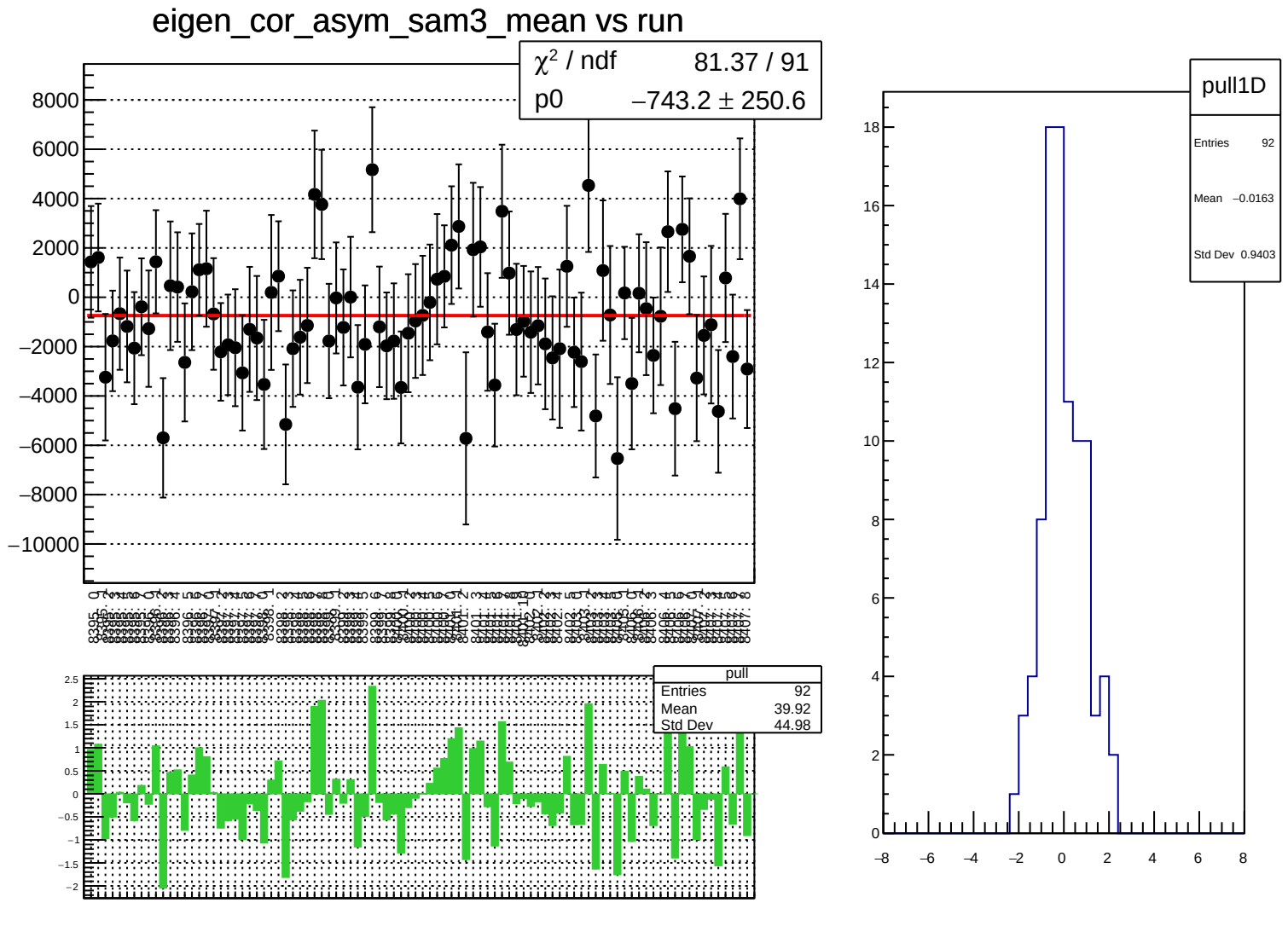

pull1D
Entries 92
Mean −0.0163
Std Dev 0.9403
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

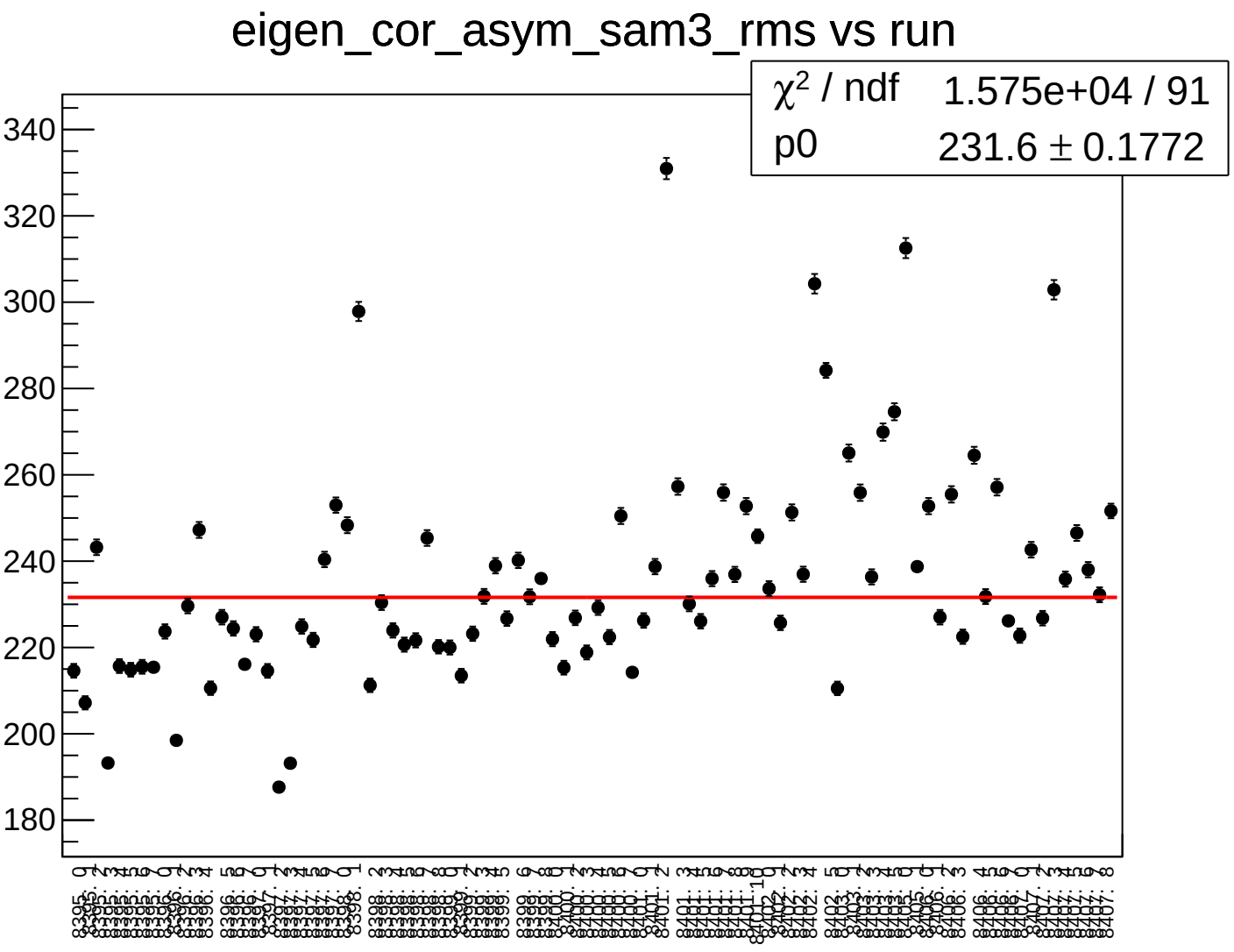

cor_asym_sam3_rms vs run
χ² / ndf 1.575e+04 / 91
p0 231.6 ± 0.1772
340
320
300
280
260
240
220
200
180

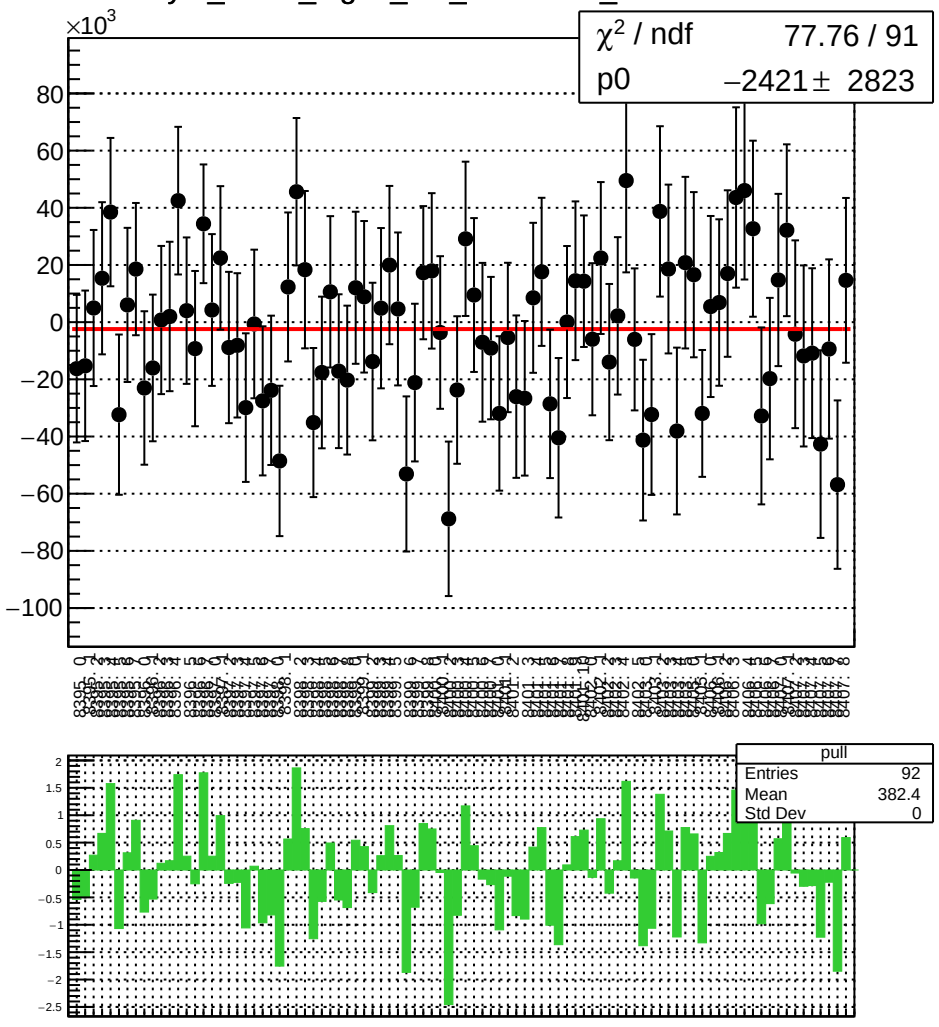

asym_sam3_cor_correction_mean vs run
×10^3
χ^2 / ndf 77.76 / 91
p0 −2421 ± 2823
pull
Entries 92
Mean 382.4
Std Dev 0

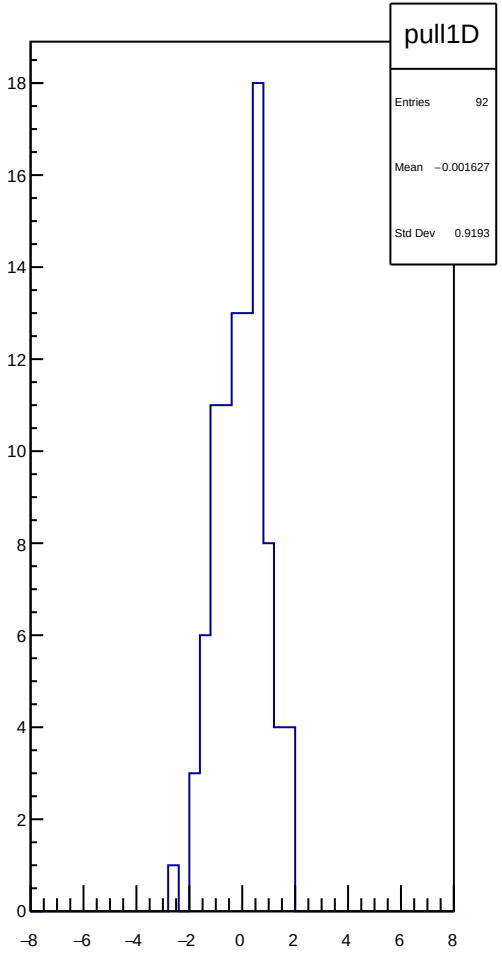

pull1D
Entries 92
Mean −0.001627
Std Dev 0.9193

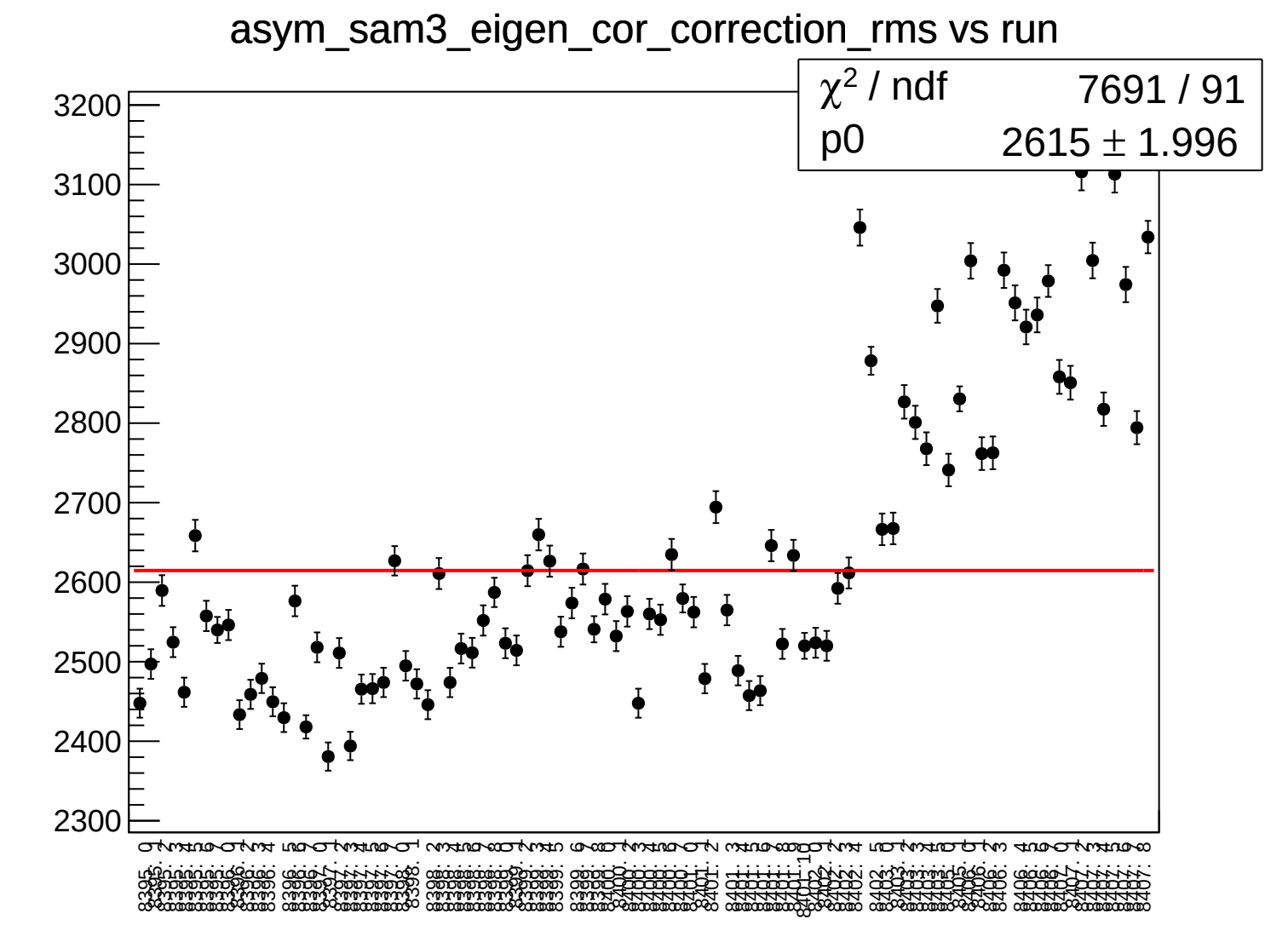

asym_sam3_cor_correction_rms vs run
$\chi^2$ / ndf 7691 / 91
p0 2615 ± 1.996
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

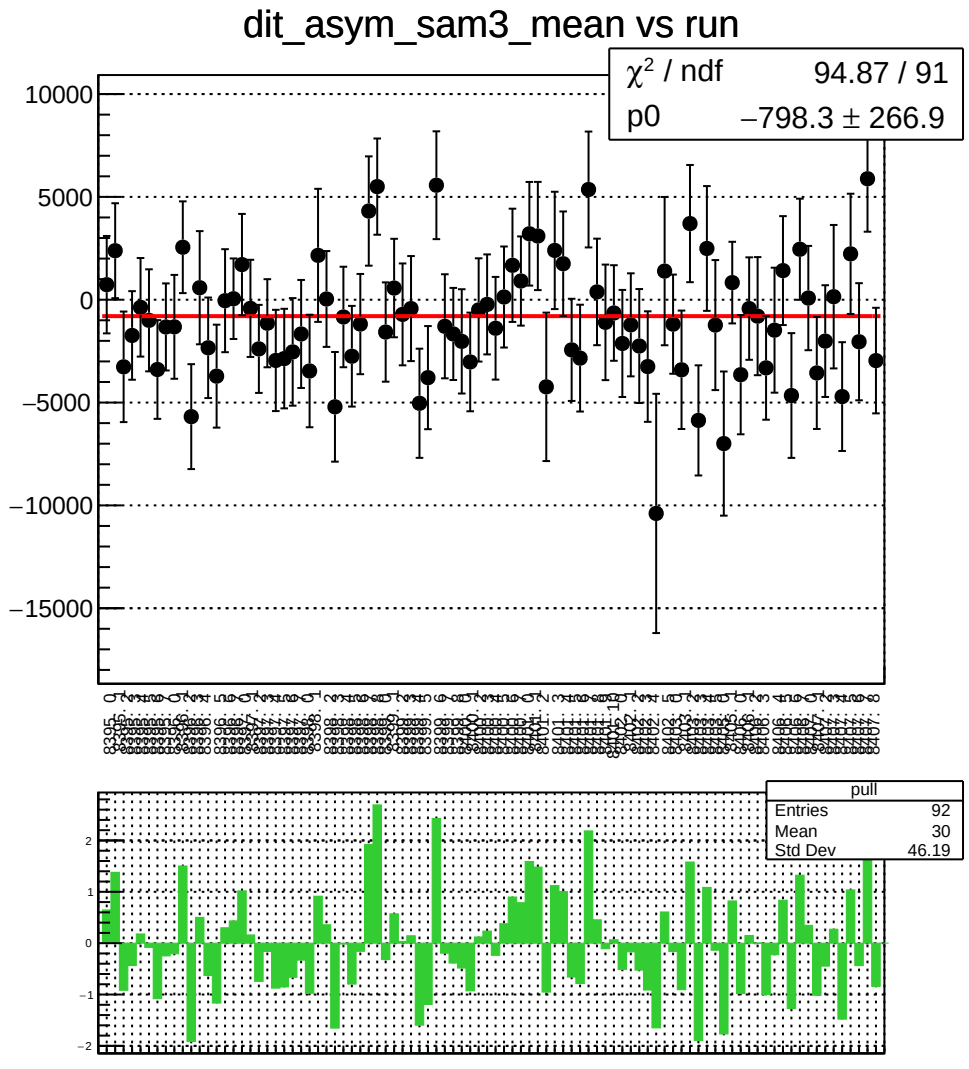

eigen_cor_asym_sam3_mean vs run
χ² / ndf 81.37 / 91
p0 −743.2 ± 250.6
pull
Entries 92
Mean 39.92
Std Dev 44.98
pull1D
Entries 92
Mean −0.0163
Std Dev 0.9403

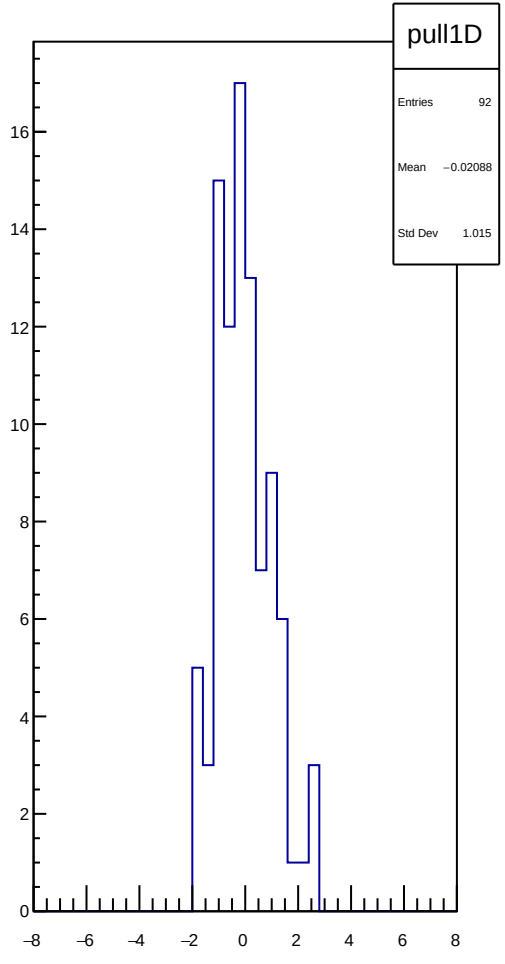

eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.575e+04 / 91
p0 231.6 ± 0.1772
340
320
300
280
260
240
220
200
180

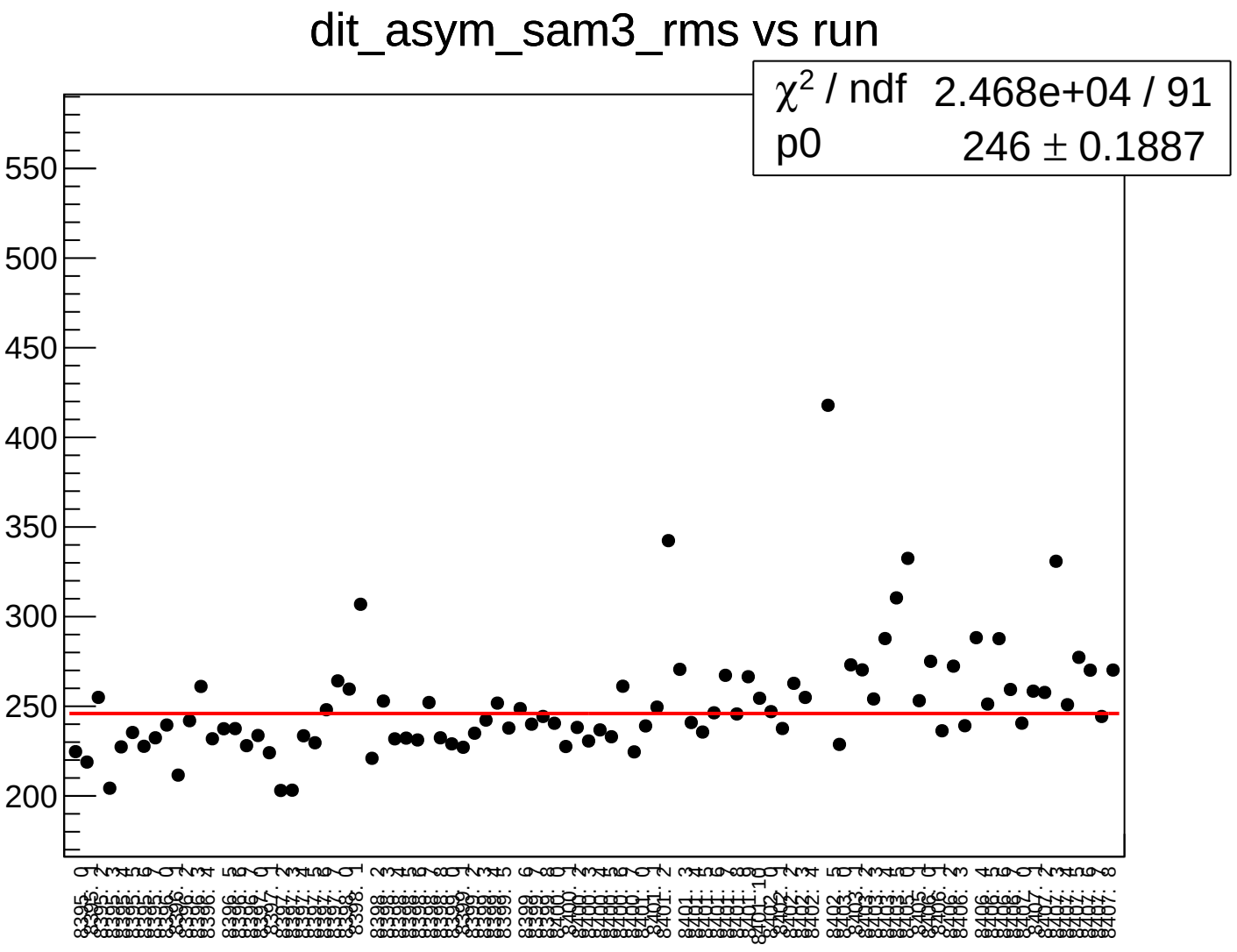

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 77.76 / 91
p0 −2421 ± 2823
pull
Entries 92
Mean 382.4
Std Dev 0

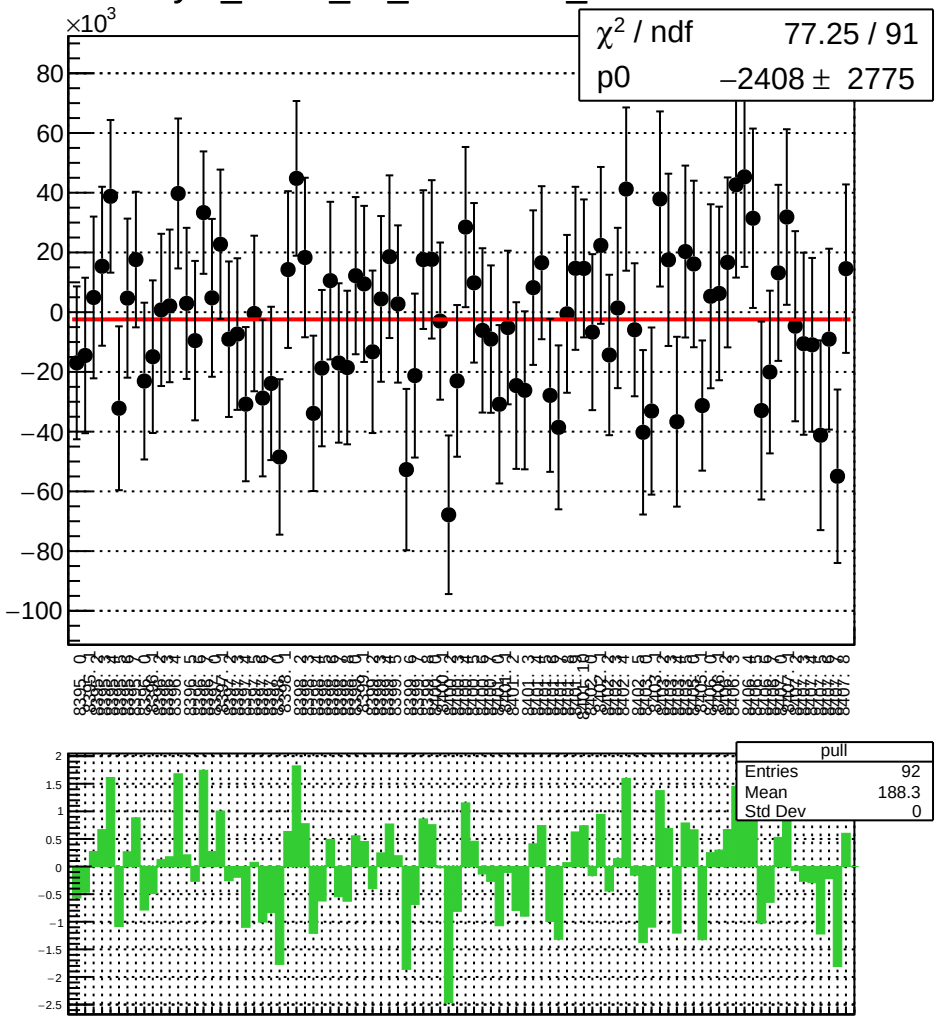

pull1D
Entries 92
Mean −0.001627
Std Dev 0.9193

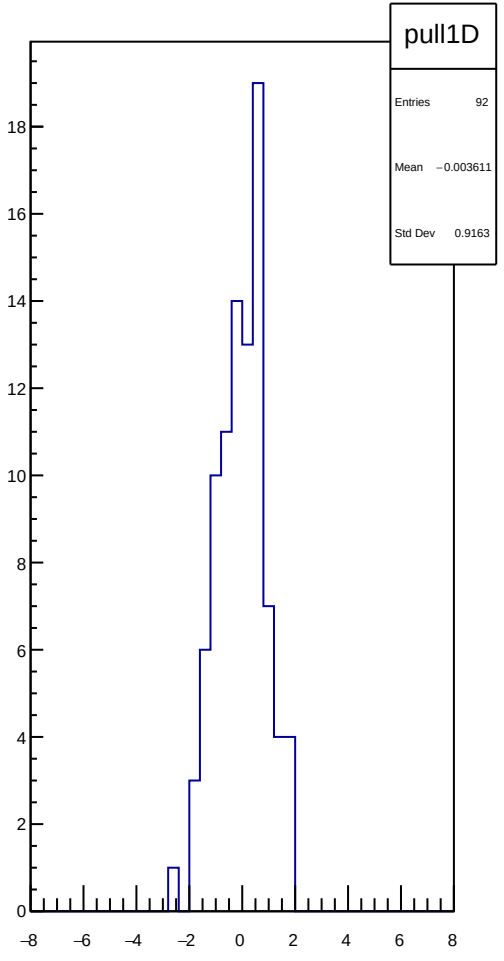

asym_sam3_eigen_cor_correction_rms vs run
$\chi^2$ / ndf 7691 / 91
p0 2615 ± 1.996
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

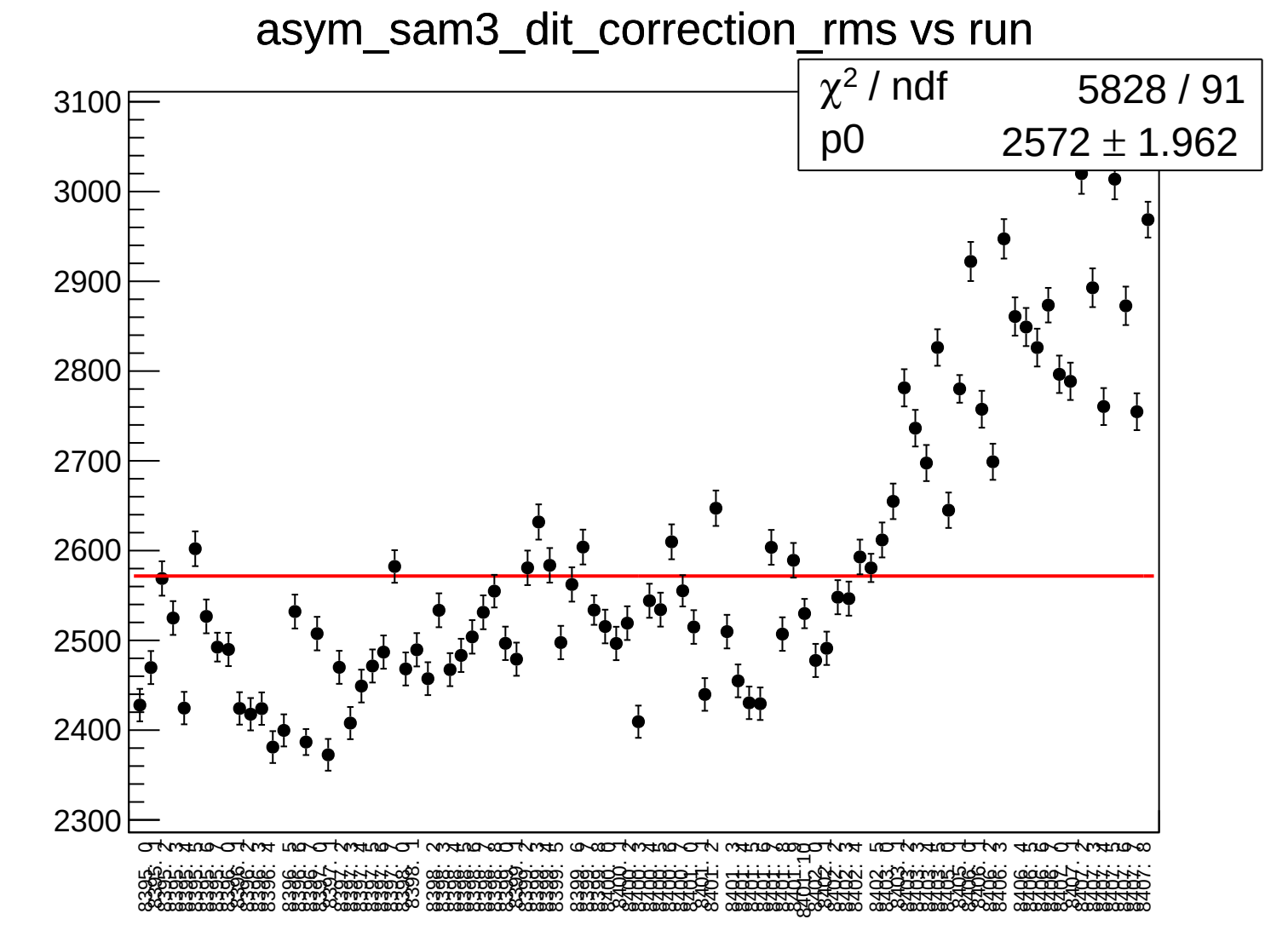

dit_asym_sam3_mean vs run
χ² / ndf 94.87 / 91
p0 −798.3 ± 266.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 30
Std Dev 46.19
2
1
0
−1
−2

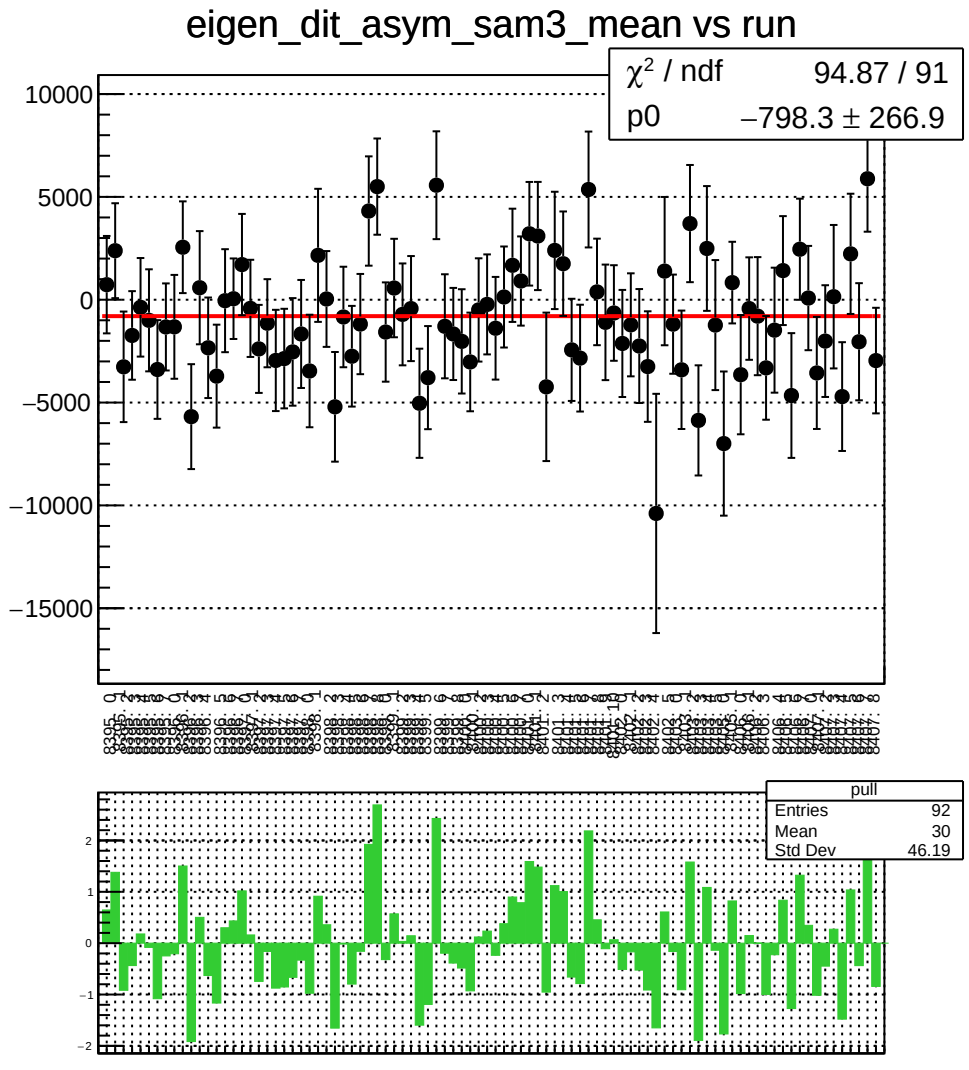

pull1D
Entries 92
Mean −0.02088
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

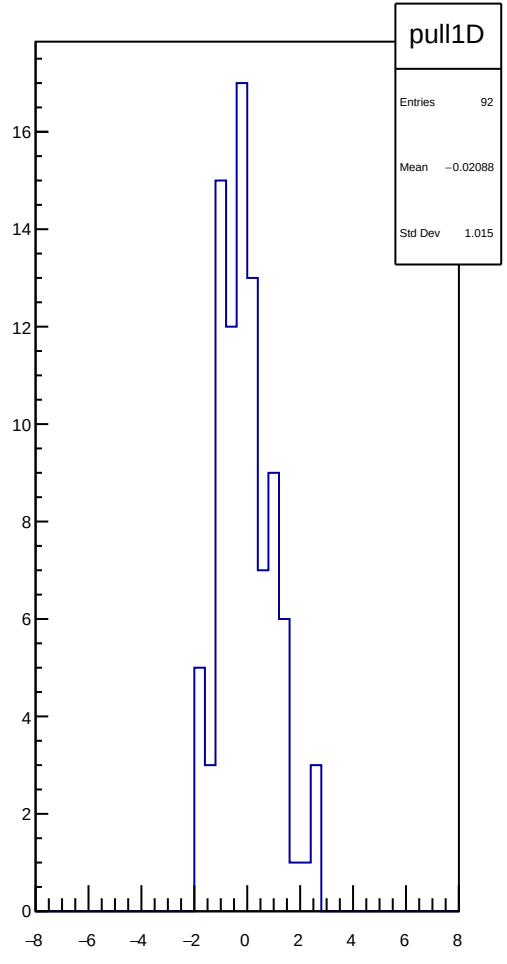

dit_asym_sam3_rms vs run
χ² / ndf 2.468e+04 / 91
p0 246 ± 0.1887
550
500
450
400
350
300
250
200

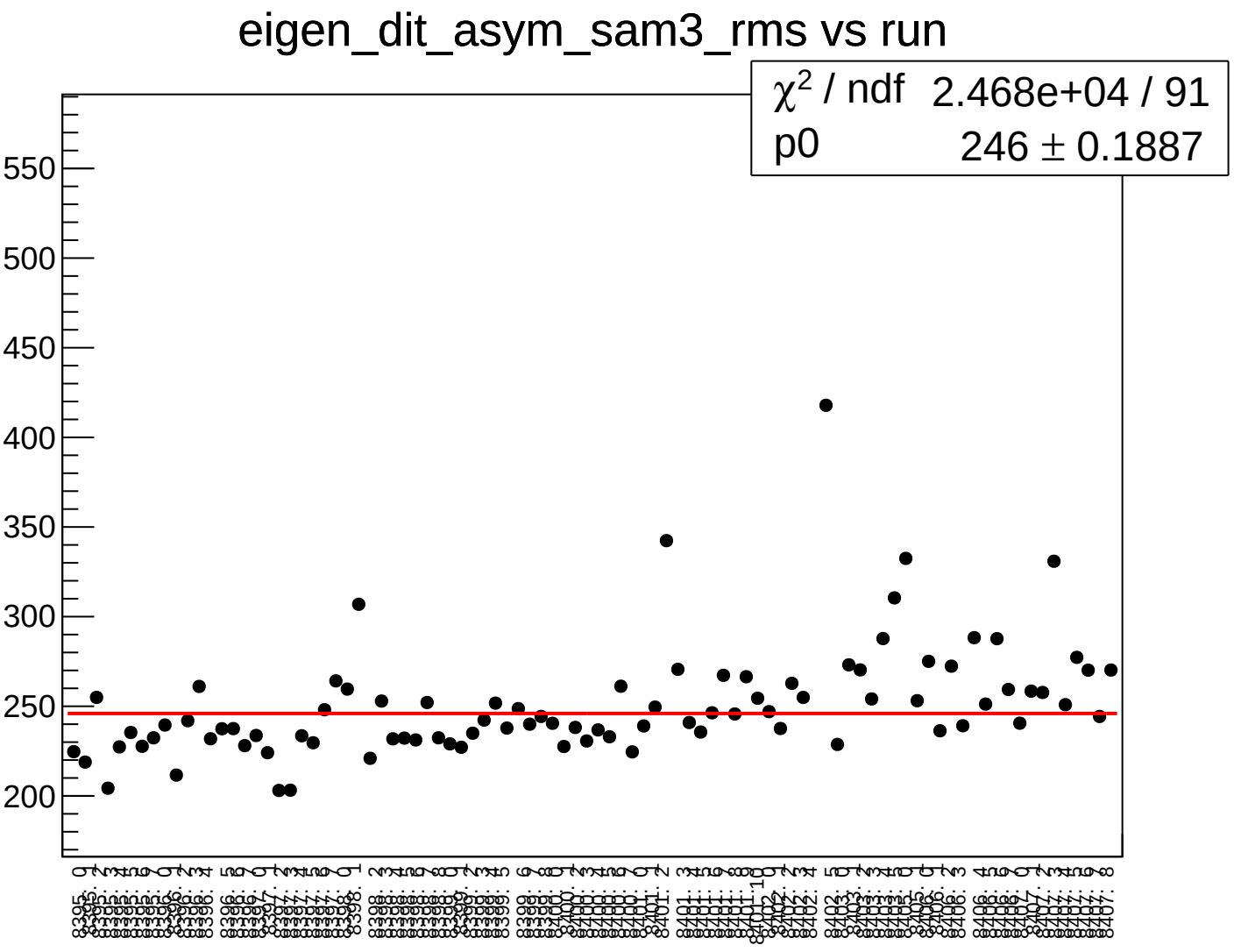

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 77.25 / 91
p0 −2408 ± 2775
pull
Entries 92
Mean 188.3
Std Dev 0

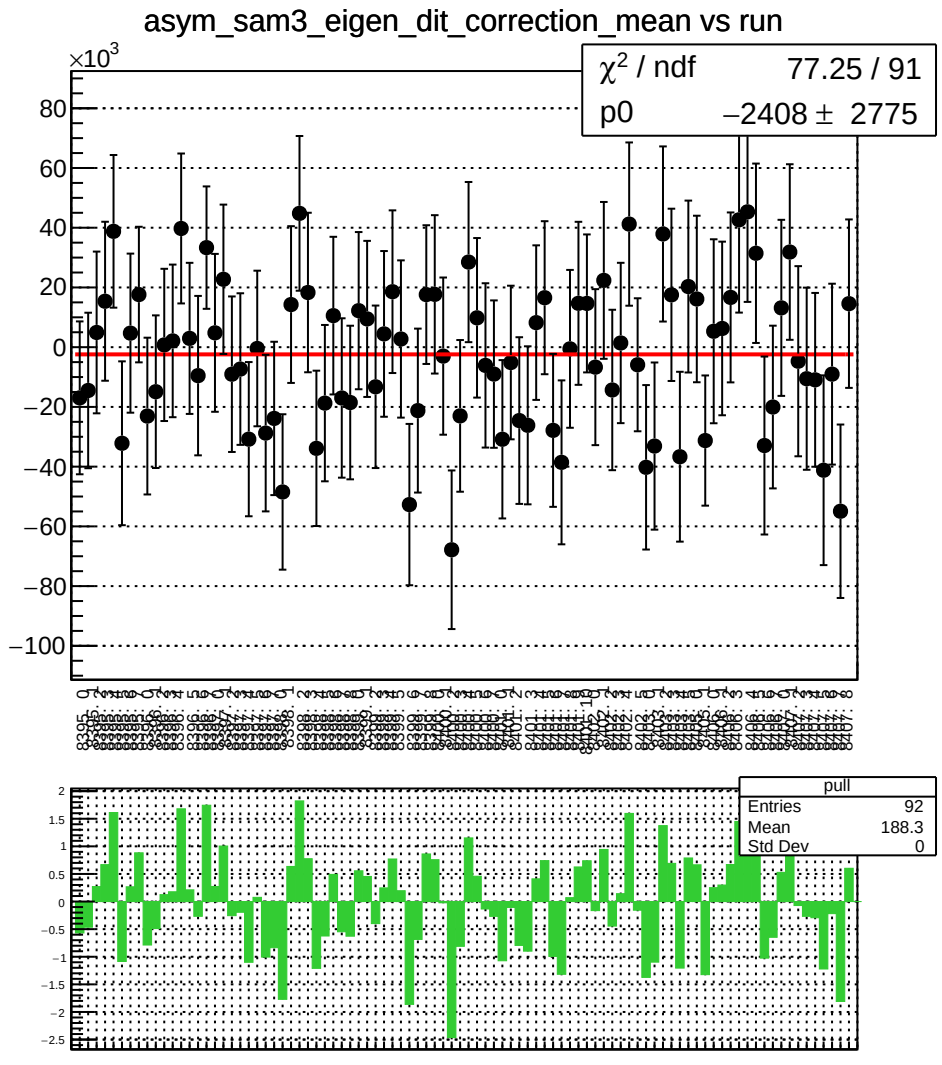

pull1D
Entries 92
Mean −0.003611
Std Dev 0.9163

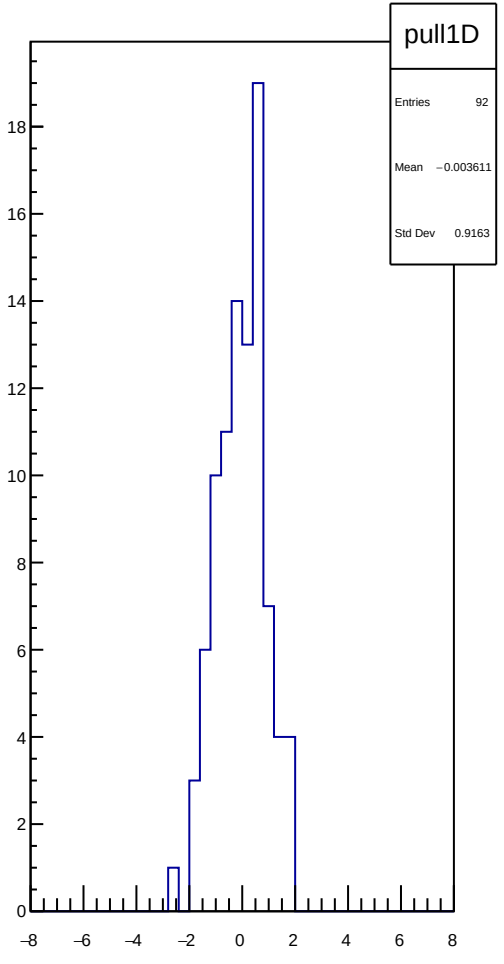

asym_sam3_dit_correction_rms vs run
χ² / ndf 5828 / 91
p0 2572 ± 1.962
3100
3000
2900
2800
2700
2600
2500
2400
2300

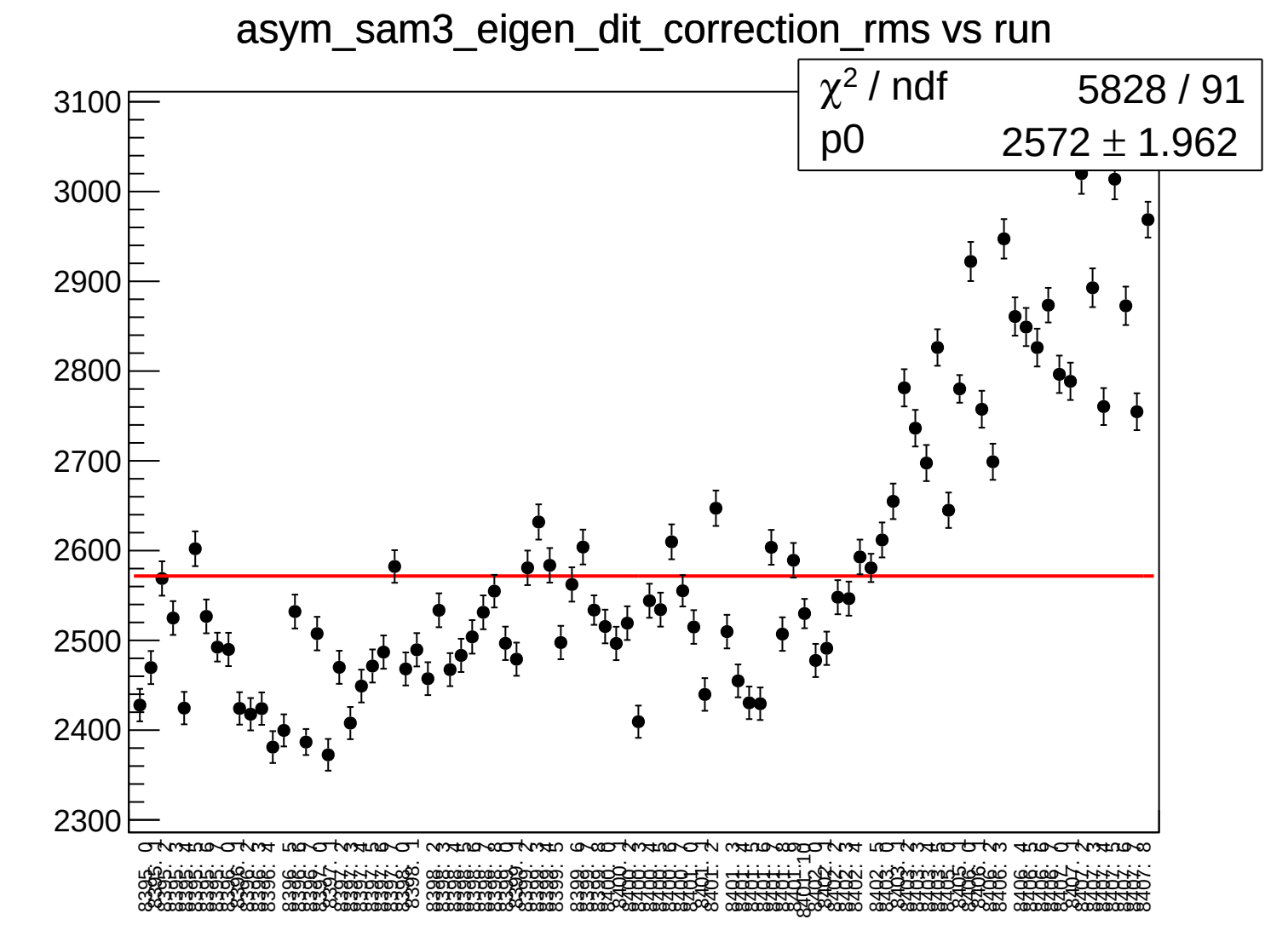

eigen_dit_asym_sam3_mean vs run
χ² / ndf 94.87 / 91
p0 −798.3 ± 266.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 30
Std Dev 46.19
2
1
0
−1
−2

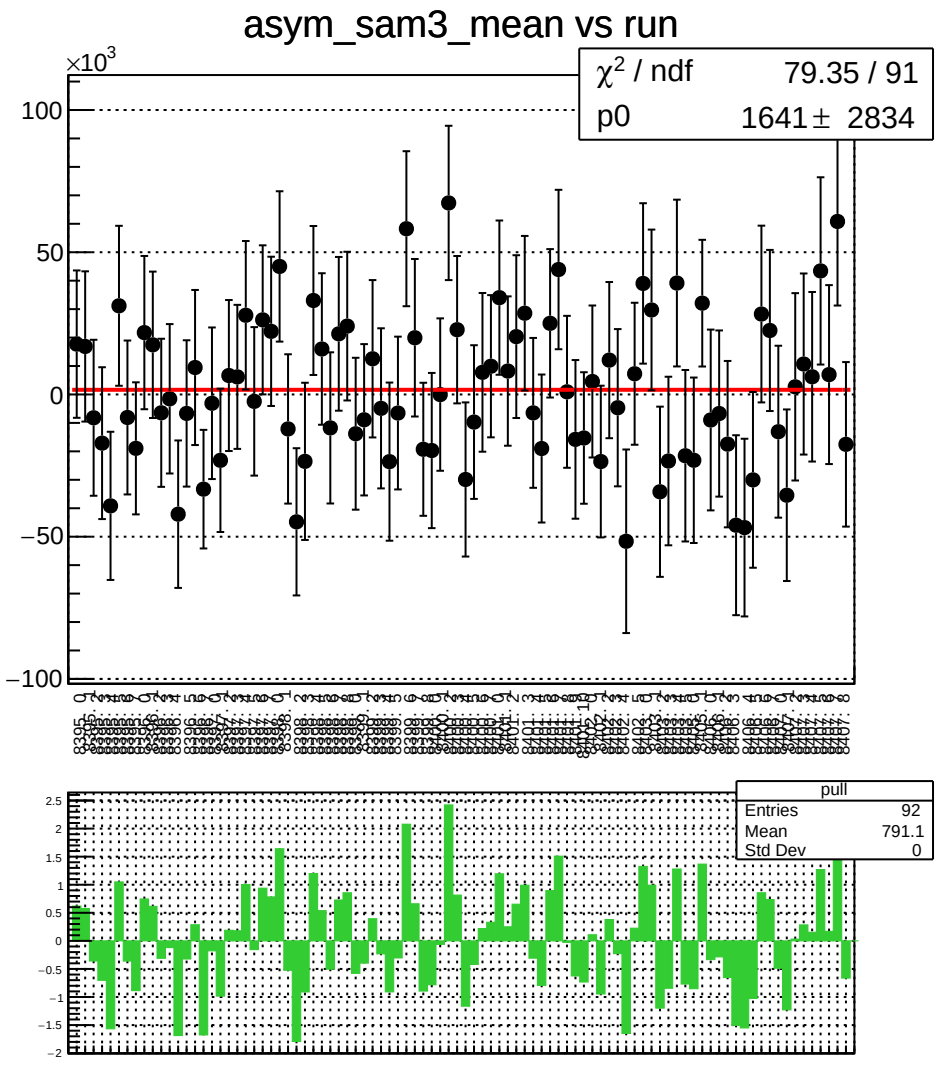

pull1D
Entries 92
Mean −0.02088
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

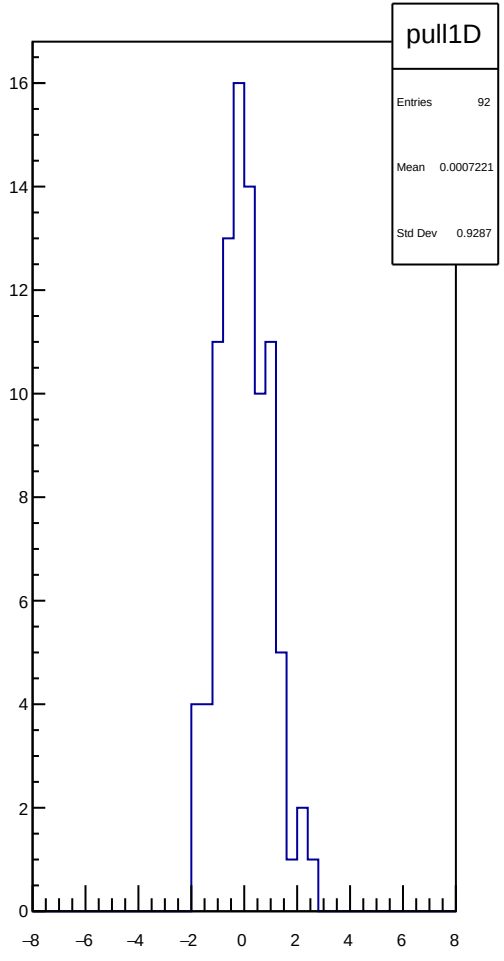

eigen_dit_asym_sam3_rms vs run
$\chi^2$ / ndf 2.468e+04 / 91
p0 246 ± 0.1887
550
500
450
400
350
300
250
200

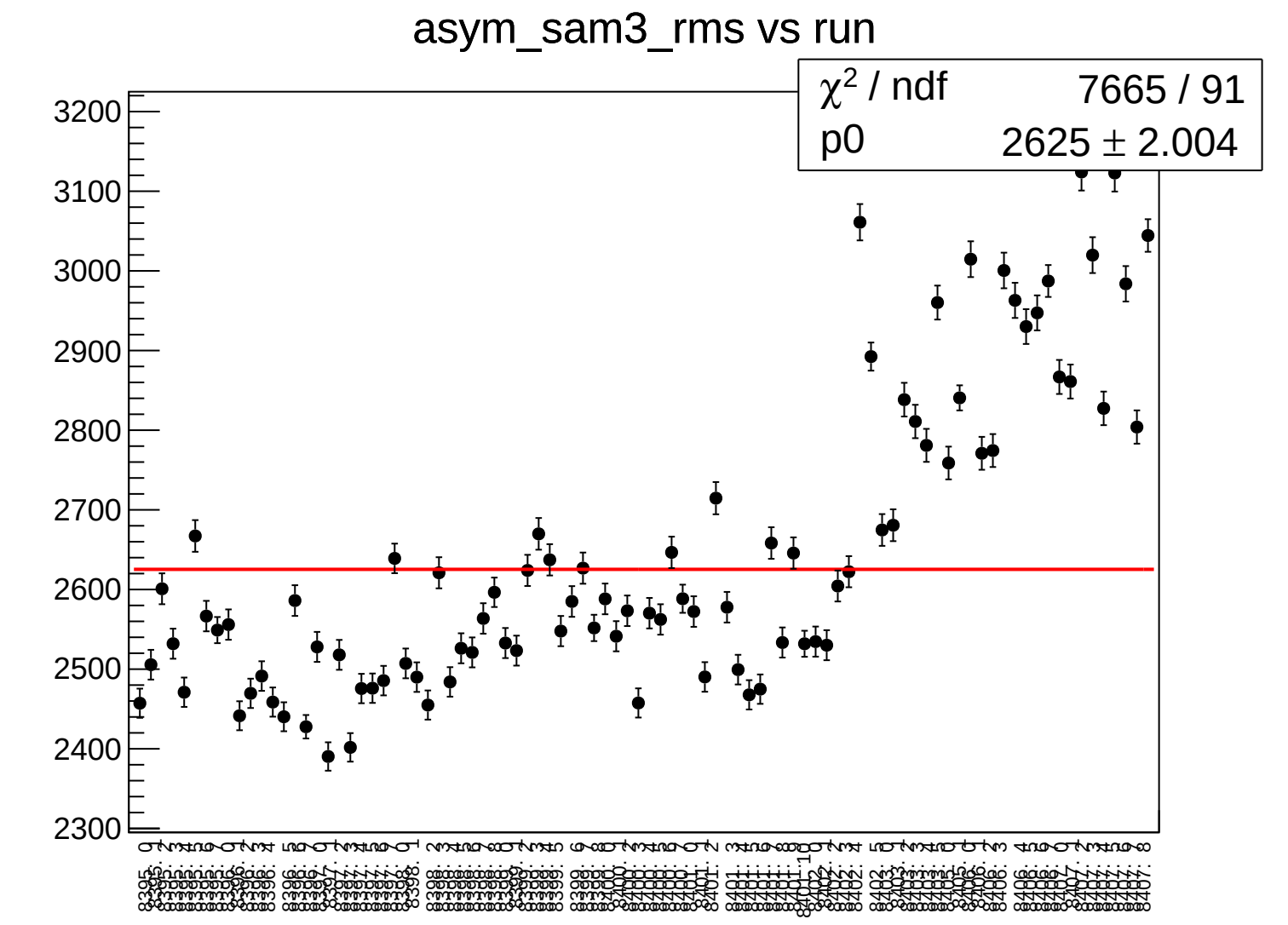

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 77.25 / 91
p0 −2408 ± 2775
pull
Entries 92
Mean 188.3
Std Dev 0

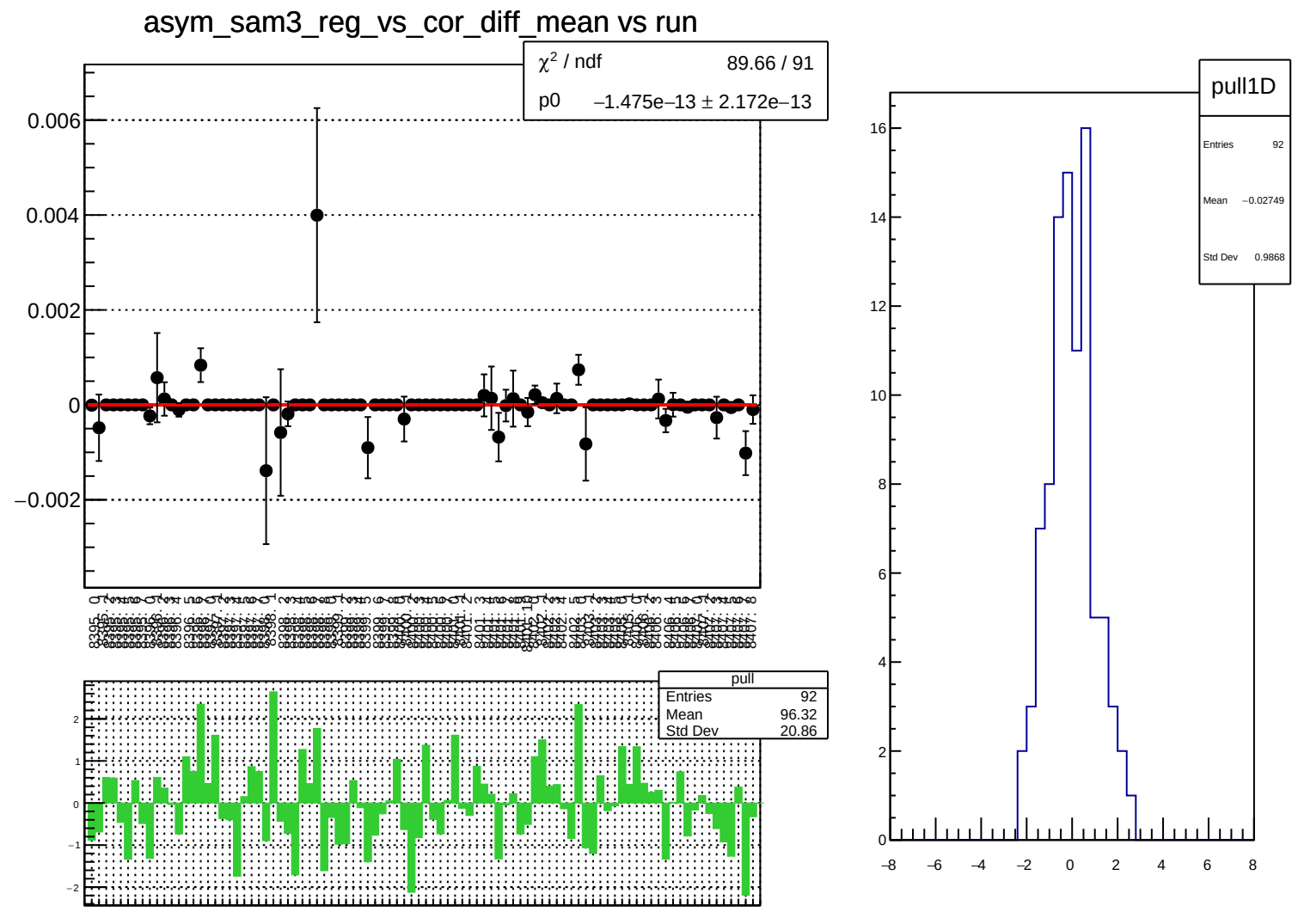

pull1D
Entries 92
Mean −0.003611
Std Dev 0.9163

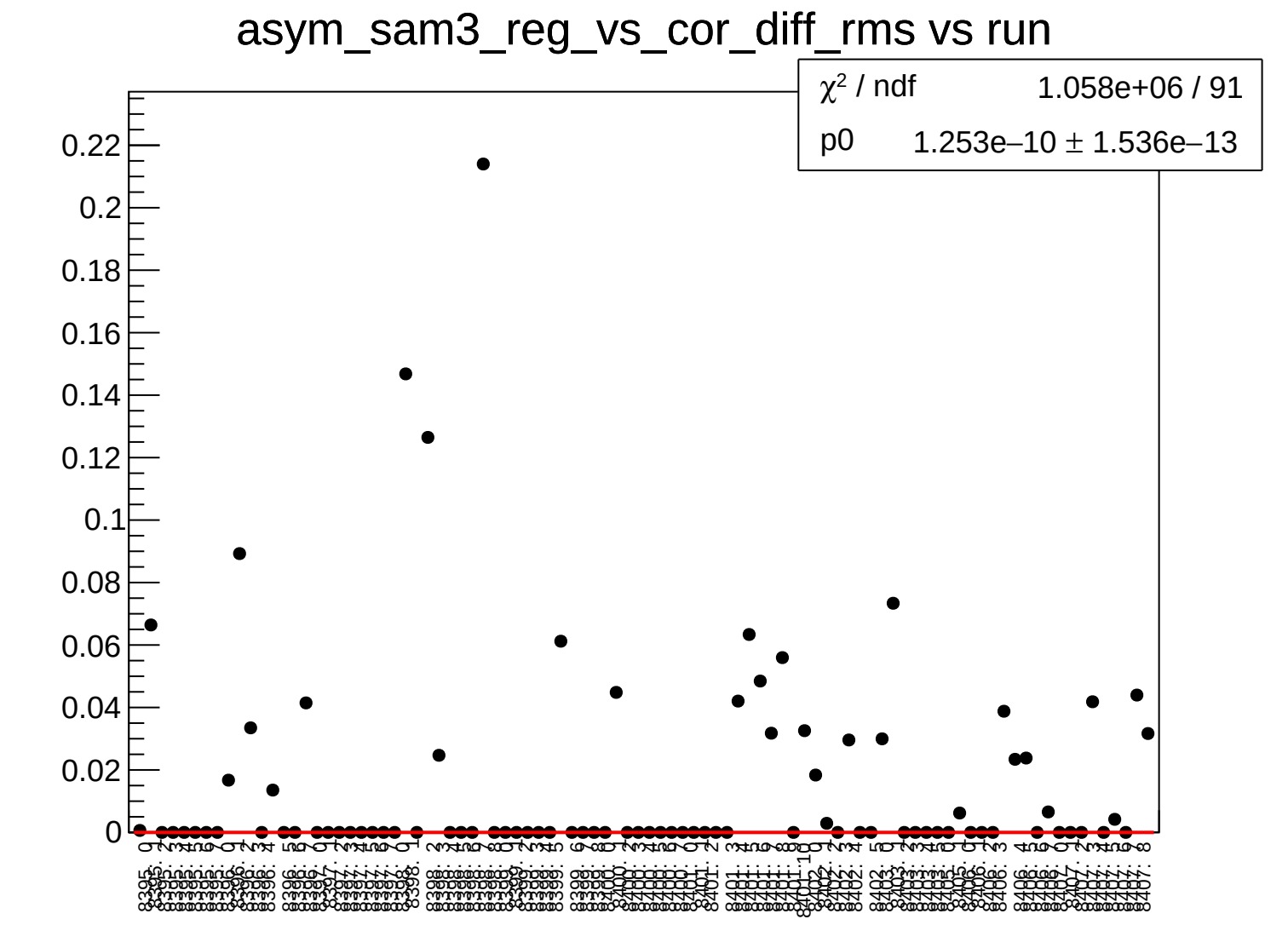

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 5828 / 91
p0 2572 ± 1.962
3100
3000
2900
2800
2700
2600
2500
2400
2300

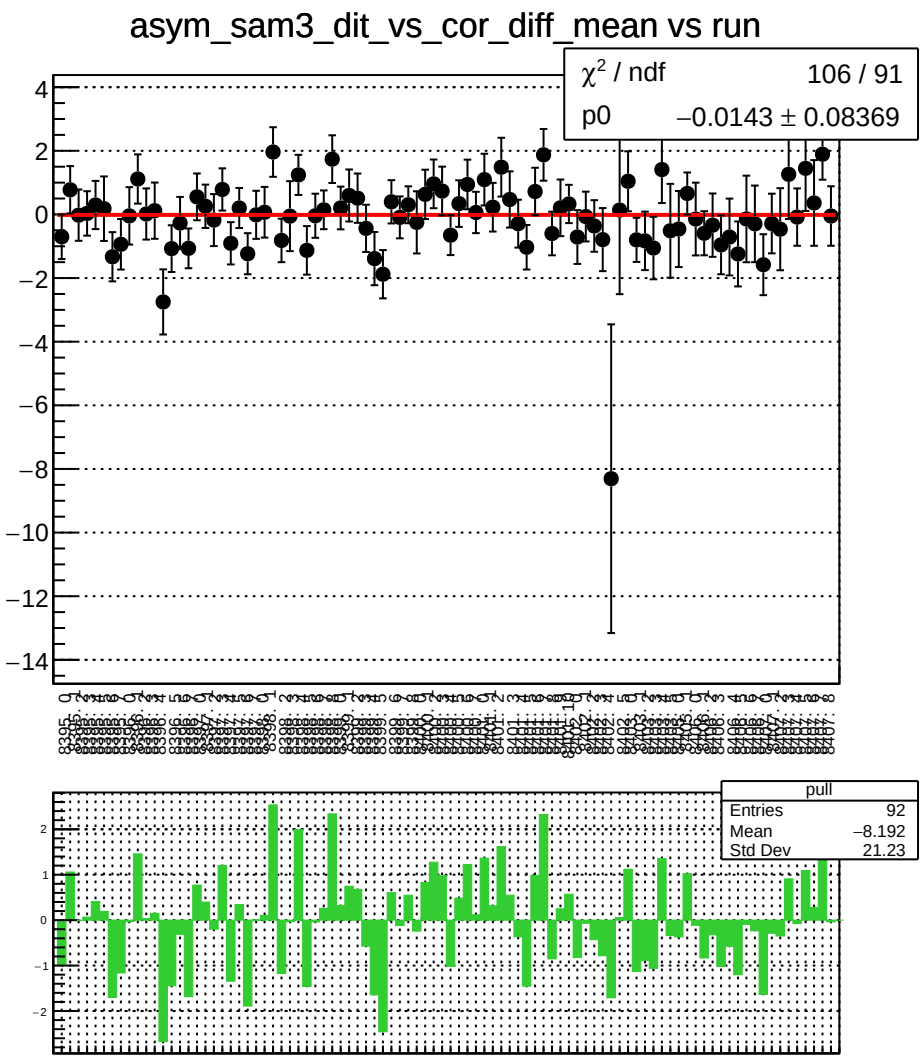

asym_sam3_mean vs run
×10^3
χ² / ndf 79.35 / 91
p0 1641 ± 2834
100
50
0
−50
−100
pull
Entries 92
Mean 791.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

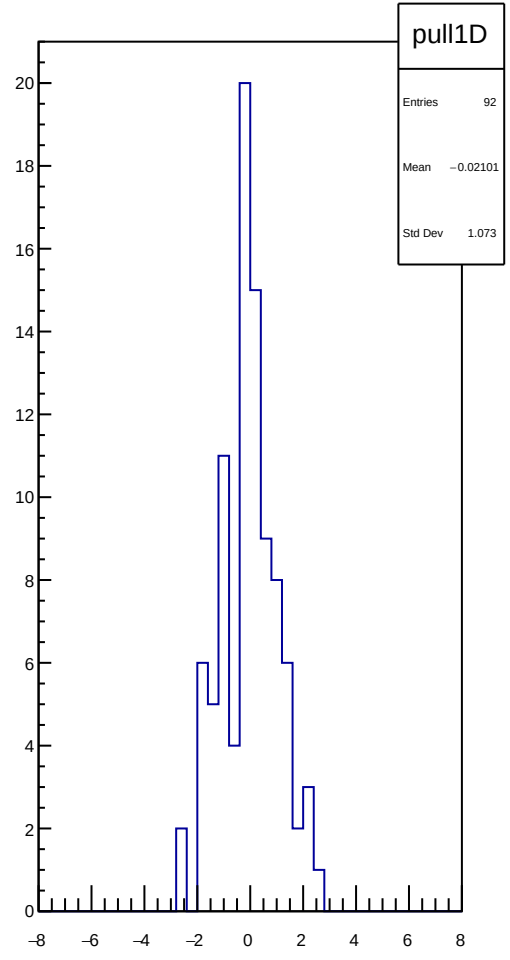

pull1D
Entries 92
Mean 0.0007221
Std Dev 0.9287
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

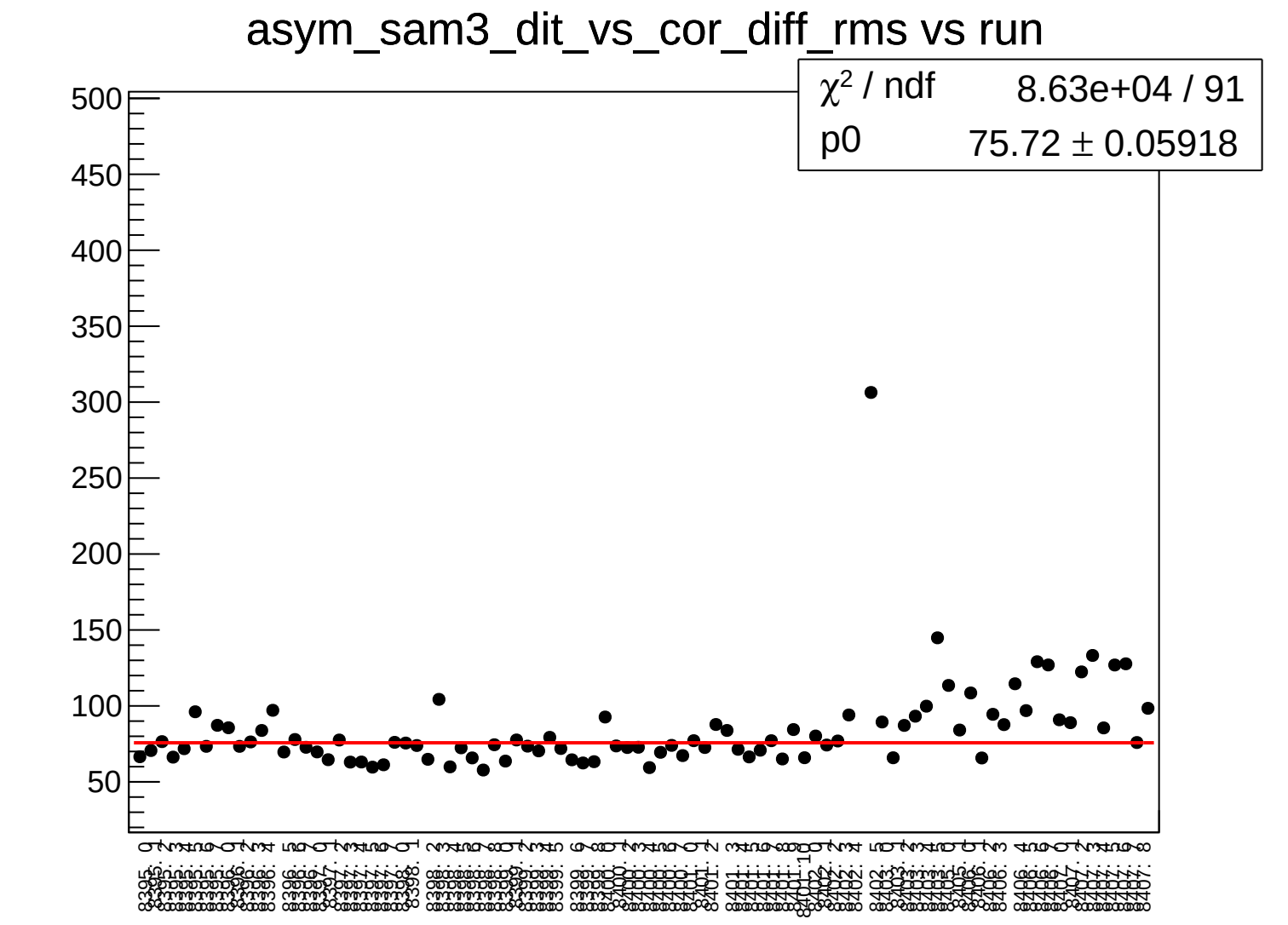

asym_sam3_rms vs run
$\chi^2$ / ndf 7665 / 91
p0 2625 ± 2.004
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300

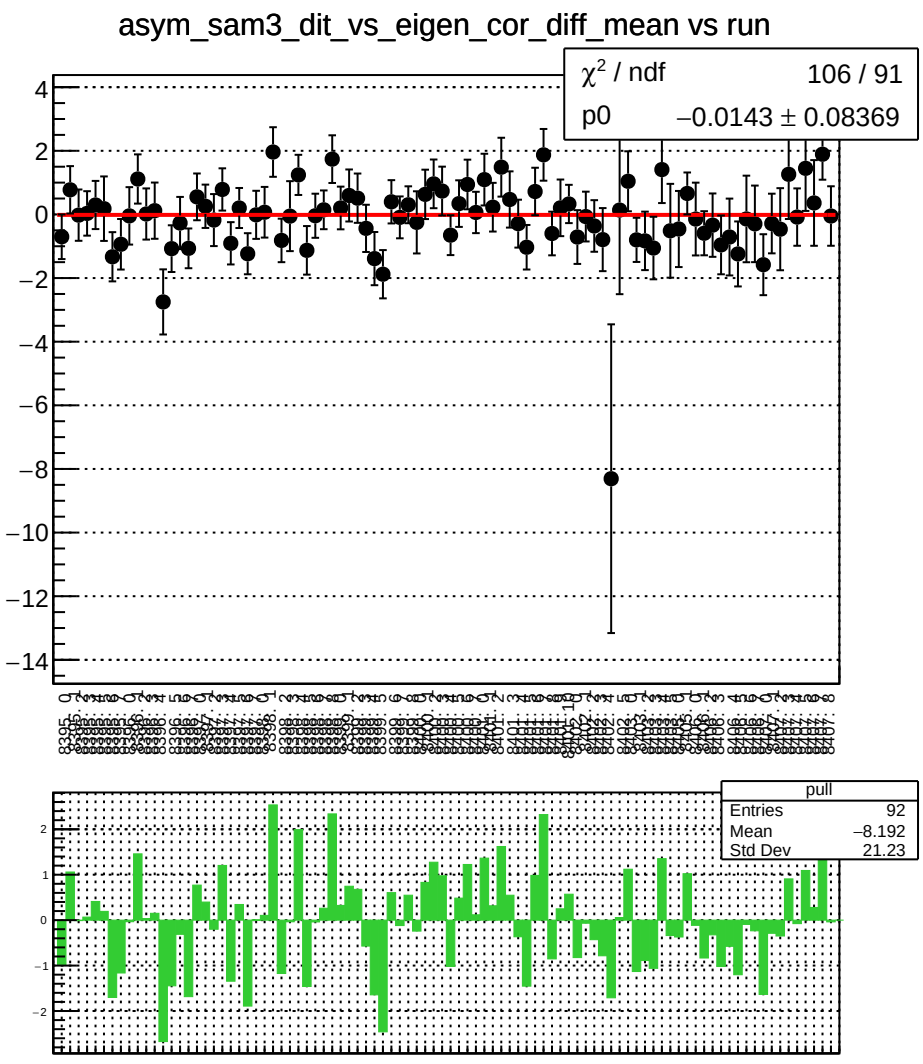

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 89.66 / 91
p0 −1.475e−13 ± 2.172e−13
0.006
0.004
0.002
0
−0.002
pull
Entries 92
Mean 96.32
Std Dev 20.86
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.02749
Std Dev 0.9868
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

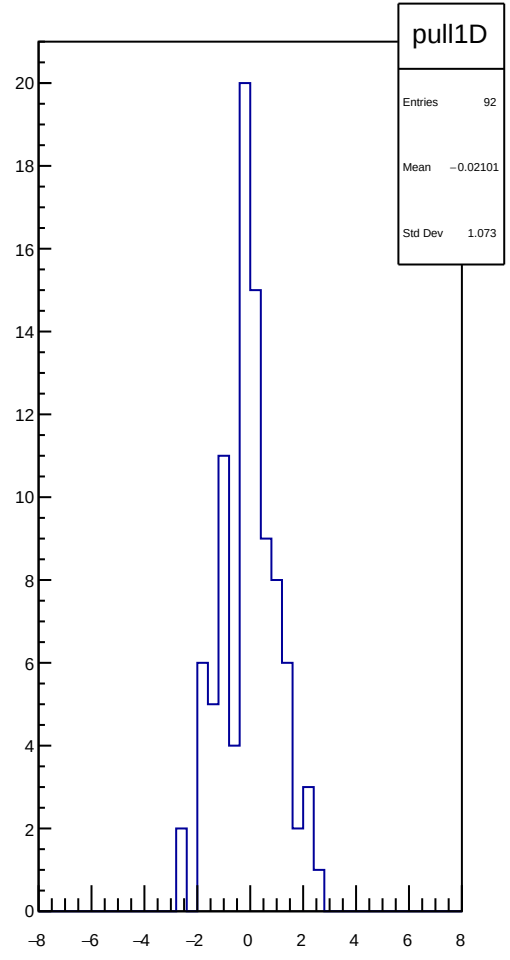

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 1.058e+06 / 91
p0 1.253e−10 ± 1.536e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

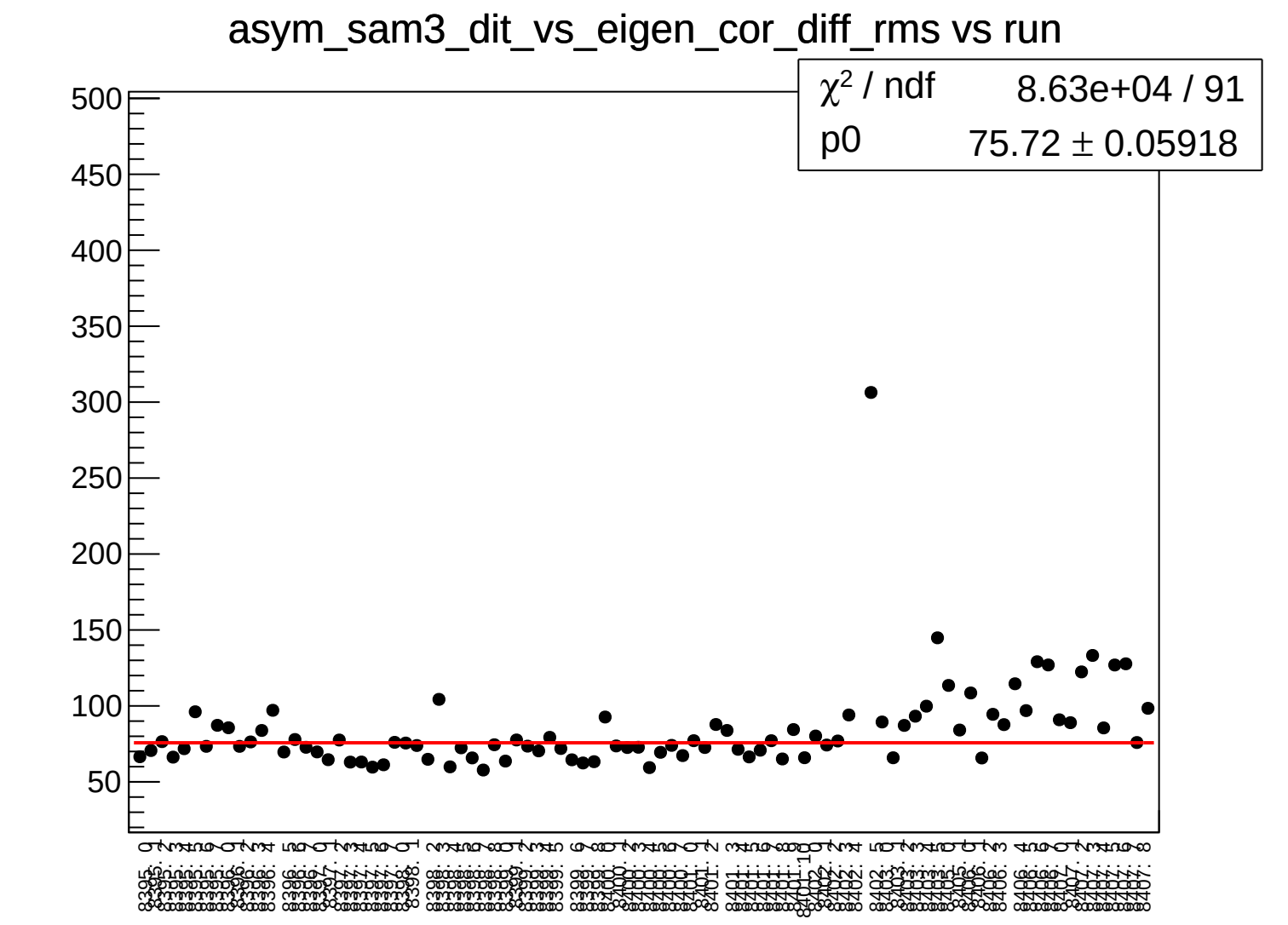

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 106 / 91
p0 −0.0143 ± 0.08369
pull
Entries 92
Mean −8.192
Std Dev 21.23

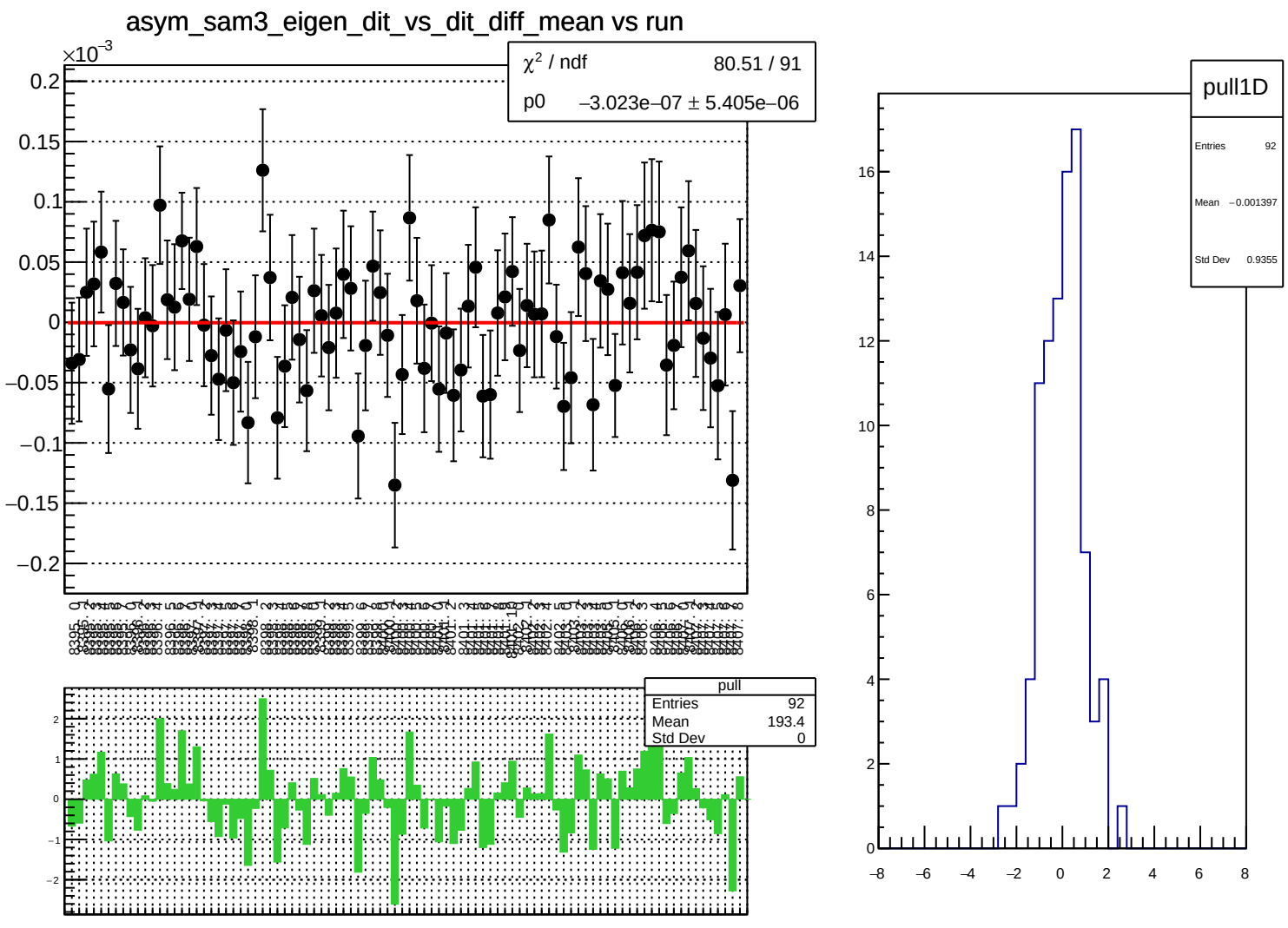

pull1D
Entries 92
Mean −0.02101
Std Dev 1.073

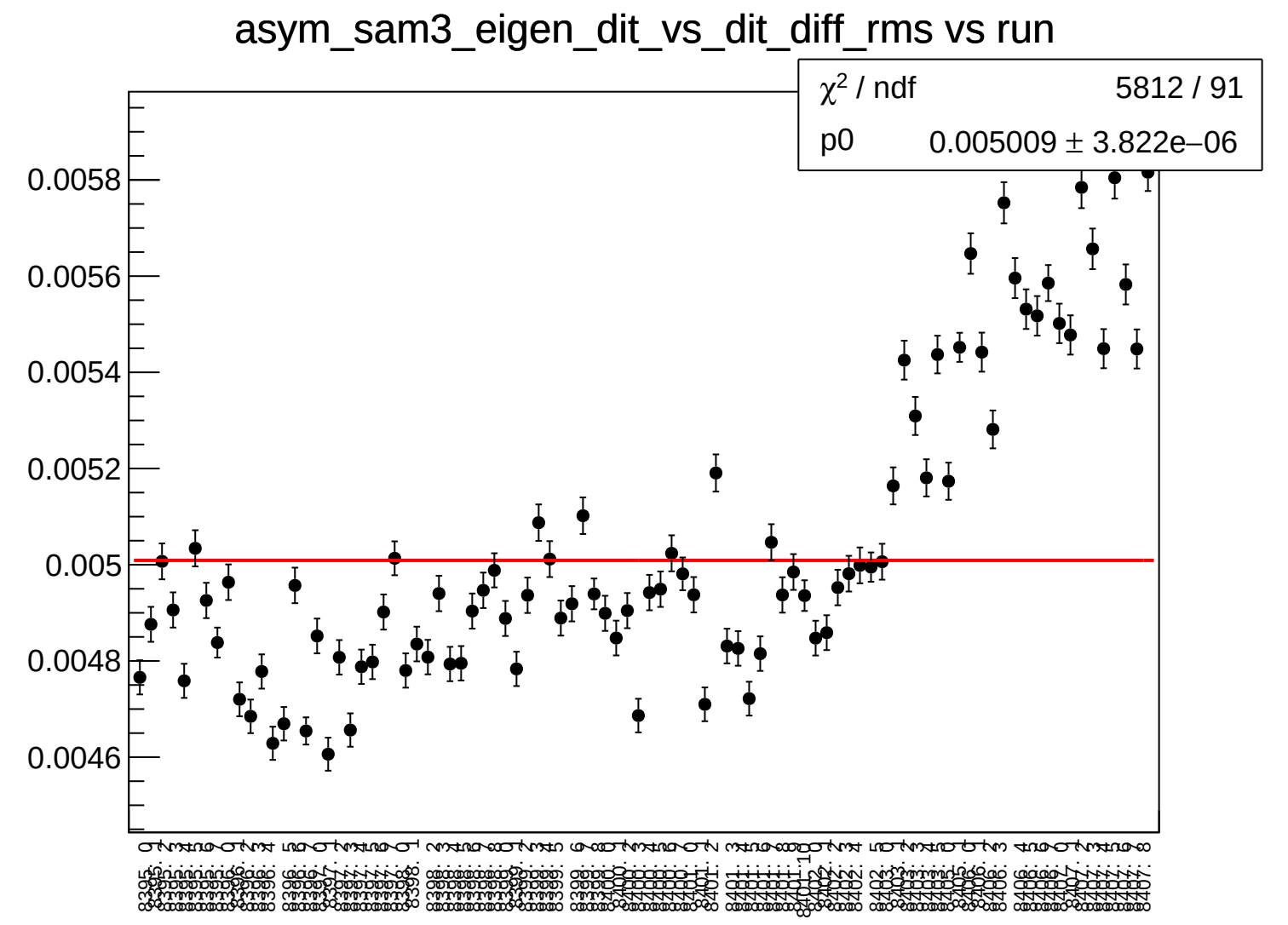

asym_sam3_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 8.63e+04 / 91
p0 75.72 ± 0.05918
500
450
400
350
300
250
200
150
100
50

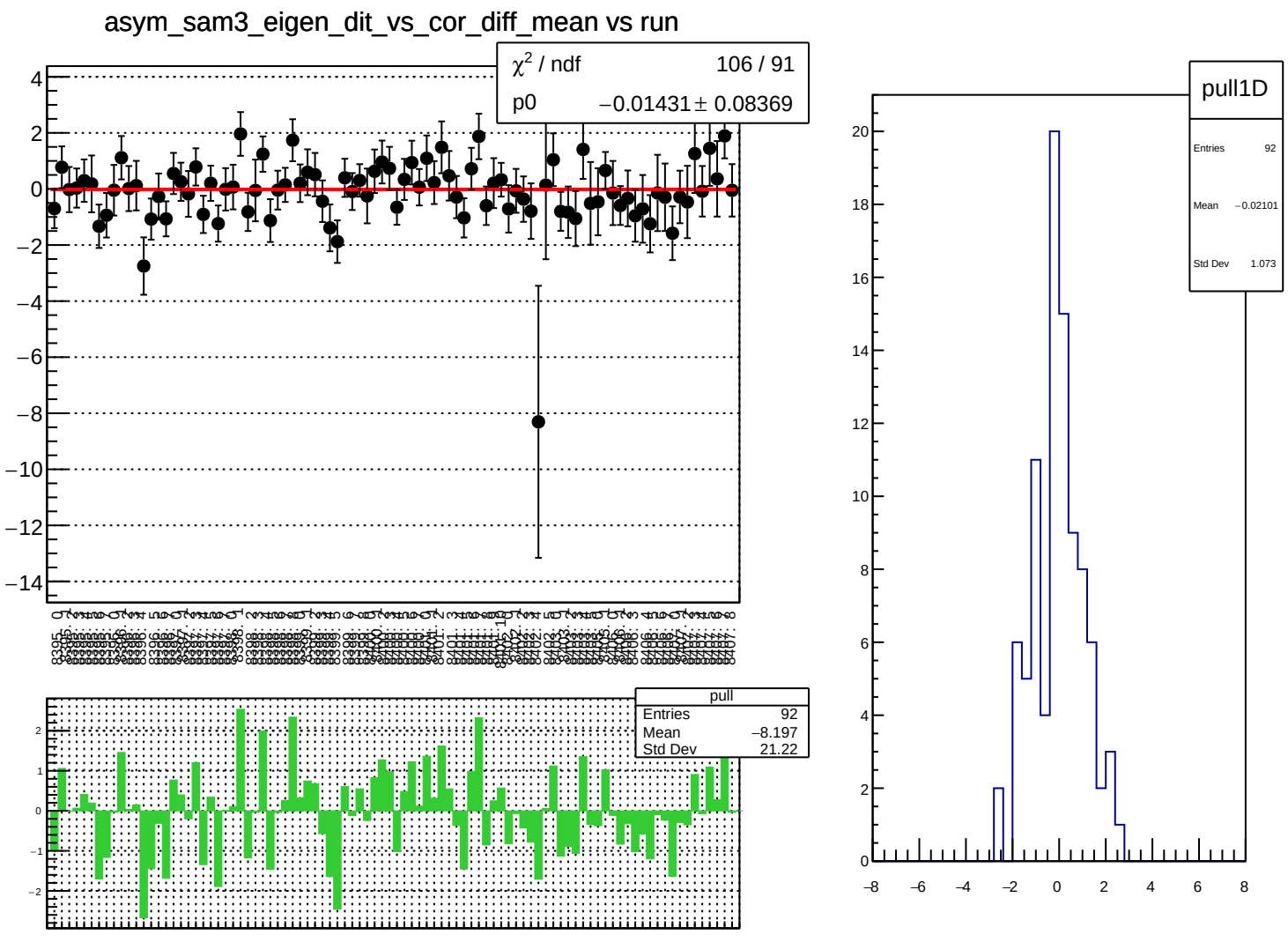

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106 / 91
p0 −0.0143 ± 0.08369
pull
Entries 92
Mean −8.192
Std Dev 21.23

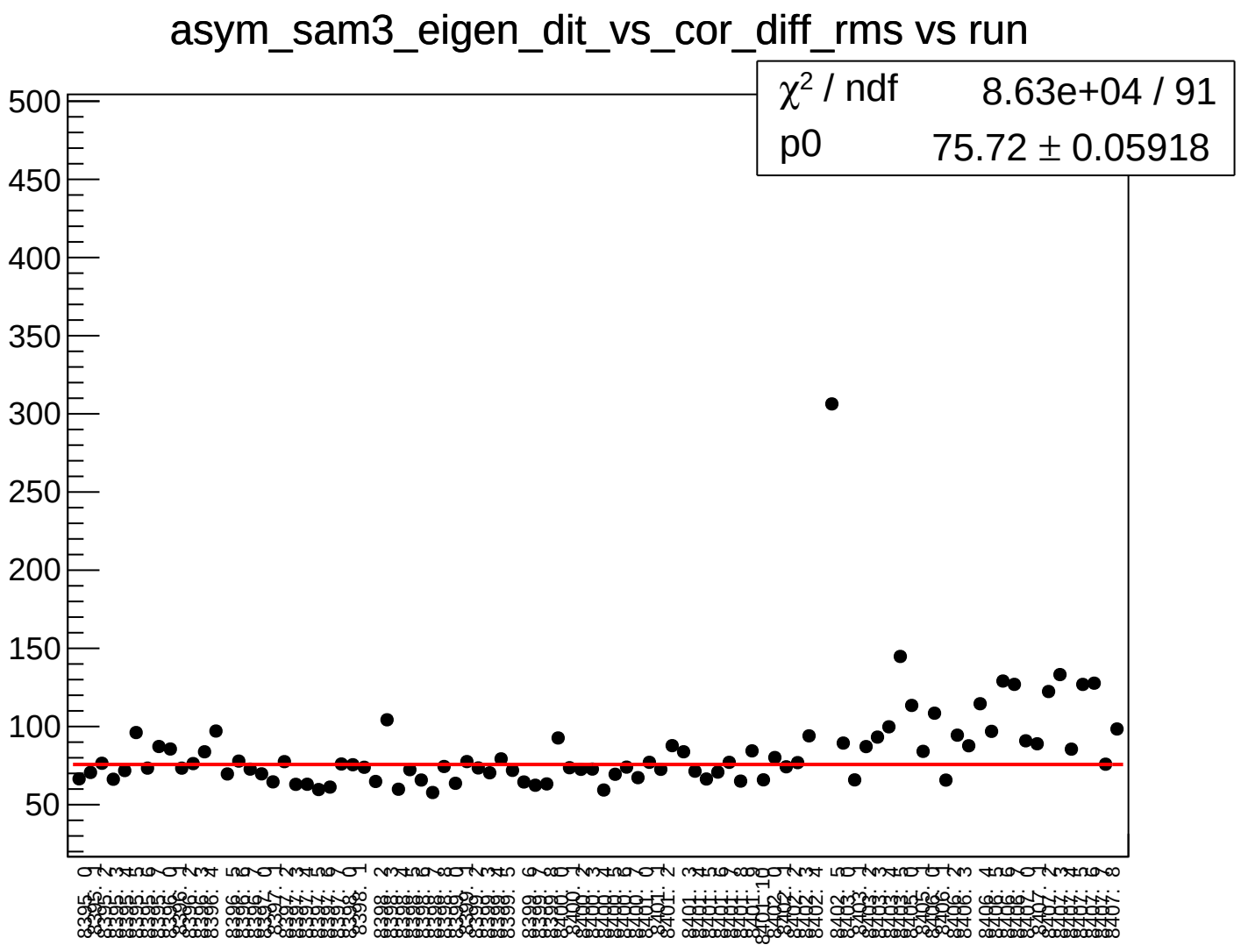

pull1D
Entries 92
Mean −0.02101
Std Dev 1.073

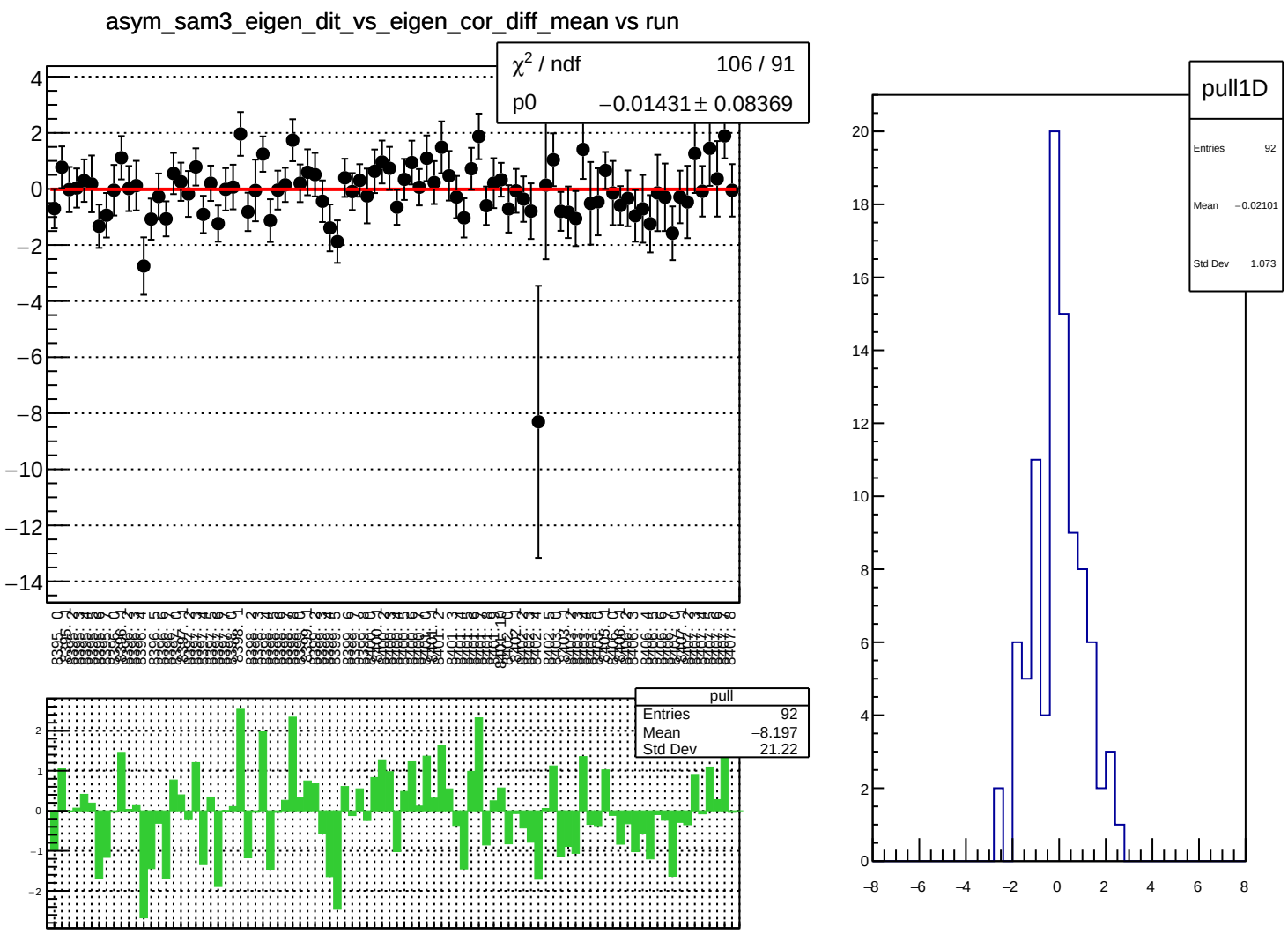

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.63e+04 / 91
p0 75.72 ± 0.05918
500
450
400
350
300
250
200
150
100
50

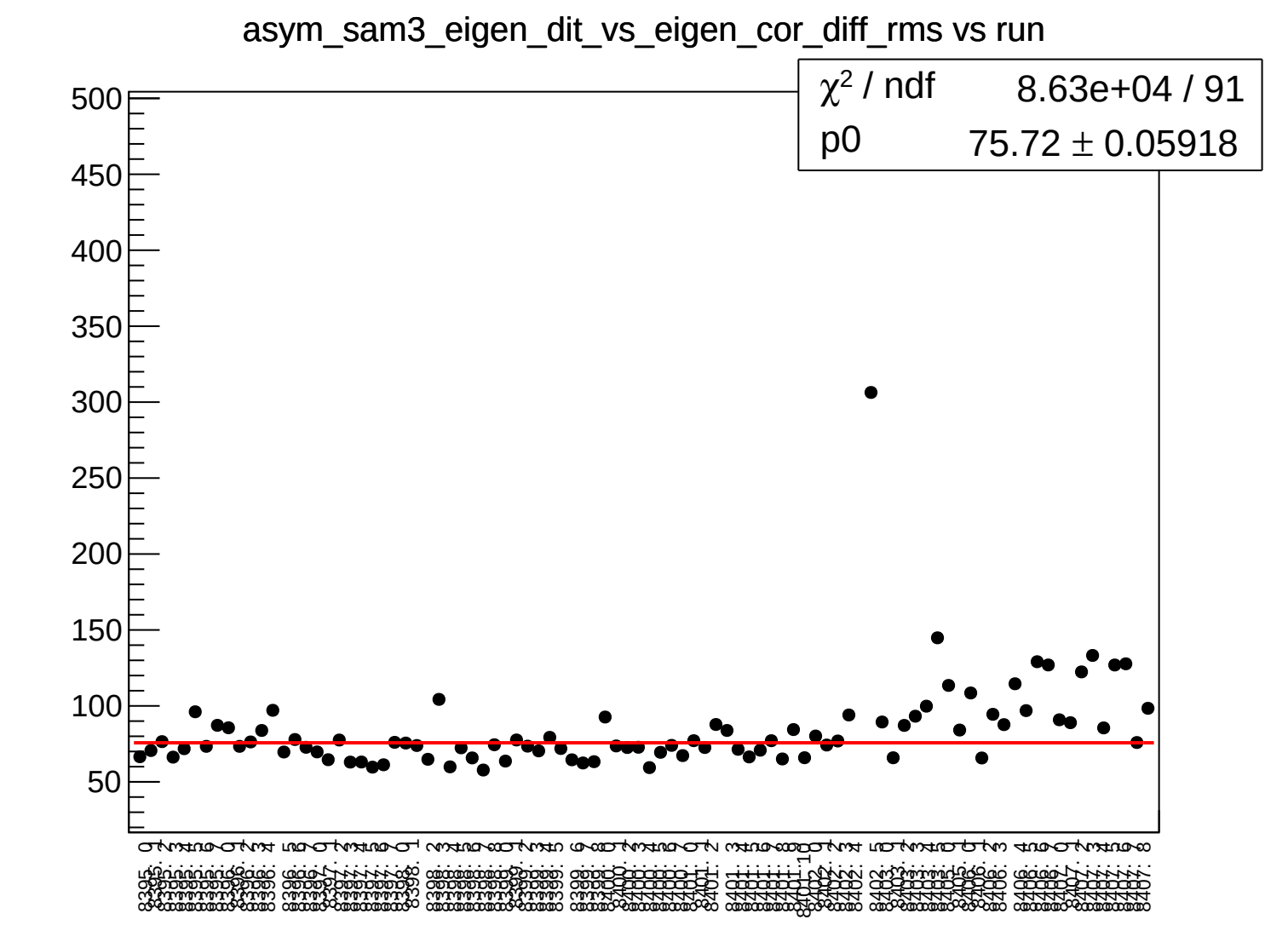

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 80.51 / 91
p0 −3.023e−07 ± 5.405e−06
pull
Entries 92
Mean 193.4
Std Dev 0
pull1D
Entries 92
Mean −0.001397
Std Dev 0.9355

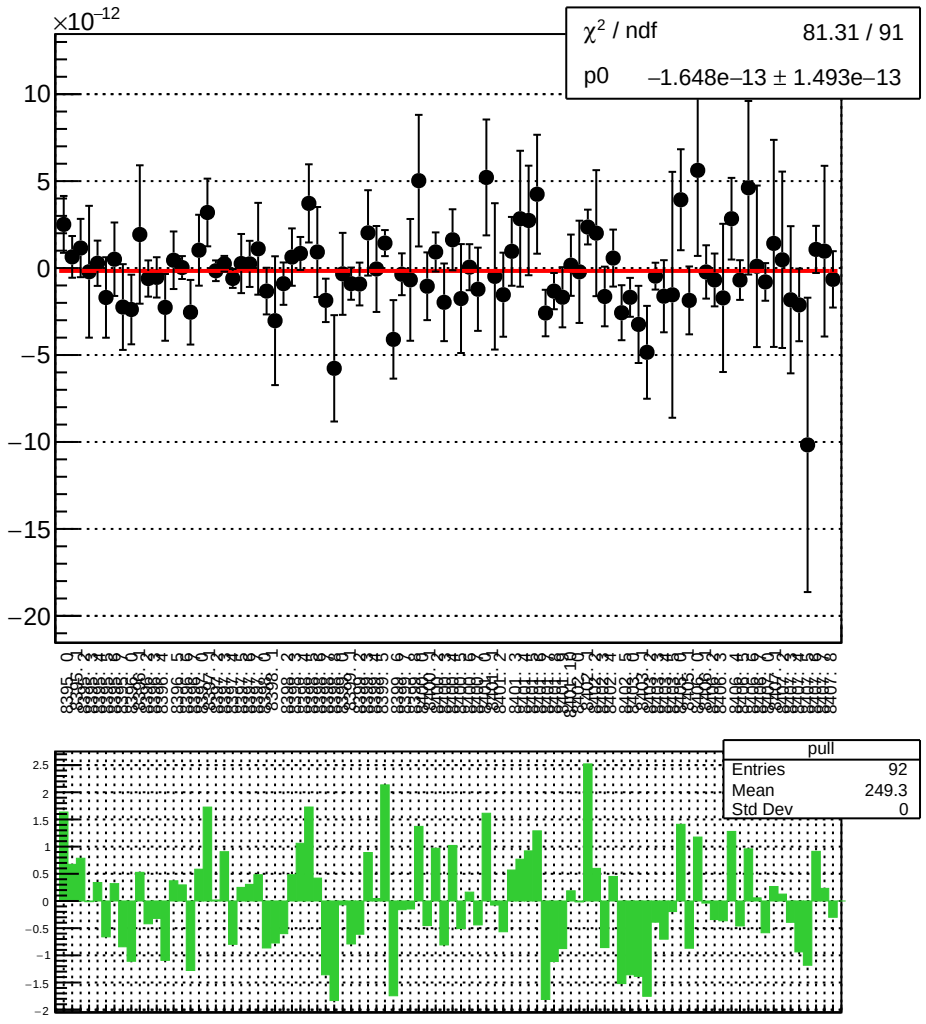

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5812 / 91
p0 0.005009 ± 3.822e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046

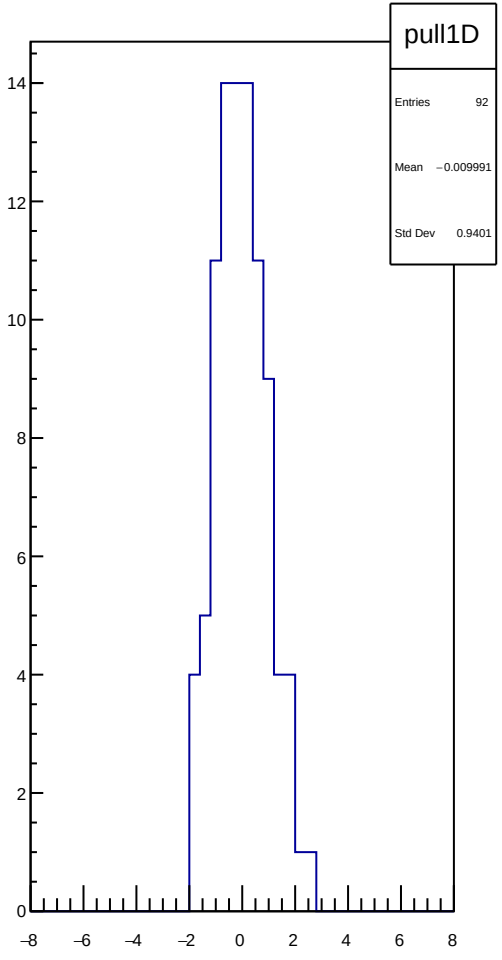

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106 / 91
p0 −0.01431 ± 0.08369
pull
Entries 92
Mean −8.197
Std Dev 21.22
pull1D
Entries 92
Mean −0.02101
Std Dev 1.073

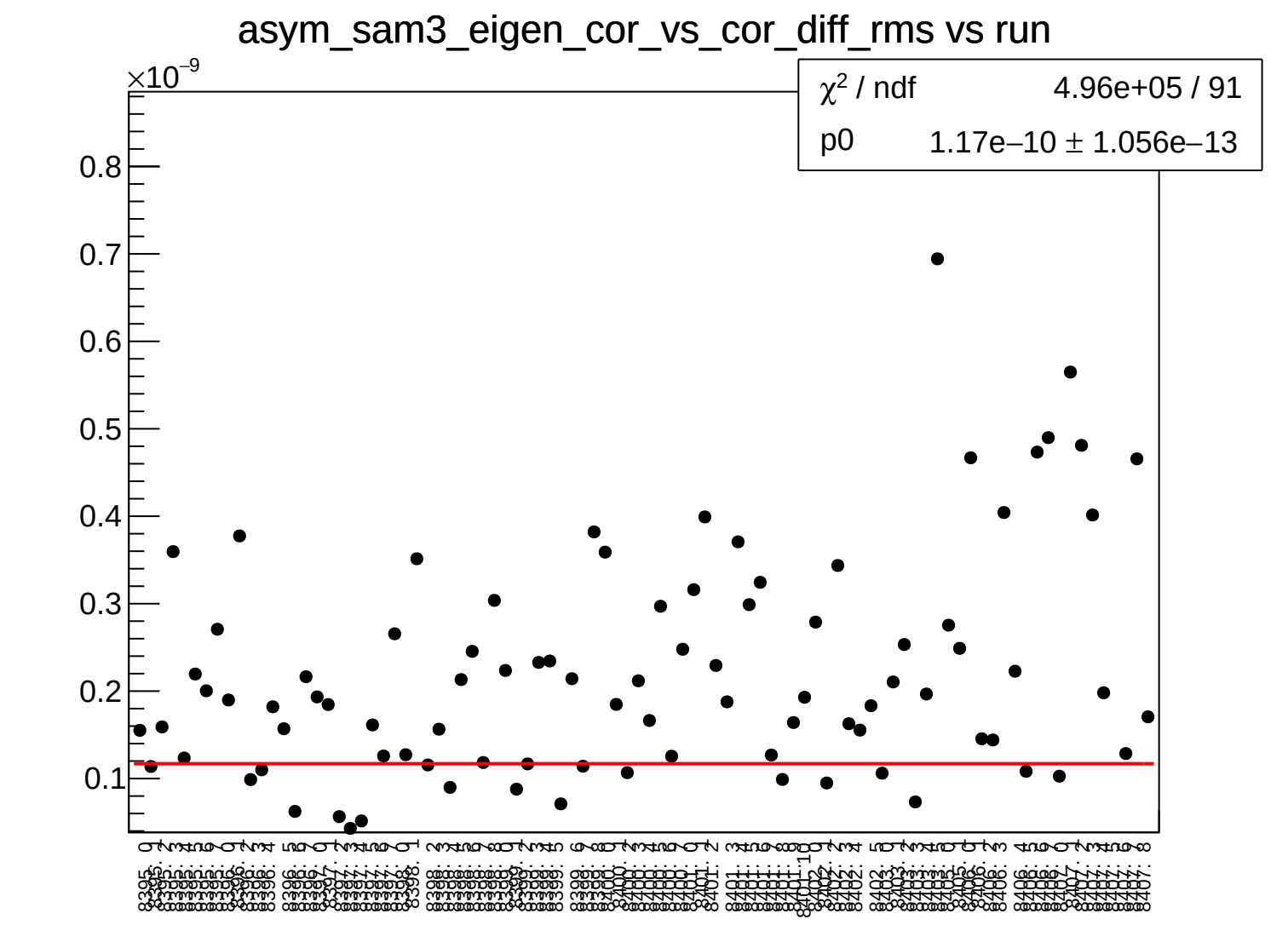

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.63e+04 / 91
p0 75.72 ± 0.05918
500
450
400
350
300
250
200
150
100
50

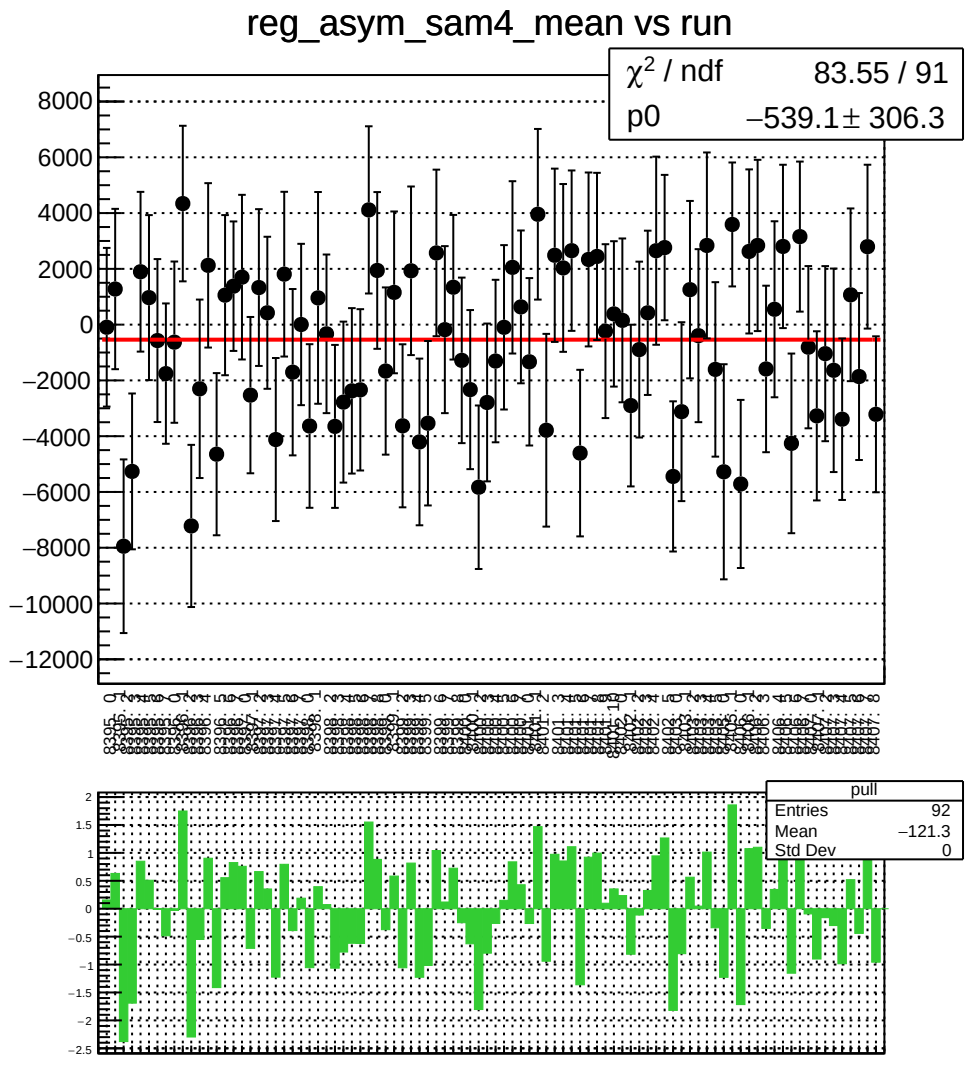

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106 / 91
p0 −0.01431 ± 0.08369
pull
Entries 92
Mean −8.197
Std Dev 21.22
pull1D
Entries 92
Mean −0.02101
Std Dev 1.073

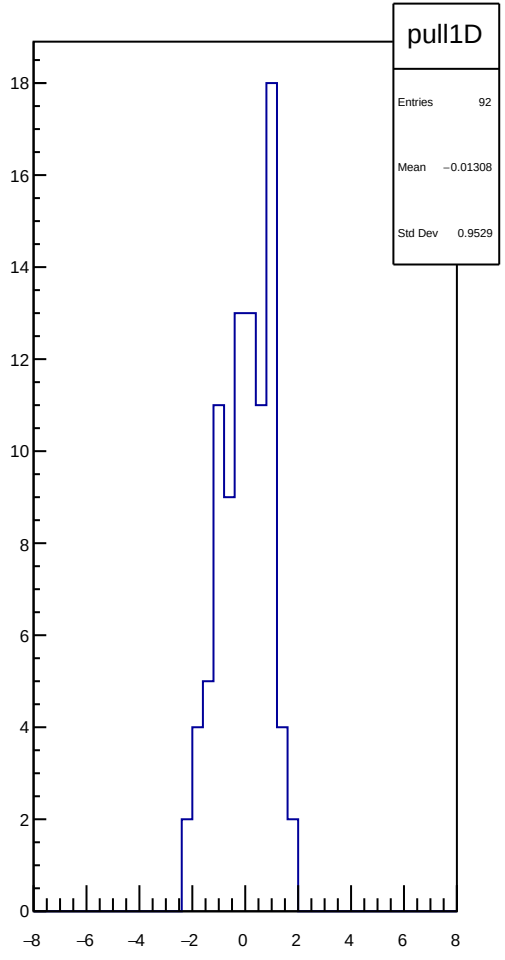

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.63e+04 / 91
p0 75.72 ± 0.05918
500
450
400
350
300
250
200
150
100
50

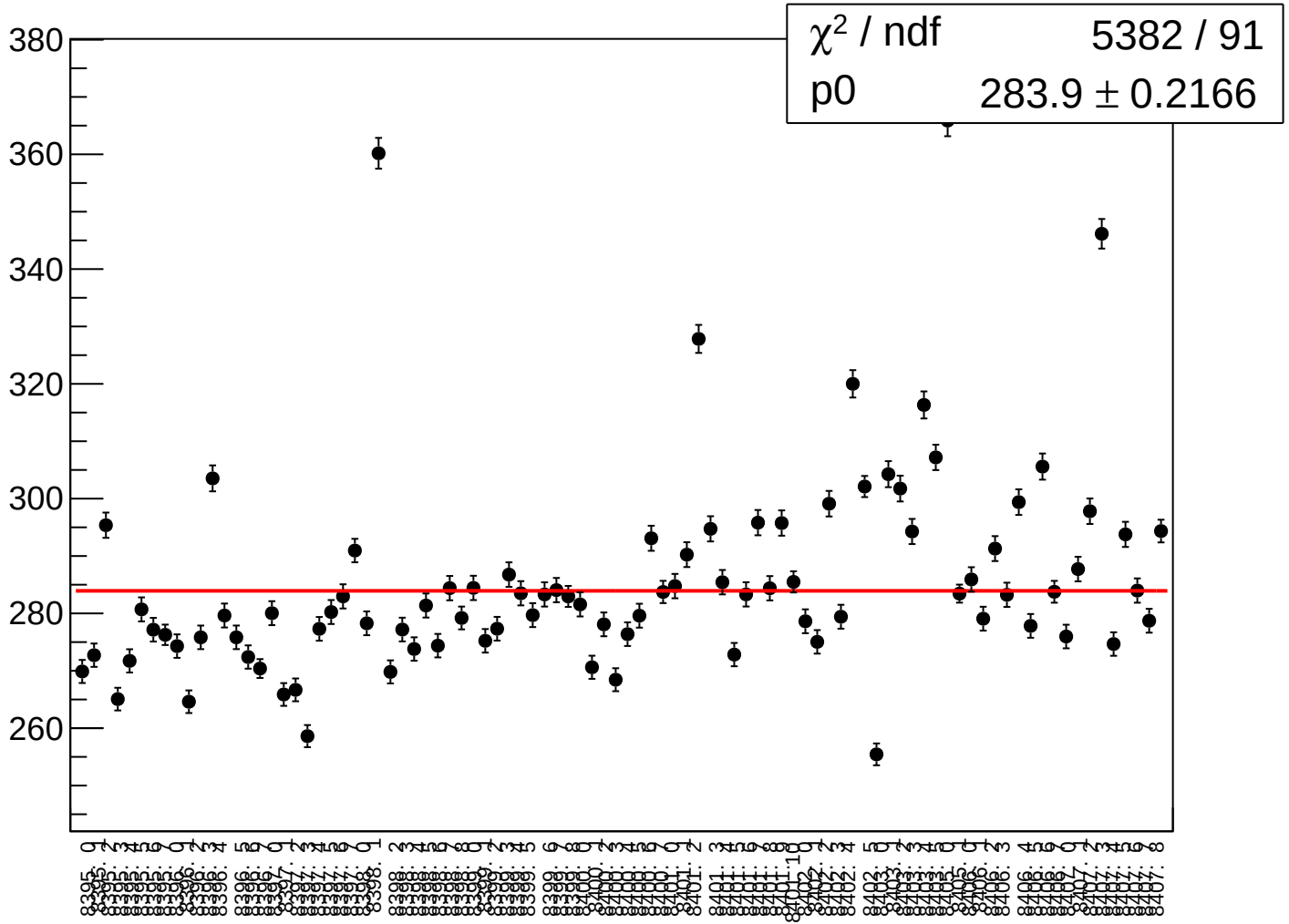

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.31 / 91
p0 −1.648e−13 ± 1.493e−13
pull
Entries 92
Mean 249.3
Std Dev 0

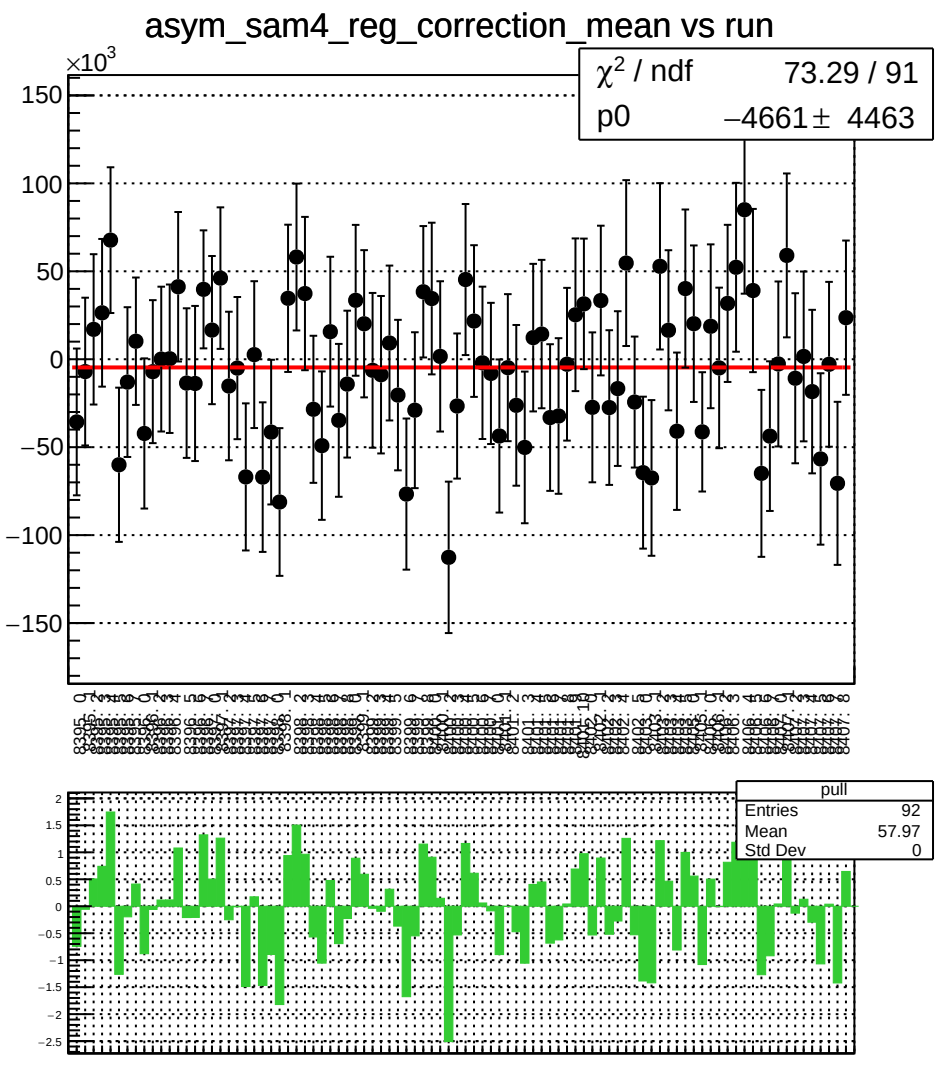

pull1D
Entries 92
Mean −0.009991
Std Dev 0.9401

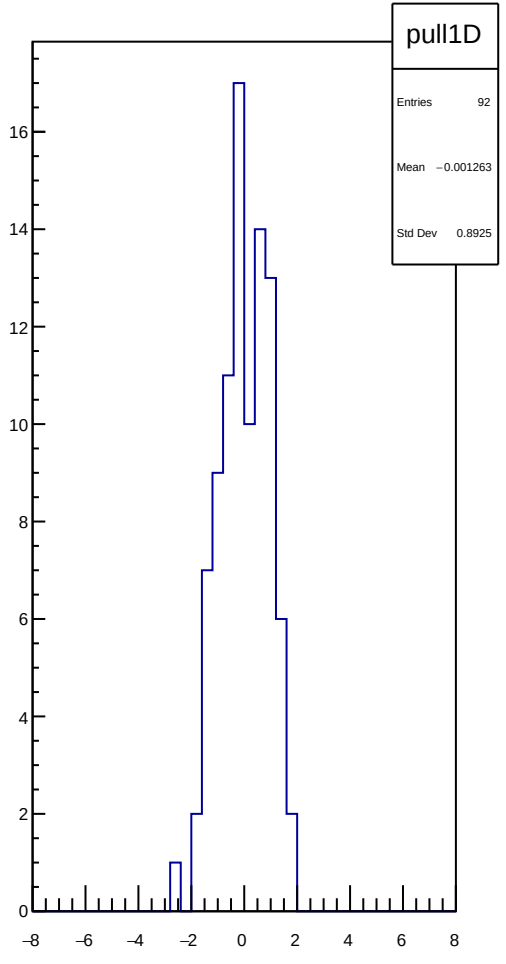

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.96e+05 / 91
p0 1.17e−10 ± 1.056e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

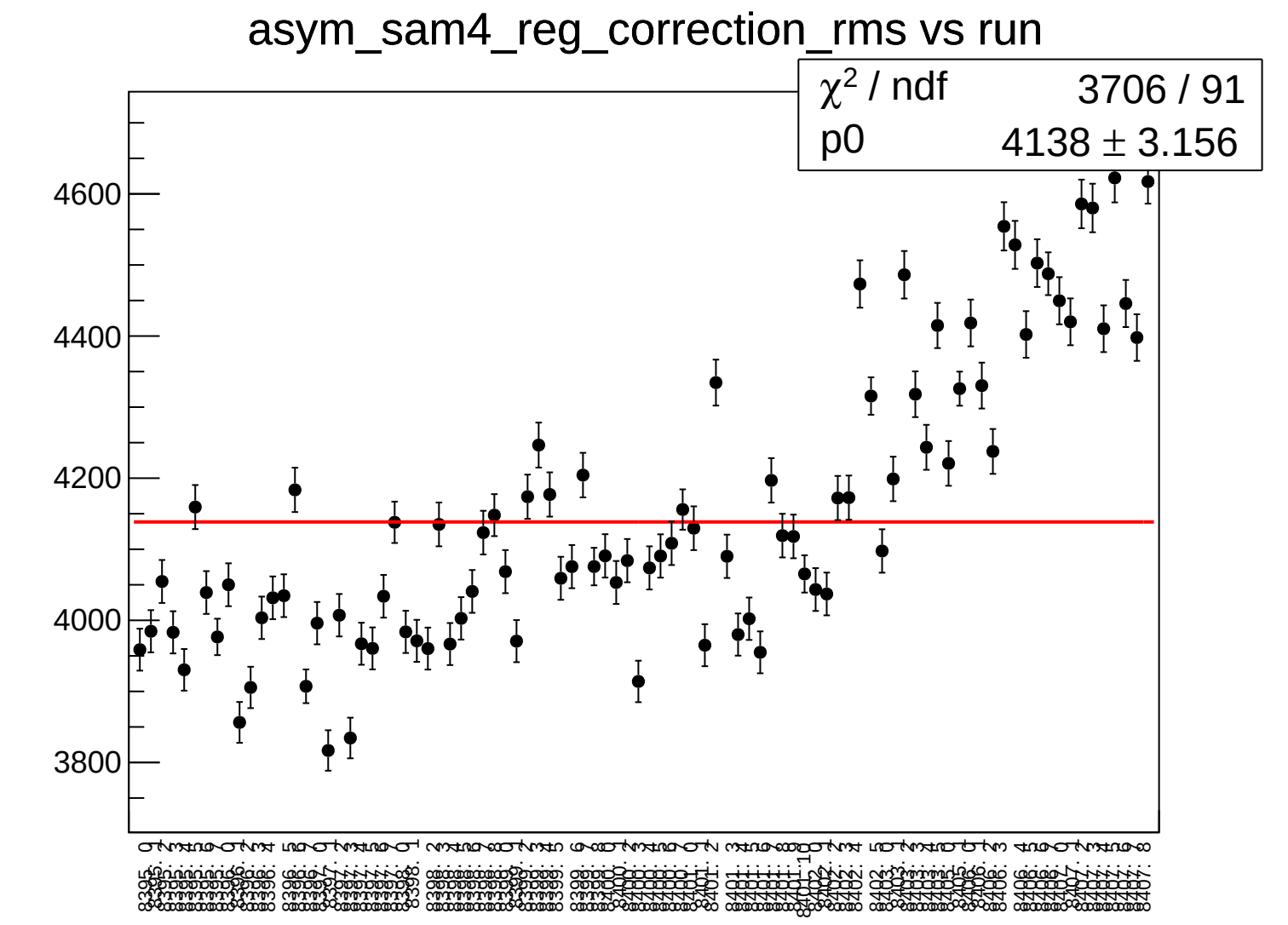

reg_asym_sam4_mean vs run
χ² / ndf 83.55 / 91
p0 −539.1 ± 306.3
pull
Entries 92
Mean −121.3
Std Dev 0

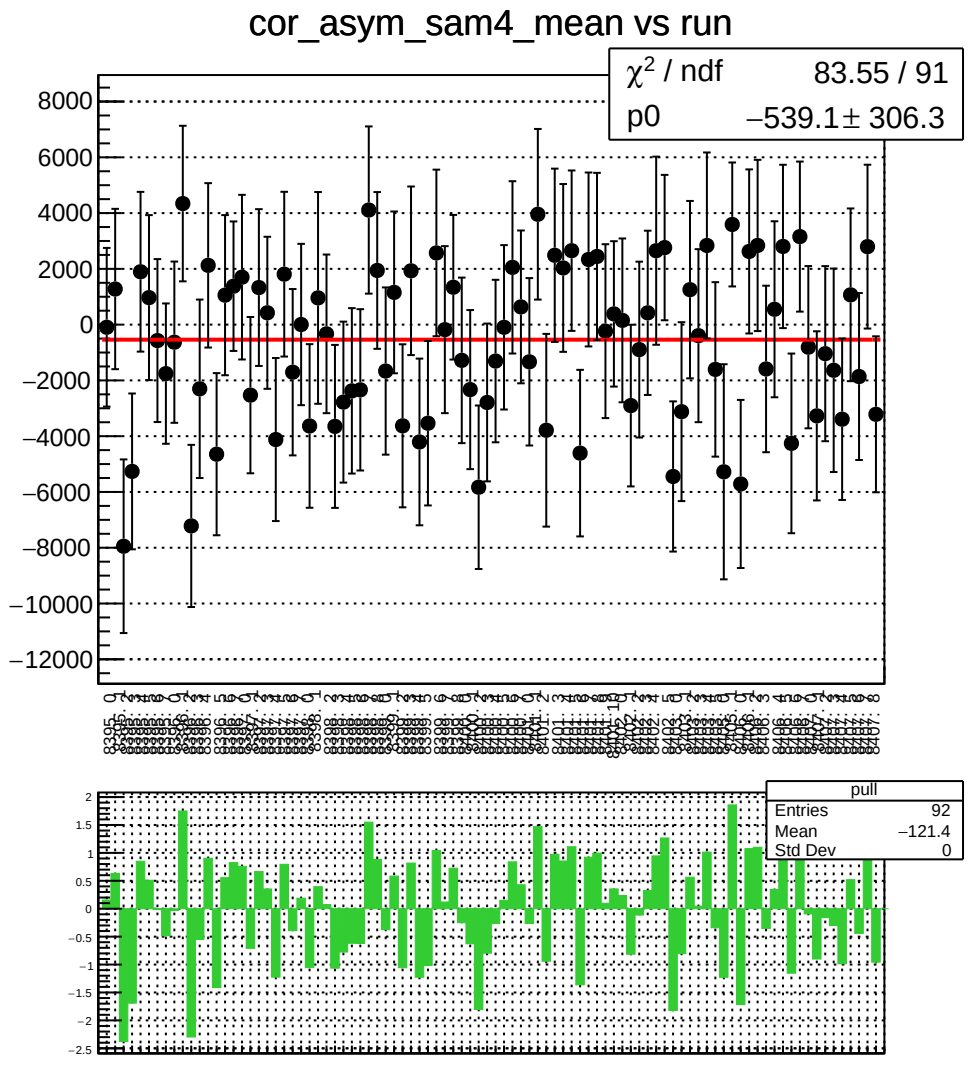

pull1D
Entries 92
Mean −0.01308
Std Dev 0.9529

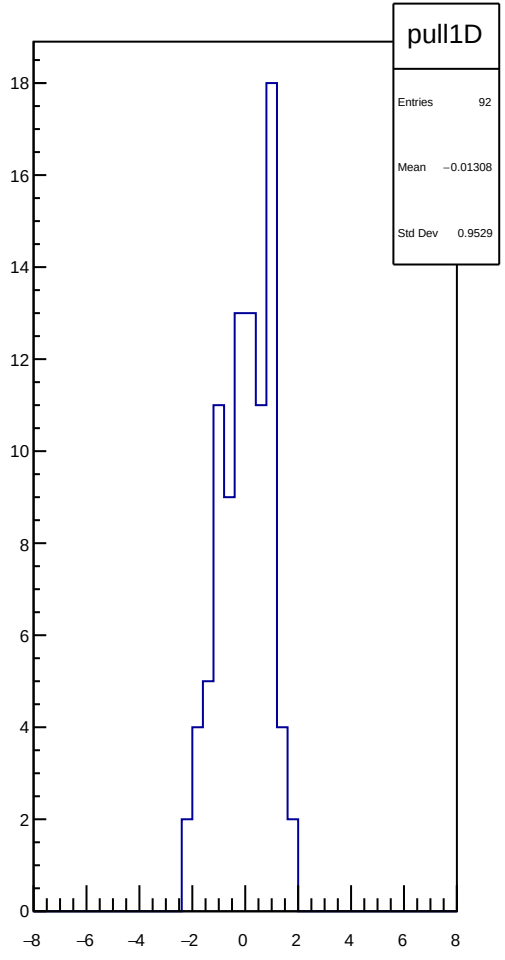

reg_asym_sam4_rms vs run
χ² / ndf 5382 / 91
p0 283.9 ± 0.2166
380
360
340
320
300
280
260

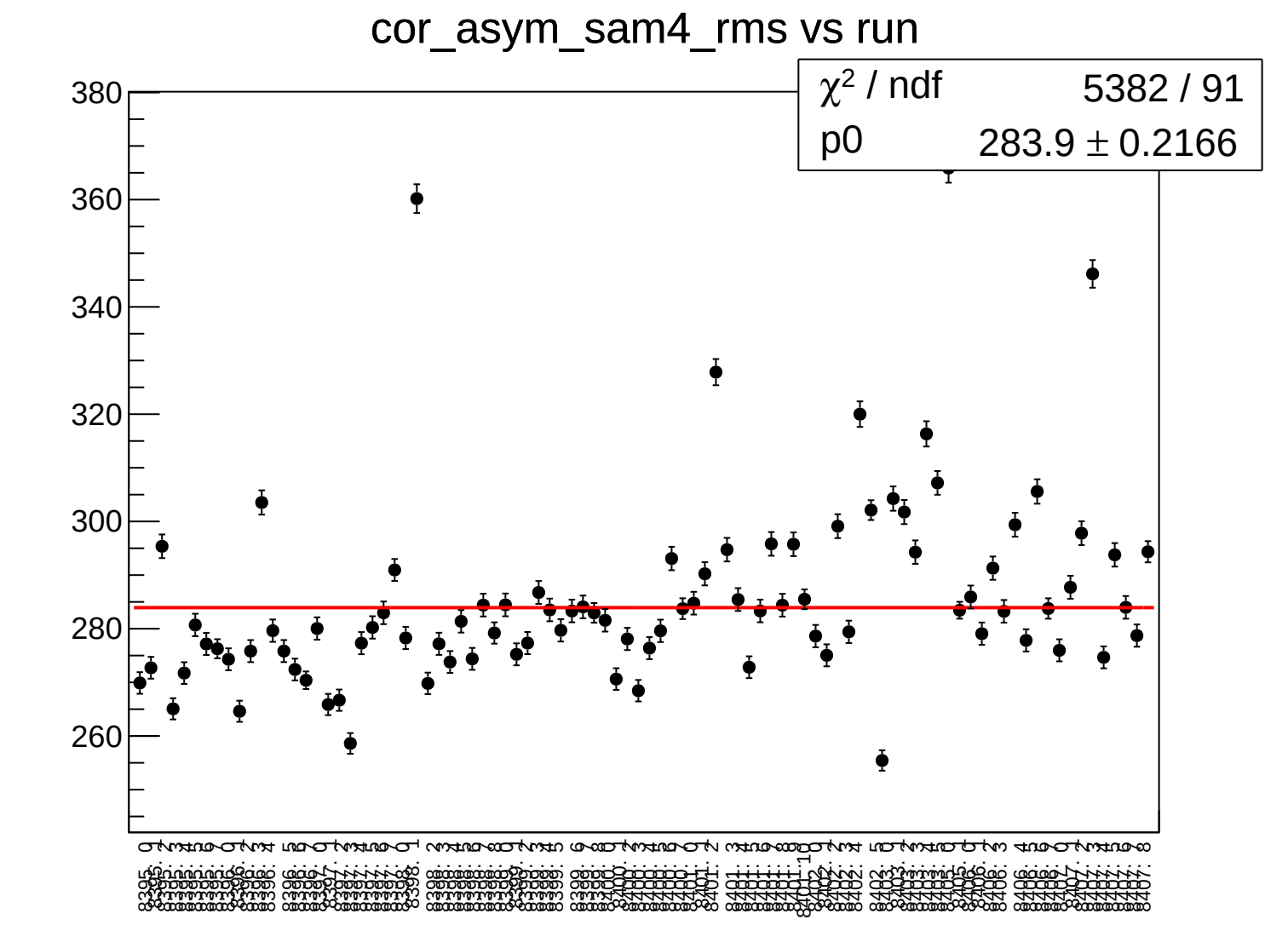

asym_sam4_reg_correction_mean vs run
×10^3
χ^2 / ndf 73.29 / 91
p0 −4661 ± 4463
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 57.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

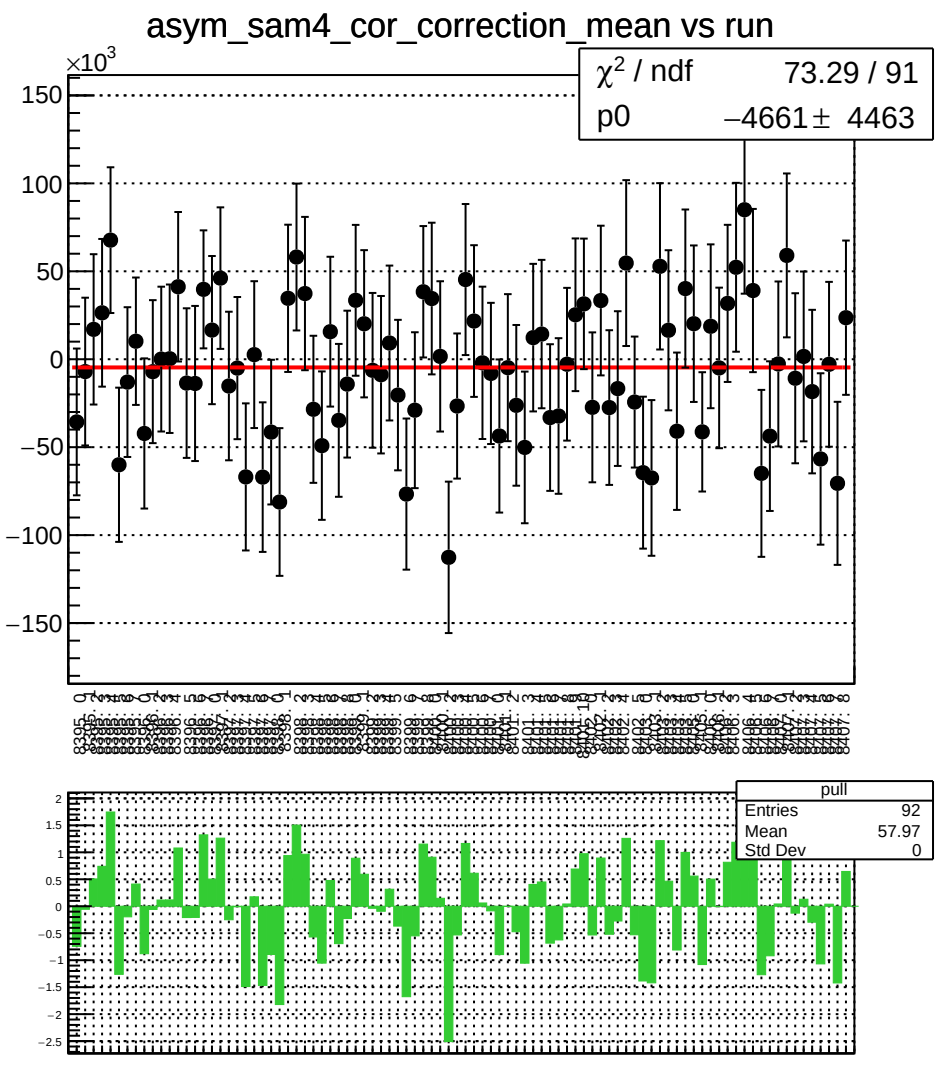

pull1D
Entries 92
Mean −0.001263
Std Dev 0.8925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

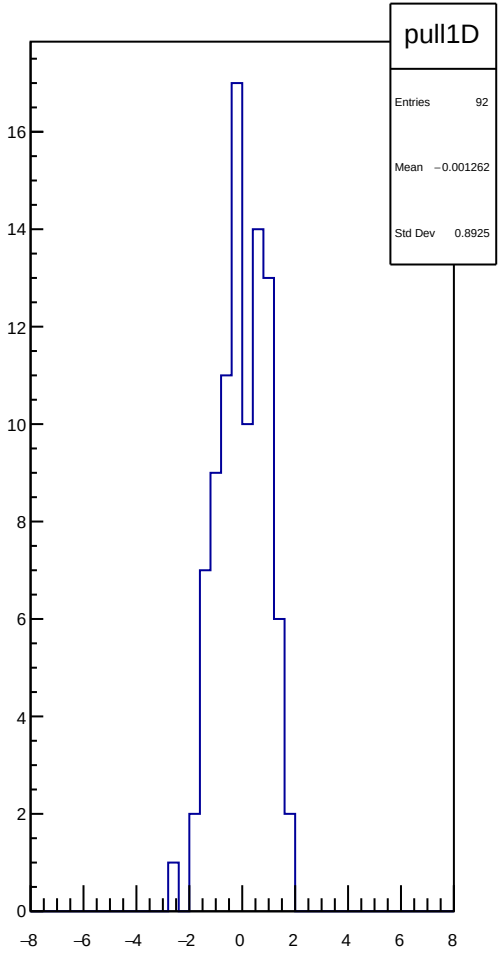

asym_sam4_reg_correction_rms vs run
χ² / ndf 3706 / 91
p0 4138 ± 3.156
4600
4400
4200
4000
3800

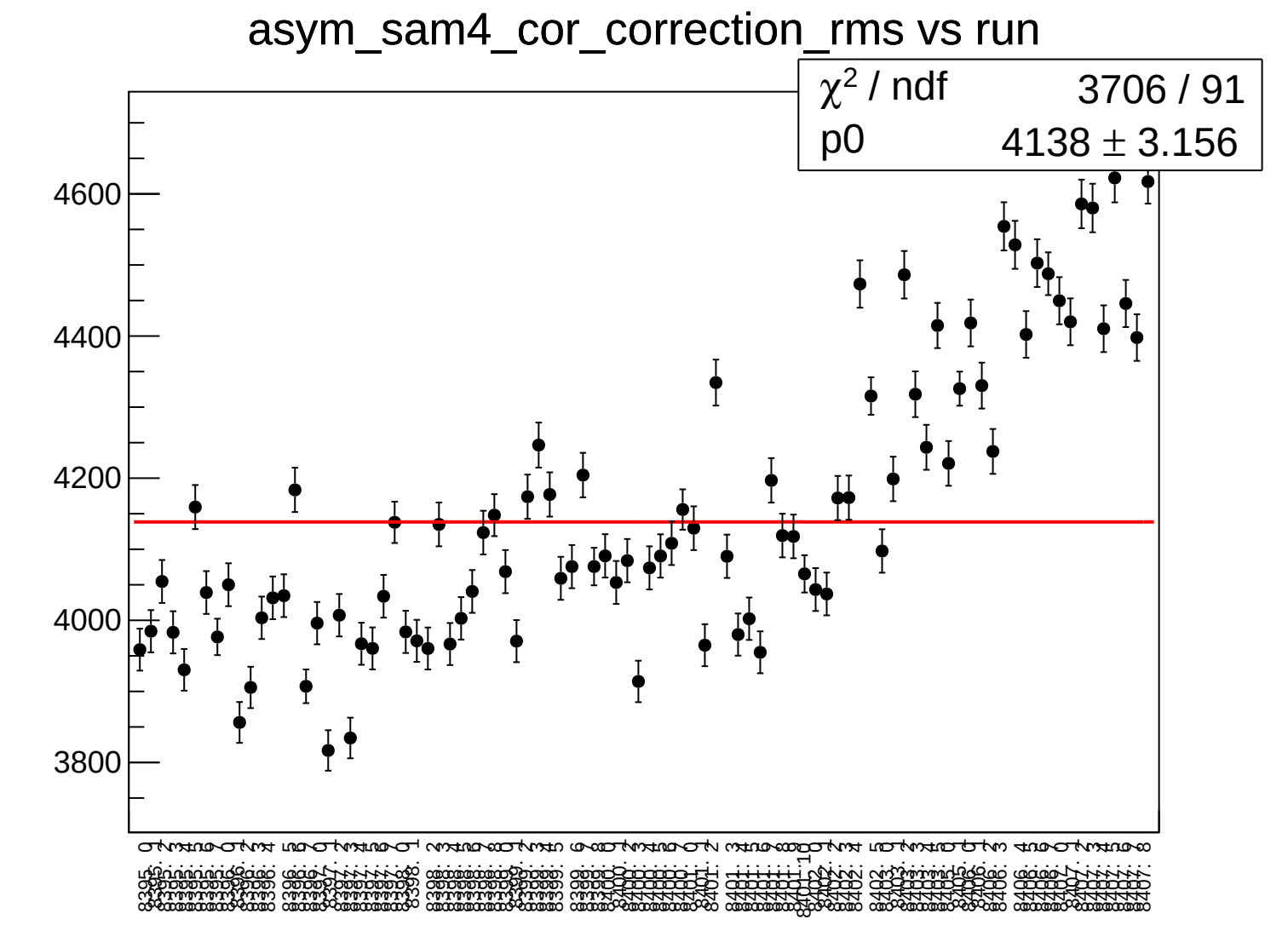

cor_asym_sam4_mean vs run
χ² / ndf 83.55 / 91
p0 −539.1 ± 306.3
pull
Entries 92
Mean −121.4
Std Dev 0

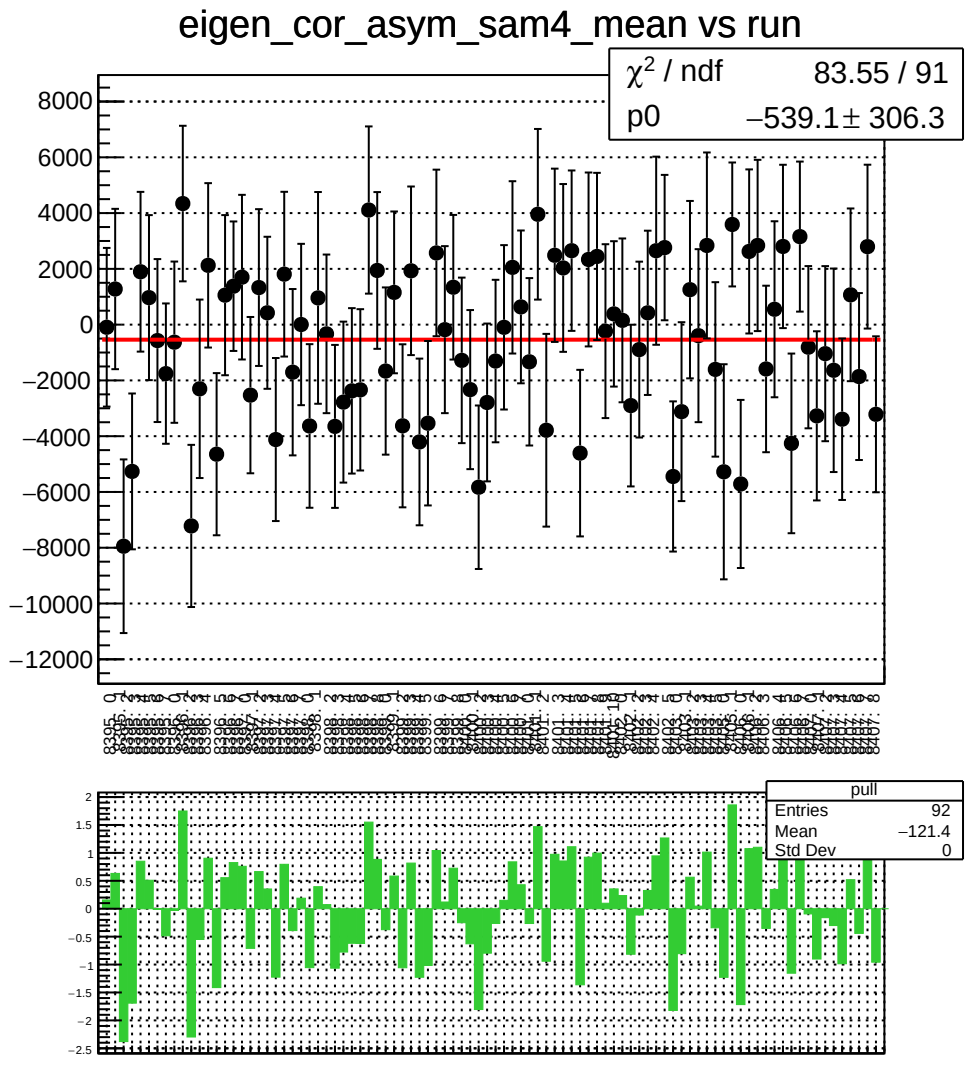

pull1D
Entries 92
Mean −0.01308
Std Dev 0.9529

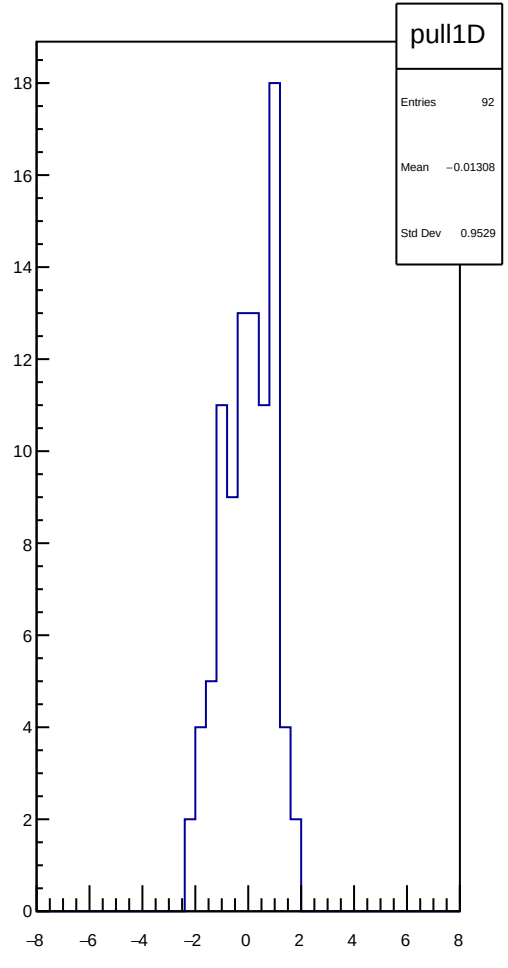

cor_asym_sam4_rms vs run
χ² / ndf 5382 / 91
p0 283.9 ± 0.2166
380
360
340
320
300
280
260

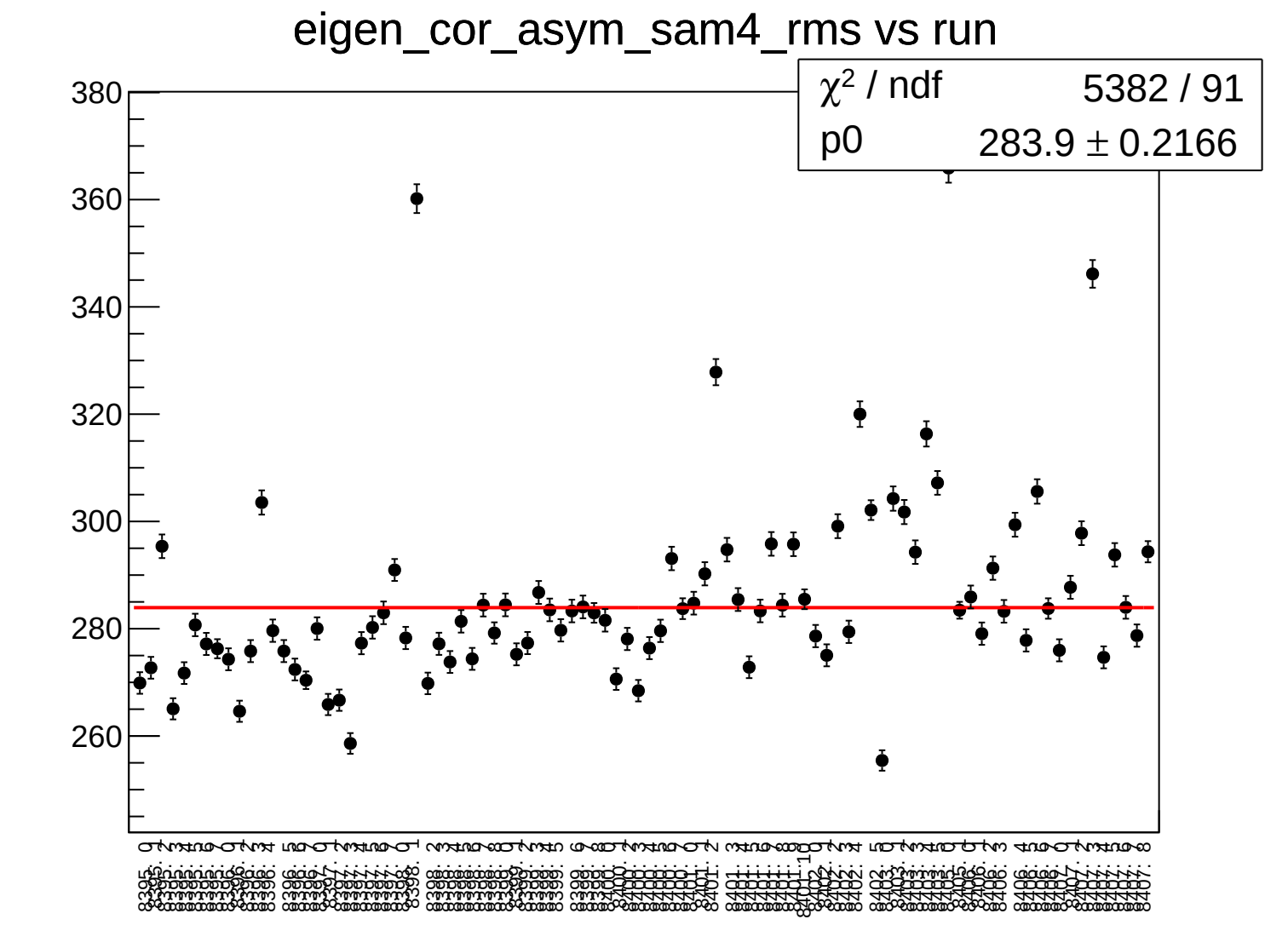

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 73.29 / 91
p0 −4661 ± 4463
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 57.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

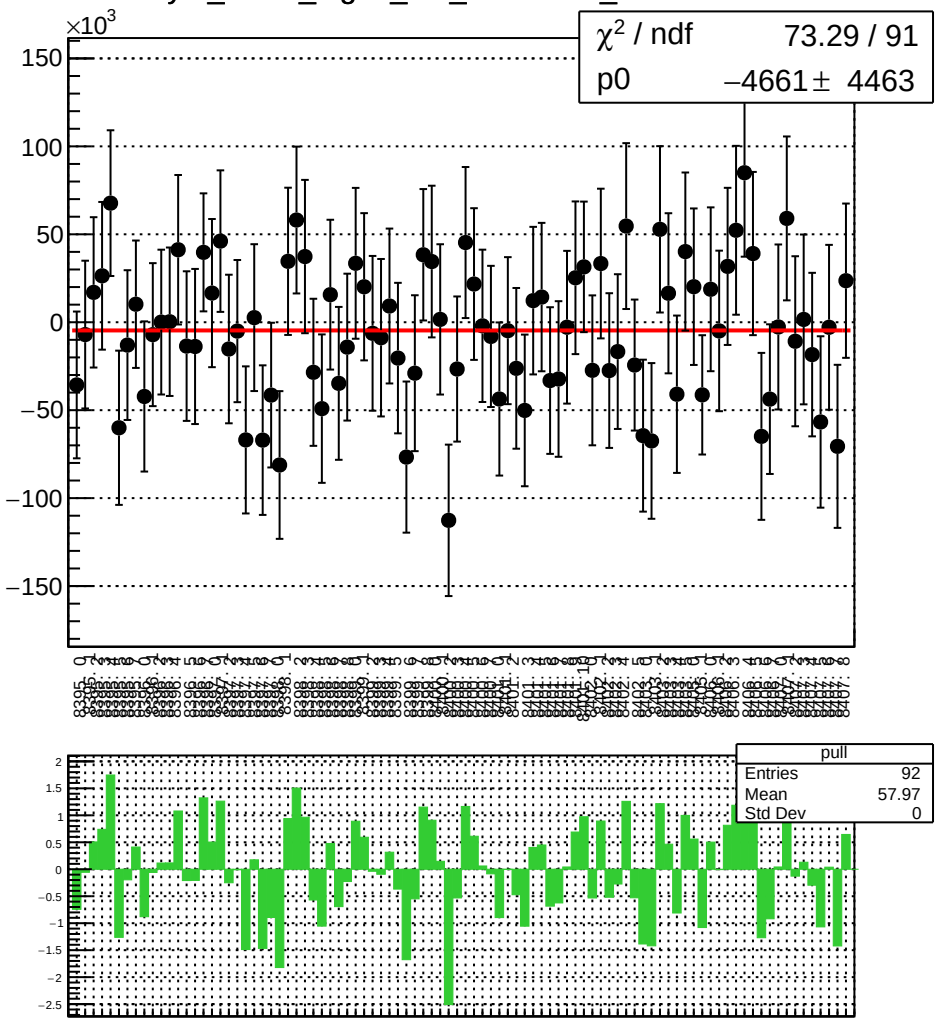

pull1D
Entries 92
Mean −0.001262
Std Dev 0.8925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

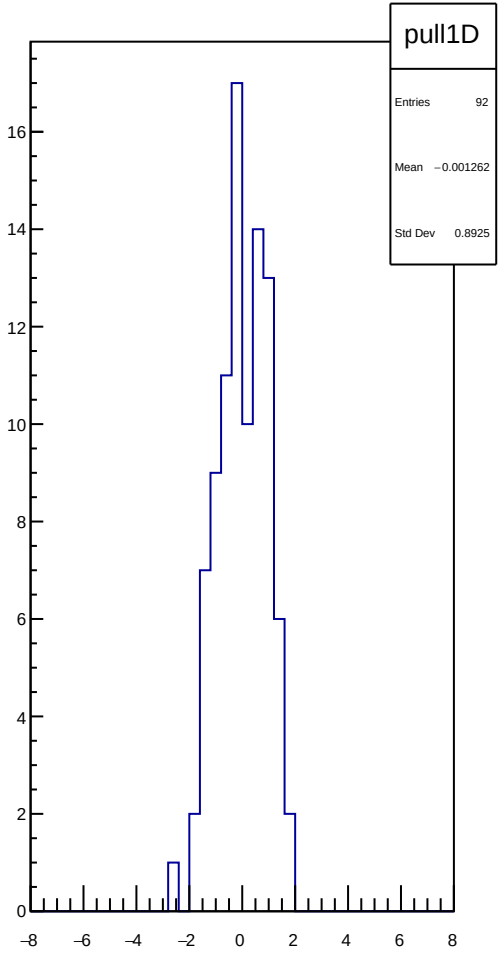

asym_sam4_cor_correction_rms vs run
χ² / ndf 3706 / 91
p0 4138 ± 3.156
4600
4400
4200
4000
3800

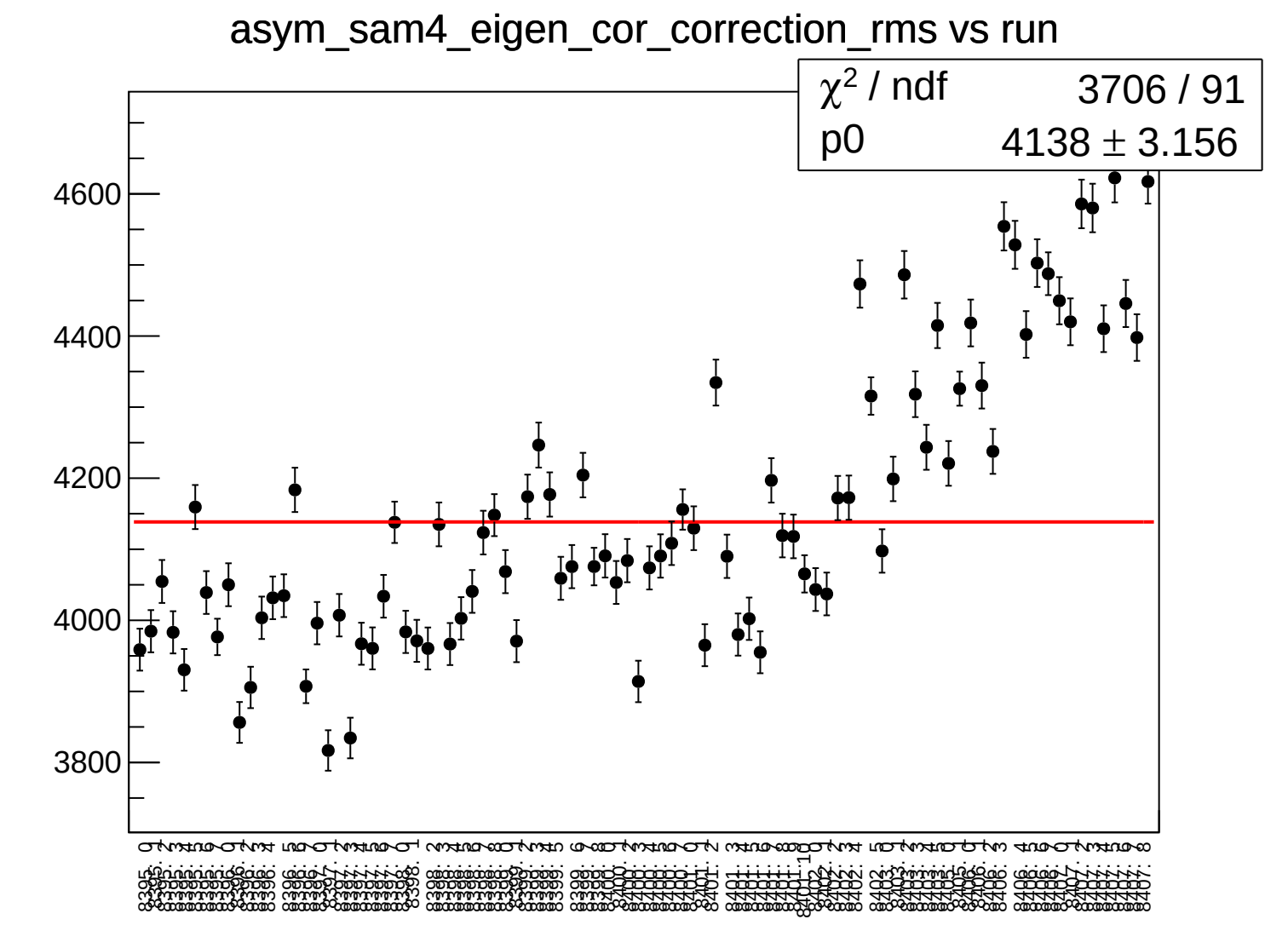

eigen_cor_asym_sam4_mean vs run
χ² / ndf 83.55 / 91
p0 −539.1 ± 306.3
pull
Entries 92
Mean −121.4
Std Dev 0

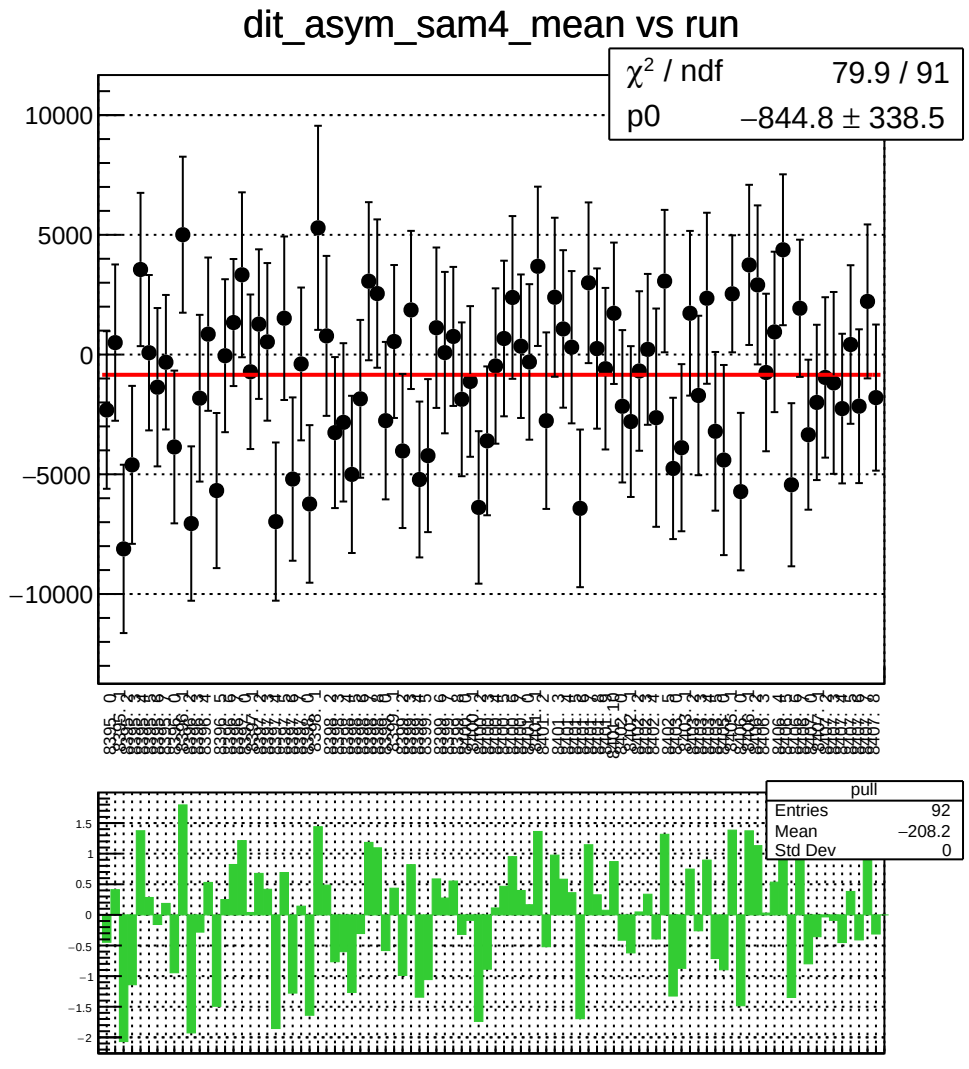

pull1D
Entries 92
Mean −0.01308
Std Dev 0.9529

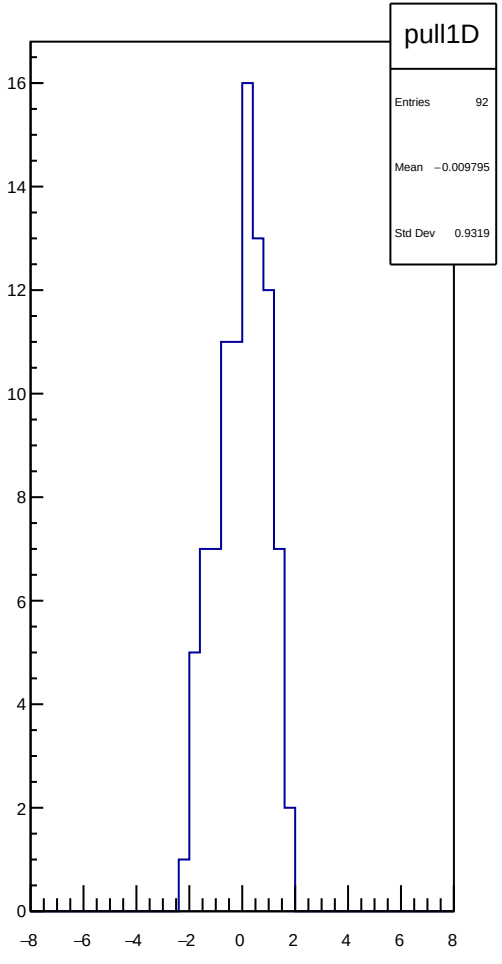

eigen_cor_asym_sam4_rms vs run
χ² / ndf 5382 / 91
p0 283.9 ± 0.2166
380
360
340
320
300
280
260

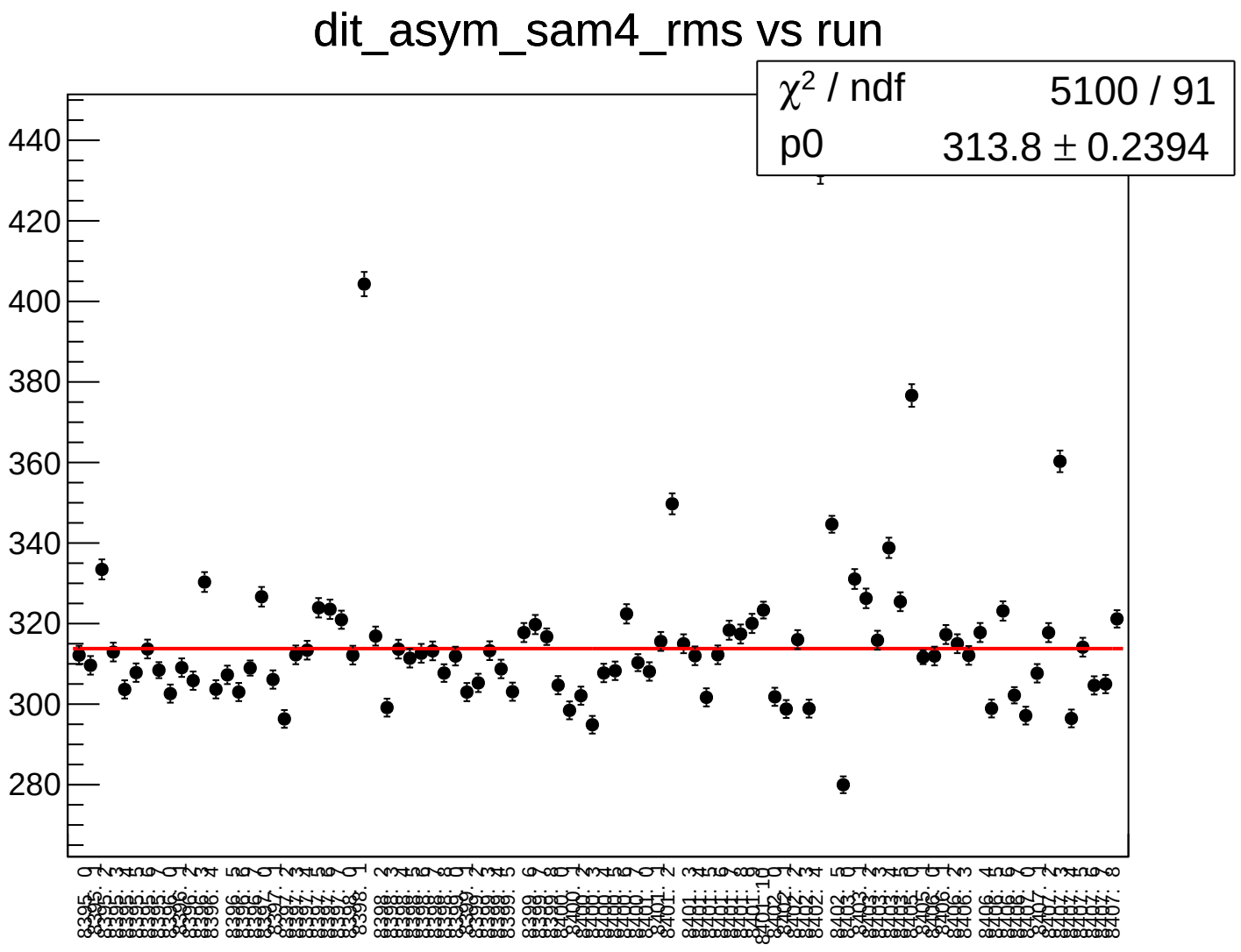

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 73.29 / 91
p0 −4661 ± 4463
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 57.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

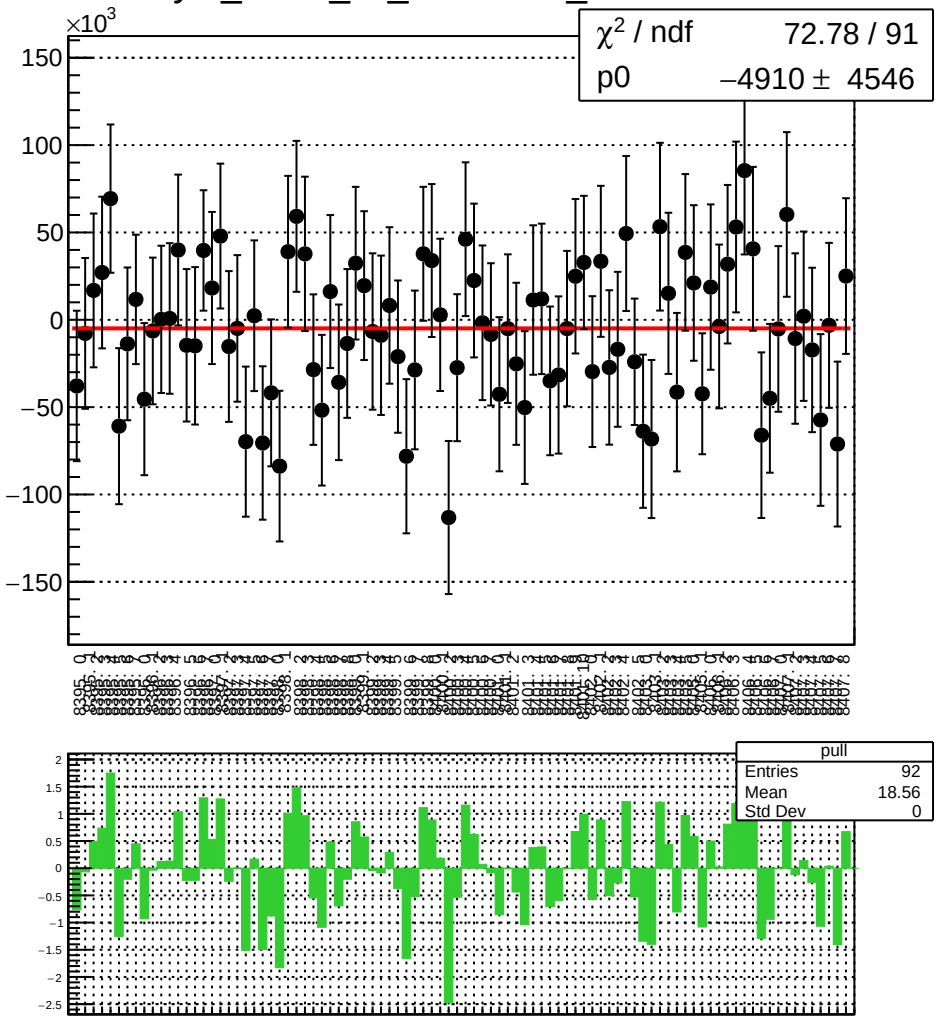

pull1D
Entries 92
Mean −0.001262
Std Dev 0.8925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

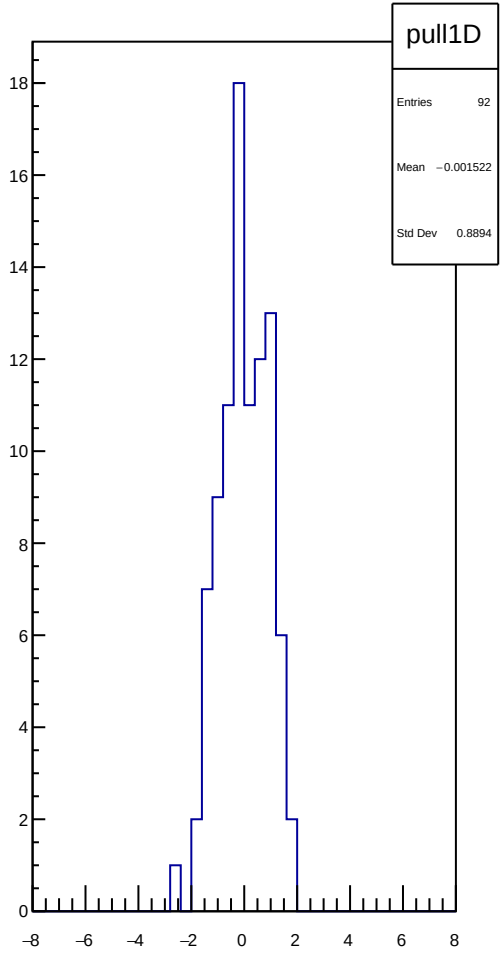

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 3706 / 91
p0 4138 ± 3.156
4600
4400
4200
4000
3800

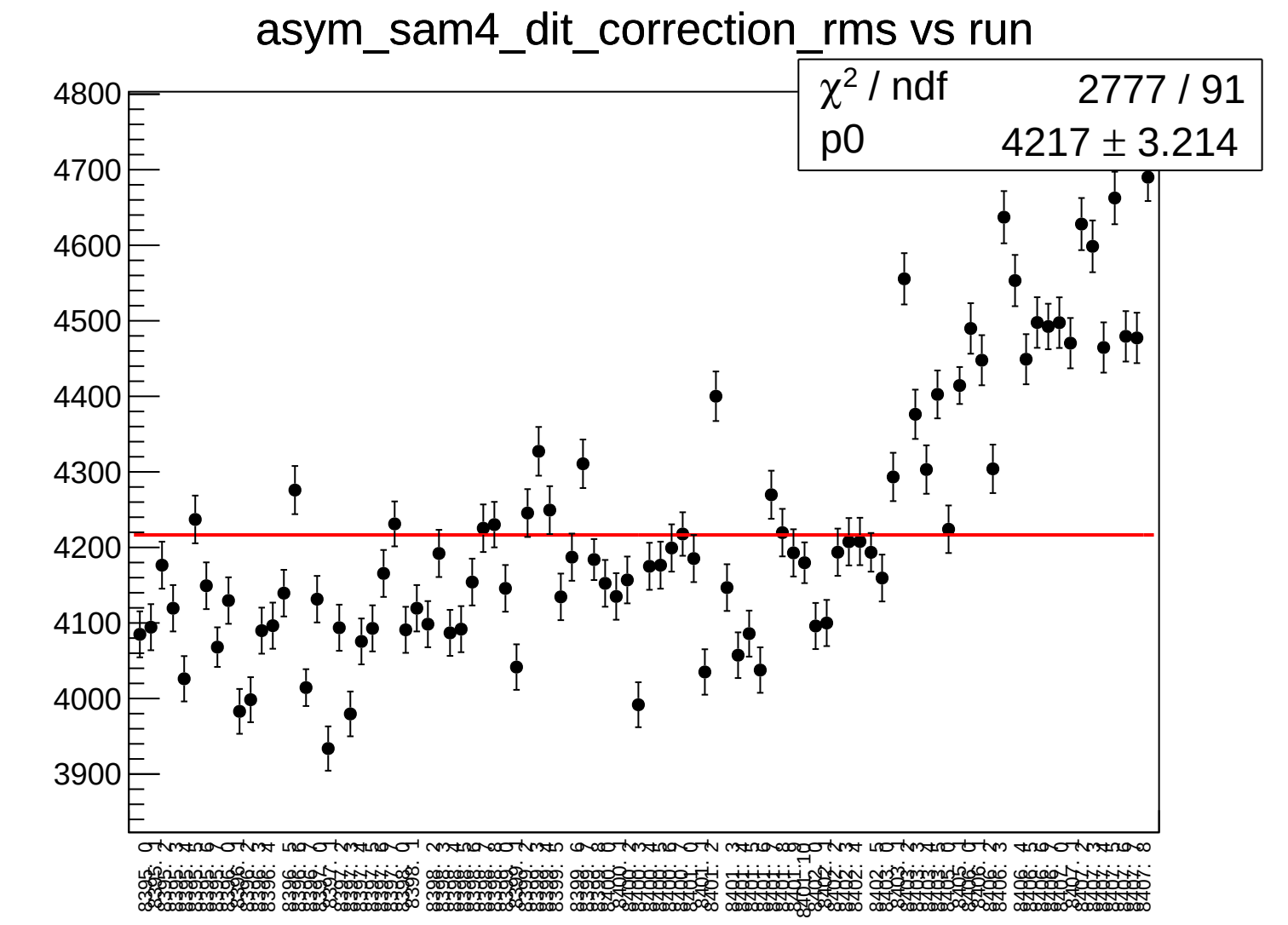

dit_asym_sam4_mean vs run
χ² / ndf 79.9 / 91
p0 −844.8 ± 338.5
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −208.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

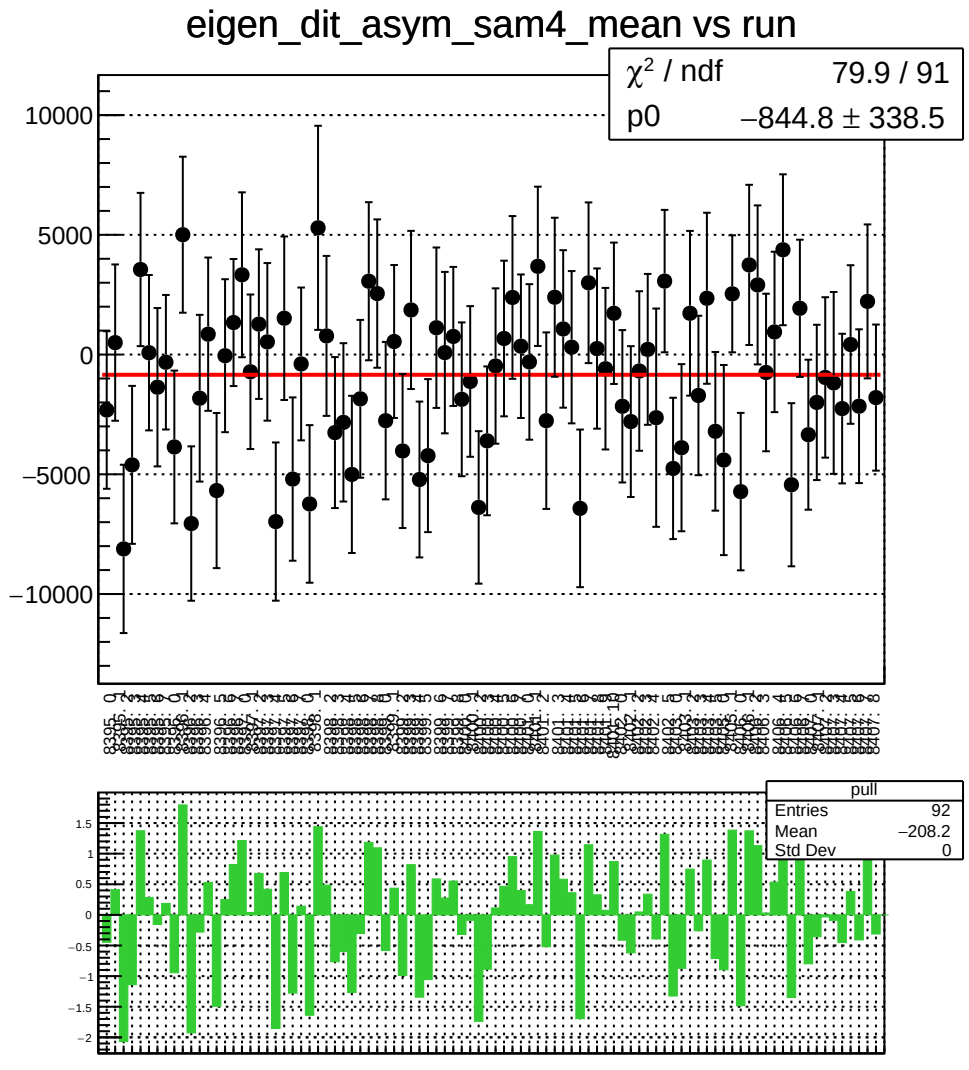

pull1D
Entries 92
Mean −0.009795
Std Dev 0.9319
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

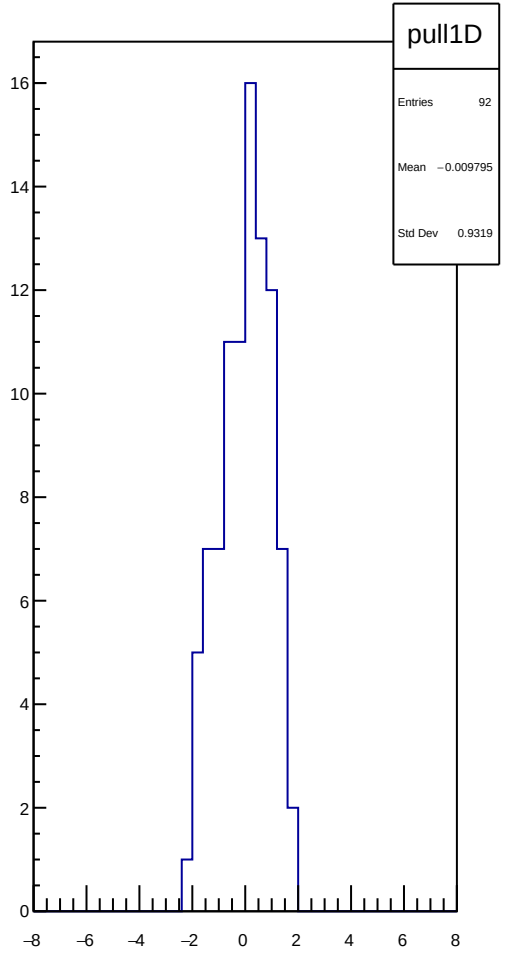

dit_asym_sam4_rms vs run
$\chi^2$ / ndf 5100 / 91
p0 313.8 ± 0.2394
440
420
400
380
360
340
320
300
280

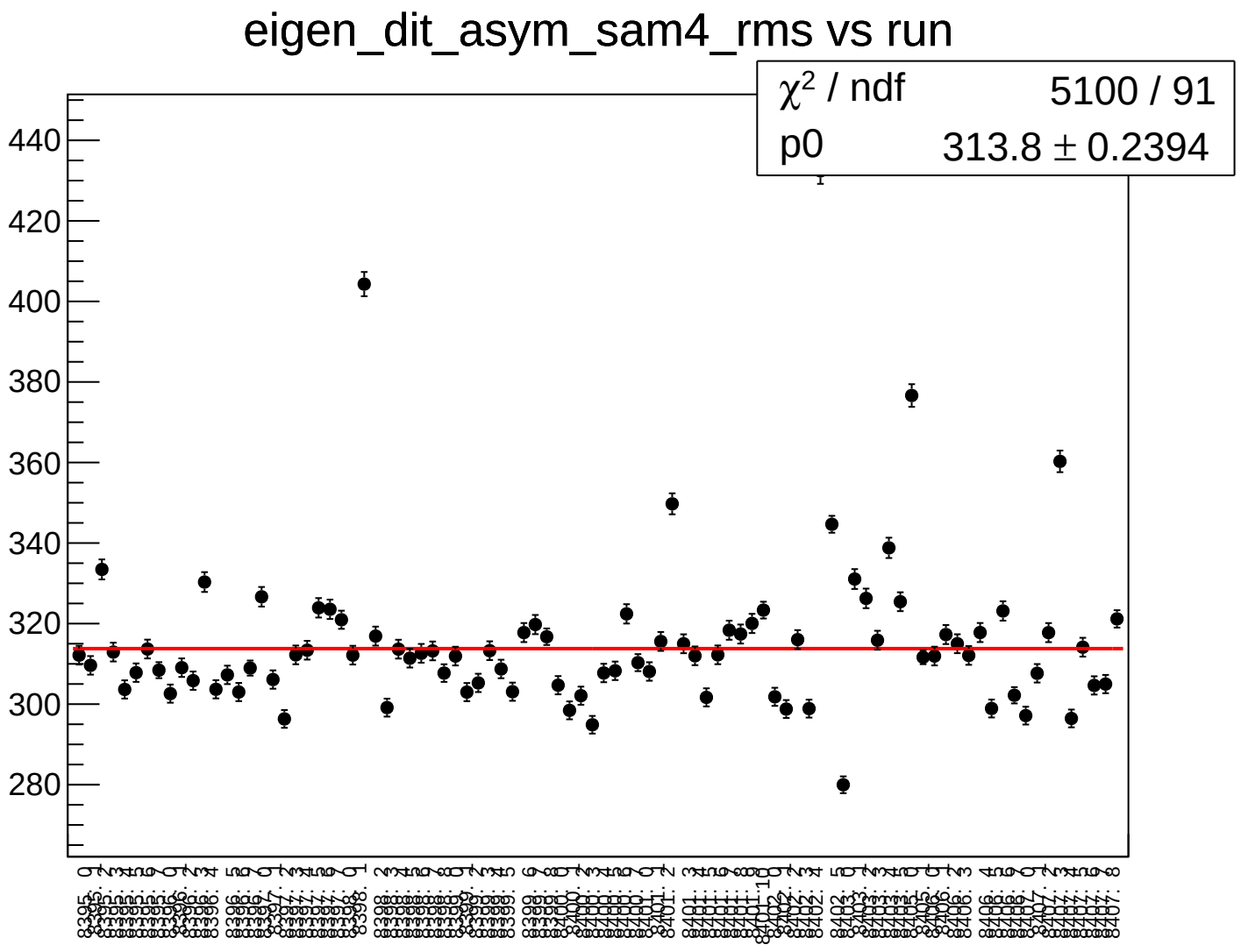

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 72.78 / 91
p0 −4910 ± 4546
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 18.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

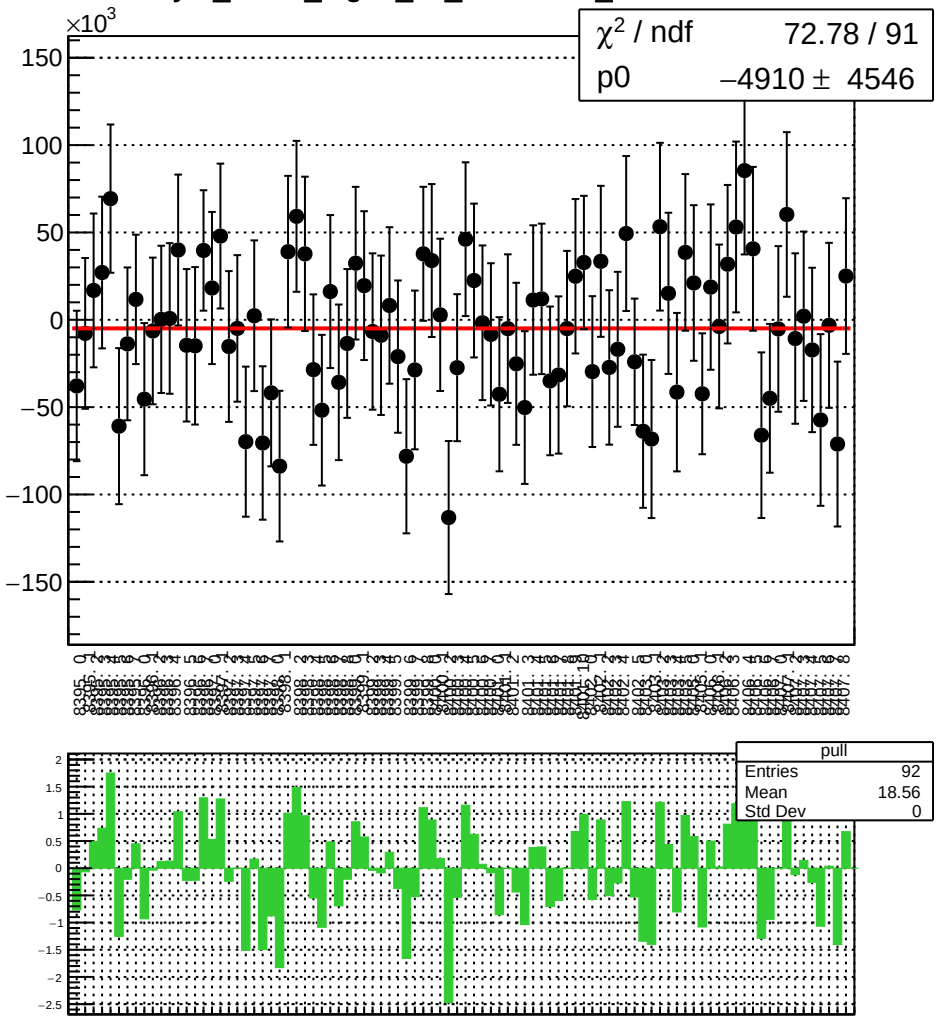

pull1D
Entries 92
Mean −0.001522
Std Dev 0.8894
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

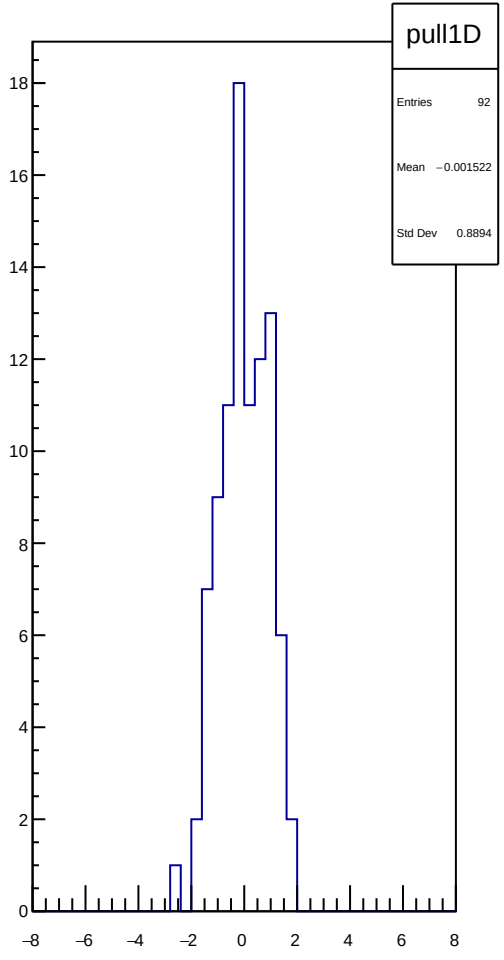

asym_sam4_dit_correction_rms vs run
χ² / ndf 2777 / 91
p0 4217 ± 3.214
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900

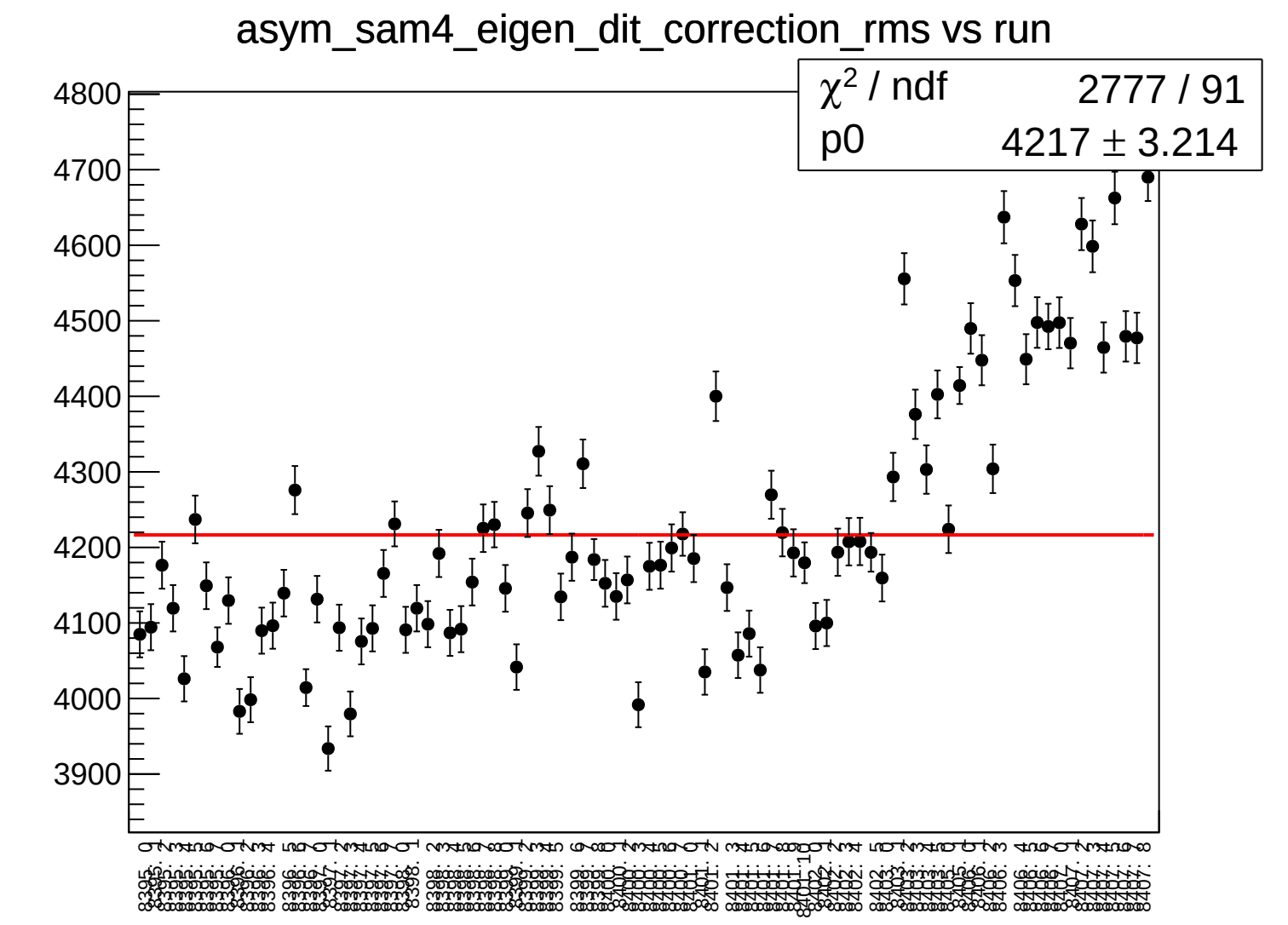

eigen_dit_asym_sam4_mean vs run
χ² / ndf 79.9 / 91
p0 −844.8 ± 338.5
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −208.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

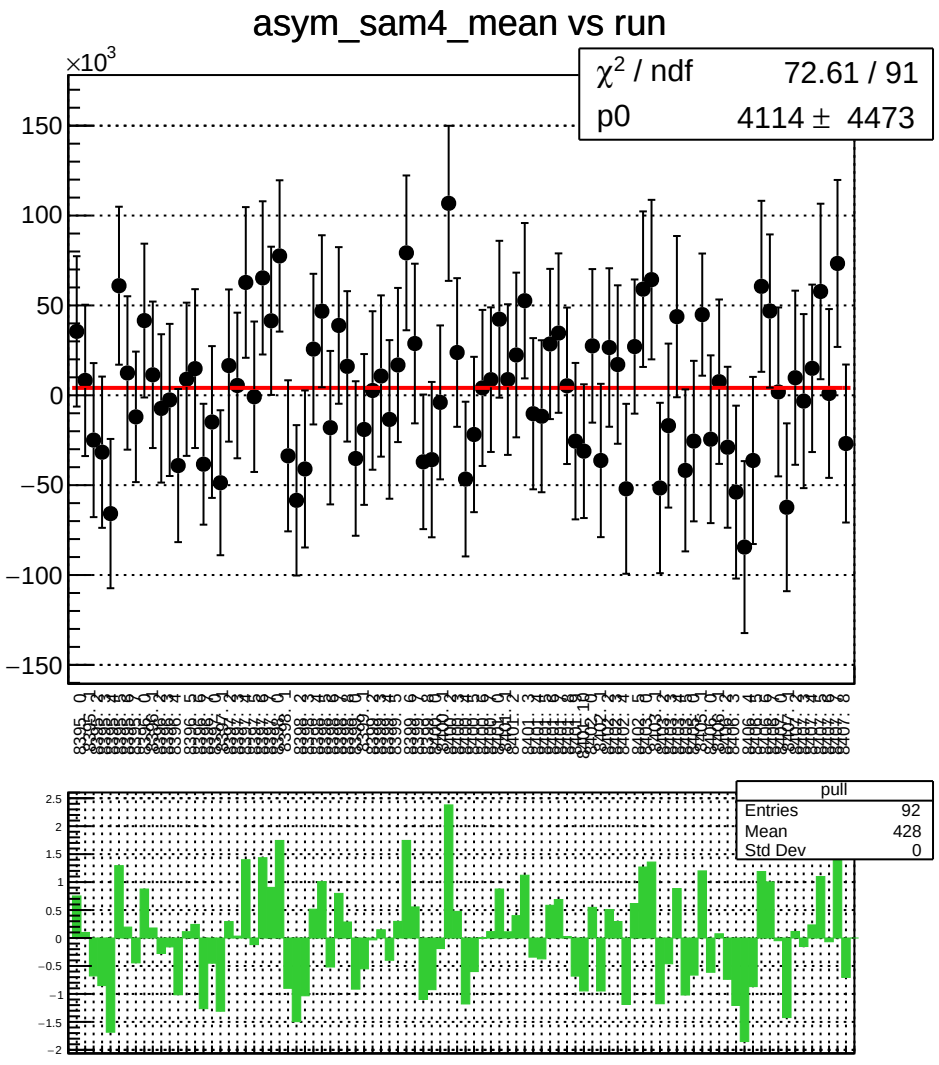

pull1D
Entries 92
Mean −0.009795
Std Dev 0.9319
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

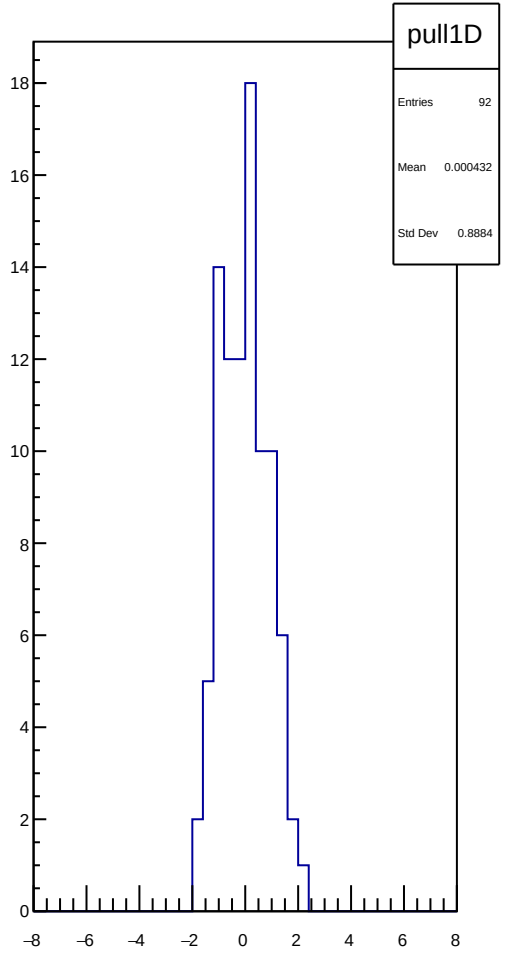

eigen_dit_asym_sam4_rms vs run
$\chi^2$ / ndf 5100 / 91
p0 313.8 ± 0.2394
440
420
400
380
360
340
320
300
280

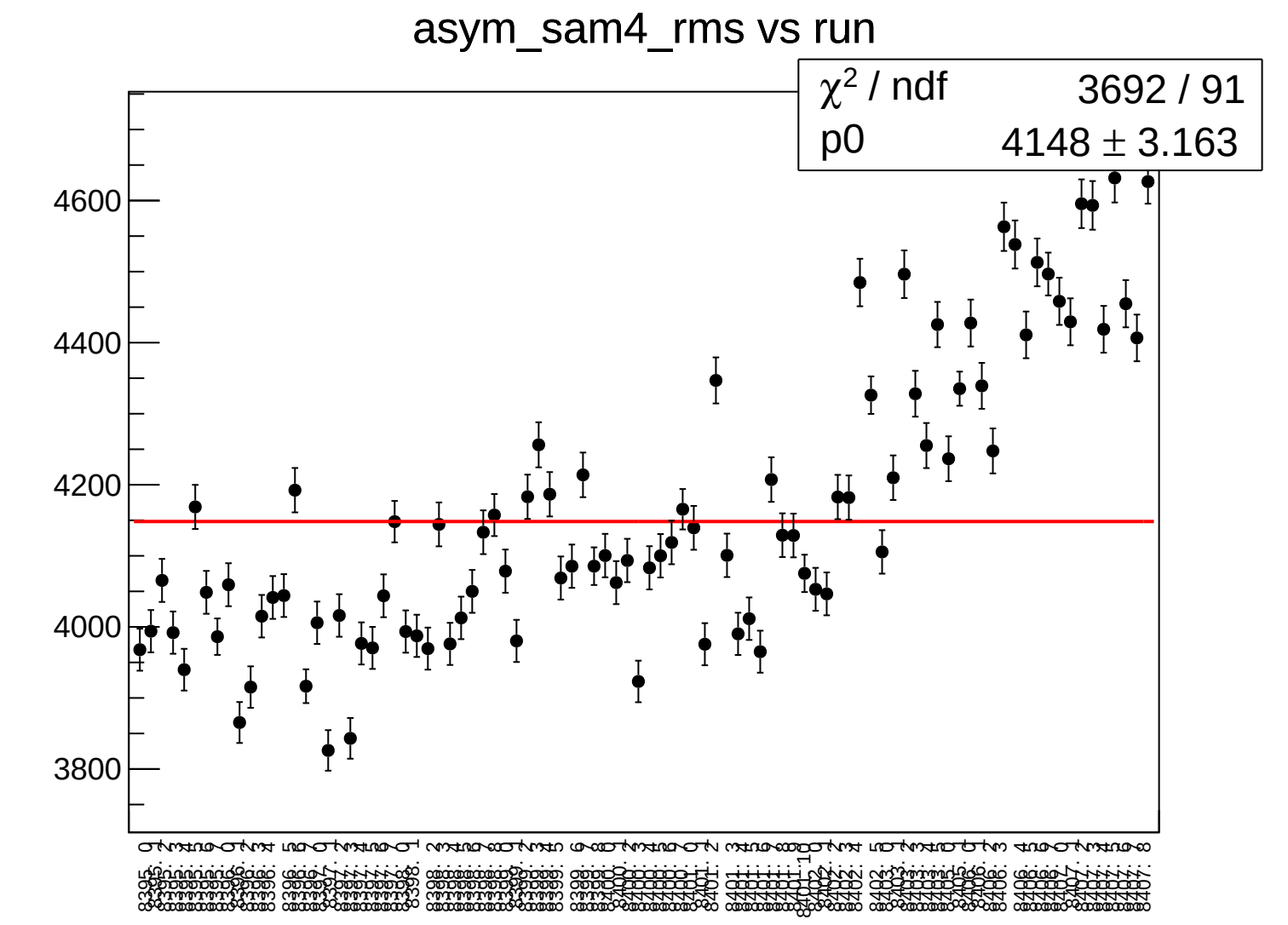

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 72.78 / 91
p0 −4910 ± 4546
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 18.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

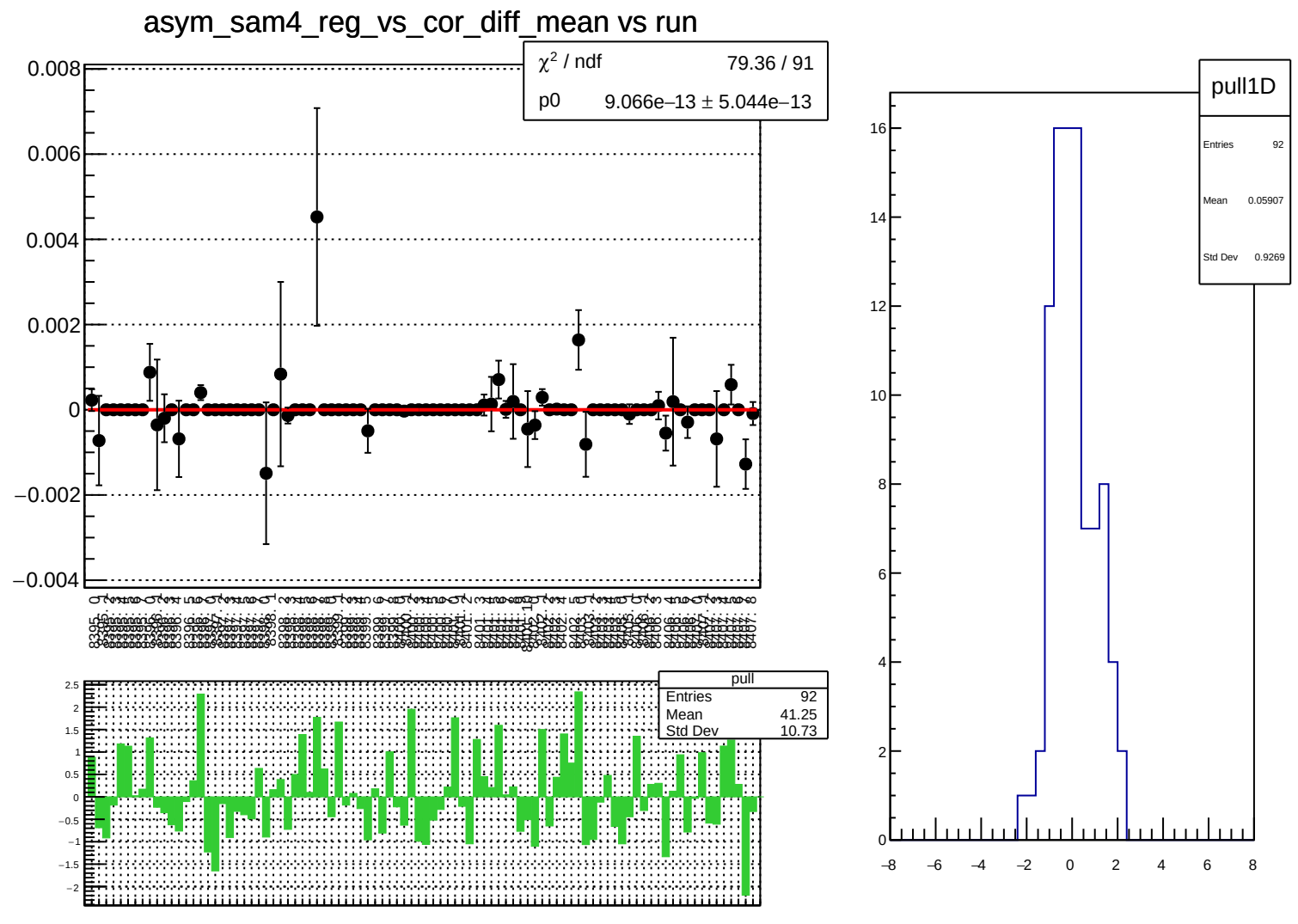

pull1D
Entries 92
Mean −0.001522
Std Dev 0.8894
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

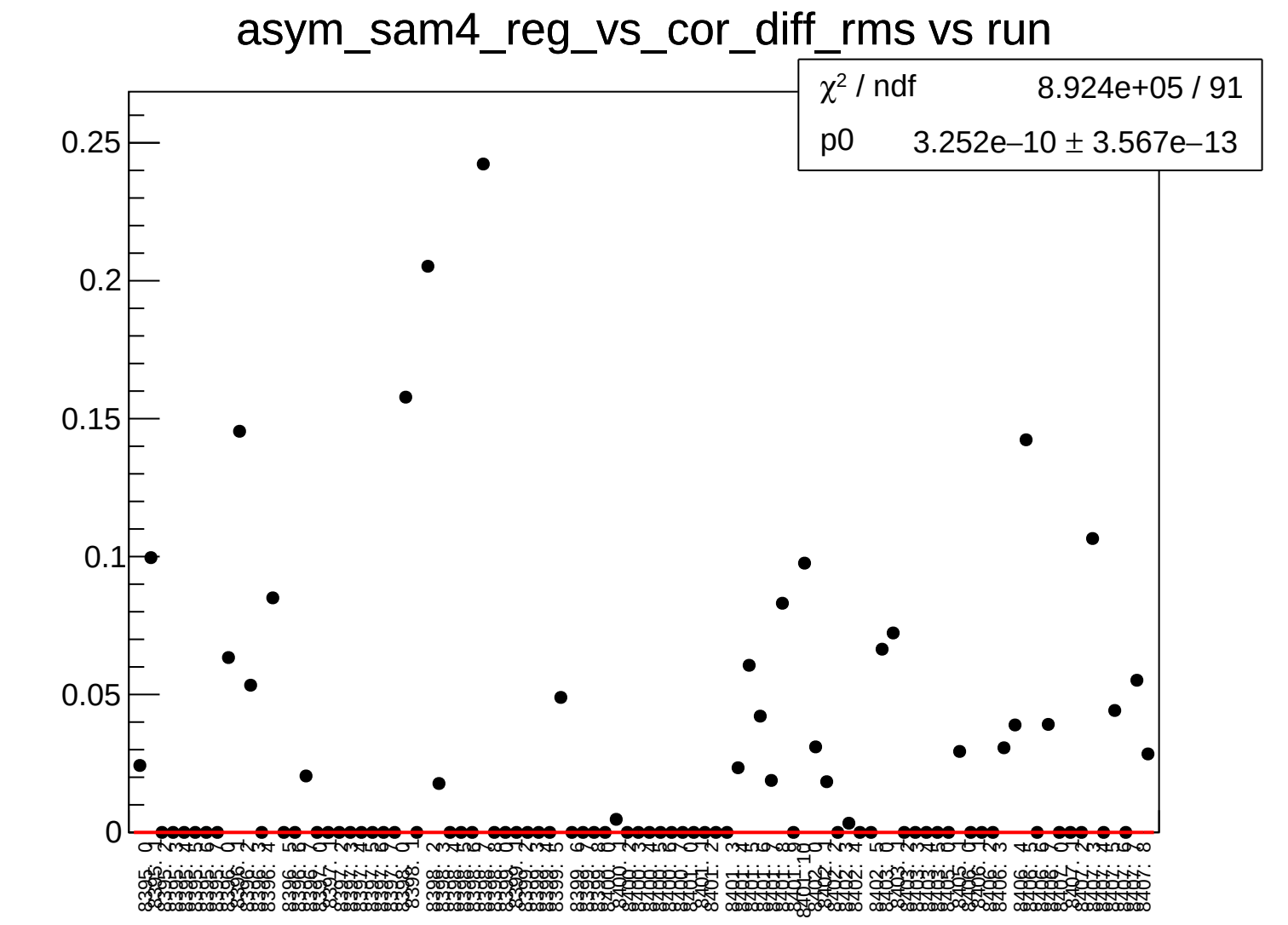

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 2777 / 91
p0 4217 ± 3.214
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900

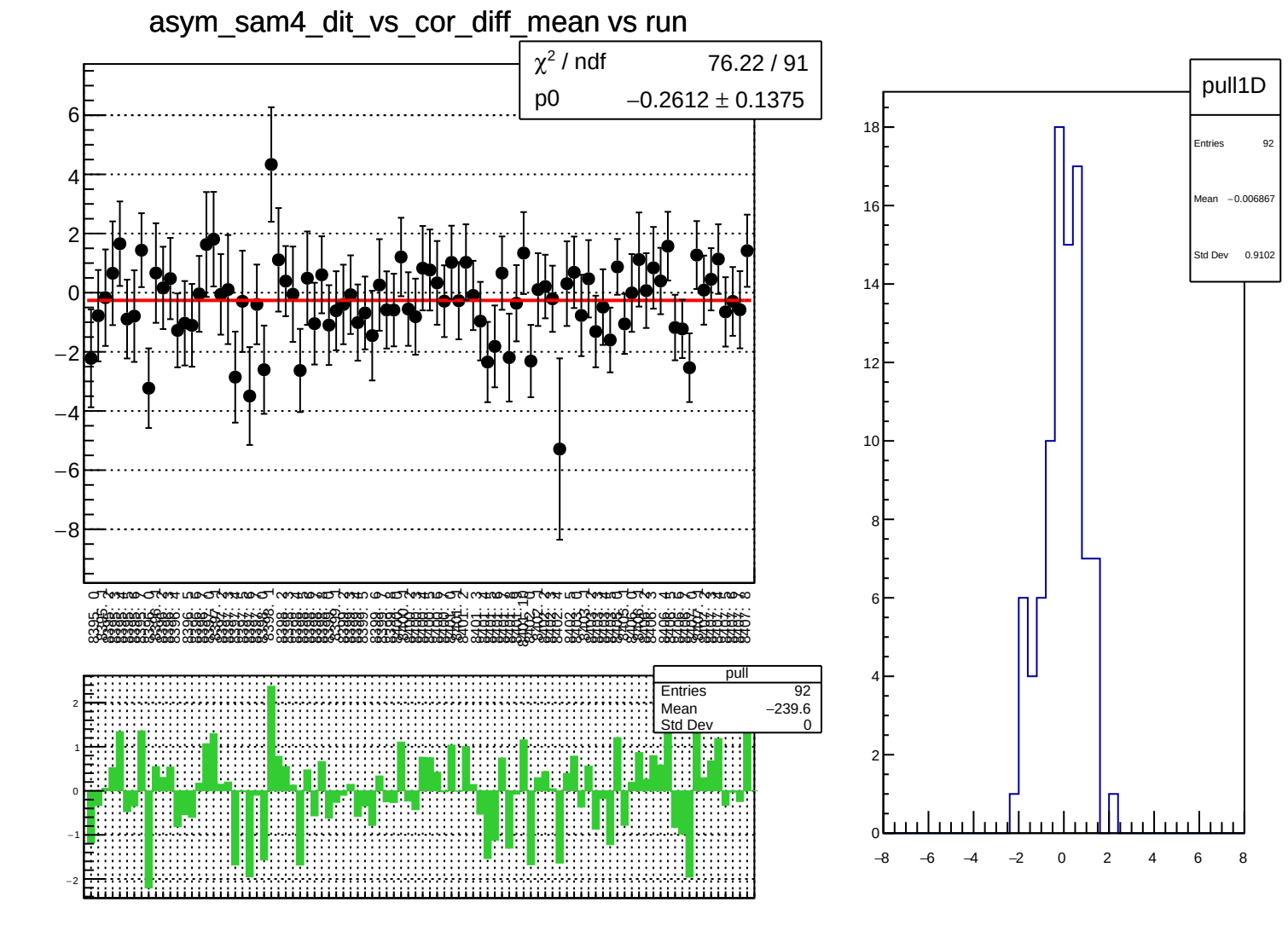

asym_sam4_mean vs run
×10^3
χ^2 / ndf 72.61 / 91
p0 4114 ± 4473
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 428
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

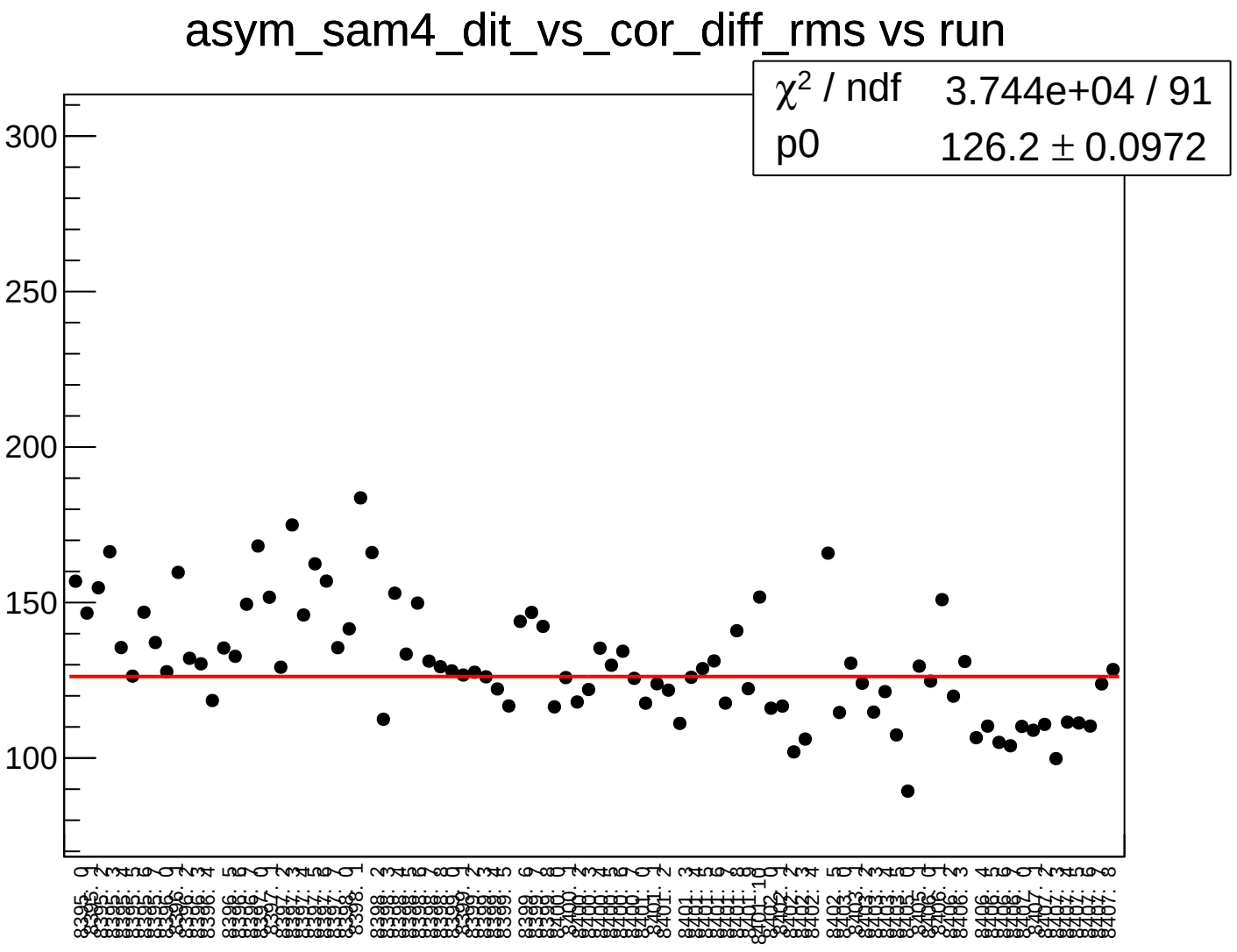

pull1D
Entries 92
Mean 0.000432
Std Dev 0.8884
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

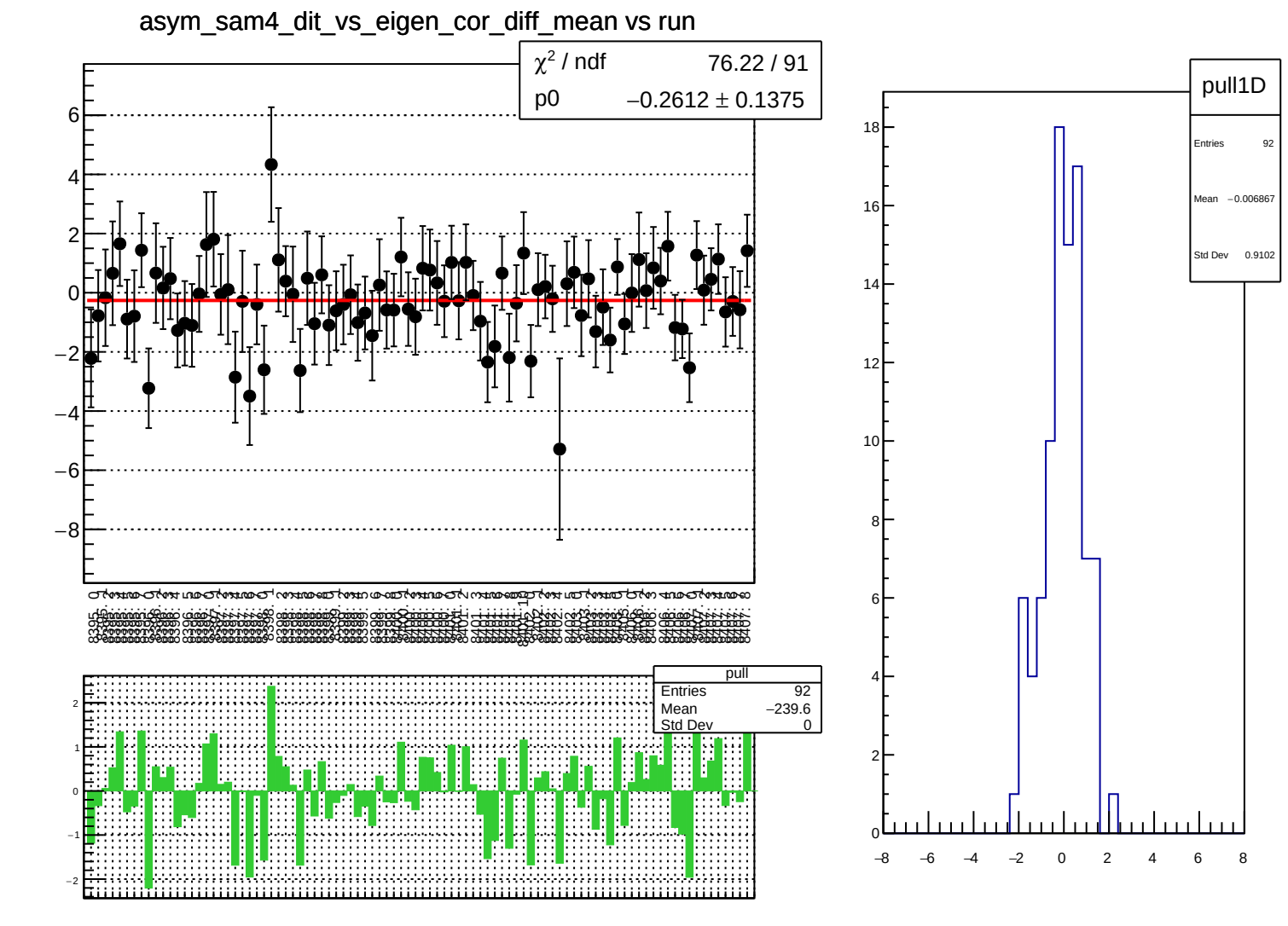

asym_sam4_rms vs run
χ² / ndf 3692 / 91
p0 4148 ± 3.163
4600
4400
4200
4000
3800

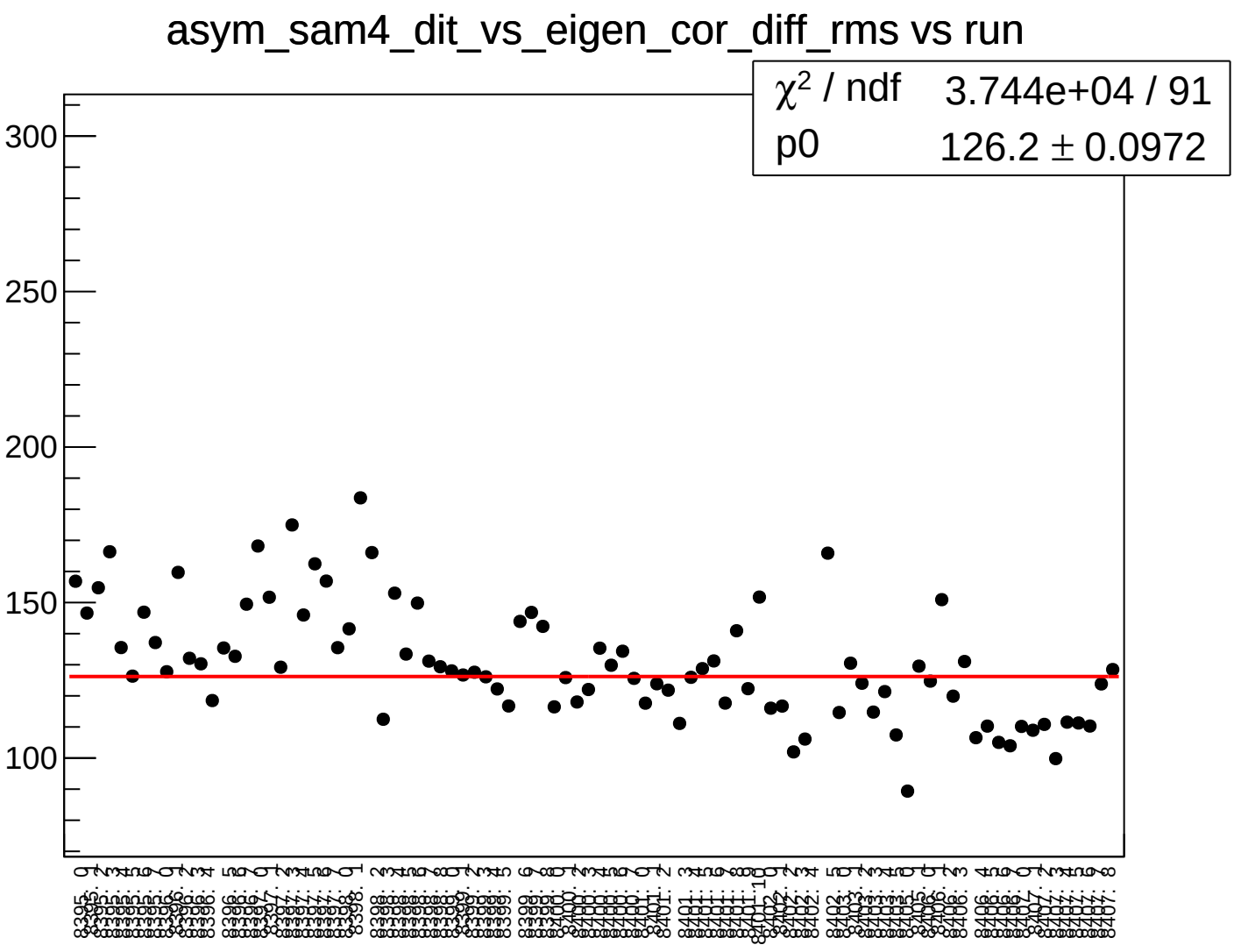

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 79.36 / 91
p0 9.066e−13 ± 5.044e−13
0.008
0.006
0.004
0.002
0
−0.002
−0.004
pull
Entries 92
Mean 41.25
Std Dev 10.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.05907
Std Dev 0.9269
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

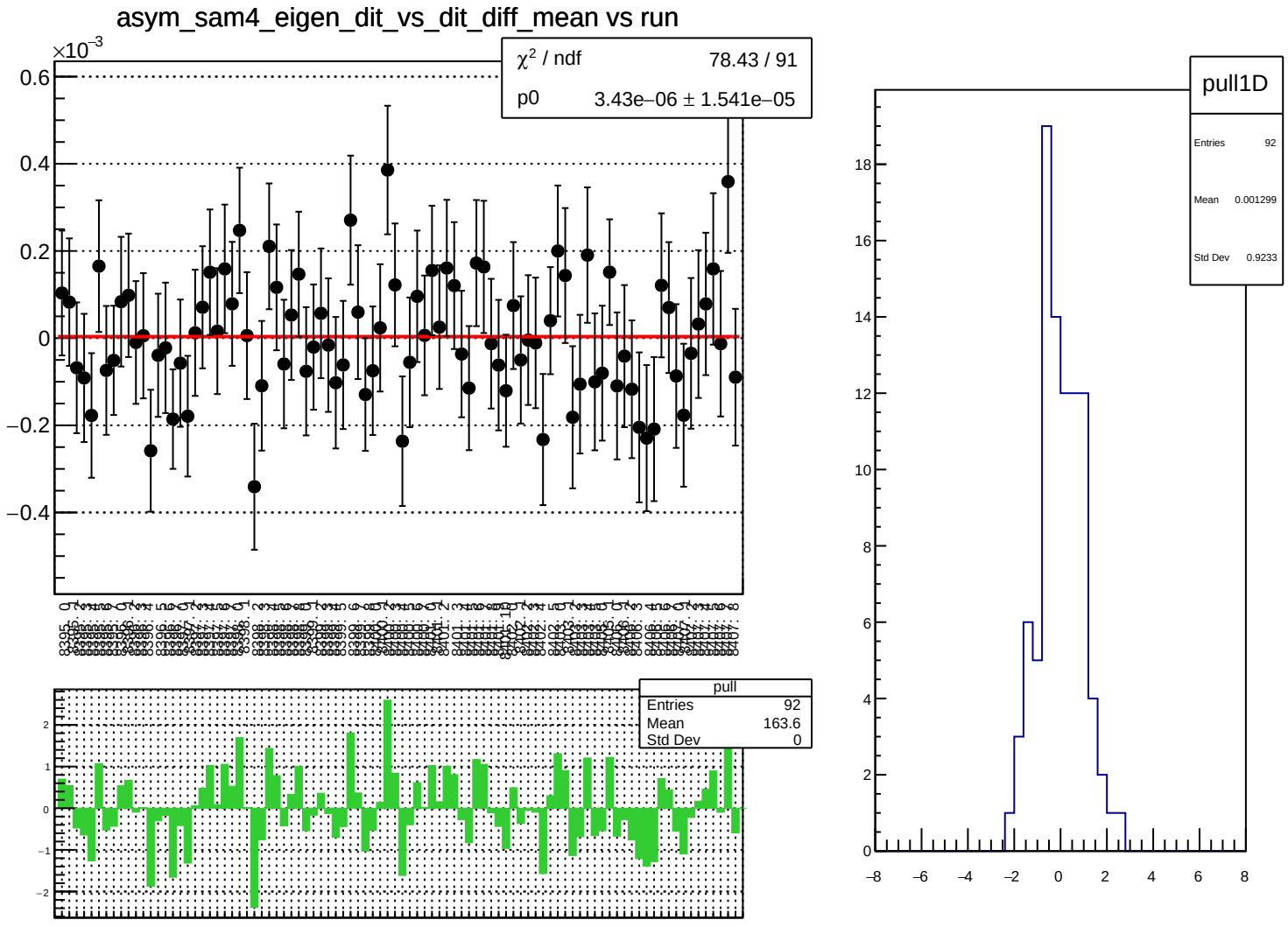

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 8.924e+05 / 91
p0 3.252e−10 ± 3.567e−13
0.25
0.2
0.15
0.1
0.05
0

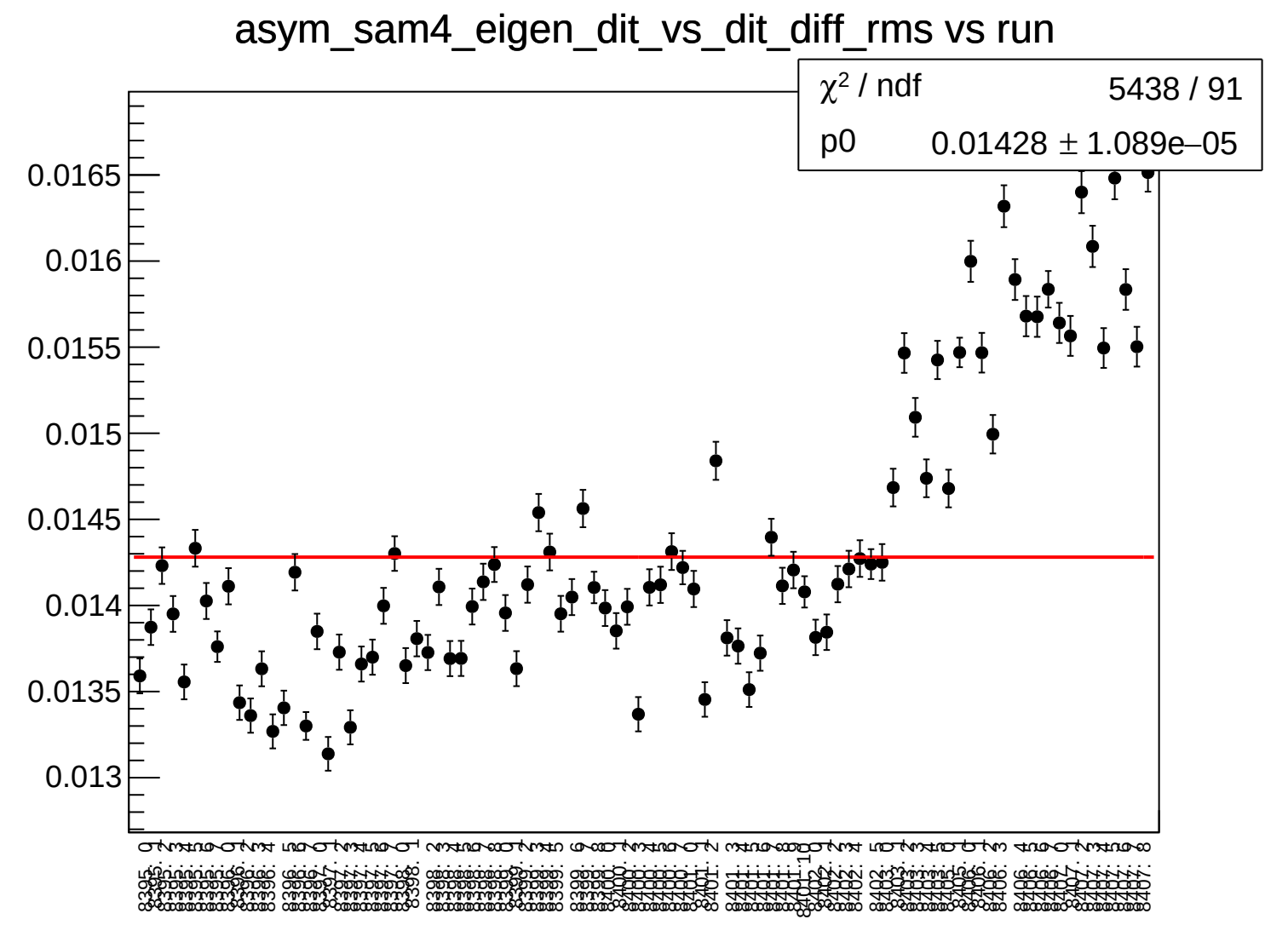

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 76.22 / 91
p0 −0.2612 ± 0.1375
pull
Entries 92
Mean −239.6
Std Dev 0
pull1D
Entries 92
Mean −0.006867
Std Dev 0.9102

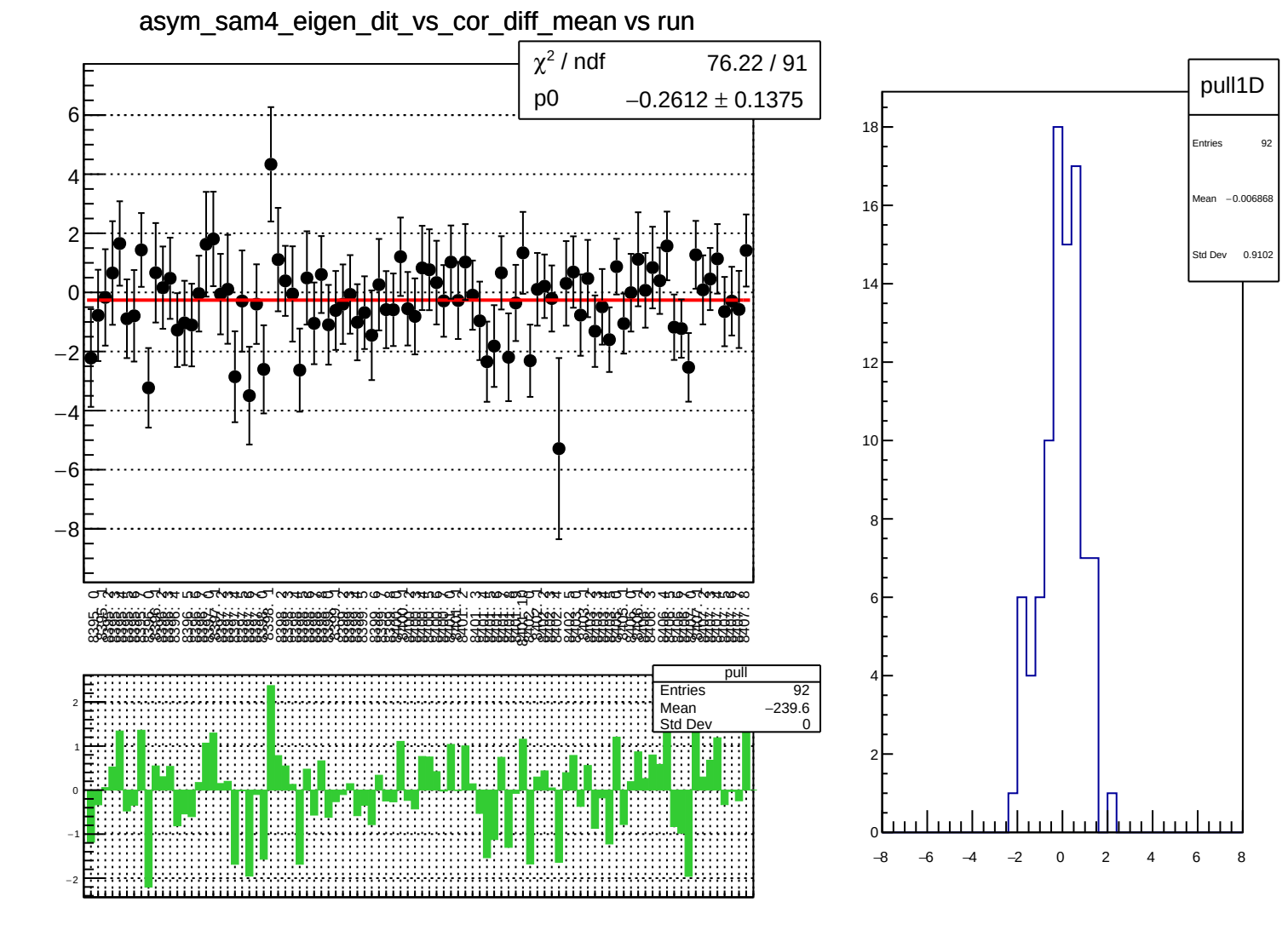

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 3.744e+04 / 91
p0 126.2 ± 0.0972
300
250
200
150
100

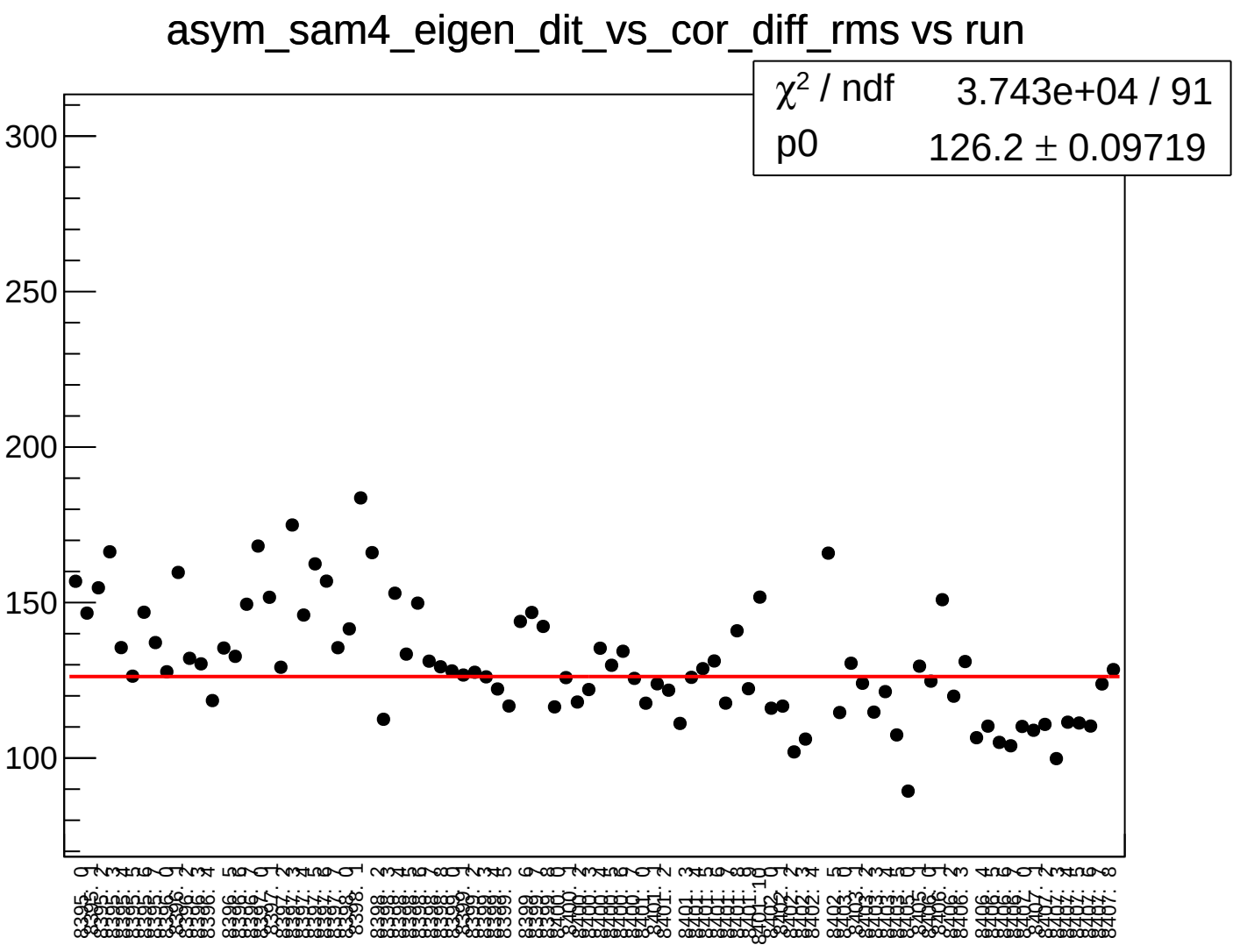

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.22 / 91
p0 −0.2612 ± 0.1375
pull
Entries 92
Mean −239.6
Std Dev 0
pull1D
Entries 92
Mean −0.006867
Std Dev 0.9102

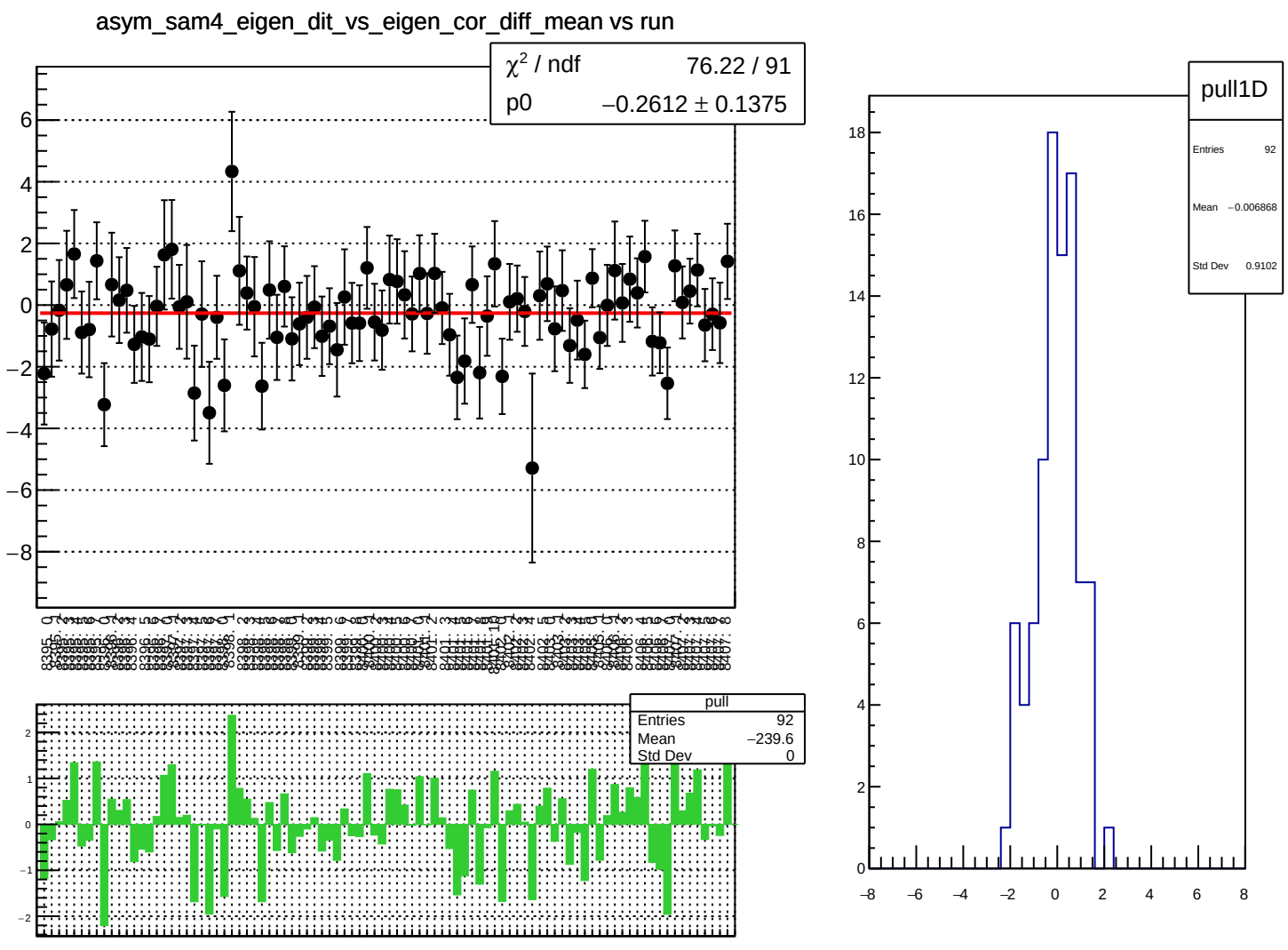

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.744e+04 / 91
p0 126.2 ± 0.0972
300
250
200
150
100

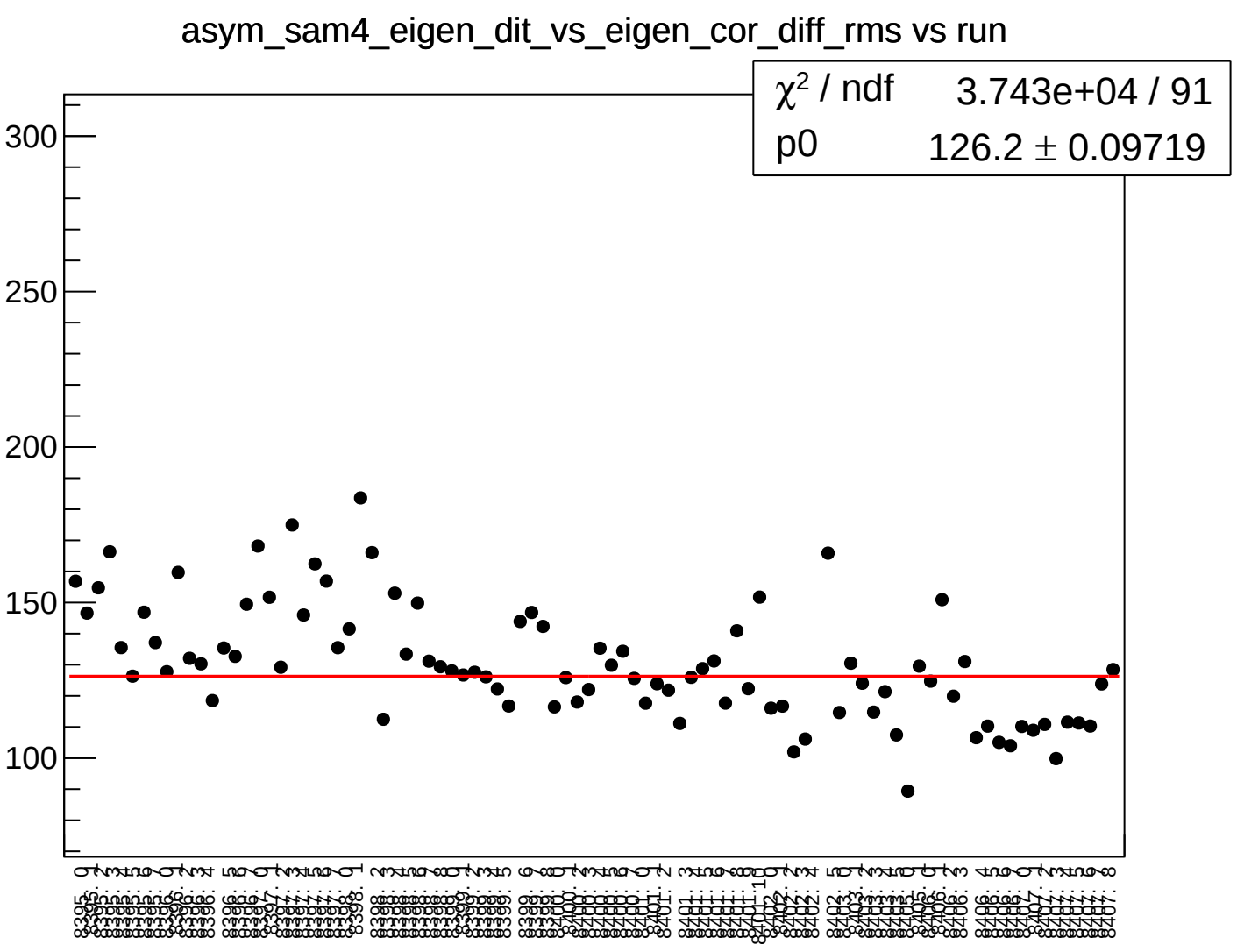

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.43 / 91
p0 3.43e−06 ± 1.541e−05
pull
Entries 92
Mean 163.6
Std Dev 0
pull1D
Entries 92
Mean 0.001299
Std Dev 0.9233

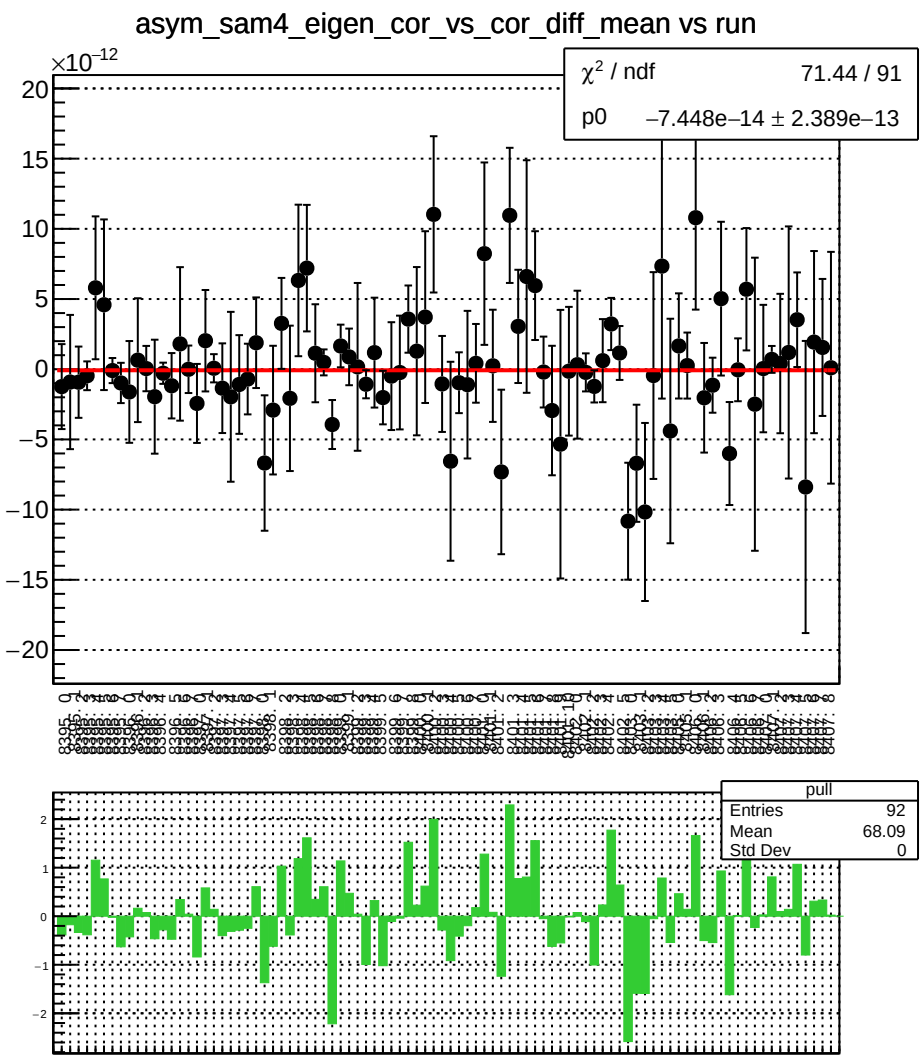

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5438 / 91
p0 0.01428 ± 1.089e−05
0.0165
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013

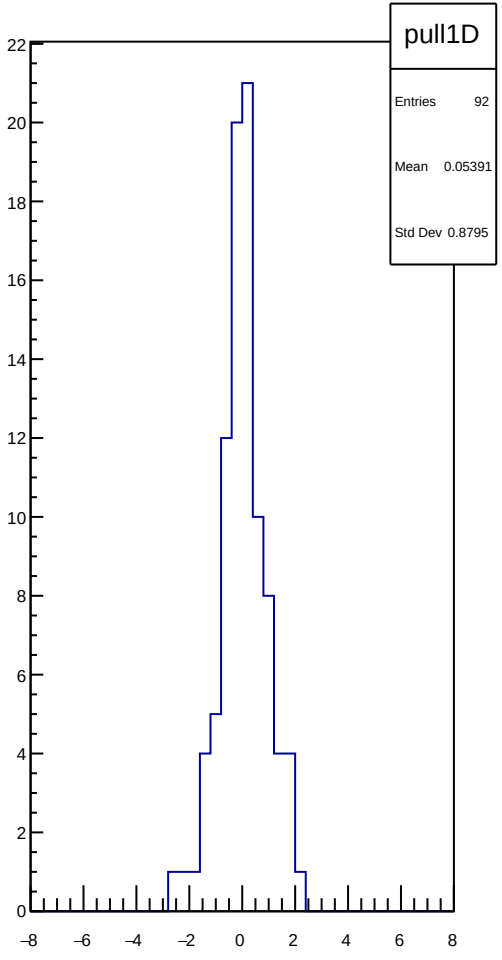

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.22 / 91
p0 −0.2612 ± 0.1375
pull
Entries 92
Mean −239.6
Std Dev 0
pull1D
Entries 92
Mean −0.006868
Std Dev 0.9102

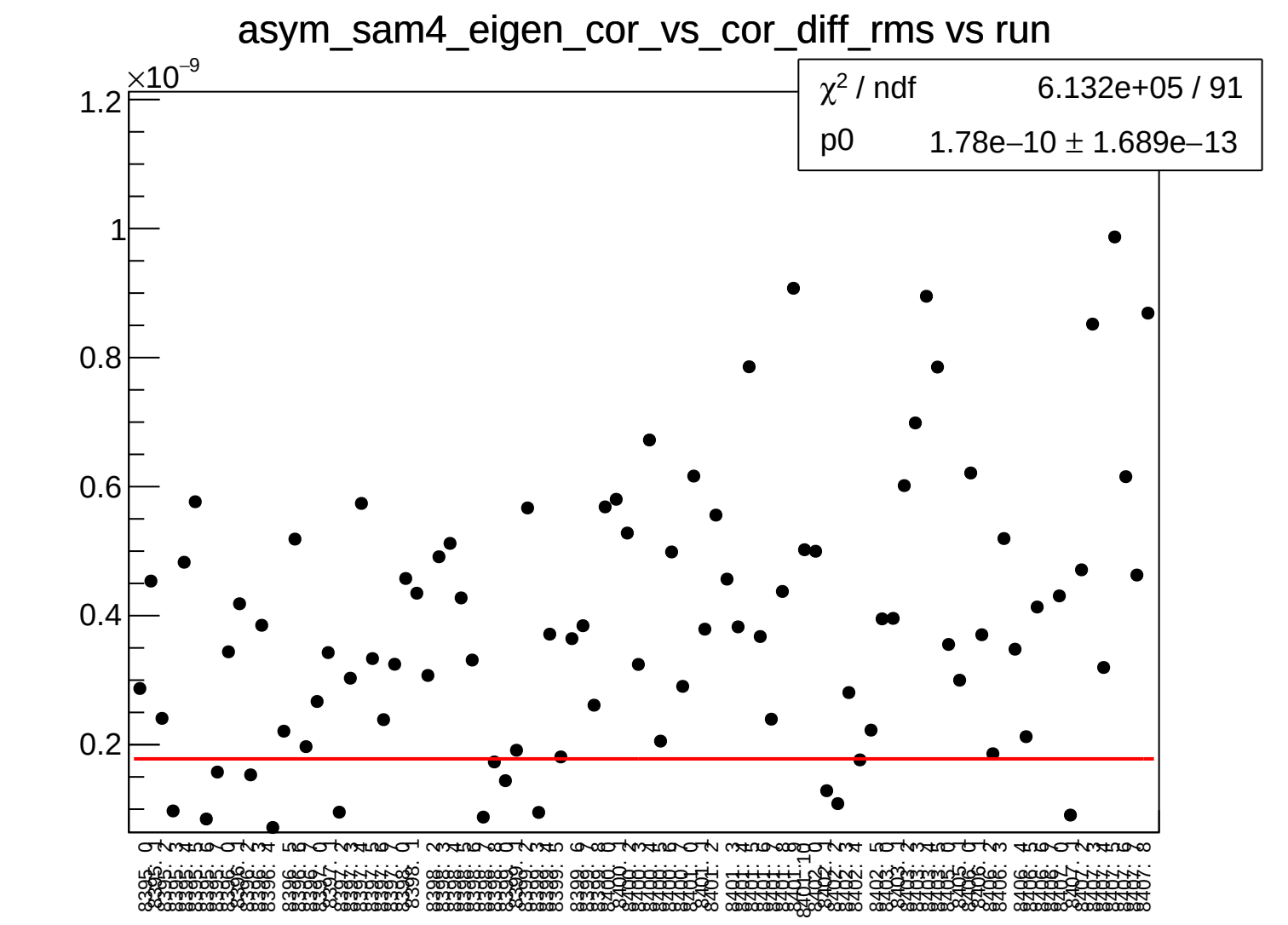

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.743e+04 / 91
p0 126.2 ± 0.09719
300
250
200
150
100

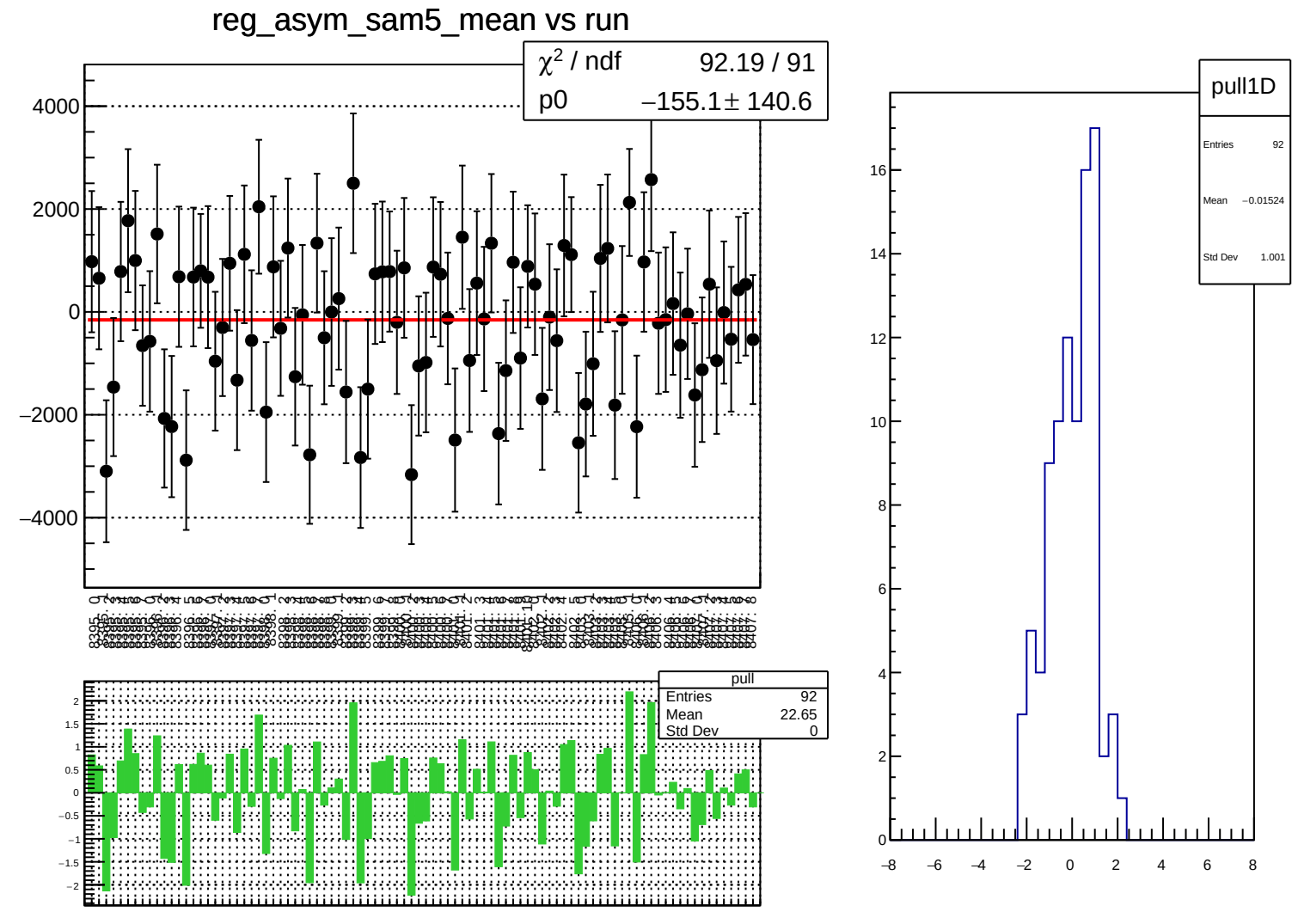

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.22 / 91
p0 −0.2612 ± 0.1375
pull
Entries 92
Mean −239.6
Std Dev 0
pull1D
Entries 92
Mean −0.006868
Std Dev 0.9102

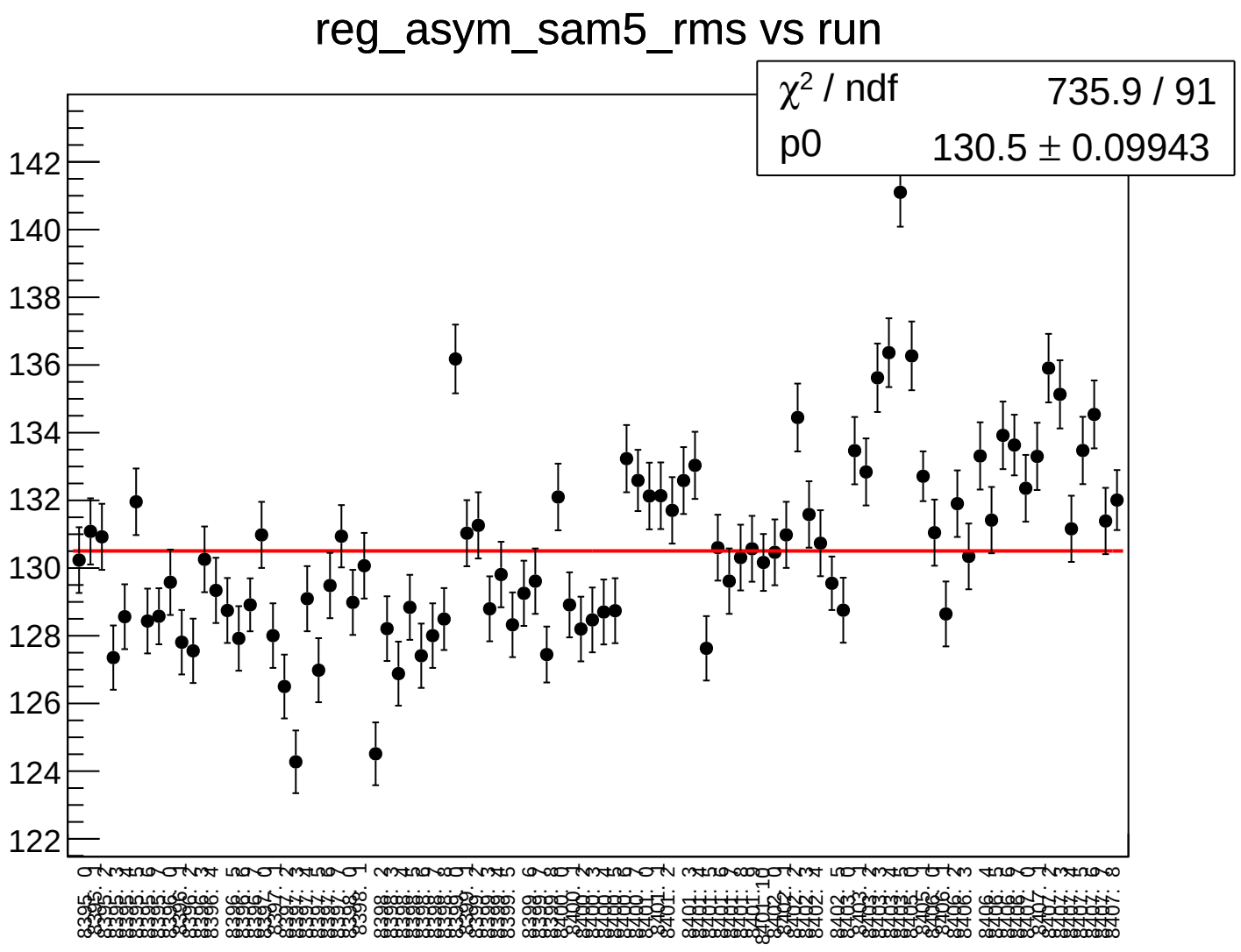

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.743e+04 / 91
p0 126.2 ± 0.09719
300
250
200
150
100

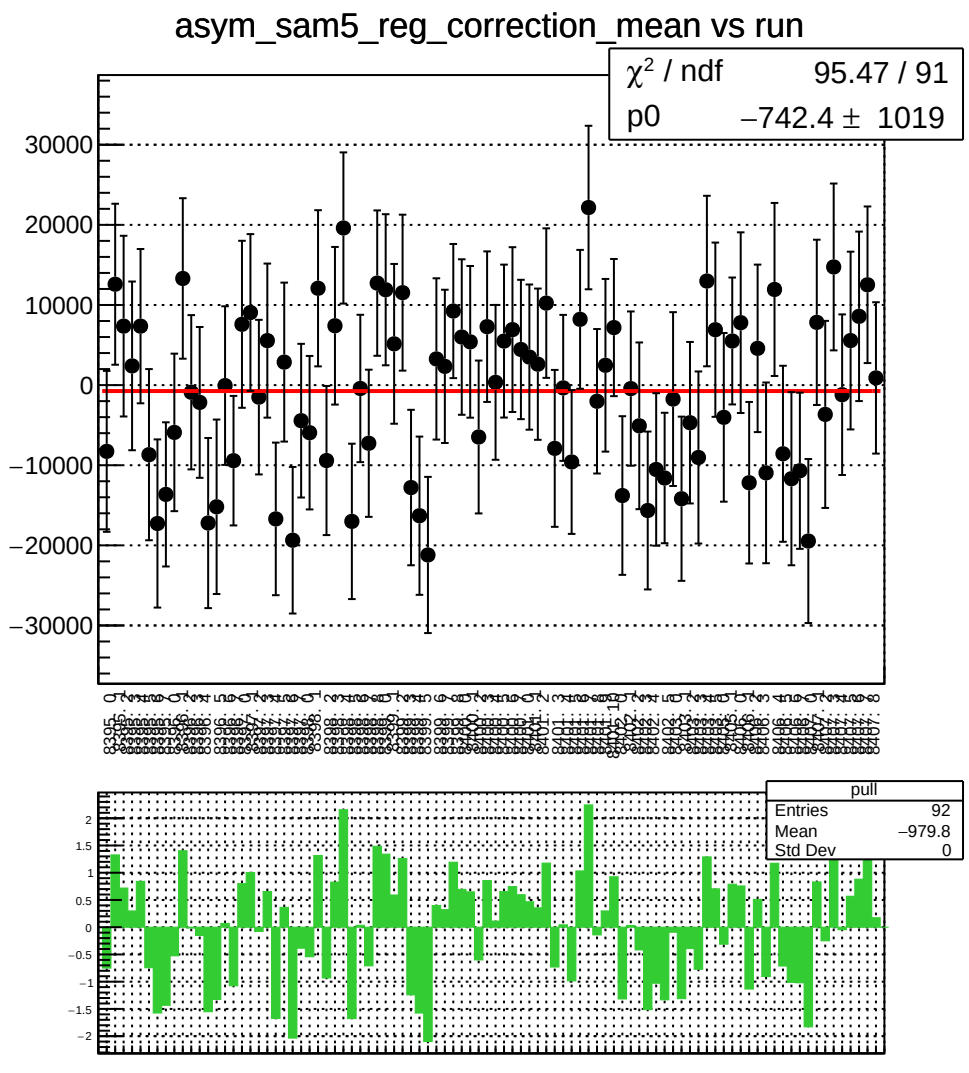

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.44 / 91
p0 −7.448e−14 ± 2.389e−13
pull
Entries 92
Mean 68.09
Std Dev 0

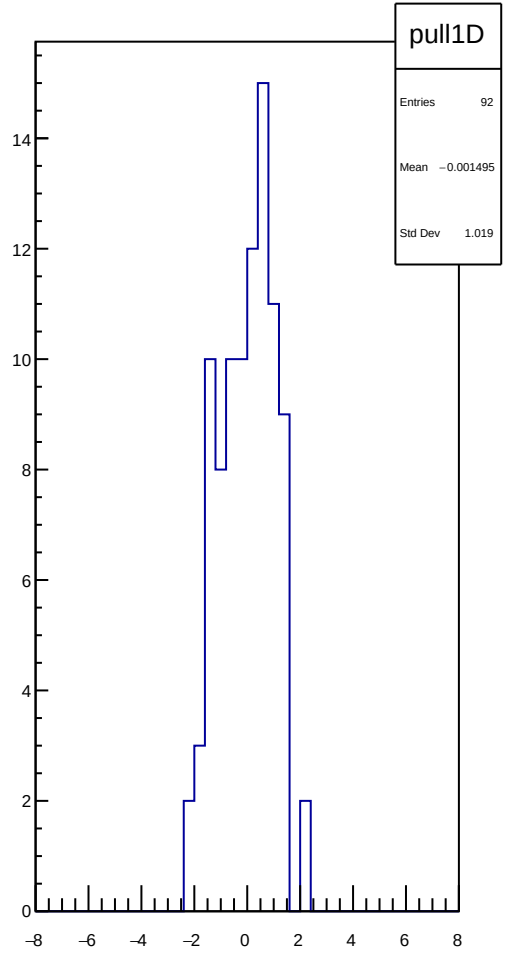

pull1D
Entries 92
Mean 0.05391
Std Dev 0.8795

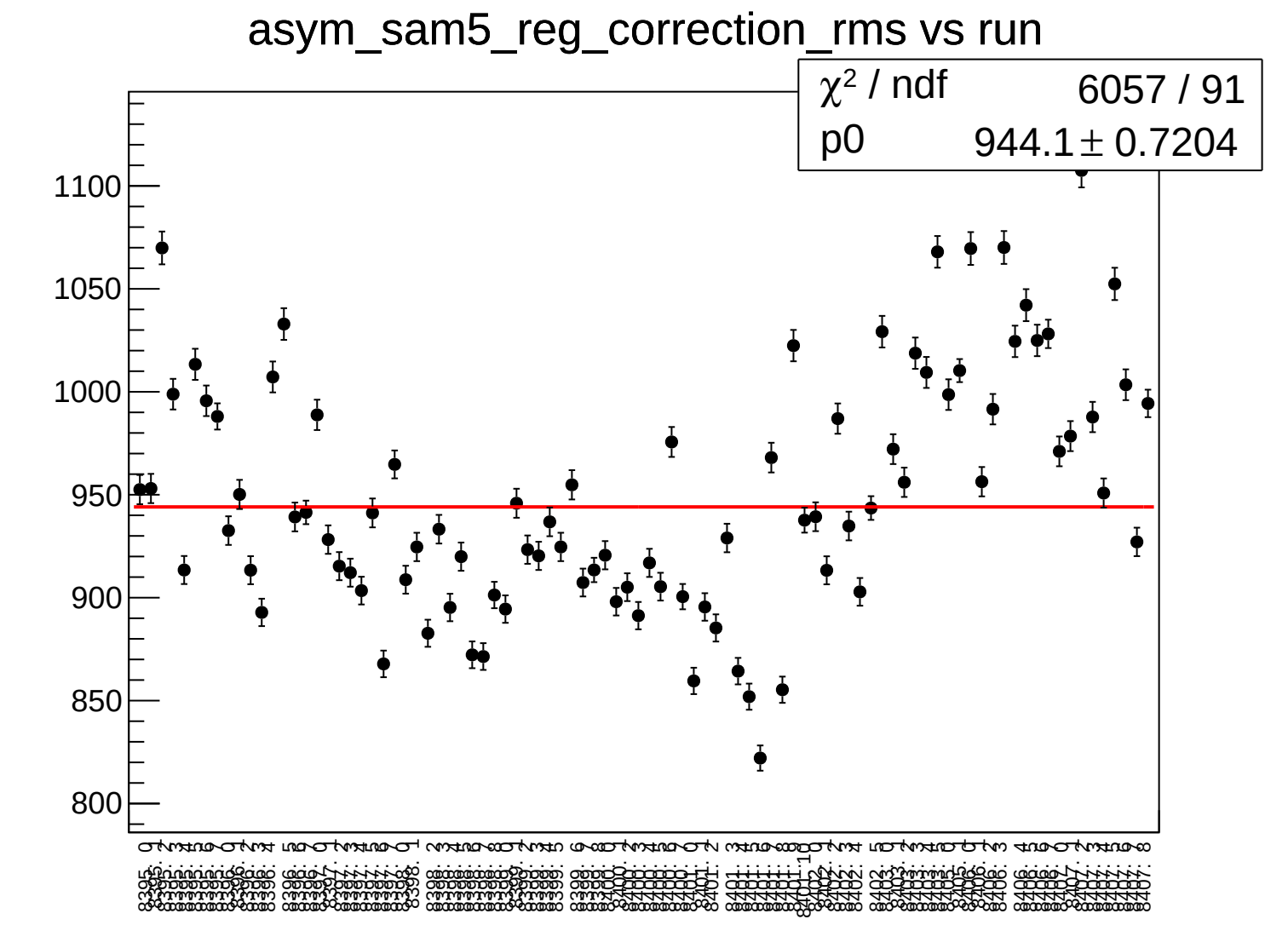

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
χ² / ndf 6.132e+05 / 91
p0 1.78e−10 ± 1.689e−13

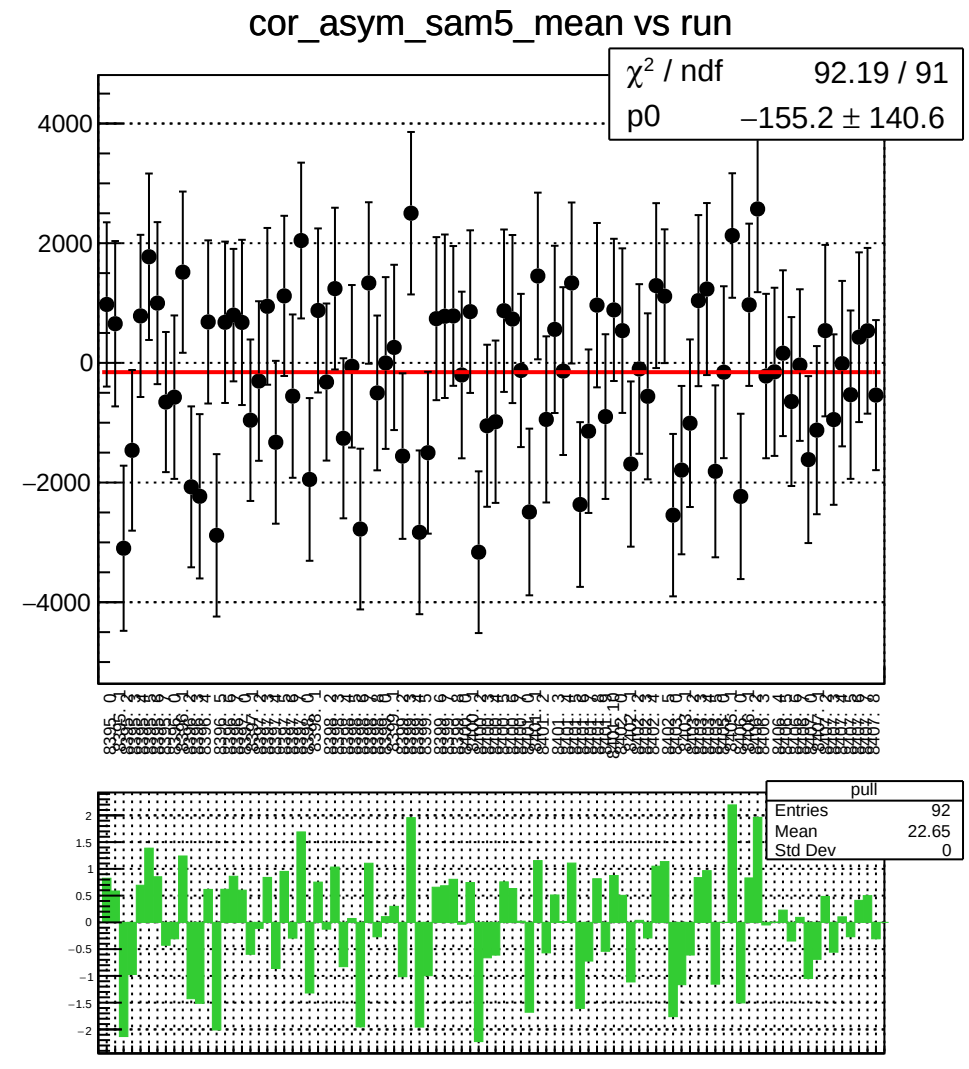

reg_asym_sam5_mean vs run
χ² / ndf 92.19 / 91
p0 −155.1± 140.6
4000
2000
0
−2000
−4000
pull
Entries 92
Mean 22.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.01524
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

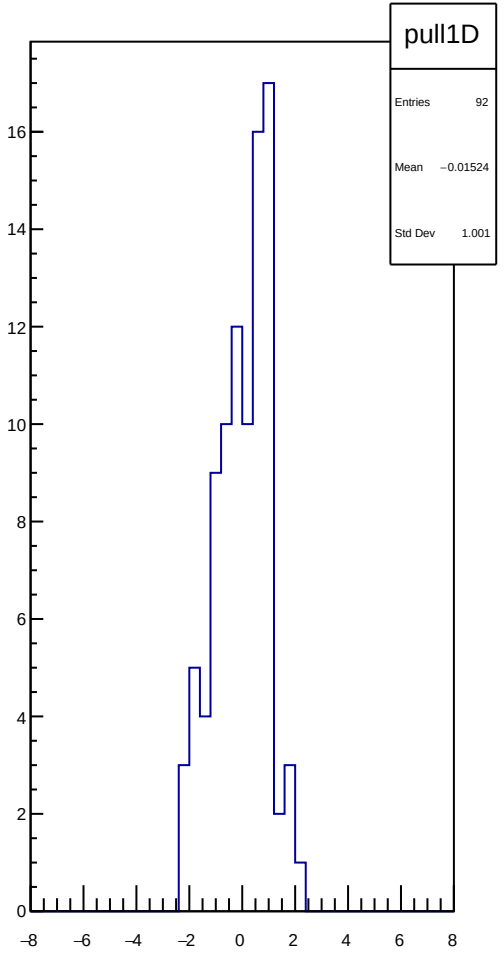

reg_asym_sam5_rms vs run
χ² / ndf 735.9 / 91
p0 130.5 ± 0.09943
142
140
138
136
134
132
130
128
126
124
122

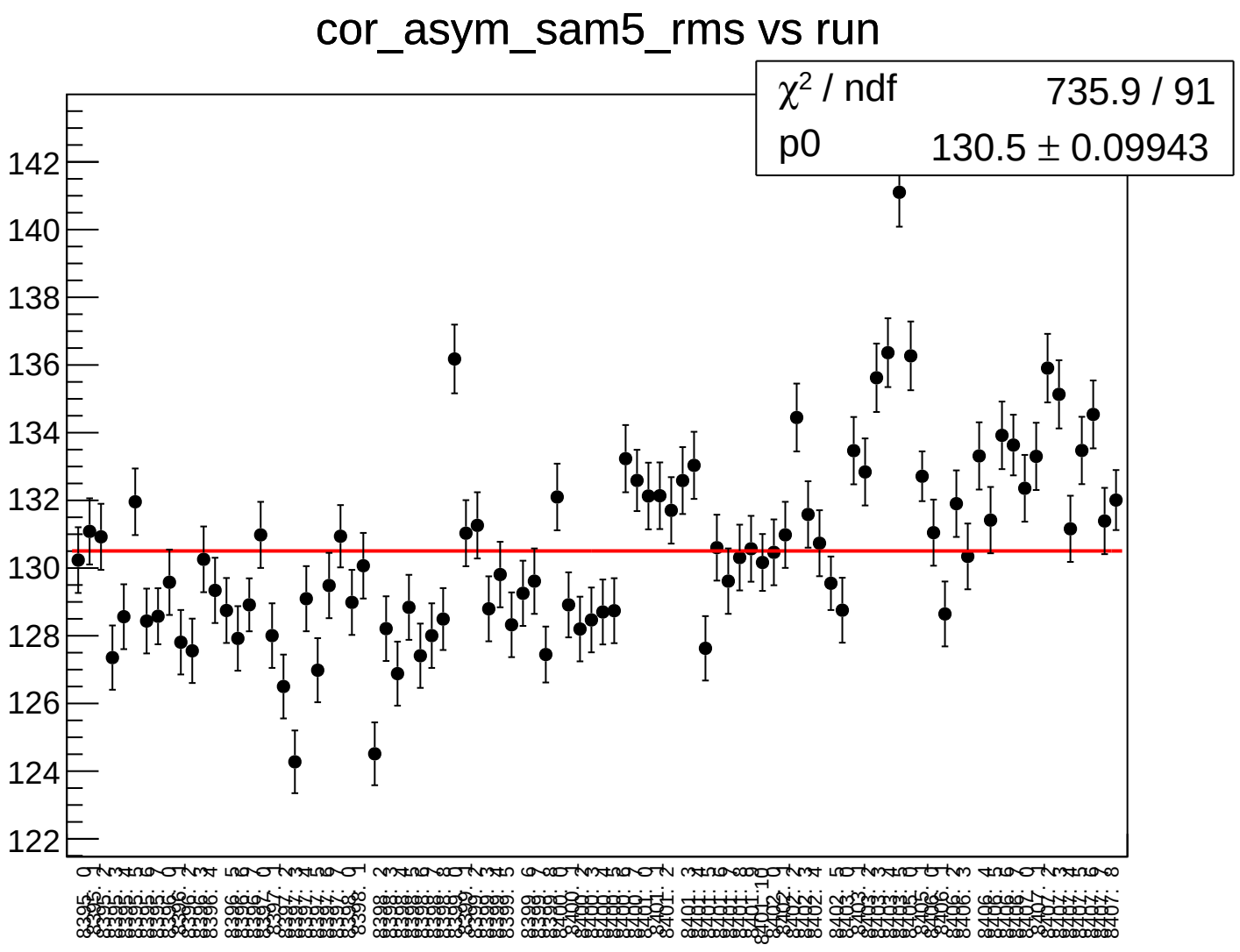

asym_sam5_reg_correction_mean vs run
χ² / ndf 95.47 / 91
p0 −742.4 ± 1019
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −979.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

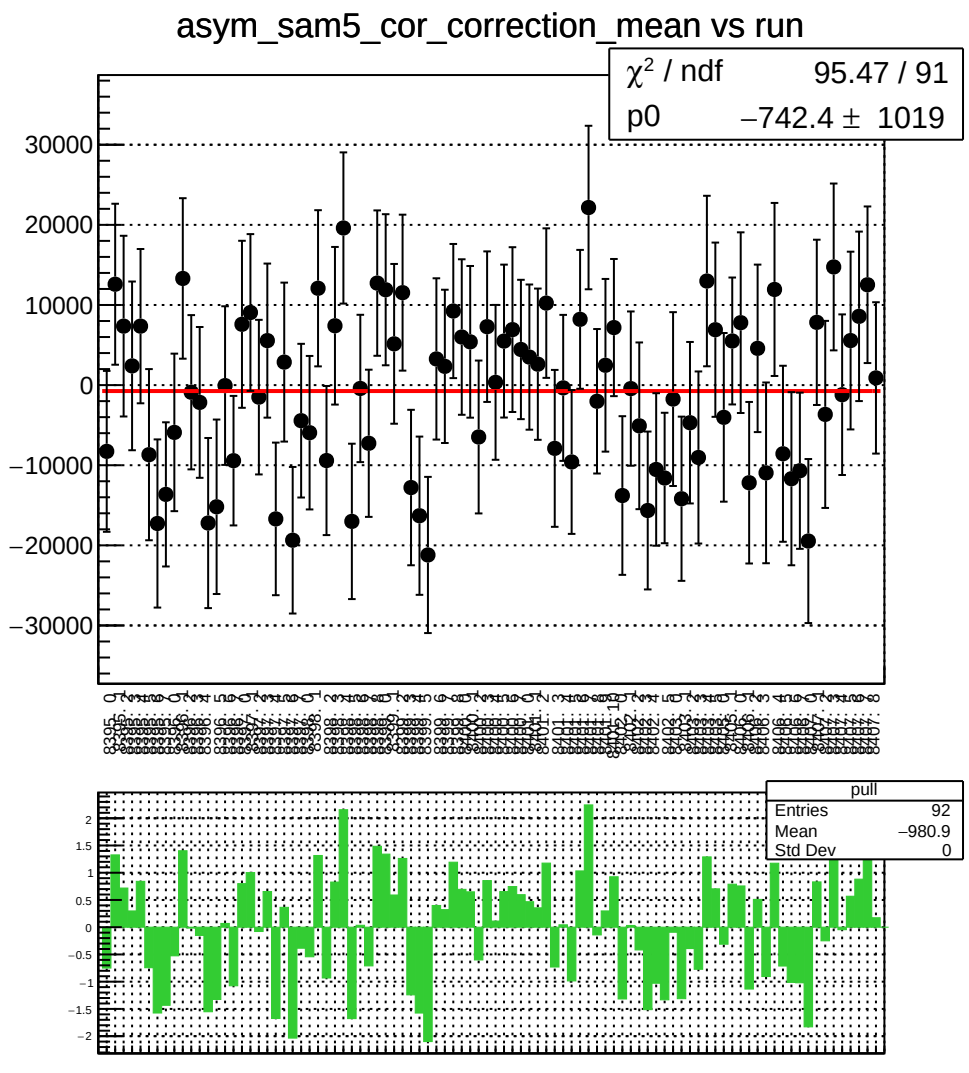

pull1D
Entries 92
Mean −0.001495
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

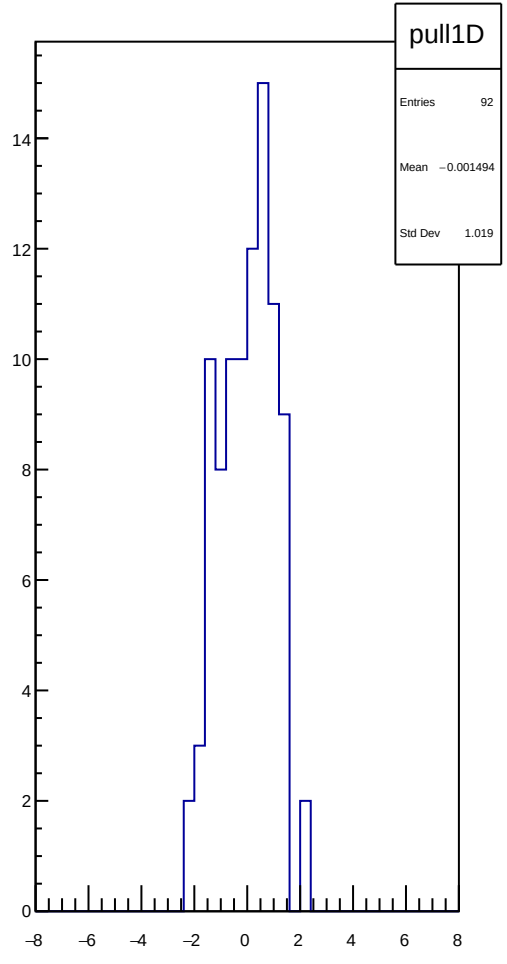

asym_sam5_reg_correction_rms vs run
χ² / ndf 6057 / 91
p0 944.1 ± 0.7204
1100
1050
1000
950
900
850
800

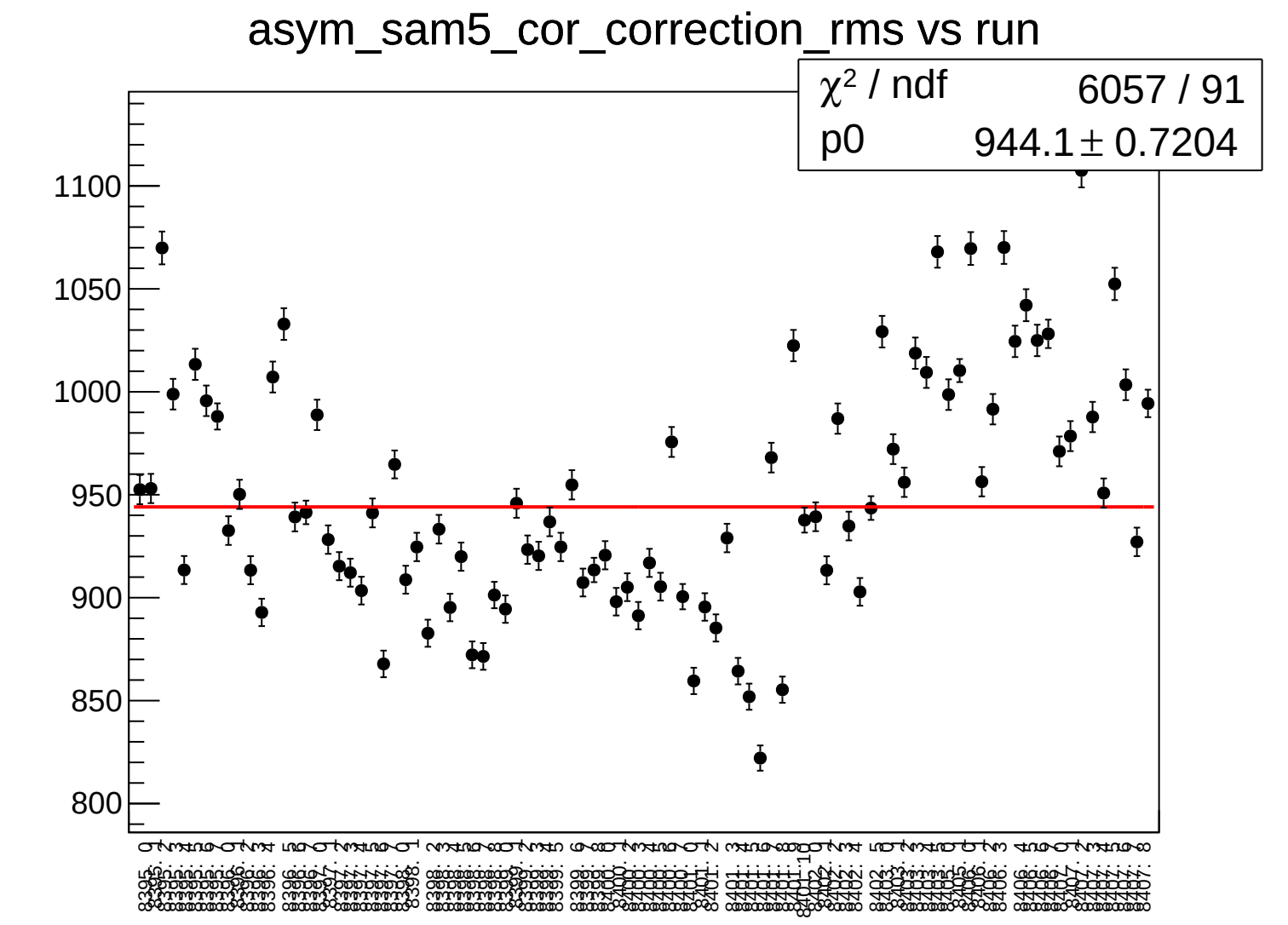

cor_asym_sam5_mean vs run
χ² / ndf 92.19 / 91
p0 −155.2 ± 140.6
4000
2000
0
−2000
−4000
pull
Entries 92
Mean 22.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

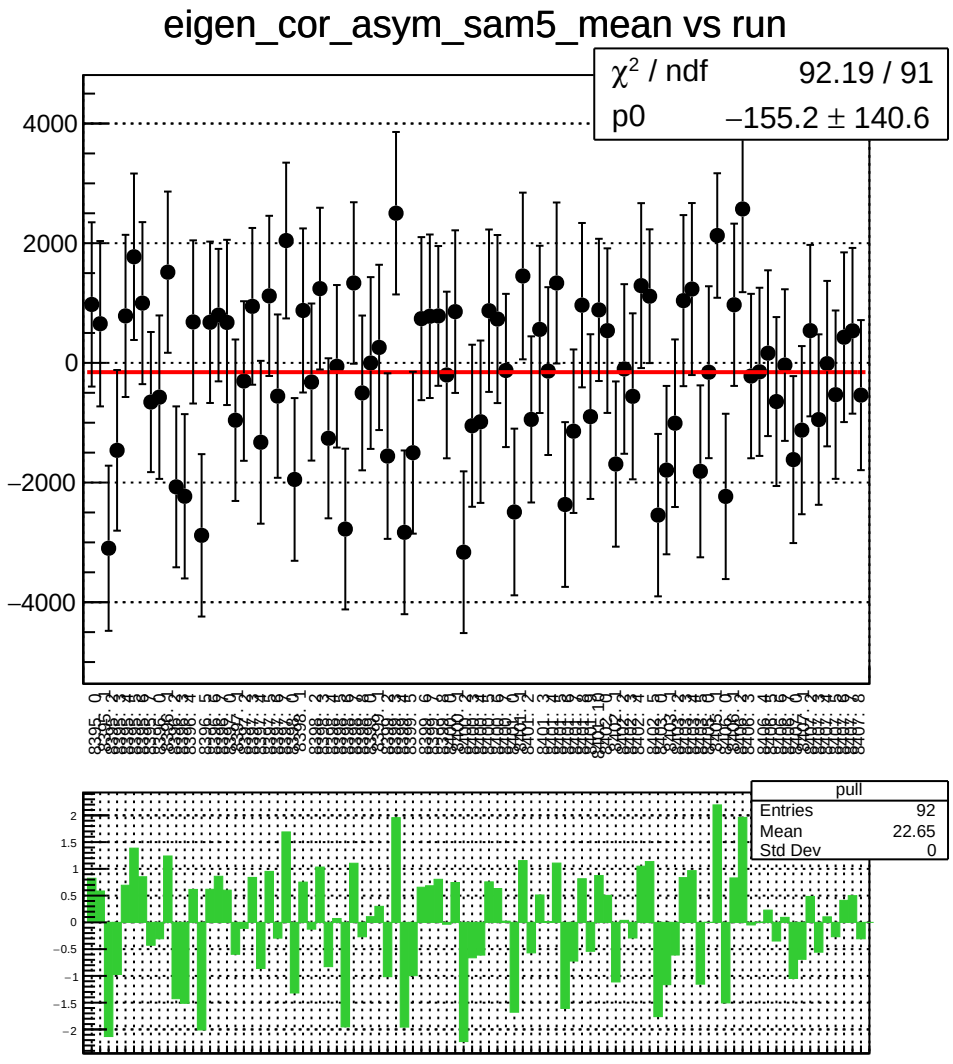

pull1D
Entries 92
Mean −0.01524
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

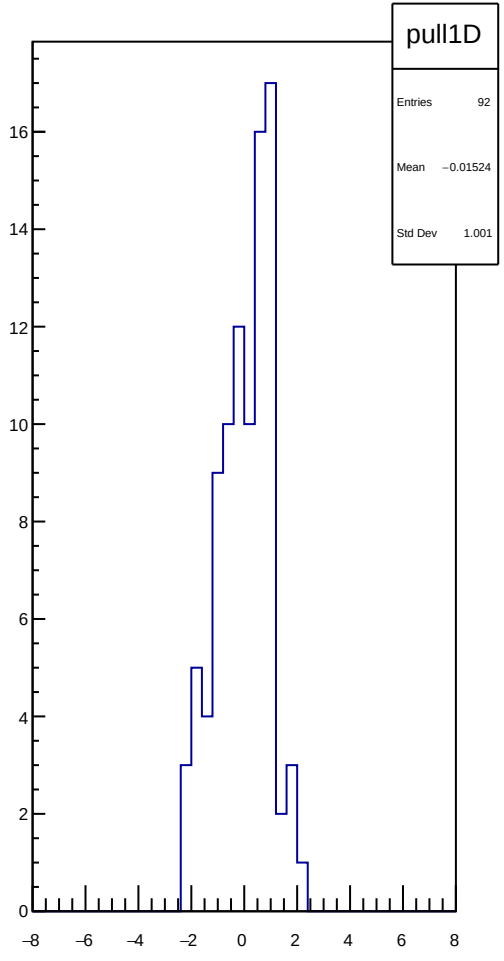

cor_asym_sam5_rms vs run
χ² / ndf 735.9 / 91
p0 130.5 ± 0.09943
142
140
138
136
134
132
130
128
126
124
122

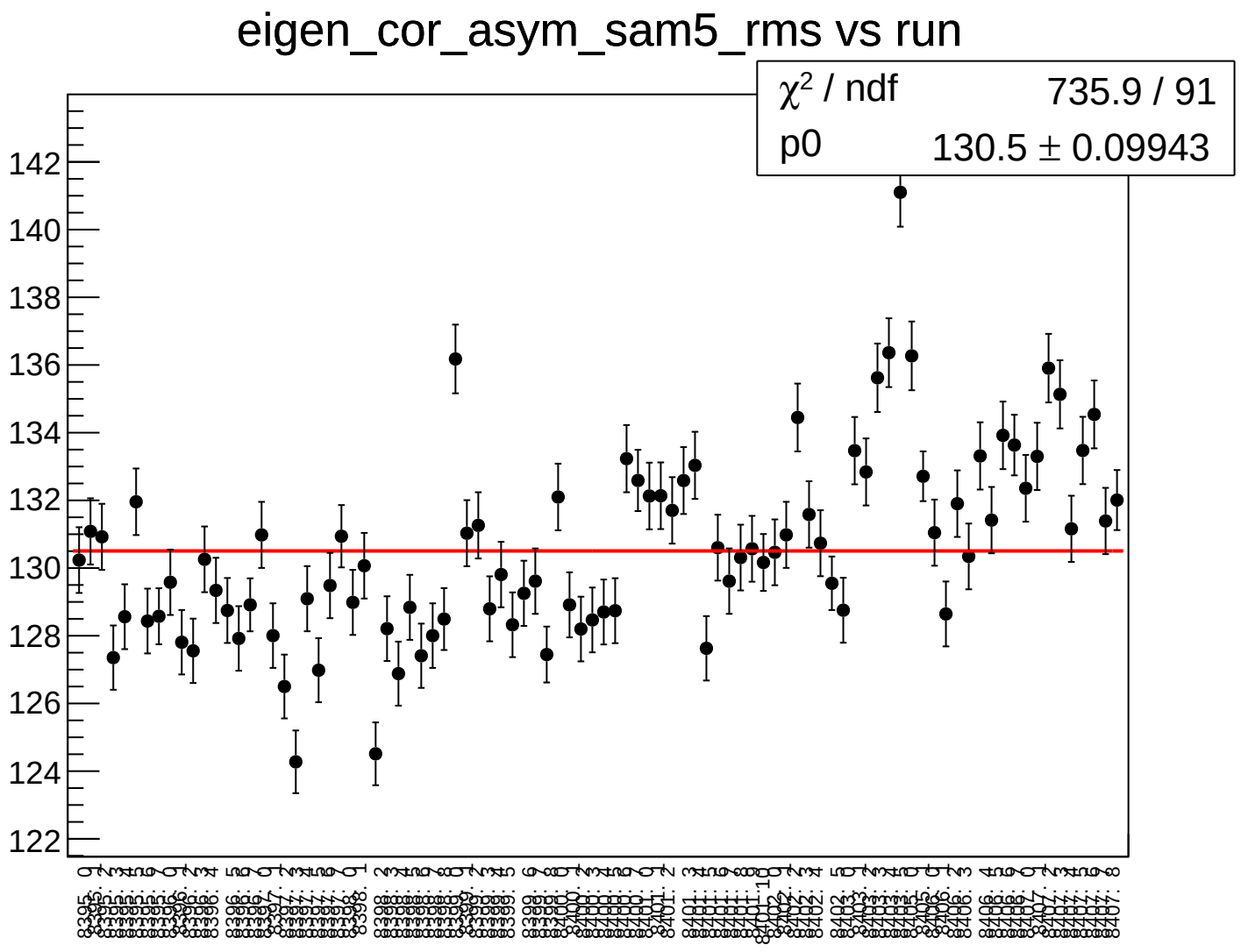

asym_sam5_cor_correction_mean vs run
χ² / ndf 95.47 / 91
p0 −742.4 ± 1019
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −980.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

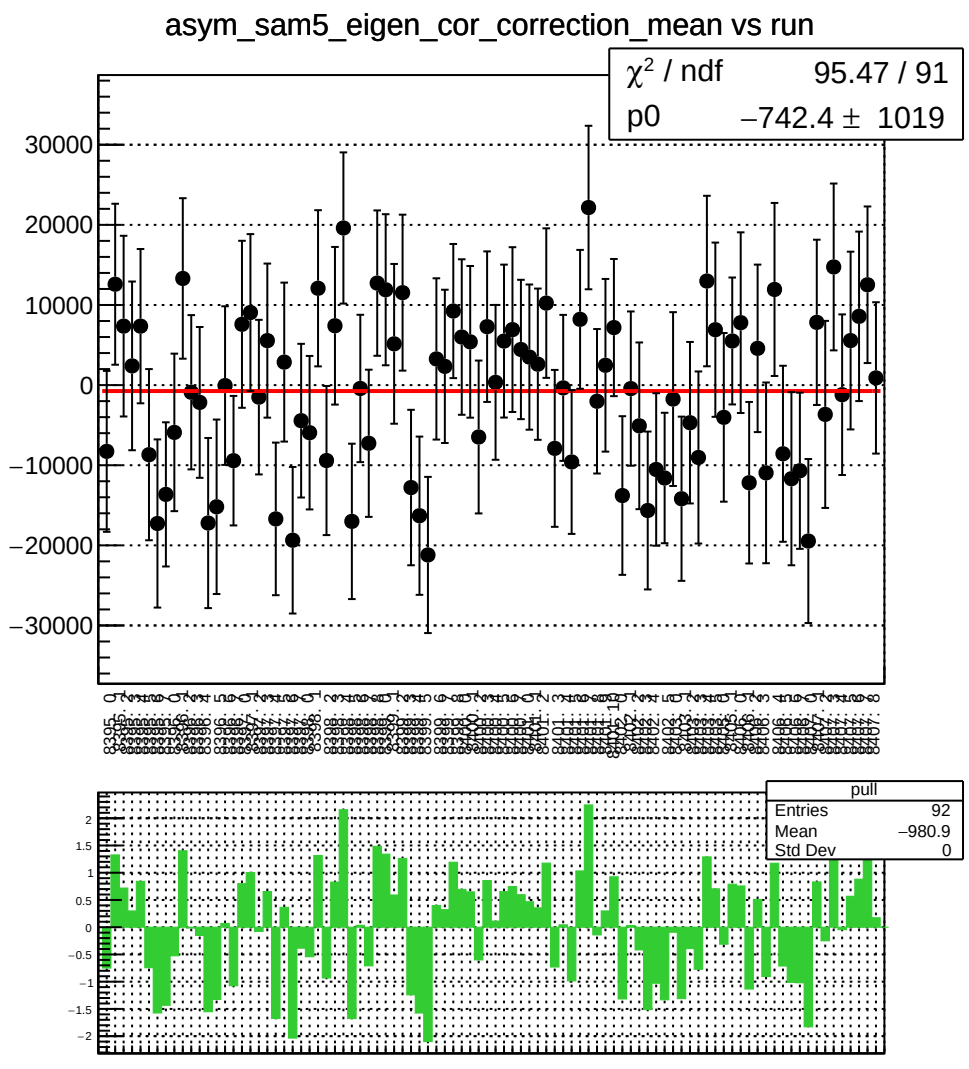

pull1D
Entries 92
Mean −0.001494
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

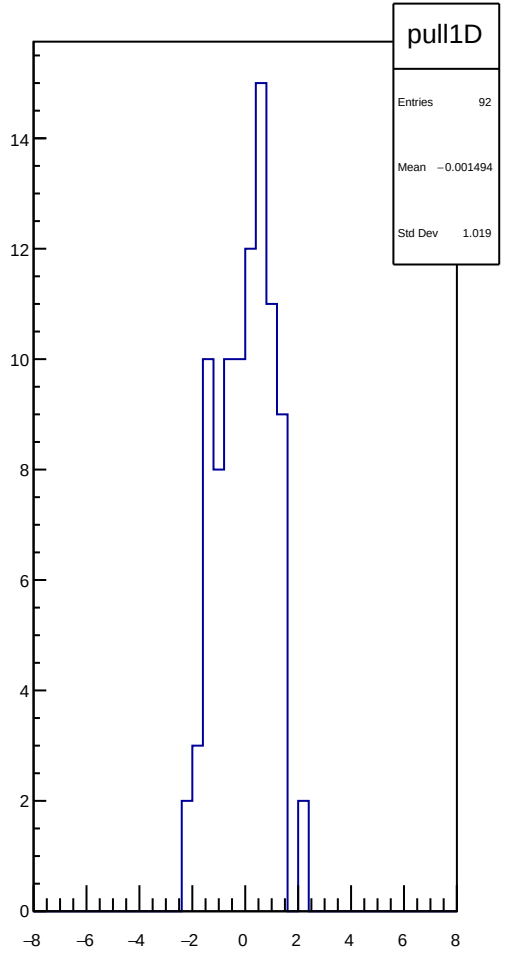

asym_sam5_cor_correction_rms vs run
χ² / ndf 6057 / 91
p0 944.1 ± 0.7204
1100
1050
1000
950
900
850
800

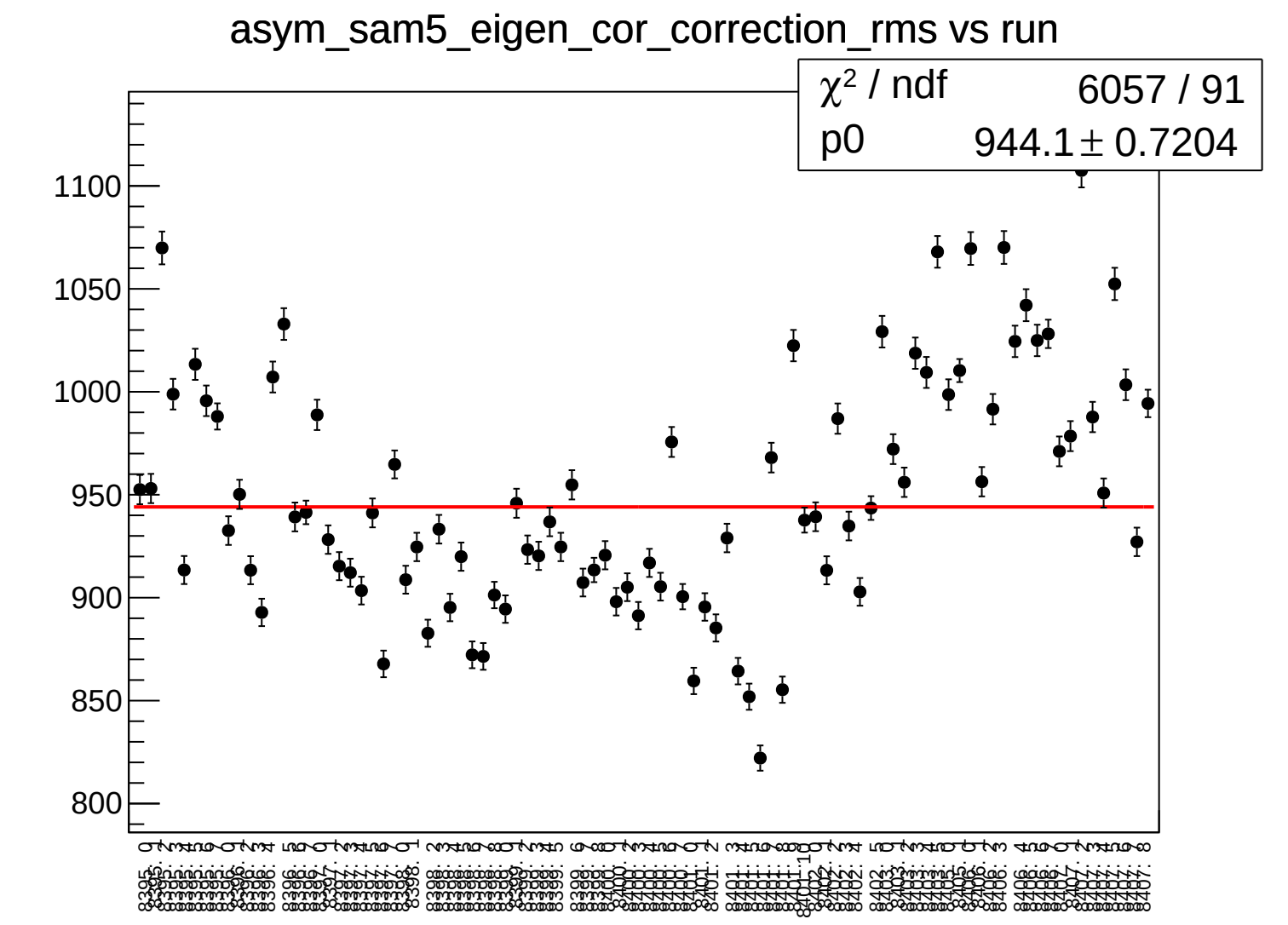

eigen_cor_asym_sam5_mean vs run
χ² / ndf 92.19 / 91
p0 −155.2 ± 140.6
4000
2000
0
−2000
−4000
pull
Entries 92
Mean 22.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

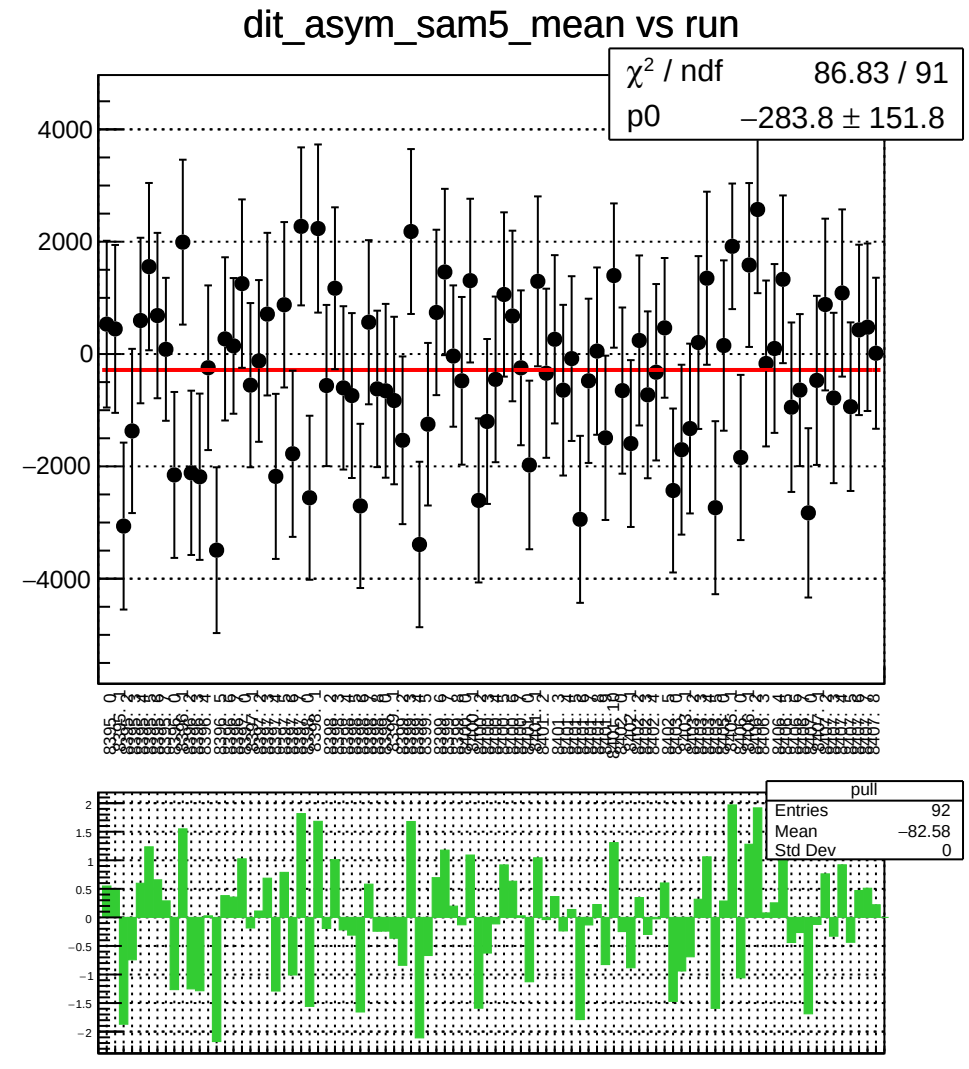

pull1D
Entries 92
Mean −0.01524
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

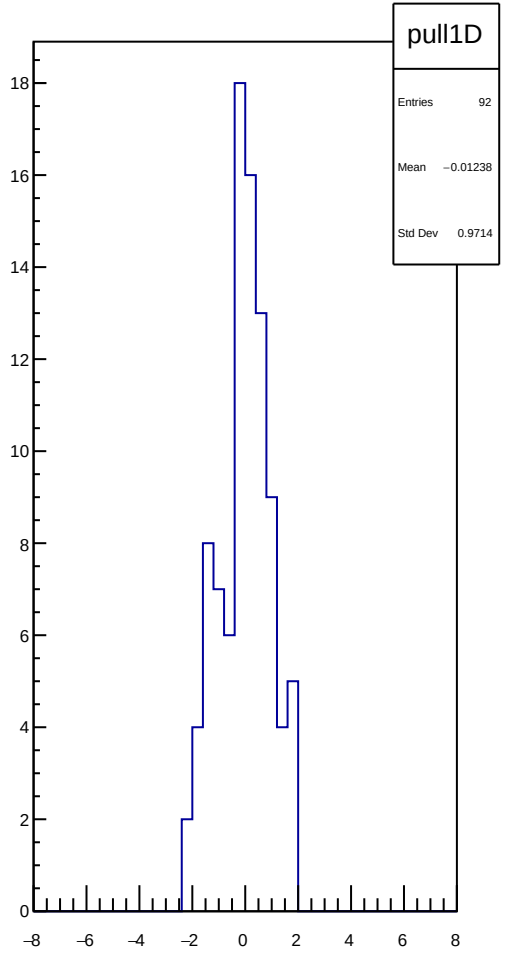

eigen_cor_asym_sam5_rms vs run
χ² / ndf 735.9 / 91
p0 130.5 ± 0.09943
142
140
138
136
134
132
130
128
126
124
122

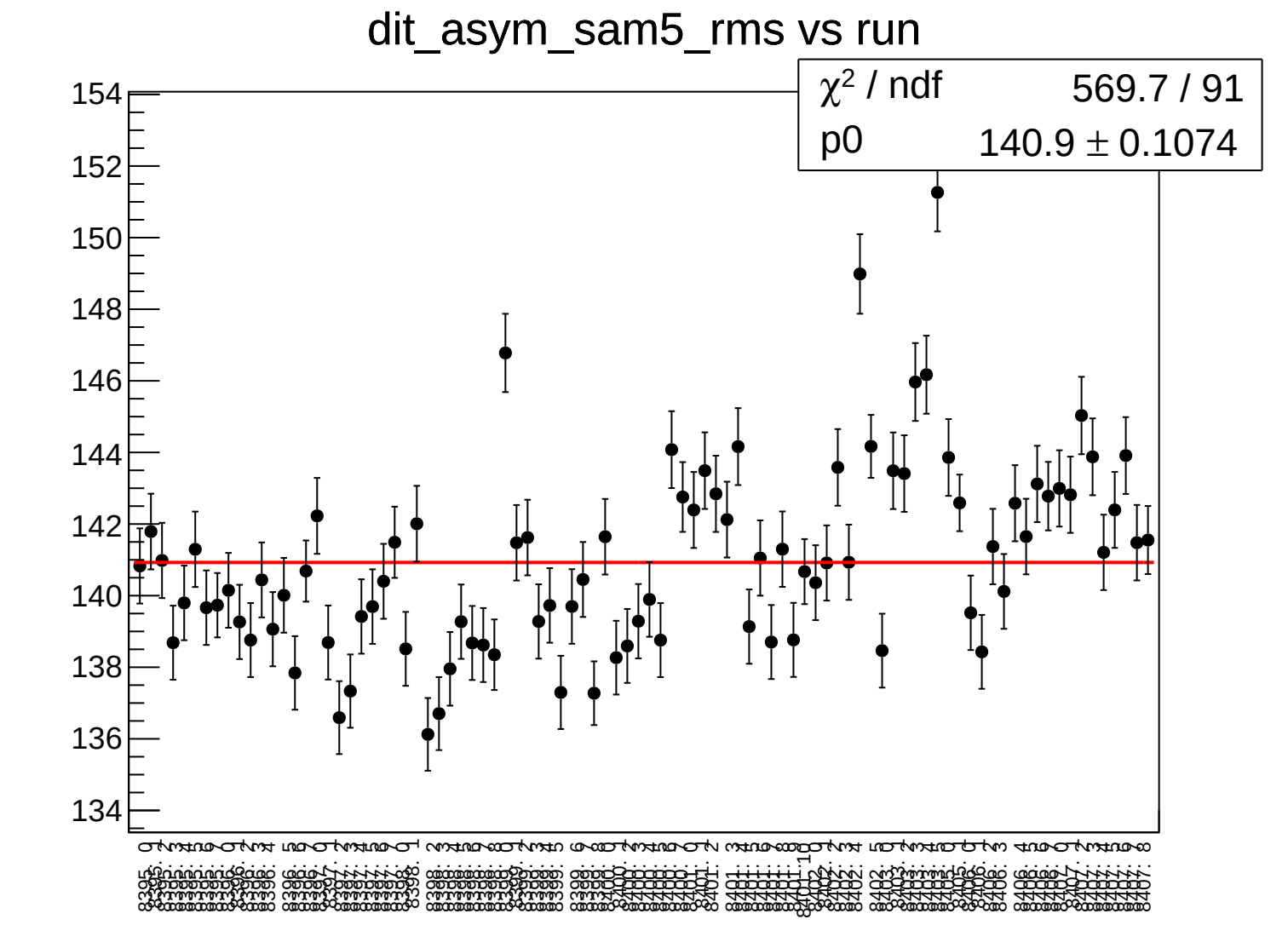

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 95.47 / 91
p0 −742.4 ± 1019
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −980.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

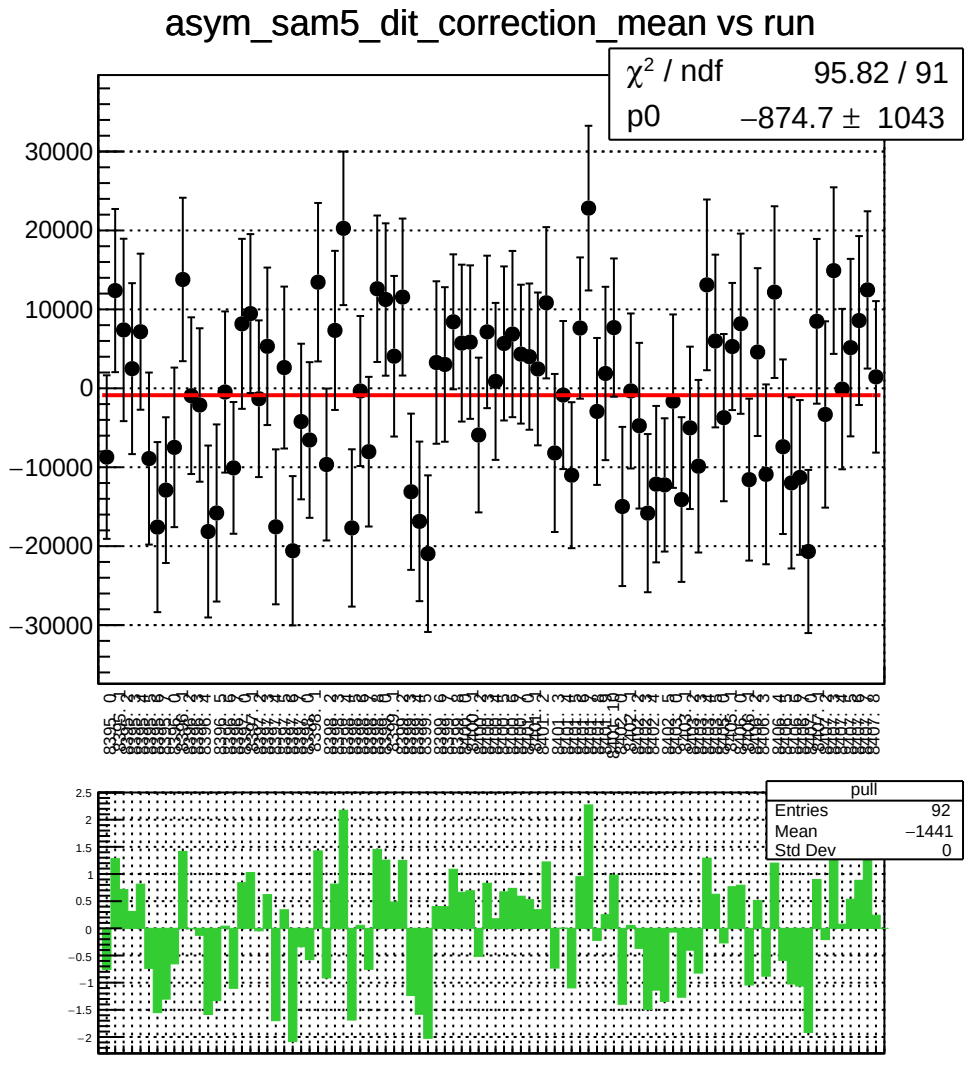

pull1D
Entries 92
Mean −0.001494
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

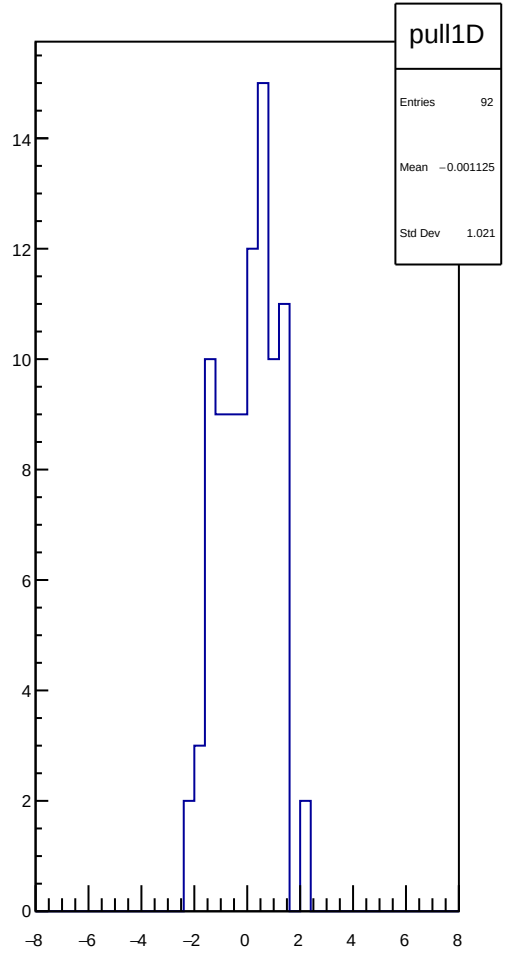

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 6057 / 91
p0 944.1 ± 0.7204
1100
1050
1000
950
900
850
800

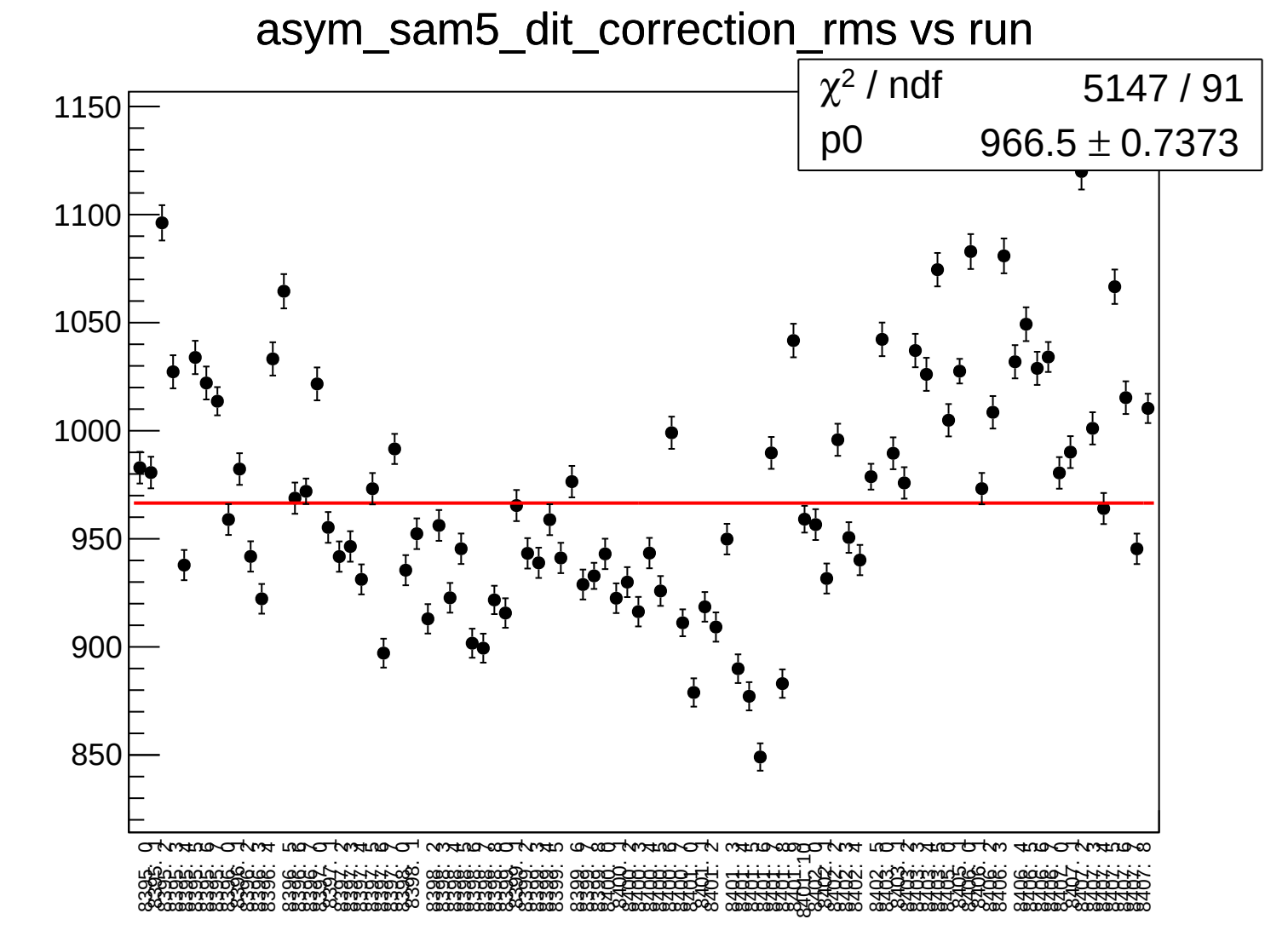

dit_asym_sam5_mean vs run
χ² / ndf 86.83 / 91
p0 −283.8 ± 151.8
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −82.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

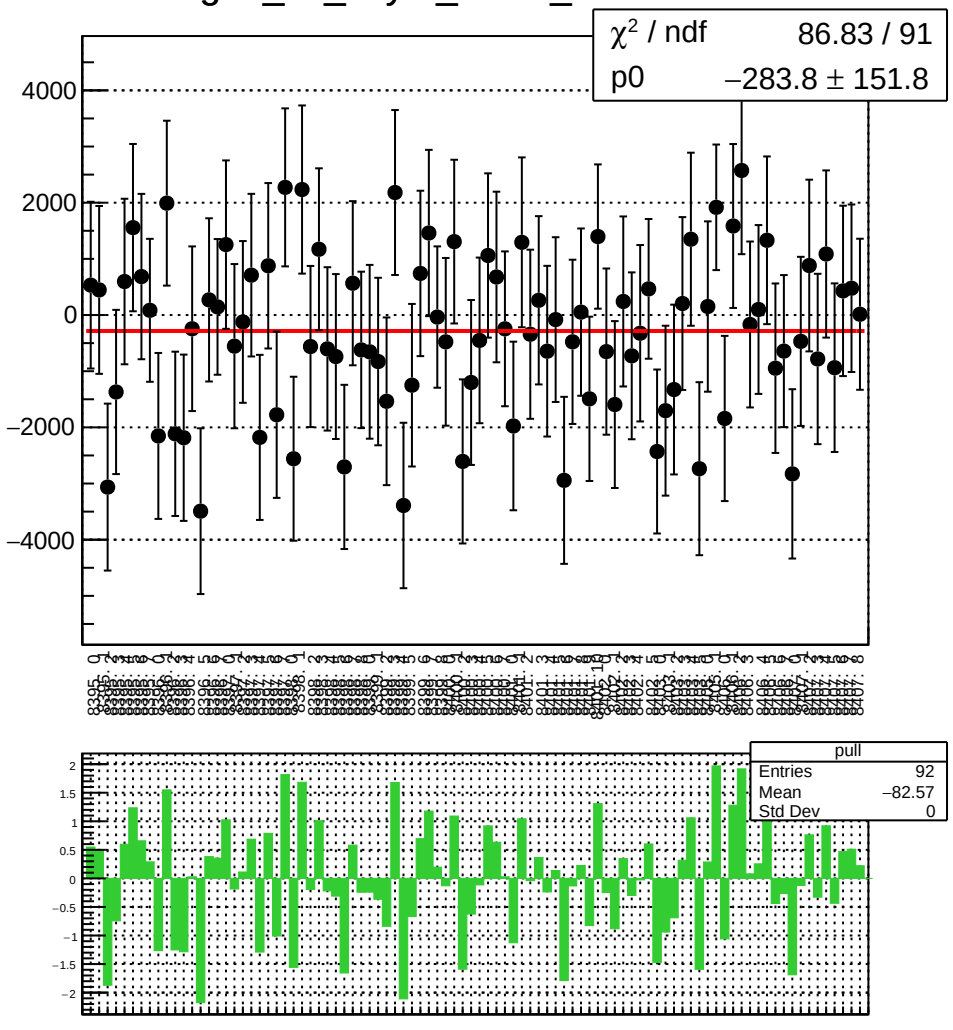

pull1D
Entries 92
Mean −0.01238
Std Dev 0.9714
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

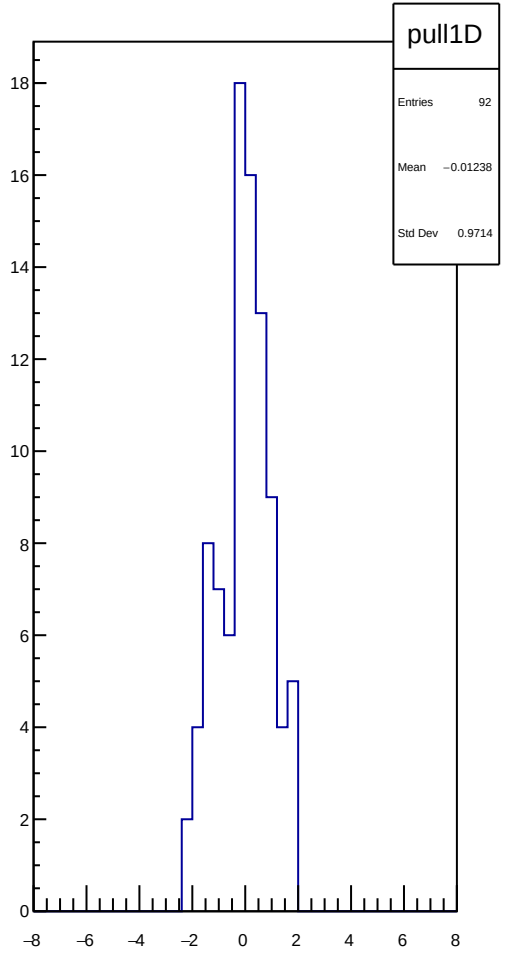

dit_asym_sam5_rms vs run
$\chi^2$ / ndf 569.7 / 91
p0 140.9 ± 0.1074
154
152
150
148
146
144
142
140
138
136
134

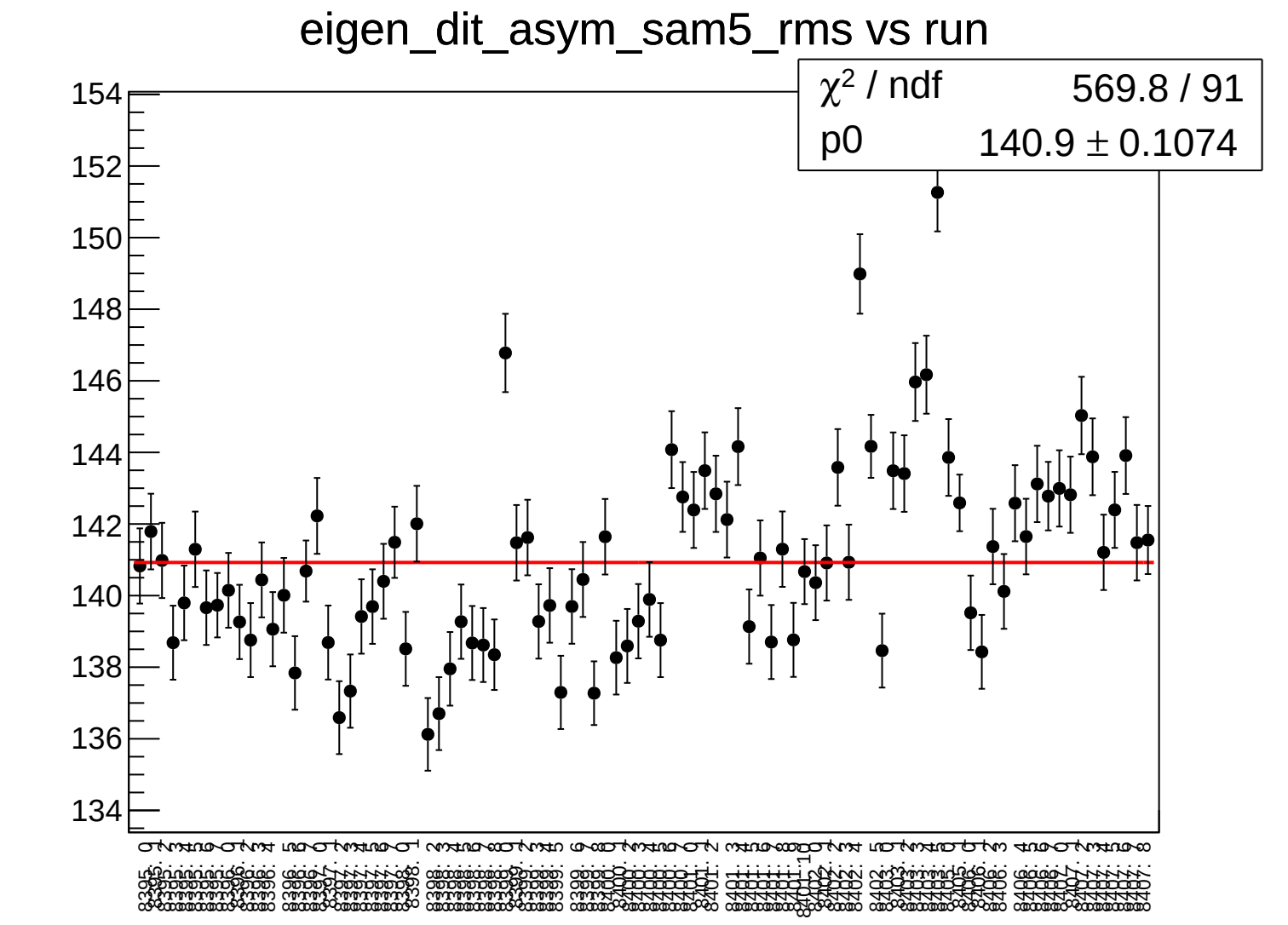

asym_sam5_dit_correction_mean vs run
χ² / ndf 95.82 / 91
p0 −874.7 ± 1043
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −1441
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

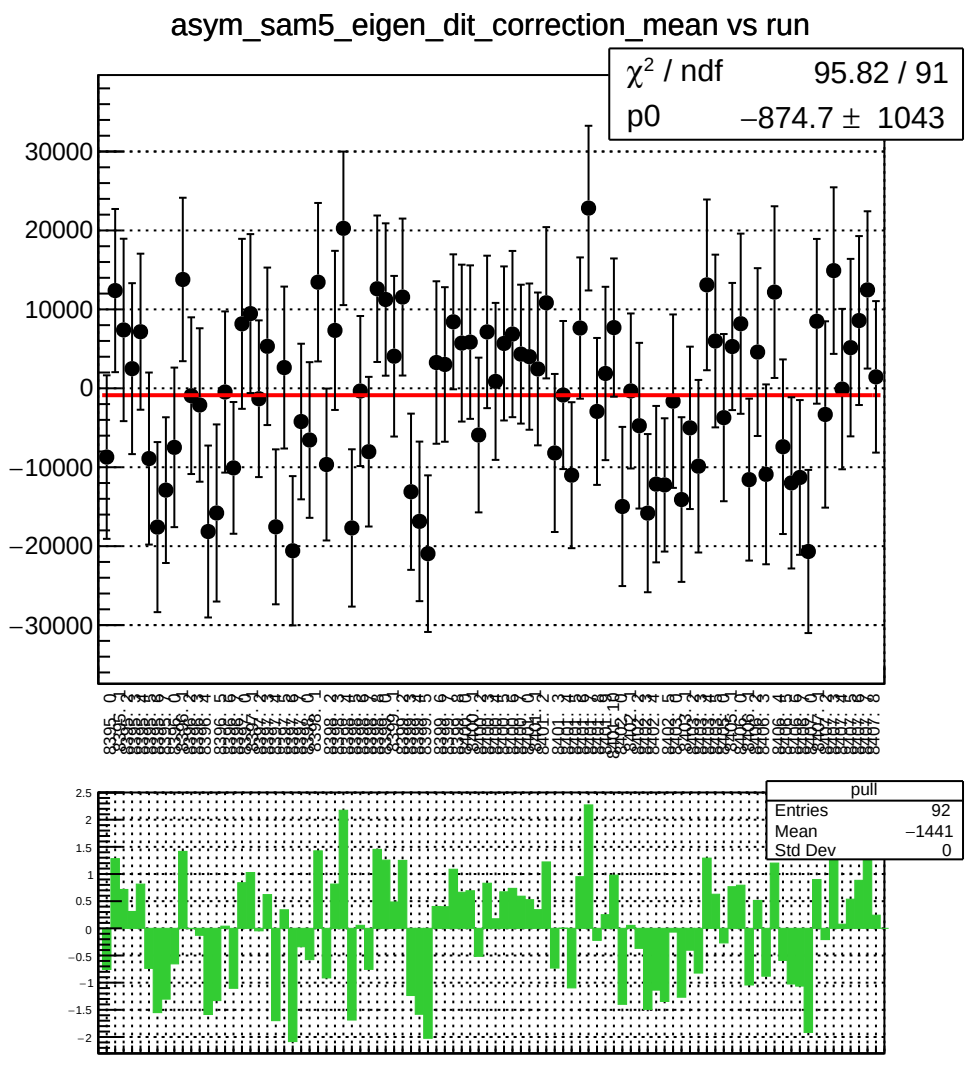

pull1D
Entries 92
Mean −0.001125
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

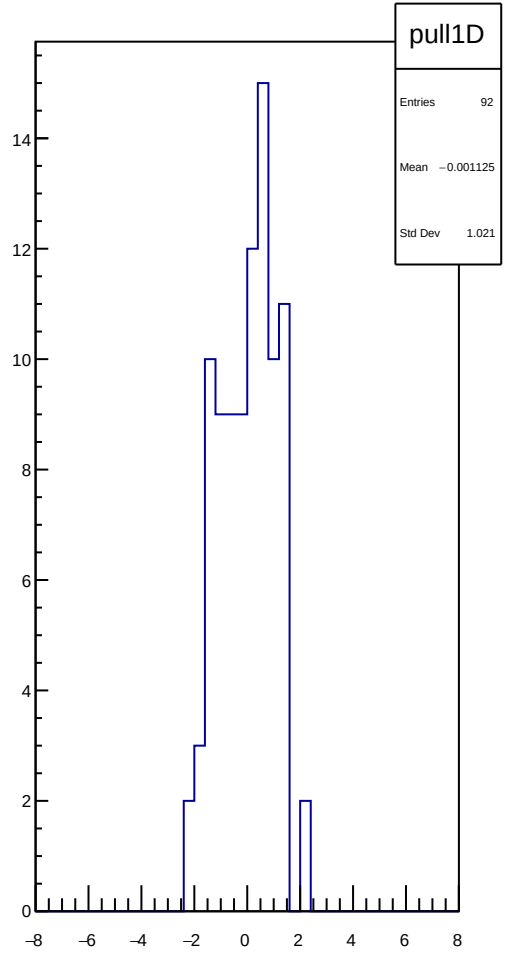

asym_sam5_dit_correction_rms vs run
$\chi^2$ / ndf 5147 / 91
p0 966.5 ± 0.7373
1150
1100
1050
1000
950
900
850

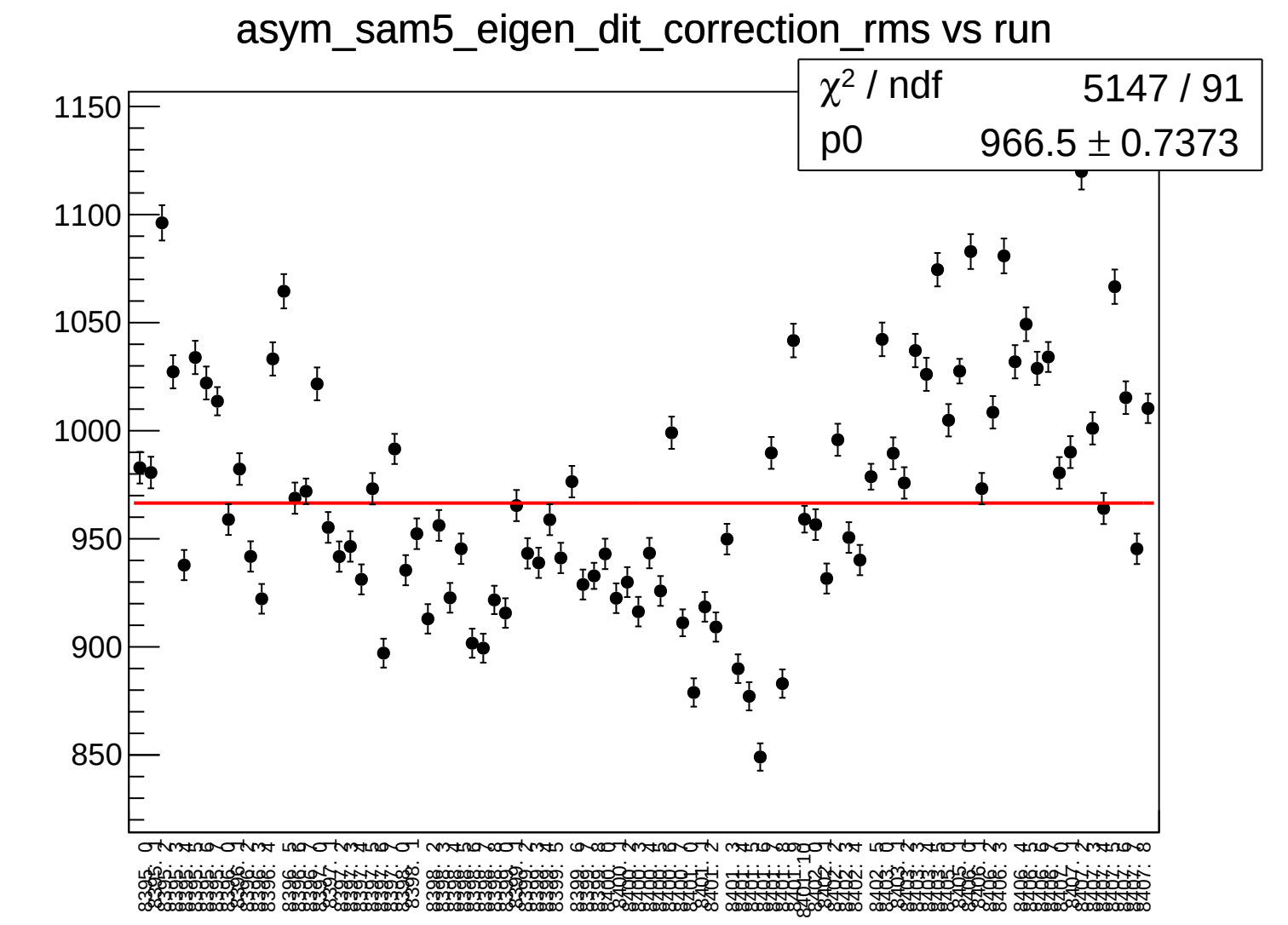

eigen_dit_asym_sam5_mean vs run
χ² / ndf 86.83 / 91
p0 −283.8 ± 151.8
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −82.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

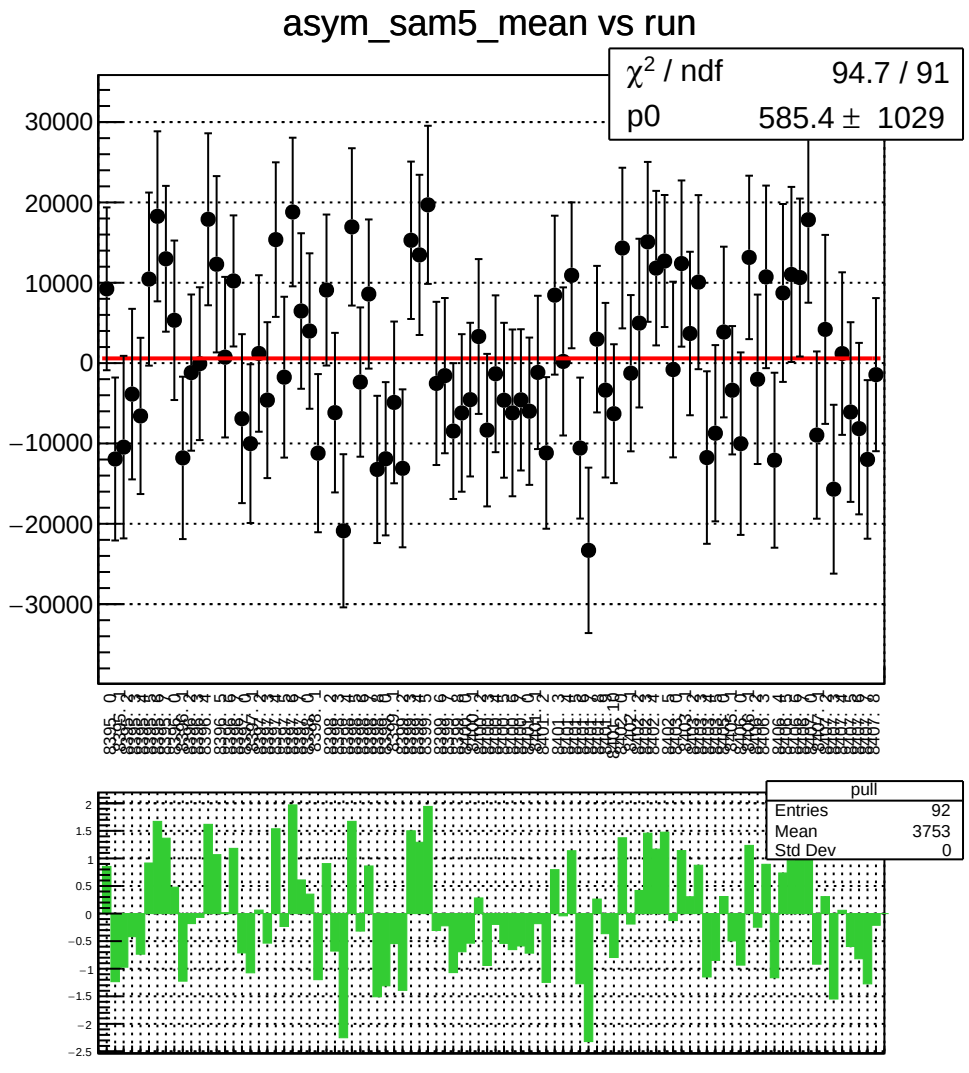

pull1D
Entries 92
Mean −0.01238
Std Dev 0.9714
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

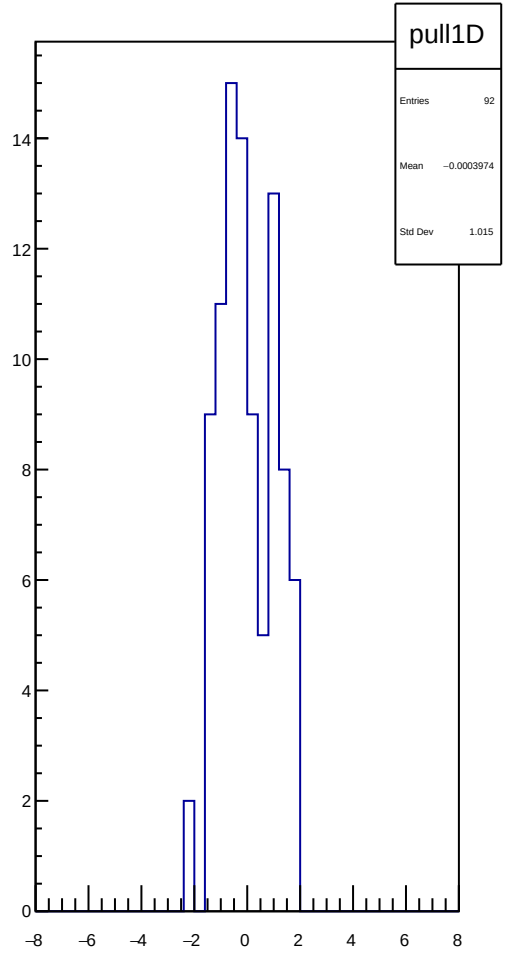

eigen_dit_asym_sam5_rms vs run
$\chi^2$ / ndf 569.8 / 91
p0 140.9 ± 0.1074
154
152
150
148
146
144
142
140
138
136
134

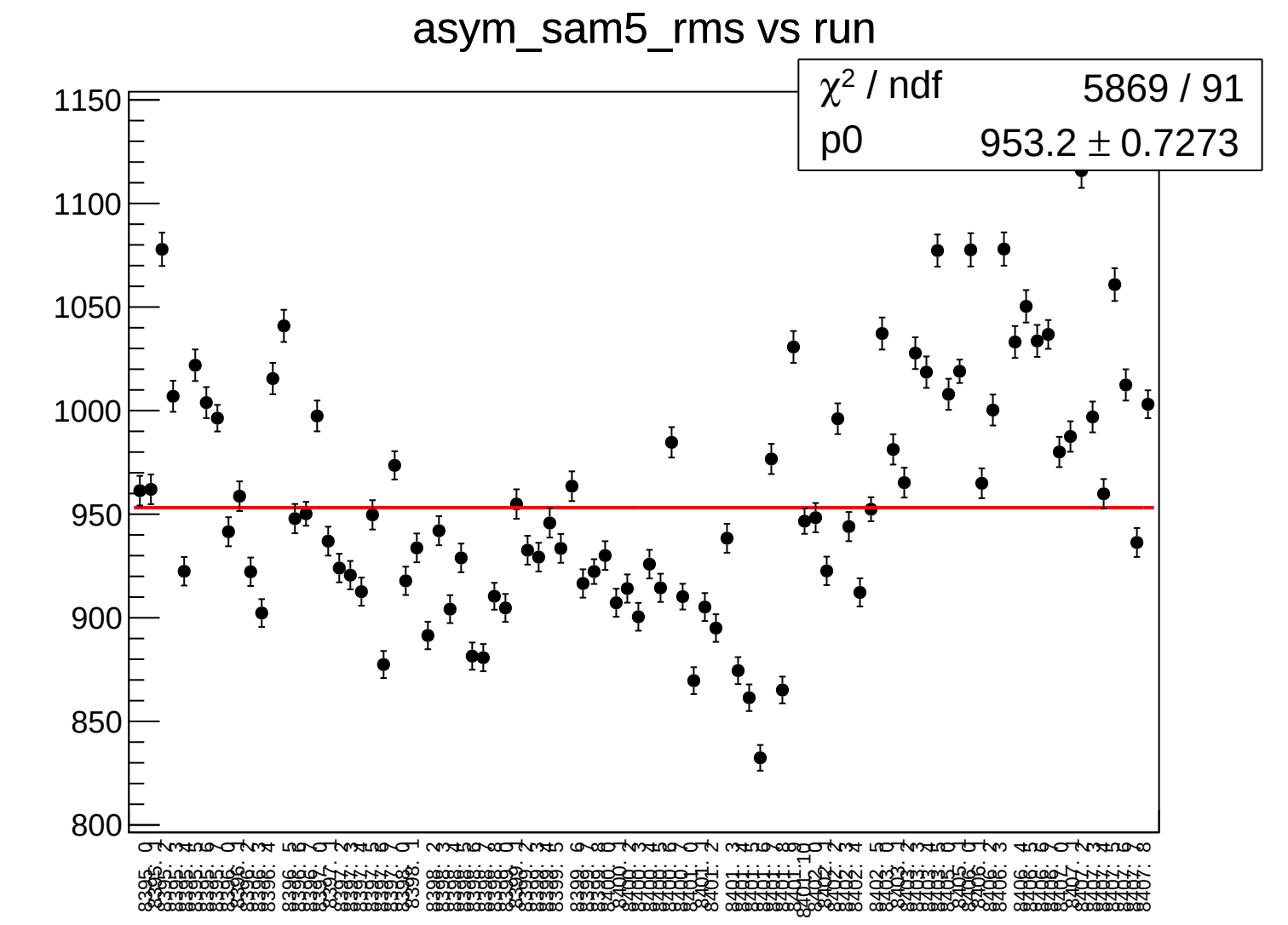

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 95.82 / 91
p0 −874.7 ± 1043
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean −1441
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

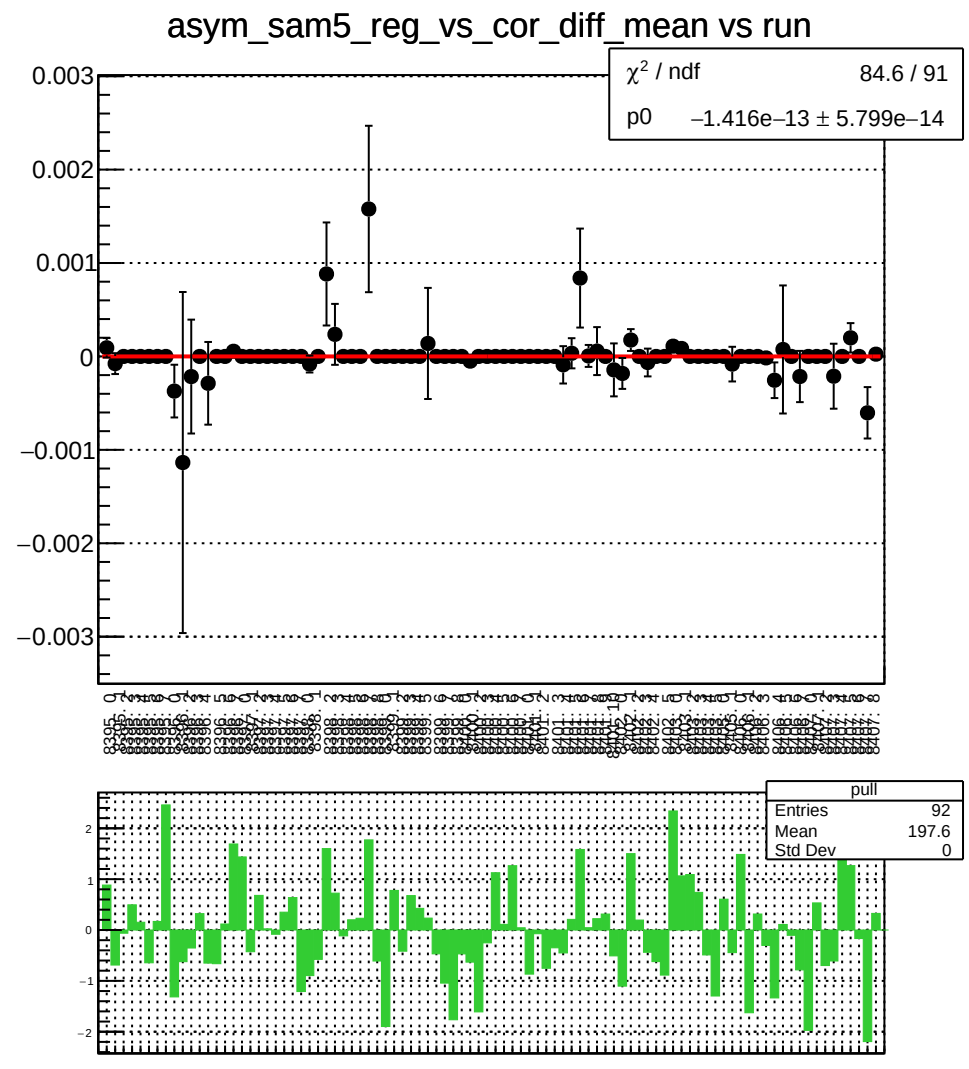

pull1D
Entries 92
Mean −0.001125
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

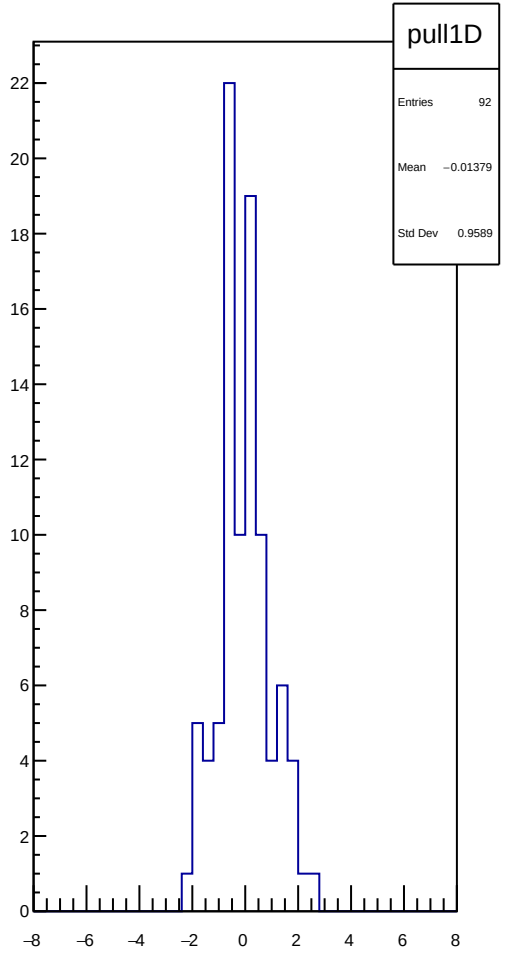

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 5147 / 91
p0 966.5 ± 0.7373
1150
1100
1050
1000
950
900
850

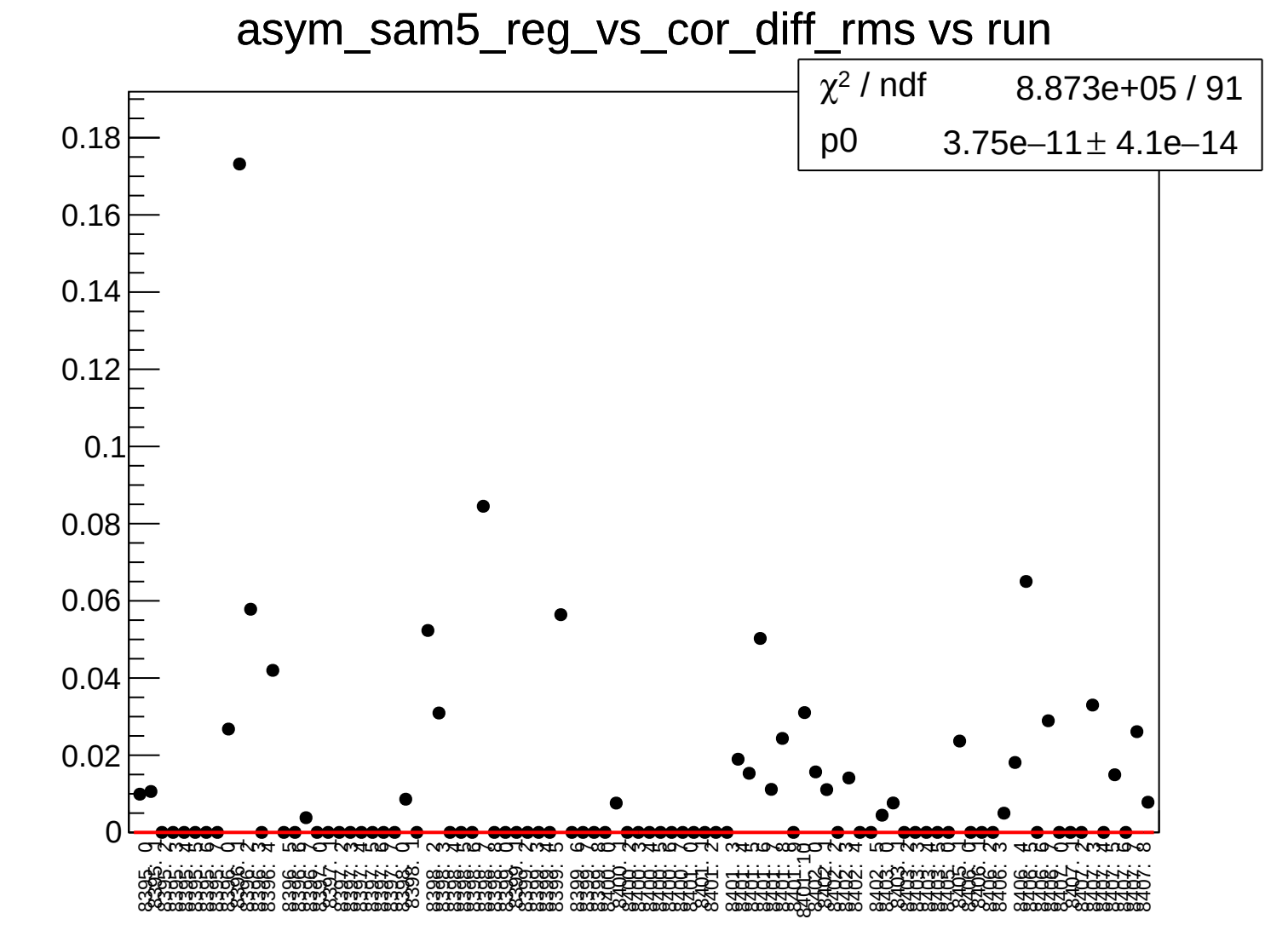

asym_sam5_mean vs run
χ² / ndf 94.7 / 91
p0 585.4 ± 1029
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 3753
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

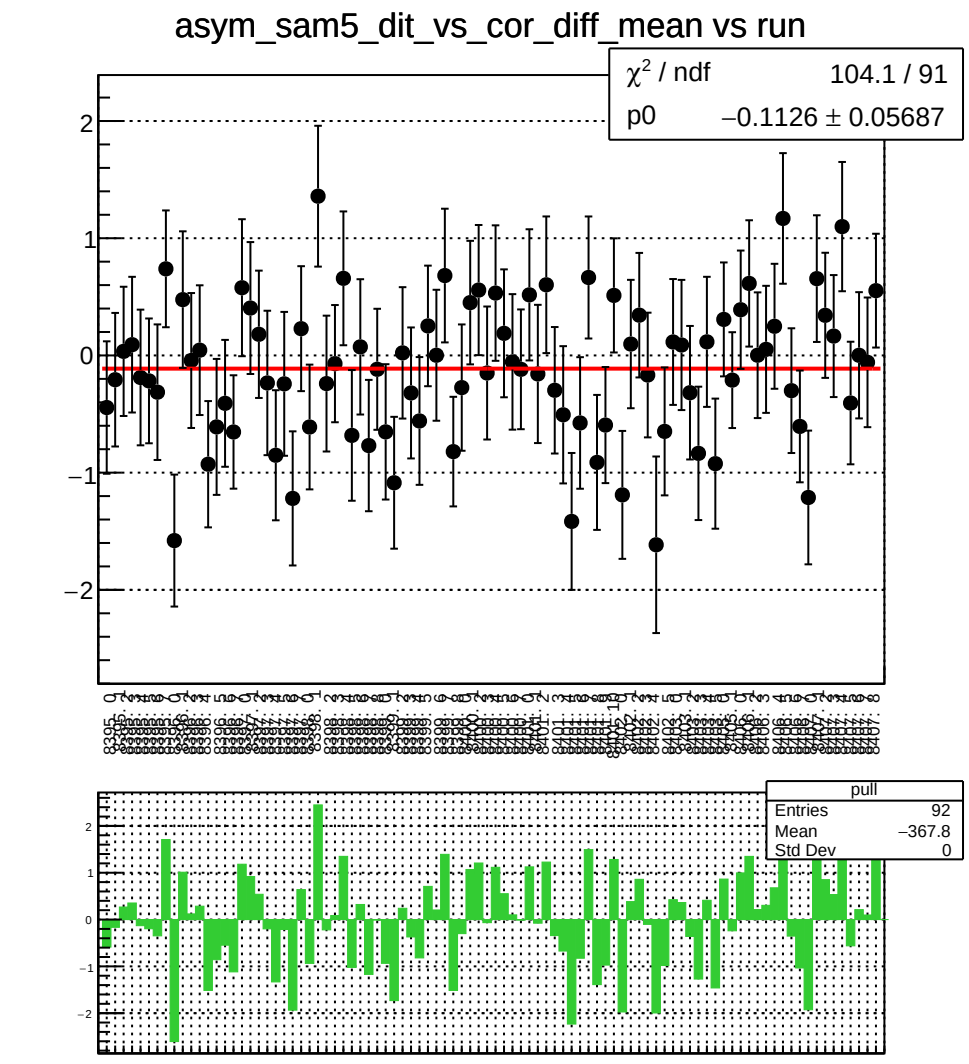

pull1D
Entries 92
Mean −0.0003974
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

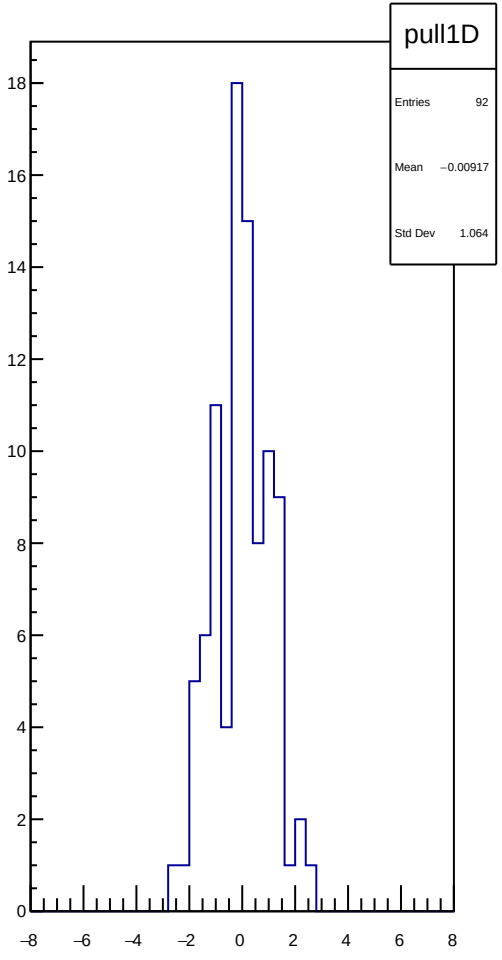

asym_sam5_rms vs run
χ² / ndf 5869 / 91
p0 953.2 ± 0.7273
1150
1100
1050
1000
950
900
850
800

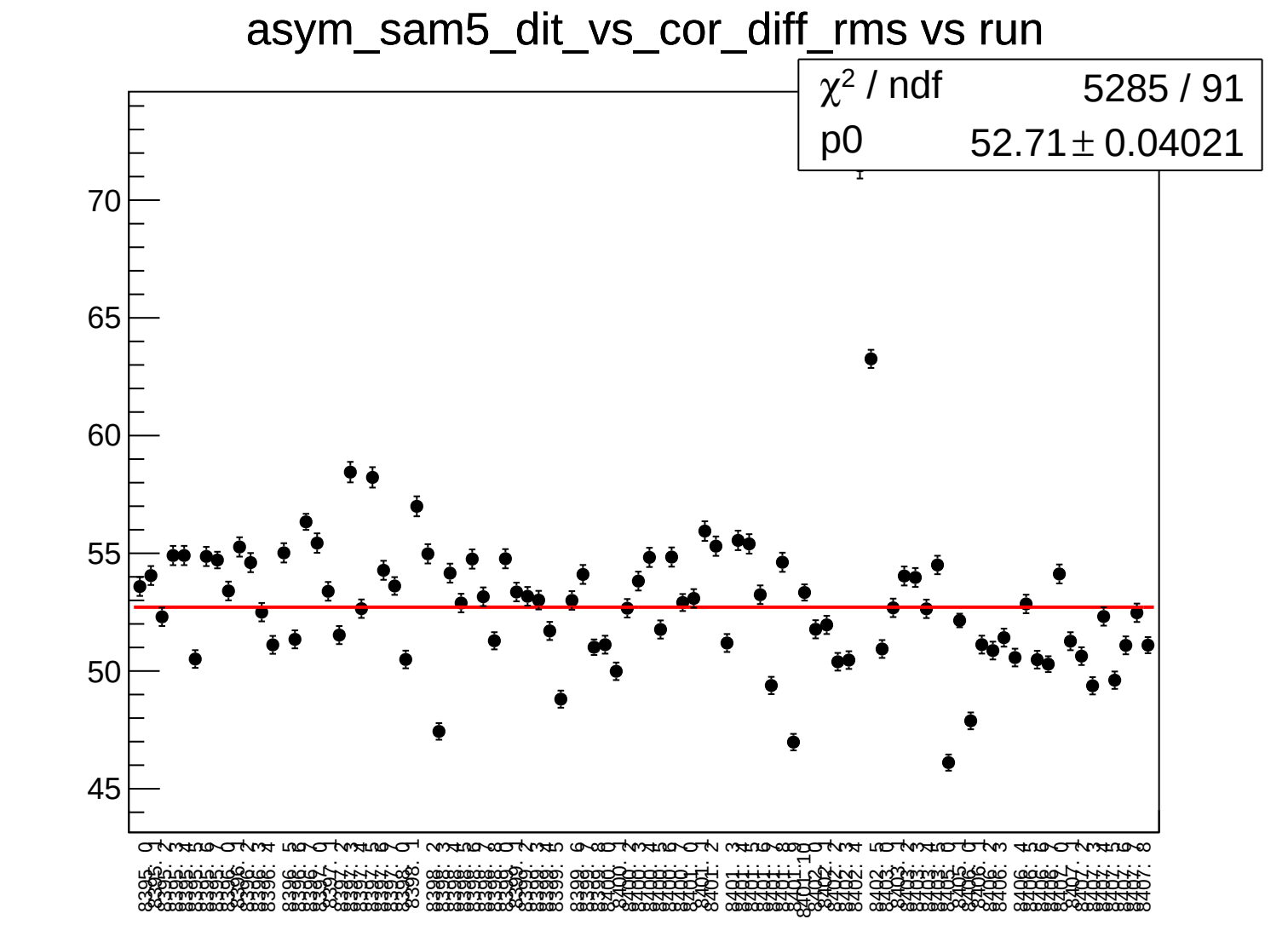

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 84.6 / 91
p0 −1.416e−13 ± 5.799e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 92
Mean 197.6
Std Dev 0
2
1
0
−1
−2

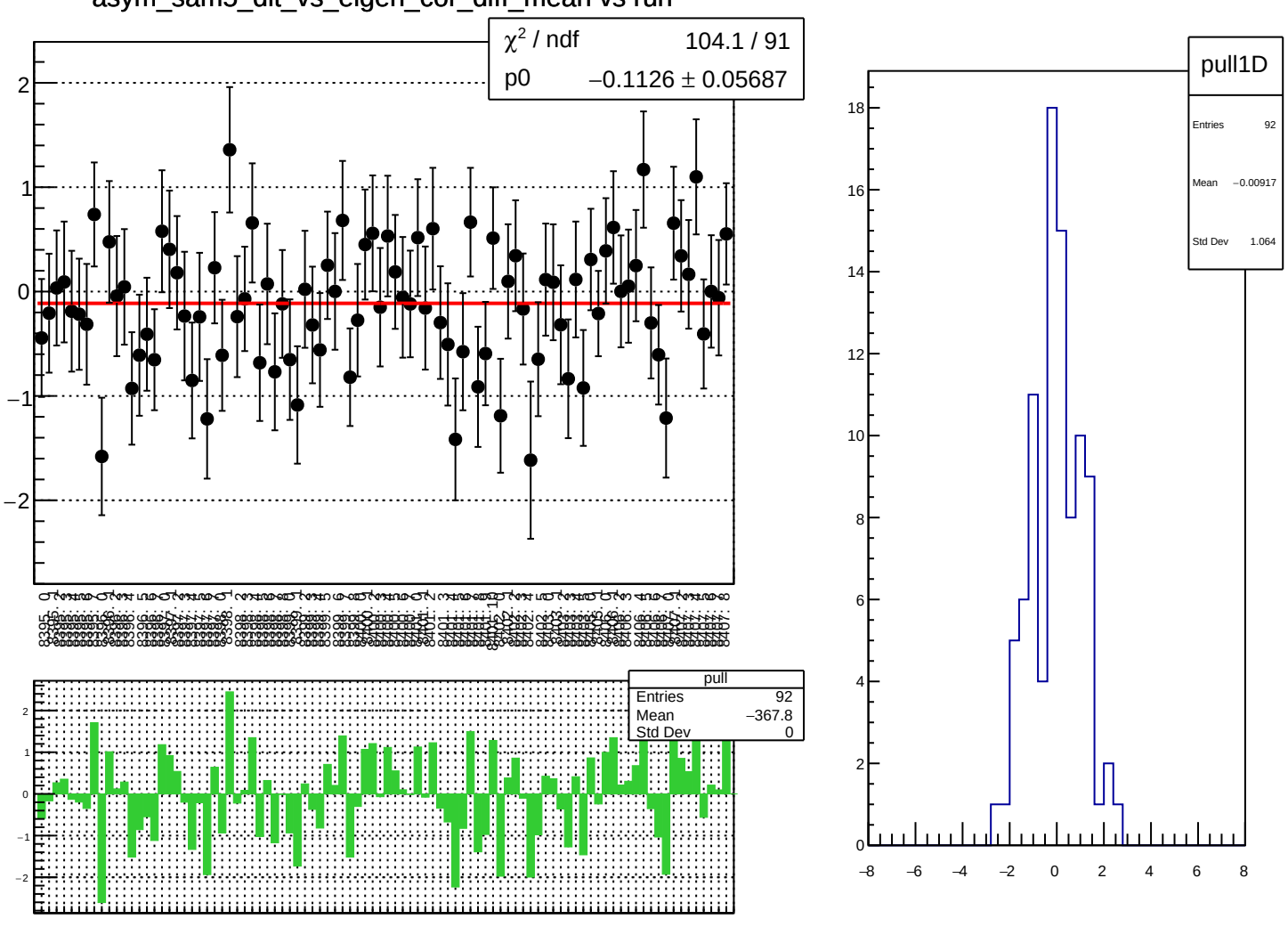

pull1D
Entries 92
Mean −0.01379
Std Dev 0.9589
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

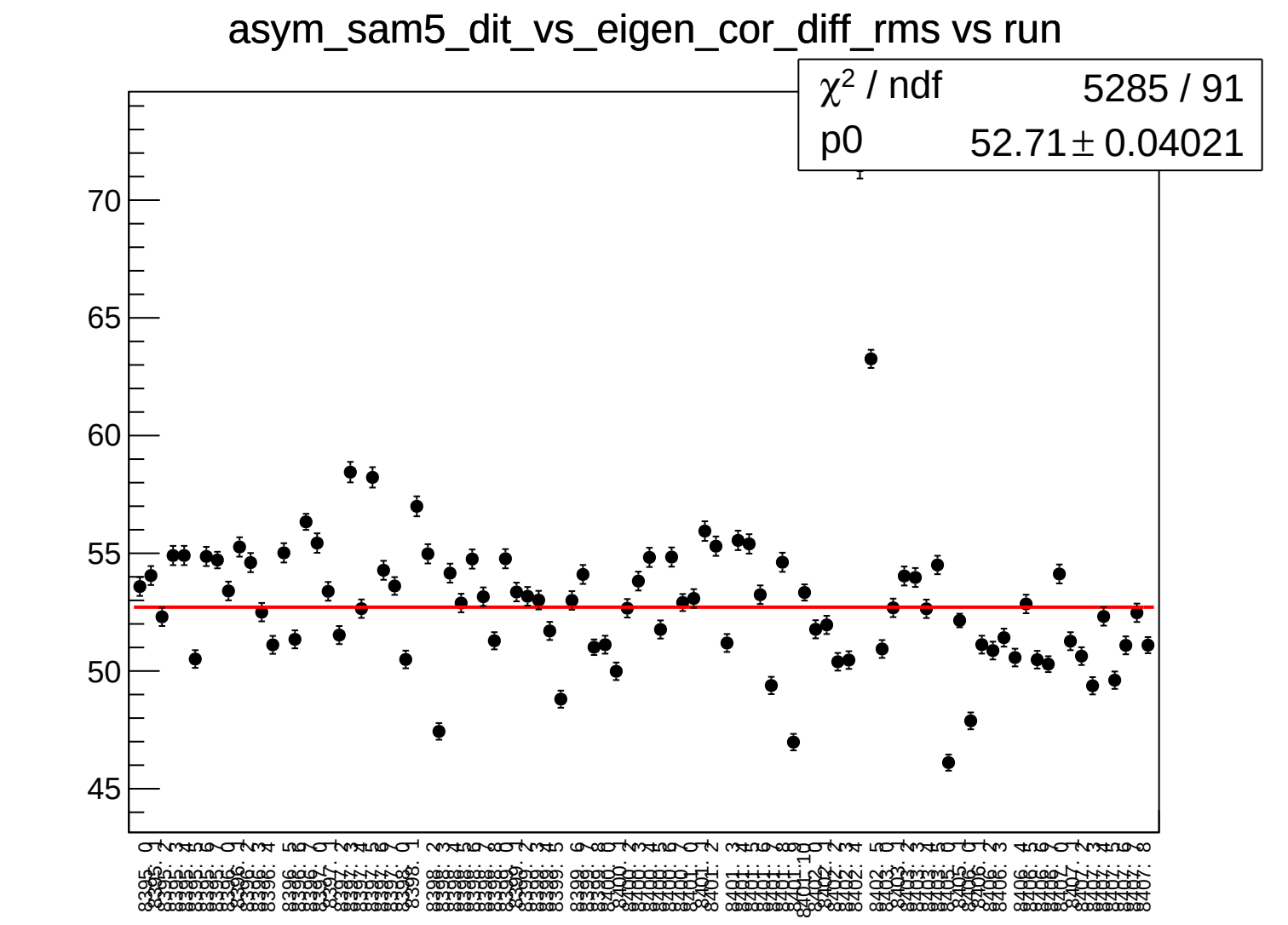

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 8.873e+05 / 91
p0 3.75e−11 ± 4.1e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

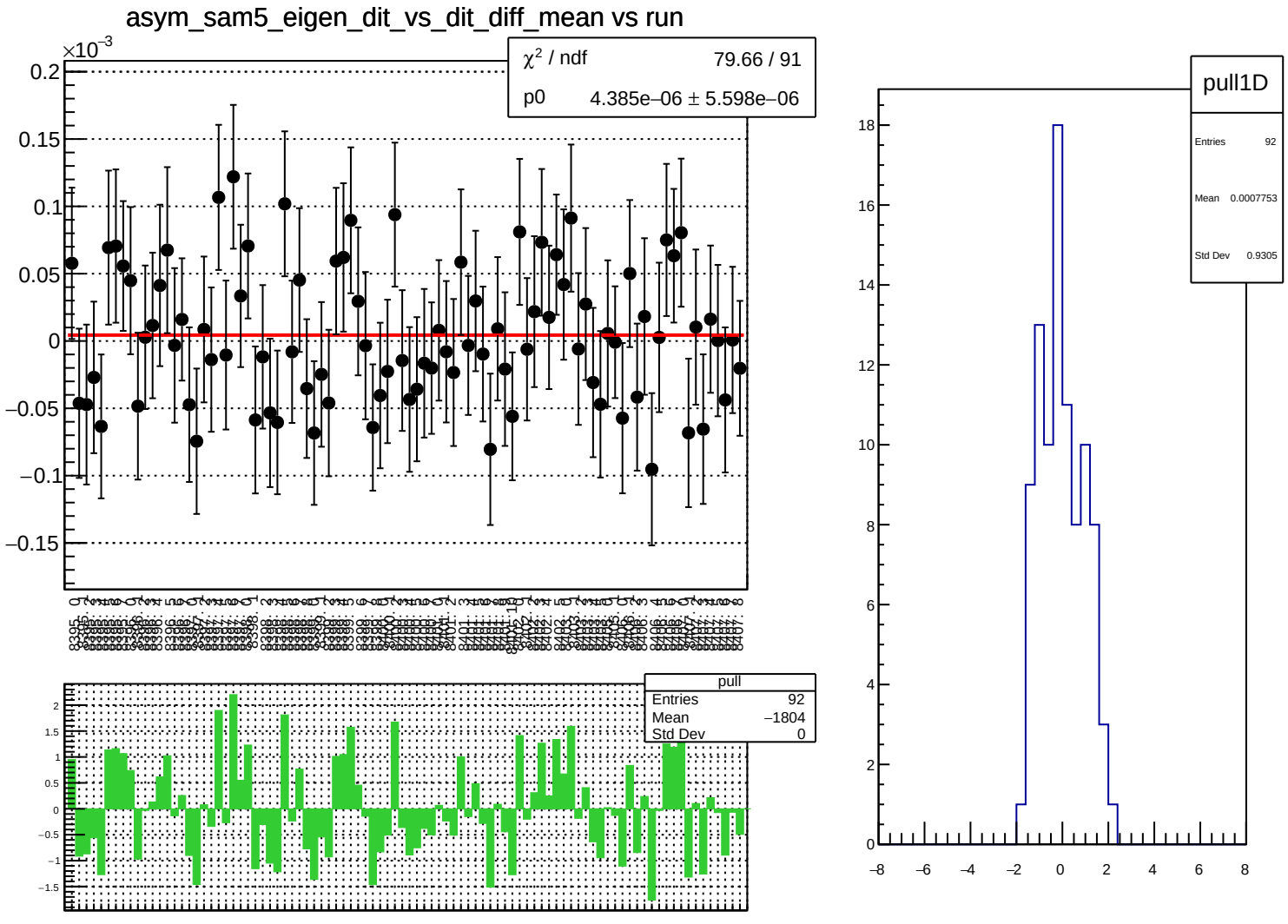

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1126 ± 0.05687
pull
Entries 92
Mean −367.8
Std Dev 0

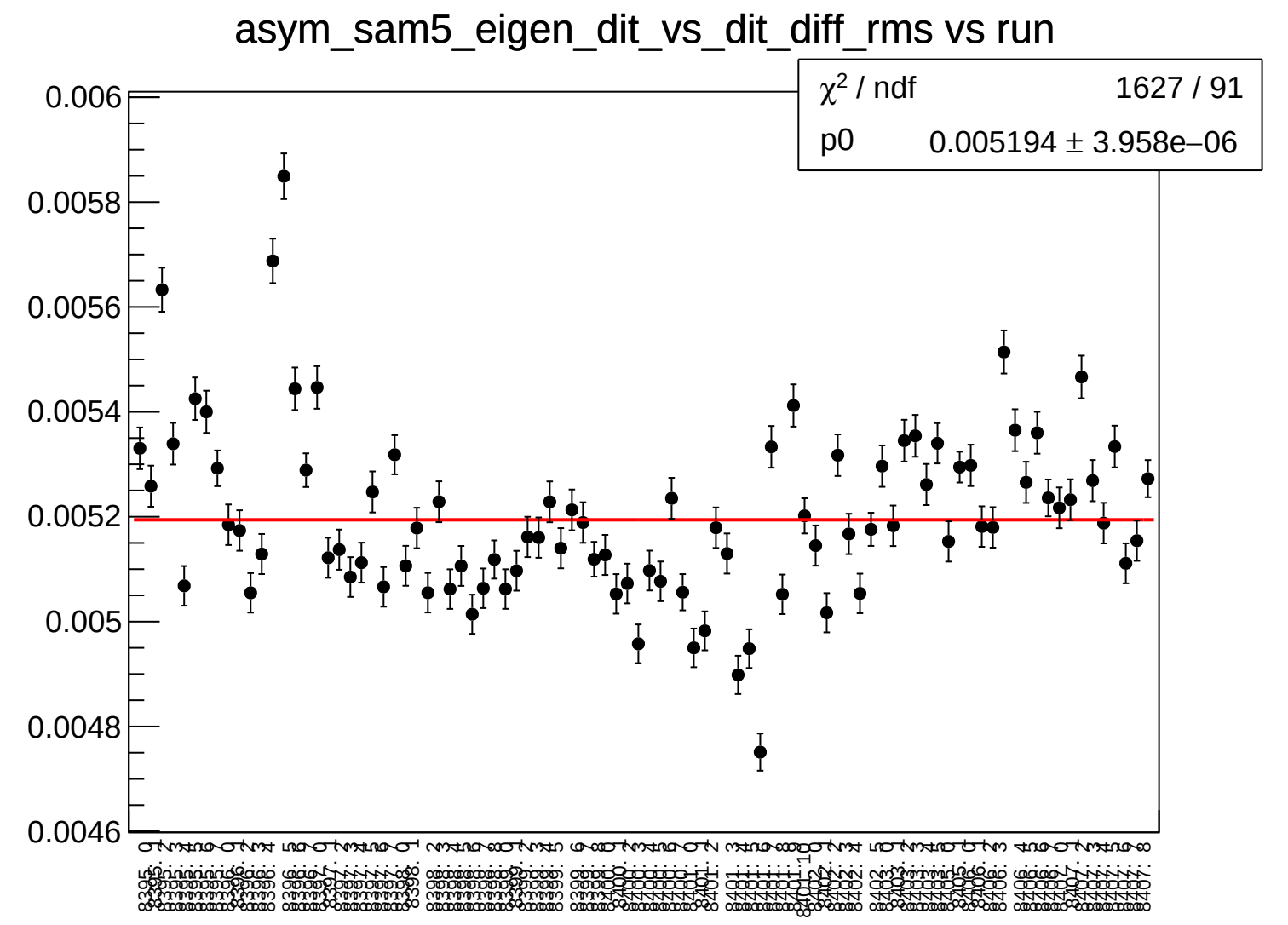

pull1D
Entries 92
Mean −0.00917
Std Dev 1.064

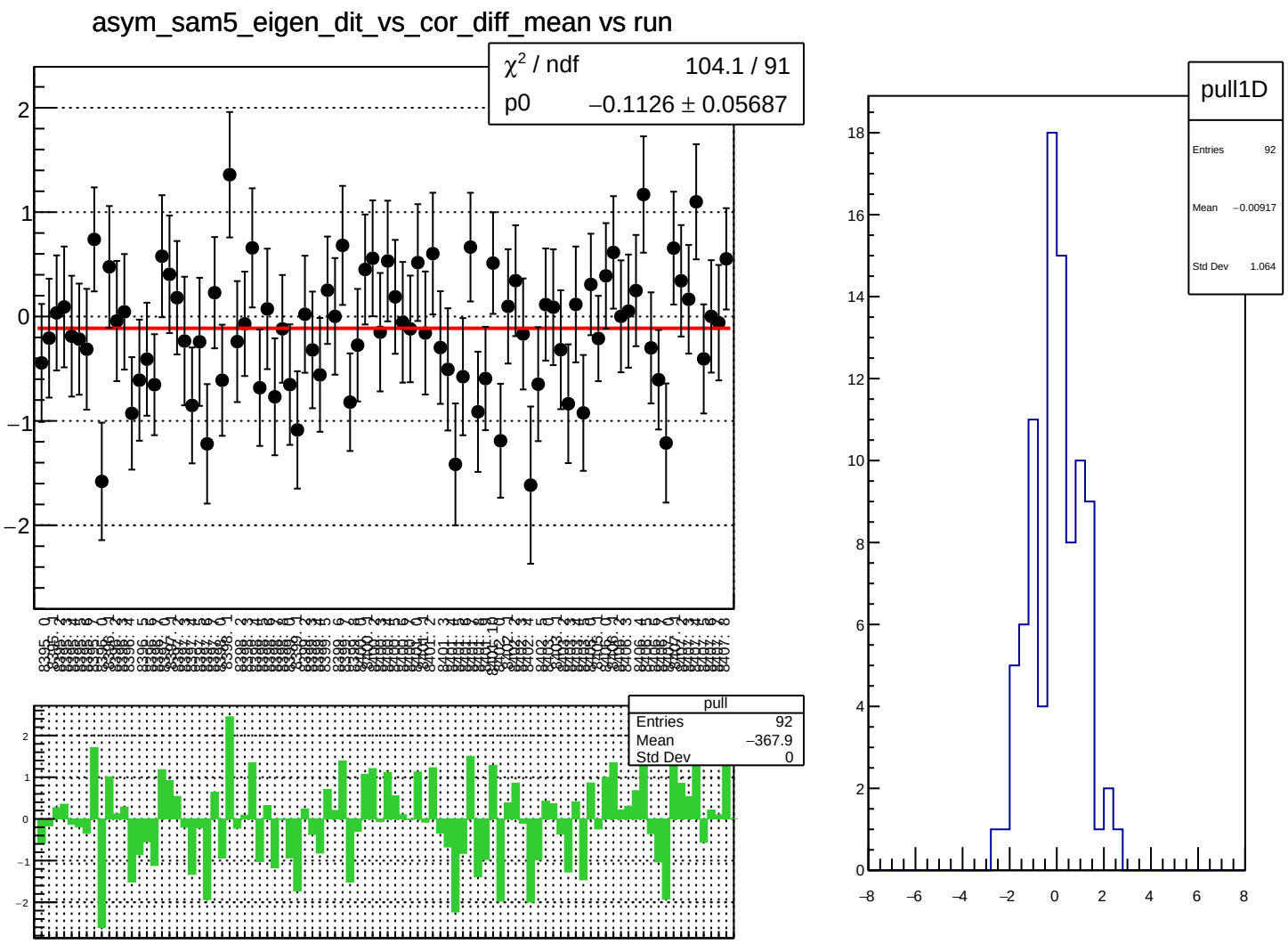

asym_sam5_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 5285 / 91
p0 52.71 ± 0.04021
70
65
60
55
50
45

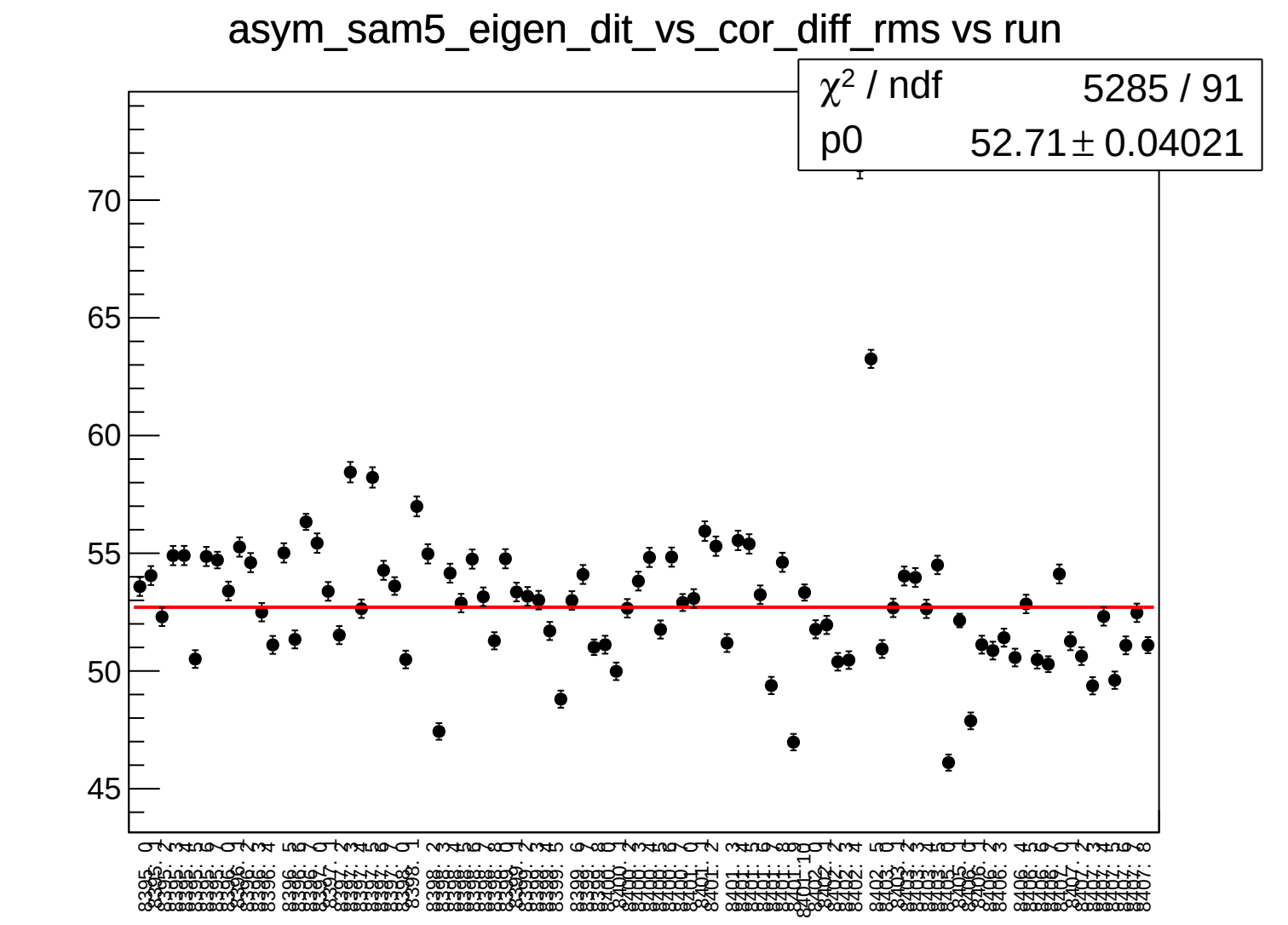

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1126 ± 0.05687
pull
Entries 92
Mean −367.8
Std Dev 0
pull1D
Entries 92
Mean −0.00917
Std Dev 1.064

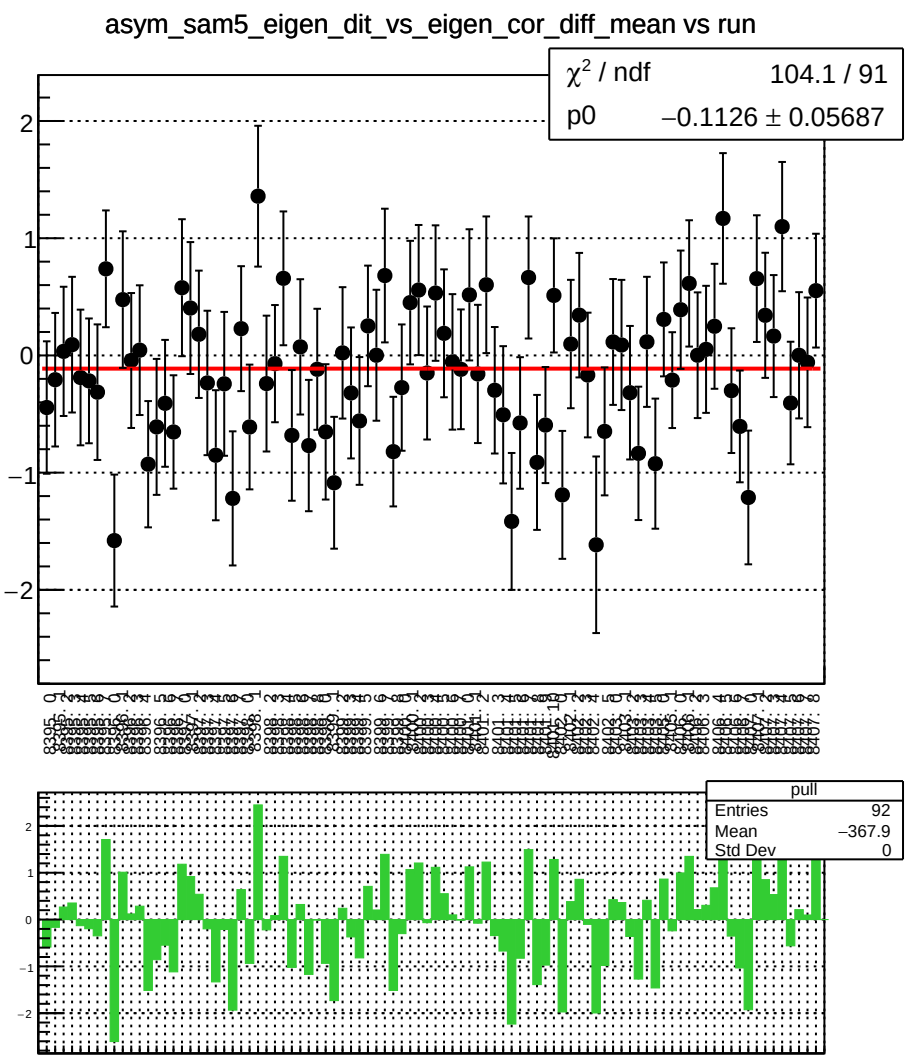

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5285 / 91
p0 52.71 ± 0.04021
70
65
60
55
50
45

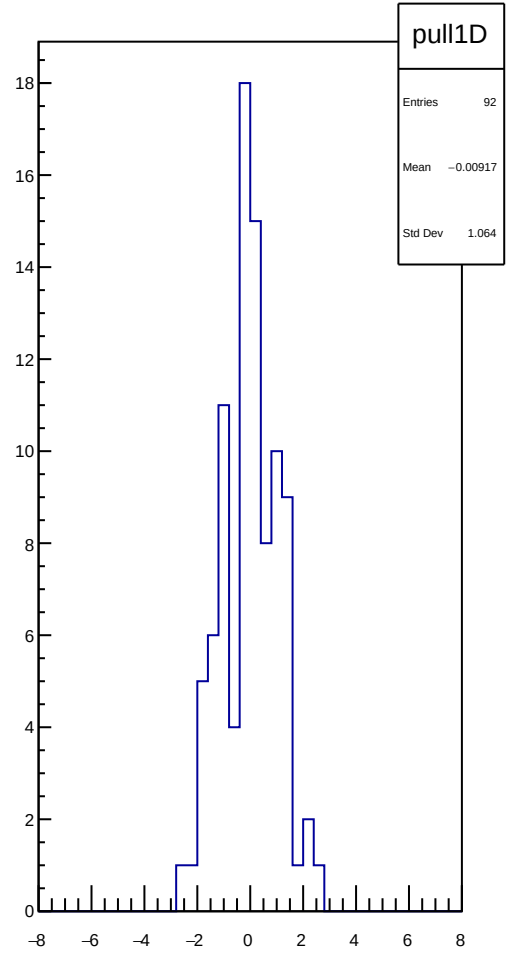

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.66 / 91
p0 4.385e−06 ± 5.598e−06
pull
Entries 92
Mean −1804
Std Dev 0
pull1D
Entries 92
Mean 0.0007753
Std Dev 0.9305

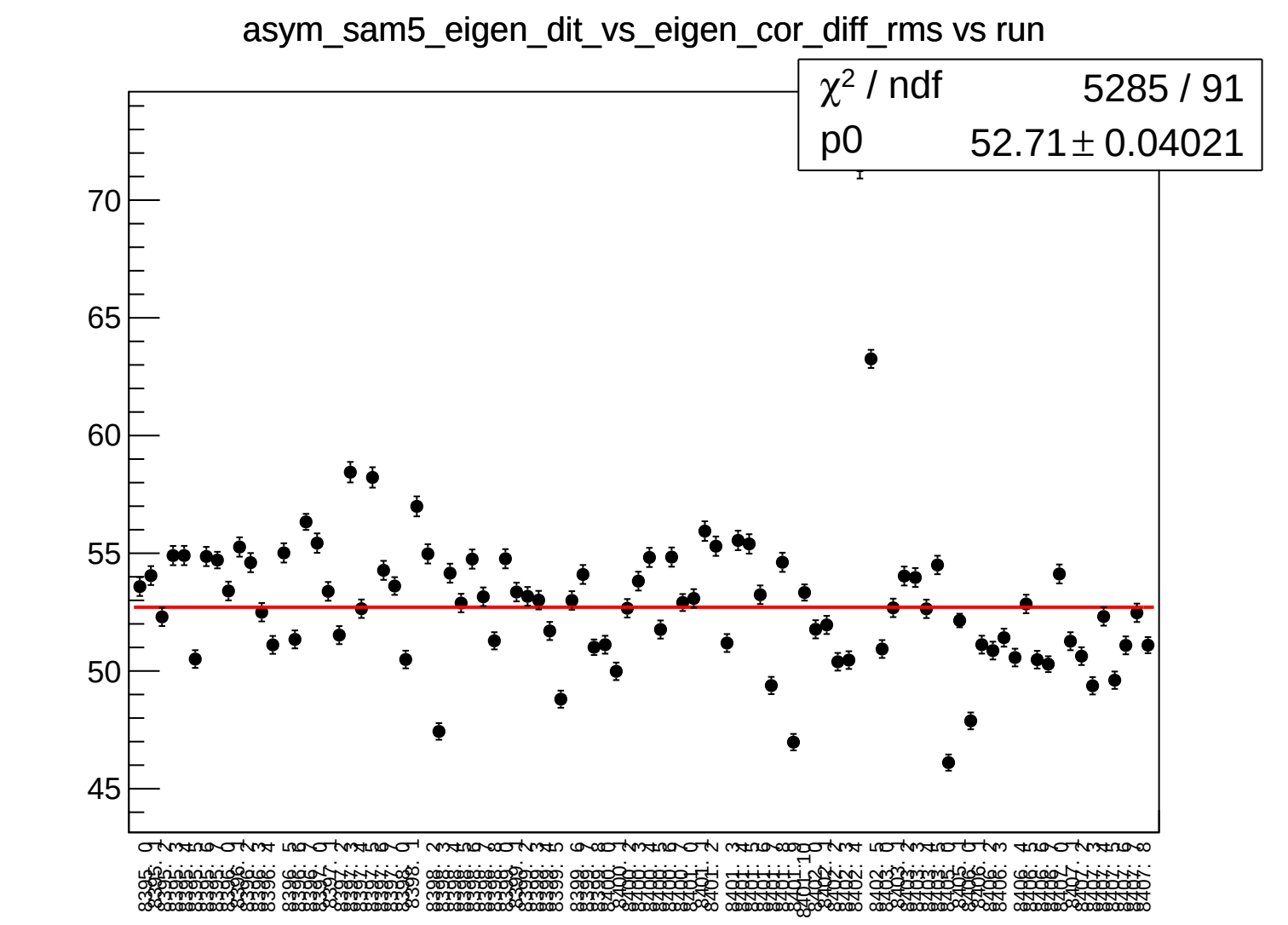

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1627 / 91
p0 0.005194 ± 3.958e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046

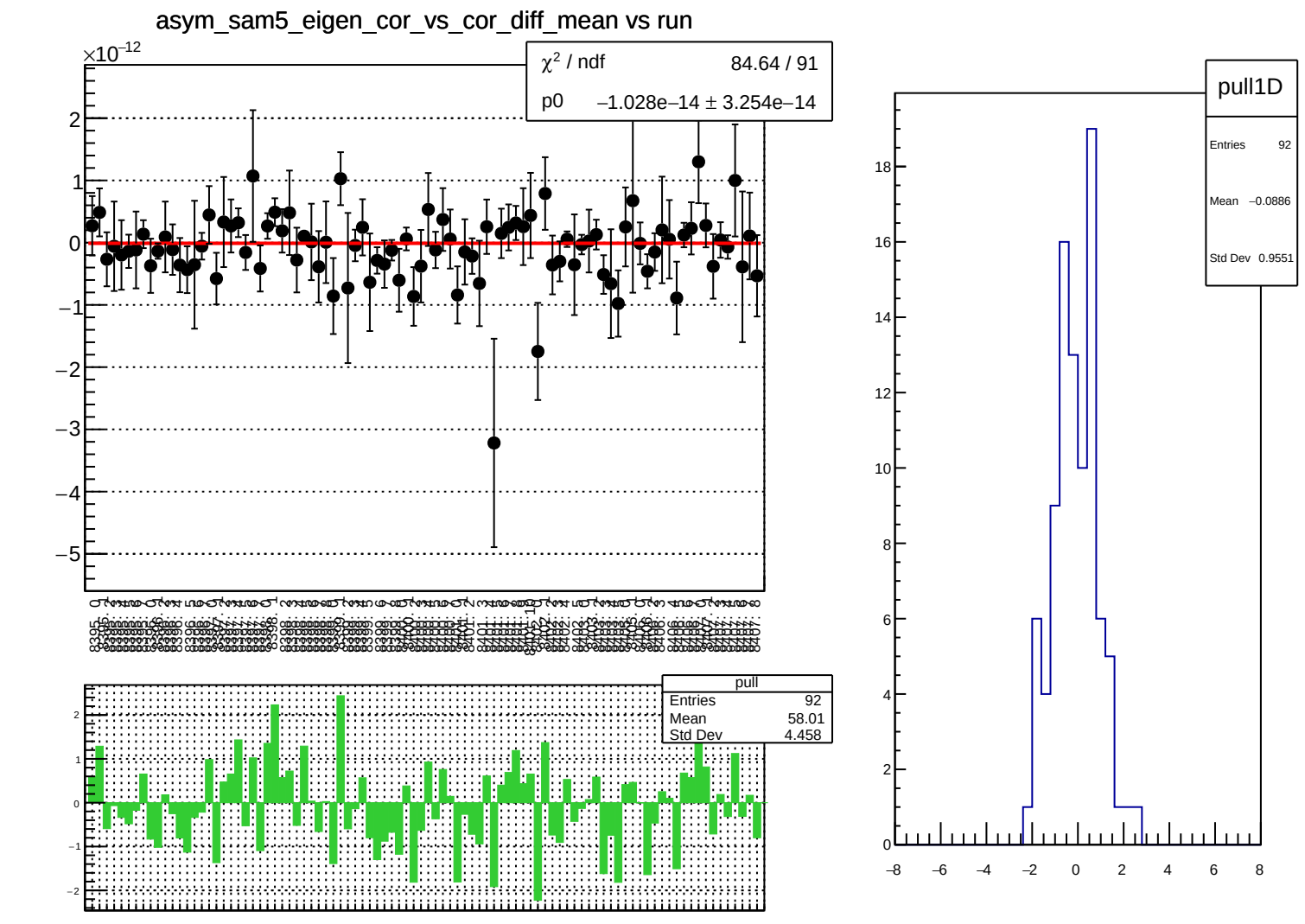

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1126 ± 0.05687
pull
Entries 92
Mean −367.9
Std Dev 0
pull1D
Entries 92
Mean −0.00917
Std Dev 1.064

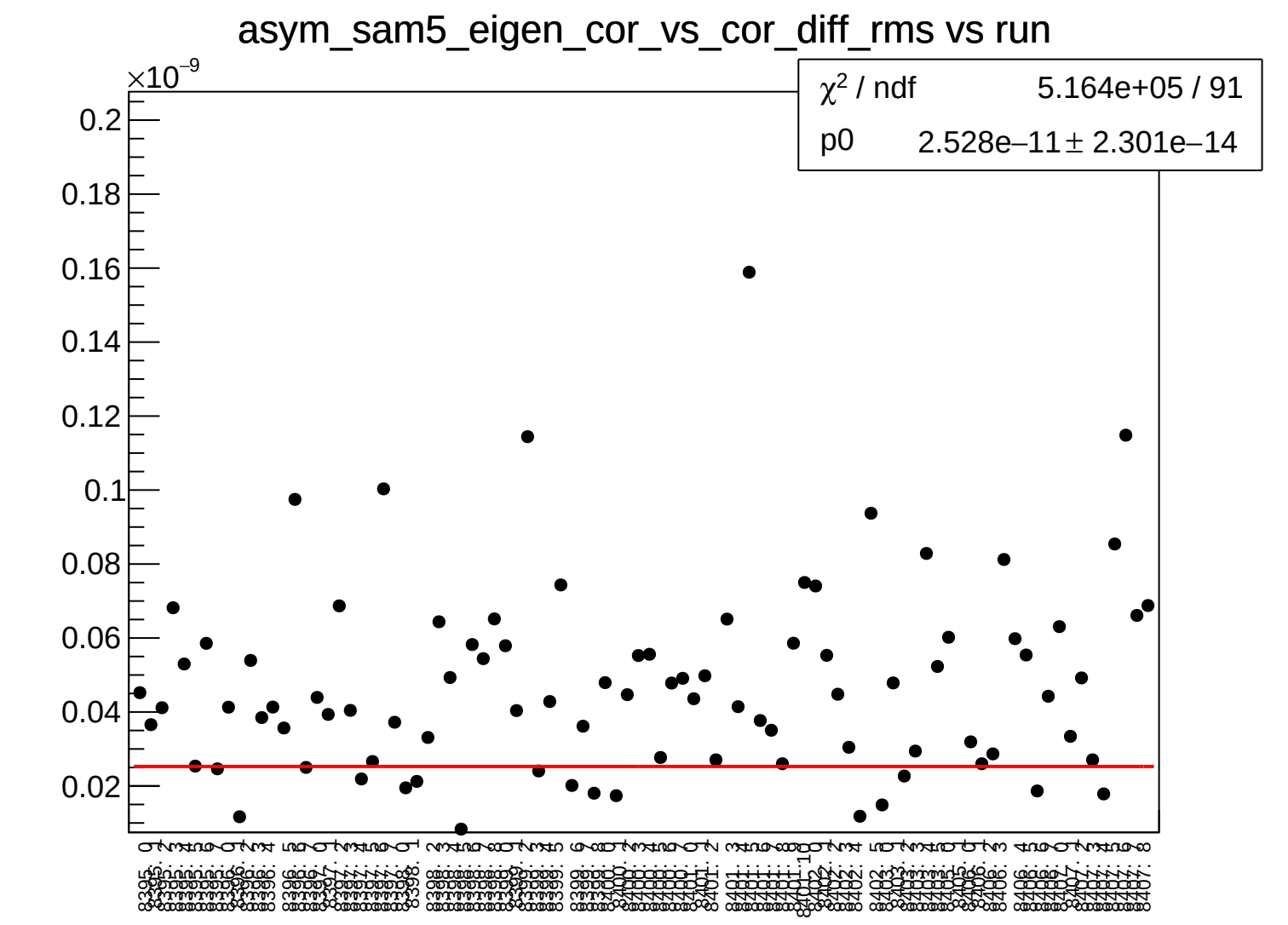

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5285 / 91
p0 52.71 ± 0.04021
70
65
60
55
50
45

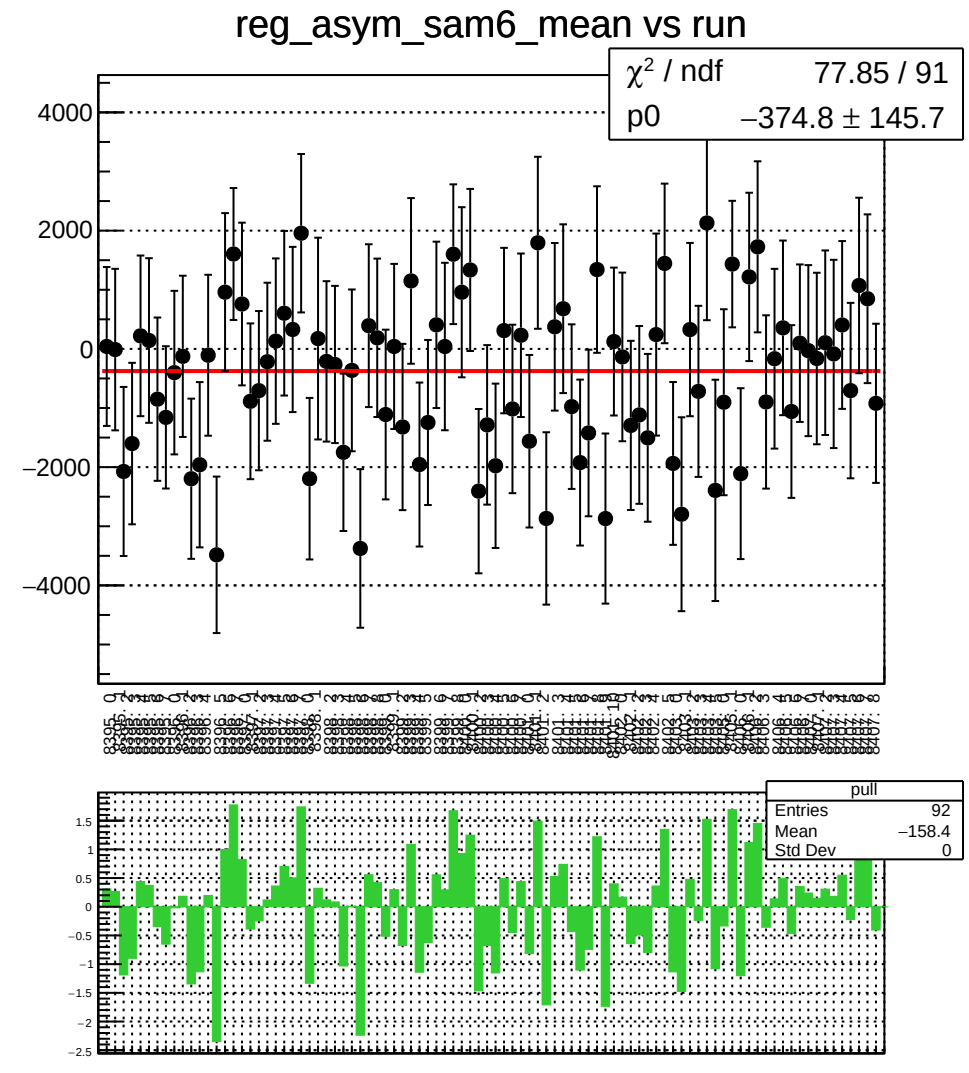

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.1 / 91
p0 −0.1126 ± 0.05687
pull
Entries 92
Mean −367.9
Std Dev 0

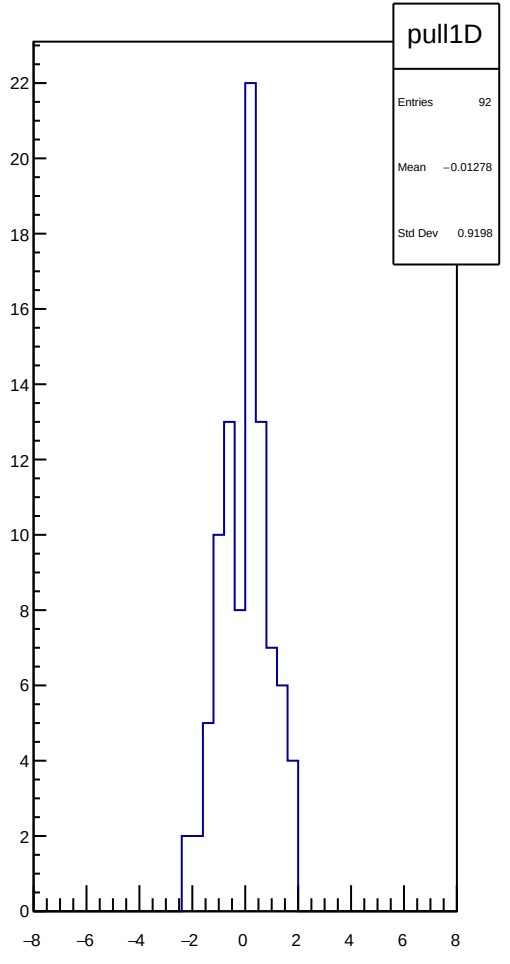

pull1D
Entries 92
Mean −0.00917
Std Dev 1.064

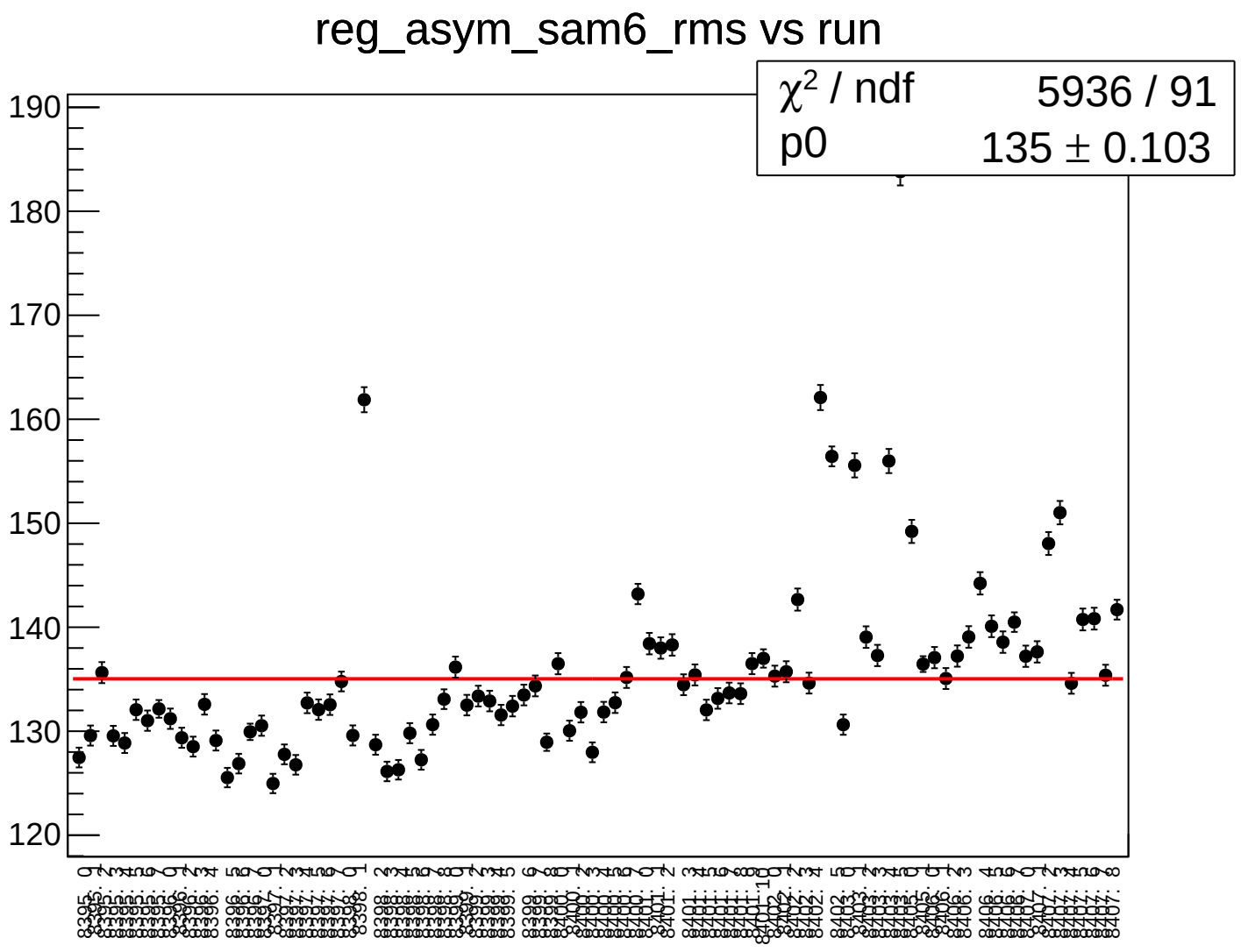

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5285 / 91
p0 52.71 ± 0.04021
70
65
60
55
50
45

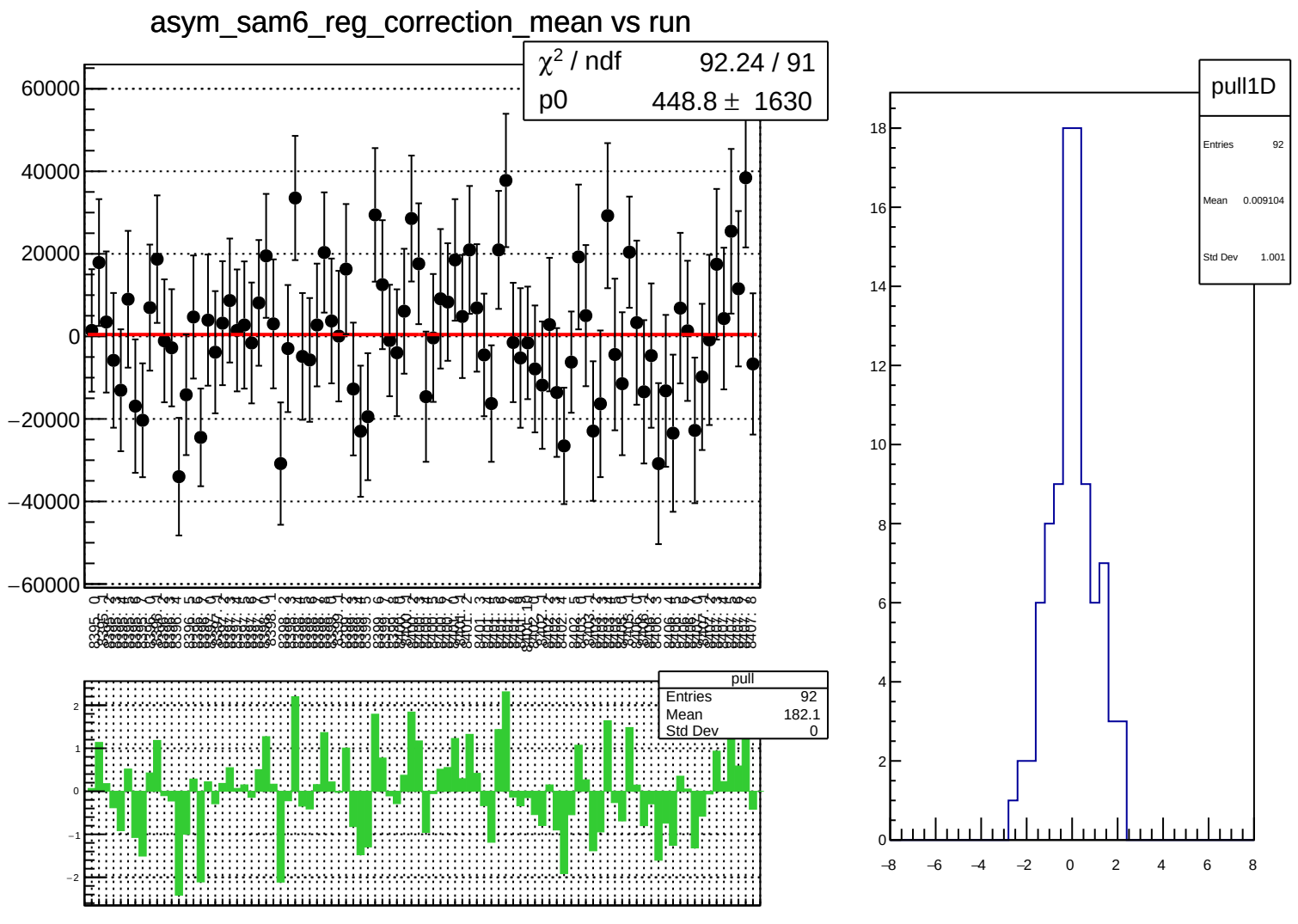

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.64 / 91
p0 −1.028e−14 ± 3.254e−14
pull
Entries 92
Mean 58.01
Std Dev 4.458
pull1D
Entries 92
Mean −0.0886
Std Dev 0.9551

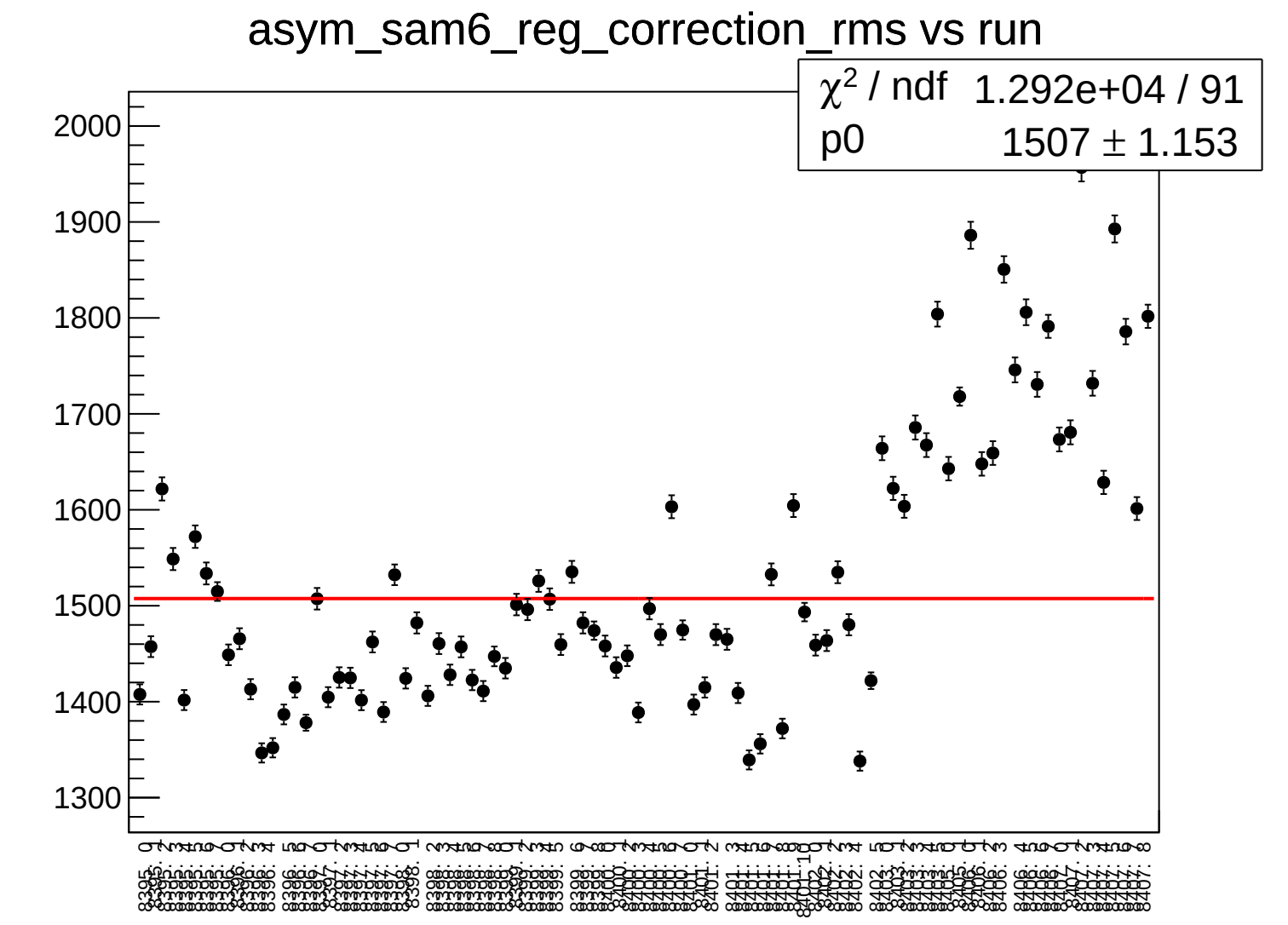

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.164e+05 / 91
p0 2.528e−11 ± 2.301e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

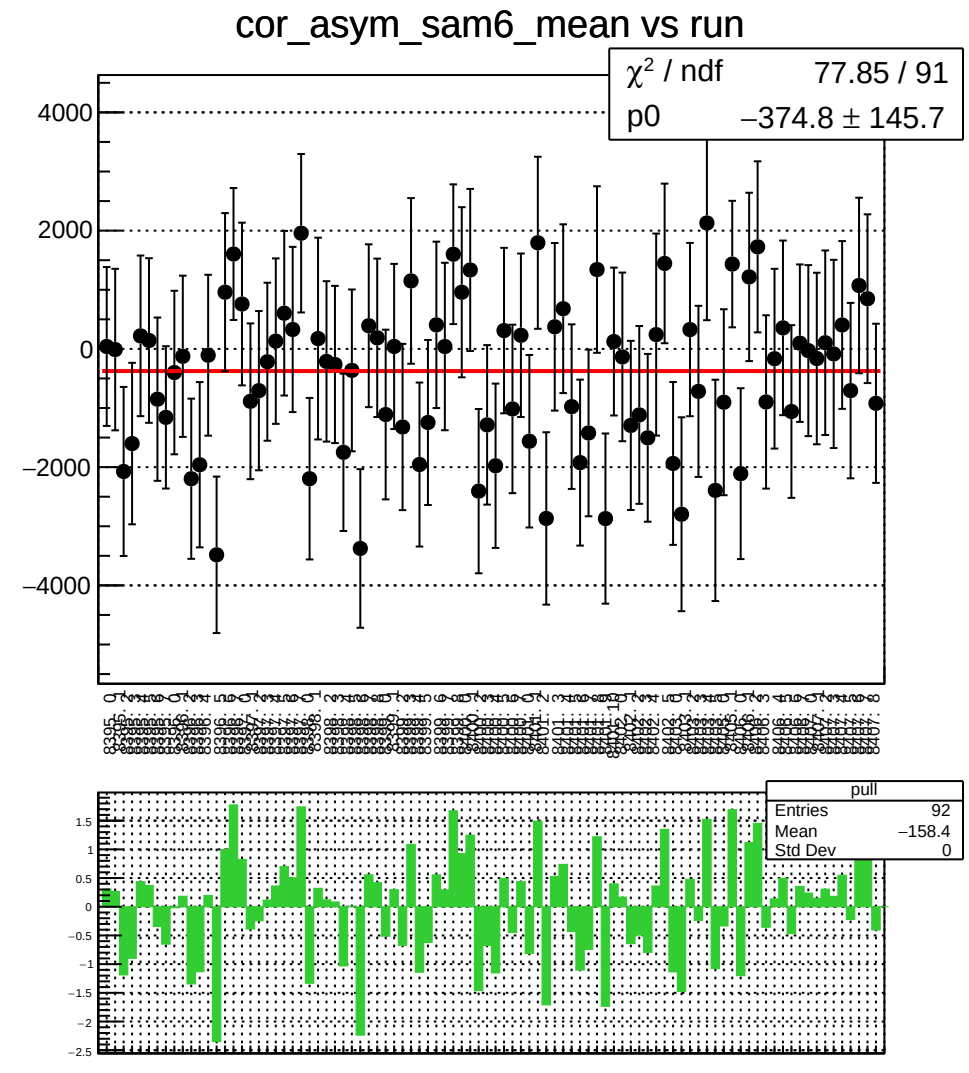

reg_asym_sam6_mean vs run
χ² / ndf 77.85 / 91
p0 −374.8 ± 145.7
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −158.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

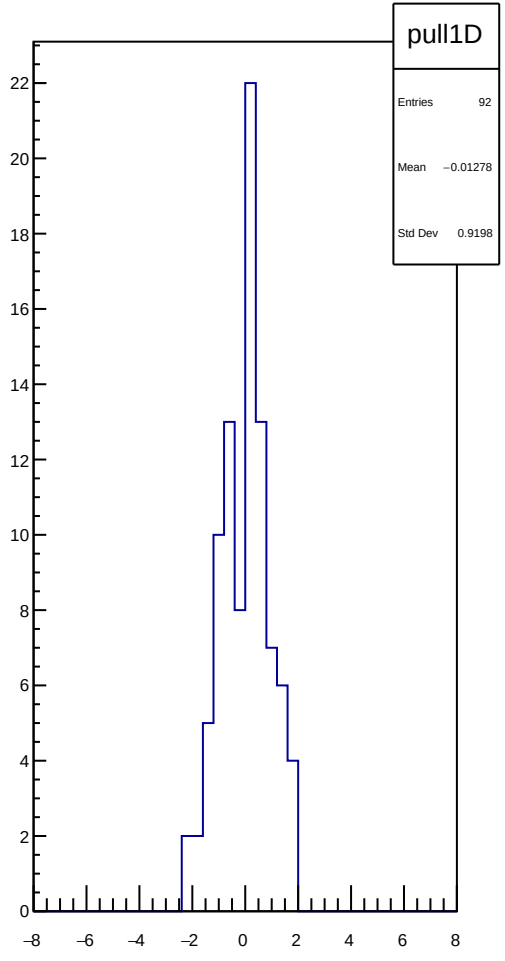

pull1D
Entries 92
Mean −0.01278
Std Dev 0.9198
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

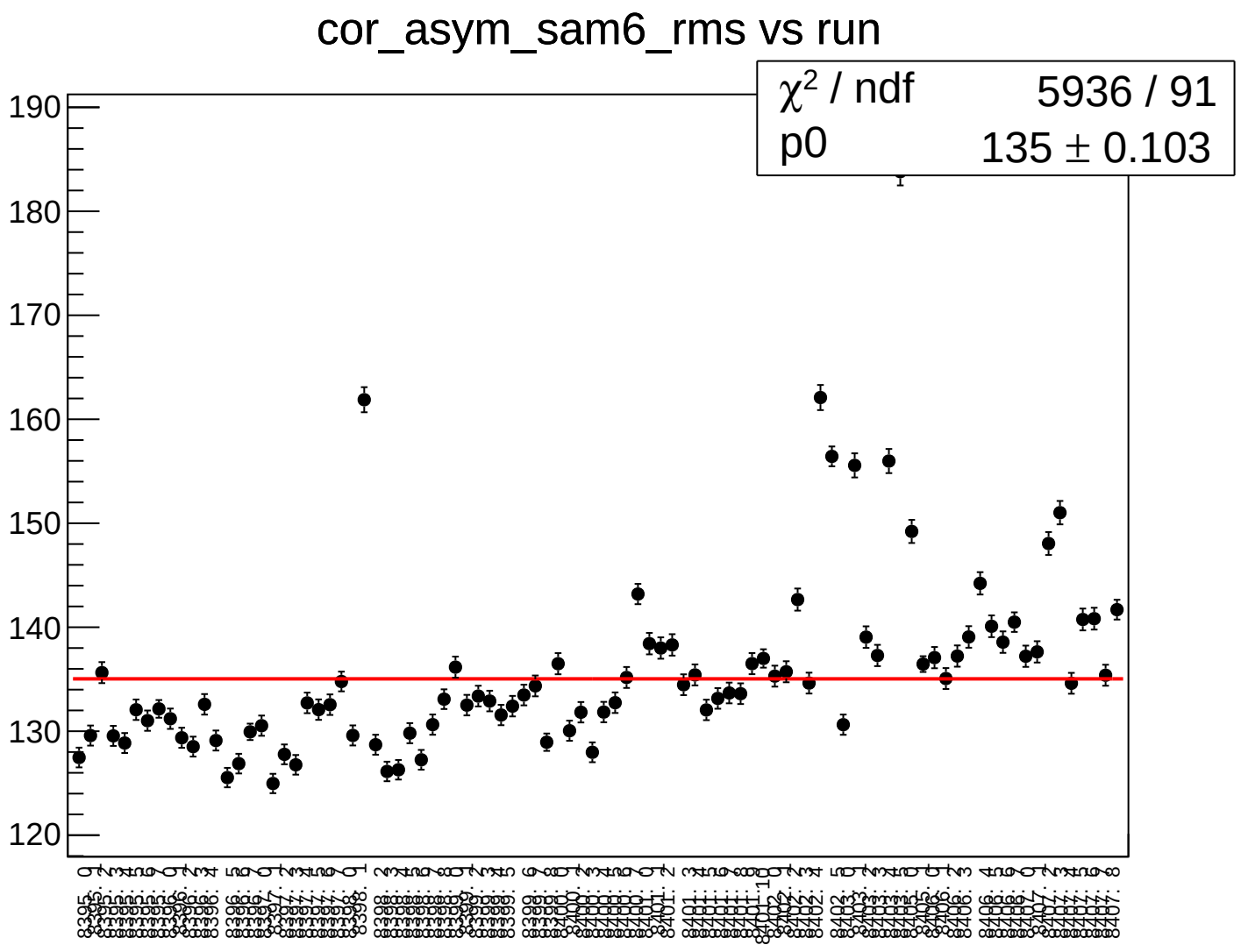

reg_asym_sam6_rms vs run
χ² / ndf 5936 / 91
p0 135 ± 0.103
190
180
170
160
150
140
130
120

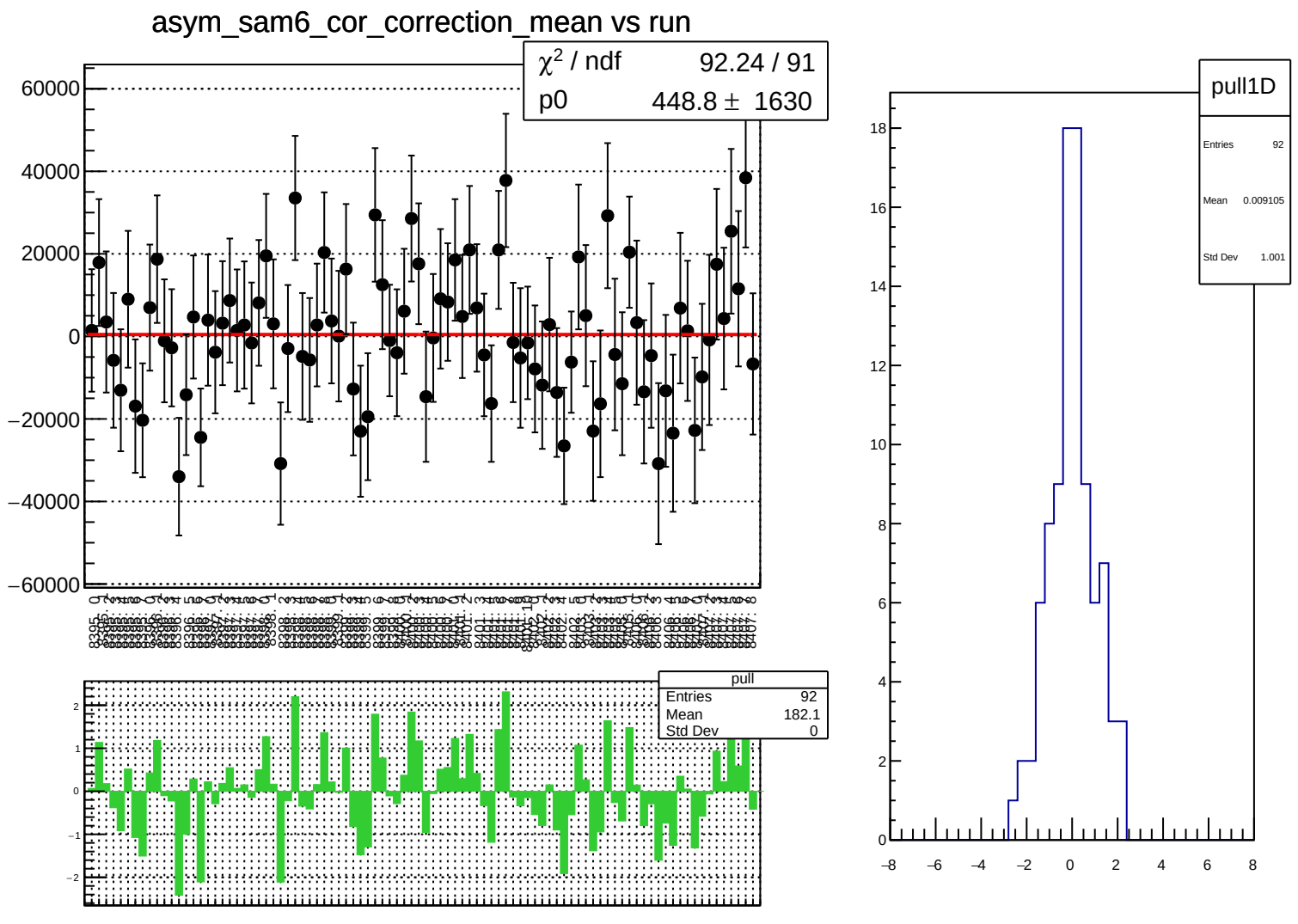

asym_sam6_reg_correction_mean vs run
χ² / ndf 92.24 / 91
p0 448.8 ± 1630
pull
Entries 92
Mean 182.1
Std Dev 0
pull1D
Entries 92
Mean 0.009104
Std Dev 1.001

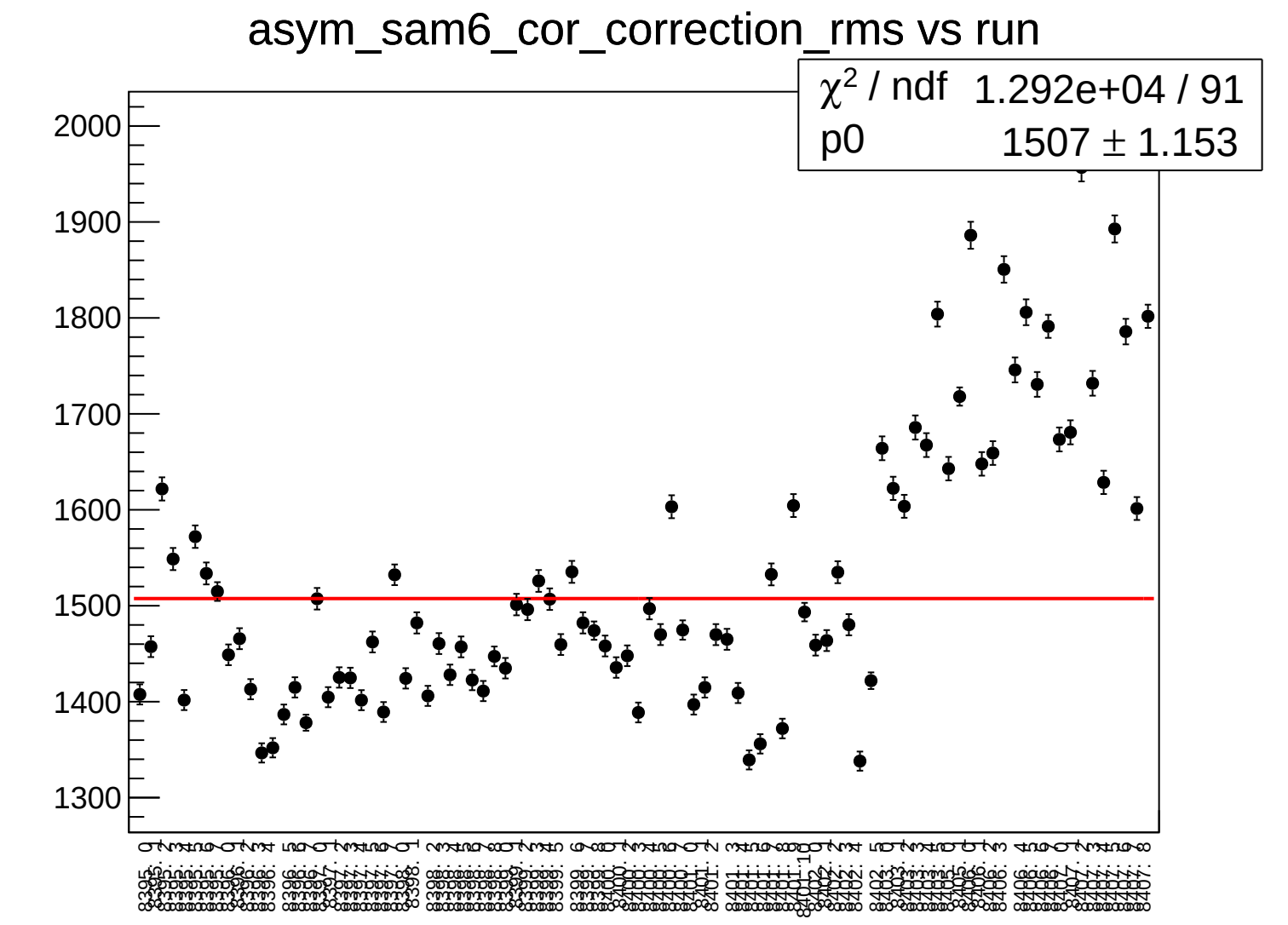

asym_sam6_reg_correction_rms vs run
$\chi^2$ / ndf 1.292e+04 / 91
p0 1507 ± 1.153
2000
1900
1800
1700
1600
1500
1400
1300

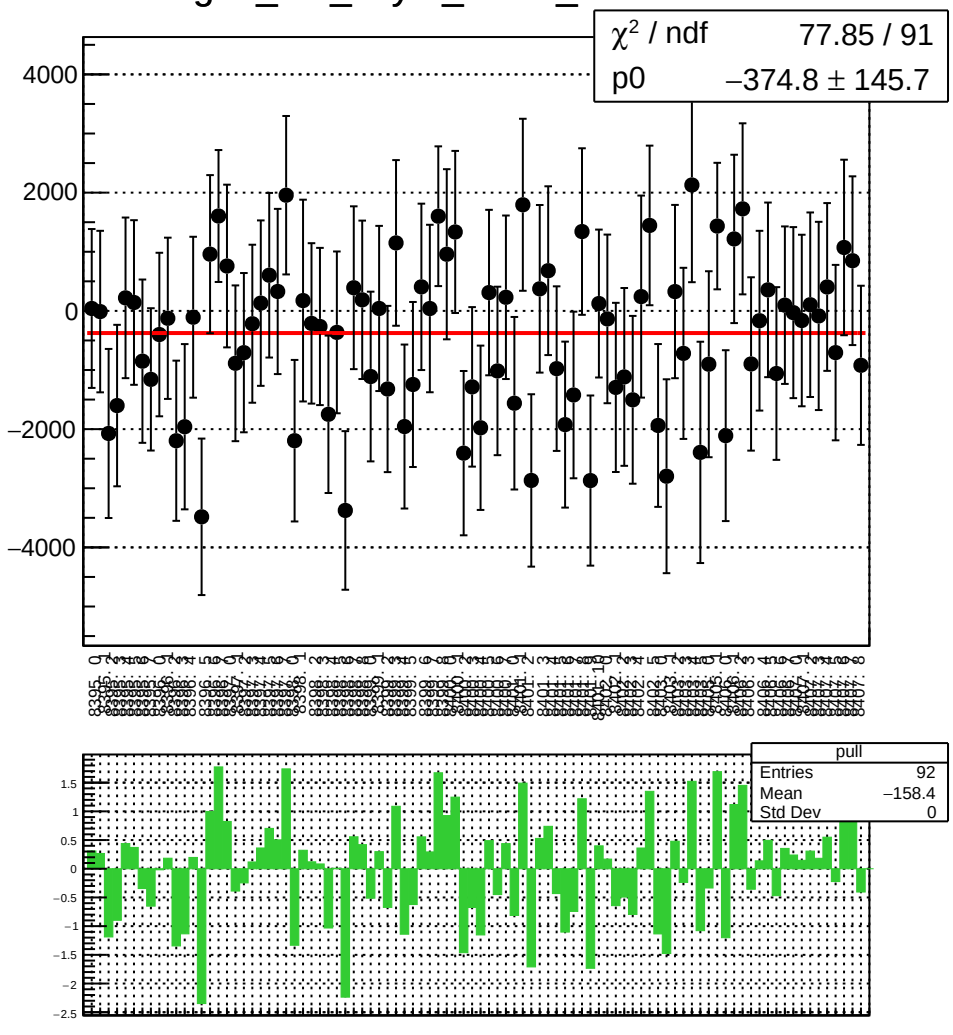

cor_asym_sam6_mean vs run
χ² / ndf 77.85 / 91
p0 −374.8 ± 145.7
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −158.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

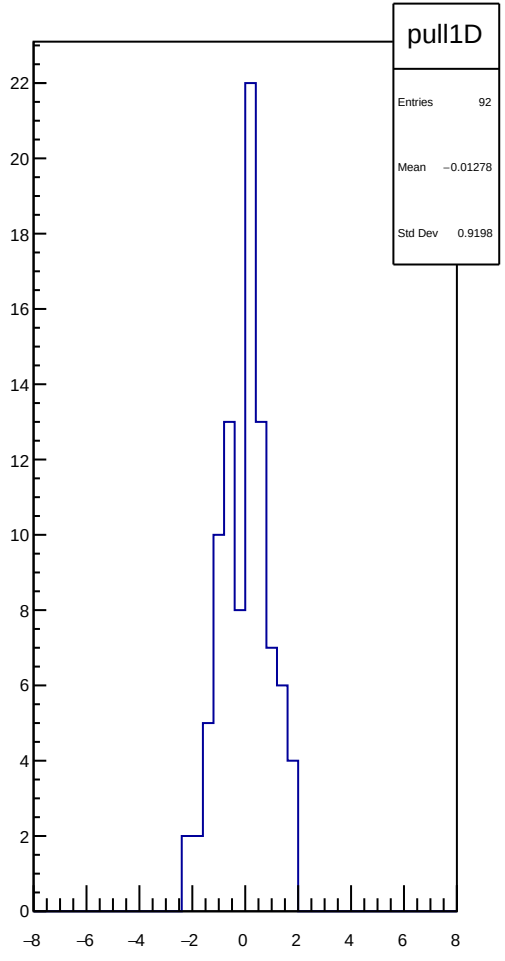

pull1D
Entries 92
Mean −0.01278
Std Dev 0.9198
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

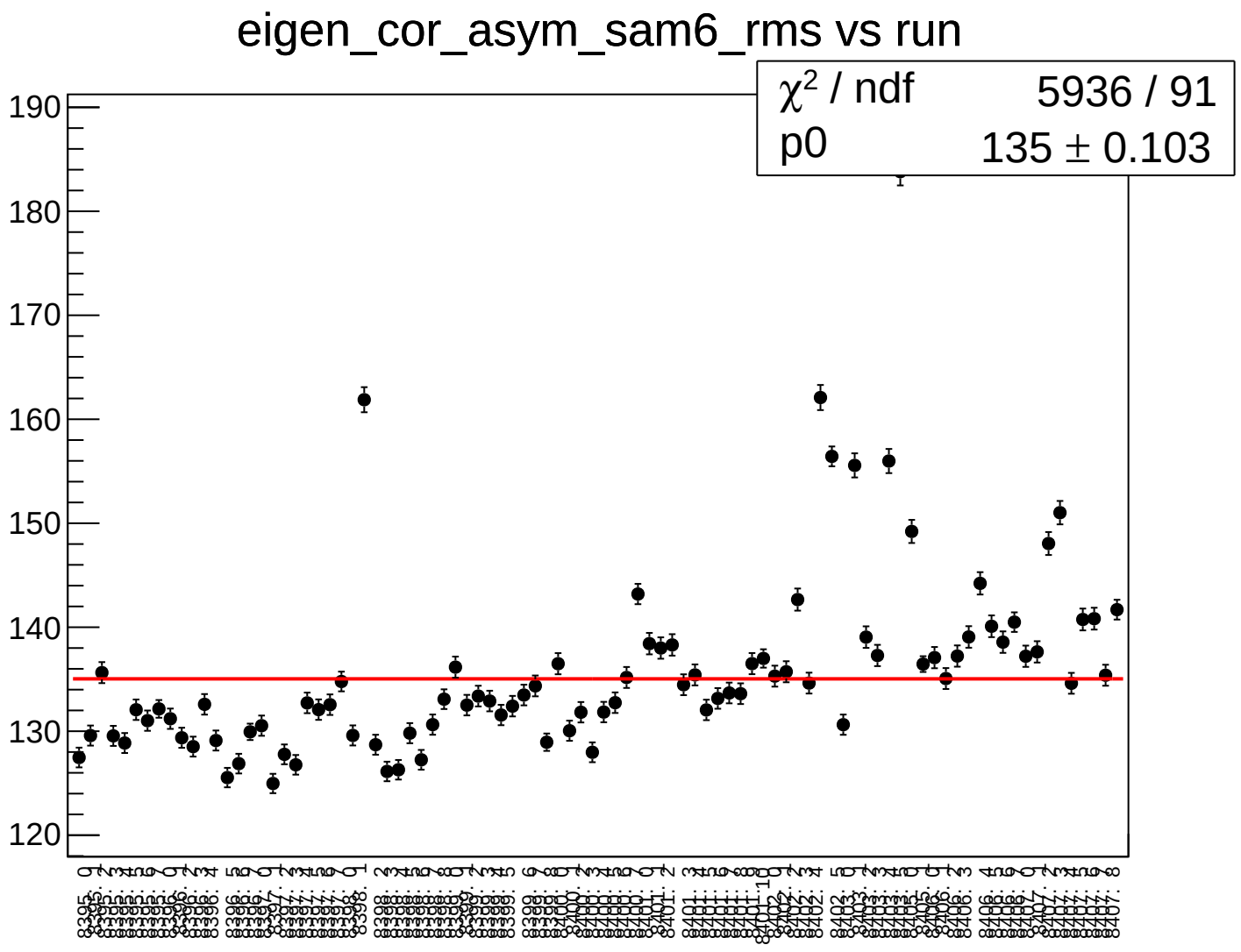

cor_asym_sam6_rms vs run
χ² / ndf 5936 / 91
p0 135 ± 0.103
190
180
170
160
150
140
130
120

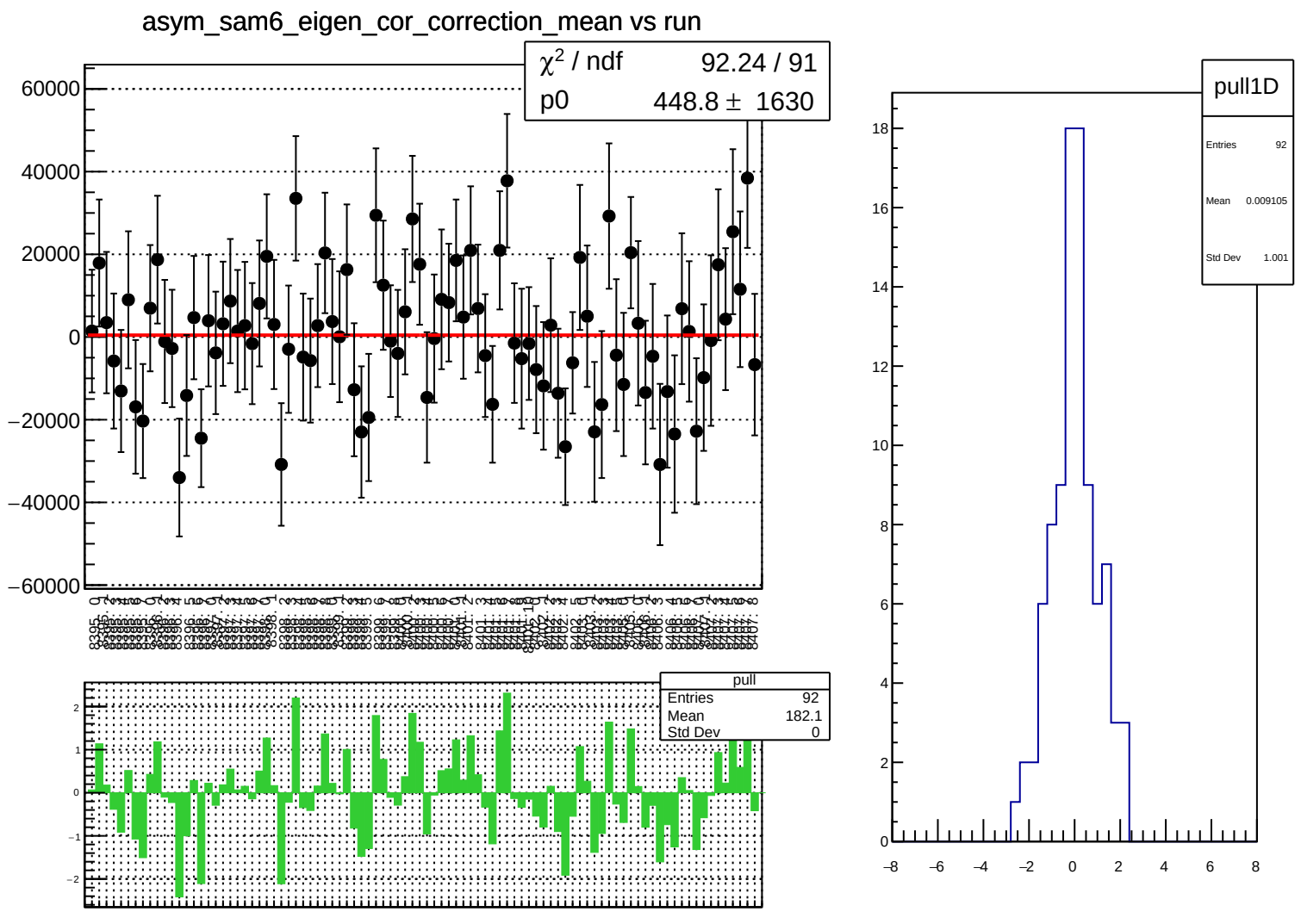

asym_sam6_cor_correction_mean vs run
χ² / ndf 92.24 / 91
p0 448.8 ± 1630
pull
Entries 92
Mean 182.1
Std Dev 0
pull1D
Entries 92
Mean 0.009105
Std Dev 1.001

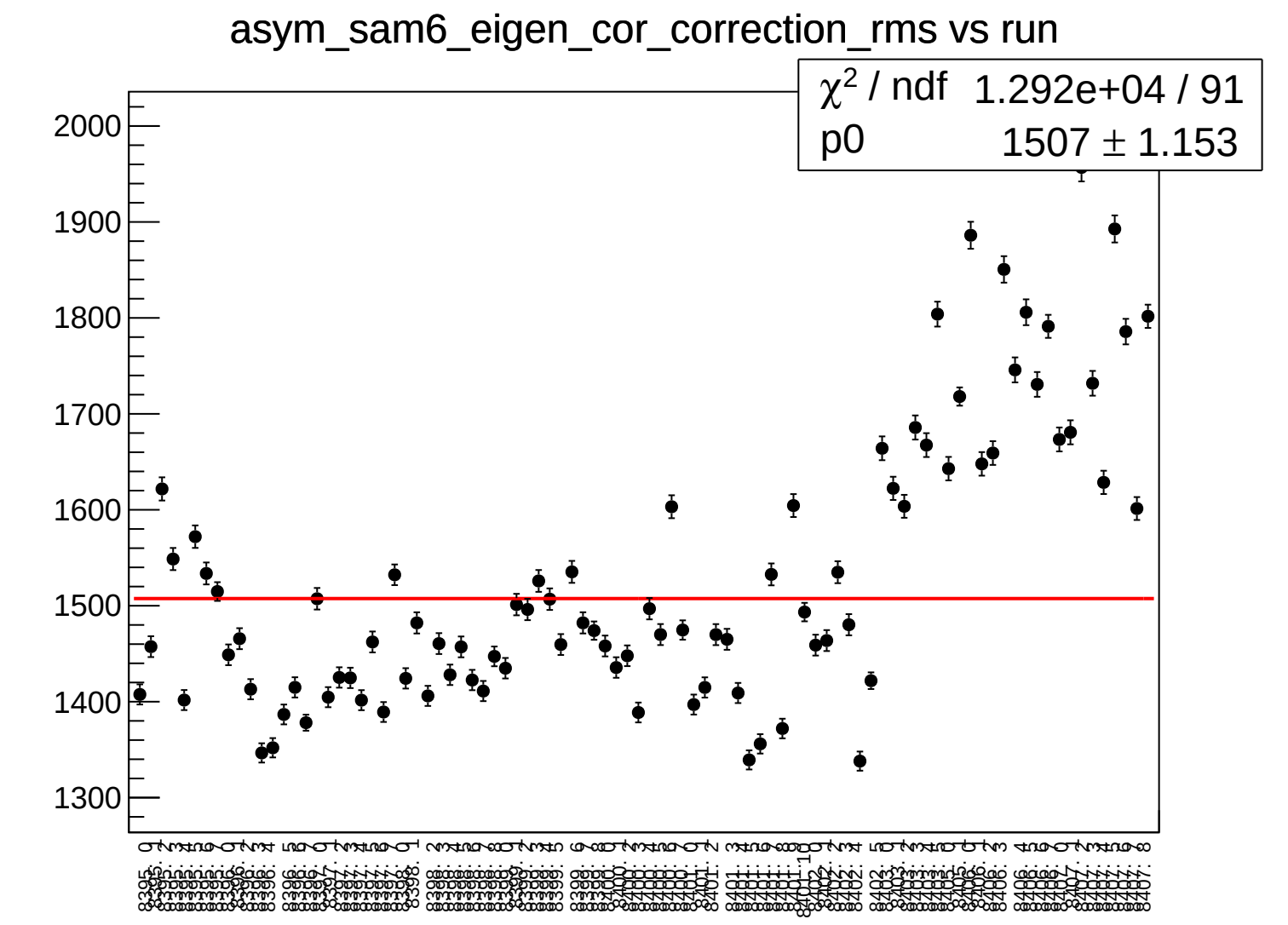

asym_sam6_cor_correction_rms vs run
χ² / ndf 1.292e+04 / 91
p0 1507 ± 1.153
2000
1900
1800
1700
1600
1500
1400
1300

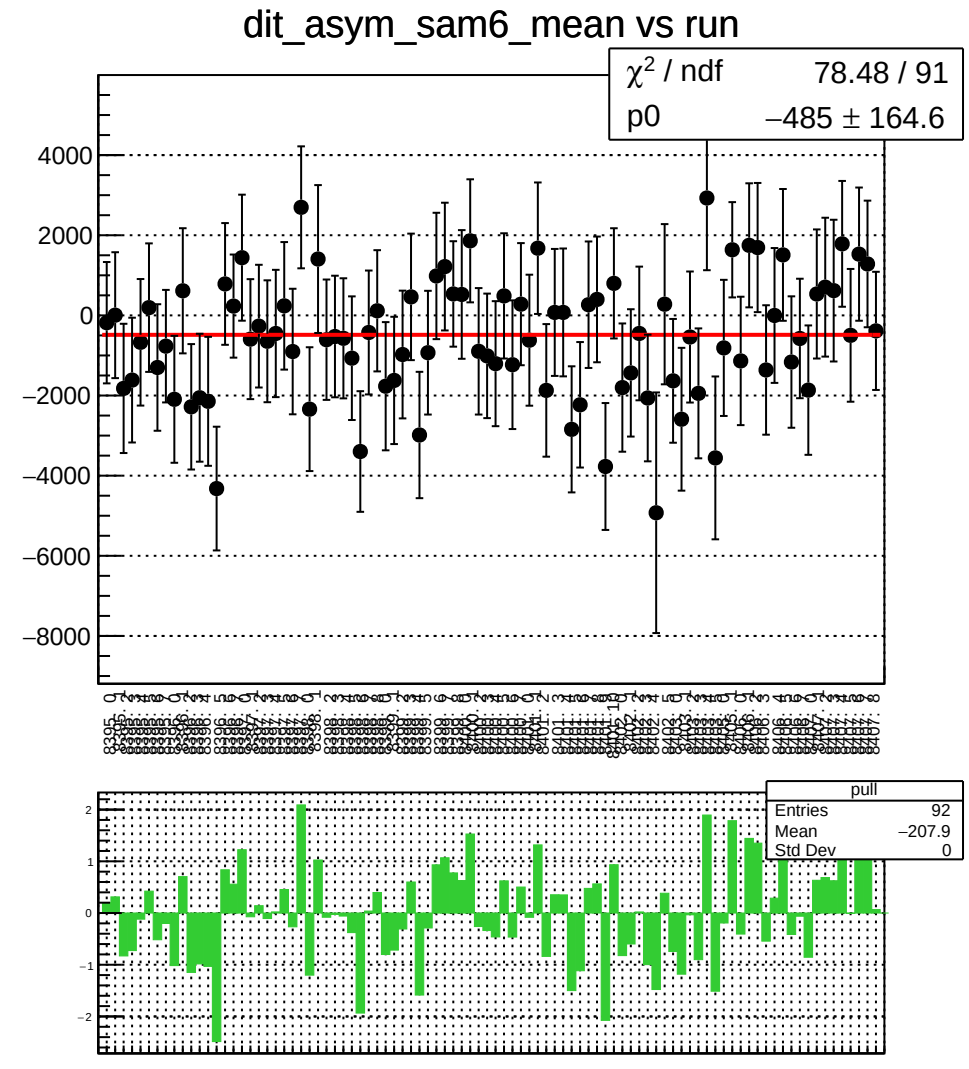

eigen_cor_asym_sam6_mean vs run
χ² / ndf 77.85 / 91
p0 −374.8 ± 145.7
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −158.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

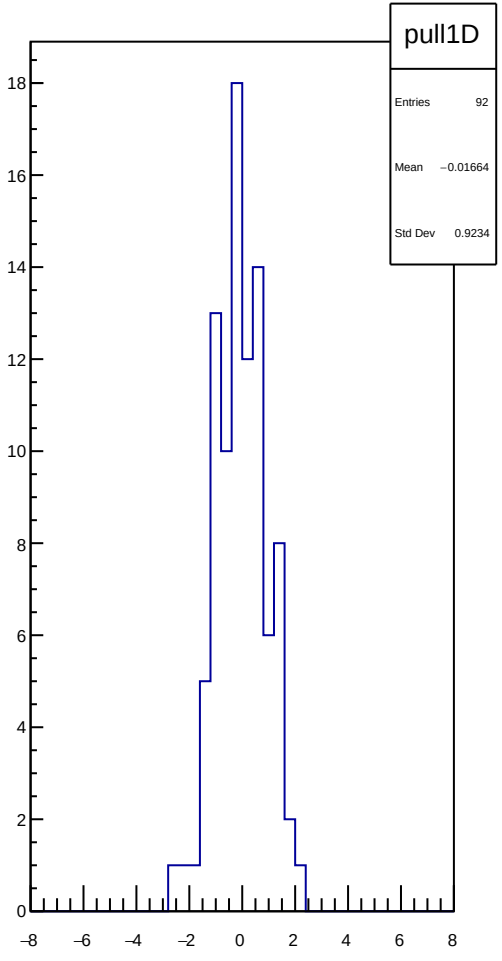

pull1D
Entries 92
Mean −0.01278
Std Dev 0.9198
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

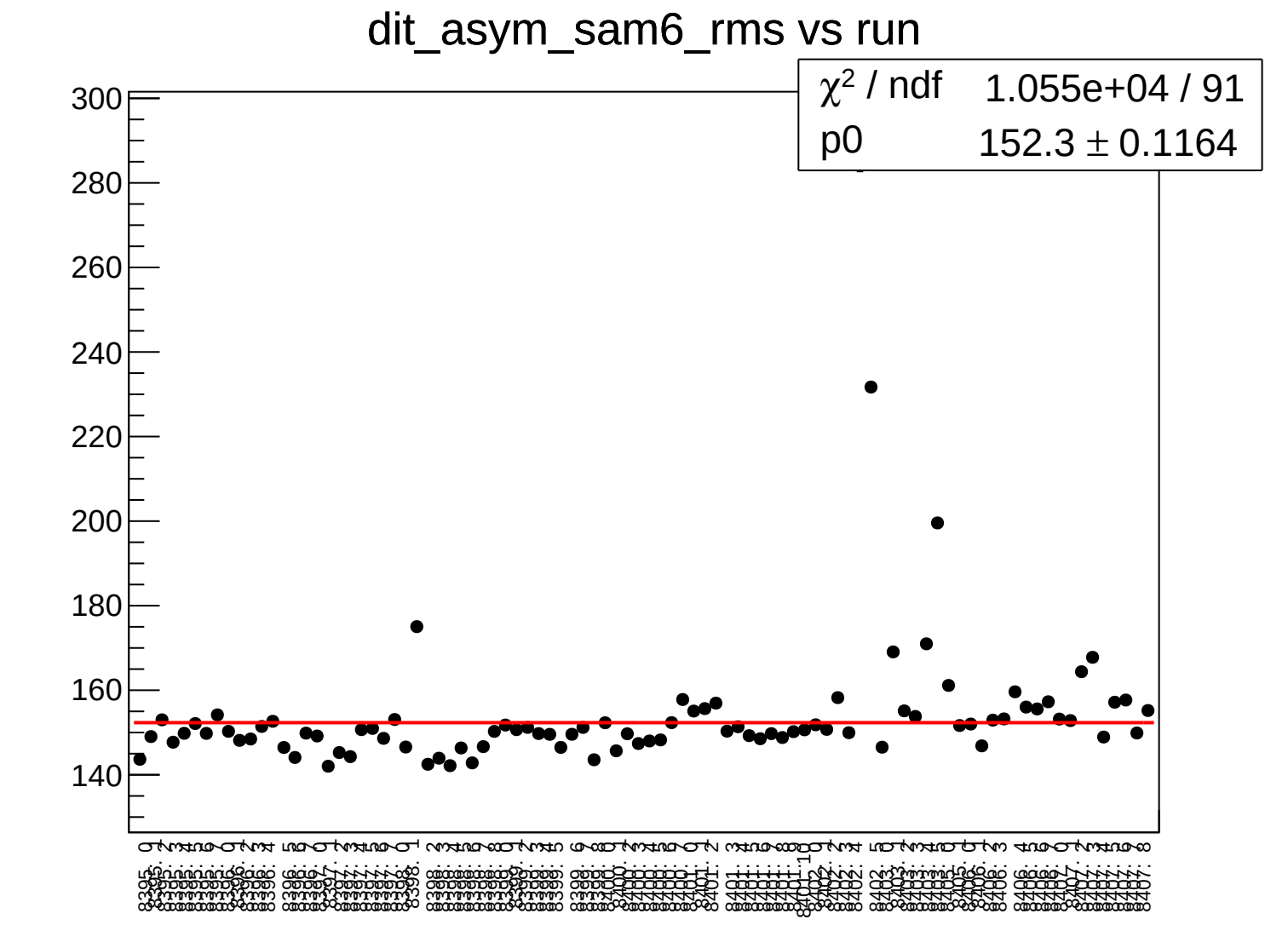

eigen_cor_asym_sam6_rms vs run
χ² / ndf 5936 / 91
p0 135 ± 0.103
190
180
170
160
150
140
130
120

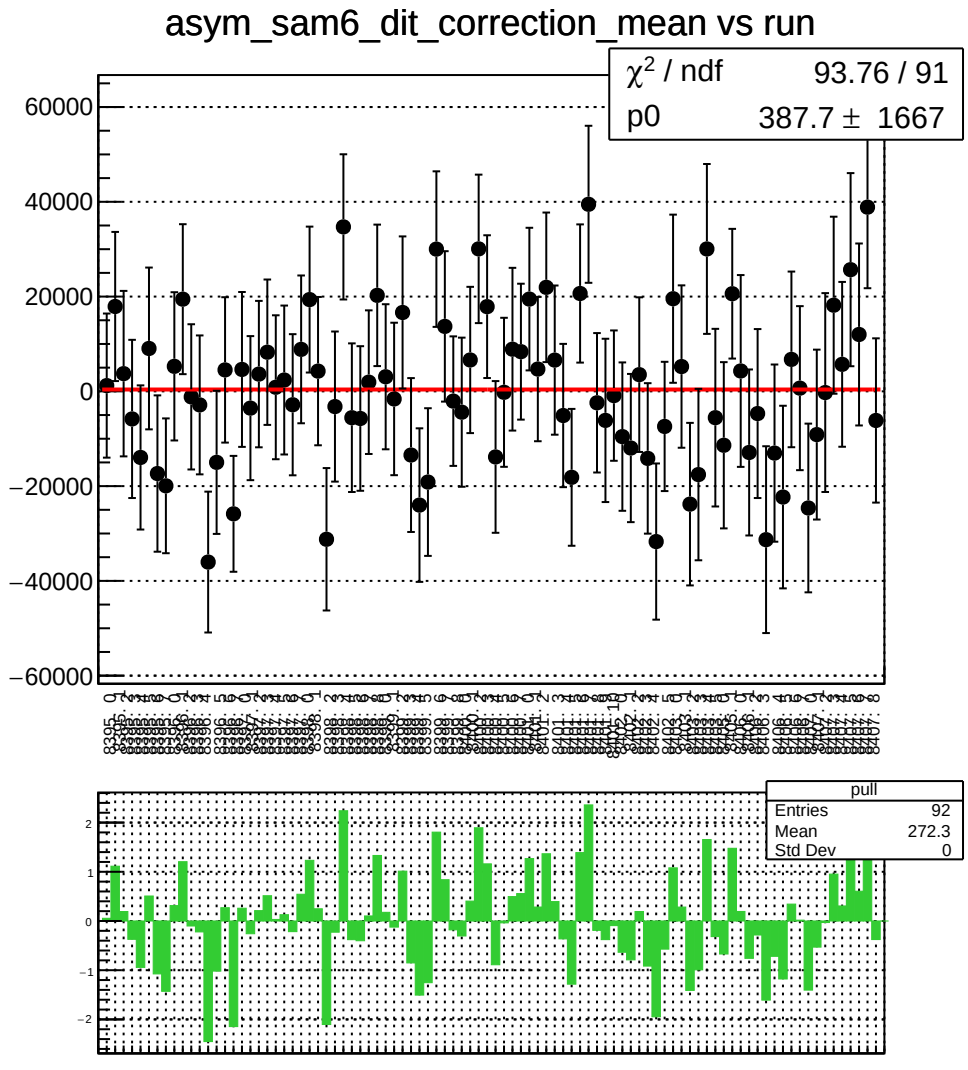

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 92.24 / 91
p0 448.8 ± 1630
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 182.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.009105
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

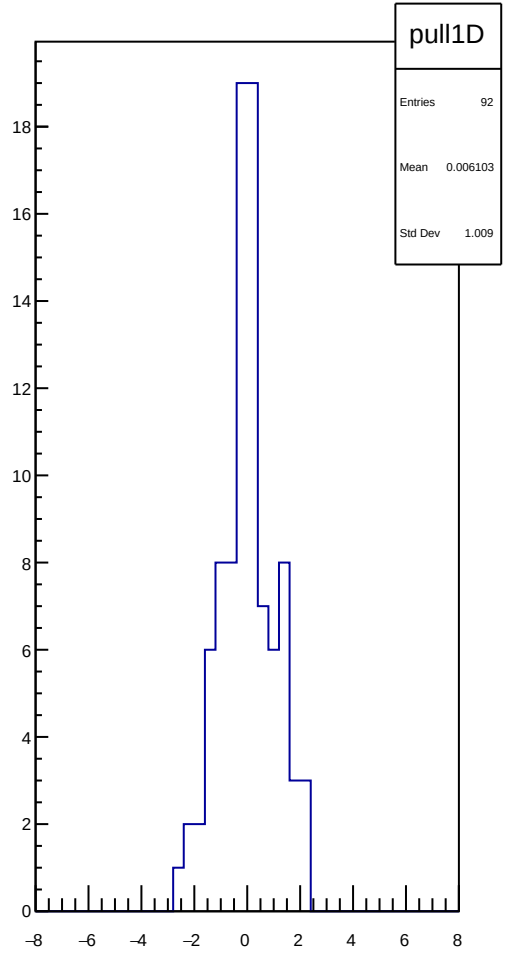

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 1.292e+04 / 91
p0 1507 ± 1.153
2000
1900
1800
1700
1600
1500
1400
1300

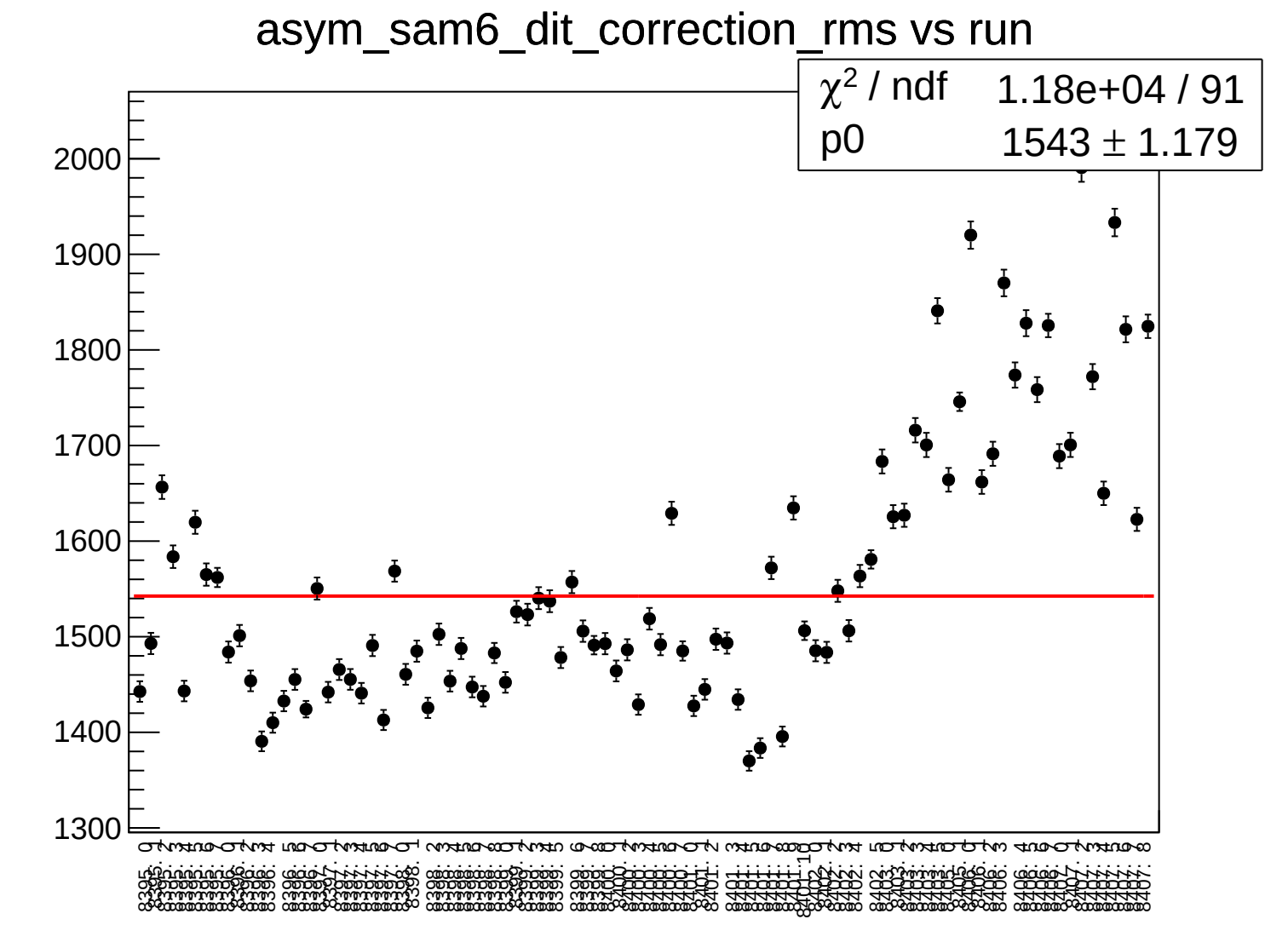

dit_asym_sam6_mean vs run
χ² / ndf 78.48 / 91
p0 −485 ± 164.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −207.9
Std Dev 0
2
1
0
−1
−2

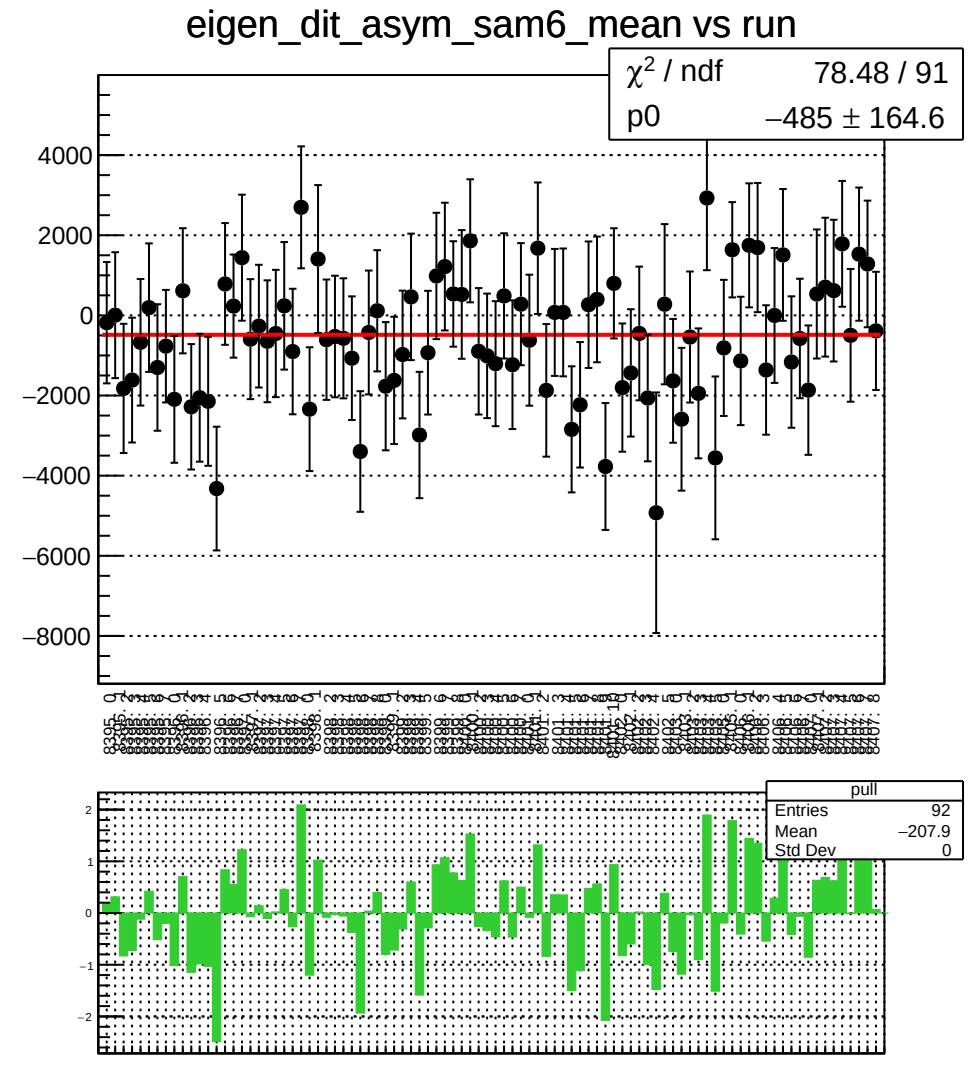

pull1D
Entries 92
Mean −0.01664
Std Dev 0.9234
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

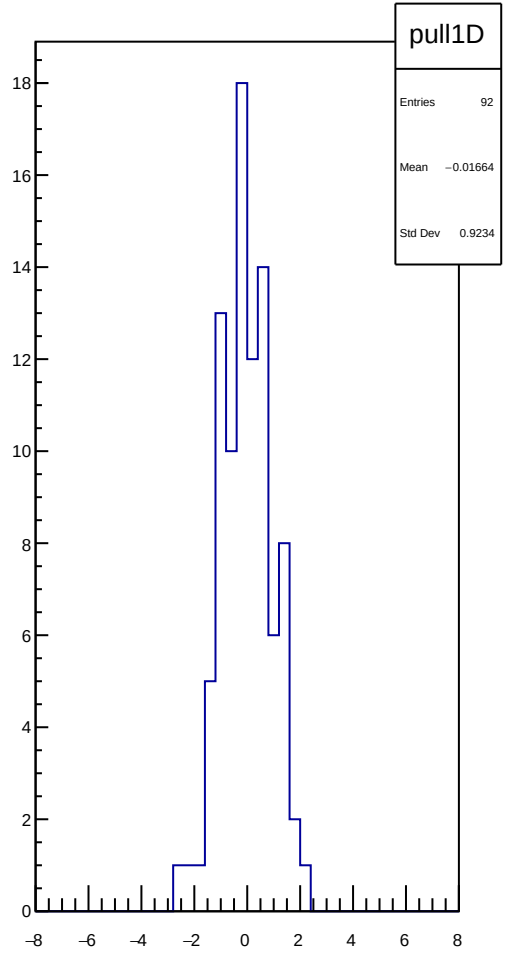

dit_asym_sam6_rms vs run
$\chi^2$ / ndf 1.055e+04 / 91
p0 152.3 ± 0.1164
300
280
260
240
220
200
180
160
140

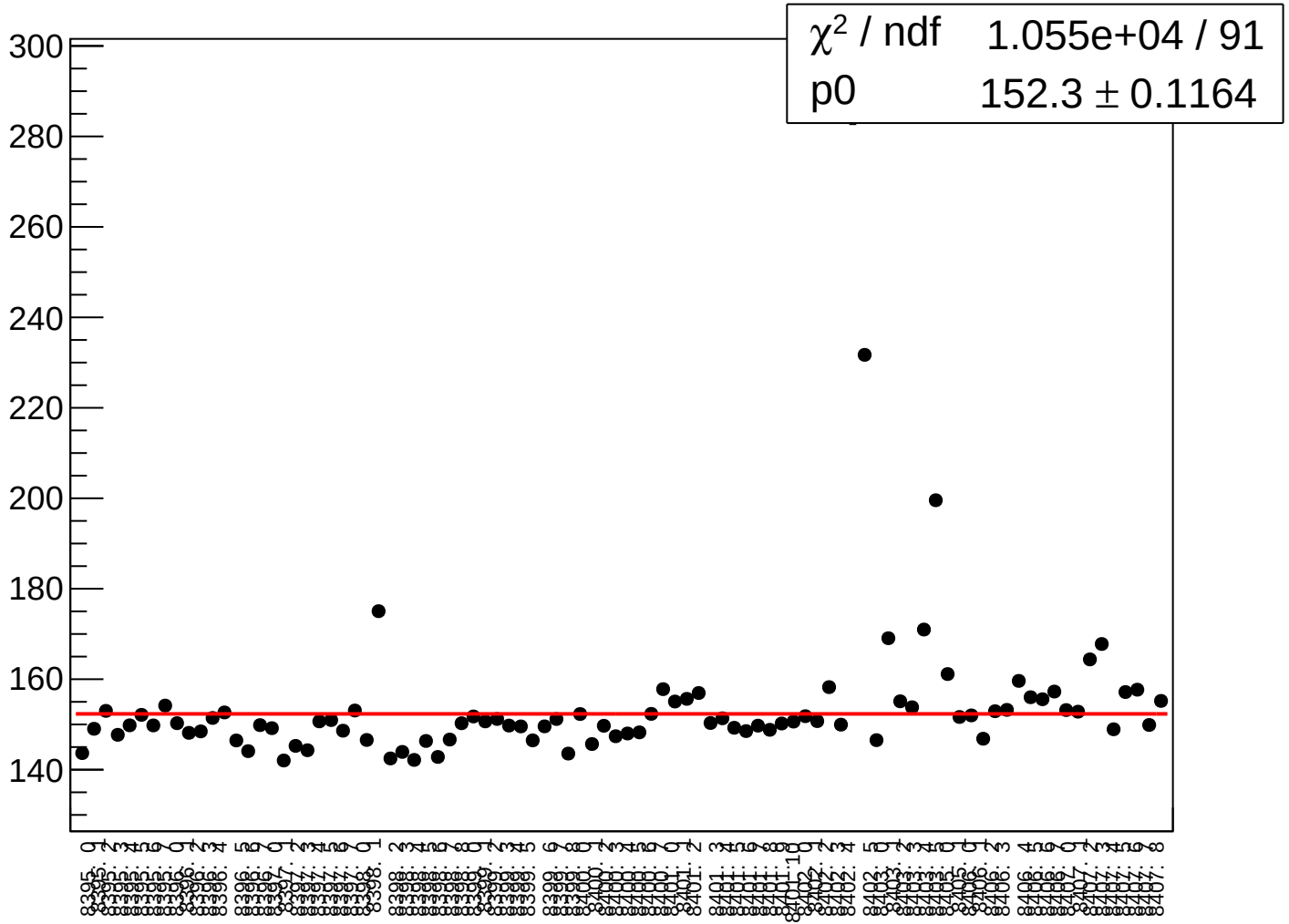

asym_sam6_dit_correction_mean vs run
χ² / ndf 93.76 / 91
p0 387.7 ± 1667
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 272.3
Std Dev 0
2
1
0
−1
−2

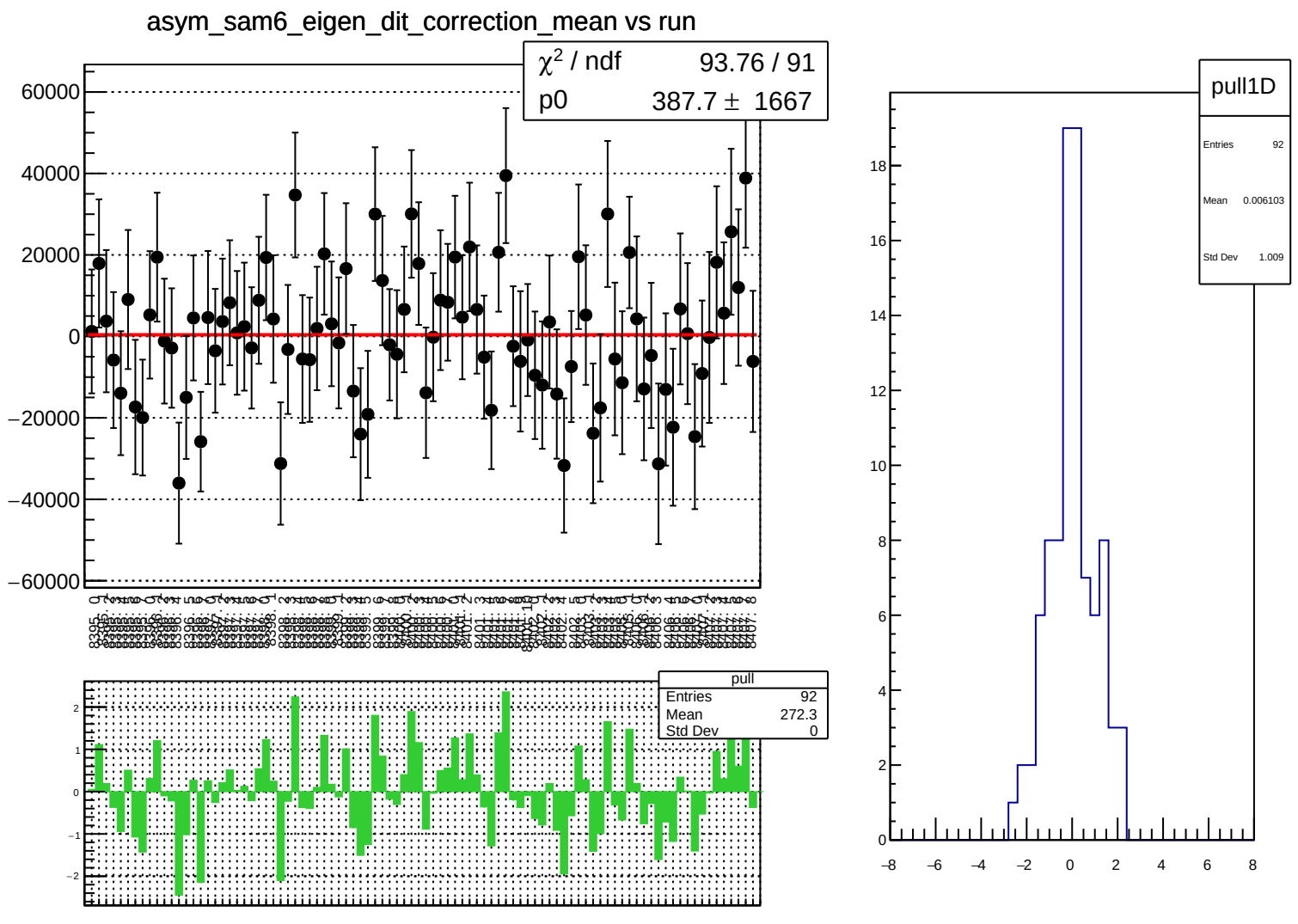

pull1D
Entries 92
Mean 0.006103
Std Dev 1.009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

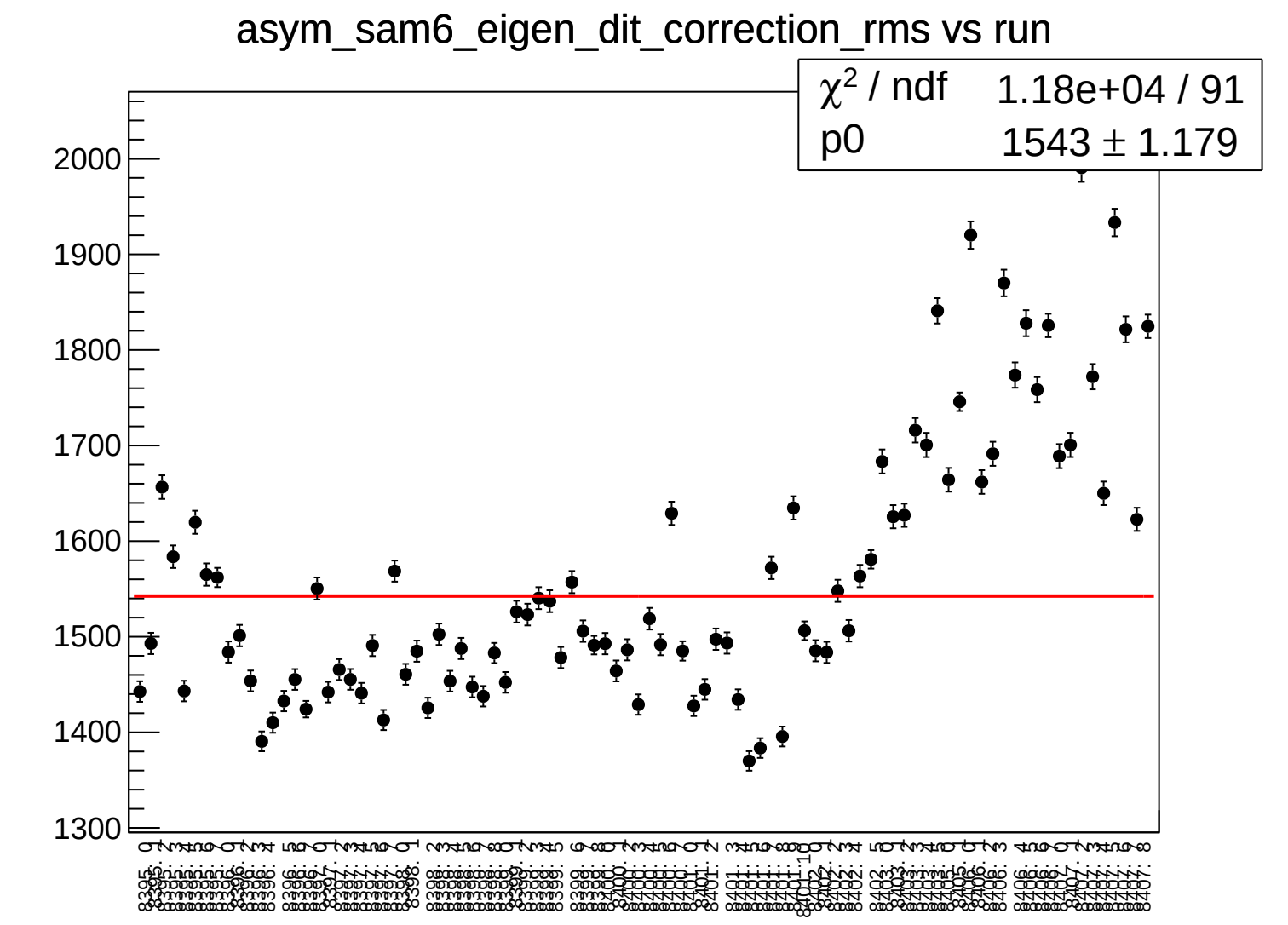

asym_sam6_dit_correction_rms vs run
χ² / ndf 1.18e+04 / 91
p0 1543 ± 1.179
2000
1900
1800
1700
1600
1500
1400
1300

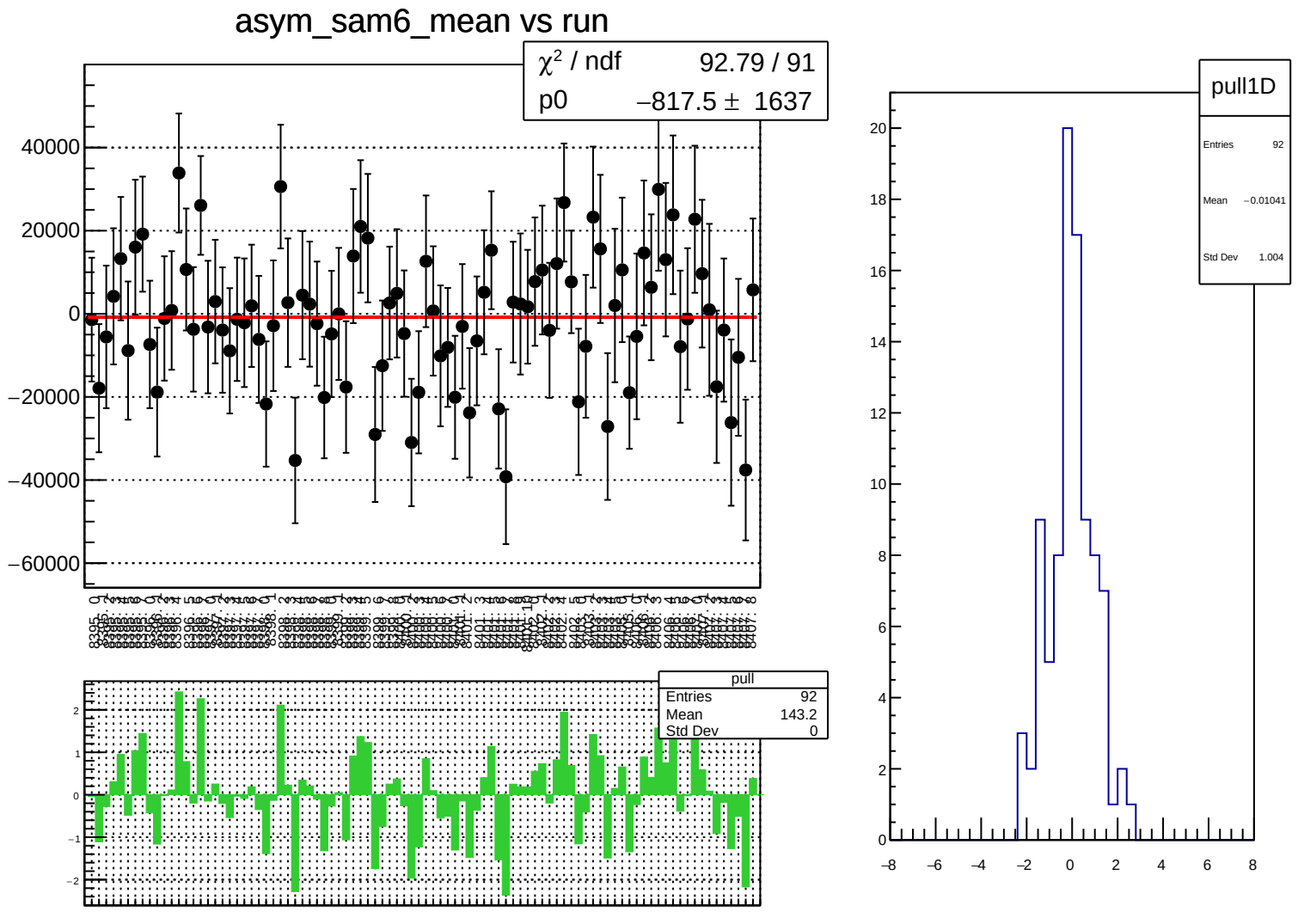

eigen_dit_asym_sam6_mean vs run
χ² / ndf 78.48 / 91
p0 −485 ± 164.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −207.9
Std Dev 0
2
1
0
−1
−2

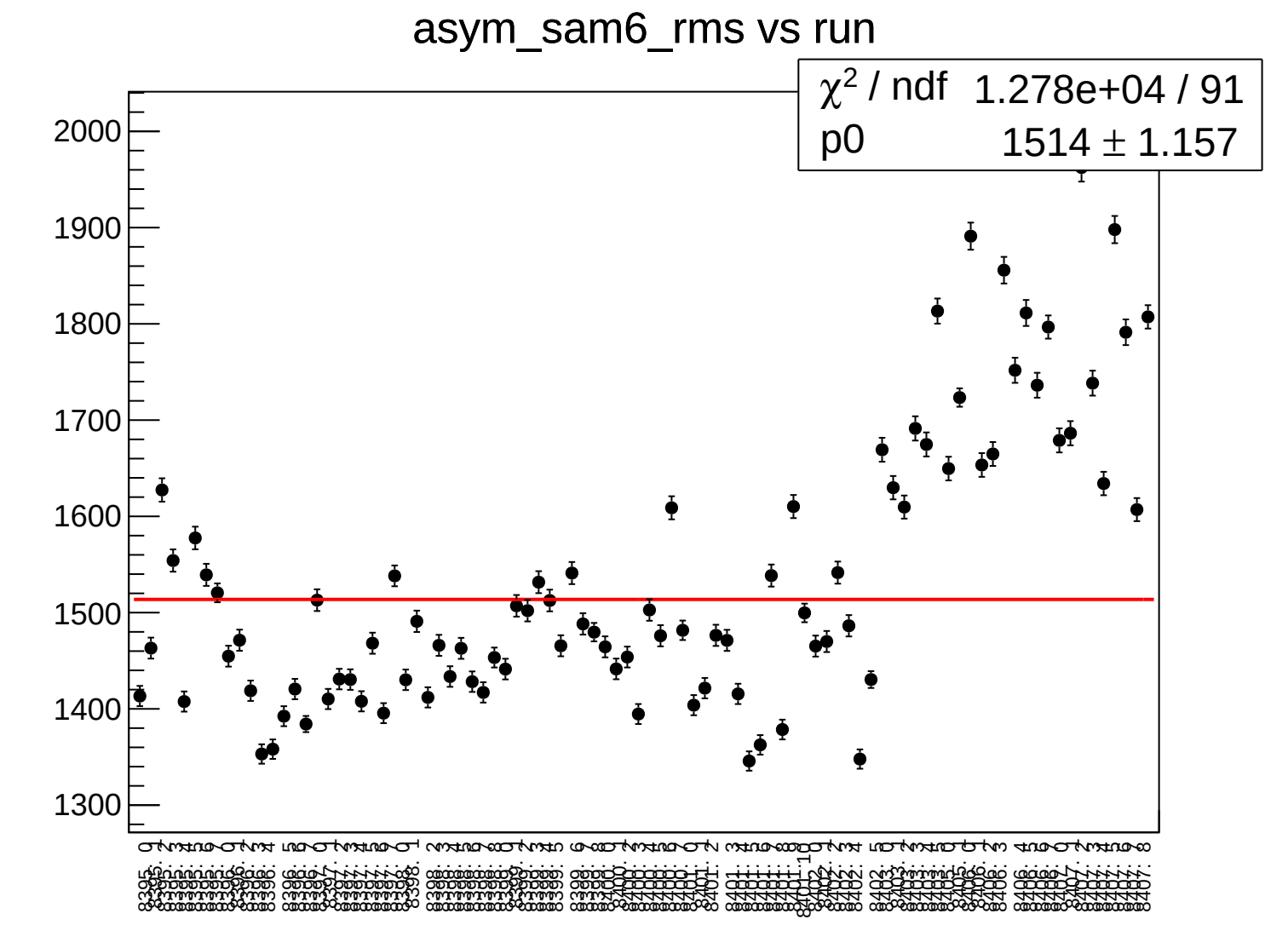

pull1D
Entries 92
Mean −0.01664
Std Dev 0.9234
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

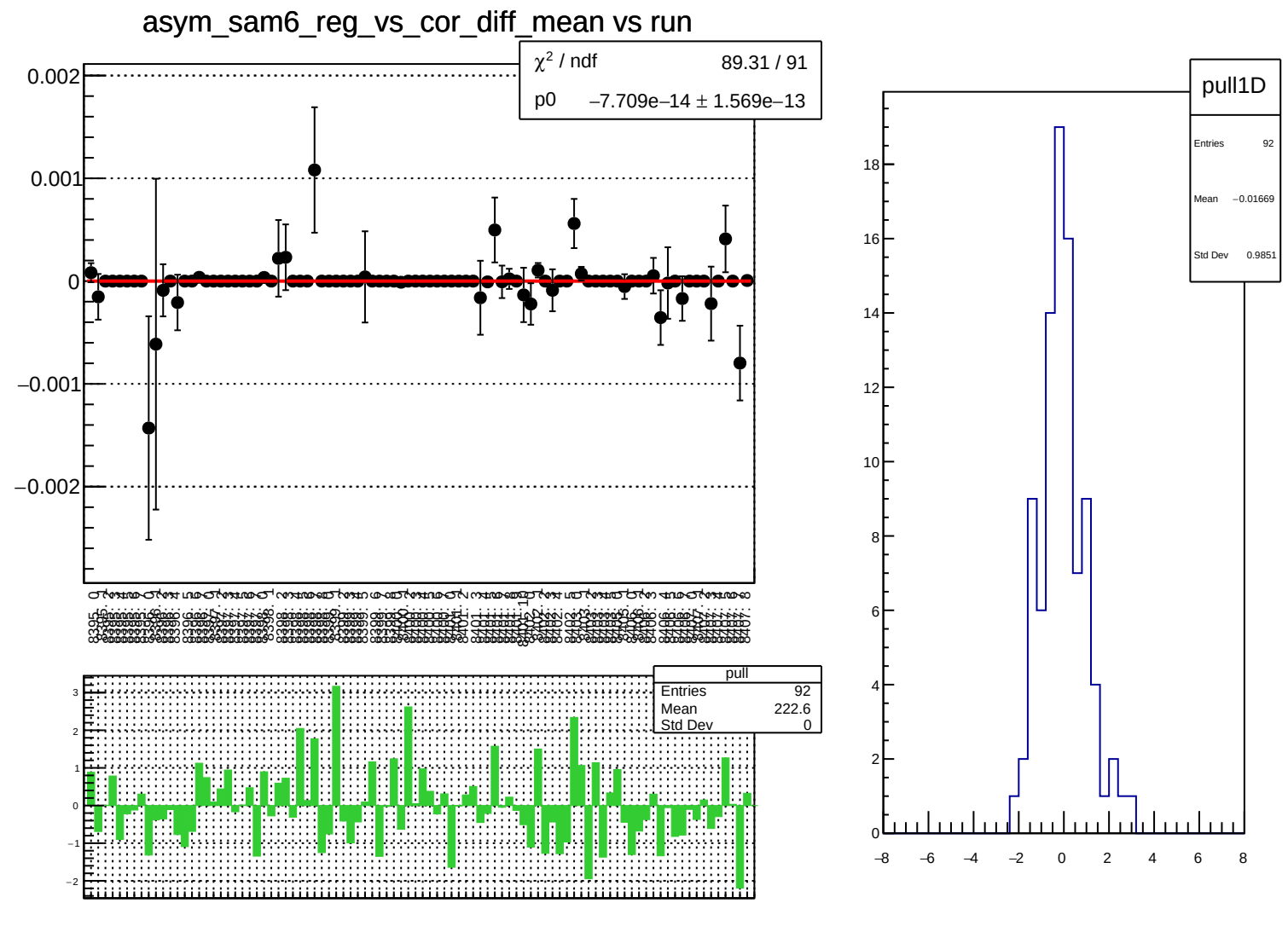

eigen_dit_asym_sam6_rms vs run
$\chi^2$ / ndf 1.055e+04 / 91
p0 152.3 ± 0.1164
300
280
260
240
220
200
180
160
140

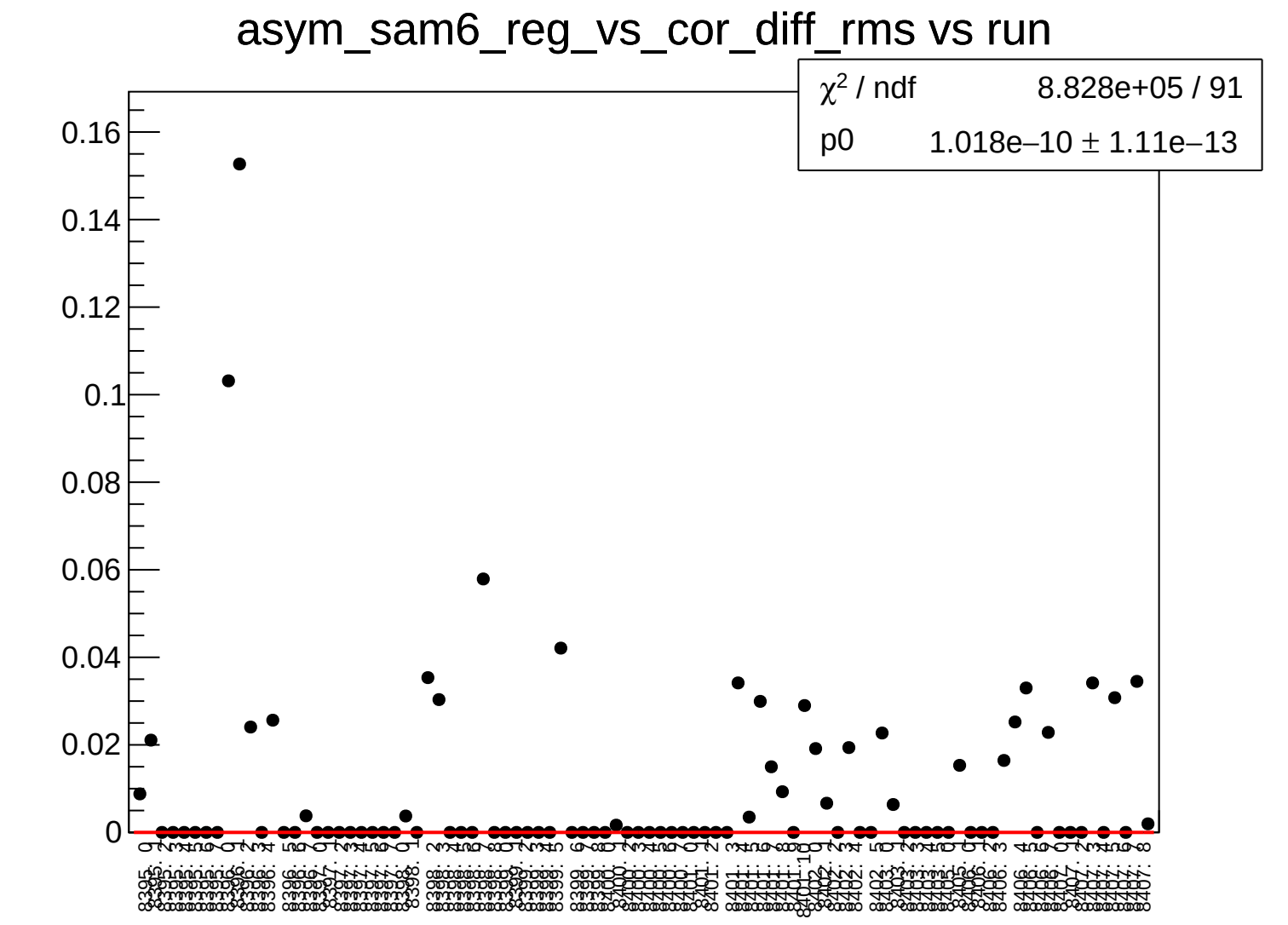

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 93.76 / 91
p0 387.7 ± 1667
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 272.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006103
Std Dev 1.009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

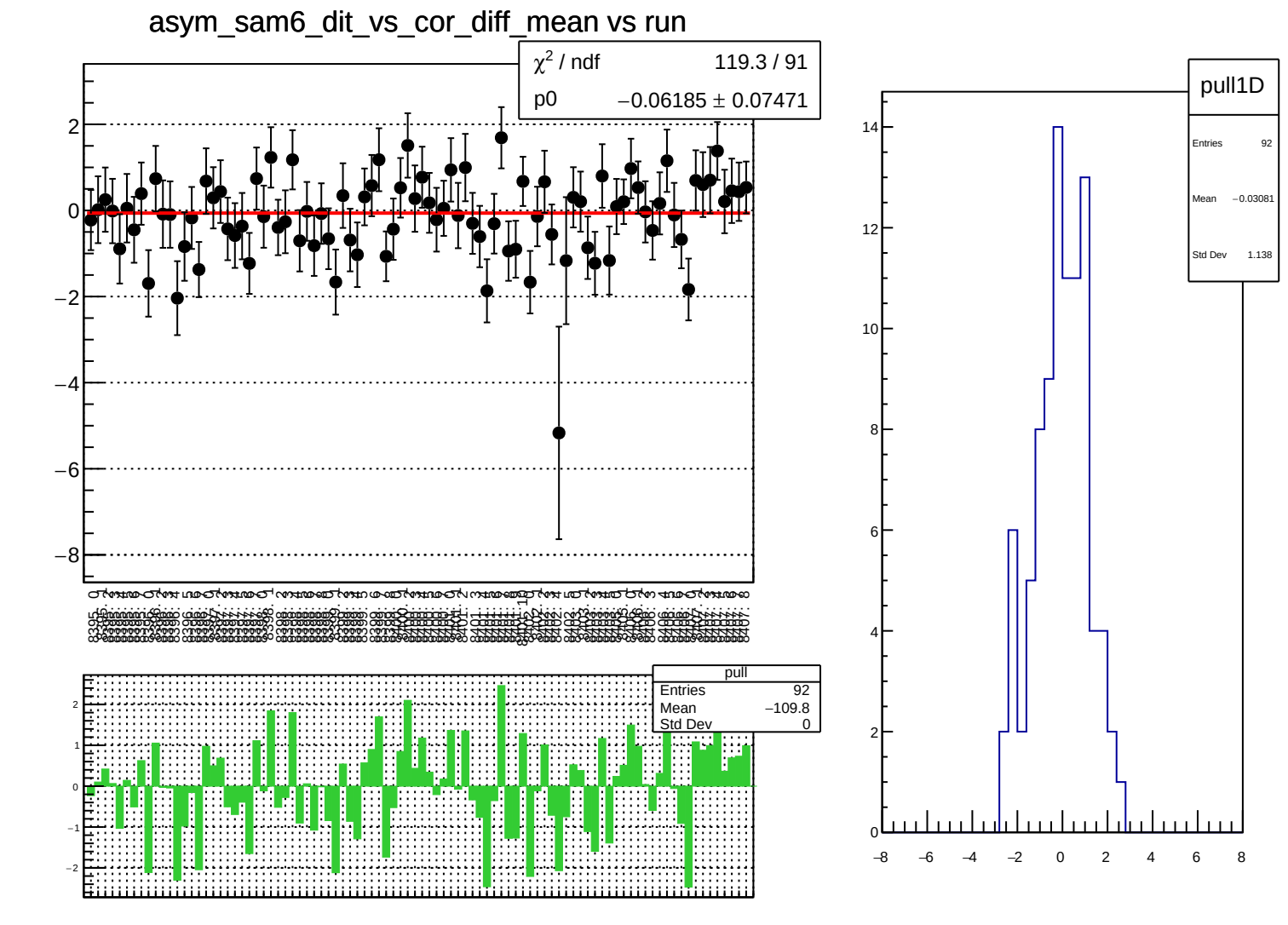

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 1.18e+04 / 91
p0 1543 ± 1.179
2000
1900
1800
1700
1600
1500
1400
1300

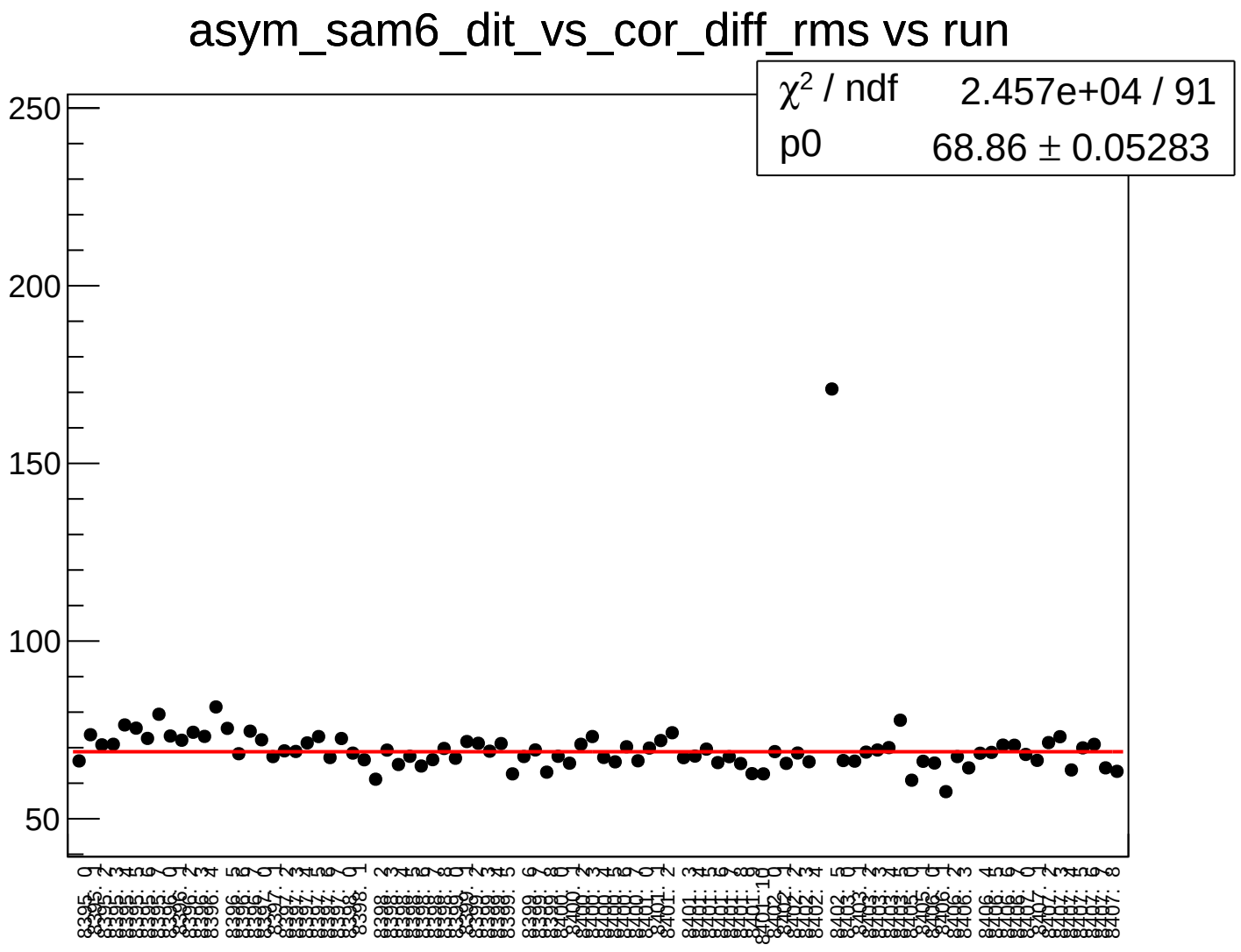

asym_sam6_mean vs run
χ² / ndf 92.79 / 91
p0 −817.5 ± 1637
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 143.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01041
Std Dev 1.004
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

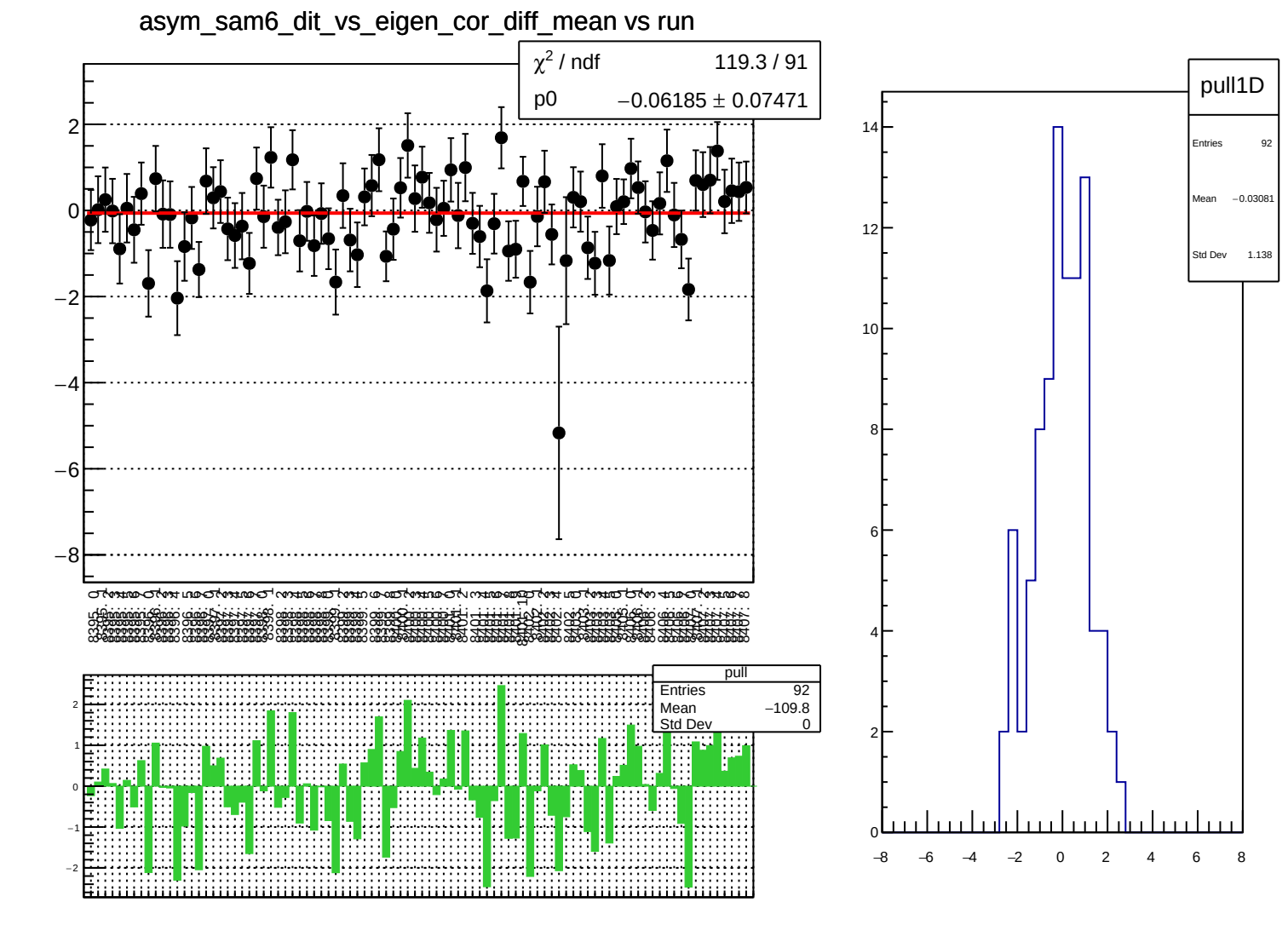

asym_sam6_rms vs run
χ² / ndf 1.278e+04 / 91
p0 1514 ± 1.157
2000
1900
1800
1700
1600
1500
1400
1300

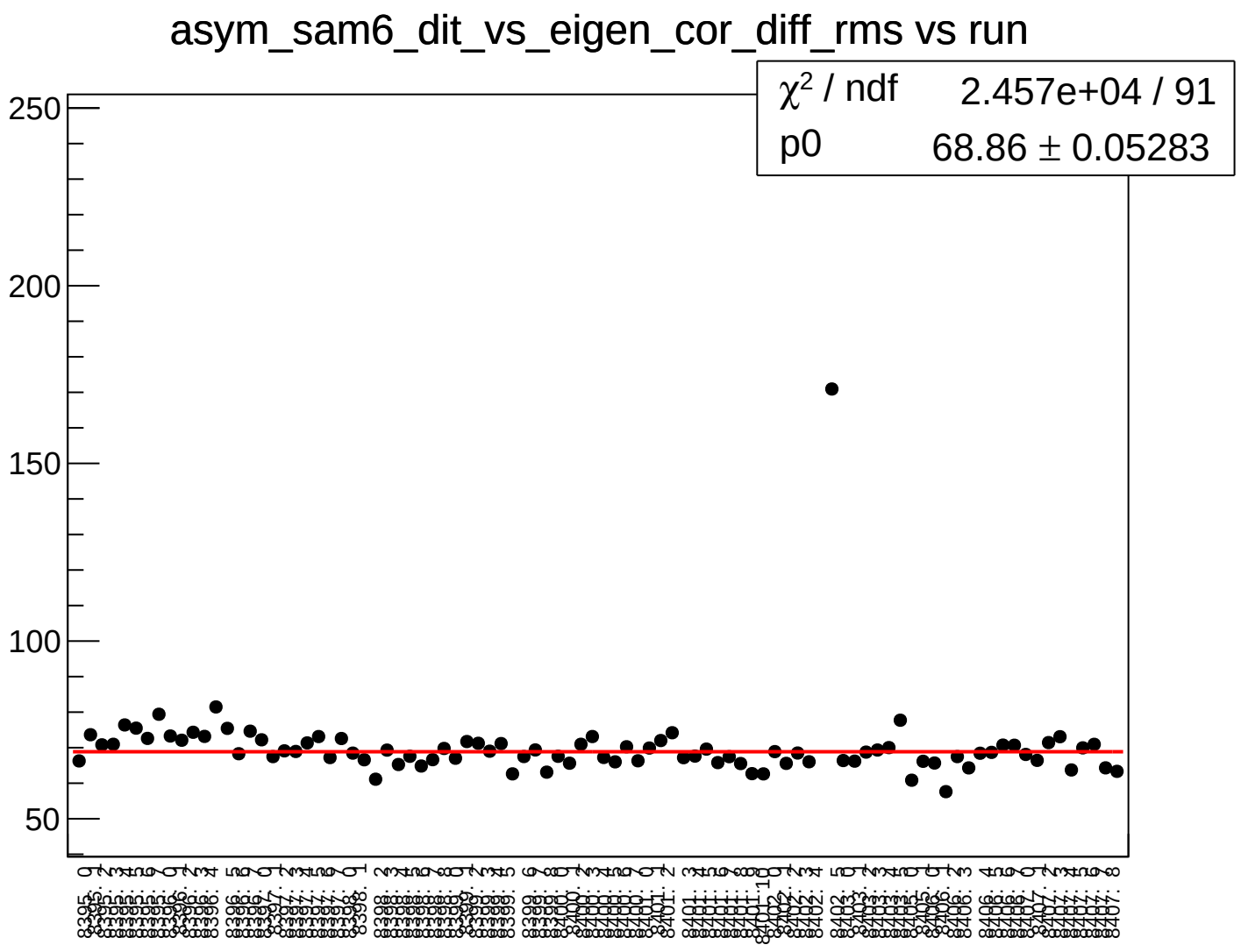

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 89.31 / 91
p0 −7.709e−14 ± 1.569e−13
0.002
0.001
0
−0.001
−0.002
pull
Entries 92
Mean 222.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01669
Std Dev 0.9851
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

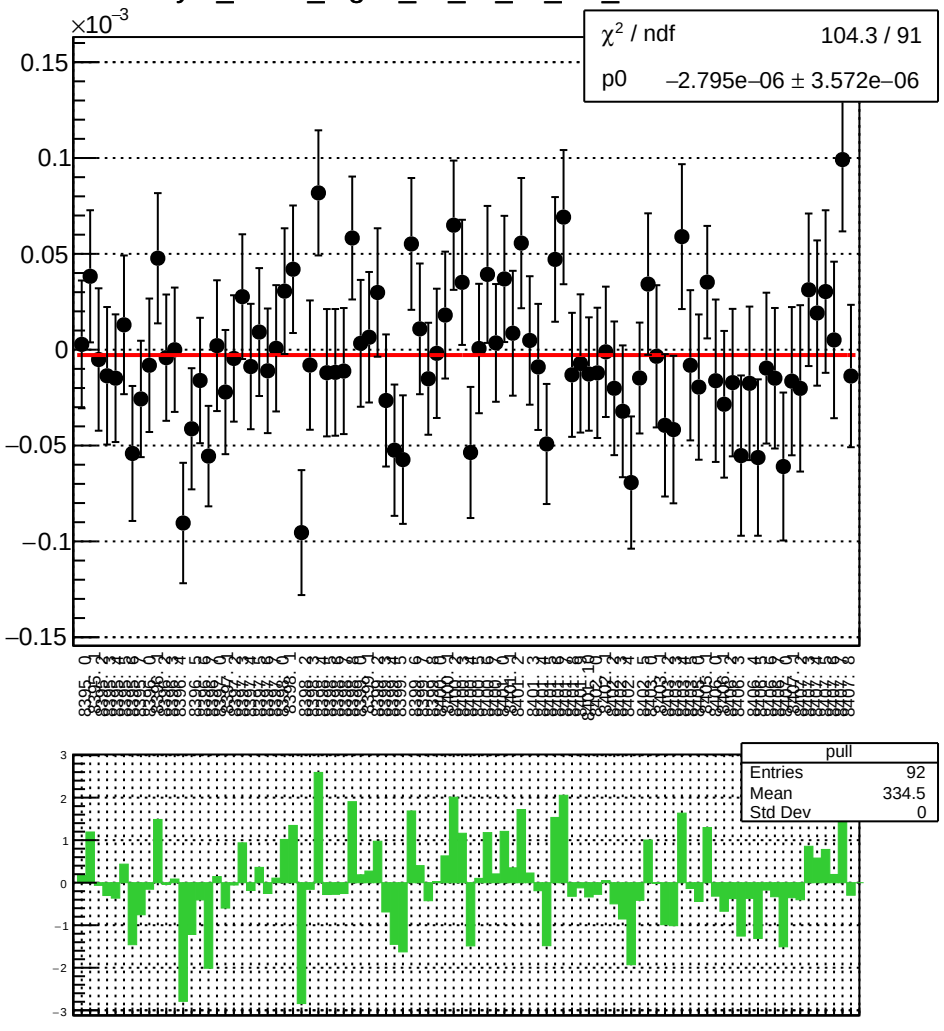

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 8.828e+05 / 91
p0 1.018e−10 ± 1.11e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

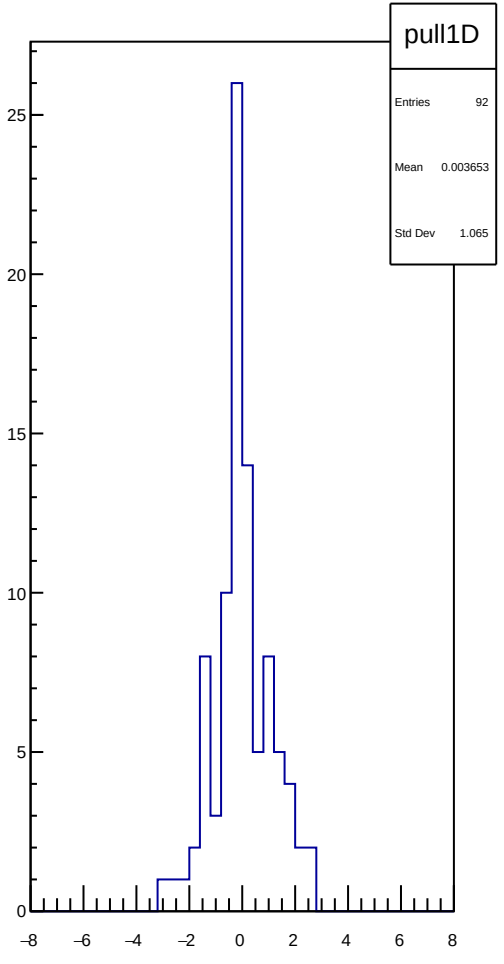

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 119.3 / 91
p0 −0.06185 ± 0.07471
pull
Entries 92
Mean −109.8
Std Dev 0
pull1D
Entries 92
Mean −0.03081
Std Dev 1.138

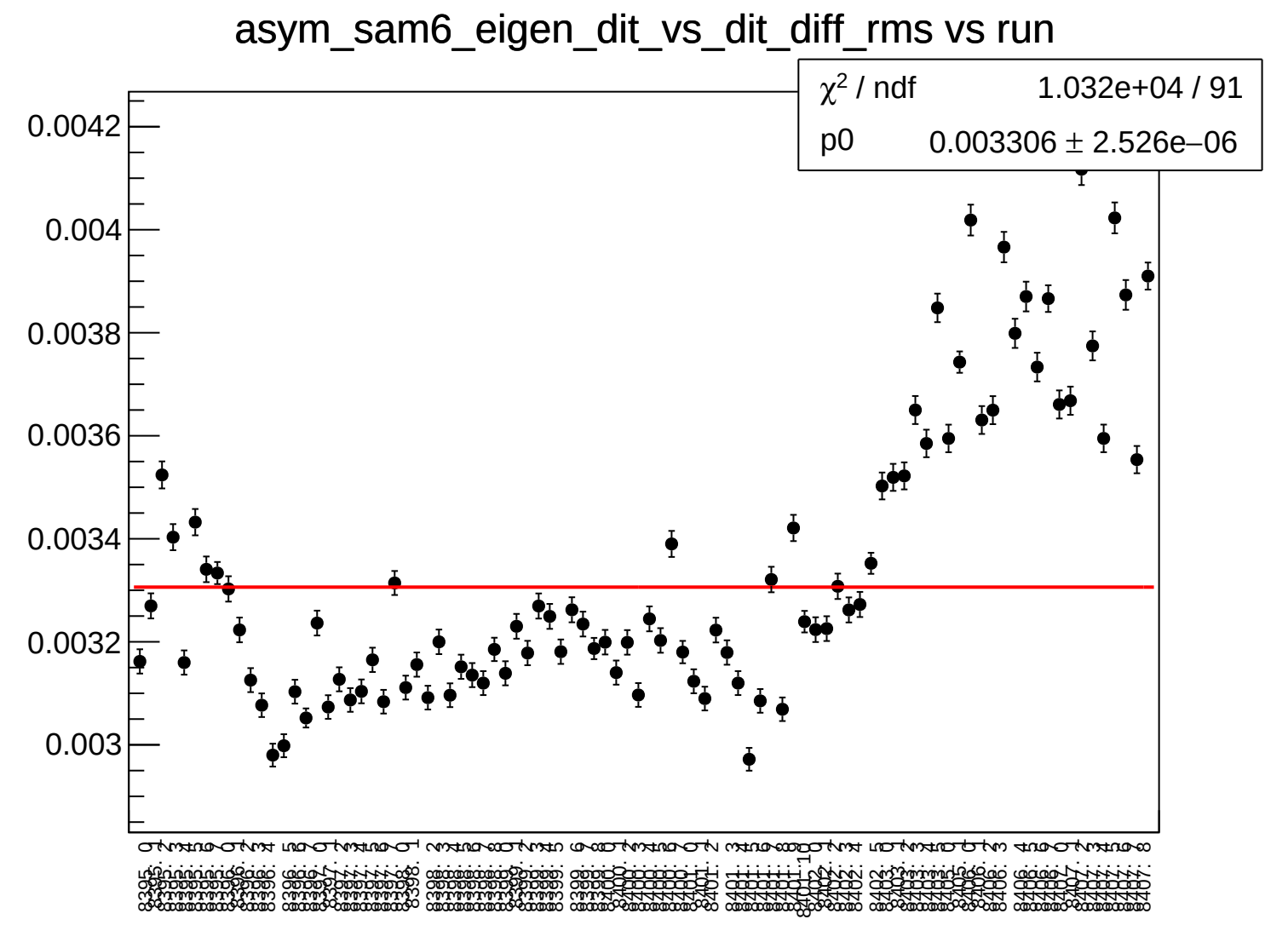

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 2.457e+04 / 91
p0 68.86 ± 0.05283
250
200
150
100
50

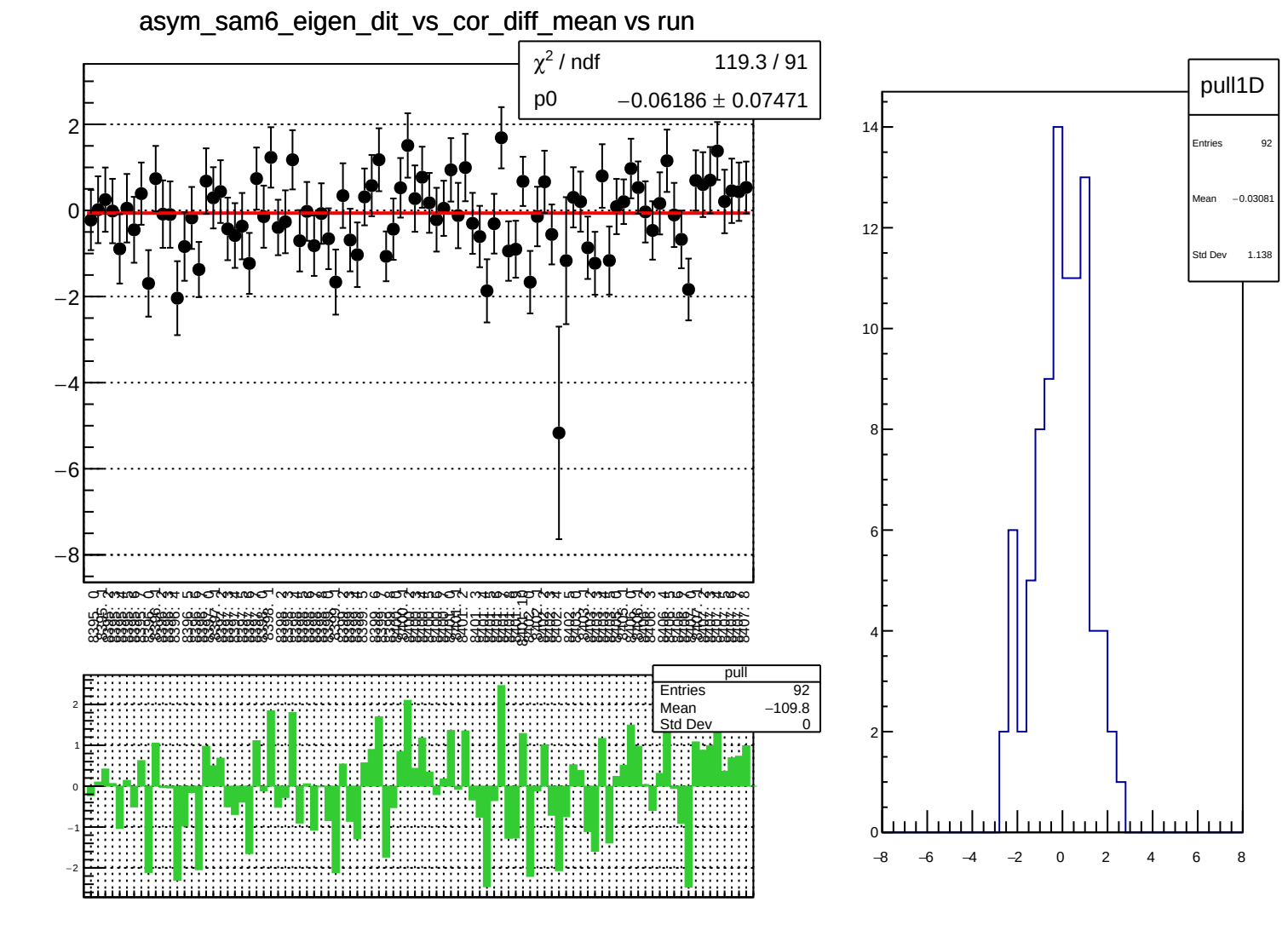

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 119.3 / 91
p0 −0.06185 ± 0.07471
pull
Entries 92
Mean −109.8
Std Dev 0
pull1D
Entries 92
Mean −0.03081
Std Dev 1.138

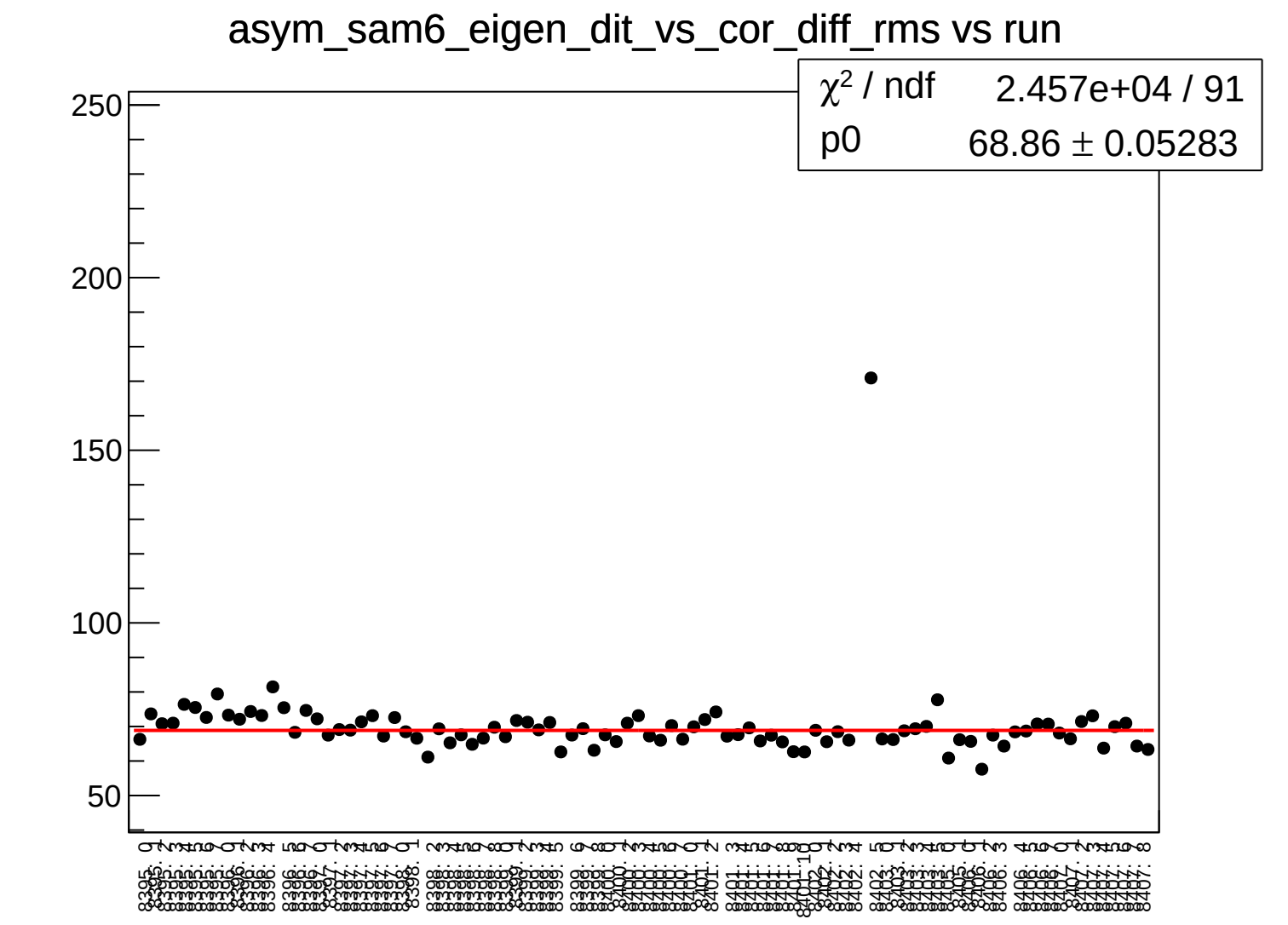

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.457e+04 / 91
p0 68.86 ± 0.05283
250
200
150
100
50

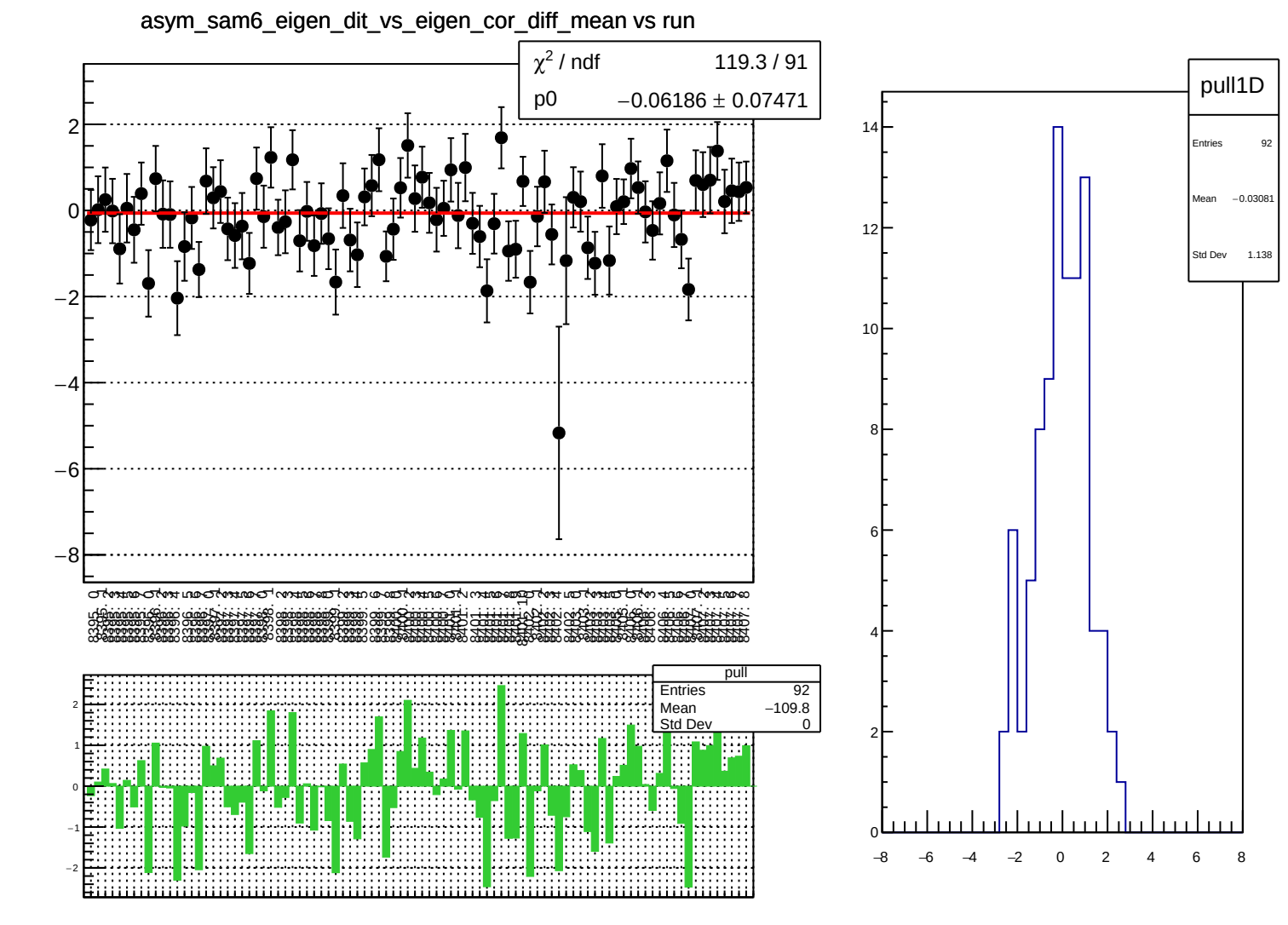

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 104.3 / 91
p0 −2.795e−06 ± 3.572e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 334.5
Std Dev 0
3
2
1
0
−1
−2
−3

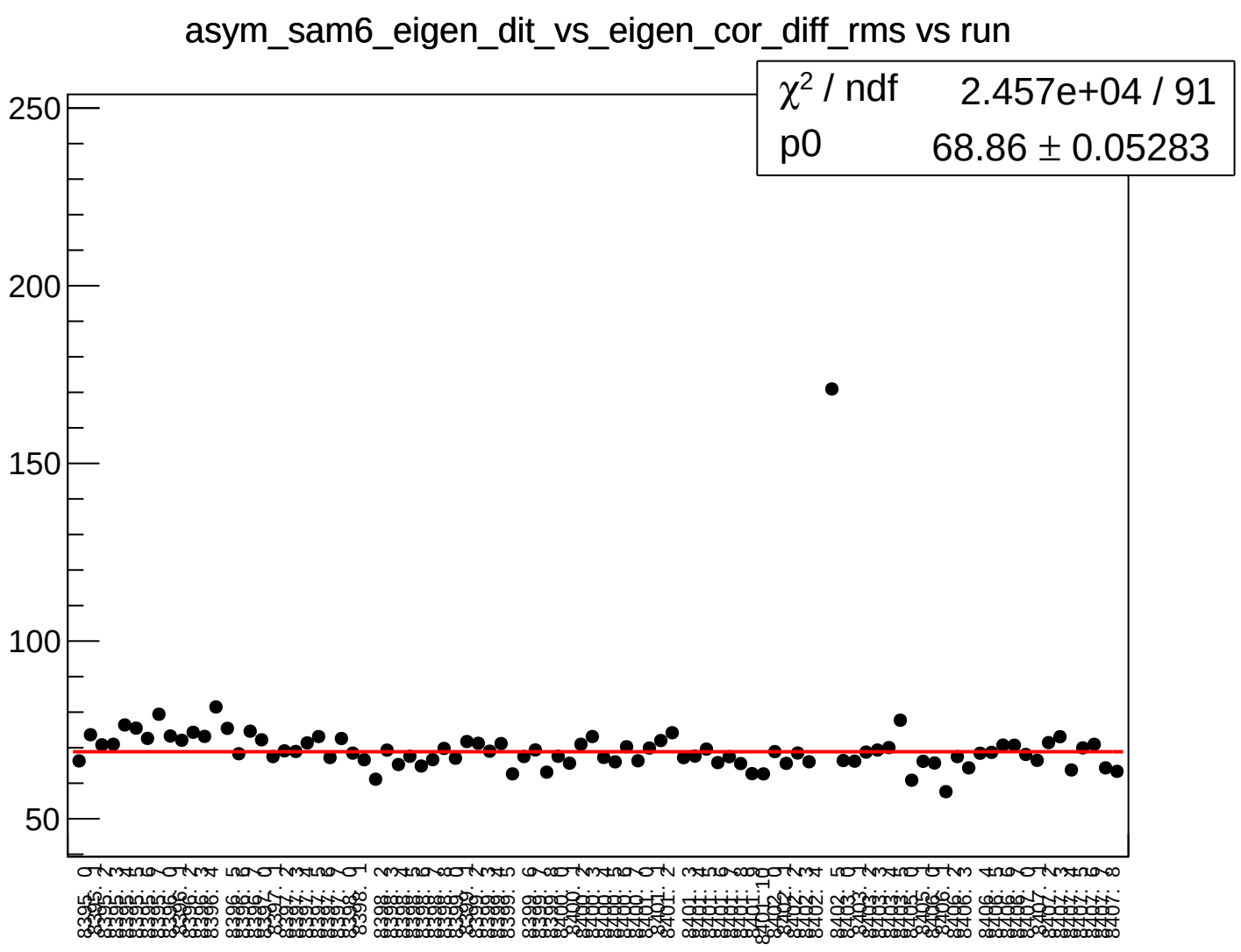

pull1D
Entries 92
Mean 0.003653
Std Dev 1.065
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

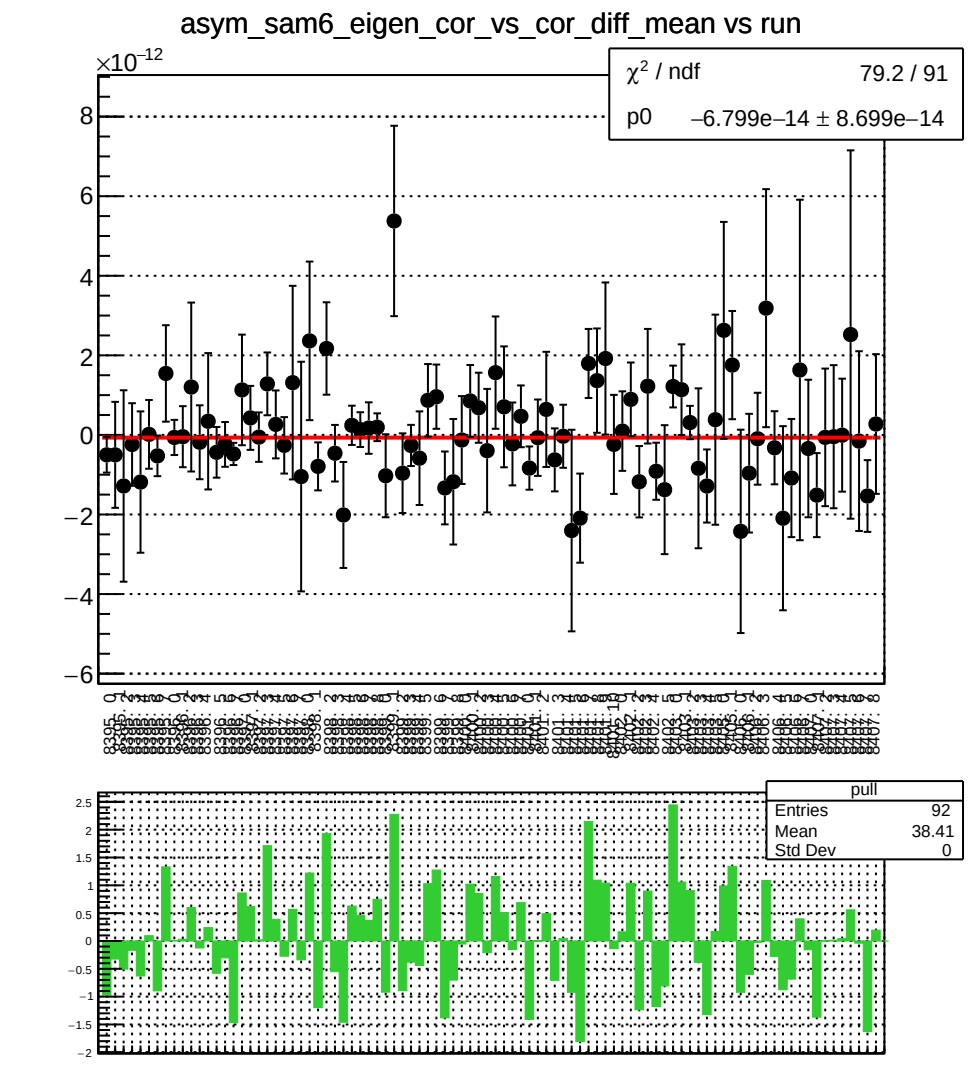

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.032e+04 / 91
p0 0.003306 ± 2.526e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003

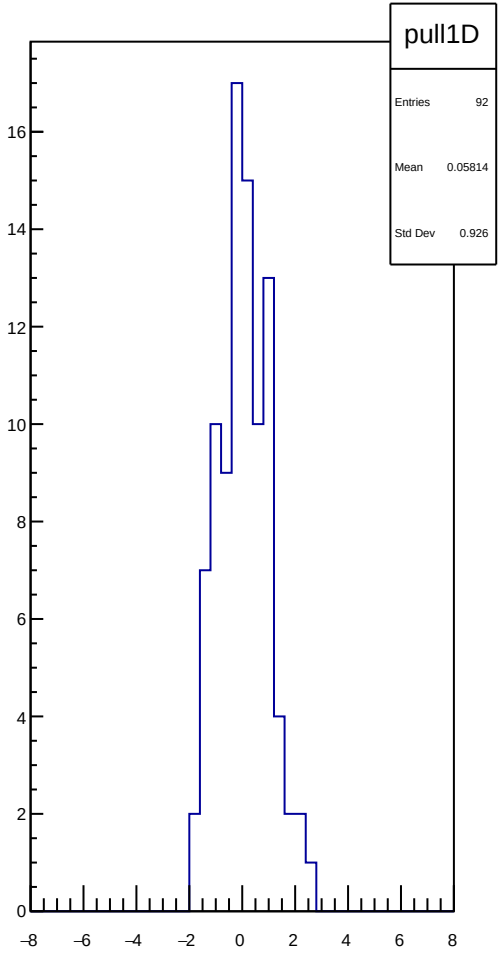

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 119.3 / 91
p0 −0.06186 ± 0.07471
pull
Entries 92
Mean −109.8
Std Dev 0
pull1D
Entries 92
Mean −0.03081
Std Dev 1.138

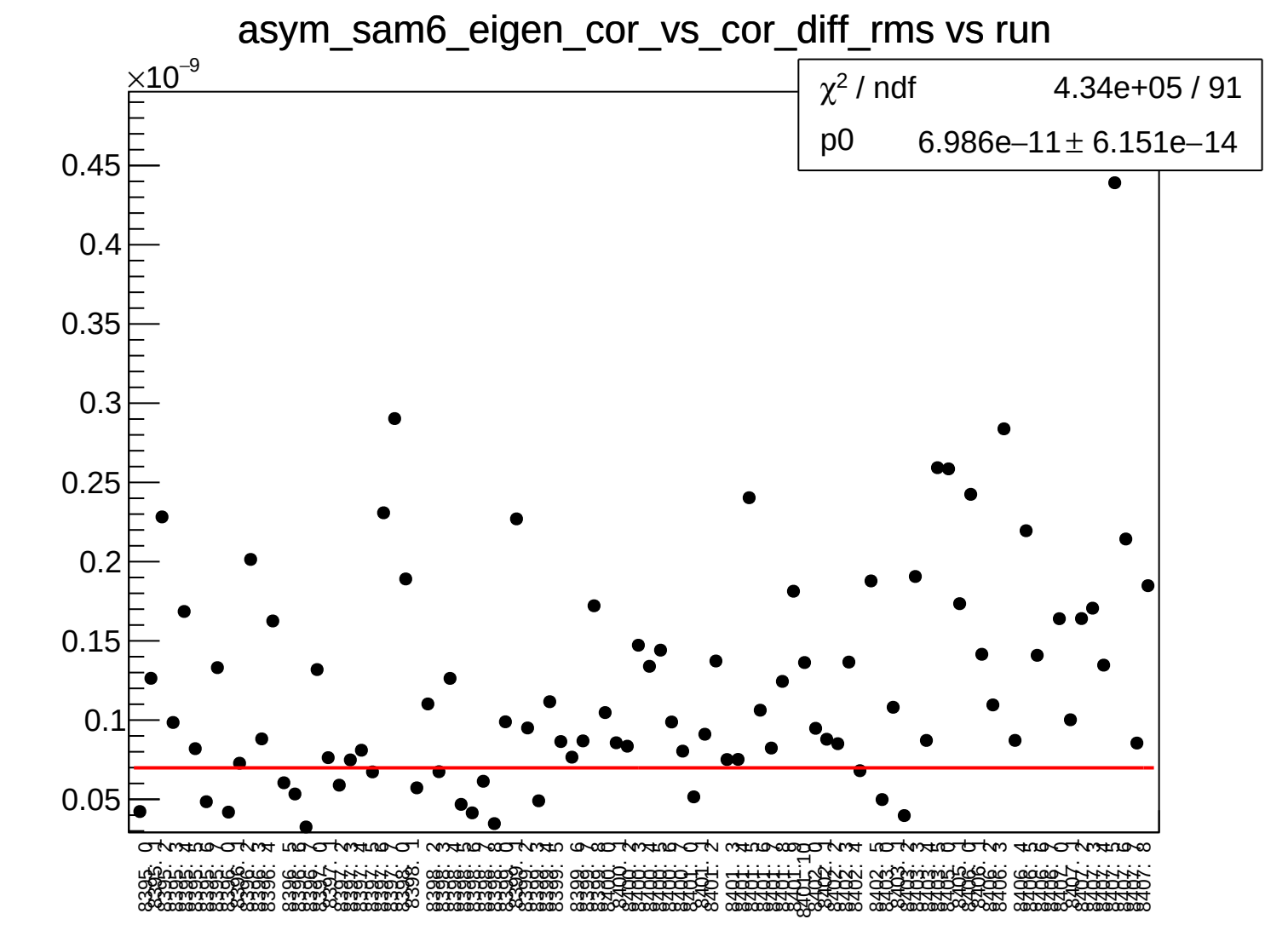

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.457e+04 / 91
p0 68.86 ± 0.05283
250
200
150
100
50

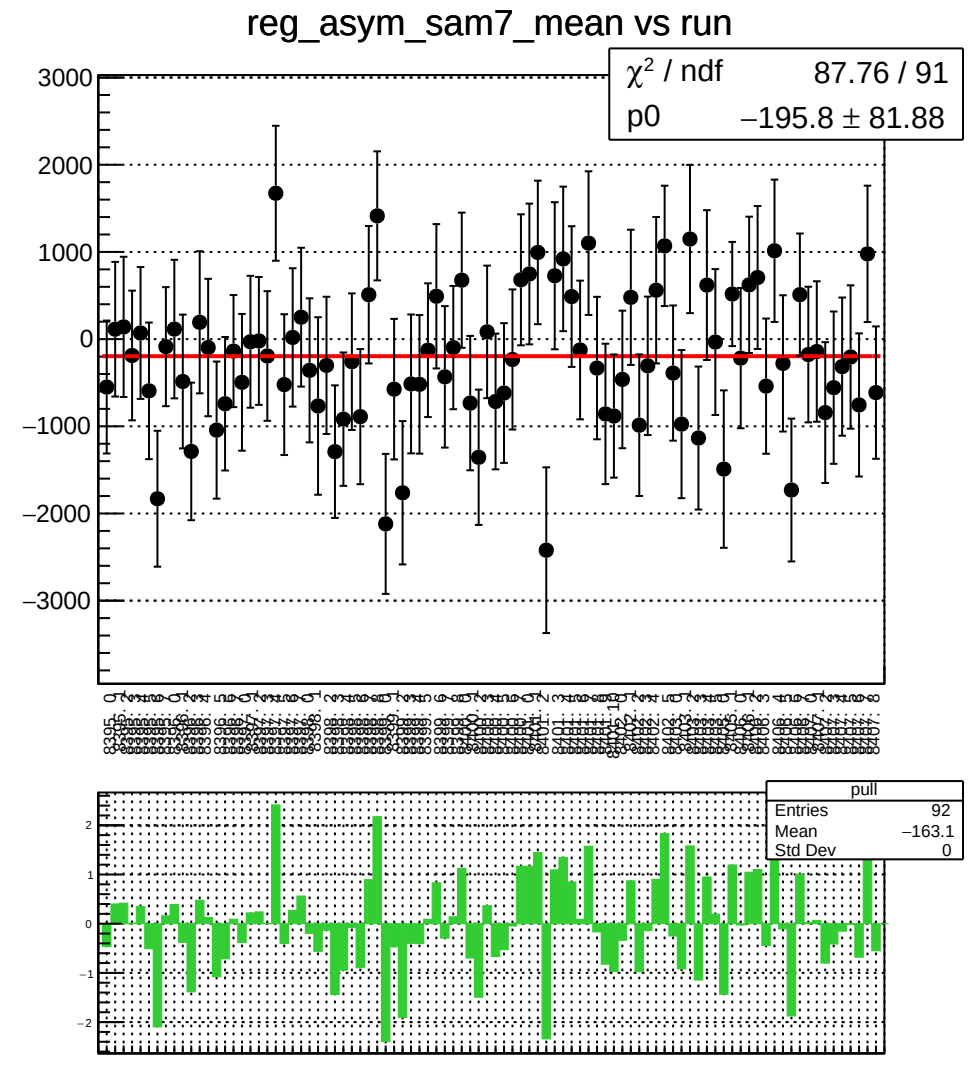

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 119.3 / 91
p0 −0.06186 ± 0.07471
pull
Entries 92
Mean −109.8
Std Dev 0
pull1D
Entries 92
Mean −0.03081
Std Dev 1.138

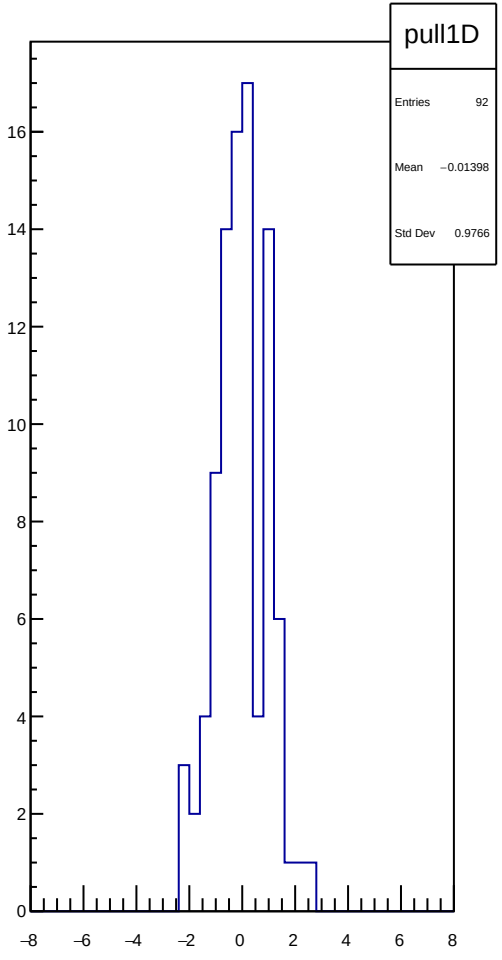

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.457e+04 / 91
p0 68.86 ± 0.05283
250
200
150
100
50

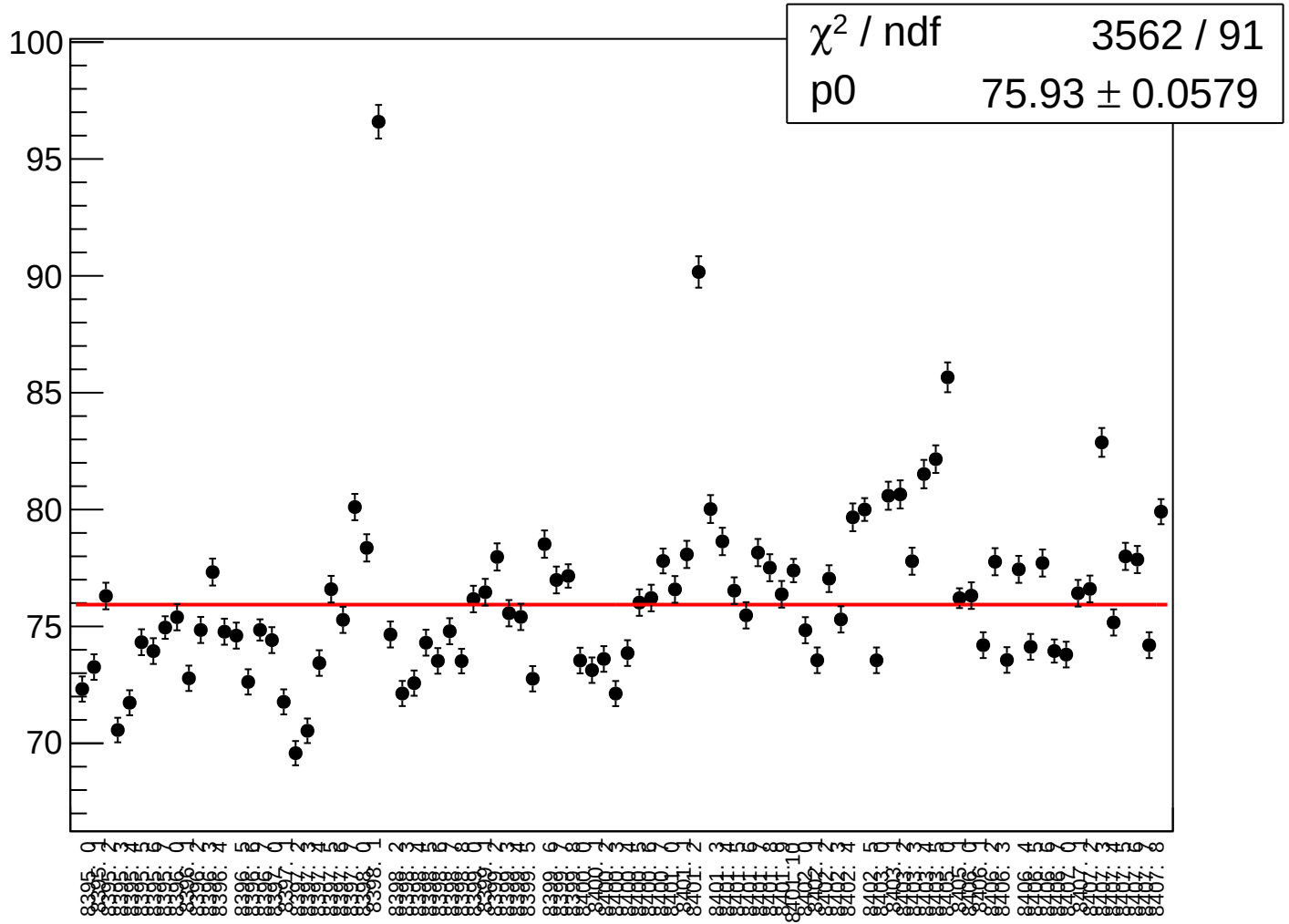

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.2 / 91
p0 −6.799e−14 ± 8.699e−14
pull
Entries 92
Mean 38.41
Std Dev 0

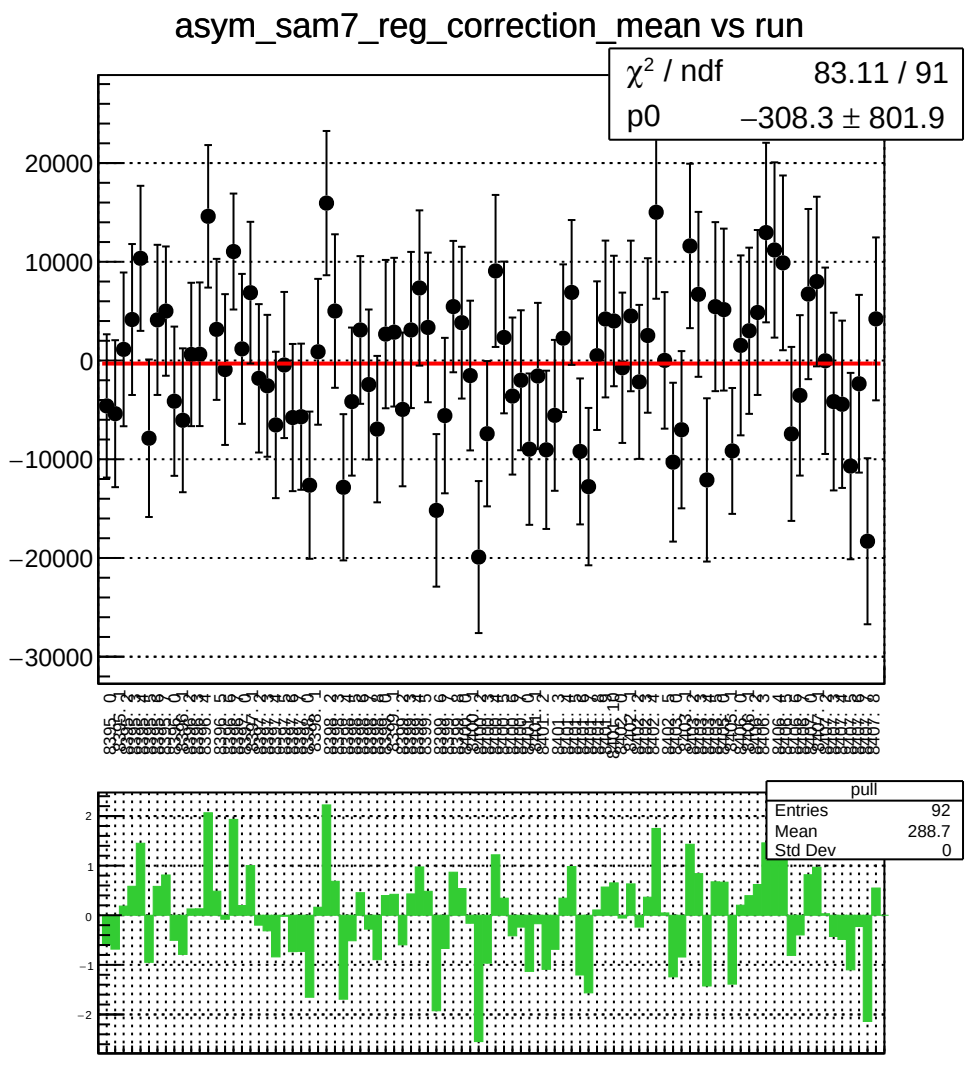

pull1D
Entries 92
Mean 0.05814
Std Dev 0.926

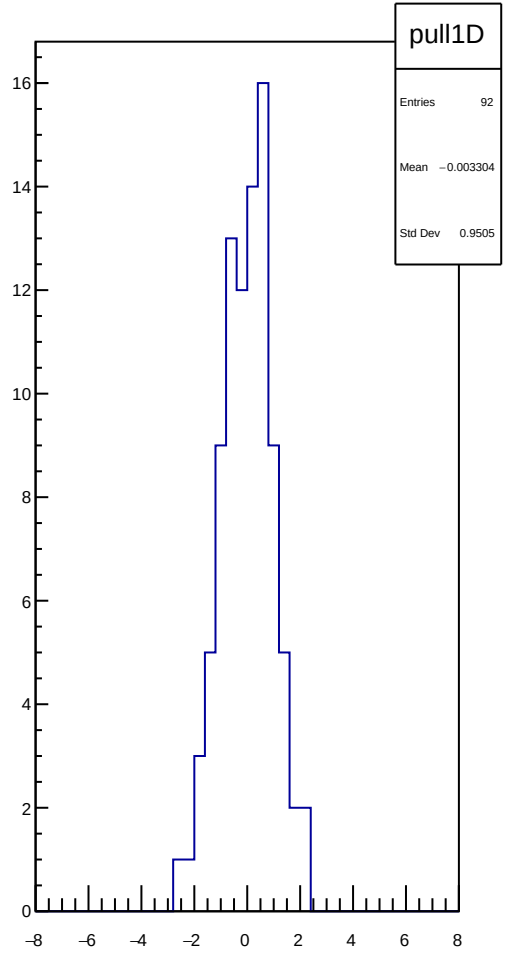

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.34e+05 / 91
p0 6.986e−11 ± 6.151e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05


reg_asym_sam7_mean vs run
χ² / ndf 87.76 / 91
p0 −195.8 ± 81.88
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −163.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.01398
Std Dev 0.9766
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam7_rms vs run
χ² / ndf 3562 / 91
p0 75.93 ± 0.0579
100
95
90
85
80
75
70


asym_sam7_reg_correction_mean vs run
χ² / ndf 83.11 / 91
p0 −308.3 ± 801.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 288.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.003304
Std Dev 0.9505
16
14
12
10
8
6
4
2
0
−8
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−4
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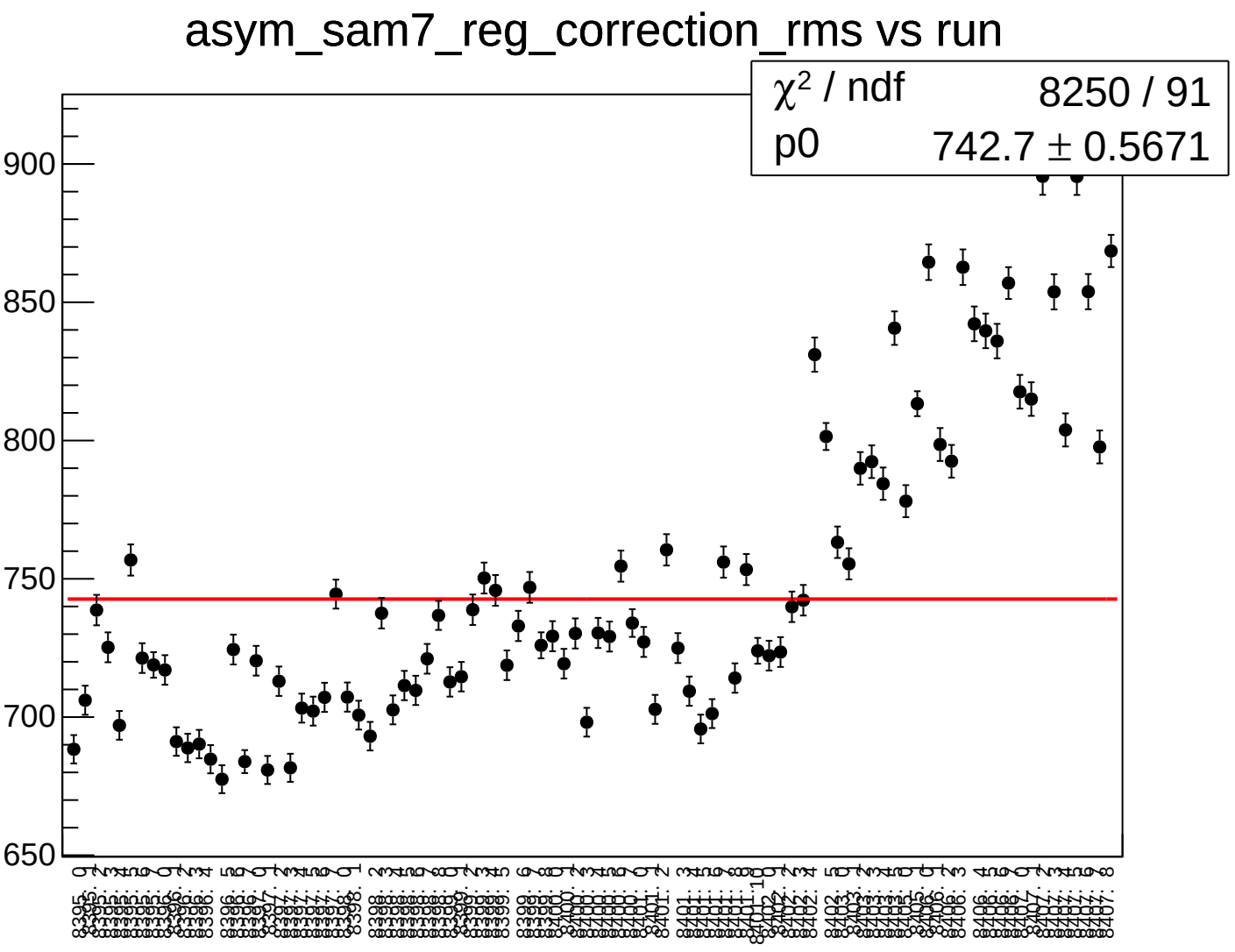
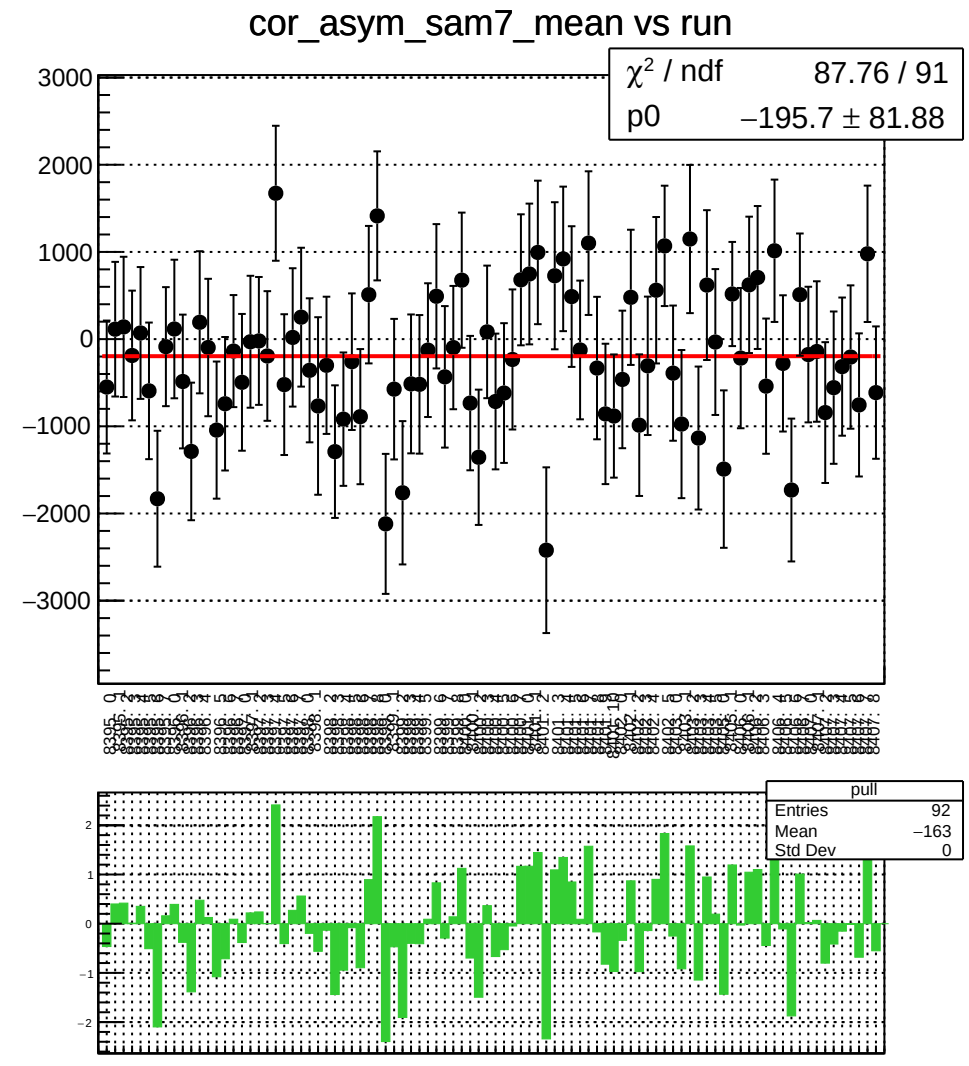
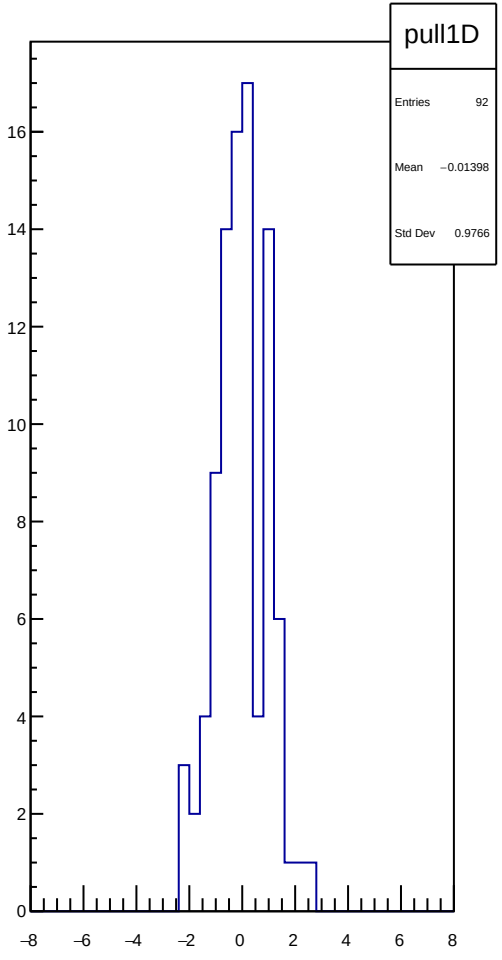
0
2
4
6
8


asym_sam7_reg_correction_rms vs run
χ² / ndf 8250 / 91
p0 742.7 ± 0.5671
900
850
800
750
700
650


cor_asym_sam7_mean vs run
χ² / ndf 87.76 / 91
p0 −195.7 ± 81.88
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −163
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.01398
Std Dev 0.9766
16
14
12
10
8
6
4
2
0
−8
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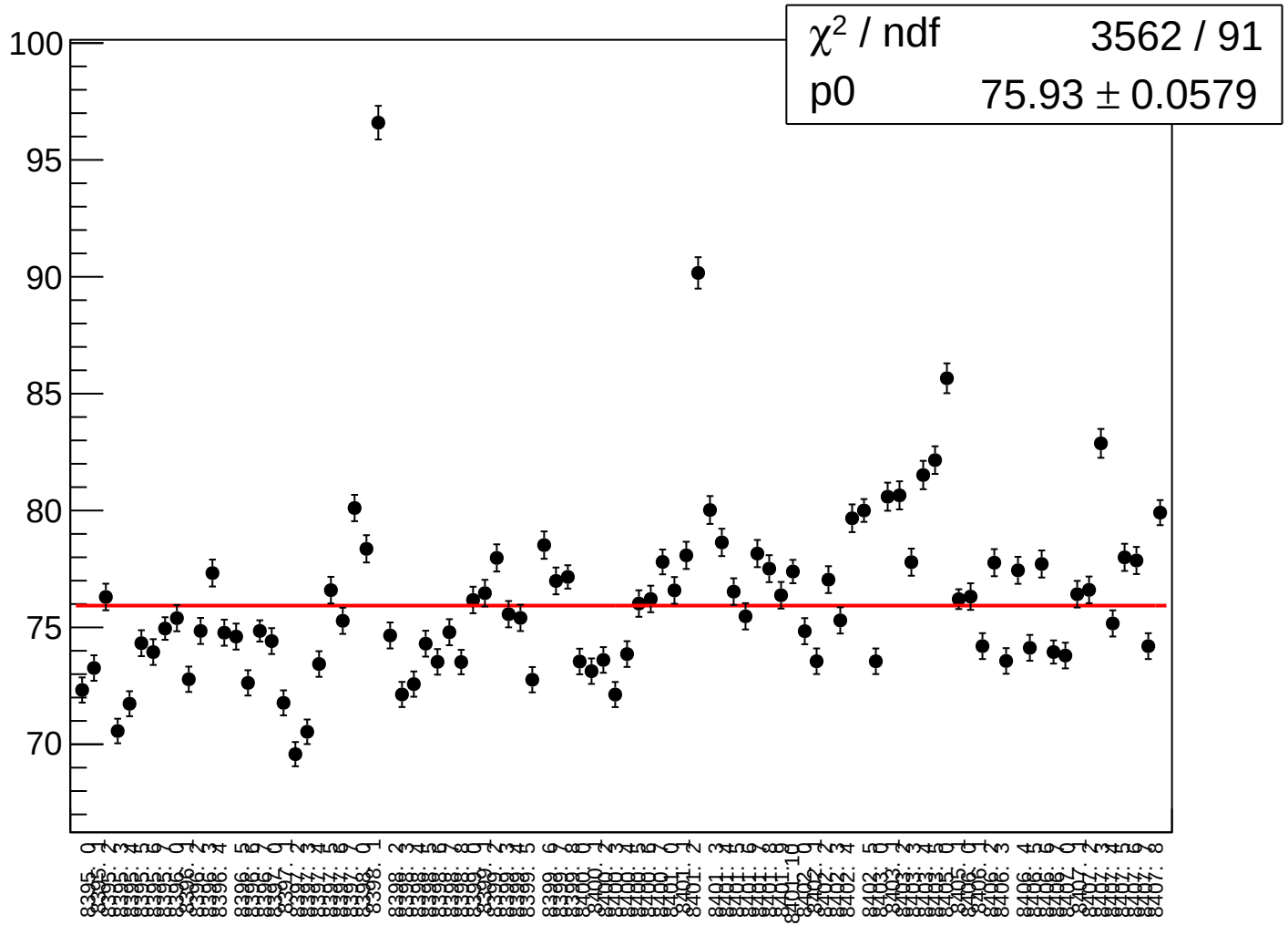
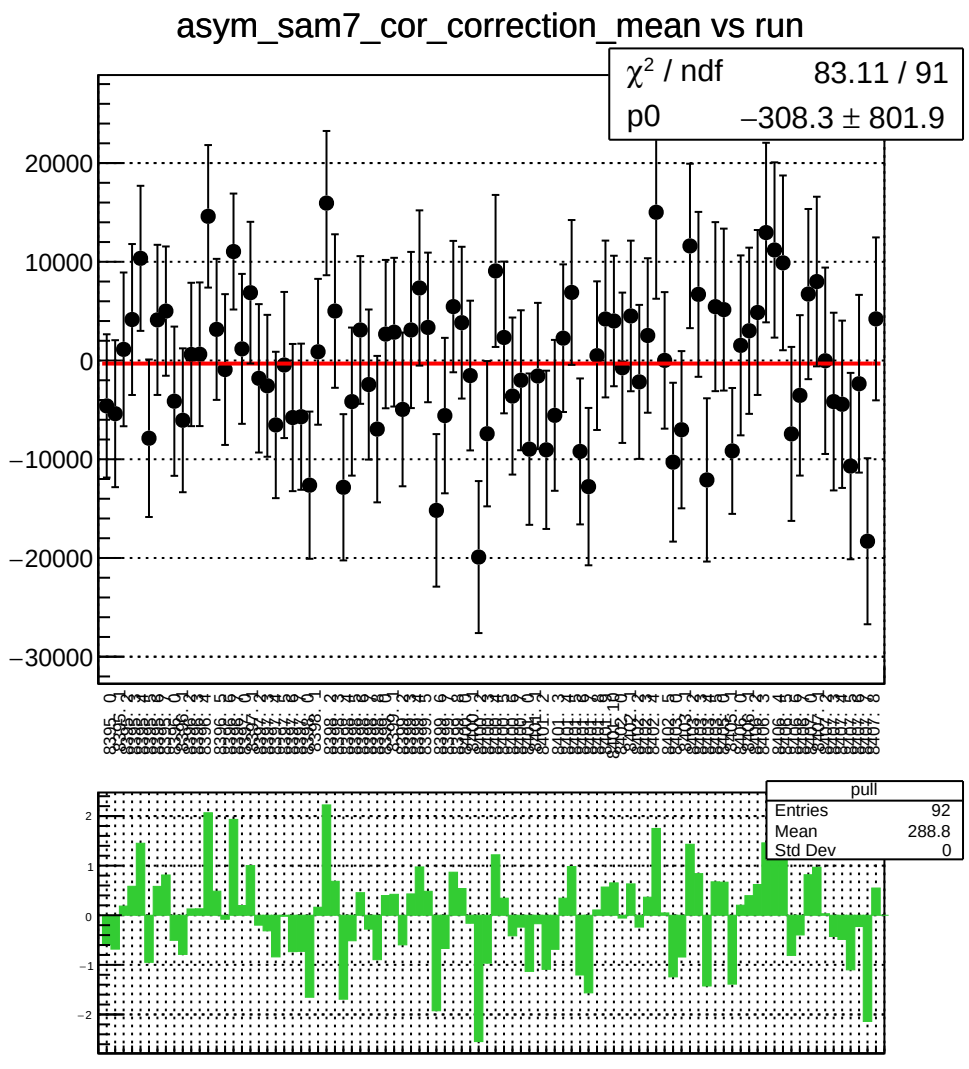
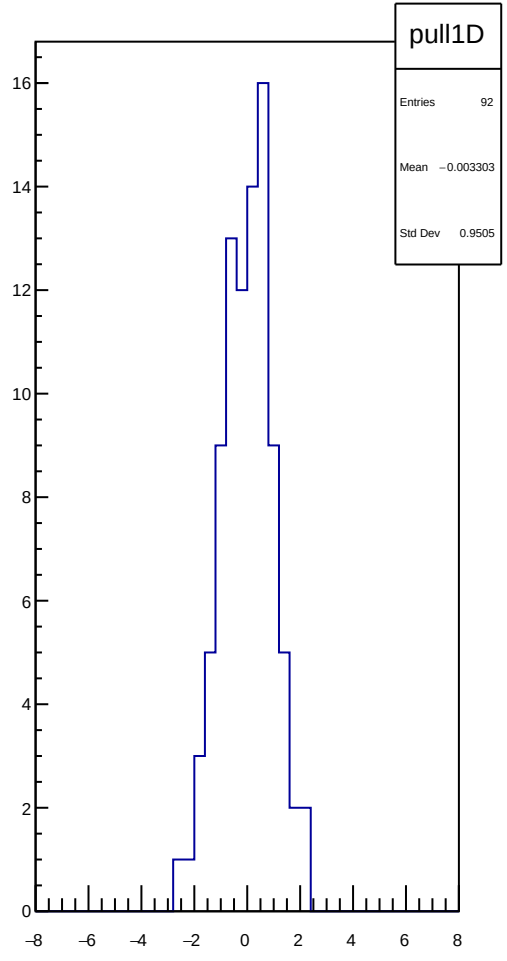
−4
−2
0
2
4
6
8


cor_asym_sam7_rms vs run
$\chi^2$ / ndf 3562 / 91
p0 75.93 ± 0.0579
100
95
90
85
80
75
70


asym_sam7_cor_correction_mean vs run
χ² / ndf 83.11 / 91
p0 −308.3 ± 801.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 288.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.003303
Std Dev 0.9505
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14
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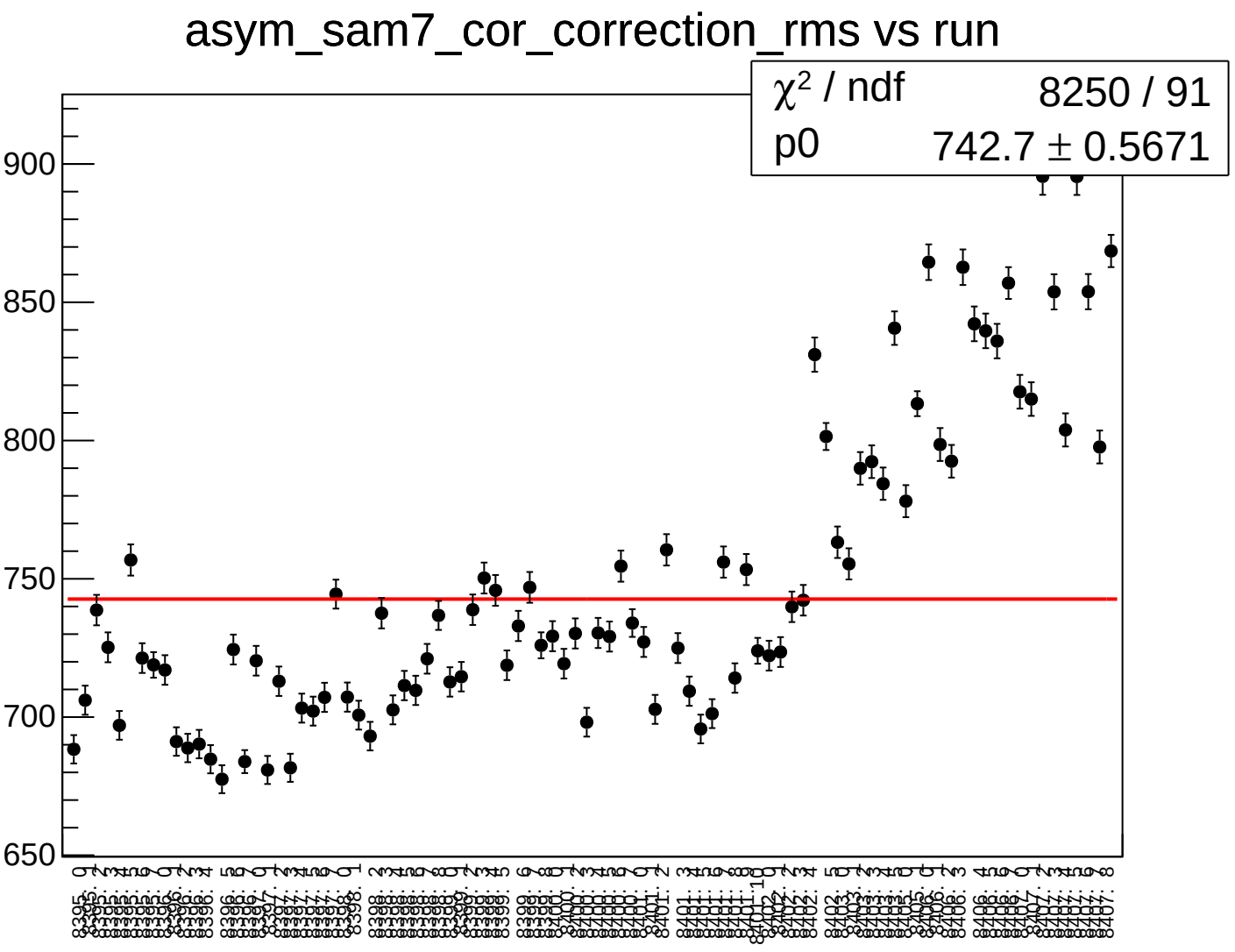
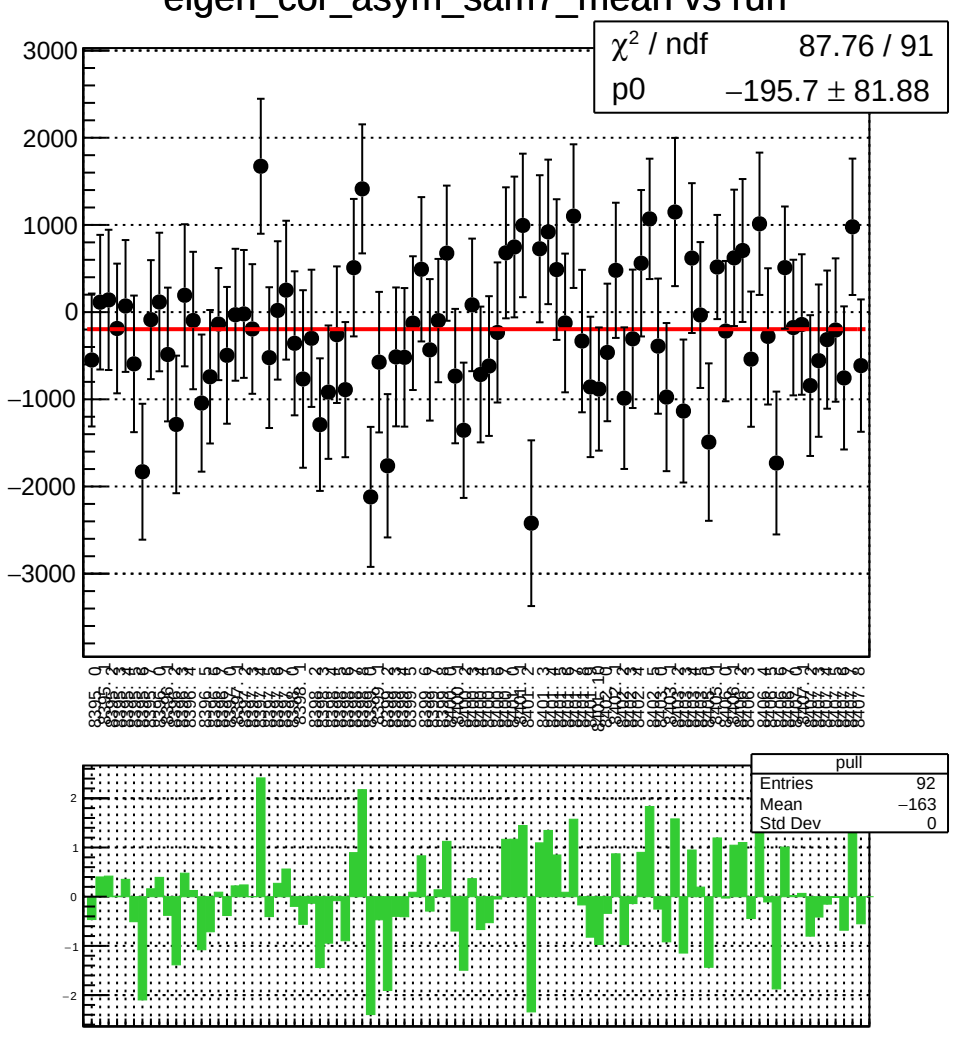
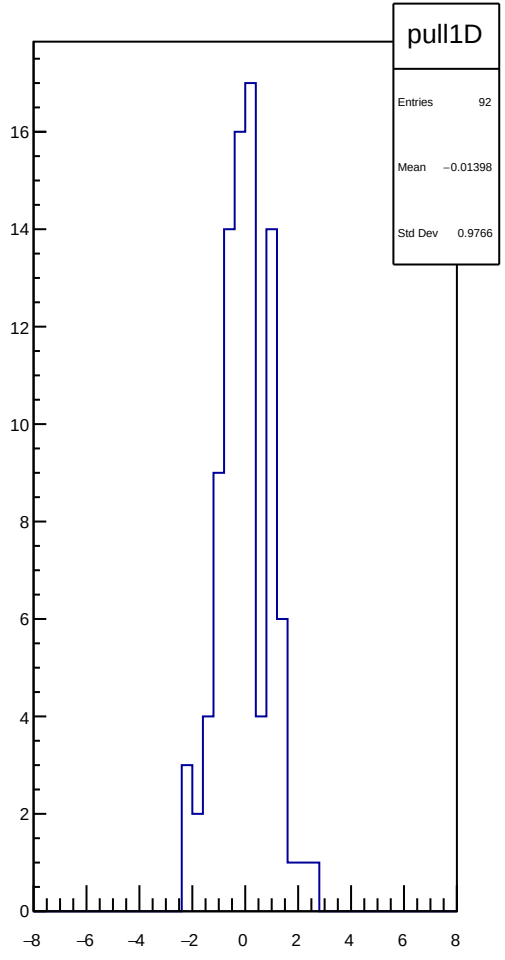
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_cor_correction_rms vs run
χ² / ndf 8250 / 91
p0 742.7 ± 0.5671
900
850
800
750
700
650


eigen_cor_asym_sam7_mean vs run
χ² / ndf 87.76 / 91
p0 −195.7 ± 81.88
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −163
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.01398
Std Dev 0.9766
16
14
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10
8
6
4
2
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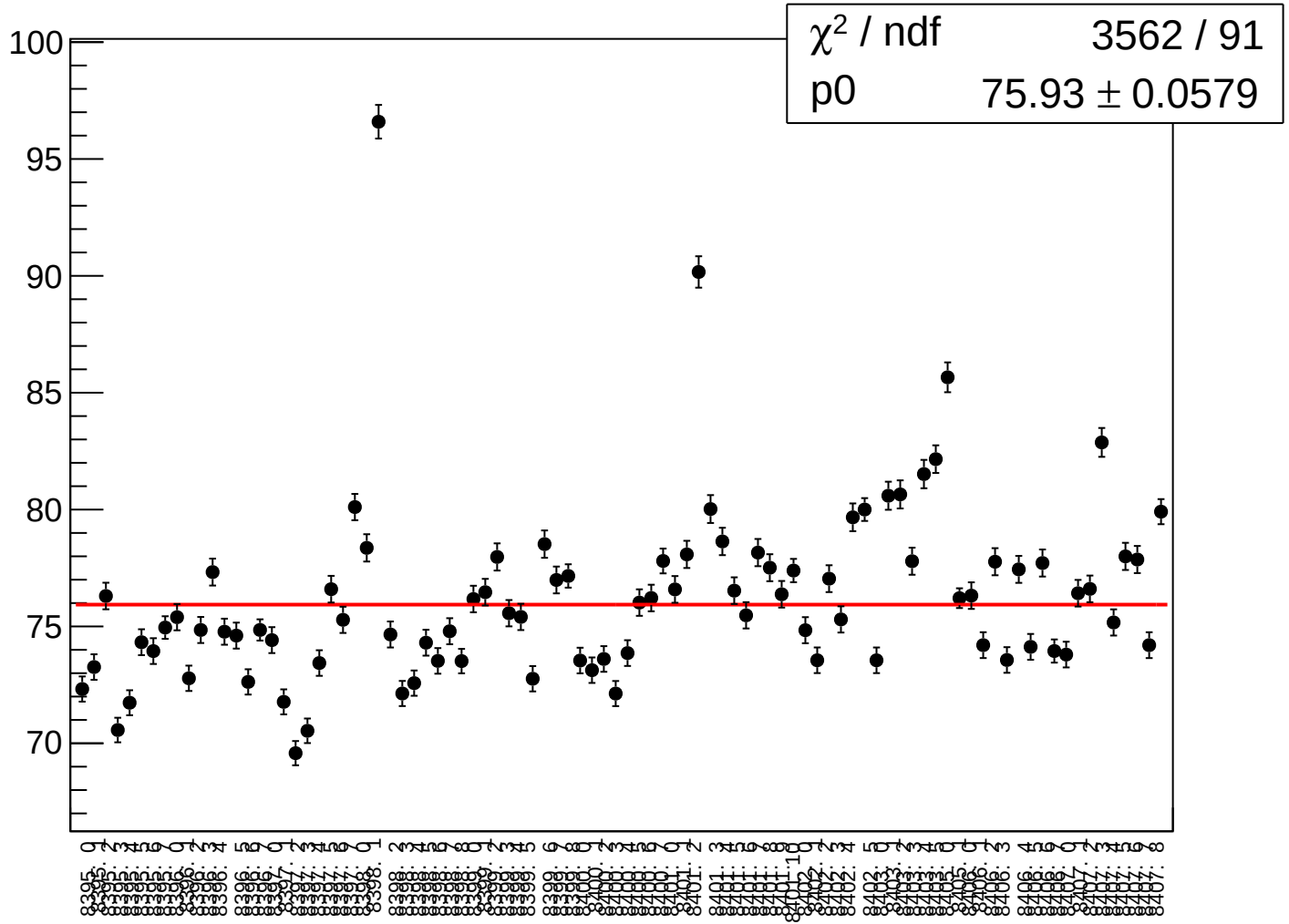
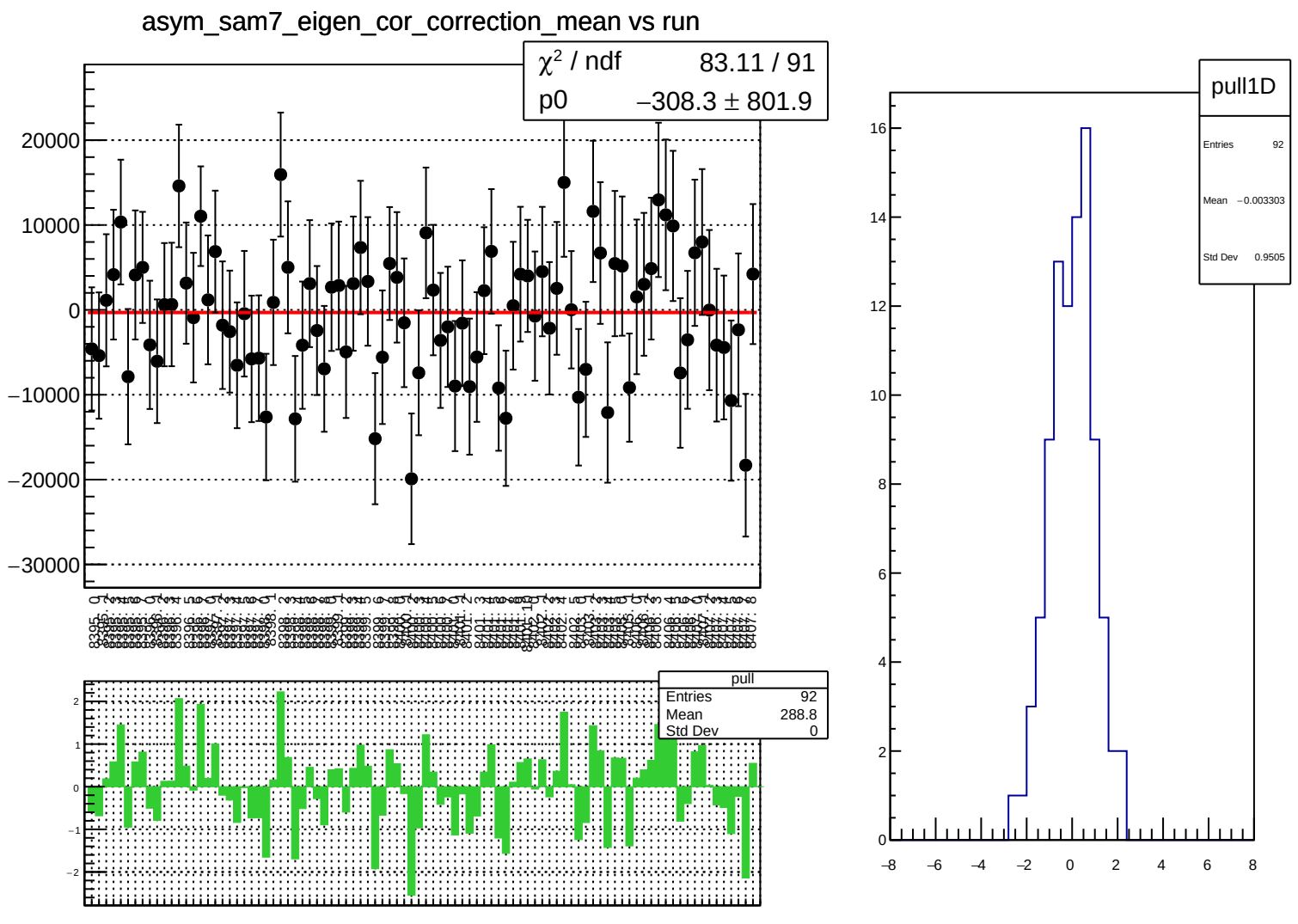
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam7_rms vs run
$\chi^2$ / ndf 3562 / 91
p0 75.93 ± 0.0579
100
95
90
85
80
75
70


asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 83.11 / 91
p0 −308.3 ± 801.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 288.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.003303
Std Dev 0.9505
16
14
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10
8
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2
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2
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6
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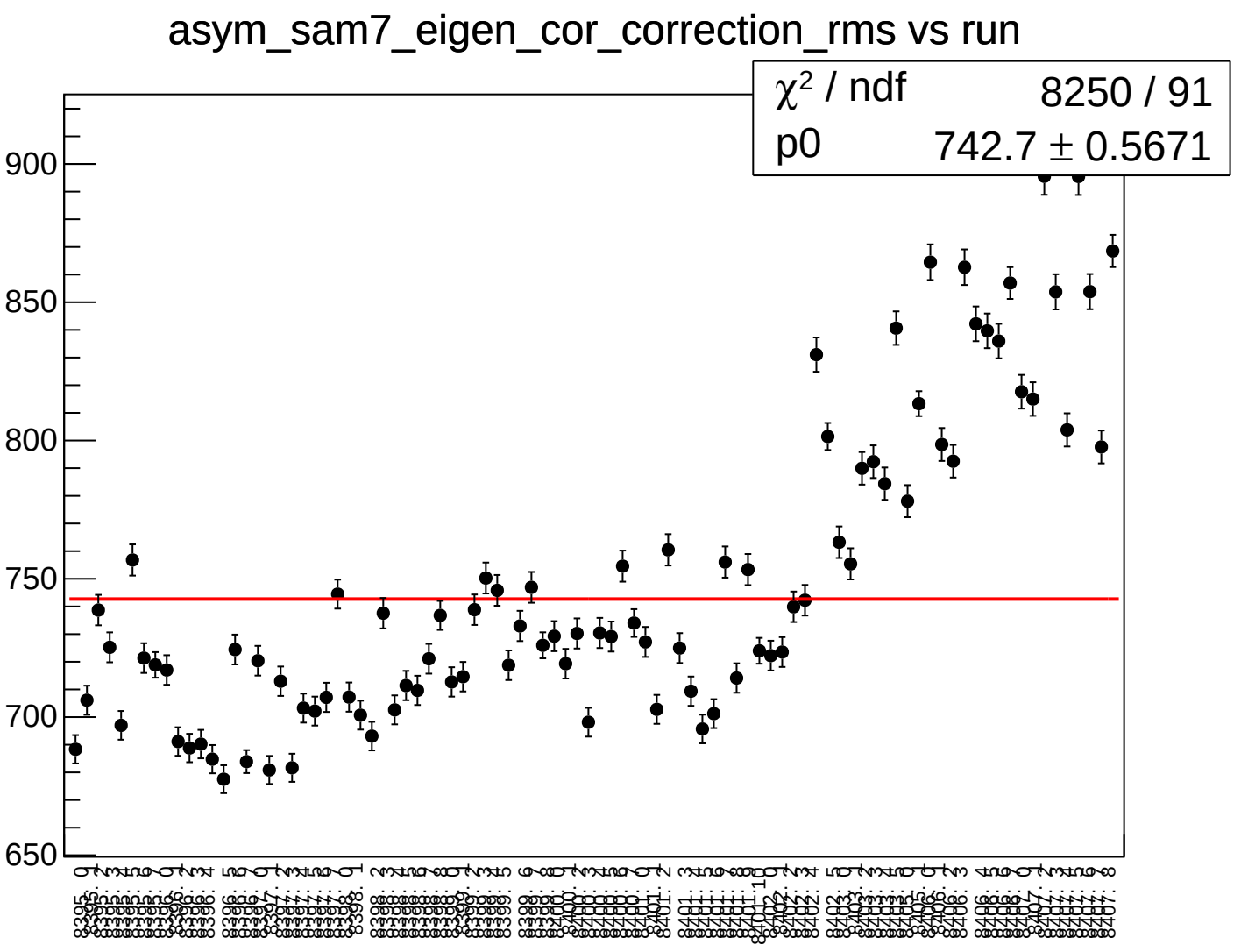
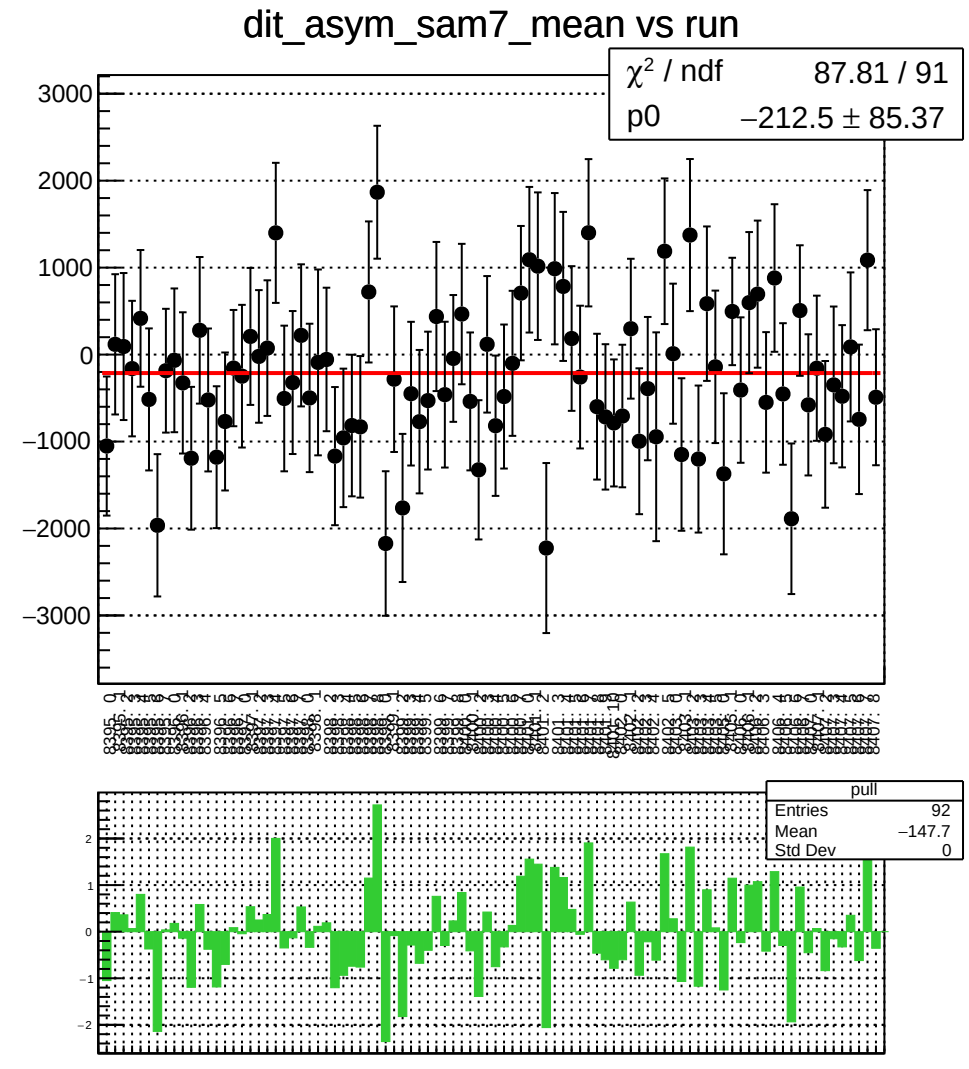
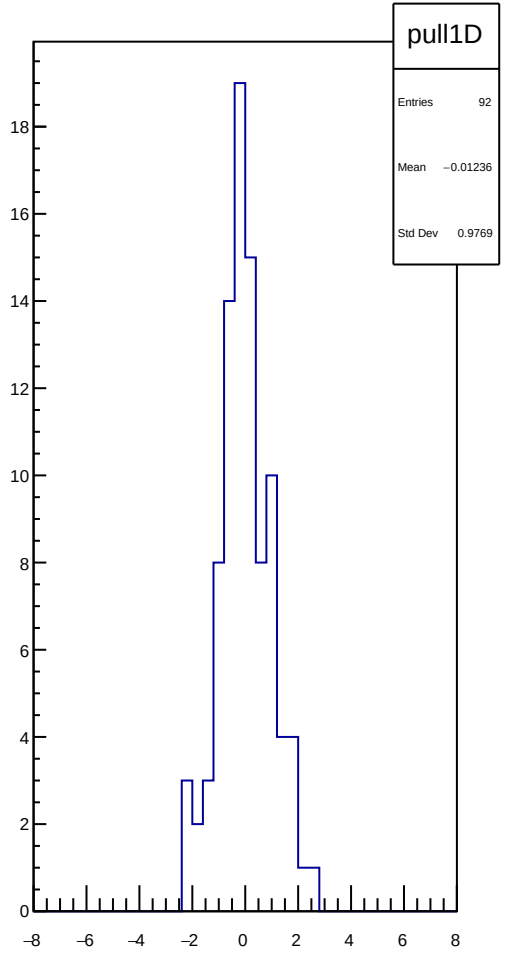
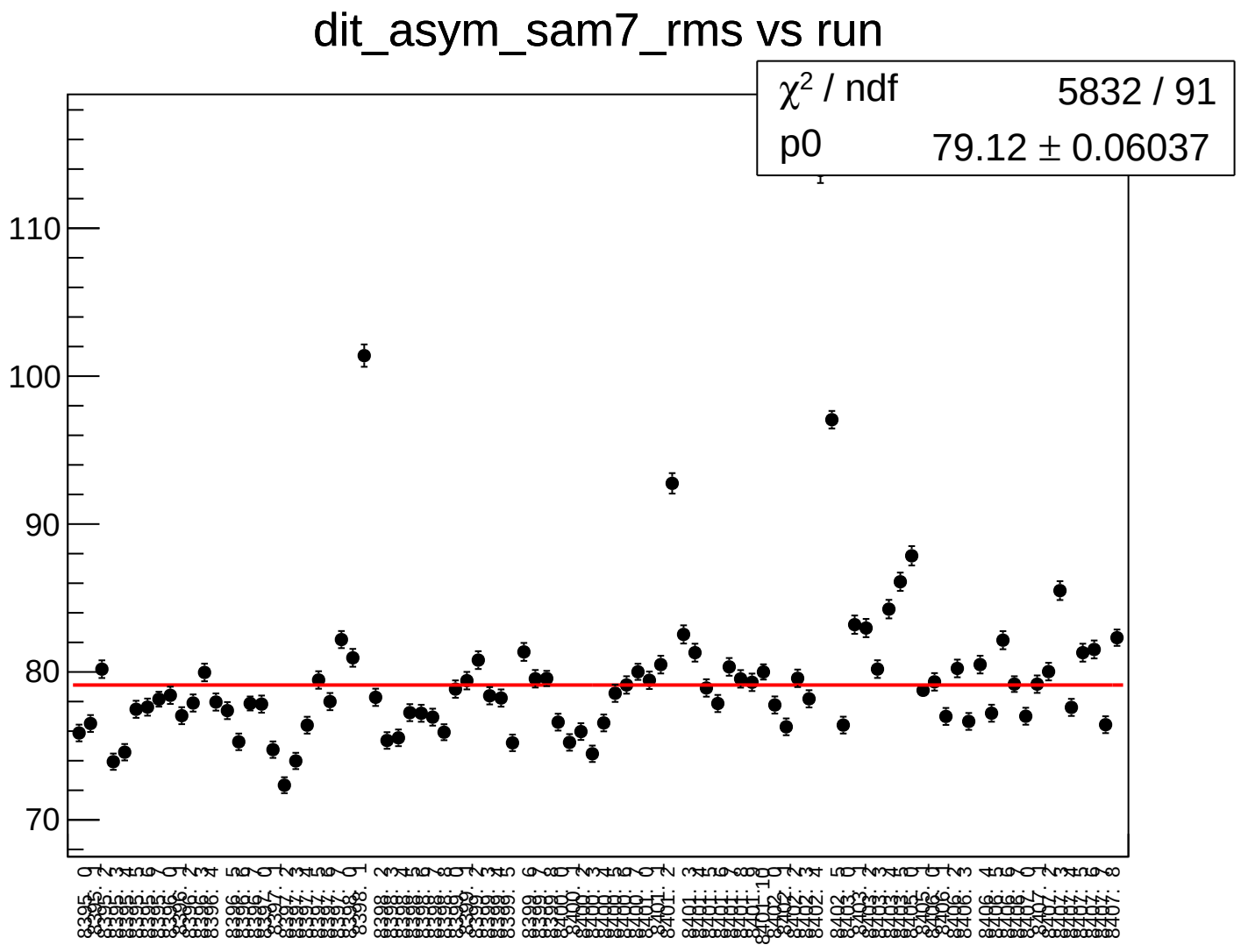
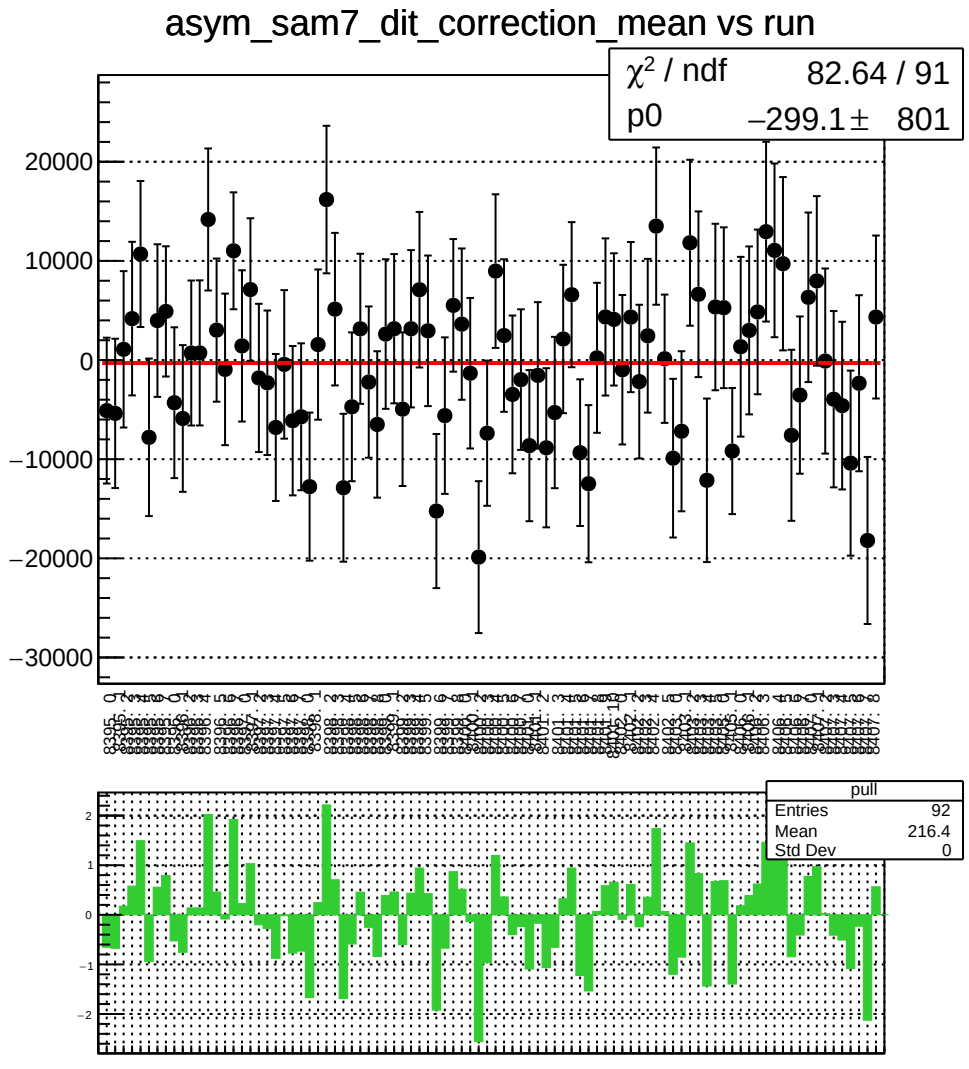
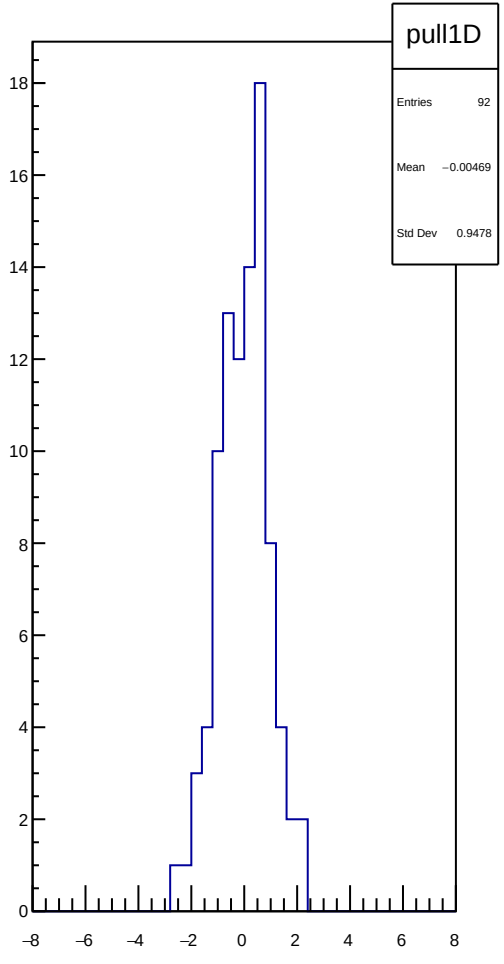

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 8250 / 91
p0 742.7 ± 0.5671
900
850
800
750
700
650


dit_asym_sam7_mean vs run
χ² / ndf 87.81 / 91
p0 −212.5 ± 85.37
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −147.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.01236
Std Dev 0.9769
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam7_rms vs run
$\chi^2$ / ndf 5832 / 91
p0 79.12 ± 0.06037
110
100
90
80
70


asym_sam7_dit_correction_mean vs run
χ² / ndf 82.64 / 91
p0 −299.1 ± 801
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 216.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 92
Mean −0.00469
Std Dev 0.9478
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16
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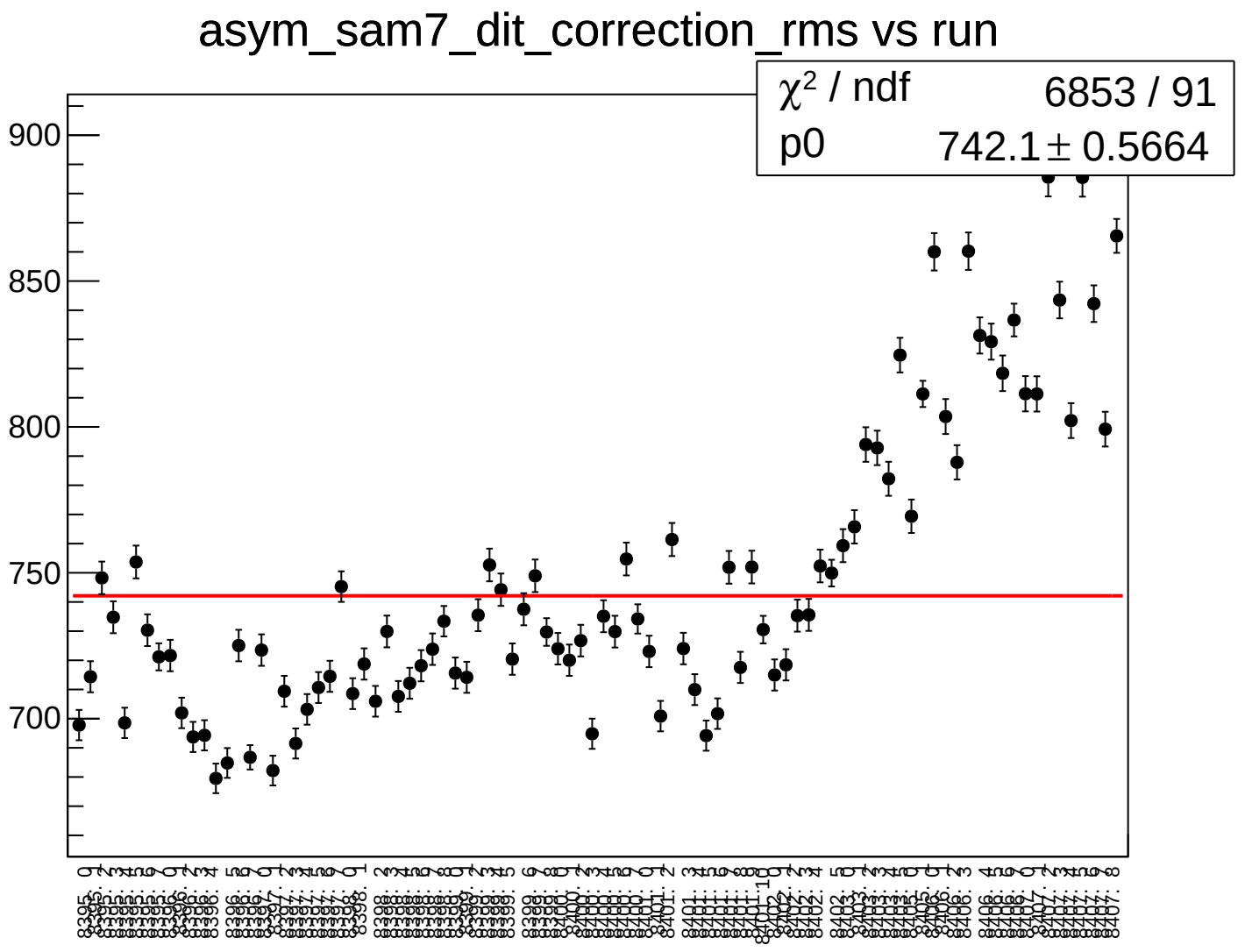
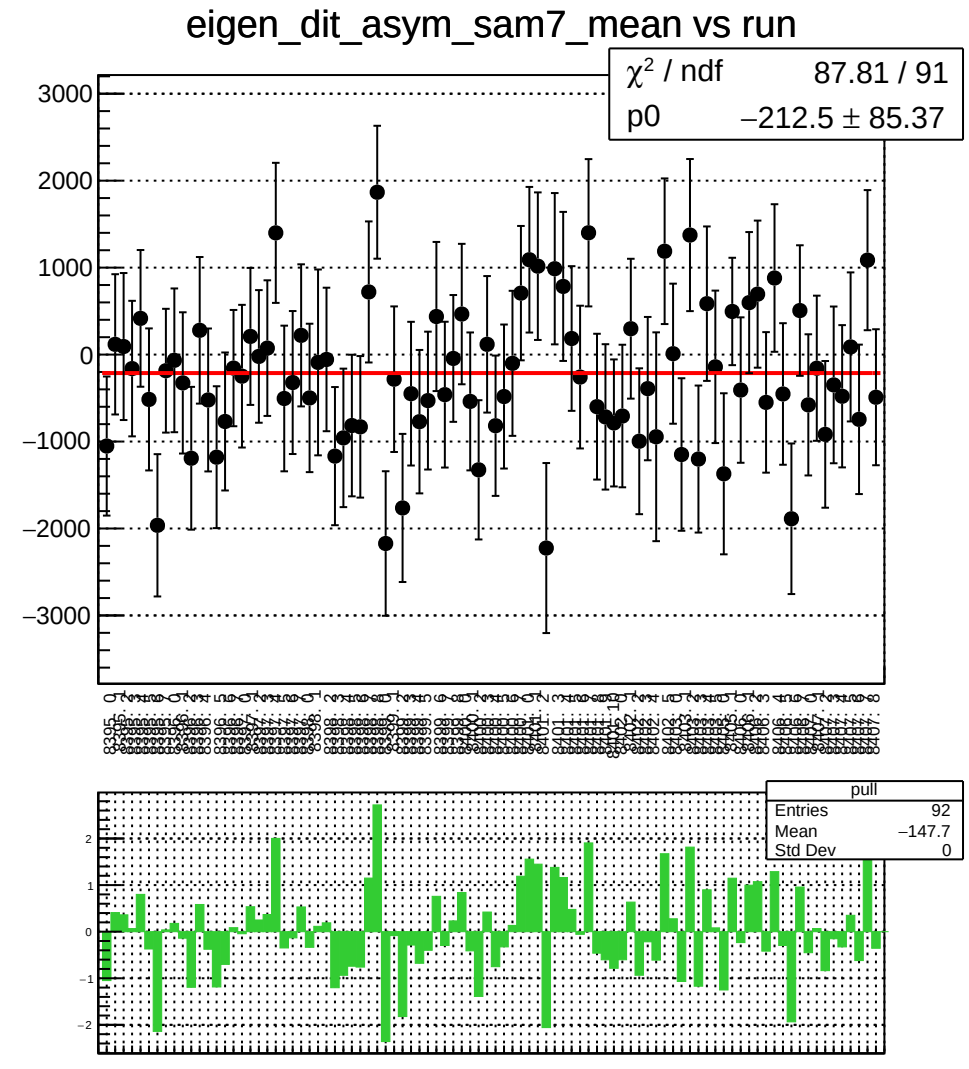
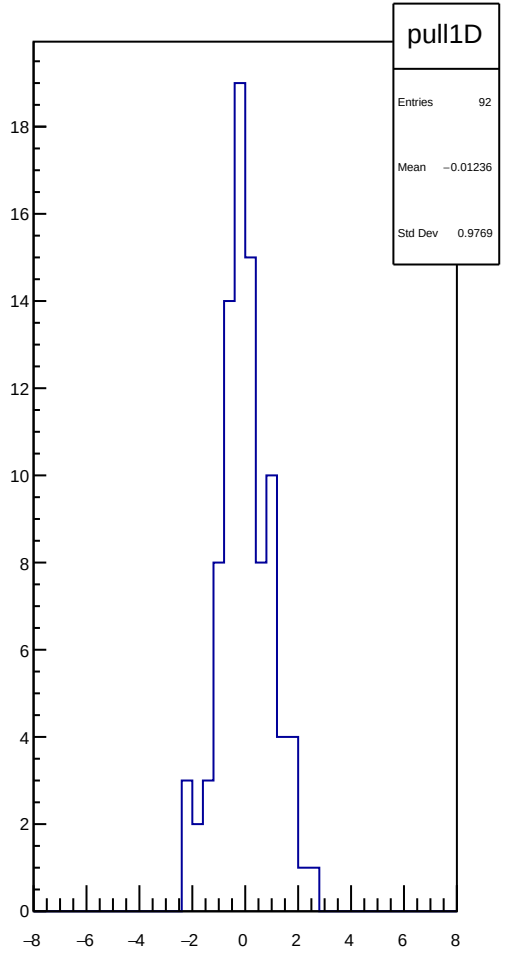
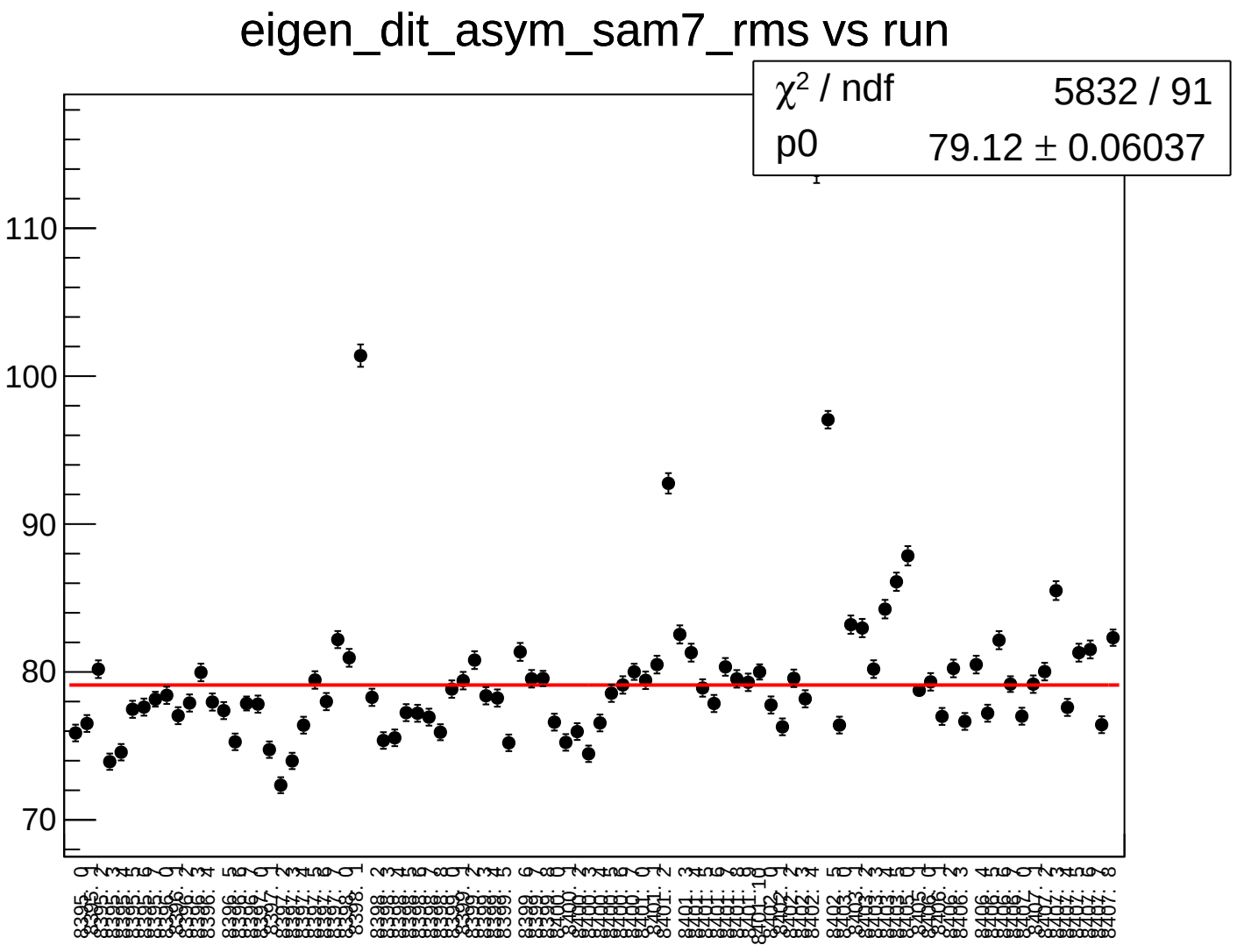
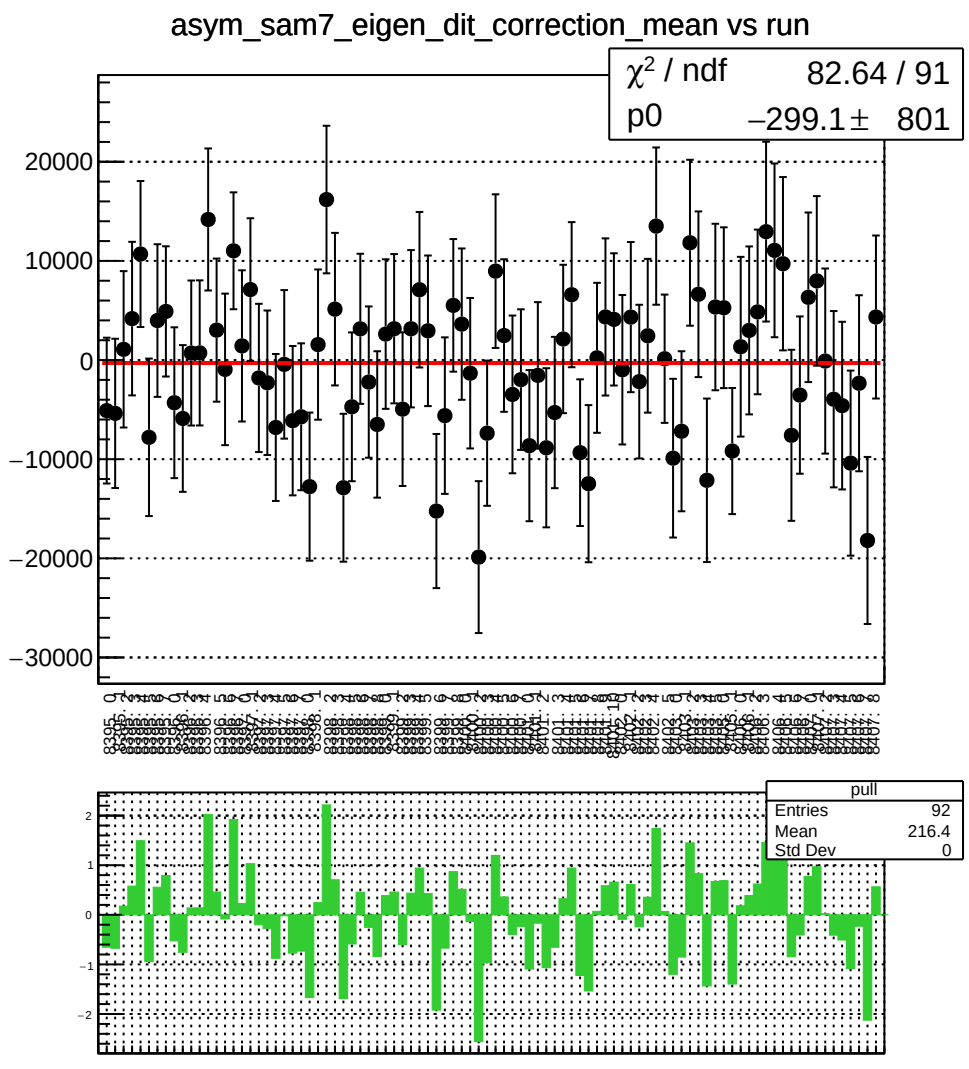
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

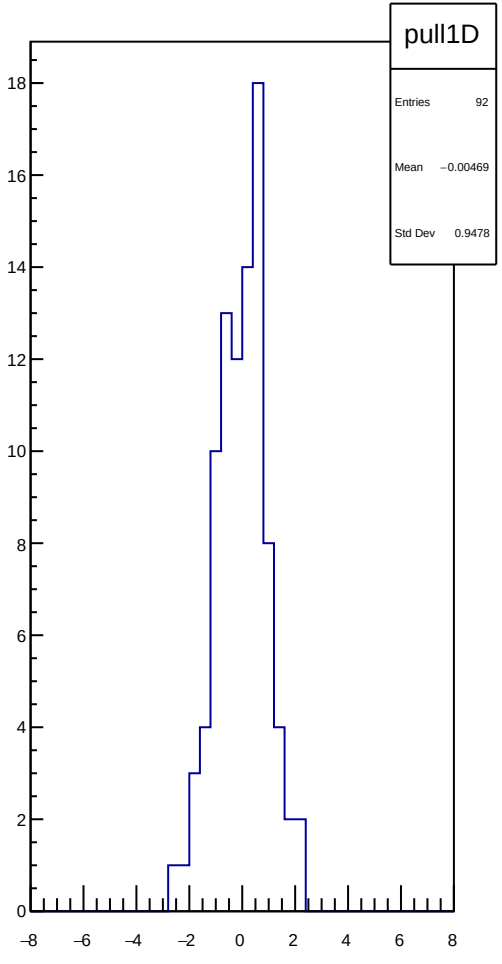

asym_sam7_dit_correction_rms vs run
χ² / ndf 6853 / 91
p0 742.1 ± 0.5664
900
850
800
750
700

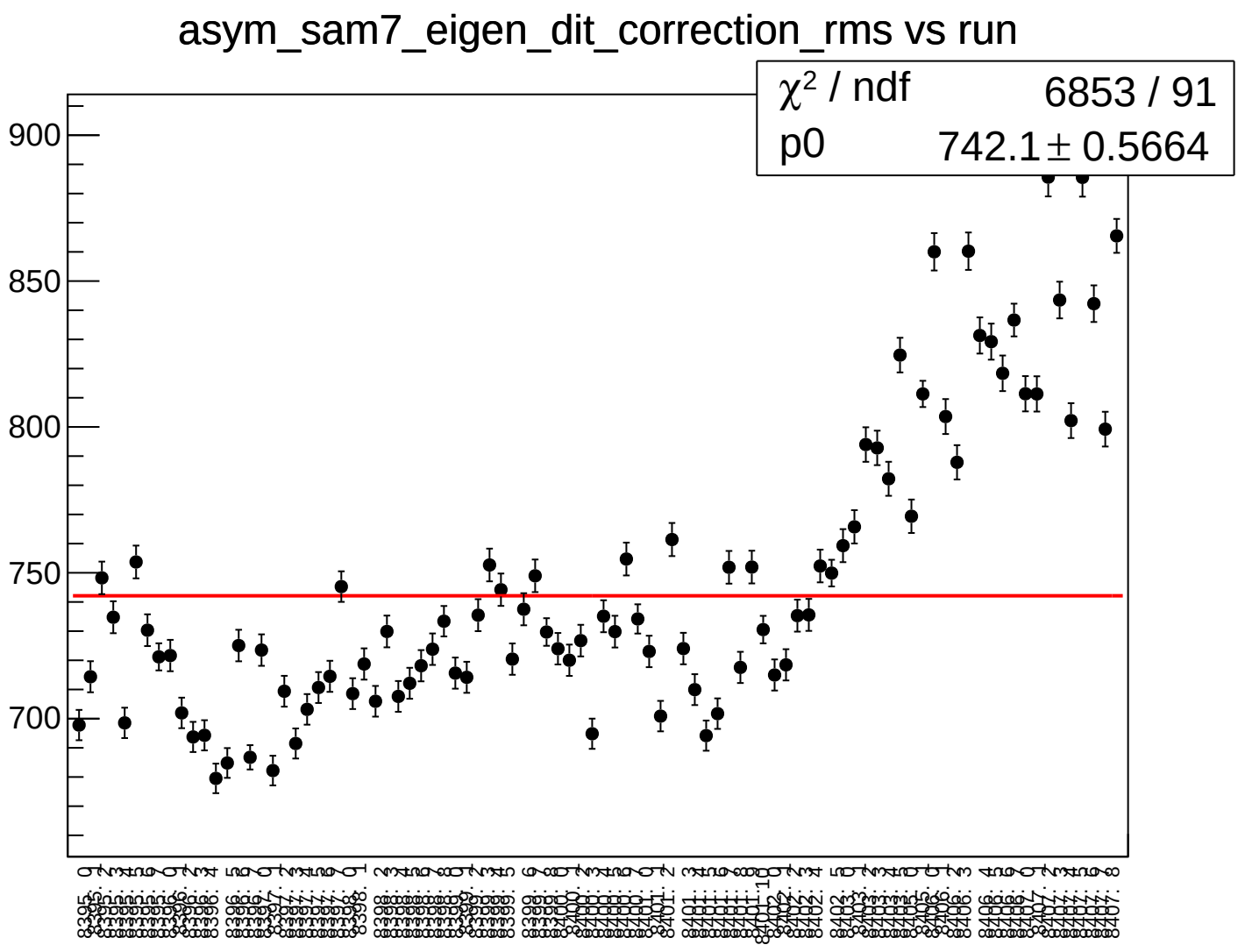

eigen_dit_asym_sam7_mean vs run
χ² / ndf 87.81 / 91
p0 −212.5 ± 85.37
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −147.7
Std Dev 0
2
1
0
−1
−2

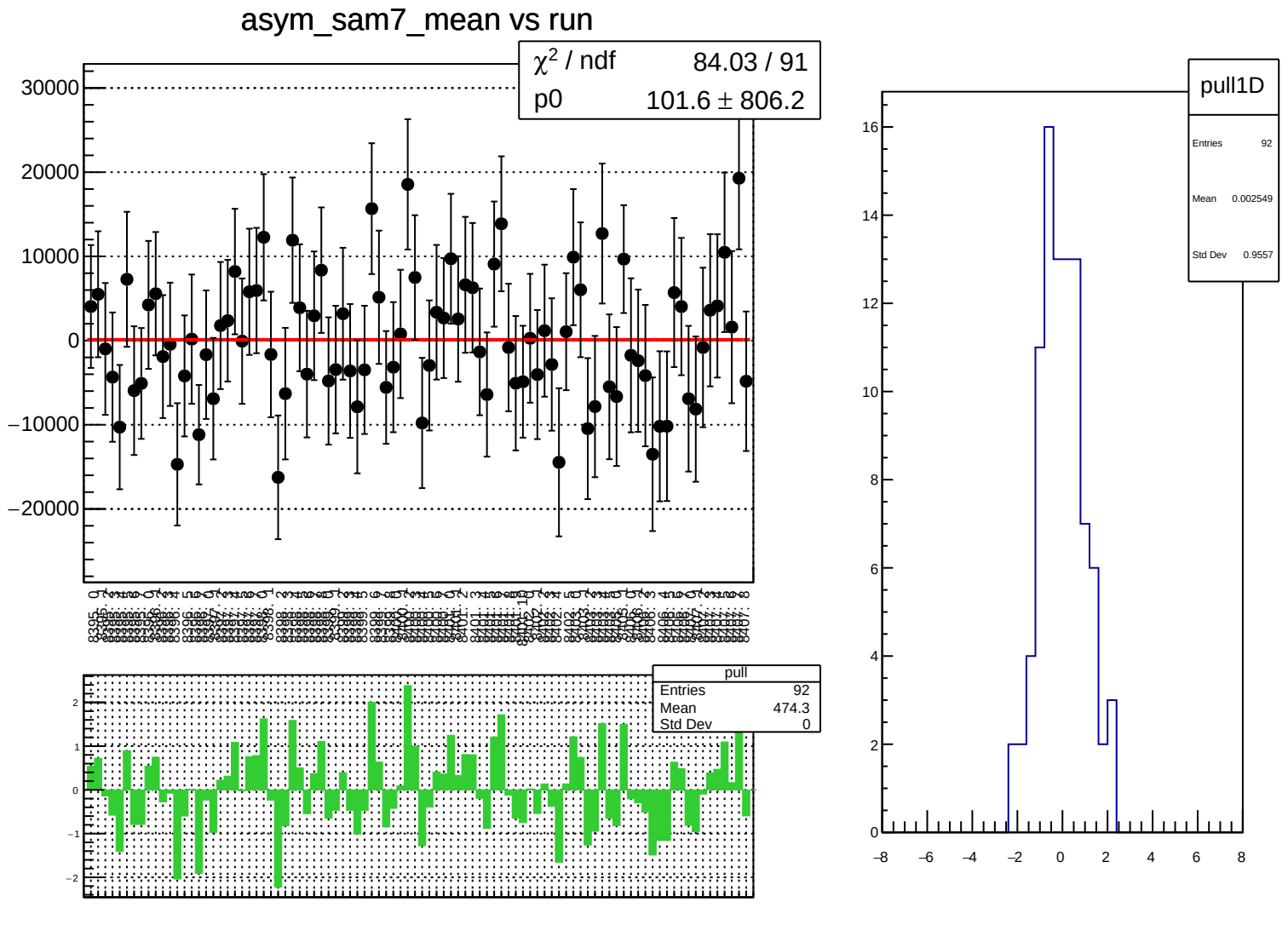

pull1D
Entries 92
Mean −0.01236
Std Dev 0.9769
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

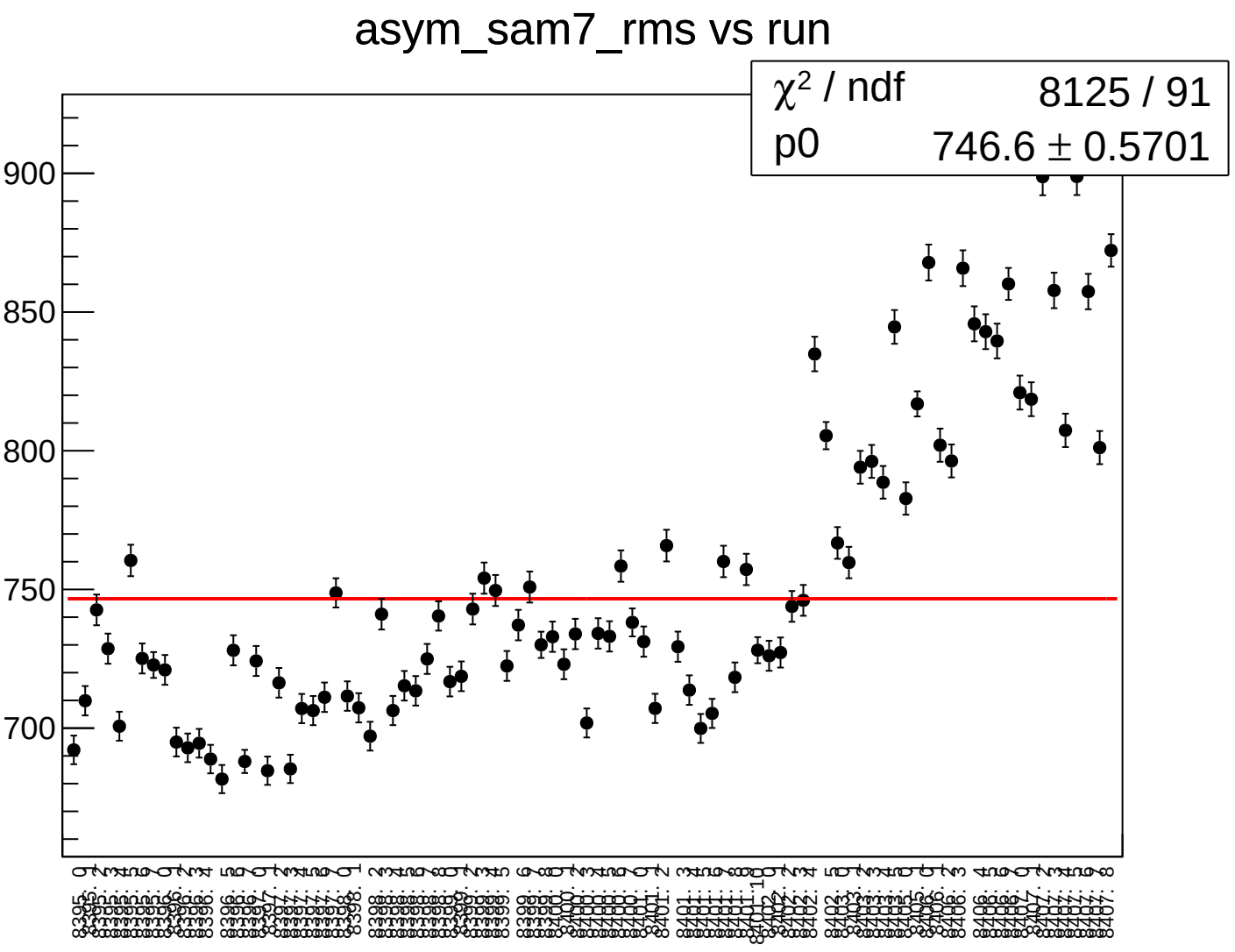

eigen_dit_asym_sam7_rms vs run
χ² / ndf 5832 / 91
p0 79.12 ± 0.06037
110
100
90
80
70

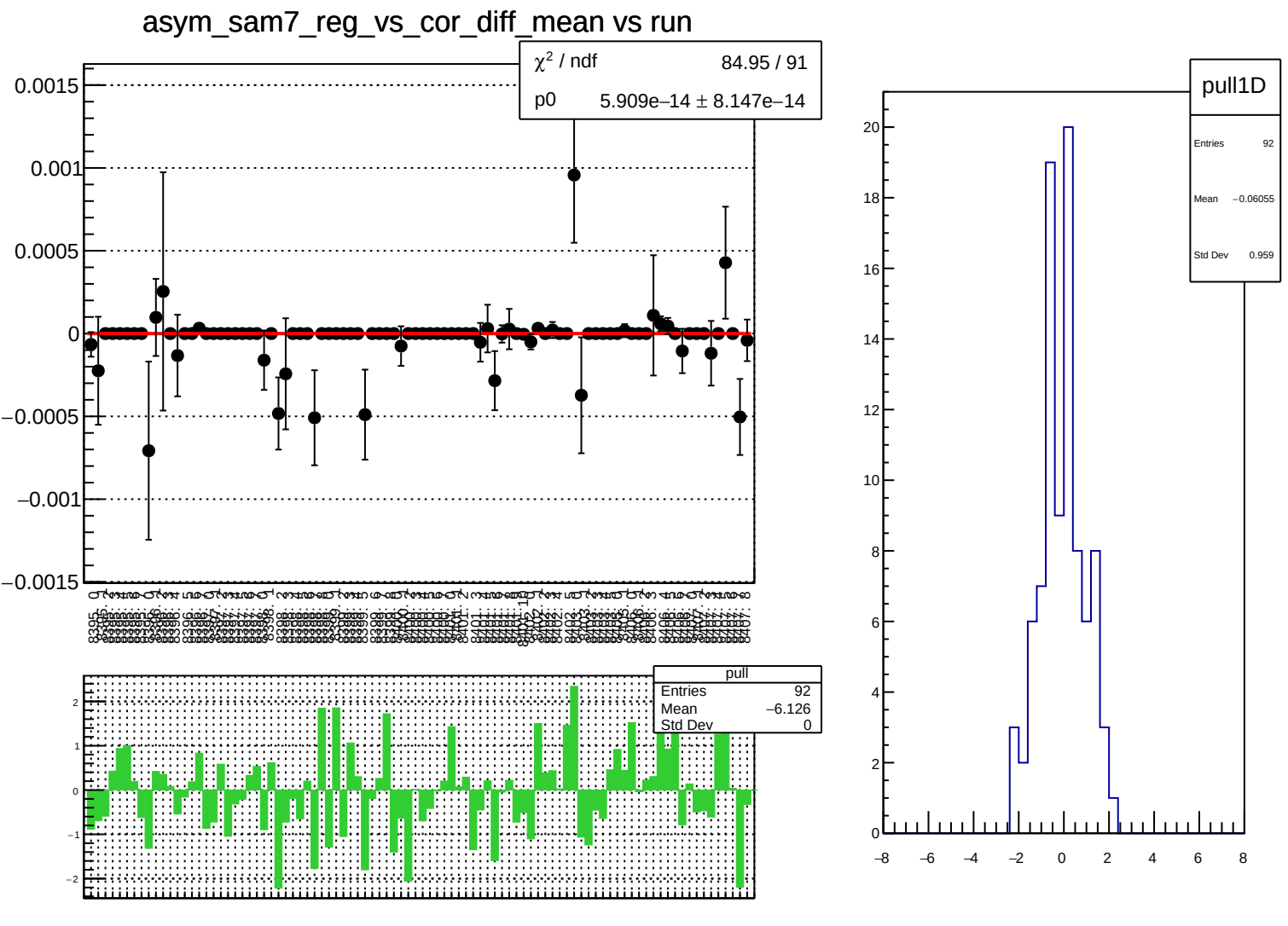

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 82.64 / 91
p0 −299.1 ± 801
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 216.4
Std Dev 0
2
1
0
−1
−2

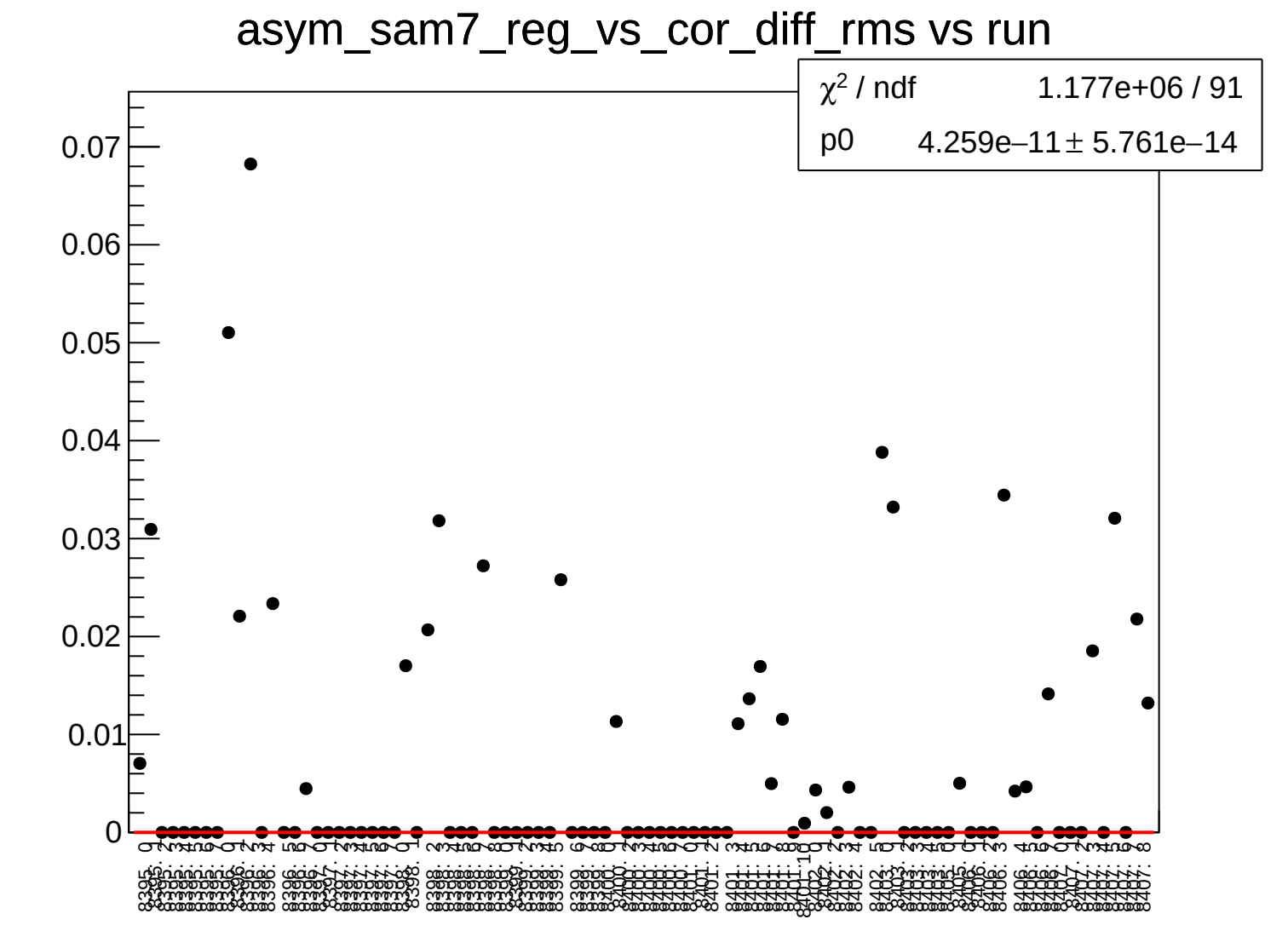

pull1D
Entries 92
Mean −0.00469
Std Dev 0.9478
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

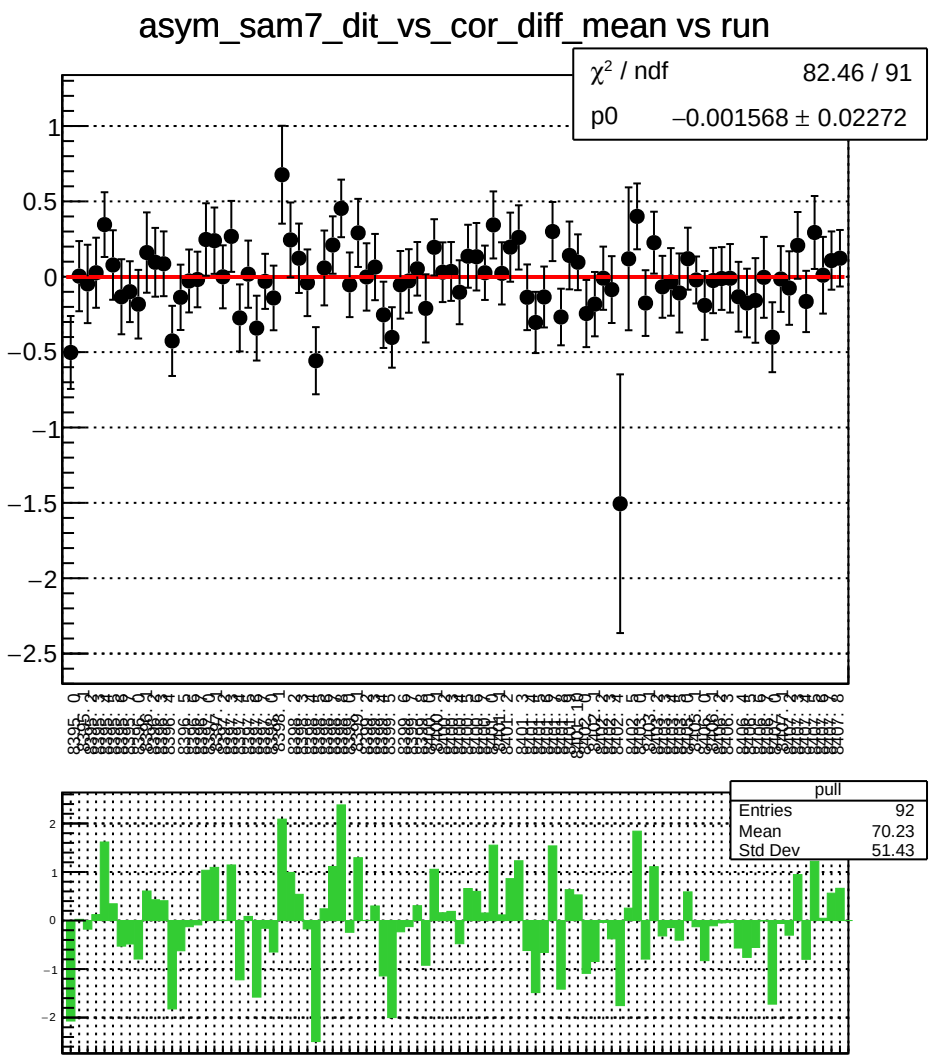

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 6853 / 91
p0 742.1 ± 0.5664
900
850
800
750
700

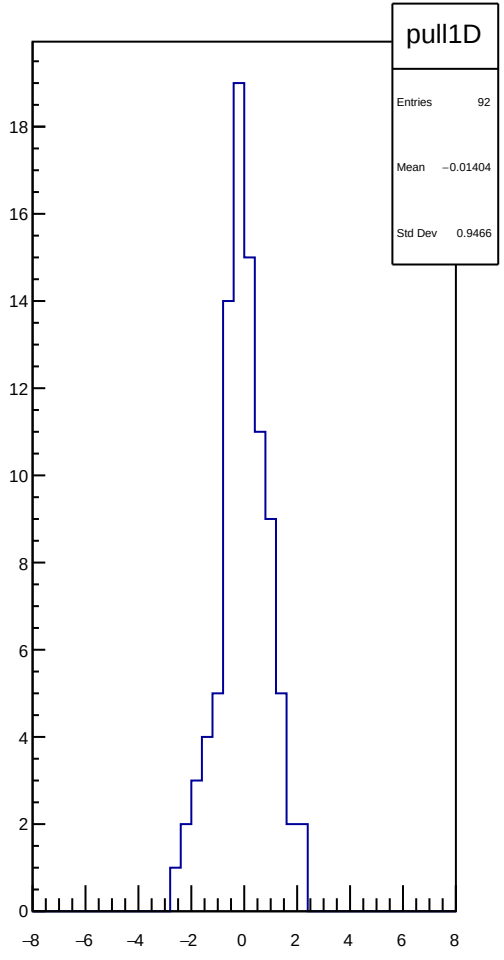

asym_sam7_mean vs run
χ² / ndf 84.03 / 91
p0 101.6 ± 806.2
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 474.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.002549
Std Dev 0.9557
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

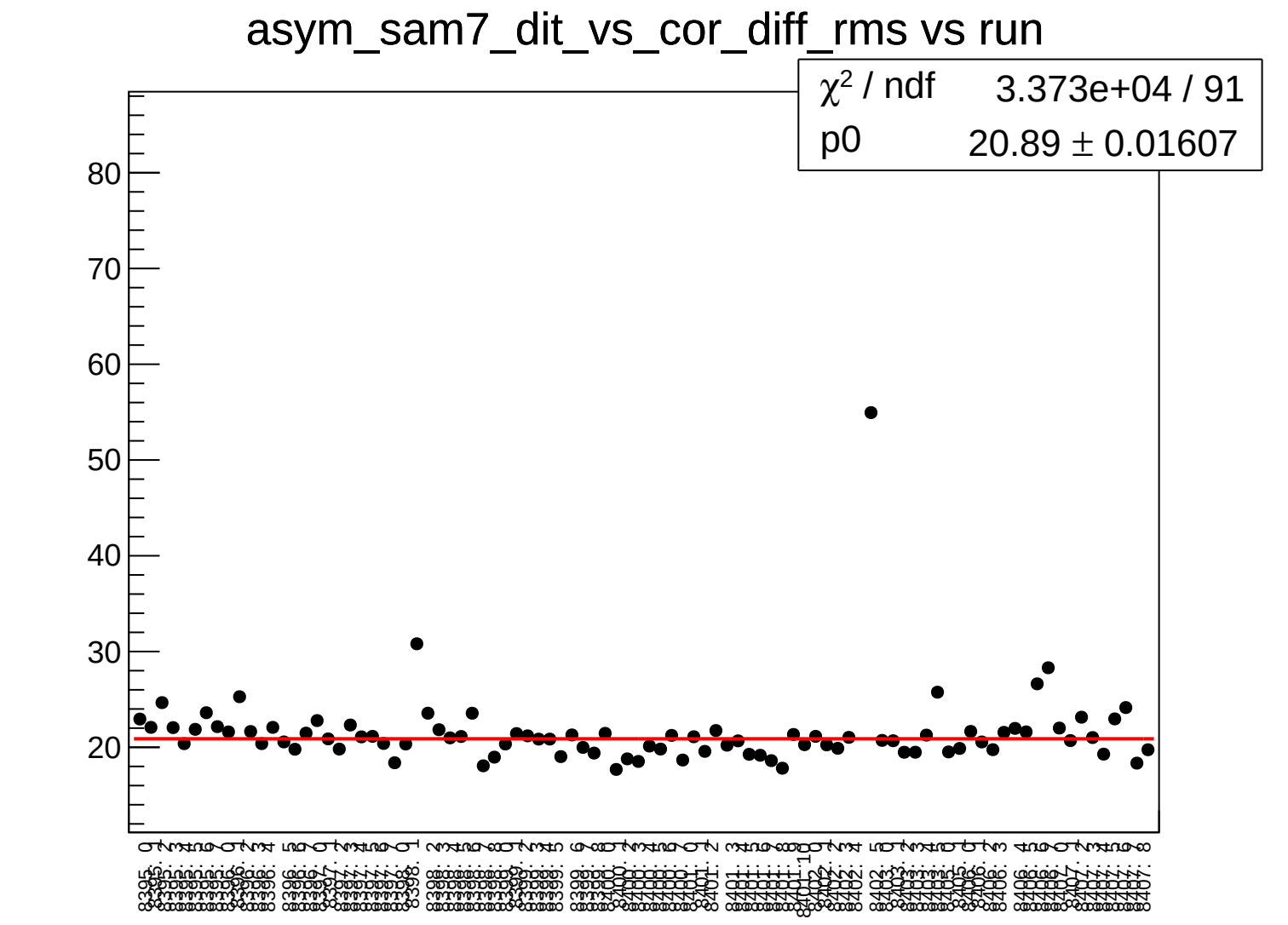

asym_sam7_rms vs run
χ² / ndf 8125 / 91
p0 746.6 ± 0.5701
900
850
800
750
700

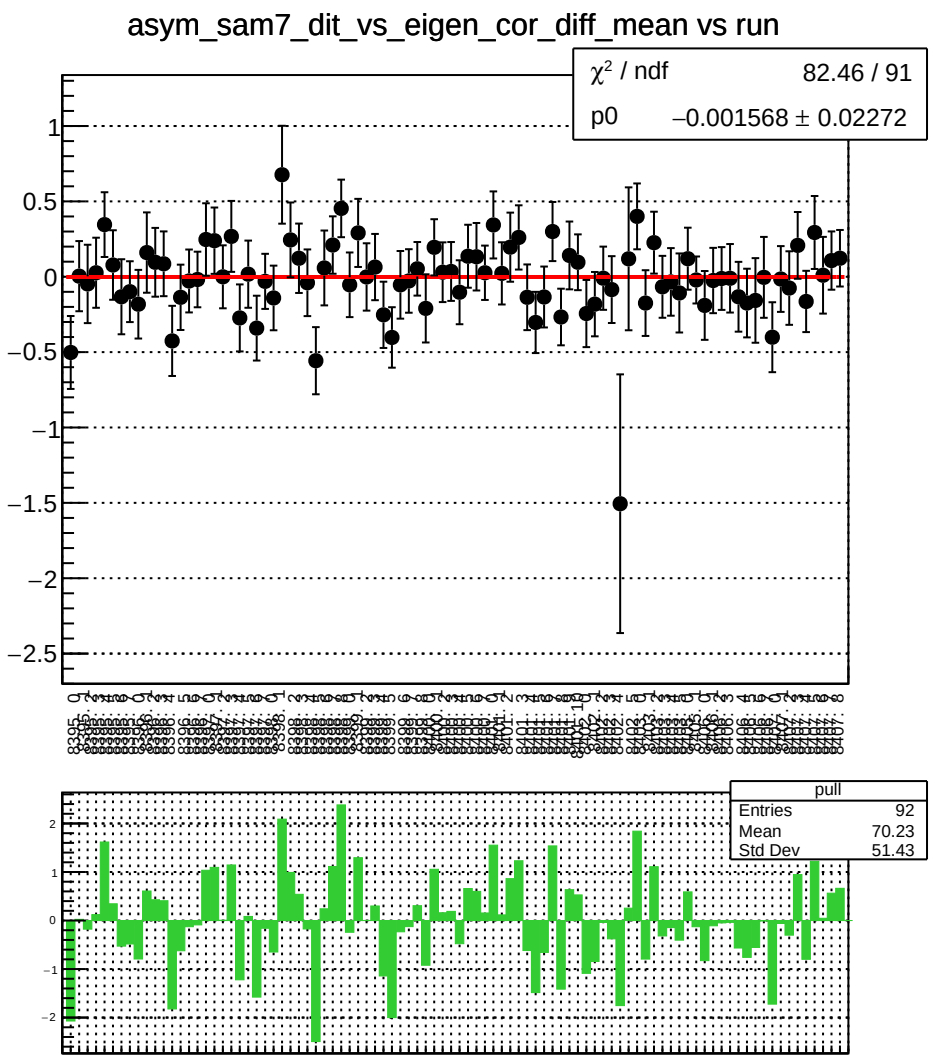

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 84.95 / 91
p0 5.909e−14 ± 8.147e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean −6.126
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.06055
Std Dev 0.959
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

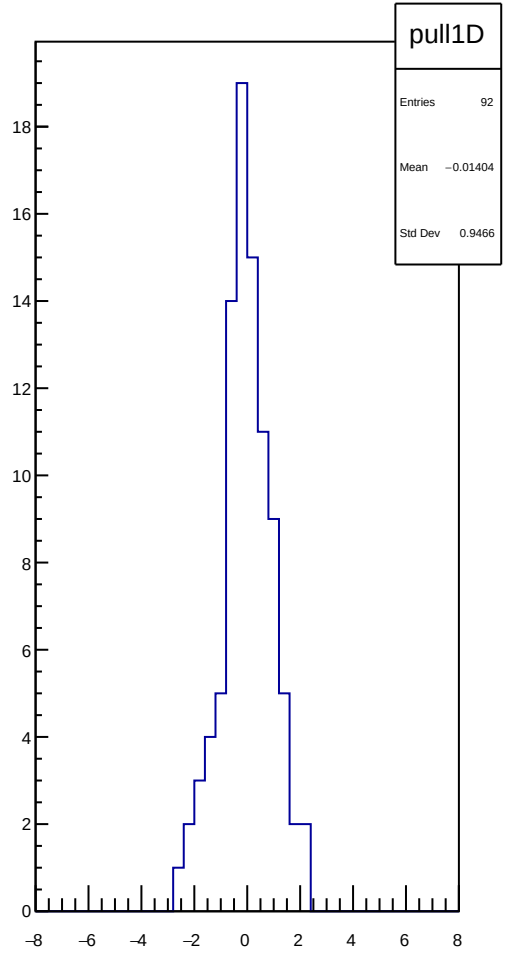

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 1.177e+06 / 91
p0 4.259e−11 ± 5.761e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

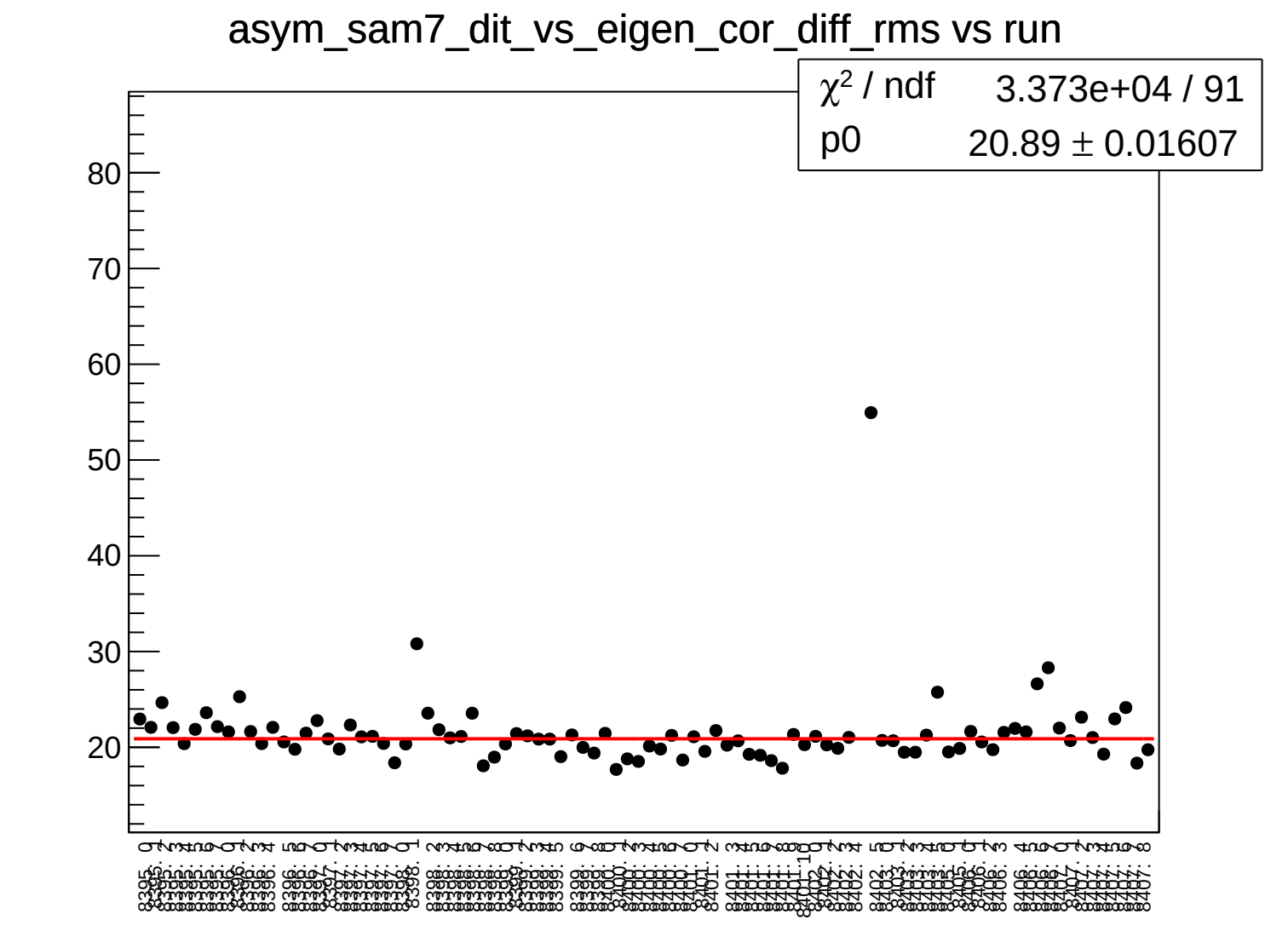

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 82.46 / 91
p0 −0.001568 ± 0.02272
pull
Entries 92
Mean 70.23
Std Dev 51.43

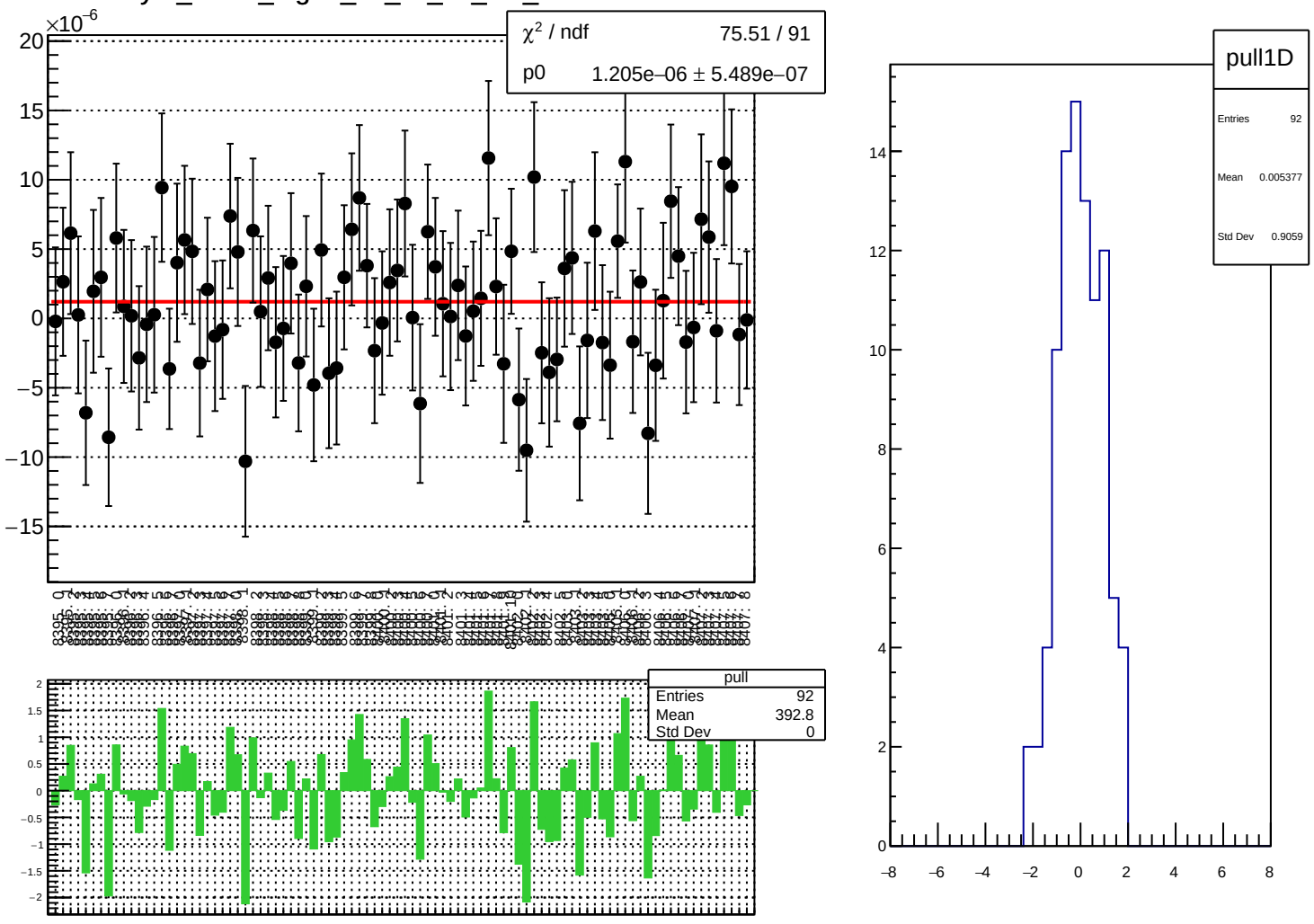

pull1D
Entries 92
Mean −0.01404
Std Dev 0.9466

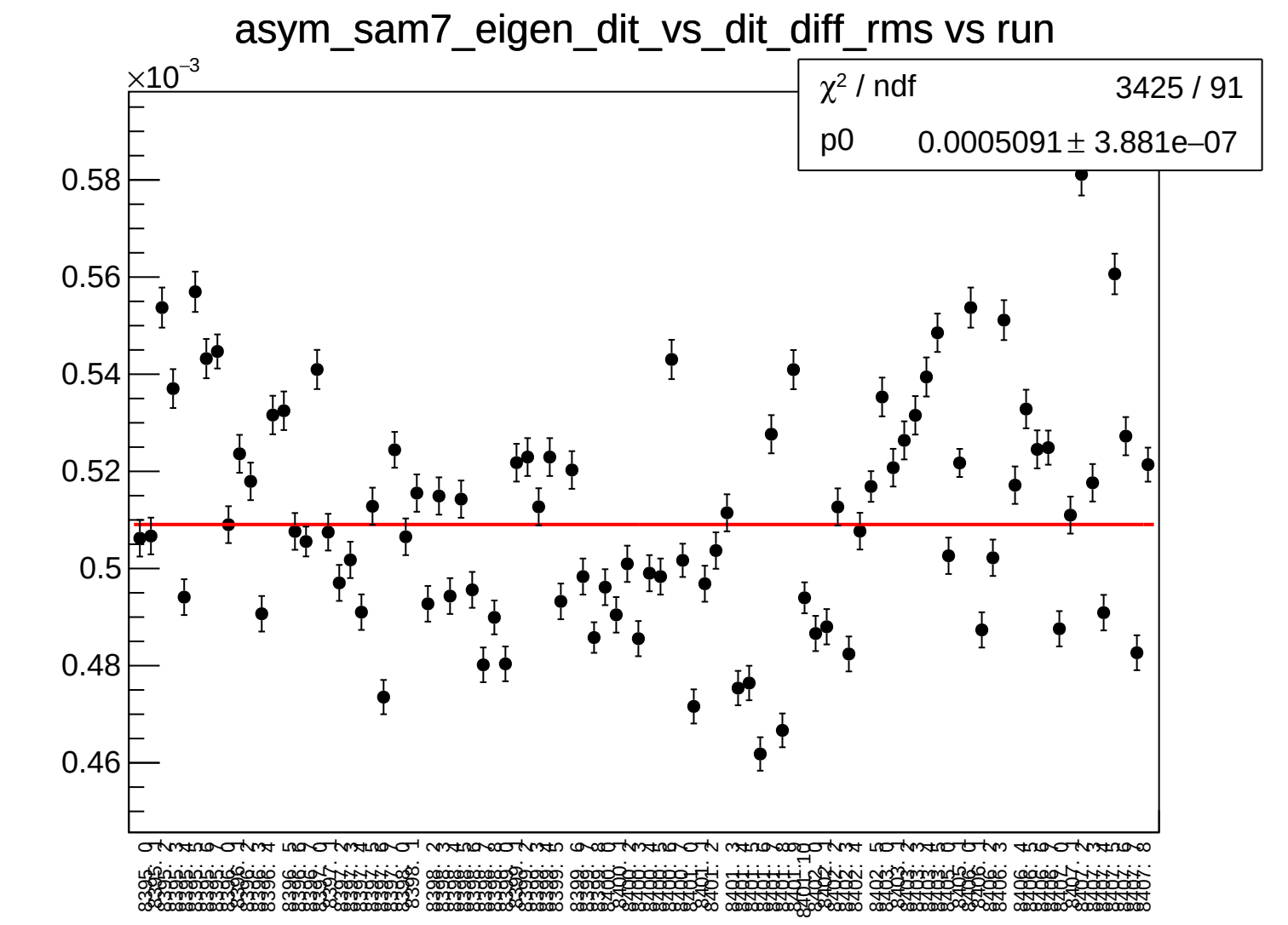

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 3.373e+04 / 91
p0 20.89 ± 0.01607
80
70
60
50
40
30
20

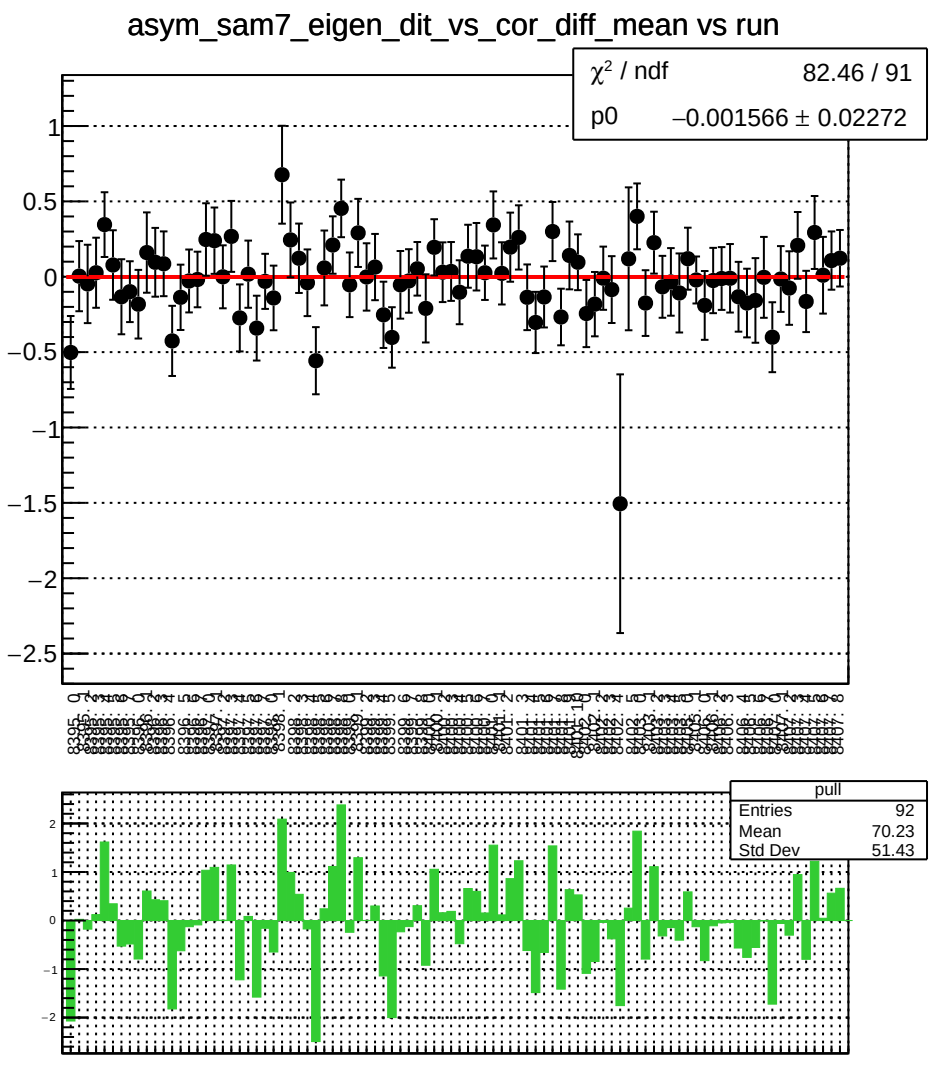

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.46 / 91
p0 −0.001568 ± 0.02272
pull
Entries 92
Mean 70.23
Std Dev 51.43

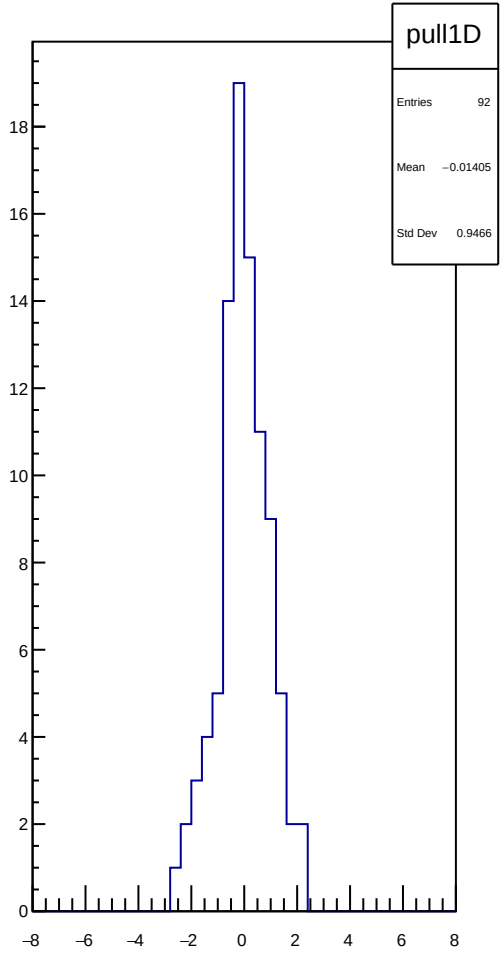

pull1D
Entries 92
Mean −0.01404
Std Dev 0.9466

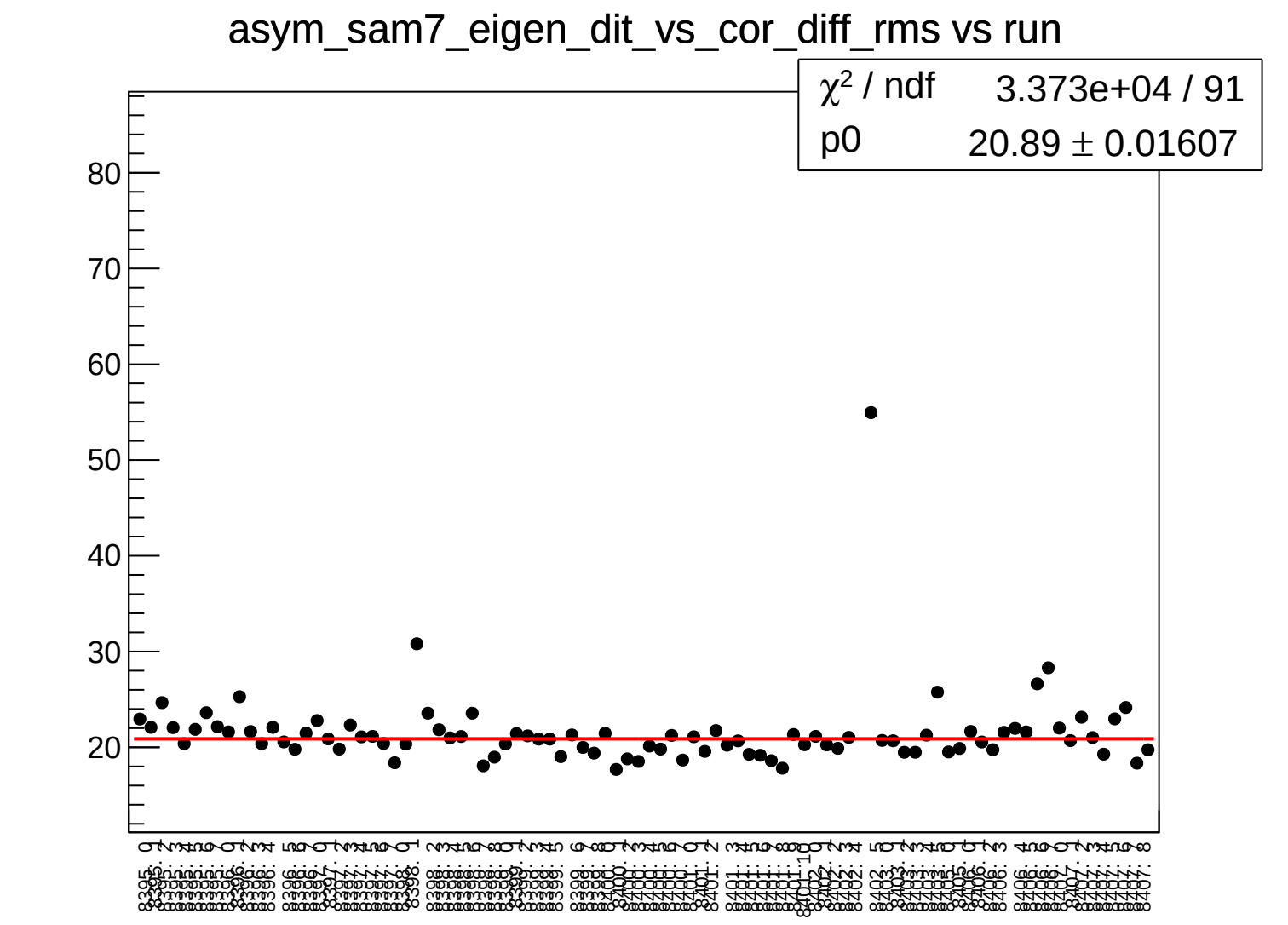

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.373e+04 / 91
p0 20.89 ± 0.01607
80
70
60
50
40
30
20

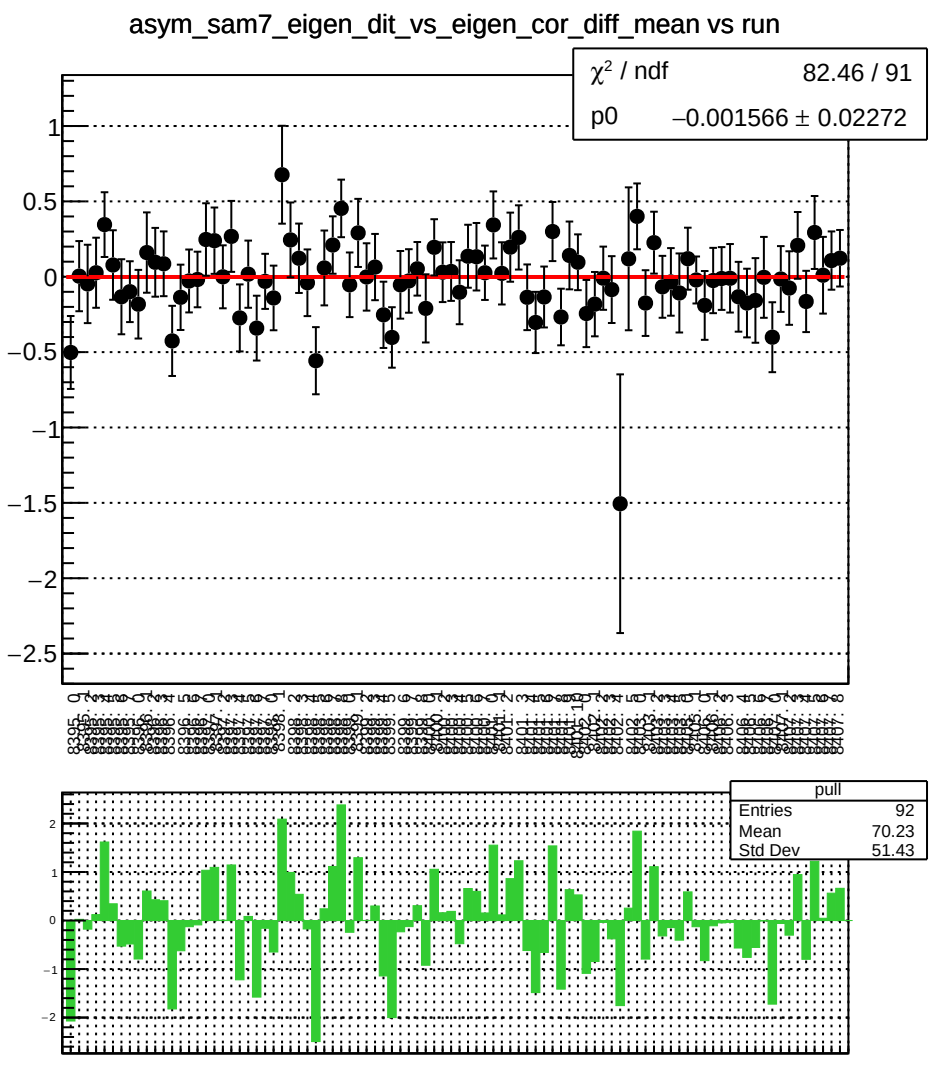

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 75.51 / 91
p0 1.205e−06 ± 5.489e−07
pull
Entries 92
Mean 392.8
Std Dev 0
pull1D
Entries 92
Mean 0.005377
Std Dev 0.9059

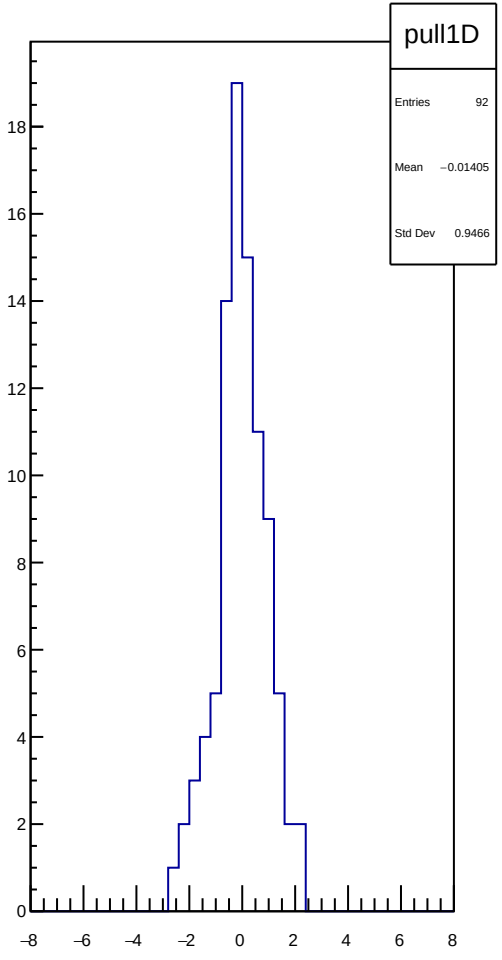

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3425 / 91
p0 0.0005091 ± 3.881e−07
0.58
0.56
0.54
0.52
0.5
0.48
0.46

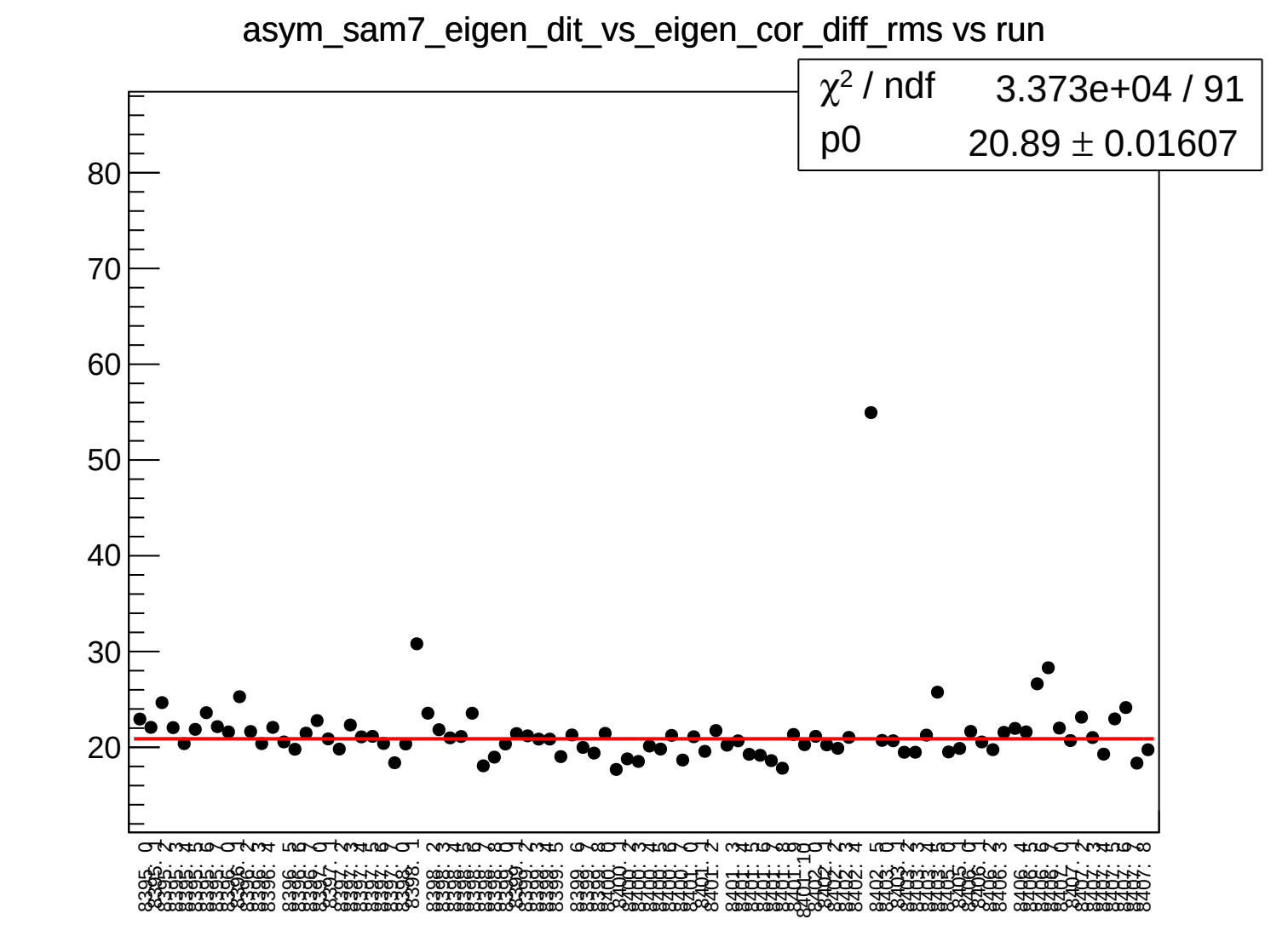

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.46 / 91
p0 −0.001566 ± 0.02272
pull
Entries 92
Mean 70.23
Std Dev 51.43

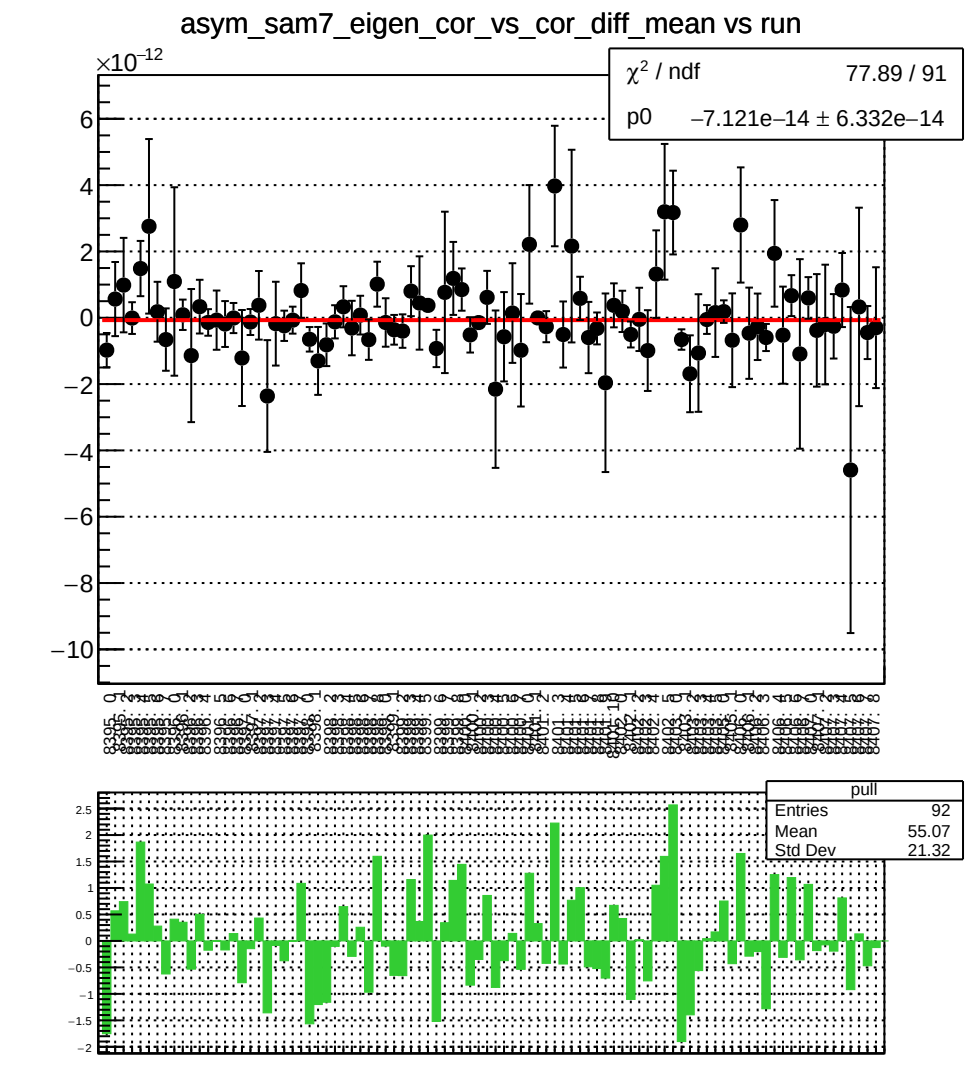

pull1D
Entries 92
Mean −0.01405
Std Dev 0.9466

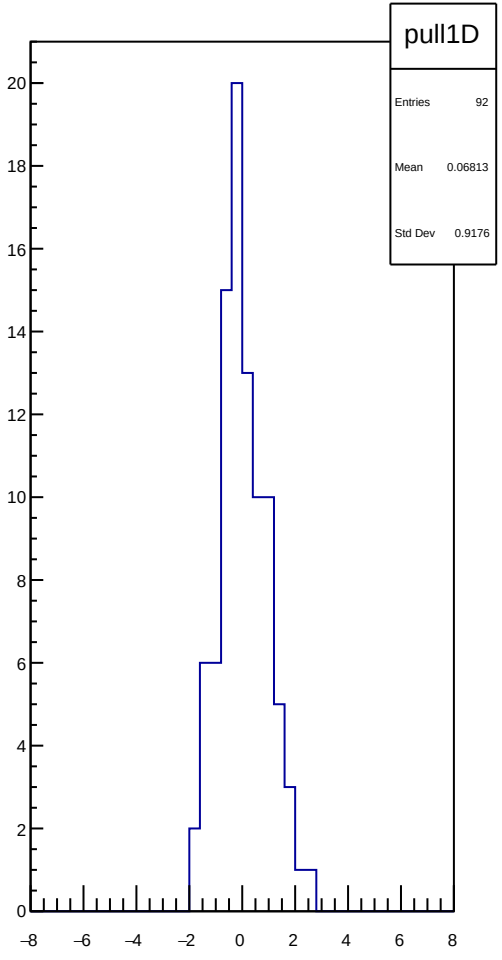

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.373e+04 / 91
p0 20.89 ± 0.01607
80
70
60
50
40
30
20

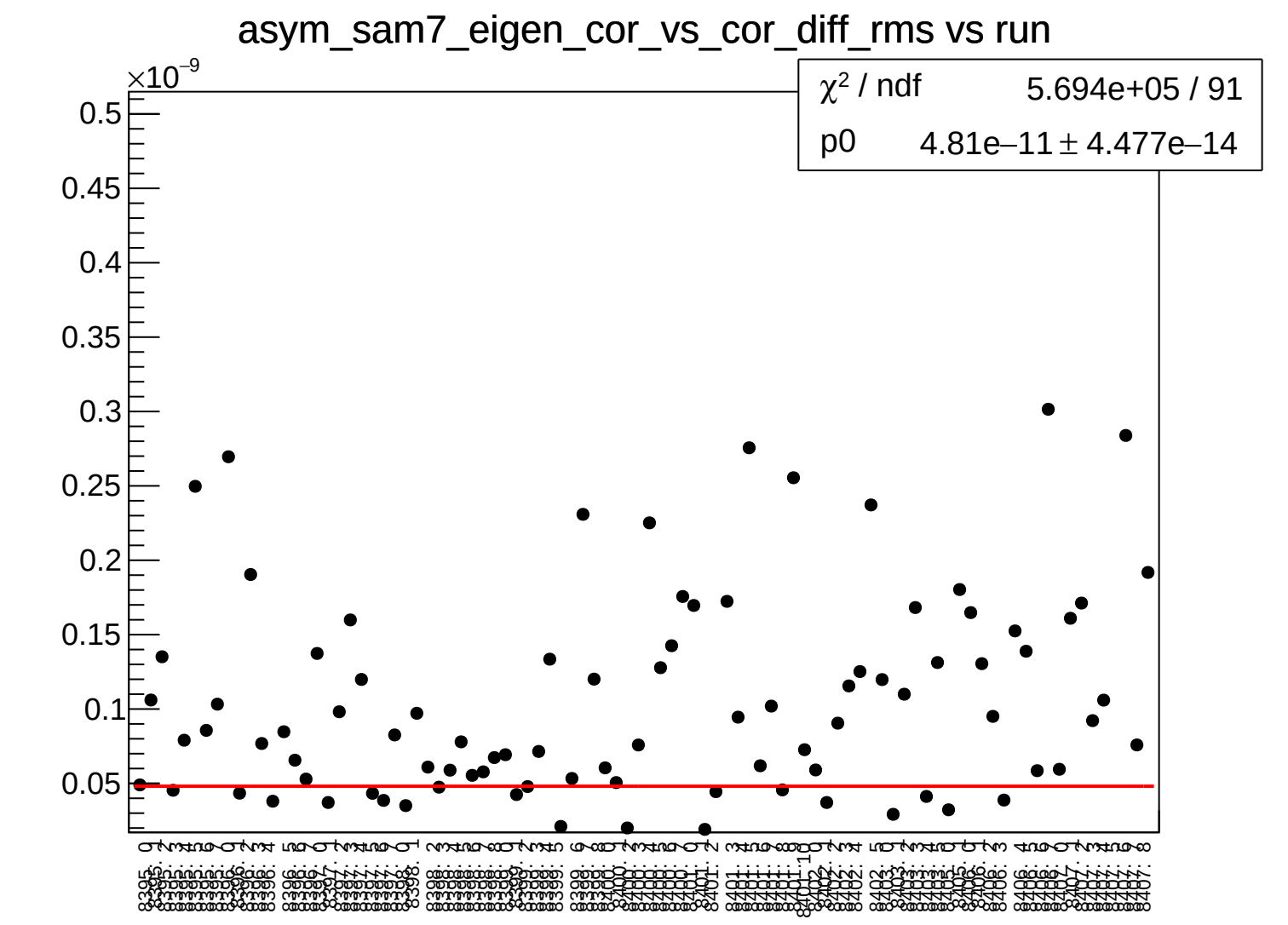

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.46 / 91
p0 −0.001566 ± 0.02272
pull
Entries 92
Mean 70.23
Std Dev 51.43

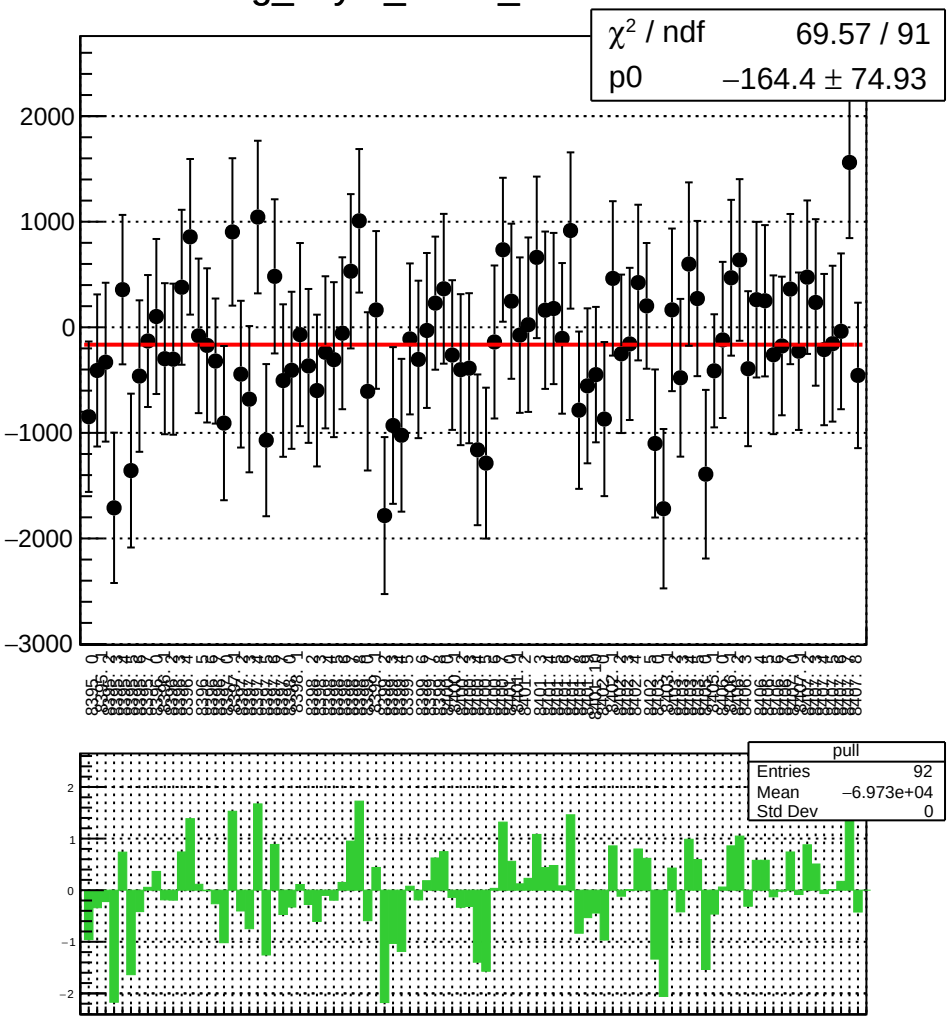

pull1D
Entries 92
Mean −0.01405
Std Dev 0.9466

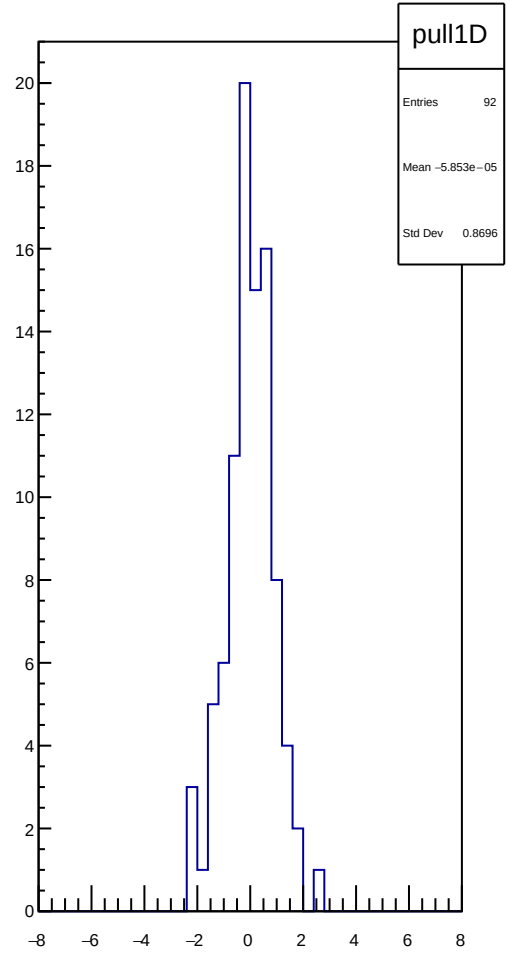

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.373e+04 / 91
p0 20.89 ± 0.01607
80
70
60
50
40
30
20

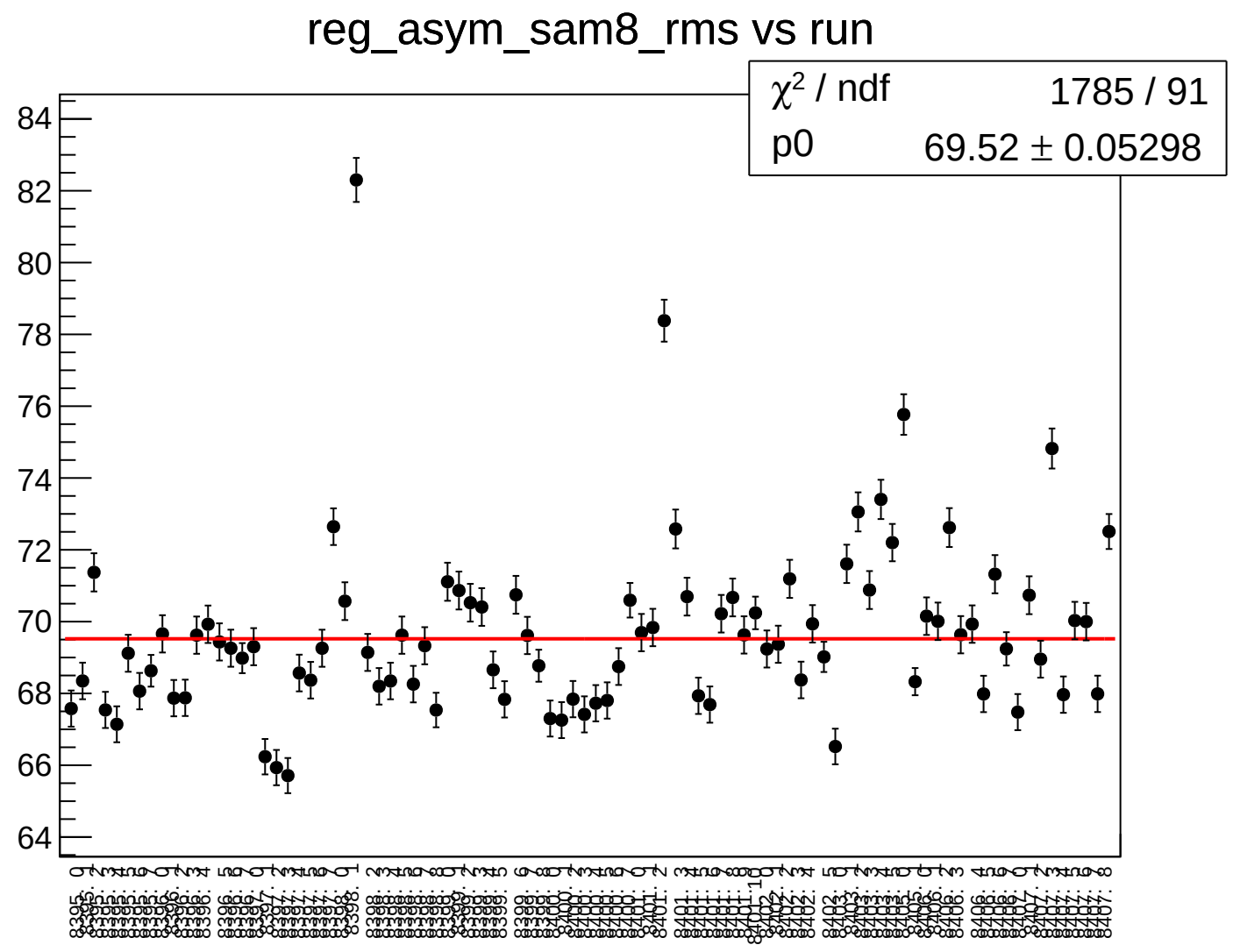

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.89 / 91
p0 −7.121e−14 ± 6.332e−14
pull
Entries 92
Mean 55.07
Std Dev 21.32

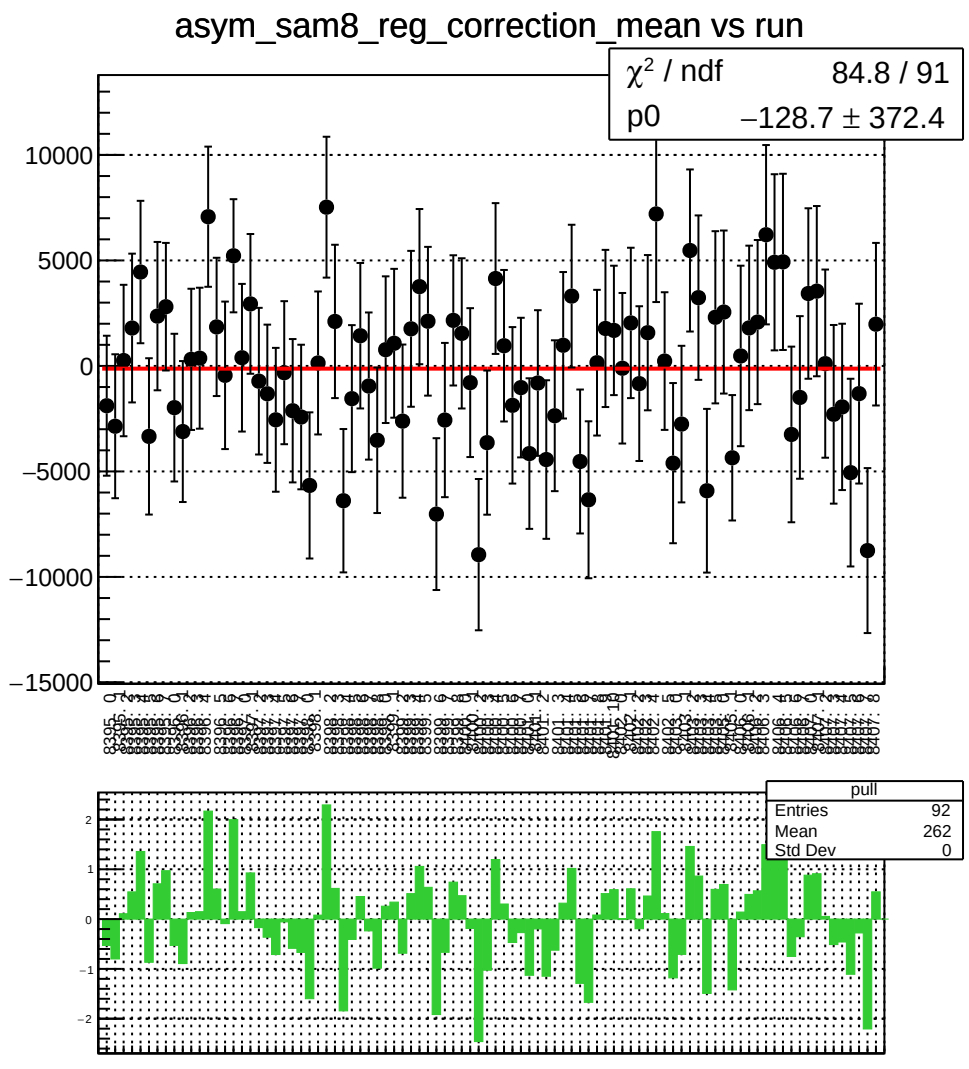

pull1D
Entries 92
Mean 0.06813
Std Dev 0.9176

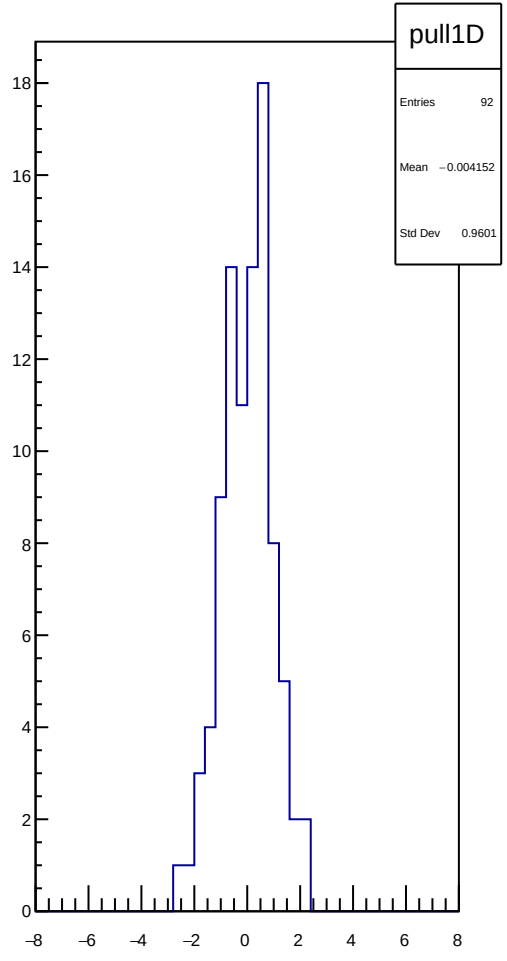

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.694e+05 / 91
p0 4.81e−11 ± 4.477e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

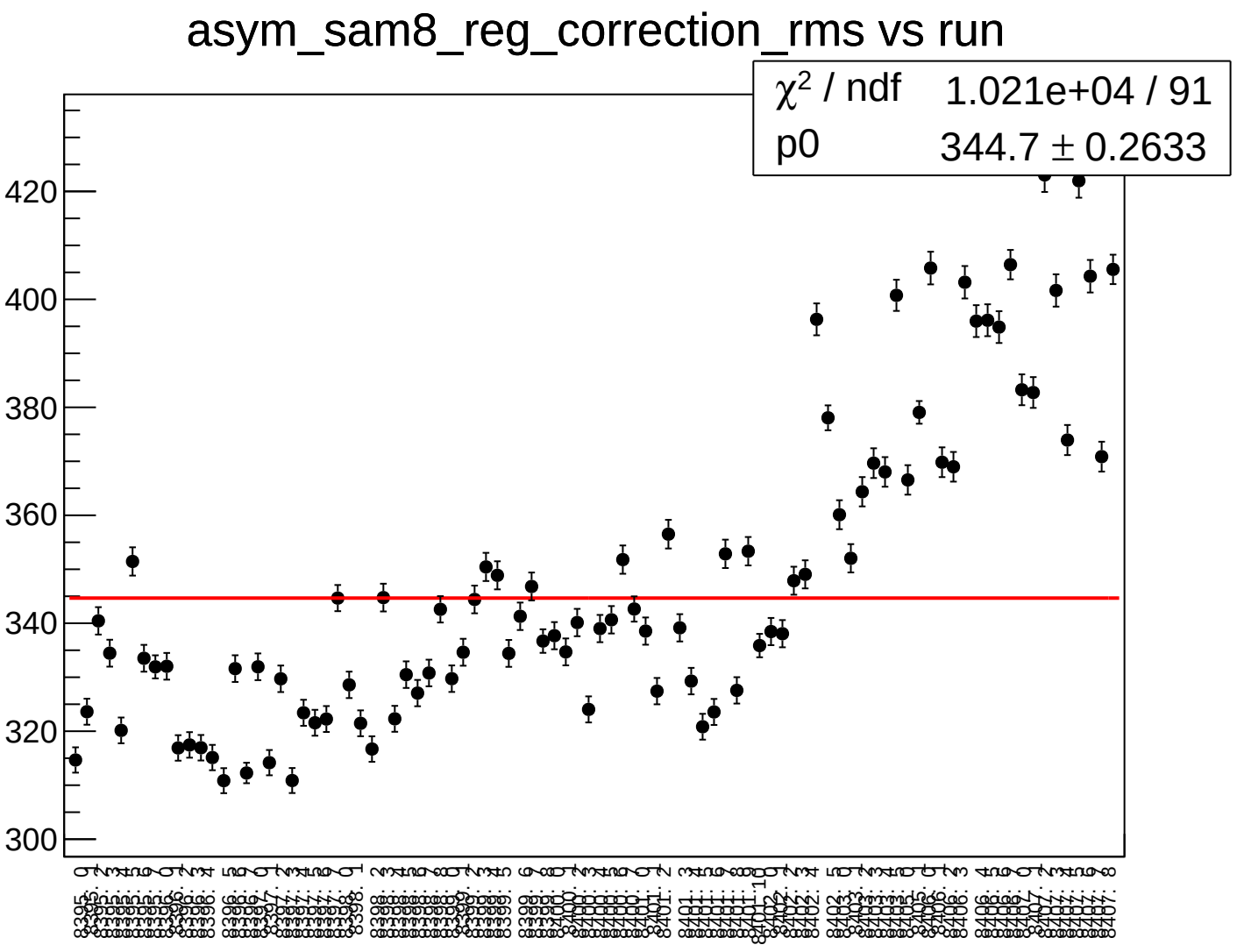

reg_asym_sam8_mean vs run
χ² / ndf 69.57 / 91
p0 −164.4 ± 74.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −6.973e+04
Std Dev 0
2
1
0
−1
−2

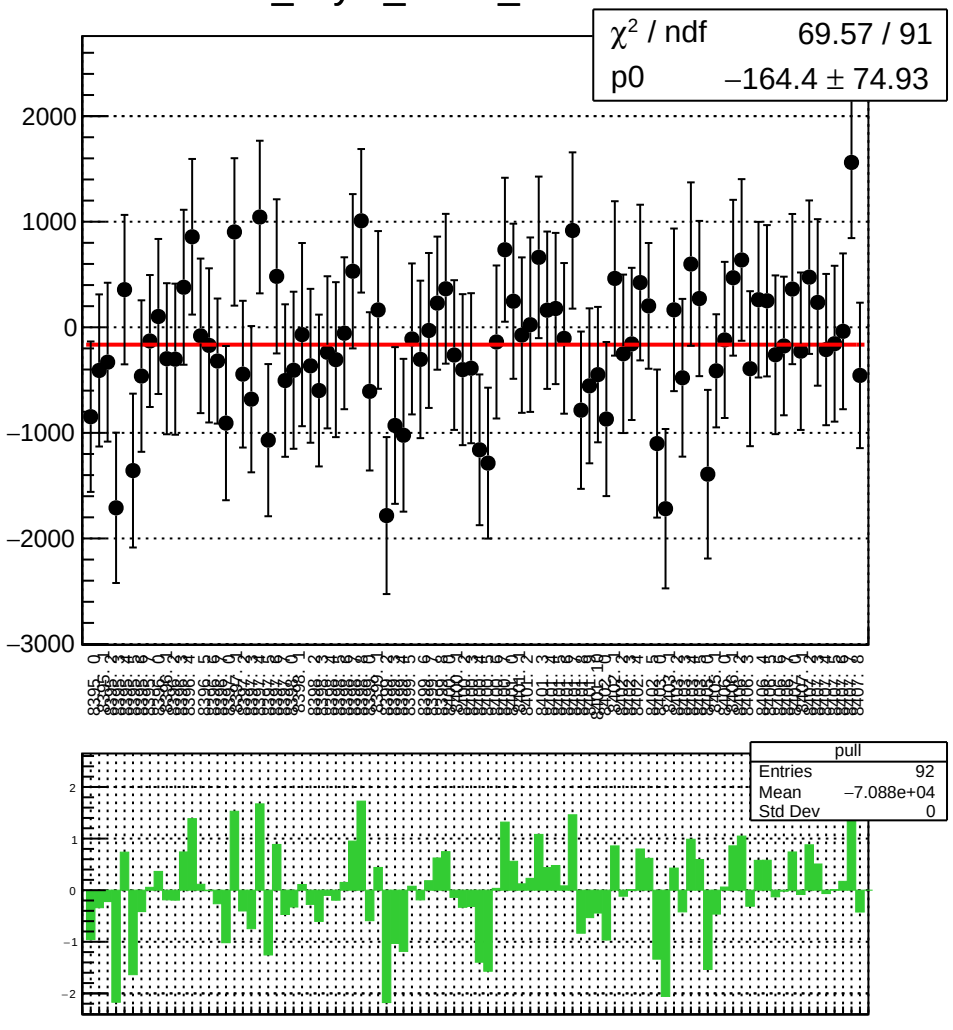

pull1D
Entries 92
Mean −5.853e−05
Std Dev 0.8696
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

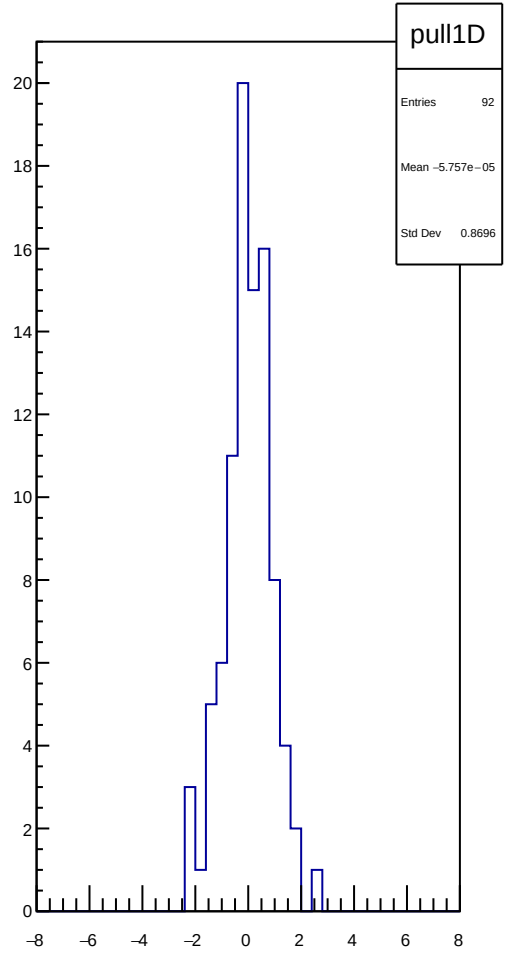

reg_asym_sam8_rms vs run
χ² / ndf 1785 / 91
p0 69.52 ± 0.05298
84
82
80
78
76
74
72
70
68
66
64

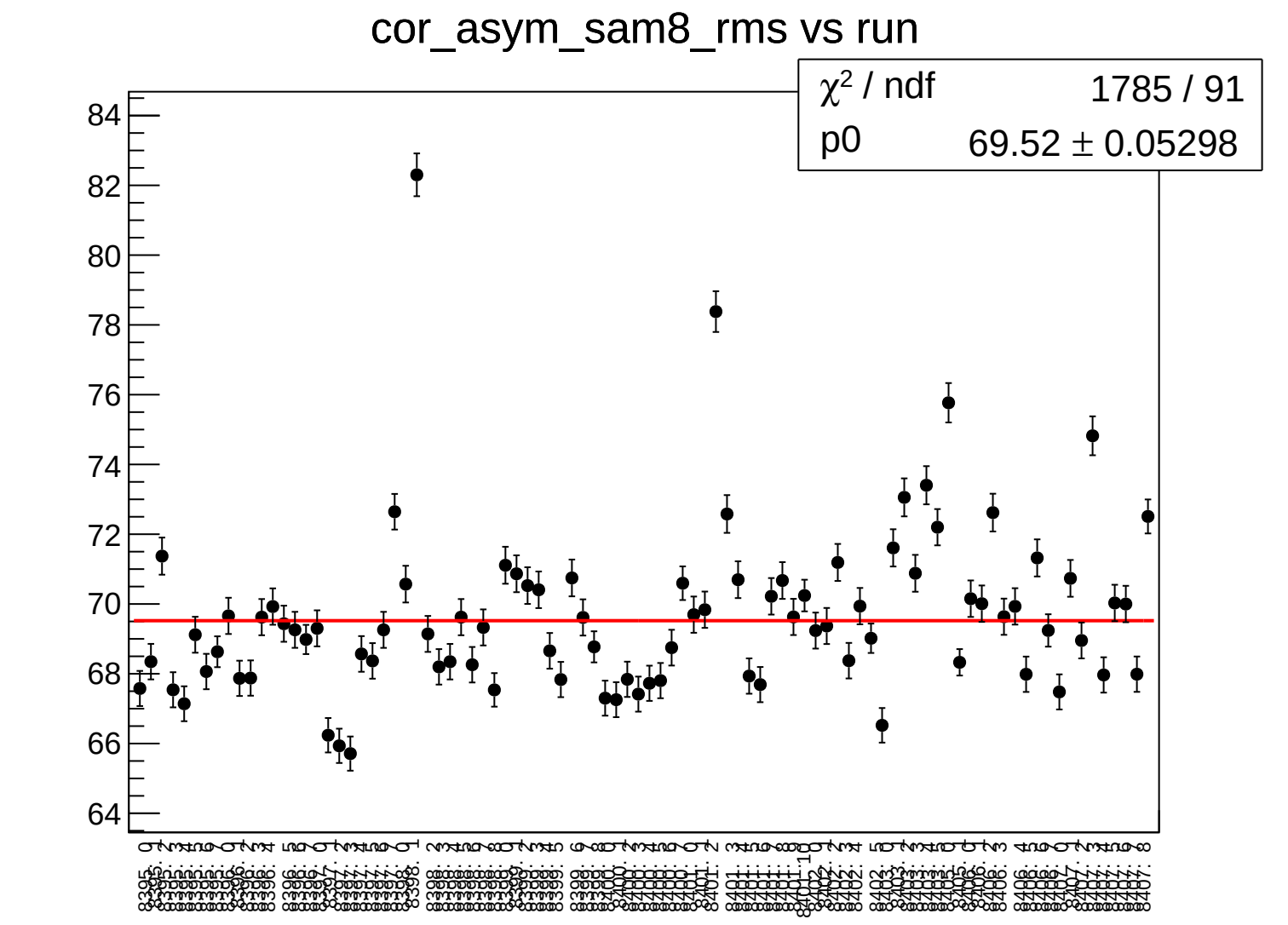

asym_sam8_reg_correction_mean vs run
χ² / ndf 84.8 / 91
p0 −128.7 ± 372.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 262
Std Dev 0
2
1
0
−1
−2

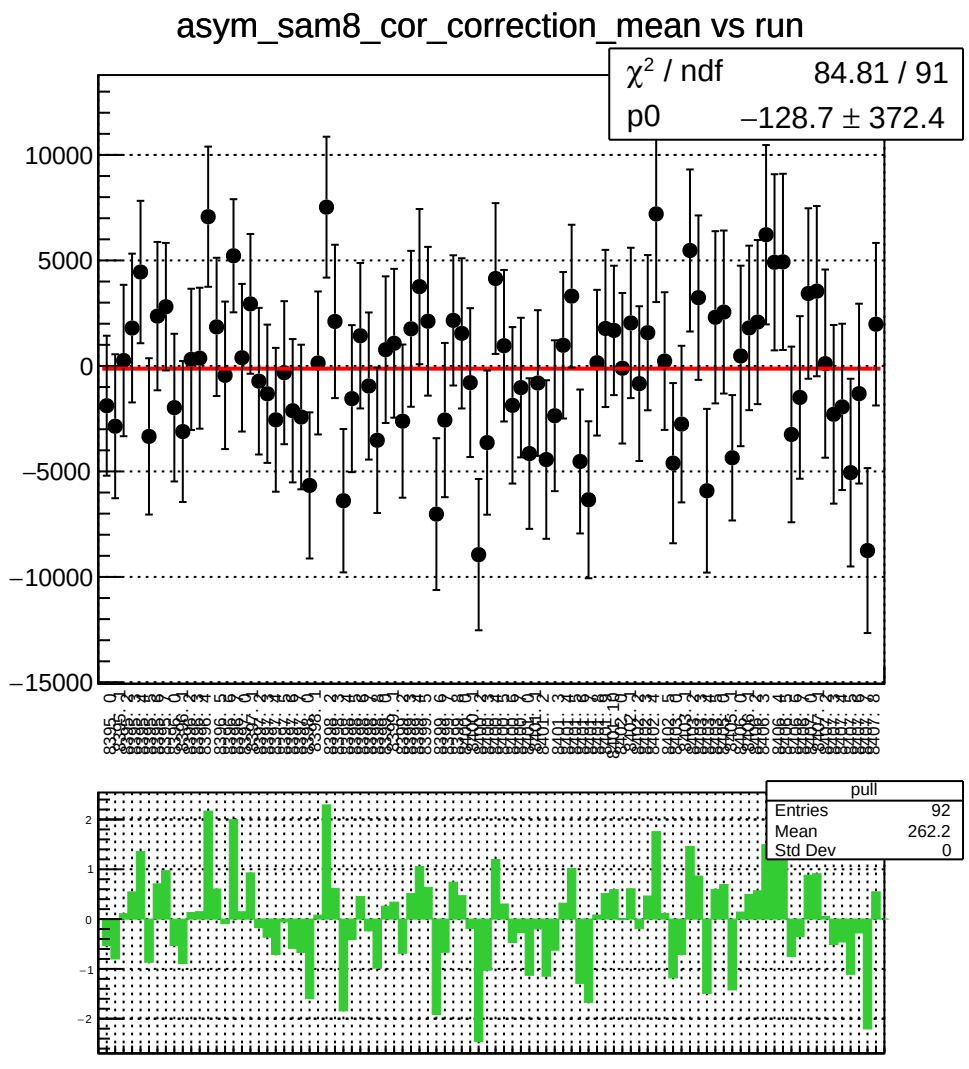

pull1D
Entries 92
Mean −0.004152
Std Dev 0.9601
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

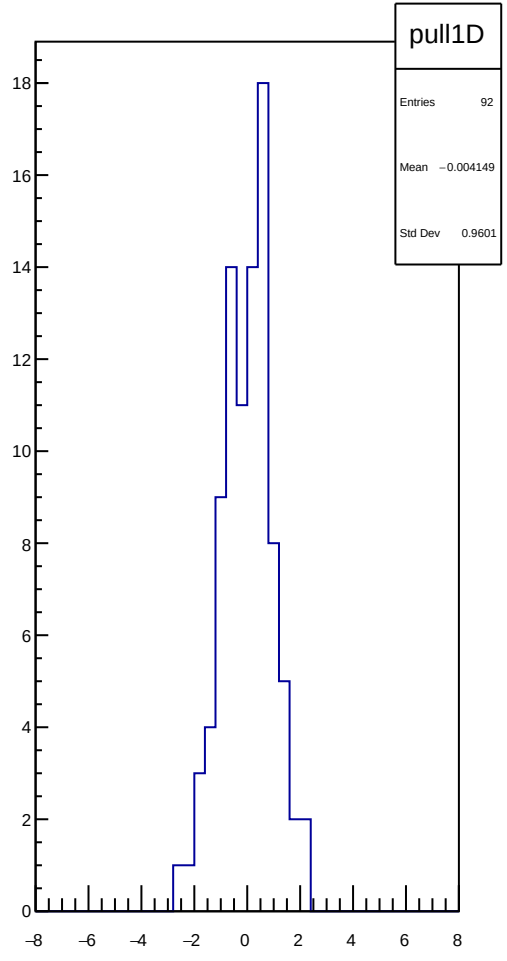

asym_sam8_reg_correction_rms vs run
χ² / ndf 1.021e+04 / 91
p0 344.7 ± 0.2633
420
400
380
360
340
320
300

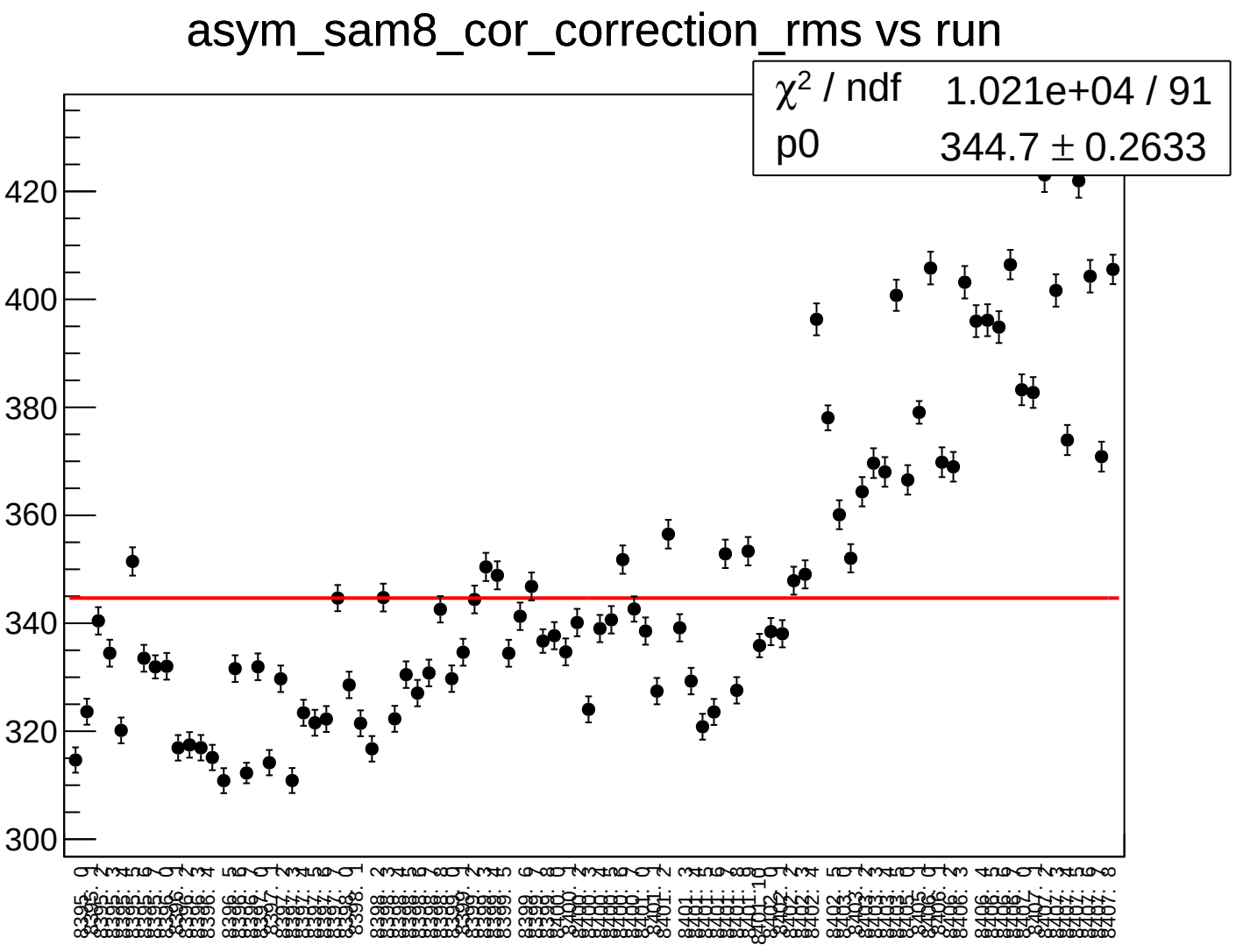

cor_asym_sam8_mean vs run
χ² / ndf 69.57 / 91
p0 −164.4 ± 74.93
pull
Entries 92
Mean −7.088e+04
Std Dev 0

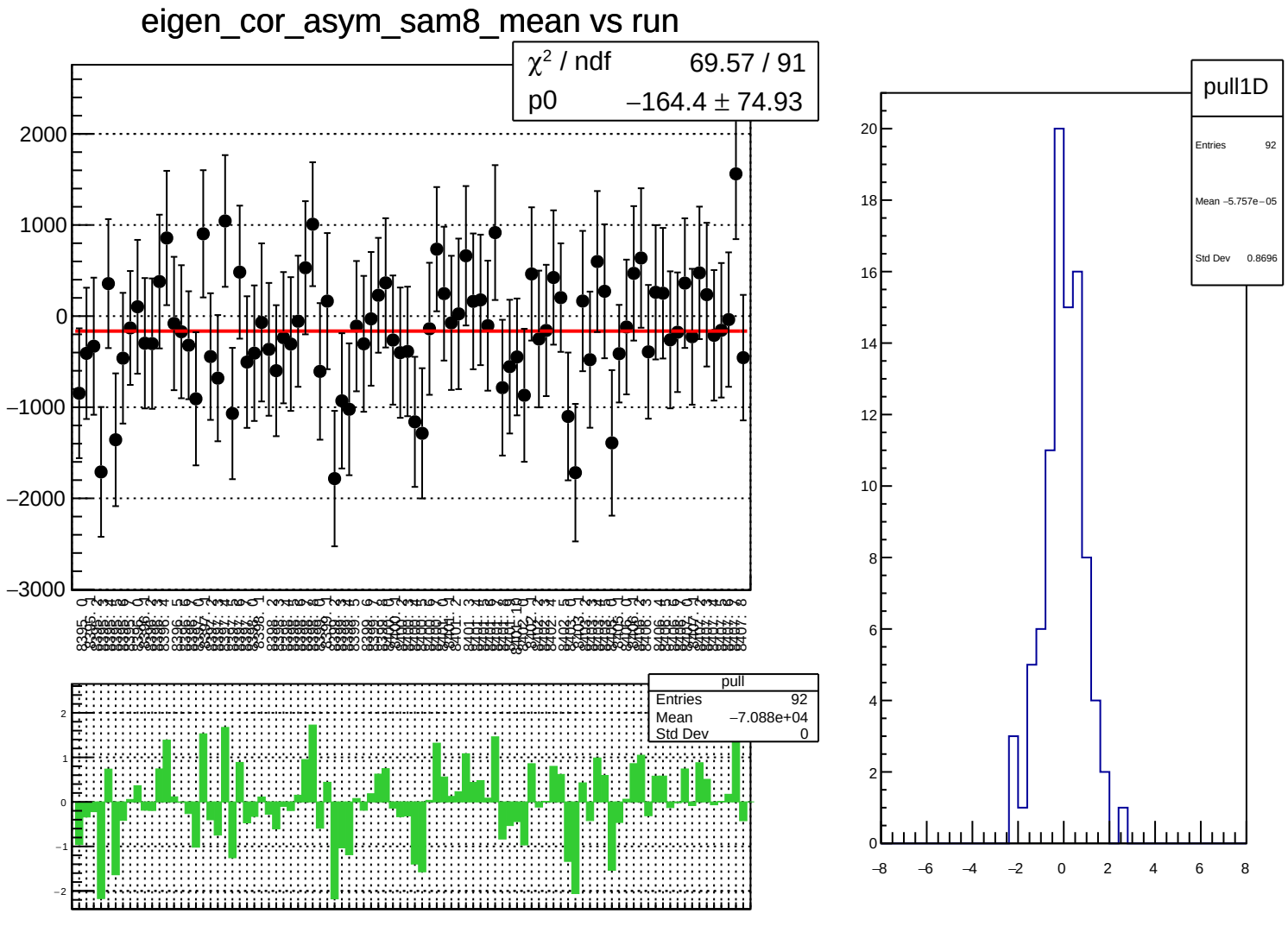

pull1D
Entries 92
Mean −5.757e−05
Std Dev 0.8696

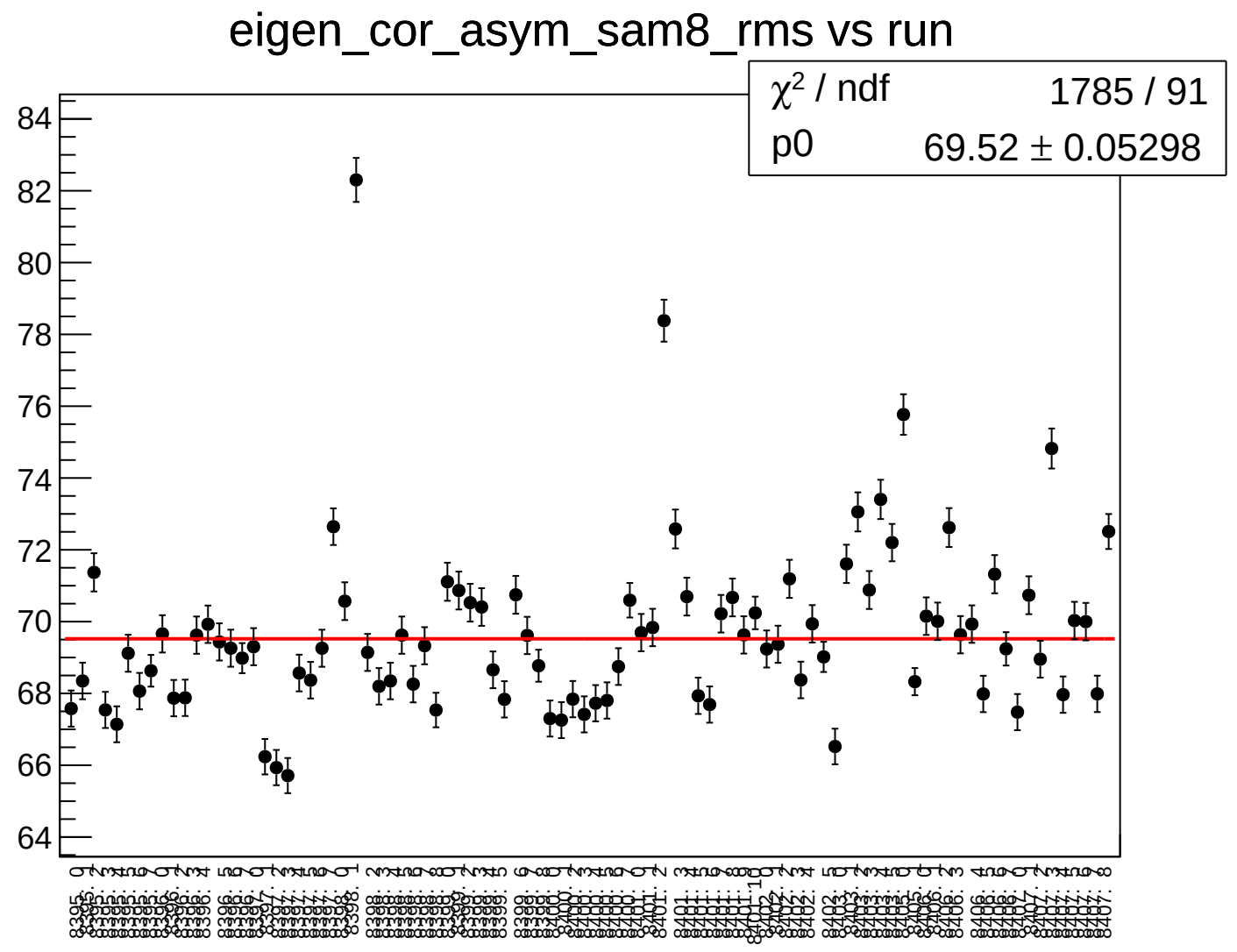

cor_asym_sam8_rms vs run
χ² / ndf 1785 / 91
p0 69.52 ± 0.05298
84
82
80
78
76
74
72
70
68
66
64

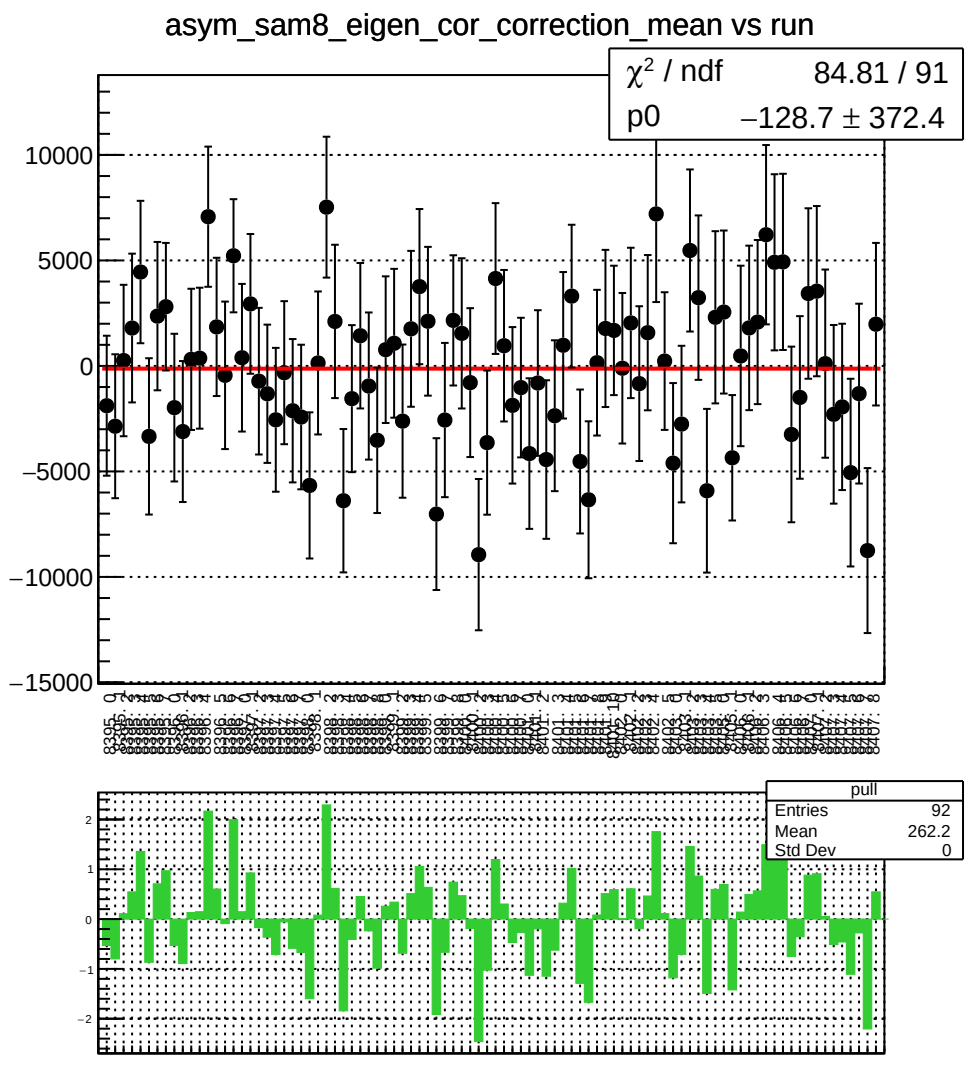

asym_sam8_cor_correction_mean vs run
χ² / ndf 84.81 / 91
p0 −128.7 ± 372.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 262.2
Std Dev 0
2
1
0
−1
−2

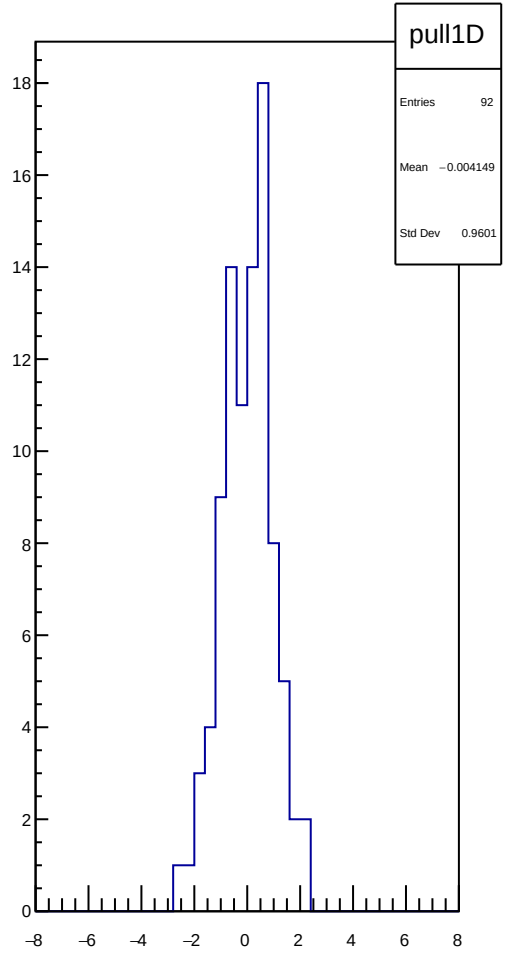

pull1D
Entries 92
Mean −0.004149
Std Dev 0.9601
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

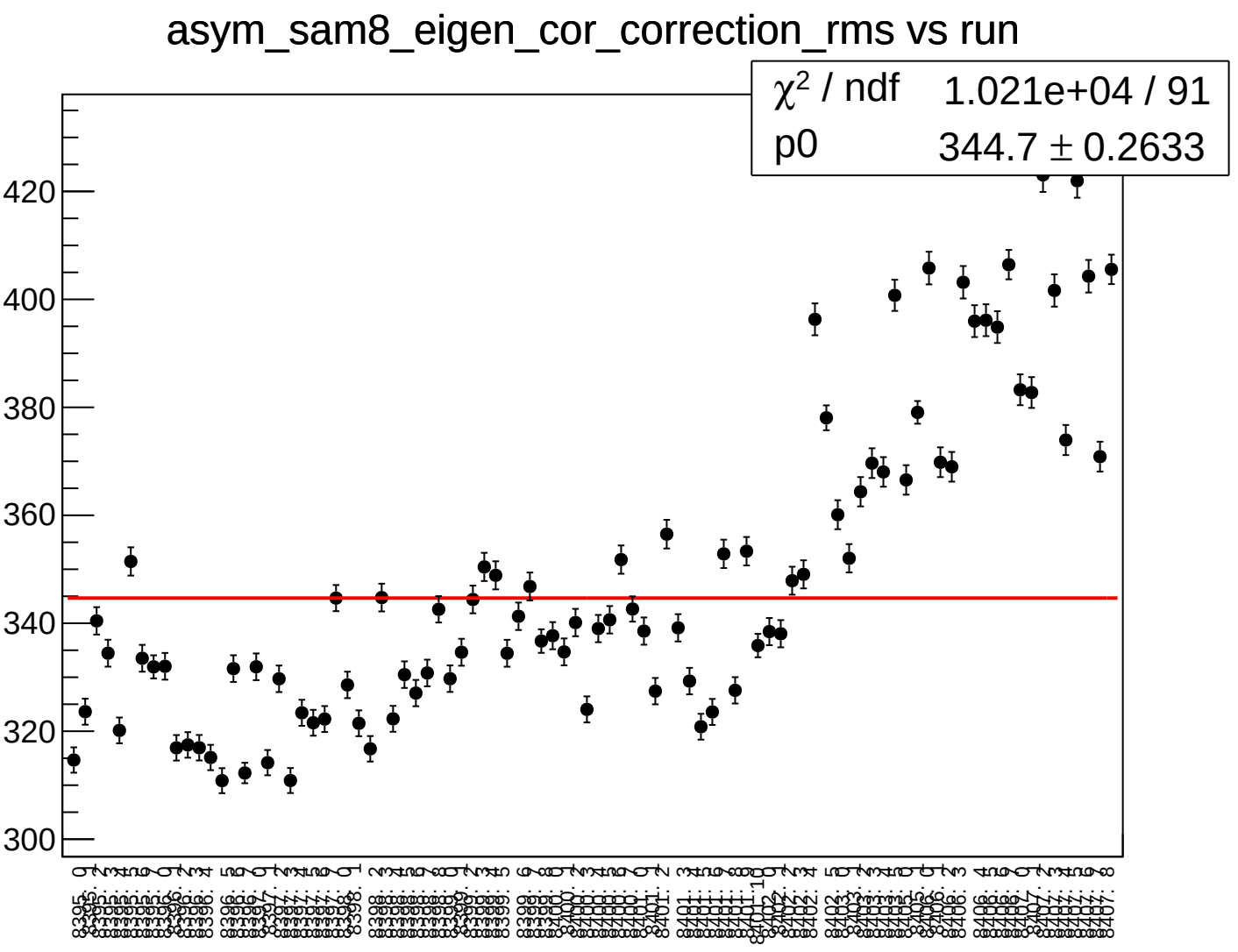

asym_sam8_cor_correction_rms vs run
χ² / ndf 1.021e+04 / 91
p0 344.7 ± 0.2633
420
400
380
360
340
320
300

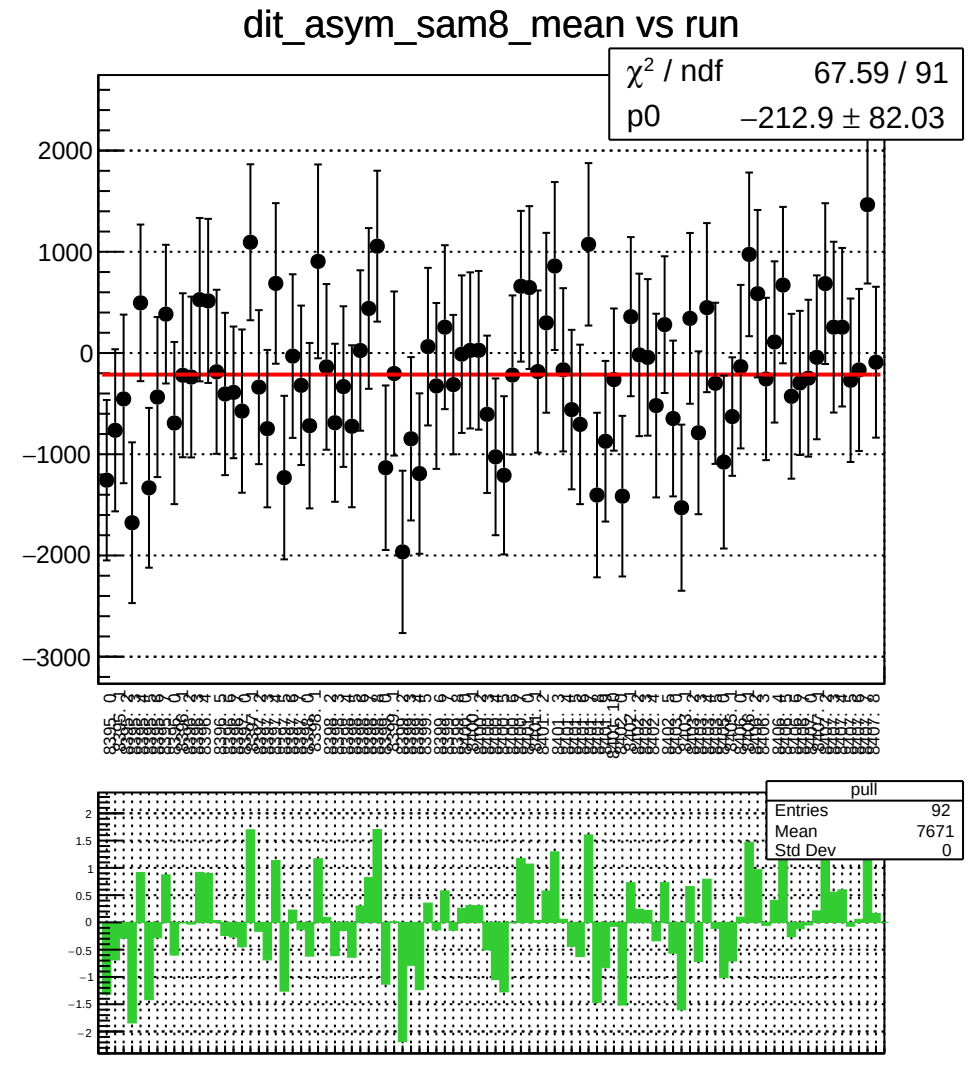

eigen_cor_asym_sam8_mean vs run
χ² / ndf 69.57 / 91
p0 −164.4 ± 74.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −7.088e+04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −5.757e−05
Std Dev 0.8696
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

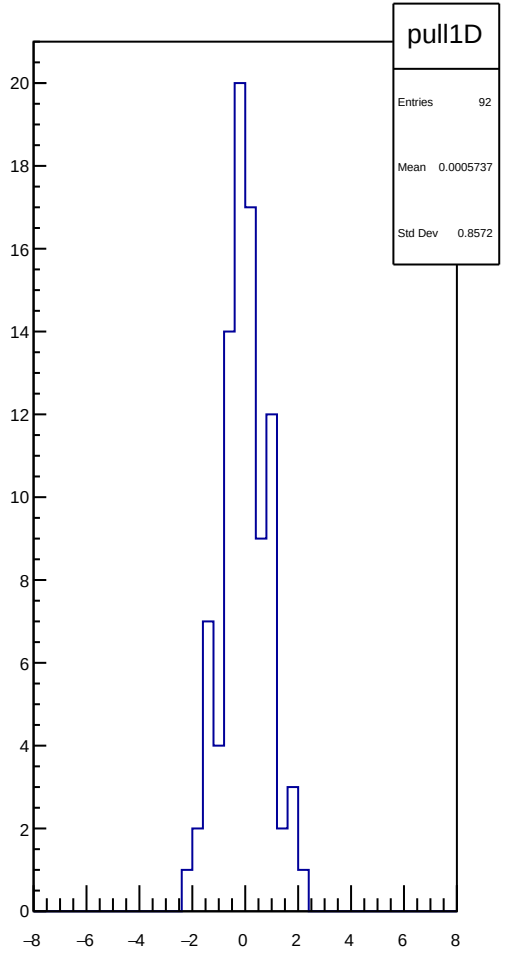

eigen_cor_asym_sam8_rms vs run
$\chi^2$ / ndf 1785 / 91
p0 69.52 ± 0.05298
84
82
80
78
76
74
72
70
68
66
64

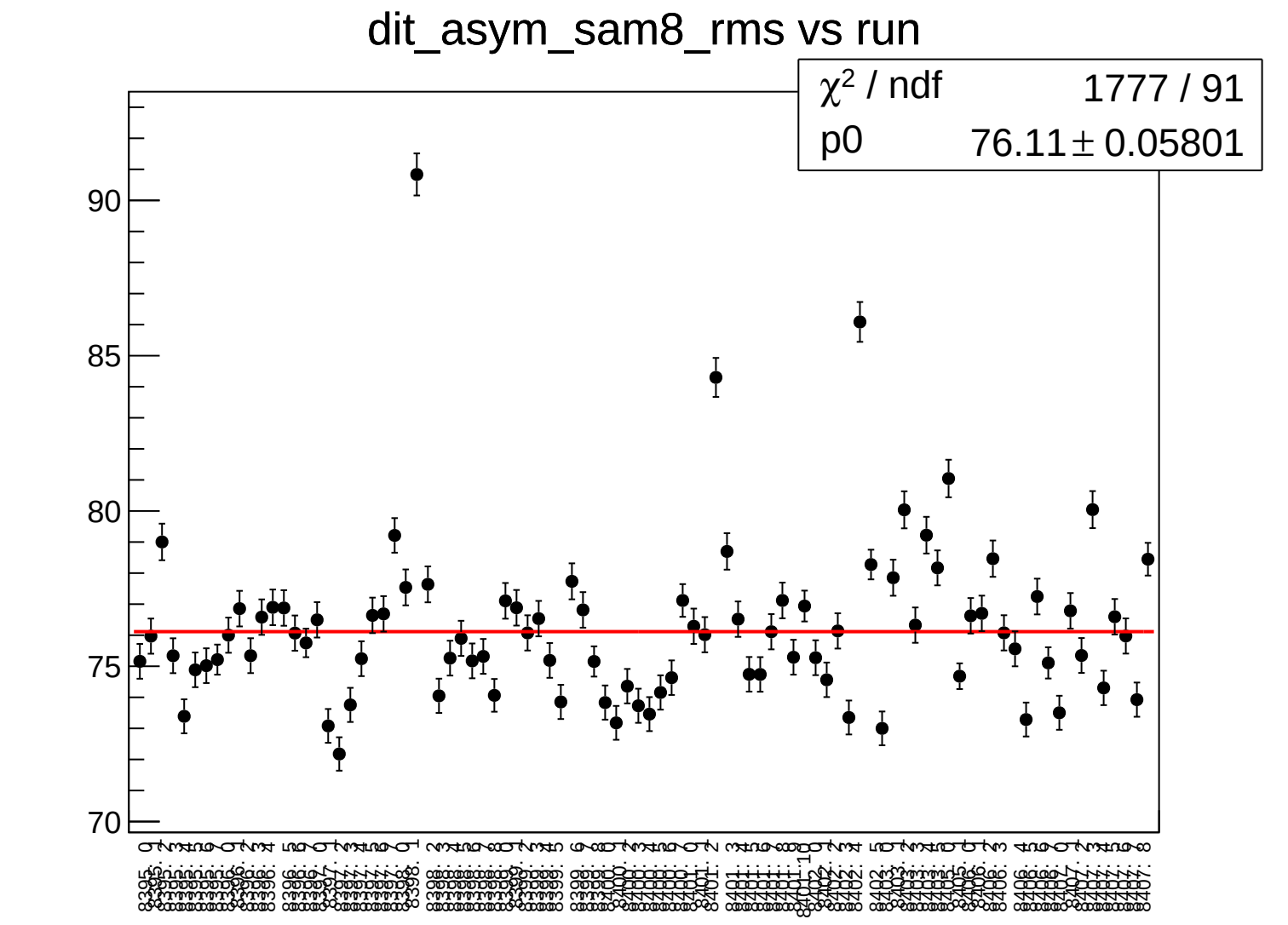

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 84.81 / 91
p0 −128.7 ± 372.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 262.2
Std Dev 0
2
1
0
−1
−2

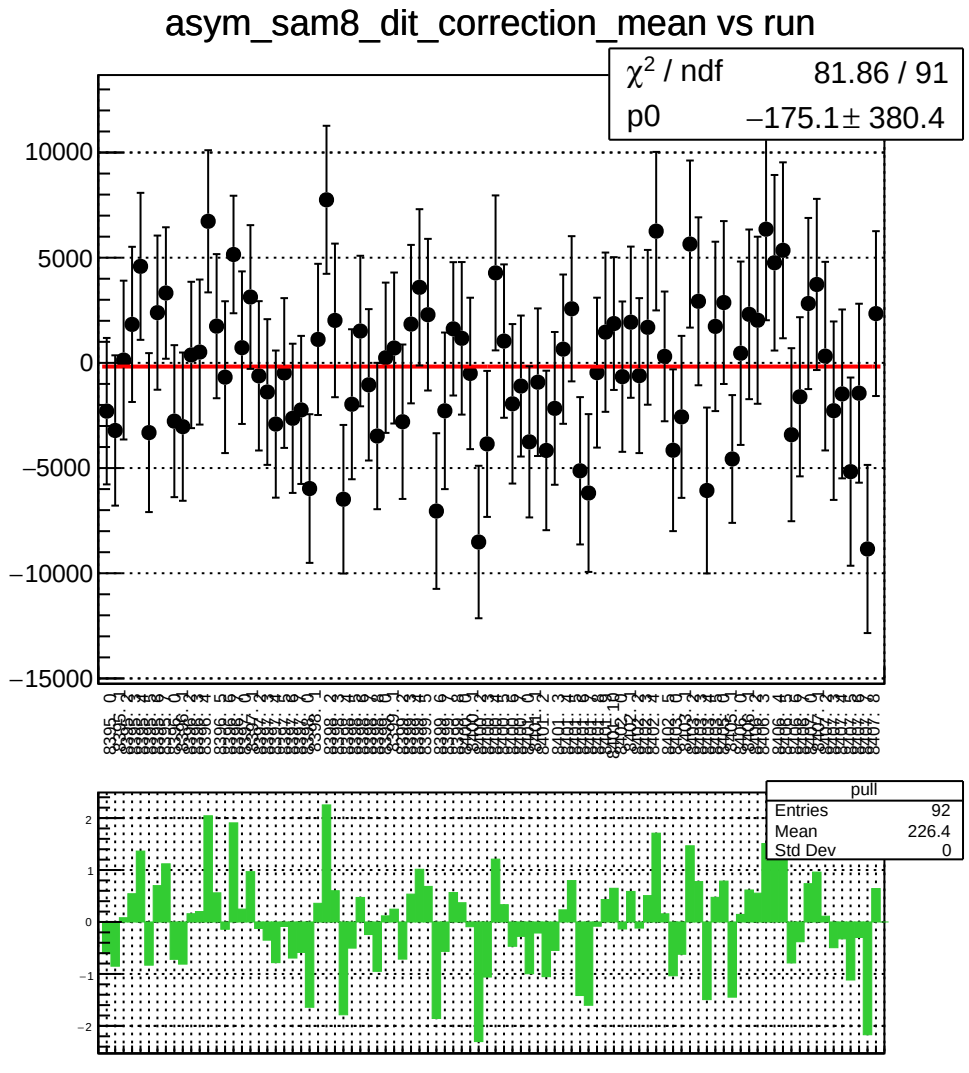

pull1D
Entries 92
Mean −0.004149
Std Dev 0.9601
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

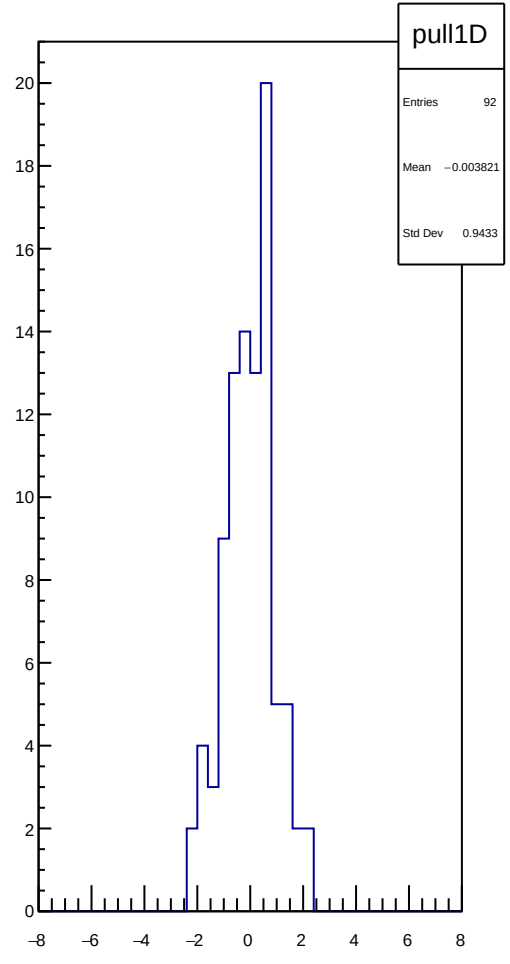

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 1.021e+04 / 91
p0 344.7 ± 0.2633
420
400
380
360
340
320
300

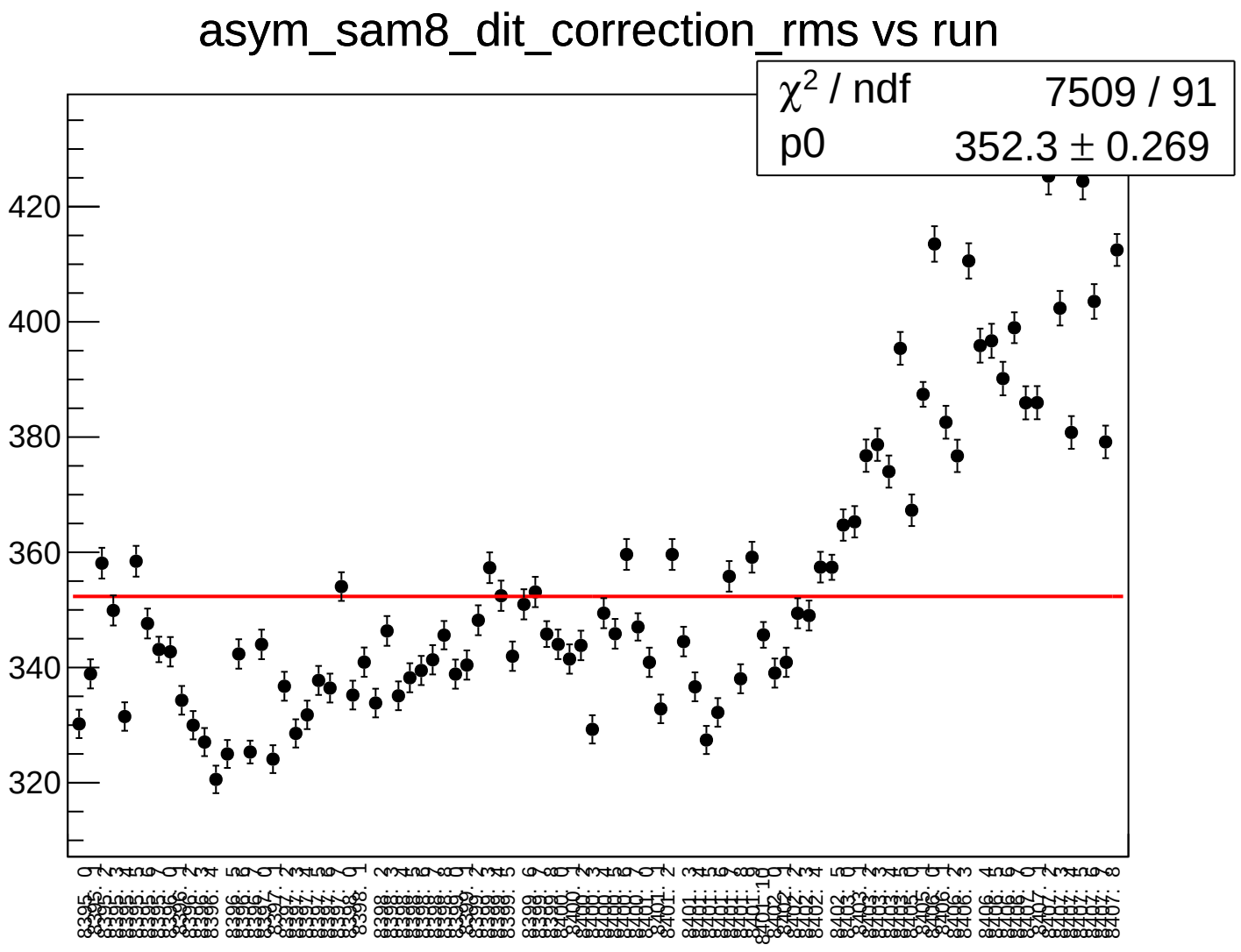

dit_asym_sam8_mean vs run
χ² / ndf 67.59 / 91
p0 −212.9 ± 82.03
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 7671
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

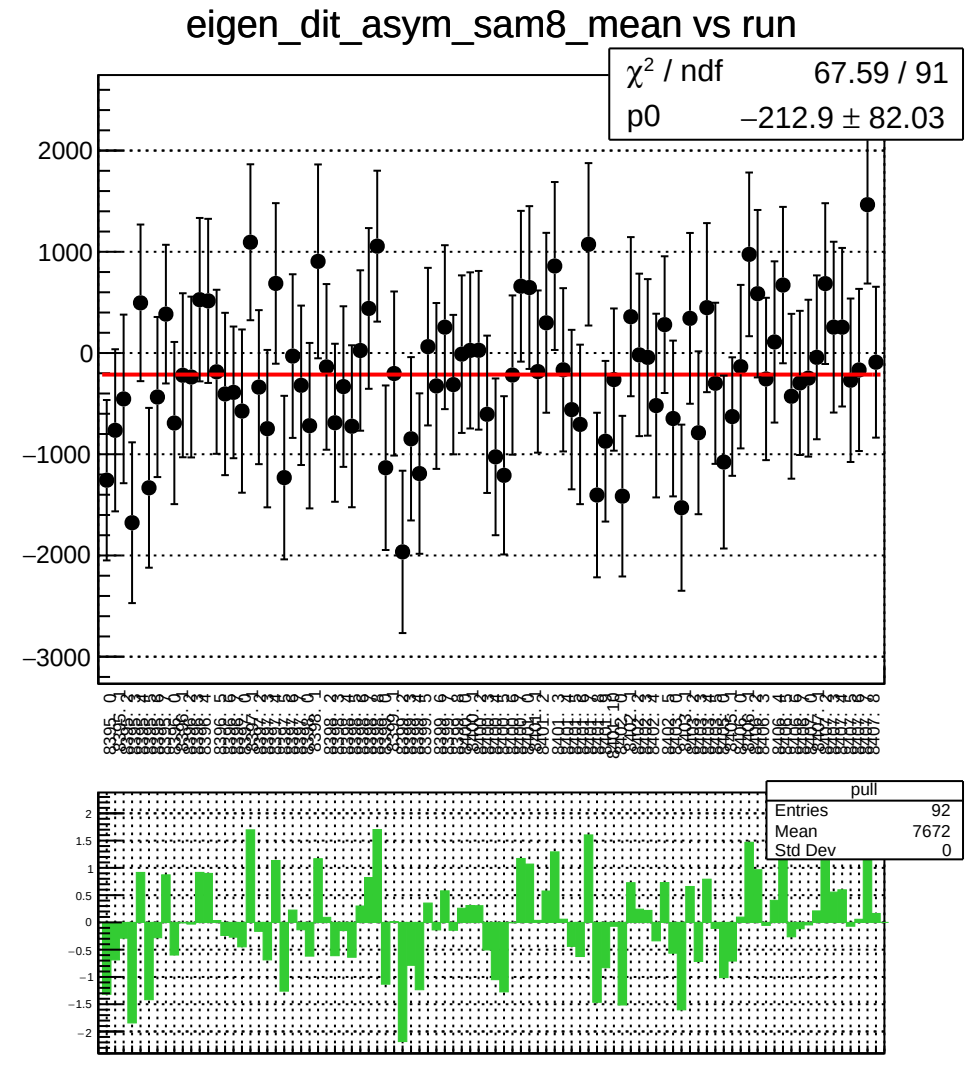

pull1D
Entries 92
Mean 0.0005737
Std Dev 0.8572
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

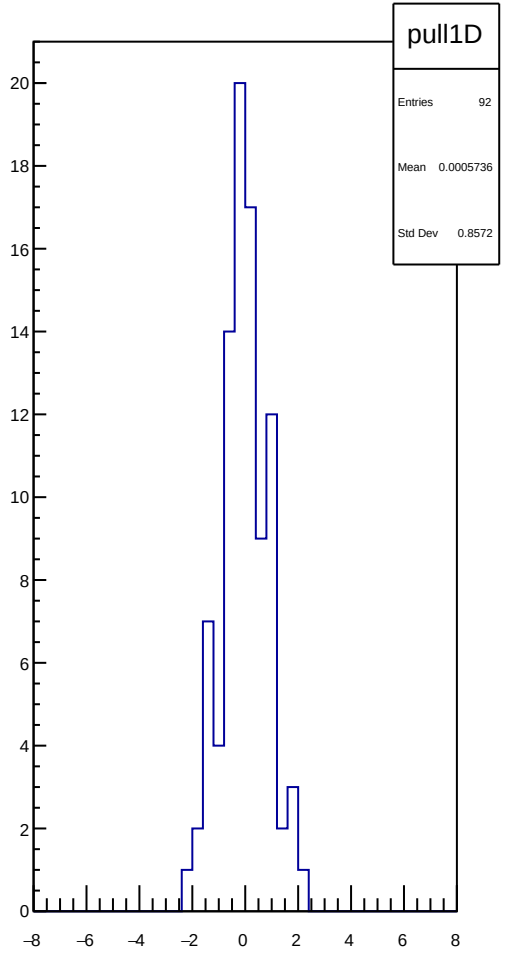

dit_asym_sam8_rms vs run
$\chi^2$ / ndf 1777 / 91
p0 76.11 ± 0.05801
90
85
80
75
70

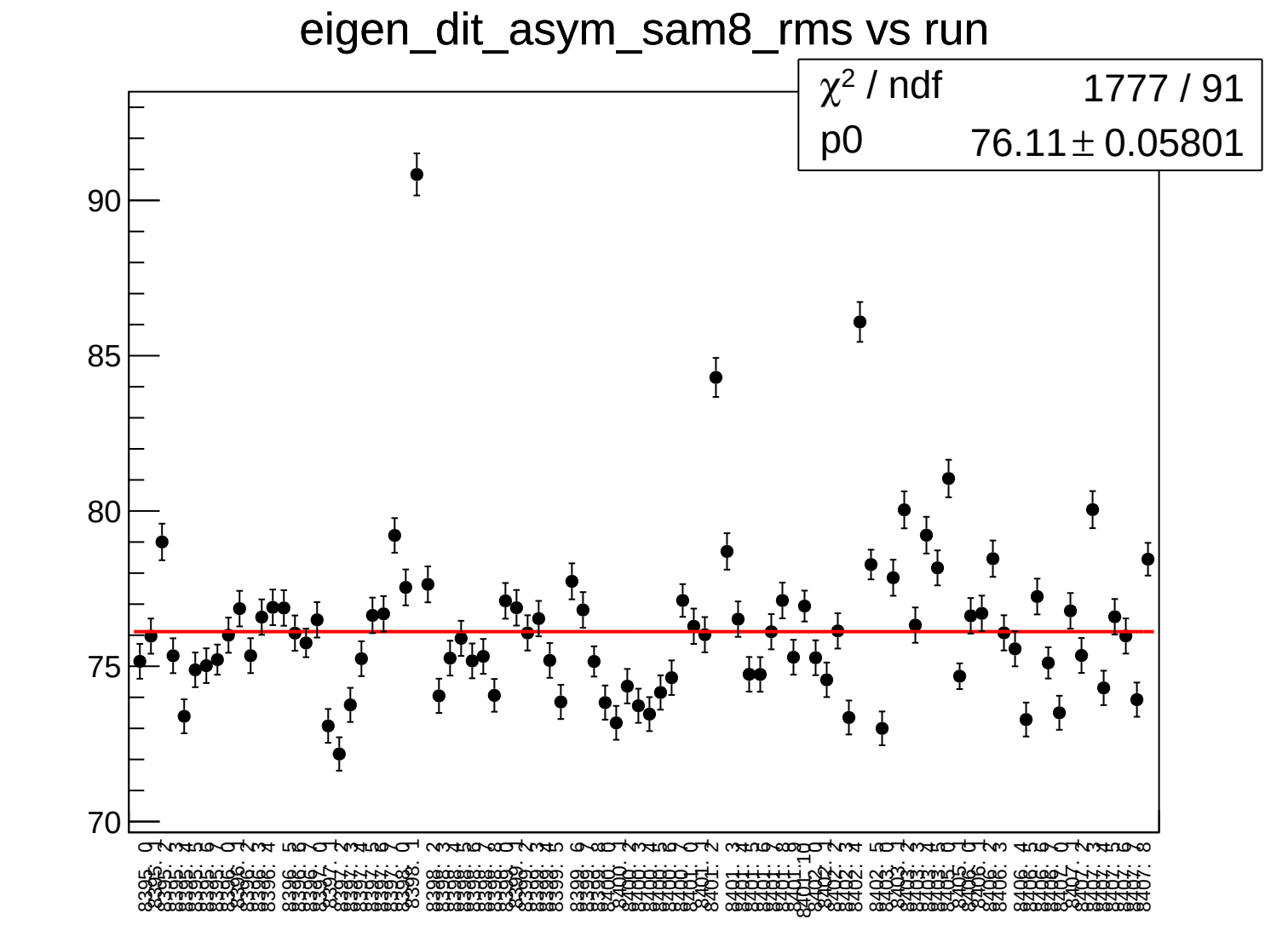

asym_sam8_dit_correction_mean vs run
χ² / ndf 81.86 / 91
p0 −175.1± 380.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 226.4
Std Dev 0
2
1
0
−1
−2

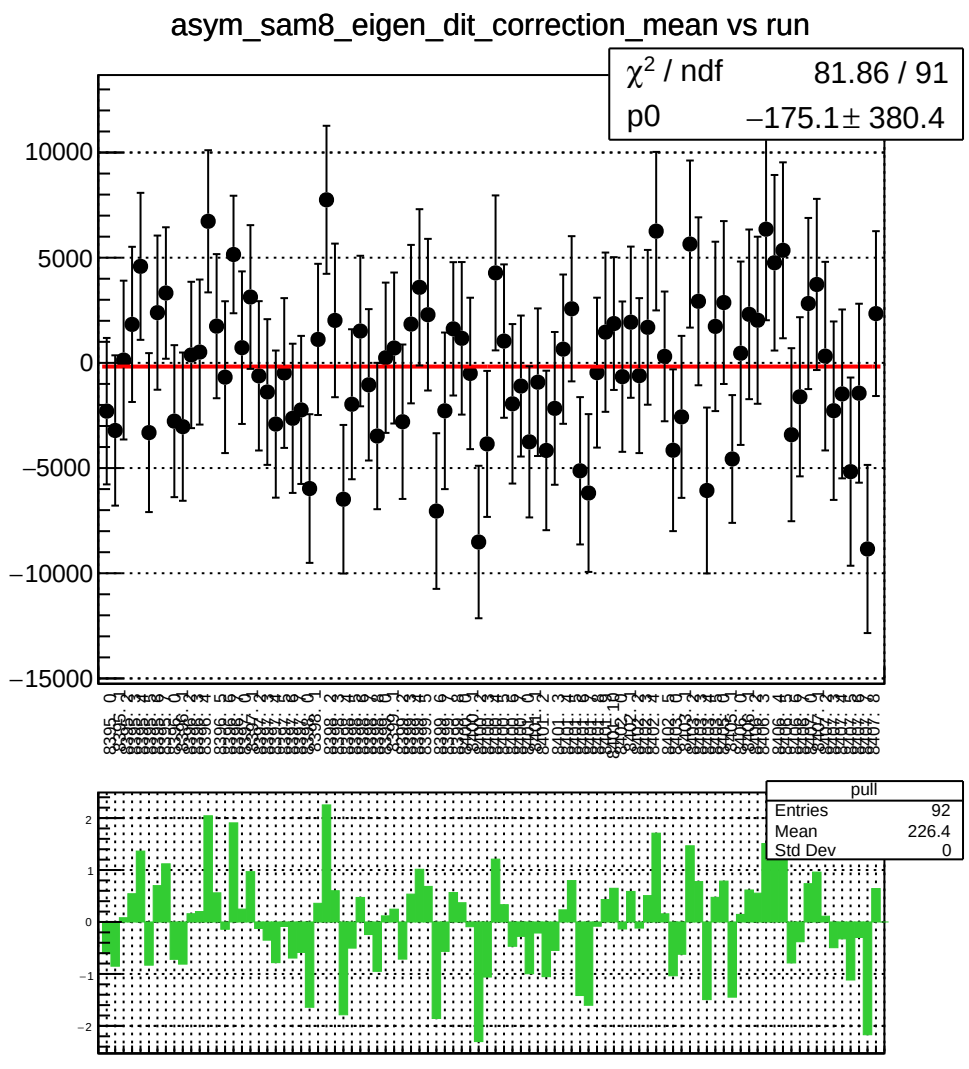

pull1D
Entries 92
Mean −0.003821
Std Dev 0.9433
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

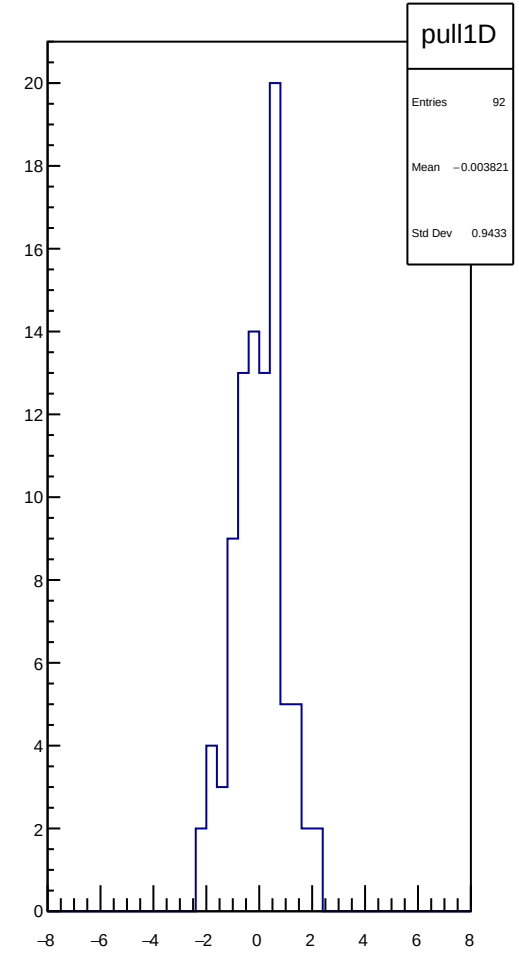

asym_sam8_dit_correction_rms vs run
χ² / ndf 7509 / 91
p0 352.3 ± 0.269
420
400
380
360
340
320

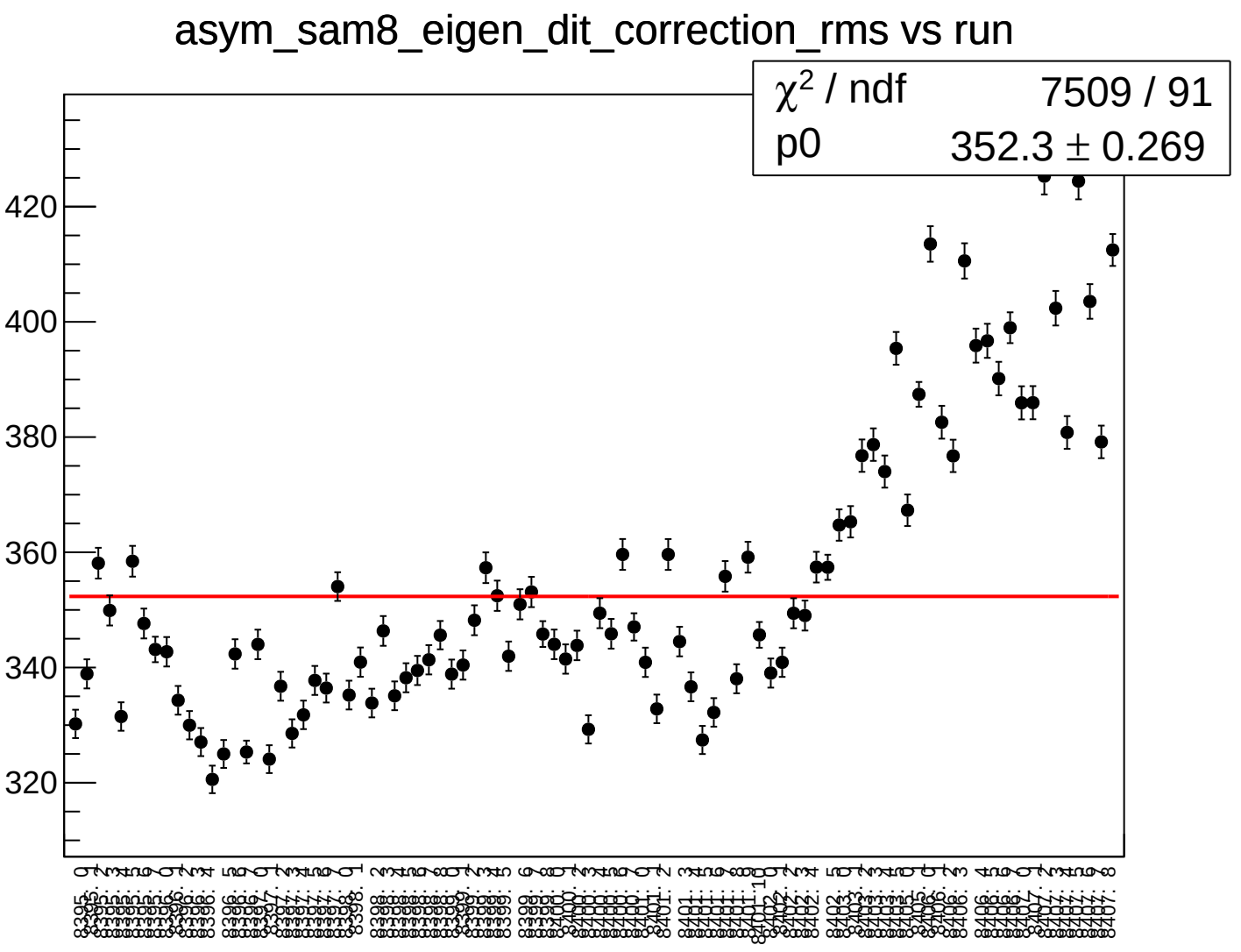

eigen_dit_asym_sam8_mean vs run
χ² / ndf 67.59 / 91
p0 −212.9 ± 82.03
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 7672
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

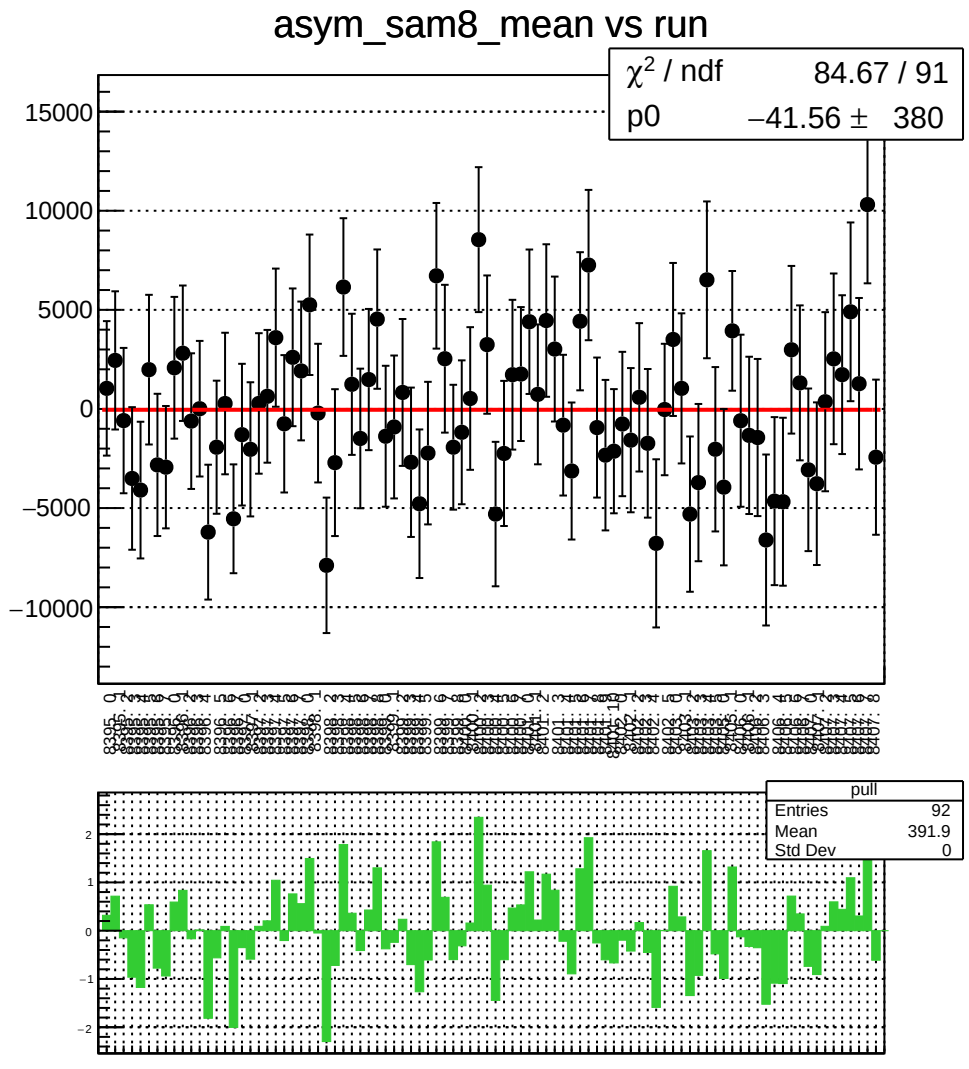

pull1D
Entries 92
Mean 0.0005736
Std Dev 0.8572
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

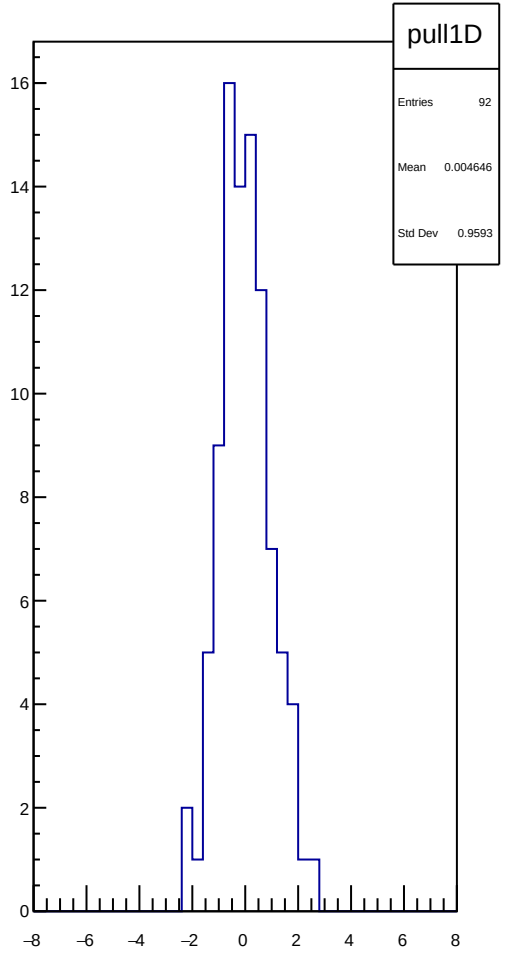

eigen_dit_asym_sam8_rms vs run
$\chi^2$ / ndf 1777 / 91
p0 76.11 ± 0.05801
90
85
80
75
70

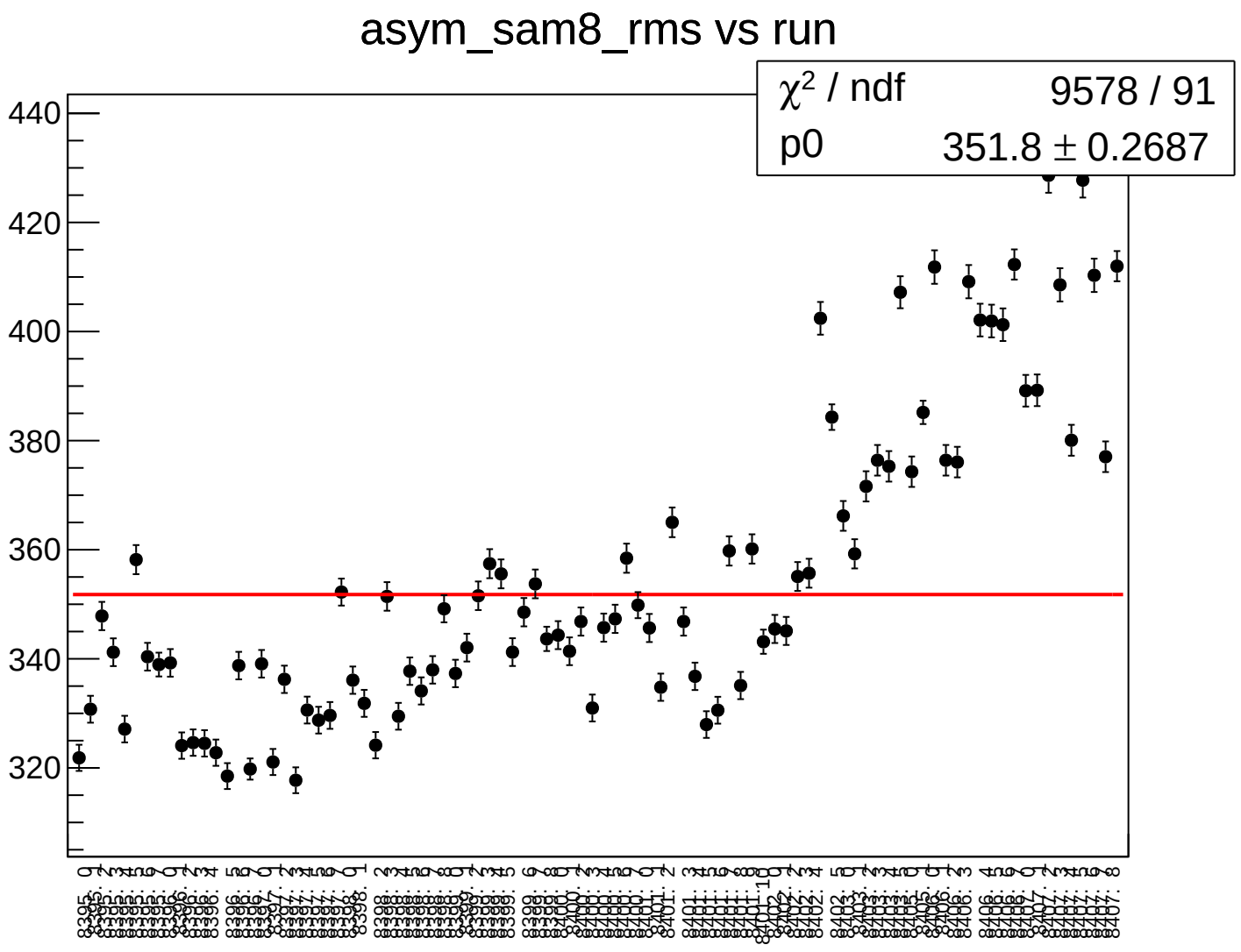

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 81.86 / 91
p0 −175.1± 380.4
pull
Entries 92
Mean 226.4
Std Dev 0

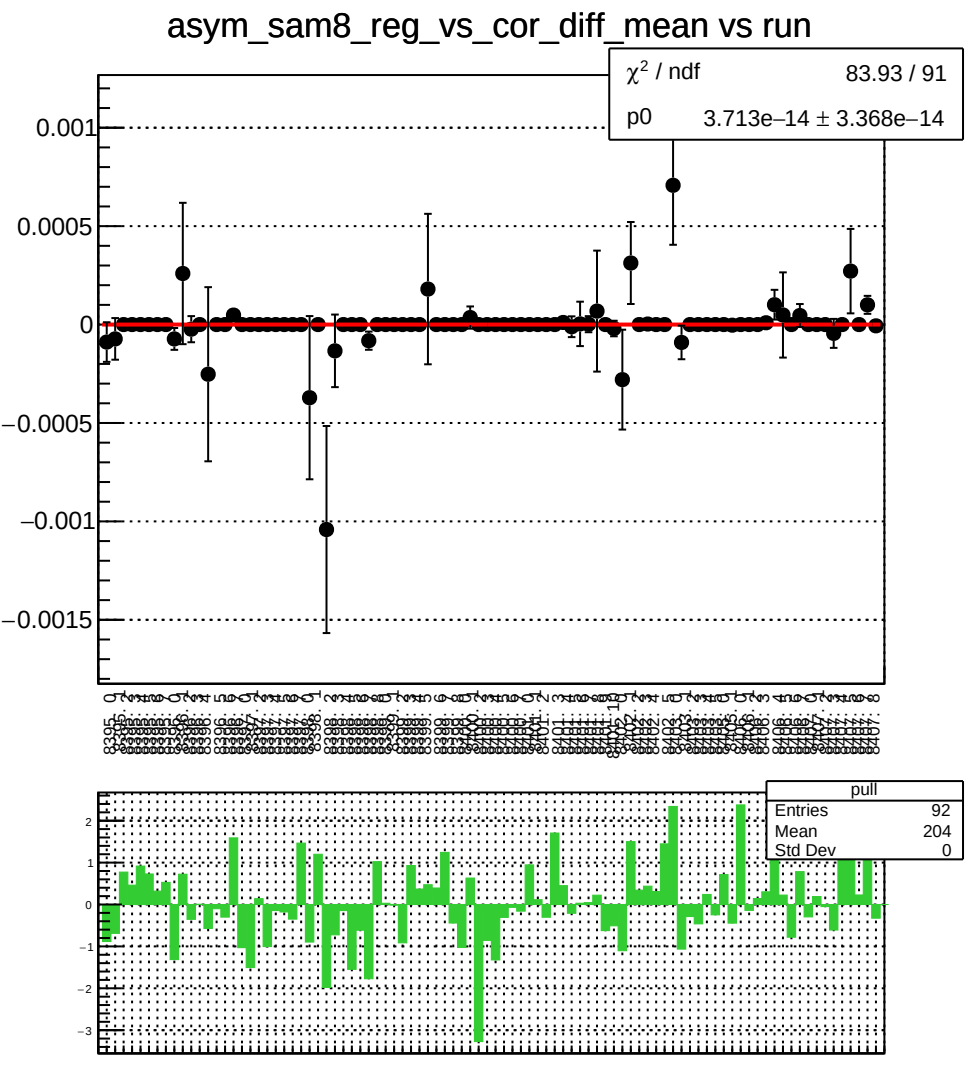

pull1D
Entries 92
Mean −0.003821
Std Dev 0.9433

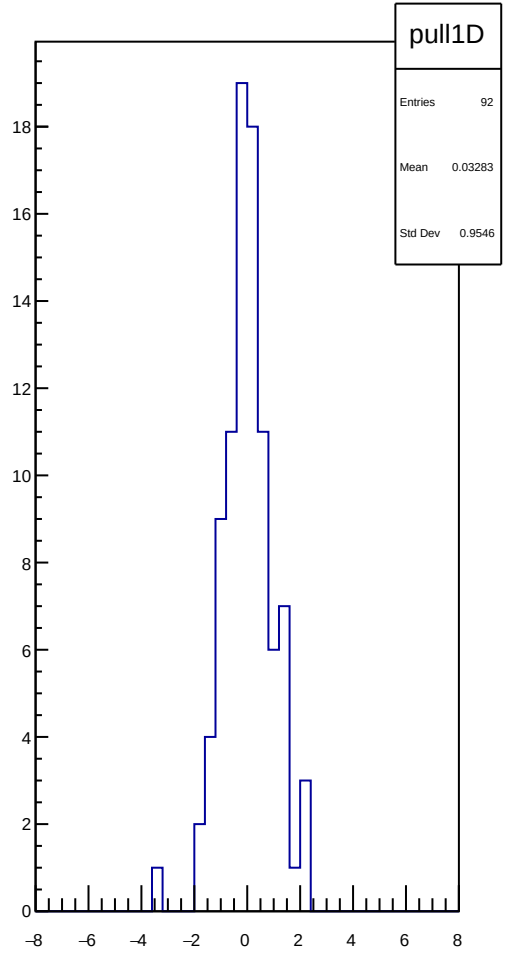

asym_sam8_eigen_dit_correction_rms vs run
$\chi^2$ / ndf 7509 / 91
p0 352.3 ± 0.269
420
400
380
360
340
320

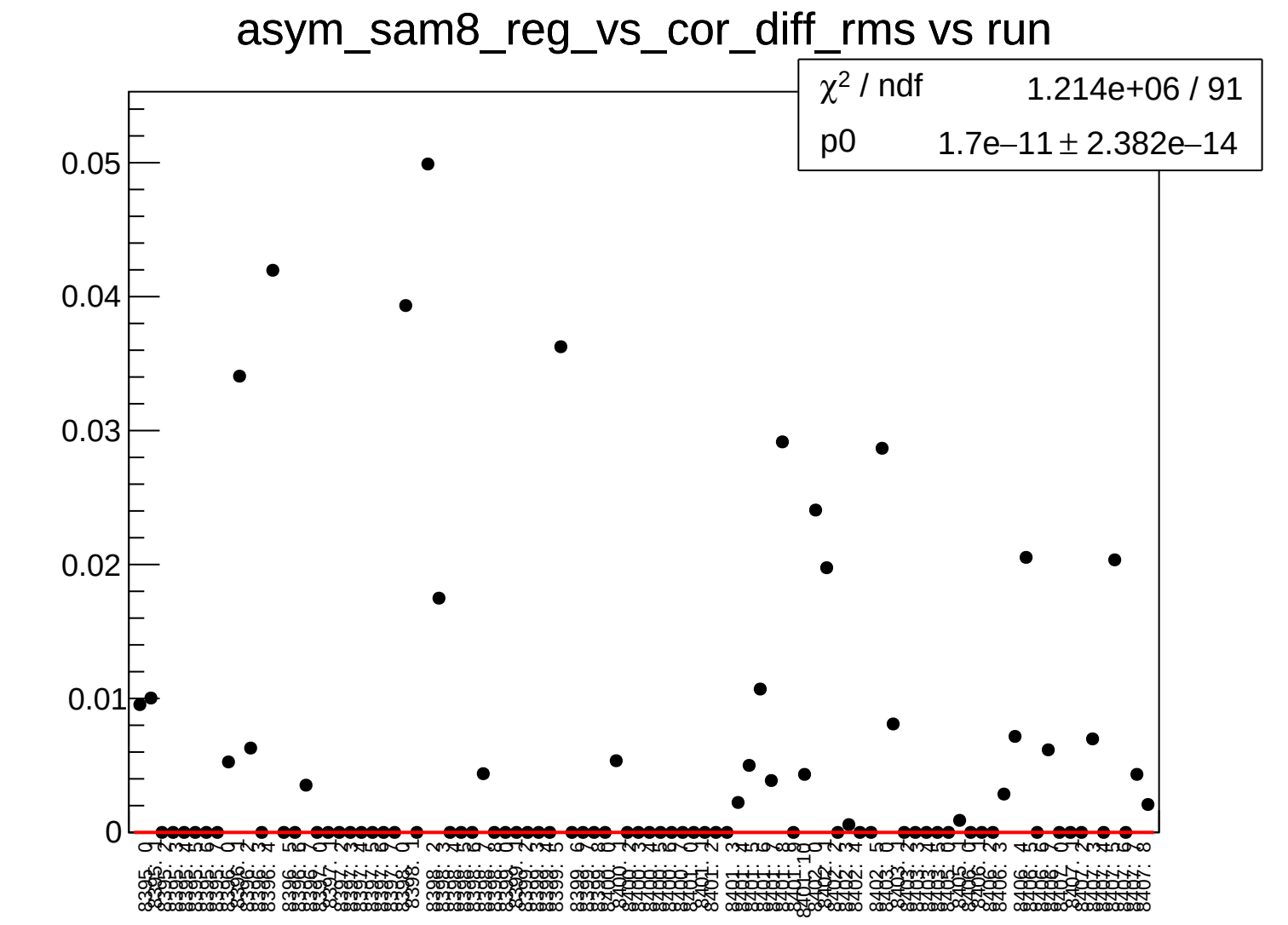

asym_sam8_mean vs run
χ² / ndf 84.67 / 91
p0 −41.56 ± 380
15000
10000
5000
0
−5000
−10000
pull
Entries 92
Mean 391.9
Std Dev 0
2
1
0
−1
−2

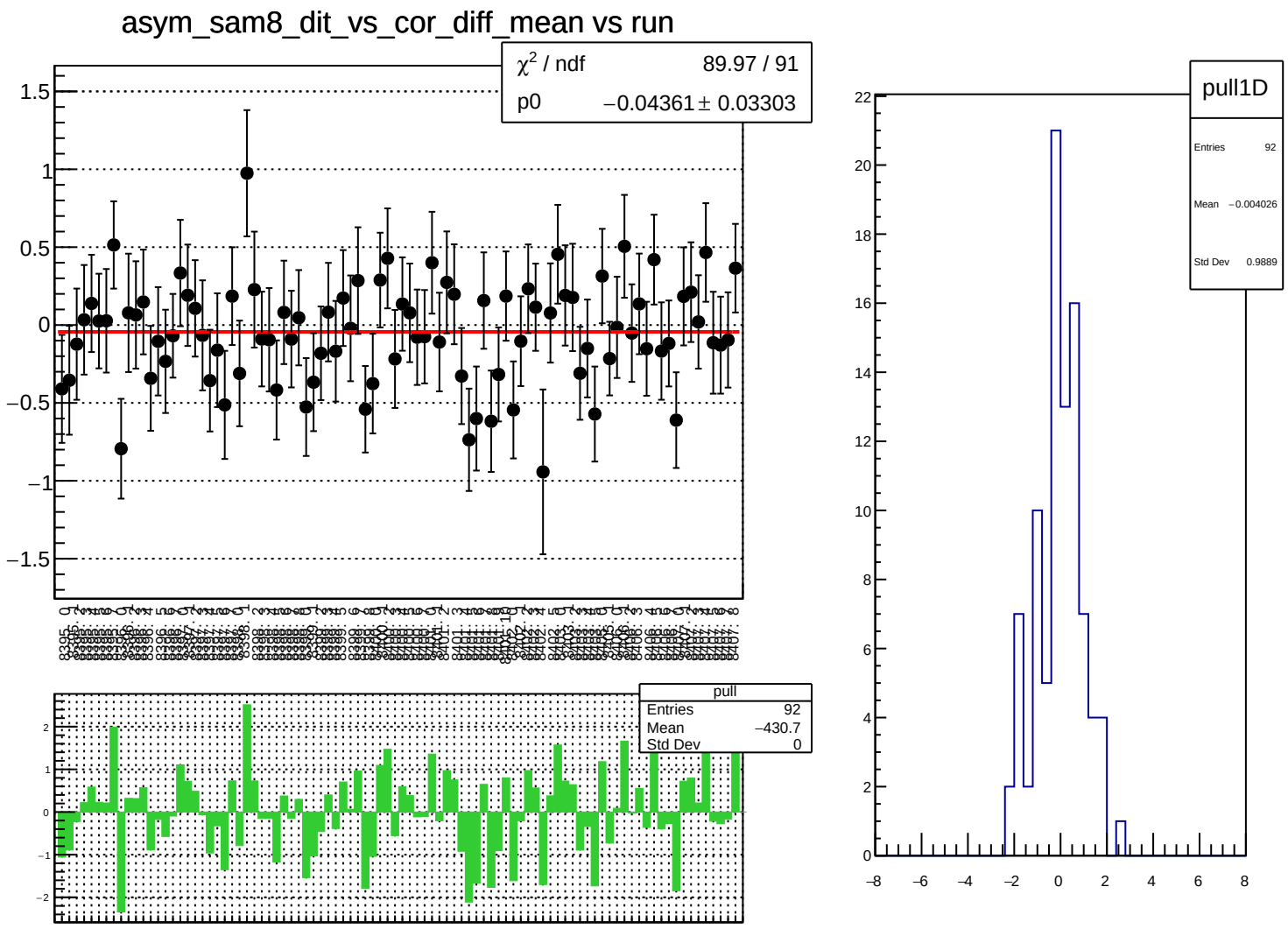

pull1D
Entries 92
Mean 0.004646
Std Dev 0.9593
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

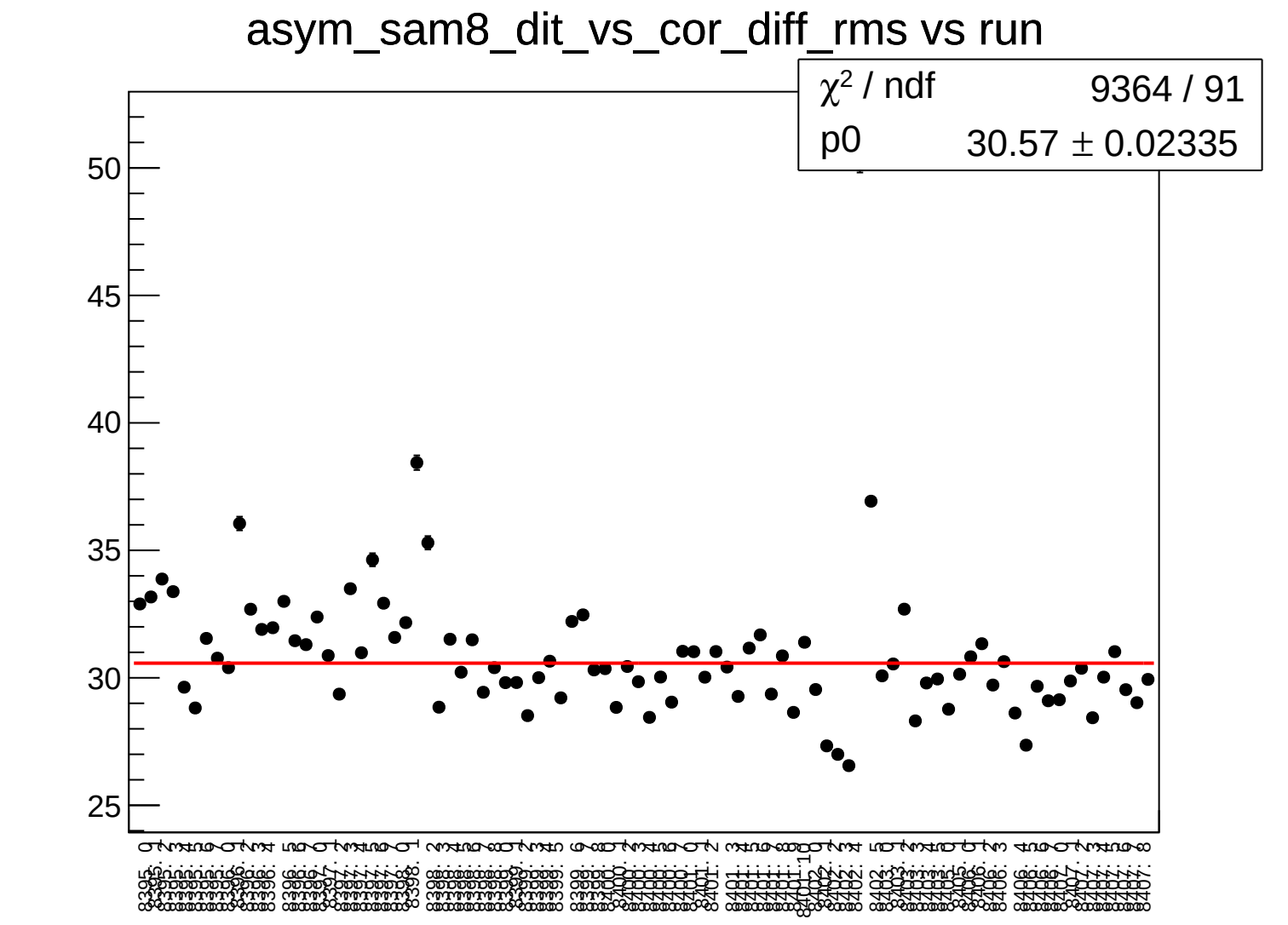

asym_sam8_rms vs run
$\chi^2$ / ndf 9578 / 91
p0 351.8 ± 0.2687
440
420
400
380
360
340
320

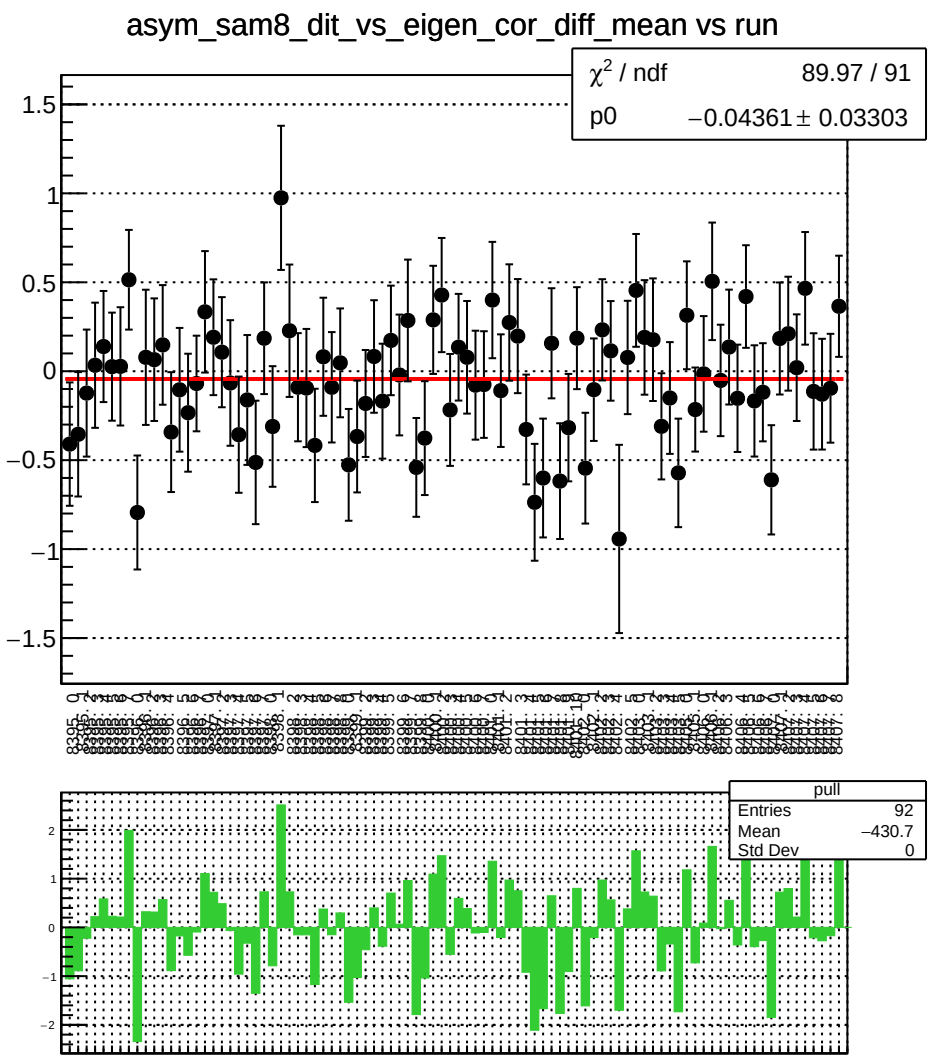

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 83.93 / 91
p0 3.713e−14 ± 3.368e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean 204
Std Dev 0
2
1
0
−1
−2
−3

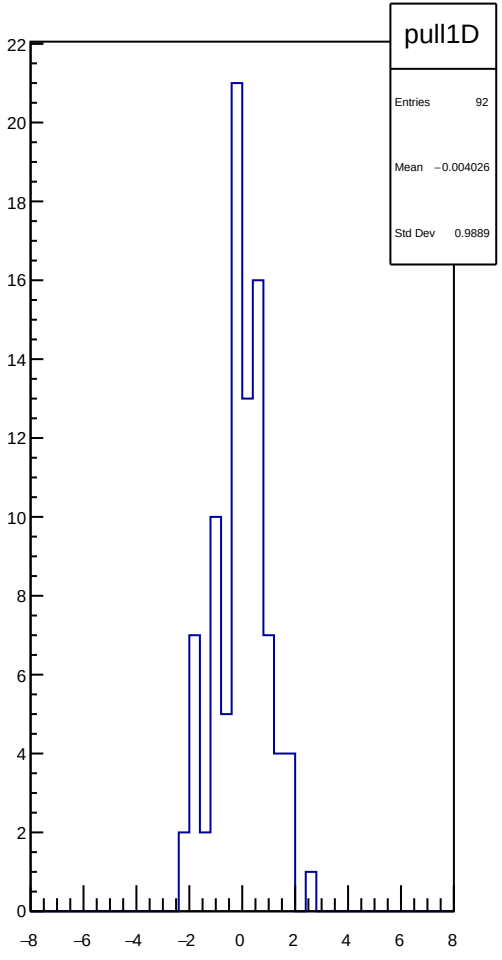

pull1D
Entries 92
Mean 0.03283
Std Dev 0.9546
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

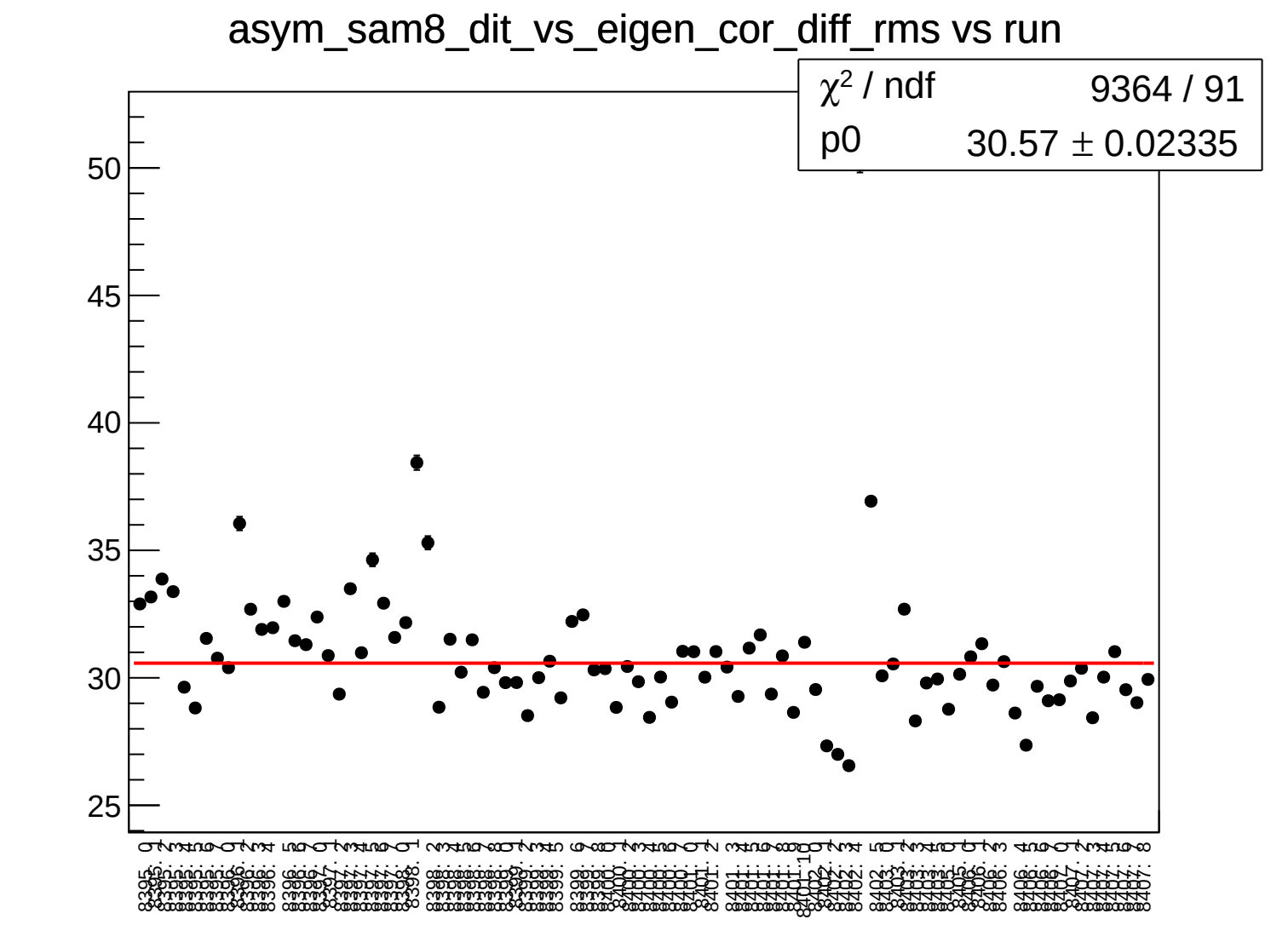

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 1.214e+06 / 91
p0 1.7e−11 ± 2.382e−14
0.05
0.04
0.03
0.02
0.01
0

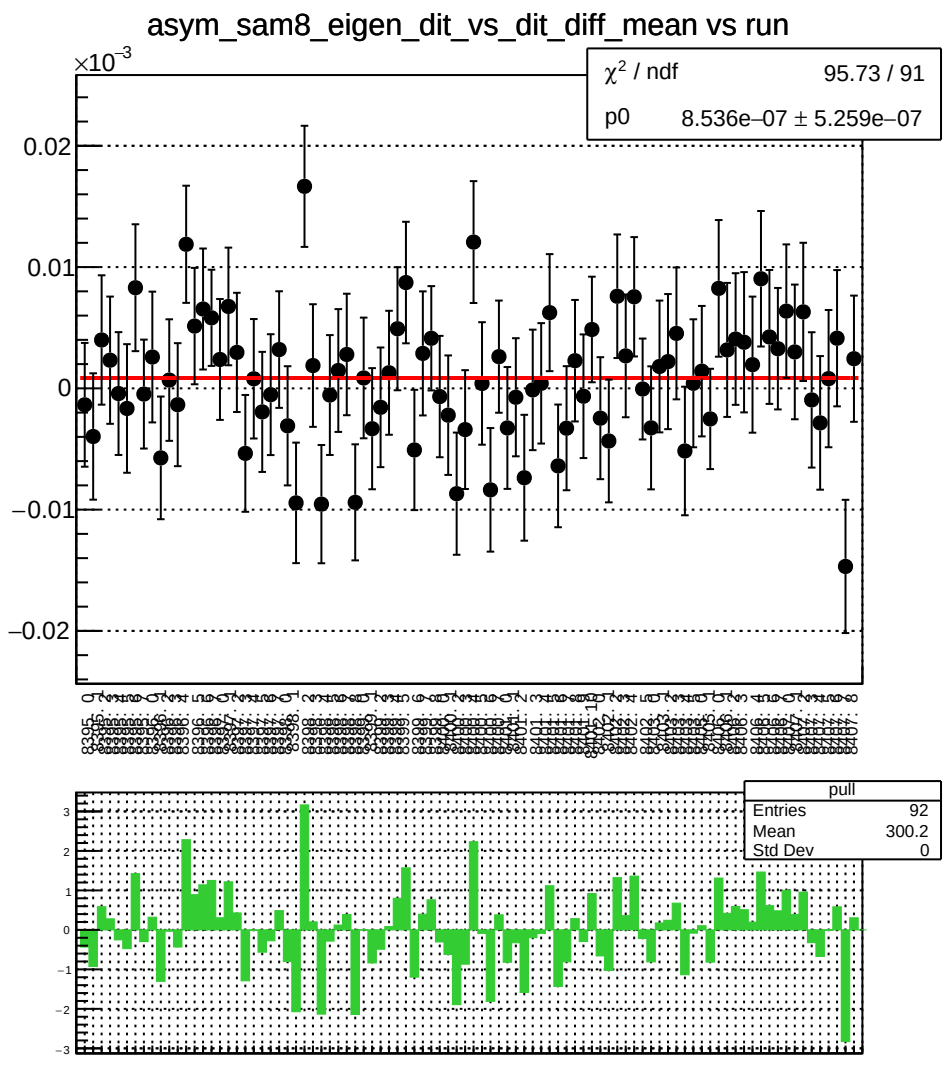

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 89.97 / 91
p0 −0.04361 ± 0.03303
pull
Entries 92
Mean −430.7
Std Dev 0
pull1D
Entries 92
Mean −0.004026
Std Dev 0.9889

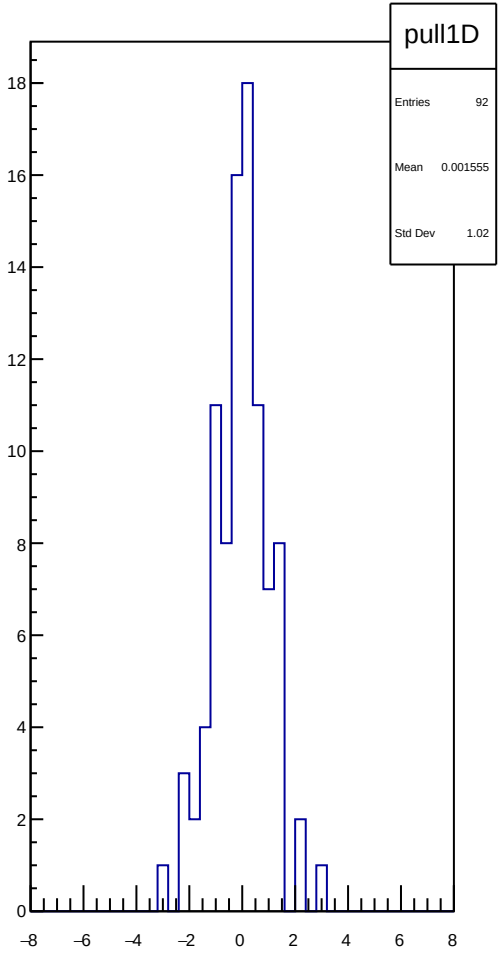

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 9364 / 91
p0 30.57 ± 0.02335
50
45
40
35
30
25

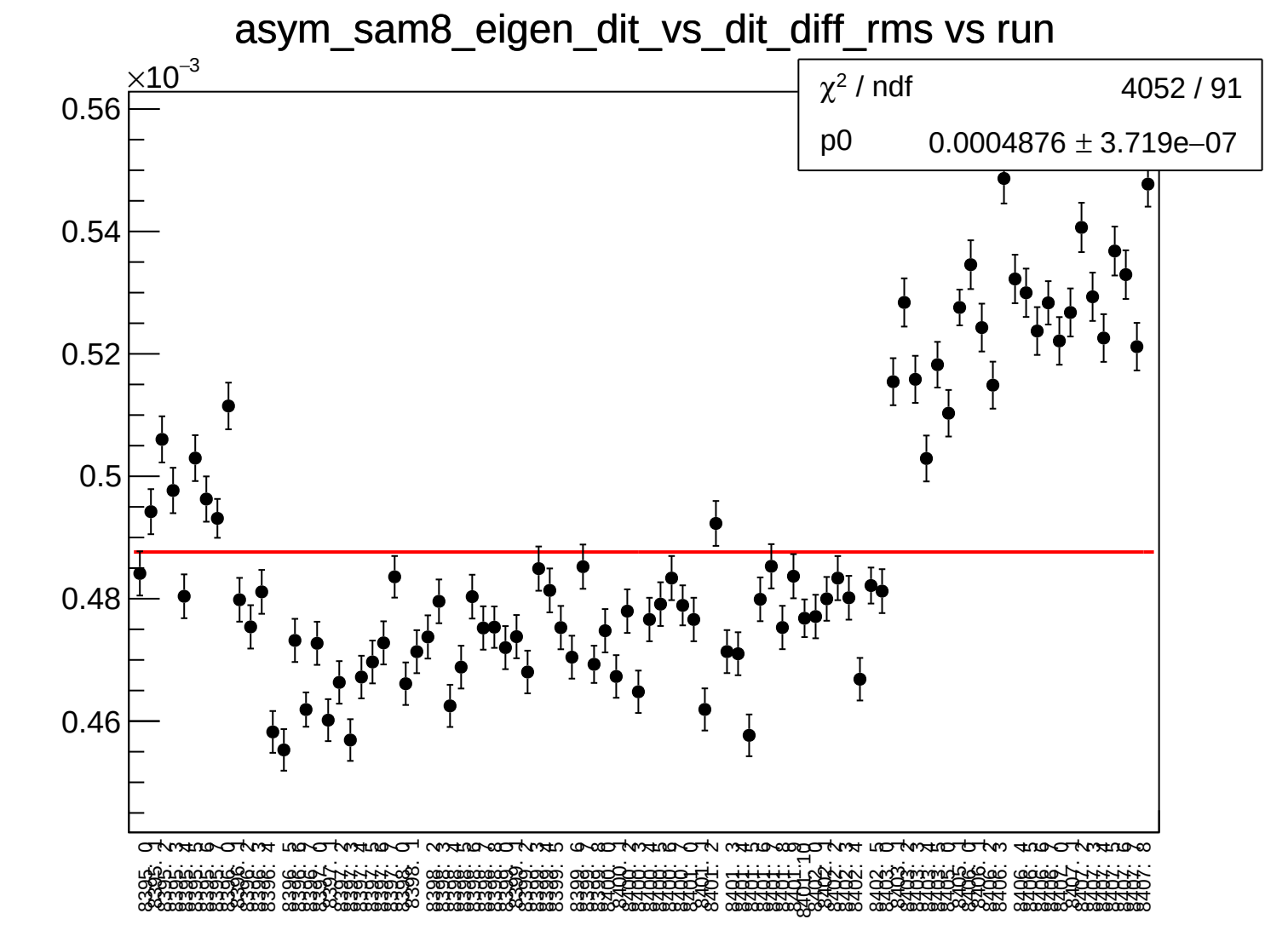

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.97 / 91
p0 −0.04361 ± 0.03303
pull
Entries 92
Mean −430.7
Std Dev 0

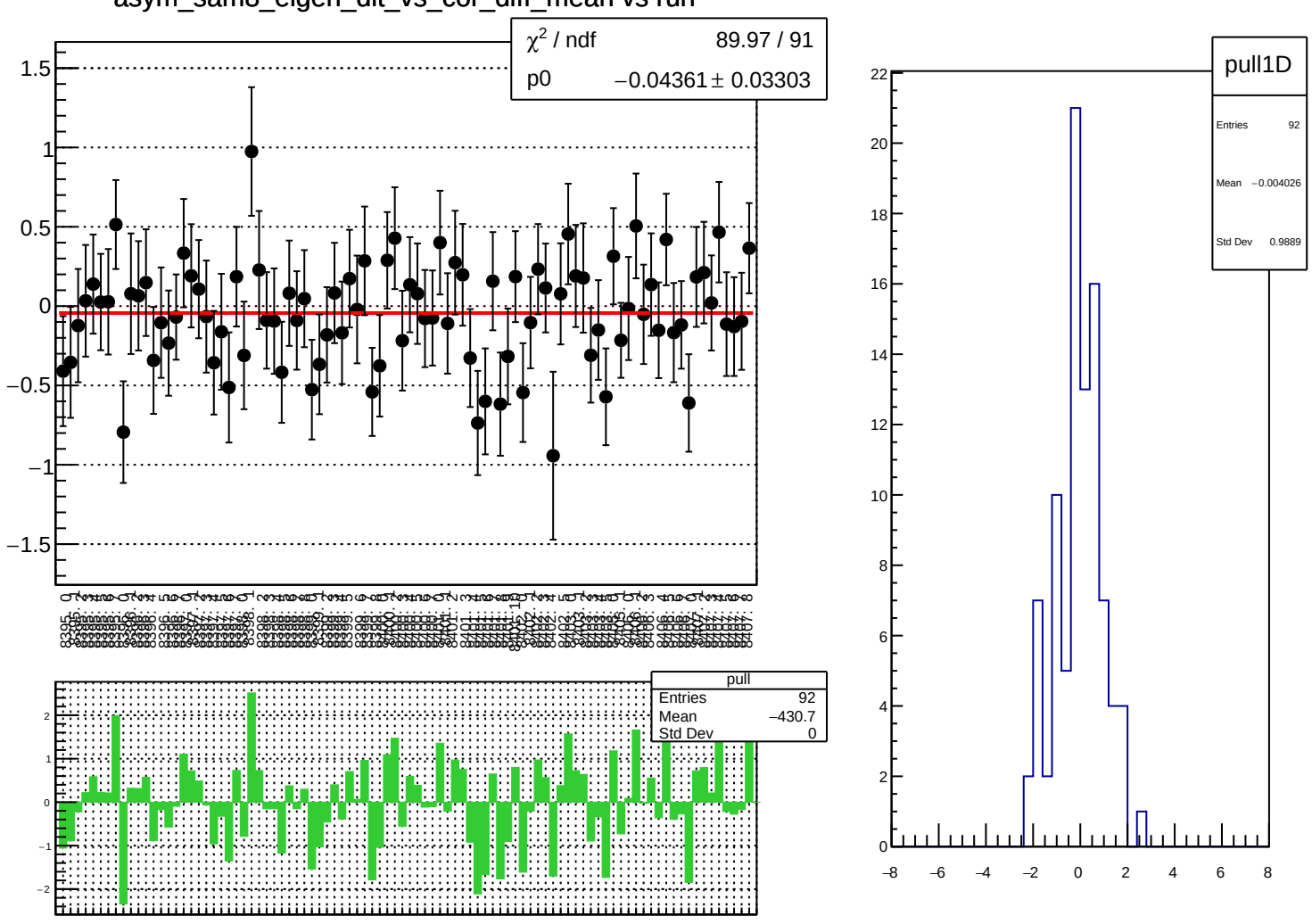

pull1D
Entries 92
Mean −0.004026
Std Dev 0.9889

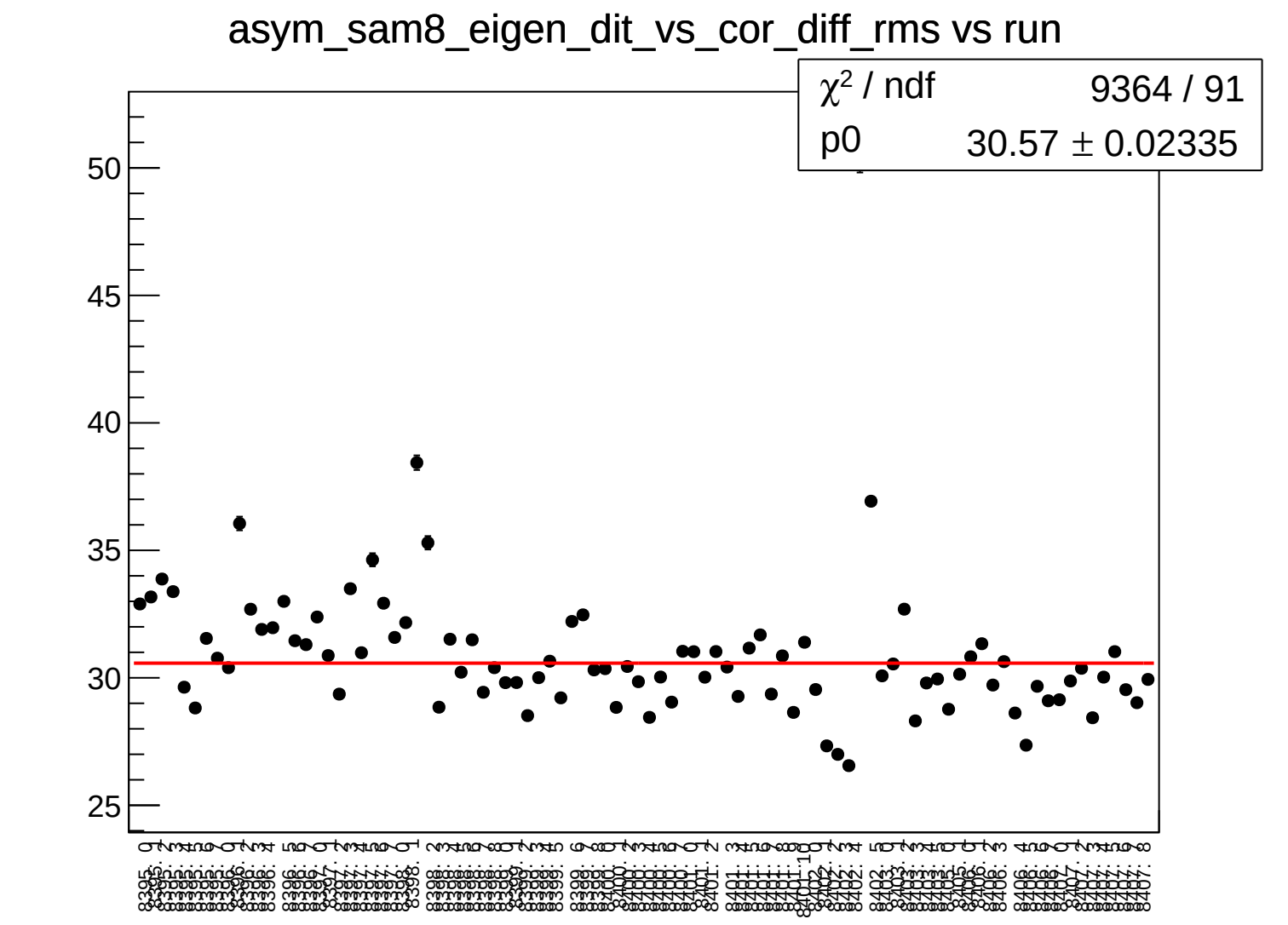

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9364 / 91
p0 30.57 ± 0.02335
50
45
40
35
30
25

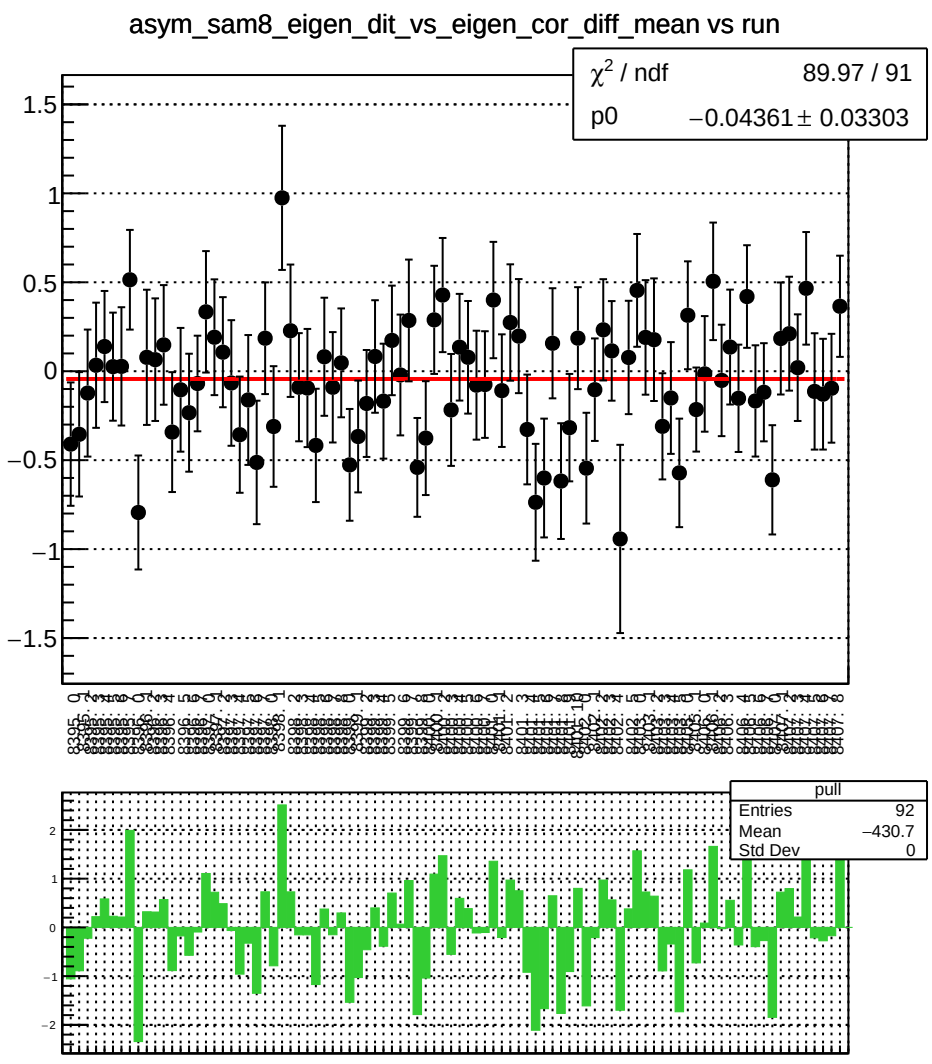

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.73 / 91
p0 8.536e−07 ± 5.259e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 92
Mean 300.2
Std Dev 0
3
2
1
0
−1
−2
−3

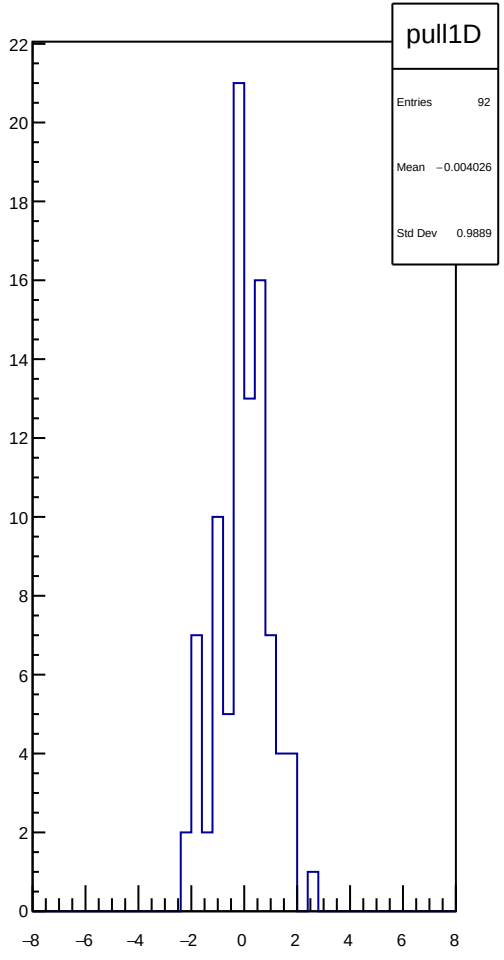

pull1D
Entries 92
Mean 0.001555
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

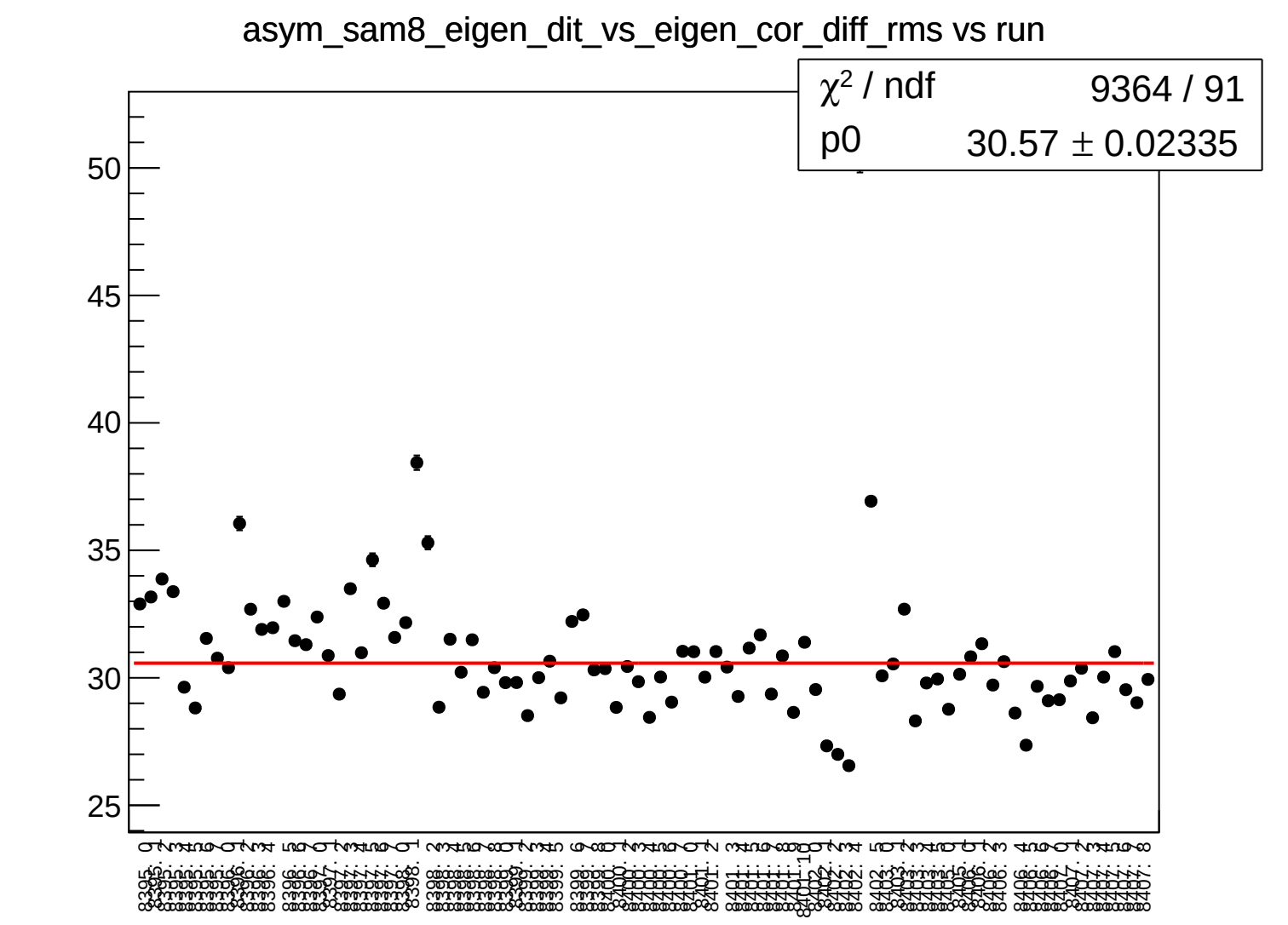

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 4052 / 91
p0 0.0004876 ± 3.719e−07
0.56
0.54
0.52
0.5
0.48
0.46

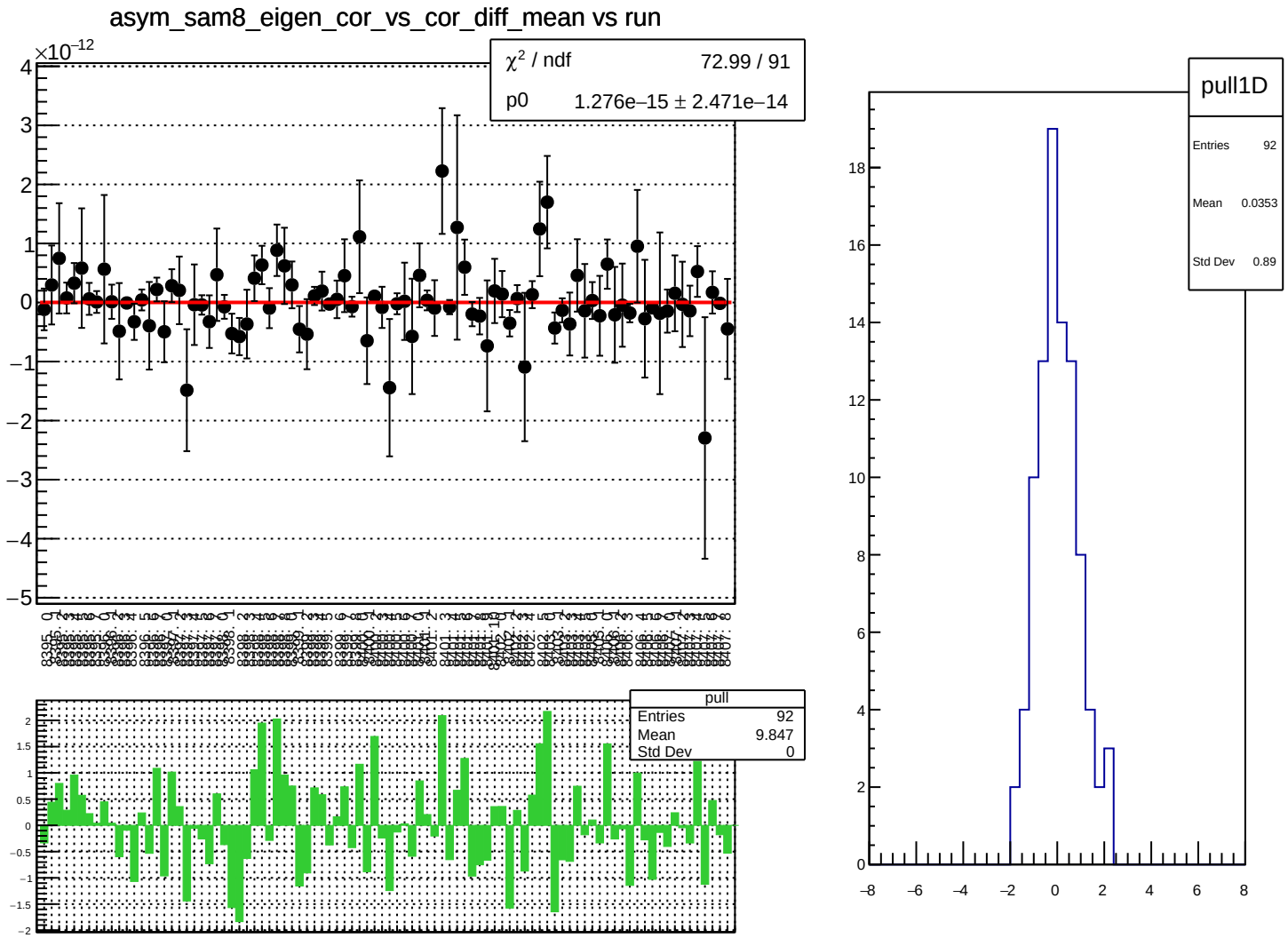

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.97 / 91
p0 −0.04361 ± 0.03303
pull
Entries 92
Mean −430.7
Std Dev 0
pull1D
Entries 92
Mean −0.004026
Std Dev 0.9889

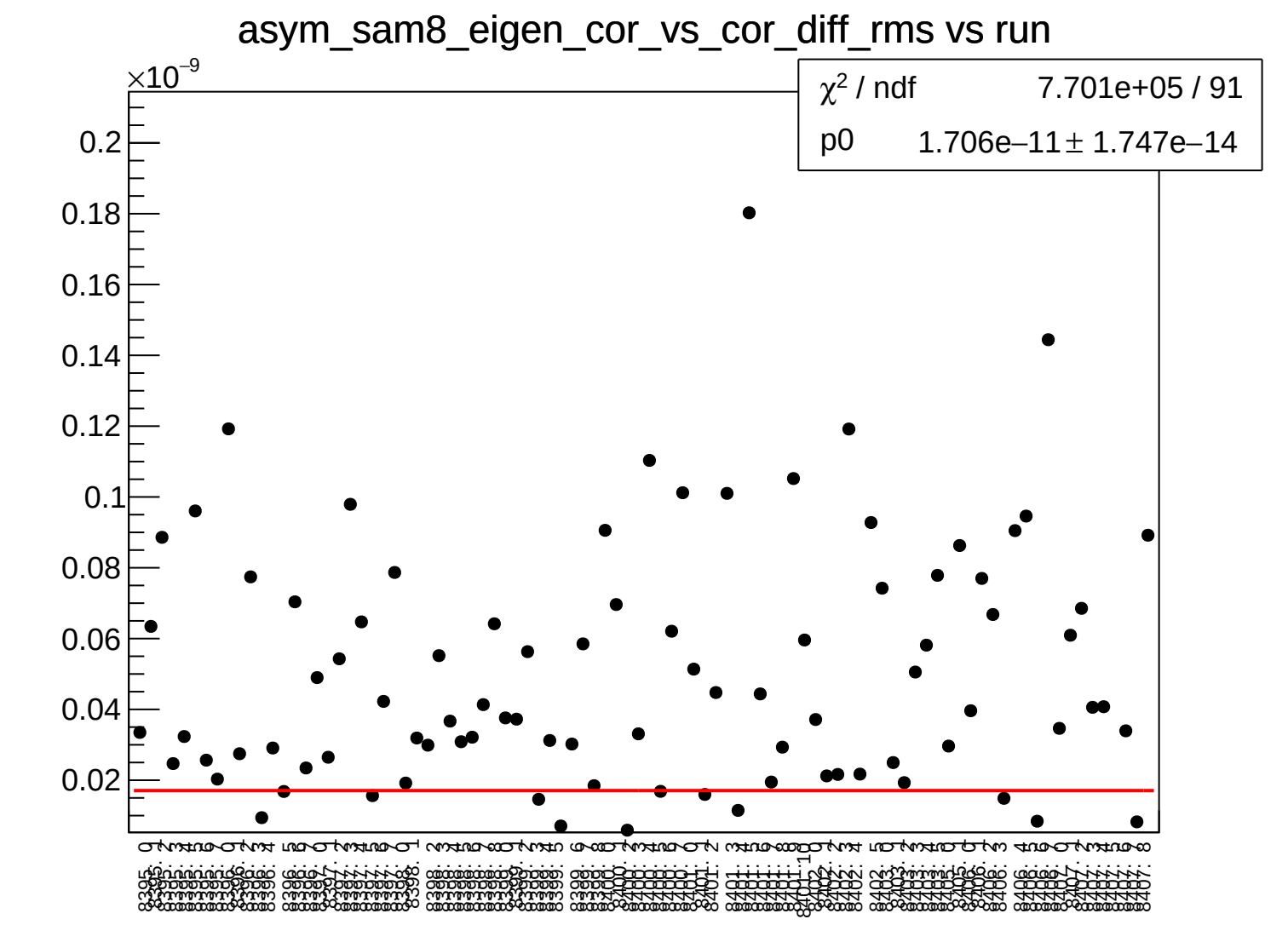

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9364 / 91
p0 30.57 ± 0.02335
50
45
40
35
30
25

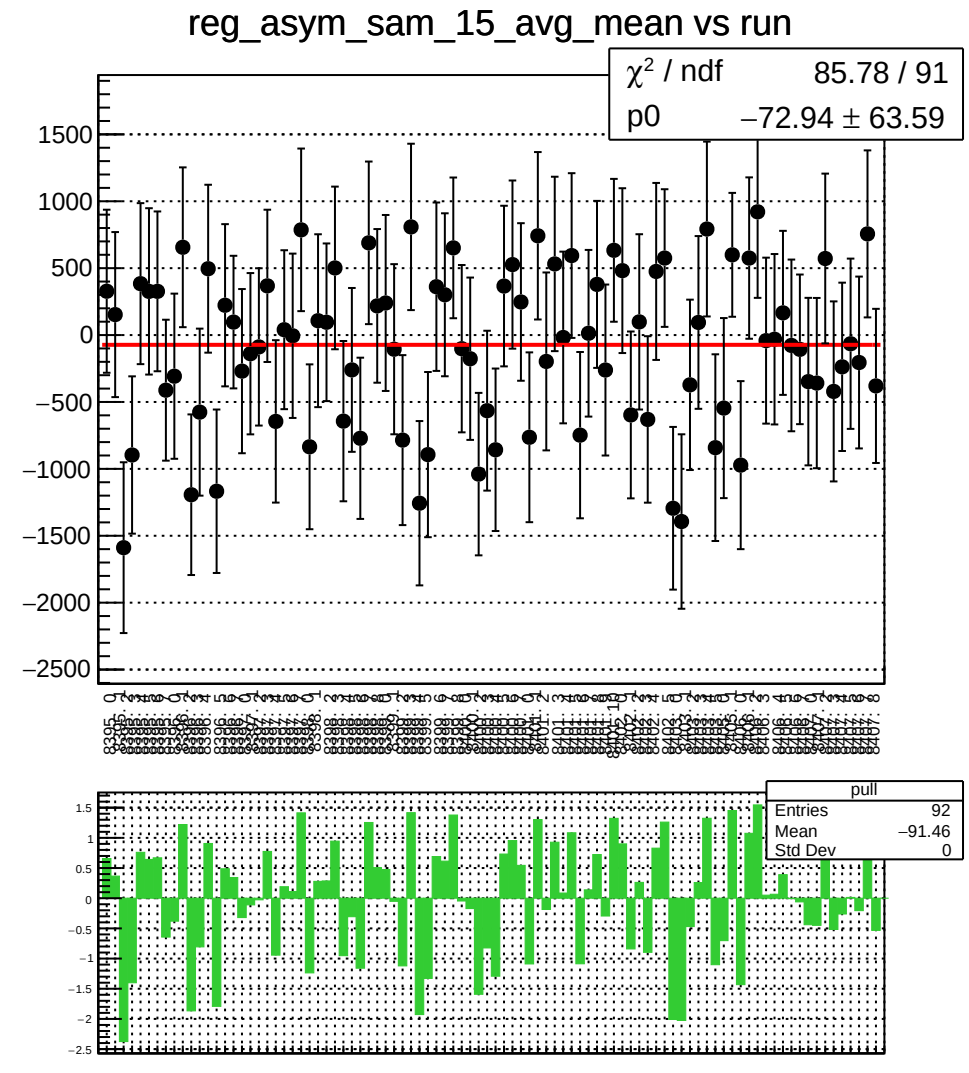

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.97 / 91
p0 −0.04361 ± 0.03303
pull
Entries 92
Mean −430.7
Std Dev 0

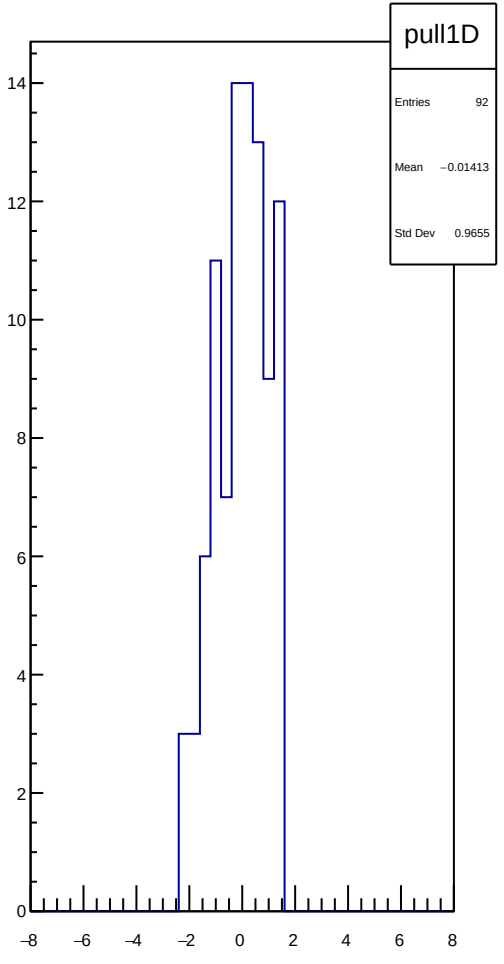

pull1D
Entries 92
Mean −0.004026
Std Dev 0.9889

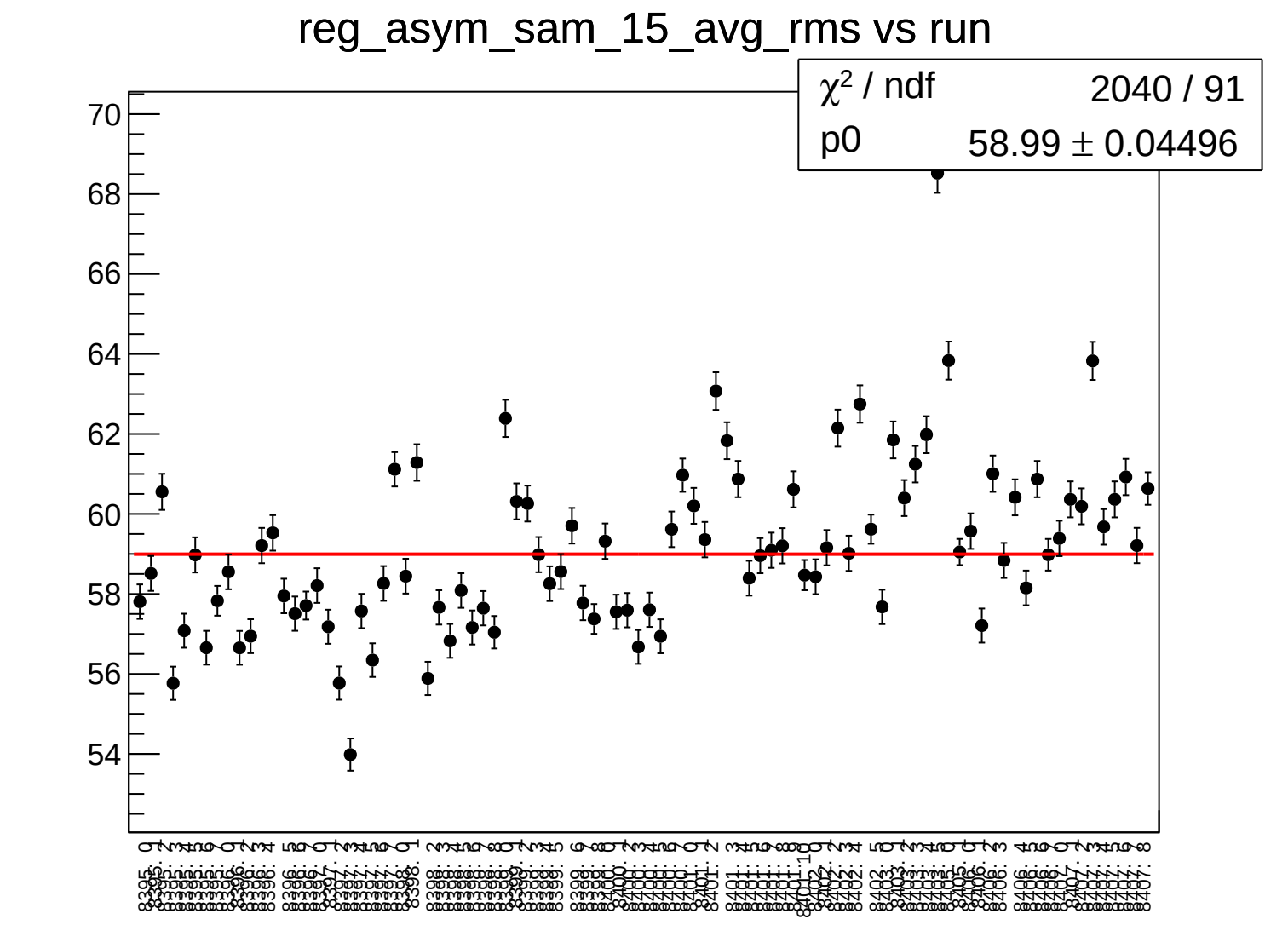

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9364 / 91
p0 30.57 ± 0.02335
50
45
40
35
30
25

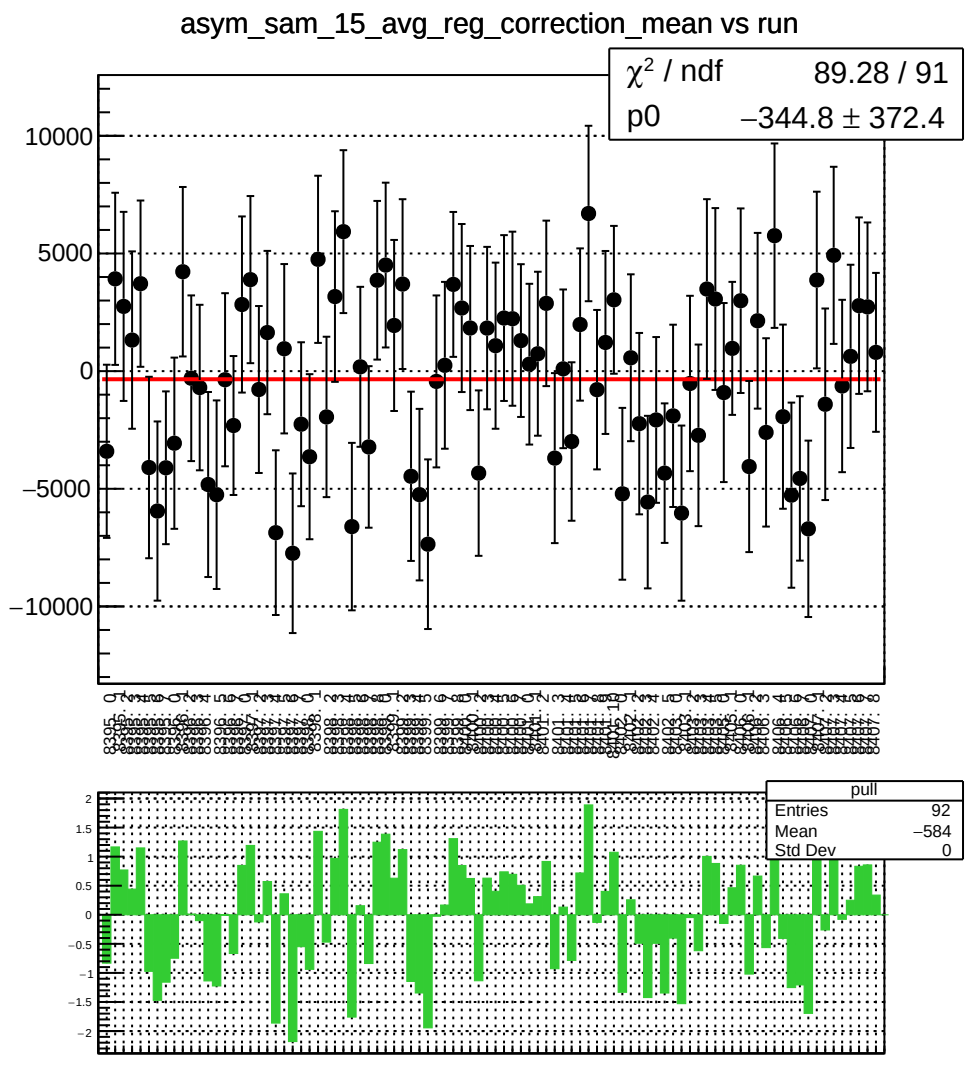

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.99 / 91
p0 1.276e−15 ± 2.471e−14
pull
Entries 92
Mean 9.847
Std Dev 0
pull1D
Entries 92
Mean 0.0353
Std Dev 0.89

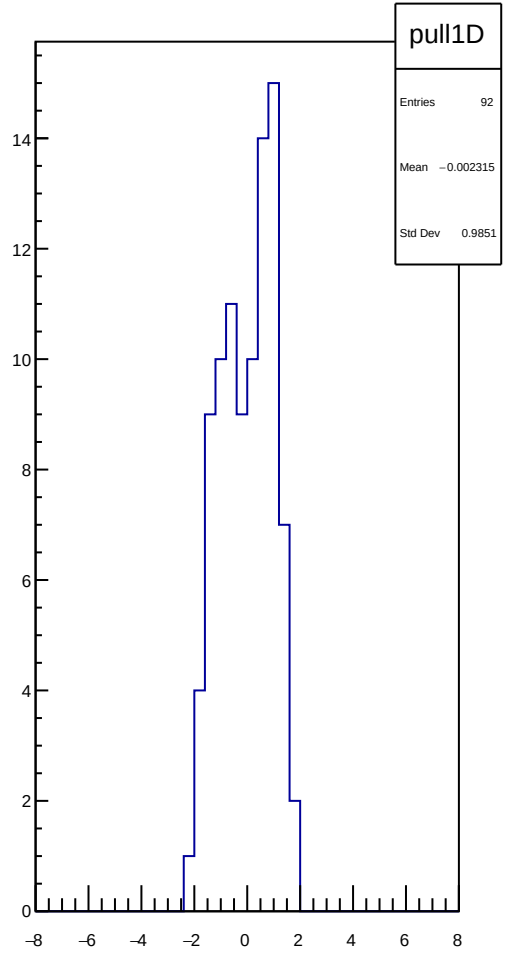

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.701e+05 / 91
p0 1.706e−11 ± 1.747e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

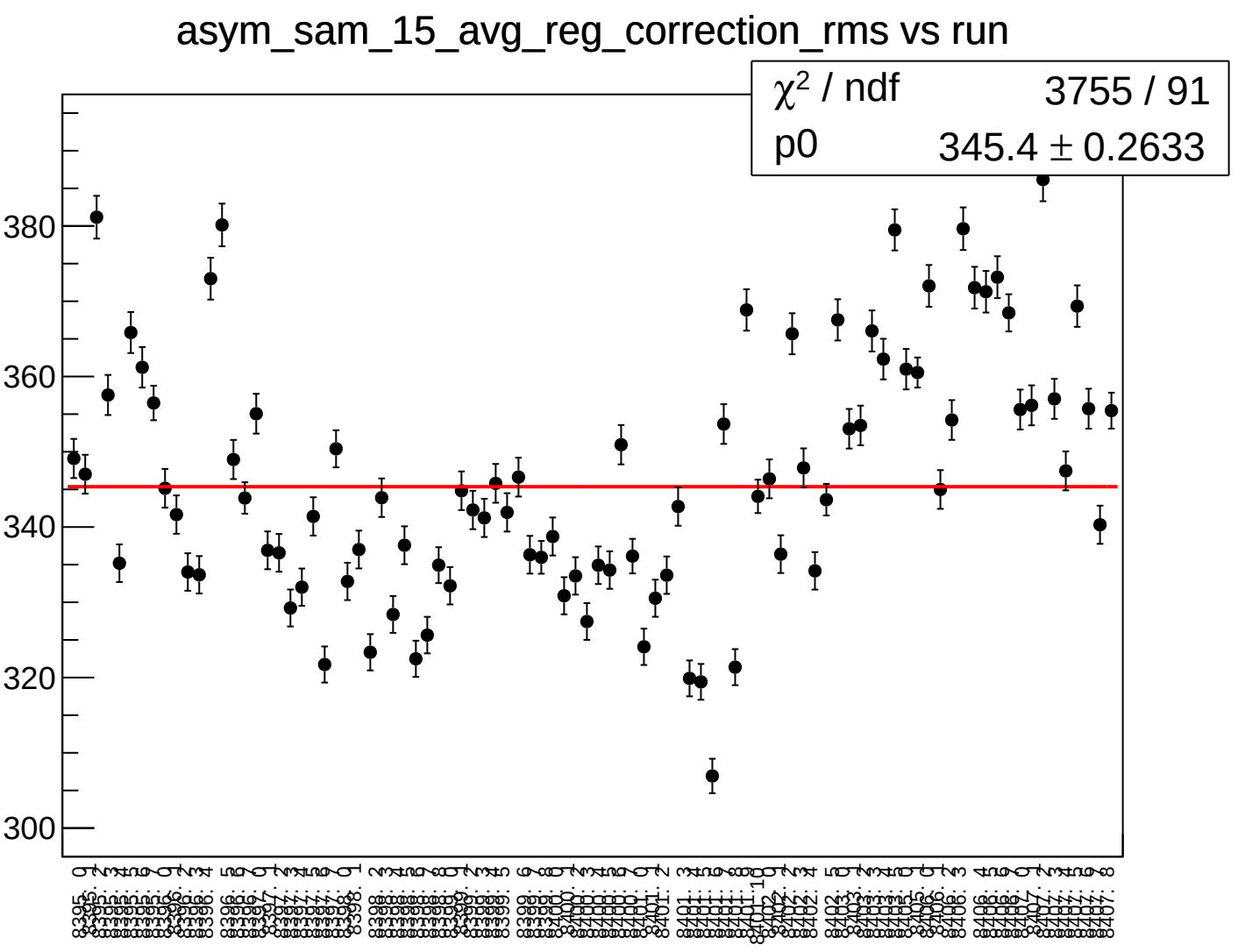

reg_asym_sam_15_avg_mean vs run
χ² / ndf 85.78 / 91
p0 −72.94 ± 63.59
pull
Entries 92
Mean −91.46
Std Dev 0

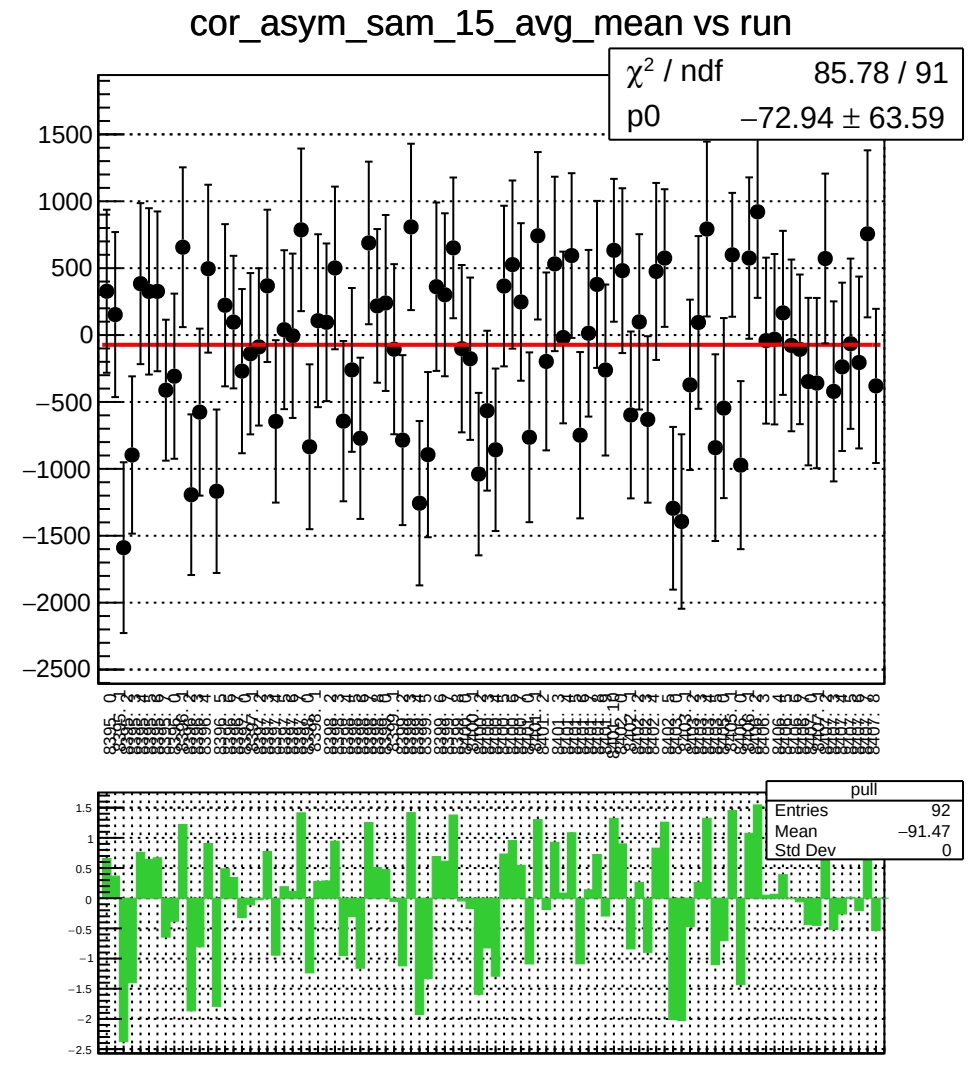

pull1D
Entries 92
Mean −0.01413
Std Dev 0.9655

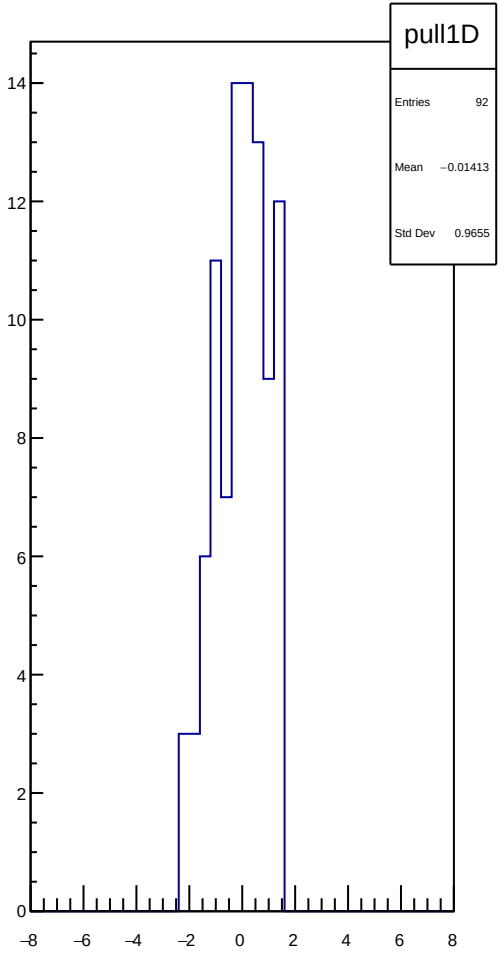

reg_asym_sam_15_avg_rms vs run
χ² / ndf 2040 / 91
p0 58.99 ± 0.04496
70
68
66
64
62
60
58
56
54

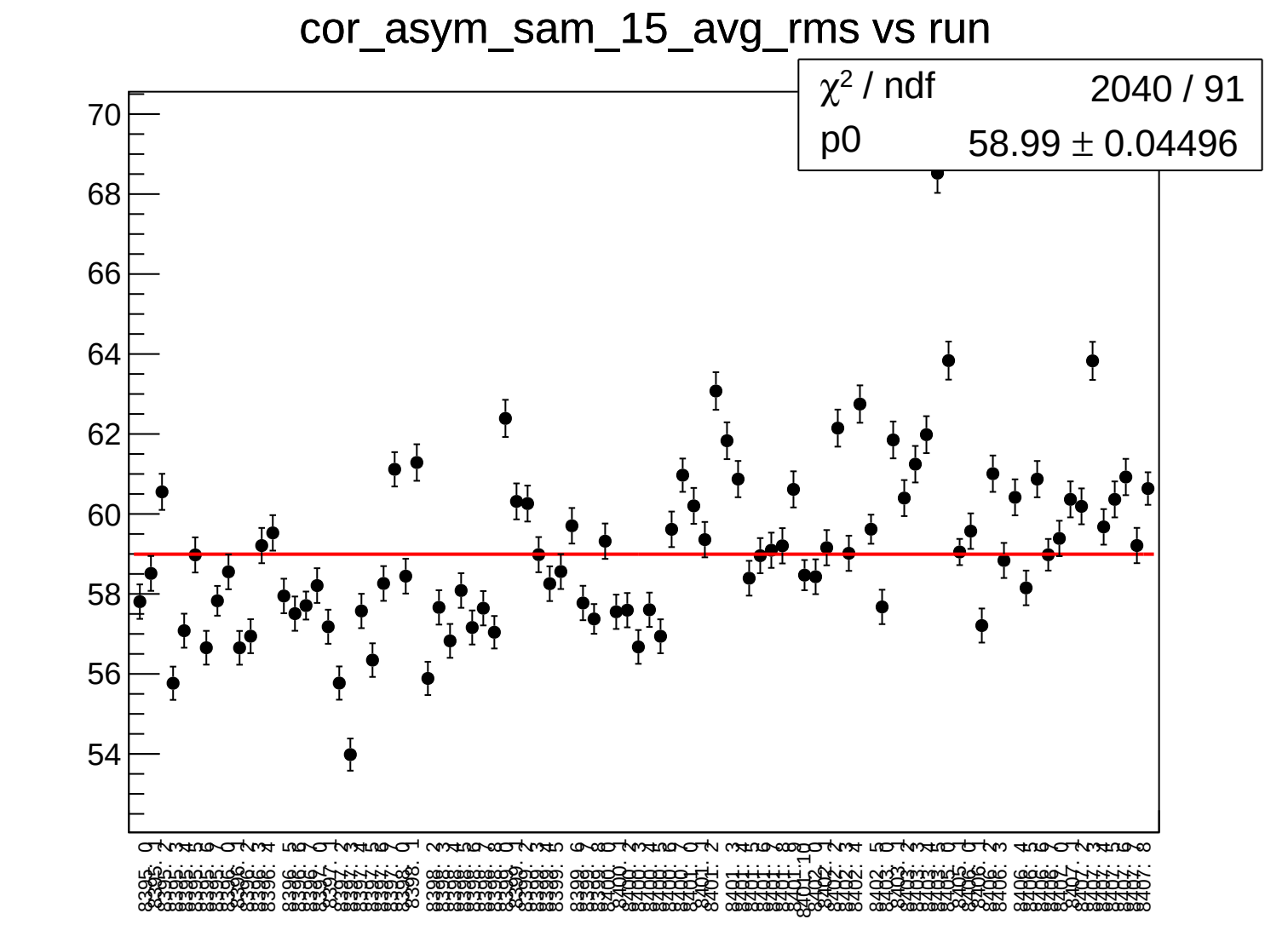

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 89.28 / 91
p0 −344.8 ± 372.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −584
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

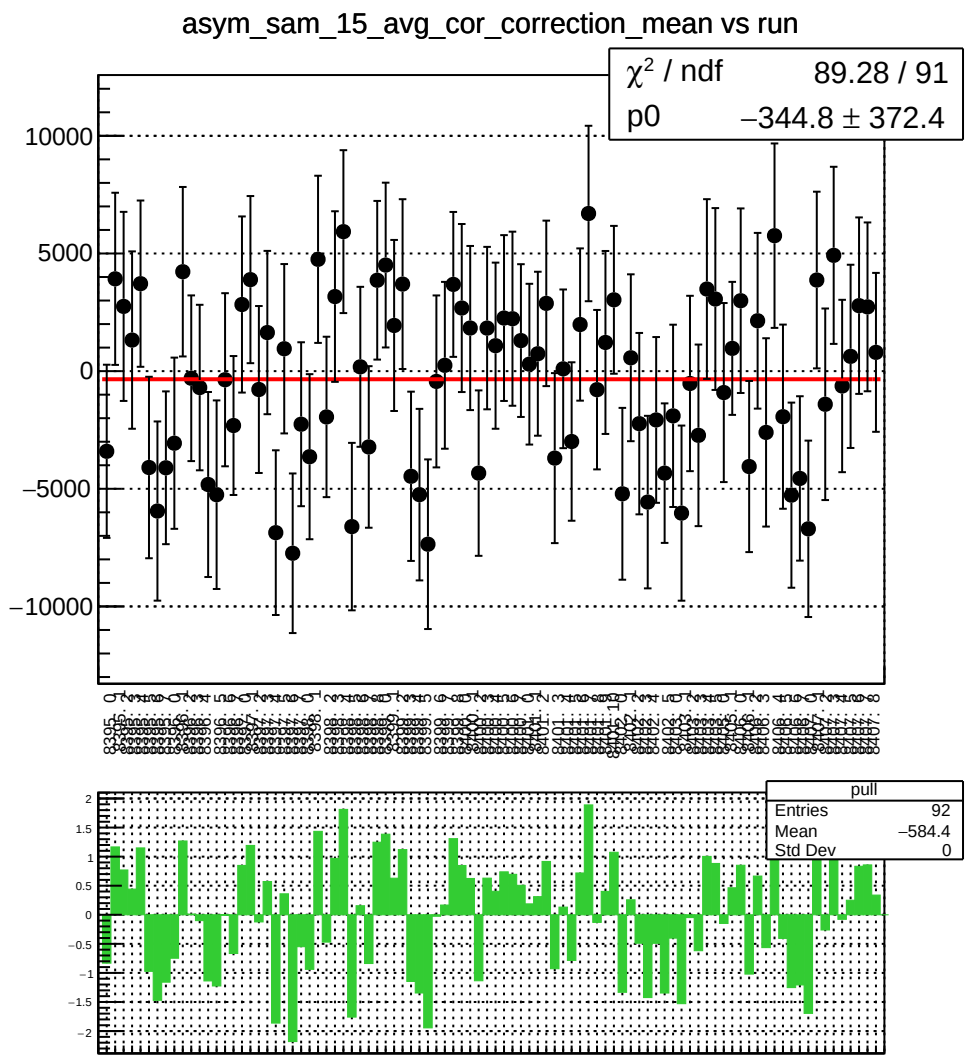

pull1D
Entries 92
Mean −0.002315
Std Dev 0.9851
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

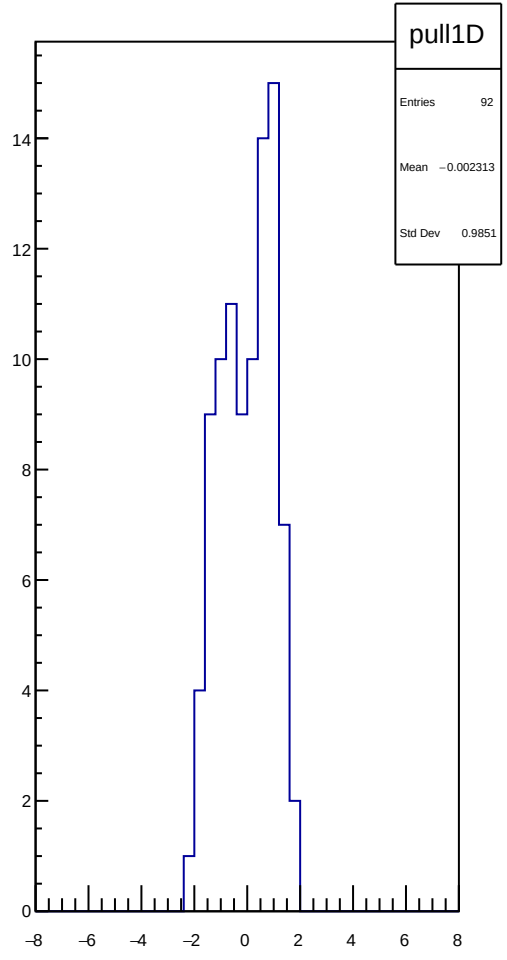

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 3755 / 91
p0 345.4 ± 0.2633
380
360
340
320
300

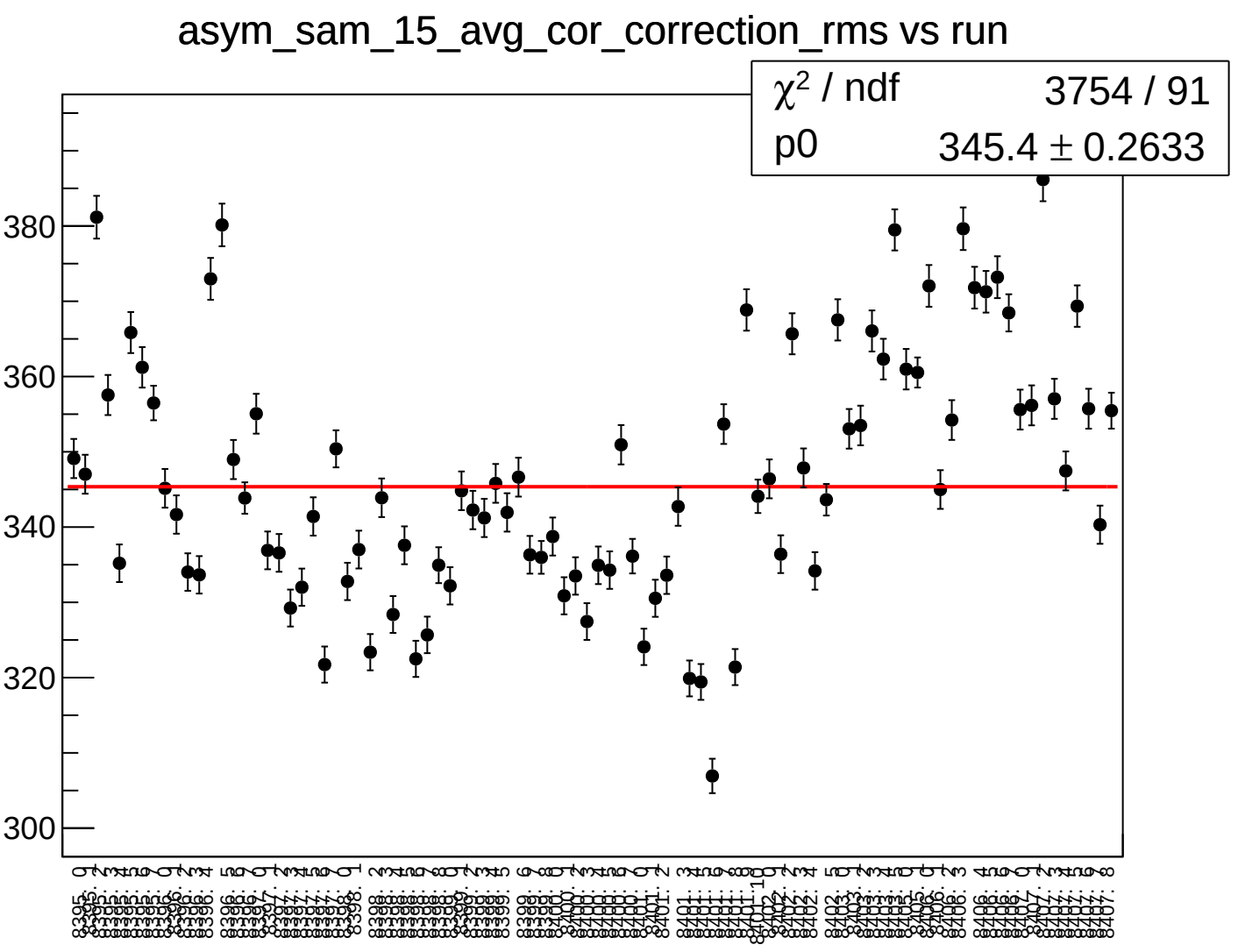

cor_asym_sam_15_avg_mean vs run
χ² / ndf 85.78 / 91
p0 −72.94 ± 63.59
pull
Entries 92
Mean −91.47
Std Dev 0

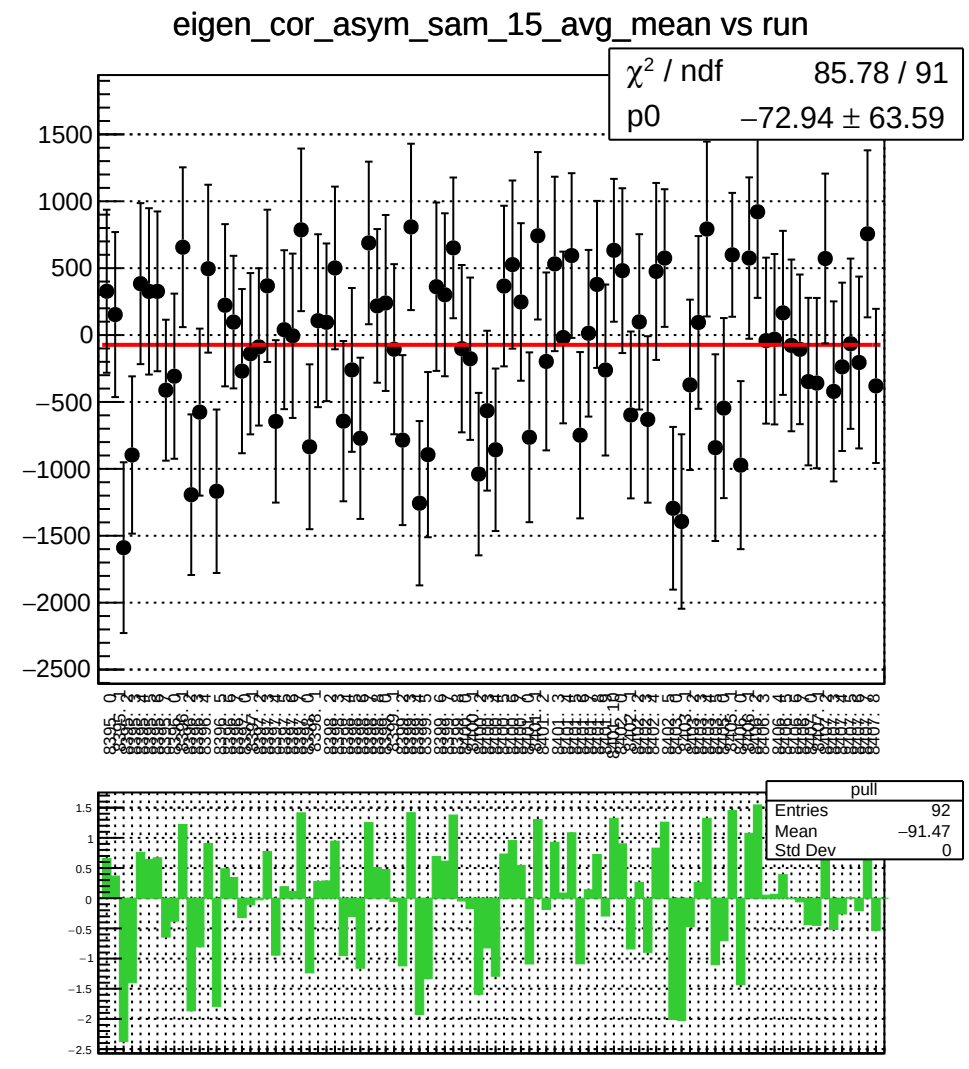

pull1D
Entries 92
Mean −0.01413
Std Dev 0.9655

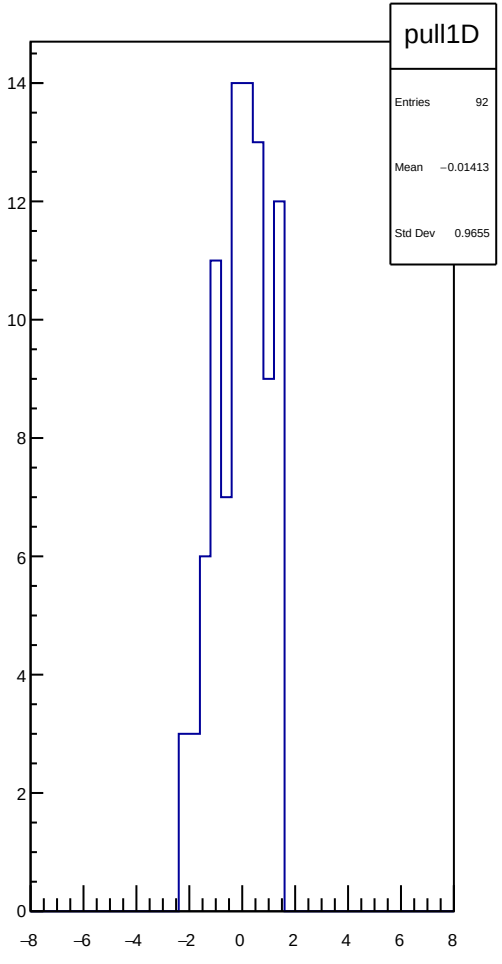

cor_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 2040 / 91
p0 58.99 ± 0.04496
70
68
66
64
62
60
58
56
54

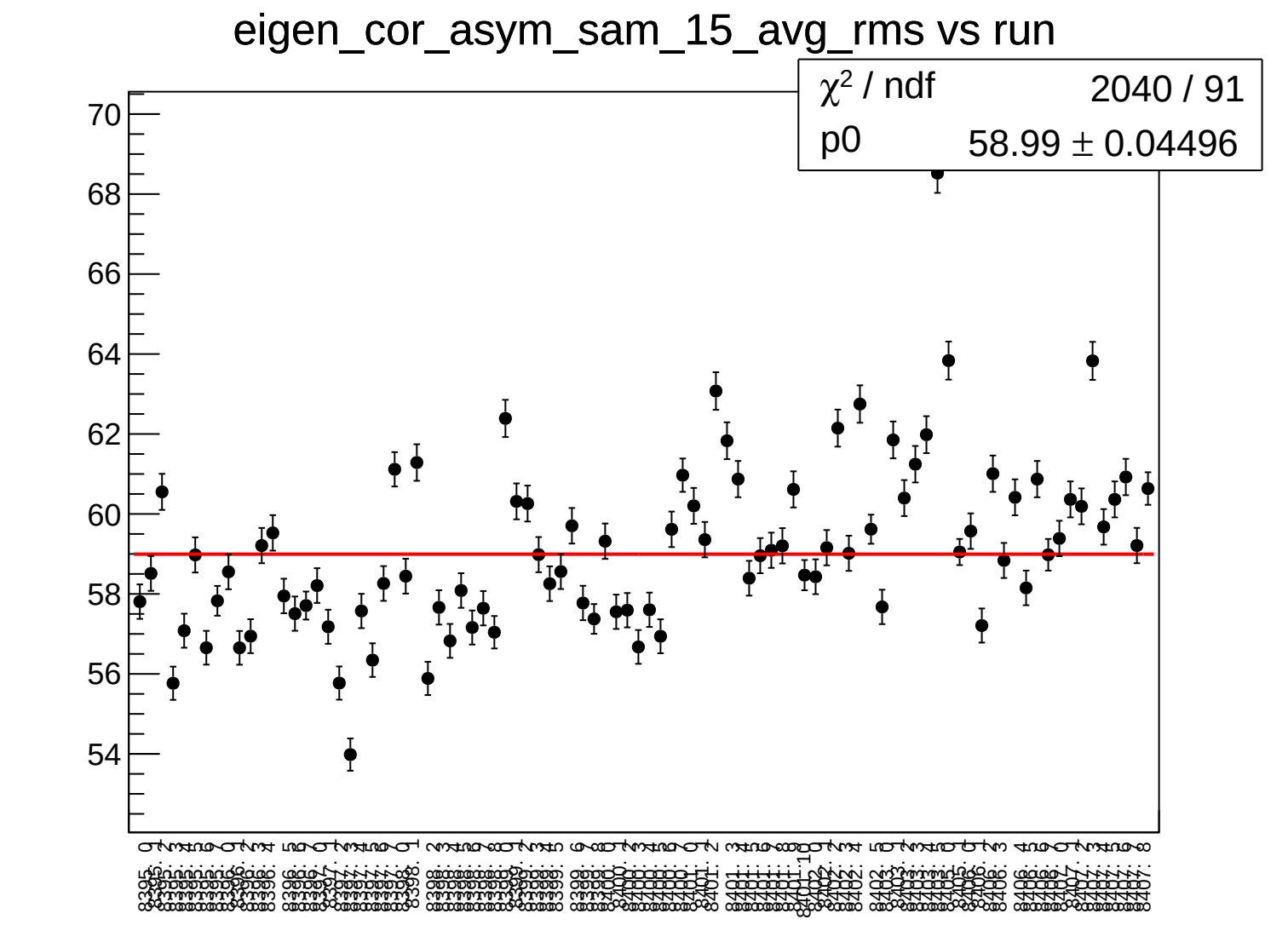

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 89.28 / 91
p0 −344.8 ± 372.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −584.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

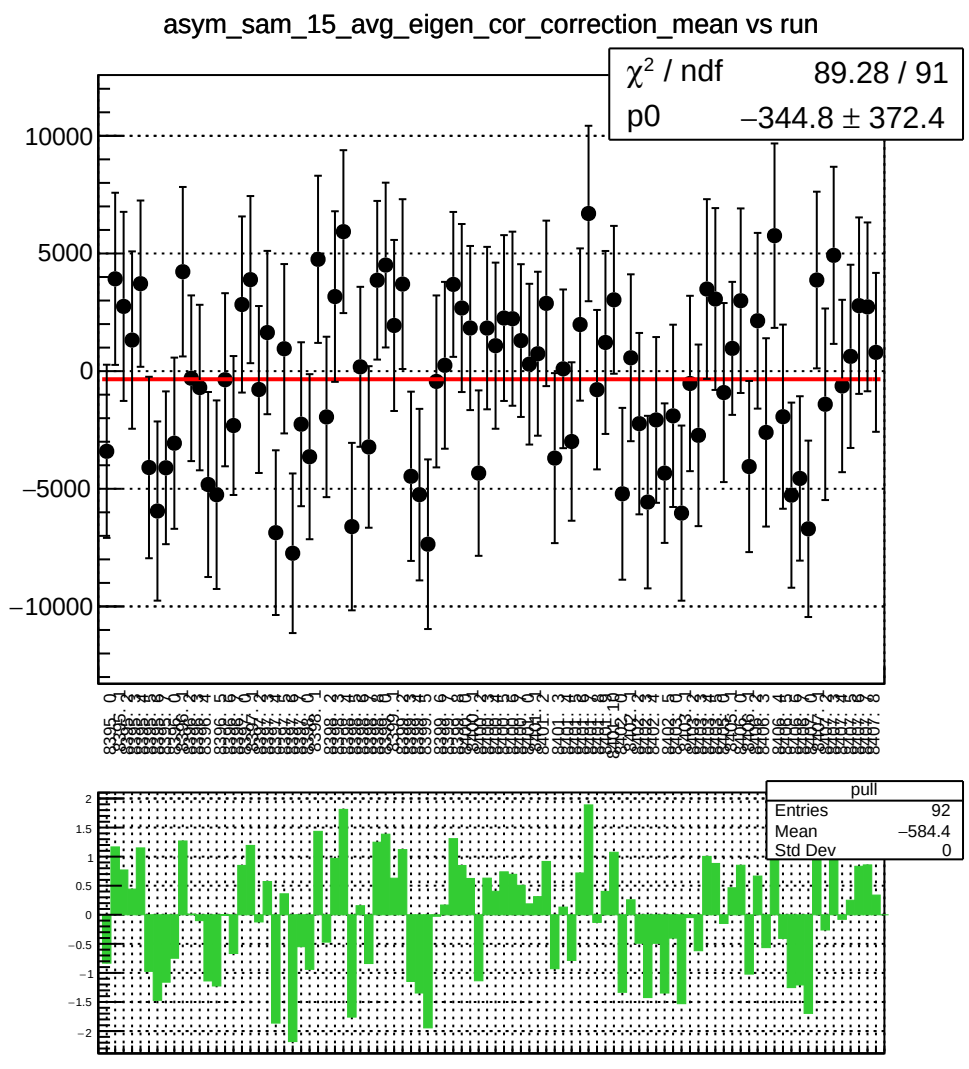

pull1D
Entries 92
Mean −0.002313
Std Dev 0.9851
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

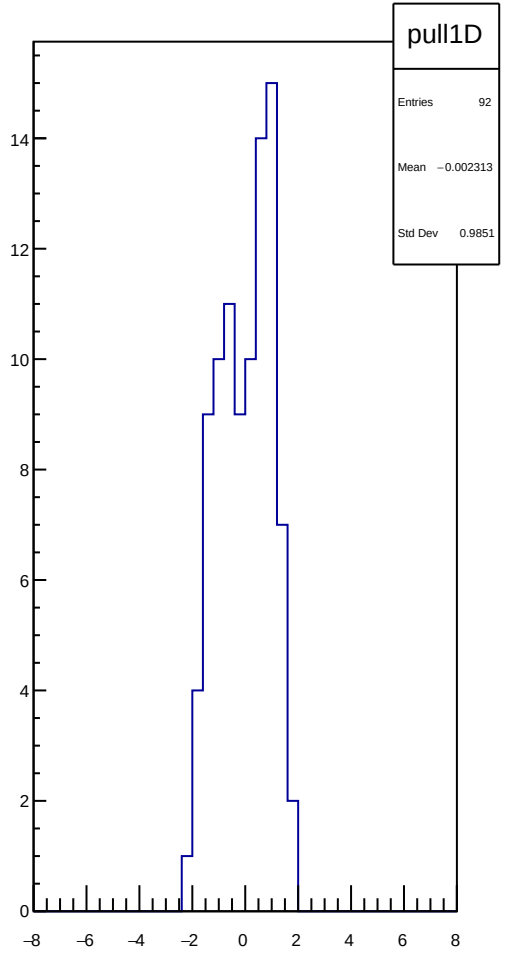

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 3754 / 91
p0 345.4 ± 0.2633
380
360
340
320
300

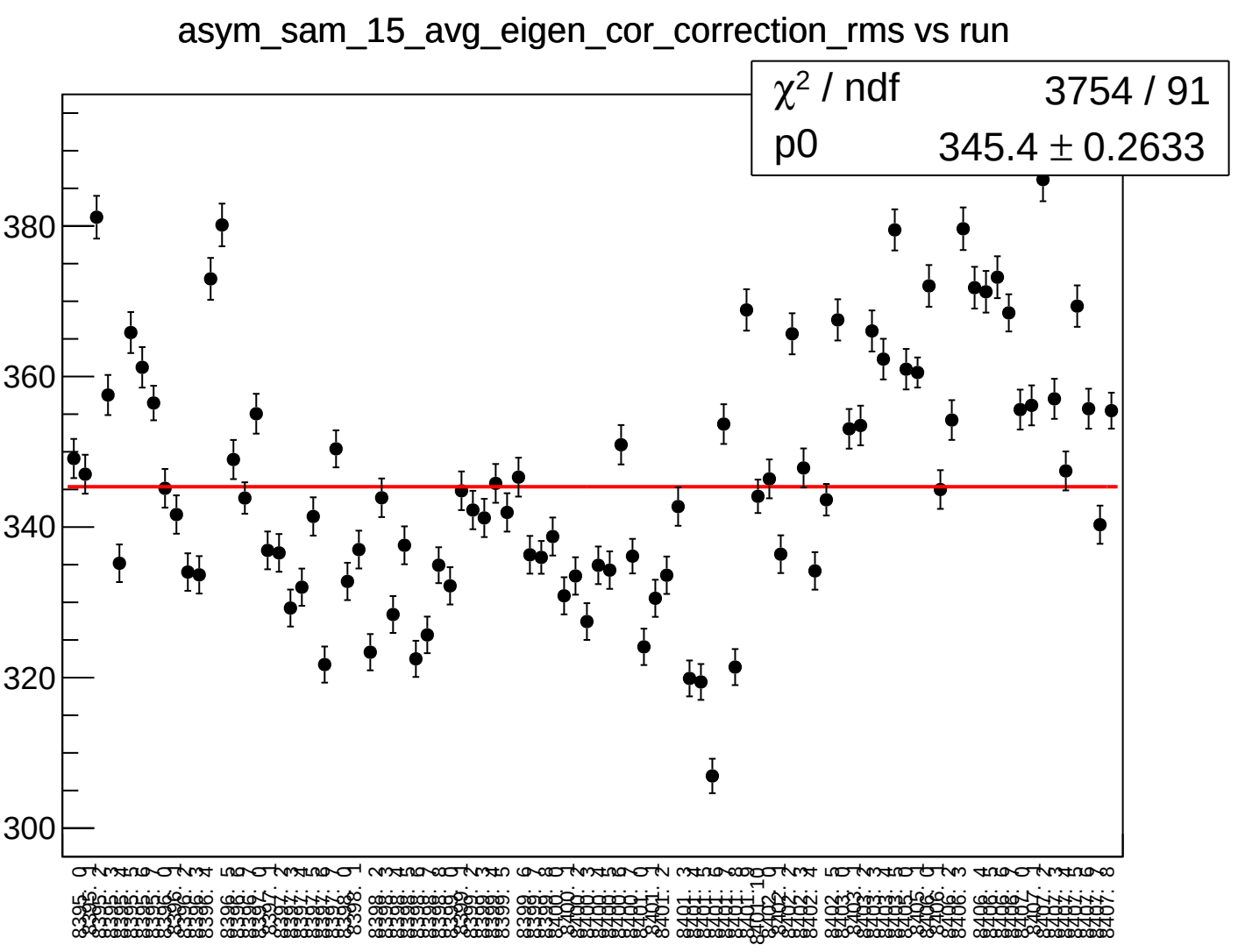

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 85.78 / 91
p0 −72.94 ± 63.59
pull
Entries 92
Mean −91.47
Std Dev 0

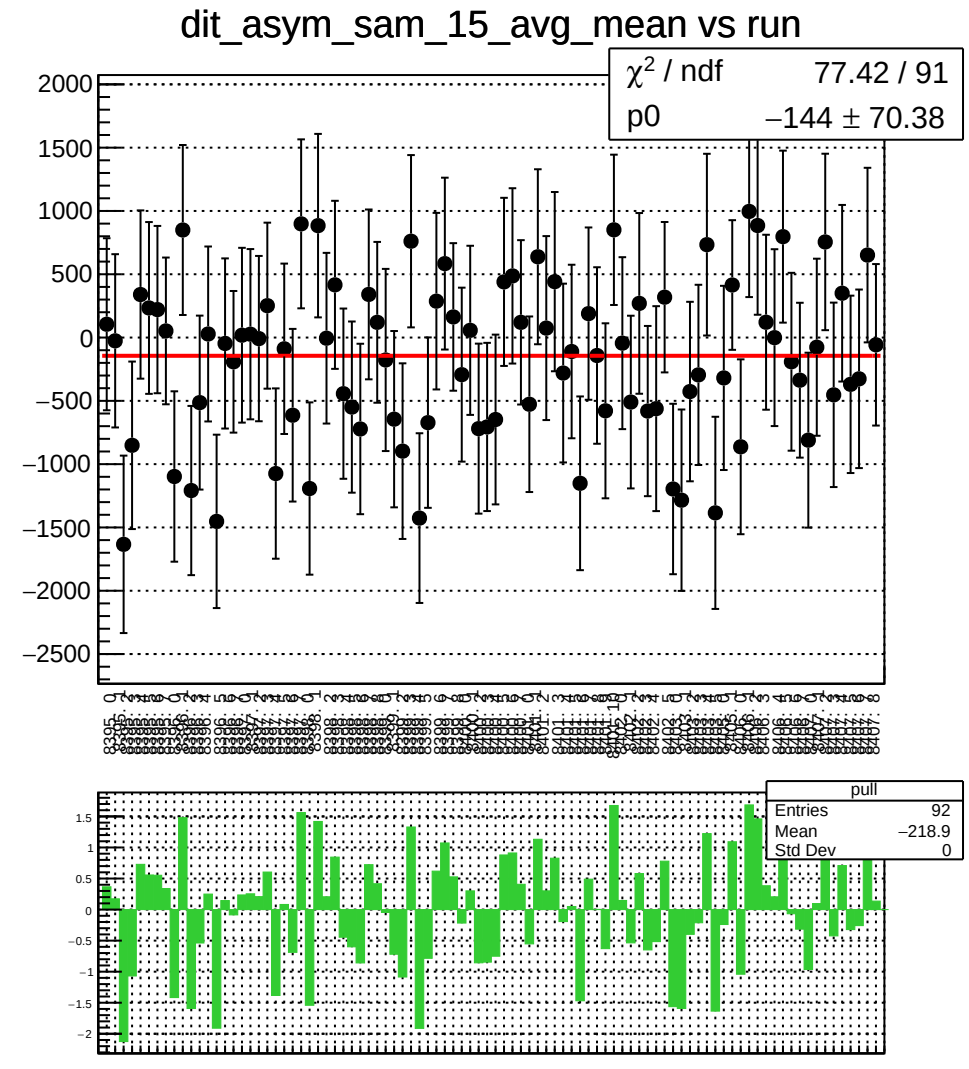

pull1D
Entries 92
Mean −0.01413
Std Dev 0.9655

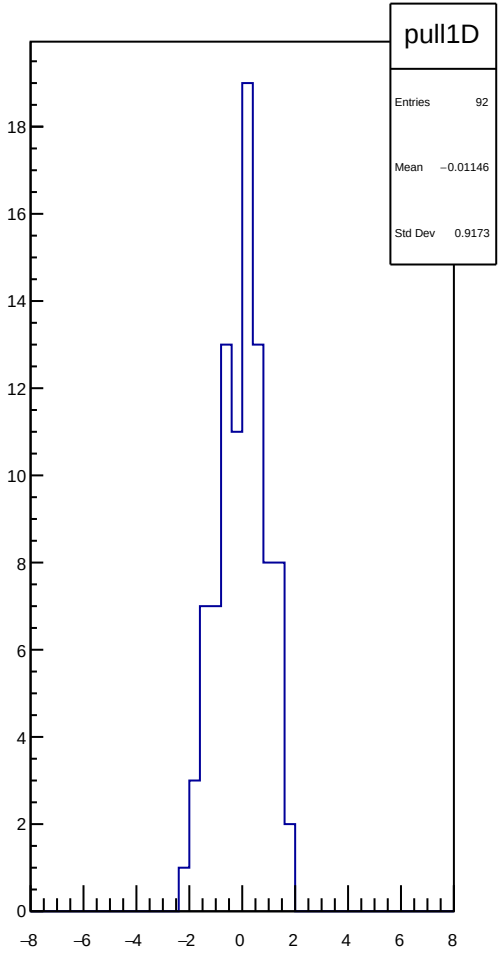

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 2040 / 91
p0 58.99 ± 0.04496
70
68
66
64
62
60
58
56
54

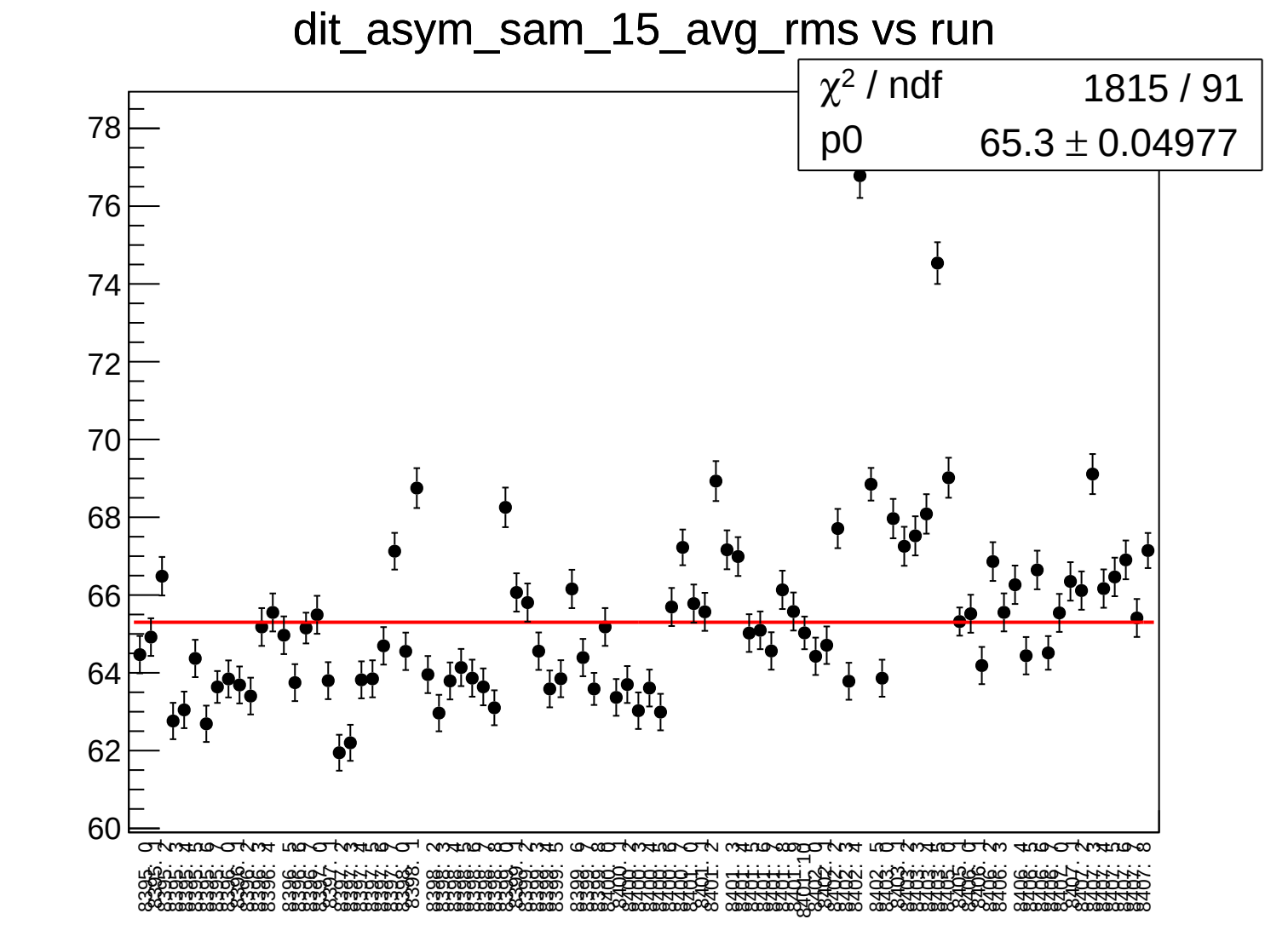

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 89.28 / 91
p0 −344.8 ± 372.4
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −584.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

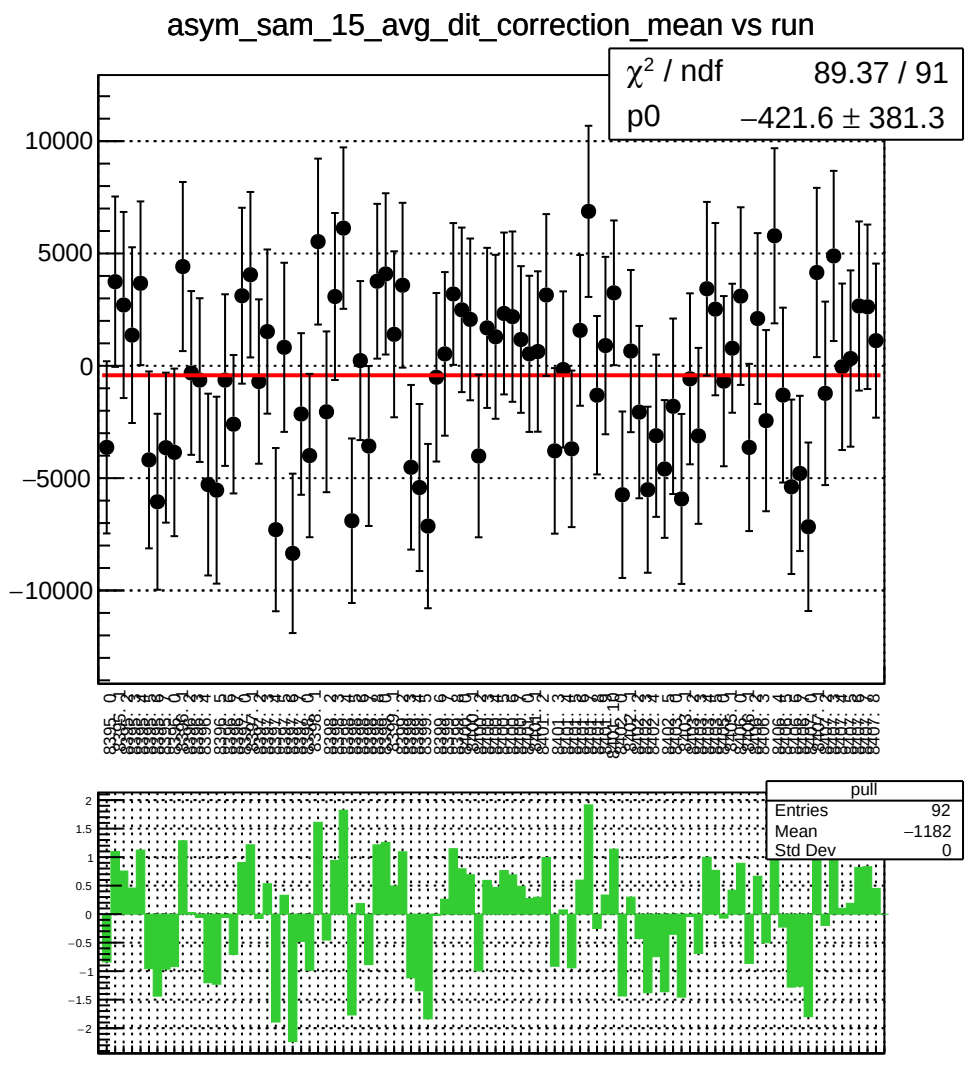

pull1D
Entries 92
Mean −0.002313
Std Dev 0.9851
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

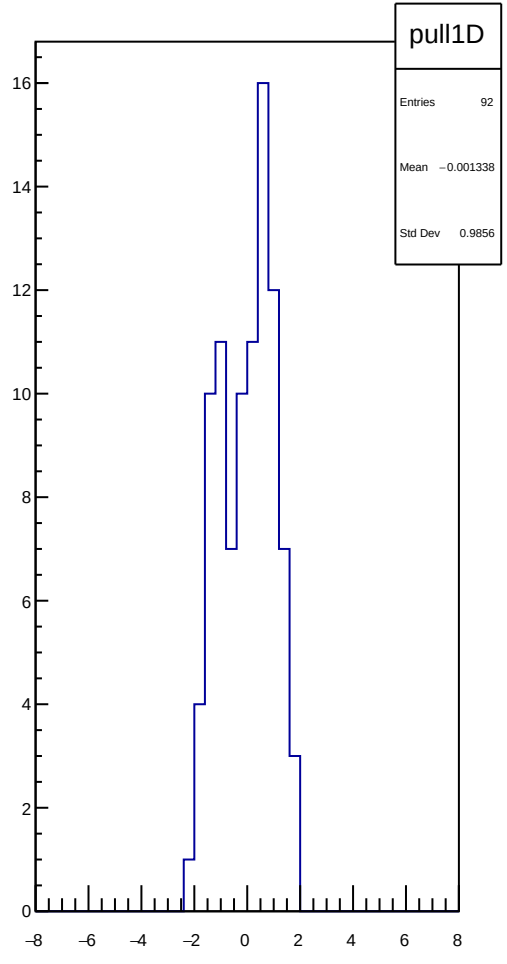

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 3754 / 91
p0 345.4 ± 0.2633
380
360
340
320
300

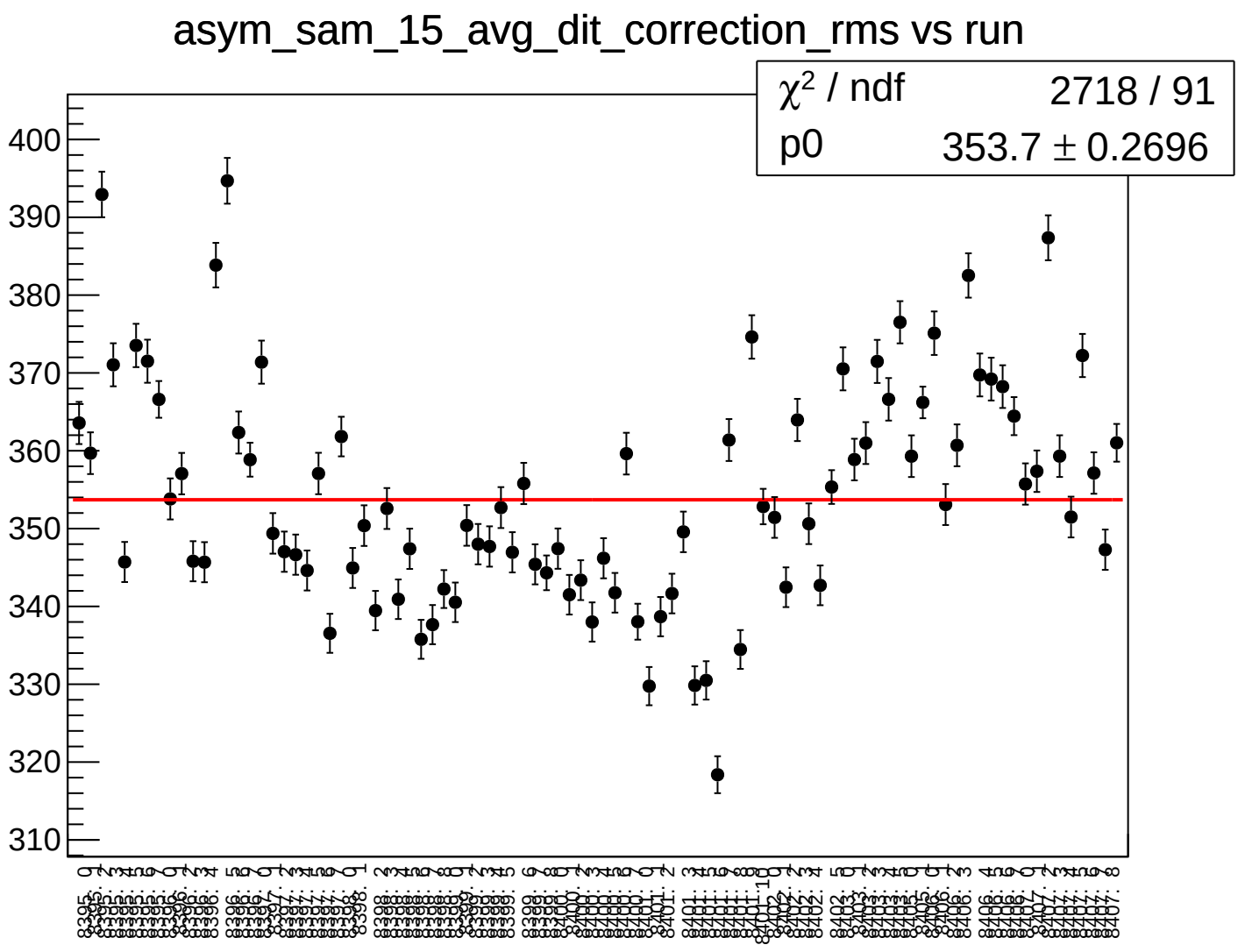

dit_asym_sam_15_avg_mean vs run
$\chi^2$ / ndf 77.42 / 91
p0 −144 ± 70.38
pull
Entries 92
Mean −218.9
Std Dev 0

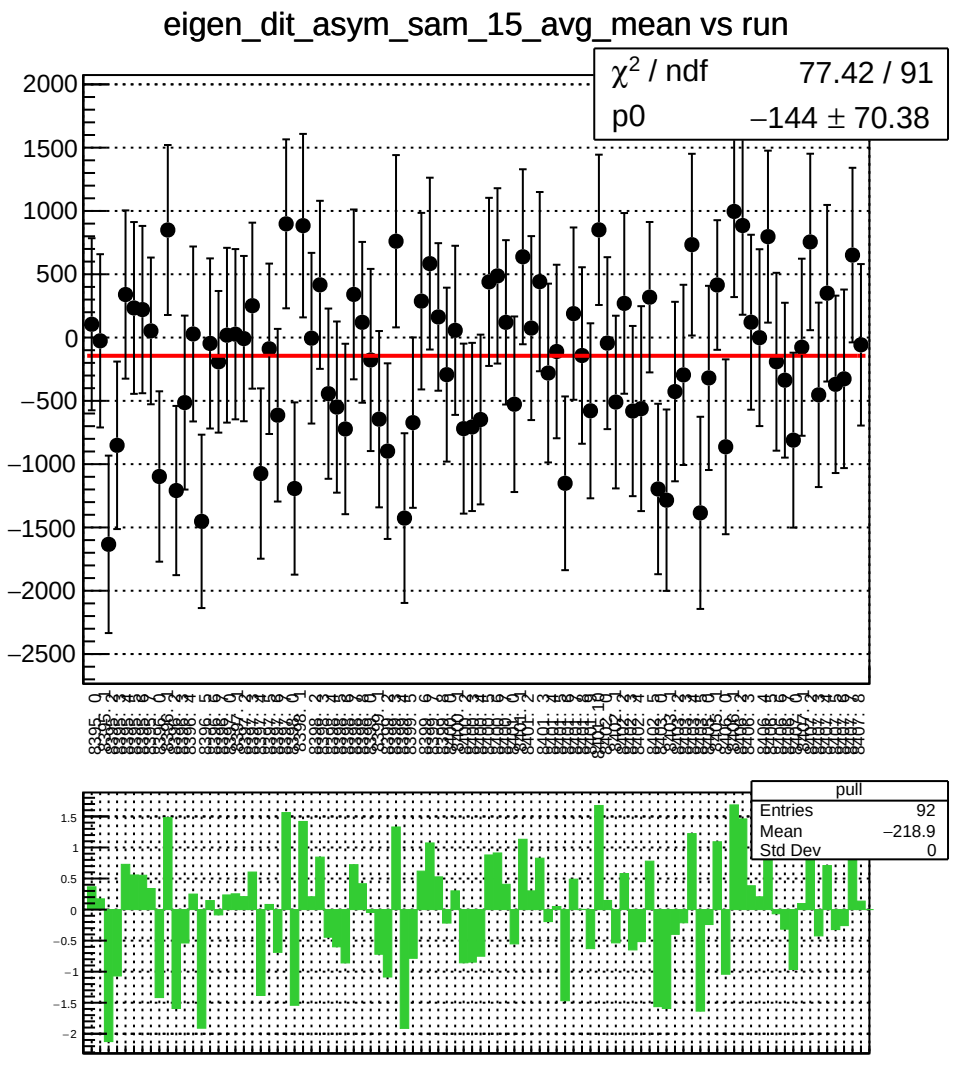

pull1D
Entries 92
Mean −0.01146
Std Dev 0.9173

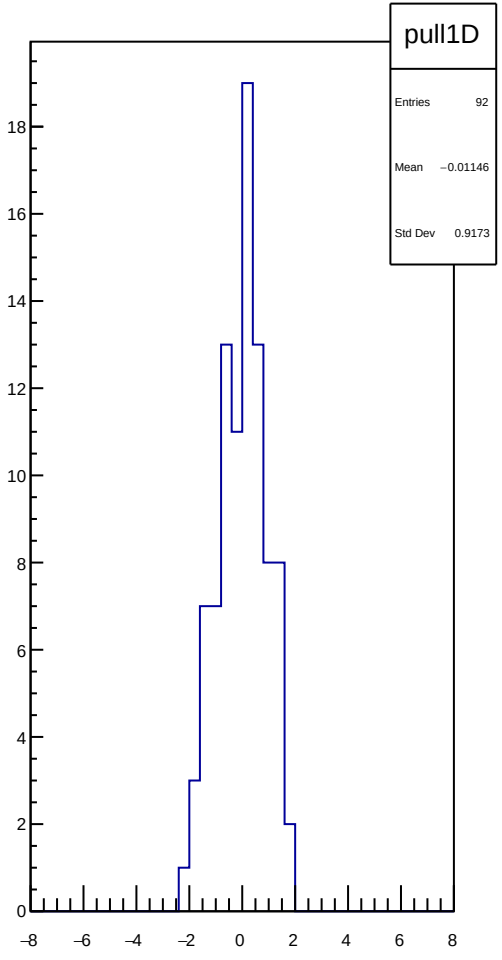

dit_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 1815 / 91
p0 65.3 ± 0.04977
78
76
74
72
70
68
66
64
62
60

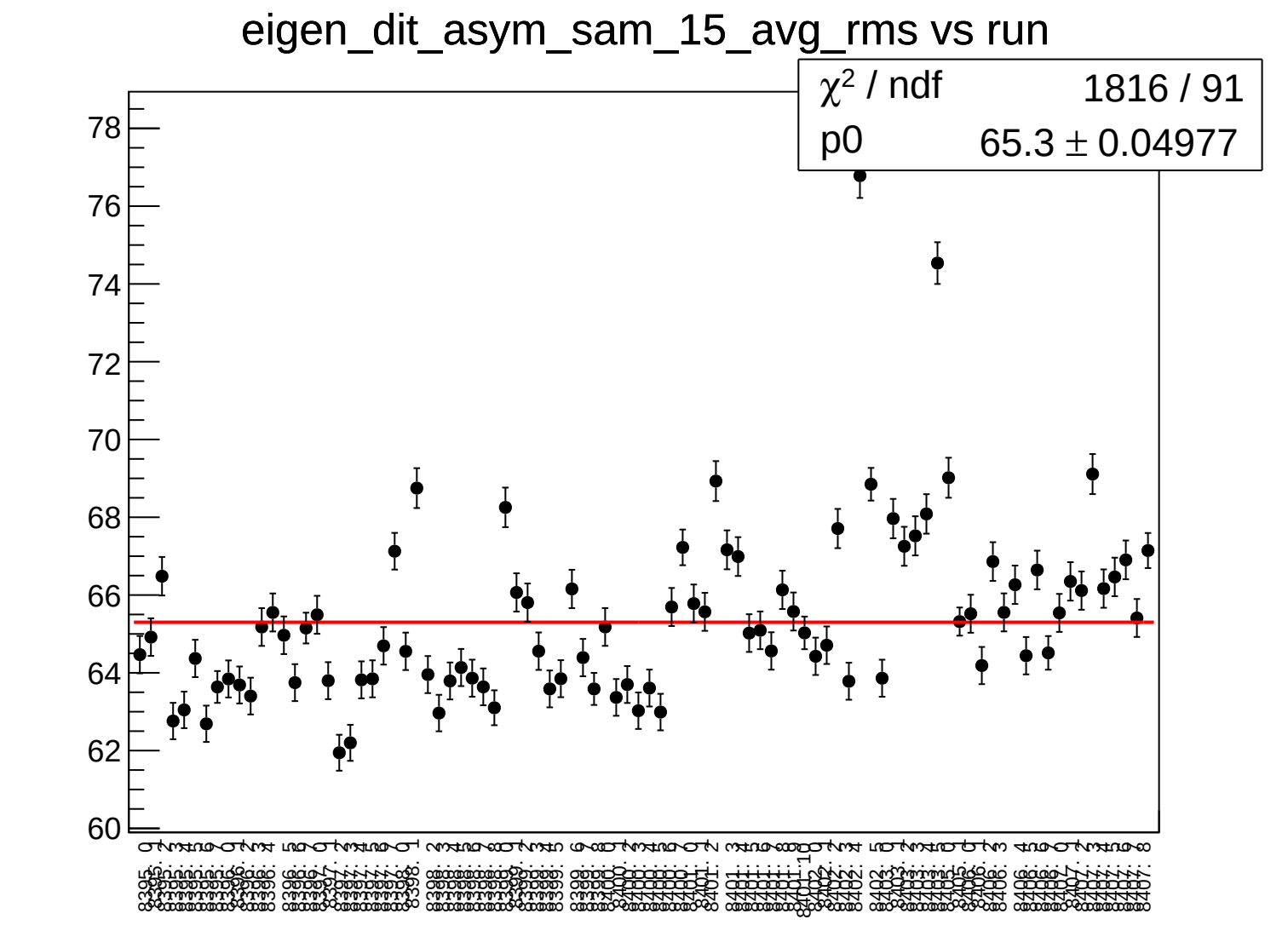

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 89.37 / 91
p0 −421.6 ± 381.3
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −1182
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

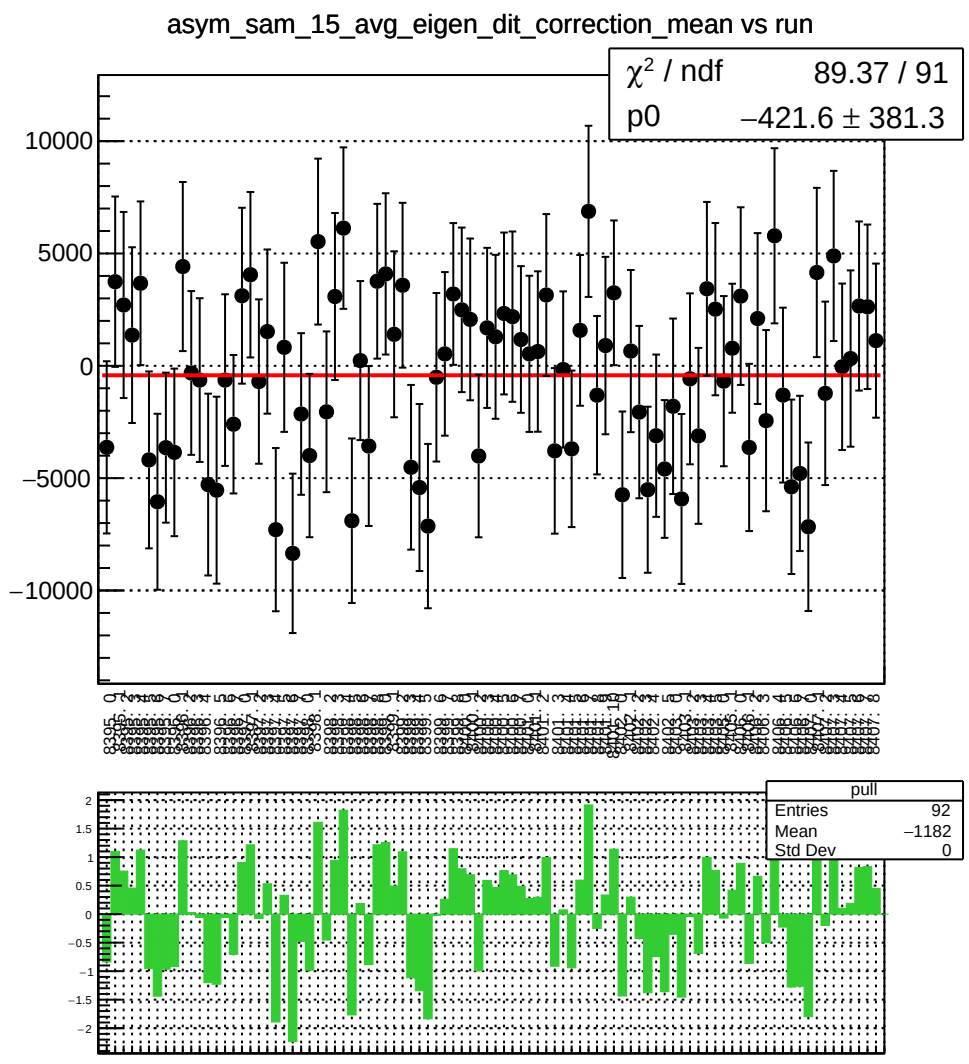

pull1D
Entries 92
Mean −0.001338
Std Dev 0.9856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

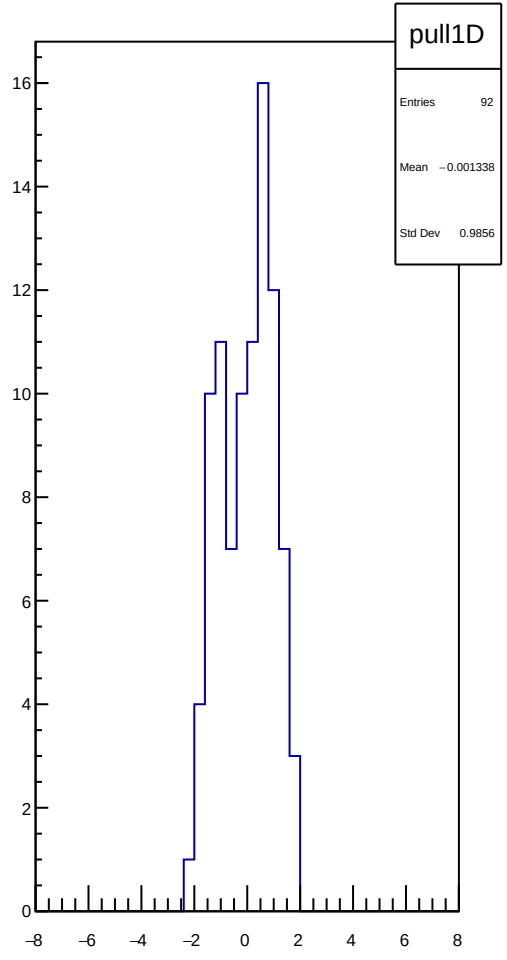

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 2718 / 91
p0 353.7 ± 0.2696
400
390
380
370
360
350
340
330
320
310

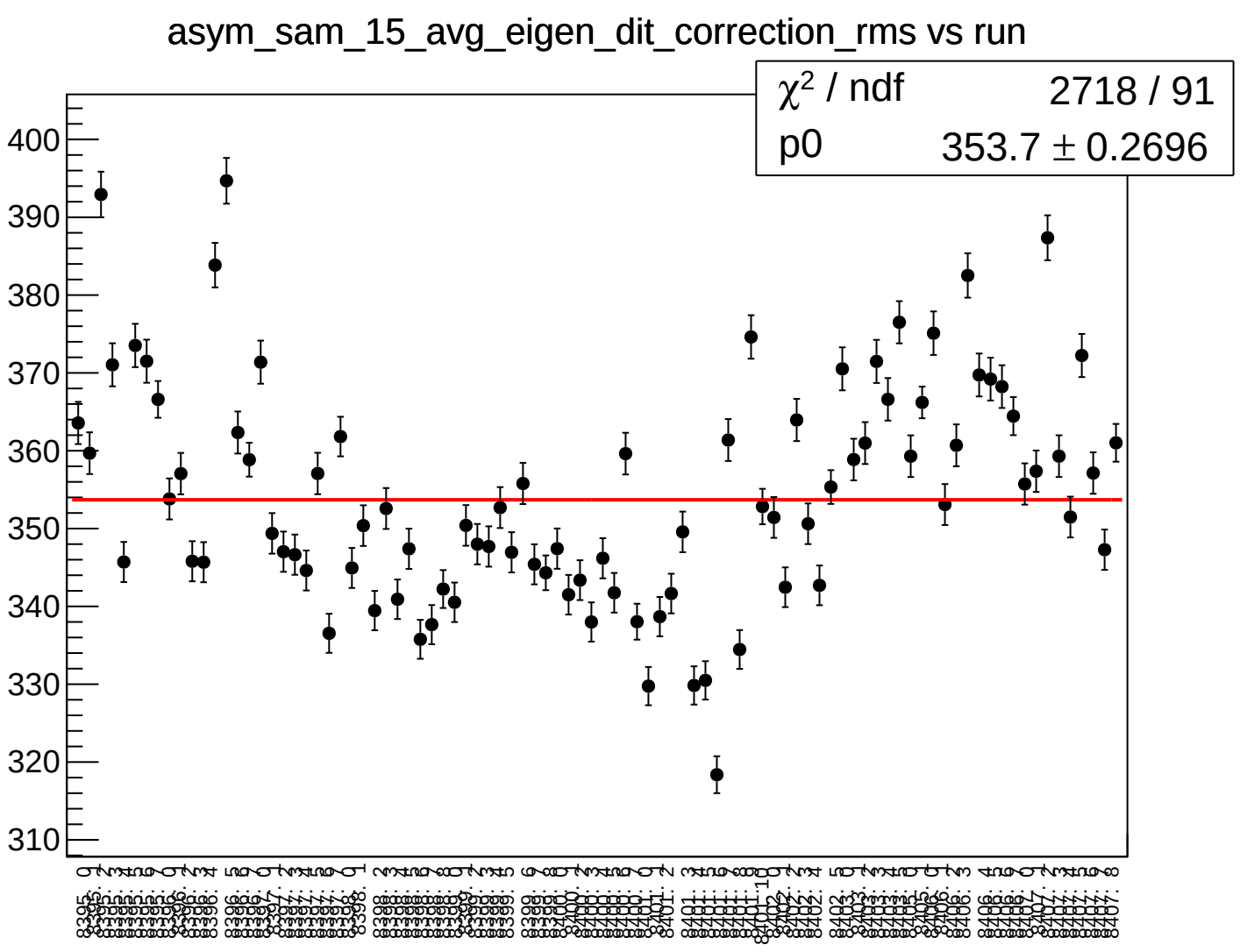

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 77.42 / 91
p0 −144 ± 70.38
pull
Entries 92
Mean −218.9
Std Dev 0

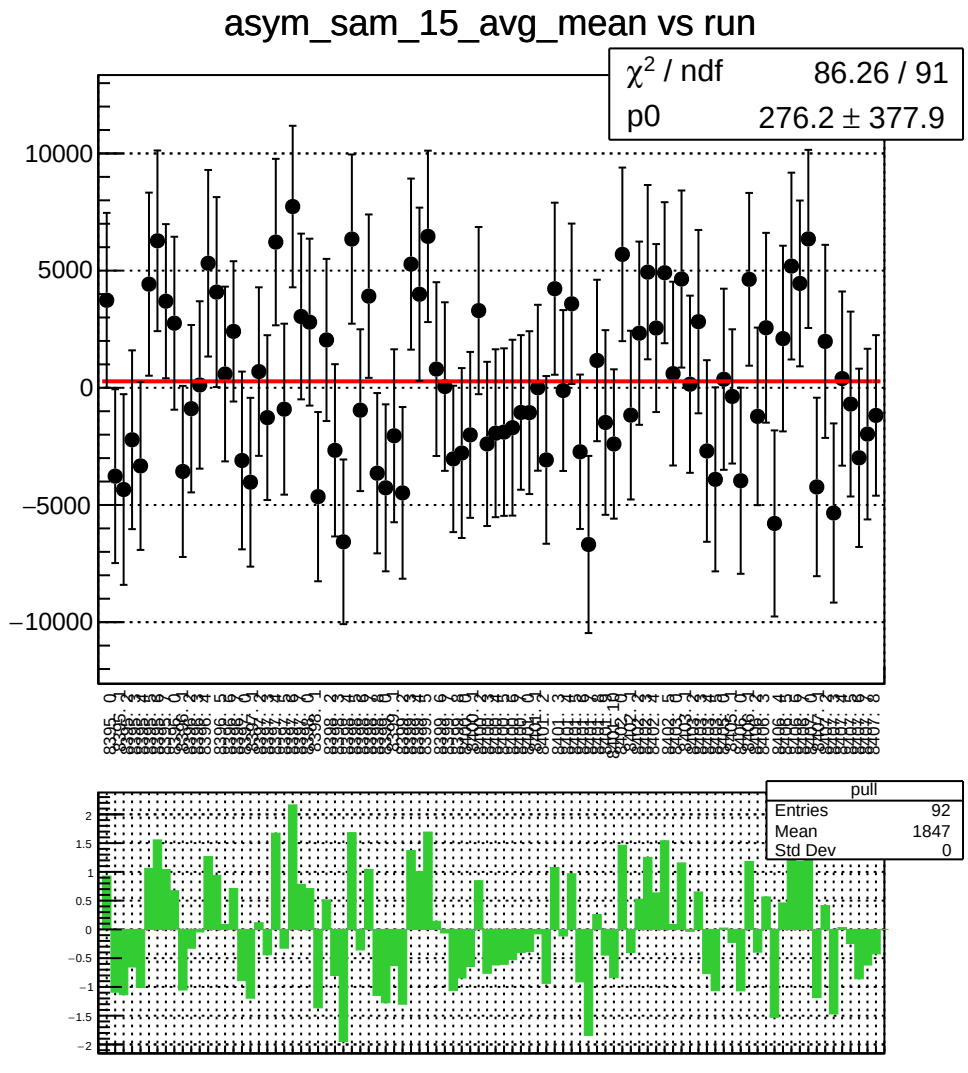

pull1D
Entries 92
Mean −0.01146
Std Dev 0.9173

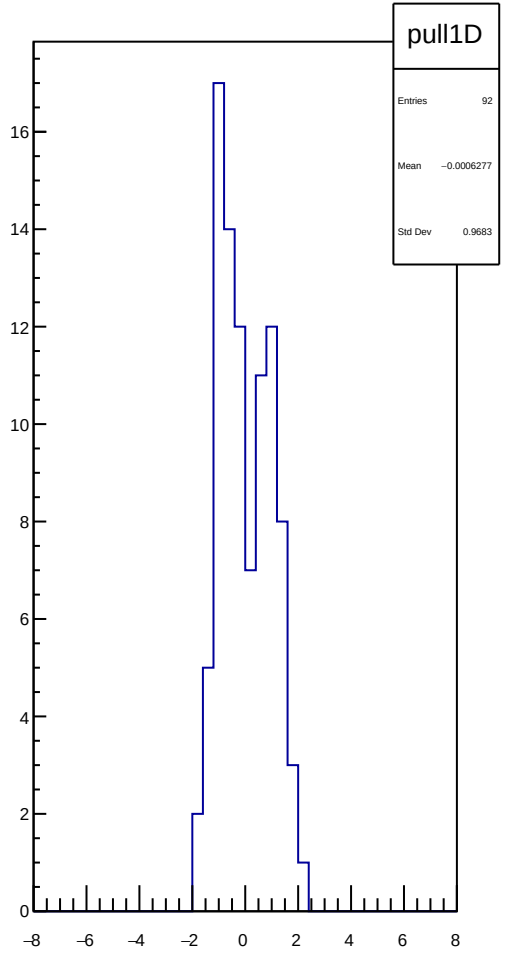

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 1816 / 91
p0 65.3 ± 0.04977
78
76
74
72
70
68
66
64
62
60

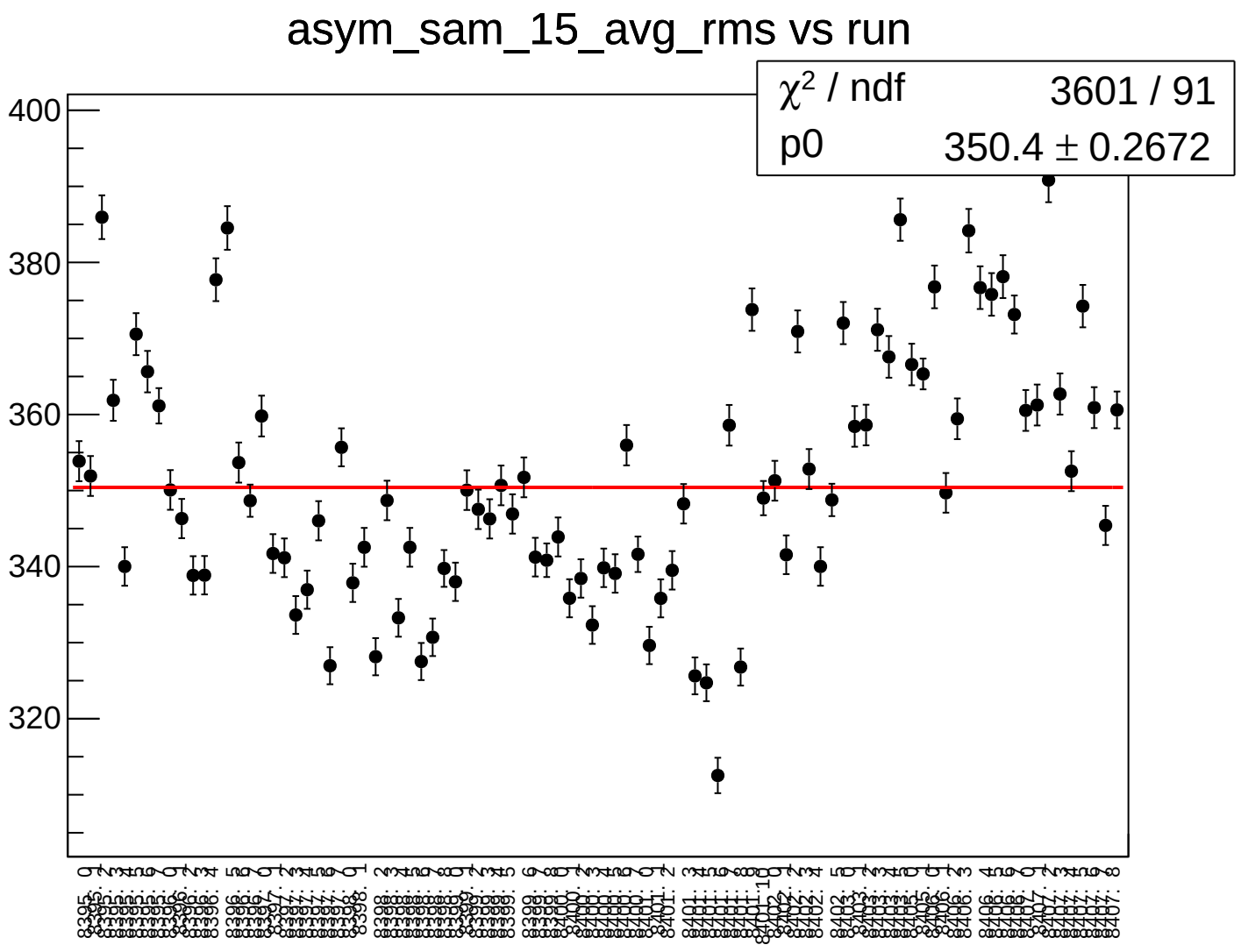

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 89.37 / 91
p0 −421.6 ± 381.3
10000
5000
0
−5000
−10000
pull
Entries 92
Mean −1182
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

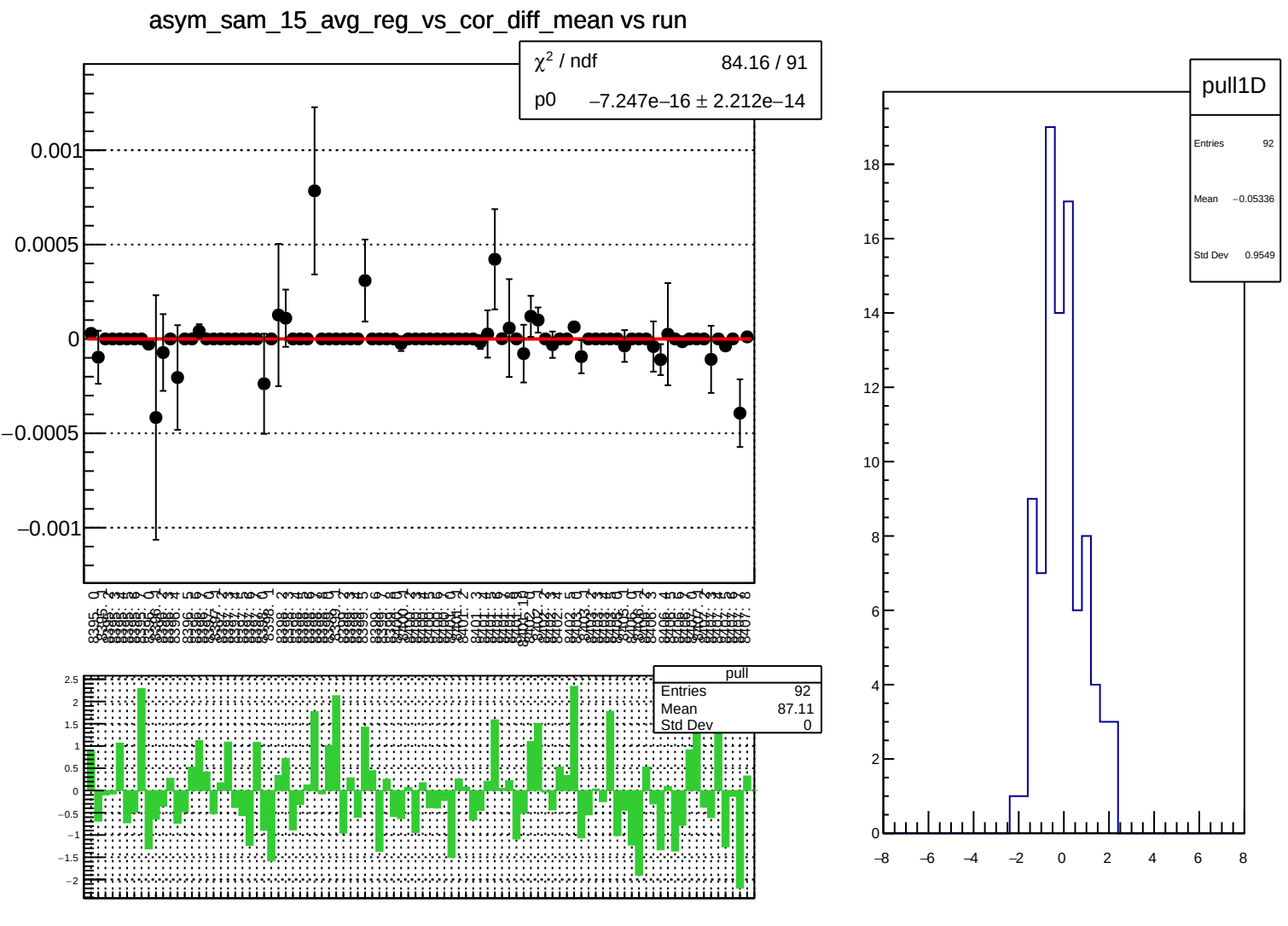

pull1D
Entries 92
Mean −0.001338
Std Dev 0.9856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

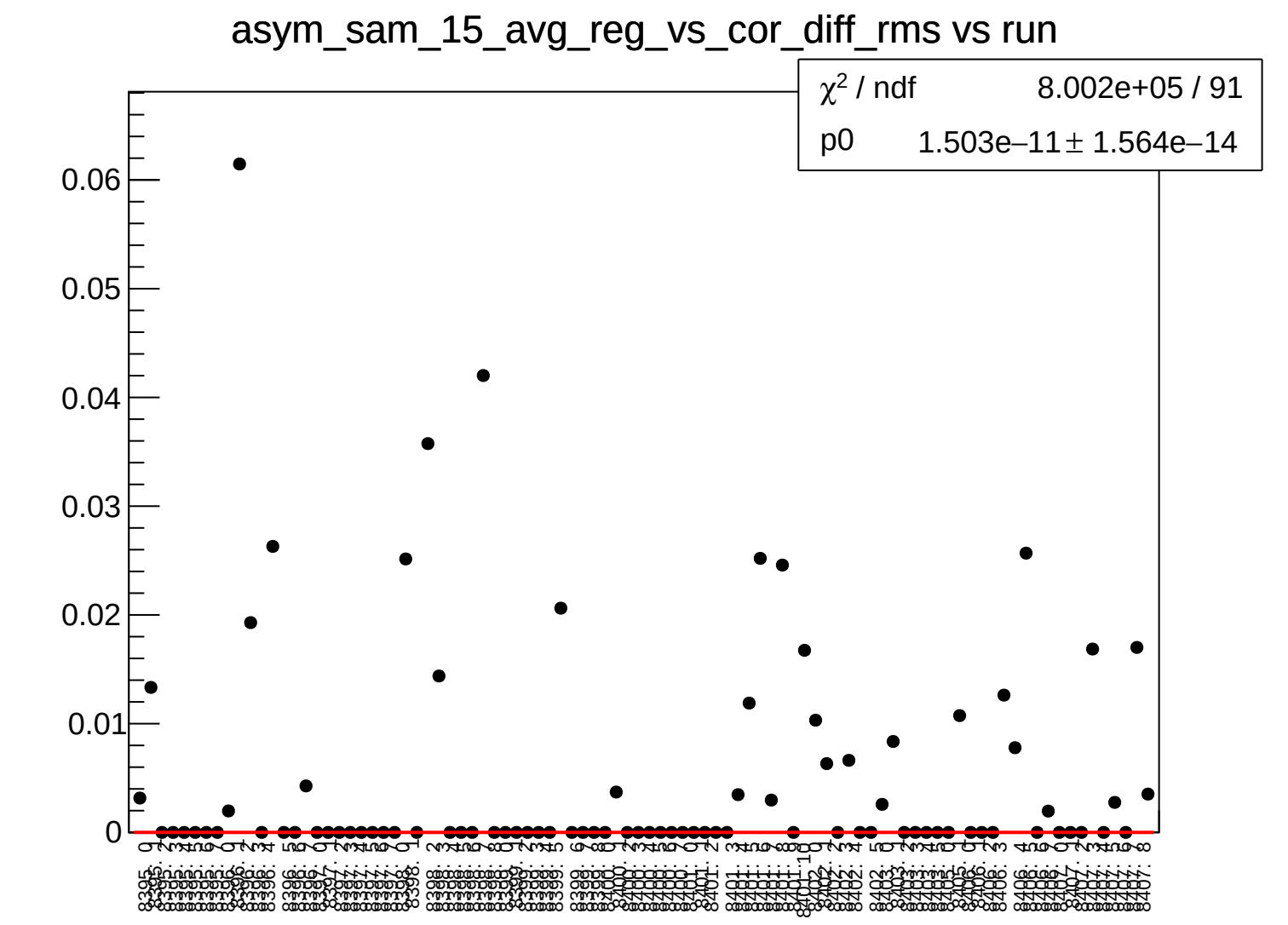

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 2718 / 91
p0 353.7 ± 0.2696
400
390
380
370
360
350
340
330
320
310

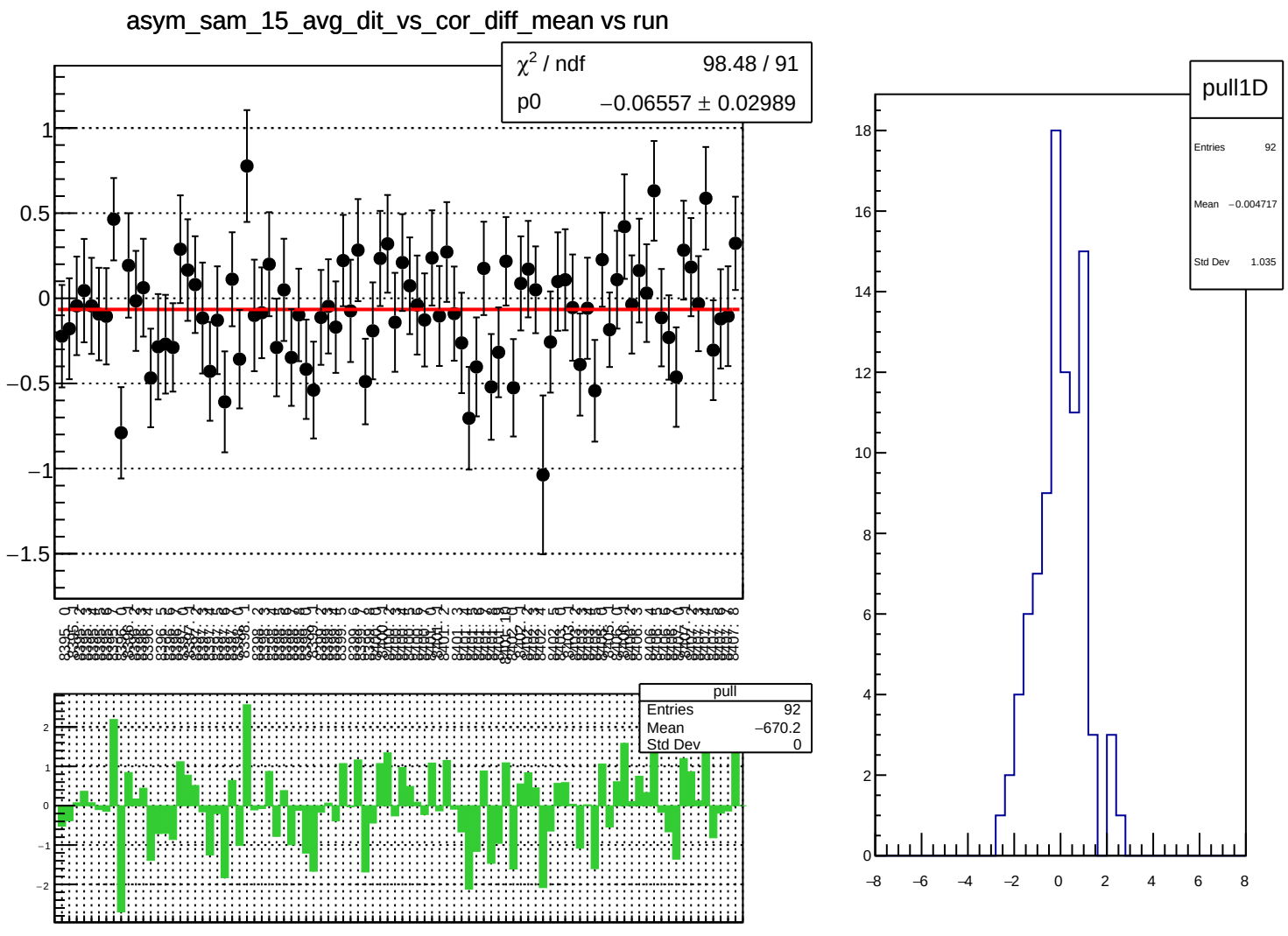

asym_sam_15_avg_mean vs run
χ² / ndf 86.26 / 91
p0 276.2 ± 377.9
10000
5000
0
−5000
−10000
pull
Entries 92
Mean 1847
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

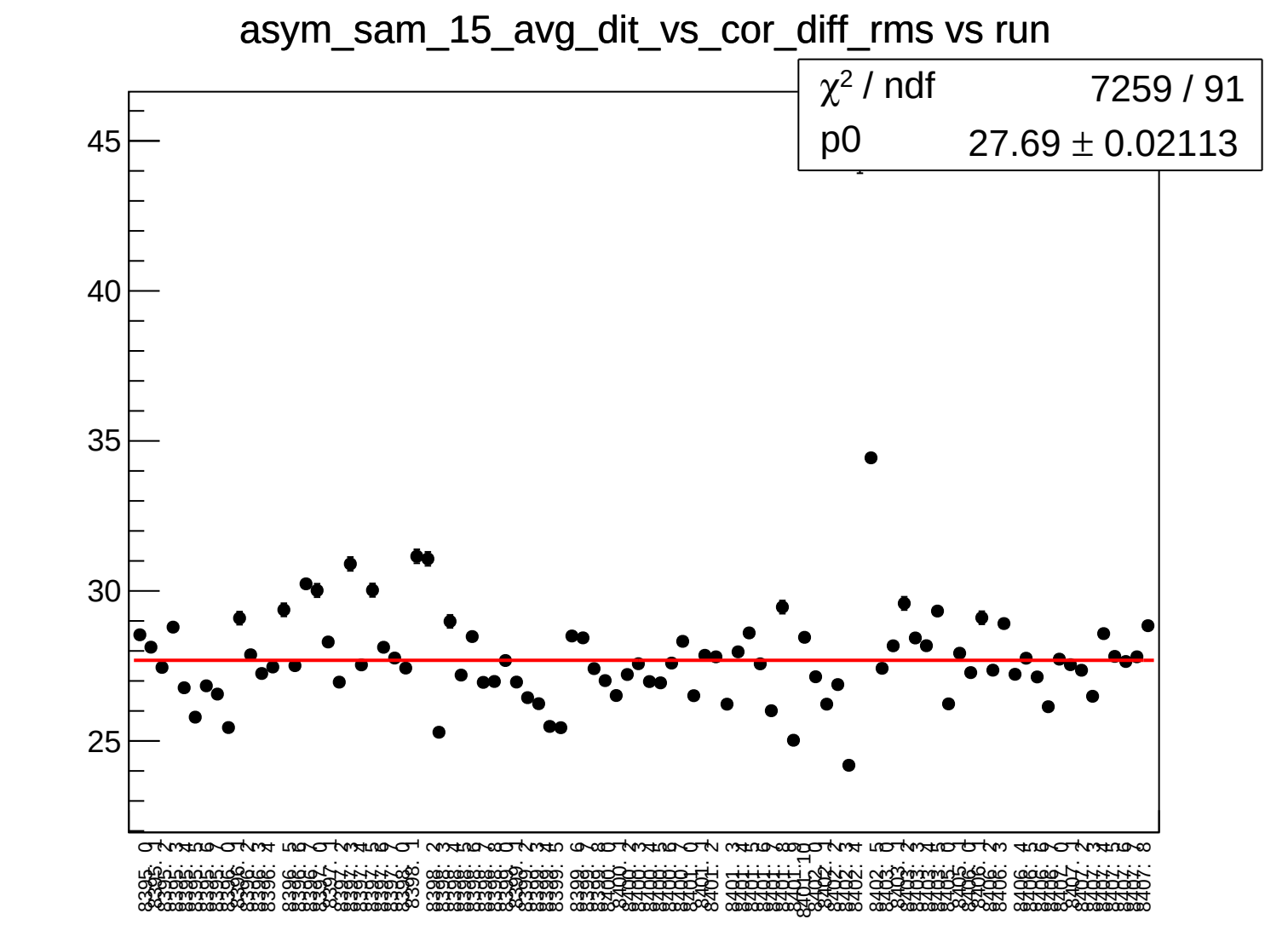

pull1D
Entries 92
Mean −0.0006277
Std Dev 0.9683
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

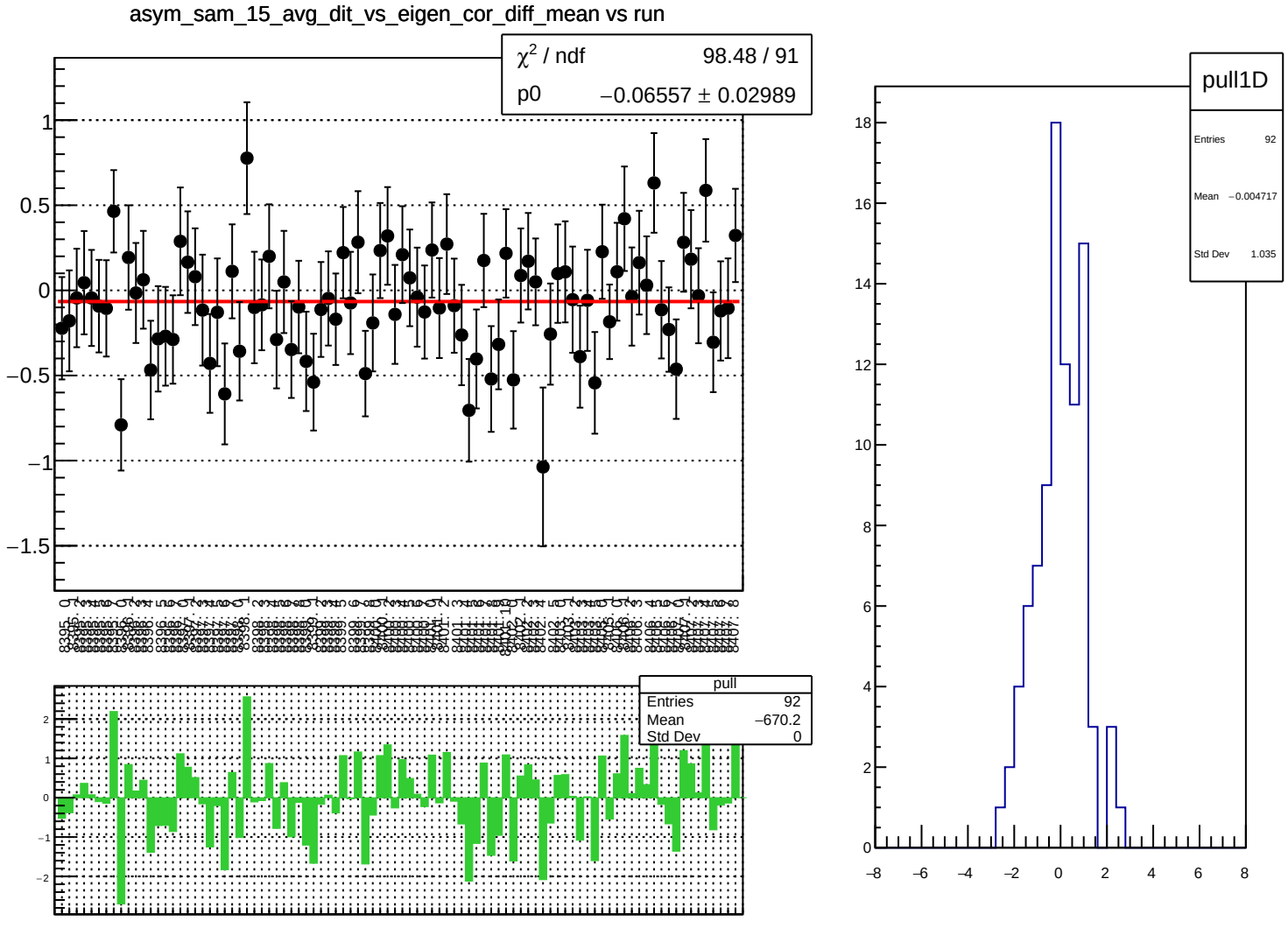

asym_sam_15_avg_rms vs run
χ² / ndf 3601 / 91
p0 350.4 ± 0.2672
400
380
360
340
320

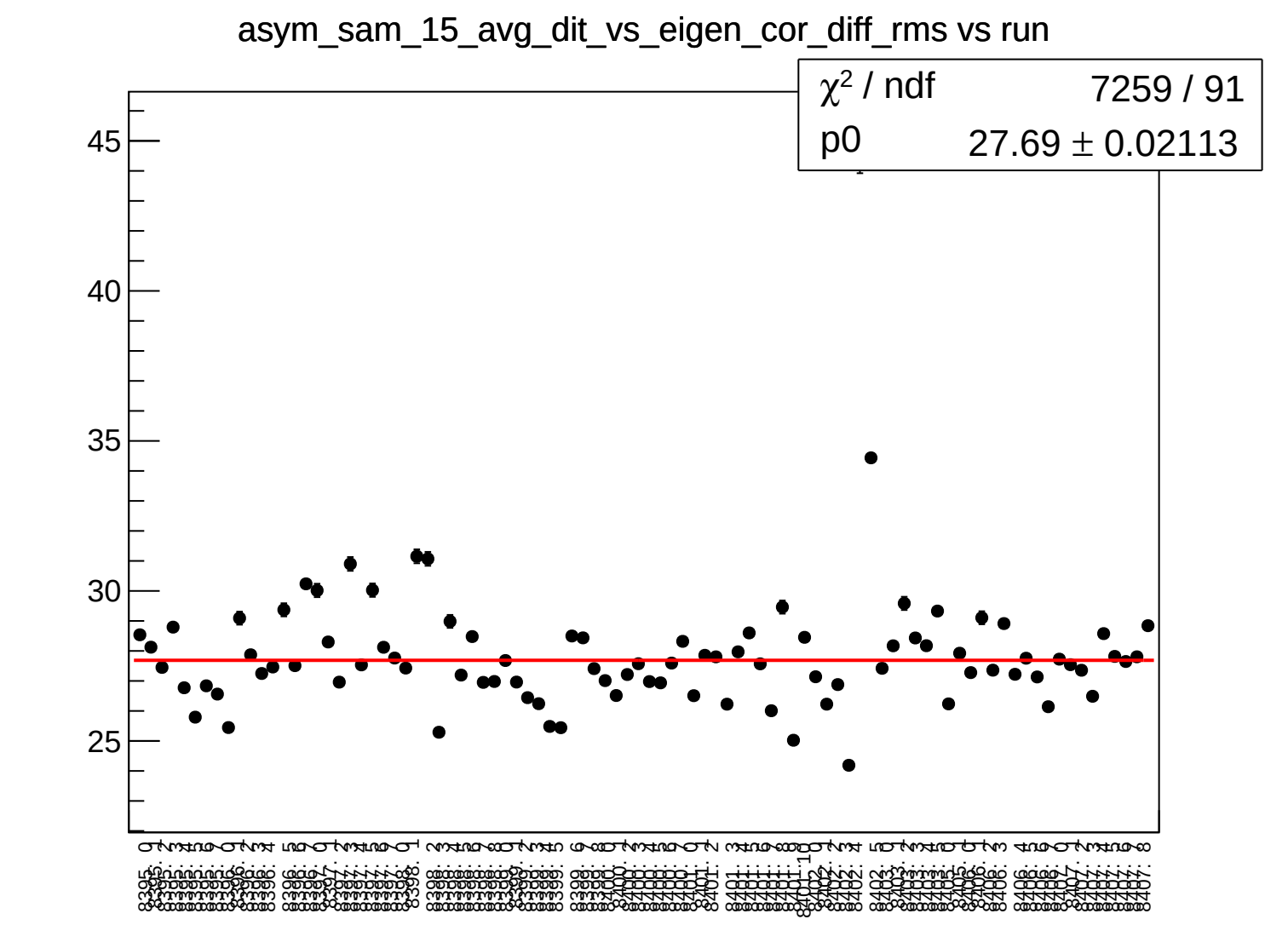

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.16 / 91
p0 −7.247e−16 ± 2.212e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 87.11
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.05336
Std Dev 0.9549
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

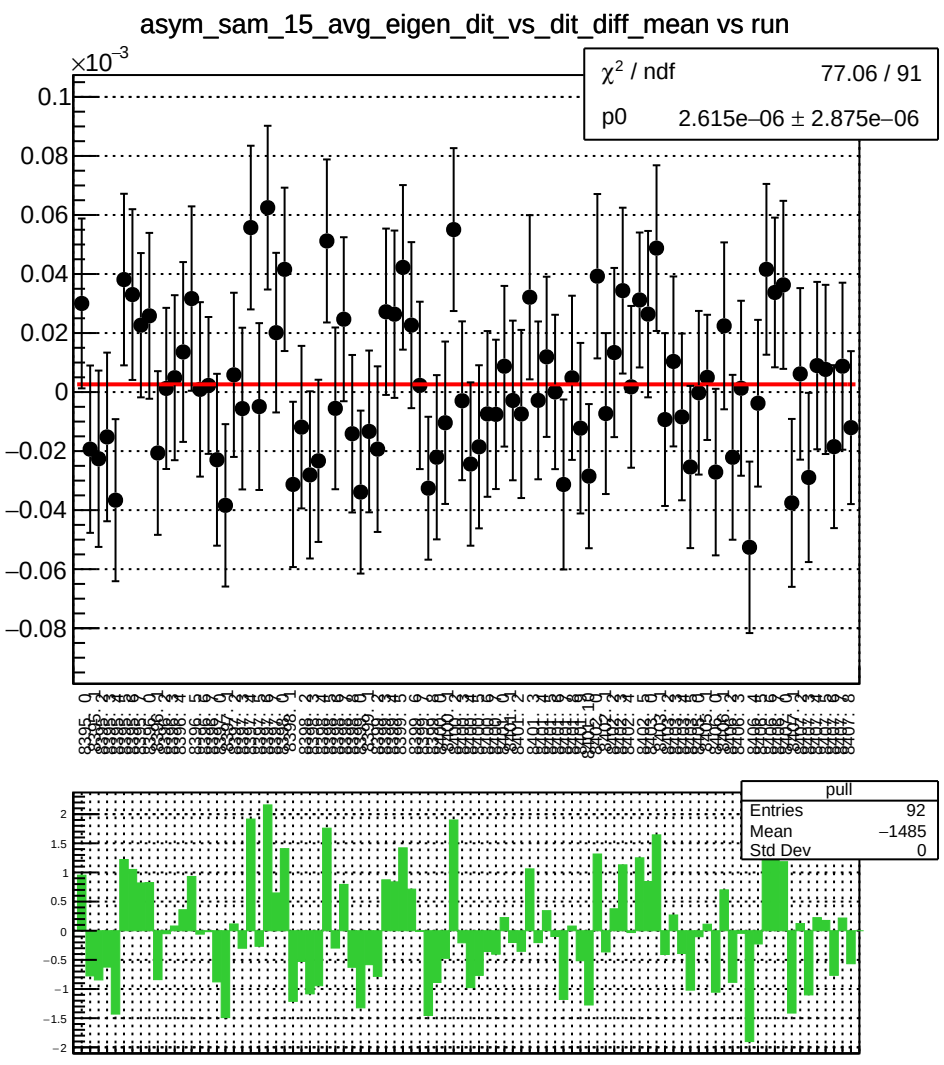

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.002e+05 / 91
p0 1.503e−11 ± 1.564e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

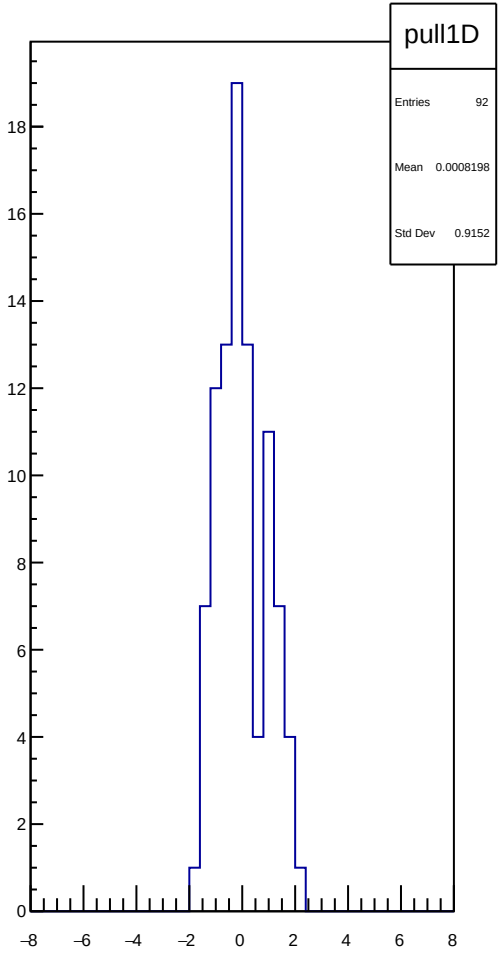

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 98.48 / 91
p0 −0.06557 ± 0.02989
pull
Entries 92
Mean −670.2
Std Dev 0
pull1D
Entries 92
Mean −0.004717
Std Dev 1.035

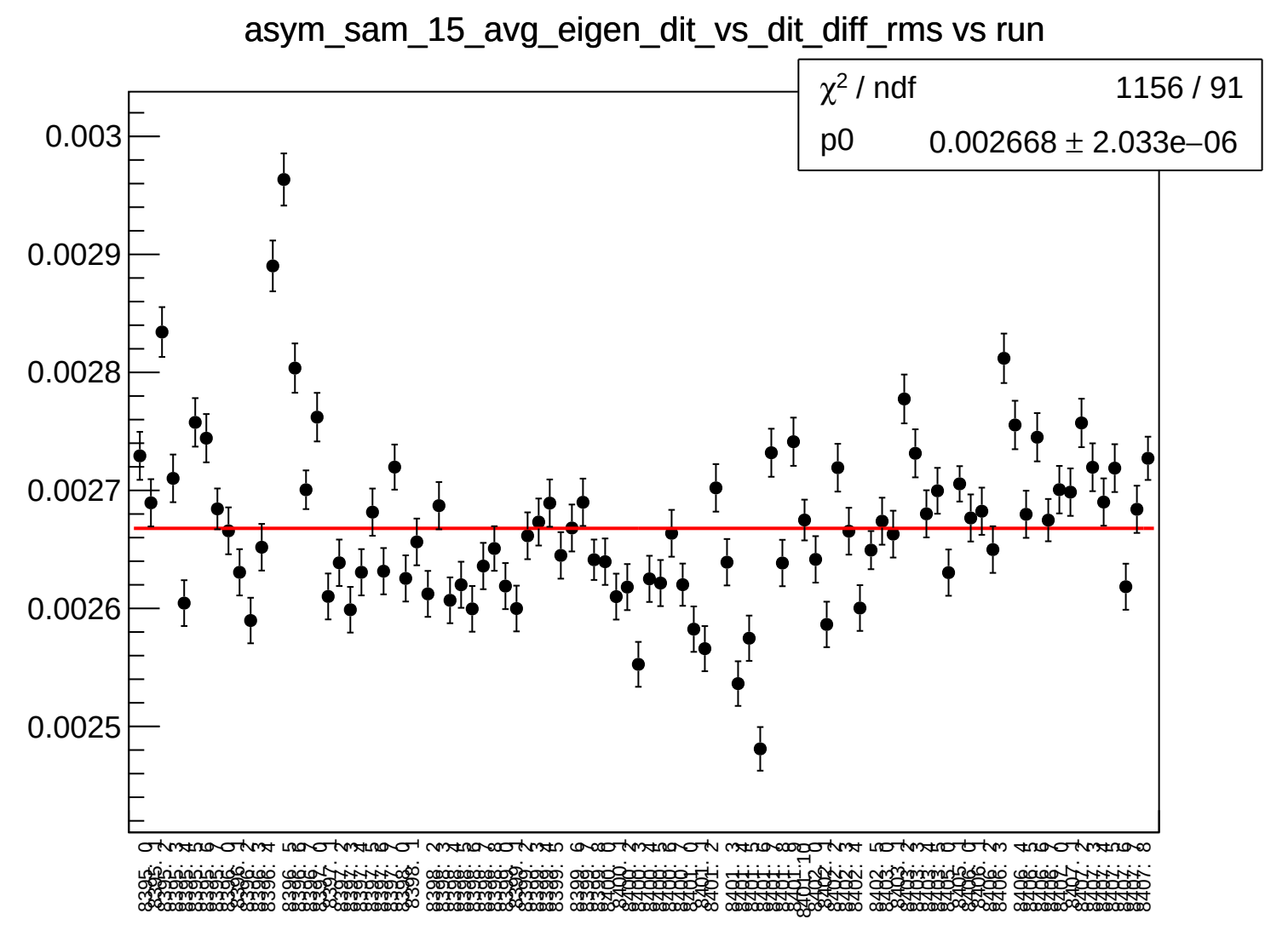

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7259 / 91
p0 27.69 ± 0.02113
45
40
35
30
25

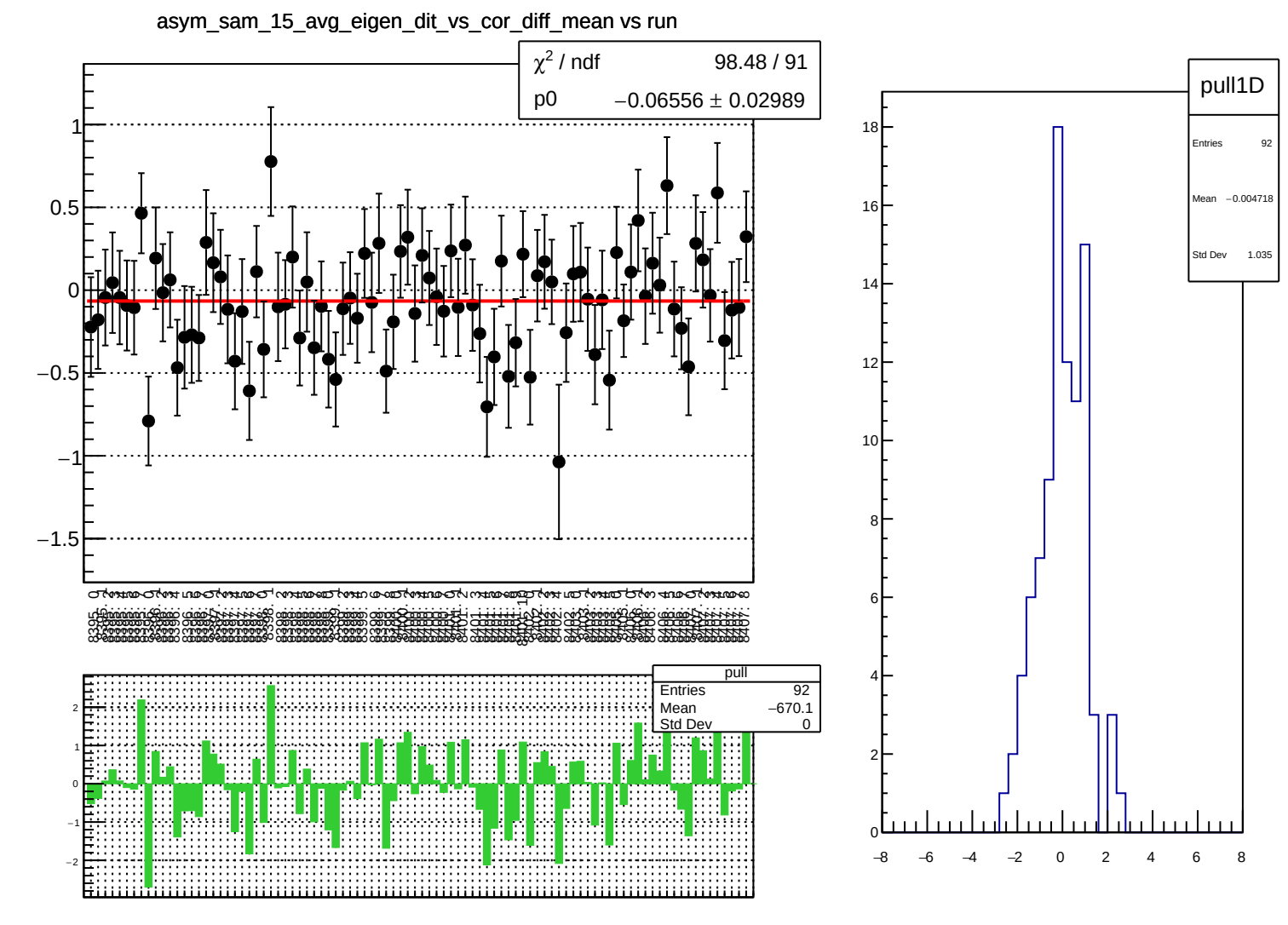

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.48 / 91
p0 −0.06557 ± 0.02989
pull
Entries 92
Mean −670.2
Std Dev 0
pull1D
Entries 92
Mean −0.004717
Std Dev 1.035

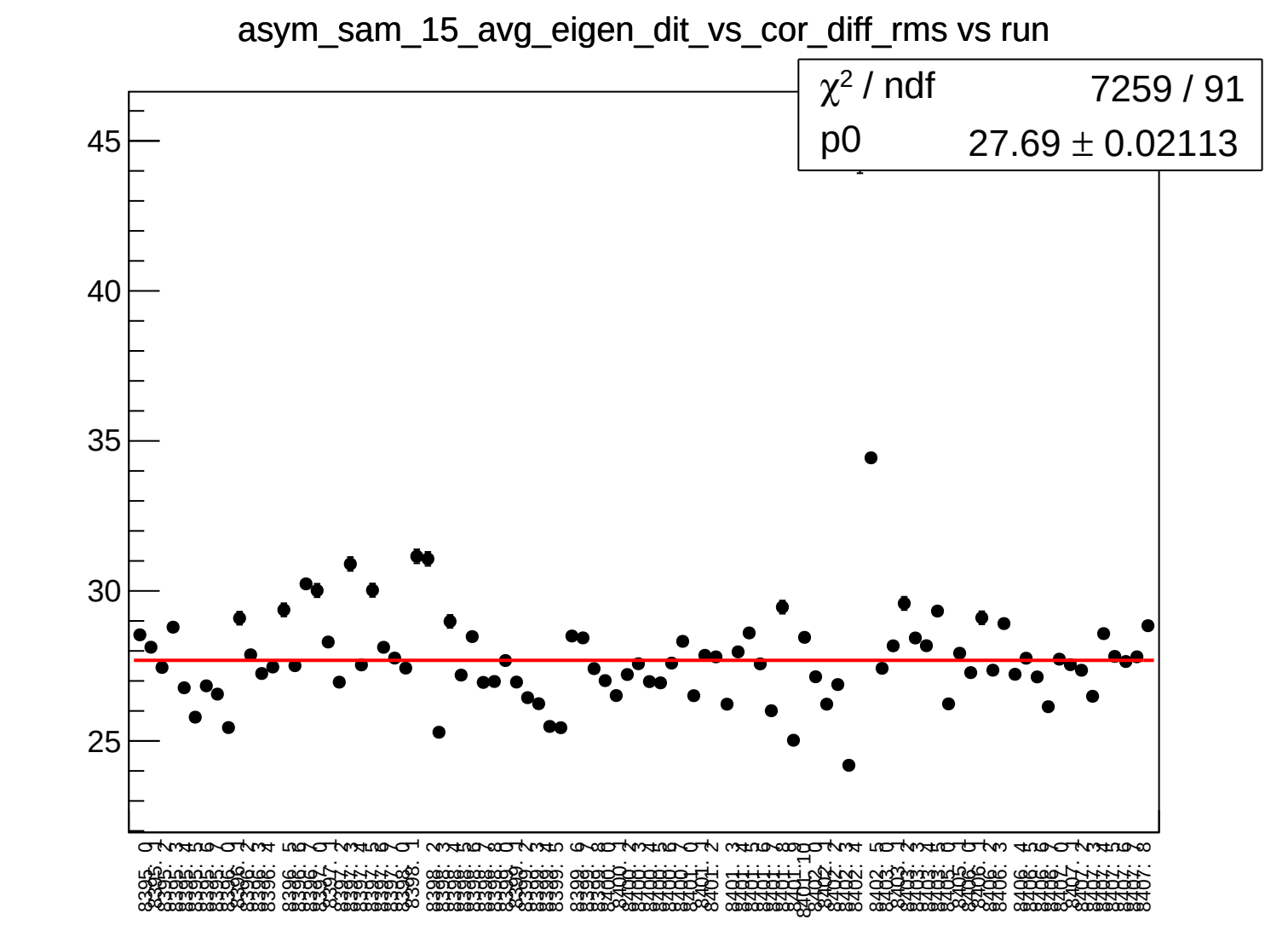

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7259 / 91
p0 27.69 ± 0.02113
45
40
35
30
25

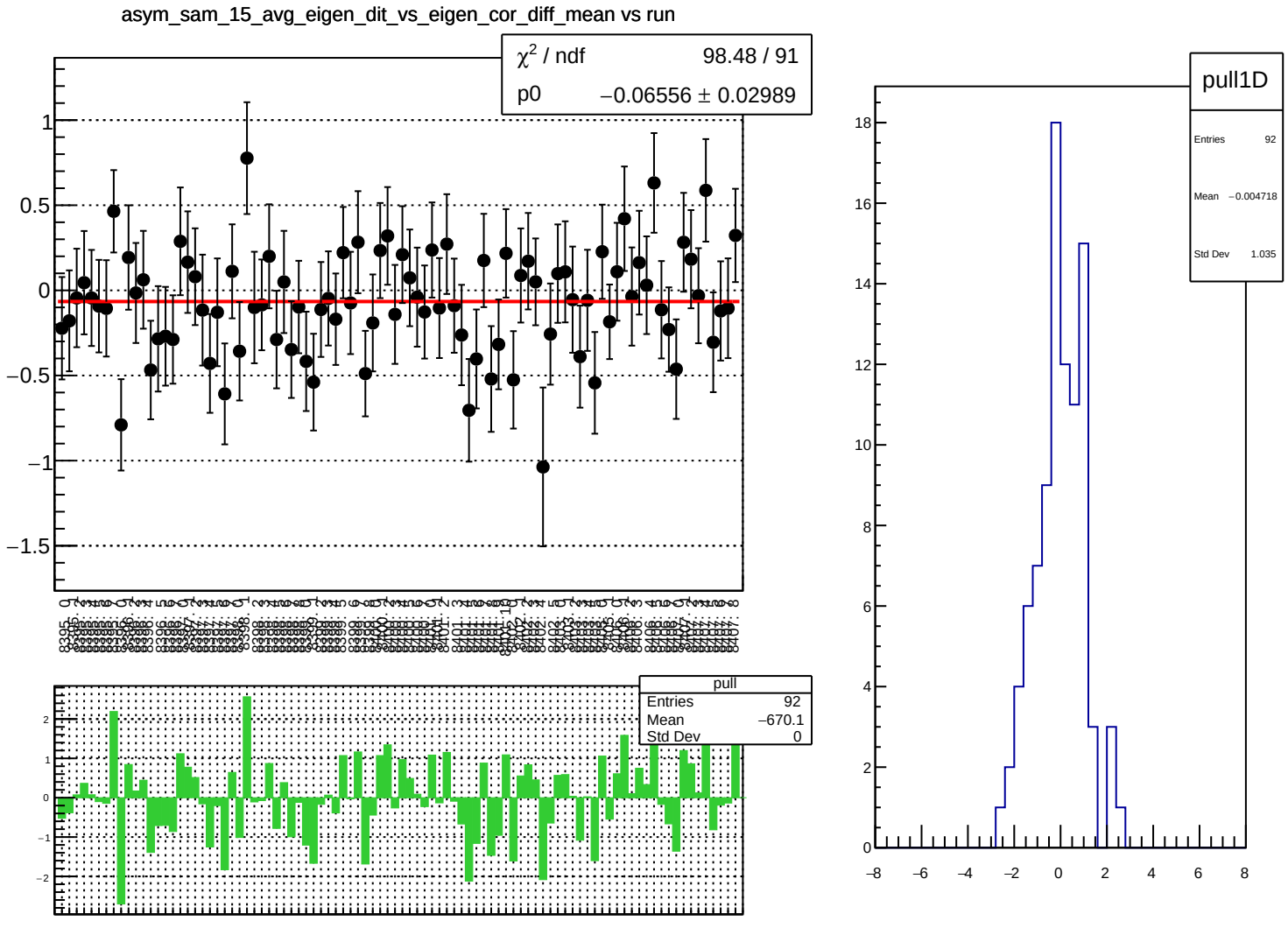

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.06 / 91
p0 2.615e−06 ± 2.875e−06
pull
Entries 92
Mean −1485
Std Dev 0

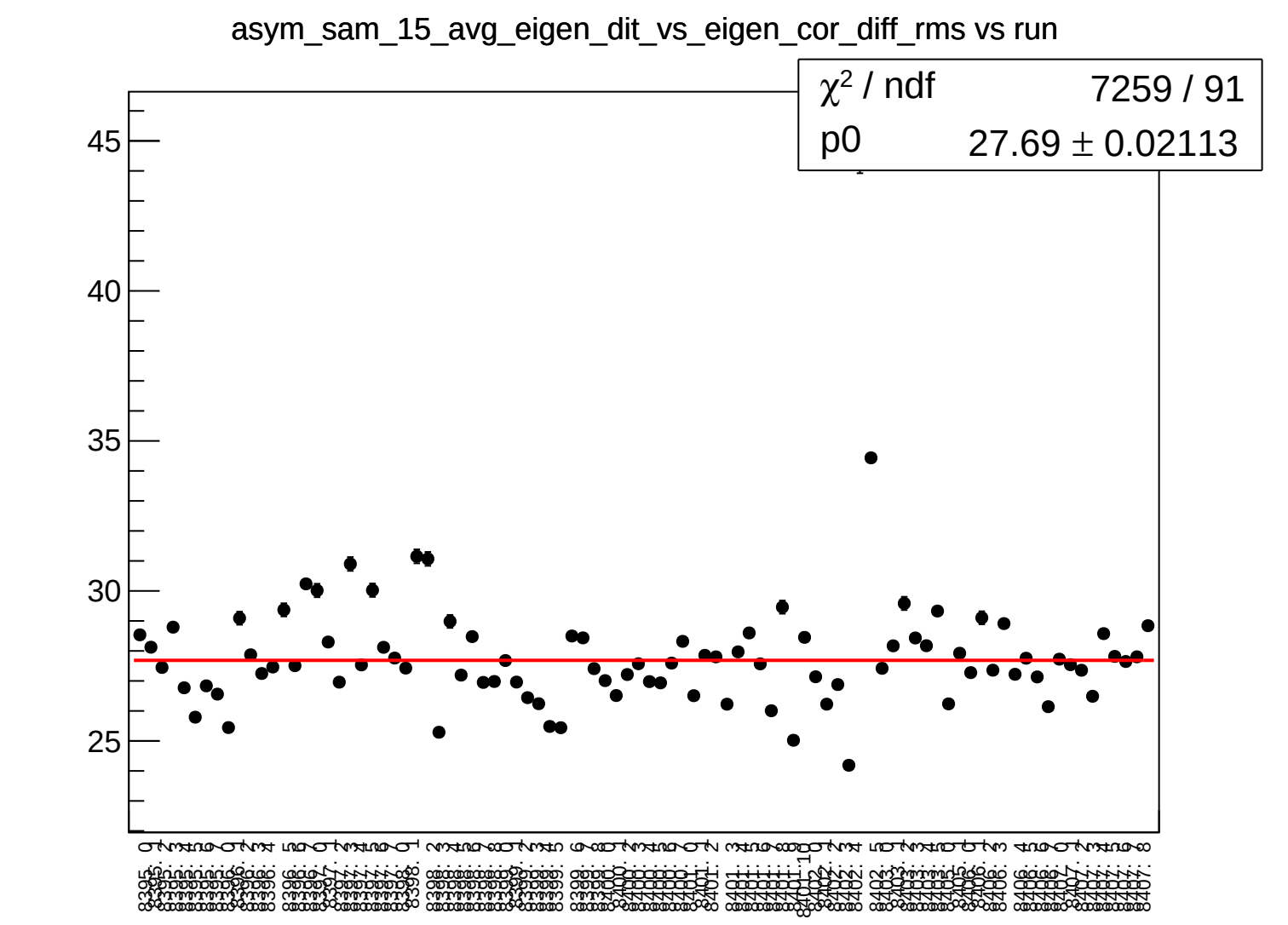

pull1D
Entries 92
Mean 0.0008198
Std Dev 0.9152

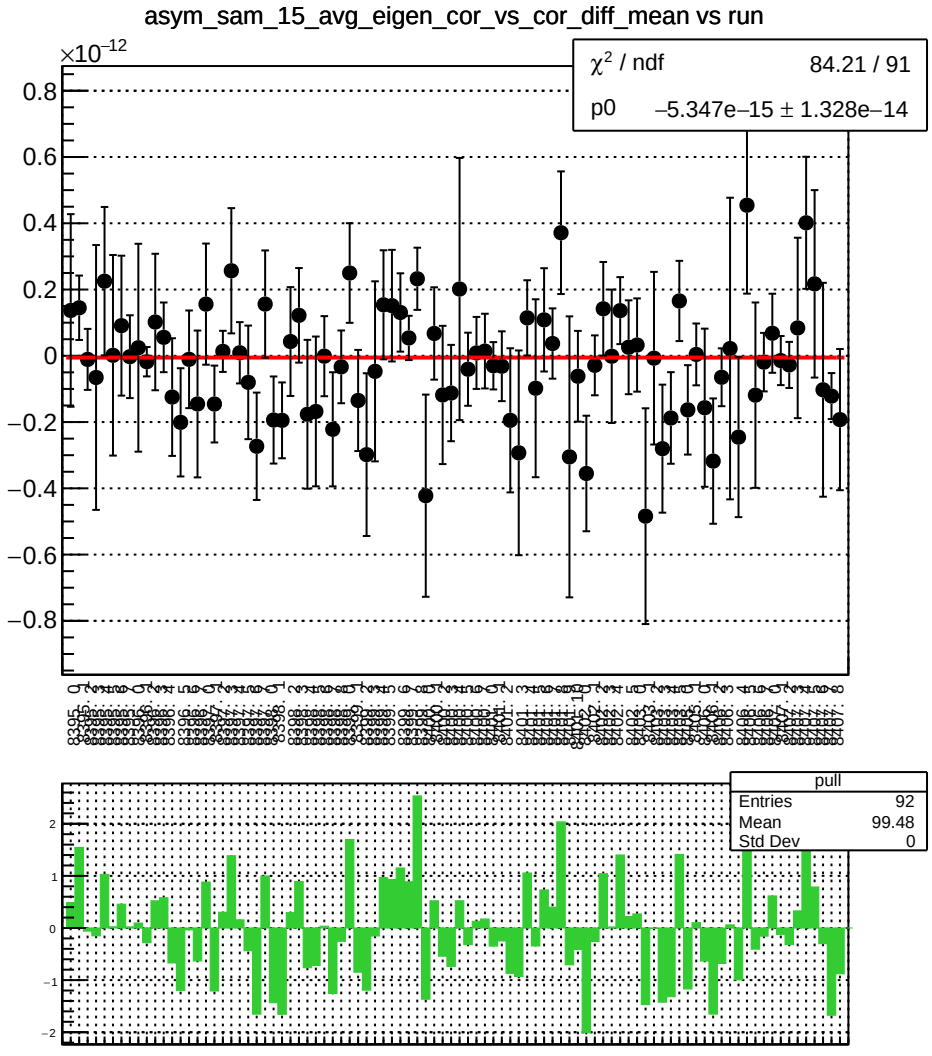

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1156 / 91
p0 0.002668 ± 2.033e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025

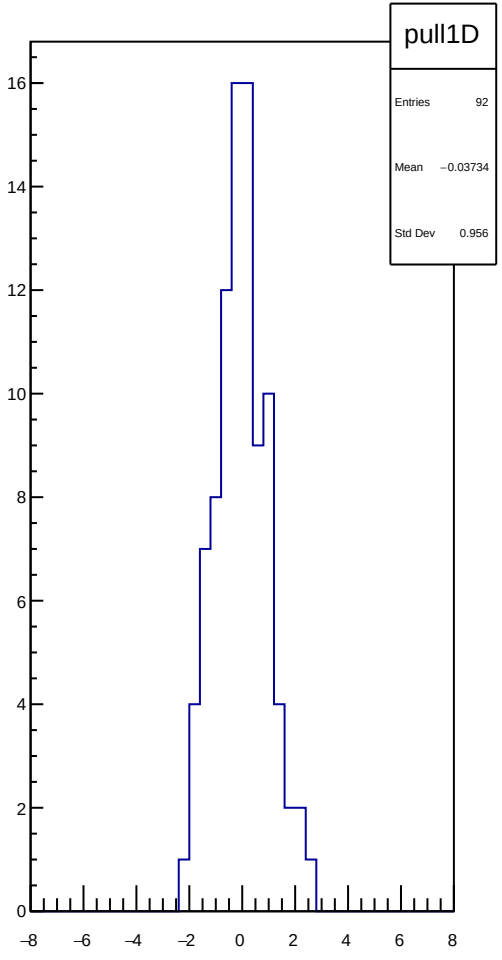

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.48 / 91
p0 −0.06556 ± 0.02989
pull
Entries 92
Mean −670.1
Std Dev 0
pull1D
Entries 92
Mean −0.004718
Std Dev 1.035

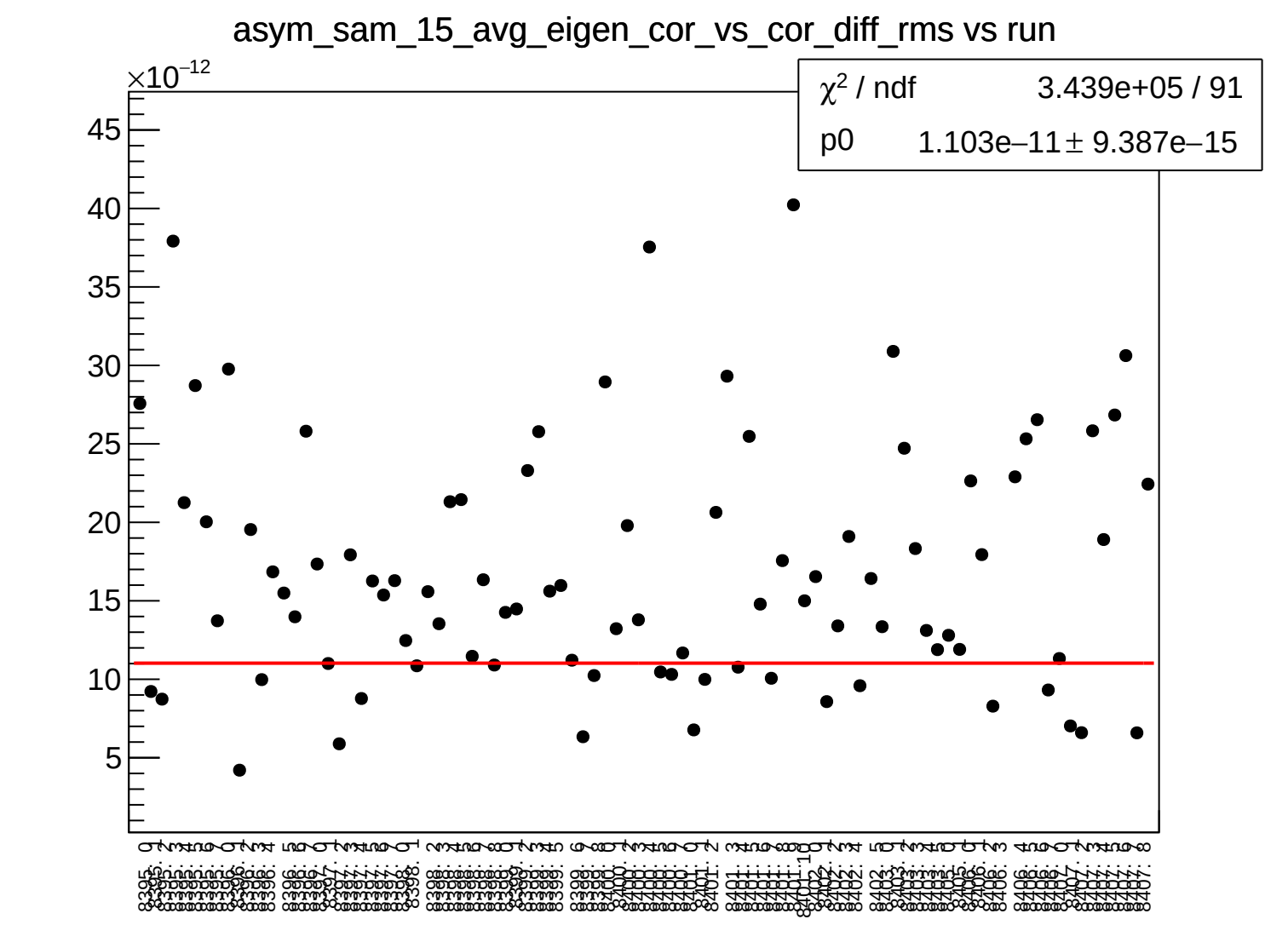

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7259 / 91
p0 27.69 ± 0.02113
45
40
35
30
25

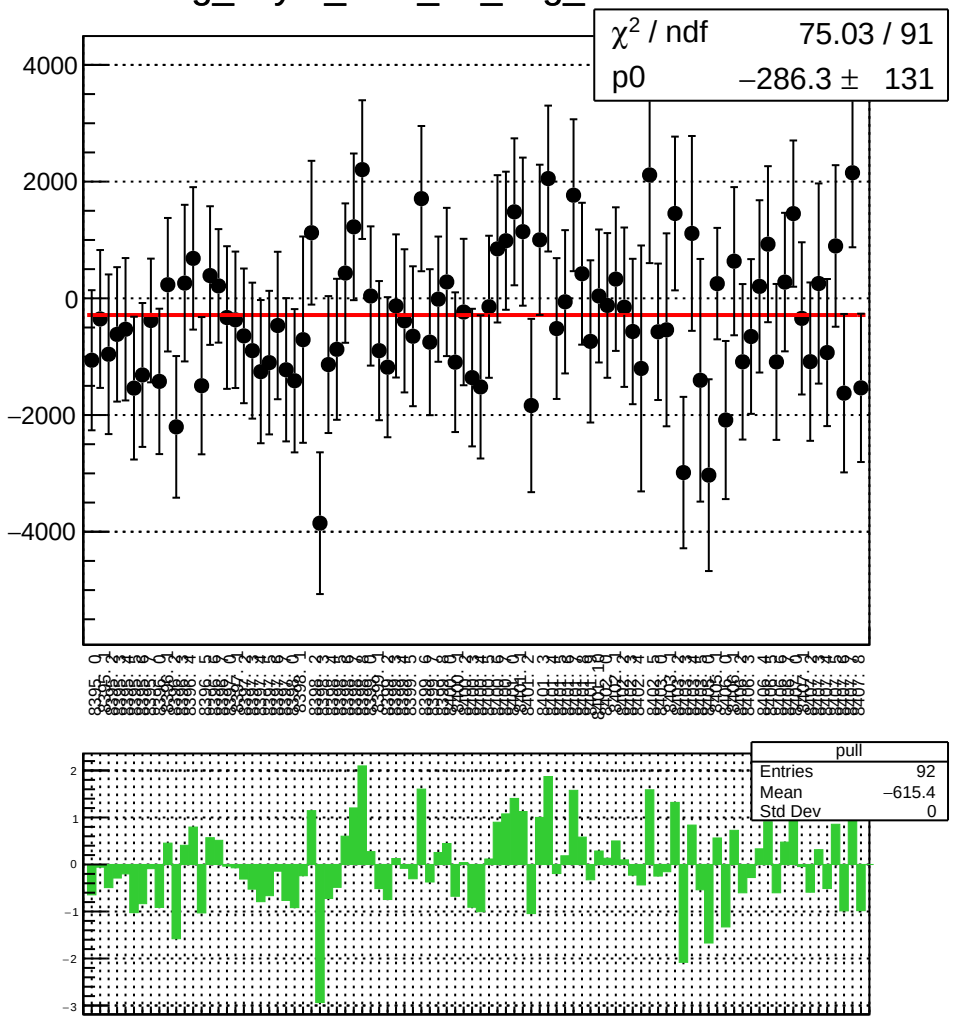

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.48 / 91
p0 −0.06556 ± 0.02989
pull
Entries 92
Mean −670.1
Std Dev 0
pull1D
Entries 92
Mean −0.004718
Std Dev 1.035

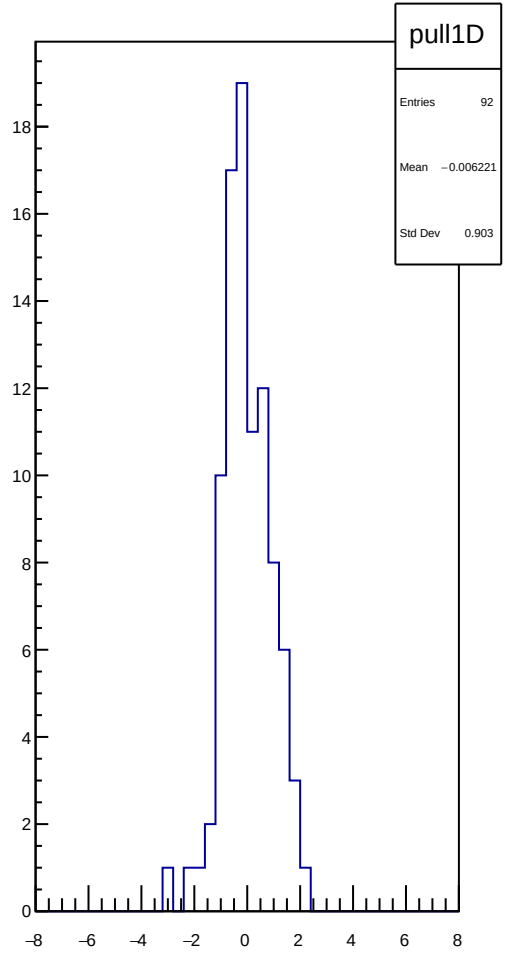

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7259 / 91
p0 27.69 ± 0.02113
45
40
35
30
25

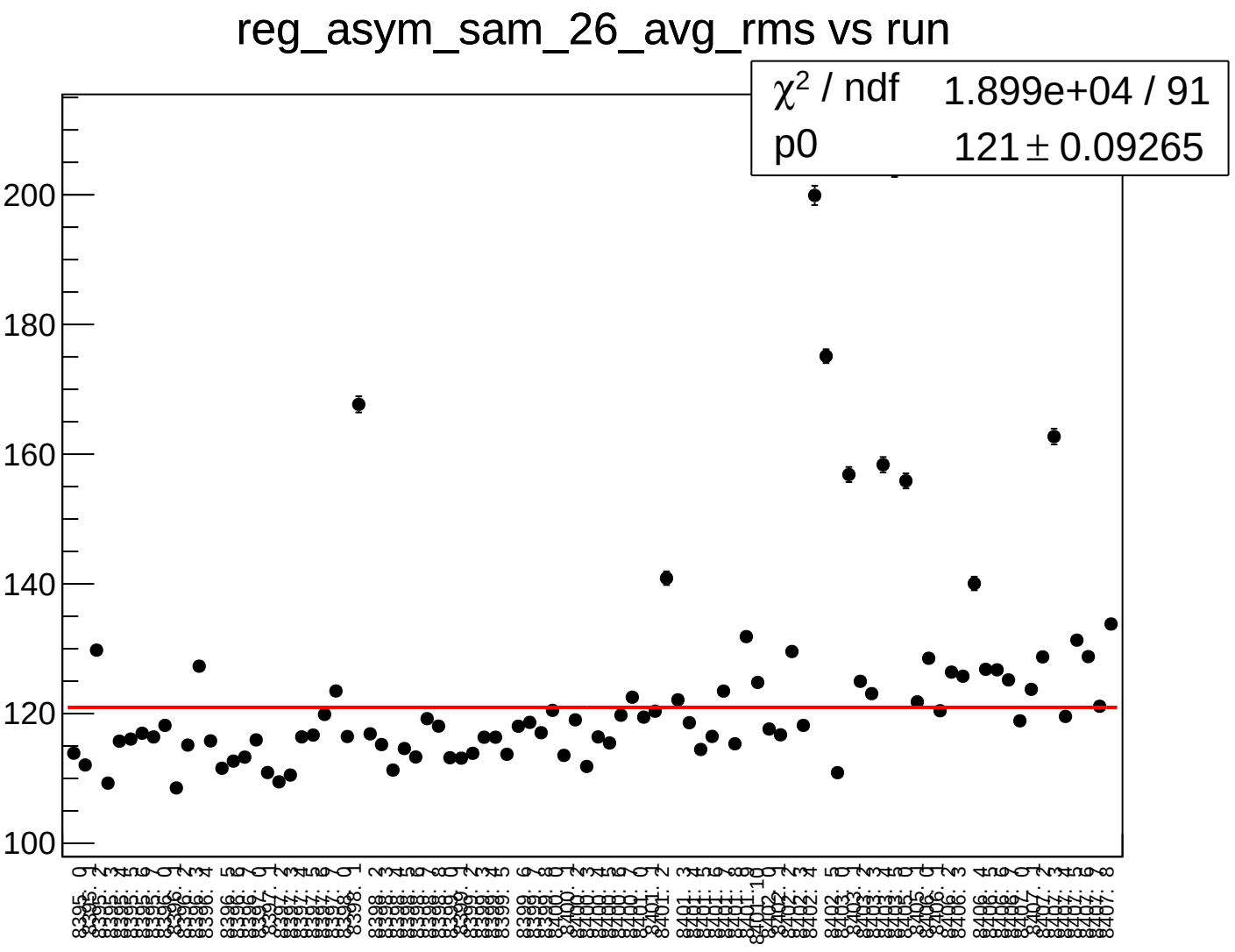

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.21 / 91
p0 −5.347e−15 ± 1.328e−14
pull
Entries 92
Mean 99.48
Std Dev 0

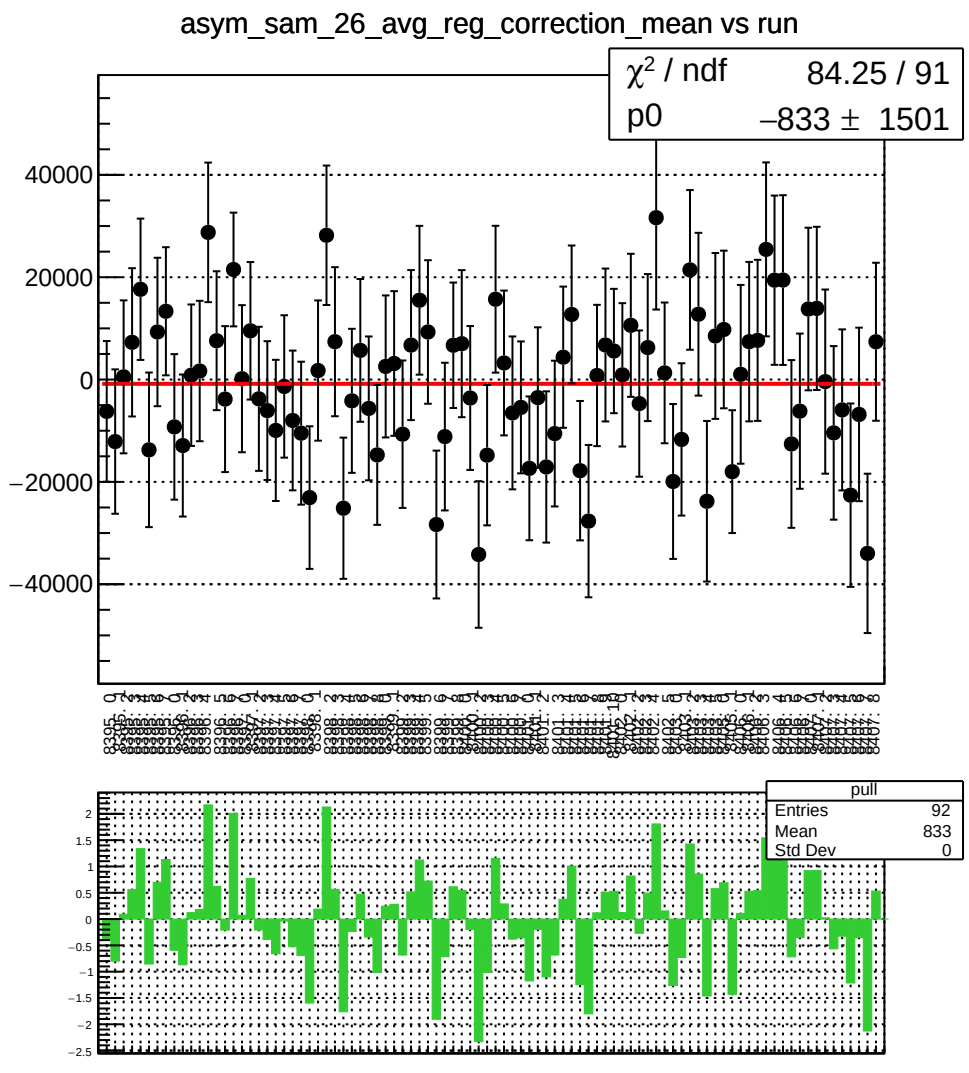

pull1D
Entries 92
Mean −0.03734
Std Dev 0.956

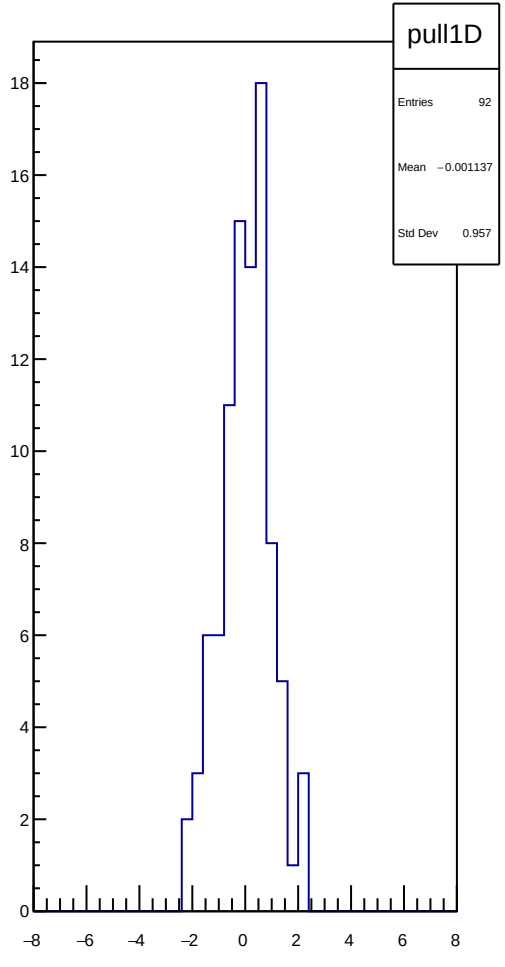

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.439e+05 / 91
p0 1.103e−11 ± 9.387e−15
45
40
35
30
25
20
15
10
5

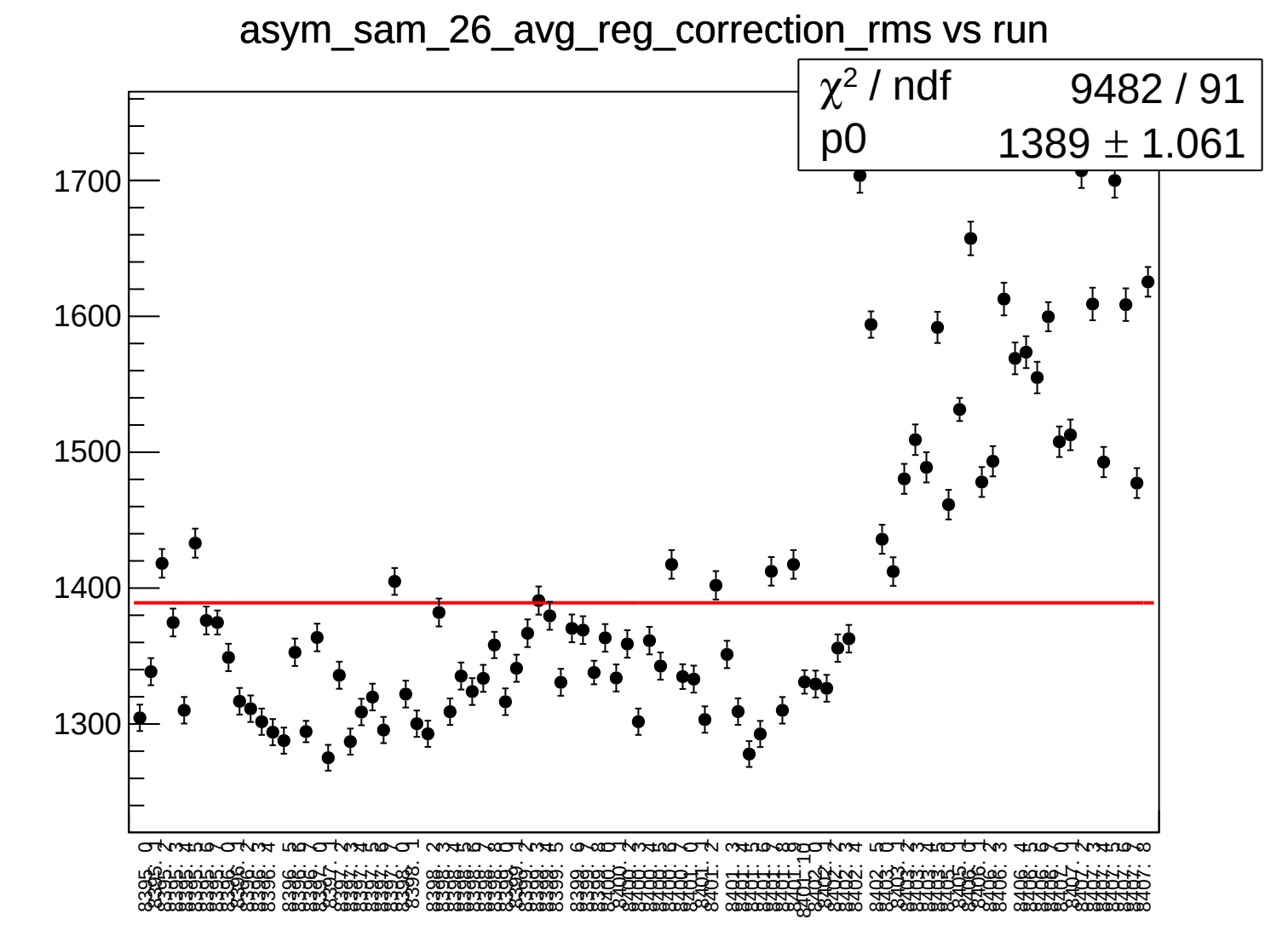

reg_asym_sam_26_avg_mean vs run
χ² / ndf 75.03 / 91
p0 −286.3 ± 131
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −615.4
Std Dev 0
2
1
0
−1
−2
−3

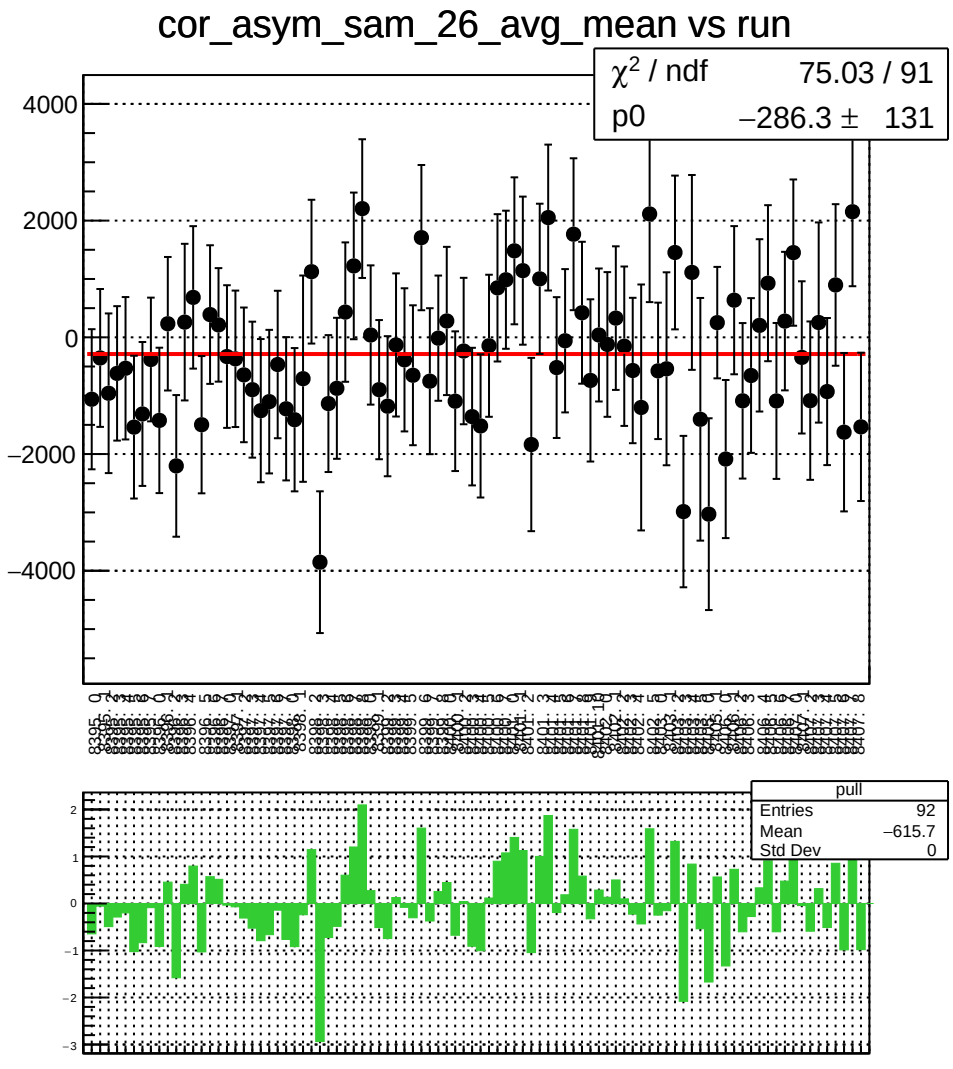

pull1D
Entries 92
Mean −0.006221
Std Dev 0.903
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

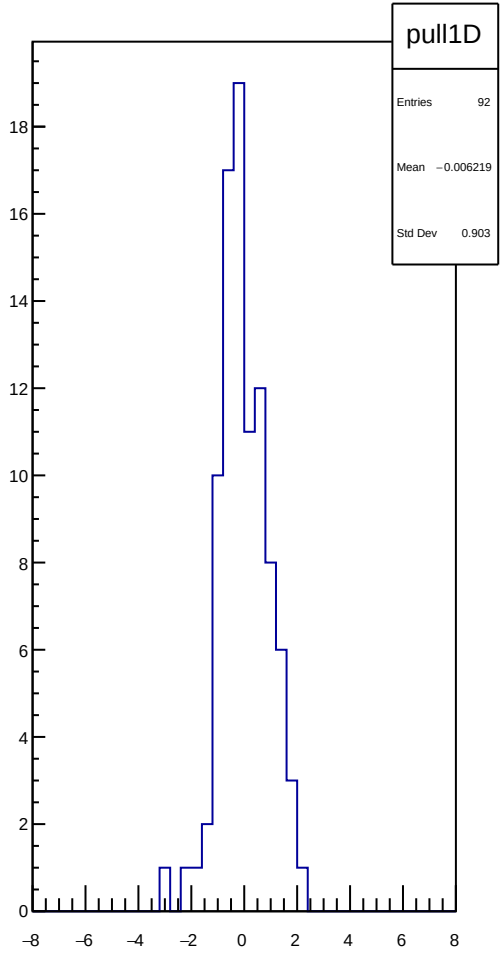

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.899e+04 / 91
p0 121 ± 0.09265
200
180
160
140
120
100

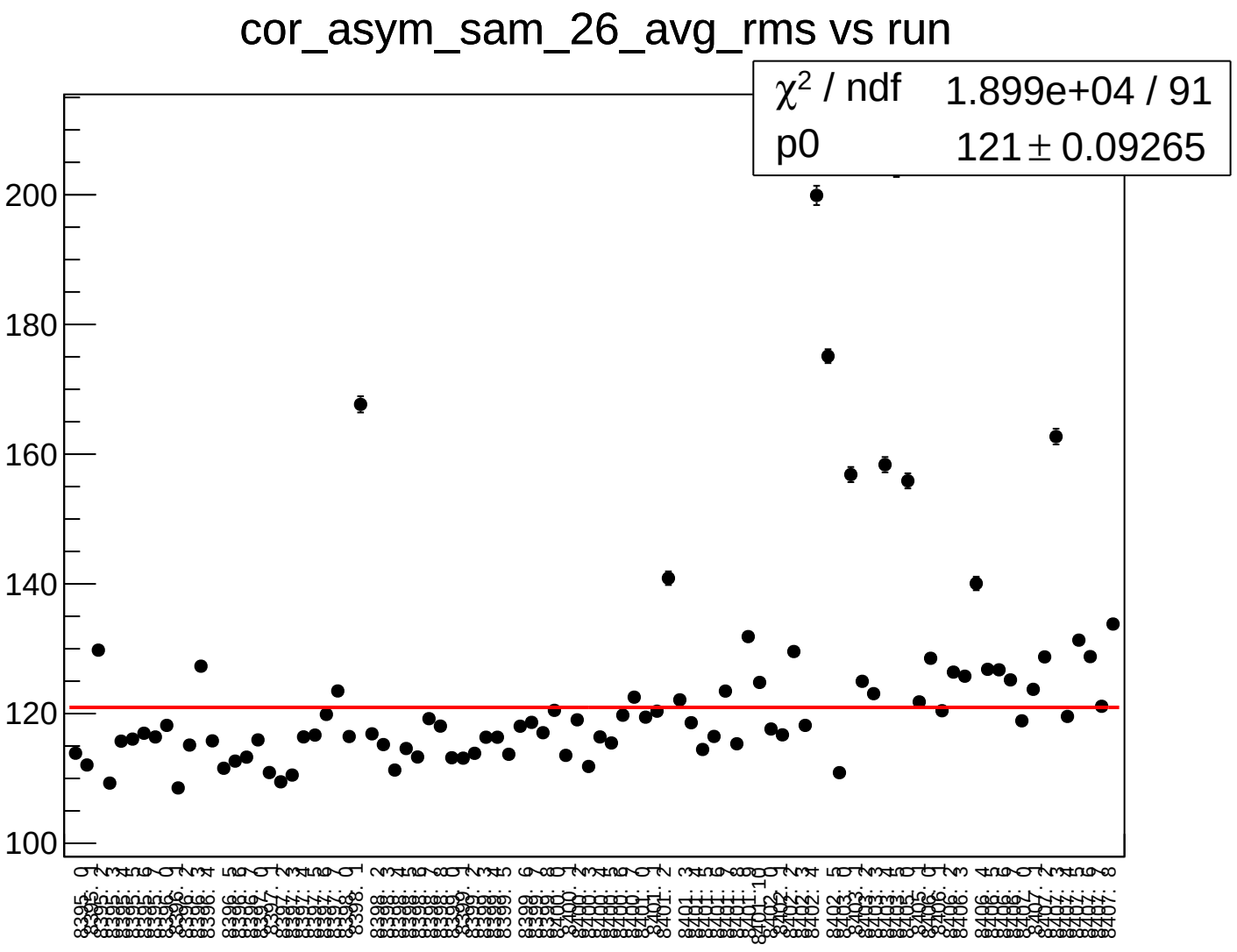

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 84.25 / 91
p0 −833 ± 1501
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 833
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

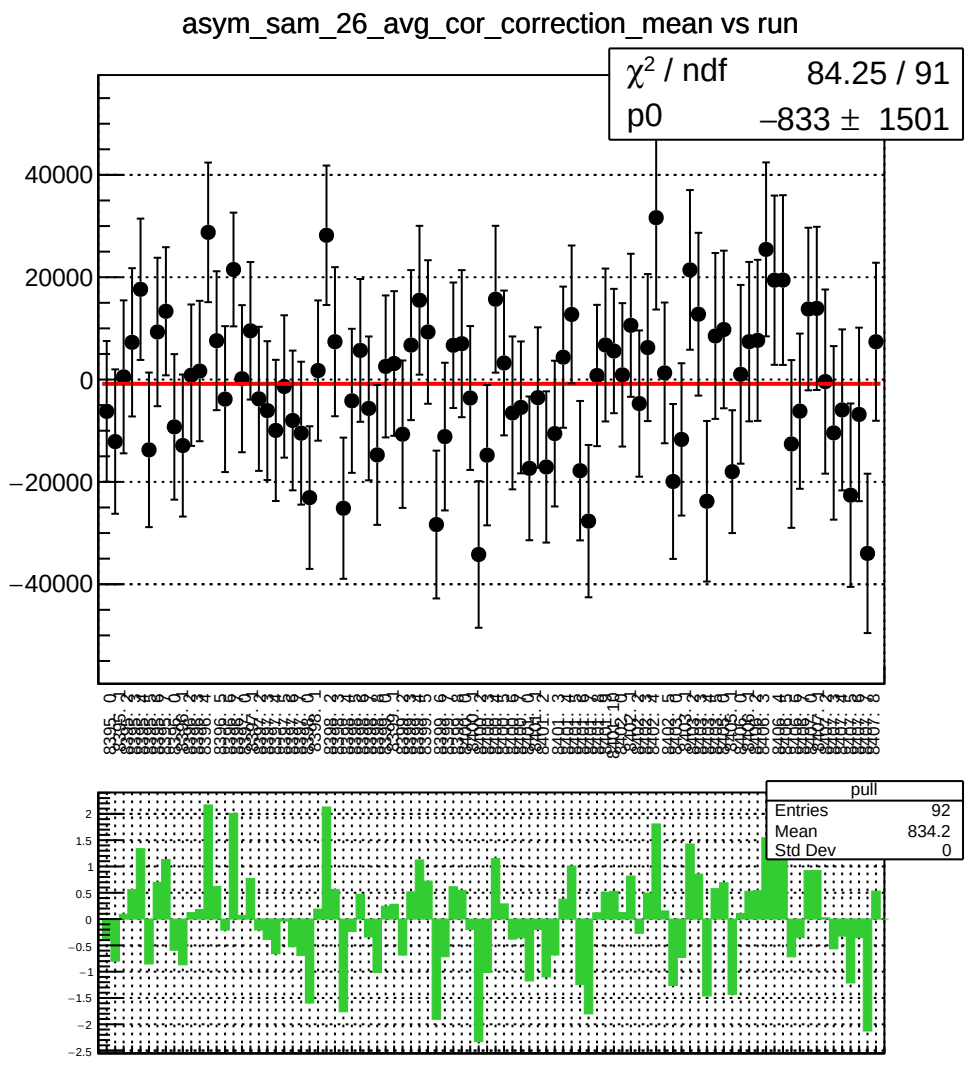

pull1D
Entries 92
Mean −0.001137
Std Dev 0.957
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

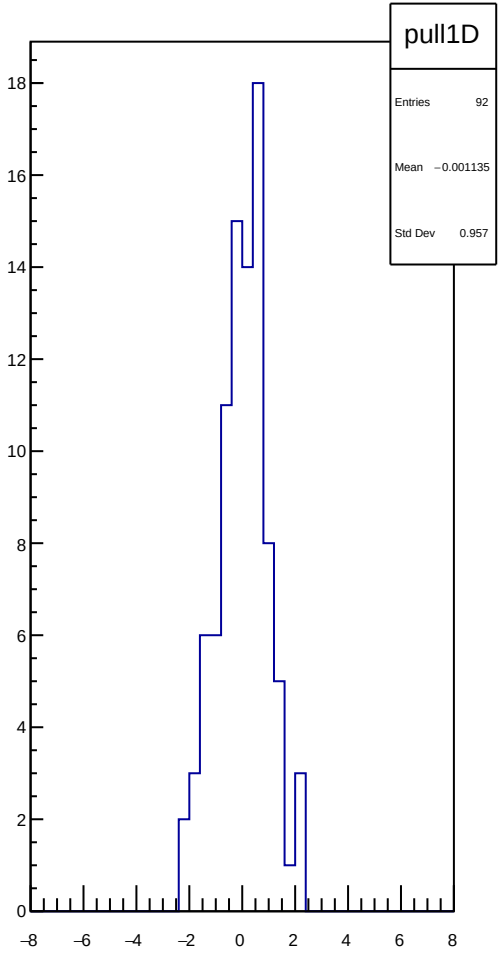

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 9482 / 91
p0 1389 ± 1.061
1700
1600
1500
1400
1300

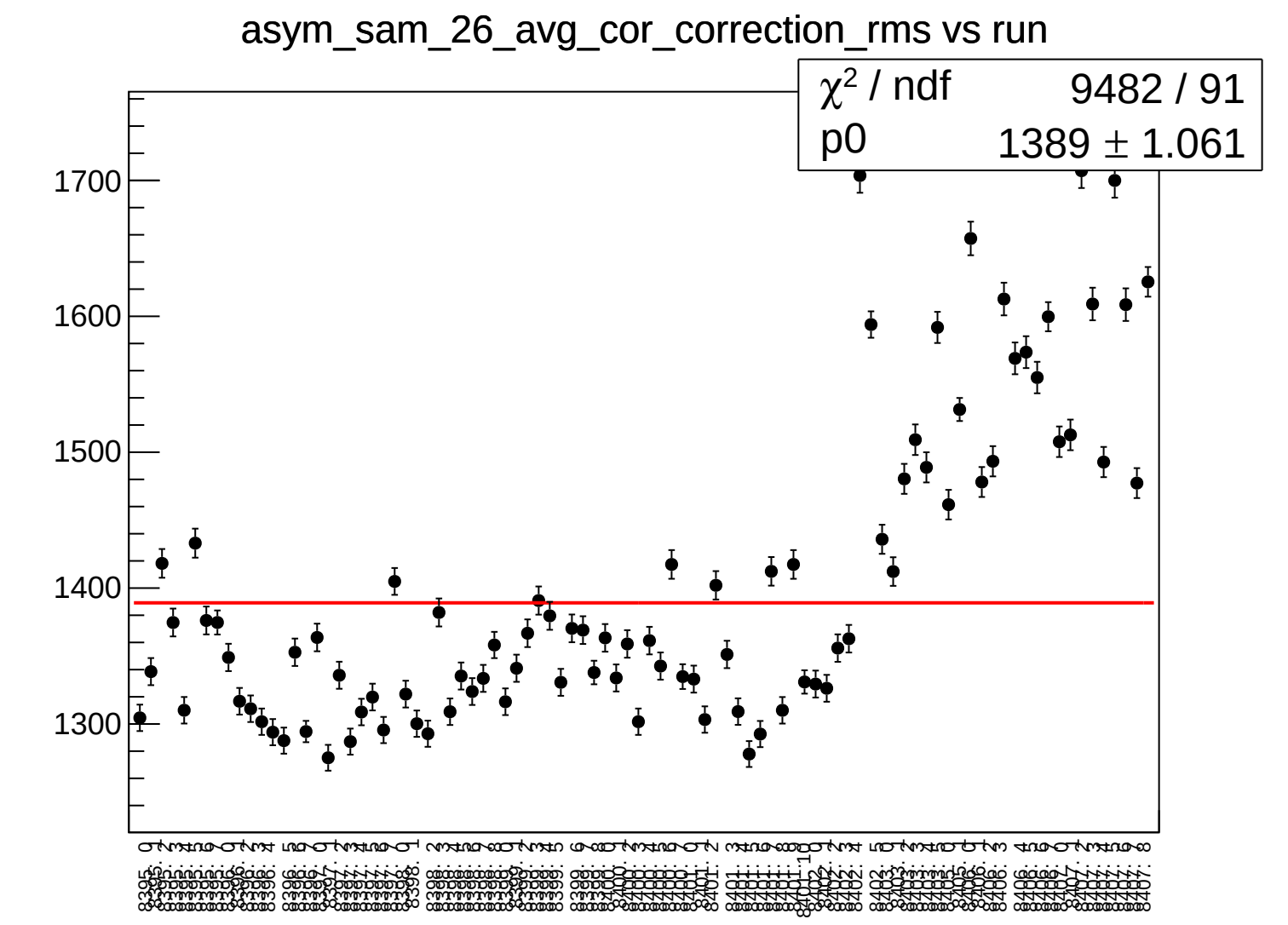

cor_asym_sam_26_avg_mean vs run
χ² / ndf 75.03 / 91
p0 −286.3 ± 131
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −615.7
Std Dev 0
2
1
0
−1
−2
−3

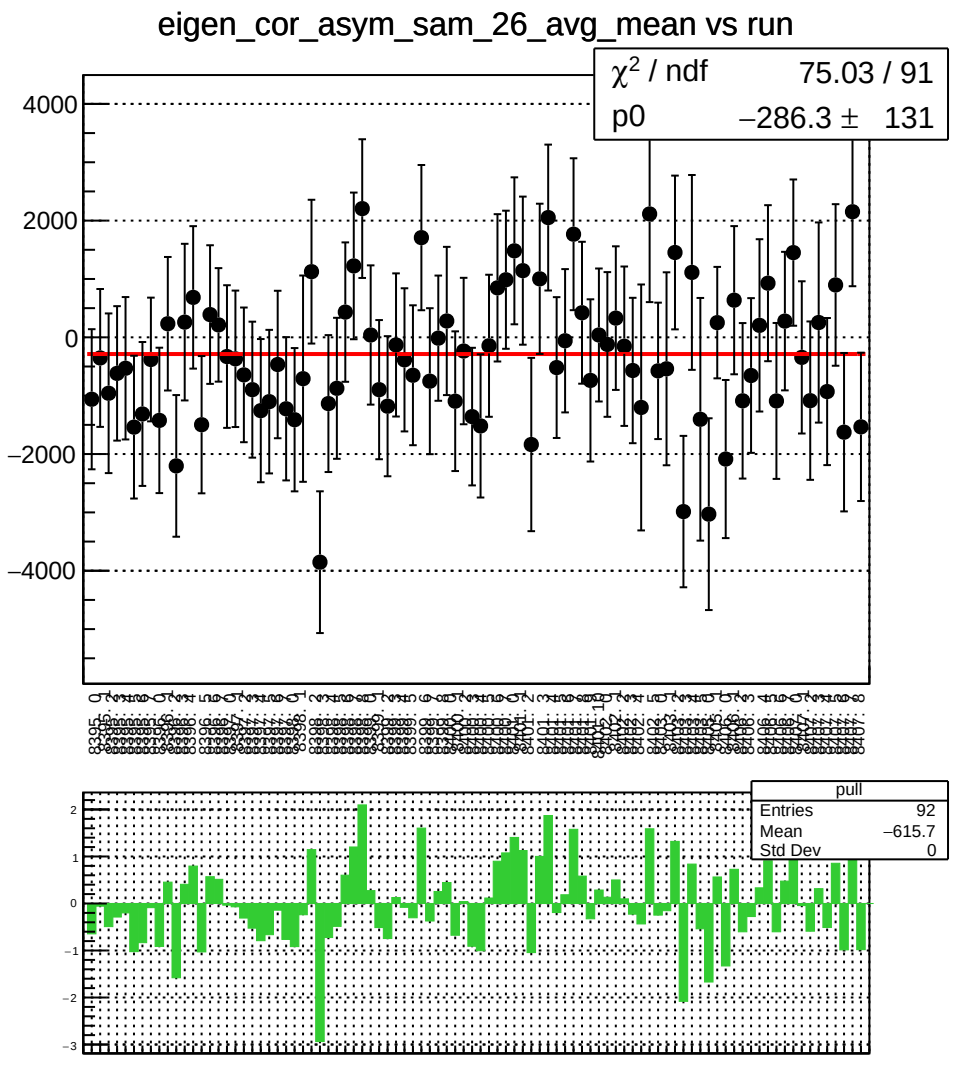

pull1D
Entries 92
Mean −0.006219
Std Dev 0.903
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

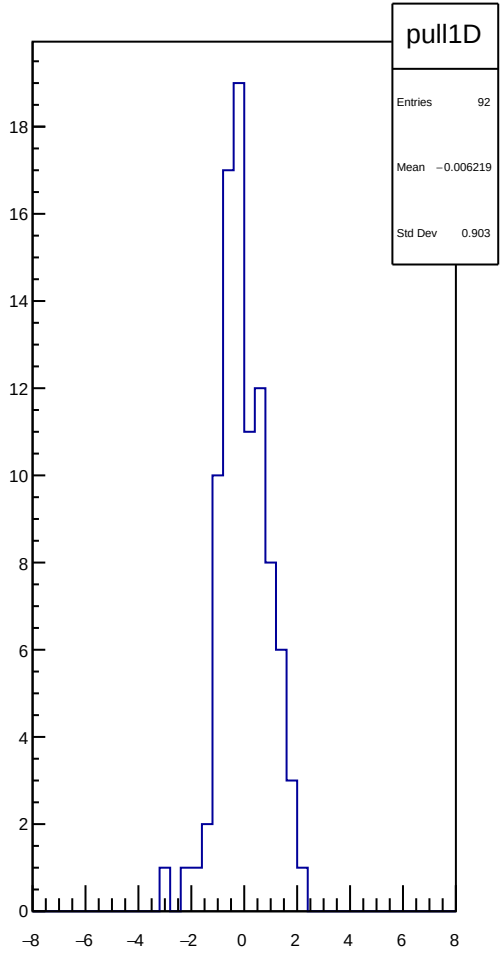

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.899e+04 / 91
p0 121 ± 0.09265
200
180
160
140
120
100

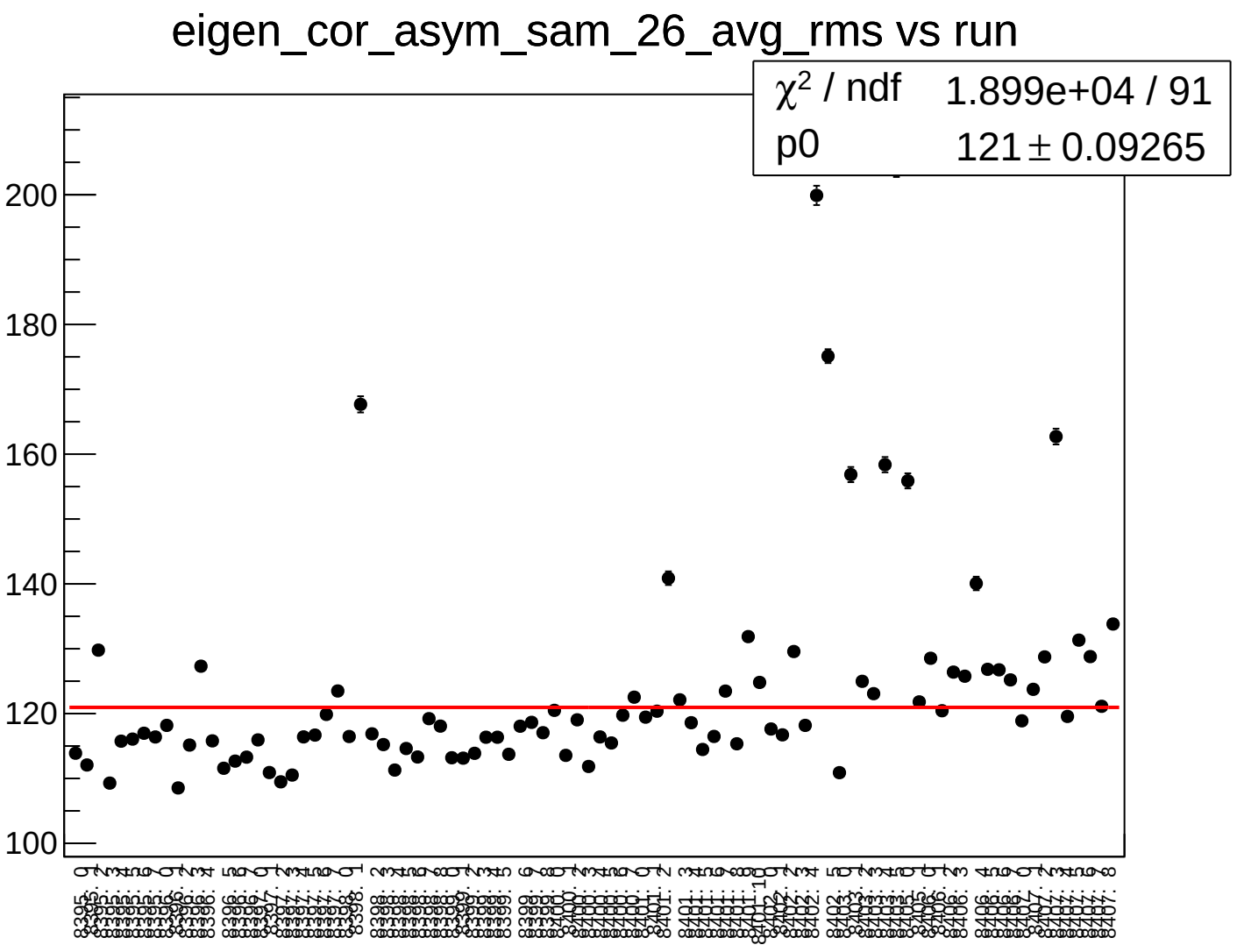

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 84.25 / 91
p0 −833 ± 1501
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 834.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

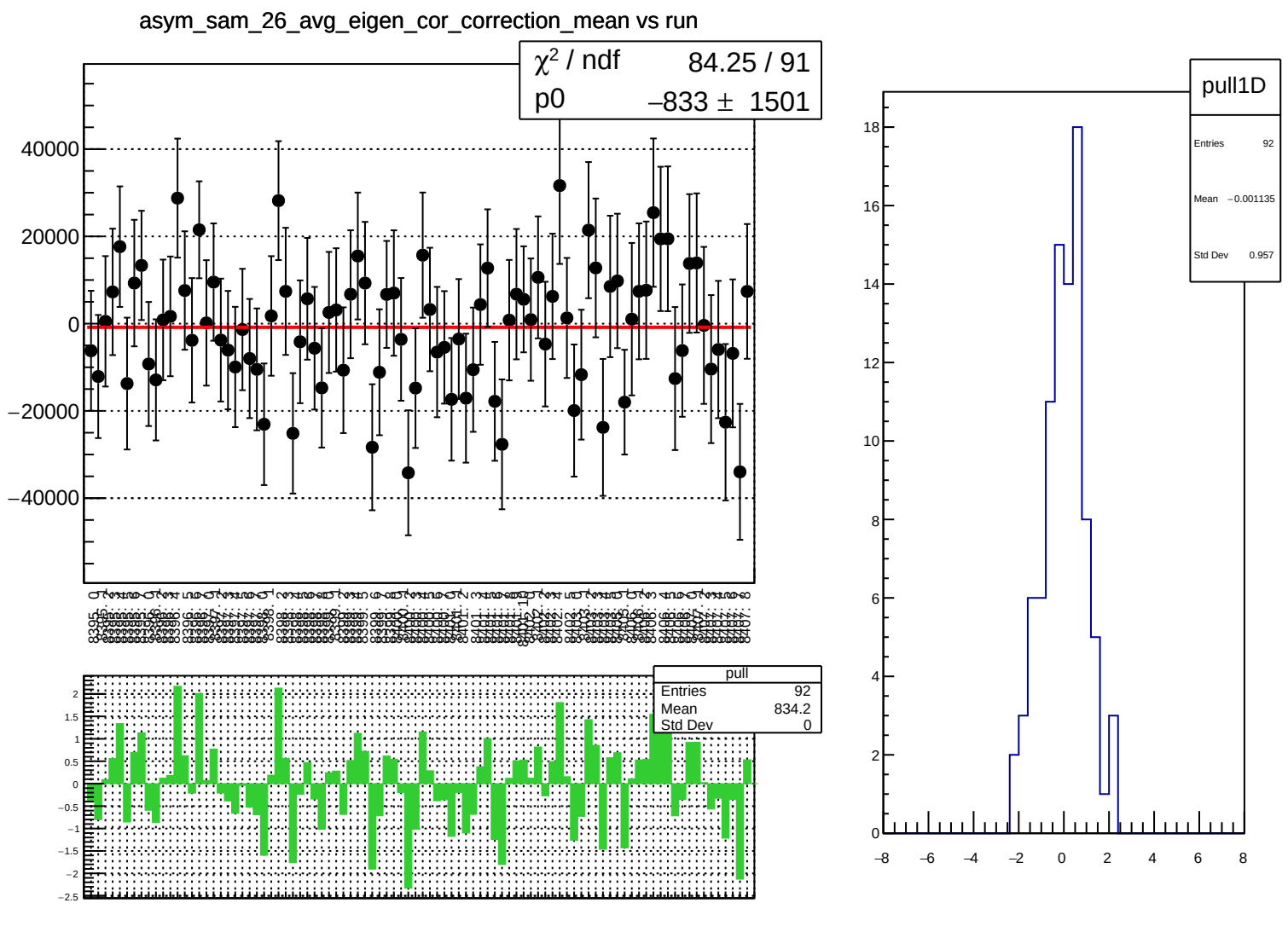

pull1D
Entries 92
Mean −0.001135
Std Dev 0.957
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

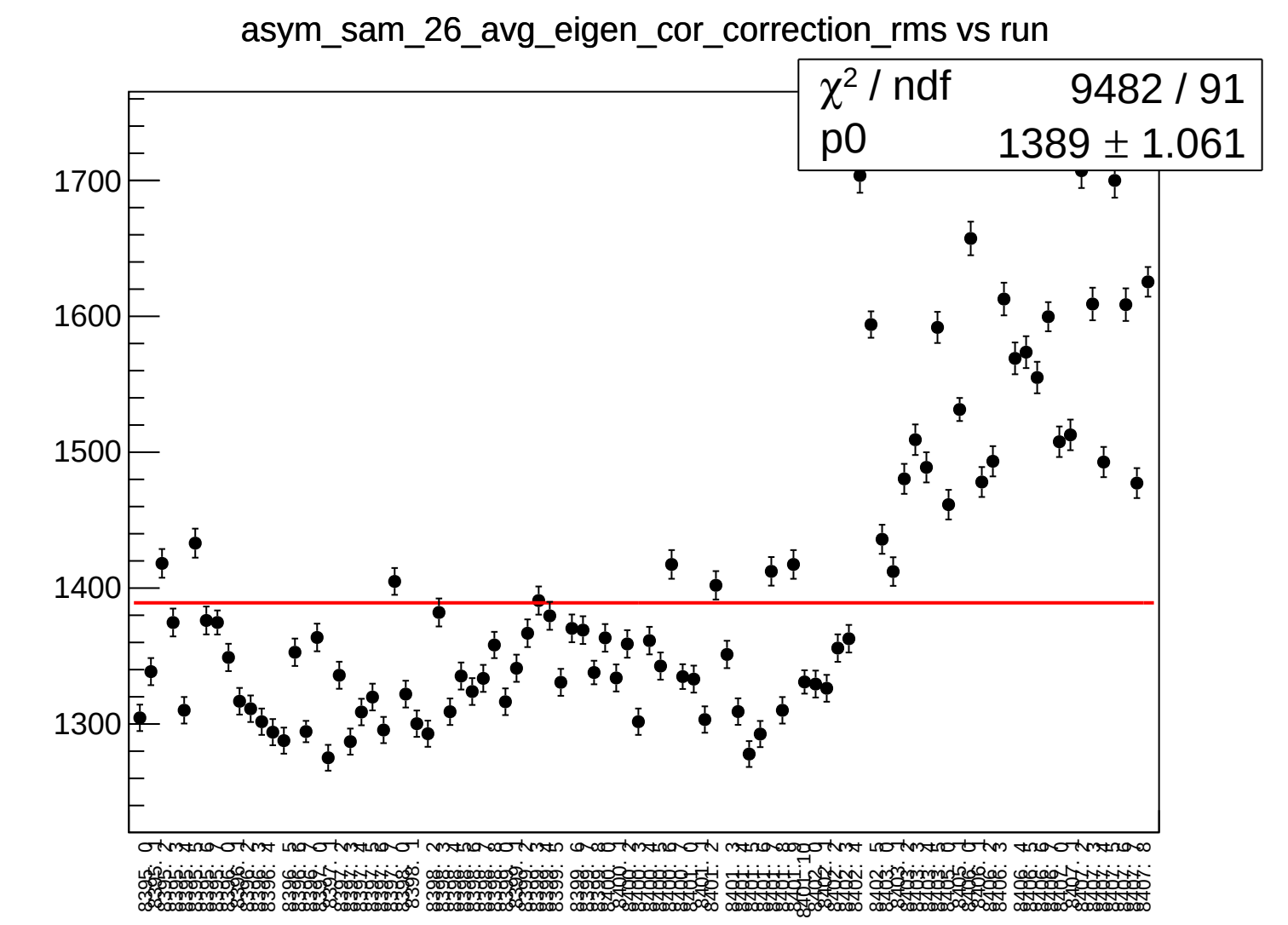

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 9482 / 91
p0 1389 ± 1.061
1700
1600
1500
1400
1300

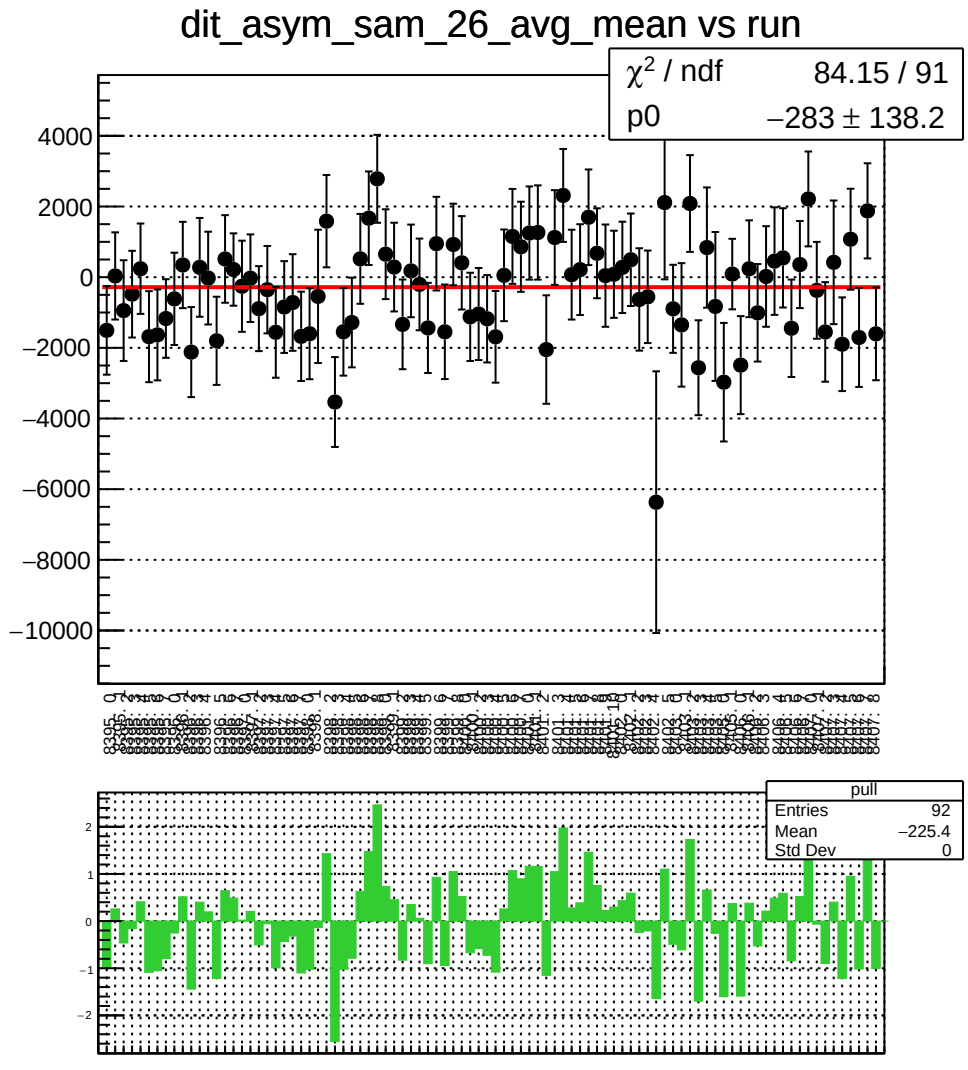

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 75.03 / 91
p0 −286.3 ± 131
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −615.7
Std Dev 0
2
1
0
−1
−2
−3

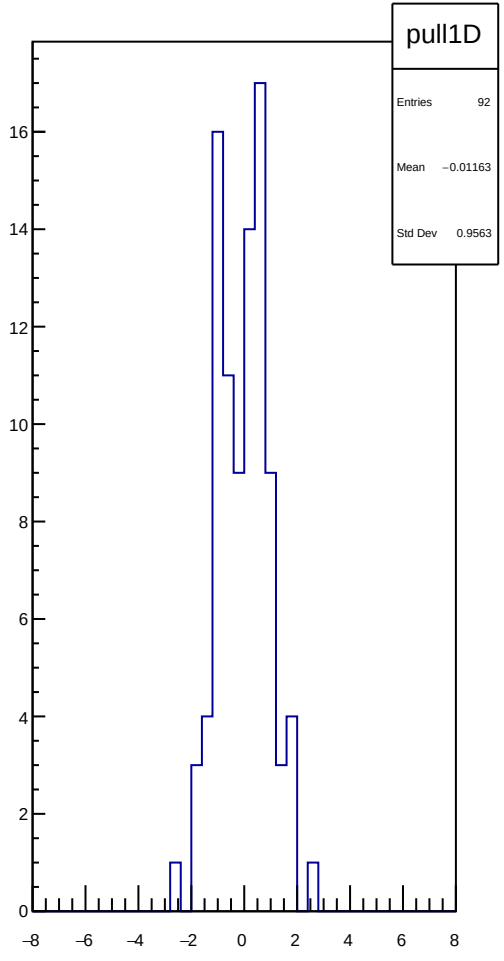

pull1D
Entries 92
Mean −0.006219
Std Dev 0.903
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

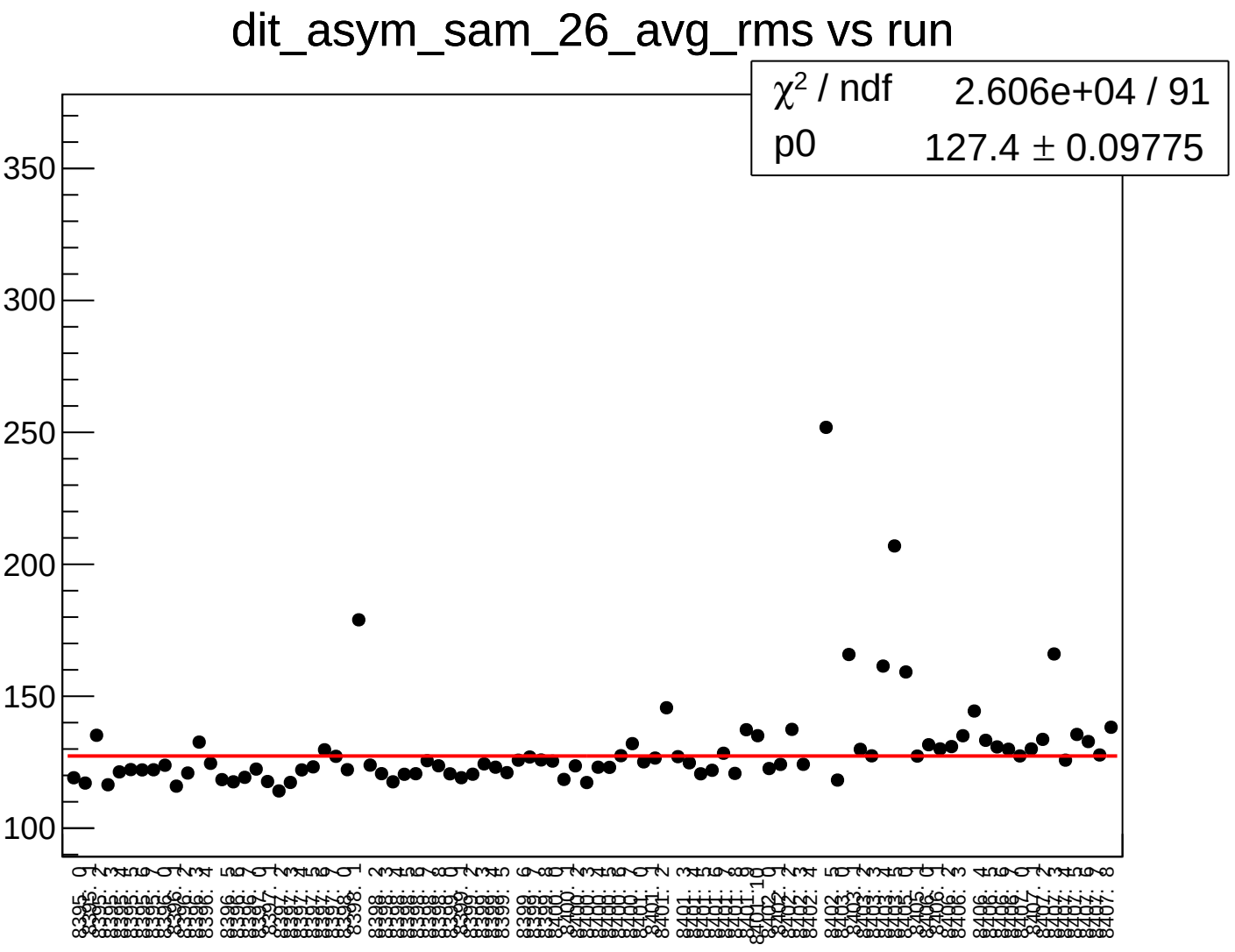

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.899e+04 / 91
p0 121 ± 0.09265
200
180
160
140
120
100

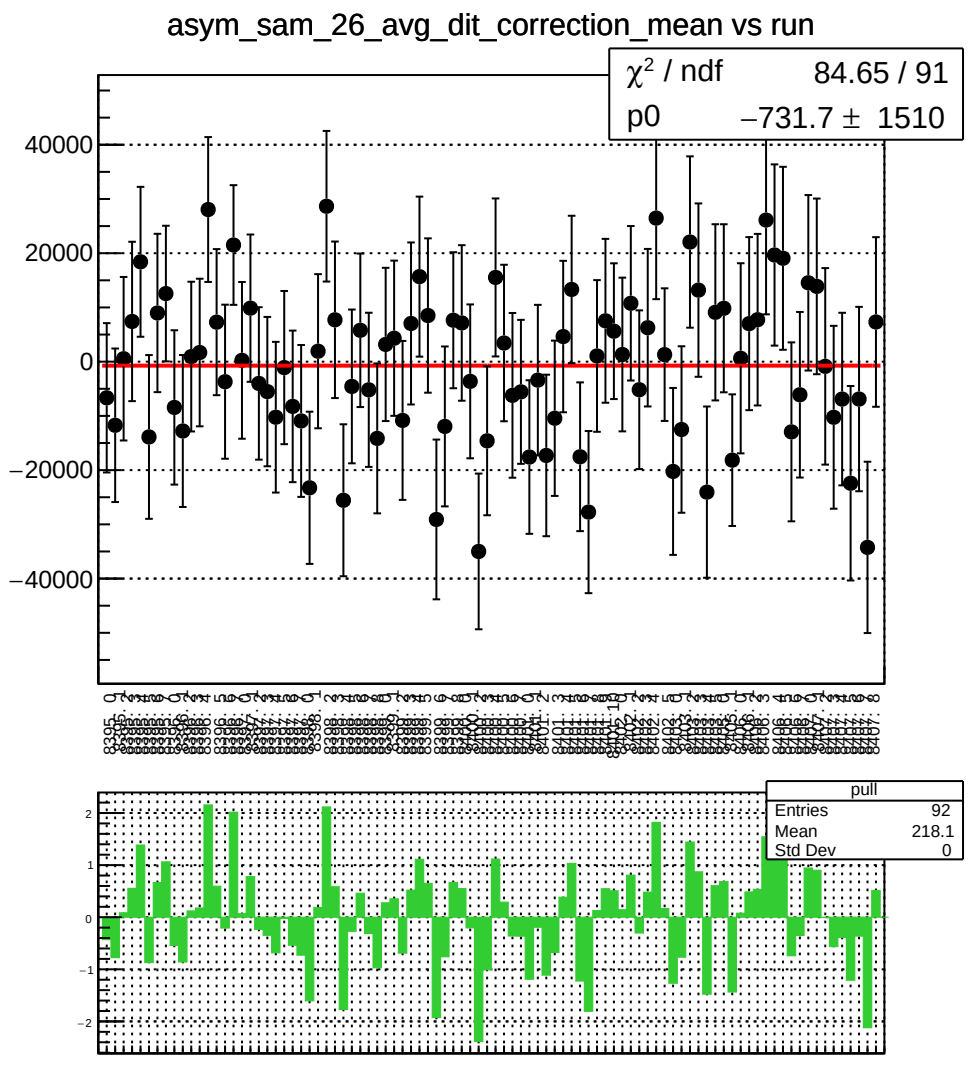

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.25 / 91
p0 −833 ± 1501
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 834.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001135
Std Dev 0.957
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

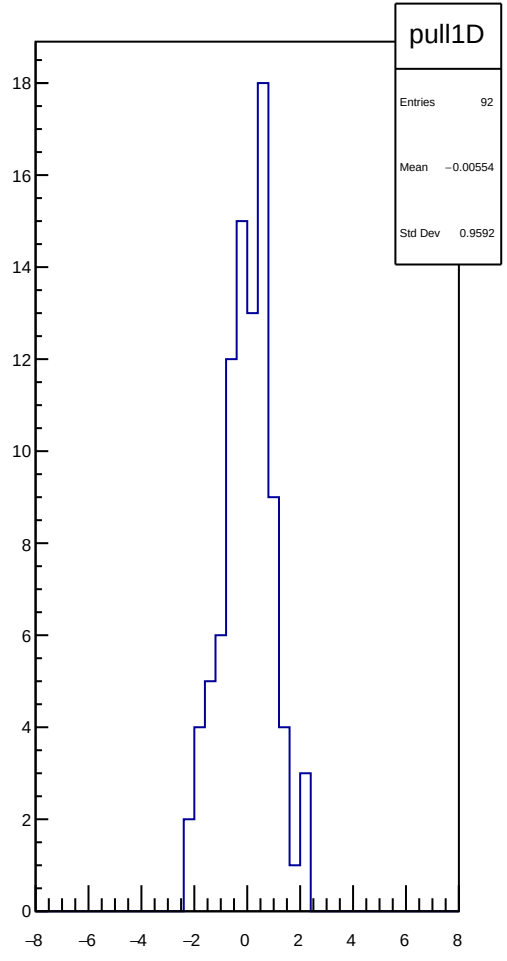

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 9482 / 91
p0 1389 ± 1.061
1700
1600
1500
1400
1300

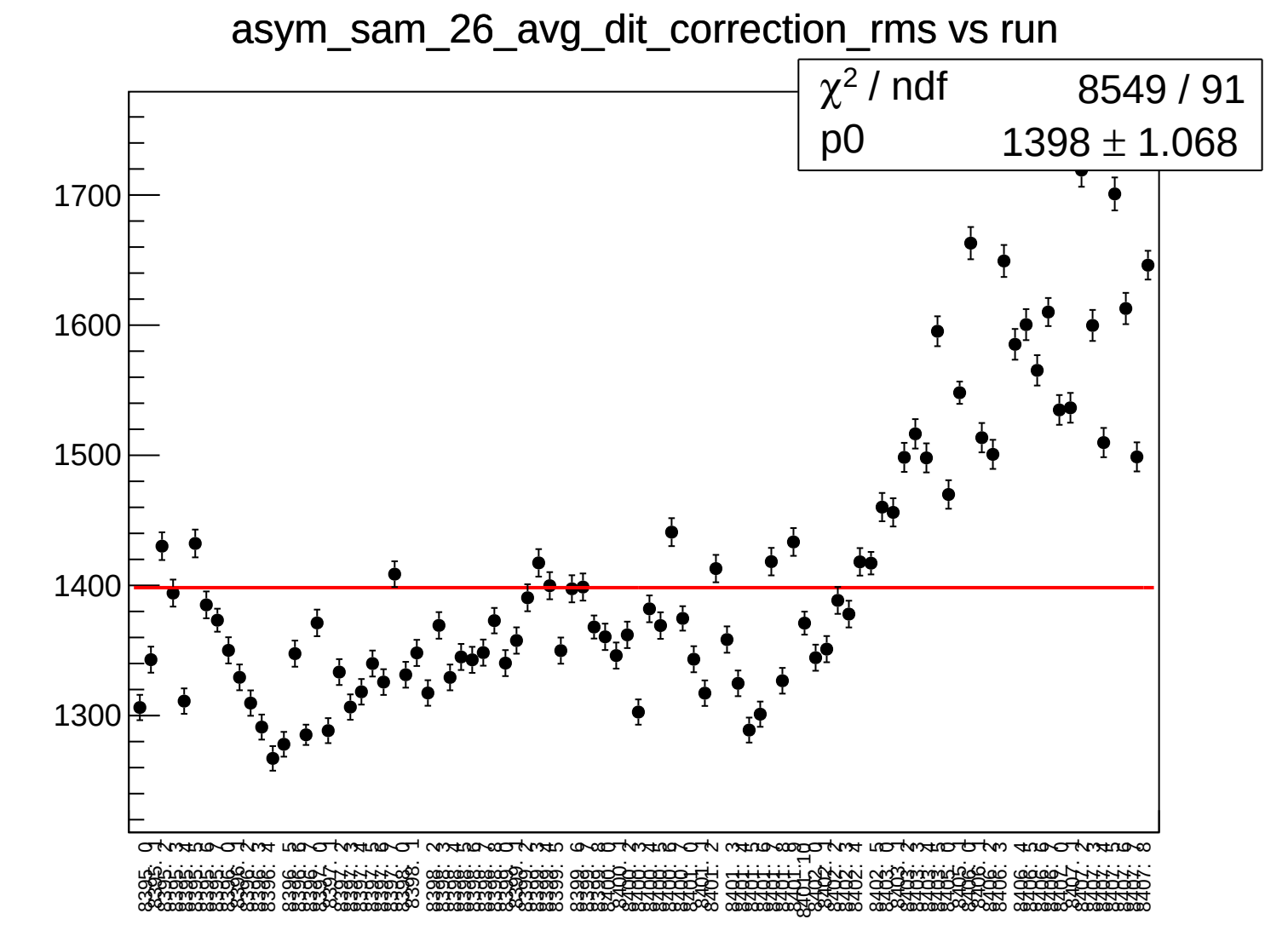

dit_asym_sam_26_avg_mean vs run
χ² / ndf 84.15 / 91
p0 −283 ± 138.2
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean −225.4
Std Dev 0
2
1
0
−1
−2

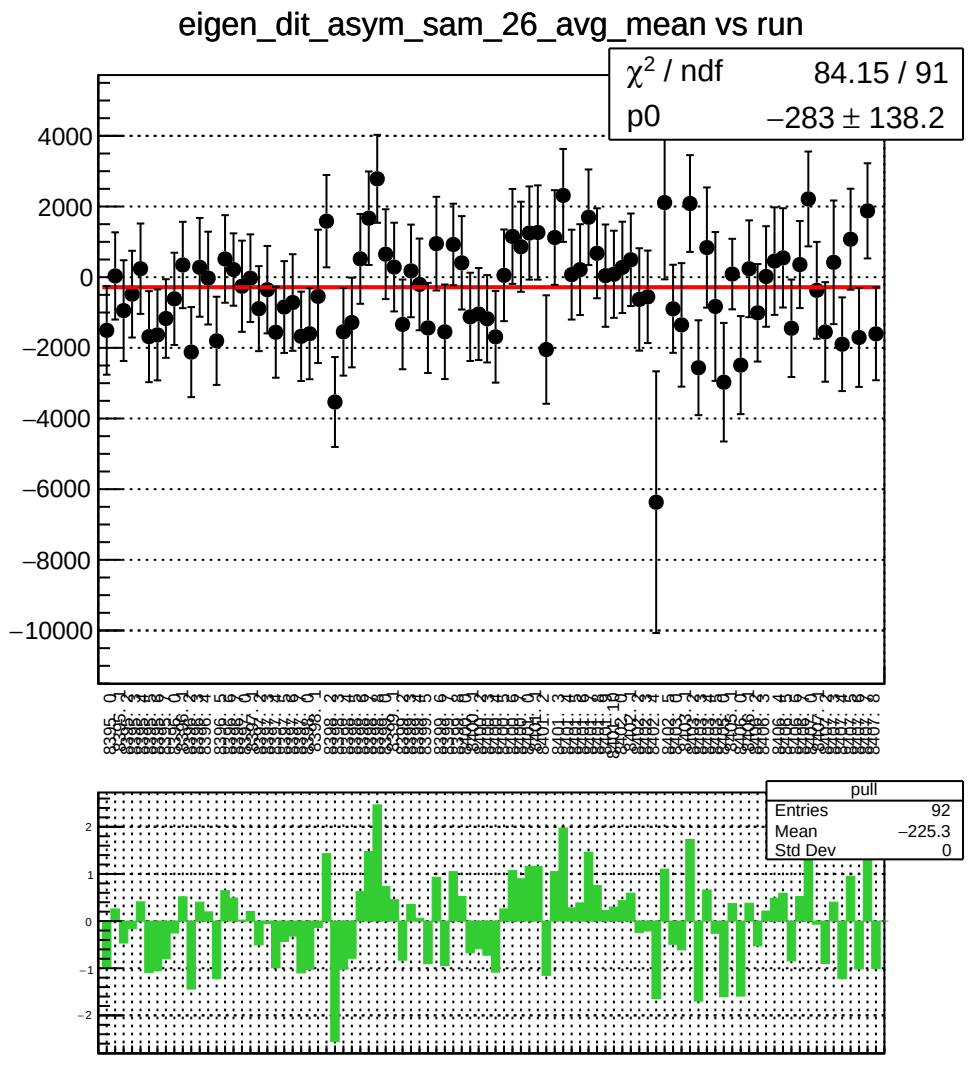

pull1D
Entries 92
Mean −0.01163
Std Dev 0.9563
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

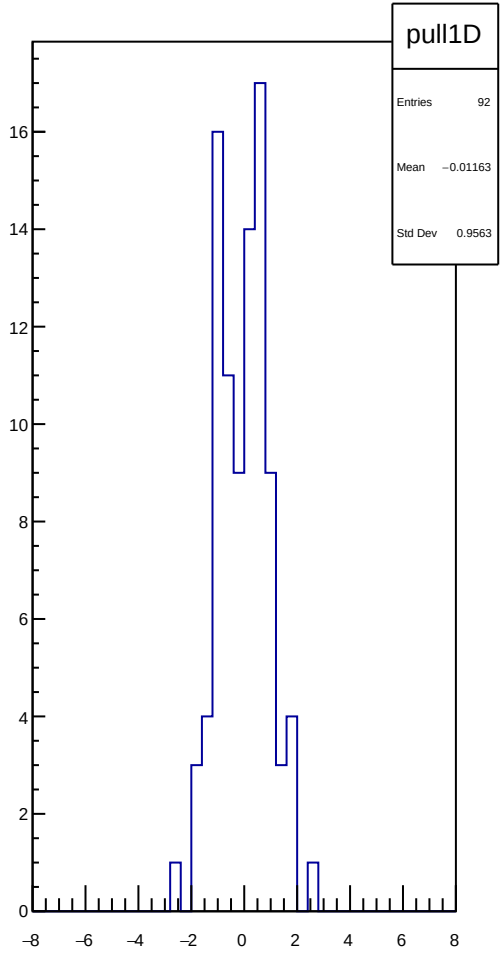

dit_asym_sam_26_avg_rms vs run
$\chi^2$ / ndf 2.606e+04 / 91
p0 127.4 ± 0.09775
350
300
250
200
150
100

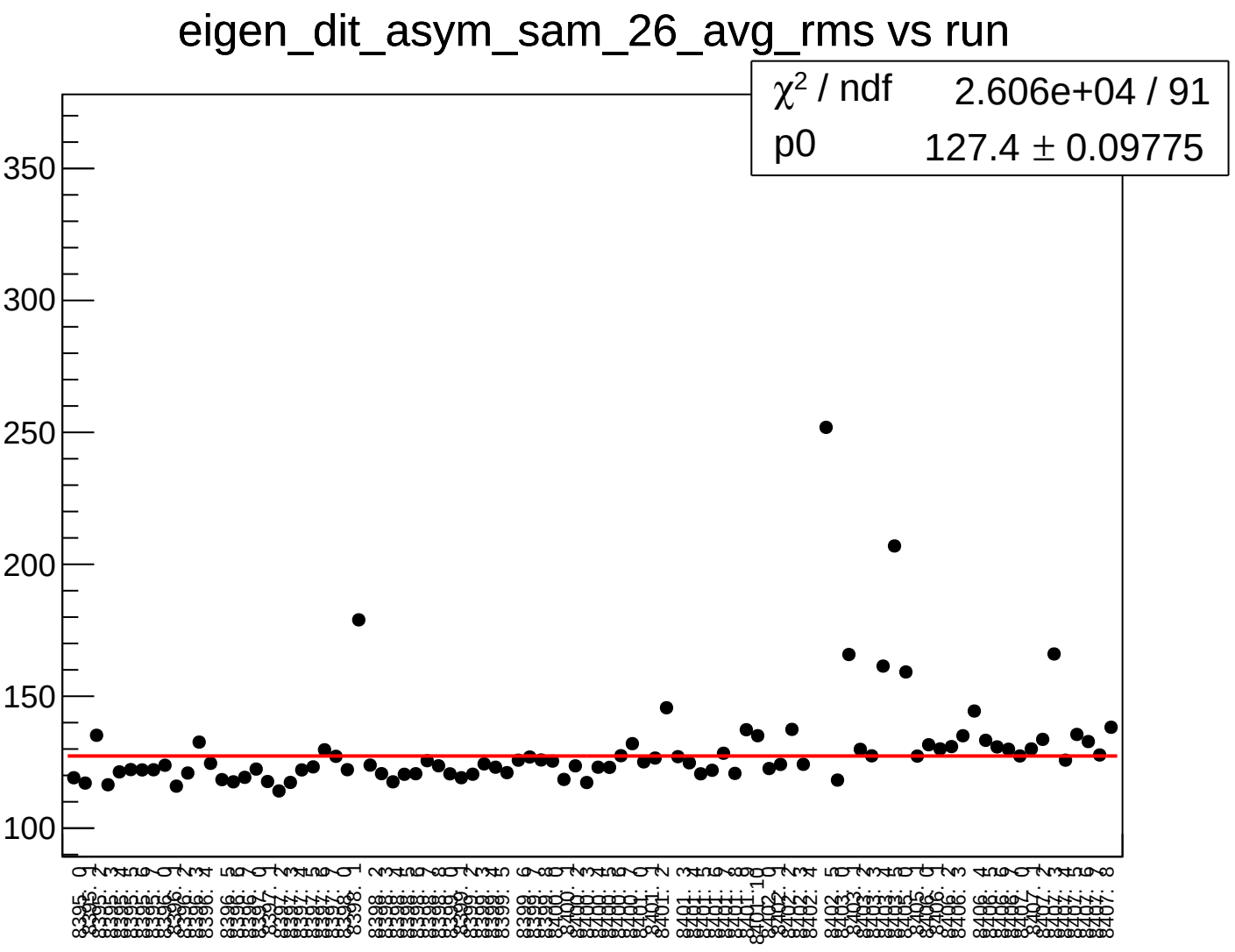

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 84.65 / 91
p0 −731.7 ± 1510
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 218.1
Std Dev 0
2
1
0
−1
−2

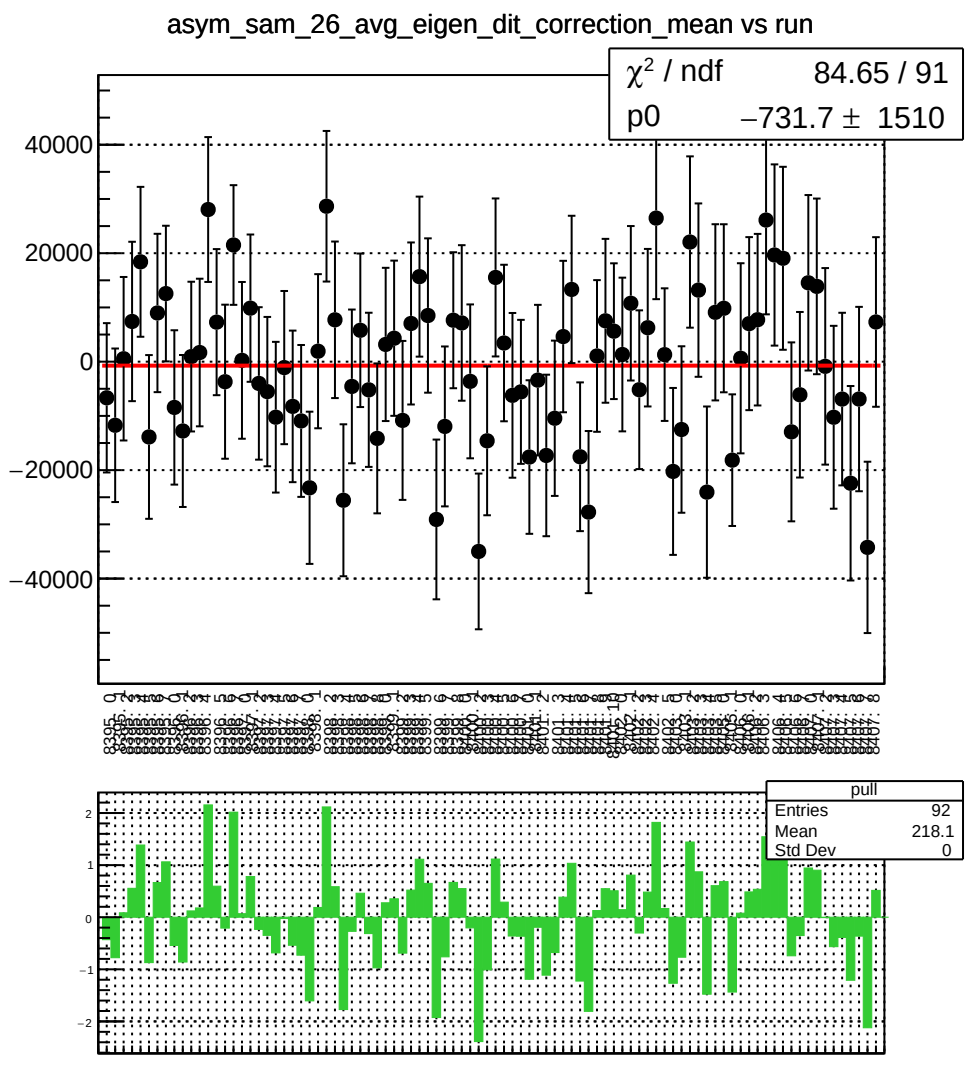

pull1D
Entries 92
Mean −0.00554
Std Dev 0.9592
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

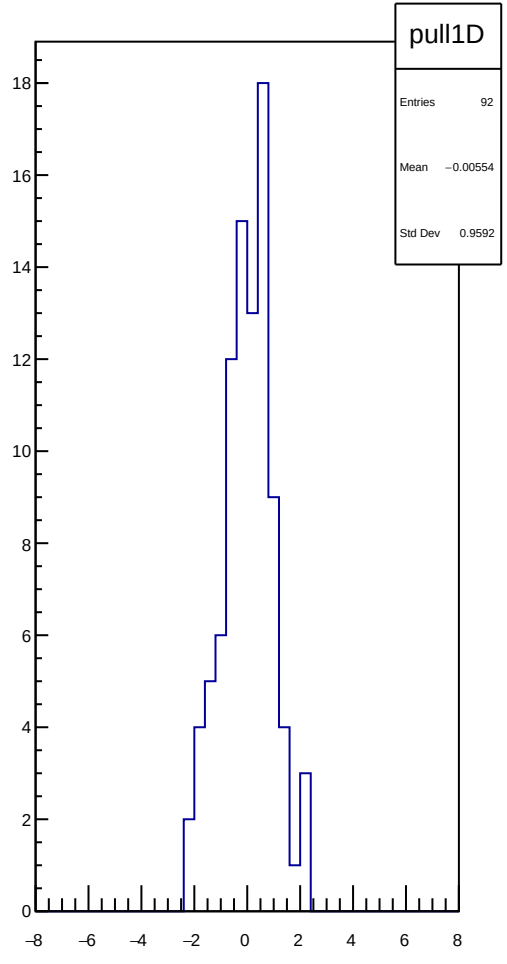

asym_sam_26_avg_dit_correction_rms vs run
$\chi^2$ / ndf 8549 / 91
p0 1398 ± 1.068
1700
1600
1500
1400
1300

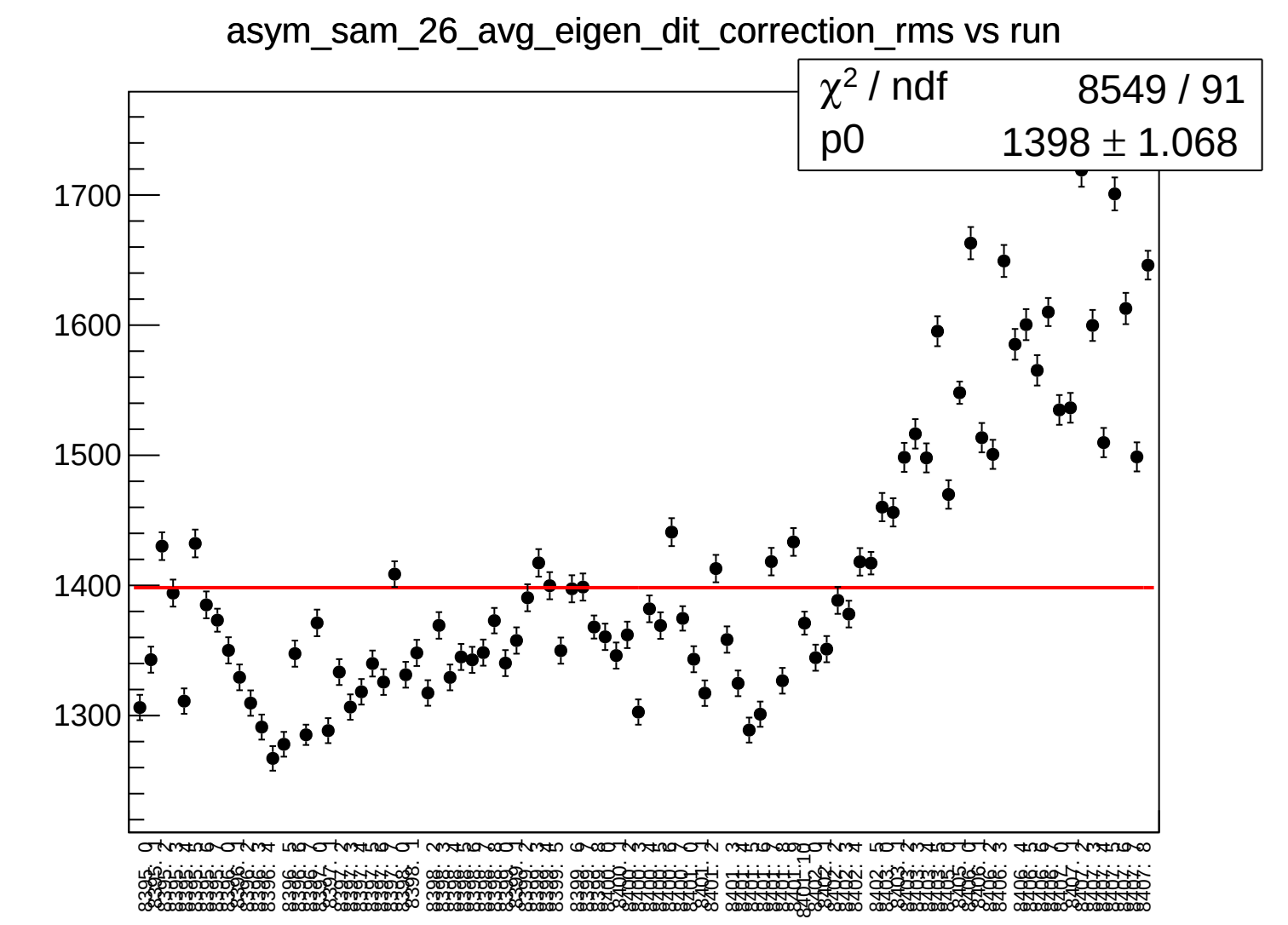

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 84.15 / 91
p0 −283 ± 138.2
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean −225.3
Std Dev 0
2
1
0
−1
−2

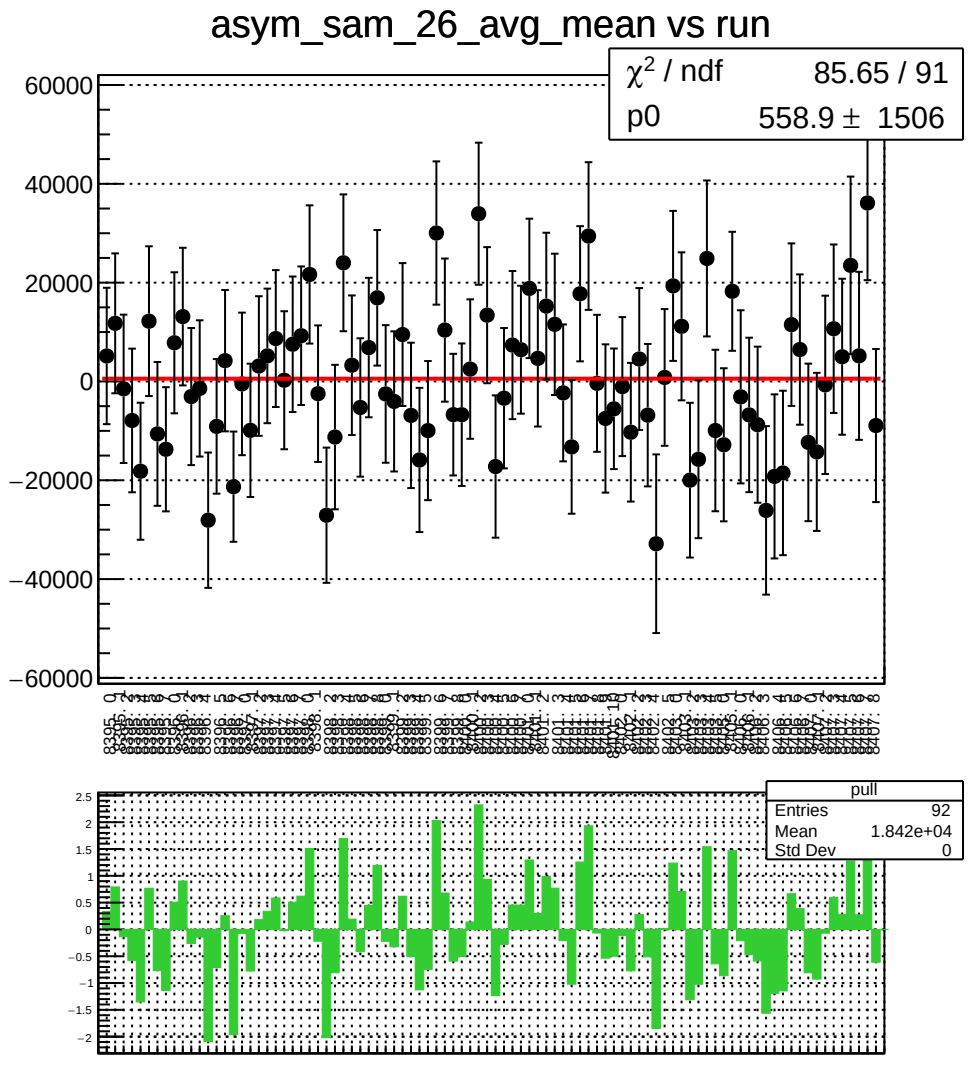

pull1D
Entries 92
Mean −0.01163
Std Dev 0.9563
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

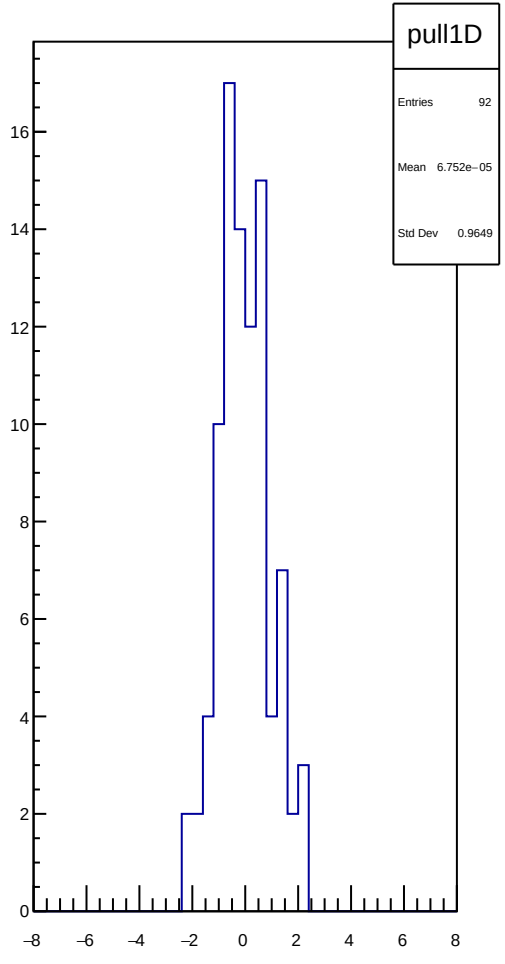

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.606e+04 / 91
p0 127.4 ± 0.09775
350
300
250
200
150
100

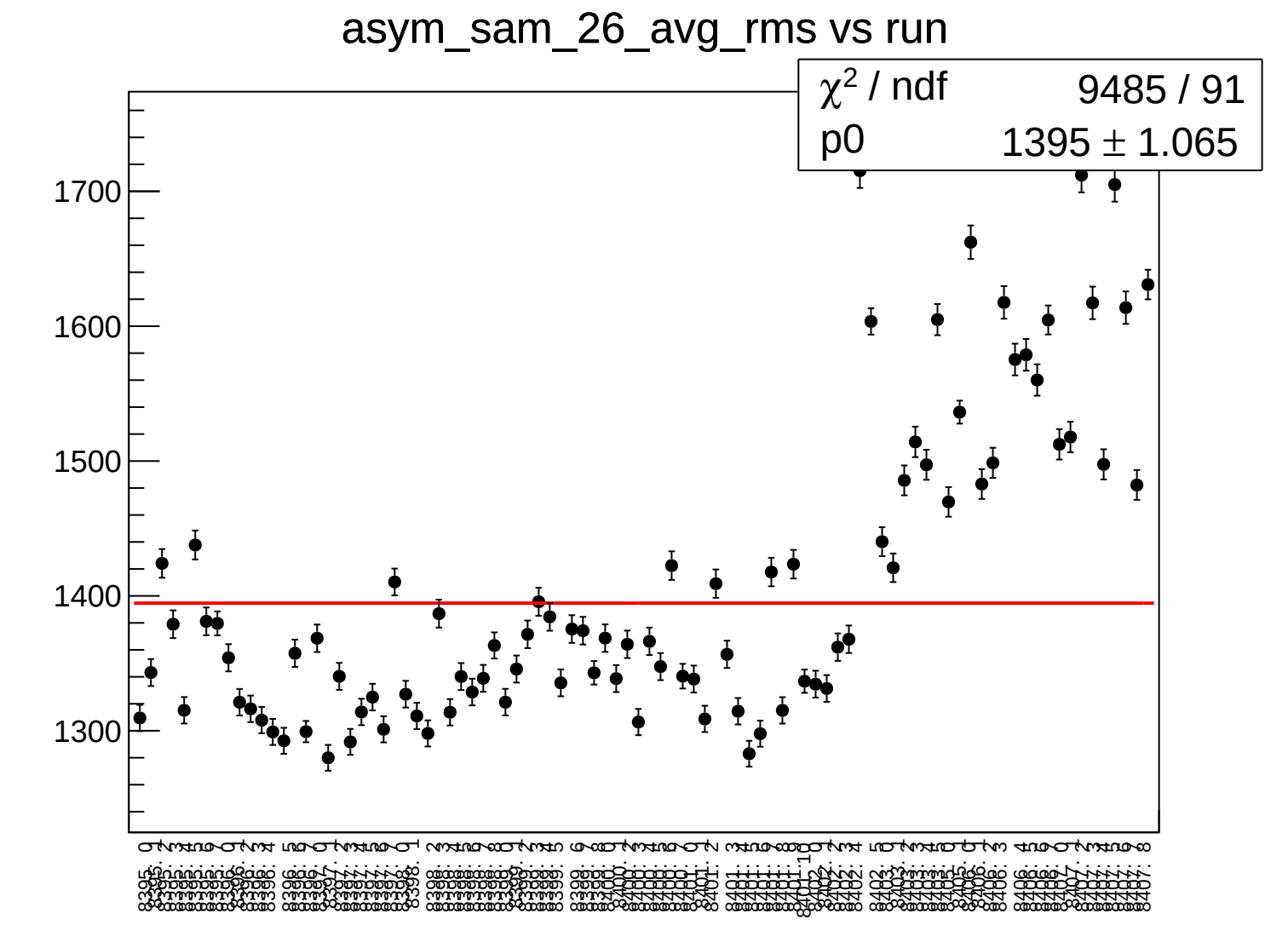

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.65 / 91
p0 −731.7 ± 1510
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 218.1
Std Dev 0
2
1
0
−1
−2

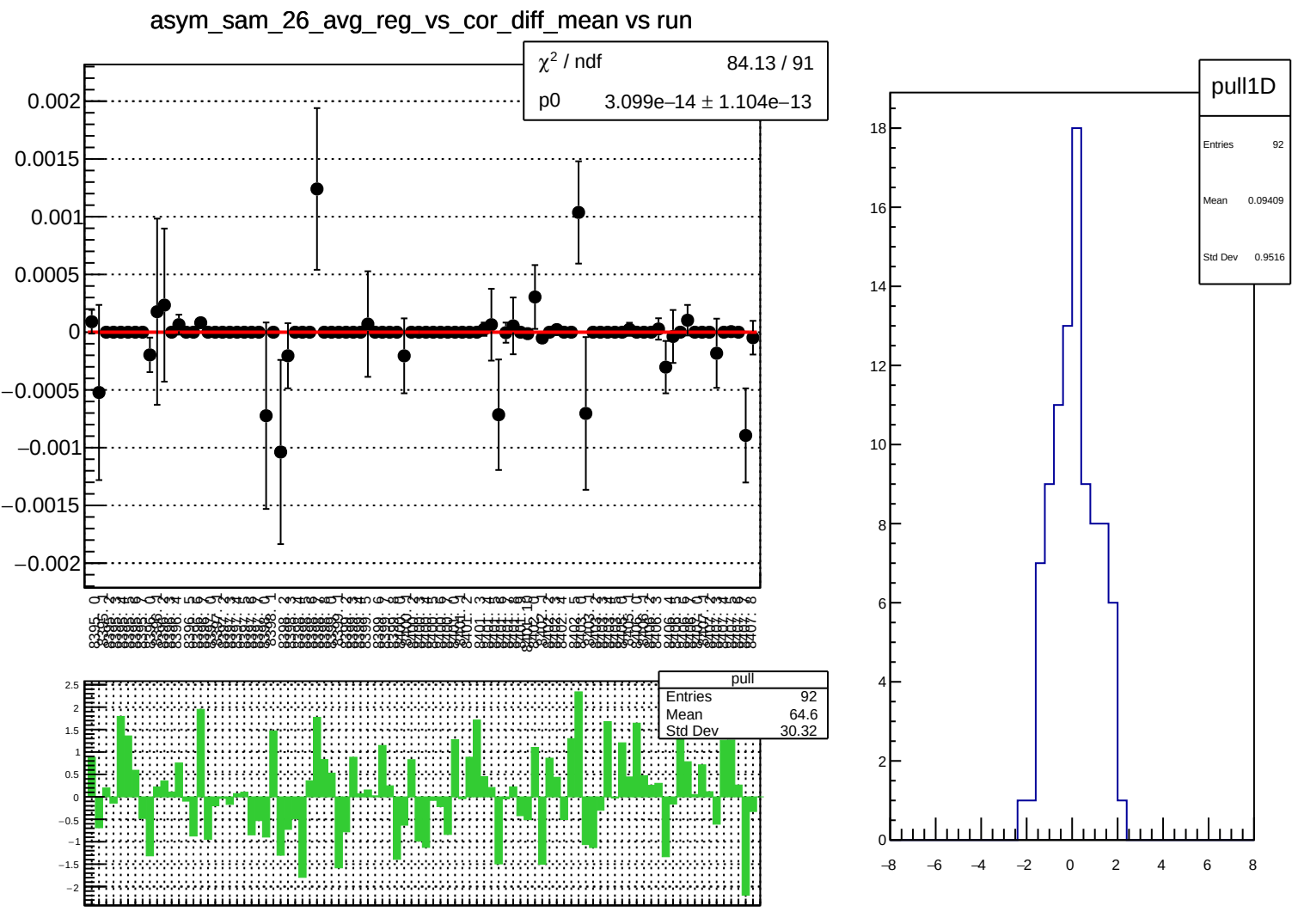

pull1D
Entries 92
Mean −0.00554
Std Dev 0.9592
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

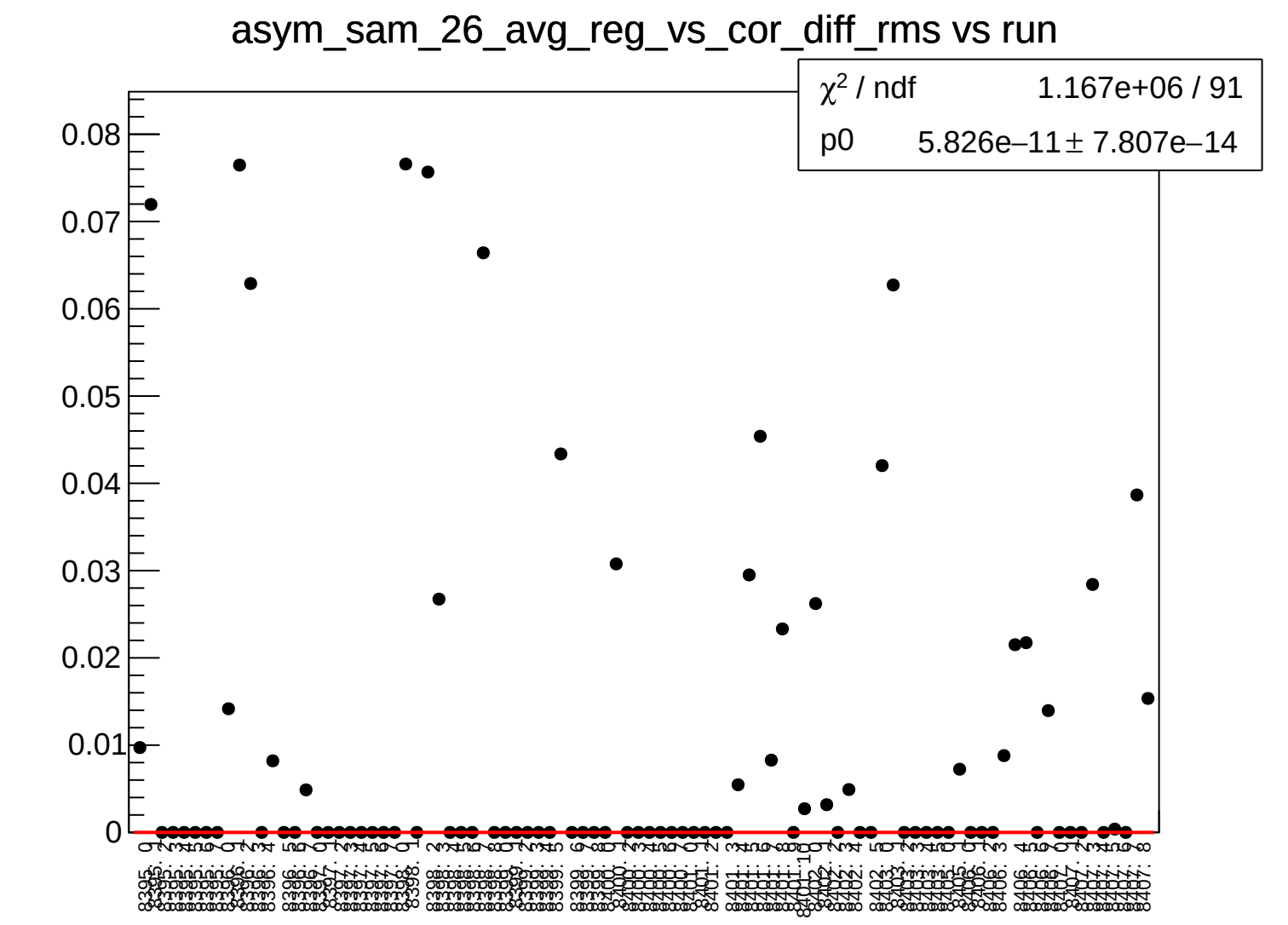

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 8549 / 91
p0 1398 ± 1.068
1700
1600
1500
1400
1300

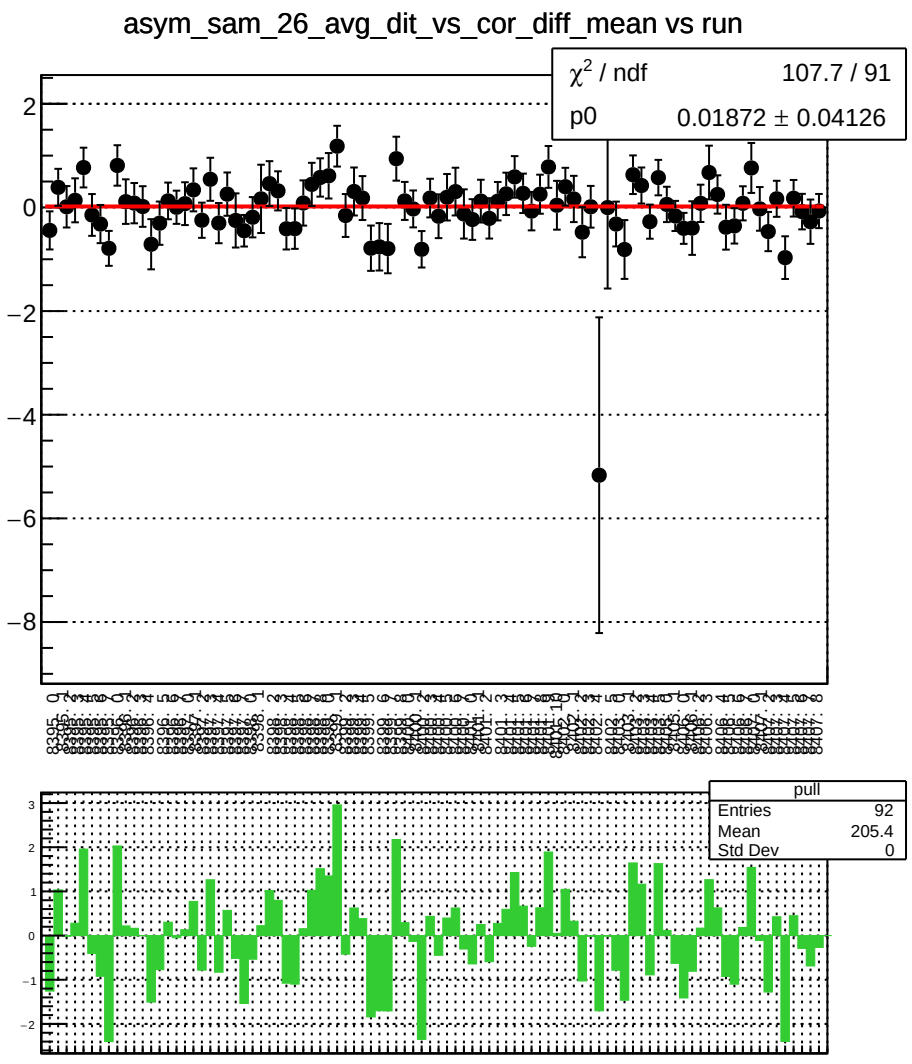

asym_sam_26_avg_mean vs run
χ² / ndf 85.65 / 91
p0 558.9 ± 1506
pull
Entries 92
Mean 1.842e+04
Std Dev 0

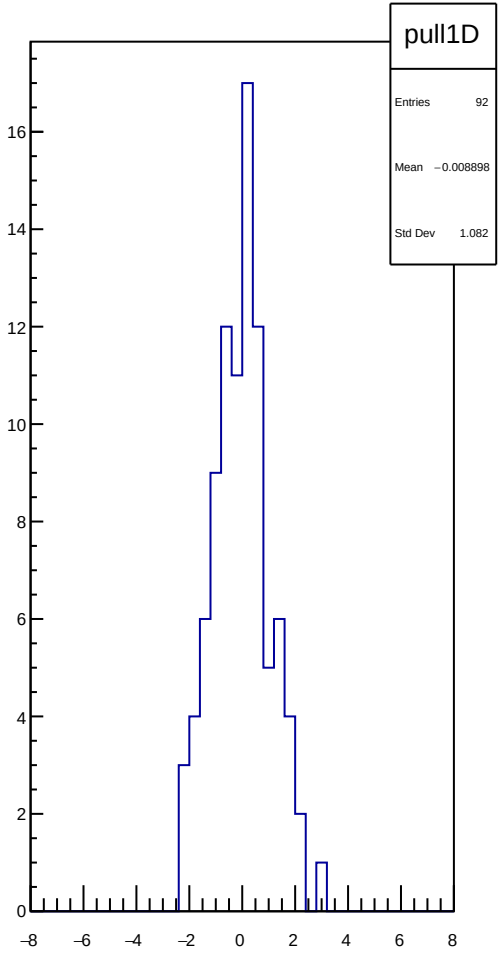

pull1D
Entries 92
Mean 6.752e−05
Std Dev 0.9649

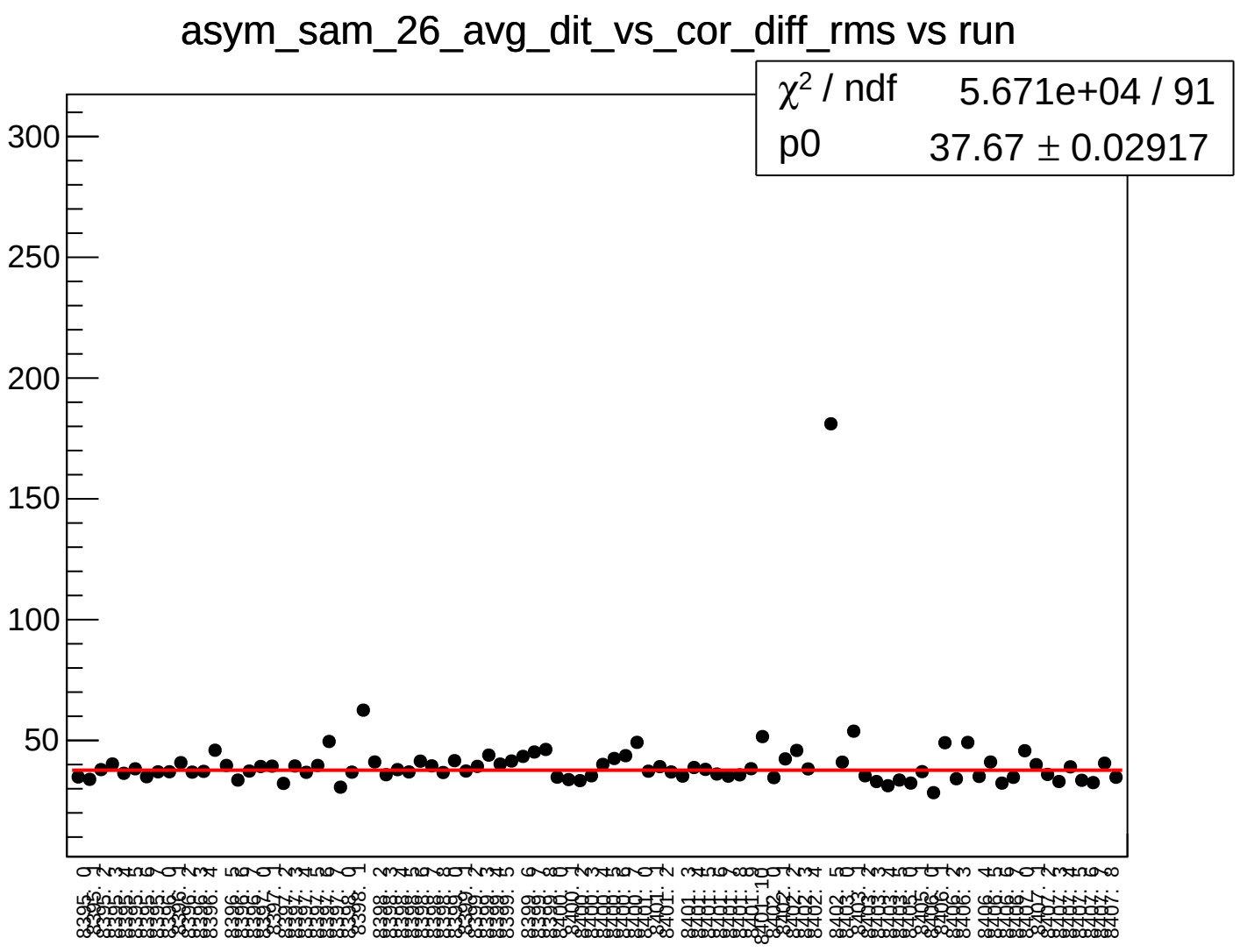

asym_sam_26_avg_rms vs run
$\chi^2$ / ndf 9485 / 91
p0 1395 ± 1.065
1700
1600
1500
1400
1300

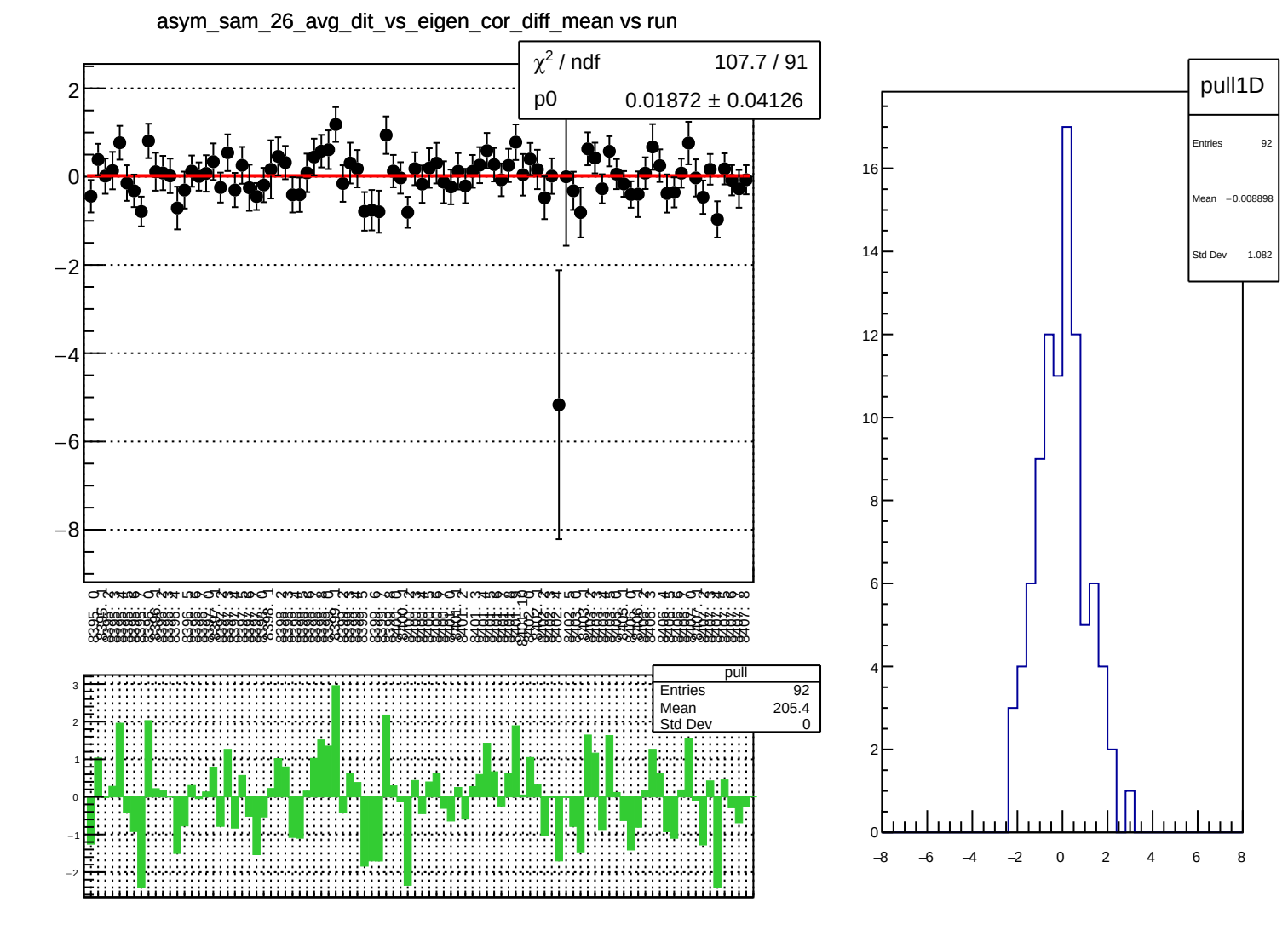

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.13 / 91
p0 3.099e−14 ± 1.104e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 92
Mean 64.6
Std Dev 30.32
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.09409
Std Dev 0.9516
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

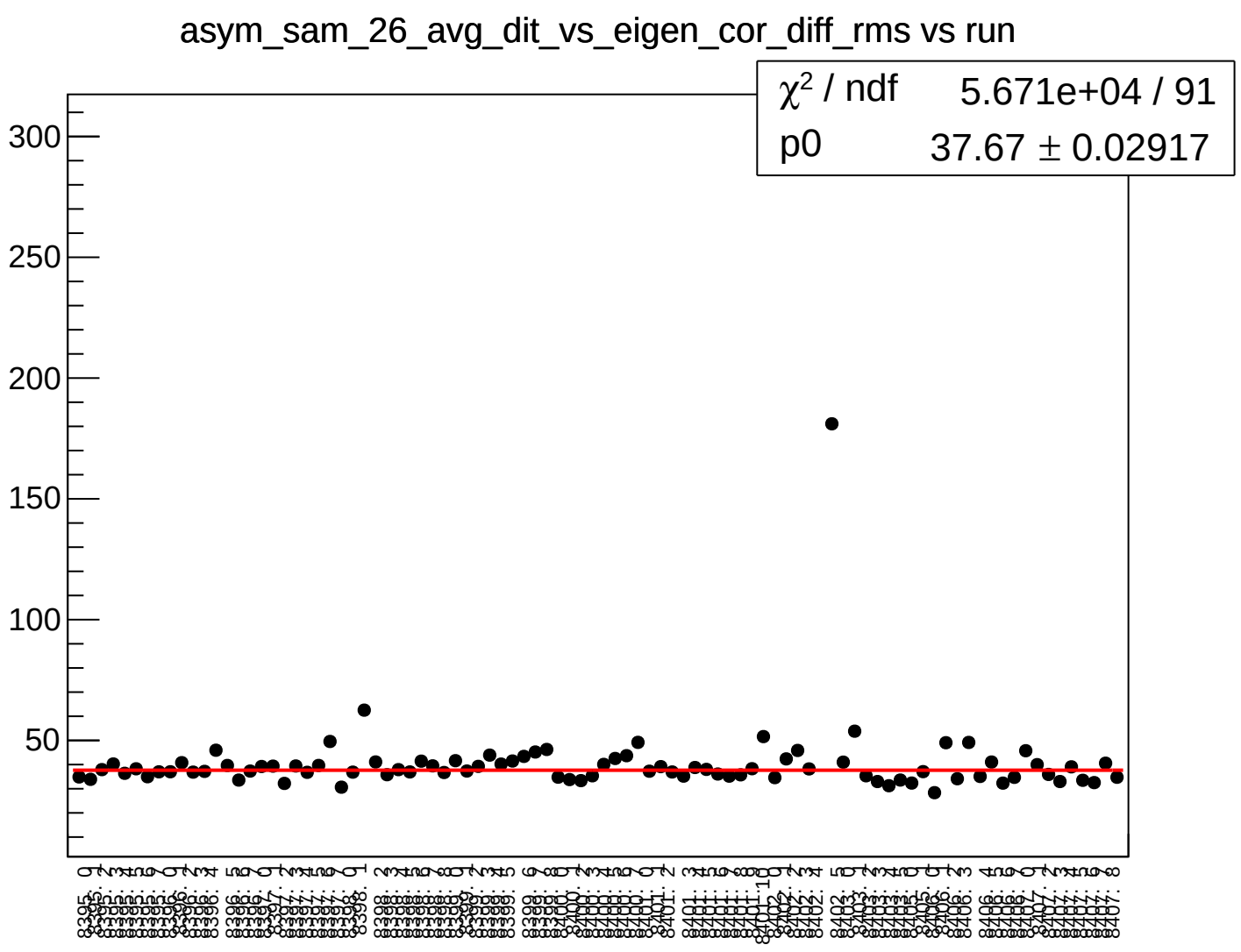

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.167e+06 / 91
p0 5.826e−11 ± 7.807e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

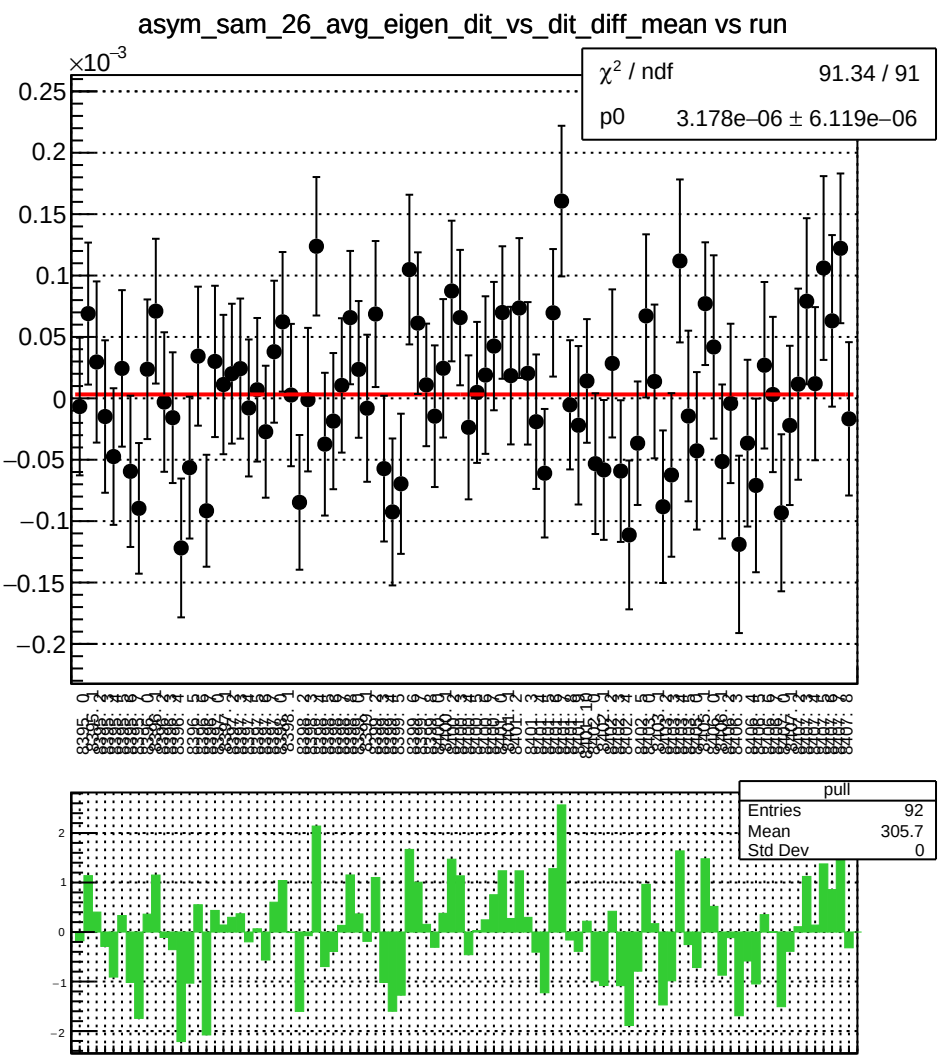

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 107.7 / 91
p0 0.01872 ± 0.04126
pull
Entries 92
Mean 205.4
Std Dev 0

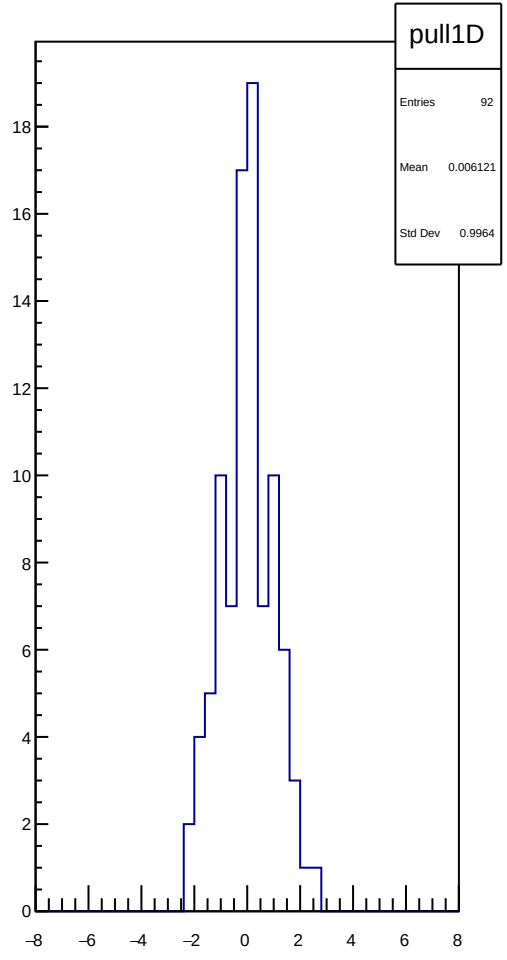

pull1D
Entries 92
Mean −0.008898
Std Dev 1.082

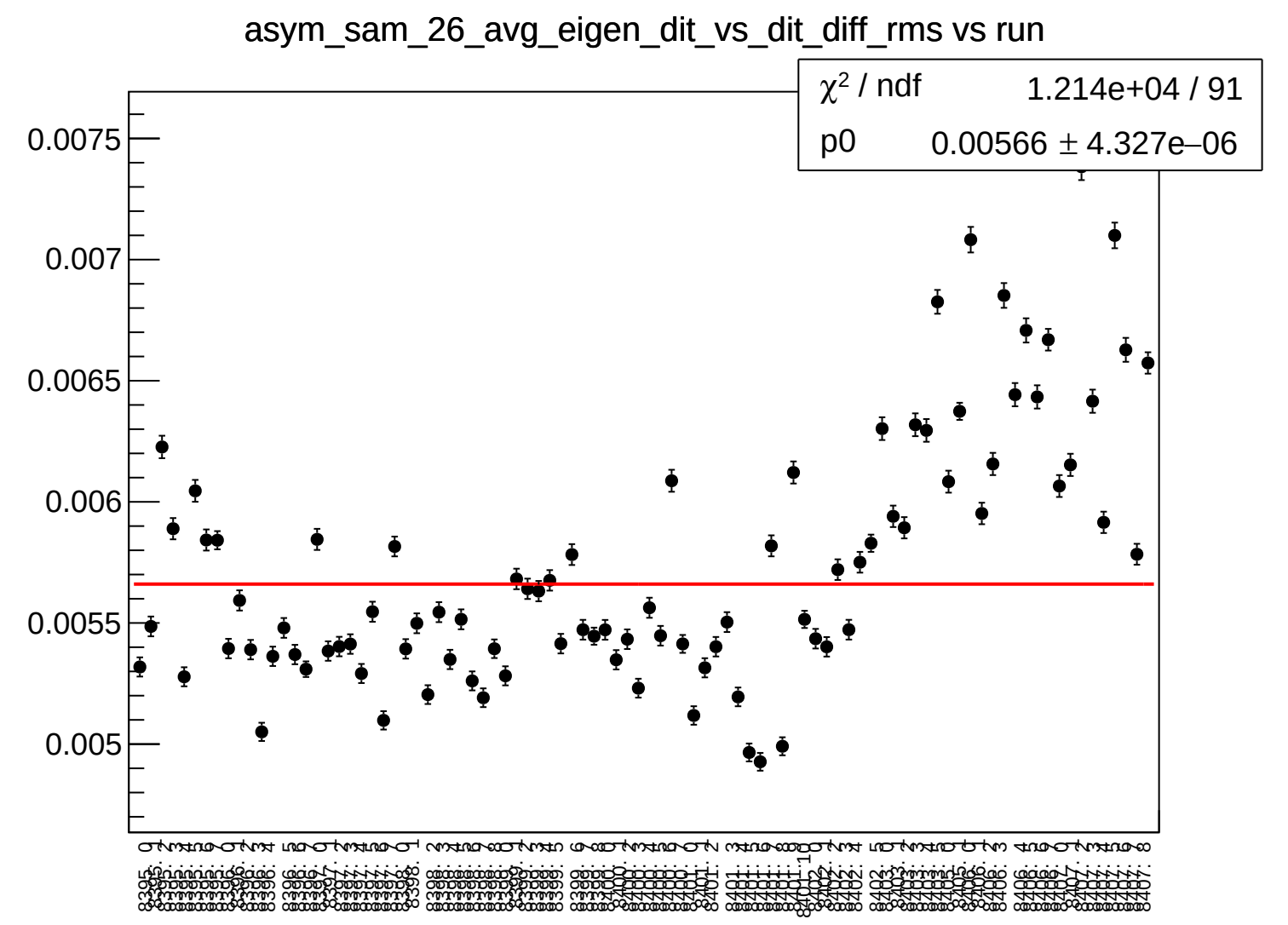

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.671e+04 / 91
p0 37.67 ± 0.02917
300
250
200
150
100
50

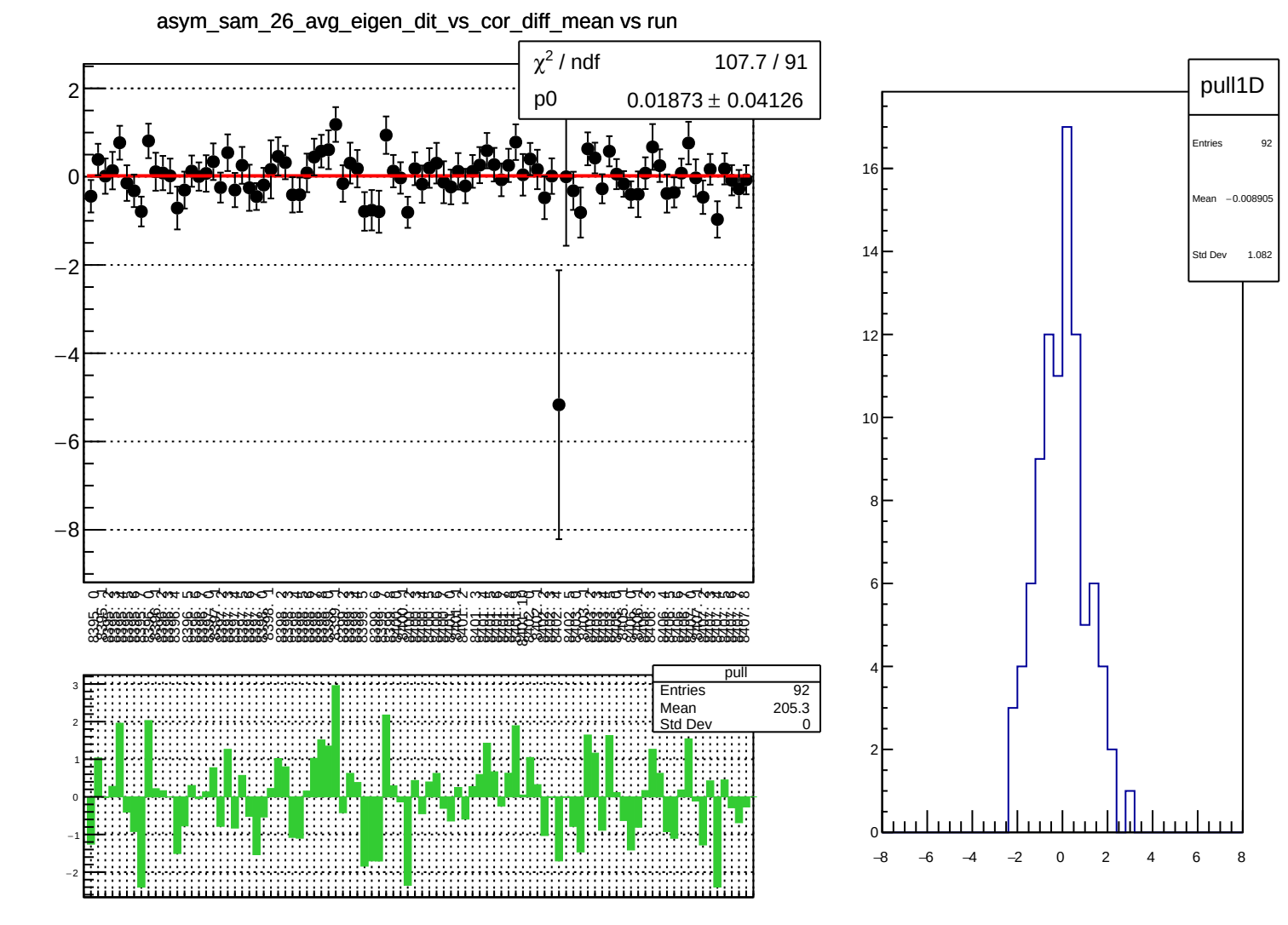

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.7 / 91
p0 0.01872 ± 0.04126
pull
Entries 92
Mean 205.4
Std Dev 0
pull1D
Entries 92
Mean −0.008898
Std Dev 1.082

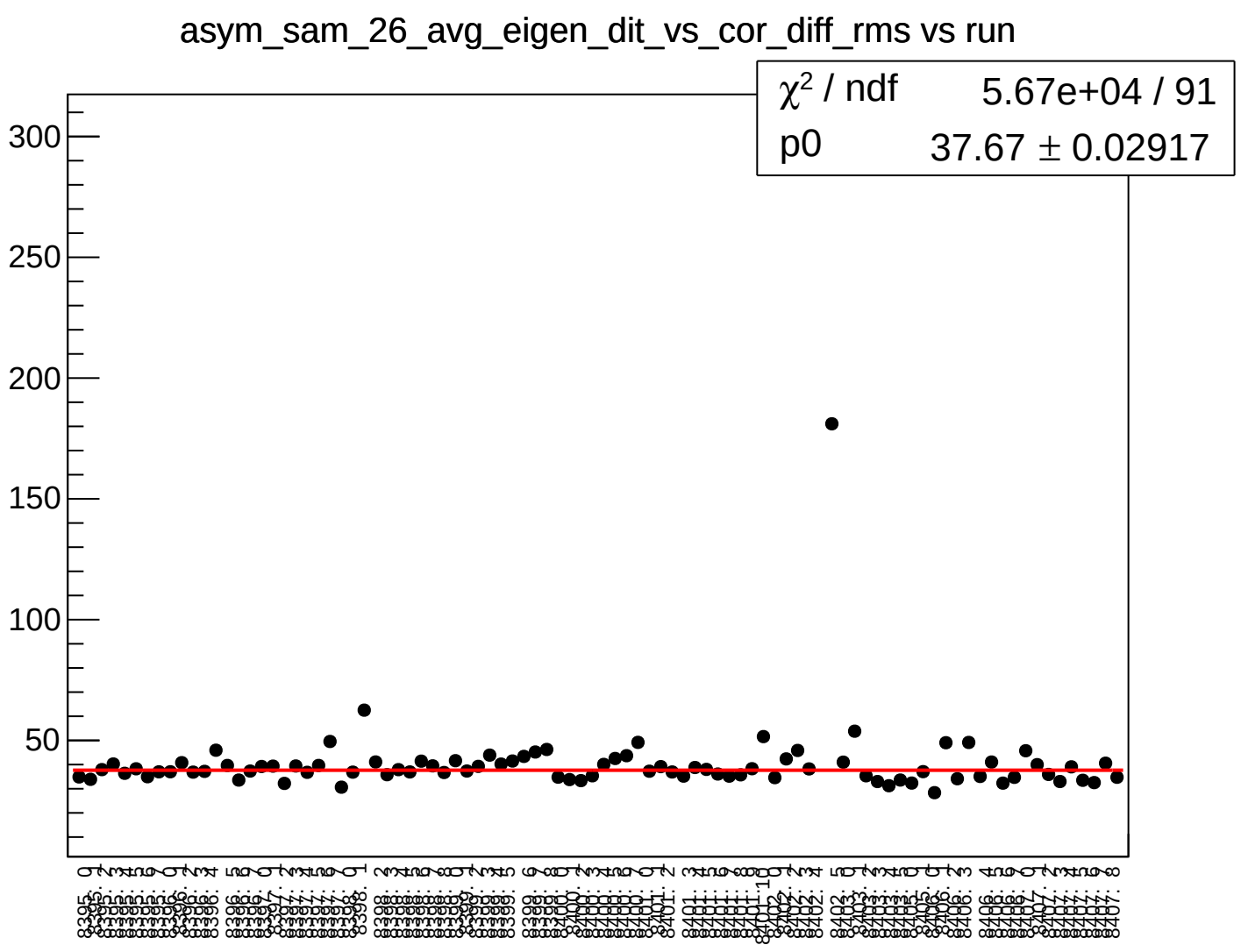

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.671e+04 / 91
p0 37.67 ± 0.02917
300
250
200
150
100
50

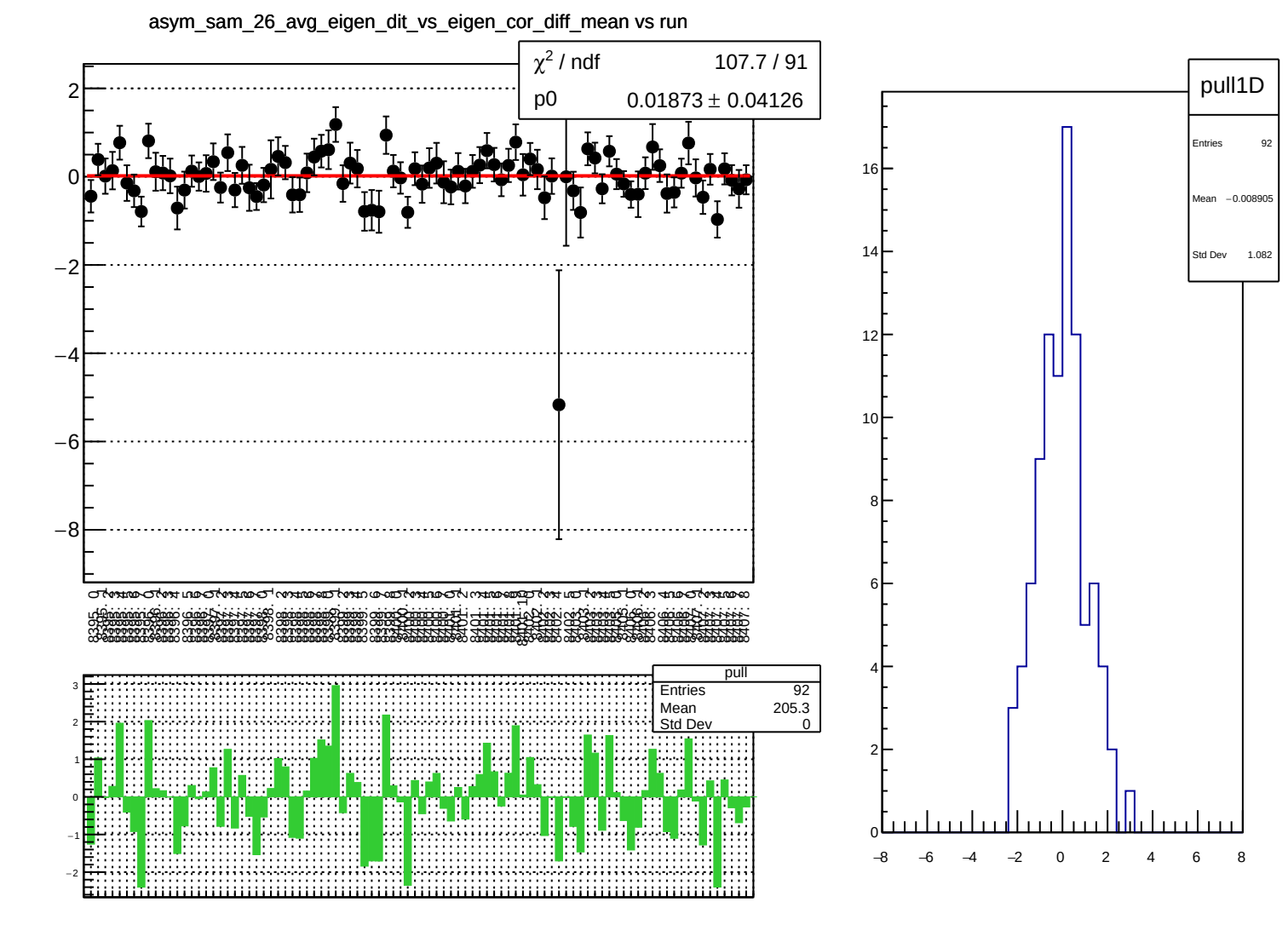

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.34 / 91
p0 3.178e−06 ± 6.119e−06
pull
Entries 92
Mean 305.7
Std Dev 0

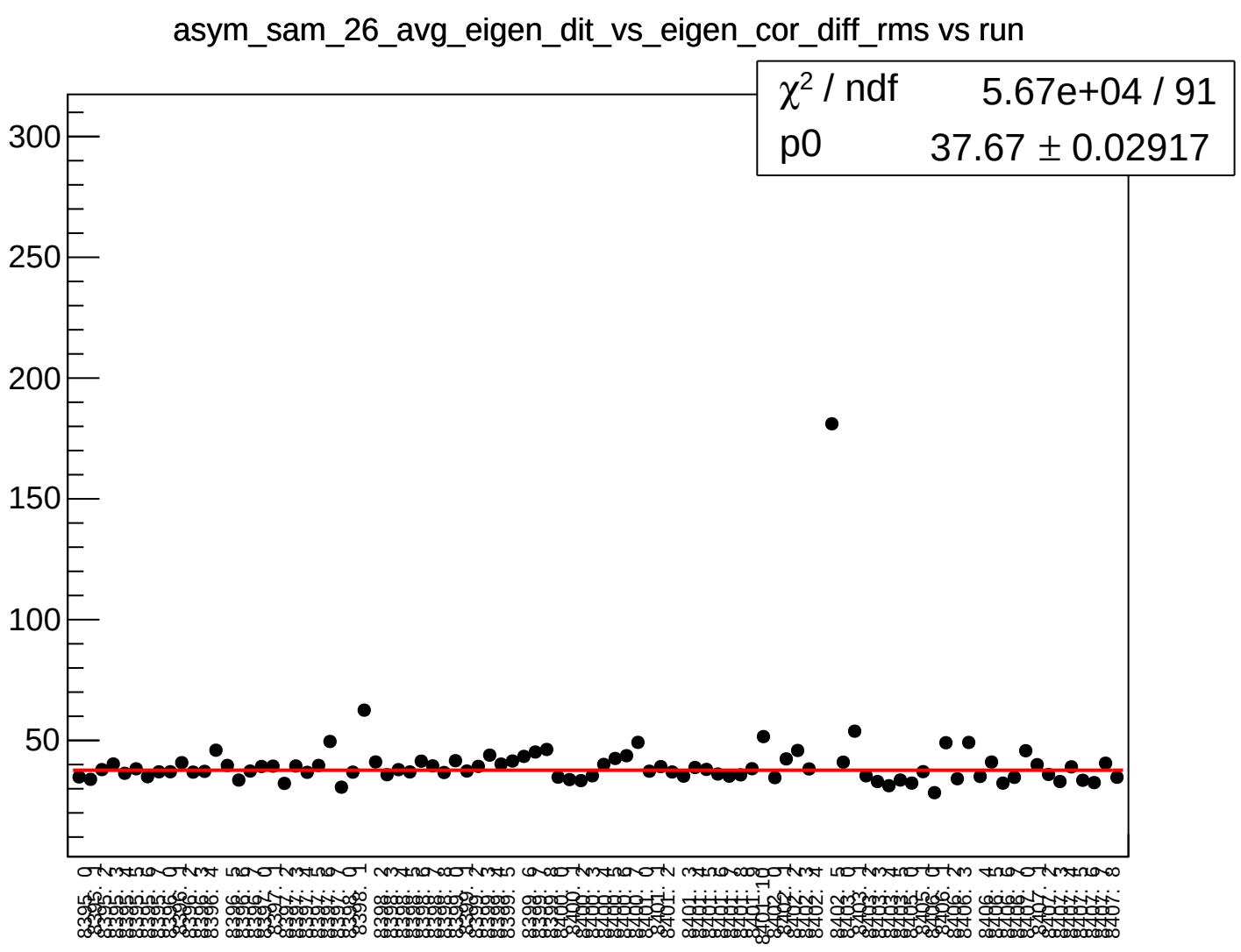

pull1D
Entries 92
Mean 0.006121
Std Dev 0.9964

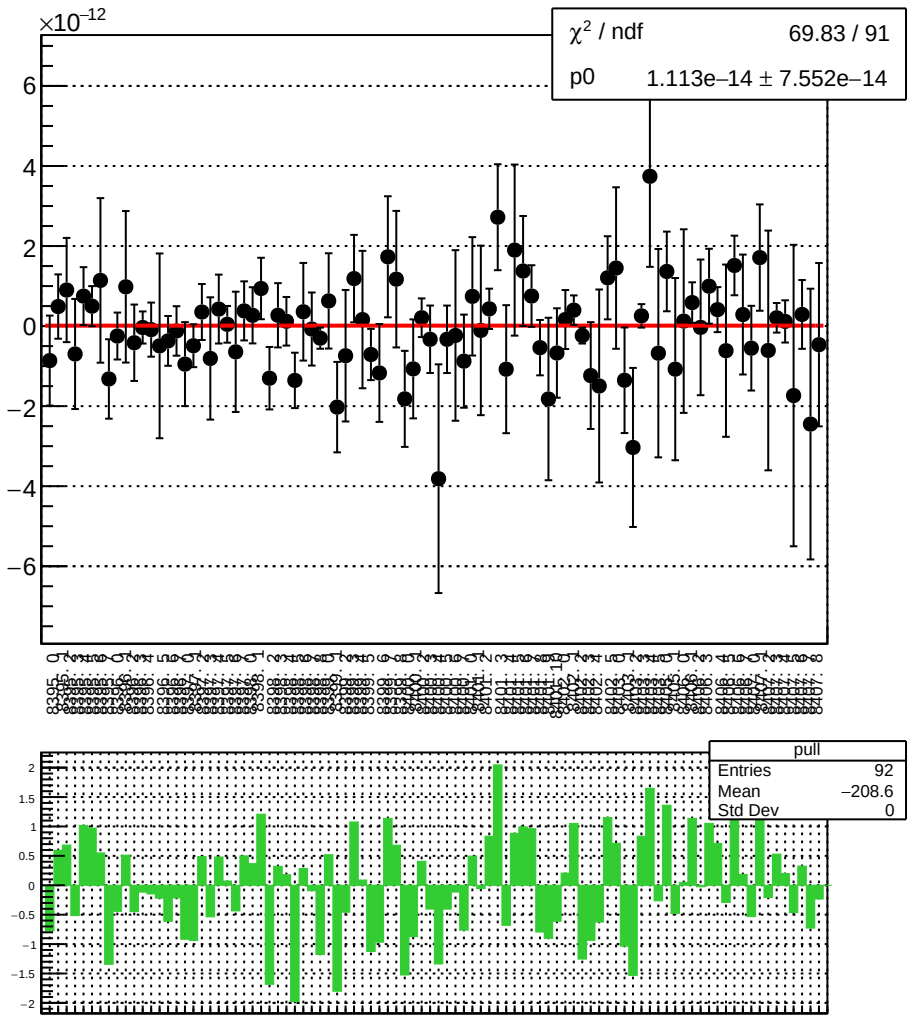

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.214e+04 / 91
p0 0.00566 ± 4.327e–06
0.0075
0.007
0.0065
0.006
0.0055
0.005

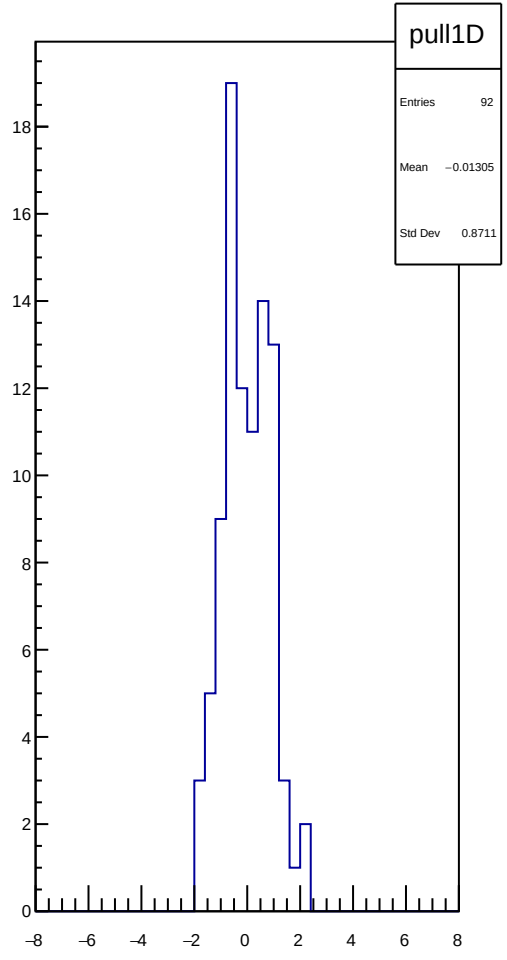

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 107.7 / 91
p0 0.01873 ± 0.04126
pull
Entries 92
Mean 205.3
Std Dev 0
pull1D
Entries 92
Mean −0.008905
Std Dev 1.082

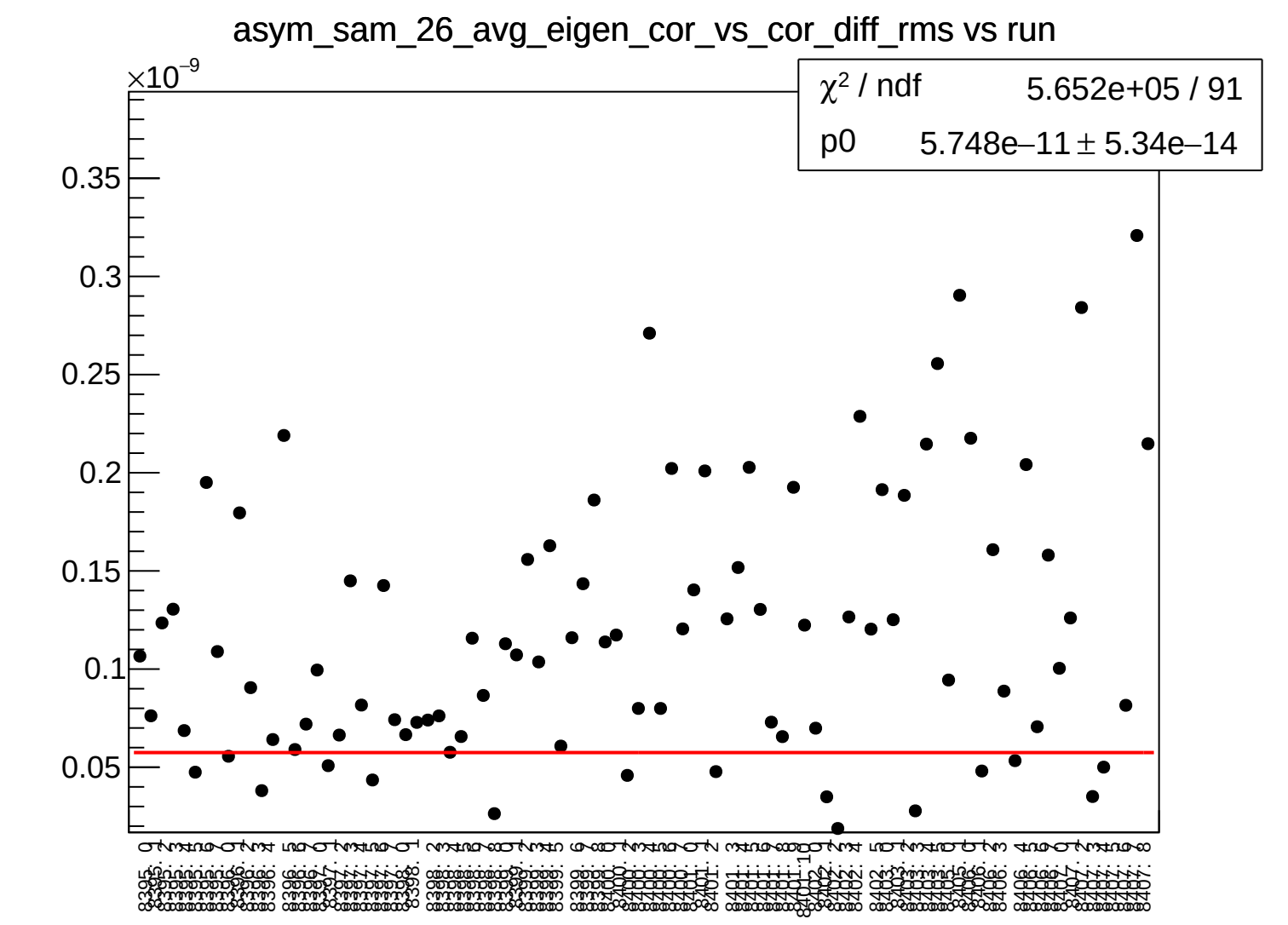

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.67e+04 / 91
p0 37.67 ± 0.02917
300
250
200
150
100
50

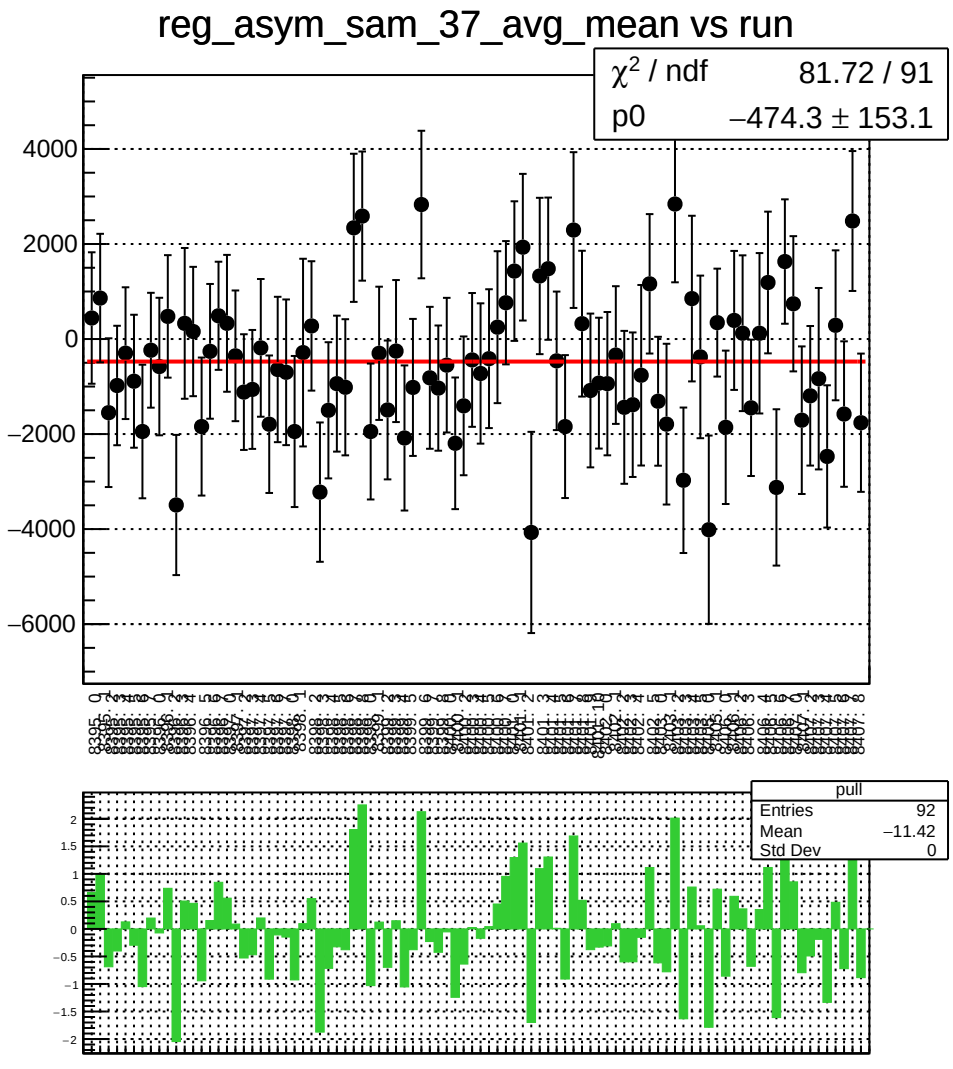

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.7 / 91
p0 0.01873 ± 0.04126
pull
Entries 92
Mean 205.3
Std Dev 0
pull1D
Entries 92
Mean −0.008905
Std Dev 1.082

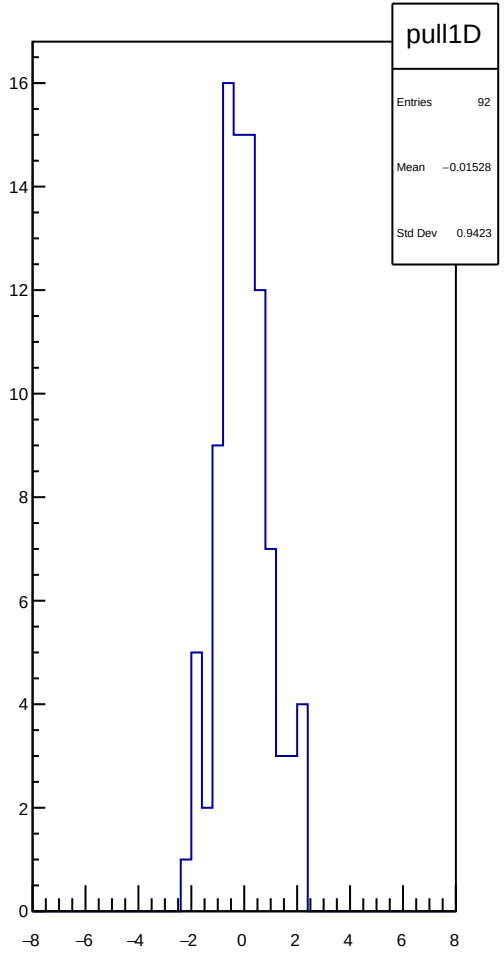

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.67e+04 / 91
p0 37.67 ± 0.02917
300
250
200
150
100
50

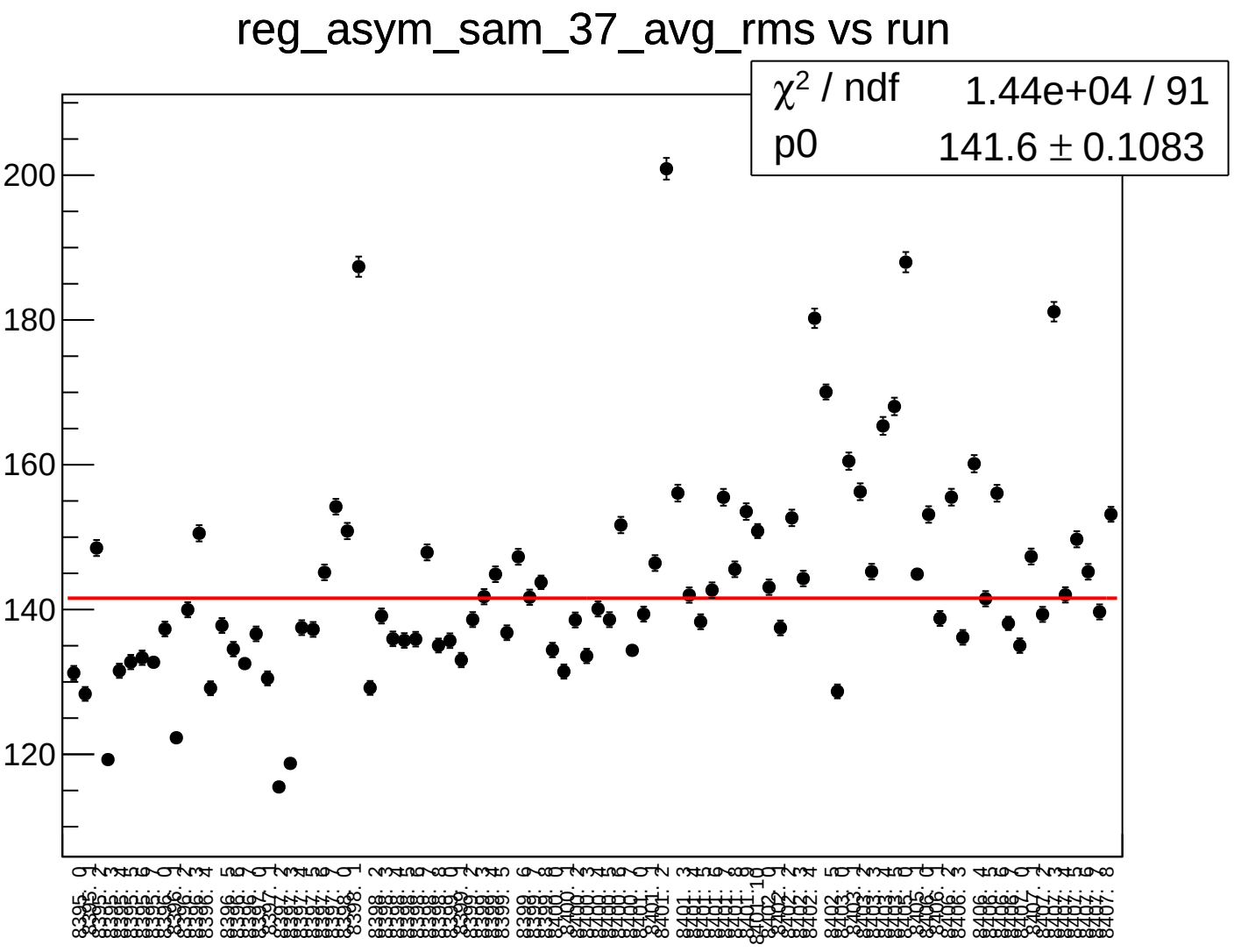

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.83 / 91
p0 1.113e−14 ± 7.552e−14
pull
Entries 92
Mean −208.6
Std Dev 0

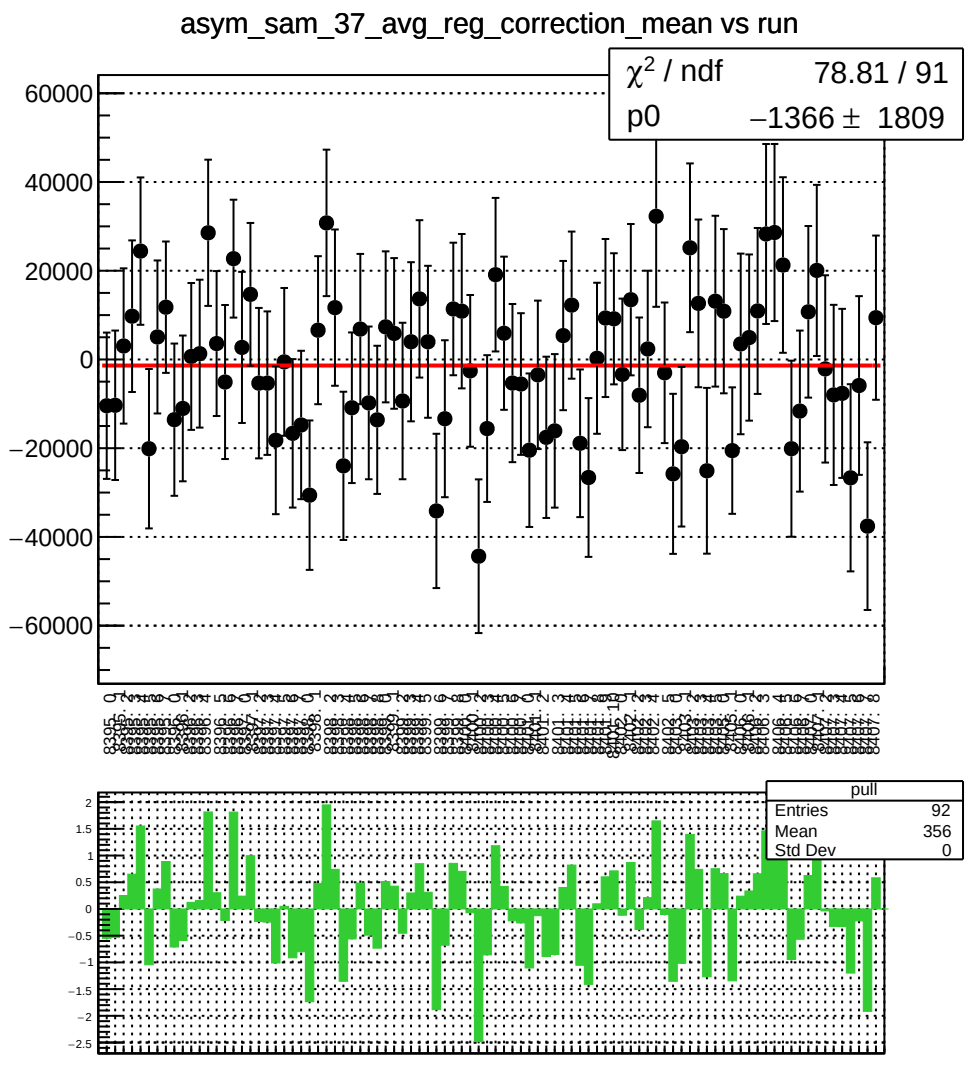

pull1D
Entries 92
Mean −0.01305
Std Dev 0.8711

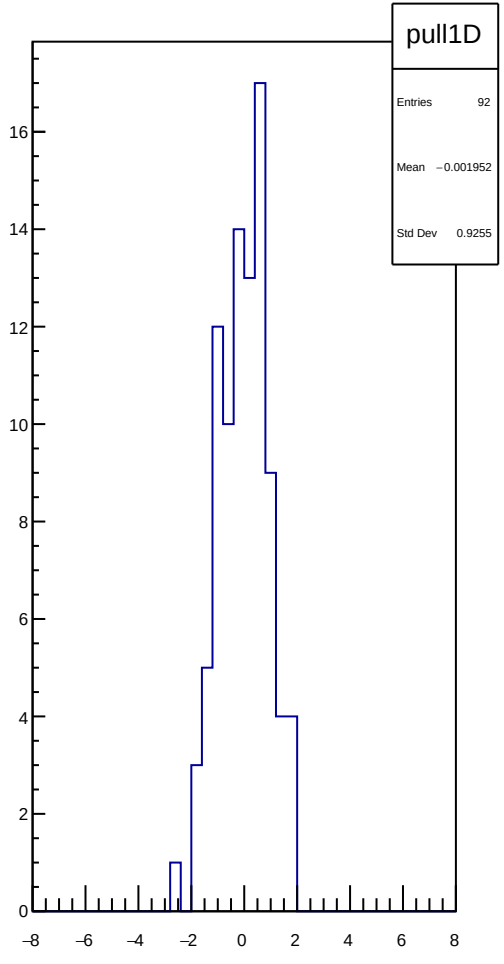

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.652e+05 / 91
p0 5.748e−11 ± 5.34e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

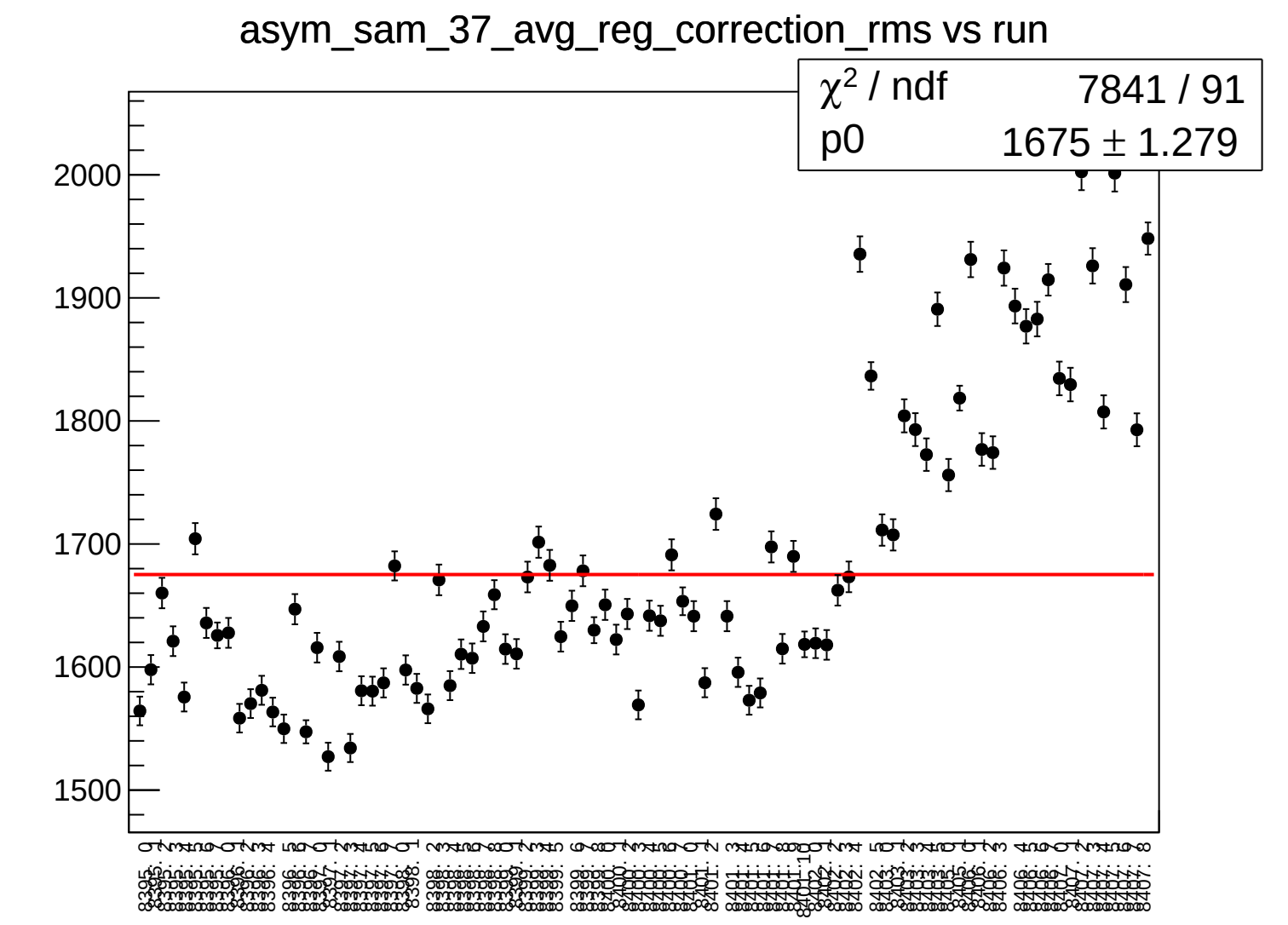

reg_asym_sam_37_avg_mean vs run
χ² / ndf 81.72 / 91
p0 −474.3 ± 153.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −11.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

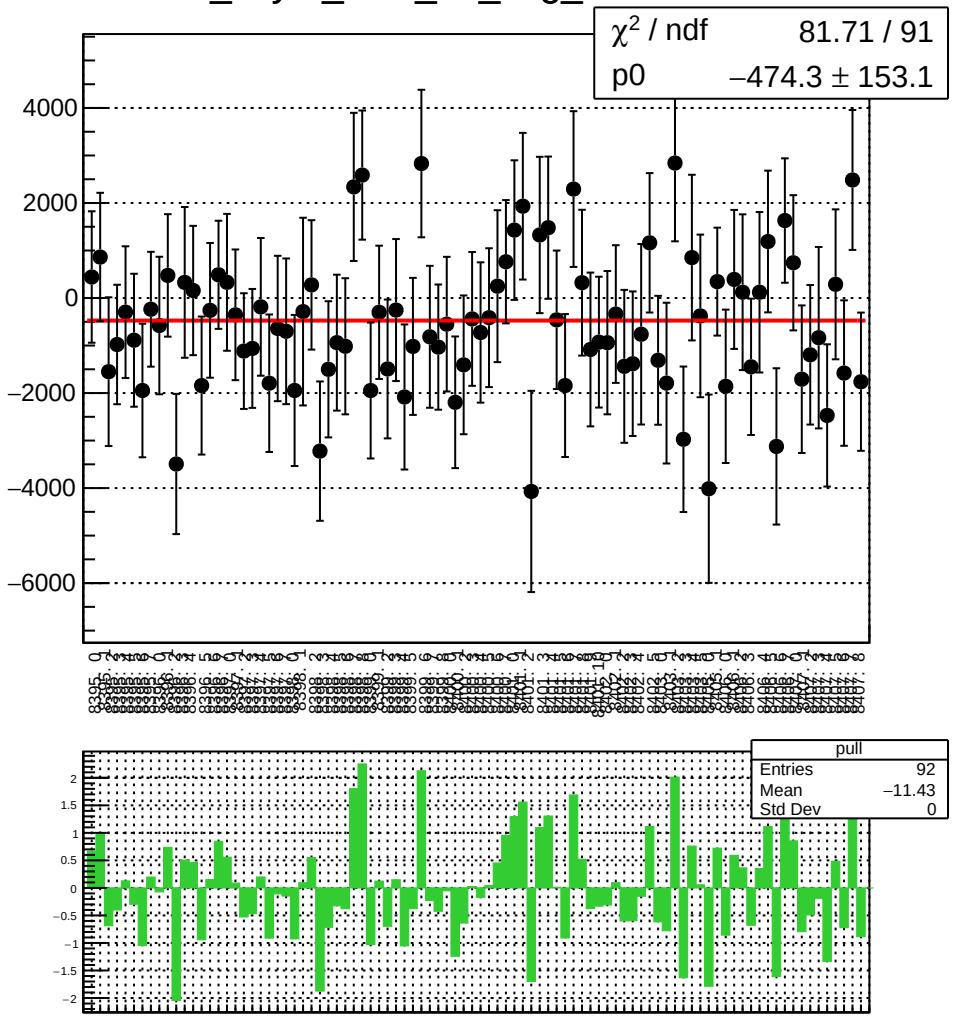

pull1D
Entries 92
Mean −0.01528
Std Dev 0.9423
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

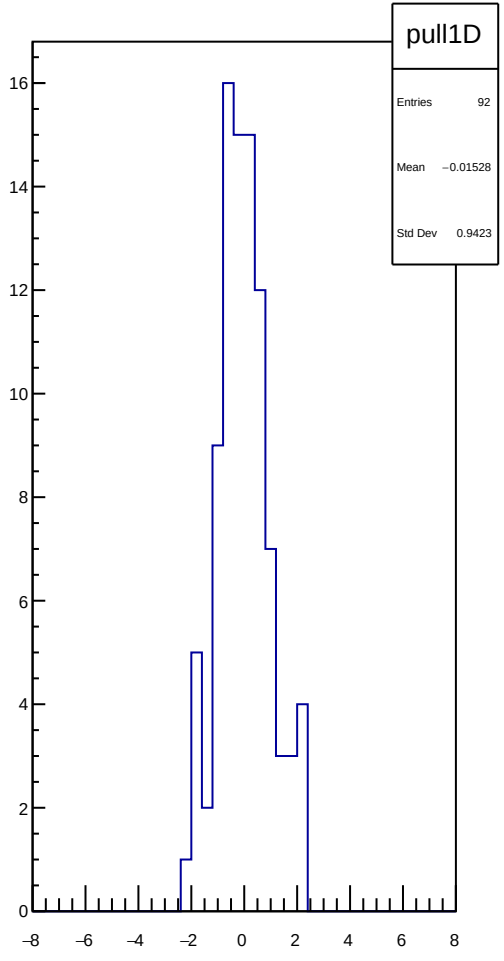

reg_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 1.44e+04 / 91
p0 141.6 ± 0.1083
200
180
160
140
120

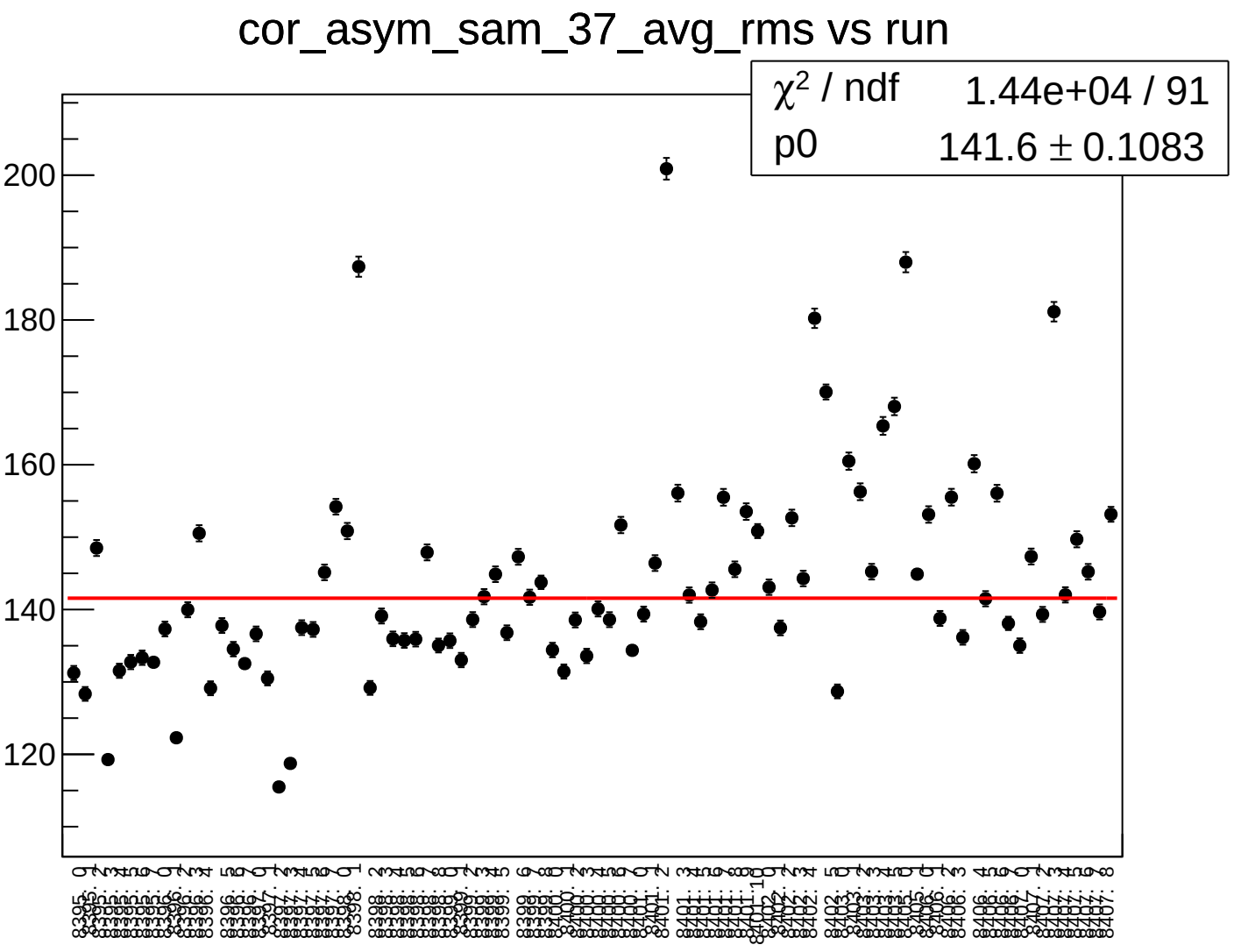

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 78.81 / 91
p0 −1366 ± 1809
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 356
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

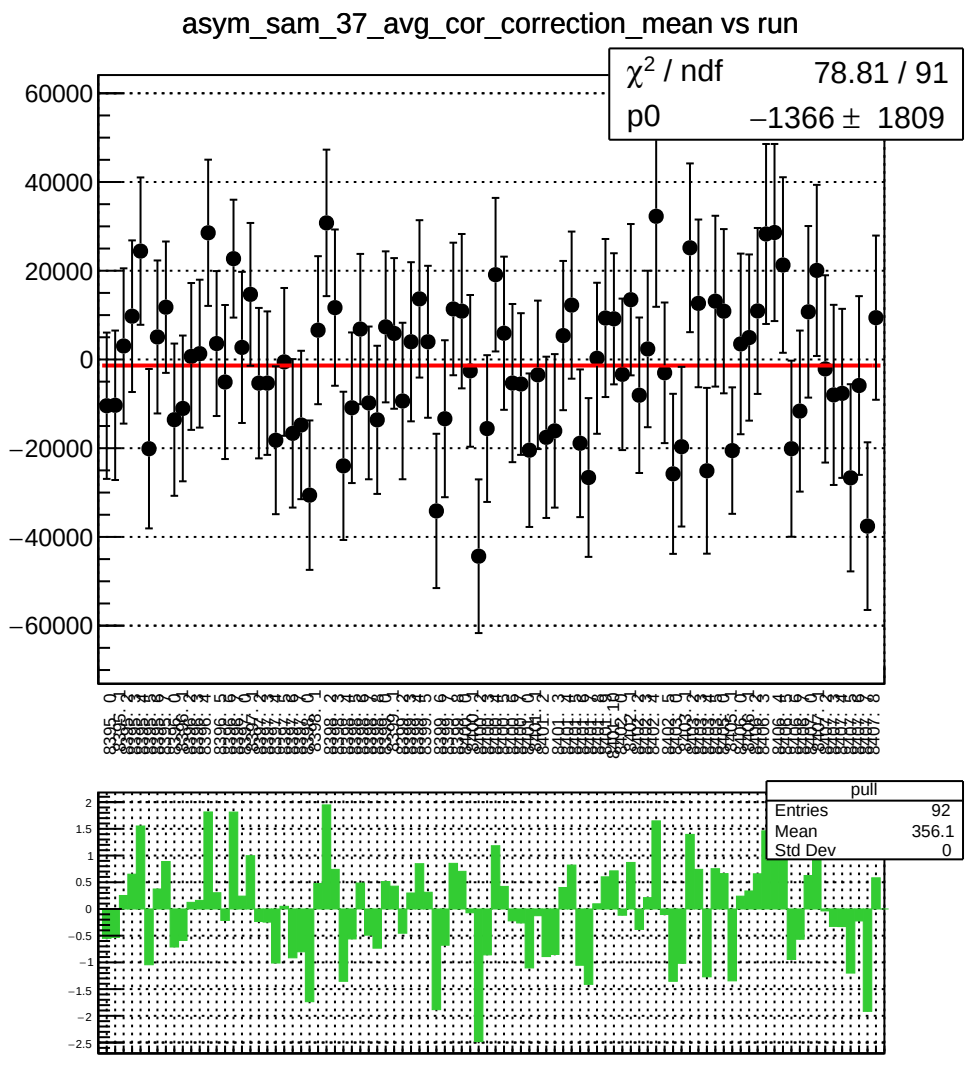

pull1D
Entries 92
Mean −0.001952
Std Dev 0.9255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

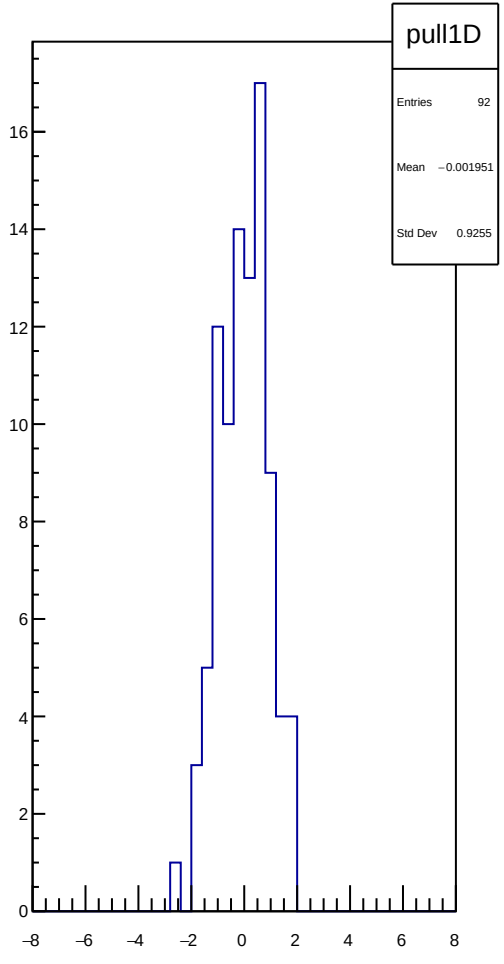

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 7841 / 91
p0 1675 ± 1.279
2000
1900
1800
1700
1600
1500

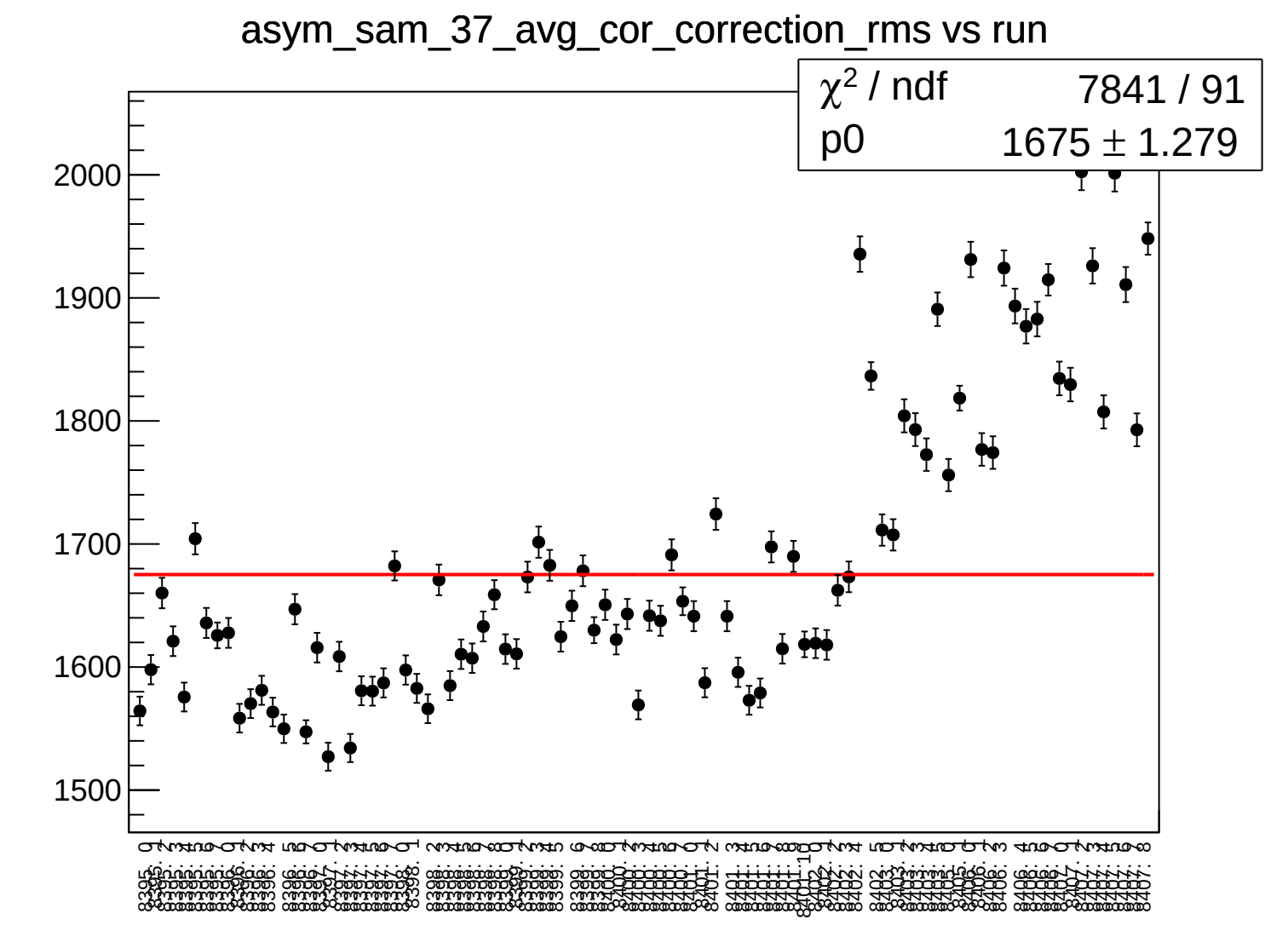

cor_asym_sam_37_avg_mean vs run
χ² / ndf 81.71 / 91
p0 −474.3 ± 153.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −11.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

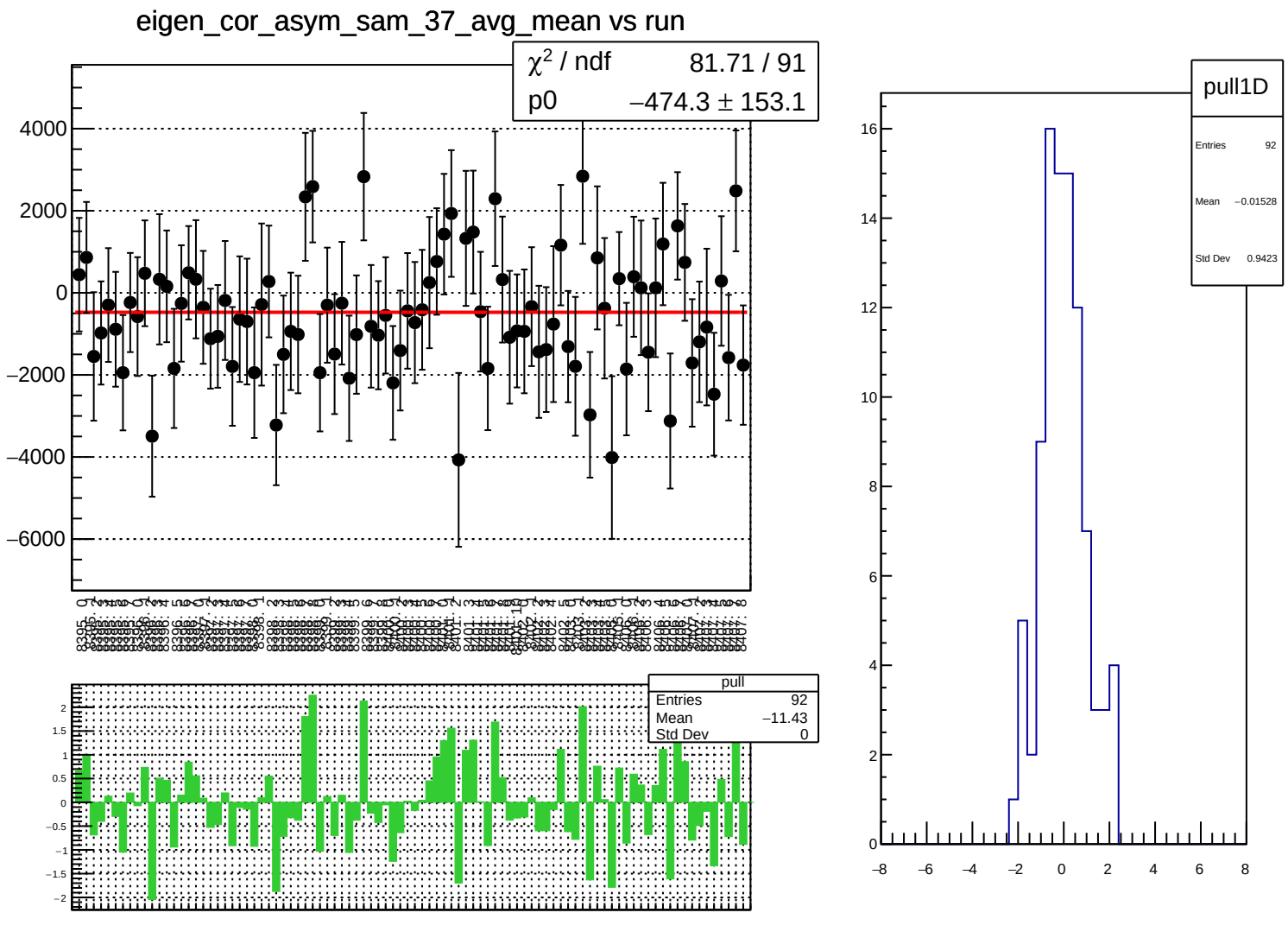

pull1D
Entries 92
Mean −0.01528
Std Dev 0.9423
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

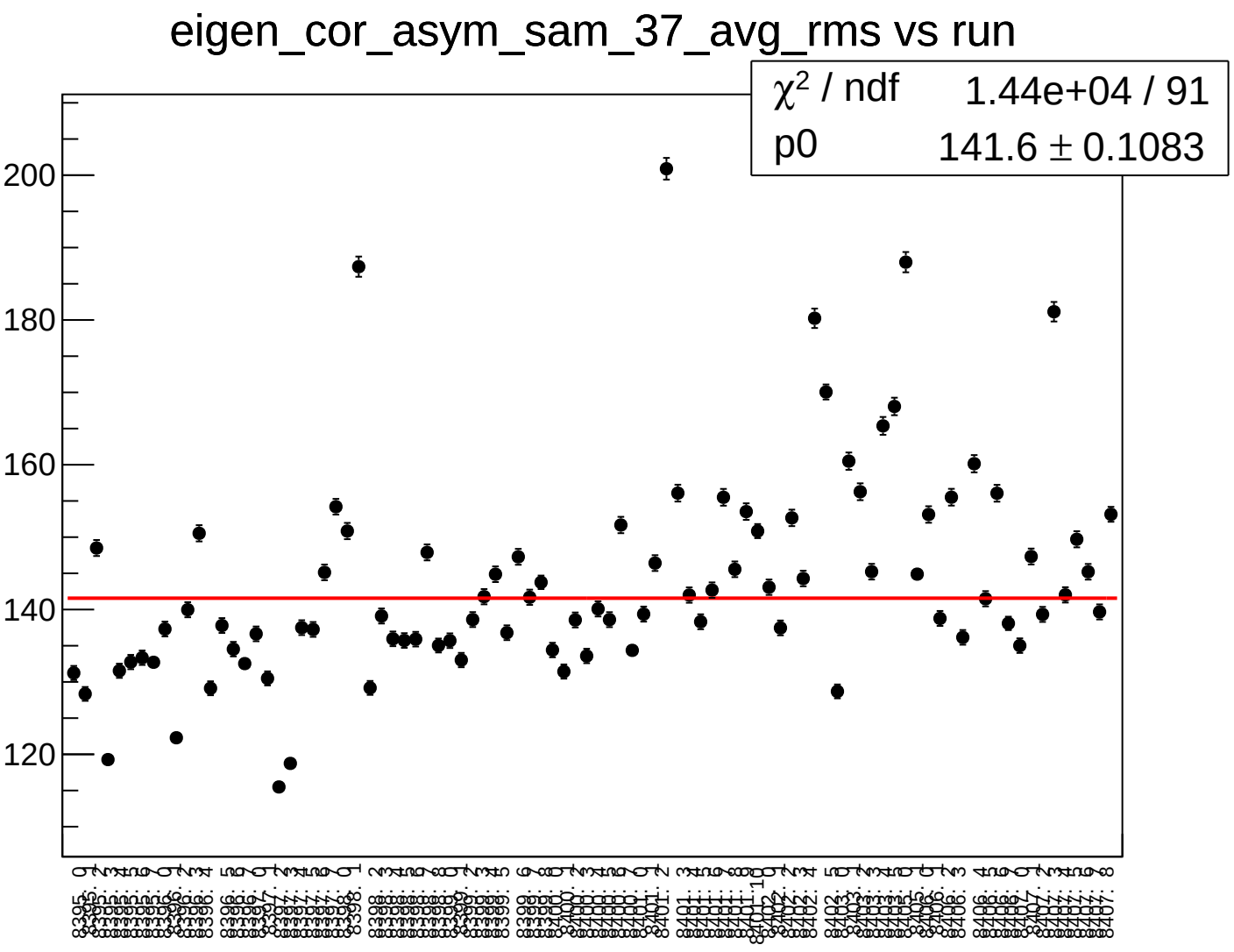

cor_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 1.44e+04 / 91
p0 141.6 ± 0.1083
200
180
160
140
120

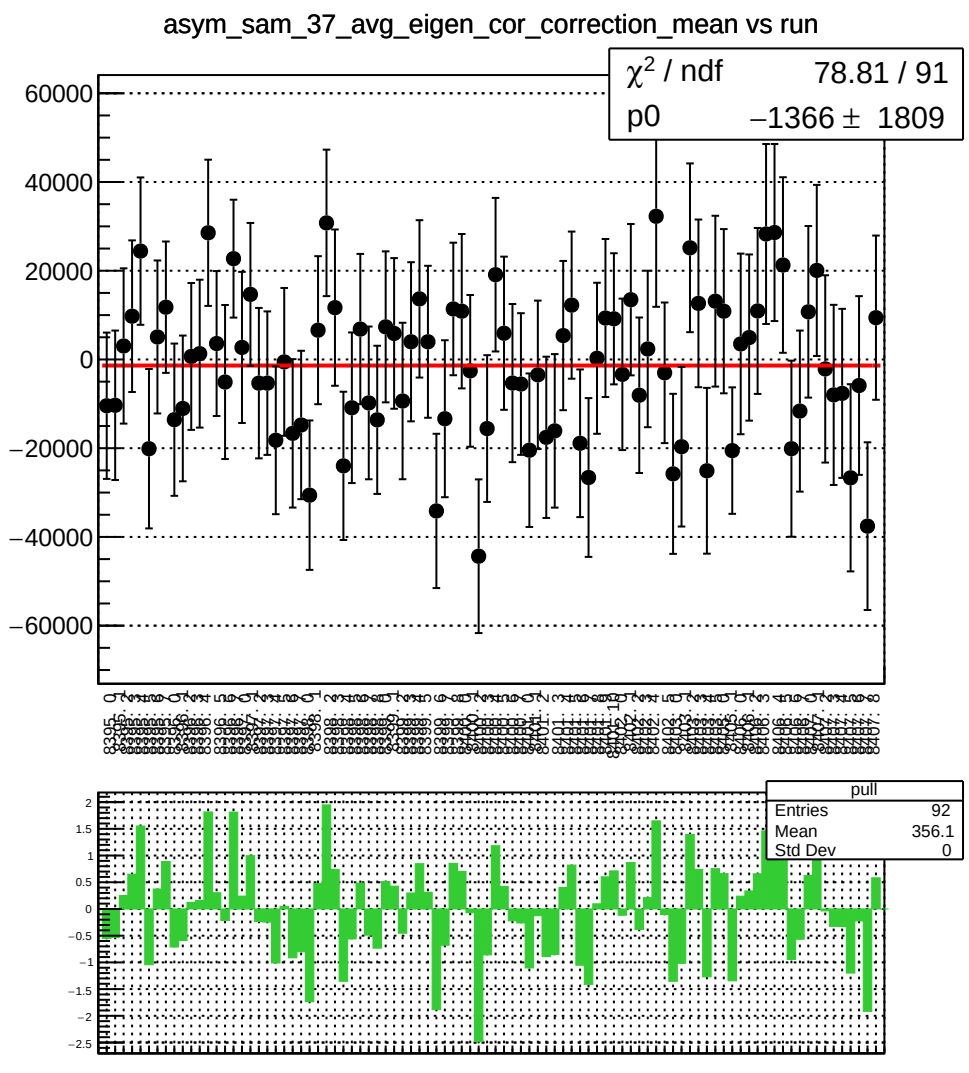

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 78.81 / 91
p0 −1366 ± 1809
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 356.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

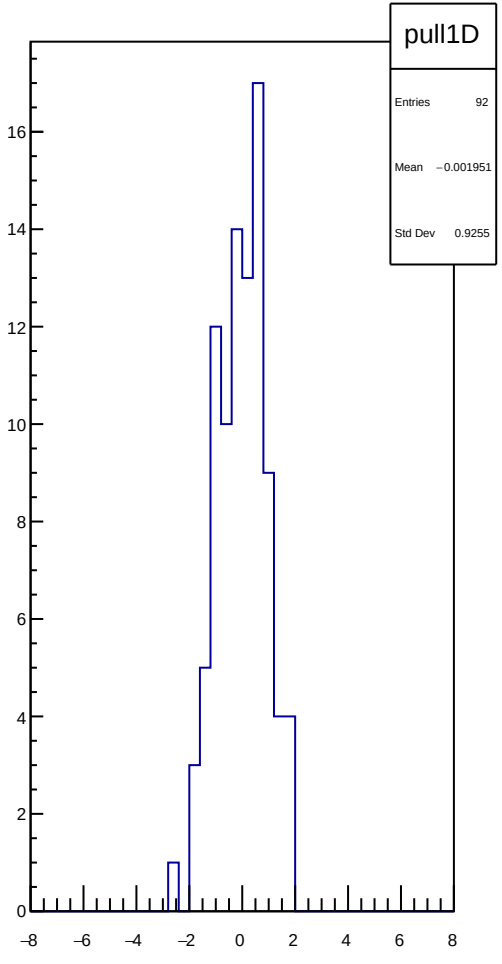

pull1D
Entries 92
Mean −0.001951
Std Dev 0.9255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

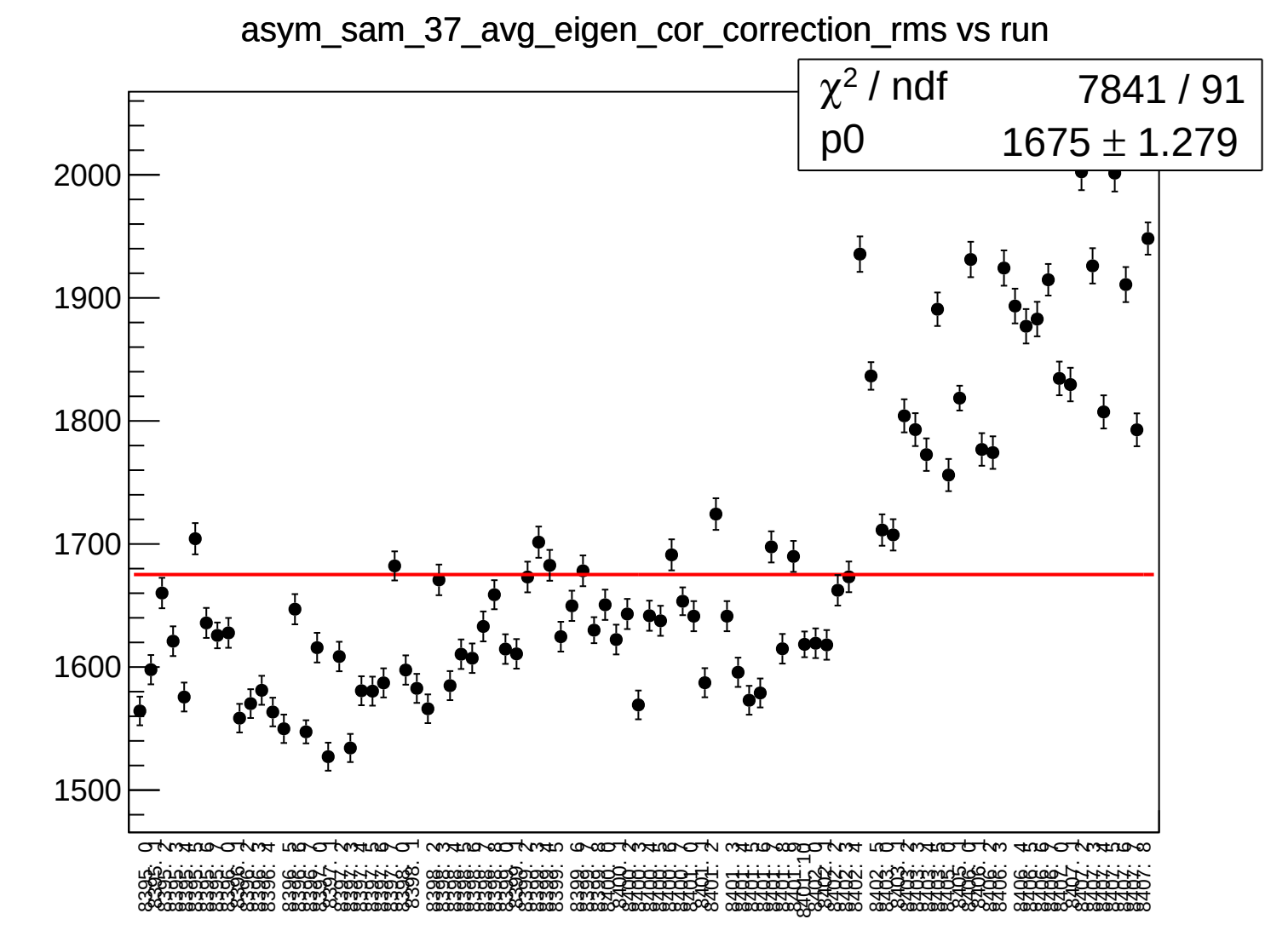

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 7841 / 91
p0 1675 ± 1.279
2000
1900
1800
1700
1600
1500

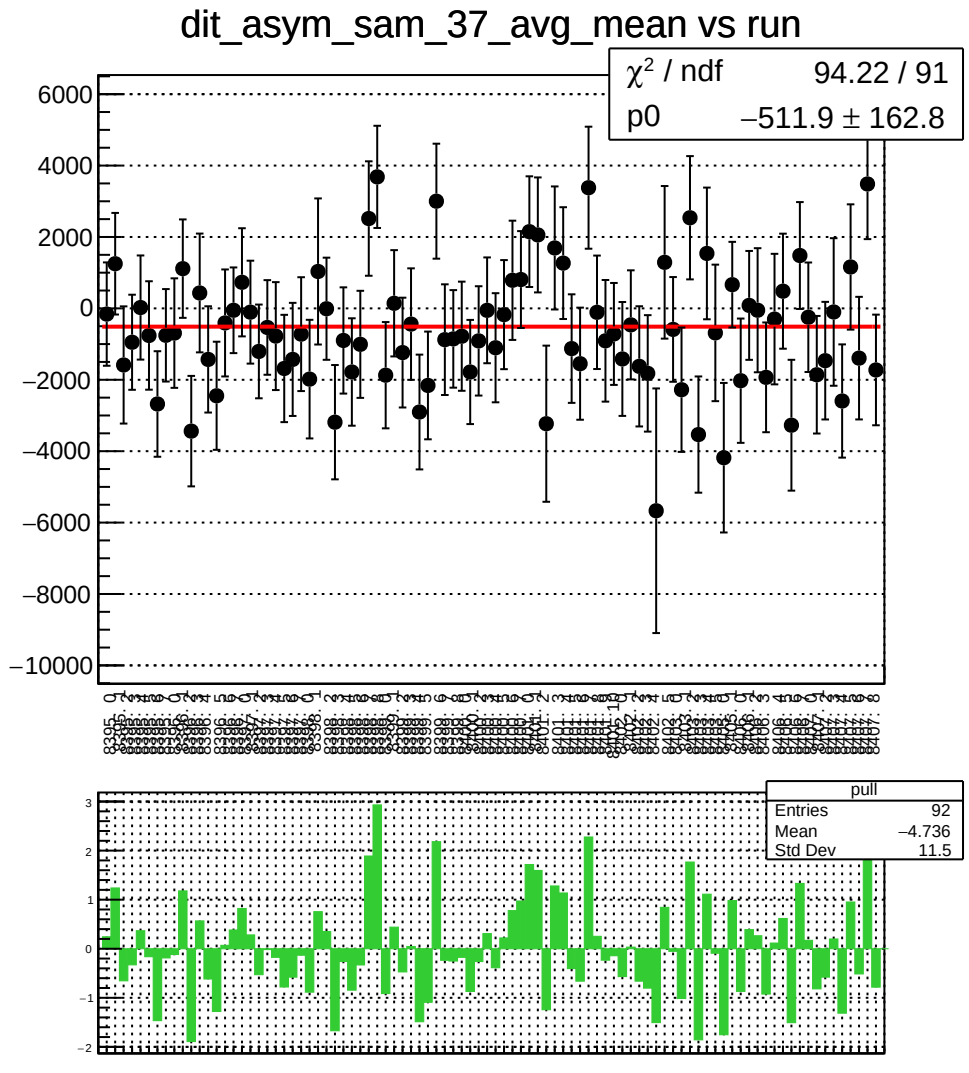

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 81.71 / 91
p0 −474.3 ± 153.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −11.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.01528
Std Dev 0.9423
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

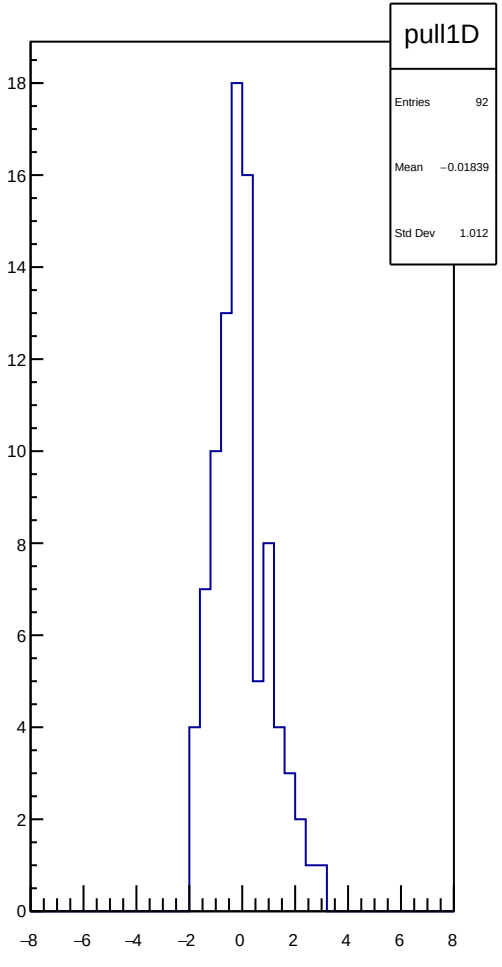

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.44e+04 / 91
p0 141.6 ± 0.1083
200
180
160
140
120

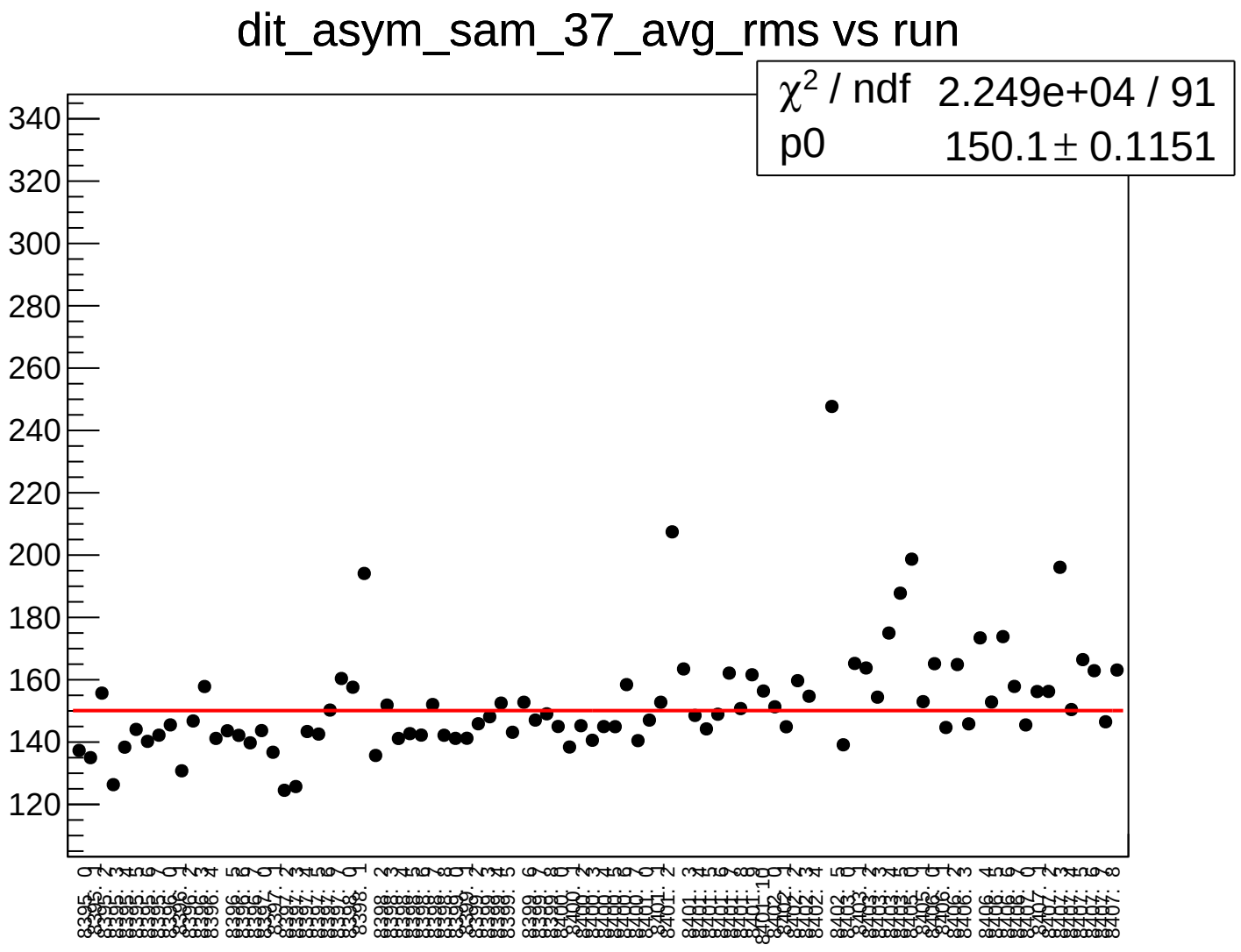

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 78.81 / 91
p0 −1366 ± 1809
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 356.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

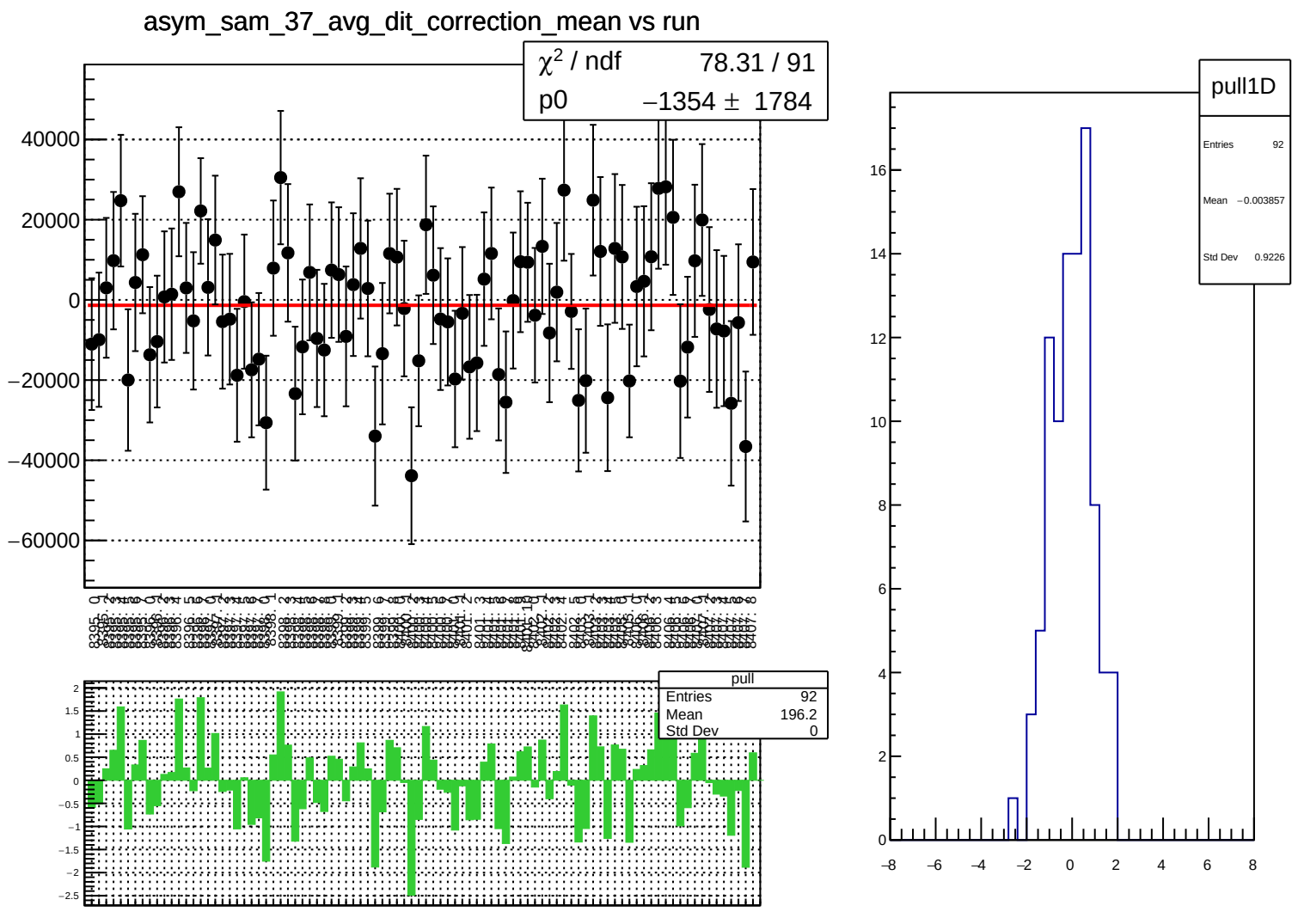

pull1D
Entries 92
Mean −0.001951
Std Dev 0.9255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

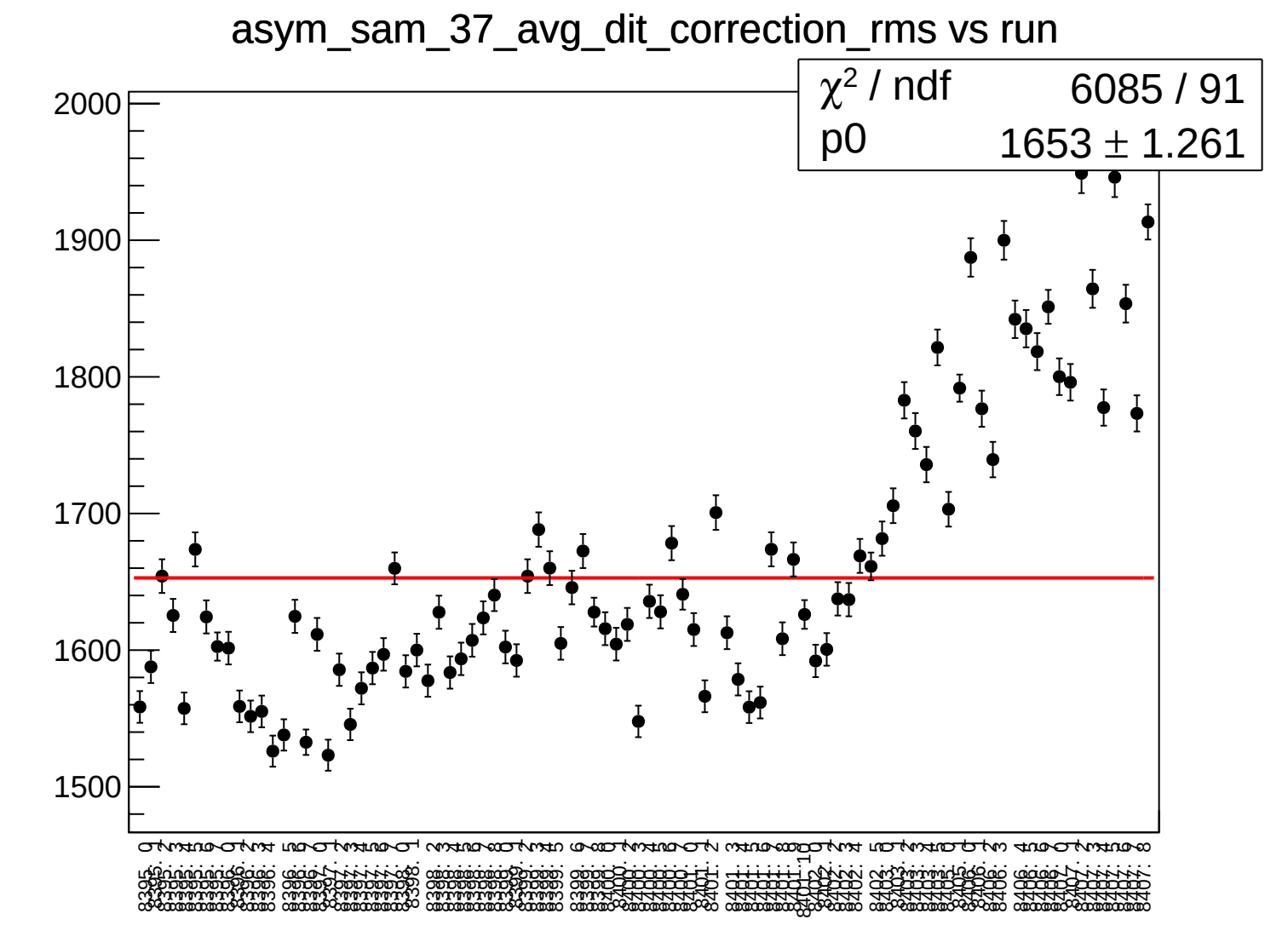

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 7841 / 91
p0 1675 ± 1.279
2000
1900
1800
1700
1600
1500

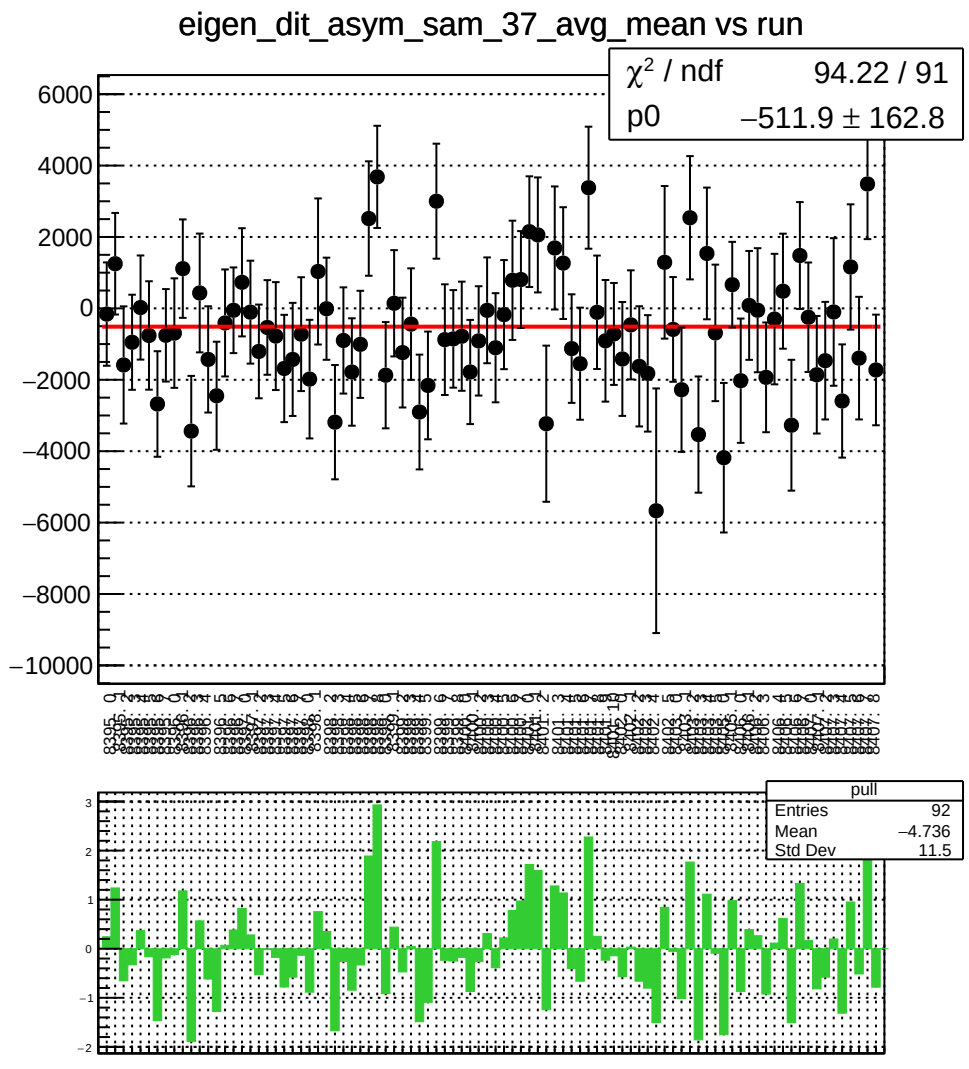

dit_asym_sam_37_avg_mean vs run
χ² / ndf 94.22 / 91
p0 −511.9 ± 162.8
pull
Entries 92
Mean −4.736
Std Dev 11.5

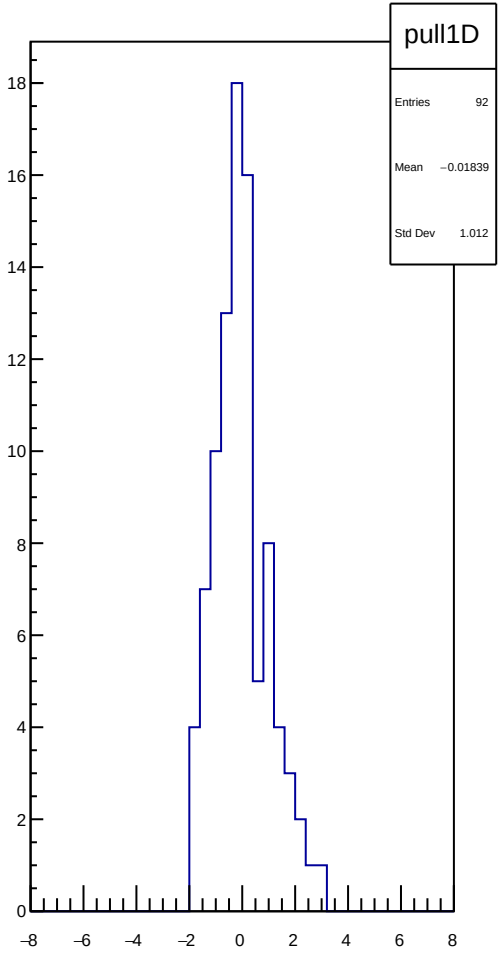

pull1D
Entries 92
Mean −0.01839
Std Dev 1.012

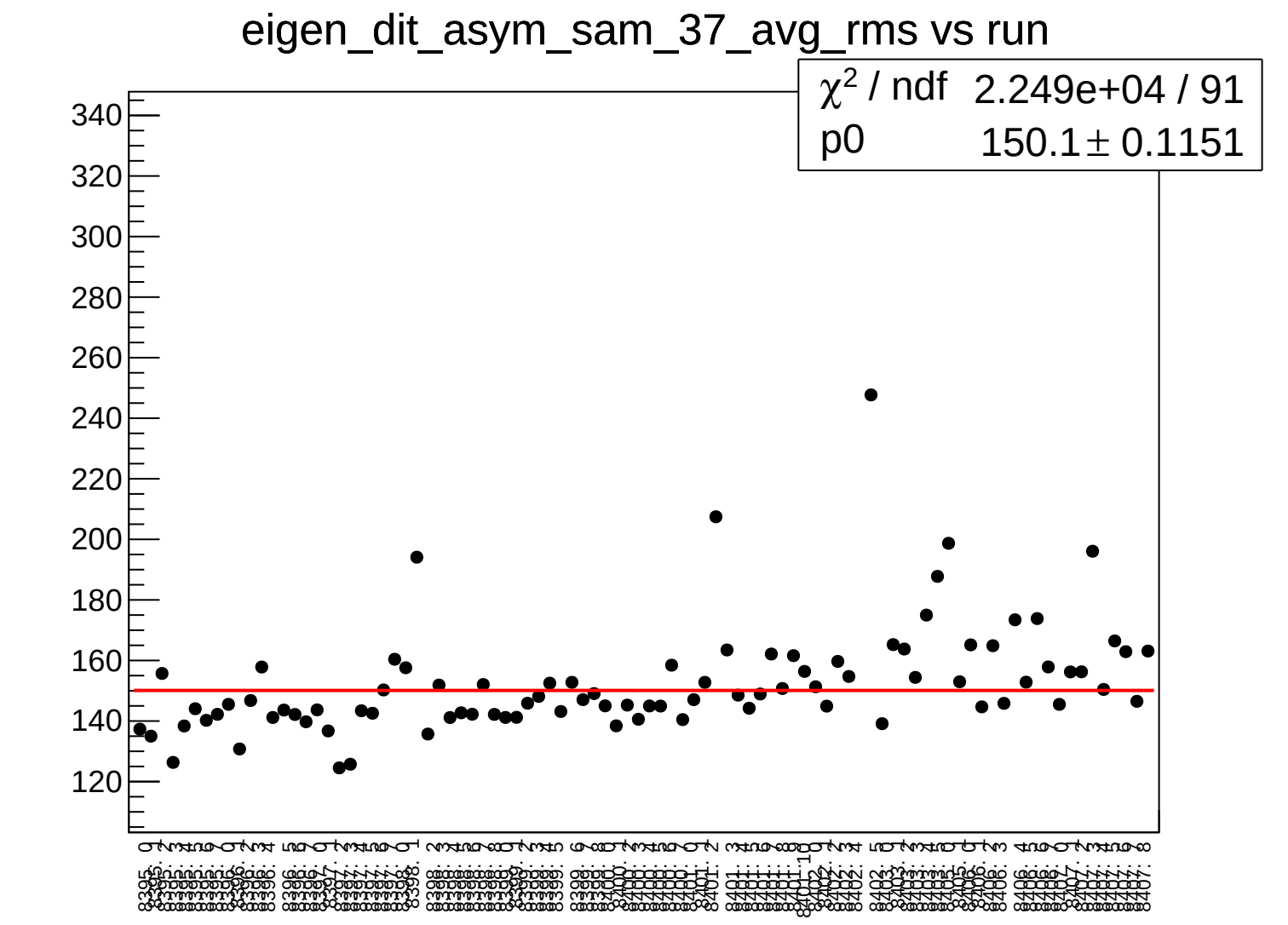

dit_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 2.249e+04 / 91
p0 150.1 ± 0.1151
340
320
300
280
260
240
220
200
180
160
140
120

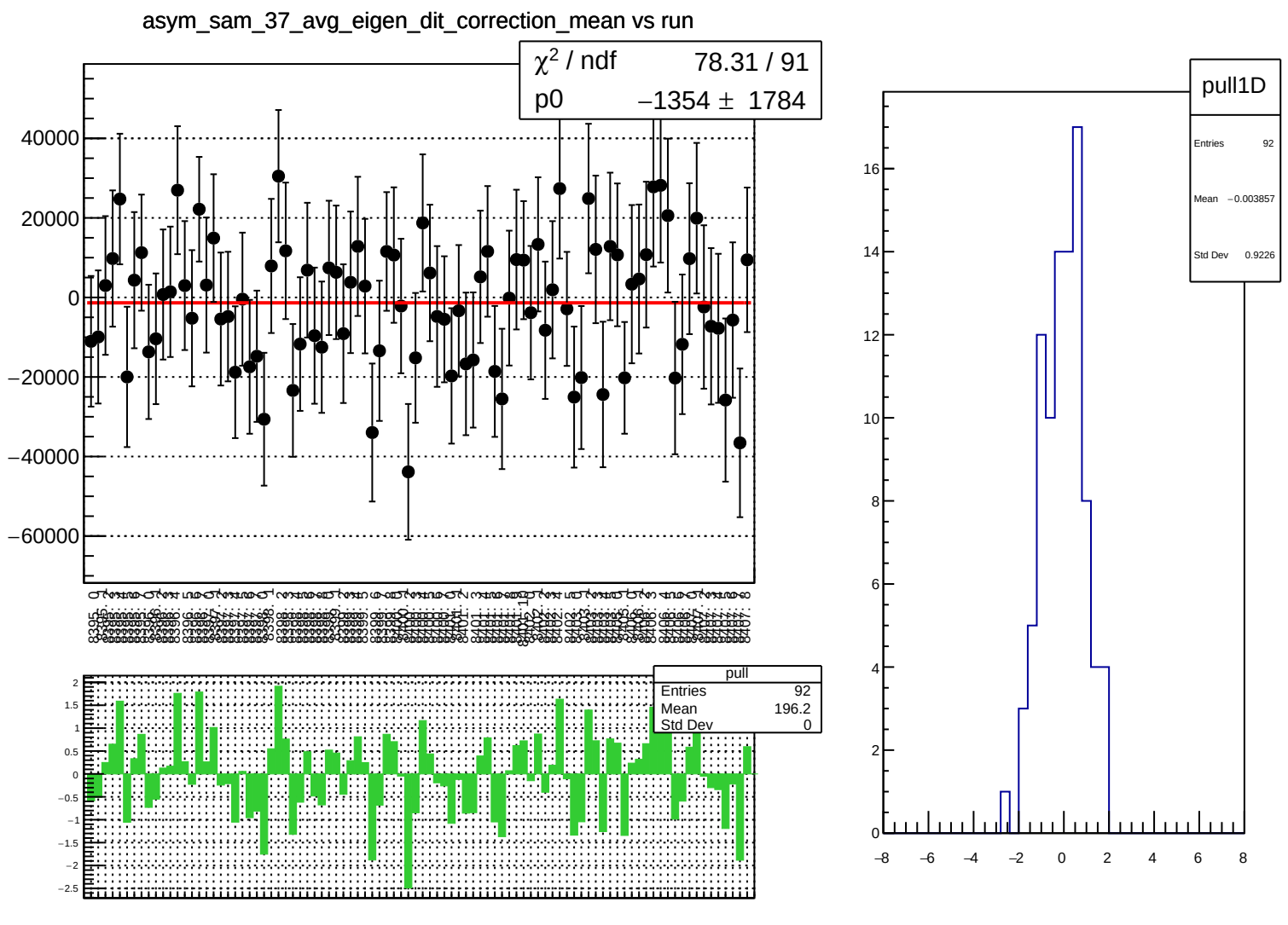

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 78.31 / 91
p0 −1354 ± 1784
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 196.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.003857
Std Dev 0.9226
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

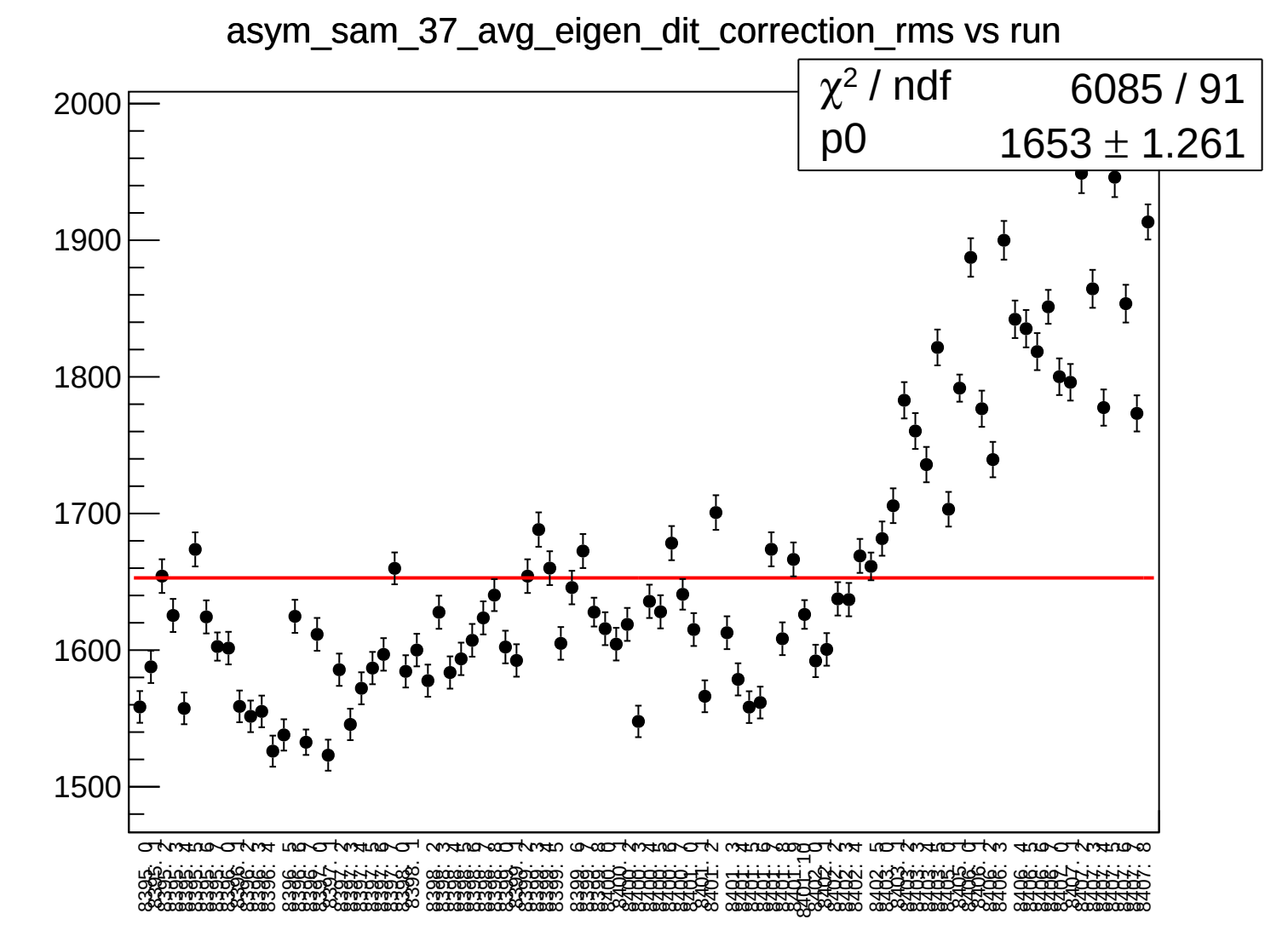

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 6085 / 91
p0 1653 ± 1.261
2000
1900
1800
1700
1600
1500

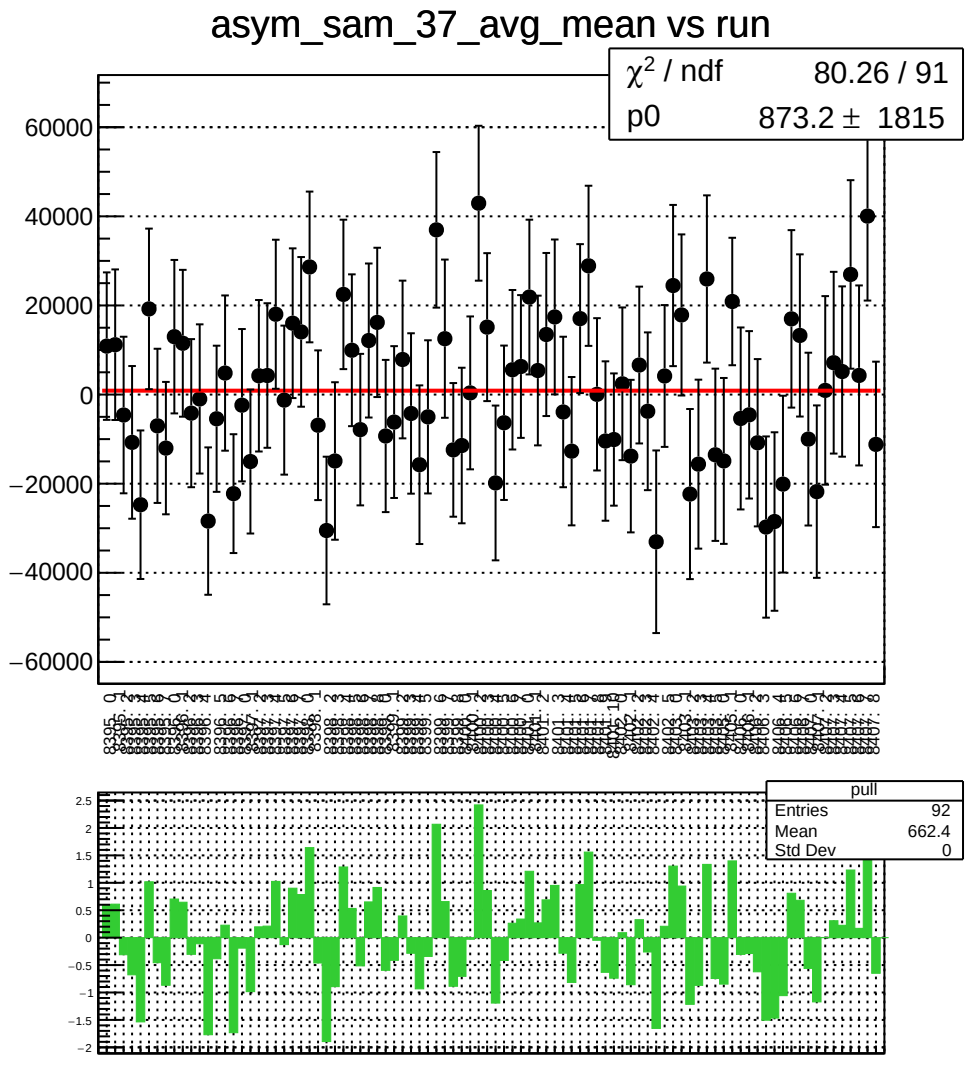

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 94.22 / 91
p0 −511.9 ± 162.8
pull
Entries 92
Mean −4.736
Std Dev 11.5

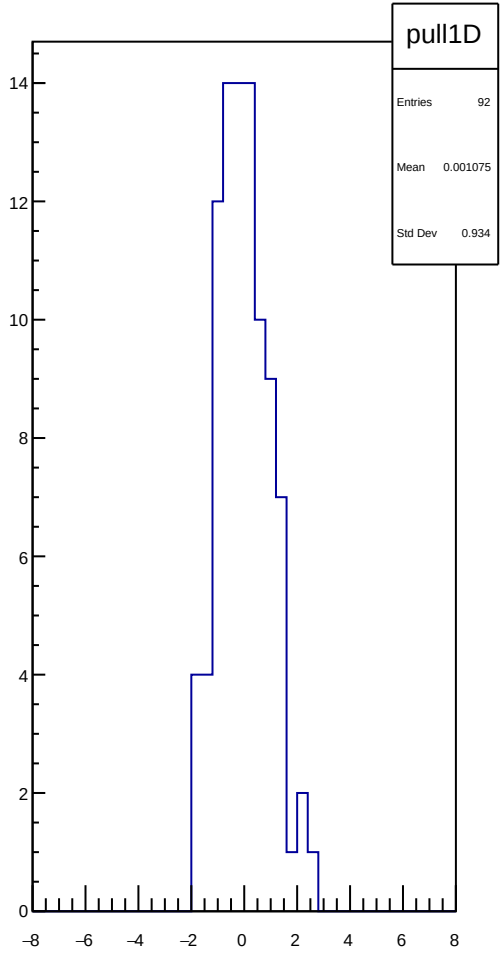

pull1D
Entries 92
Mean −0.01839
Std Dev 1.012

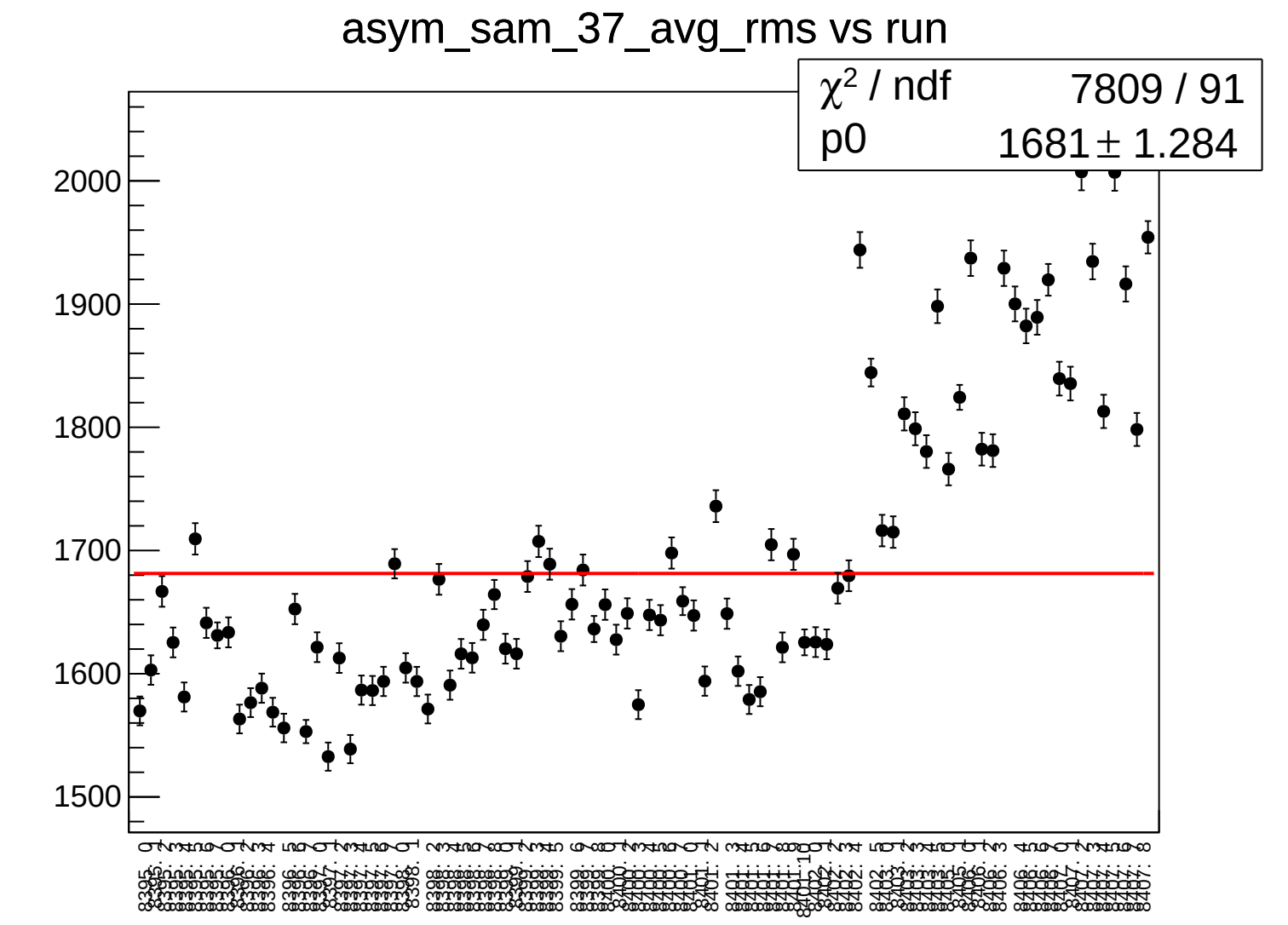

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.249e+04 / 91
p0 150.1 ± 0.1151
340
320
300
280
260
240
220
200
180
160
140
120

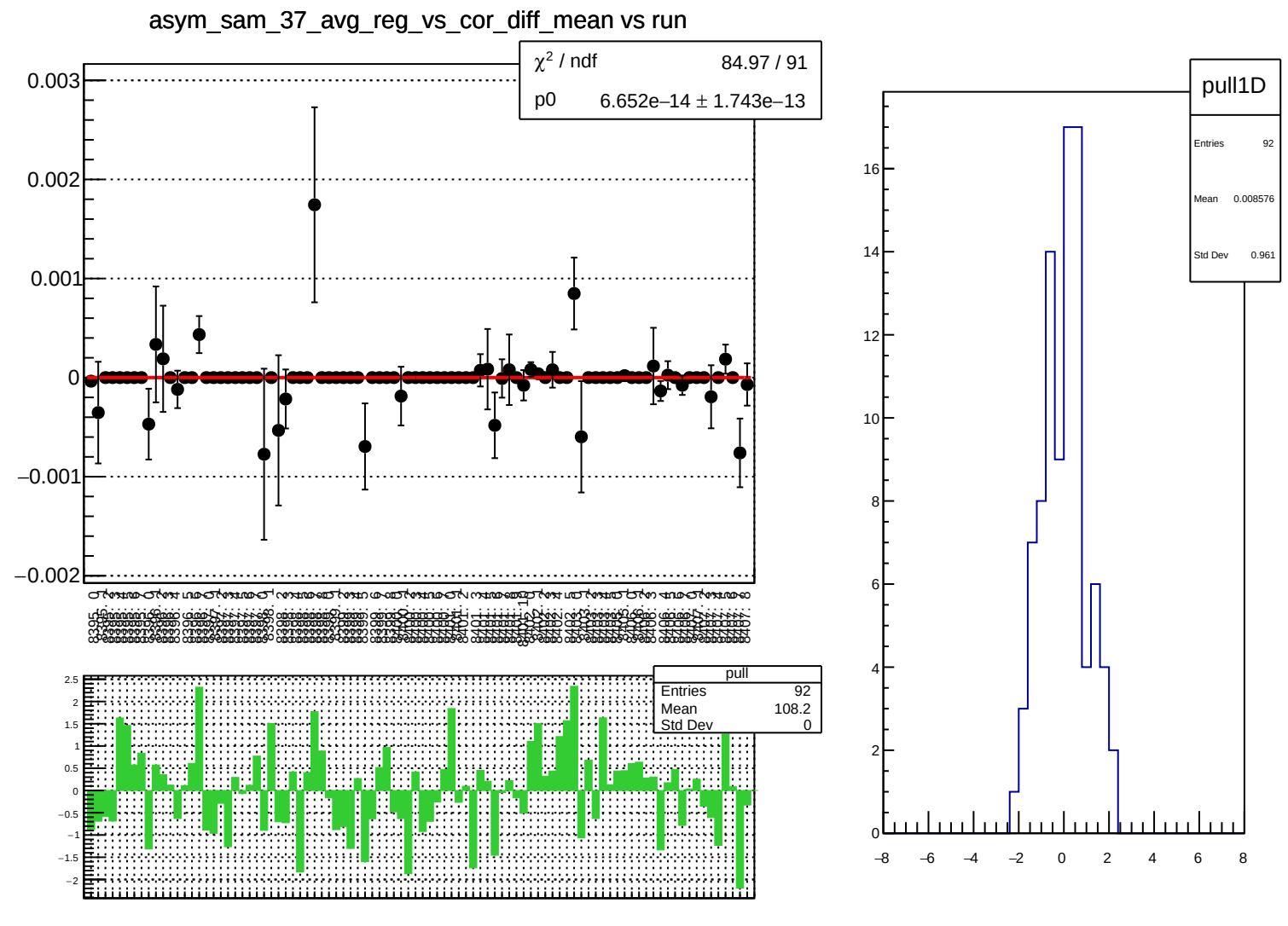

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.31 / 91
p0 −1354 ± 1784
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 196.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.003857
Std Dev 0.9226
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

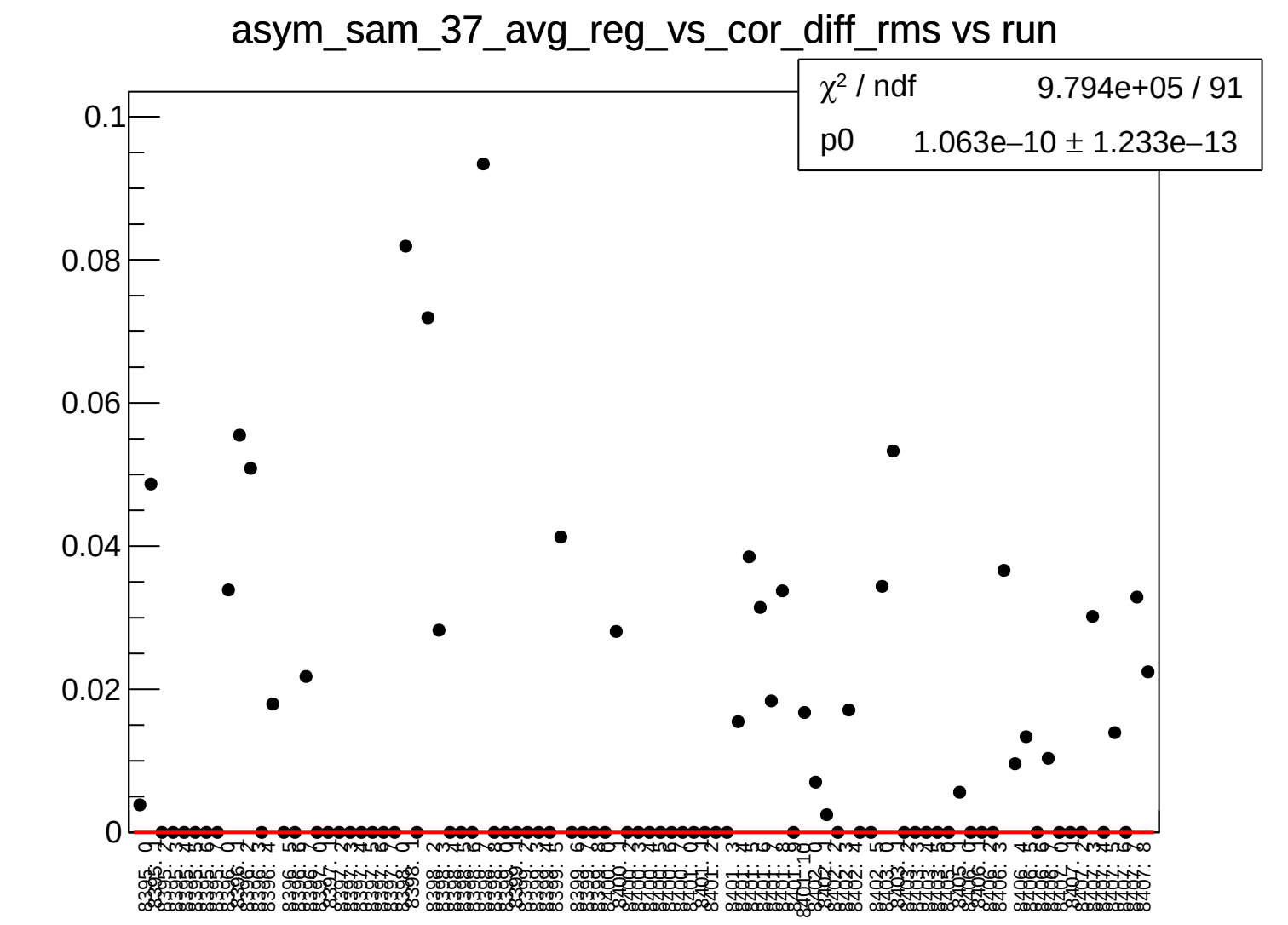

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 6085 / 91
p0 1653 ± 1.261
2000
1900
1800
1700
1600
1500

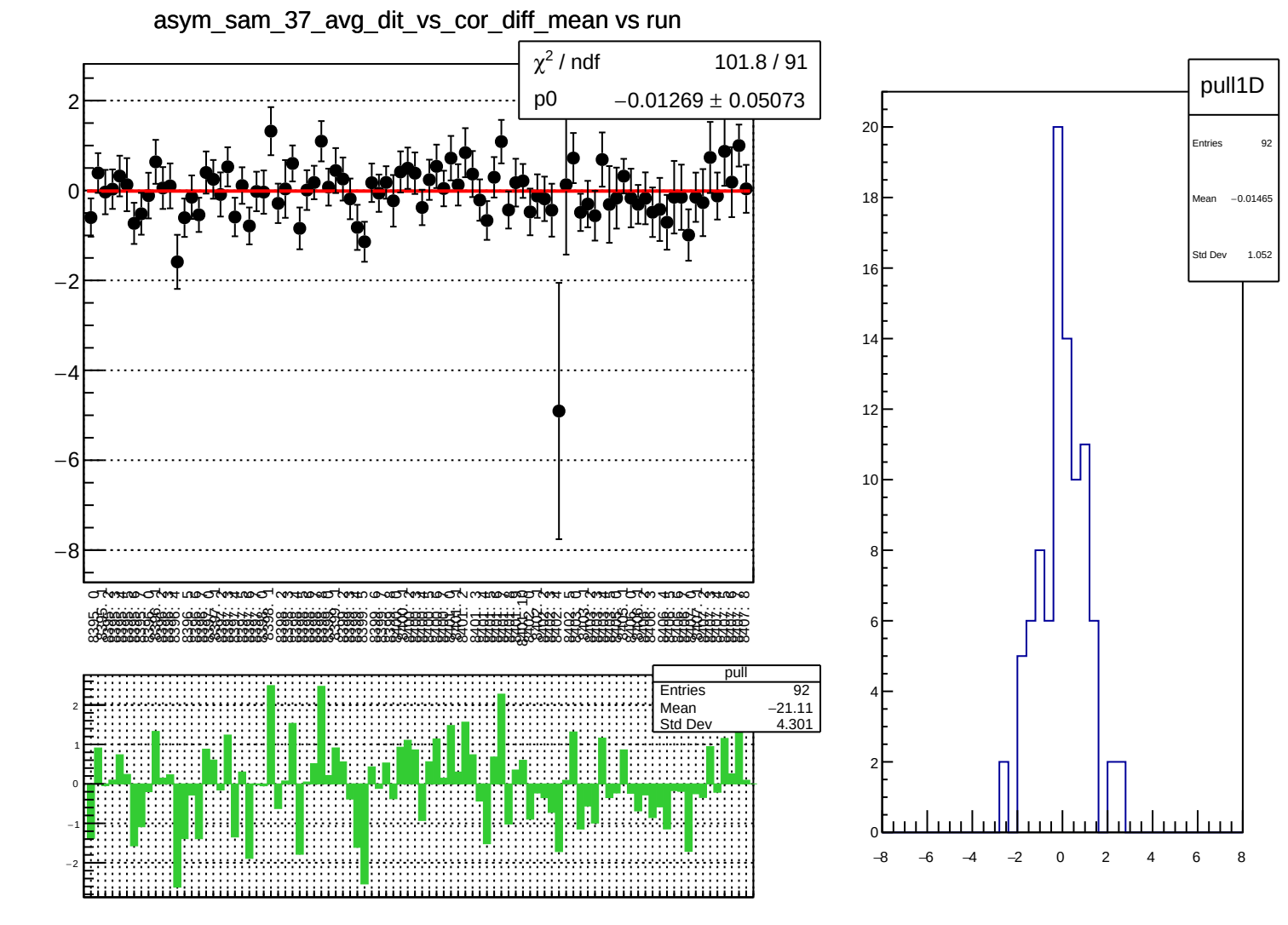

asym_sam_37_avg_mean vs run
χ² / ndf 80.26 / 91
p0 873.2 ± 1815
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 662.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

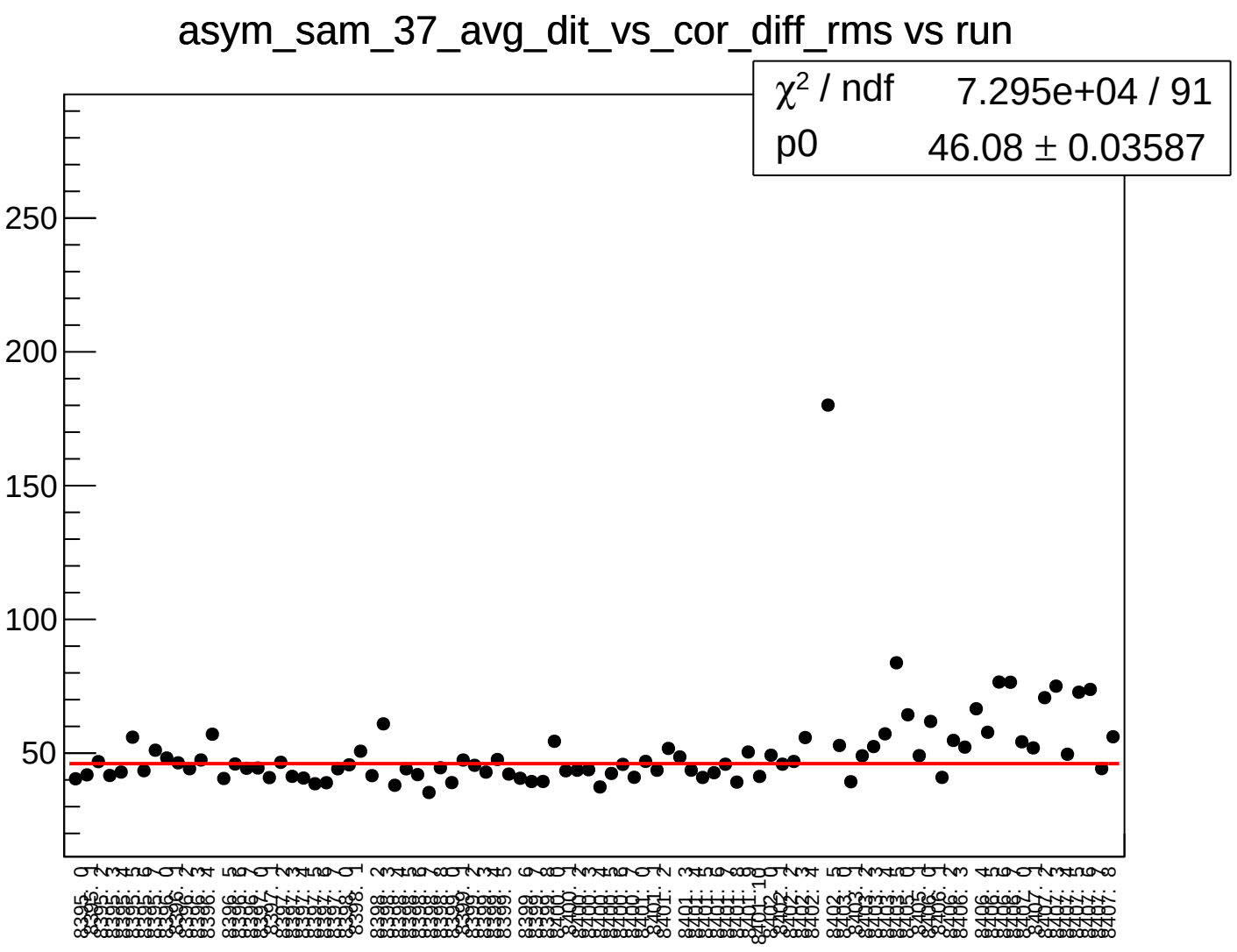

pull1D
Entries 92
Mean 0.001075
Std Dev 0.934
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

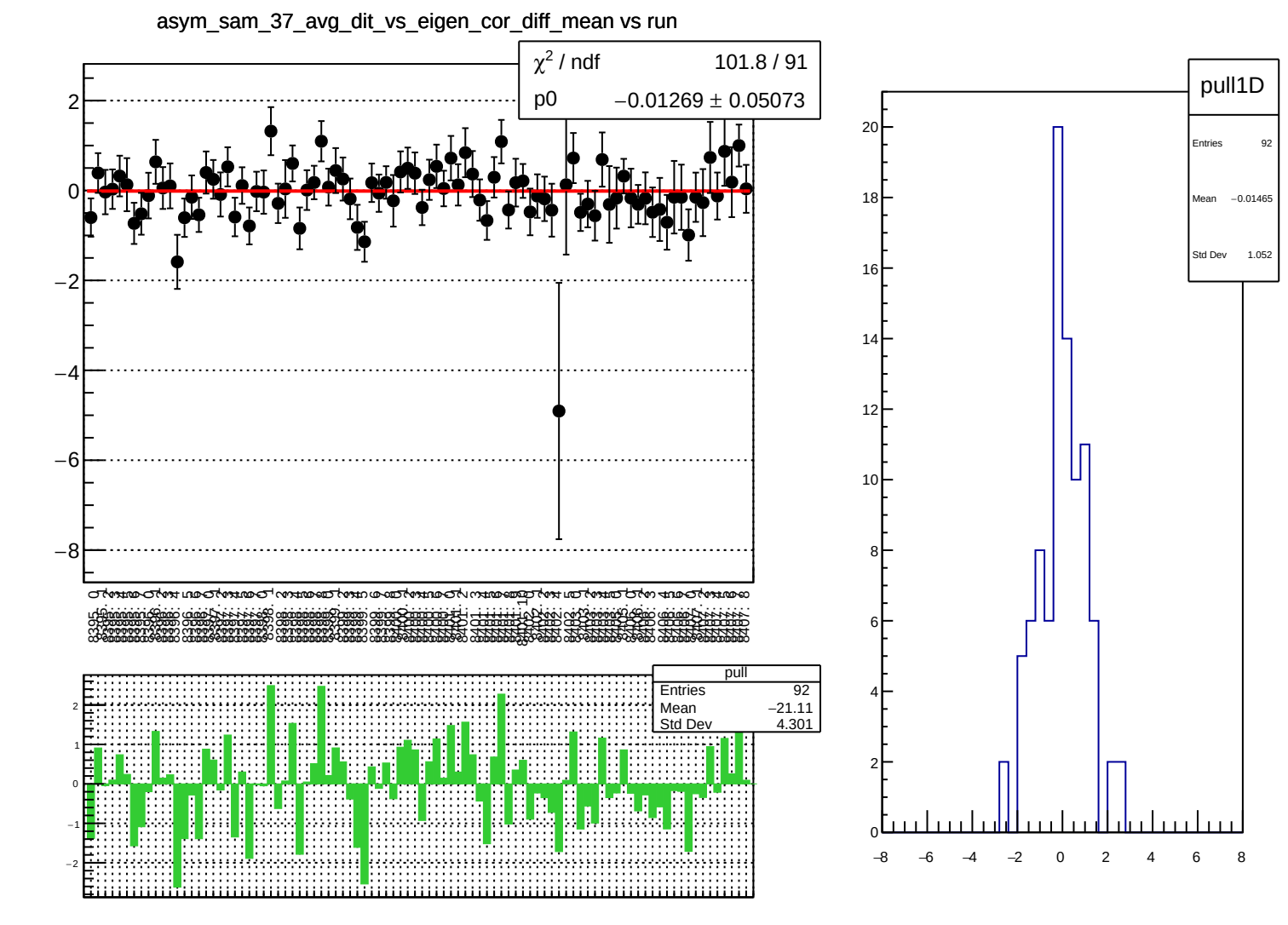

asym_sam_37_avg_rms vs run
χ² / ndf 7809 / 91
p0 1681 ± 1.284
2000
1900
1800
1700
1600
1500

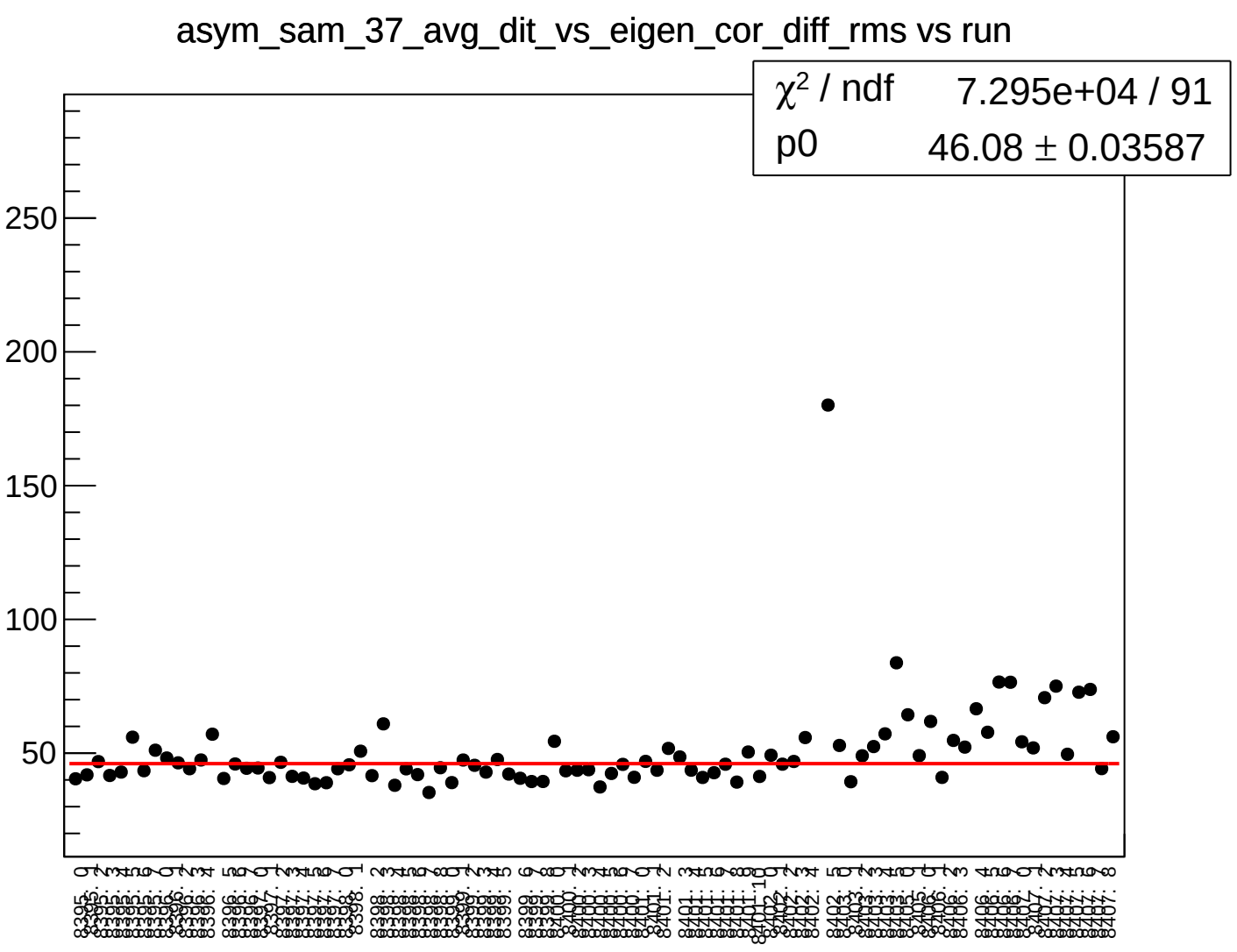

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.97 / 91
p0 6.652e−14 ± 1.743e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 92
Mean 108.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.008576
Std Dev 0.961
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

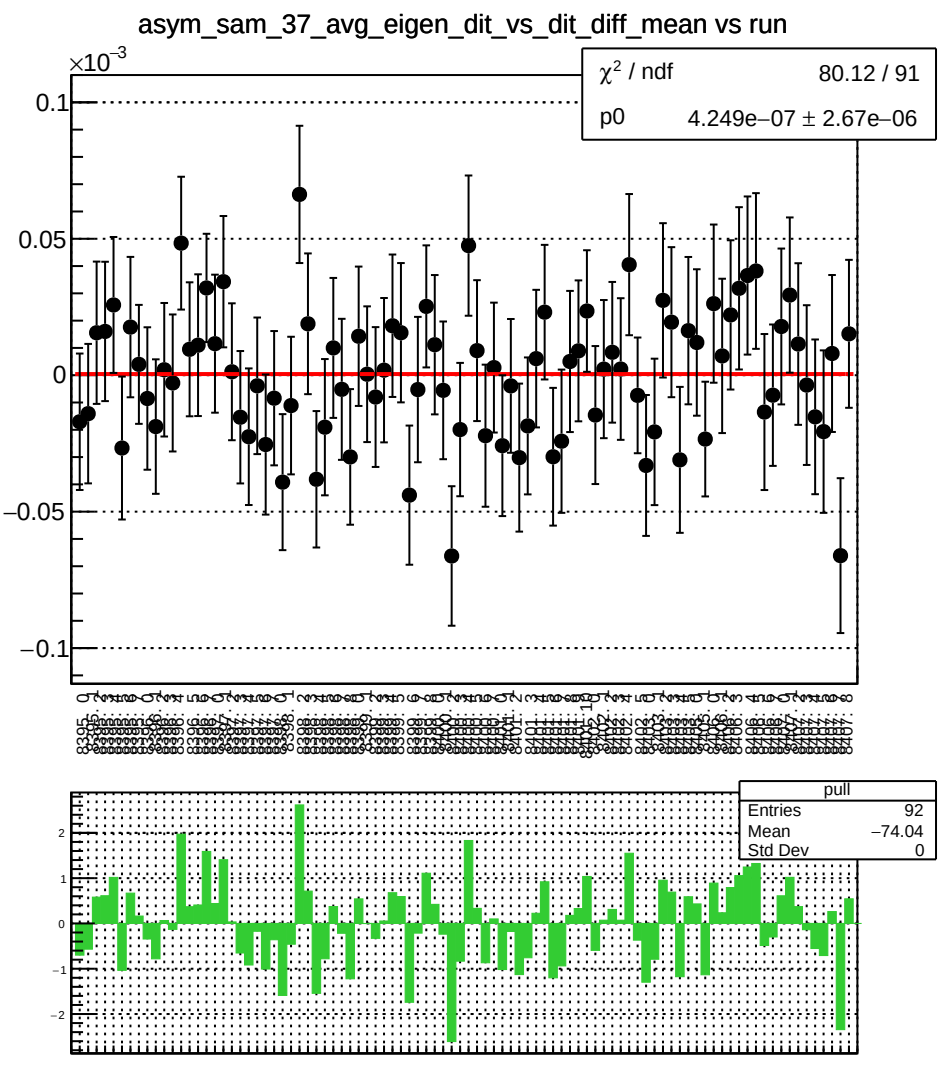

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.794e+05 / 91
p0 1.063e−10 ± 1.233e−13
0.1
0.08
0.06
0.04
0.02
0

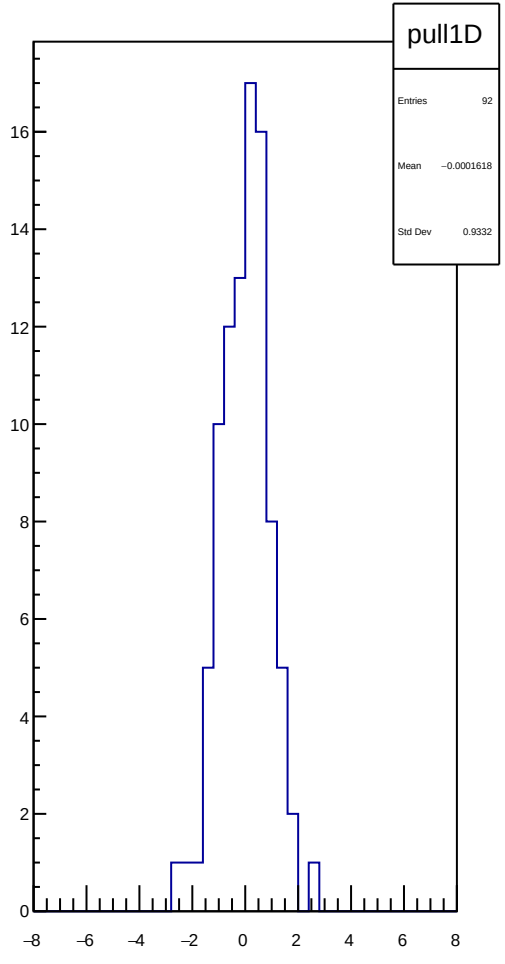

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 101.8 / 91
p0 −0.01269 ± 0.05073
pull
Entries 92
Mean −21.11
Std Dev 4.301
pull1D
Entries 92
Mean −0.01465
Std Dev 1.052

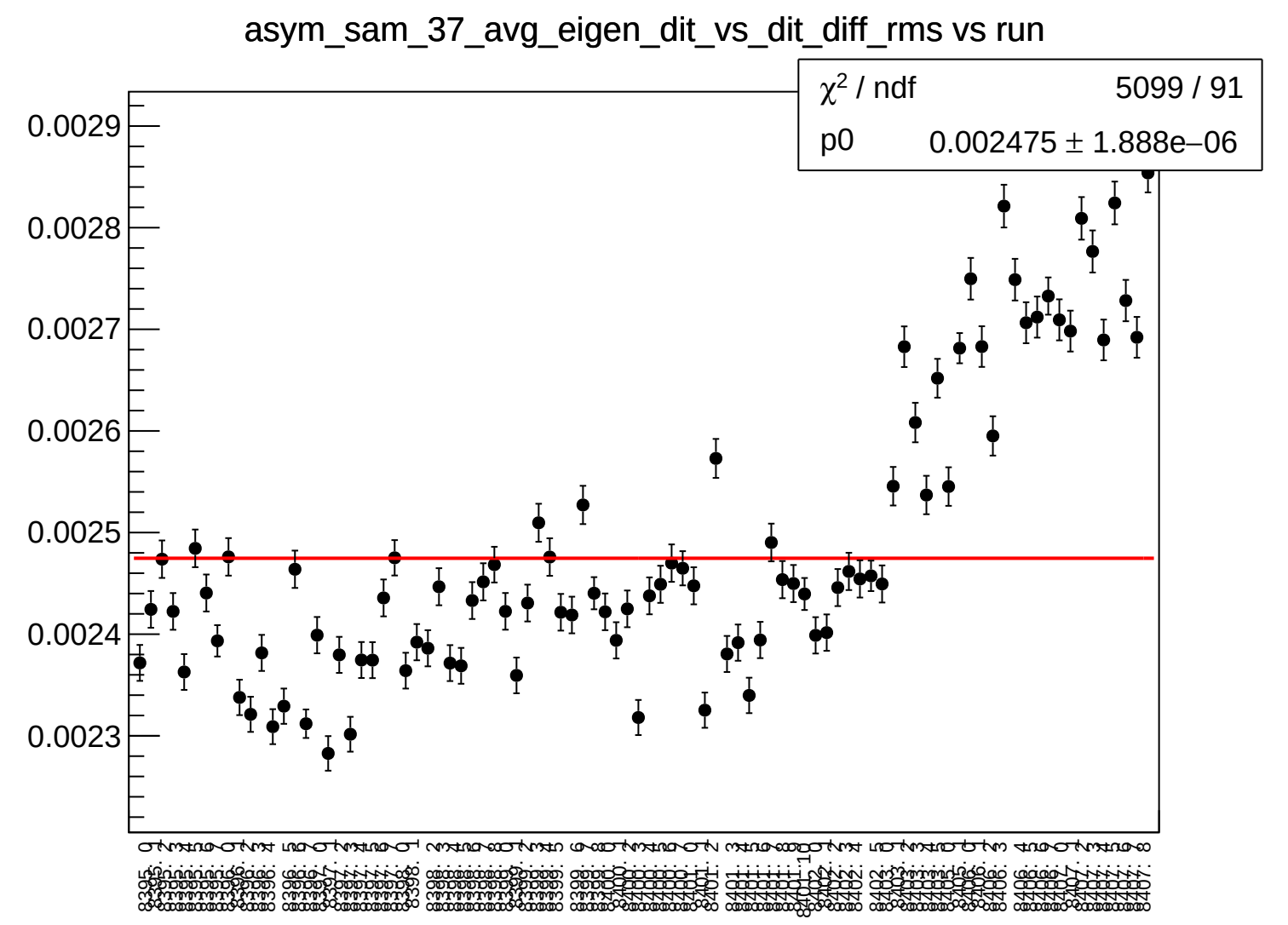

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.295e+04 / 91
p0 46.08 ± 0.03587
250
200
150
100
50

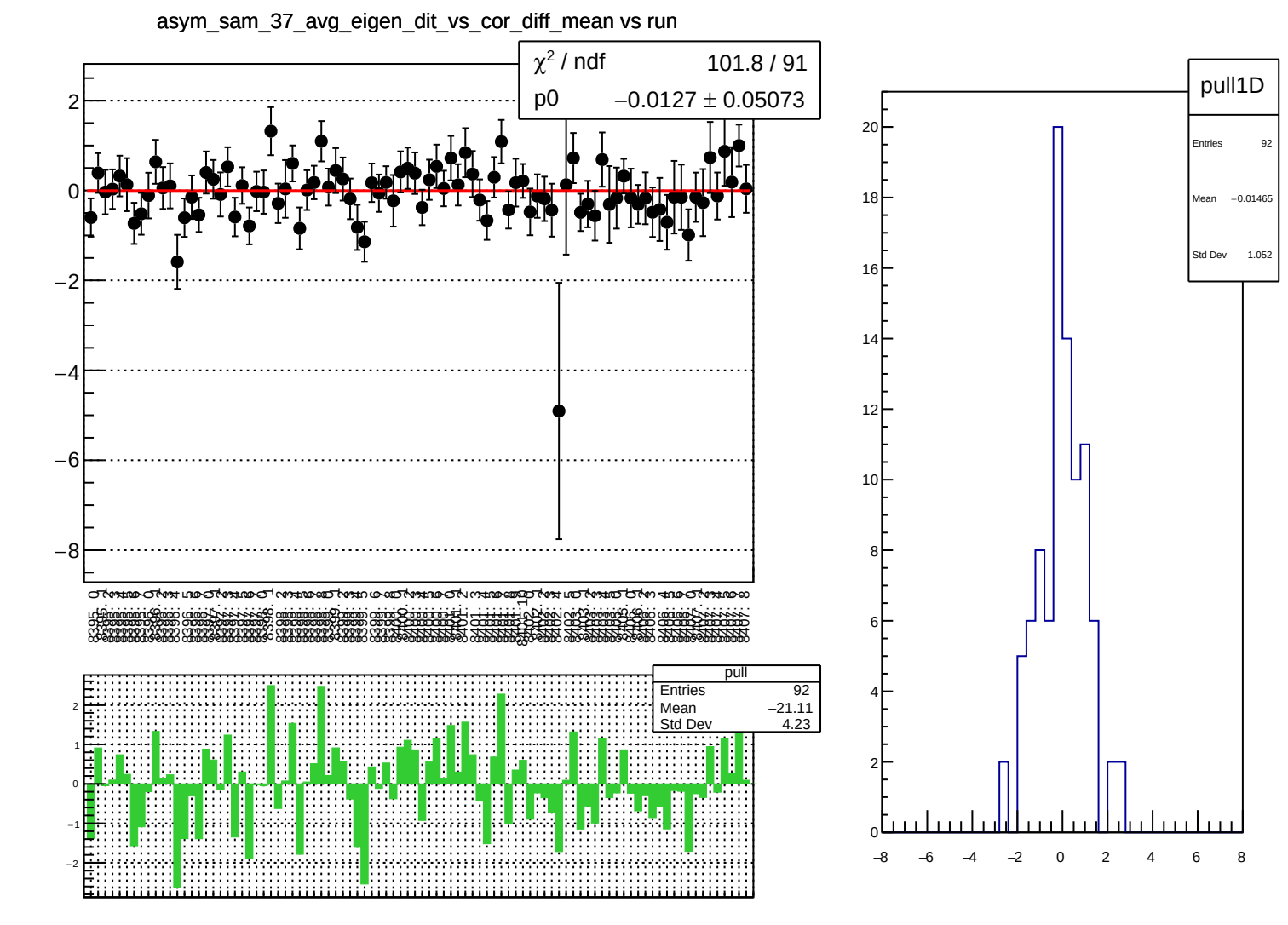

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.8 / 91
p0 −0.01269 ± 0.05073
pull
Entries 92
Mean −21.11
Std Dev 4.301
pull1D
Entries 92
Mean −0.01465
Std Dev 1.052

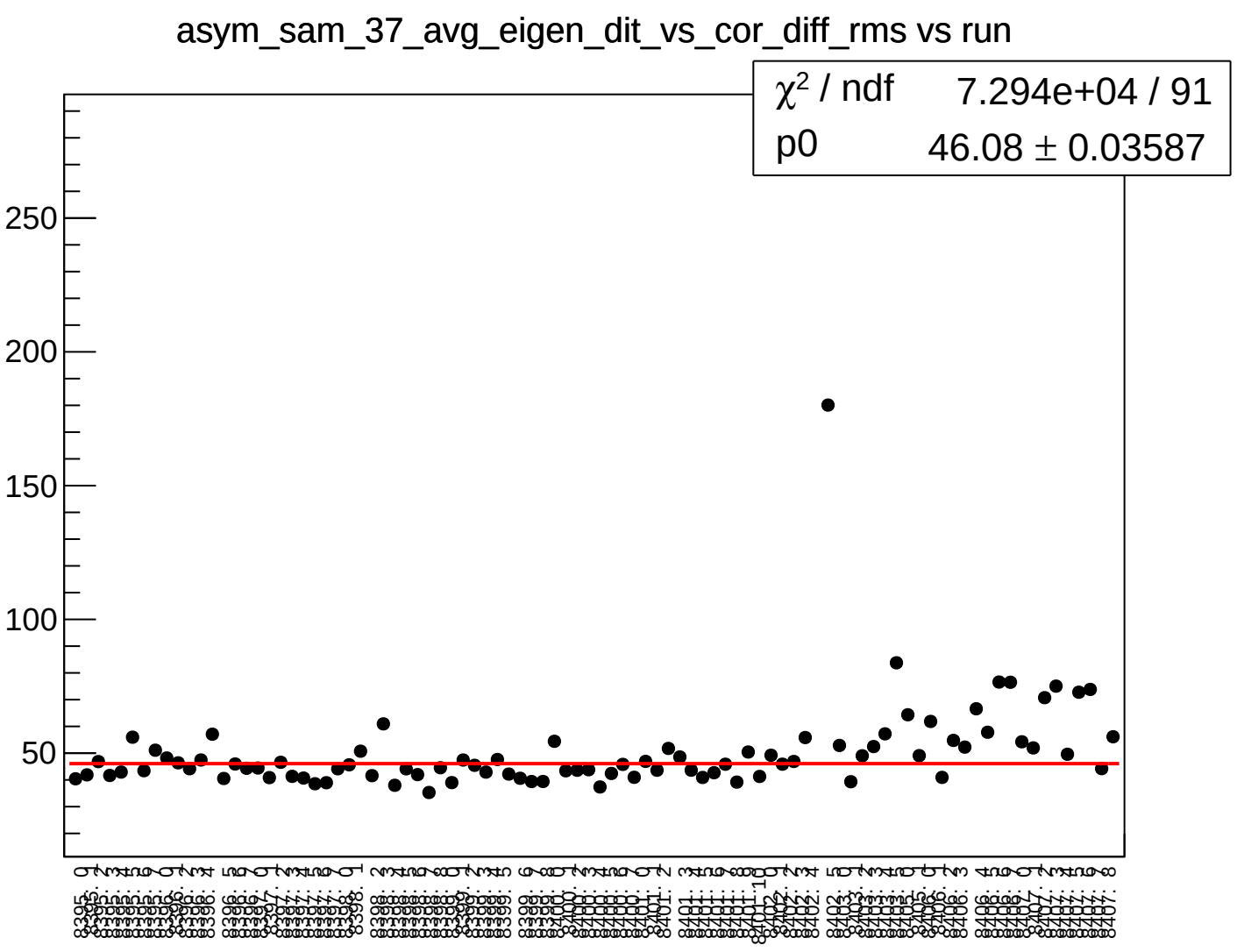

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.295e+04 / 91
p0 46.08 ± 0.03587
250
200
150
100
50

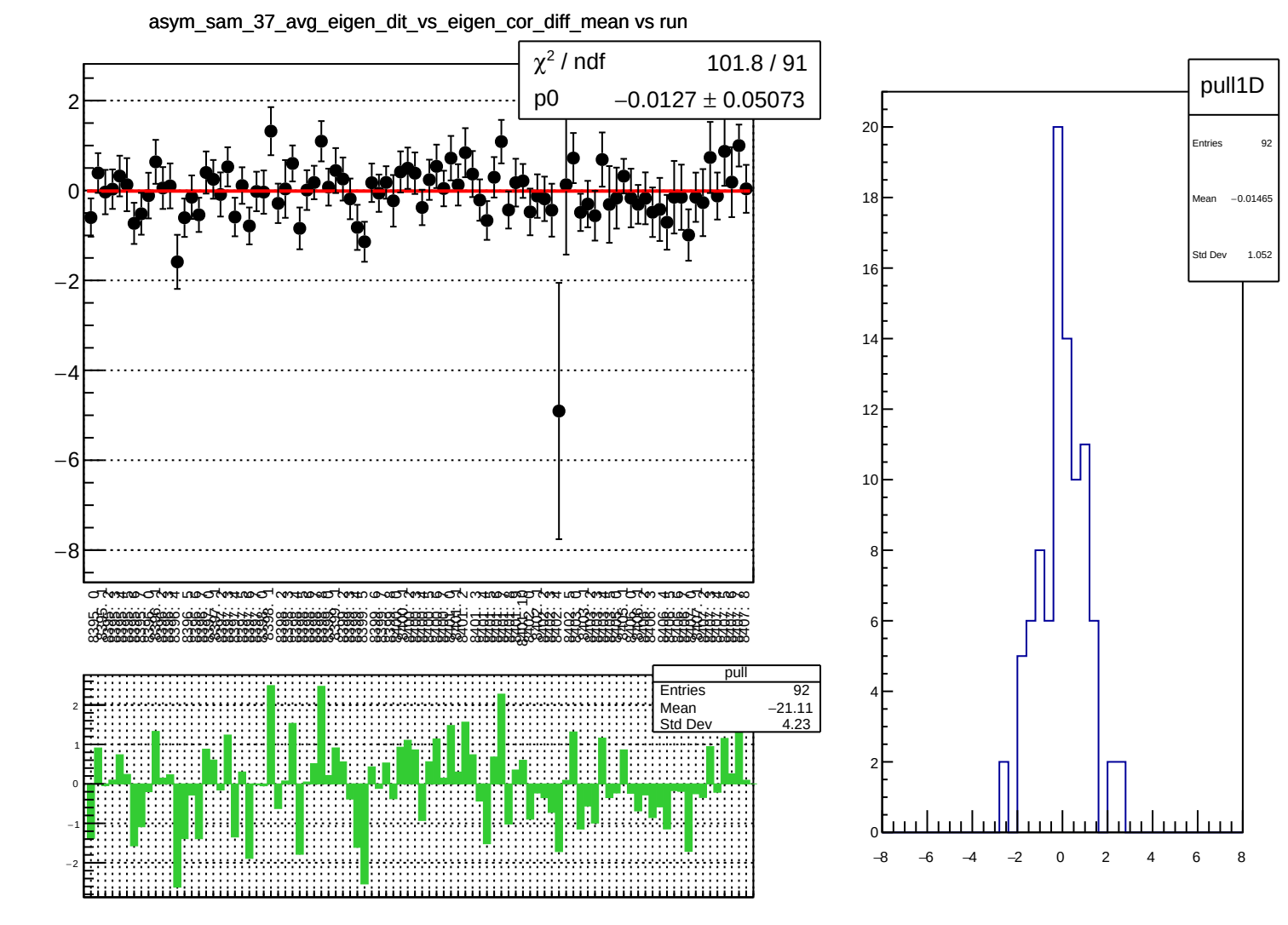

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 80.12 / 91
p0 4.249e−07 ± 2.67e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 92
Mean −74.04
Std Dev 0
2
1
0
−1
−2

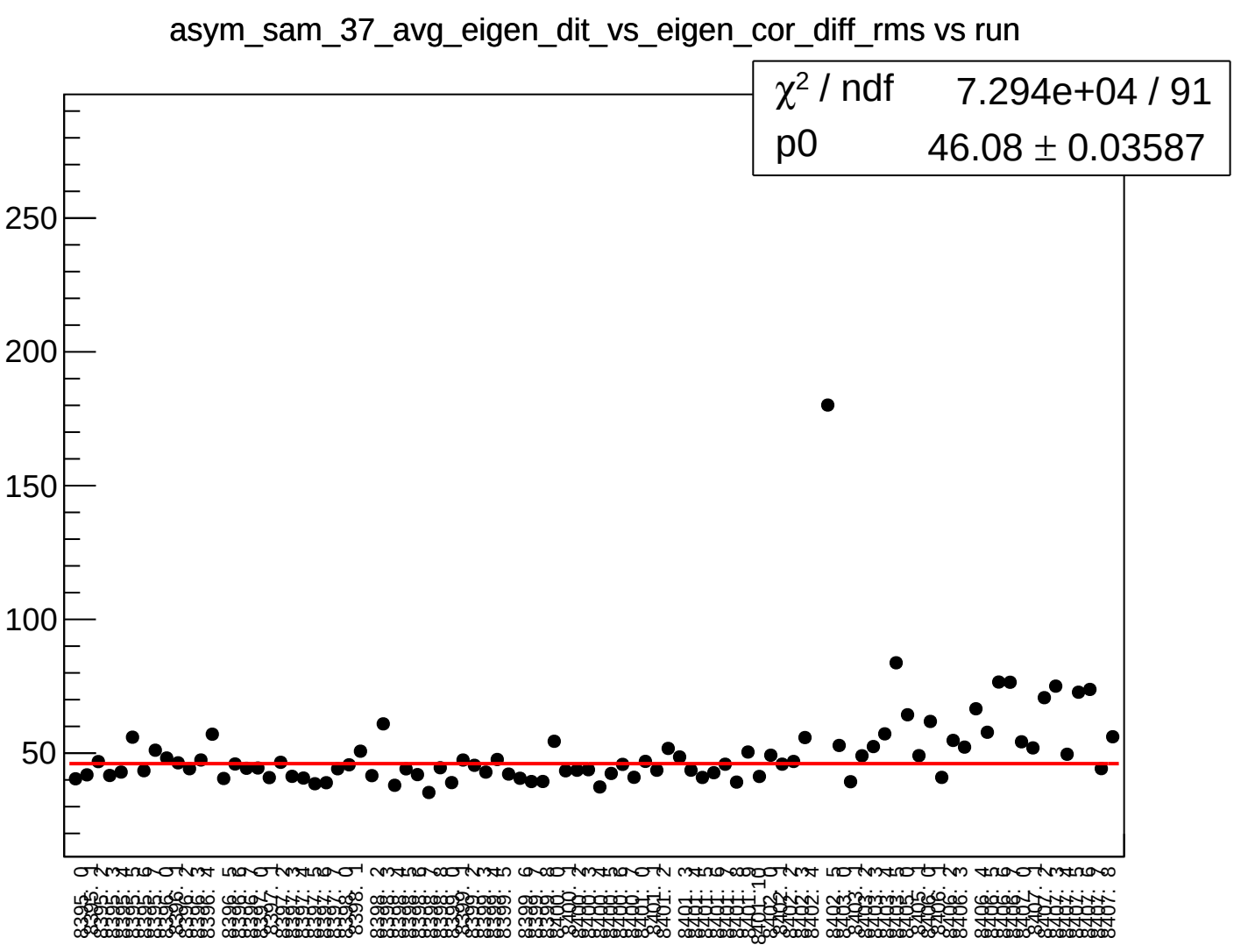

pull1D
Entries 92
Mean −0.0001618
Std Dev 0.9332
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

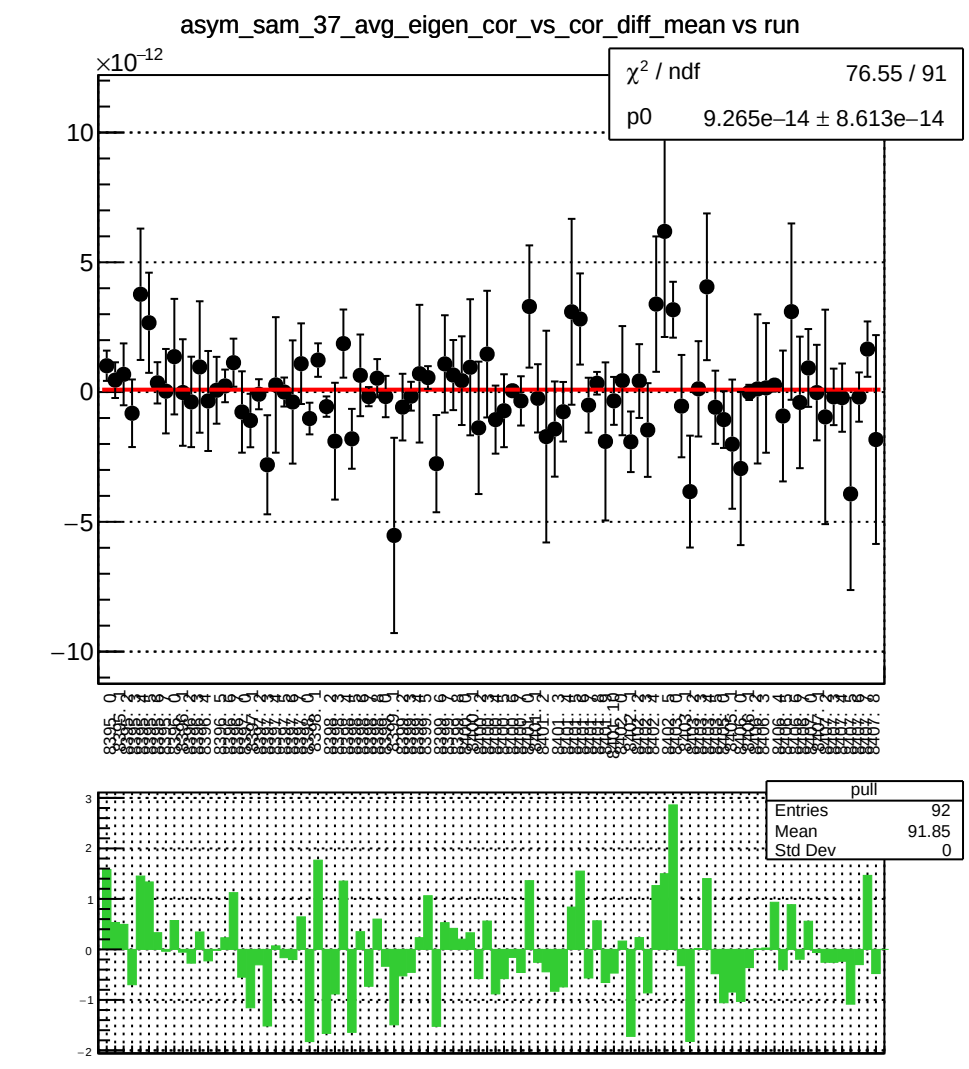

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5099 / 91
p0 0.002475 ± 1.888e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

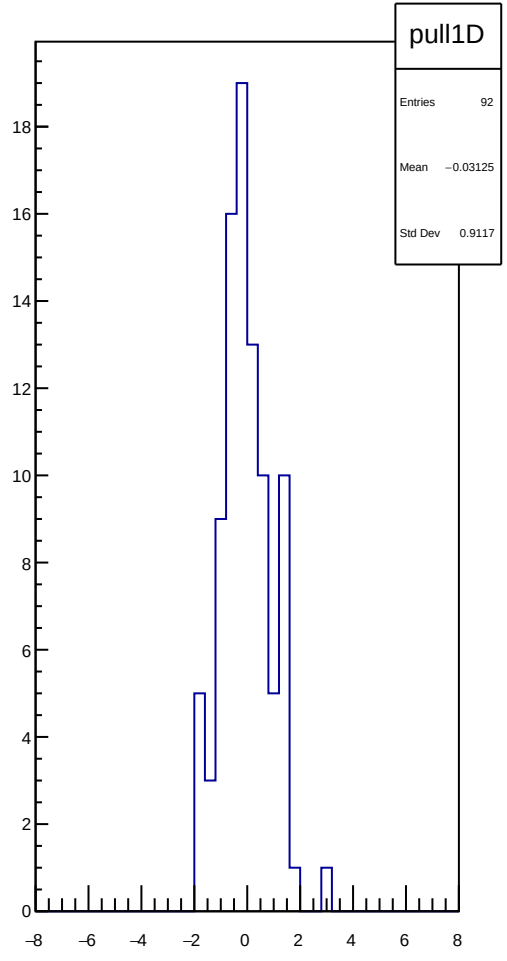

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 101.8 / 91
p0 −0.0127 ± 0.05073
pull
Entries 92
Mean −21.11
Std Dev 4.23
pull1D
Entries 92
Mean −0.01465
Std Dev 1.052

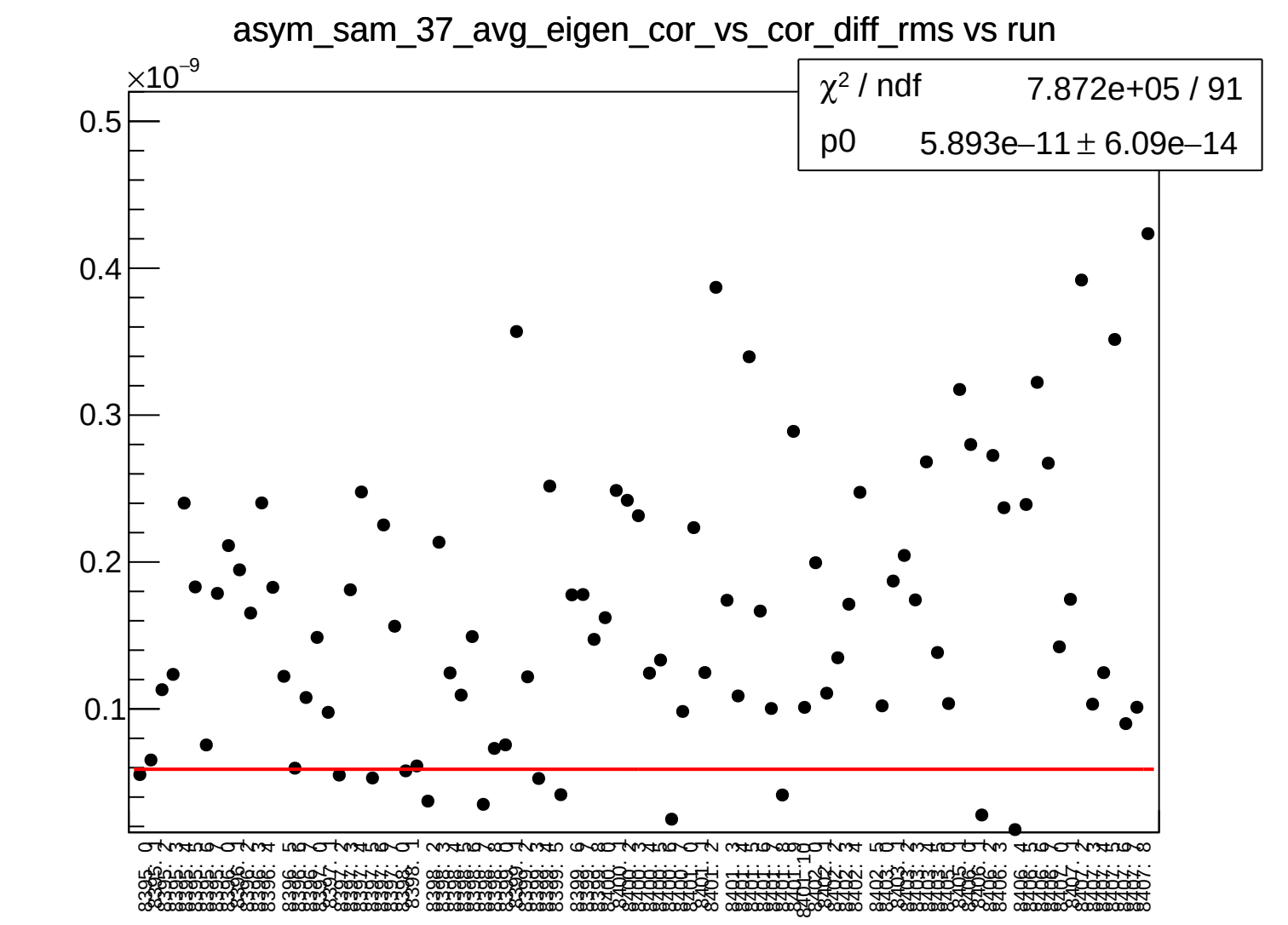

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.294e+04 / 91
p0 46.08 ± 0.03587
250
200
150
100
50

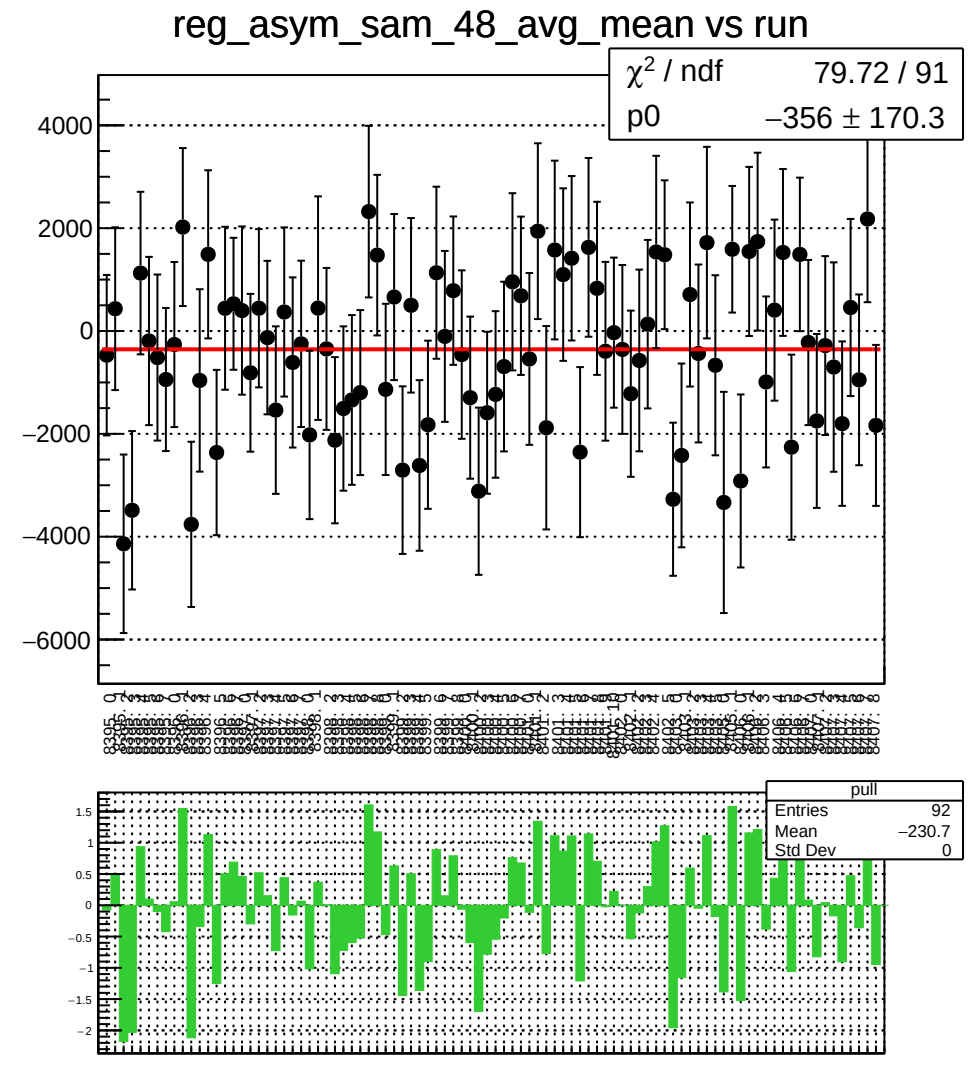

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.8 / 91
p0 −0.0127 ± 0.05073
pull
Entries 92
Mean −21.11
Std Dev 4.23
pull1D
Entries 92
Mean −0.01465
Std Dev 1.052

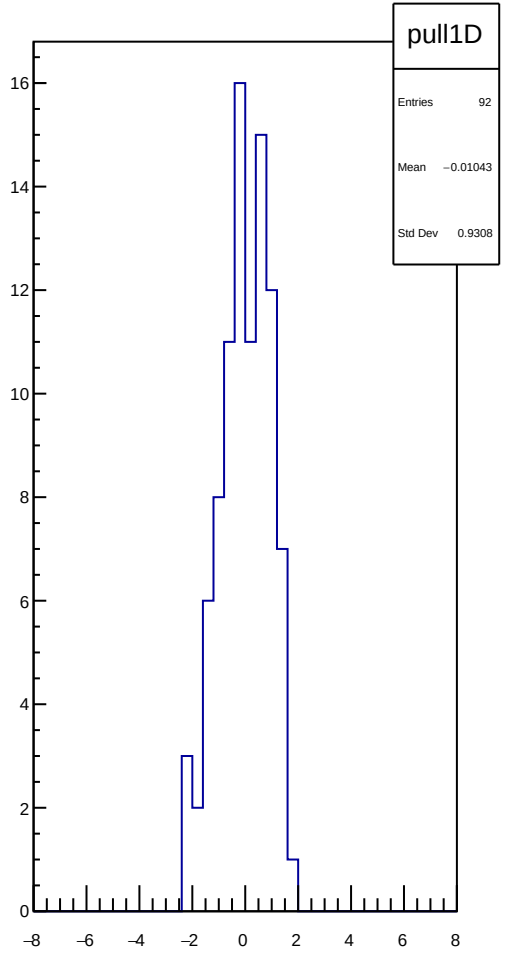

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.294e+04 / 91
p0 46.08 ± 0.03587
250
200
150
100
50

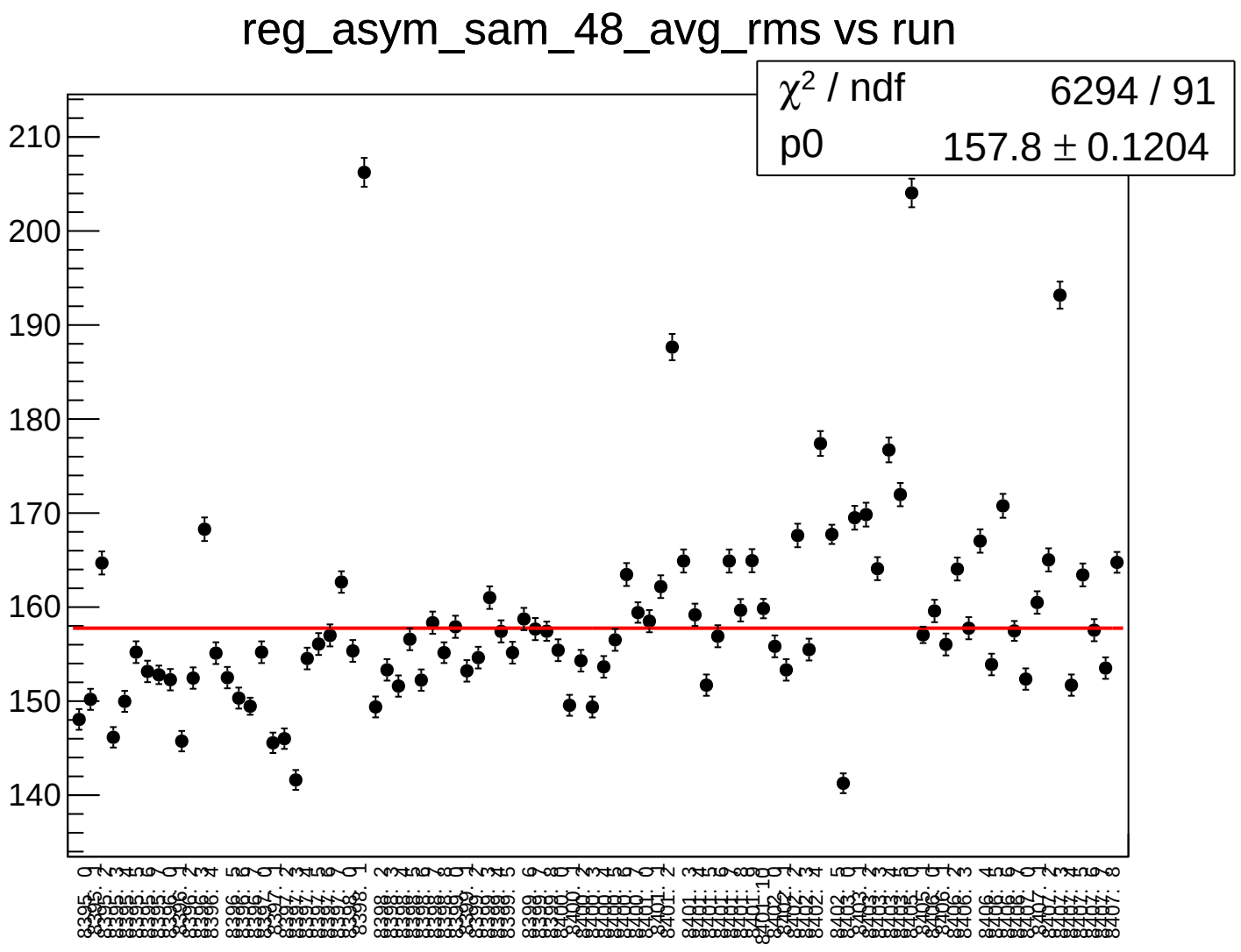

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.55 / 91
p0 9.265e−14 ± 8.613e−14
pull
Entries 92
Mean 91.85
Std Dev 0

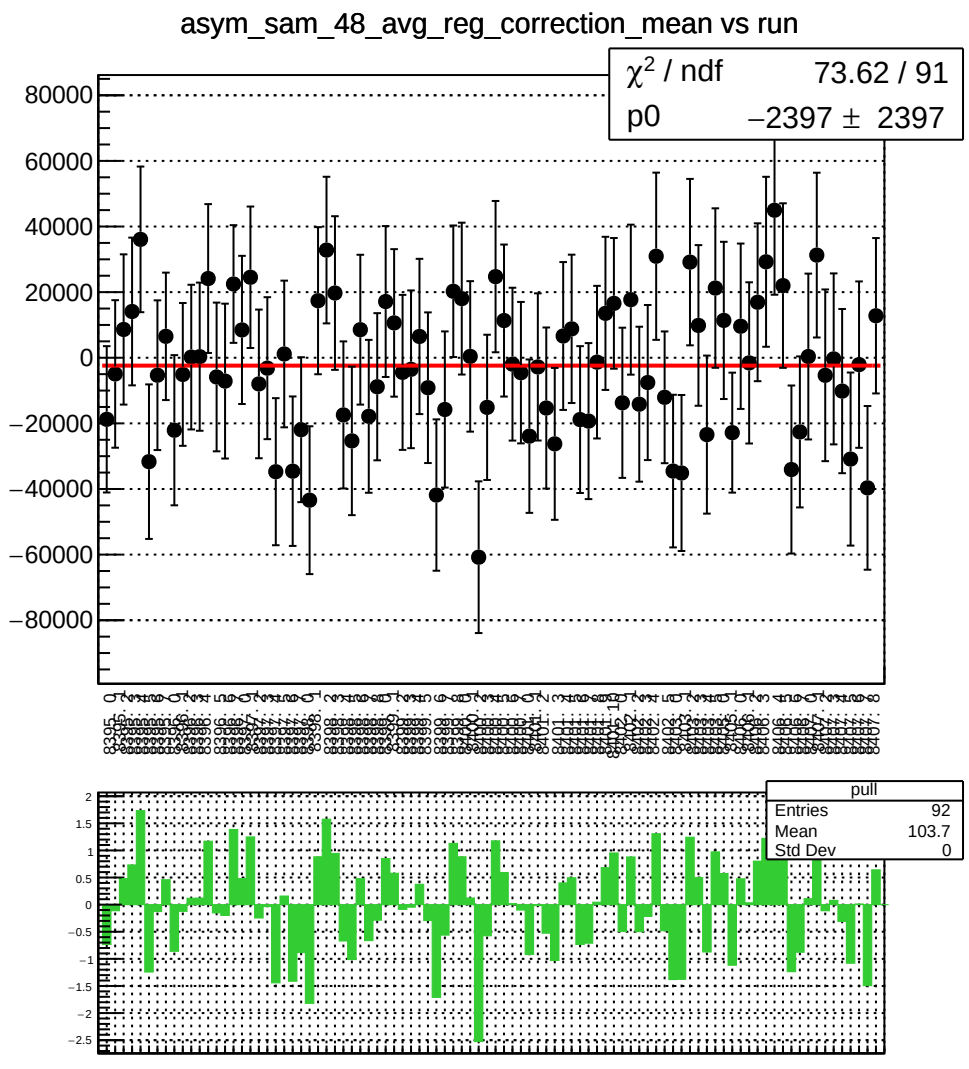

pull1D
Entries 92
Mean −0.03125
Std Dev 0.9117

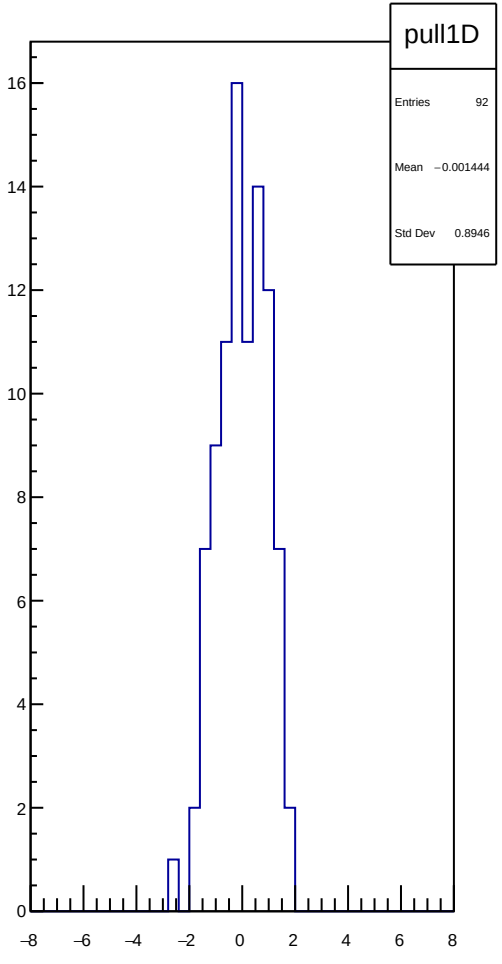

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.872e+05 / 91
p0 5.893e−11 ± 6.09e−14
0.5
0.4
0.3
0.2
0.1

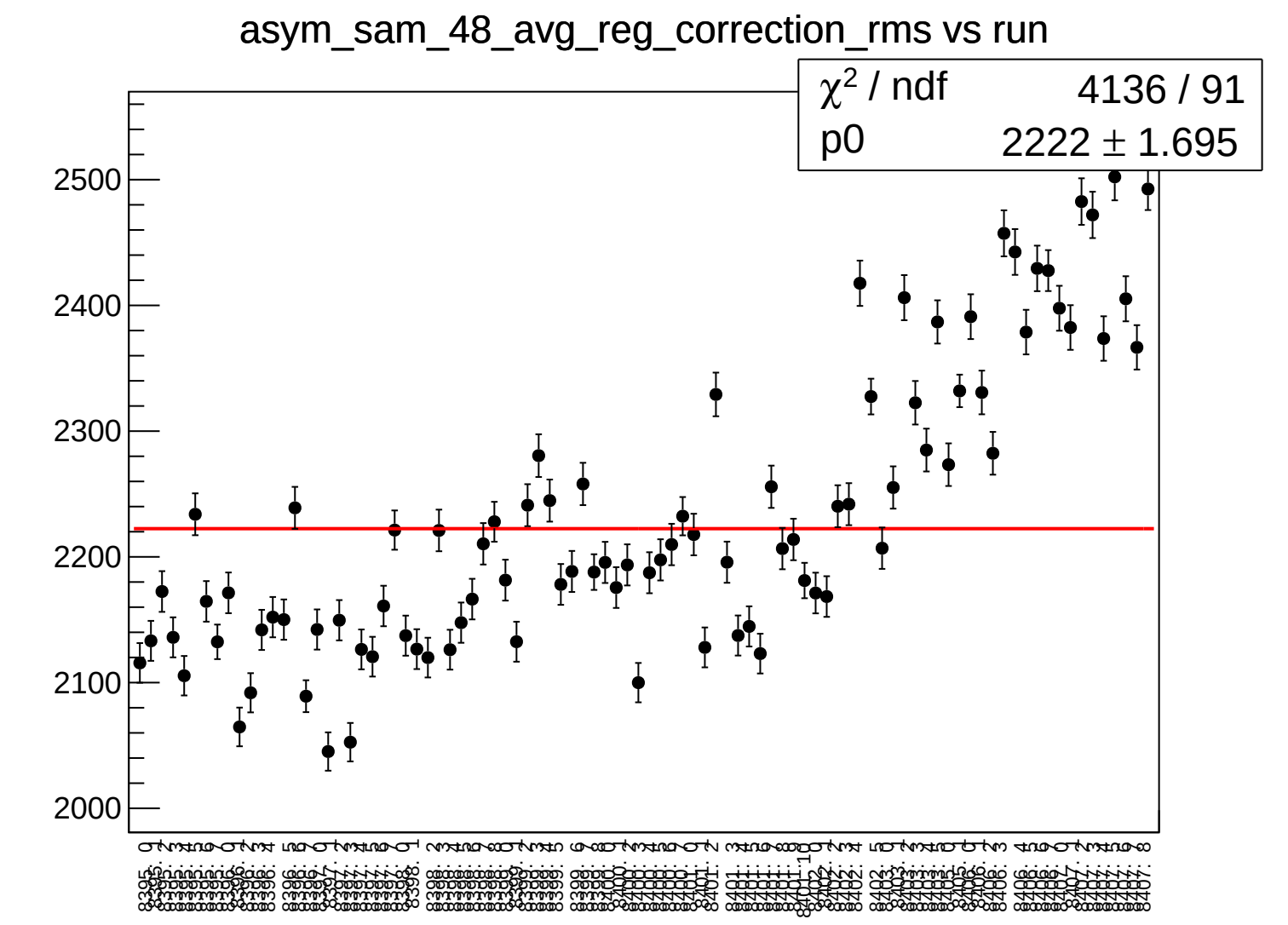

reg_asym_sam_48_avg_mean vs run
χ² / ndf 79.72 / 91
p0 −356 ± 170.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −230.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

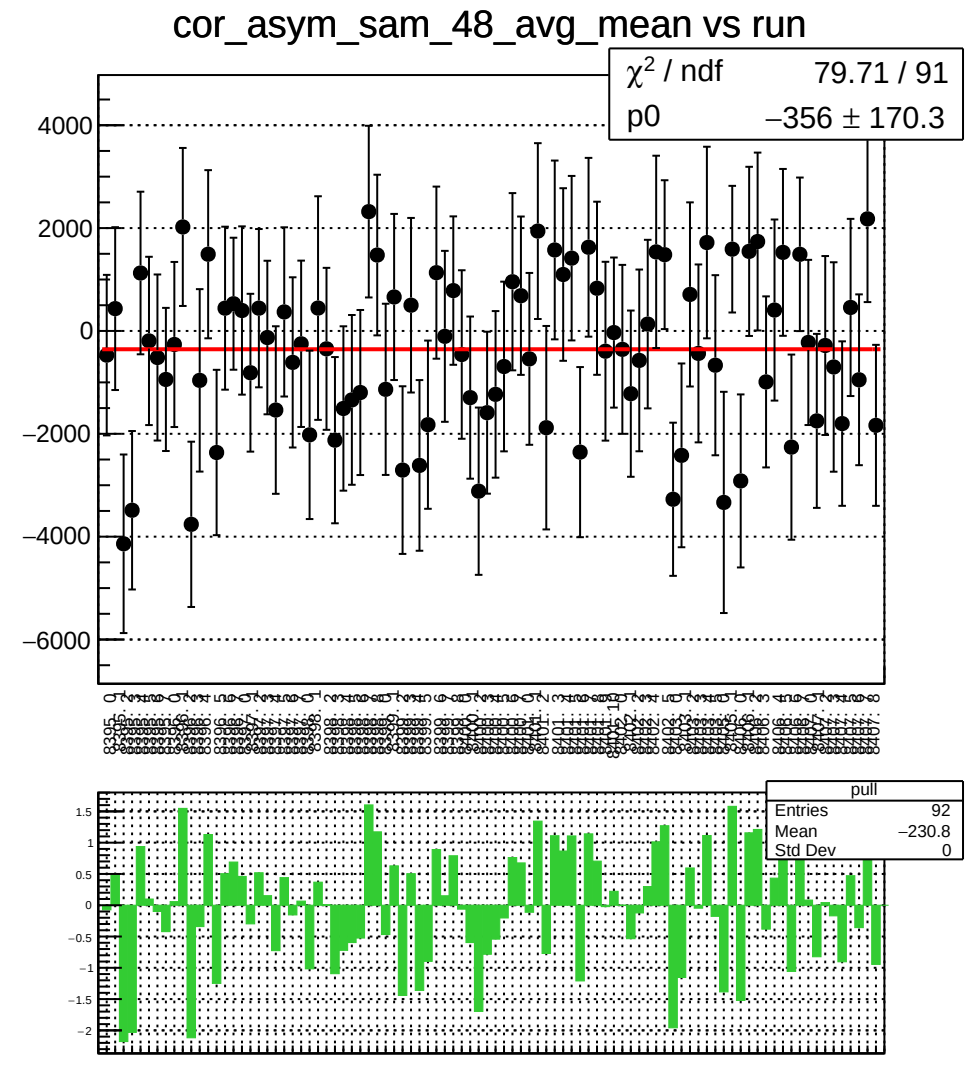

pull1D
Entries 92
Mean −0.01043
Std Dev 0.9308
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

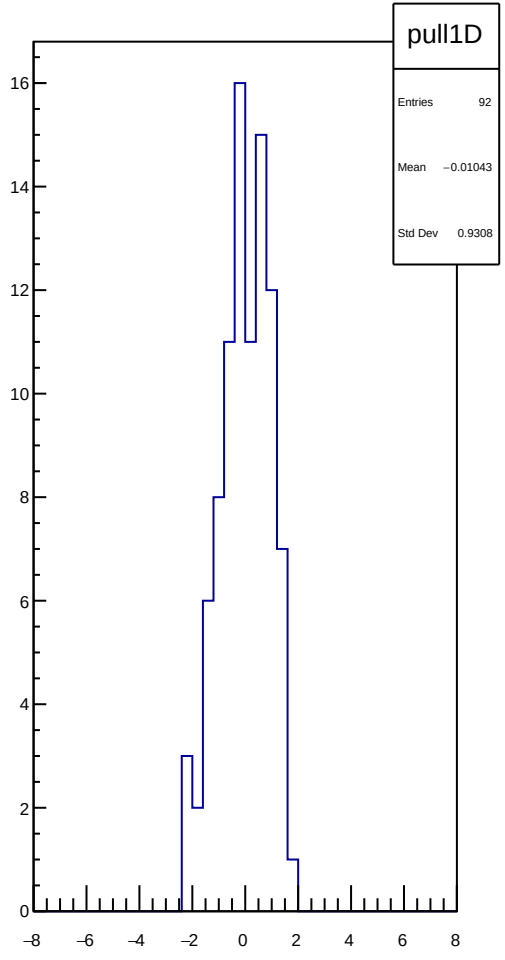

reg_asym_sam_48_avg_rms vs run
χ² / ndf 6294 / 91
p0 157.8 ± 0.1204
210
200
190
180
170
160
150
140

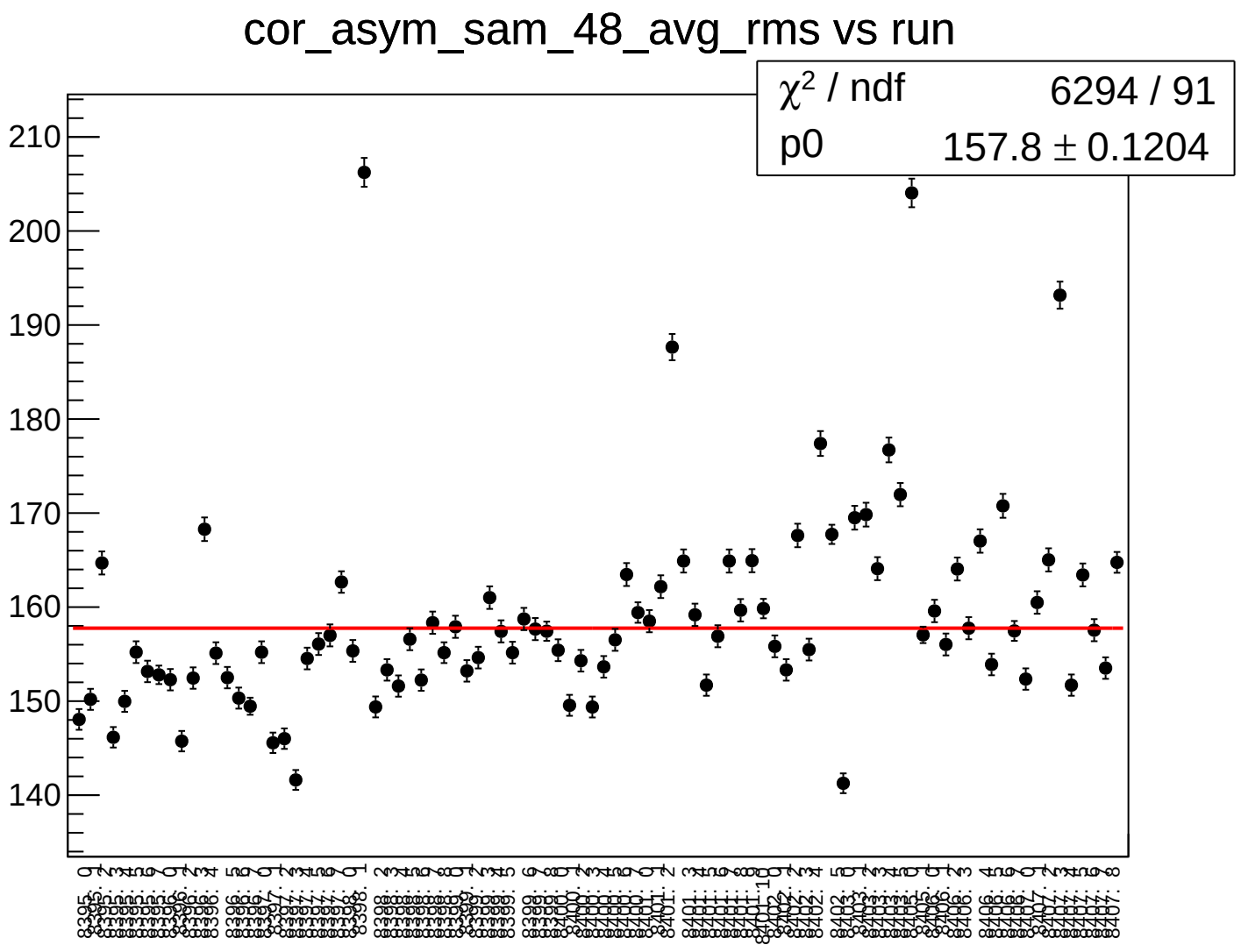

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 73.62 / 91
p0 −2397 ± 2397
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

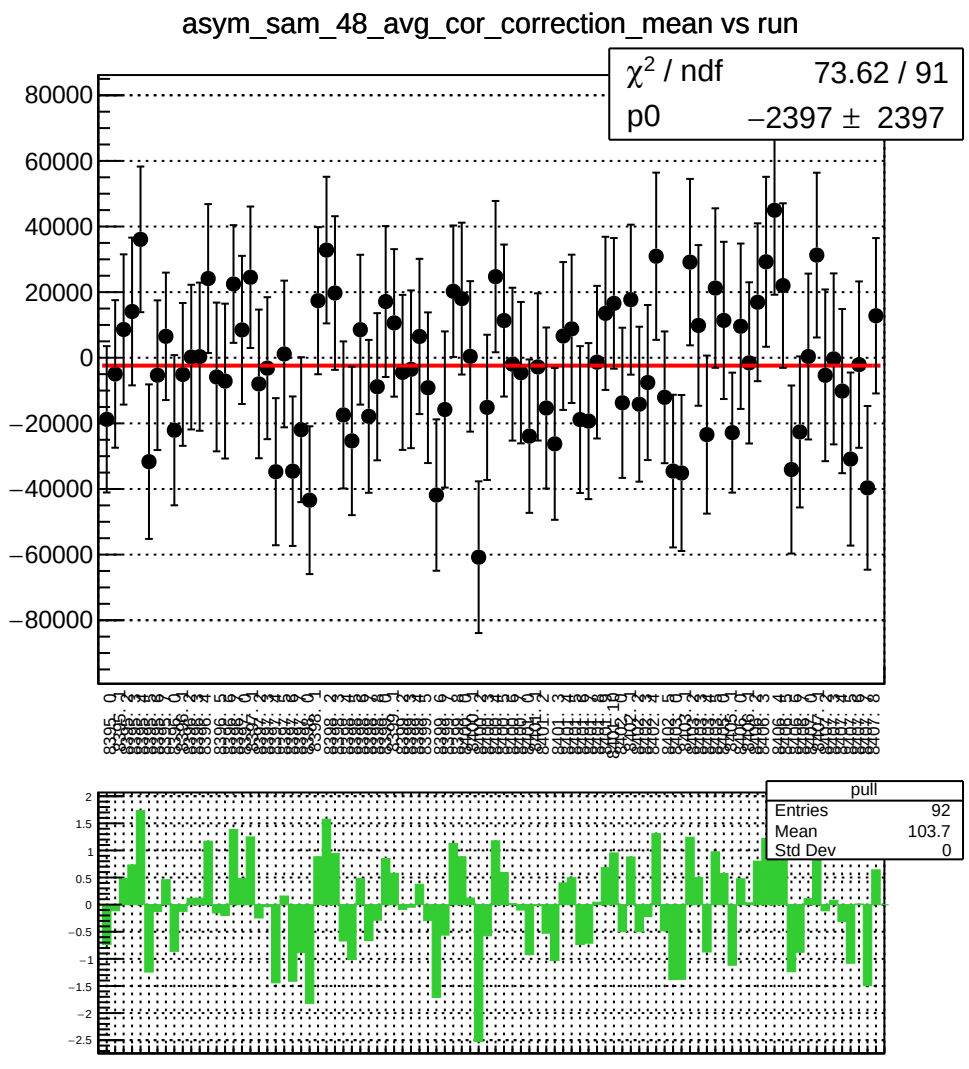

pull1D
Entries 92
Mean −0.001444
Std Dev 0.8946
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

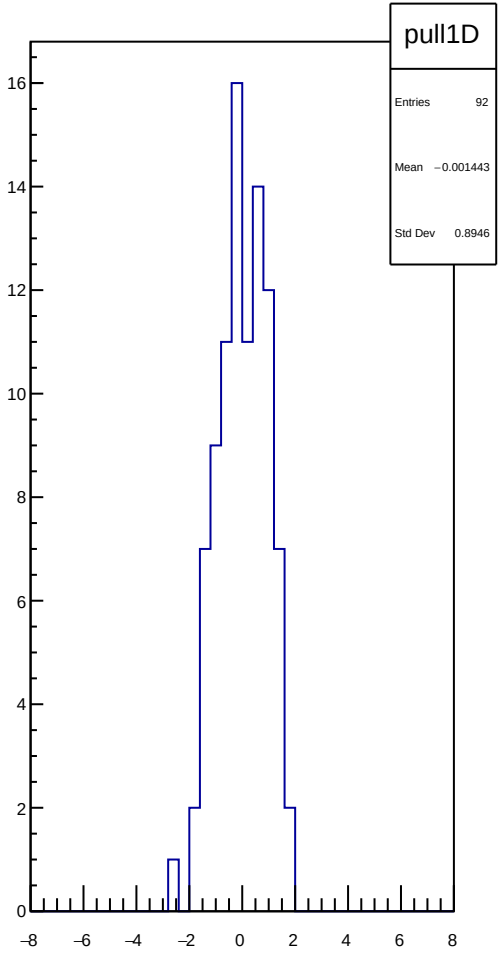

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 4136 / 91
p0 2222 ± 1.695
2500
2400
2300
2200
2100
2000

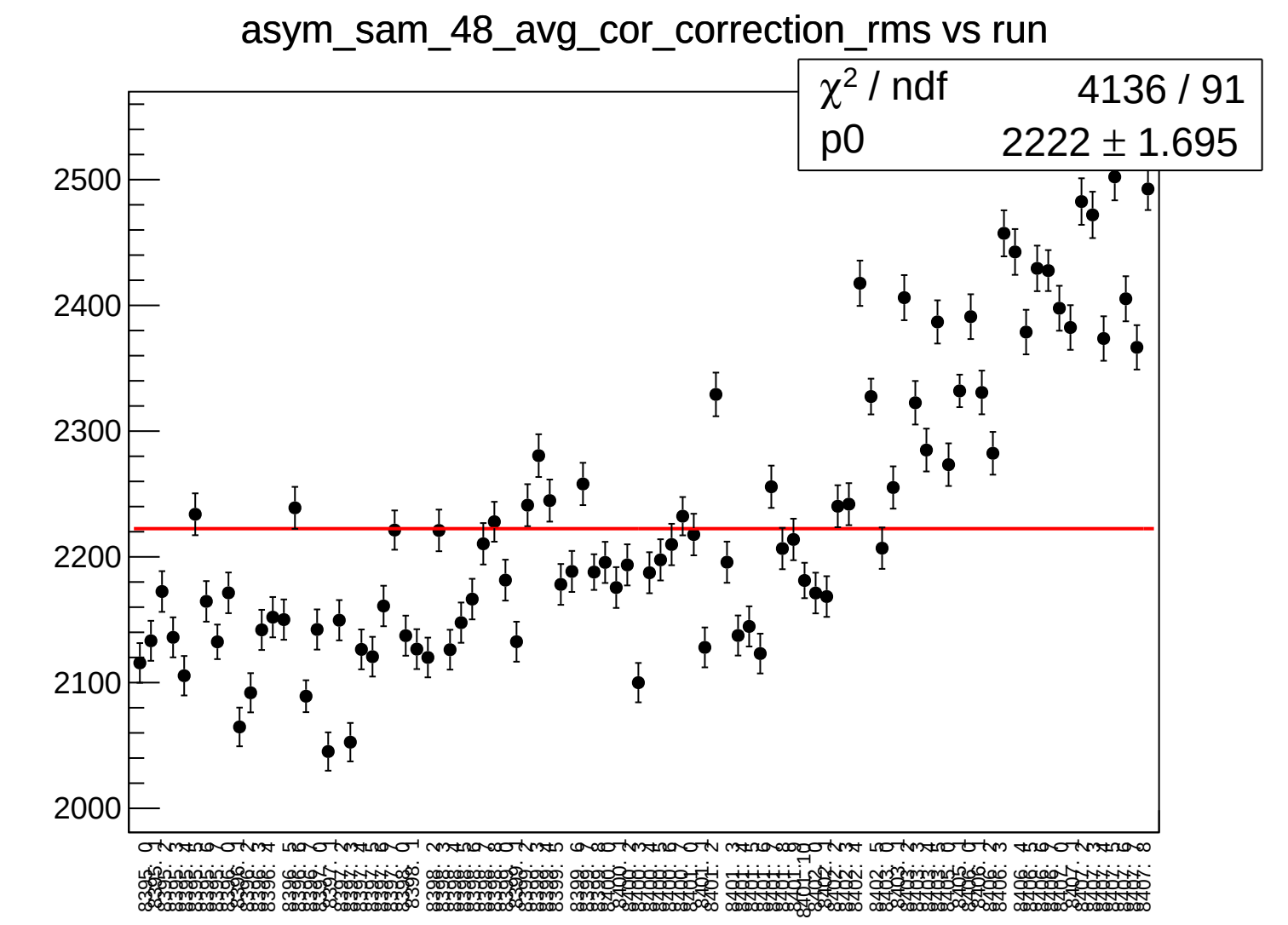

cor_asym_sam_48_avg_mean vs run
χ² / ndf 79.71 / 91
p0 −356 ± 170.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −230.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

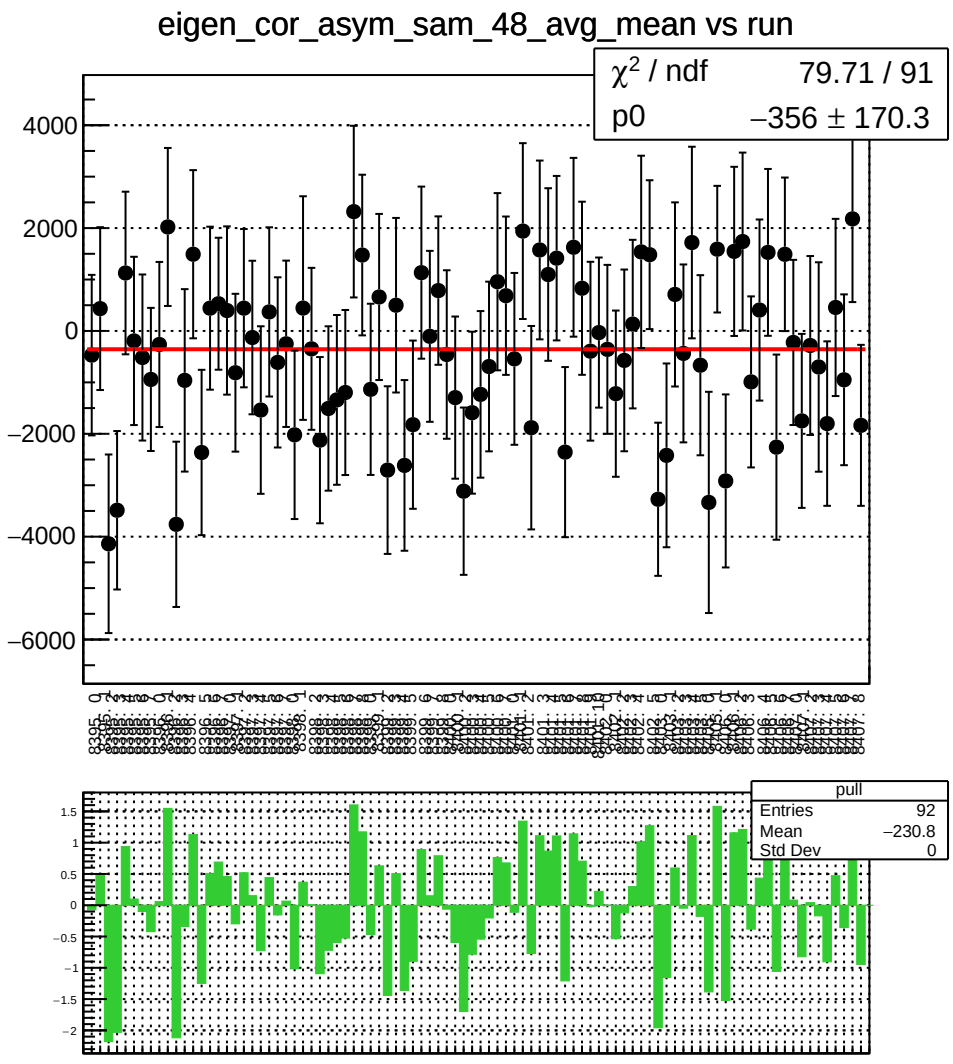

pull1D
Entries 92
Mean −0.01043
Std Dev 0.9308
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

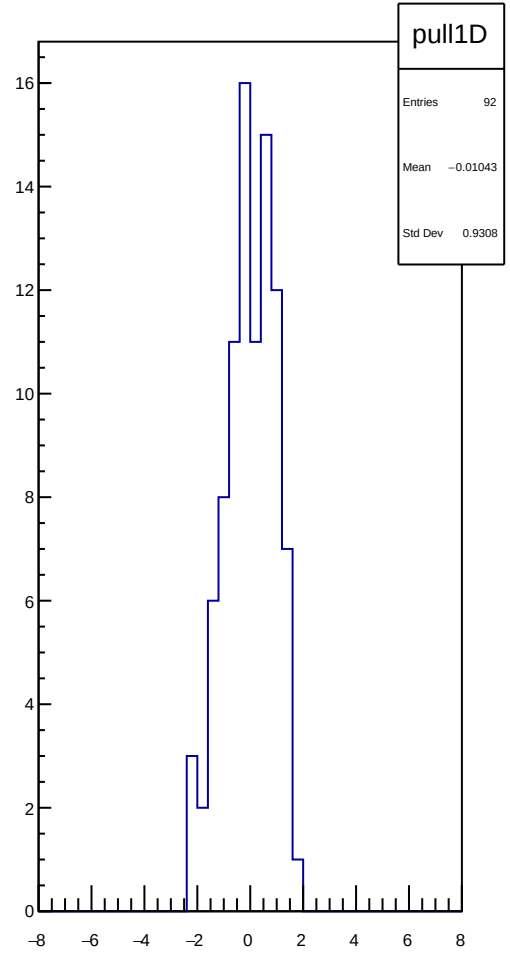

cor_asym_sam_48_avg_rms vs run
χ² / ndf 6294 / 91
p0 157.8 ± 0.1204
210
200
190
180
170
160
150
140

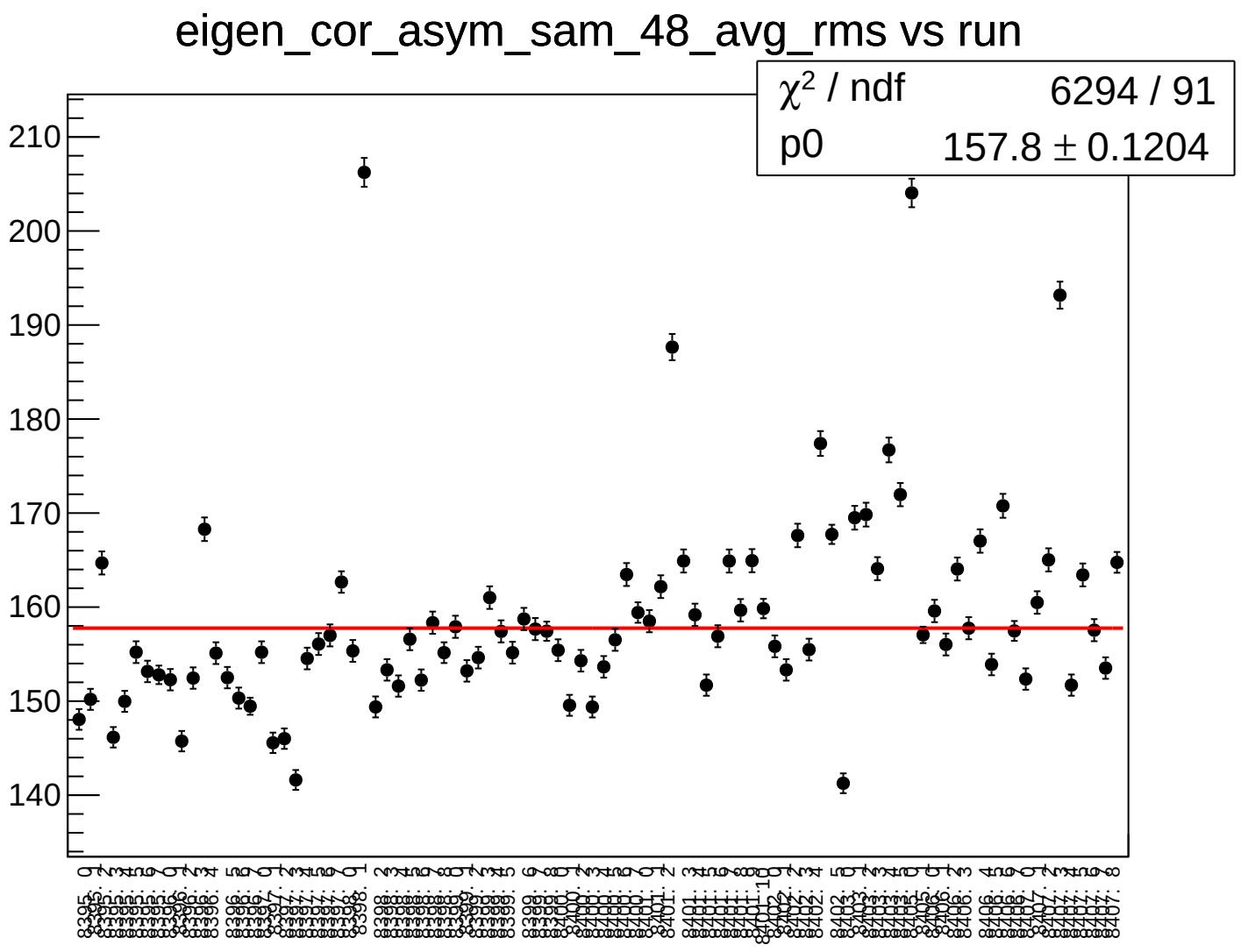

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 73.62 / 91
p0 −2397 ± 2397
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 103.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

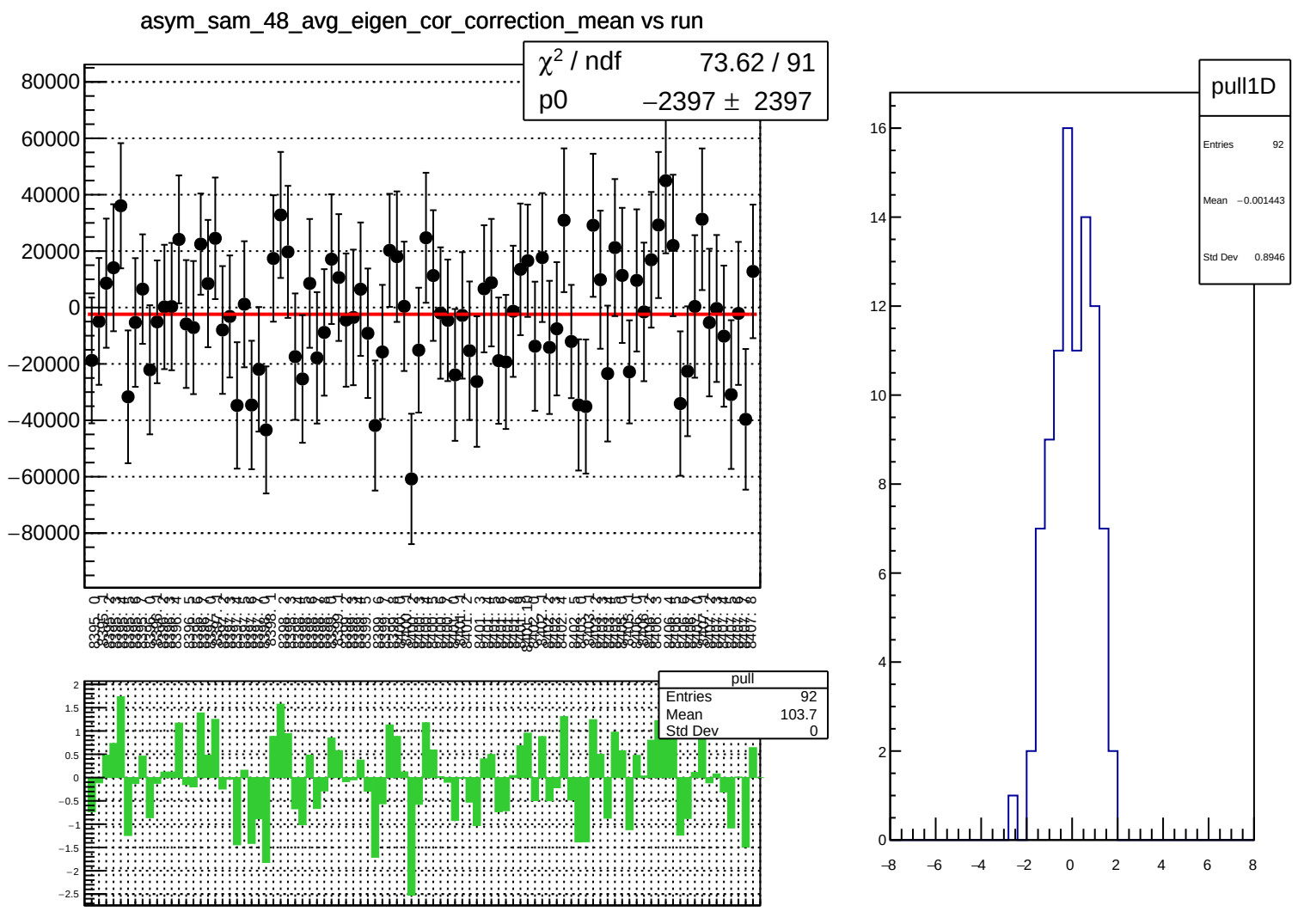

pull1D
Entries 92
Mean −0.001443
Std Dev 0.8946
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

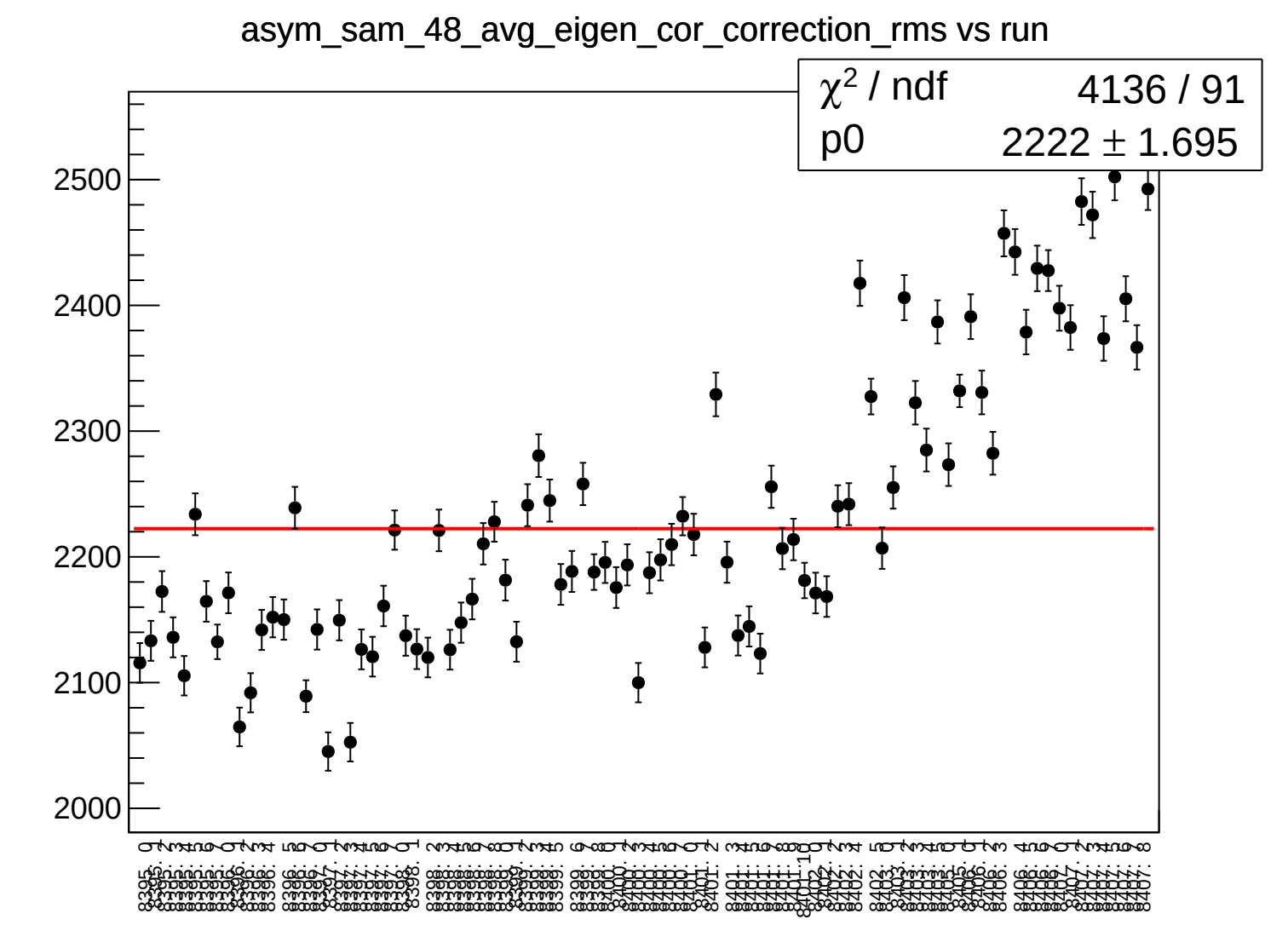

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 4136 / 91
p0 2222 ± 1.695
2500
2400
2300
2200
2100
2000

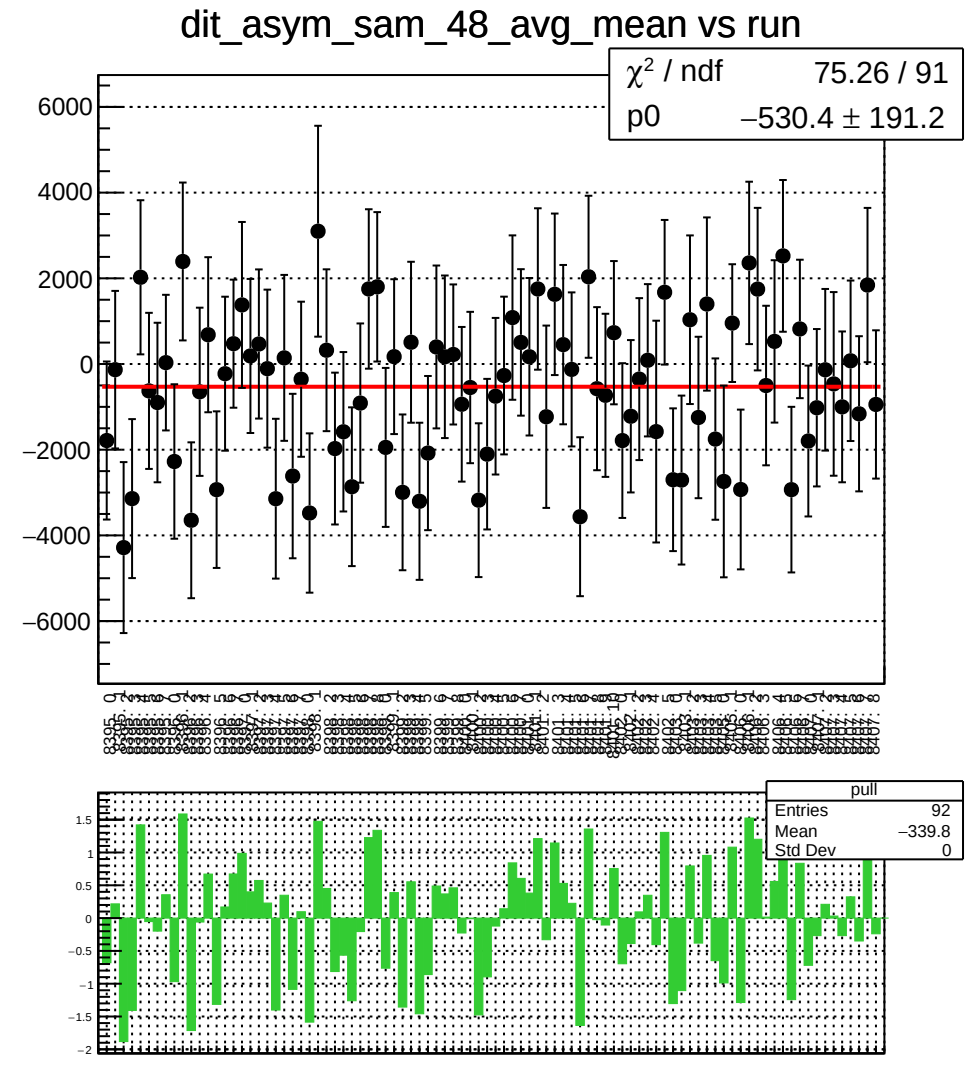

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 79.71 / 91
p0 −356 ± 170.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −230.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

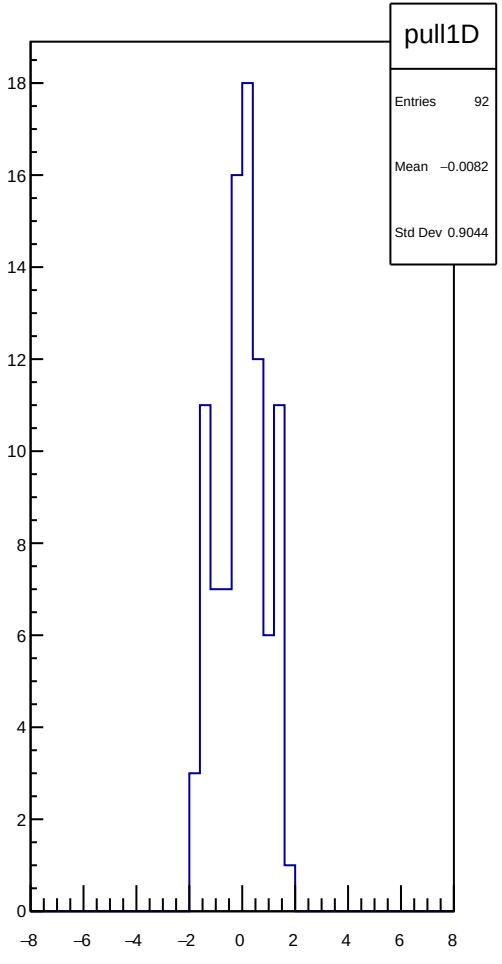

pull1D
Entries 92
Mean −0.01043
Std Dev 0.9308
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

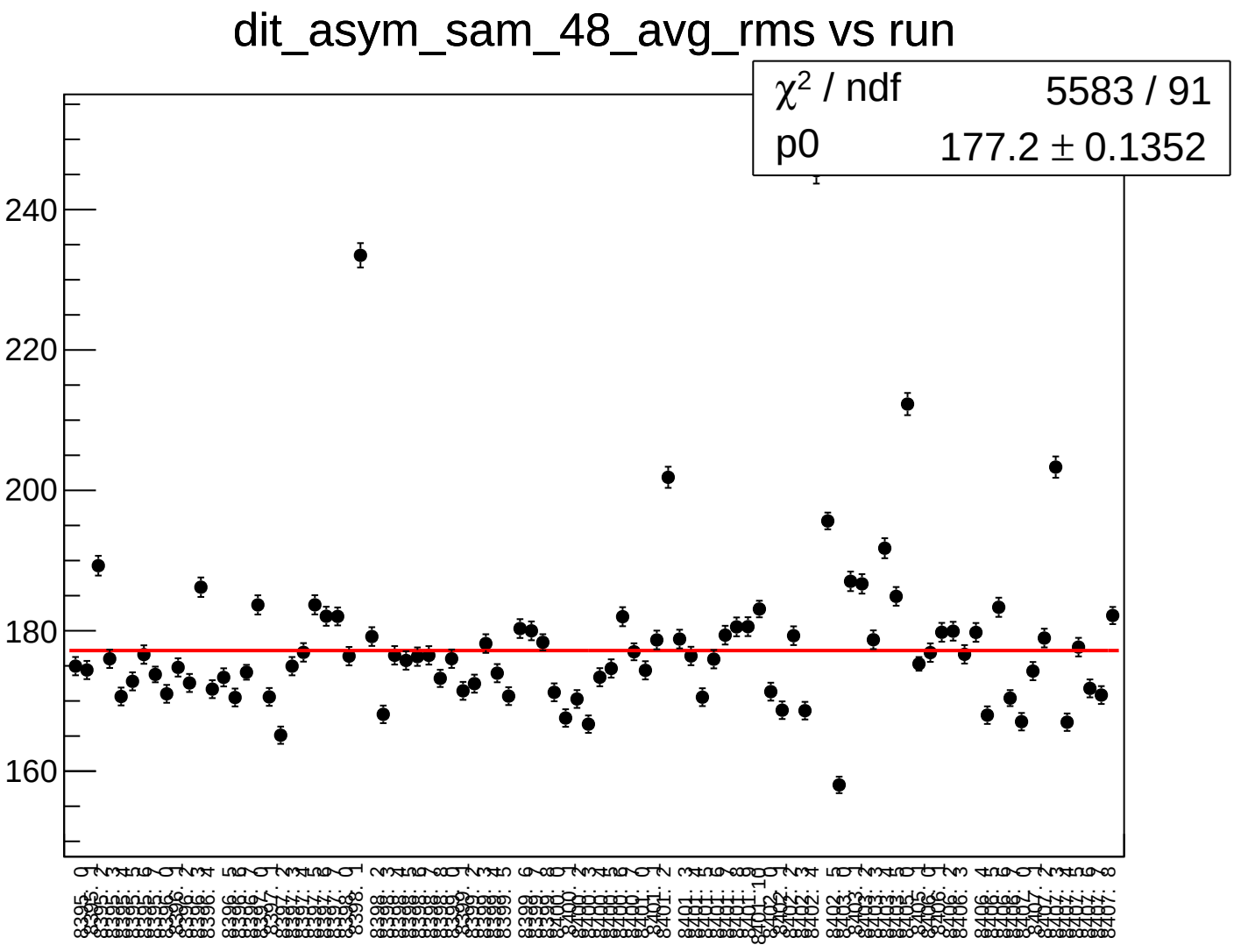

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 6294 / 91
p0 157.8 ± 0.1204
210
200
190
180
170
160
150
140

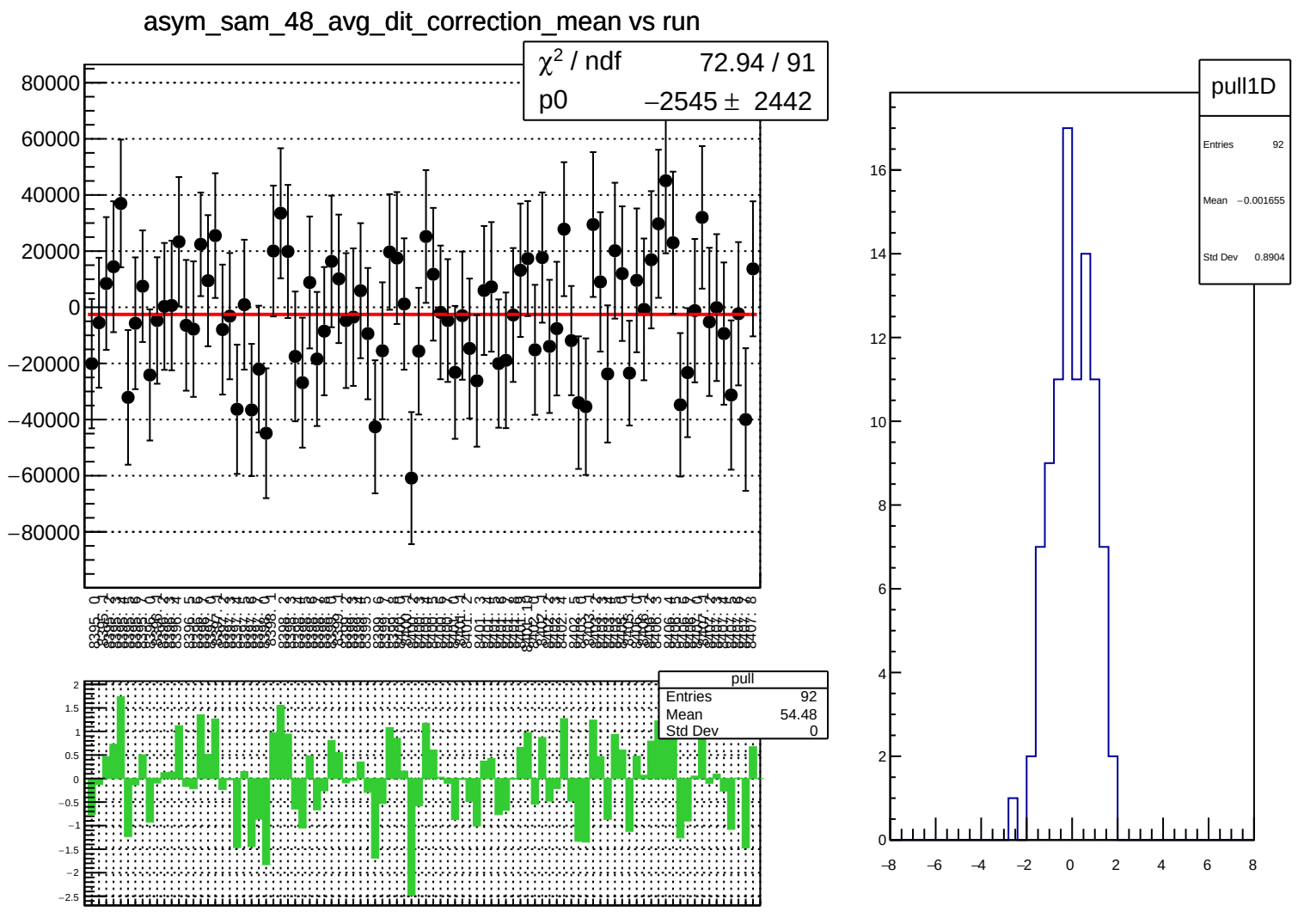

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 73.62 / 91
p0 −2397 ± 2397
pull
Entries 92
Mean 103.7
Std Dev 0
pull1D
Entries 92
Mean −0.001443
Std Dev 0.8946

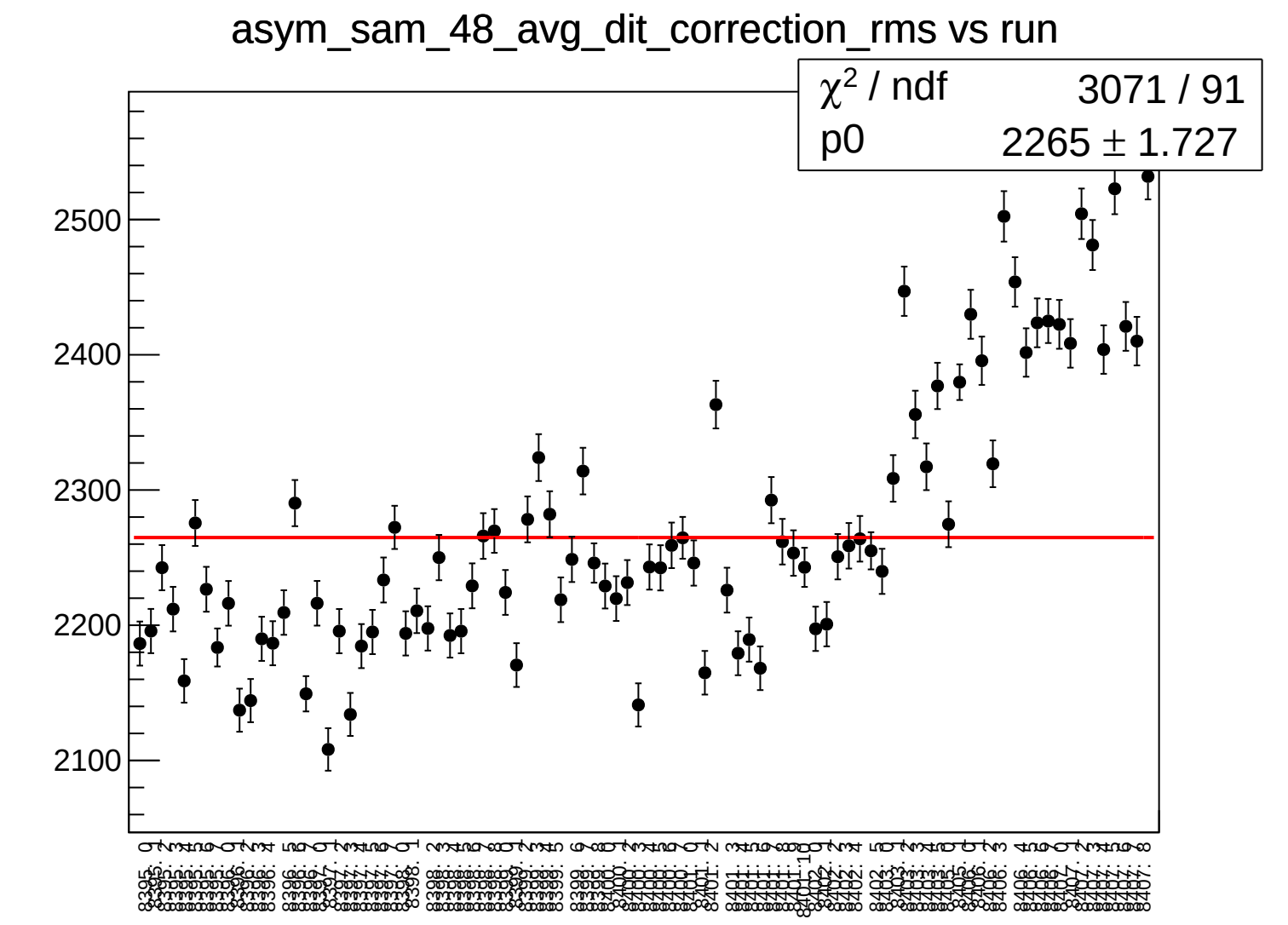

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 4136 / 91
p0 2222 ± 1.695
2500
2400
2300
2200
2100
2000

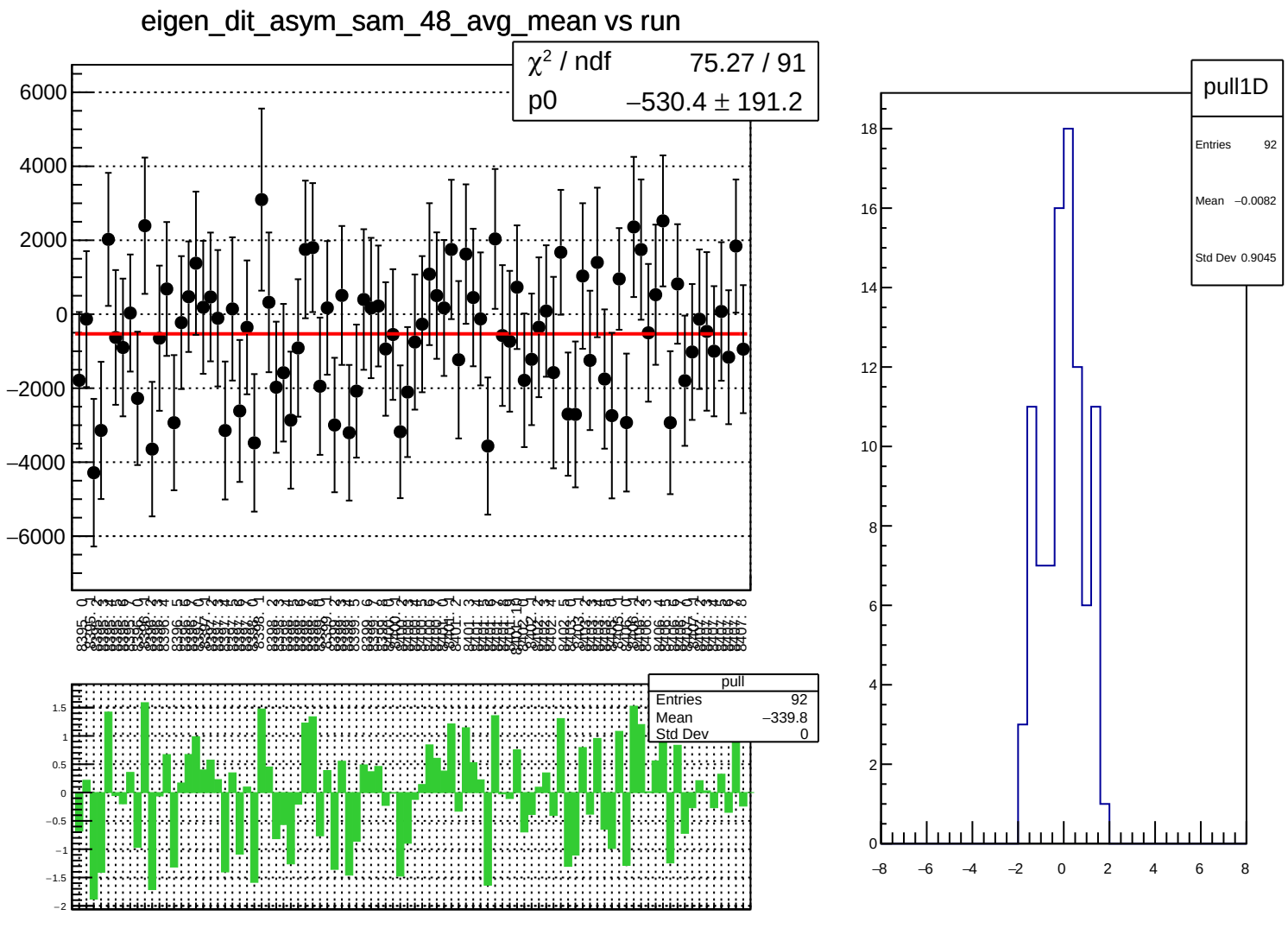

dit_asym_sam_48_avg_mean vs run
χ² / ndf 75.26 / 91
p0 −530.4 ± 191.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −339.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

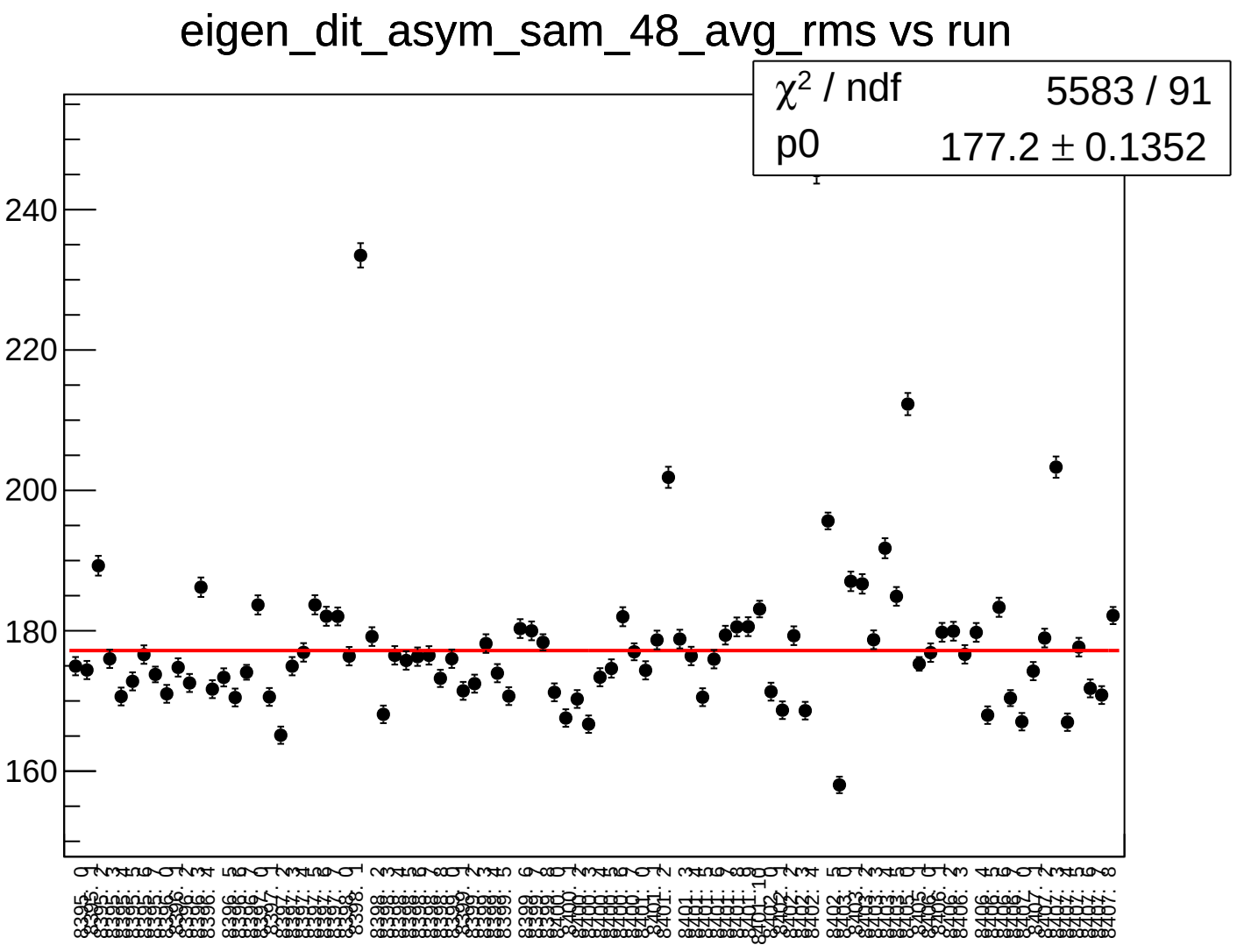

pull1D
Entries 92
Mean −0.0082
Std Dev 0.9044
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

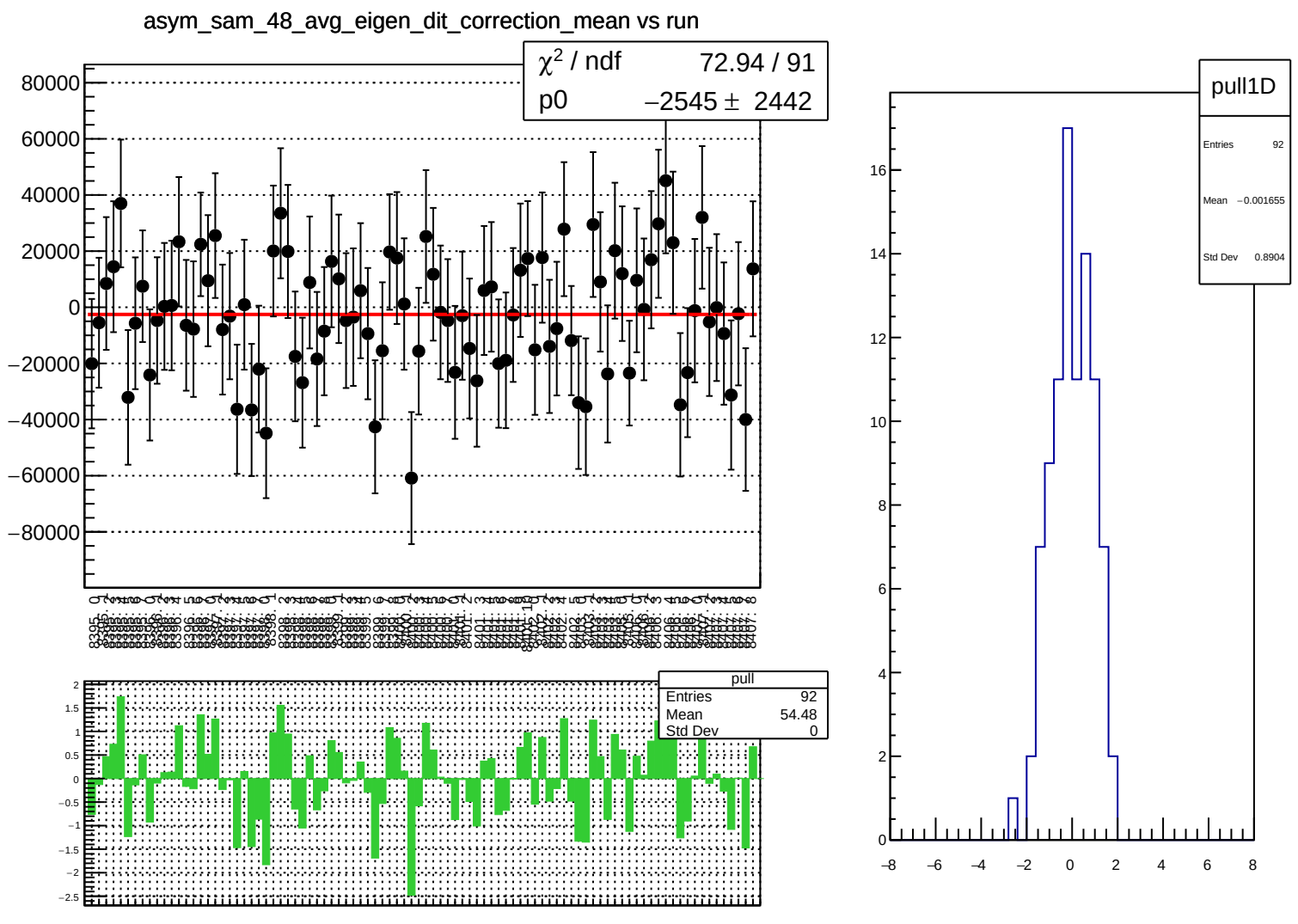

dit_asym_sam_48_avg_rms vs run
$\chi^2$ / ndf 5583 / 91
p0 177.2 ± 0.1352
240
220
200
180
160

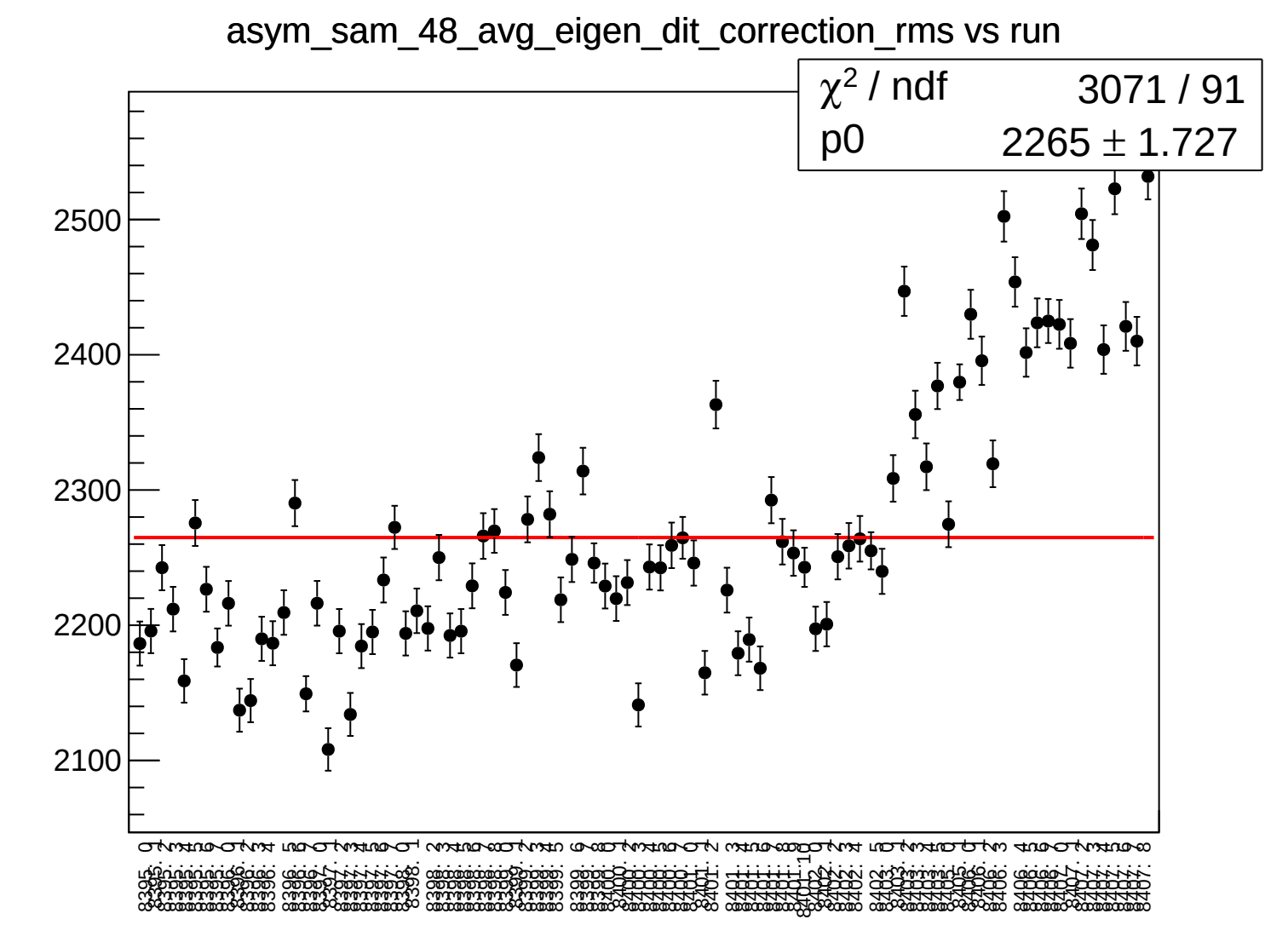

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 72.94 / 91
p0 −2545 ± 2442
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 54.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001655
Std Dev 0.8904
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

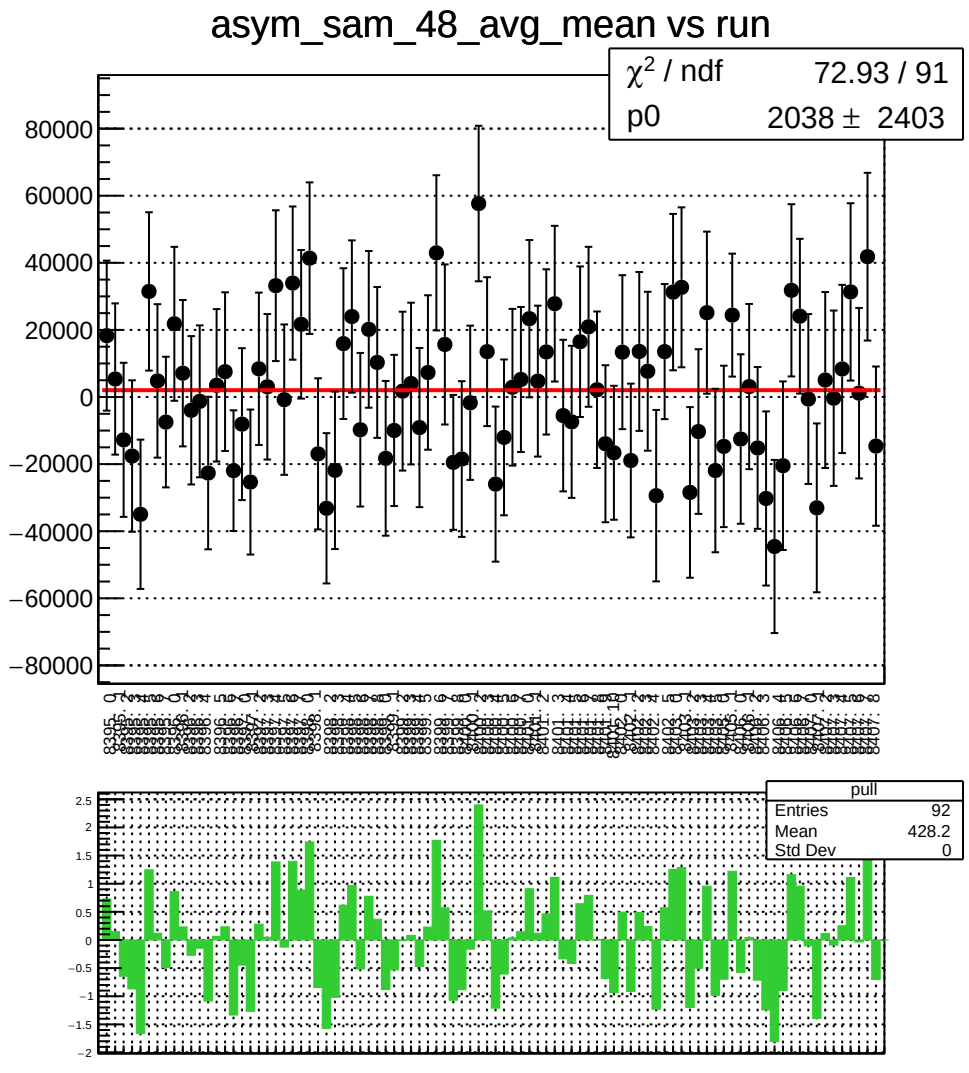

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 3071 / 91
p0 2265 ± 1.727
2500
2400
2300
2200
2100

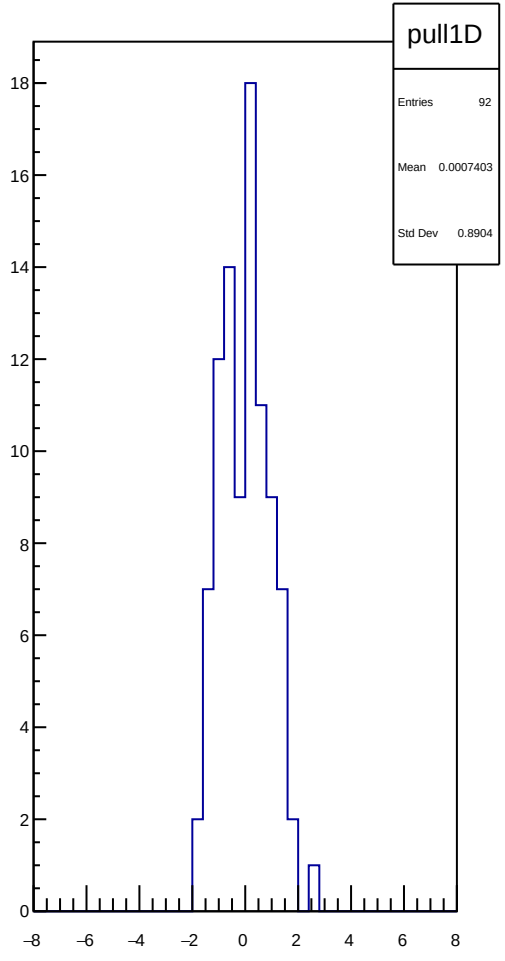

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 75.27 / 91
p0 −530.4 ± 191.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −339.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.0082
Std Dev 0.9045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

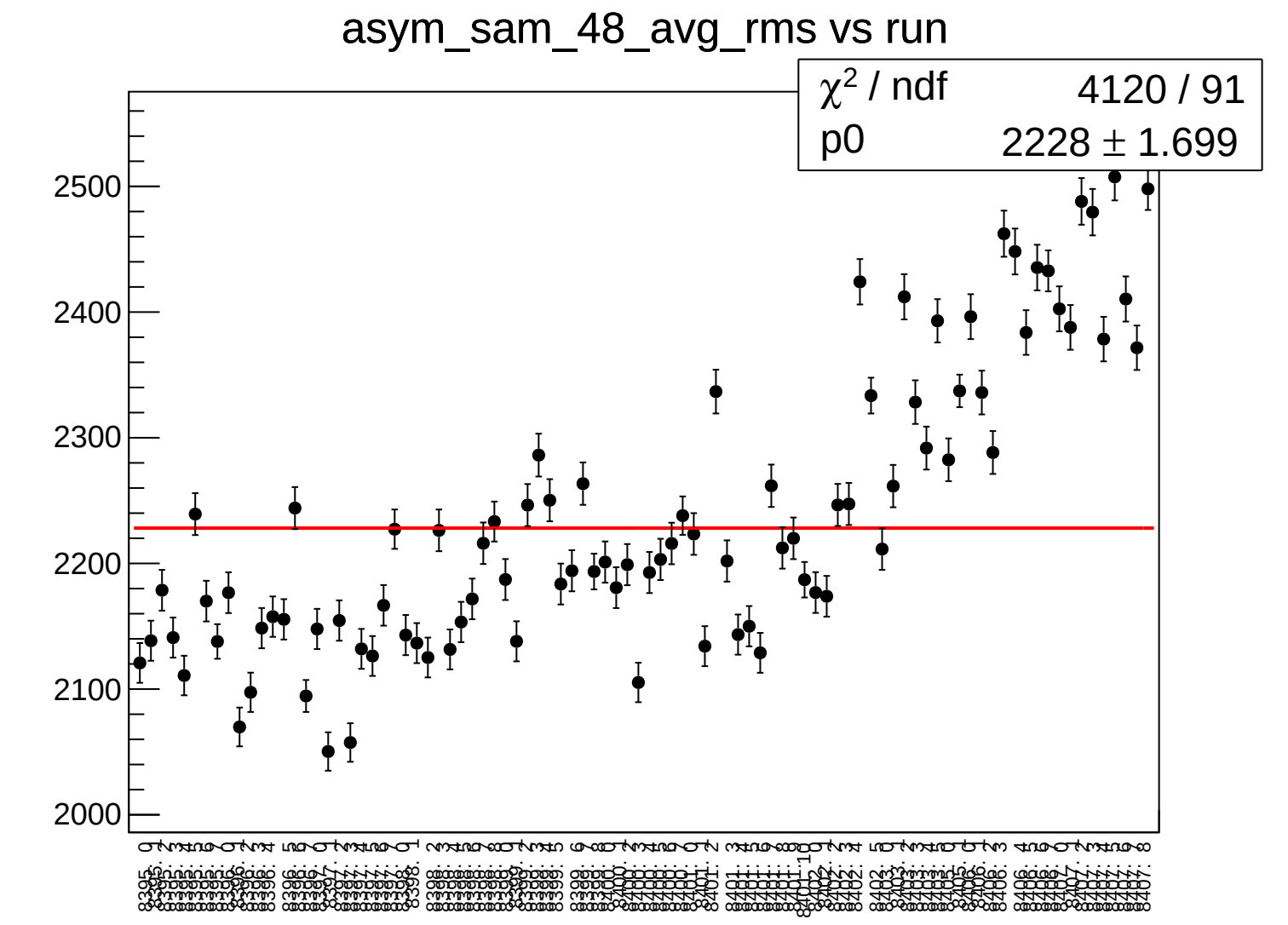

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 5583 / 91
p0 177.2 ± 0.1352
240
220
200
180
160

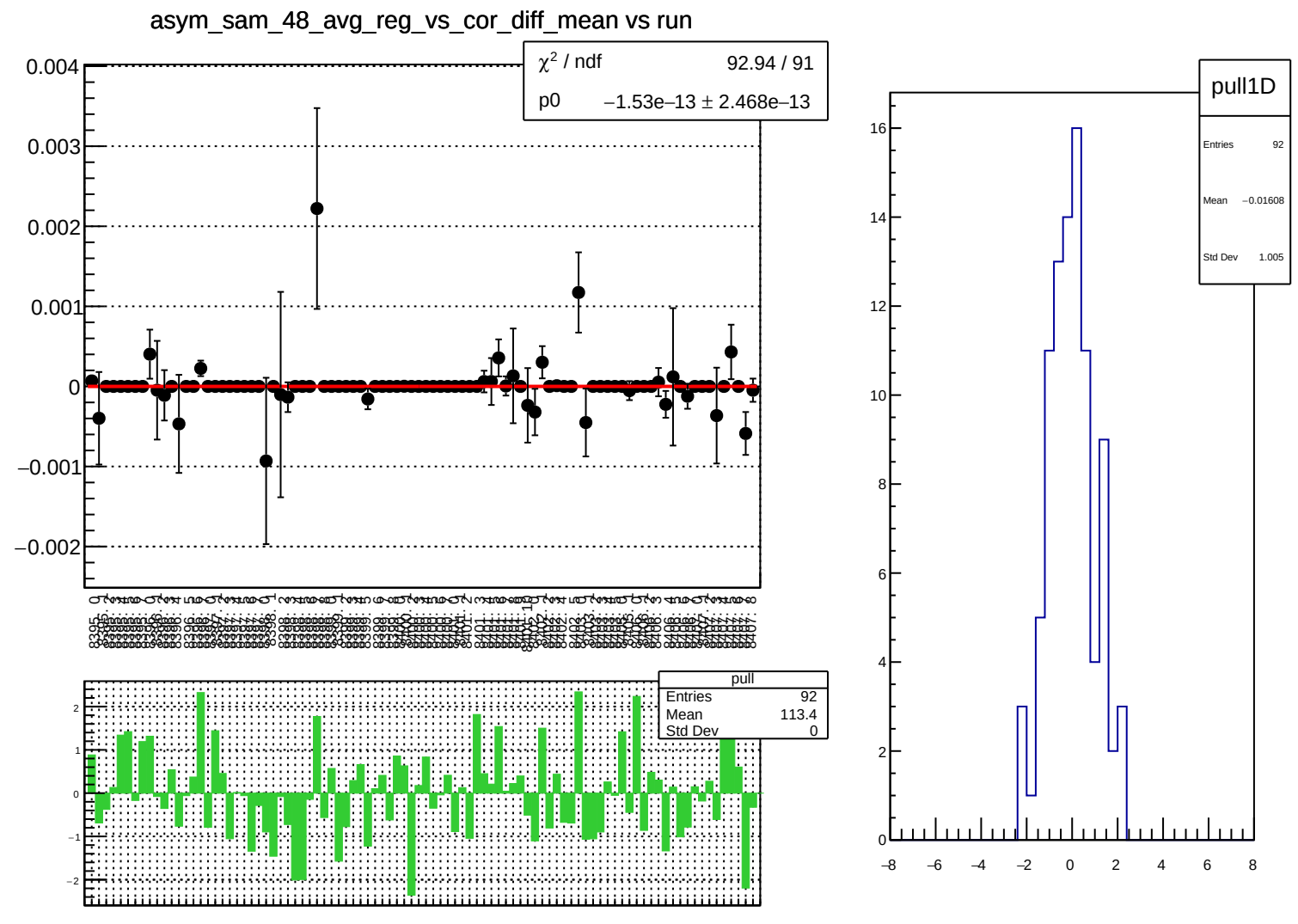

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.94 / 91
p0 −2545 ± 2442
pull
Entries 92
Mean 54.48
Std Dev 0
pull1D
Entries 92
Mean −0.001655
Std Dev 0.8904

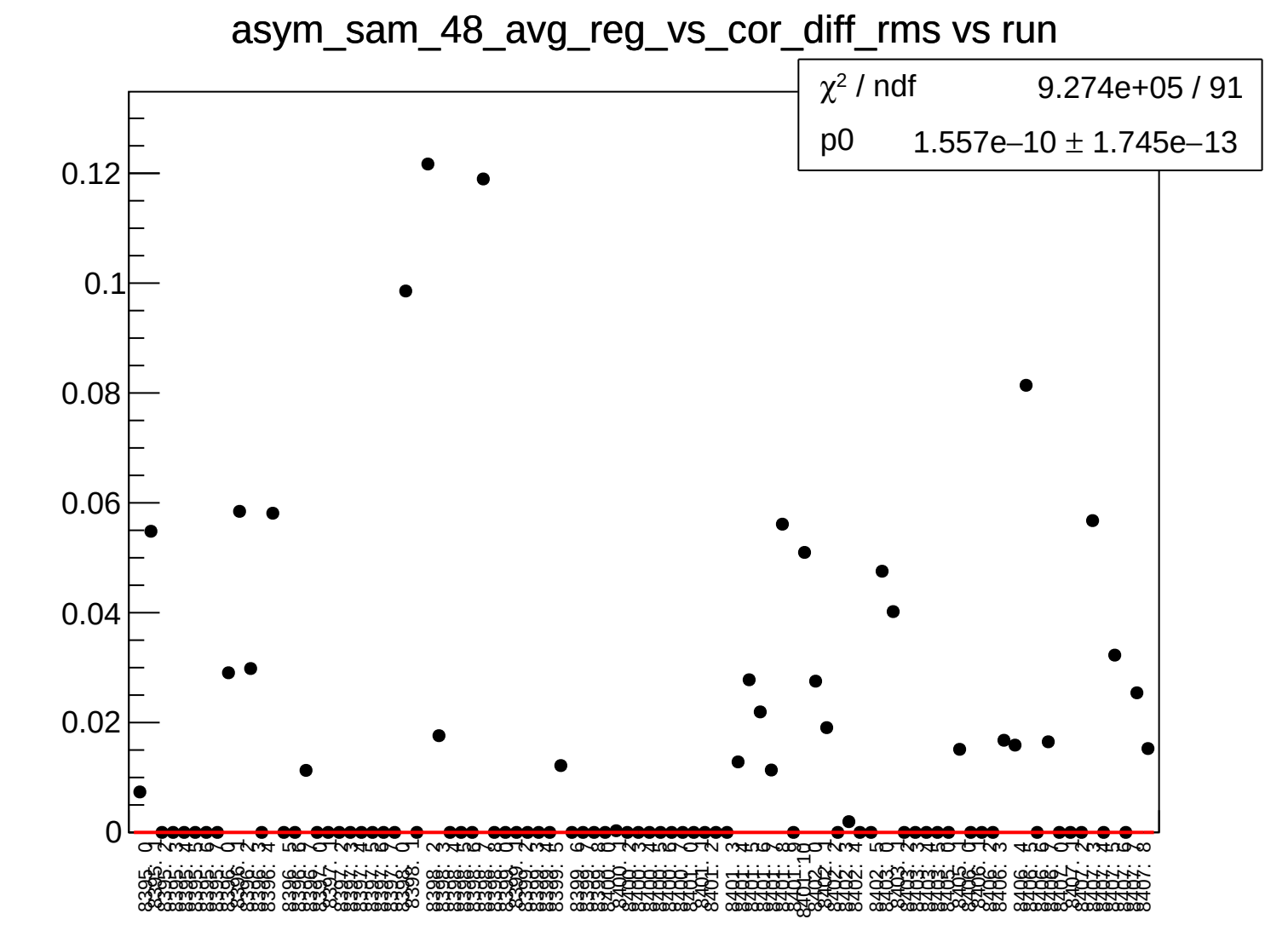

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 3071 / 91
p0 2265 ± 1.727
2500
2400
2300
2200
2100

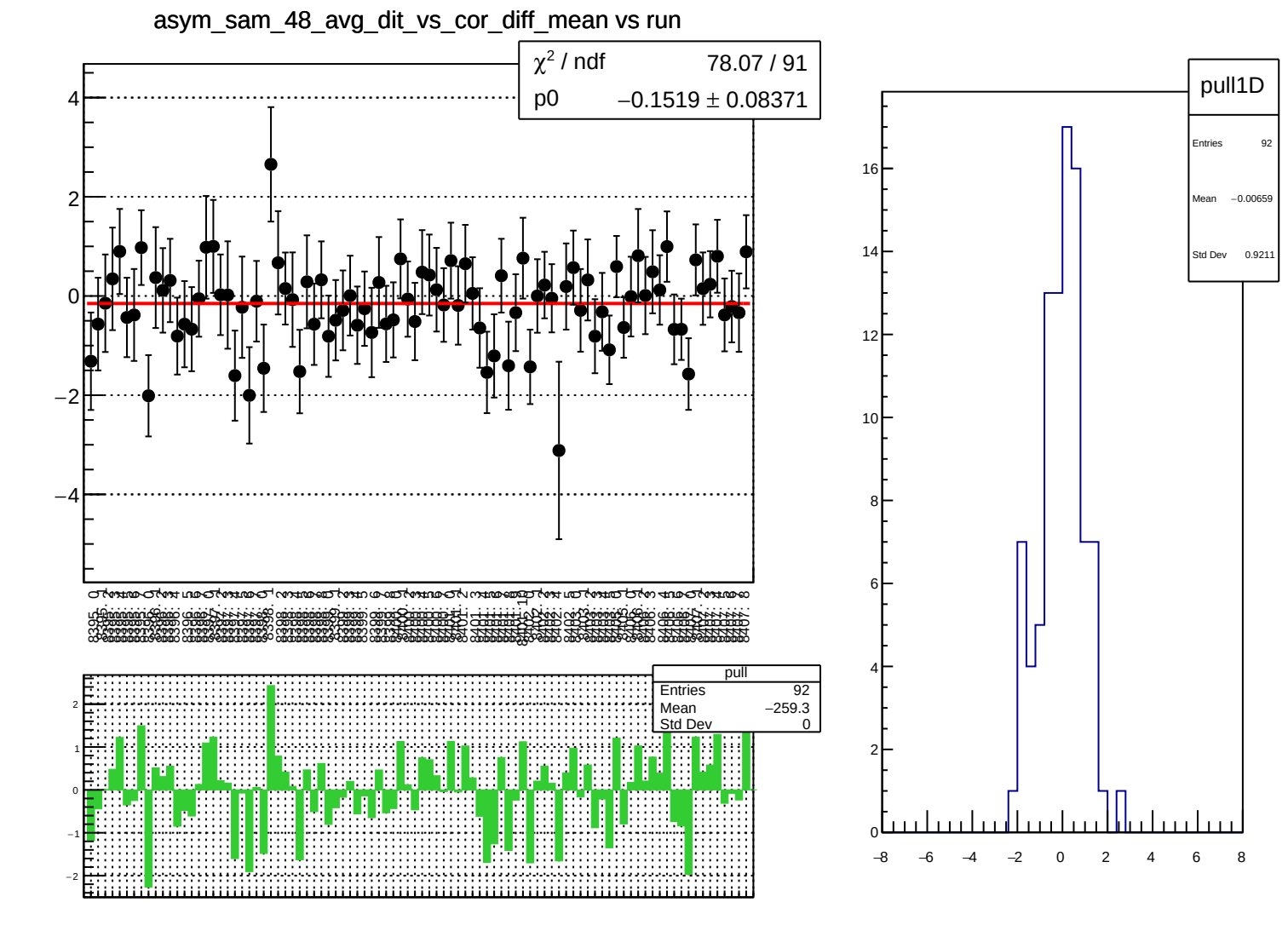

asym_sam_48_avg_mean vs run
χ² / ndf 72.93 / 91
p0 2038 ± 2403
pull
Entries 92
Mean 428.2
Std Dev 0

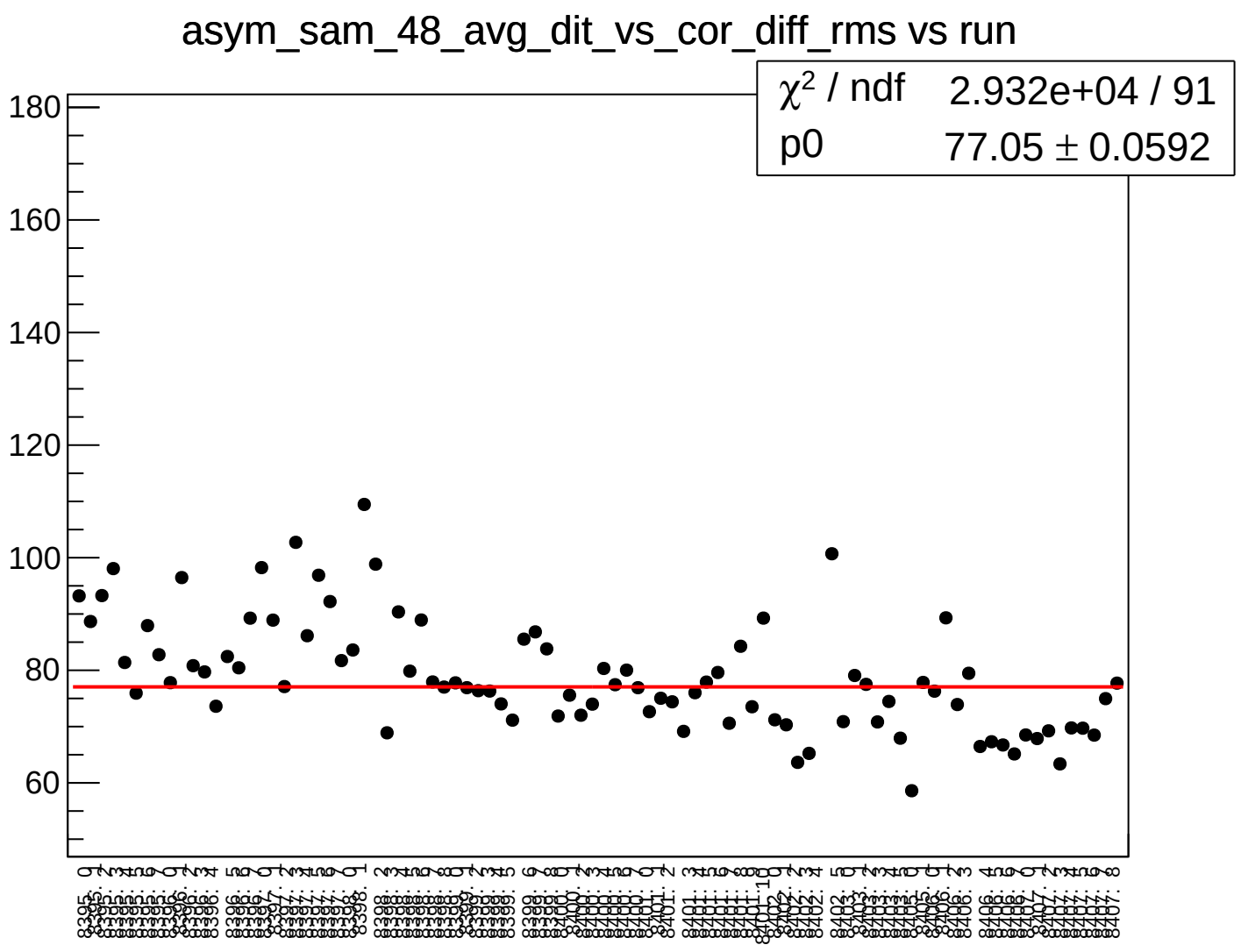

pull1D
Entries 92
Mean 0.0007403
Std Dev 0.8904

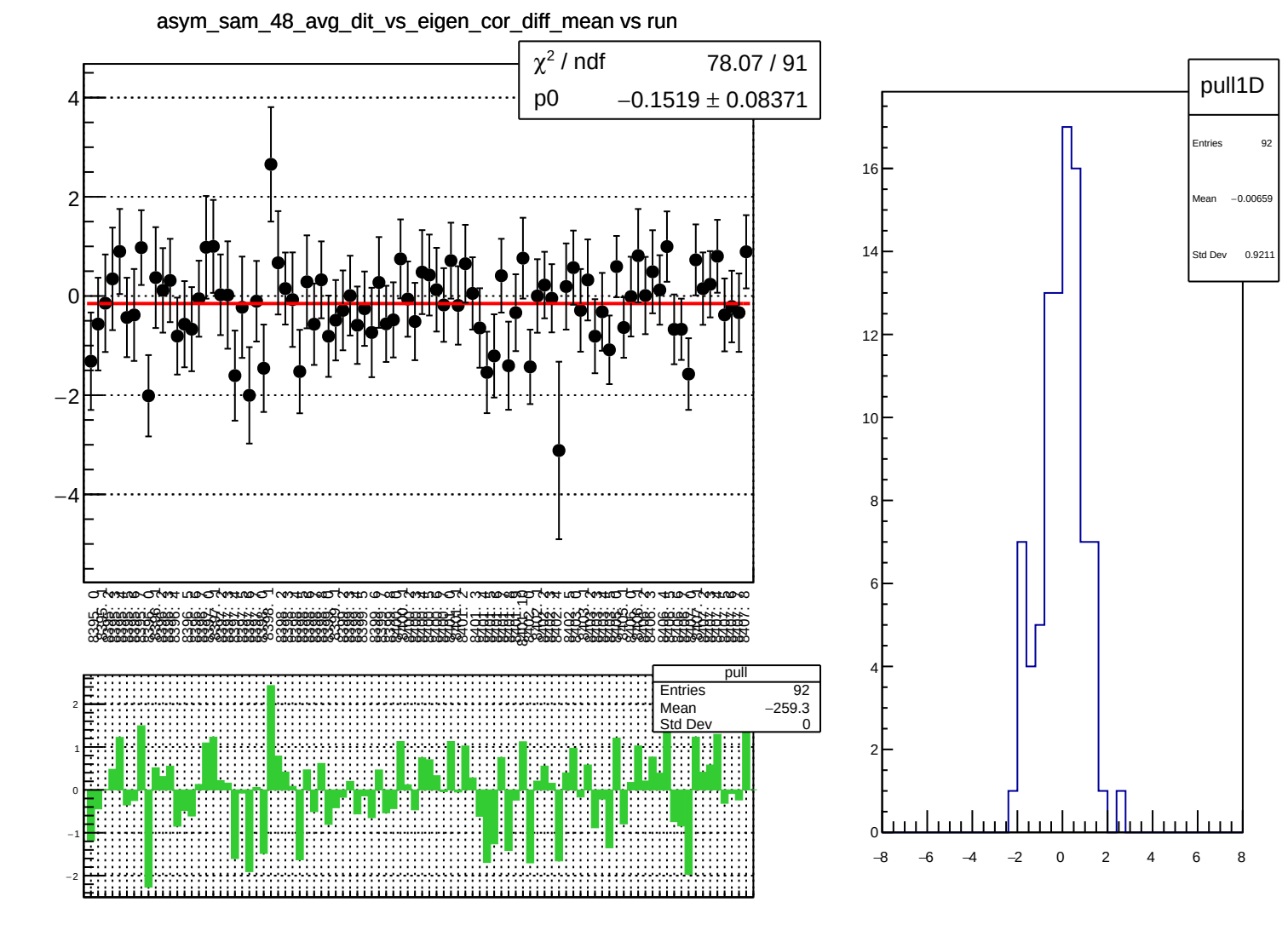

asym_sam_48_avg_rms vs run
$\chi^2$ / ndf 4120 / 91
p0 2228 ± 1.699
2500
2400
2300
2200
2100
2000

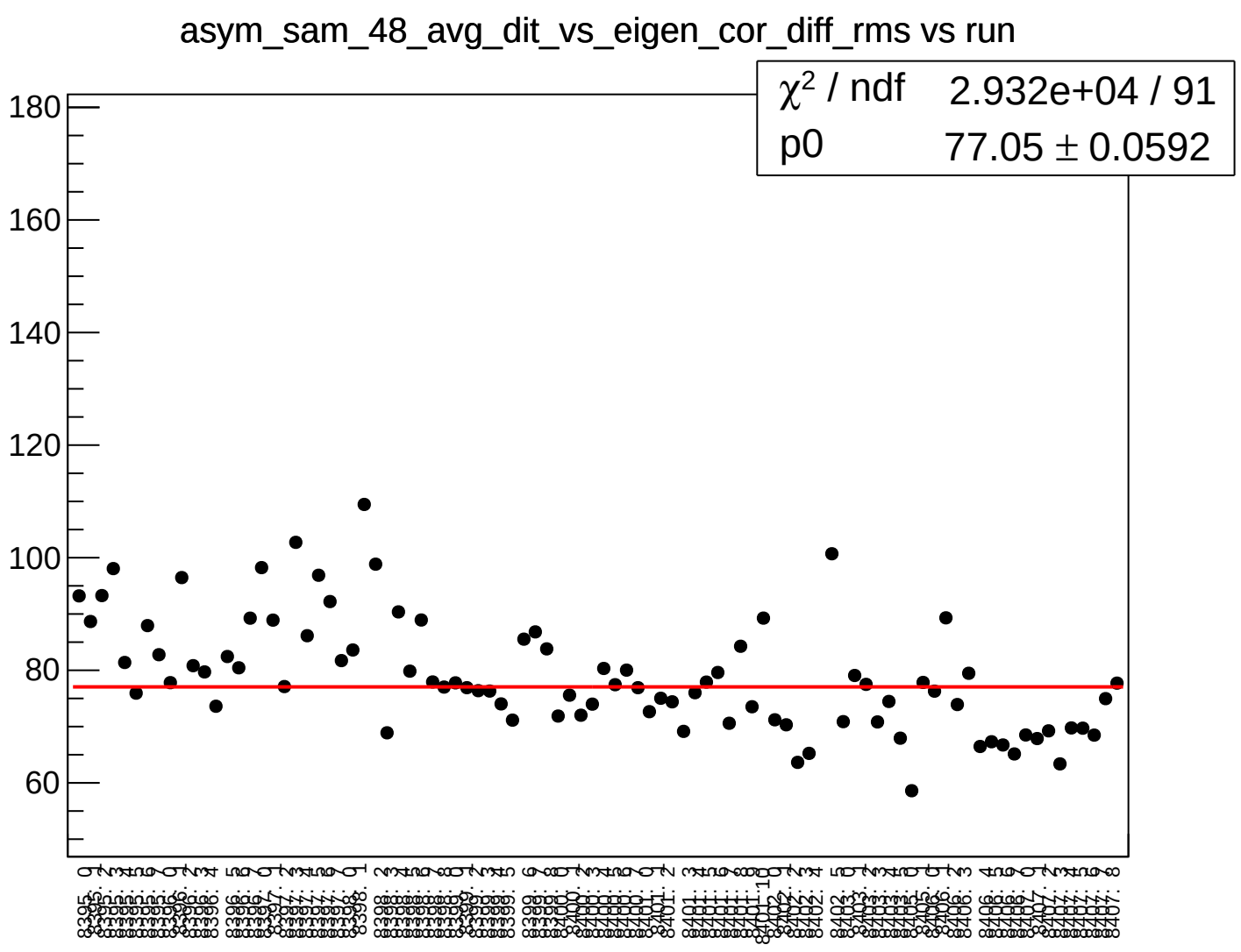

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.94 / 91
p0 −1.53e−13 ± 2.468e−13
0.004
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 92
Mean 113.4
Std Dev 0
pull1D
Entries 92
Mean −0.01608
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

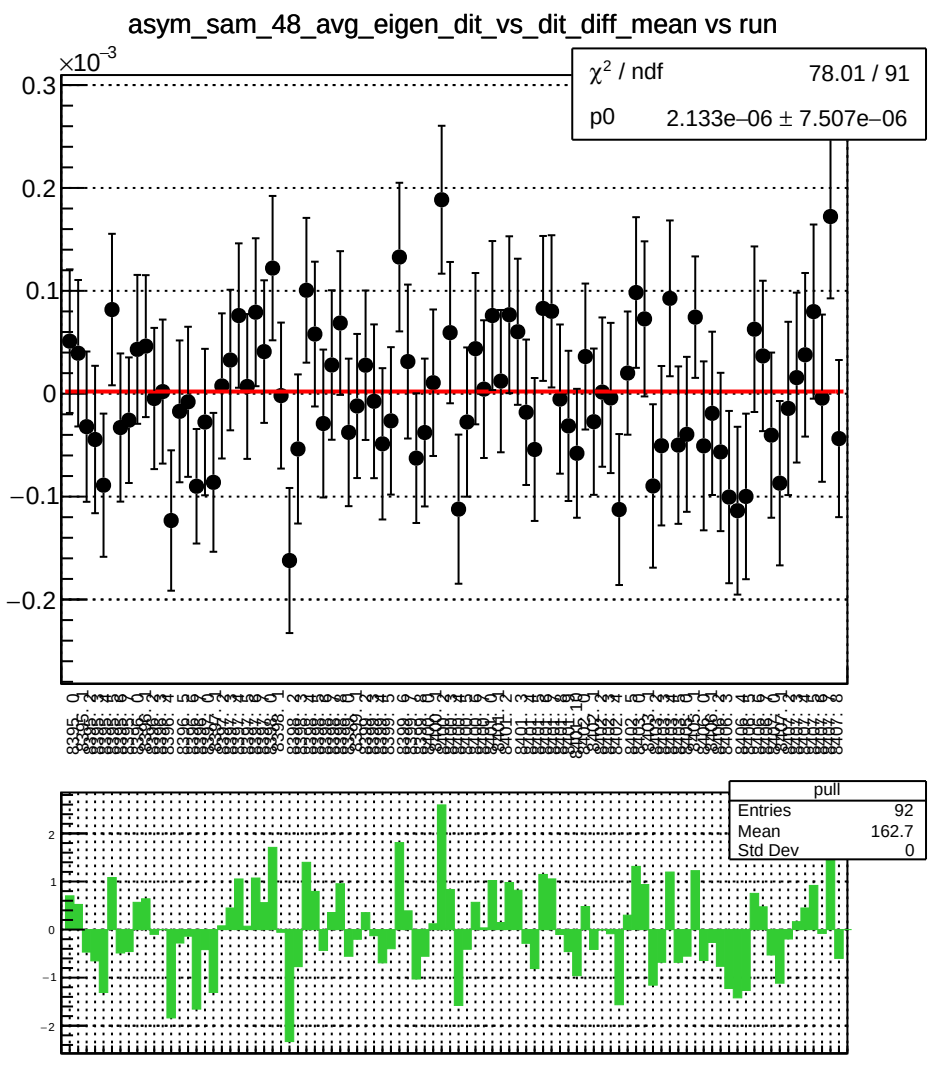

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.274e+05 / 91
p0 1.557e−10 ± 1.745e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

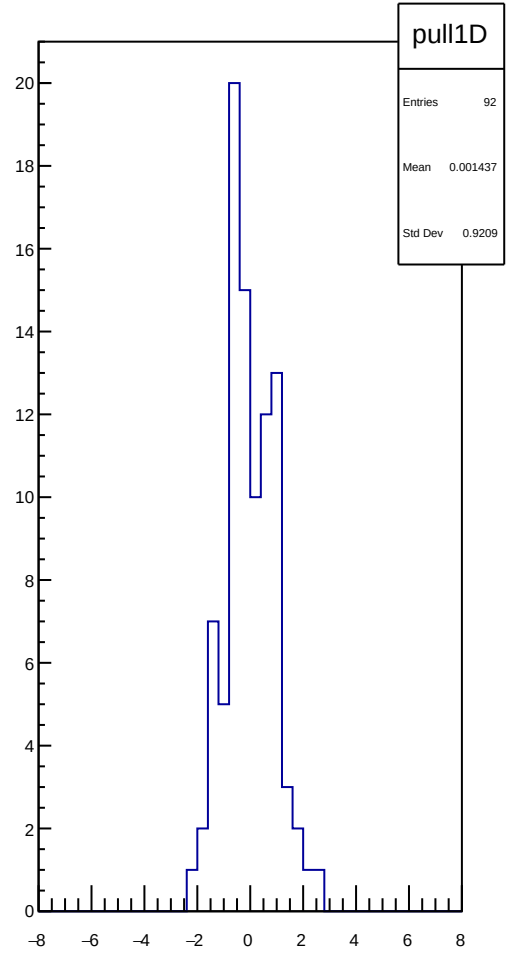

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.07 / 91
p0 −0.1519 ± 0.08371
pull
Entries 92
Mean −259.3
Std Dev 0
pull1D
Entries 92
Mean −0.00659
Std Dev 0.9211

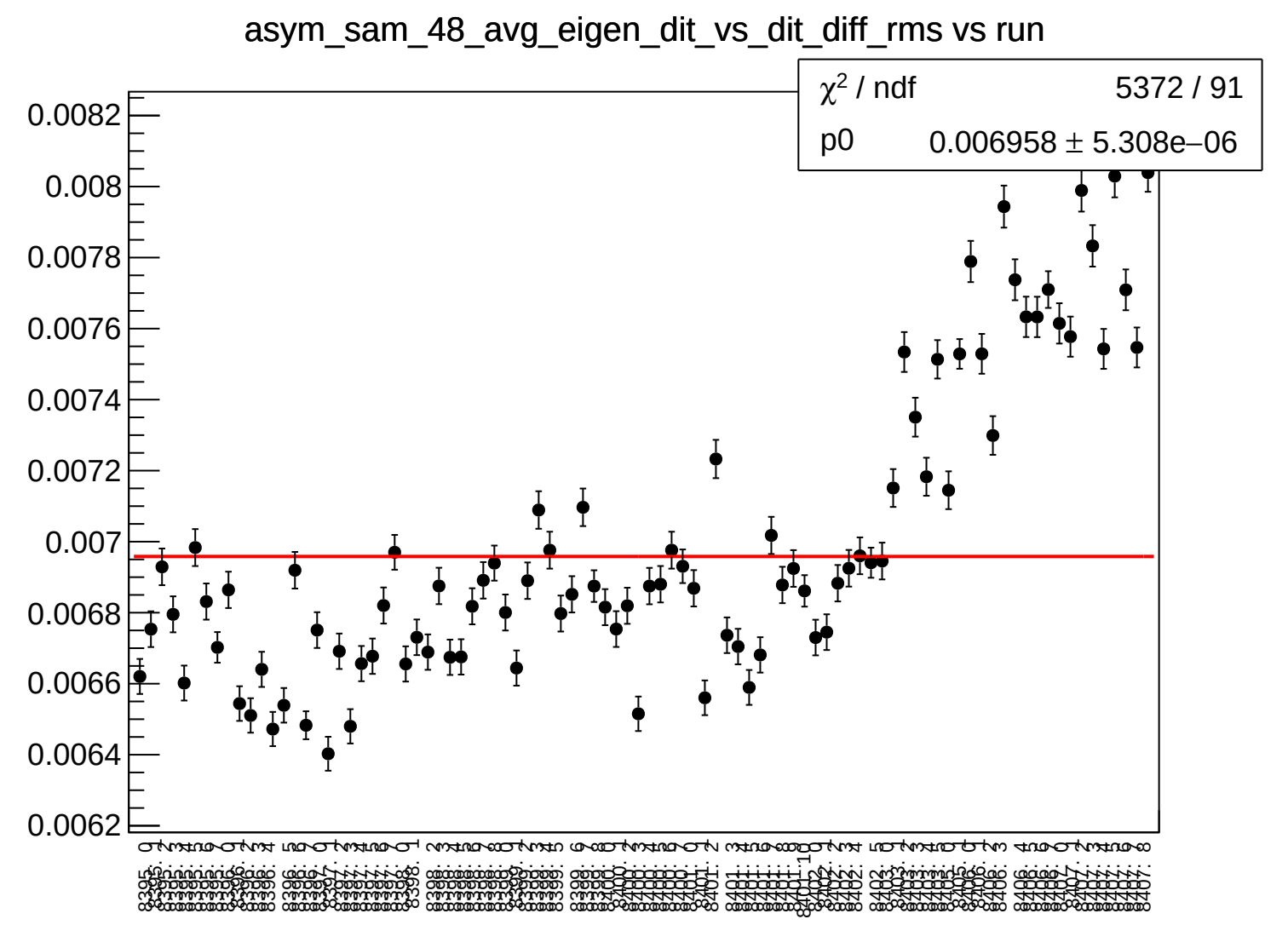

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.932e+04 / 91
p0 77.05 ± 0.0592
180
160
140
120
100
80
60

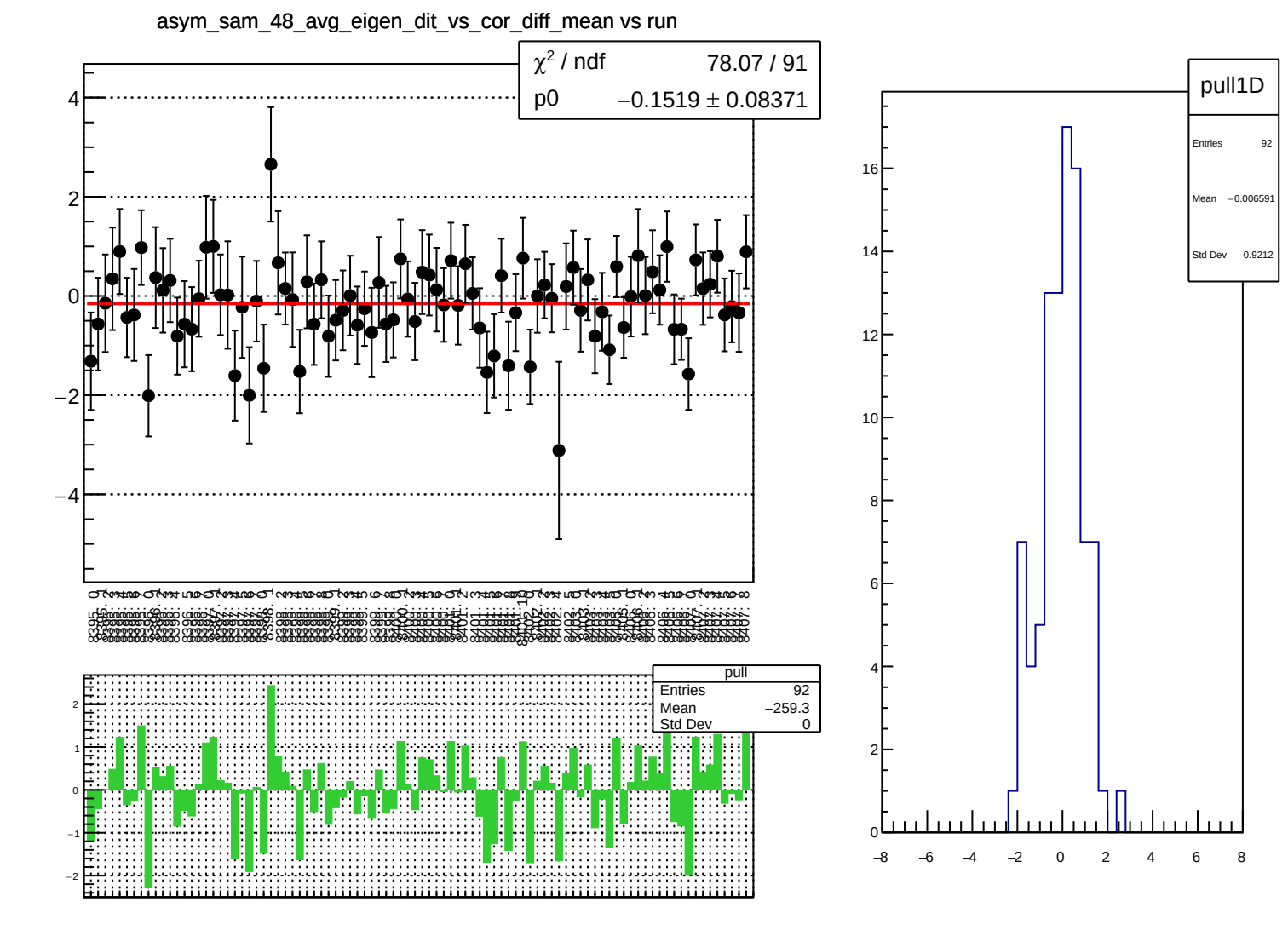

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.07 / 91
p0 −0.1519 ± 0.08371
pull
Entries 92
Mean −259.3
Std Dev 0
pull1D
Entries 92
Mean −0.00659
Std Dev 0.9211

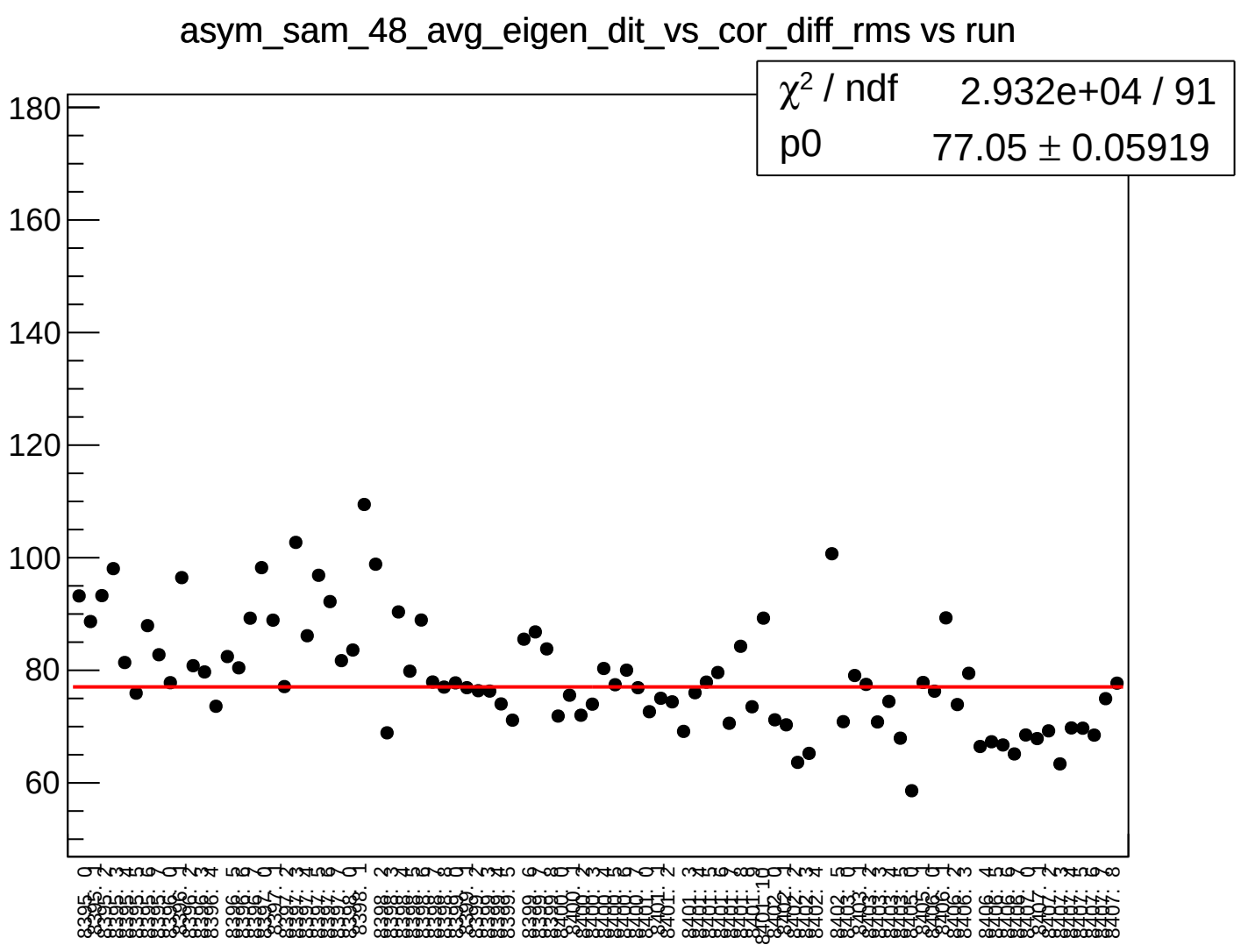

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.932e+04 / 91
p0 77.05 ± 0.0592
180
160
140
120
100
80
60

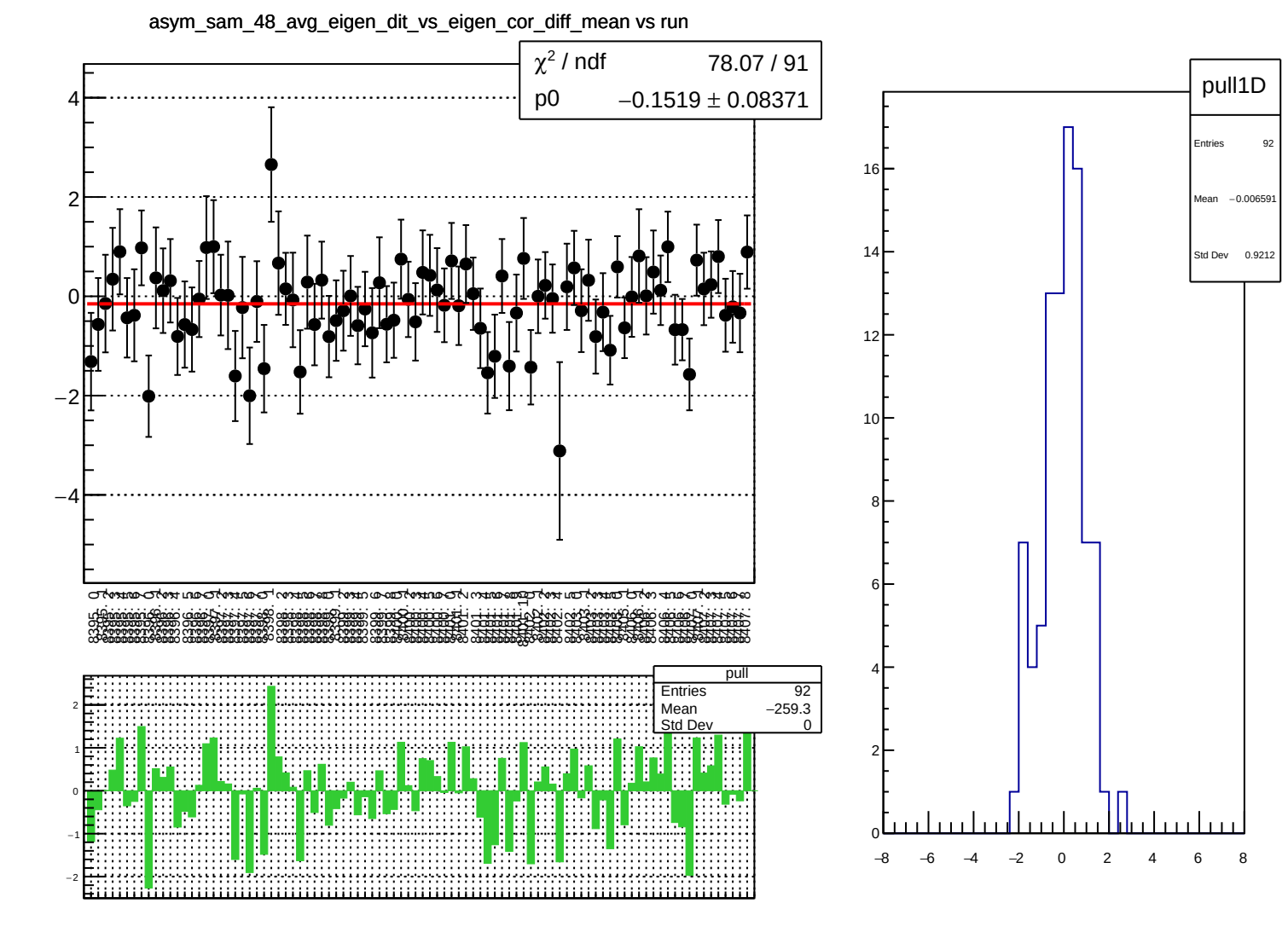

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.01 / 91
p0 2.133e−06 ± 7.507e−06
pull
Entries 92
Mean 162.7
Std Dev 0

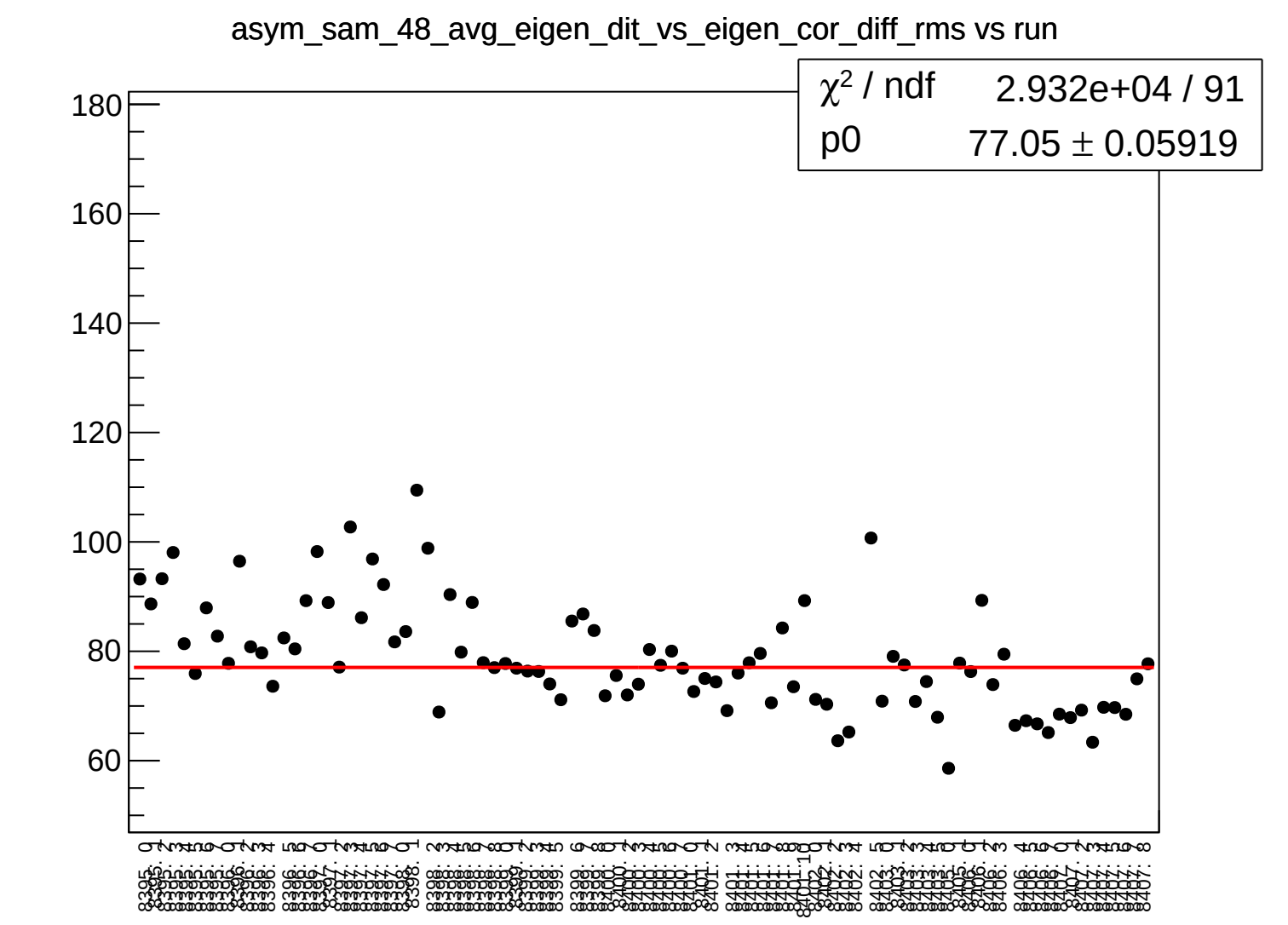

pull1D
Entries 92
Mean 0.001437
Std Dev 0.9209

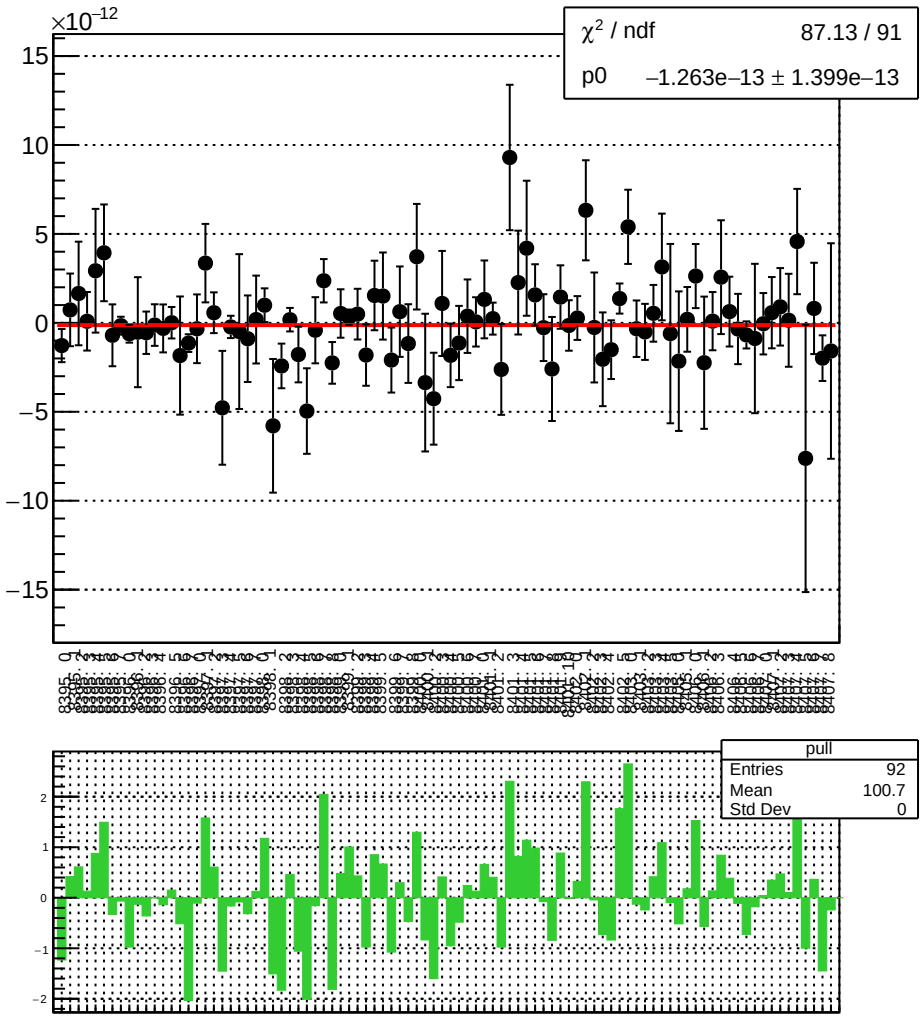

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5372 / 91
p0 0.006958 ± 5.308e−06
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062

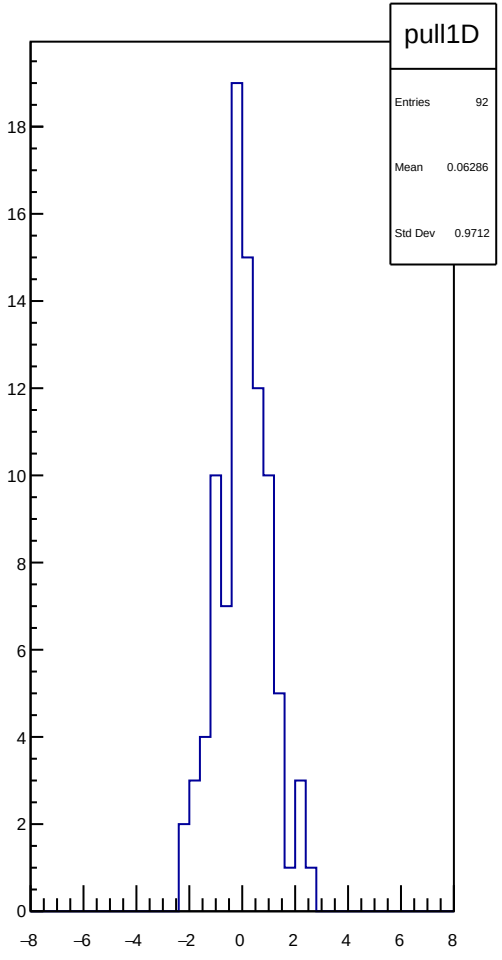

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.07 / 91
p0 −0.1519 ± 0.08371
pull
Entries 92
Mean −259.3
Std Dev 0
pull1D
Entries 92
Mean −0.006591
Std Dev 0.9212

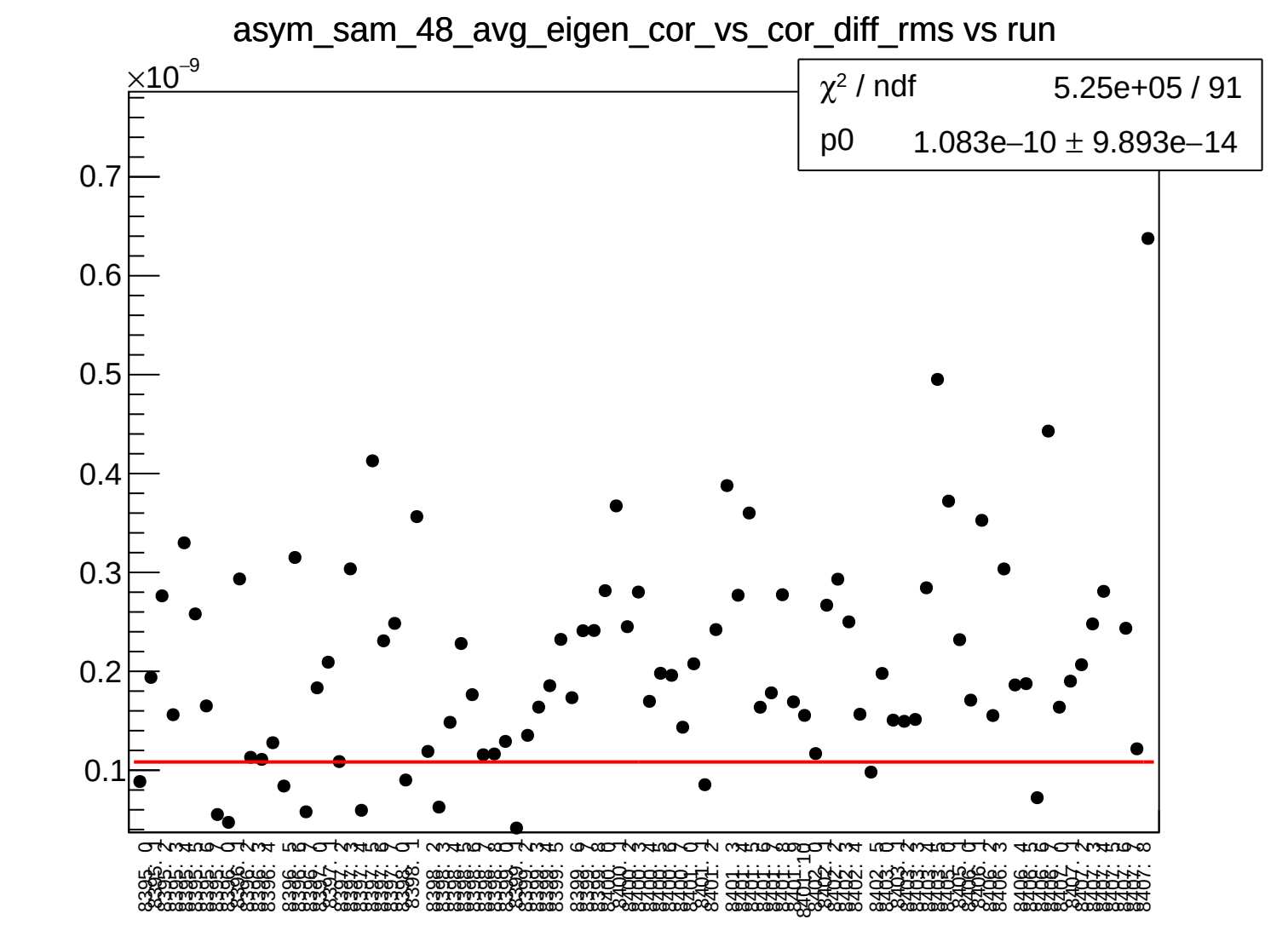

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.932e+04 / 91
p0 77.05 ± 0.05919
180
160
140
120
100
80
60

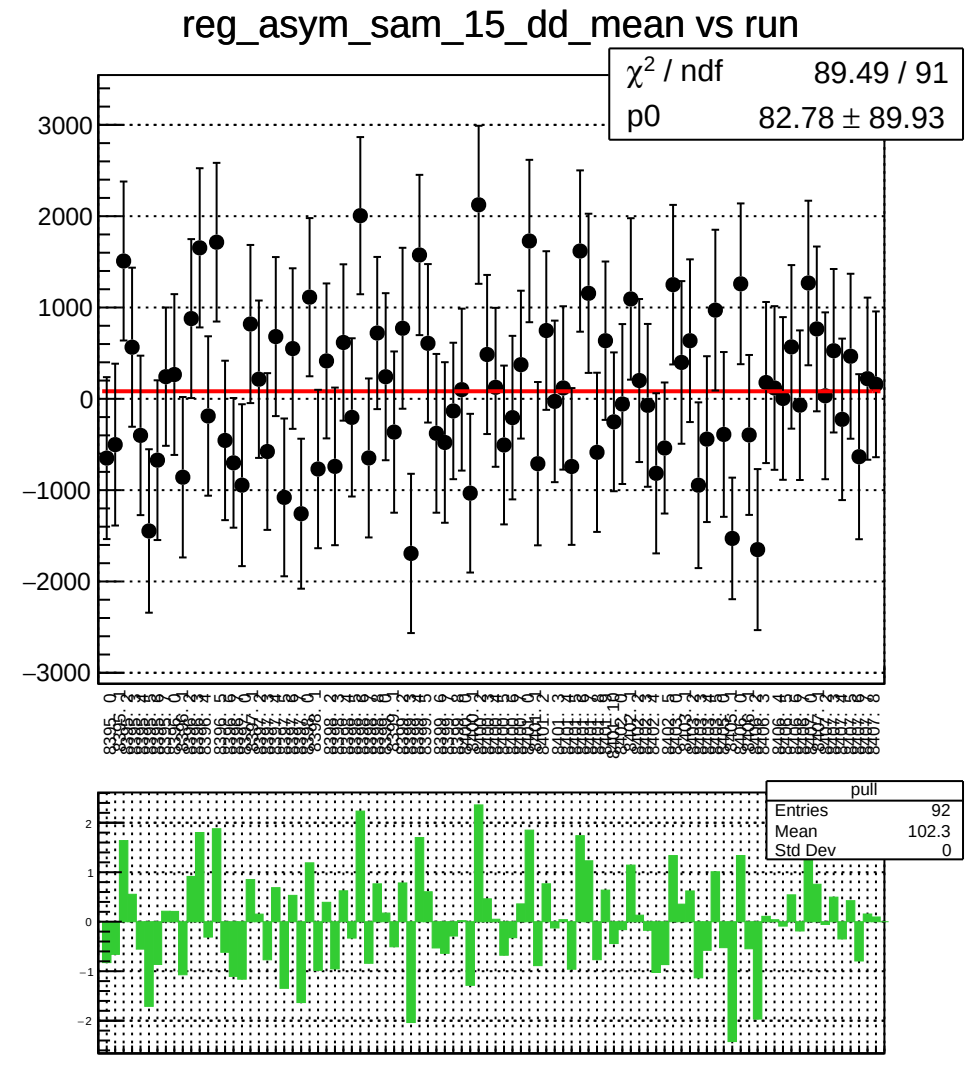

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.07 / 91
p0 −0.1519 ± 0.08371
pull
Entries 92
Mean −259.3
Std Dev 0
pull1D
Entries 92
Mean −0.006591
Std Dev 0.9212

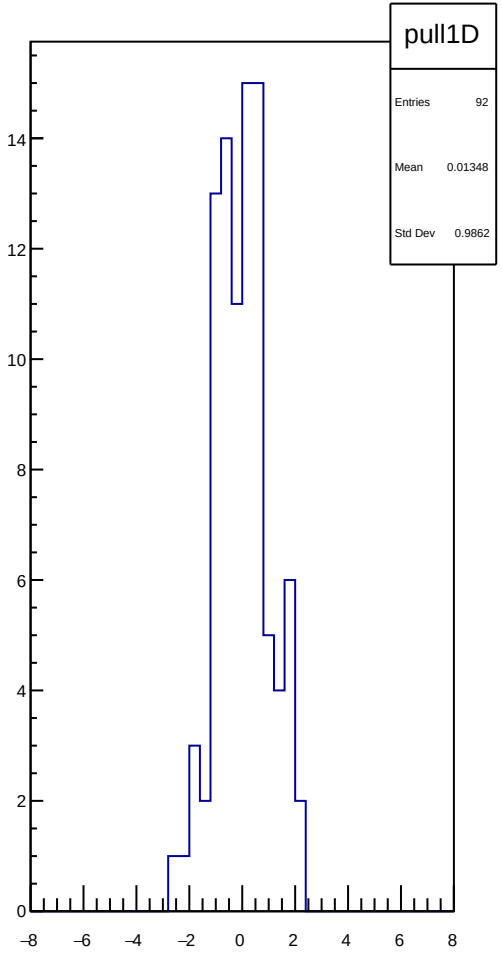

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.932e+04 / 91
p0 77.05 ± 0.05919
180
160
140
120
100
80
60

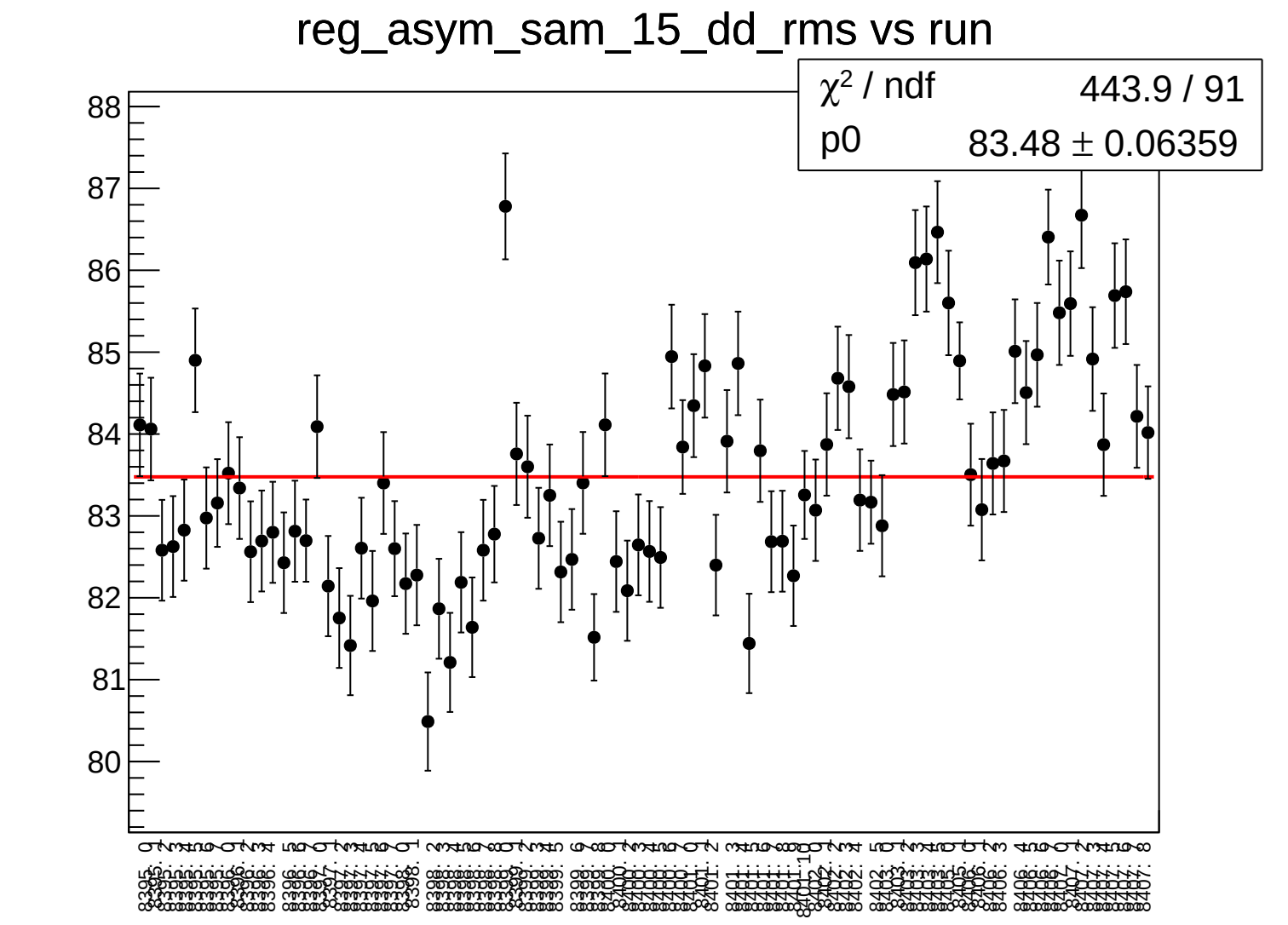

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.13 / 91
p0 −1.263e−13 ± 1.399e−13
pull
Entries 92
Mean 100.7
Std Dev 0

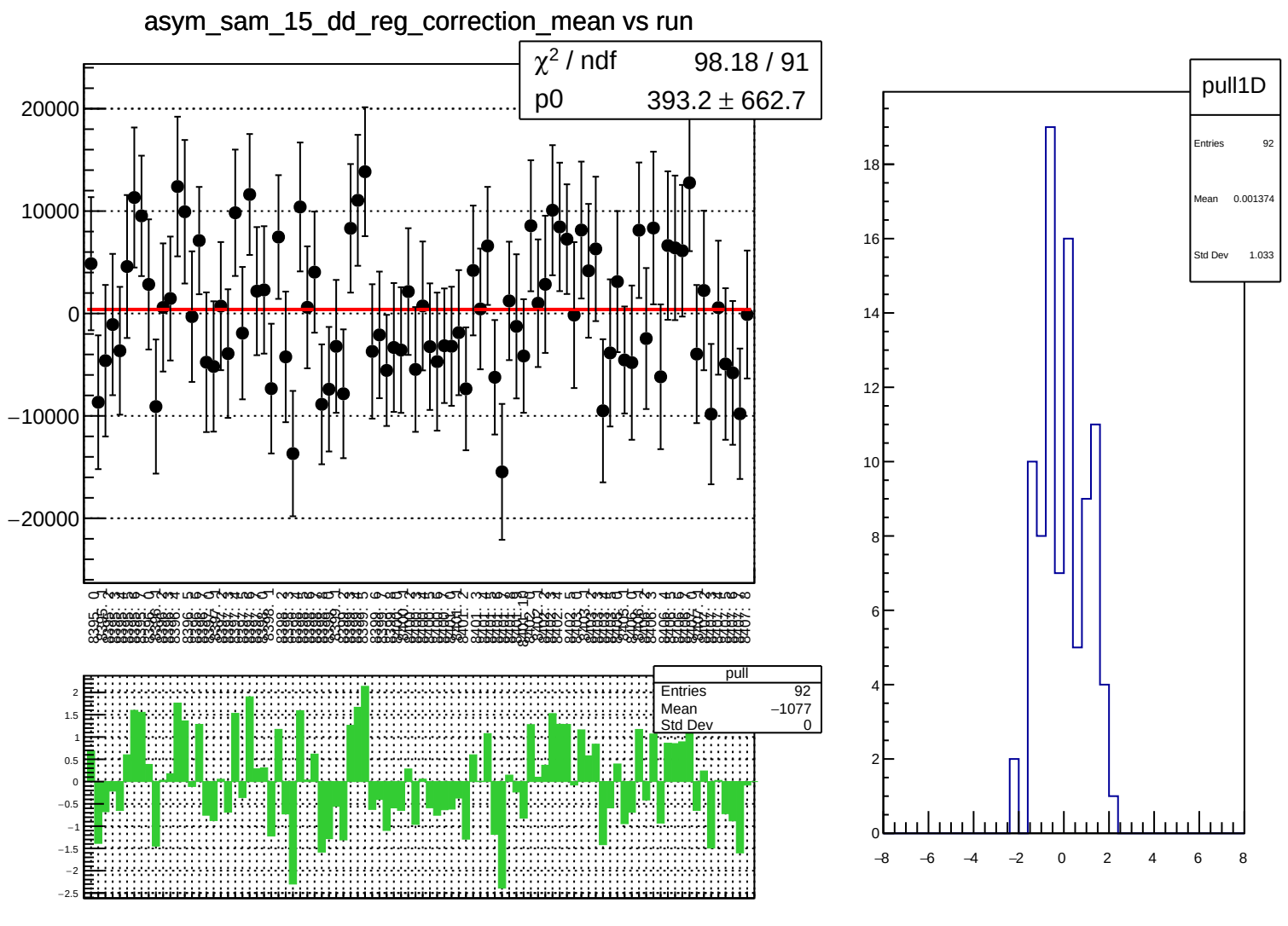

pull1D
Entries 92
Mean 0.06286
Std Dev 0.9712

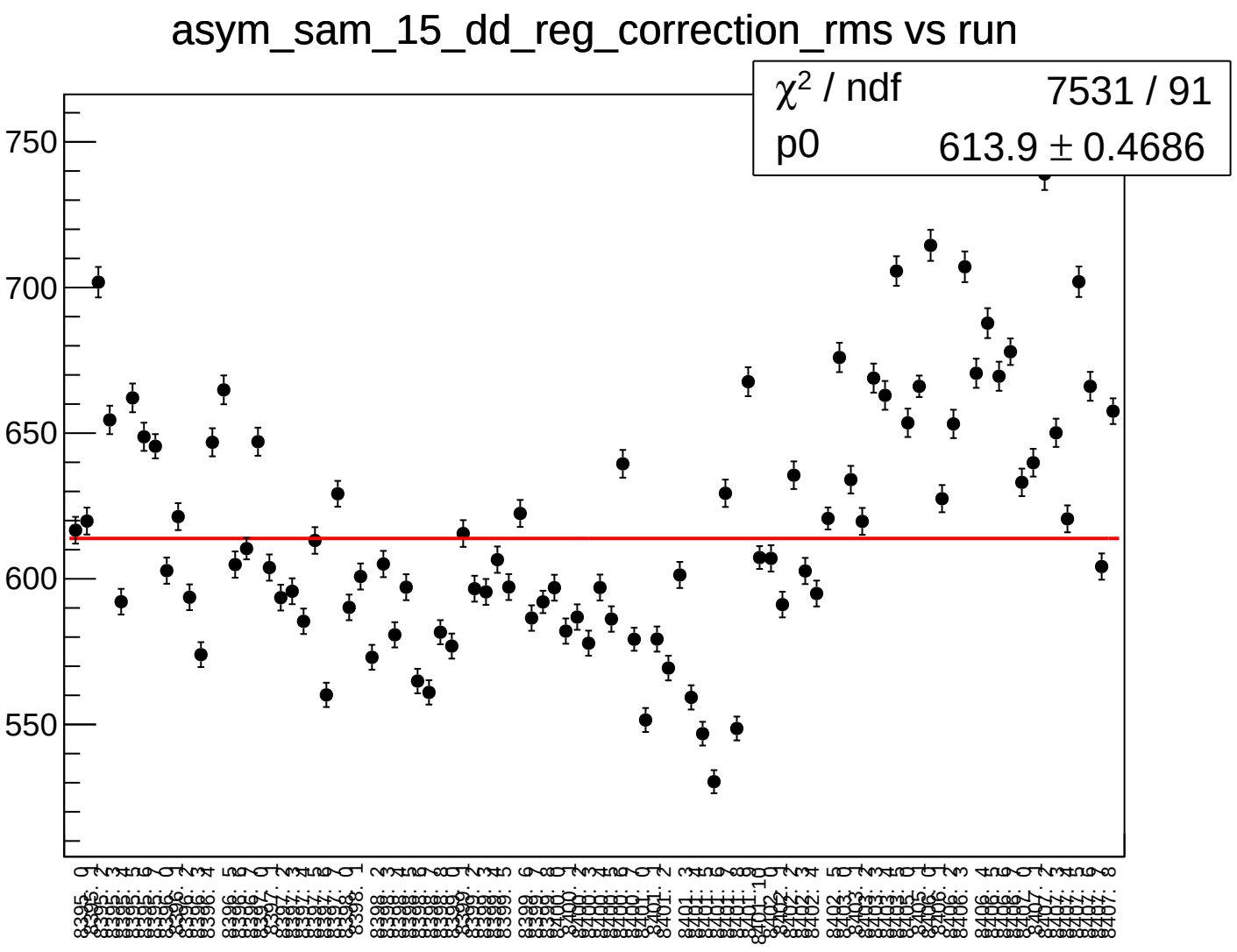

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.25e+05 / 91
p0 1.083e−10 ± 9.893e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

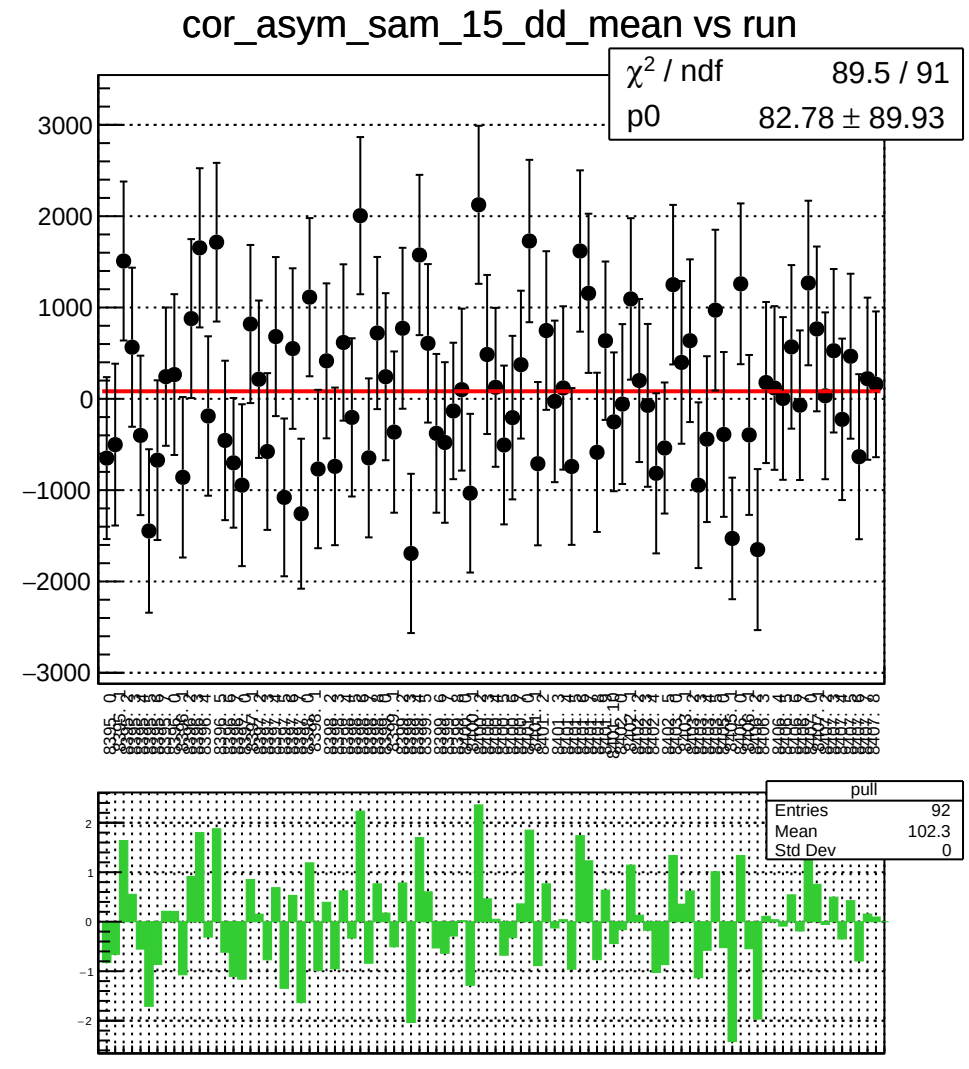

reg_asym_sam_15_dd_mean vs run
χ² / ndf 89.49 / 91
p0 82.78 ± 89.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 102.3
Std Dev 0
2
1
0
−1
−2

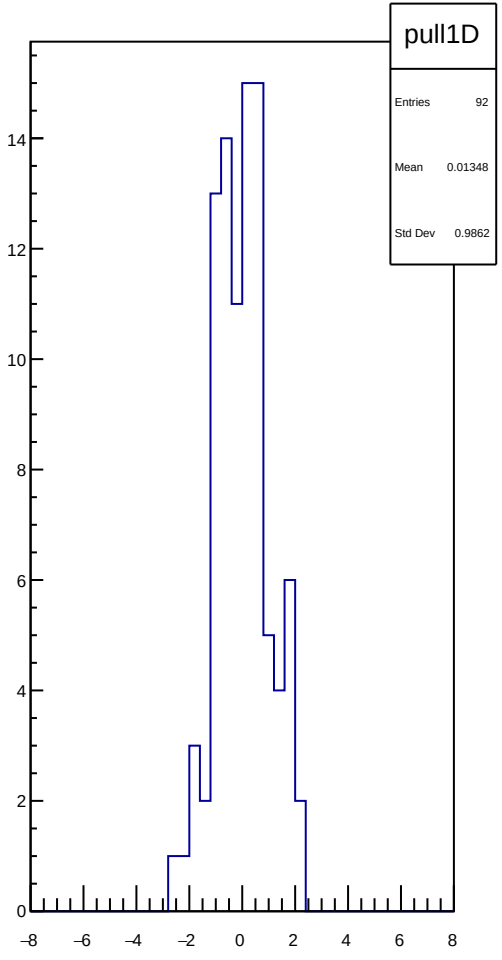

pull1D
Entries 92
Mean 0.01348
Std Dev 0.9862
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

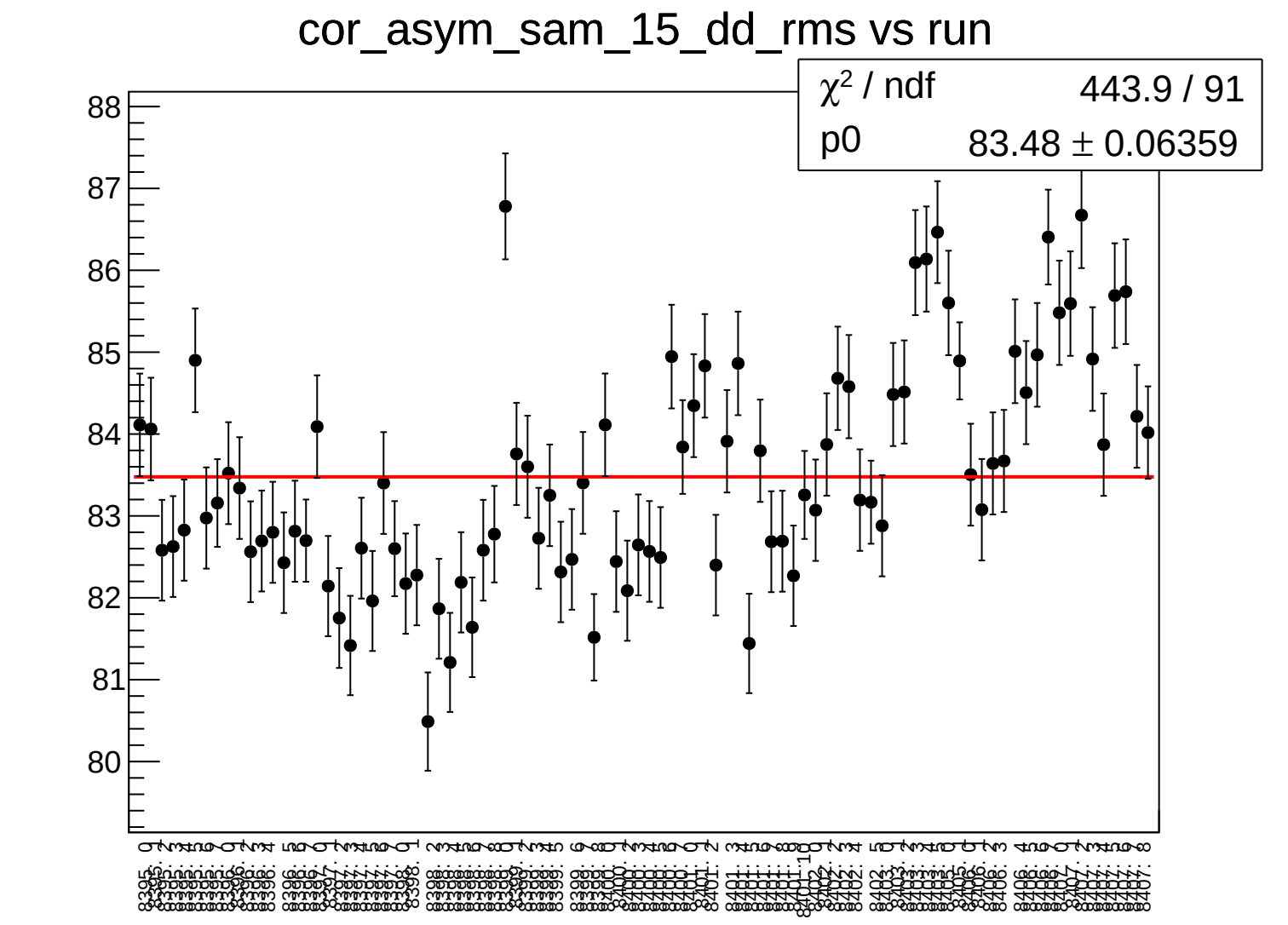

reg_asym_sam_15_dd_rms vs run
χ² / ndf 443.9 / 91
p0 83.48 ± 0.06359
88
87
86
85
84
83
82
81
80

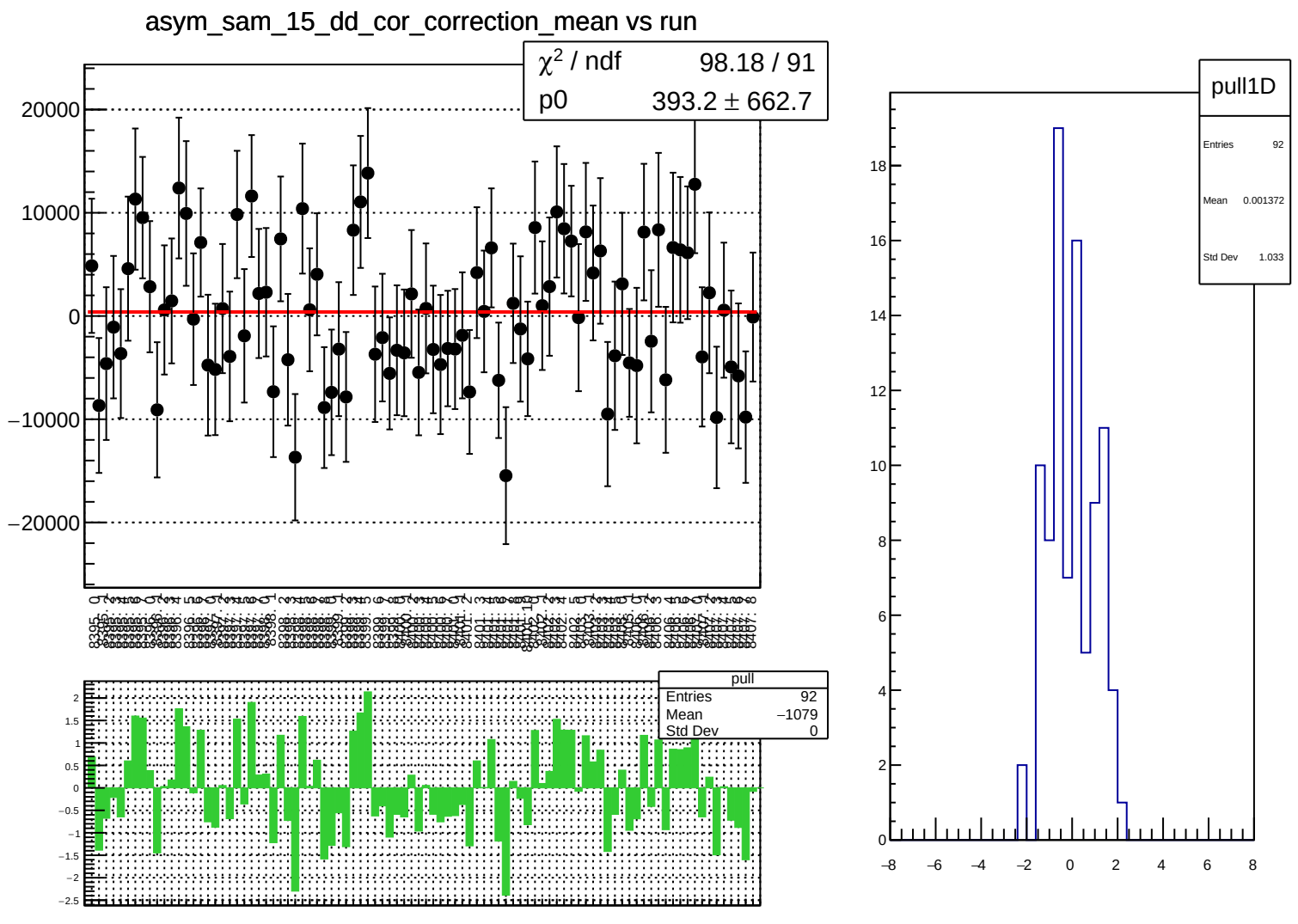

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 98.18 / 91
p0 393.2 ± 662.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −1077
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean 0.001374
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

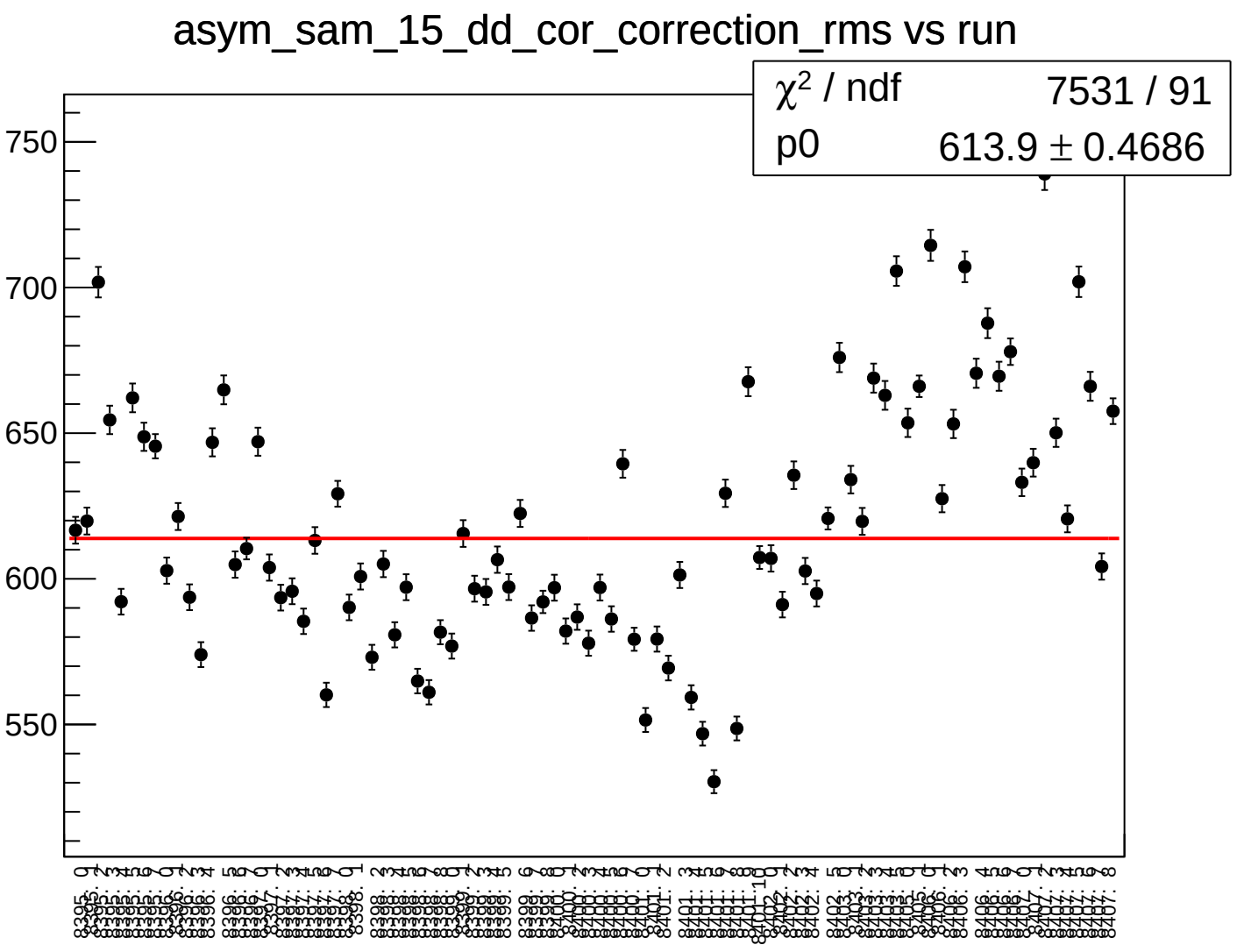

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 7531 / 91
p0 613.9 ± 0.4686
750
700
650
600
550

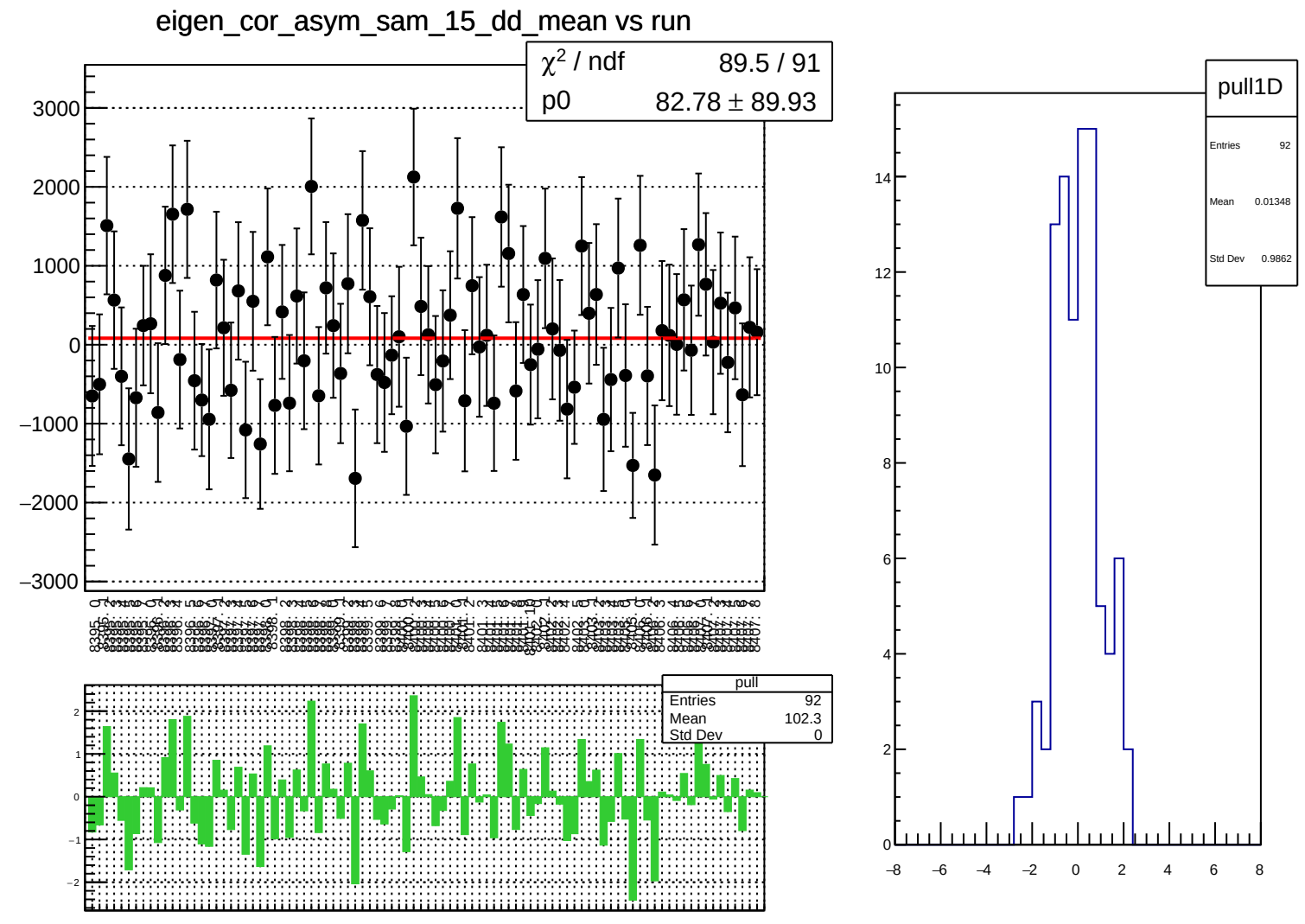

cor_asym_sam_15_dd_mean vs run
χ² / ndf 89.5 / 91
p0 82.78 ± 89.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 102.3
Std Dev 0
2
1
0
−1
−2

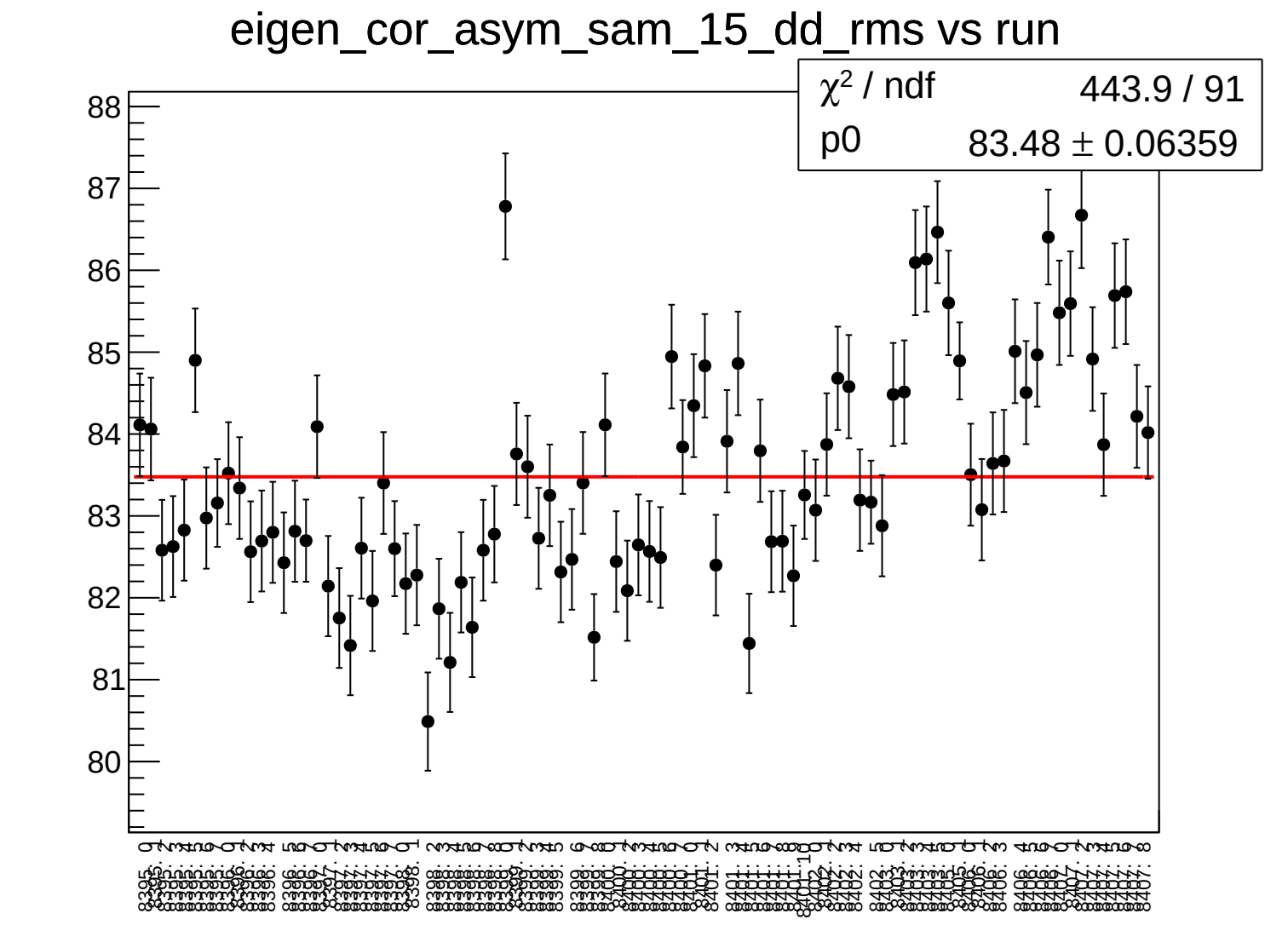

pull1D
Entries 92
Mean 0.01348
Std Dev 0.9862
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

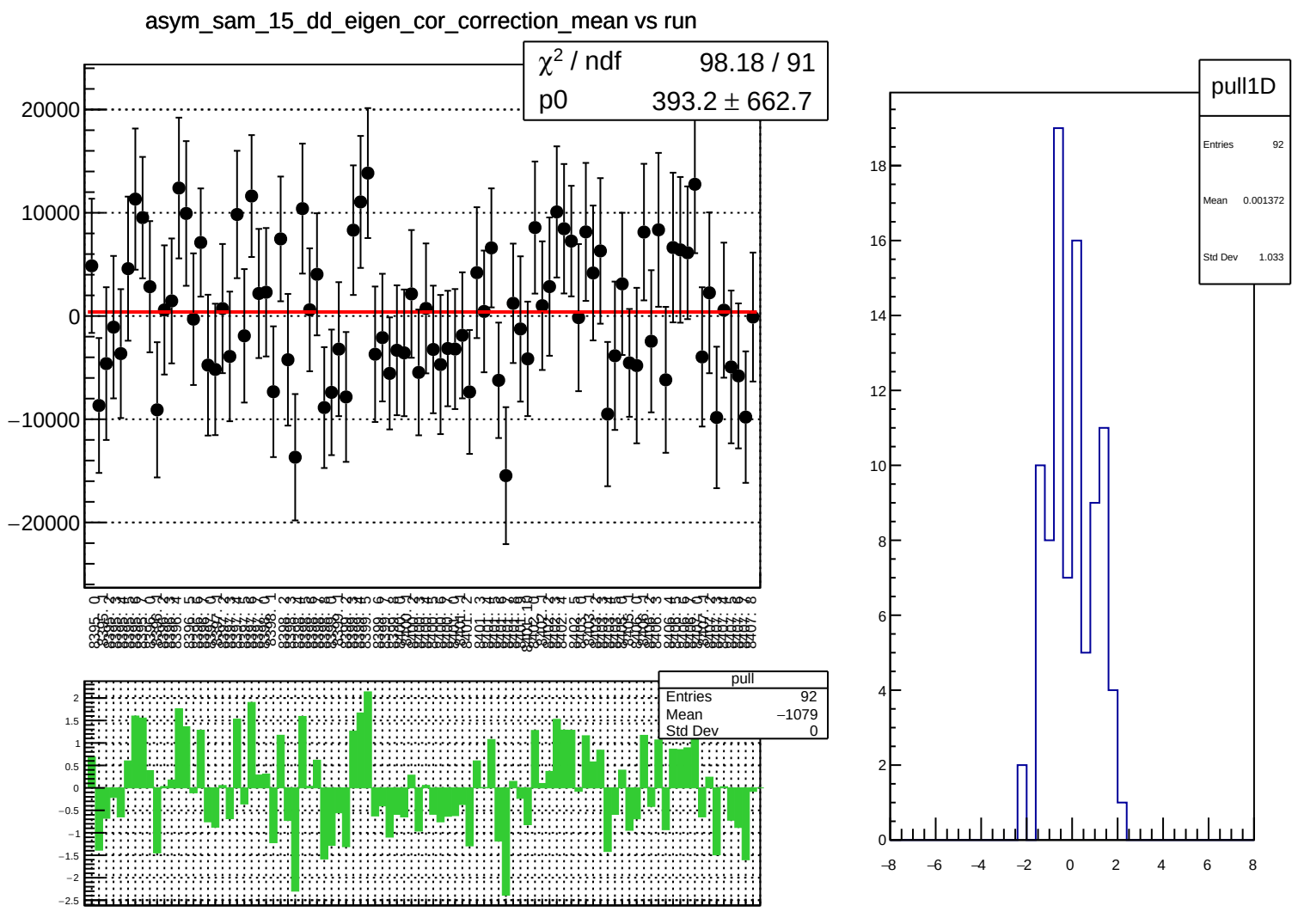

cor_asym_sam_15_dd_rms vs run
χ² / ndf 443.9 / 91
p0 83.48 ± 0.06359
88
87
86
85
84
83
82
81
80

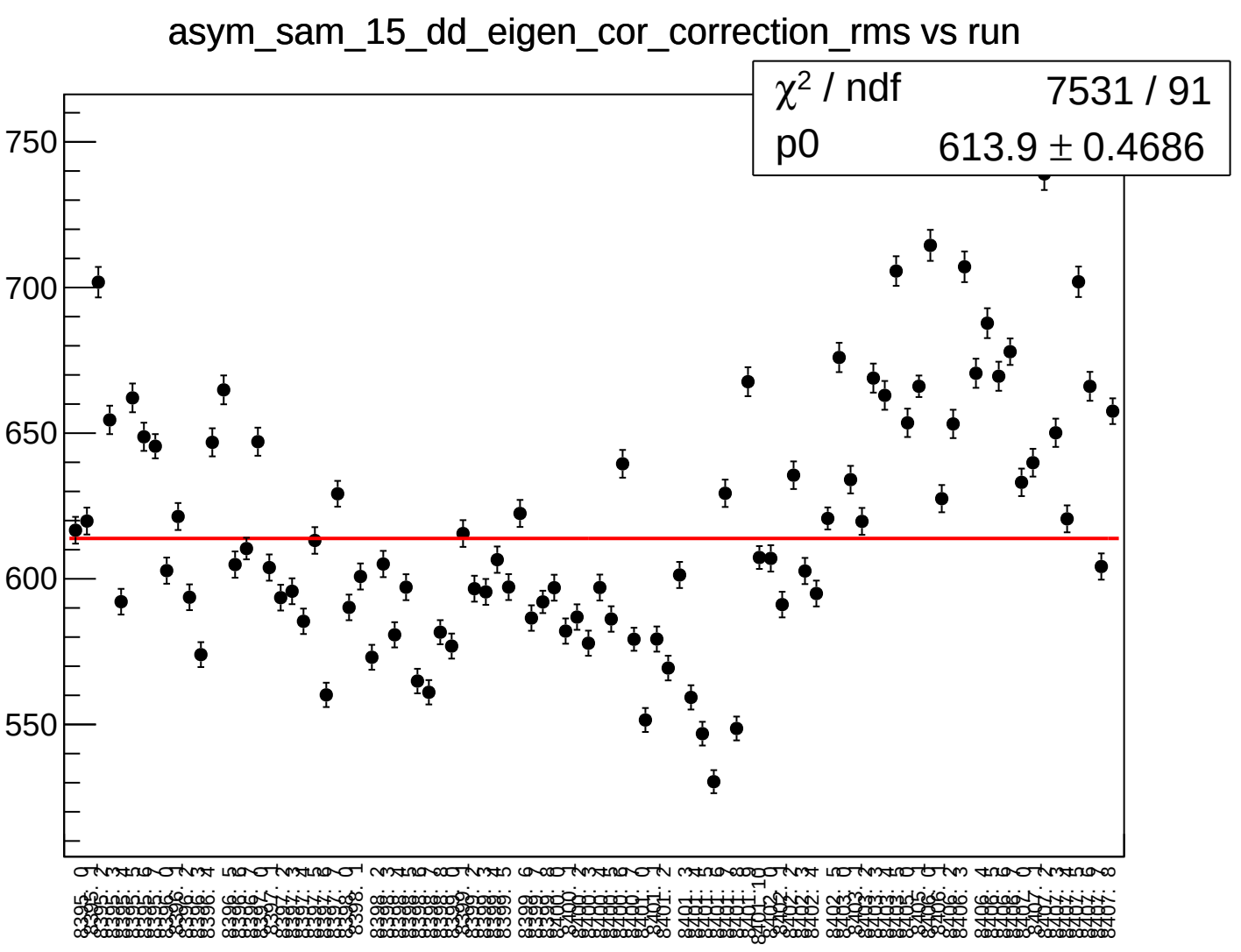

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 98.18 / 91
p0 393.2 ± 662.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −1079
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean 0.001372
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

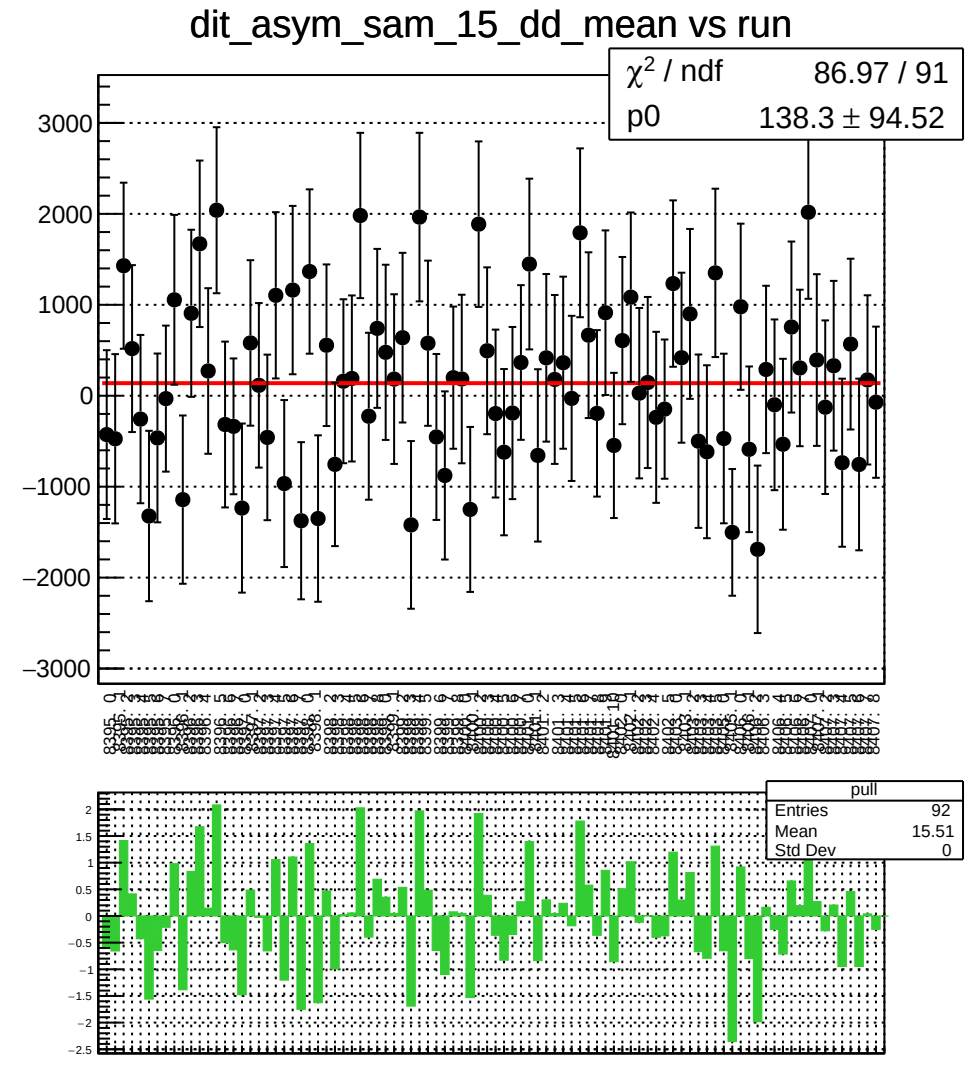

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 7531 / 91
p0 613.9 ± 0.4686
750
700
650
600
550

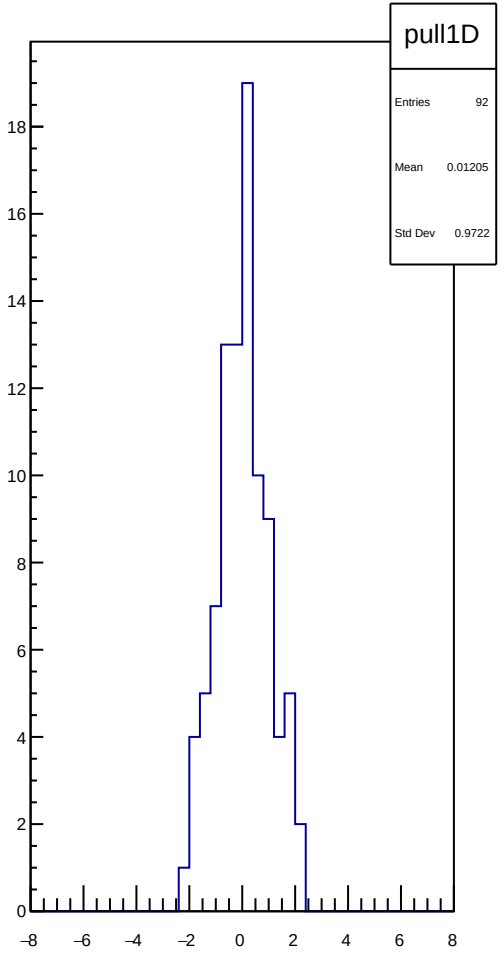

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 89.5 / 91
p0 82.78 ± 89.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 102.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.01348
Std Dev 0.9862
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

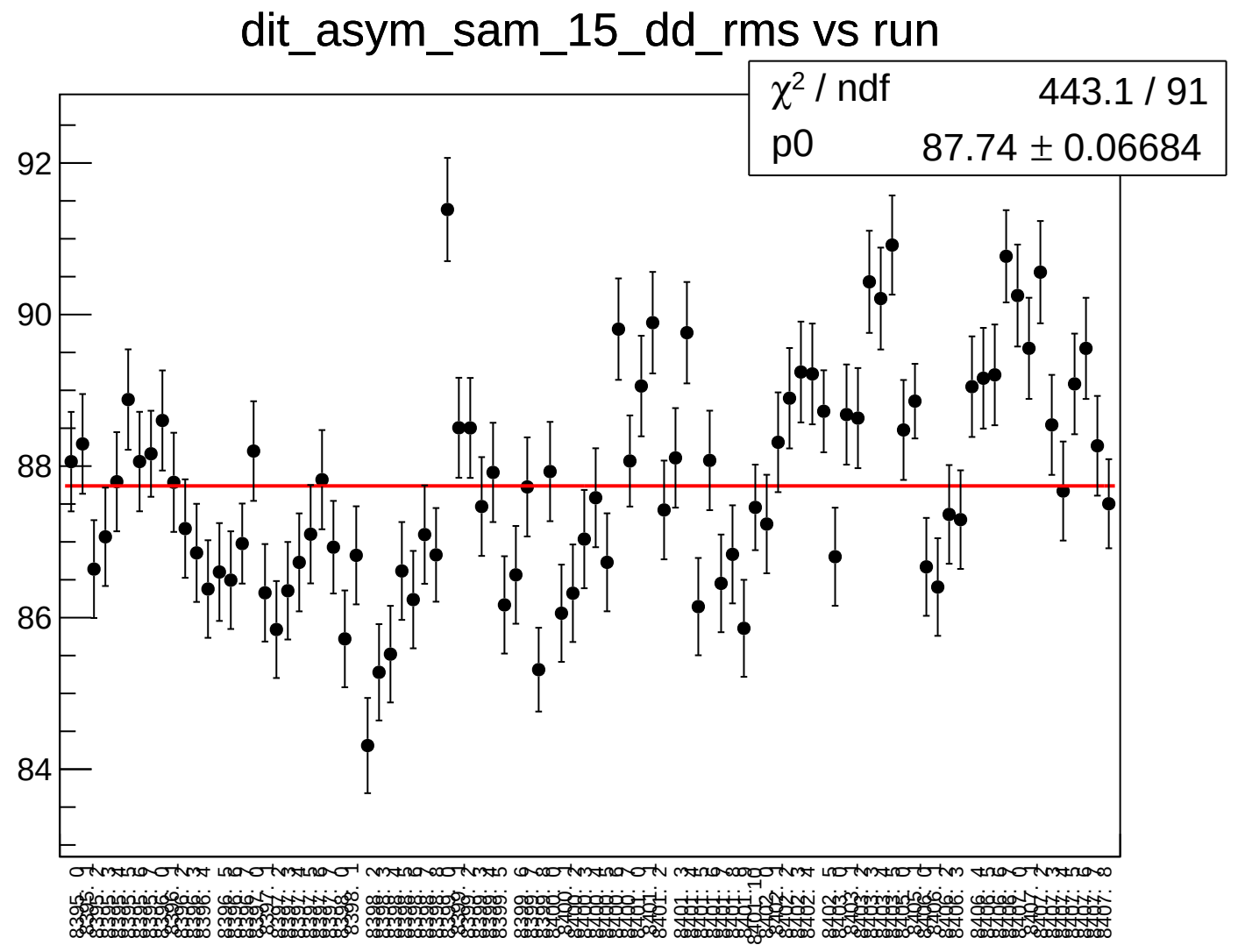

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 443.9 / 91
p0 83.48 ± 0.06359
88
87
86
85
84
83
82
81
80

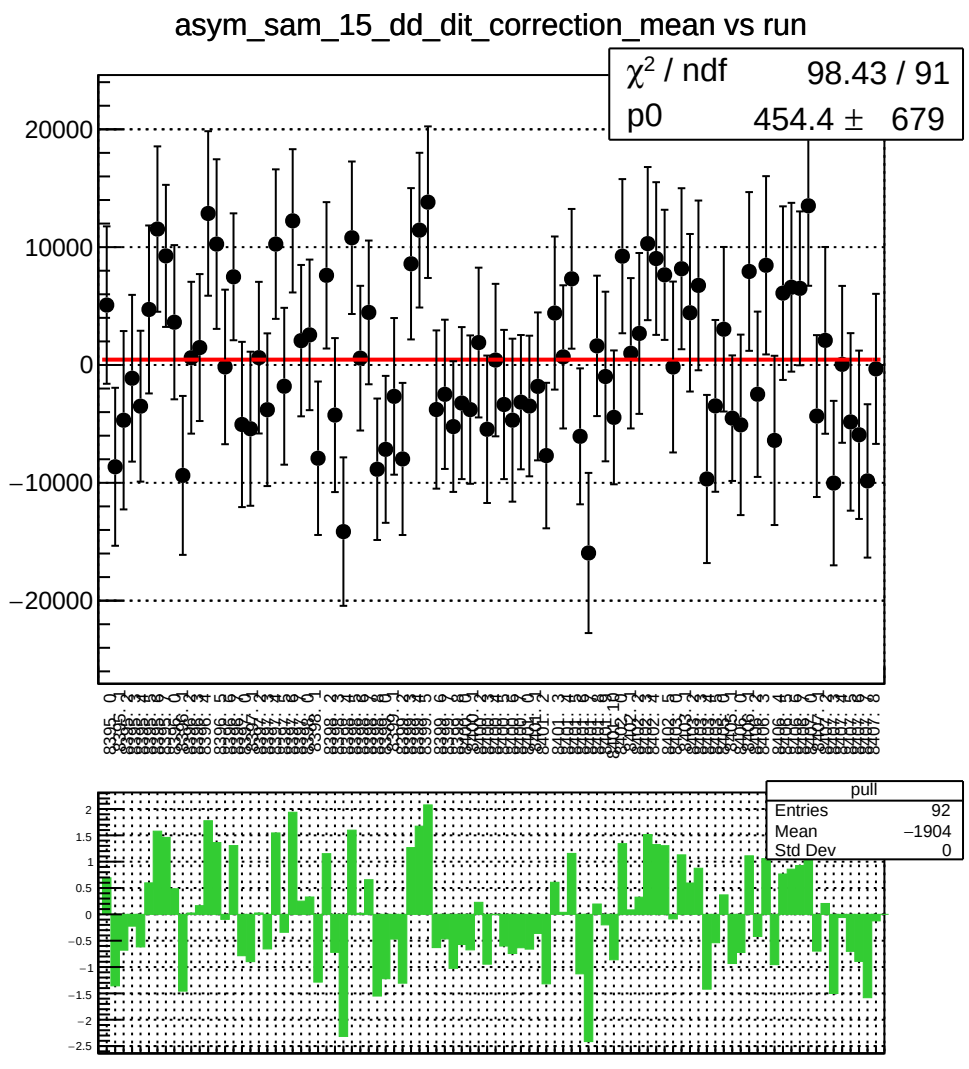

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 98.18 / 91
p0 393.2 ± 662.7
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −1079
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean 0.001372
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

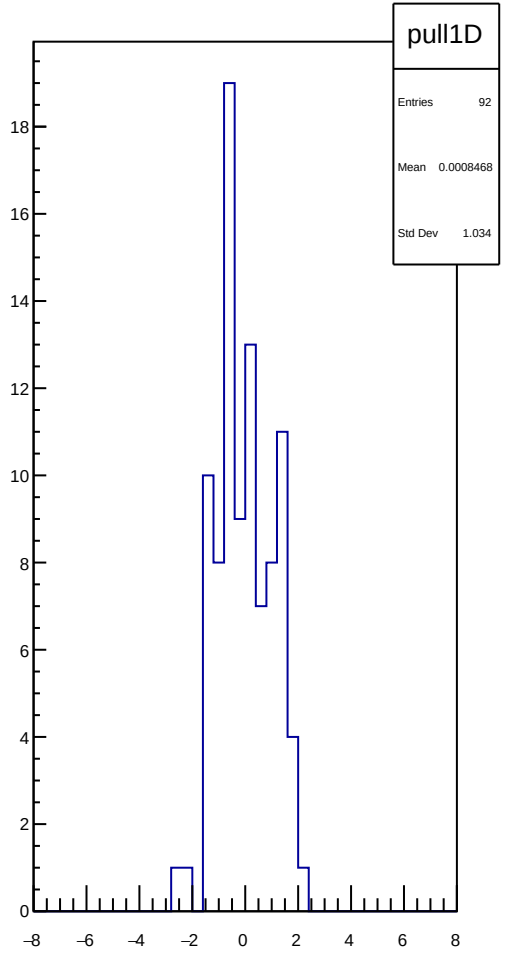

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 7531 / 91
p0 613.9 ± 0.4686
750
700
650
600
550

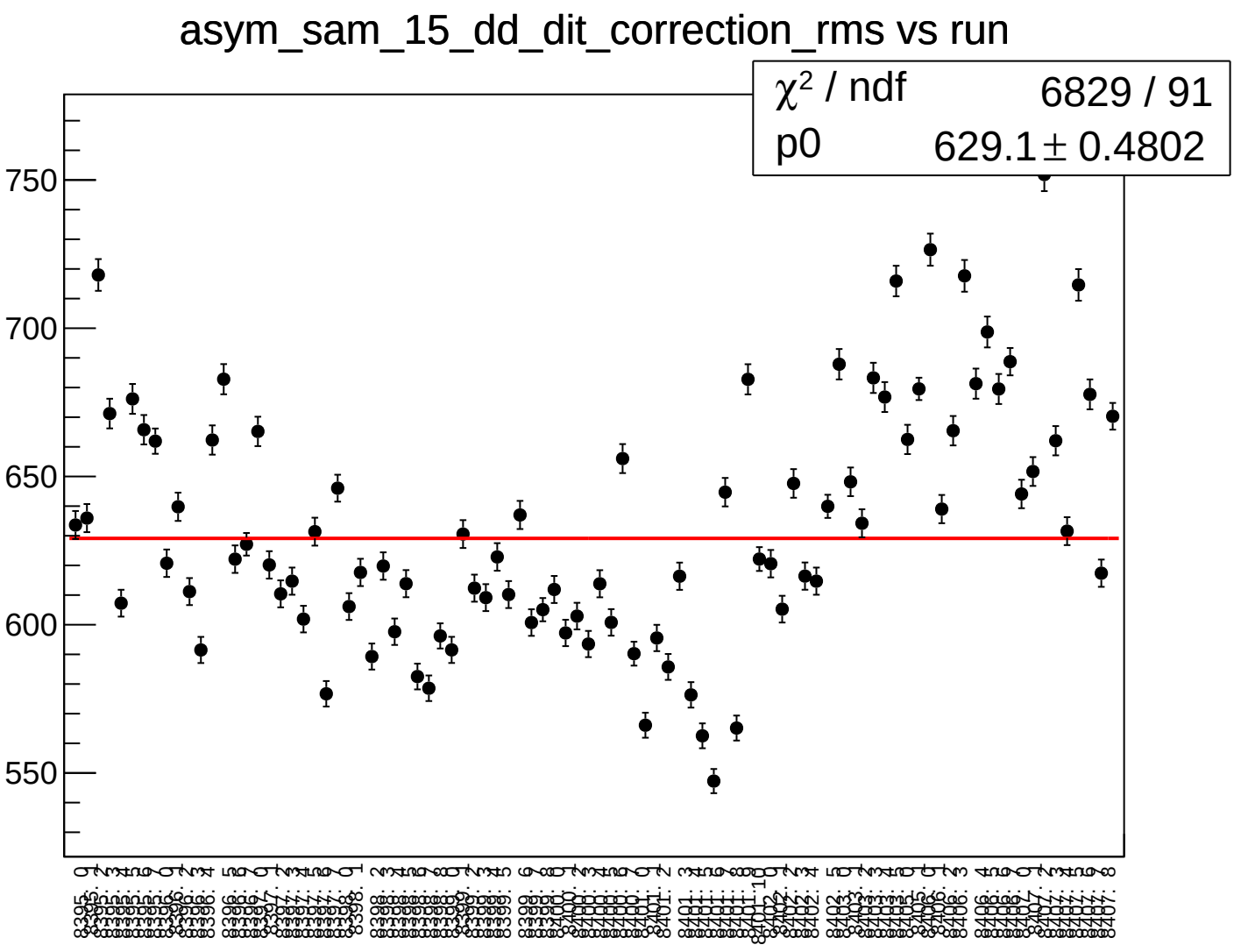

dit_asym_sam_15_dd_mean vs run
χ² / ndf 86.97 / 91
p0 138.3 ± 94.52
pull
Entries 92
Mean 15.51
Std Dev 0

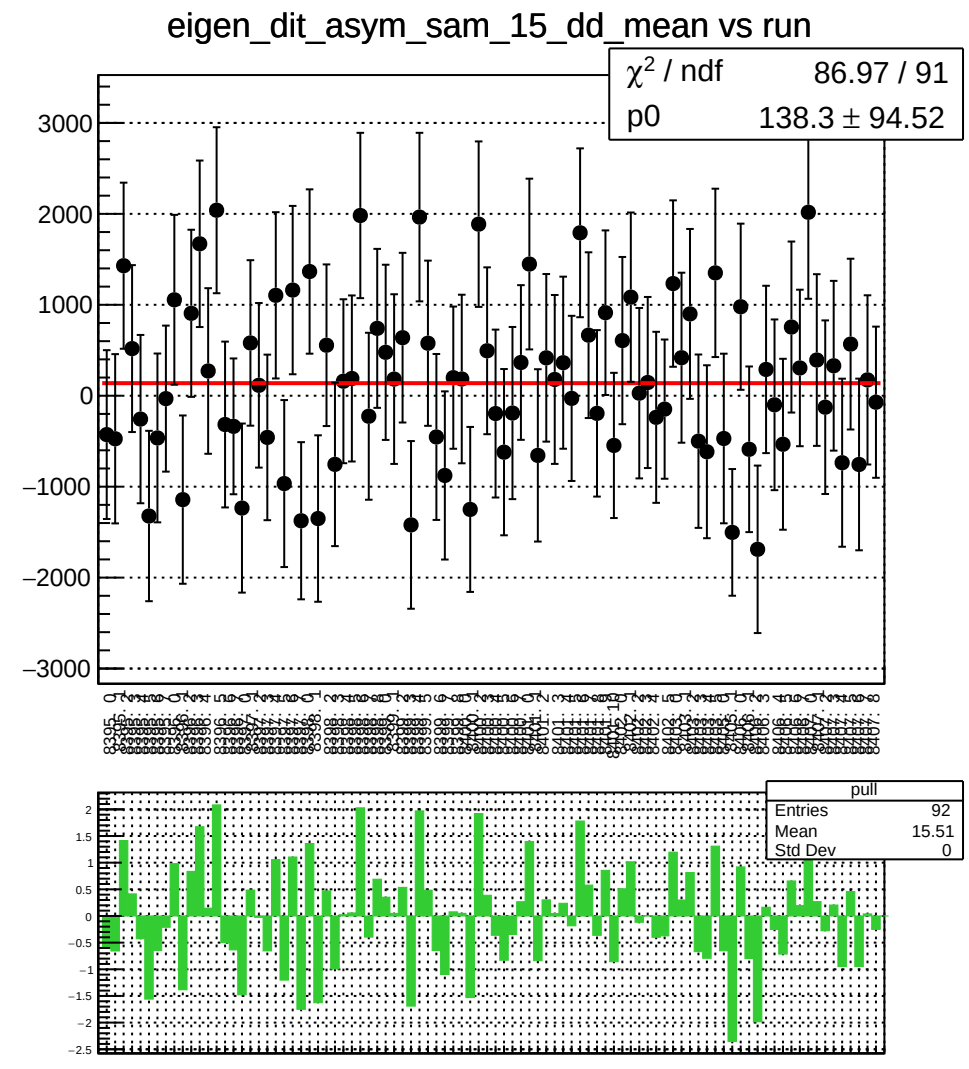

pull1D
Entries 92
Mean 0.01205
Std Dev 0.9722

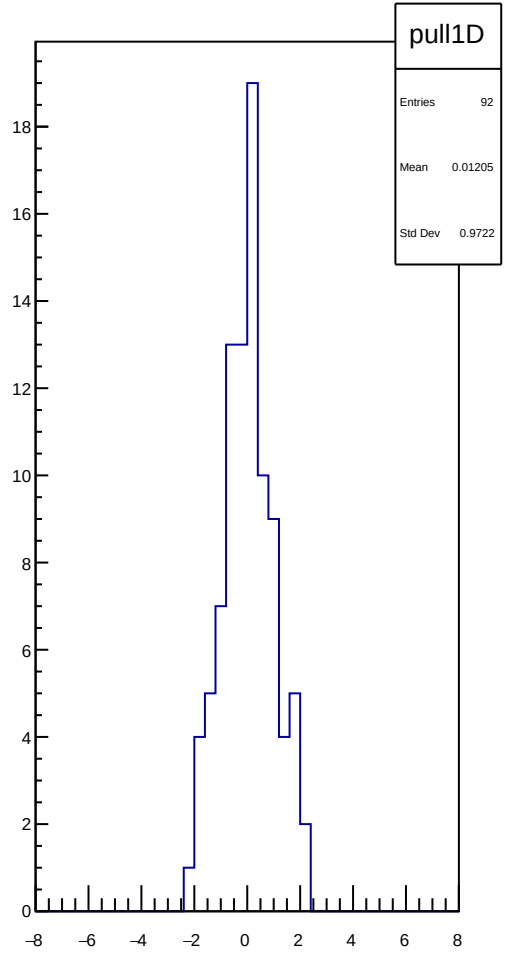

dit_asym_sam_15_dd_rms vs run
χ² / ndf 443.1 / 91
p0 87.74 ± 0.06684
92
90
88
86
84

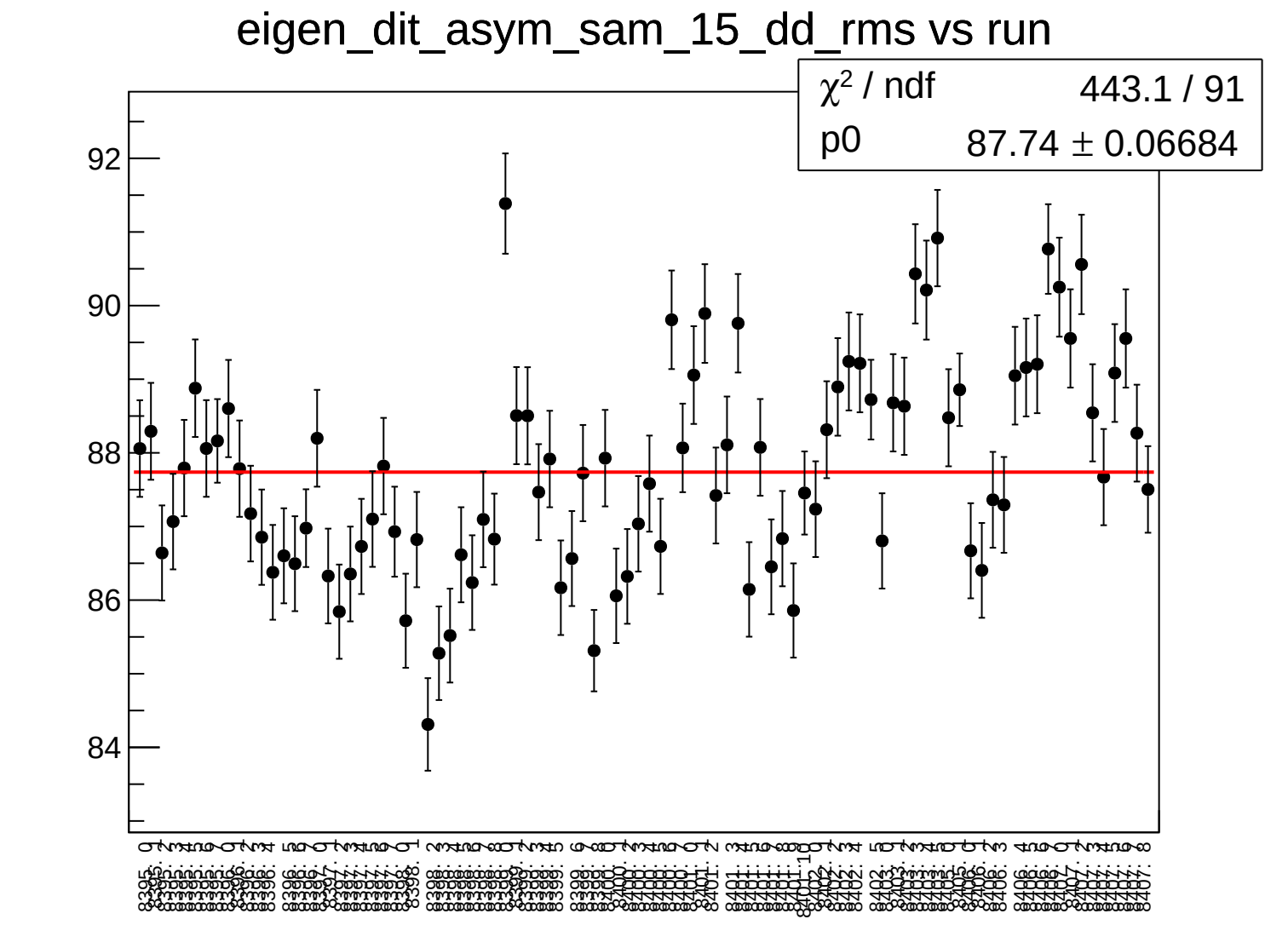

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 98.43 / 91
p0 454.4 ± 679
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −1904
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

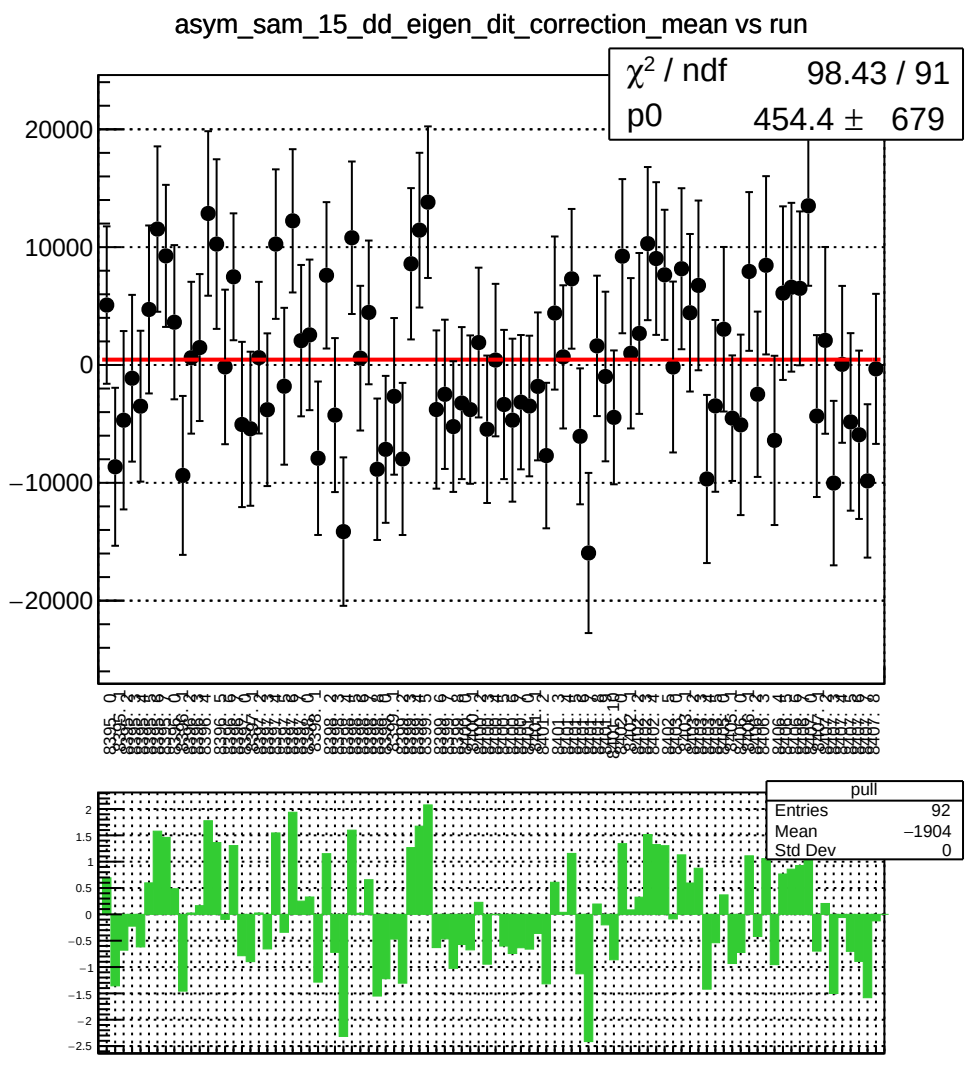

pull1D
Entries 92
Mean 0.0008468
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

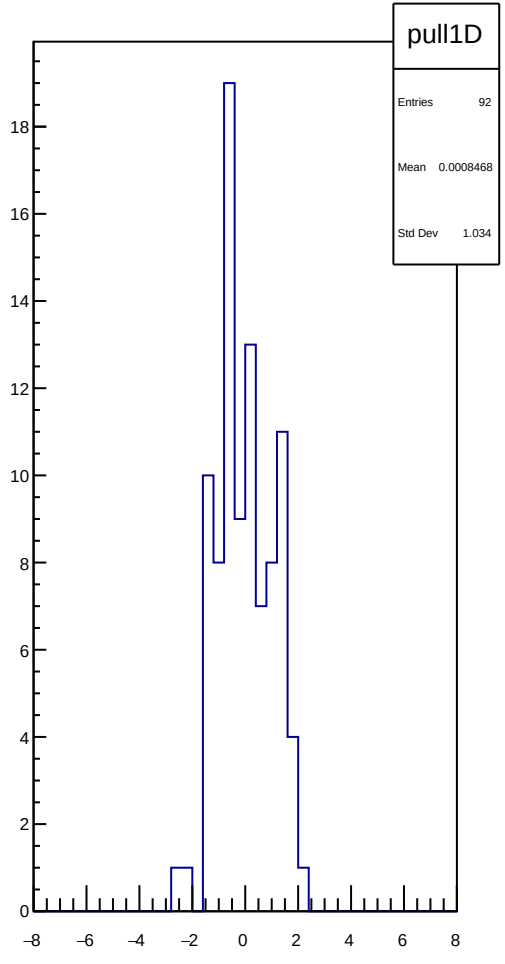

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 6829 / 91
p0 629.1 ± 0.4802
750
700
650
600
550

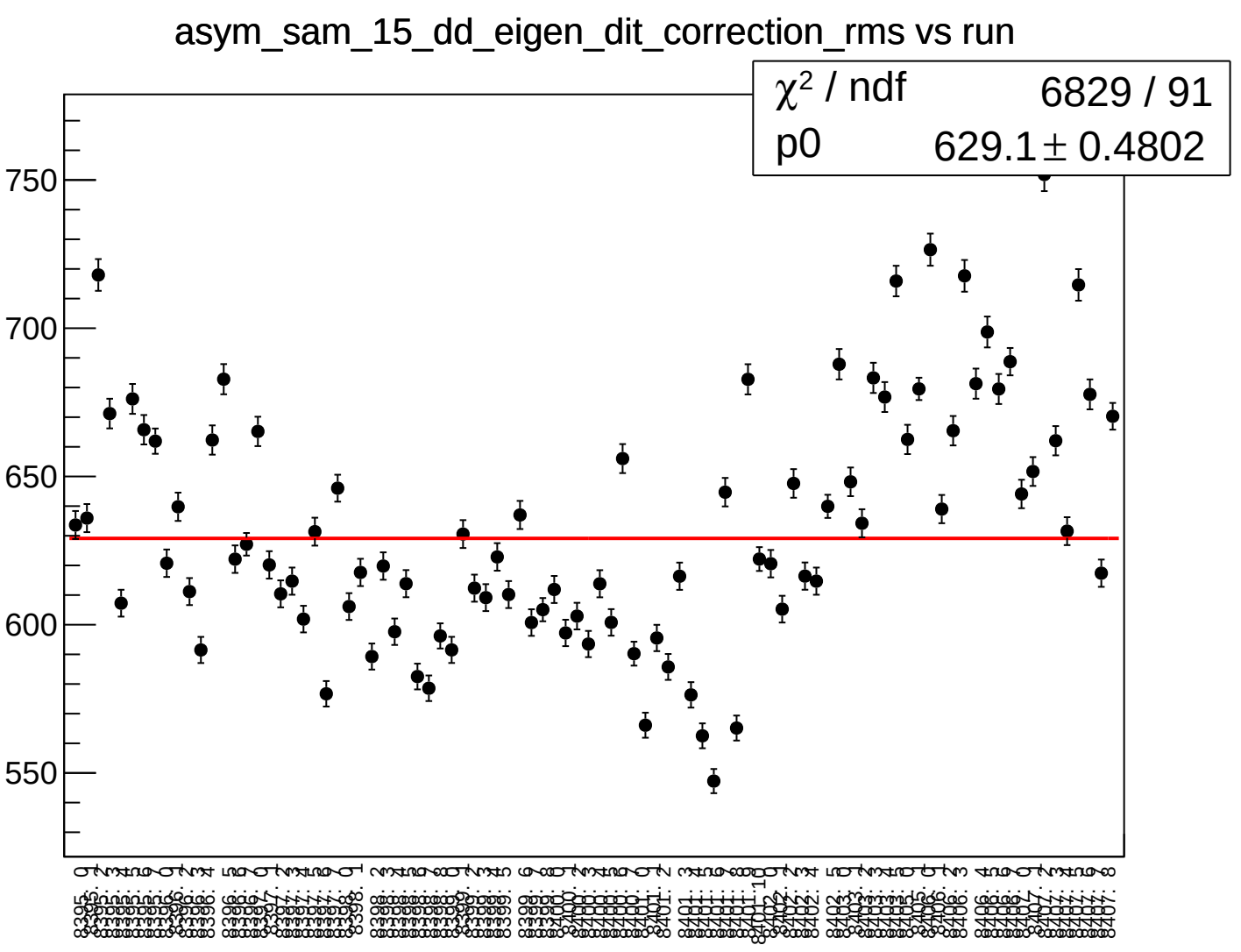

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 86.97 / 91
p0 138.3 ± 94.52
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 15.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

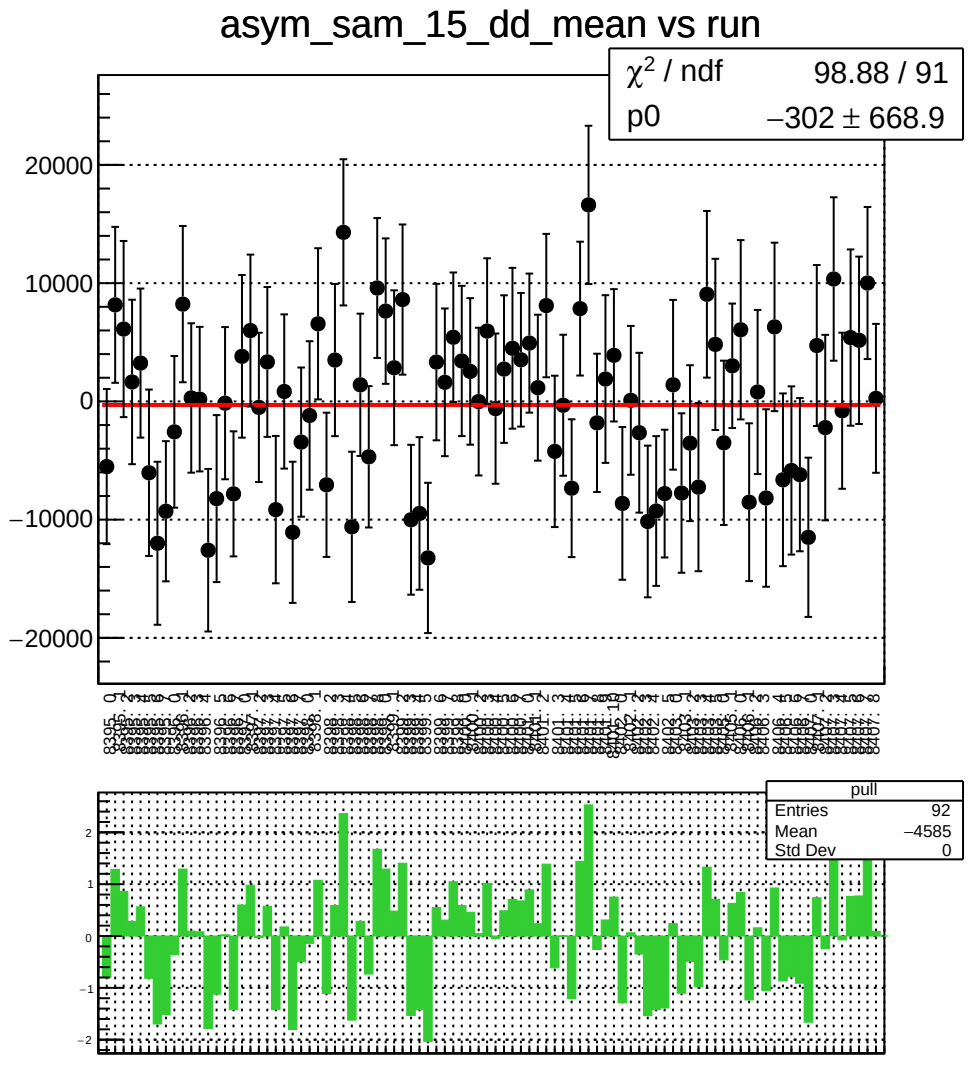

pull1D
Entries 92
Mean 0.01205
Std Dev 0.9722
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

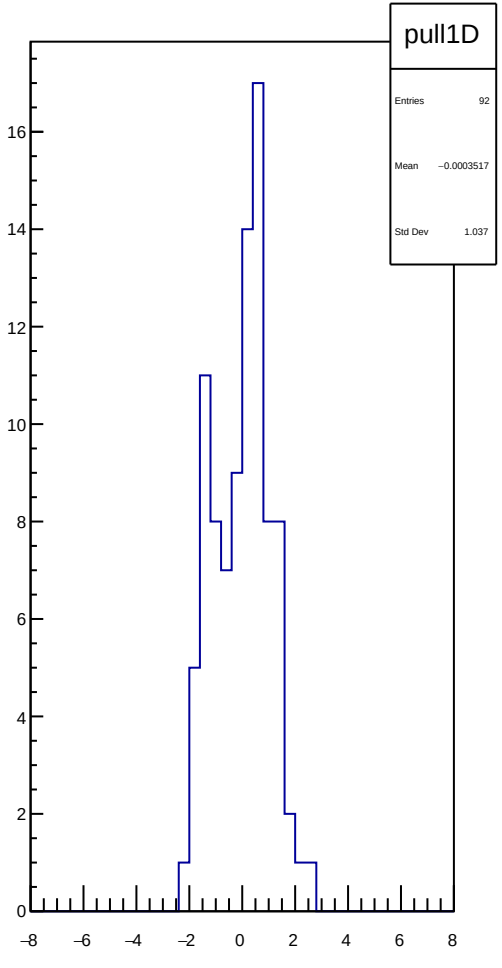

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 443.1 / 91
p0 87.74 ± 0.06684
92
90
88
86
84

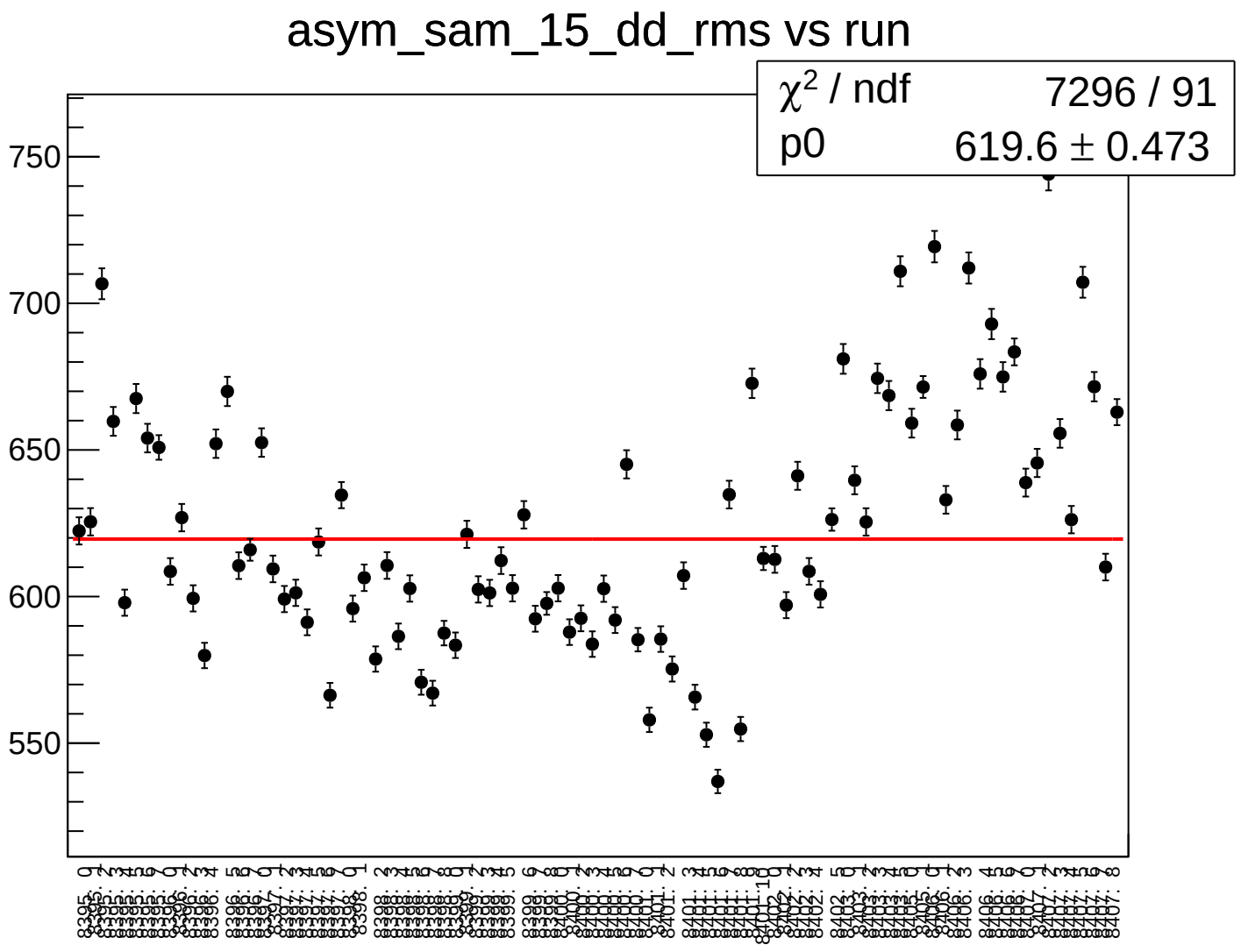

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 98.43 / 91
p0 454.4 ± 679
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −1904
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

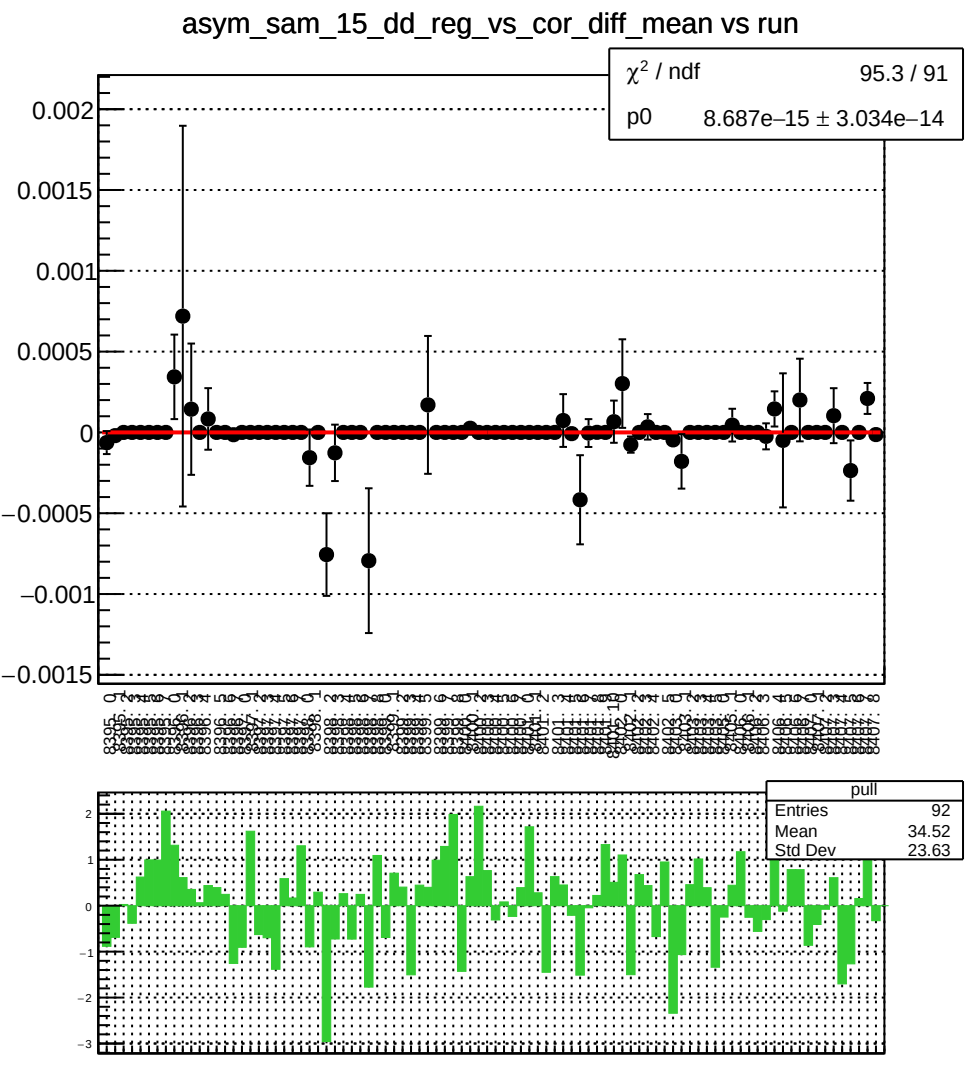

pull1D
Entries 92
Mean 0.0008468
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

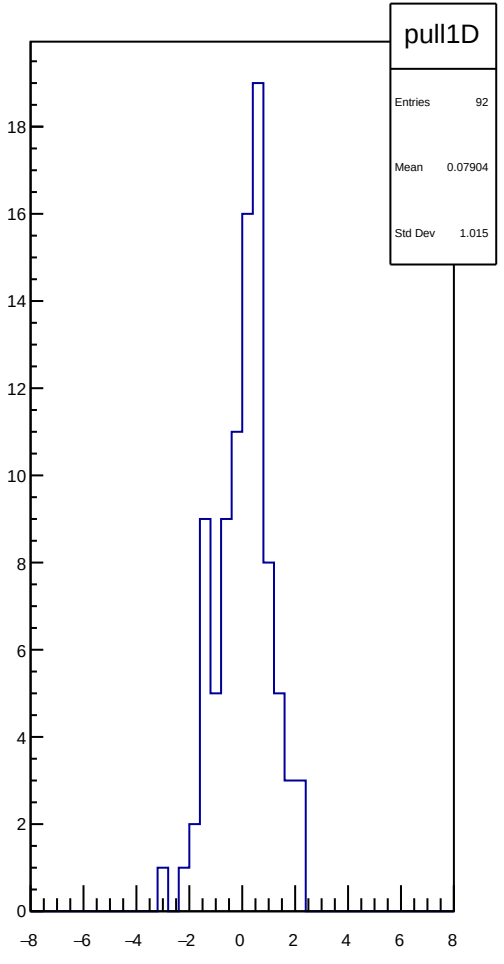

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 6829 / 91
p0 629.1 ± 0.4802
750
700
650
600
550

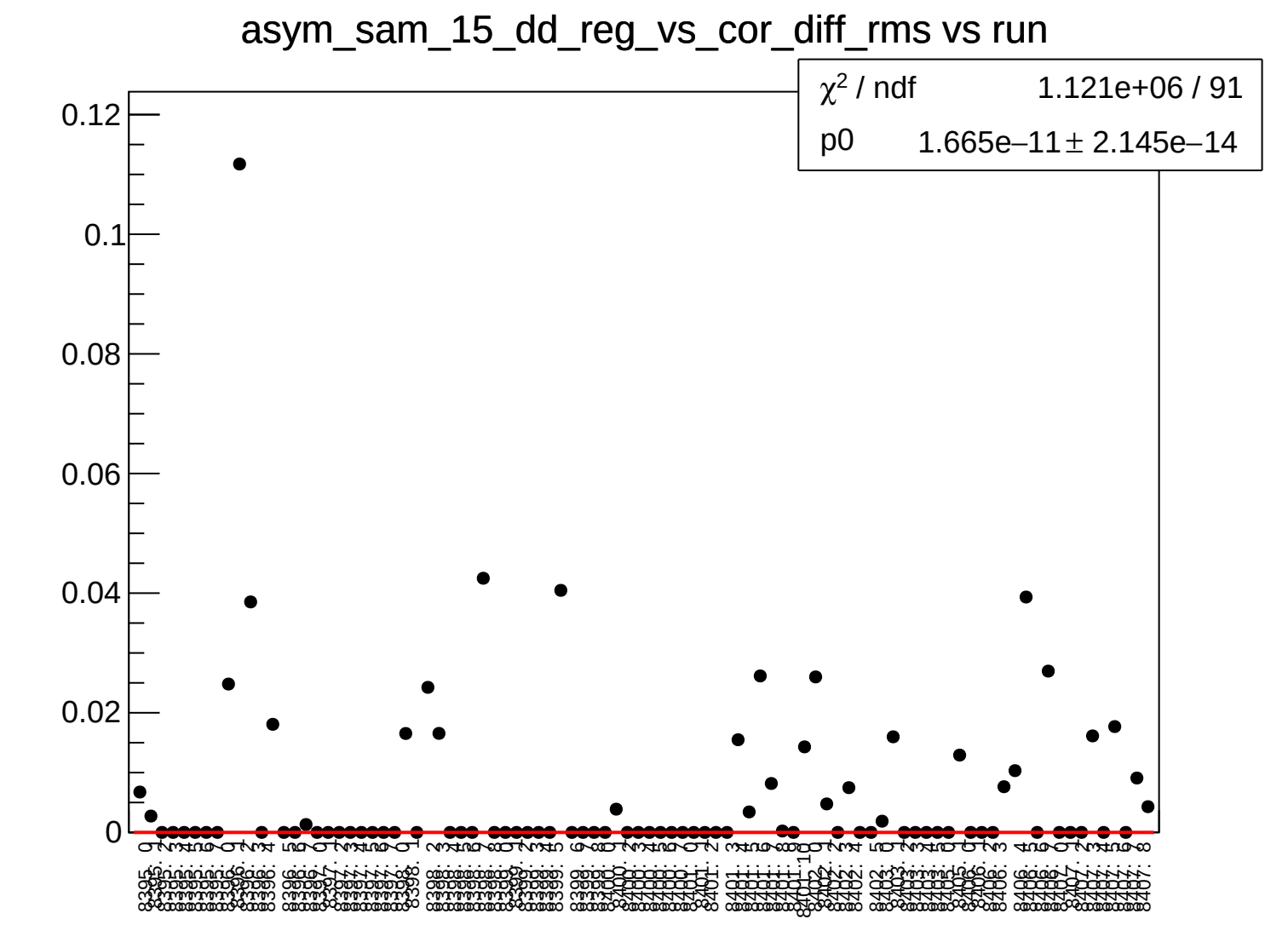

asym_sam_15_dd_mean vs run
χ² / ndf 98.88 / 91
p0 −302 ± 668.9
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −4585
Std Dev 0
2
1
0
−1
−2

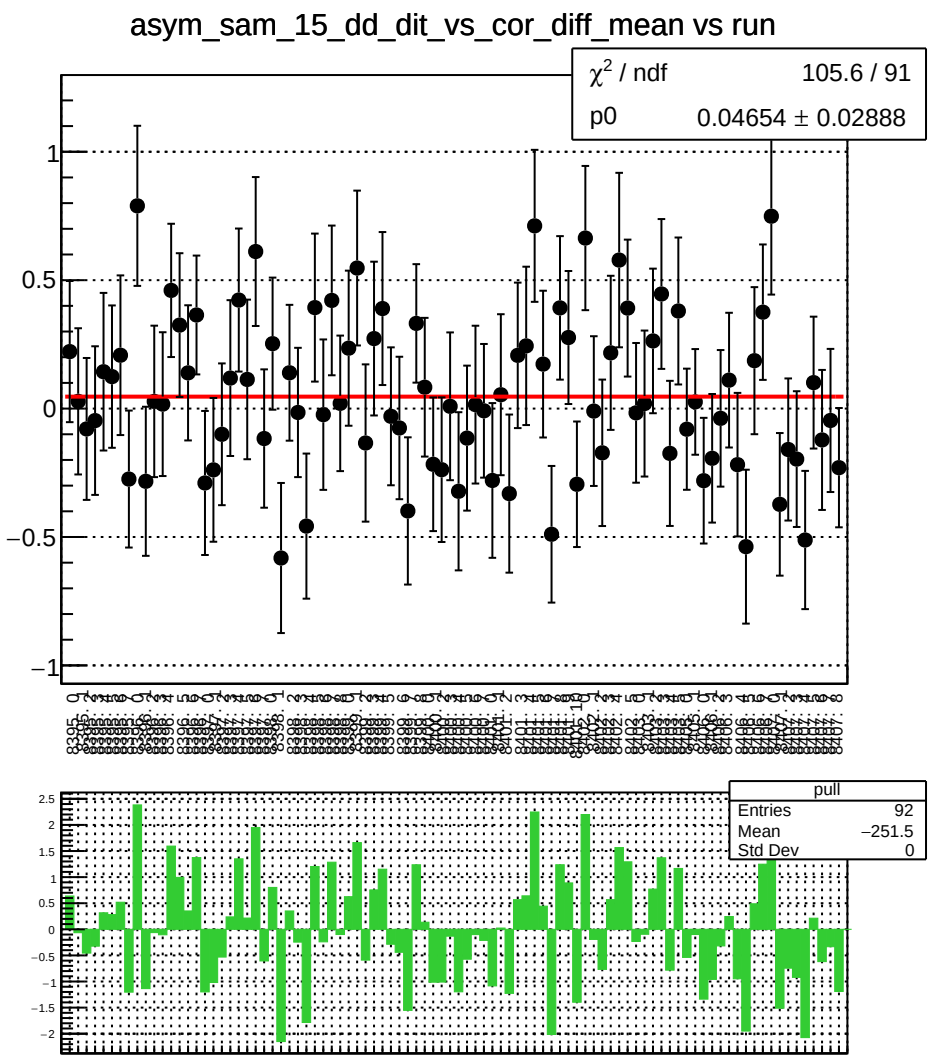

pull1D
Entries 92
Mean −0.0003517
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

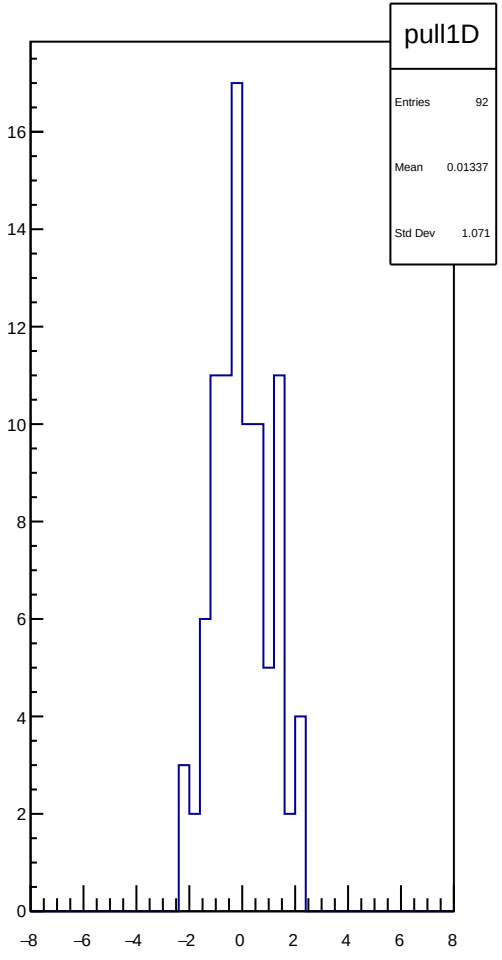

asym_sam_15_dd_rms vs run
χ² / ndf 7296 / 91
p0 619.6 ± 0.473
750
700
650
600
550

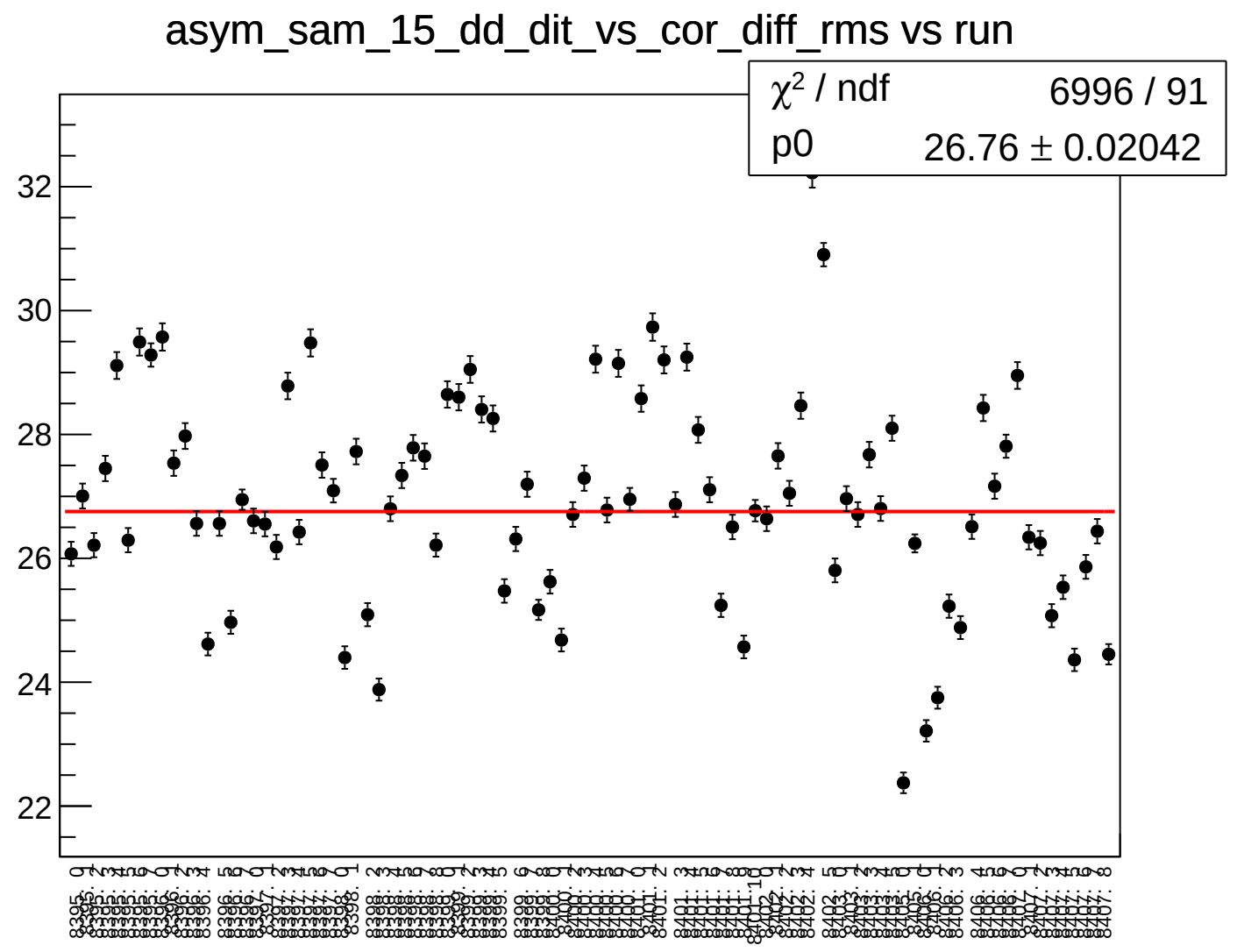

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 95.3 / 91
p0 8.687e−15 ± 3.034e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean 34.52
Std Dev 23.63
2
1
0
−1
−2
−3

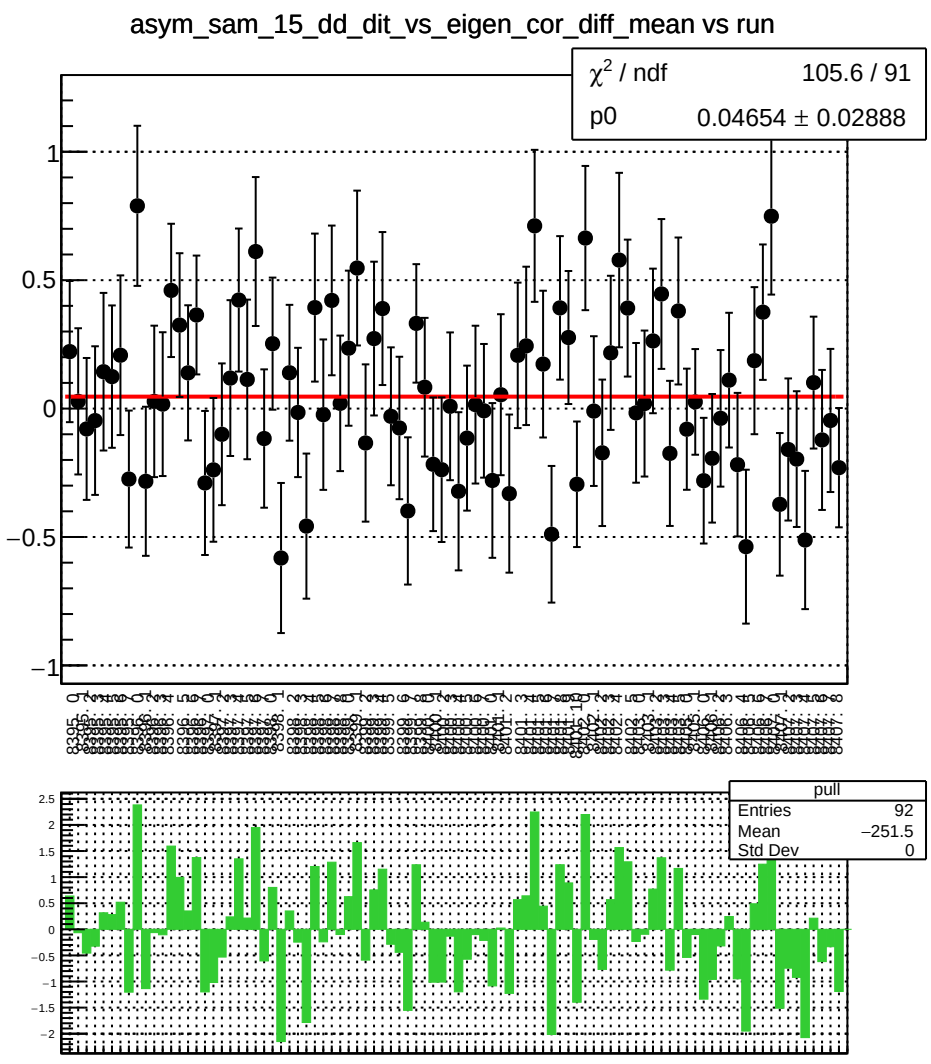

pull1D
Entries 92
Mean 0.07904
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

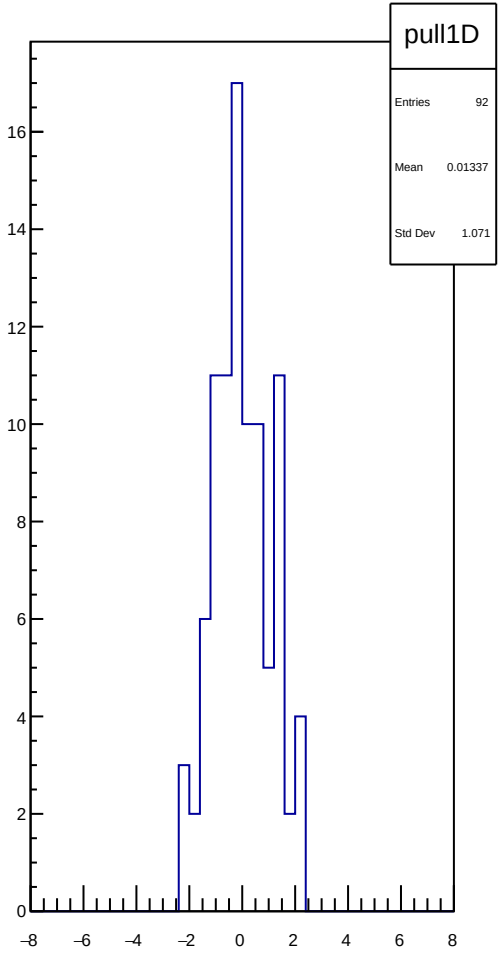

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.121e+06 / 91
p0 1.665e−11 ± 2.145e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

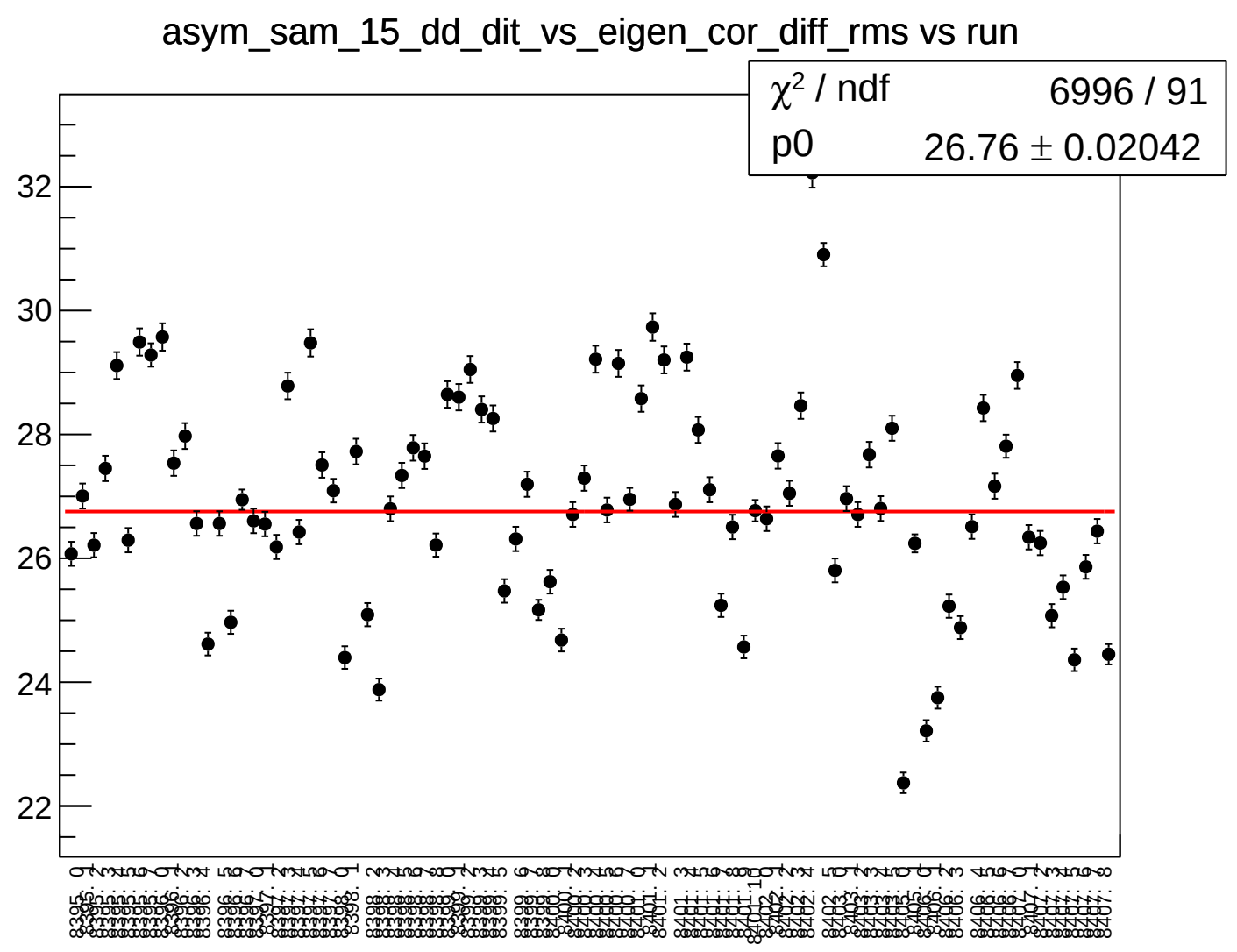

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 105.6 / 91
p0 0.04654 ± 0.02888
pull
Entries 92
Mean −251.5
Std Dev 0

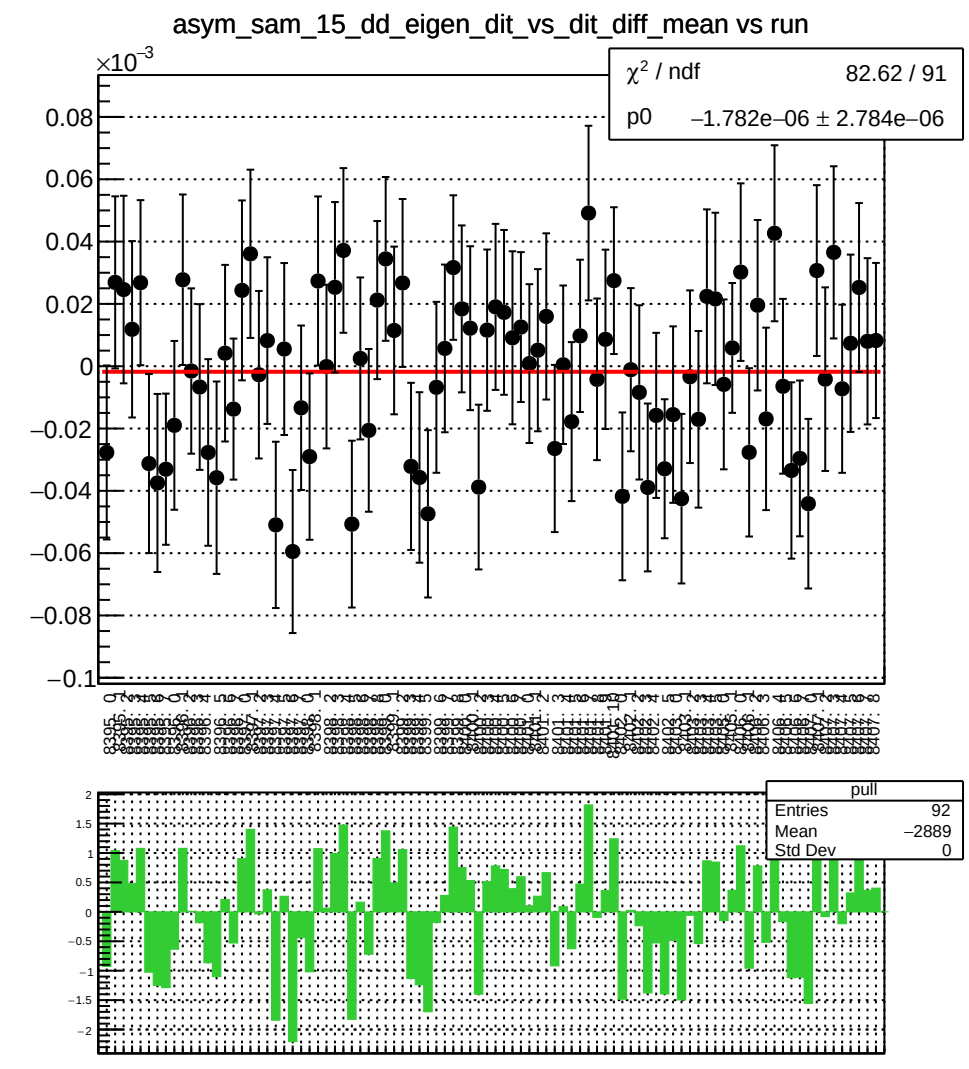

pull1D
Entries 92
Mean 0.01337
Std Dev 1.071

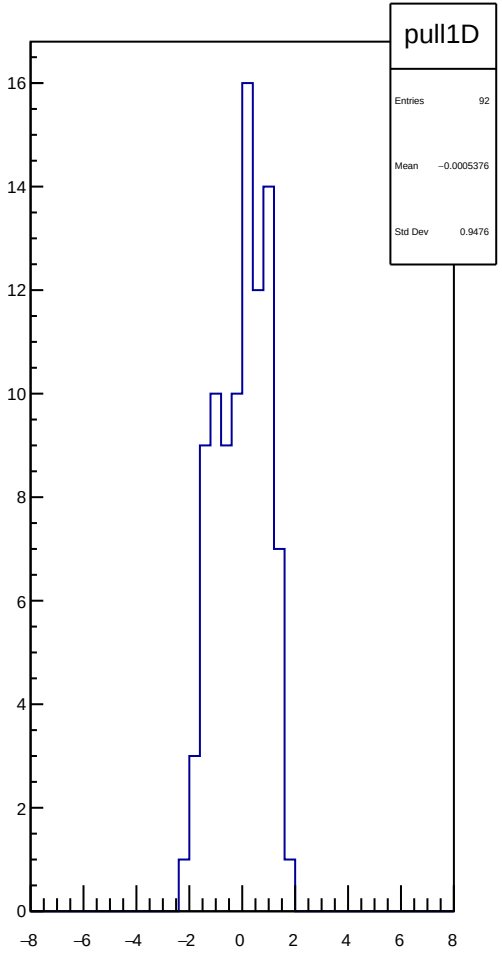

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6996 / 91
p0 26.76 ± 0.02042
32
30
28
26
24
22

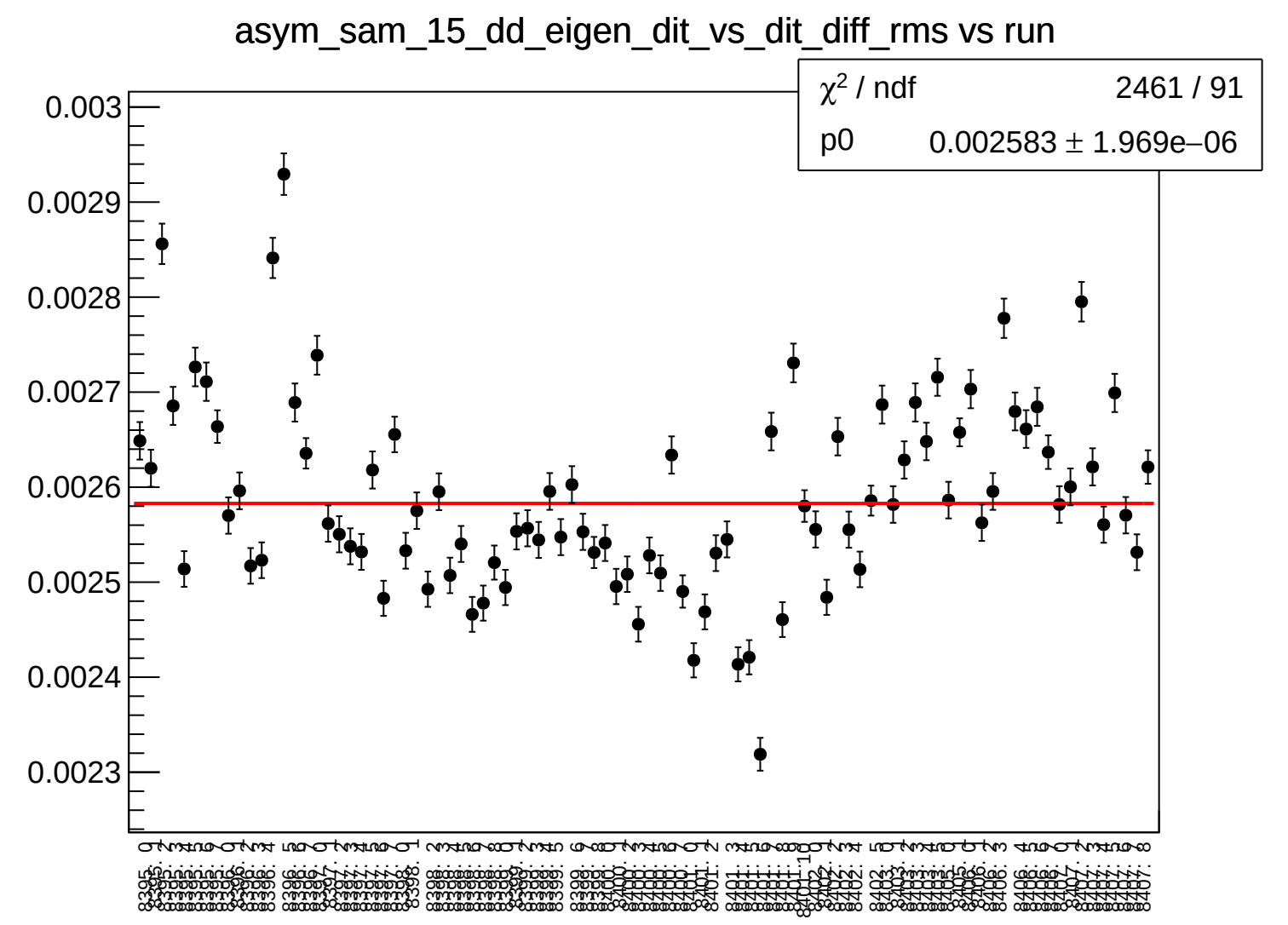

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.6 / 91
p0 0.04654 ± 0.02888
pull
Entries 92
Mean −251.5
Std Dev 0

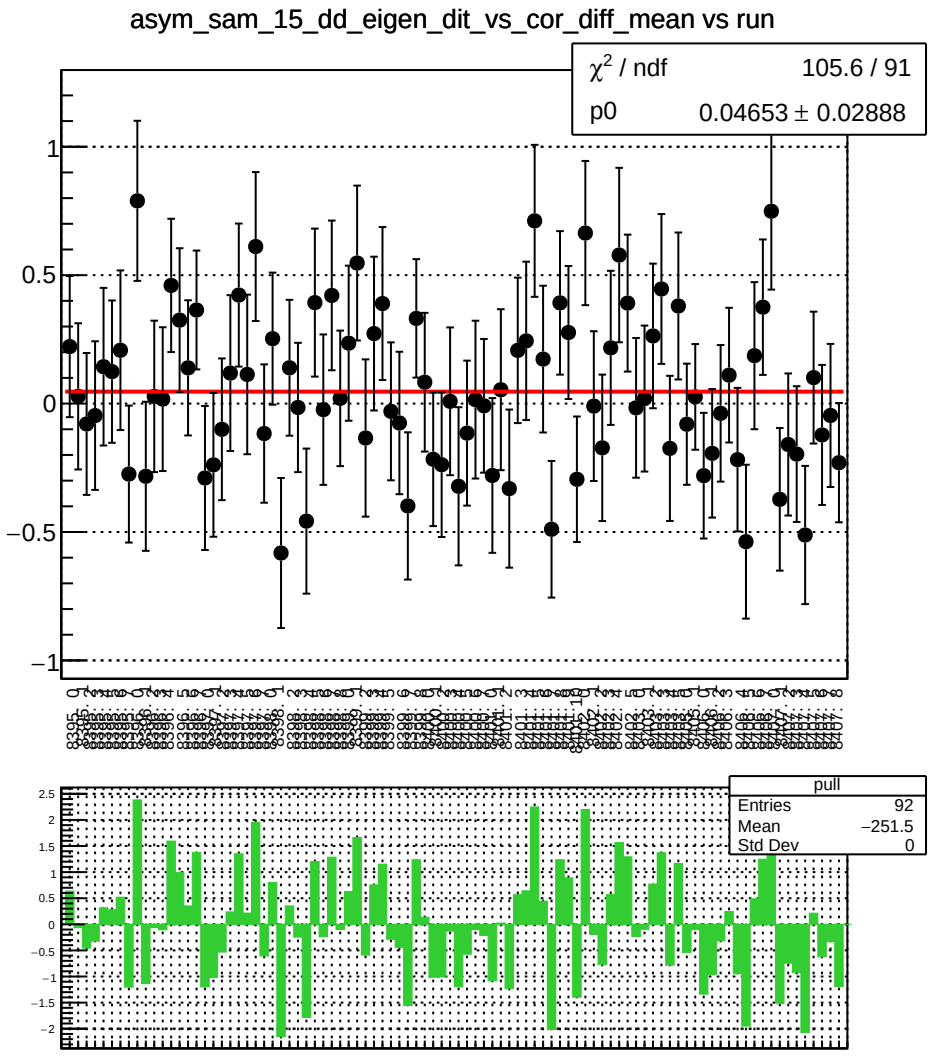

pull1D
Entries 92
Mean 0.01337
Std Dev 1.071

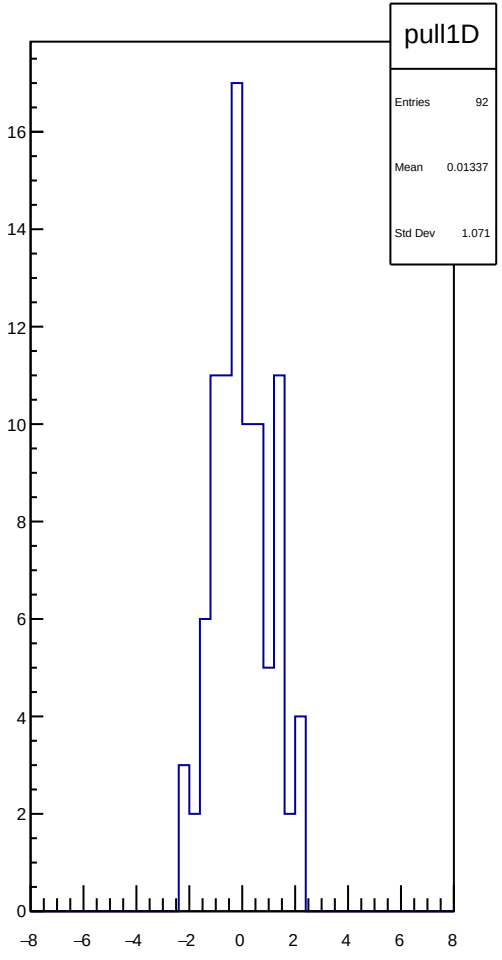

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6996 / 91
p0 26.76 ± 0.02042
32
30
28
26
24
22

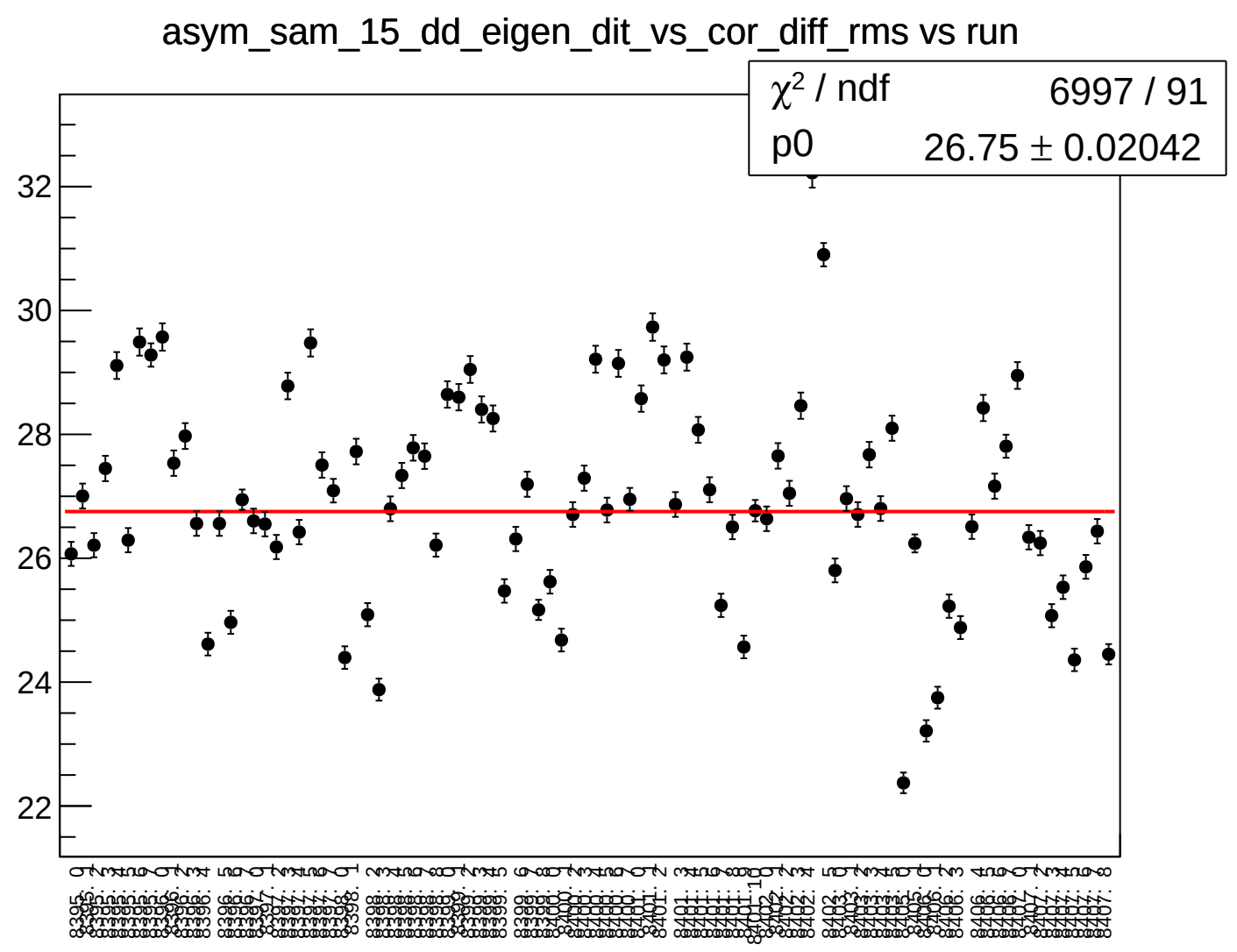

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 82.62 / 91
p0 −1.782e−06 ± 2.784e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 92
Mean −2889
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

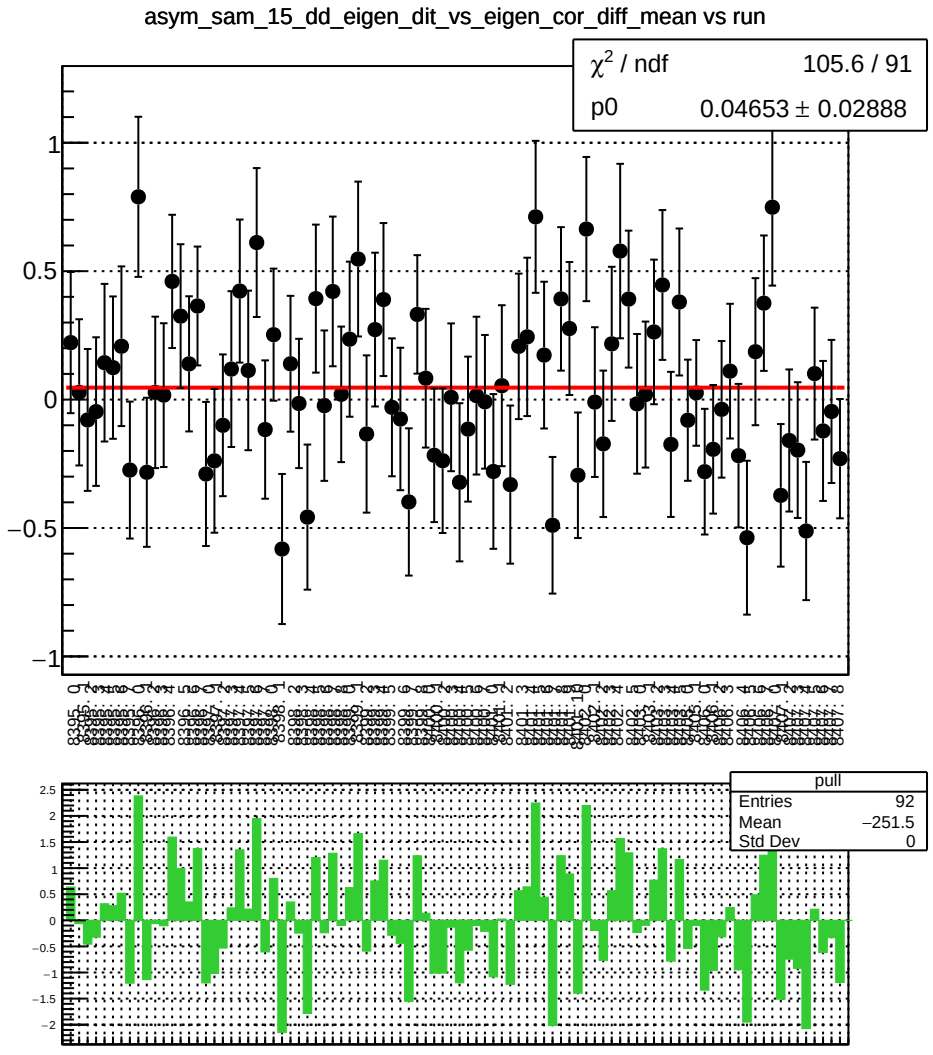

pull1D
Entries 92
Mean −0.0005376
Std Dev 0.9476
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

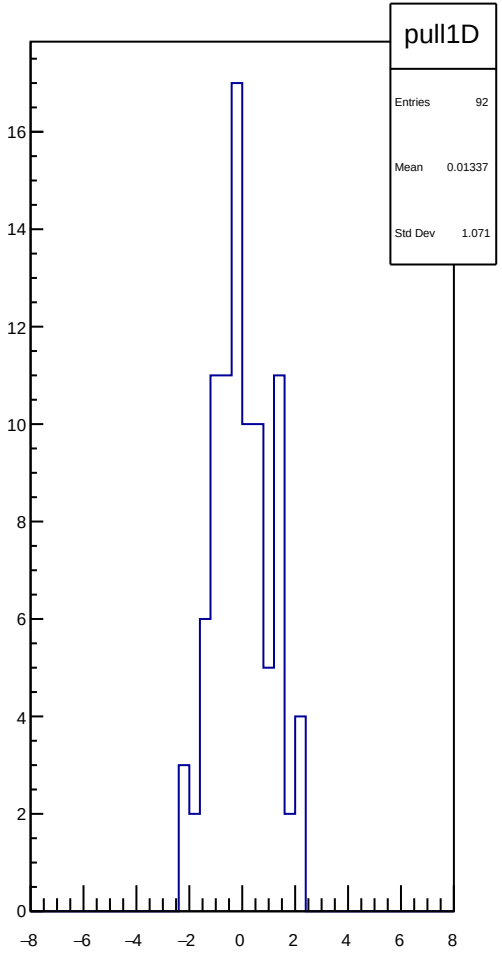

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2461 / 91
p0 0.002583 ± 1.969e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

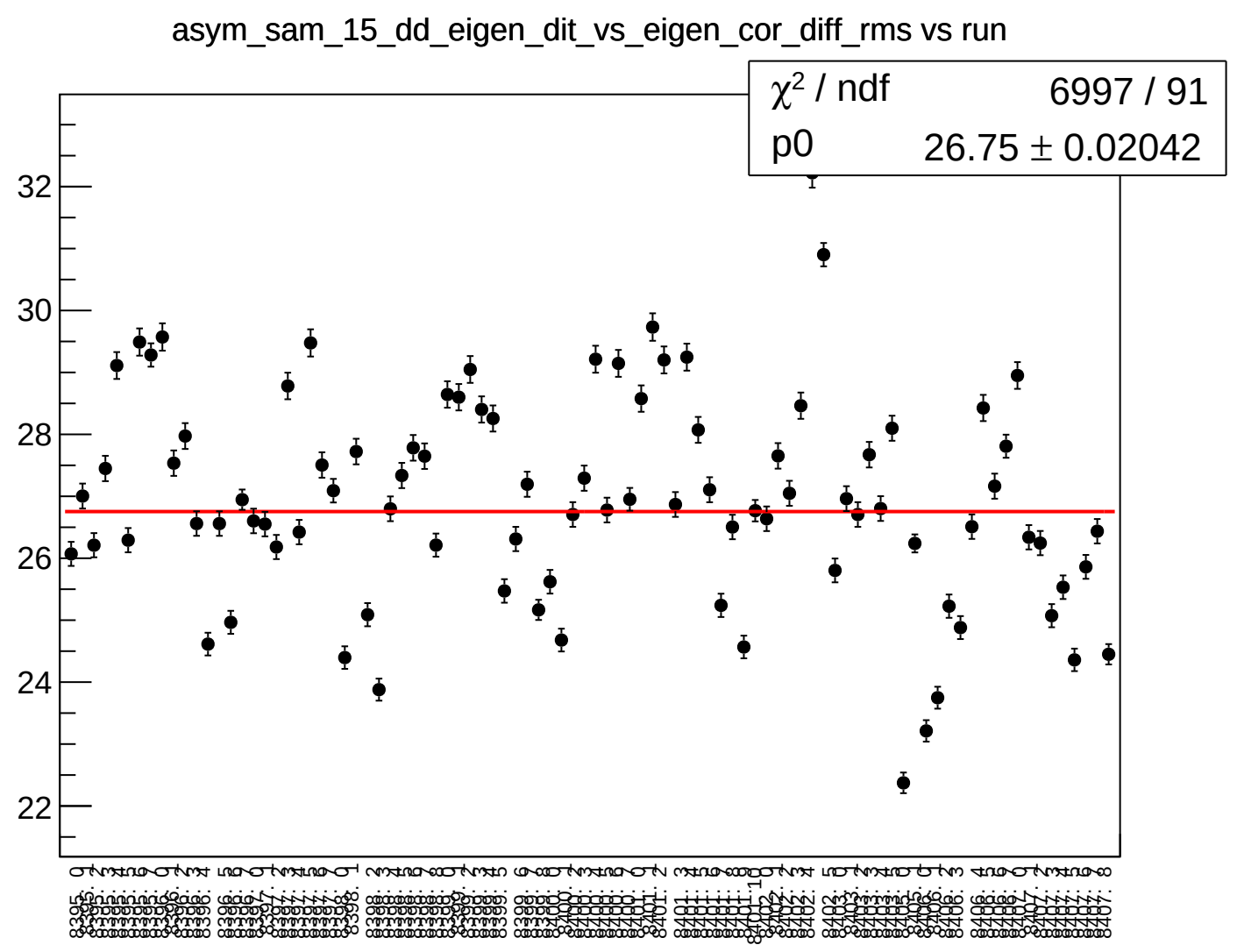

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 105.6 / 91
p0 0.04653 ± 0.02888
pull
Entries 92
Mean −251.5
Std Dev 0

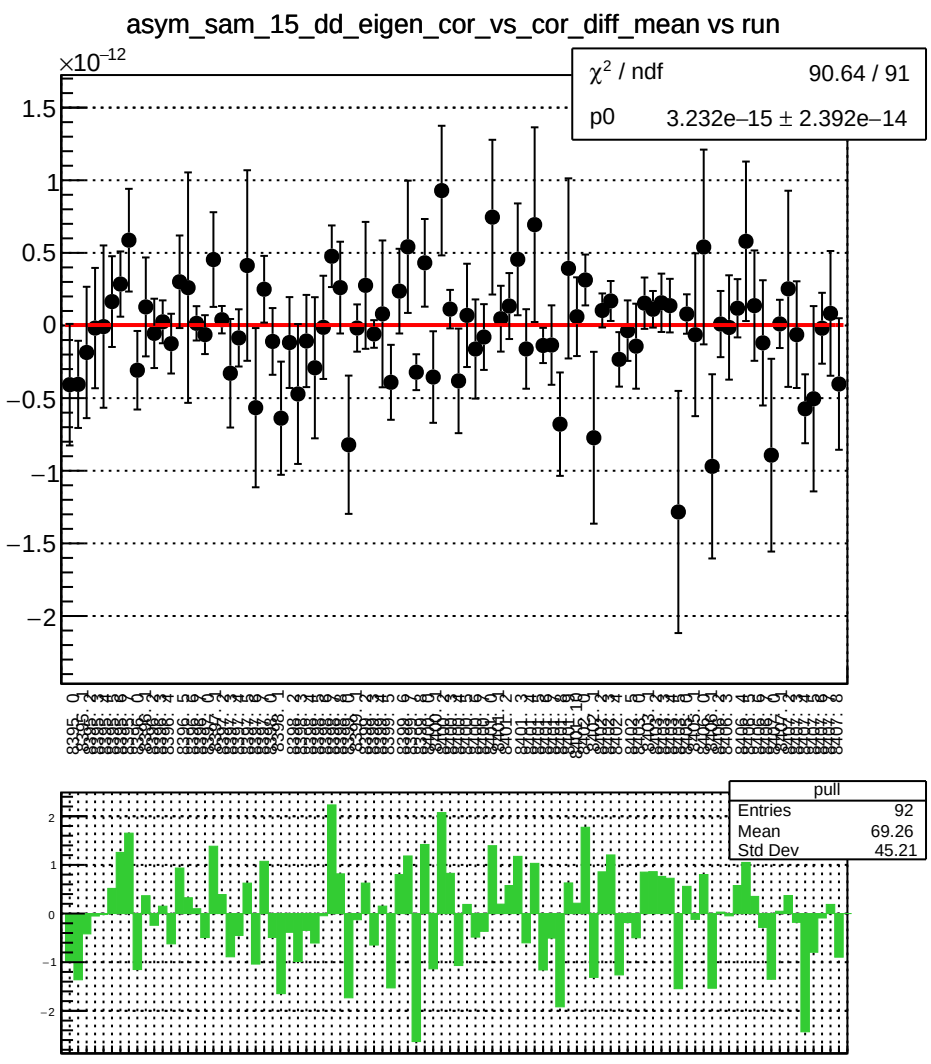

pull1D
Entries 92
Mean 0.01337
Std Dev 1.071

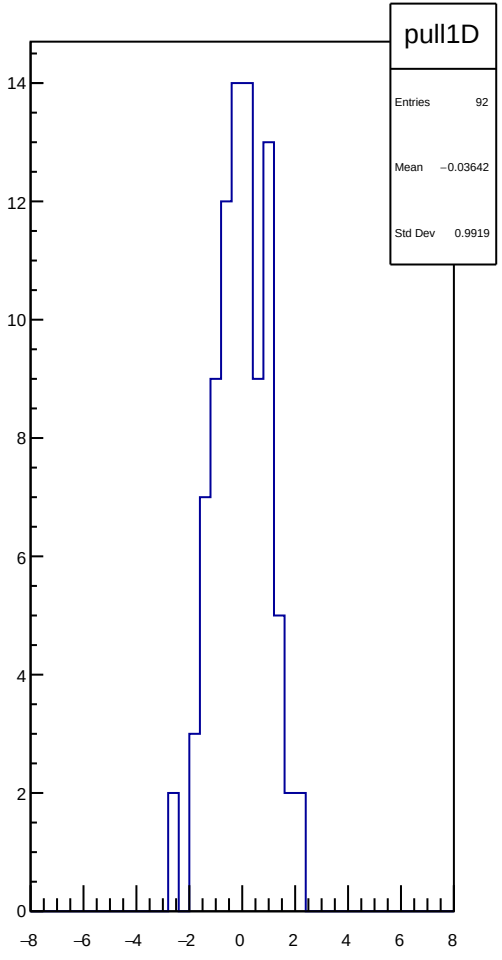

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6997 / 91
p0 26.75 ± 0.02042
32
30
28
26
24
22

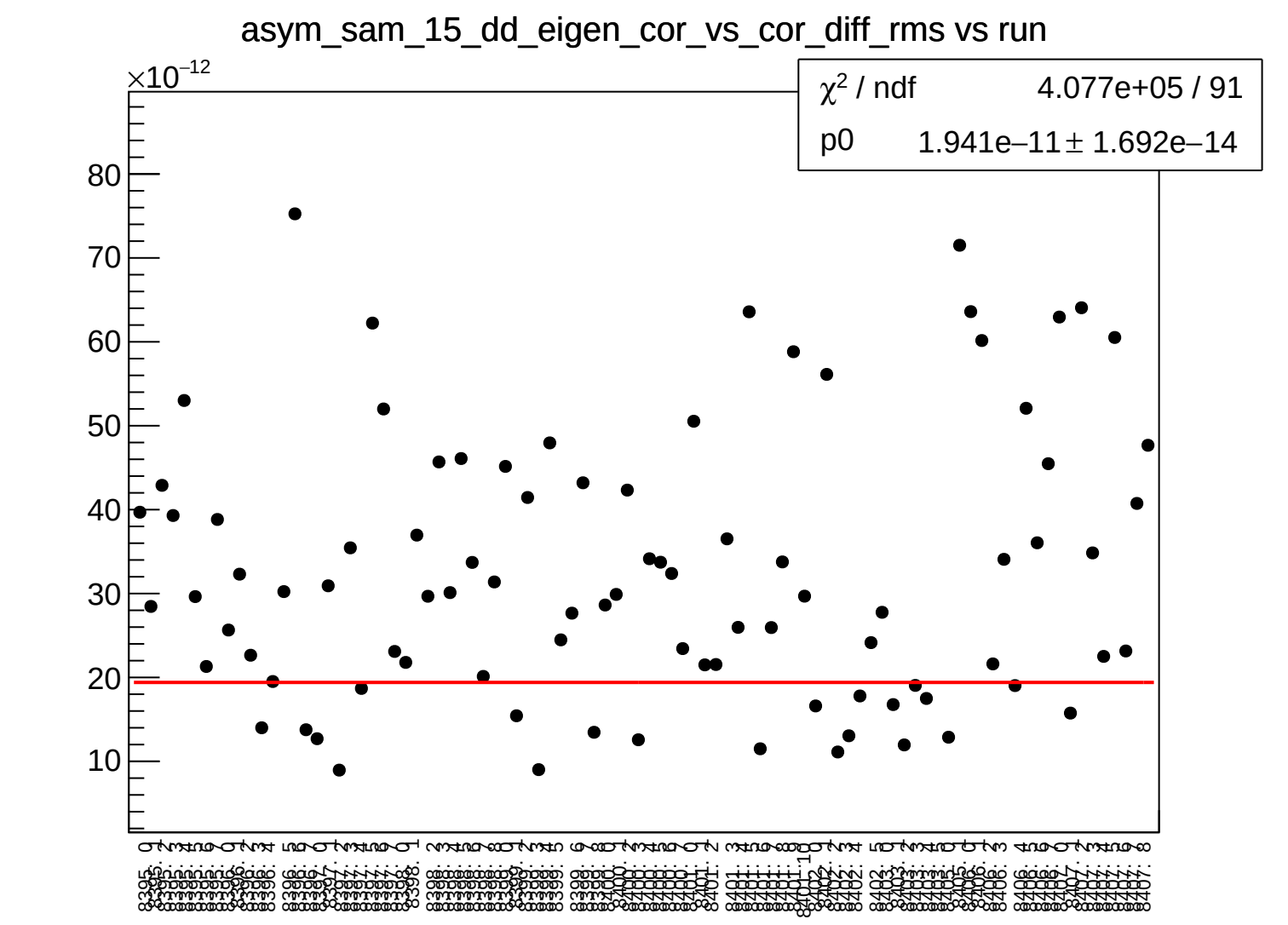

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.6 / 91
p0 0.04653 ± 0.02888
pull
Entries 92
Mean −251.5
Std Dev 0

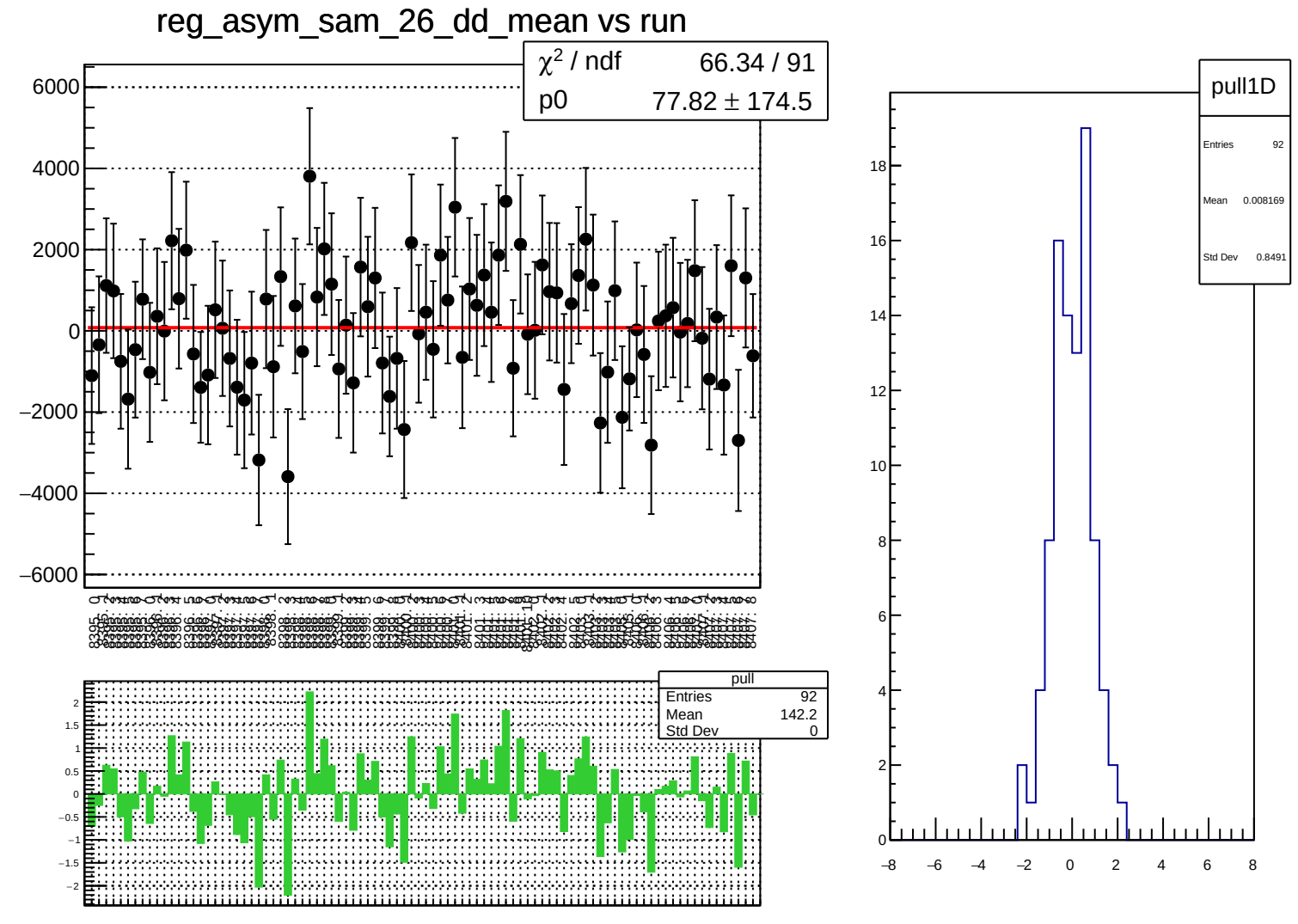

pull1D
Entries 92
Mean 0.01337
Std Dev 1.071

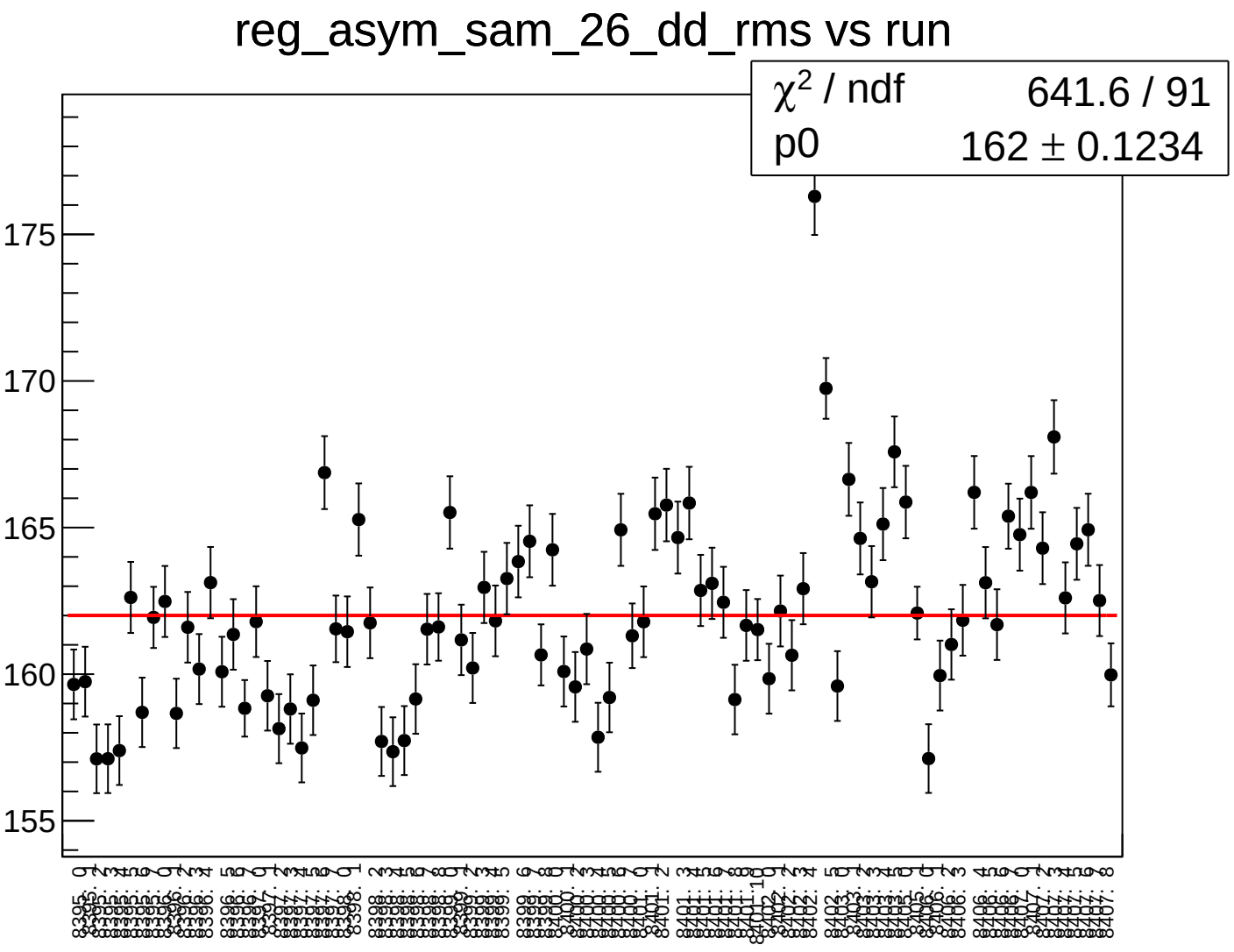

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6997 / 91
p0 26.75 ± 0.02042
32
30
28
26
24
22

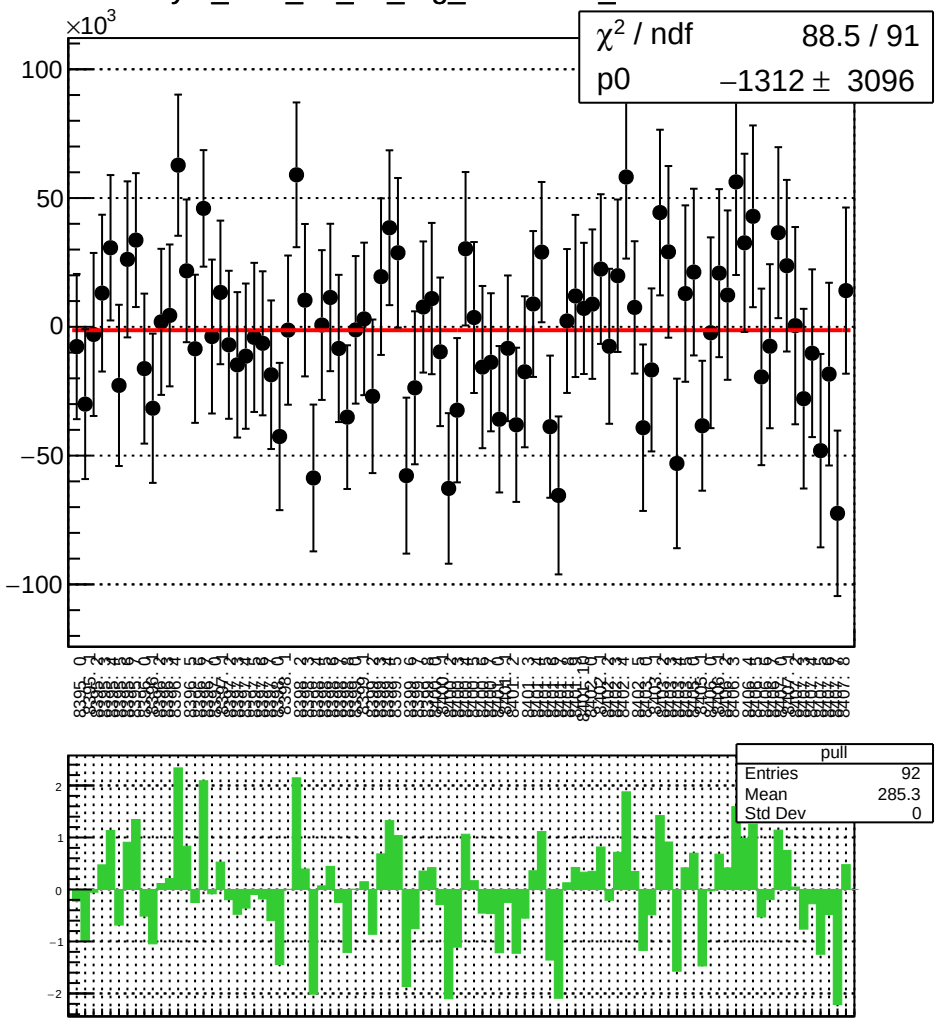

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.64 / 91
p0 3.232e−15 ± 2.392e−14
pull
Entries 92
Mean 69.26
Std Dev 45.21

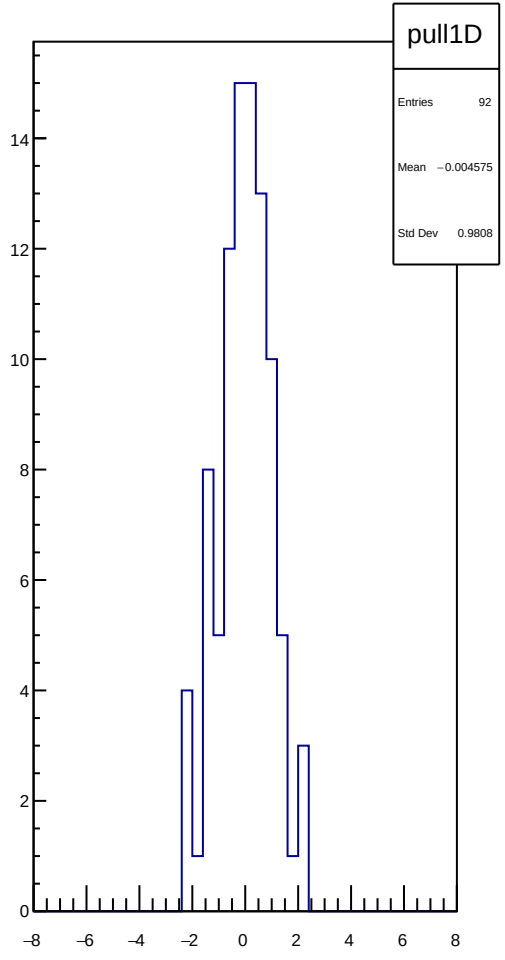

pull1D
Entries 92
Mean −0.03642
Std Dev 0.9919

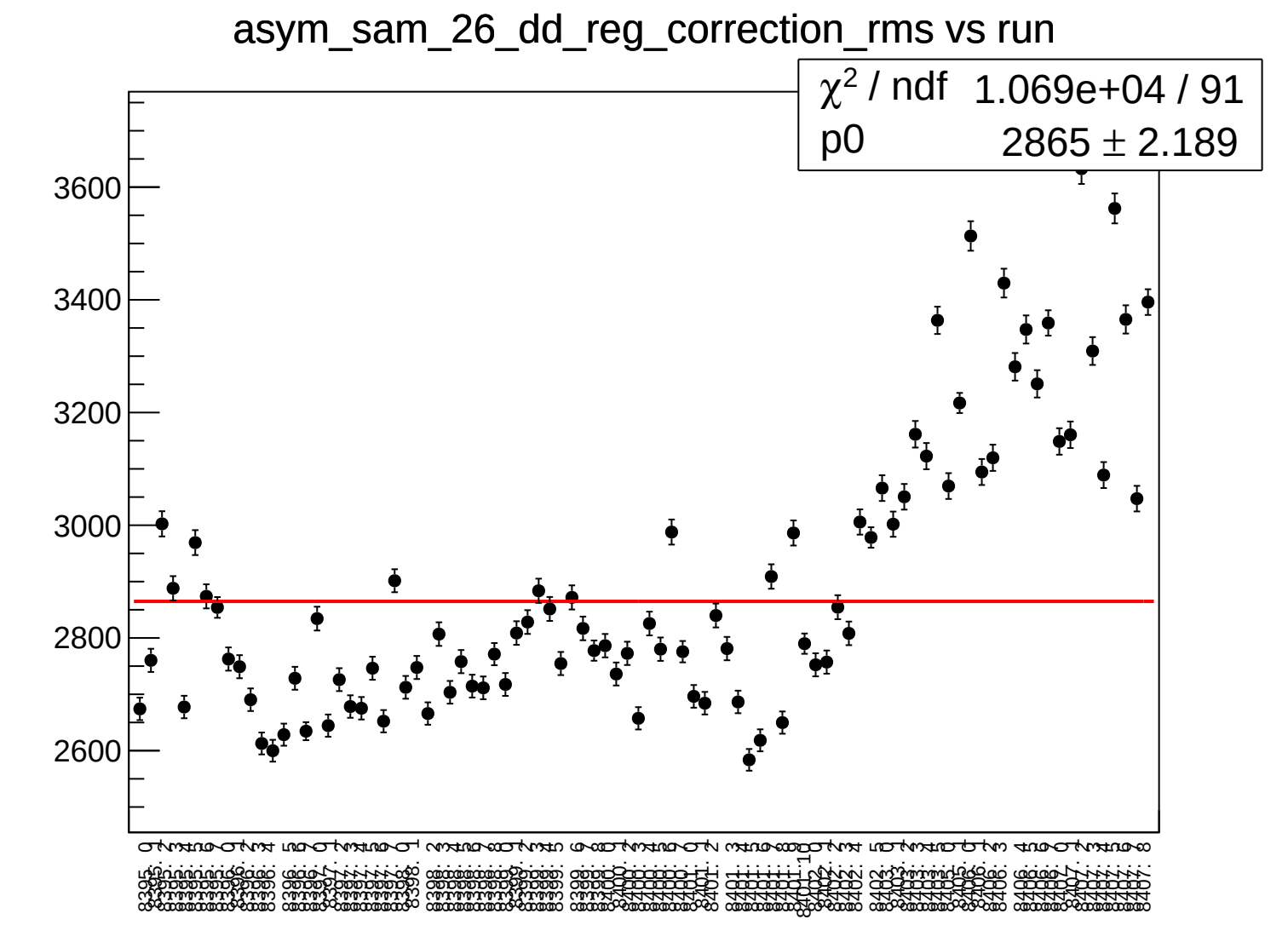

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.077e+05 / 91
p0 1.941e−11 ± 1.692e−14
80
70
60
50
40
30
20
10

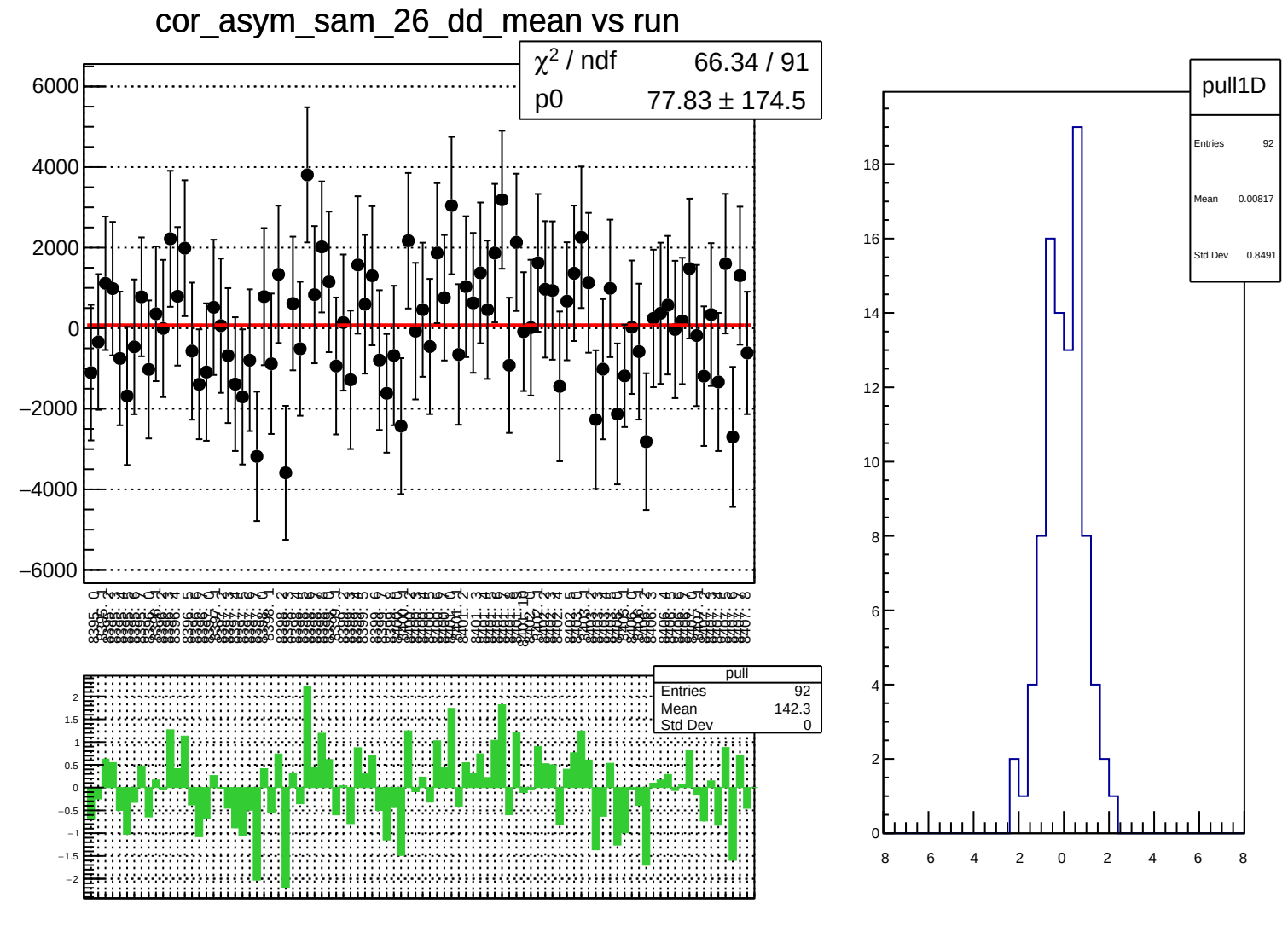

reg_asym_sam_26_dd_mean vs run
χ² / ndf 66.34 / 91
p0 77.82 ± 174.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 142.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.008169
Std Dev 0.8491
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

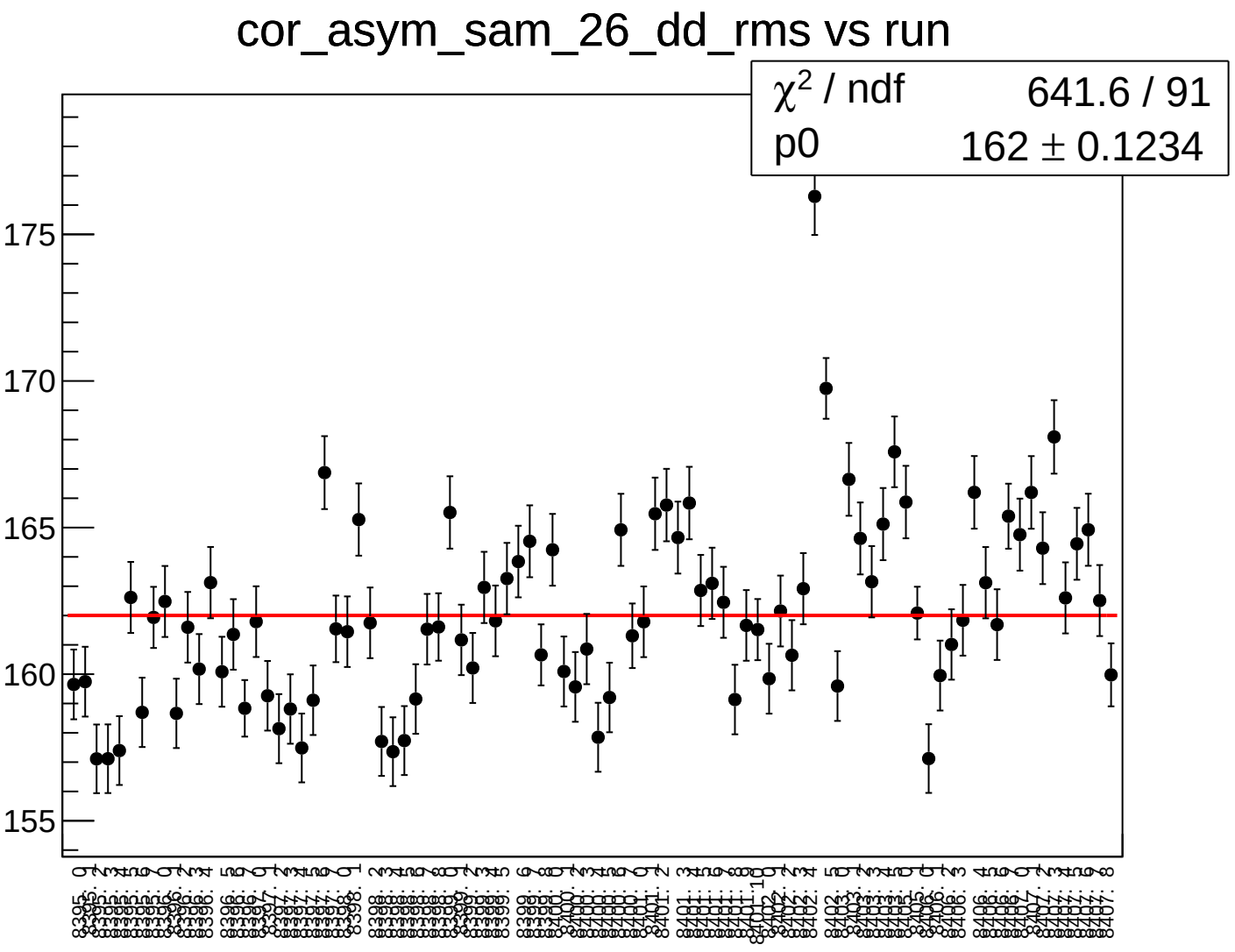

reg_asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 641.6 / 91
p0 162 ± 0.1234
175
170
165
160
155

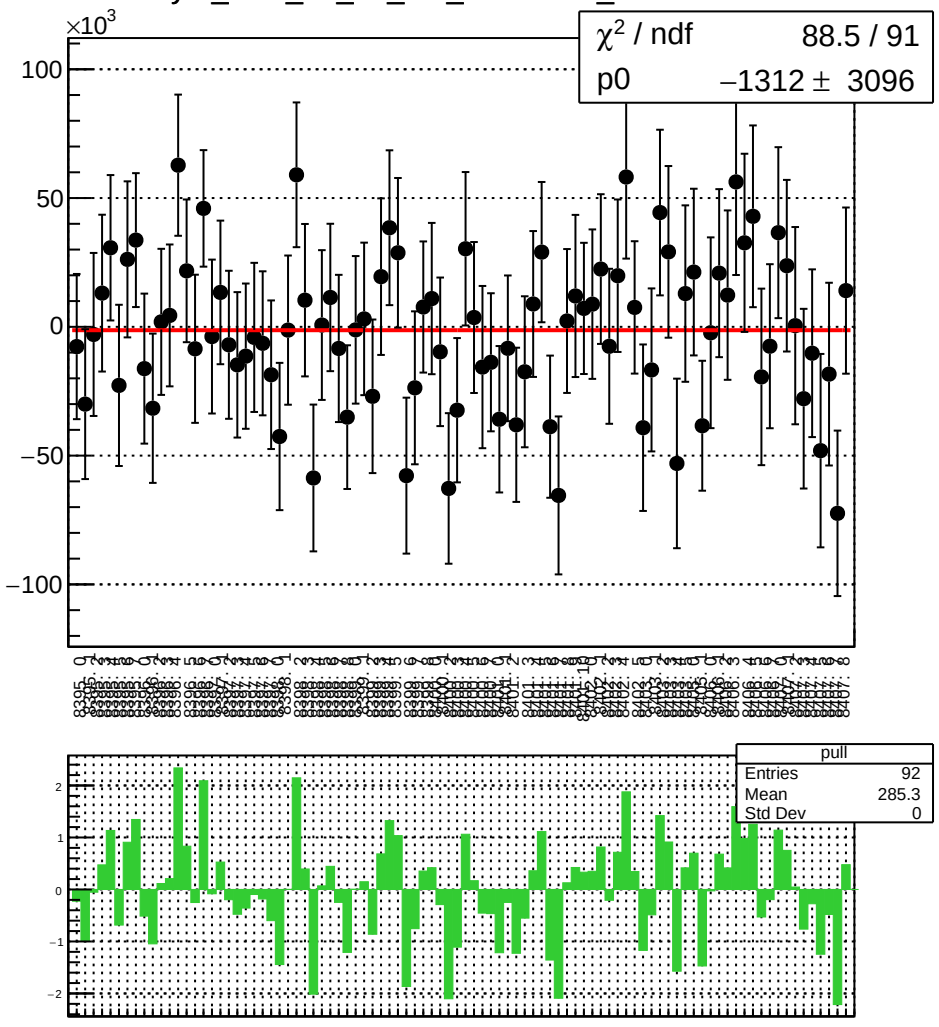

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 88.5 / 91
p0 −1312 ± 3096
100
50
0
−50
−100
pull
Entries 92
Mean 285.3
Std Dev 0
2
1
0
−1
−2

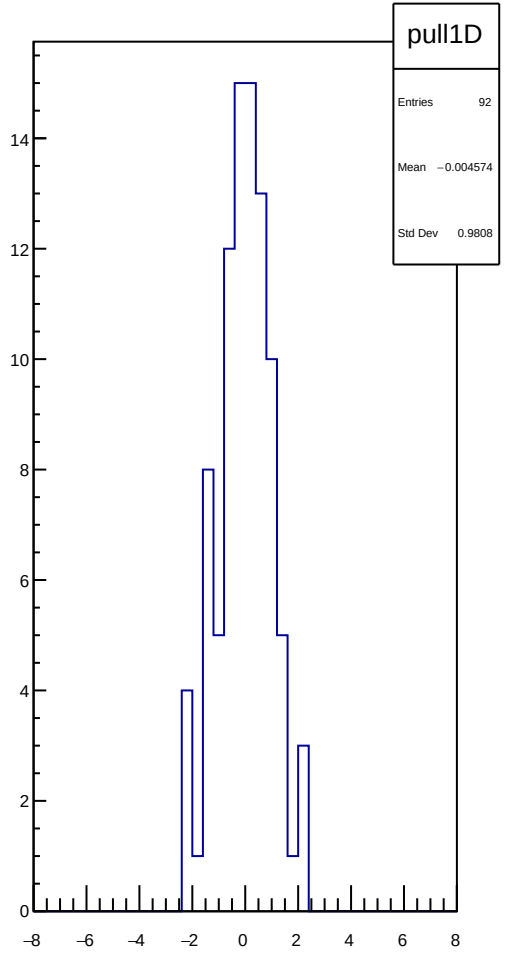

pull1D
Entries 92
Mean −0.004575
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

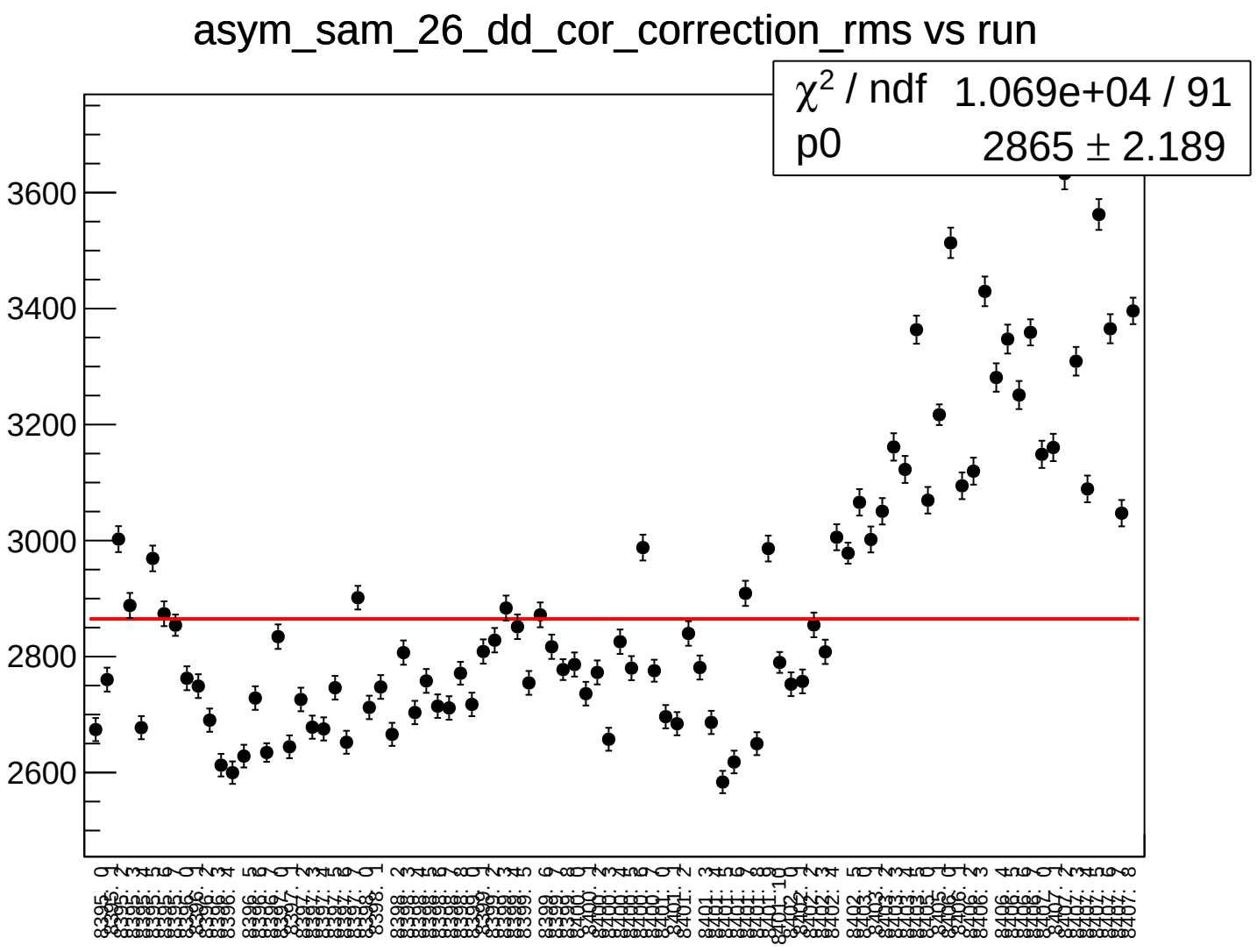

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 1.069e+04 / 91
p0 2865 ± 2.189
3600
3400
3200
3000
2800
2600

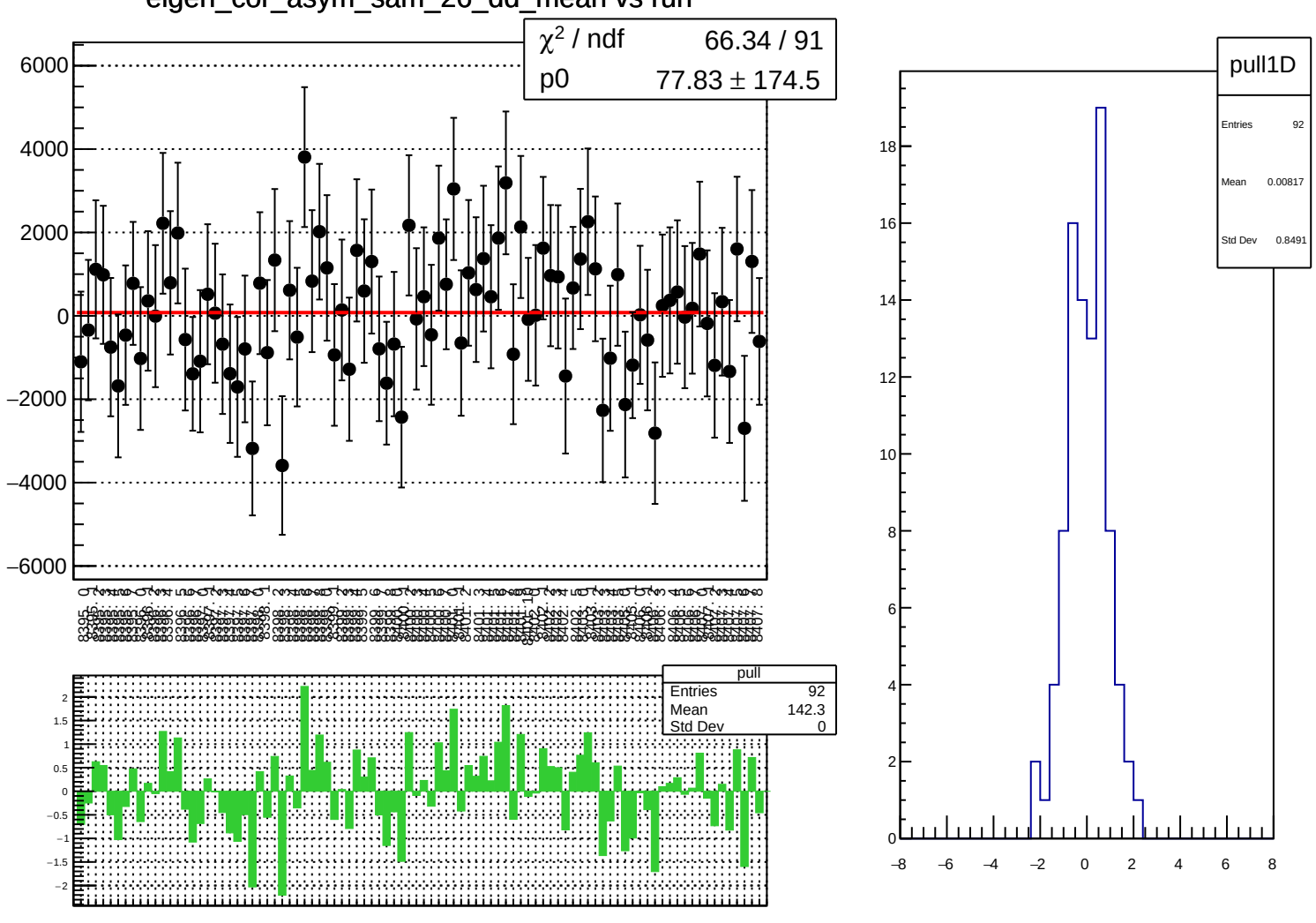

cor_asym_sam_26_dd_mean vs run
χ² / ndf 66.34 / 91
p0 77.83 ± 174.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 142.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.00817
Std Dev 0.8491
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

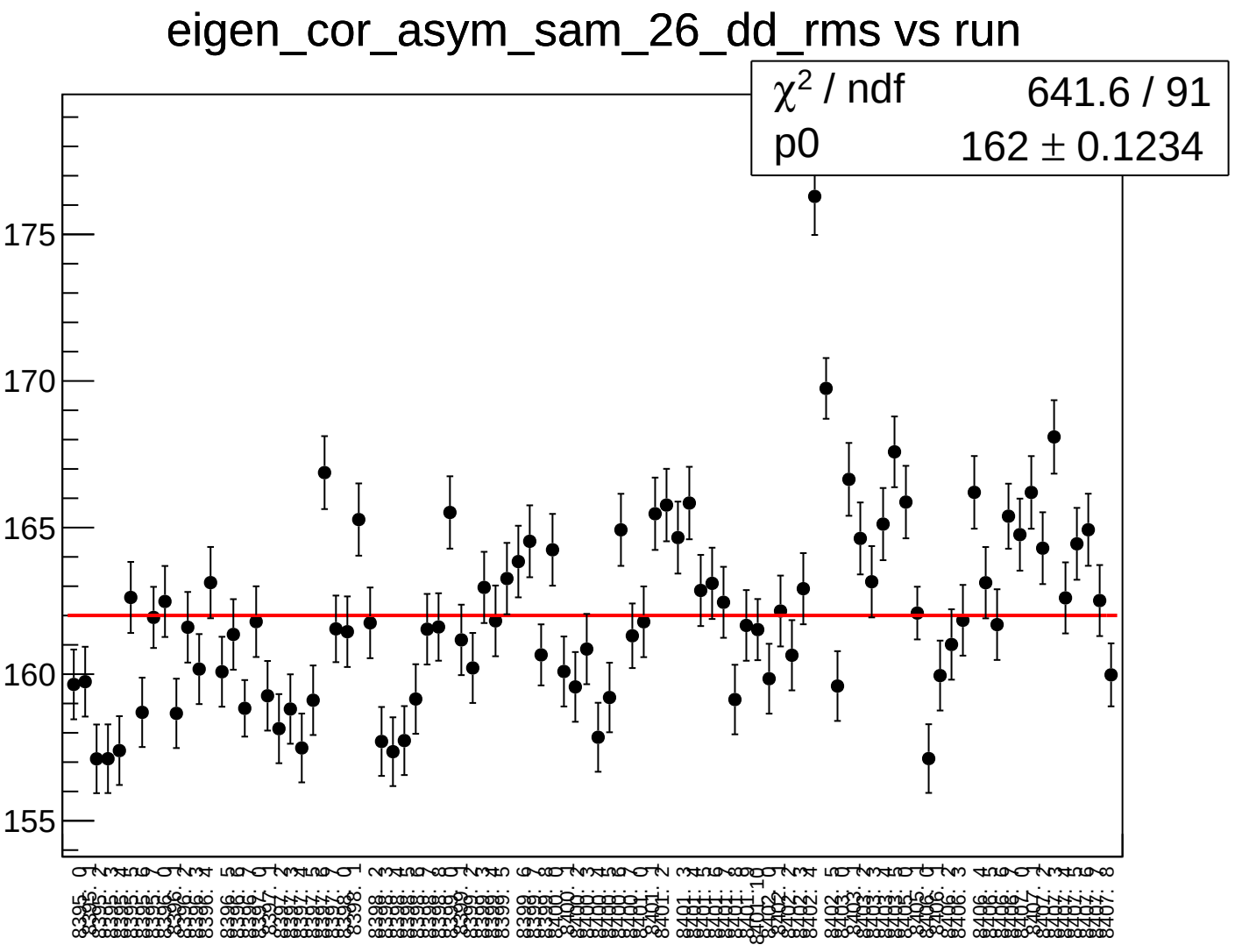

cor_asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 641.6 / 91
p0 162 ± 0.1234
175
170
165
160
155

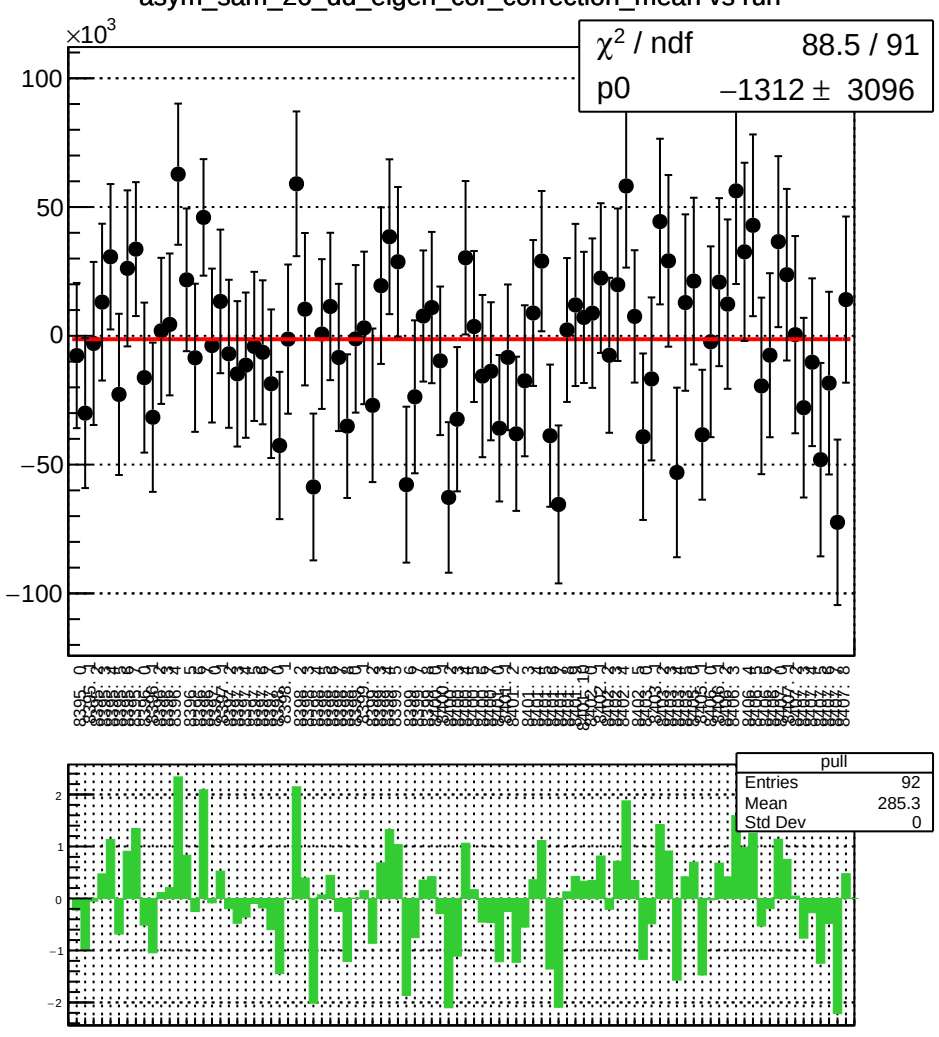

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 88.5 / 91
p0 −1312 ± 3096
100
50
0
−50
−100
pull
Entries 92
Mean 285.3
Std Dev 0
2
1
0
−1
−2

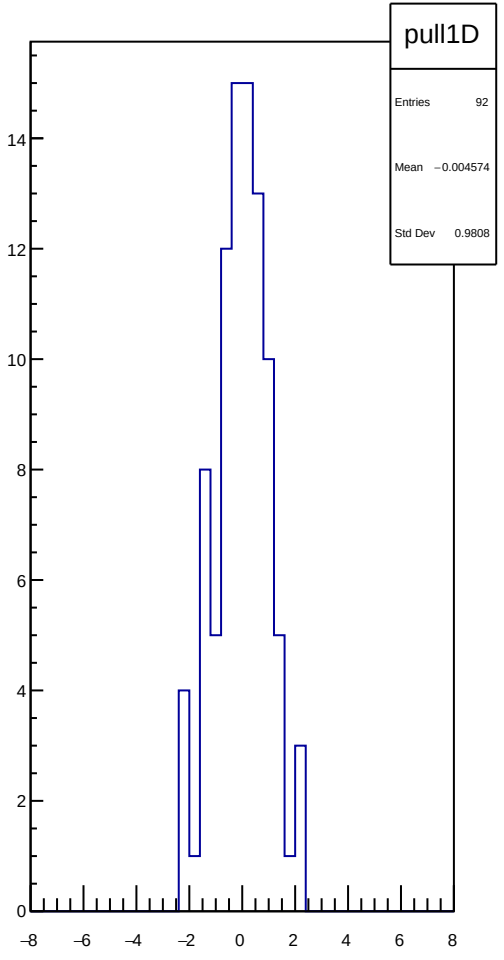

pull1D
Entries 92
Mean −0.004574
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

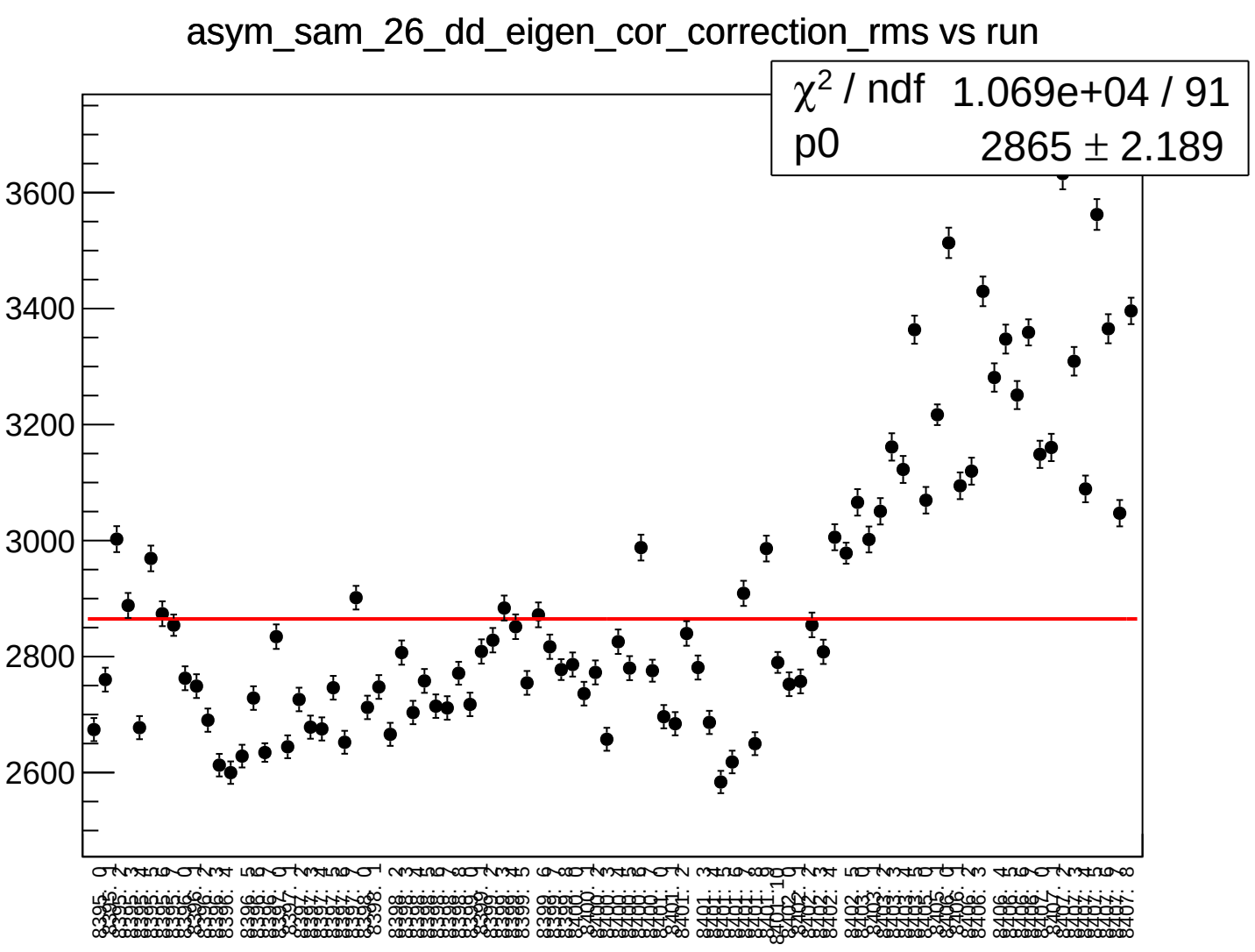

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 1.069e+04 / 91
p0 2865 ± 2.189
3600
3400
3200
3000
2800
2600

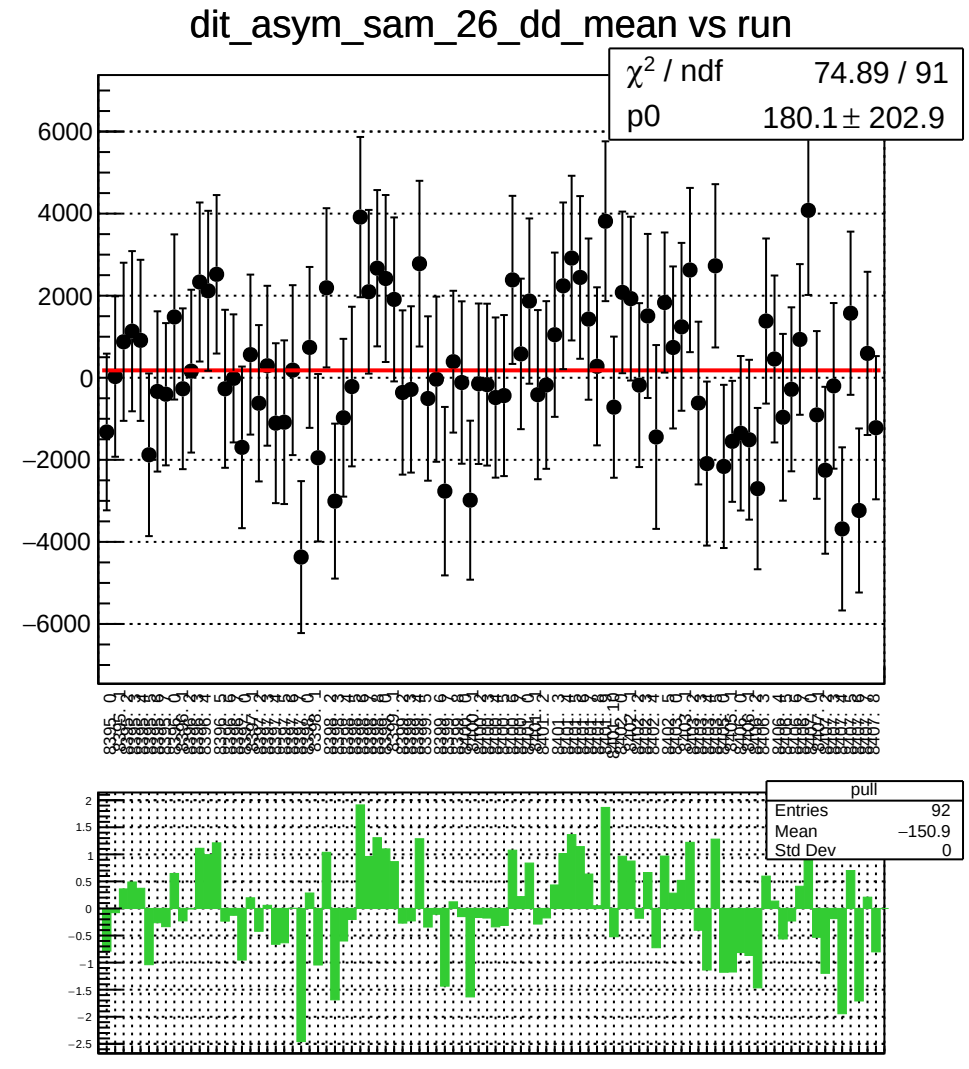

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 66.34 / 91
p0 77.83 ± 174.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean 142.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.00817
Std Dev 0.8491
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

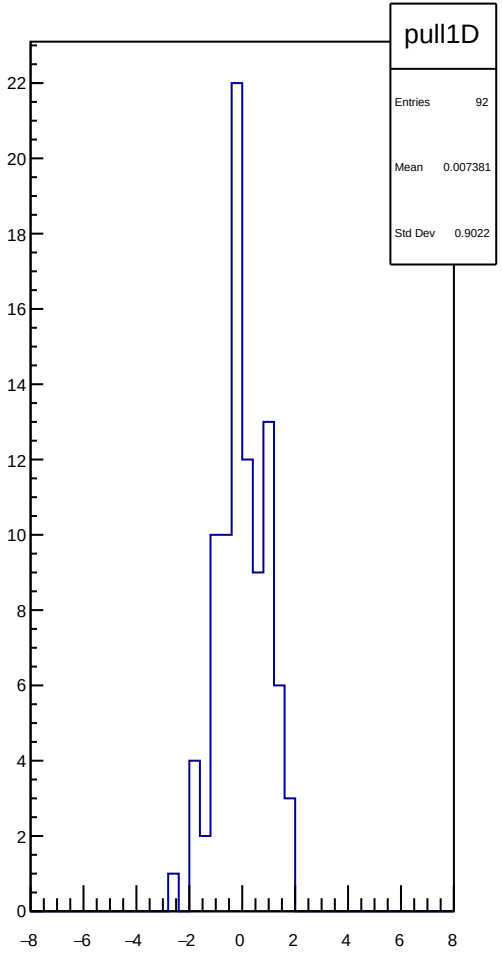

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 641.6 / 91
p0 162 ± 0.1234
175
170
165
160
155

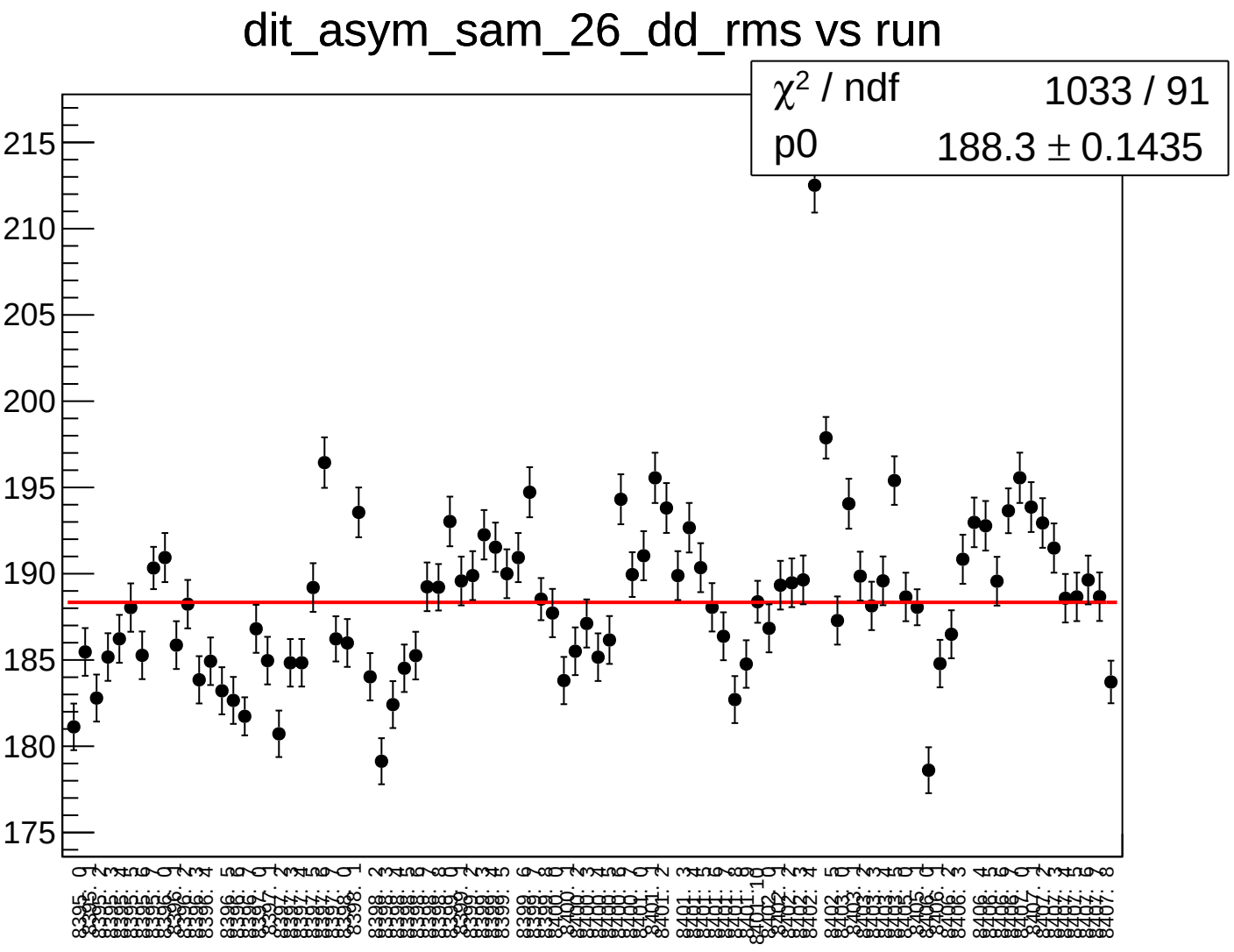

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 88.5 / 91
p0 −1312 ± 3096
100
50
0
−50
−100
pull
Entries 92
Mean 285.3
Std Dev 0
2
1
0
−1
−2

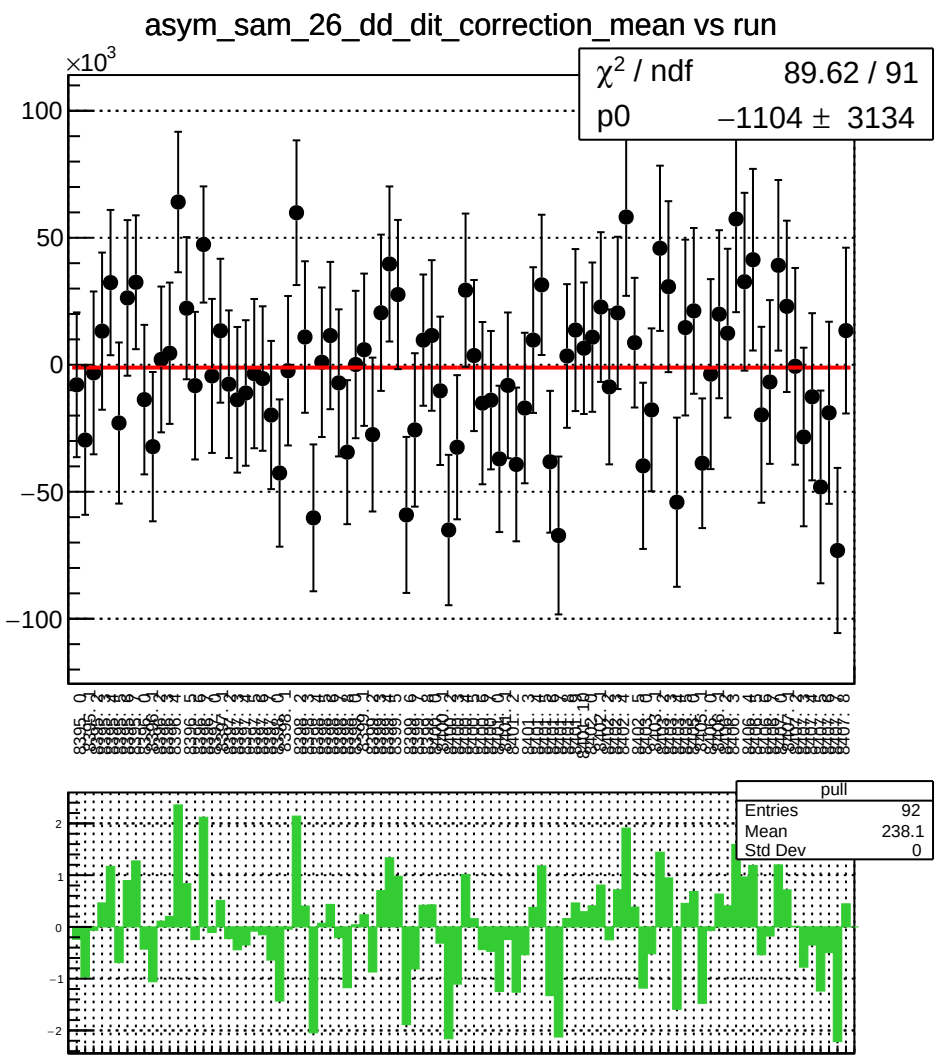

pull1D
Entries 92
Mean −0.004574
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

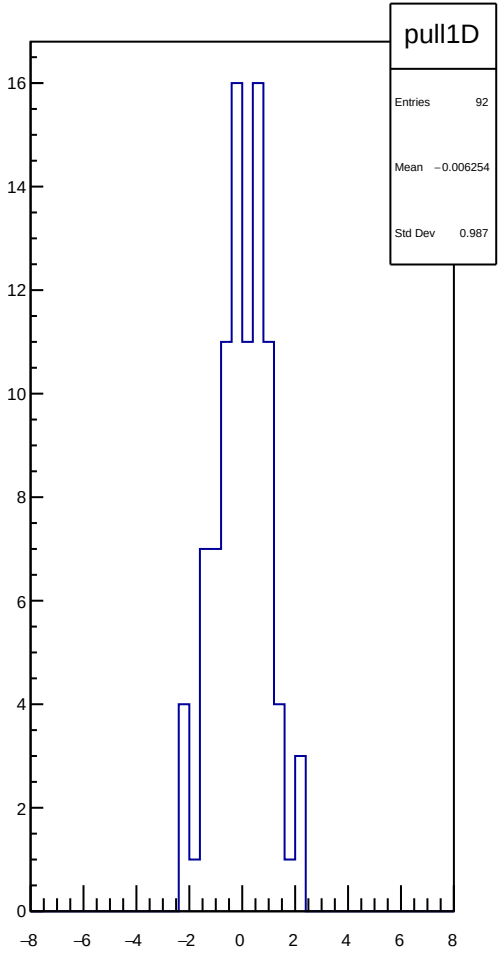

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.069e+04 / 91
p0 2865 ± 2.189
3600
3400
3200
3000
2800
2600

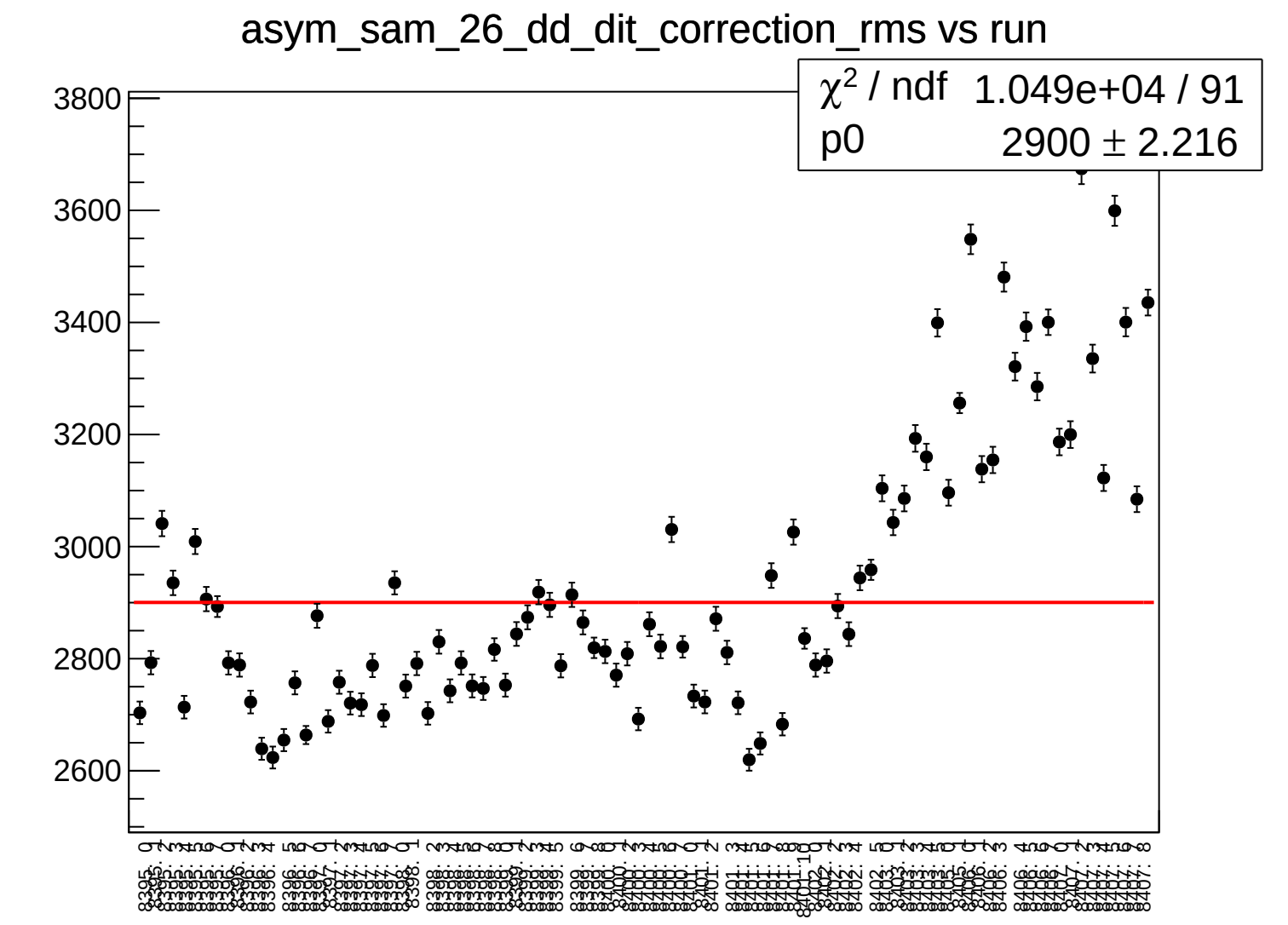

dit_asym_sam_26_dd_mean vs run
χ² / ndf 74.89 / 91
p0 180.1 ± 202.9
pull
Entries 92
Mean −150.9
Std Dev 0

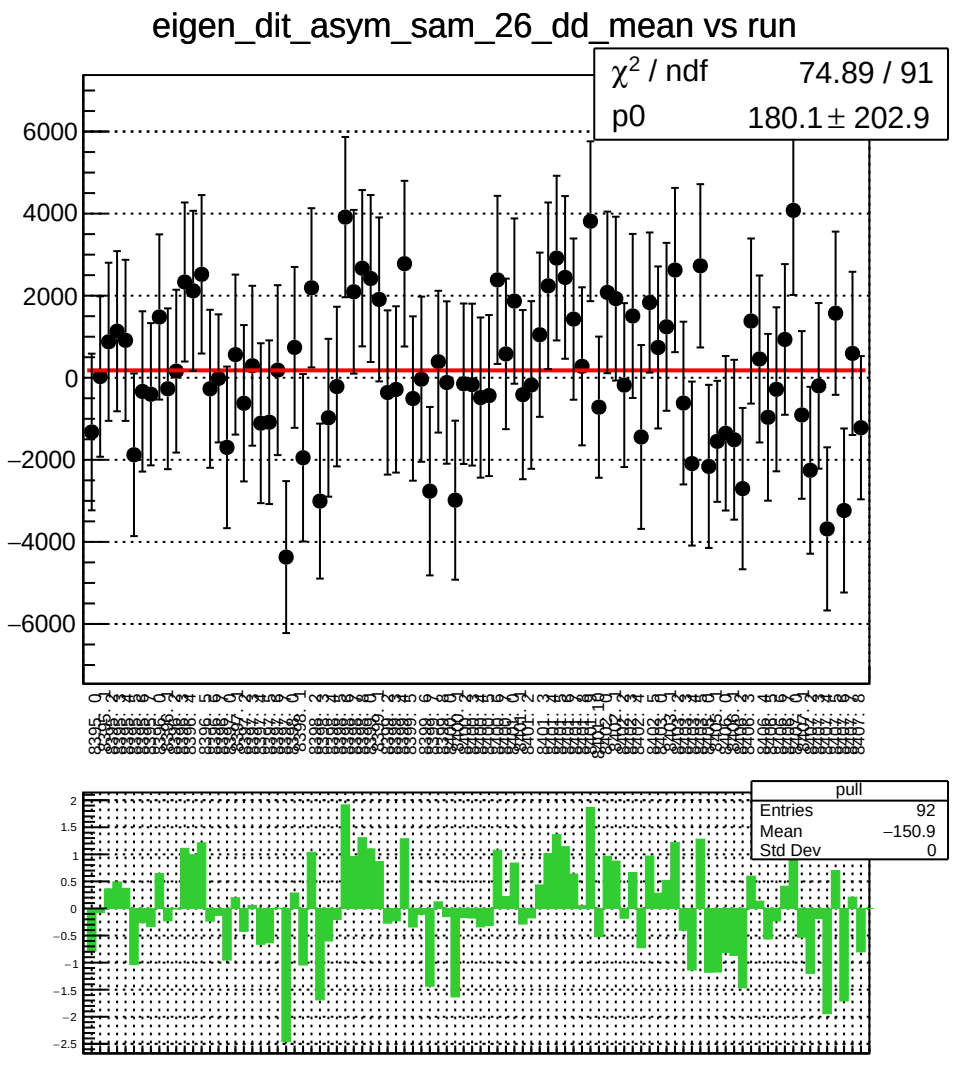

pull1D
Entries 92
Mean 0.007381
Std Dev 0.9022

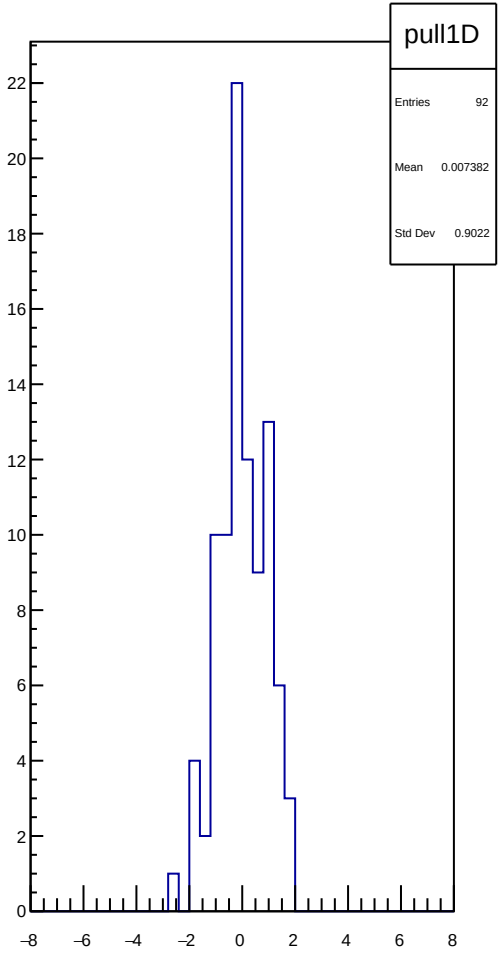

dit_asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 1033 / 91
p0 188.3 ± 0.1435
215
210
205
200
195
190
185
180
175

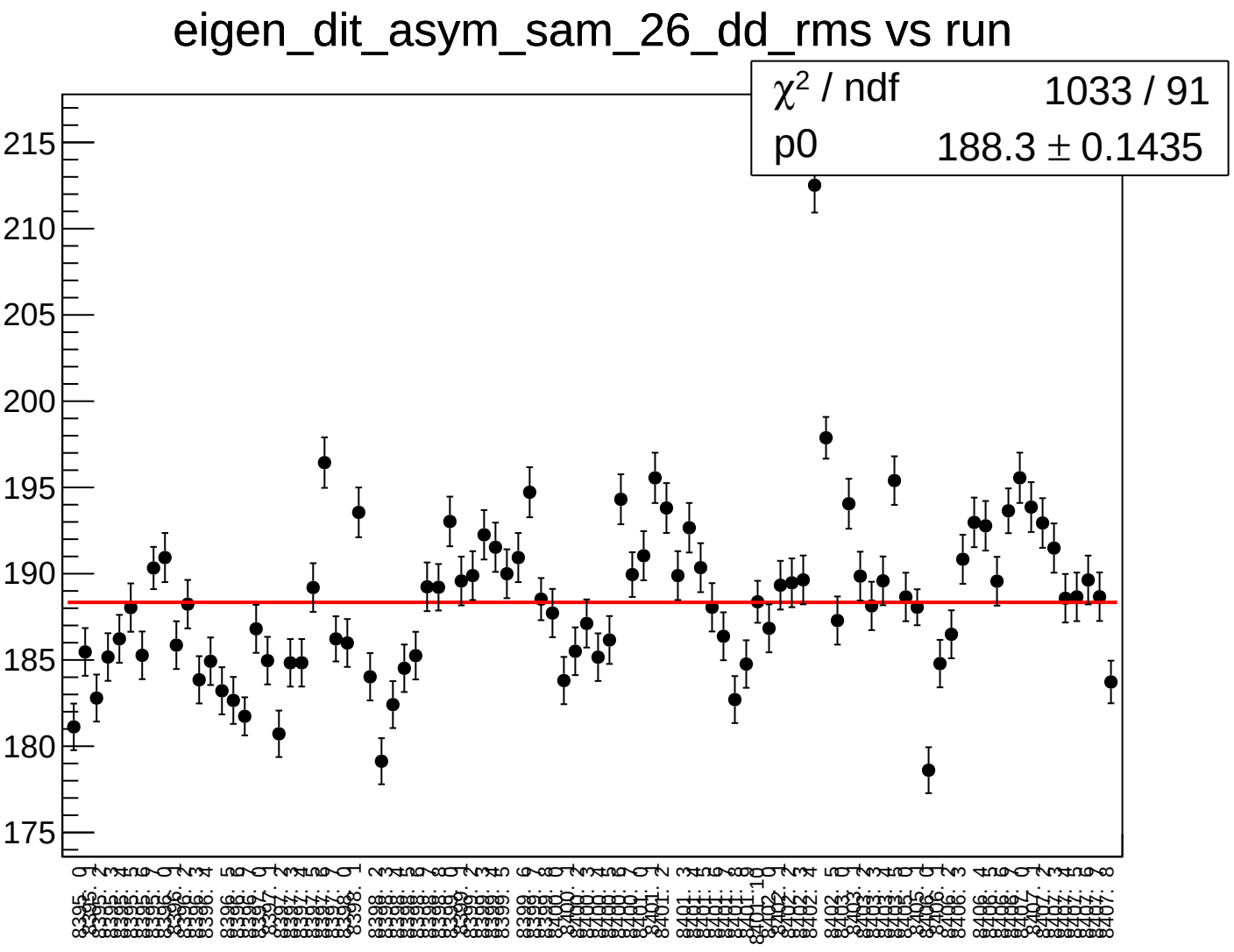

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 89.62 / 91
p0 −1104 ± 3134
100
50
0
−50
−100
pull
Entries 92
Mean 238.1
Std Dev 0
2
1
0
−1
−2

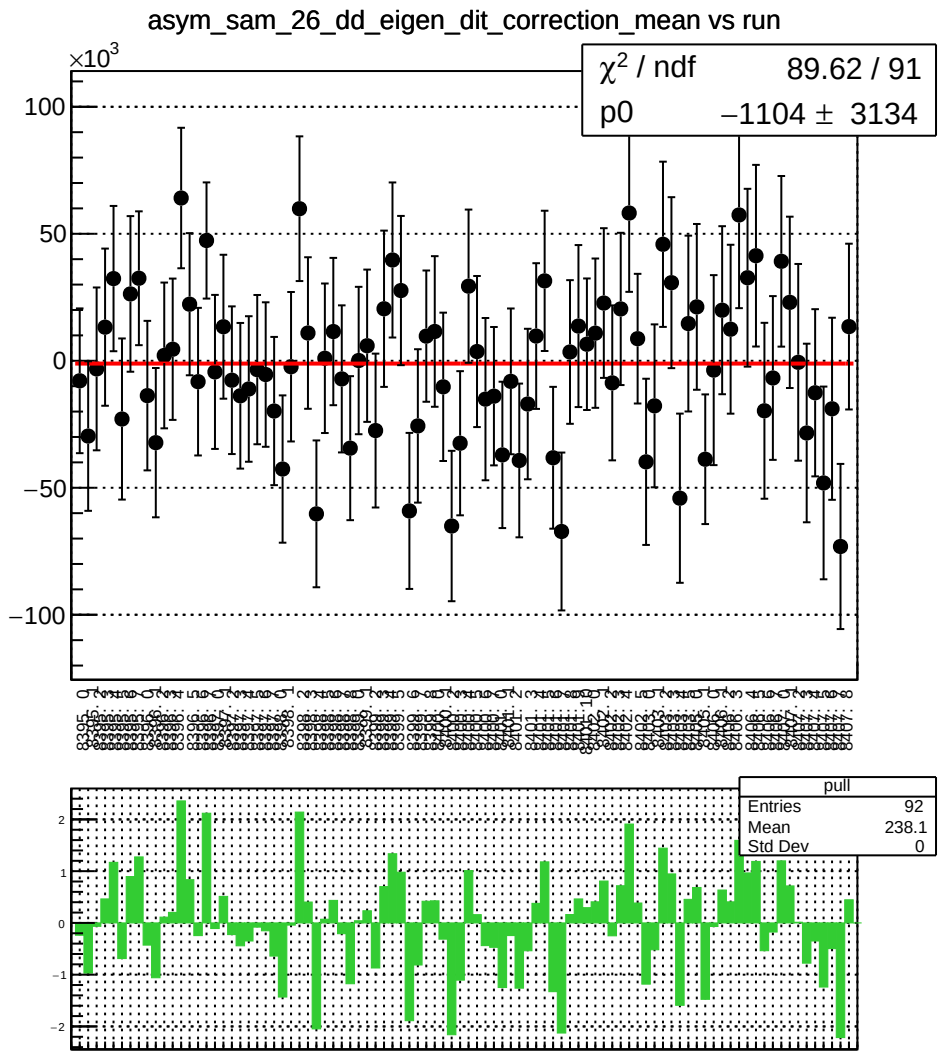

pull1D
Entries 92
Mean −0.006254
Std Dev 0.987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

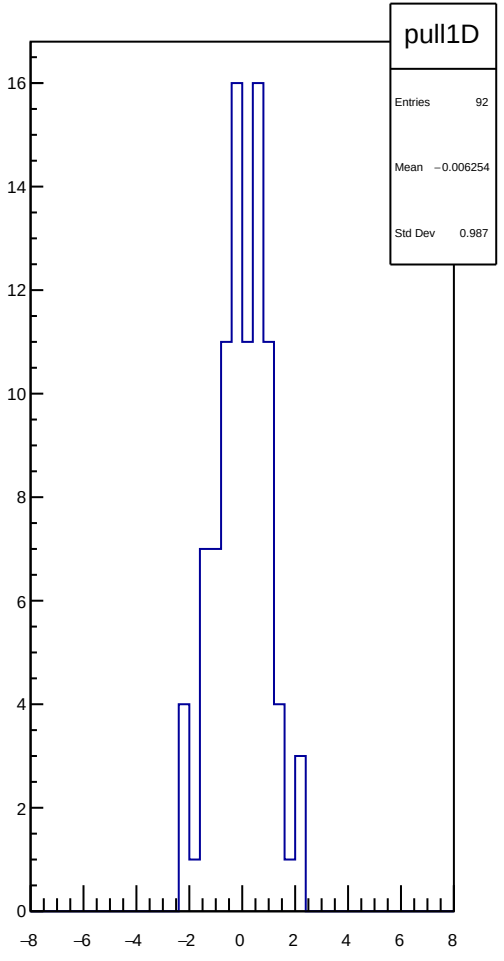

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 1.049e+04 / 91
p0 2900 ± 2.216
3800
3600
3400
3200
3000
2800
2600

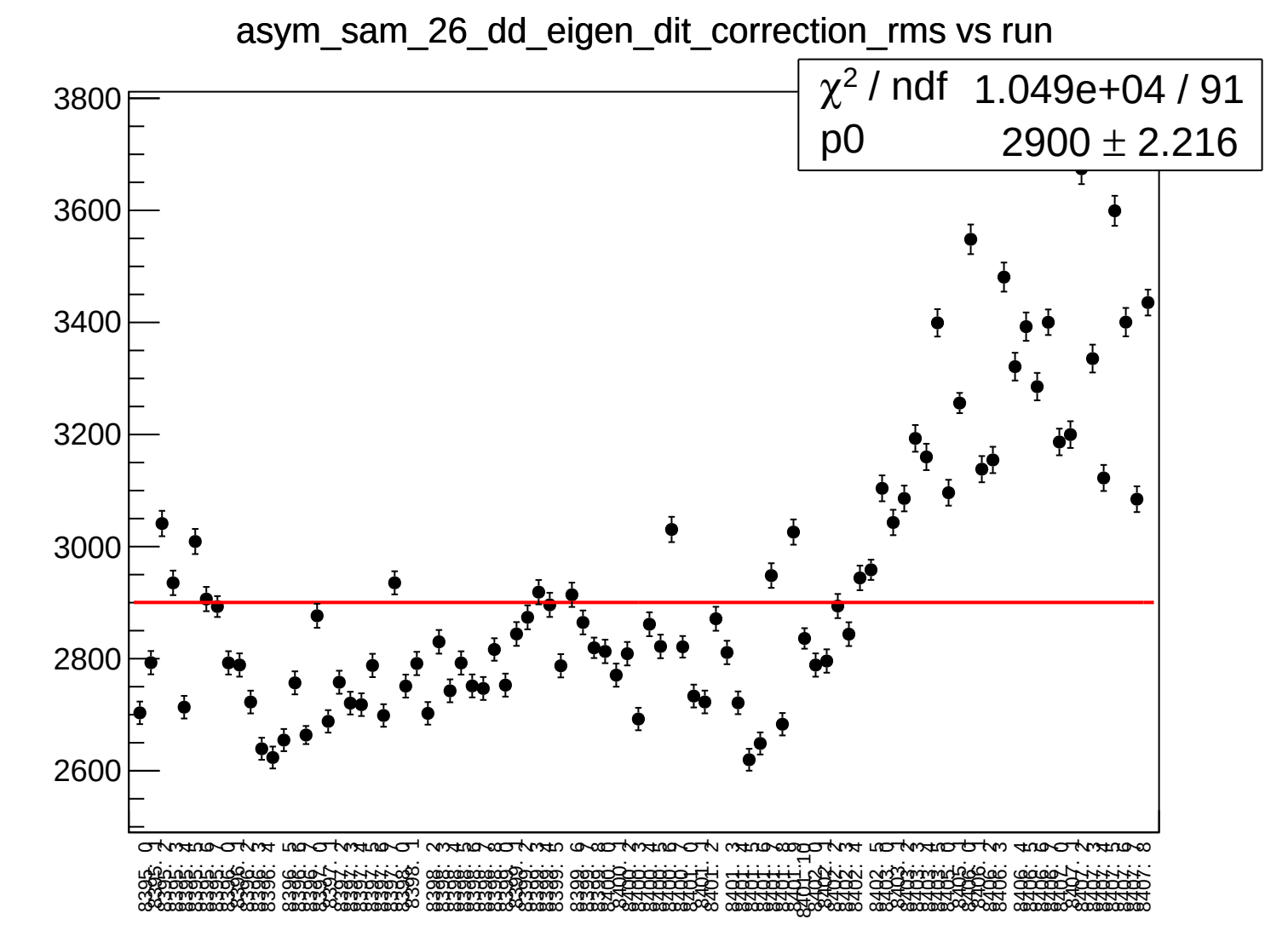

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 74.89 / 91
p0 180.1 ± 202.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −150.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

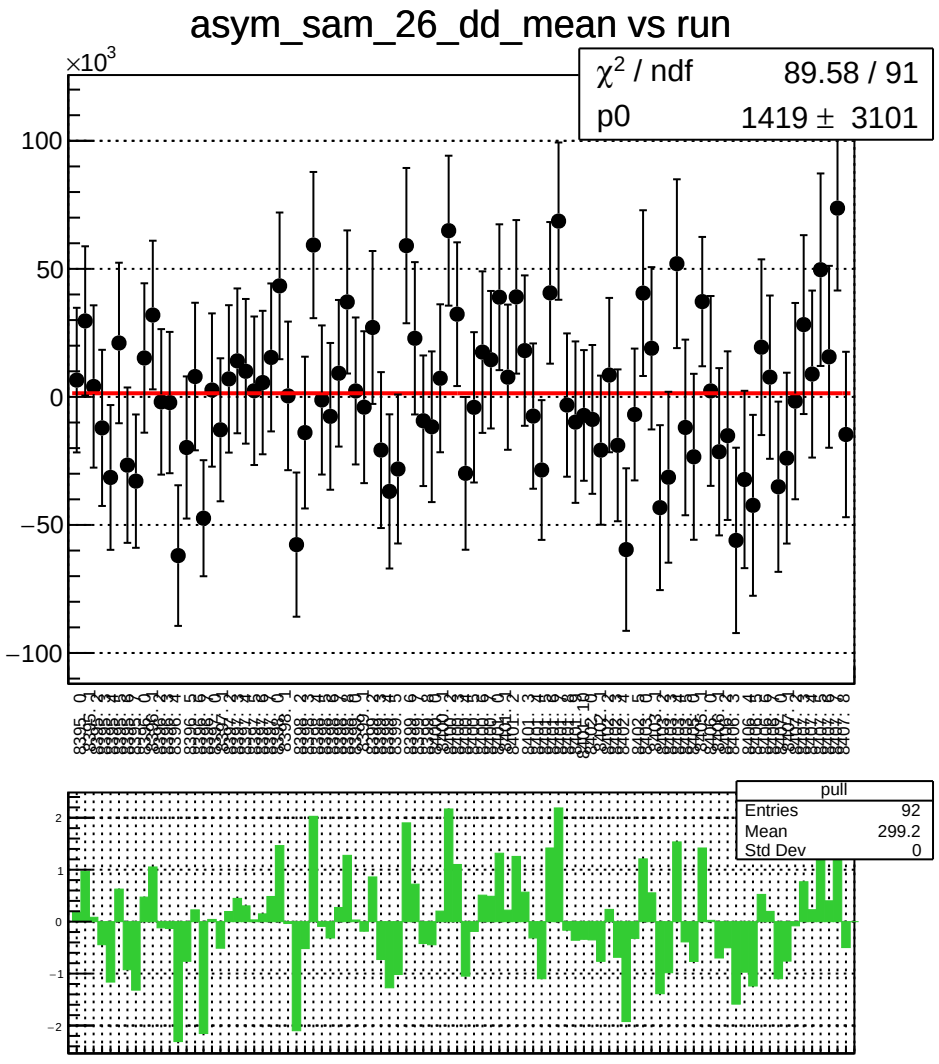

pull1D
Entries 92
Mean 0.007382
Std Dev 0.9022
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

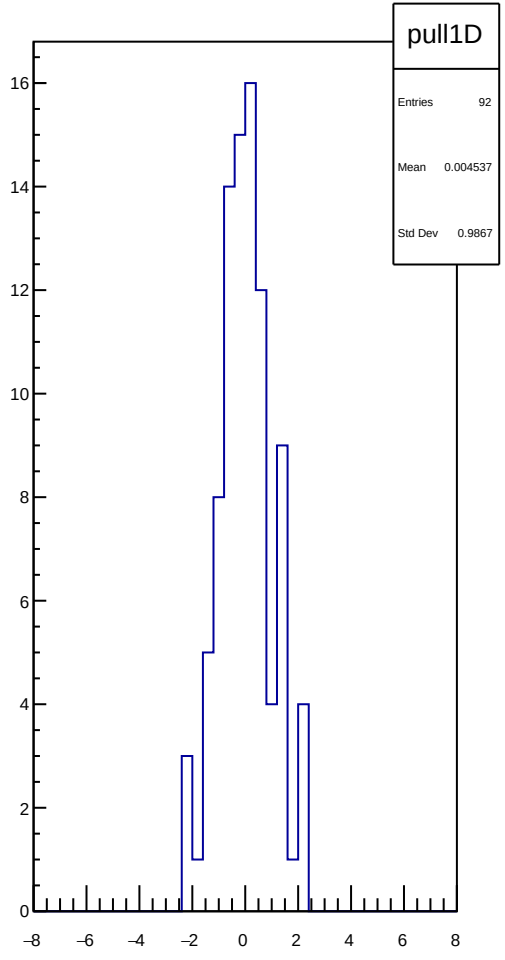

eigen_dit_asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 1033 / 91
p0 188.3 ± 0.1435
215
210
205
200
195
190
185
180
175

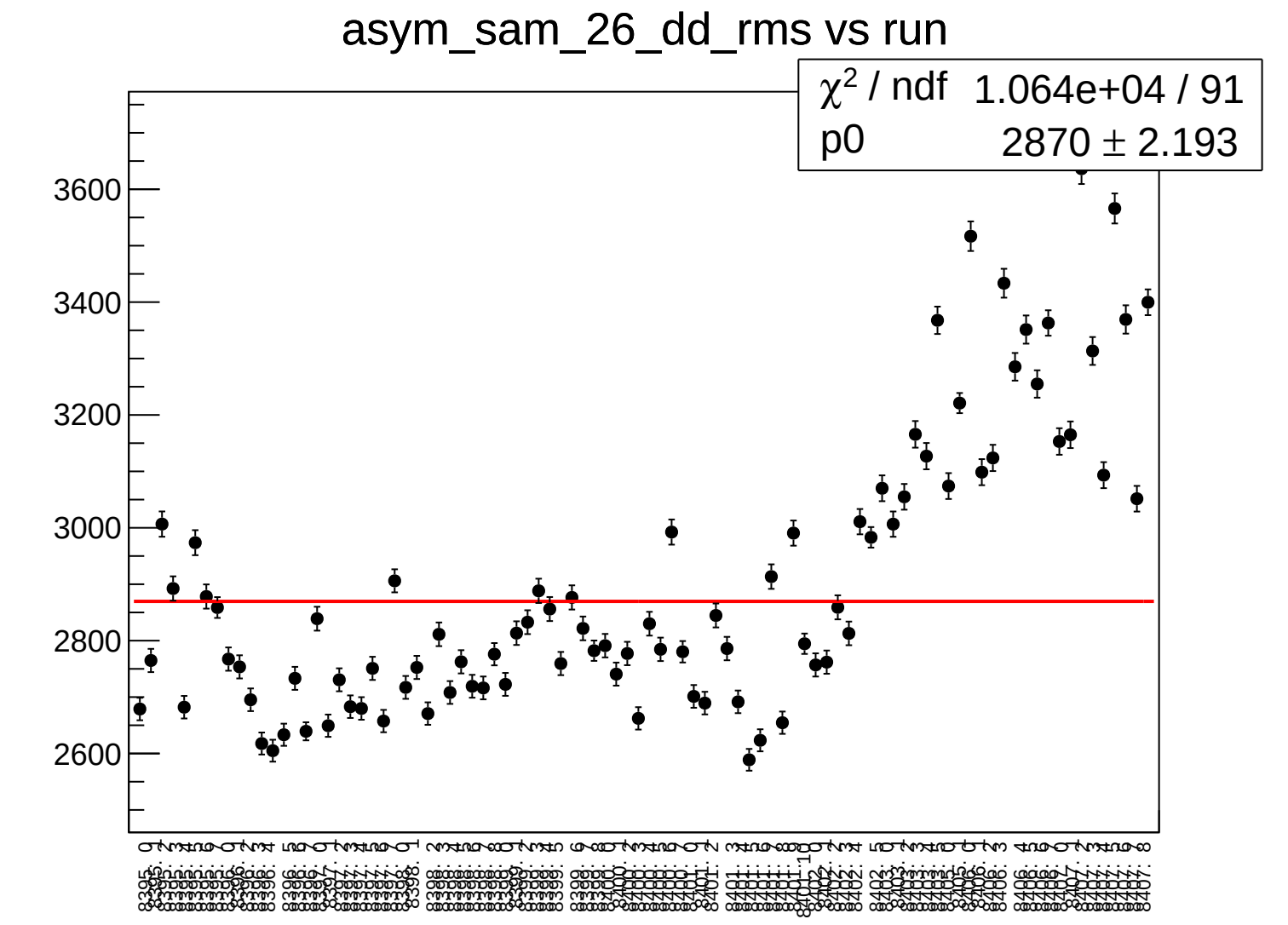

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 89.62 / 91
p0 −1104 ± 3134
100
50
0
−50
−100
pull
Entries 92
Mean 238.1
Std Dev 0
2
1
0
−1
−2

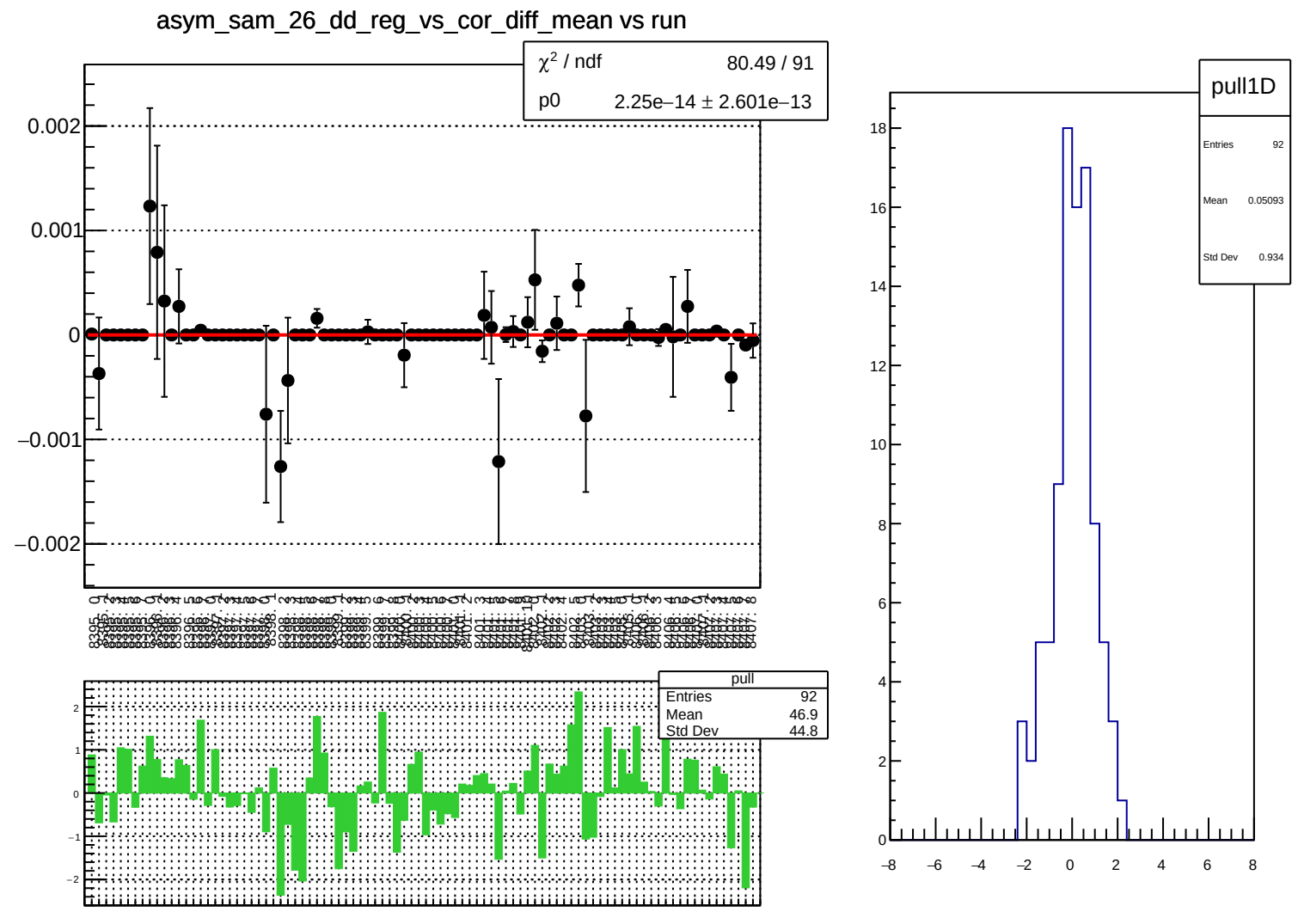

pull1D
Entries 92
Mean −0.006254
Std Dev 0.987
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

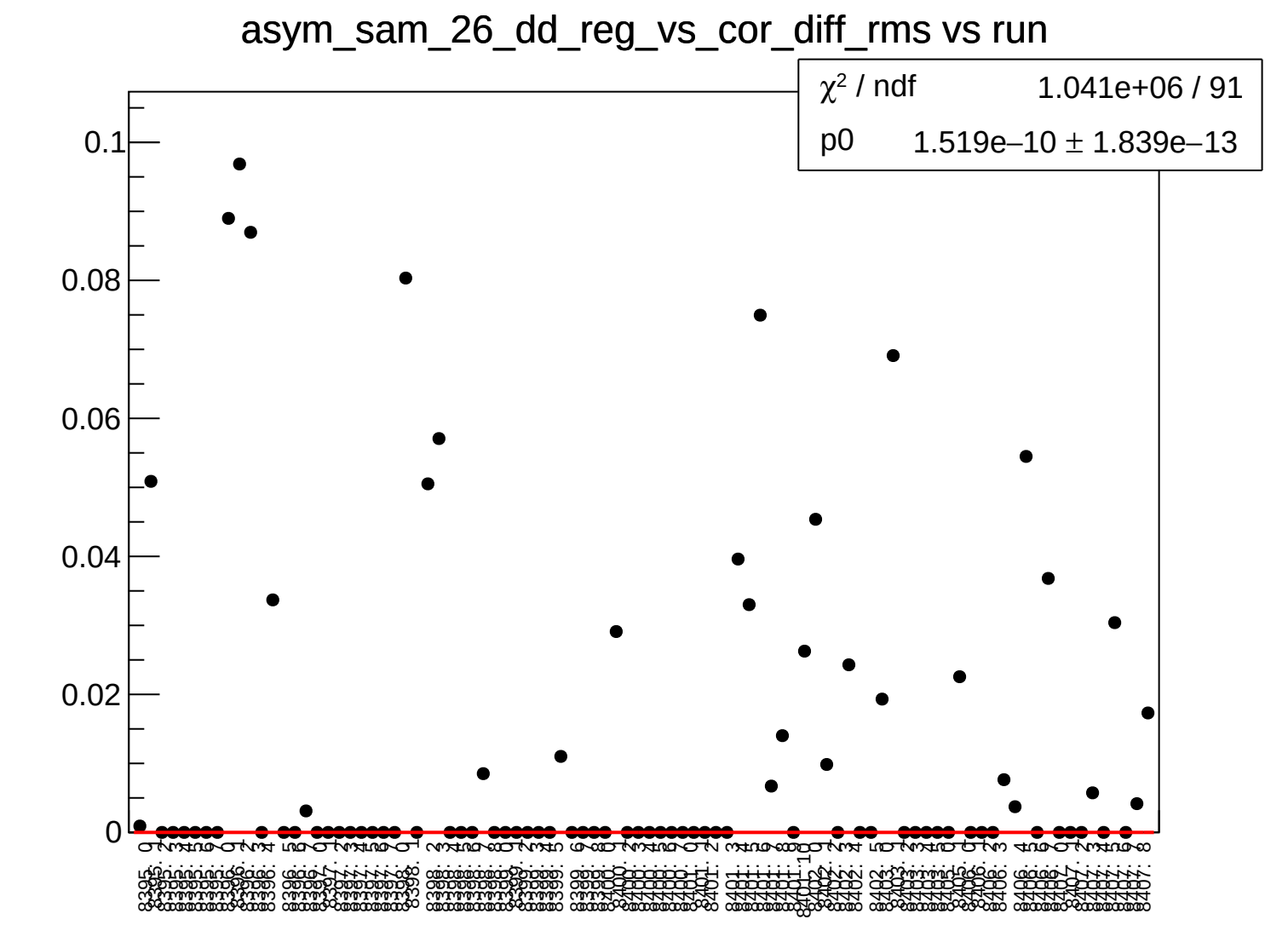

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.049e+04 / 91
p0 2900 ± 2.216
3800
3600
3400
3200
3000
2800
2600

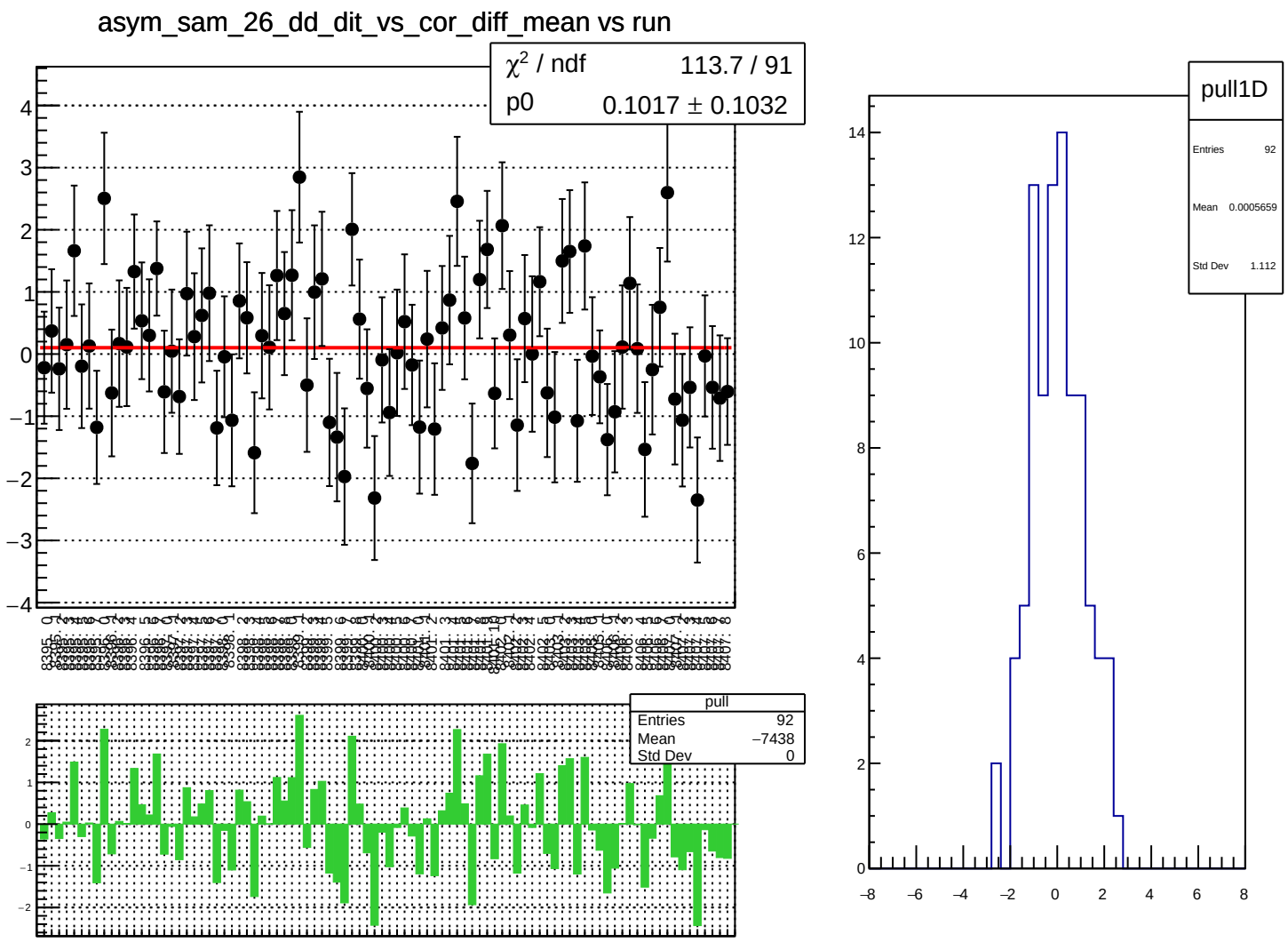

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 89.58 / 91
p0 1419 ± 3101
100
50
0
−50
−100
pull
Entries 92
Mean 299.2
Std Dev 0
2
1
0
−1
−2

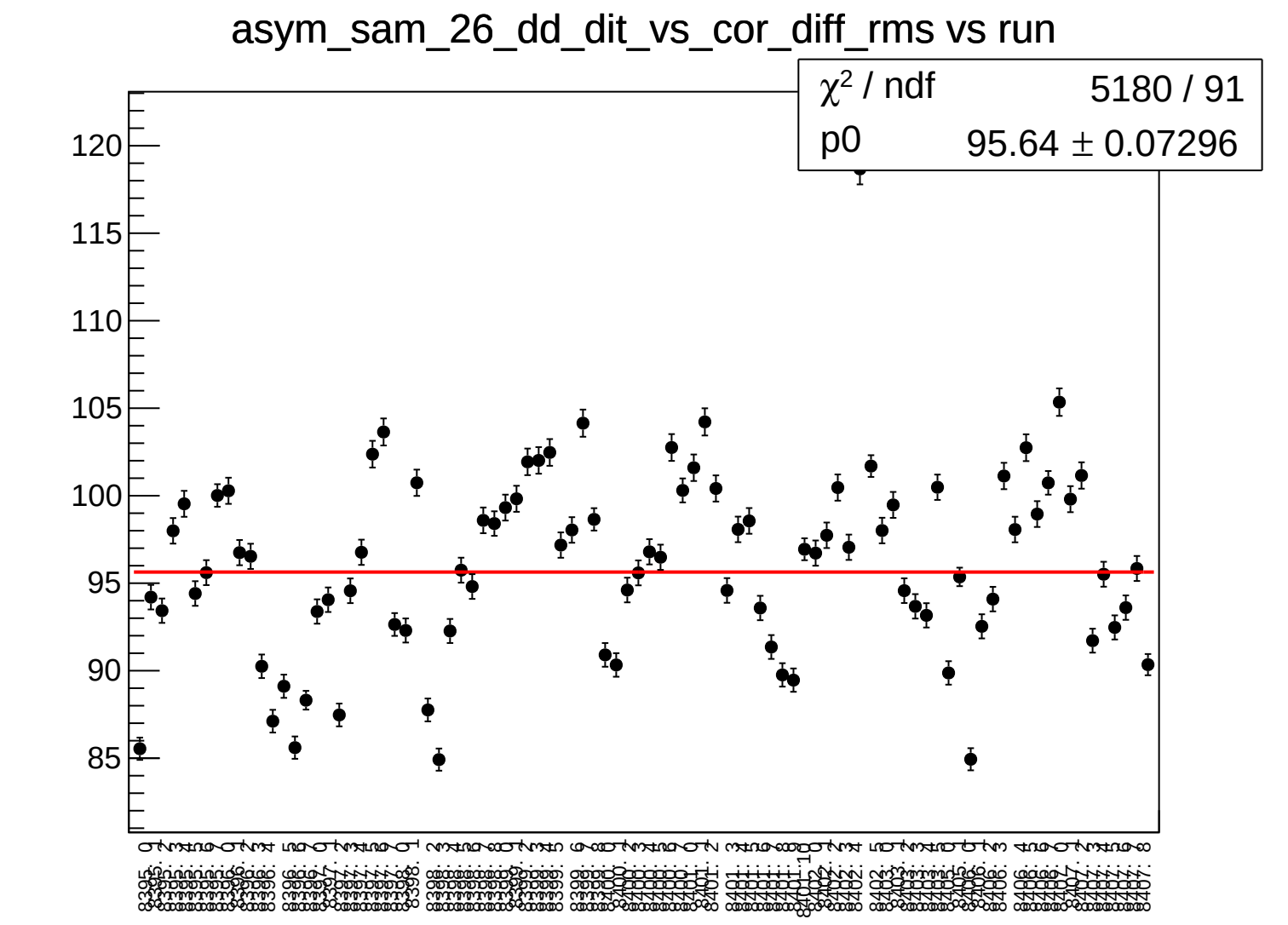

pull1D
Entries 92
Mean 0.004537
Std Dev 0.9867
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

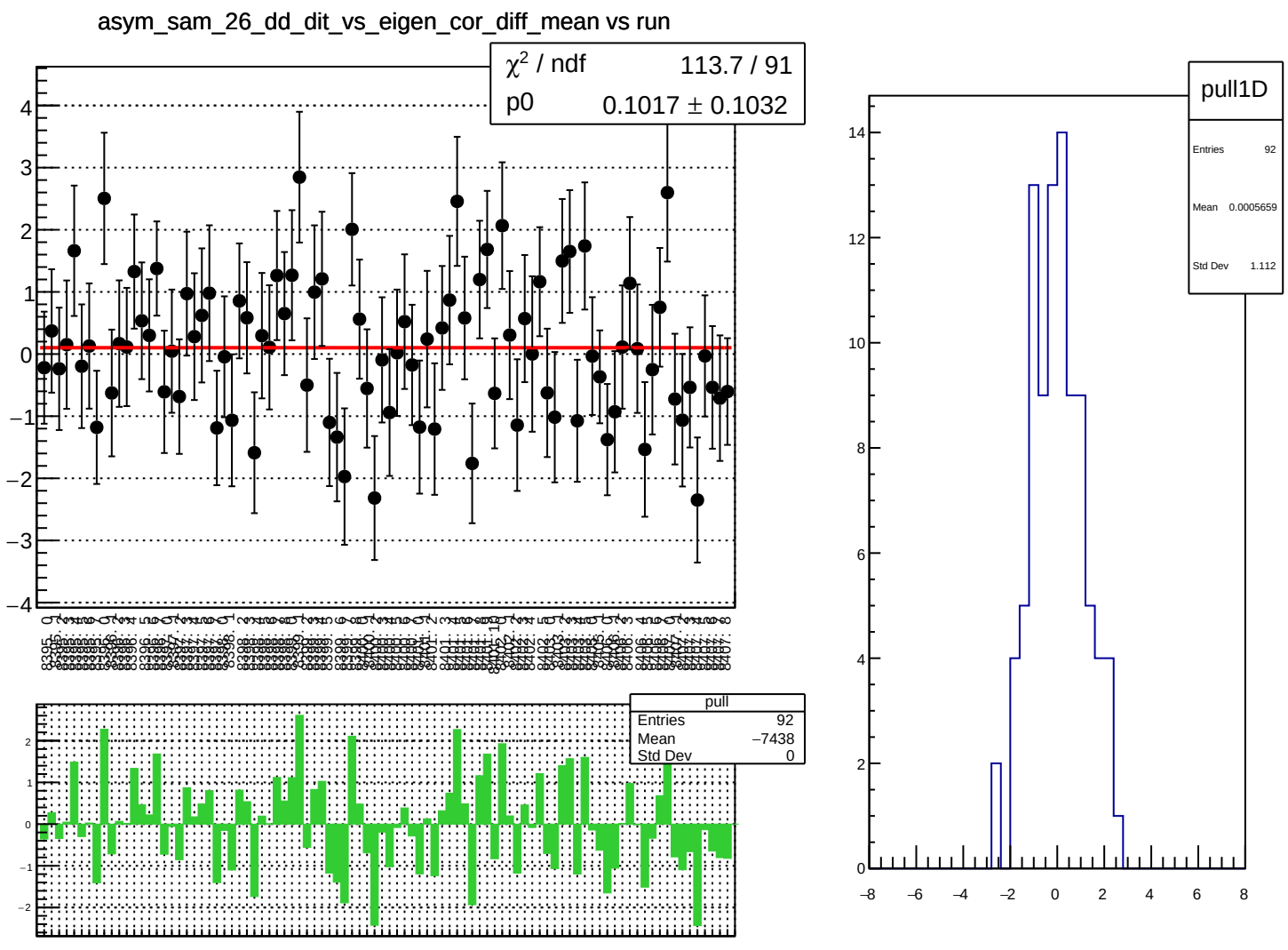

asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 1.064e+04 / 91
p0 2870 ± 2.193
3600
3400
3200
3000
2800
2600

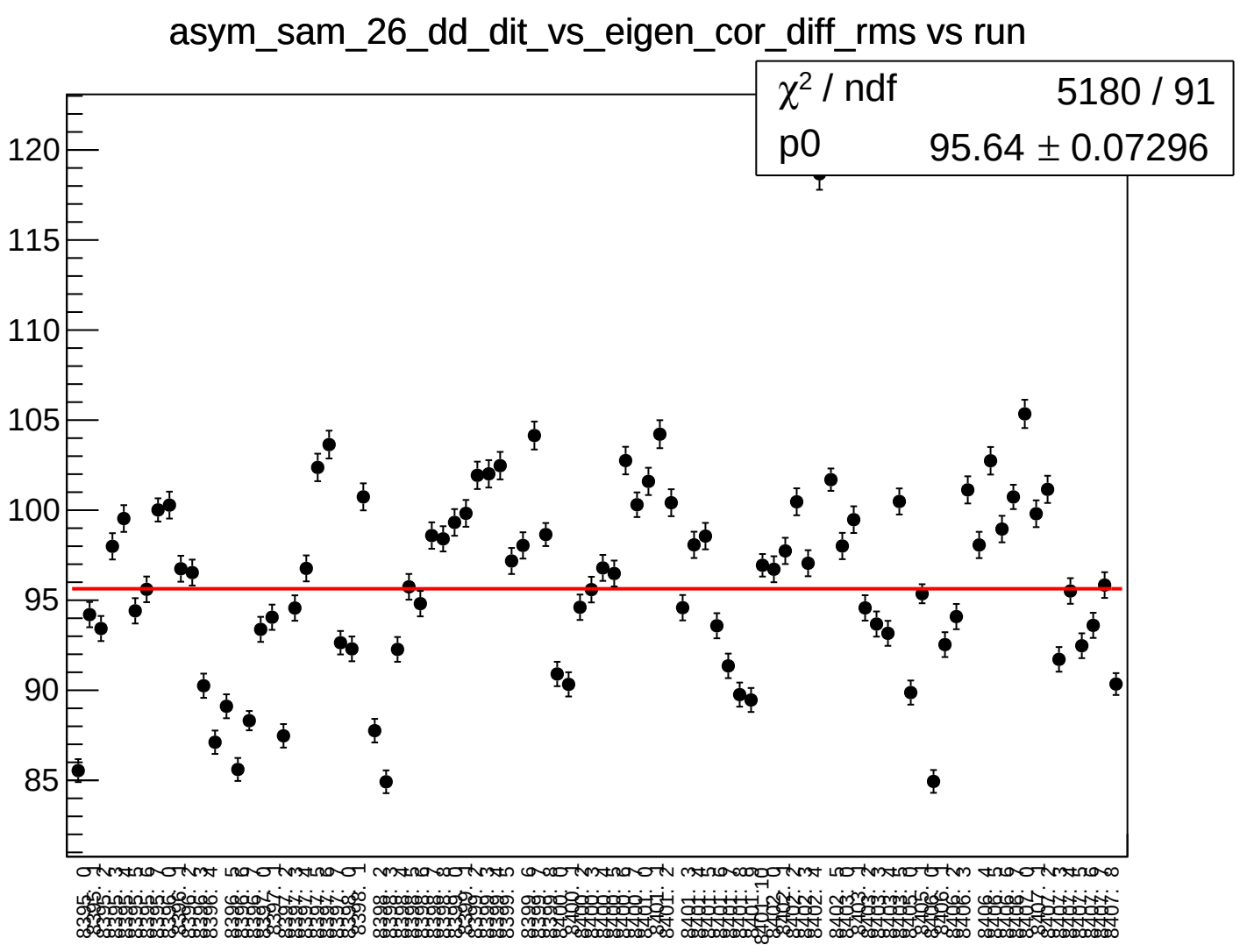

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.49 / 91
p0 2.25e−14 ± 2.601e−13
0.002
0.001
0
−0.001
−0.002
pull
Entries 92
Mean 46.9
Std Dev 44.8
pull1D
Entries 92
Mean 0.05093
Std Dev 0.934
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

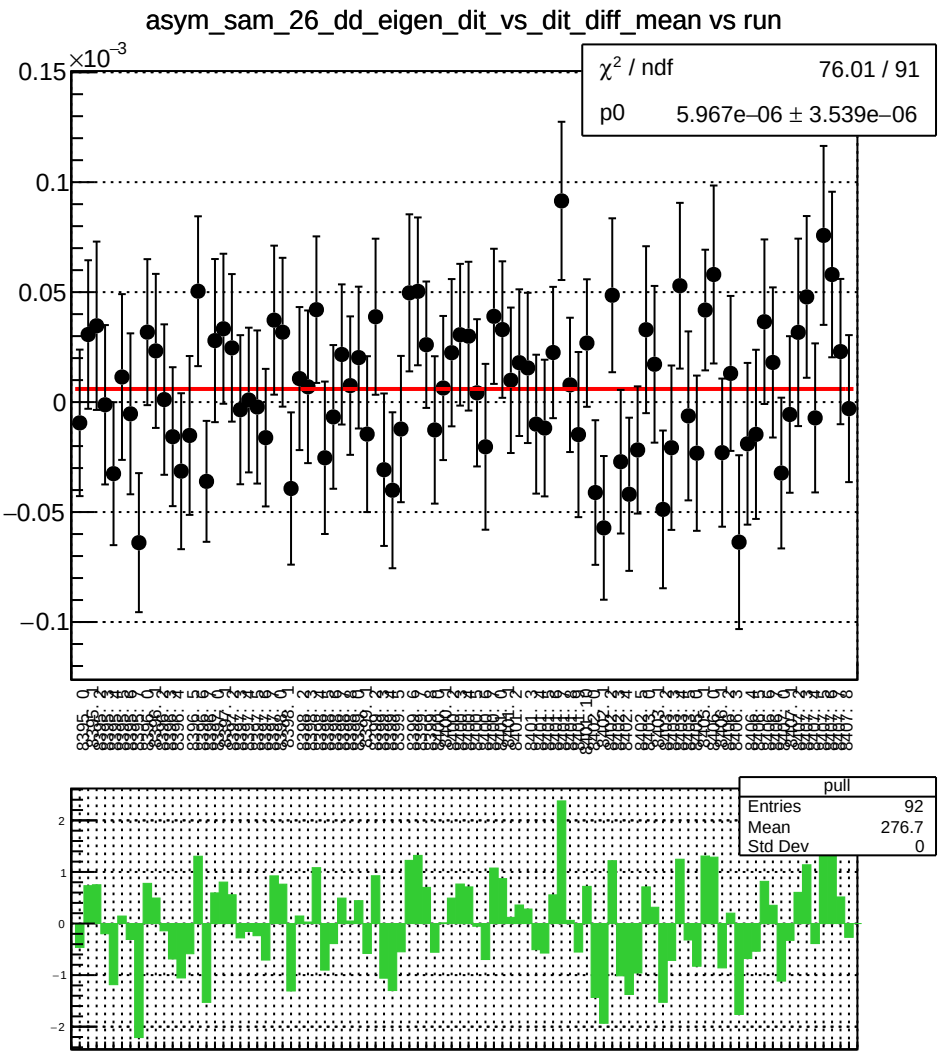

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.041e+06 / 91
p0 1.519e−10 ± 1.839e−13
0.1
0.08
0.06
0.04
0.02
0

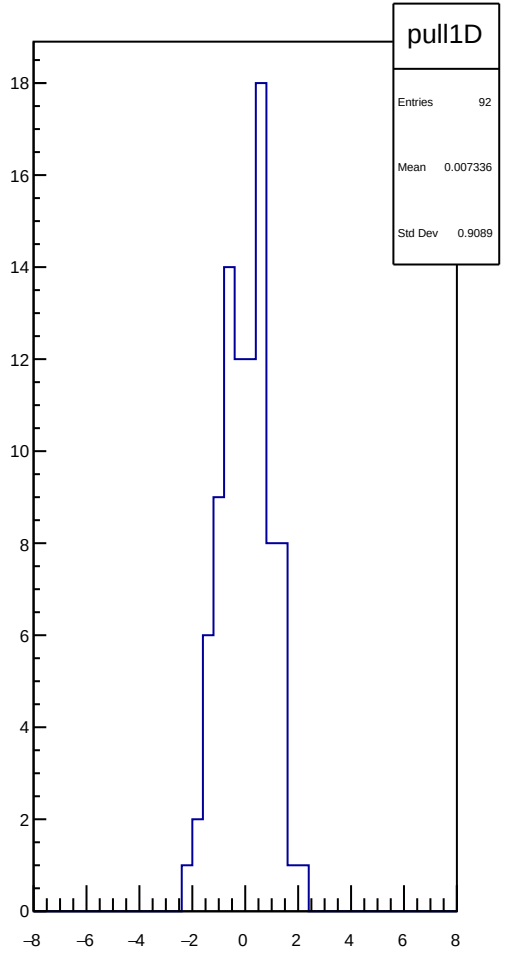

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 113.7 / 91
p0 0.1017 ± 0.1032
pull
Entries 92
Mean −7438
Std Dev 0
pull1D
Entries 92
Mean 0.0005659
Std Dev 1.112

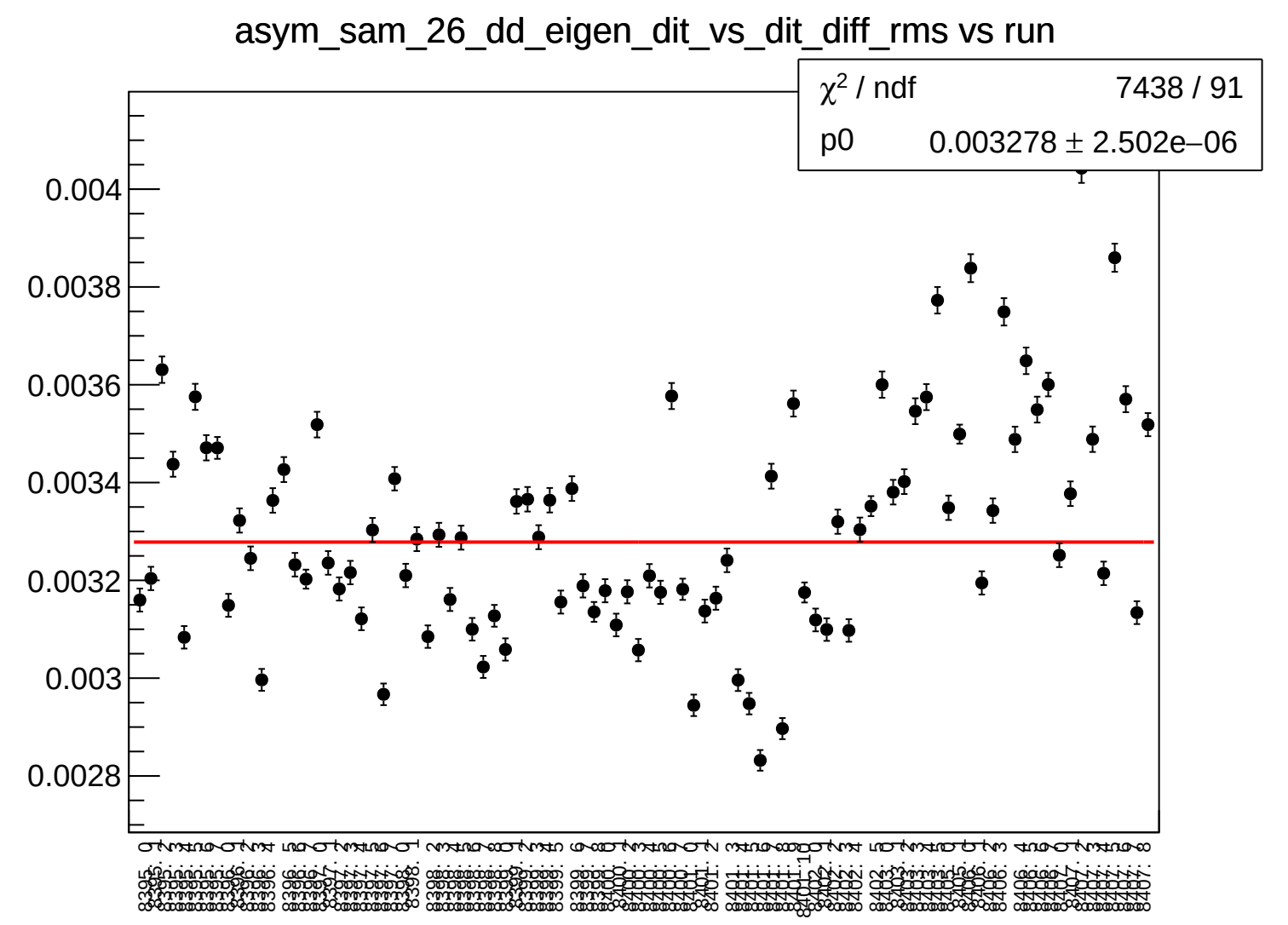

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 5180 / 91
p0 95.64 ± 0.07296
120
115
110
105
100
95
90
85

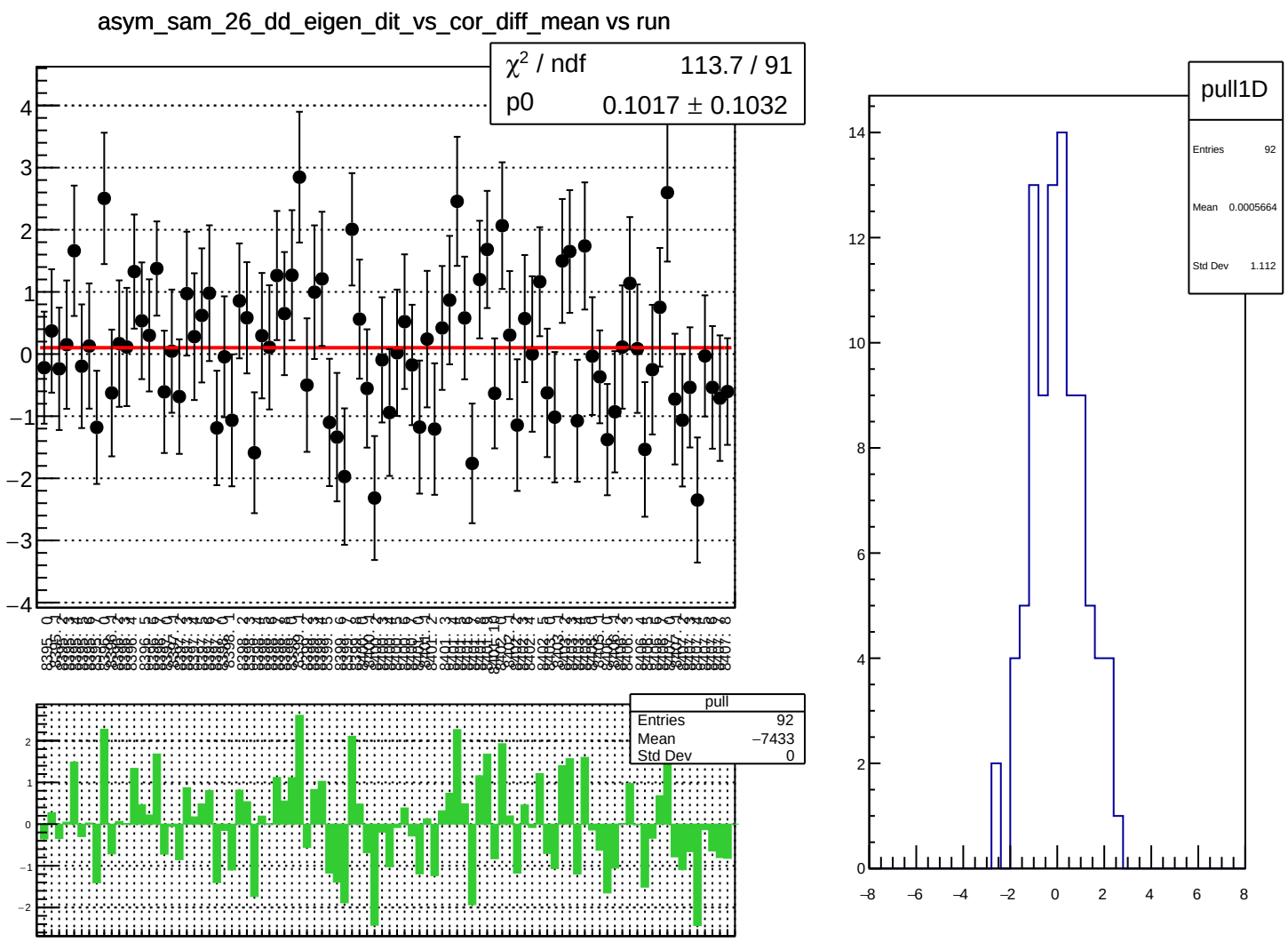

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.7 / 91
p0 0.1017 ± 0.1032
pull
Entries 92
Mean −7438
Std Dev 0
pull1D
Entries 92
Mean 0.0005659
Std Dev 1.112

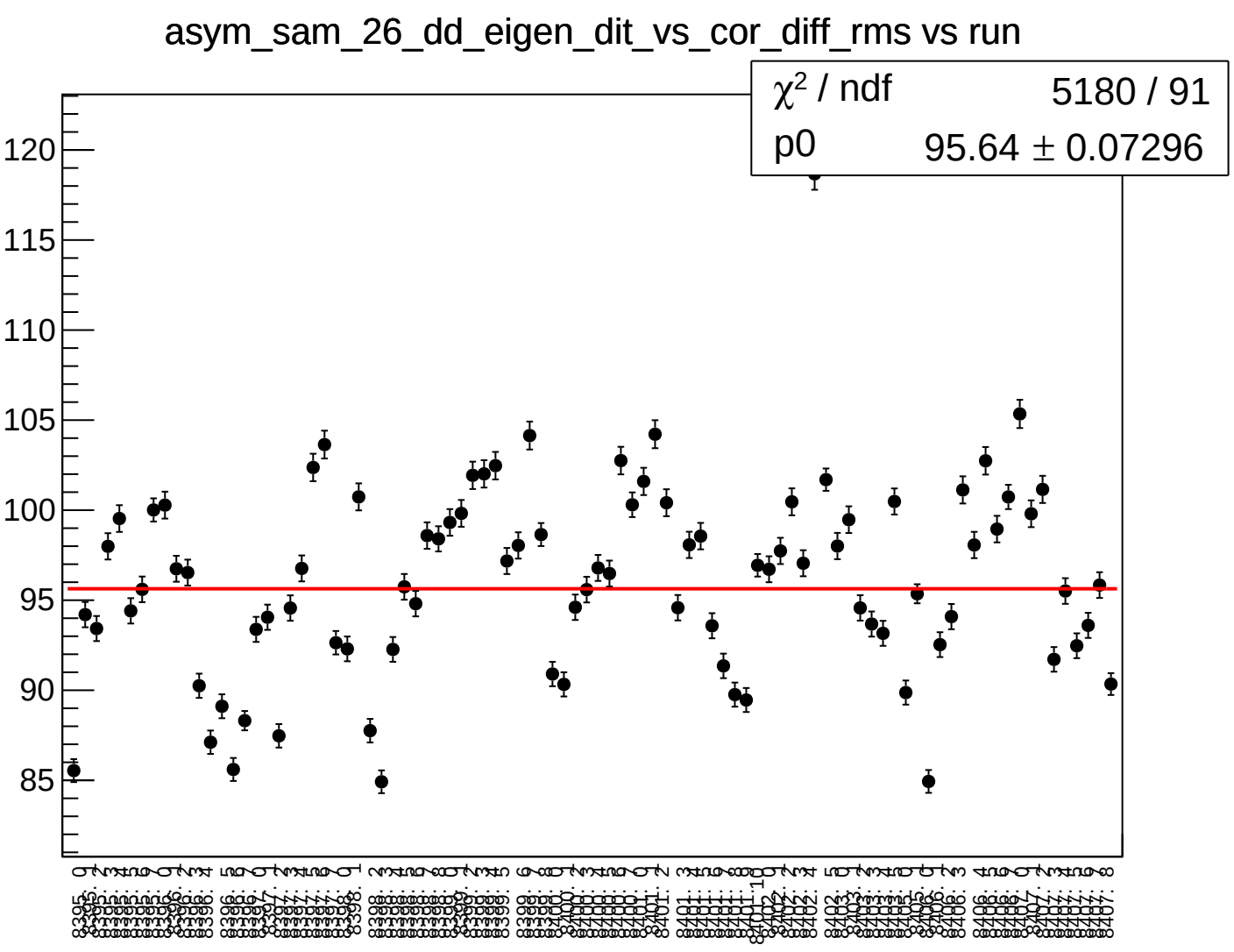

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5180 / 91
p0 95.64 ± 0.07296
120
115
110
105
100
95
90
85

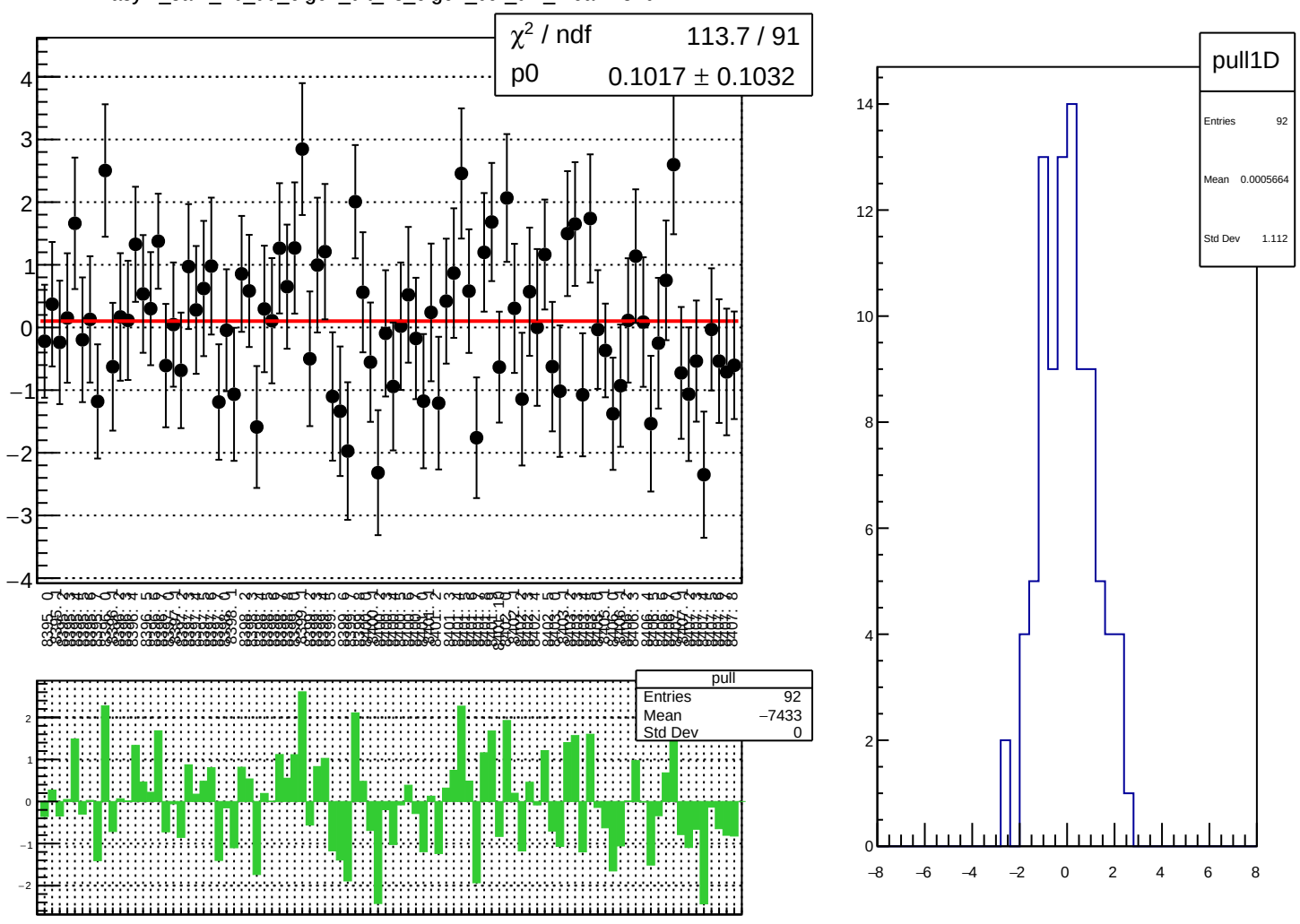

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 76.01 / 91
p0 5.967e−06 ± 3.539e−06
×10⁻³
pull
Entries 92
Mean 276.7
Std Dev 0

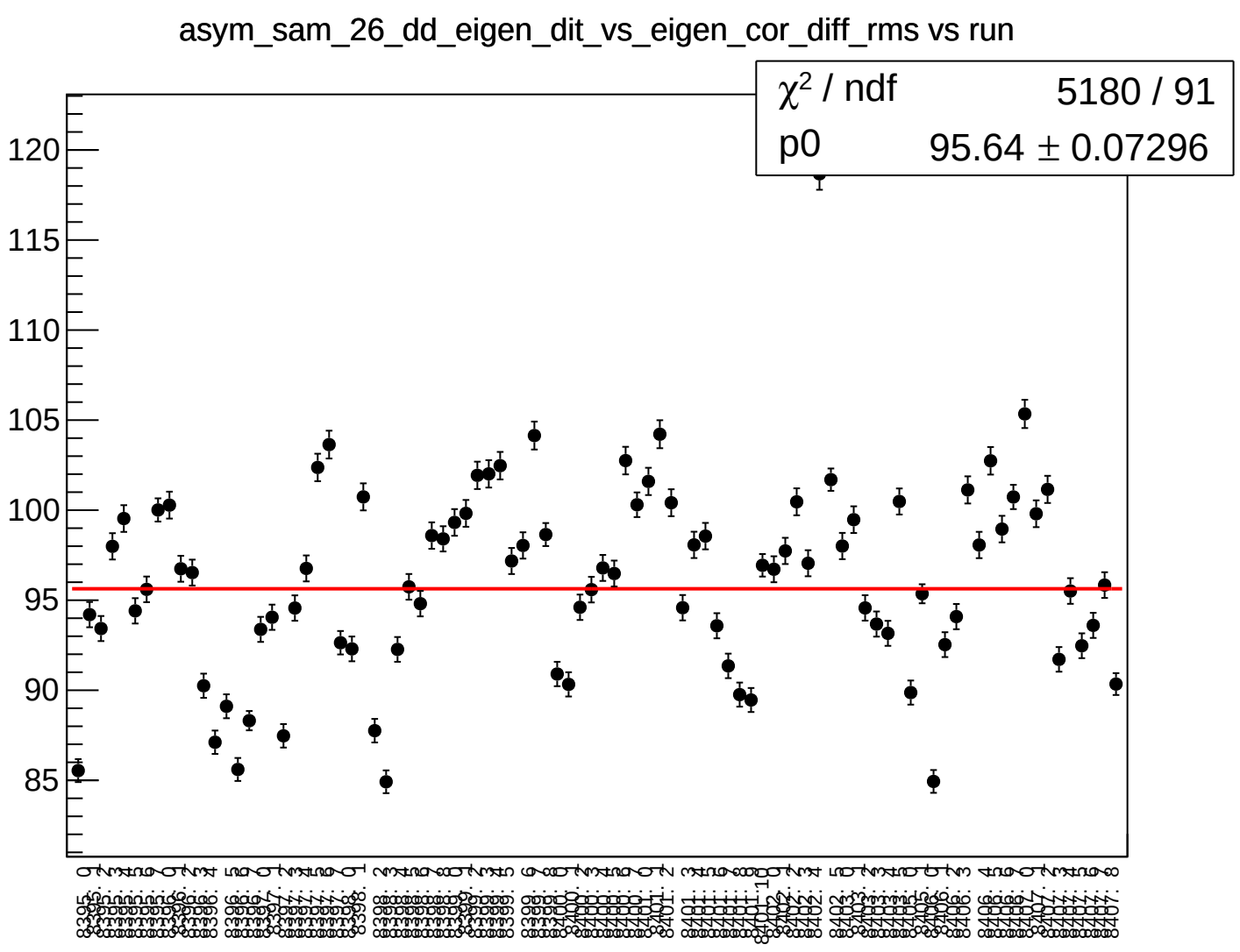

pull1D
Entries 92
Mean 0.007336
Std Dev 0.9089

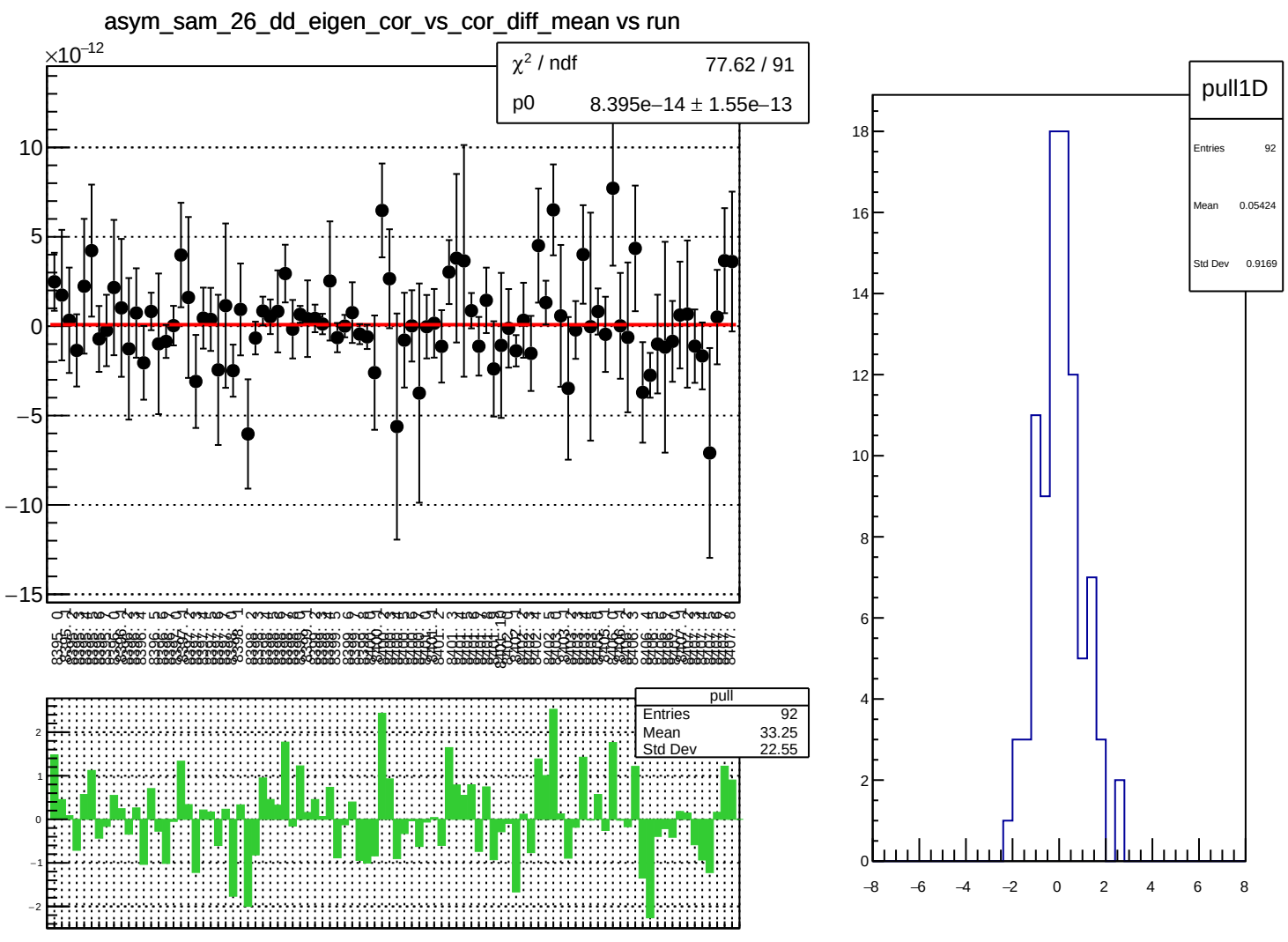

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7438 / 91
p0 0.003278 ± 2.502e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

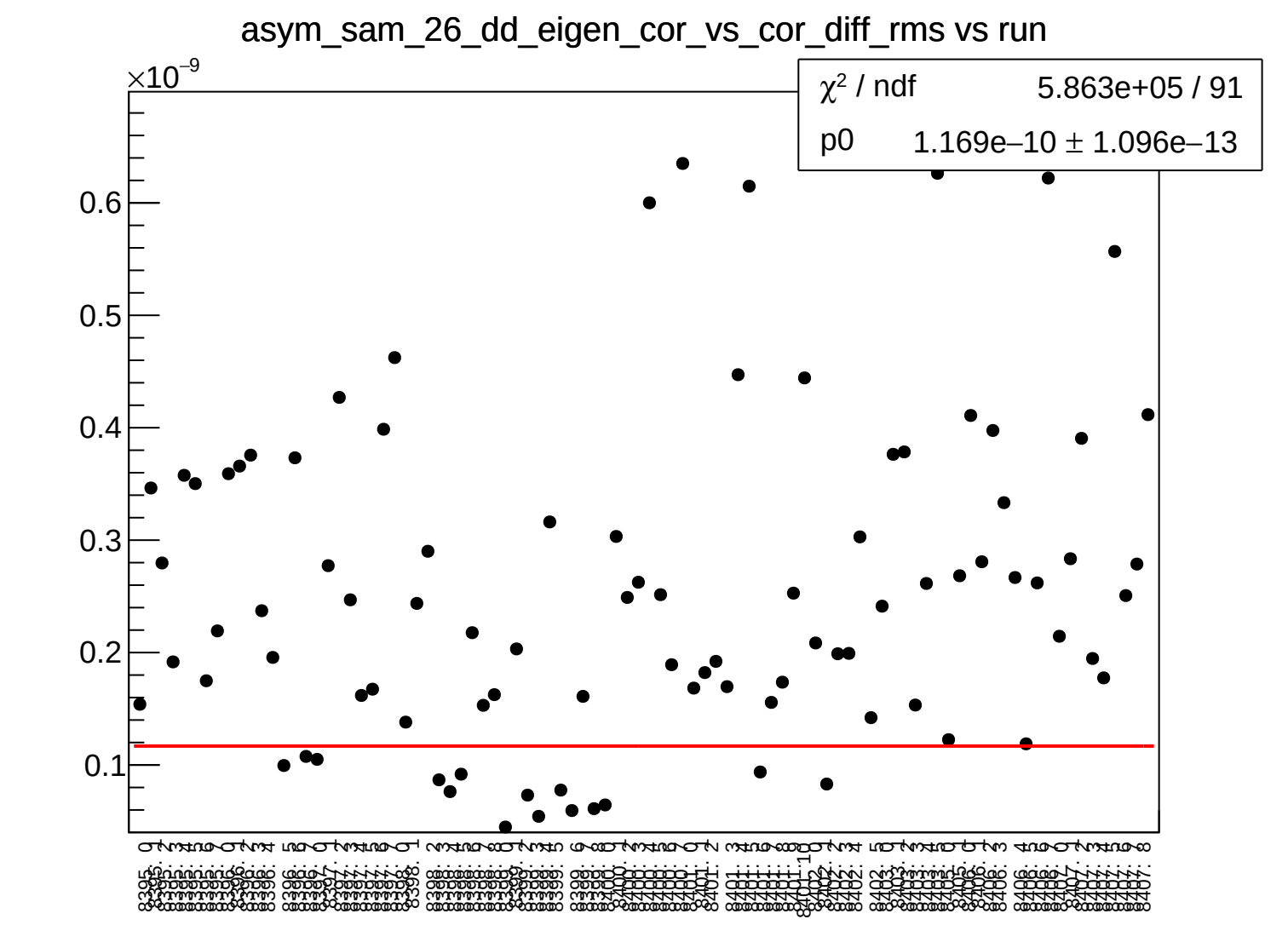

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 113.7 / 91
p0 0.1017 ± 0.1032
pull
Entries 92
Mean −7433
Std Dev 0
pull1D
Entries 92
Mean 0.0005664
Std Dev 1.112

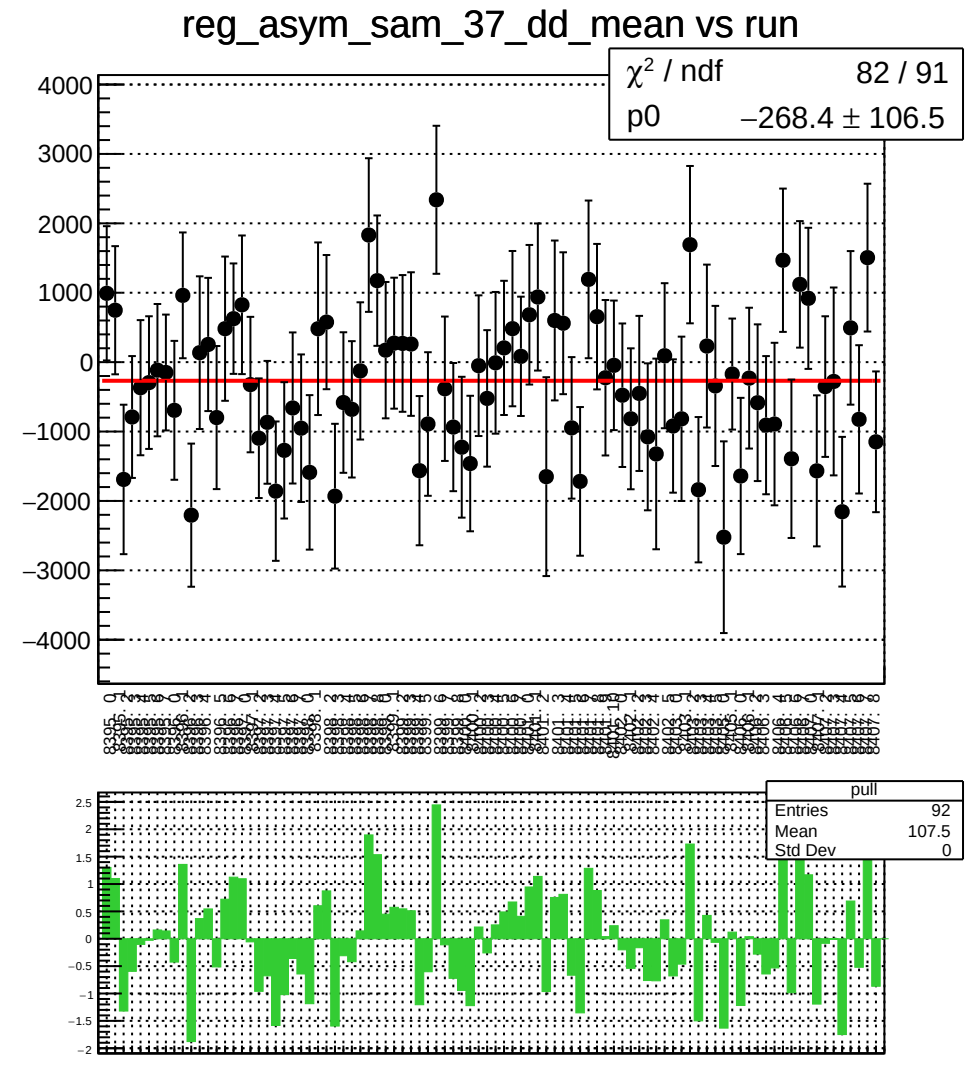

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5180 / 91
p0 95.64 ± 0.07296
120
115
110
105
100
95
90
85

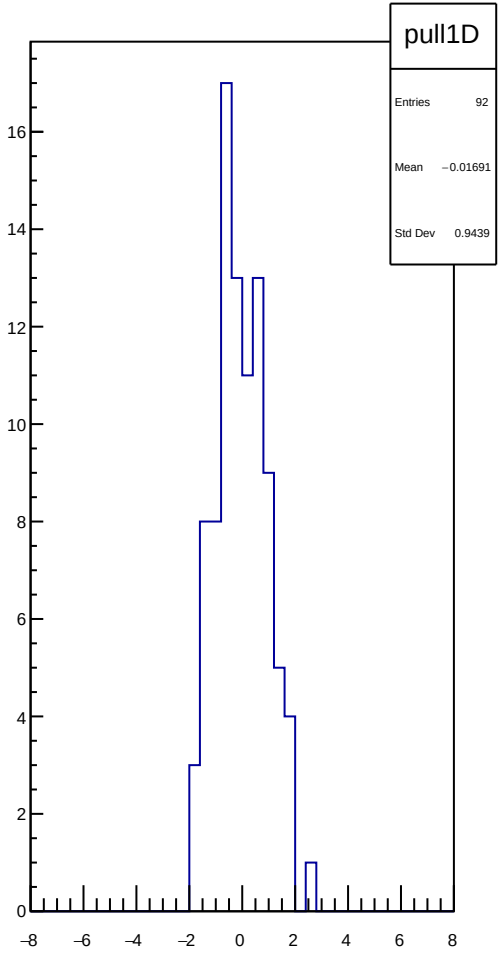

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 113.7 / 91
p0 0.1017 ± 0.1032
pull
Entries 92
Mean −7433
Std Dev 0
pull1D
Entries 92
Mean 0.0005664
Std Dev 1.112

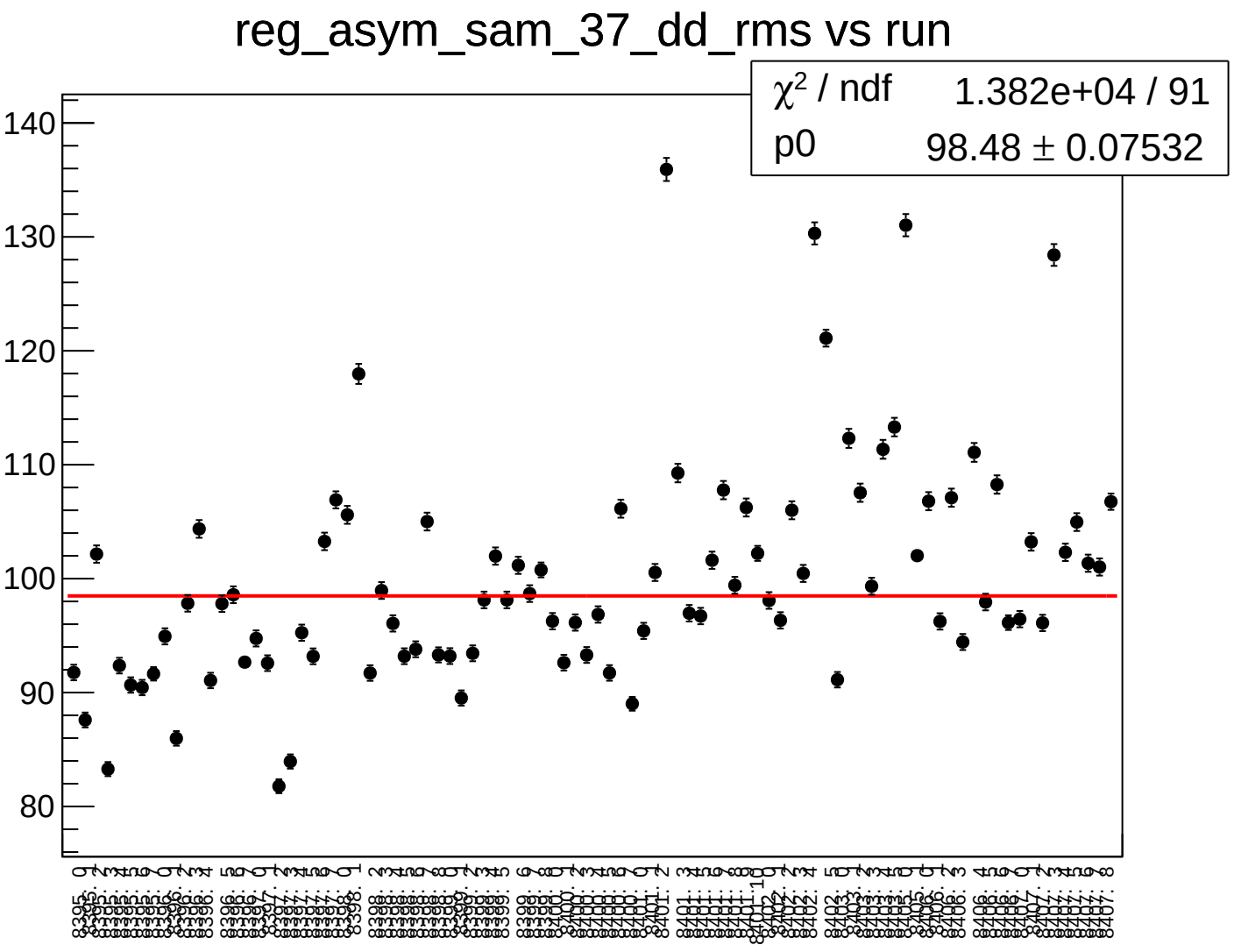

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5180 / 91
p0 95.64 ± 0.07296
120
115
110
105
100
95
90
85

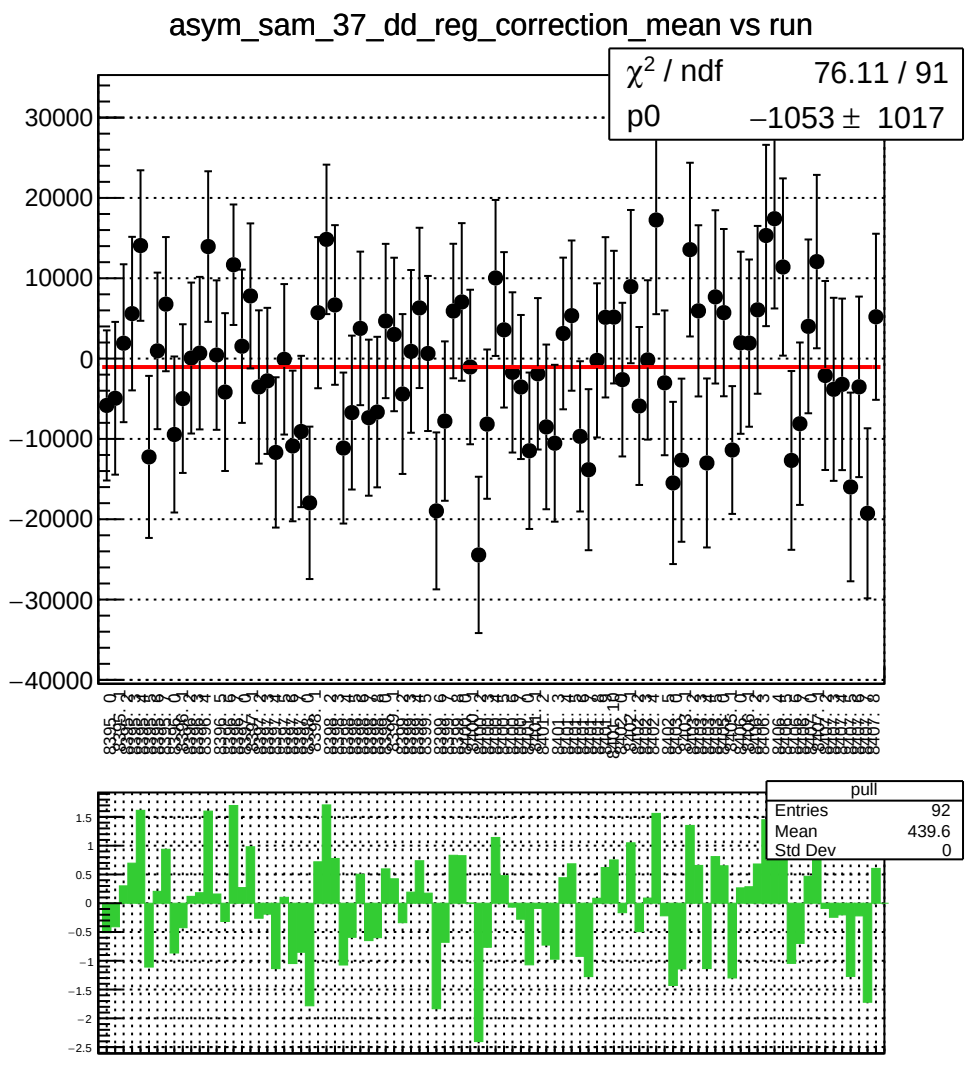

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.62 / 91
p0 8.395e−14 ± 1.55e−13
10
5
0
−5
−10
−15
pull
Entries 92
Mean 33.25
Std Dev 22.55
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.05424
Std Dev 0.9169
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

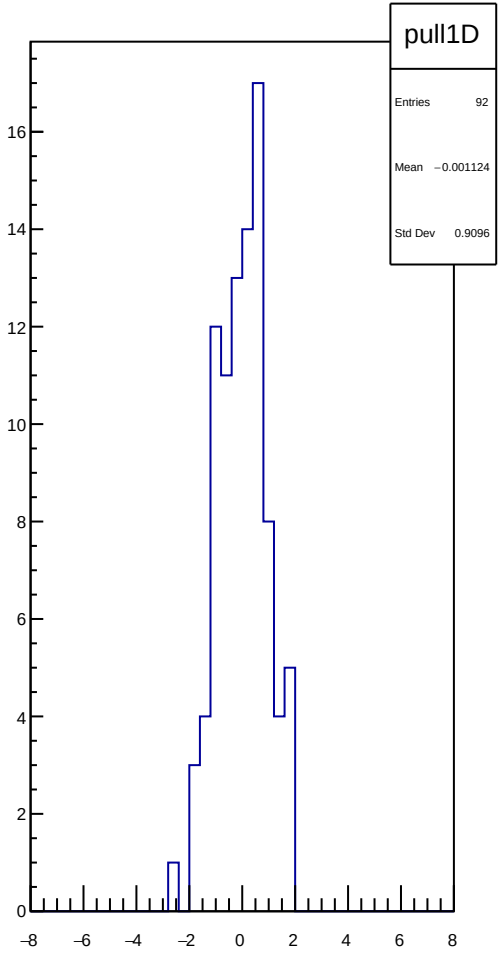

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.863e+05 / 91
p0 1.169e−10 ± 1.096e−13
0.6
0.5
0.4
0.3
0.2
0.1

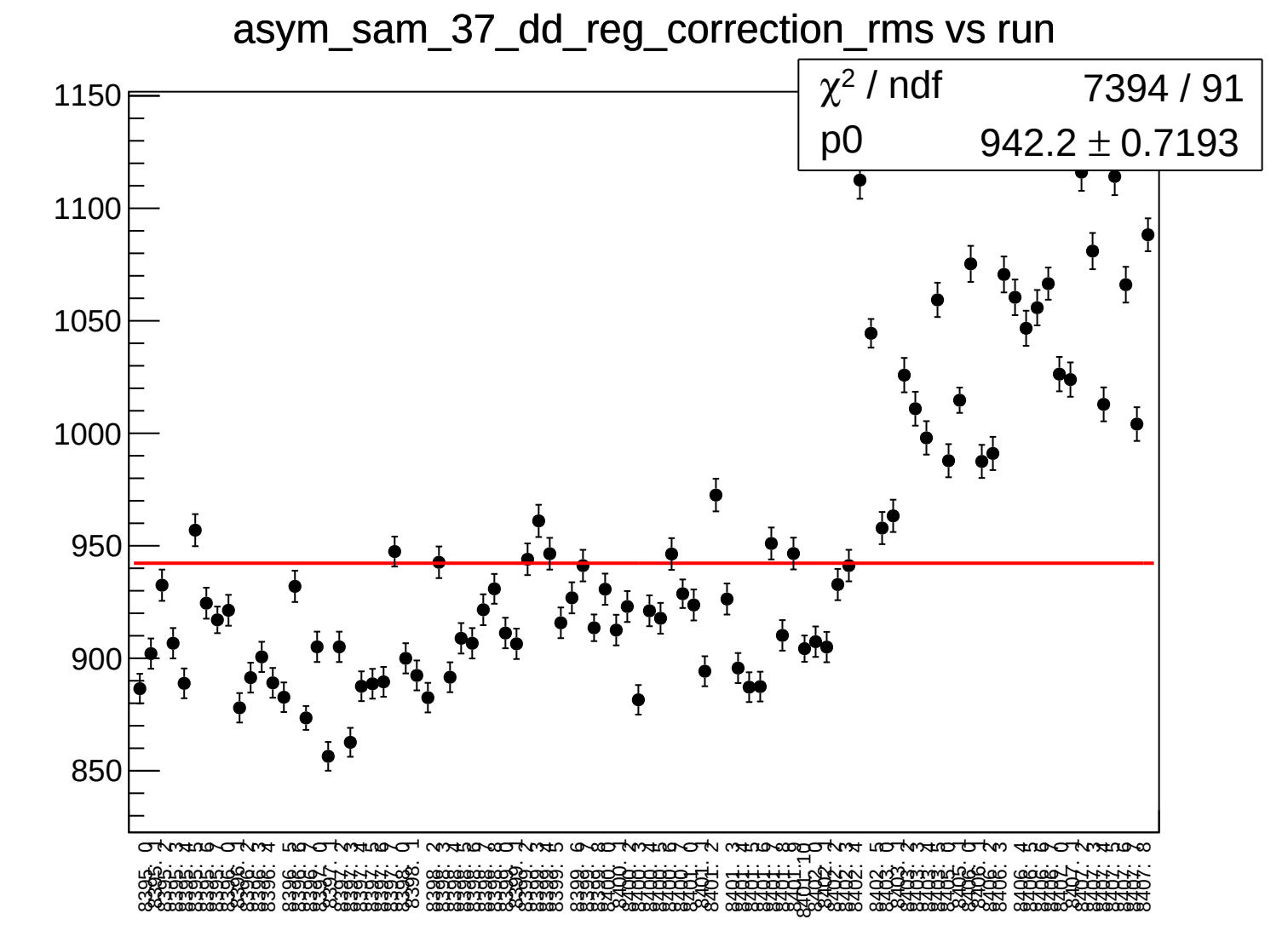

reg_asym_sam_37_dd_mean vs run
χ² / ndf 82 / 91
p0 −268.4 ± 106.5
pull
Entries 92
Mean 107.5
Std Dev 0

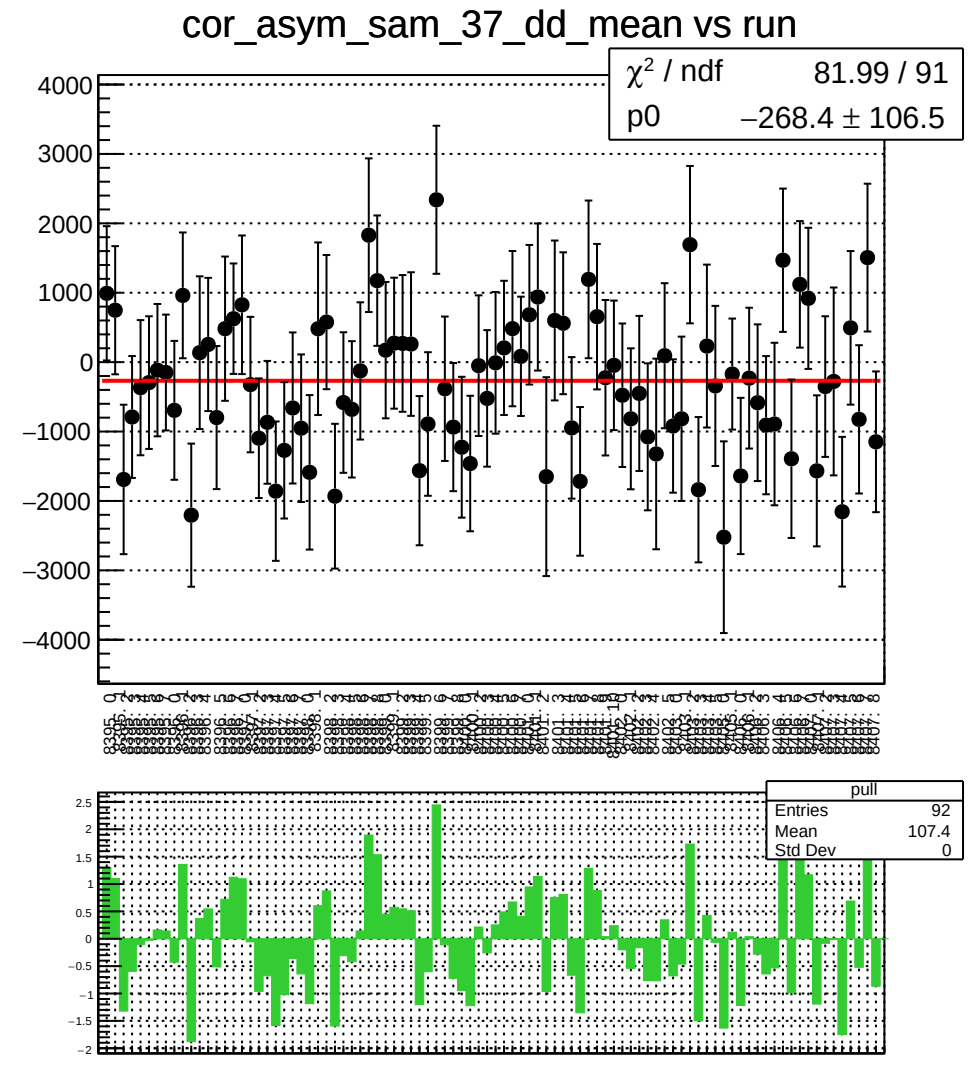

pull1D
Entries 92
Mean −0.01691
Std Dev 0.9439

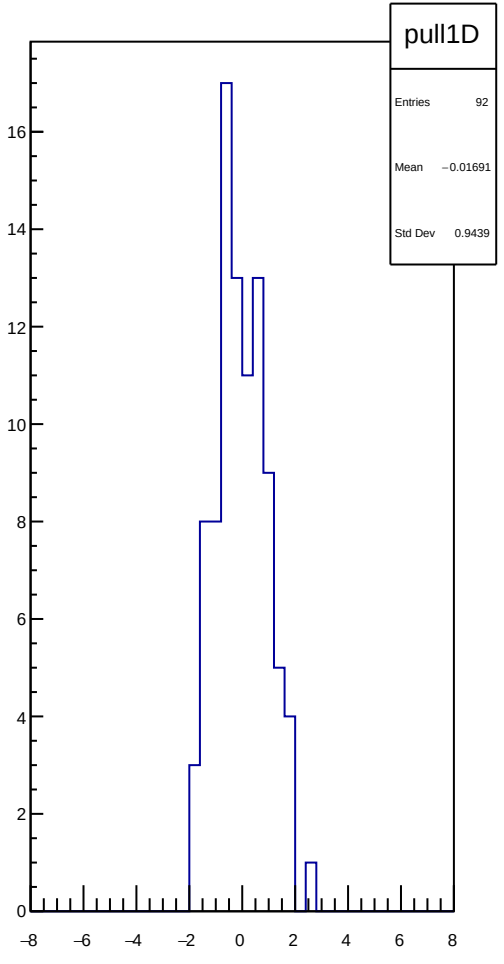

reg_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 1.382e+04 / 91
p0 98.48 ± 0.07532
140
130
120
110
100
90
80

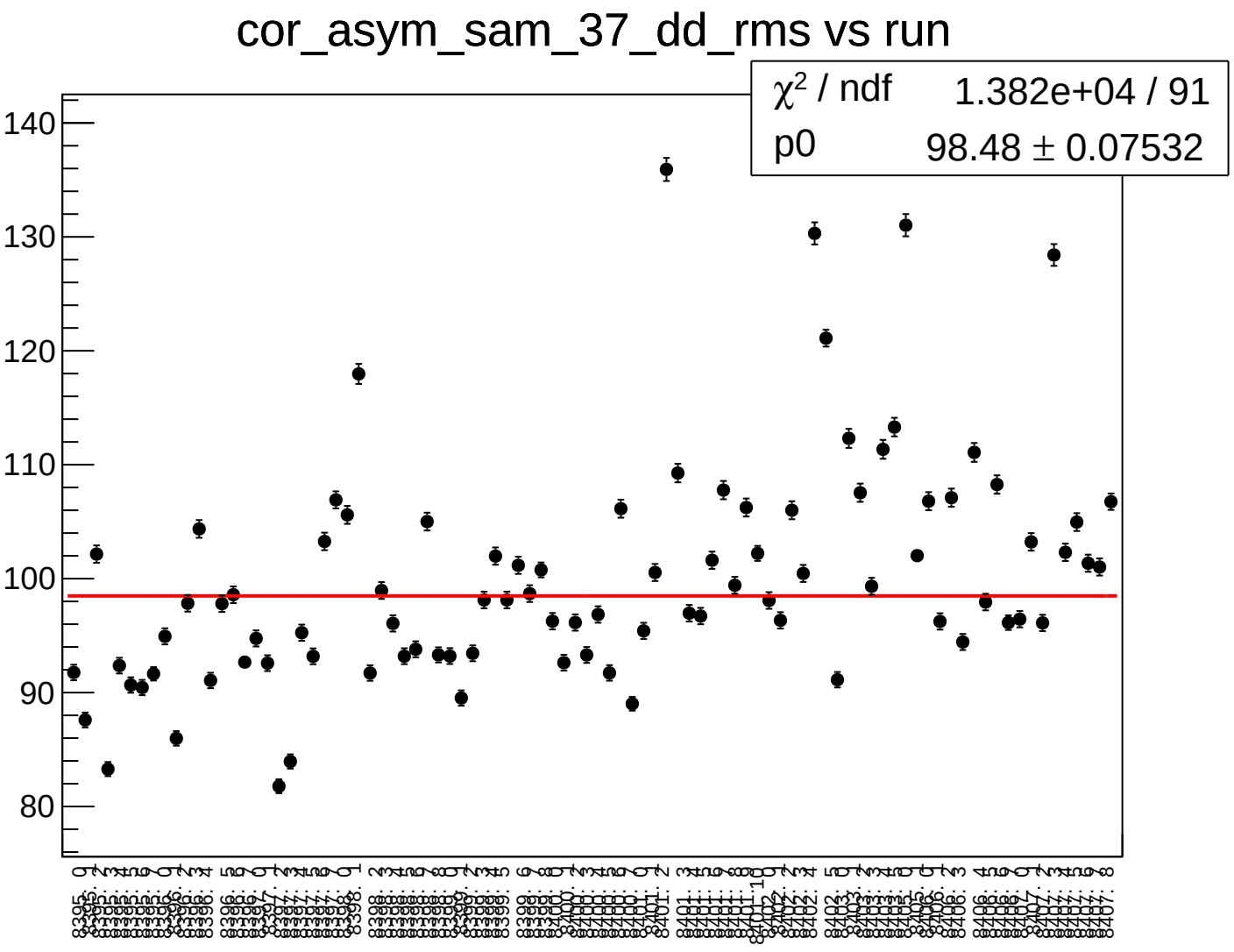

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 76.11 / 91
p0 −1053 ± 1017
pull
Entries 92
Mean 439.6
Std Dev 0

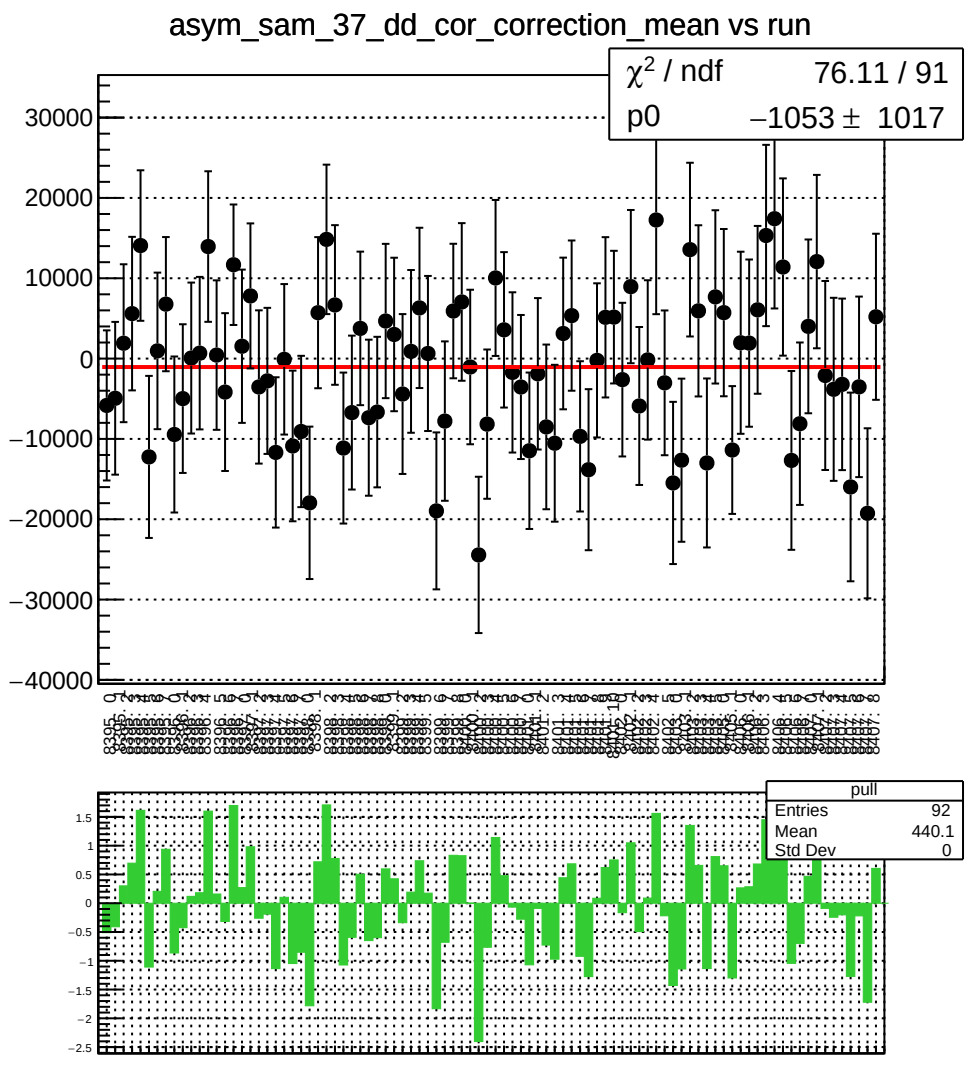

pull1D
Entries 92
Mean −0.001124
Std Dev 0.9096

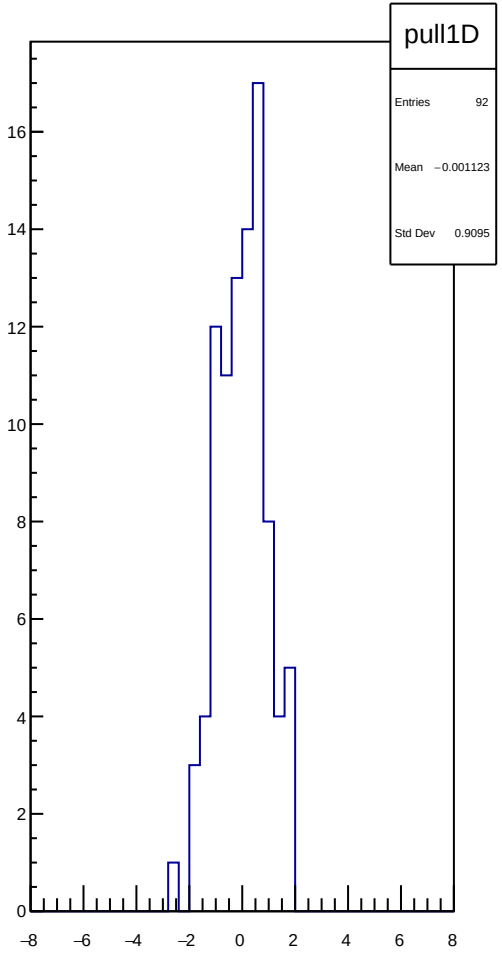

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 7394 / 91
p0 942.2 ± 0.7193
1150
1100
1050
1000
950
900
850

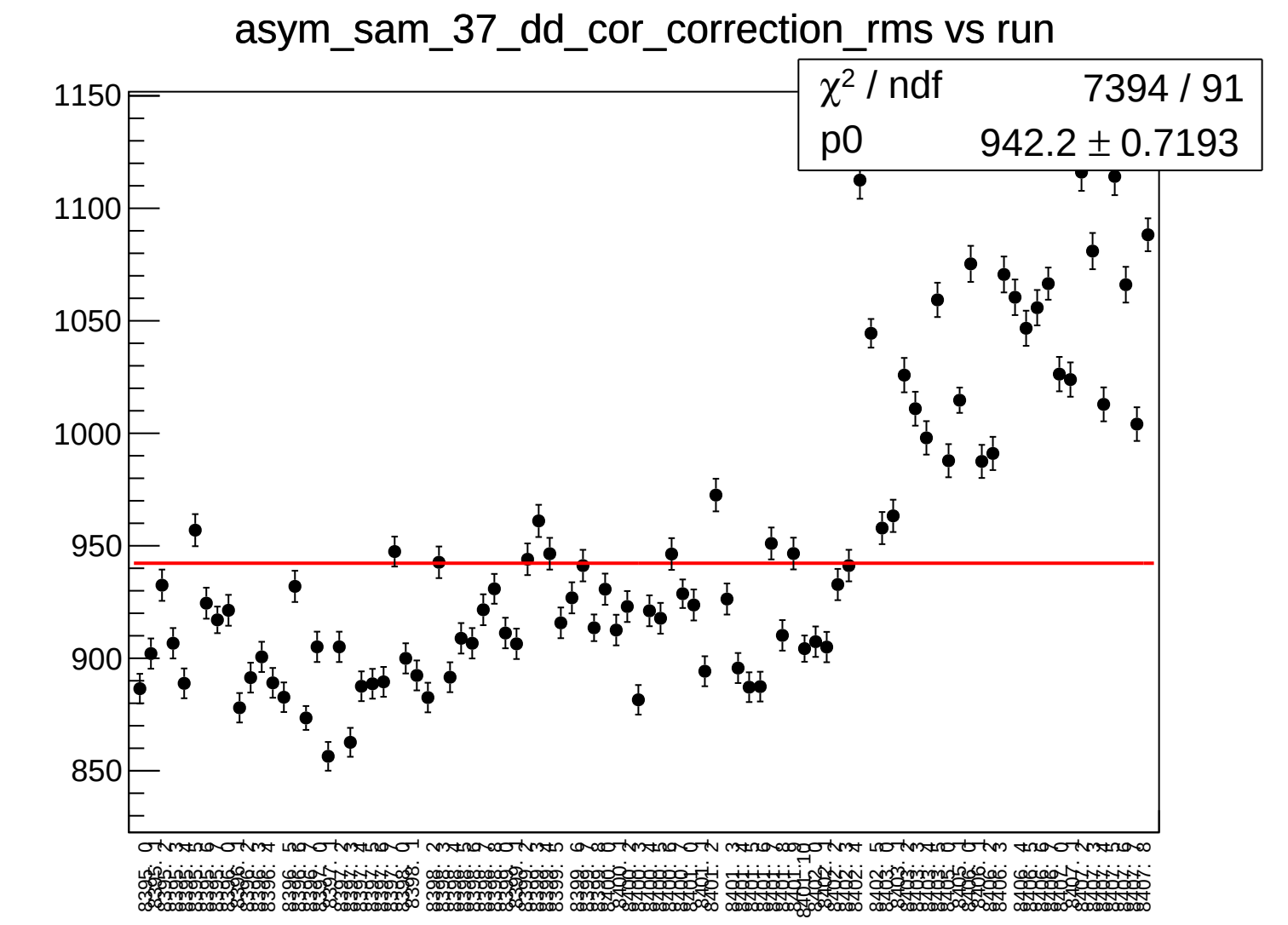

cor_asym_sam_37_dd_mean vs run
χ² / ndf 81.99 / 91
p0 −268.4 ± 106.5
pull
Entries 92
Mean 107.4
Std Dev 0

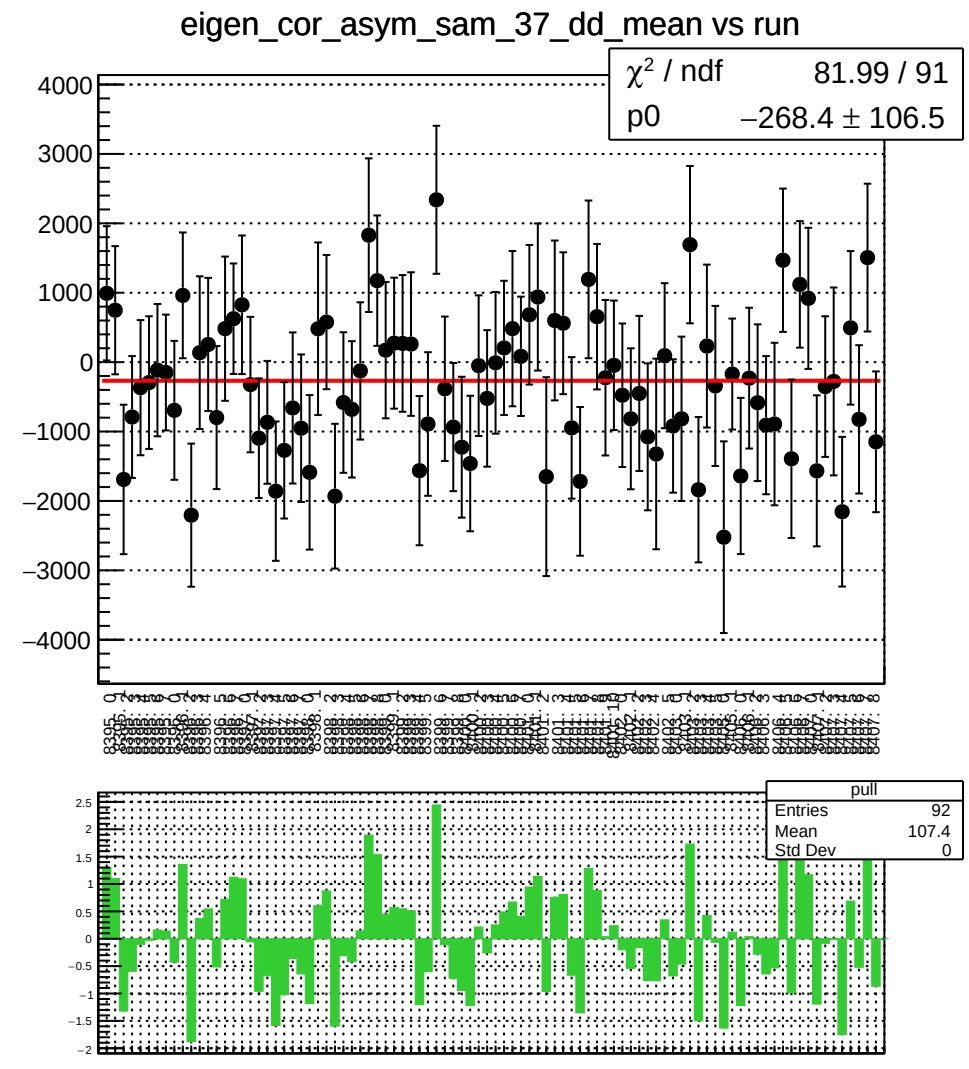

pull1D
Entries 92
Mean −0.01691
Std Dev 0.9439

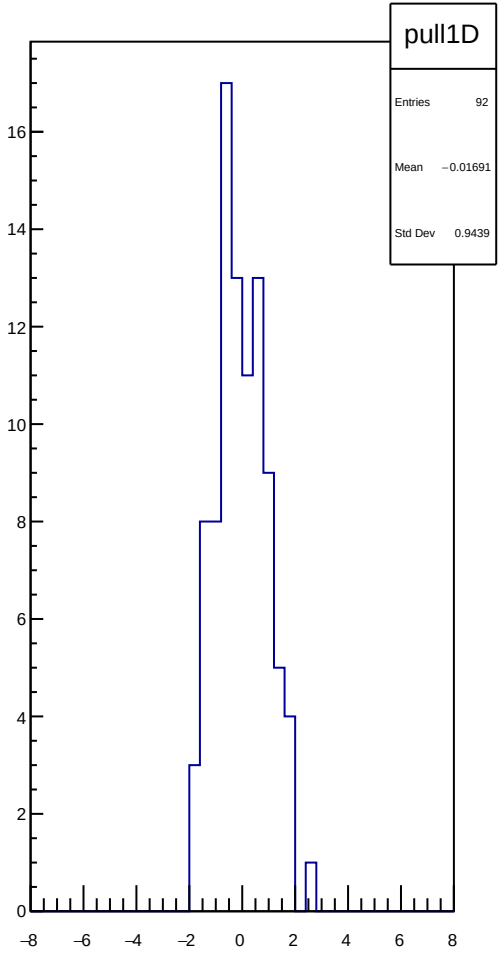

cor_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 1.382e+04 / 91
p0 98.48 ± 0.07532
140
130
120
110
100
90
80

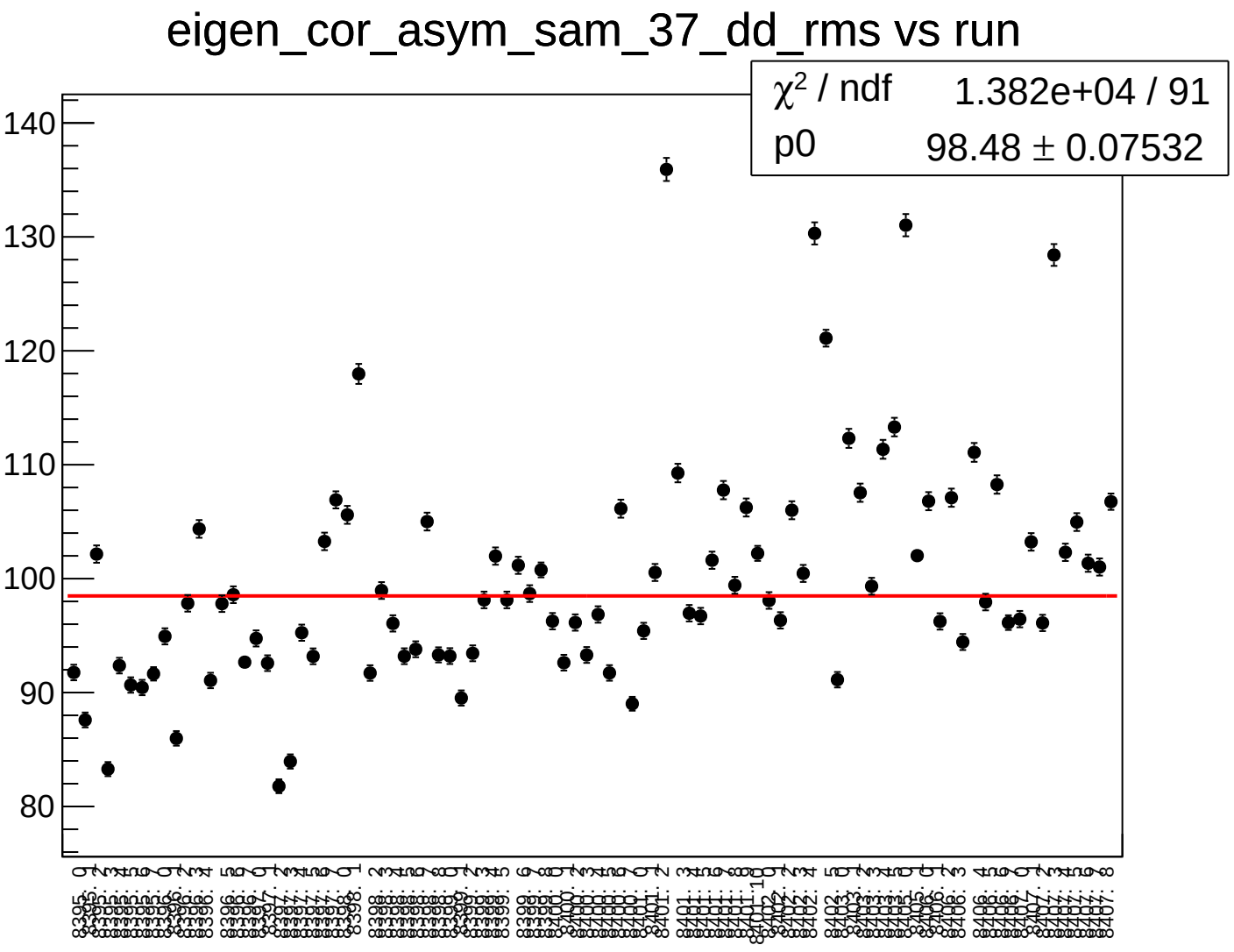

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 76.11 / 91
p0 −1053 ± 1017
pull
Entries 92
Mean 440.1
Std Dev 0

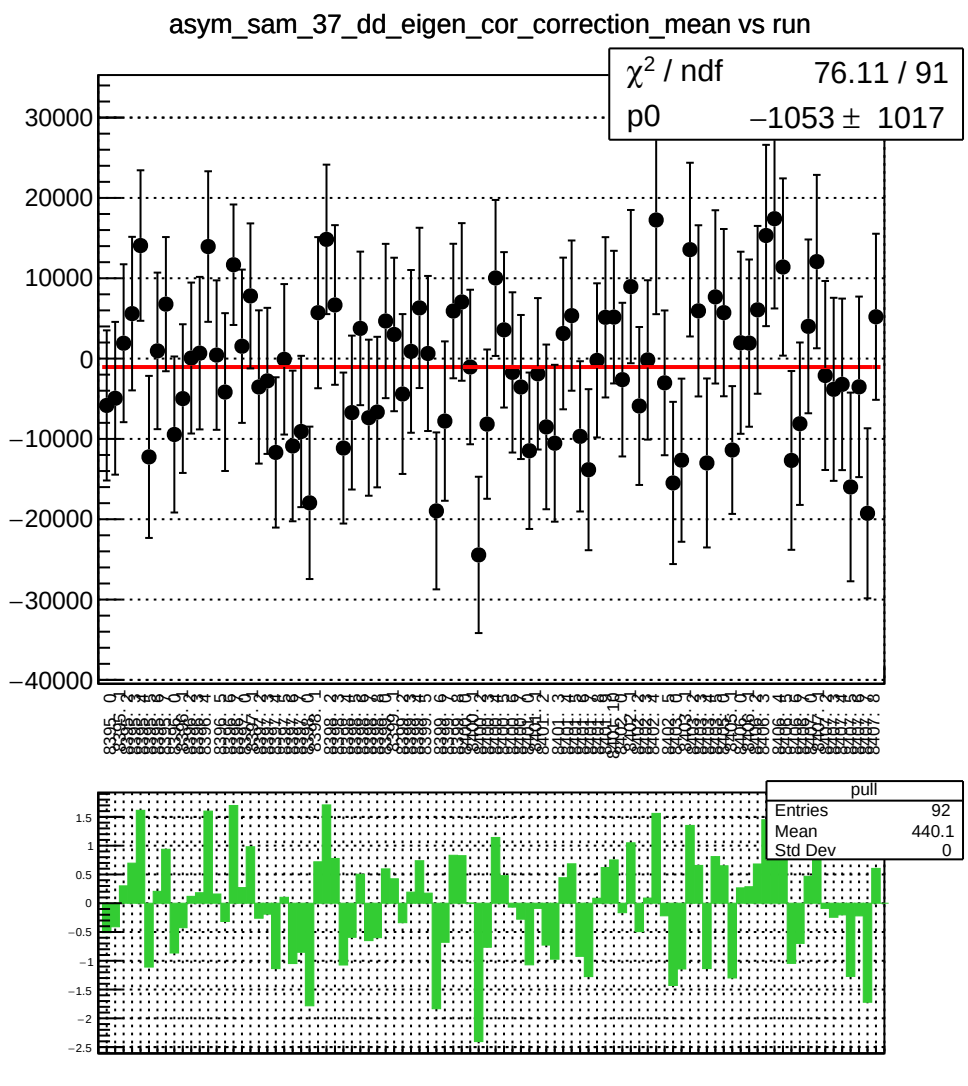

pull1D
Entries 92
Mean −0.001123
Std Dev 0.9095

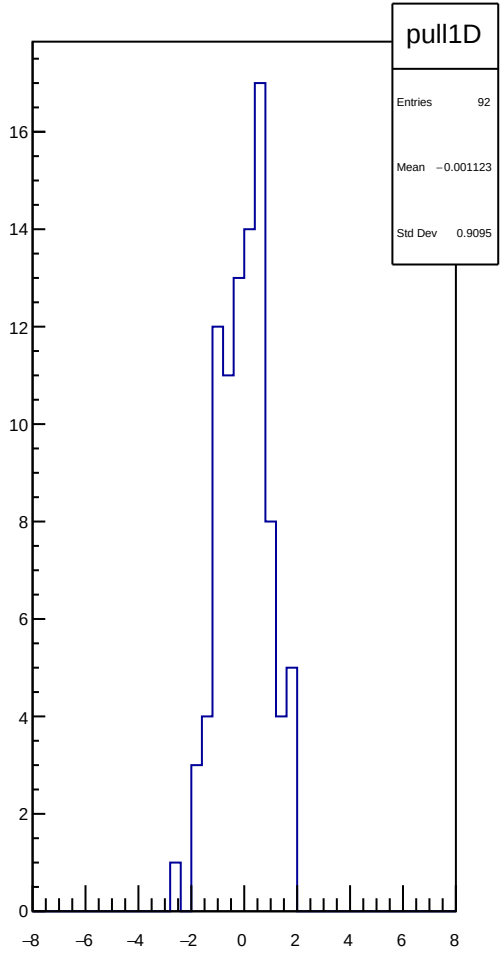

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 7394 / 91
p0 942.2 ± 0.7193
1150
1100
1050
1000
950
900
850

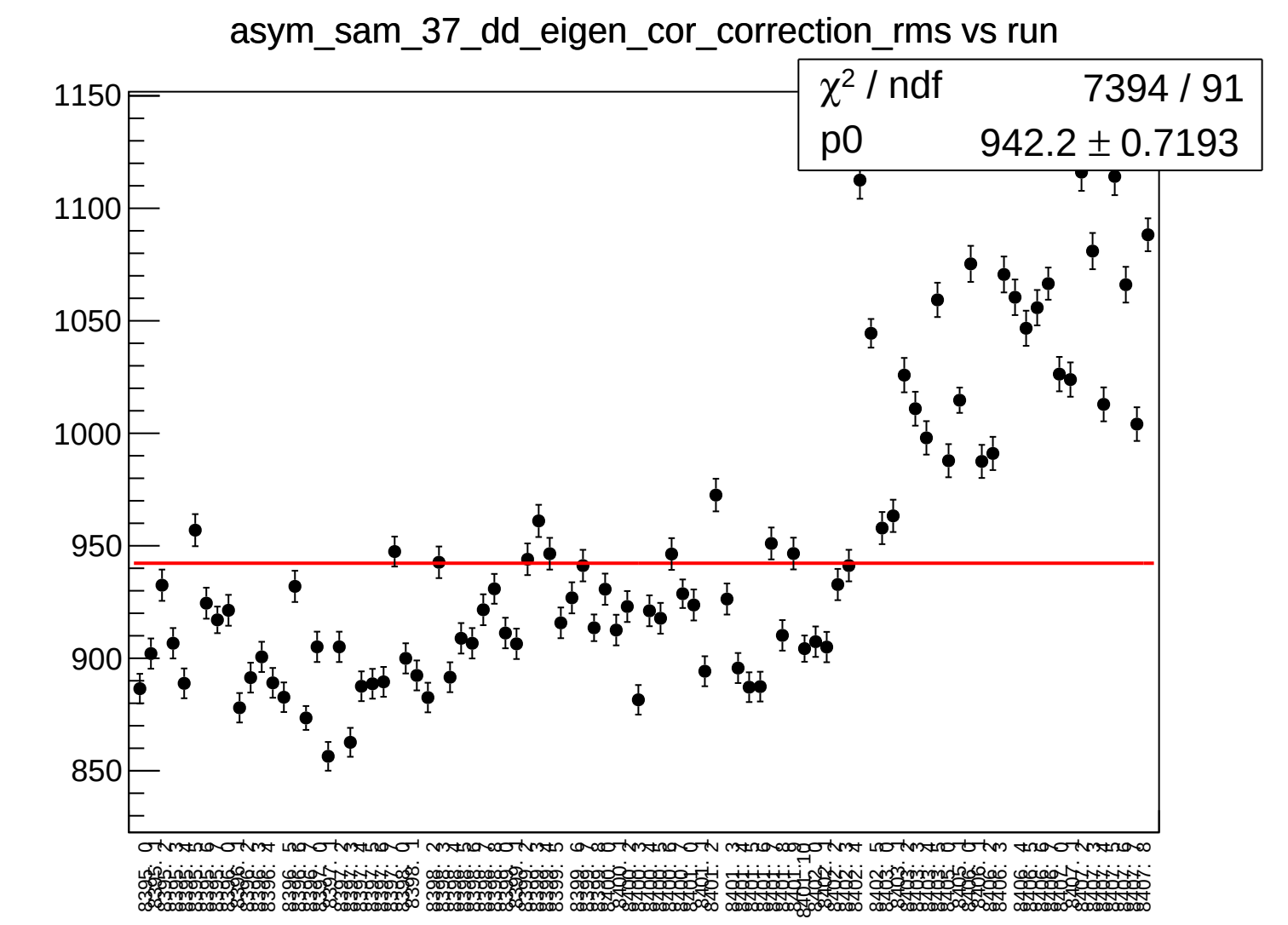

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 81.99 / 91
p0 −268.4 ± 106.5
pull
Entries 92
Mean 107.4
Std Dev 0

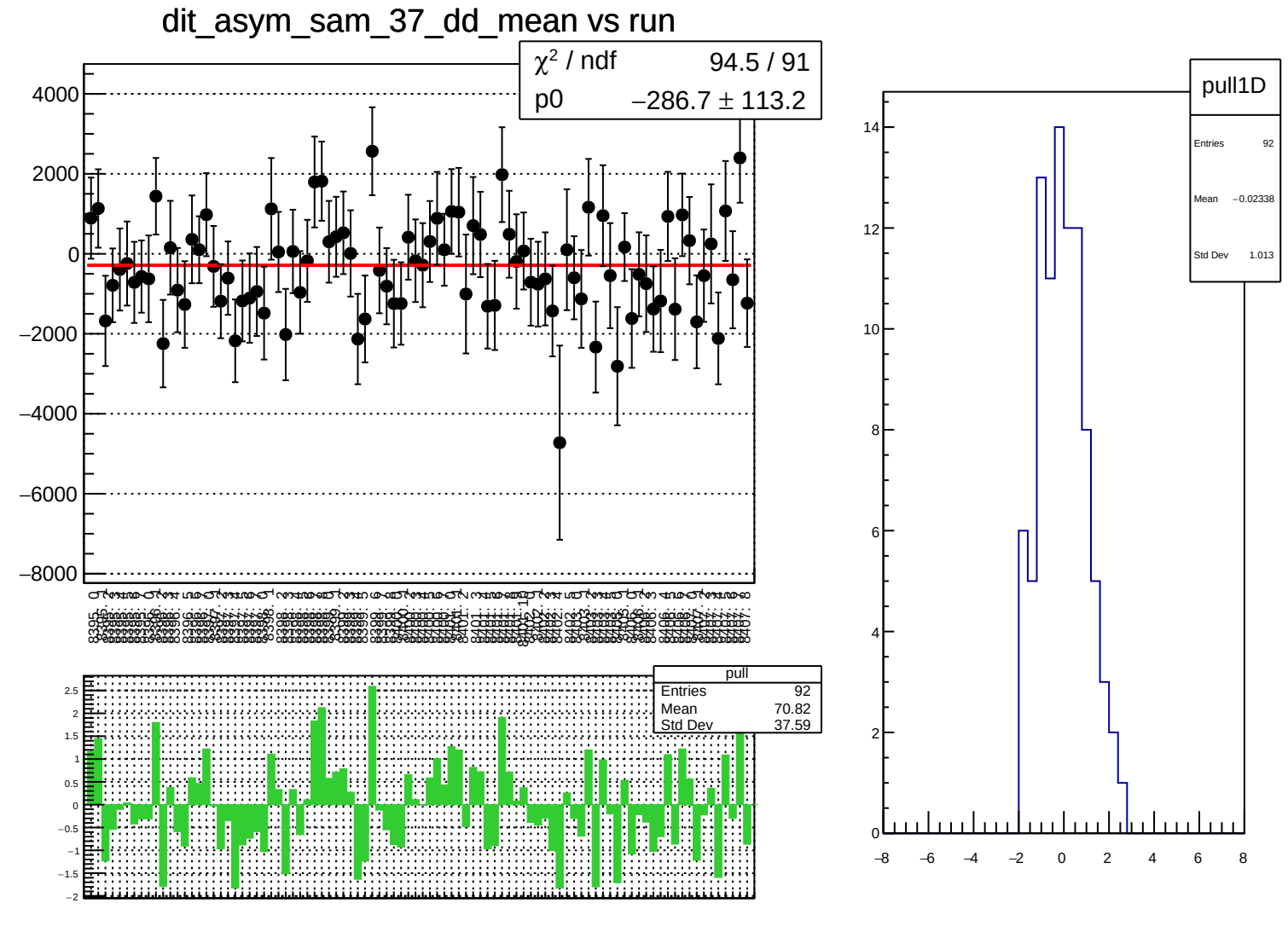

pull1D
Entries 92
Mean −0.01691
Std Dev 0.9439

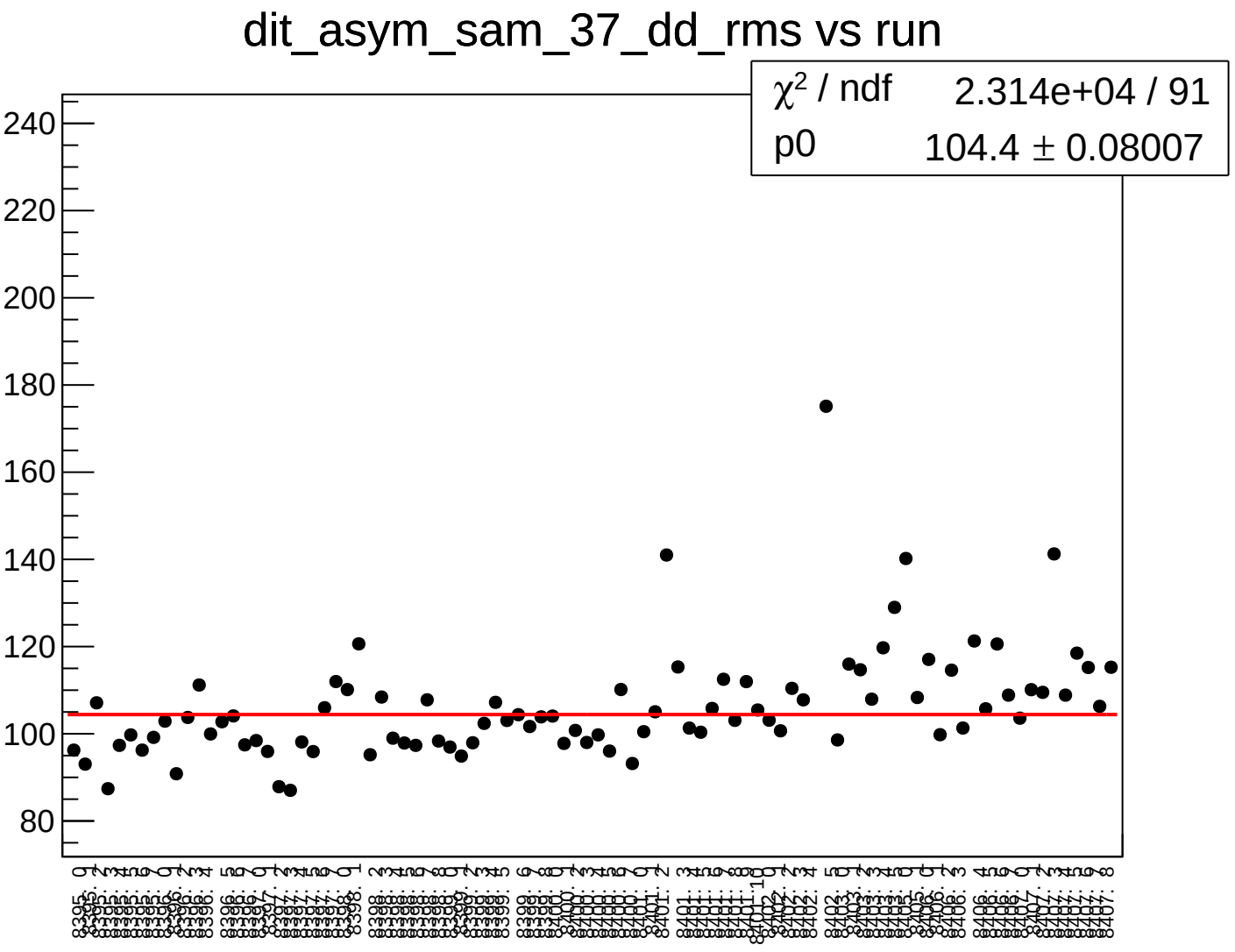

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.382e+04 / 91
p0 98.48 ± 0.07532
140
130
120
110
100
90
80

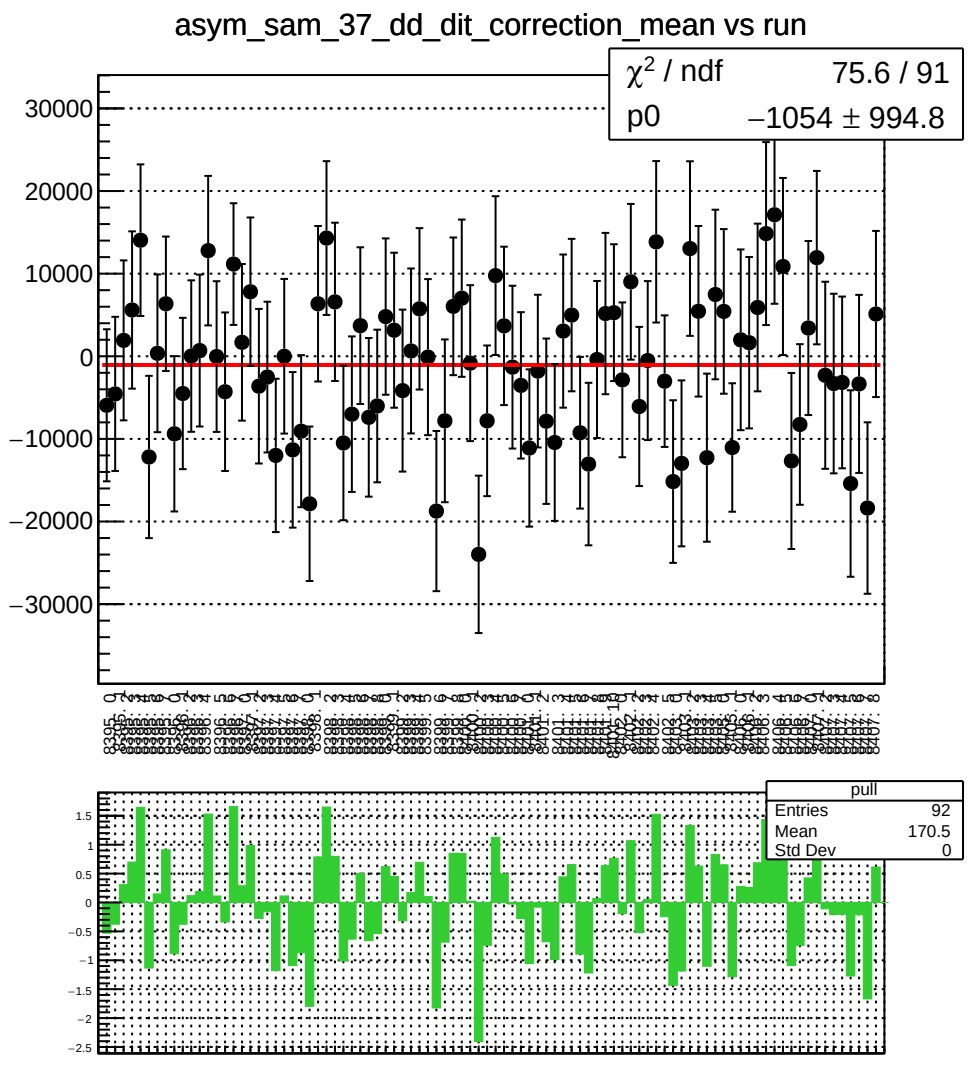

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.11 / 91
p0 −1053 ± 1017
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 440.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

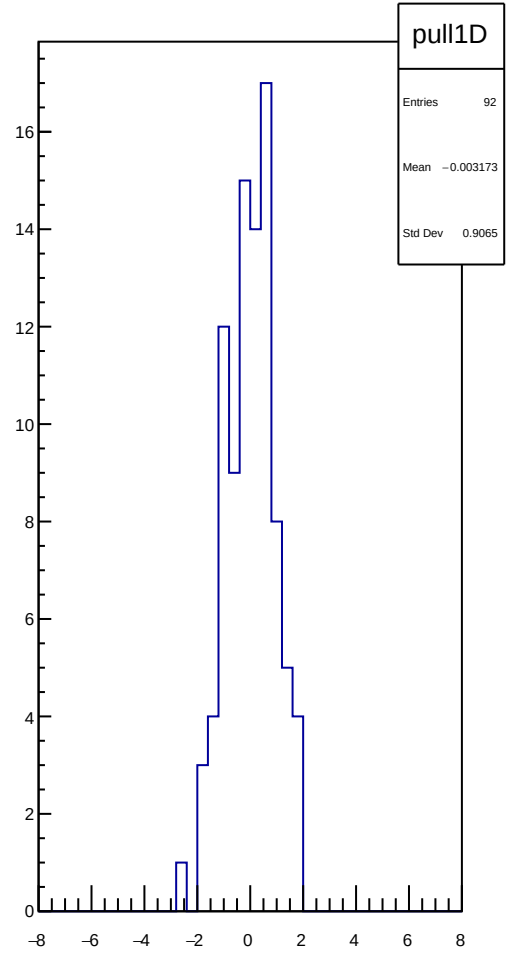

pull1D
Entries 92
Mean −0.001123
Std Dev 0.9095
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

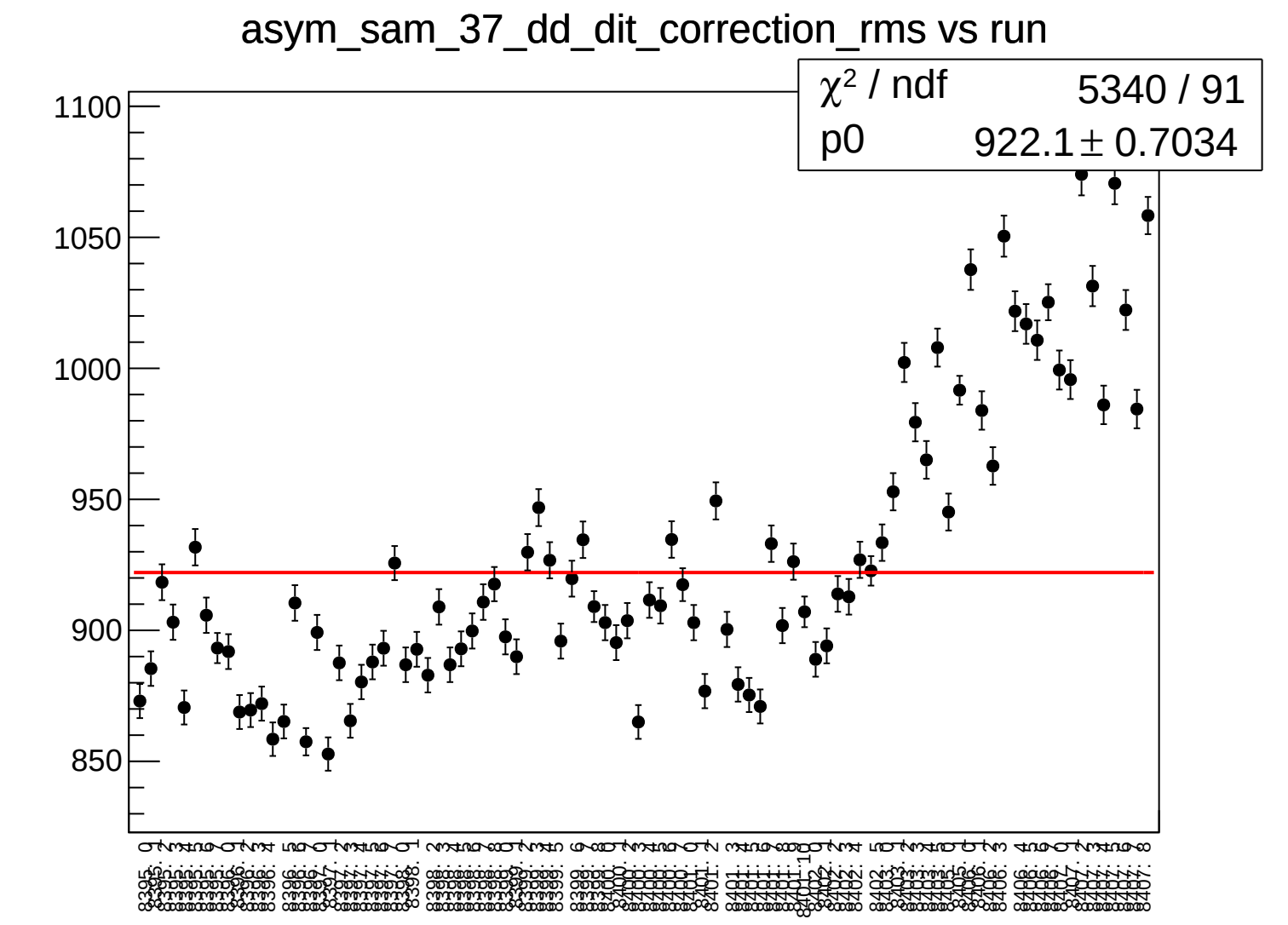

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 7394 / 91
p0 942.2 ± 0.7193
1150
1100
1050
1000
950
900
850

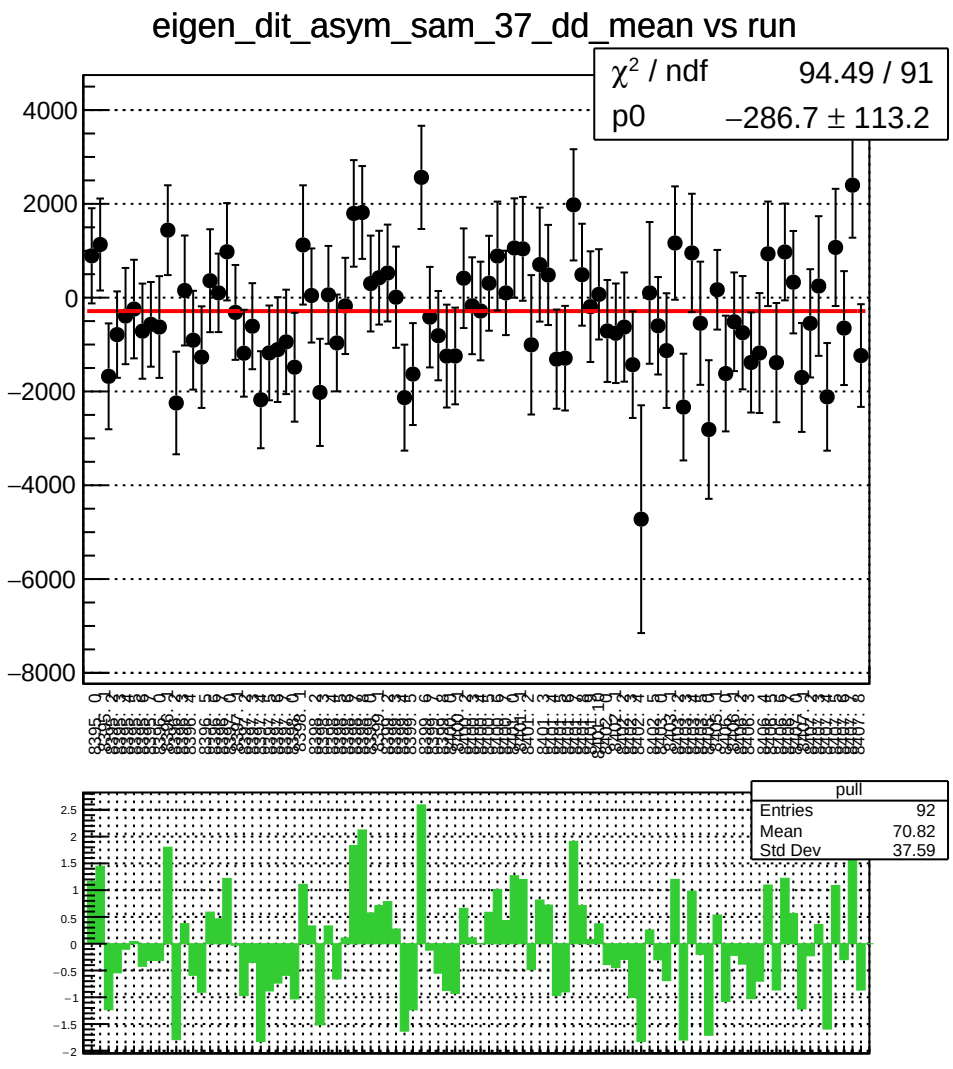

dit_asym_sam_37_dd_mean vs run
χ² / ndf 94.5 / 91
p0 −286.7 ± 113.2
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean 70.82
Std Dev 37.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.02338
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

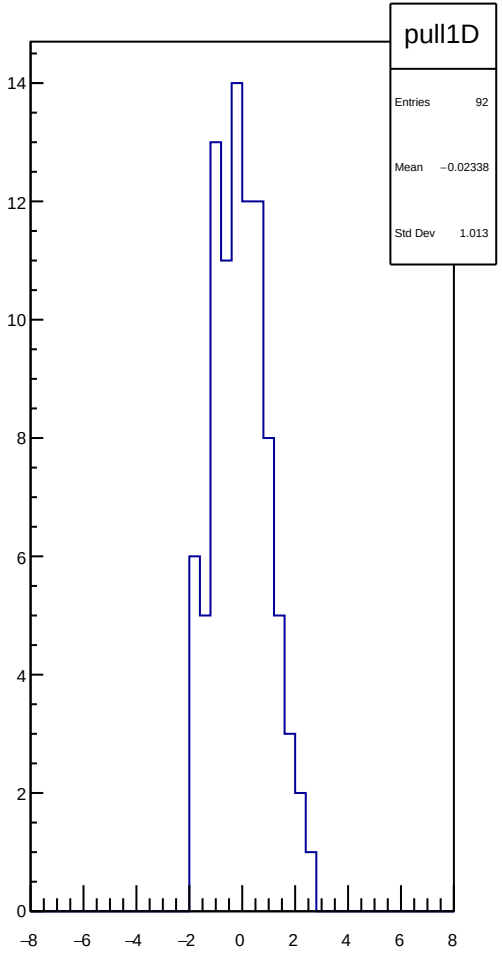

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.314e+04 / 91
p0 104.4 ± 0.08007
240
220
200
180
160
140
120
100
80

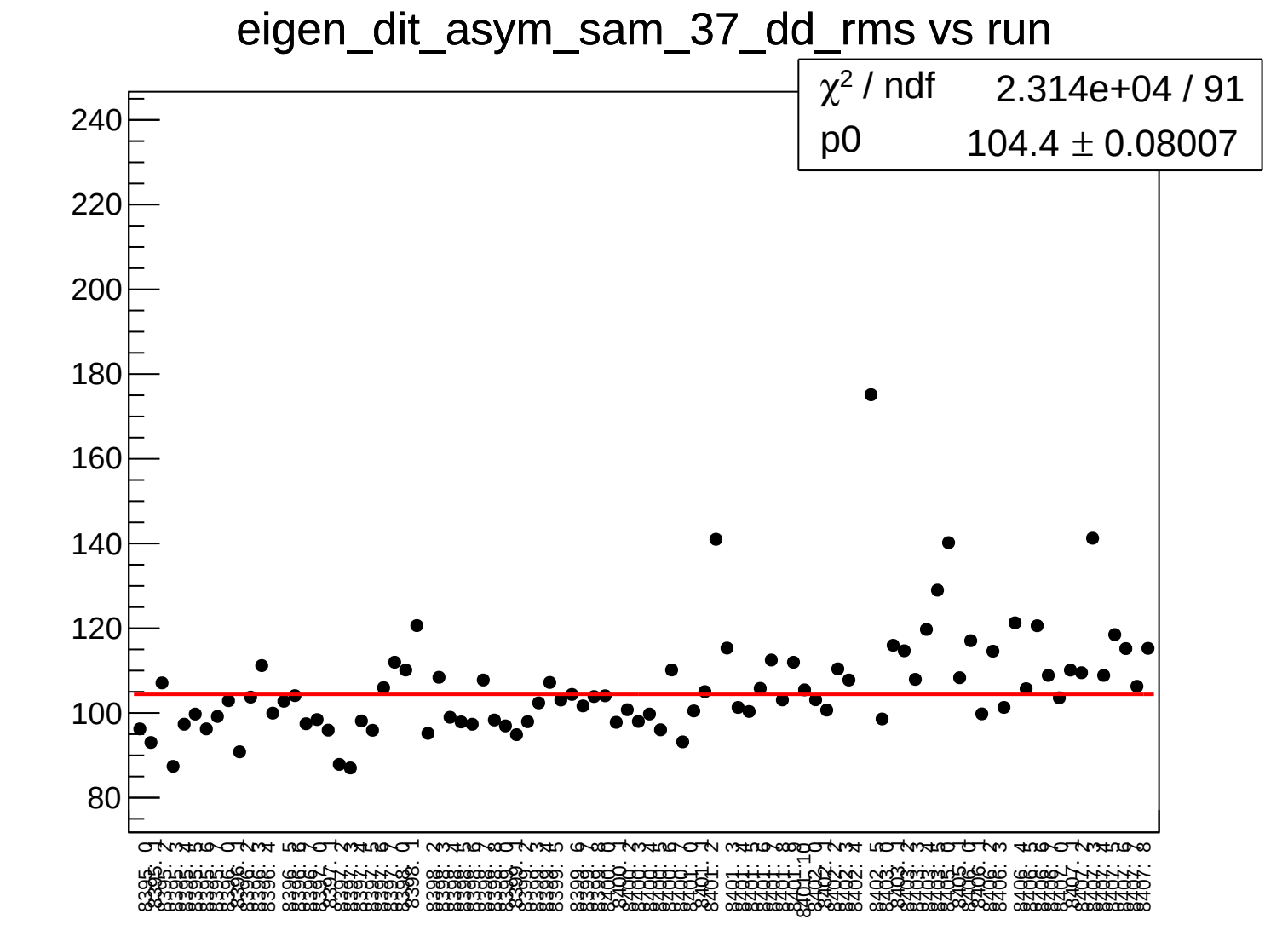

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 75.6 / 91
p0 −1054 ± 994.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 170.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

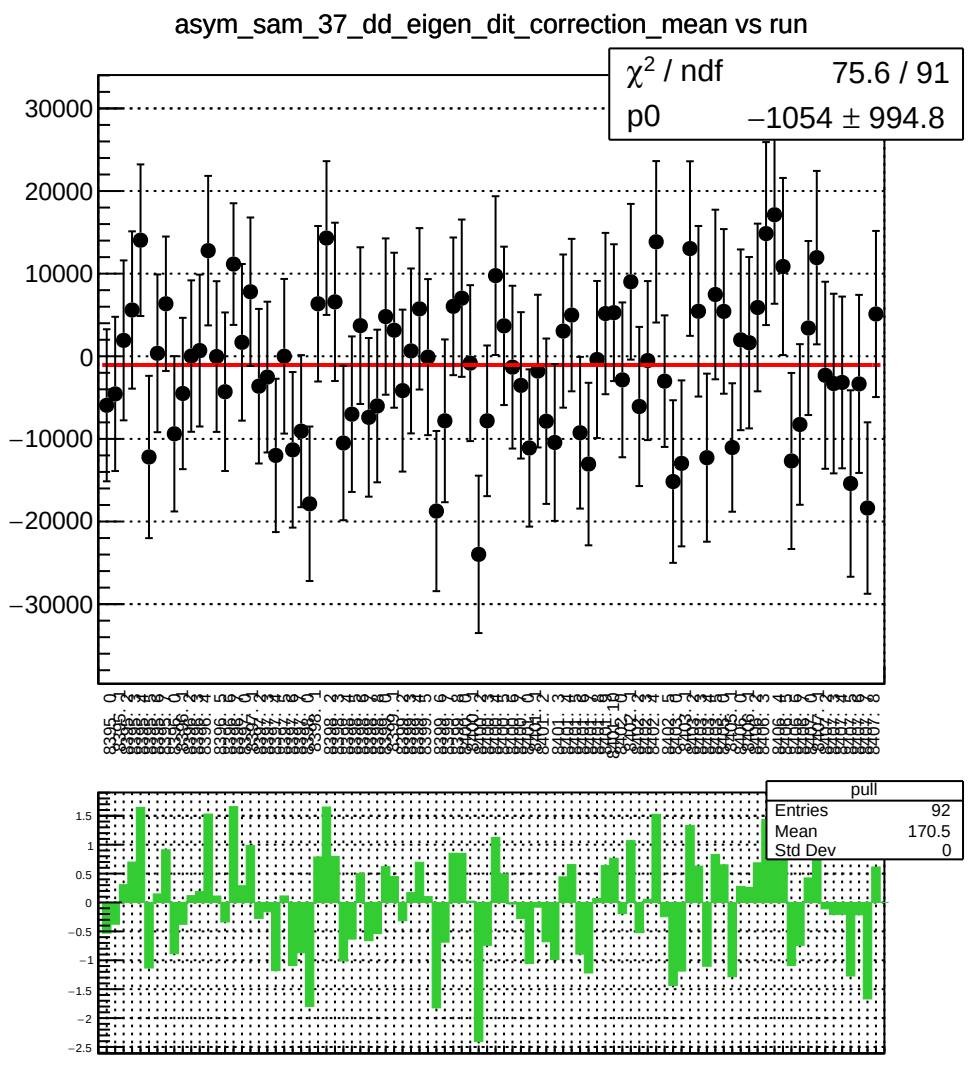

pull1D
Entries 92
Mean −0.003173
Std Dev 0.9065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

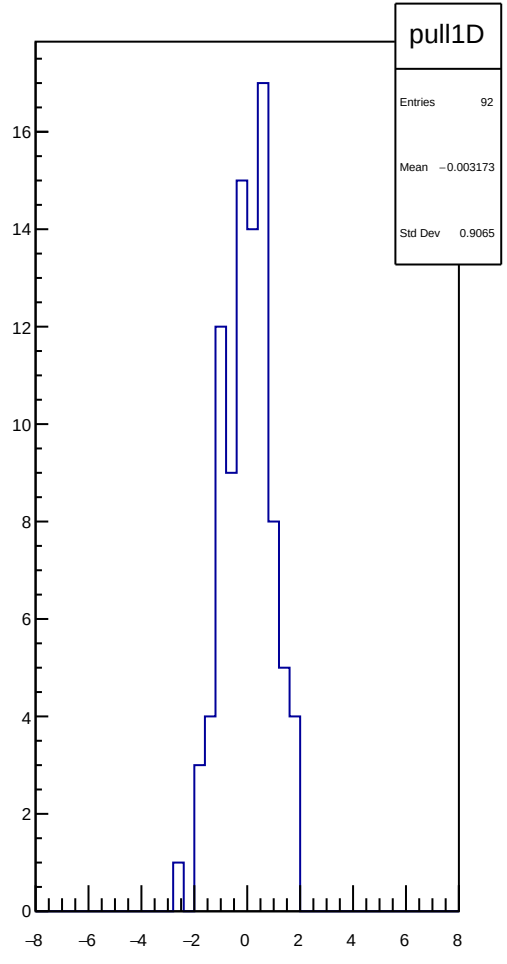

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 5340 / 91
p0 922.1 ± 0.7034
1100
1050
1000
950
900
850

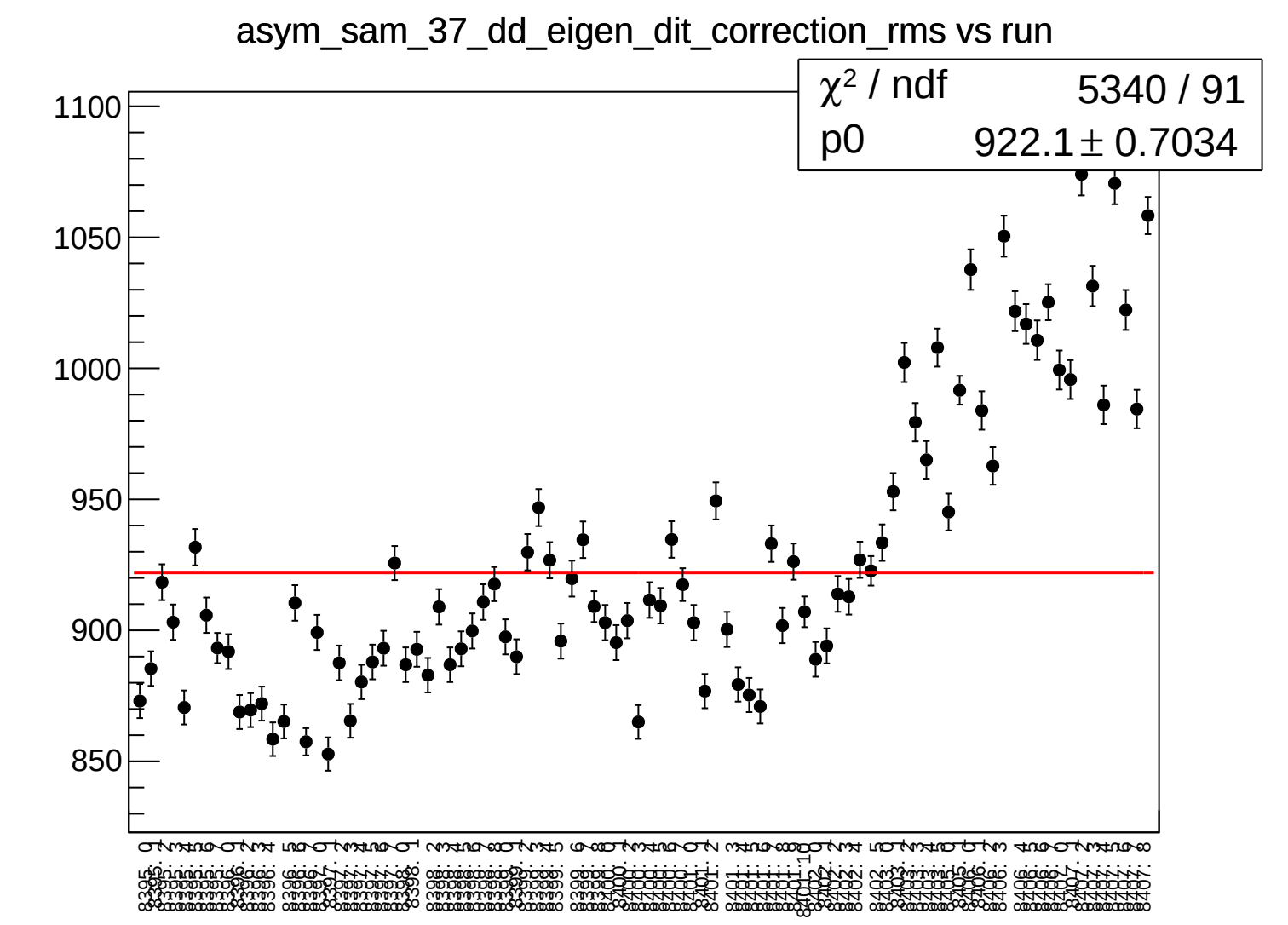

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 94.49 / 91
p0 −286.7 ± 113.2
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean 70.82
Std Dev 37.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

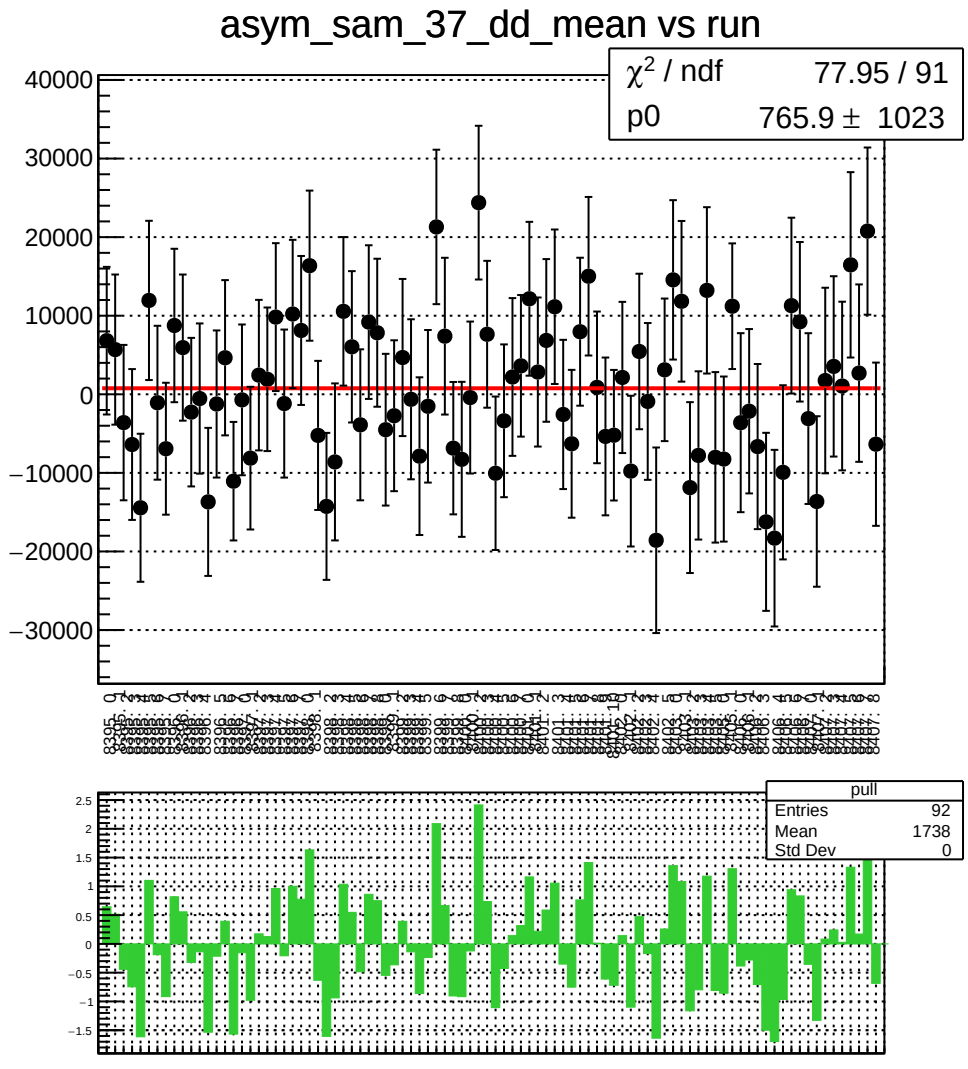

pull1D
Entries 92
Mean −0.02338
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

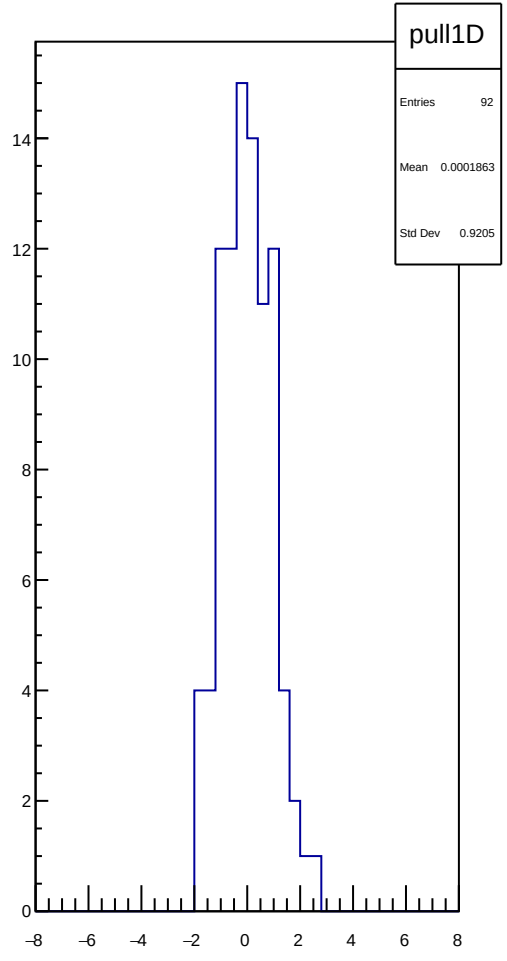

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.314e+04 / 91
p0 104.4 ± 0.08007
240
220
200
180
160
140
120
100
80

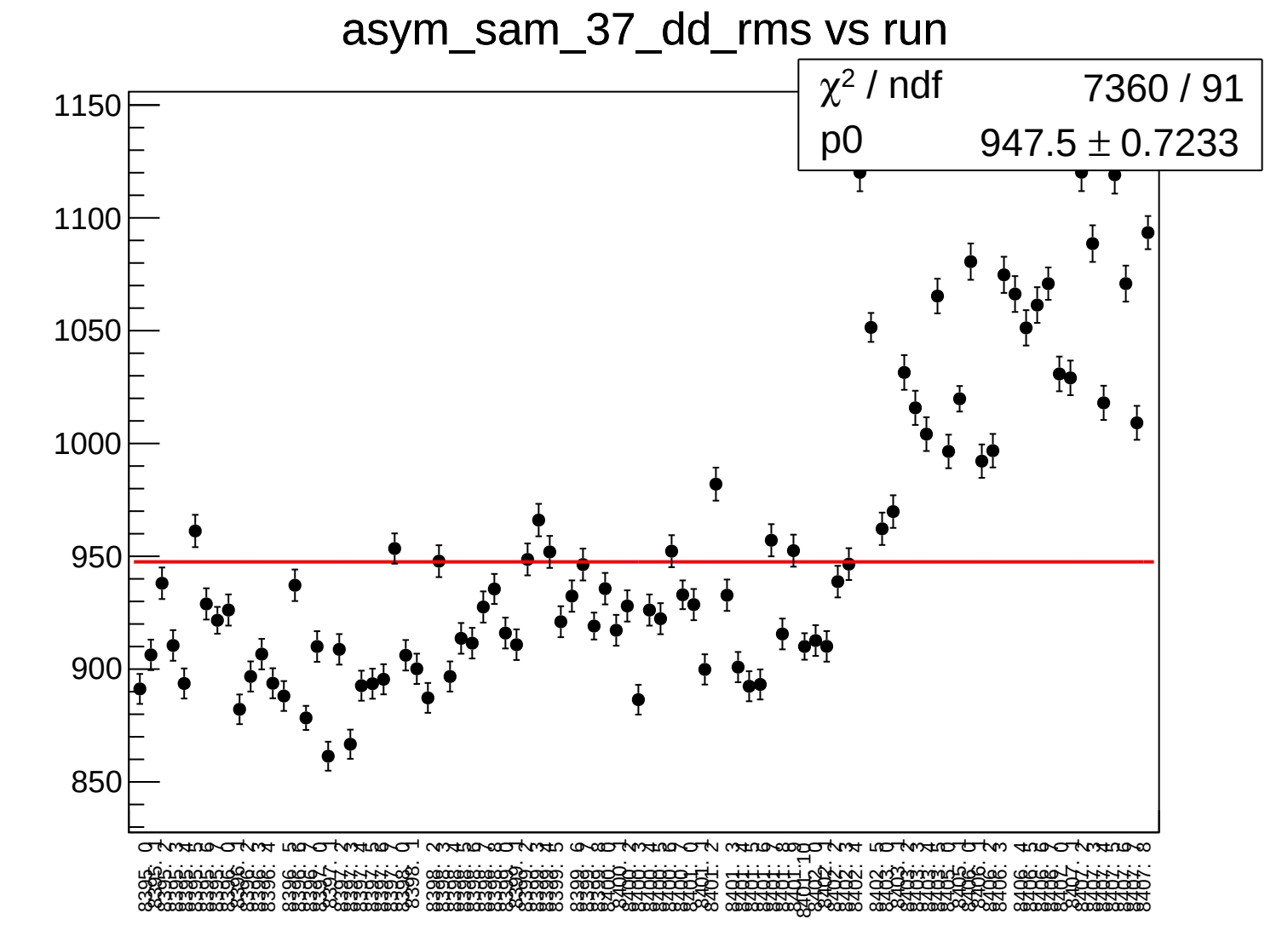

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.6 / 91
p0 −1054 ± 994.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 170.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

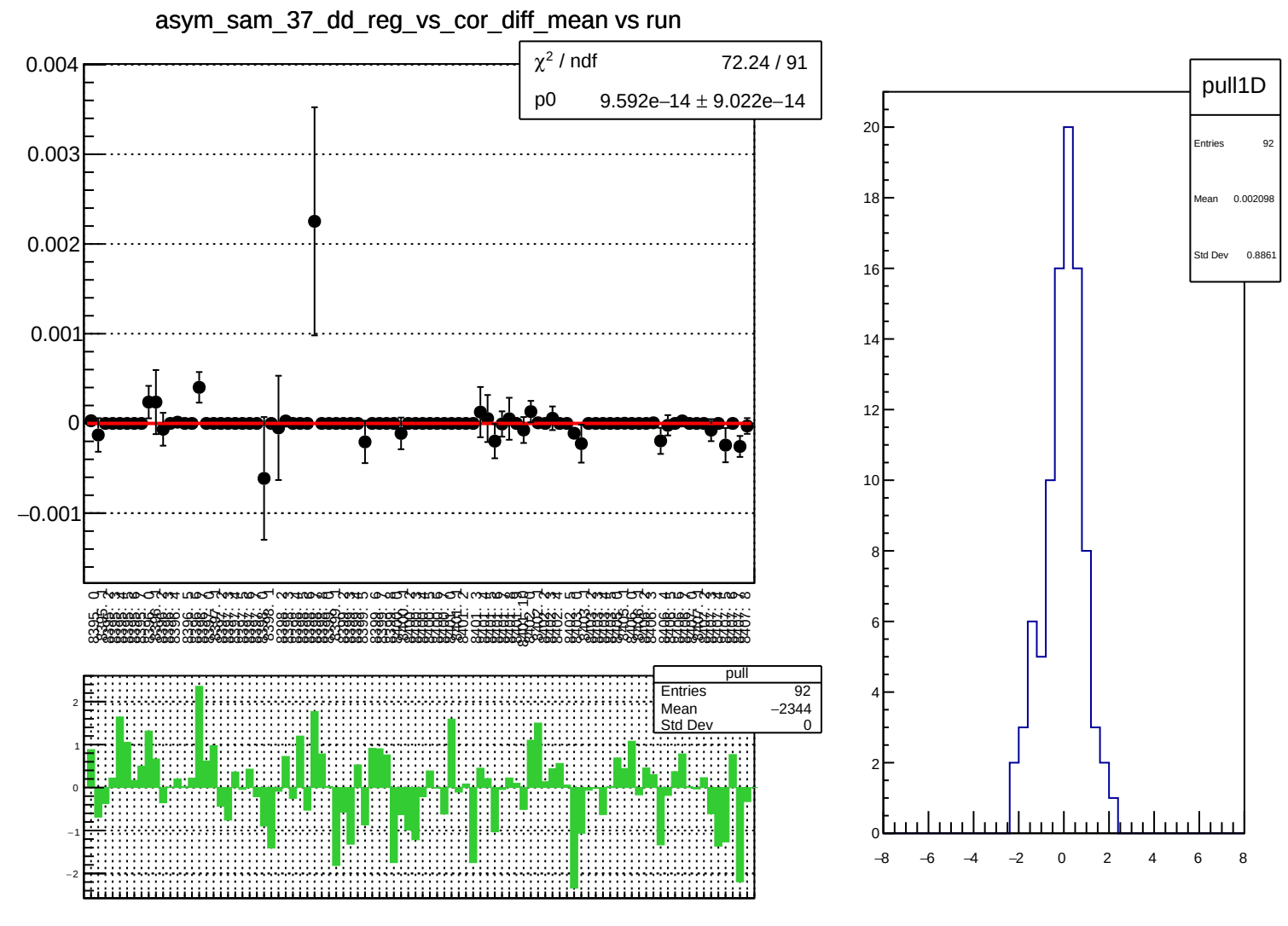

pull1D
Entries 92
Mean −0.003173
Std Dev 0.9065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

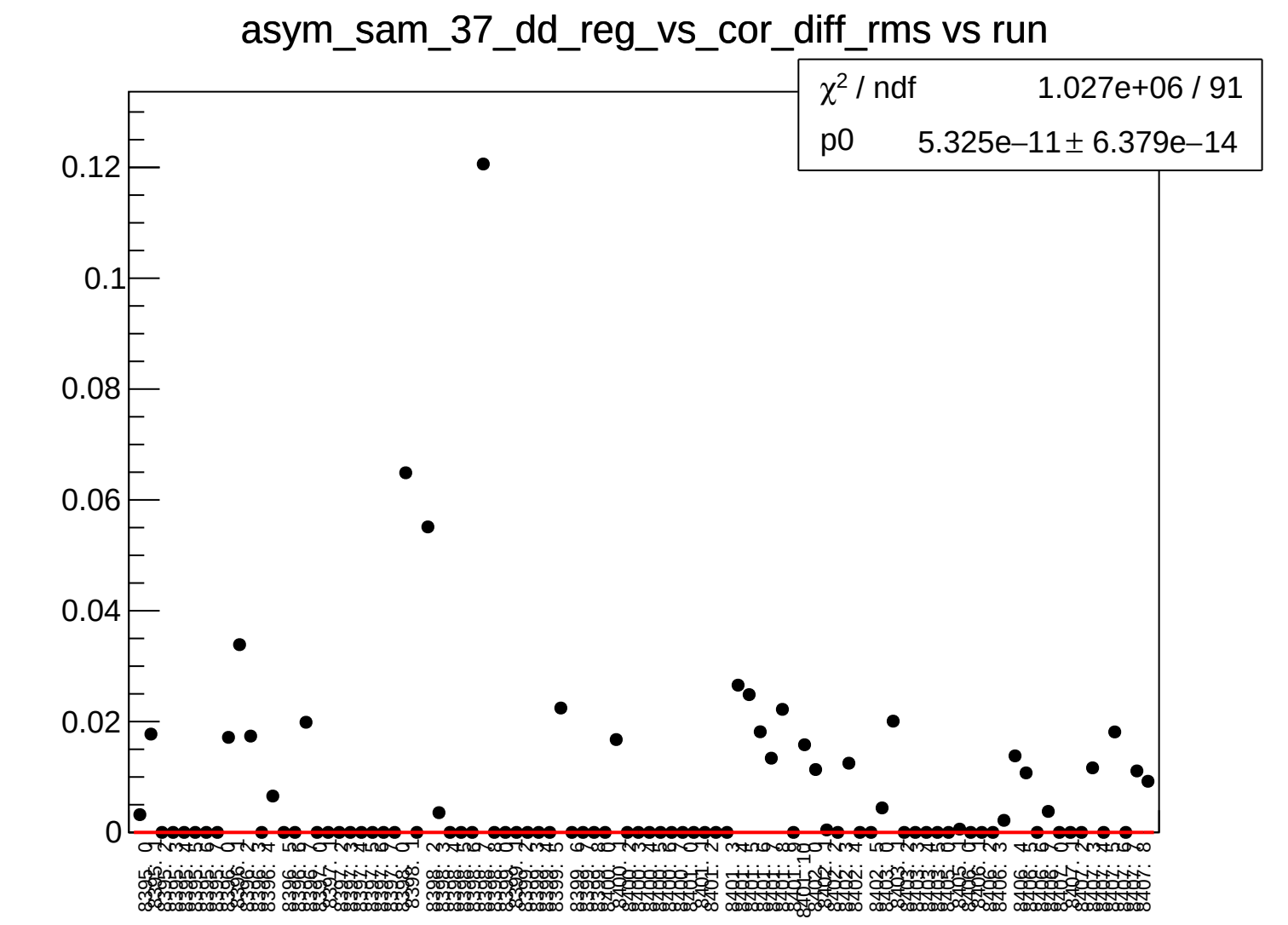

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 5340 / 91
p0 922.1 ± 0.7034
1100
1050
1000
950
900
850

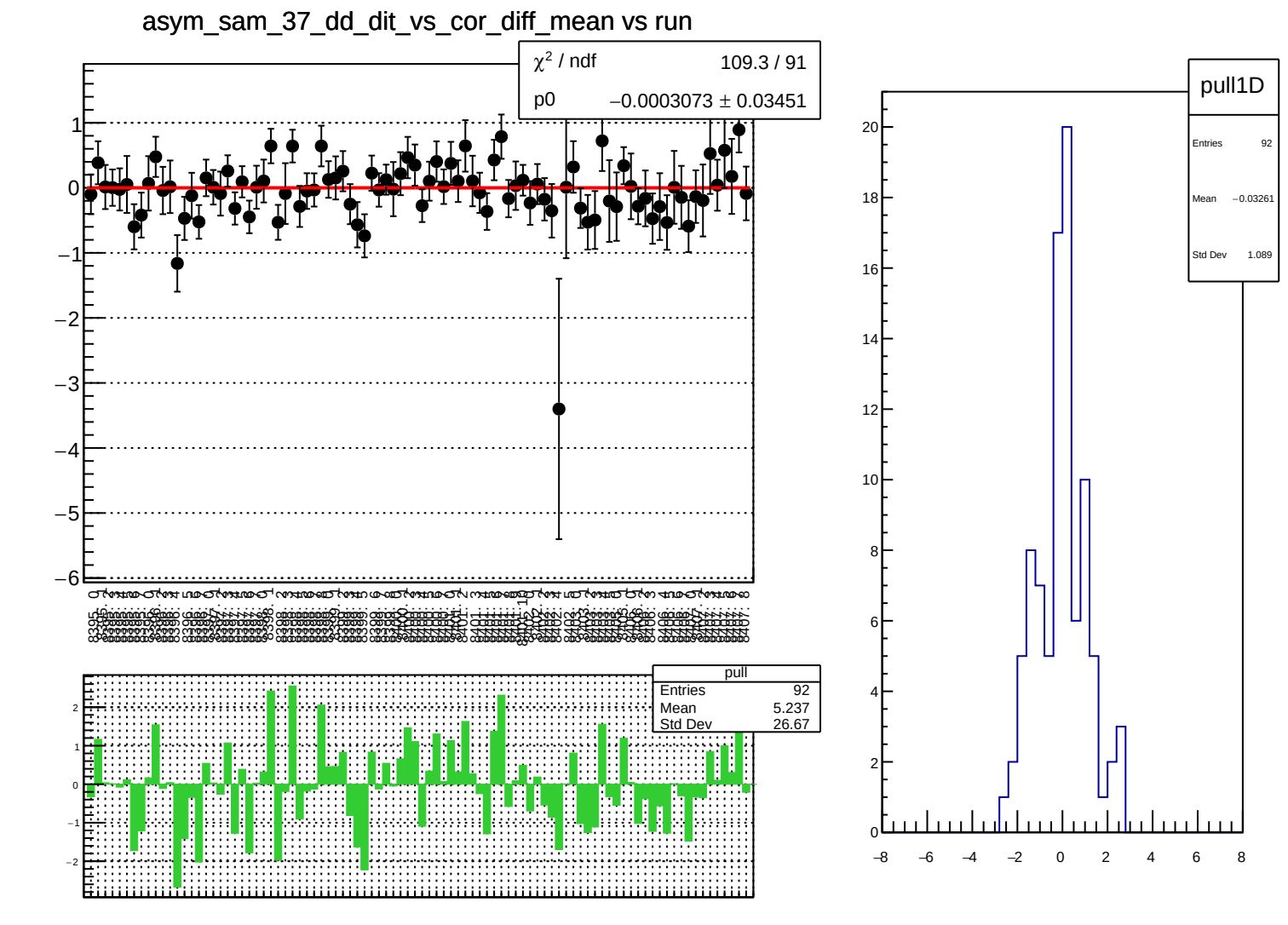

asym_sam_37_dd_mean vs run
χ² / ndf 77.95 / 91
p0 765.9 ± 1023
pull
Entries 92
Mean 1738
Std Dev 0

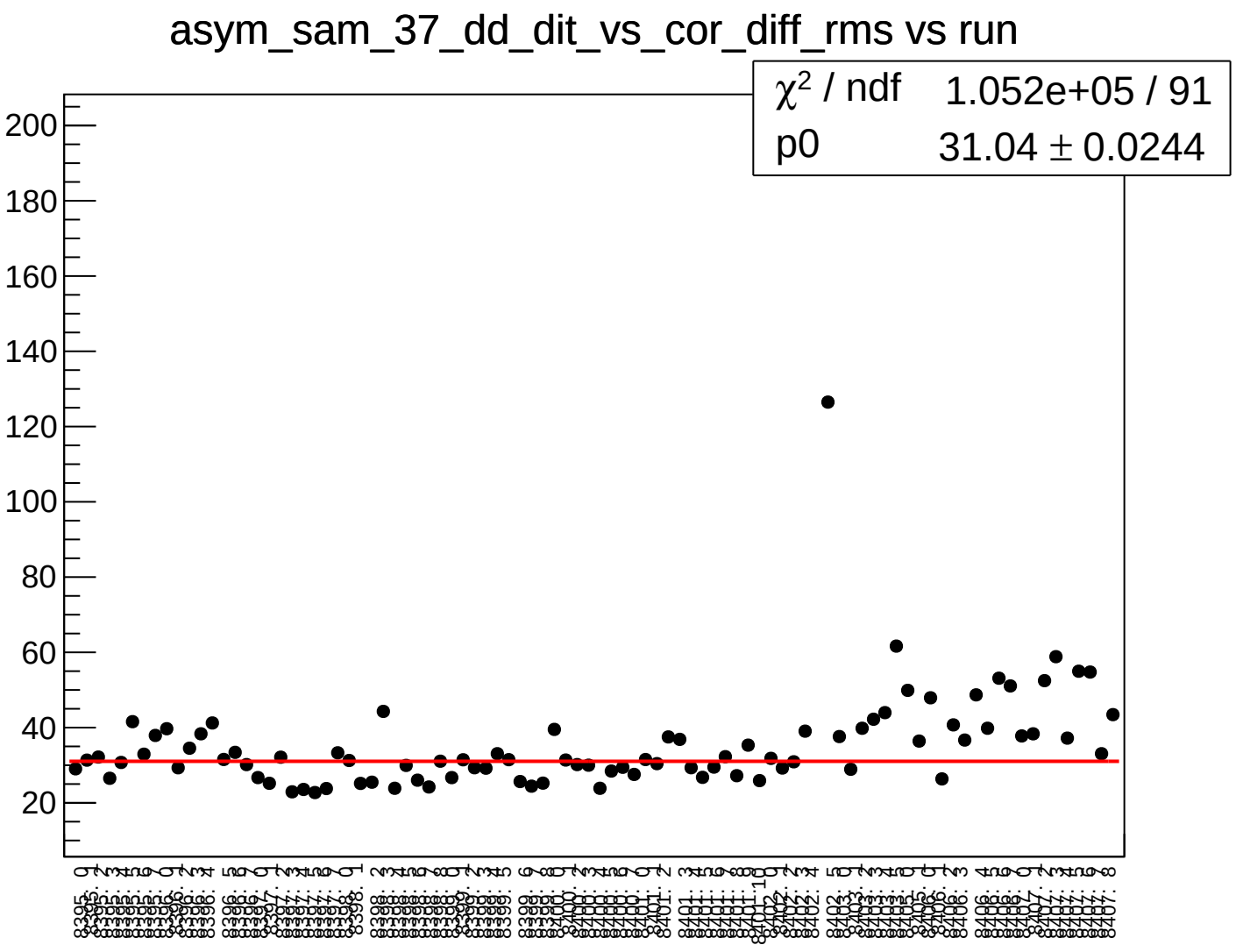

pull1D
Entries 92
Mean 0.0001863
Std Dev 0.9205

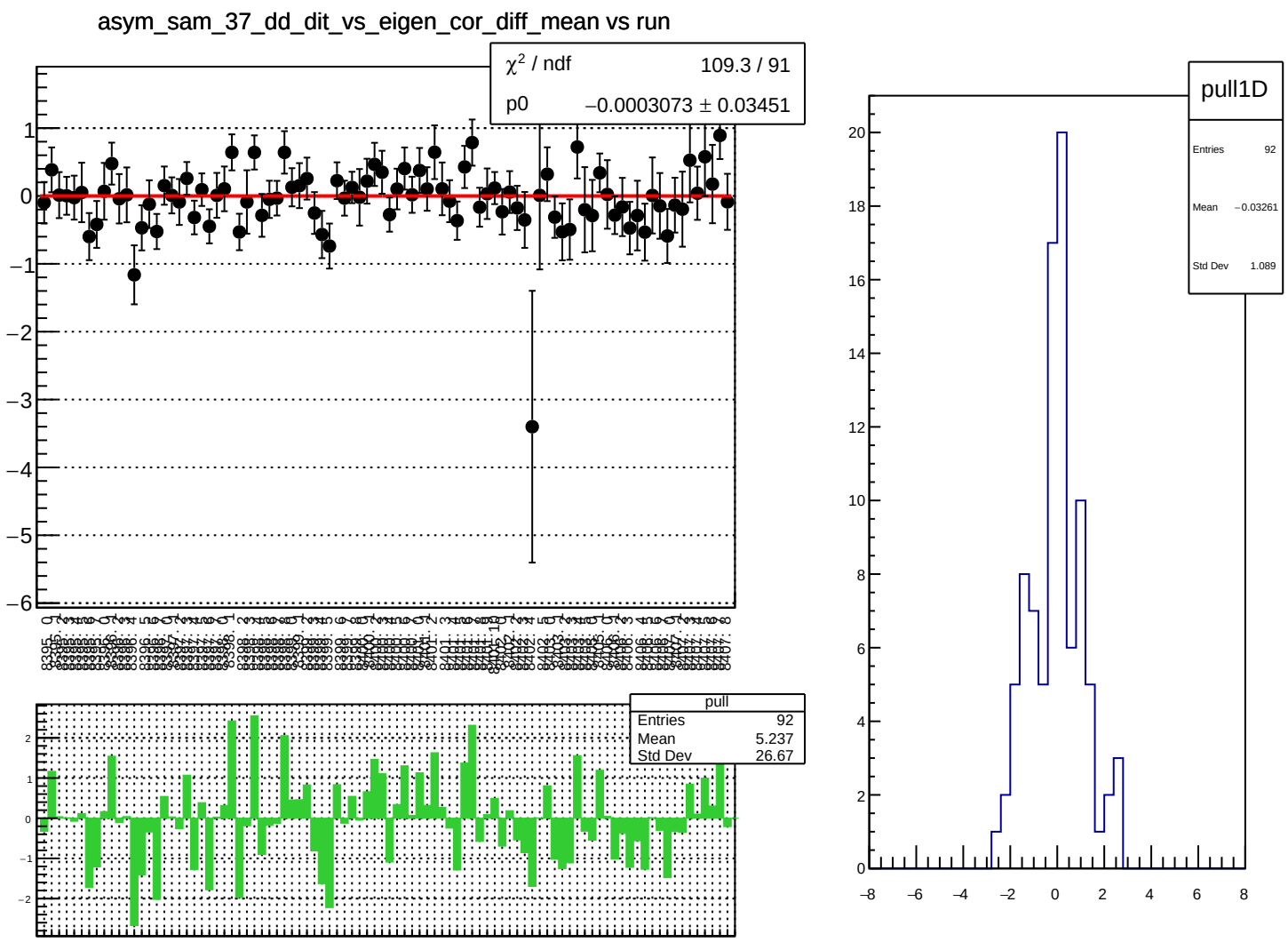

asym_sam_37_dd_rms vs run
χ² / ndf 7360 / 91
p0 947.5 ± 0.7233
1150
1100
1050
1000
950
900
850

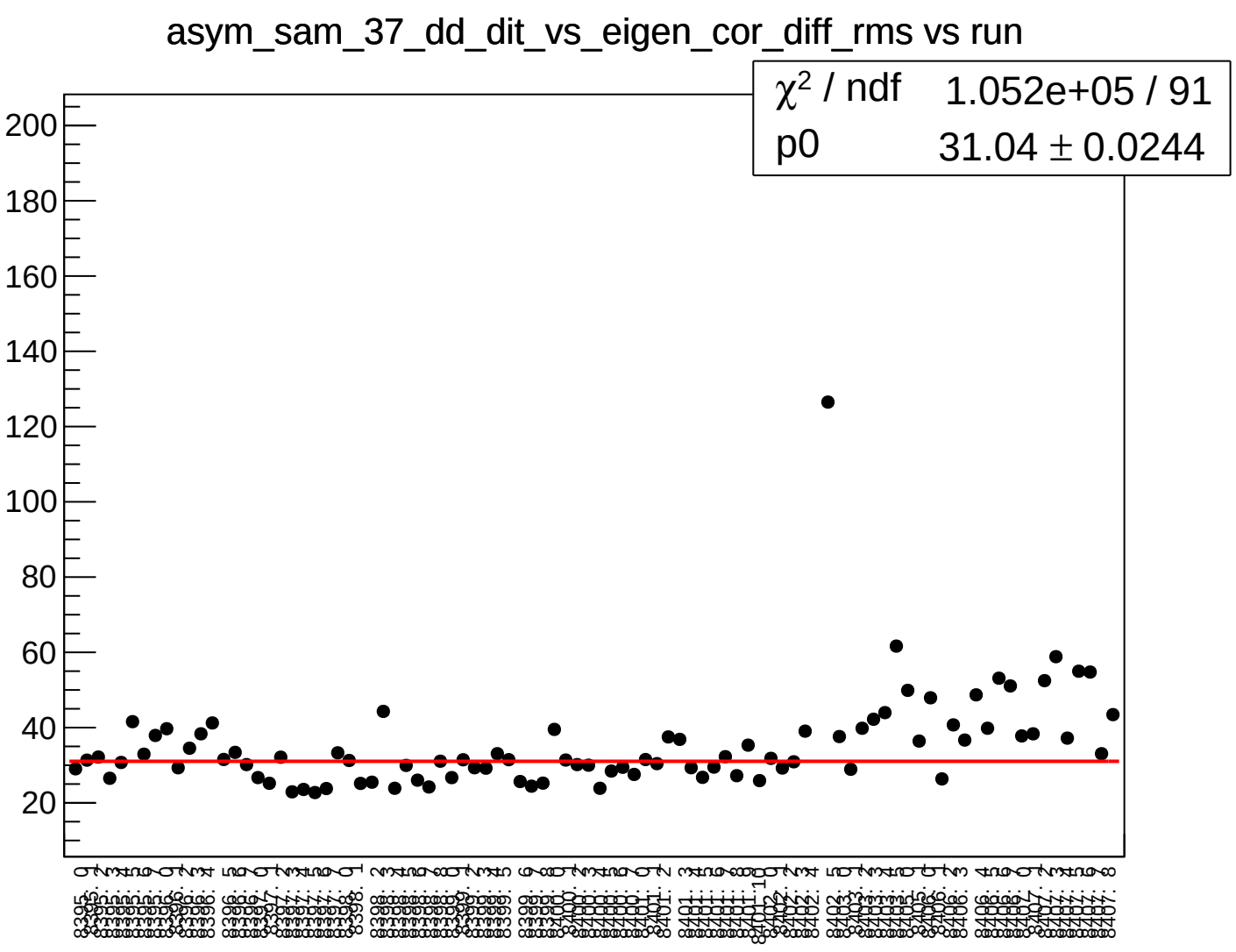

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 72.24 / 91
p0 9.592e−14 ± 9.022e−14
0.004
0.003
0.002
0.001
0
−0.001
pull
Entries 92
Mean −2344
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.002098
Std Dev 0.8861
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

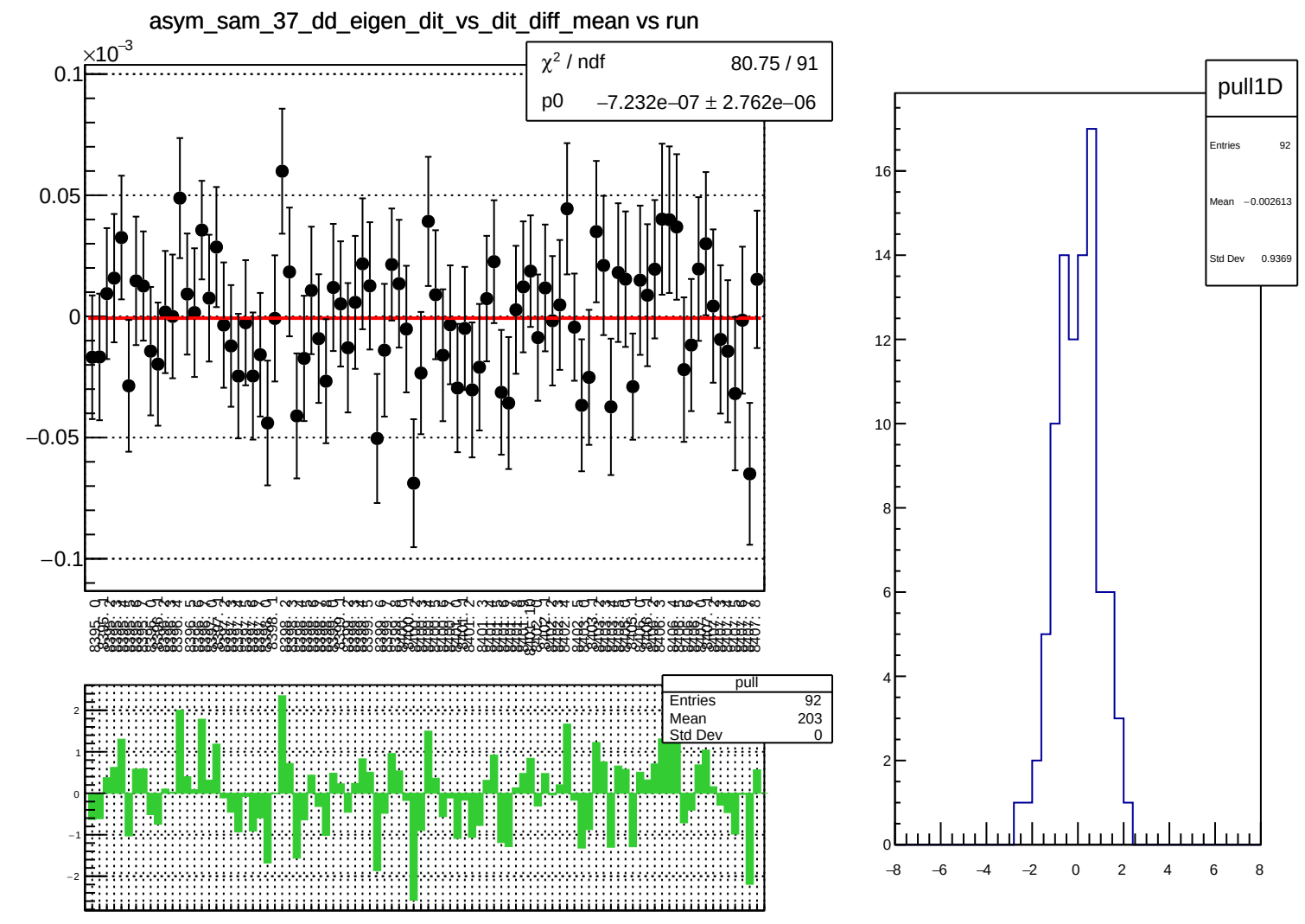

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.027e+06 / 91
p0 5.325e−11 ± 6.379e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

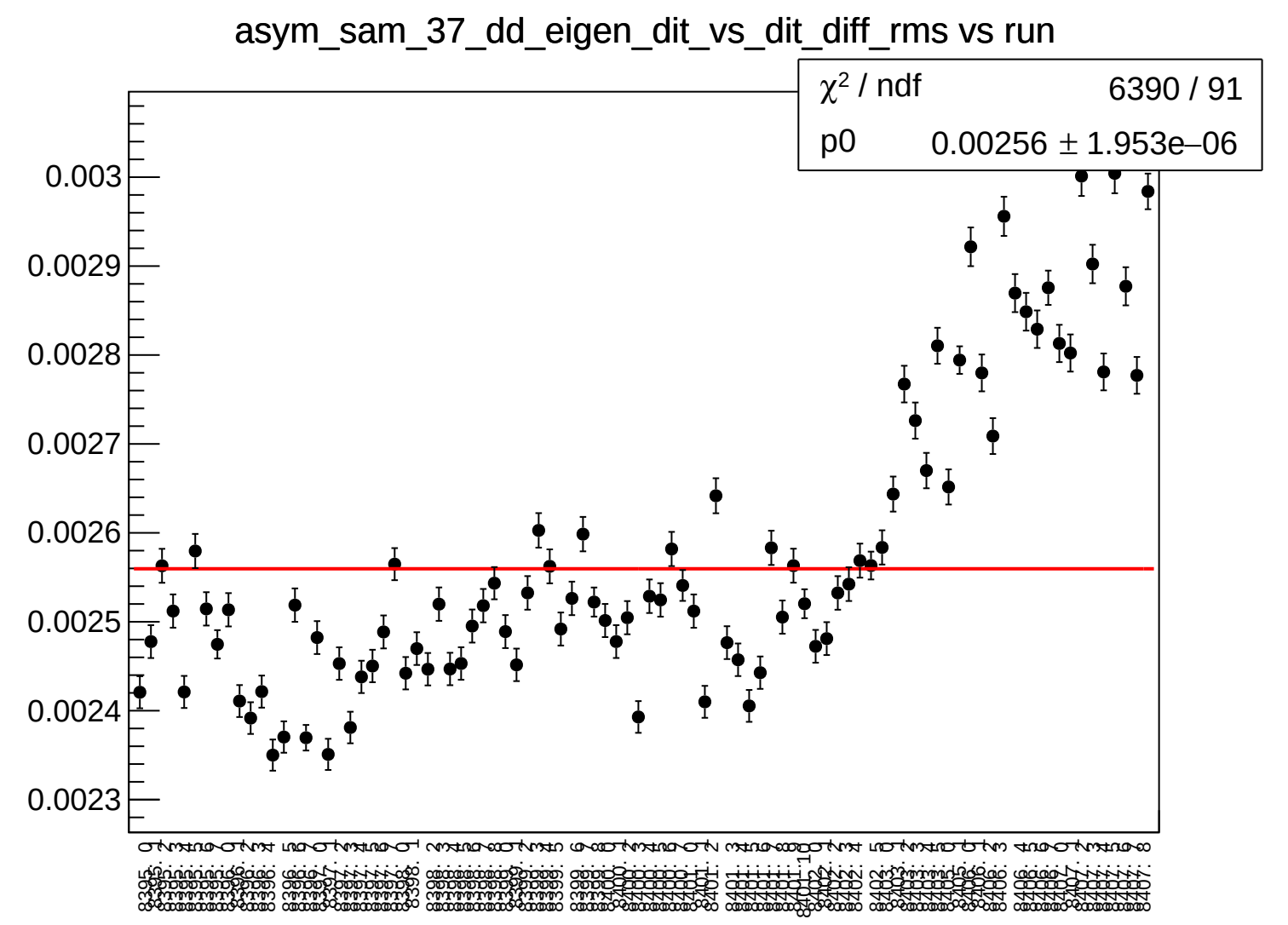

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 109.3 / 91
p0 −0.0003073 ± 0.03451
pull
Entries 92
Mean 5.237
Std Dev 26.67
pull1D
Entries 92
Mean −0.03261
Std Dev 1.089

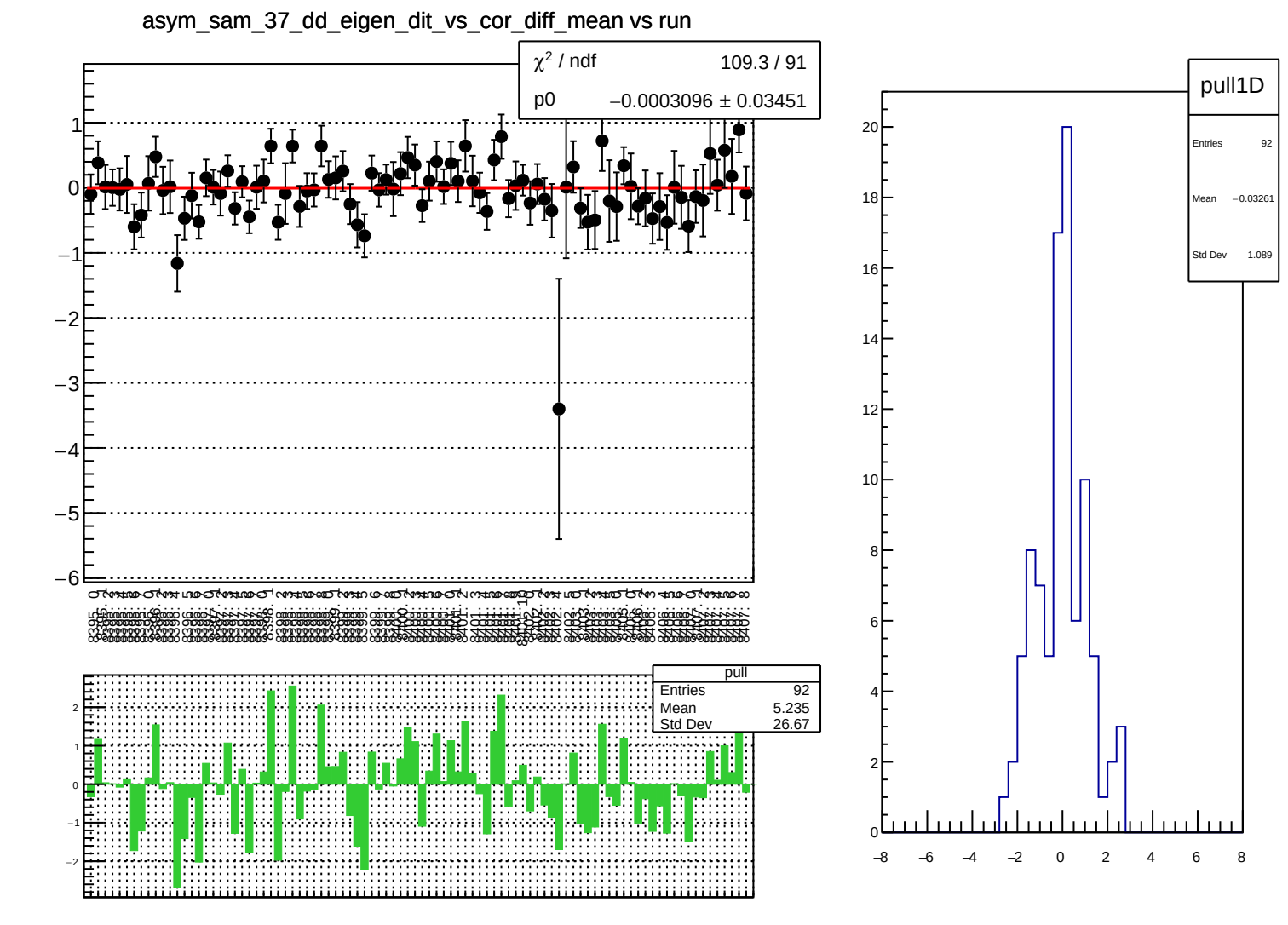

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 91
p0 31.04 ± 0.0244
200
180
160
140
120
100
80
60
40
20

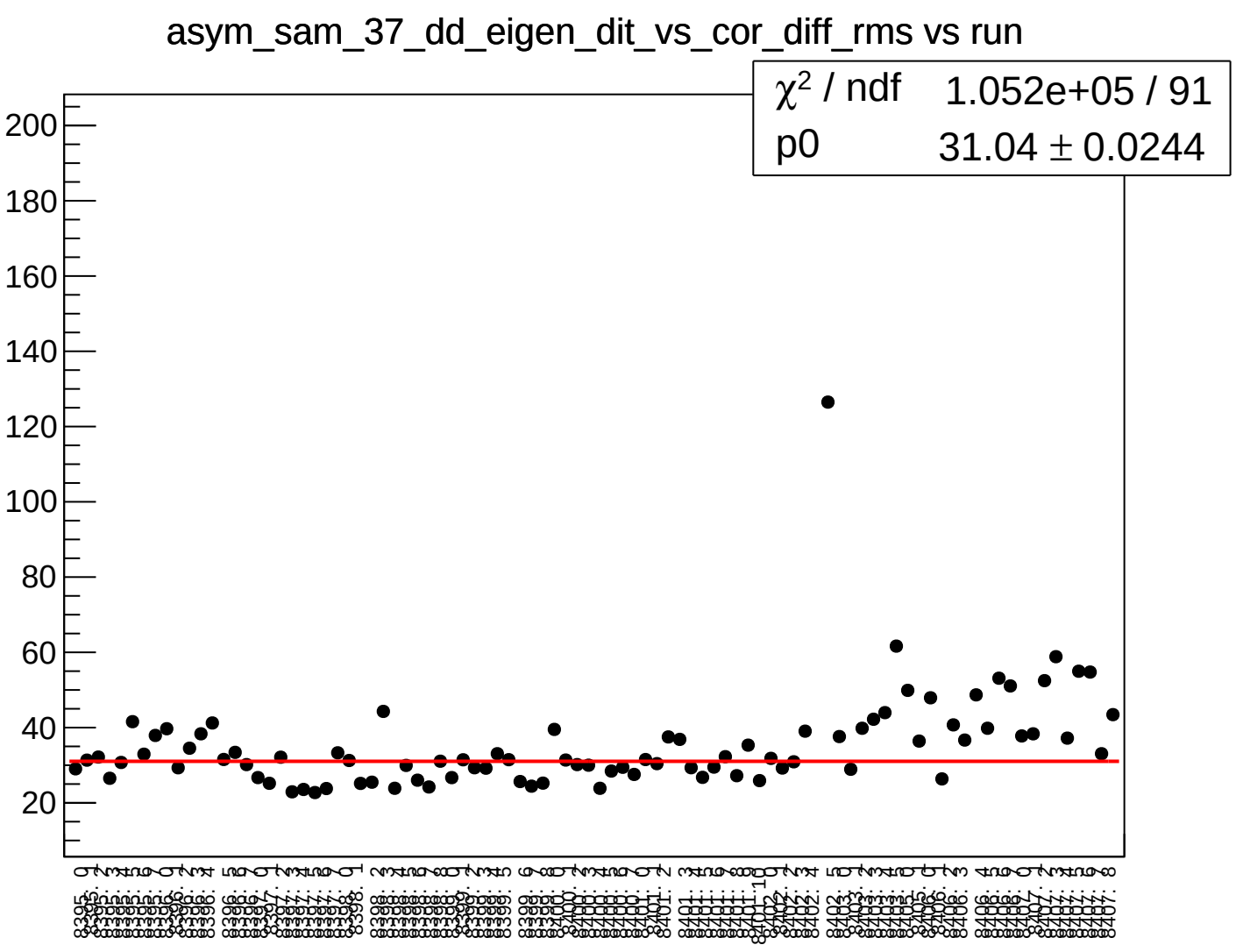

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.3 / 91
p0 −0.0003073 ± 0.03451
pull
Entries 92
Mean 5.237
Std Dev 26.67
pull1D
Entries 92
Mean −0.03261
Std Dev 1.089

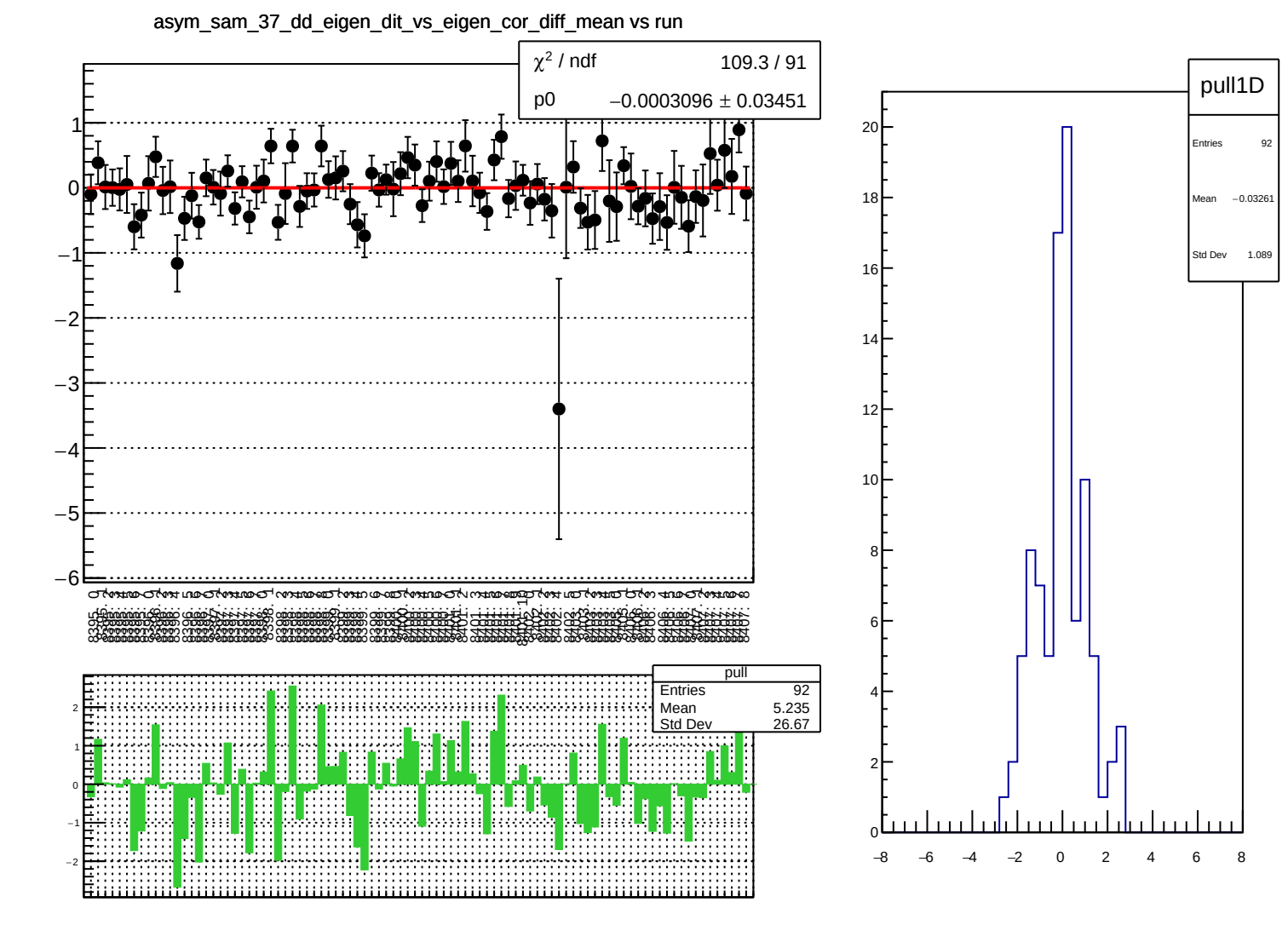

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 91
p0 31.04 ± 0.0244
200
180
160
140
120
100
80
60
40
20

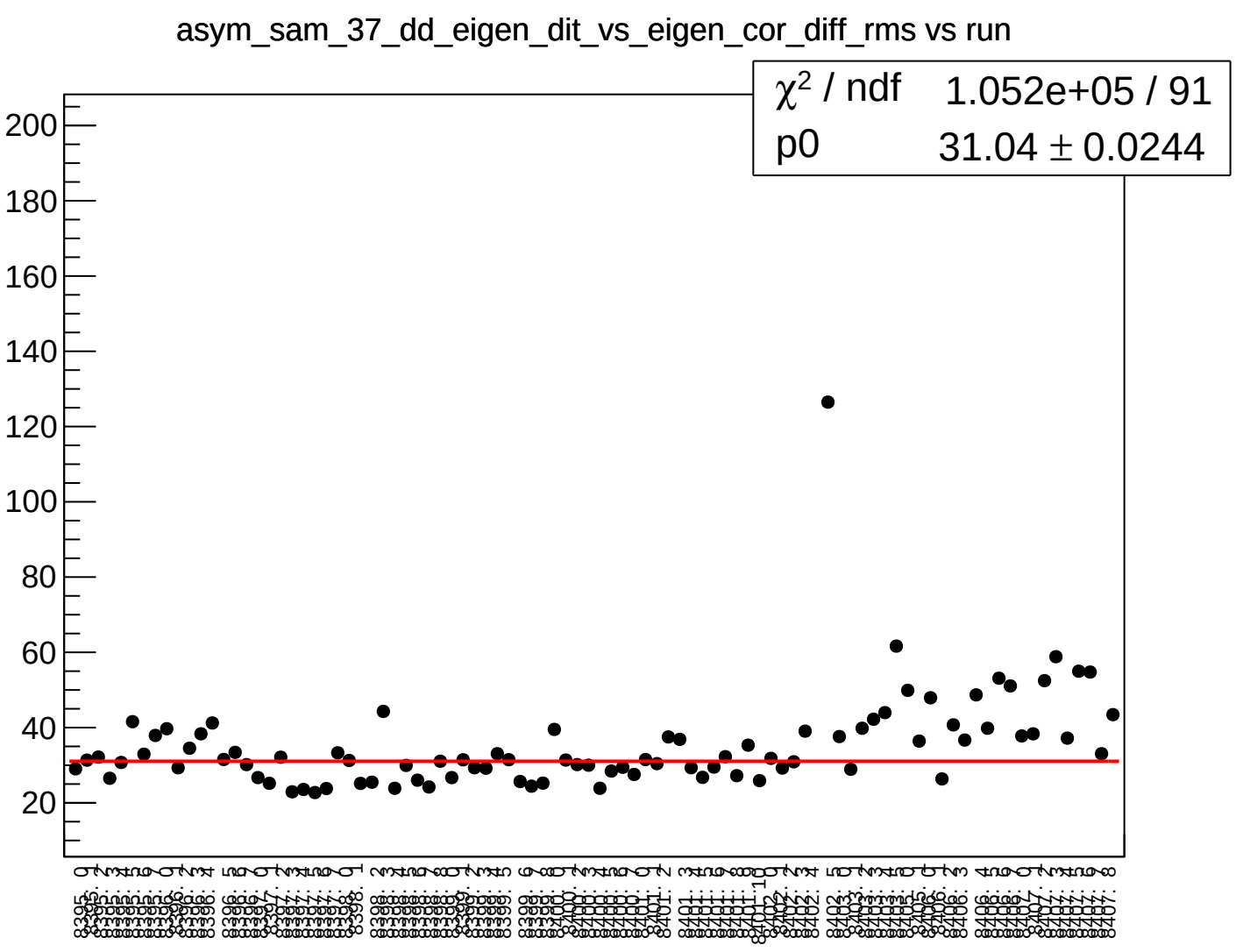

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 80.75 / 91
p0 −7.232e−07 ± 2.762e−06
pull
Entries 92
Mean 203
Std Dev 0
pull1D
Entries 92
Mean −0.002613
Std Dev 0.9369

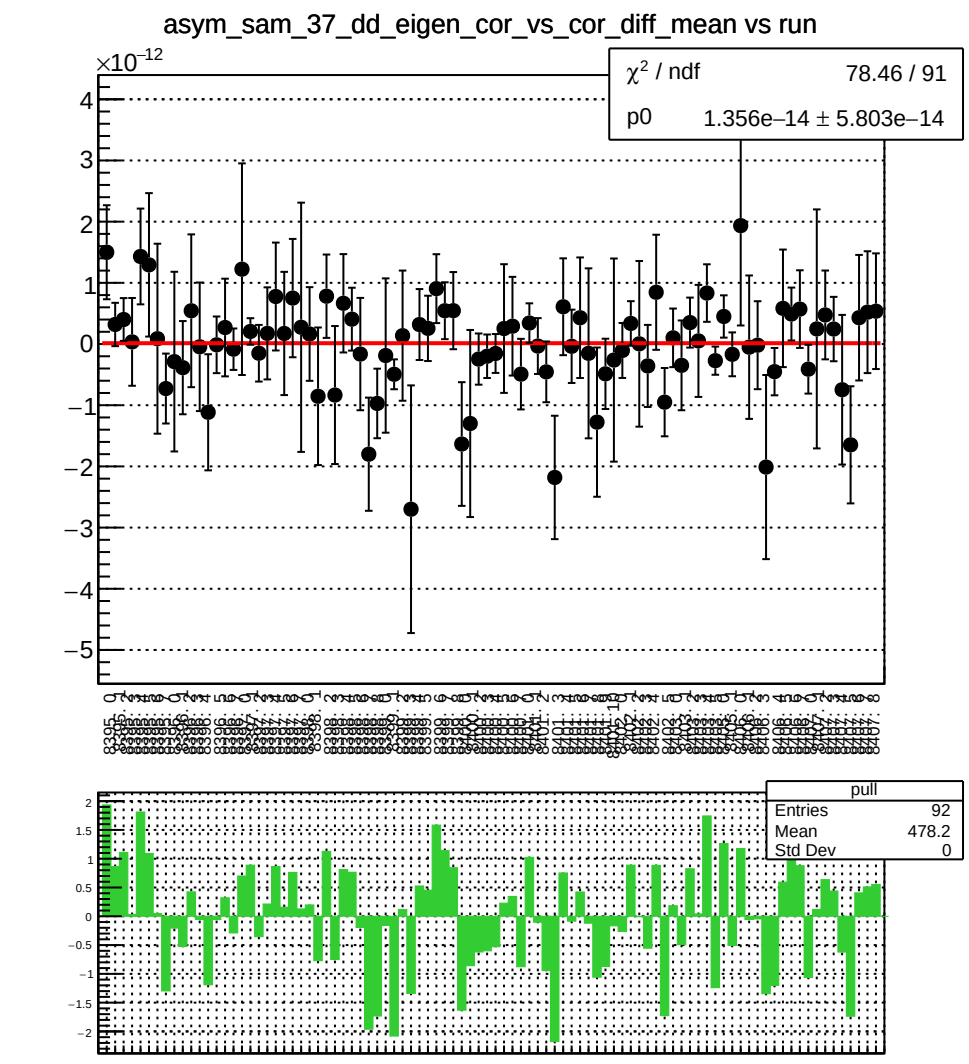

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6390 / 91
p0 0.00256 ± 1.953e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

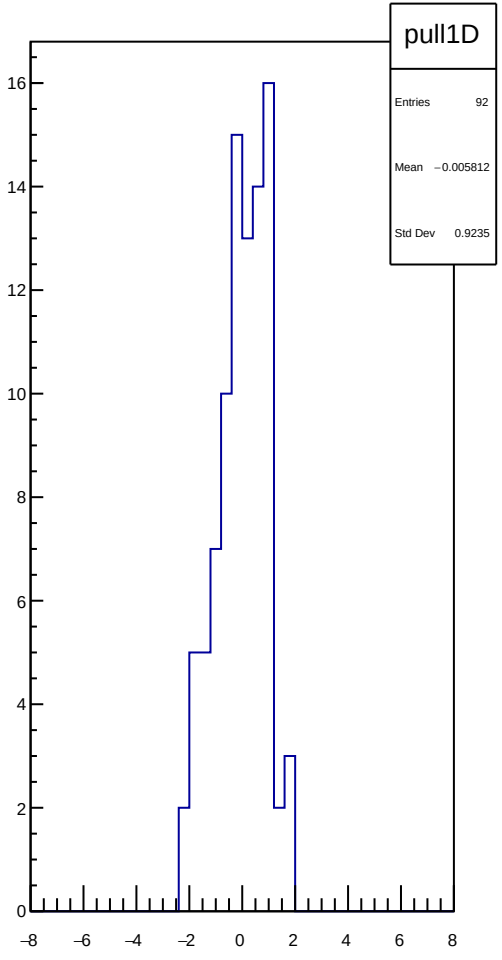

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 109.3 / 91
p0 −0.0003096 ± 0.03451
pull
Entries 92
Mean 5.235
Std Dev 26.67
pull1D
Entries 92
Mean −0.03261
Std Dev 1.089

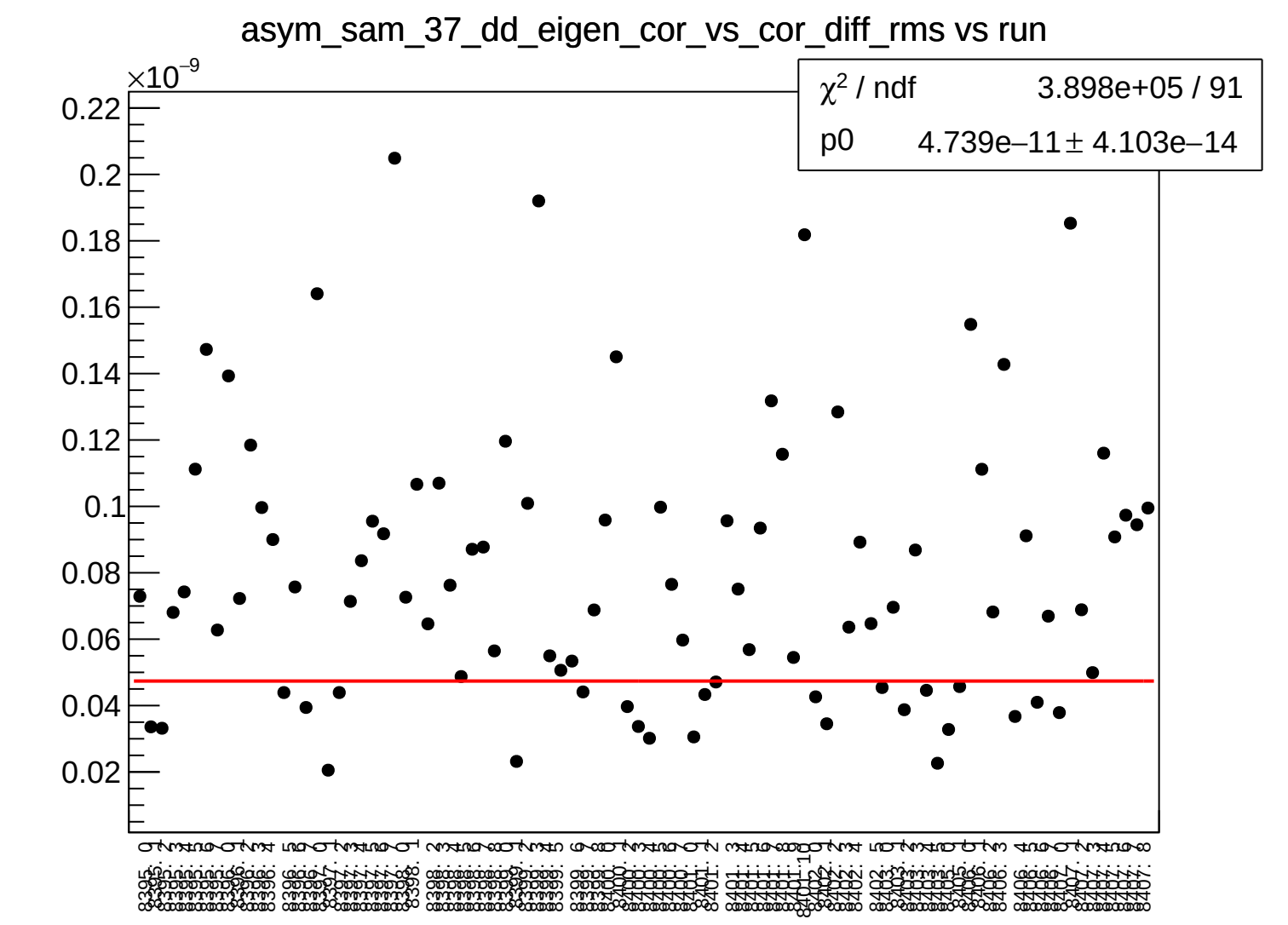

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 91
p0 31.04 ± 0.0244
200
180
160
140
120
100
80
60
40
20

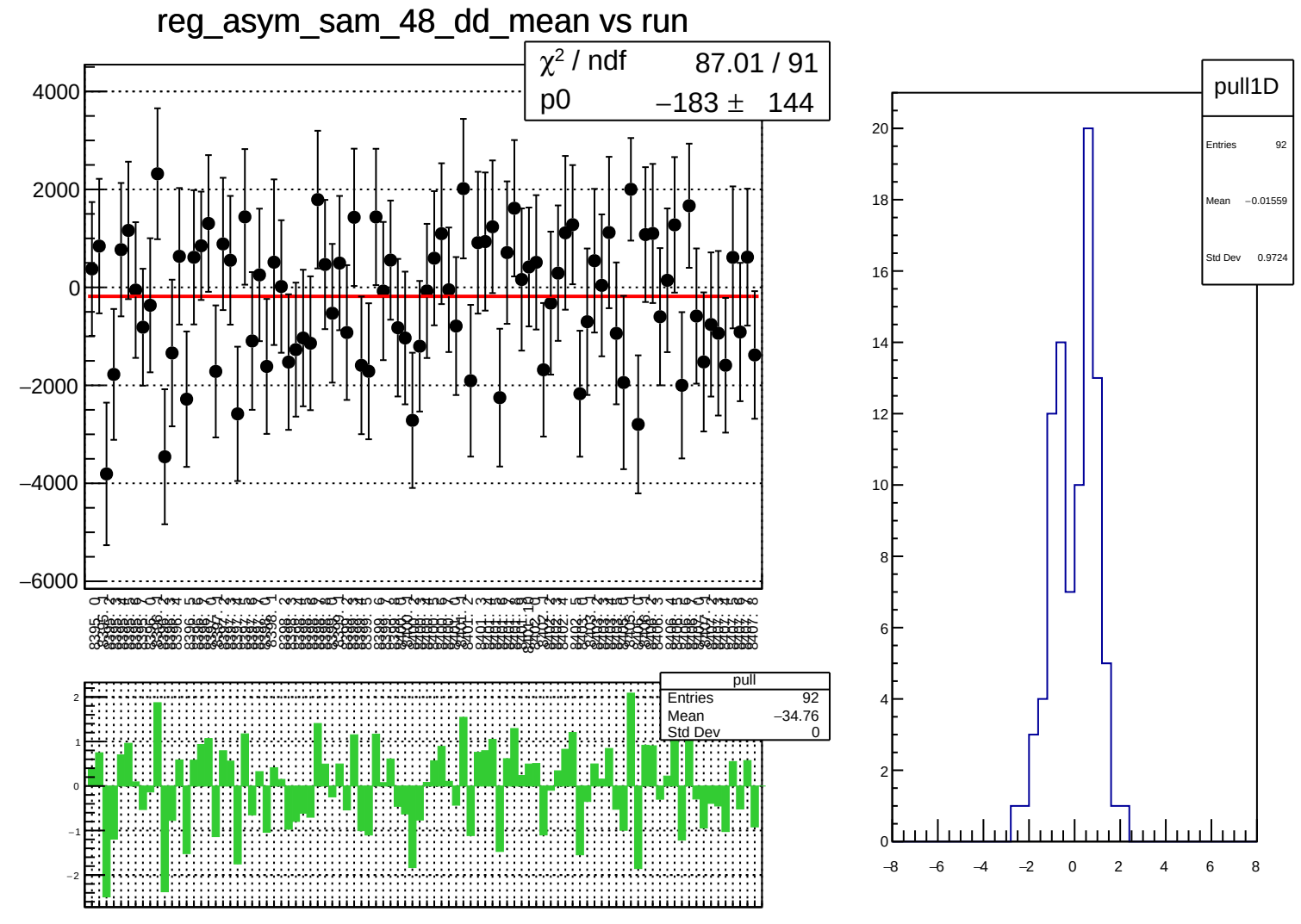

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 109.3 / 91
p0 −0.0003096 ± 0.03451
pull
Entries 92
Mean 5.235
Std Dev 26.67
pull1D
Entries 92
Mean −0.03261
Std Dev 1.089

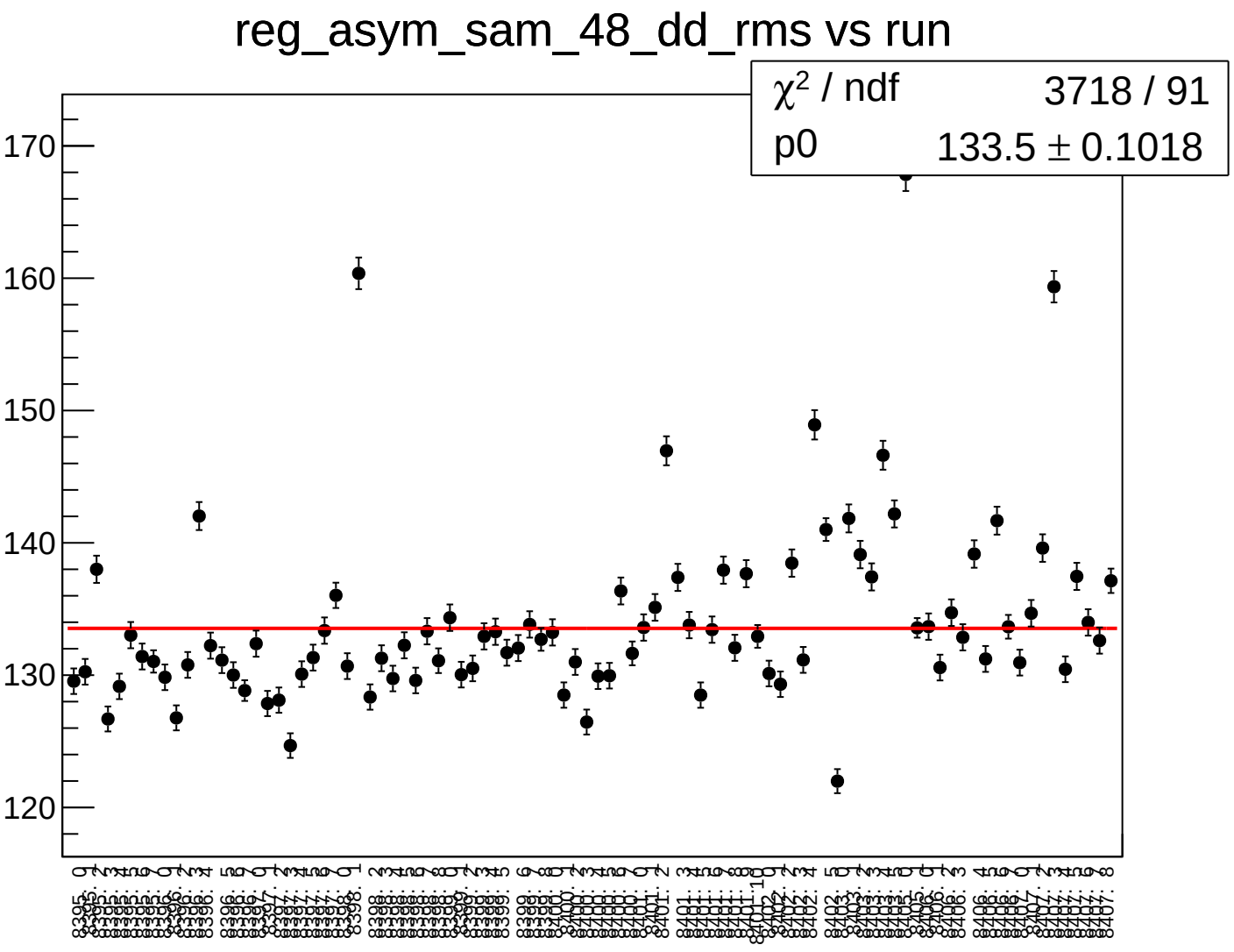

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.052e+05 / 91
p0 31.04 ± 0.0244
200
180
160
140
120
100
80
60
40
20

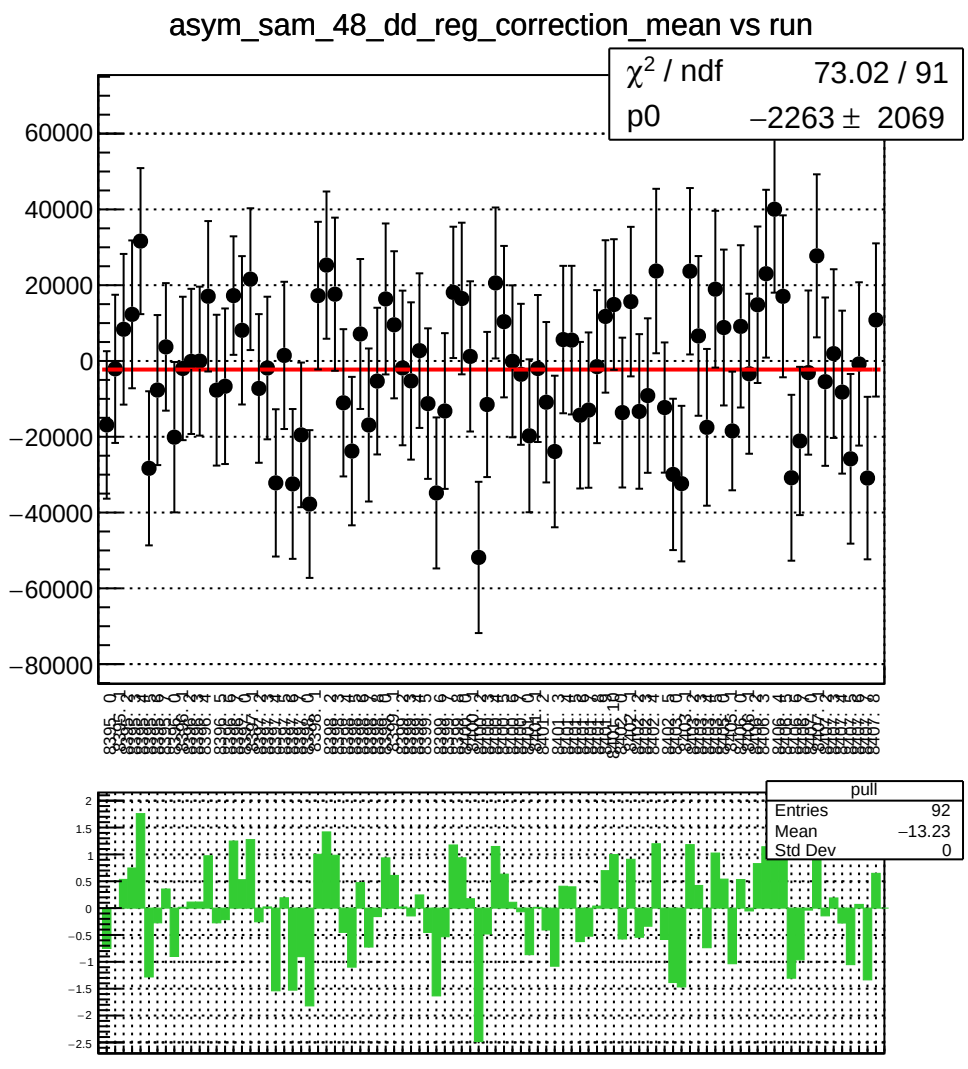

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.46 / 91
p0 1.356e−14 ± 5.803e−14
pull
Entries 92
Mean 478.2
Std Dev 0

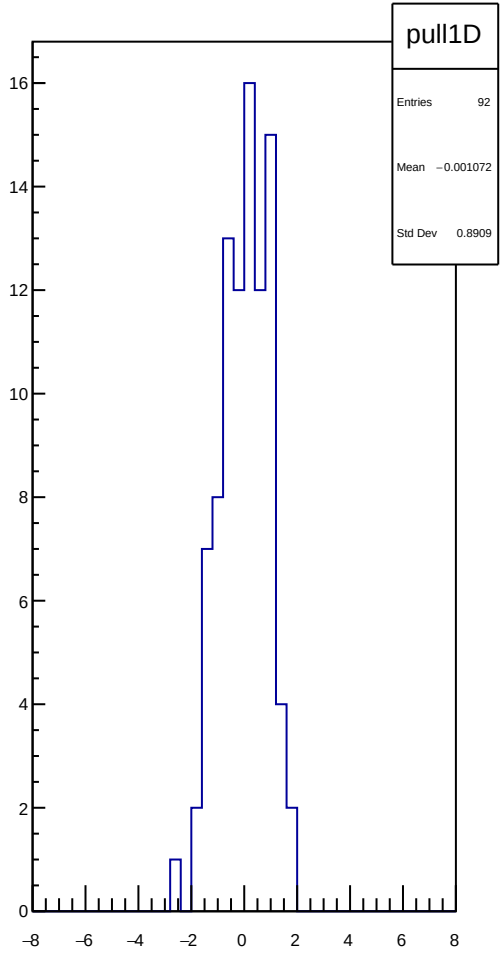

pull1D
Entries 92
Mean −0.005812
Std Dev 0.9235

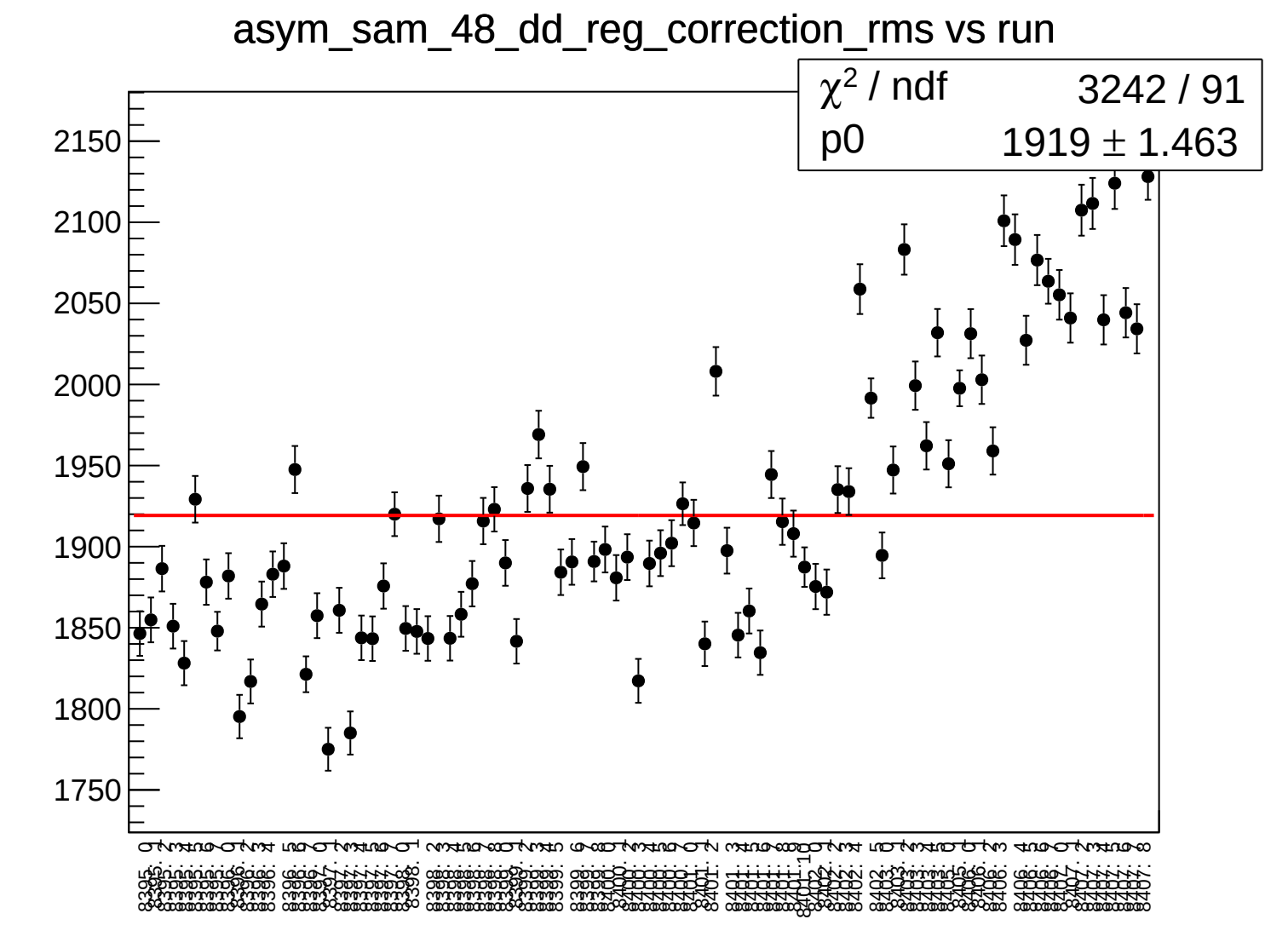

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.898e+05 / 91
p0 4.739e−11 ± 4.103e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

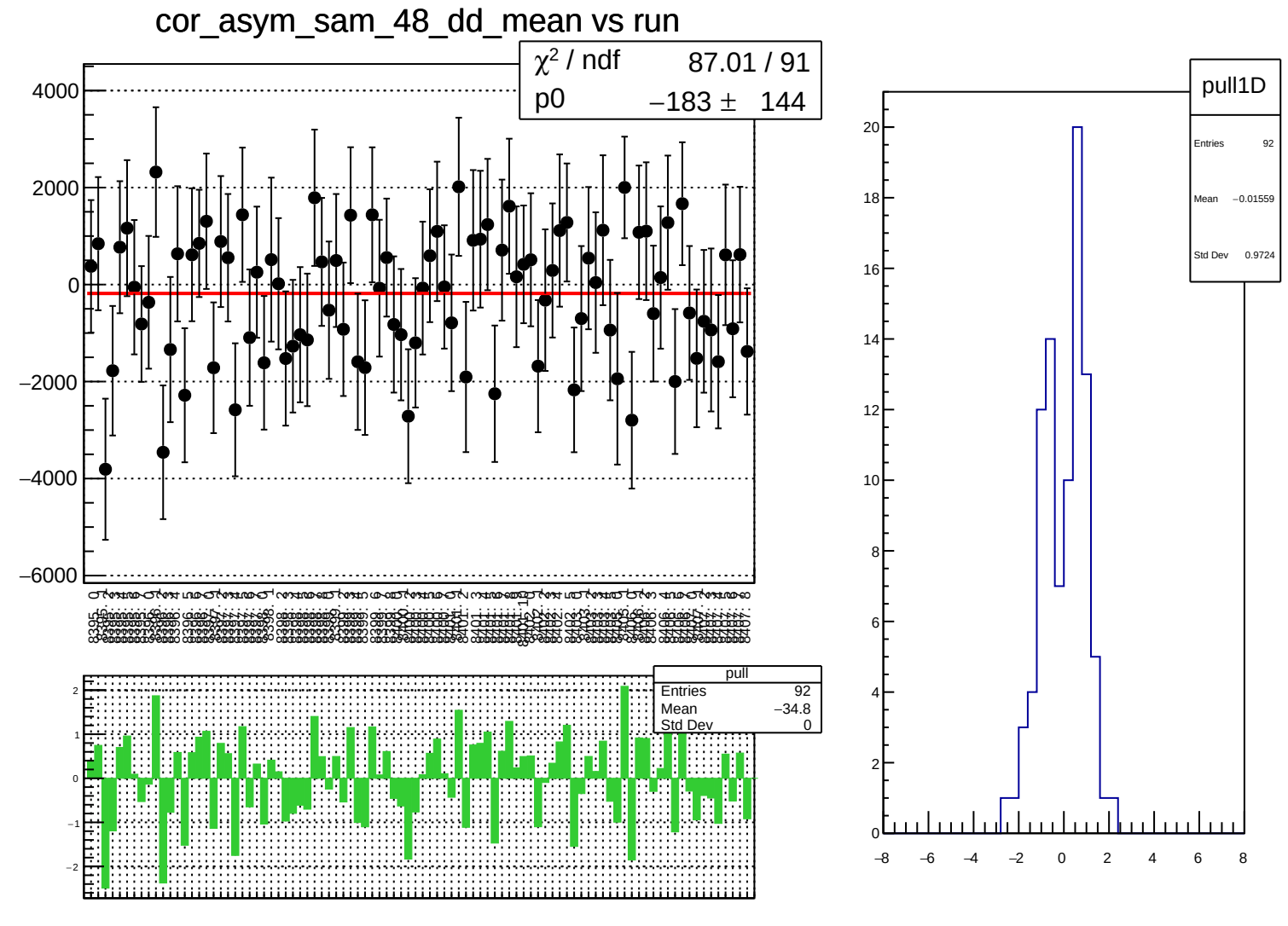

reg_asym_sam_48_dd_mean vs run
χ² / ndf 87.01 / 91
p0 −183 ± 144
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −34.76
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01559
Std Dev 0.9724
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

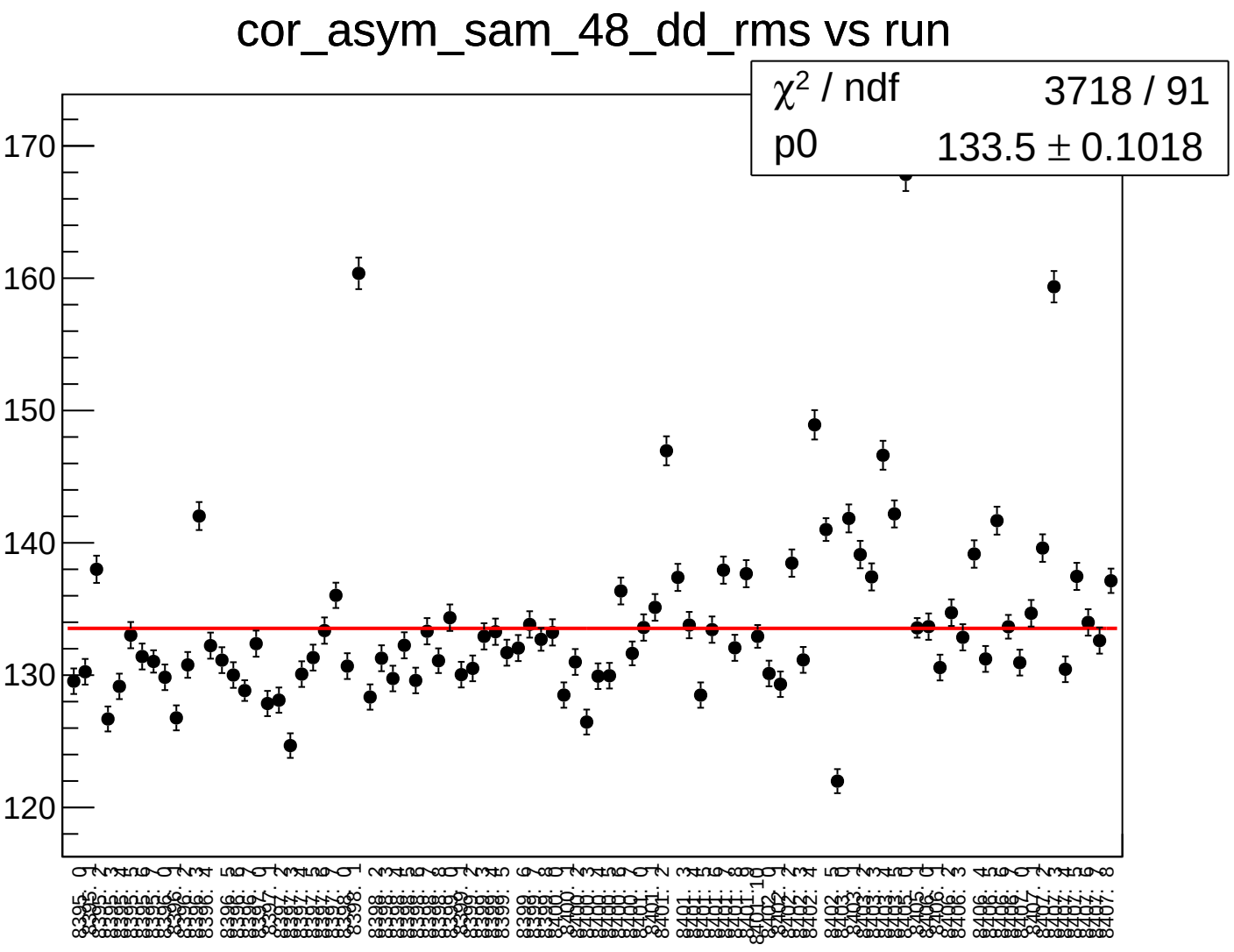

reg_asym_sam_48_dd_rms vs run
$\chi^2$ / ndf 3718 / 91
p0 133.5 ± 0.1018
170
160
150
140
130
120

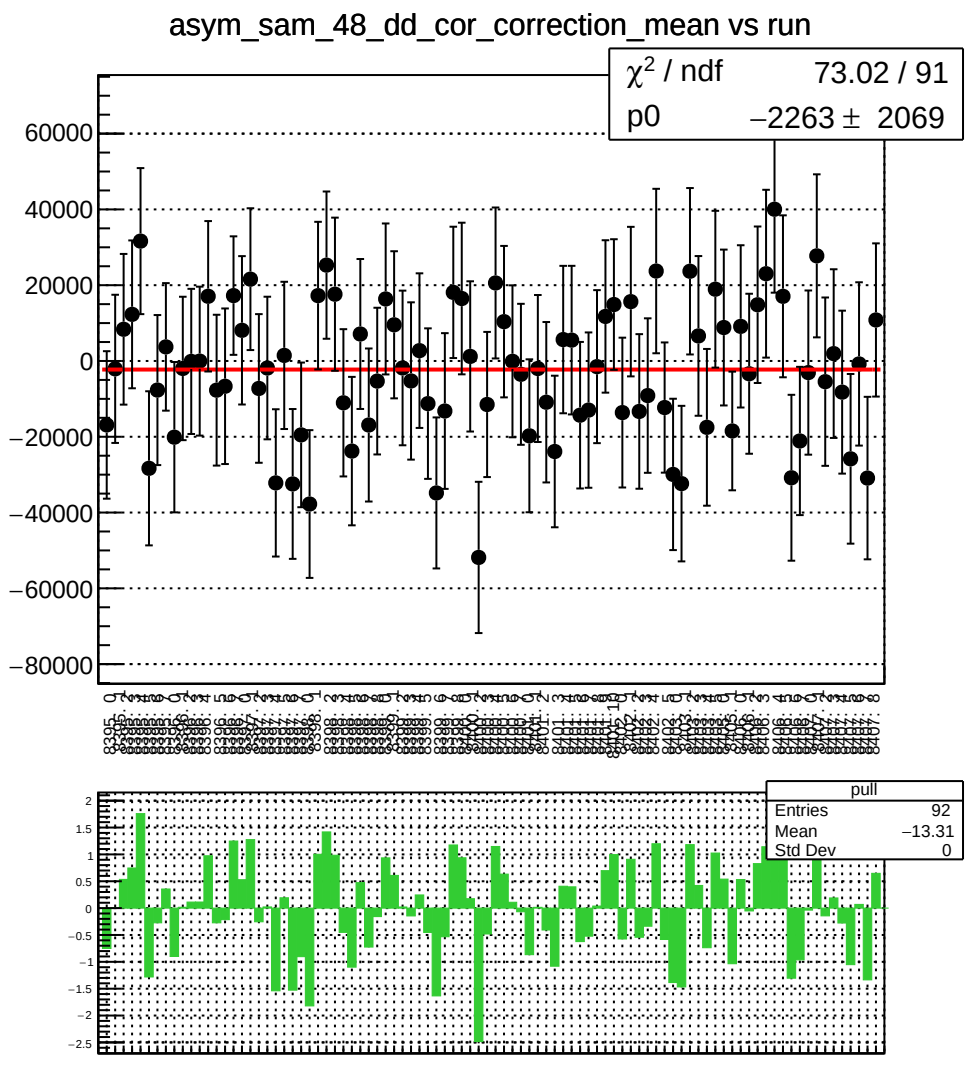

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 73.02 / 91
p0 −2263 ± 2069
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −13.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

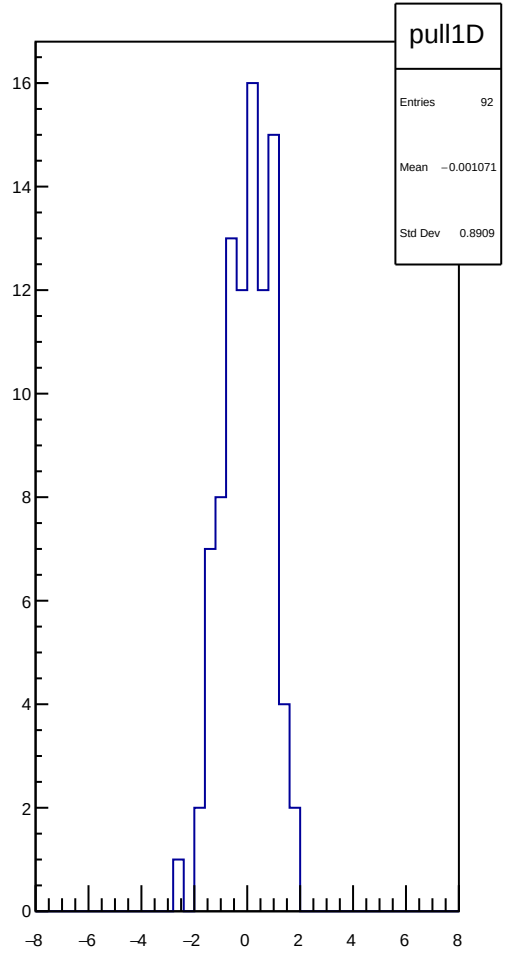

pull1D
Entries 92
Mean −0.001072
Std Dev 0.8909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

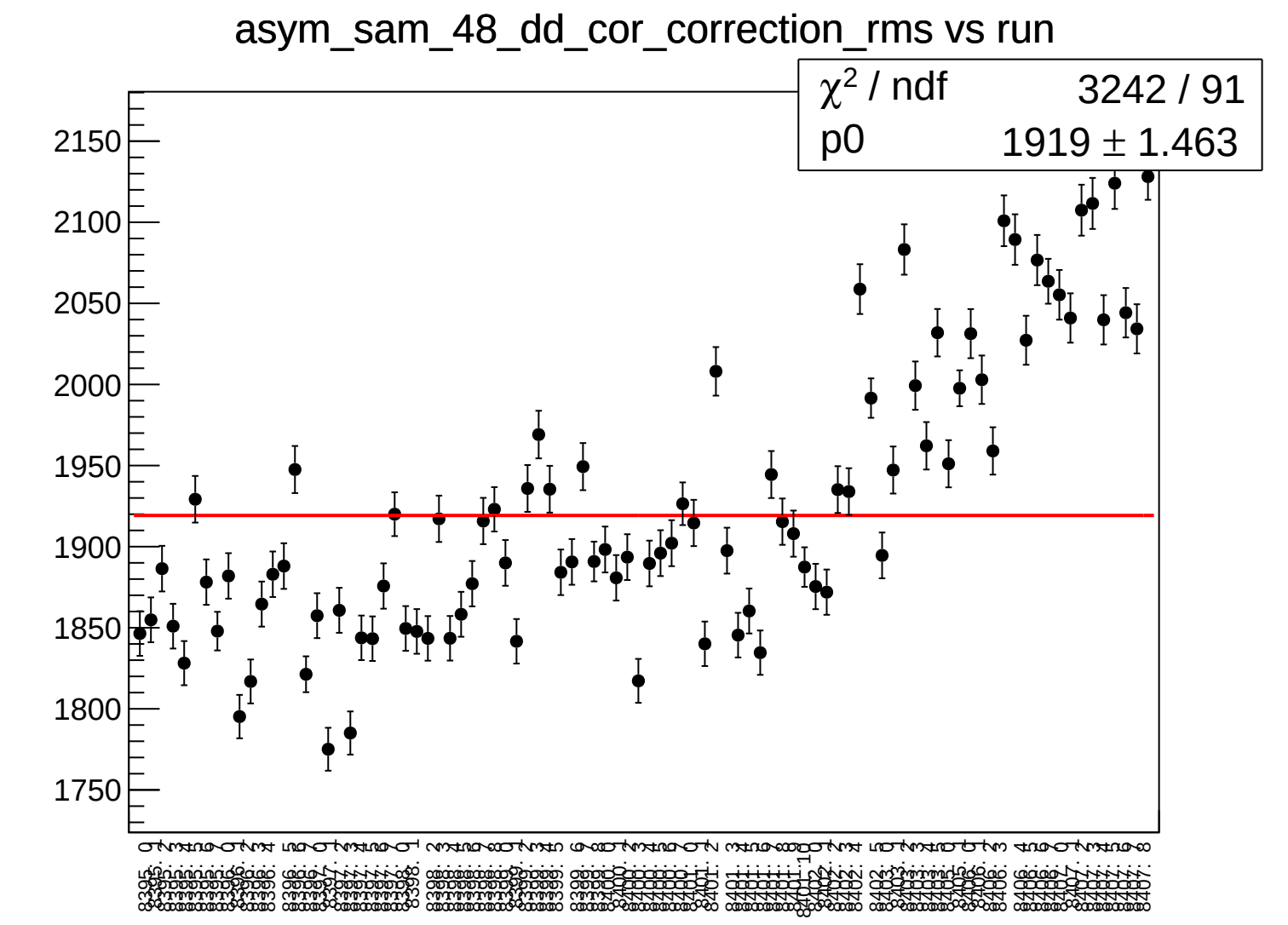

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 3242 / 91
p0 1919 ± 1.463
2150
2100
2050
2000
1950
1900
1850
1800
1750

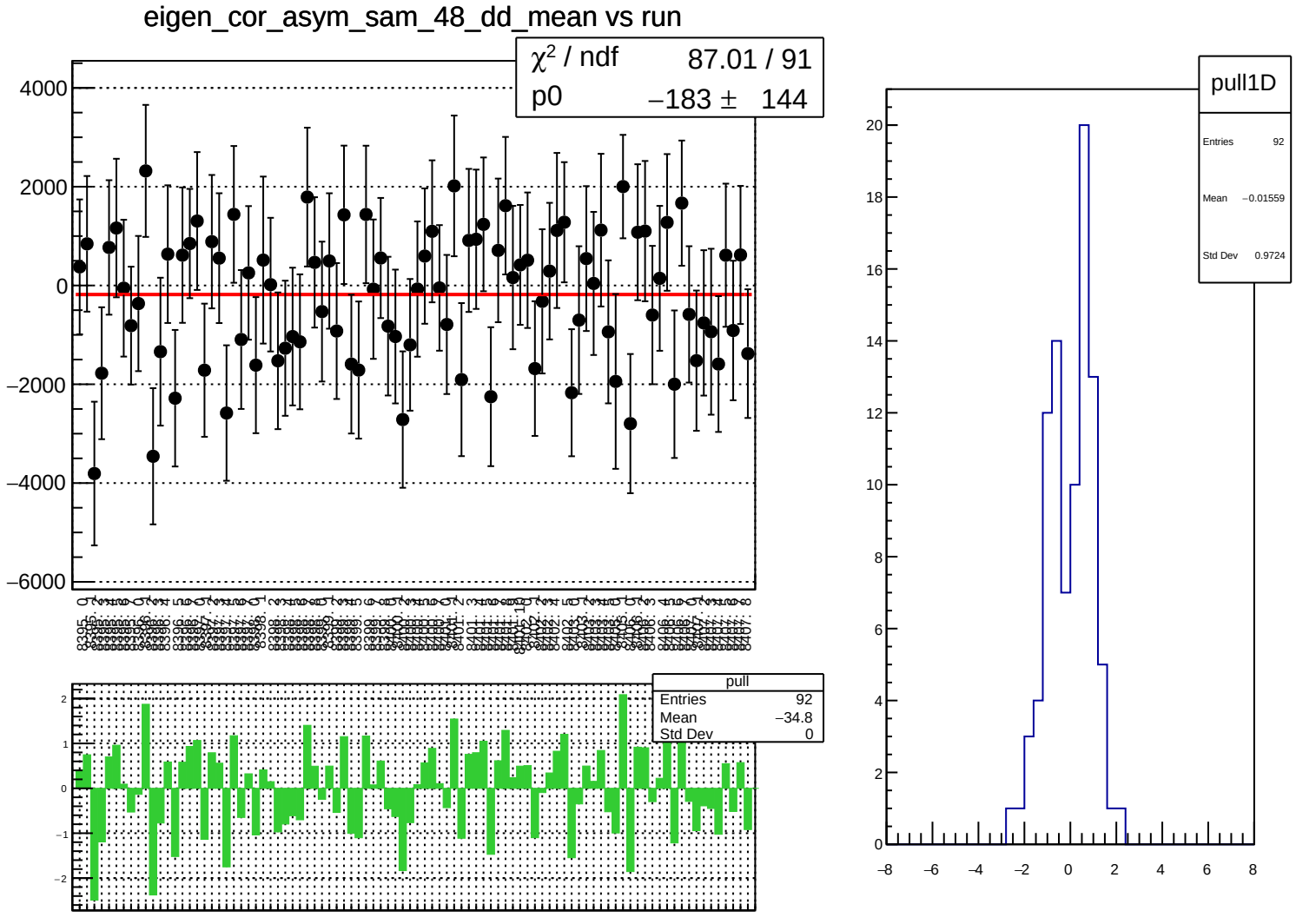

cor_asym_sam_48_dd_mean vs run
χ² / ndf 87.01 / 91
p0 −183 ± 144
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −34.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01559
Std Dev 0.9724
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

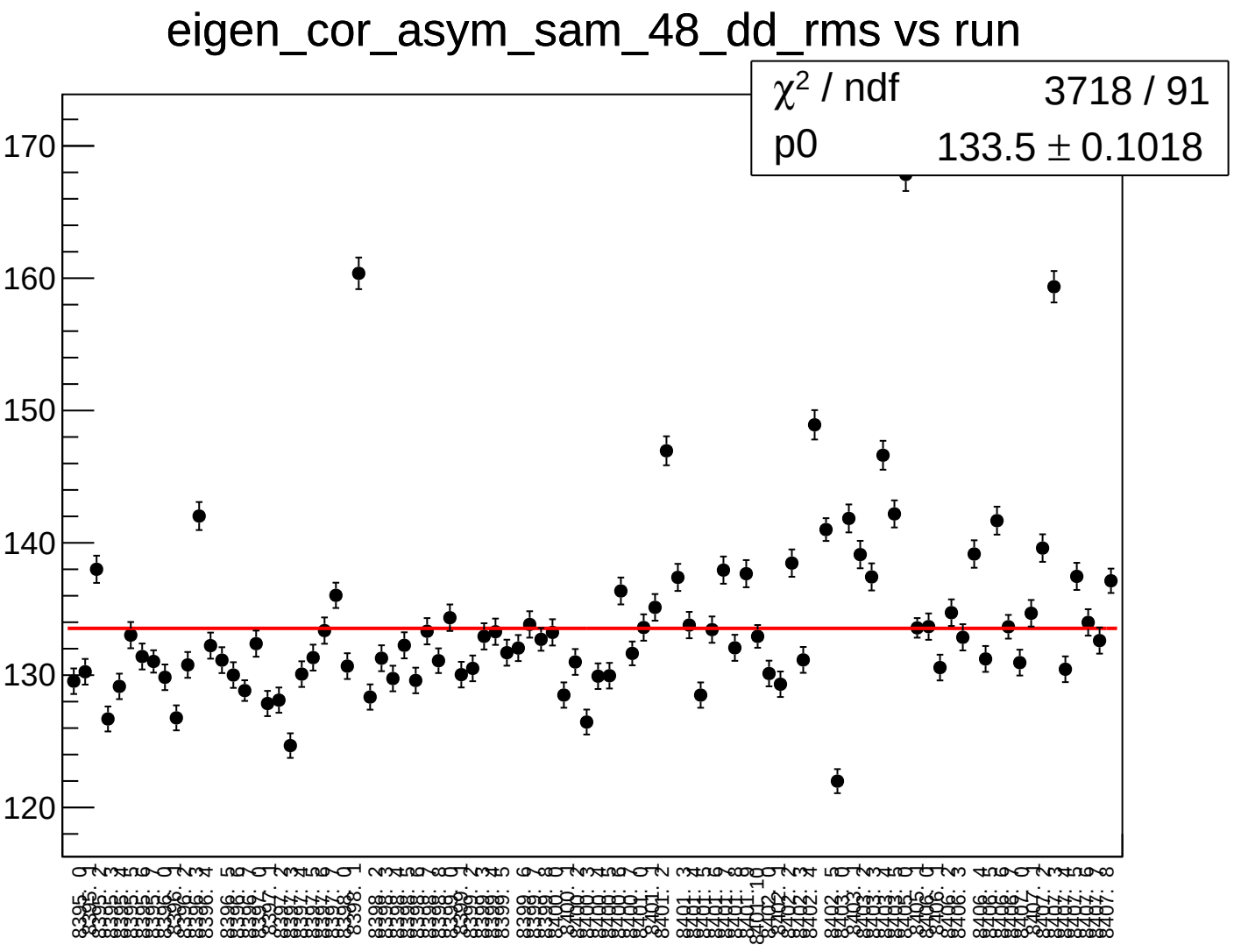

cor_asym_sam_48_dd_rms vs run
χ² / ndf 3718 / 91
p0 133.5 ± 0.1018
170
160
150
140
130
120

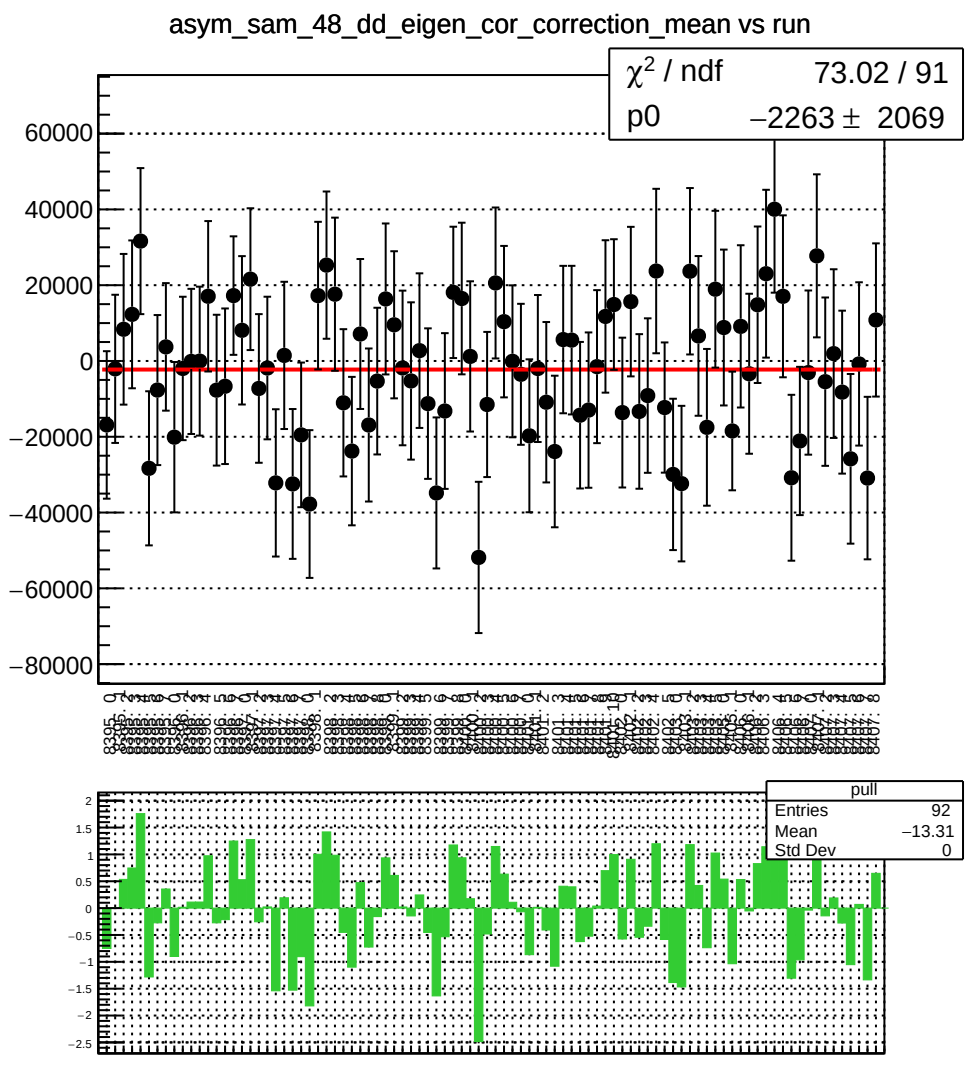

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 73.02 / 91
p0 −2263 ± 2069
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −13.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

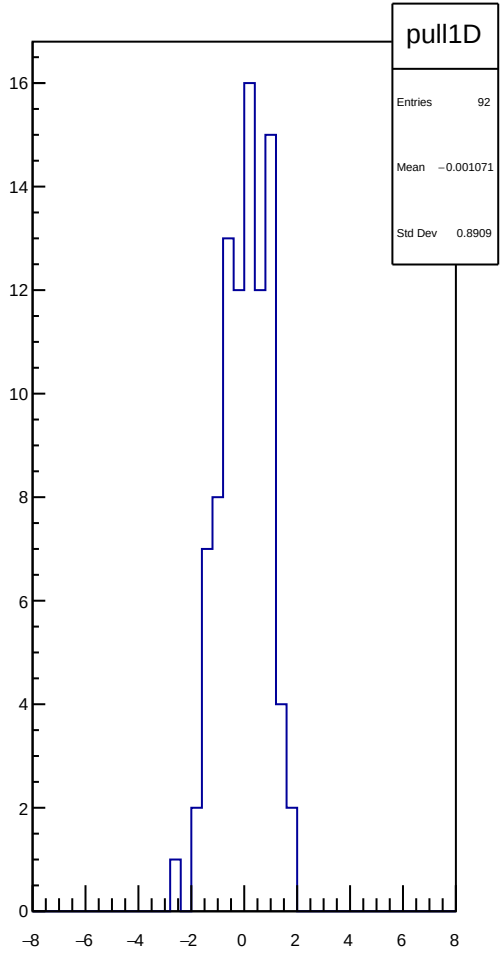

pull1D
Entries 92
Mean −0.001071
Std Dev 0.8909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

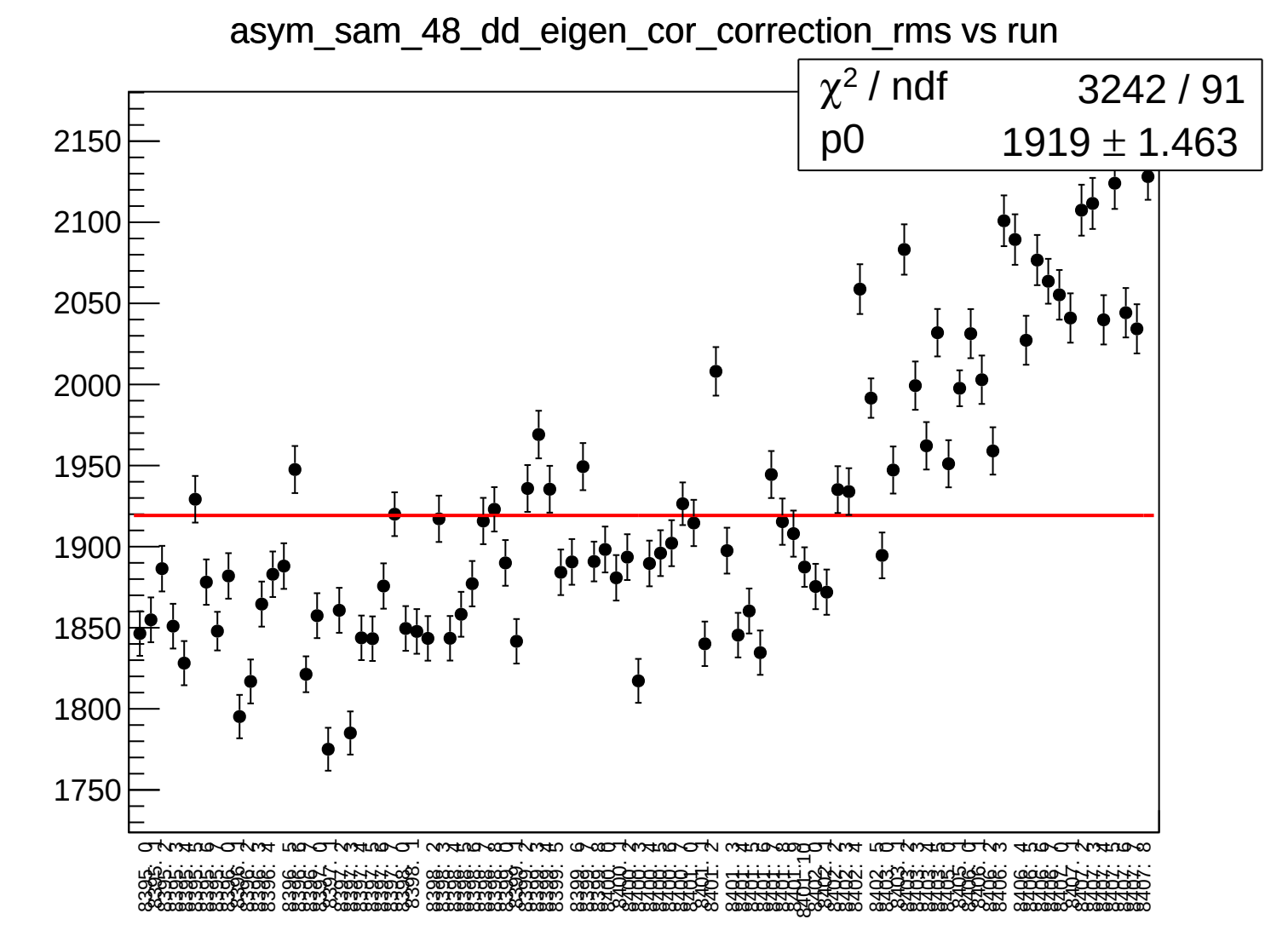

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 3242 / 91
p0 1919 ± 1.463
2150
2100
2050
2000
1950
1900
1850
1800
1750

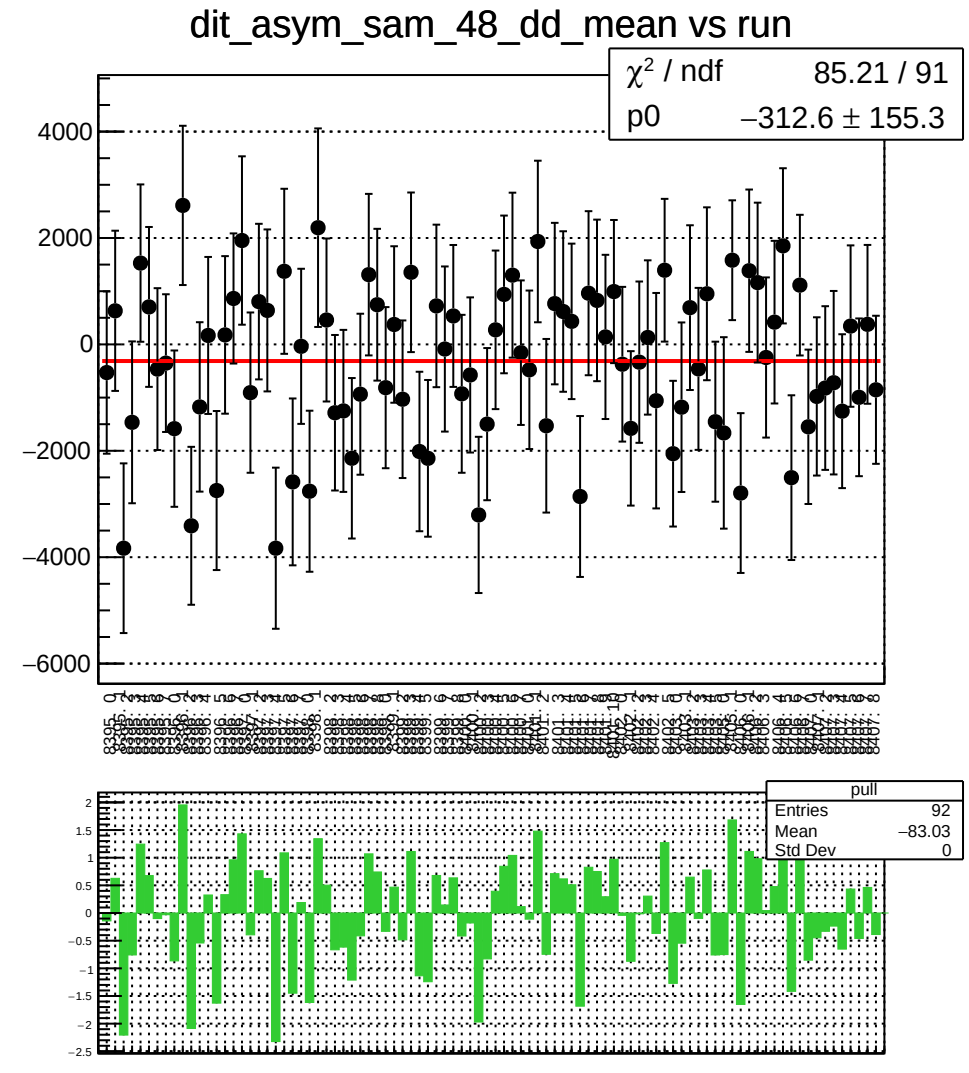

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 87.01 / 91
p0 −183 ± 144
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −34.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01559
Std Dev 0.9724
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

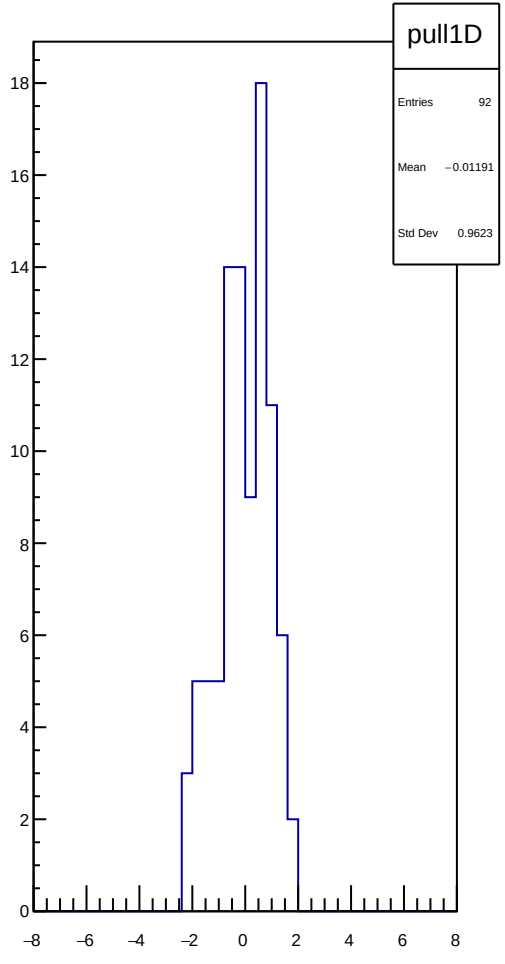

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 3718 / 91
p0 133.5 ± 0.1018
170
160
150
140
130
120

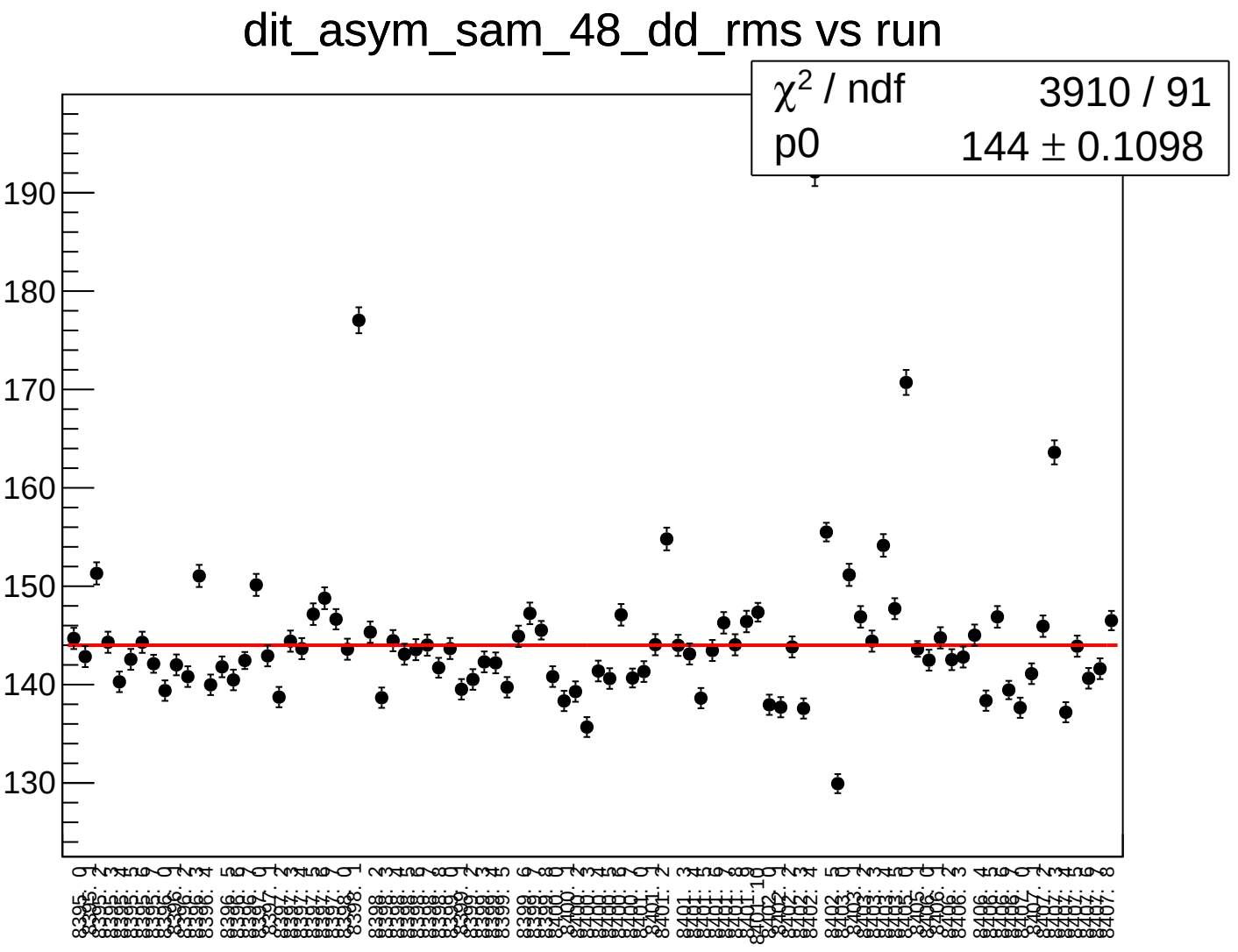

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 73.02 / 91
p0 −2263 ± 2069
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −13.31
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

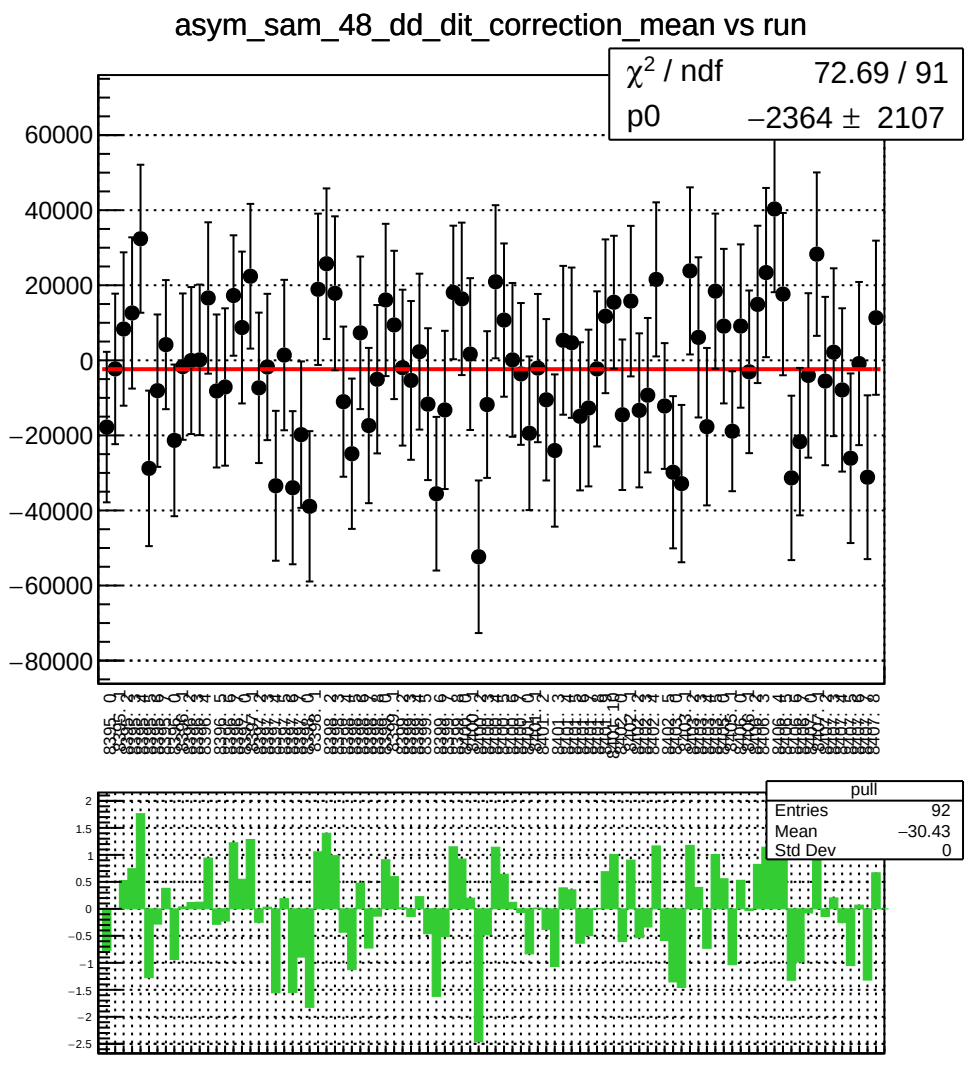

pull1D
Entries 92
Mean −0.001071
Std Dev 0.8909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

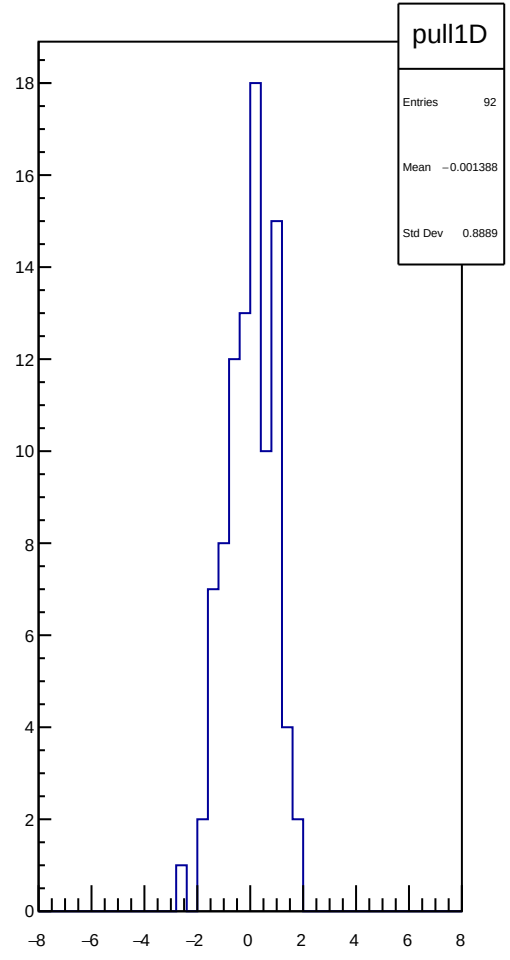

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 3242 / 91
p0 1919 ± 1.463
2150
2100
2050
2000
1950
1900
1850
1800
1750

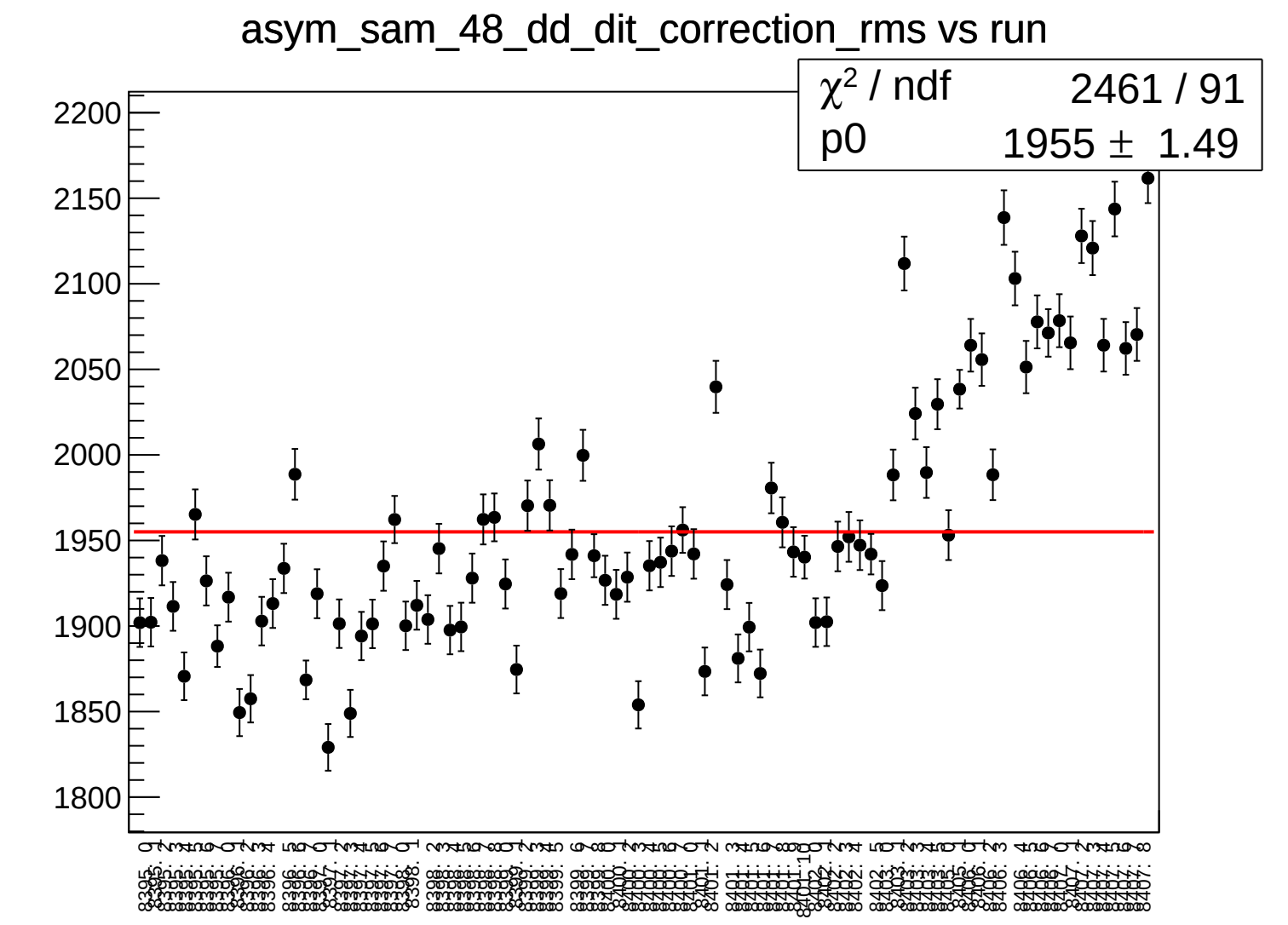

dit_asym_sam_48_dd_mean vs run
χ² / ndf 85.21 / 91
p0 −312.6 ± 155.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −83.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

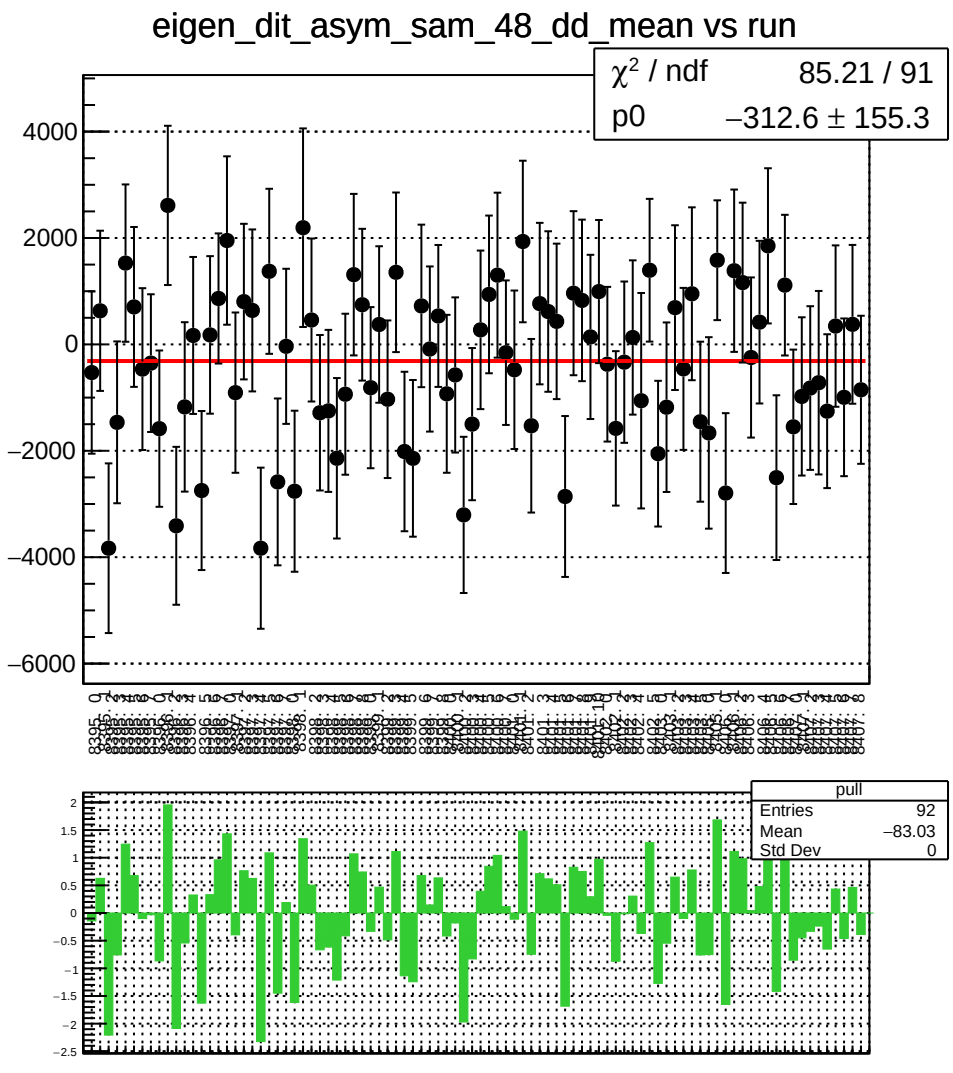

pull1D
Entries 92
Mean −0.01191
Std Dev 0.9623
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

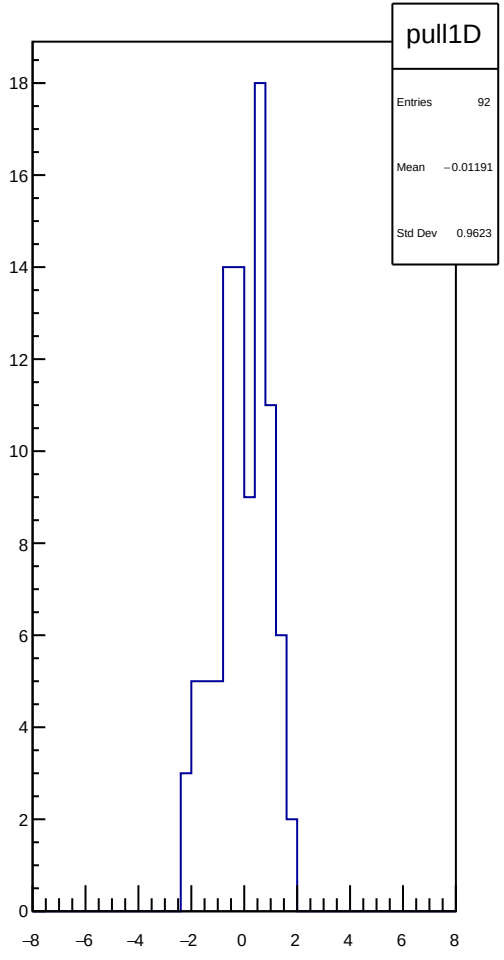

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3910 / 91
p0 144 ± 0.1098
190
180
170
160
150
140
130

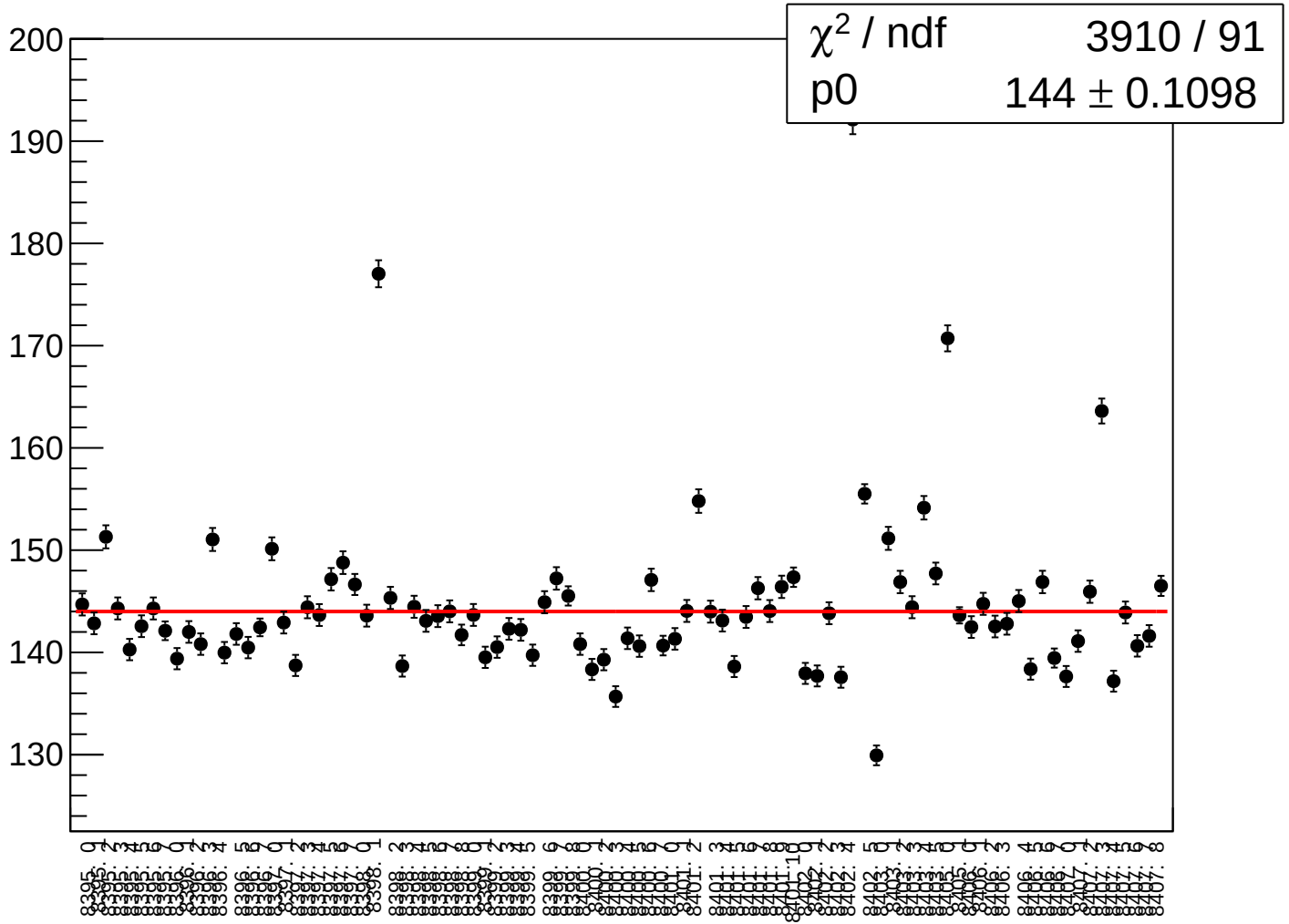

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 72.69 / 91
p0 −2364 ± 2107
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean −30.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

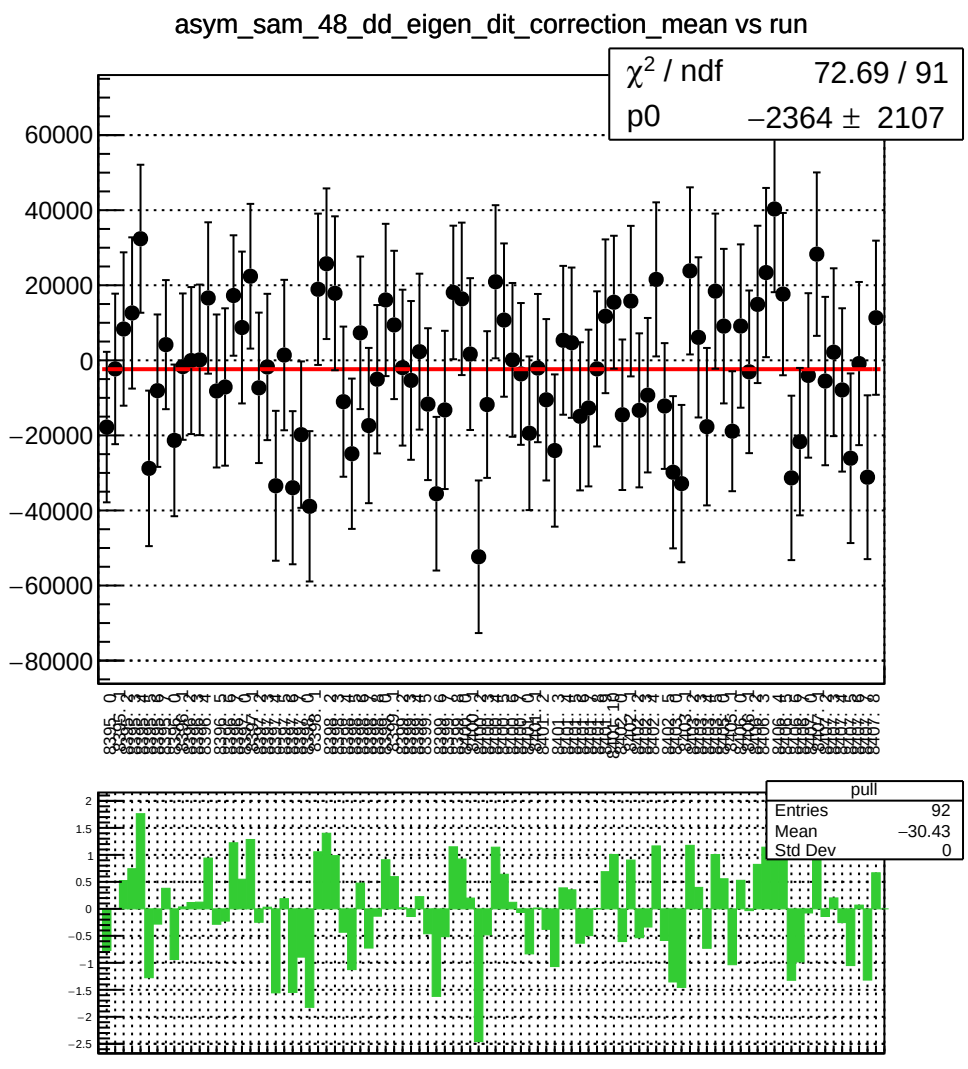

pull1D
Entries 92
Mean −0.001388
Std Dev 0.8889
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

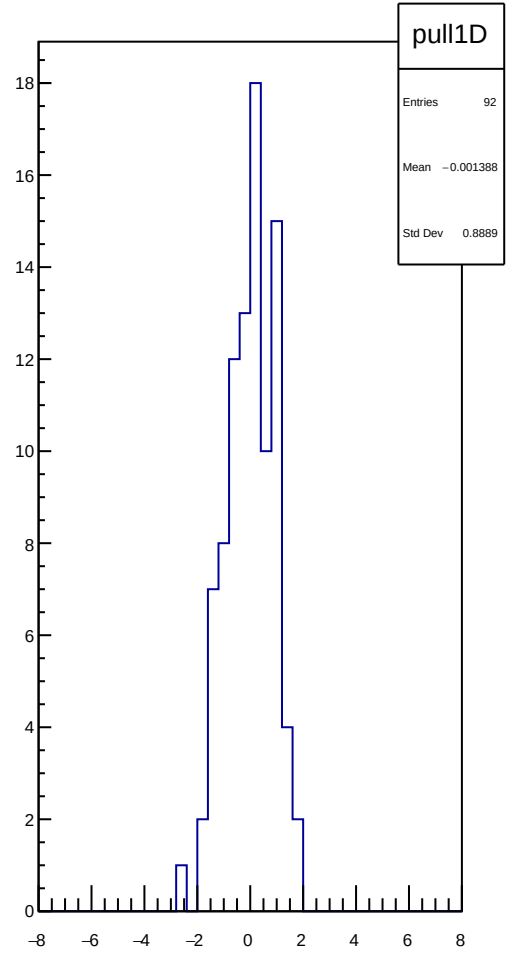

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 2461 / 91
p0 1955 ± 1.49
2200
2150
2100
2050
2000
1950
1900
1850
1800

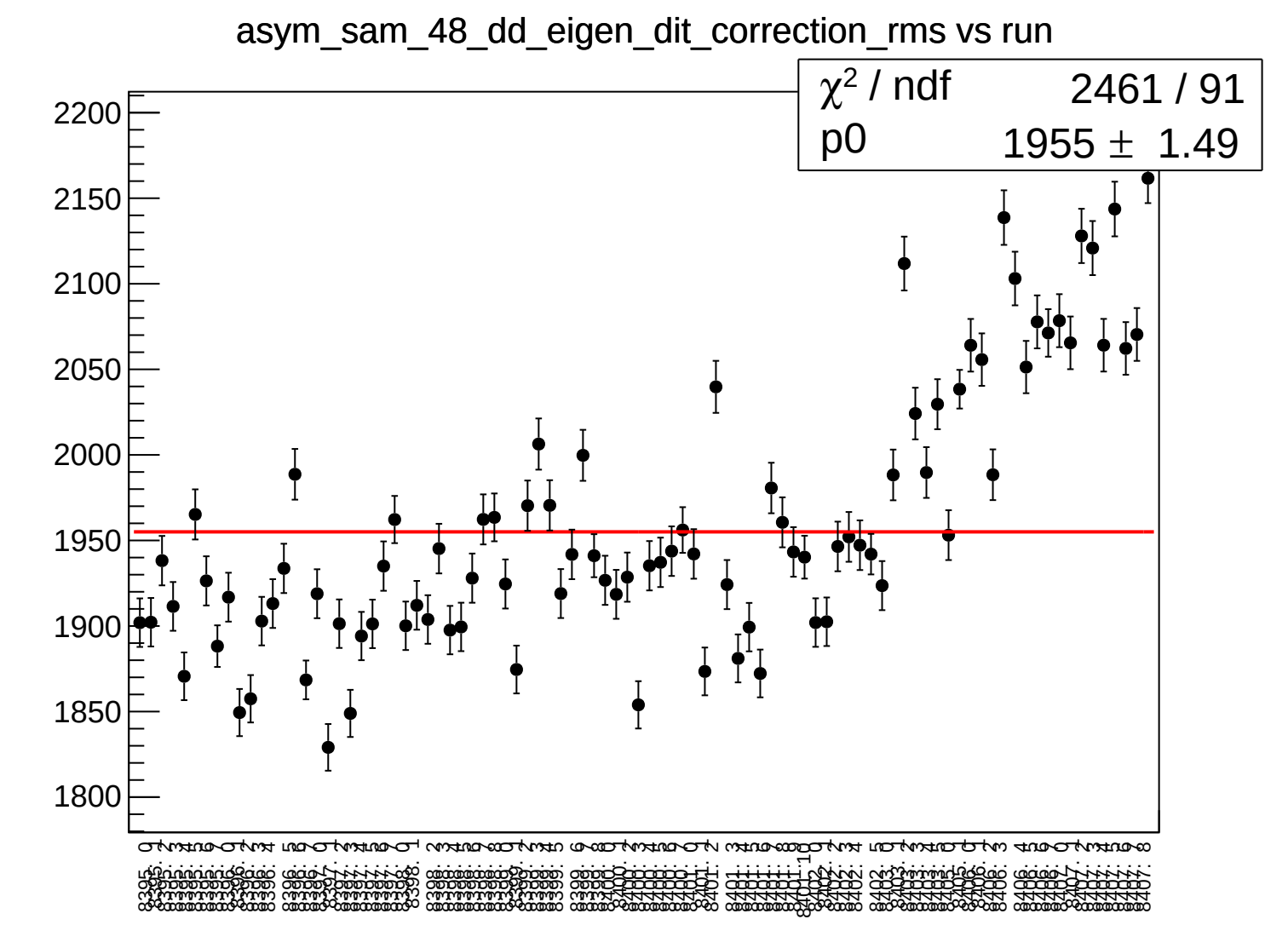

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 85.21 / 91
p0 −312.6 ± 155.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −83.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

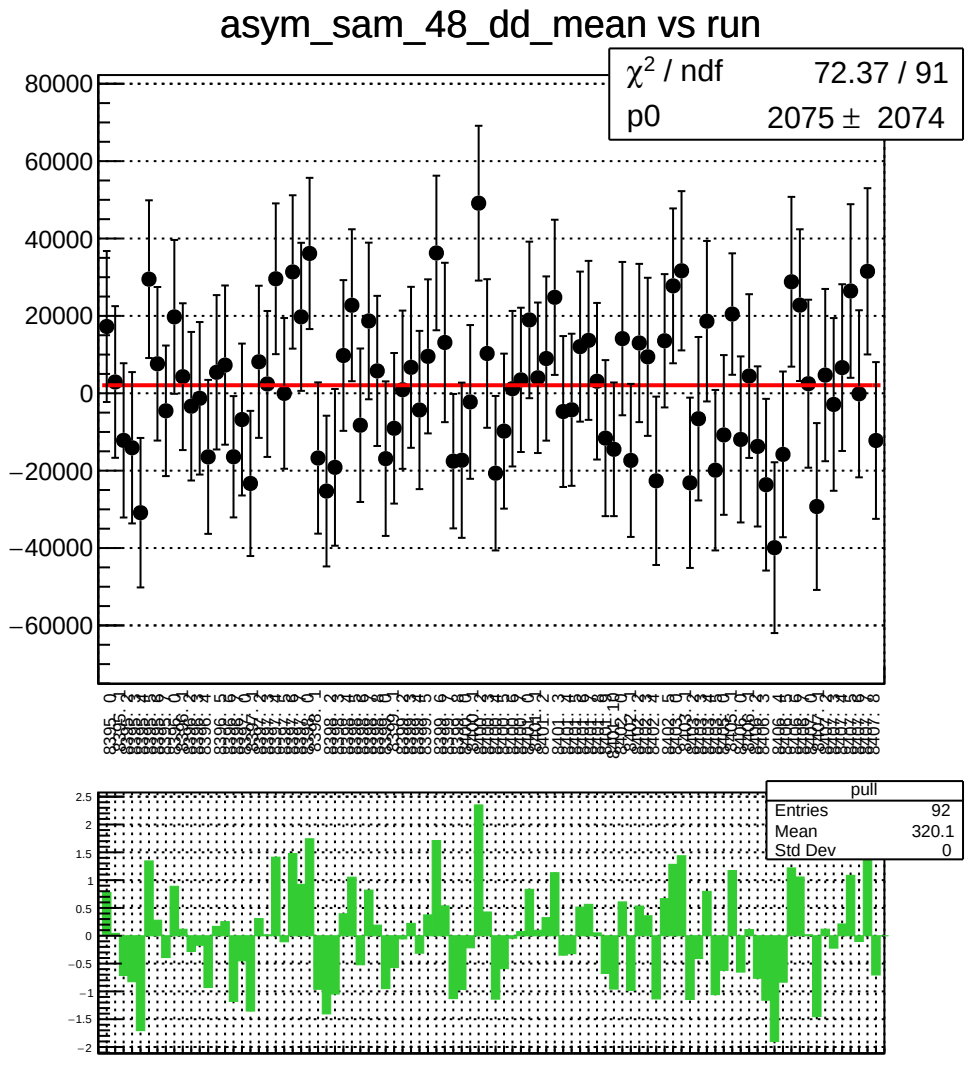

pull1D
Entries 92
Mean −0.01191
Std Dev 0.9623
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

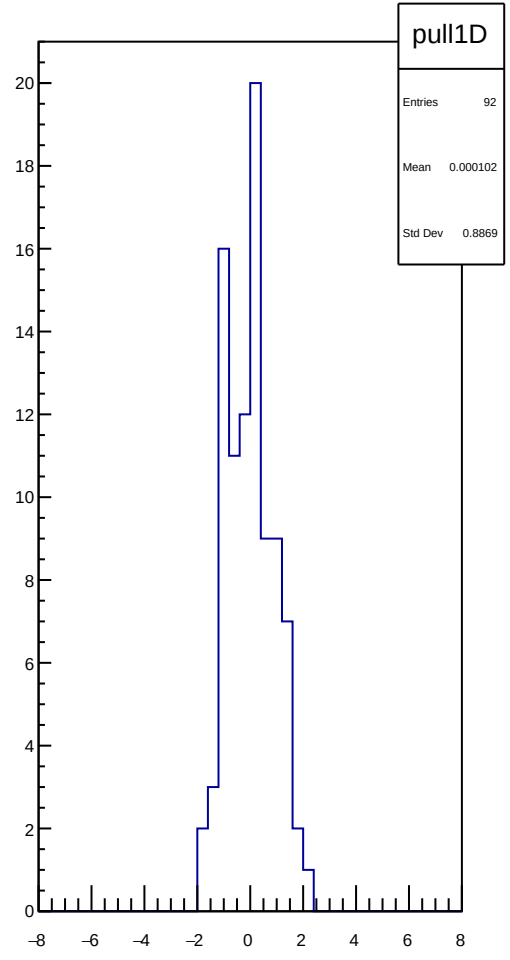

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 3910 / 91
p0 144 ± 0.1098
200
190
180
170
160
150
140
130

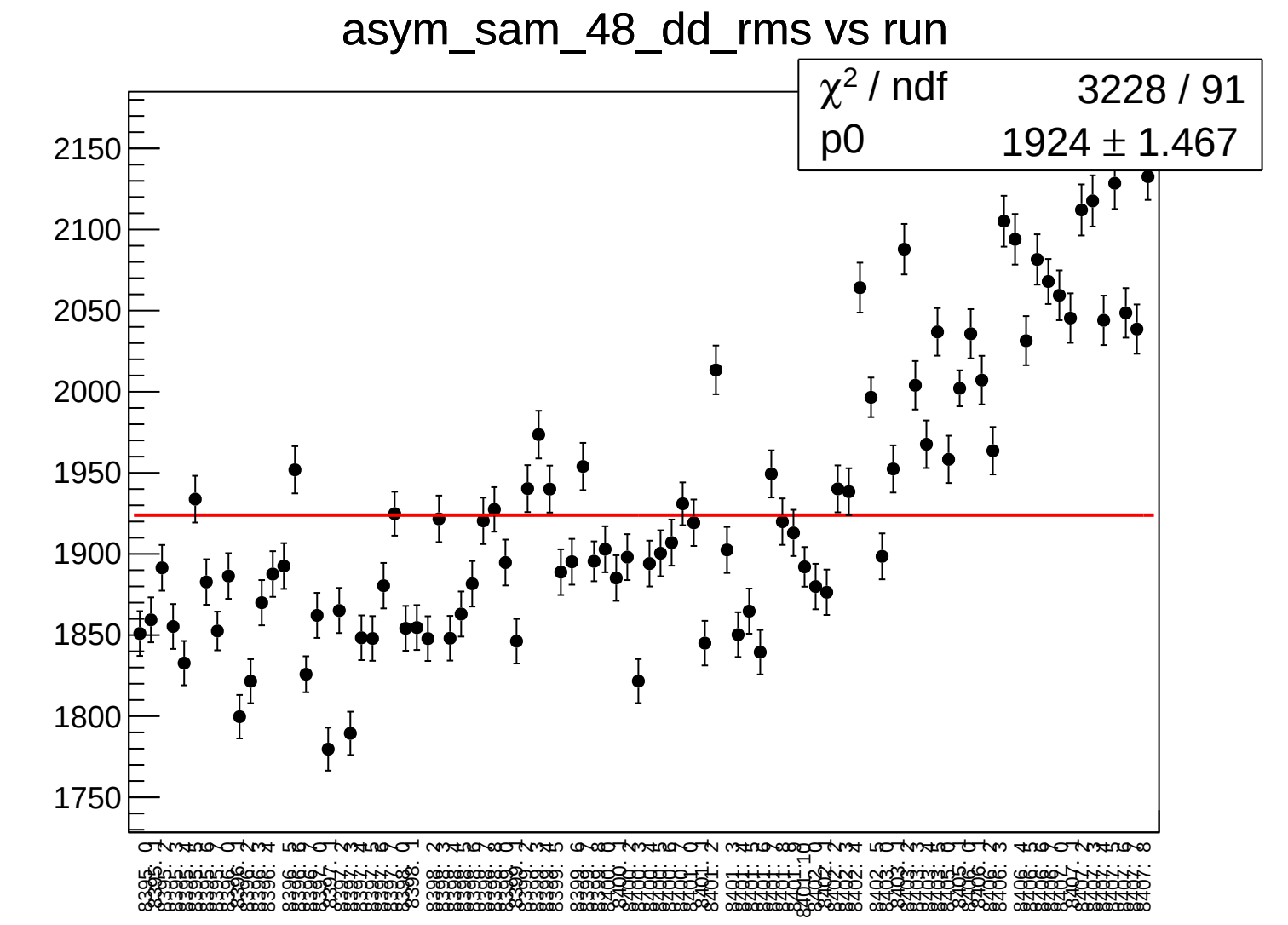

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 72.69 / 91
p0 −2364 ± 2107
pull
Entries 92
Mean −30.43
Std Dev 0

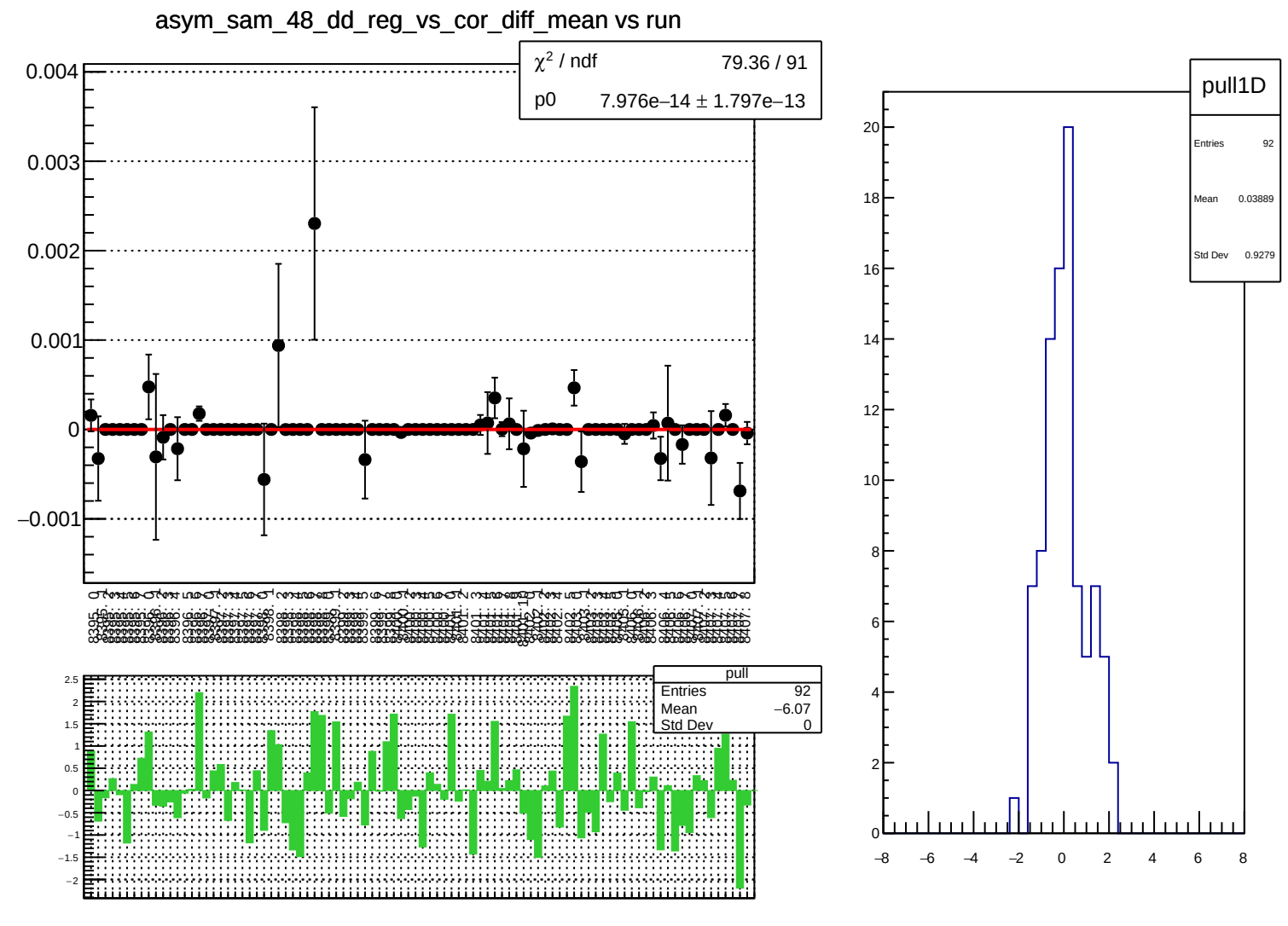

pull1D
Entries 92
Mean −0.001388
Std Dev 0.8889

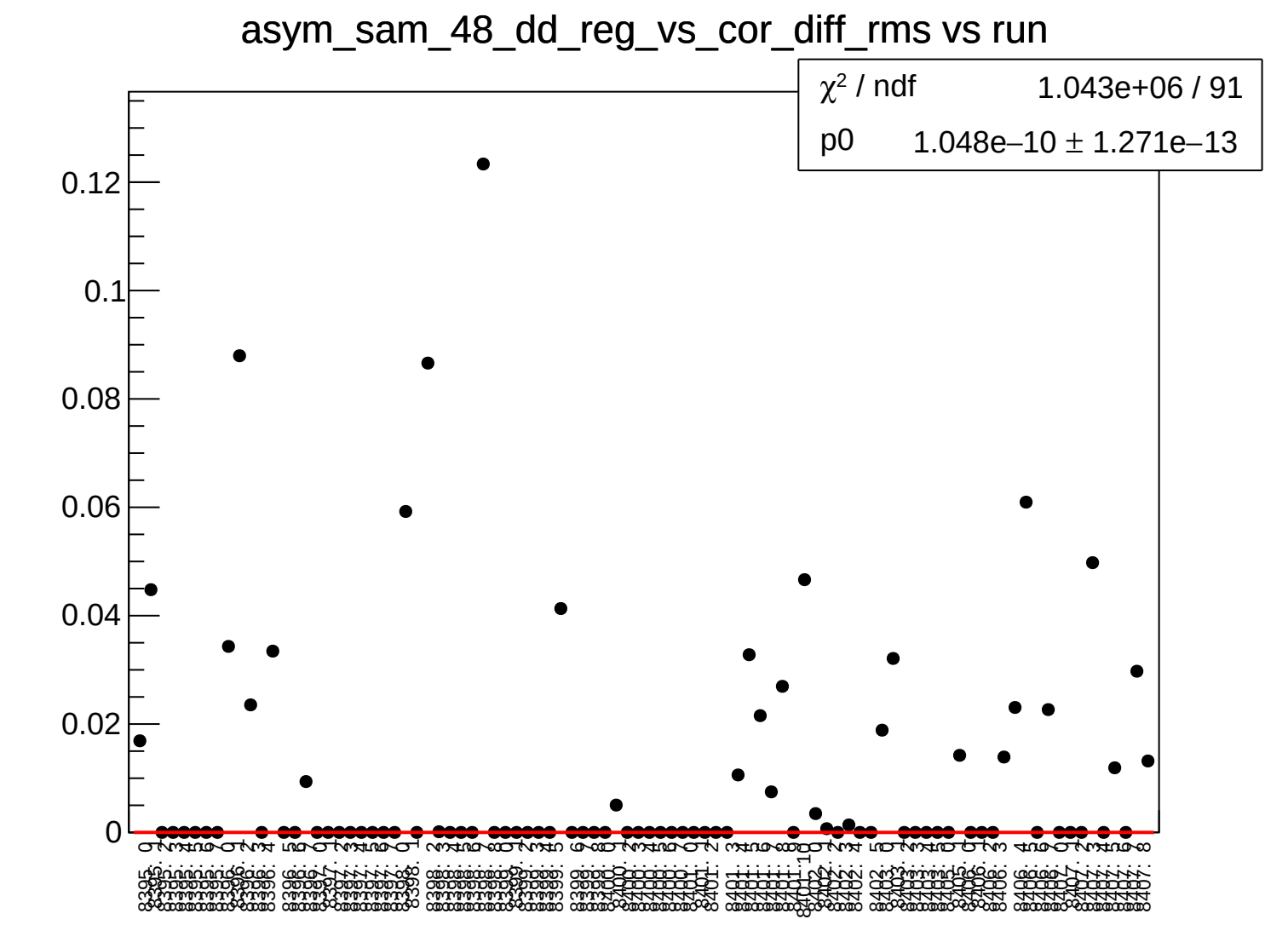

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2461 / 91
p0 1955 ± 1.49
2200
2150
2100
2050
2000
1950
1900
1850
1800

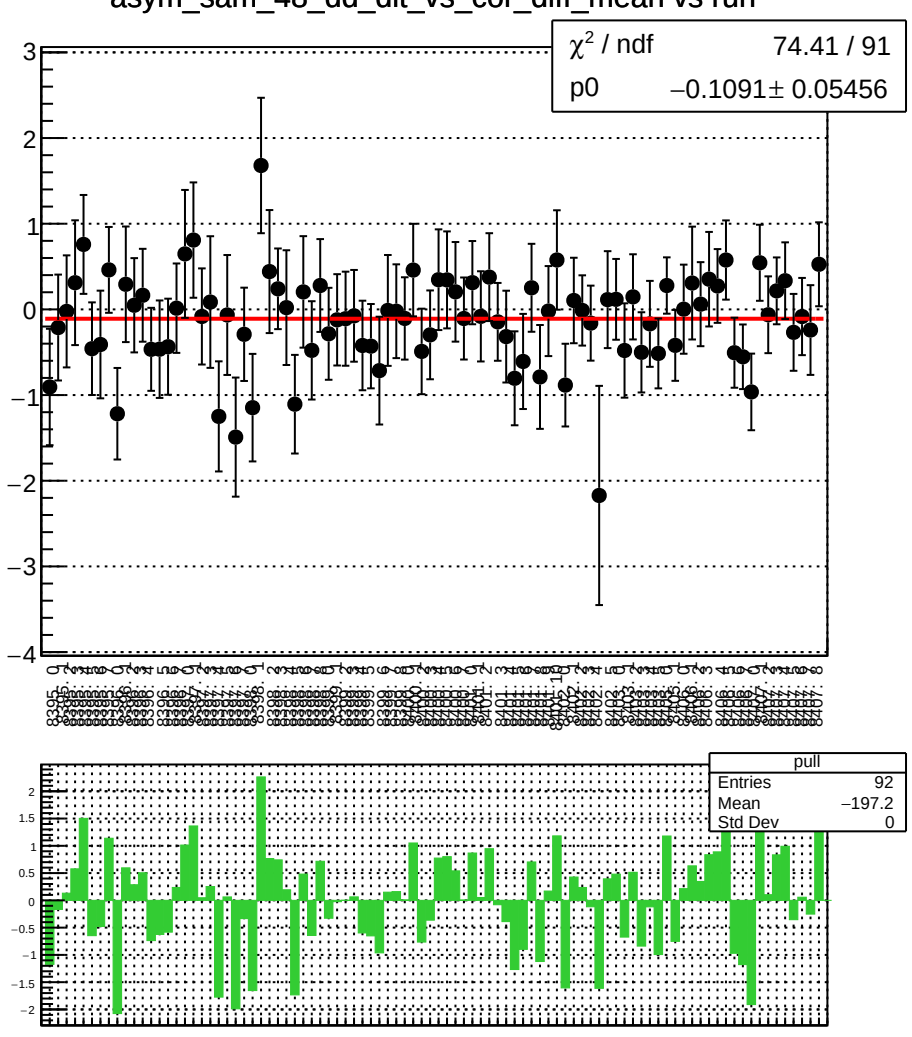

asym_sam_48_dd_mean vs run
χ² / ndf 72.37 / 91
p0 2075 ± 2074
pull
Entries 92
Mean 320.1
Std Dev 0

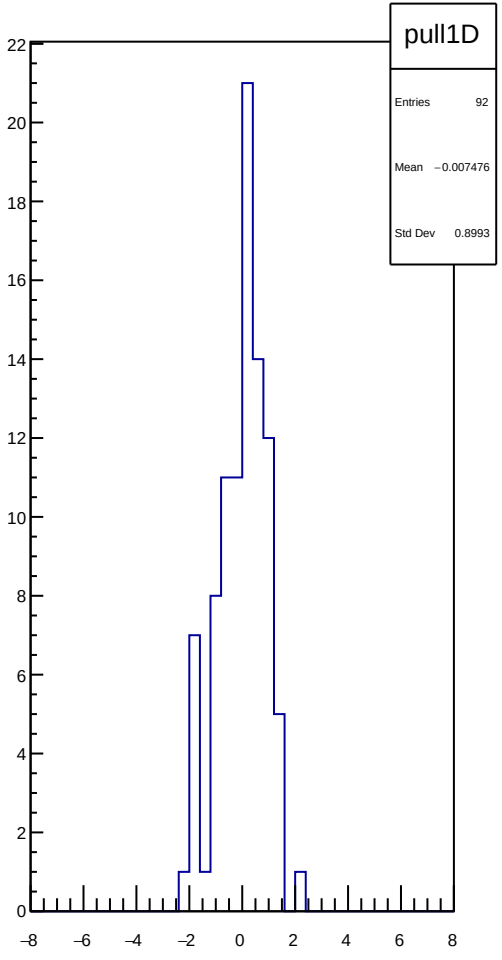

pull1D
Entries 92
Mean 0.000102
Std Dev 0.8869

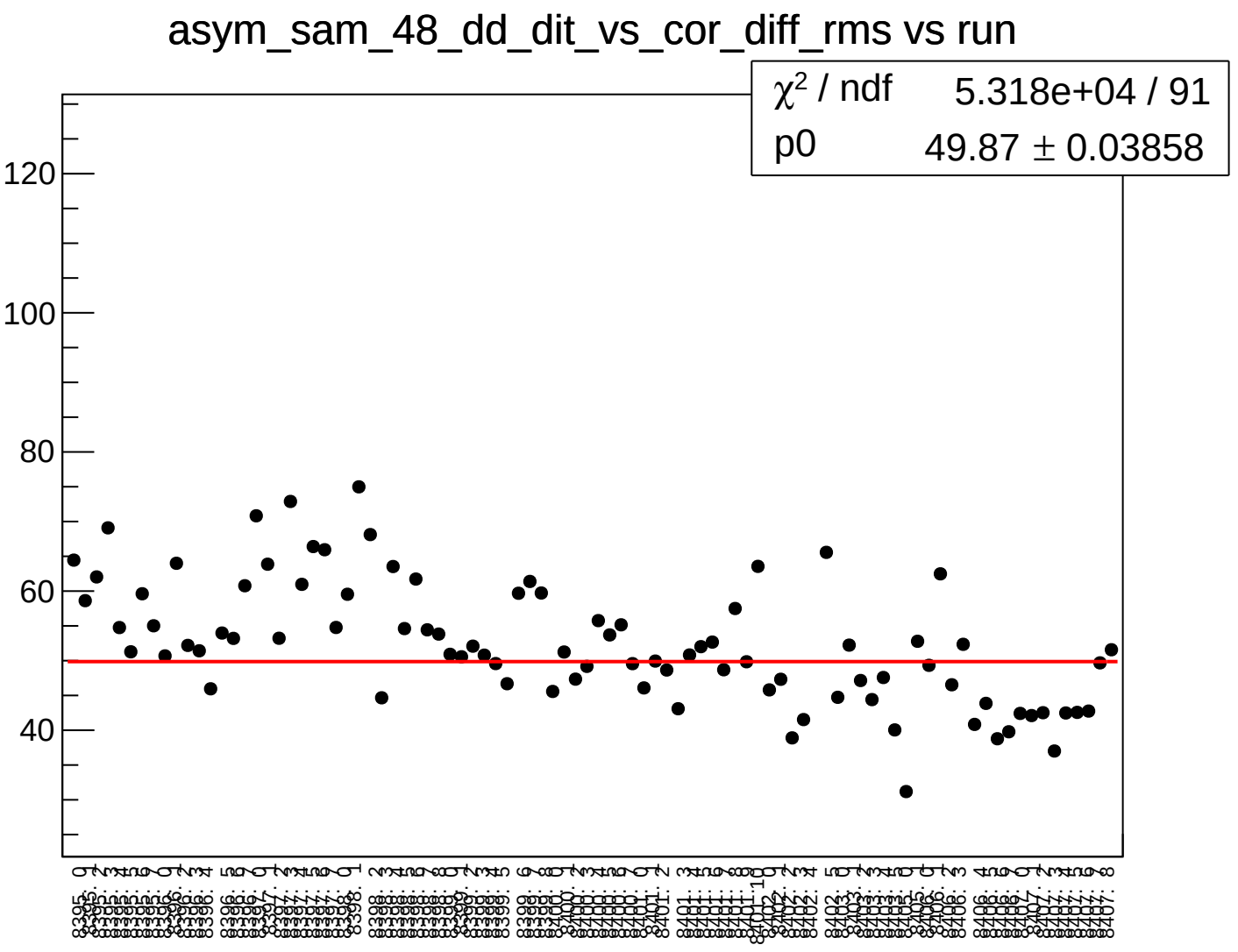

asym_sam_48_dd_rms vs run
χ² / ndf 3228 / 91
p0 1924 ± 1.467
2150
2100
2050
2000
1950
1900
1850
1800
1750

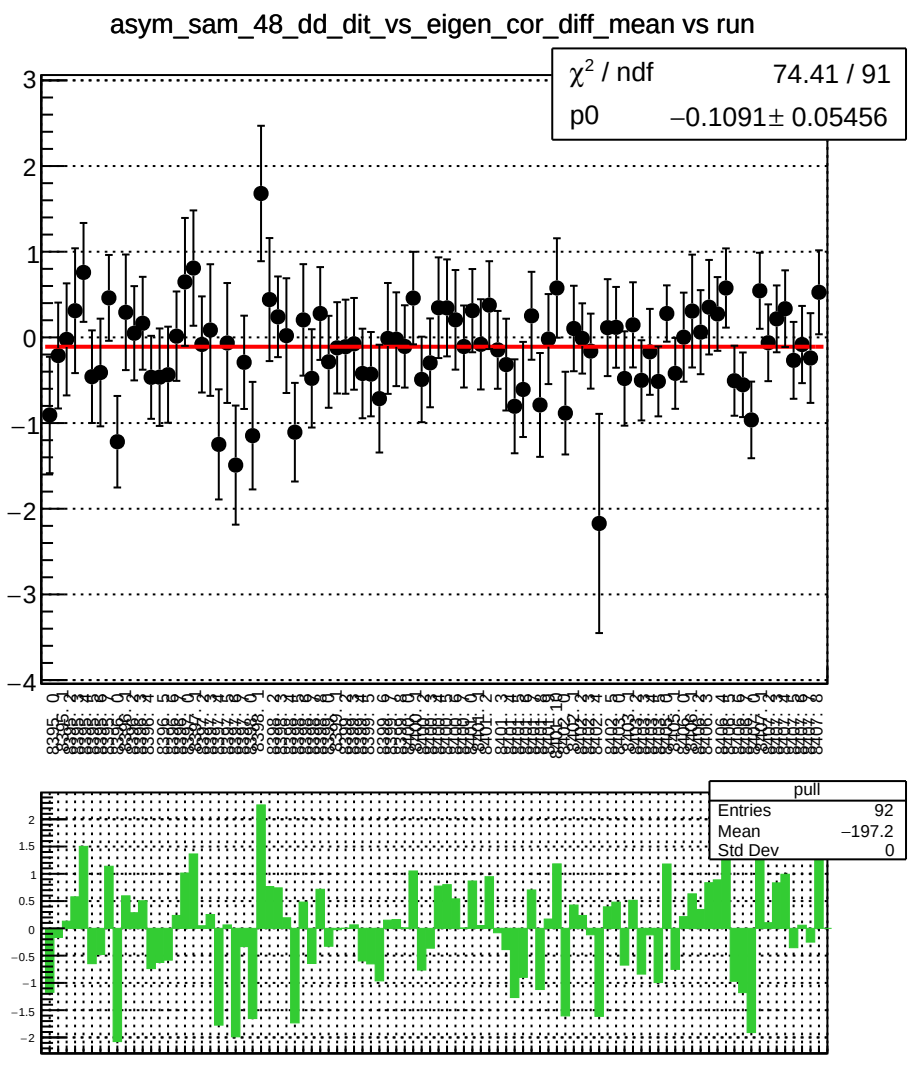

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 79.36 / 91
p0 7.976e−14 ± 1.797e−13
0.004
0.003
0.002
0.001
0
−0.001
pull
Entries 92
Mean −6.07
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.03889
Std Dev 0.9279
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

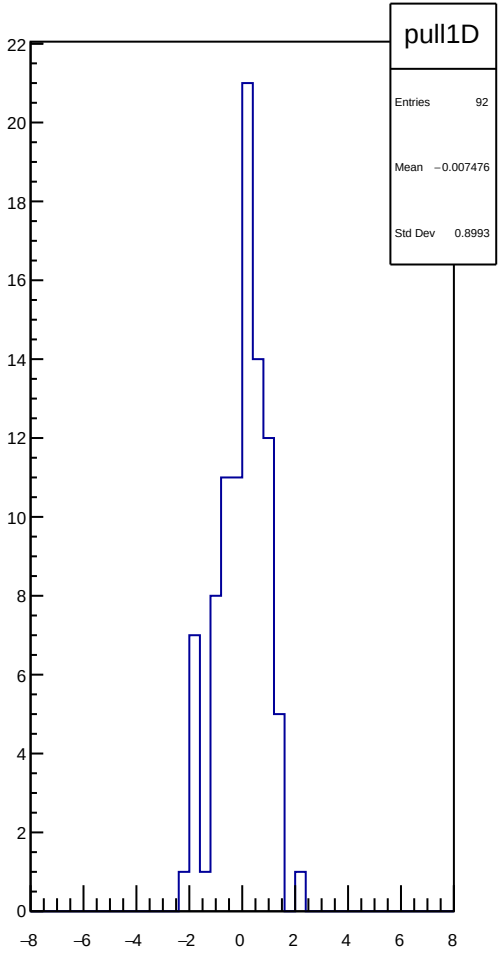

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.043e+06 / 91
p0 1.048e−10 ± 1.271e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

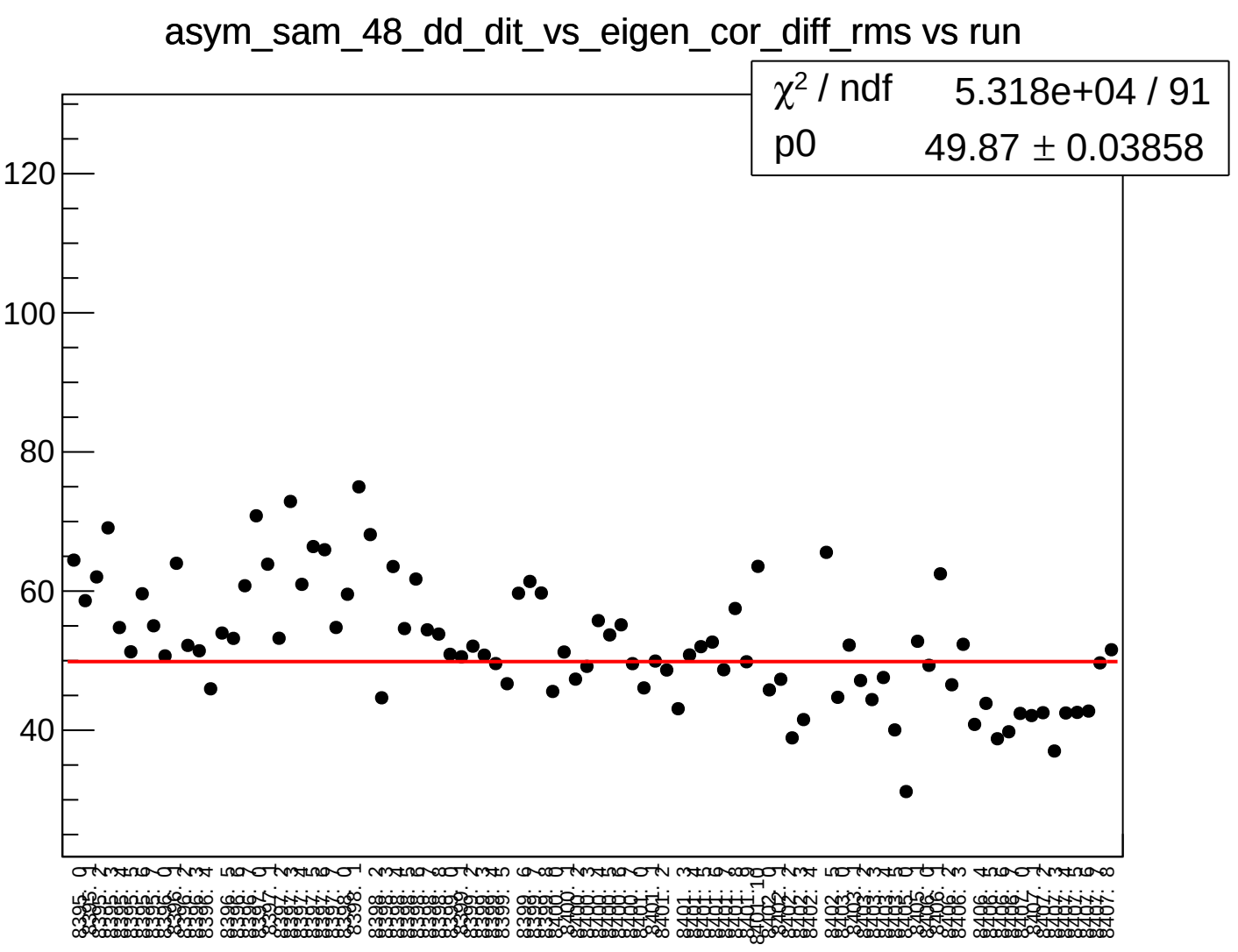

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.41 / 91
p0 −0.1091± 0.05456
pull
Entries 92
Mean −197.2
Std Dev 0

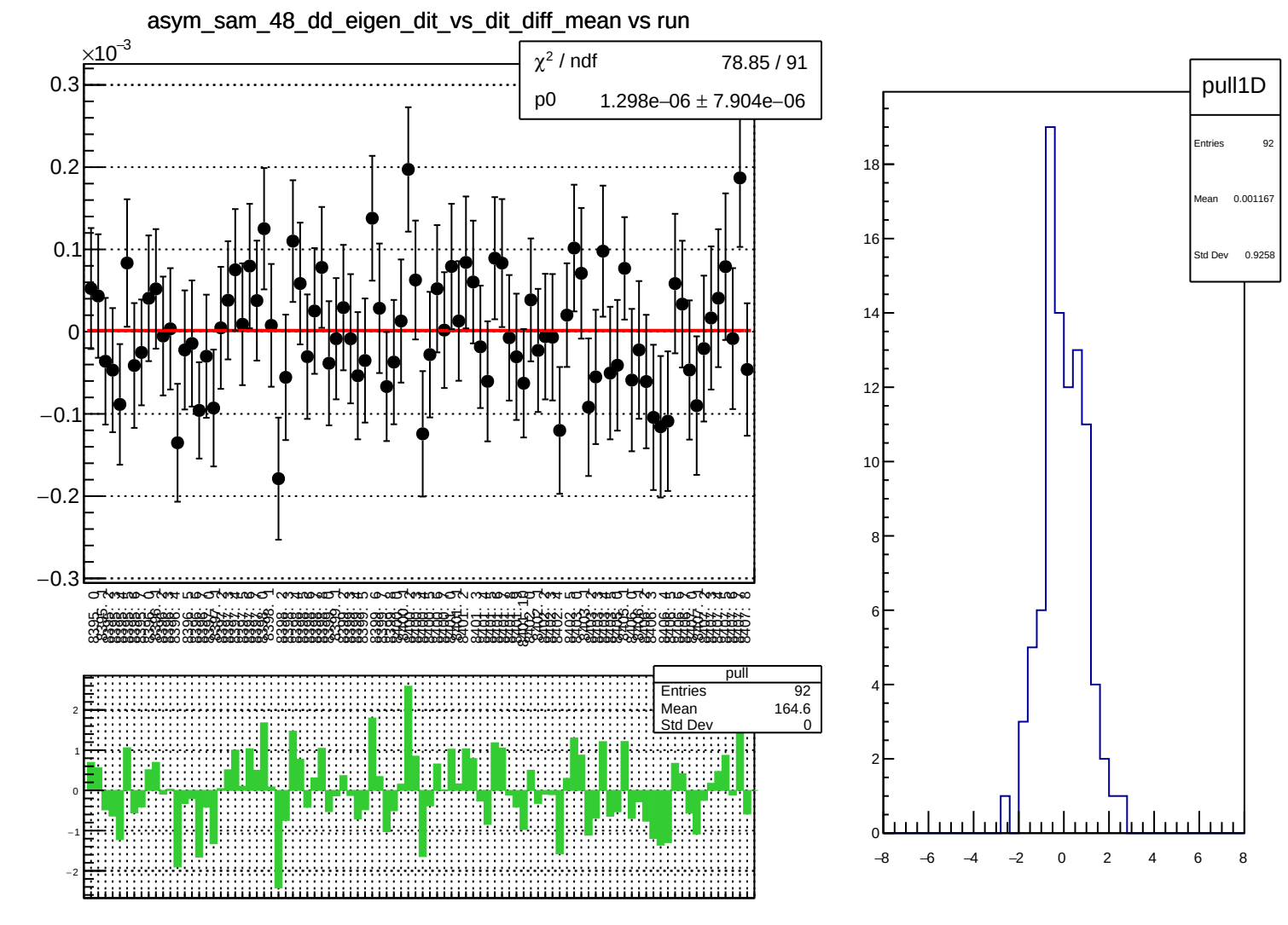

pull1D
Entries 92
Mean −0.007476
Std Dev 0.8993

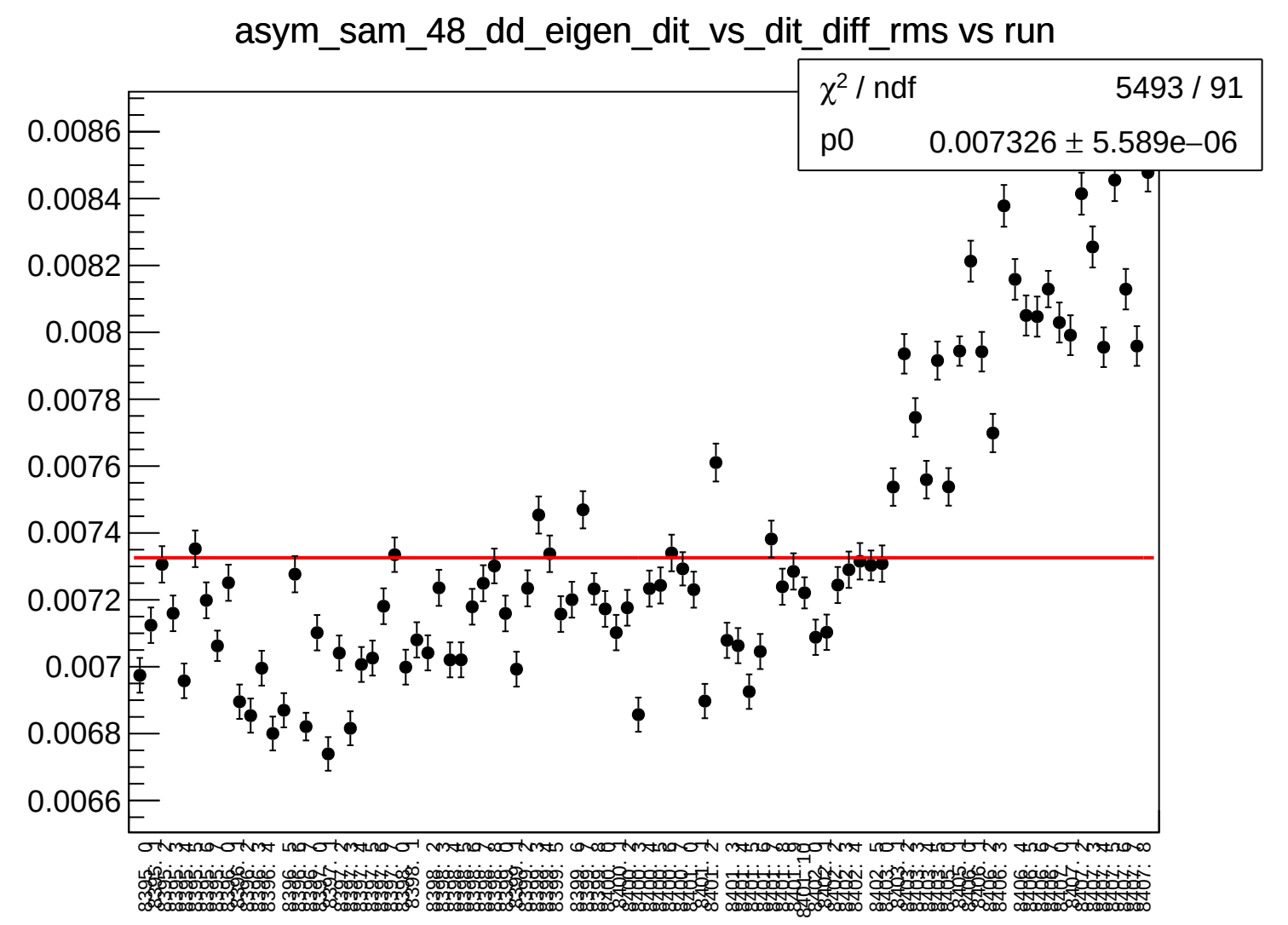

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.318e+04 / 91
p0 49.87 ± 0.03858
120
100
80
60
40

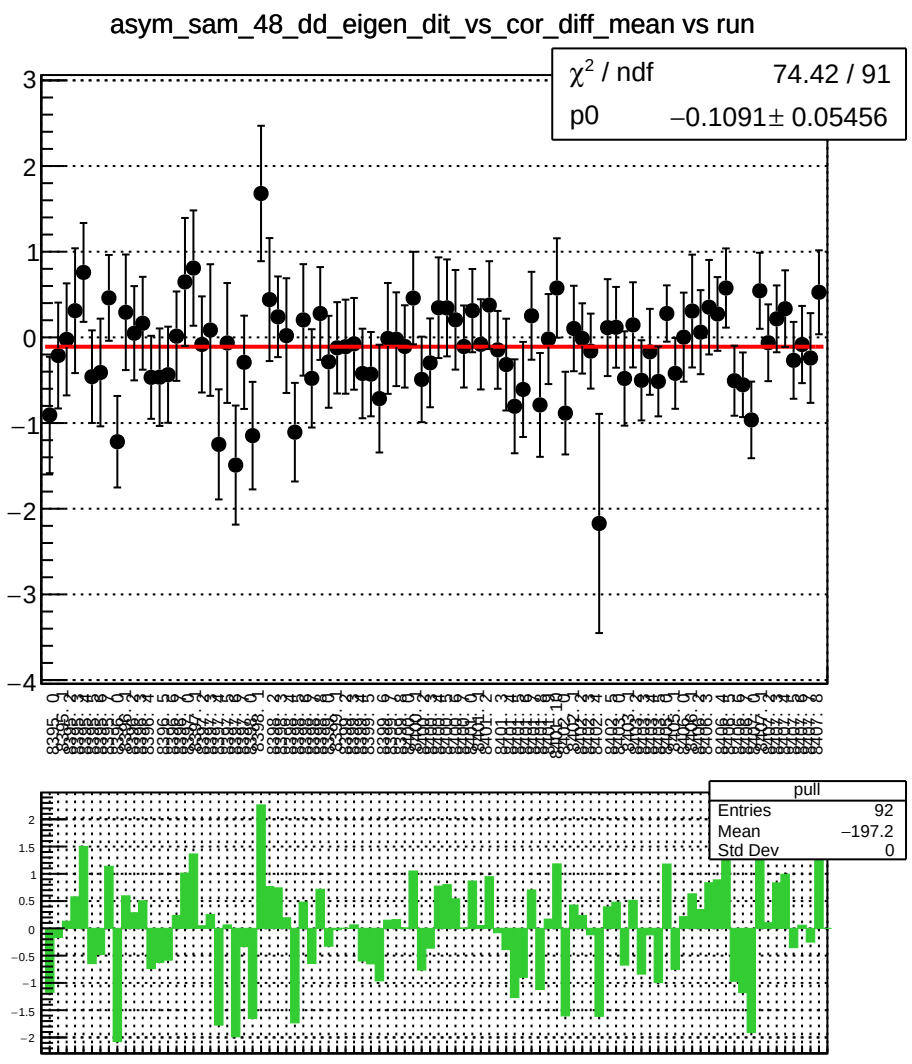

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.41 / 91
p0 −0.1091± 0.05456
pull
Entries 92
Mean −197.2
Std Dev 0

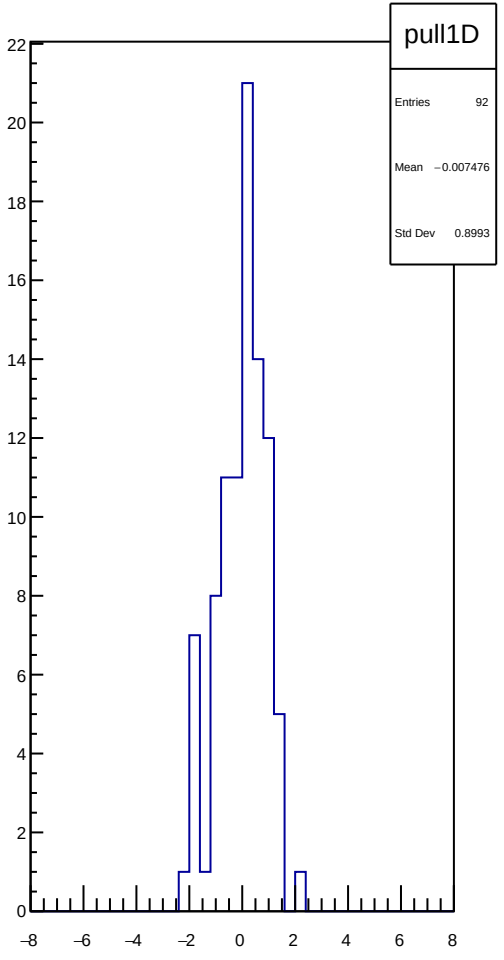

pull1D
Entries 92
Mean −0.007476
Std Dev 0.8993

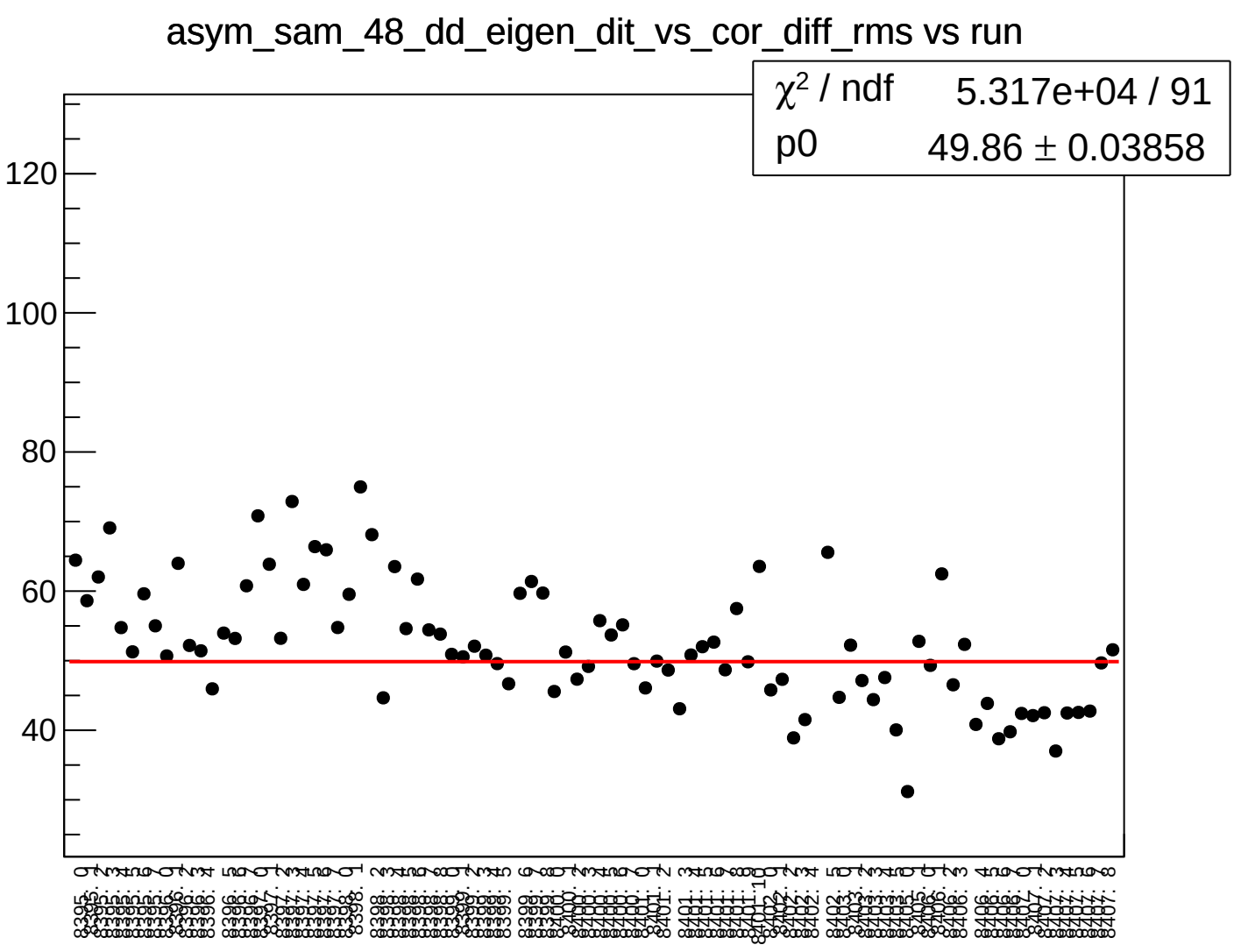

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.318e+04 / 91
p0 49.87 ± 0.03858
120
100
80
60
40

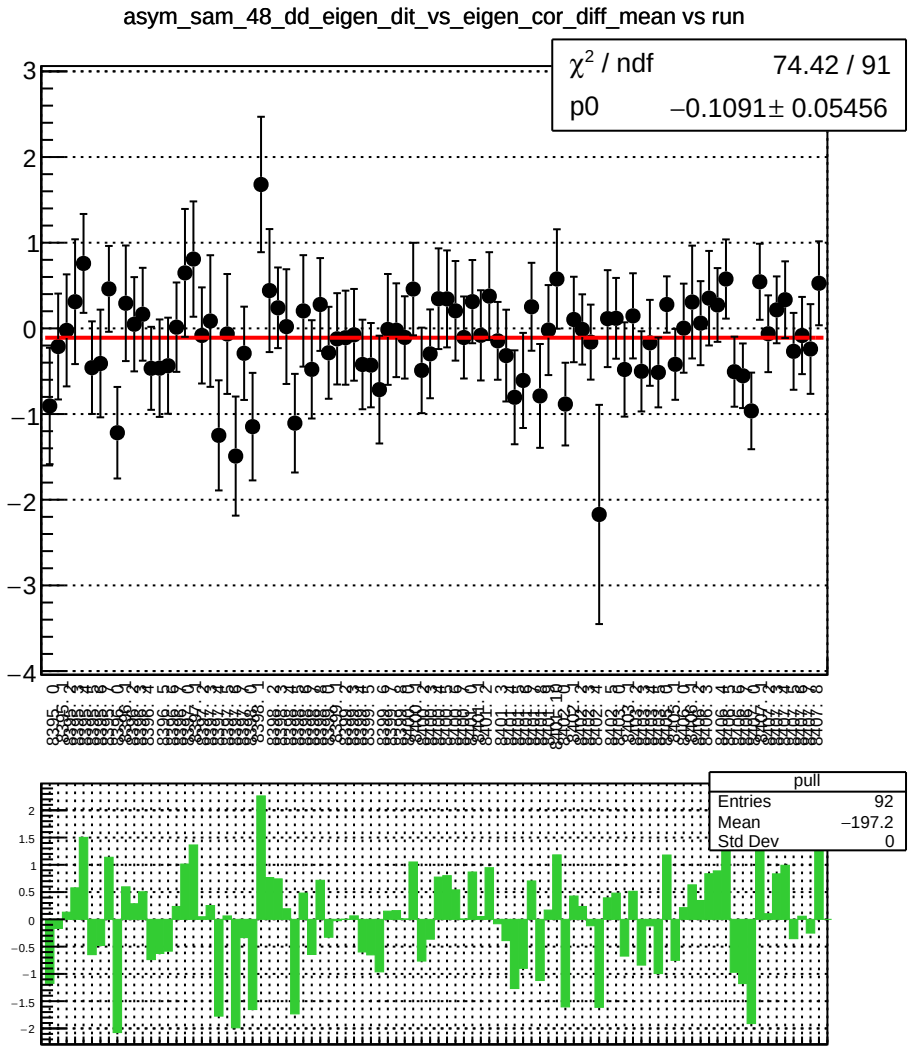

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.85 / 91
p0 1.298e−06 ± 7.904e−06
pull
Entries 92
Mean 164.6
Std Dev 0
pull1D
Entries 92
Mean 0.001167
Std Dev 0.9258

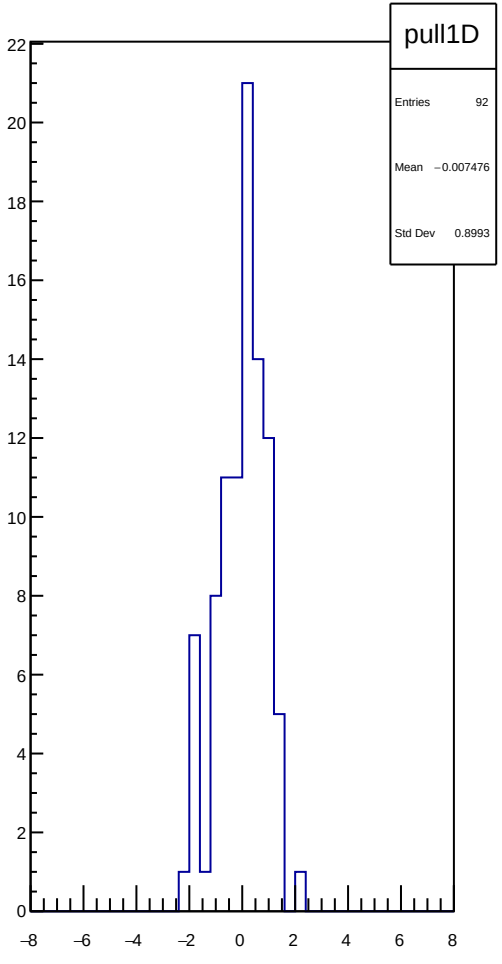

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5493 / 91
p0 0.007326 ± 5.589e−06
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066

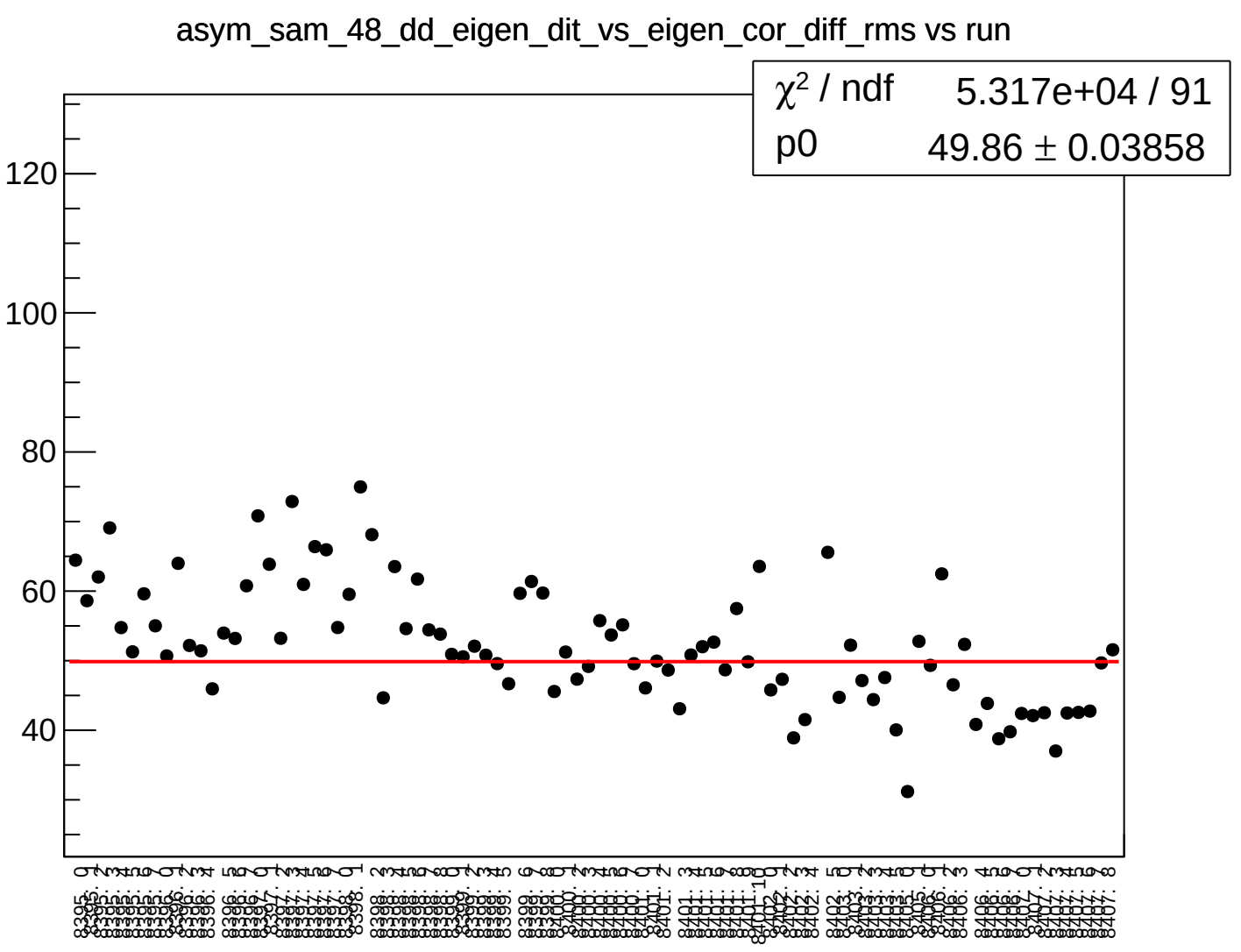

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.42 / 91
p0 −0.1091± 0.05456
pull
Entries 92
Mean −197.2
Std Dev 0

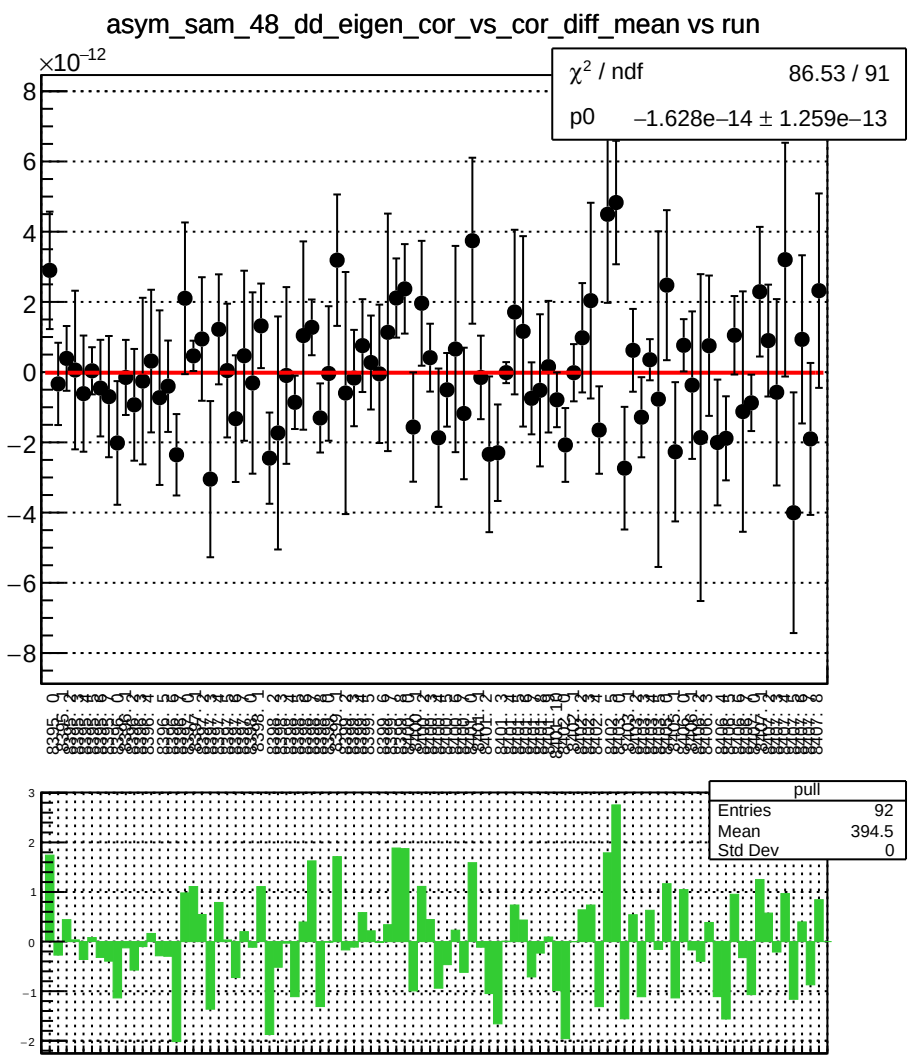

pull1D
Entries 92
Mean −0.007476
Std Dev 0.8993

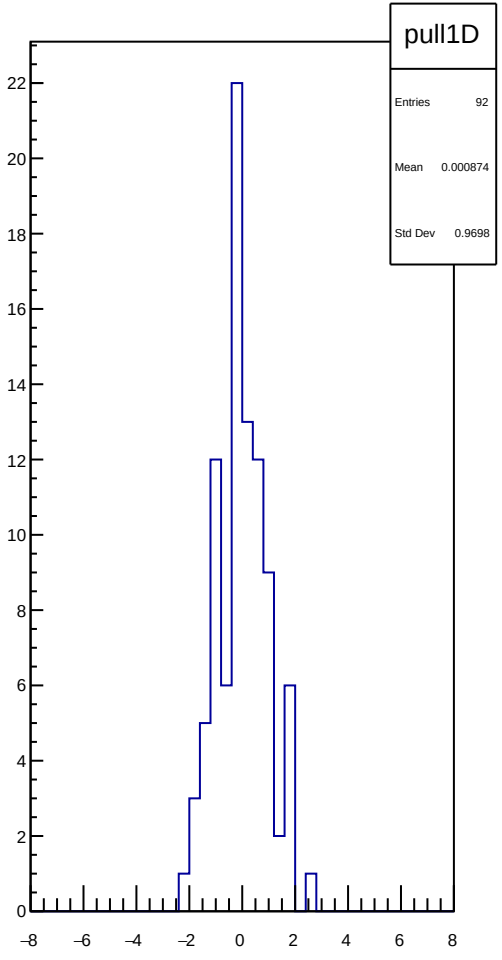

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.317e+04 / 91
p0 49.86 ± 0.03858
120
100
80
60
40

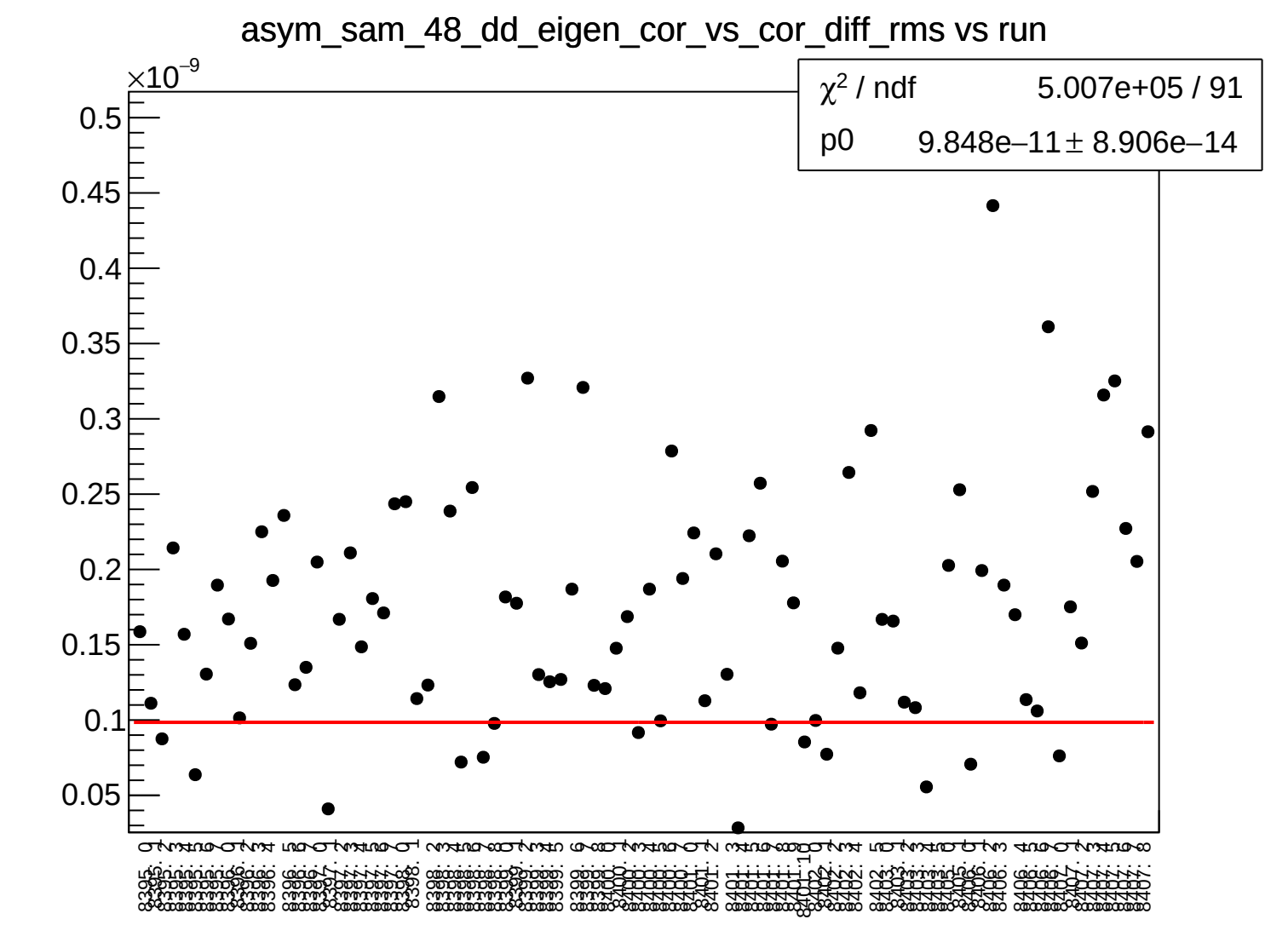

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.42 / 91
p0 −0.1091± 0.05456
pull
Entries 92
Mean −197.2
Std Dev 0

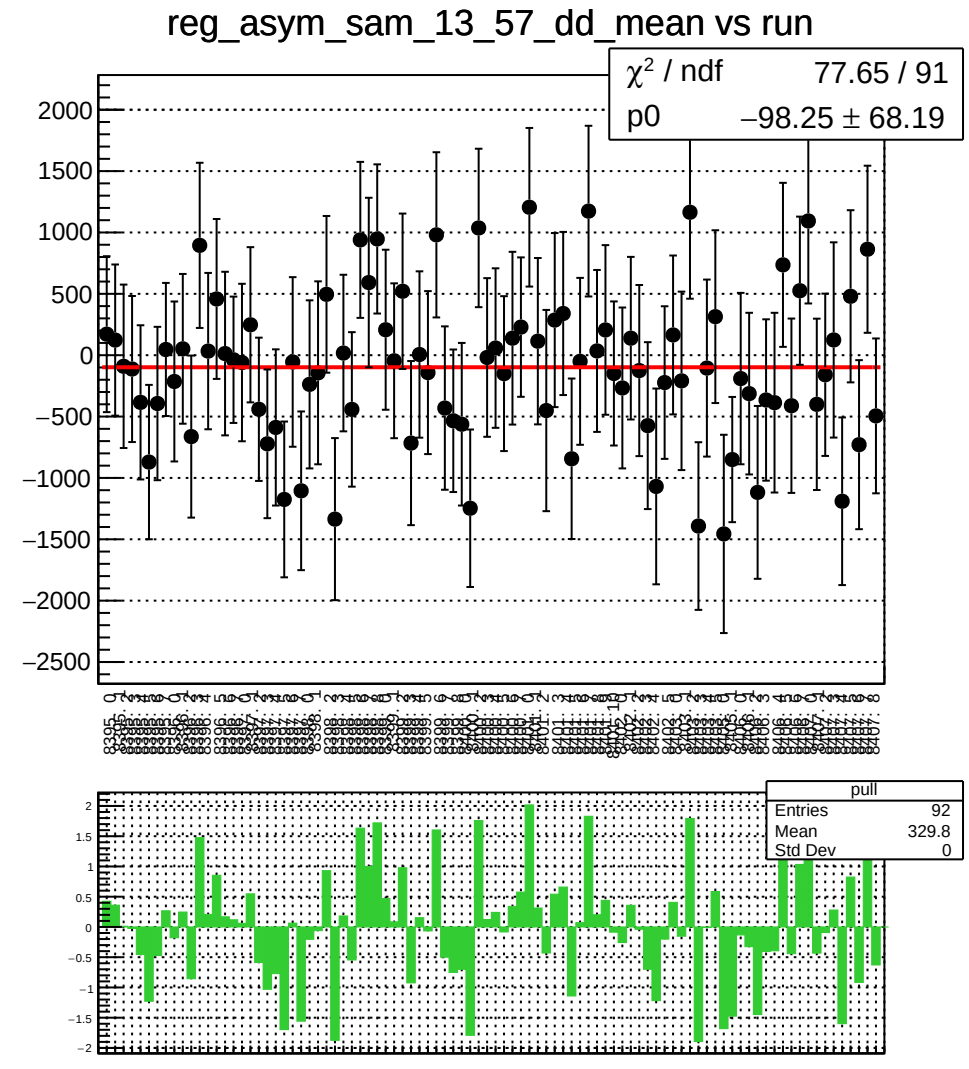

pull1D
Entries 92
Mean −0.007476
Std Dev 0.8993

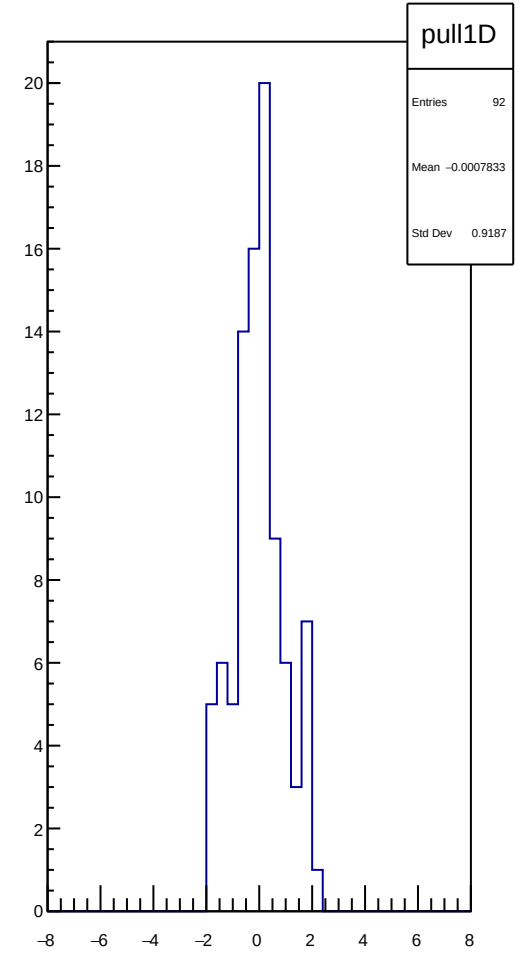

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.317e+04 / 91
p0 49.86 ± 0.03858
120
100
80
60
40

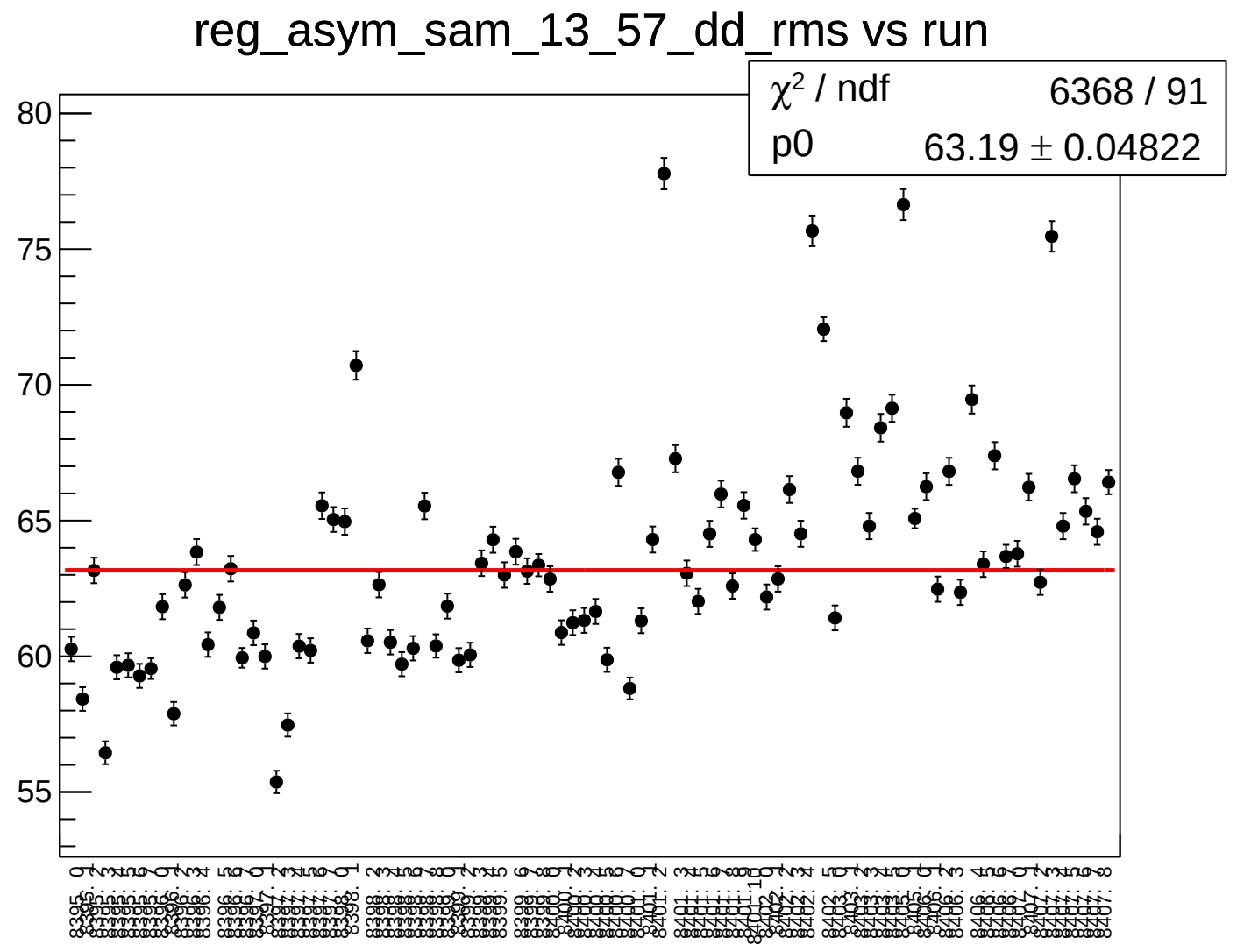

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.53 / 91
p0 −1.628e−14 ± 1.259e−13
pull
Entries 92
Mean 394.5
Std Dev 0

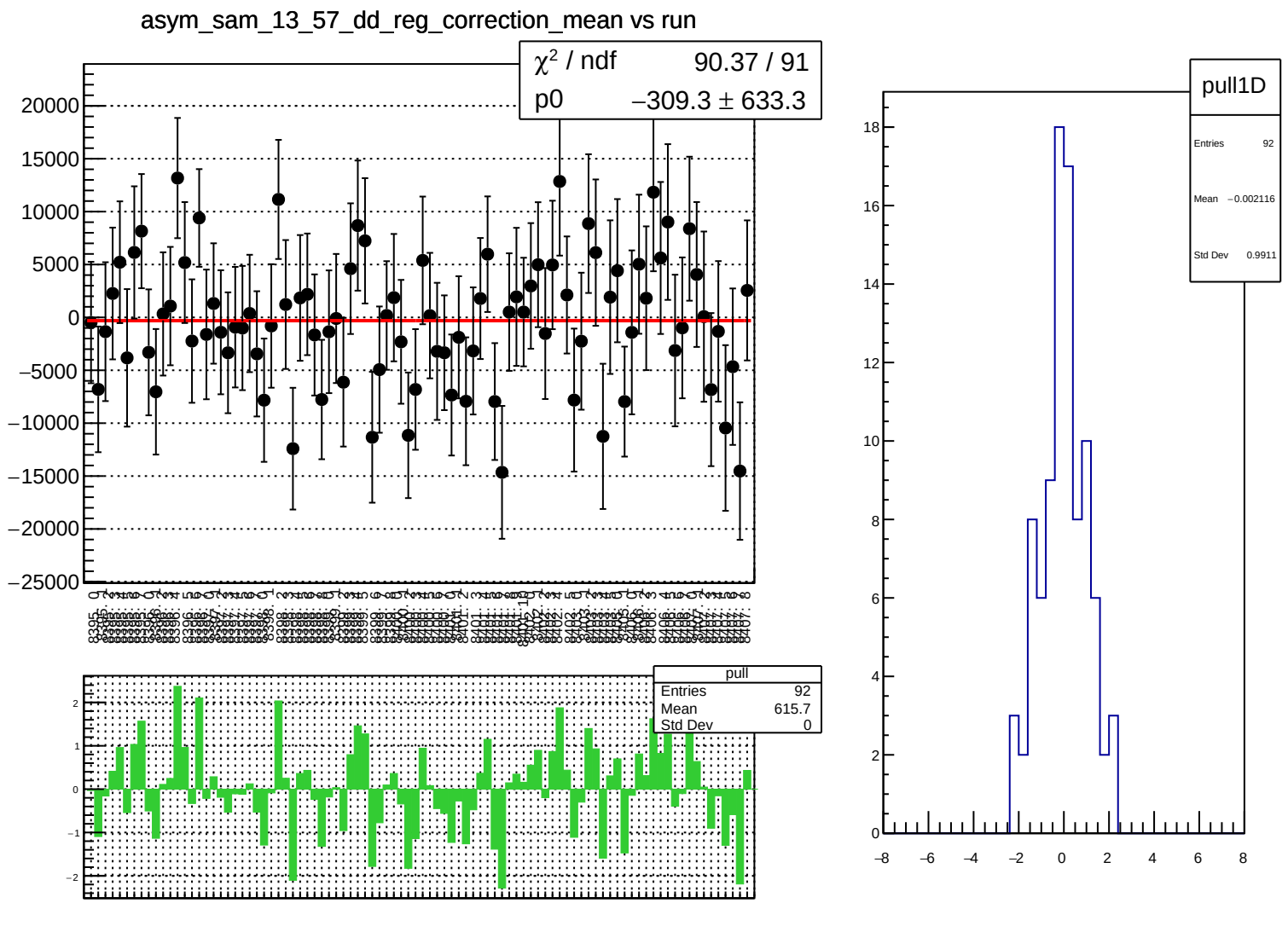

pull1D
Entries 92
Mean 0.000874
Std Dev 0.9698

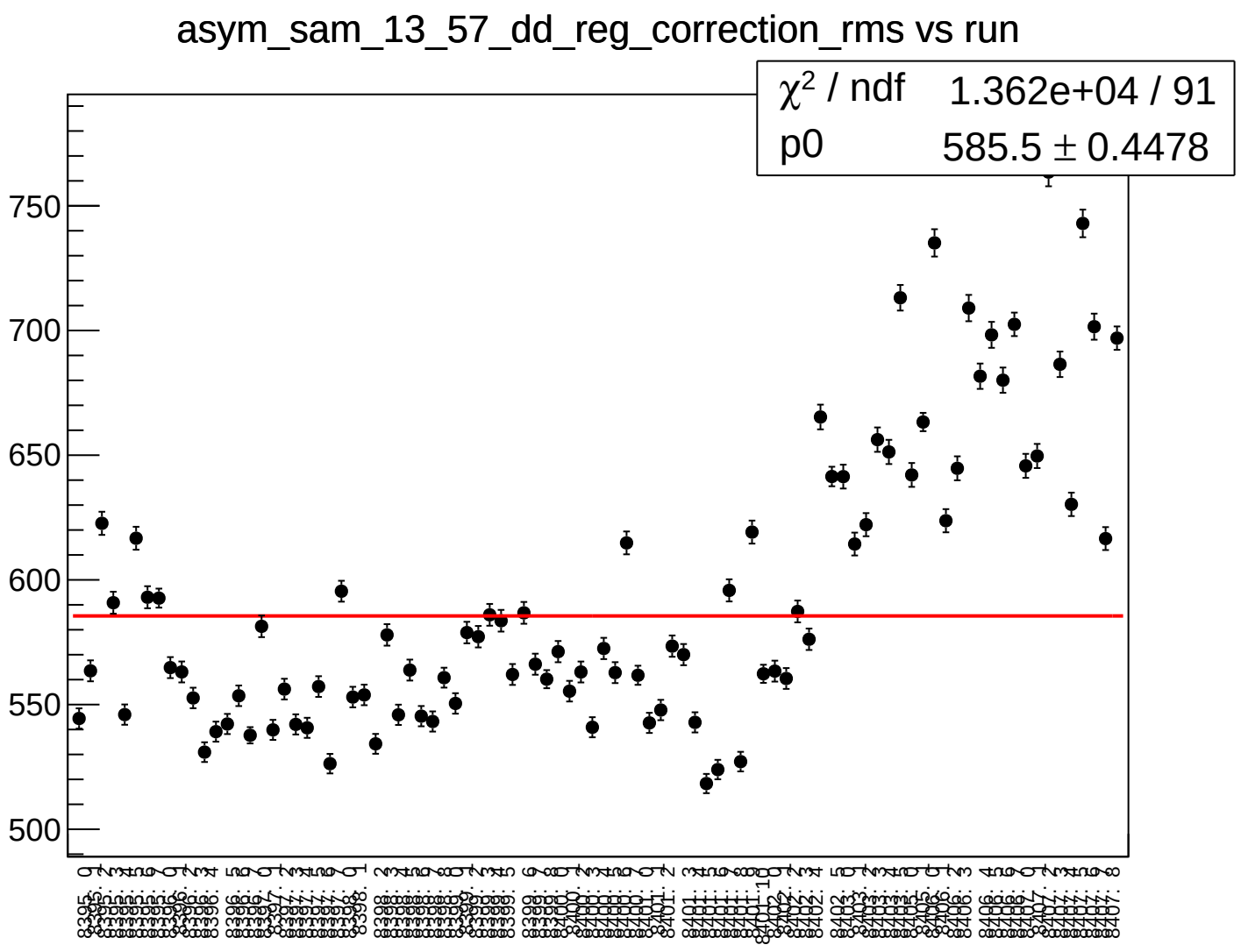

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.007e+05 / 91
p0 9.848e−11 ± 8.906e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

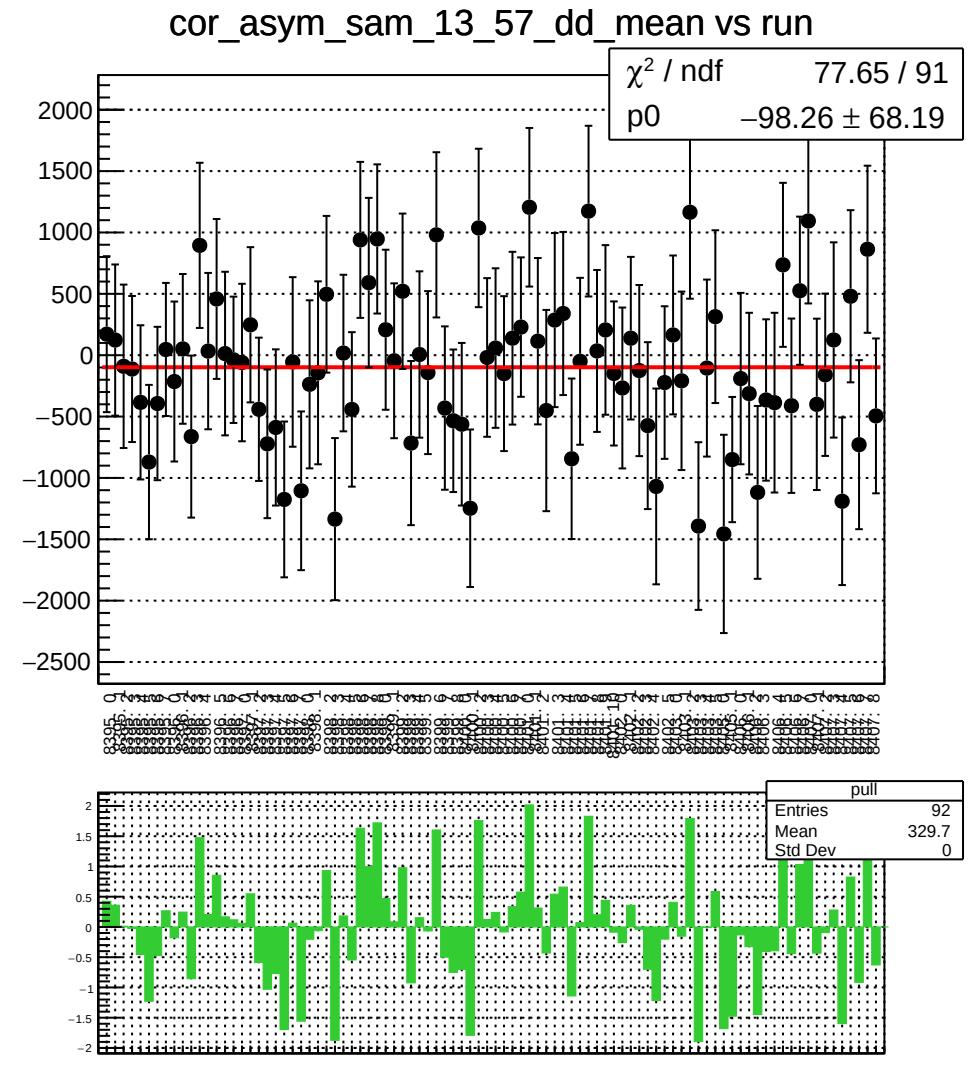

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 77.65 / 91
p0 −98.25 ± 68.19
pull
Entries 92
Mean 329.8
Std Dev 0

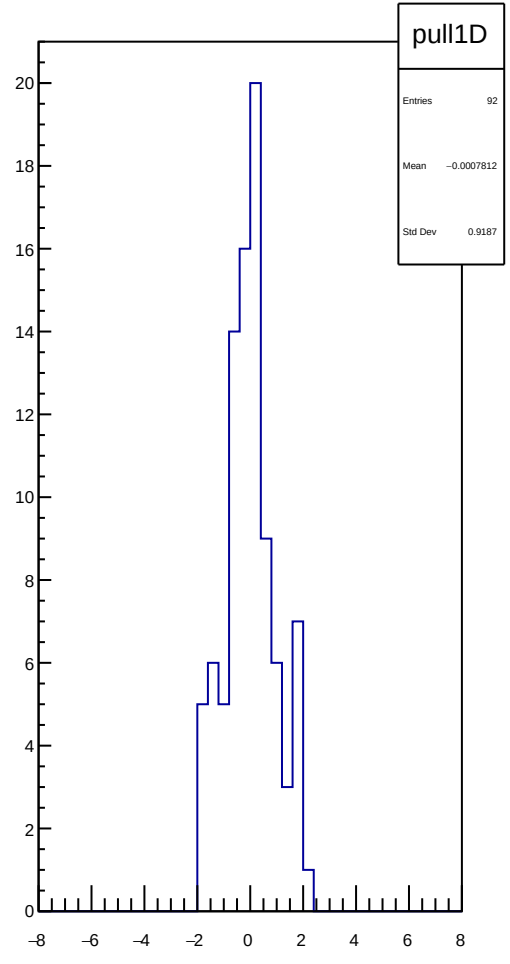

pull1D
Entries 92
Mean −0.0007833
Std Dev 0.9187

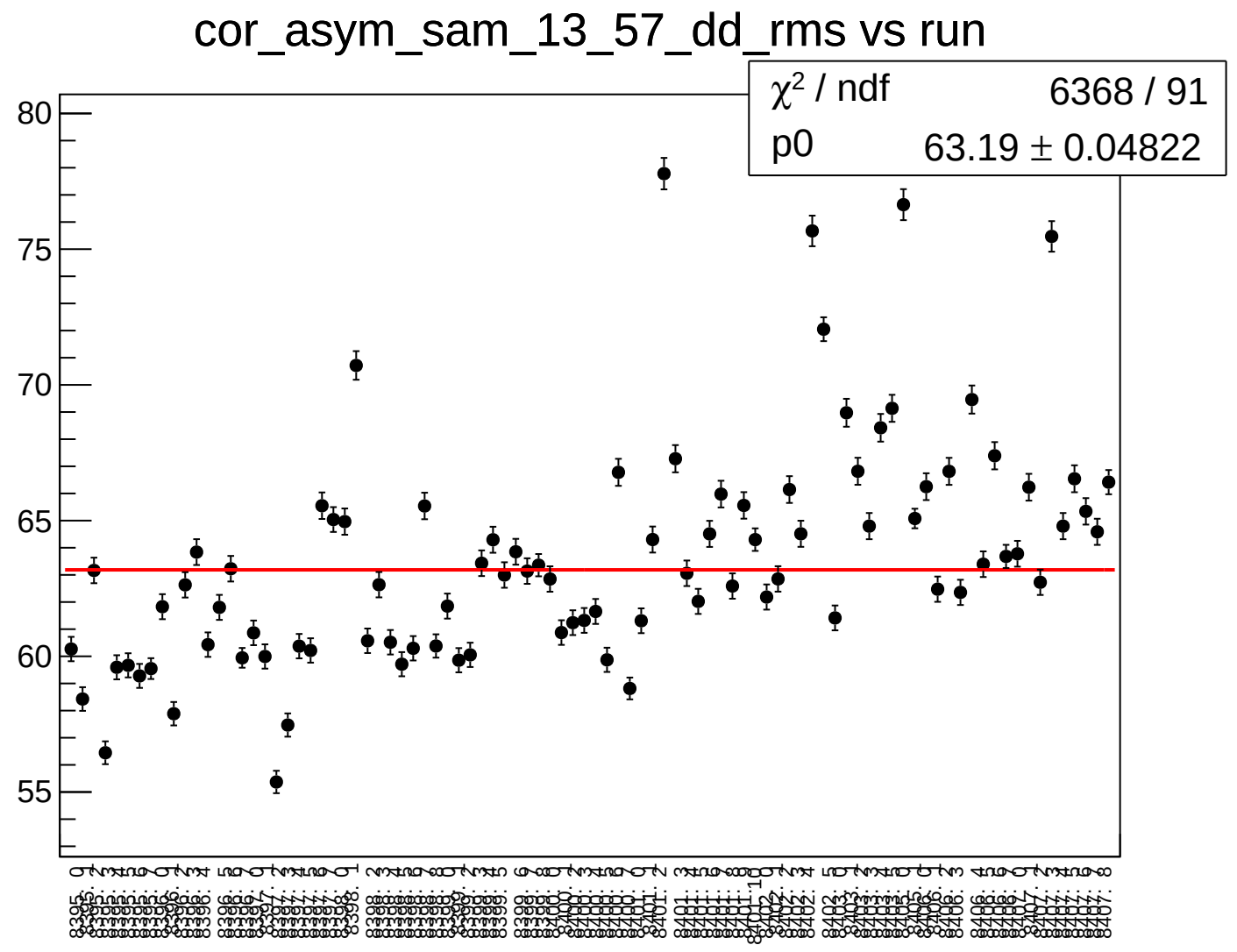

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 6368 / 91
p0 63.19 ± 0.04822
80
75
70
65
60
55

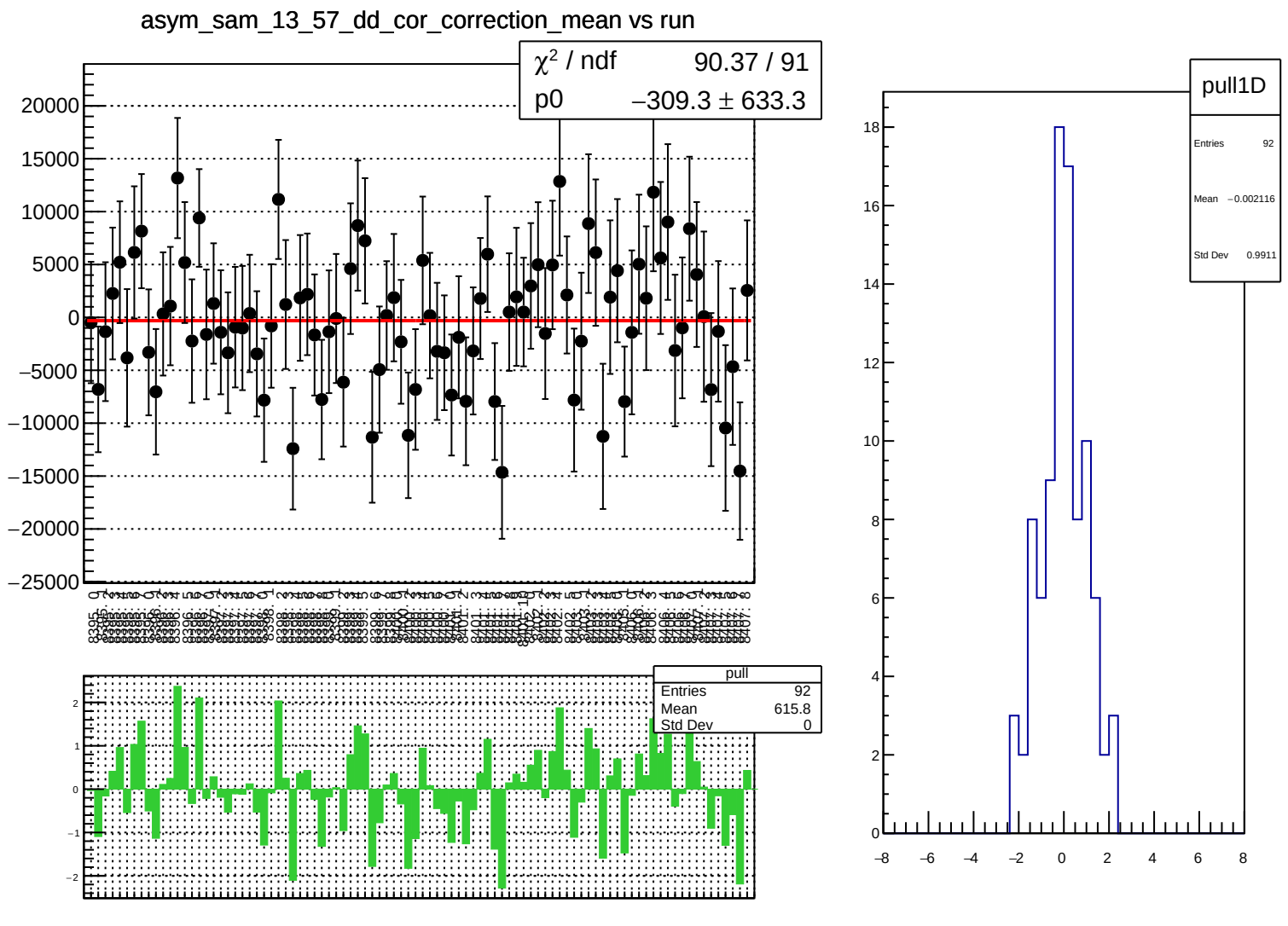

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 90.37 / 91
p0 −309.3 ± 633.3
pull
Entries 92
Mean 615.7
Std Dev 0
pull1D
Entries 92
Mean −0.002116
Std Dev 0.9911

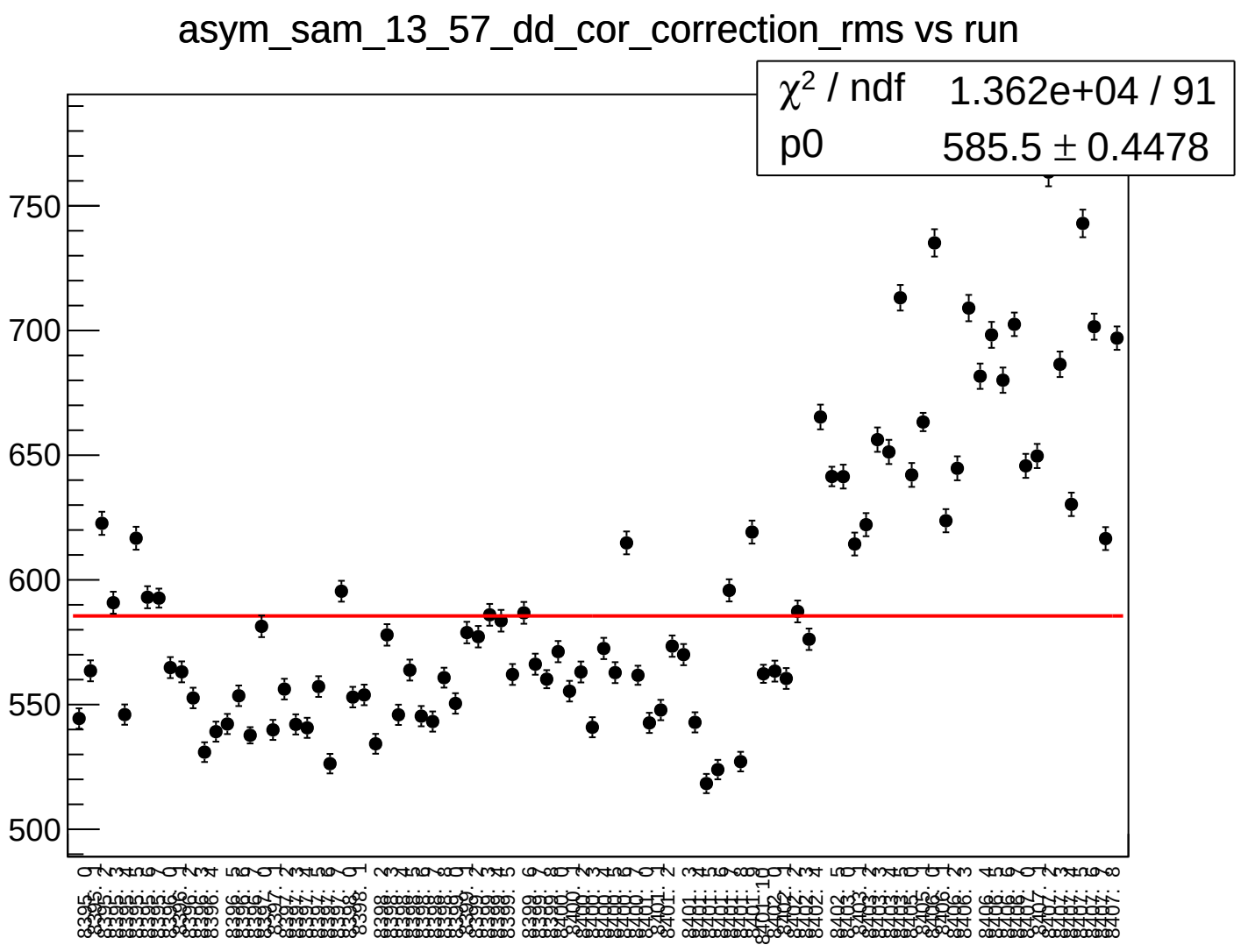

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 1.362e+04 / 91
p0 585.5 ± 0.4478
750
700
650
600
550
500

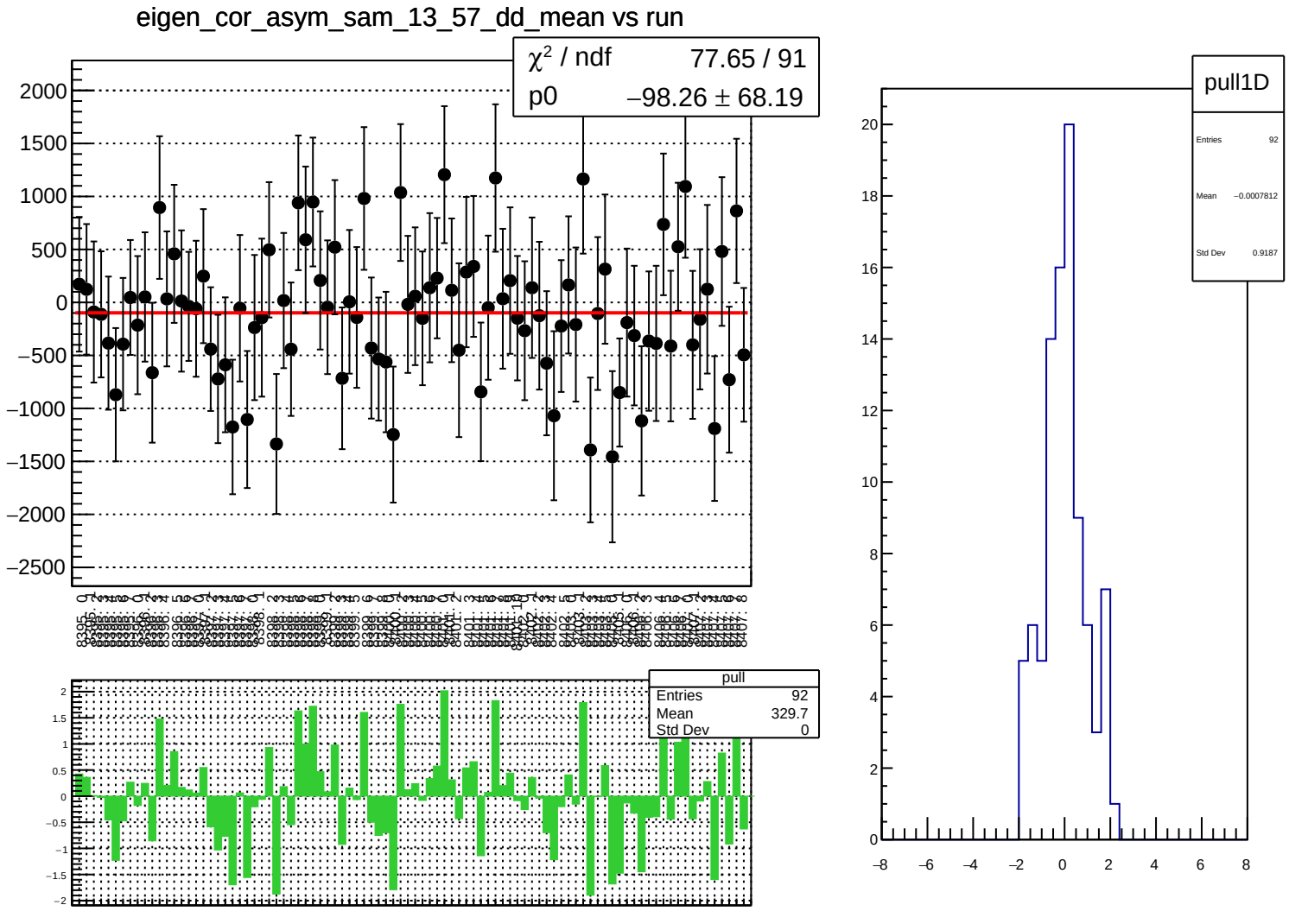

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 77.65 / 91
p0 −98.26 ± 68.19
pull
Entries 92
Mean 329.7
Std Dev 0

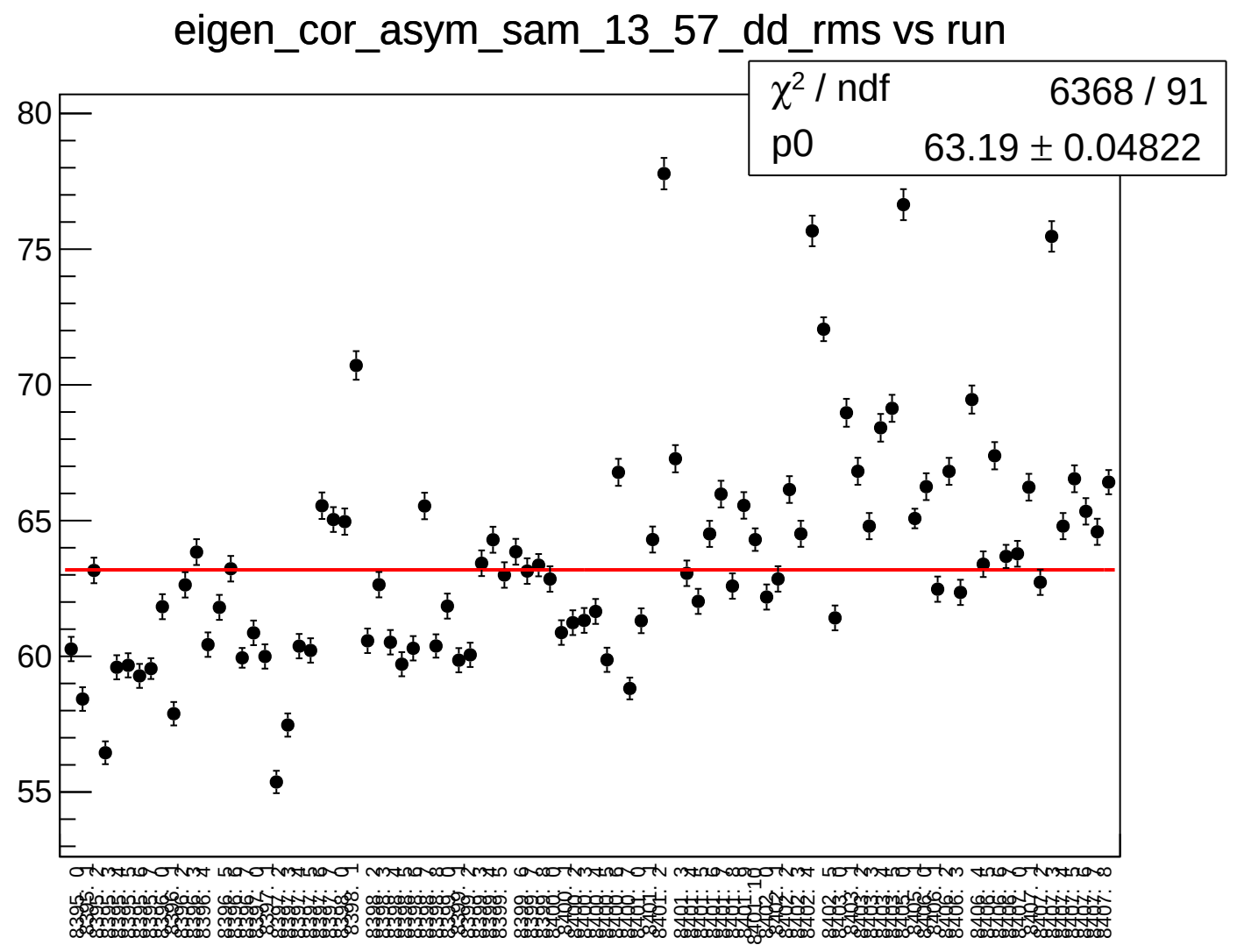

pull1D
Entries 92
Mean −0.0007812
Std Dev 0.9187

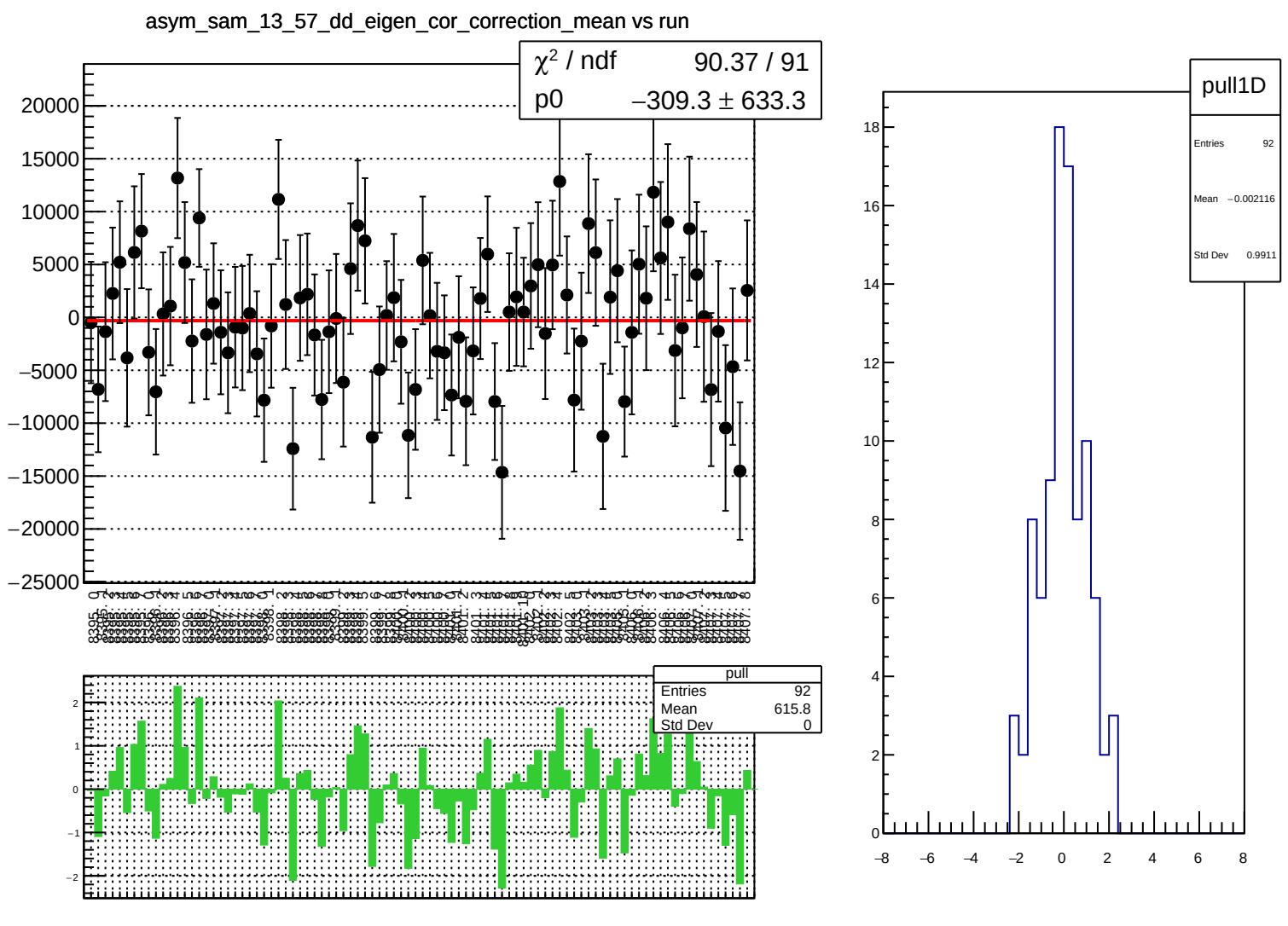

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 6368 / 91
p0 63.19 ± 0.04822
80
75
70
65
60
55

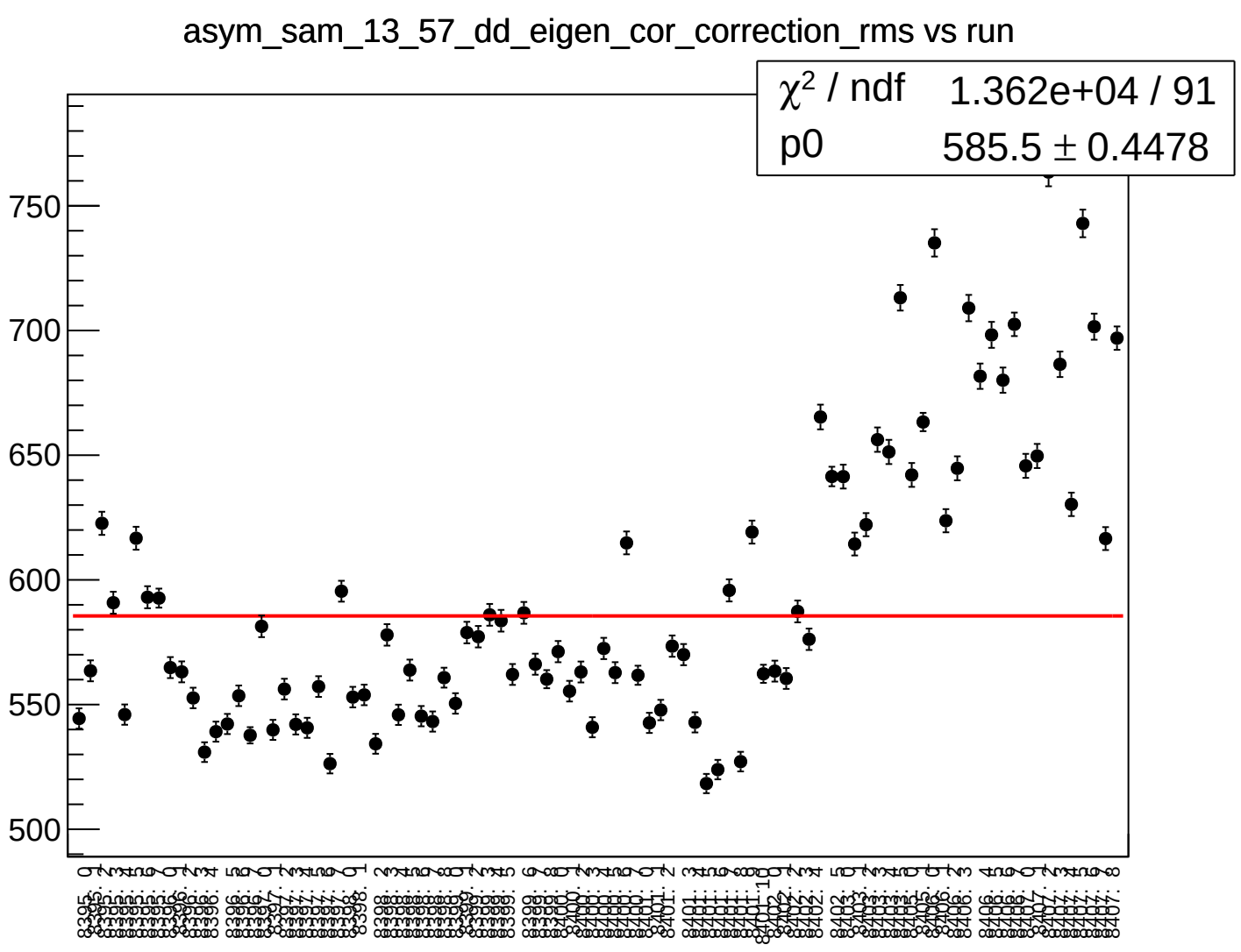

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 90.37 / 91
p0 −309.3 ± 633.3
pull
Entries 92
Mean 615.8
Std Dev 0
pull1D
Entries 92
Mean −0.002116
Std Dev 0.9911

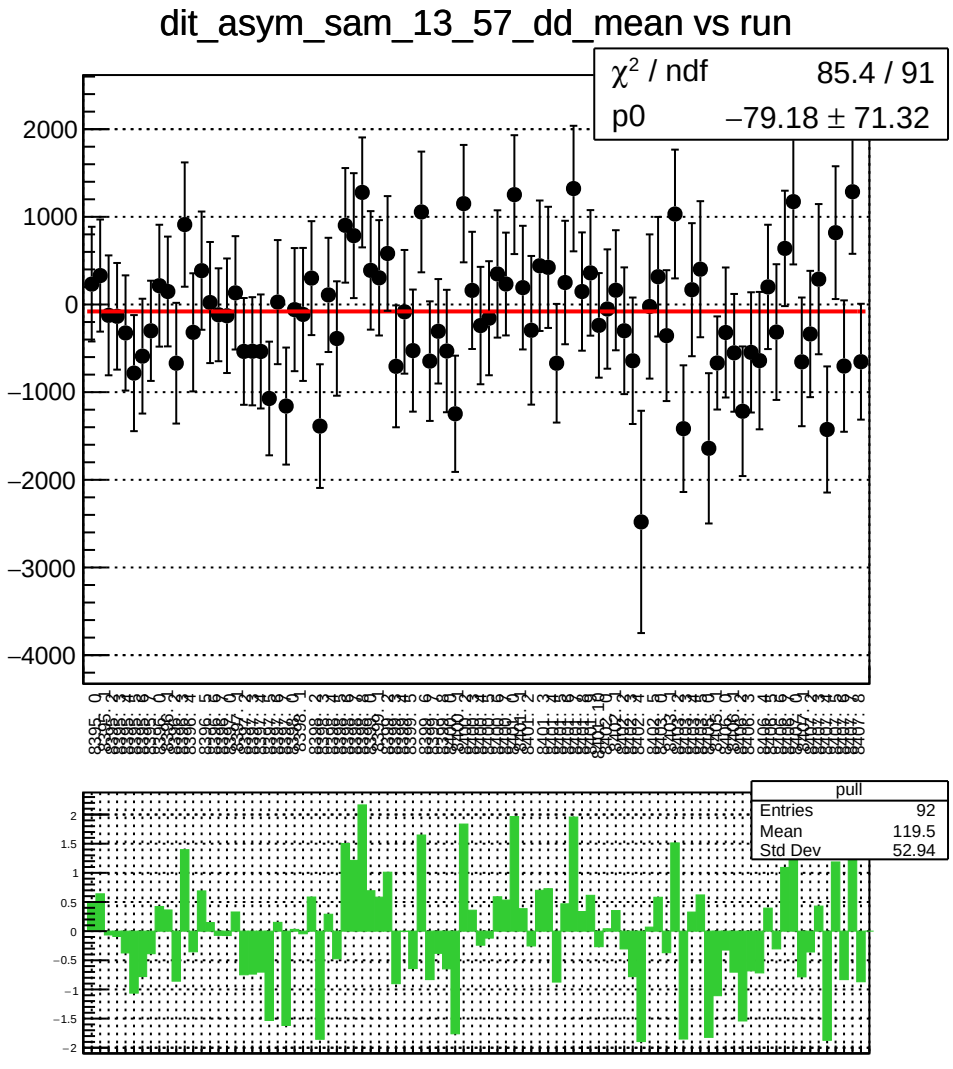

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 1.362e+04 / 91
p0 585.5 ± 0.4478
750
700
650
600
550
500

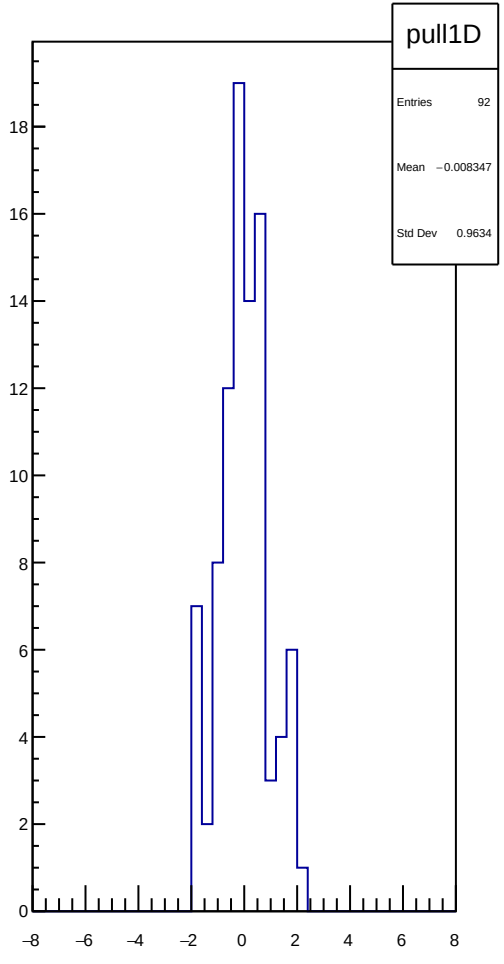

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 77.65 / 91
p0 −98.26 ± 68.19
pull
Entries 92
Mean 329.7
Std Dev 0
pull1D
Entries 92
Mean −0.0007812
Std Dev 0.9187

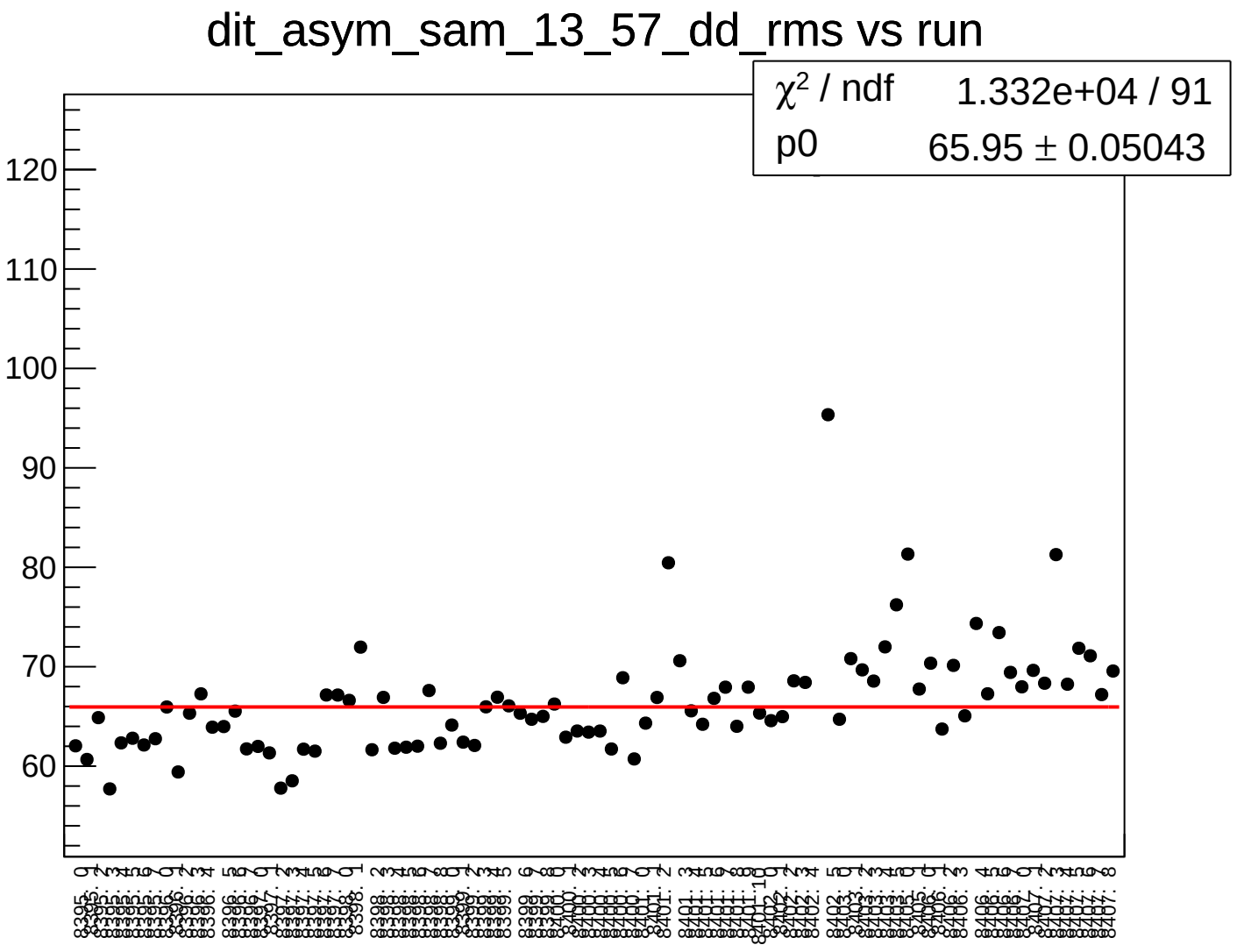

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 6368 / 91
p0 63.19 ± 0.04822
80
75
70
65
60
55

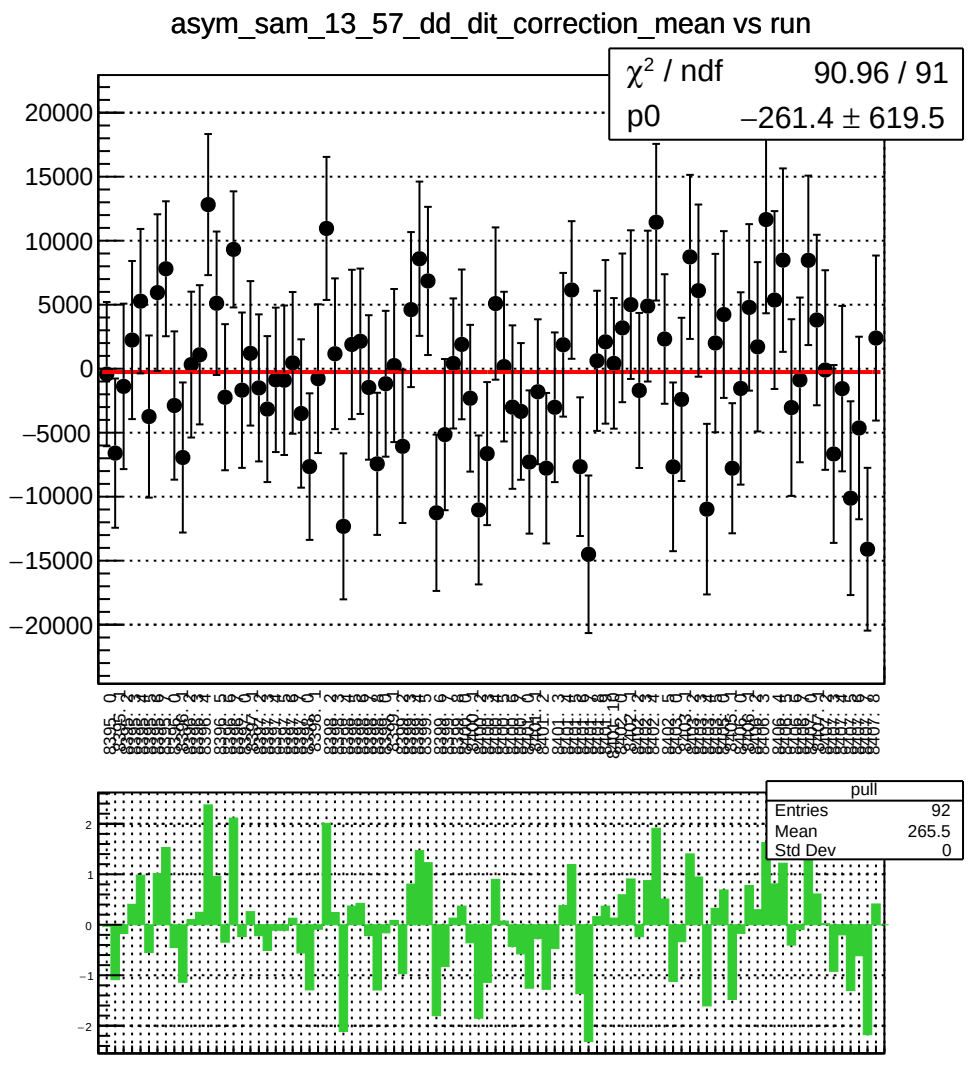

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 90.37 / 91
p0 −309.3 ± 633.3
pull
Entries 92
Mean 615.8
Std Dev 0
pull1D
Entries 92
Mean −0.002116
Std Dev 0.9911

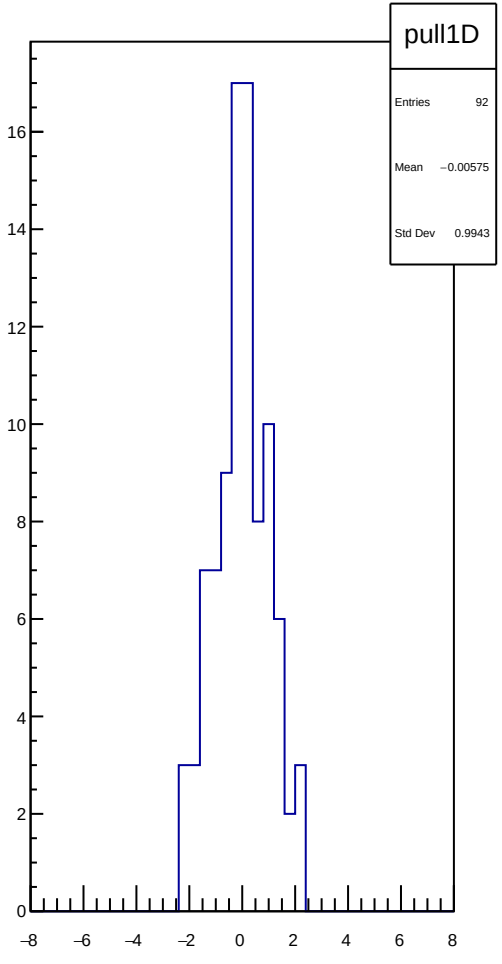

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.362e+04 / 91
p0 585.5 ± 0.4478
750
700
650
600
550
500

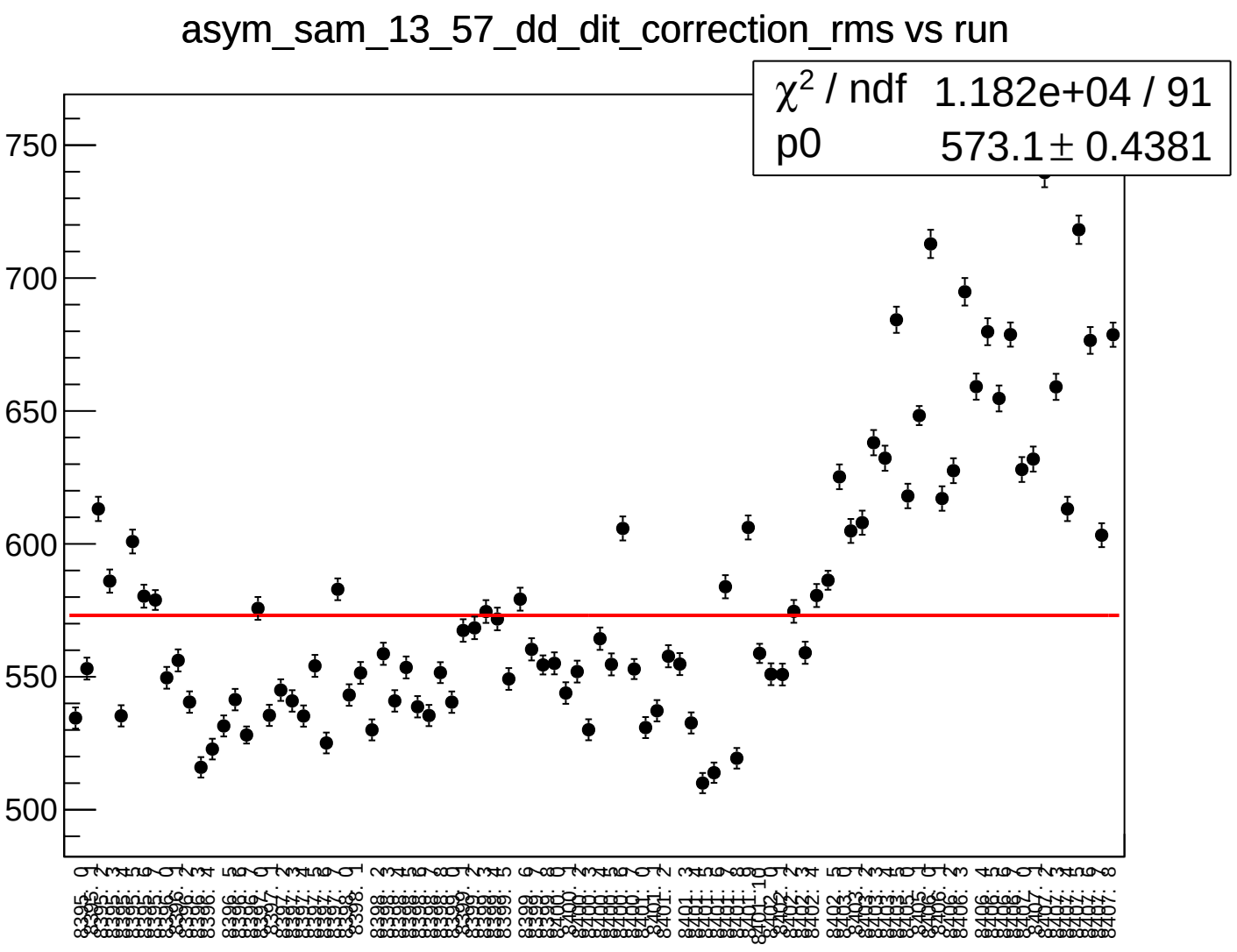

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 85.4 / 91
p0 −79.18 ± 71.32
pull
Entries 92
Mean 119.5
Std Dev 52.94

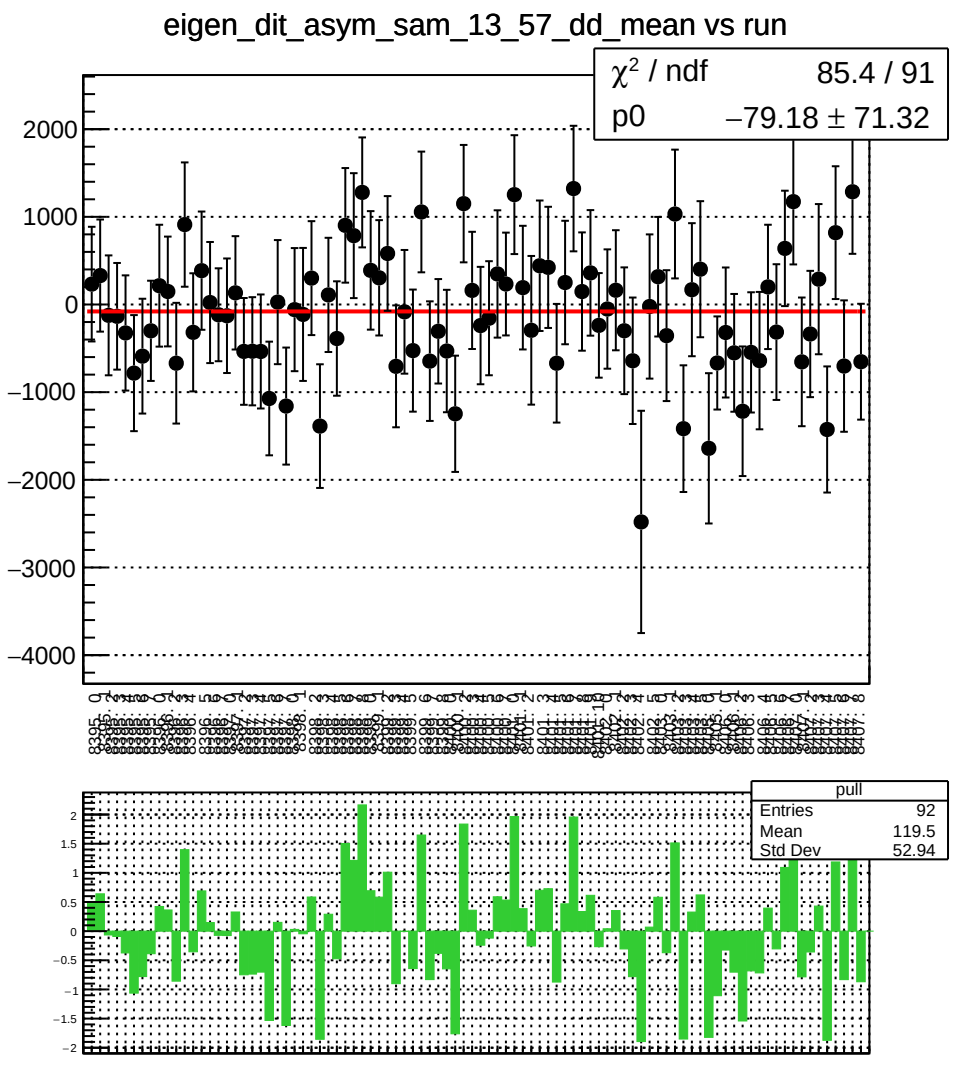

pull1D
Entries 92
Mean −0.008347
Std Dev 0.9634

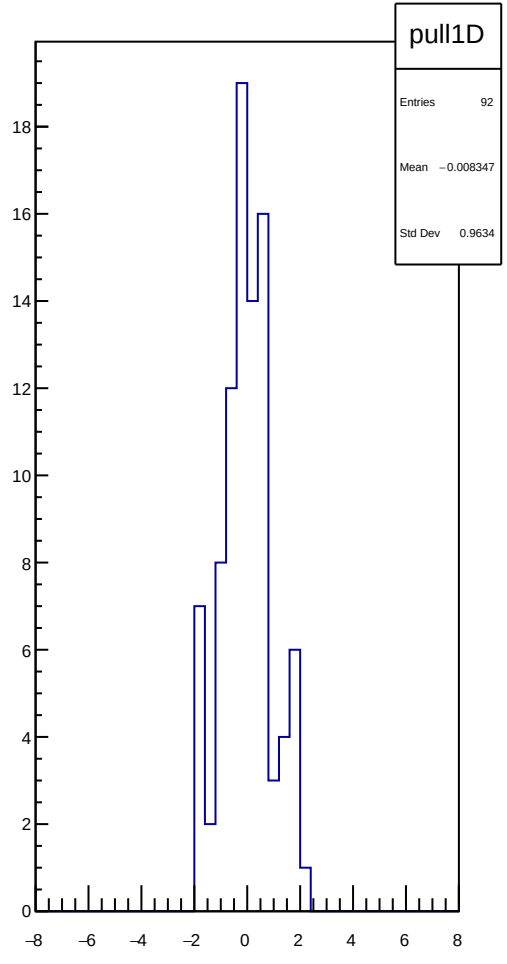

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.332e+04 / 91
p0 65.95 ± 0.05043
120
110
100
90
80
70
60

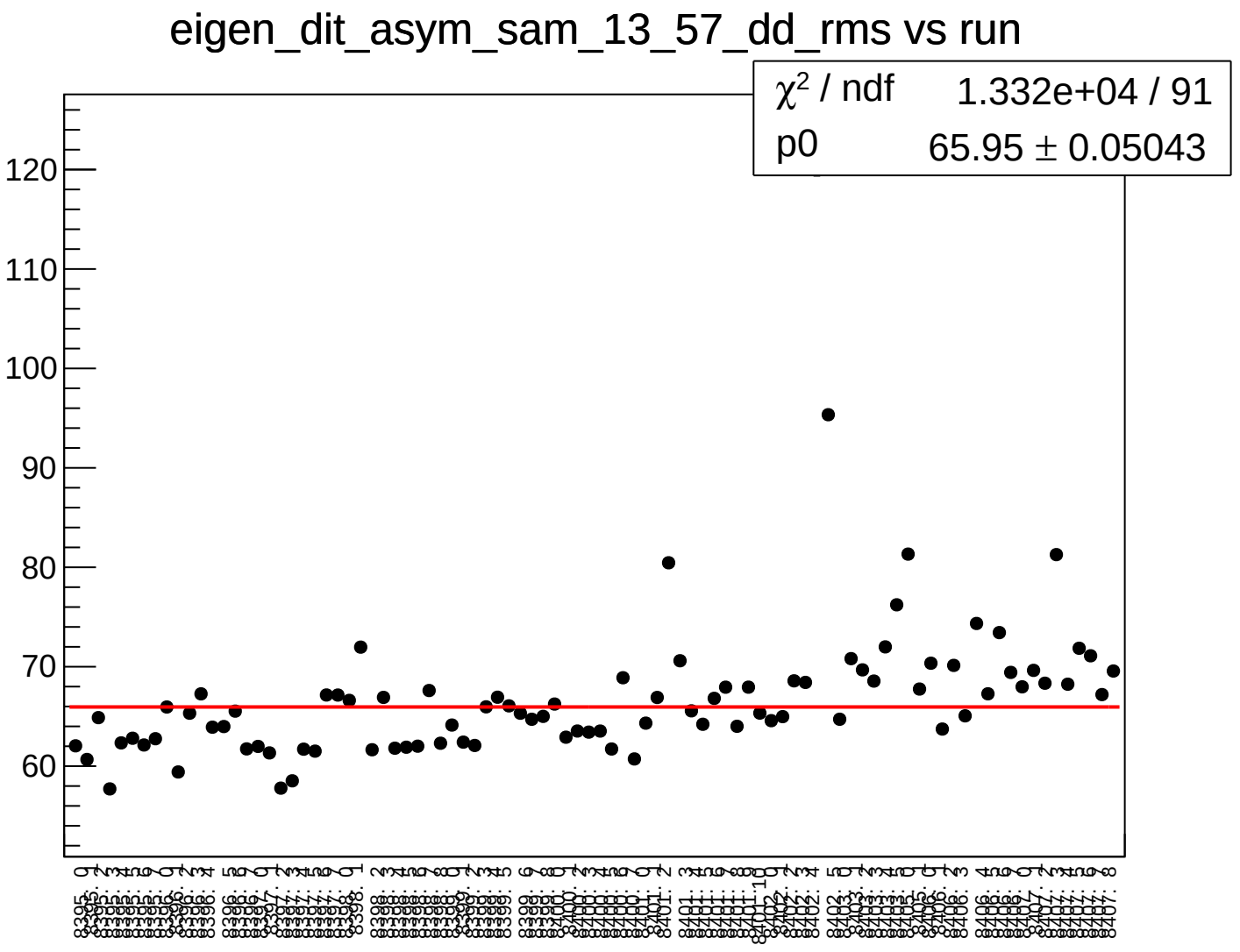

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 90.96 / 91
p0 −261.4 ± 619.5
pull
Entries 92
Mean 265.5
Std Dev 0

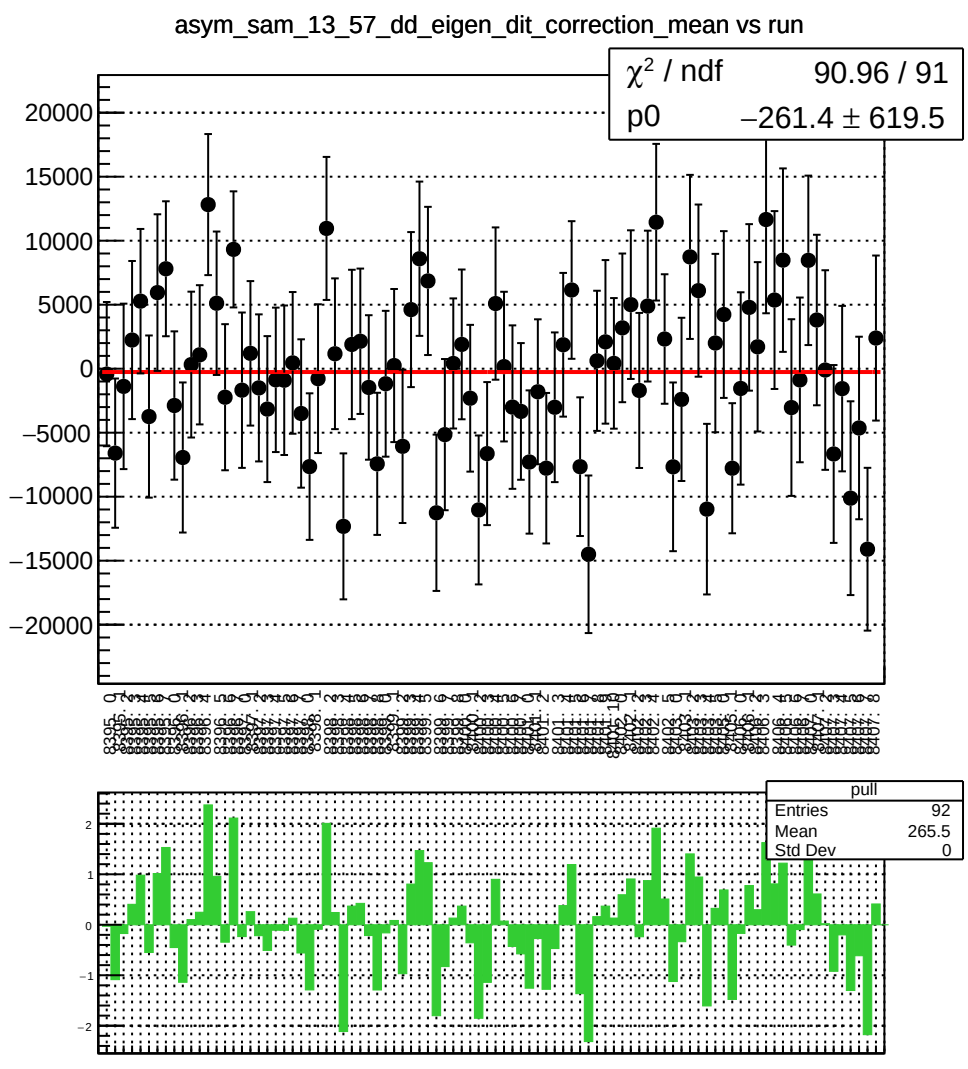

pull1D
Entries 92
Mean −0.00575
Std Dev 0.9943

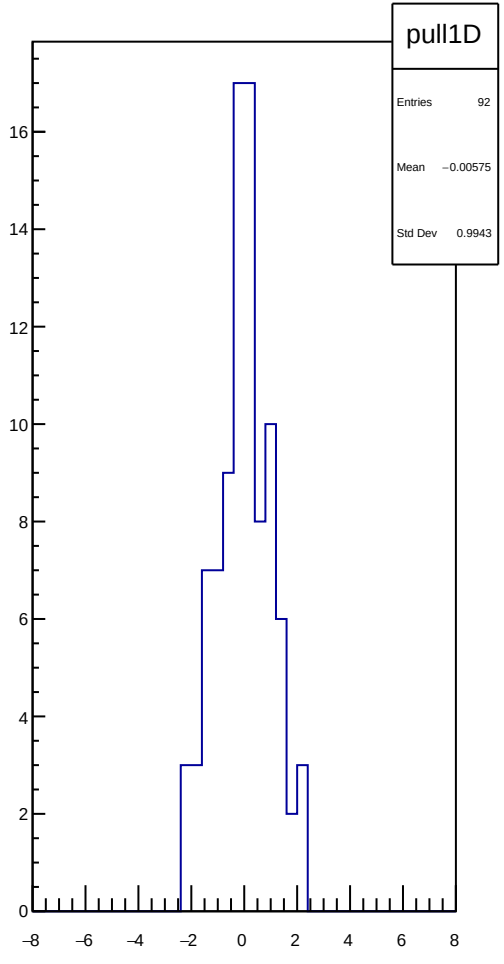

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 1.182e+04 / 91
p0 573.1 ± 0.4381
750
700
650
600
550
500

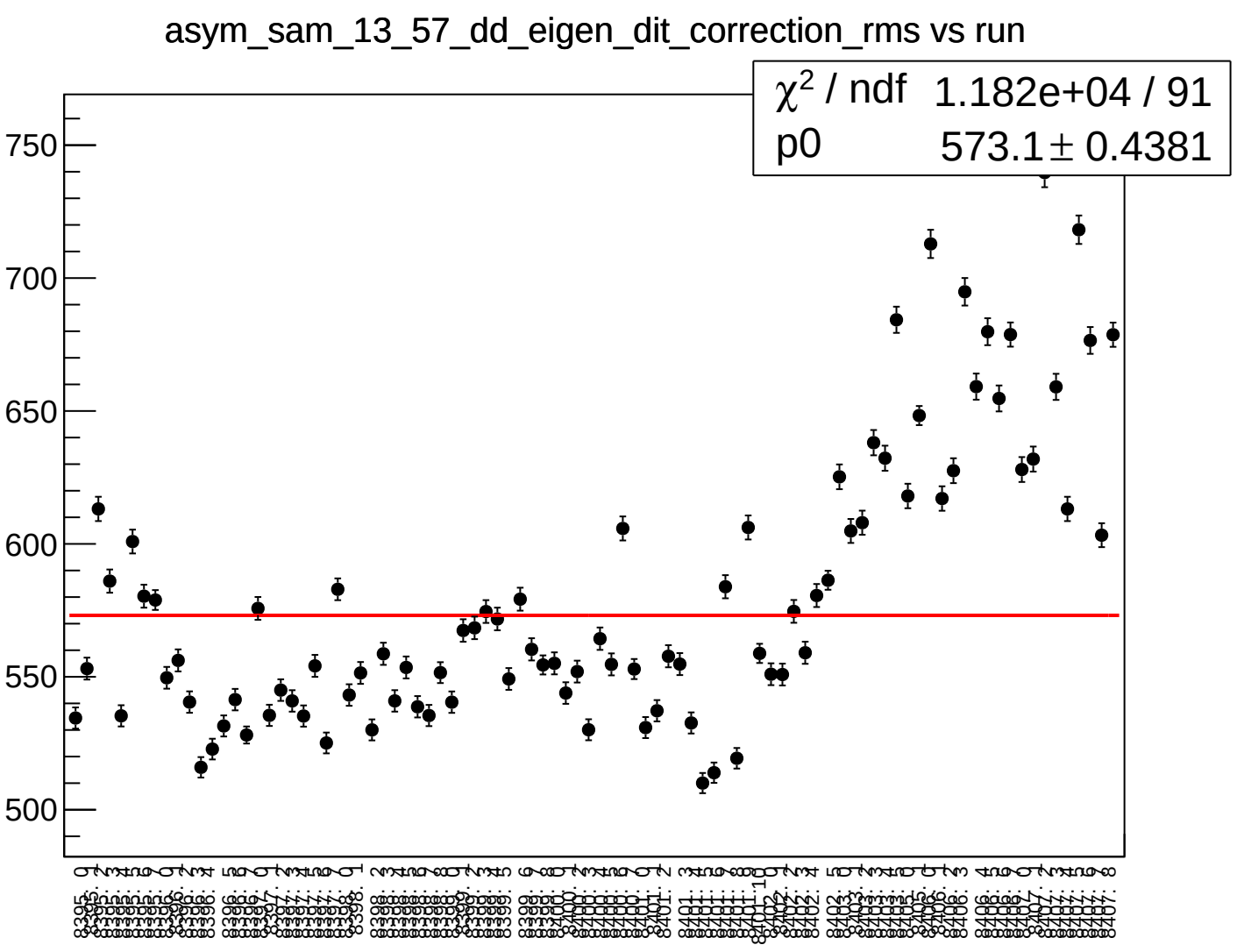

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 85.4 / 91
p0 −79.18 ± 71.32
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean 119.5
Std Dev 52.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

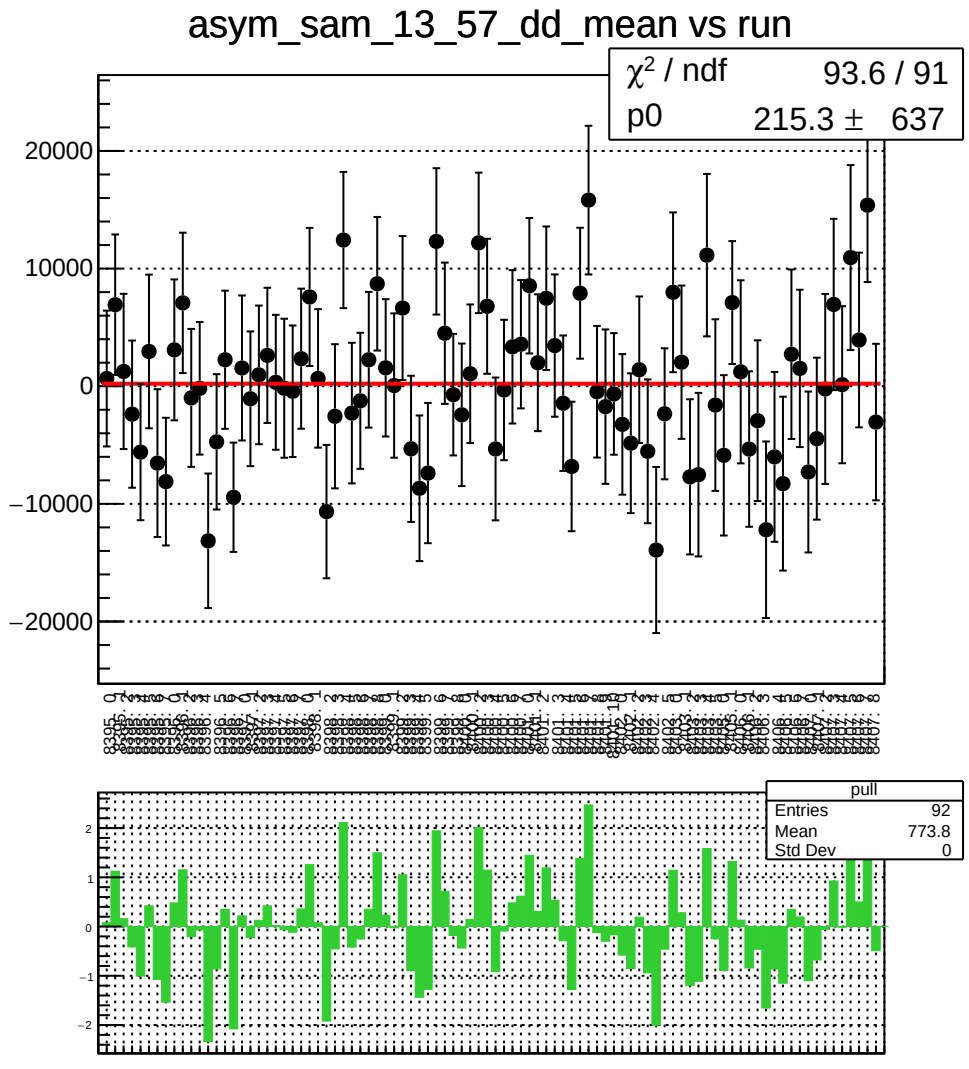

pull1D
Entries 92
Mean −0.008347
Std Dev 0.9634
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

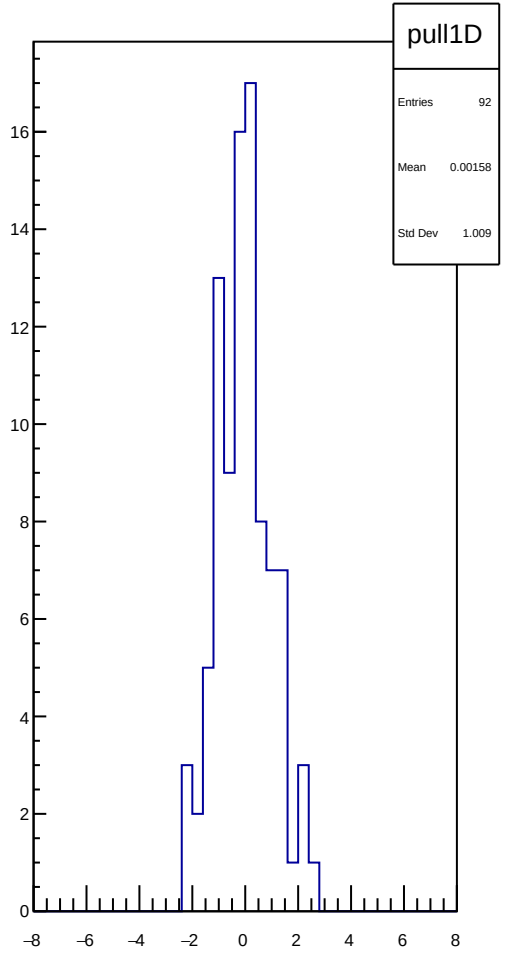

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.332e+04 / 91
p0 65.95 ± 0.05043
120
110
100
90
80
70
60

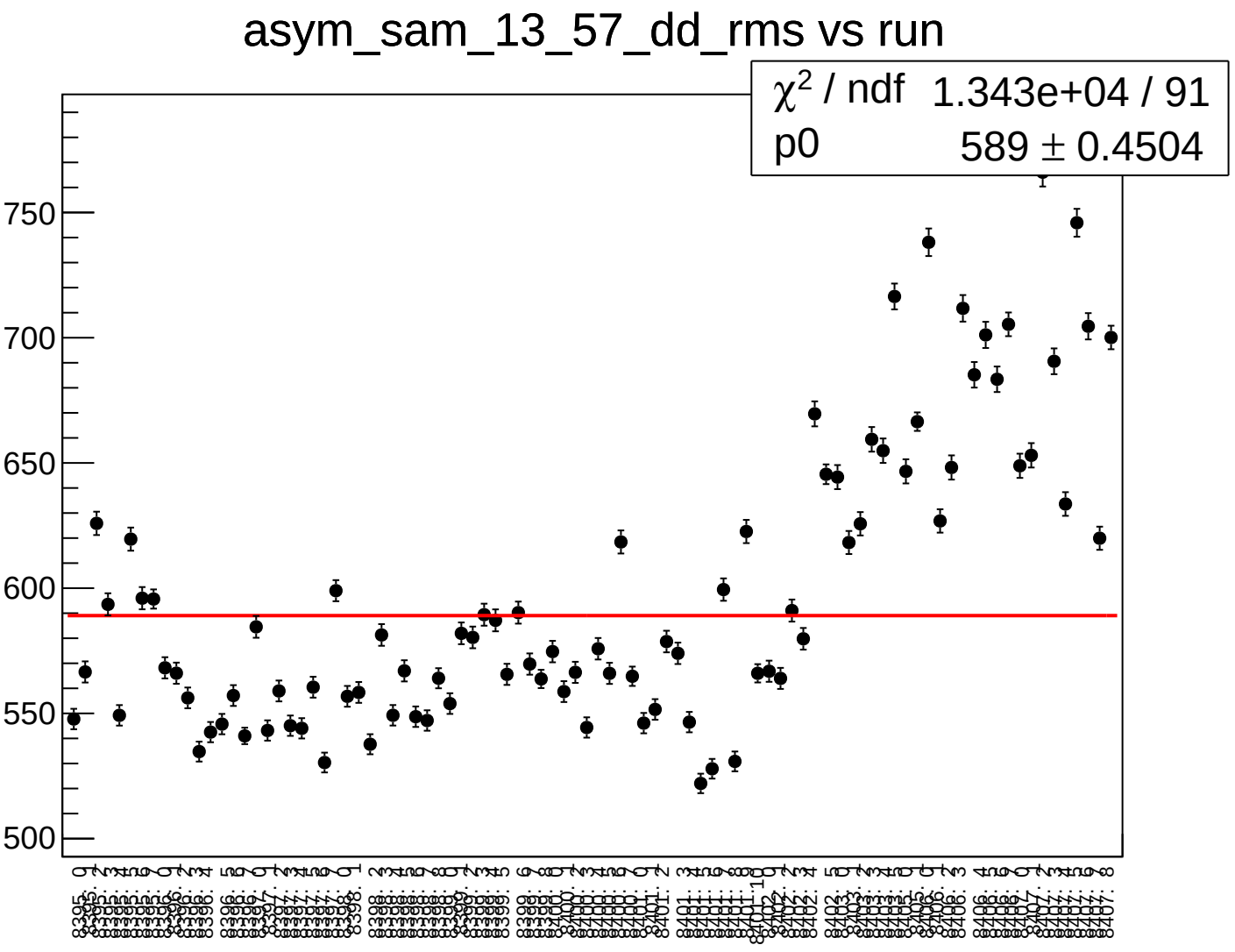

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 90.96 / 91
p0 −261.4 ± 619.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean 265.5
Std Dev 0
2
1
0
−1
−2

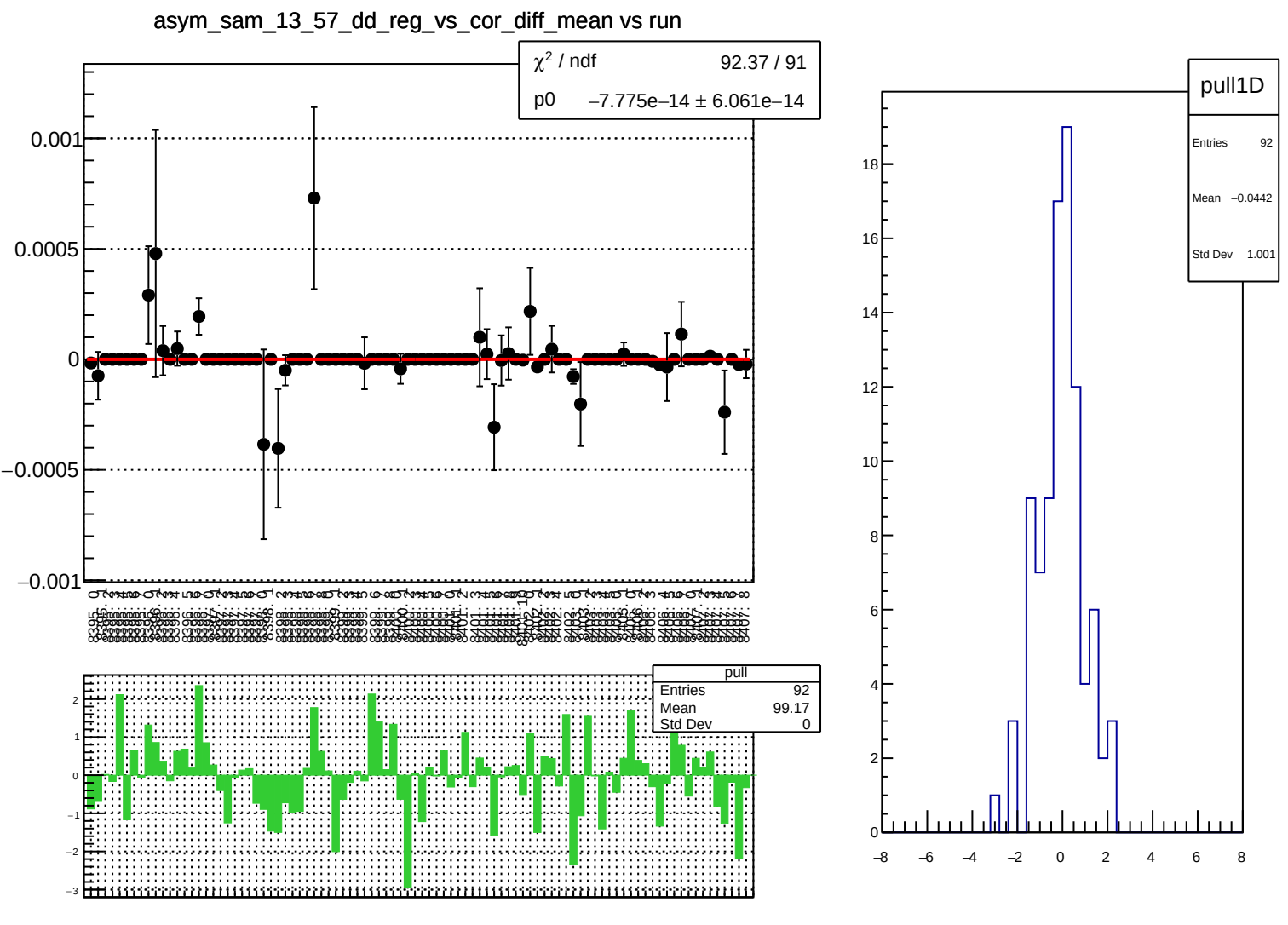

pull1D
Entries 92
Mean −0.00575
Std Dev 0.9943
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

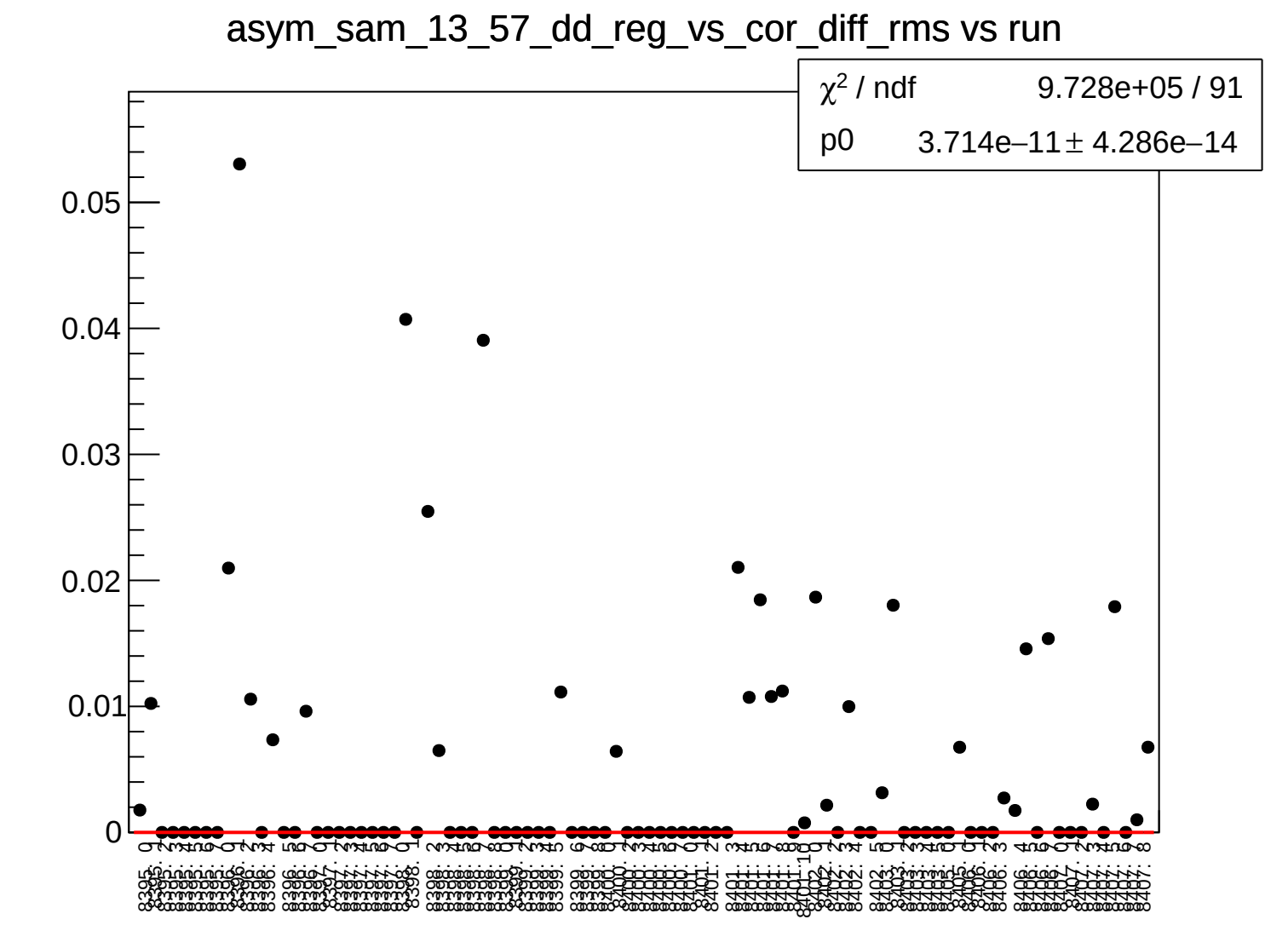

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.182e+04 / 91
p0 573.1 ± 0.4381
750
700
650
600
550
500

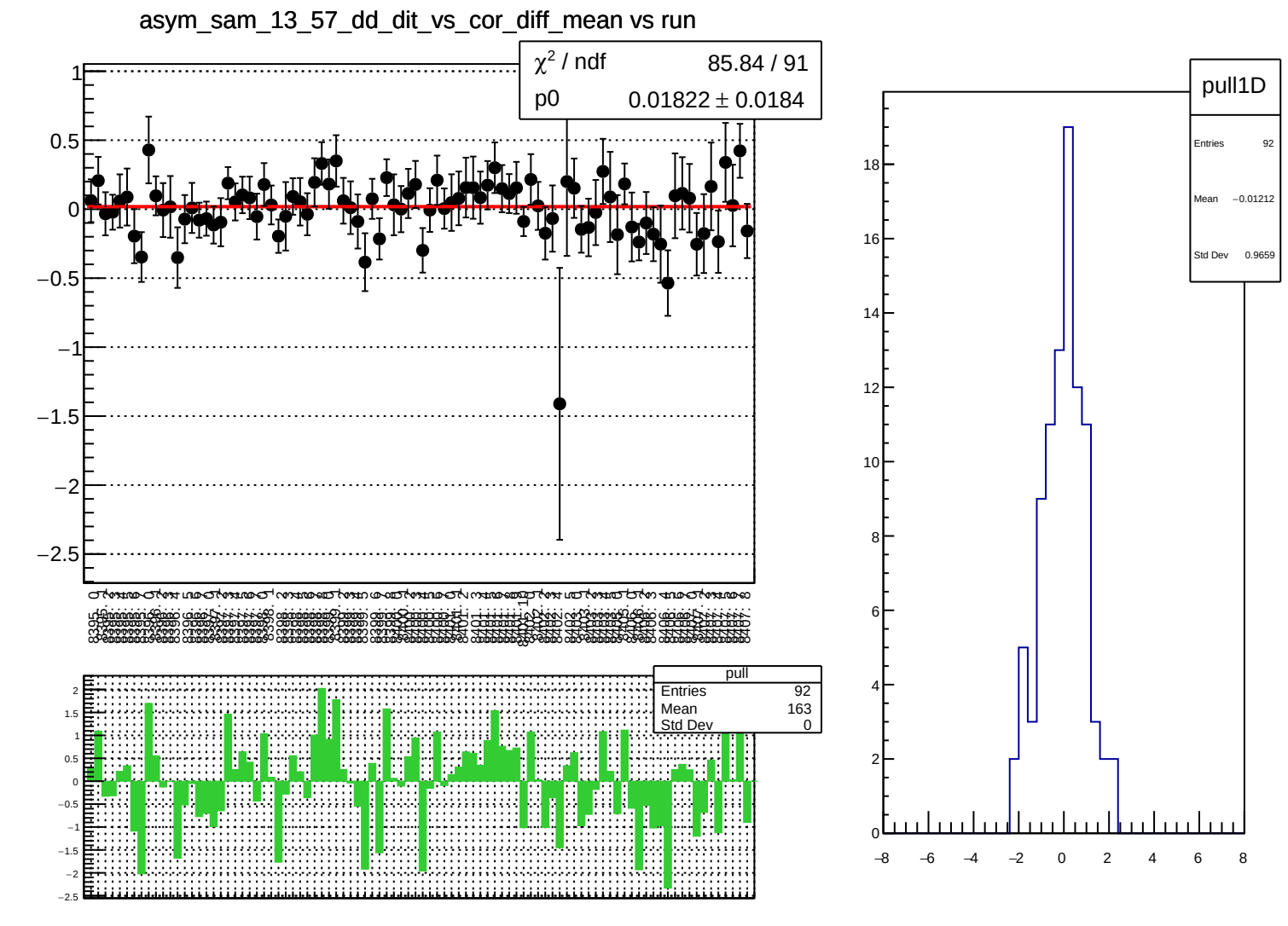

asym_sam_13_57_dd_mean vs run
χ² / ndf 93.6 / 91
p0 215.3 ± 637
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 773.8
Std Dev 0
2
1
0
−1
−2

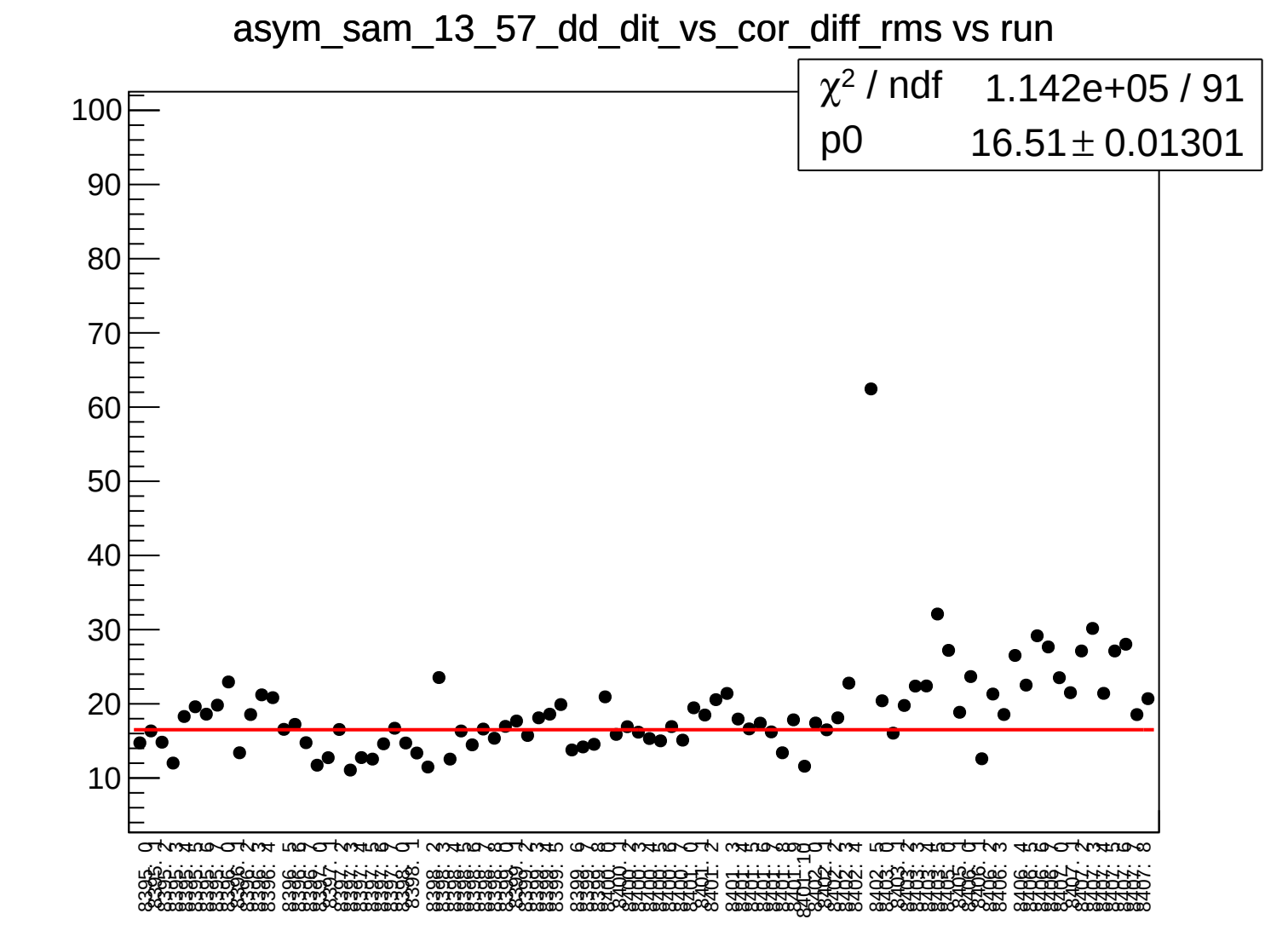

pull1D
Entries 92
Mean 0.00158
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

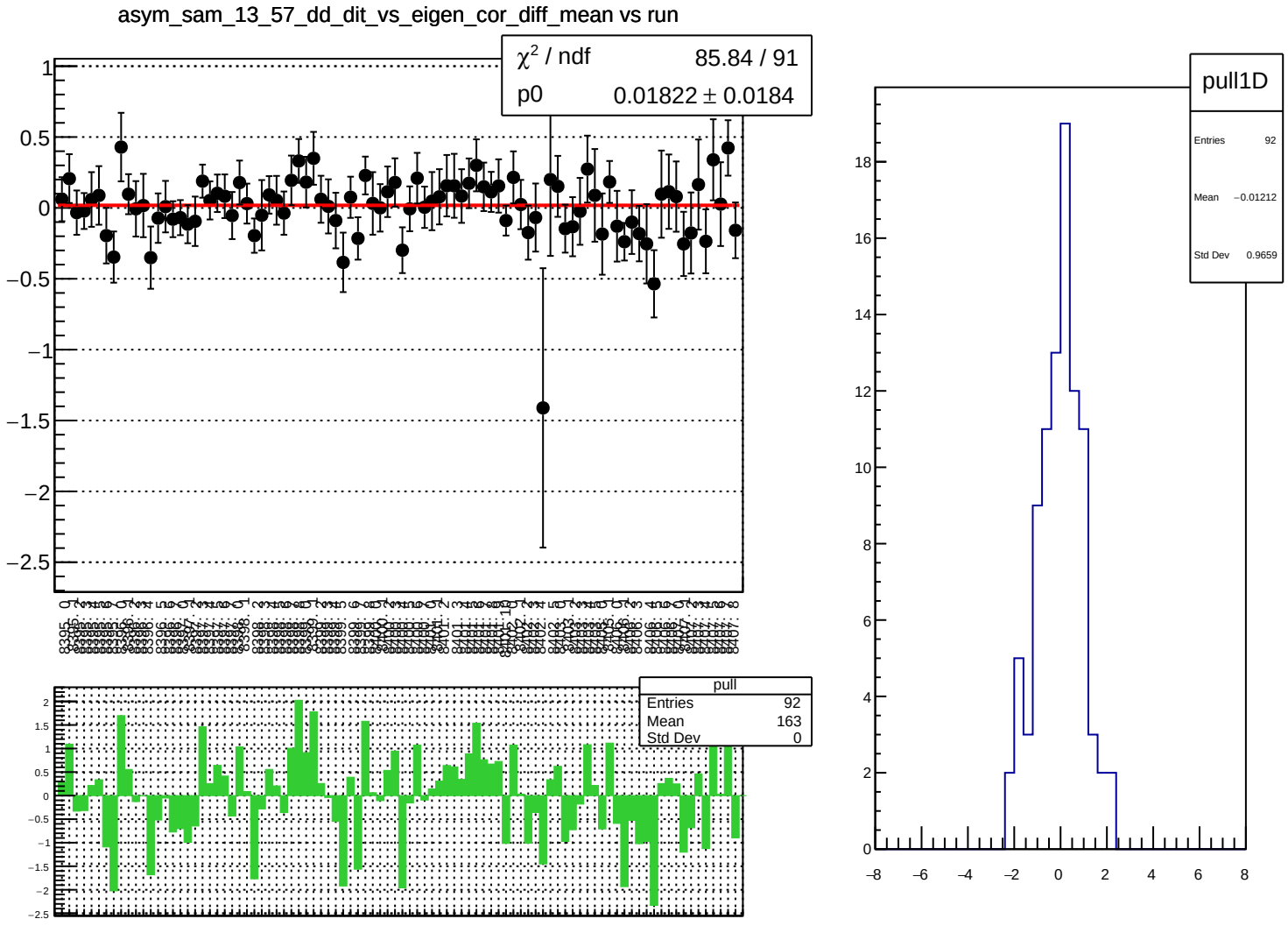

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.343e+04 / 91
p0 589 ± 0.4504
750
700
650
600
550
500

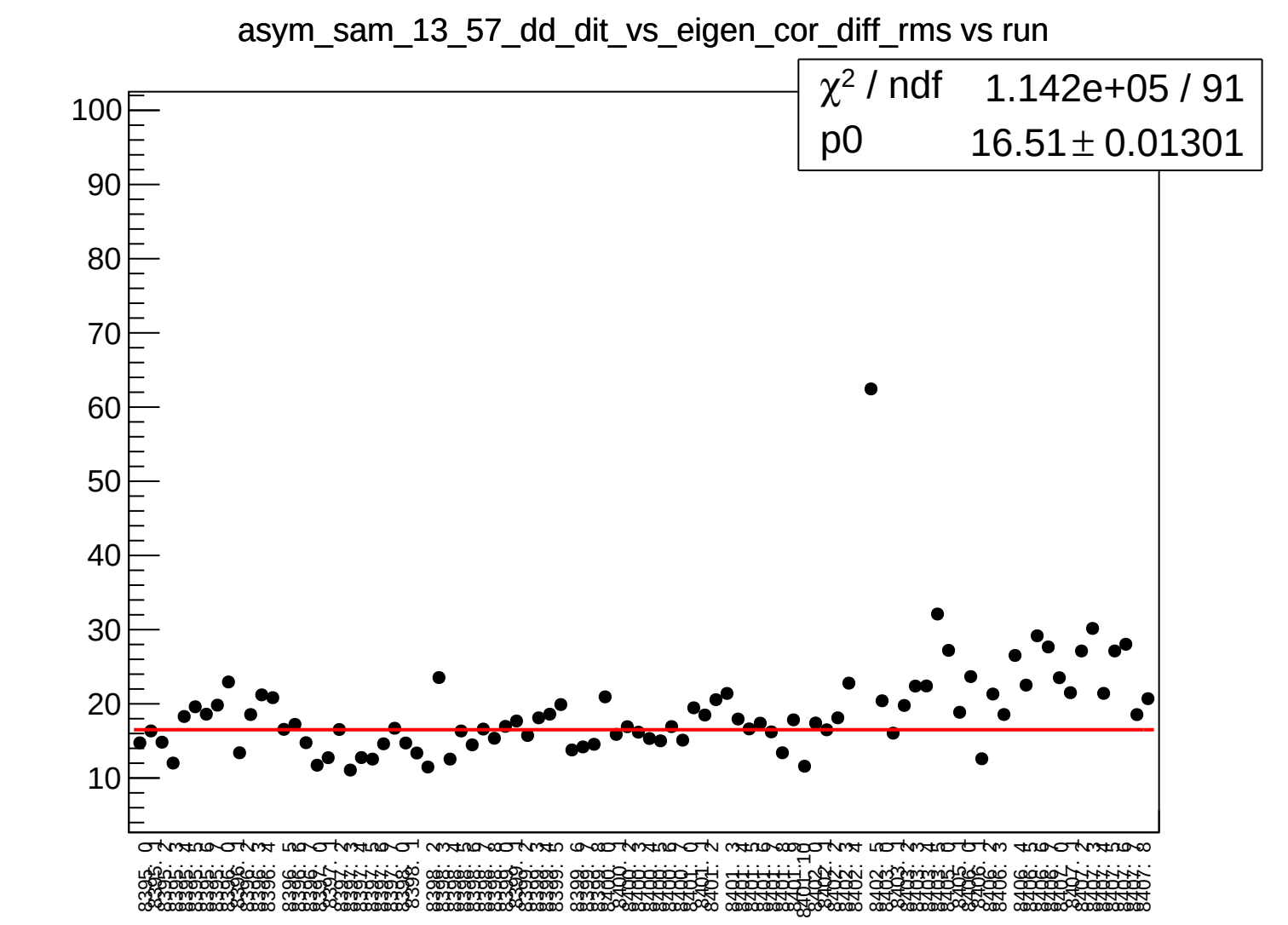

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.37 / 91
p0 −7.775e−14 ± 6.061e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 99.17
Std Dev 0
pull1D
Entries 92
Mean −0.0442
Std Dev 1.001

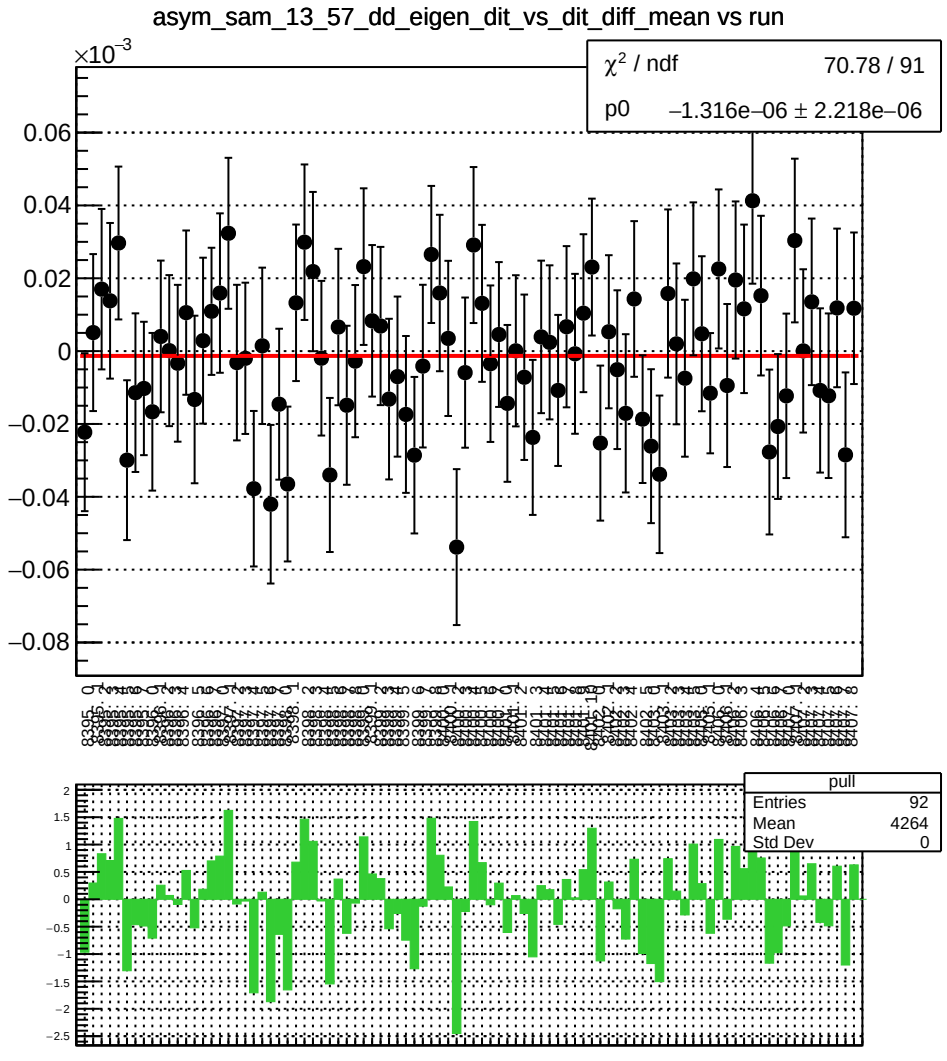

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.728e+05 / 91
p0 3.714e−11 ± 4.286e−14
0.05
0.04
0.03
0.02
0.01
0

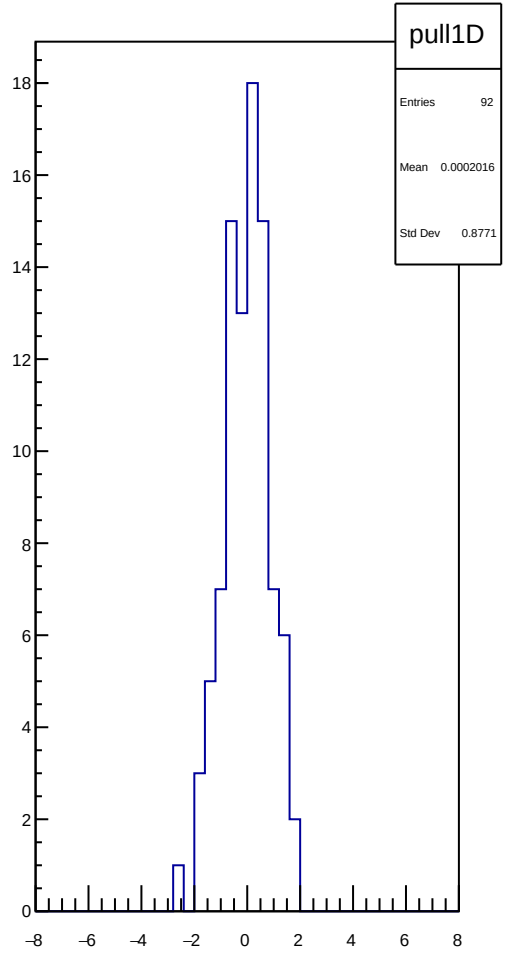

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.84 / 91
p0 0.01822 ± 0.0184
pull
Entries 92
Mean 163
Std Dev 0
pull1D
Entries 92
Mean −0.01212
Std Dev 0.9659

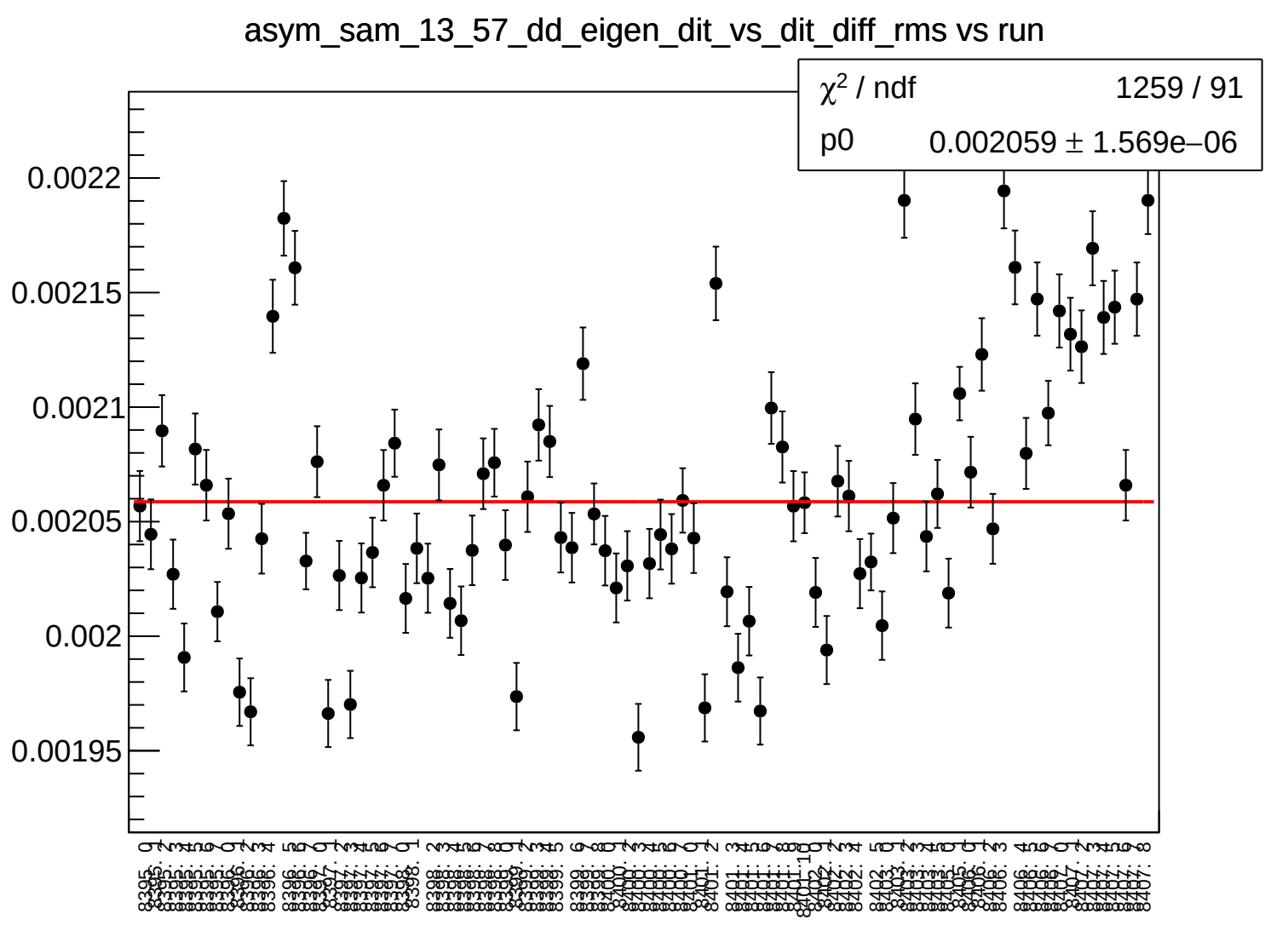

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.142e+05 / 91
p0 16.51 ± 0.01301
100
90
80
70
60
50
40
30
20
10

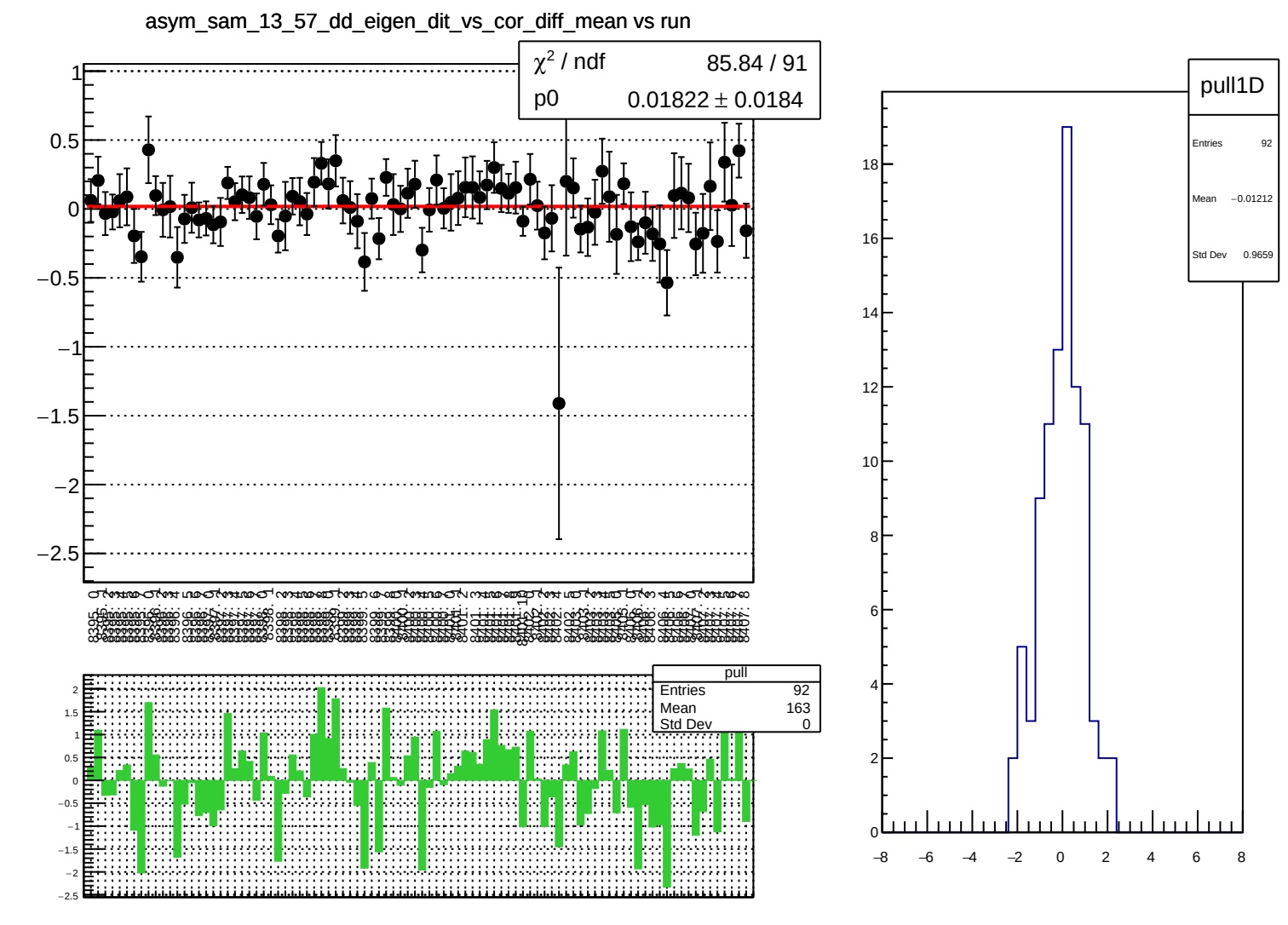

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.84 / 91
p0 0.01822 ± 0.0184
pull
Entries 92
Mean 163
Std Dev 0
pull1D
Entries 92
Mean −0.01212
Std Dev 0.9659

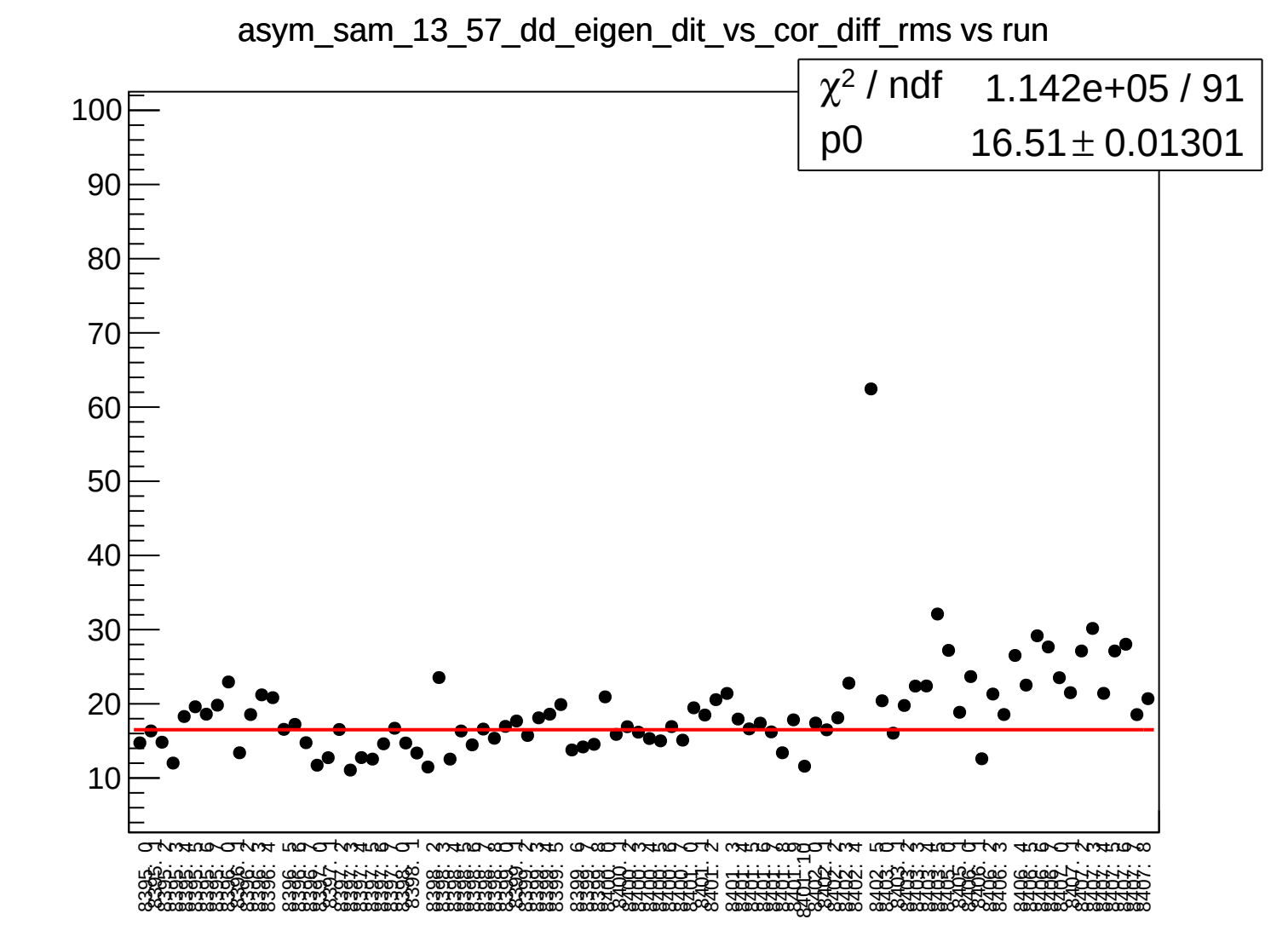

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.142e+05 / 91
p0 16.51 ± 0.01301
100
90
80
70
60
50
40
30
20
10

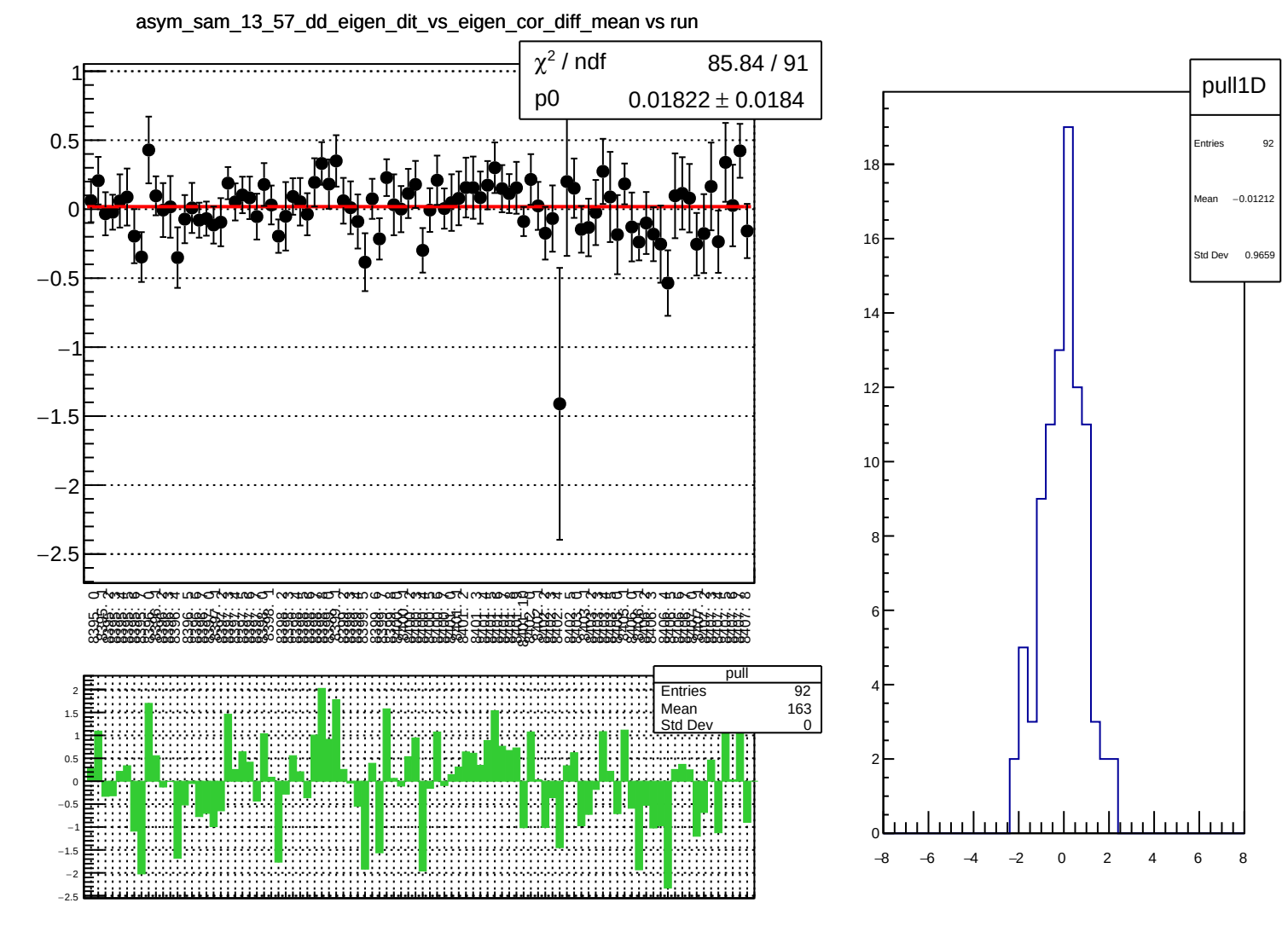

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 70.78 / 91
p0 −1.316e−06 ± 2.218e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 92
Mean 4264
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

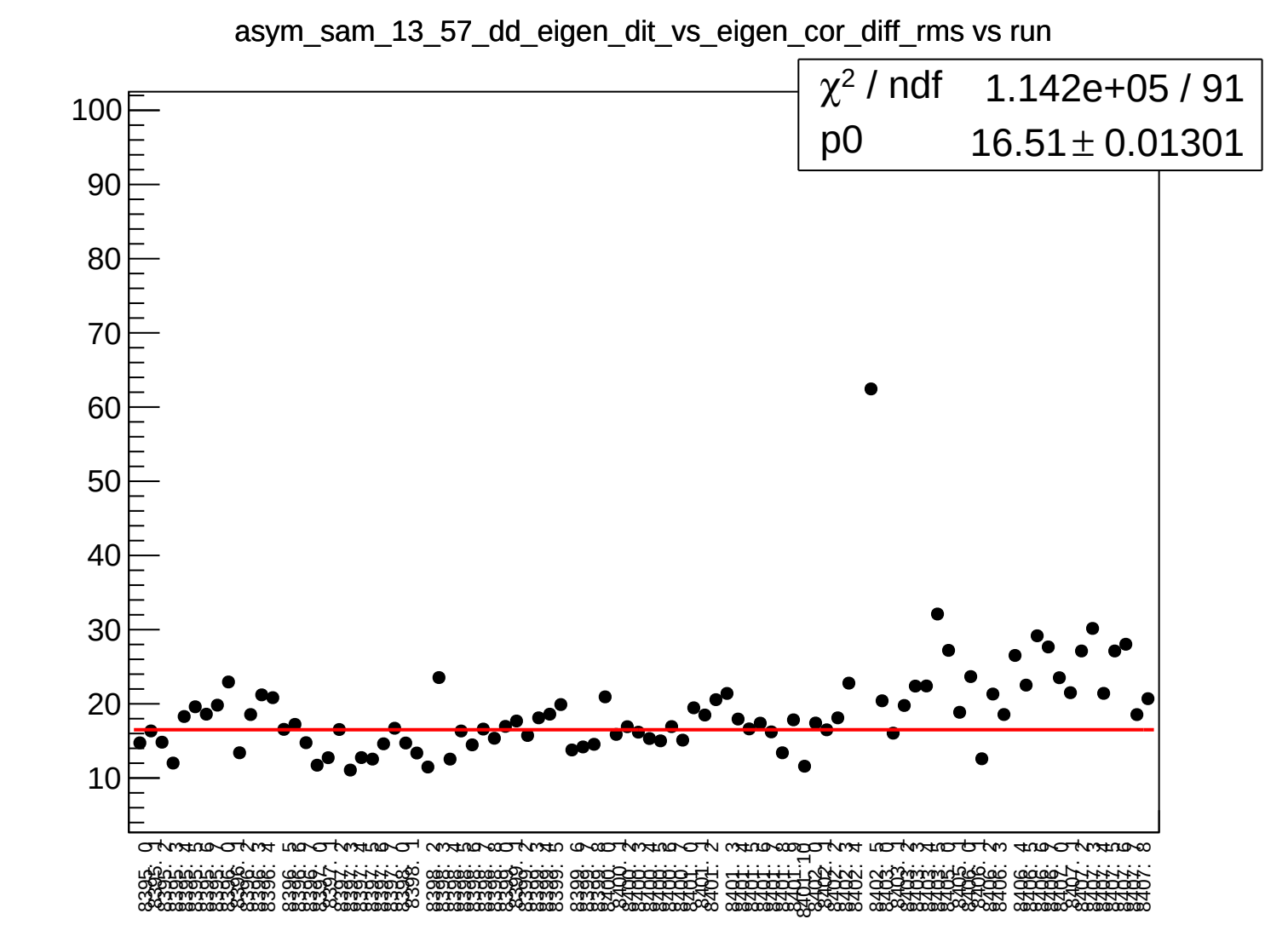

pull1D
Entries 92
Mean 0.0002016
Std Dev 0.8771
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

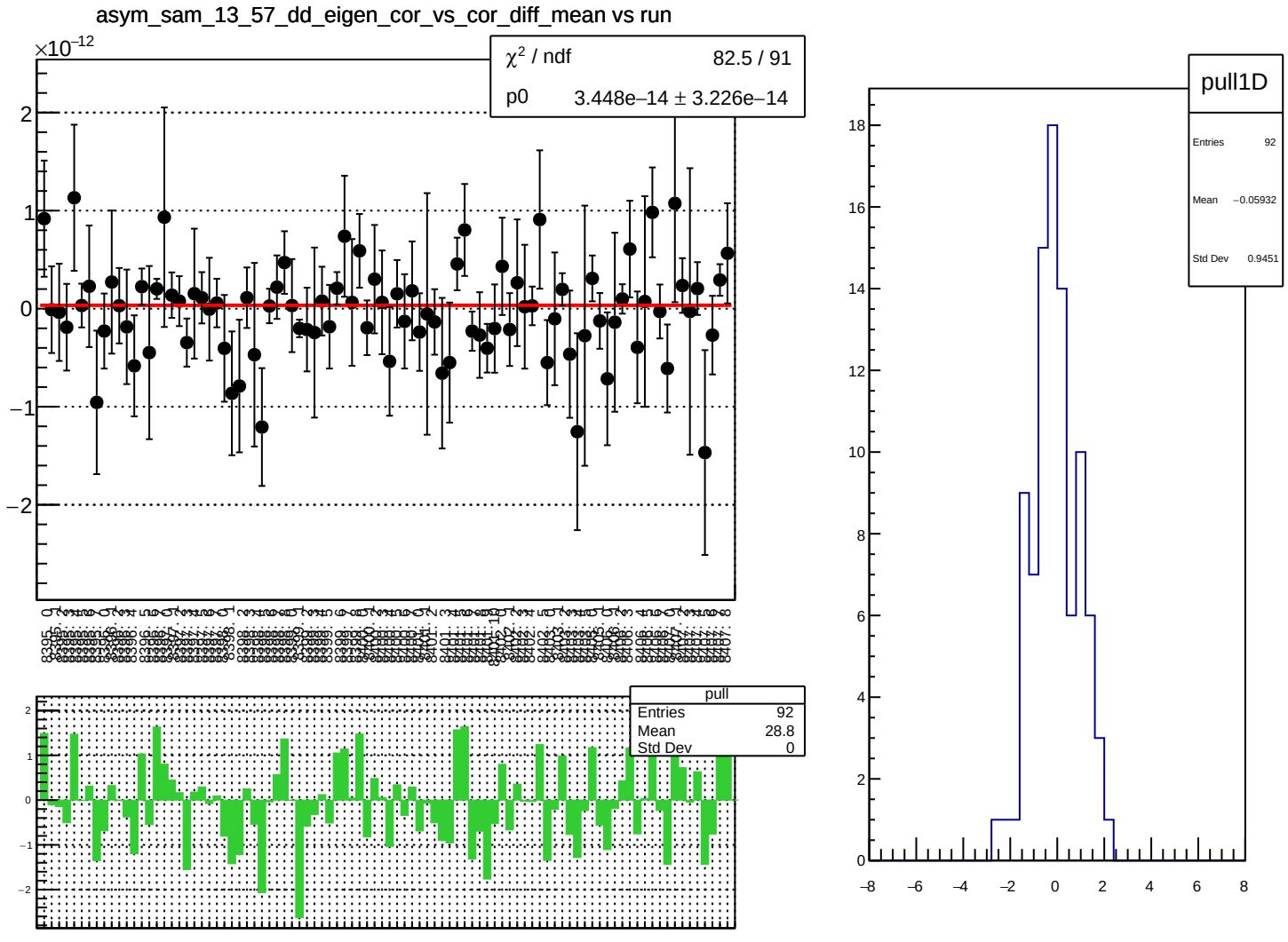

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1259 / 91
p0 0.002059 ± 1.569e−06
0.0022
0.00215
0.0021
0.00205
0.002
0.00195

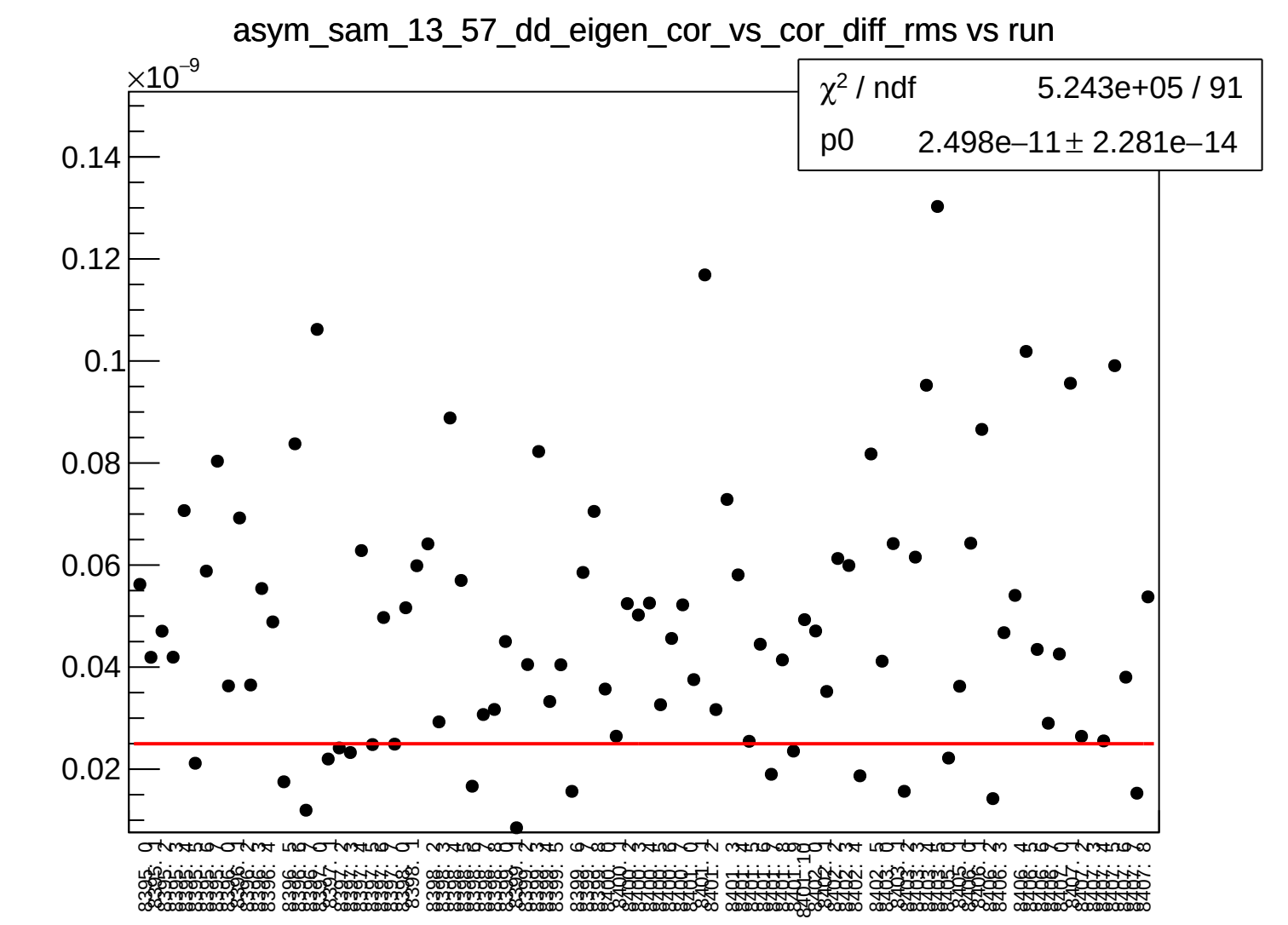

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.84 / 91
p0 0.01822 ± 0.0184
pull
Entries 92
Mean 163
Std Dev 0
pull1D
Entries 92
Mean −0.01212
Std Dev 0.9659

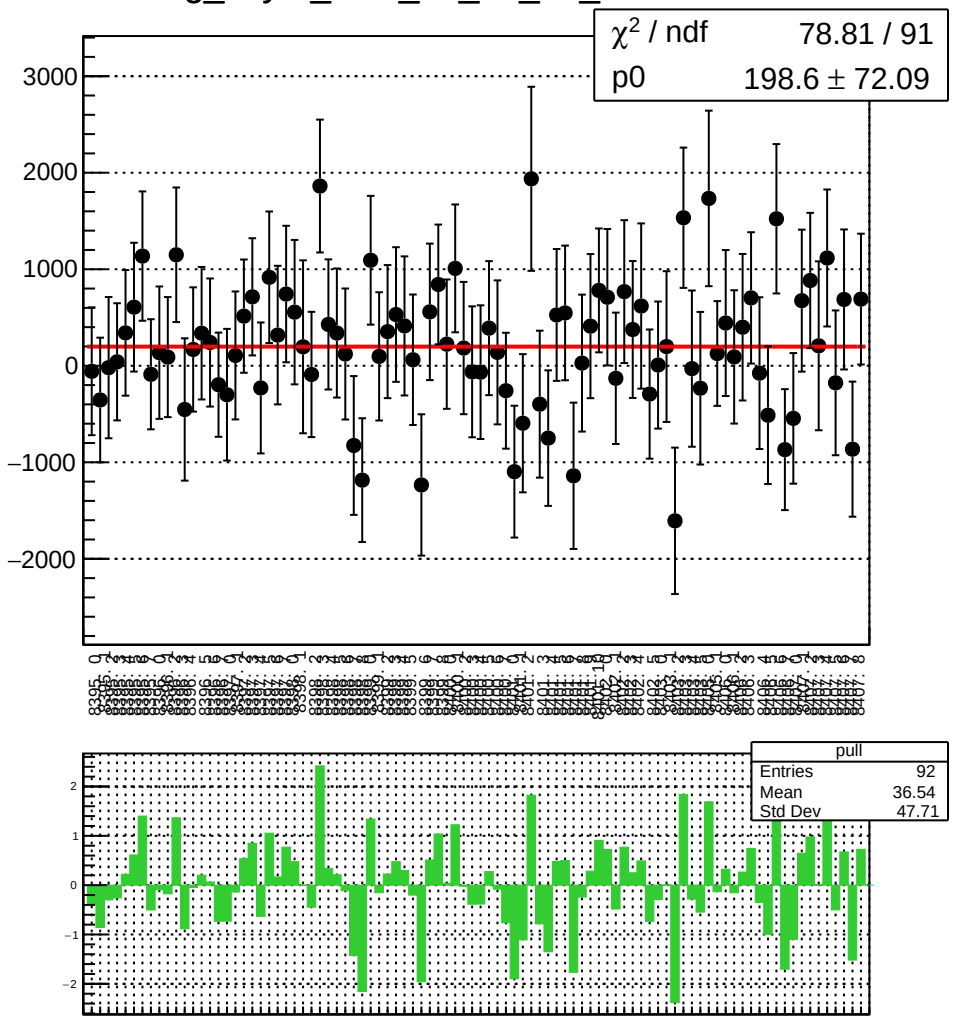

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.142e+05 / 91
p0 16.51 ± 0.01301
100
90
80
70
60
50
40
30
20
10

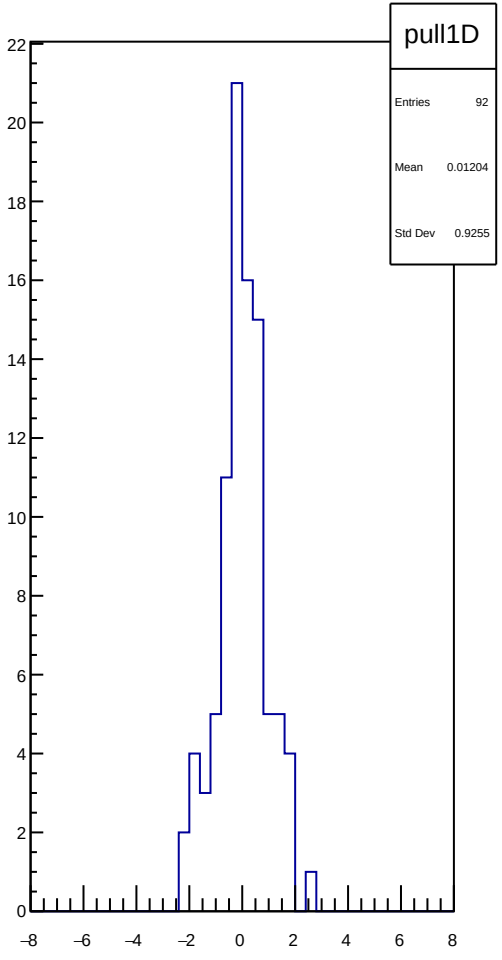

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.84 / 91
p0 0.01822 ± 0.0184
pull
Entries 92
Mean 163
Std Dev 0
pull1D
Entries 92
Mean −0.01212
Std Dev 0.9659

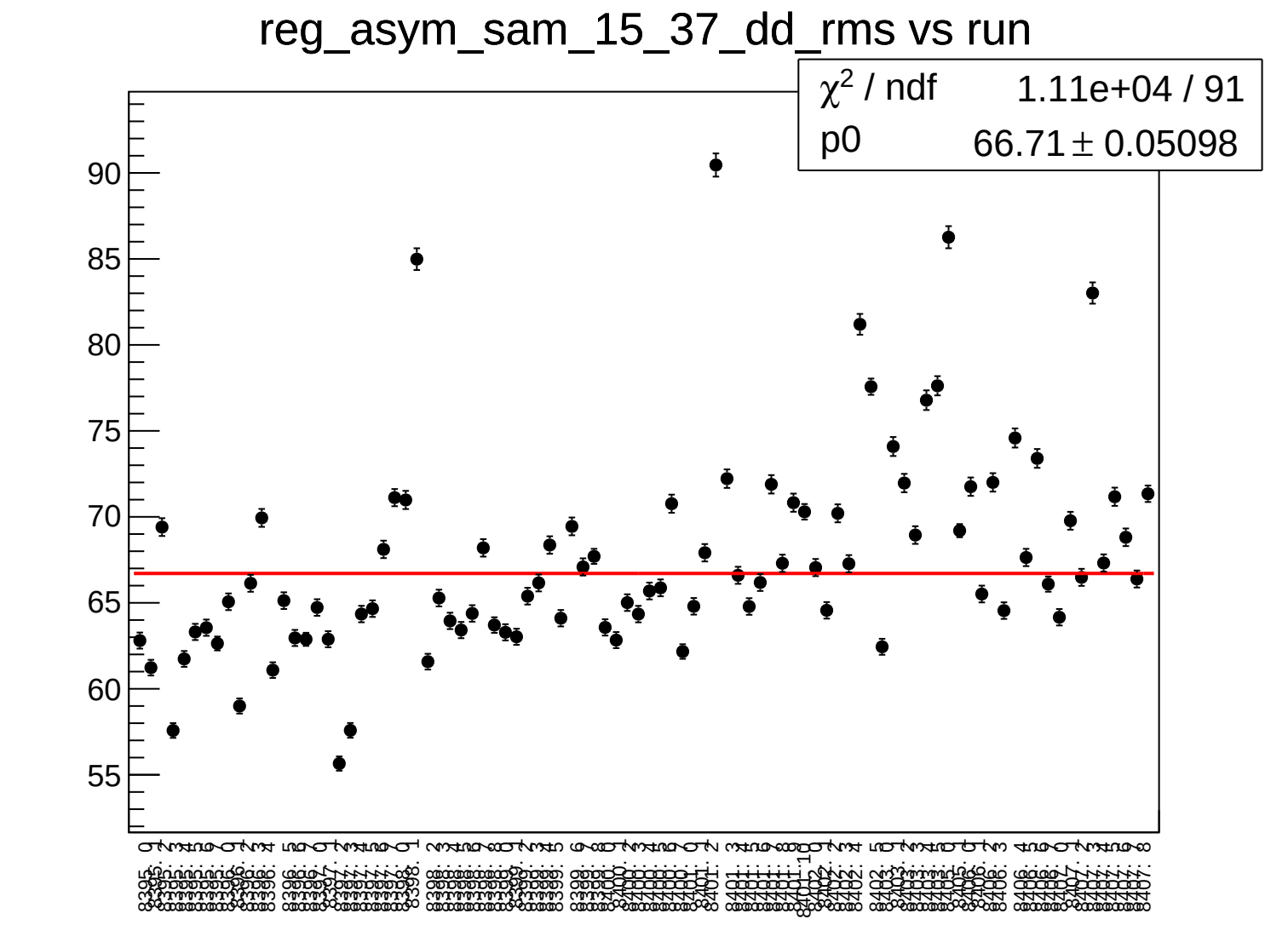

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.142e+05 / 91
p0 16.51 ± 0.01301
100
90
80
70
60
50
40
30
20
10

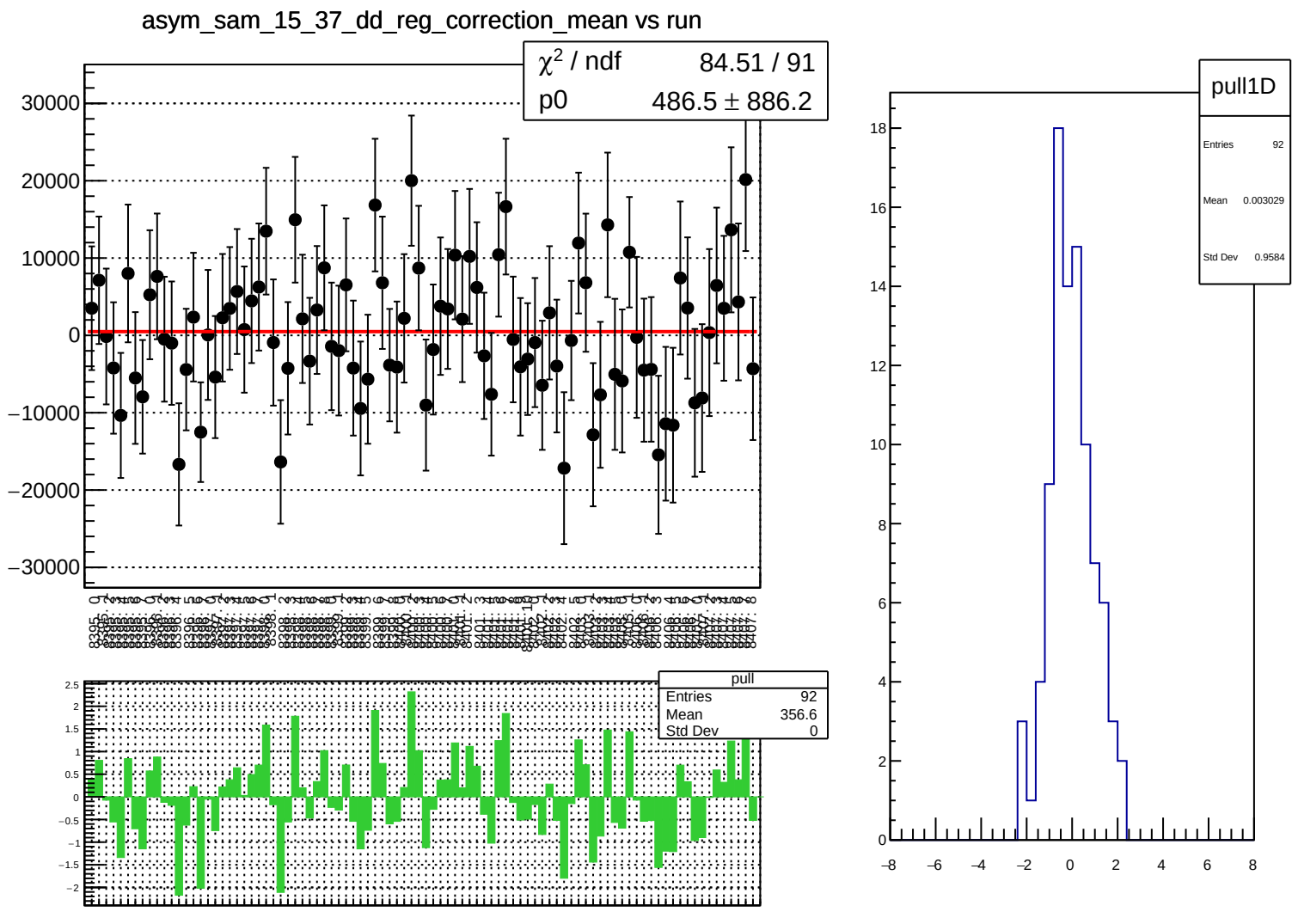

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.5 / 91
p0 3.448e−14 ± 3.226e−14
pull
Entries 92
Mean 28.8
Std Dev 0
pull1D
Entries 92
Mean −0.05932
Std Dev 0.9451

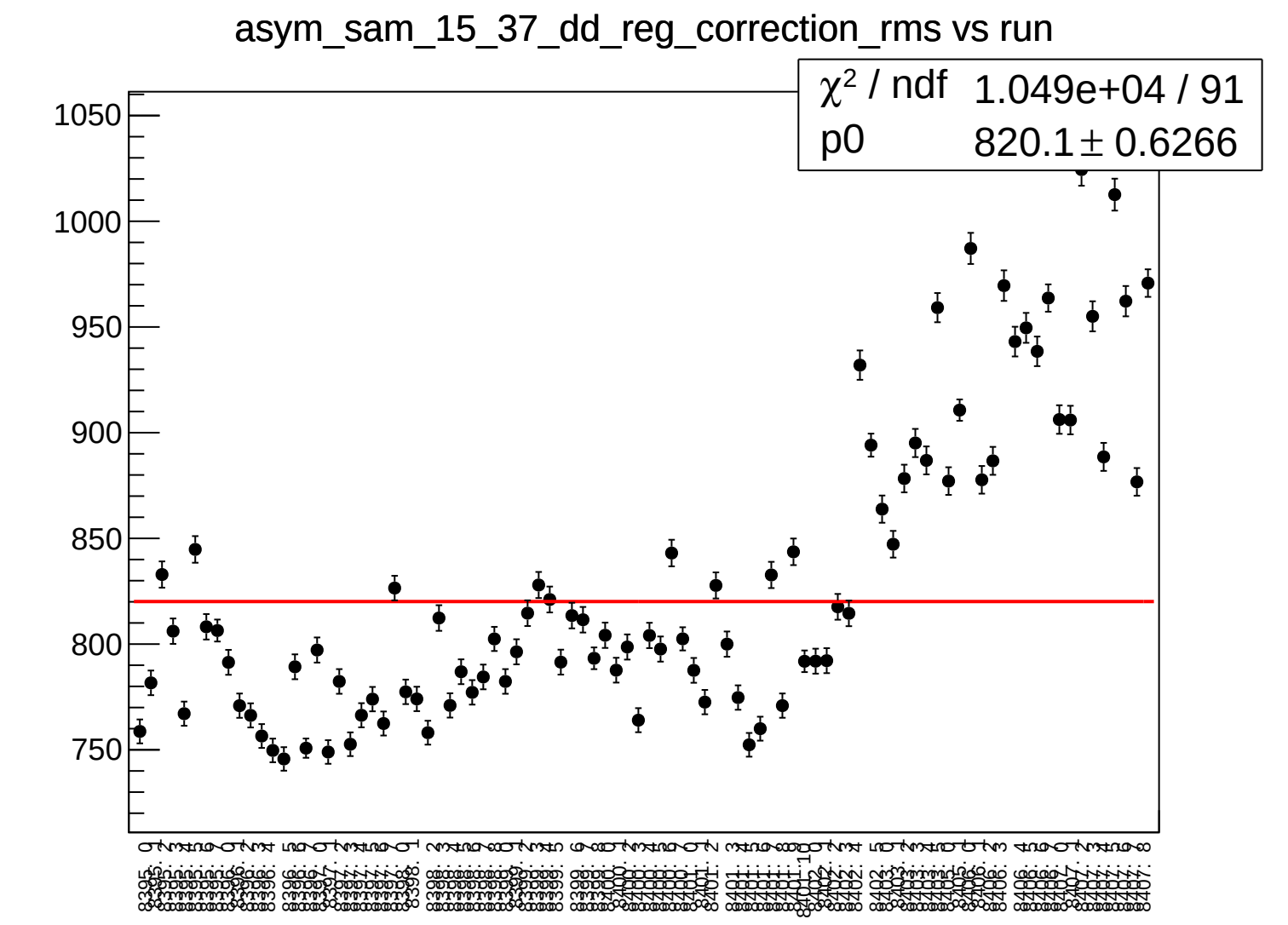

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.243e+05 / 91
p0 2.498e−11 ± 2.281e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

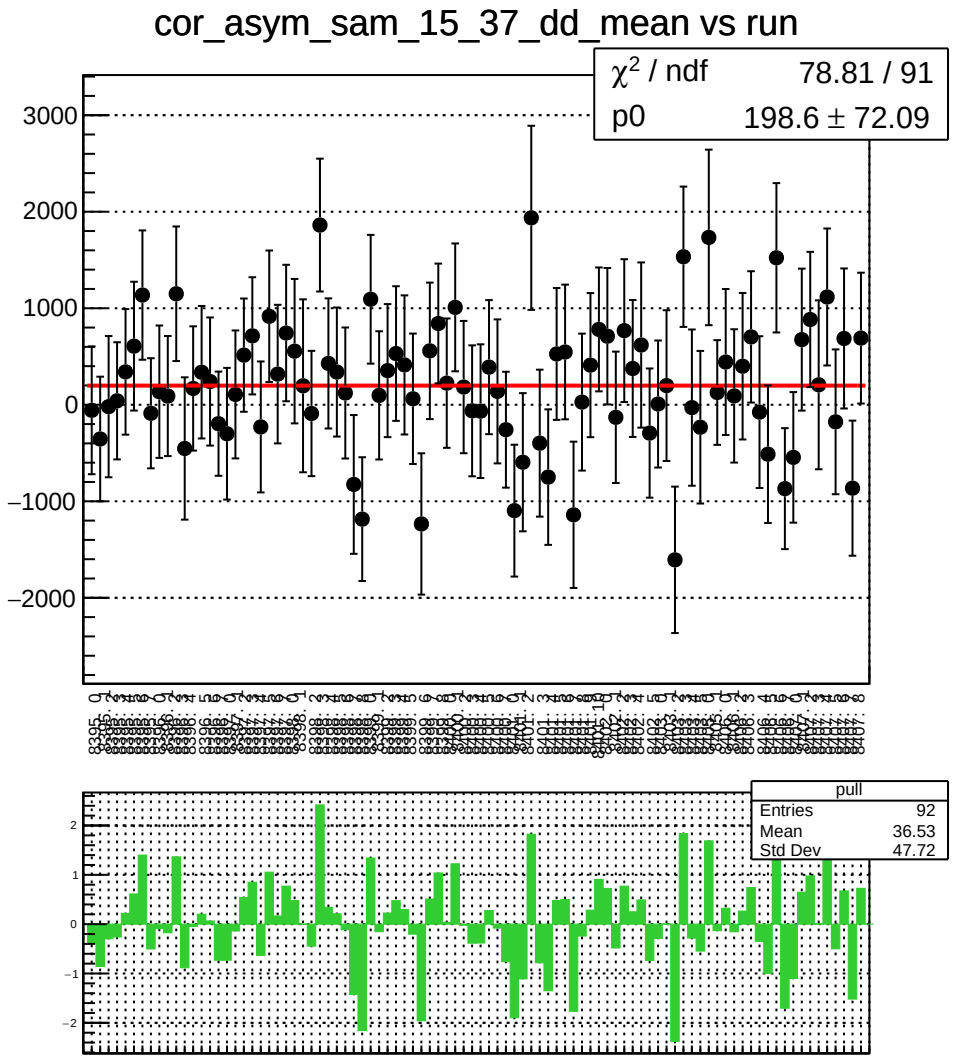

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.81 / 91
p0 198.6 ± 72.09
pull
Entries 92
Mean 36.54
Std Dev 47.71

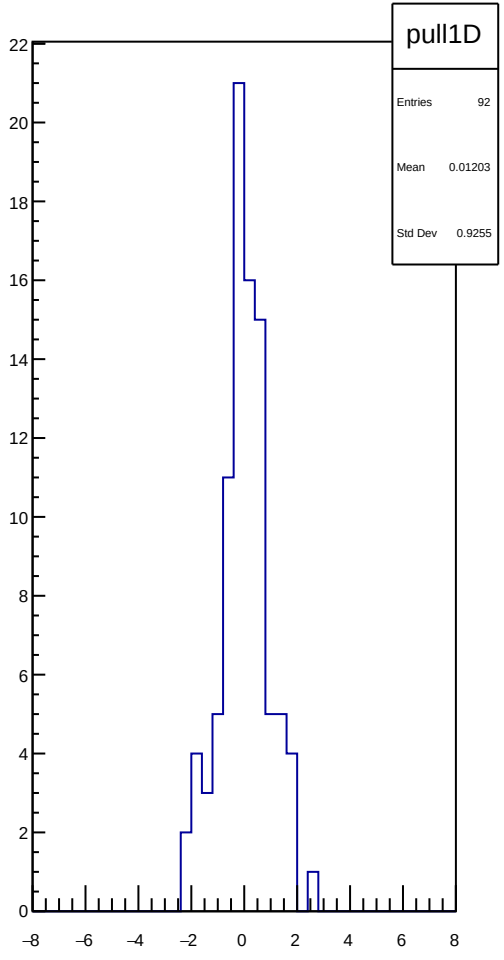

pull1D
Entries 92
Mean 0.01204
Std Dev 0.9255

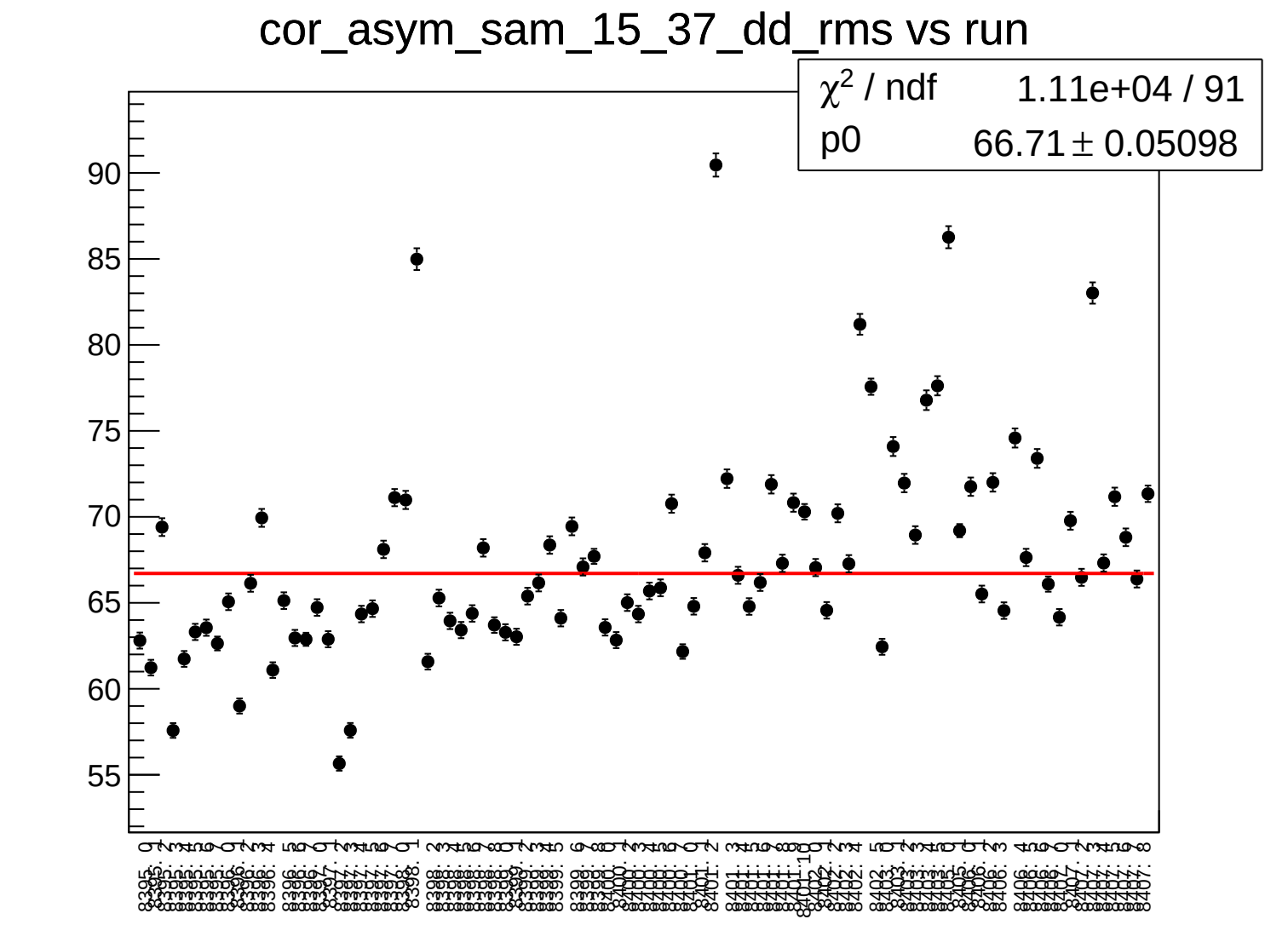

reg_asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 1.11e+04 / 91
p0 66.71 ± 0.05098
90
85
80
75
70
65
60
55

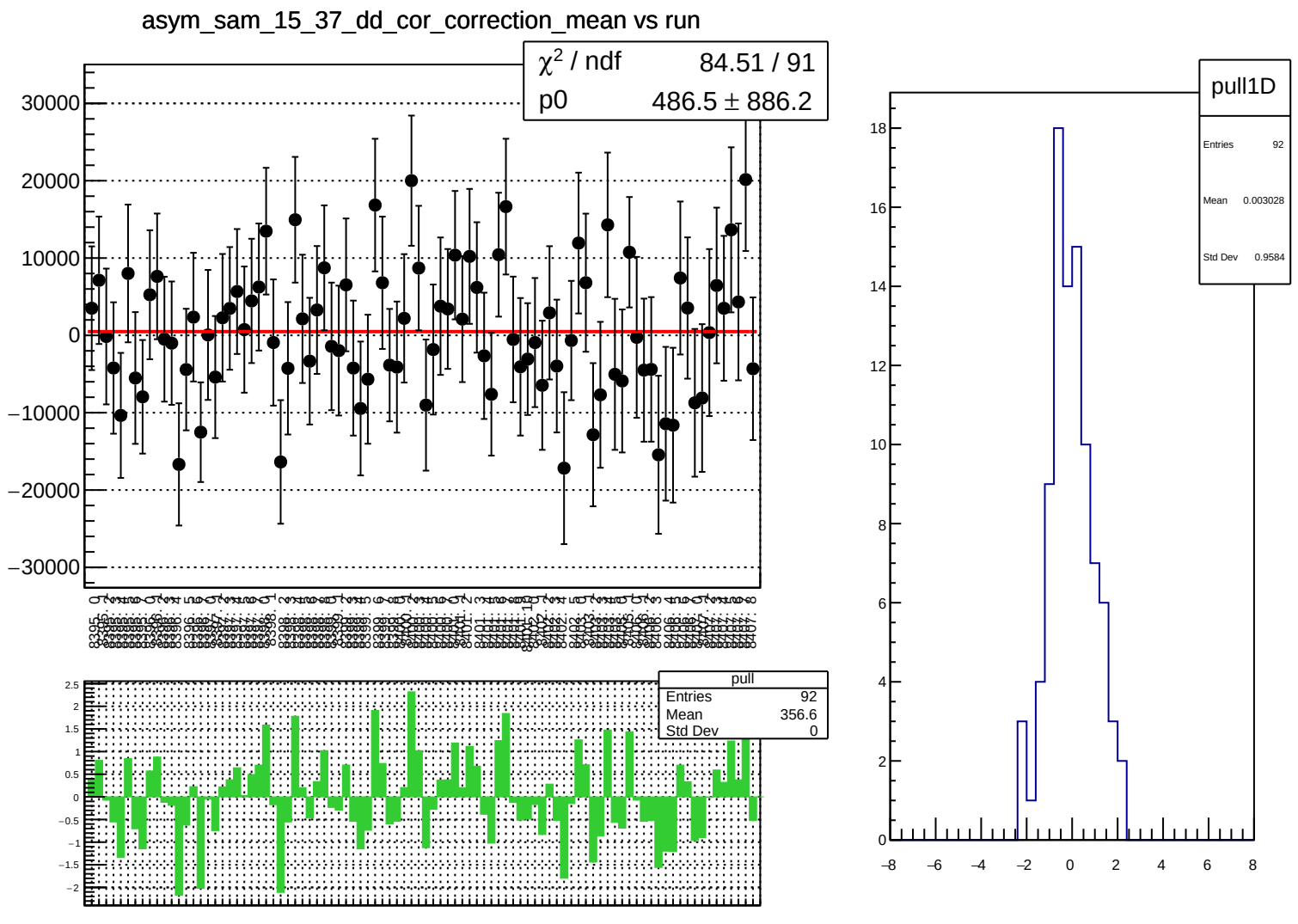

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 84.51 / 91
p0 486.5 ± 886.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 356.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.003029
Std Dev 0.9584
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

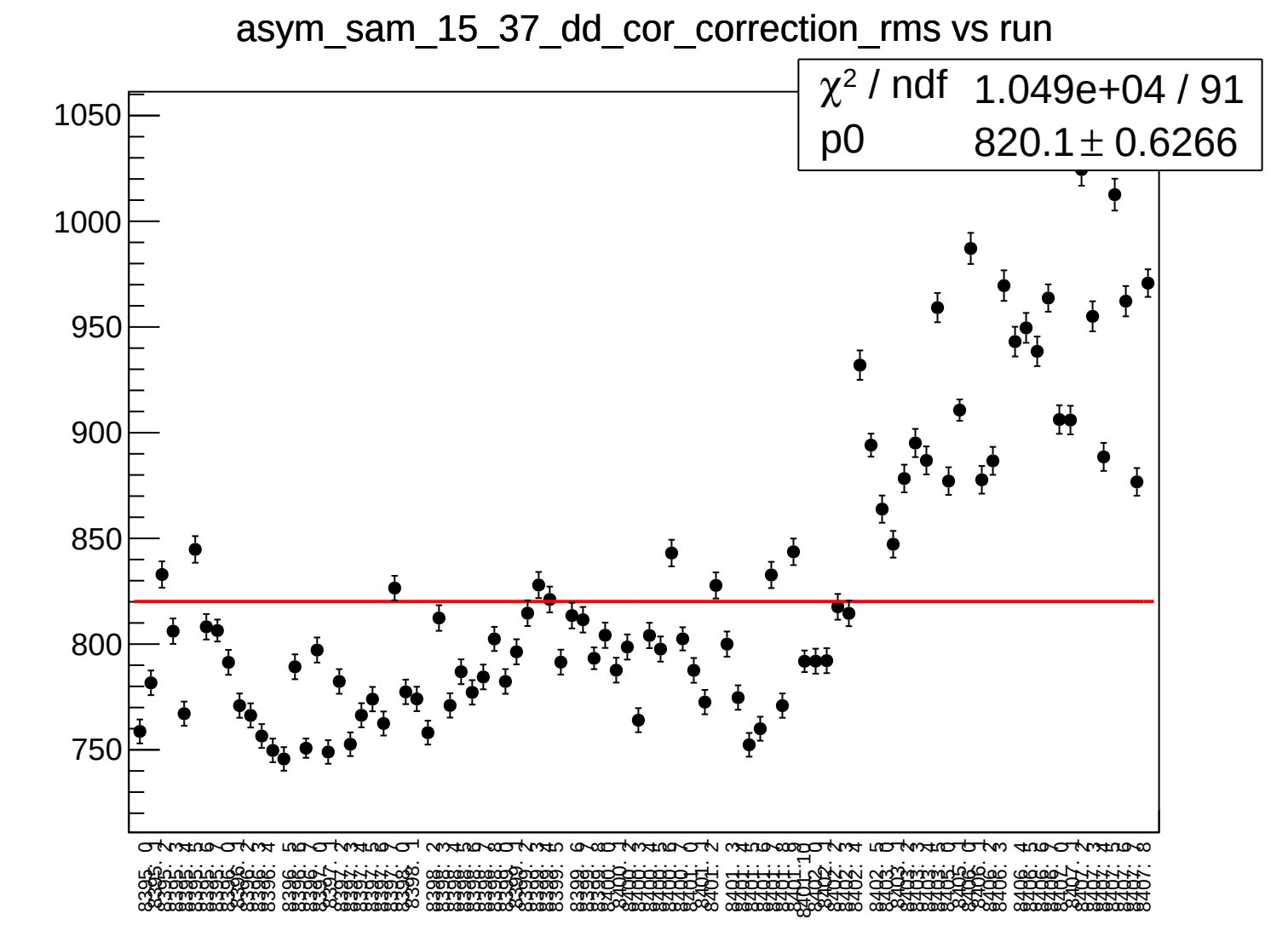

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 1.049e+04 / 91
p0 820.1 ± 0.6266
1050
1000
950
900
850
800
750

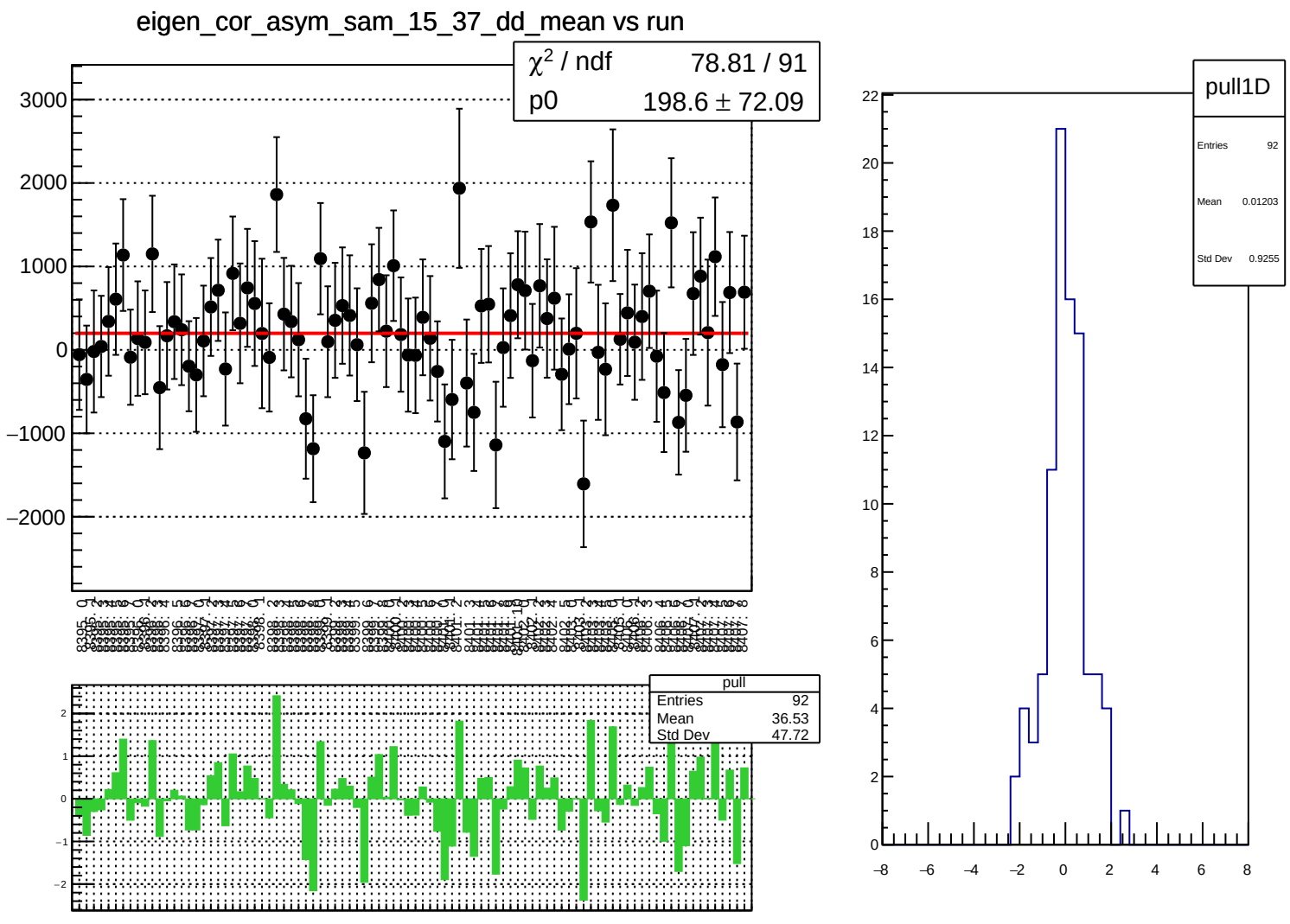

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.81 / 91
p0 198.6 ± 72.09
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 36.53
Std Dev 47.72
2
1
0
−1
−2

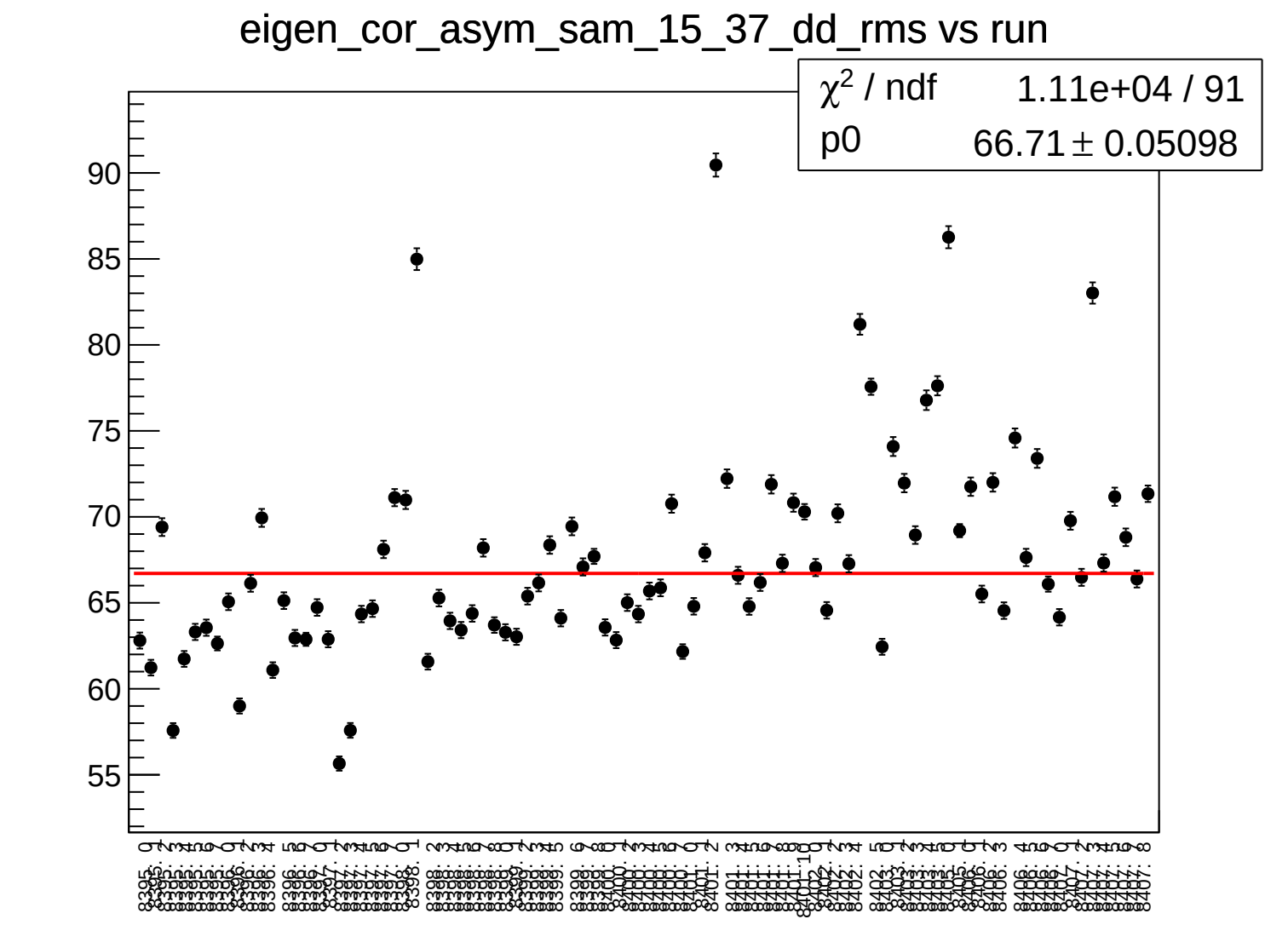

pull1D
Entries 92
Mean 0.01203
Std Dev 0.9255
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

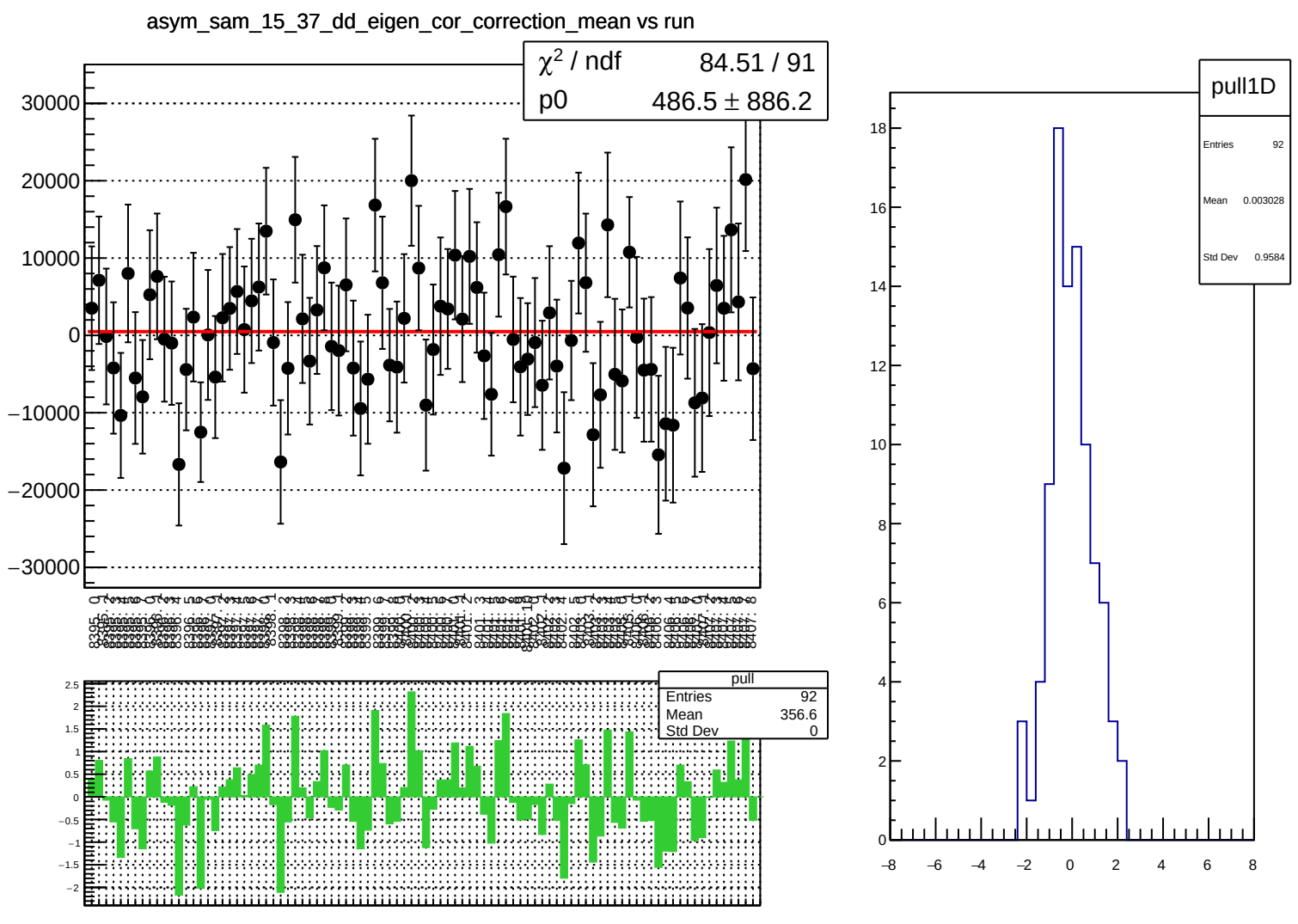

cor_asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 1.11e+04 / 91
p0 66.71 ± 0.05098
90
85
80
75
70
65
60
55

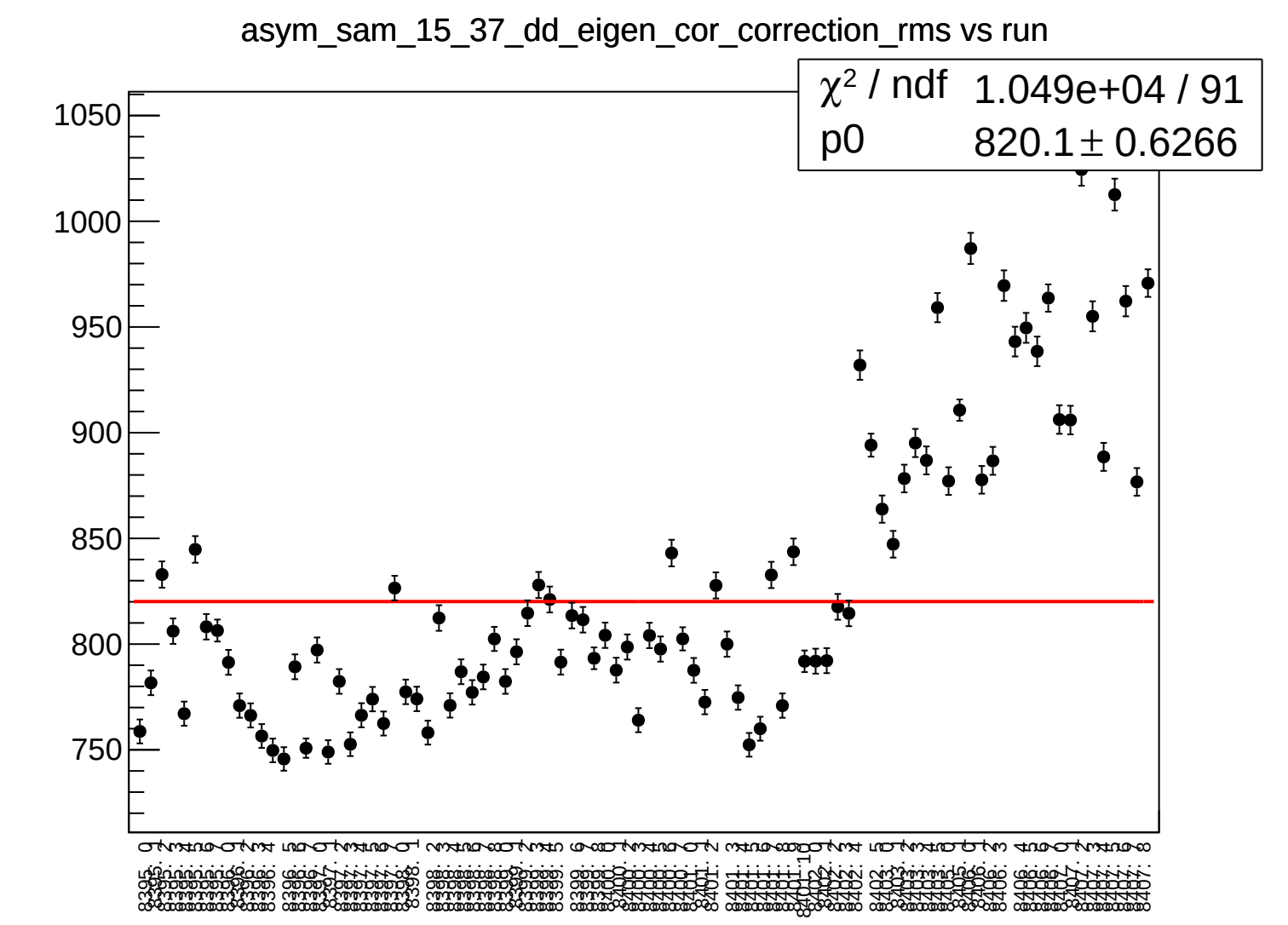

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 84.51 / 91
p0 486.5 ± 886.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 356.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.003028
Std Dev 0.9584
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

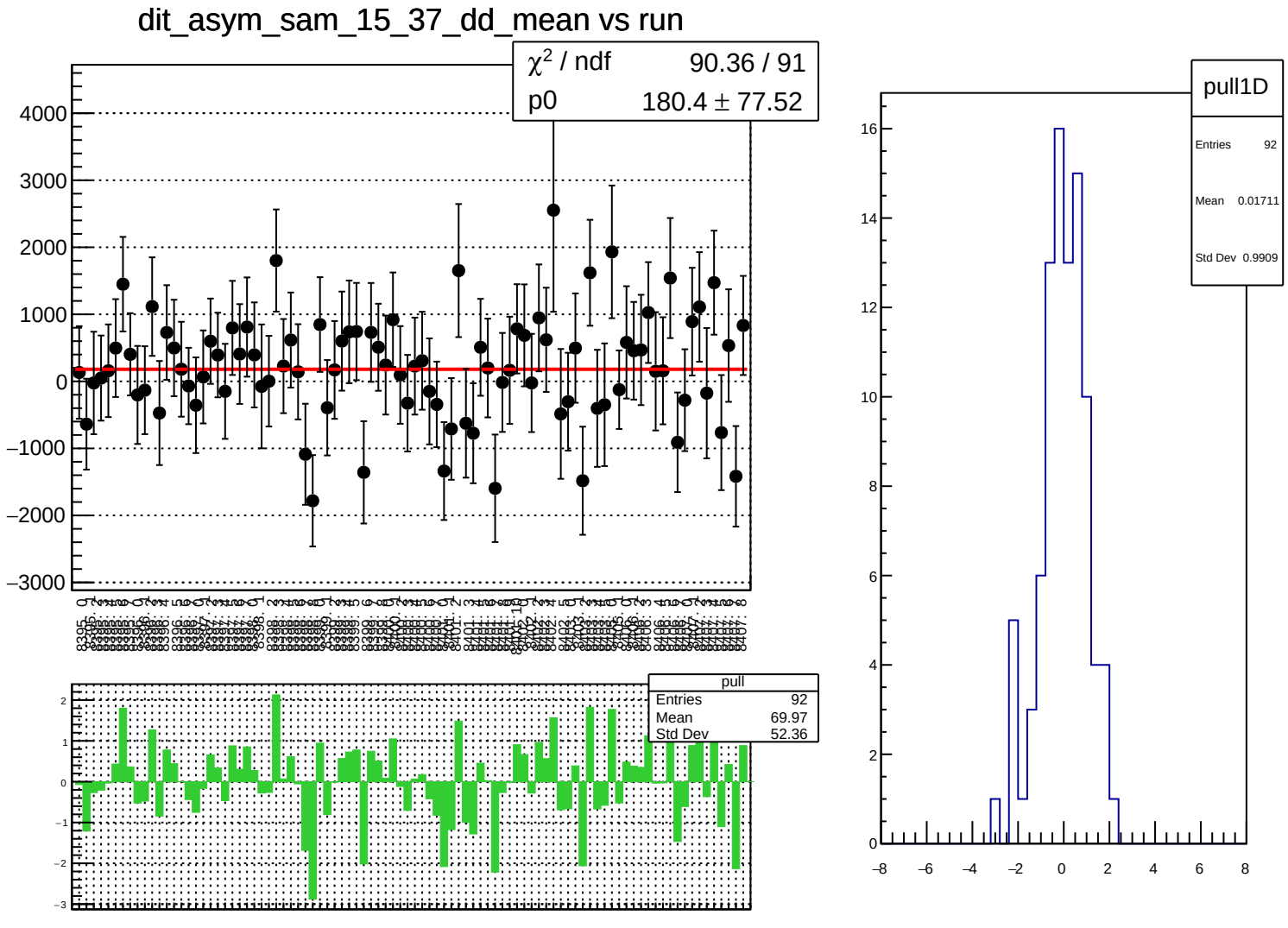

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 1.049e+04 / 91
p0 820.1 ± 0.6266
1050
1000
950
900
850
800
750

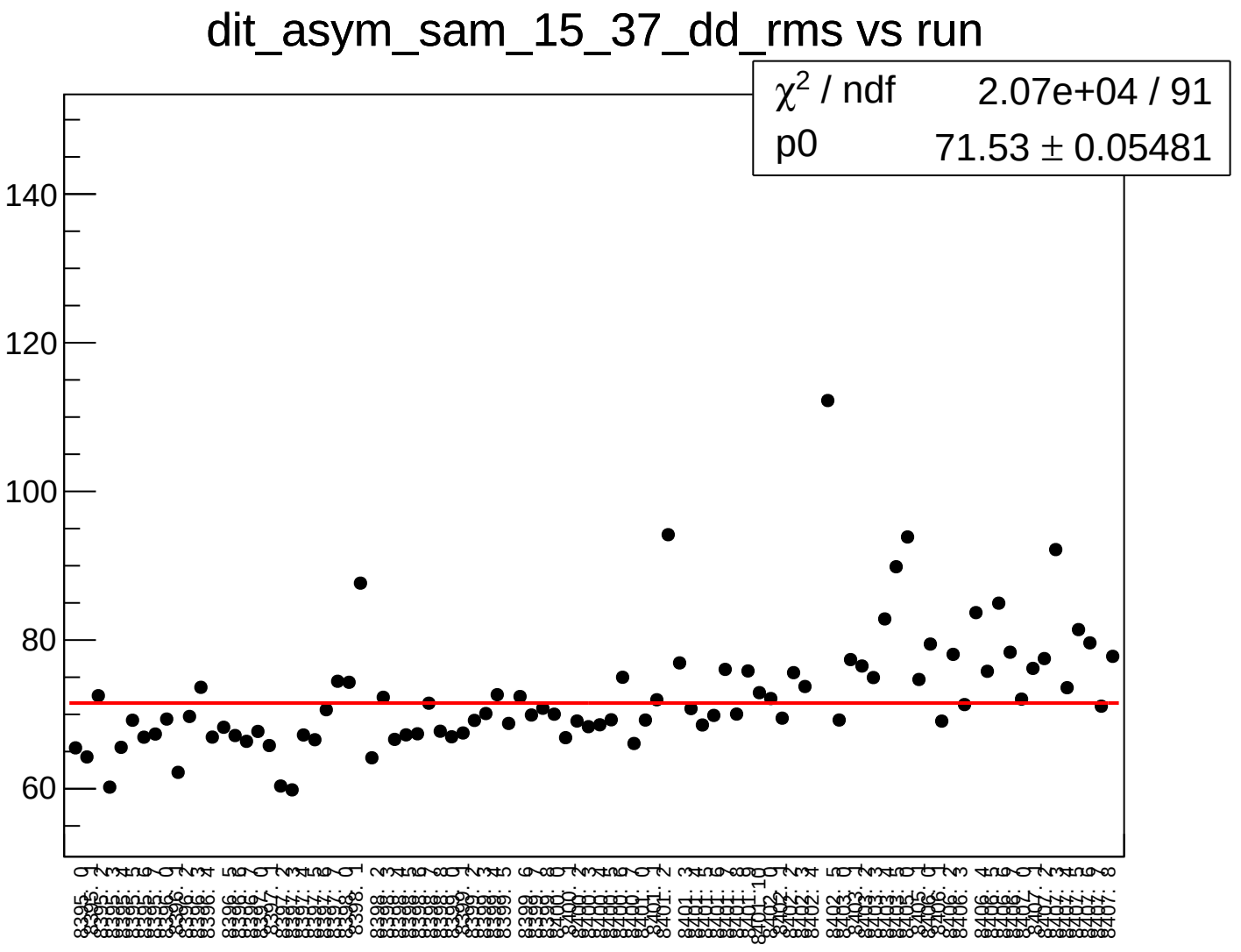

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.81 / 91
p0 198.6 ± 72.09
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 36.53
Std Dev 47.72
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.01203
Std Dev 0.9255
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

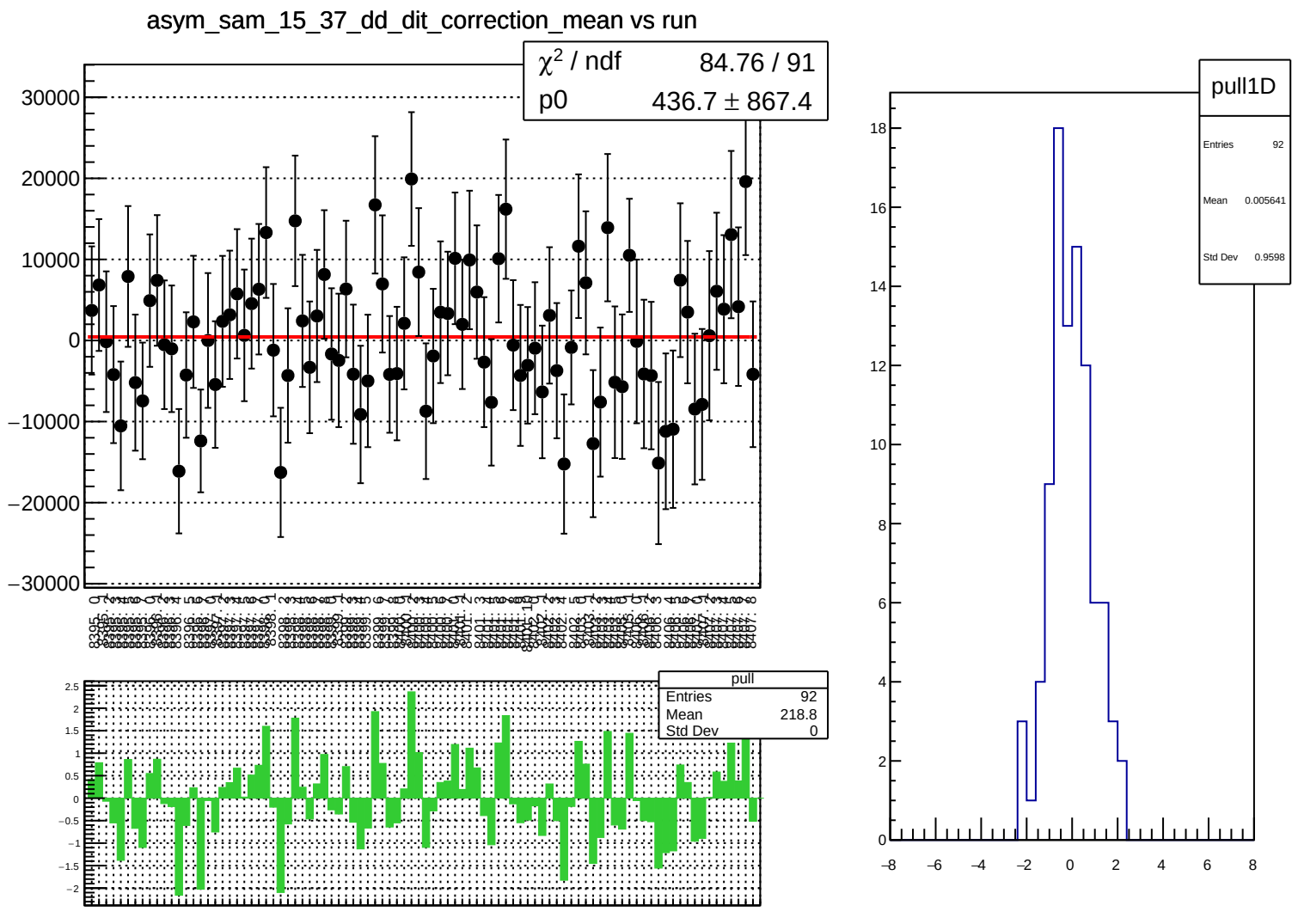

eigen_cor_asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 1.11e+04 / 91
p0 66.71 ± 0.05098
90
85
80
75
70
65
60
55

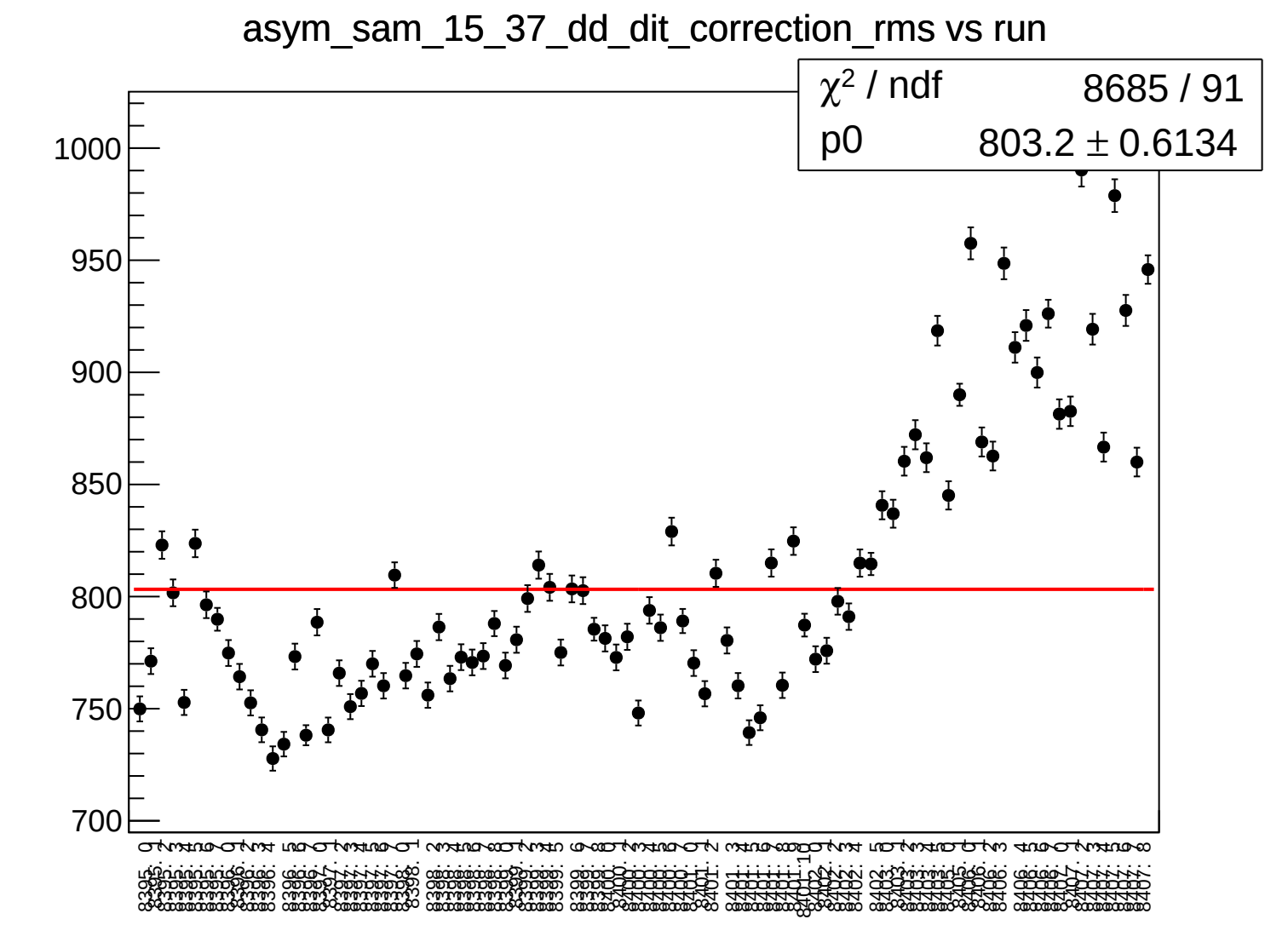

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.51 / 91
p0 486.5 ± 886.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 356.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.003028
Std Dev 0.9584
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

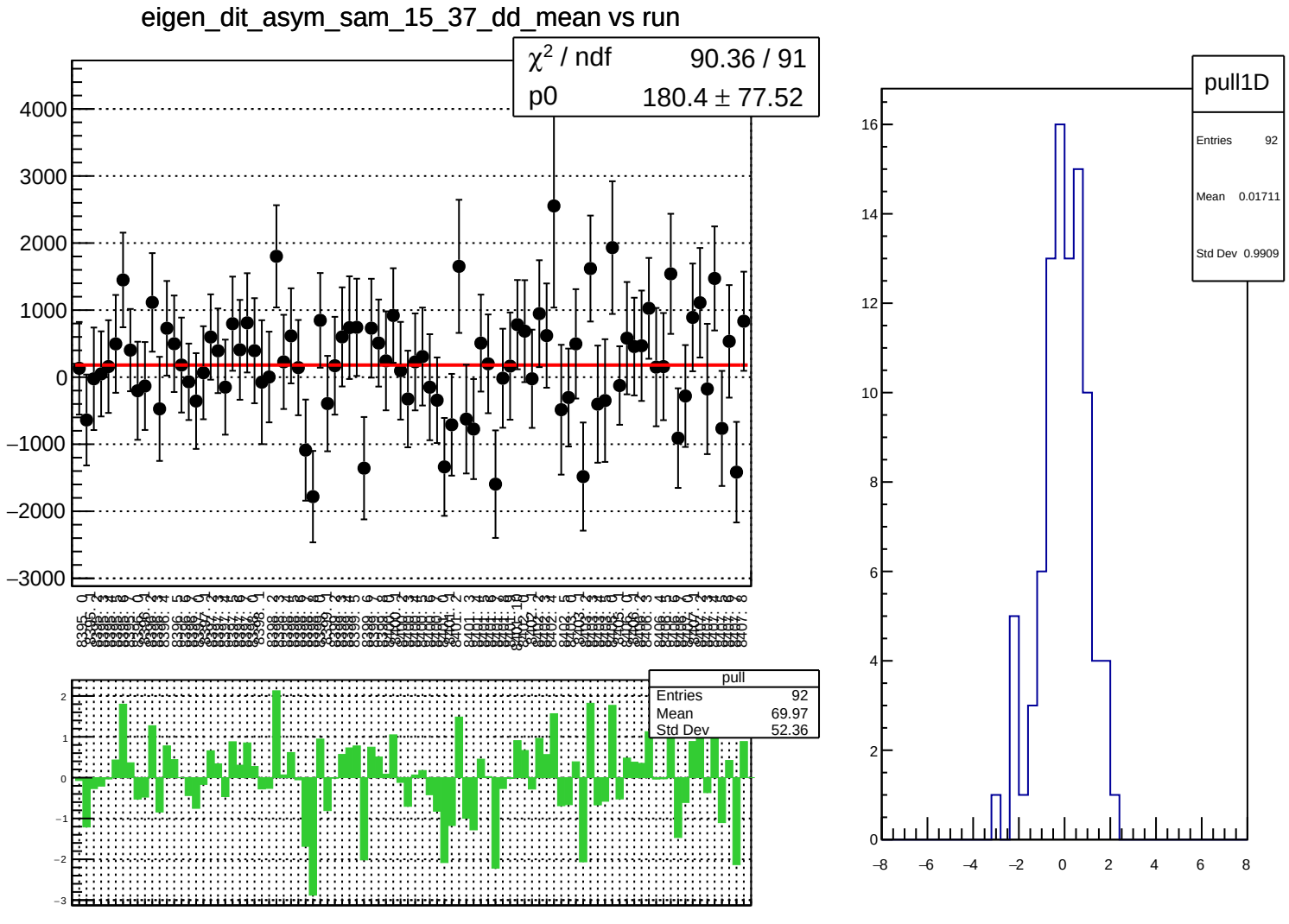

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.049e+04 / 91
p0 820.1 ± 0.6266
1050
1000
950
900
850
800
750

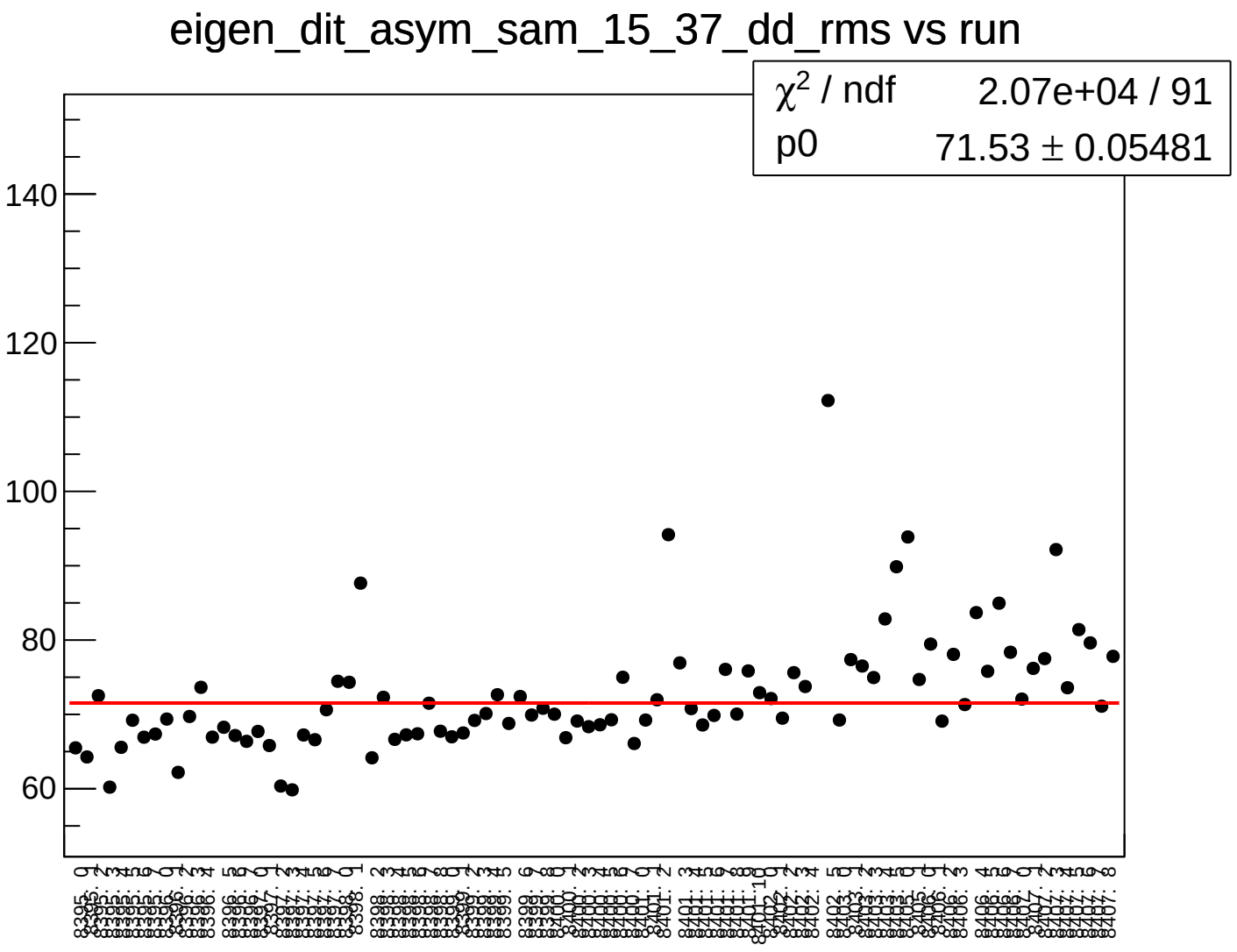

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 90.36 / 91
p0 180.4 ± 77.52
pull
Entries 92
Mean 69.97
Std Dev 52.36
pull1D
Entries 92
Mean 0.01711
Std Dev 0.9909

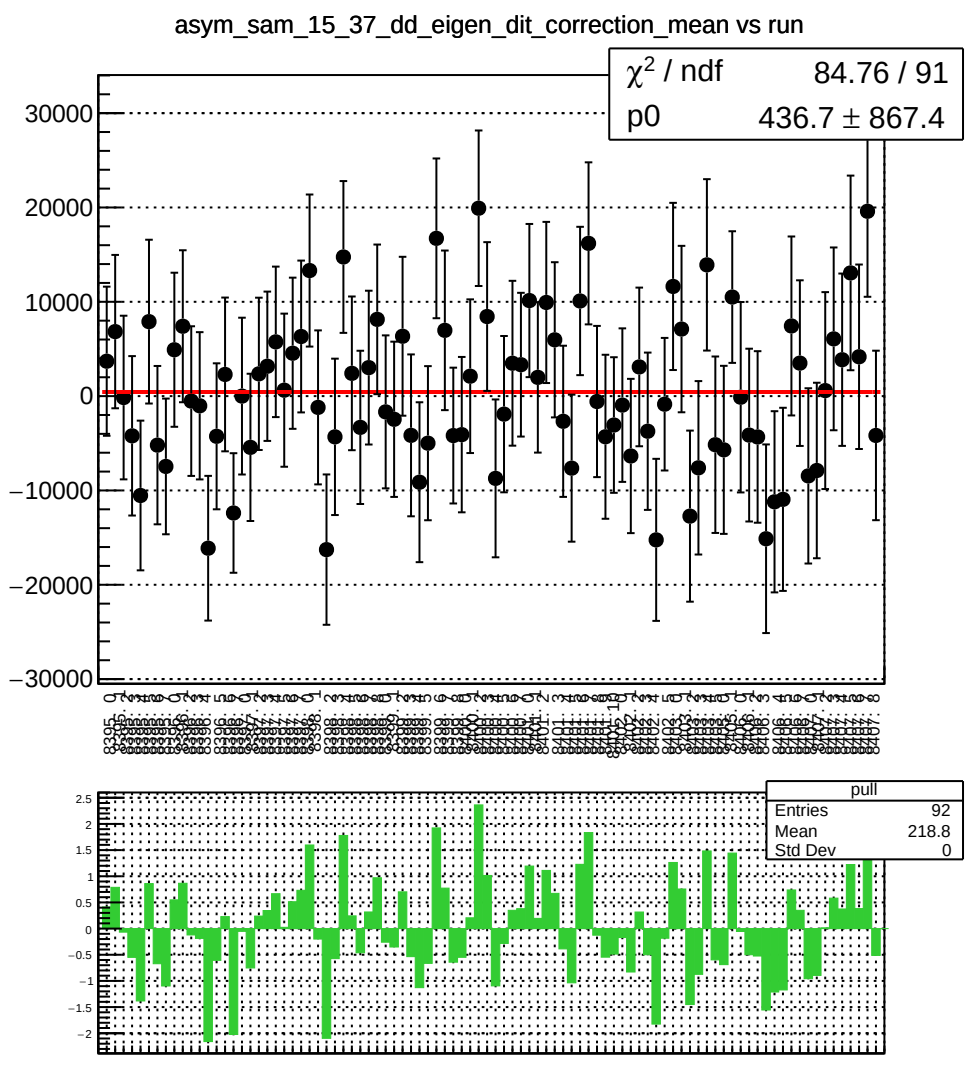

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.07e+04 / 91
p0 71.53 ± 0.05481
140
120
100
80
60

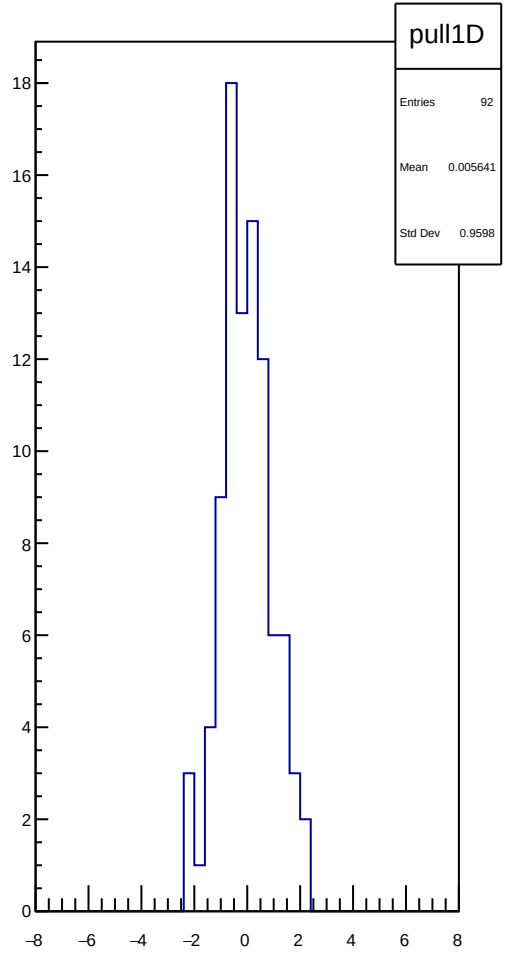

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 84.76 / 91
p0 436.7 ± 867.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 218.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.005641
Std Dev 0.9598
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

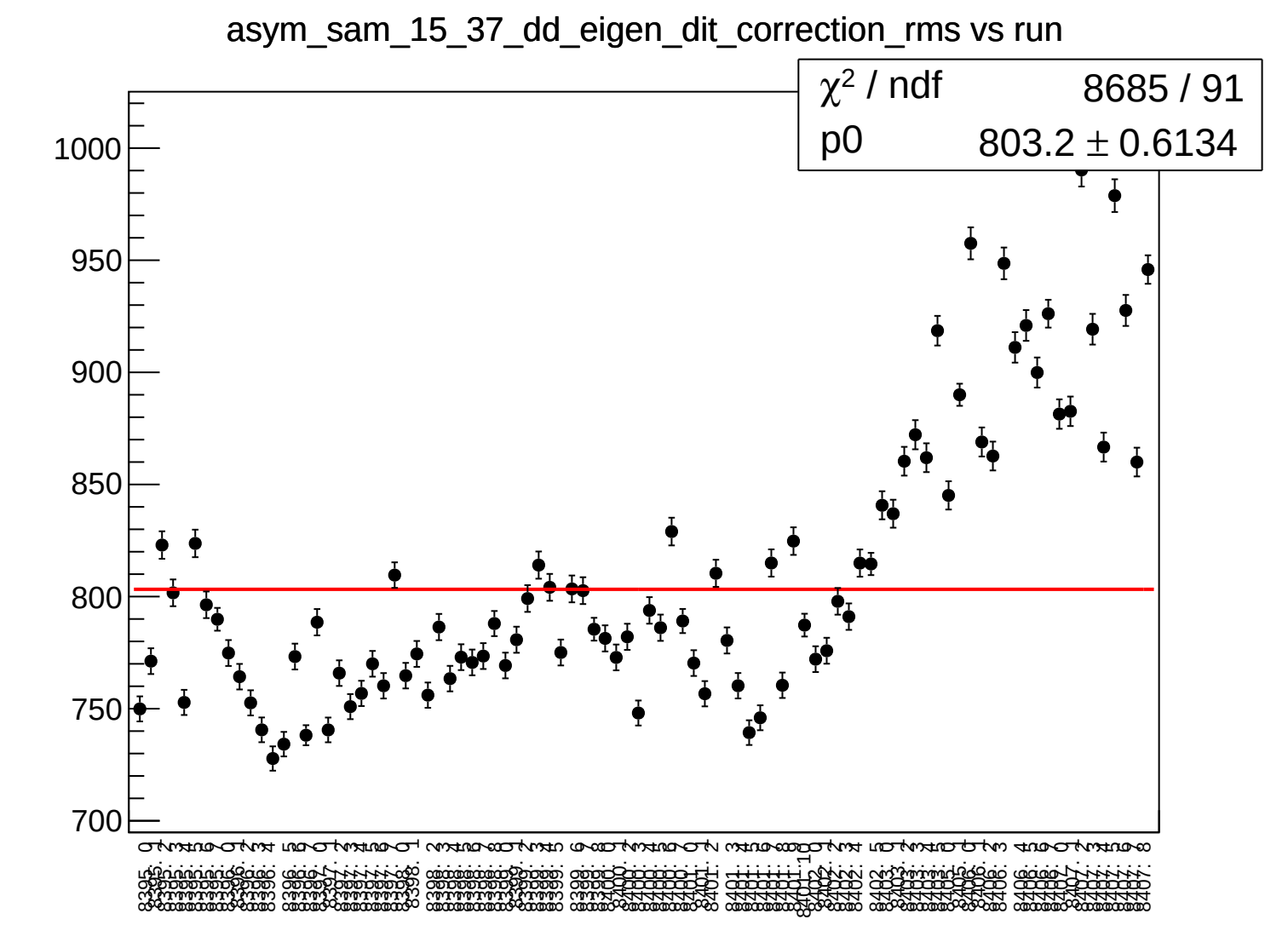

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 8685 / 91
p0 803.2 ± 0.6134
1000
950
900
850
800
750
700

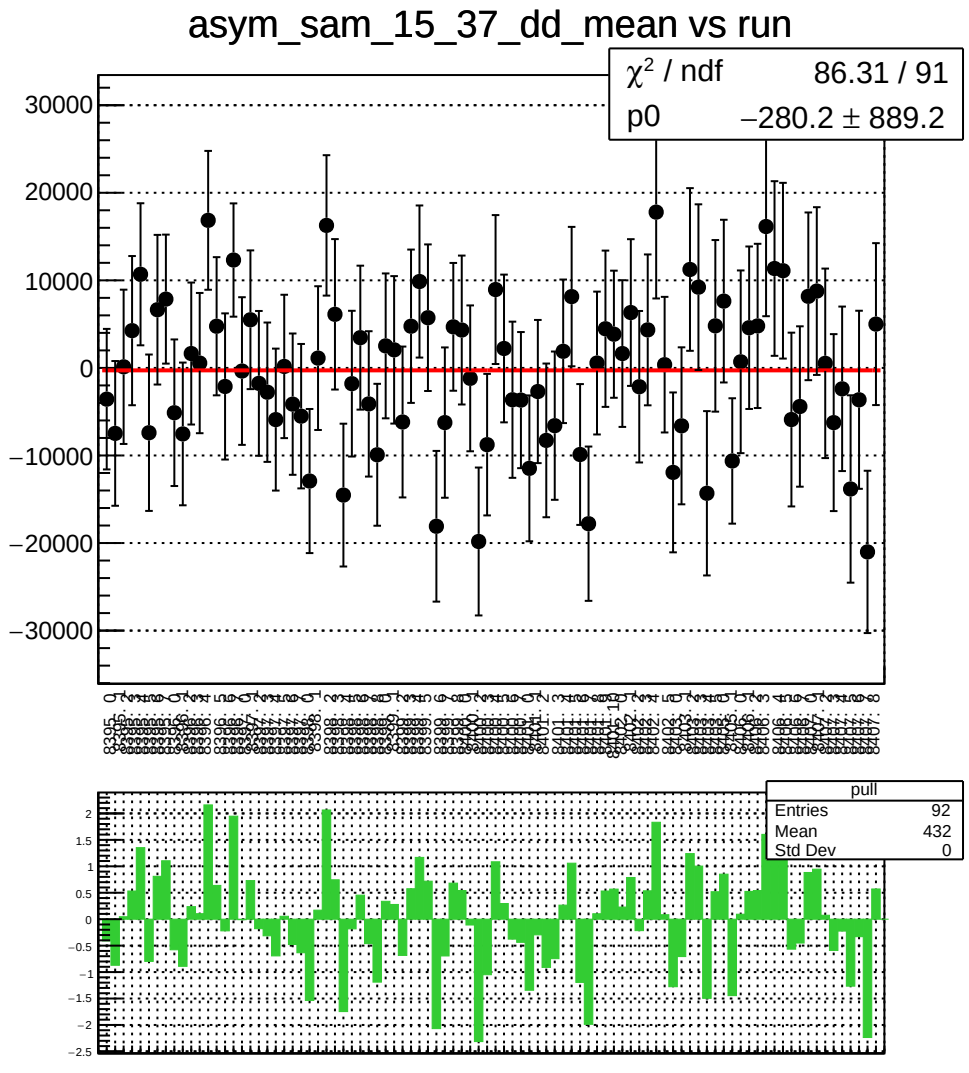

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 90.36 / 91
p0 180.4 ± 77.52
pull
Entries 92
Mean 69.97
Std Dev 52.36
pull1D
Entries 92
Mean 0.01711
Std Dev 0.9909

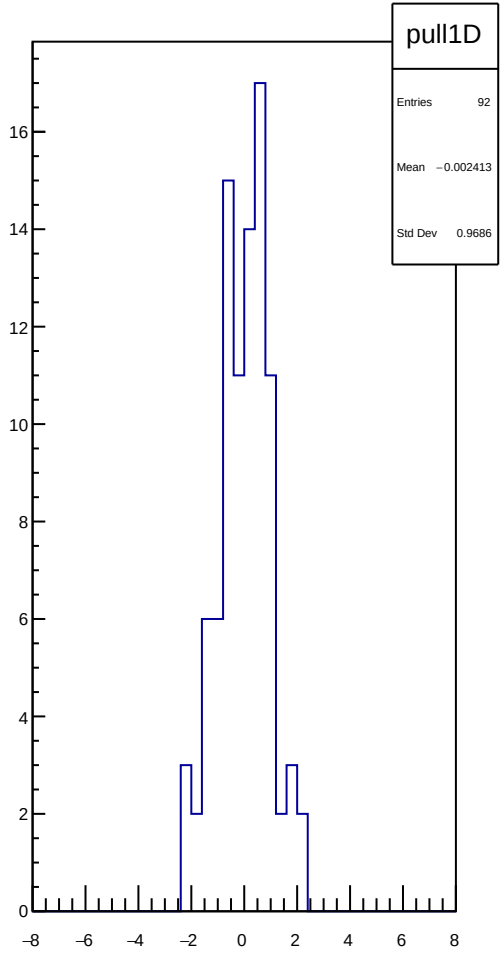

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.07e+04 / 91
p0 71.53 ± 0.05481
140
120
100
80
60

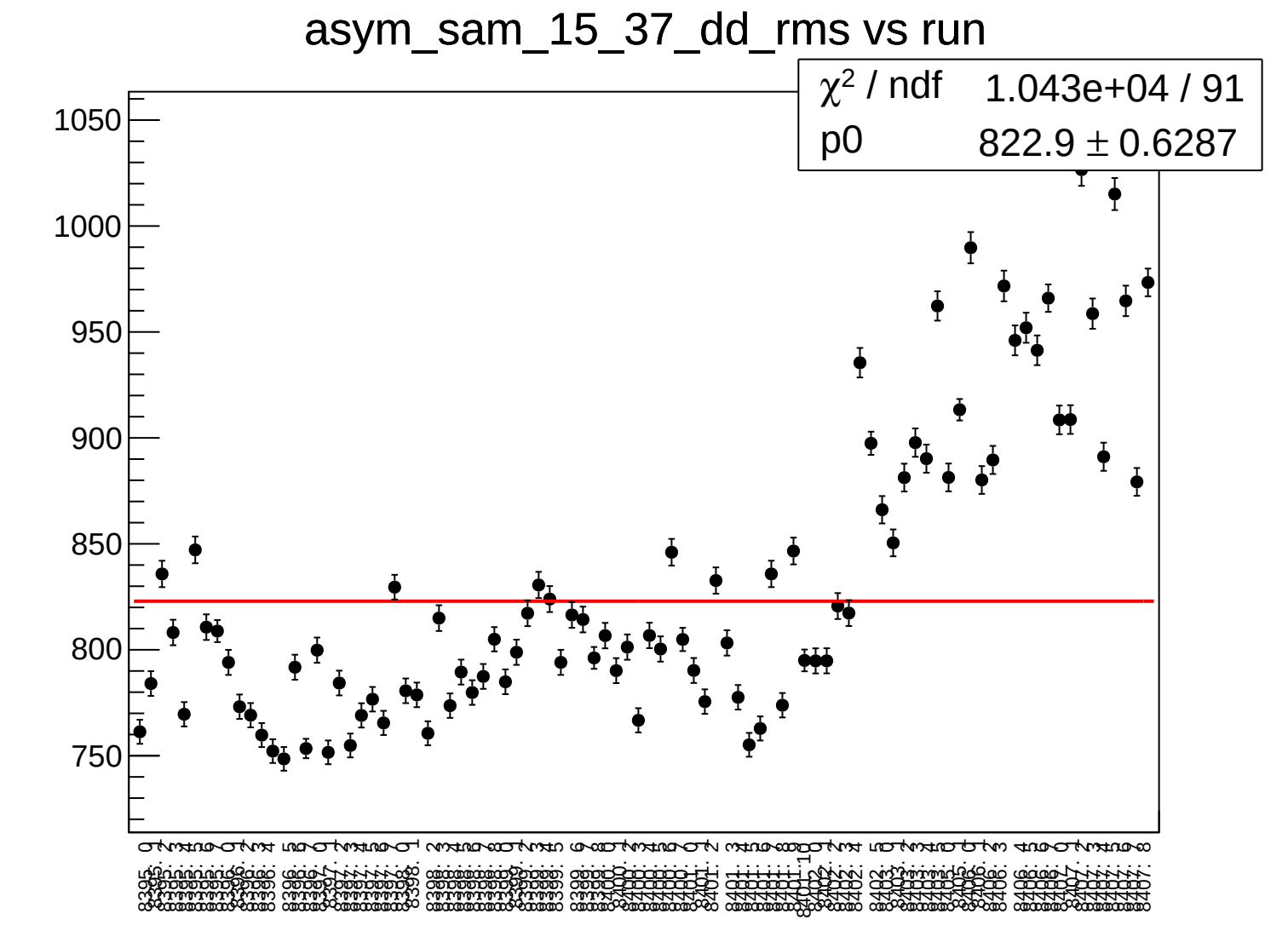

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.76 / 91
p0 436.7 ± 867.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 218.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

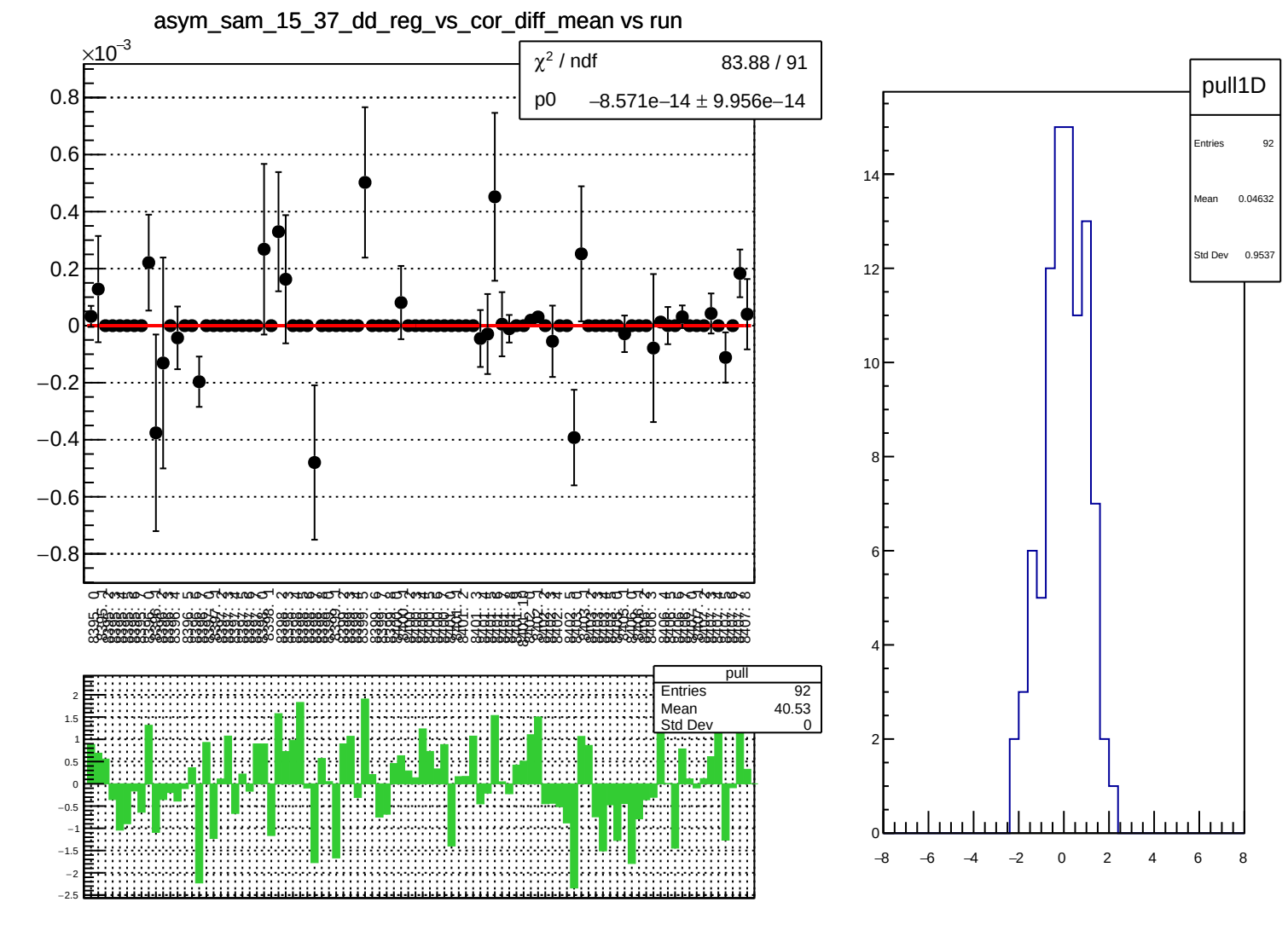

pull1D
Entries 92
Mean 0.005641
Std Dev 0.9598
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

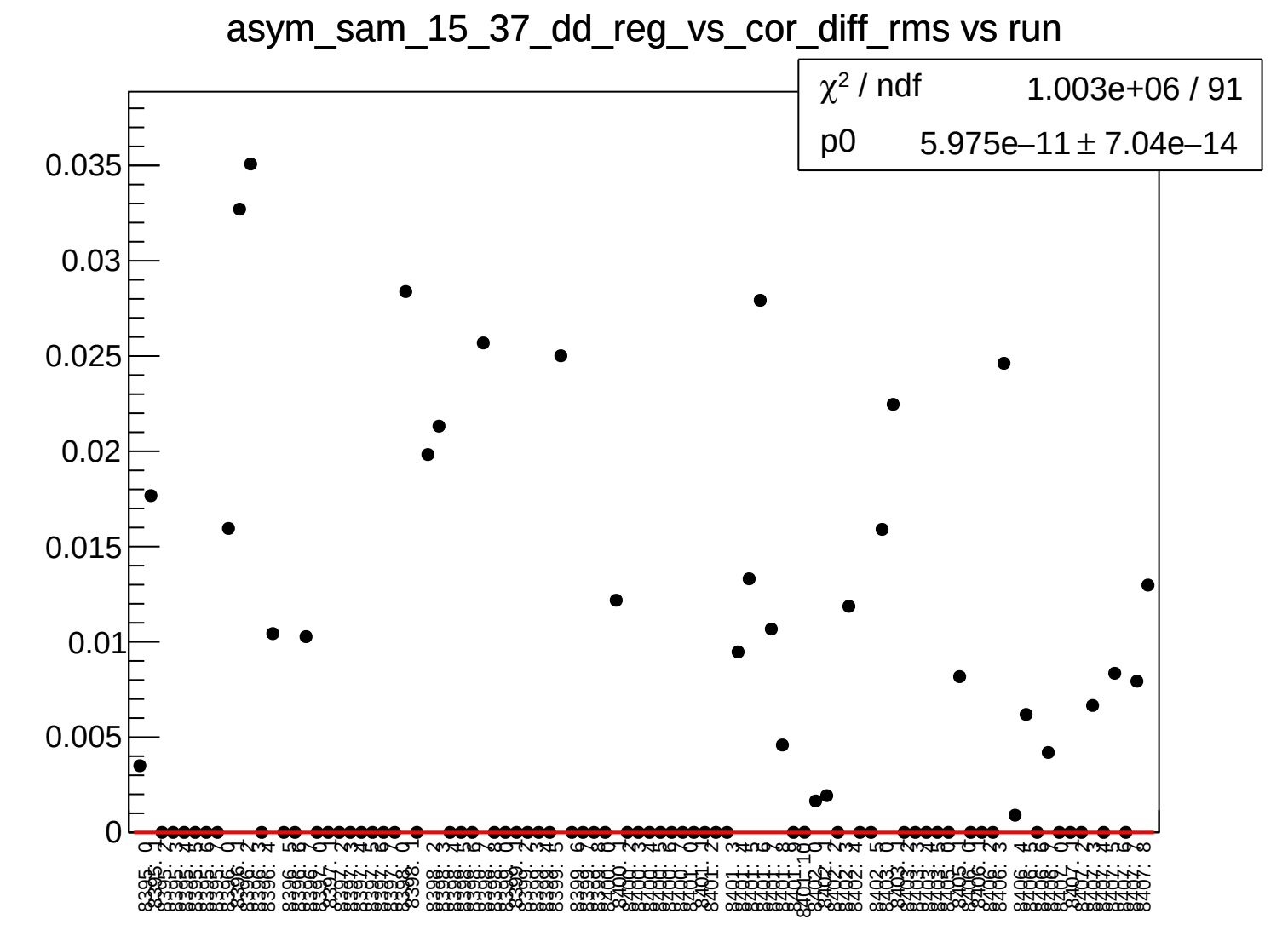

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 8685 / 91
p0 803.2 ± 0.6134
1000
950
900
850
800
750
700

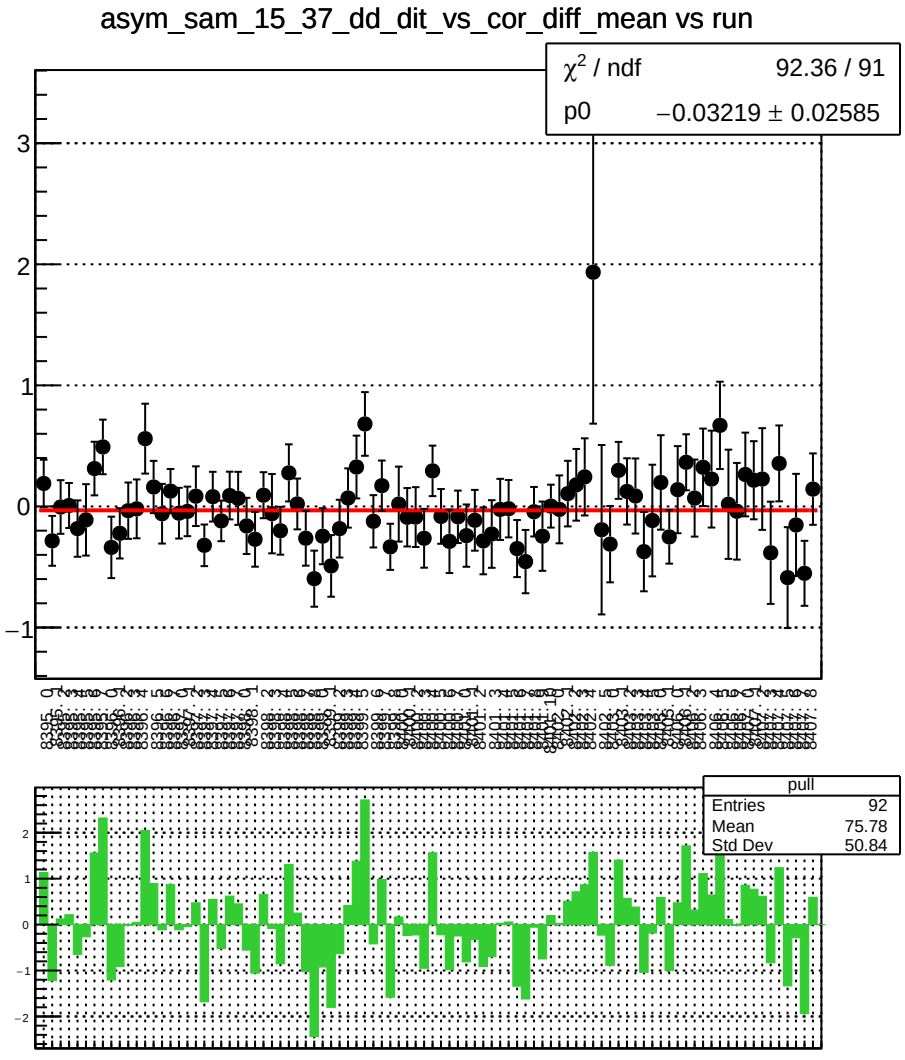

asym_sam_15_37_dd_mean vs run
χ² / ndf 86.31 / 91
p0 −280.2 ± 889.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 432
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

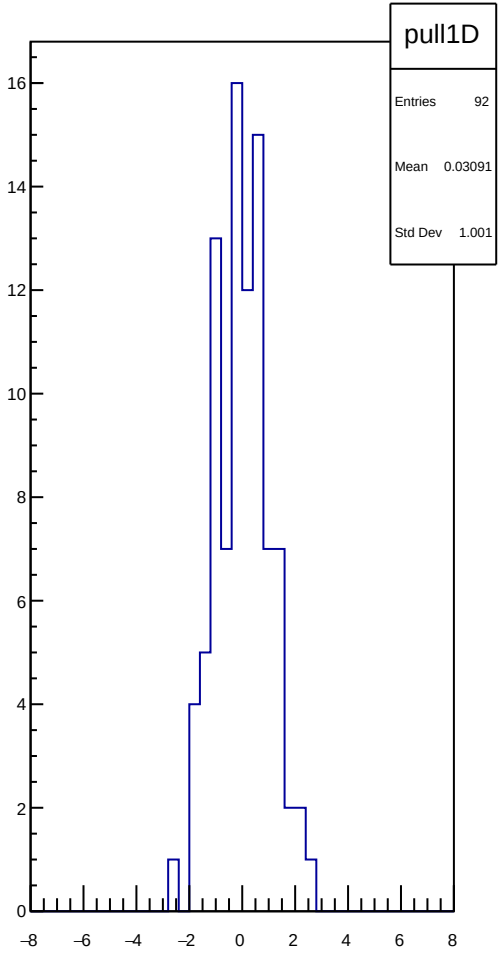

pull1D
Entries 92
Mean −0.002413
Std Dev 0.9686
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

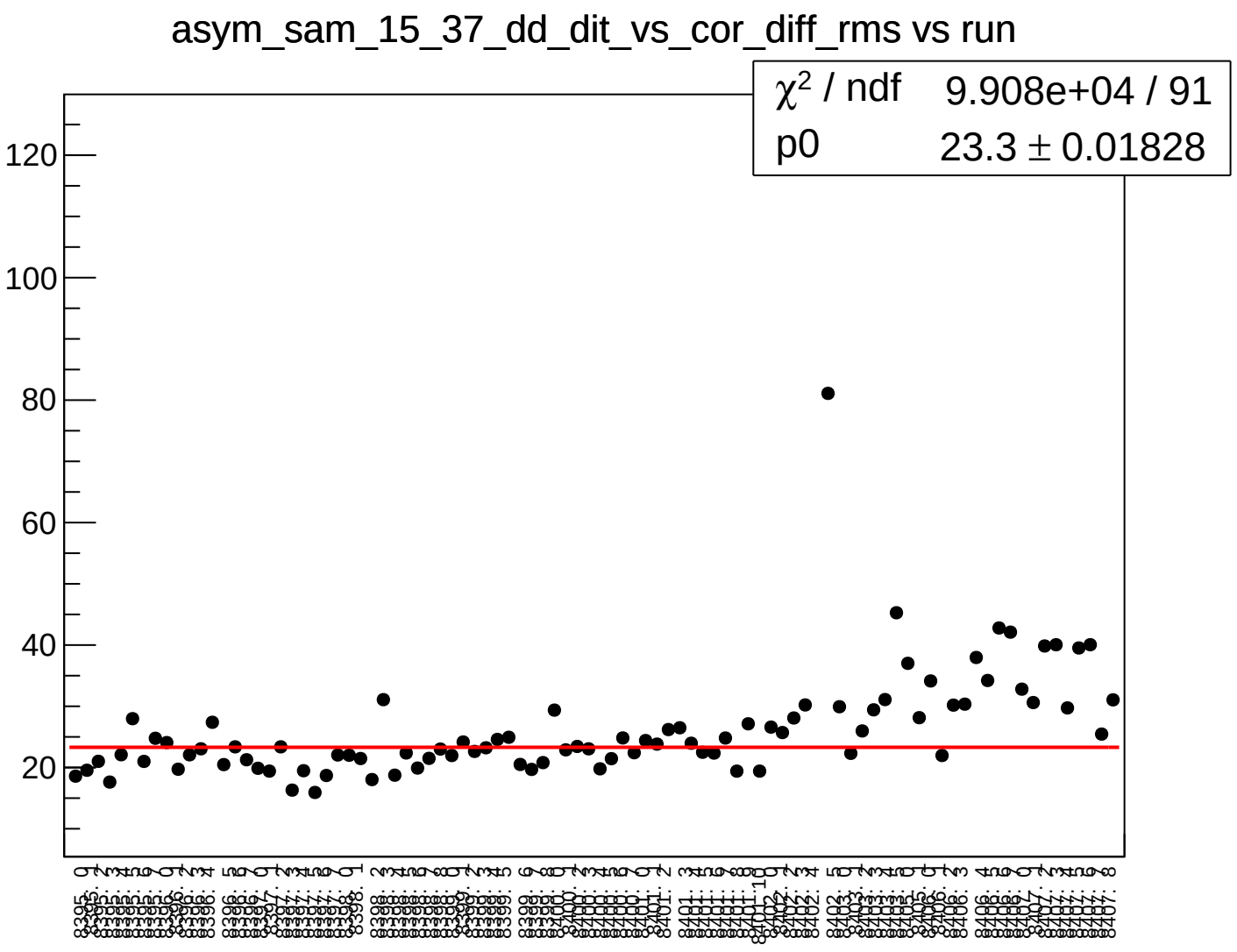

asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 1.043e+04 / 91
p0 822.9 ± 0.6287
1050
1000
950
900
850
800
750

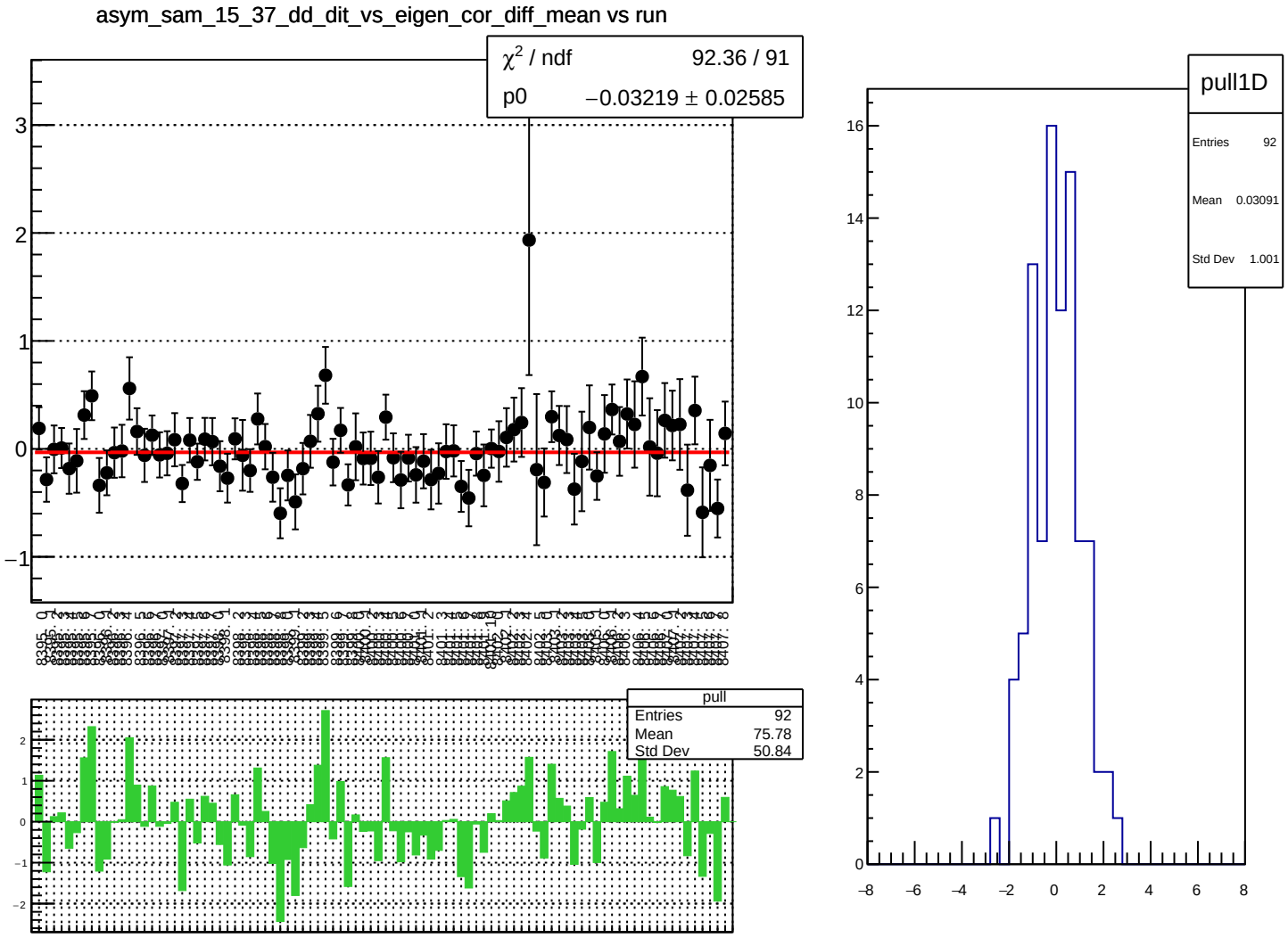

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 83.88 / 91
p0 −8.571e−14 ± 9.956e−14
pull
Entries 92
Mean 40.53
Std Dev 0
pull1D
Entries 92
Mean 0.04632
Std Dev 0.9537

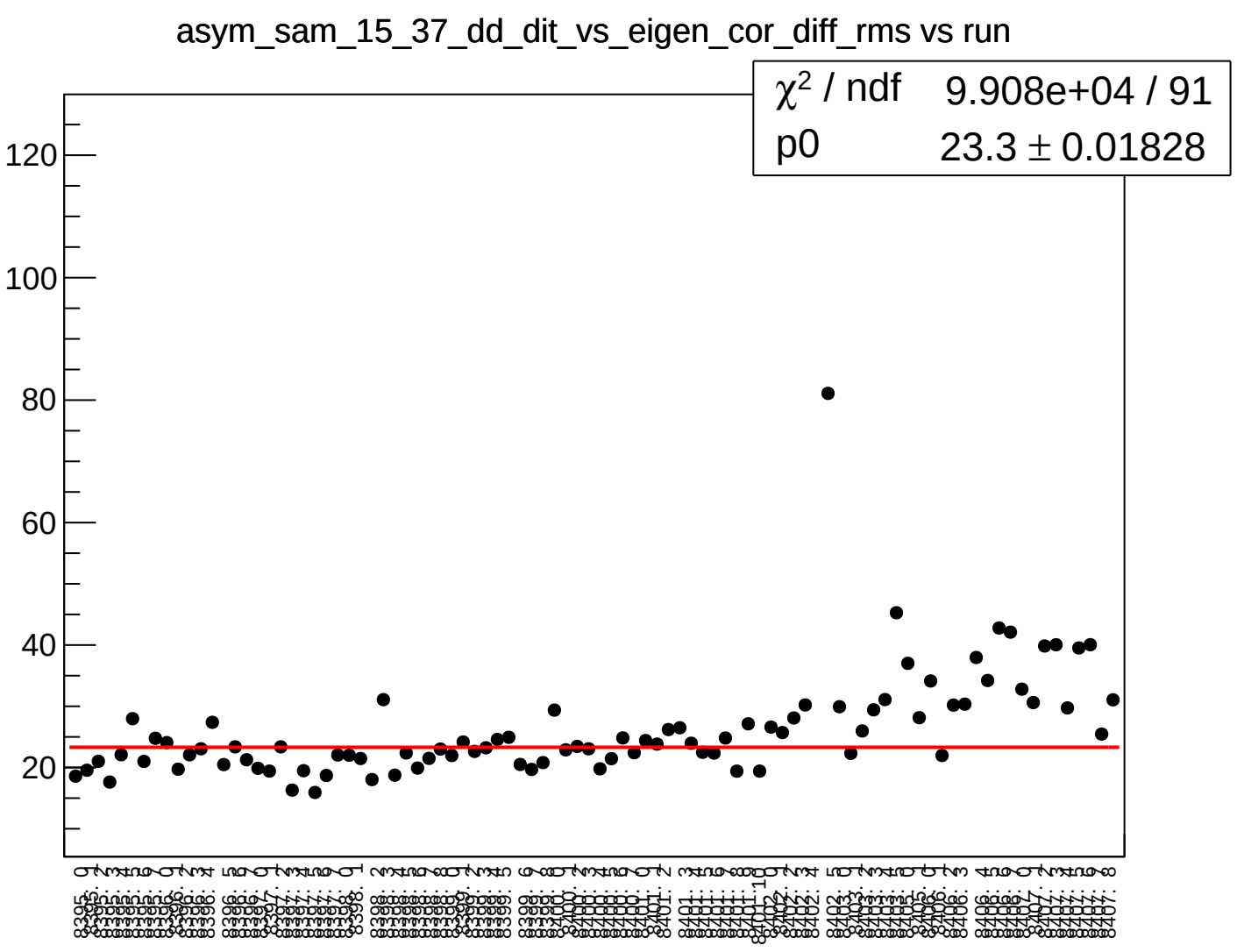

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.003e+06 / 91
p0 5.975e−11 ± 7.04e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

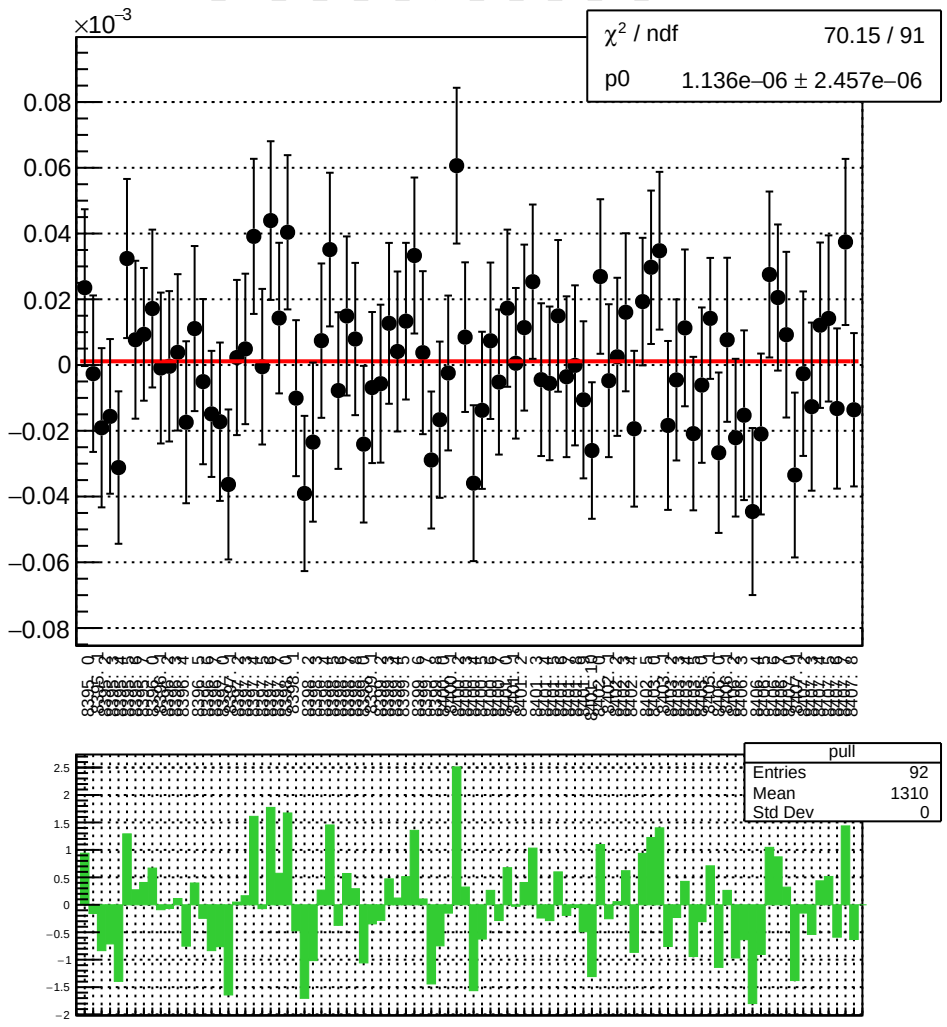

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 92.36 / 91
p0 −0.03219 ± 0.02585
pull
Entries 92
Mean 75.78
Std Dev 50.84

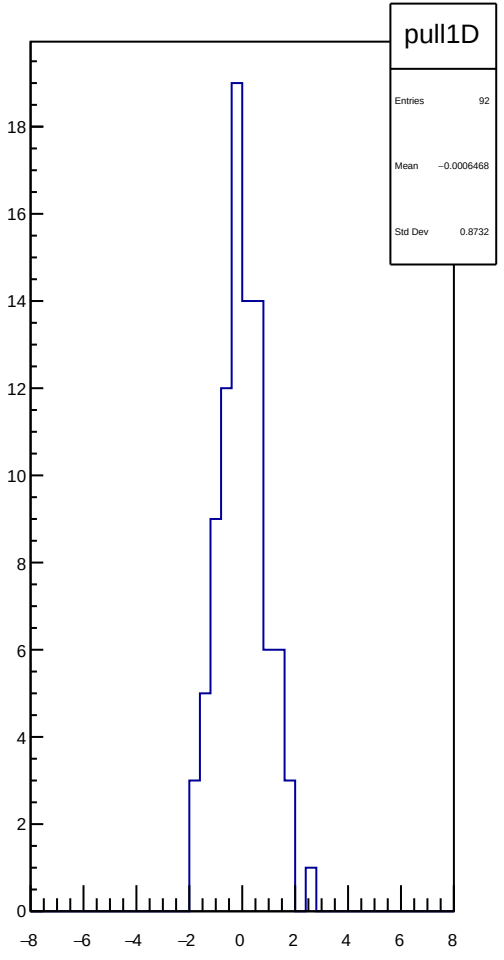

pull1D
Entries 92
Mean 0.03091
Std Dev 1.001

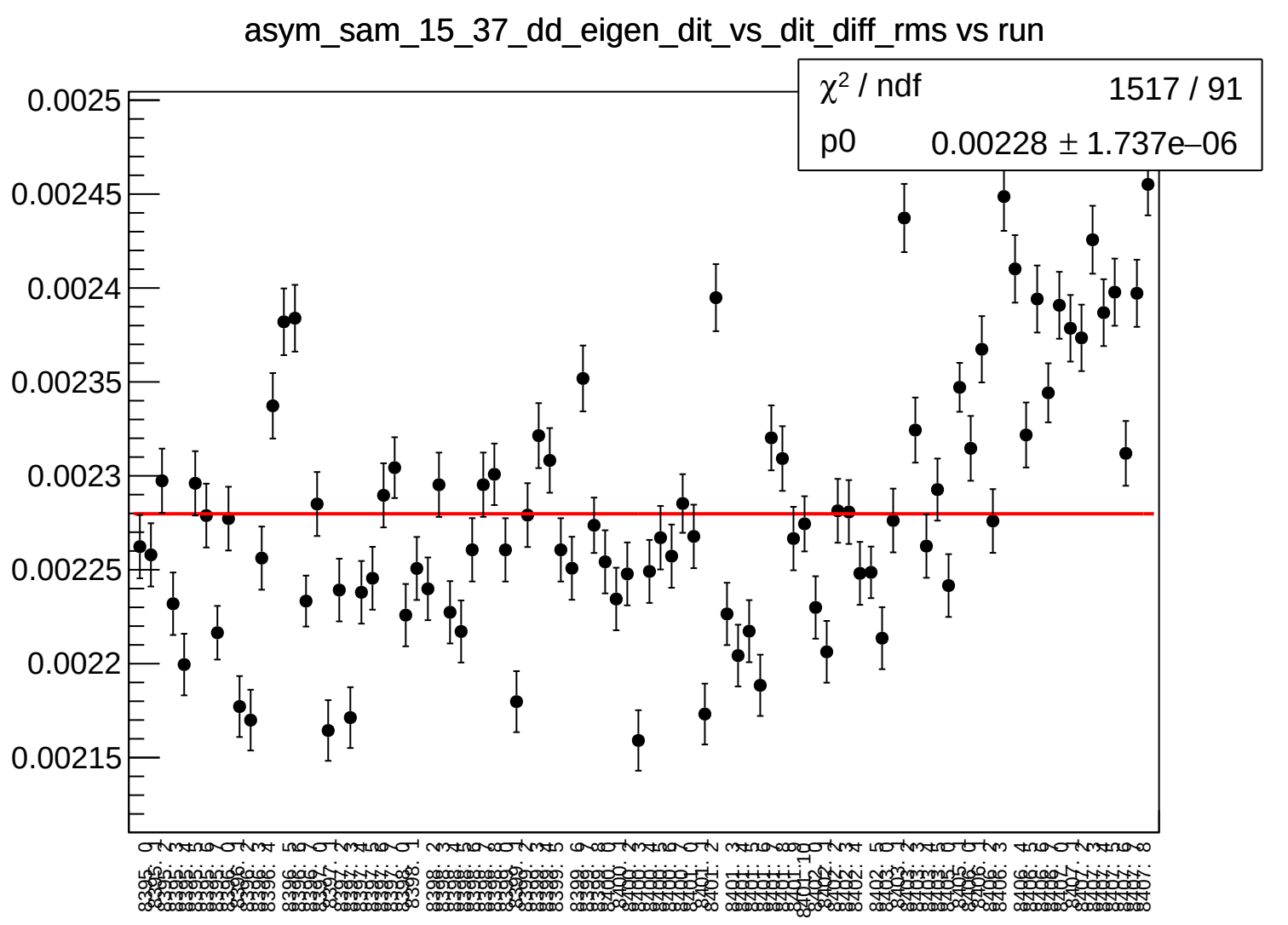

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.908e+04 / 91
p0 23.3 ± 0.01828
120
100
80
60
40
20

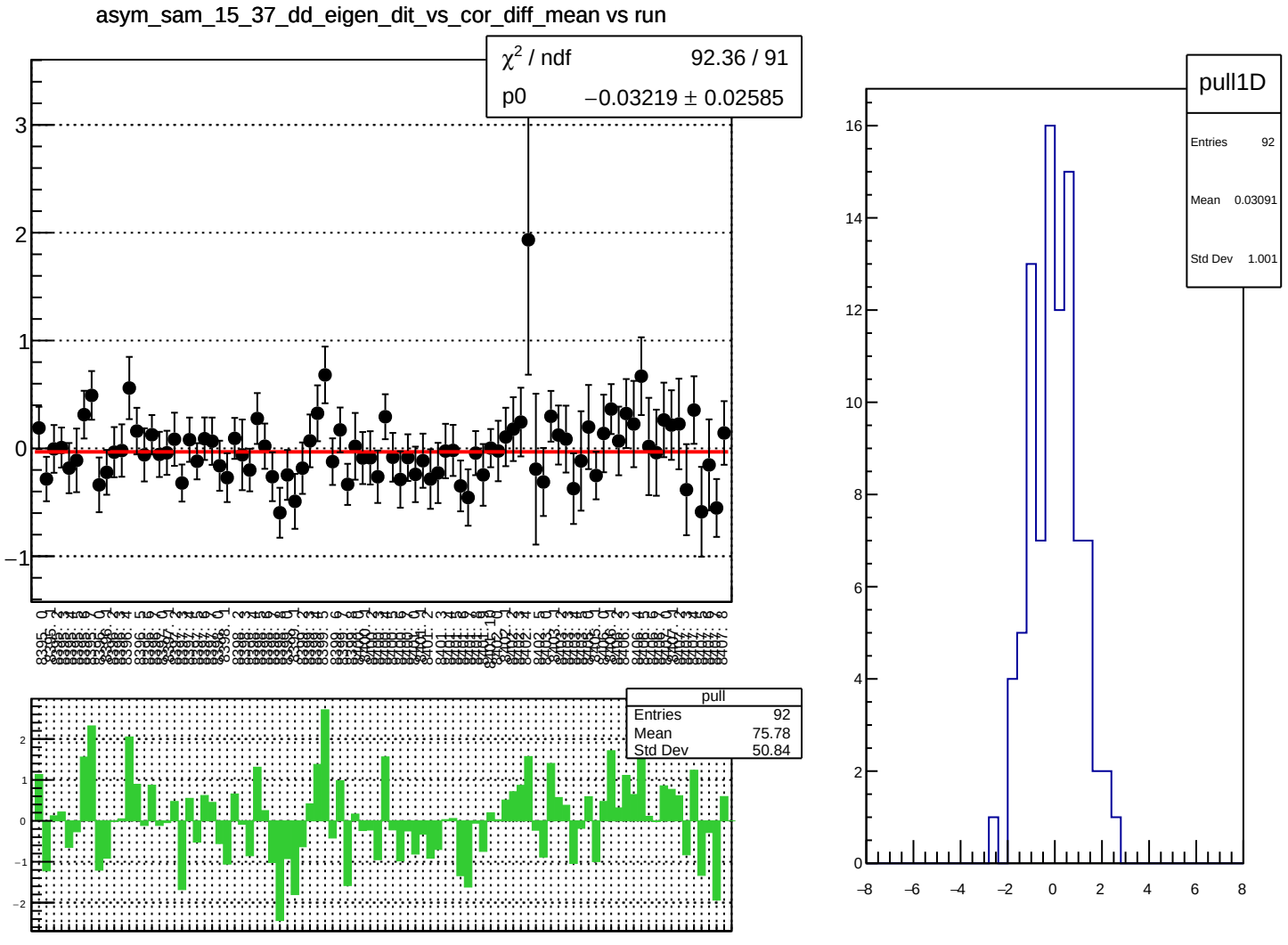

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.36 / 91
p0 −0.03219 ± 0.02585
pull
Entries 92
Mean 75.78
Std Dev 50.84
pull1D
Entries 92
Mean 0.03091
Std Dev 1.001

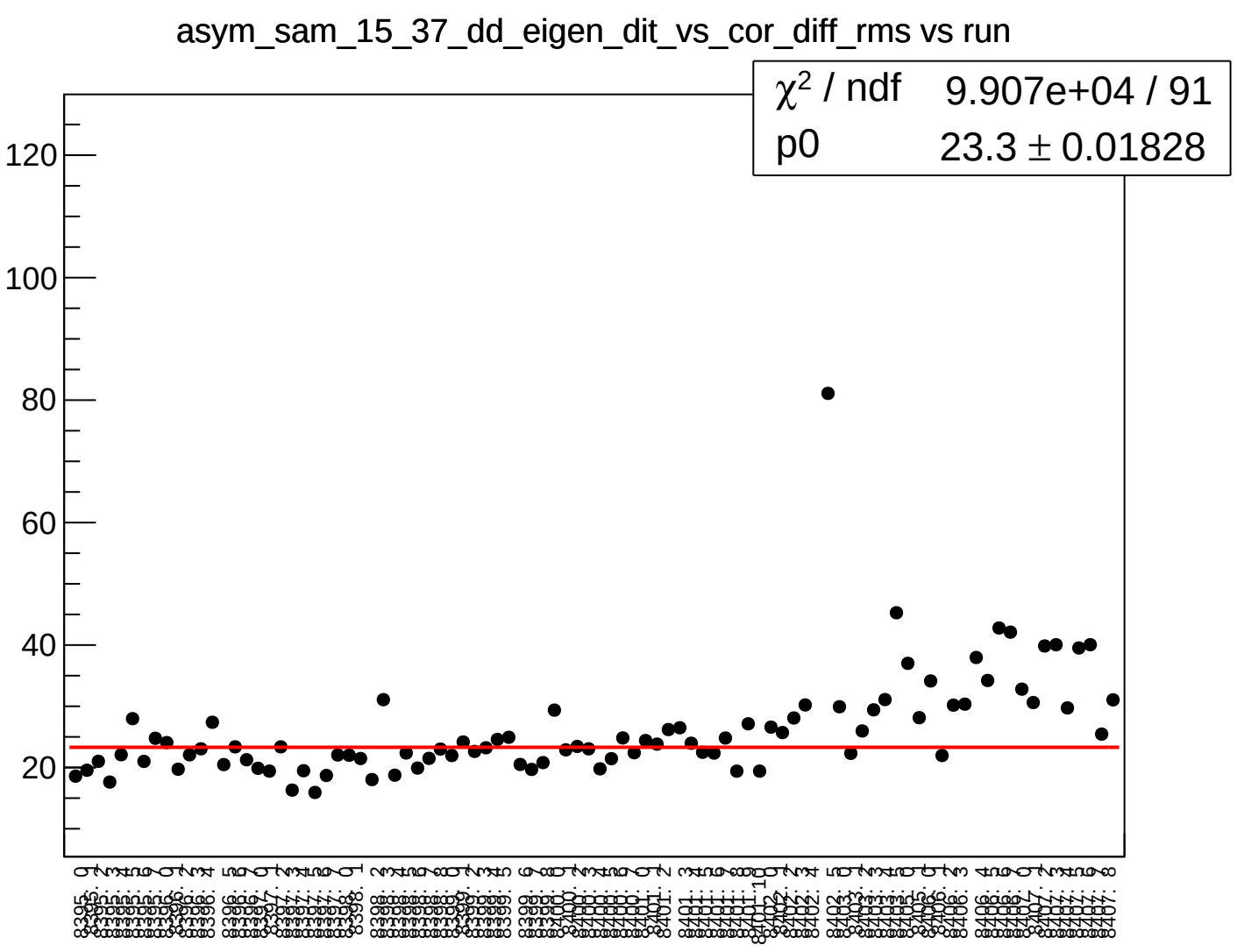

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.908e+04 / 91
p0 23.3 ± 0.01828
120
100
80
60
40
20


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 70.15 / 91
p0 1.136e−06 ± 2.457e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 92
Mean 1310
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

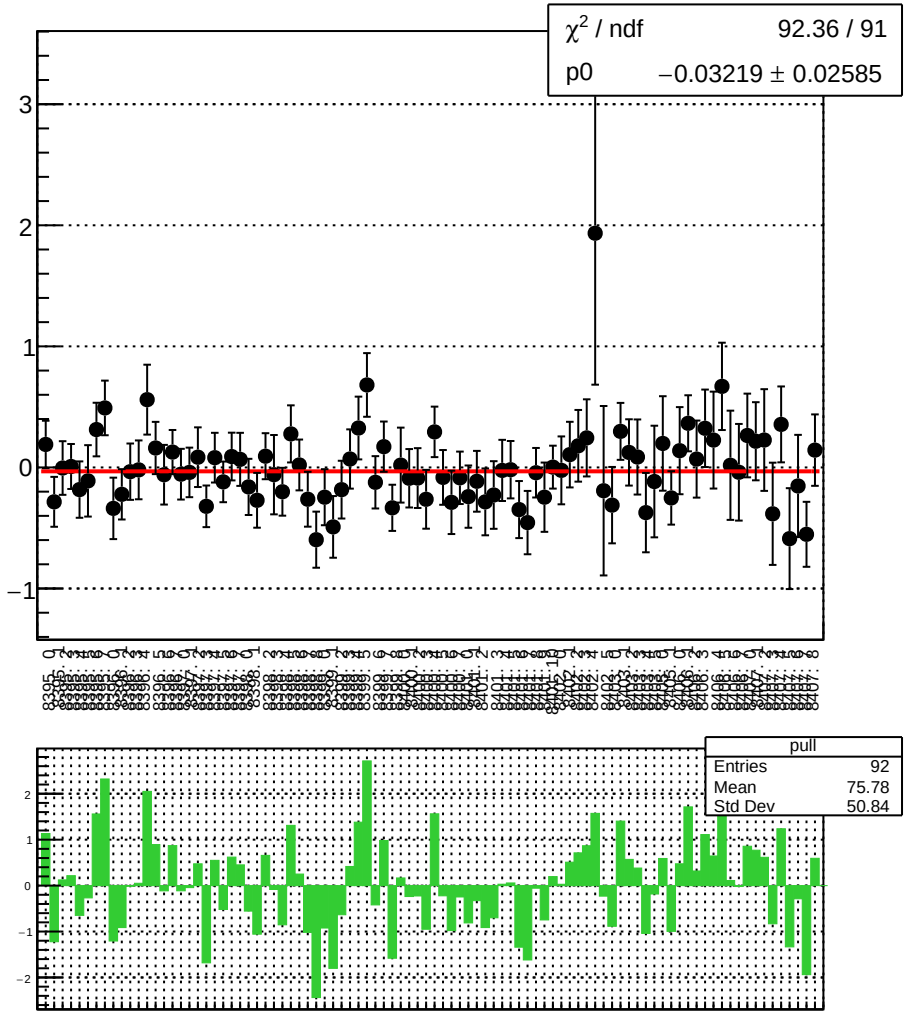

pull1D
Entries 92
Mean −0.0006468
Std Dev 0.8732
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

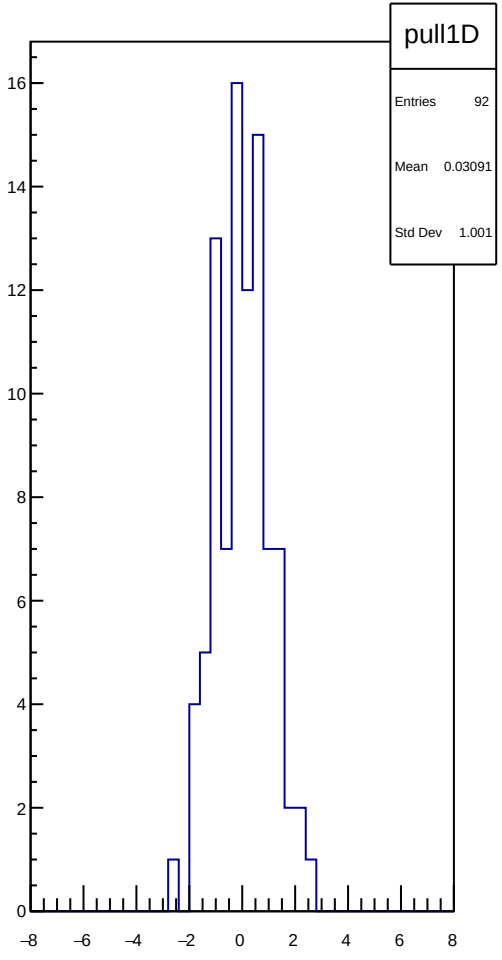

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1517 / 91
p0 0.00228 ± 1.737e−06
0.0025
0.00245
0.0024
0.00235
0.0023
0.00225
0.0022
0.00215

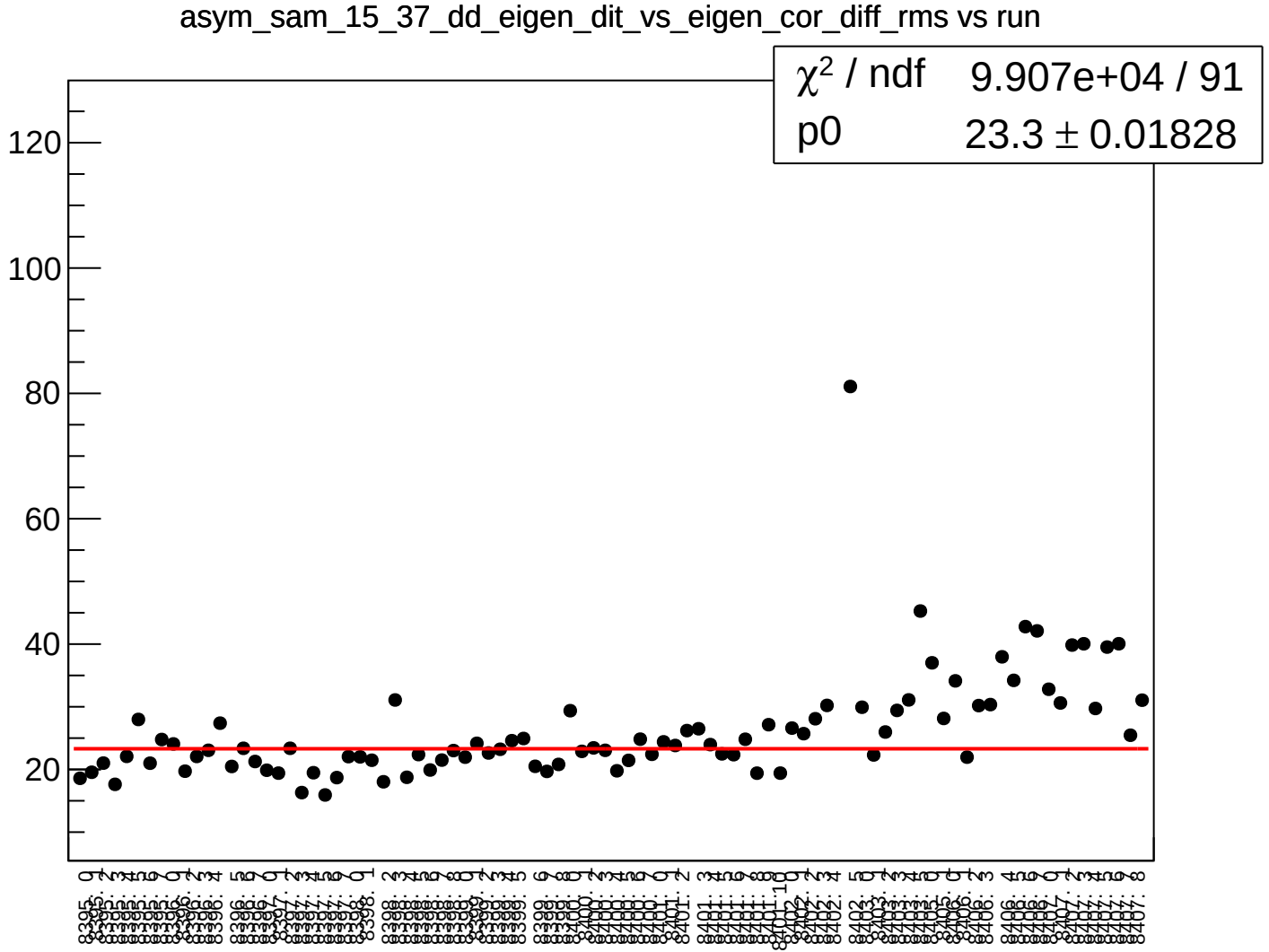

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.36 / 91
p0 −0.03219 ± 0.02585
pull
Entries 92
Mean 75.78
Std Dev 50.84
pull1D
Entries 92
Mean 0.03091
Std Dev 1.001

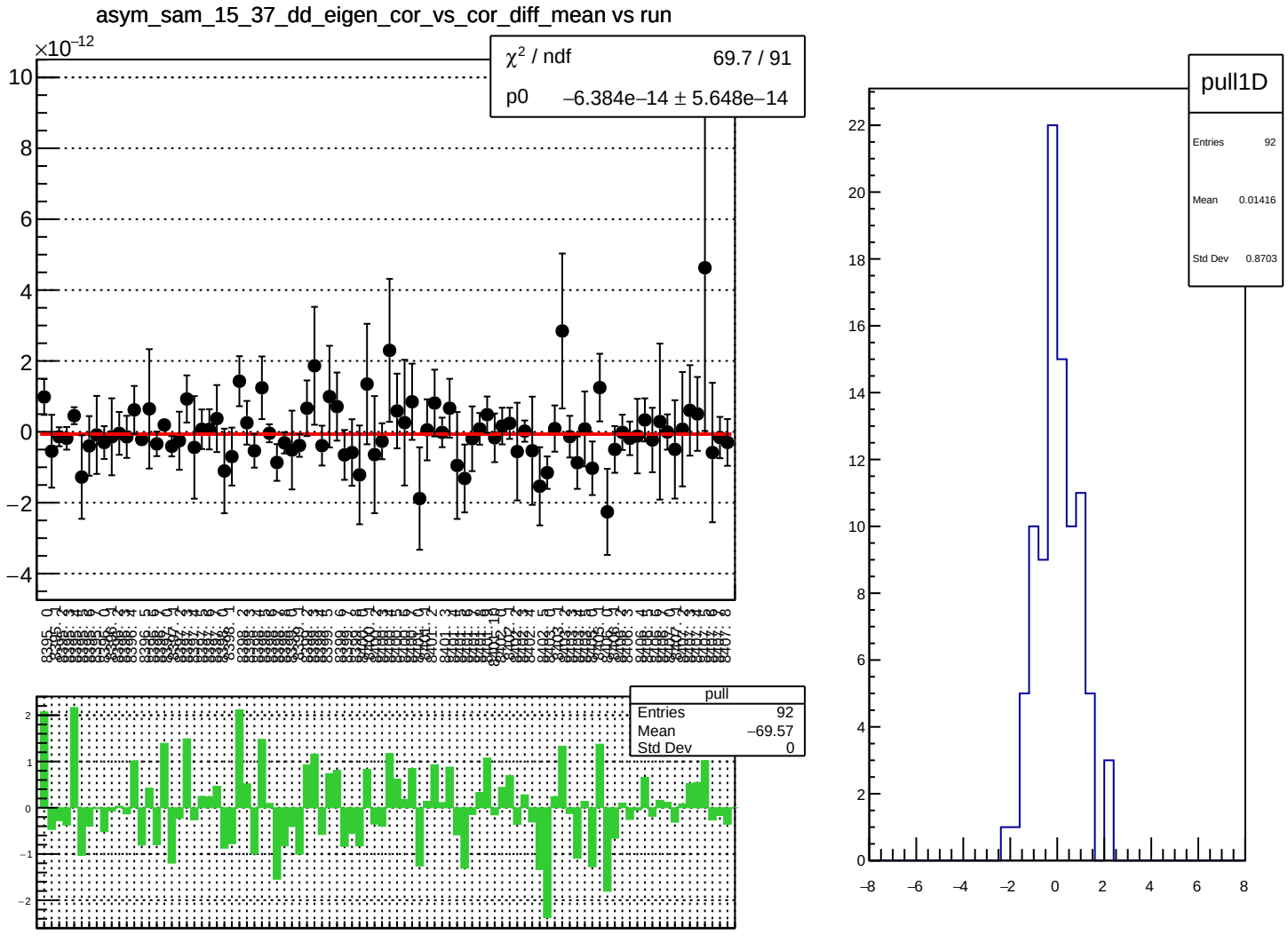

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.907e+04 / 91
p0 23.3 ± 0.01828
120
100
80
60
40
20

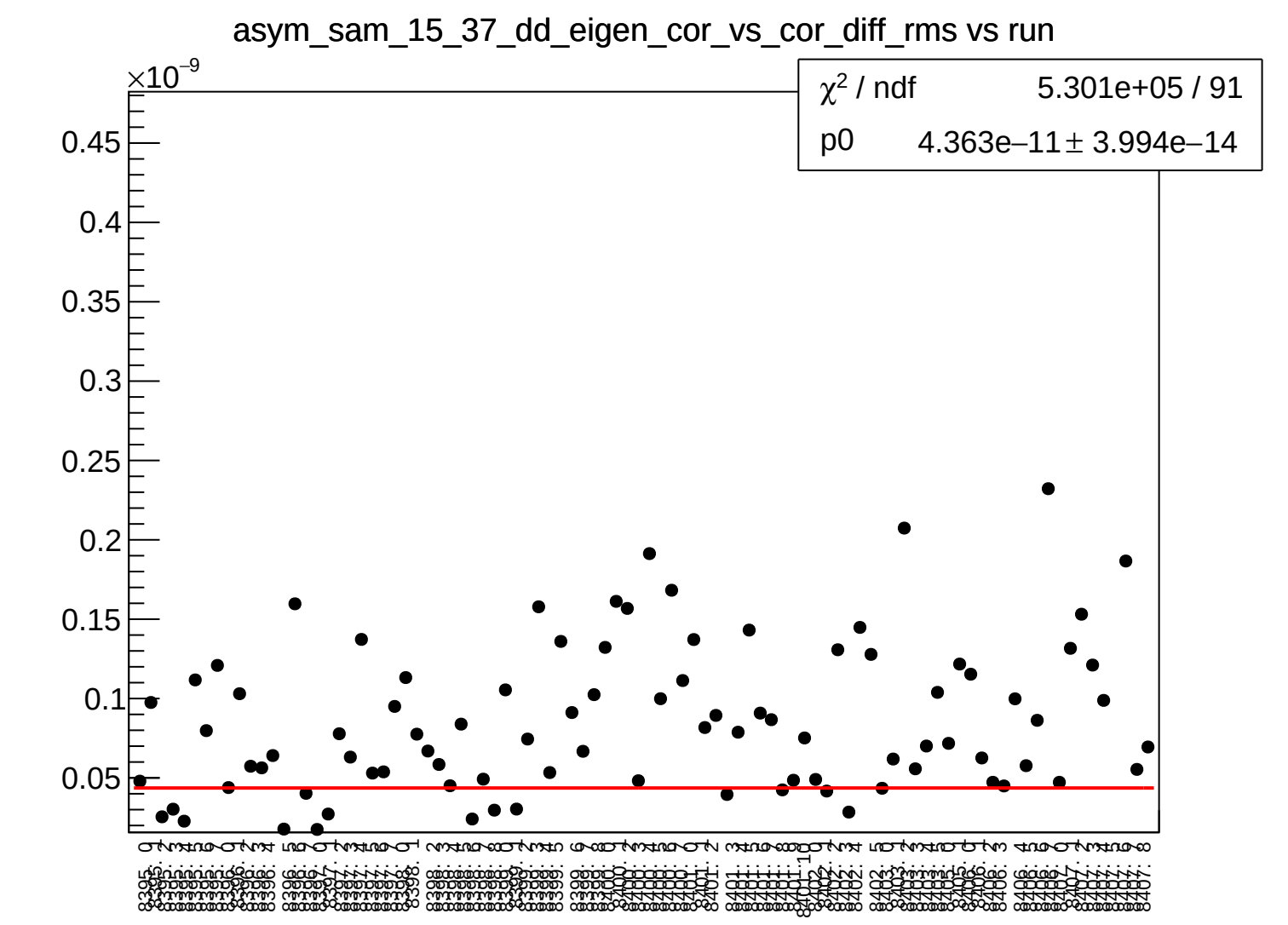
asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

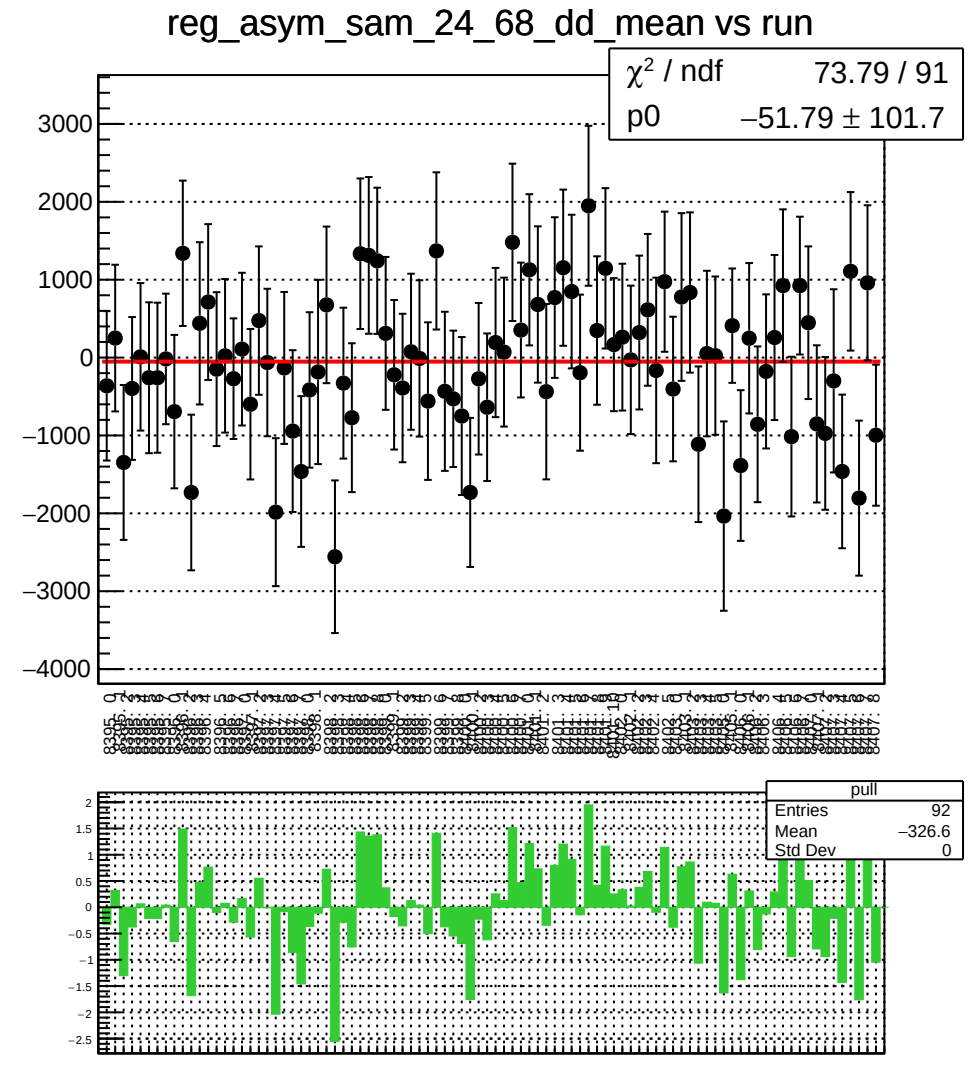


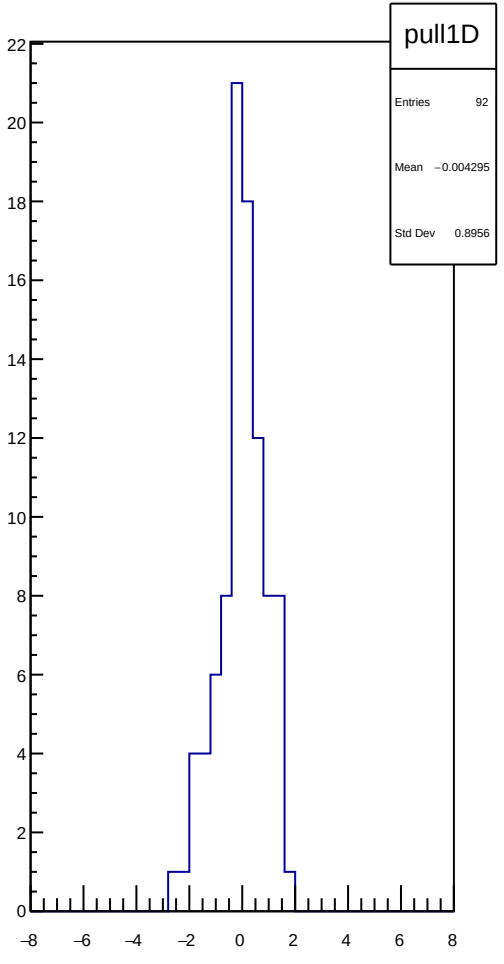



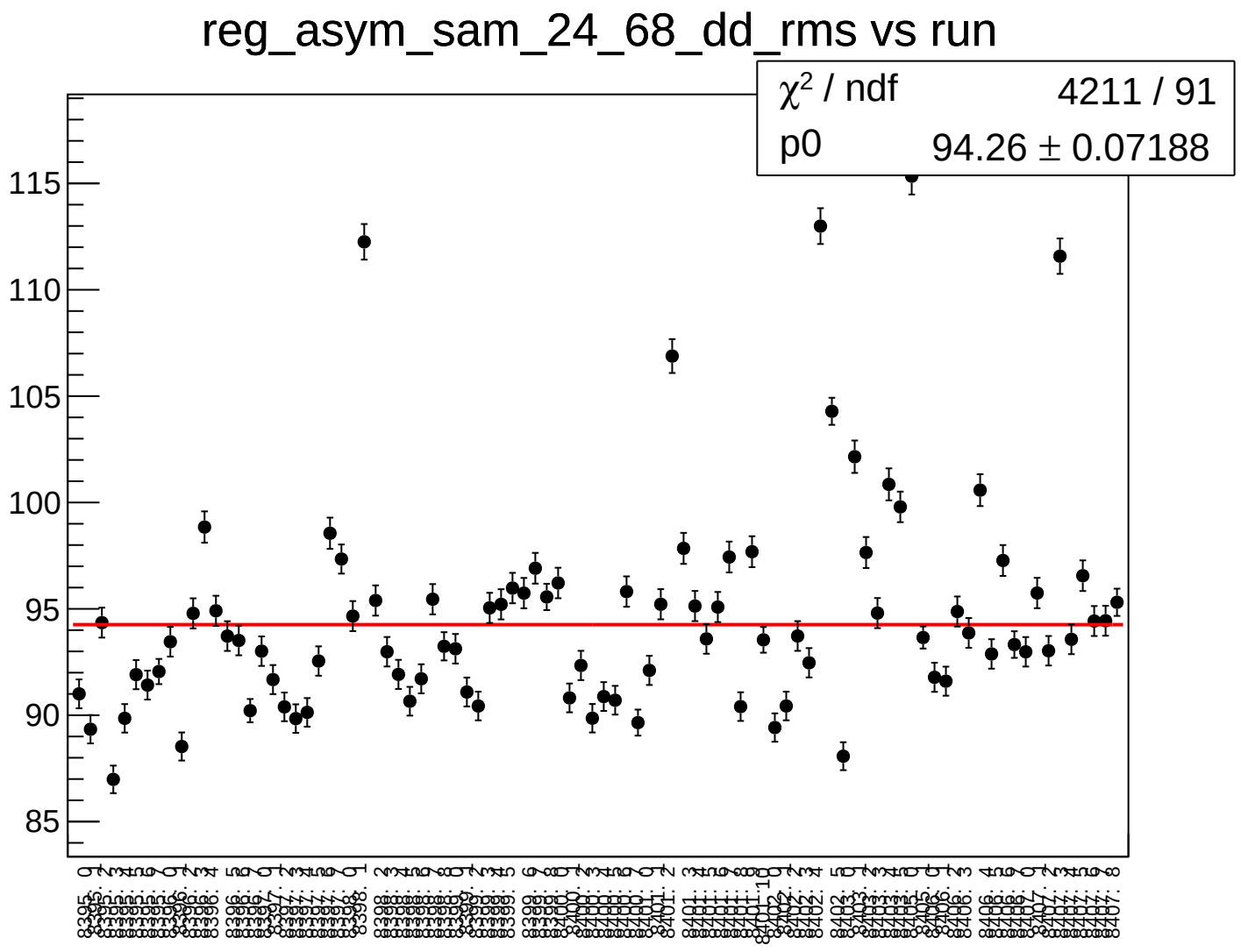

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.907e+04 / 91
p0 23.3 ± 0.01828
120
100
80
60
40
20

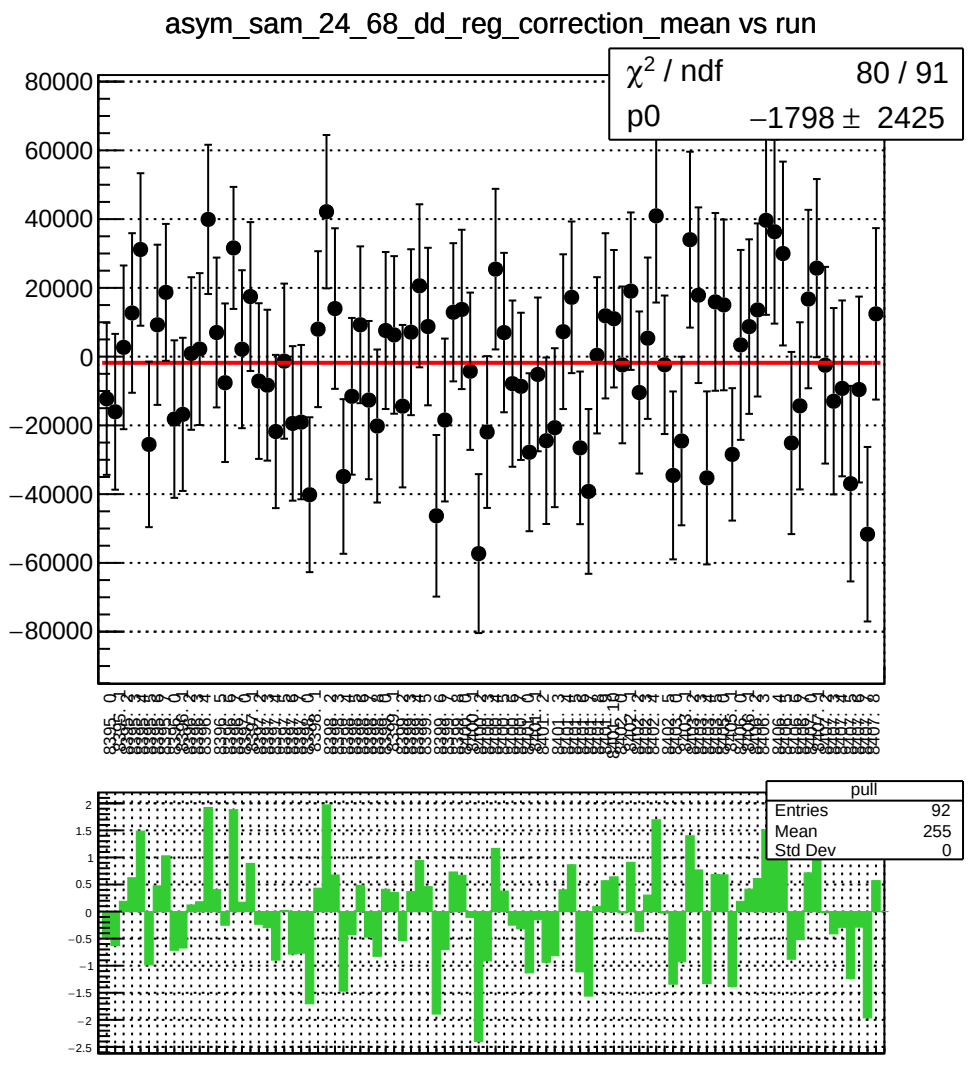

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.7 / 91
p0 −6.384e−14 ± 5.648e−14
pull
Entries 92
Mean −69.57
Std Dev 0
pull1D
Entries 92
Mean 0.01416
Std Dev 0.8703

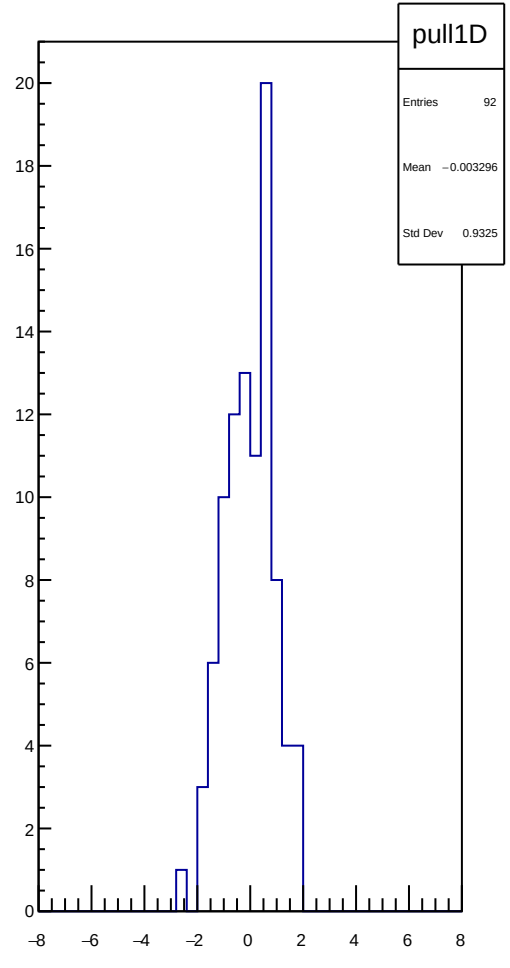

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.301e+05 / 91
p0 4.363e−11 ± 3.994e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

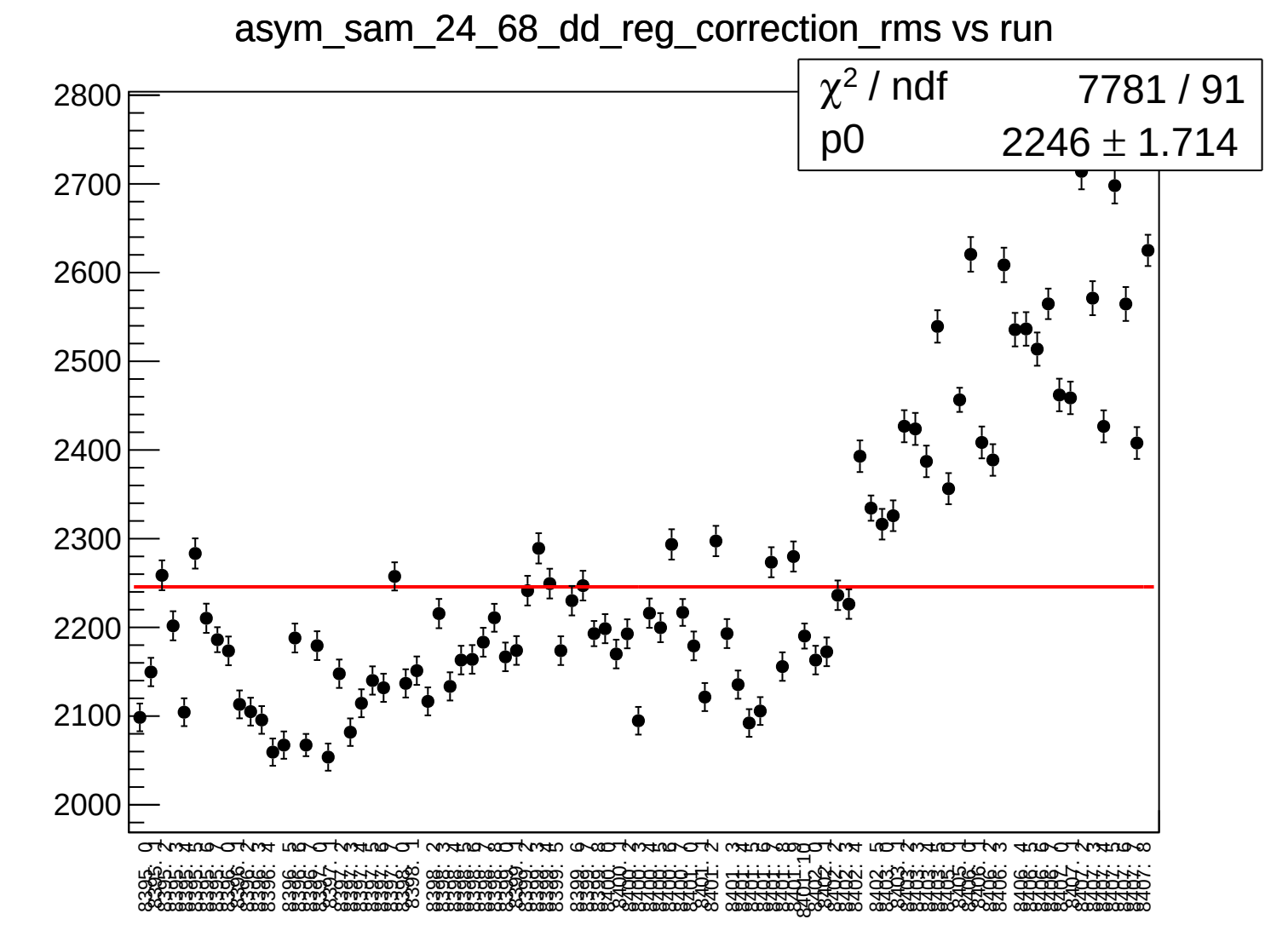

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 73.79 / 91
p0 −51.79 ± 101.7
pull
Entries 92
Mean −326.6
Std Dev 0

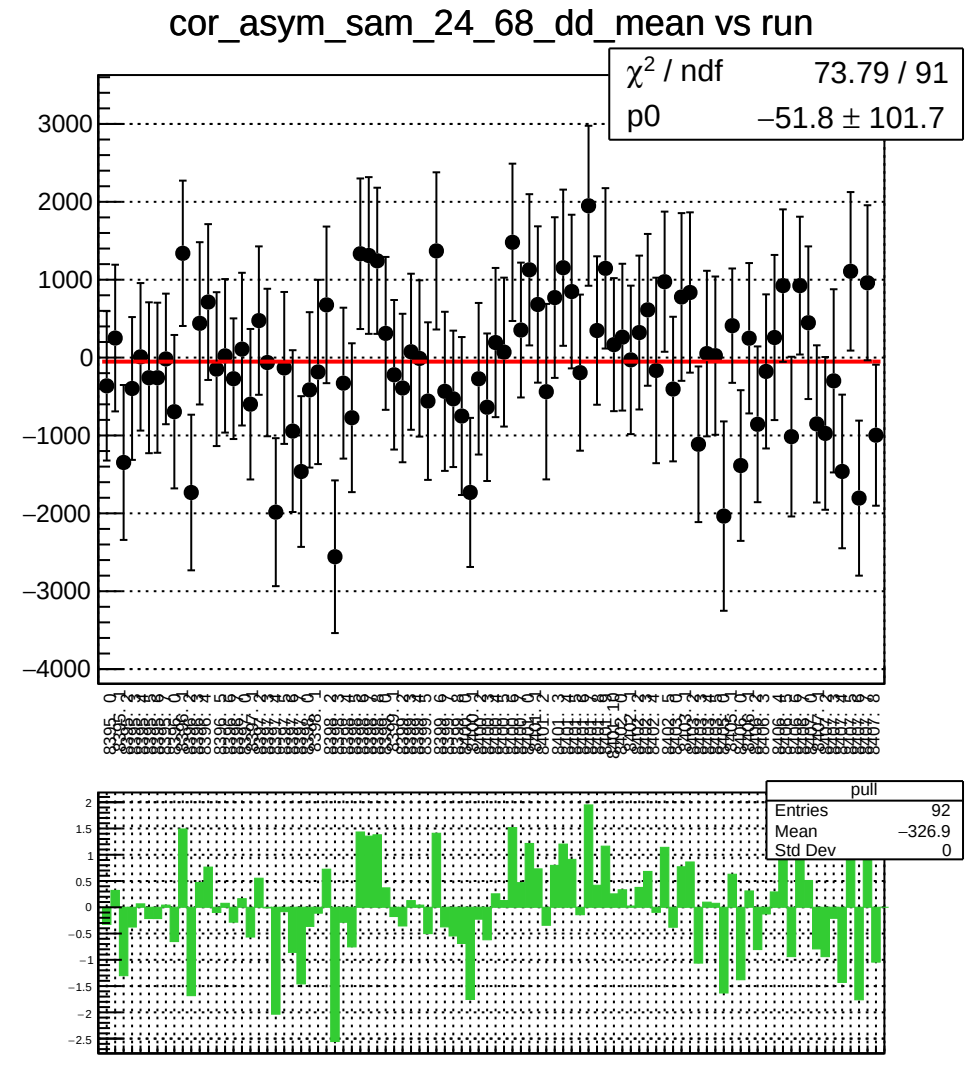

pull1D
Entries 92
Mean −0.004295
Std Dev 0.8956

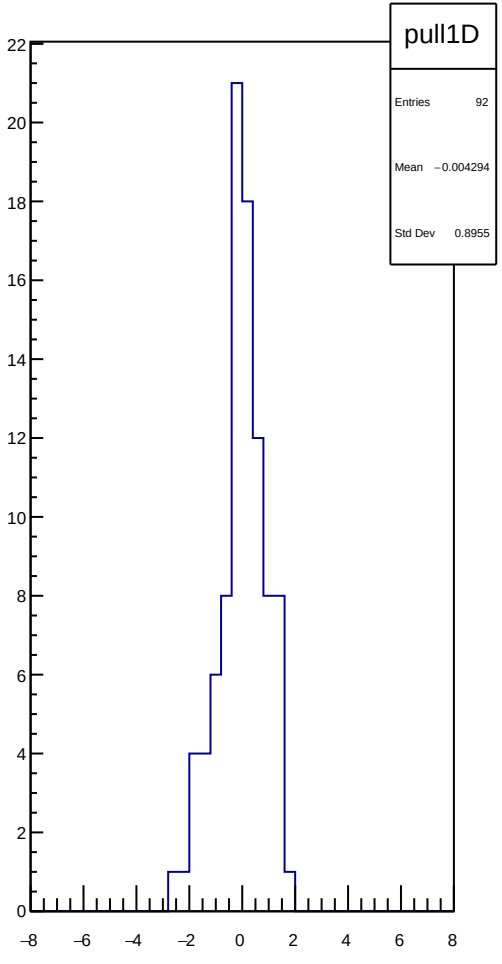

reg_asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 4211 / 91
p0 94.26 ± 0.07188
115
110
105
100
95
90
85

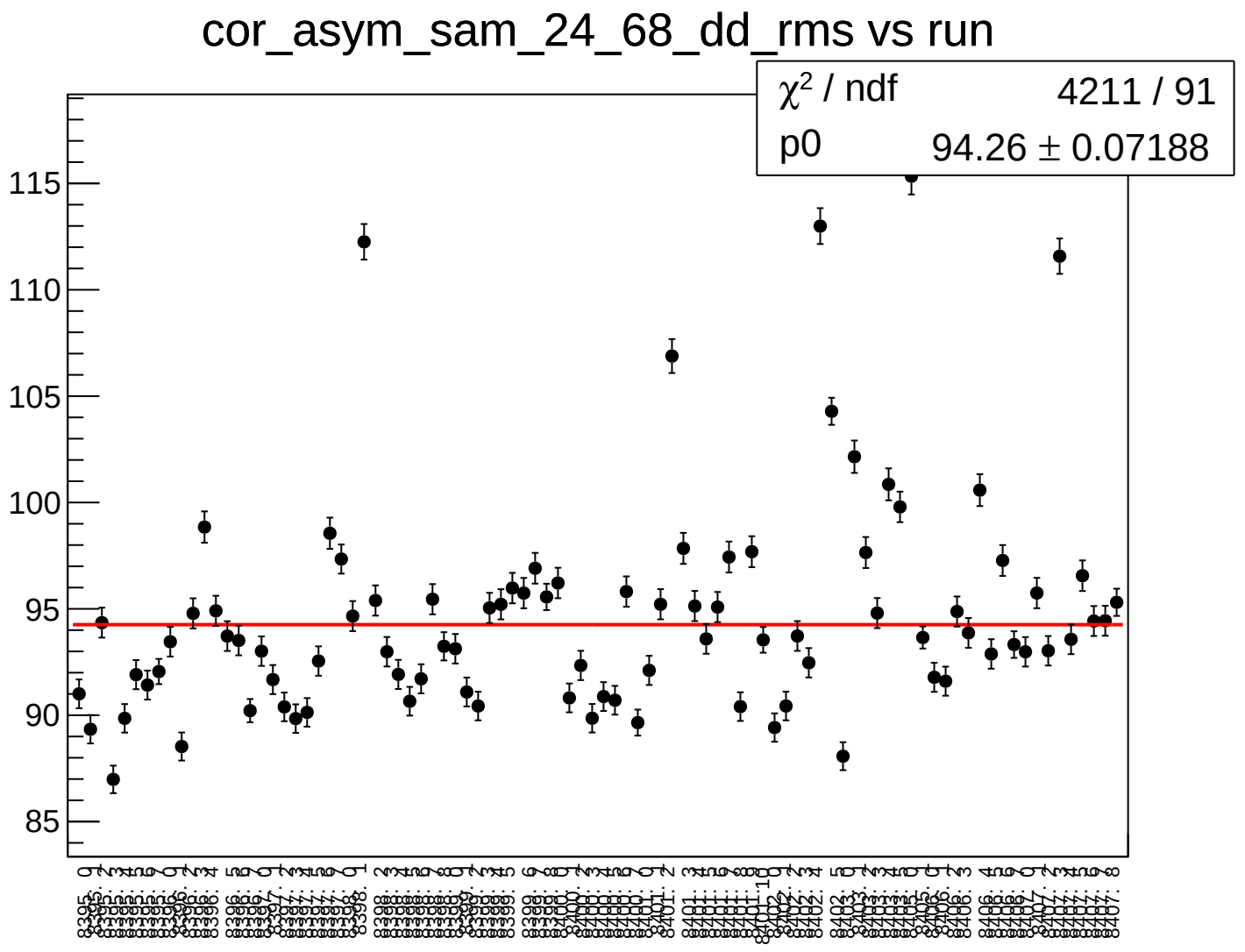

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 80 / 91
p0 −1798 ± 2425
pull
Entries 92
Mean 255
Std Dev 0

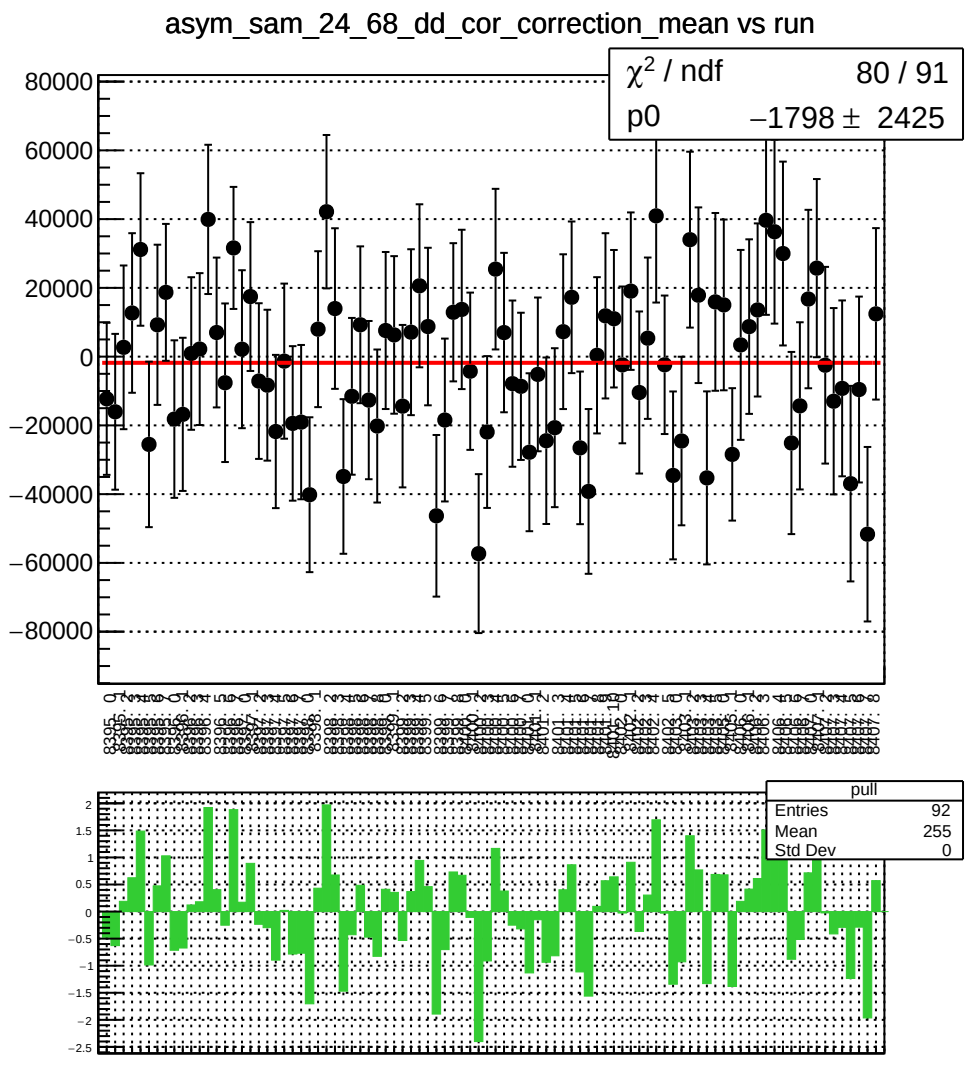

pull1D
Entries 92
Mean −0.003296
Std Dev 0.9325

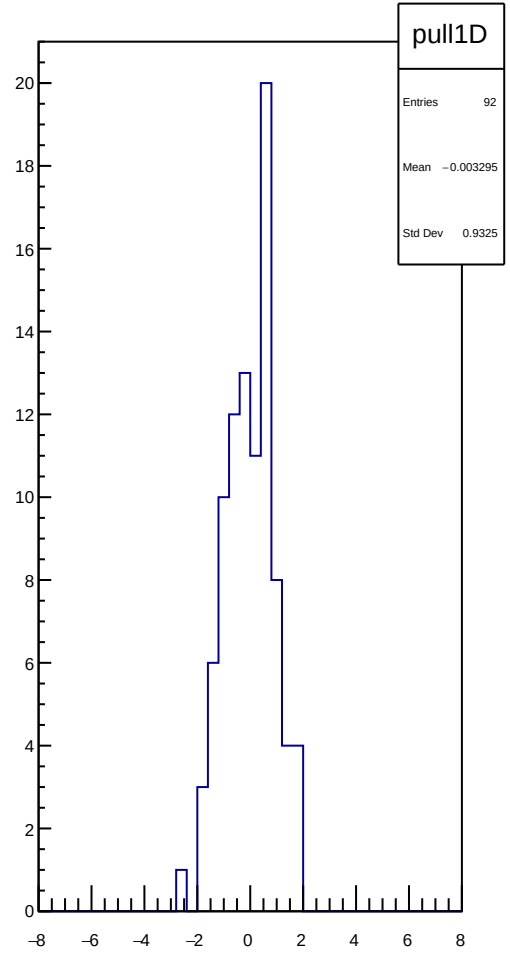

asym_sam_24_68_dd_reg_correction_rms vs run
$\chi^2$ / ndf 7781 / 91
p0 2246 ± 1.714
2800
2700
2600
2500
2400
2300
2200
2100
2000

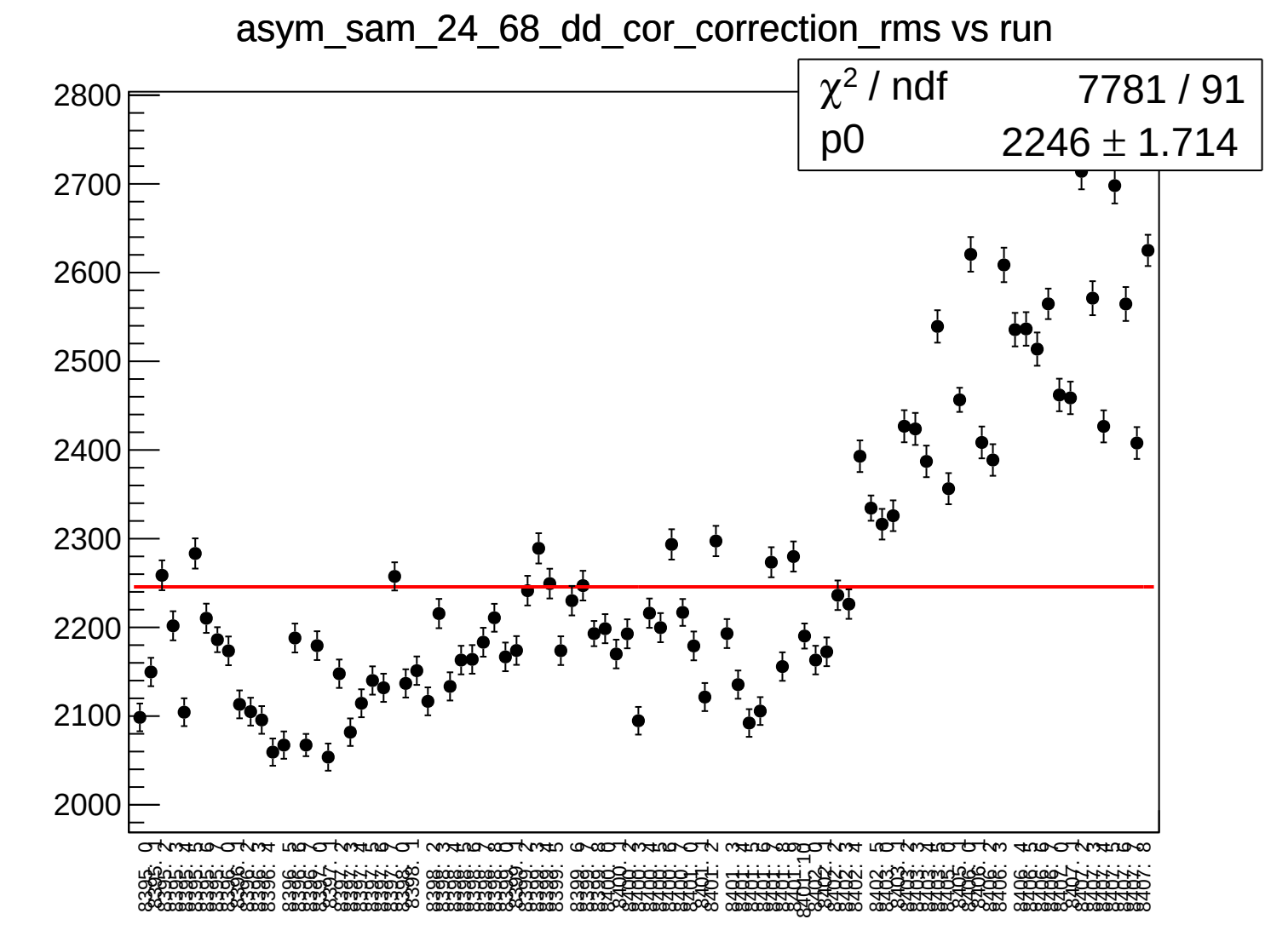

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 73.79 / 91
p0 −51.8 ± 101.7
pull
Entries 92
Mean −326.9
Std Dev 0

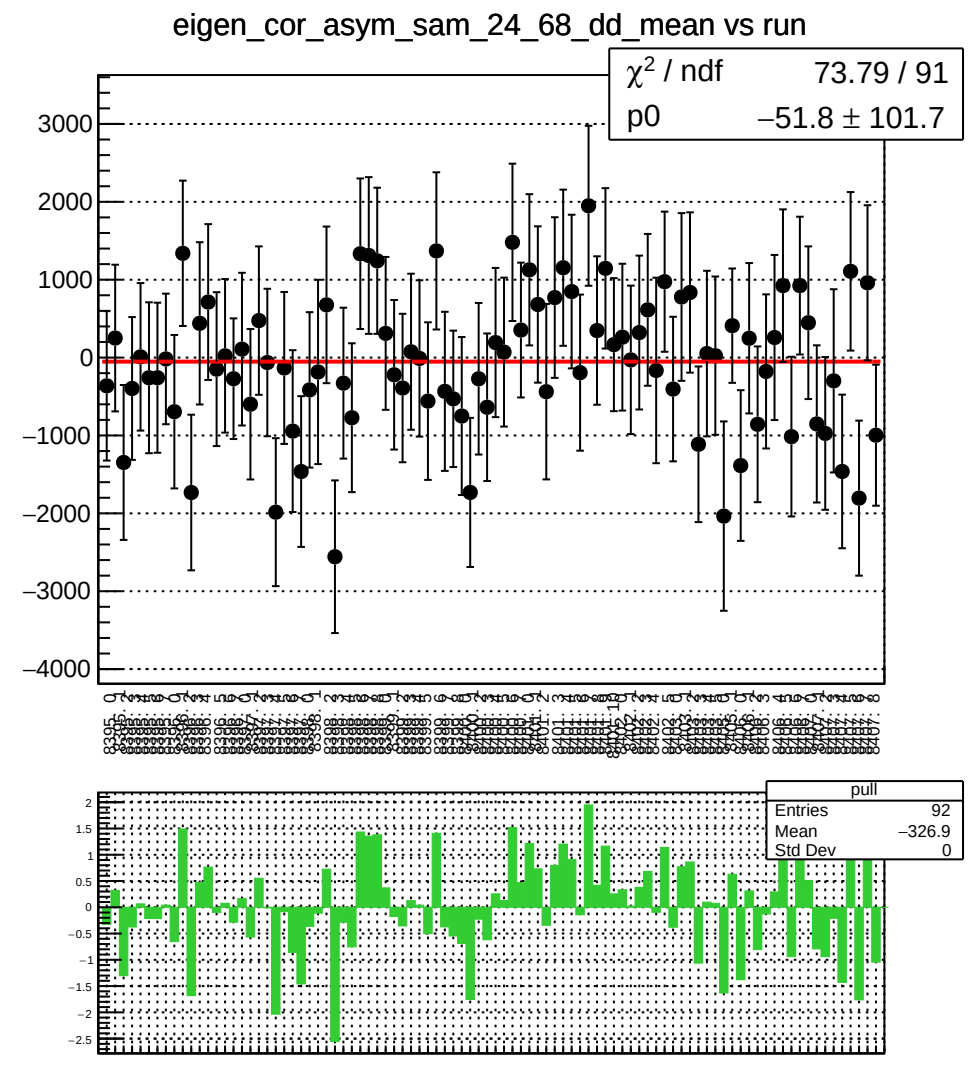

pull1D
Entries 92
Mean −0.004294
Std Dev 0.8955

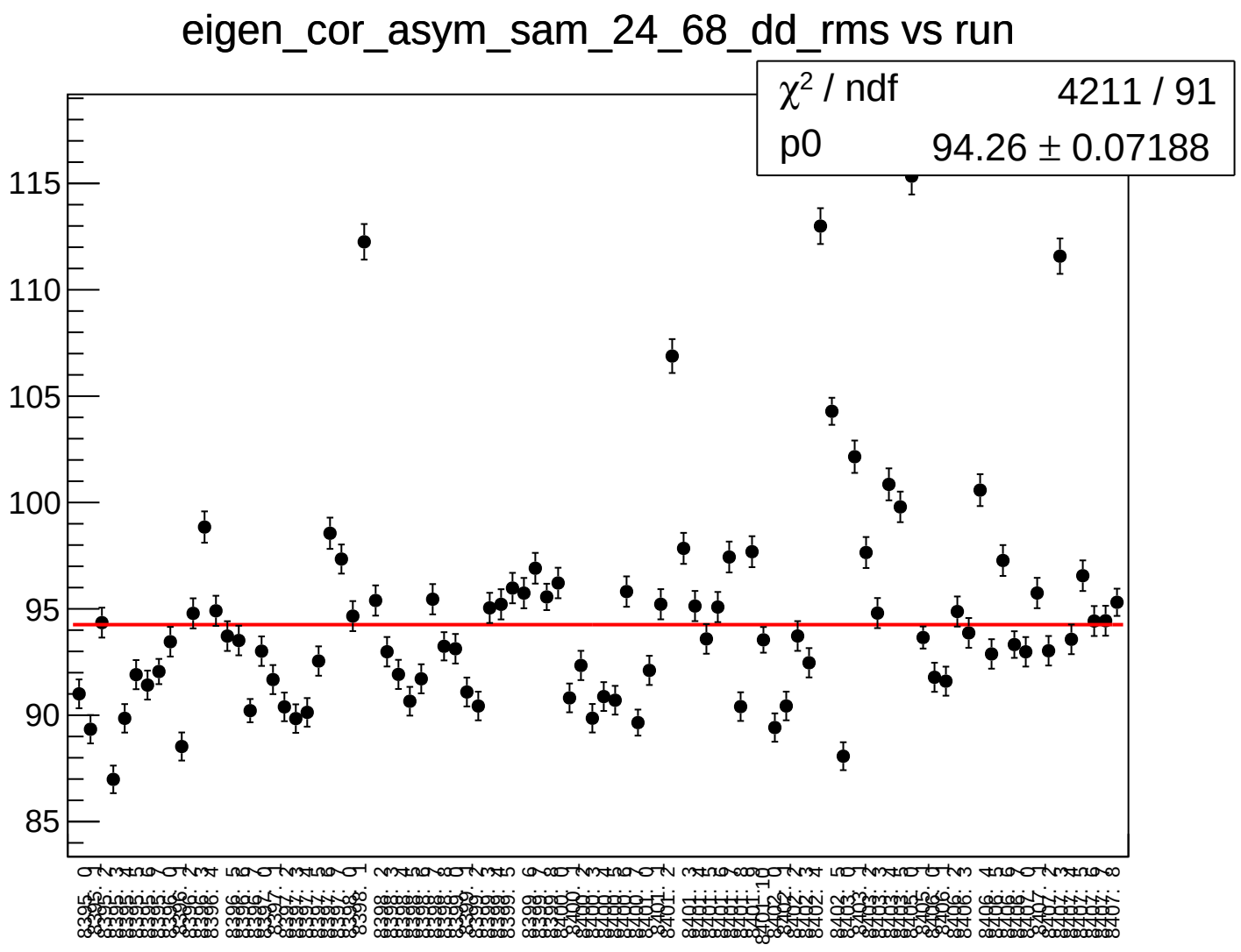

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 4211 / 91
p0 94.26 ± 0.07188
115
110
105
100
95
90
85

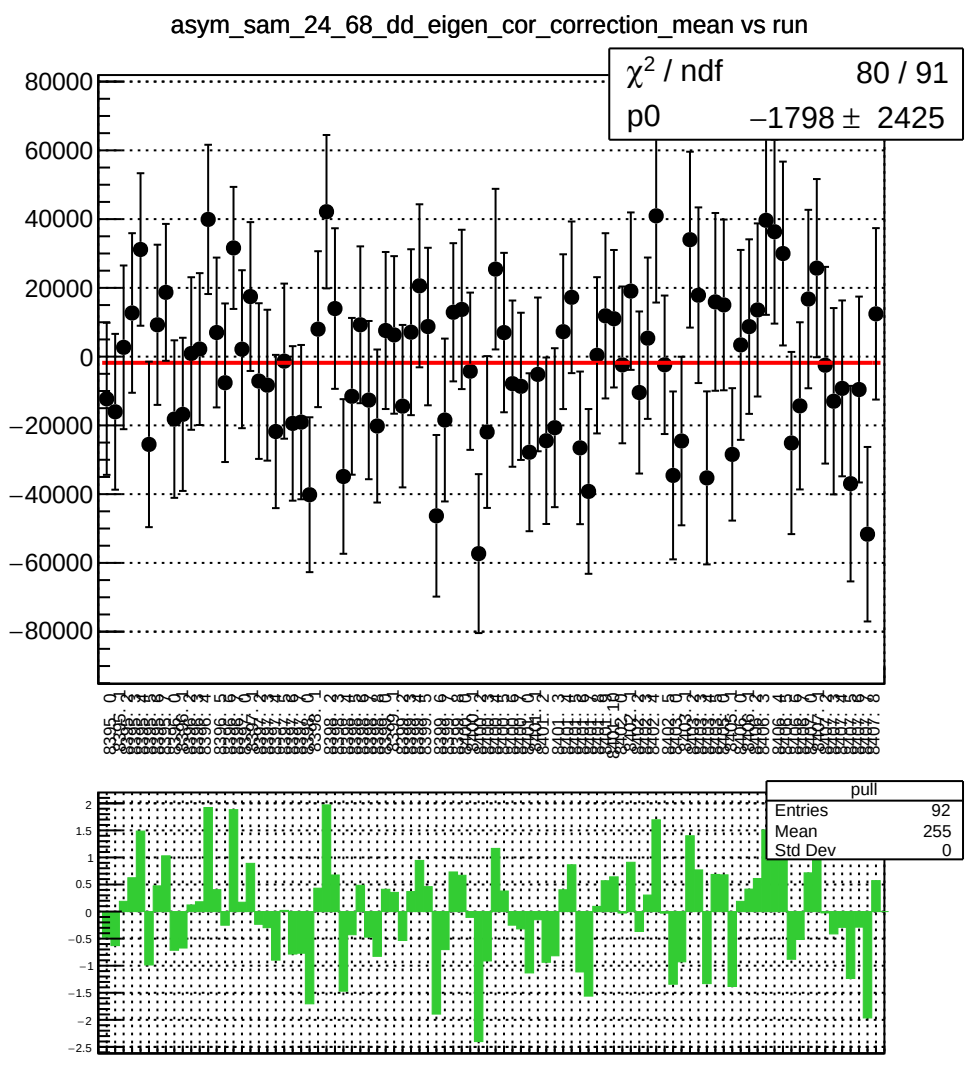

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 80 / 91
p0 −1798 ± 2425
pull
Entries 92
Mean 255
Std Dev 0

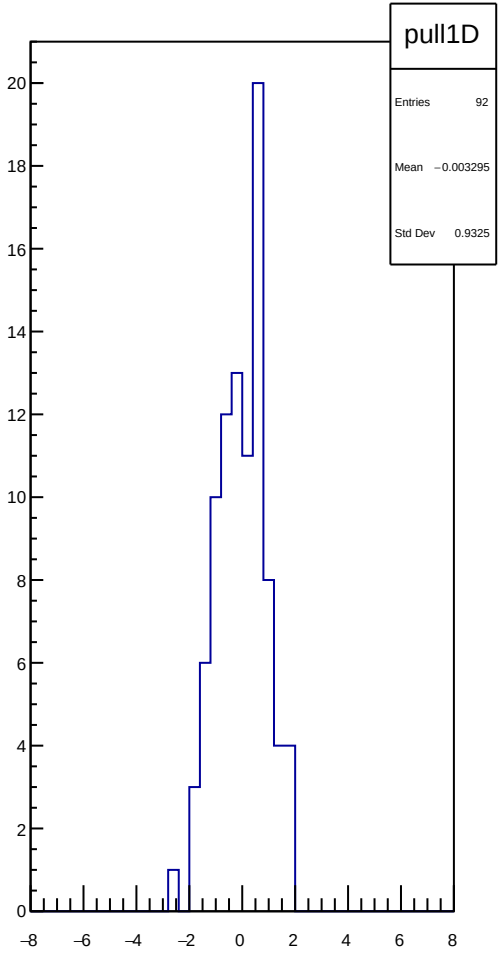

pull1D
Entries 92
Mean −0.003295
Std Dev 0.9325

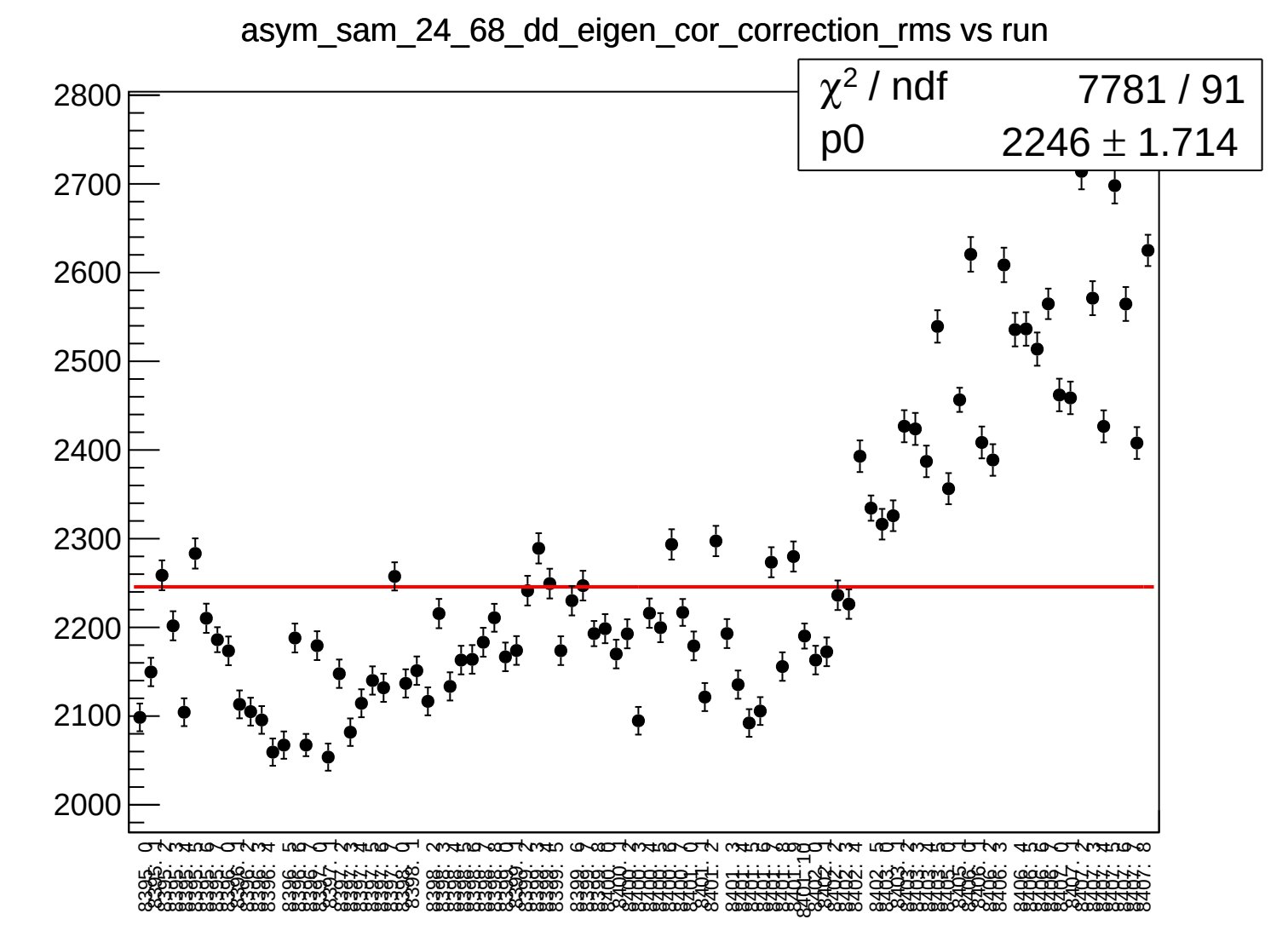

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 7781 / 91
p0 2246 ± 1.714
2800
2700
2600
2500
2400
2300
2200
2100
2000

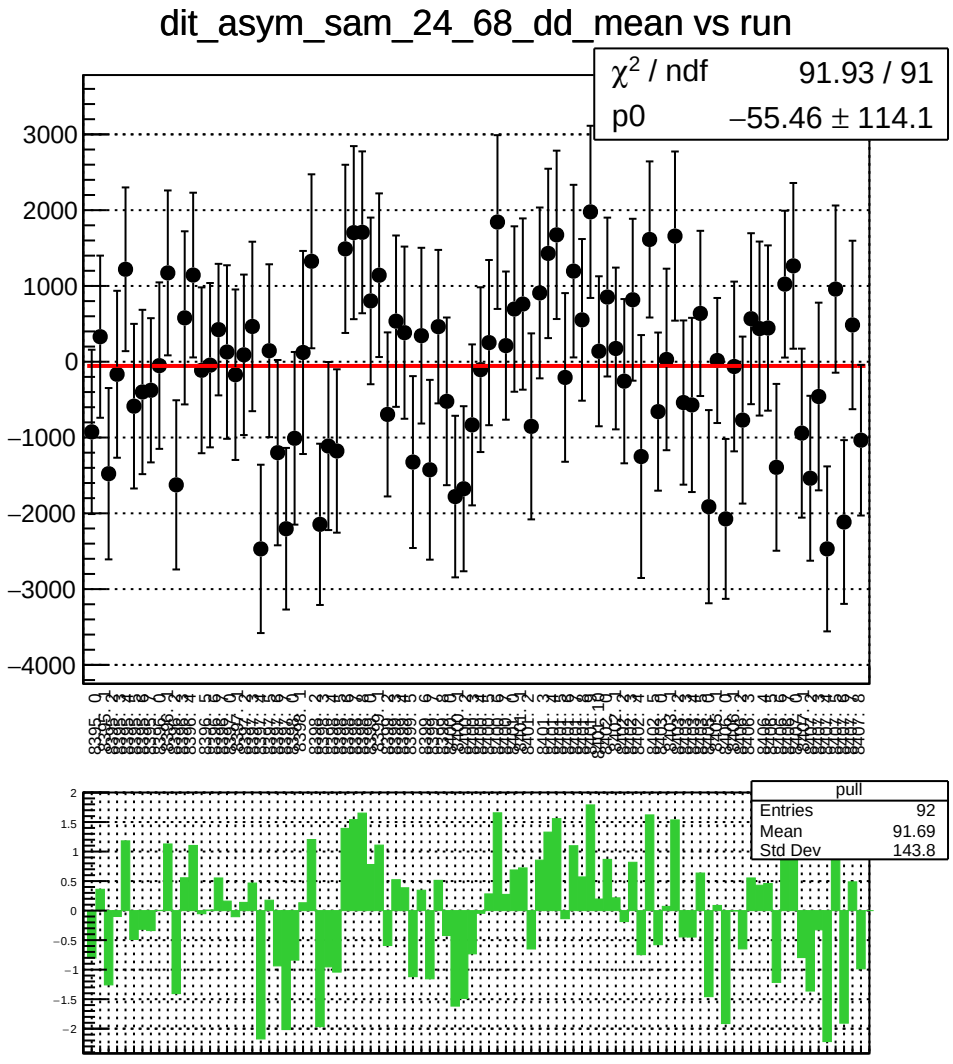

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 73.79 / 91
p0 −51.8 ± 101.7
pull
Entries 92
Mean −326.9
Std Dev 0
pull1D
Entries 92
Mean −0.004294
Std Dev 0.8955

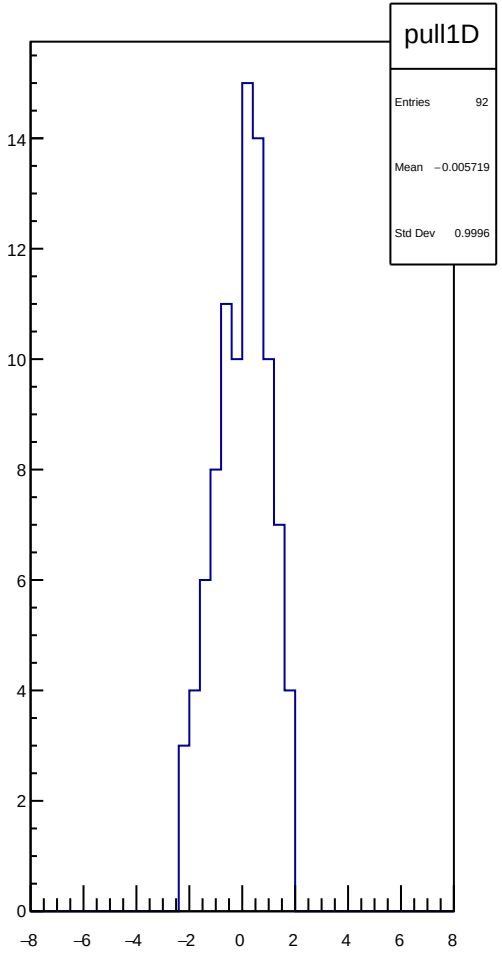

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 4211 / 91
p0 94.26 ± 0.07188
115
110
105
100
95
90
85

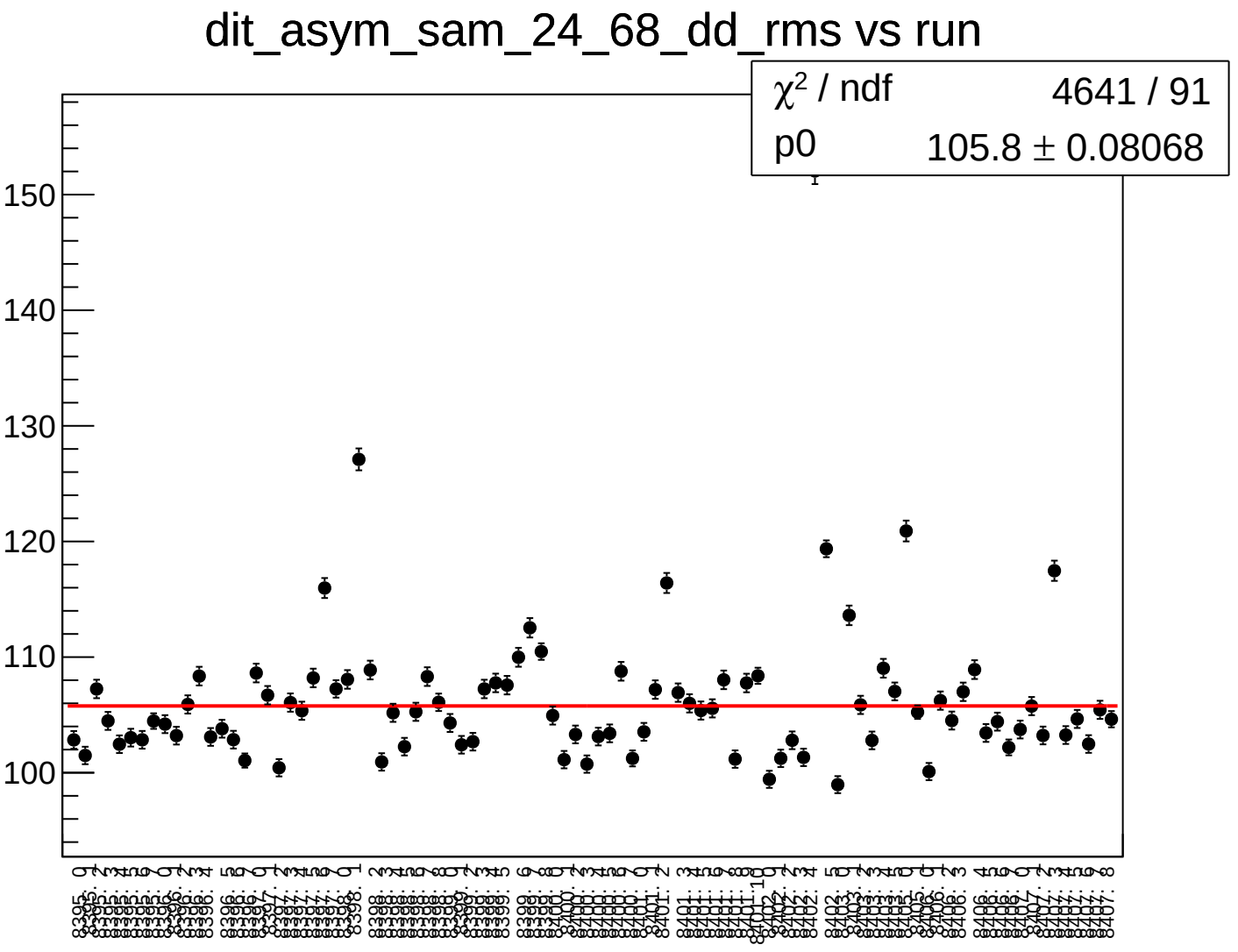

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 80 / 91
p0 −1798 ± 2425
pull
Entries 92
Mean 255
Std Dev 0

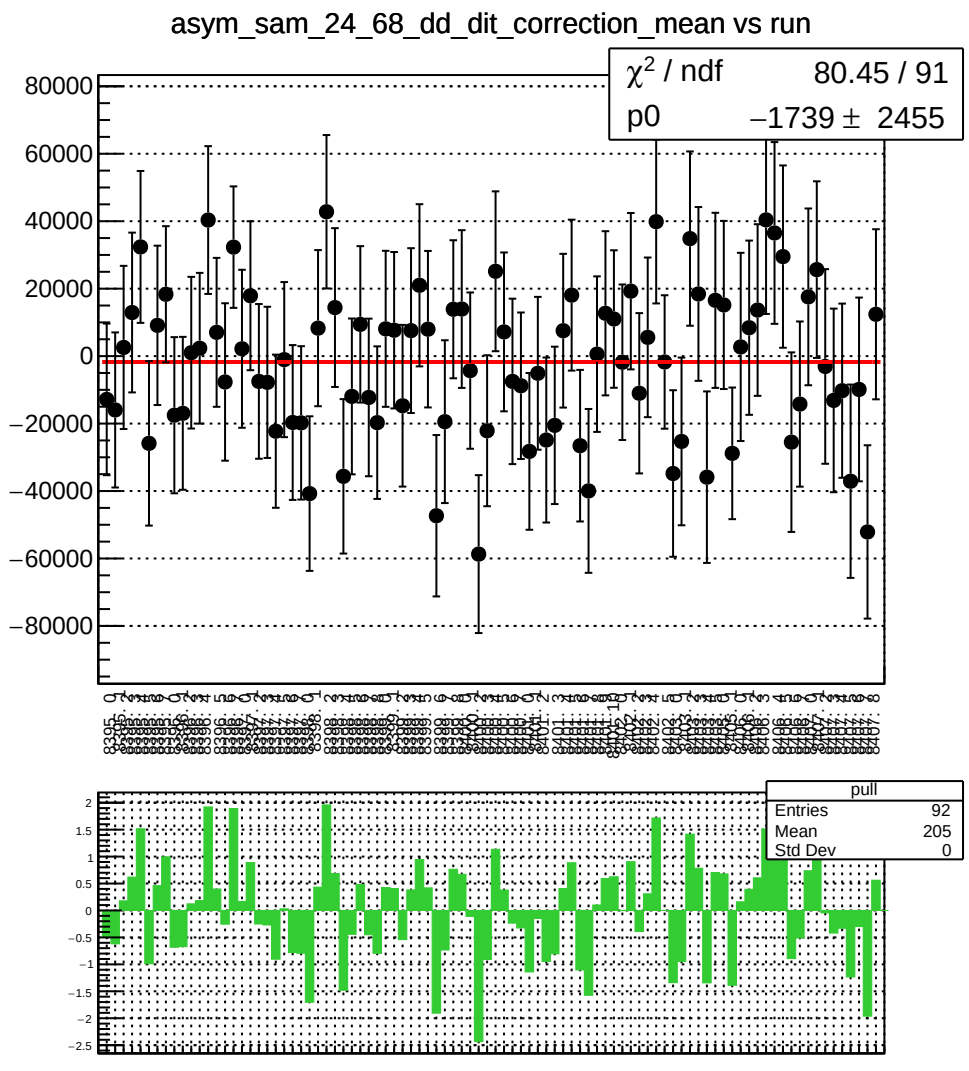

pull1D
Entries 92
Mean −0.003295
Std Dev 0.9325

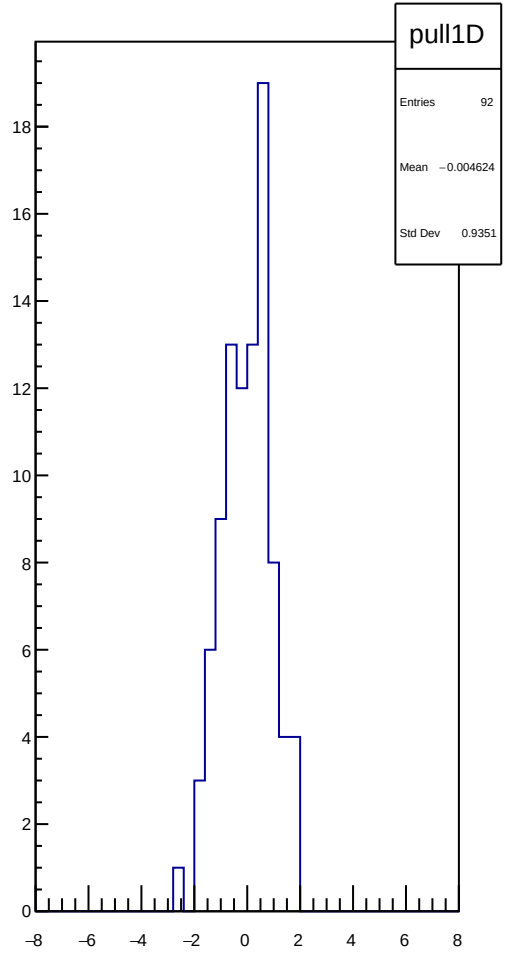

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 7781 / 91
p0 2246 ± 1.714
2800
2700
2600
2500
2400
2300
2200
2100
2000

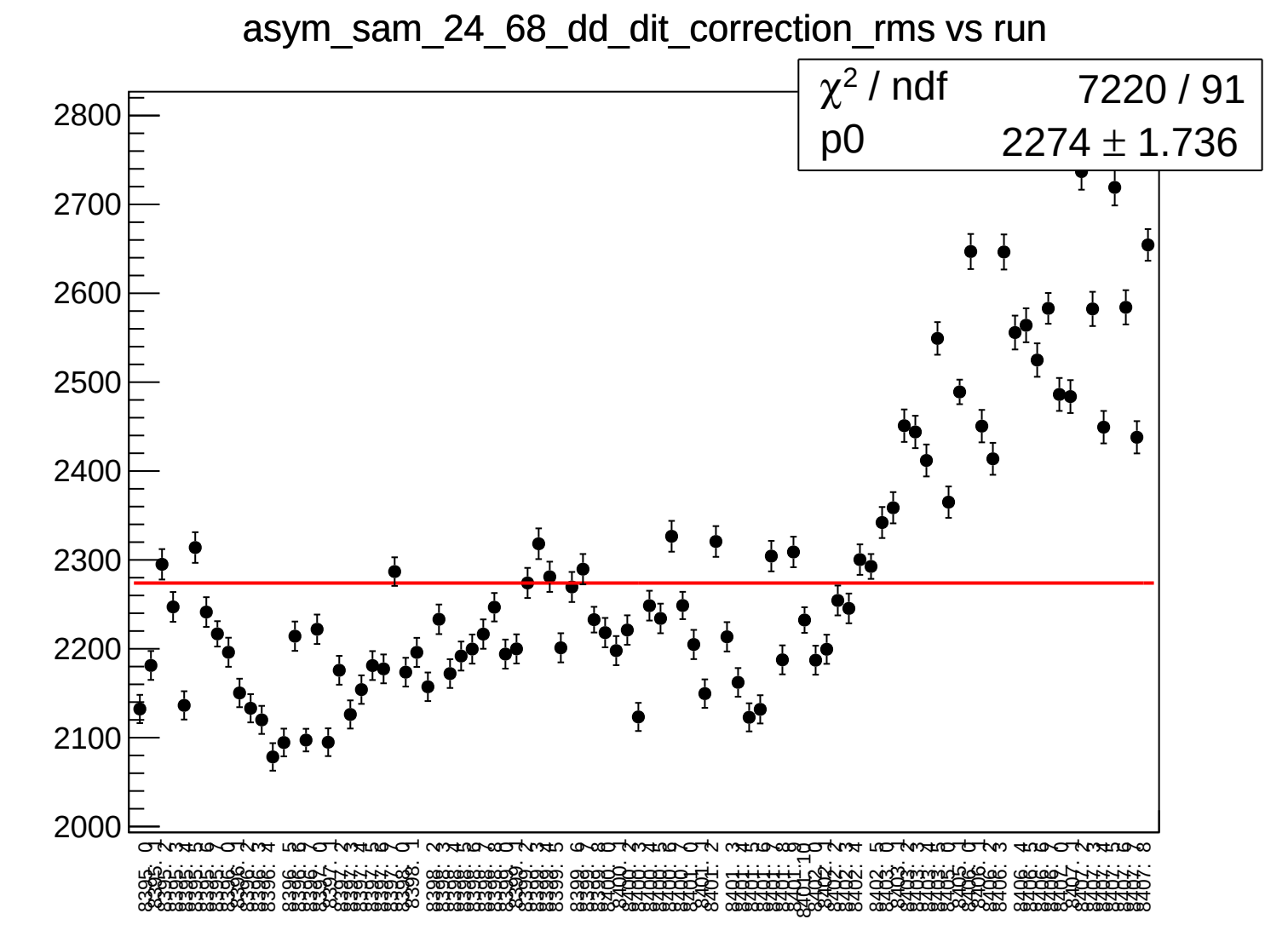

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 91.93 / 91
p0 −55.46 ± 114.1
pull
Entries 92
Mean 91.69
Std Dev 143.8

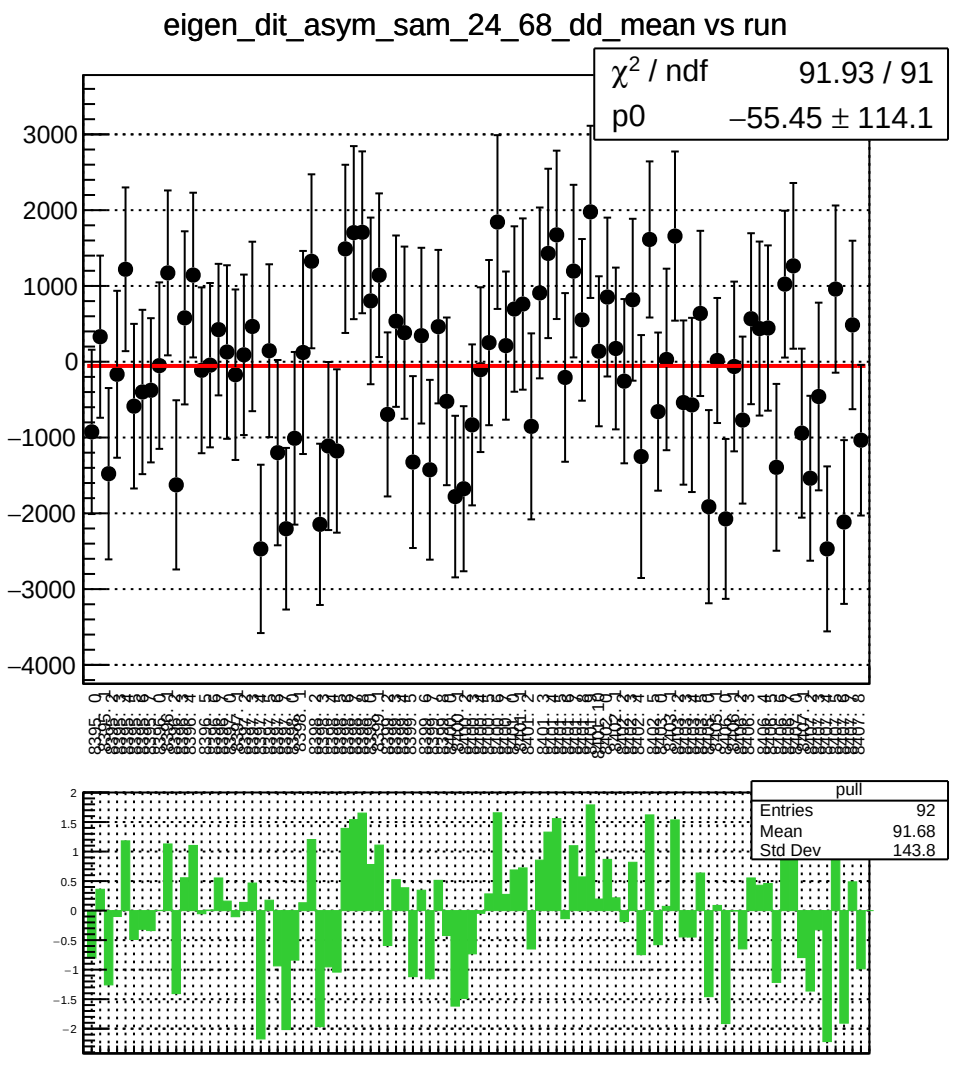

pull1D
Entries 92
Mean −0.005719
Std Dev 0.9996

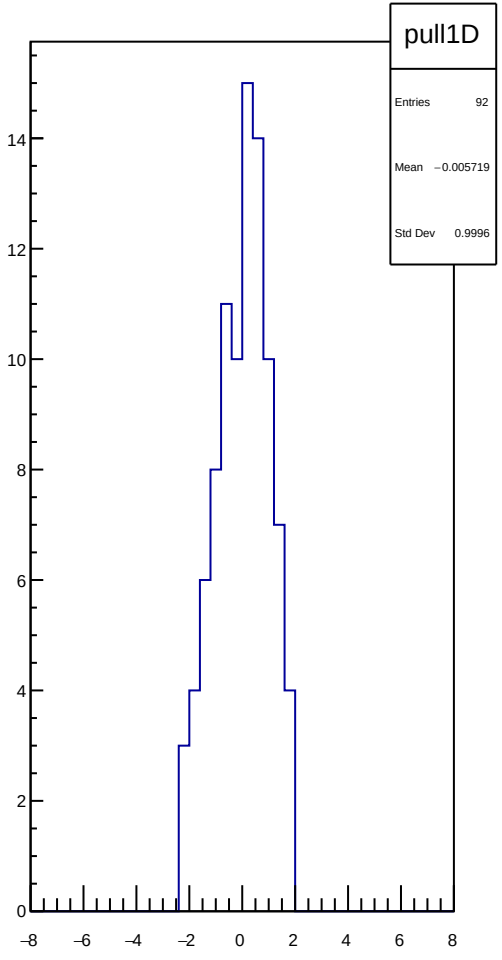

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4641 / 91
p0 105.8 ± 0.08068
150
140
130
120
110
100

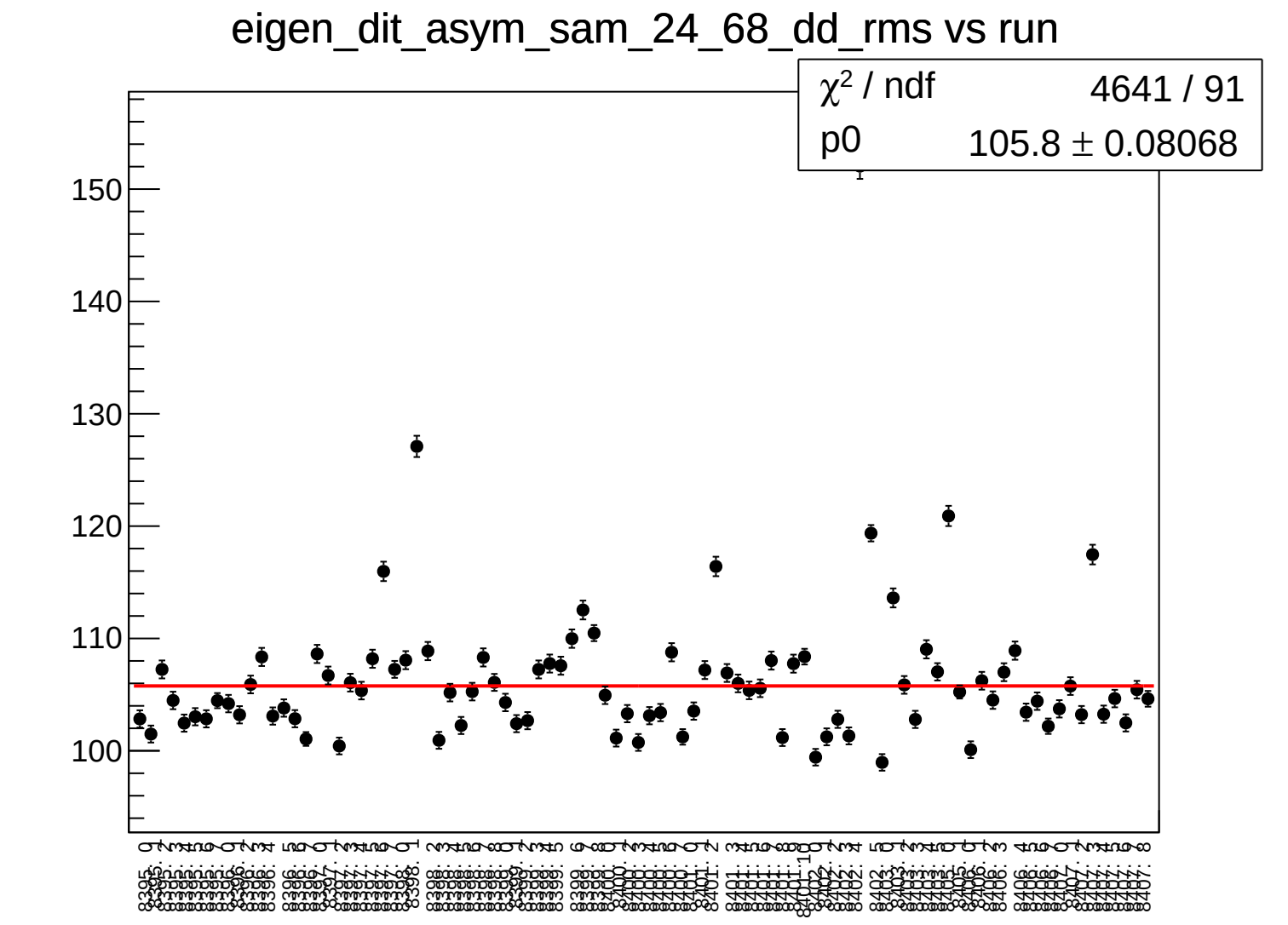

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 80.45 / 91
p0 −1739 ± 2455
pull
Entries 92
Mean 205
Std Dev 0

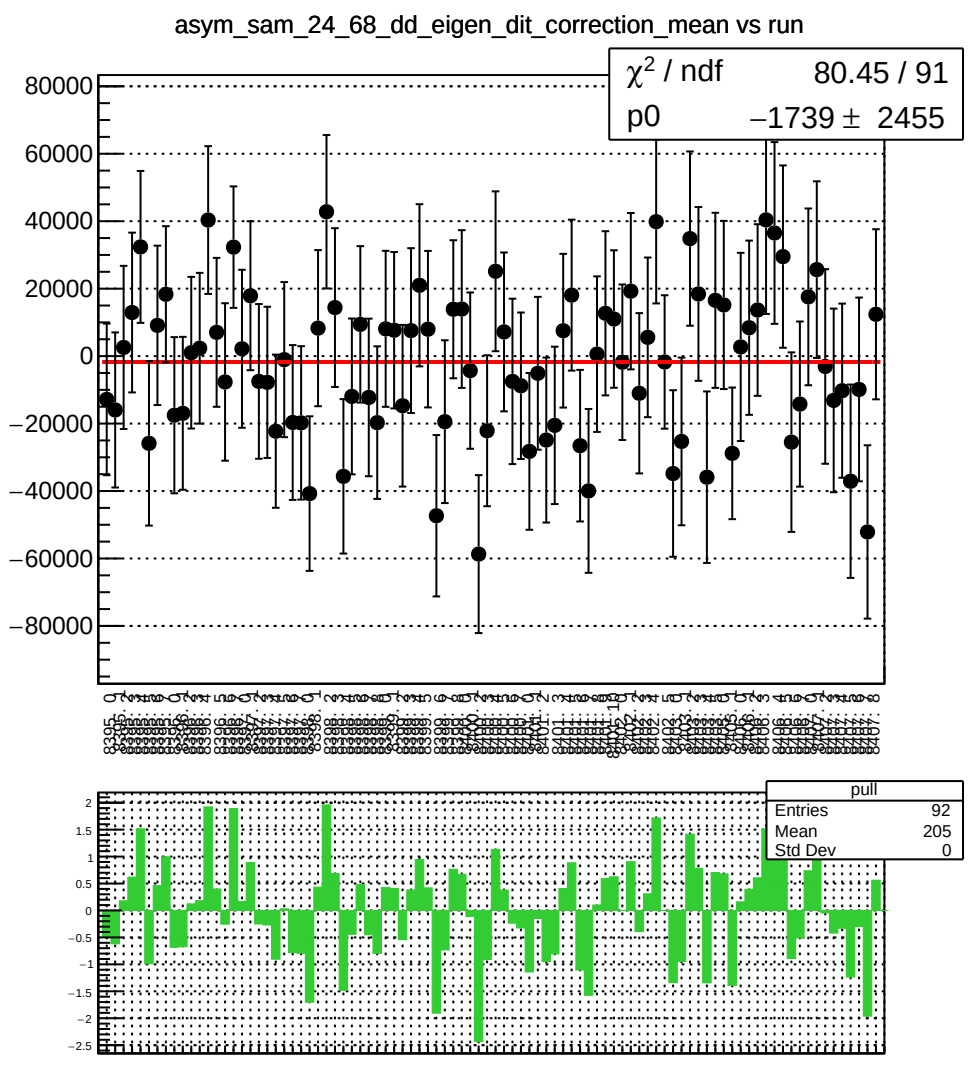

pull1D
Entries 92
Mean −0.004624
Std Dev 0.9351

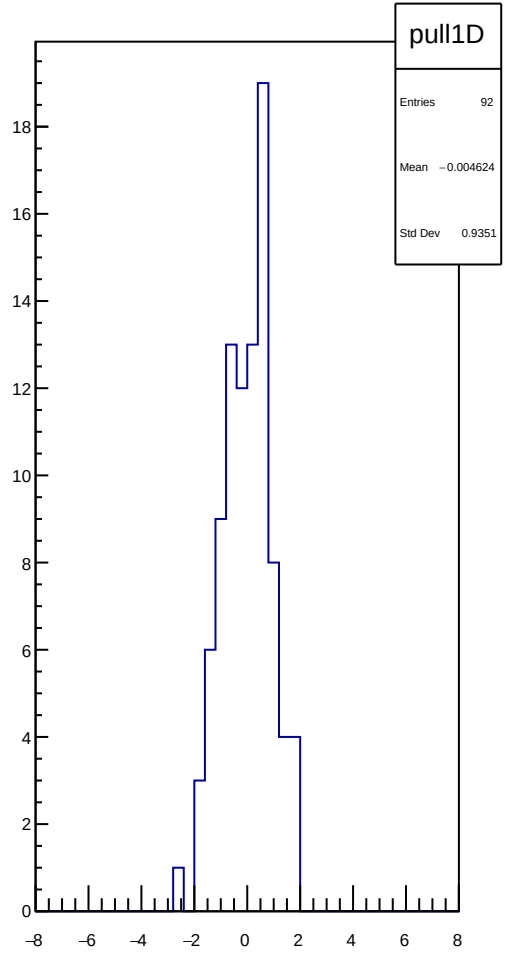

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 7220 / 91
p0 2274 ± 1.736
2800
2700
2600
2500
2400
2300
2200
2100
2000

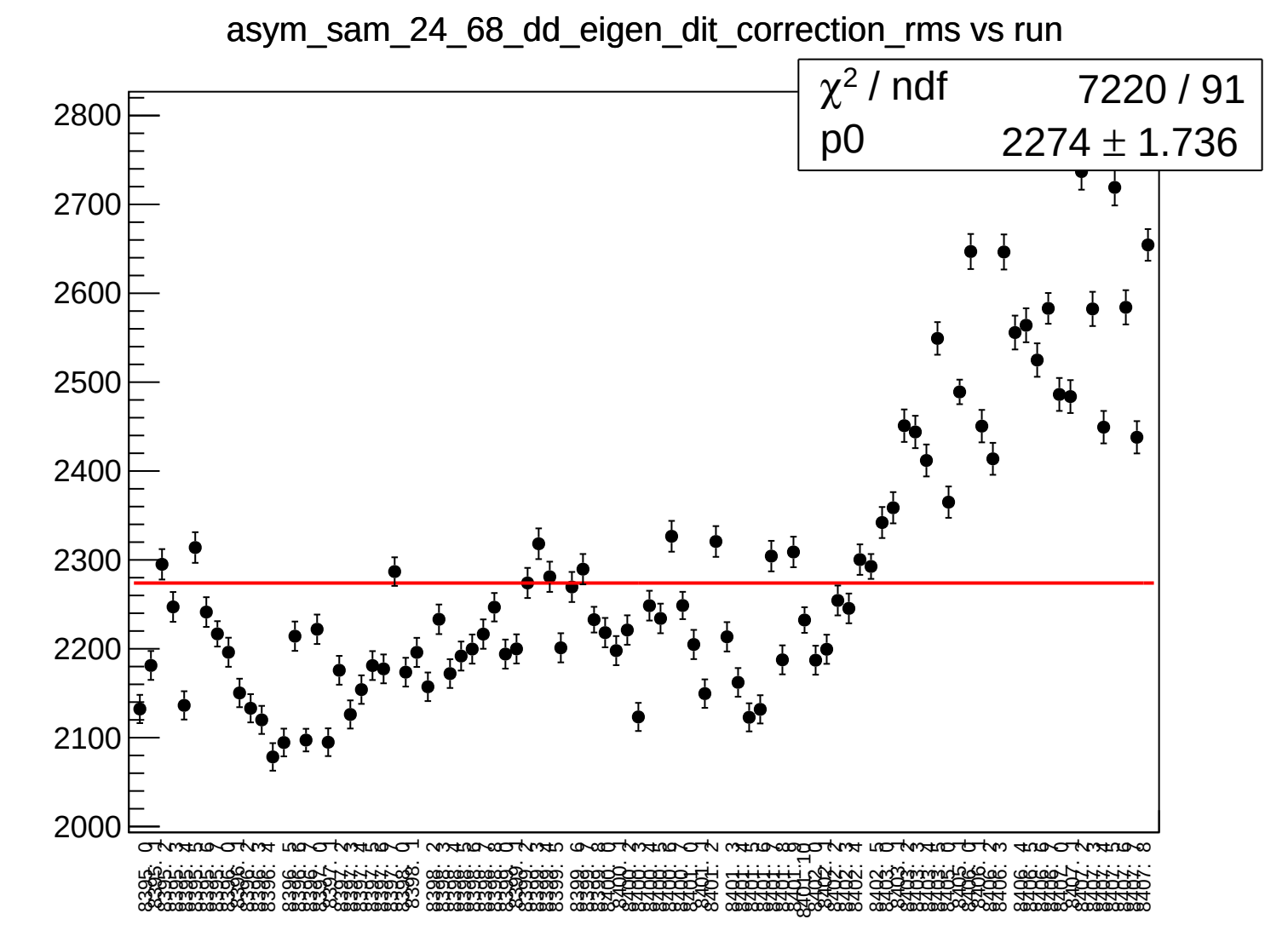

eigen_dit_asym_sam_24_68_dd_mean vs run
$\chi^2$ / ndf 91.93 / 91
p0 −55.45 ± 114.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean 91.68
Std Dev 143.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

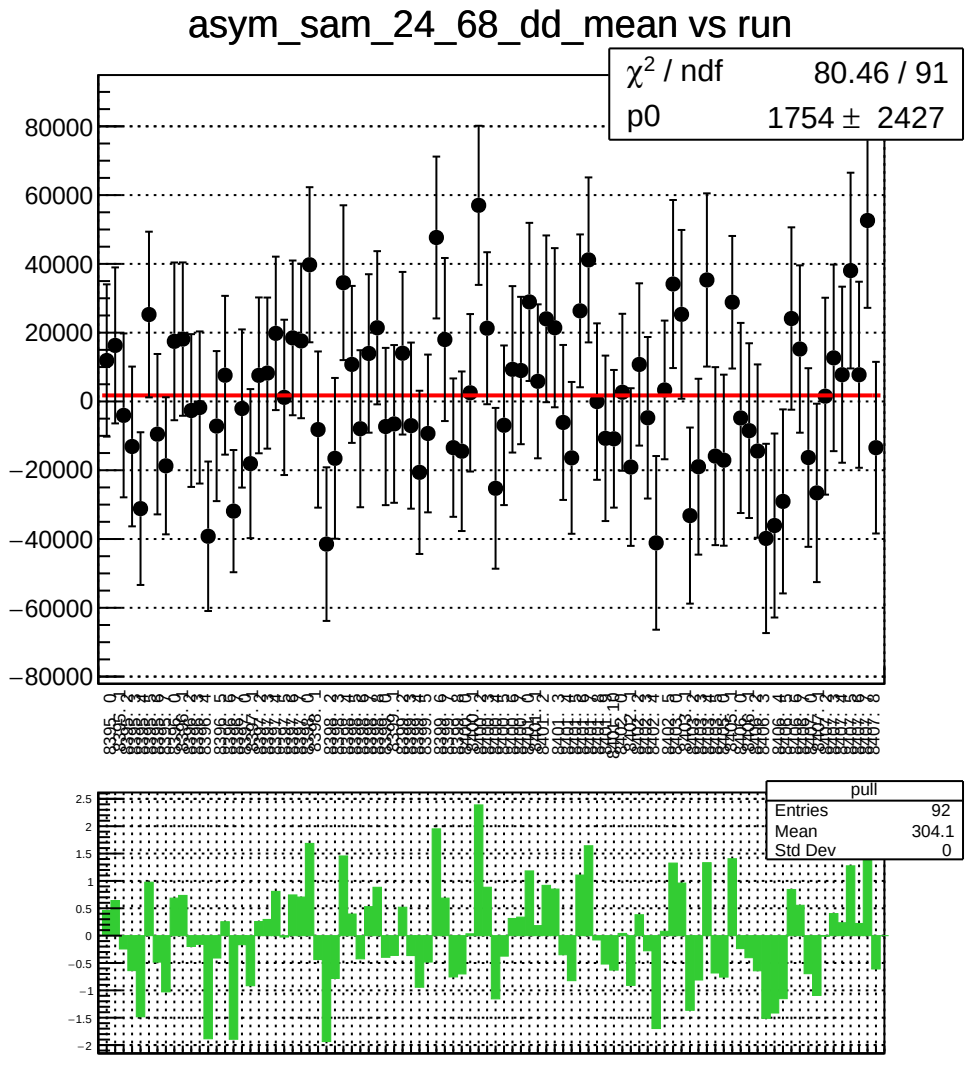

pull1D
Entries 92
Mean −0.005719
Std Dev 0.9996
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

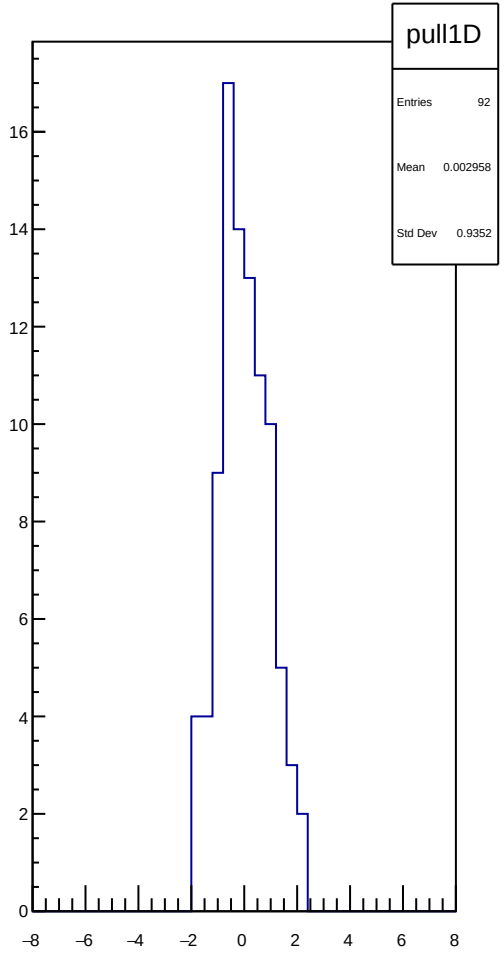

eigen_dit_asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 4641 / 91
p0 105.8 ± 0.08068
150
140
130
120
110
100

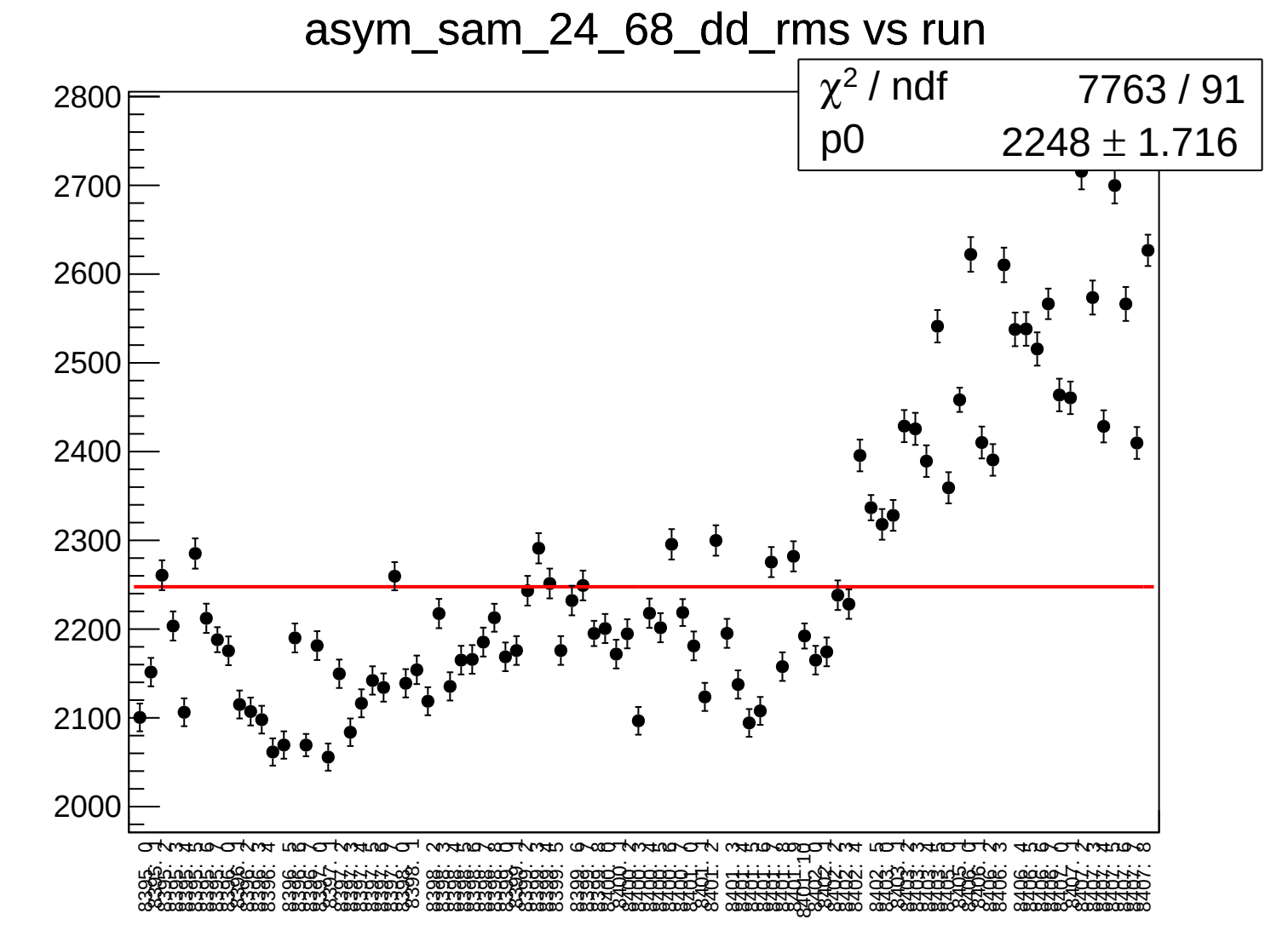

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 80.45 / 91
p0 −1739 ± 2455
pull
Entries 92
Mean 205
Std Dev 0

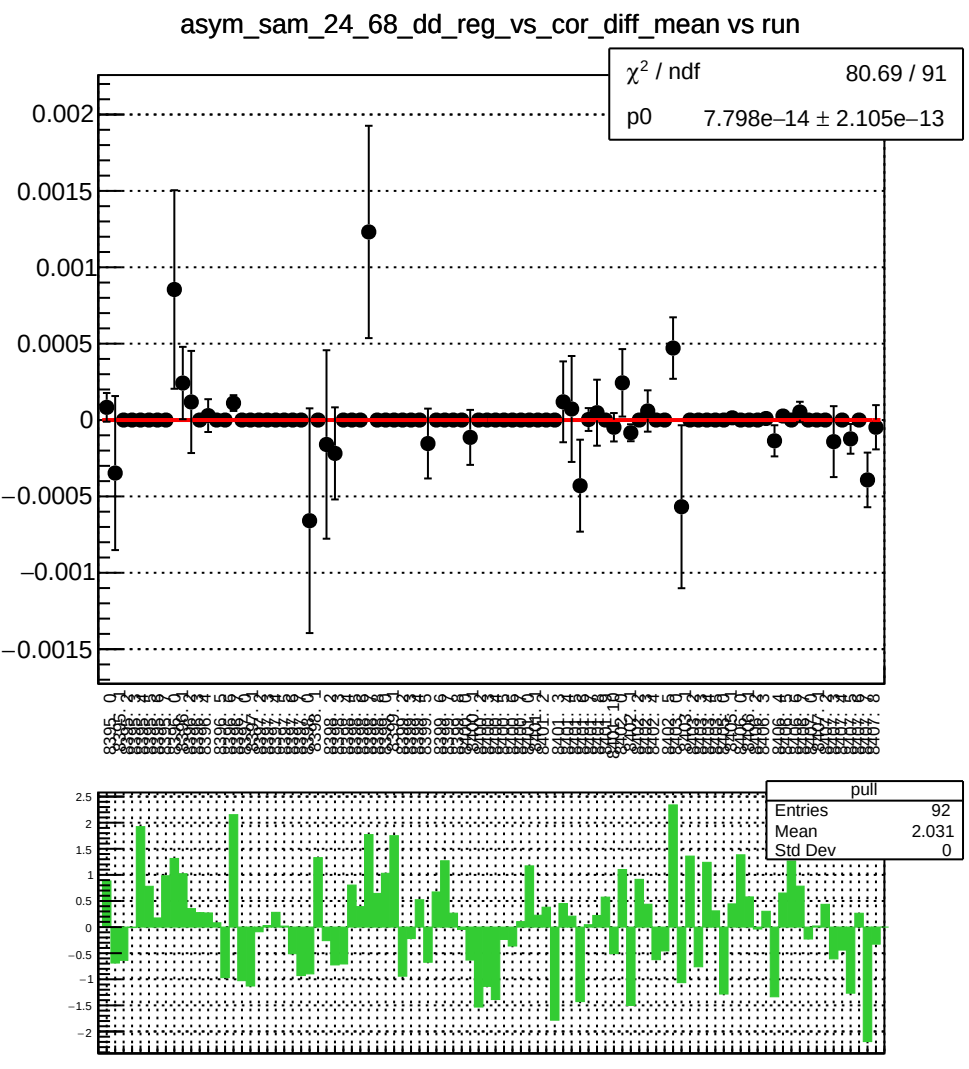

pull1D
Entries 92
Mean −0.004624
Std Dev 0.9351

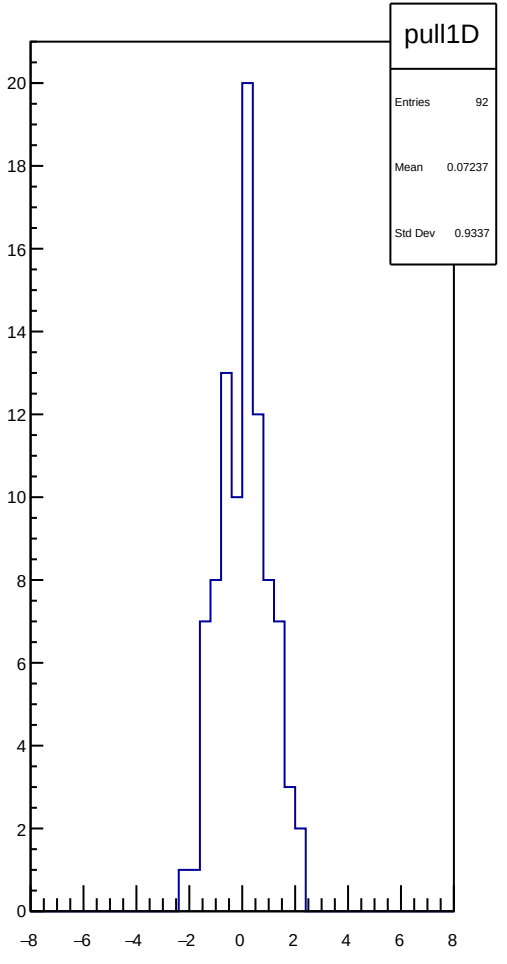

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 7220 / 91
p0 2274 ± 1.736
2800
2700
2600
2500
2400
2300
2200
2100
2000

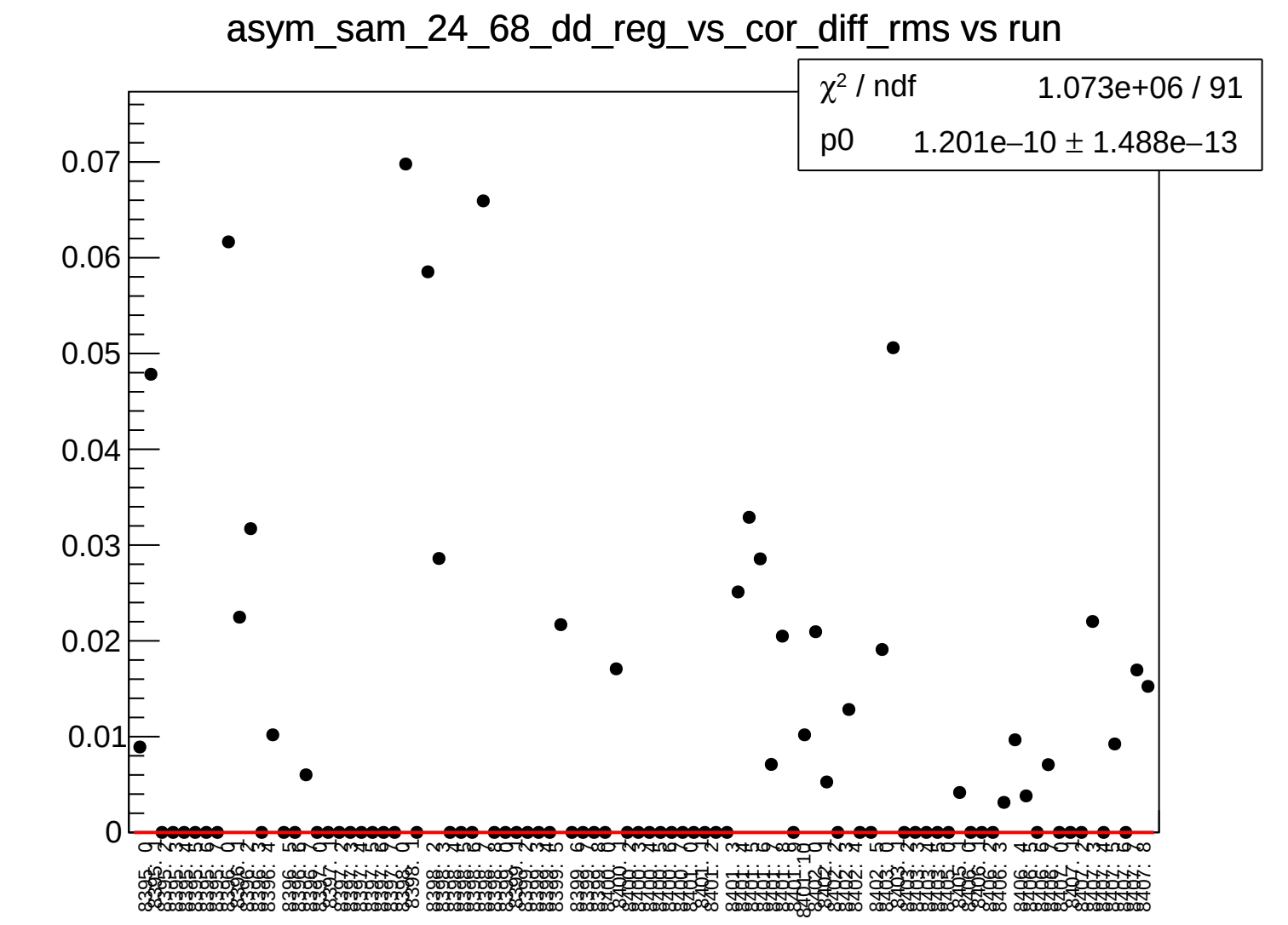

asym_sam_24_68_dd_mean vs run
χ² / ndf 80.46 / 91
p0 1754 ± 2427
pull
Entries 92
Mean 304.1
Std Dev 0

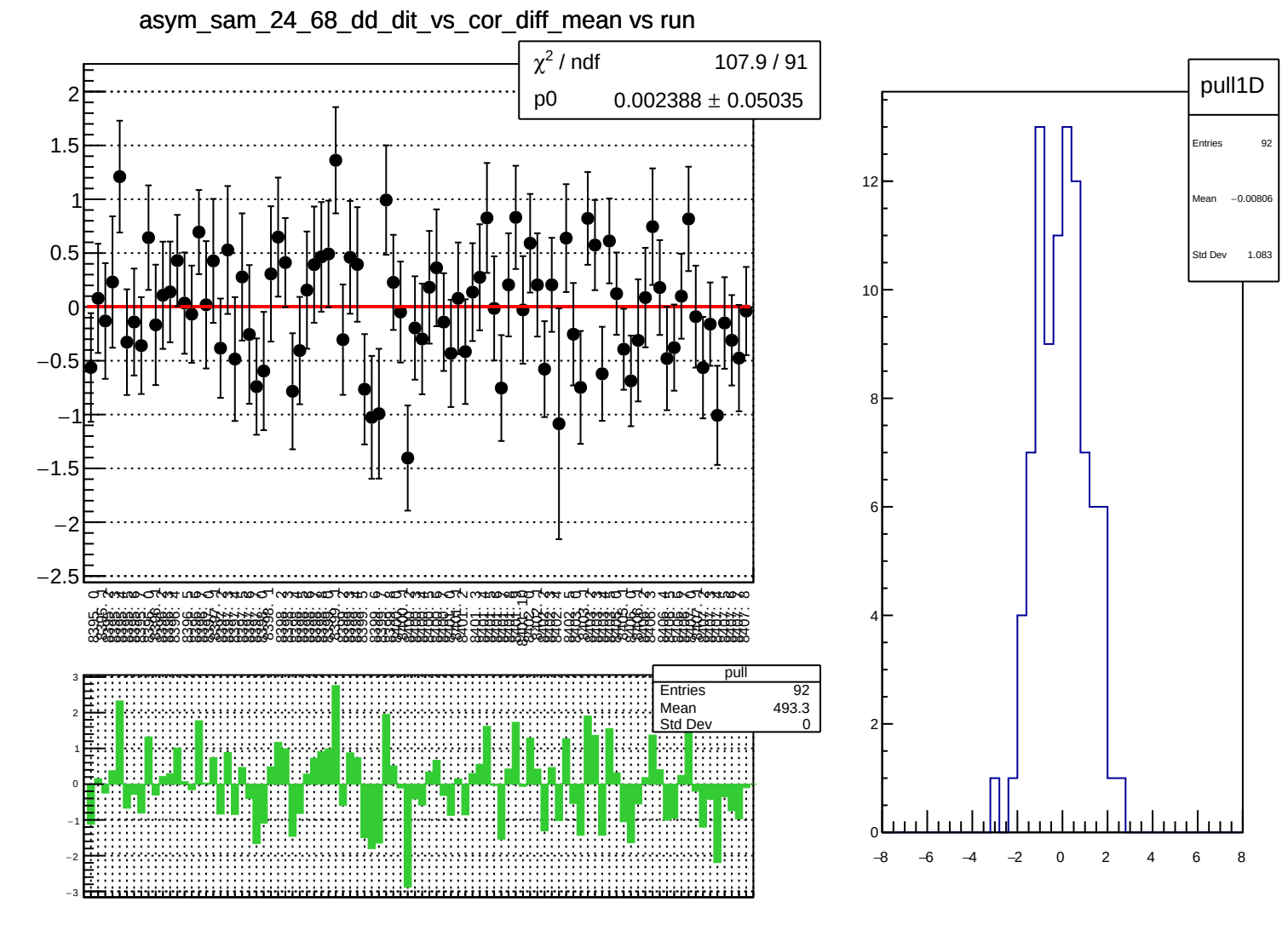

pull1D
Entries 92
Mean 0.002958
Std Dev 0.9352

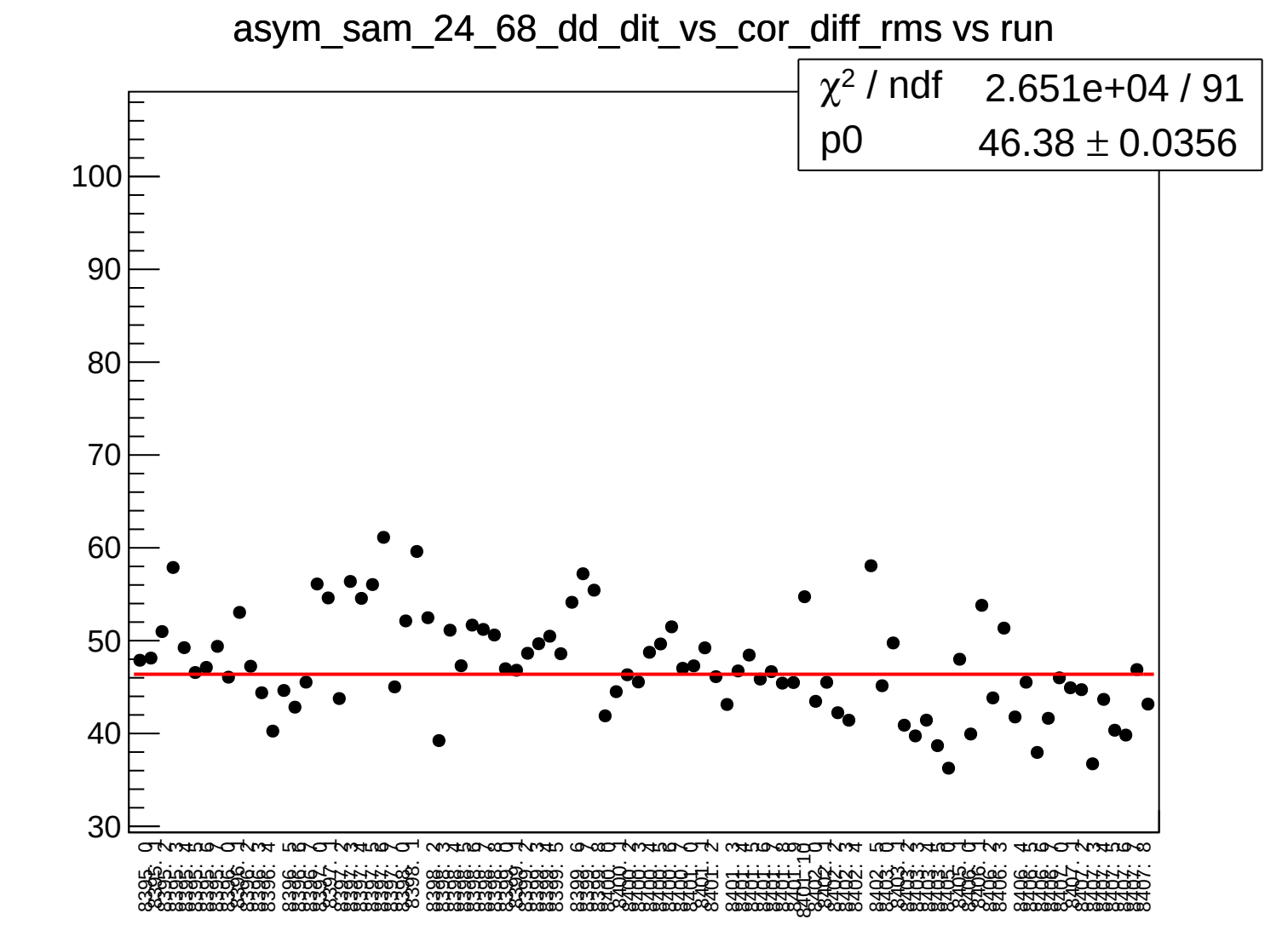

asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 7763 / 91
p0 2248 ± 1.716
2800
2700
2600
2500
2400
2300
2200
2100
2000

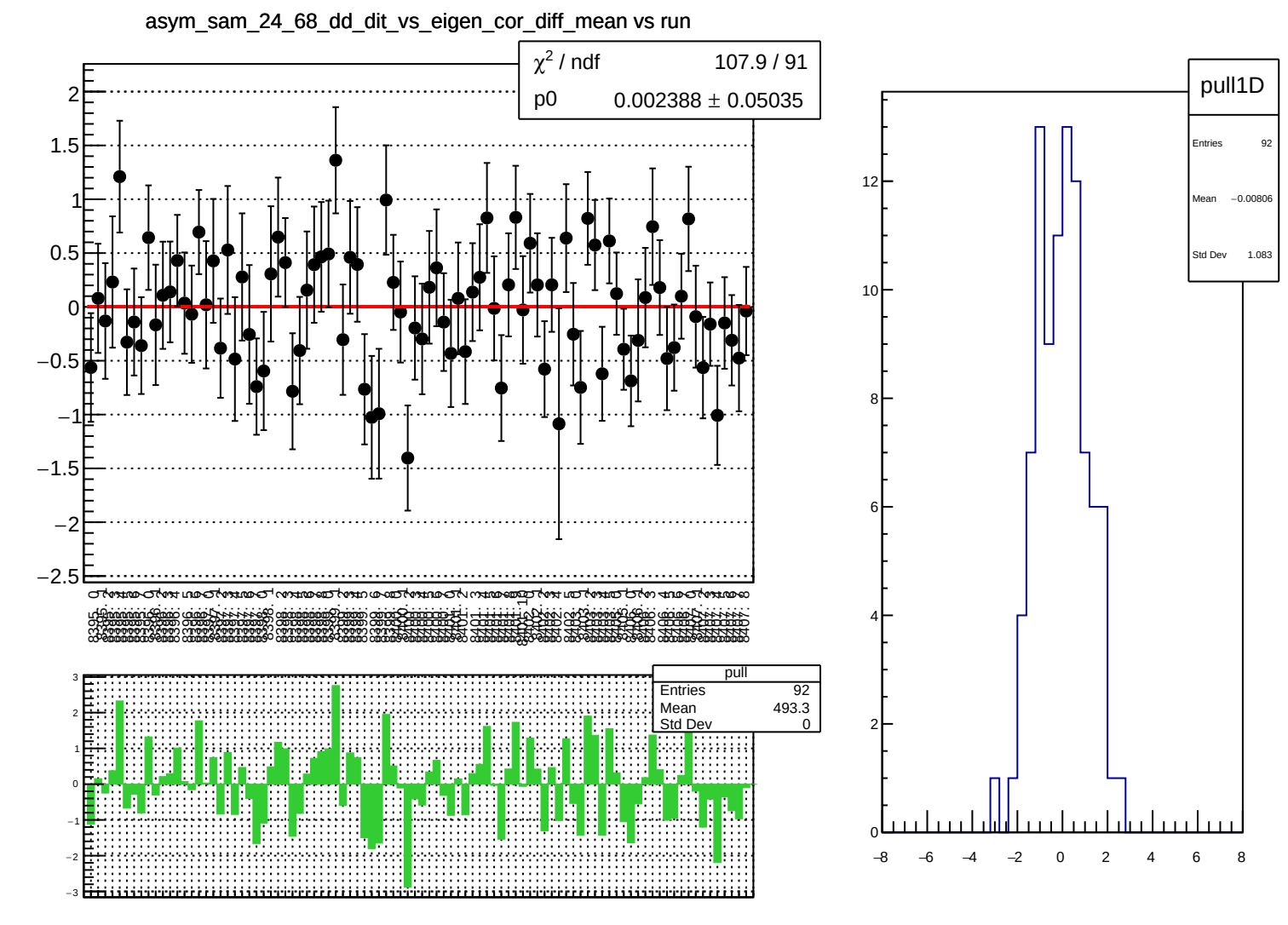

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.69 / 91
p0 7.798e−14 ± 2.105e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean 2.031
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

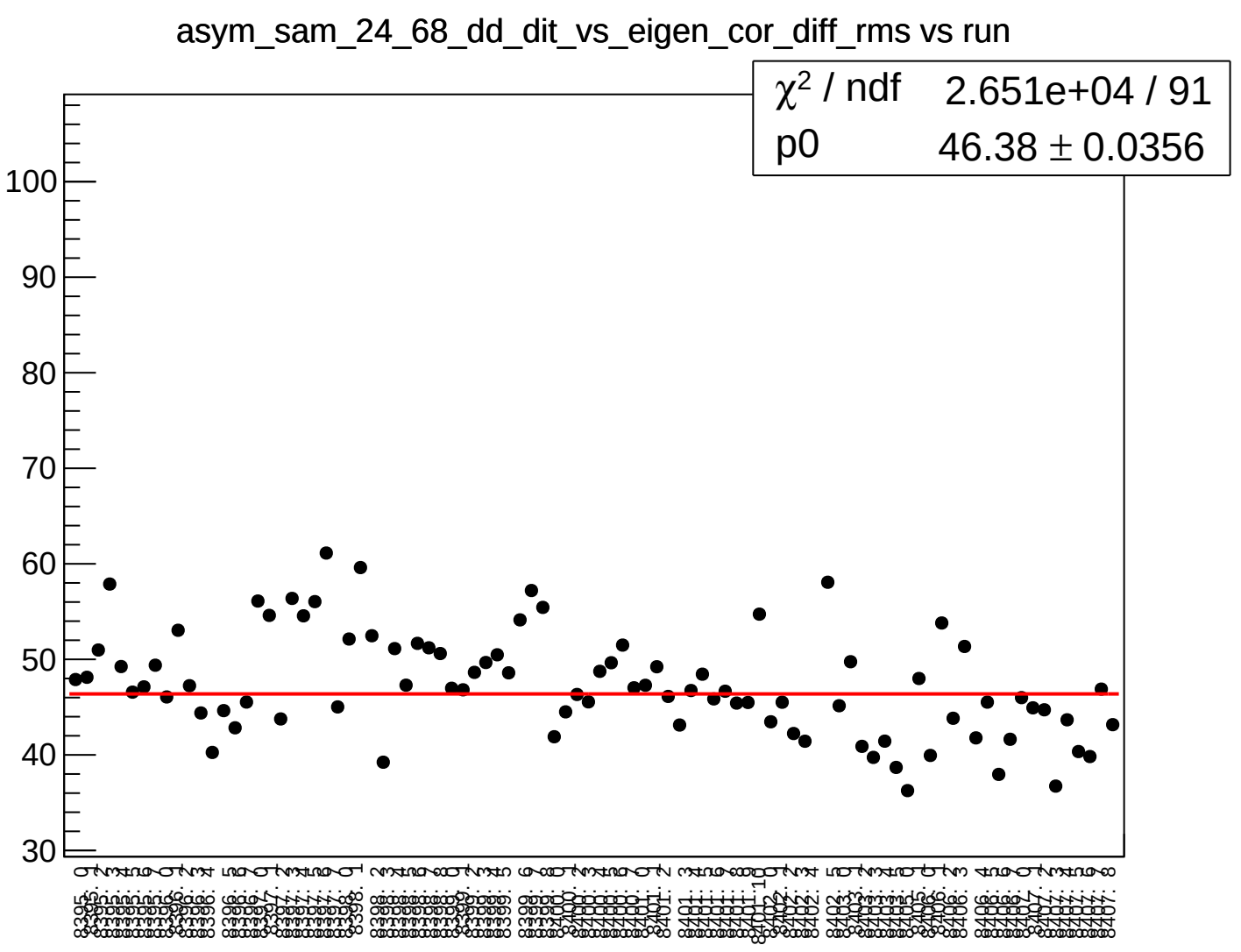

pull1D
Entries 92
Mean 0.07237
Std Dev 0.9337
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

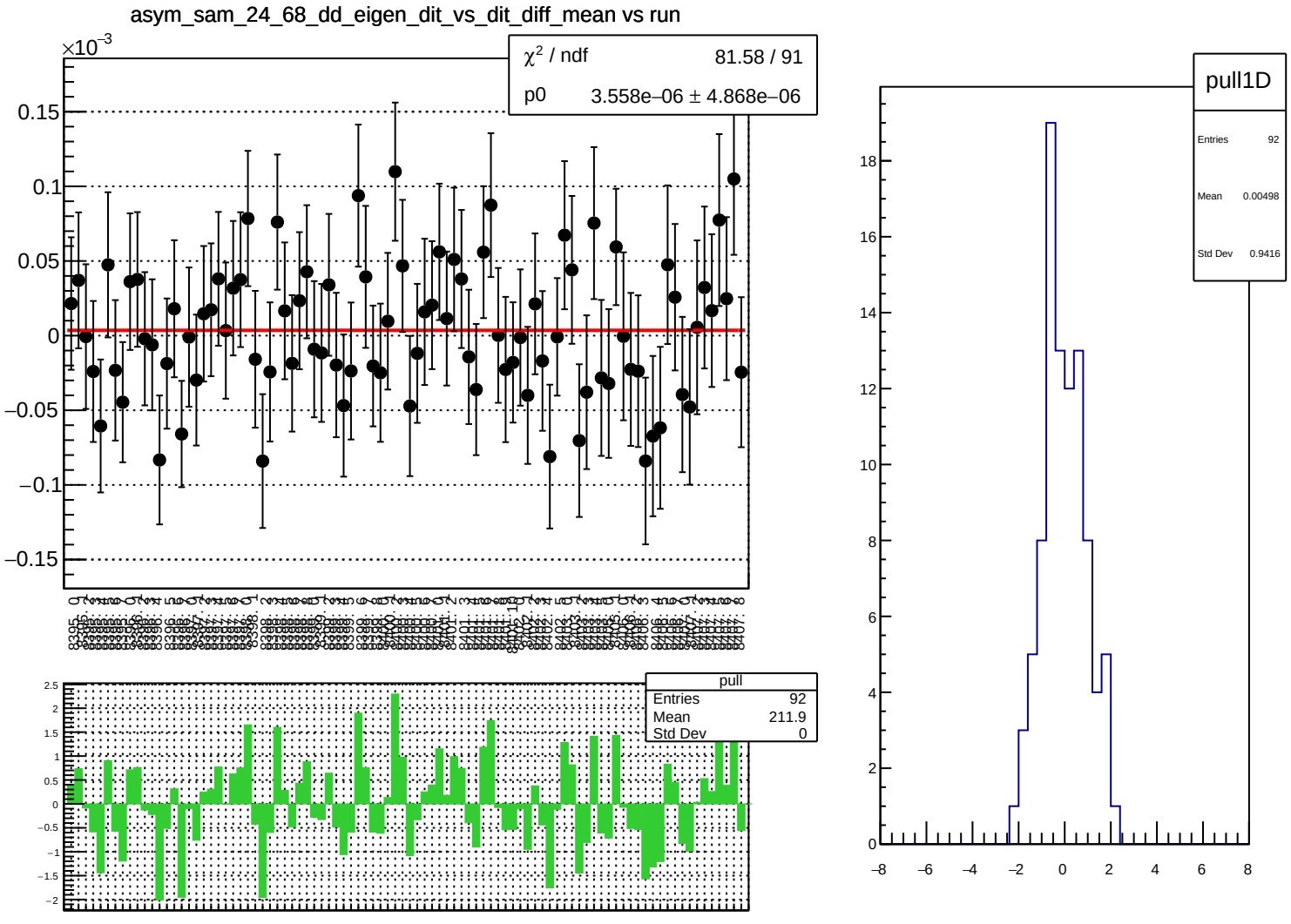

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.073e+06 / 91
p0 1.201e−10 ± 1.488e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

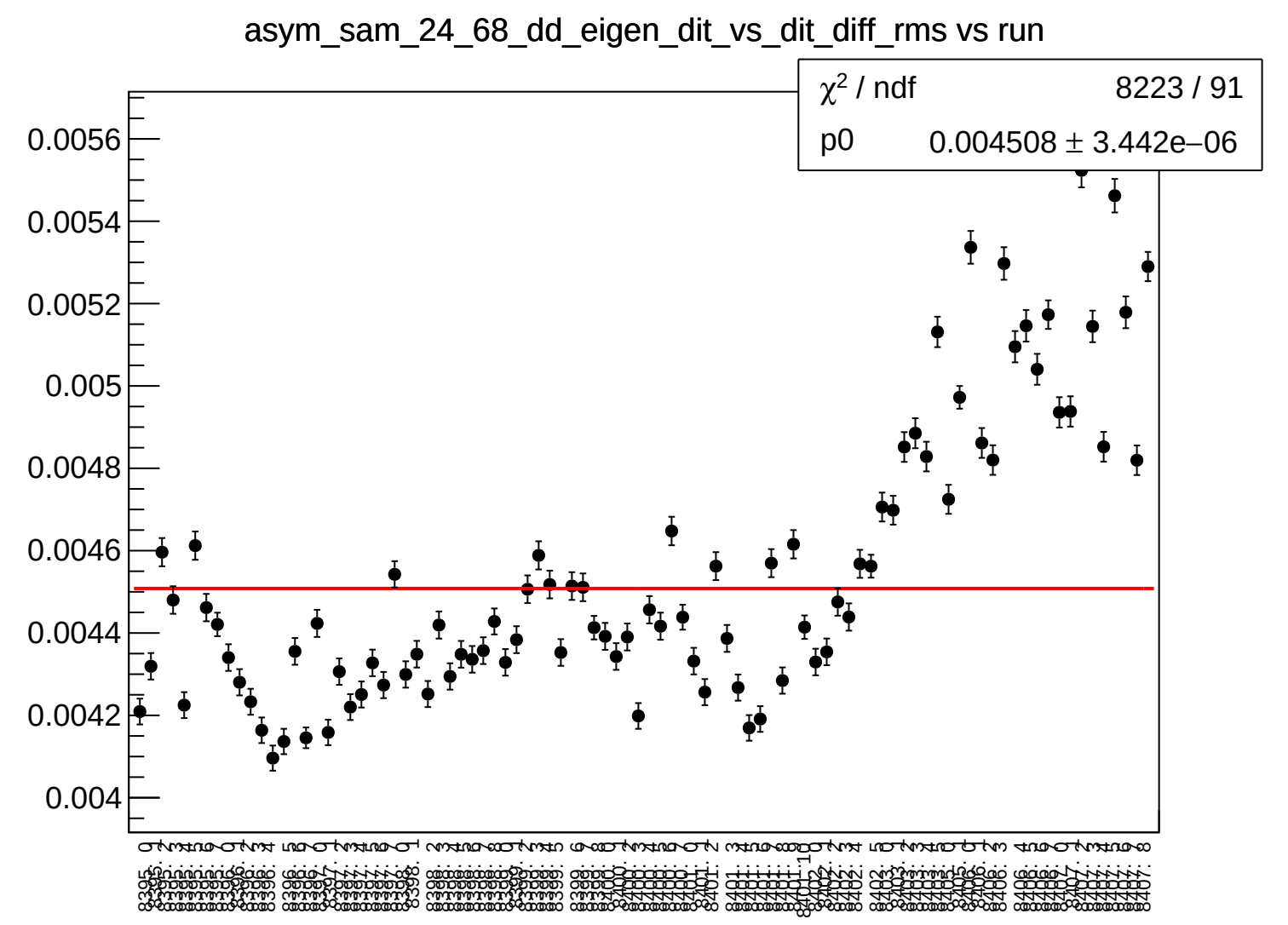

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 107.9 / 91
p0 0.002388 ± 0.05035
pull
Entries 92
Mean 493.3
Std Dev 0
pull1D
Entries 92
Mean −0.00806
Std Dev 1.083

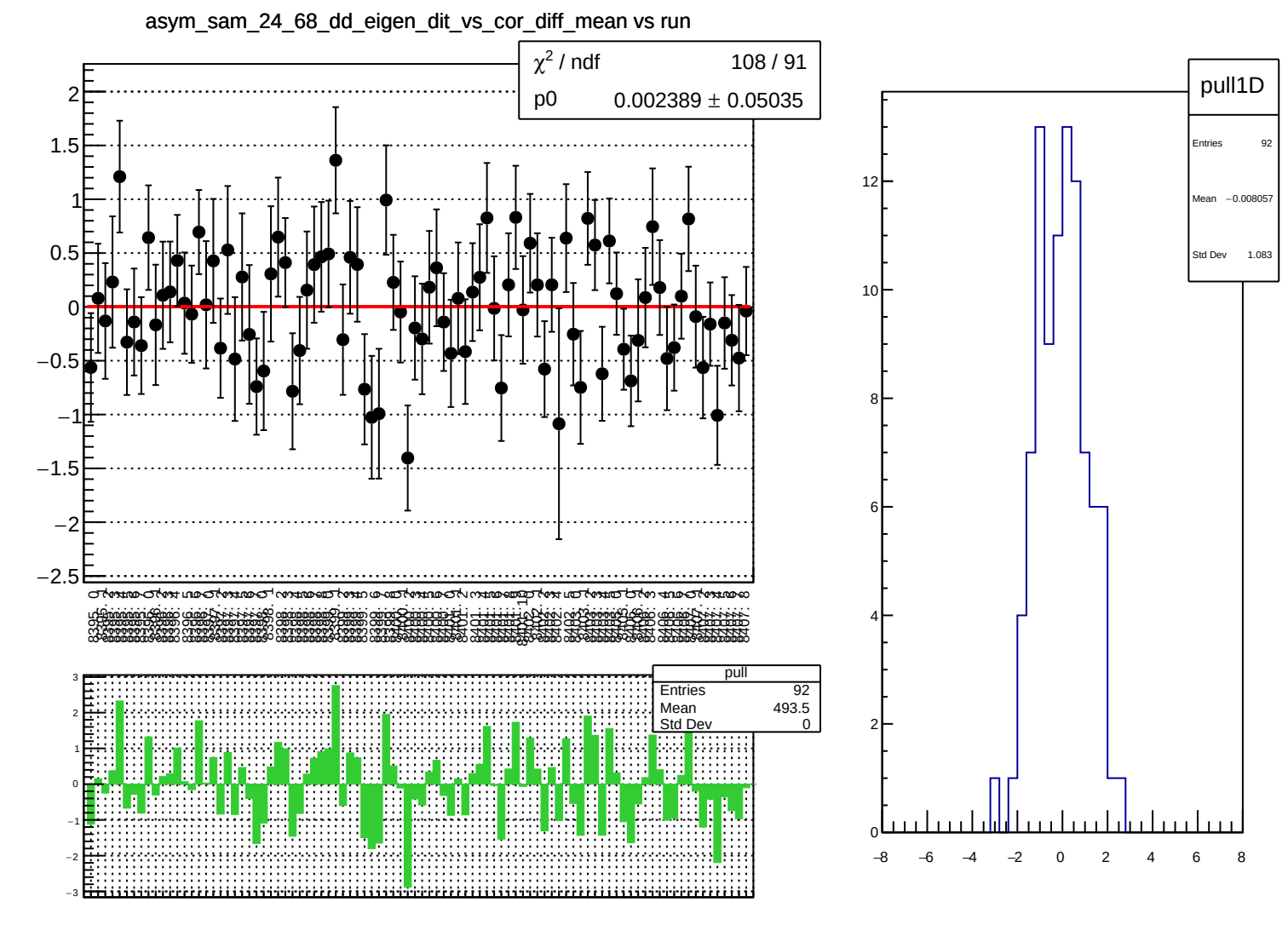

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.651e+04 / 91
p0 46.38 ± 0.0356
100
90
80
70
60
50
40
30

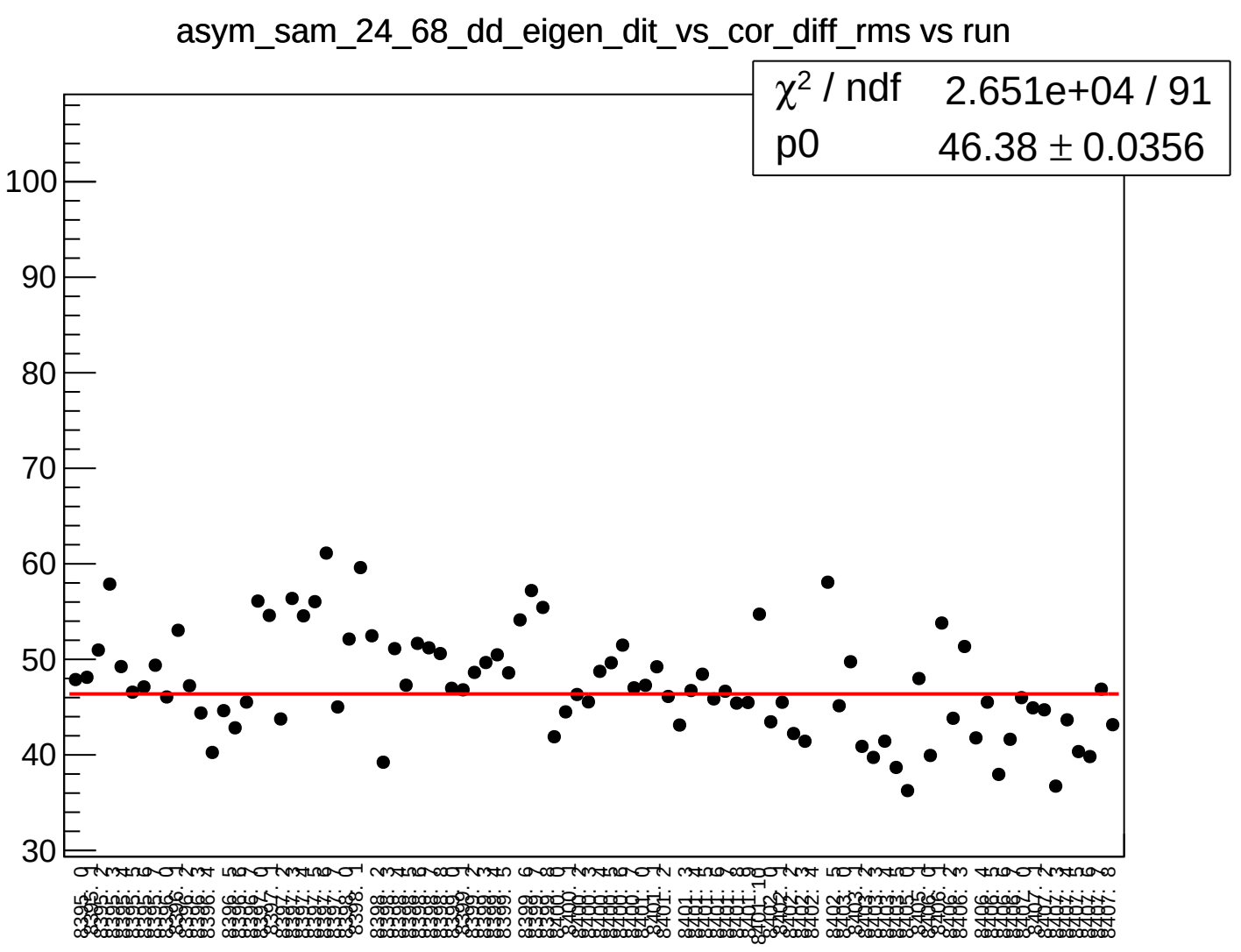

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 107.9 / 91
p0 0.002388 ± 0.05035
pull
Entries 92
Mean 493.3
Std Dev 0
pull1D
Entries 92
Mean −0.00806
Std Dev 1.083

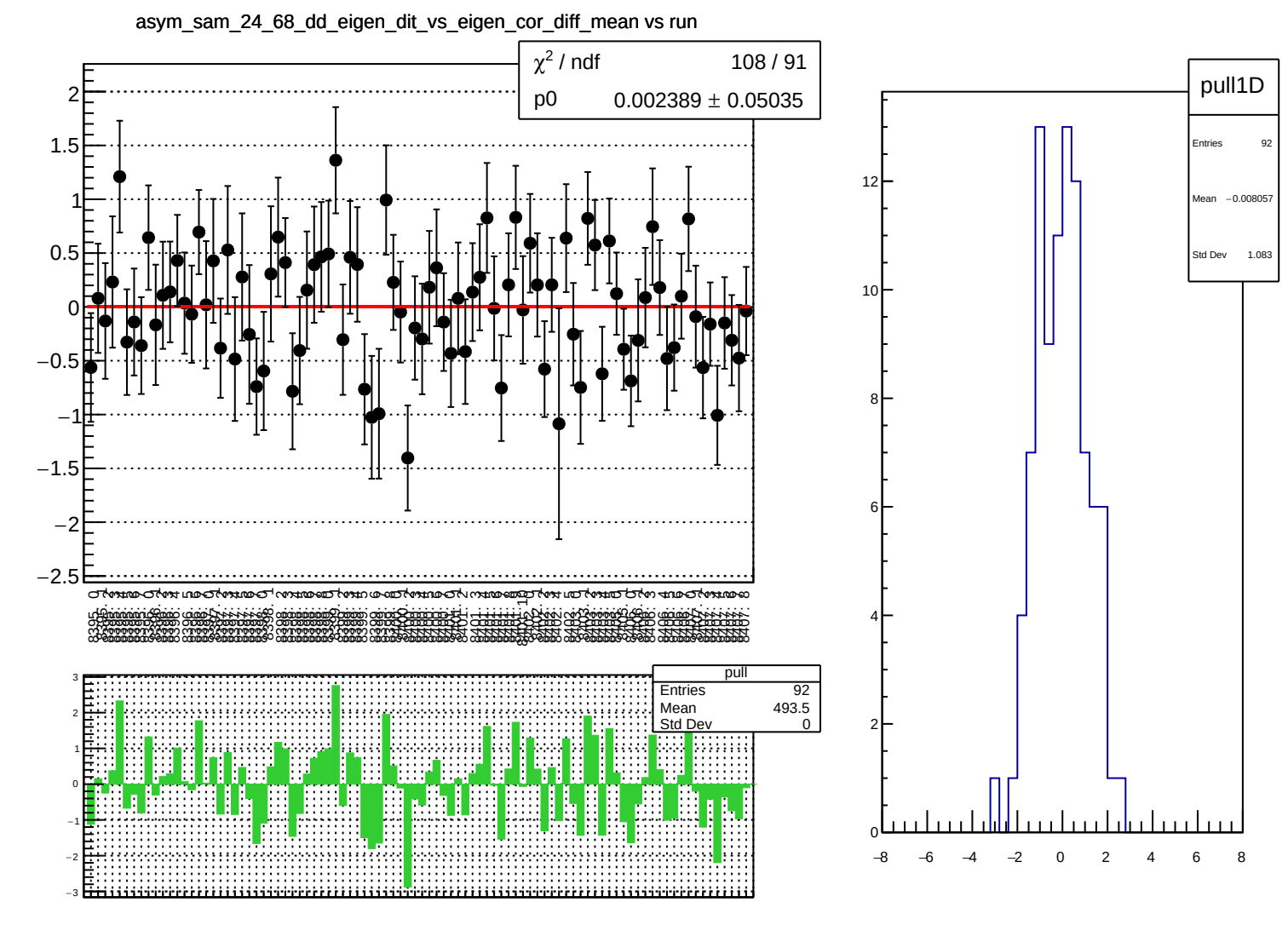

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.651e+04 / 91
p0 46.38 ± 0.0356
100
90
80
70
60
50
40
30

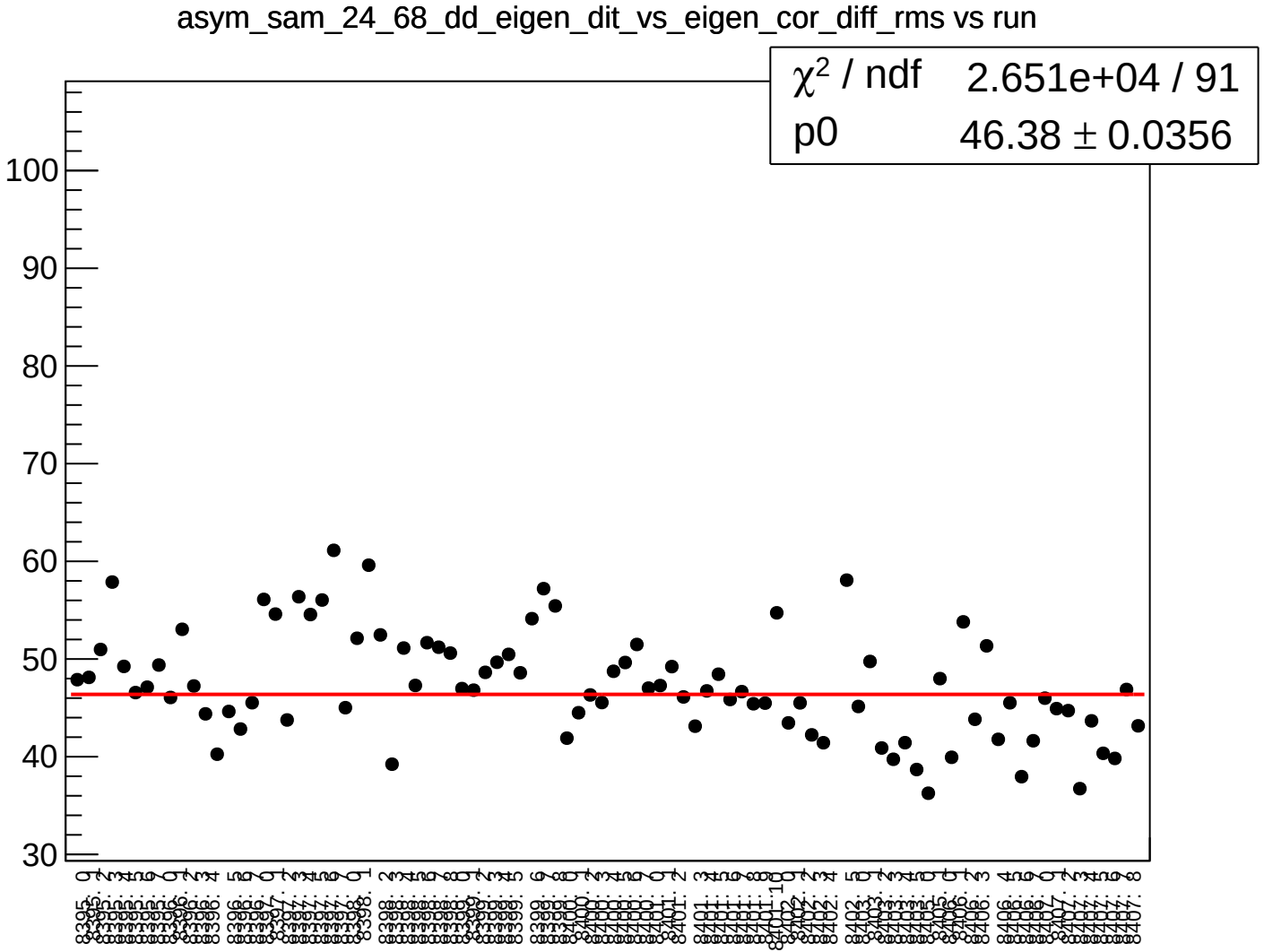

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 81.58 / 91
p0 3.558e−06 ± 4.868e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 211.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.00498
Std Dev 0.9416
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

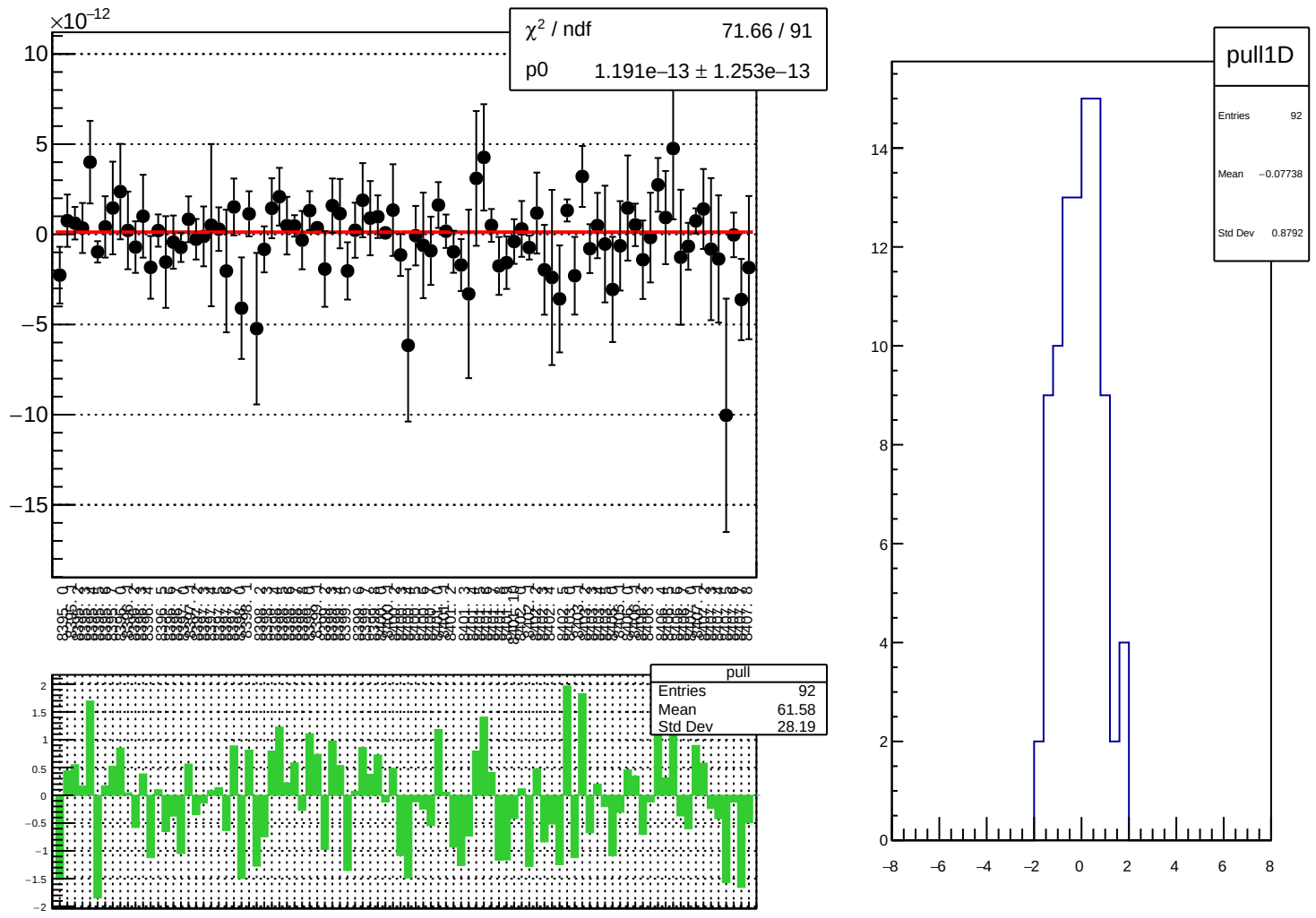

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8223 / 91
p0 0.004508 ± 3.442e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004

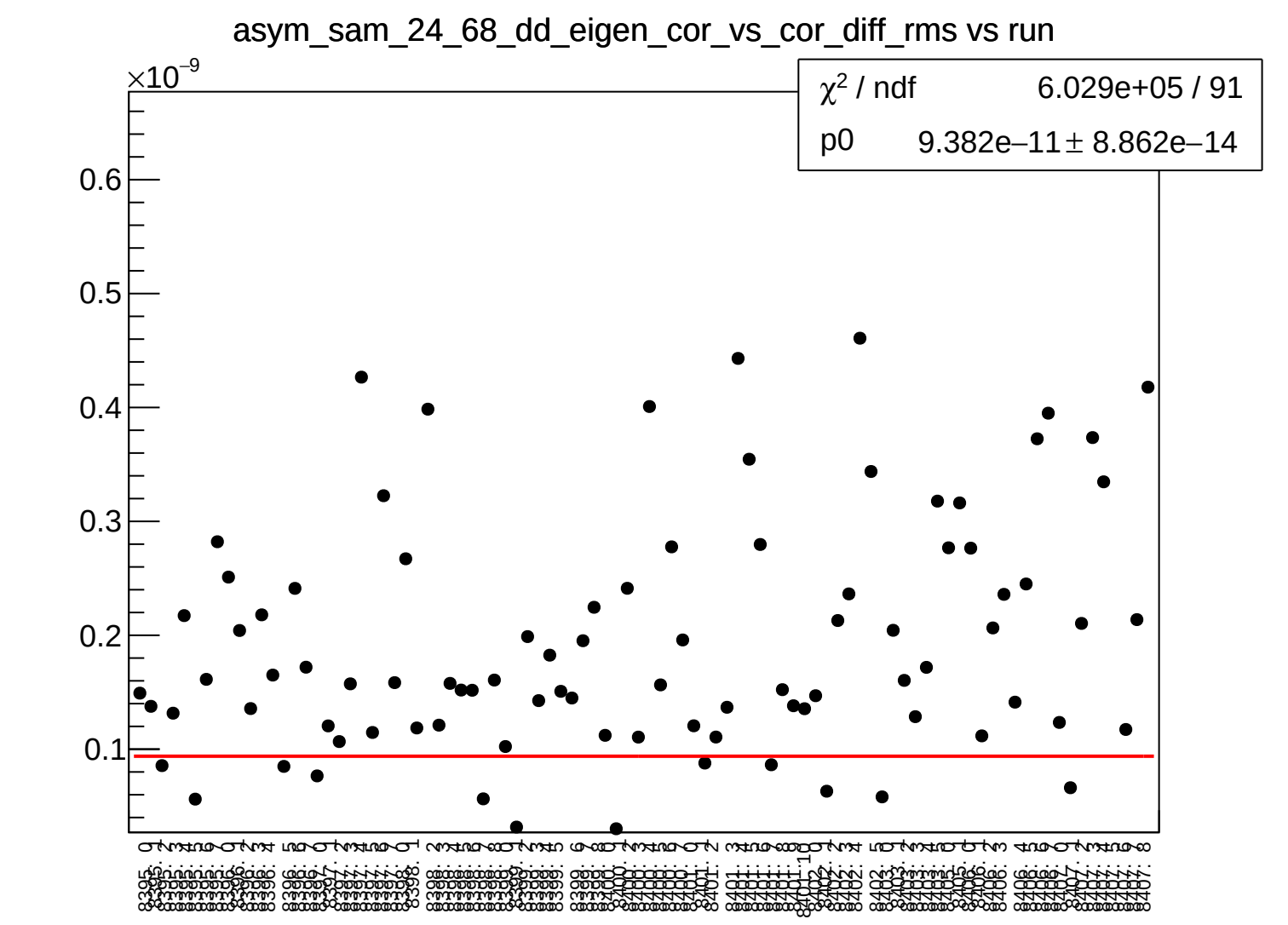

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 108 / 91
p0 0.002389 ± 0.05035
pull
Entries 92
Mean 493.5
Std Dev 0
pull1D
Entries 92
Mean −0.008057
Std Dev 1.083

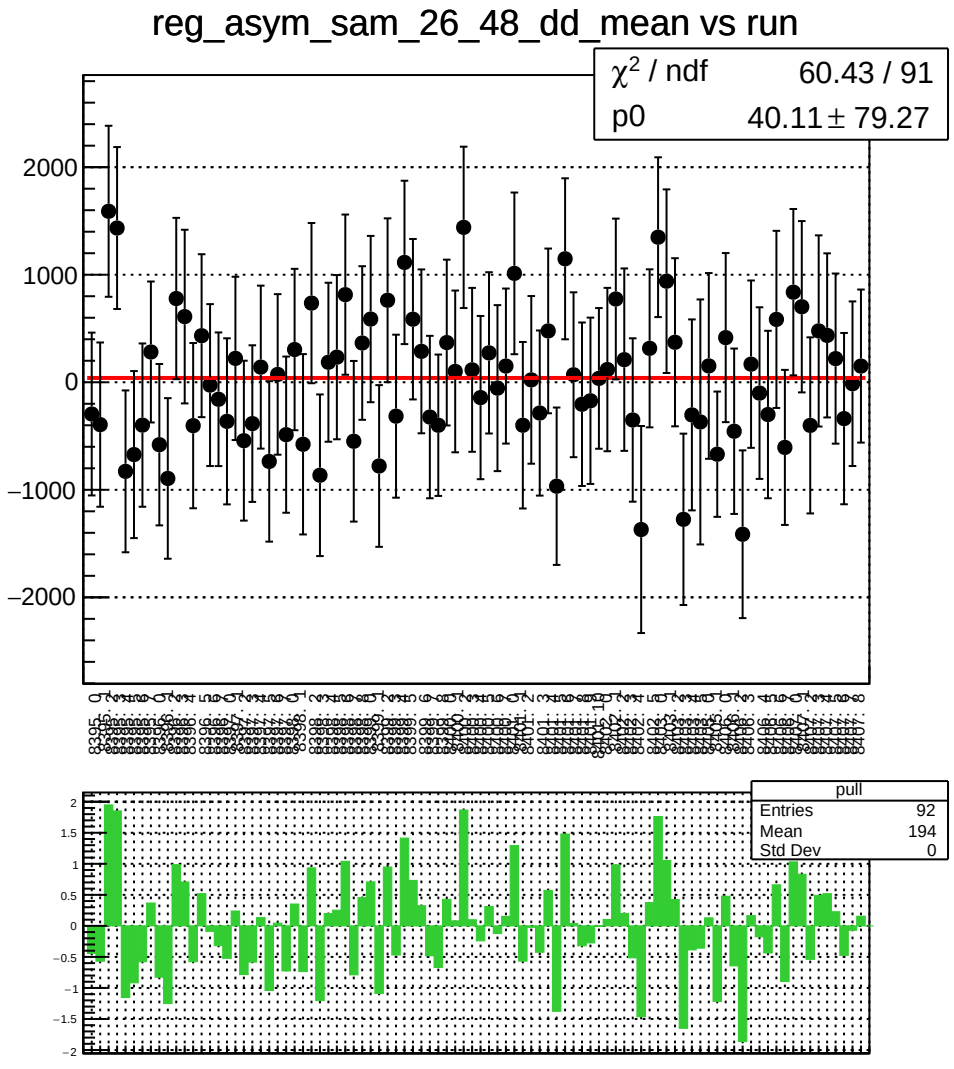

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.651e+04 / 91
p0 46.38 ± 0.0356
100
90
80
70
60
50
40
30

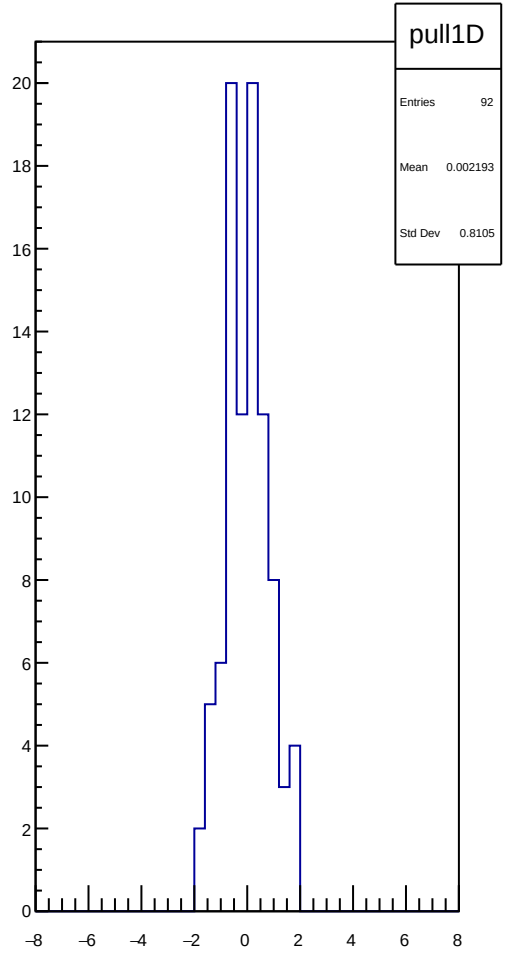

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108 / 91
p0 0.002389 ± 0.05035
pull
Entries 92
Mean 493.5
Std Dev 0
pull1D
Entries 92
Mean −0.008057
Std Dev 1.083

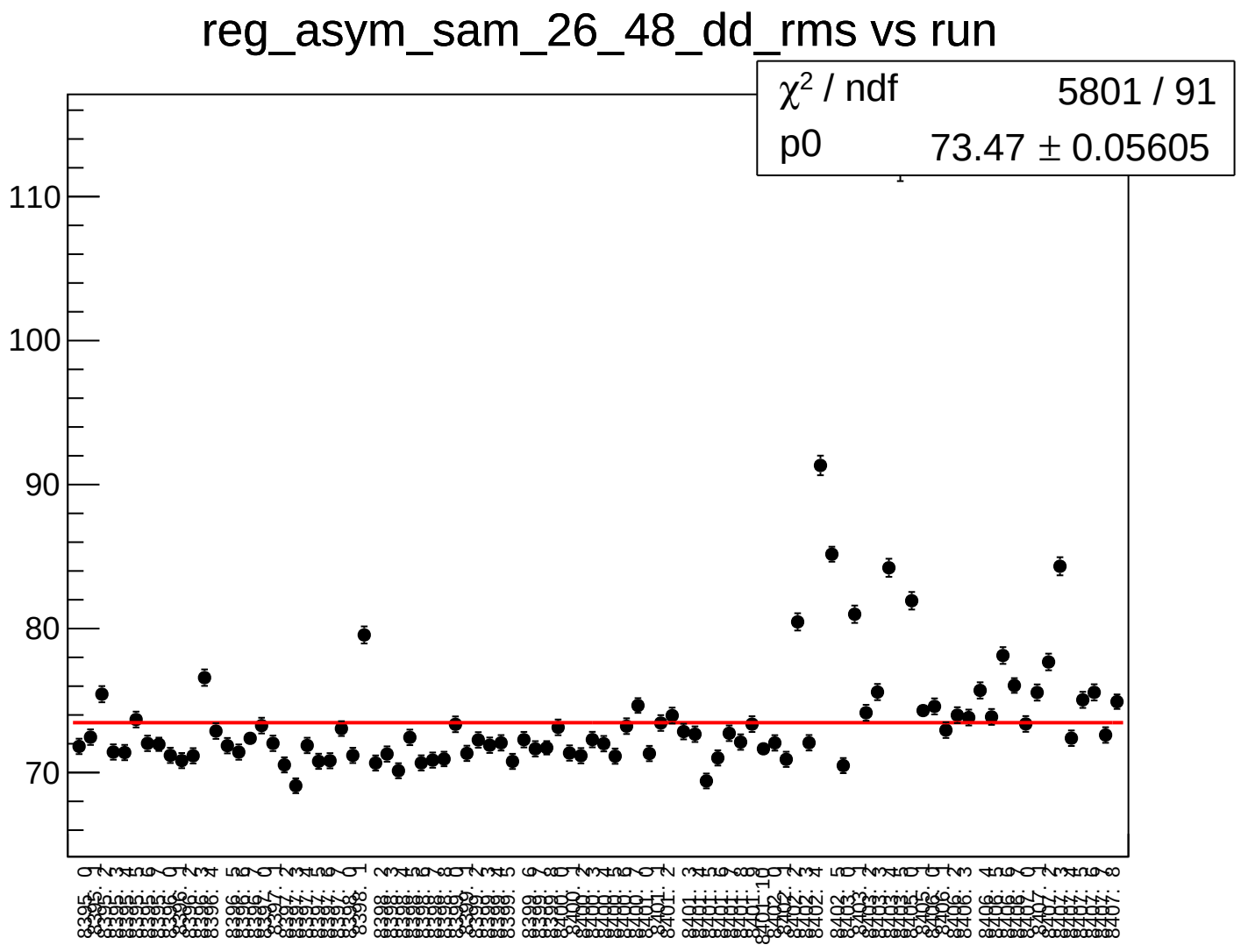

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.651e+04 / 91
p0 46.38 ± 0.0356
100
90
80
70
60
50
40
30

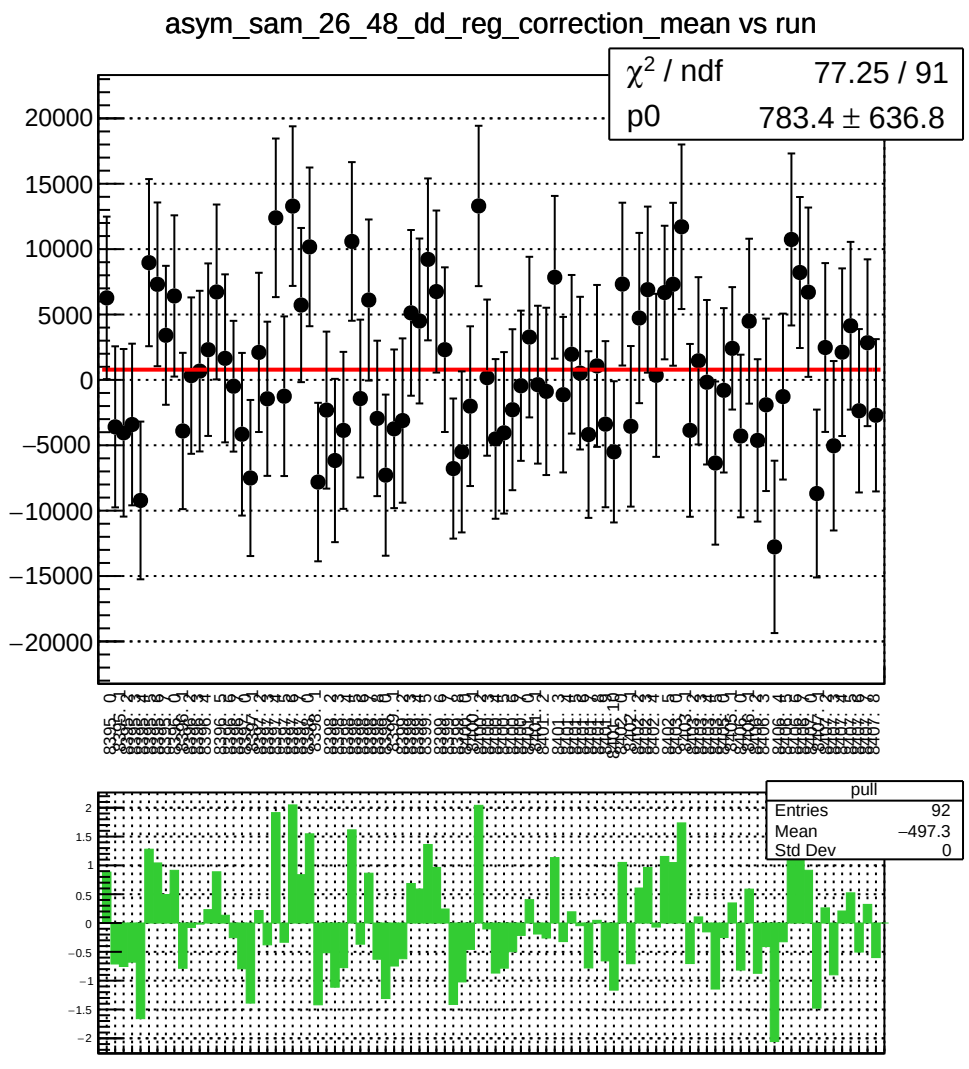

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.66 / 91
p0 1.191e−13 ± 1.253e−13
pull
Entries 92
Mean 61.58
Std Dev 28.19
pull1D
Entries 92
Mean −0.07738
Std Dev 0.8792

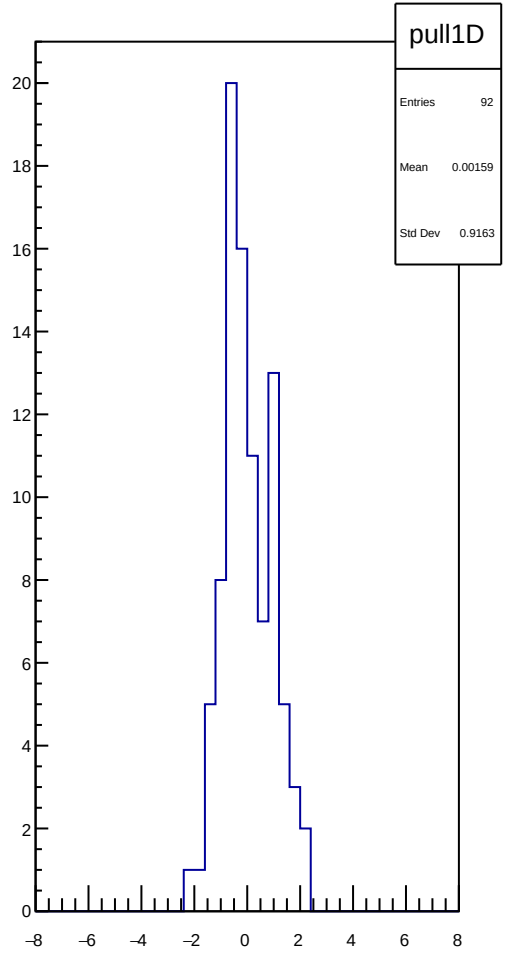

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.029e+05 / 91
p0 9.382e−11 ± 8.862e−14
0.6
0.5
0.4
0.3
0.2
0.1

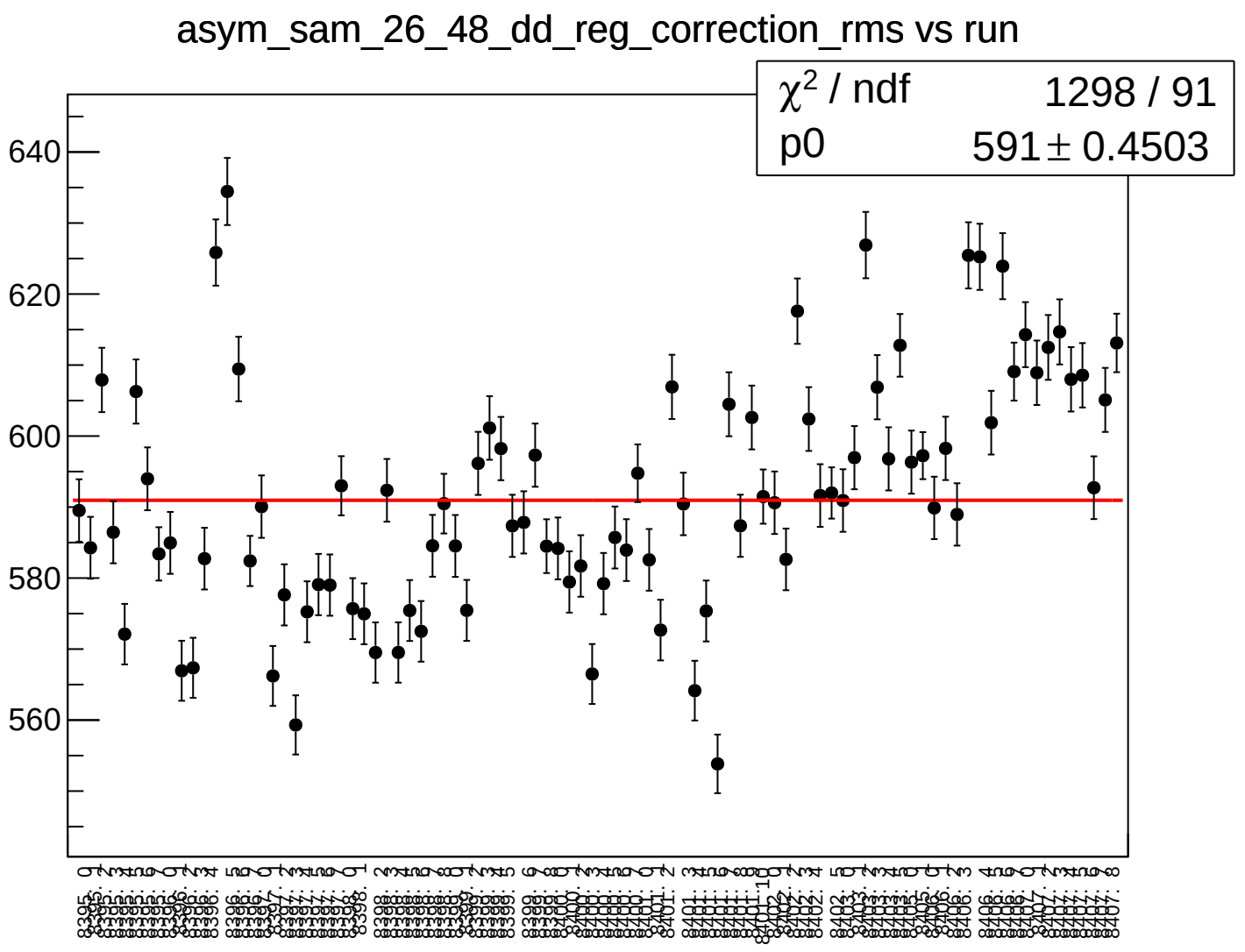

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.43 / 91
p0 40.11 ± 79.27
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 194
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

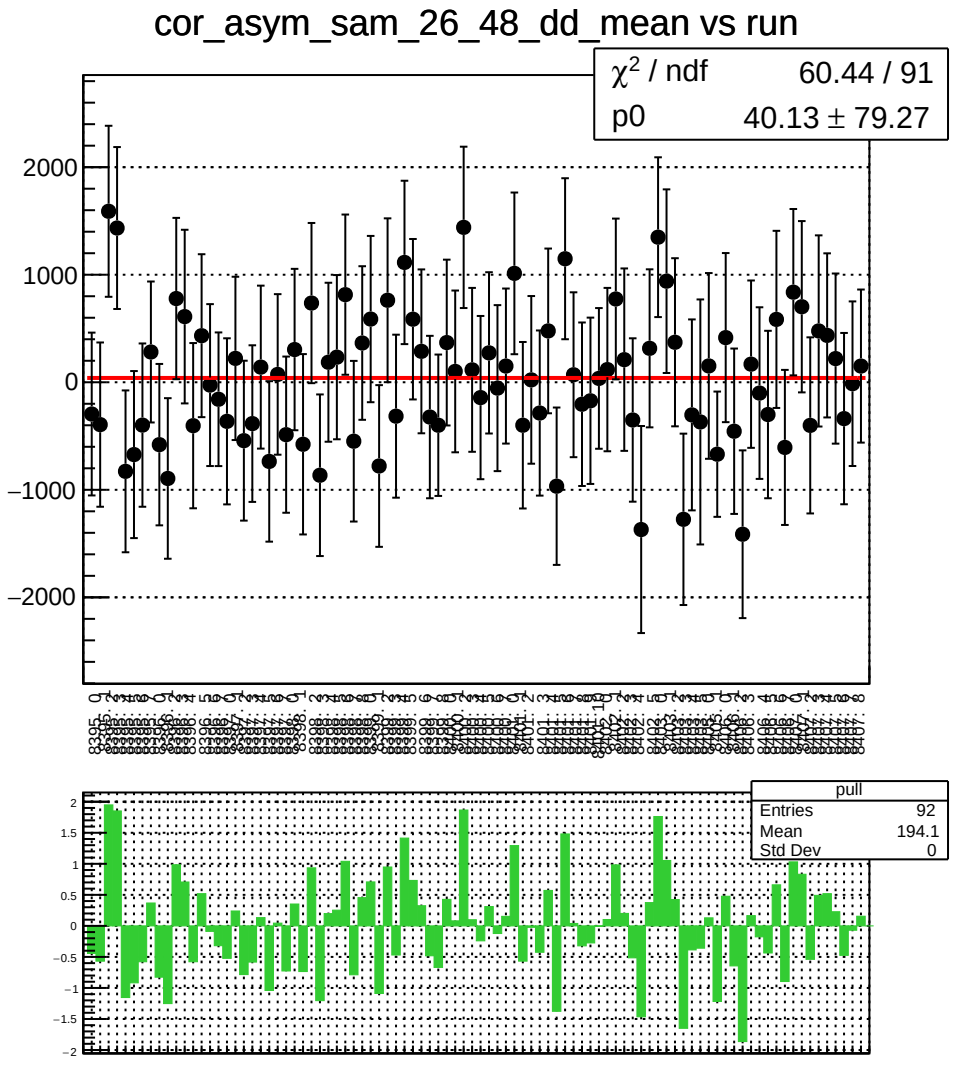

pull1D
Entries 92
Mean 0.002193
Std Dev 0.8105
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

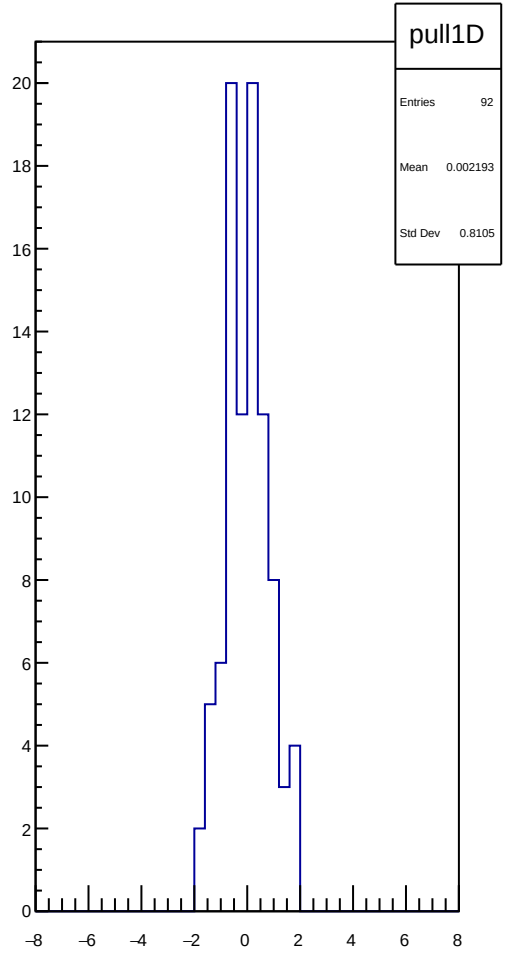

reg_asym_sam_26_48_dd_rms vs run
$\chi^2$ / ndf 5801 / 91
p0 73.47 ± 0.05605
110
100
90
80
70

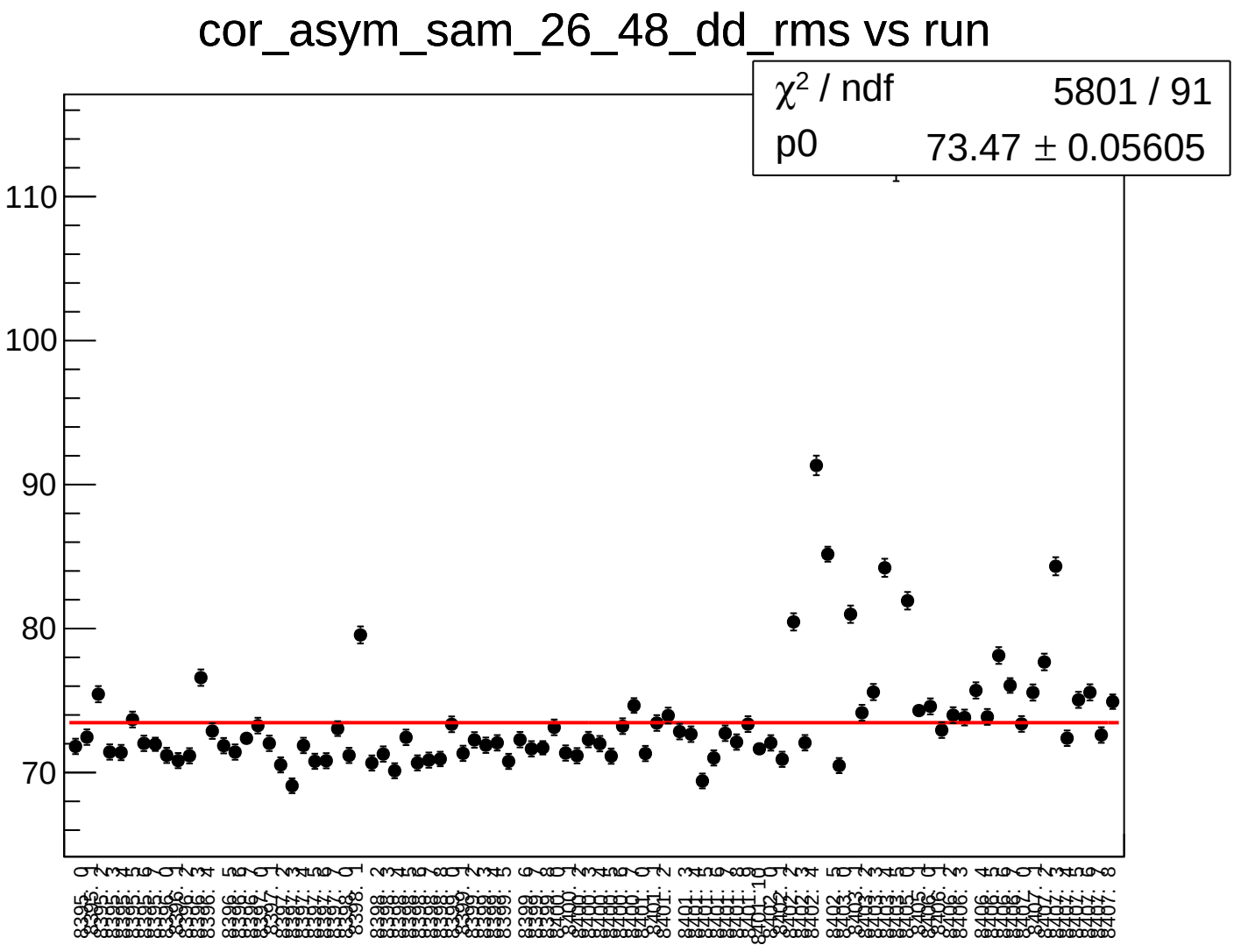

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 77.25 / 91
p0 783.4 ± 636.8
pull
Entries 92
Mean −497.3
Std Dev 0

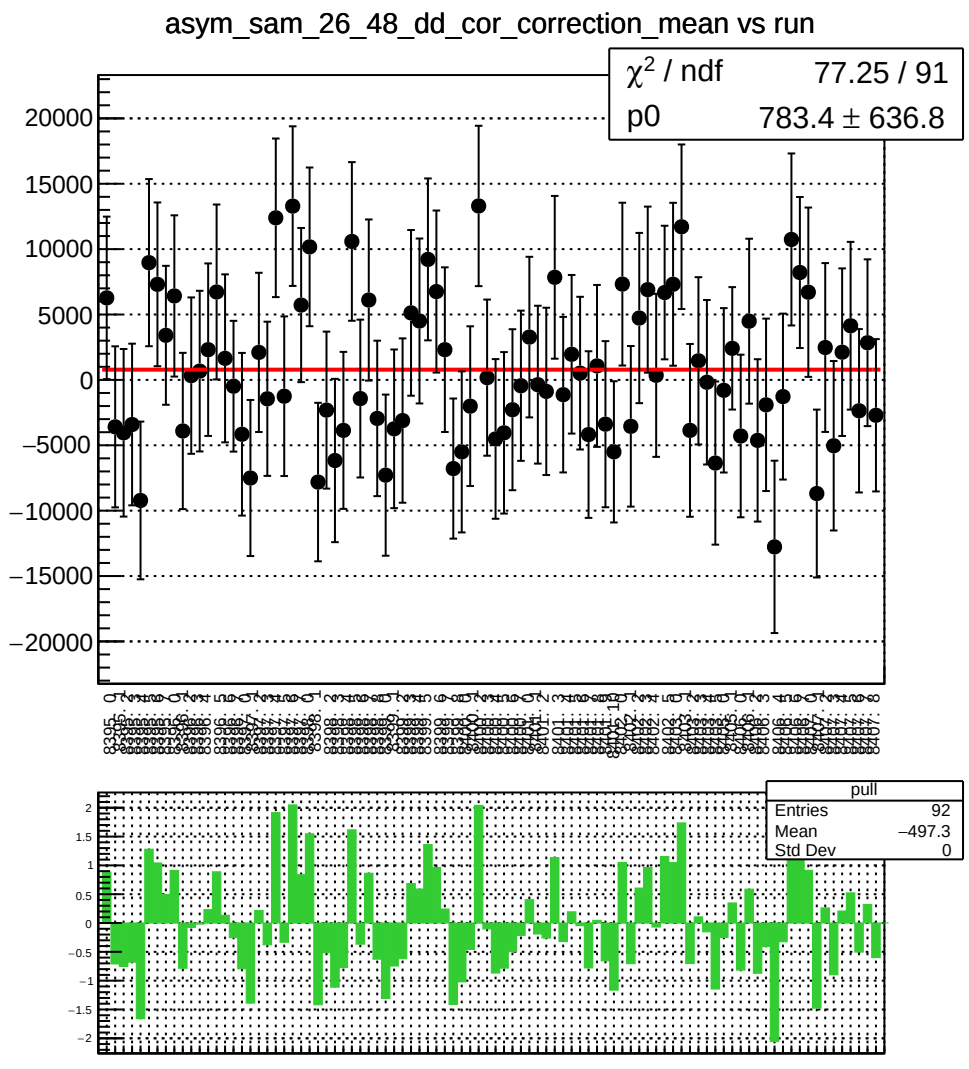

pull1D
Entries 92
Mean 0.00159
Std Dev 0.9163

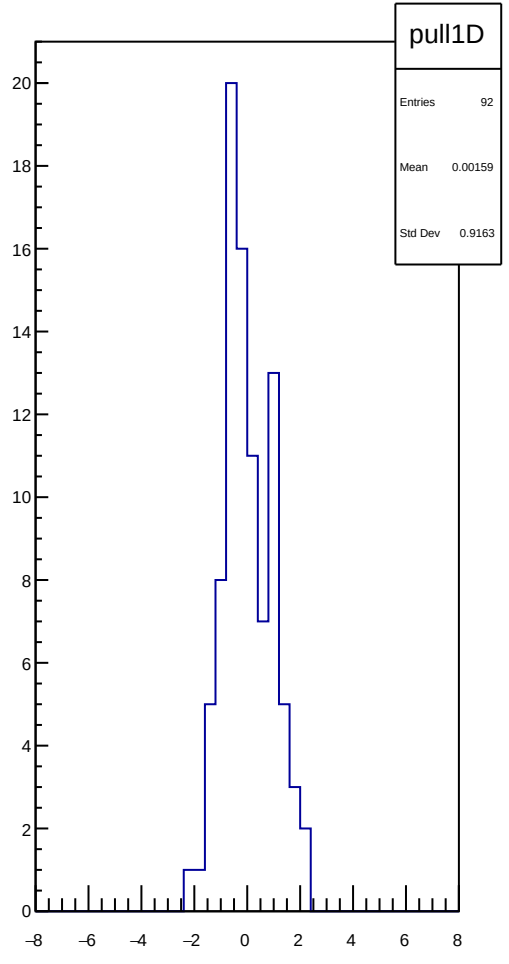

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 1298 / 91
p0 591 ± 0.4503
640
620
600
580
560

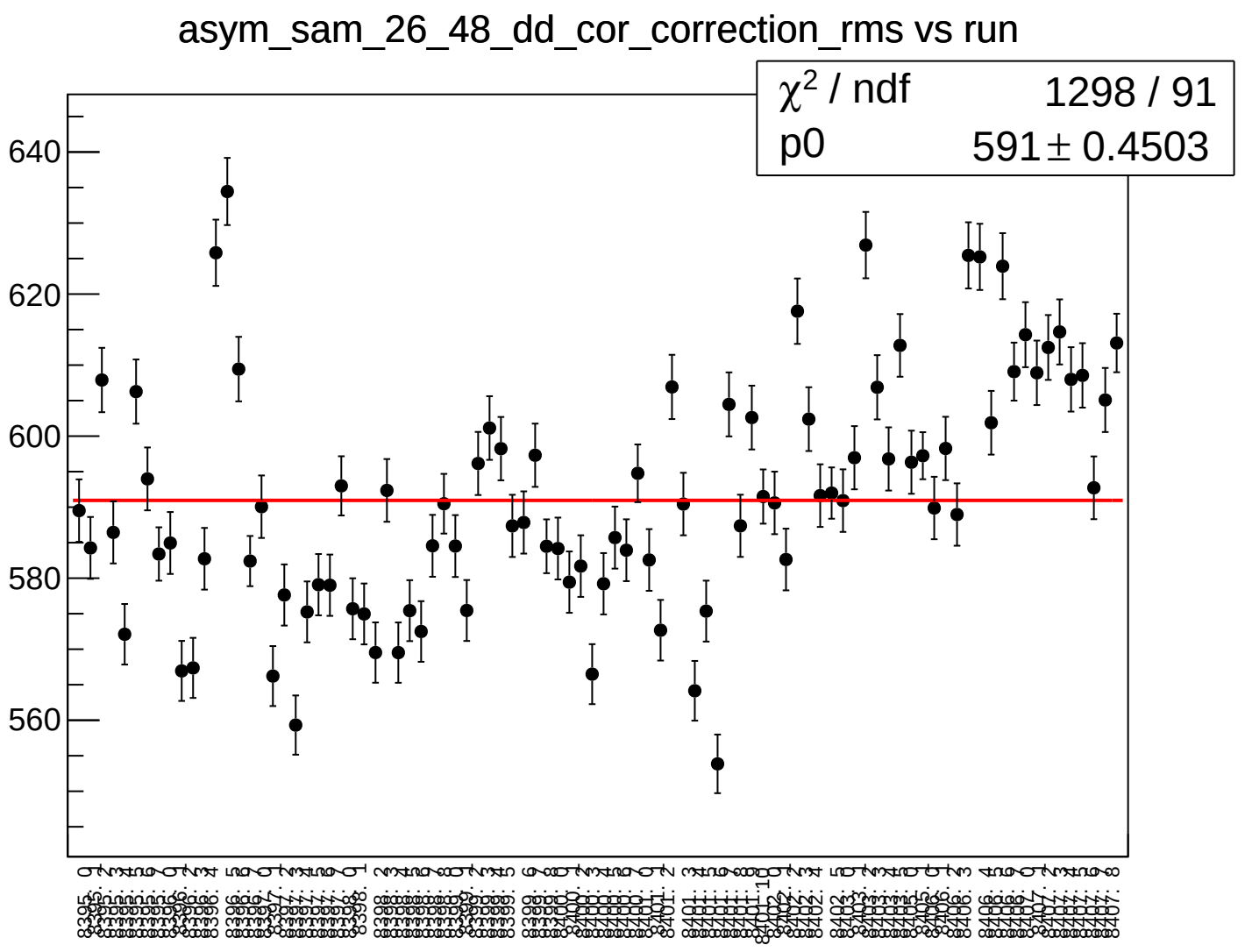

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.44 / 91
p0 40.13 ± 79.27
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 194.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

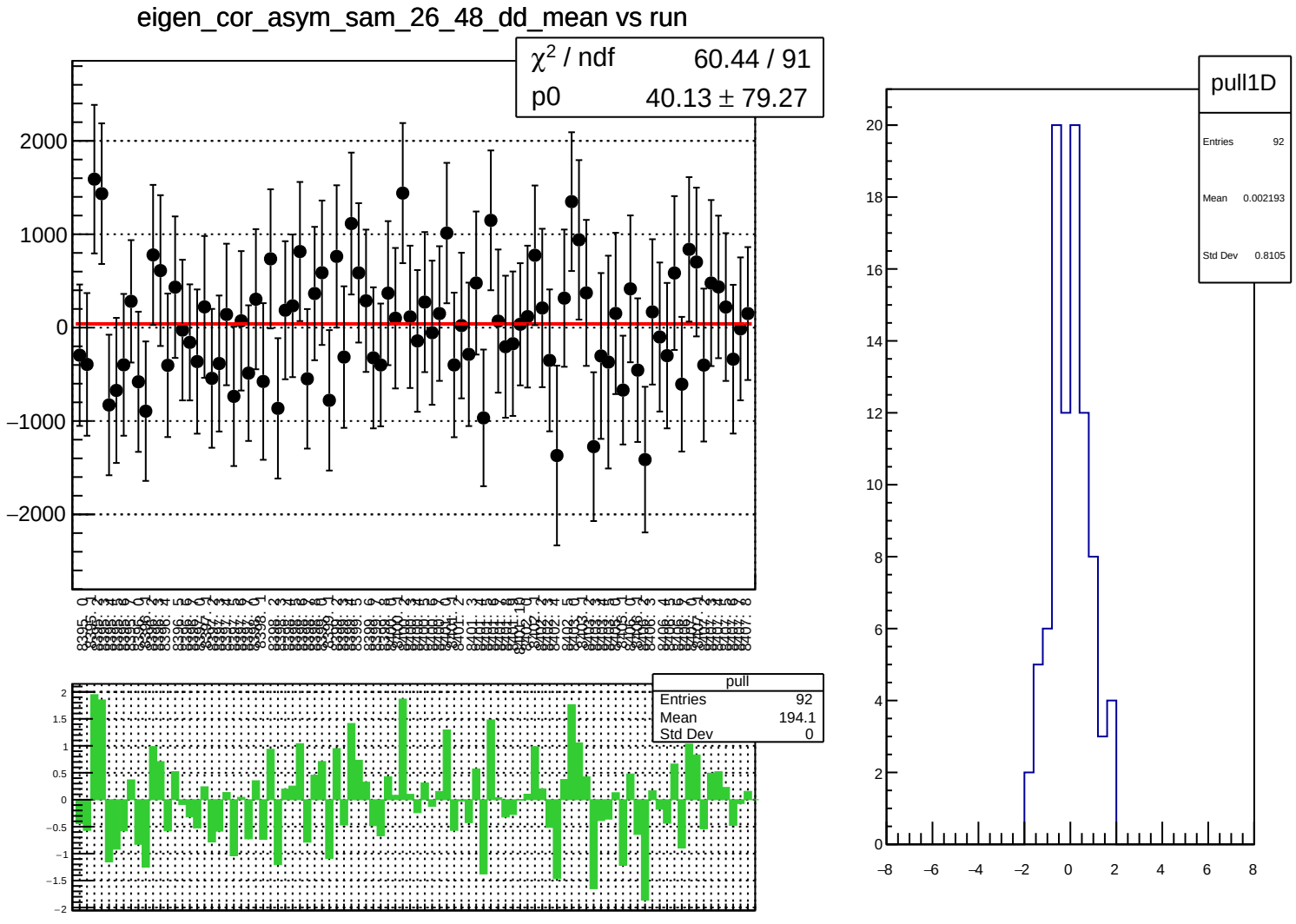

pull1D
Entries 92
Mean 0.002193
Std Dev 0.8105
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

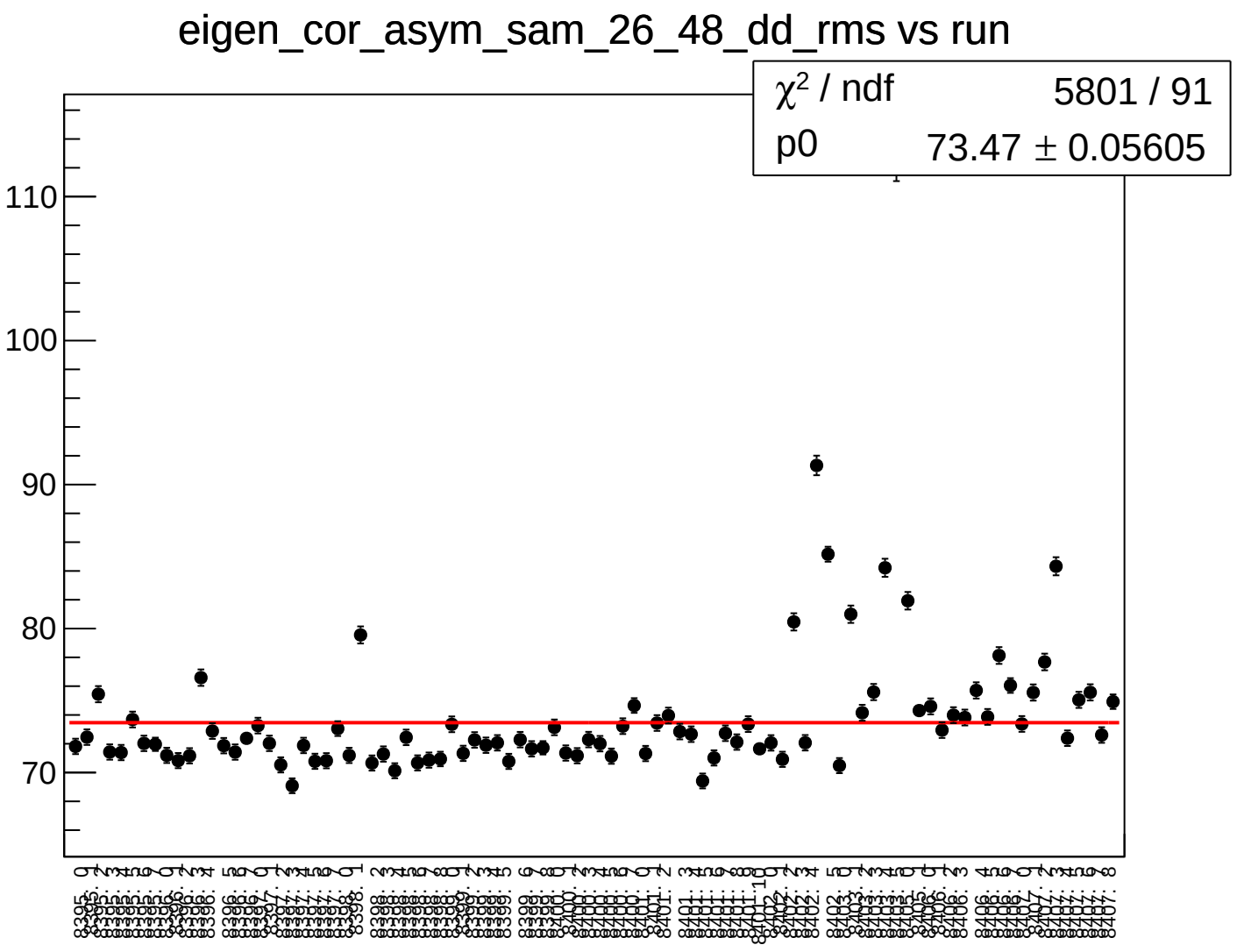

cor_asym_sam_26_48_dd_rms vs run
$\chi^2$ / ndf 5801 / 91
p0 73.47 ± 0.05605
110
100
90
80
70

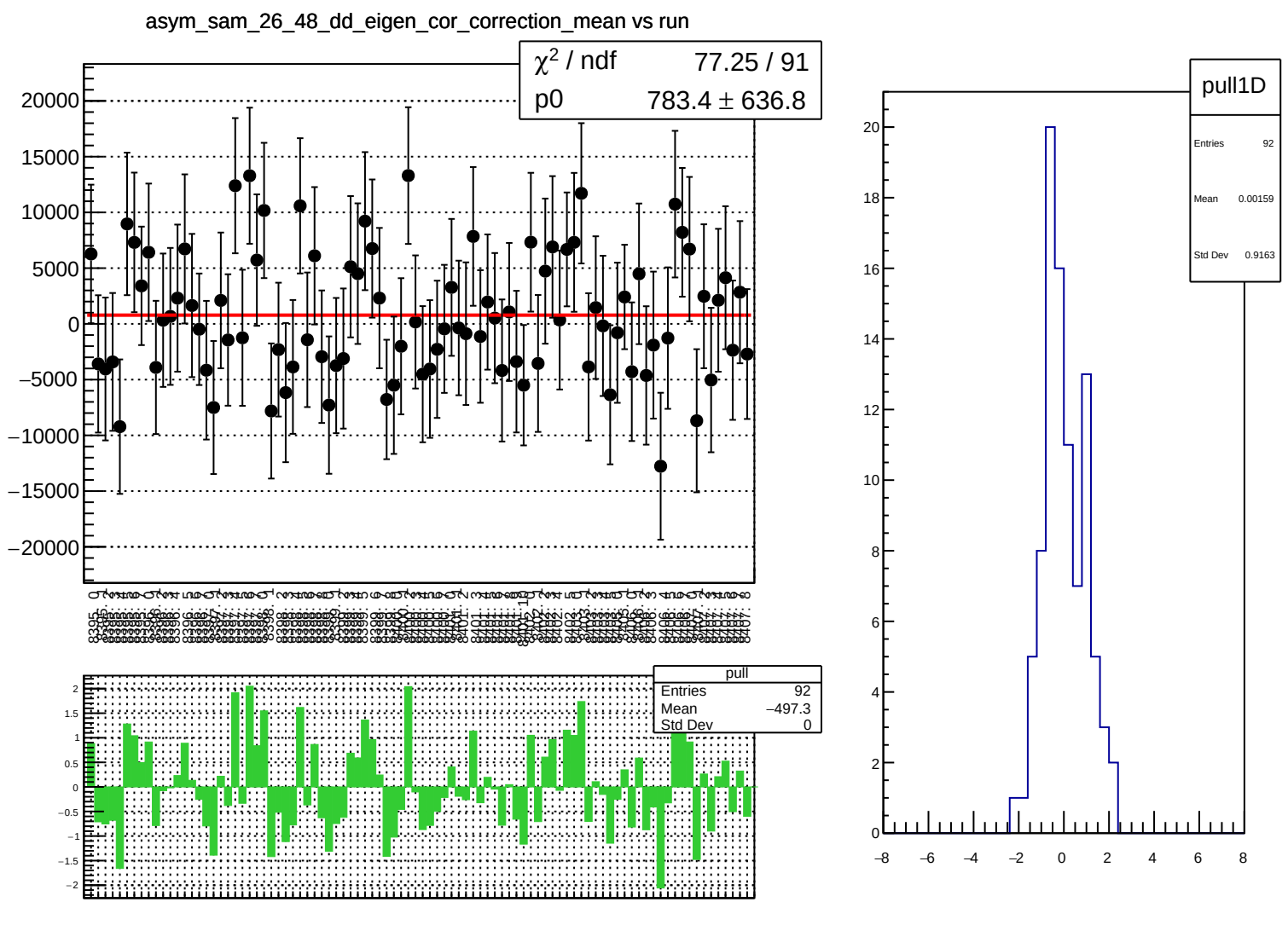

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 77.25 / 91
p0 783.4 ± 636.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean −497.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

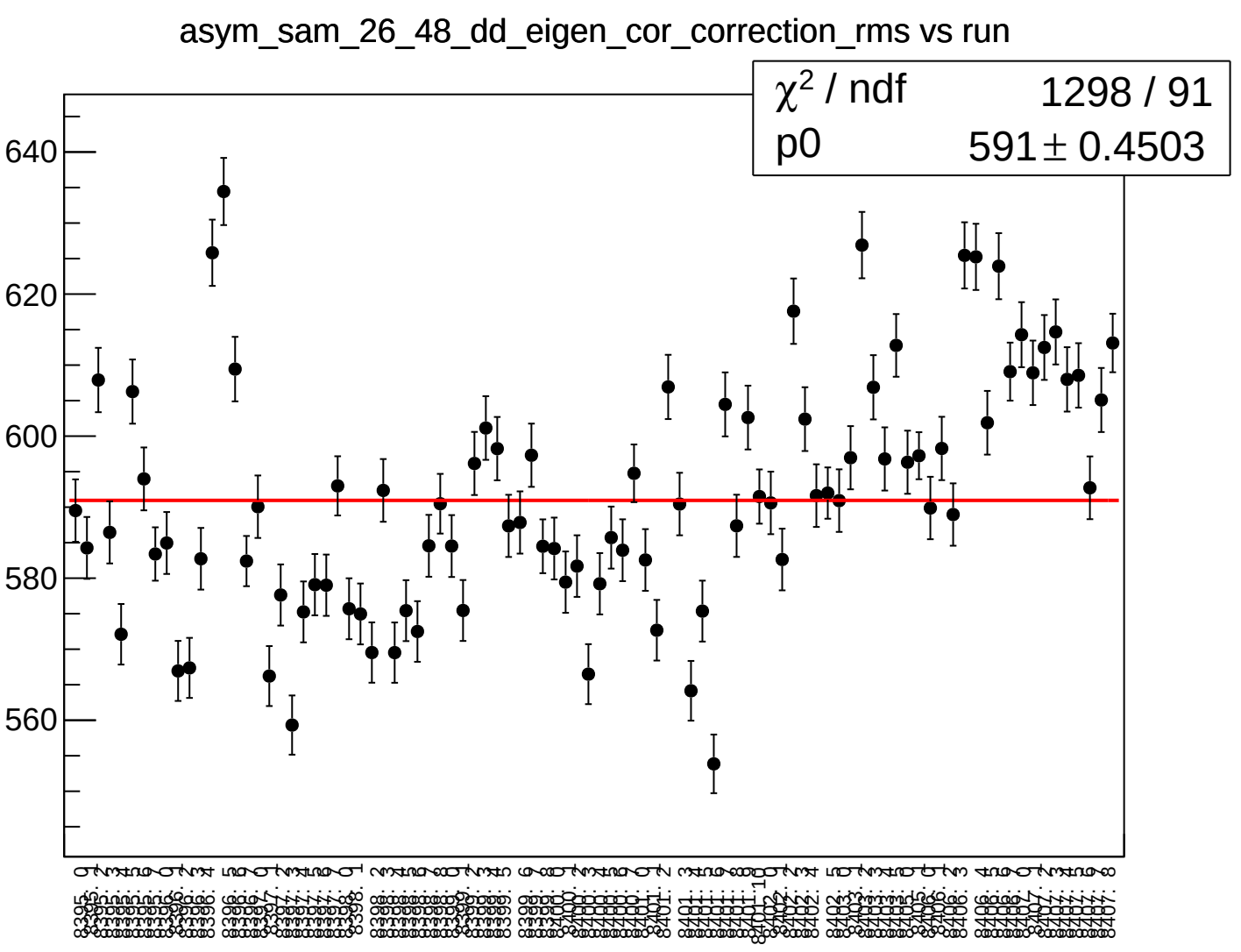

pull1D
Entries 92
Mean 0.00159
Std Dev 0.9163
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

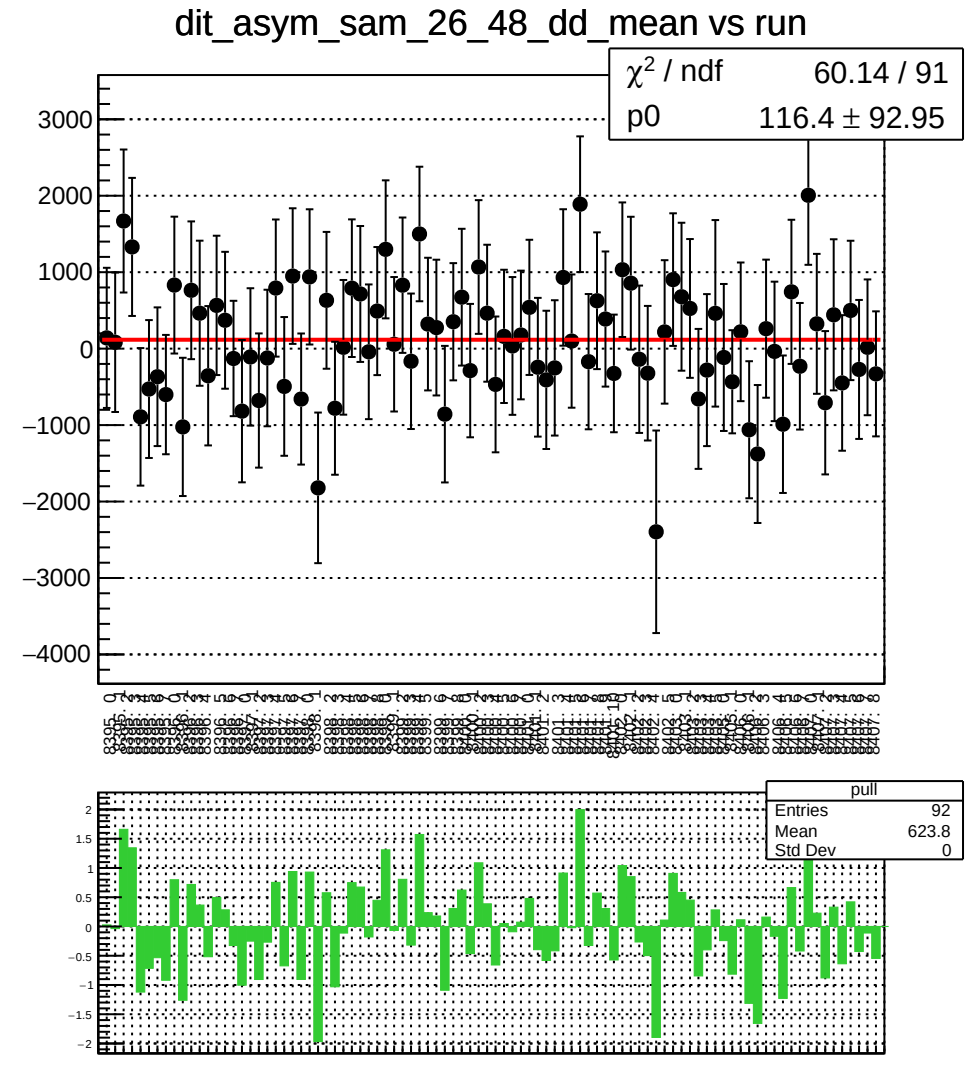

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1298 / 91
p0 591 ± 0.4503
640
620
600
580
560

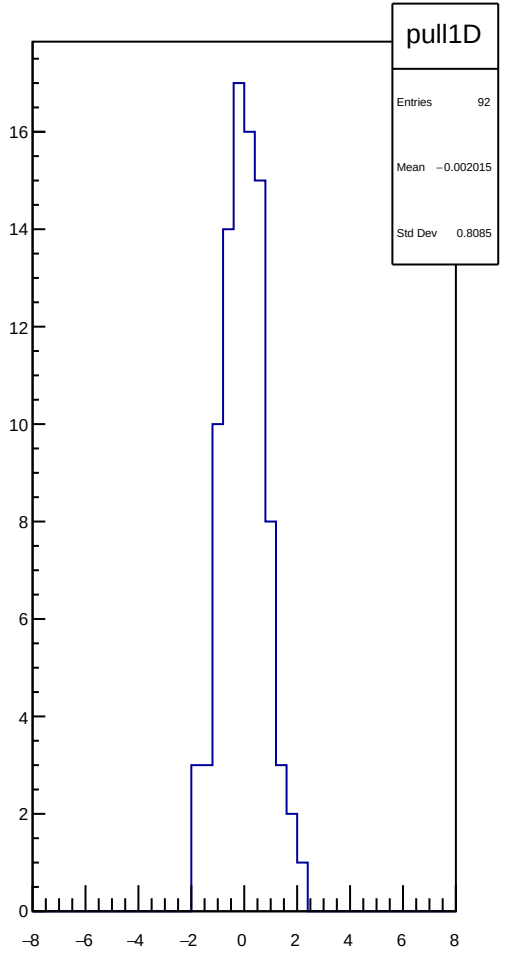

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.44 / 91
p0 40.13 ± 79.27
2000
1000
0
−1000
−2000
pull
Entries 92
Mean 194.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.002193
Std Dev 0.8105
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

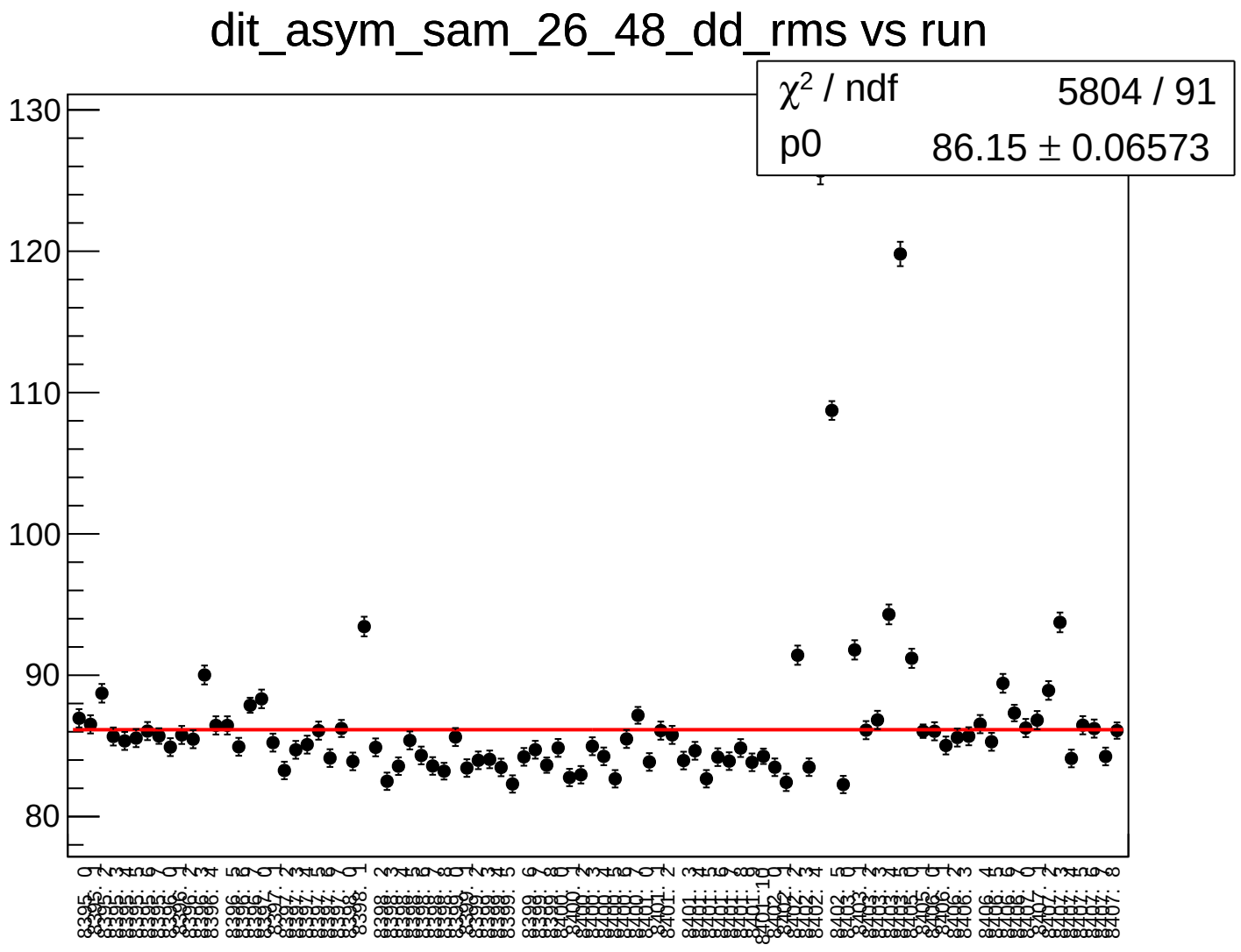

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 5801 / 91
p0 73.47 ± 0.05605
110
100
90
80
70

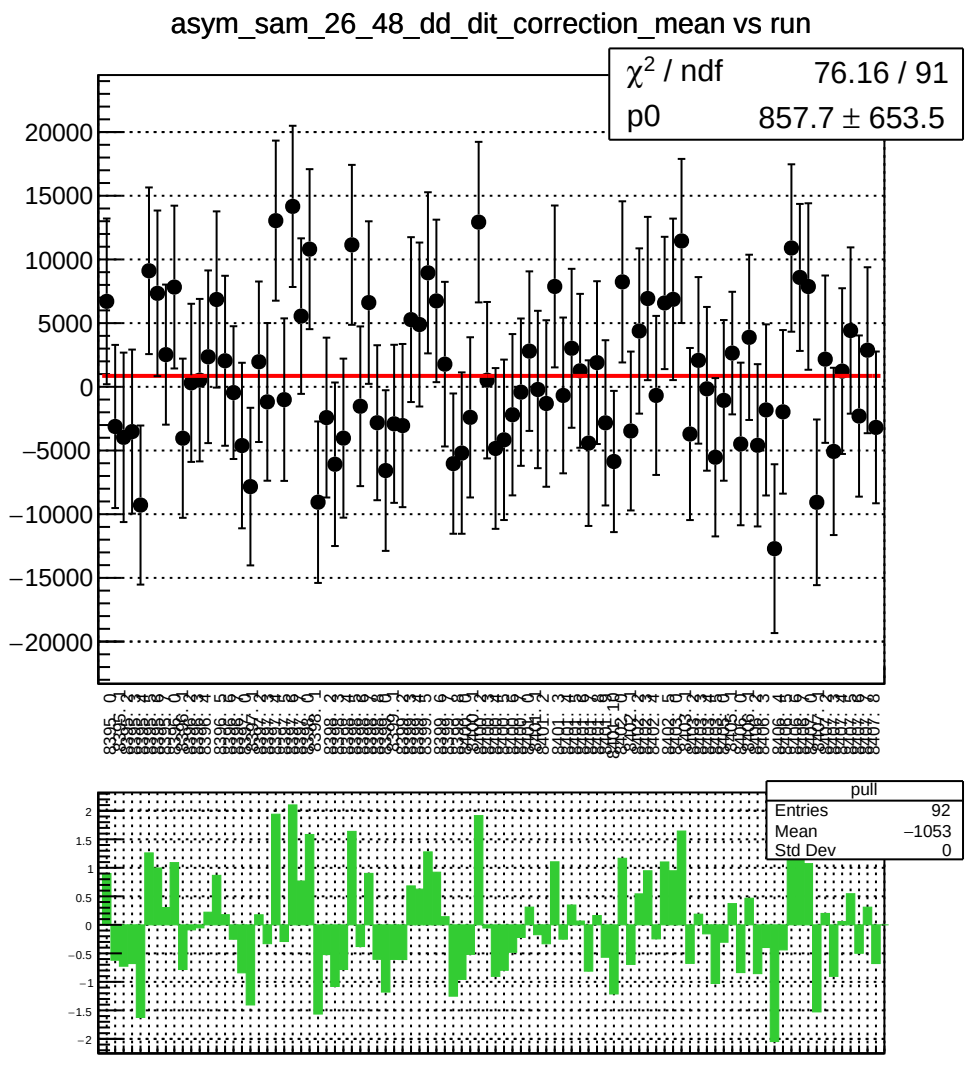

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.25 / 91
p0 783.4 ± 636.8
pull
Entries 92
Mean −497.3
Std Dev 0
pull1D
Entries 92
Mean 0.00159
Std Dev 0.9163

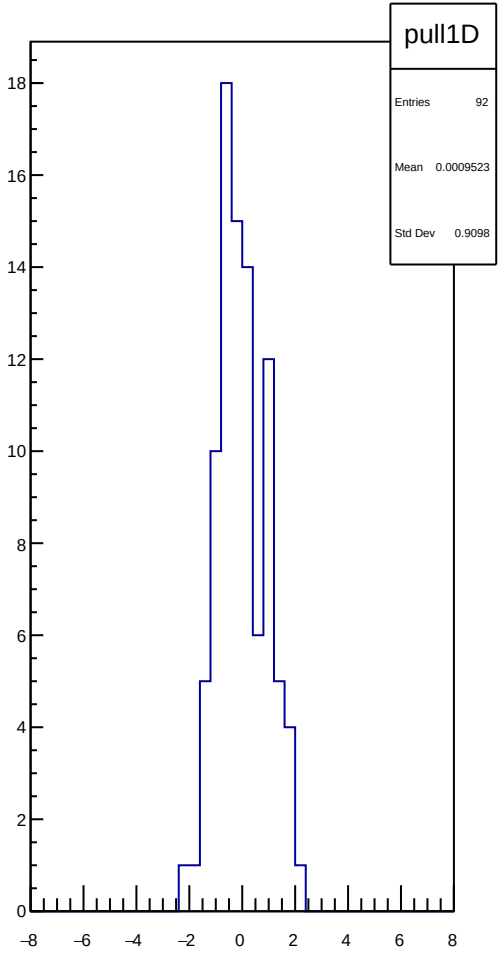

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1298 / 91
p0 591 ± 0.4503
640
620
600
580
560

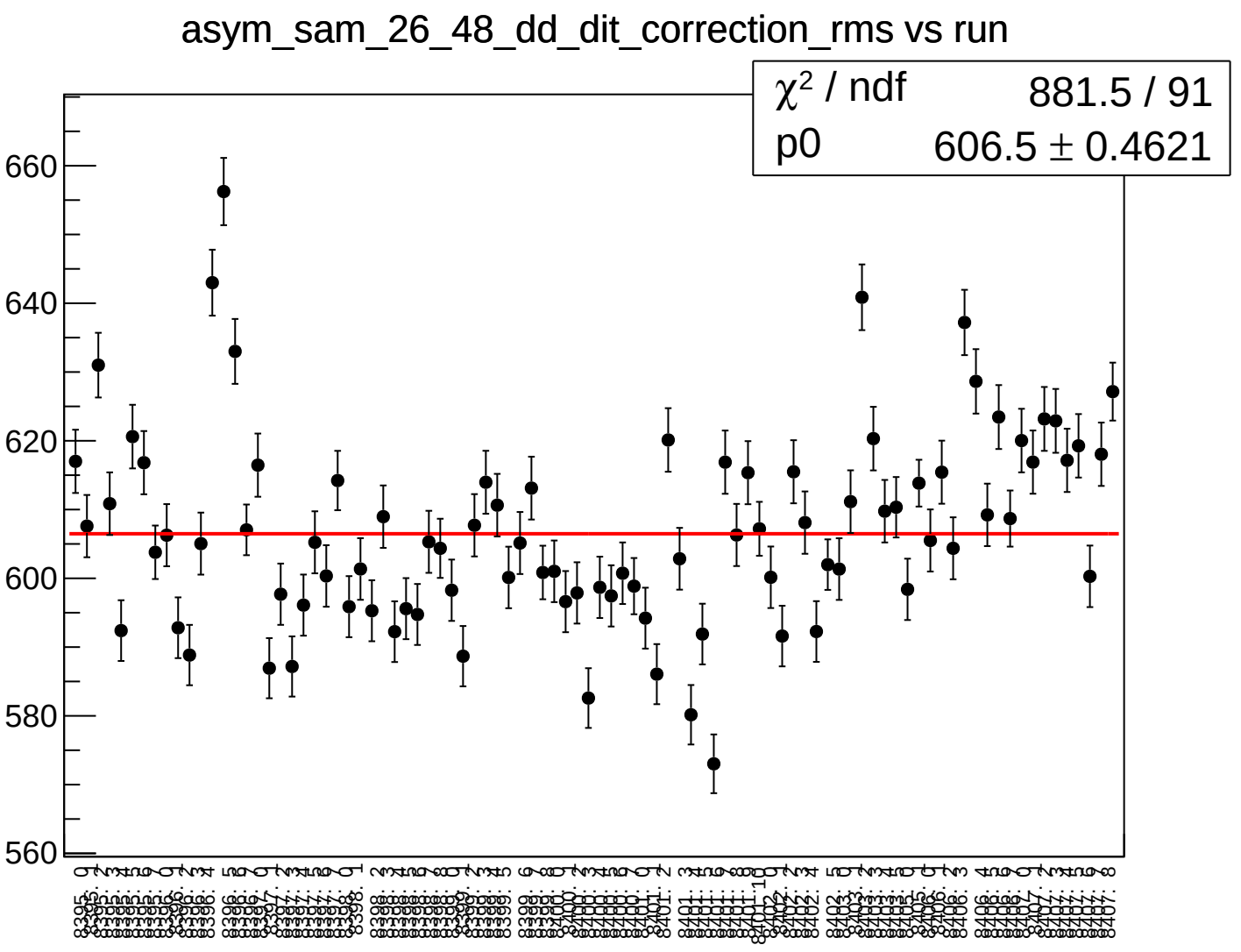

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.14 / 91
p0 116.4 ± 92.95
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean 623.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

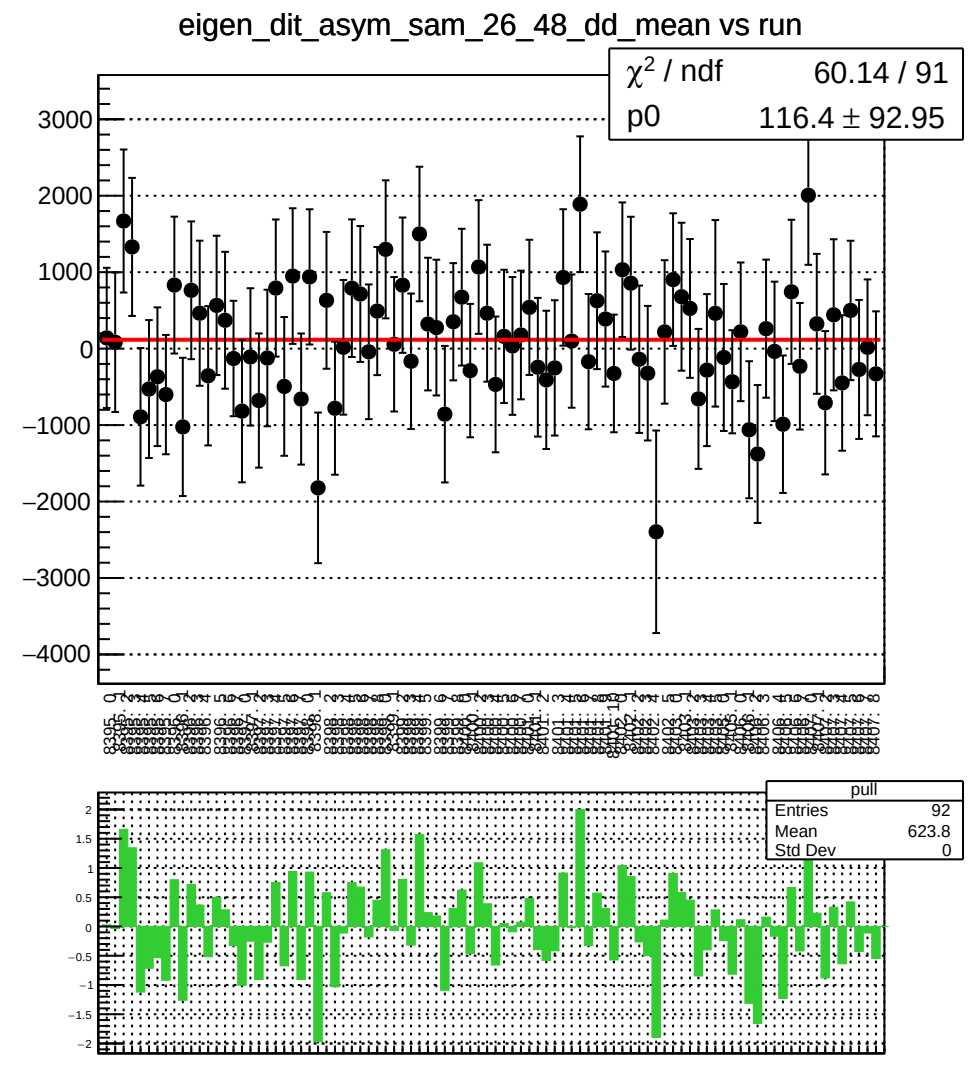

pull1D
Entries 92
Mean −0.002015
Std Dev 0.8085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

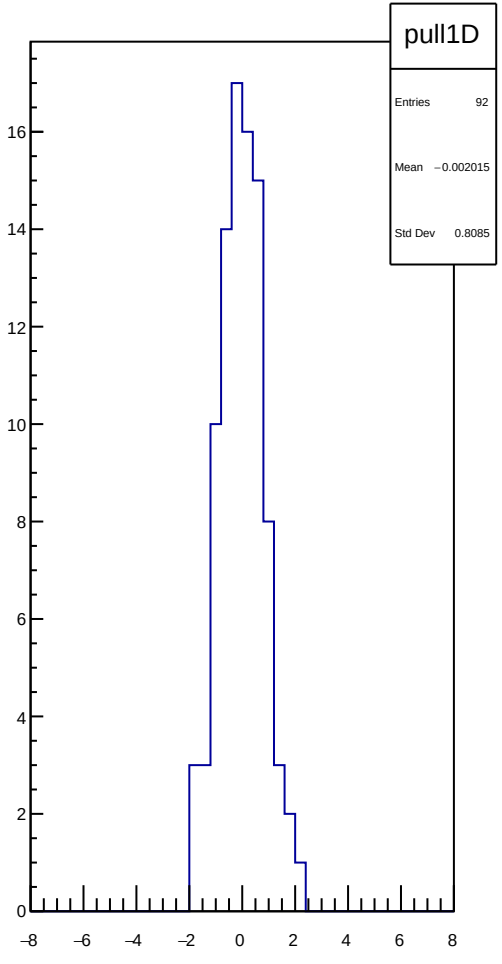

dit_asym_sam_26_48_dd_rms vs run
$\chi^2$ / ndf 5804 / 91
p0 86.15 ± 0.06573
130
120
110
100
90
80

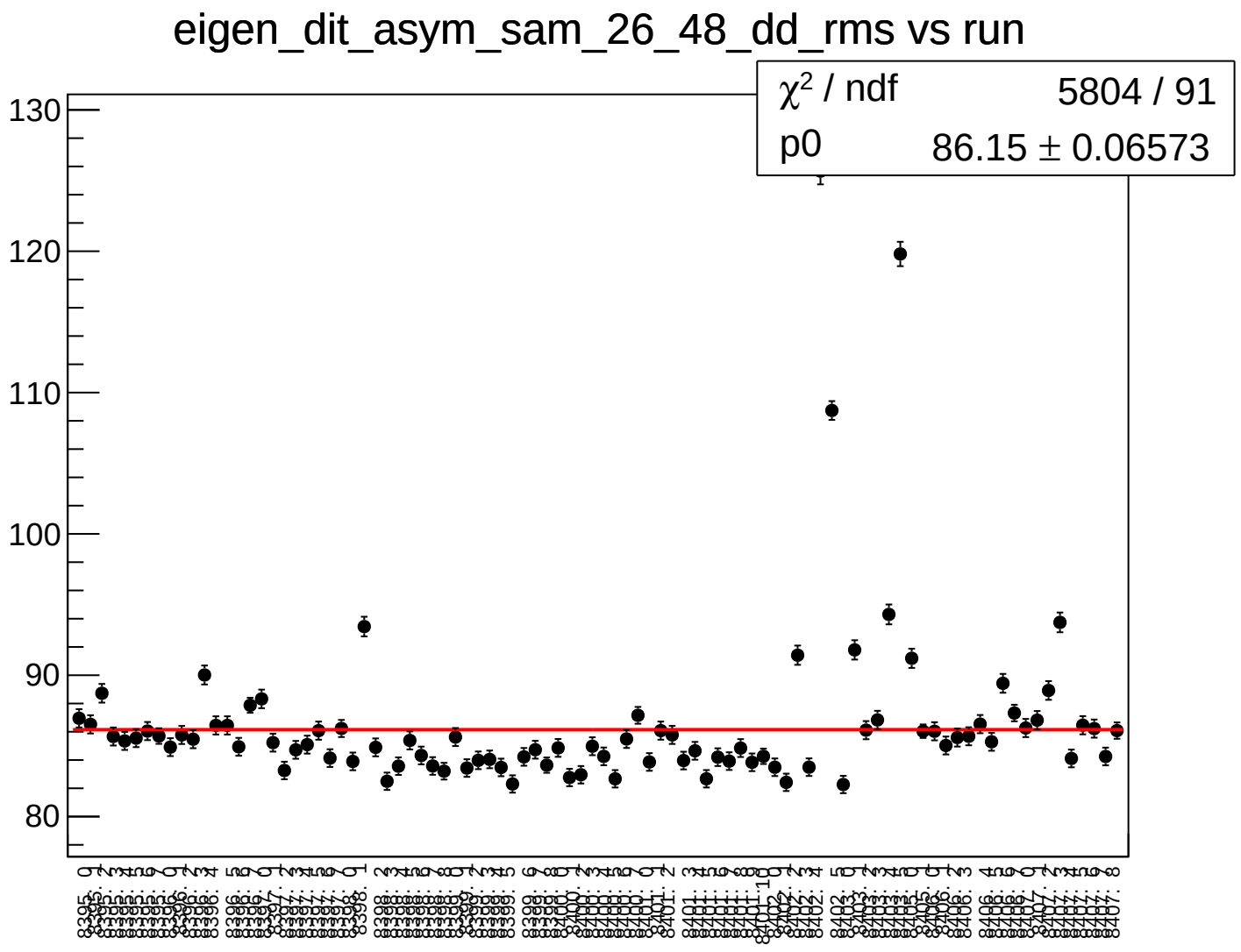

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 76.16 / 91
p0 857.7 ± 653.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean −1053
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

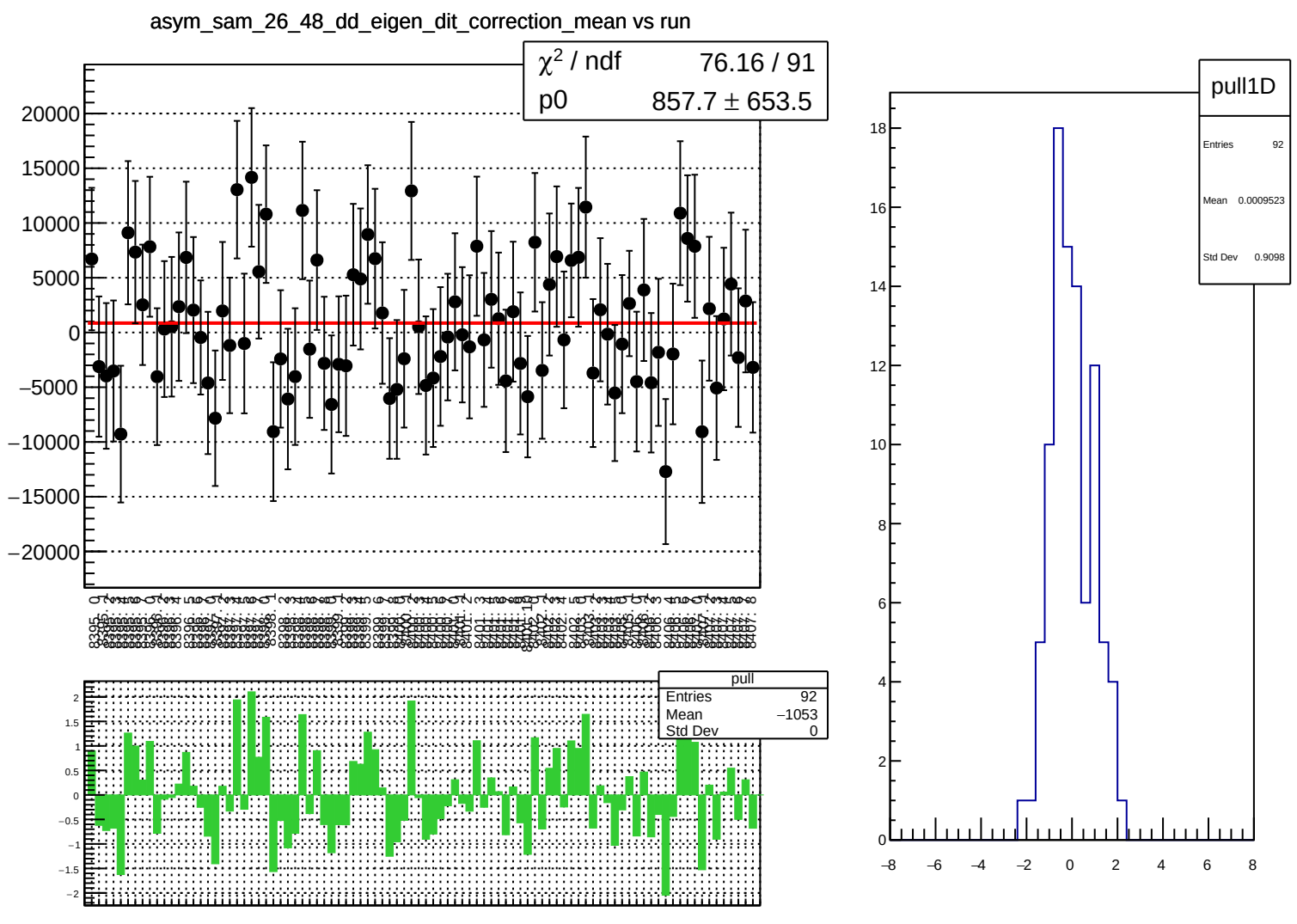

pull1D
Entries 92
Mean 0.0009523
Std Dev 0.9098
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

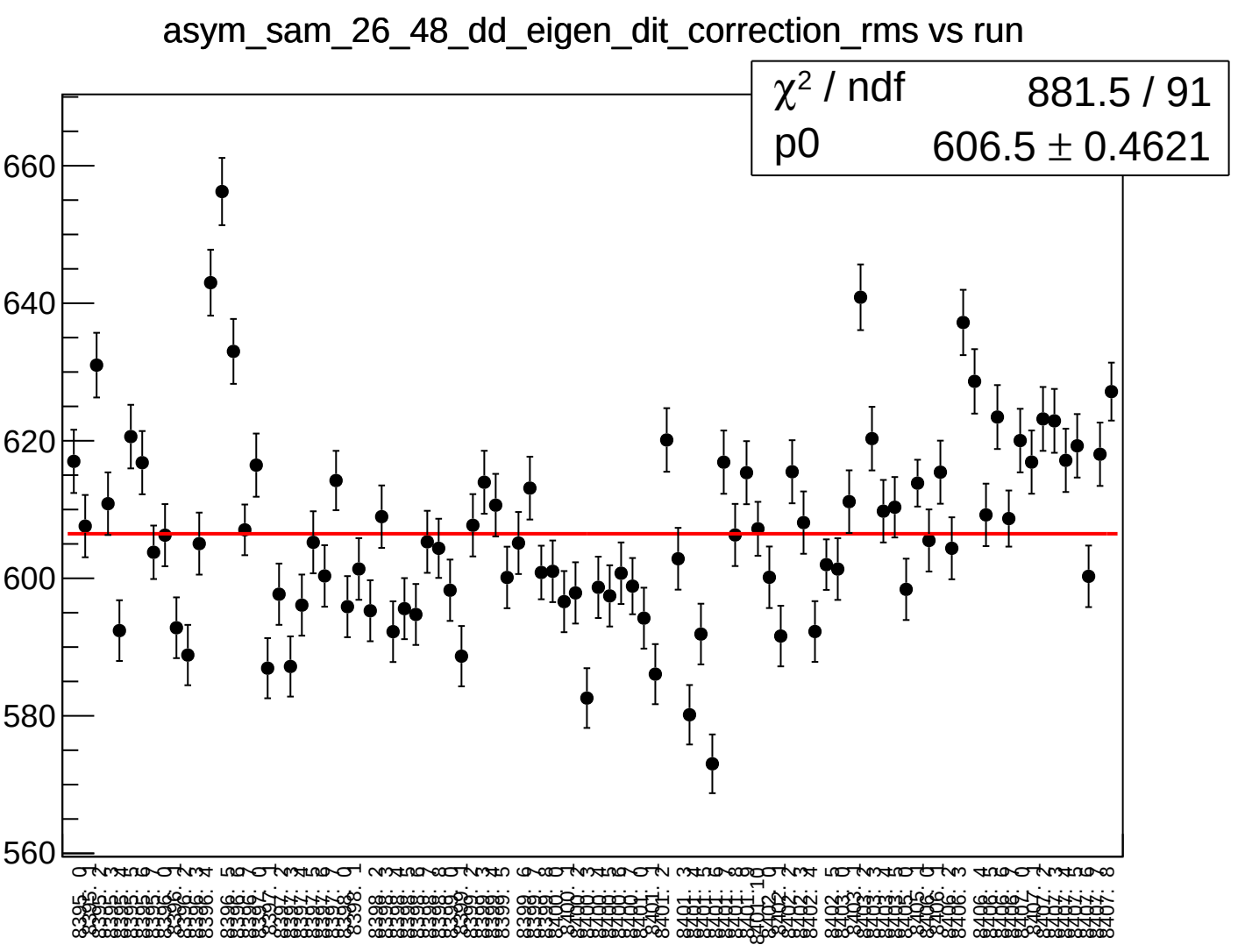

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 881.5 / 91
p0 606.5 ± 0.4621
660
640
620
600
580
560

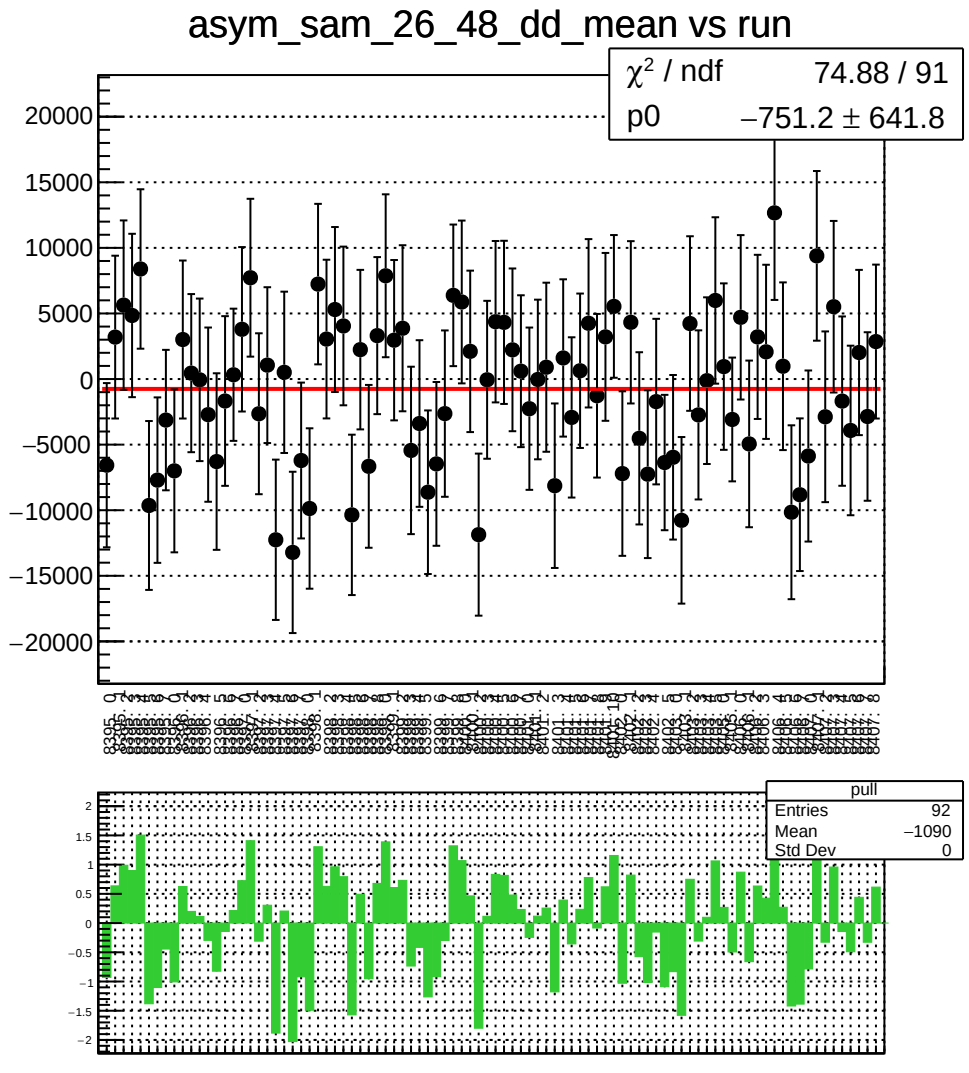

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 60.14 / 91
p0 116.4 ± 92.95
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean 623.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

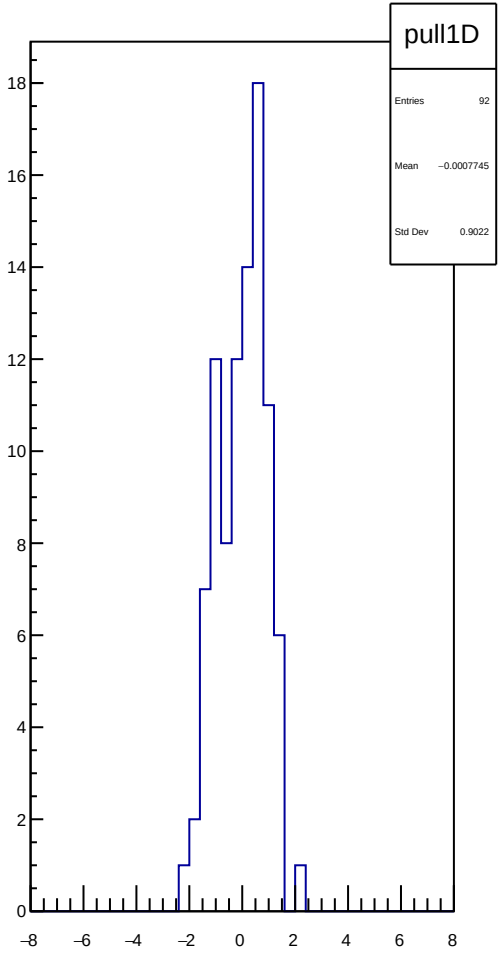

pull1D
Entries 92
Mean −0.002015
Std Dev 0.8085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

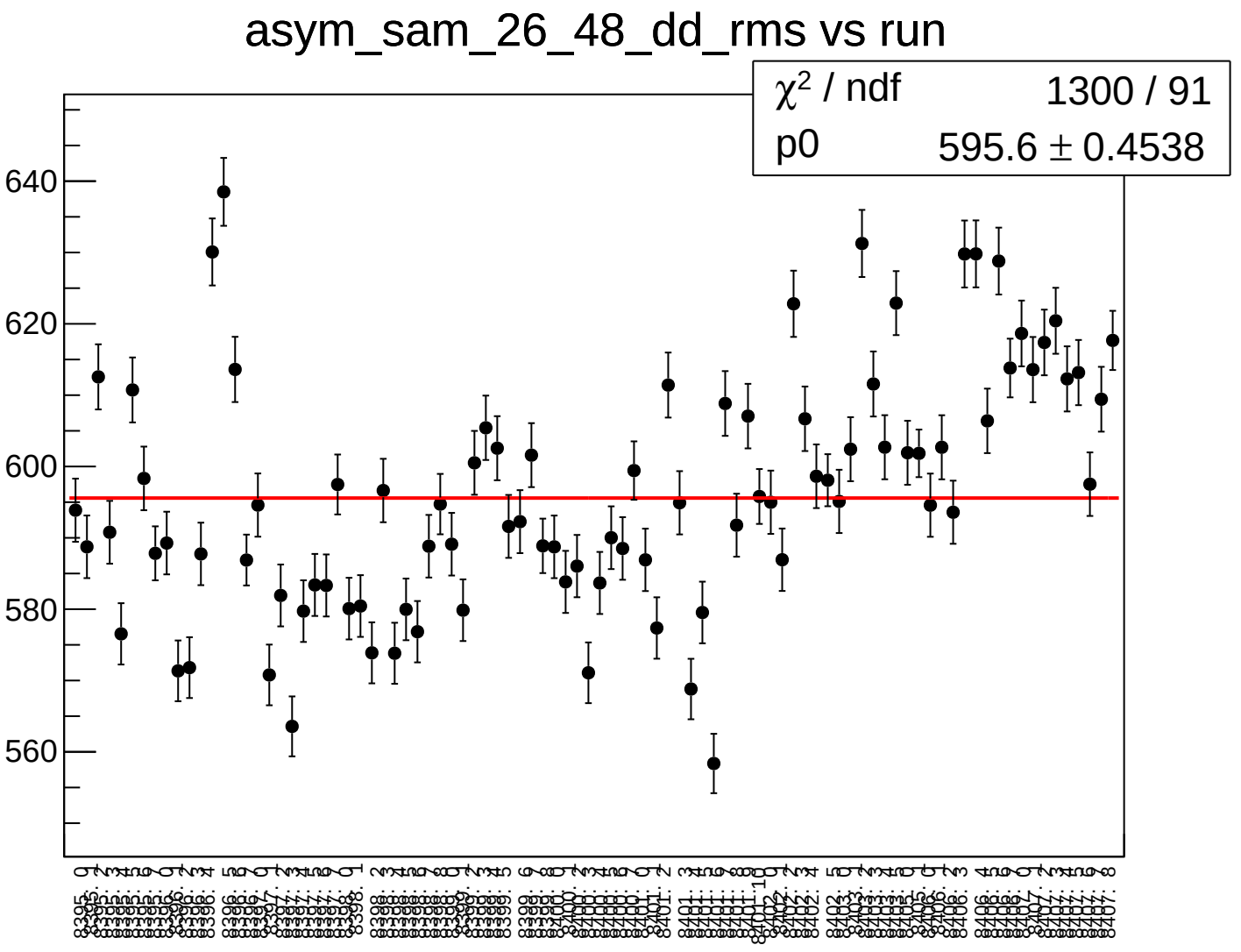

eigen_dit_asym_sam_26_48_dd_rms vs run
$\chi^2$ / ndf 5804 / 91
p0 86.15 ± 0.06573
130
120
110
100
90
80

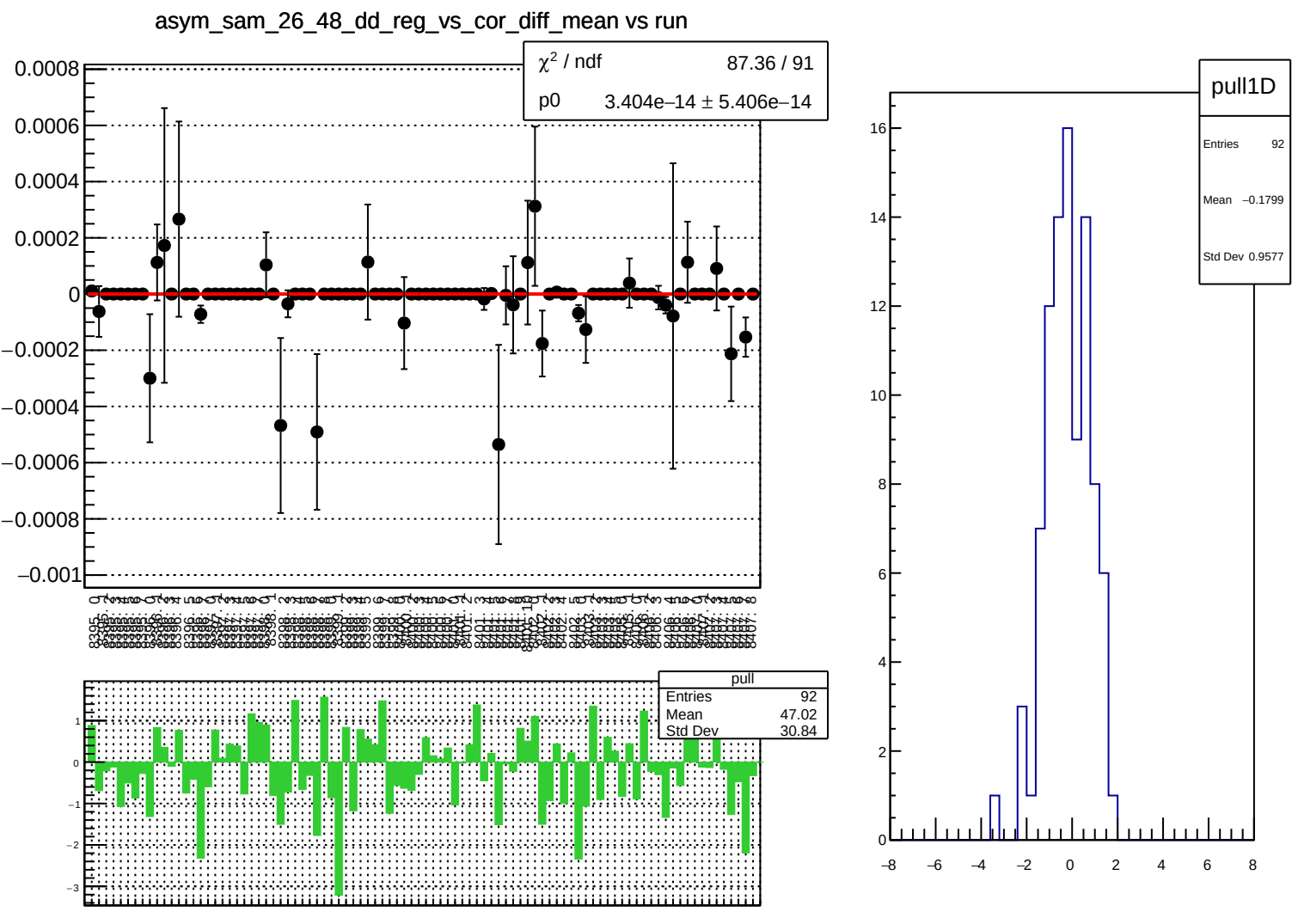

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.16 / 91
p0 857.7 ± 653.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 92
Mean −1053
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.0009523
Std Dev 0.9098
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

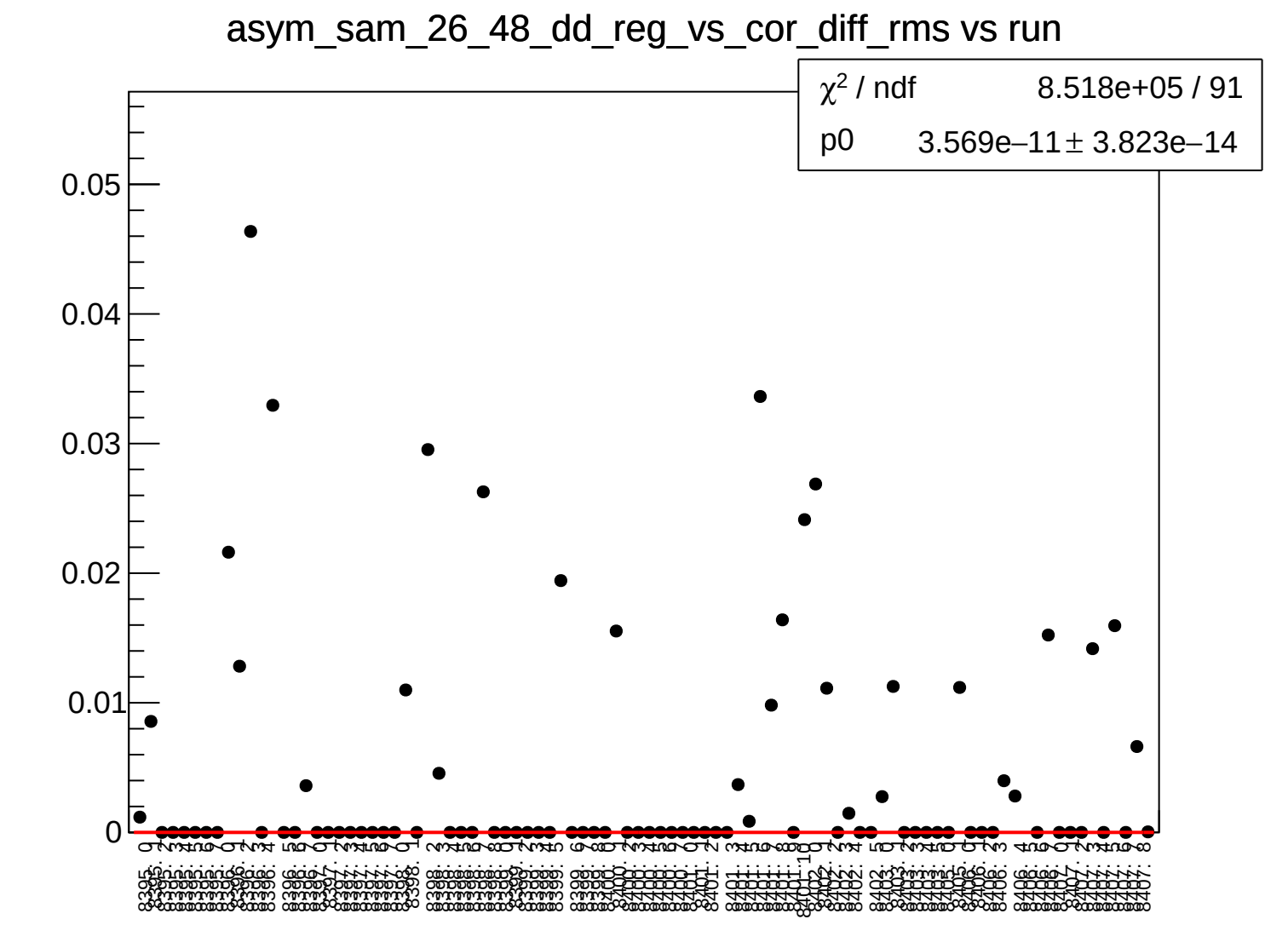

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 881.5 / 91
p0 606.5 ± 0.4621
660
640
620
600
580
560

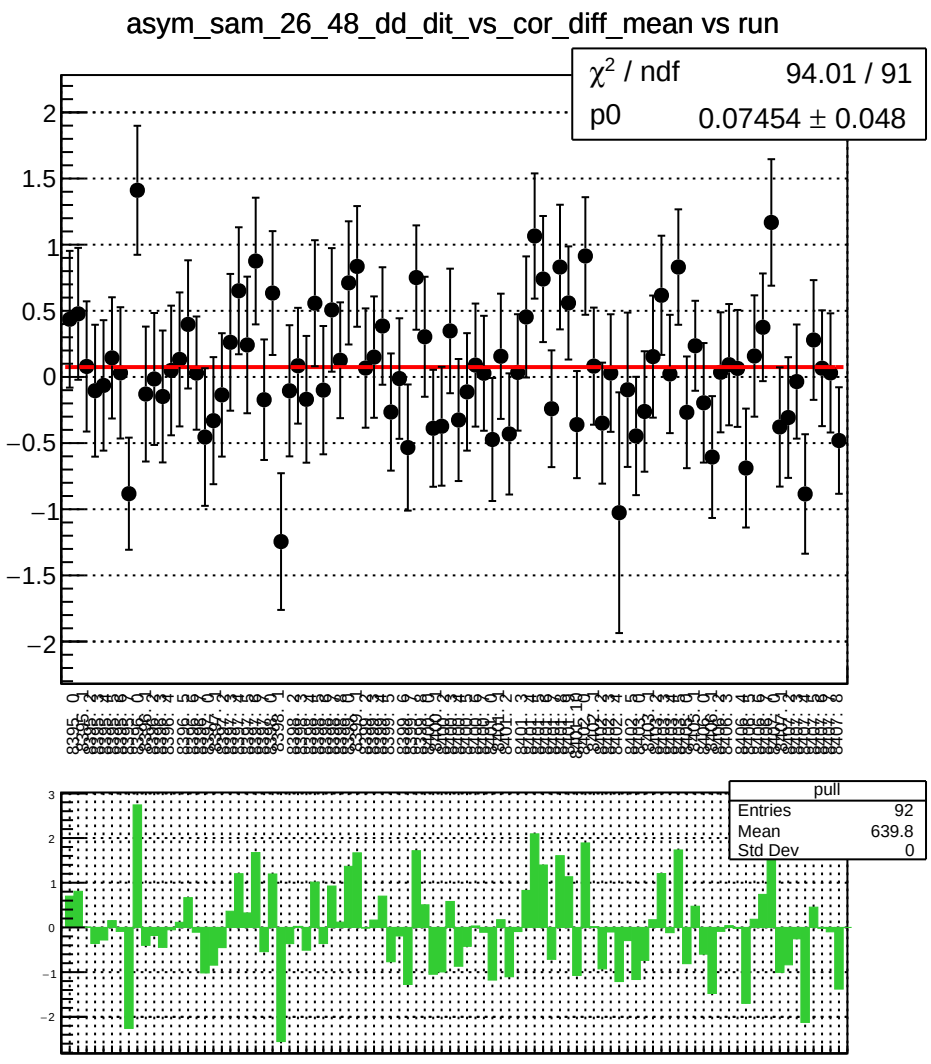

asym_sam_26_48_dd_mean vs run
χ² / ndf 74.88 / 91
p0 −751.2 ± 641.8
pull
Entries 92
Mean −1090
Std Dev 0

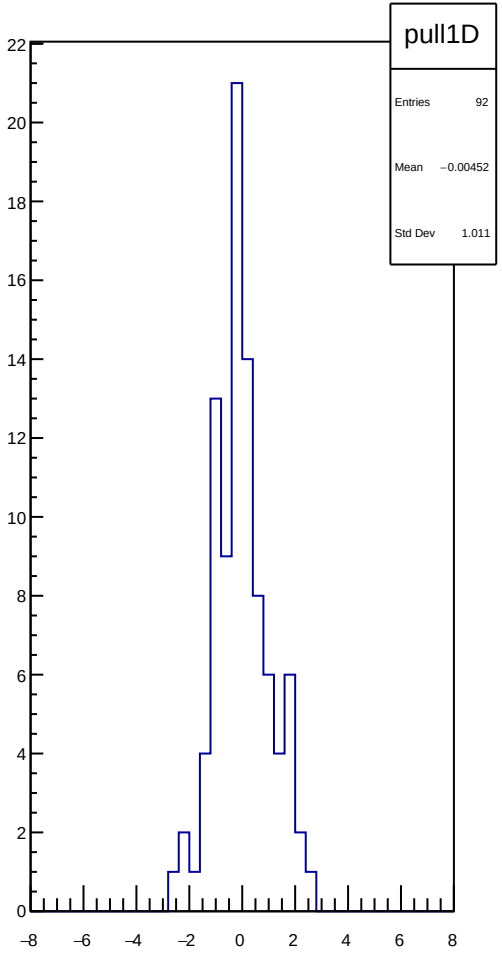

pull1D
Entries 92
Mean −0.0007745
Std Dev 0.9022

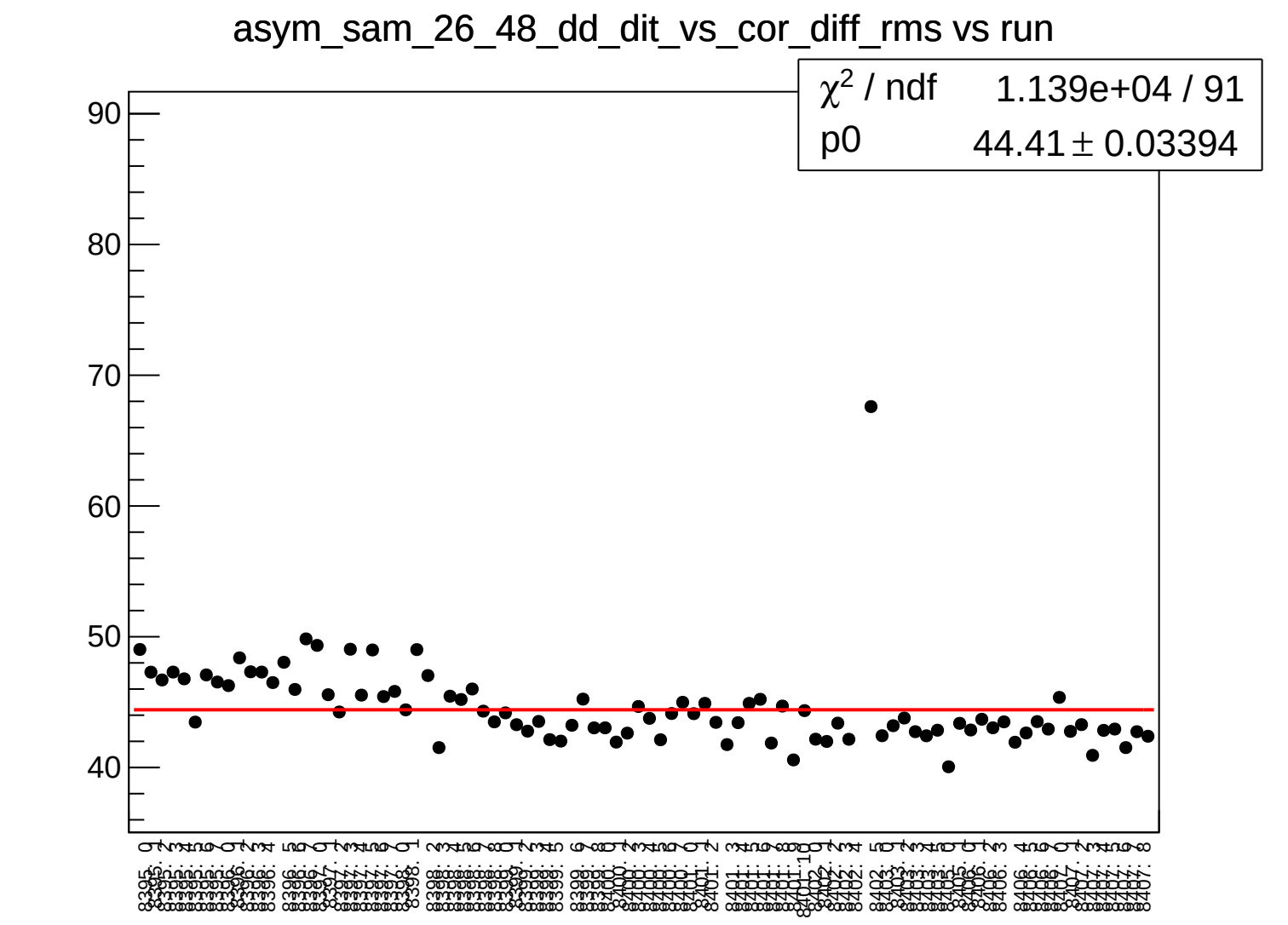

asym_sam_26_48_dd_rms vs run
χ² / ndf 1300 / 91
p0 595.6 ± 0.4538
640
620
600
580
560

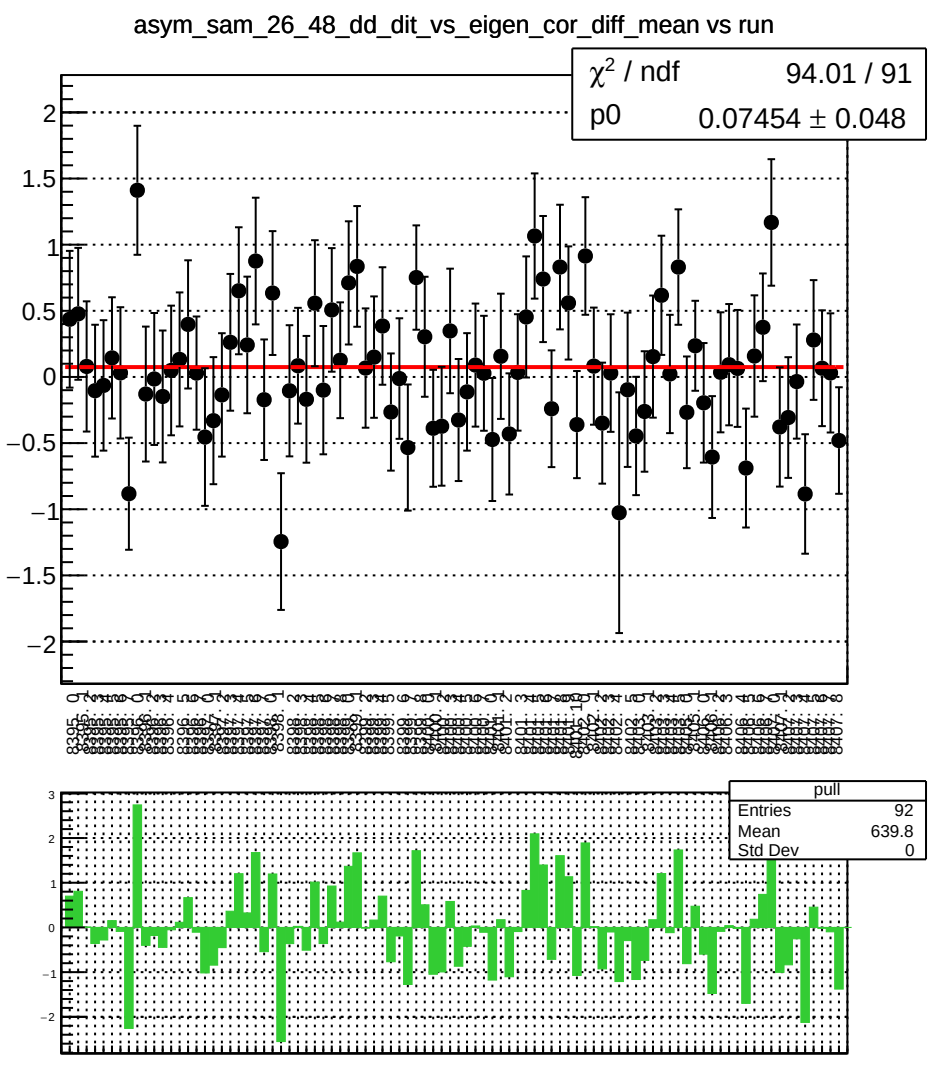

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 87.36 / 91
p0 3.404e−14 ± 5.406e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 92
Mean 47.02
Std Dev 30.84
pull1D
Entries 92
Mean −0.1799
Std Dev 0.9577

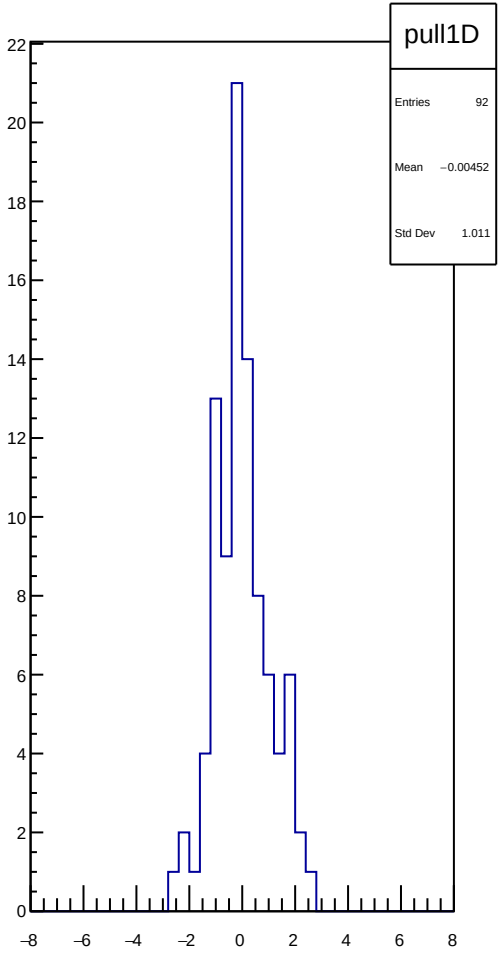

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.518e+05 / 91
p0 3.569e−11 ± 3.823e−14
0.05
0.04
0.03
0.02
0.01
0

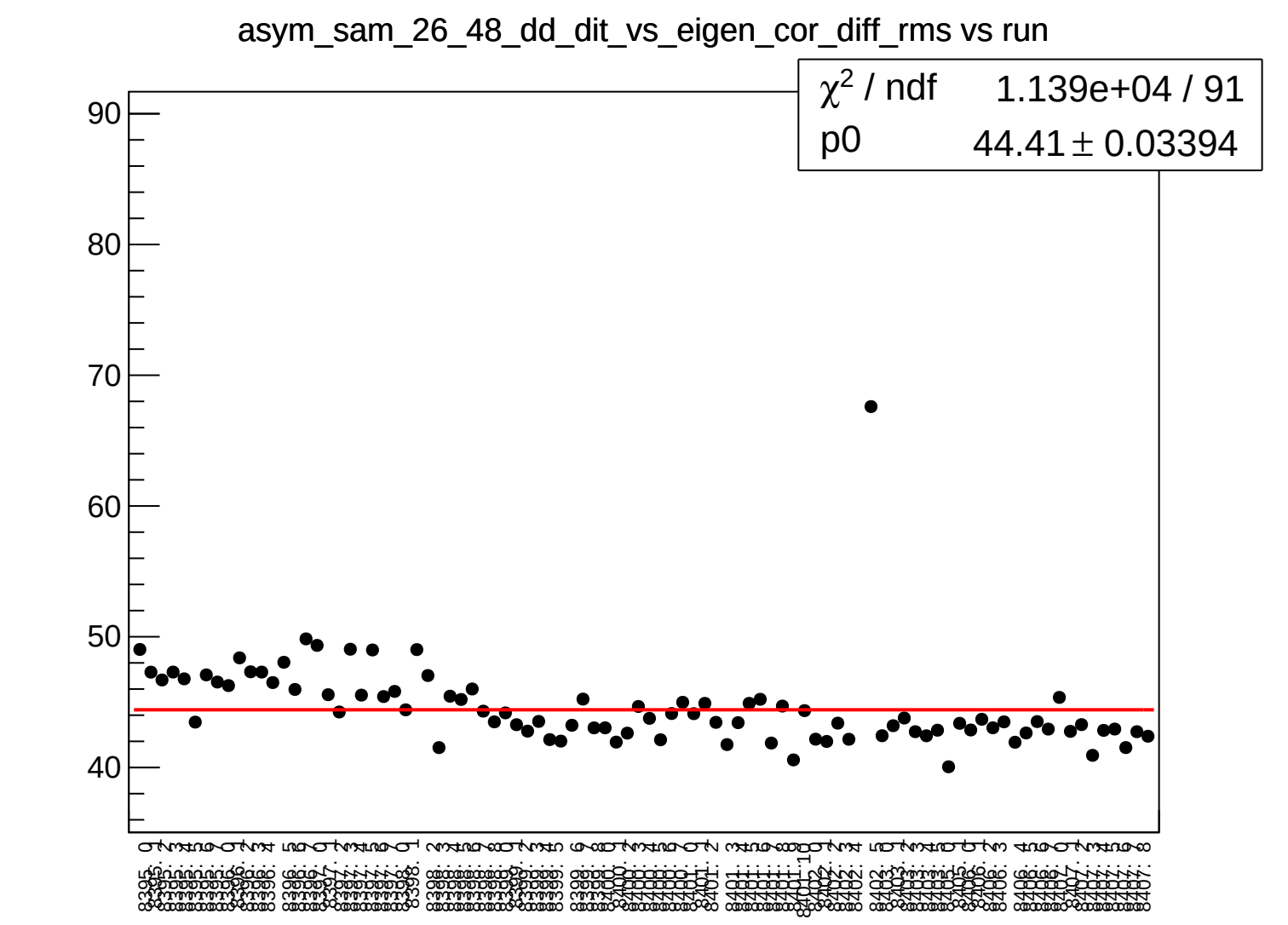

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 94.01 / 91
p0 0.07454 ± 0.048
pull
Entries 92
Mean 639.8
Std Dev 0

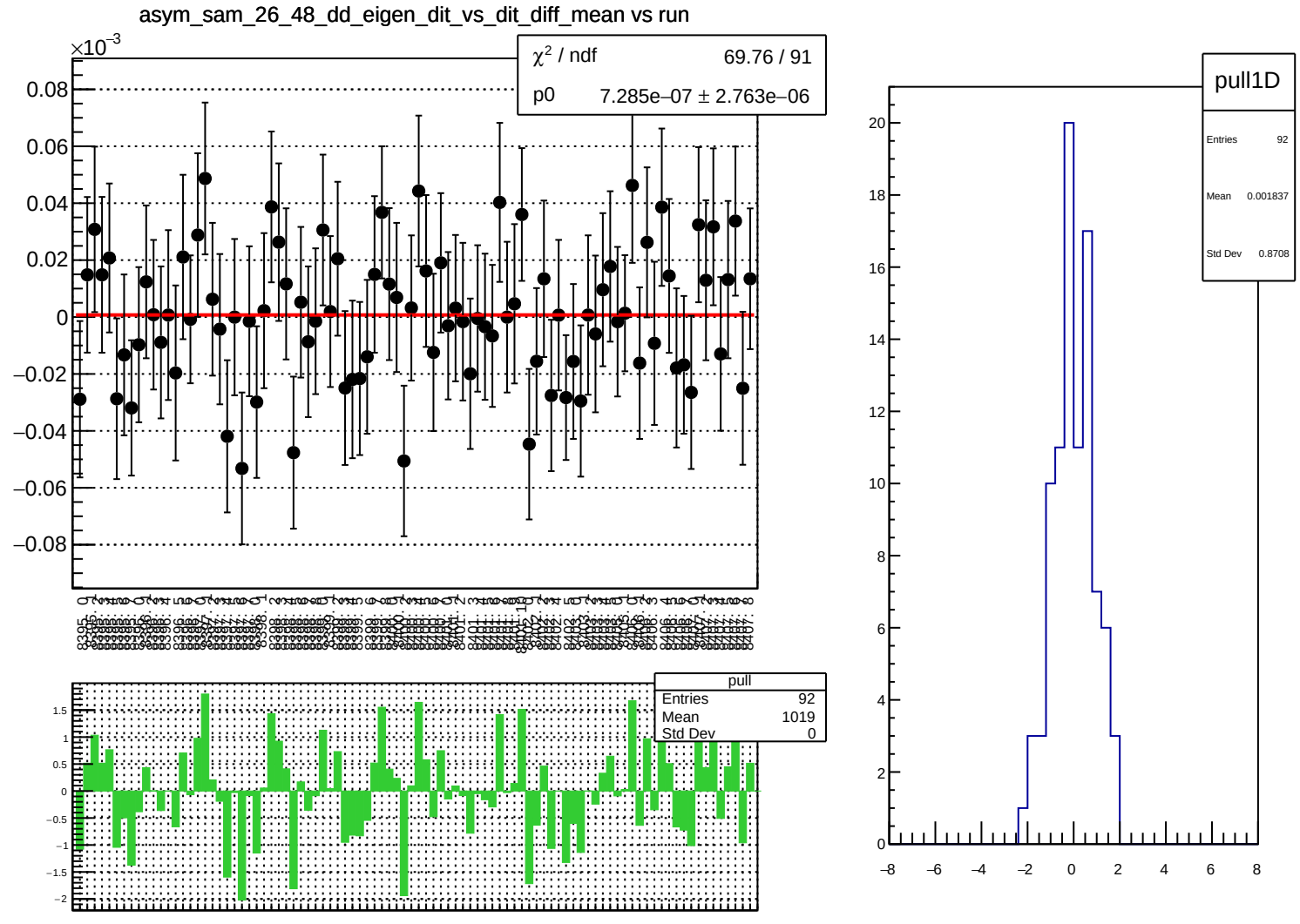

pull1D
Entries 92
Mean −0.00452
Std Dev 1.011

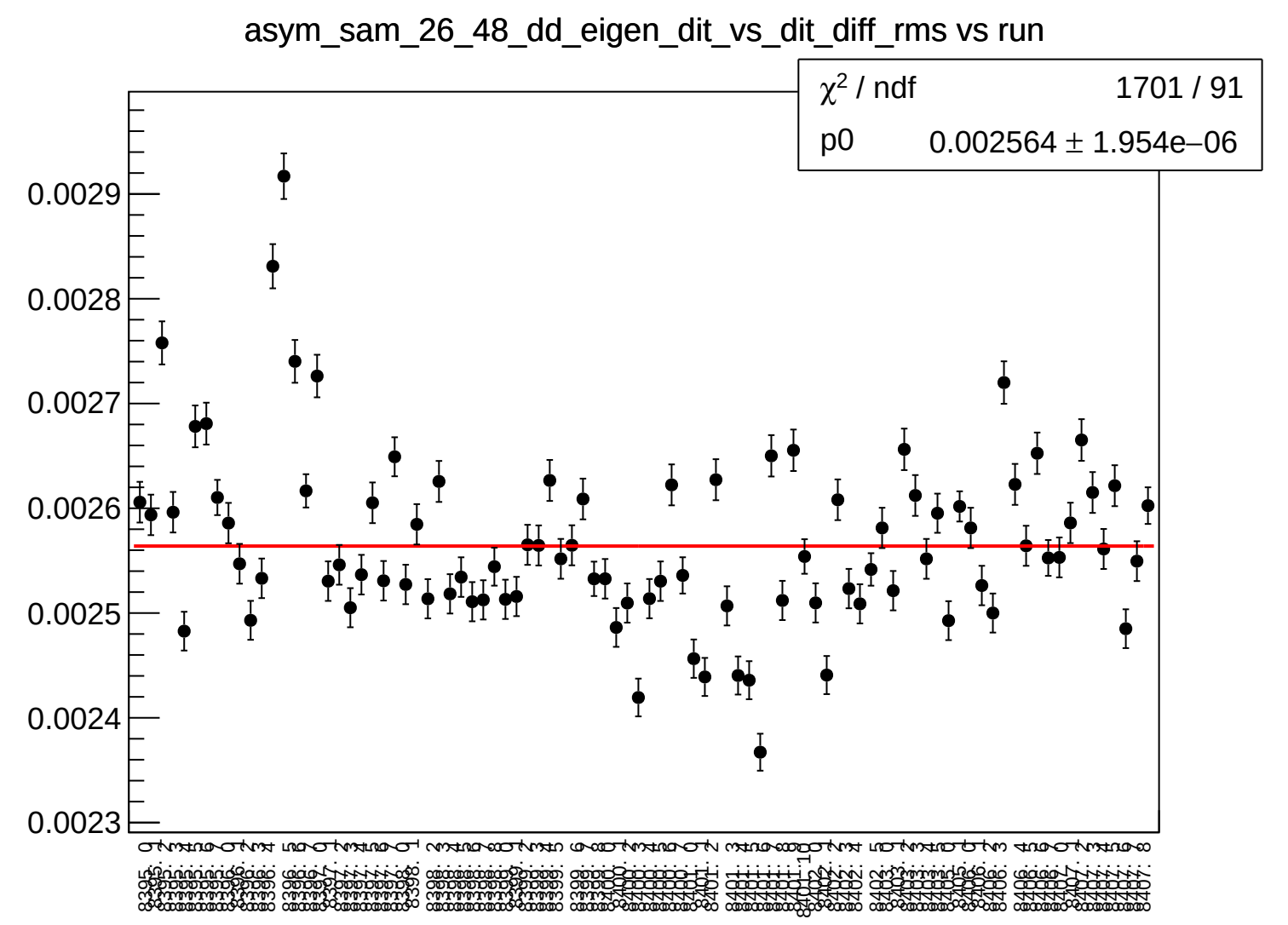

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.139e+04 / 91
p0 44.41 ± 0.03394
90
80
70
60
50
40

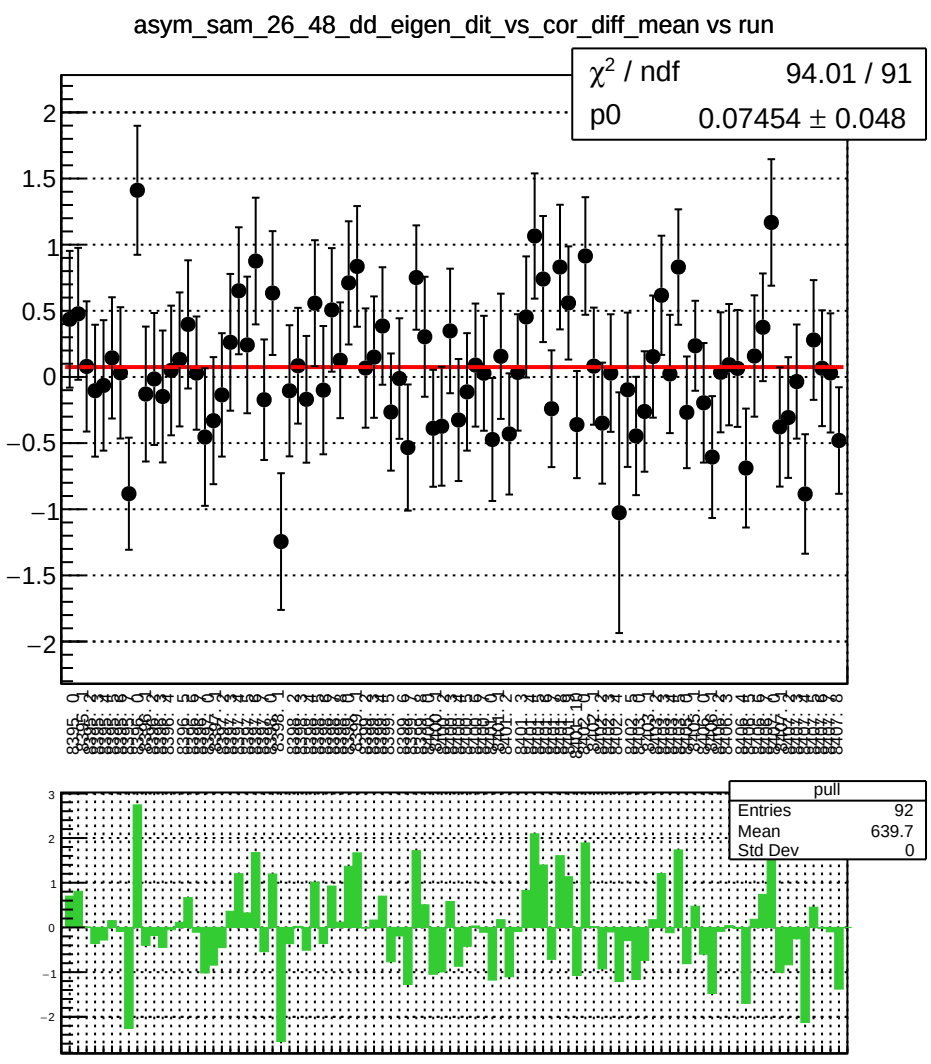

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.01 / 91
p0 0.07454 ± 0.048
pull
Entries 92
Mean 639.8
Std Dev 0

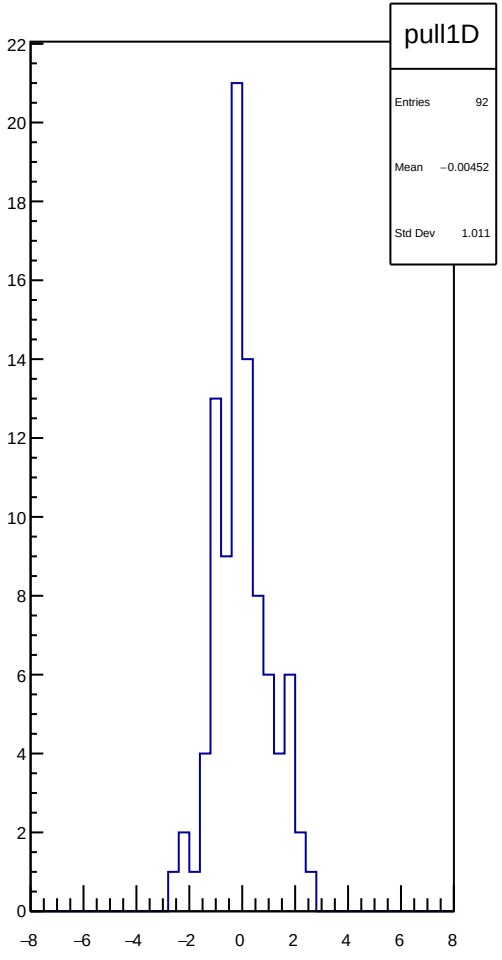

pull1D
Entries 92
Mean −0.00452
Std Dev 1.011

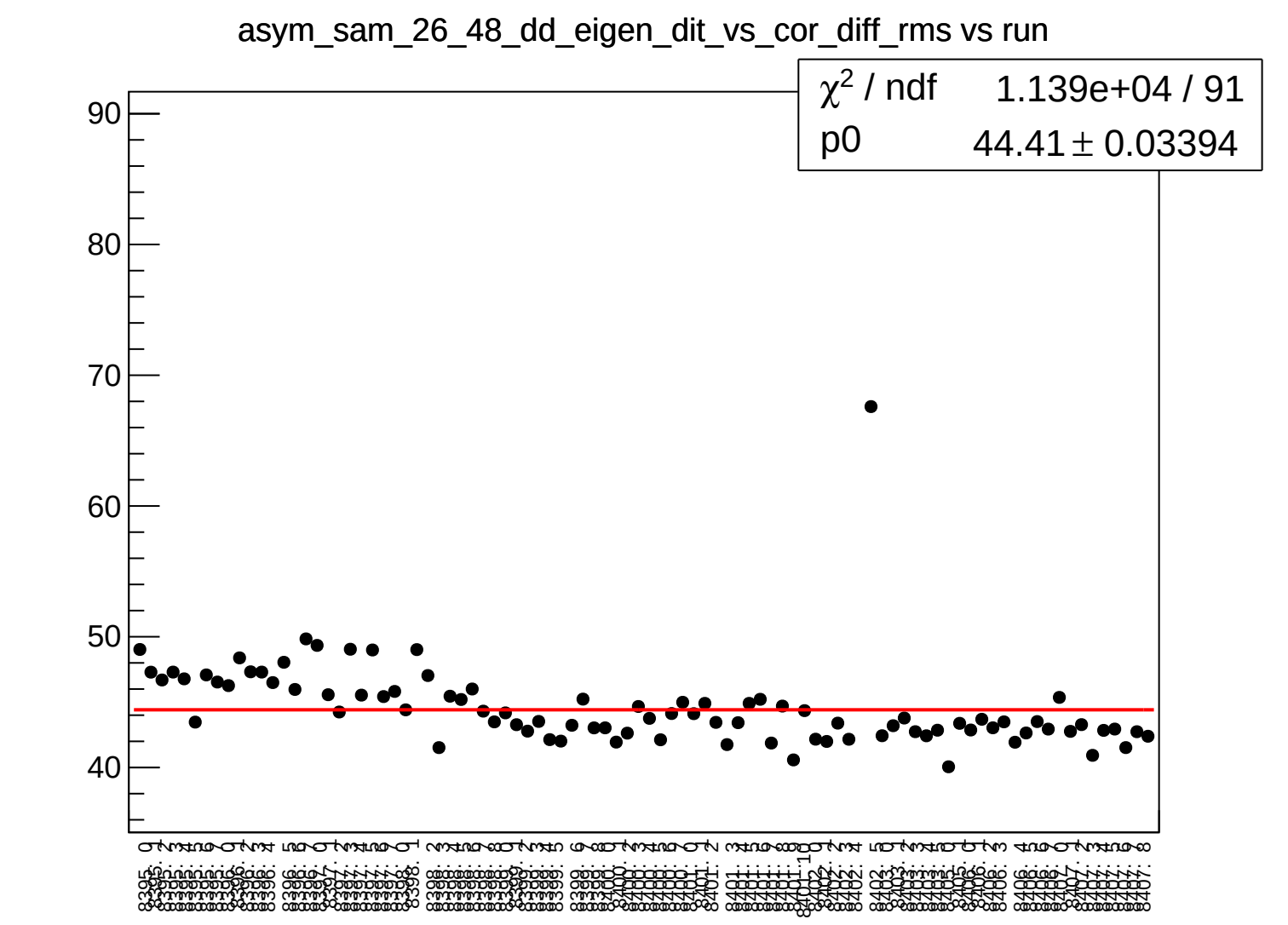

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.139e+04 / 91
p0 44.41 ± 0.03394
90
80
70
60
50
40

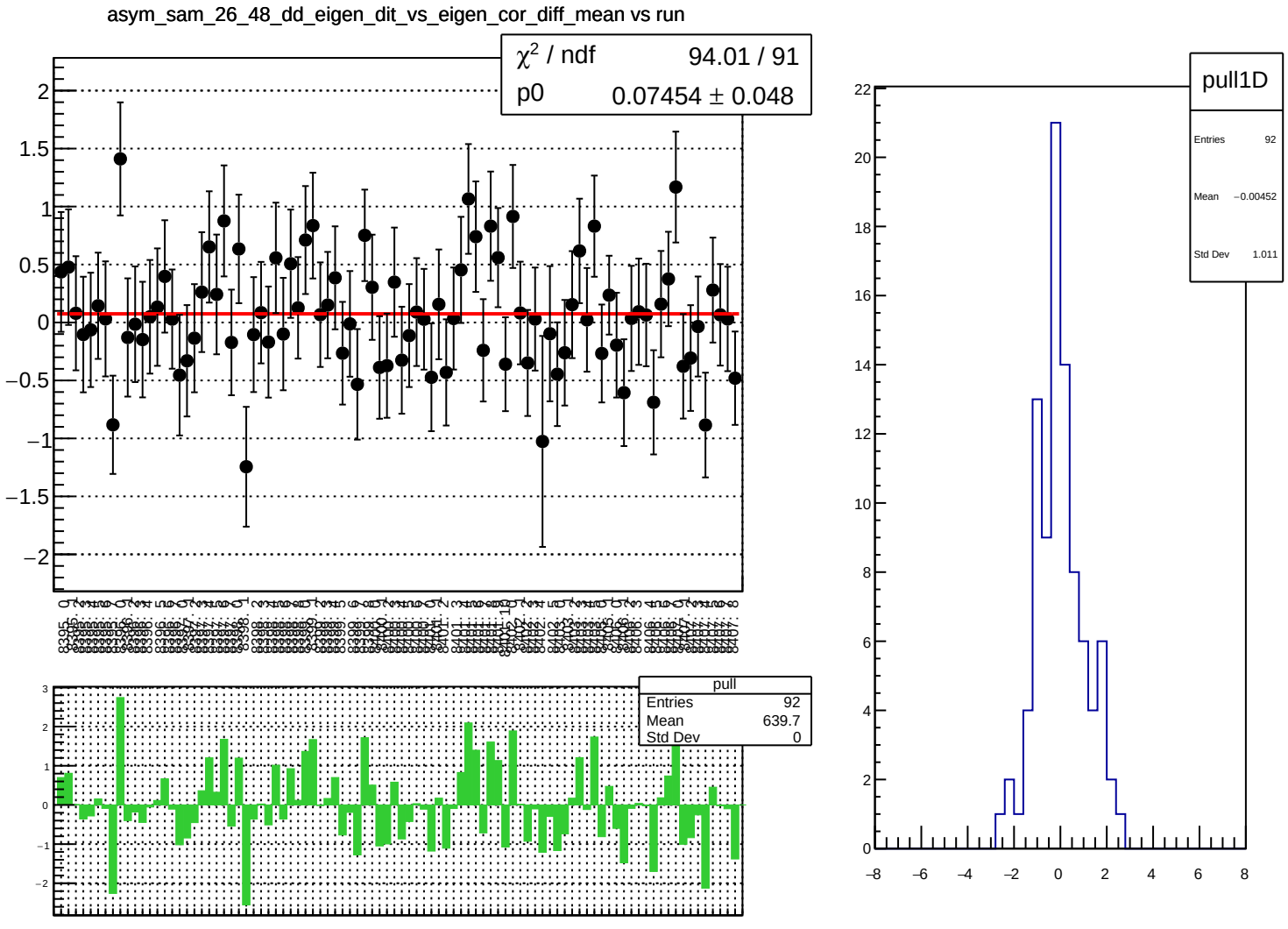

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.76 / 91
p0 7.285e−07 ± 2.763e−06
pull
Entries 92
Mean 1019
Std Dev 0
pull1D
Entries 92
Mean 0.001837
Std Dev 0.8708

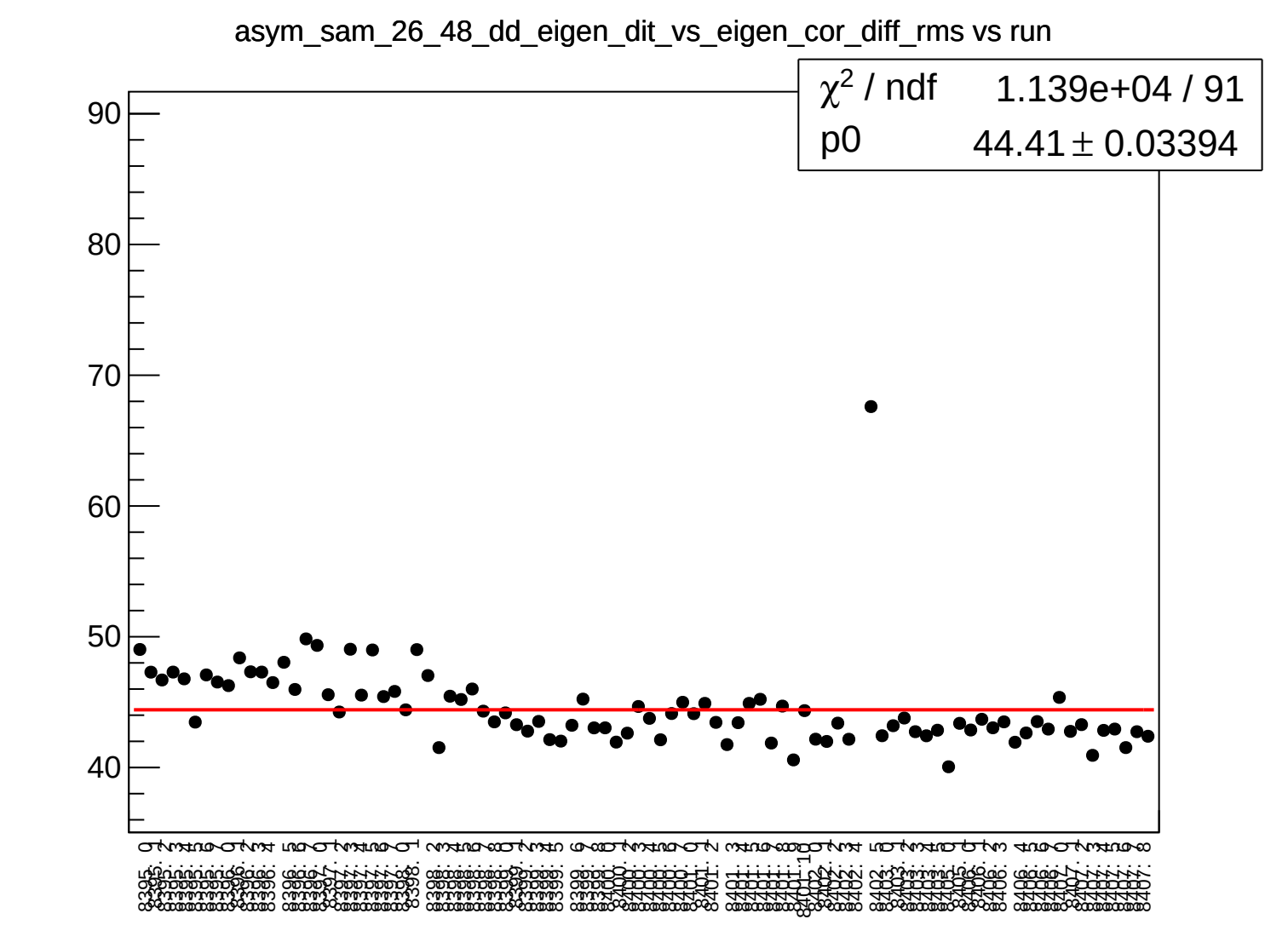

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1701 / 91
p0 0.002564 ± 1.954e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

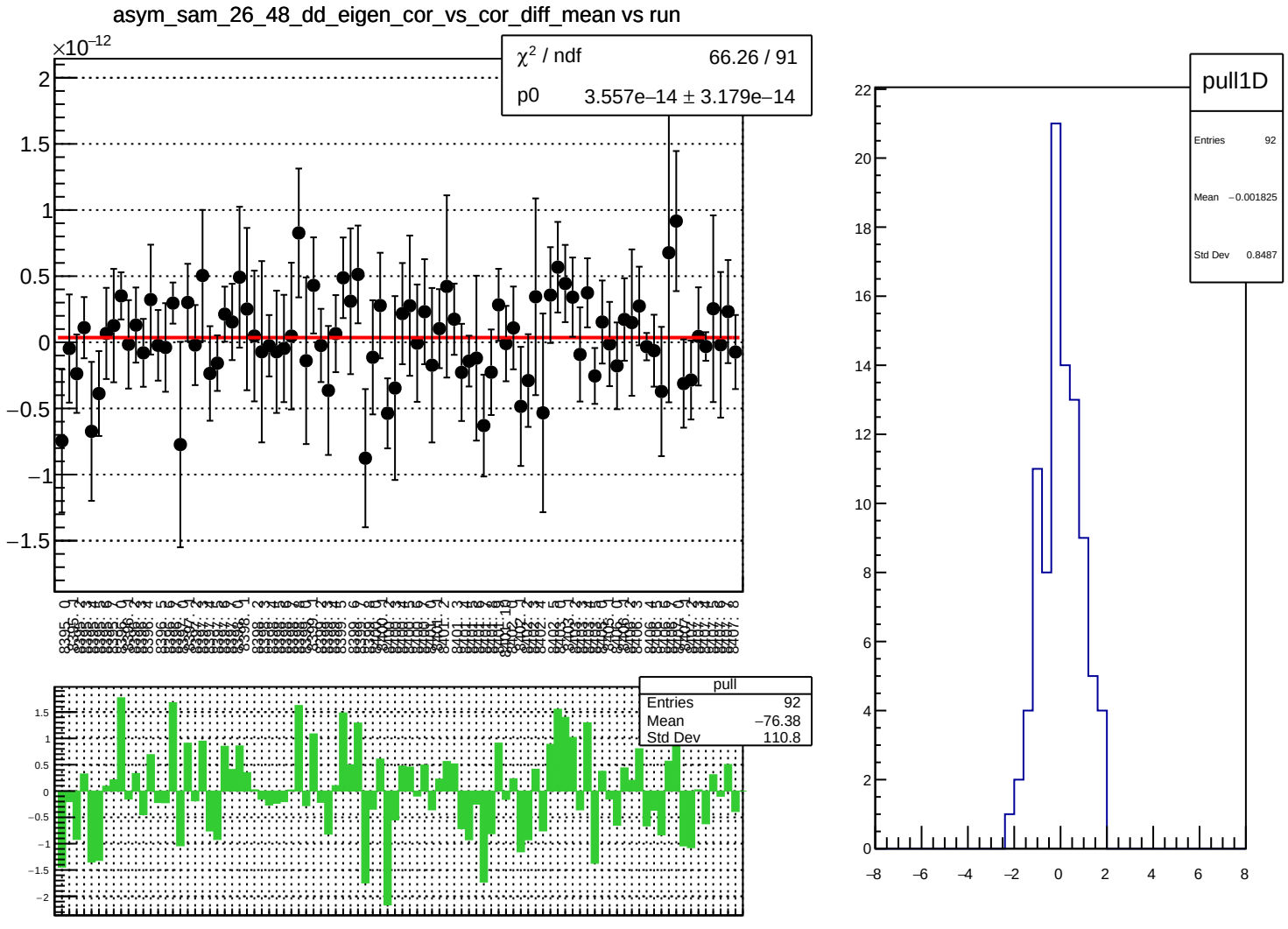

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.01 / 91
p0 0.07454 ± 0.048
pull
Entries 92
Mean 639.7
Std Dev 0

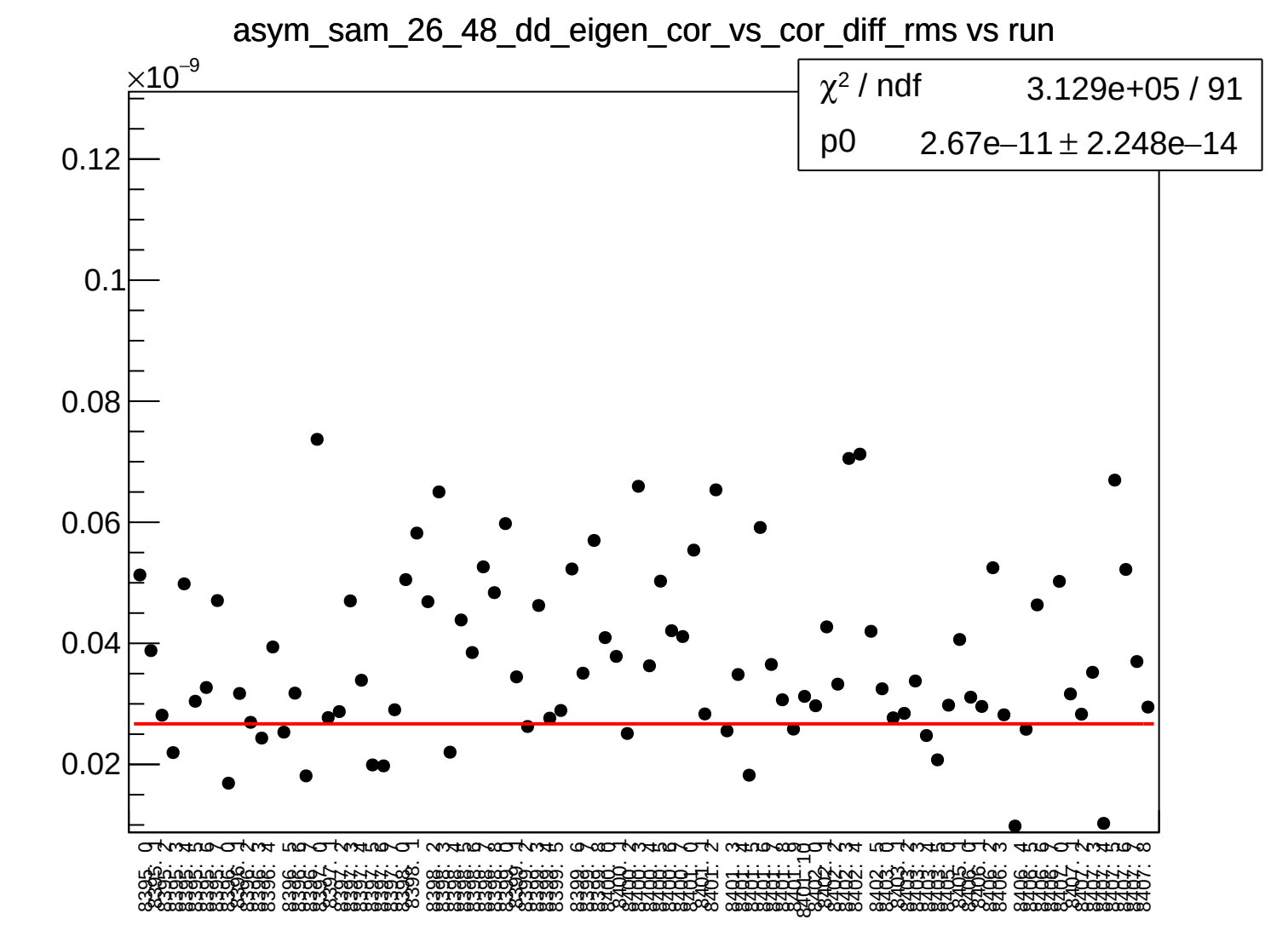

pull1D
Entries 92
Mean −0.00452
Std Dev 1.011

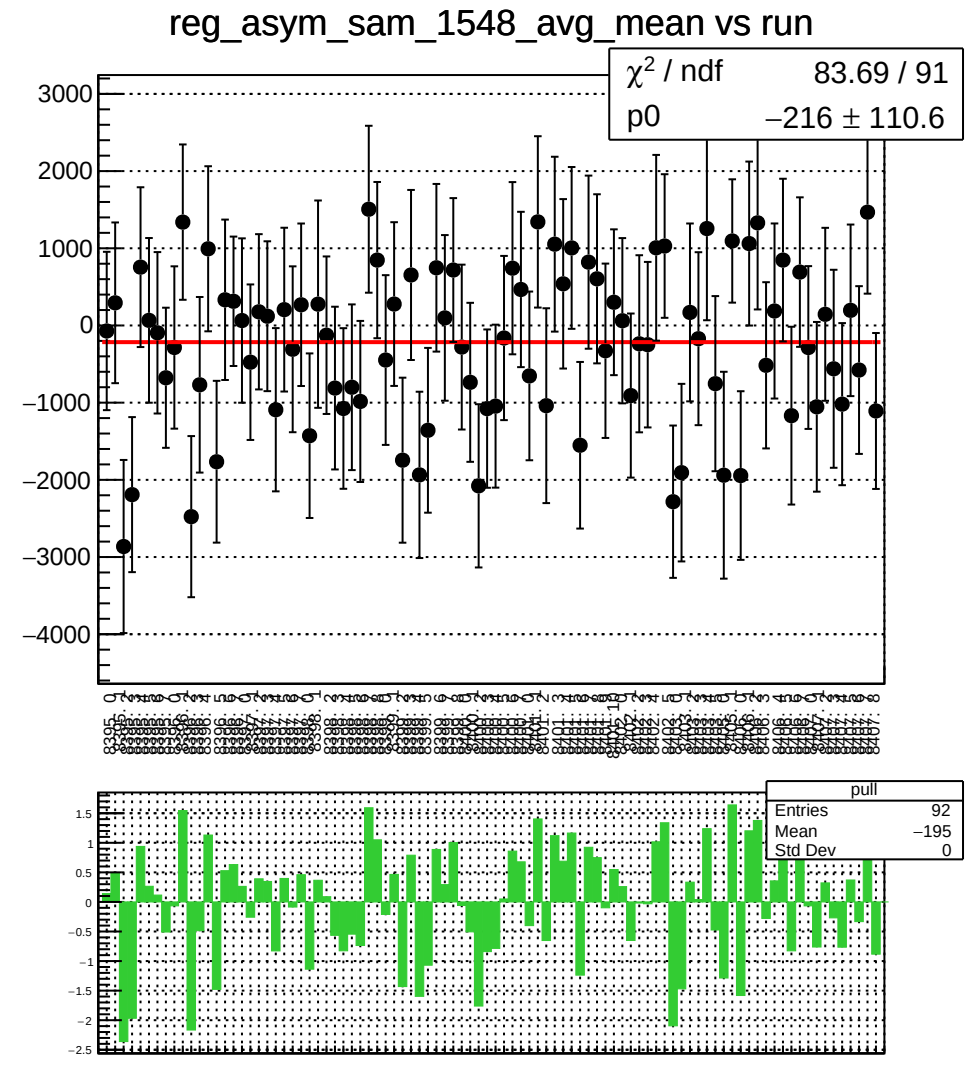

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.139e+04 / 91
p0 44.41 ± 0.03394
90
80
70
60
50
40

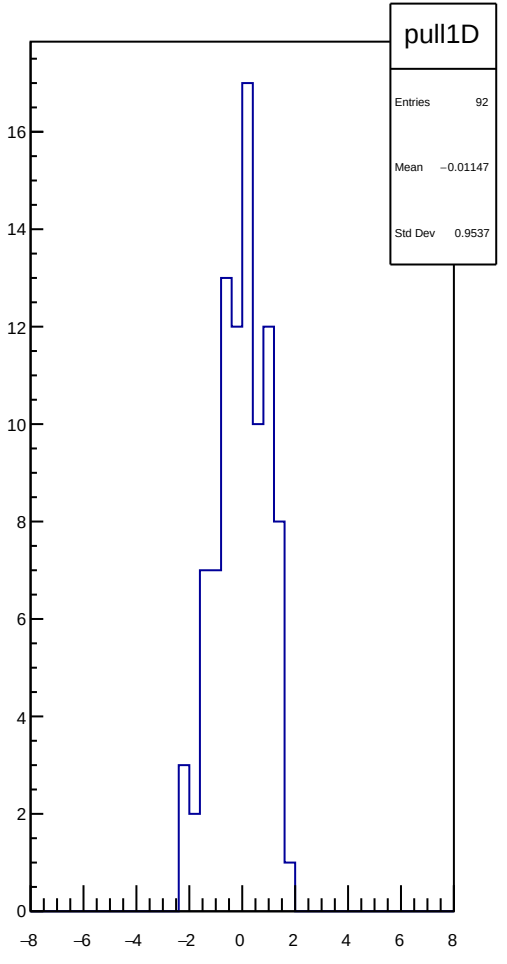

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.01 / 91
p0 0.07454 ± 0.048
pull
Entries 92
Mean 639.7
Std Dev 0
pull1D
Entries 92
Mean −0.00452
Std Dev 1.011

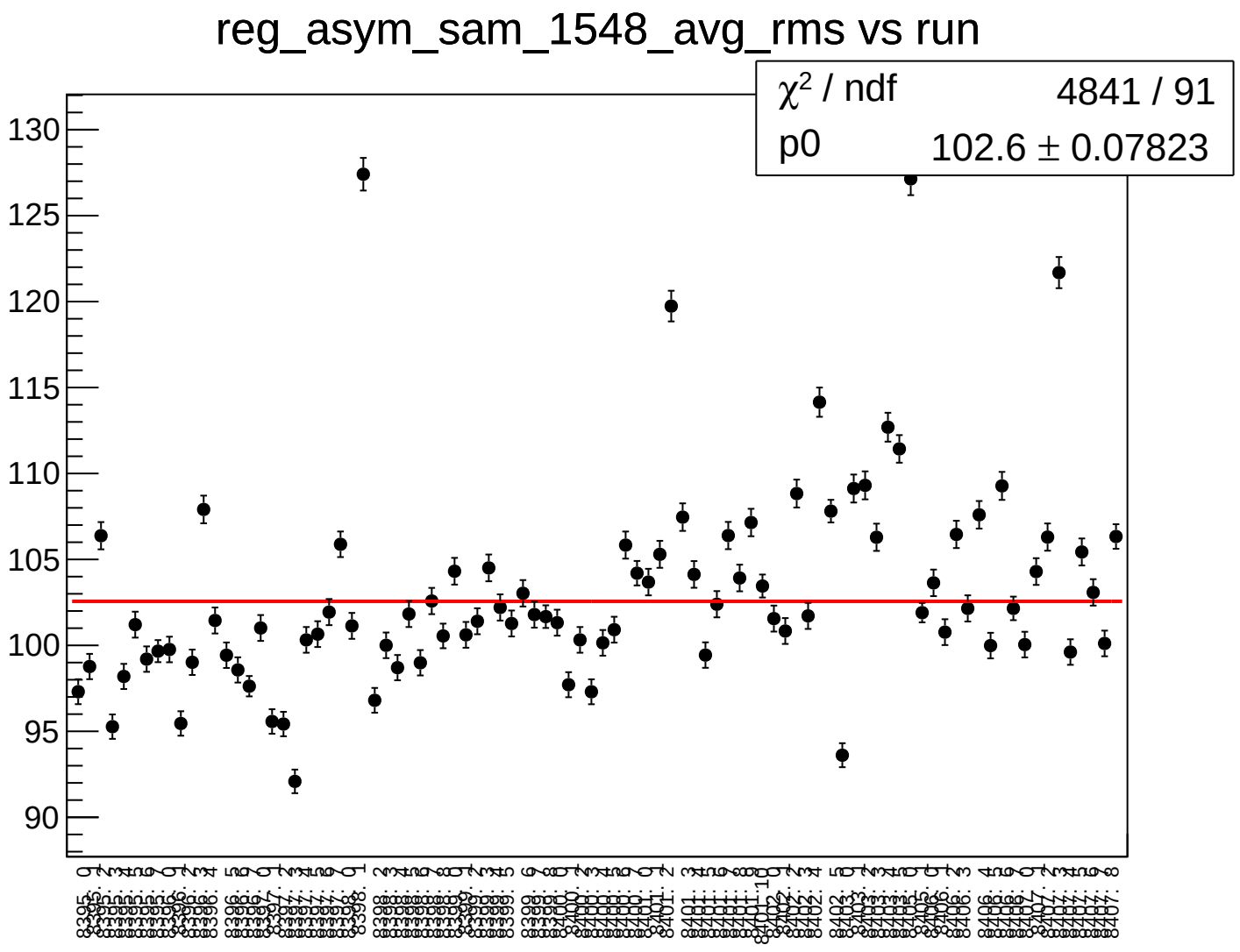

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.139e+04 / 91
p0 44.41 ± 0.03394
90
80
70
60
50
40

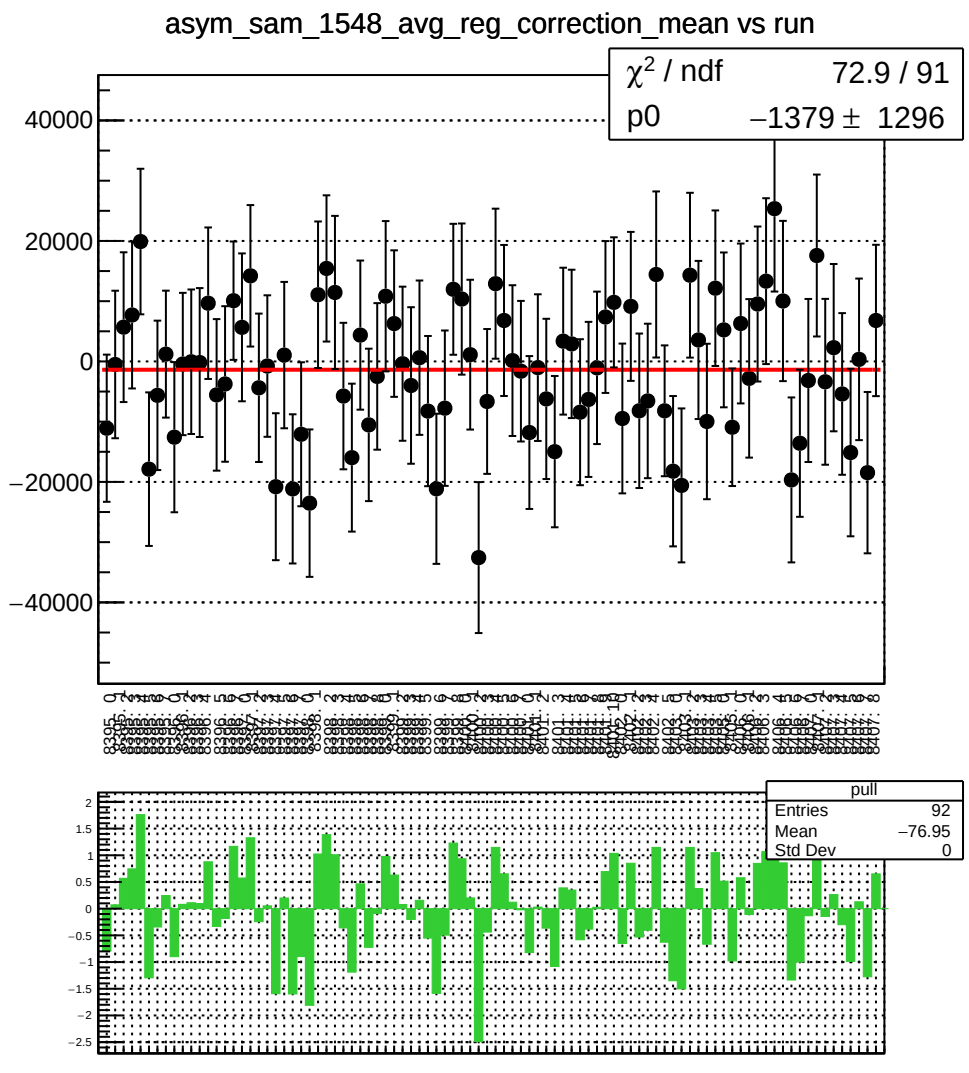

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.26 / 91
p0 3.557e−14 ± 3.179e−14
pull
Entries 92
Mean −76.38
Std Dev 110.8
pull1D
Entries 92
Mean −0.001825
Std Dev 0.8487

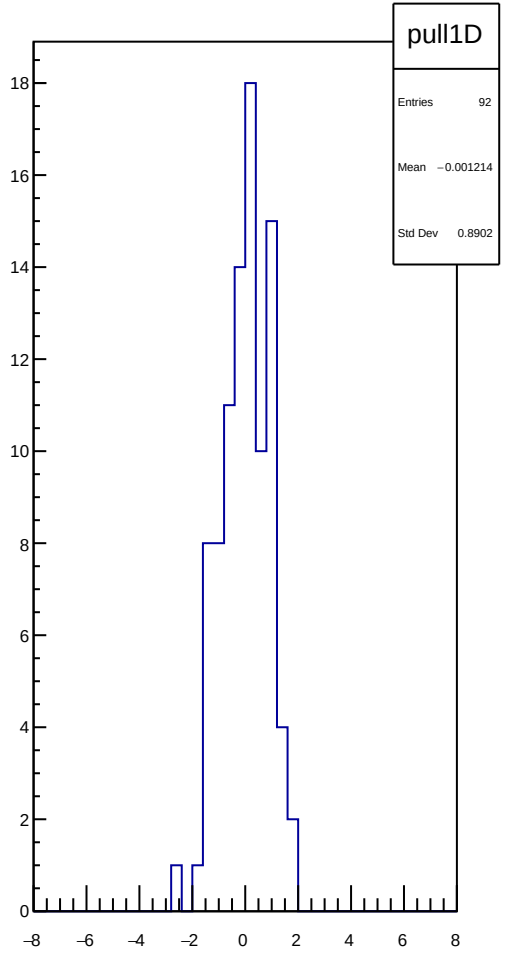

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.129e+05 / 91
p0 2.67e−11 ± 2.248e−14
0.12
0.1
0.08
0.06
0.04
0.02

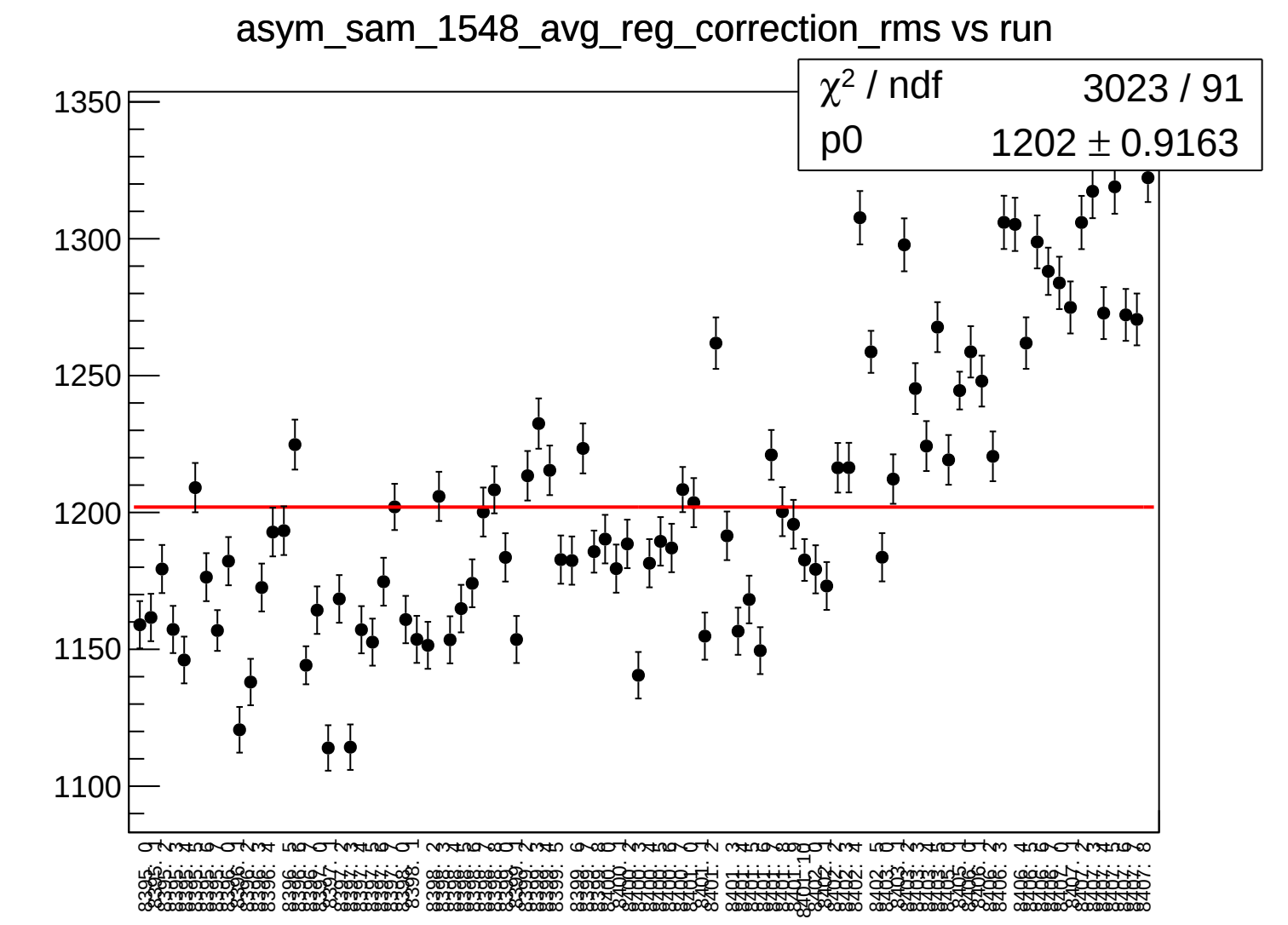

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 83.69 / 91
p0 −216 ± 110.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean −195
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

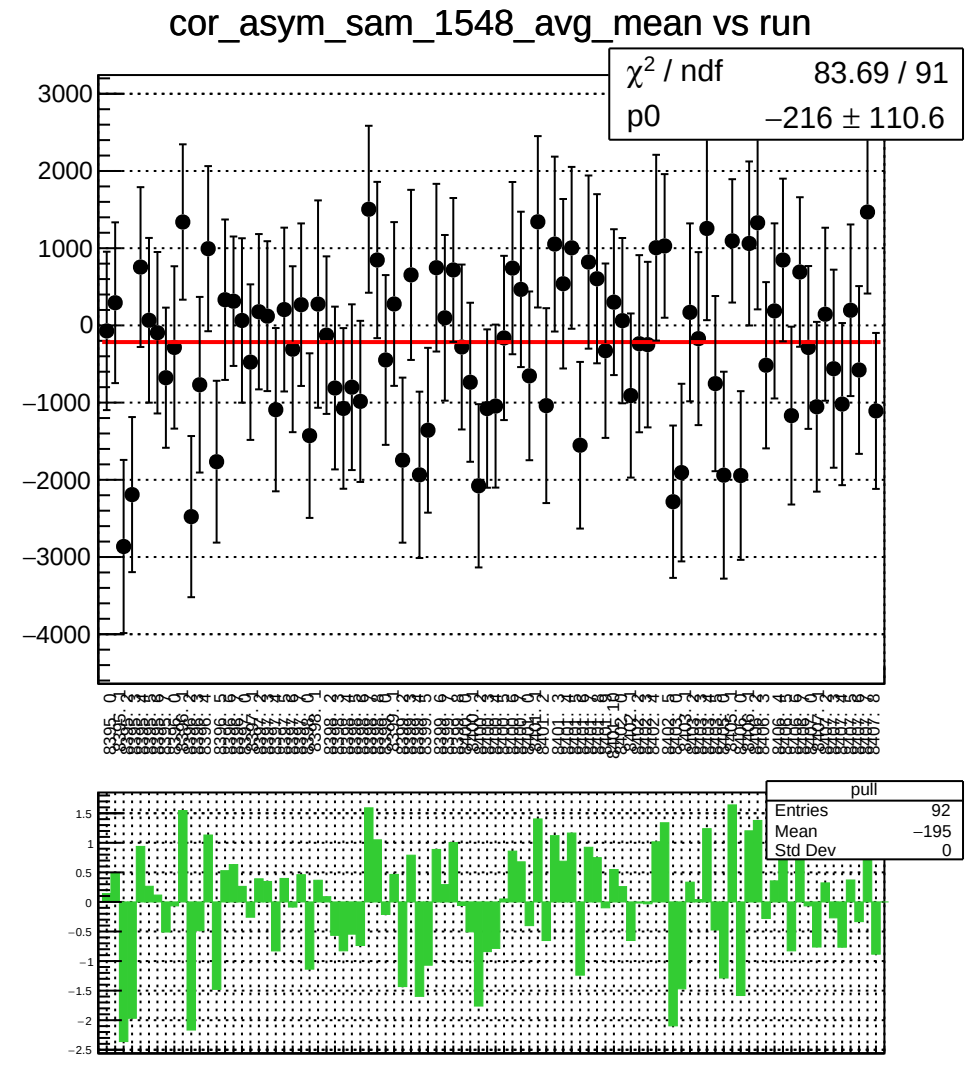

pull1D
Entries 92
Mean −0.01147
Std Dev 0.9537
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

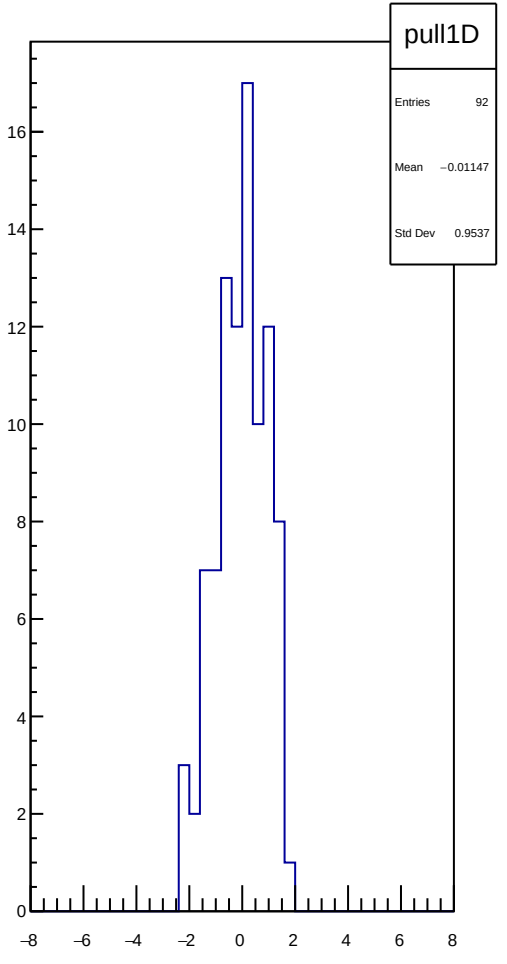

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 4841 / 91
p0 102.6 ± 0.07823
130
125
120
115
110
105
100
95
90

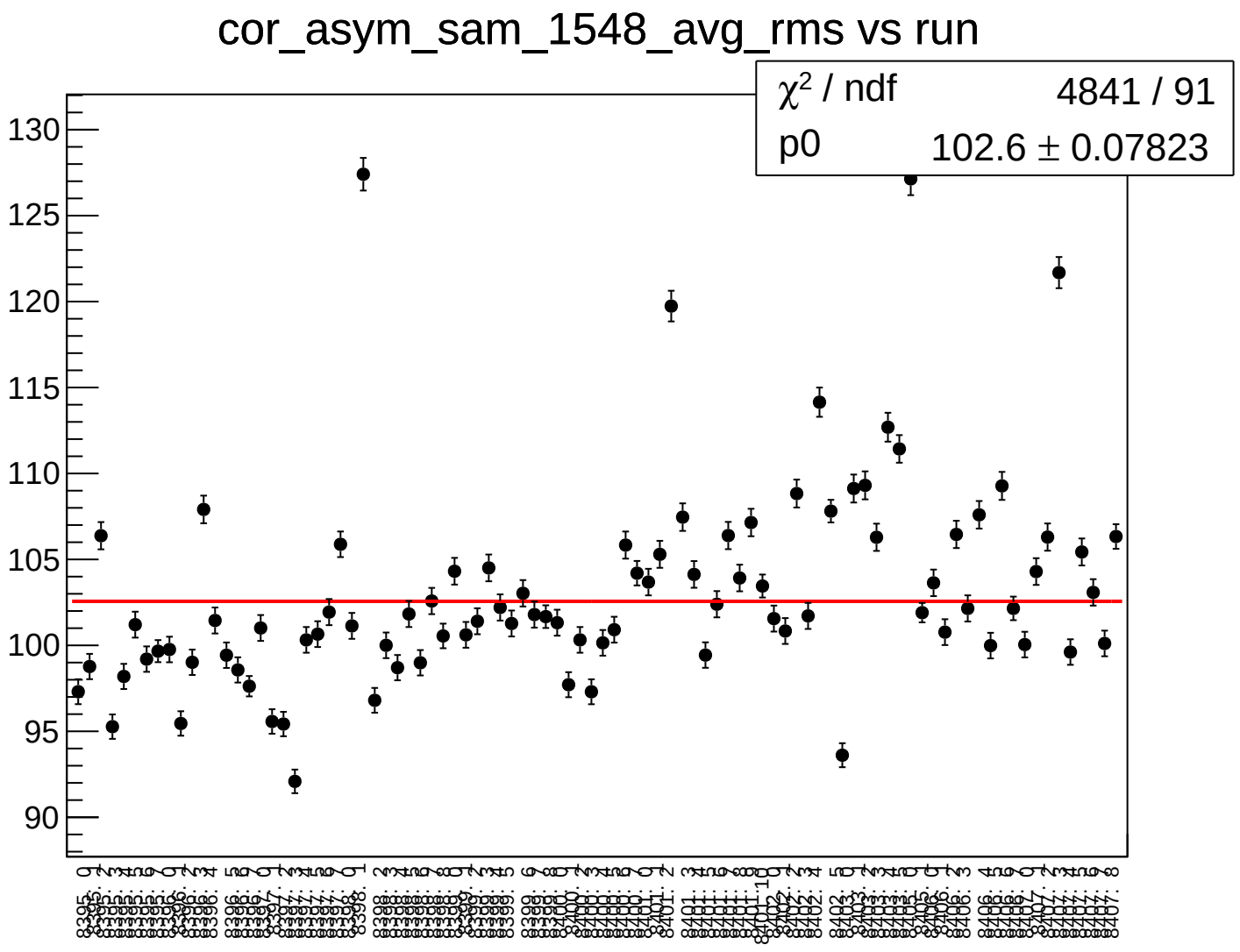

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 72.9 / 91
p0 −1379 ± 1296
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −76.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

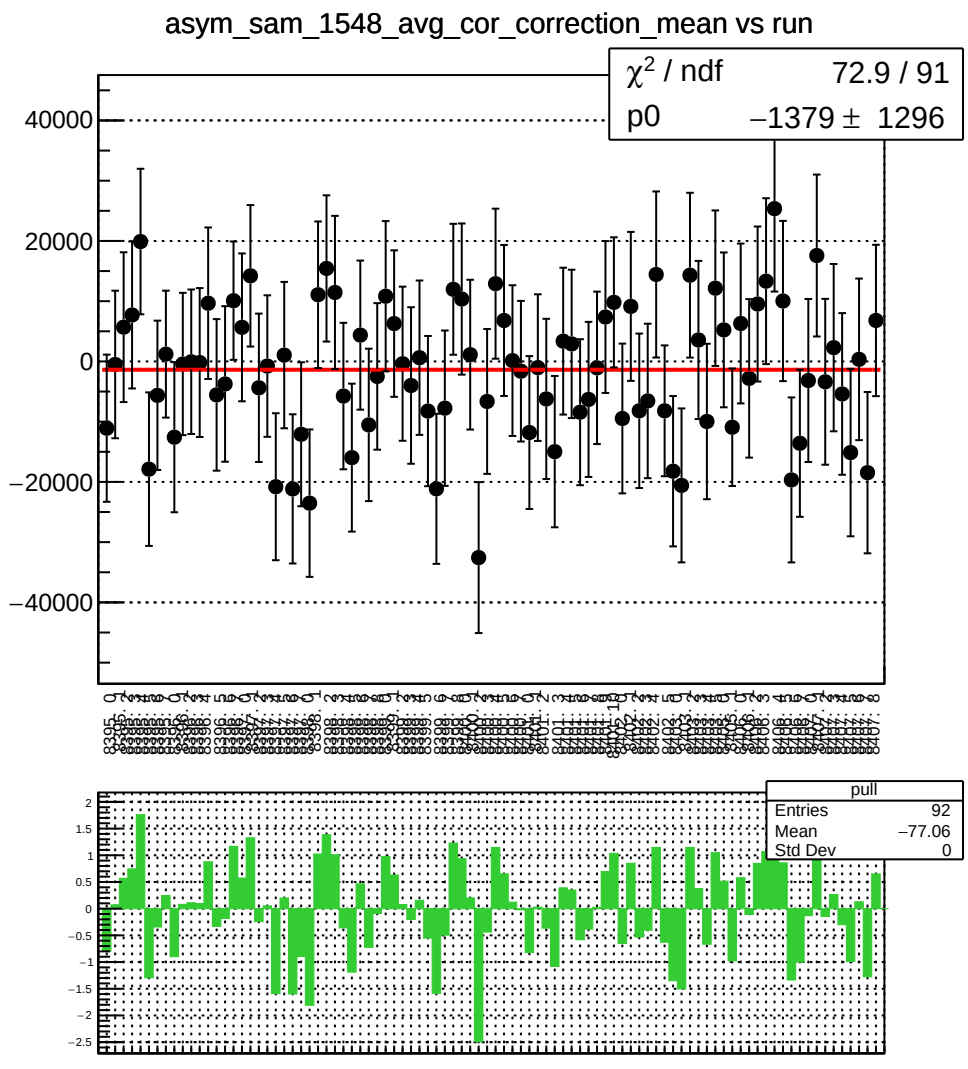

pull1D
Entries 92
Mean −0.001214
Std Dev 0.8902
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

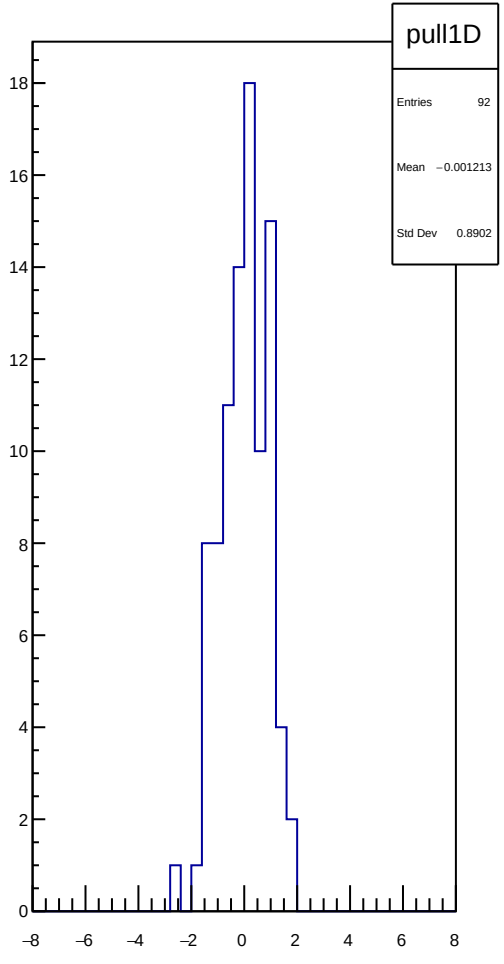

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 3023 / 91
p0 1202 ± 0.9163
1350
1300
1250
1200
1150
1100

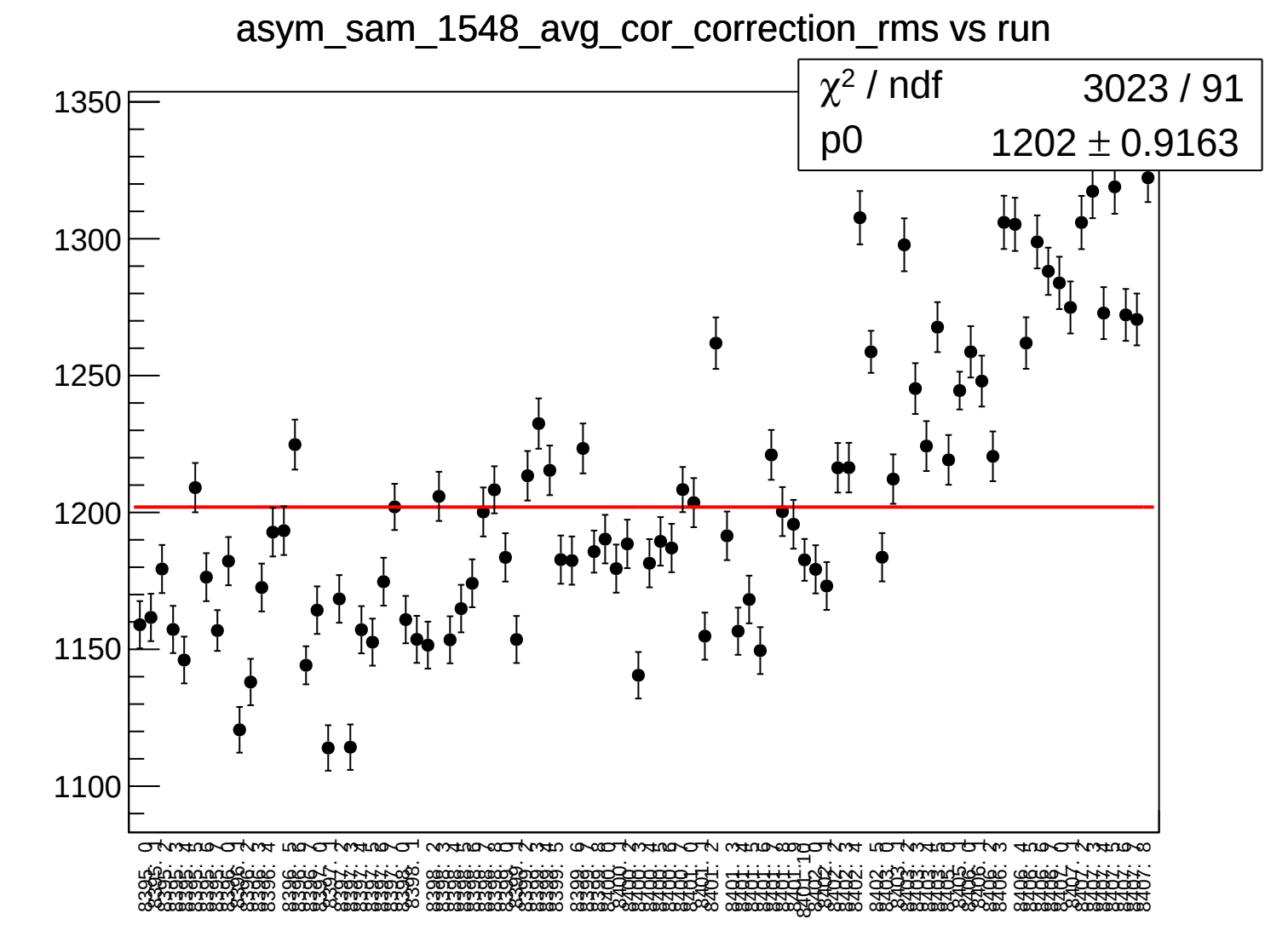

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 83.69 / 91
p0 −216 ± 110.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean −195
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

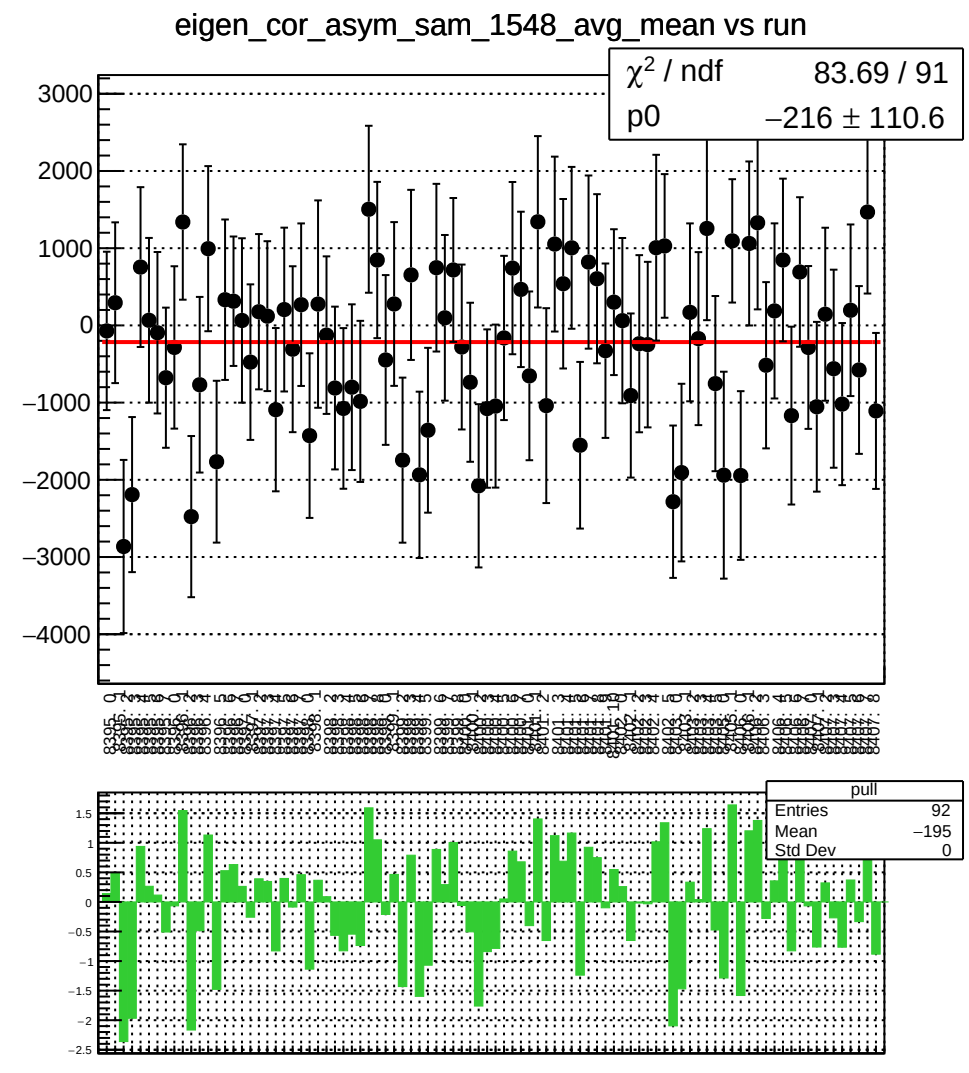

pull1D
Entries 92
Mean −0.01147
Std Dev 0.9537
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

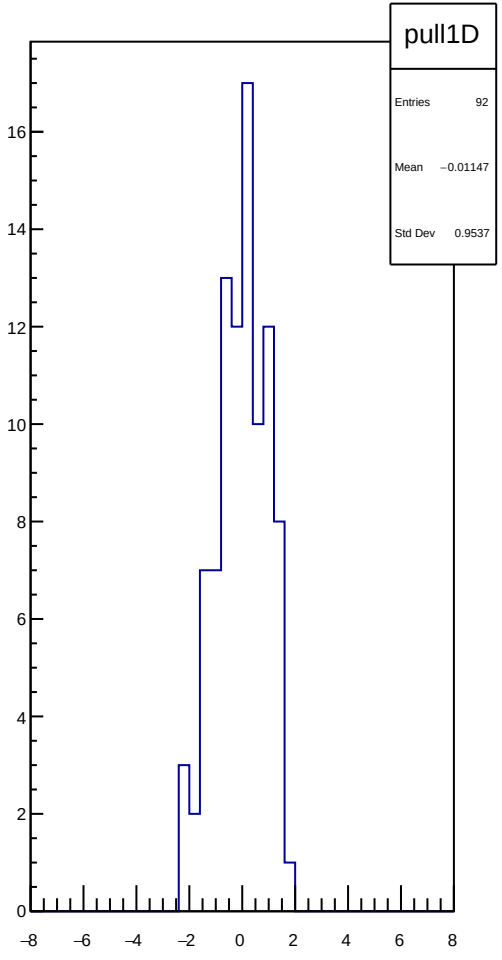

cor_asym_sam_1548_avg_rms vs run
$\chi^2$ / ndf 4841 / 91
p0 102.6 ± 0.07823
130
125
120
115
110
105
100
95
90

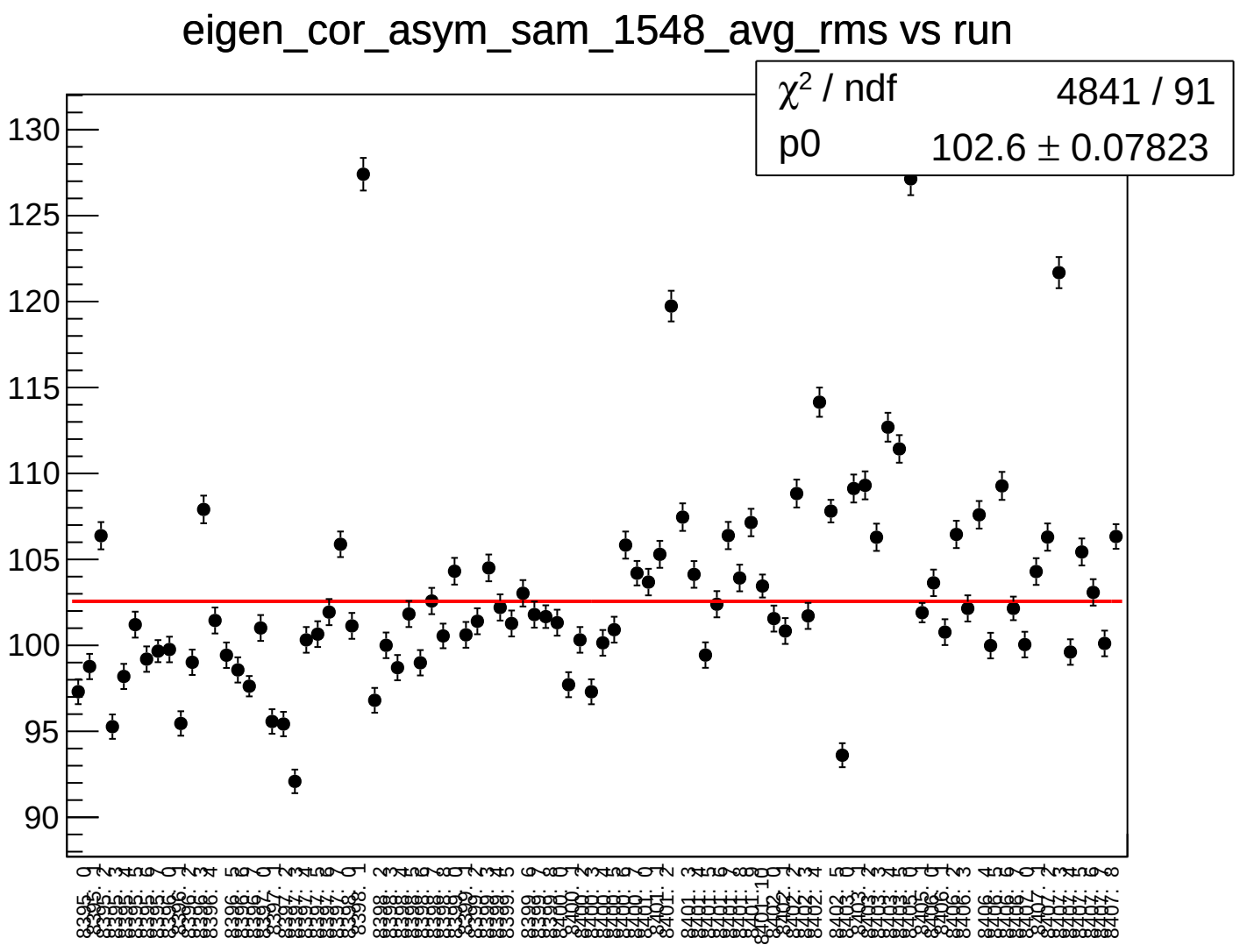

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 72.9 / 91
p0 −1379 ± 1296
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −77.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

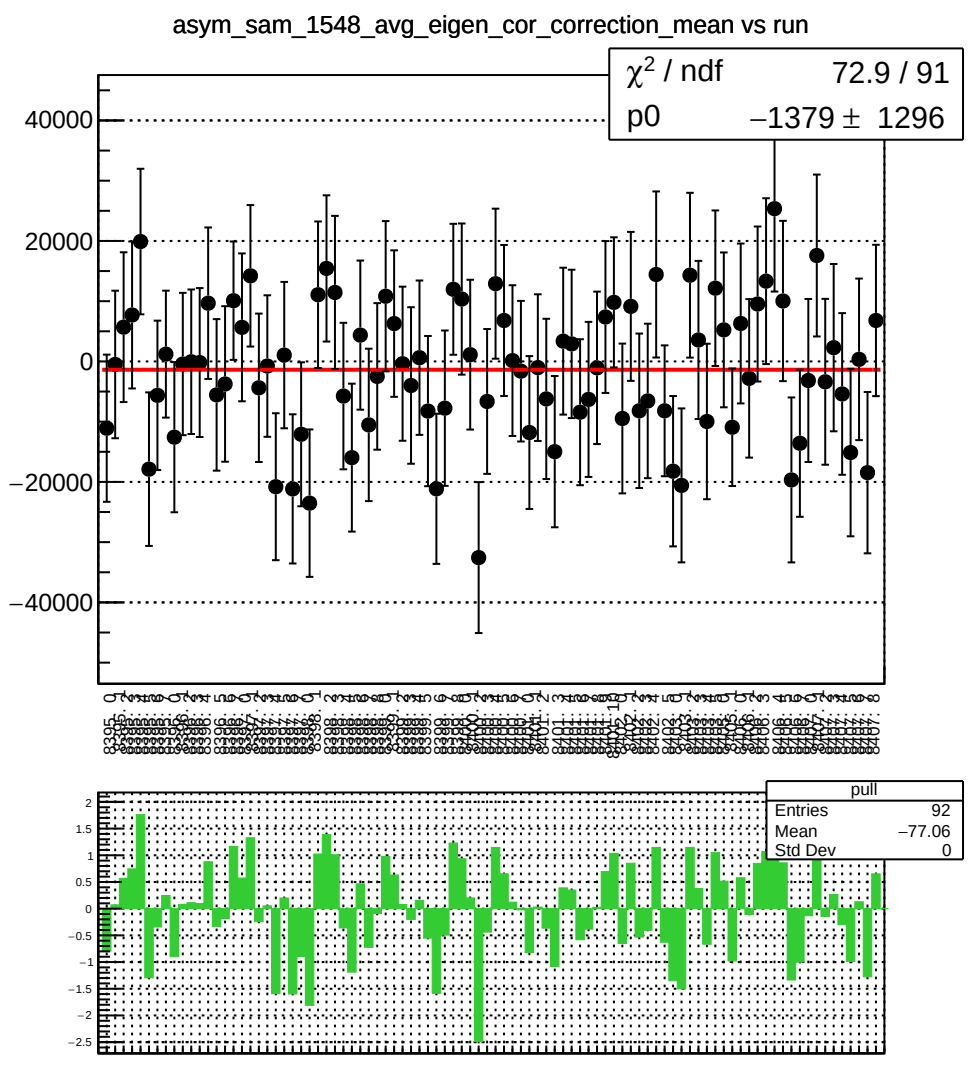

pull1D
Entries 92
Mean −0.001213
Std Dev 0.8902
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

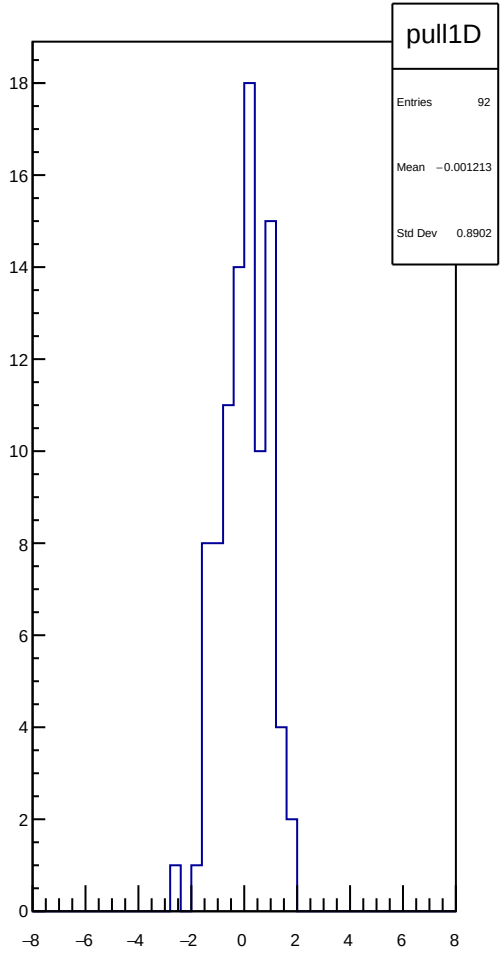

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 3023 / 91
p0 1202 ± 0.9163
1350
1300
1250
1200
1150
1100

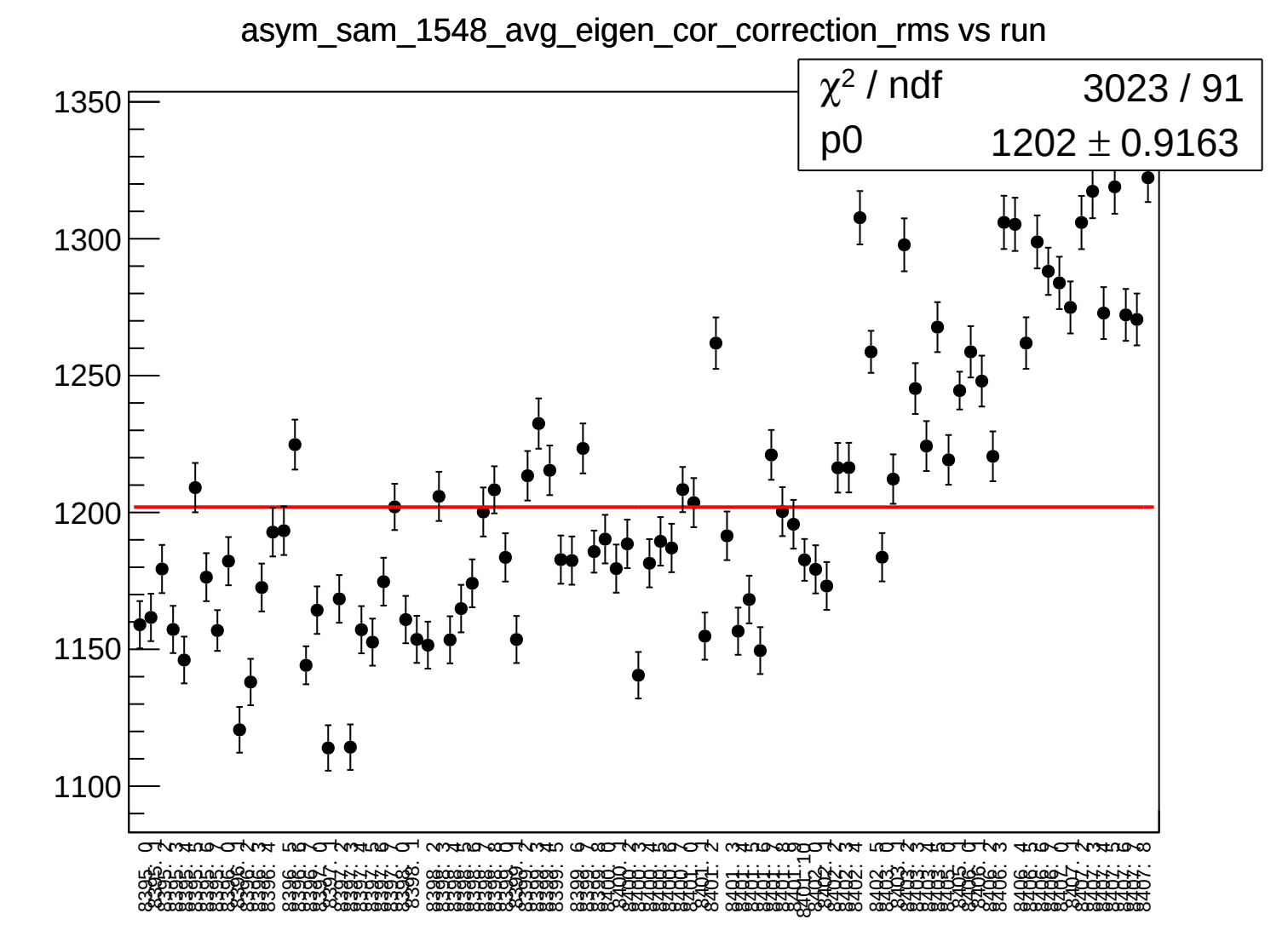

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 83.69 / 91
p0 −216 ± 110.6
pull
Entries 92
Mean −195
Std Dev 0

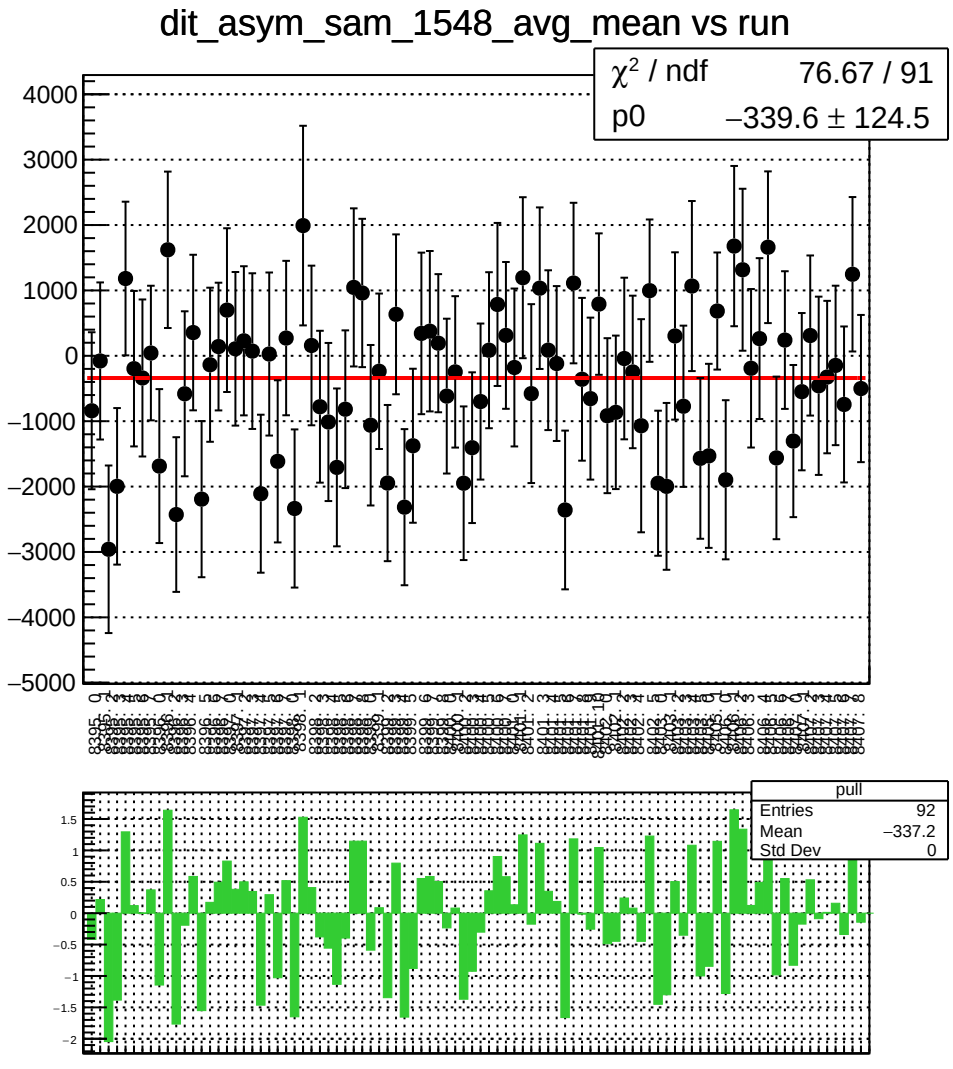

pull1D
Entries 92
Mean −0.01147
Std Dev 0.9537

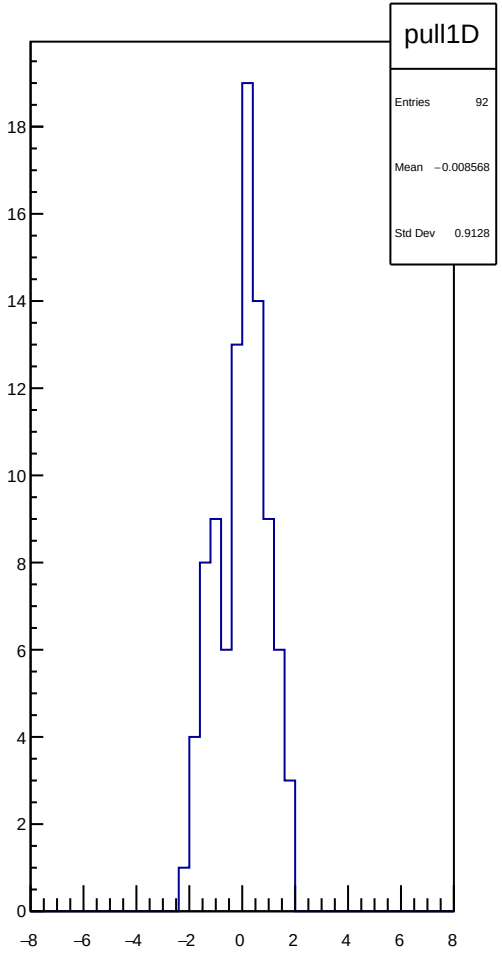

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 4841 / 91
p0 102.6 ± 0.07823
130
125
120
115
110
105
100
95
90

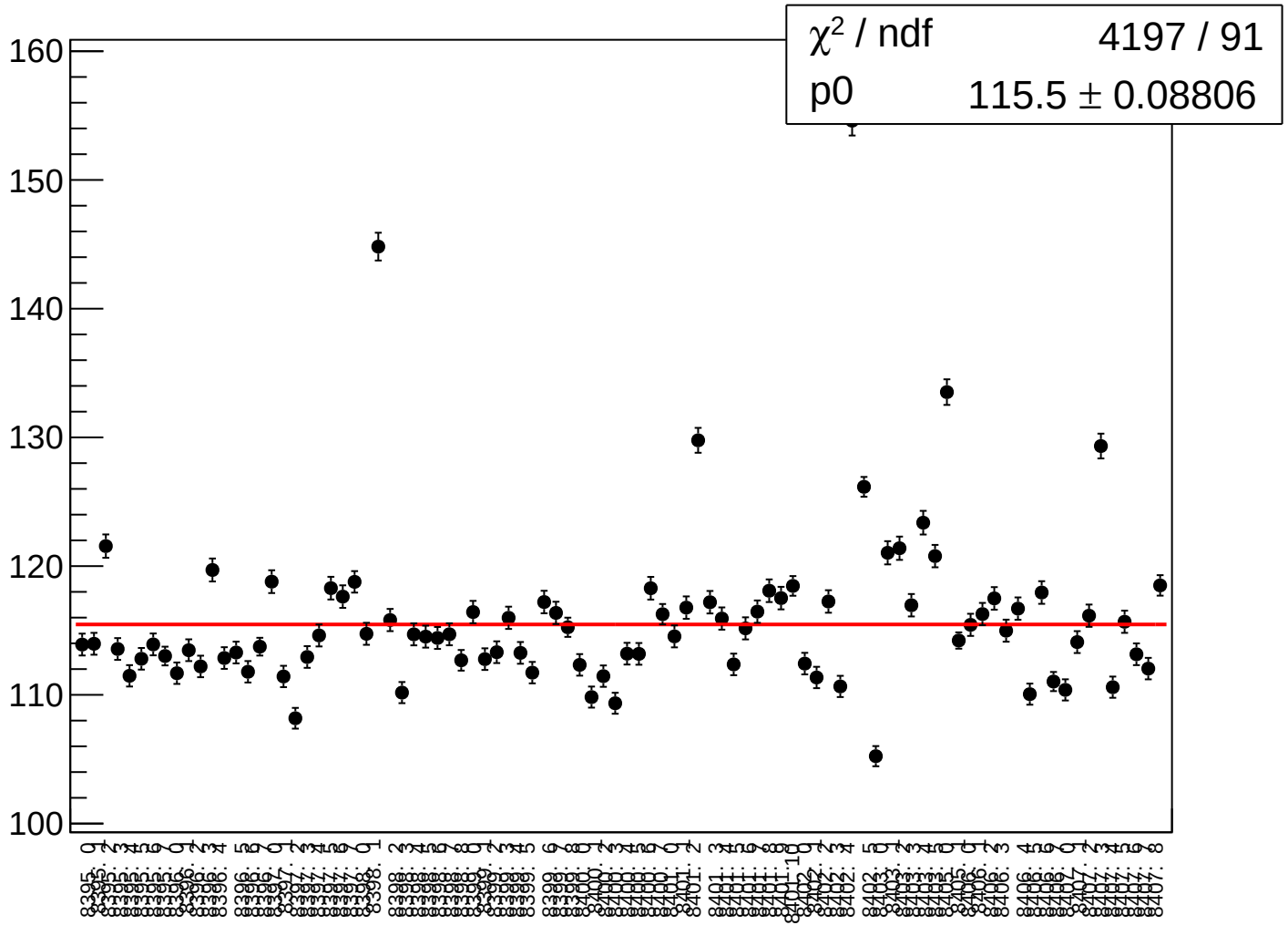

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.9 / 91
p0 −1379 ± 1296
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −77.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

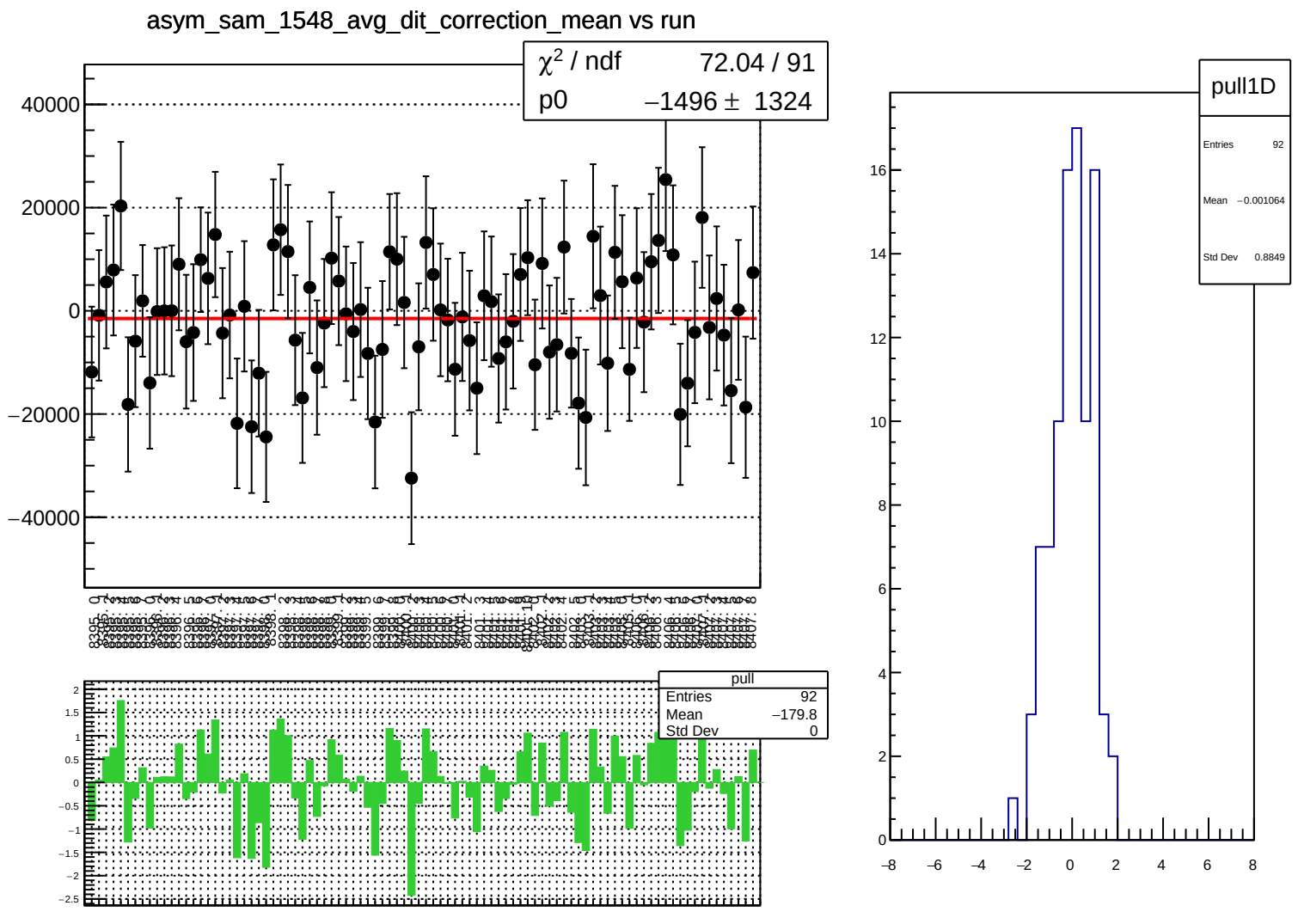

pull1D
Entries 92
Mean −0.001213
Std Dev 0.8902
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

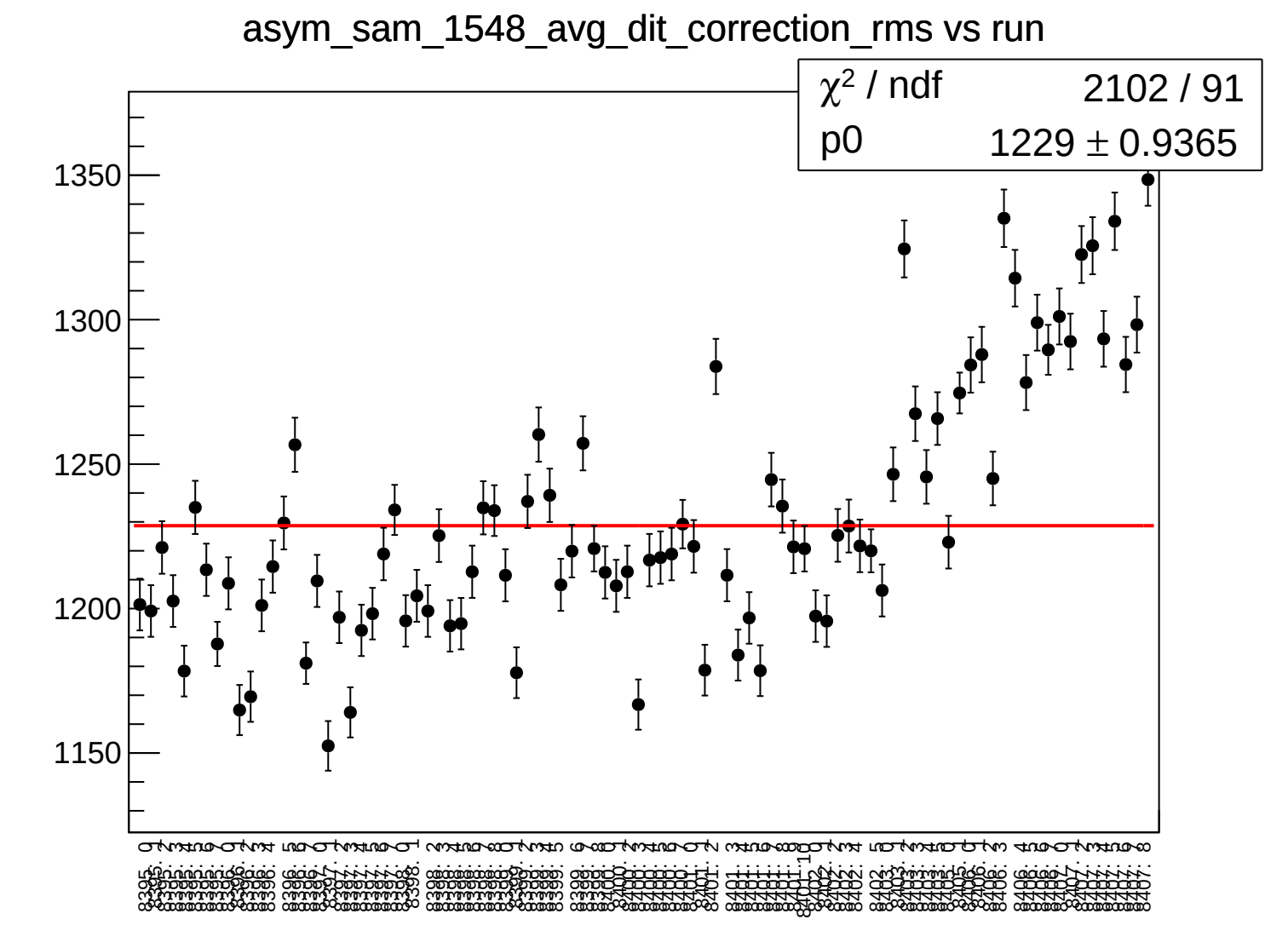

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 3023 / 91
p0 1202 ± 0.9163
1350
1300
1250
1200
1150
1100

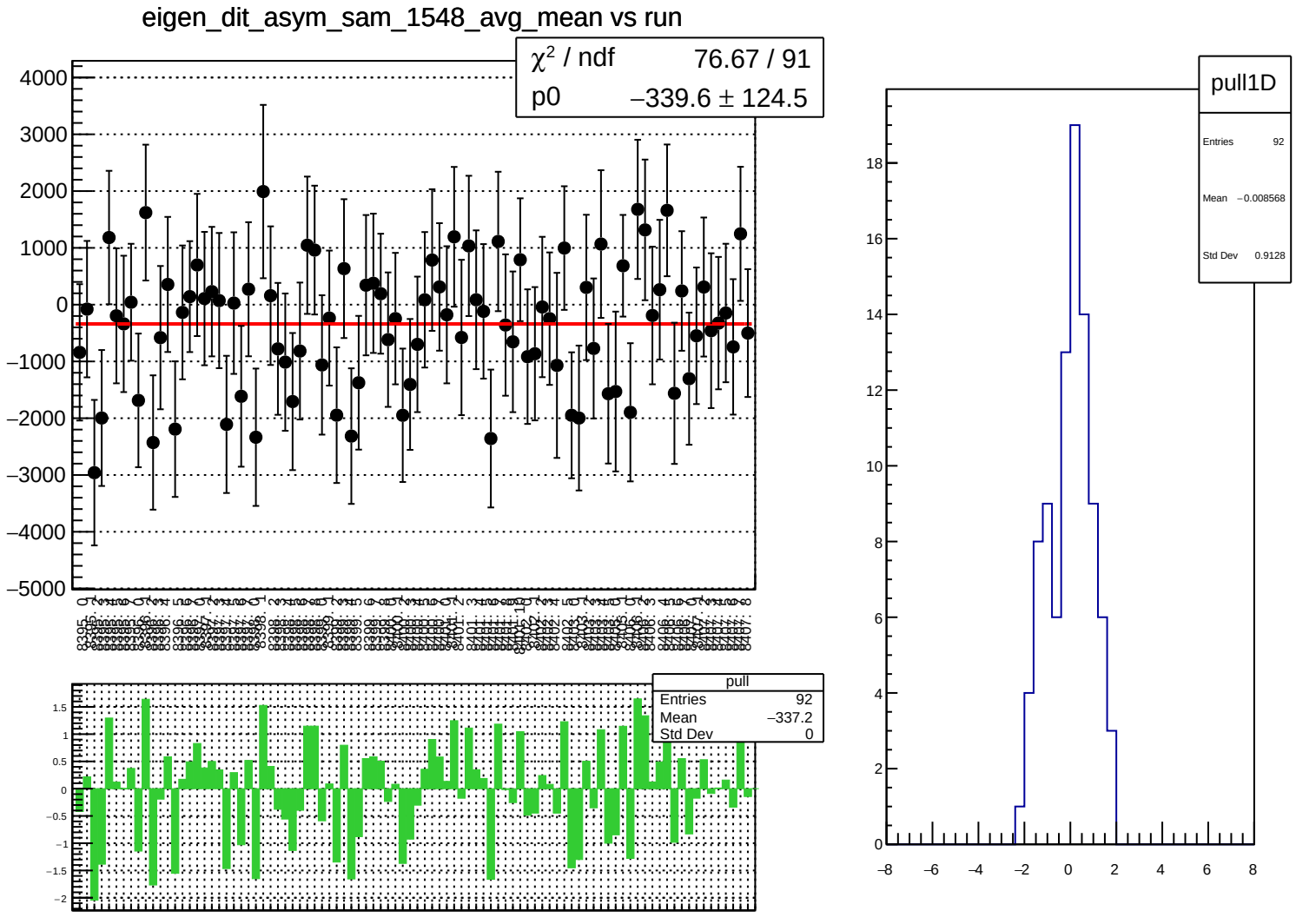

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 76.67 / 91
p0 −339.6 ± 124.5
pull
Entries 92
Mean −337.2
Std Dev 0

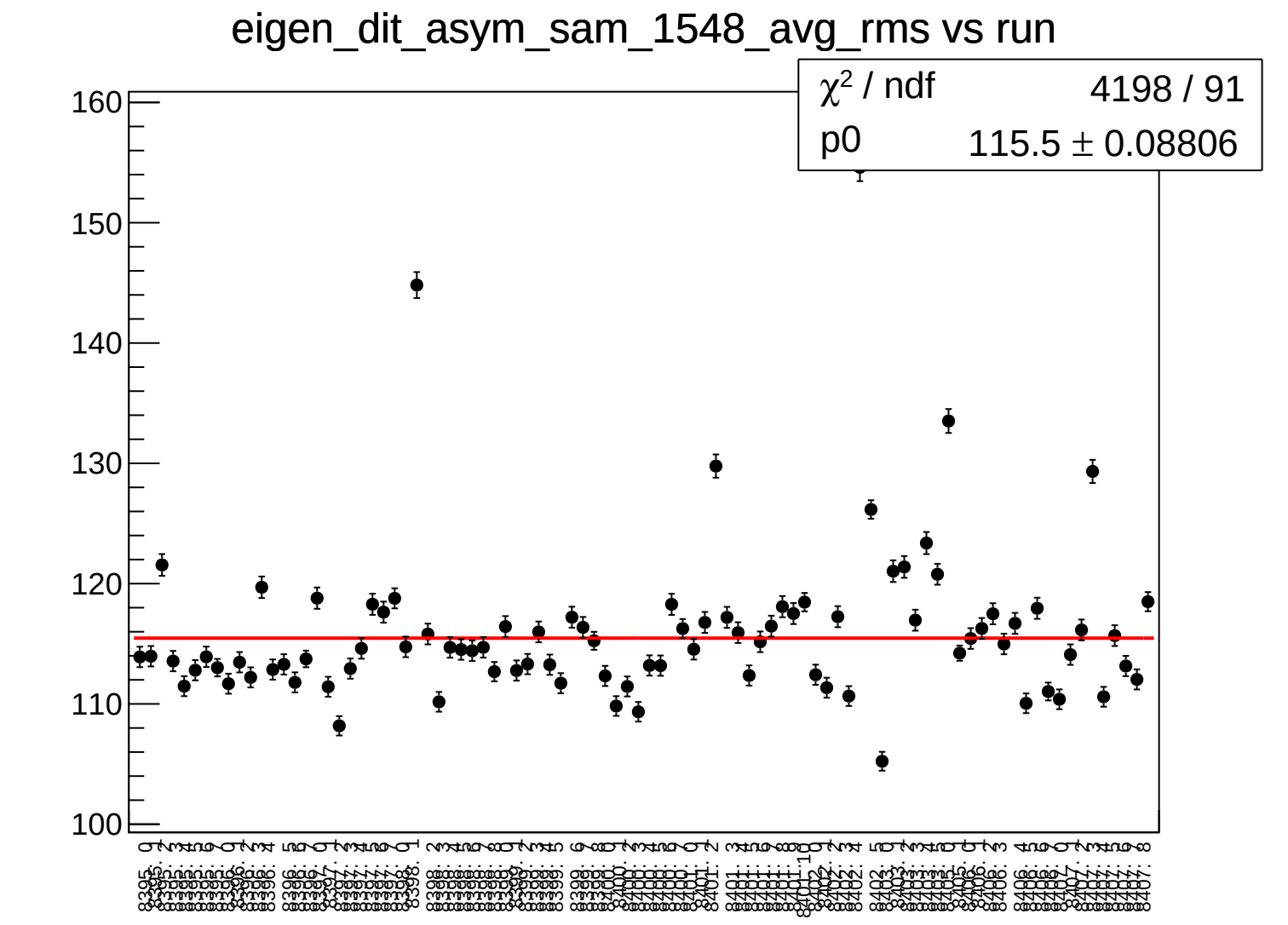

pull1D
Entries 92
Mean −0.008568
Std Dev 0.9128

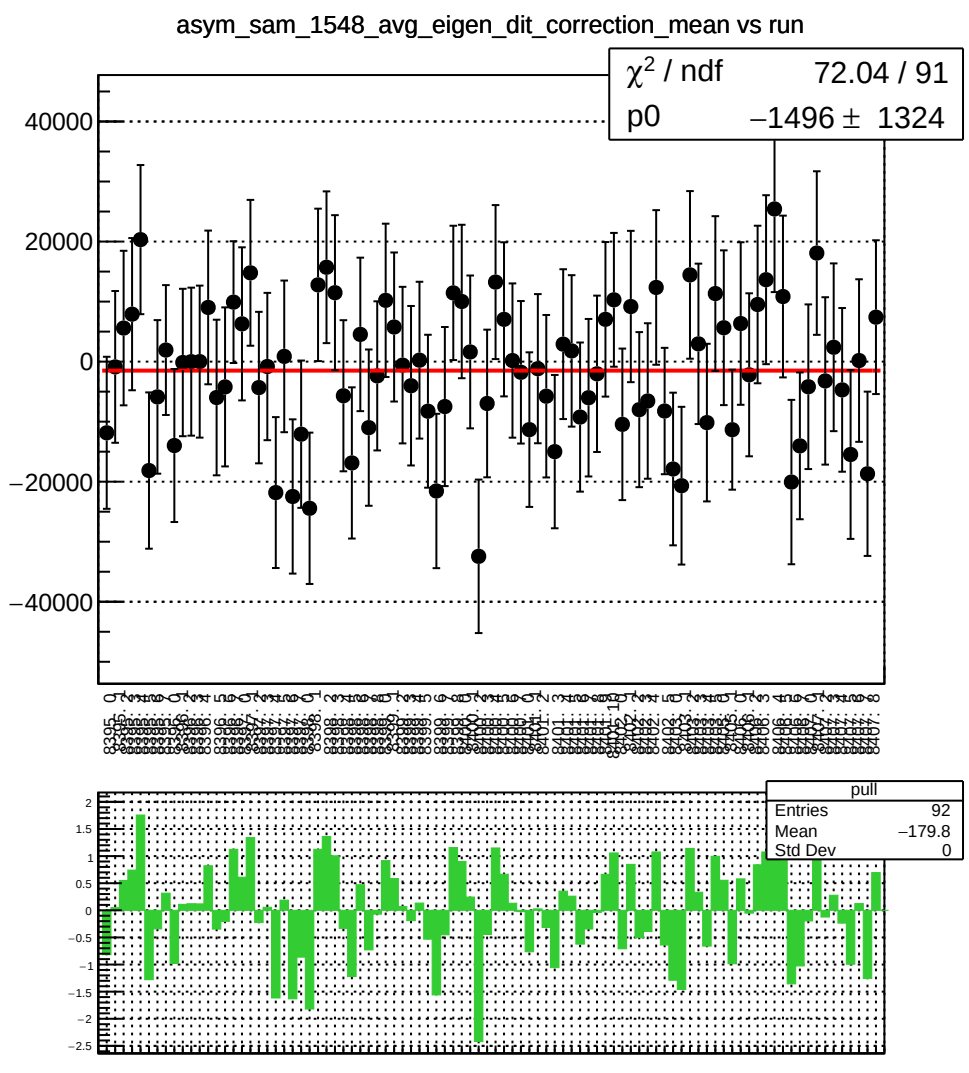

dit_asym_sam_1548_avg_rms vs run
$\chi^2$ / ndf 4197 / 91
p0 115.5 ± 0.08806
160
150
140
130
120
110
100

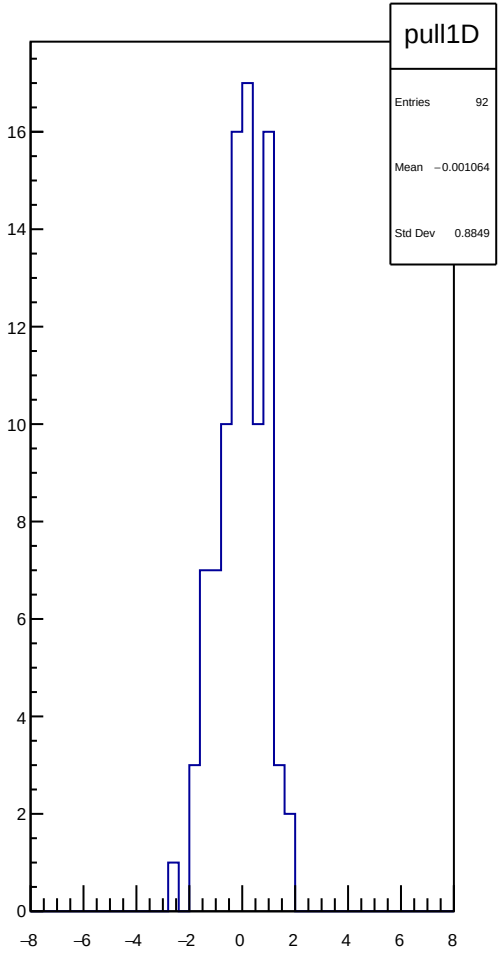

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 72.04 / 91
p0 −1496 ± 1324
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −179.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001064
Std Dev 0.8849
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

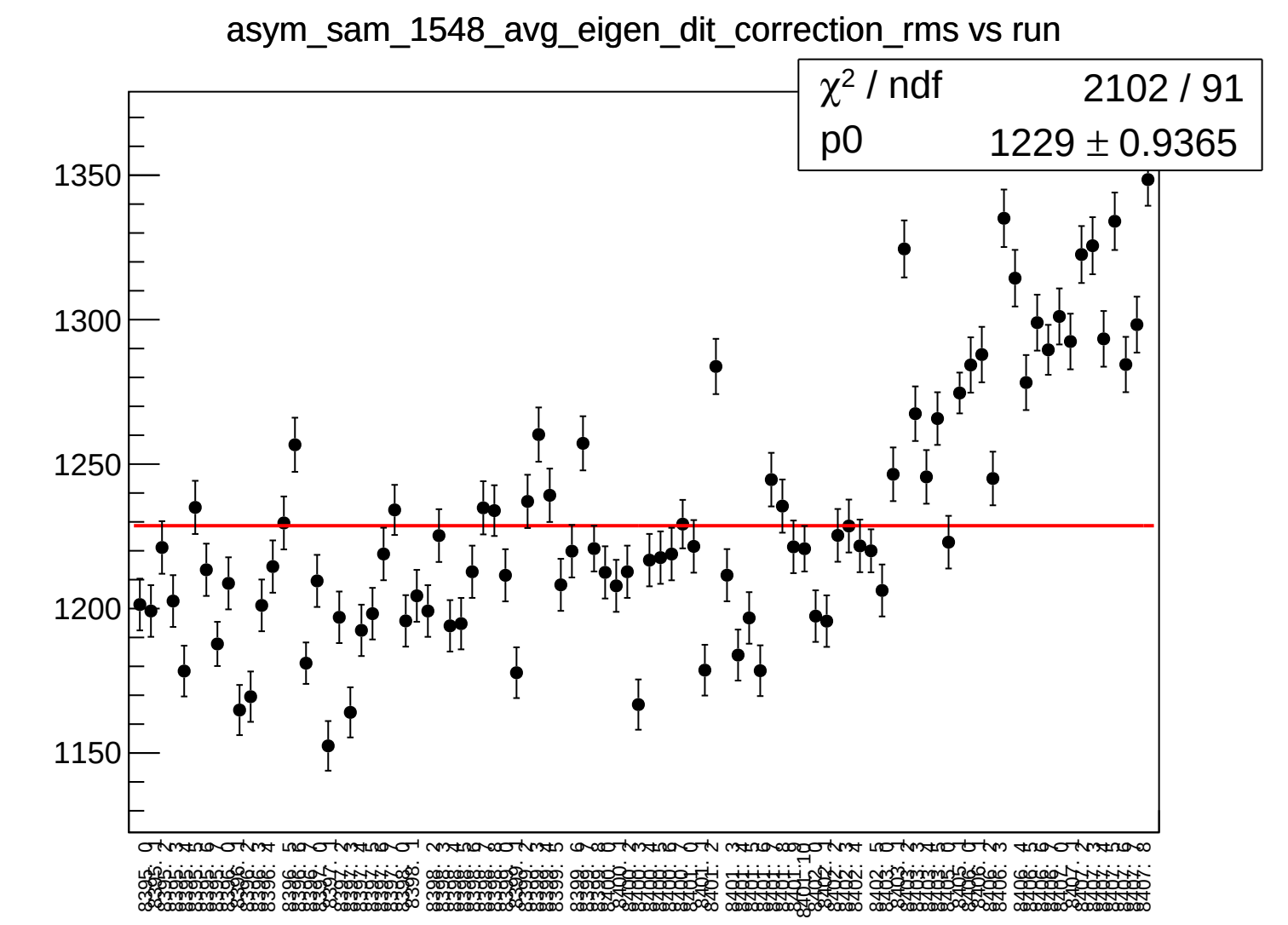

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 2102 / 91
p0 1229 ± 0.9365
1350
1300
1250
1200
1150

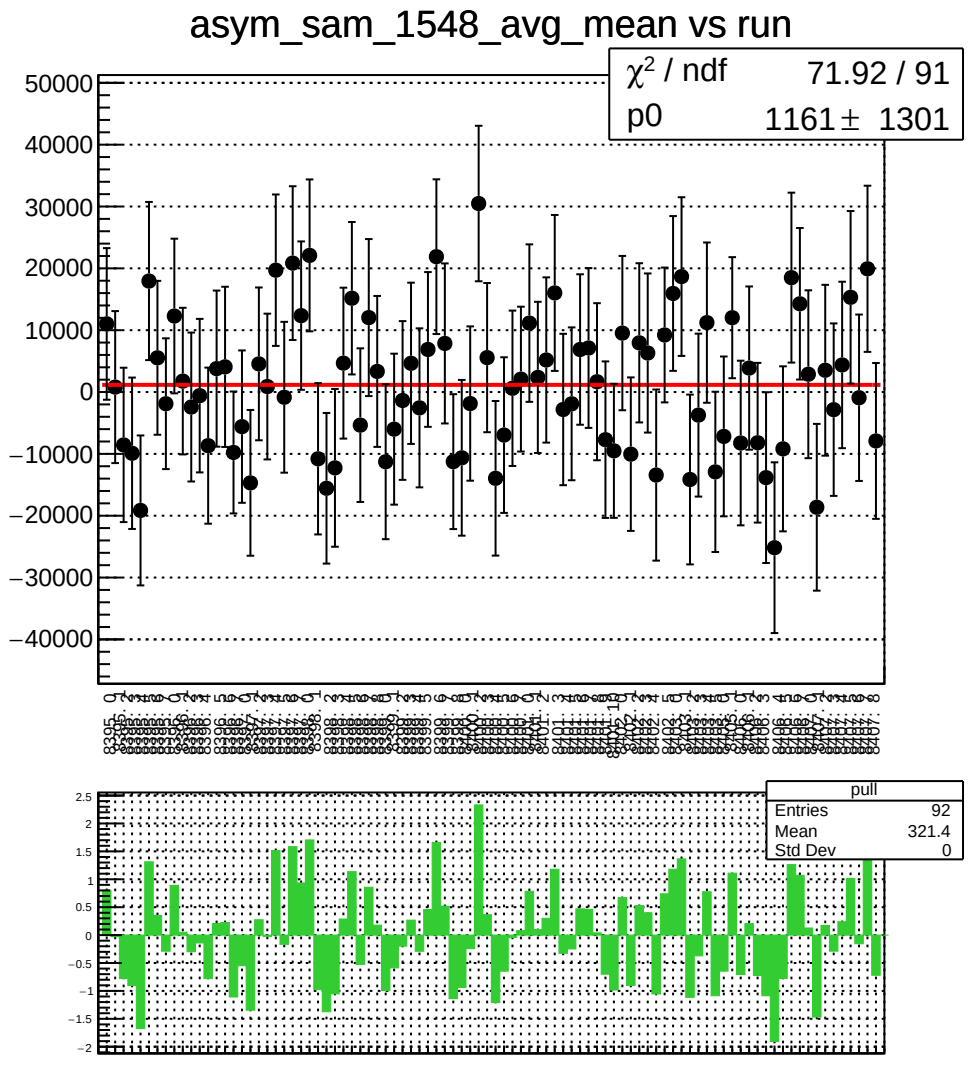

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 76.67 / 91
p0 −339.6 ± 124.5
pull
Entries 92
Mean −337.2
Std Dev 0
pull1D
Entries 92
Mean −0.008568
Std Dev 0.9128

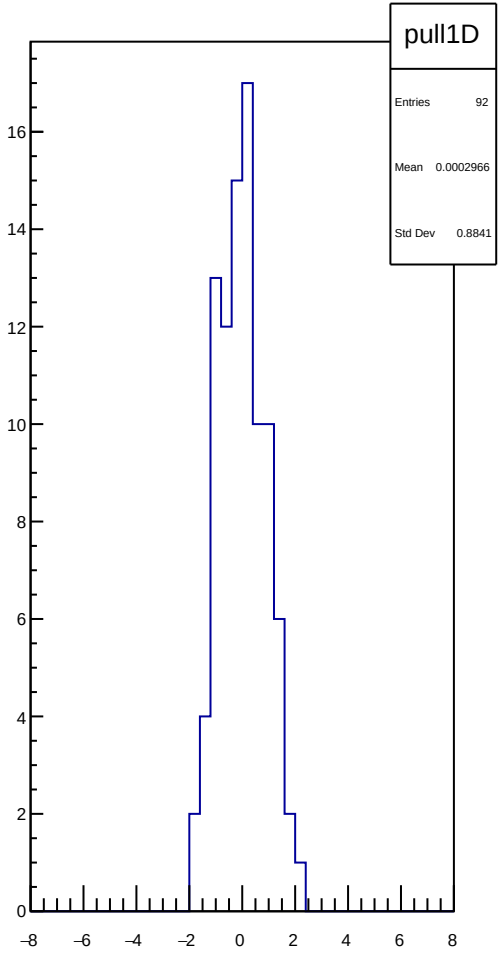

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4198 / 91
p0 115.5 ± 0.08806
160
150
140
130
120
110
100

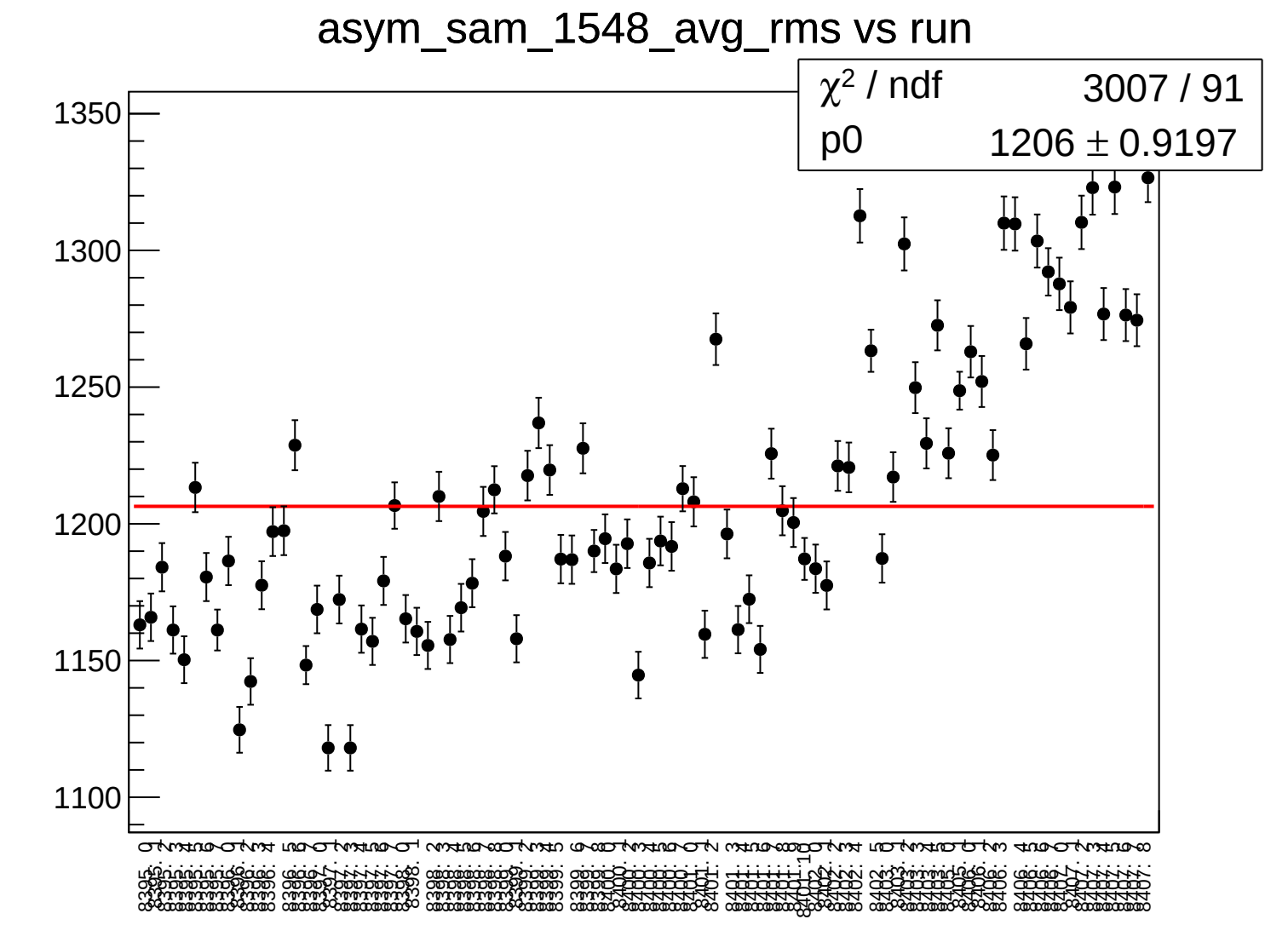

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.04 / 91
p0 −1496 ± 1324
40000
20000
0
−20000
−40000
pull
Entries 92
Mean −179.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

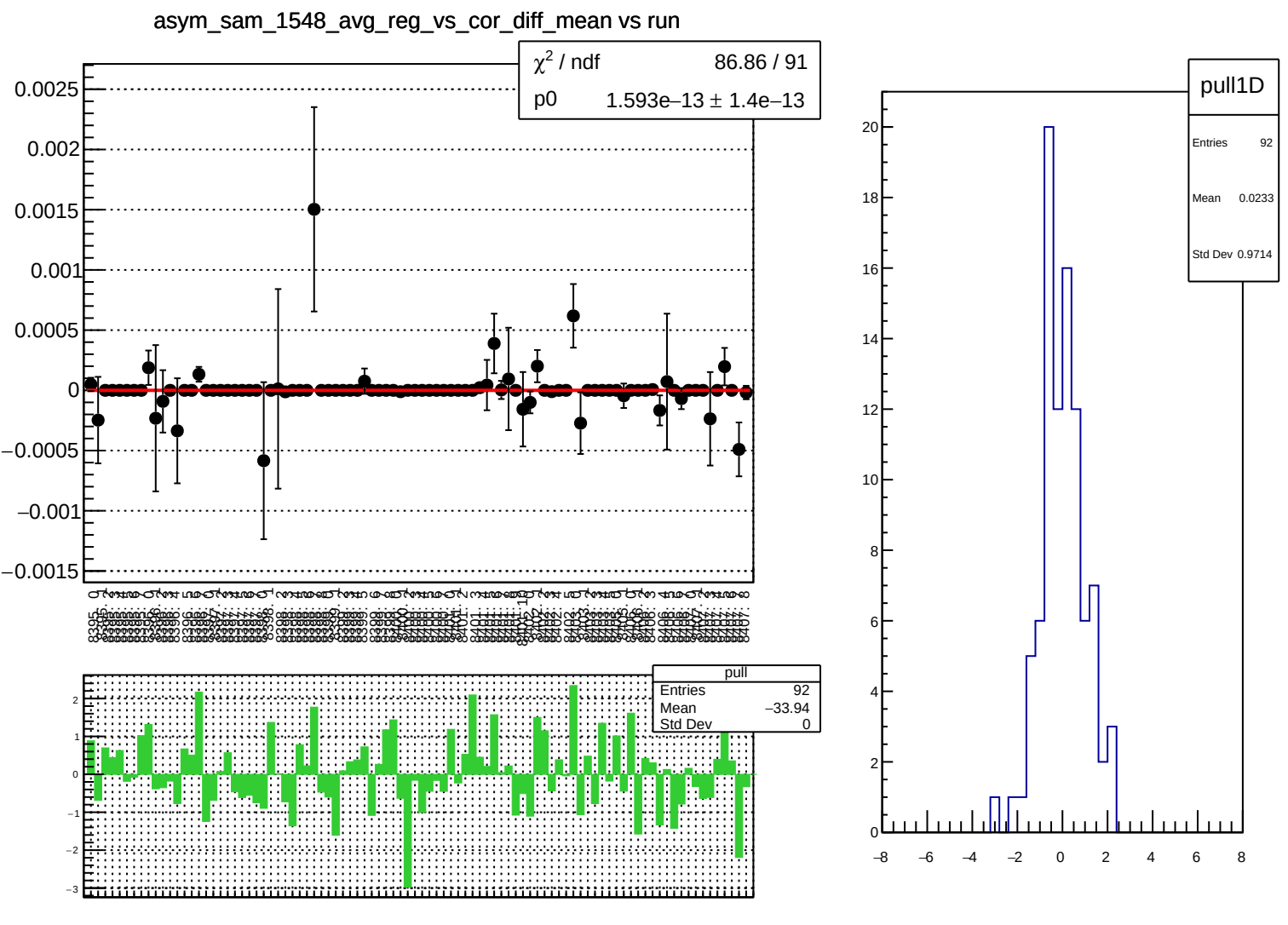

pull1D
Entries 92
Mean −0.001064
Std Dev 0.8849
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

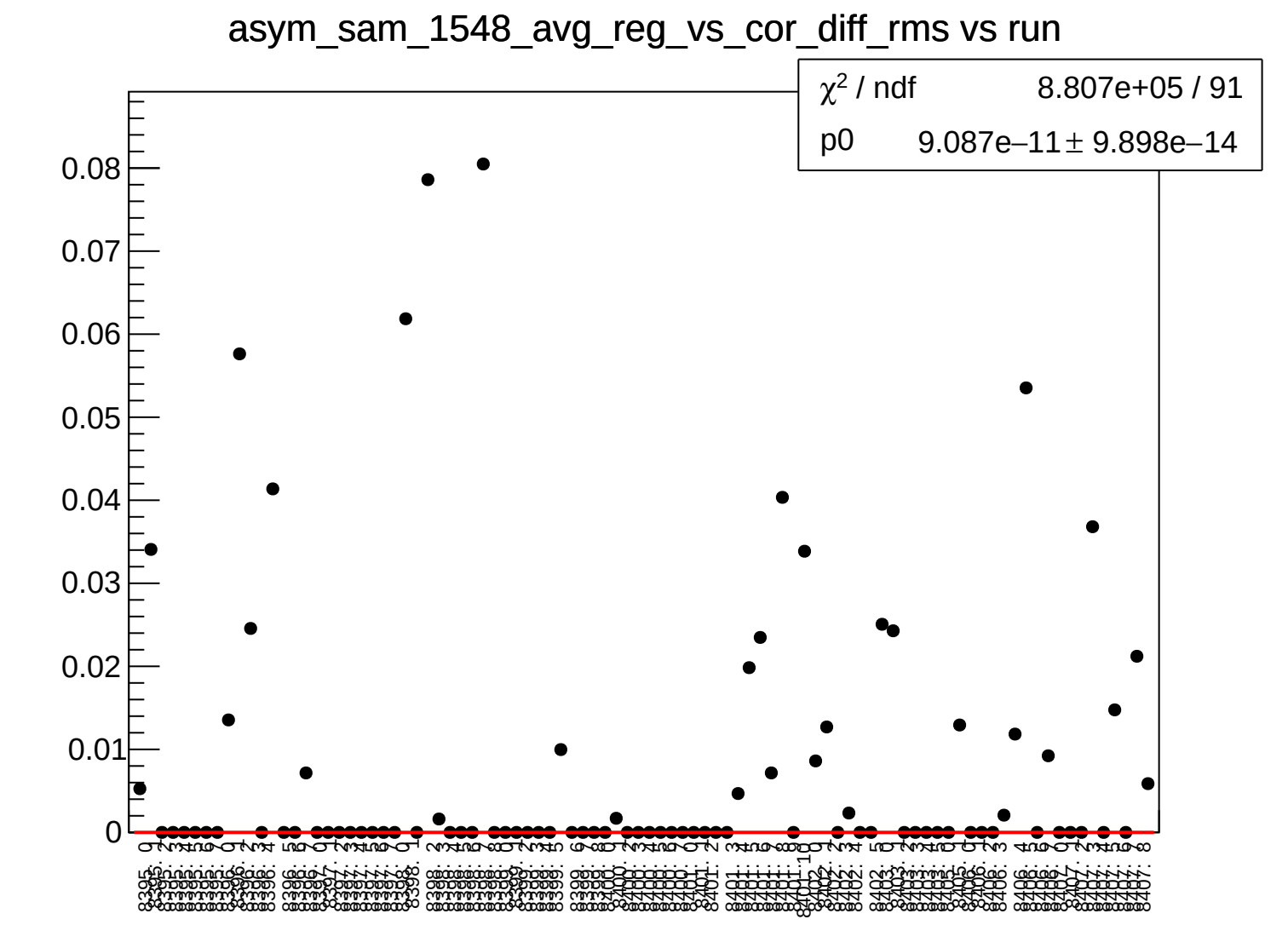

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 2102 / 91
p0 1229 ± 0.9365
1350
1300
1250
1200
1150

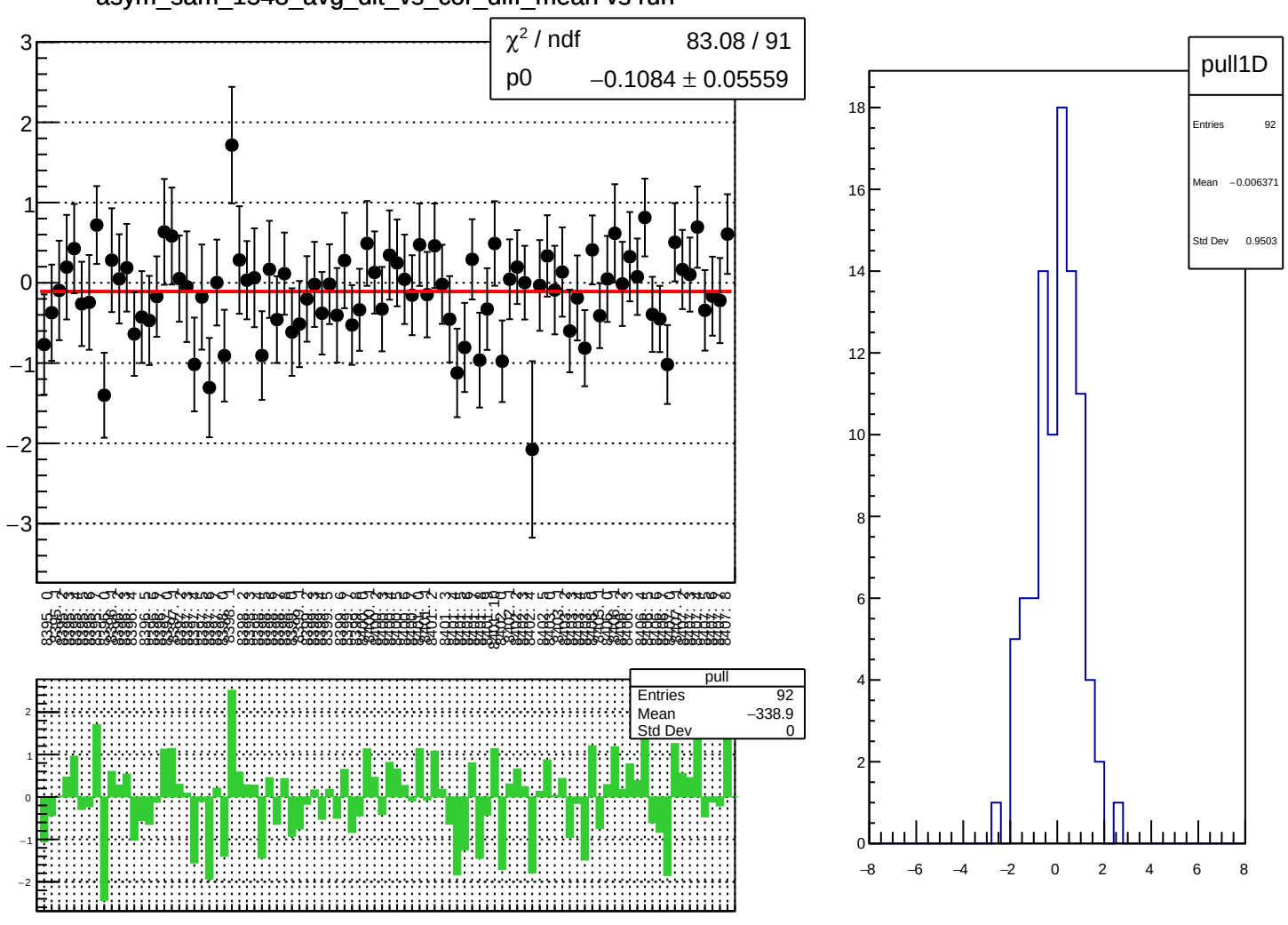

asym_sam_1548_avg_mean vs run
χ² / ndf 71.92 / 91
p0 1161 ± 1301
pull
Entries 92
Mean 321.4
Std Dev 0

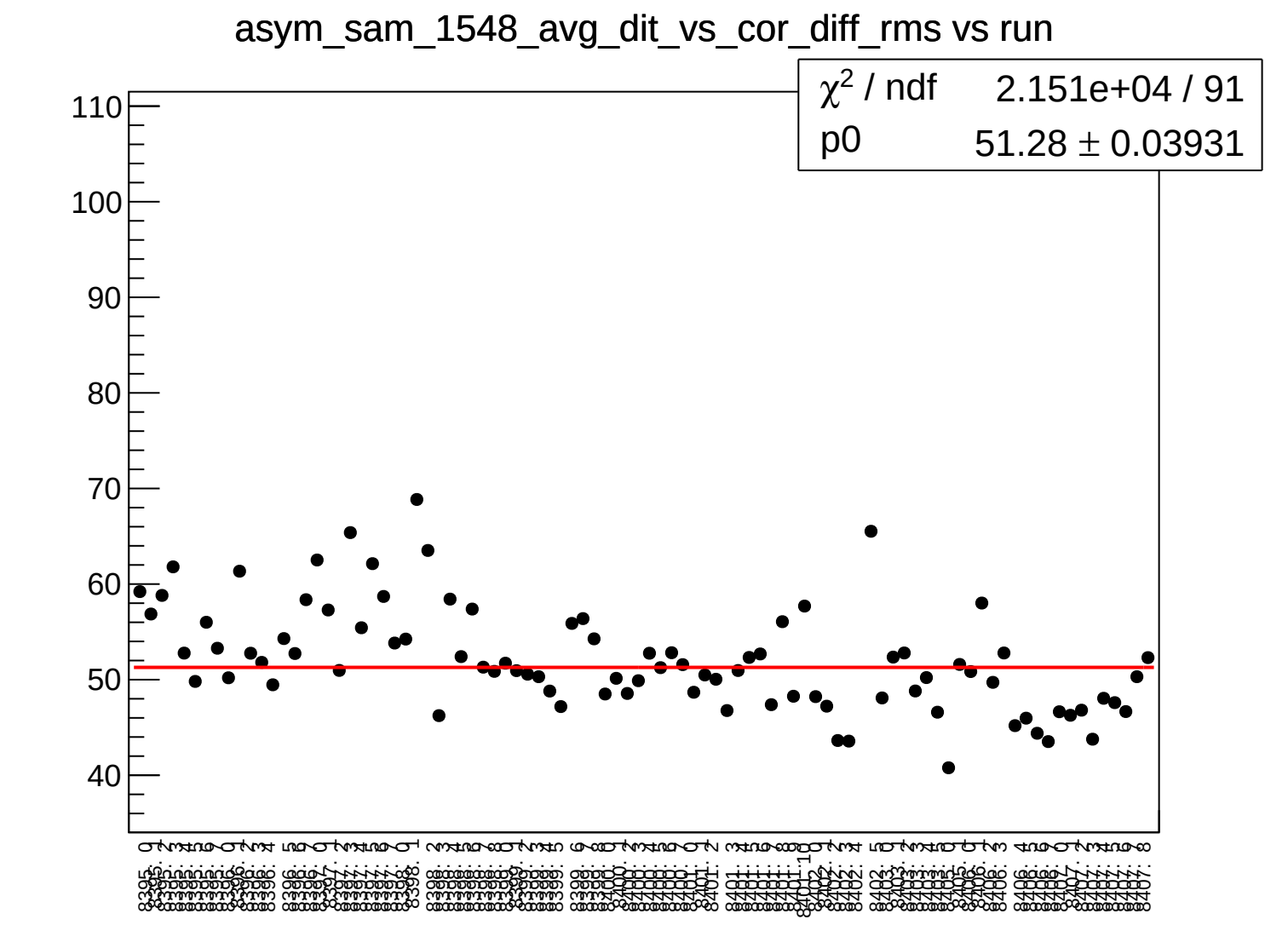

pull1D
Entries 92
Mean 0.0002966
Std Dev 0.8841

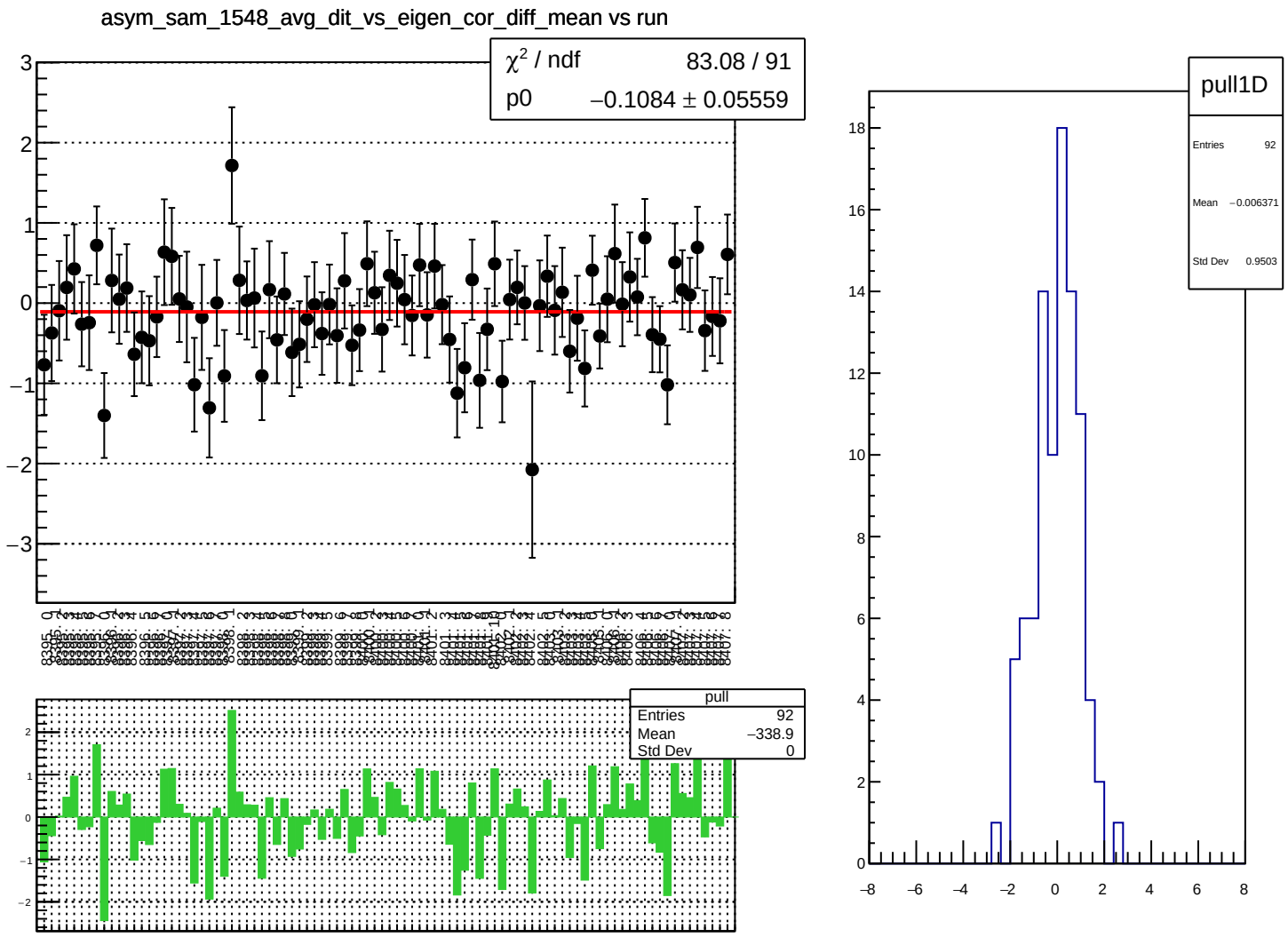

asym_sam_1548_avg_rms vs run
χ² / ndf 3007 / 91
p0 1206 ± 0.9197
1350
1300
1250
1200
1150
1100

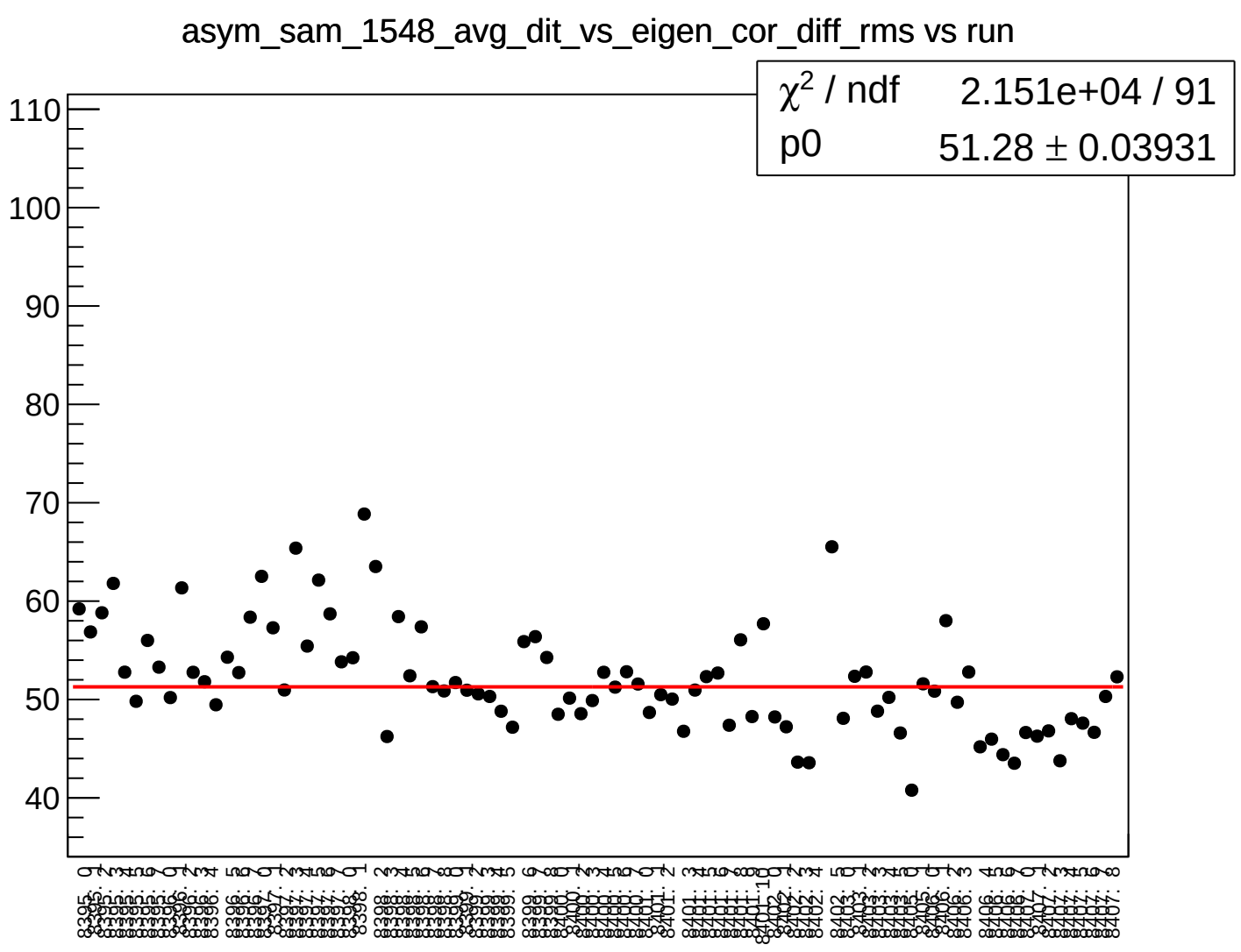

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 86.86 / 91
p0 1.593e−13 ± 1.4e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean −33.94
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean 0.0233
Std Dev 0.9714
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

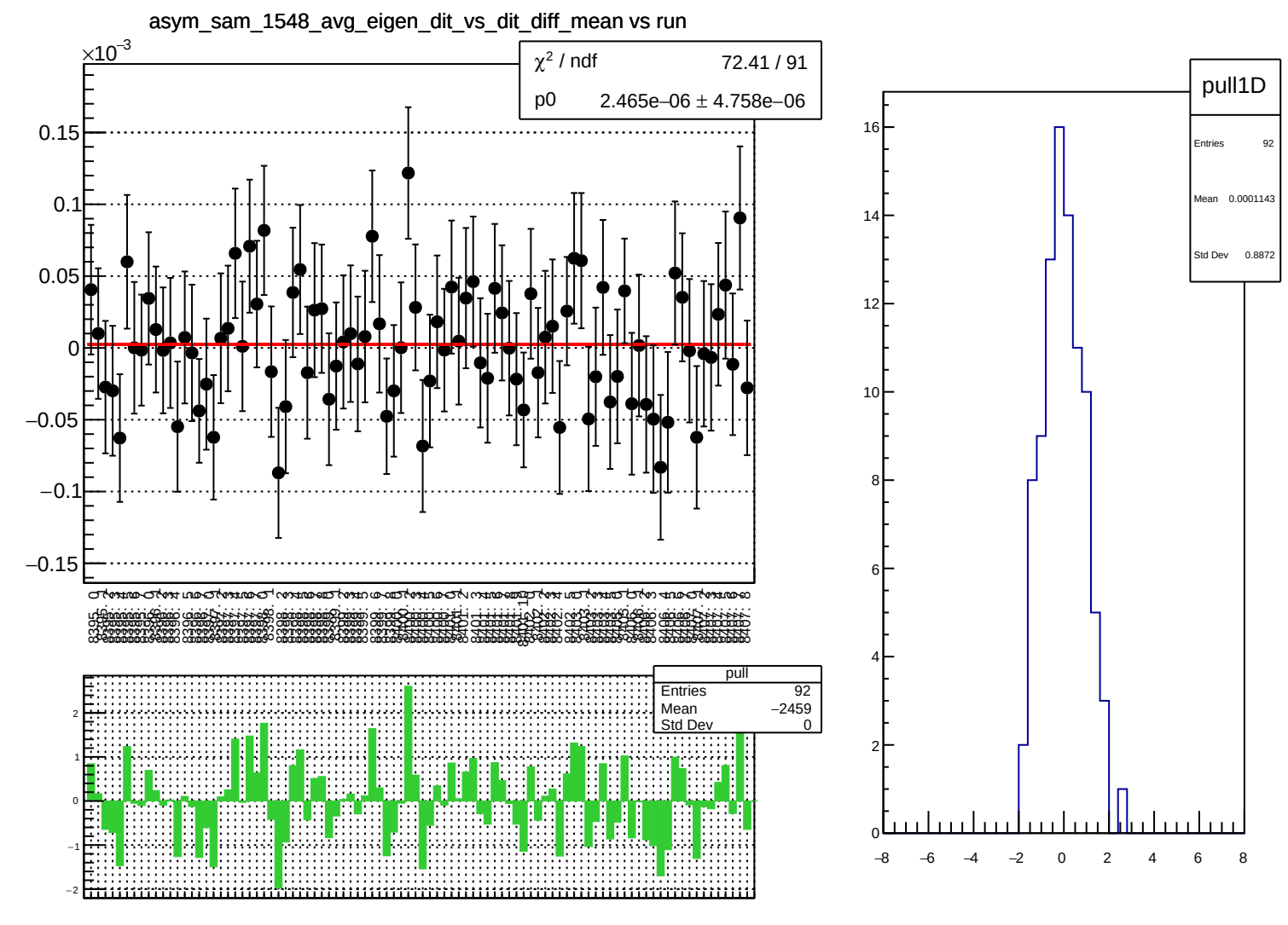

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
$\chi^2$ / ndf 8.807e+05 / 91
p0 9.087e−11 ± 9.898e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

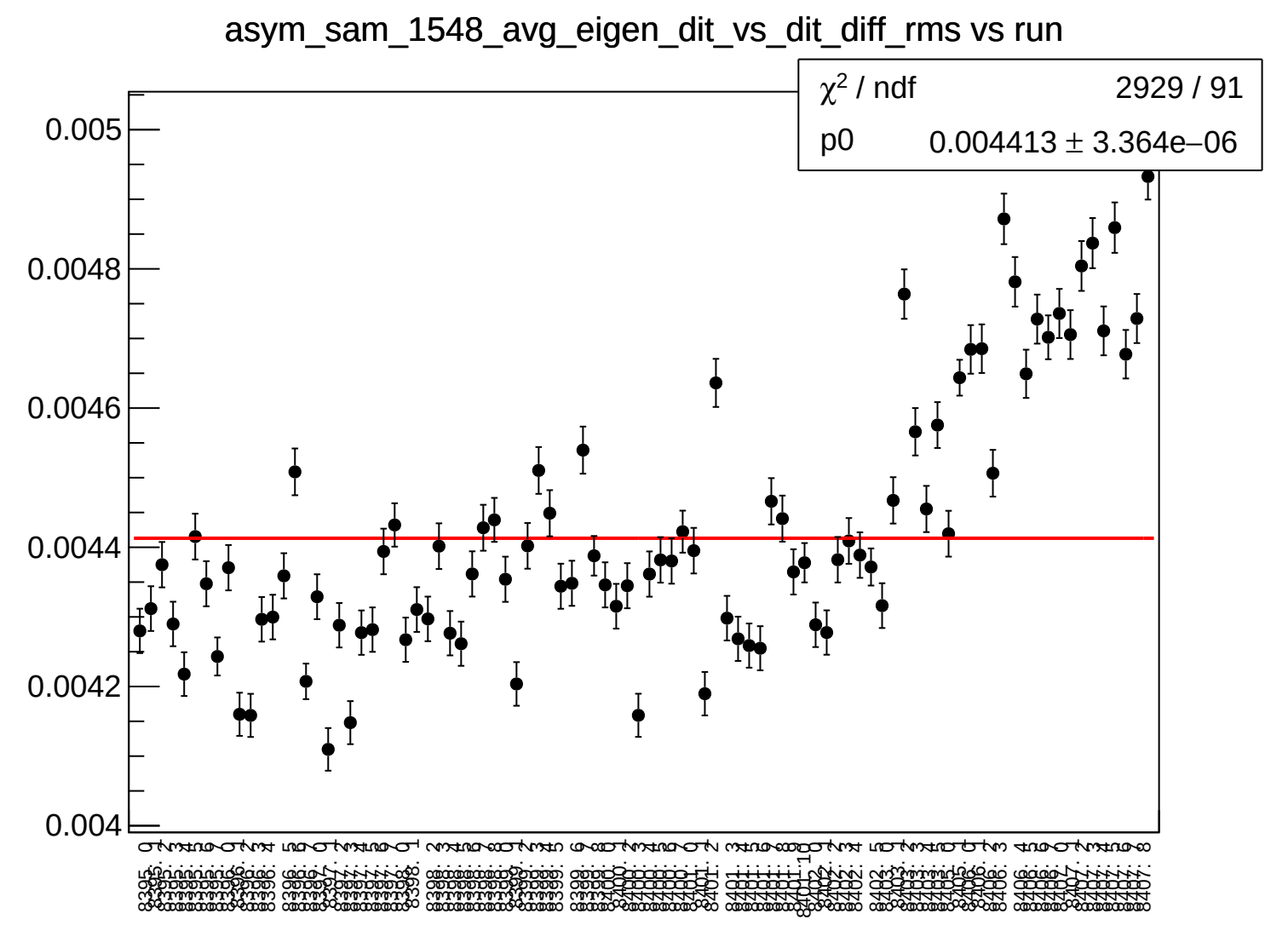

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.08 / 91
p0 −0.1084 ± 0.05559
pull
Entries 92
Mean −338.9
Std Dev 0
pull1D
Entries 92
Mean −0.006371
Std Dev 0.9503

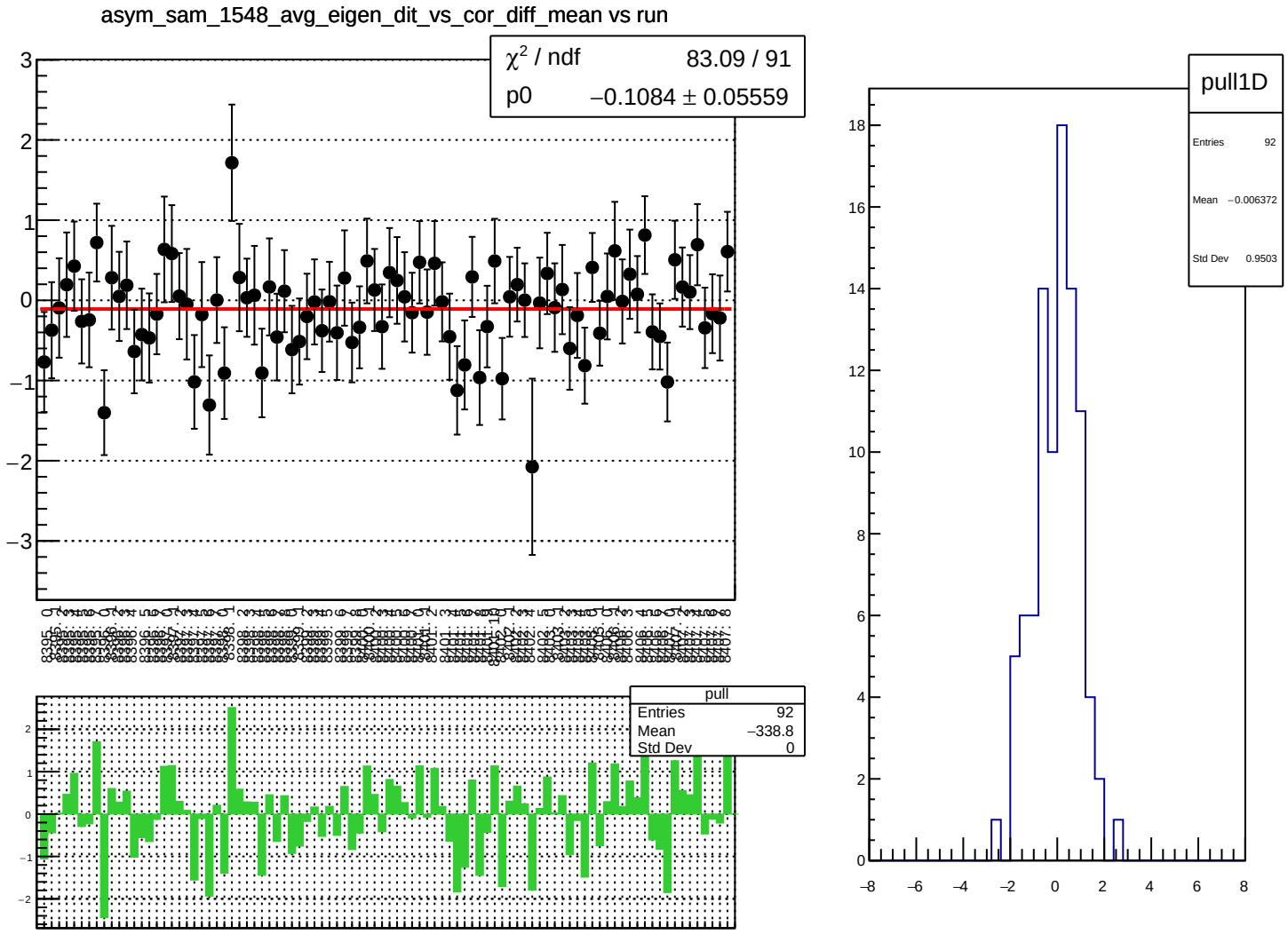

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 2.151e+04 / 91
p0 51.28 ± 0.03931
110
100
90
80
70
60
50
40

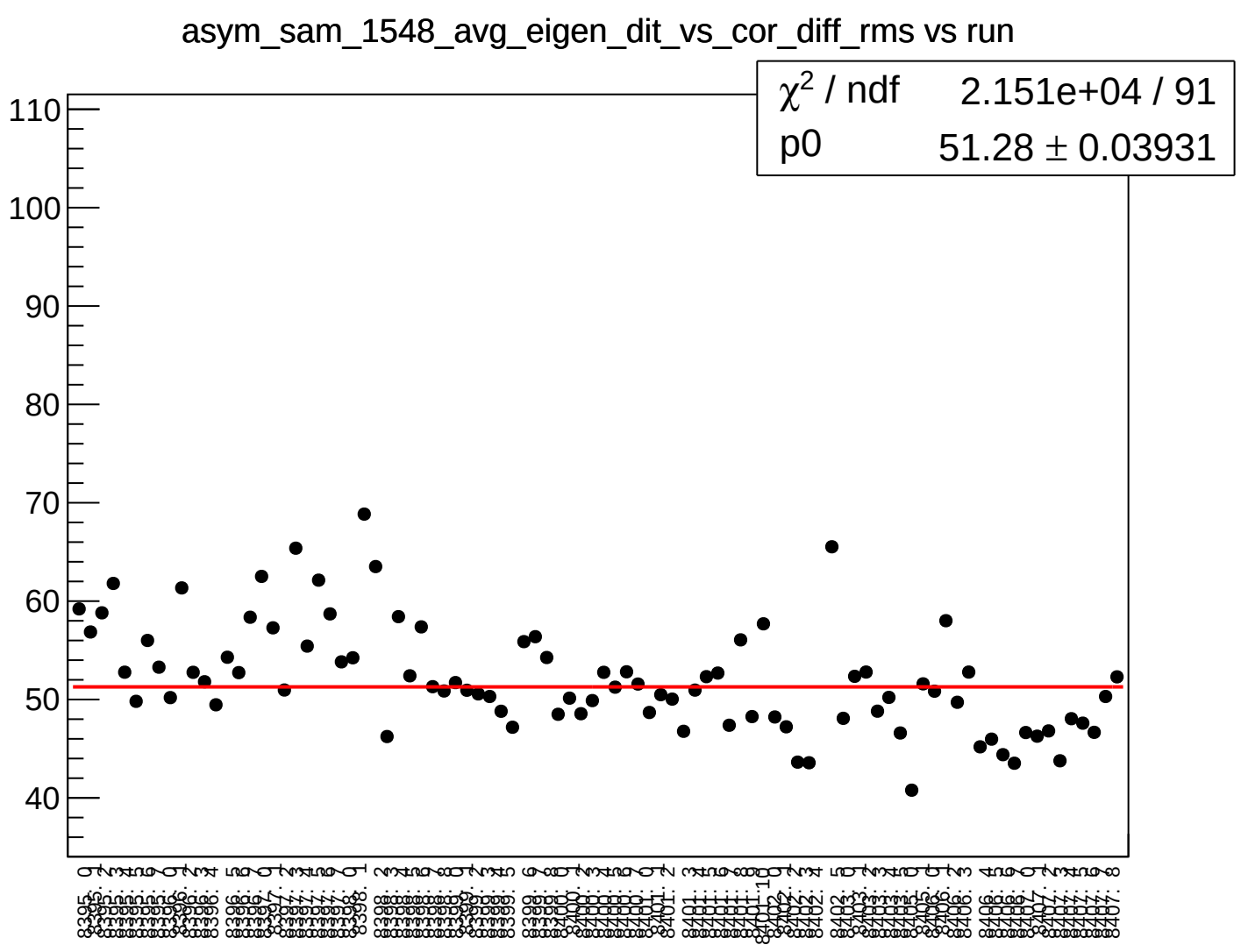

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.08 / 91
p0 −0.1084 ± 0.05559
pull
Entries 92
Mean −338.9
Std Dev 0
pull1D
Entries 92
Mean −0.006371
Std Dev 0.9503

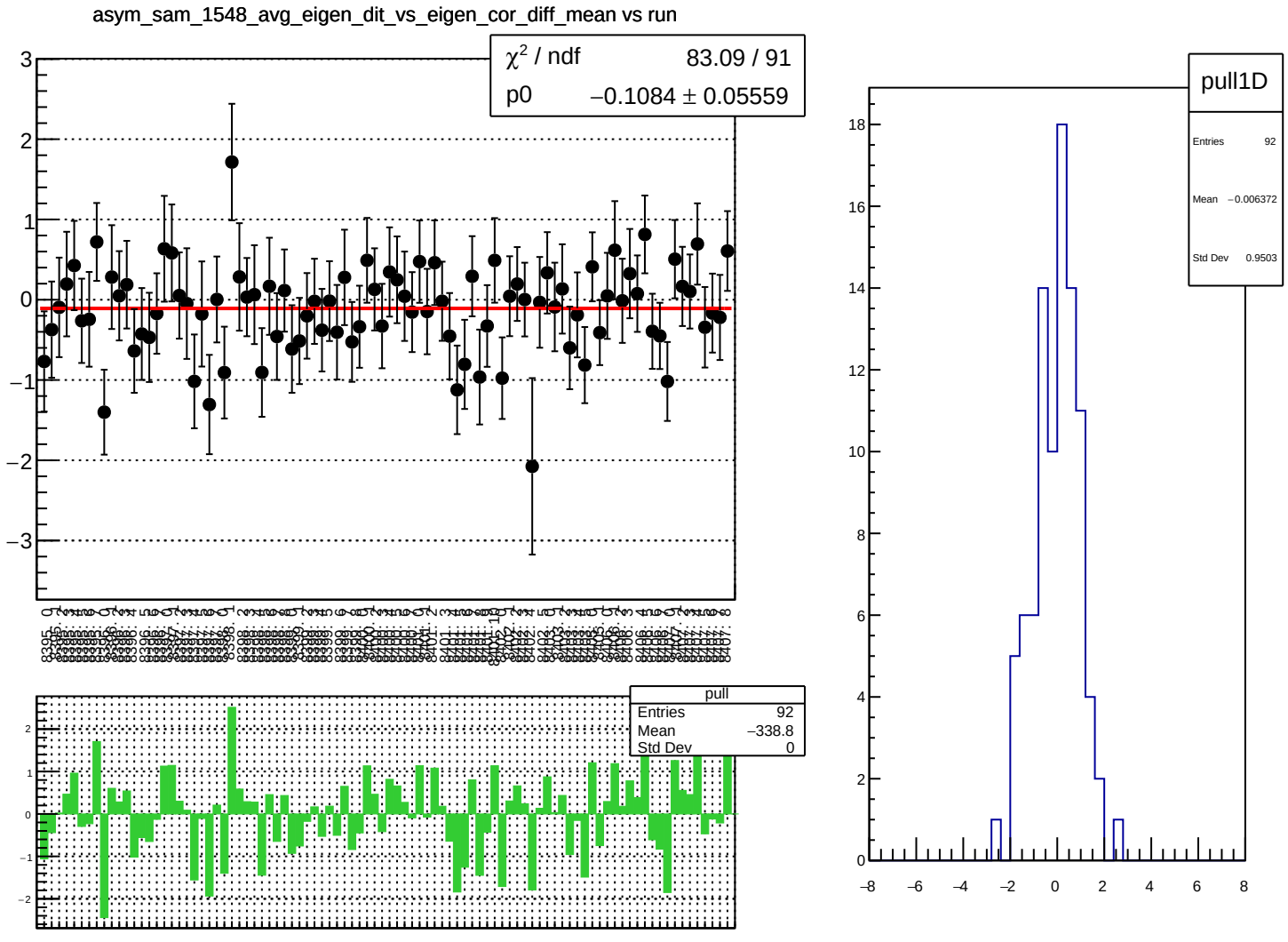

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 2.151e+04 / 91
p0 51.28 ± 0.03931
110
100
90
80
70
60
50
40

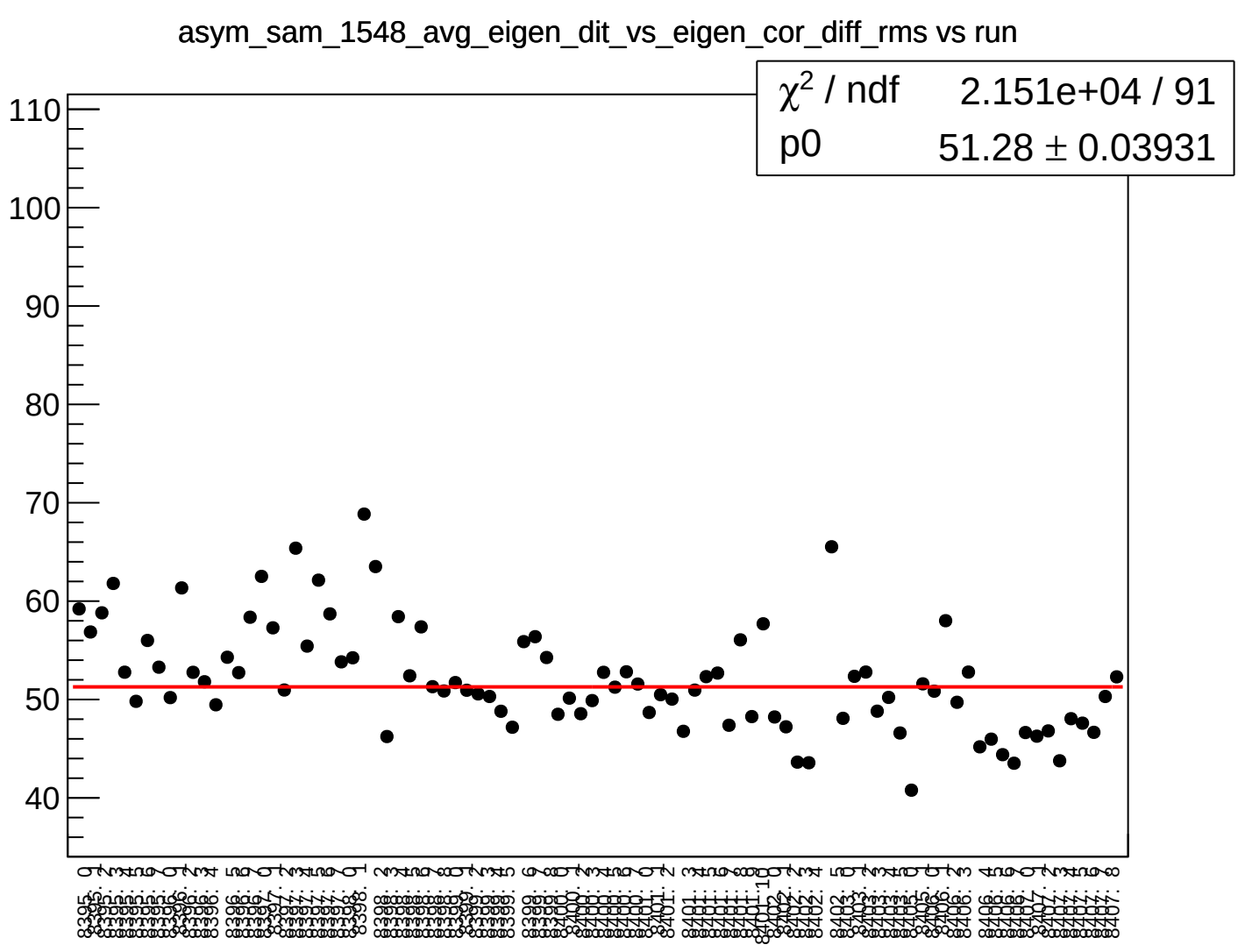

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.41 / 91
p0 2.465e−06 ± 4.758e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean −2459
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.0001143
Std Dev 0.8872
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

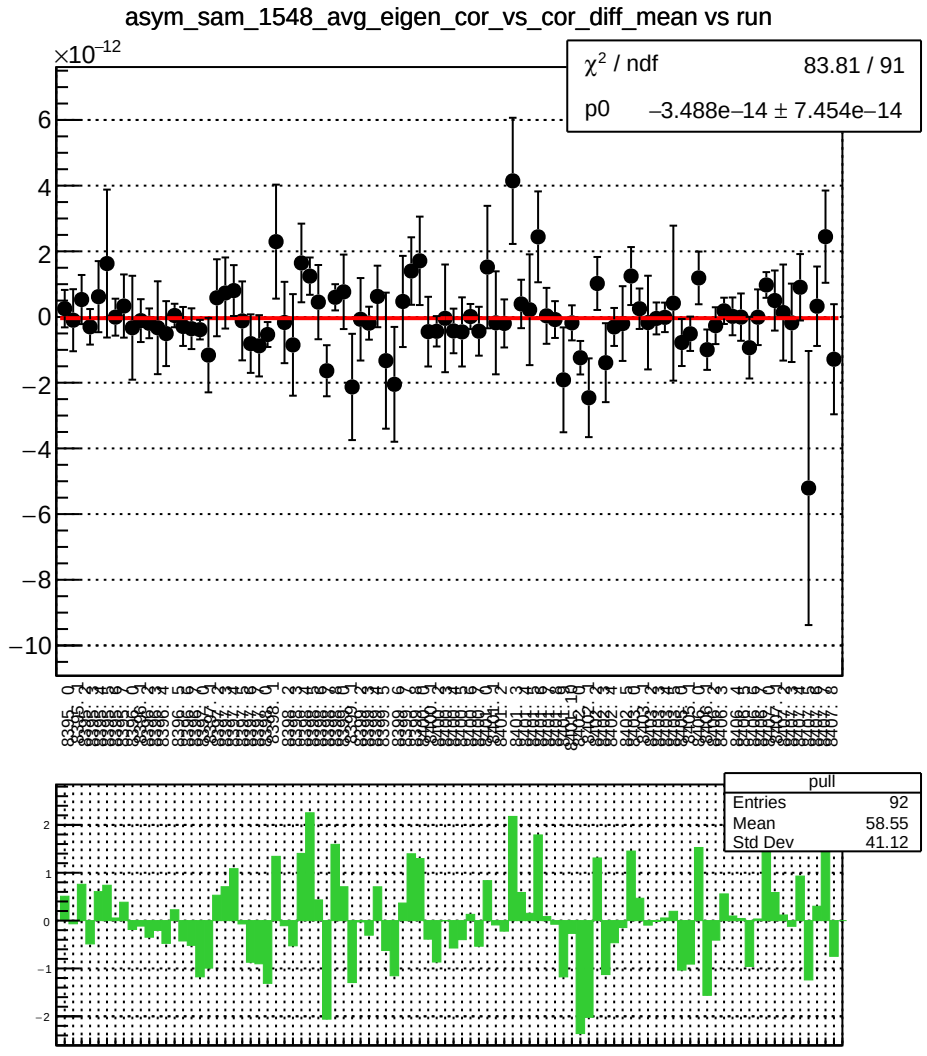

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2929 / 91
p0 0.004413 ± 3.364e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004

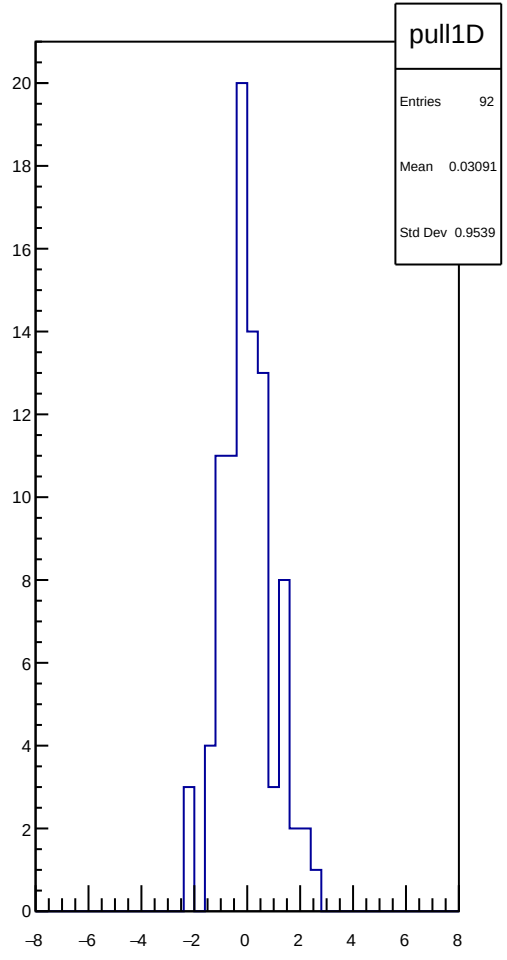

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.09 / 91
p0 −0.1084 ± 0.05559
pull
Entries 92
Mean −338.8
Std Dev 0
pull1D
Entries 92
Mean −0.006372
Std Dev 0.9503

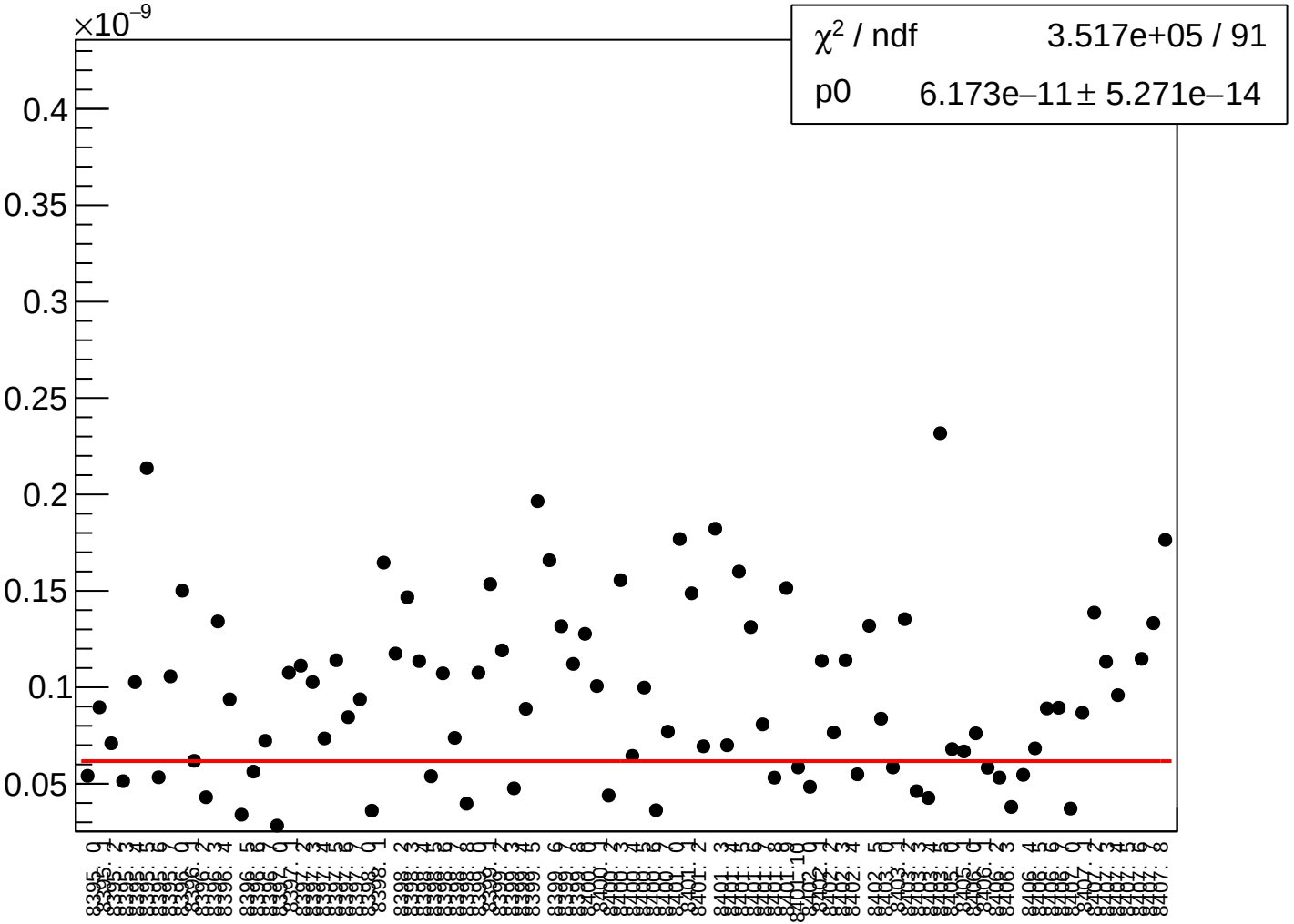

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 2.151e+04 / 91
p0 51.28 ± 0.03931
110
100
90
80
70
60
50
40

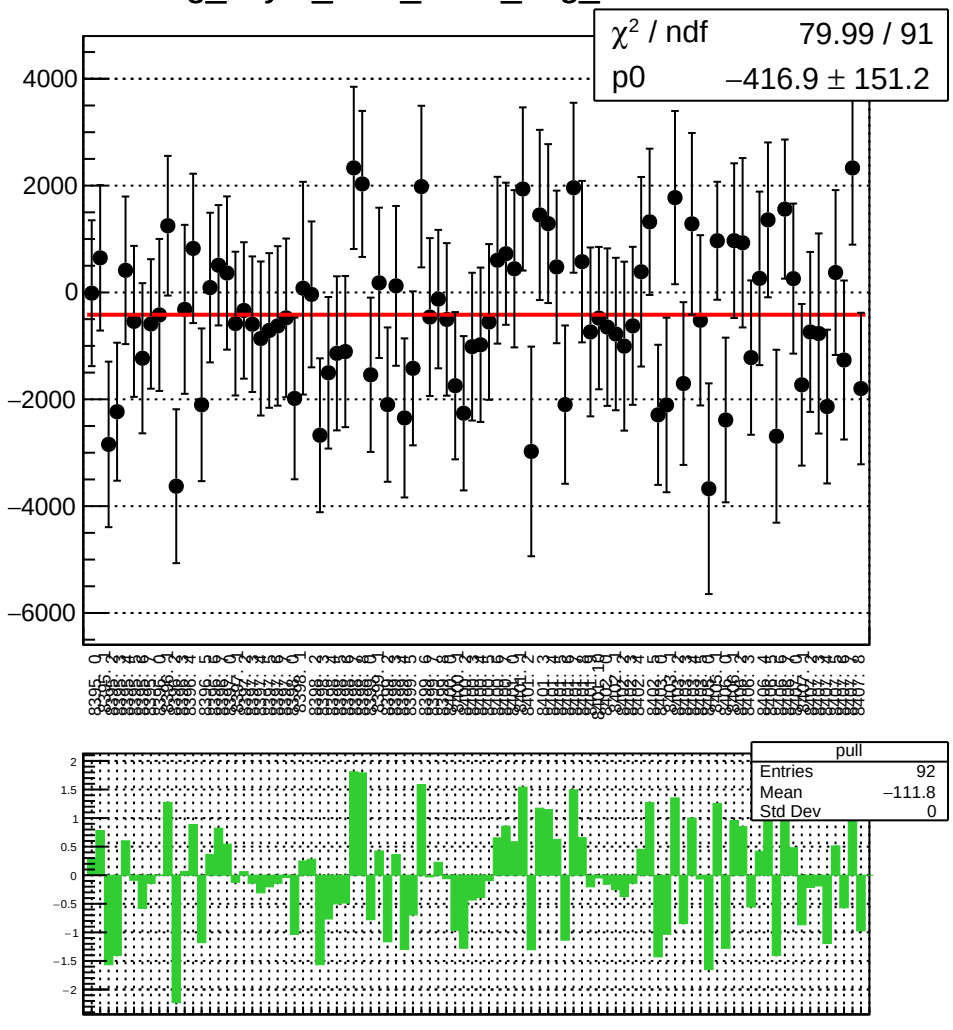

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.09 / 91
p0 −0.1084 ± 0.05559
pull
Entries 92
Mean −338.8
Std Dev 0
pull1D
Entries 92
Mean −0.006372
Std Dev 0.9503

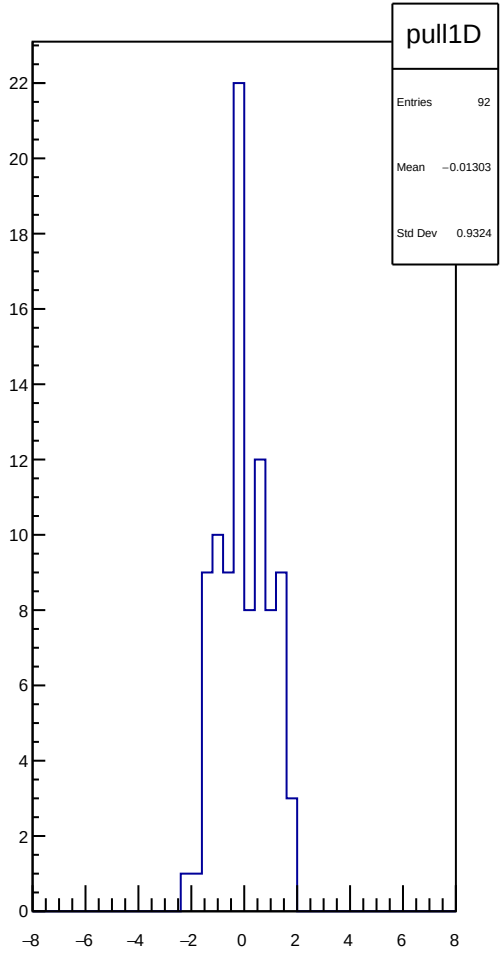

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.151e+04 / 91
p0 51.28 ± 0.03931
110
100
90
80
70
60
50
40

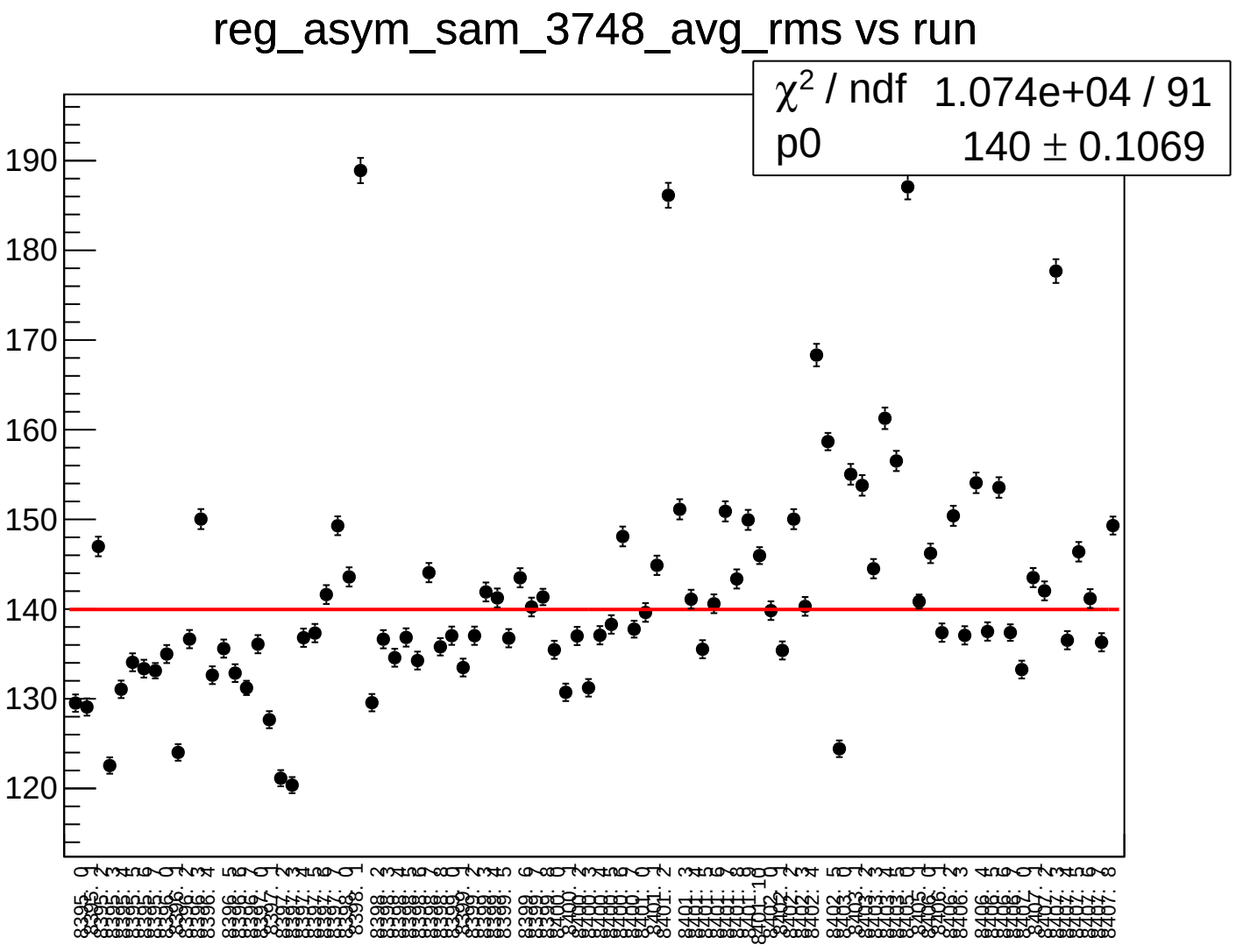

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.81 / 91
p0 −3.488e−14 ± 7.454e−14
pull
Entries 92
Mean 58.55
Std Dev 41.12

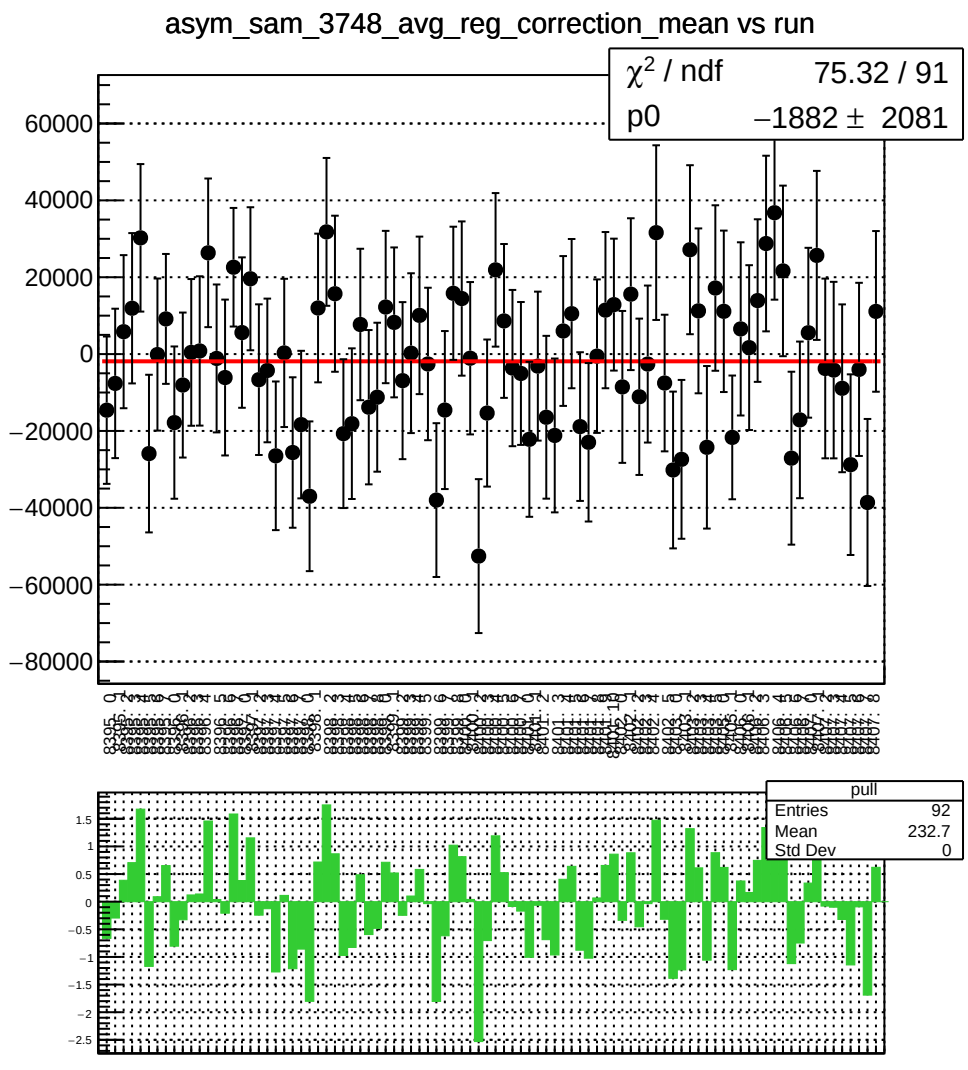

pull1D
Entries 92
Mean 0.03091
Std Dev 0.9539

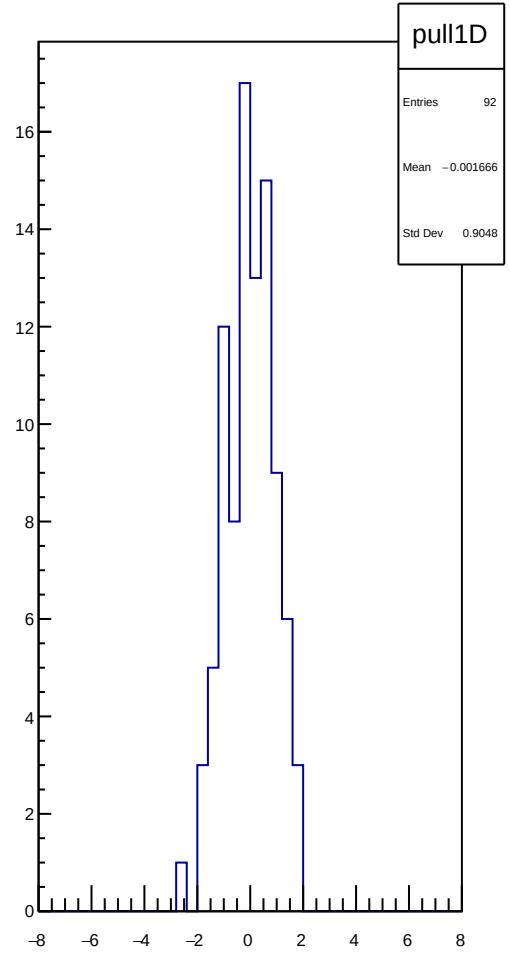

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.517e+05 / 91
p0 6.173e−11 ± 5.271e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

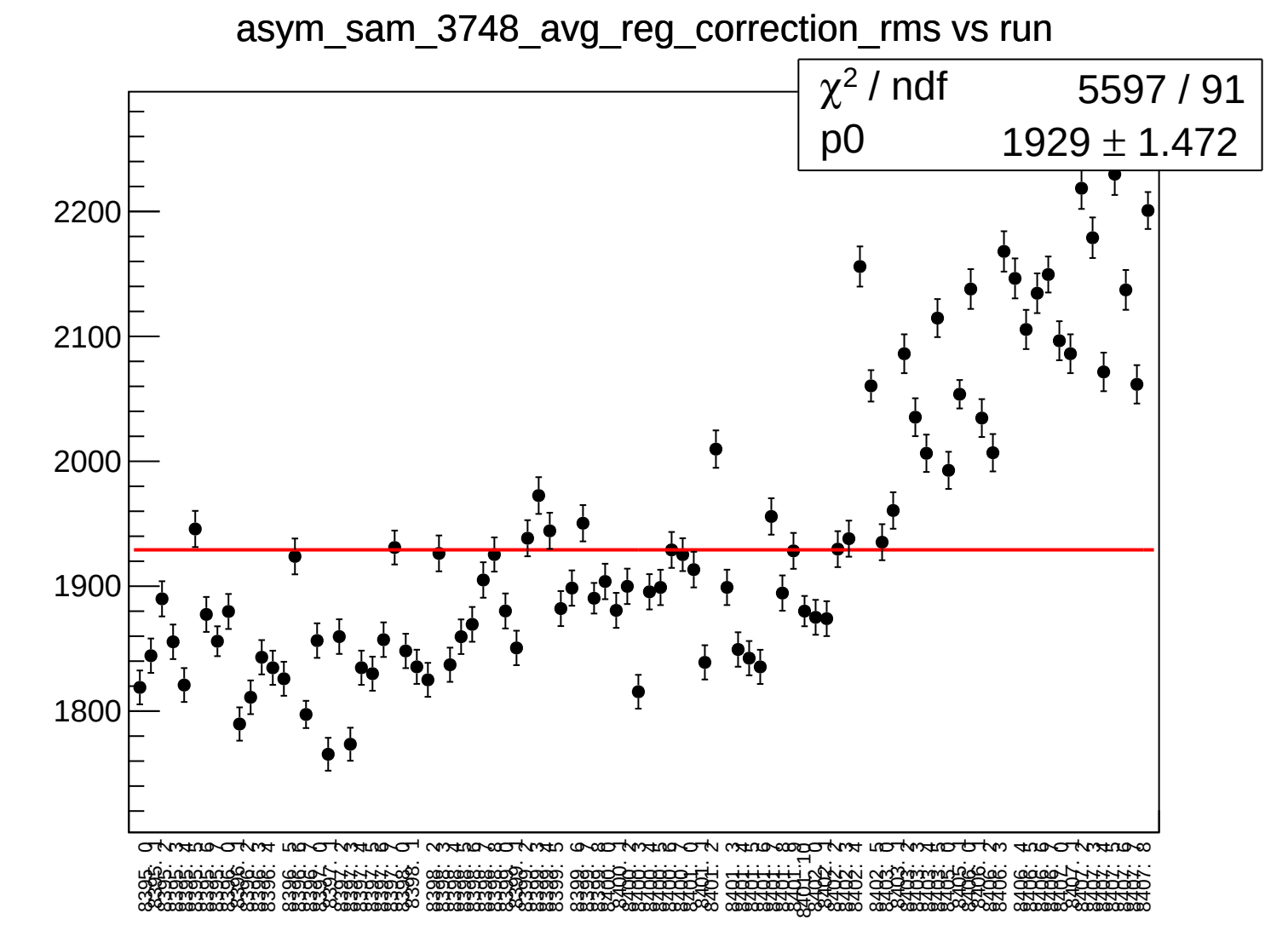

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 79.99 / 91
p0 −416.9 ± 151.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −111.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

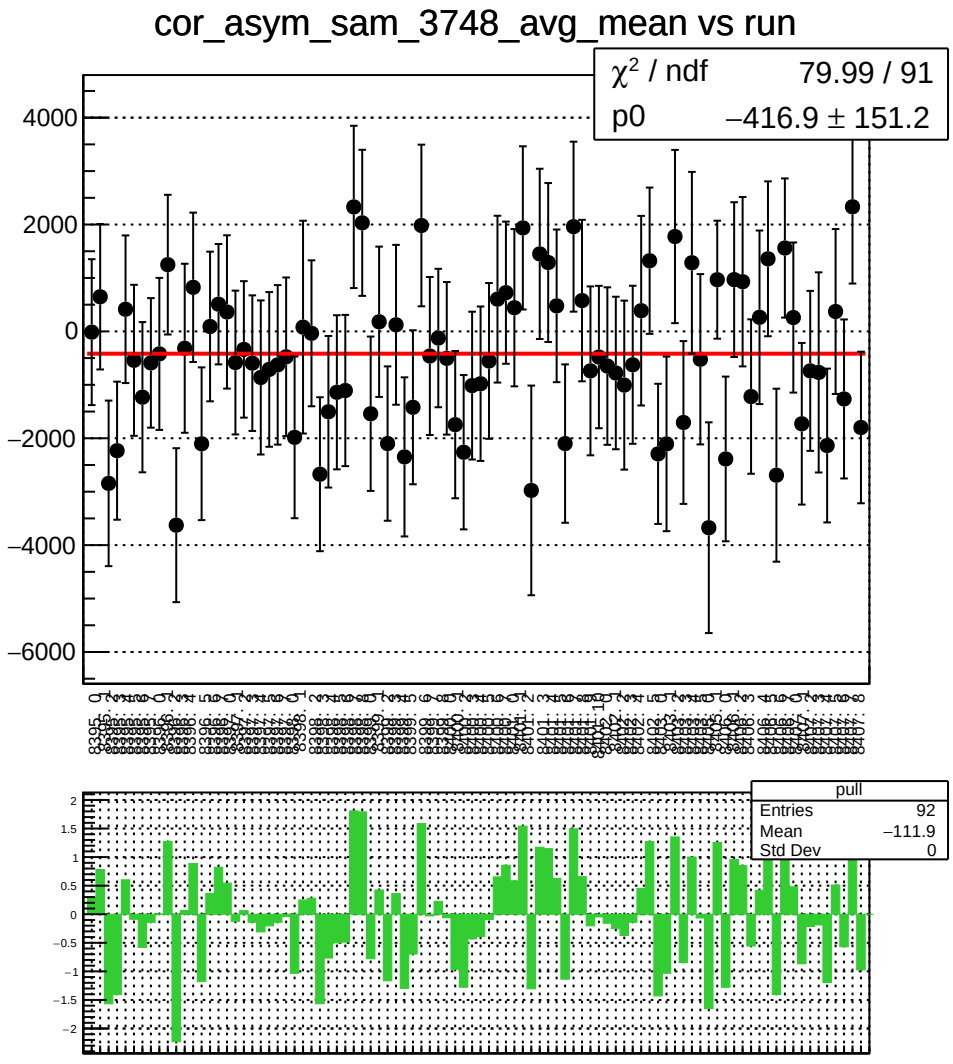

pull1D
Entries 92
Mean −0.01303
Std Dev 0.9324
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

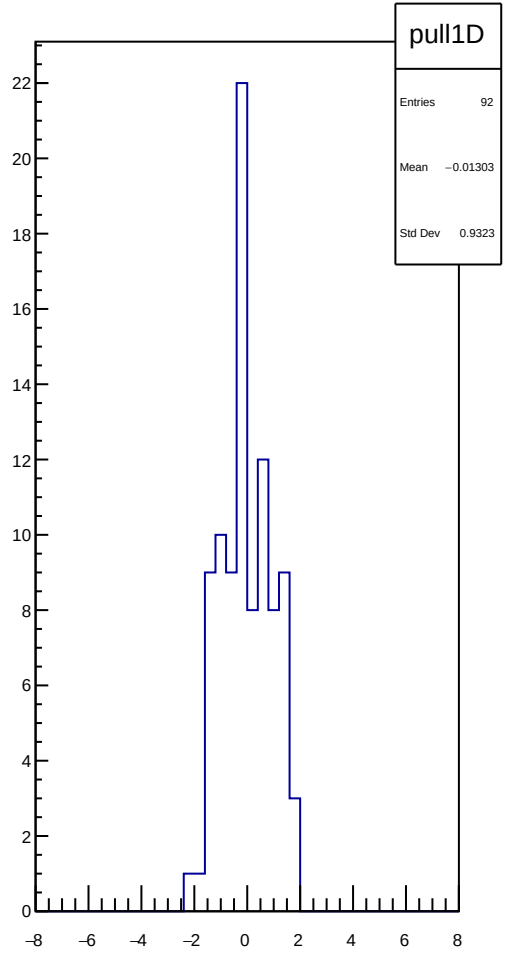

reg_asym_sam_3748_avg_rms vs run
$\chi^2$ / ndf 1.074e+04 / 91
p0 140 ± 0.1069
190
180
170
160
150
140
130
120

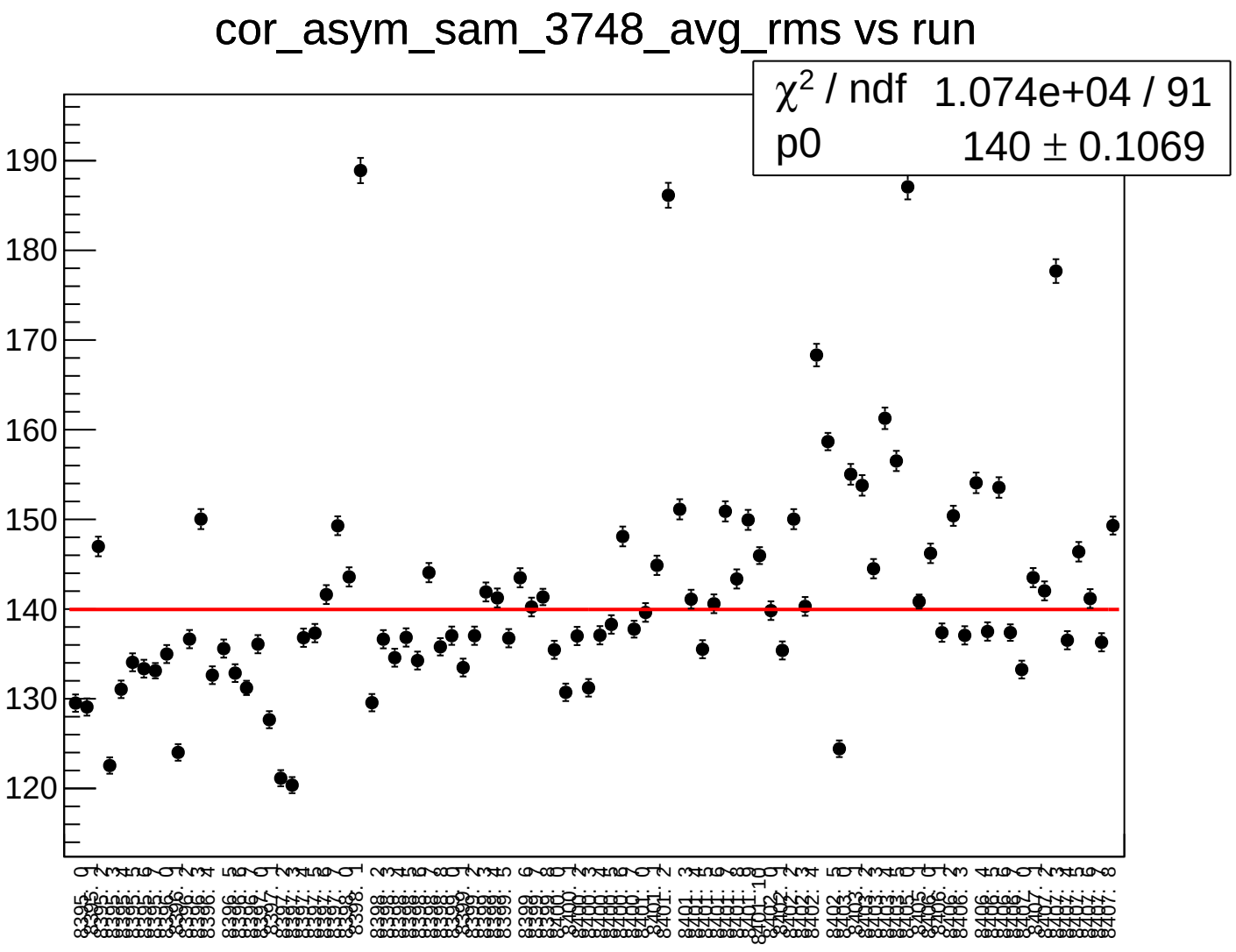

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 75.32 / 91
p0 −1882 ± 2081
pull
Entries 92
Mean 232.7
Std Dev 0

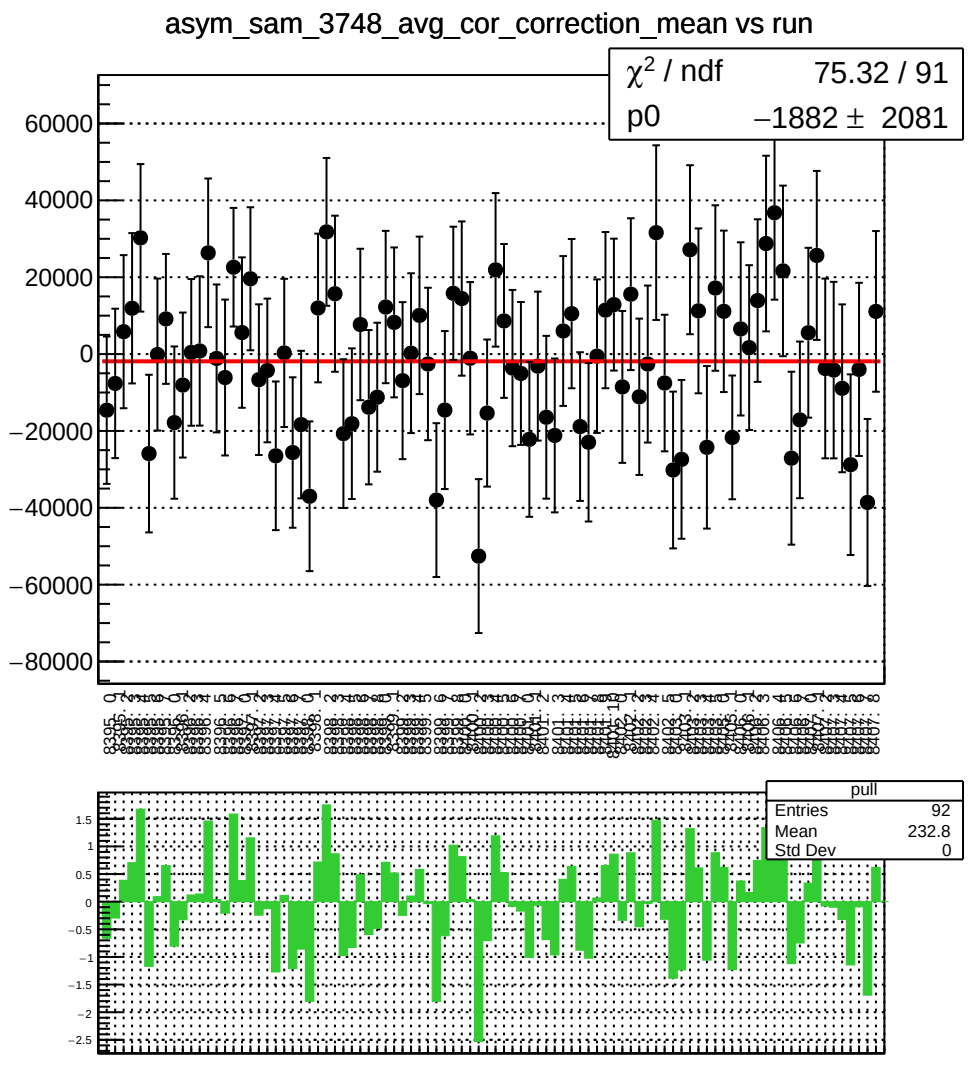

pull1D
Entries 92
Mean −0.001666
Std Dev 0.9048

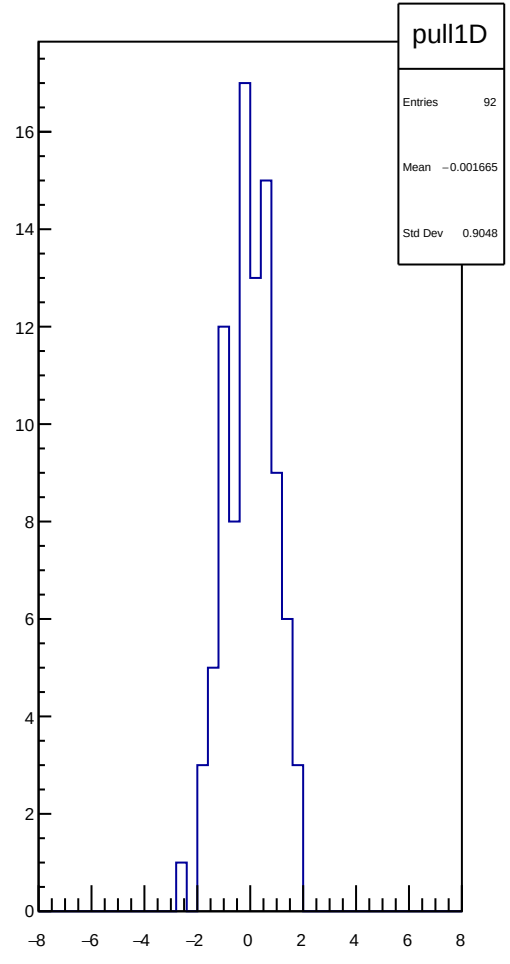

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 5597 / 91
p0 1929 ± 1.472
2200
2100
2000
1900
1800

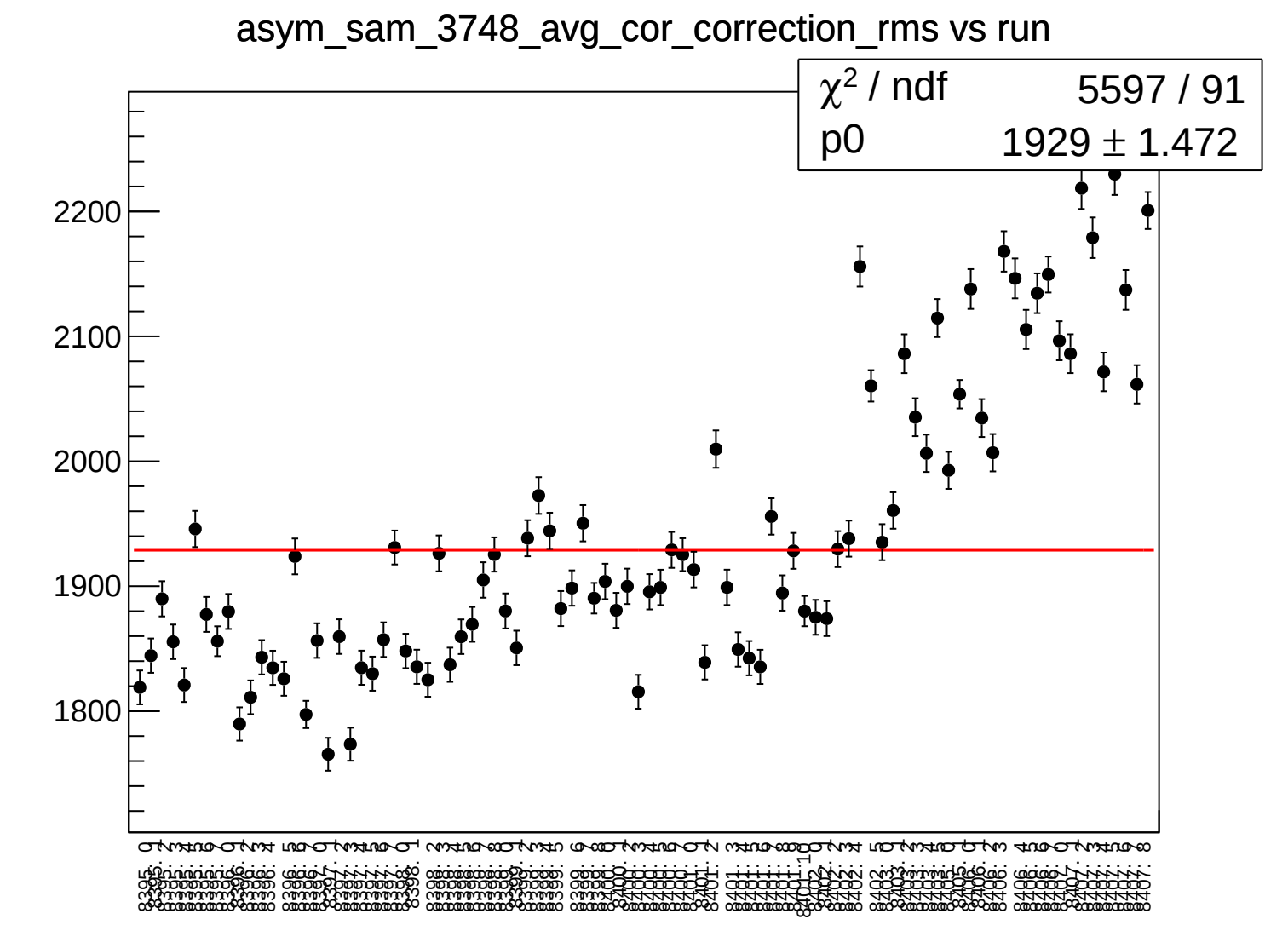

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 79.99 / 91
p0 −416.9 ± 151.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −111.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

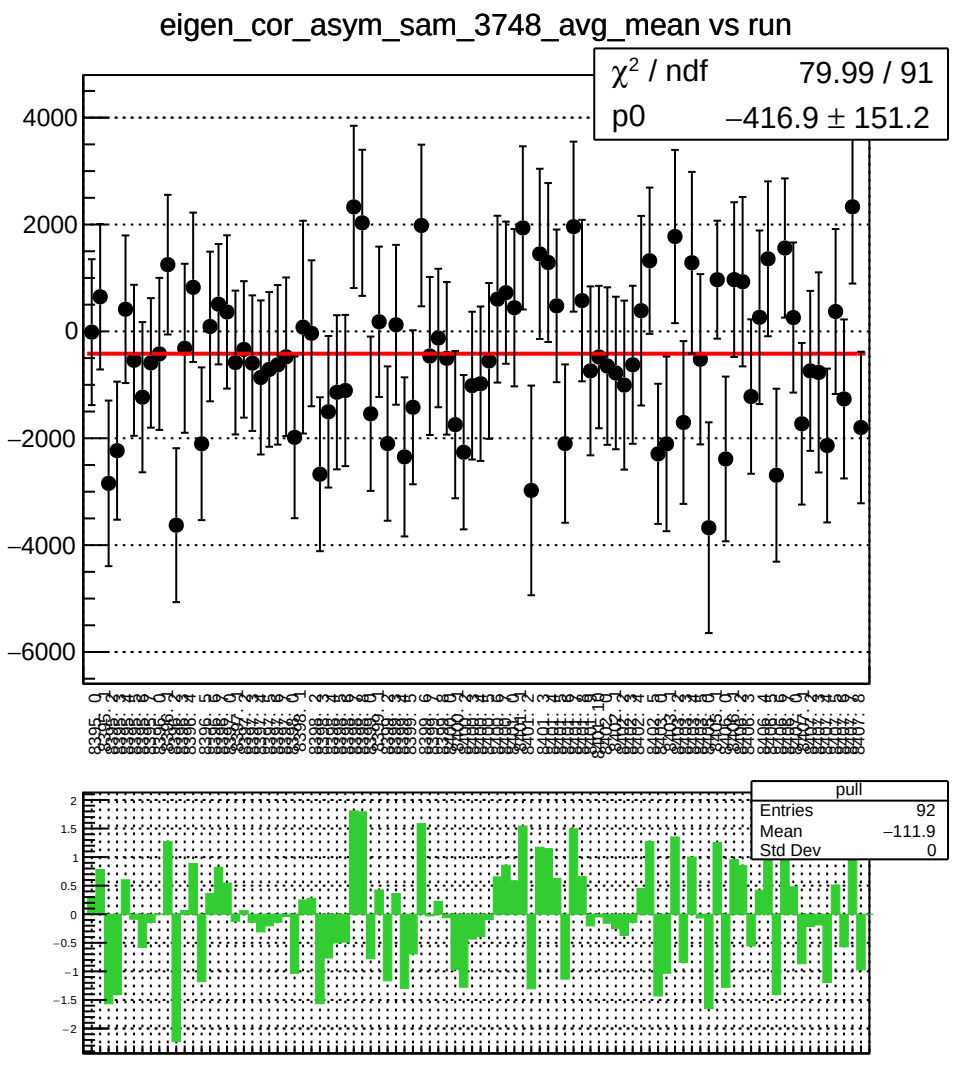

pull1D
Entries 92
Mean −0.01303
Std Dev 0.9323
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

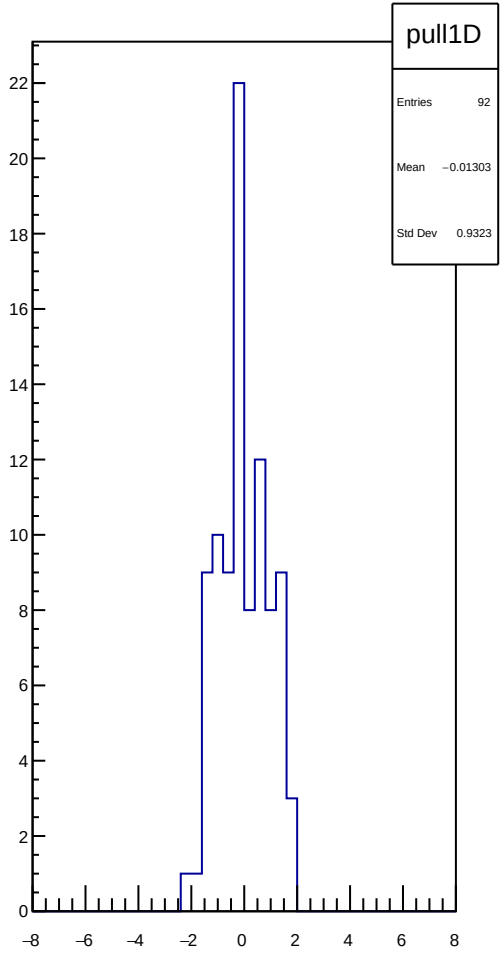

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.074e+04 / 91
p0 140 ± 0.1069
190
180
170
160
150
140
130
120

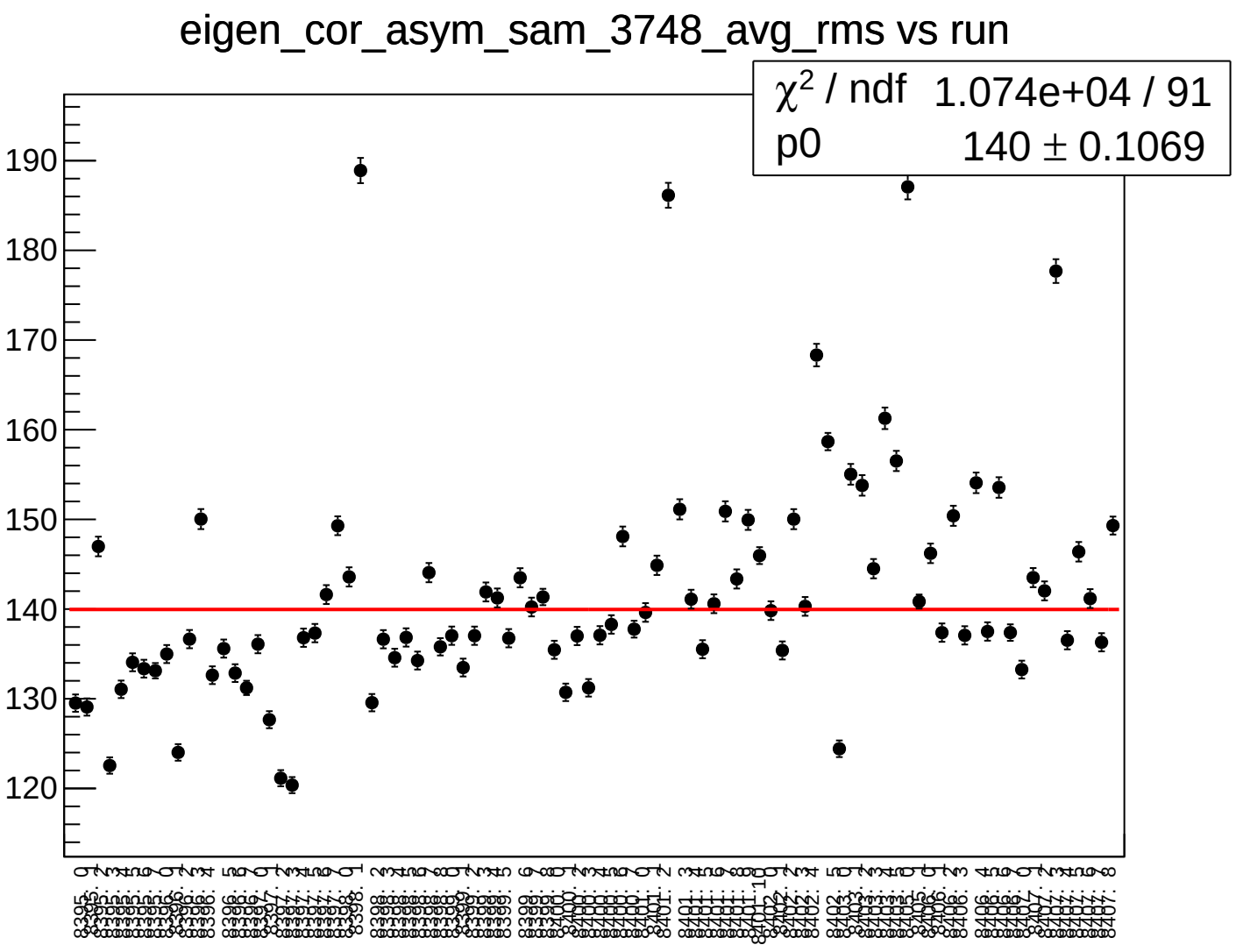

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 75.32 / 91
p0 −1882 ± 2081
pull
Entries 92
Mean 232.8
Std Dev 0

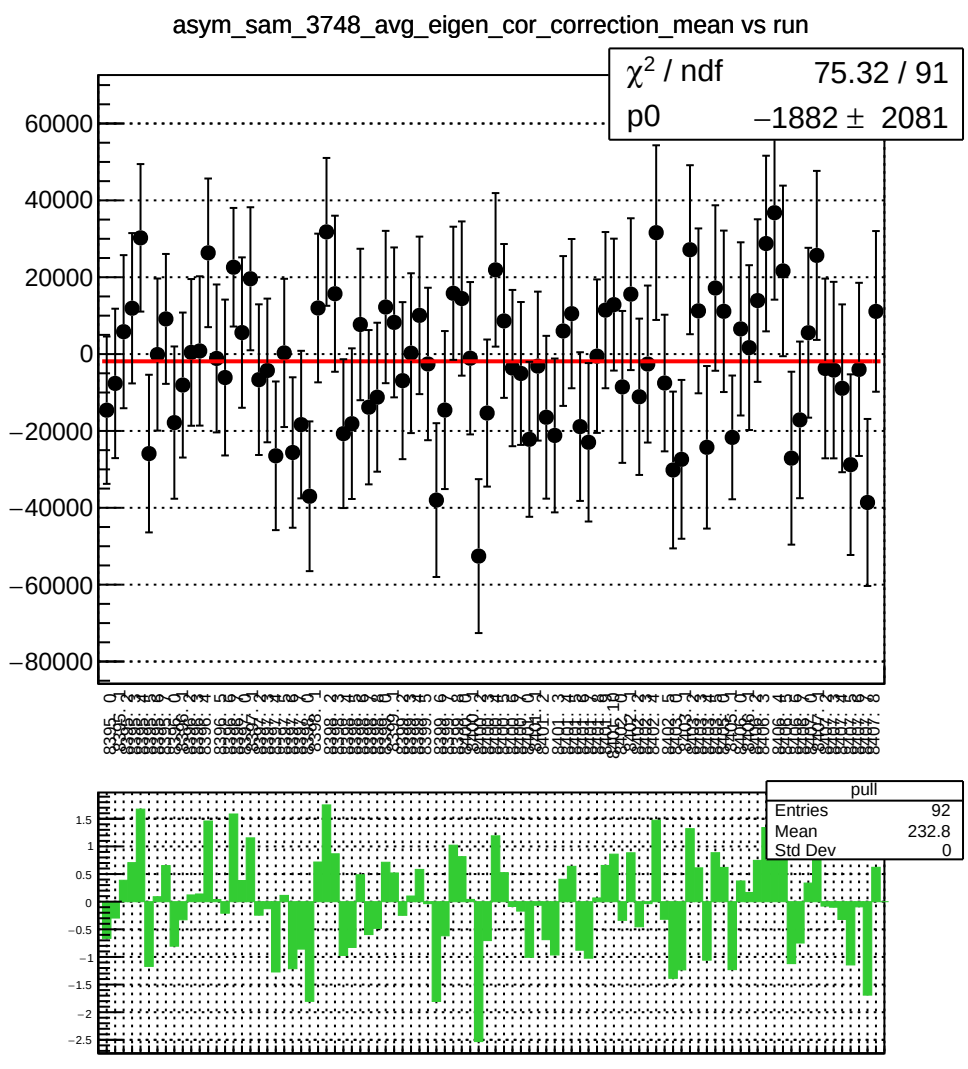

pull1D
Entries 92
Mean −0.001665
Std Dev 0.9048

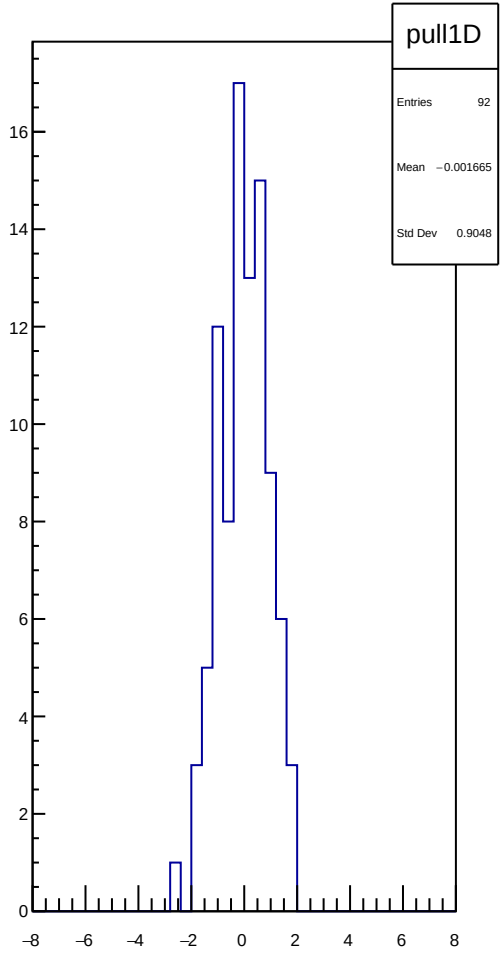

asym_sam_3748_avg_cor_correction_rms vs run
$\chi^2$ / ndf 5597 / 91
p0 1929 ± 1.472
2200
2100
2000
1900
1800

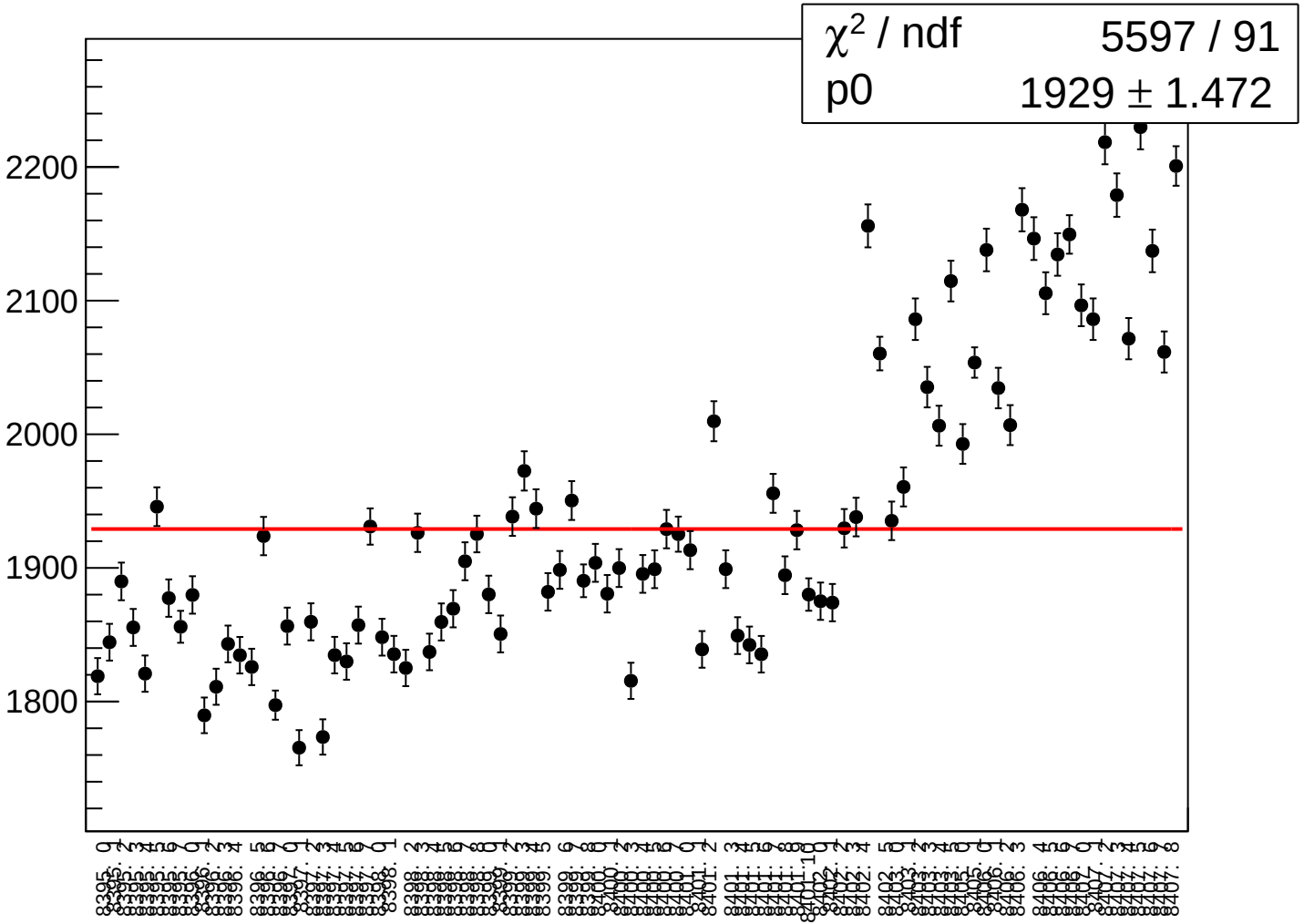

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 79.99 / 91
p0 −416.9 ± 151.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −111.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

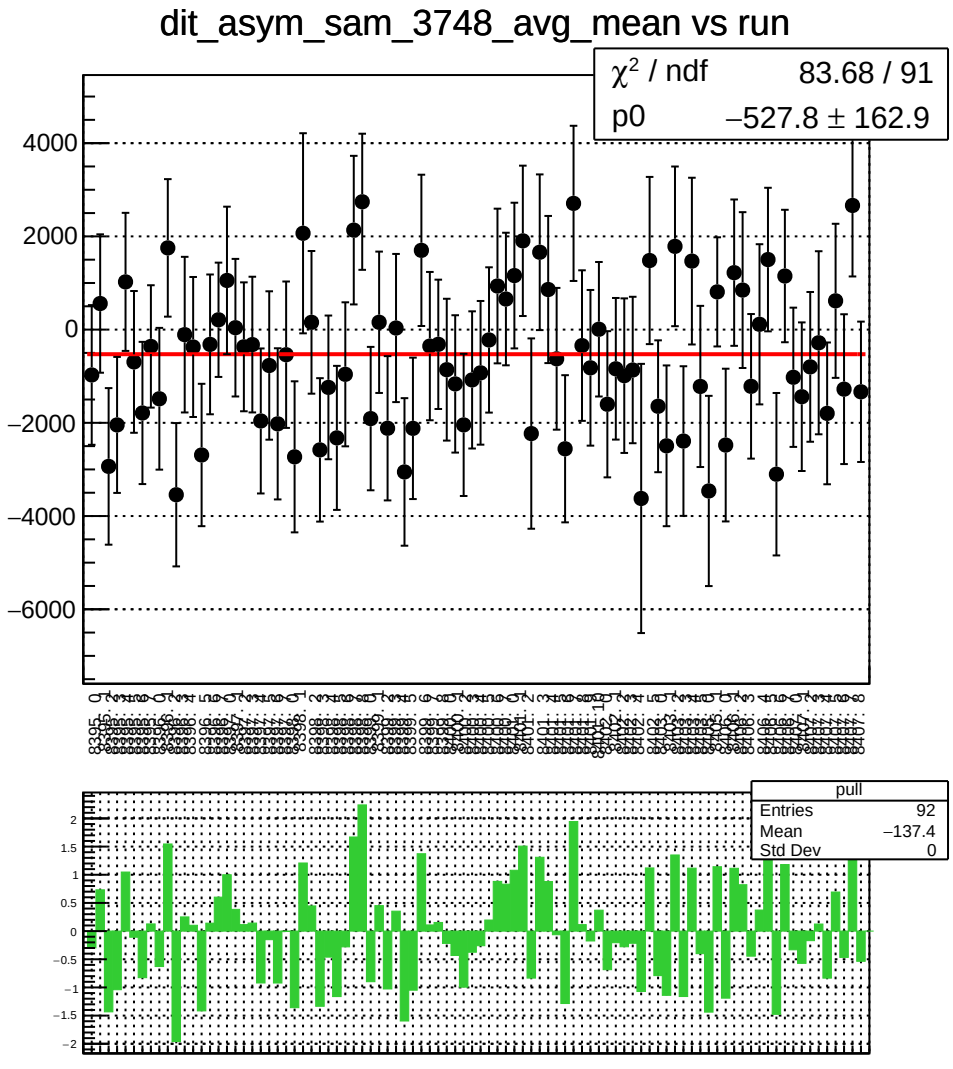

pull1D
Entries 92
Mean −0.01303
Std Dev 0.9323
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

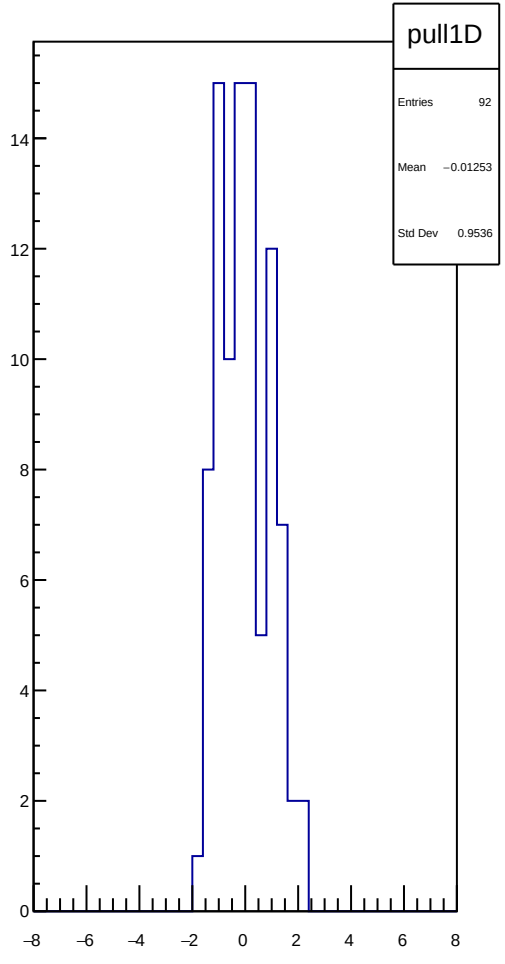

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.074e+04 / 91
p0 140 ± 0.1069
190
180
170
160
150
140
130
120

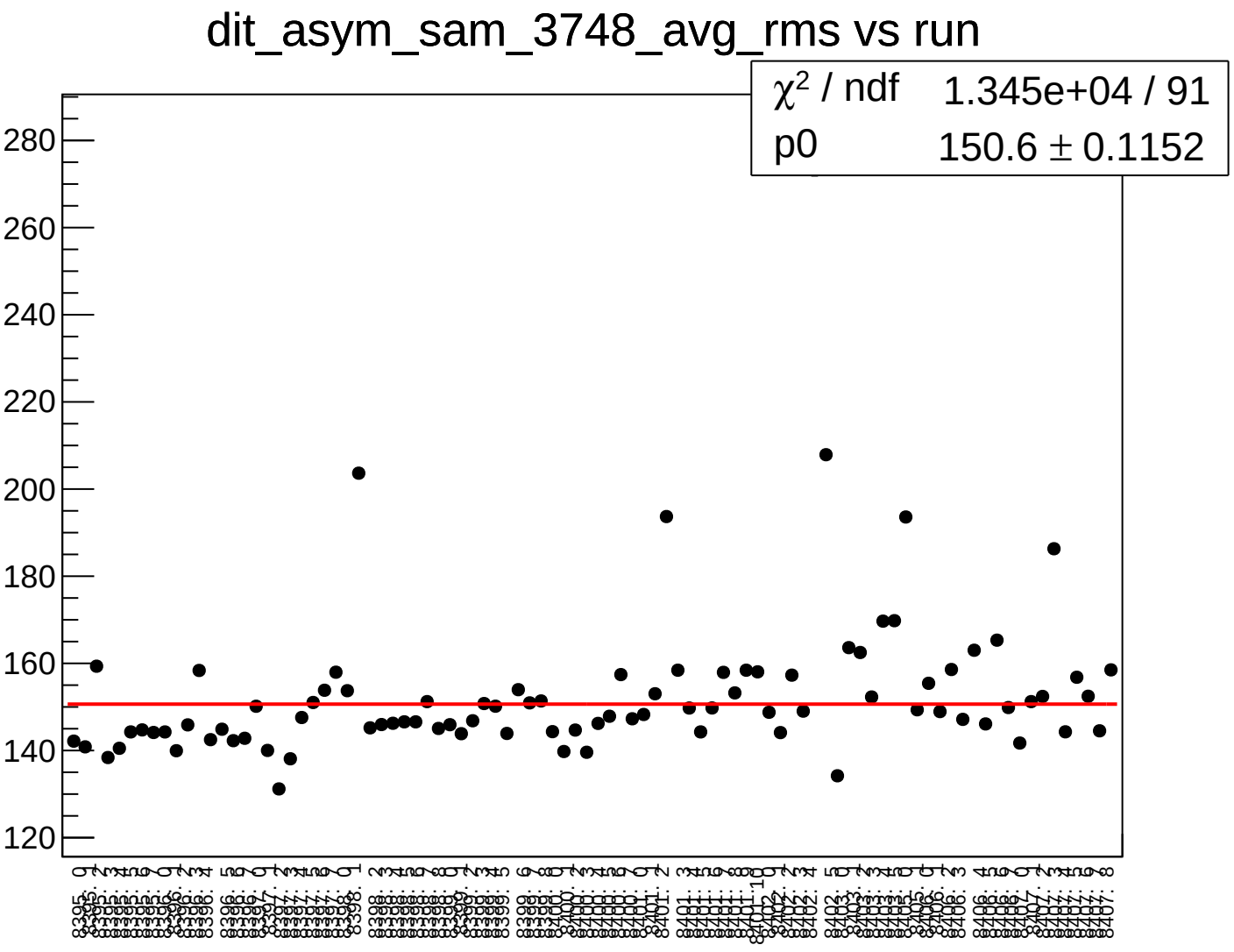

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.32 / 91
p0 −1882 ± 2081
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 232.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

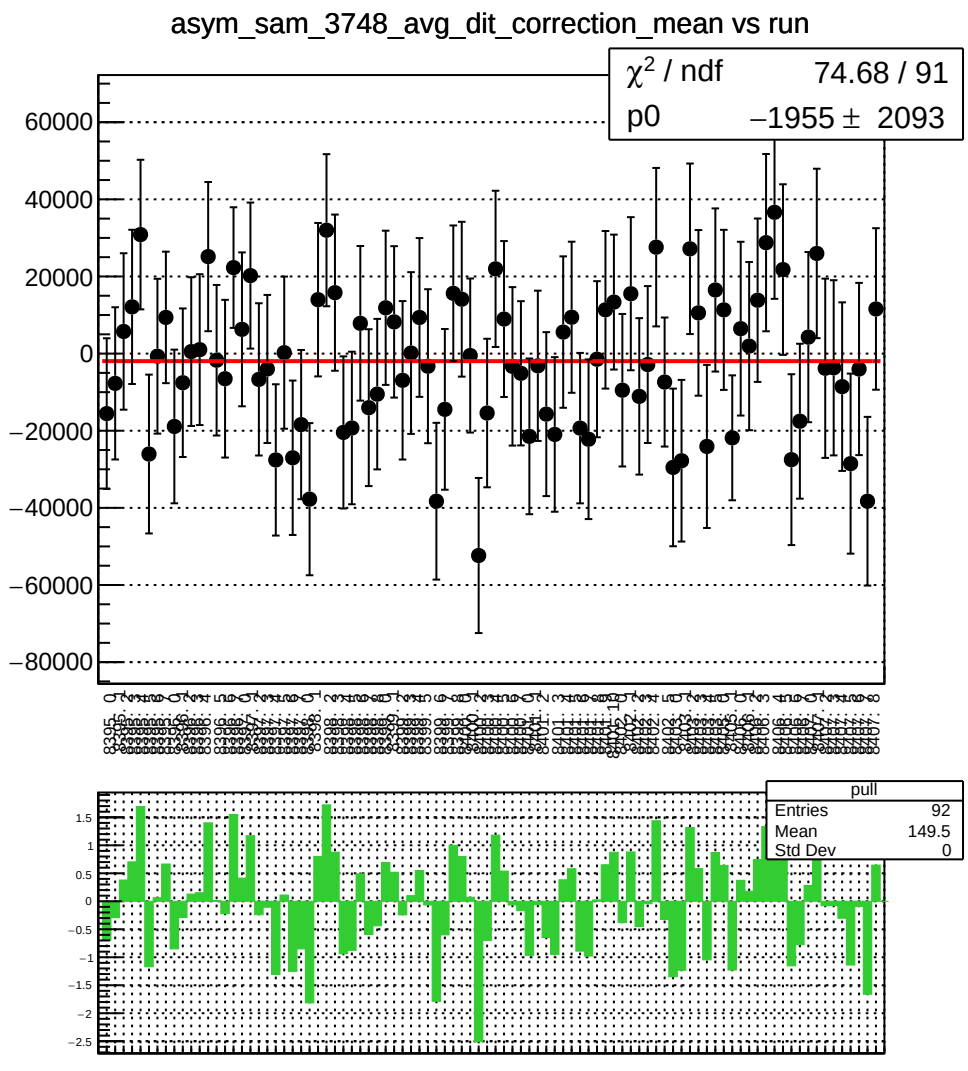

pull1D
Entries 92
Mean −0.001665
Std Dev 0.9048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

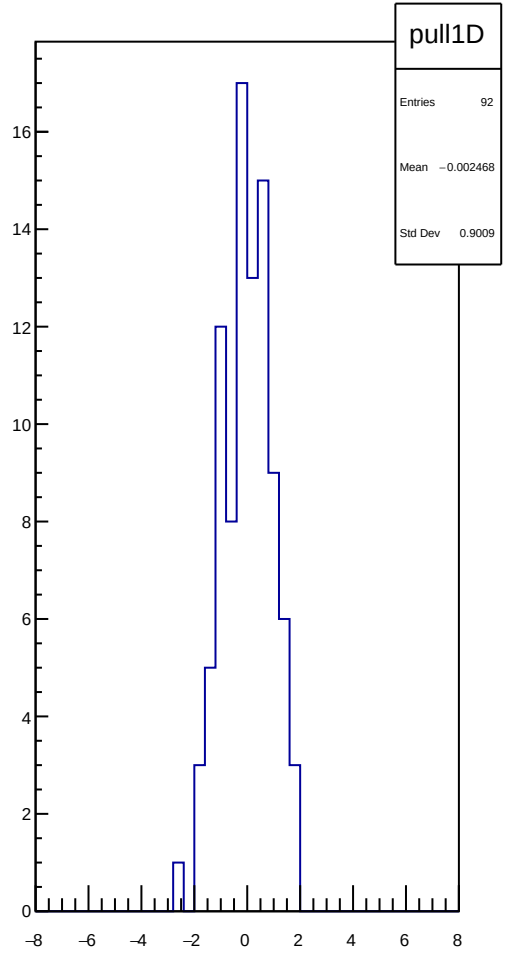

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 5597 / 91
p0 1929 ± 1.472
2200
2100
2000
1900
1800

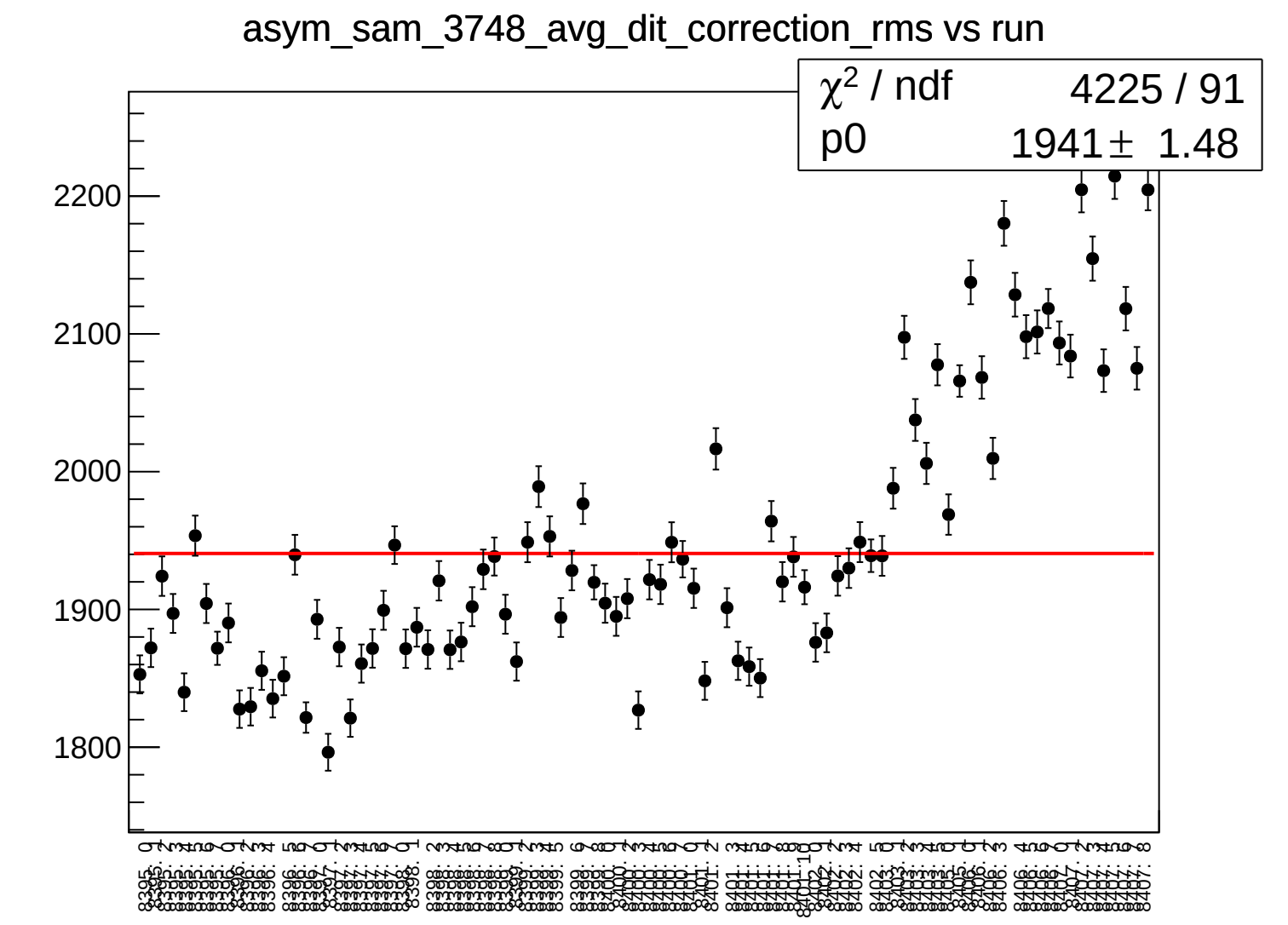

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 83.68 / 91
p0 −527.8 ± 162.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −137.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

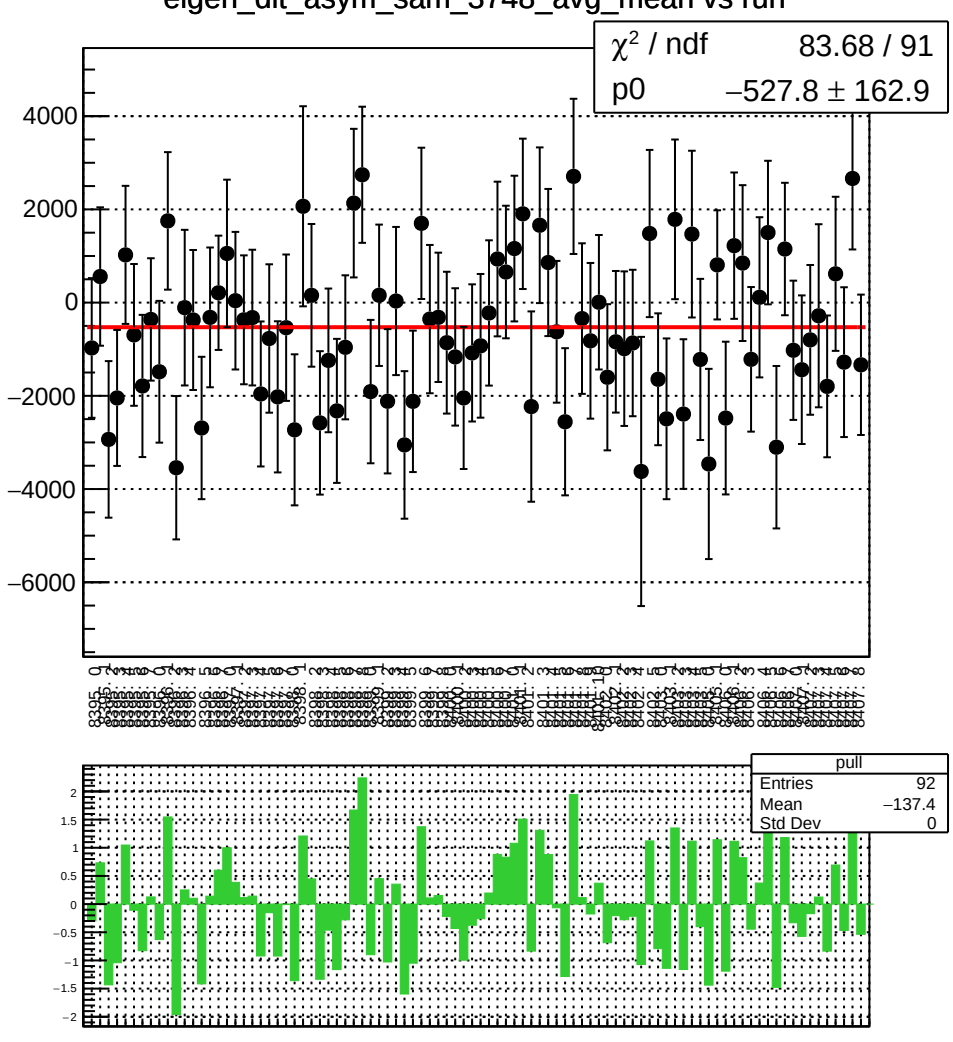

pull1D
Entries 92
Mean −0.01253
Std Dev 0.9536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

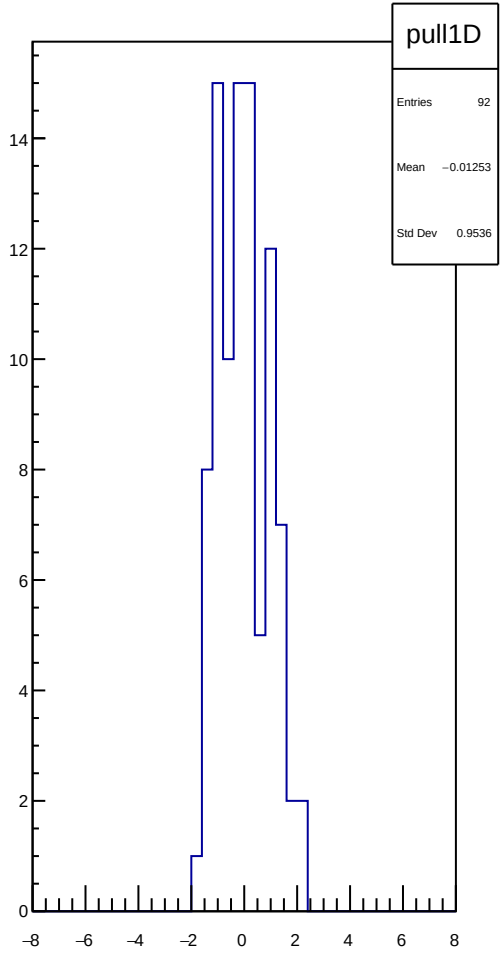

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.345e+04 / 91
p0 150.6 ± 0.1152
280
260
240
220
200
180
160
140
120

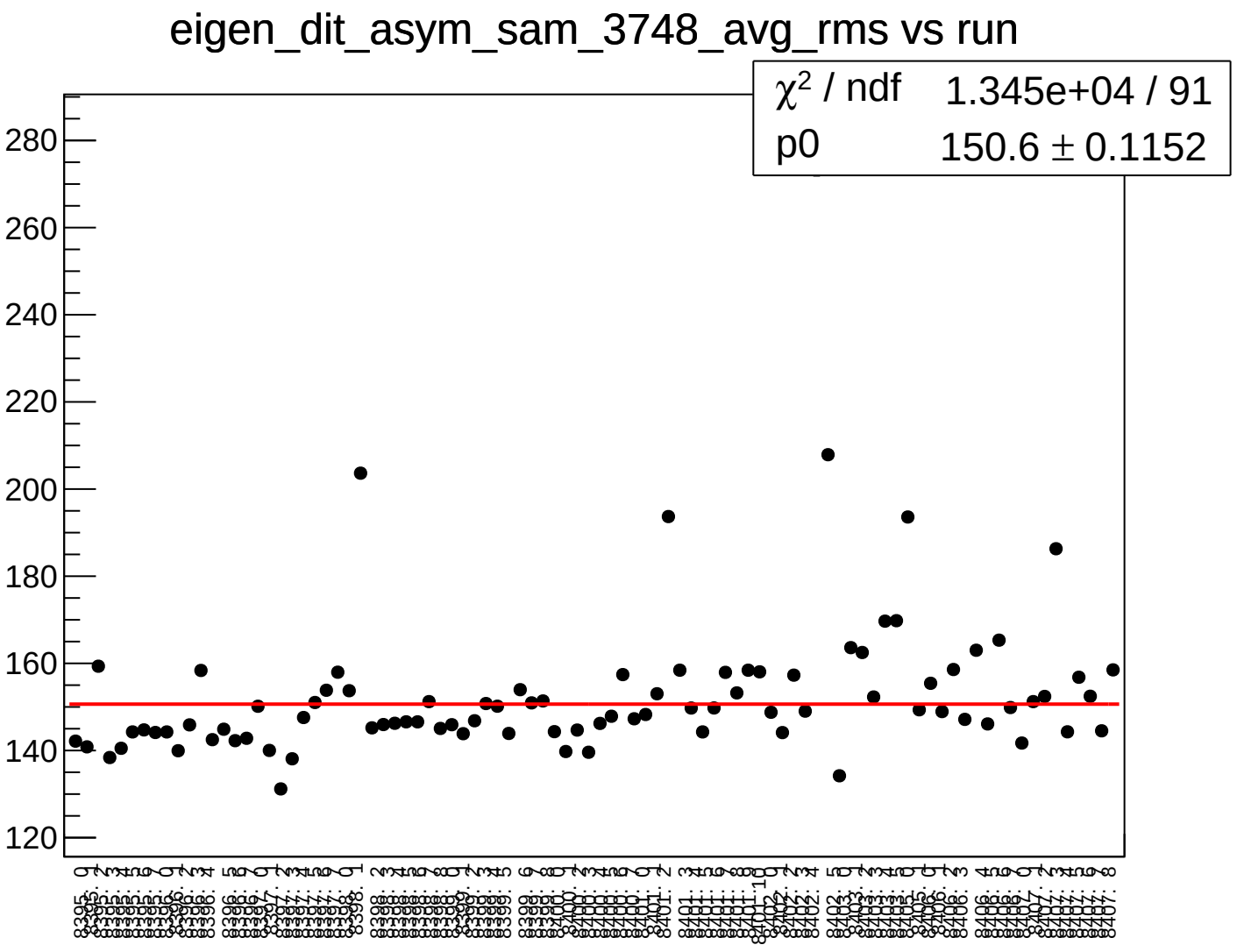

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 74.68 / 91
p0 −1955 ± 2093
pull
Entries 92
Mean 149.5
Std Dev 0

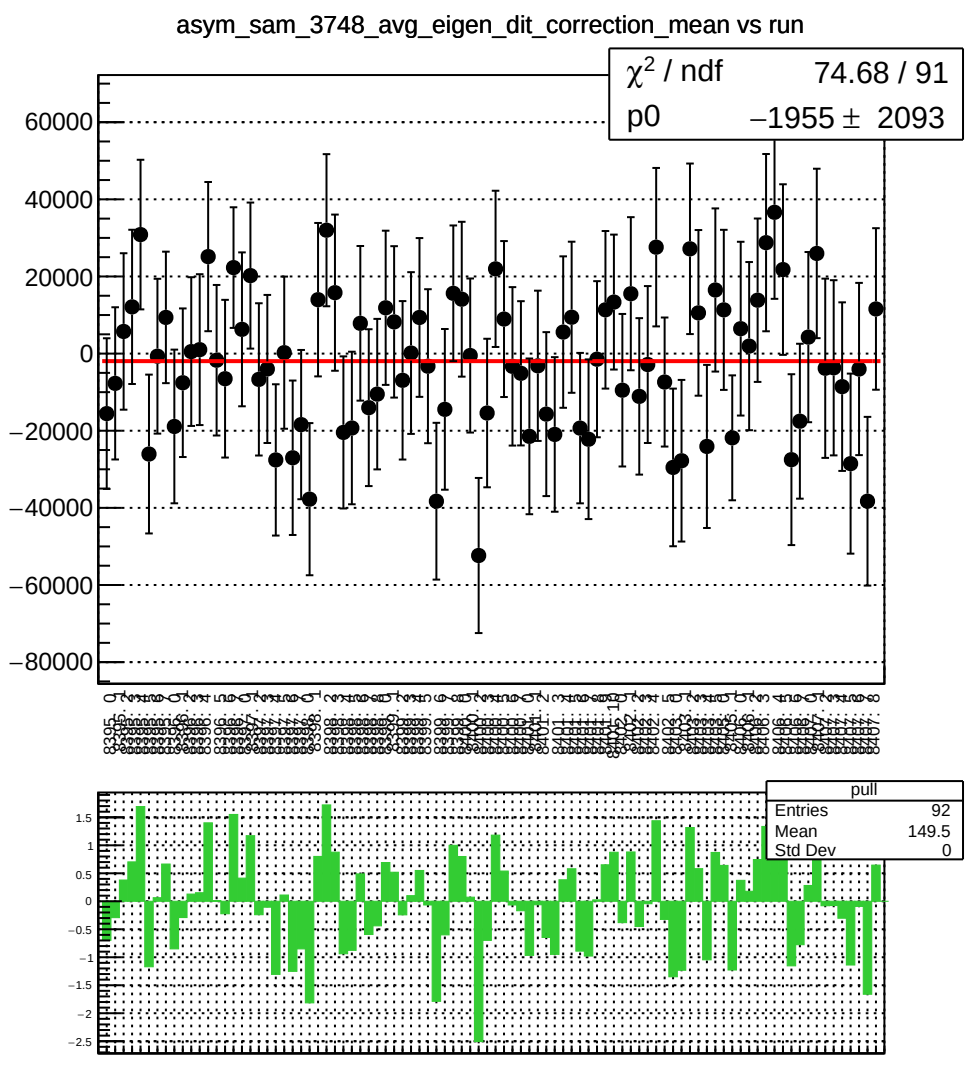

pull1D
Entries 92
Mean −0.002468
Std Dev 0.9009

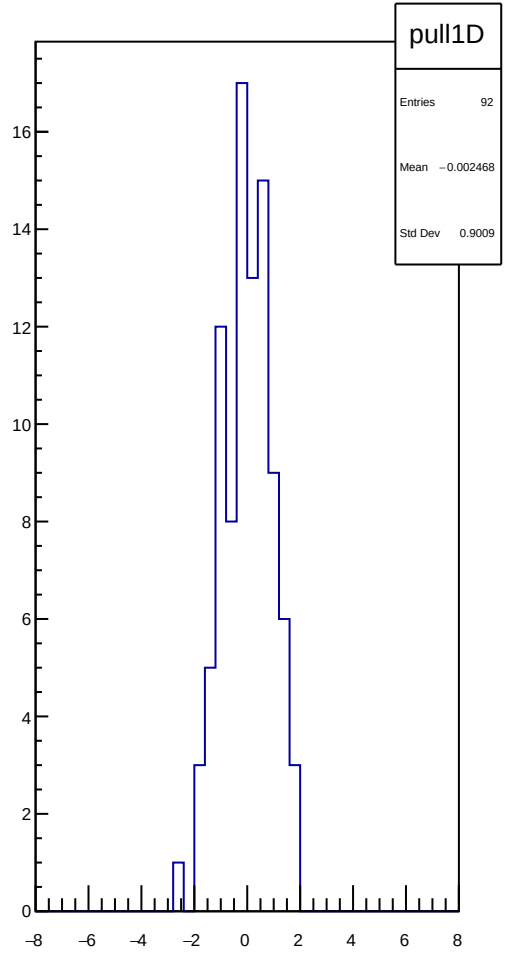

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 4225 / 91
p0 1941 ± 1.48
2200
2100
2000
1900
1800

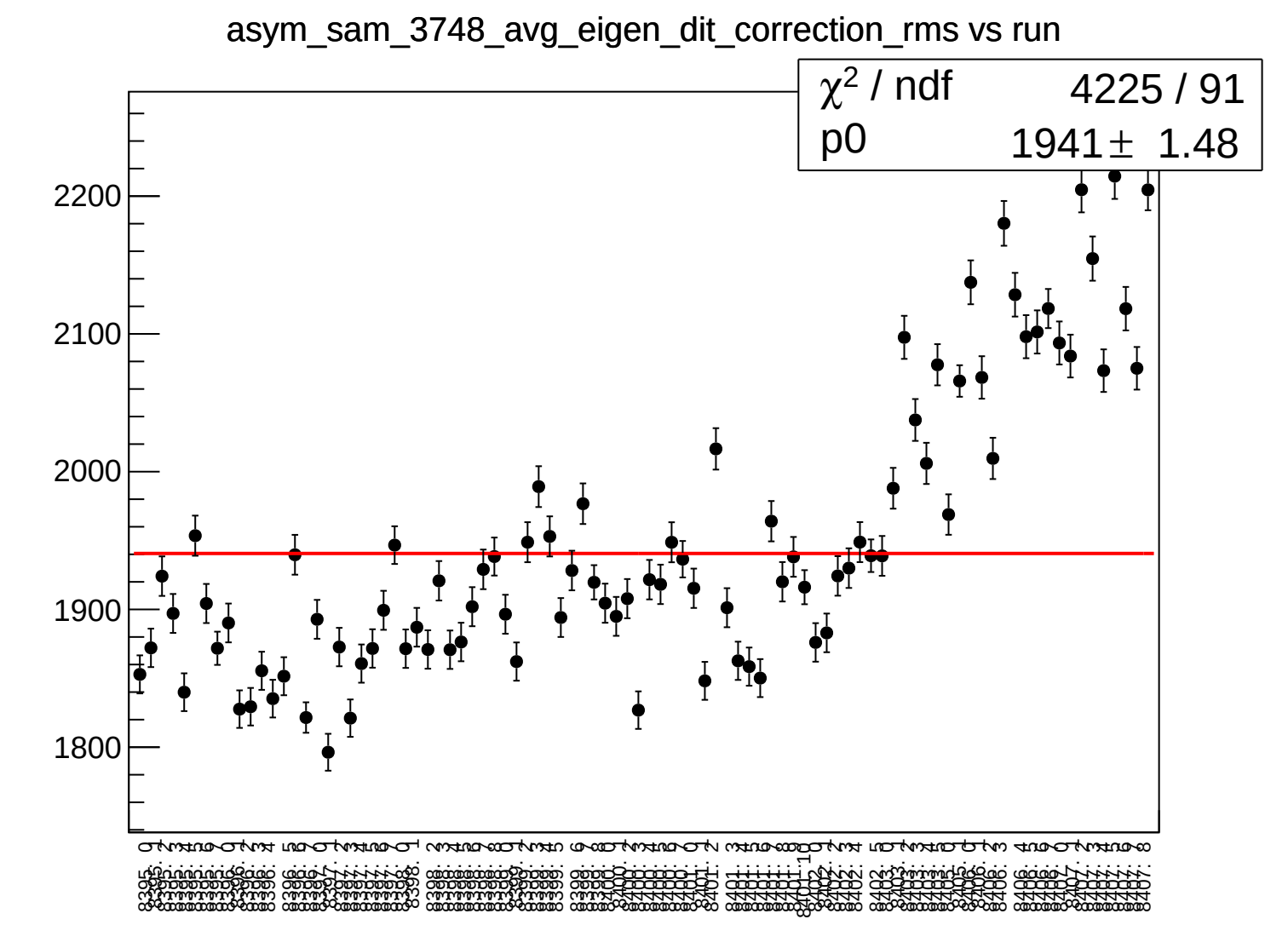

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 83.68 / 91
p0 −527.8 ± 162.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −137.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

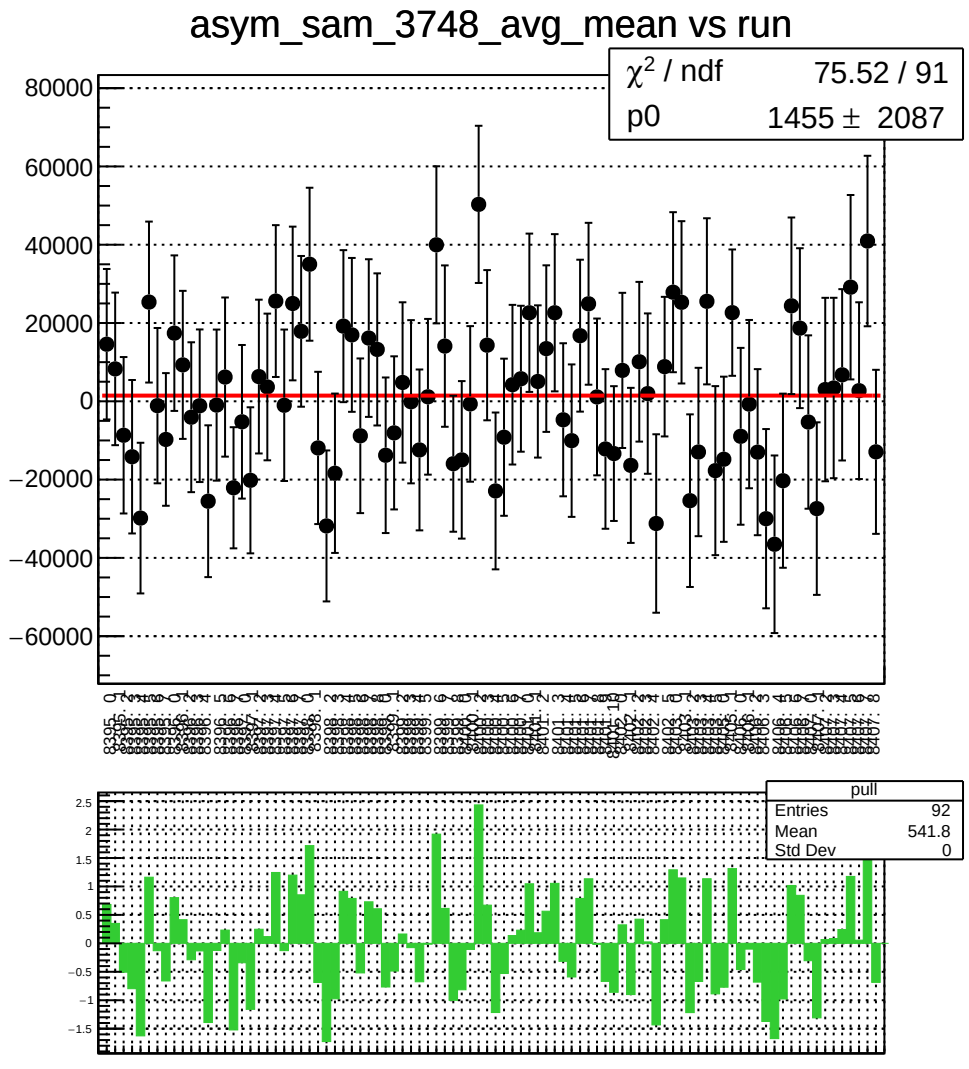

pull1D
Entries 92
Mean −0.01253
Std Dev 0.9536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

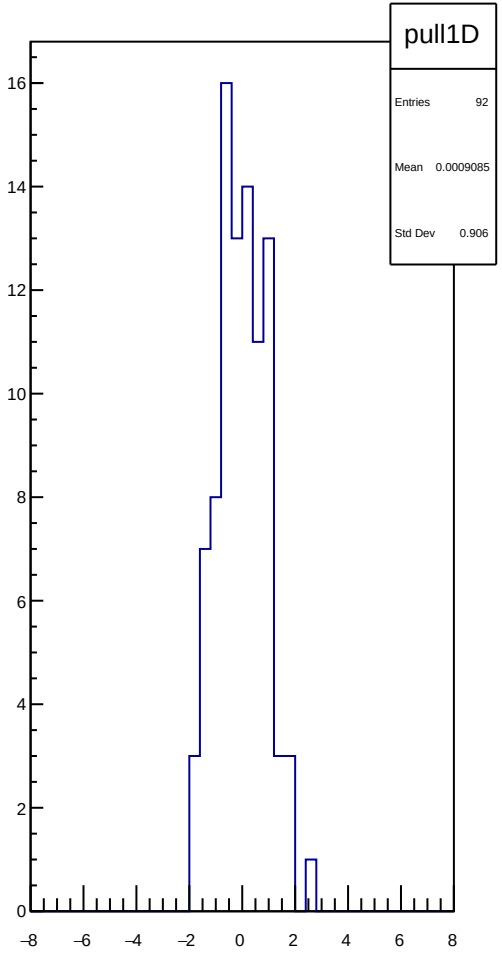

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.345e+04 / 91
p0 150.6 ± 0.1152
280
260
240
220
200
180
160
140
120

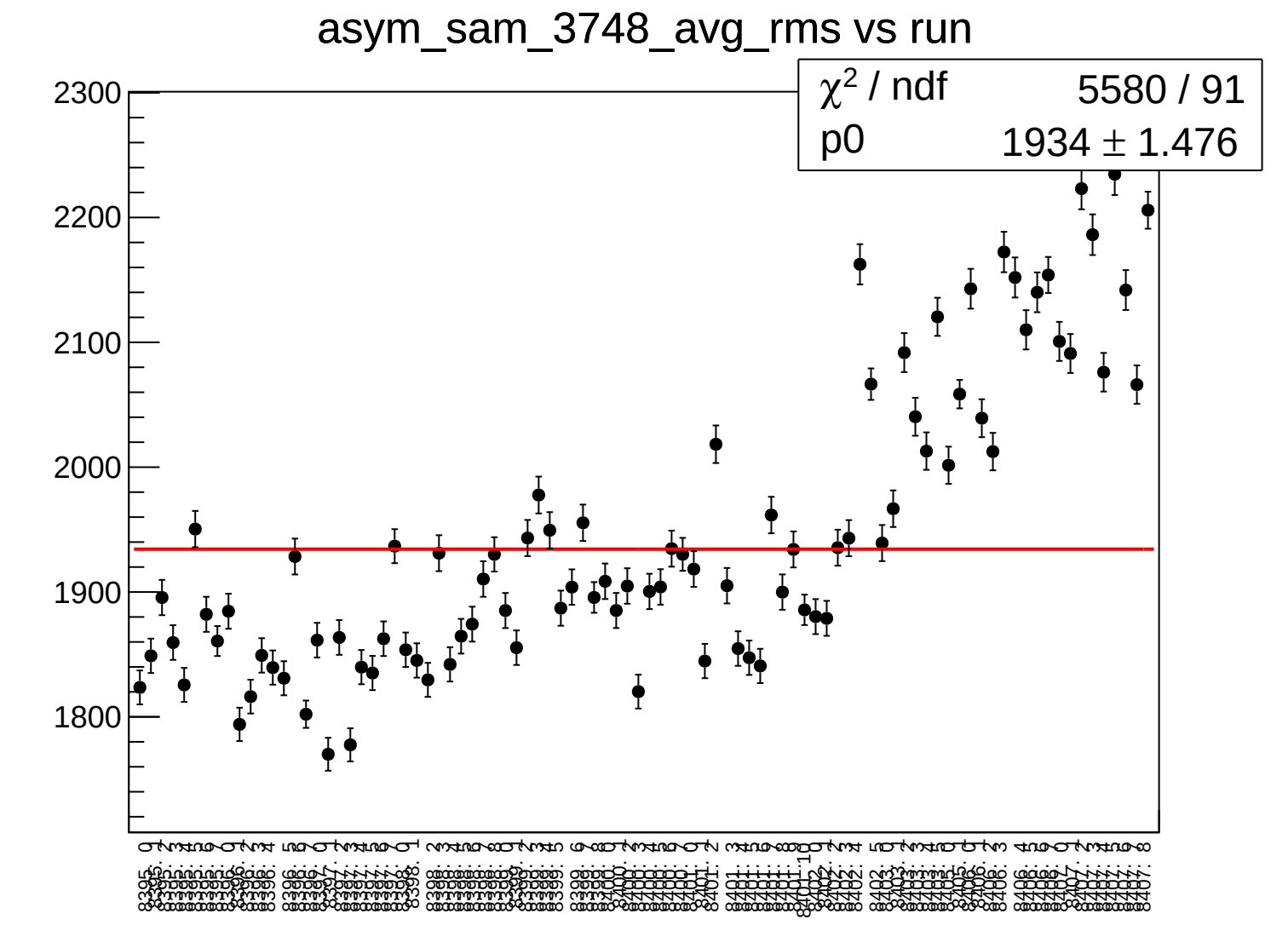

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 74.68 / 91
p0 −1955 ± 2093
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 92
Mean 149.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

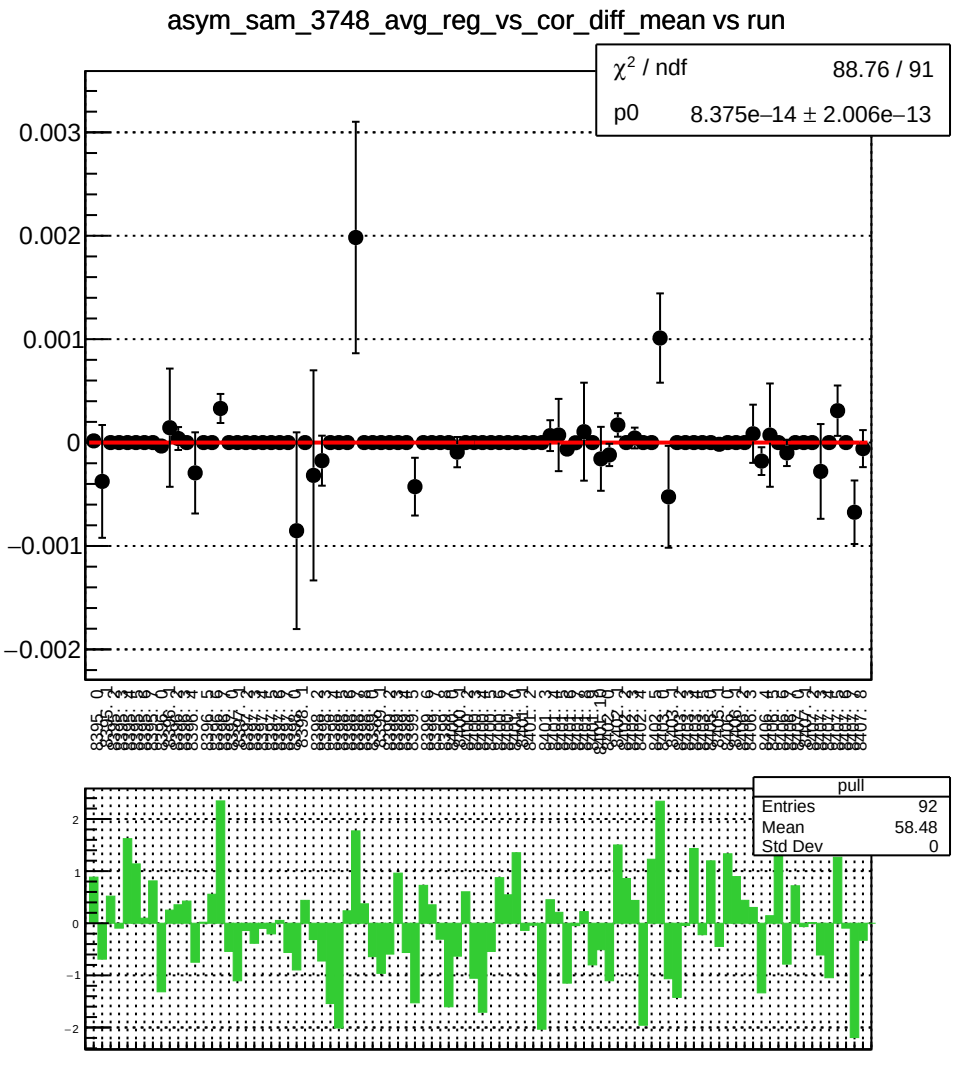

pull1D
Entries 92
Mean −0.002468
Std Dev 0.9009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

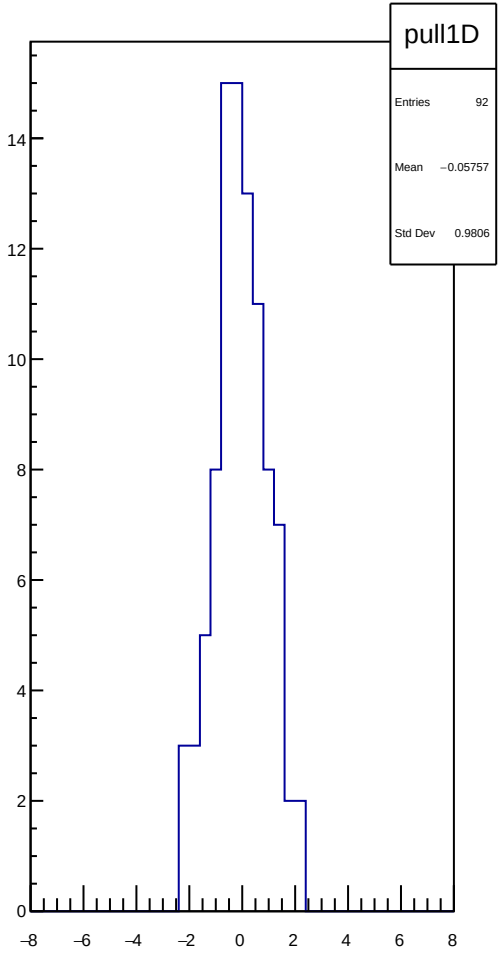

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 4225 / 91
p0 1941 ± 1.48
2200
2100
2000
1900
1800

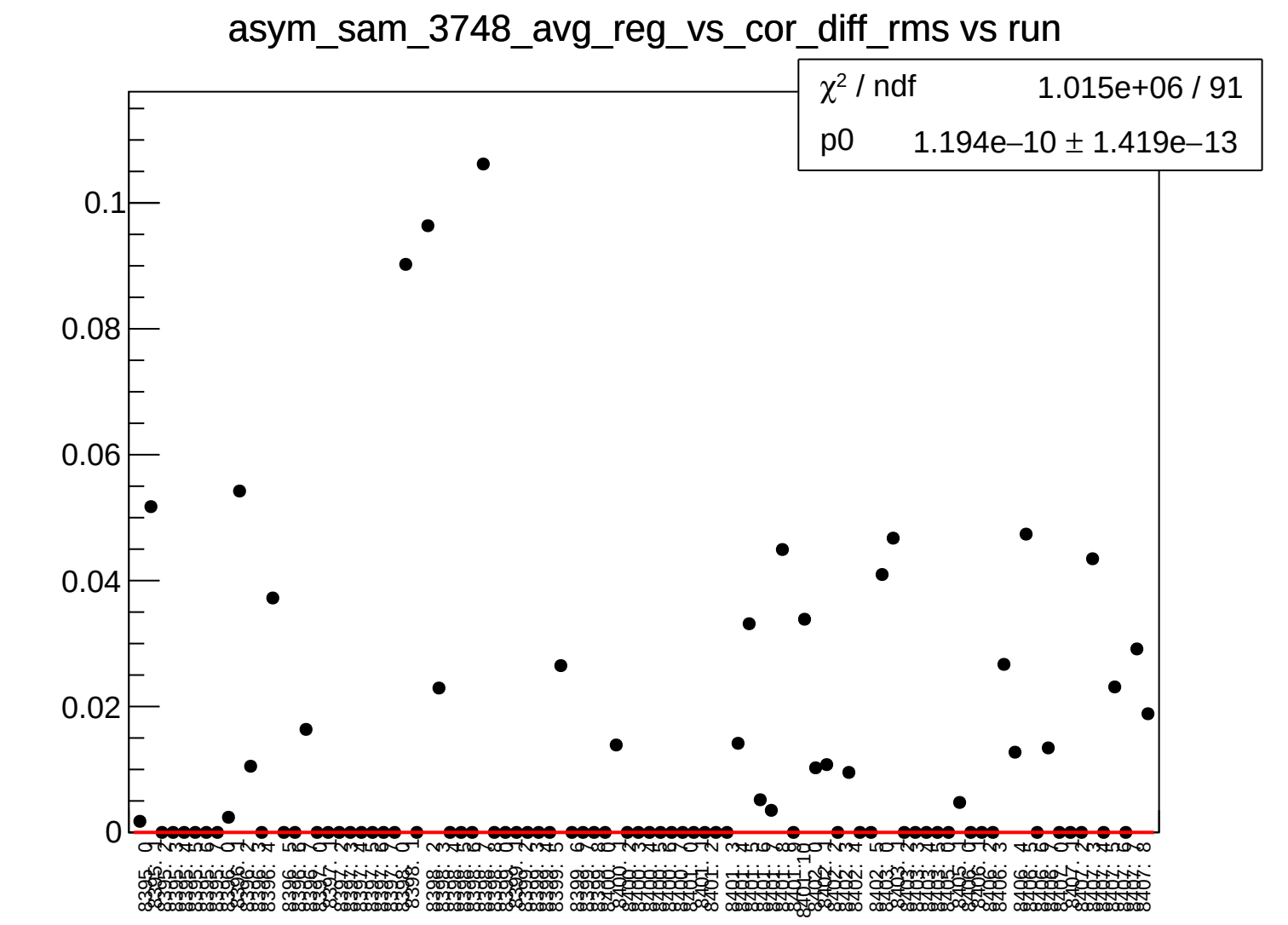

asym_sam_3748_avg_mean vs run
χ² / ndf 75.52 / 91
p0 1455 ± 2087
pull
Entries 92
Mean 541.8
Std Dev 0

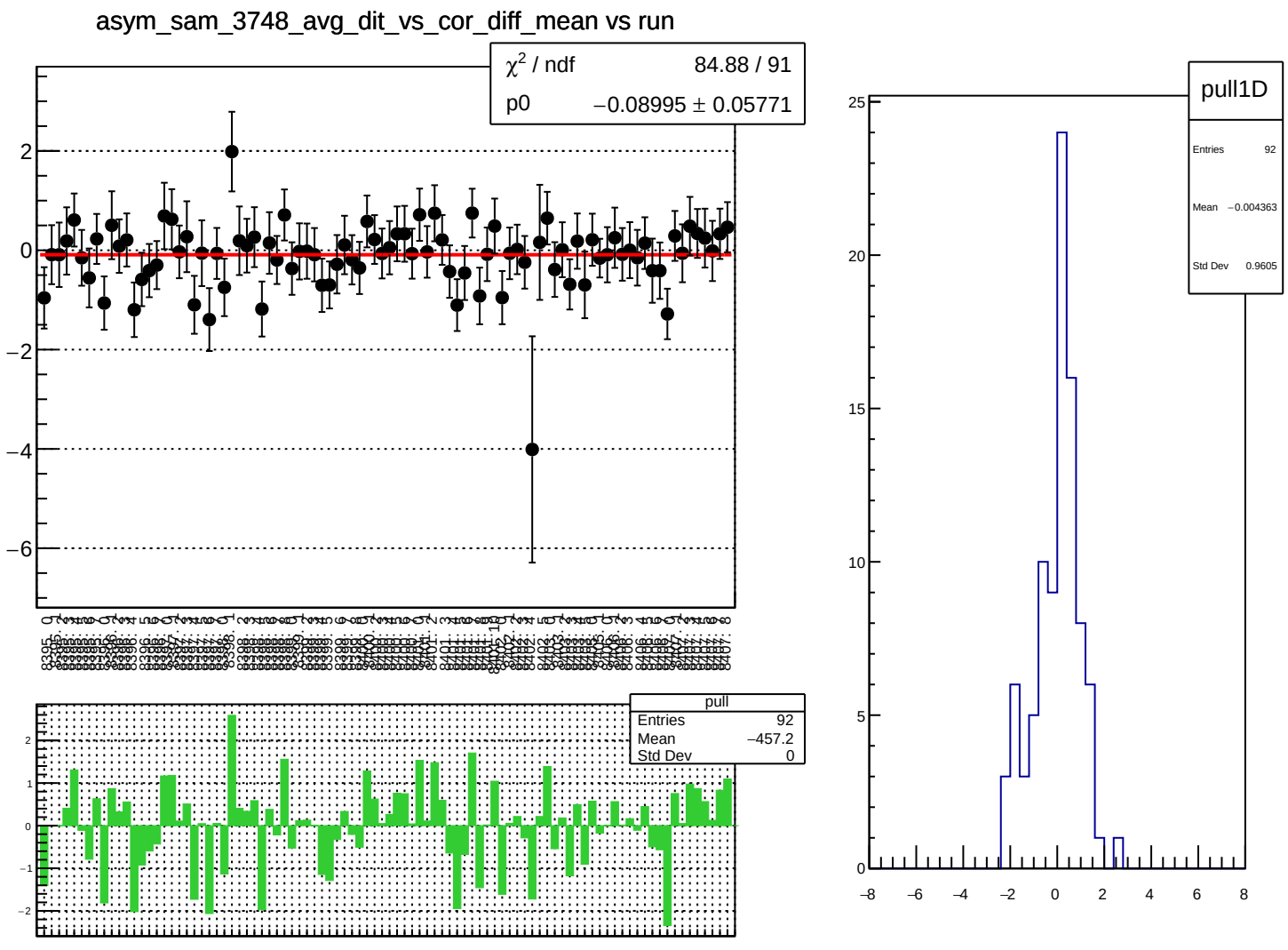

pull1D
Entries 92
Mean 0.0009085
Std Dev 0.906

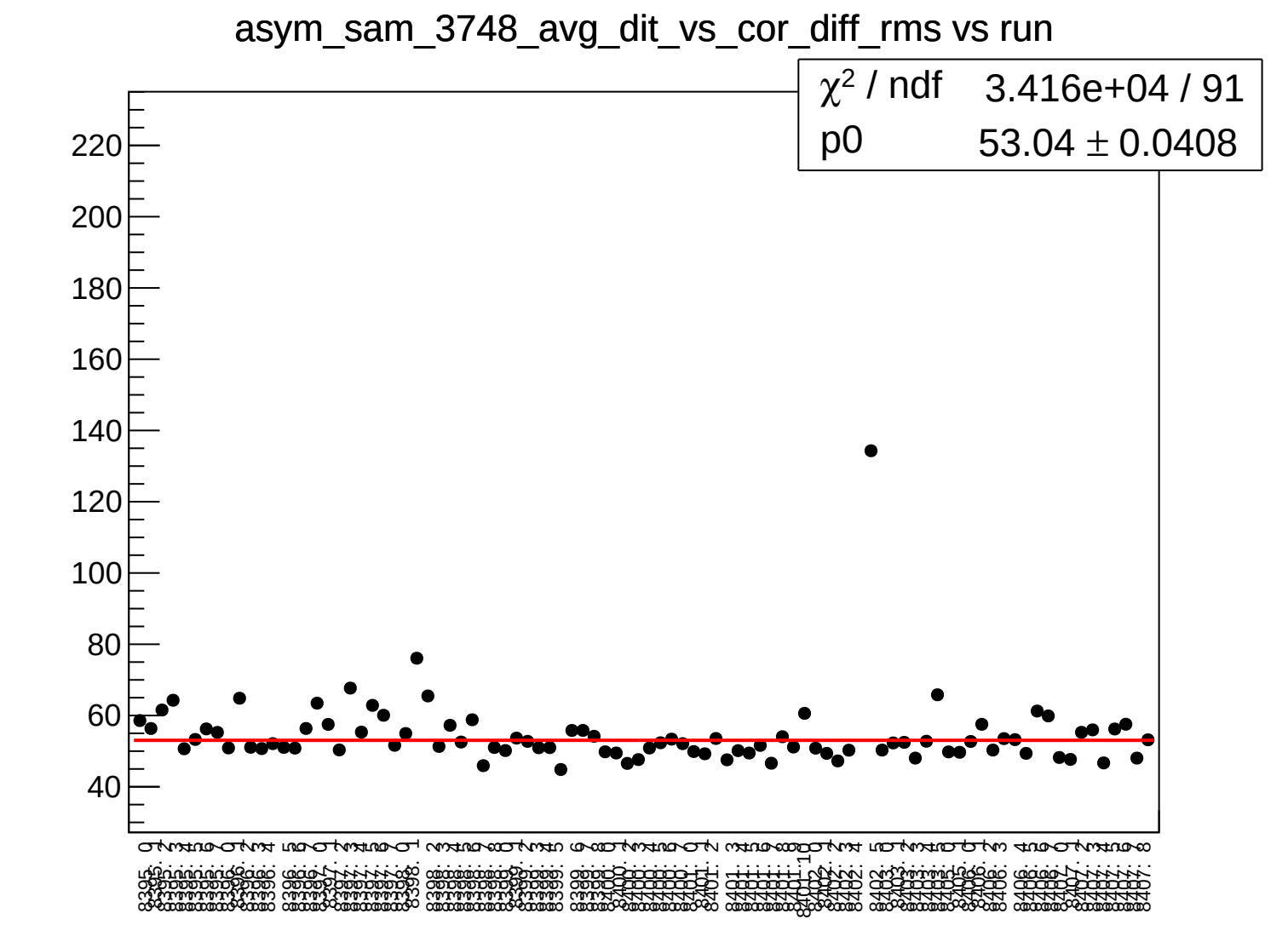

asym_sam_3748_avg_rms vs run
χ² / ndf 5580 / 91
p0 1934 ± 1.476
2300
2200
2100
2000
1900
1800

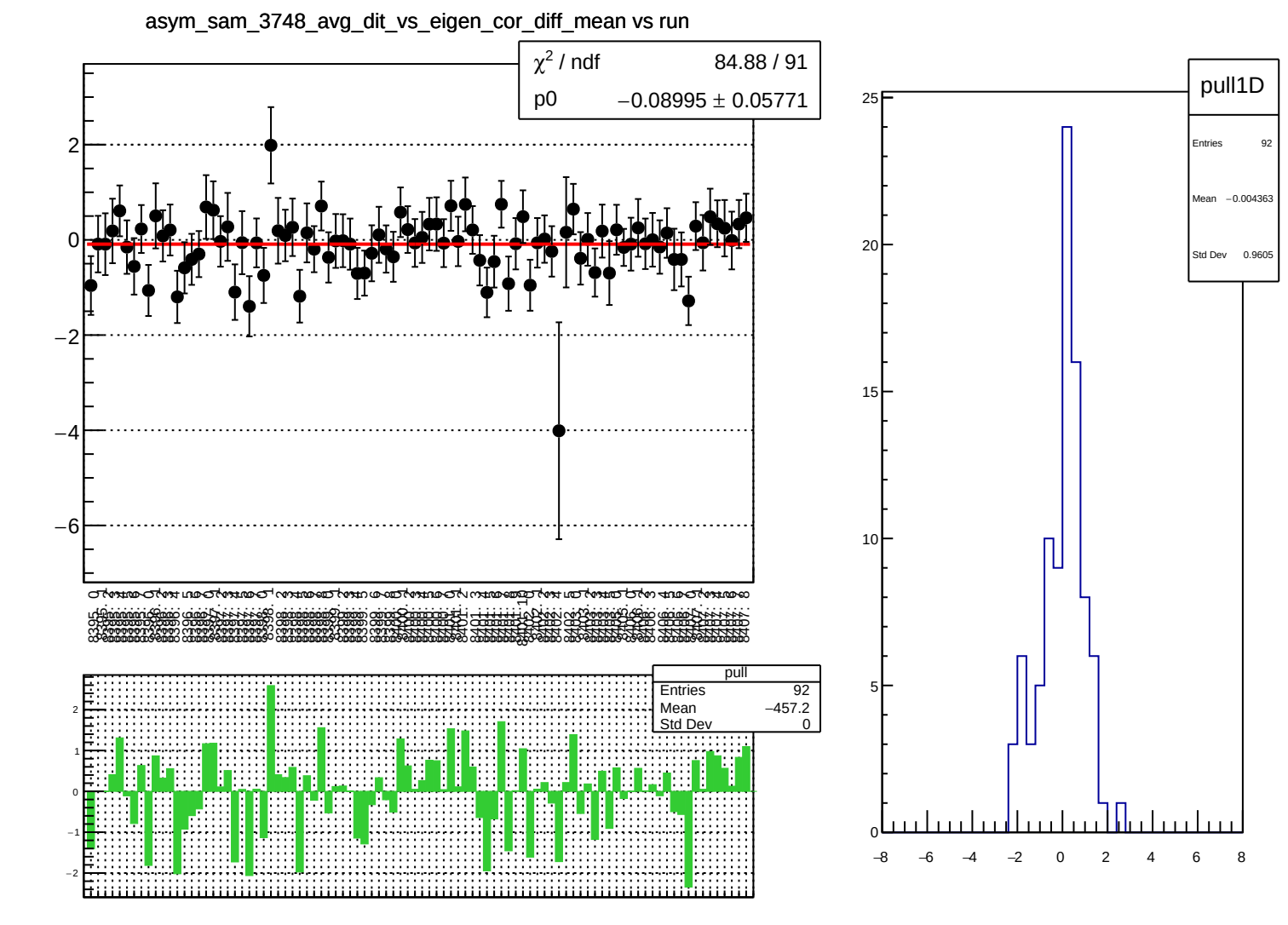

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.76 / 91
p0 8.375e−14 ± 2.006e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 92
Mean 58.48
Std Dev 0
2
1
0
−1
−2

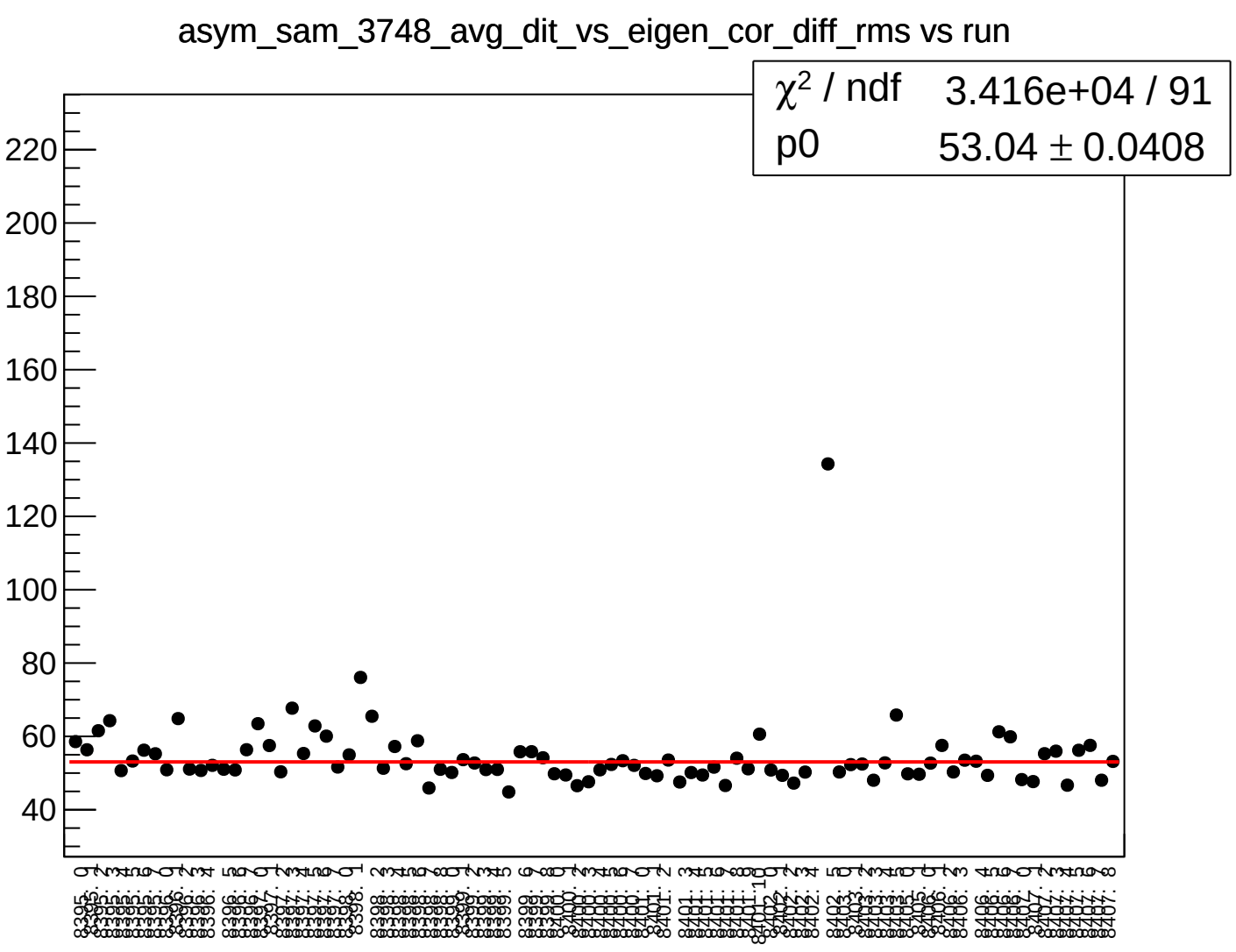

pull1D
Entries 92
Mean −0.05757
Std Dev 0.9806
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

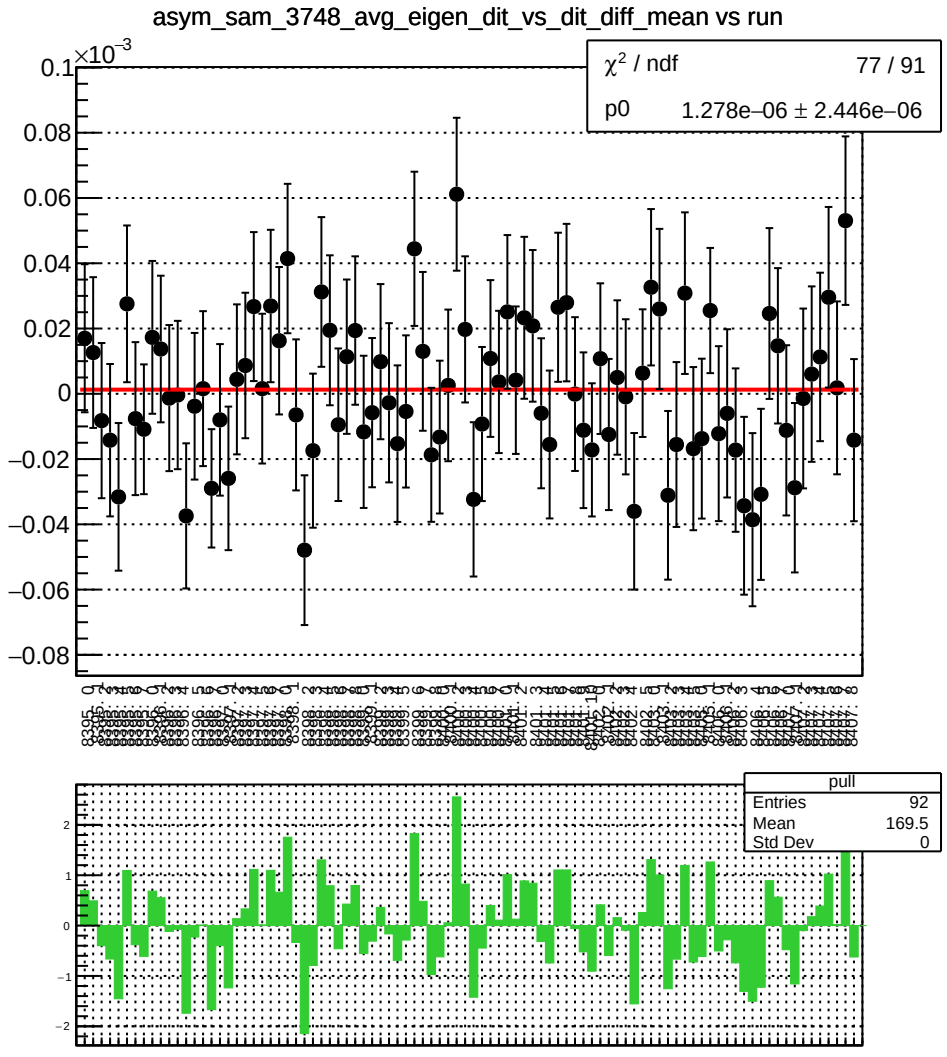

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.015e+06 / 91
p0 1.194e−10 ± 1.419e−13
0.1
0.08
0.06
0.04
0.02
0

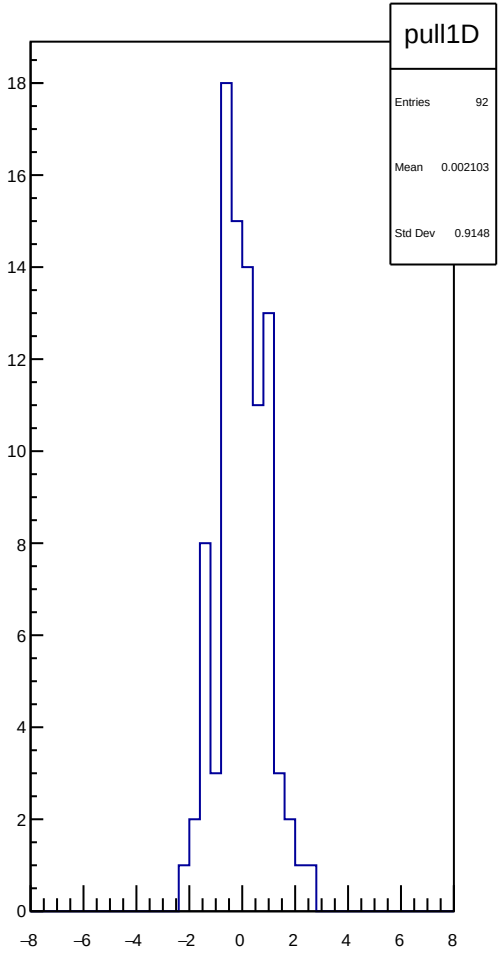

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 84.88 / 91
p0 −0.08995 ± 0.05771
pull
Entries 92
Mean −457.2
Std Dev 0
pull1D
Entries 92
Mean −0.004363
Std Dev 0.9605

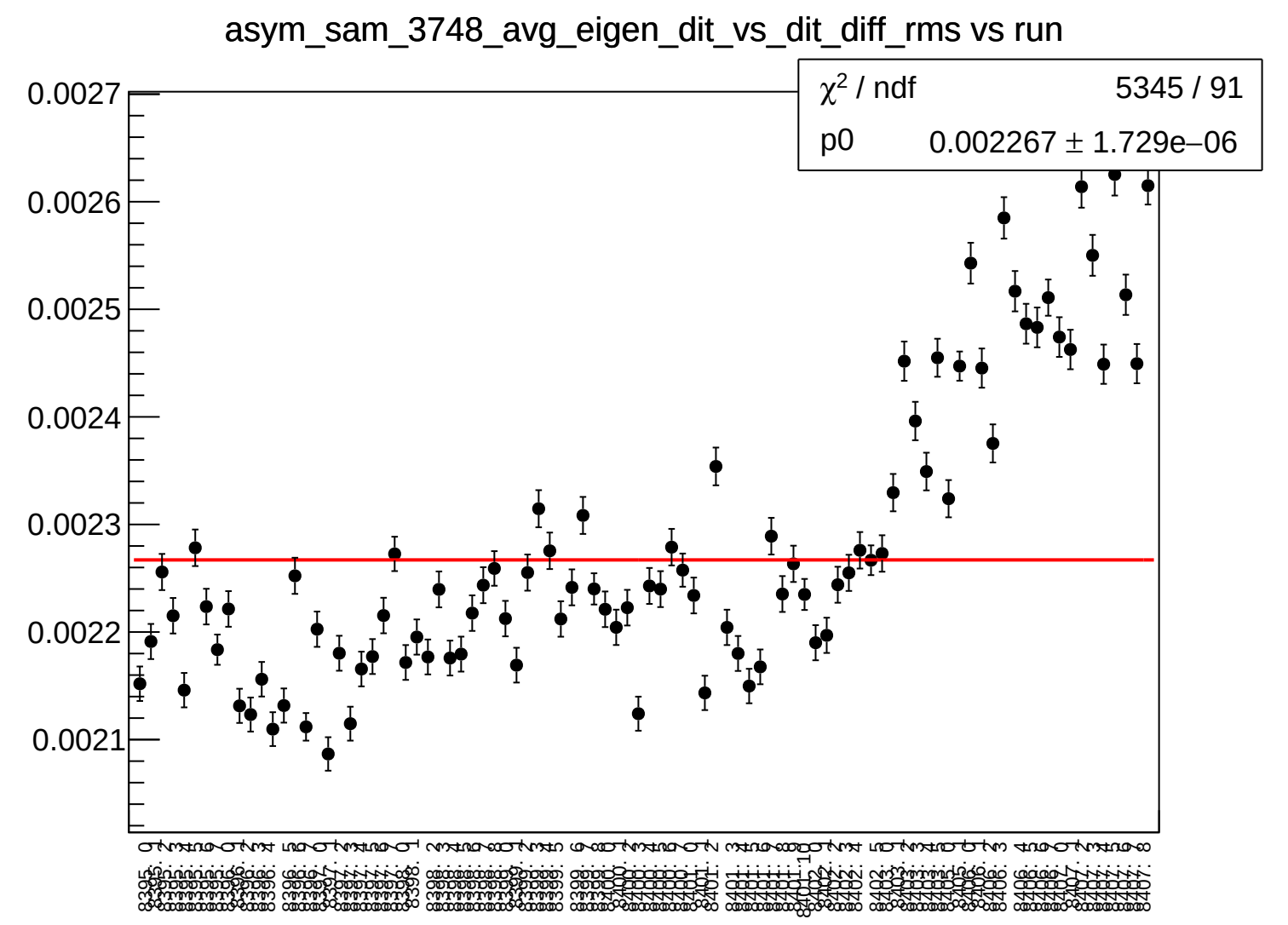

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.416e+04 / 91
p0 53.04 ± 0.0408
220
200
180
160
140
120
100
80
60
40

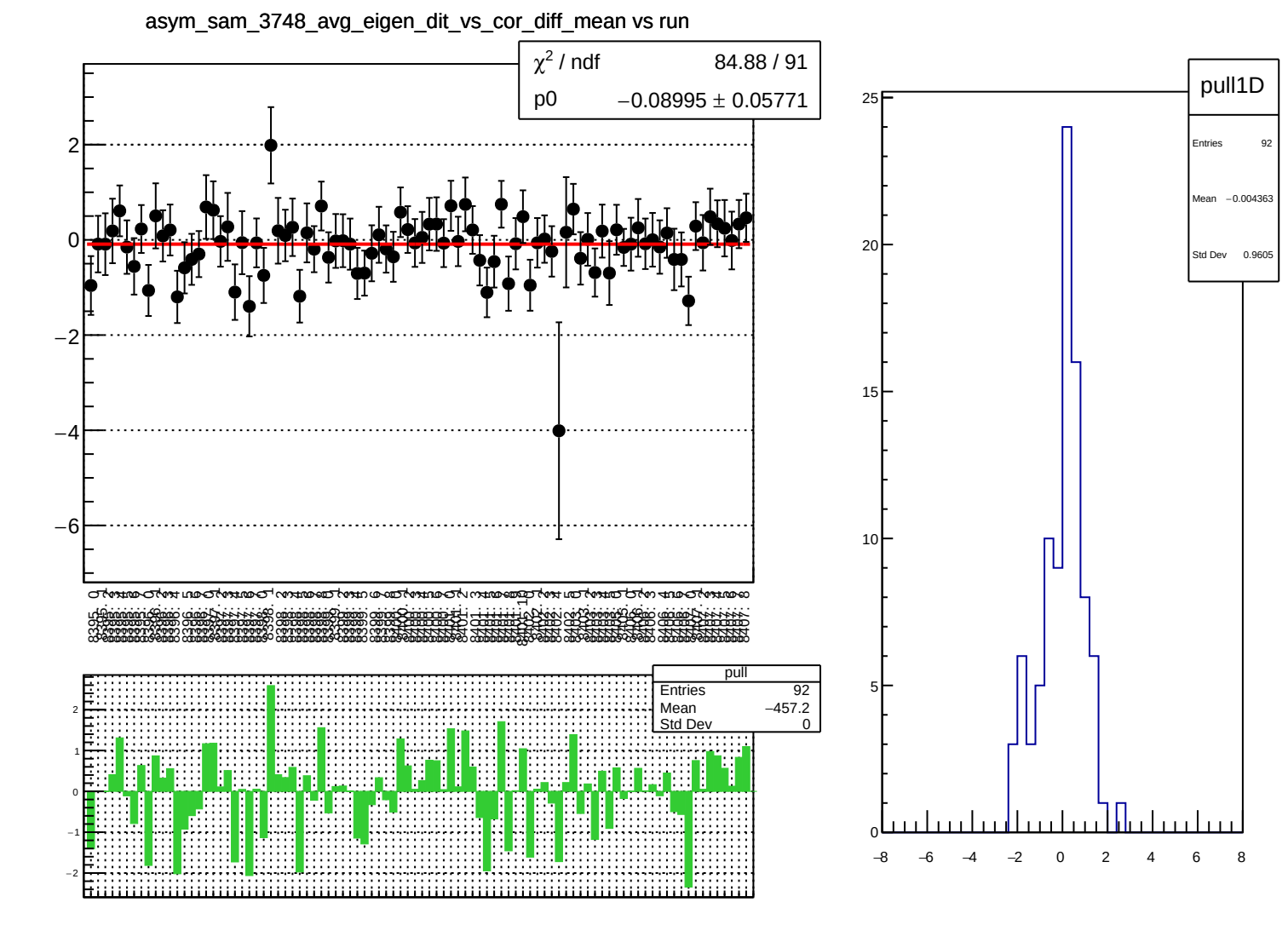

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.88 / 91
p0 −0.08995 ± 0.05771
pull
Entries 92
Mean −457.2
Std Dev 0
pull1D
Entries 92
Mean −0.004363
Std Dev 0.9605

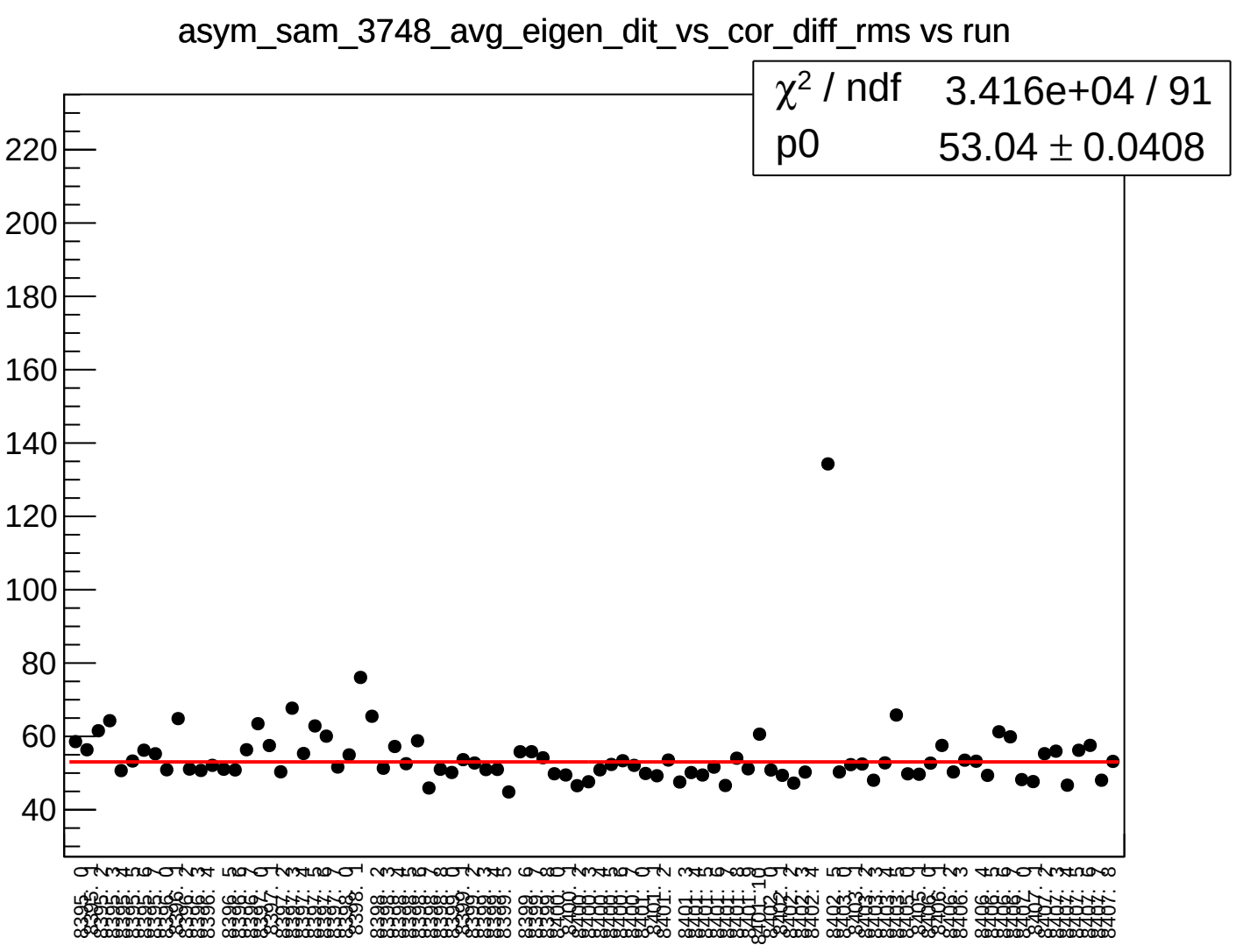

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.416e+04 / 91
p0 53.04 ± 0.0408
220
200
180
160
140
120
100
80
60
40

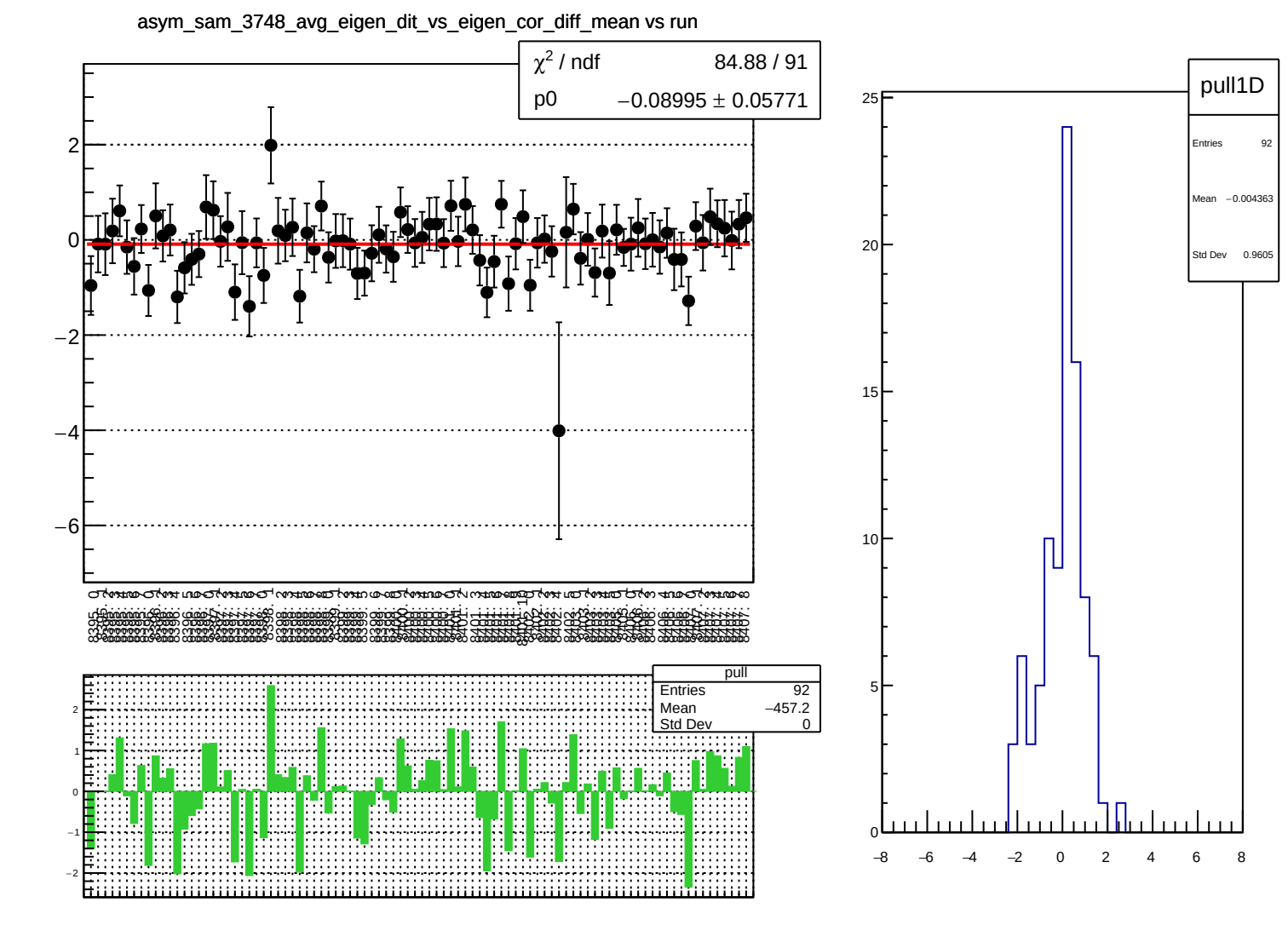

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 77 / 91
p0 1.278e−06 ± 2.446e−06
×10⁻³
pull
Entries 92
Mean 169.5
Std Dev 0

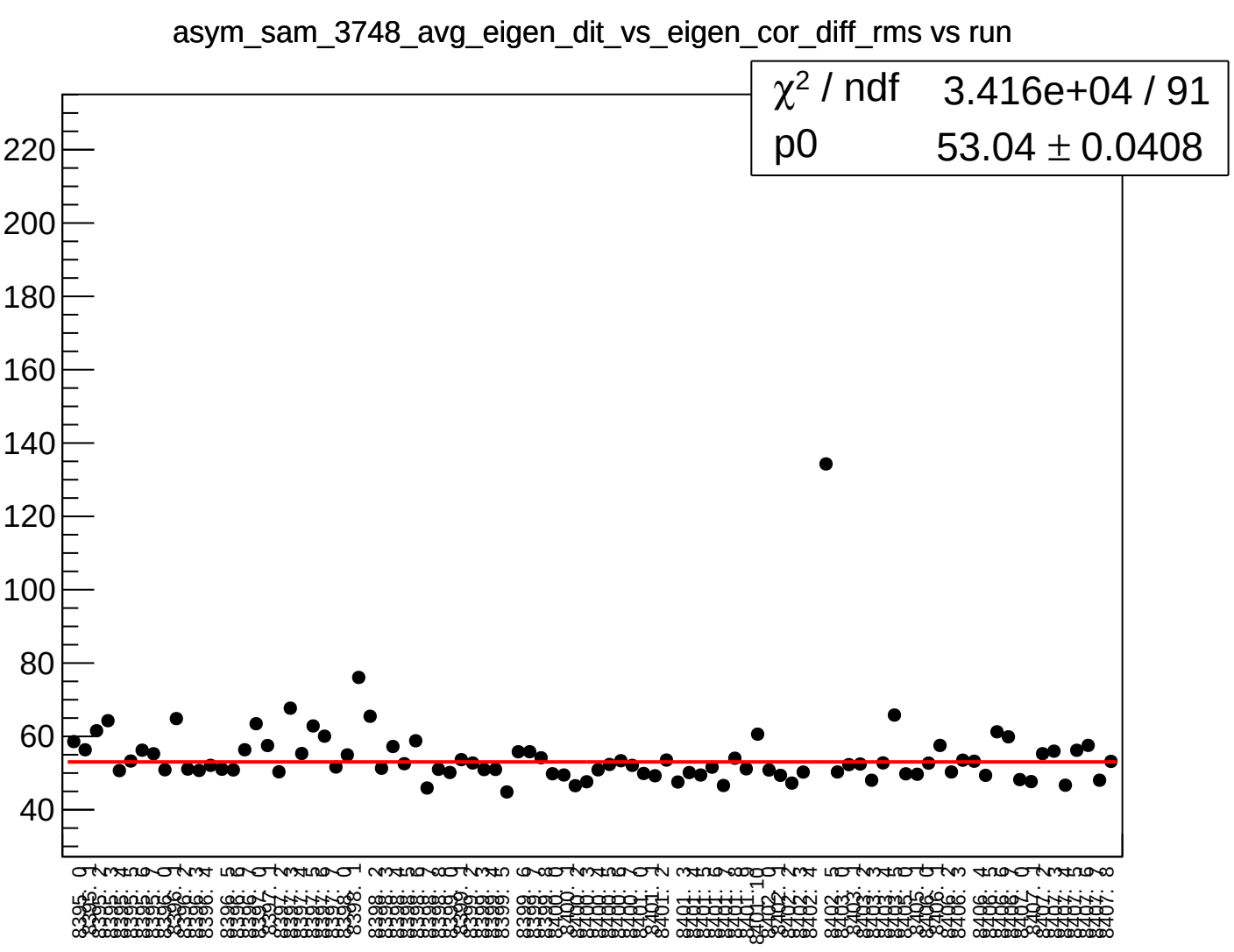

pull1D
Entries 92
Mean 0.002103
Std Dev 0.9148

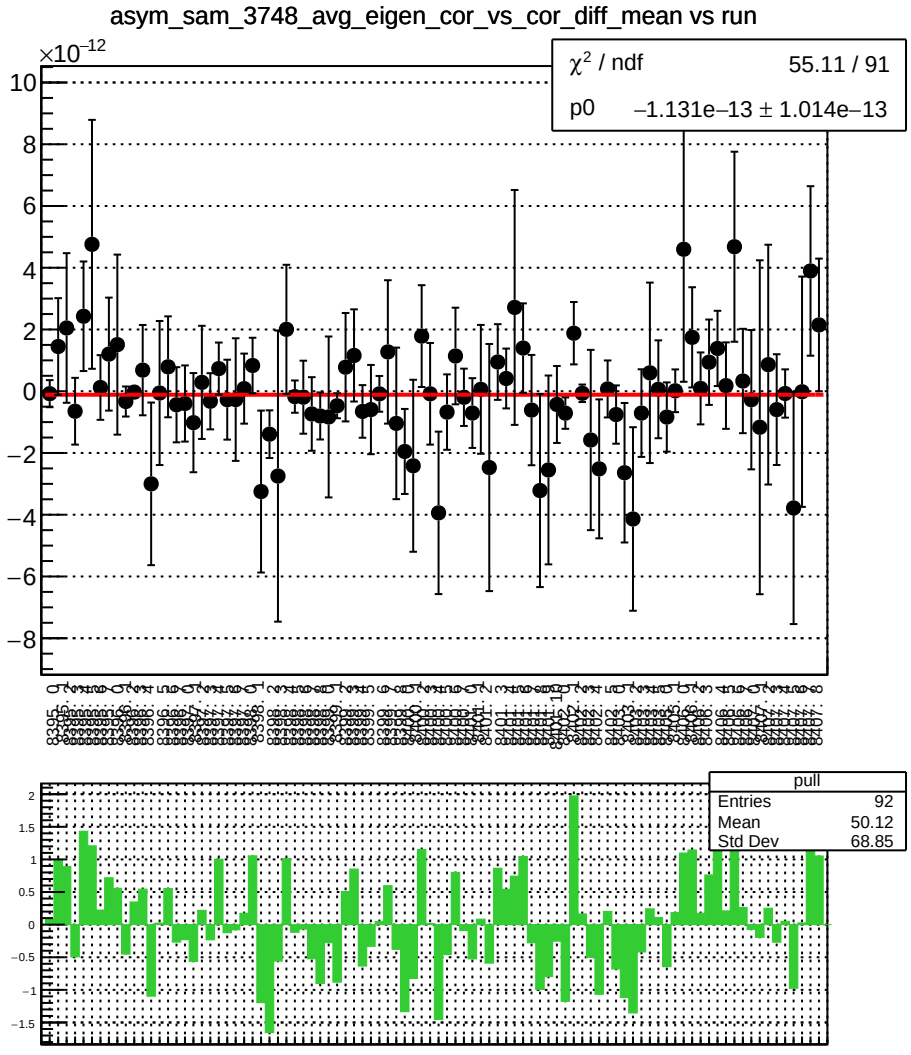

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5345 / 91
p0 0.002267 ± 1.729e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021

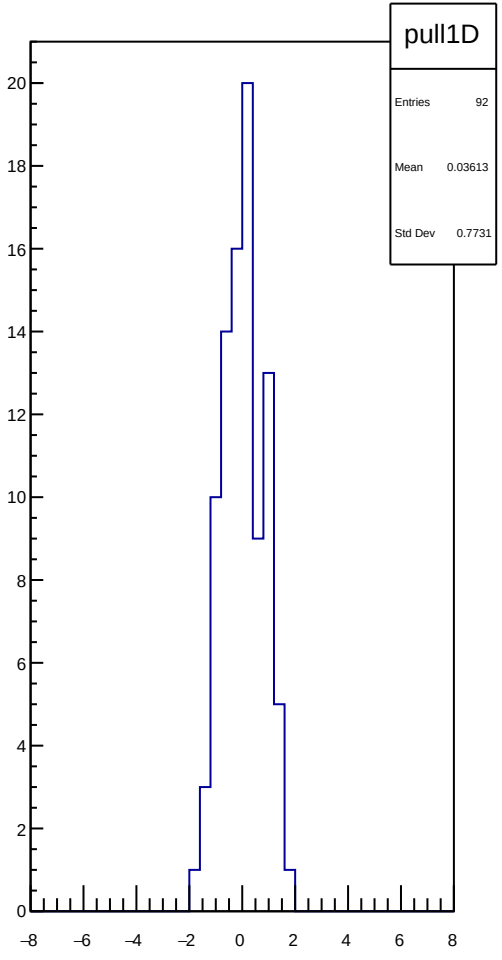

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.88 / 91
p0 −0.08995 ± 0.05771
pull
Entries 92
Mean −457.2
Std Dev 0
pull1D
Entries 92
Mean −0.004363
Std Dev 0.9605

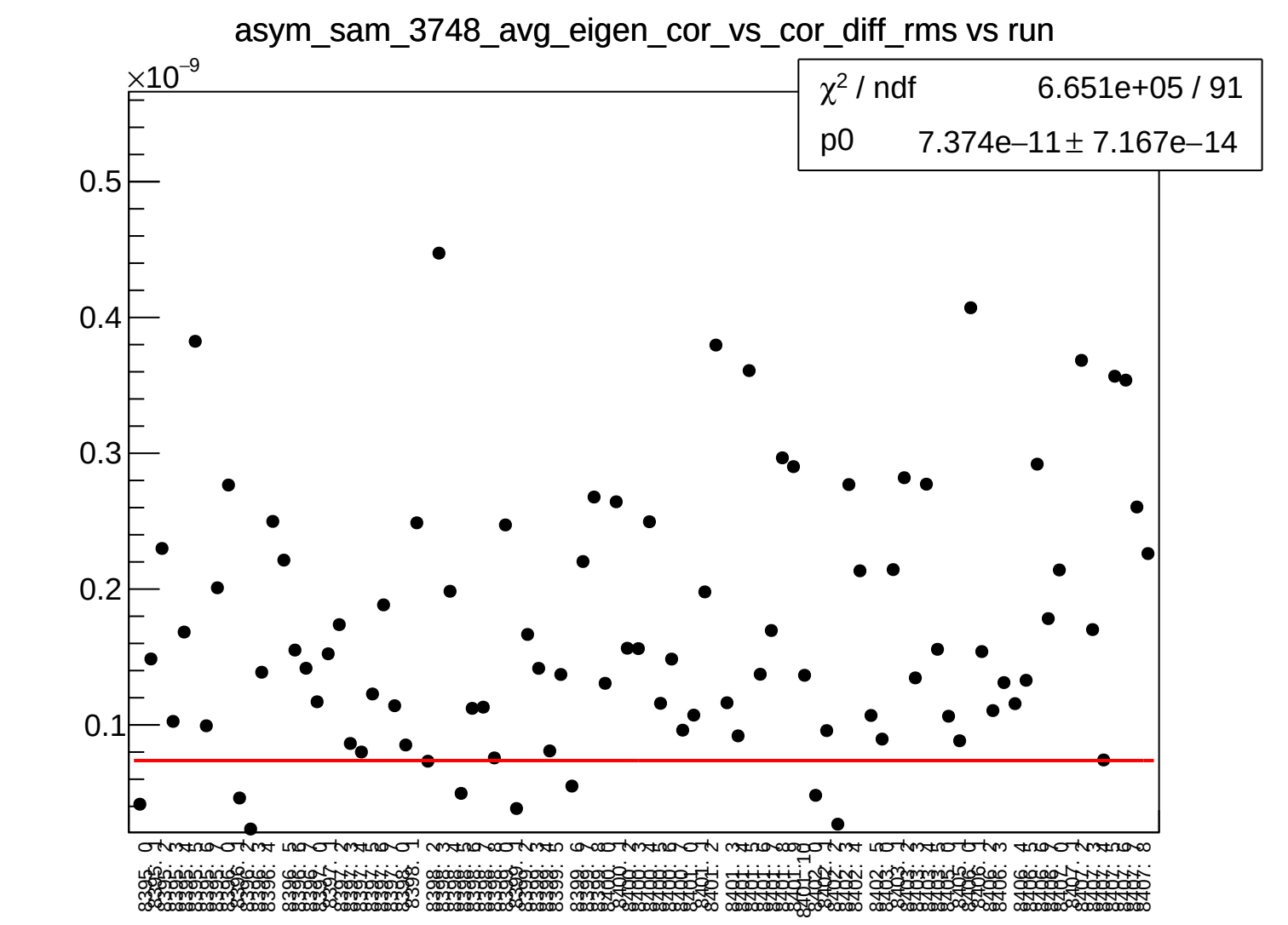

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.416e+04 / 91
p0 53.04 ± 0.0408
220
200
180
160
140
120
100
80
60
40

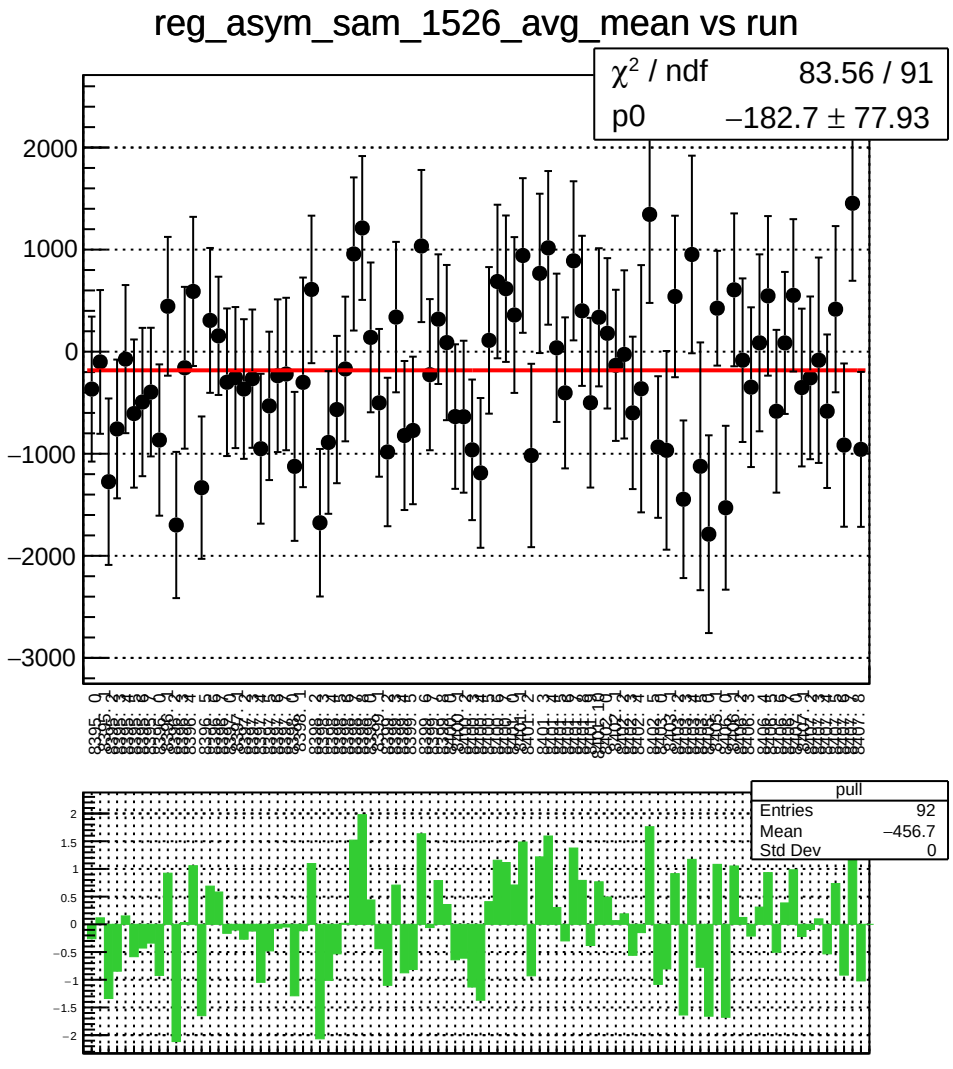

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.88 / 91
p0 −0.08995 ± 0.05771
pull
Entries 92
Mean −457.2
Std Dev 0
pull1D
Entries 92
Mean −0.004363
Std Dev 0.9605

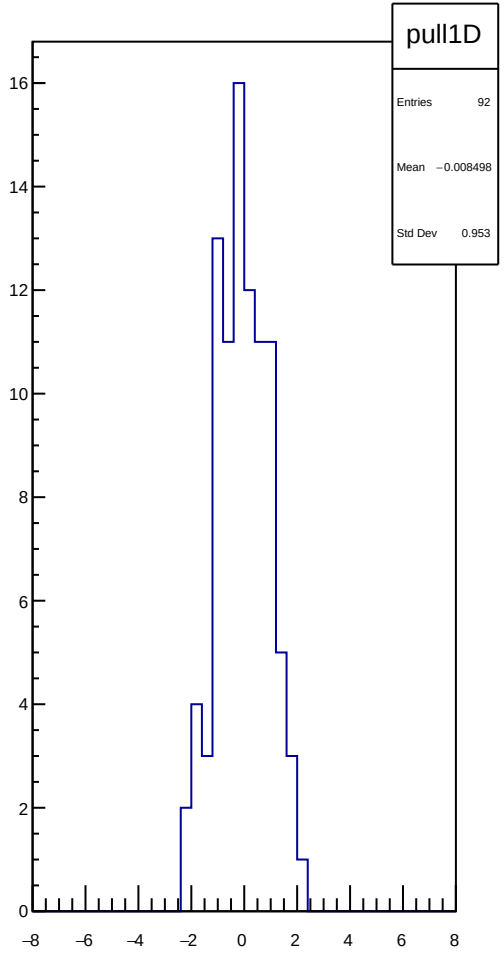

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.416e+04 / 91
p0 53.04 ± 0.0408
220
200
180
160
140
120
100
80
60
40

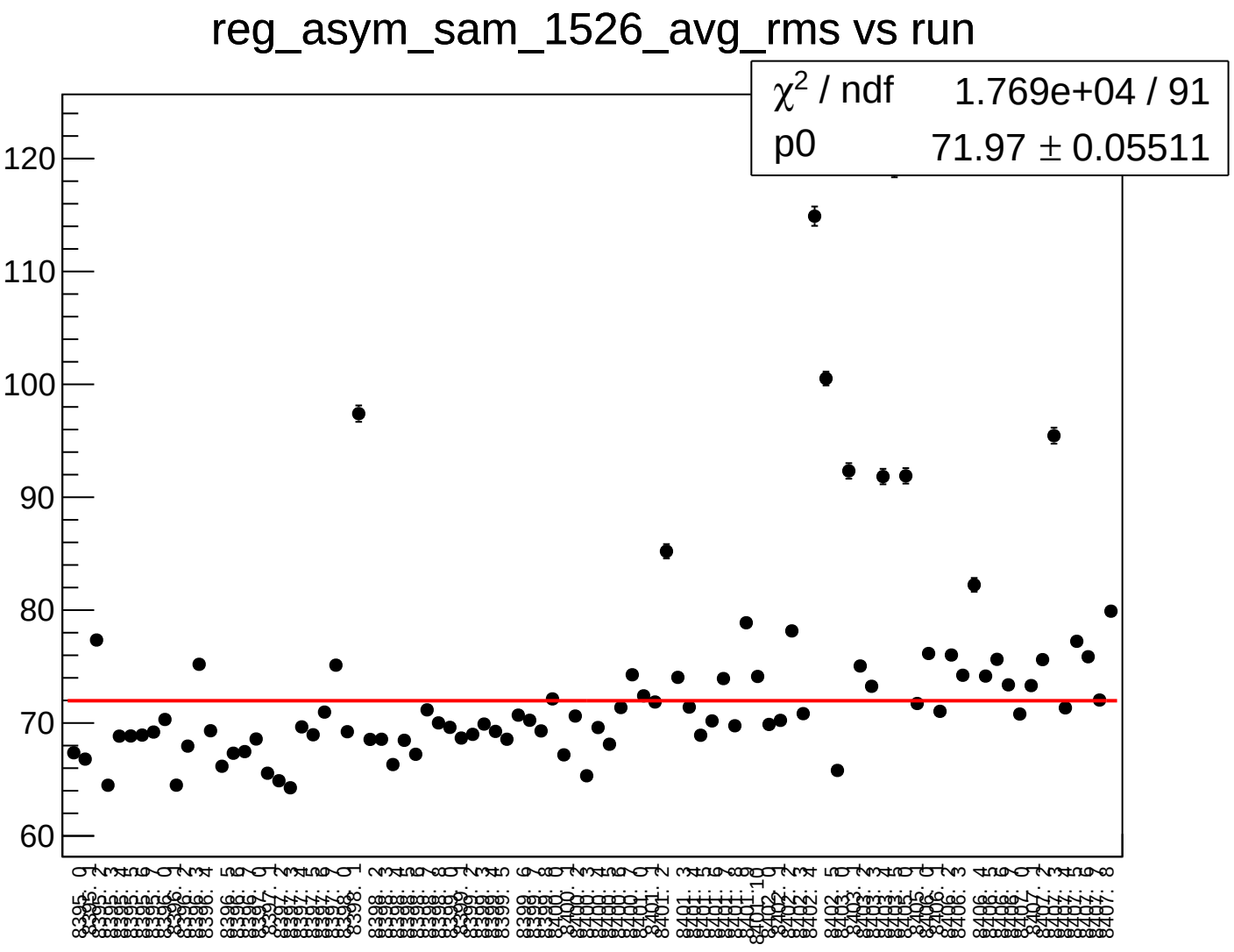

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.11 / 91
p0 −1.131e−13 ± 1.014e−13
pull
Entries 92
Mean 50.12
Std Dev 68.85

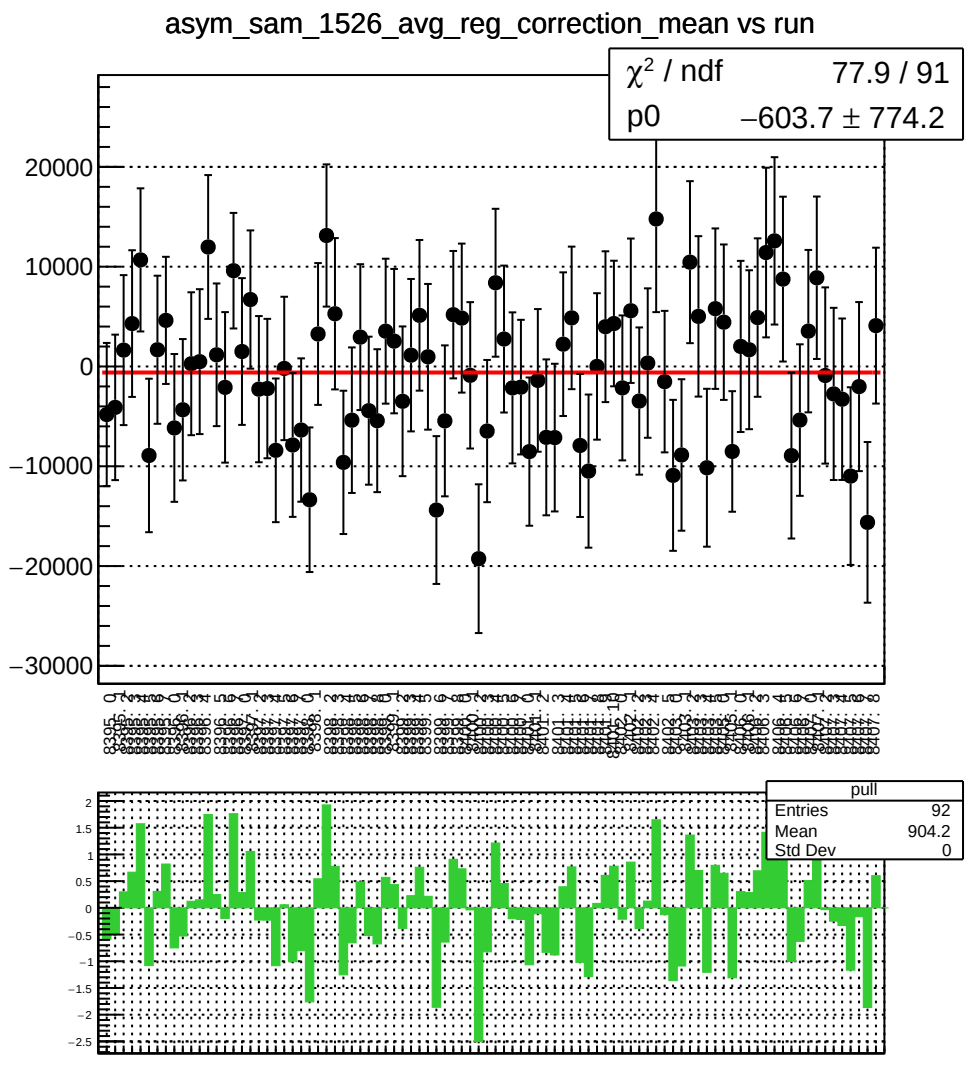

pull1D
Entries 92
Mean 0.03613
Std Dev 0.7731

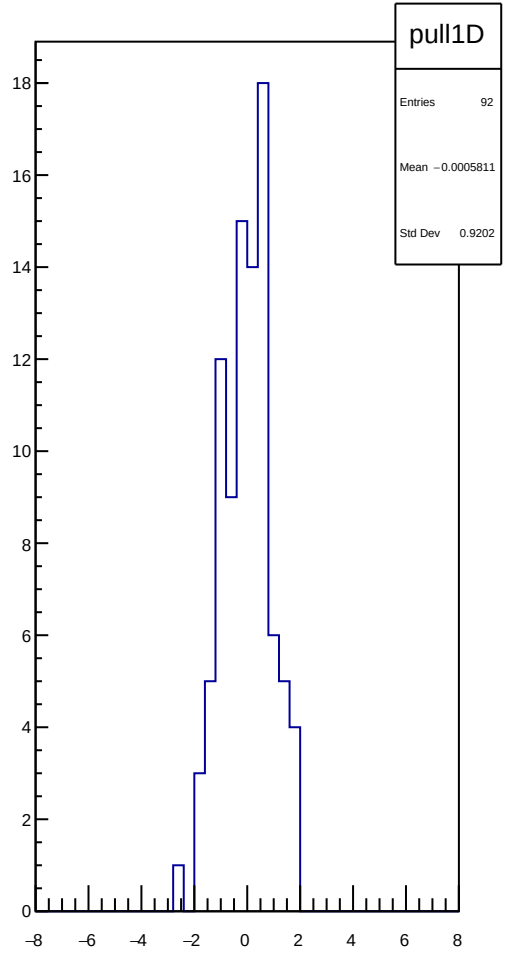

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.651e+05 / 91
p0 7.374e−11 ± 7.167e−14
0.5
0.4
0.3
0.2
0.1

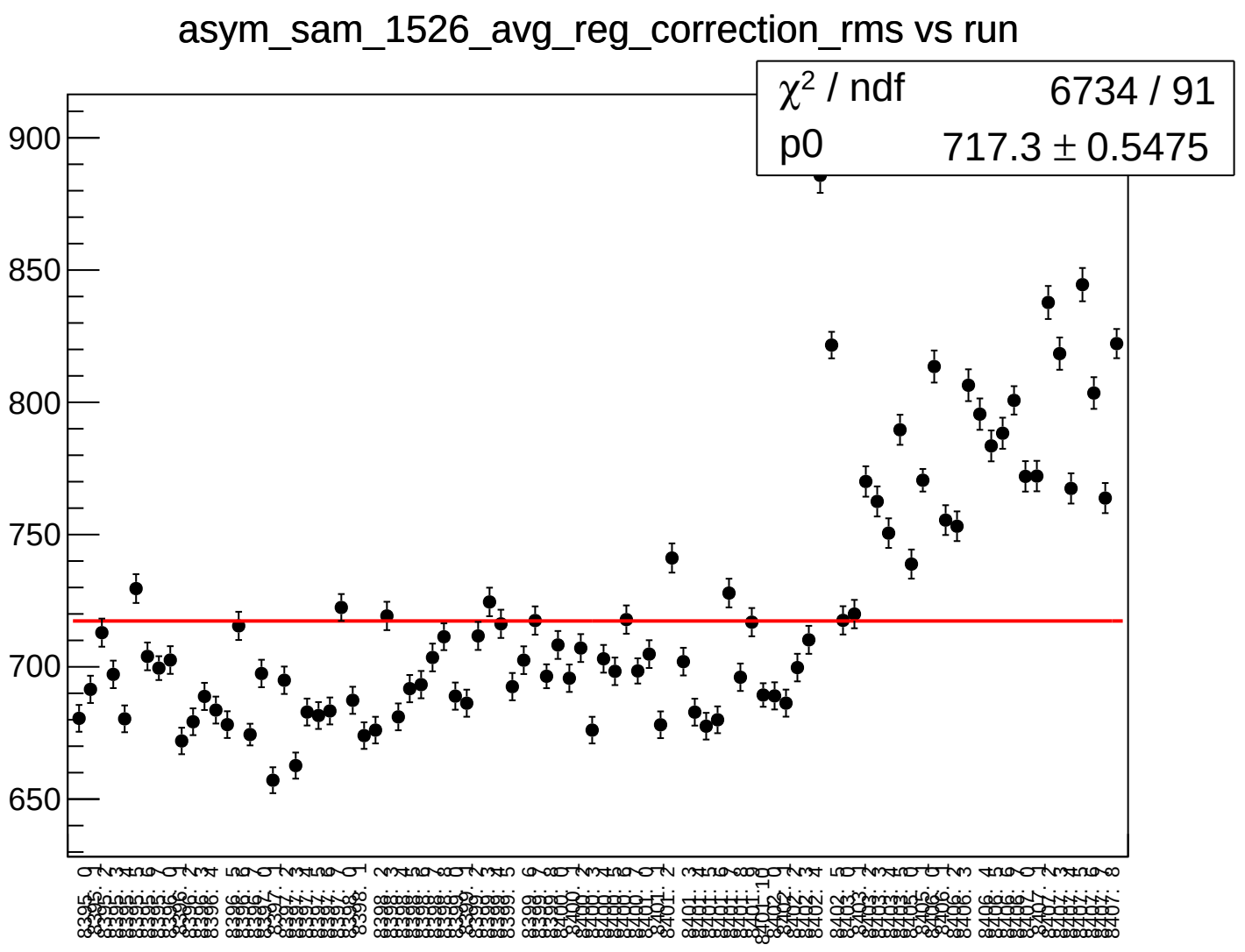

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 83.56 / 91
p0 −182.7 ± 77.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −456.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

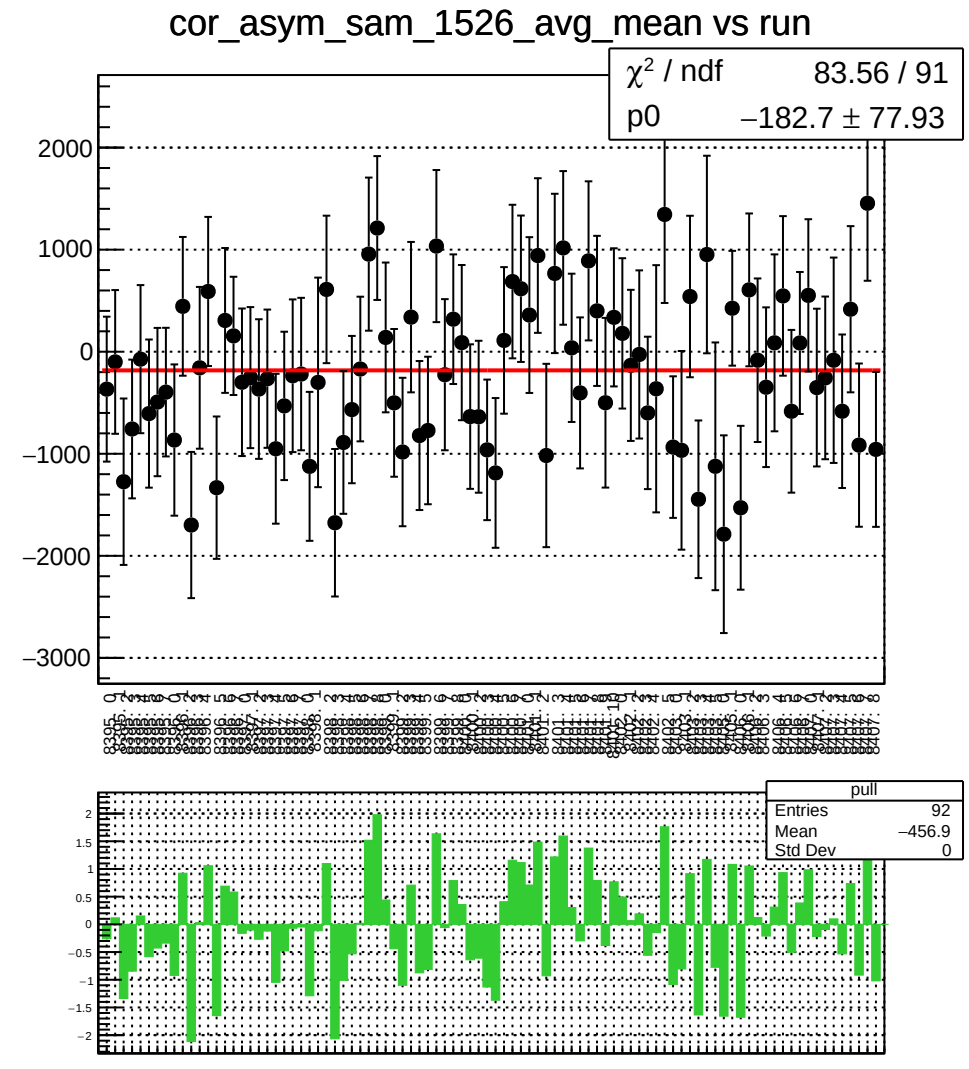

pull1D
Entries 92
Mean −0.008498
Std Dev 0.953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

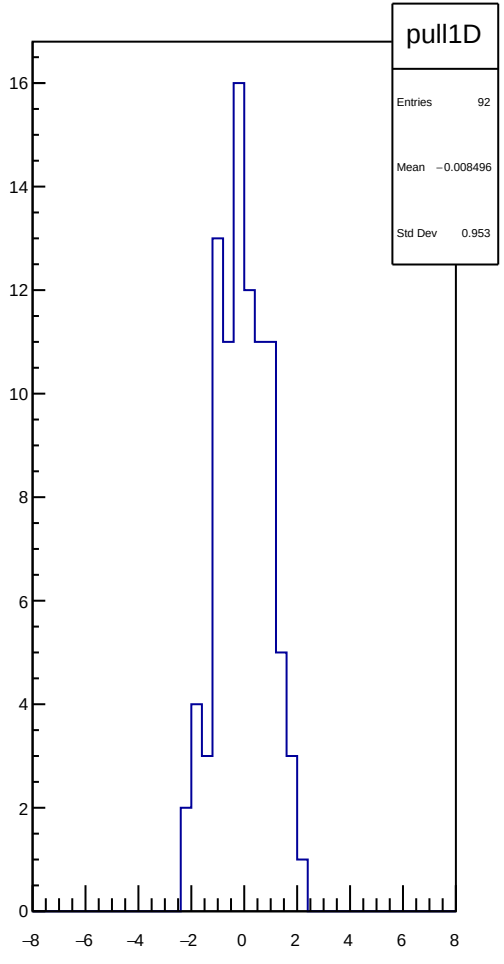

reg_asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 1.769e+04 / 91
p0 71.97 ± 0.05511
120
110
100
90
80
70
60

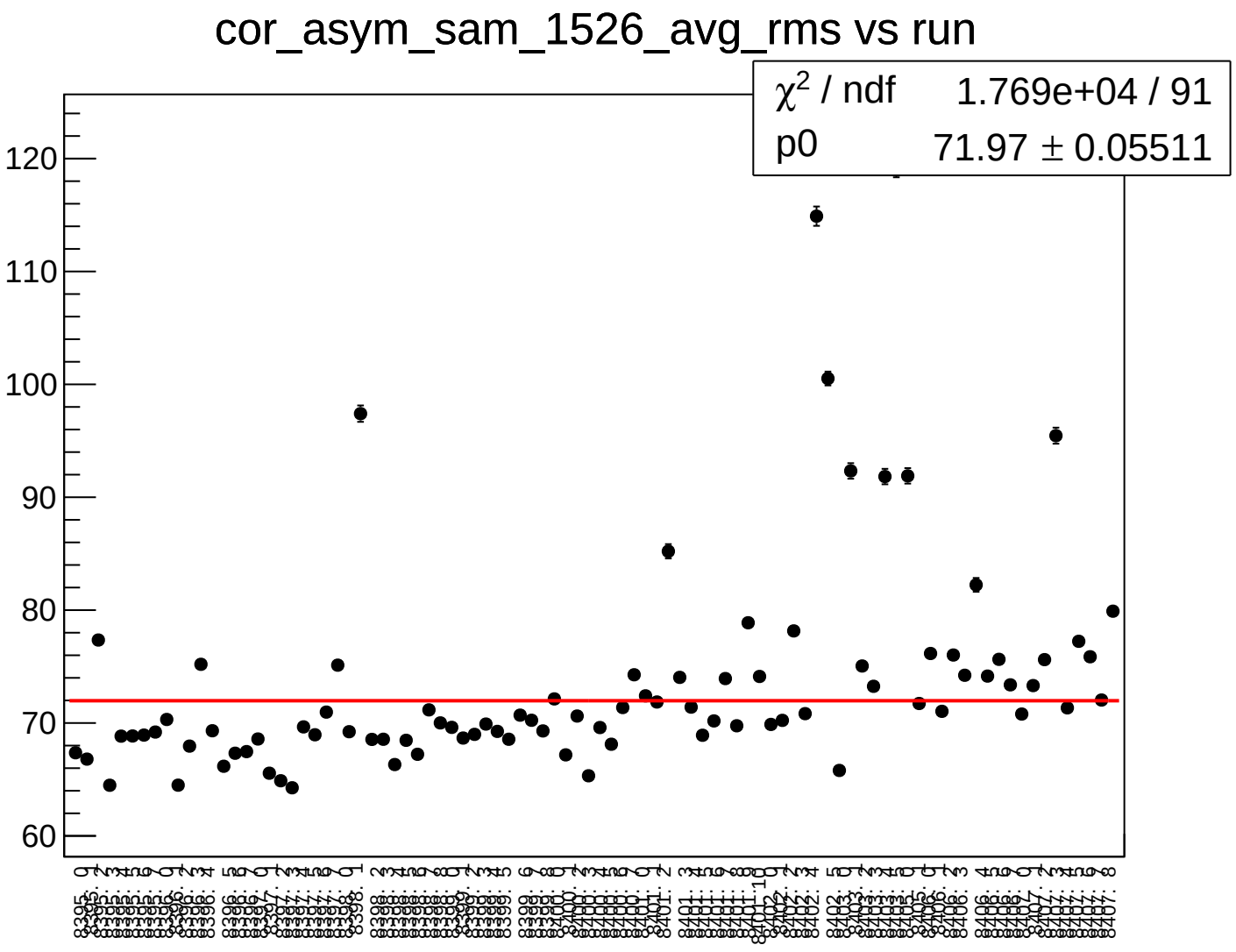

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 77.9 / 91
p0 −603.7 ± 774.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 904.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

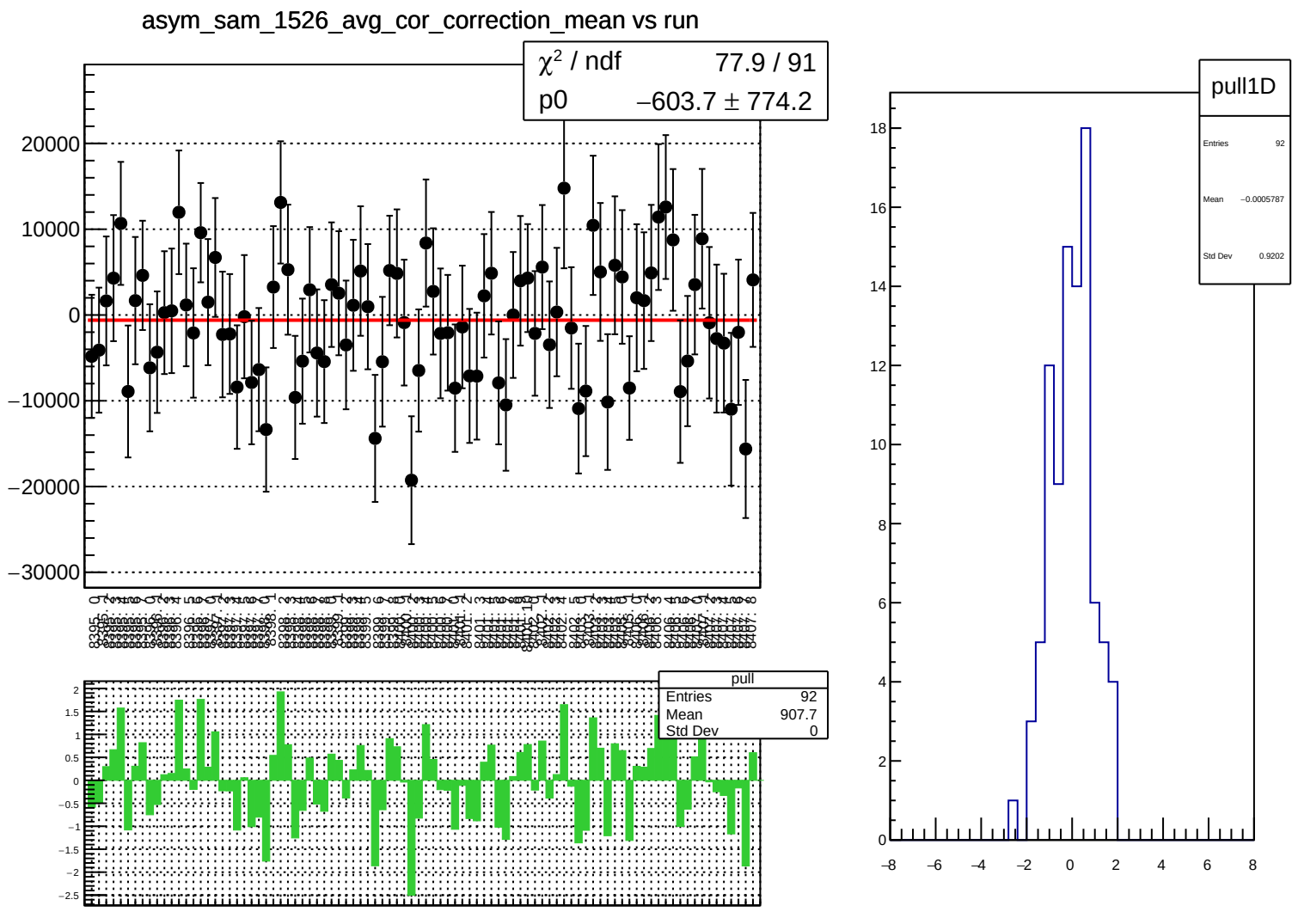

pull1D
Entries 92
Mean −0.0005811
Std Dev 0.9202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

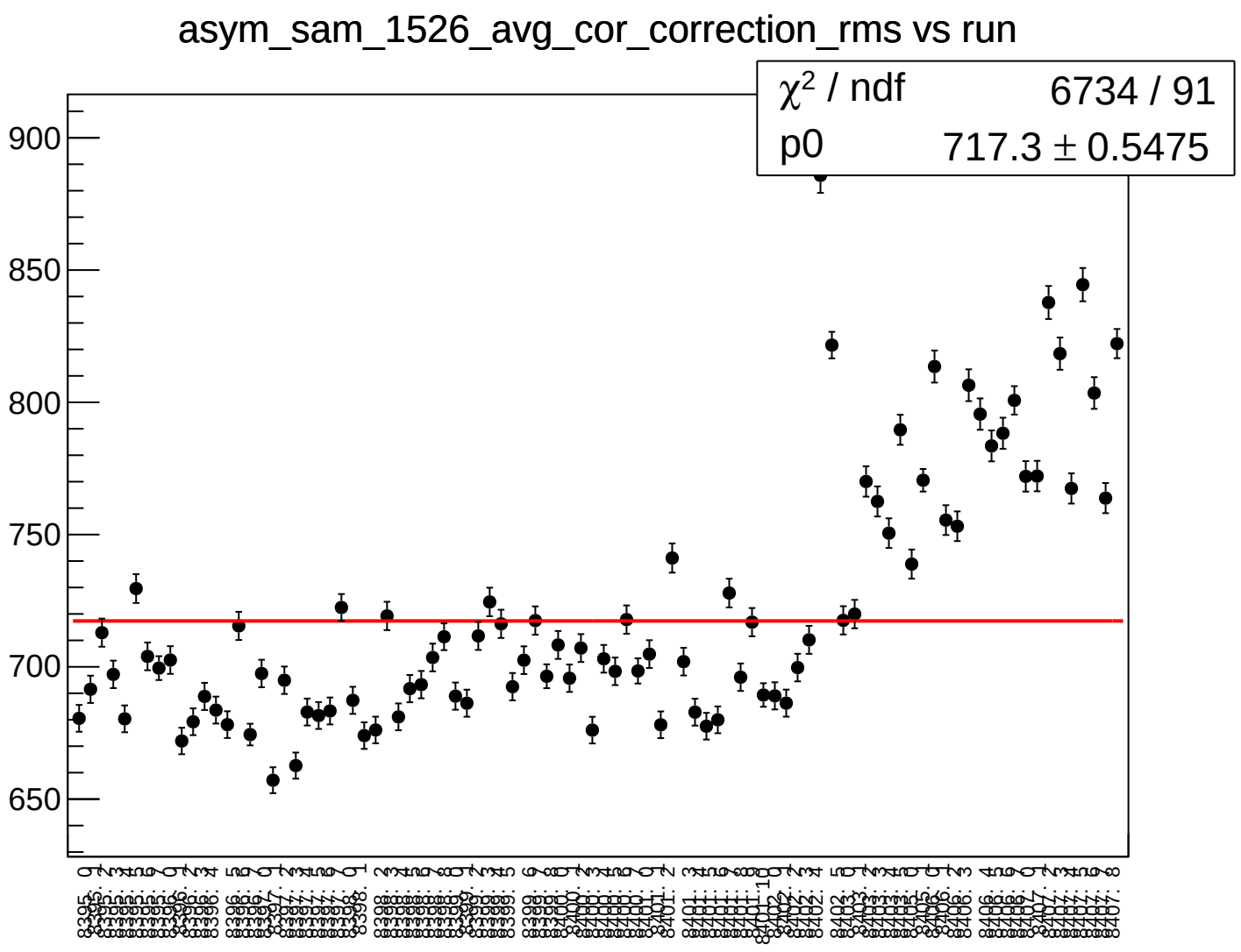

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 6734 / 91
p0 717.3 ± 0.5475
900
850
800
750
700
650

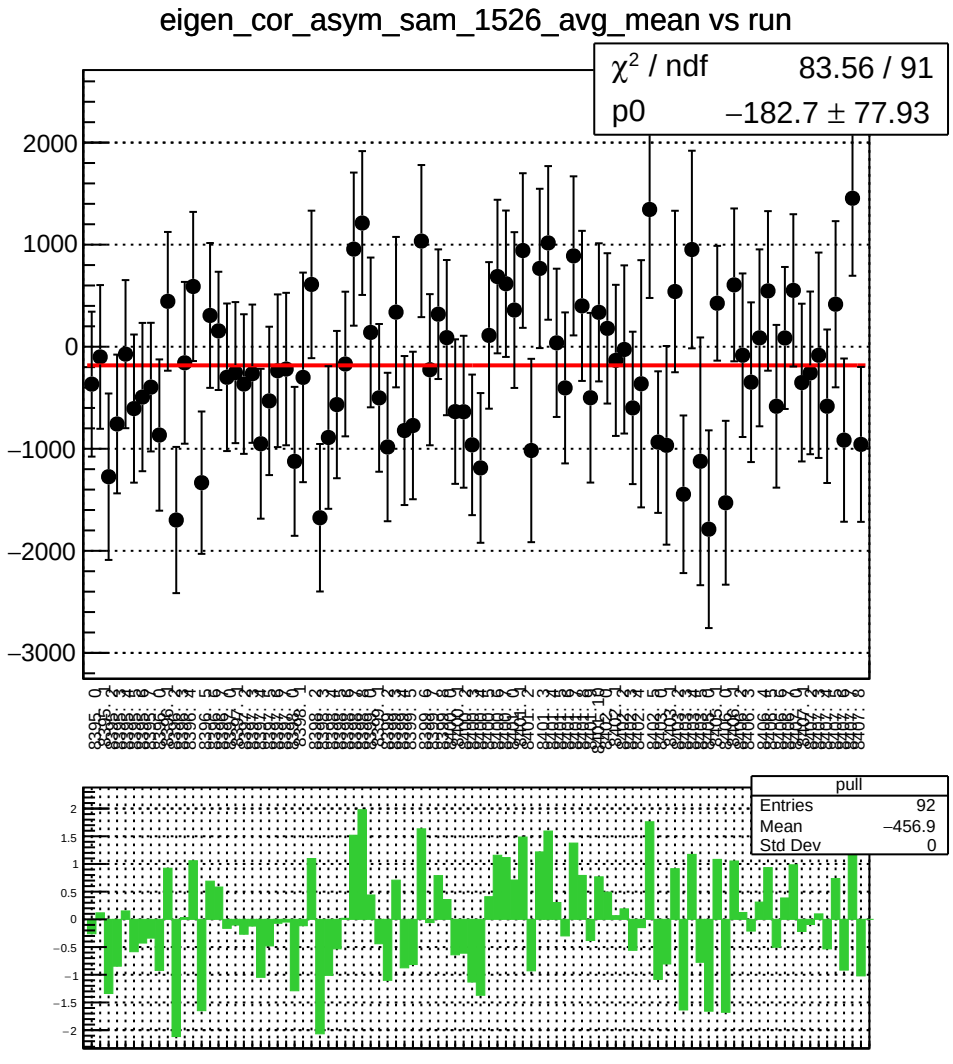

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 83.56 / 91
p0 −182.7 ± 77.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −456.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

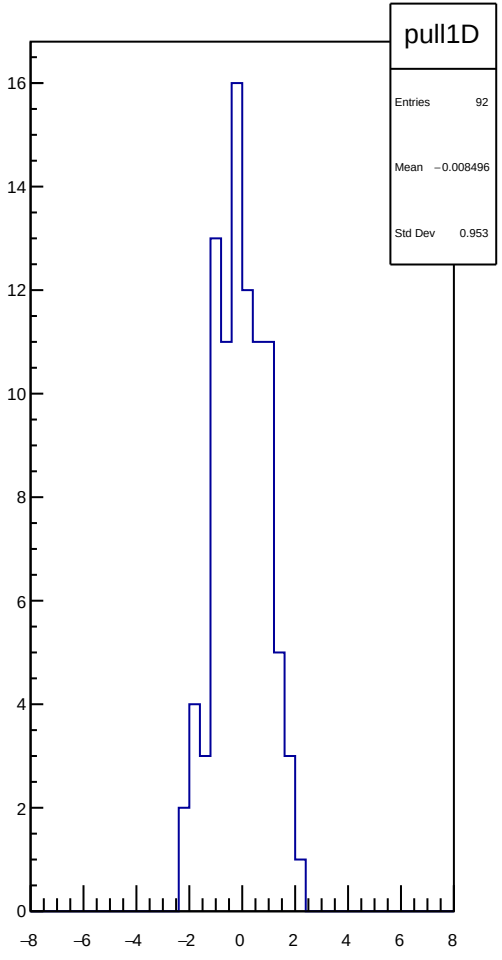

pull1D
Entries 92
Mean −0.008496
Std Dev 0.953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

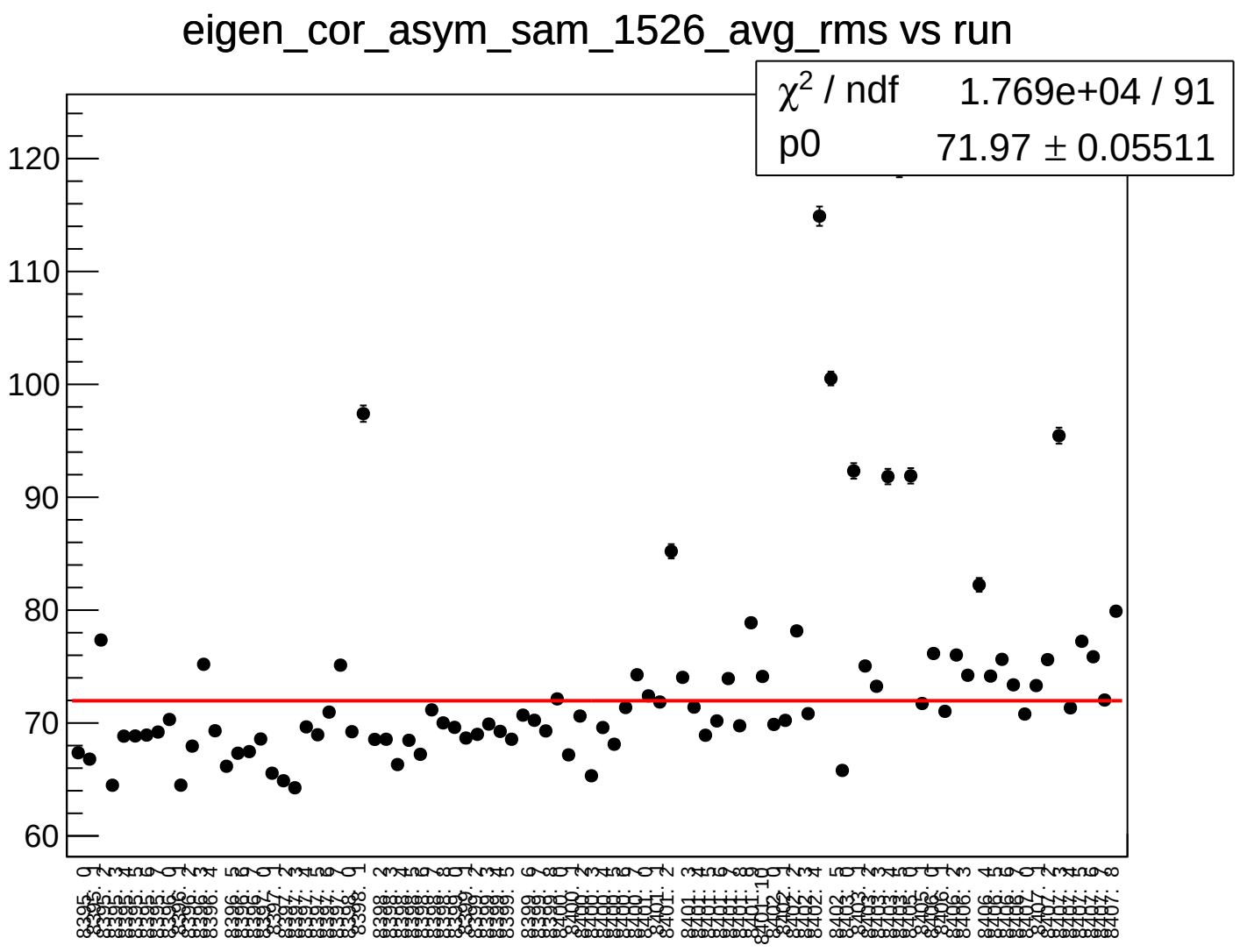

cor_asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 1.769e+04 / 91
p0 71.97 ± 0.05511
120
110
100
90
80
70
60

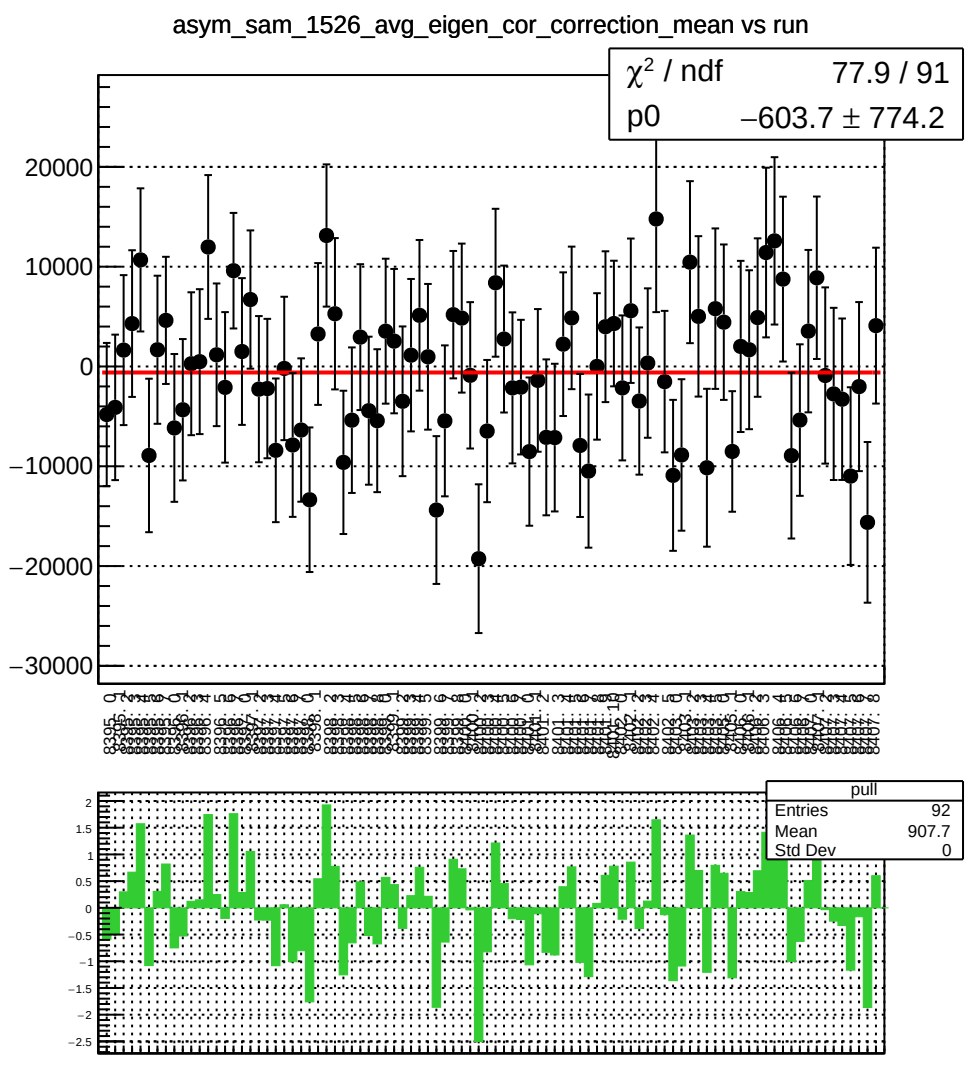

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 77.9 / 91
p0 −603.7 ± 774.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 907.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.0005787
Std Dev 0.9202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

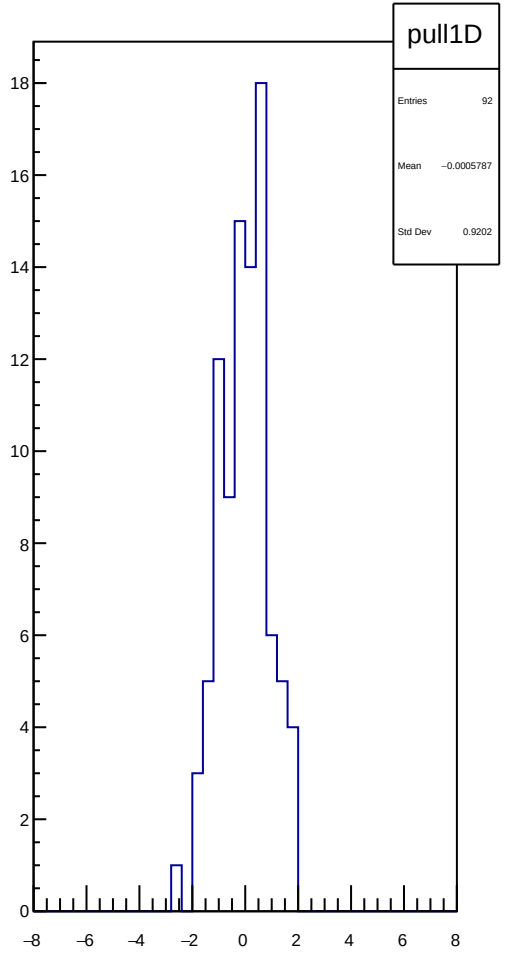

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 6734 / 91
p0 717.3 ± 0.5475
900
850
800
750
700
650


eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 83.56 / 91
p0 −182.7 ± 77.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean −456.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 92
Mean −0.008496
Std Dev 0.953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 1.769e+04 / 91
p0 71.97 ± 0.05511
120
110
100
90
80
70
60


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.9 / 91
p0 −603.7 ± 774.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 907.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 92
Mean −0.0005787
Std Dev 0.9202
18
16
14
12
10
8
6
4
2
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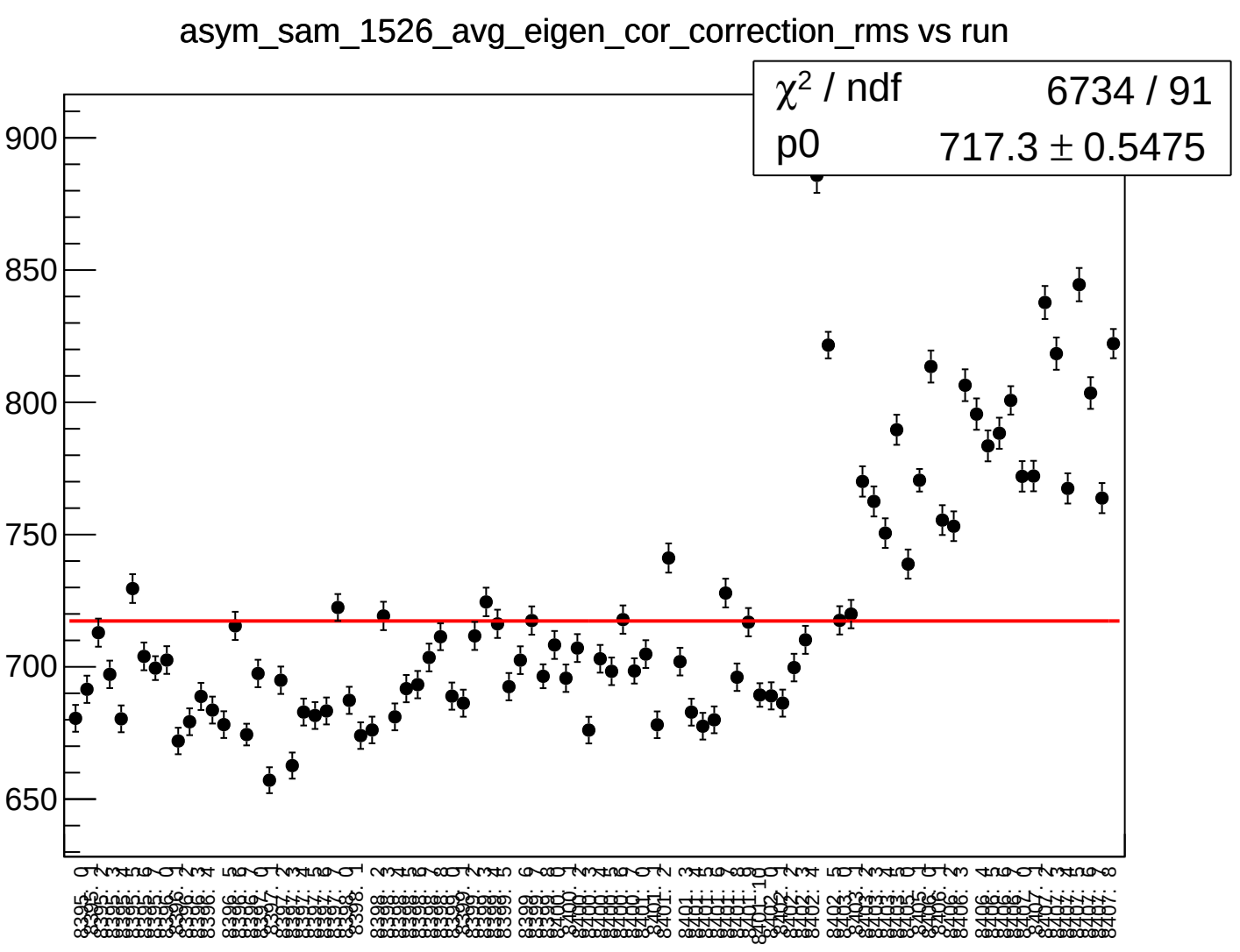
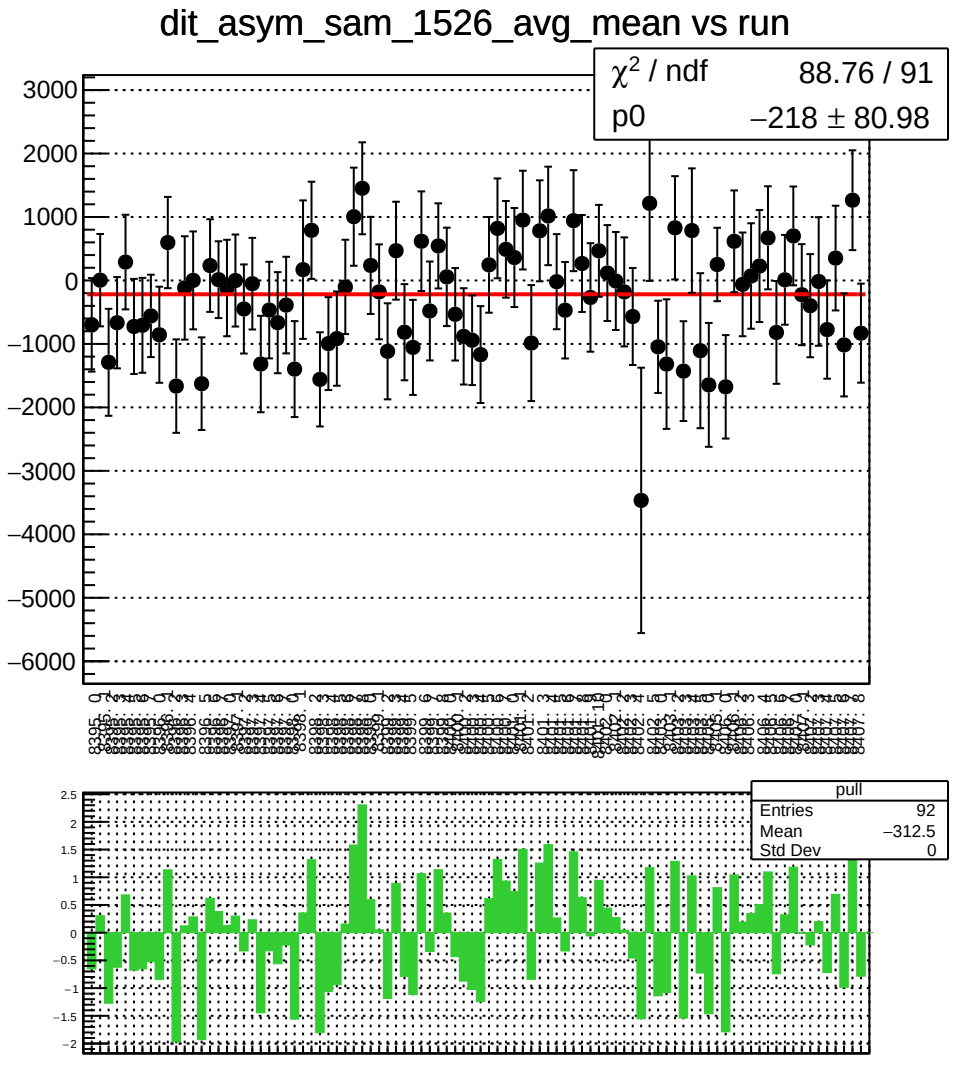
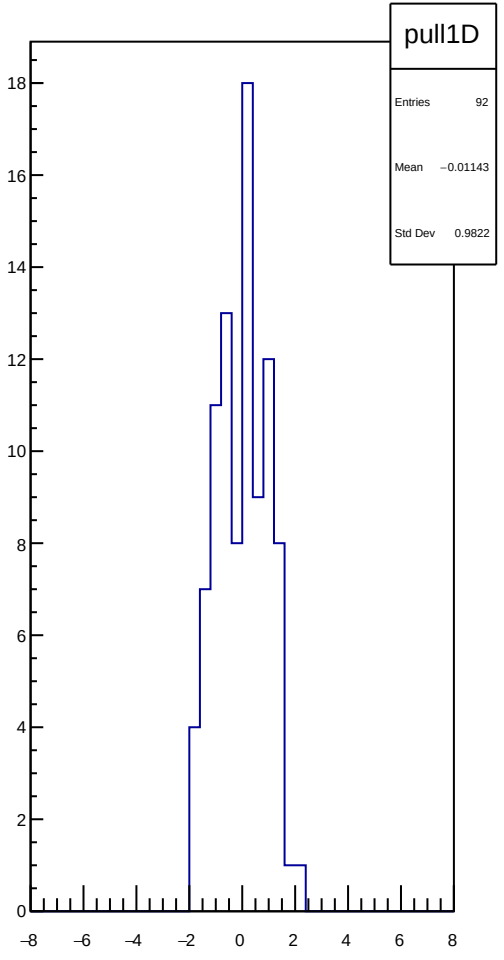
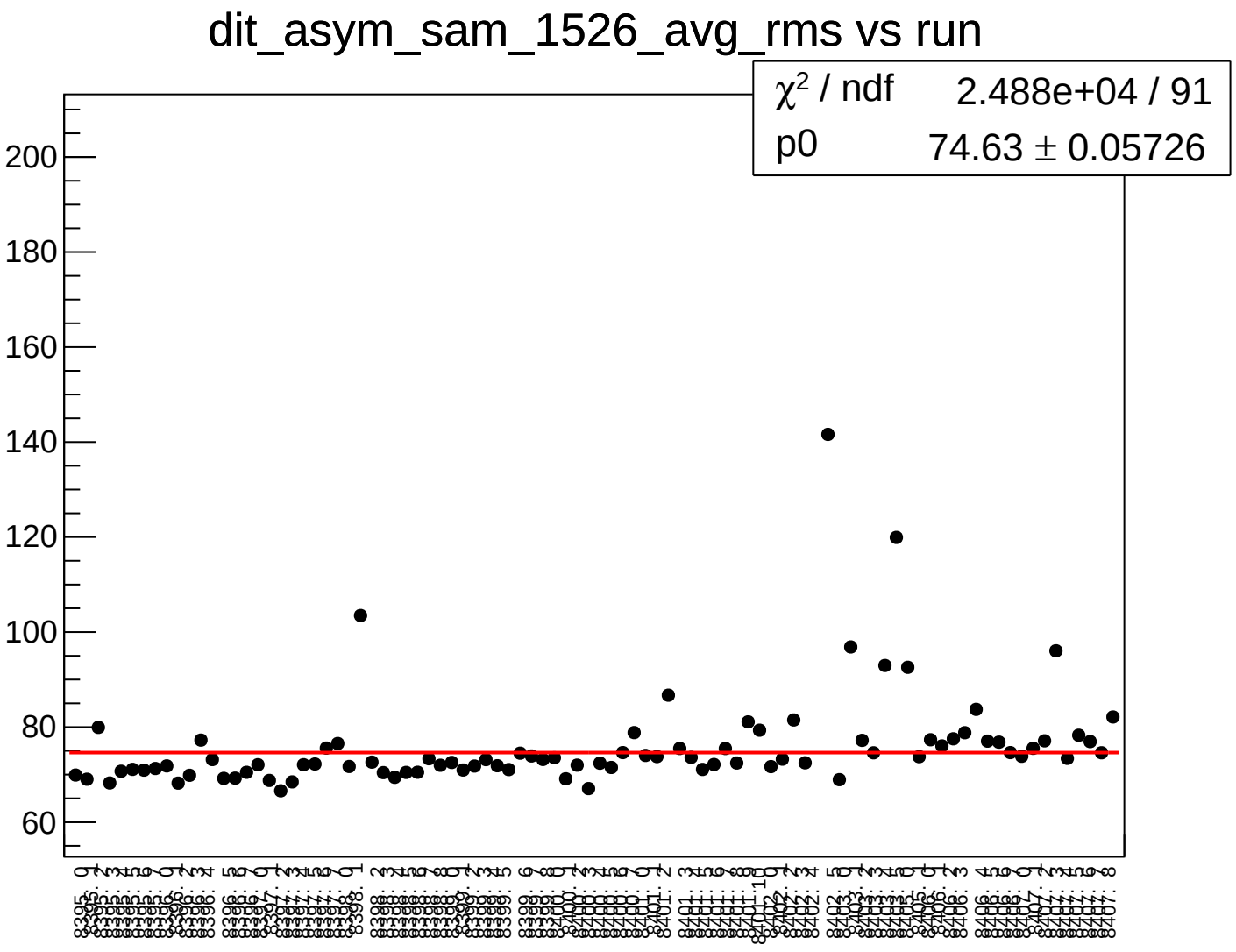
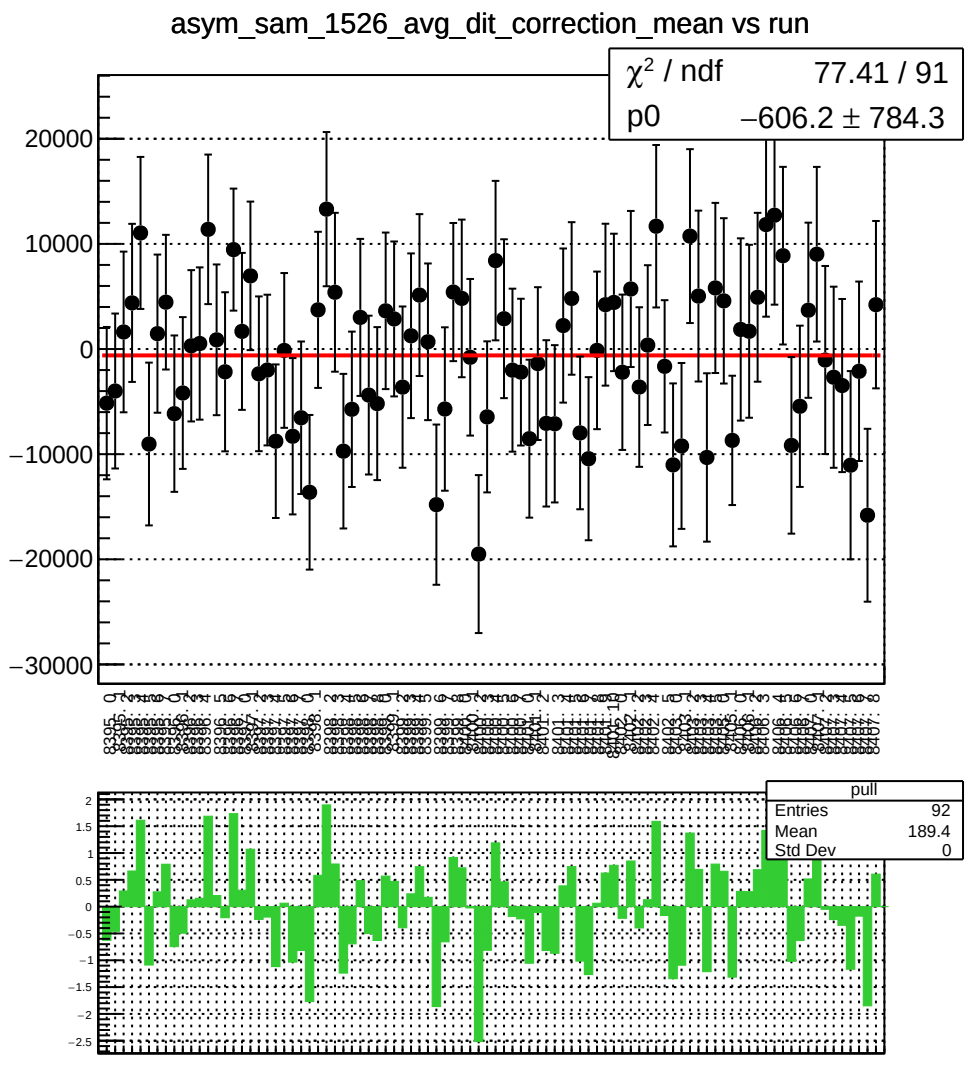
−8
−6
−4
−2
0
2
4
6
8

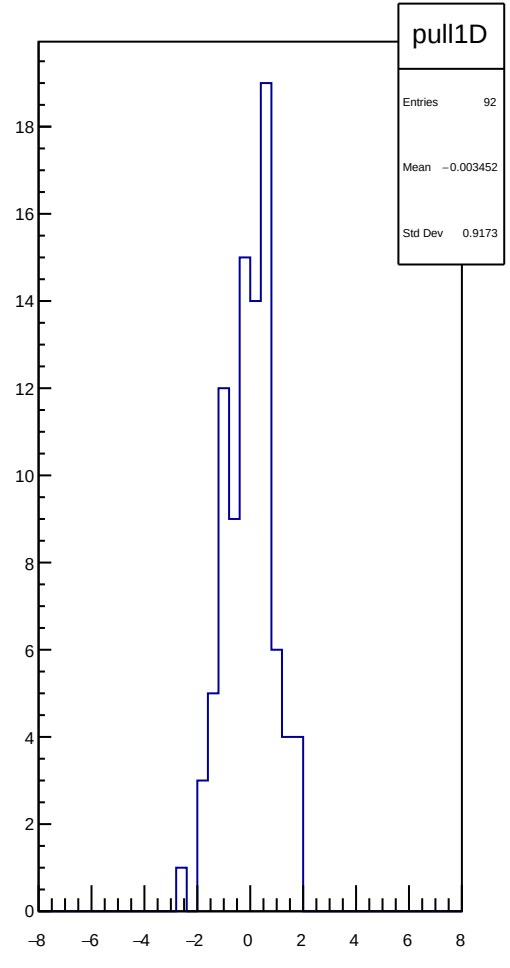

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 6734 / 91
p0 717.3 ± 0.5475
900
850
800
750
700
650

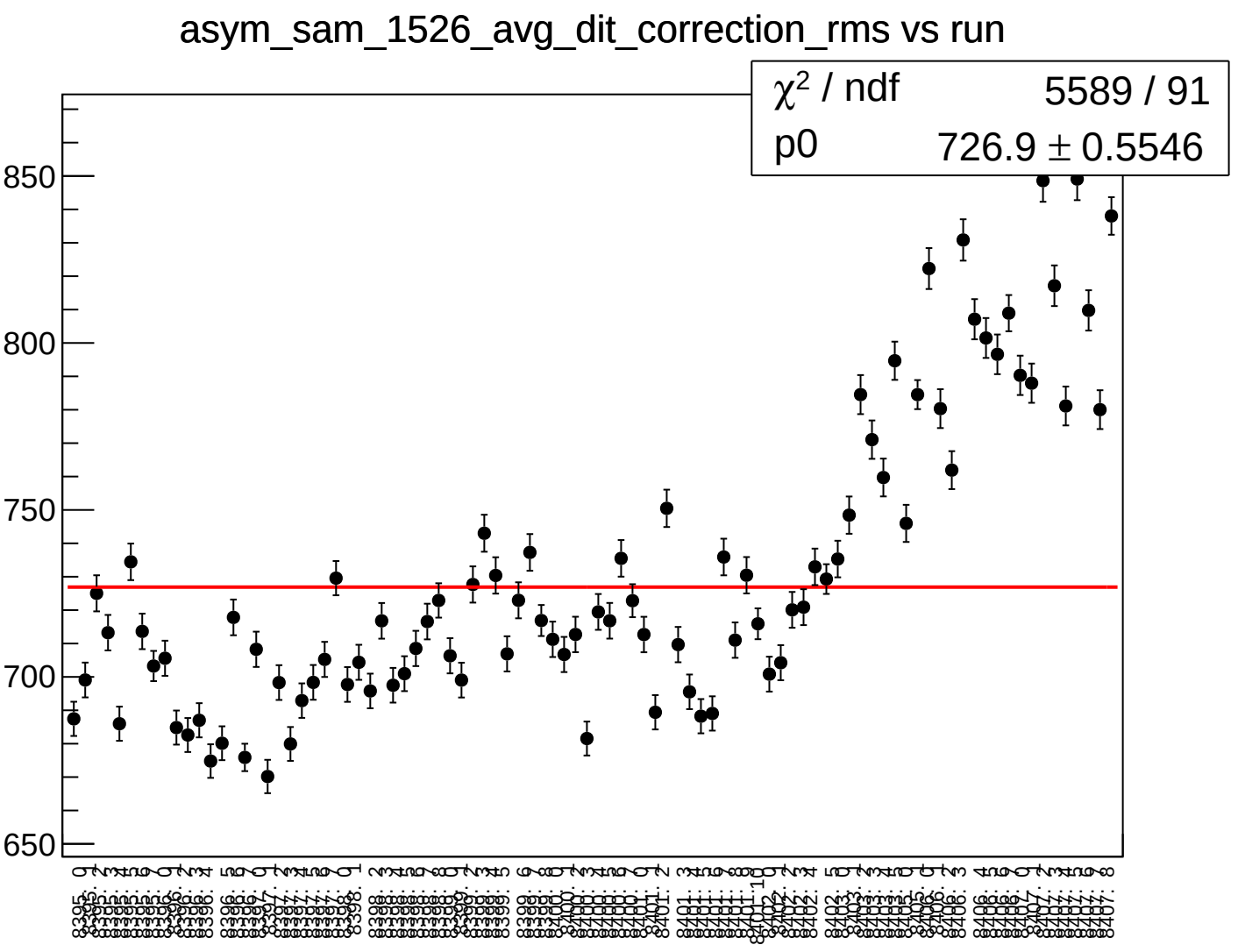

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 88.76 / 91
p0 −218 ± 80.98
pull
Entries 92
Mean −312.5
Std Dev 0

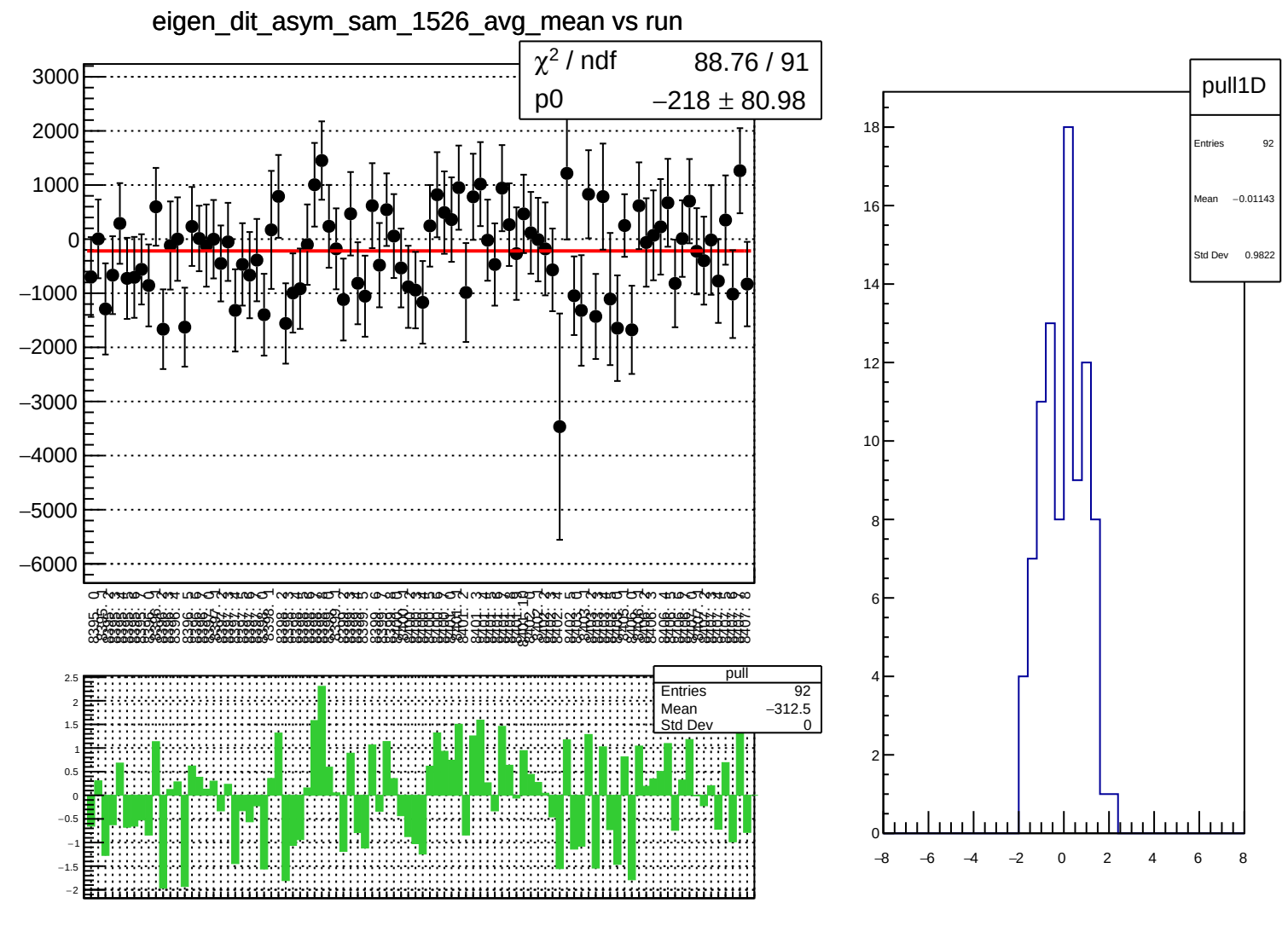

pull1D
Entries 92
Mean −0.01143
Std Dev 0.9822

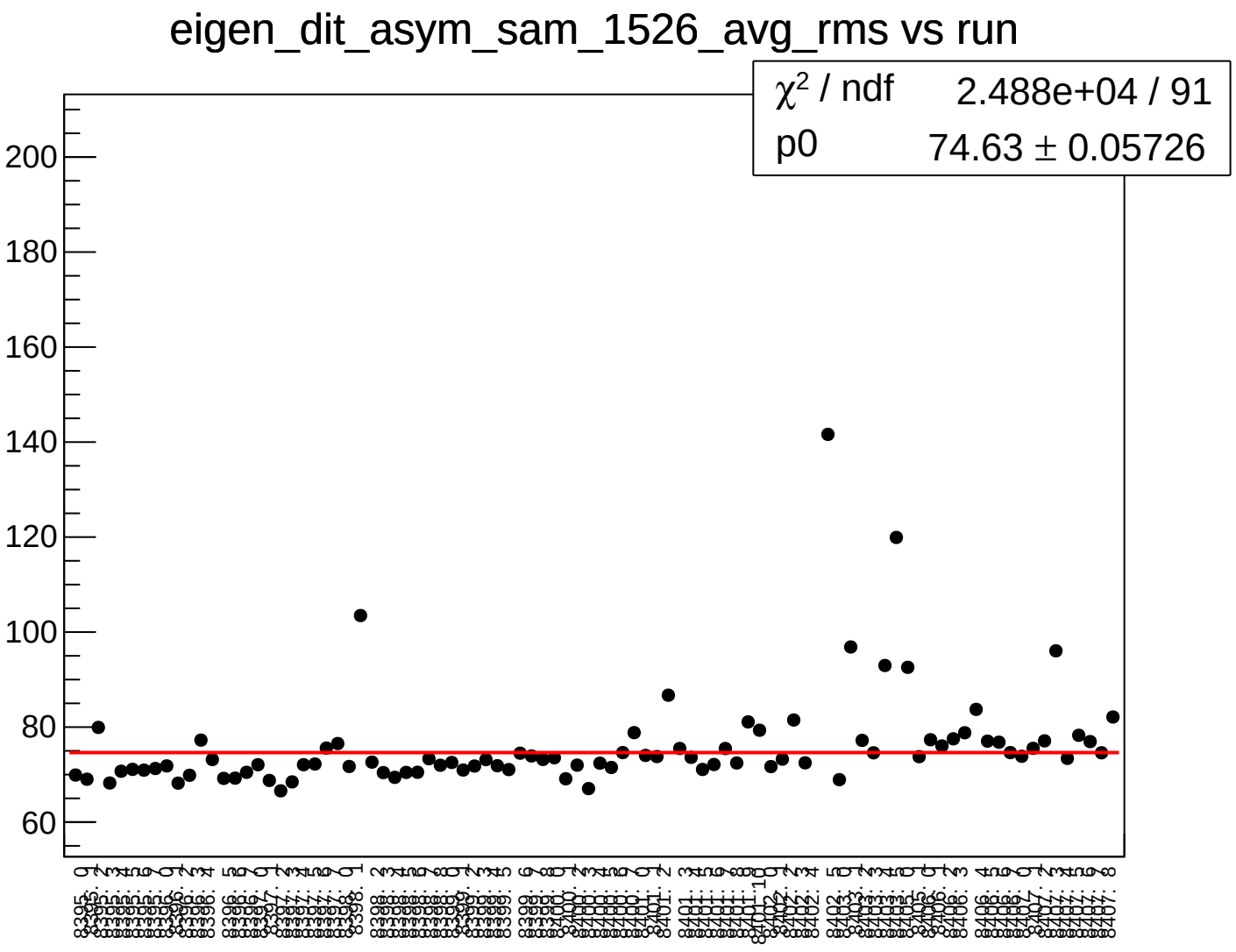

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.488e+04 / 91
p0 74.63 ± 0.05726
200
180
160
140
120
100
80
60

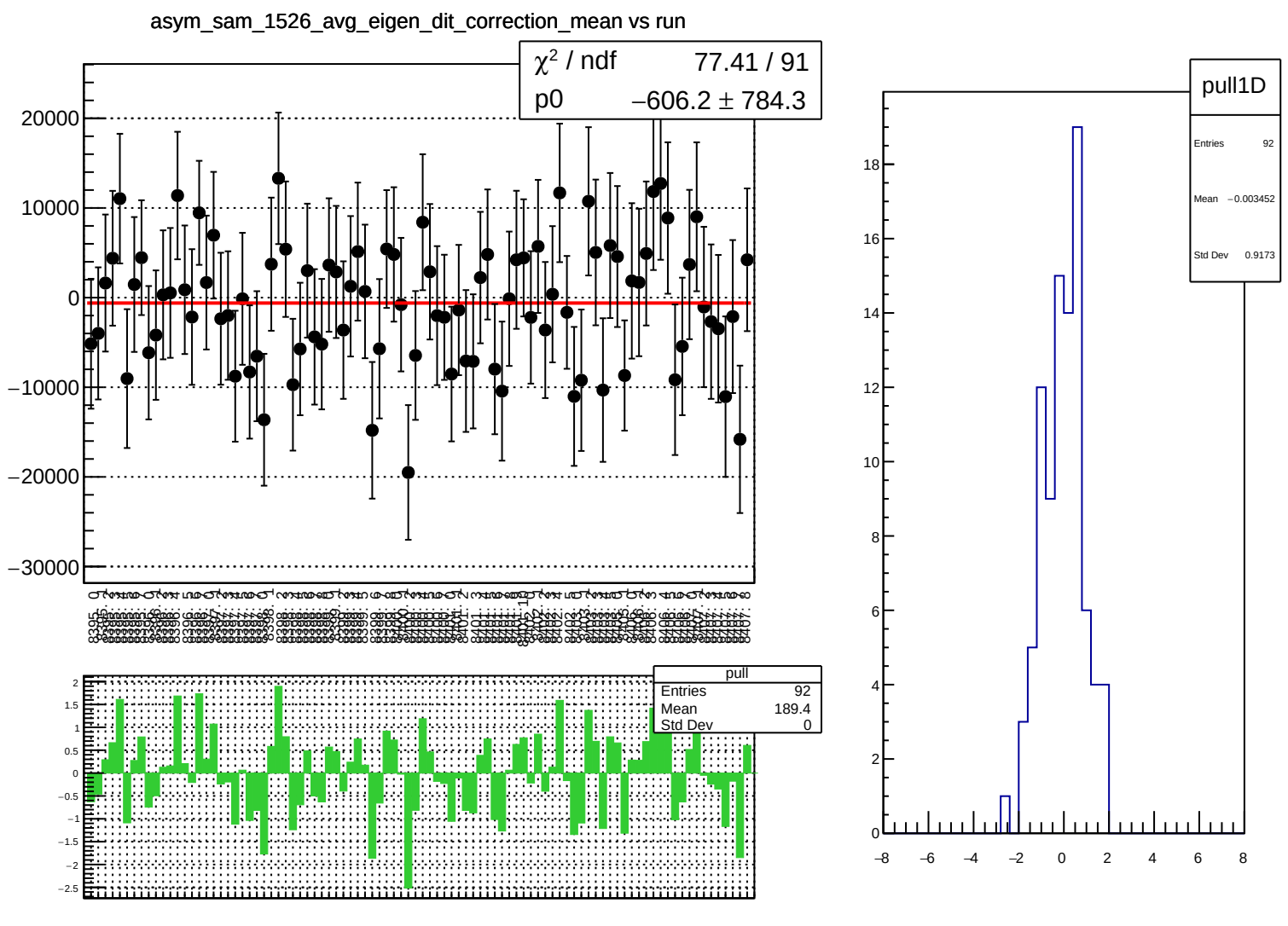

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 77.41 / 91
p0 −606.2 ± 784.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 189.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

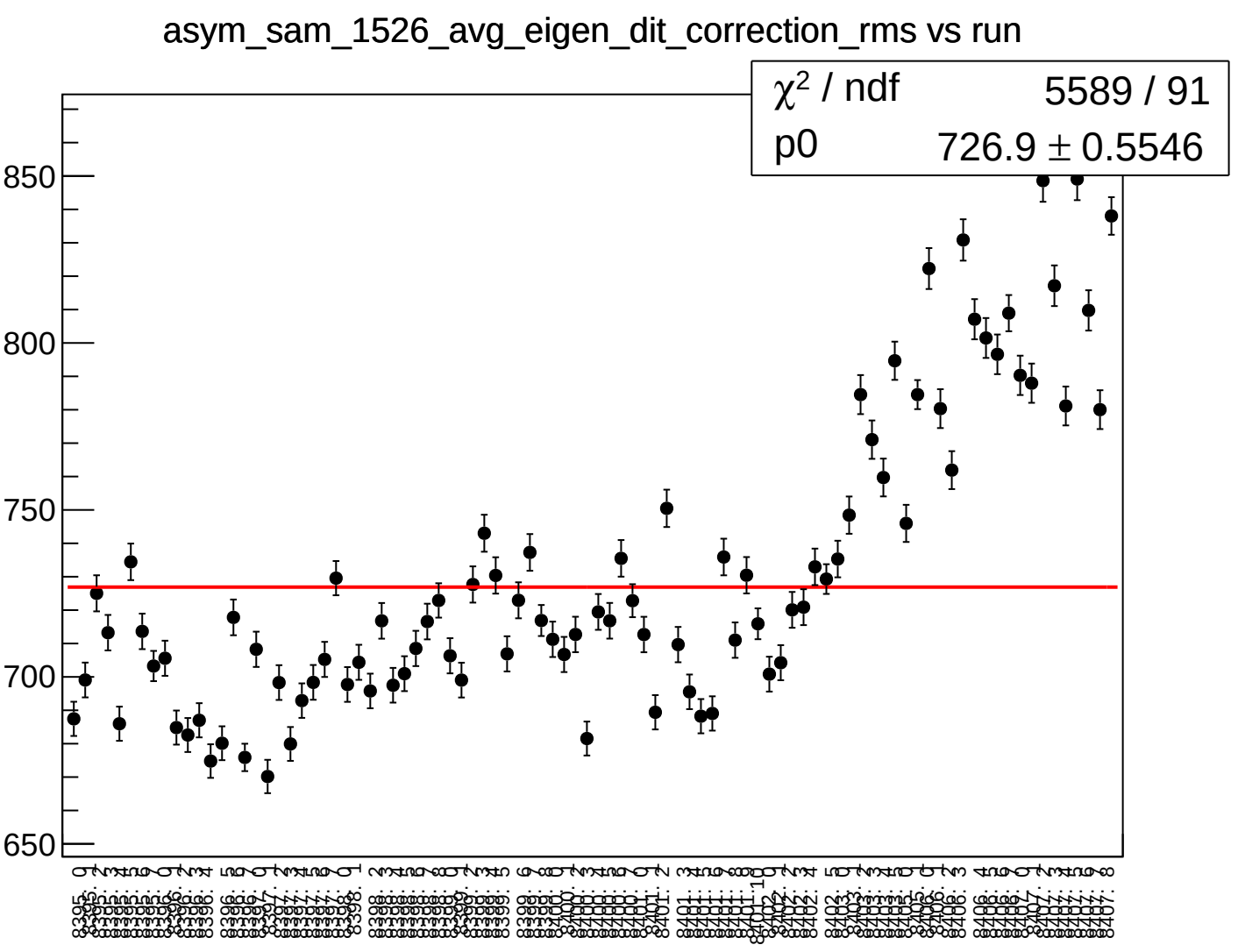

pull1D
Entries 92
Mean −0.003452
Std Dev 0.9173
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

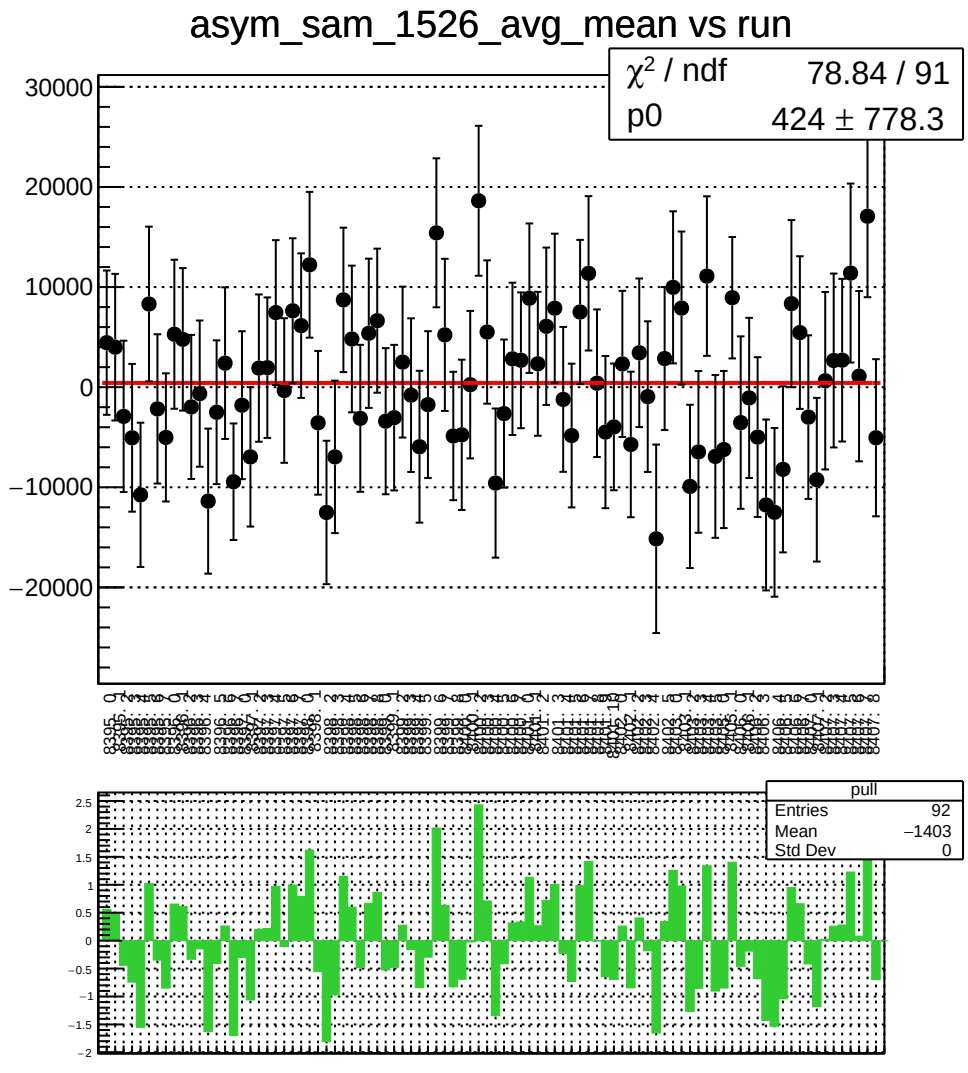

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 5589 / 91
p0 726.9 ± 0.5546
850
800
750
700
650

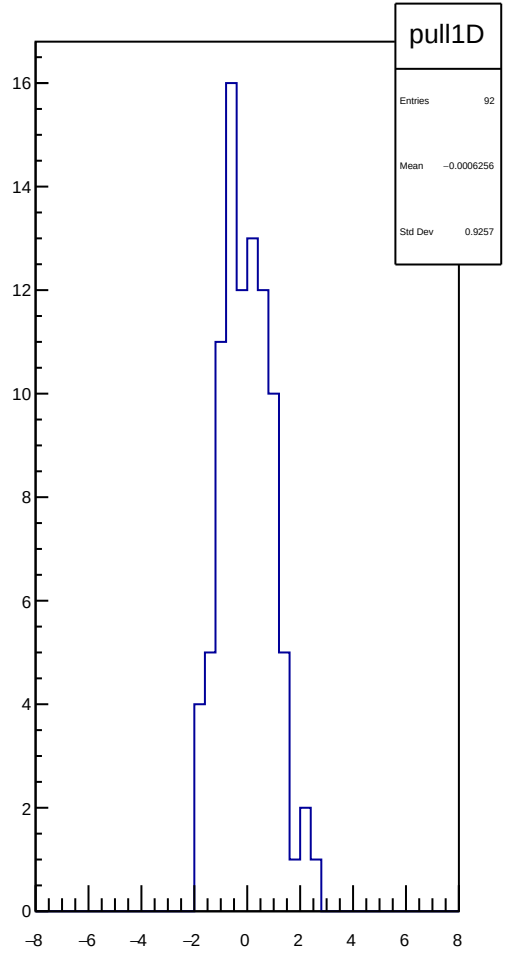

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 88.76 / 91
p0 −218 ± 80.98
pull
Entries 92
Mean −312.5
Std Dev 0
pull1D
Entries 92
Mean −0.01143
Std Dev 0.9822

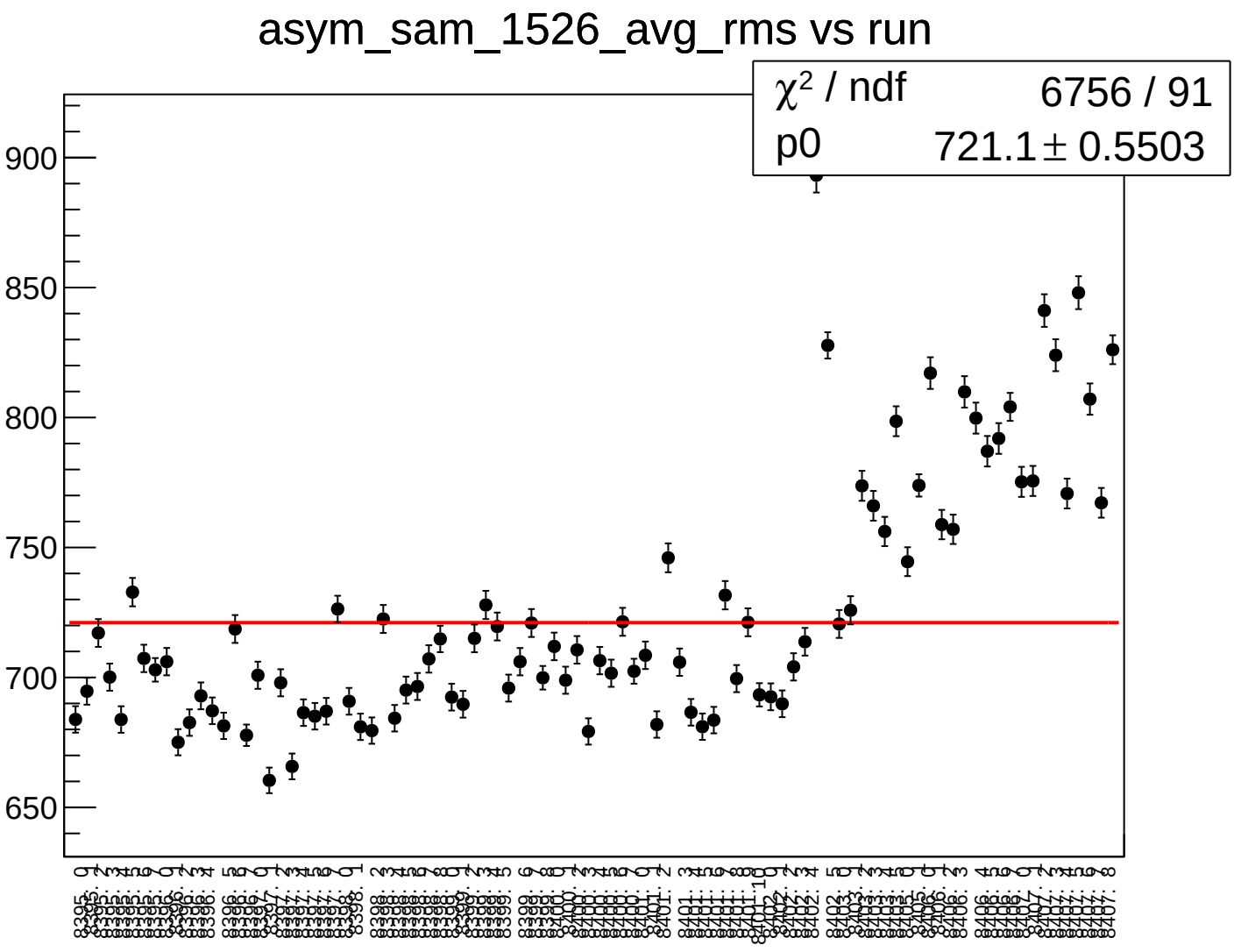

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.488e+04 / 91
p0 74.63 ± 0.05726
200
180
160
140
120
100
80
60

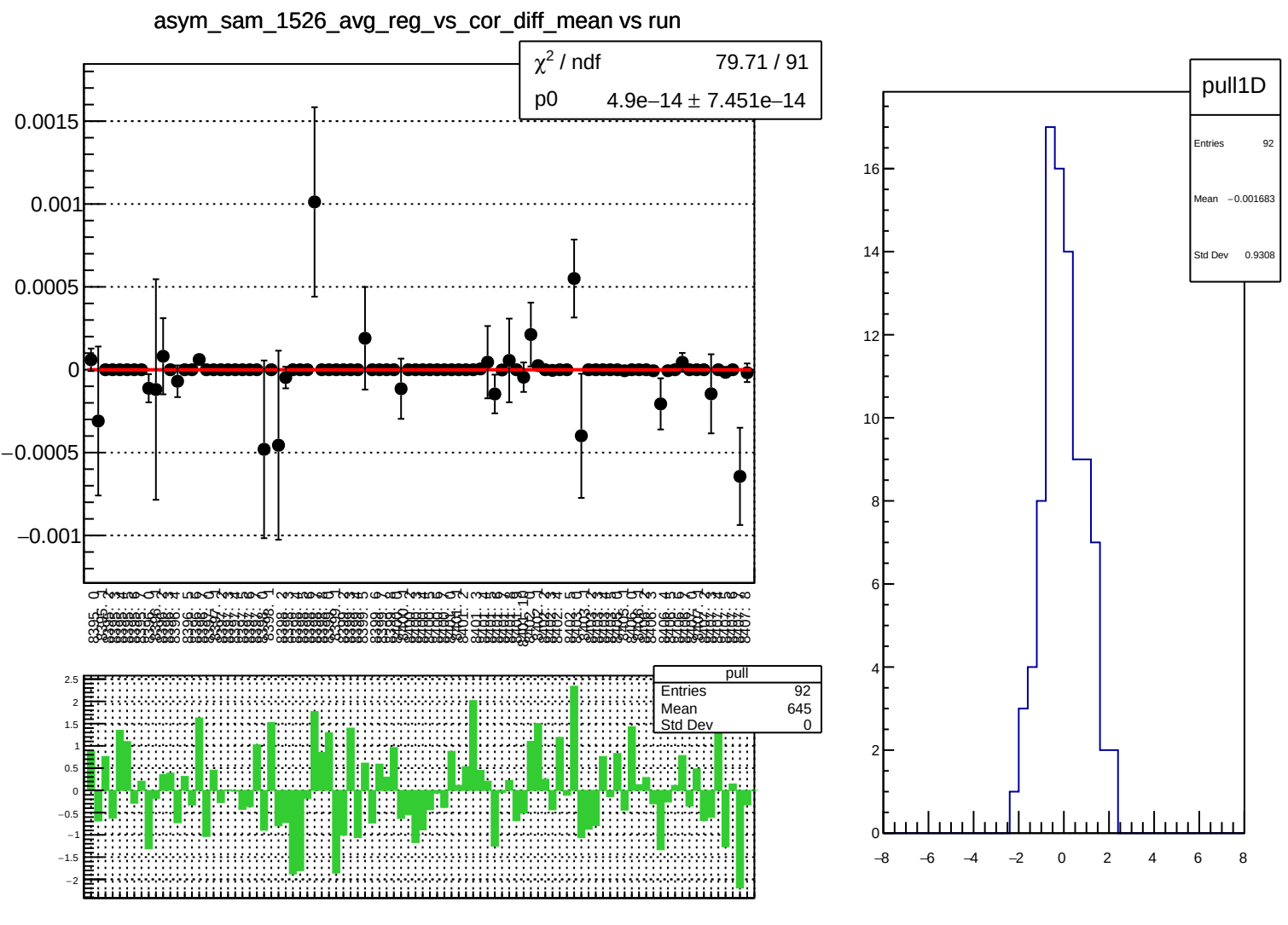

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 77.41 / 91
p0 −606.2 ± 784.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 189.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.003452
Std Dev 0.9173
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

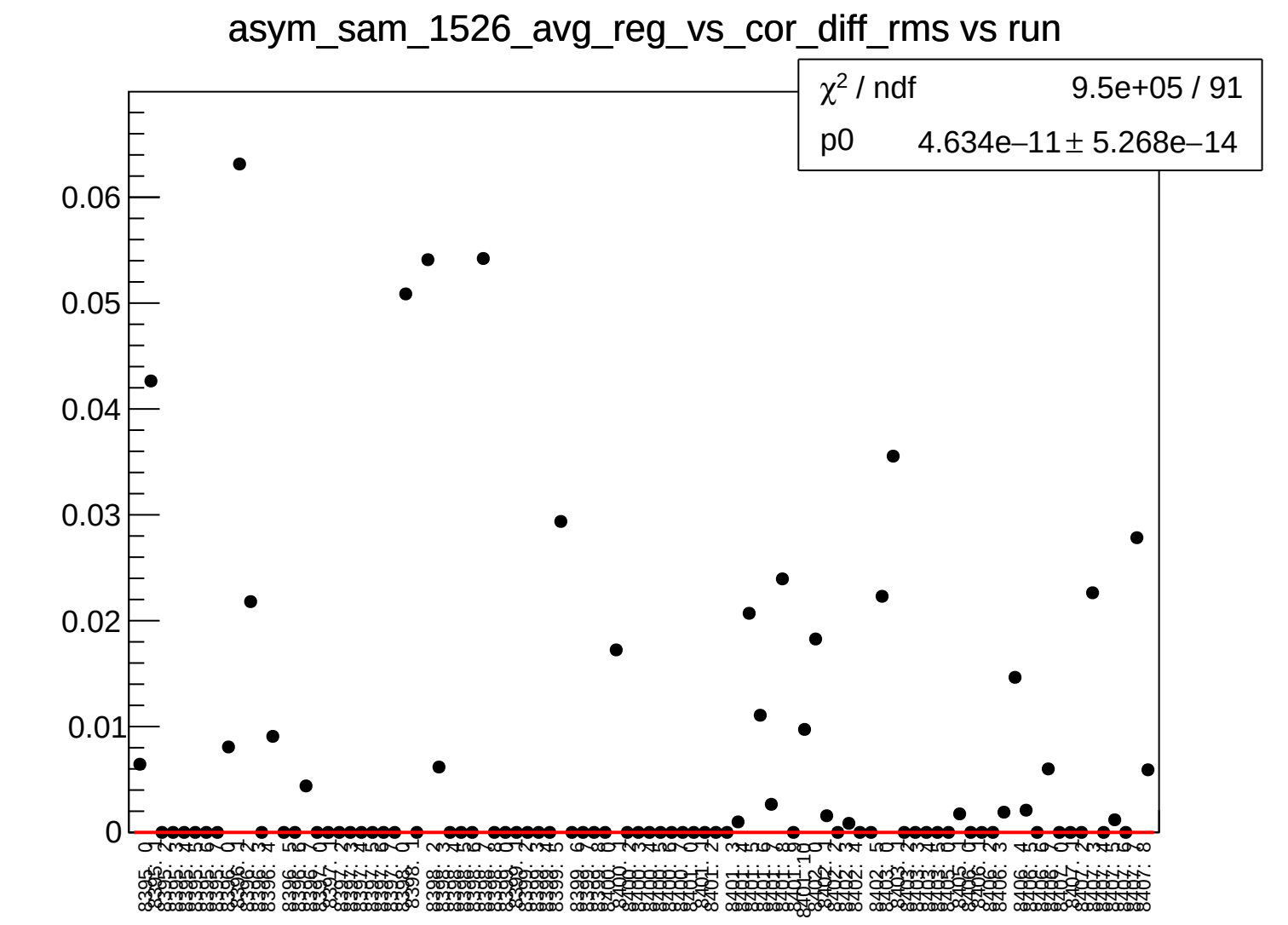

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 5589 / 91
p0 726.9 ± 0.5546
850
800
750
700
650

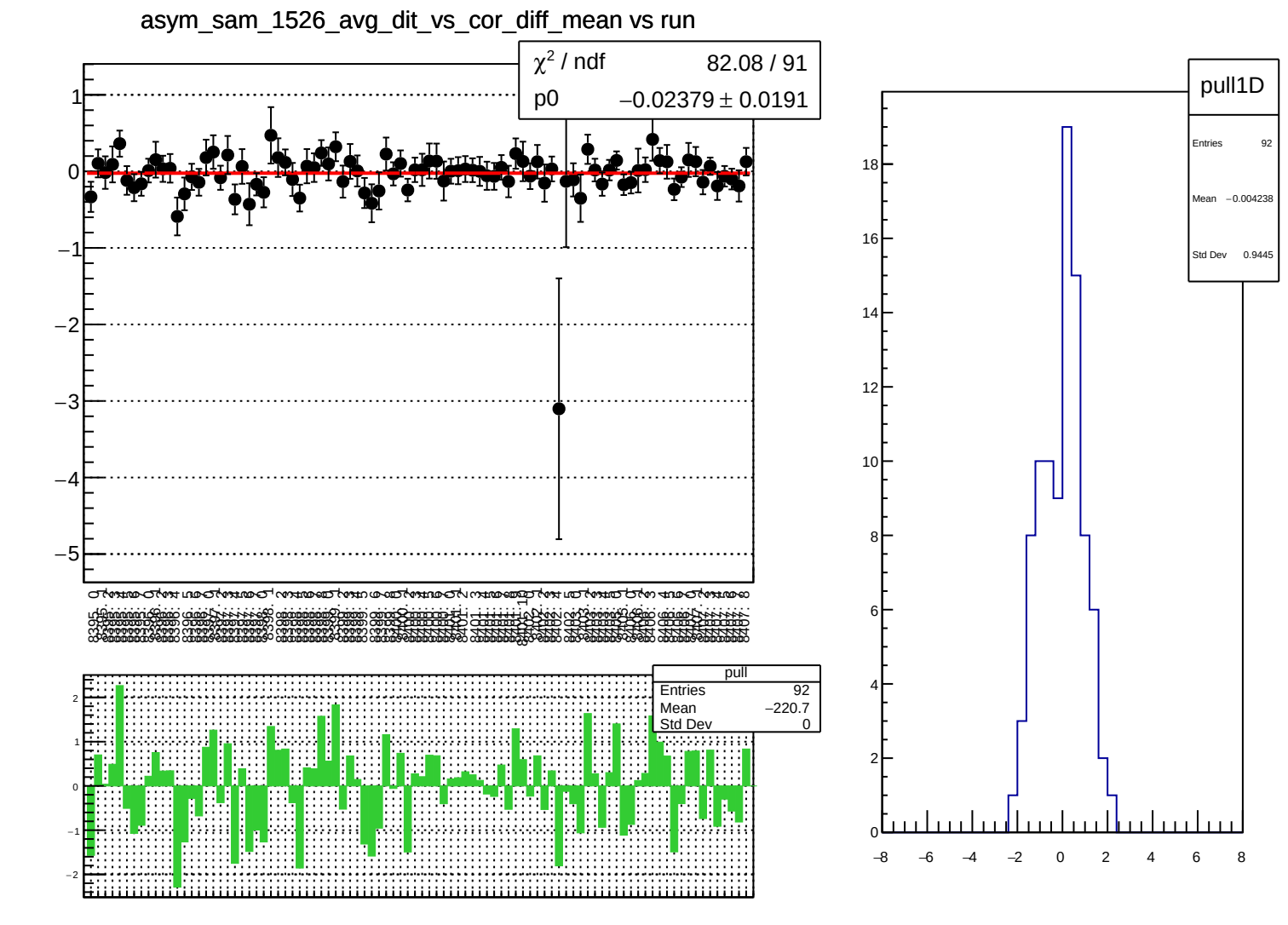

asym_sam_1526_avg_mean vs run
χ² / ndf 78.84 / 91
p0 424 ± 778.3
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean −1403
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

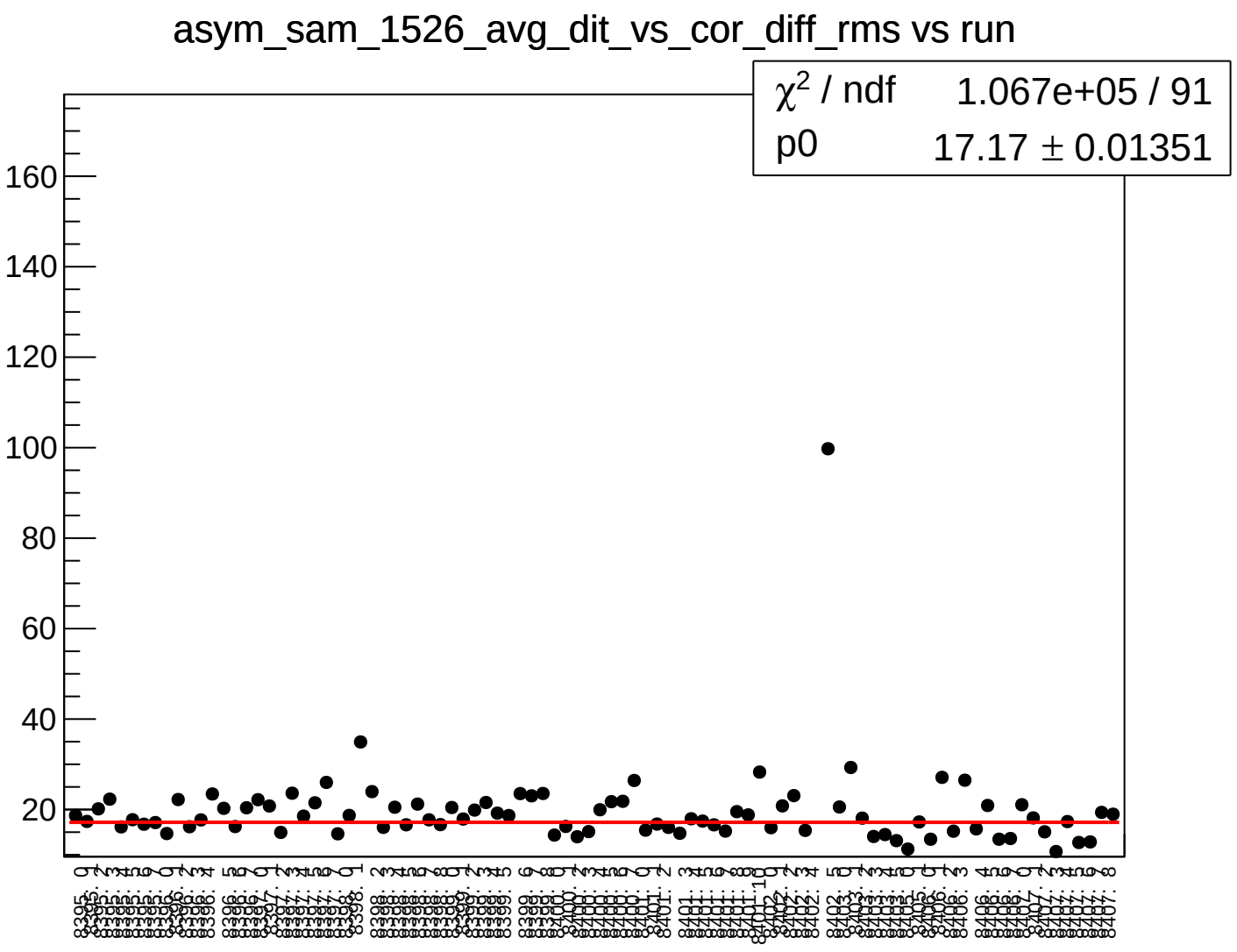

pull1D
Entries 92
Mean −0.0006256
Std Dev 0.9257
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

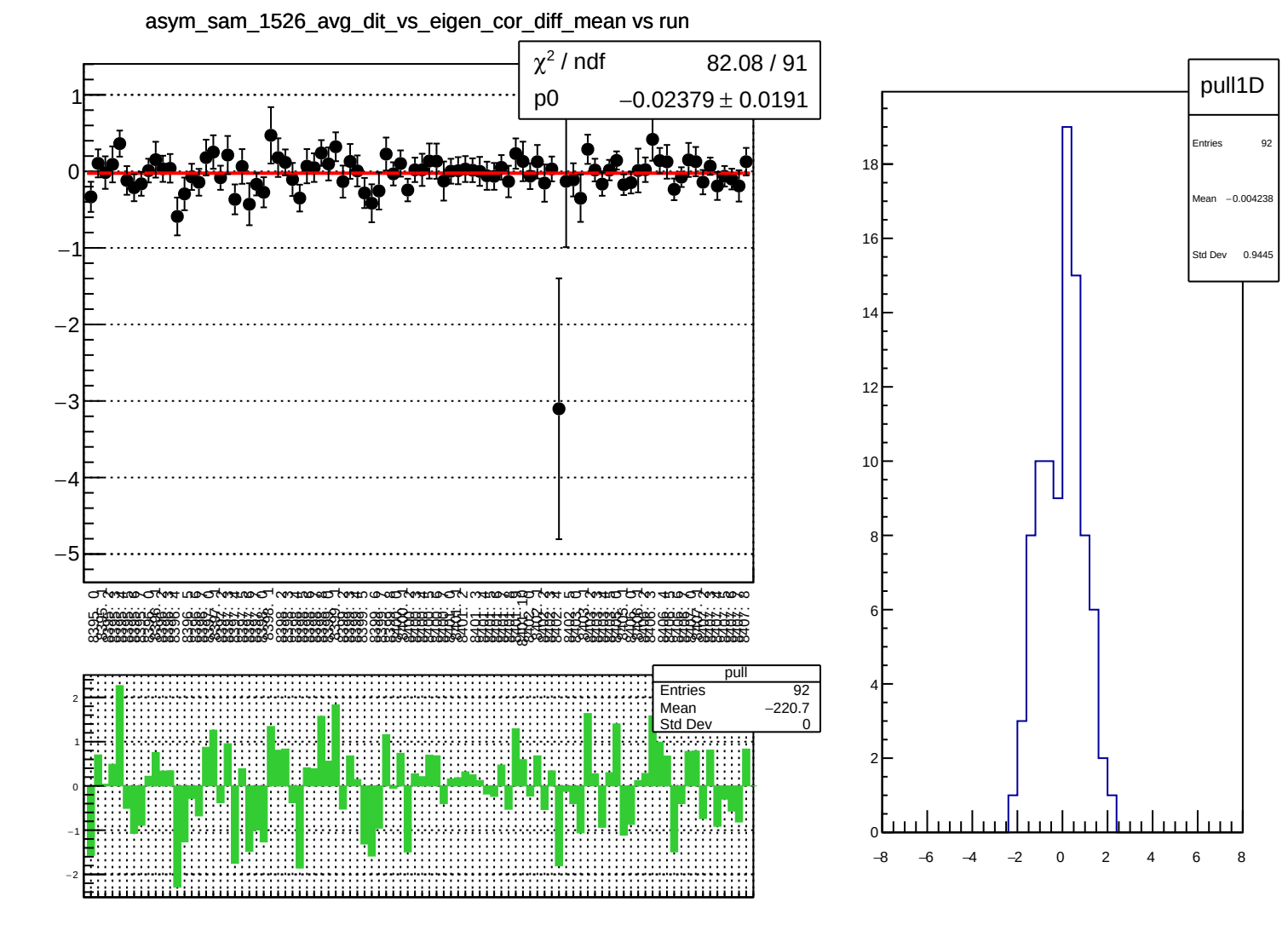

asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 6756 / 91
p0 721.1 ± 0.5503
900
850
800
750
700
650

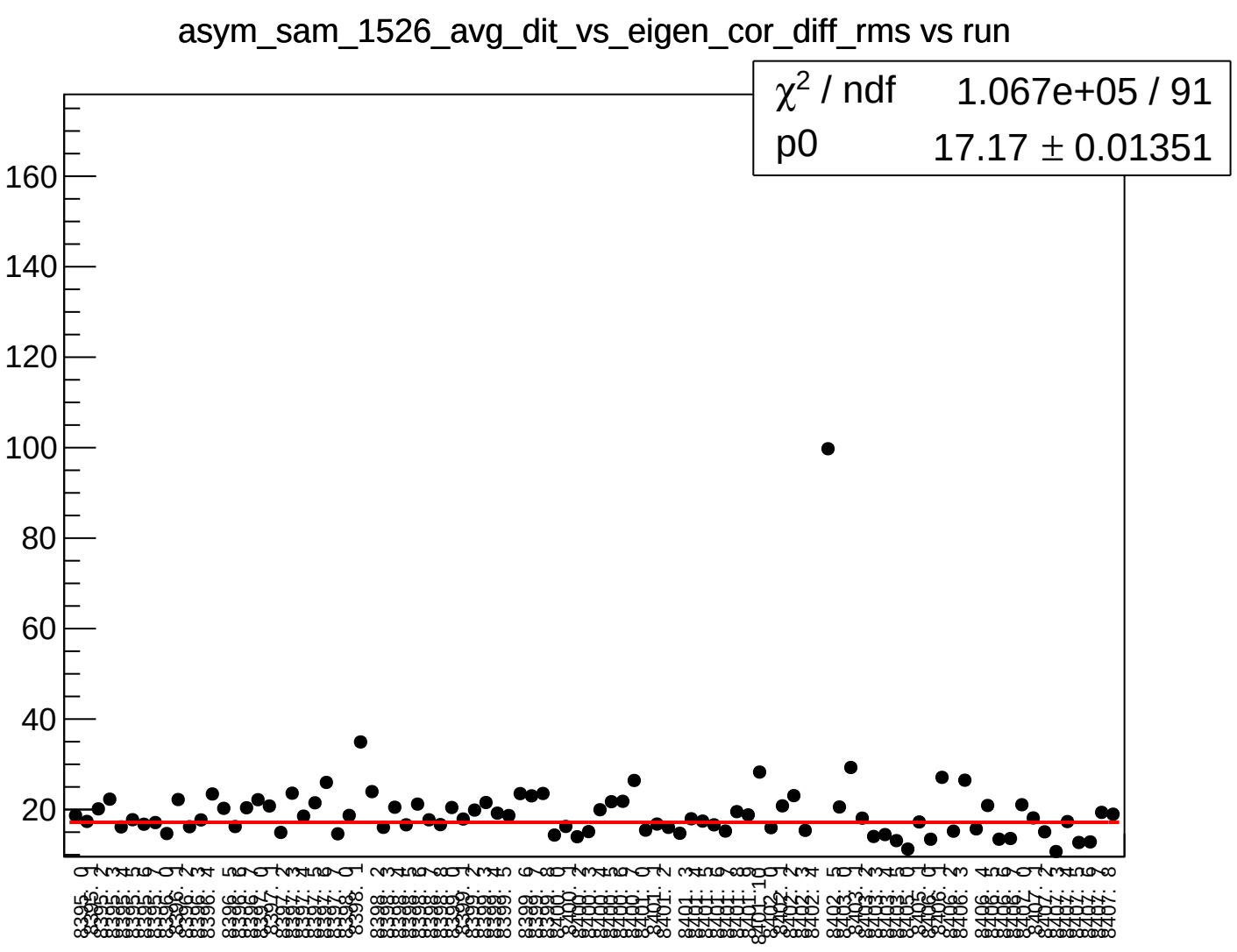

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.71 / 91
p0 4.9e−14 ± 7.451e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 645
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.001683
Std Dev 0.9308
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

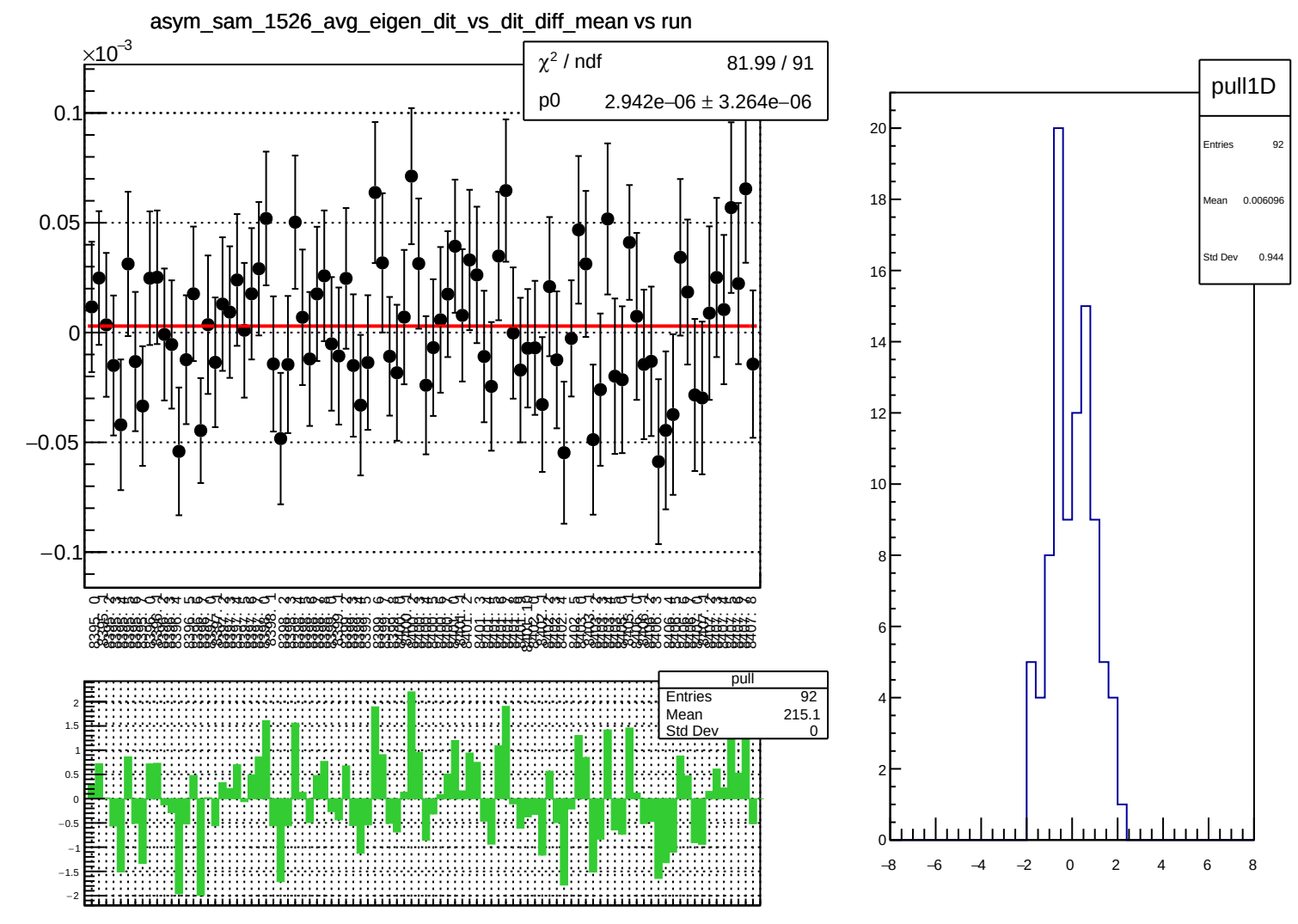

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.5e+05 / 91
p0 4.634e−11 ± 5.268e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

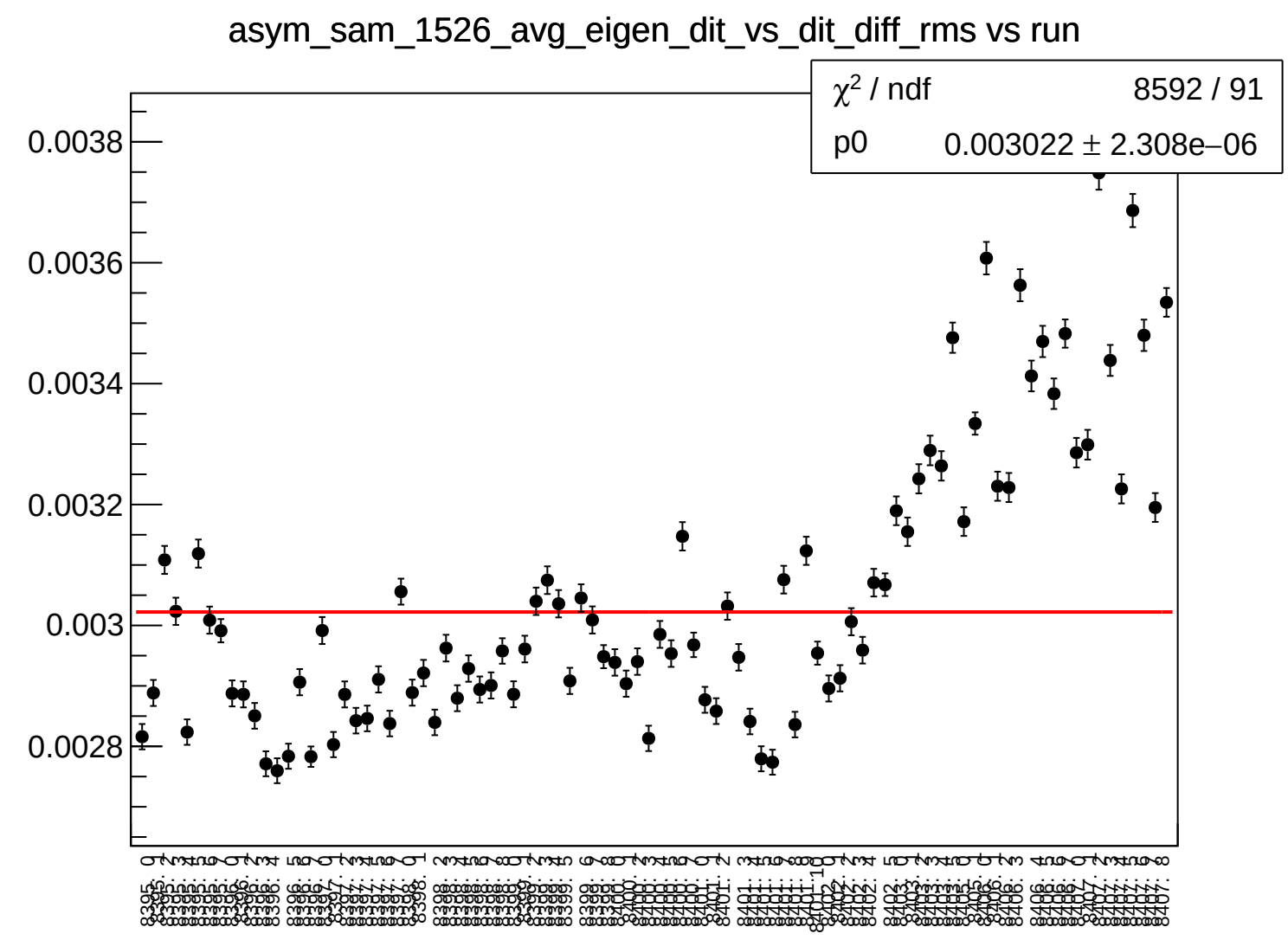

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.08 / 91
p0 −0.02379 ± 0.0191
pull
Entries 92
Mean −220.7
Std Dev 0
pull1D
Entries 92
Mean −0.004238
Std Dev 0.9445

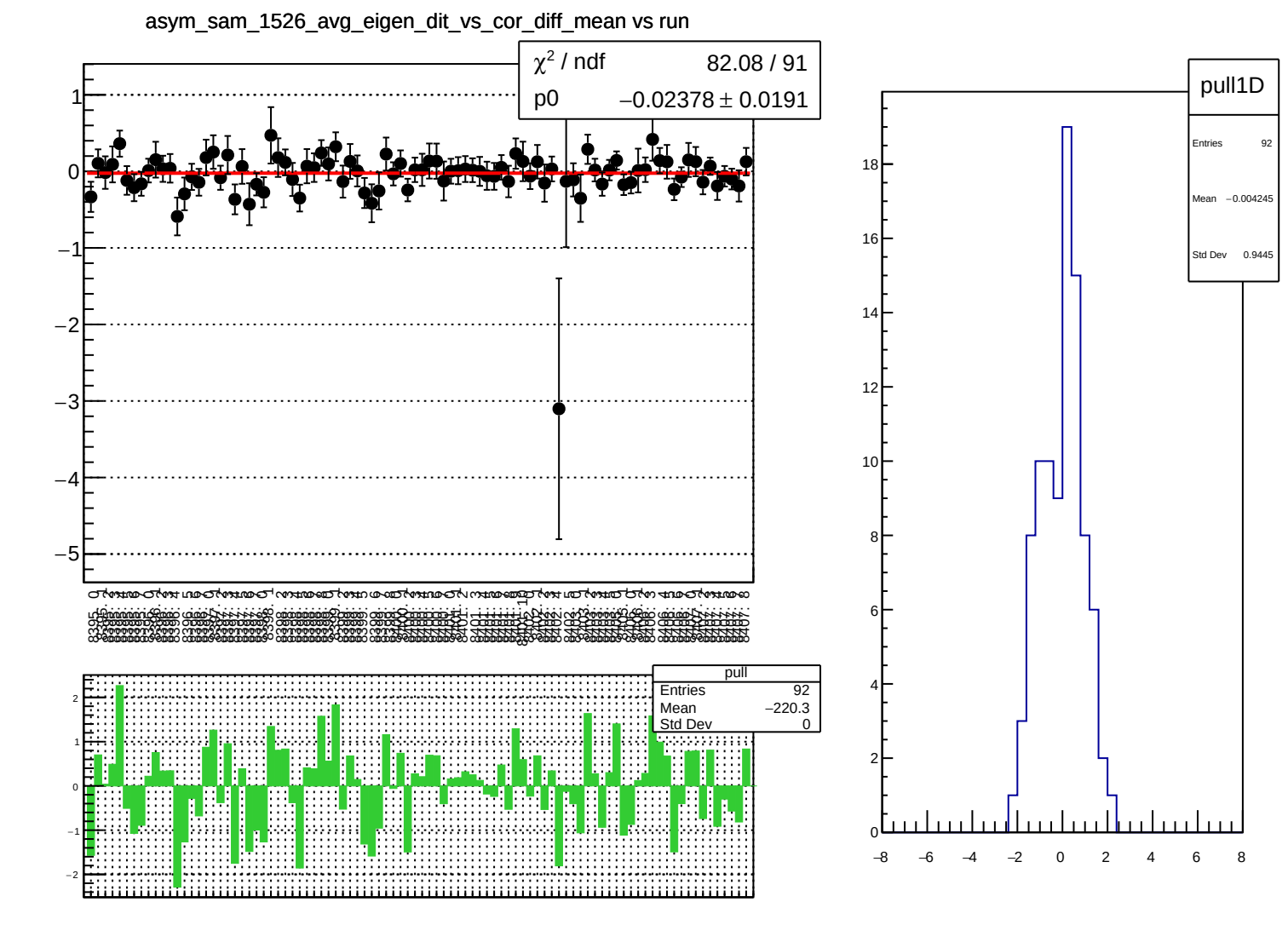

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 91
p0 17.17 ± 0.01351
160
140
120
100
80
60
40
20

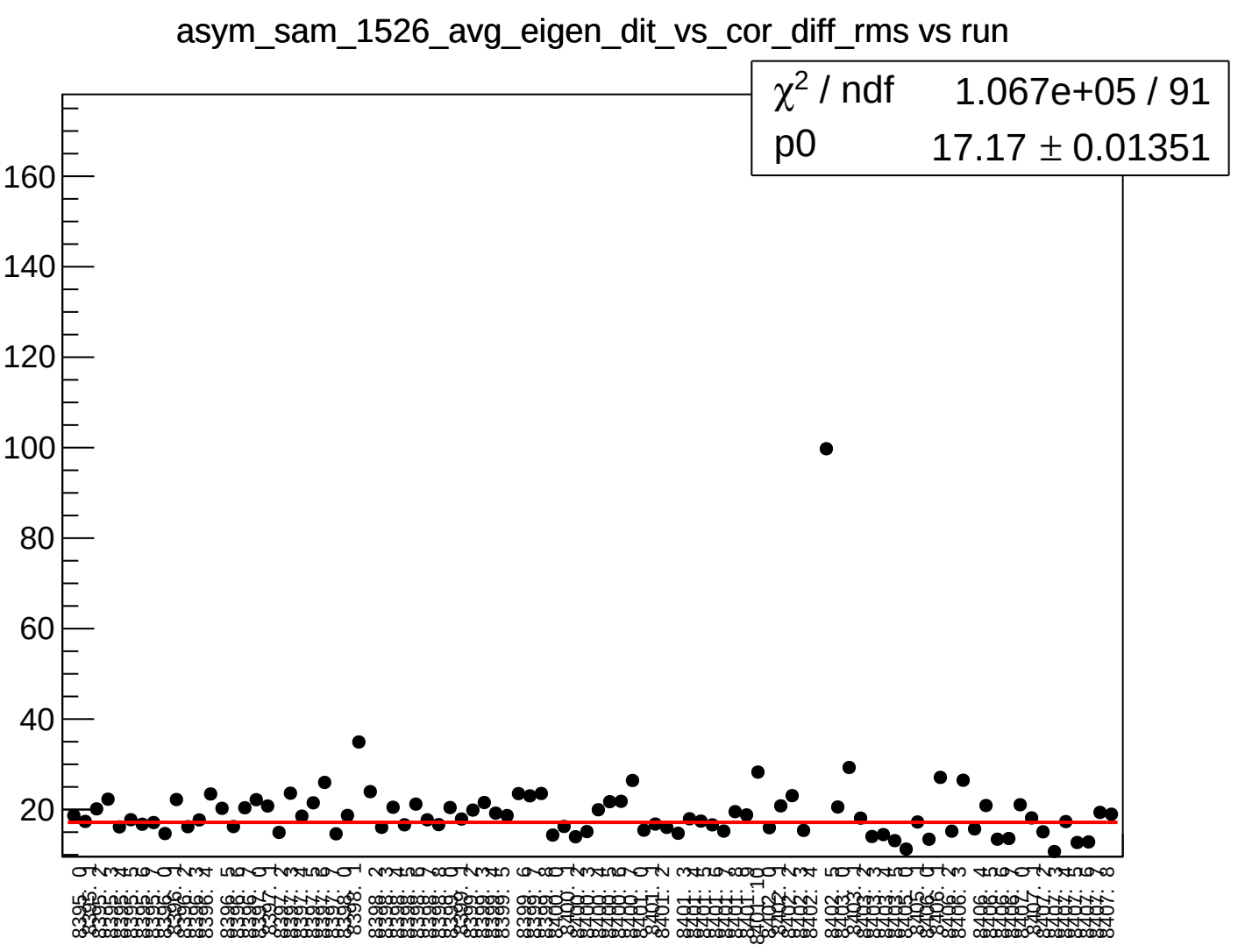

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.08 / 91
p0 −0.02379 ± 0.0191
pull
Entries 92
Mean −220.7
Std Dev 0
pull1D
Entries 92
Mean −0.004238
Std Dev 0.9445

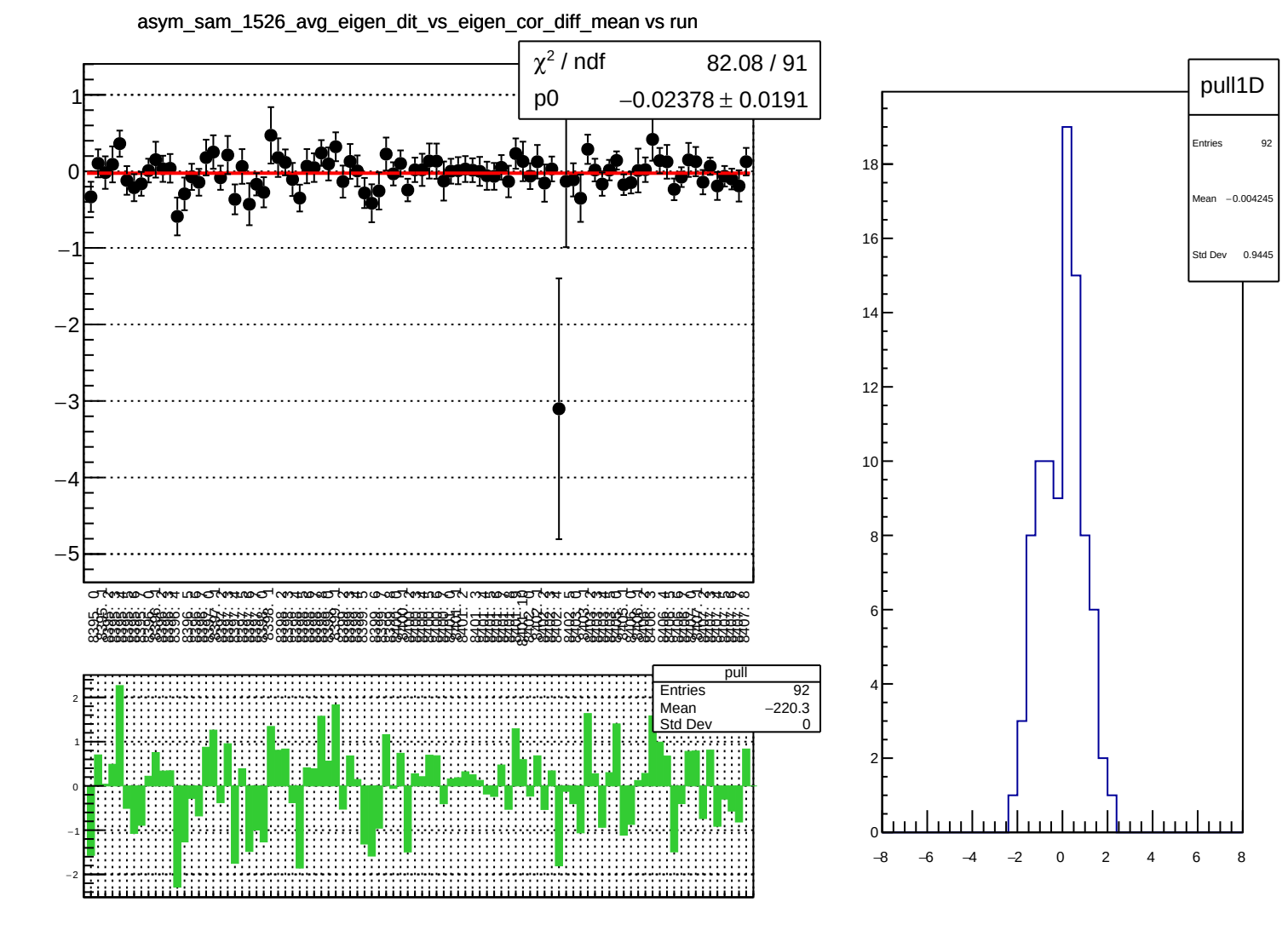

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 91
p0 17.17 ± 0.01351
160
140
120
100
80
60
40
20

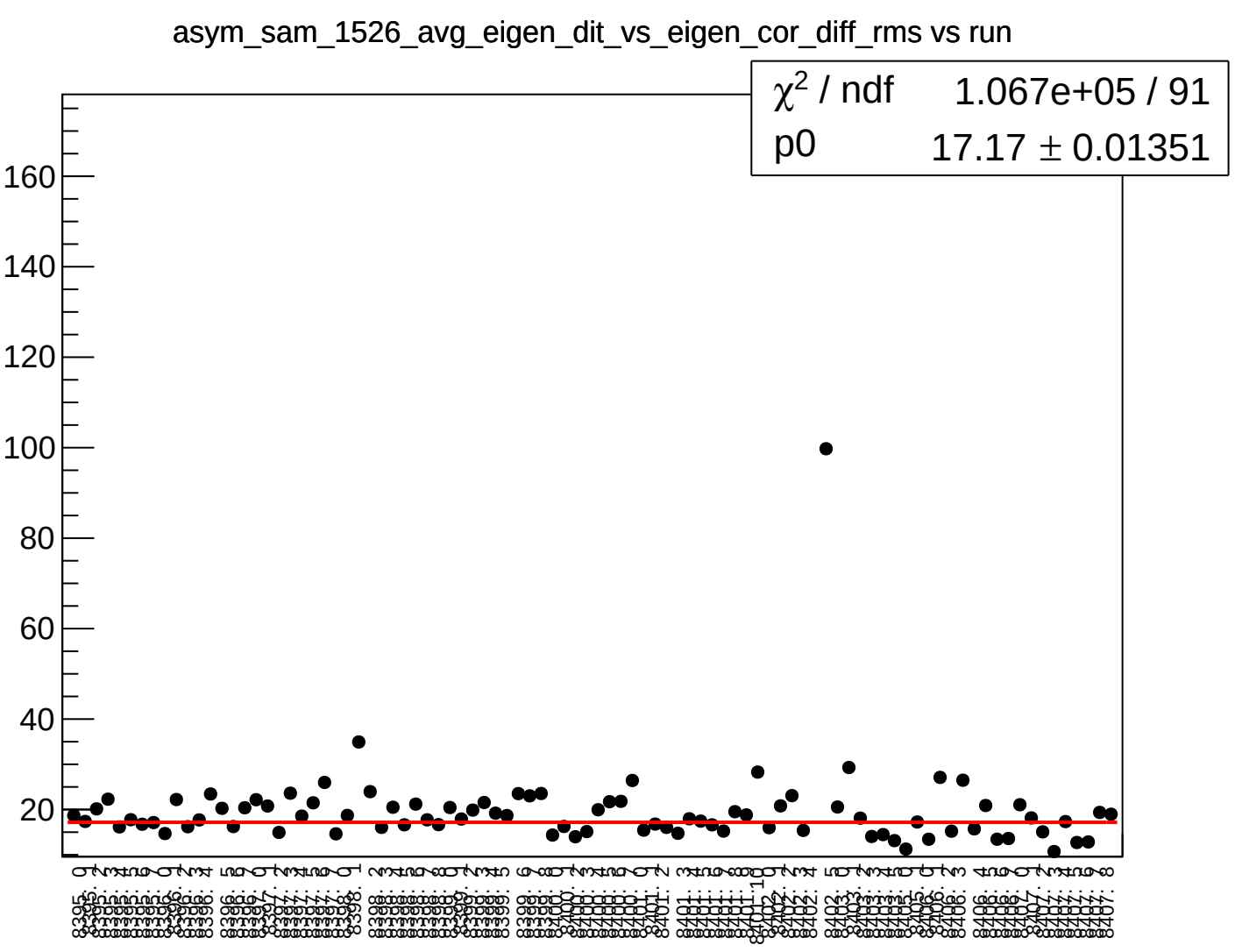

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.99 / 91
p0 2.942e−06 ± 3.264e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 92
Mean 215.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.006096
Std Dev 0.944
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

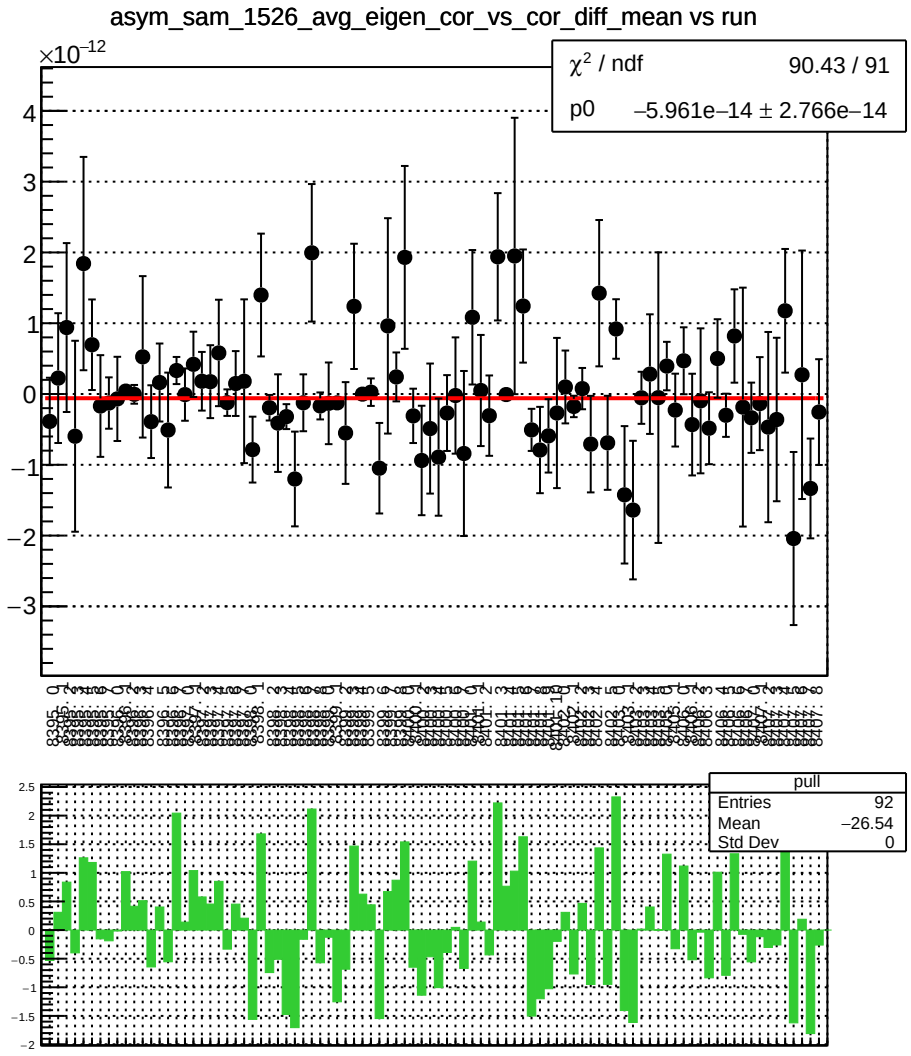

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8592 / 91
p0 0.003022 ± 2.308e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

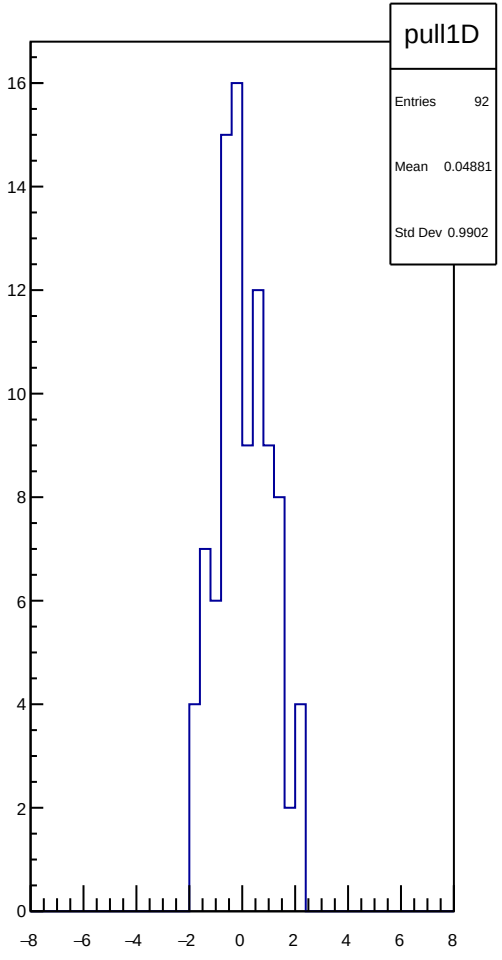

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.08 / 91
p0 −0.02378 ± 0.0191
pull
Entries 92
Mean −220.3
Std Dev 0
pull1D
Entries 92
Mean −0.004245
Std Dev 0.9445

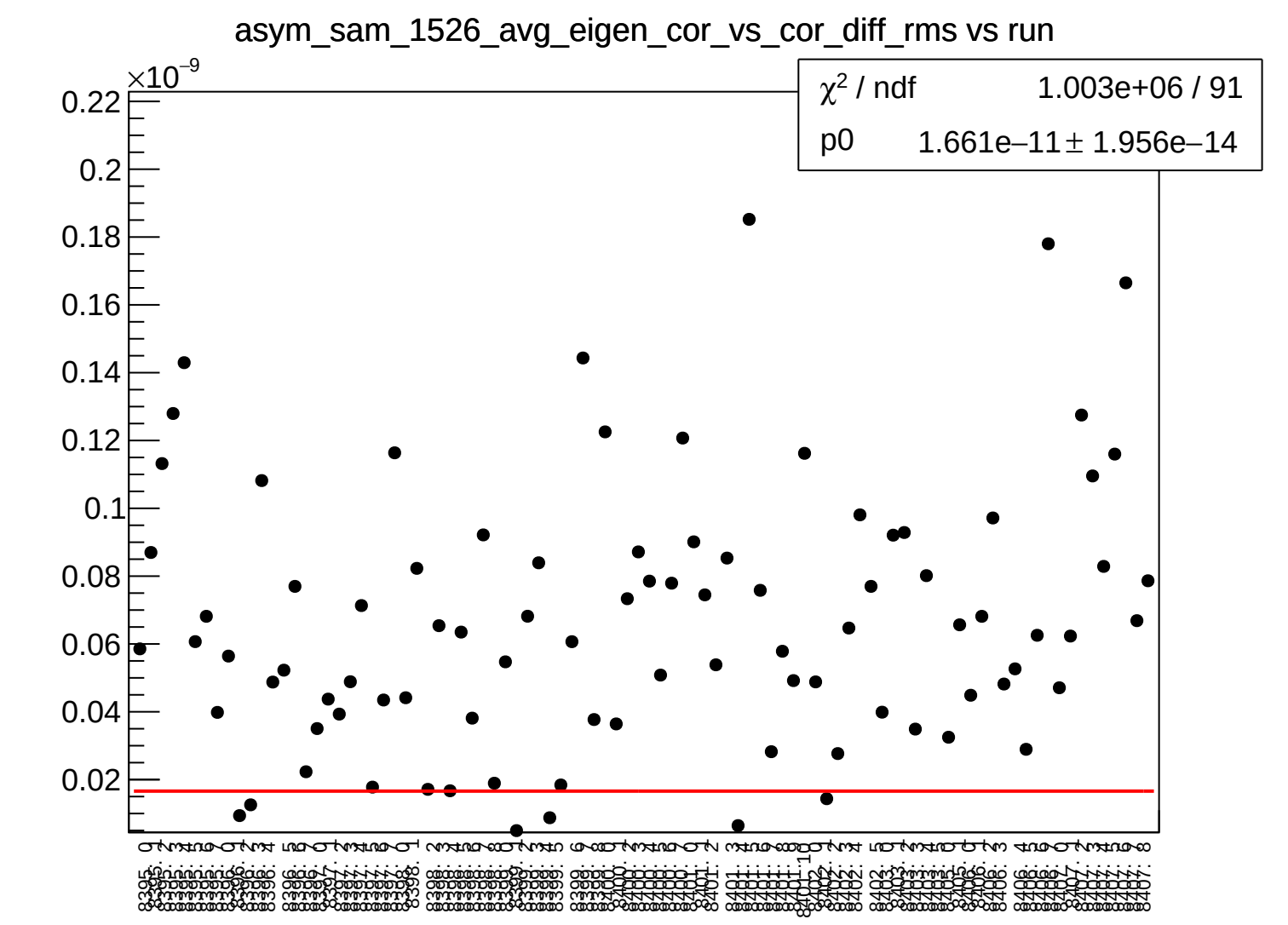

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 91
p0 17.17 ± 0.01351
160
140
120
100
80
60
40
20

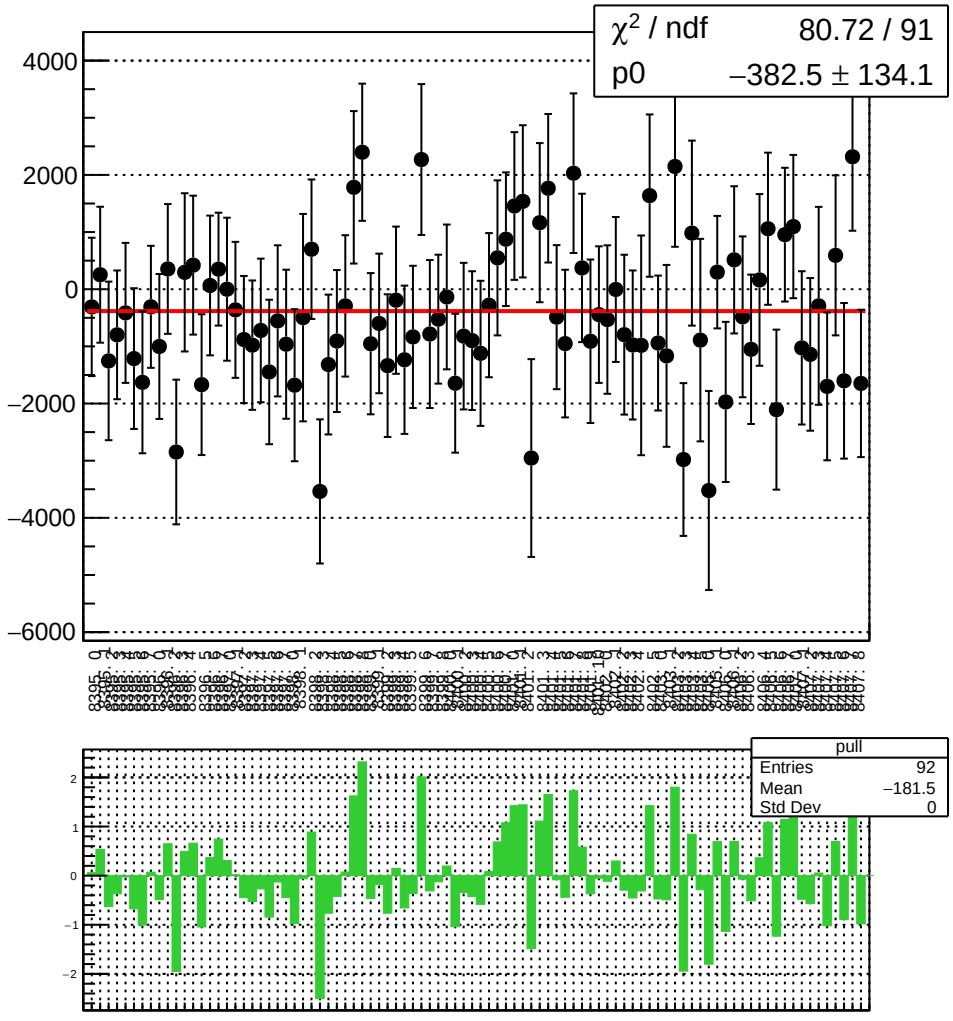

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.08 / 91
p0 −0.02378 ± 0.0191
pull
Entries 92
Mean −220.3
Std Dev 0
pull1D
Entries 92
Mean −0.004245
Std Dev 0.9445

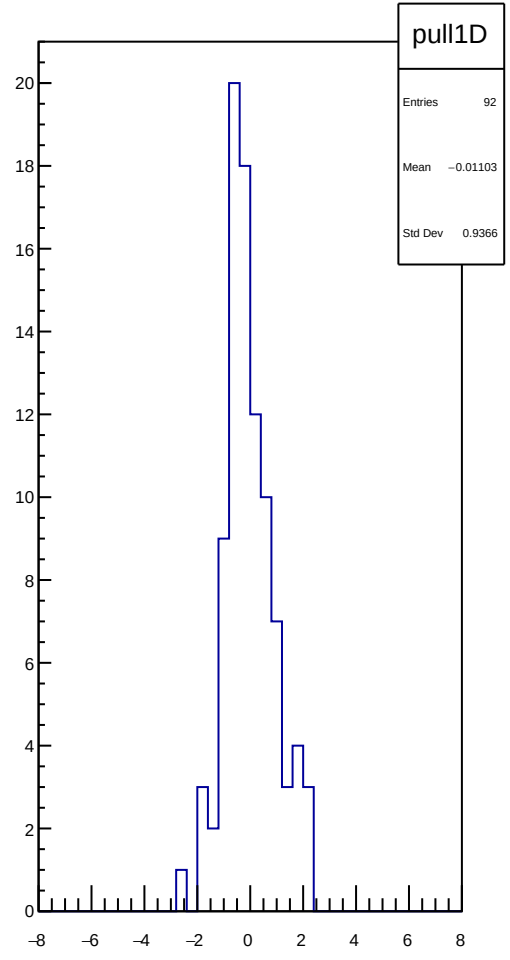

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 91
p0 17.17 ± 0.01351
160
140
120
100
80
60
40
20

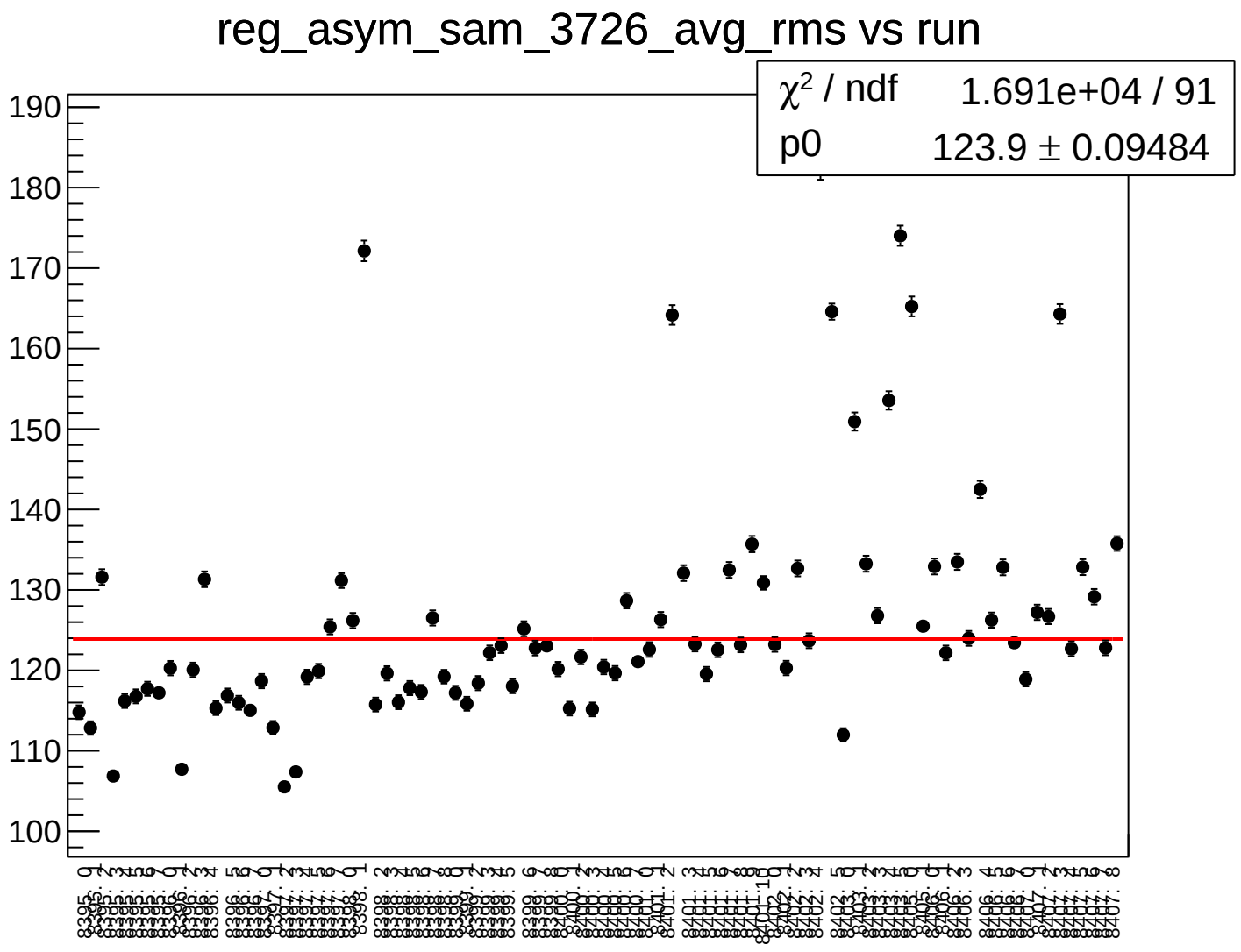

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.43 / 91
p0 −5.961e−14 ± 2.766e−14
pull
Entries 92
Mean −26.54
Std Dev 0

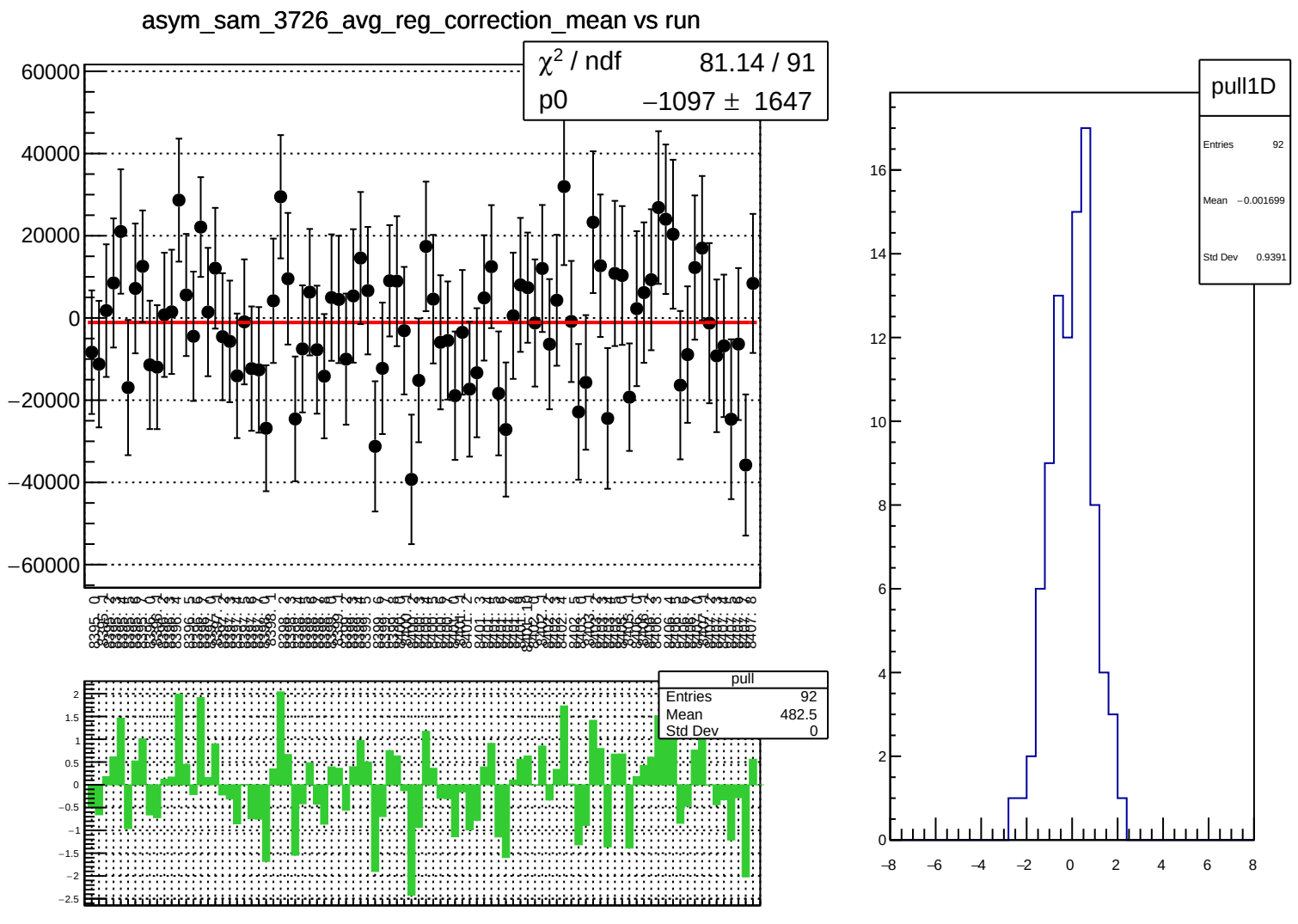

pull1D
Entries 92
Mean 0.04881
Std Dev 0.9902

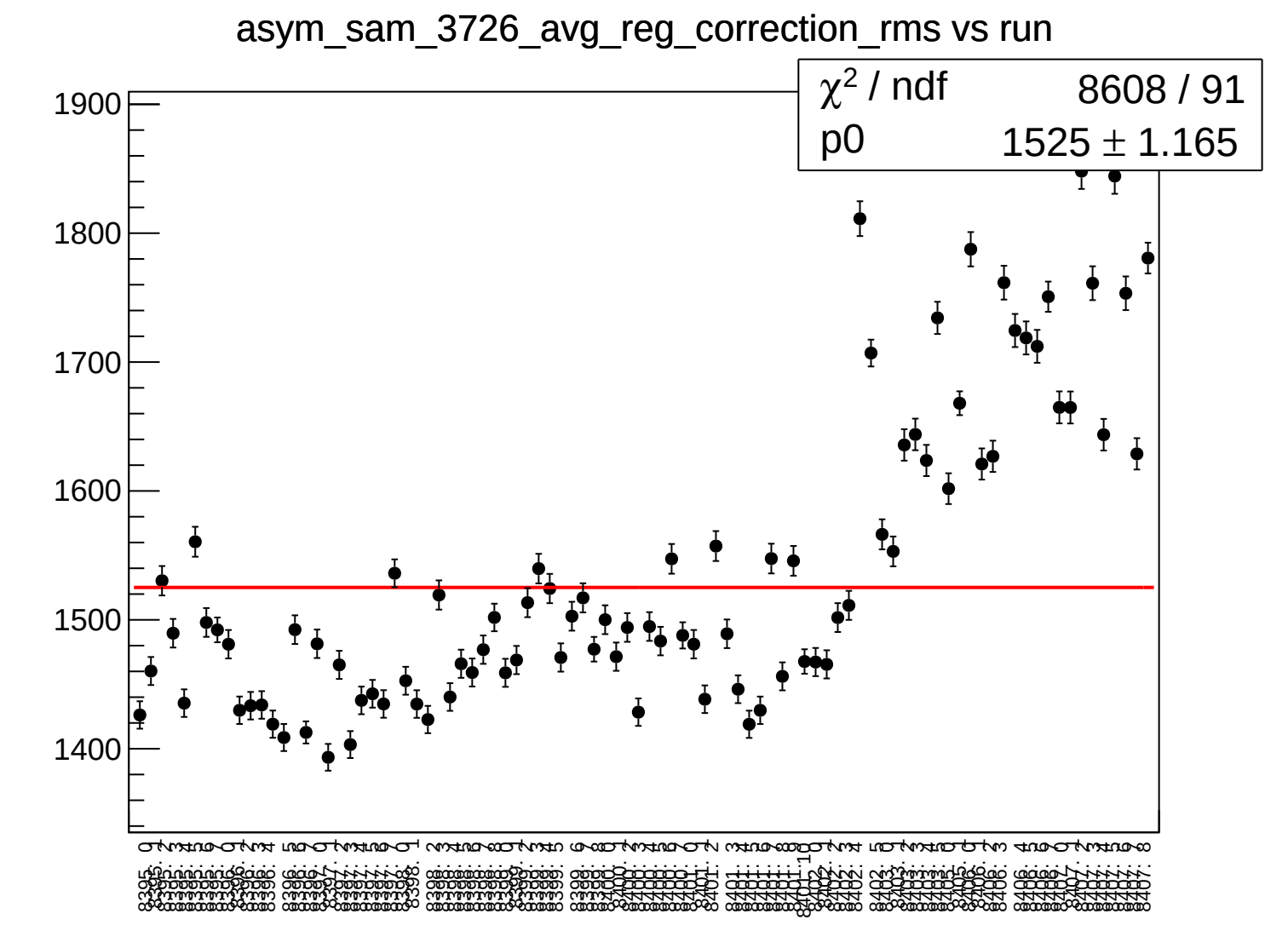

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.003e+06 / 91
p0 1.661e−11 ± 1.956e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

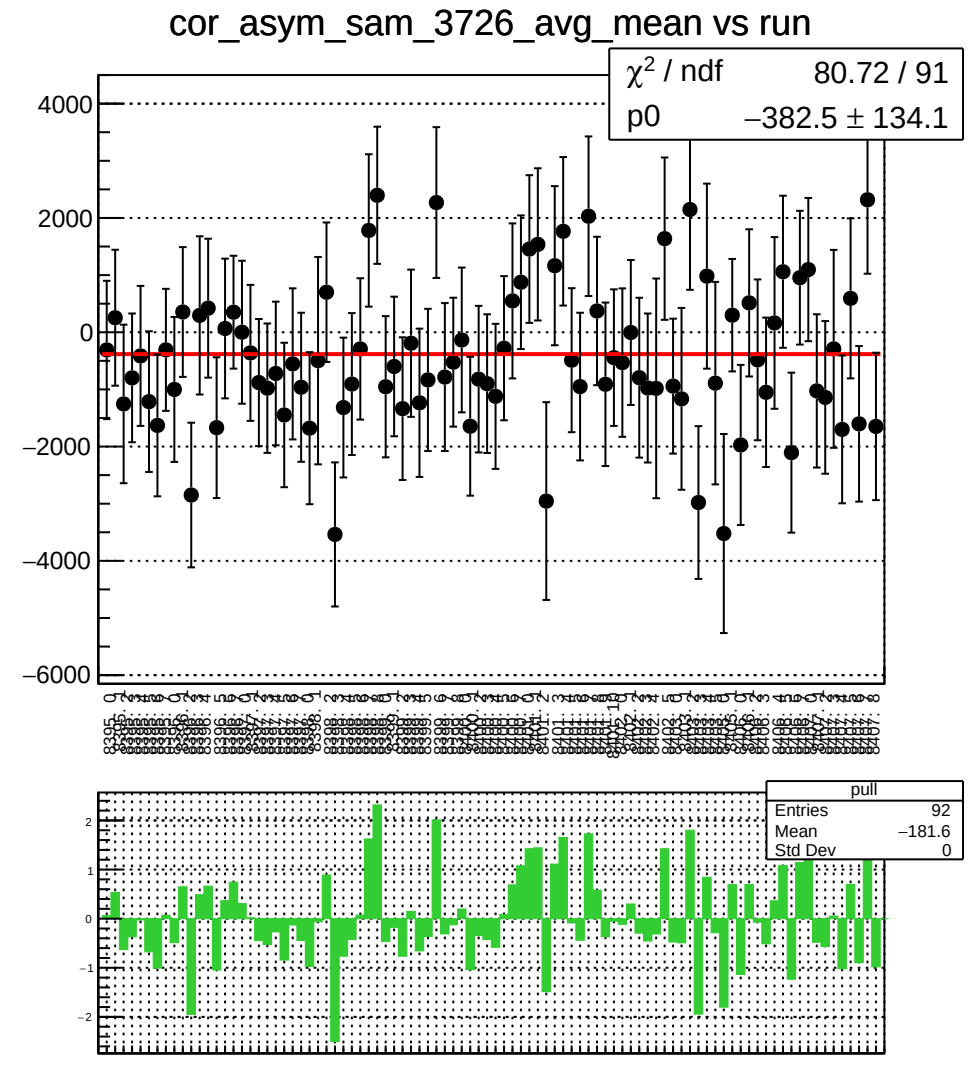

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 80.72 / 91
p0 −382.5 ± 134.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −181.5
Std Dev 0
2
1
0
−1
−2

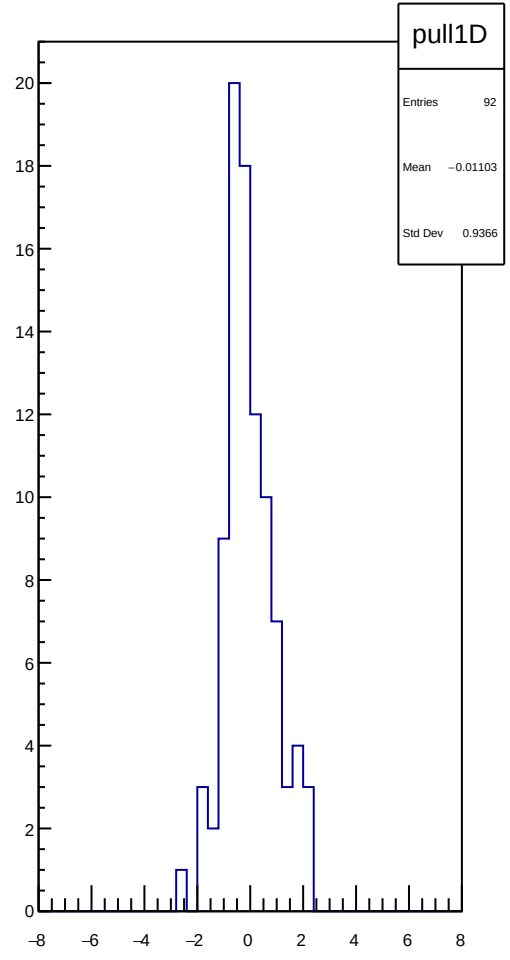

pull1D
Entries 92
Mean −0.01103
Std Dev 0.9366
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

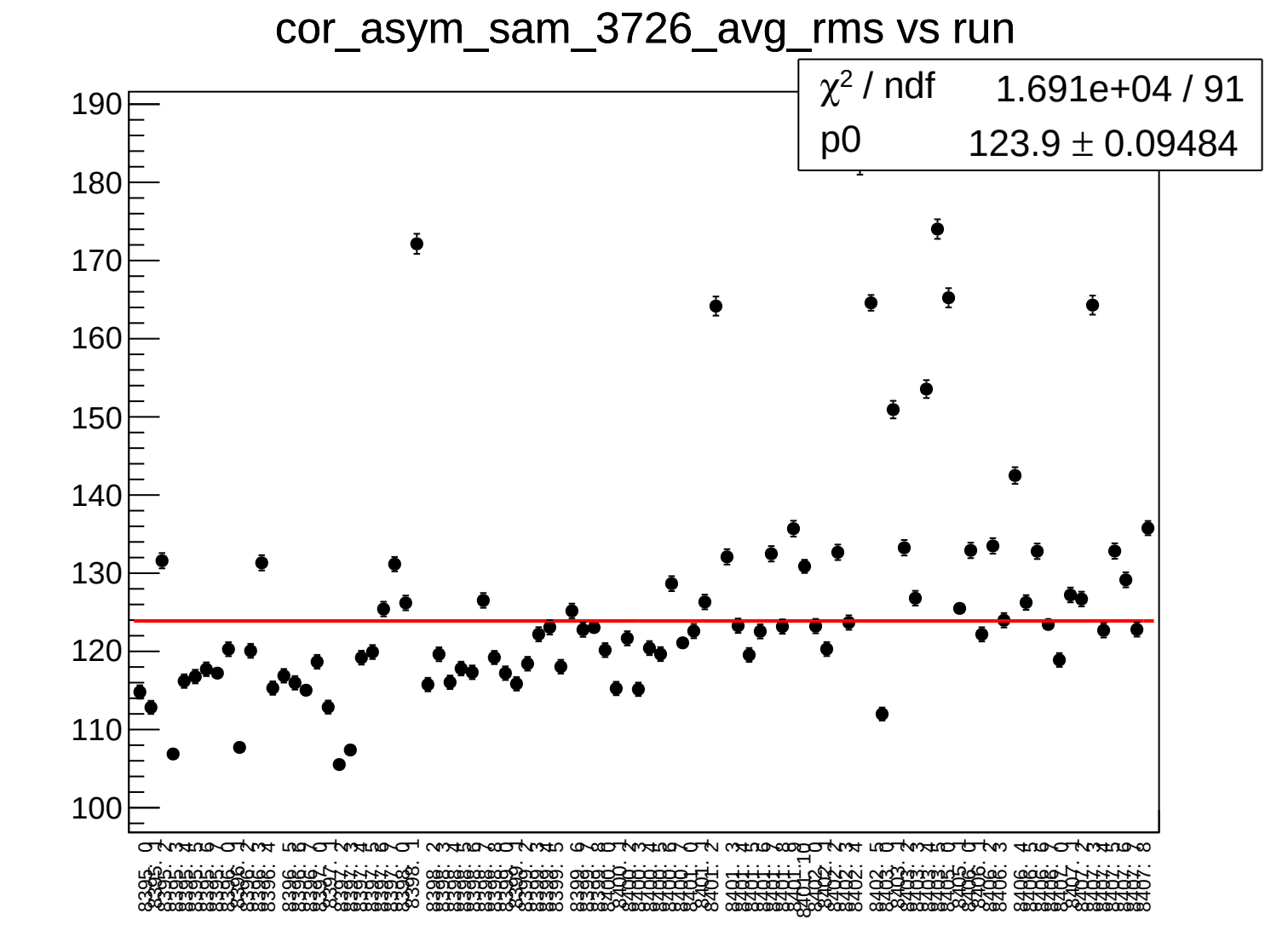

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.691e+04 / 91
p0 123.9 ± 0.09484
190
180
170
160
150
140
130
120
110
100

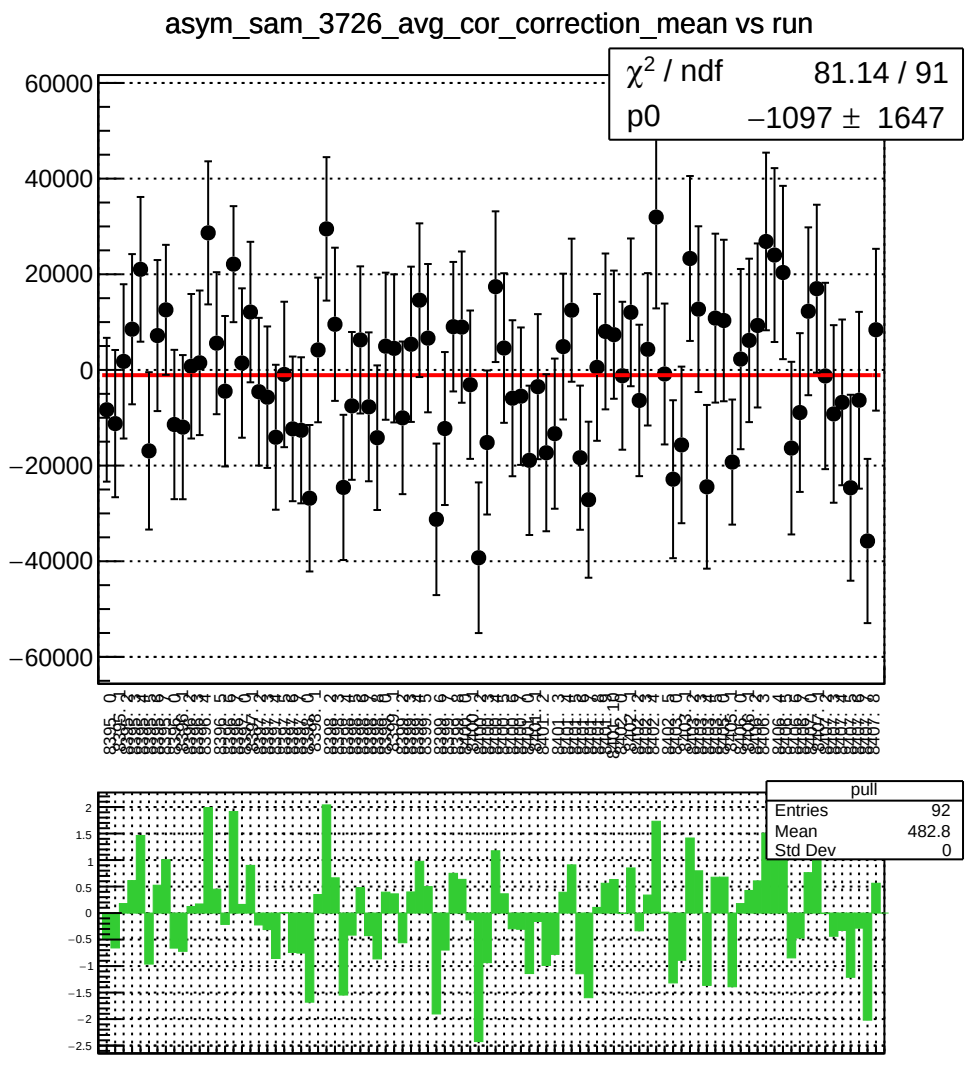

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 81.14 / 91
p0 −1097 ± 1647
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 482.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001699
Std Dev 0.9391
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

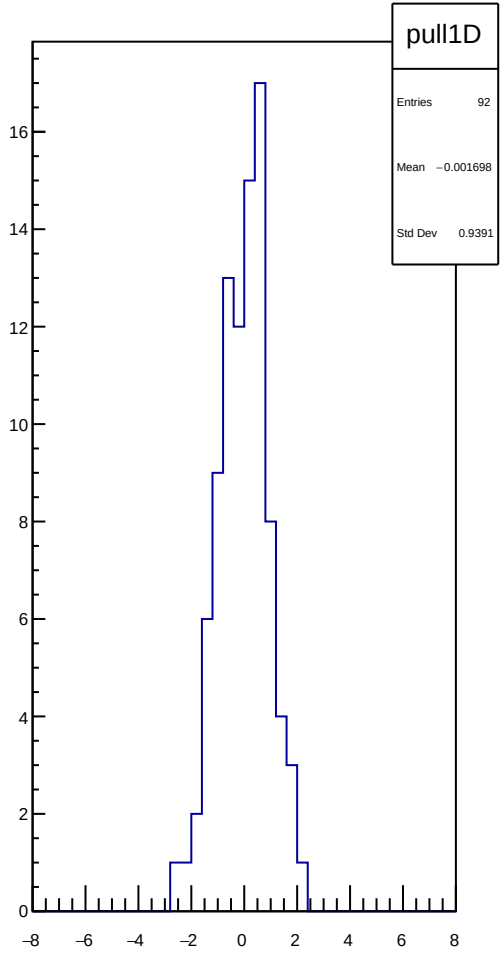

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 8608 / 91
p0 1525 ± 1.165
1900
1800
1700
1600
1500
1400

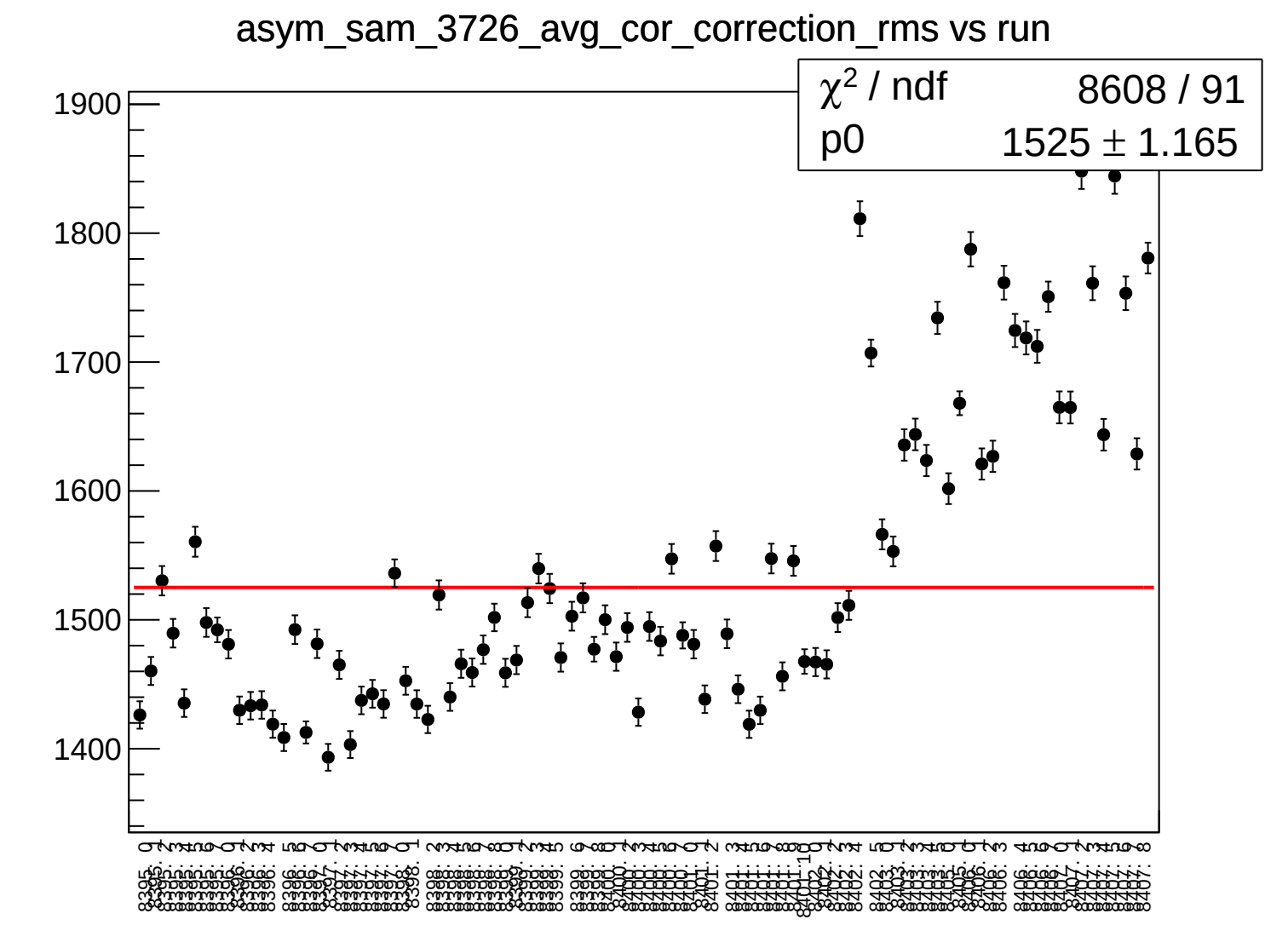

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 80.72 / 91
p0 −382.5 ± 134.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −181.6
Std Dev 0
2
1
0
−1
−2

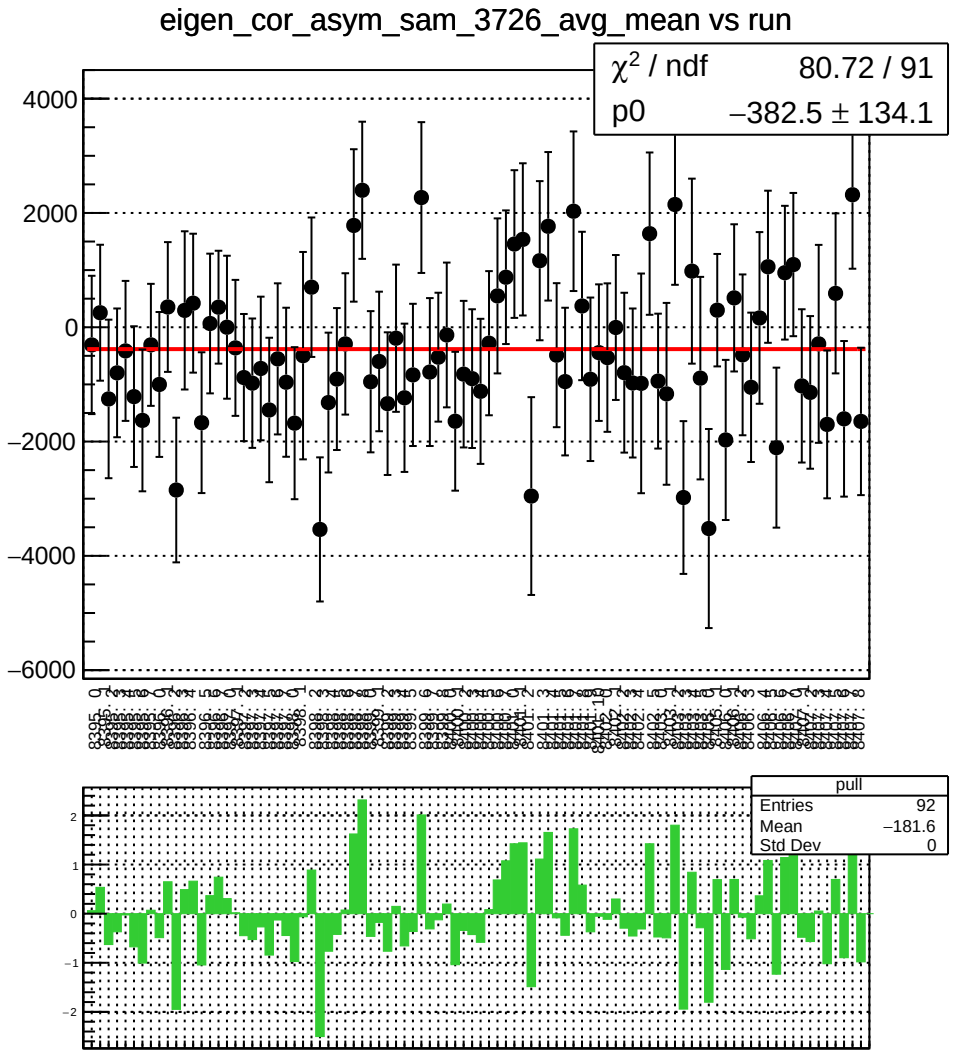

pull1D
Entries 92
Mean −0.01103
Std Dev 0.9366
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

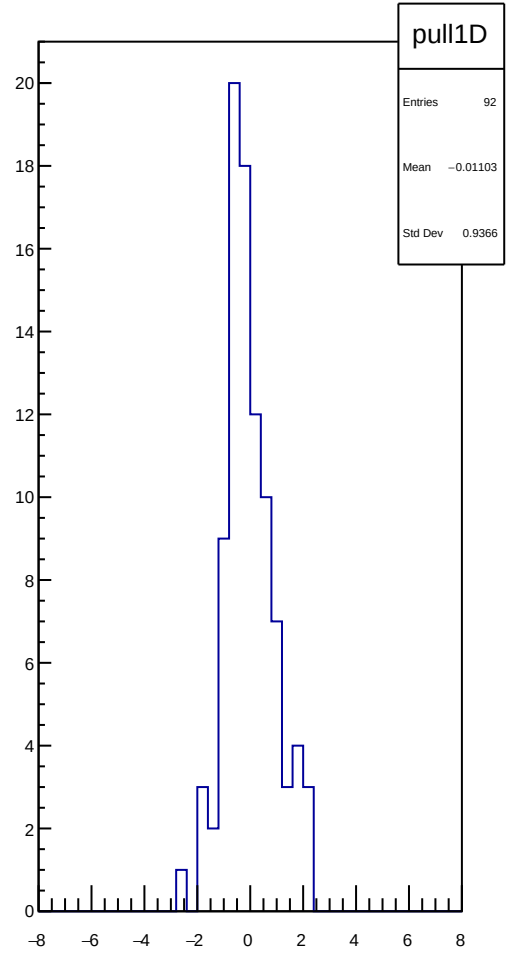

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.691e+04 / 91
p0 123.9 ± 0.09484
190
180
170
160
150
140
130
120
110
100

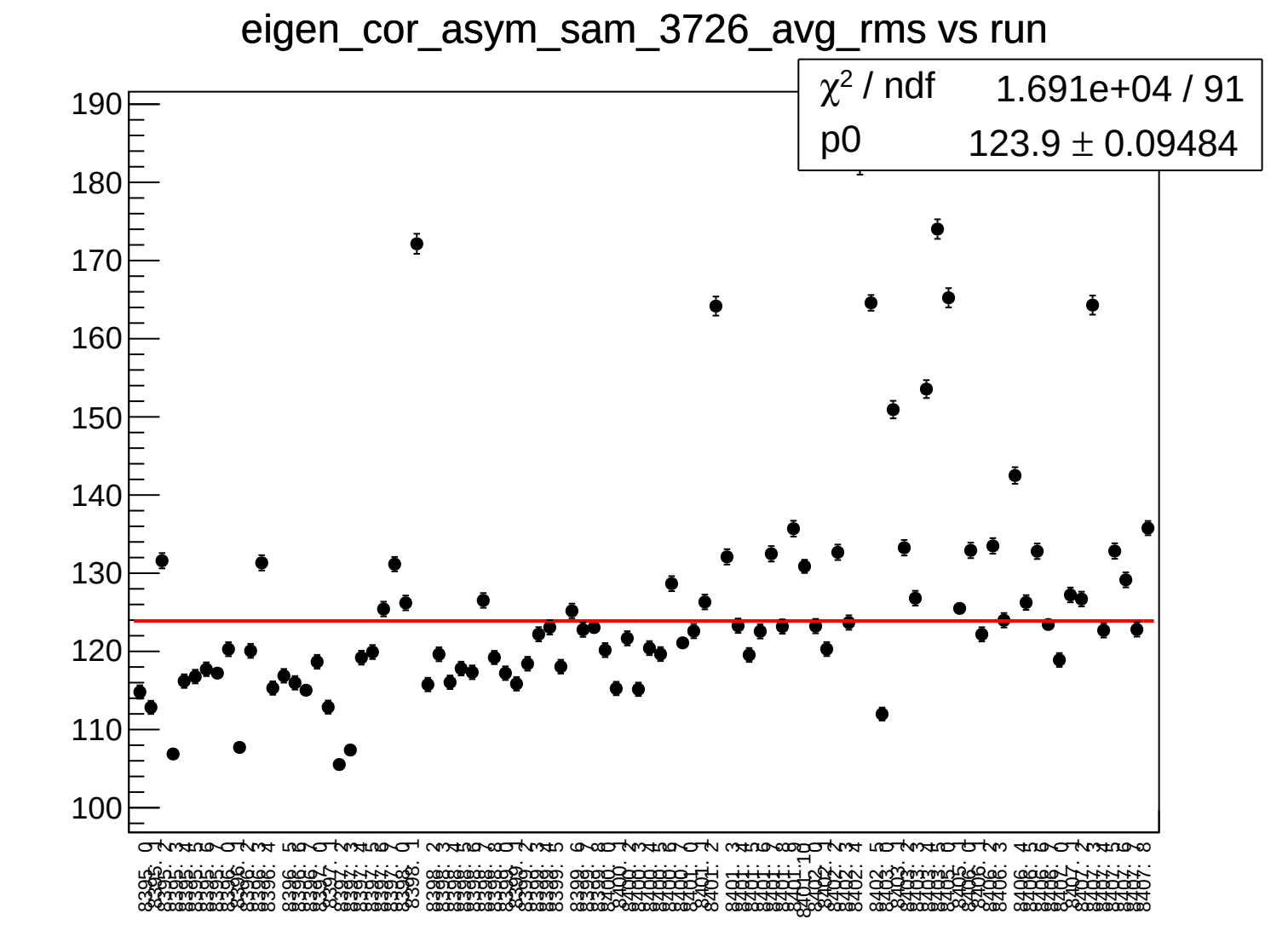

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 81.14 / 91
p0 −1097 ± 1647
pull
Entries 92
Mean 482.8
Std Dev 0

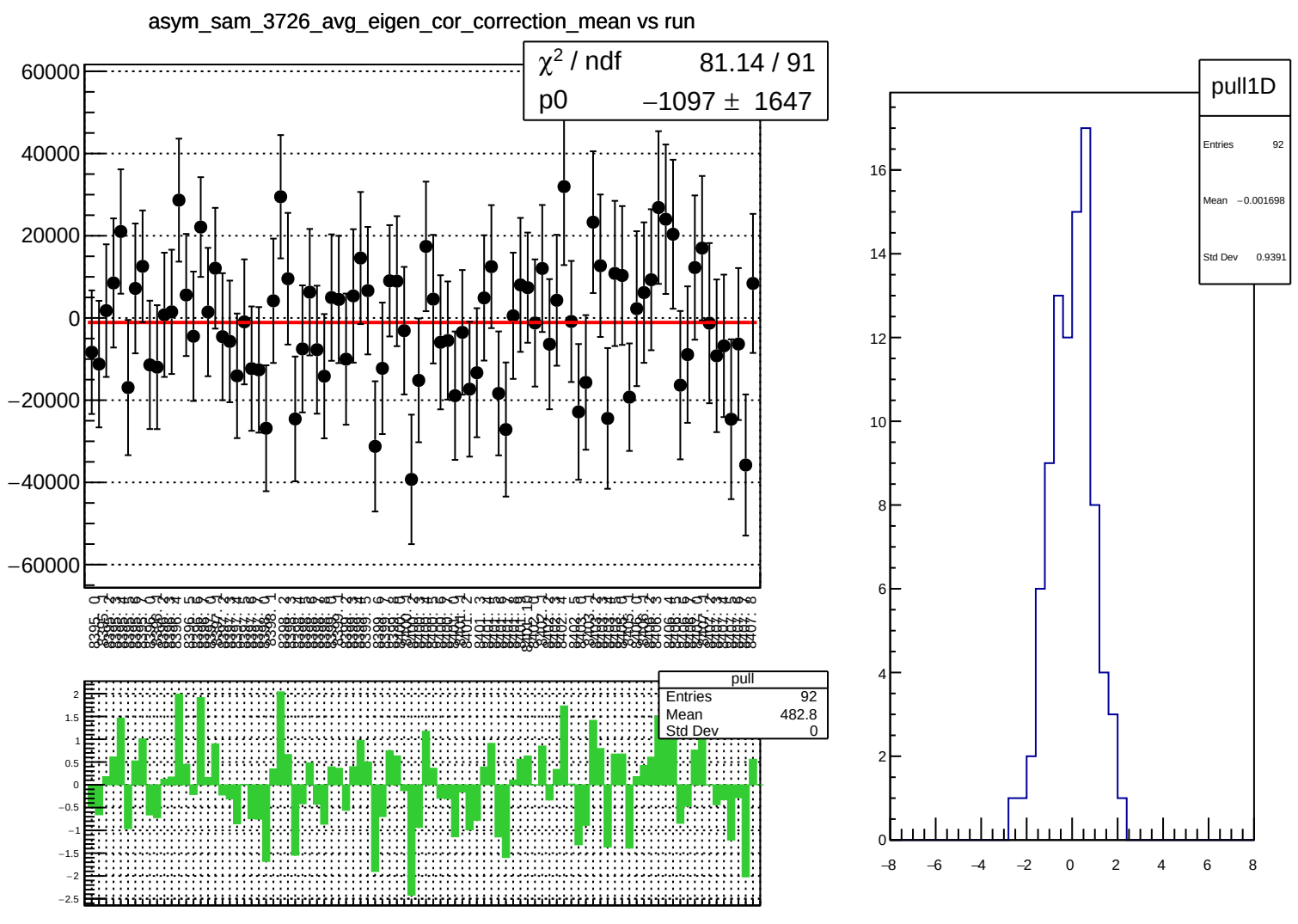

pull1D
Entries 92
Mean −0.001698
Std Dev 0.9391

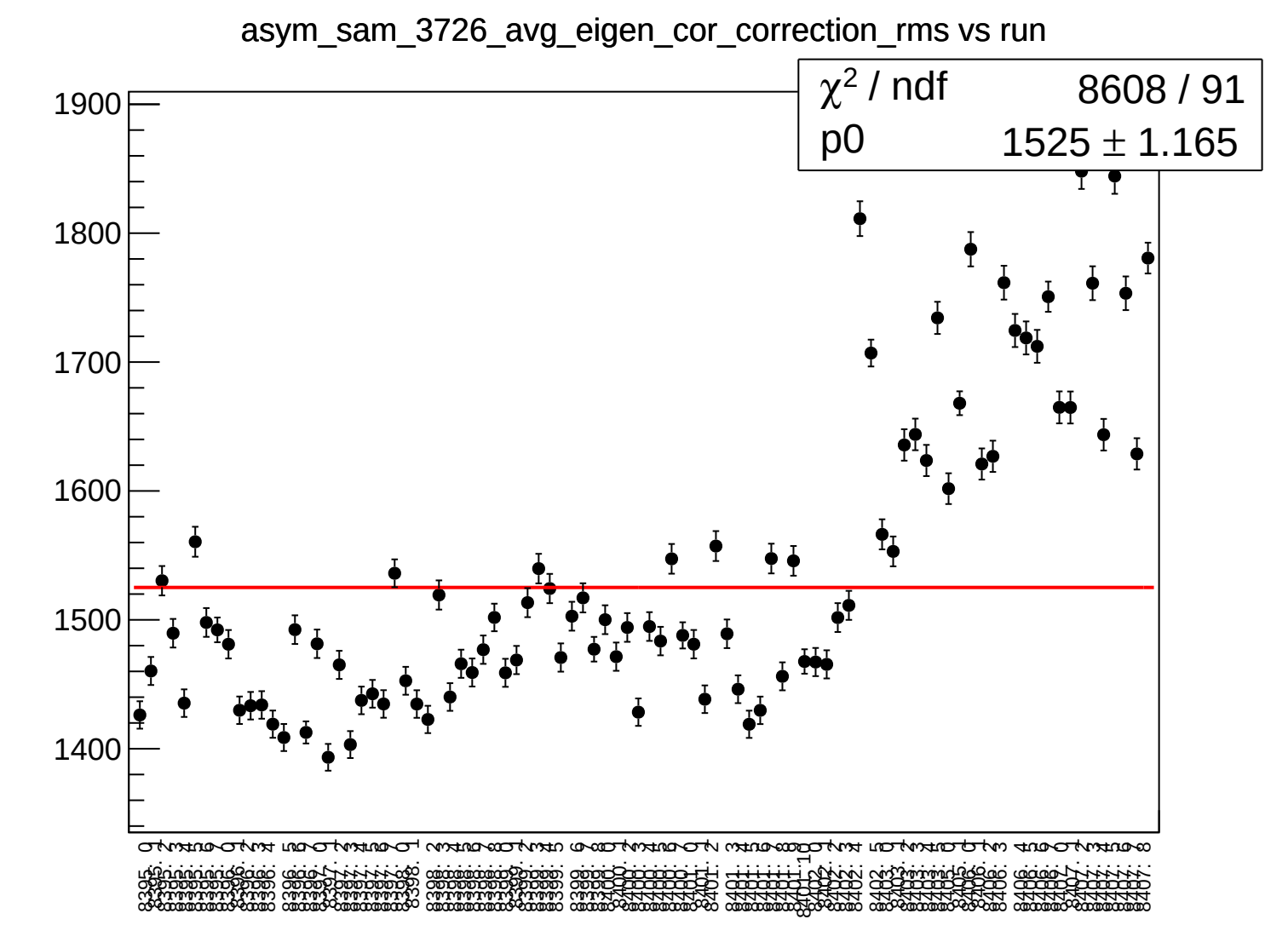

asym_sam_3726_avg_cor_correction_rms vs run
$\chi^2$ / ndf 8608 / 91
p0 1525 ± 1.165
1900
1800
1700
1600
1500
1400

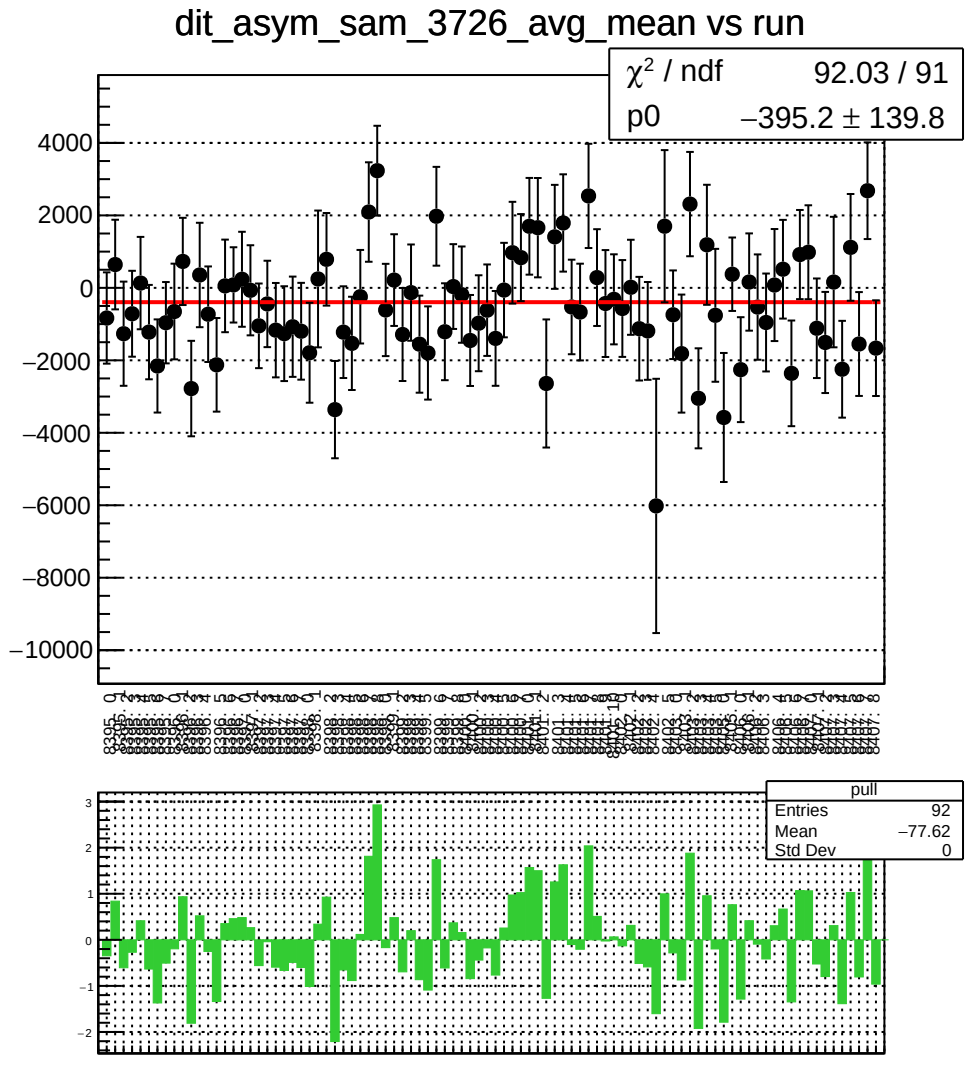

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 80.72 / 91
p0 −382.5 ± 134.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −181.6
Std Dev 0
2
1
0
−1
−2

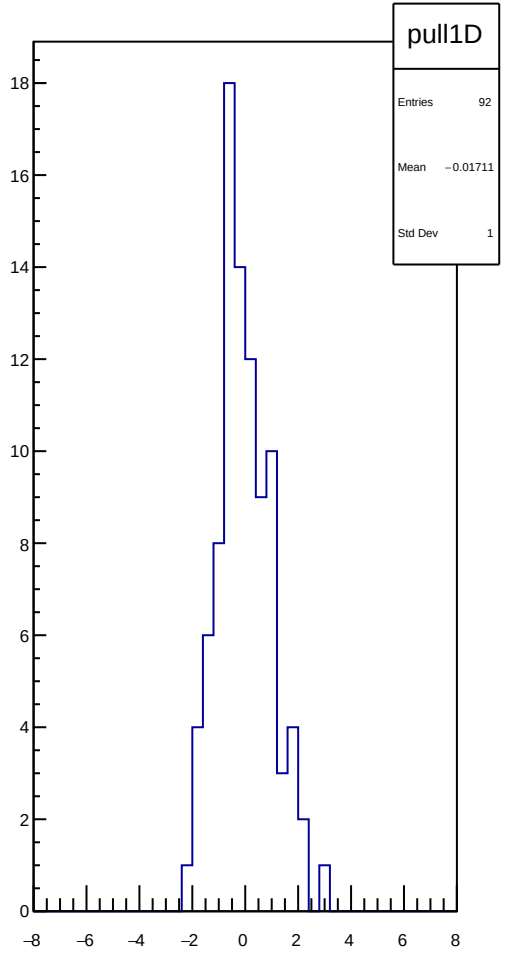

pull1D
Entries 92
Mean −0.01103
Std Dev 0.9366
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

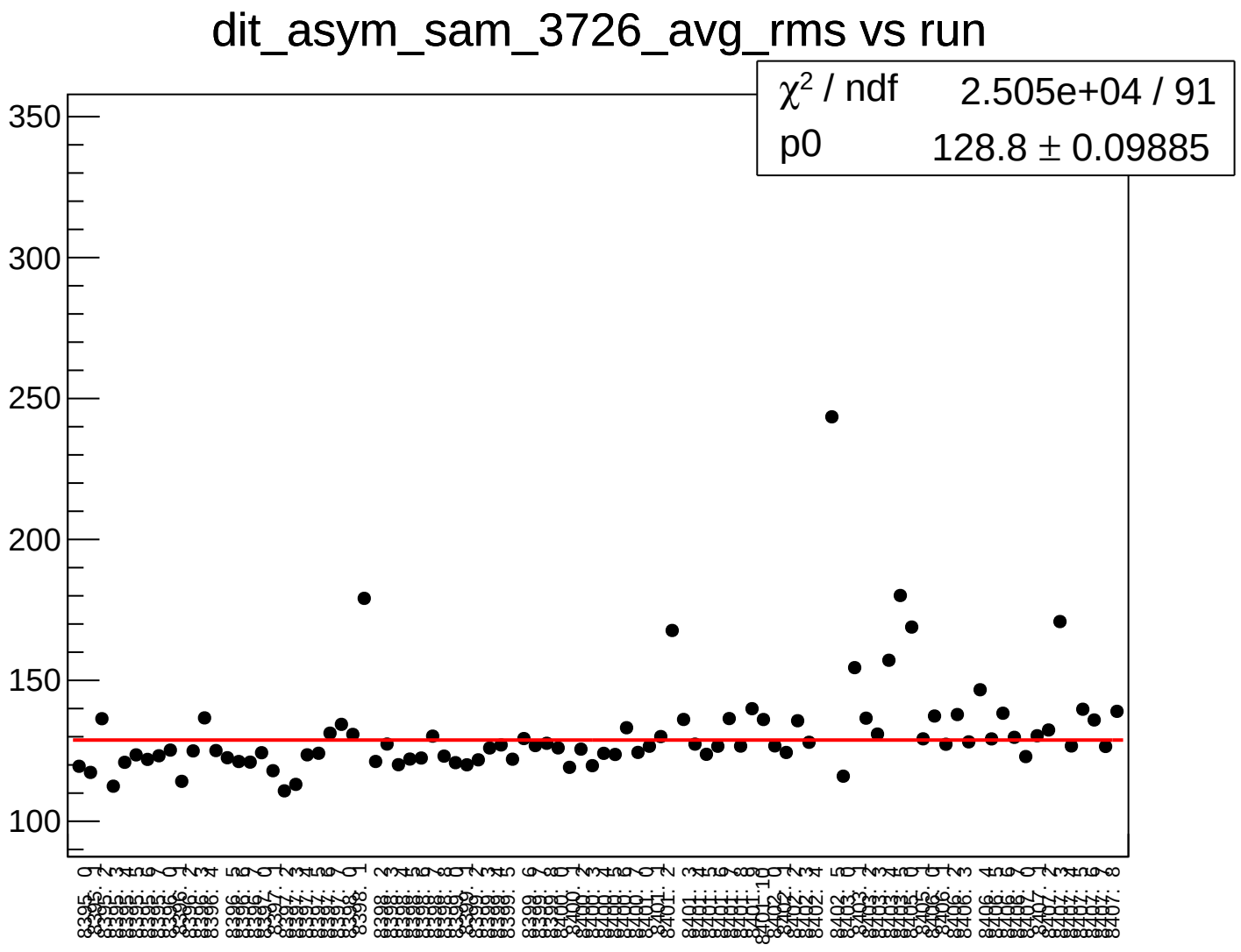

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.691e+04 / 91
p0 123.9 ± 0.09484
190
180
170
160
150
140
130
120
110
100

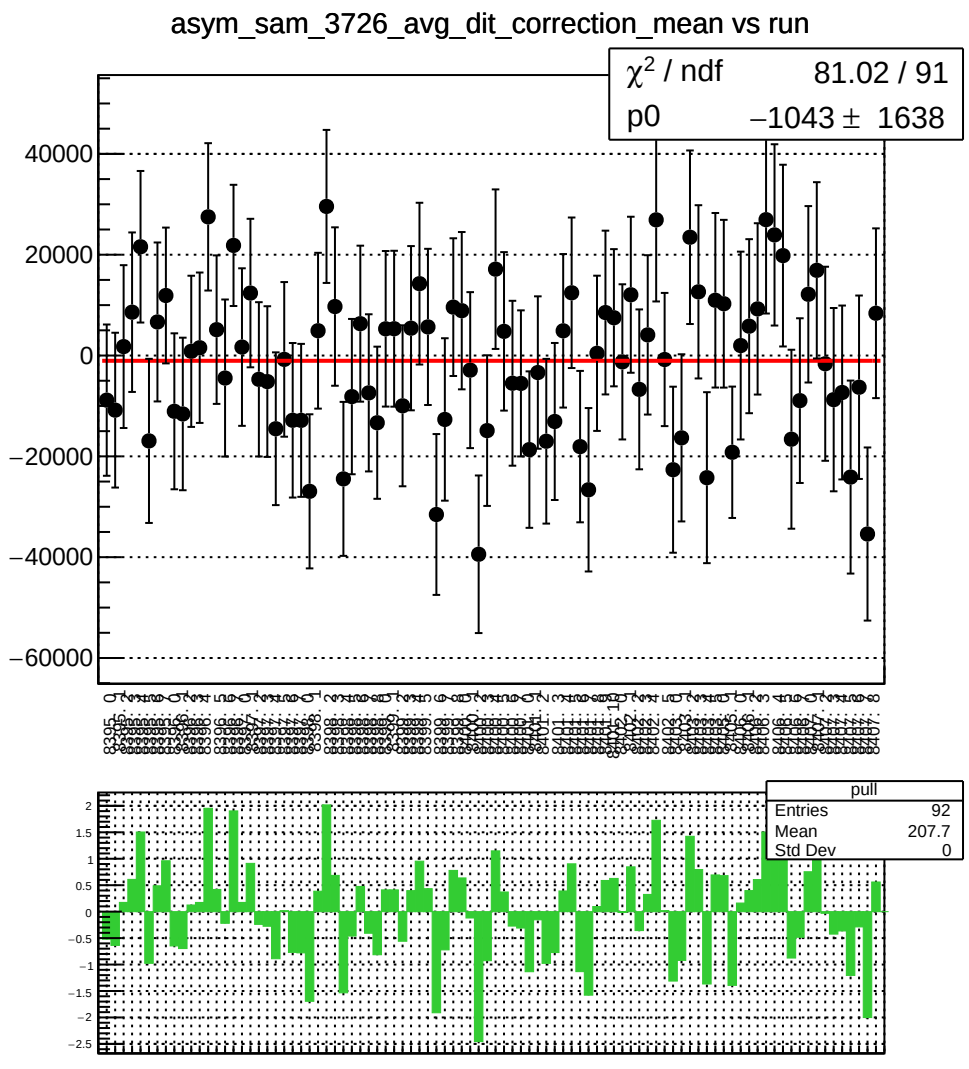

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.14 / 91
p0 −1097 ± 1647
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 482.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001698
Std Dev 0.9391
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

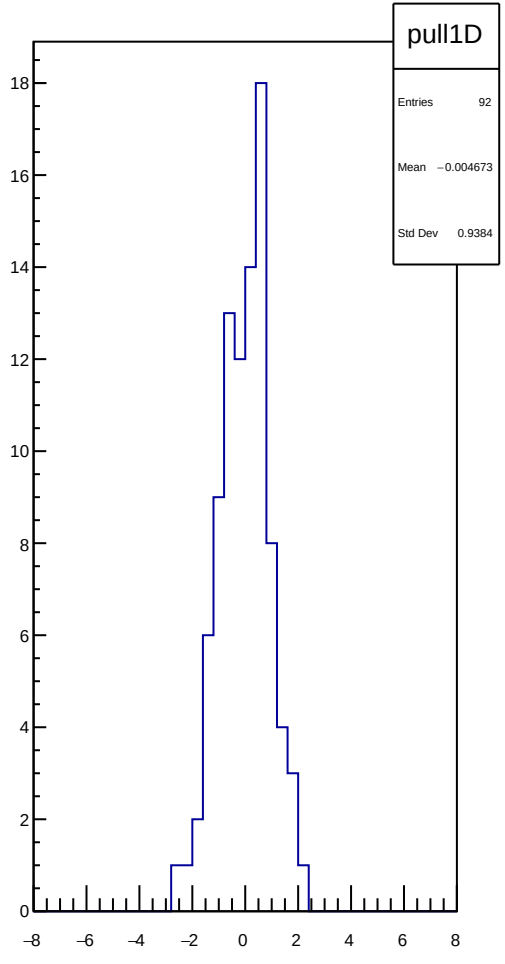

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 8608 / 91
p0 1525 ± 1.165
1900
1800
1700
1600
1500
1400

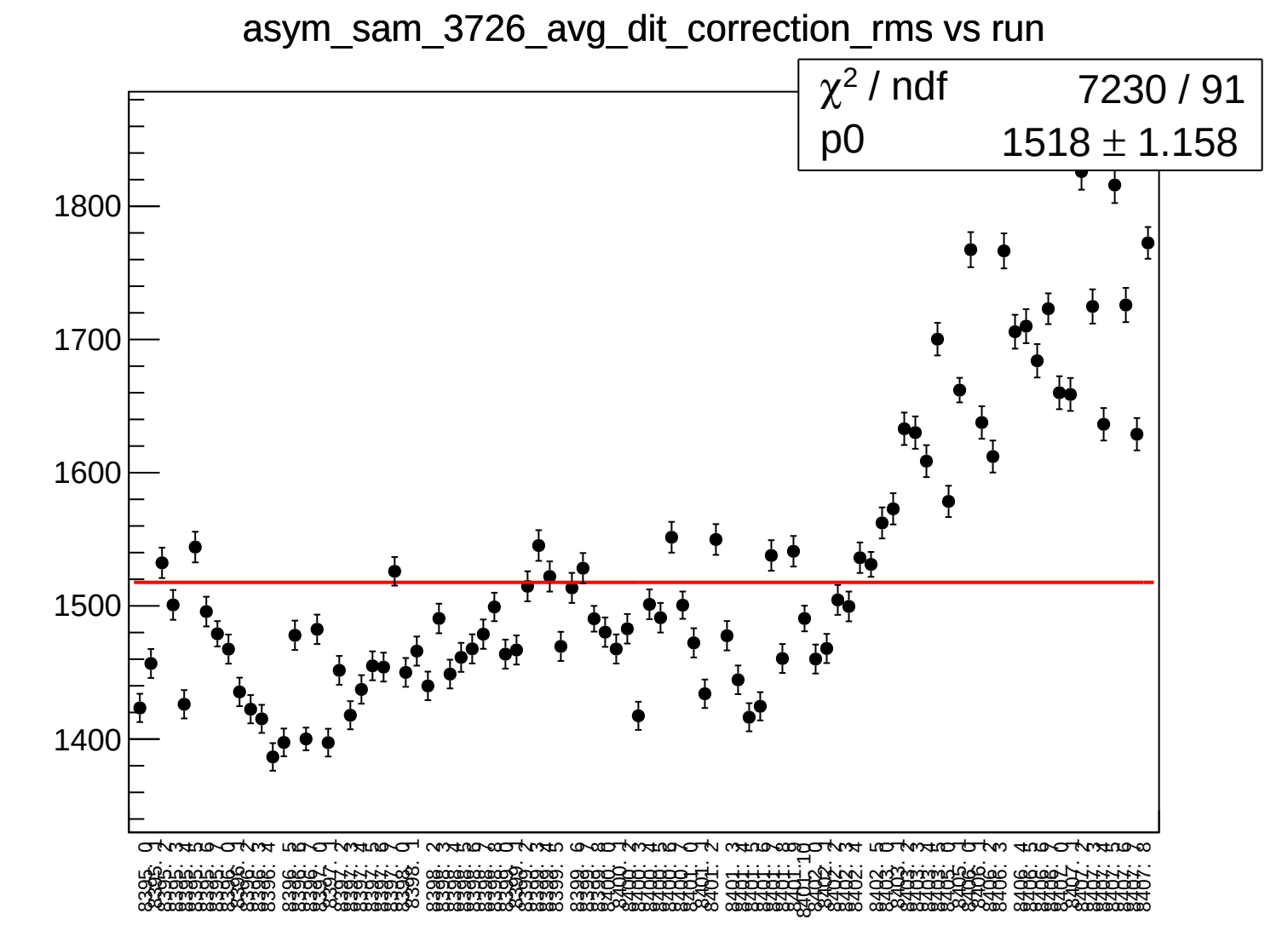

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 92.03 / 91
p0 −395.2 ± 139.8
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean −77.62
Std Dev 0
3
2
1
0
−1
−2

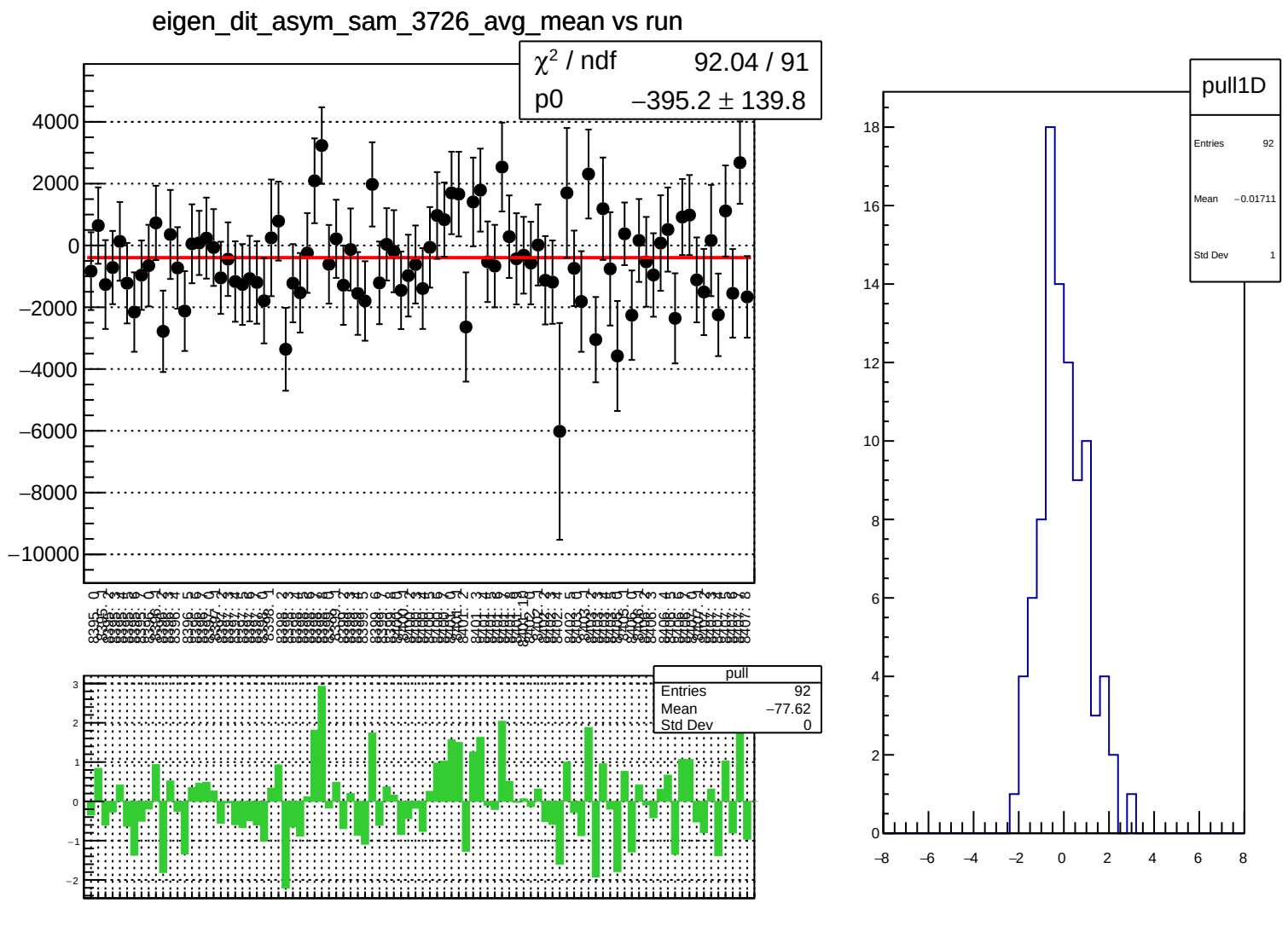

pull1D
Entries 92
Mean −0.01711
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

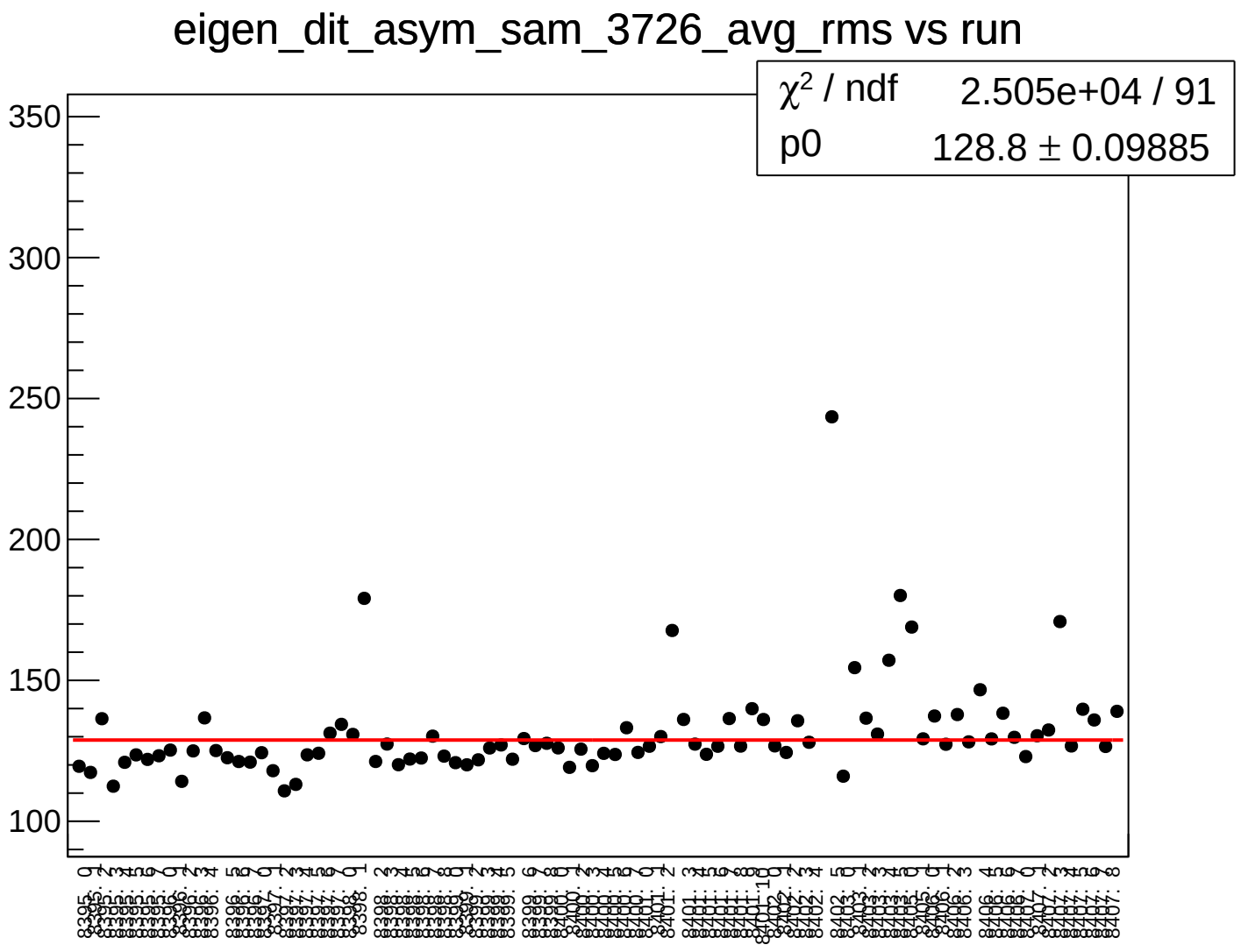

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.505e+04 / 91
p0 128.8 ± 0.09885
350
300
250
200
150
100

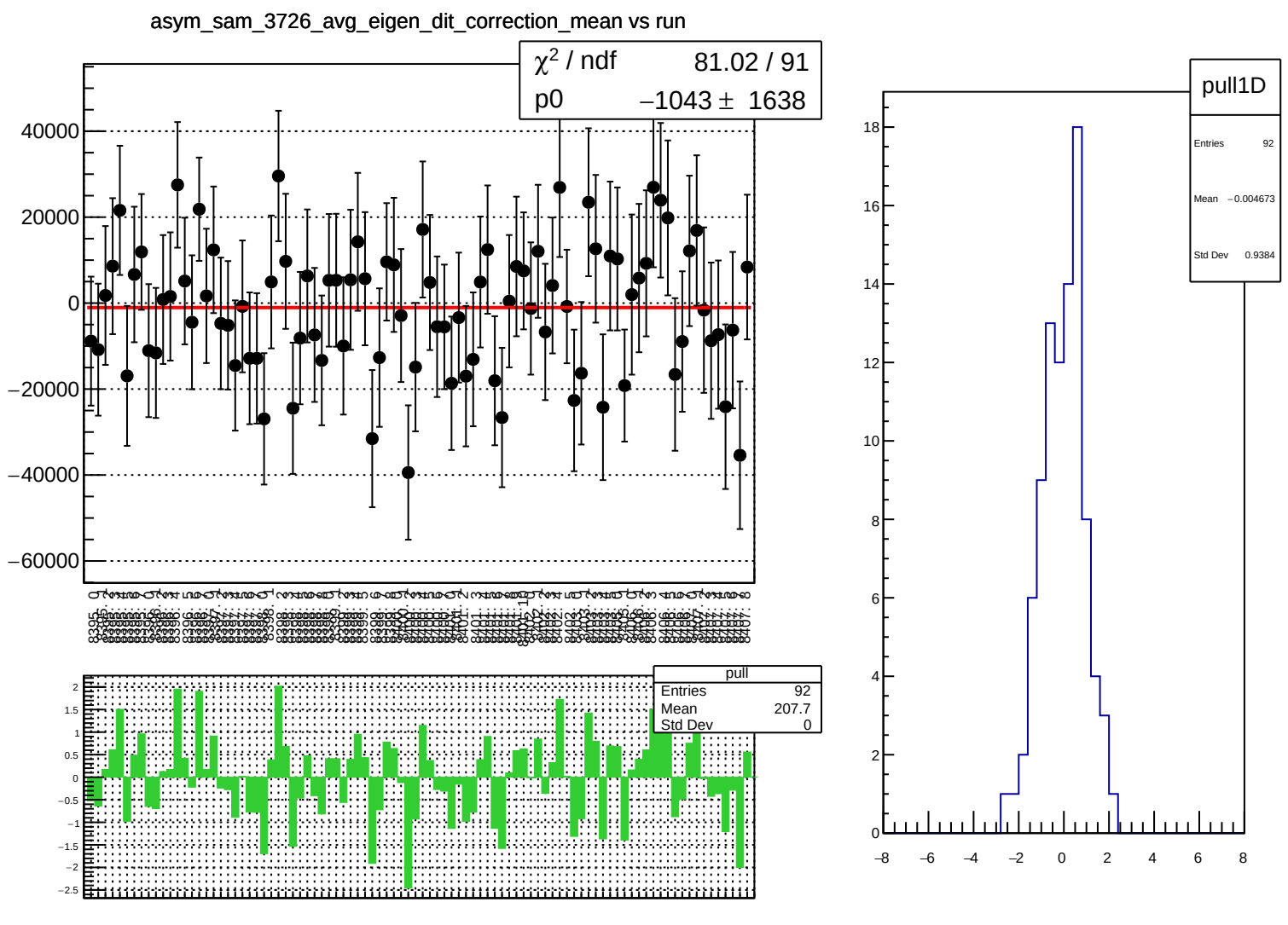

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 81.02 / 91
p0 −1043 ± 1638
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 207.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

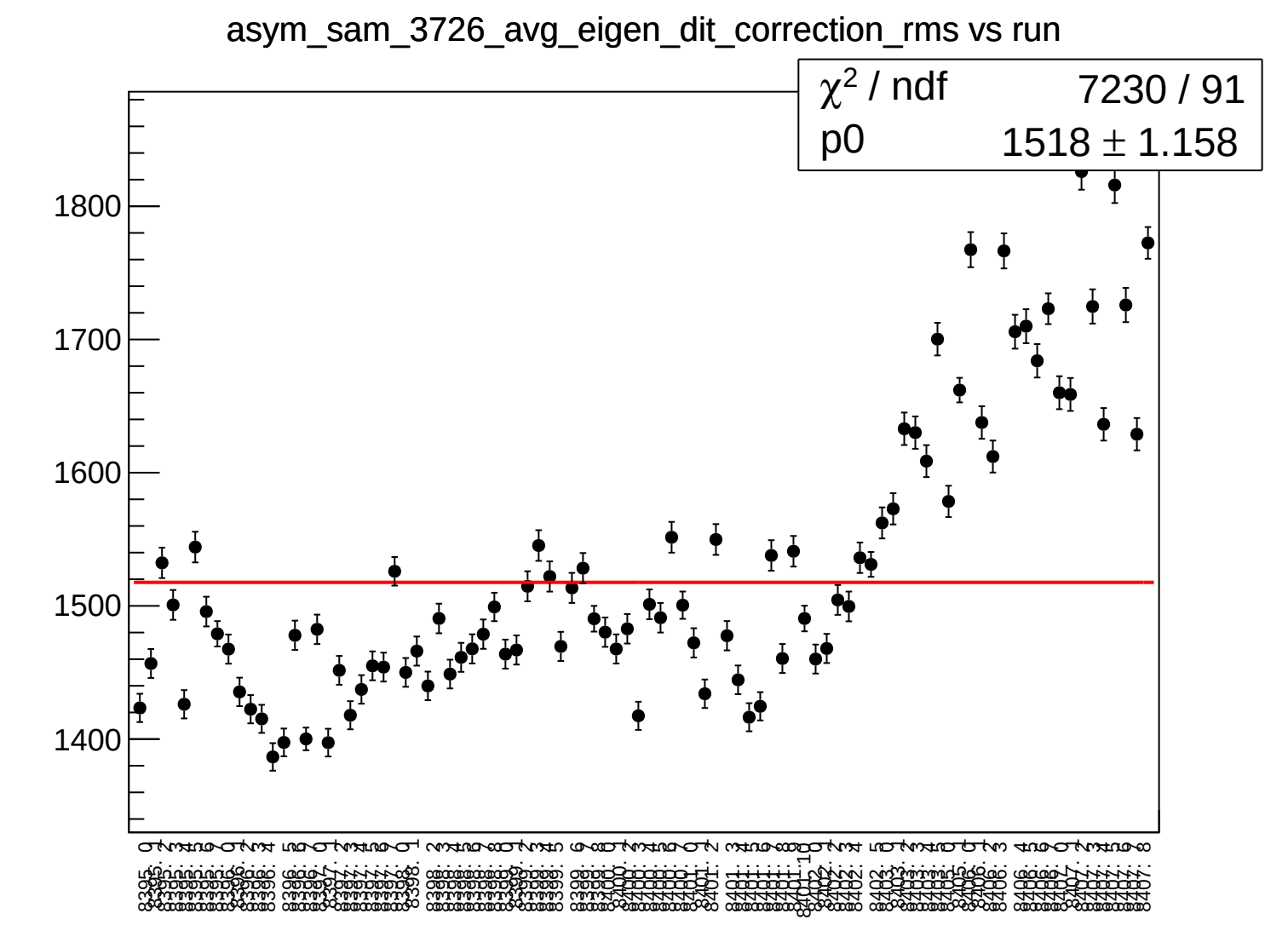

pull1D
Entries 92
Mean −0.004673
Std Dev 0.9384
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

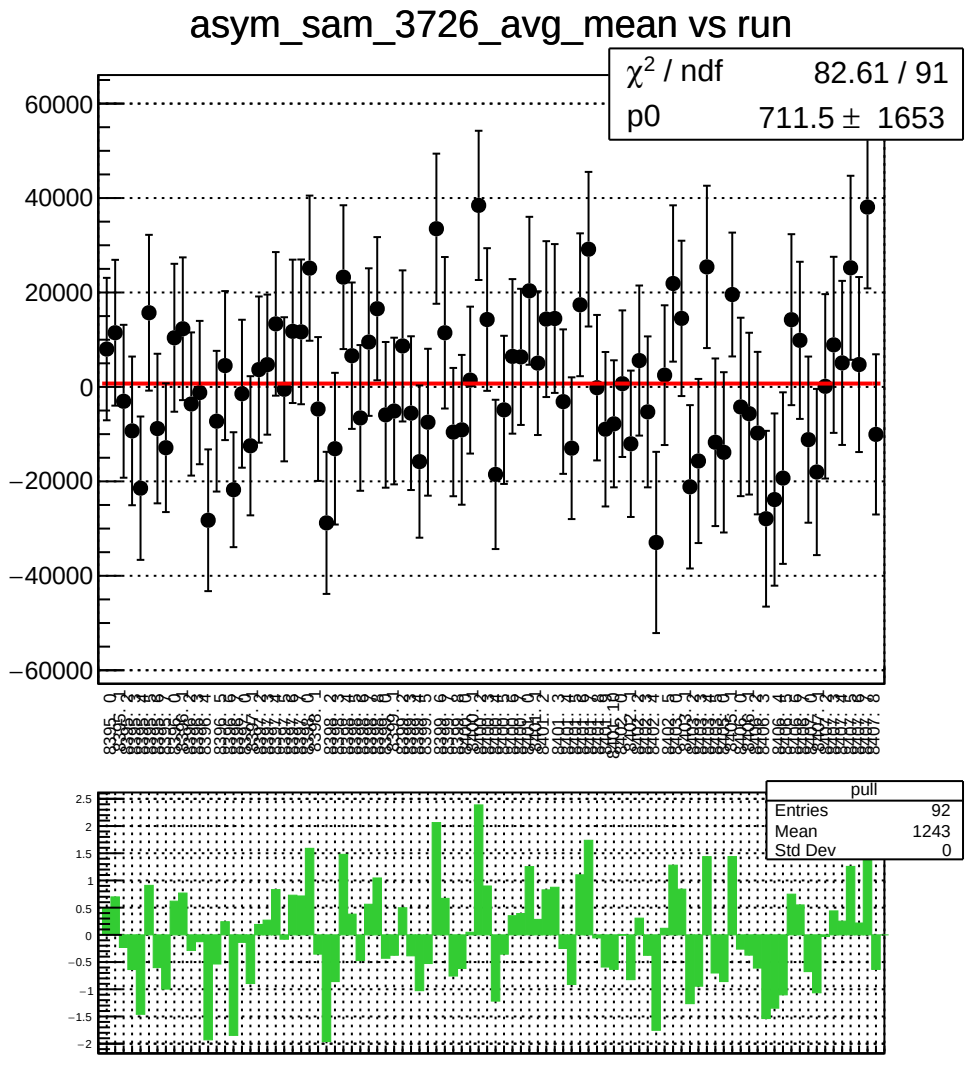

asym_sam_3726_avg_dit_correction_rms vs run
$\chi^2$ / ndf 7230 / 91
p0 1518 ± 1.158
1800
1700
1600
1500
1400

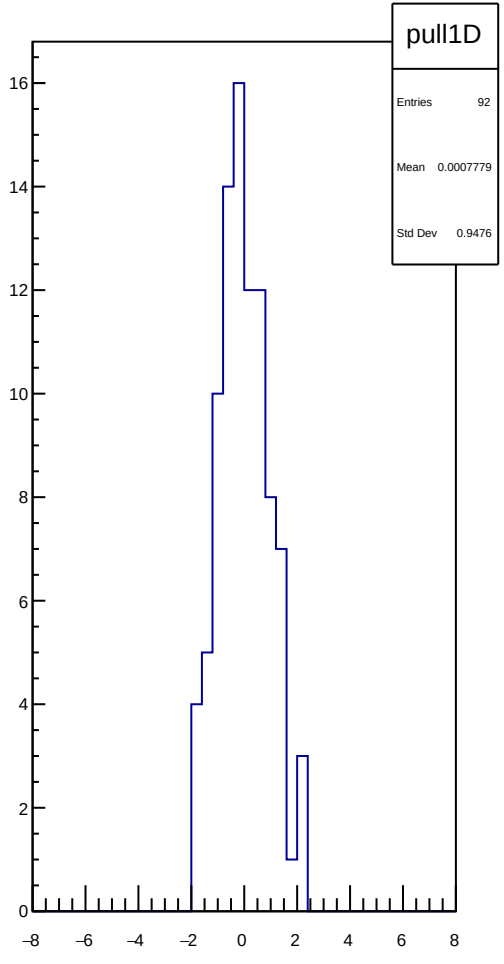

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 92.04 / 91
p0 −395.2 ± 139.8
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 92
Mean −77.62
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01711
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

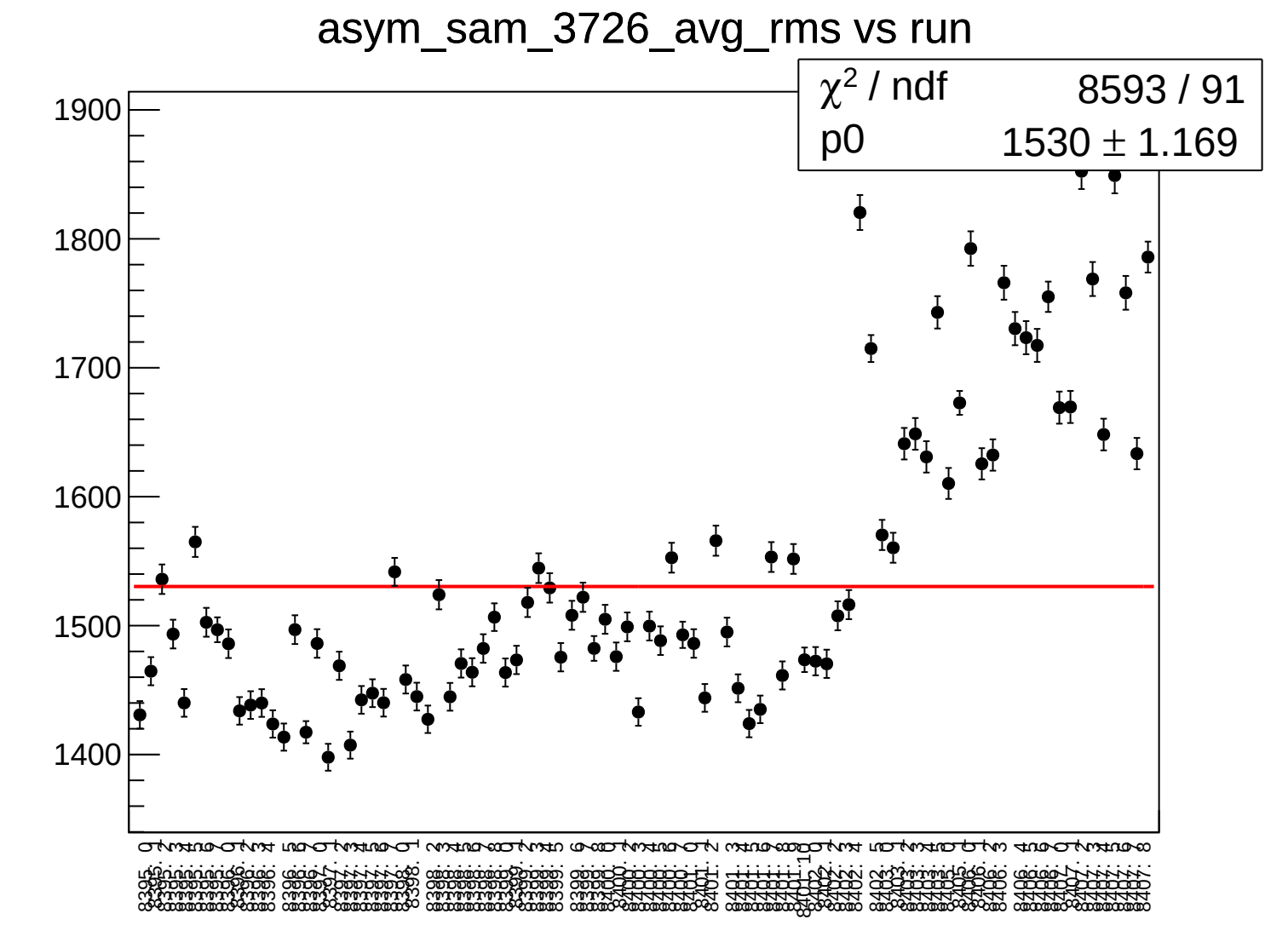

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.505e+04 / 91
p0 128.8 ± 0.09885
350
300
250
200
150
100

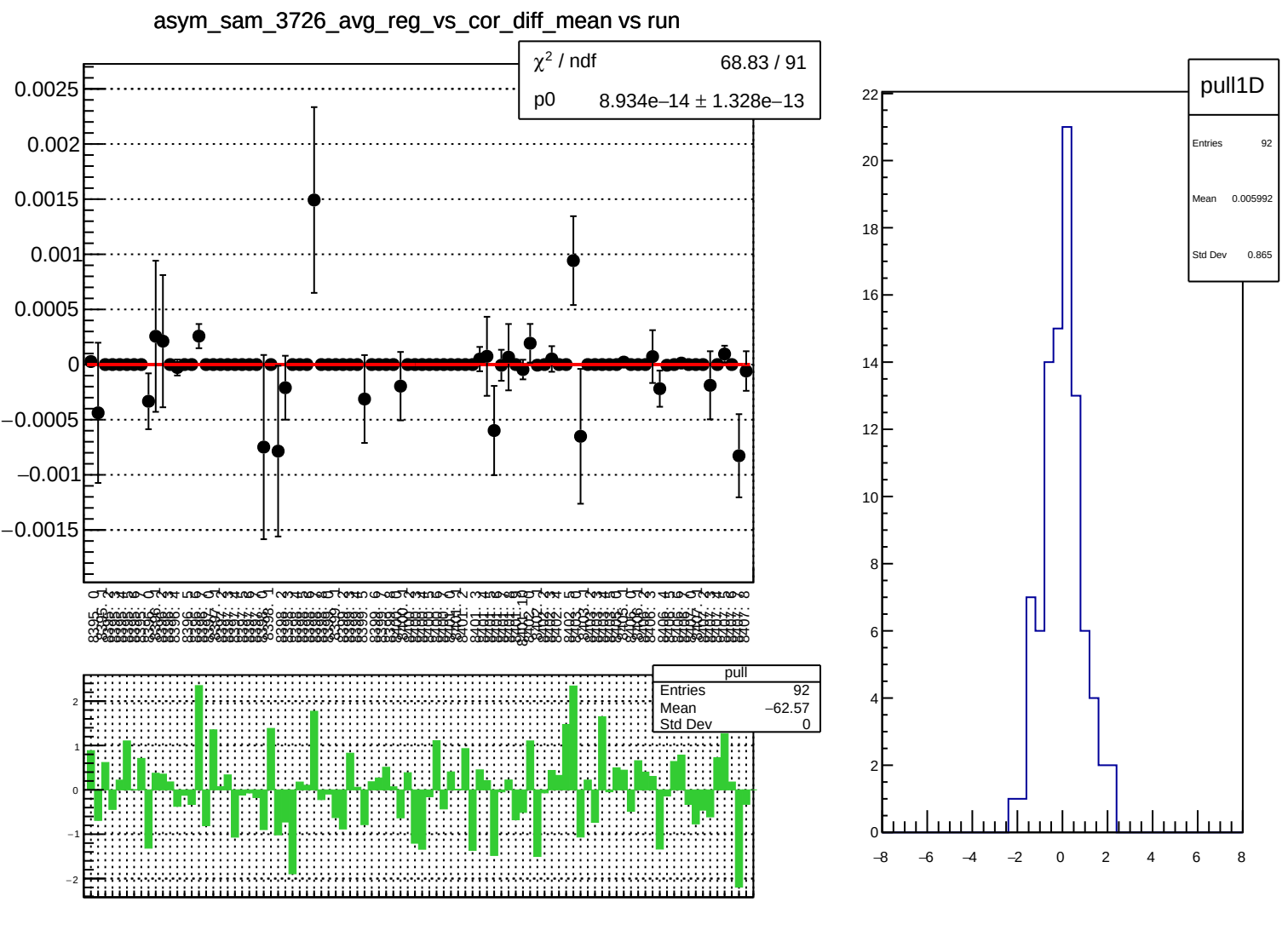

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.02 / 91
p0 −1043 ± 1638
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 207.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.004673
Std Dev 0.9384
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

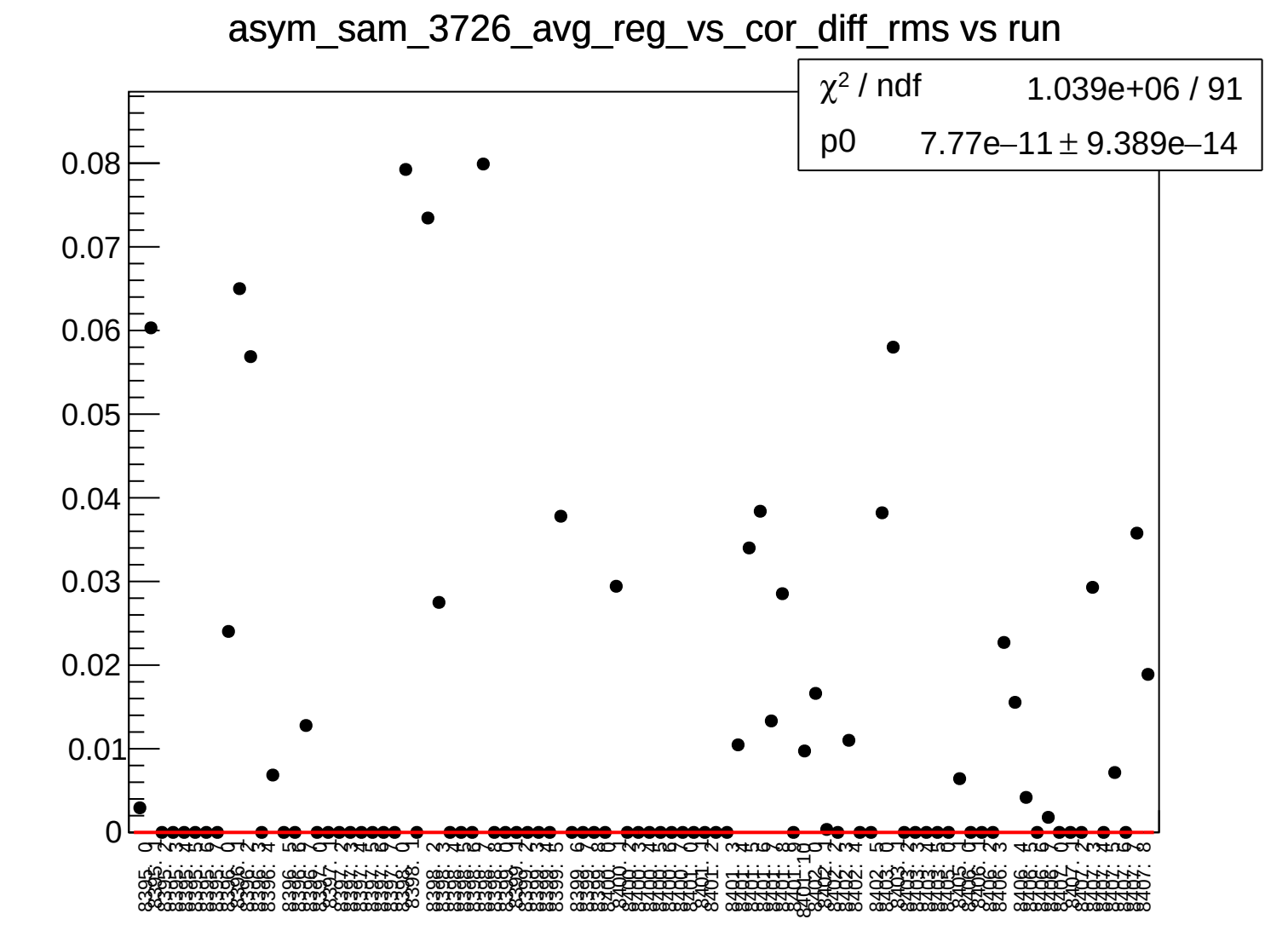

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 7230 / 91
p0 1518 ± 1.158
1800
1700
1600
1500
1400

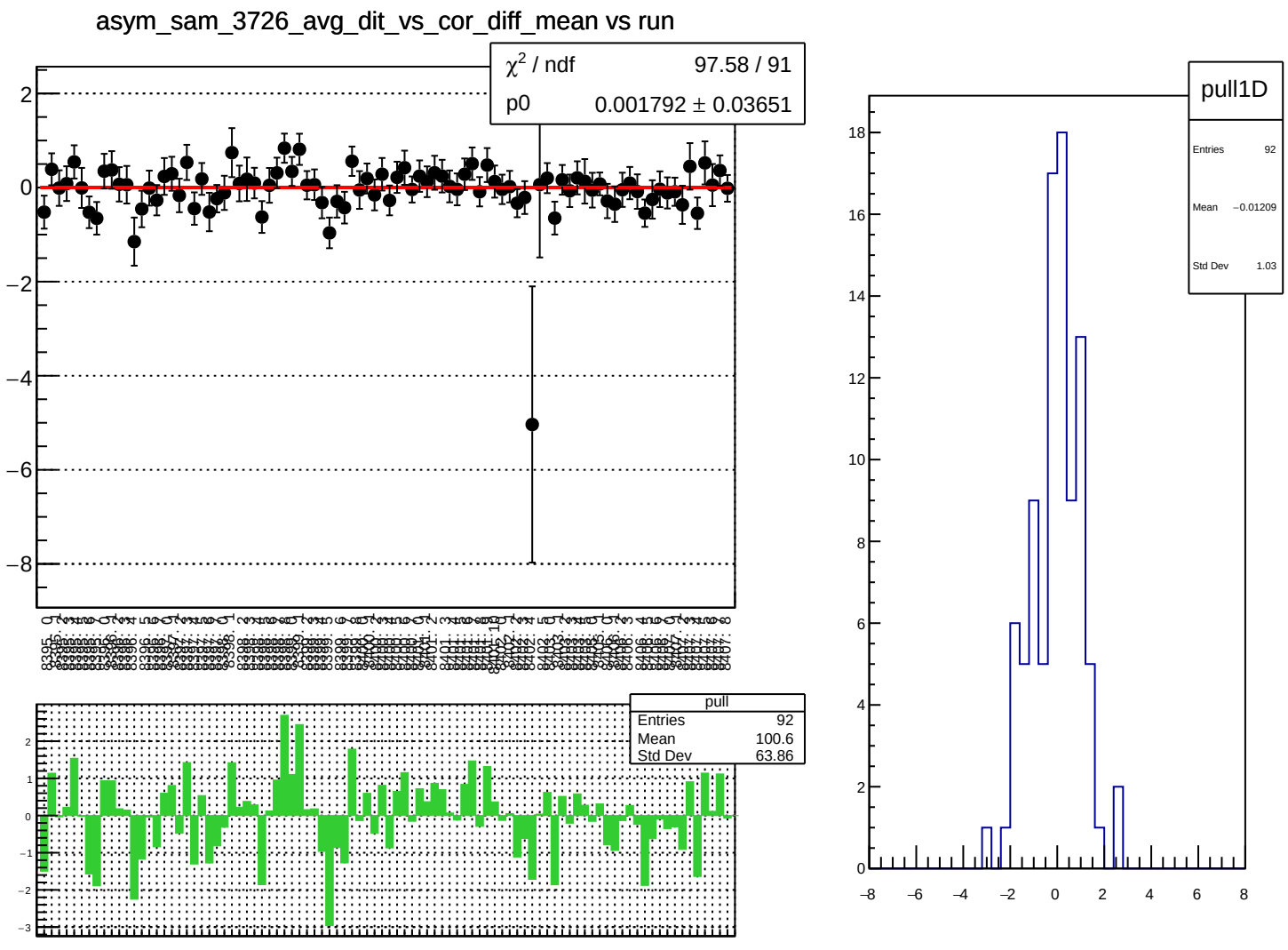

asym_sam_3726_avg_mean vs run
χ² / ndf 82.61 / 91
p0 711.5 ± 1653
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 1243
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

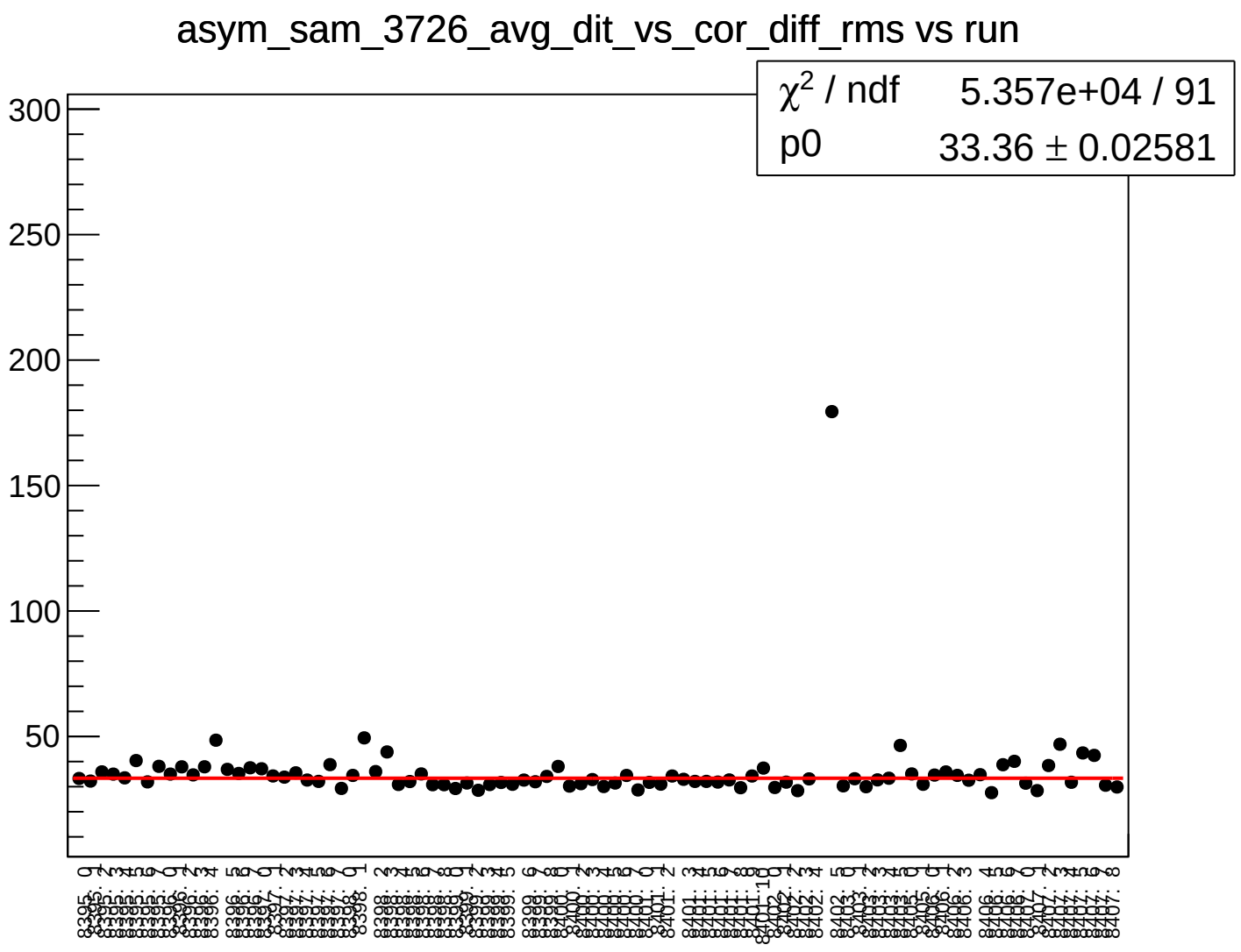

pull1D
Entries 92
Mean 0.0007779
Std Dev 0.9476
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

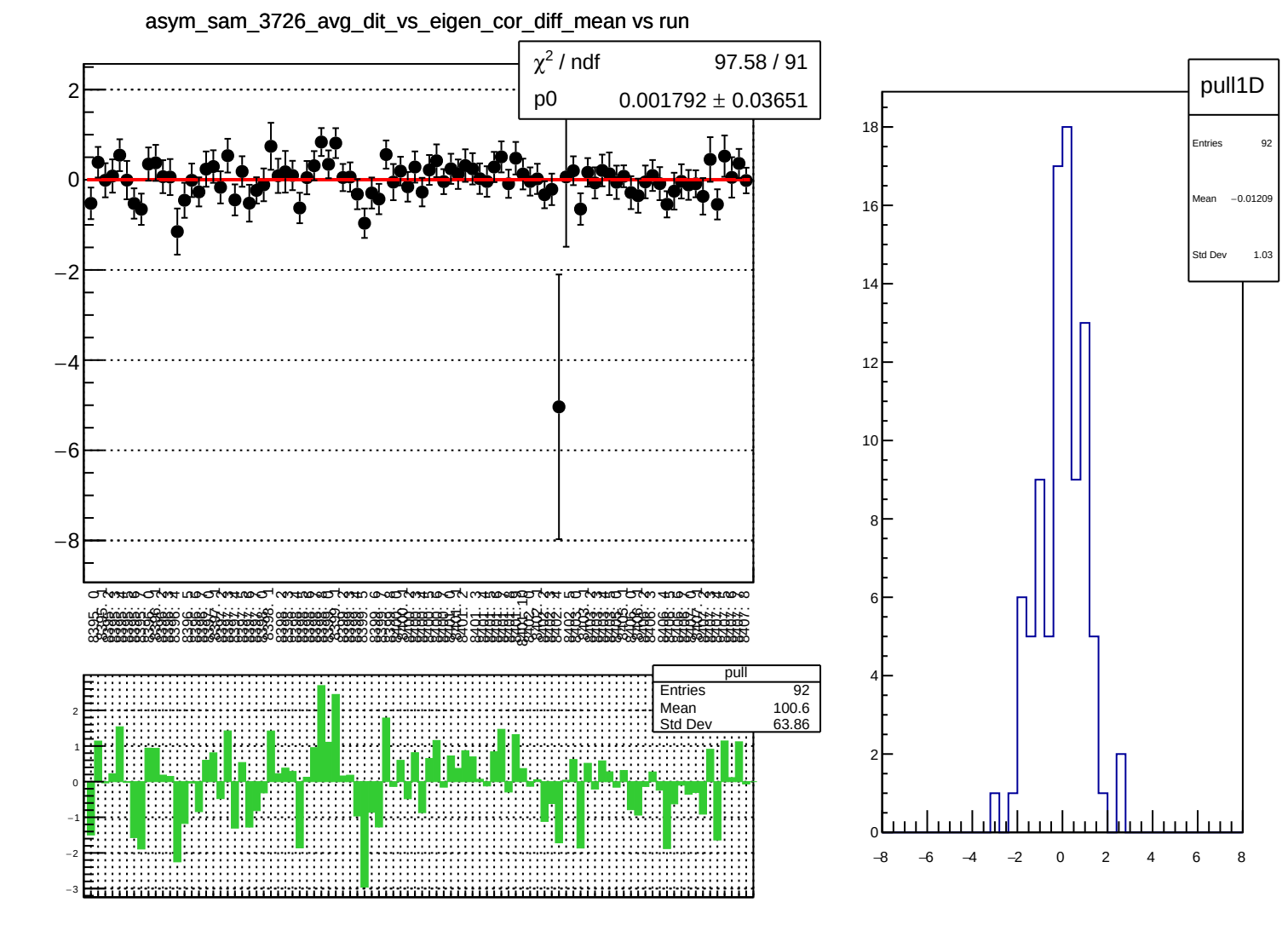

asym_sam_3726_avg_rms vs run
$\chi^2$ / ndf 8593 / 91
p0 1530 ± 1.169
1900
1800
1700
1600
1500
1400

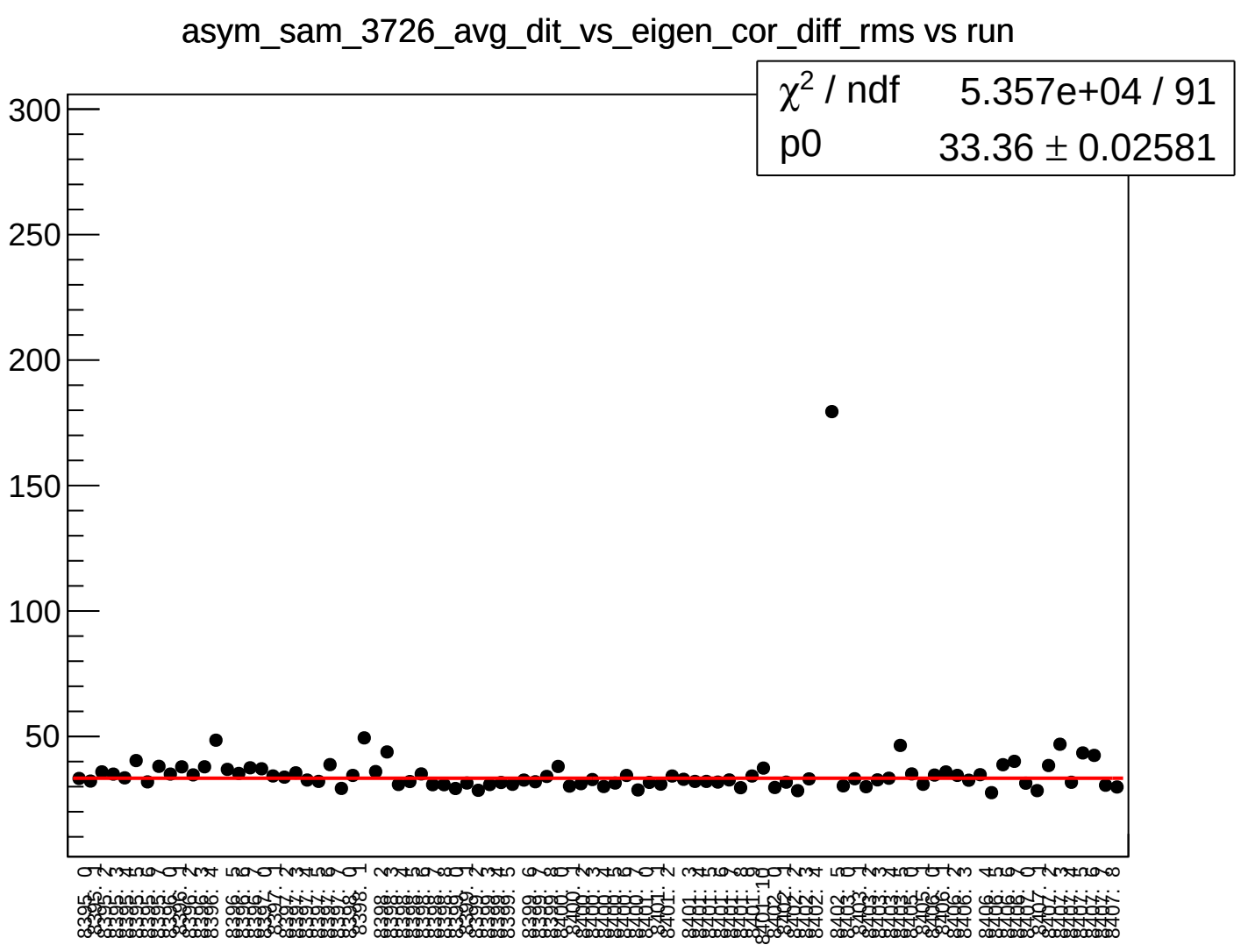

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 68.83 / 91
p0 8.934e−14 ± 1.328e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean −62.57
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.005992
Std Dev 0.865
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

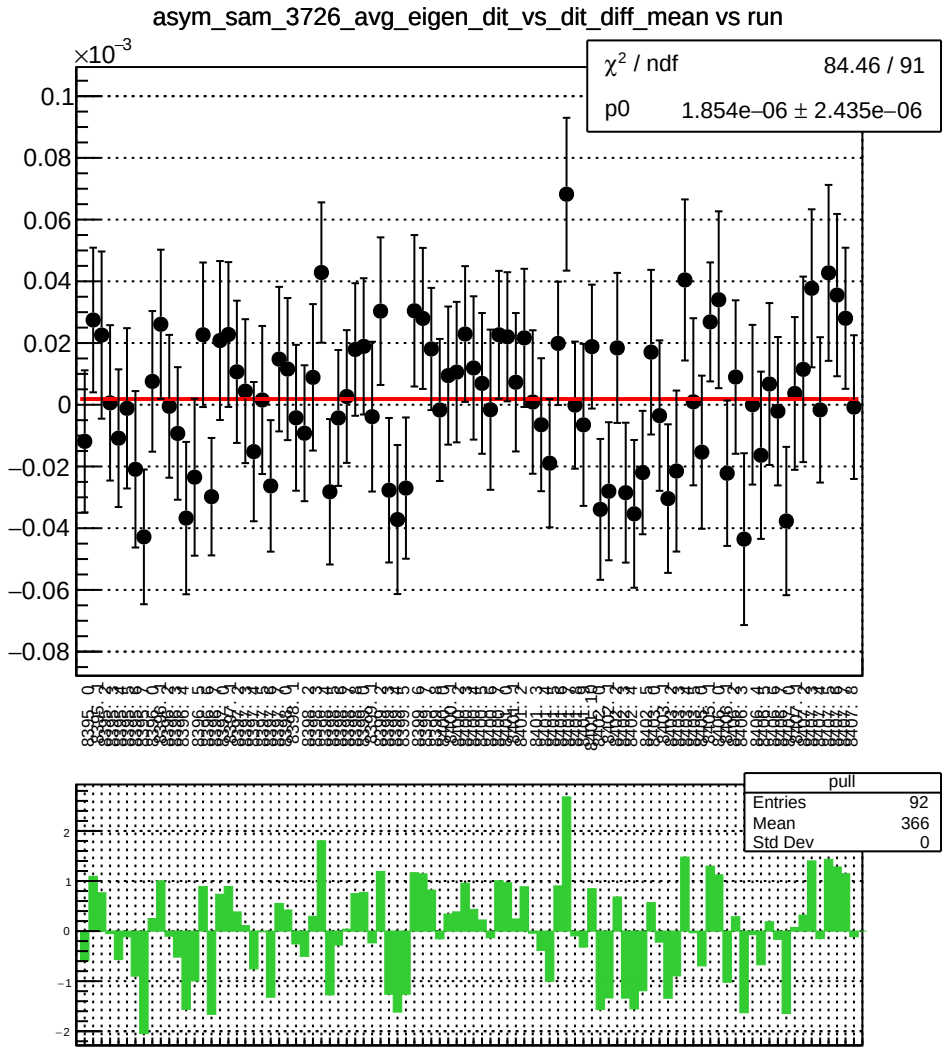

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.039e+06 / 91
p0 7.77e−11 ± 9.389e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

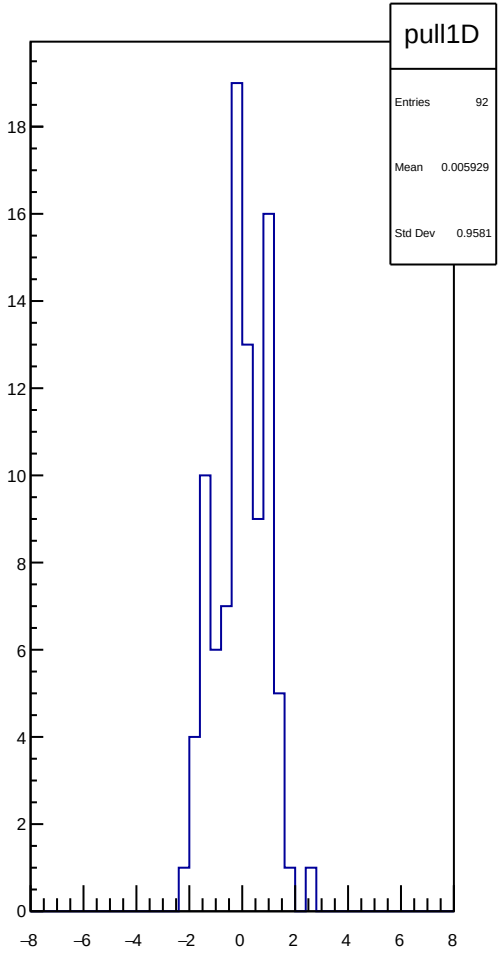

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 97.58 / 91
p0 0.001792 ± 0.03651
pull
Entries 92
Mean 100.6
Std Dev 63.86
pull1D
Entries 92
Mean −0.01209
Std Dev 1.03

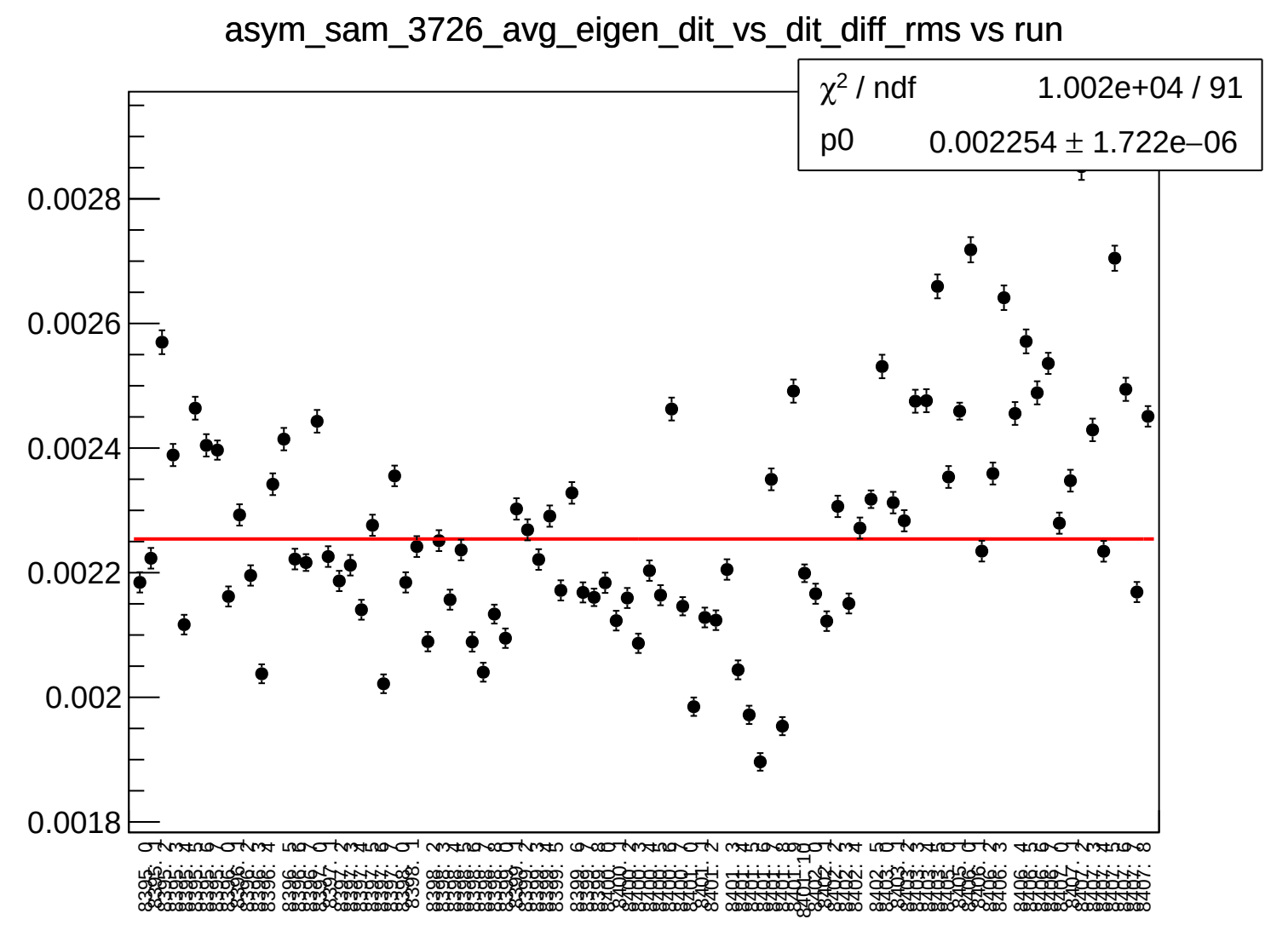

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 91
p0 33.36 ± 0.02581
300
250
200
150
100
50

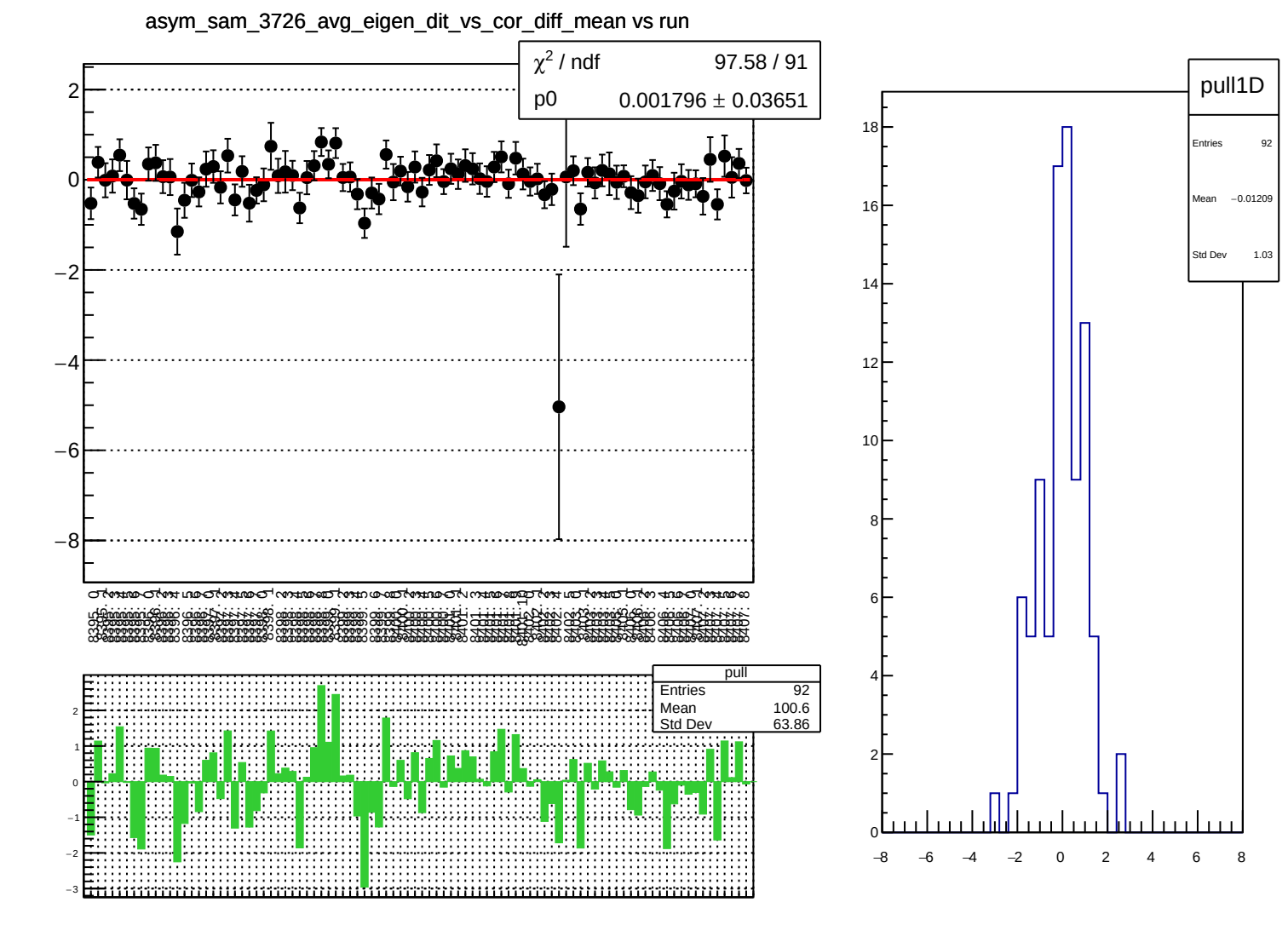

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.58 / 91
p0 0.001792 ± 0.03651
pull
Entries 92
Mean 100.6
Std Dev 63.86
pull1D
Entries 92
Mean −0.01209
Std Dev 1.03

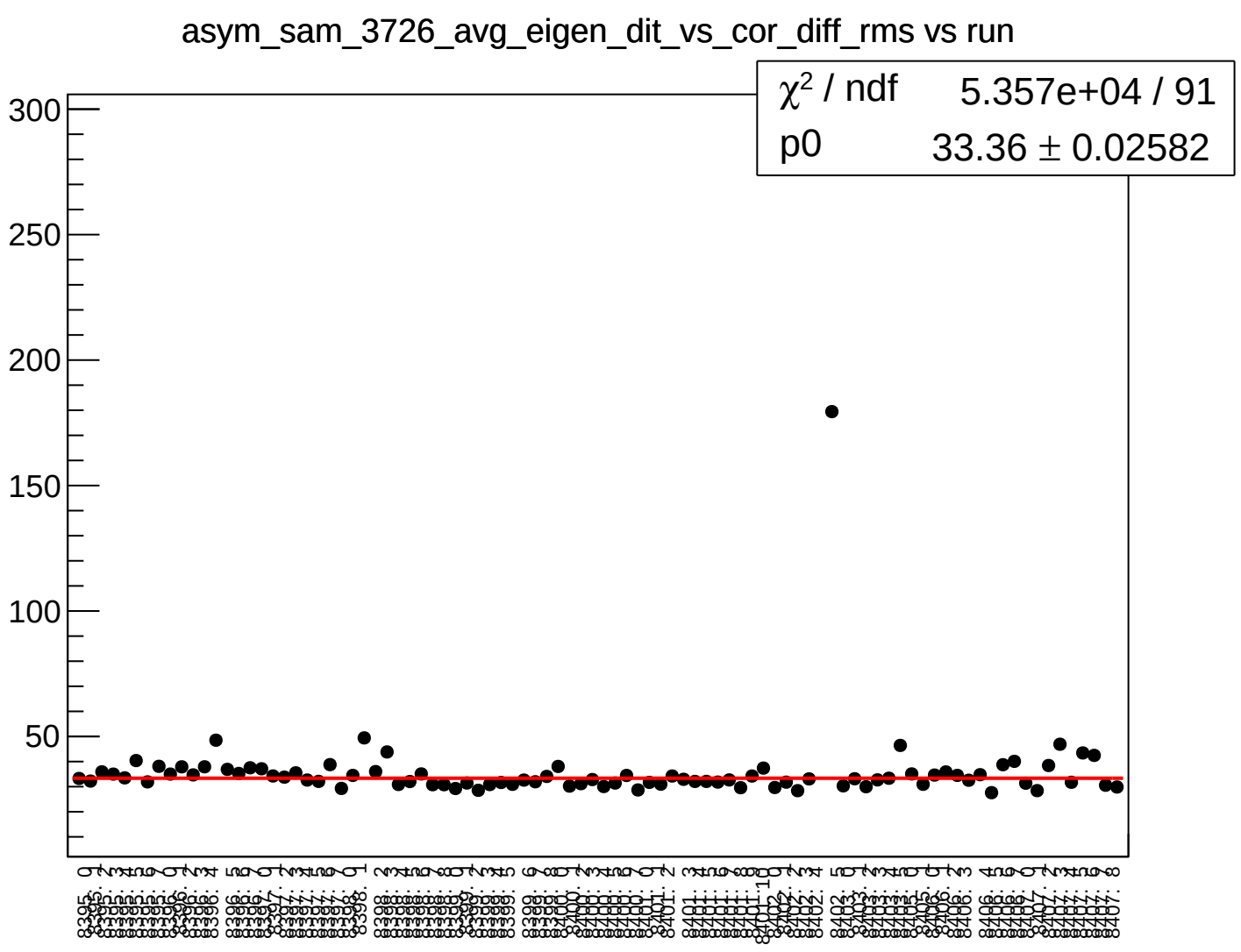

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 5.357e+04 / 91
p0 33.36 ± 0.02581
300
250
200
150
100
50

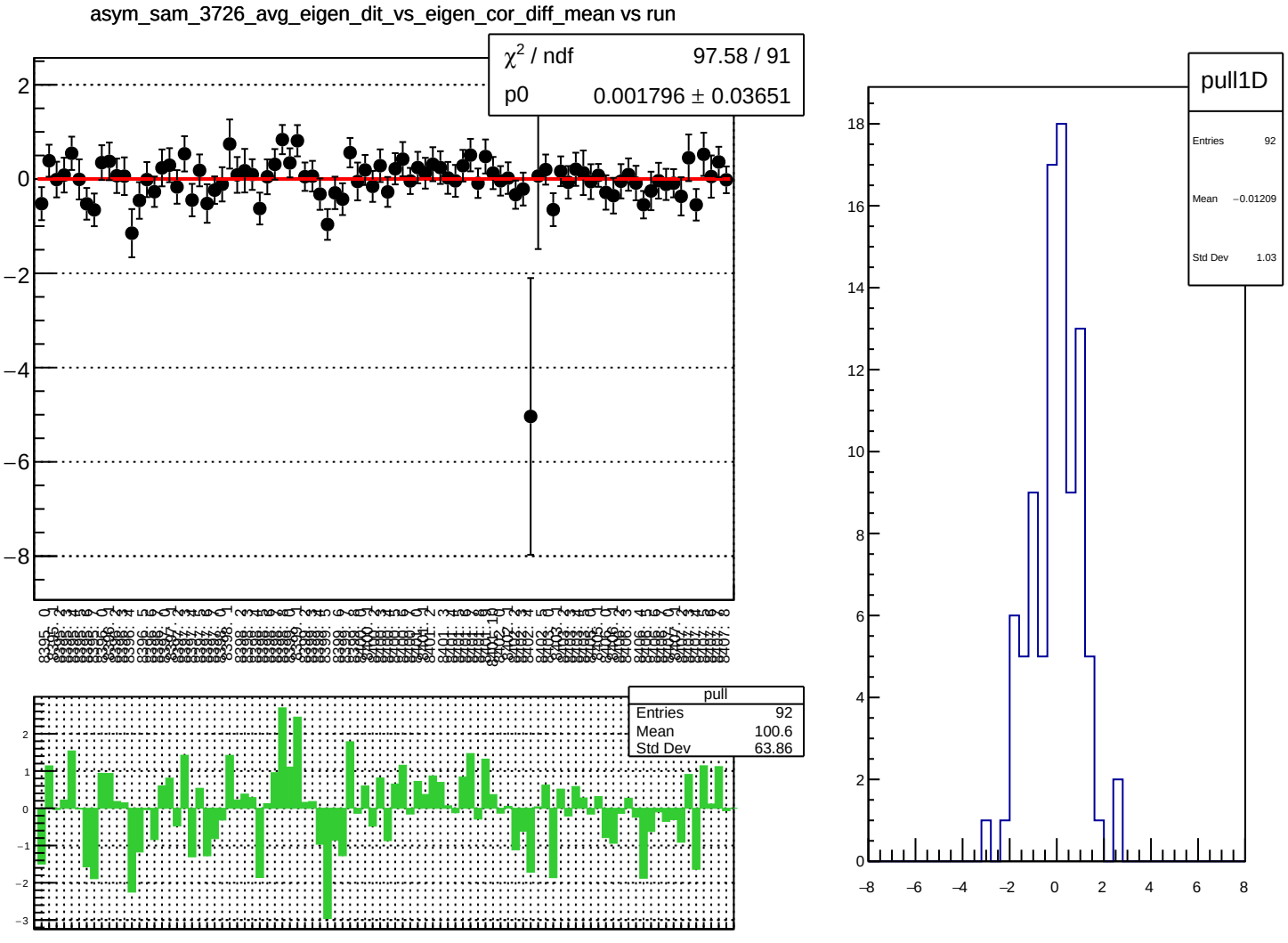

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 84.46 / 91
p0 1.854e−06 ± 2.435e−06
pull
Entries 92
Mean 366
Std Dev 0

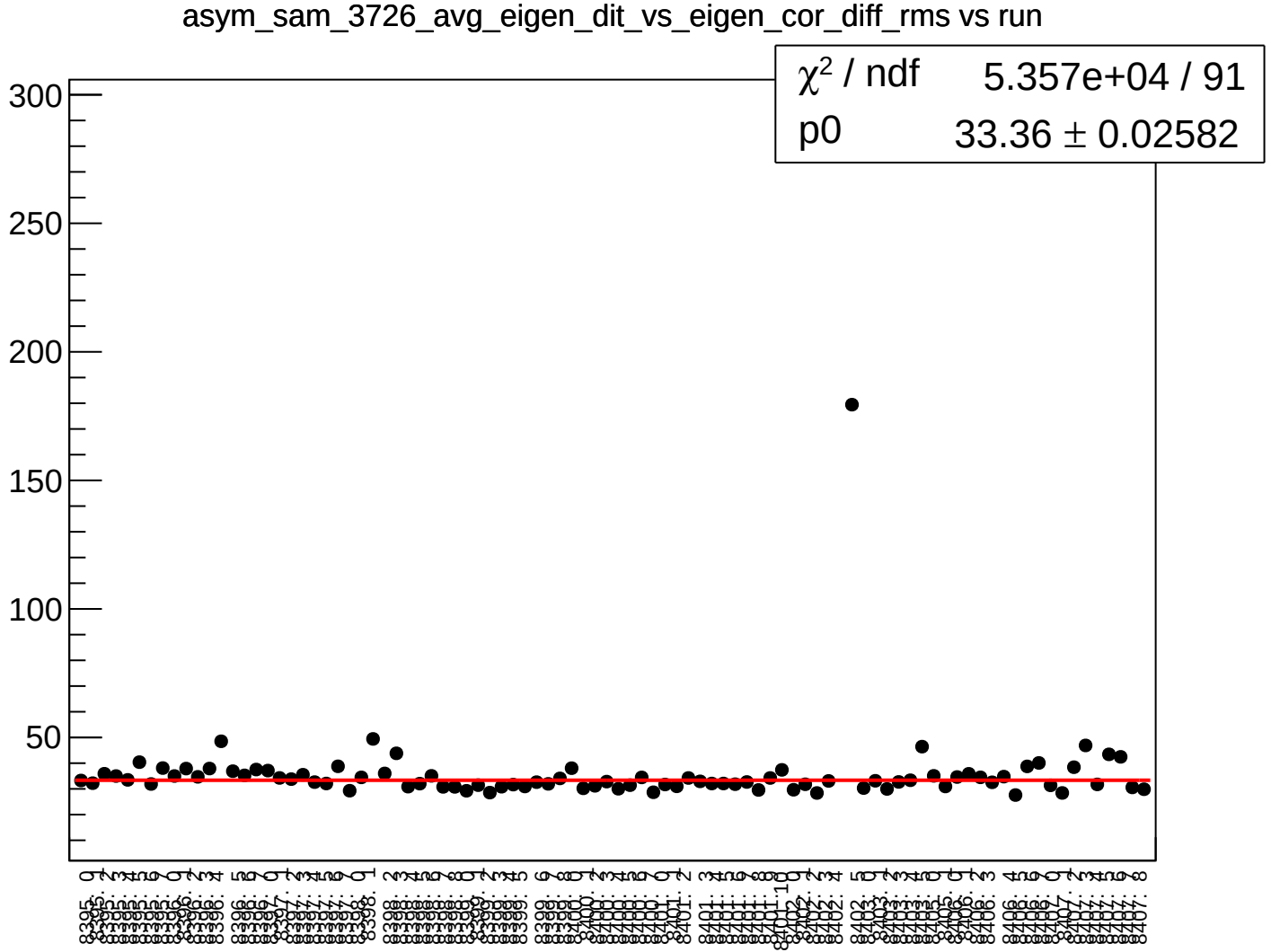

pull1D
Entries 92
Mean 0.005929
Std Dev 0.9581

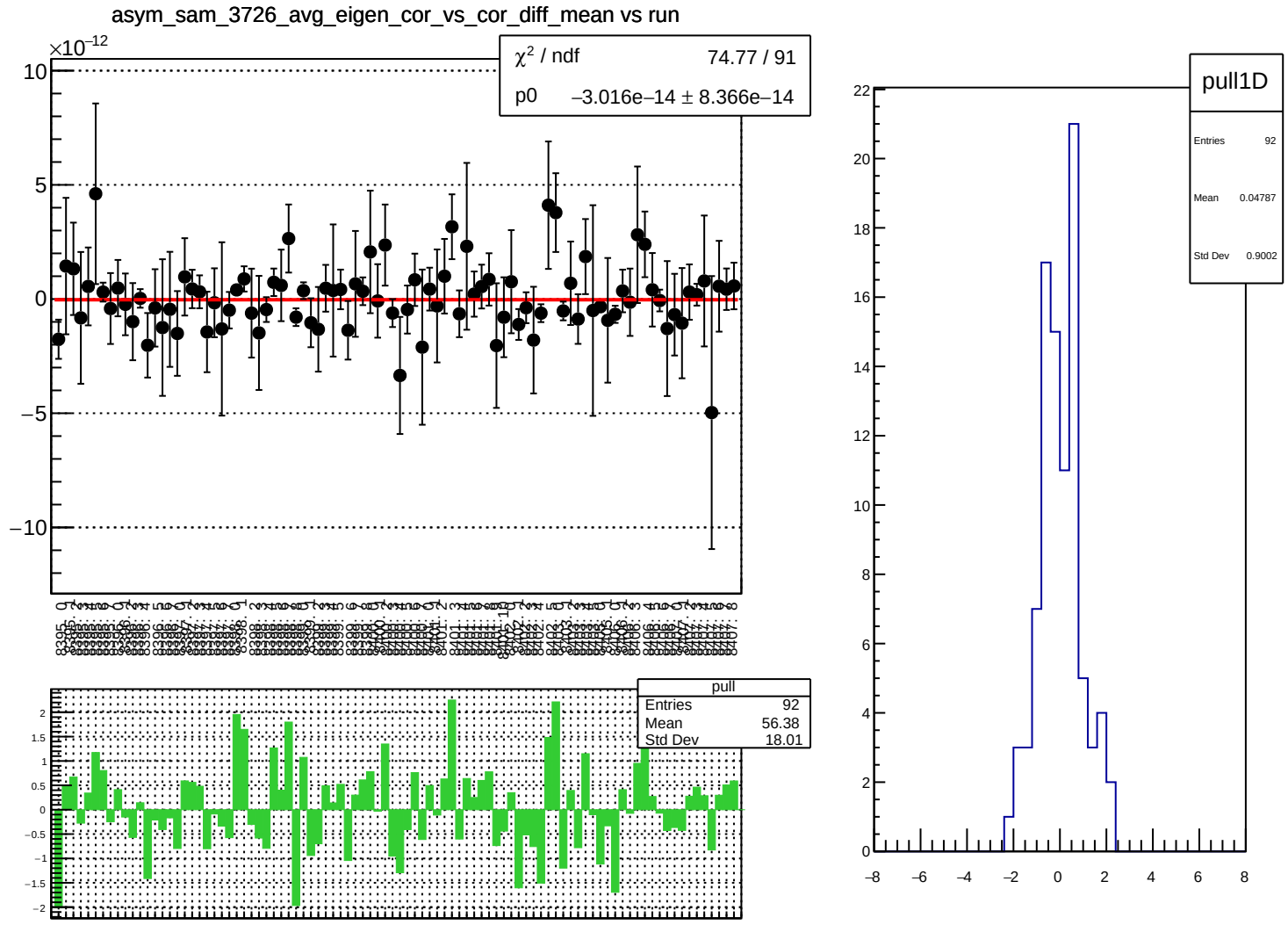

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.002e+04 / 91
p0 0.002254 ± 1.722e−06
0.0028
0.0026
0.0024
0.0022
0.002
0.0018

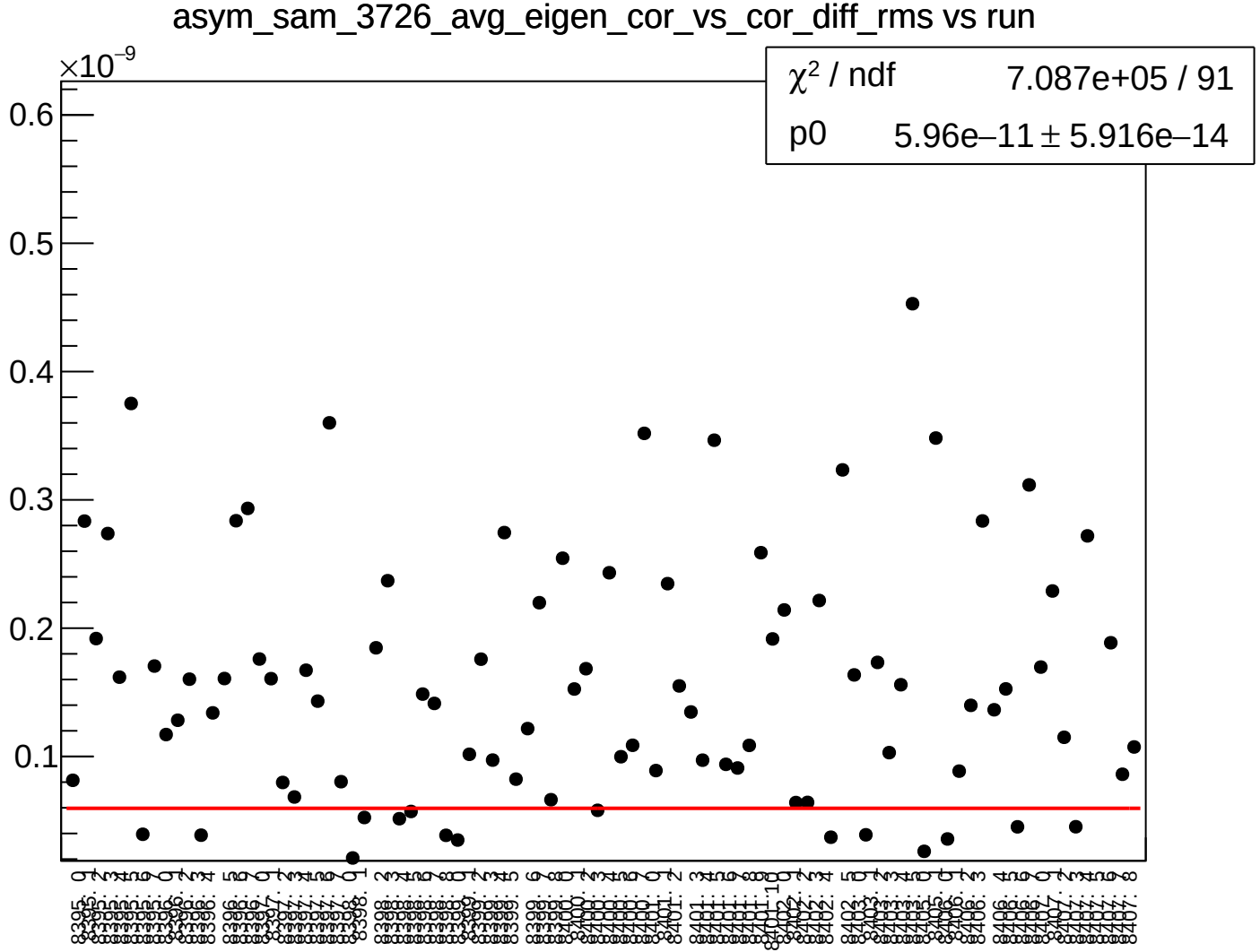

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 97.58 / 91
p0 0.001796 ± 0.03651
pull
Entries 92
Mean 100.6
Std Dev 63.86
pull1D
Entries 92
Mean −0.01209
Std Dev 1.03

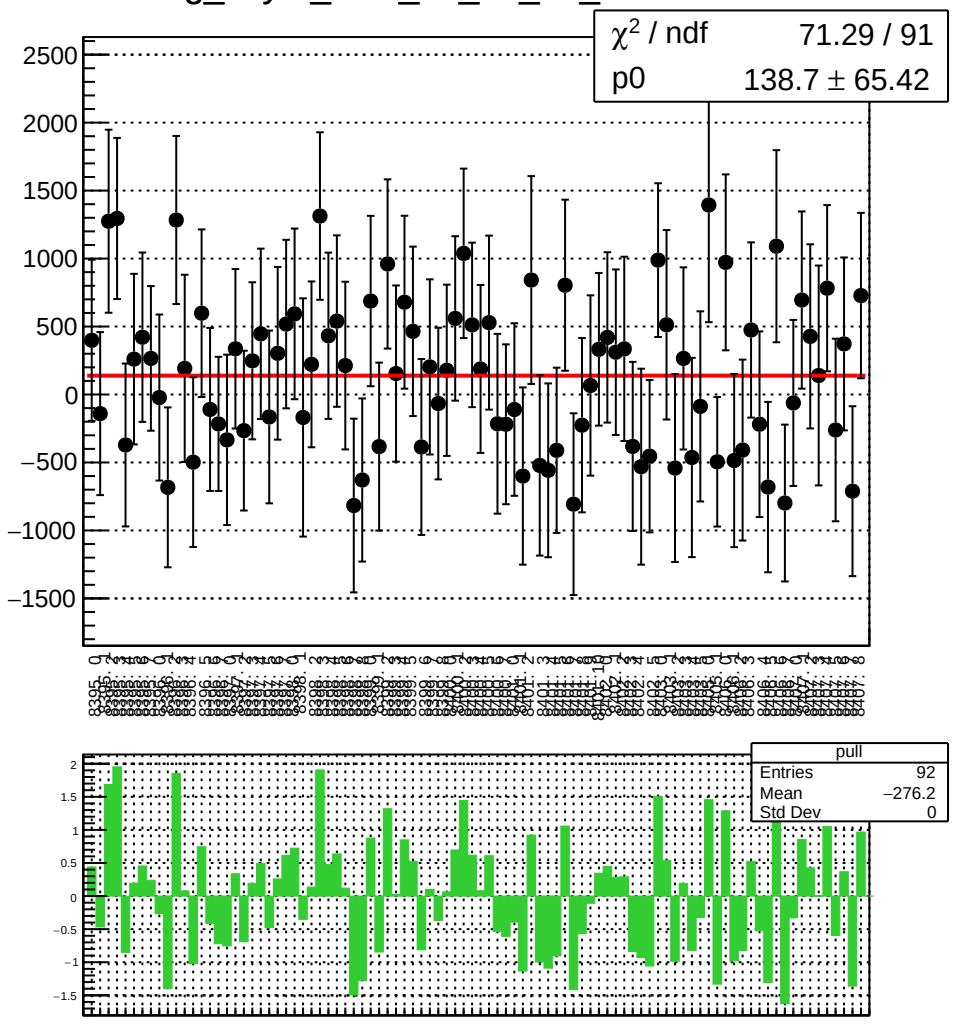

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 91
p0 33.36 ± 0.02582
300
250
200
150
100
50

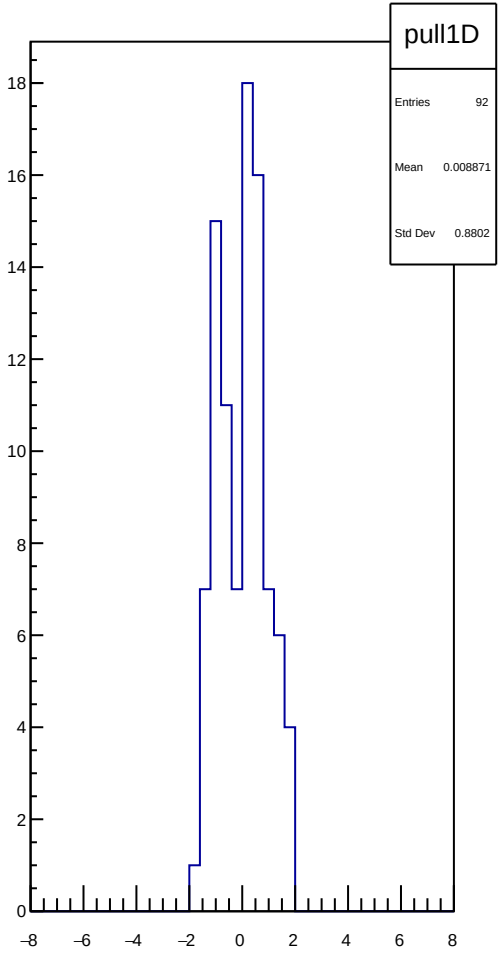

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.58 / 91
p0 0.001796 ± 0.03651
pull
Entries 92
Mean 100.6
Std Dev 63.86
pull1D
Entries 92
Mean −0.01209
Std Dev 1.03

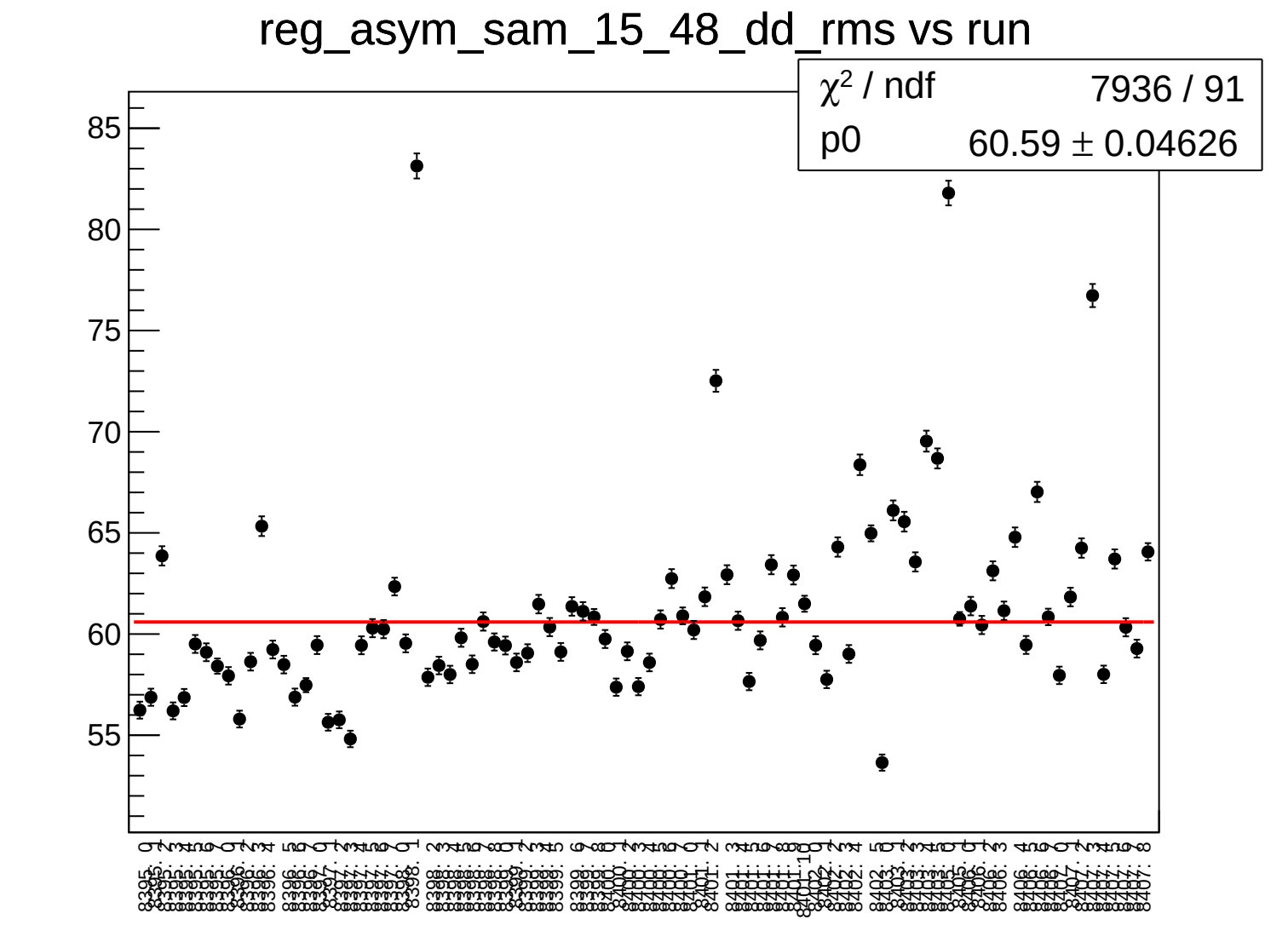

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 91
p0 33.36 ± 0.02582
300
250
200
150
100
50

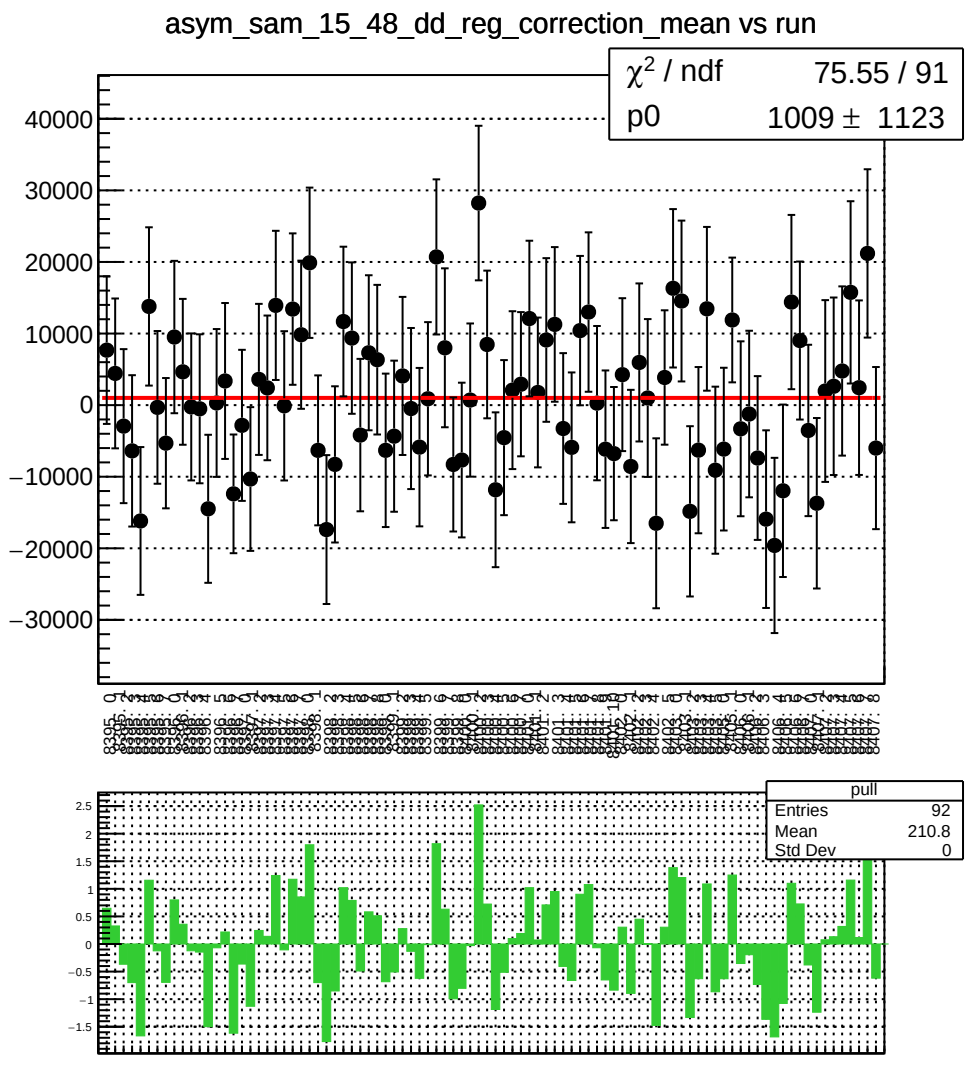

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.77 / 91
p0 −3.016e−14 ± 8.366e−14
pull
Entries 92
Mean 56.38
Std Dev 18.01
pull1D
Entries 92
Mean 0.04787
Std Dev 0.9002

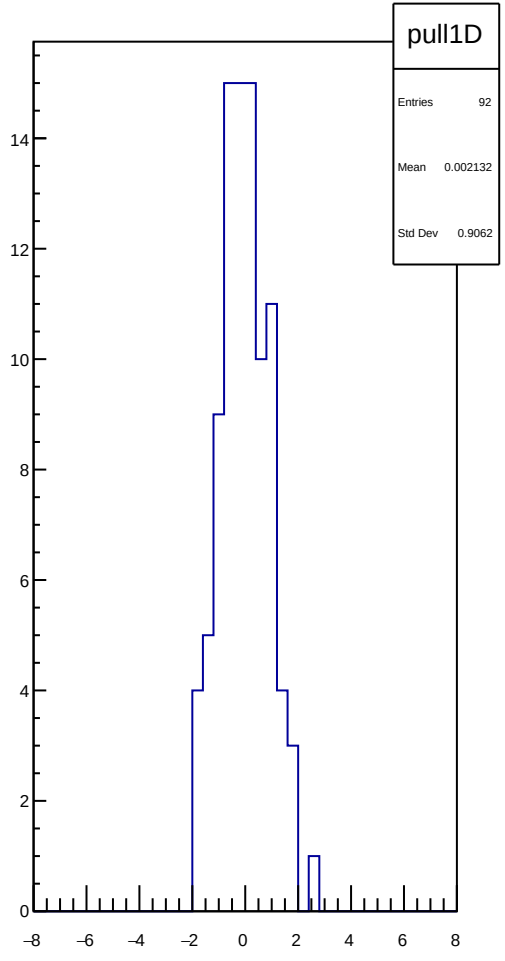

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.087e+05 / 91
p0 5.96e−11 ± 5.916e−14
0.6
0.5
0.4
0.3
0.2
0.1

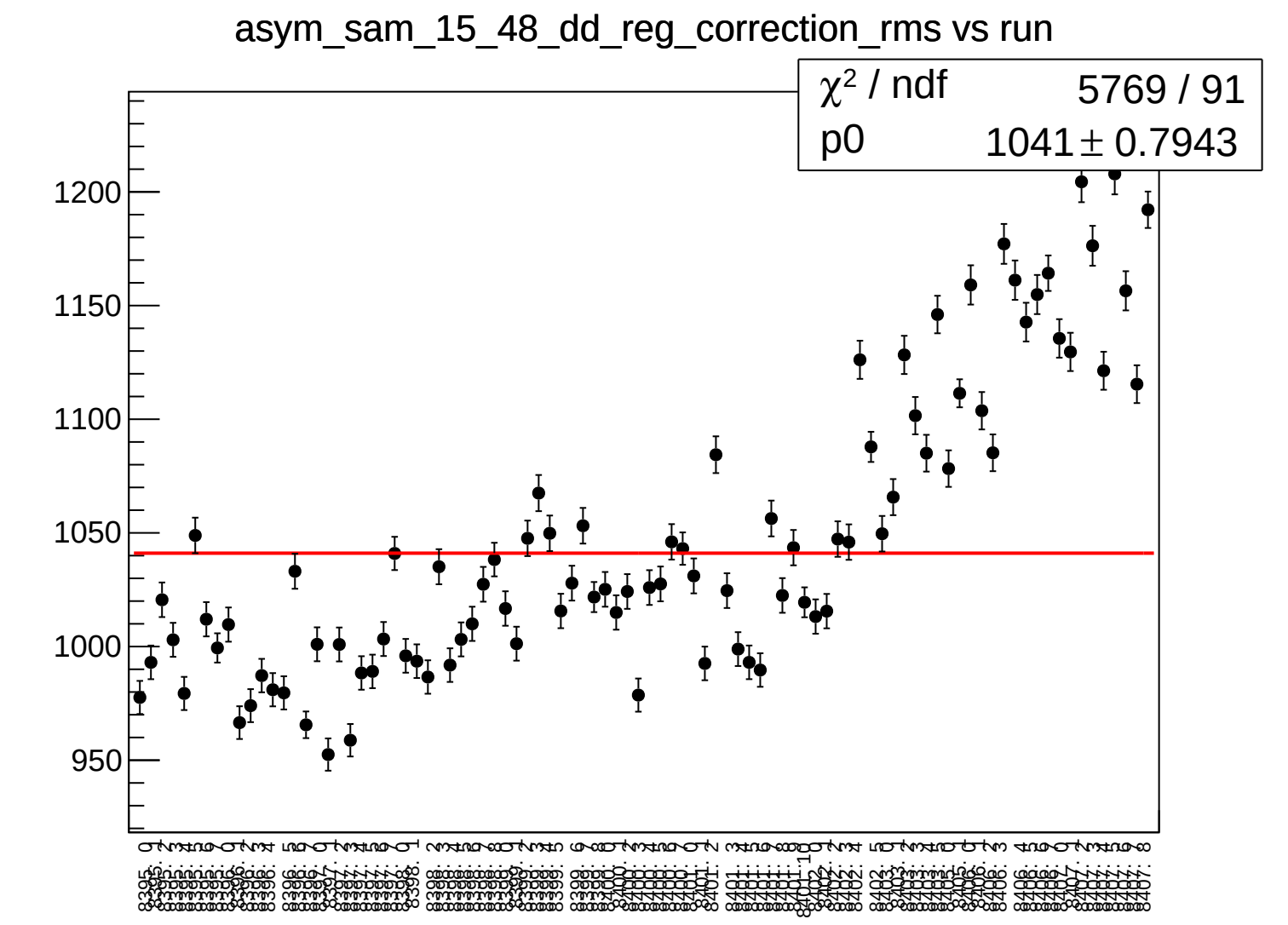

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.29 / 91
p0 138.7 ± 65.42
pull
Entries 92
Mean −276.2
Std Dev 0

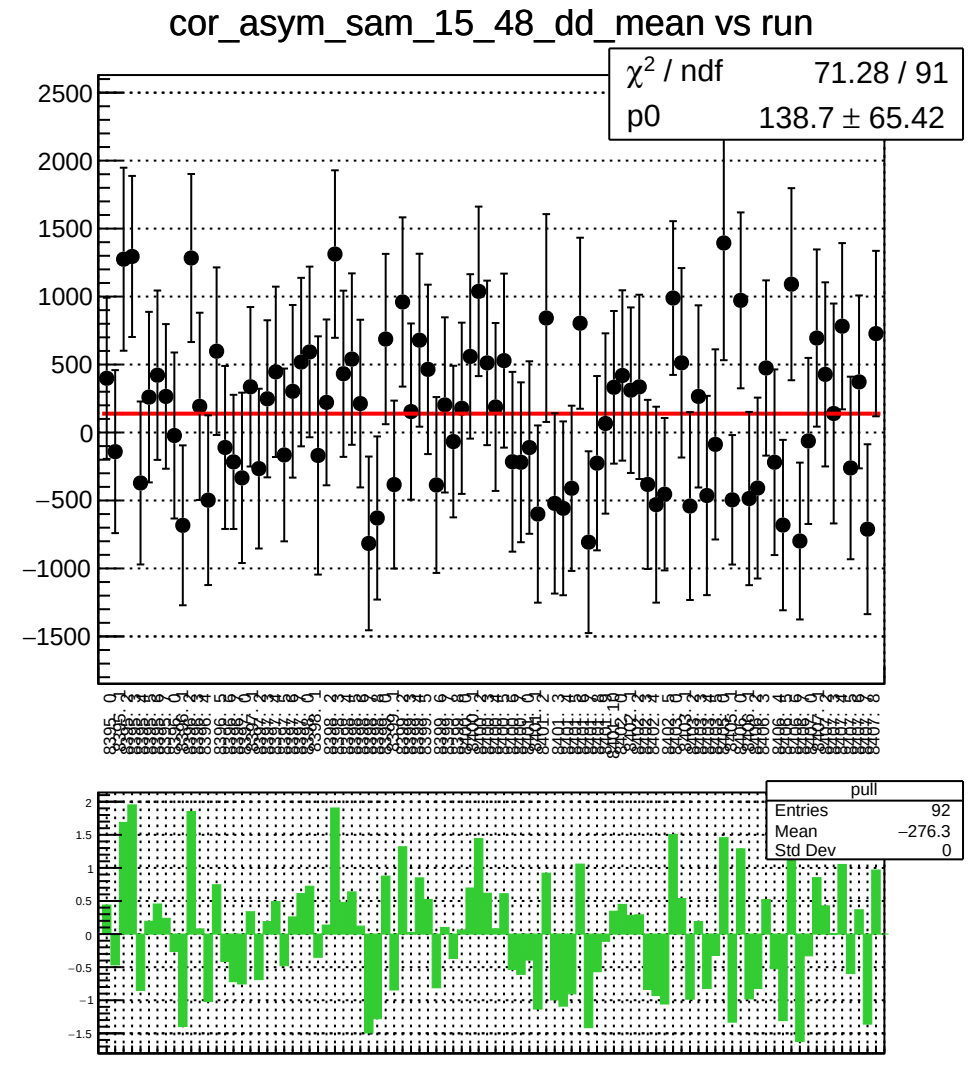

pull1D
Entries 92
Mean 0.008871
Std Dev 0.8802

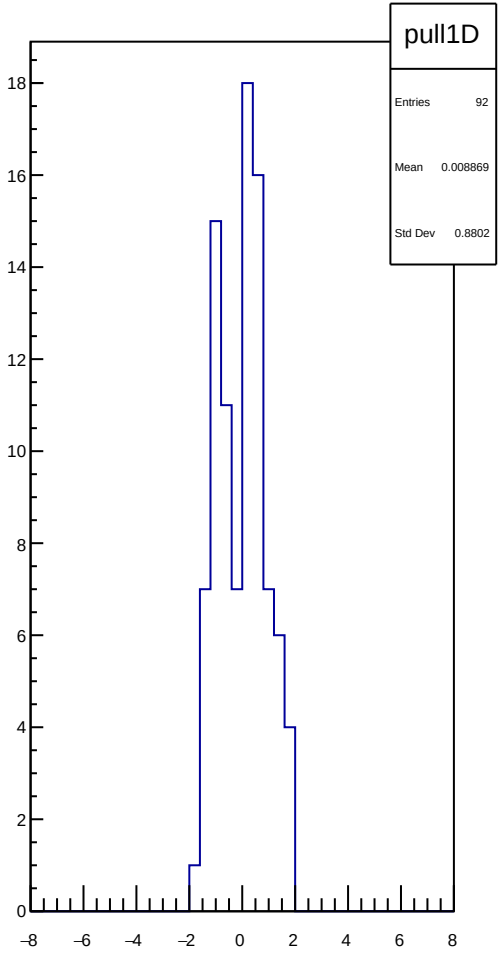

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 7936 / 91
p0 60.59 ± 0.04626
85
80
75
70
65
60
55

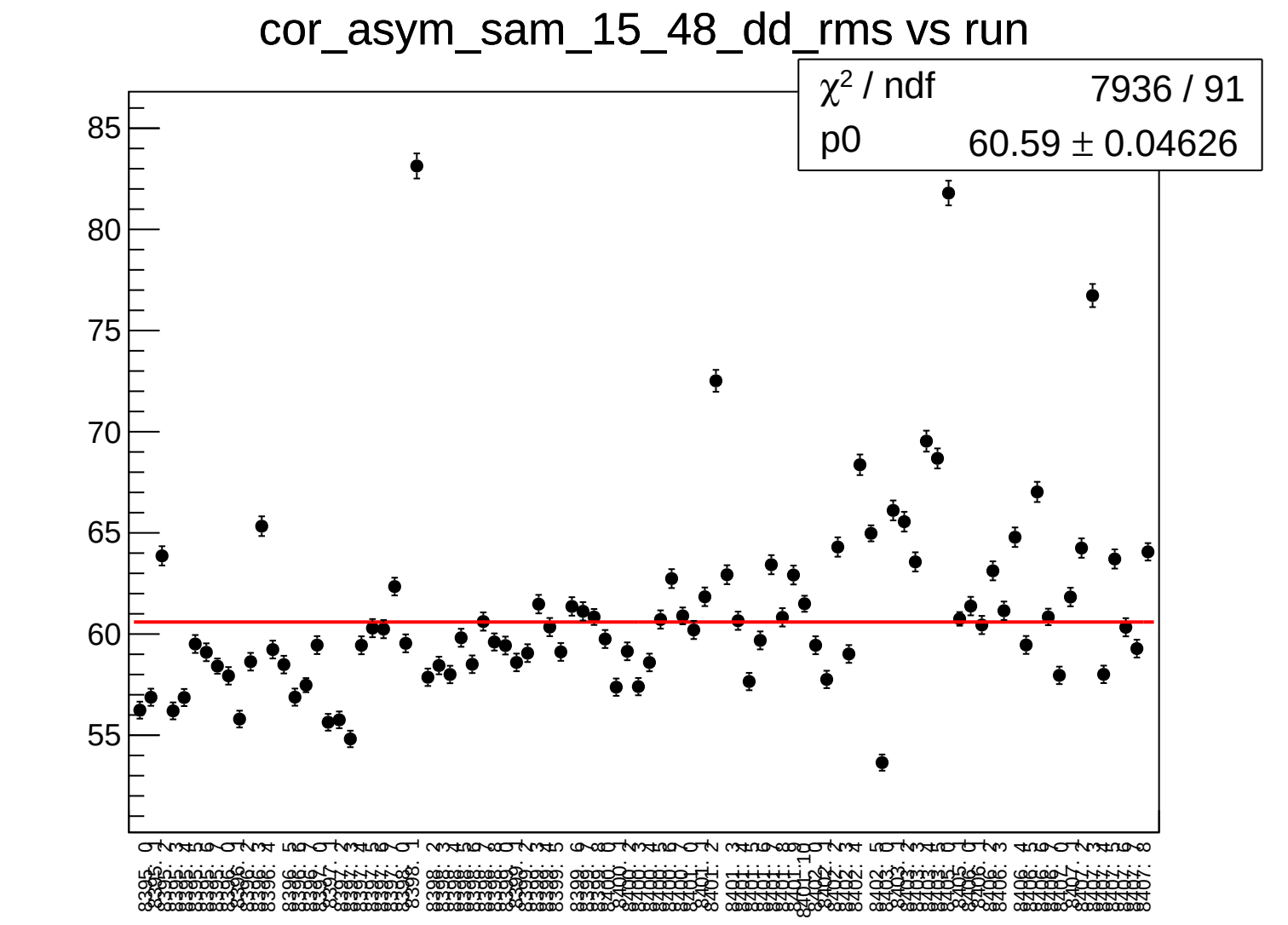

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 75.55 / 91
p0 1009 ± 1123
pull
Entries 92
Mean 210.8
Std Dev 0

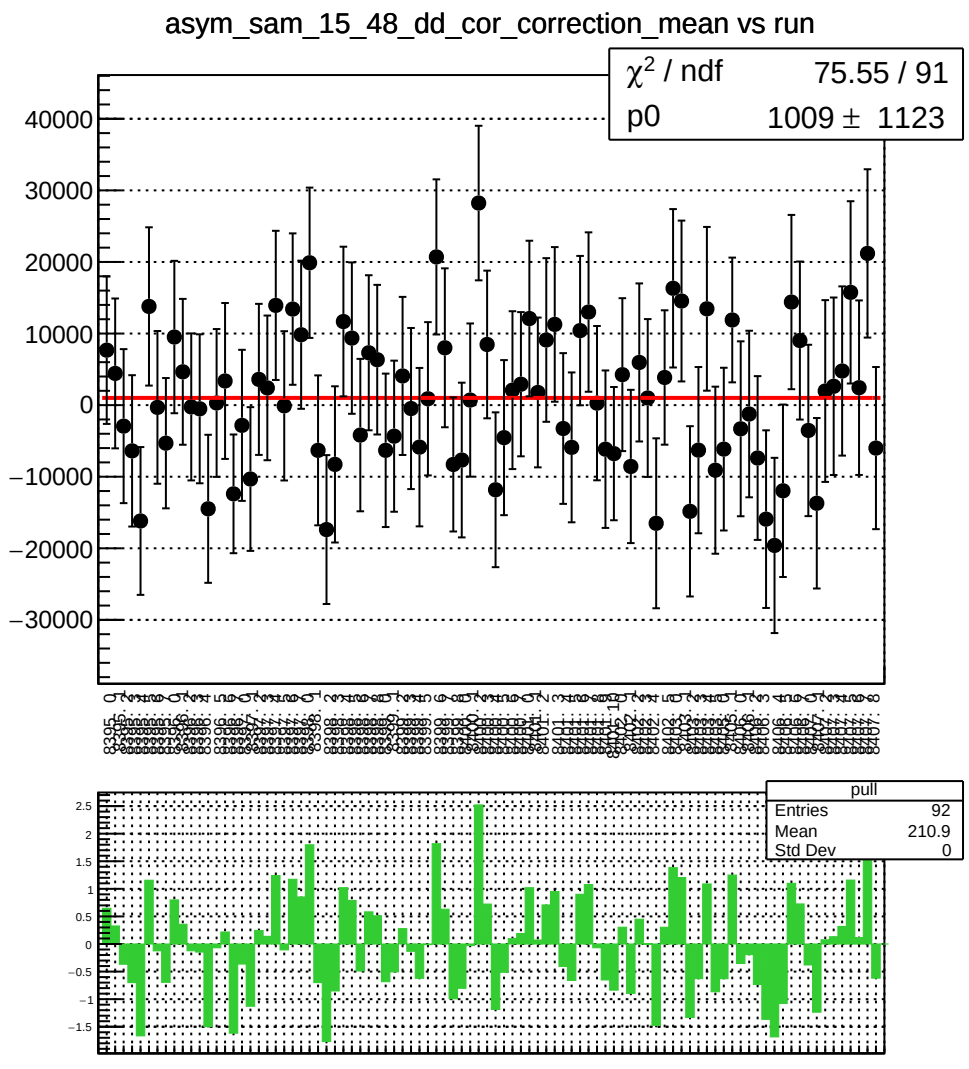

pull1D
Entries 92
Mean 0.002132
Std Dev 0.9062

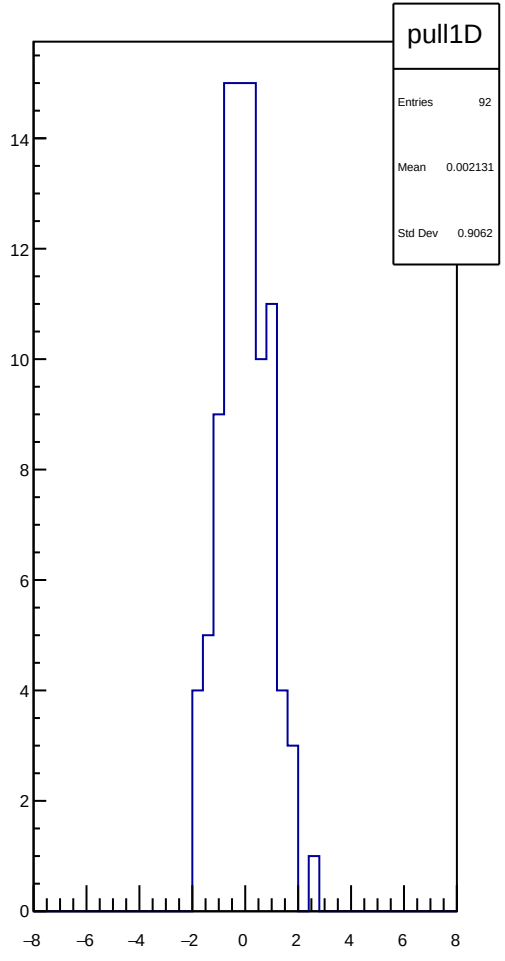

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 5769 / 91
p0 1041 ± 0.7943
1200
1150
1100
1050
1000
950

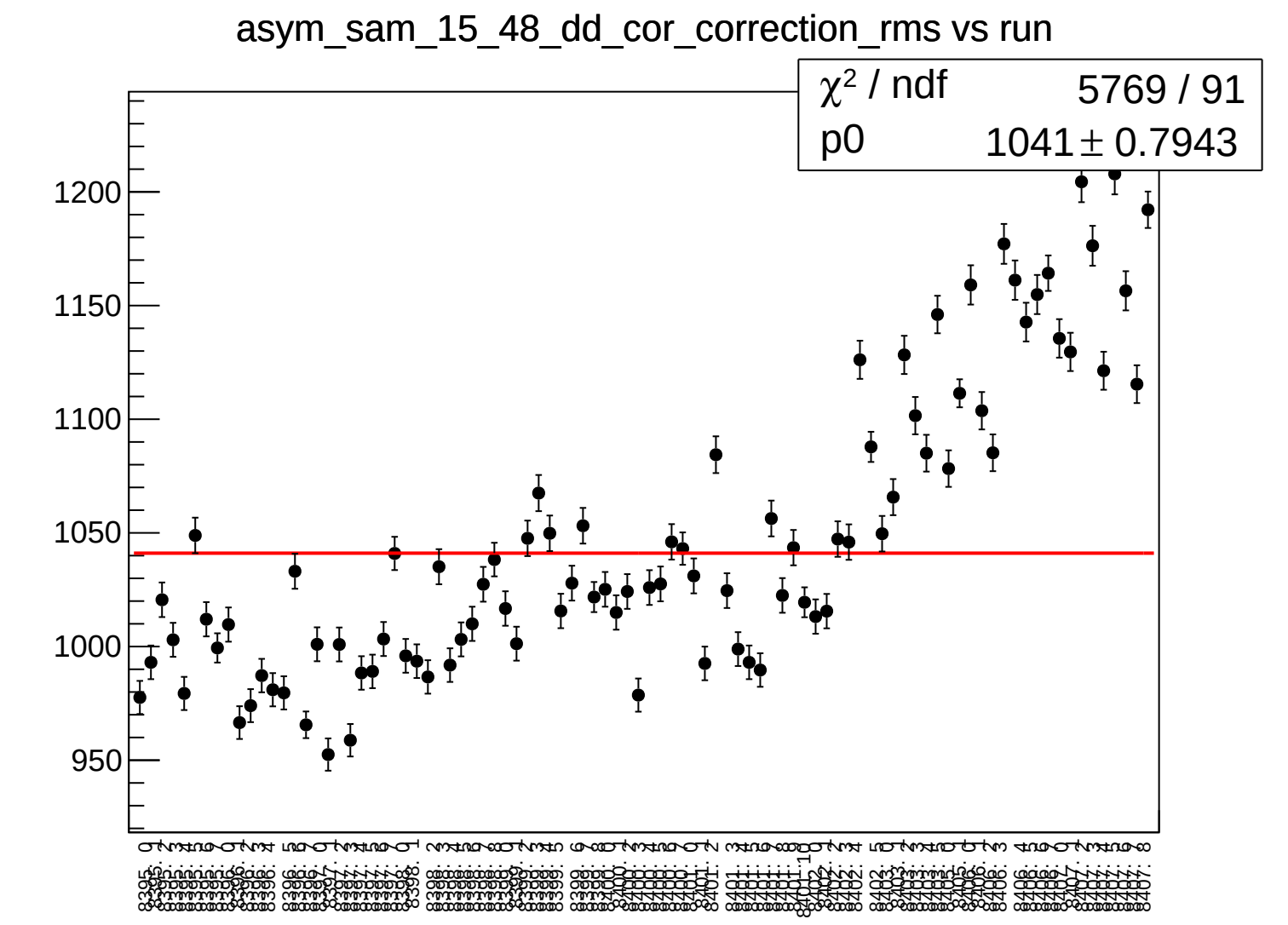

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.28 / 91
p0 138.7 ± 65.42
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 92
Mean −276.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

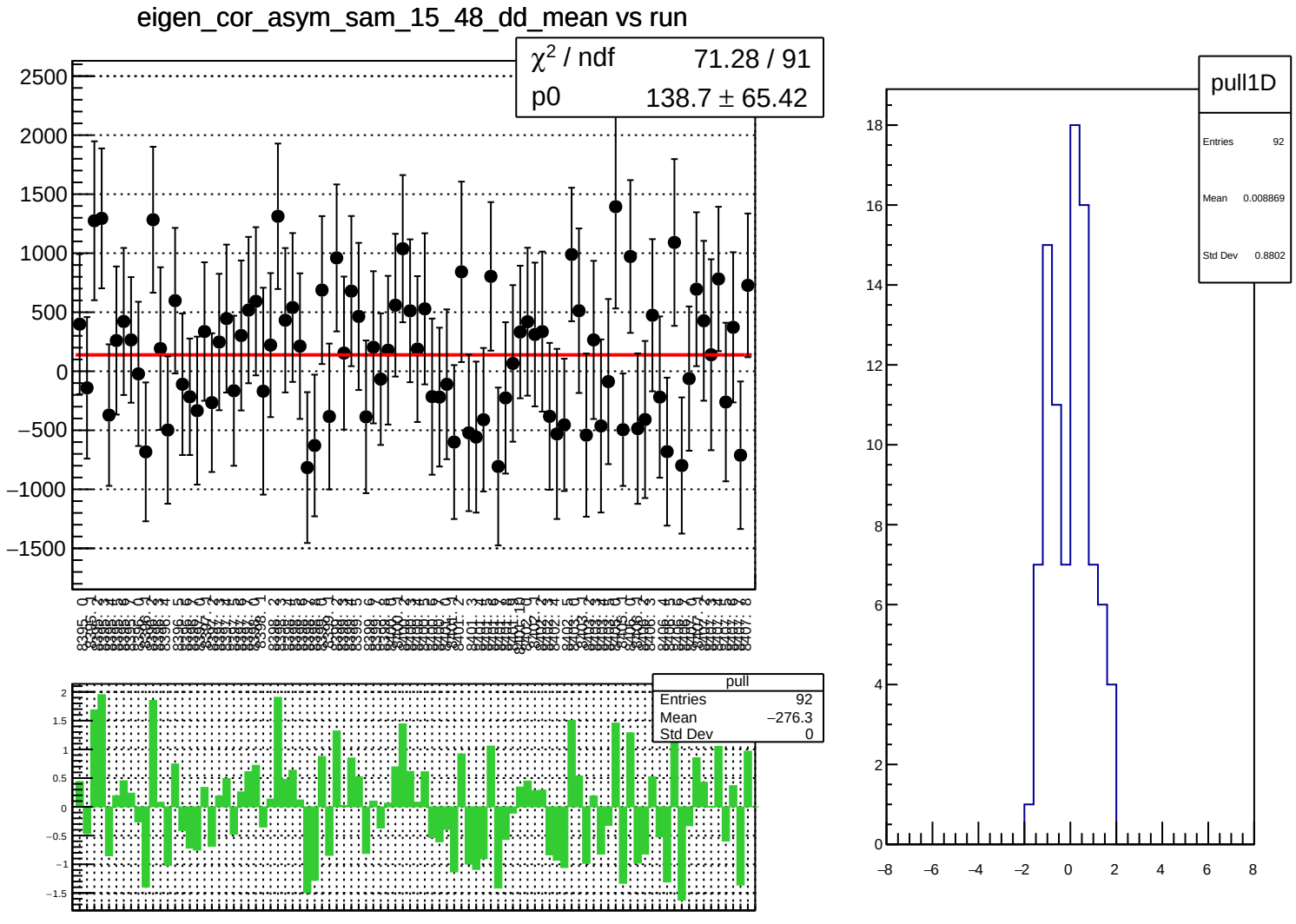

pull1D
Entries 92
Mean 0.008869
Std Dev 0.8802
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

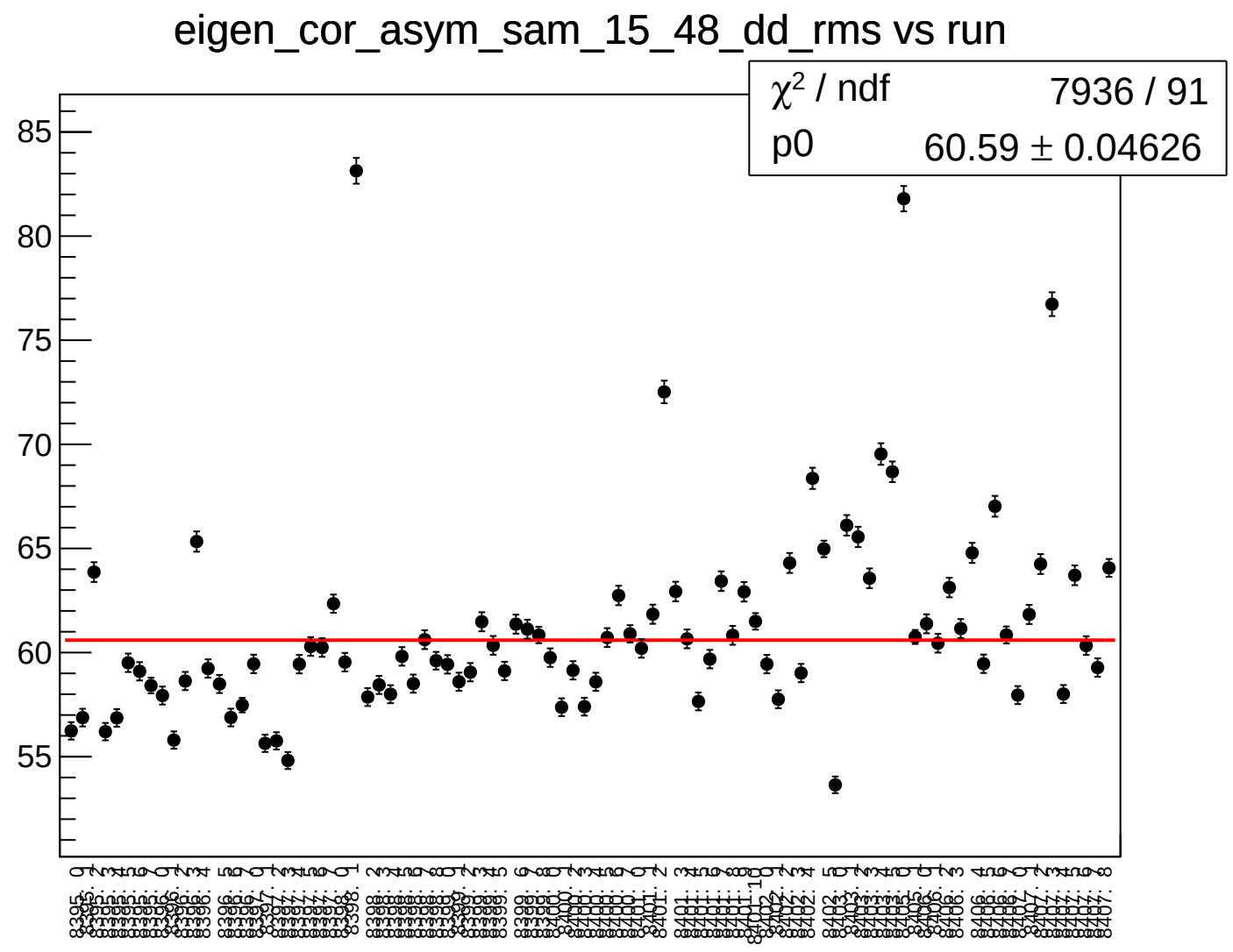

cor_asym_sam_15_48_dd_rms vs run
$\chi^2$ / ndf 7936 / 91
p0 60.59 ± 0.04626
85
80
75
70
65
60
55

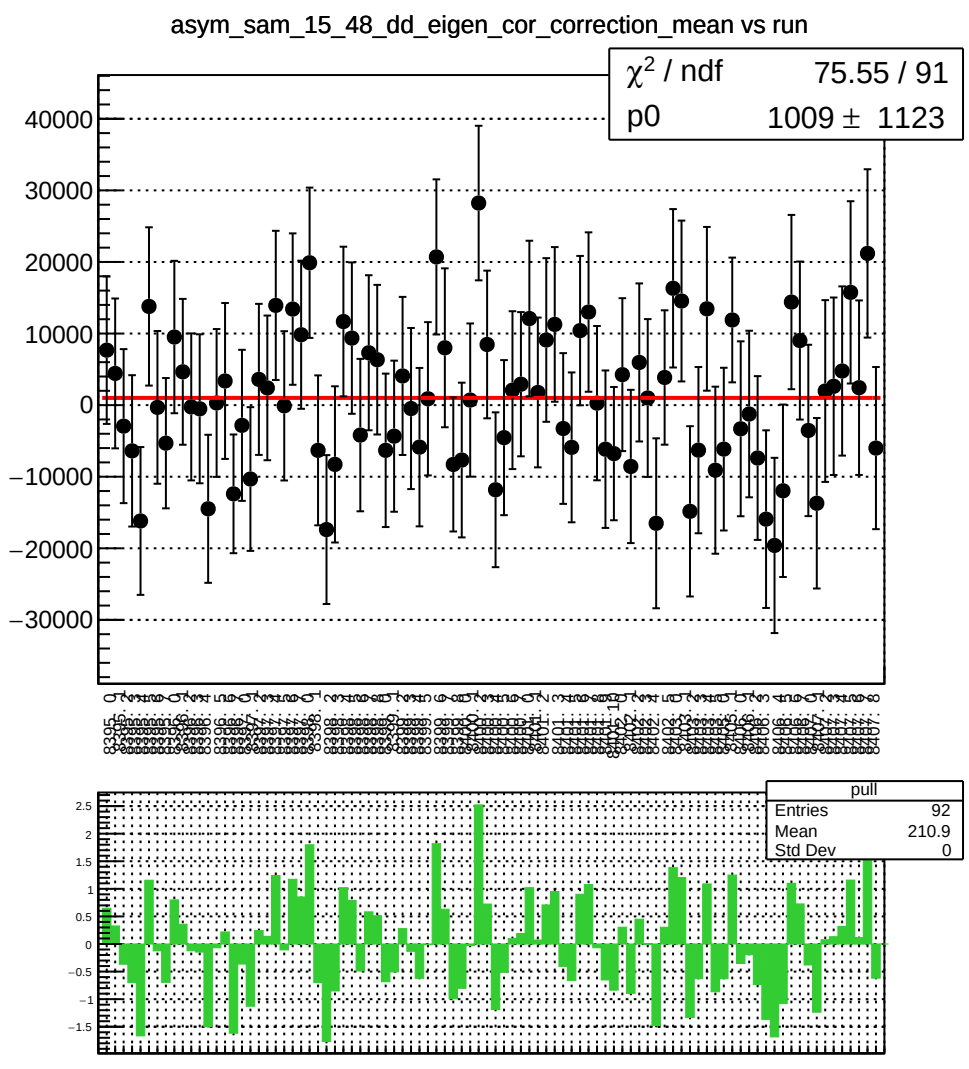

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 75.55 / 91
p0 1009 ± 1123
pull
Entries 92
Mean 210.9
Std Dev 0

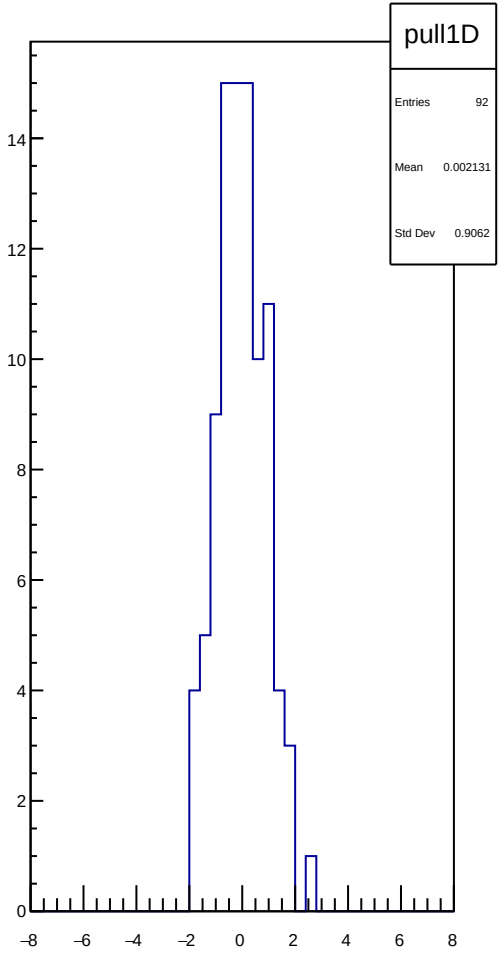

pull1D
Entries 92
Mean 0.002131
Std Dev 0.9062

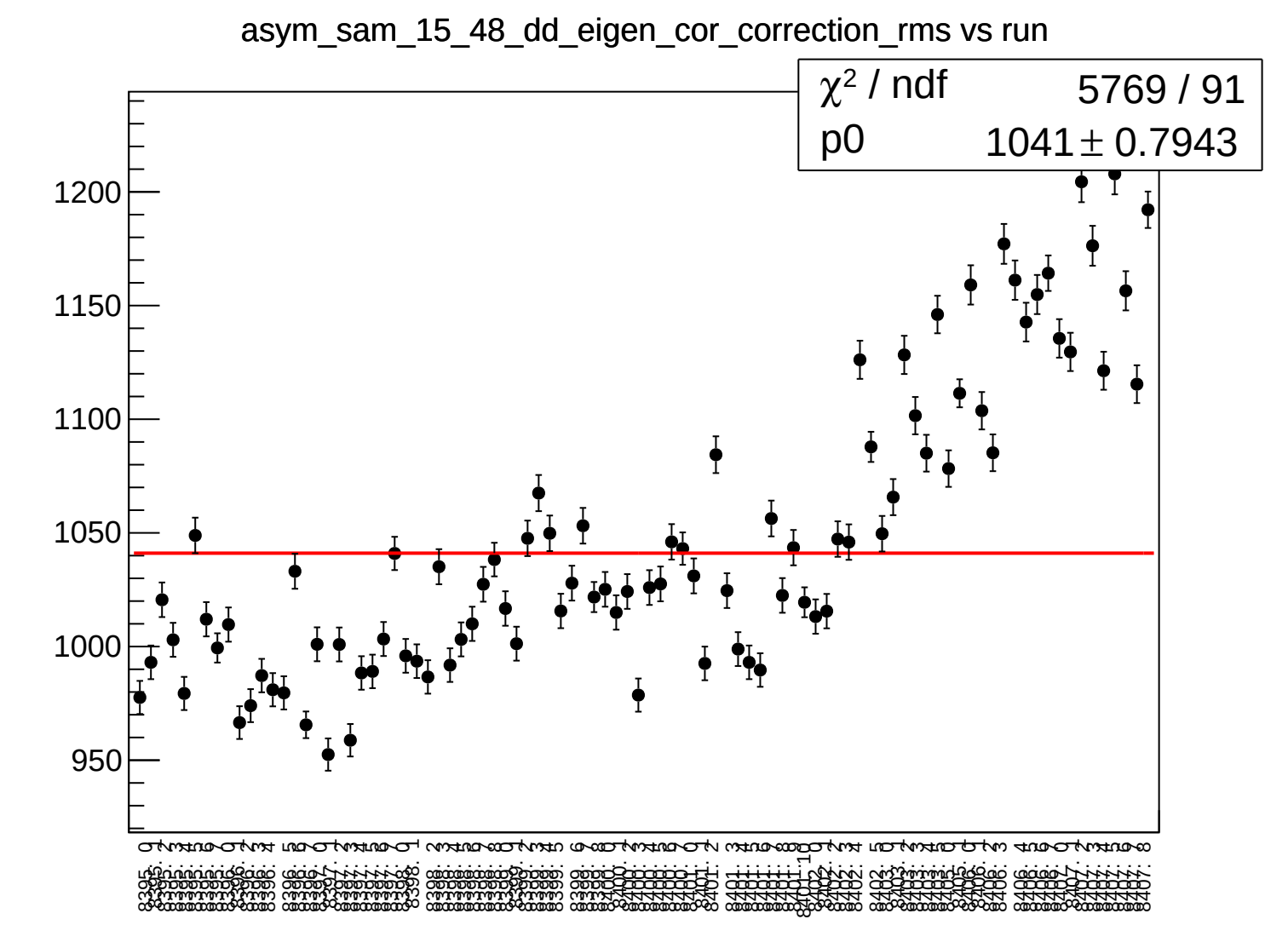

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 5769 / 91
p0 1041 ± 0.7943
1200
1150
1100
1050
1000
950

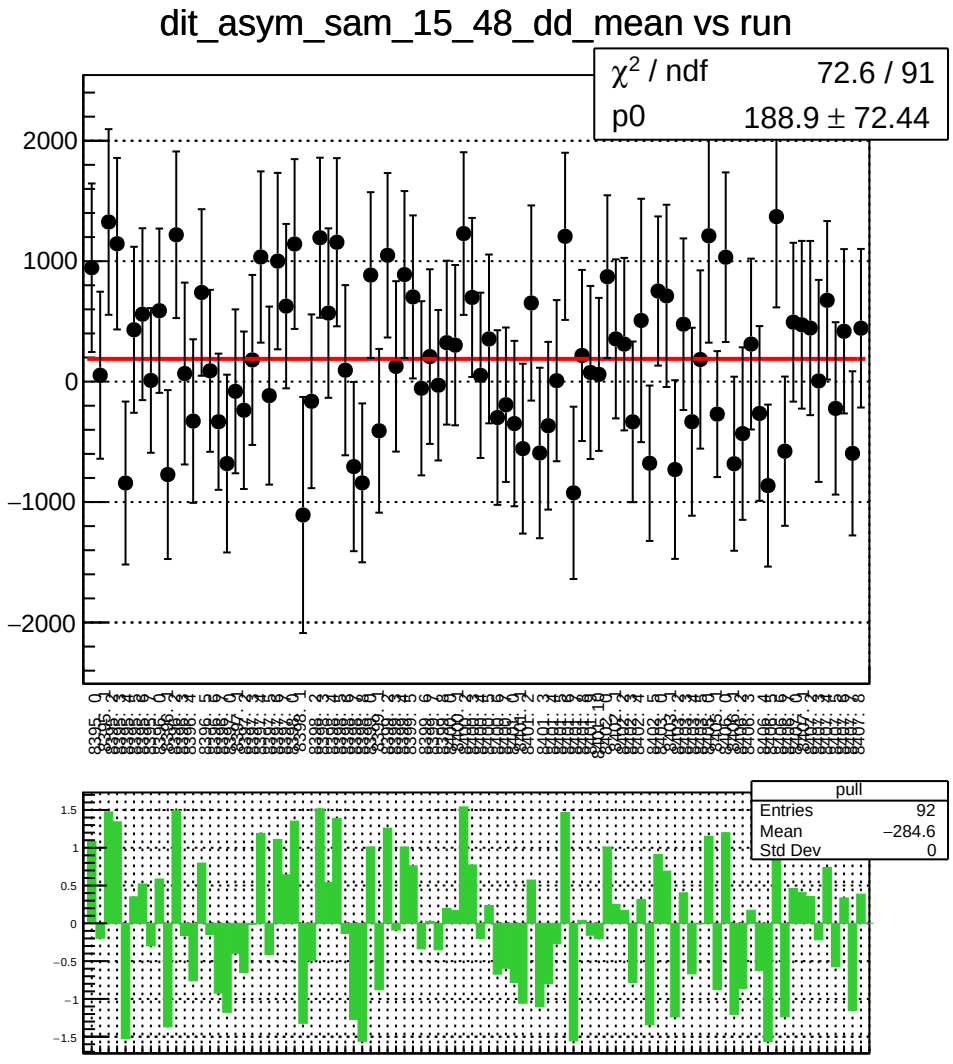

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 71.28 / 91
p0 138.7 ± 65.42
pull
Entries 92
Mean −276.3
Std Dev 0
pull1D
Entries 92
Mean 0.008869
Std Dev 0.8802

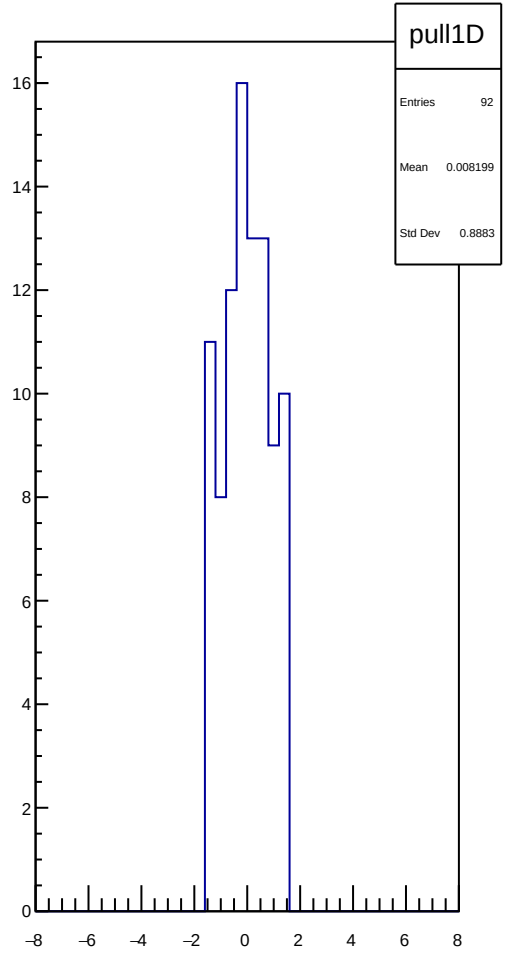

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 7936 / 91
p0 60.59 ± 0.04626
85
80
75
70
65
60
55

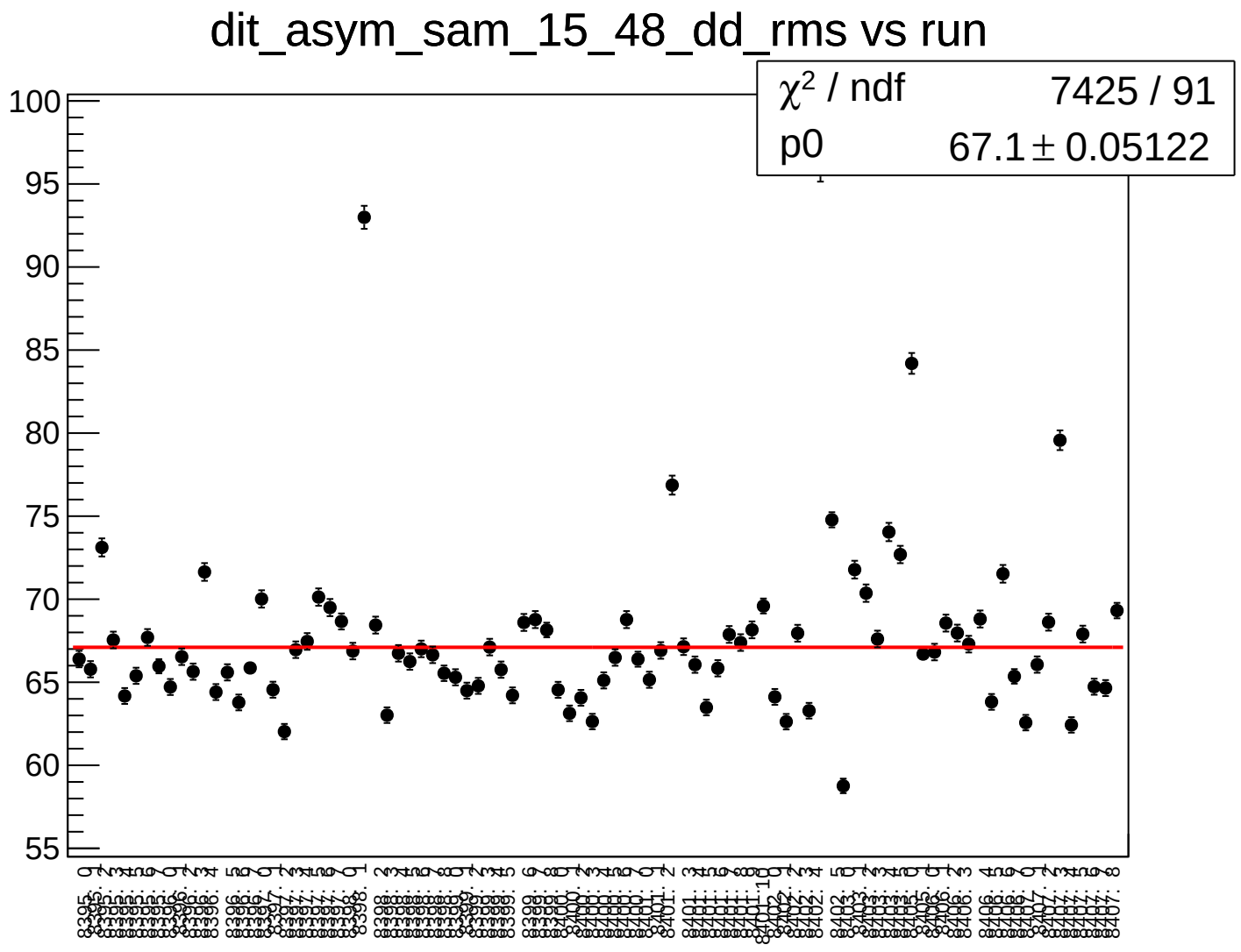

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 75.55 / 91
p0 1009 ± 1123
pull
Entries 92
Mean 210.9
Std Dev 0

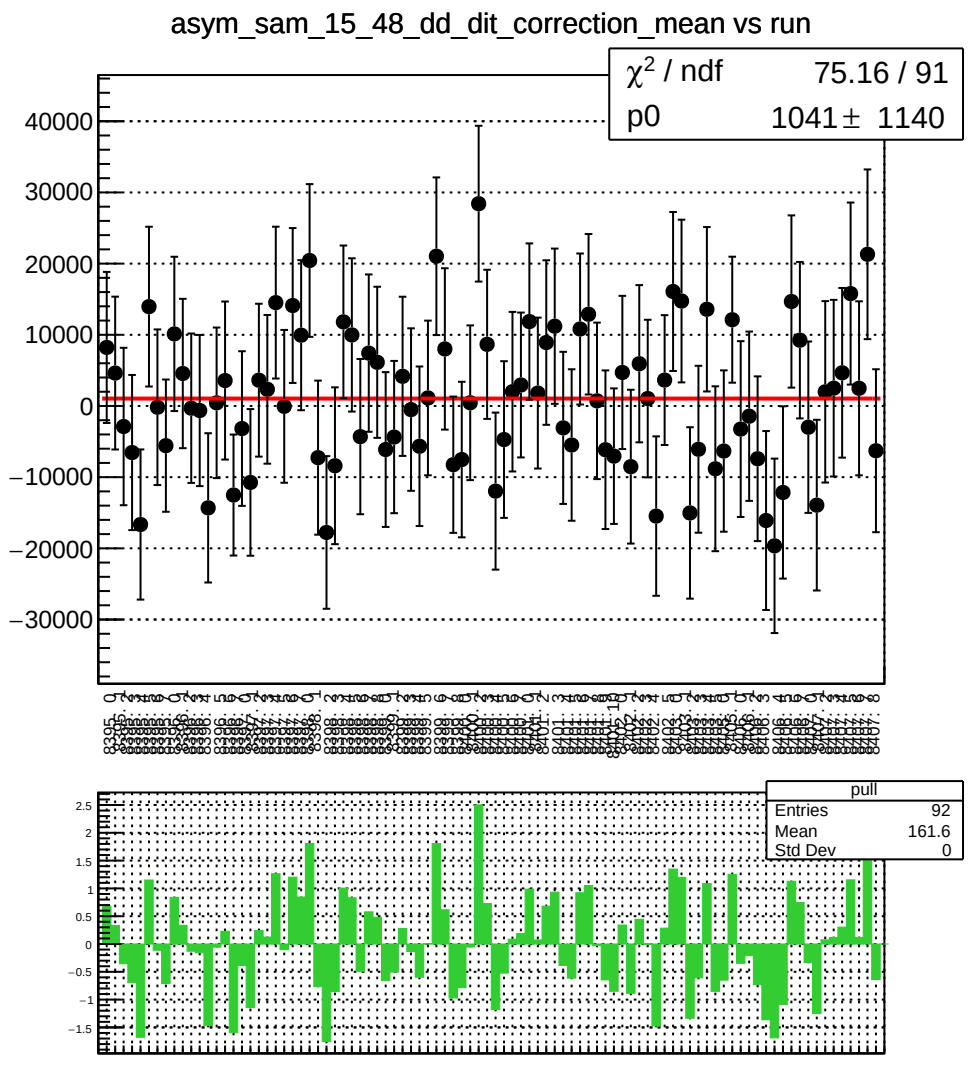

pull1D
Entries 92
Mean 0.002131
Std Dev 0.9062

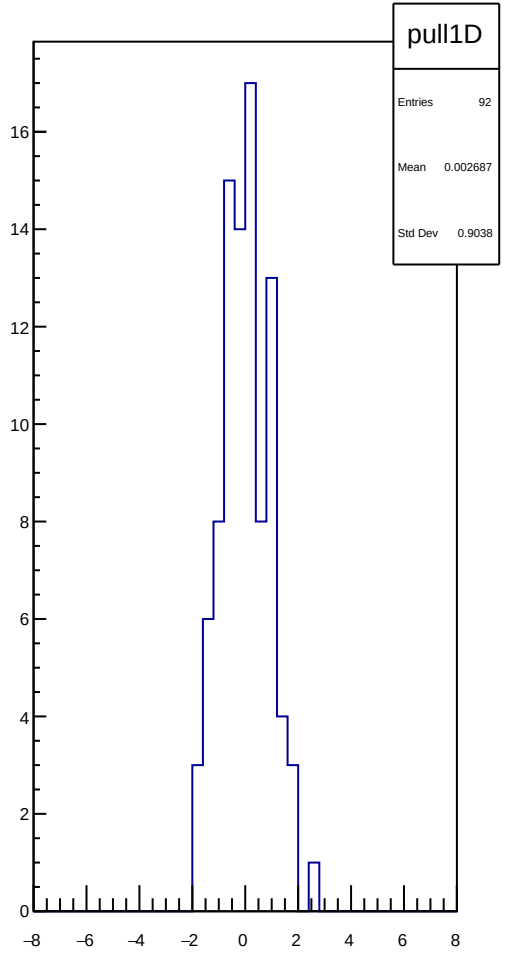

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 5769 / 91
p0 1041 ± 0.7943
1200
1150
1100
1050
1000
950

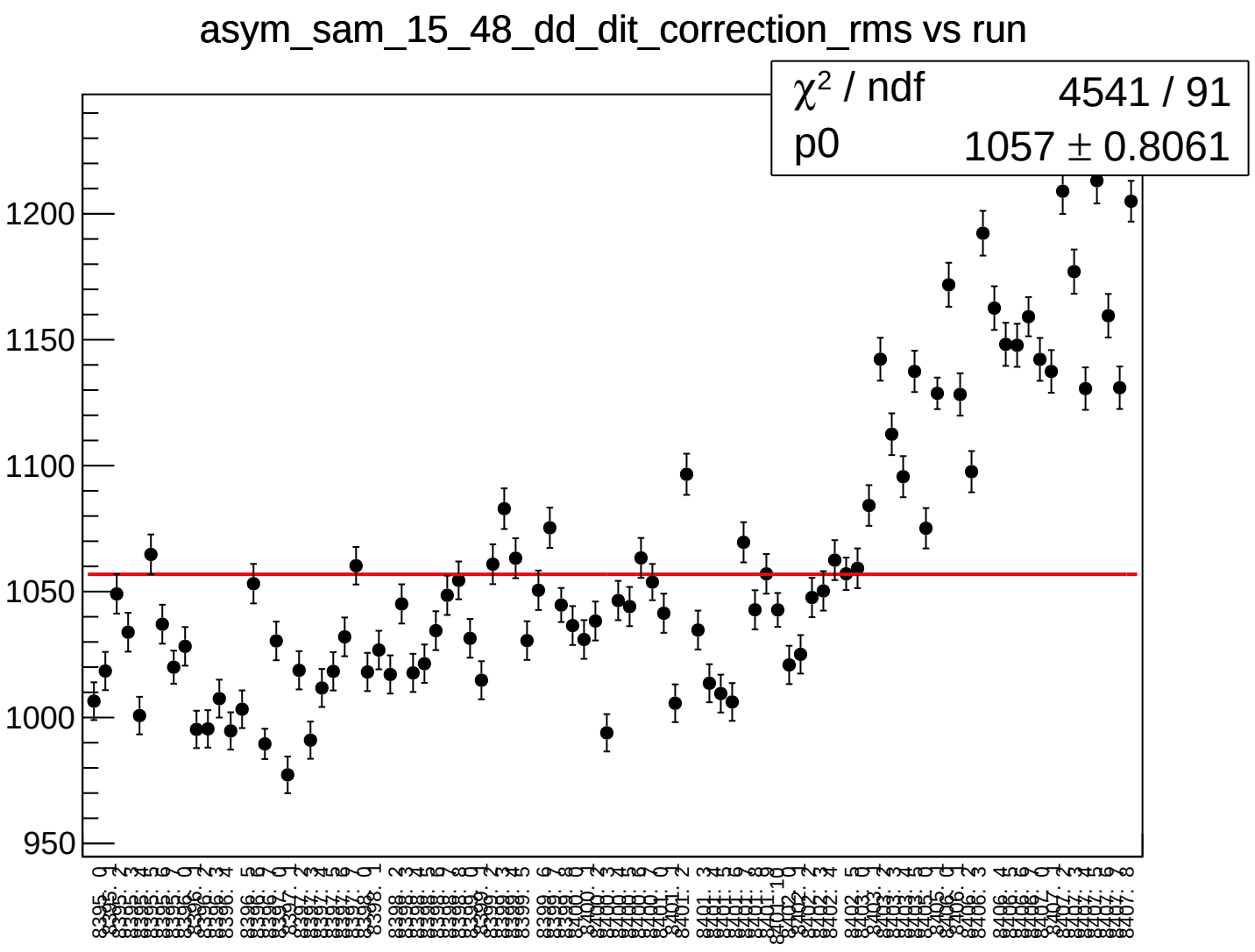

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 72.6 / 91
p0 188.9 ± 72.44
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −284.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

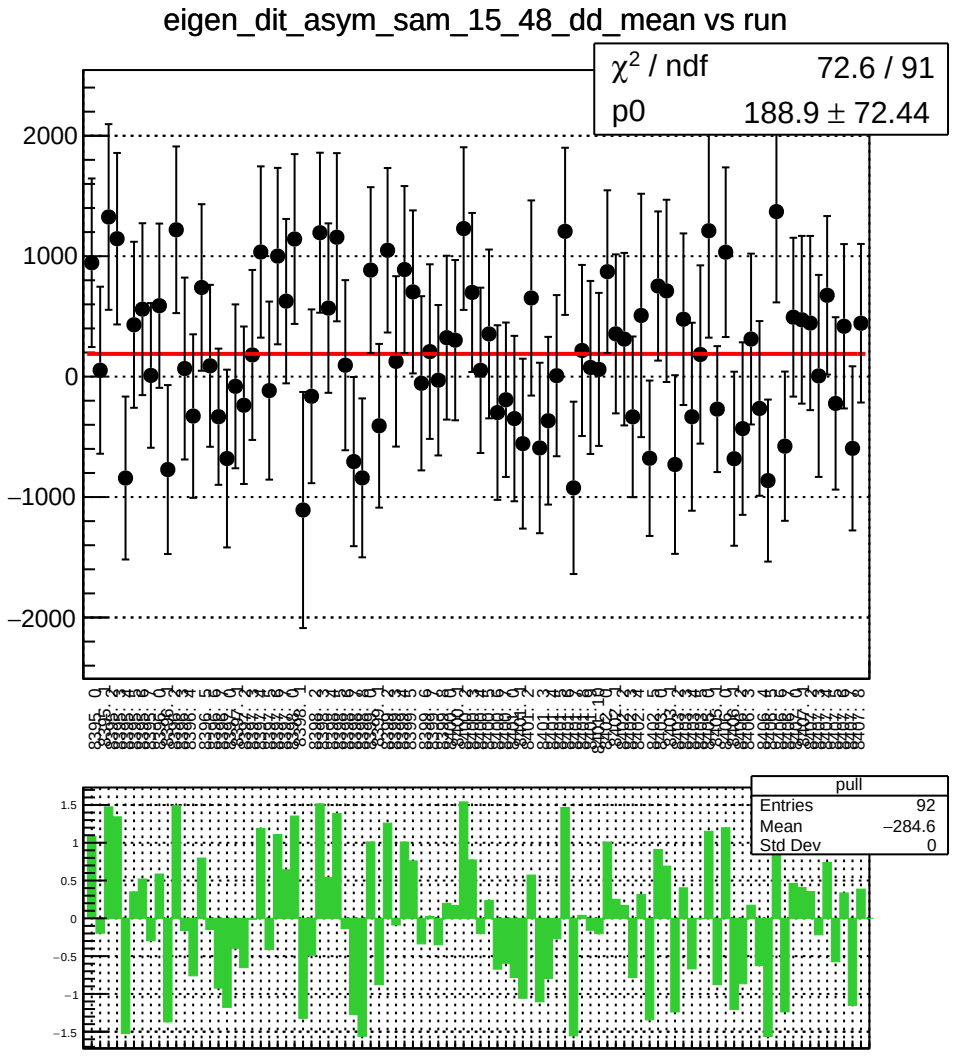

pull1D
Entries 92
Mean 0.008199
Std Dev 0.8883
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

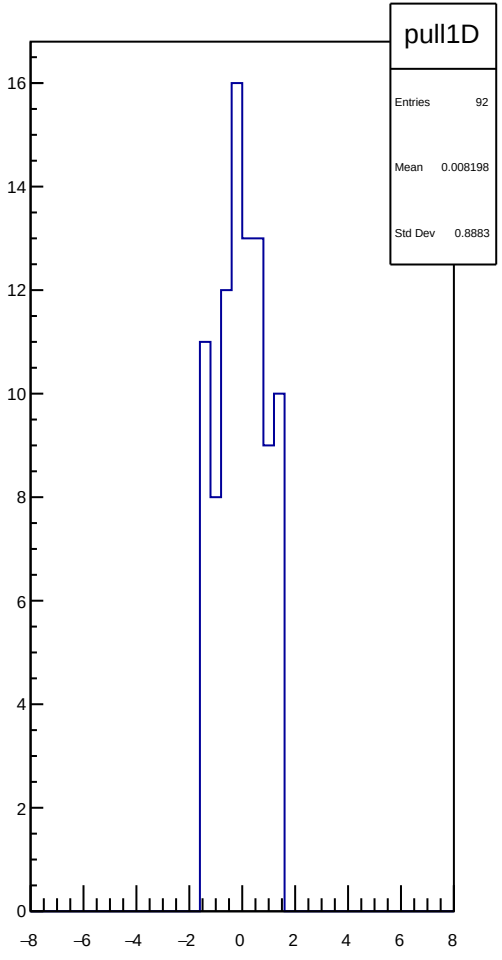

dit_asym_sam_15_48_dd_rms vs run
$\chi^2$ / ndf 7425 / 91
p0 67.1 ± 0.05122
100
95
90
85
80
75
70
65
60
55

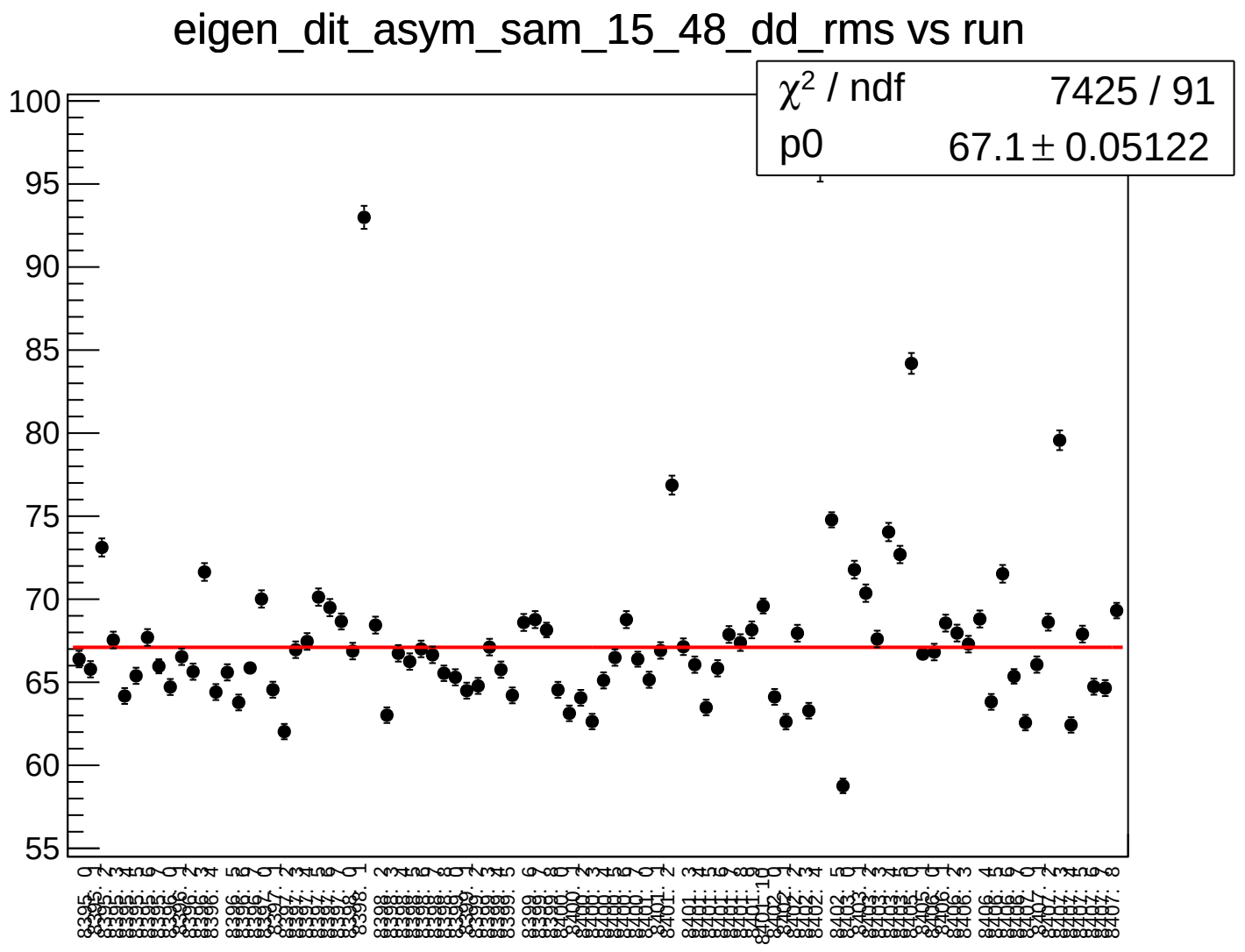

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 75.16 / 91
p0 1041 ± 1140
pull
Entries 92
Mean 161.6
Std Dev 0

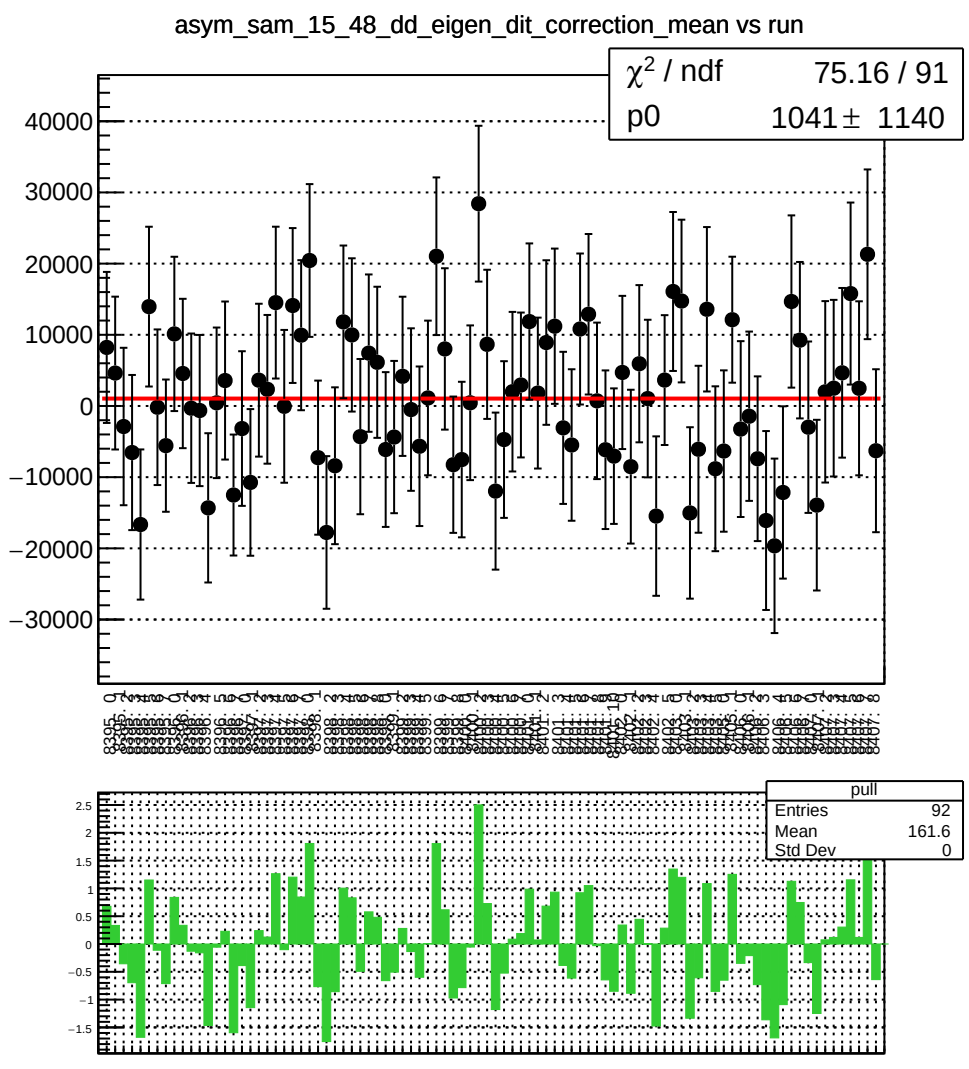

pull1D
Entries 92
Mean 0.002687
Std Dev 0.9038

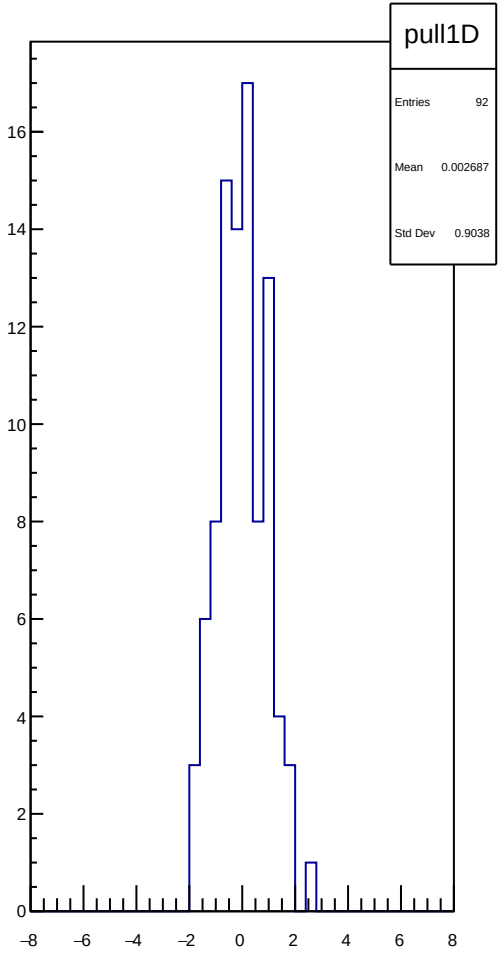

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 4541 / 91
p0 1057 ± 0.8061
1200
1150
1100
1050
1000
950

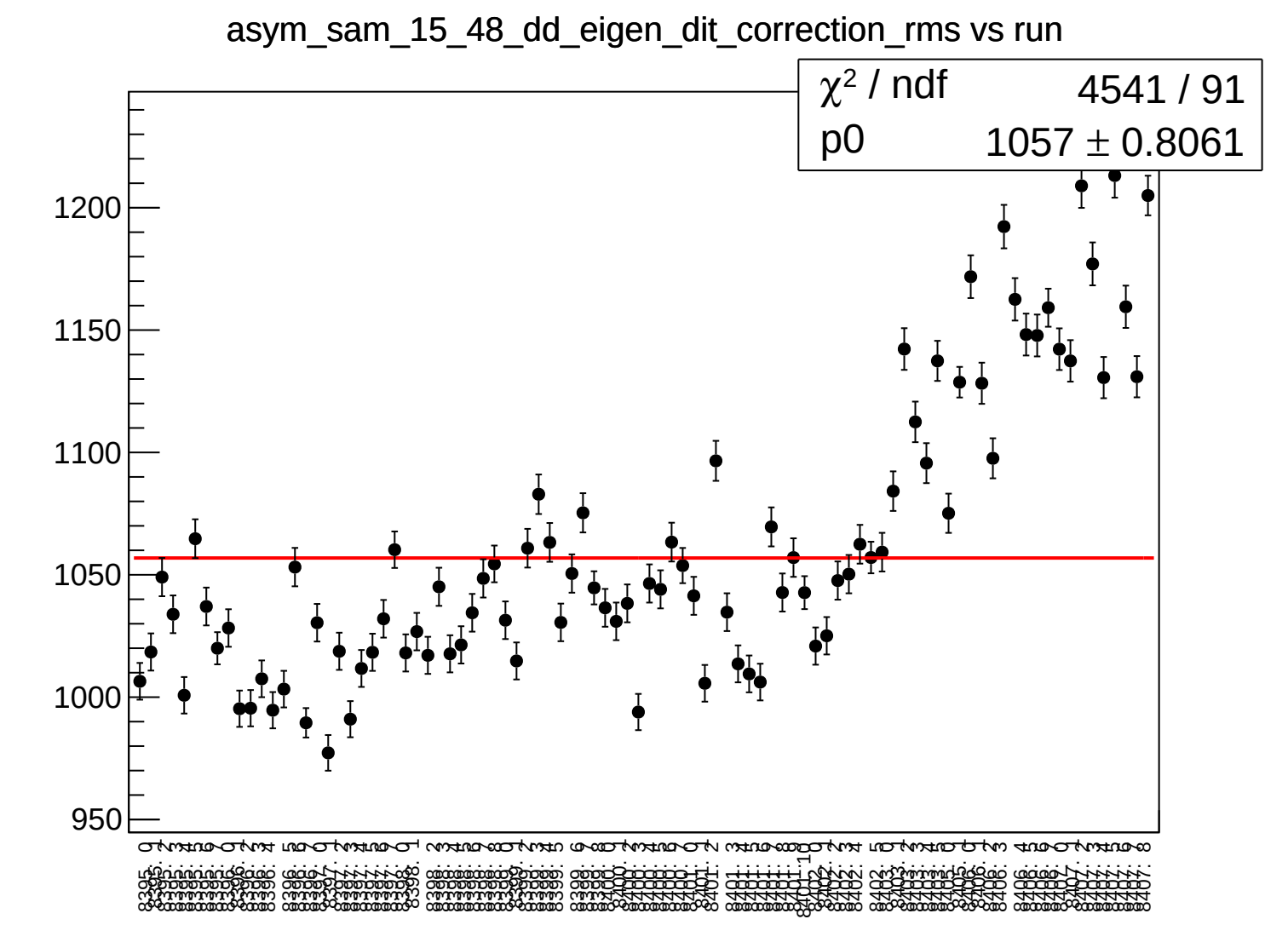

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 72.6 / 91
p0 188.9 ± 72.44
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −284.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

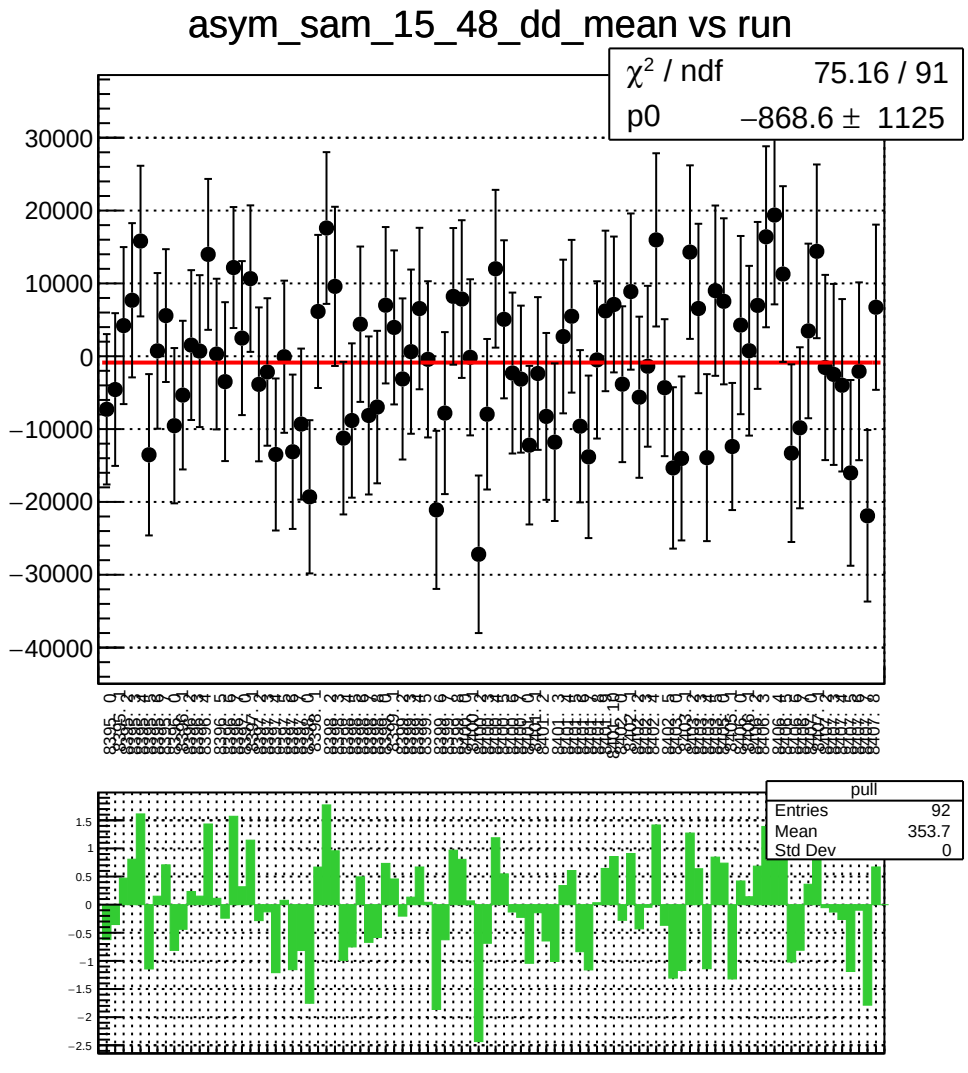

pull1D
Entries 92
Mean 0.008198
Std Dev 0.8883
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

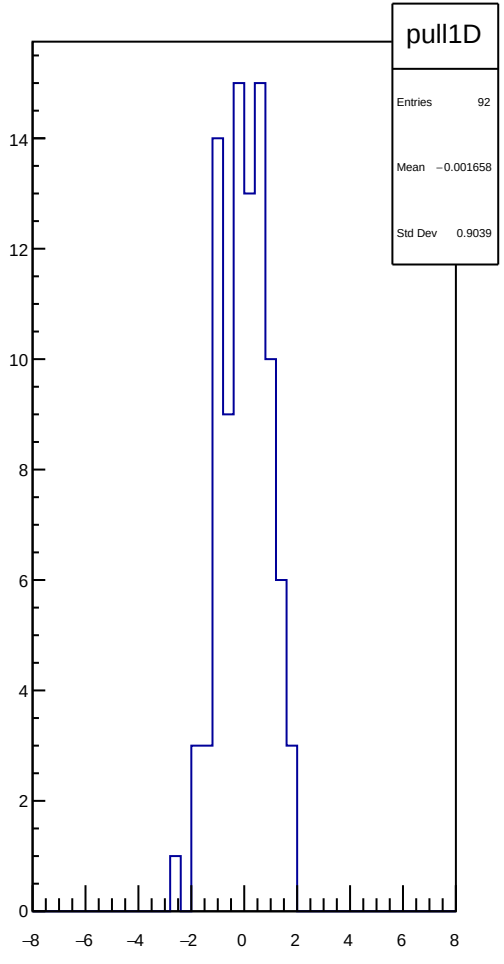

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 7425 / 91
p0 67.1 ± 0.05122
100
95
90
85
80
75
70
65
60
55

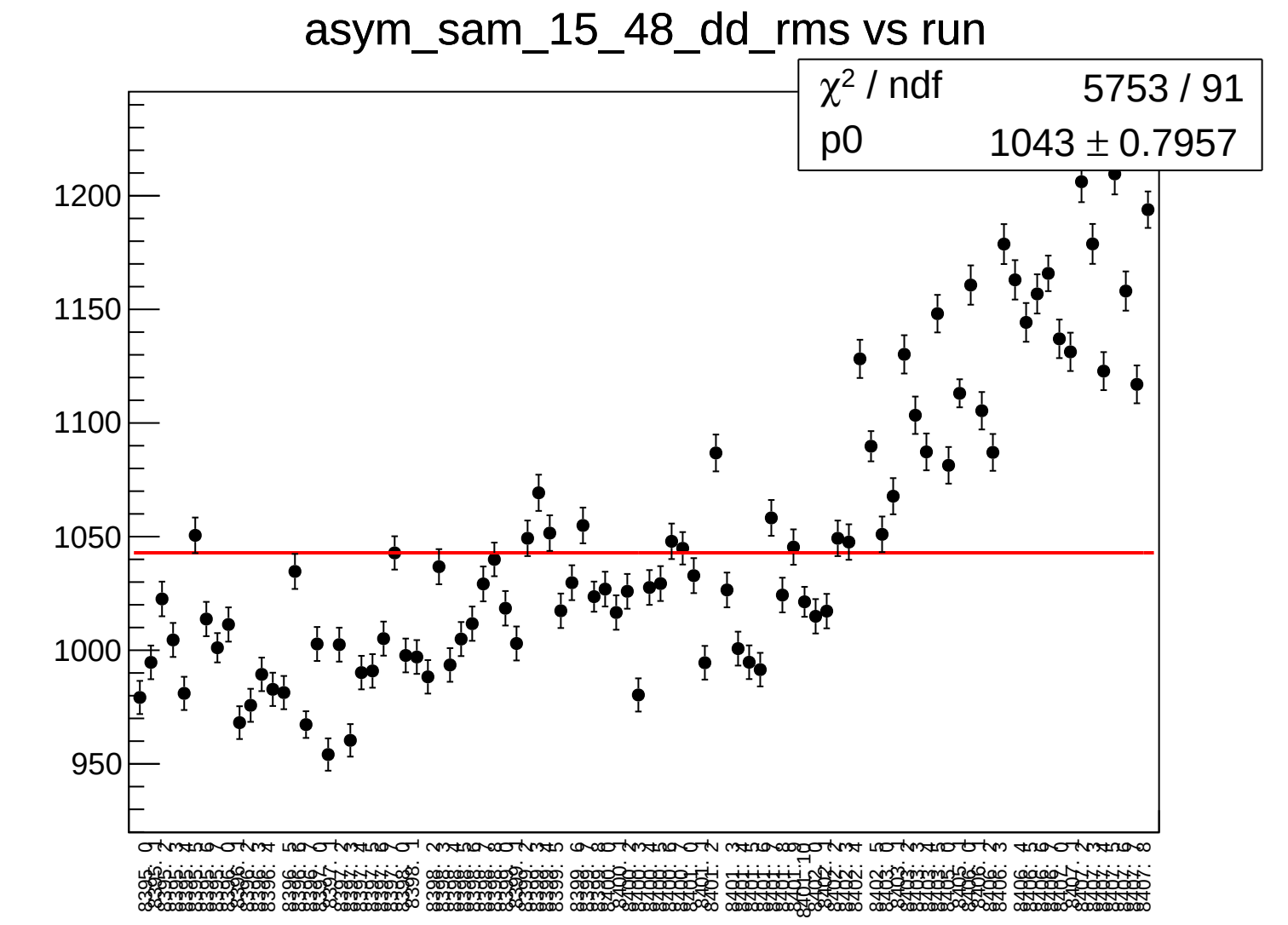

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.16 / 91
p0 1041 ± 1140
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 161.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

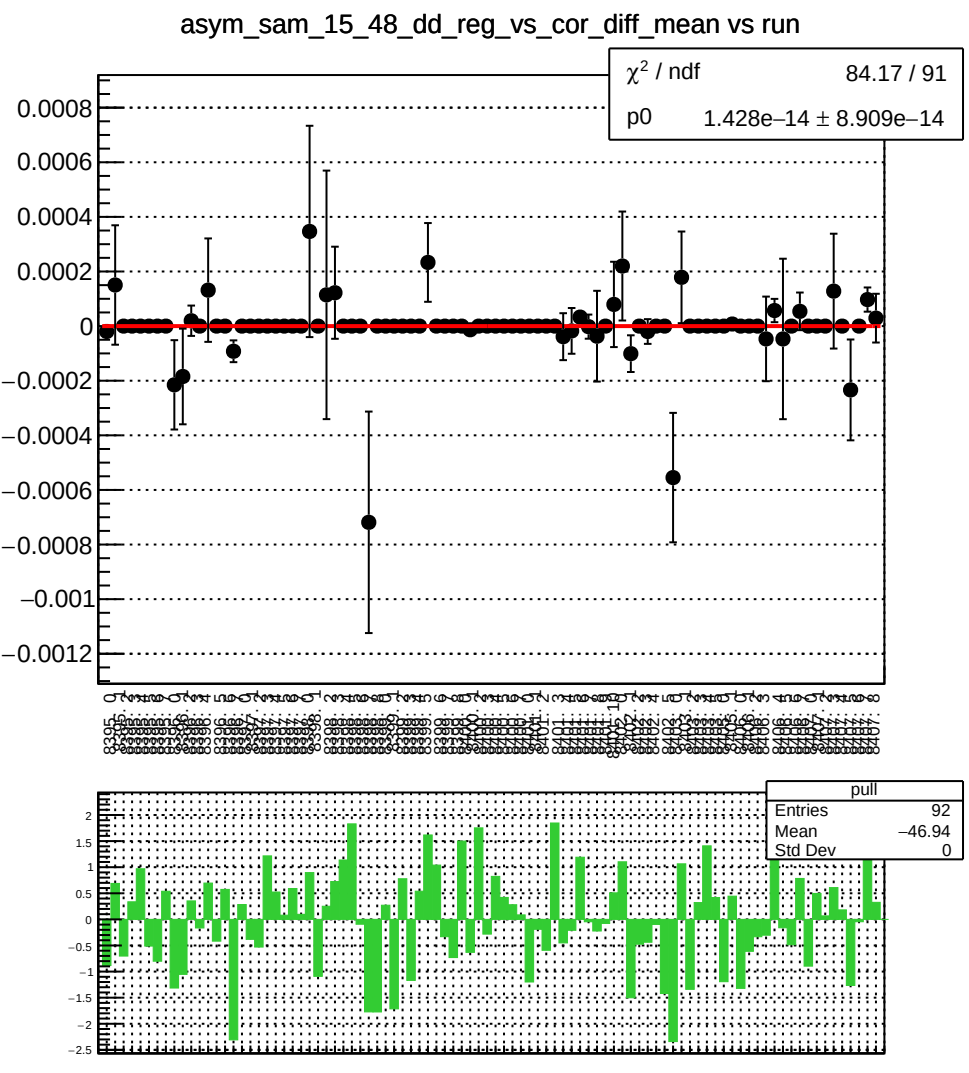

pull1D
Entries 92
Mean 0.002687
Std Dev 0.9038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

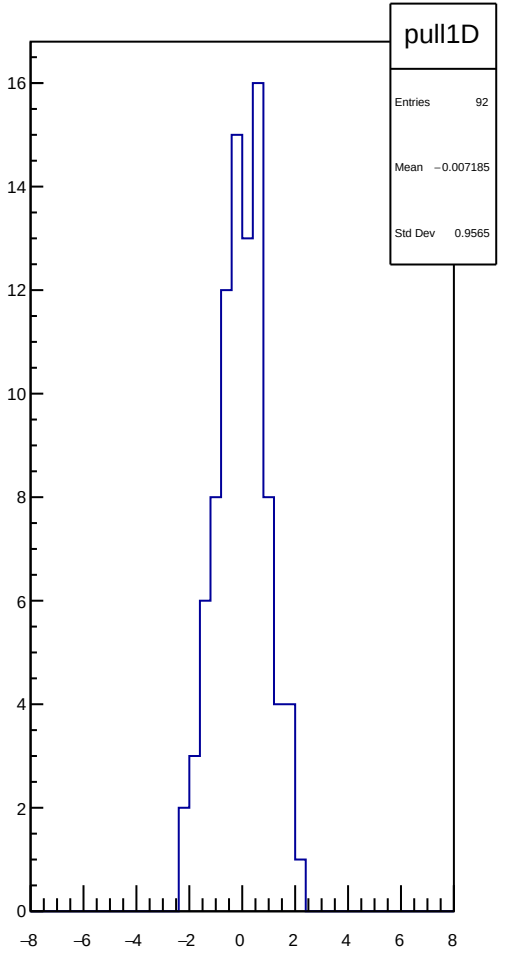

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4541 / 91
p0 1057 ± 0.8061
1200
1150
1100
1050
1000
950

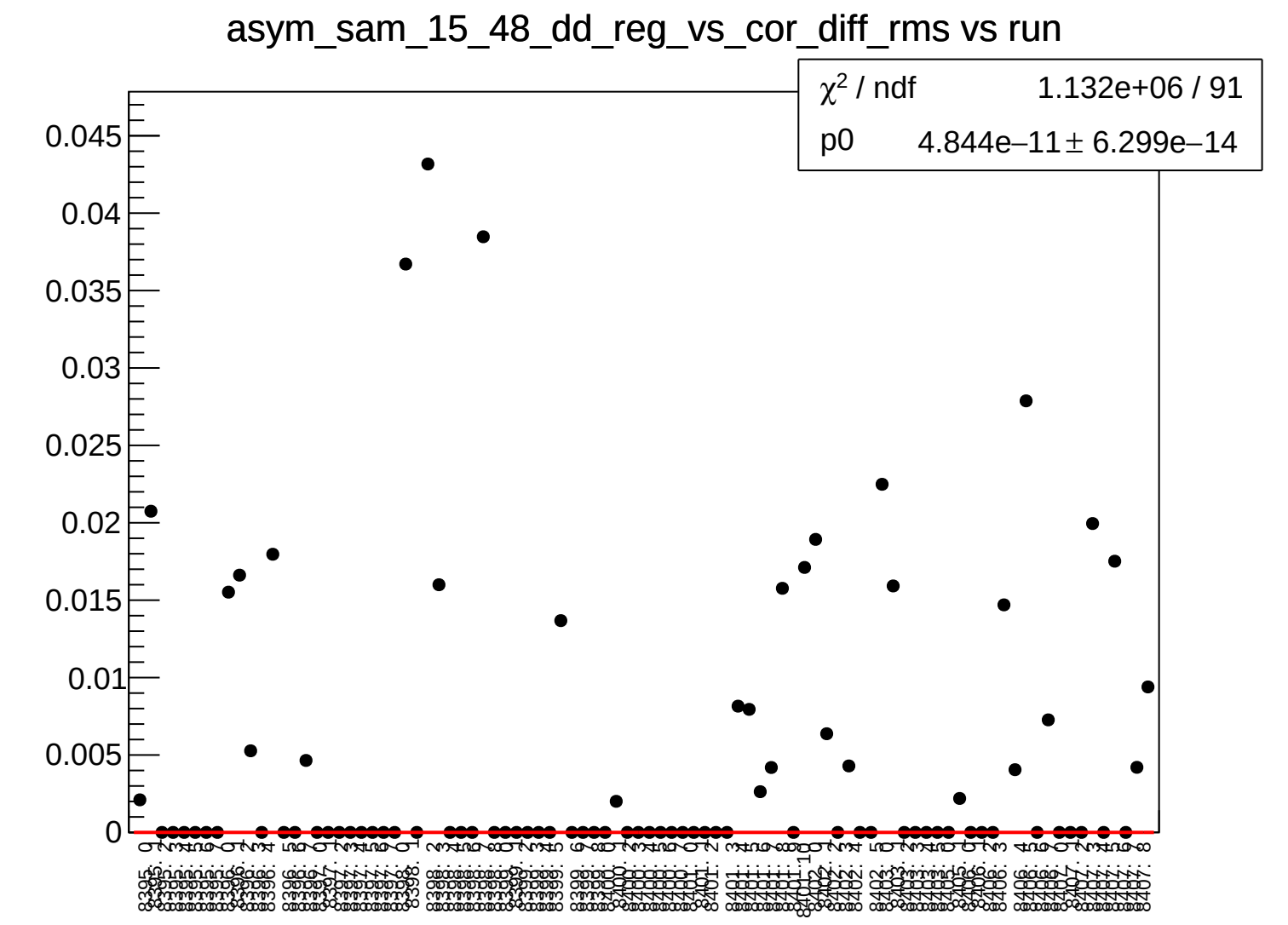

asym_sam_15_48_dd_mean vs run
χ² / ndf 75.16 / 91
p0 −868.6 ± 1125
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 92
Mean 353.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

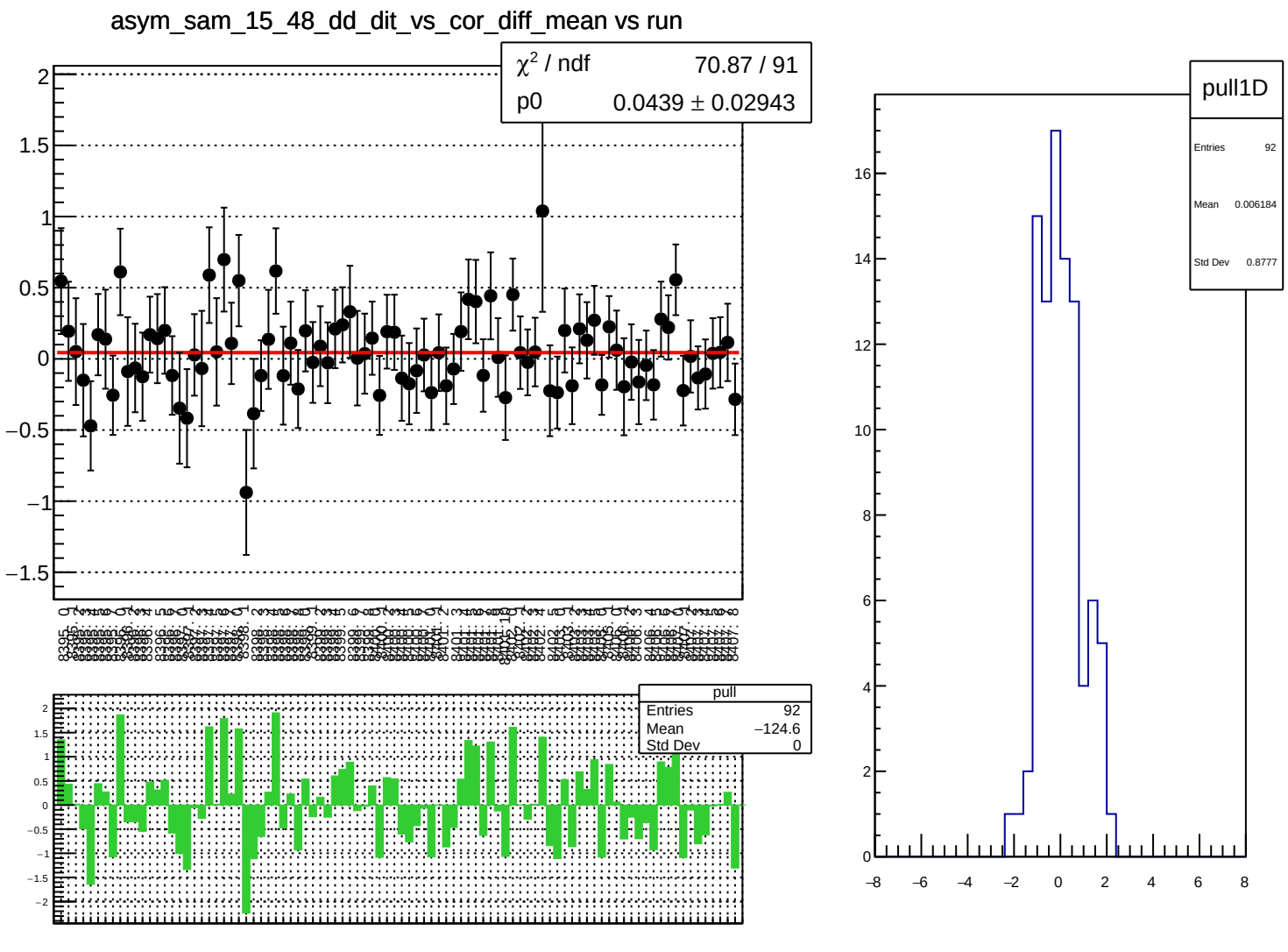

pull1D
Entries 92
Mean −0.001658
Std Dev 0.9039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

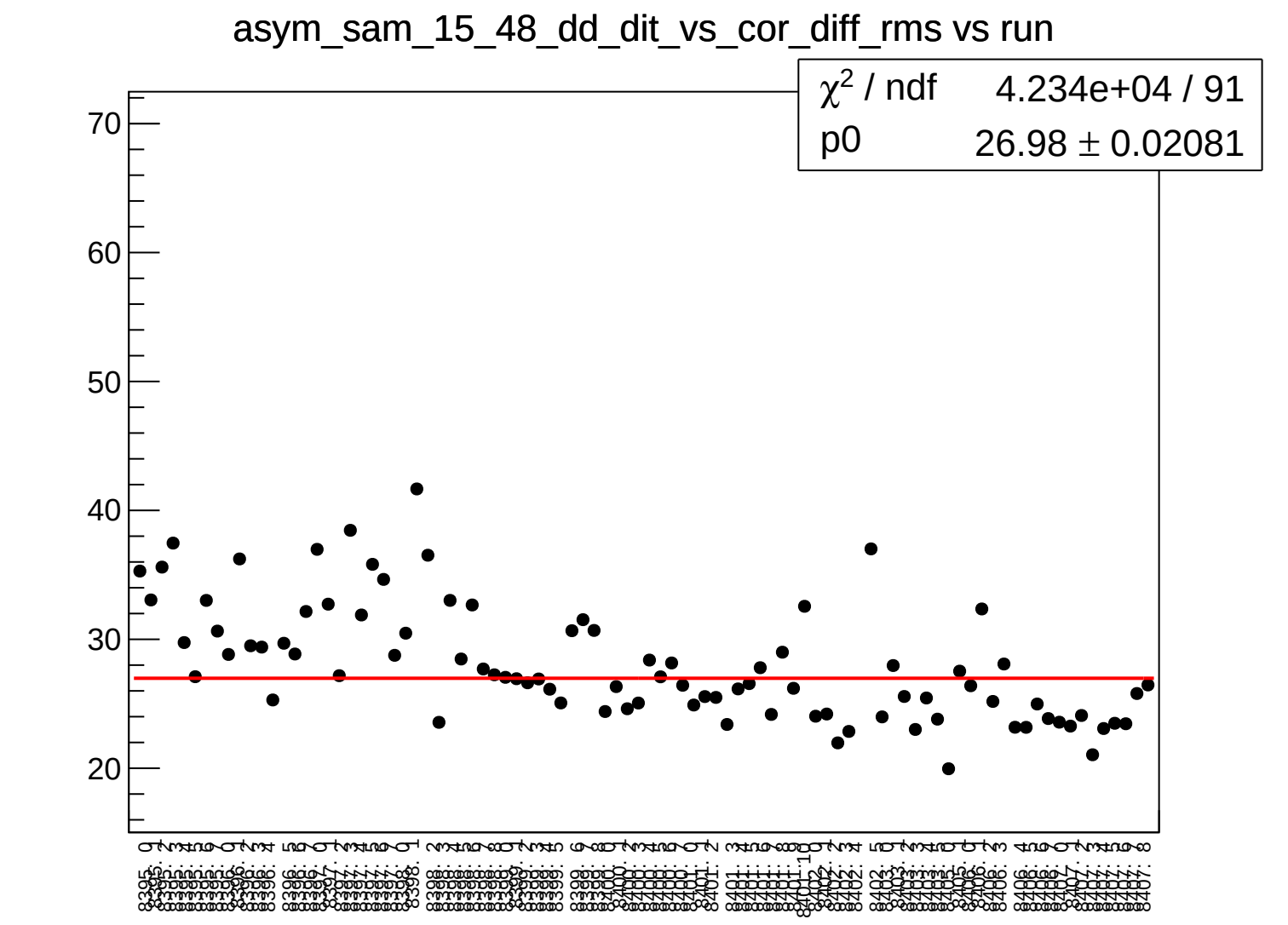

asym_sam_15_48_dd_rms vs run
χ² / ndf 5753 / 91
p0 1043 ± 0.7957
1200
1150
1100
1050
1000
950

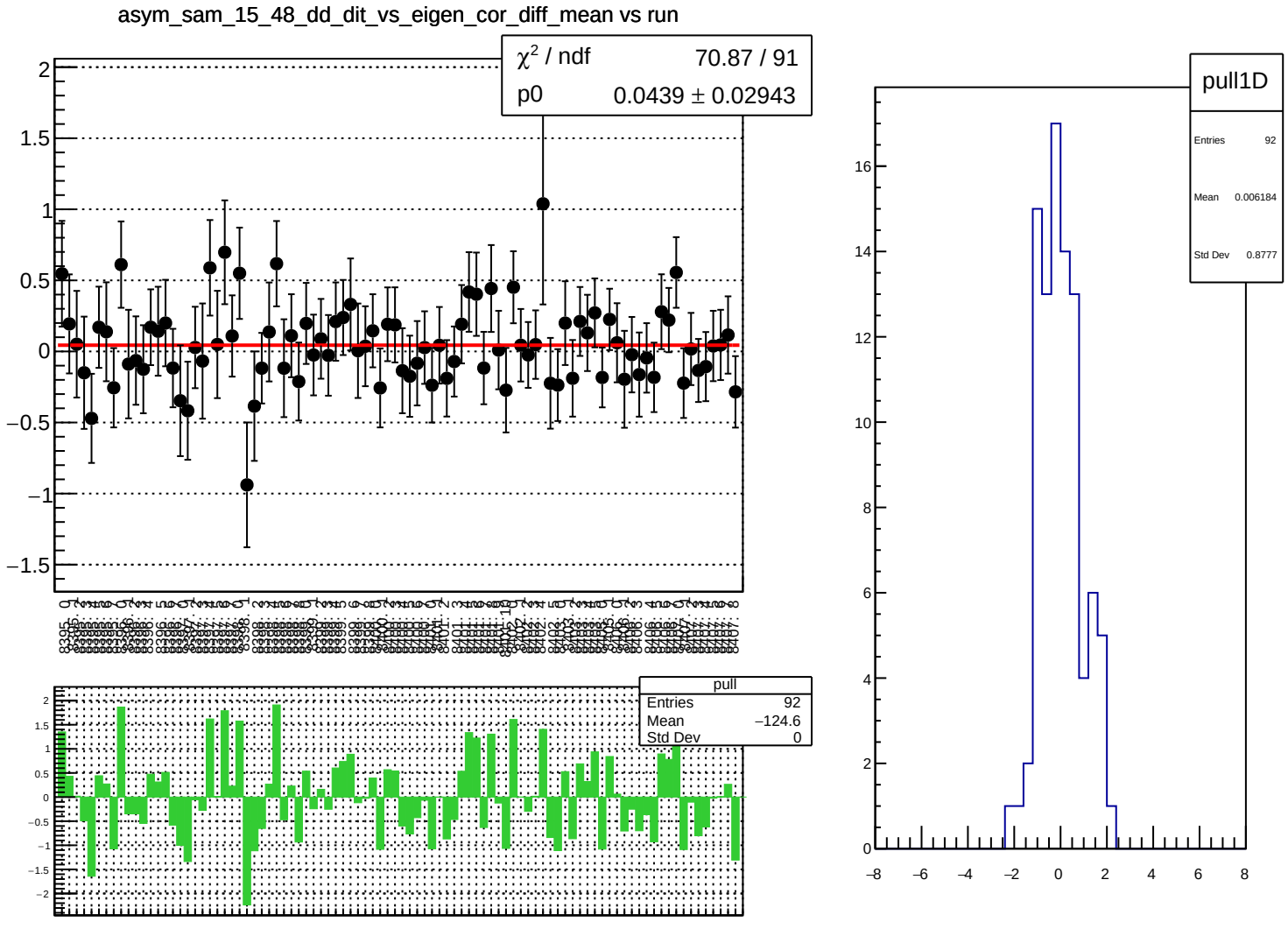

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.17 / 91
p0 1.428e−14 ± 8.909e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 92
Mean −46.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

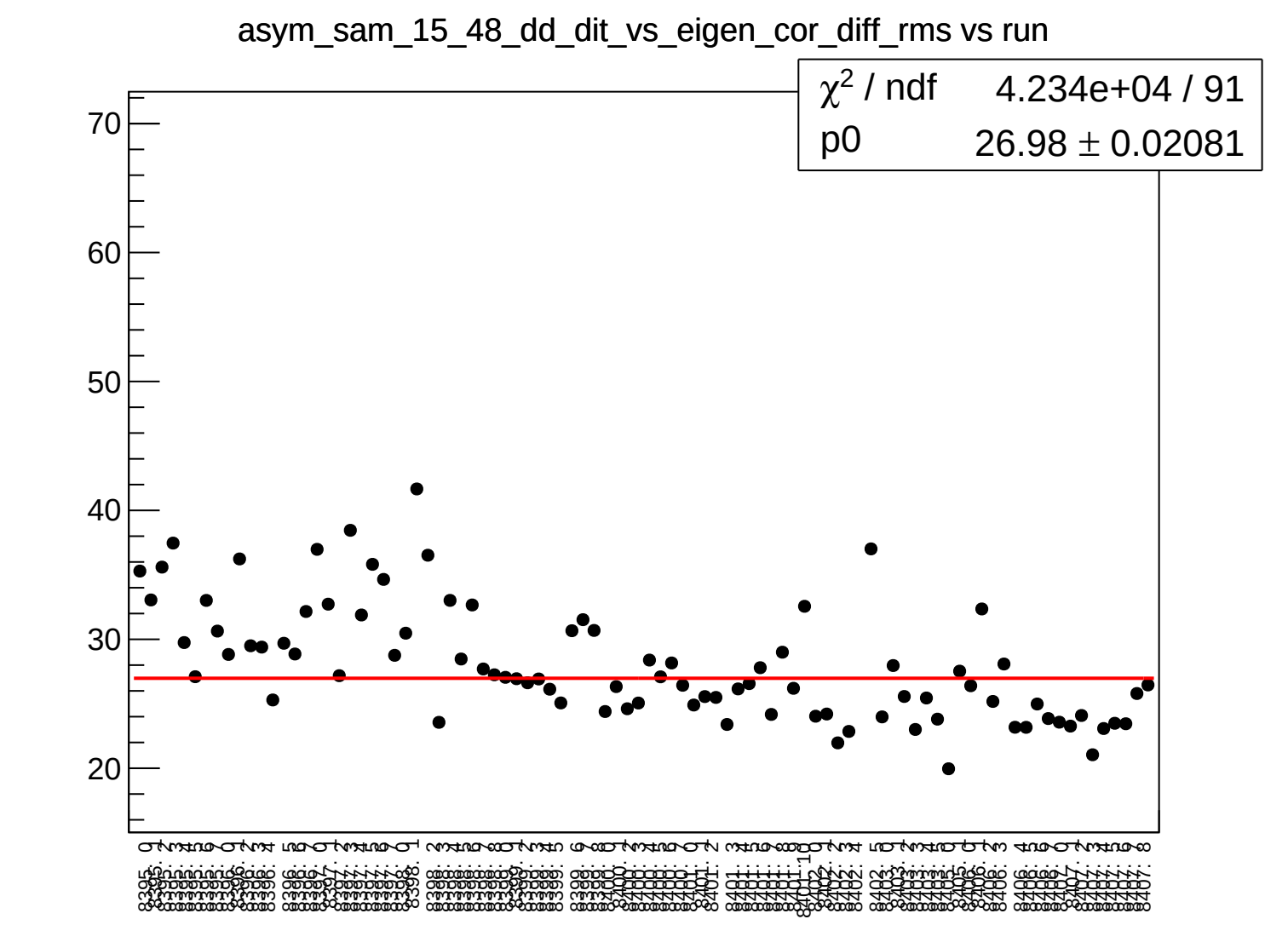

pull1D
Entries 92
Mean −0.007185
Std Dev 0.9565
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

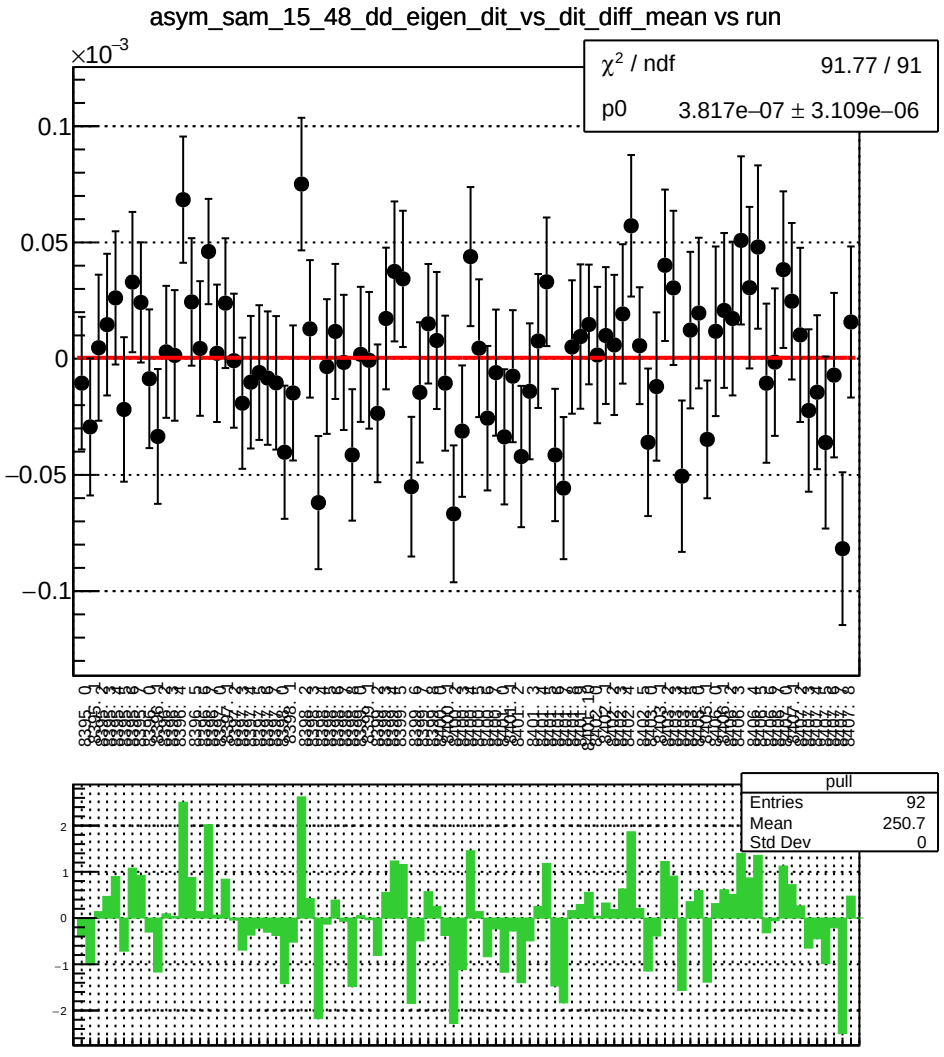

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.132e+06 / 91
p0 4.844e−11 ± 6.299e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

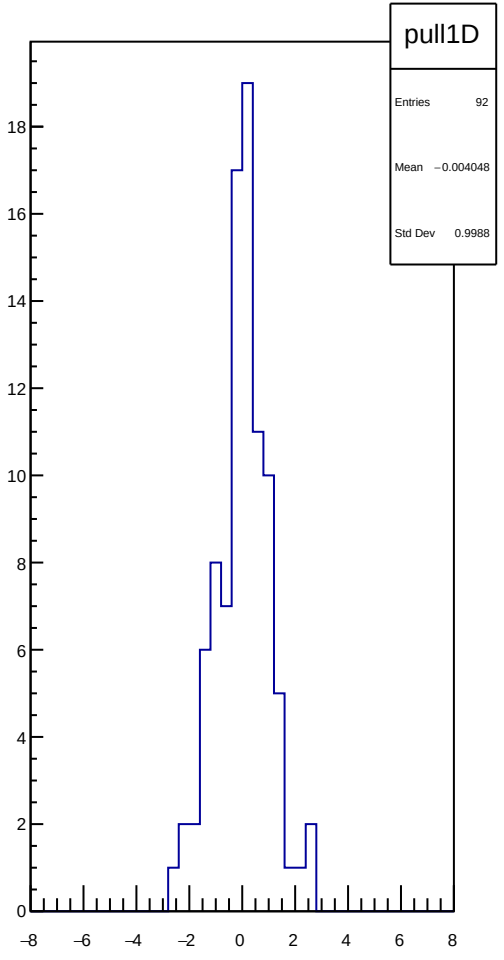

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.87 / 91
p0 0.0439 ± 0.02943
pull
Entries 92
Mean −124.6
Std Dev 0
pull1D
Entries 92
Mean 0.006184
Std Dev 0.8777

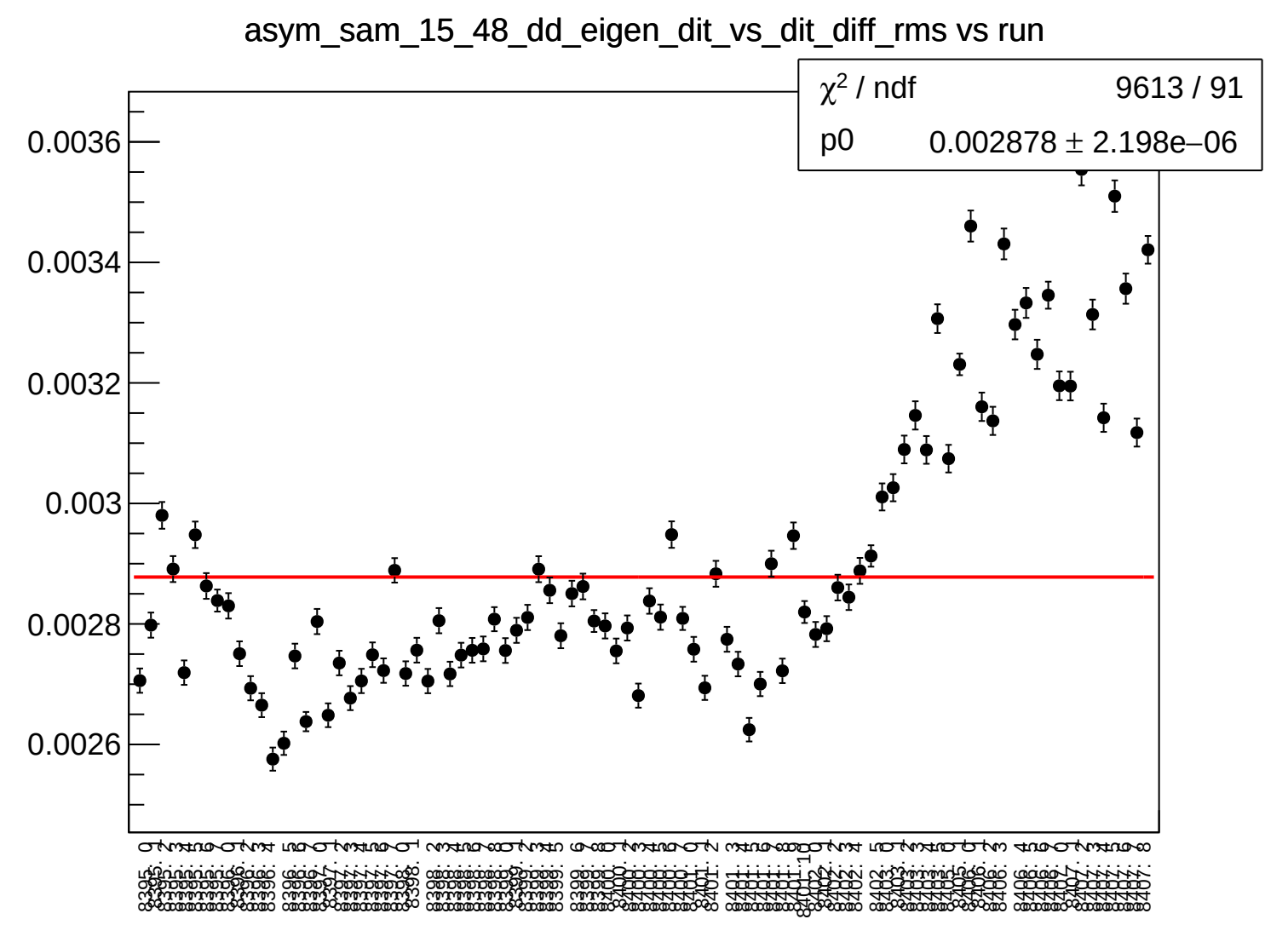

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.234e+04 / 91
p0 26.98 ± 0.02081
70
60
50
40
30
20

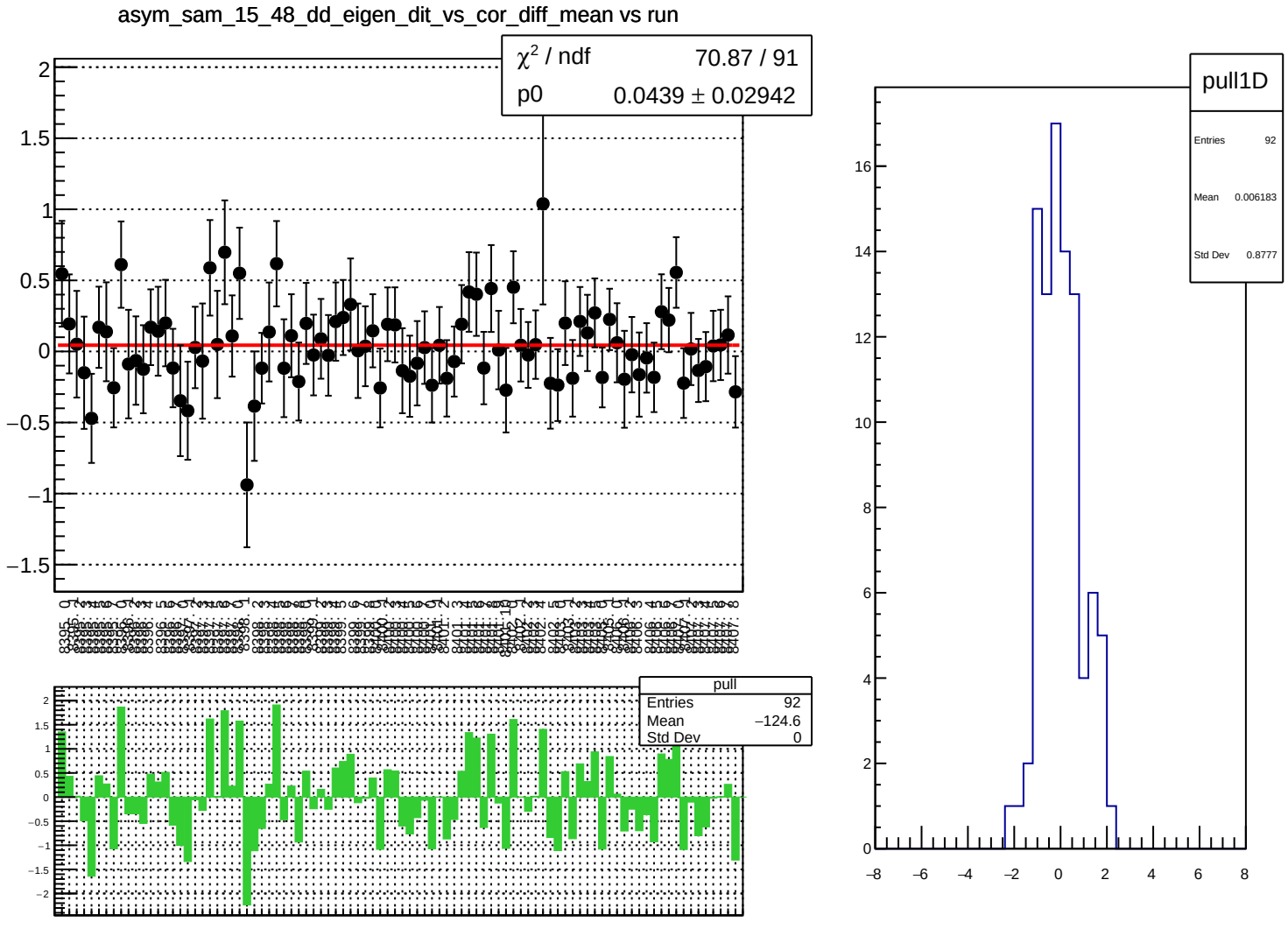

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.87 / 91
p0 0.0439 ± 0.02943
pull
Entries 92
Mean −124.6
Std Dev 0
pull1D
Entries 92
Mean 0.006184
Std Dev 0.8777

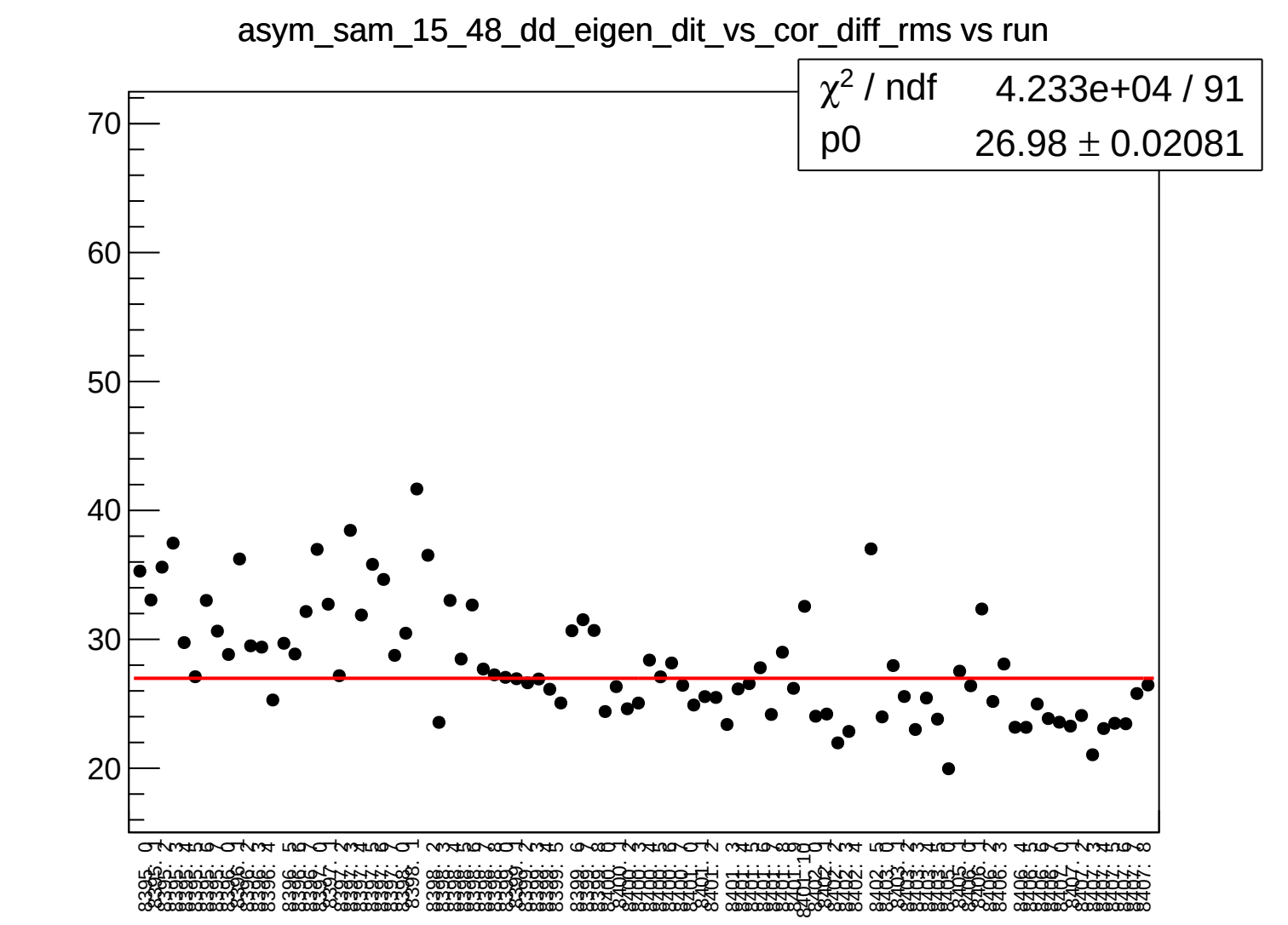

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 4.234e+04 / 91
p0 26.98 ± 0.02081
70
60
50
40
30
20

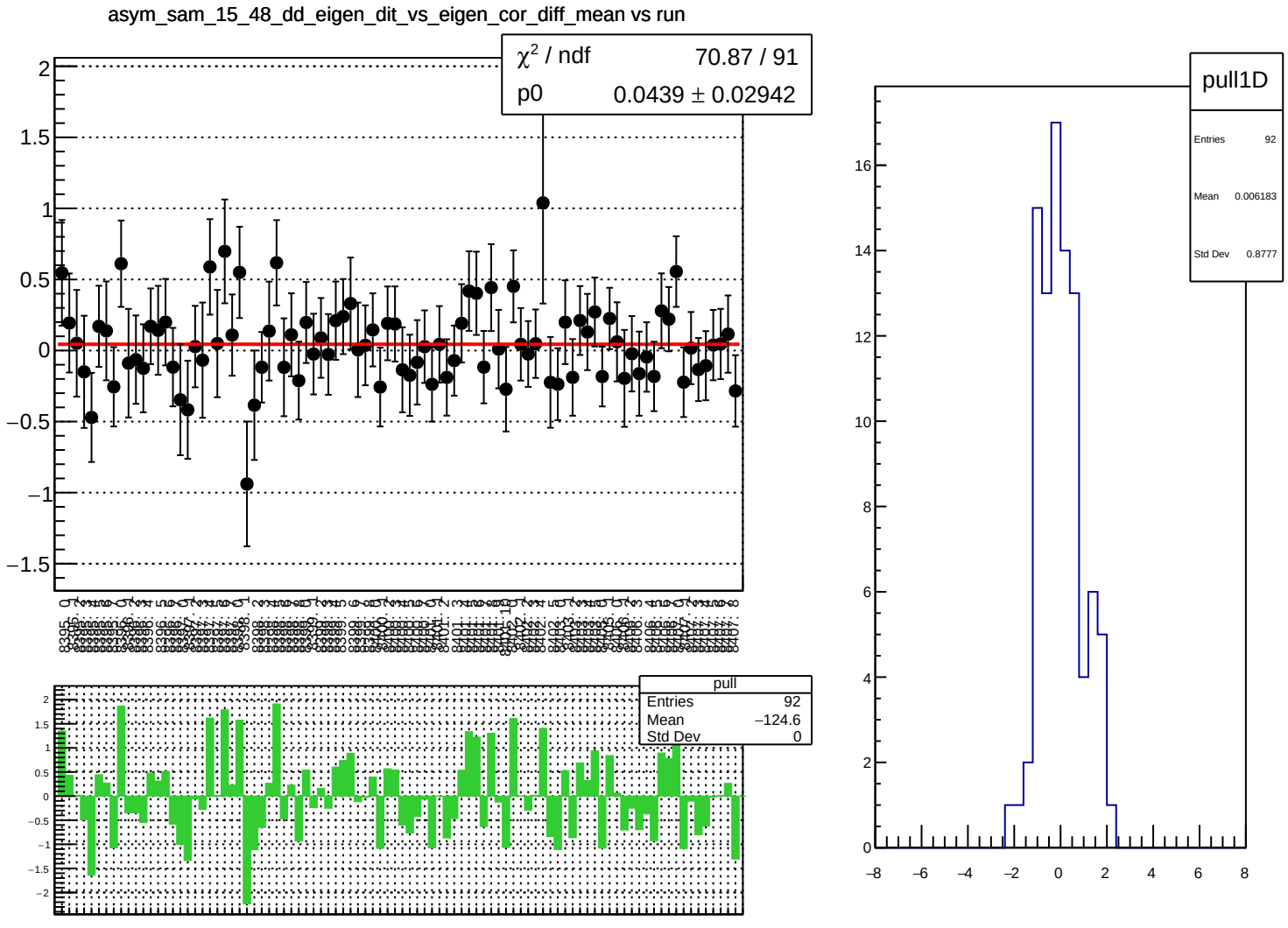

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.77 / 91
p0 3.817e−07 ± 3.109e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 92
Mean 250.7
Std Dev 0
2
1
0
−1
−2

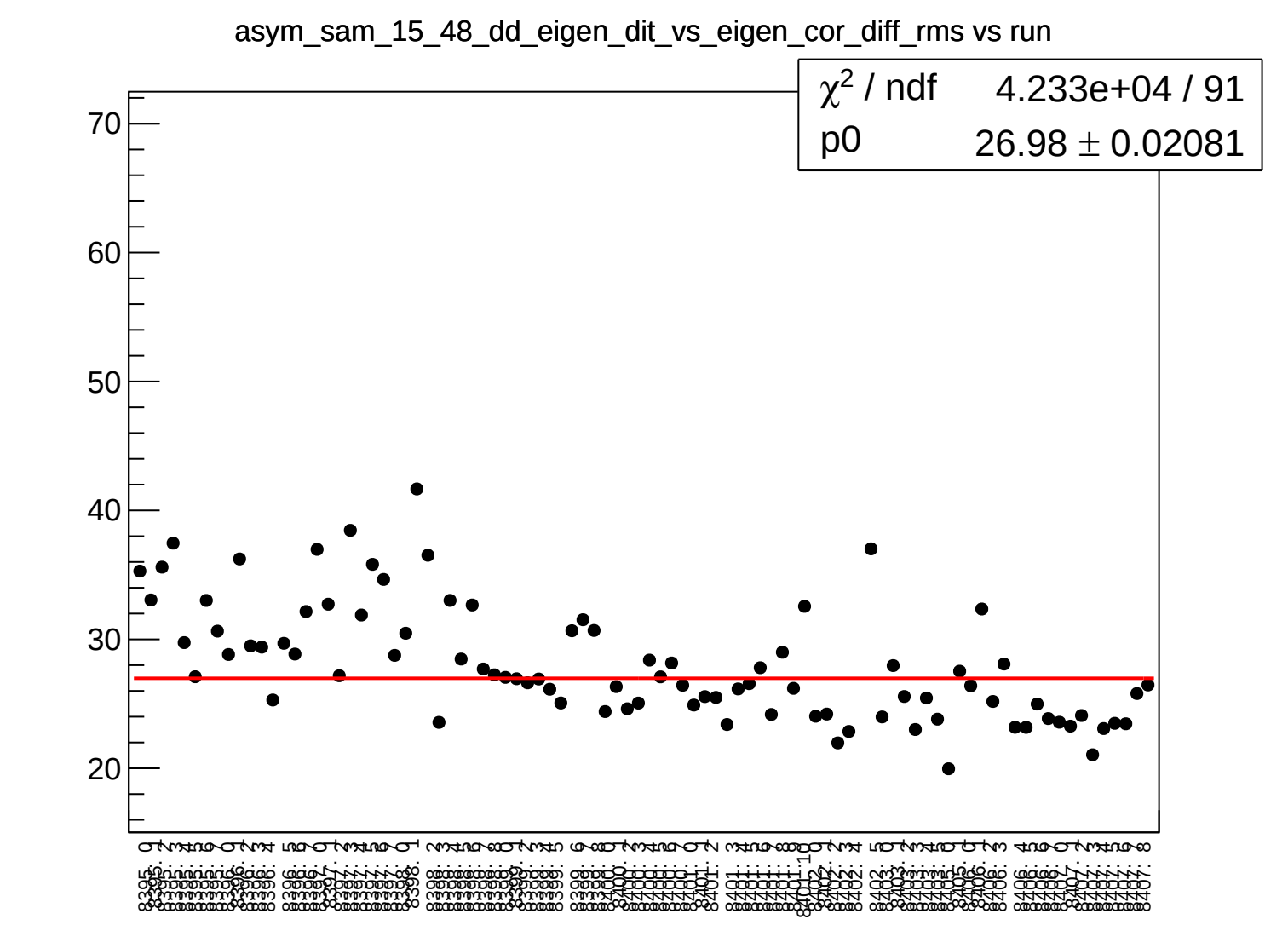

pull1D
Entries 92
Mean −0.004048
Std Dev 0.9988
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

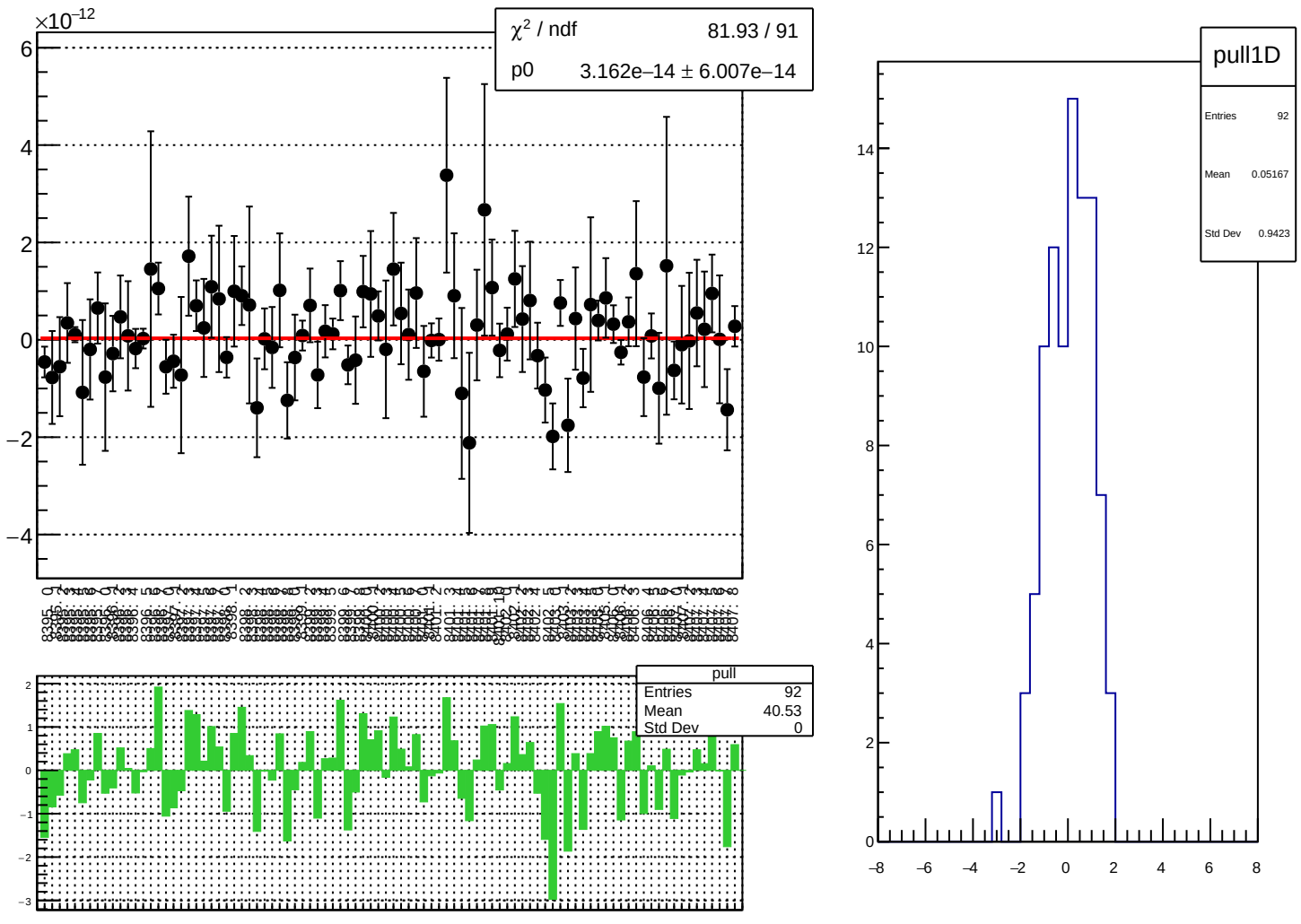

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9613 / 91
p0 0.002878 ± 2.198e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

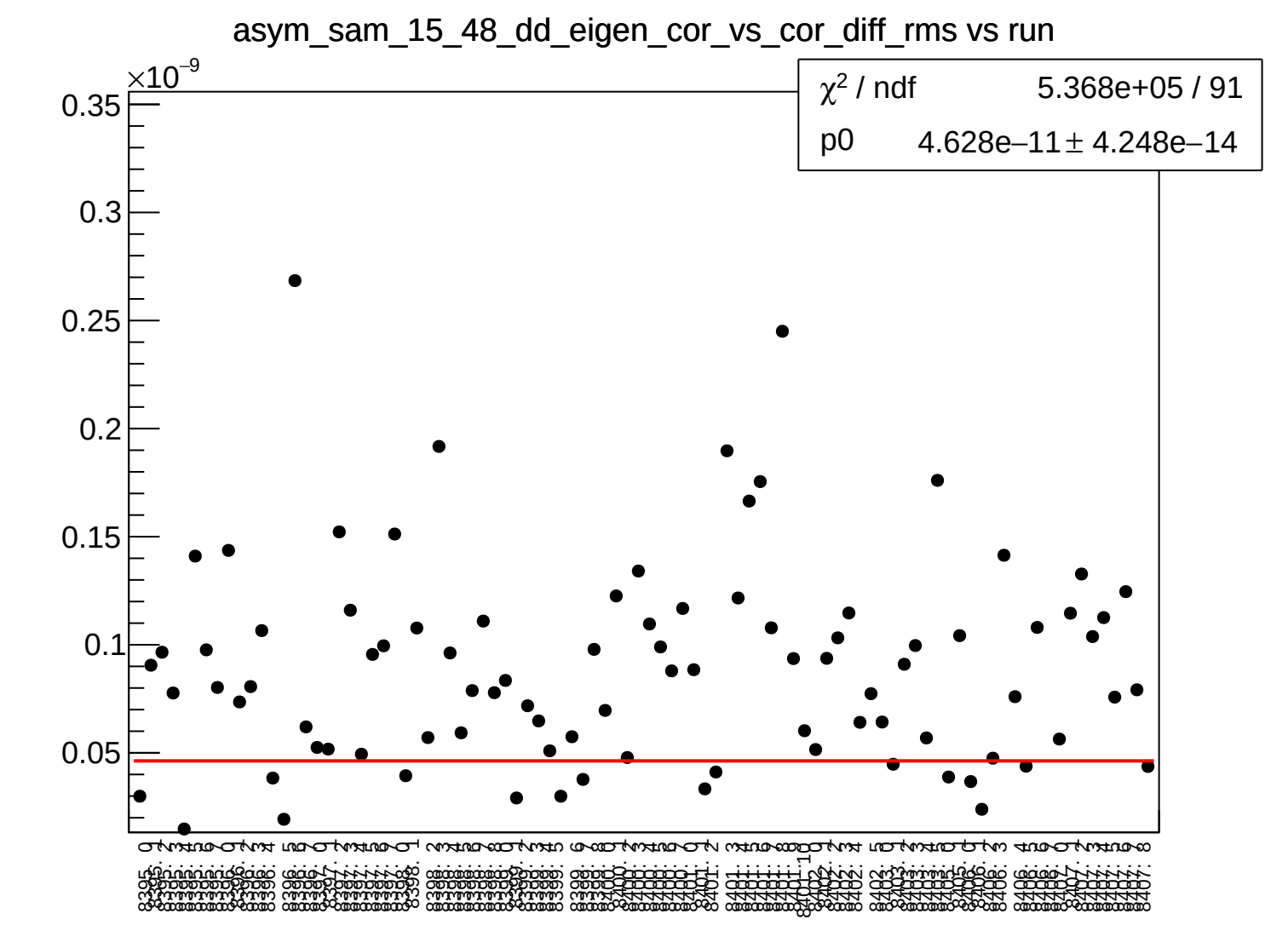

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.87 / 91
p0 0.0439 ± 0.02942
pull
Entries 92
Mean −124.6
Std Dev 0
pull1D
Entries 92
Mean 0.006183
Std Dev 0.8777

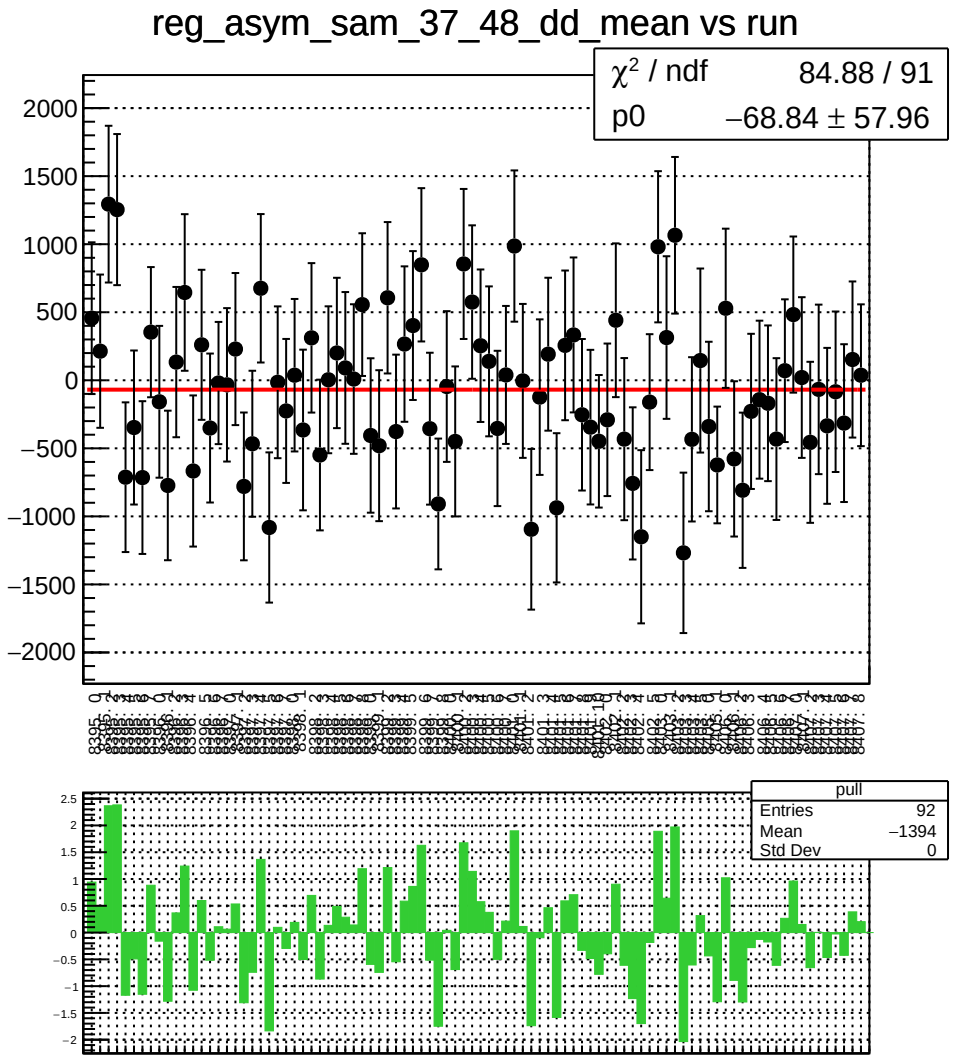

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 4.233e+04 / 91
p0 26.98 ± 0.02081
70
60
50
40
30
20

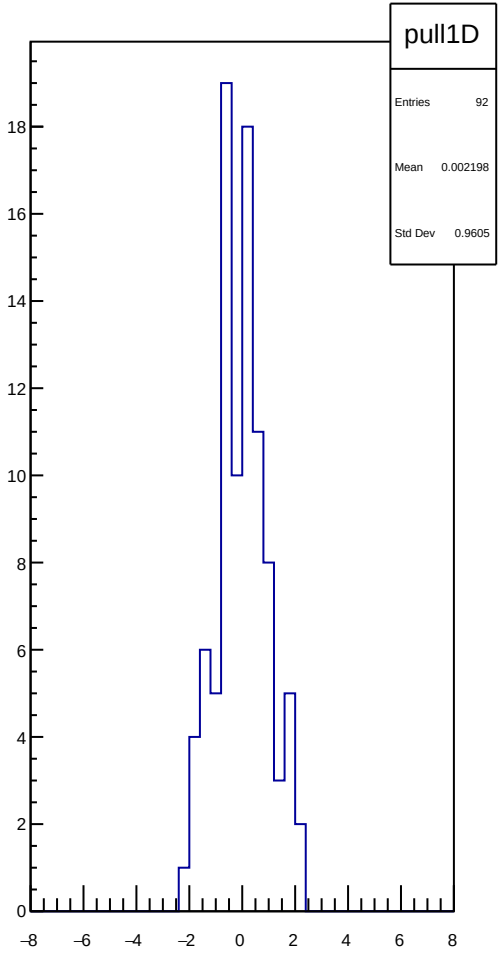

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.87 / 91
p0 0.0439 ± 0.02942
pull
Entries 92
Mean −124.6
Std Dev 0
pull1D
Entries 92
Mean 0.006183
Std Dev 0.8777

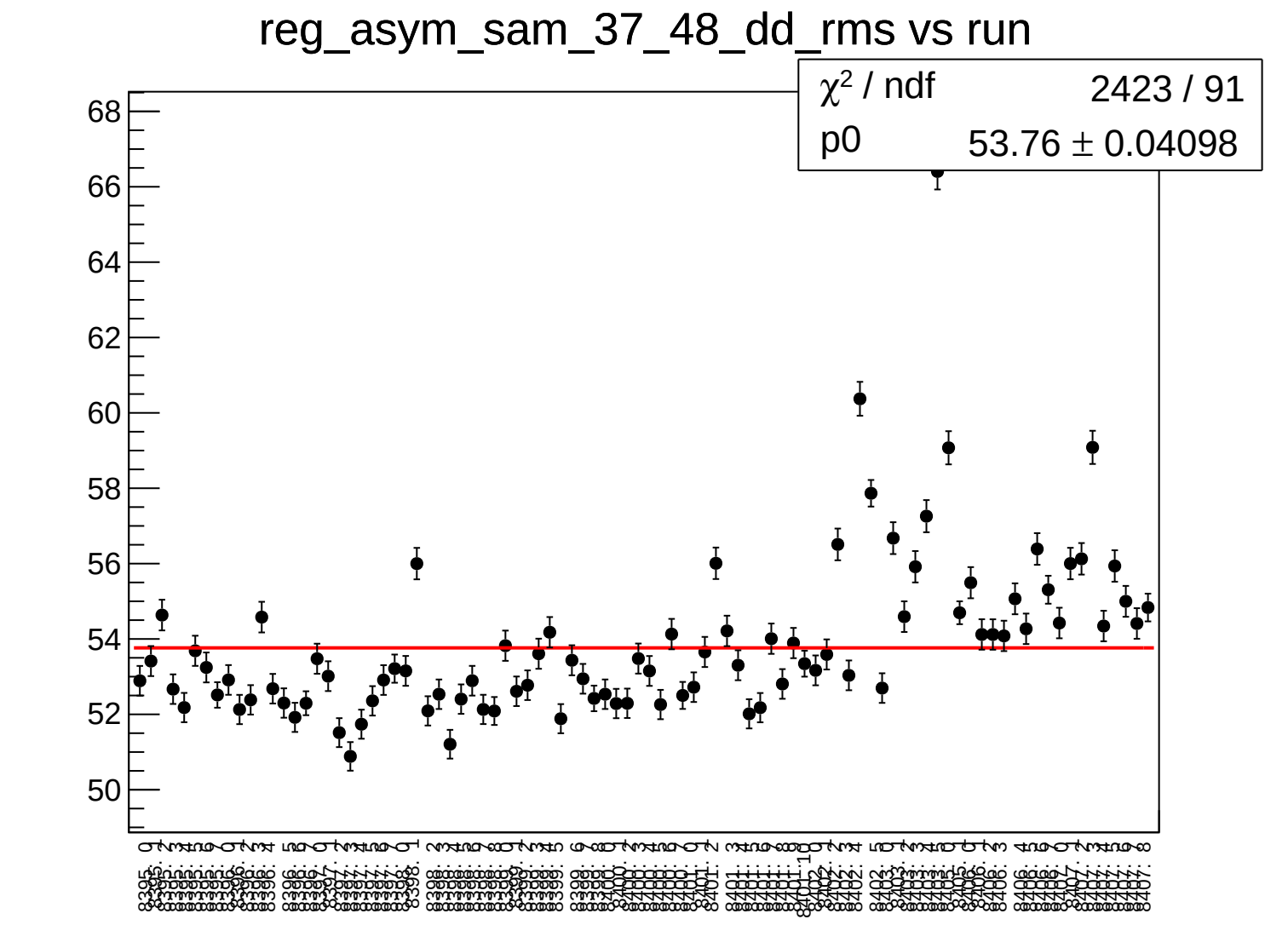

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.233e+04 / 91
p0 26.98 ± 0.02081
70
60
50
40
30
20

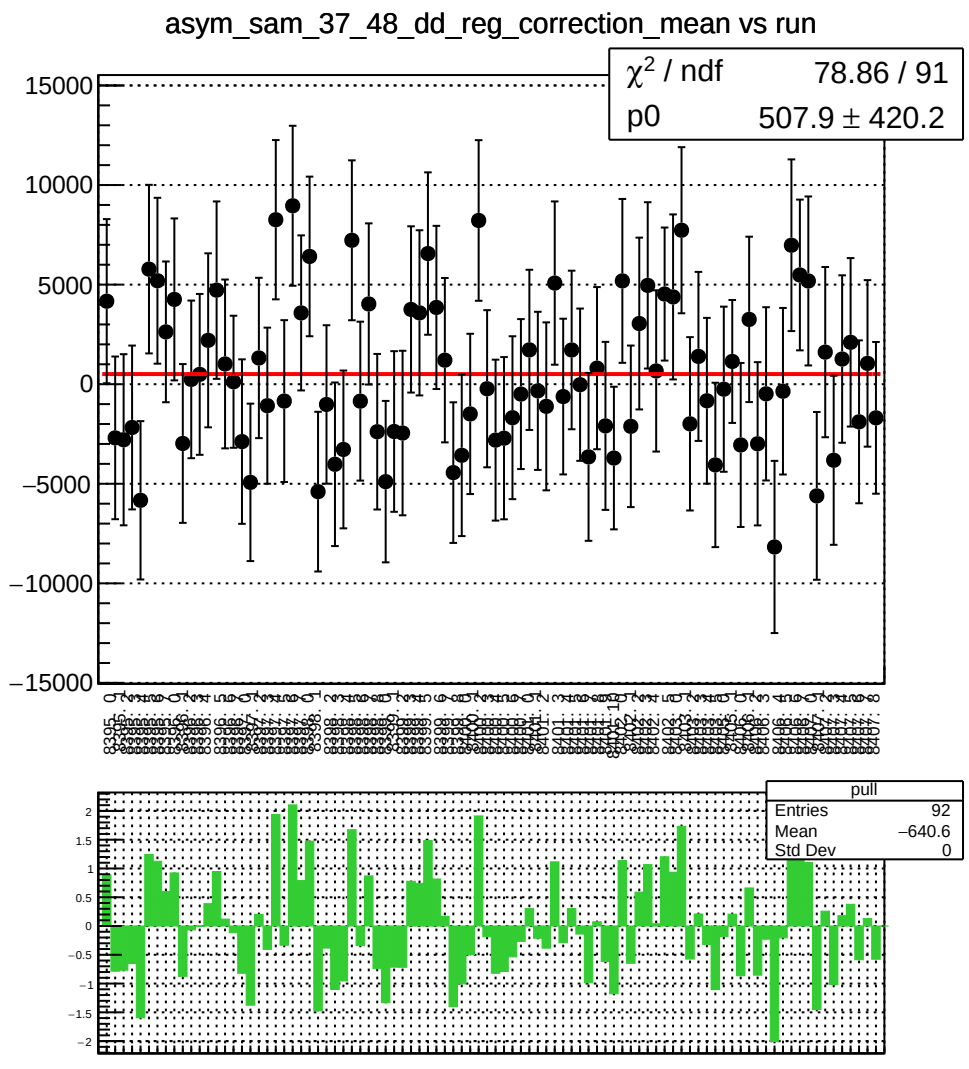

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.93 / 91
p0 3.162e−14 ± 6.007e−14
pull
Entries 92
Mean 40.53
Std Dev 0
pull1D
Entries 92
Mean 0.05167
Std Dev 0.9423

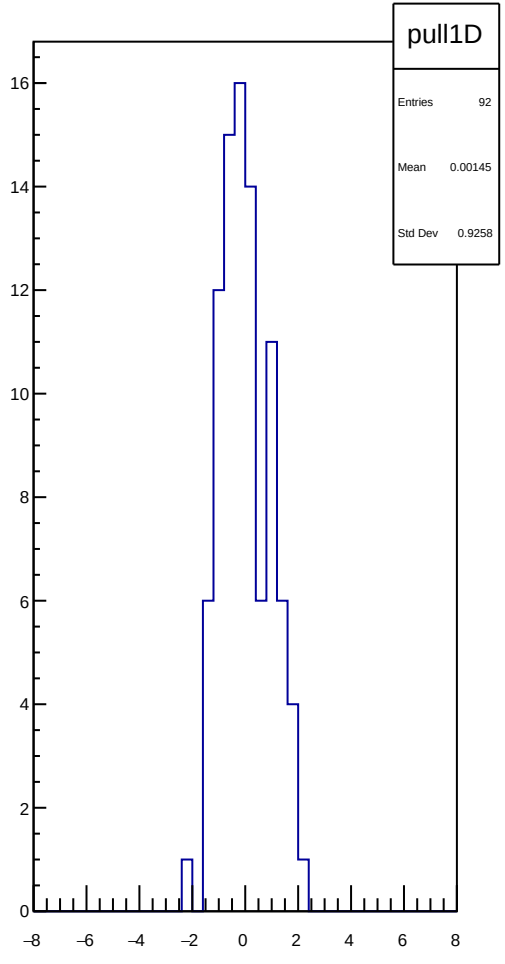

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.368e+05 / 91
p0 4.628e−11 ± 4.248e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

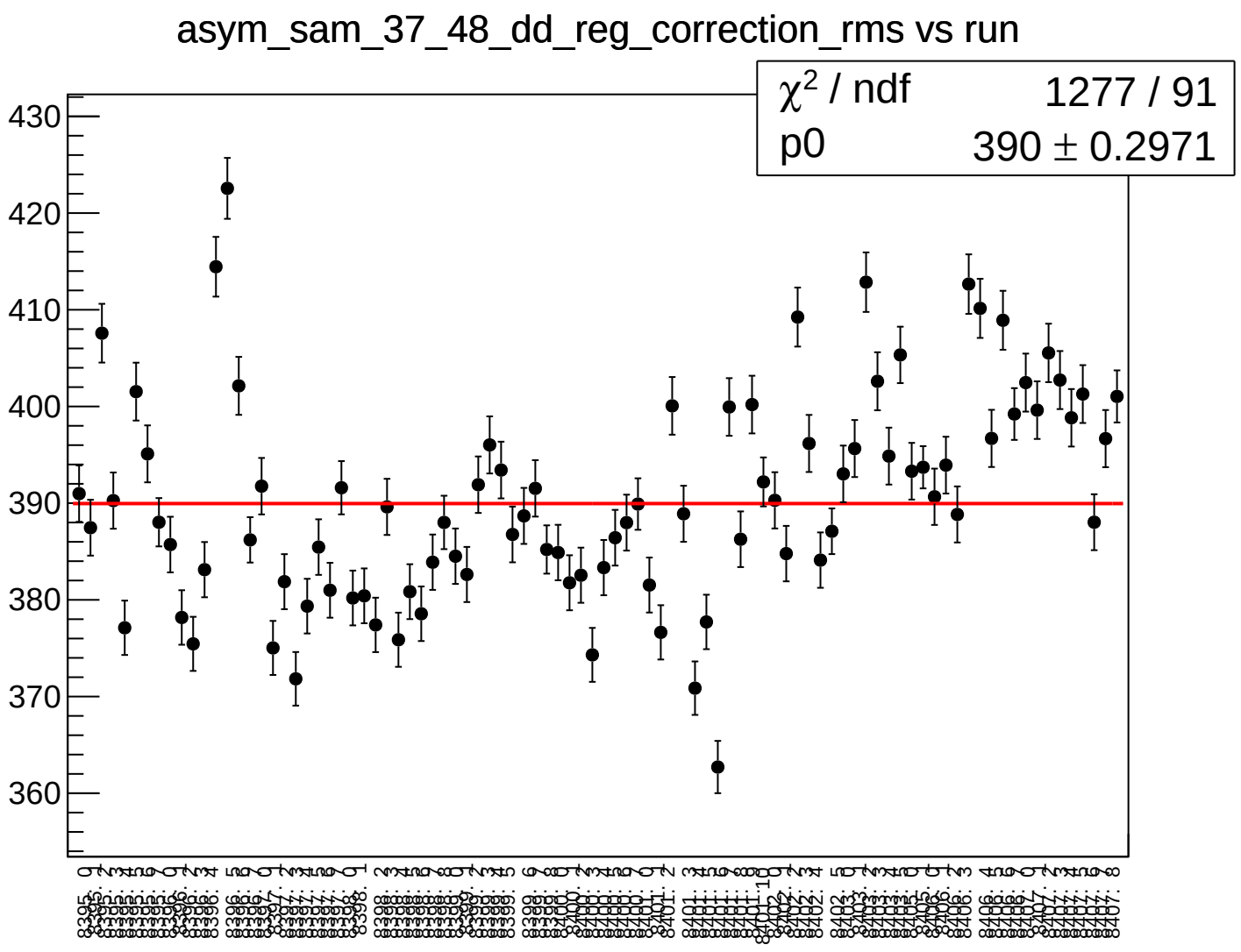

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 84.88 / 91
p0 −68.84 ± 57.96
pull
Entries 92
Mean −1394
Std Dev 0

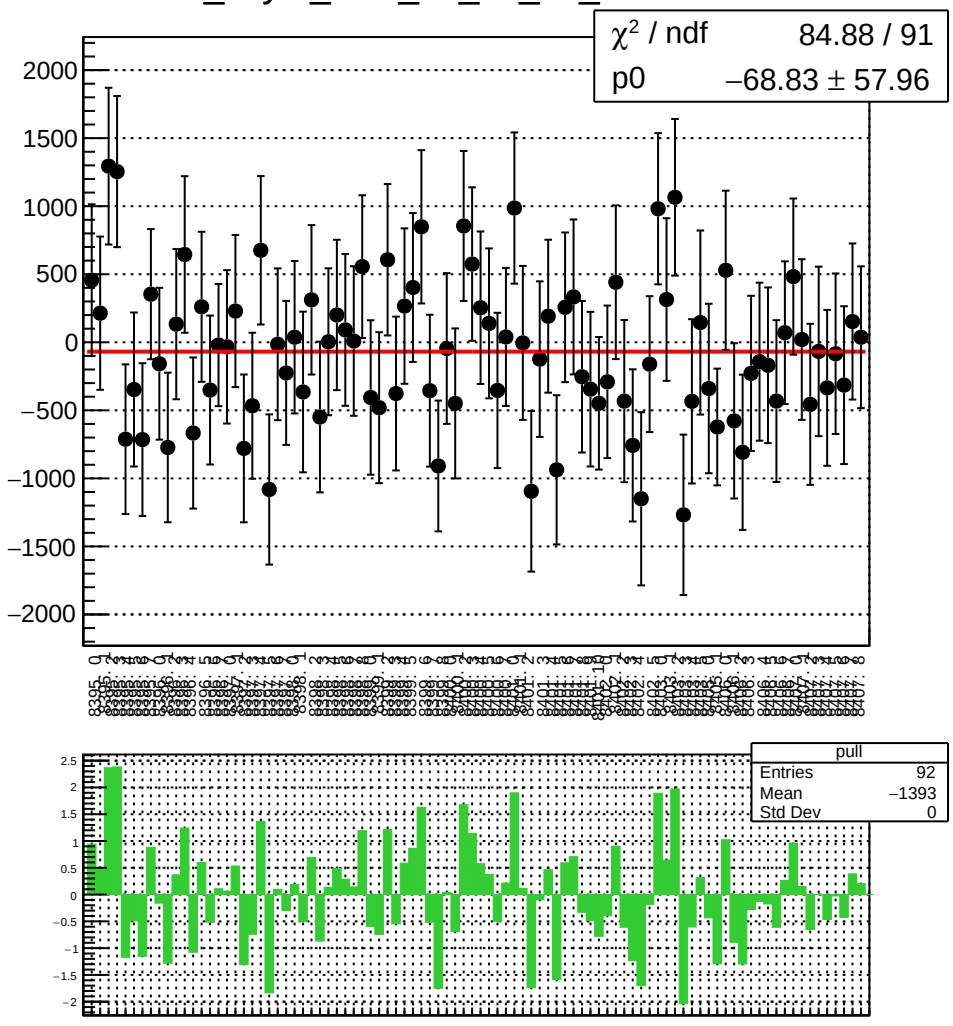

pull1D
Entries 92
Mean 0.002198
Std Dev 0.9605

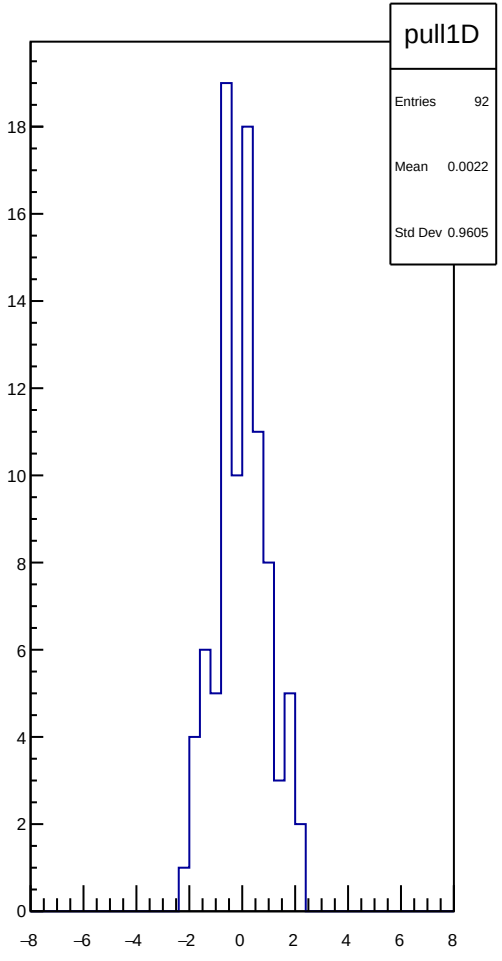

reg_asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 2423 / 91
p0 53.76 ± 0.04098
68
66
64
62
60
58
56
54
52
50

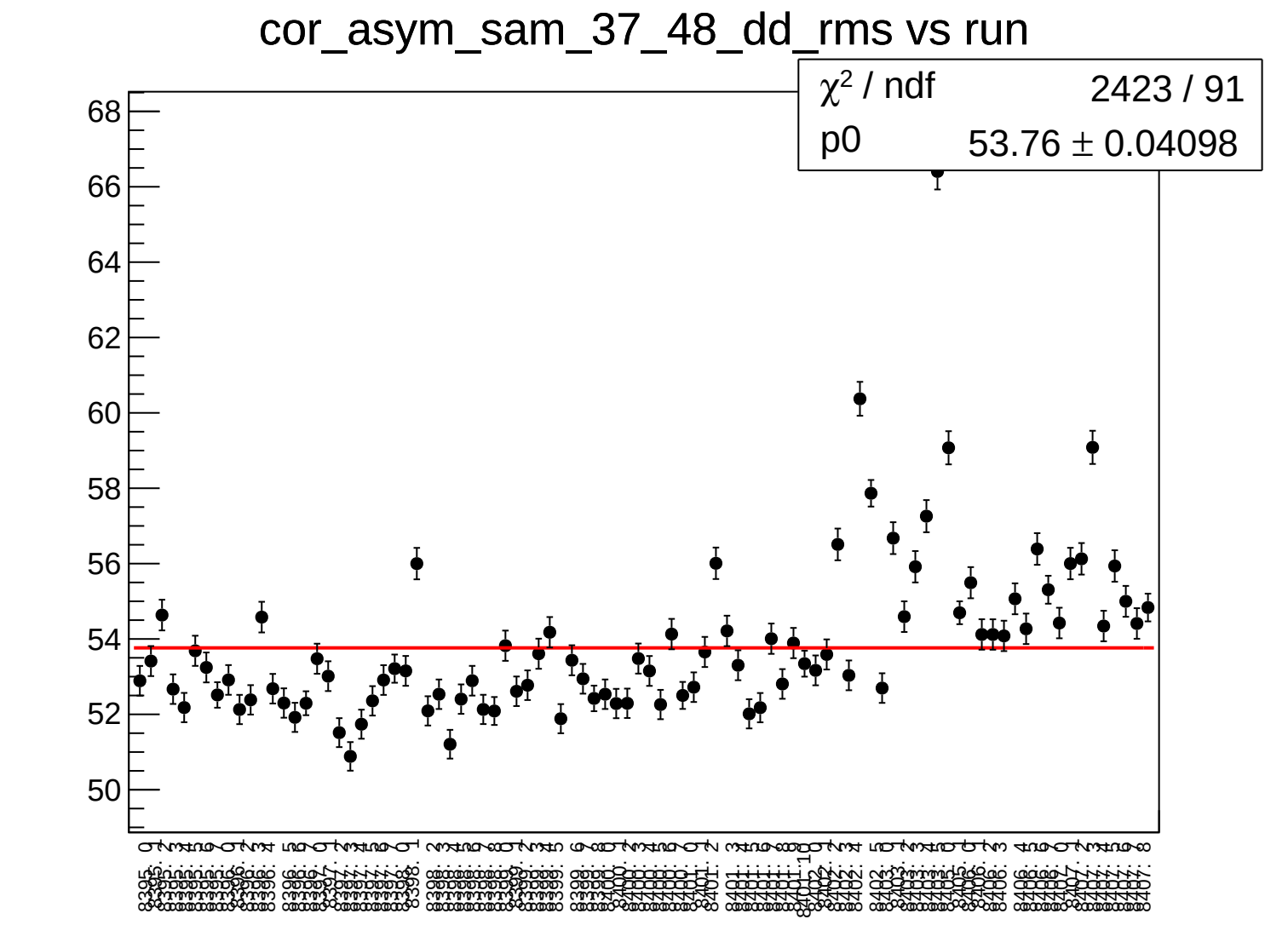

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 78.86 / 91
p0 507.9 ± 420.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −640.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

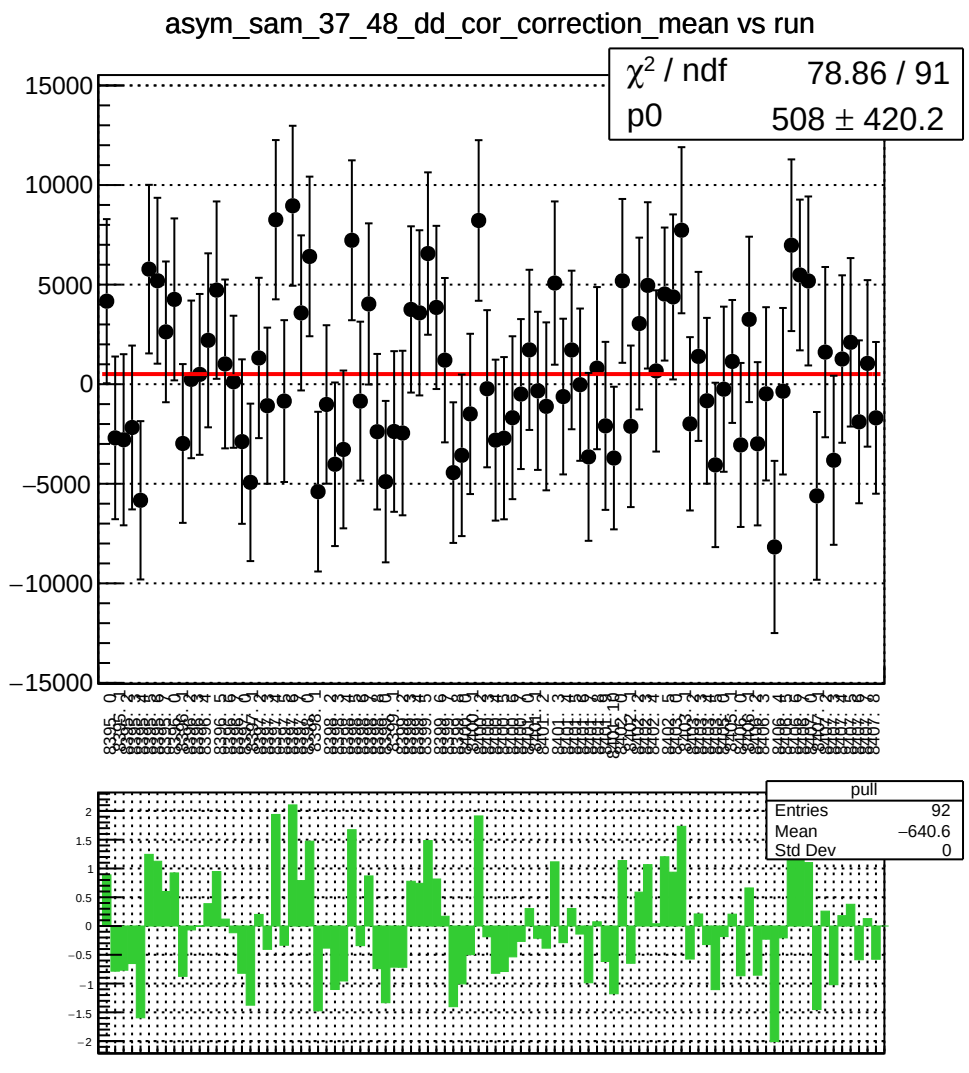

pull1D
Entries 92
Mean 0.00145
Std Dev 0.9258
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

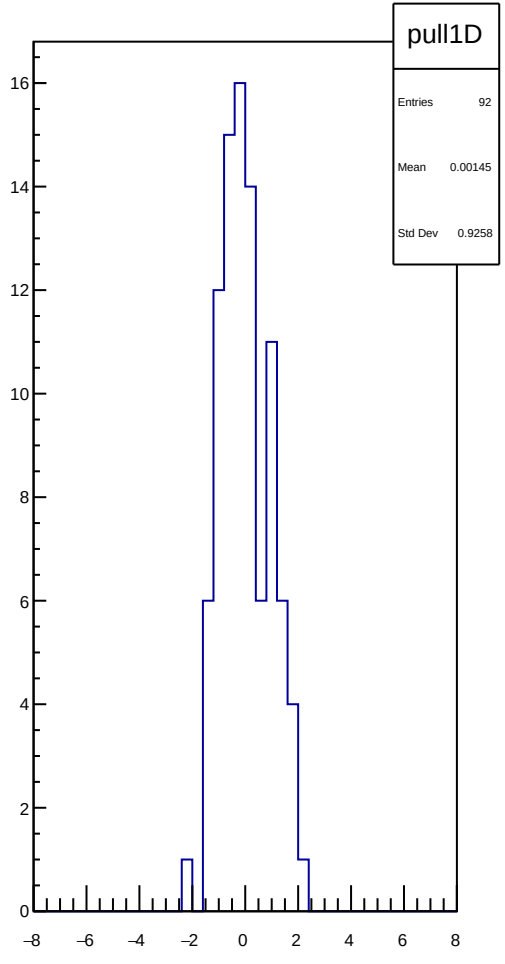

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1277 / 91
p0 390 ± 0.2971
430
420
410
400
390
380
370
360

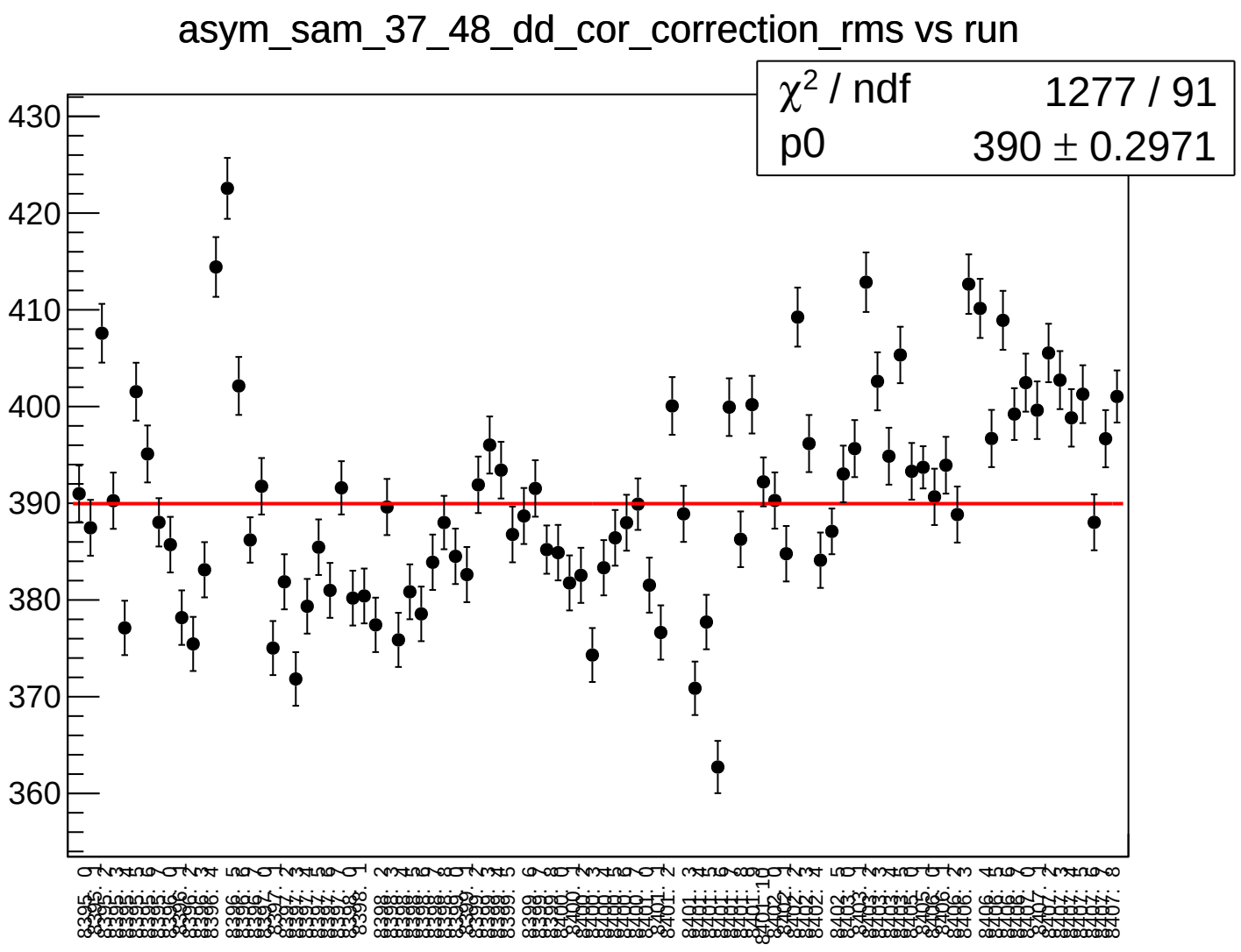

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 84.88 / 91
p0 −68.83 ± 57.96
pull
Entries 92
Mean −1393
Std Dev 0

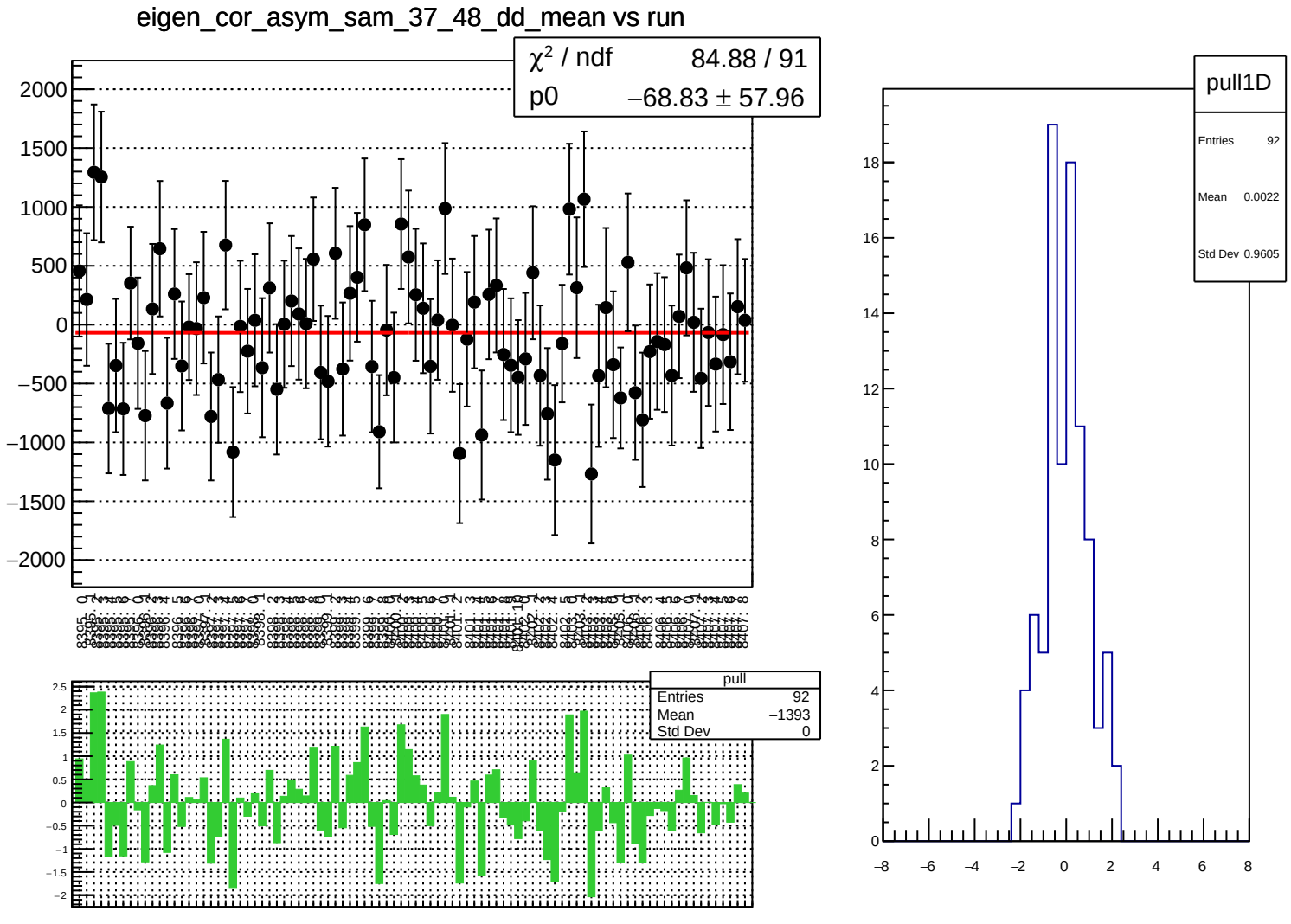

pull1D
Entries 92
Mean 0.0022
Std Dev 0.9605

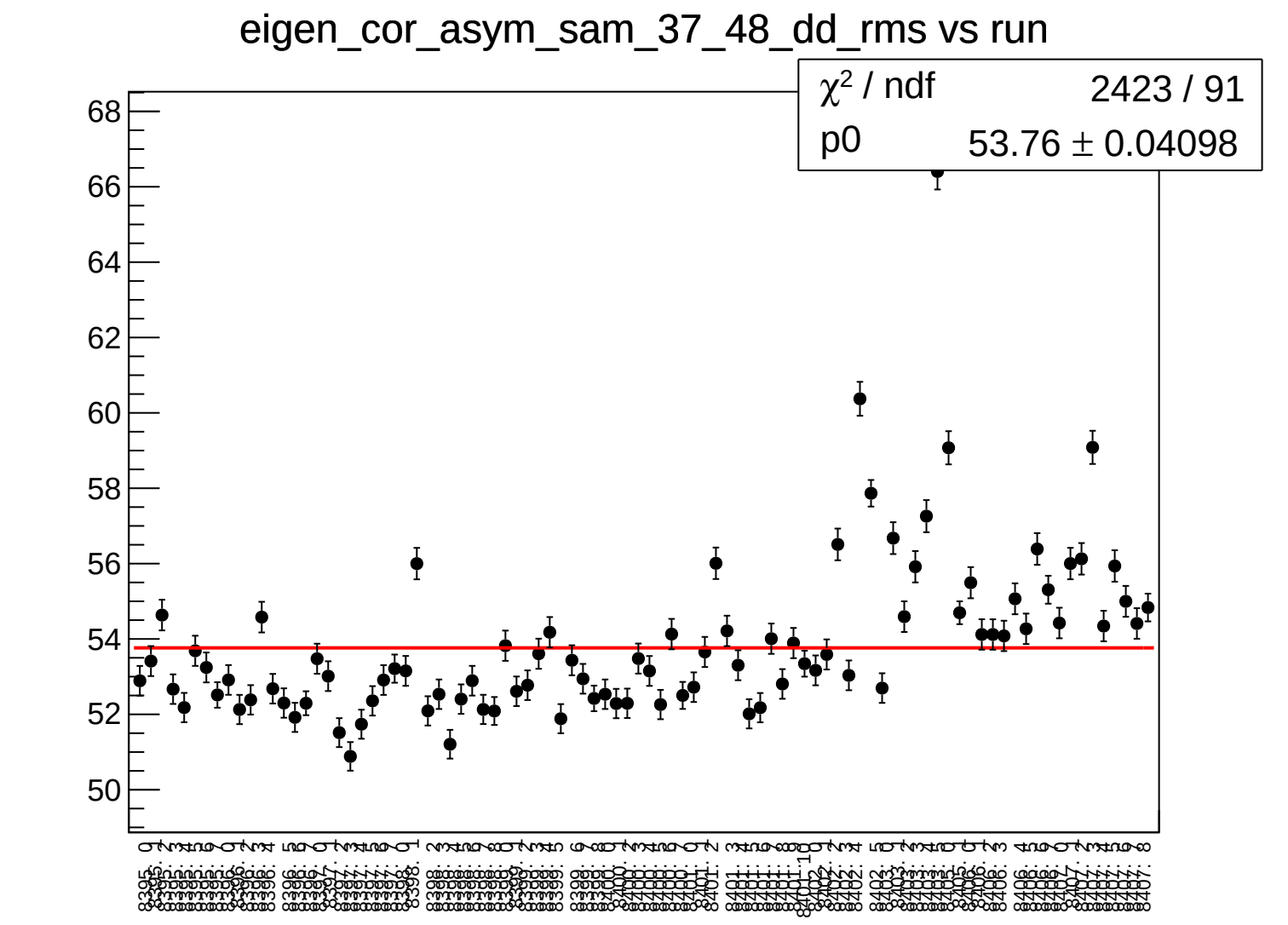

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2423 / 91
p0 53.76 ± 0.04098
68
66
64
62
60
58
56
54
52
50

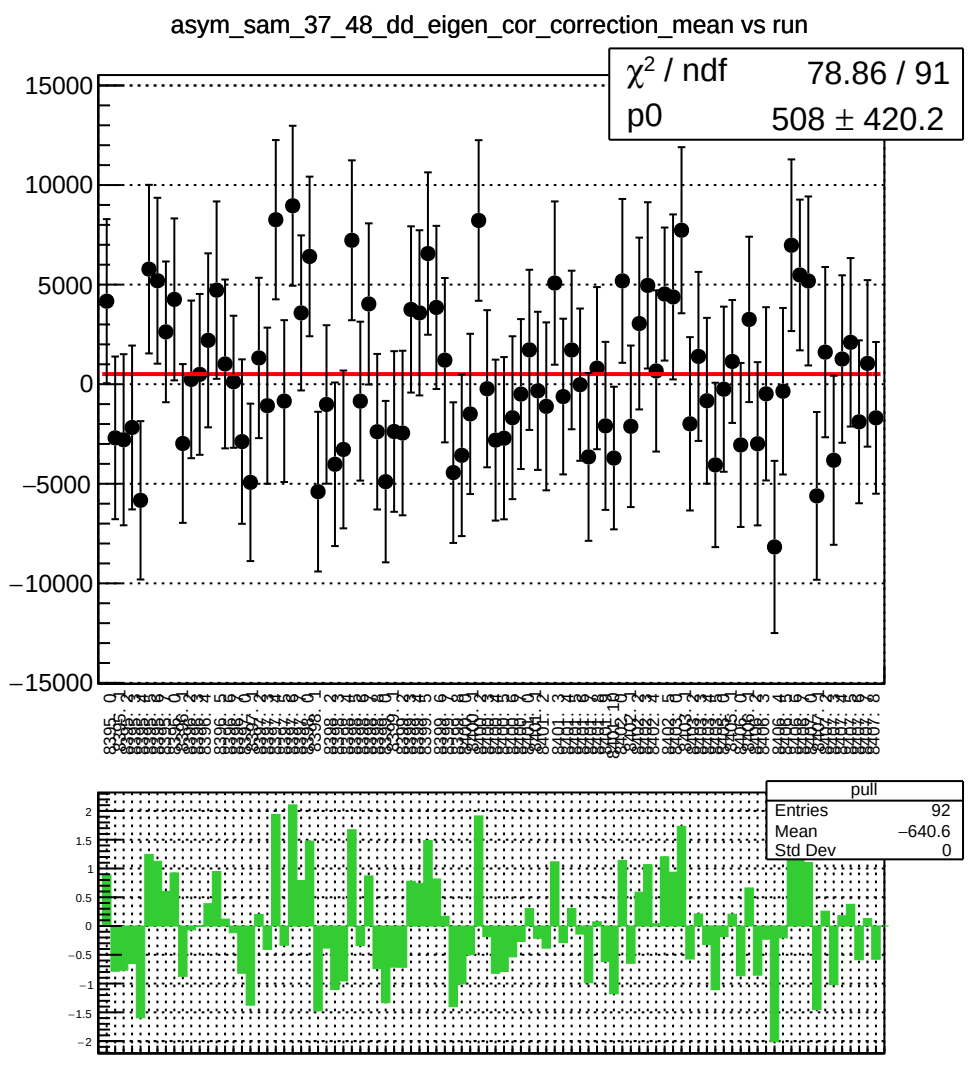

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 78.86 / 91
p0 508 ± 420.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −640.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

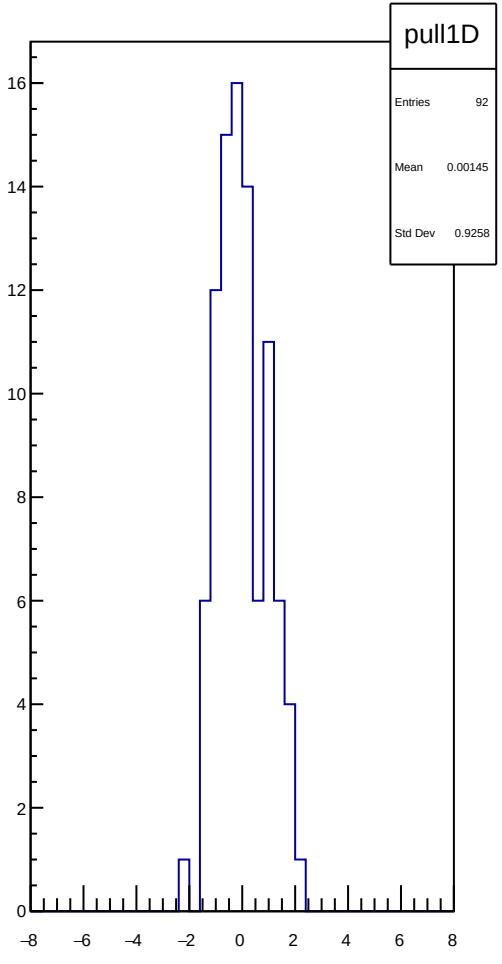

pull1D
Entries 92
Mean 0.00145
Std Dev 0.9258
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

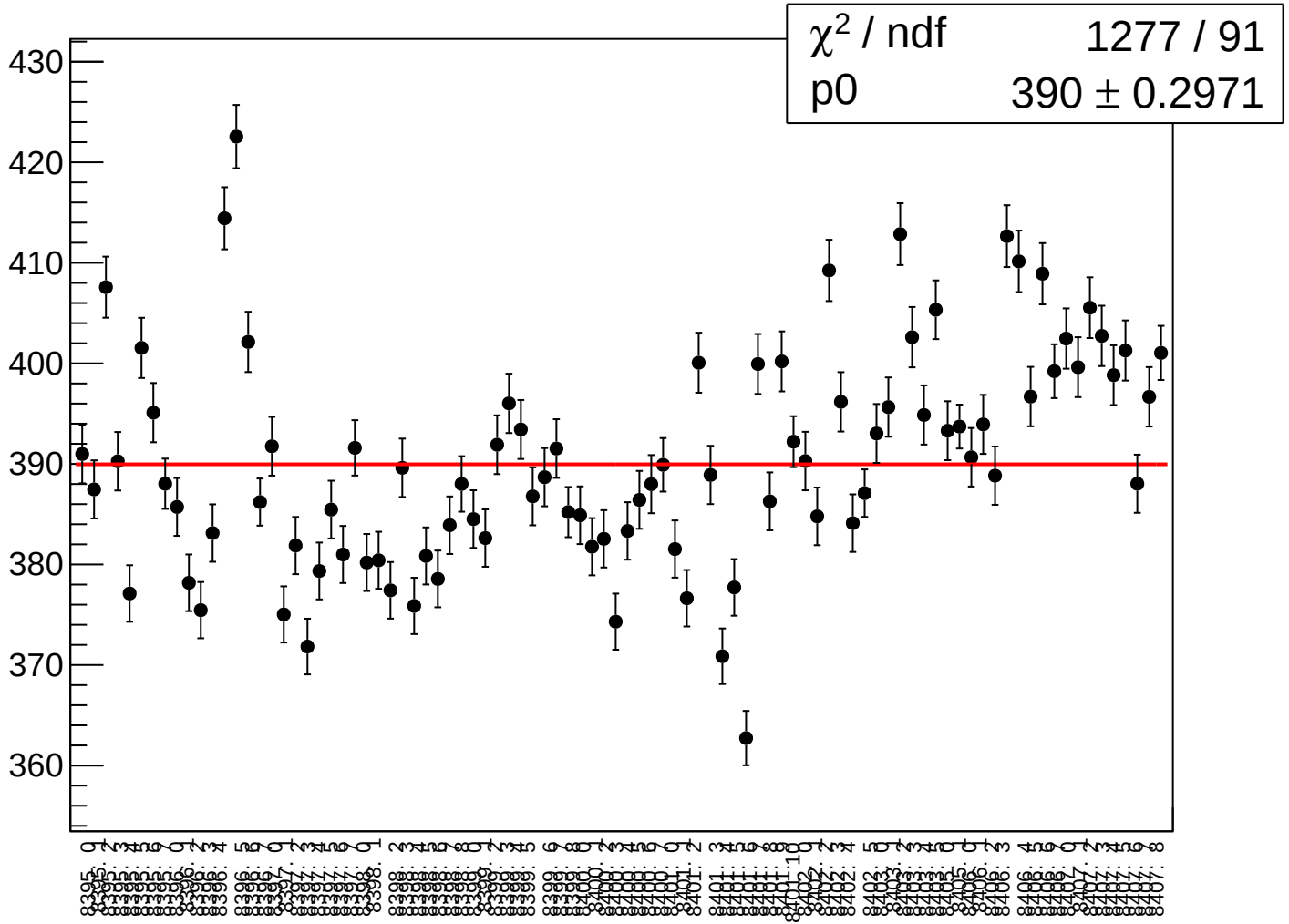

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1277 / 91
p0 390 ± 0.2971
430
420
410
400
390
380
370
360

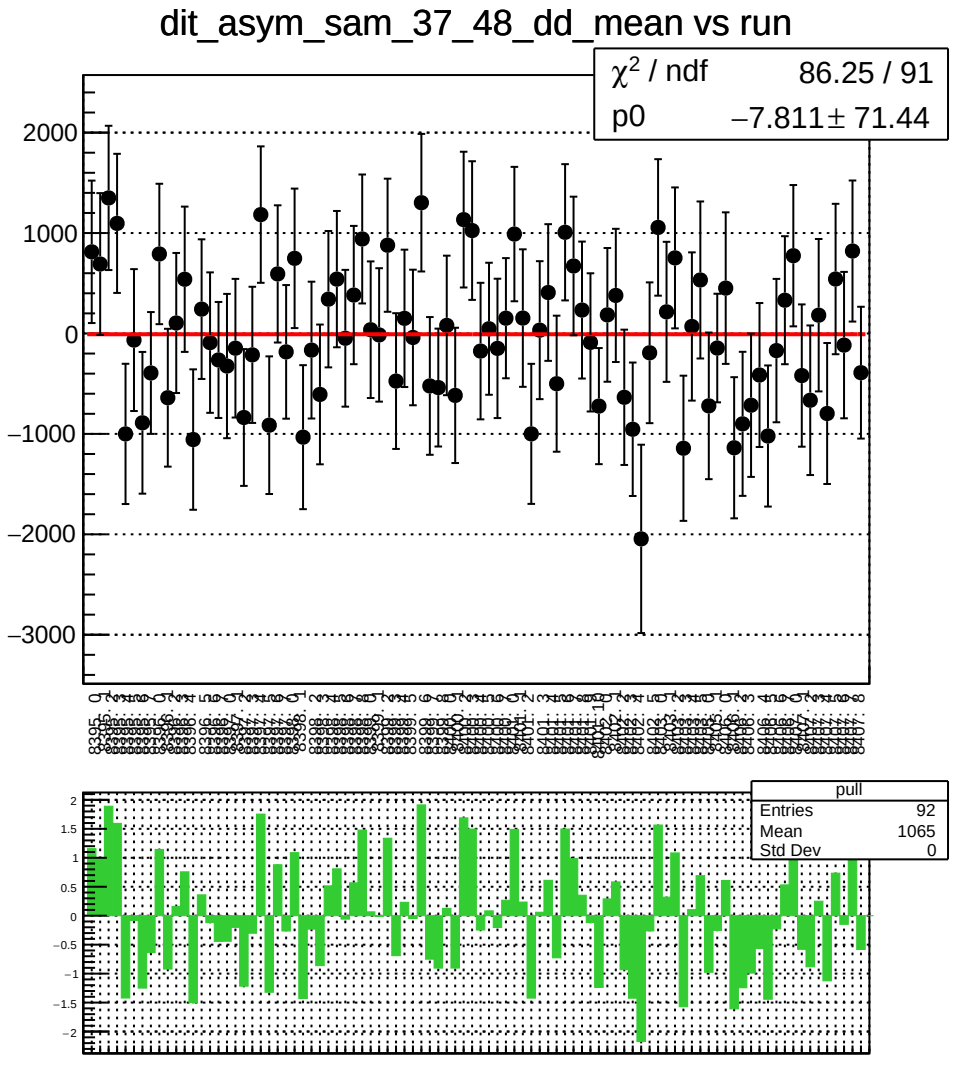

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 84.88 / 91
p0 −68.83 ± 57.96
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 92
Mean −1393
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.0022
Std Dev 0.9605
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

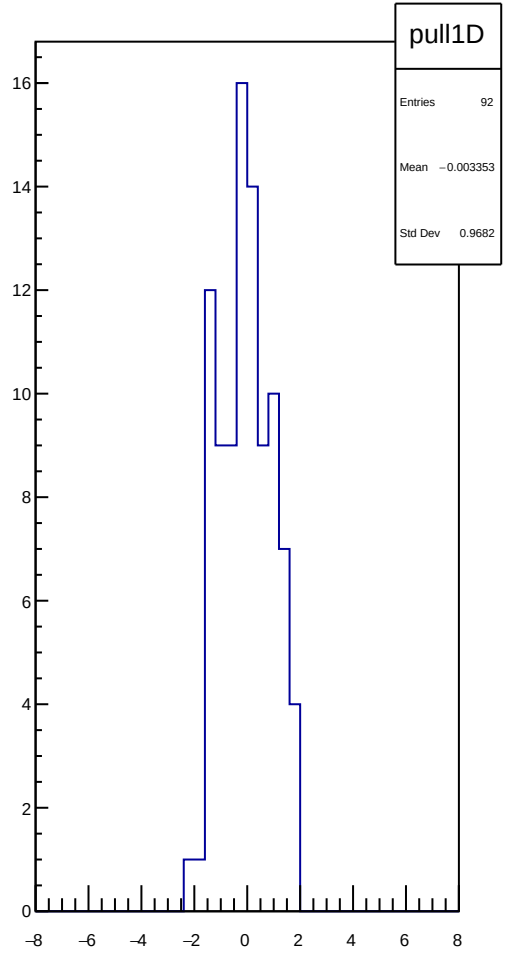

eigen_cor_asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 2423 / 91
p0 53.76 ± 0.04098
68
66
64
62
60
58
56
54
52
50

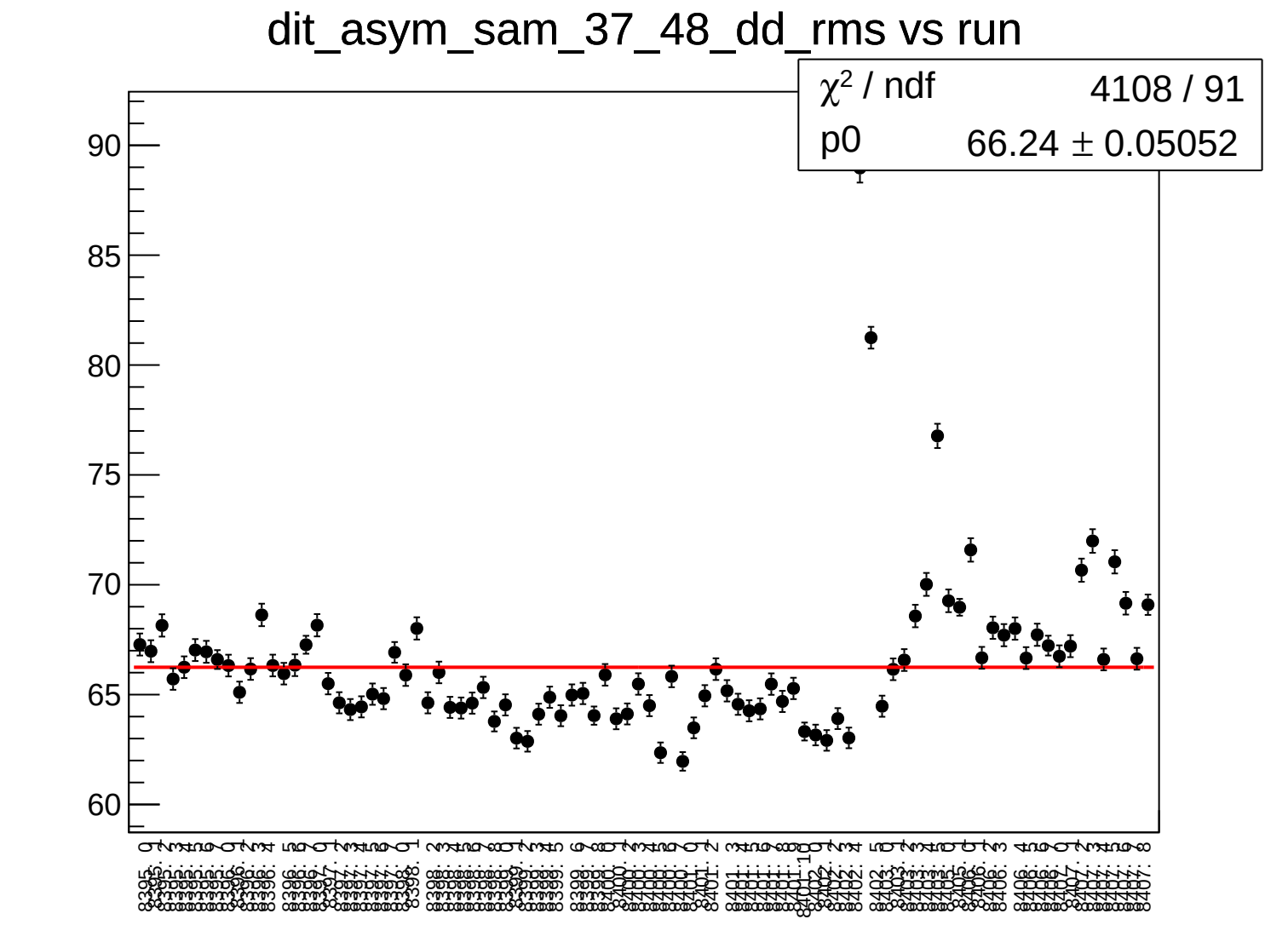

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.86 / 91
p0 508 ± 420.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −640.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

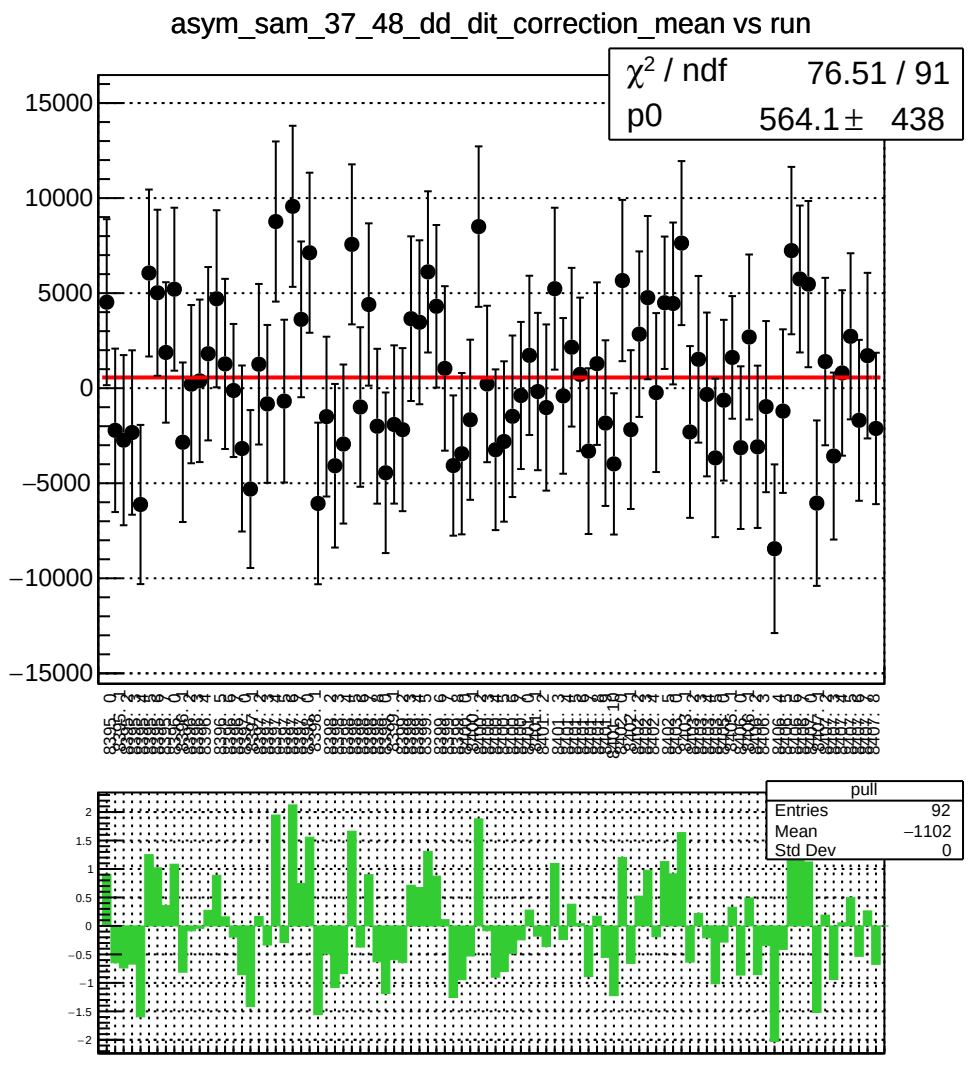

pull1D
Entries 92
Mean 0.00145
Std Dev 0.9258
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

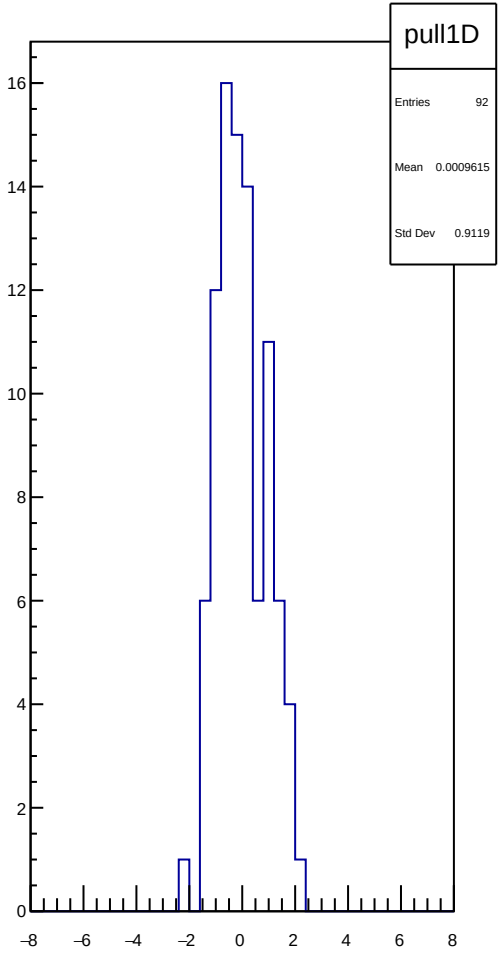

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1277 / 91
p0 390 ± 0.2971
430
420
410
400
390
380
370
360

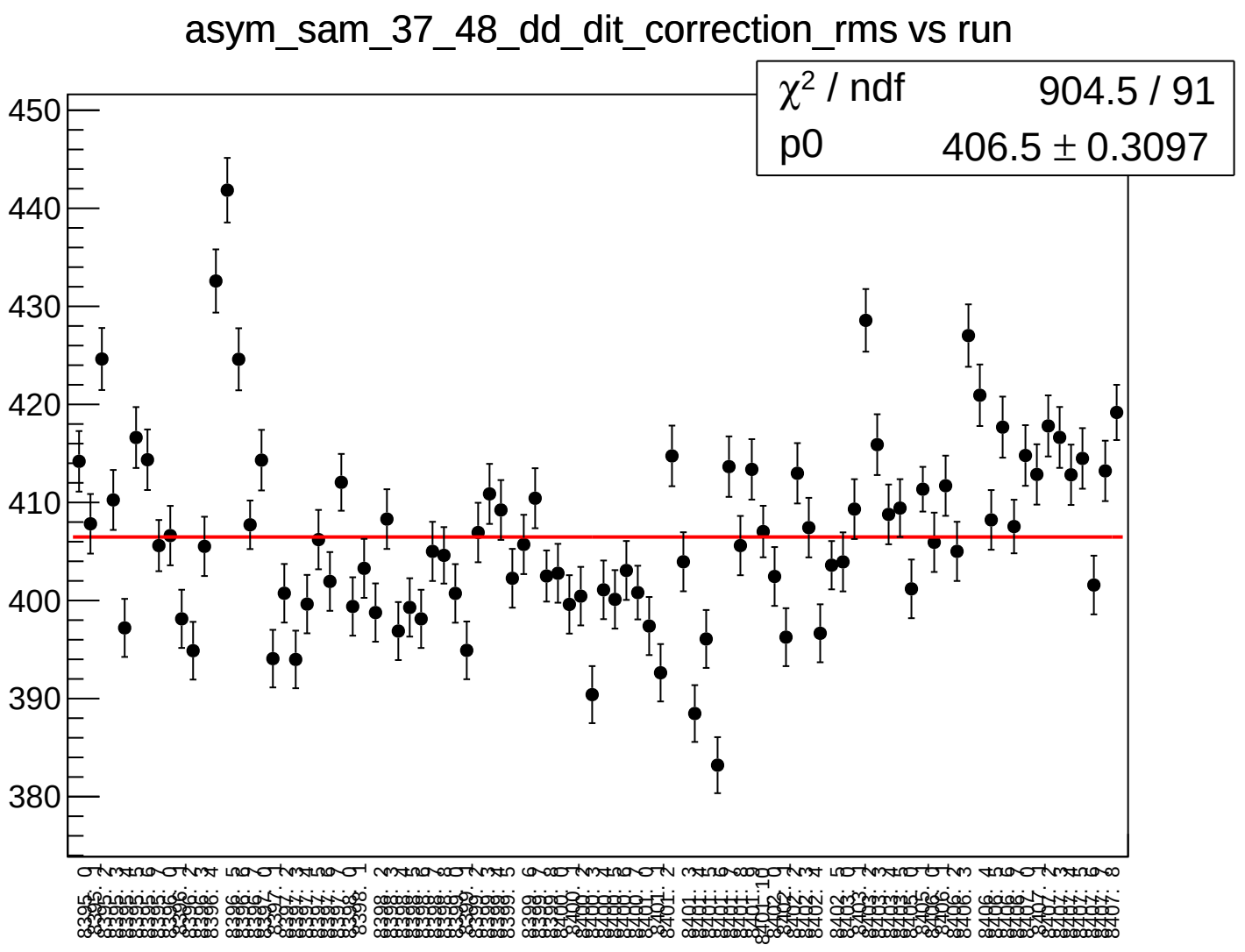

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 86.25 / 91
p0 −7.811 ± 71.44
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 1065
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

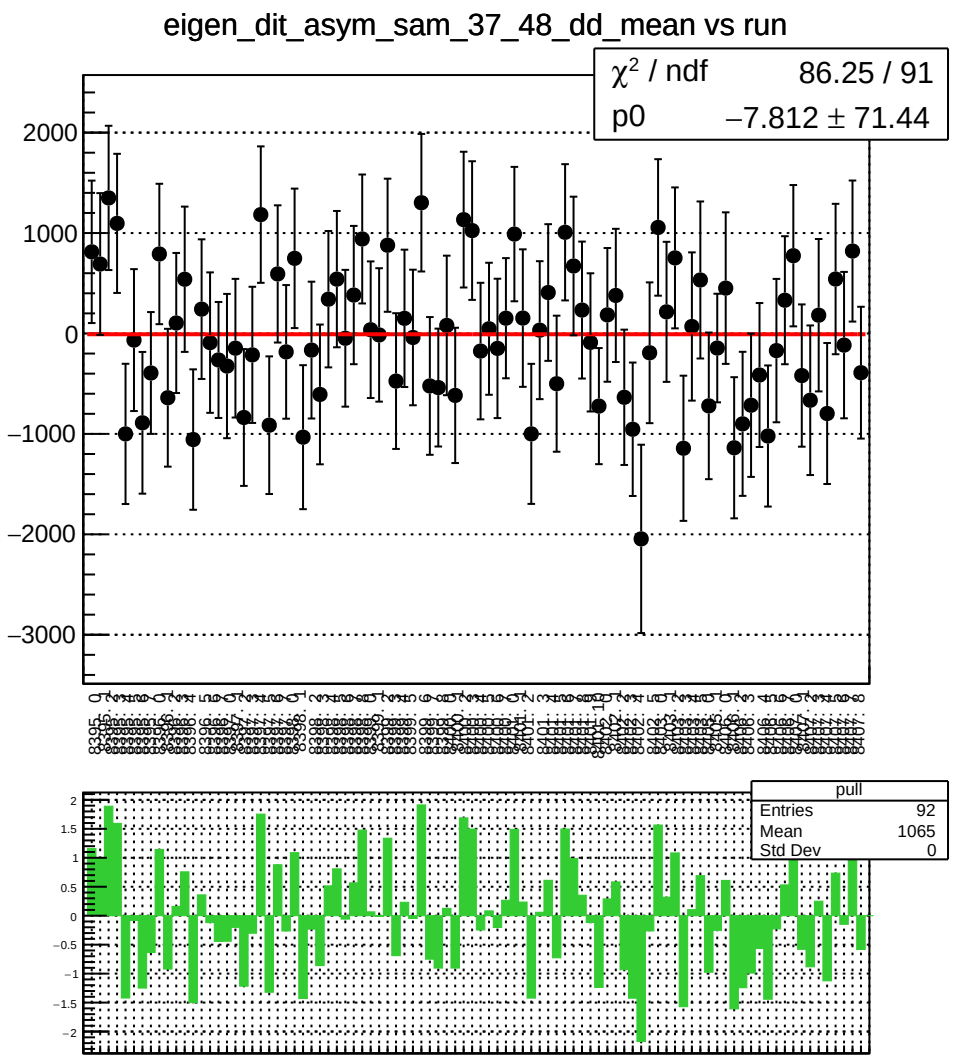

pull1D
Entries 92
Mean −0.003353
Std Dev 0.9682
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

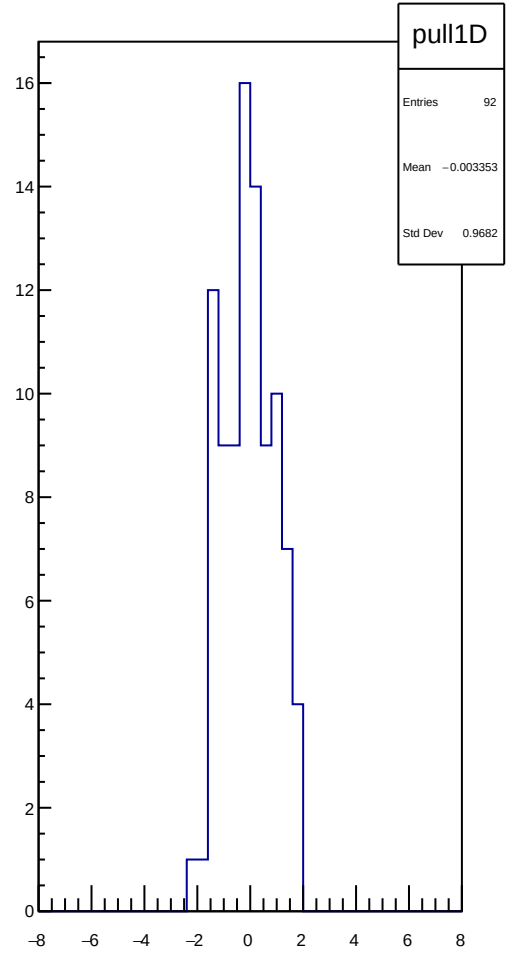

dit_asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 4108 / 91
p0 66.24 ± 0.05052
90
85
80
75
70
65
60

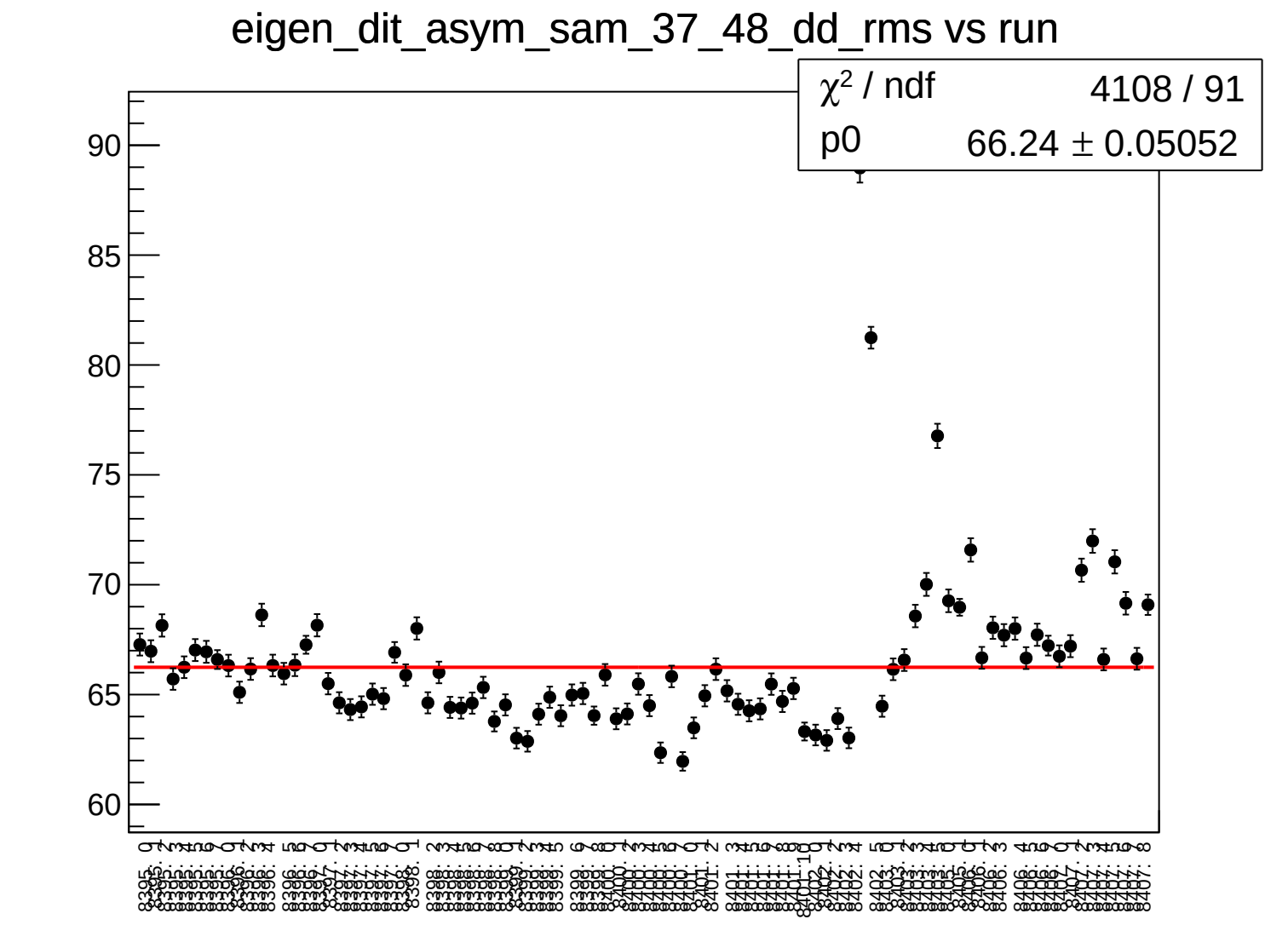

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 76.51 / 91
p0 564.1 ± 438
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −1102
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

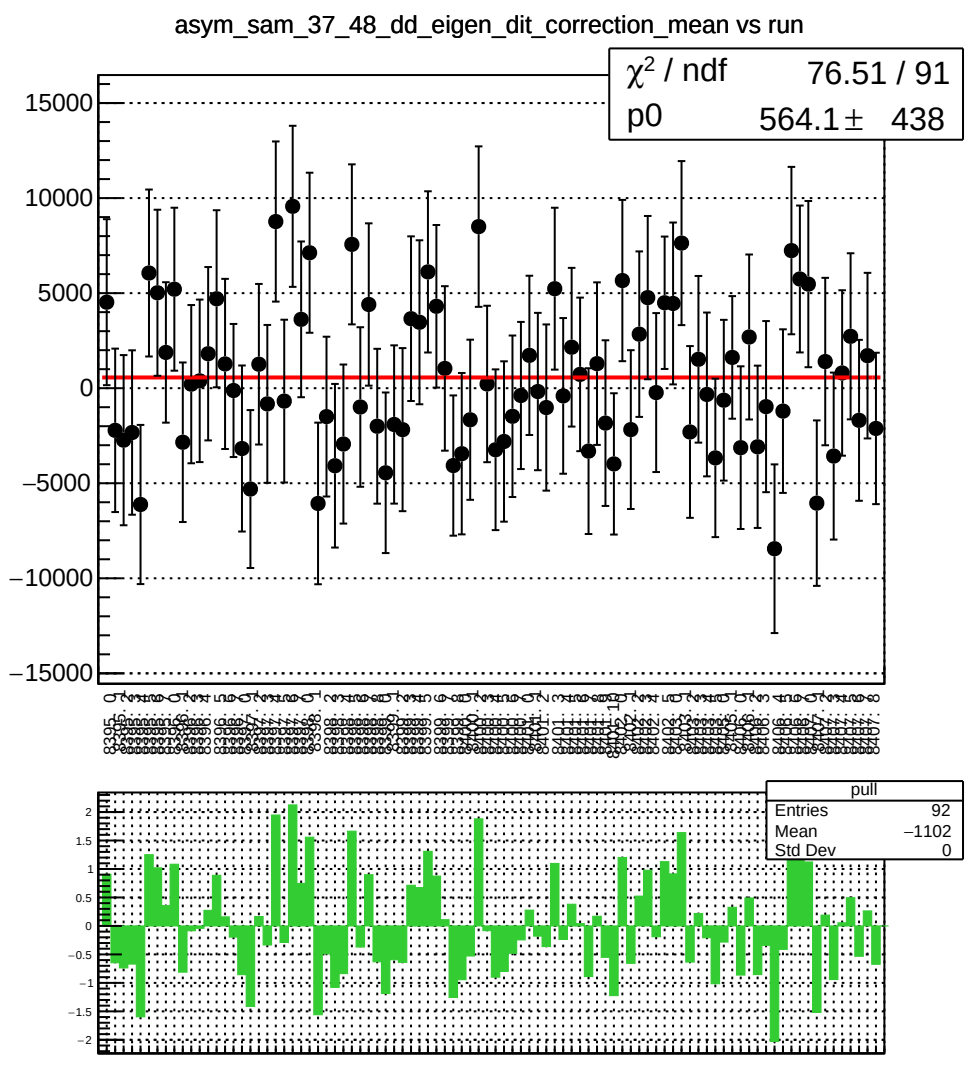

pull1D
Entries 92
Mean 0.0009615
Std Dev 0.9119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

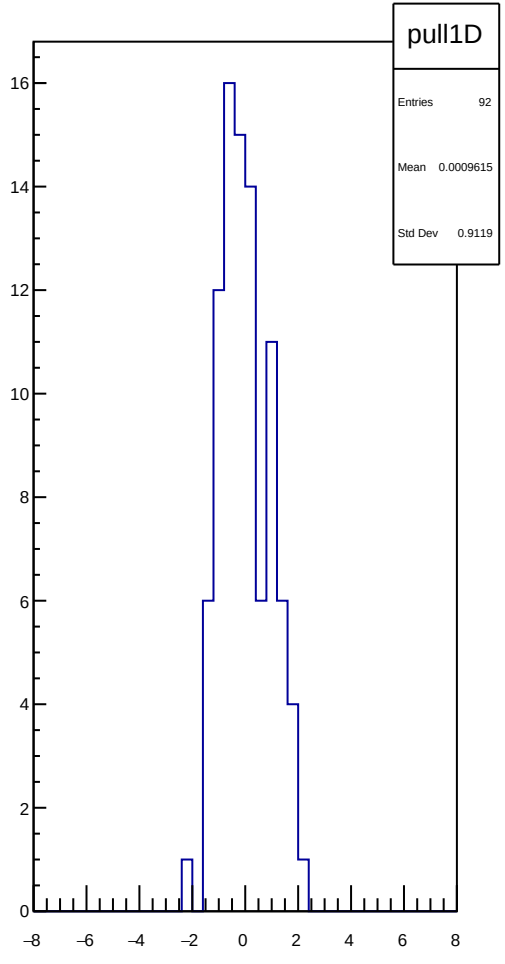

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 904.5 / 91
p0 406.5 ± 0.3097
450
440
430
420
410
400
390
380

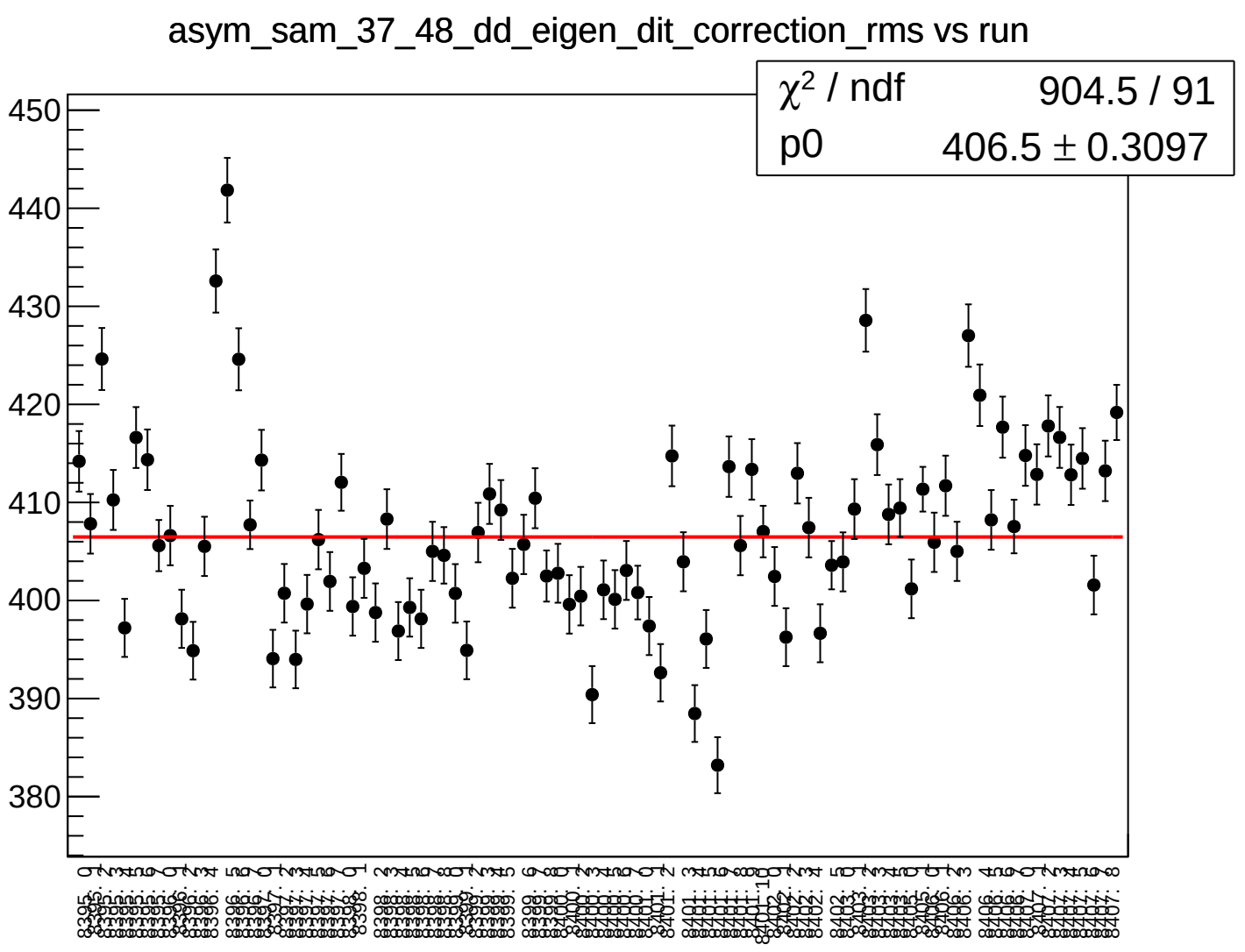

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 86.25 / 91
p0 −7.812 ± 71.44
2000
1000
0
−1000
−2000
−3000
pull
Entries 92
Mean 1065
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

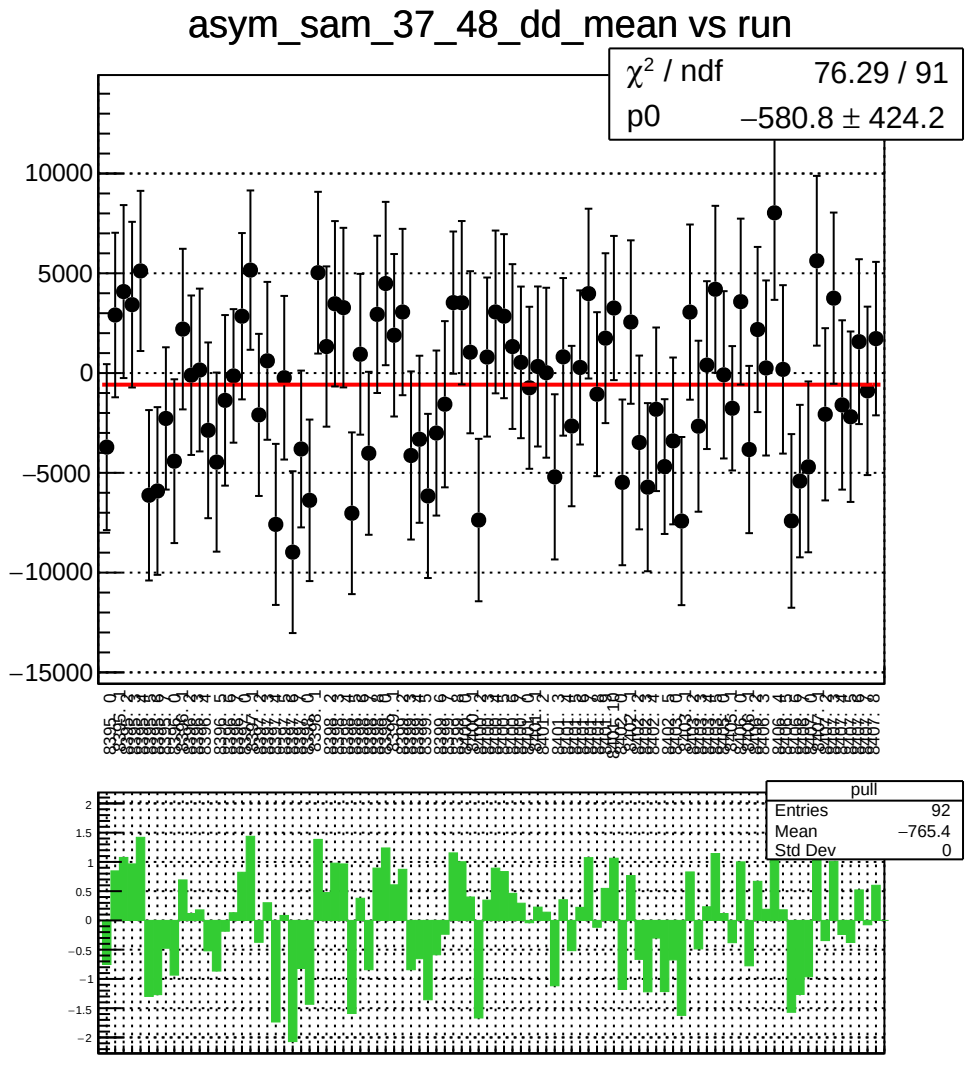

pull1D
Entries 92
Mean −0.003353
Std Dev 0.9682
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

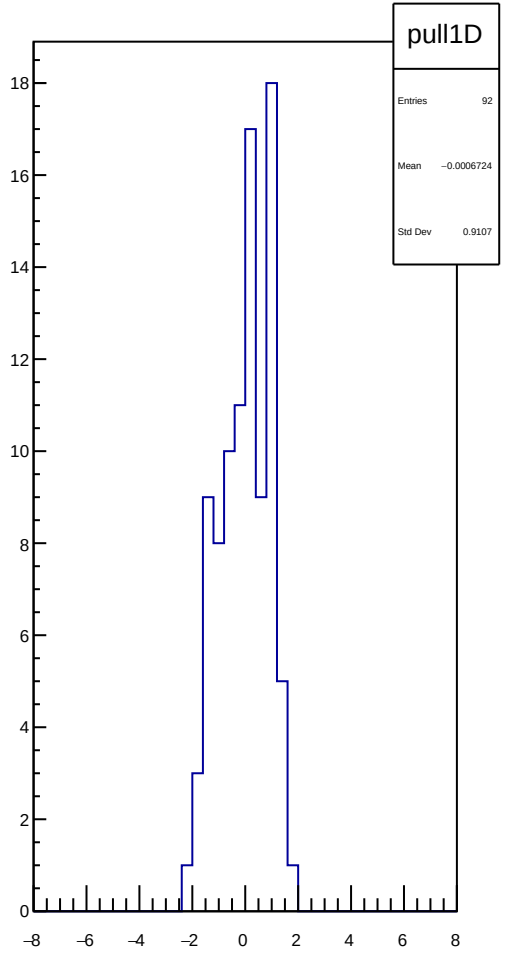

eigen_dit_asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 4108 / 91
p0 66.24 ± 0.05052
90
85
80
75
70
65
60

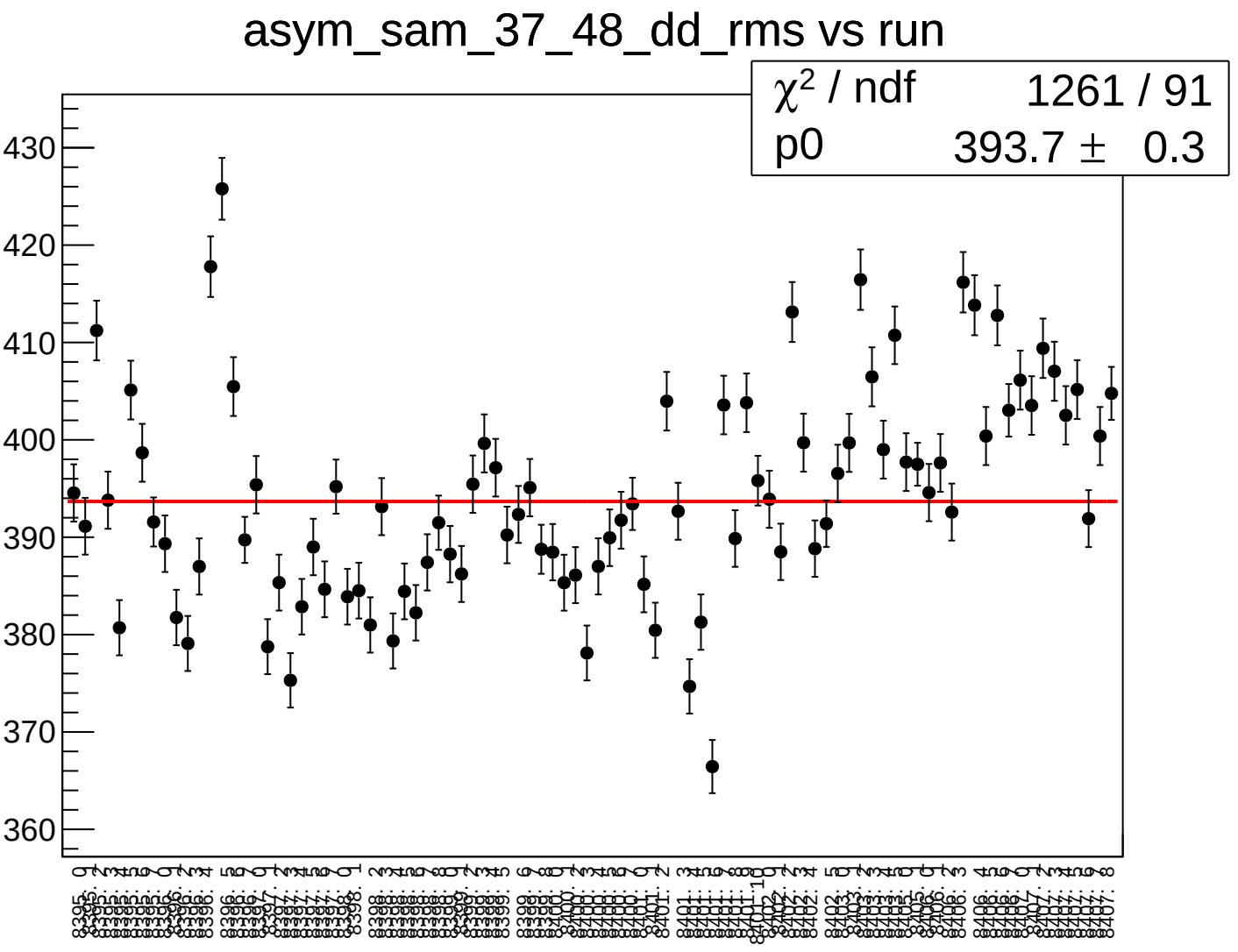

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.51 / 91
p0 564.1 ± 438
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −1102
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

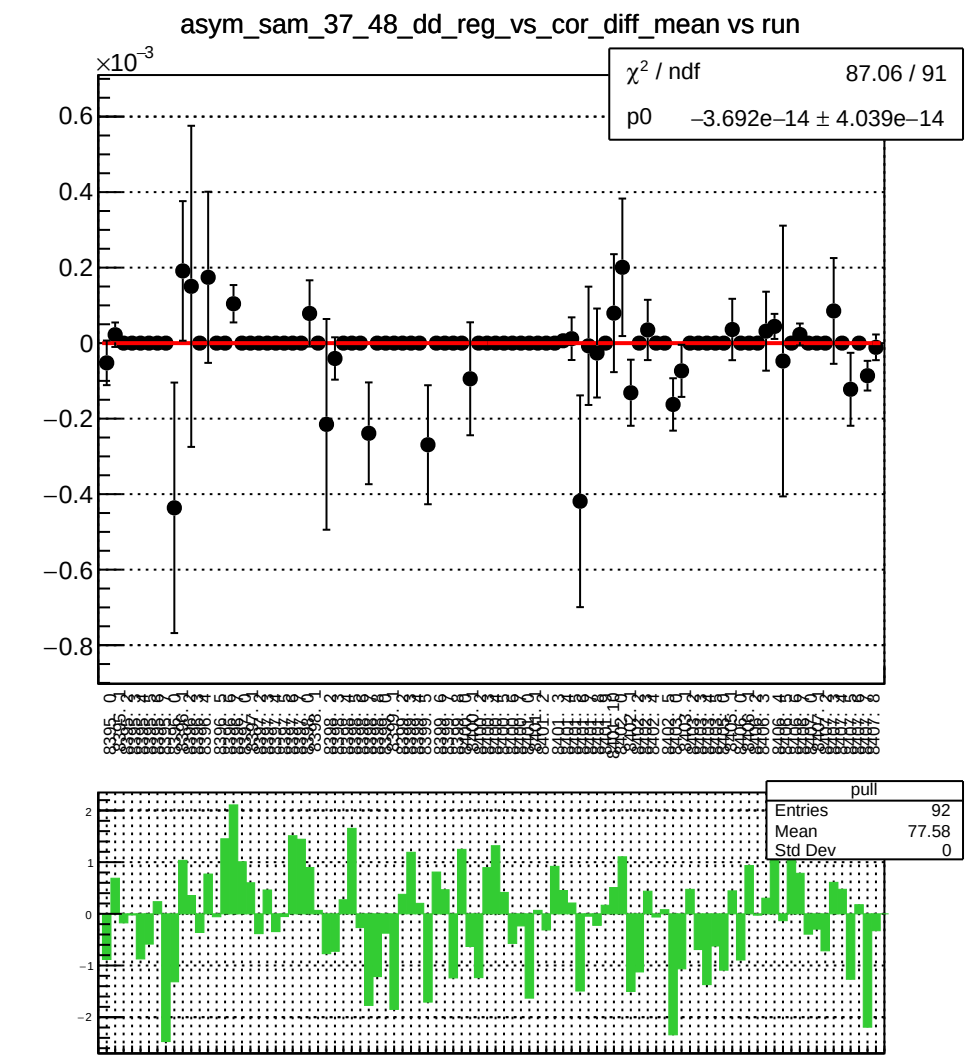

pull1D
Entries 92
Mean 0.0009615
Std Dev 0.9119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

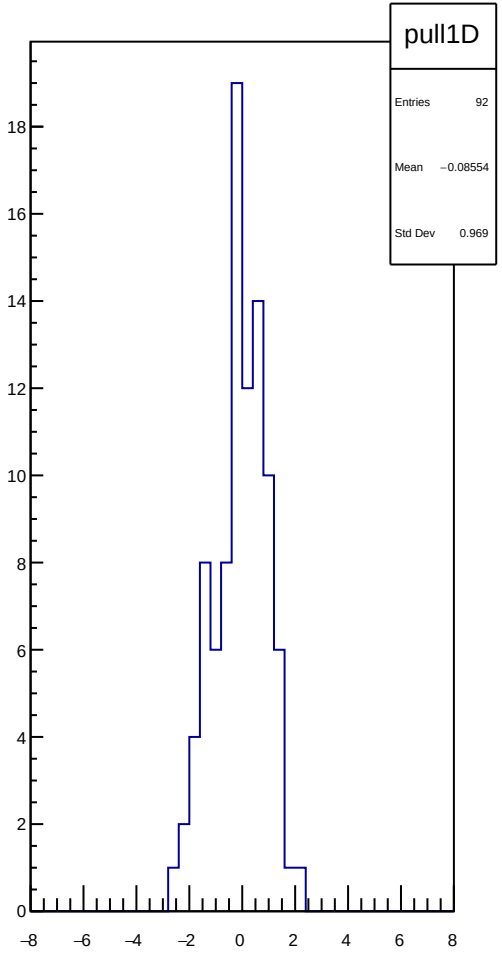

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 904.5 / 91
p0 406.5 ± 0.3097
450
440
430
420
410
400
390
380

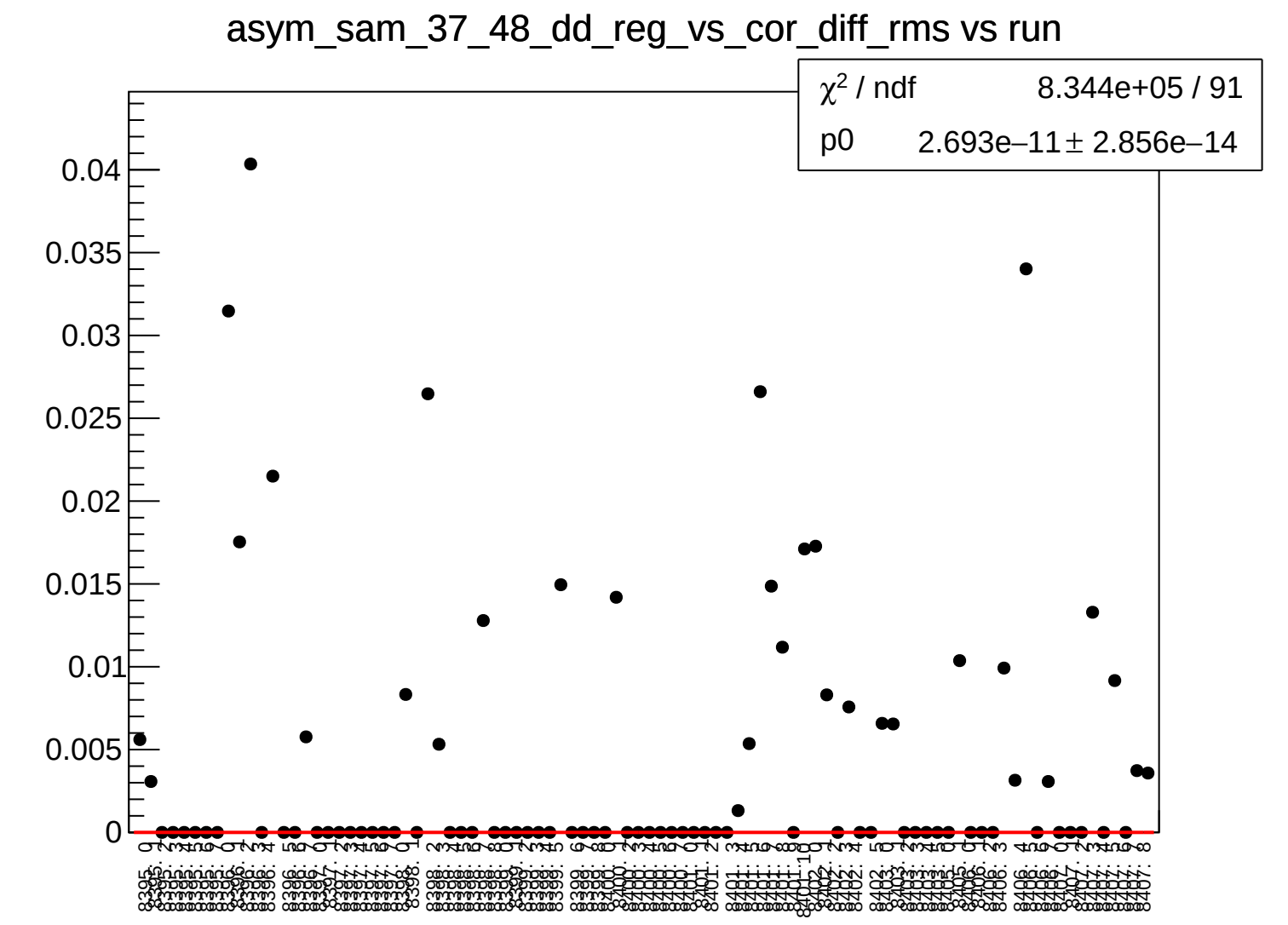

asym_sam_37_48_dd_mean vs run
χ² / ndf 76.29 / 91
p0 −580.8 ± 424.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean −765.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

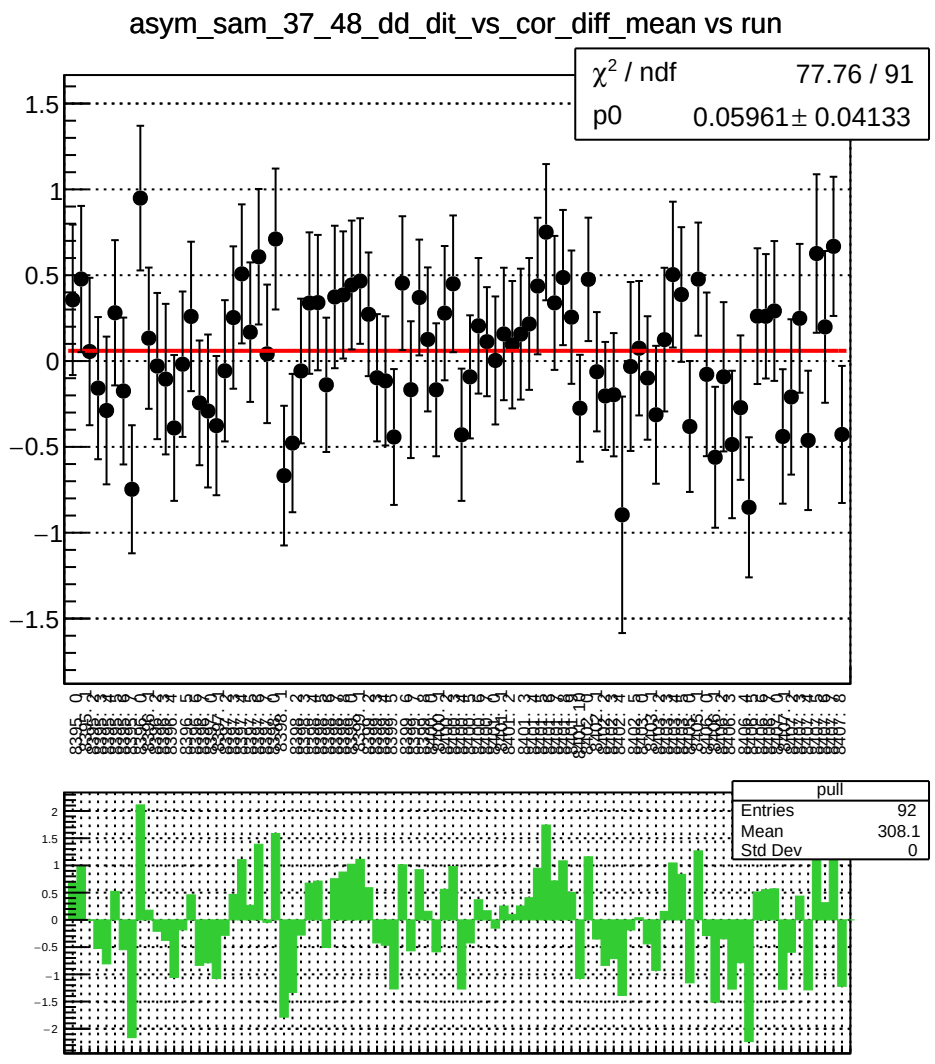

pull1D
Entries 92
Mean −0.0006724
Std Dev 0.9107
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

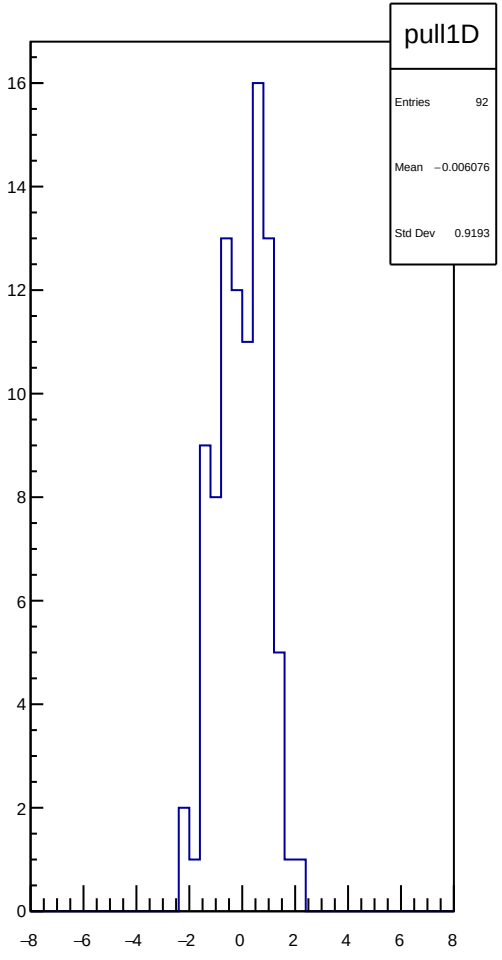

asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 1261 / 91
p0 393.7 ± 0.3
430
420
410
400
390
380
370
360

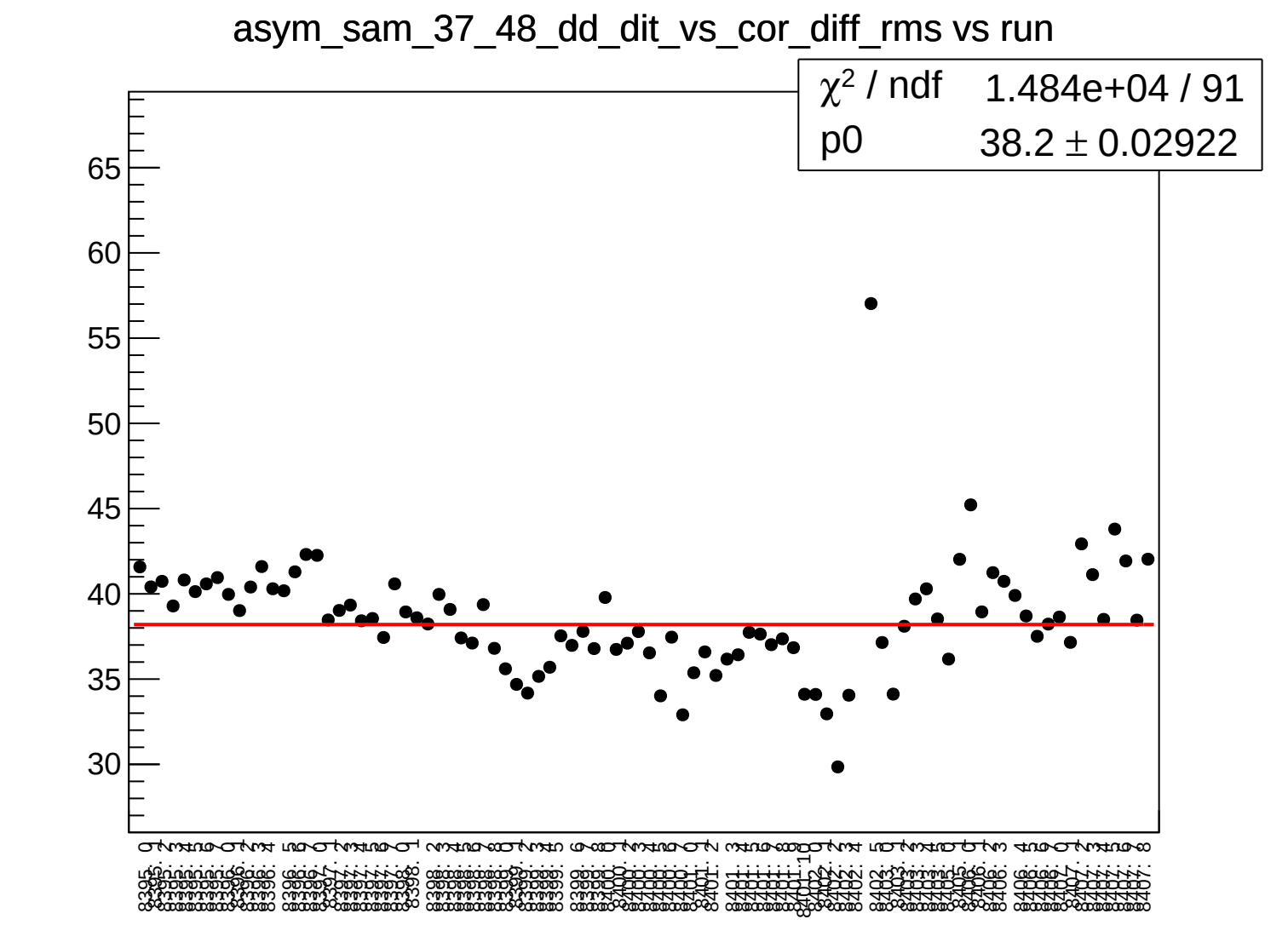

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 87.06 / 91
p0 −3.692e−14 ± 4.039e−14
pull
Entries 92
Mean 77.58
Std Dev 0

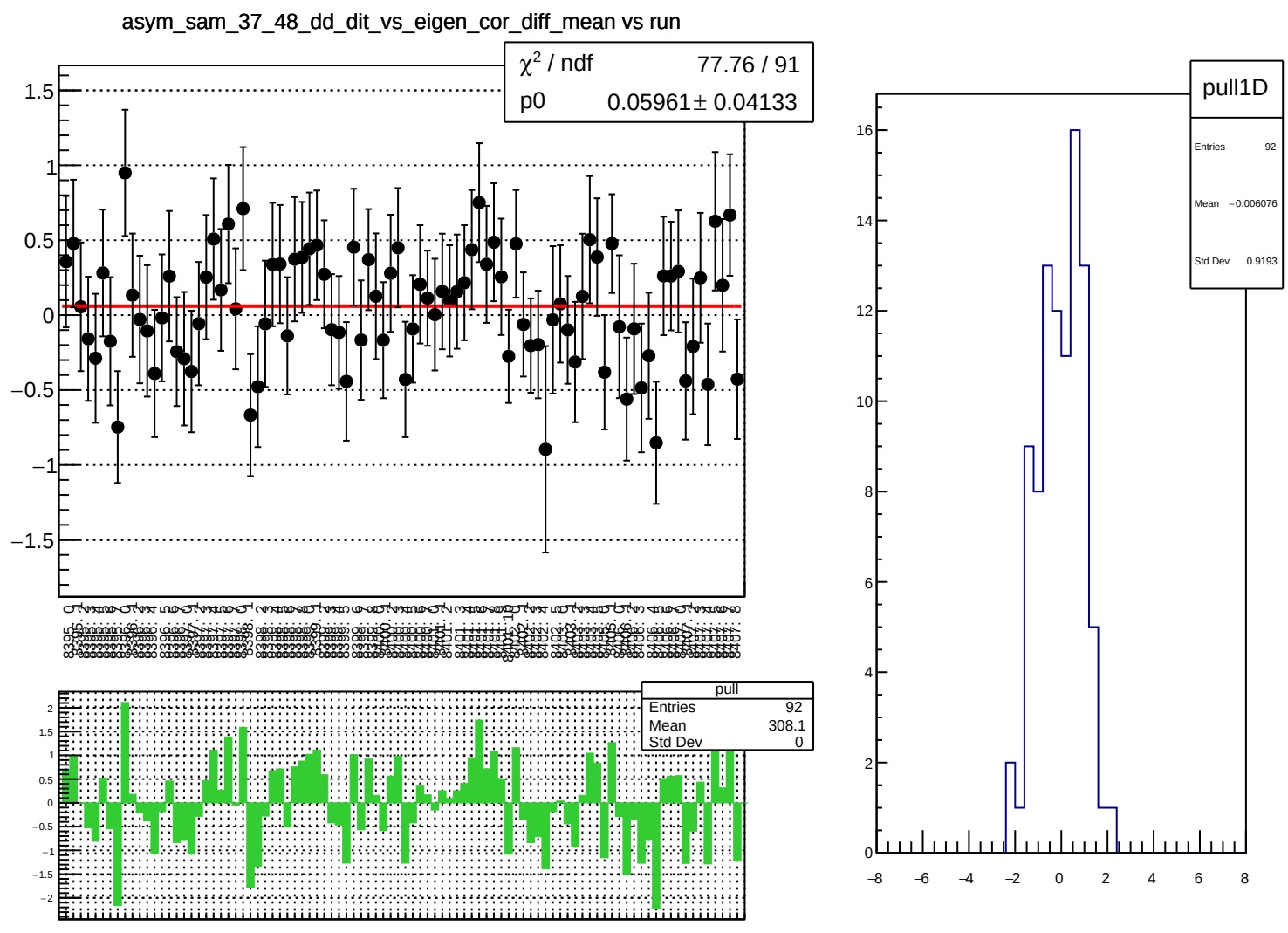

pull1D
Entries 92
Mean −0.08554
Std Dev 0.969

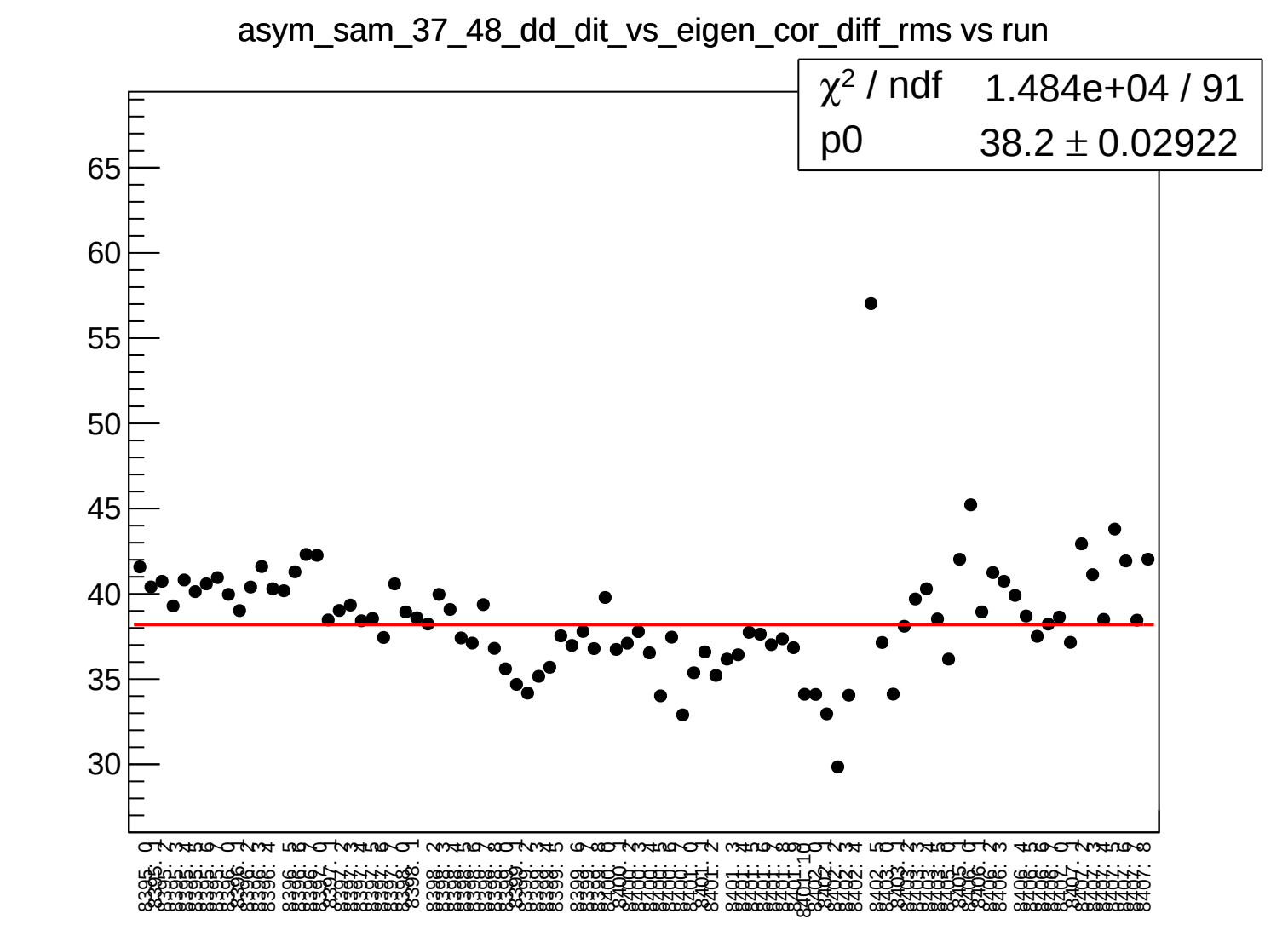

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.344e+05 / 91
p0 2.693e−11 ± 2.856e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

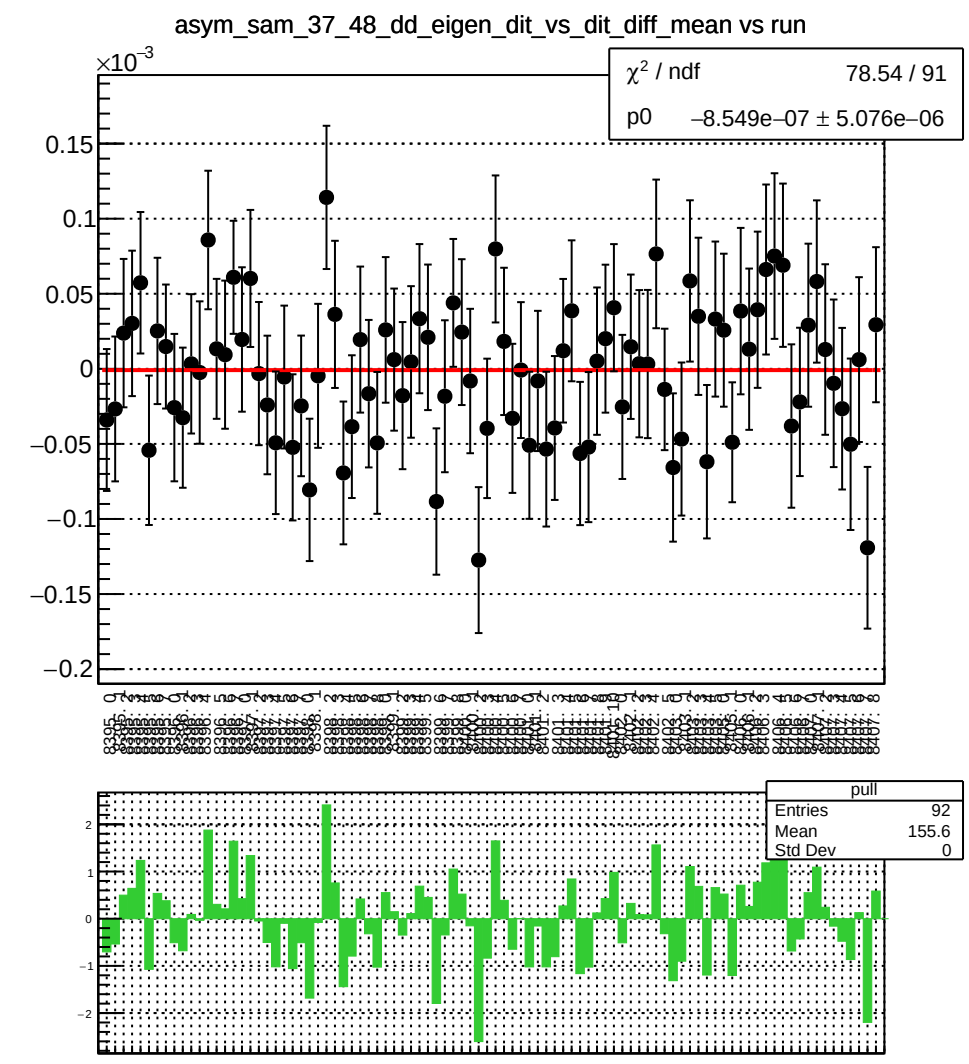

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.76 / 91
p0 0.05961 ± 0.04133
pull
Entries 92
Mean 308.1
Std Dev 0

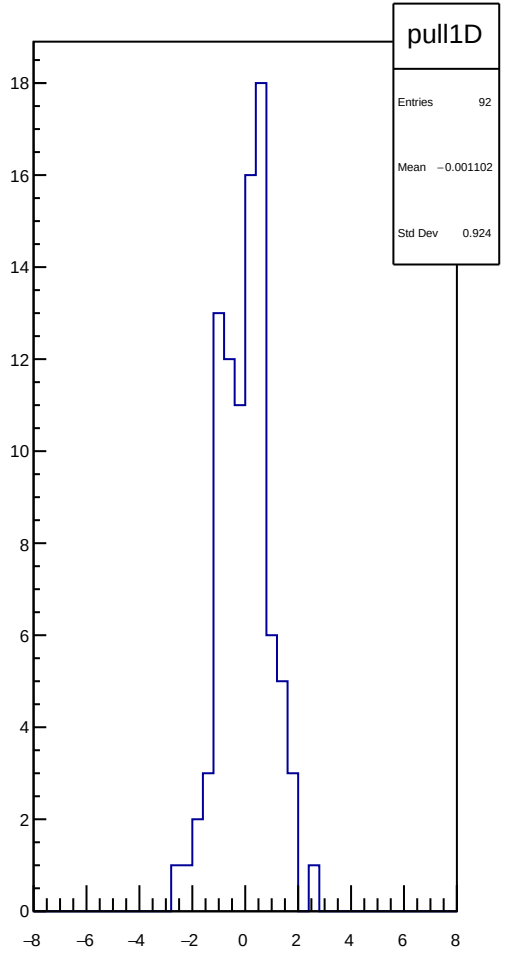

pull1D
Entries 92
Mean −0.006076
Std Dev 0.9193

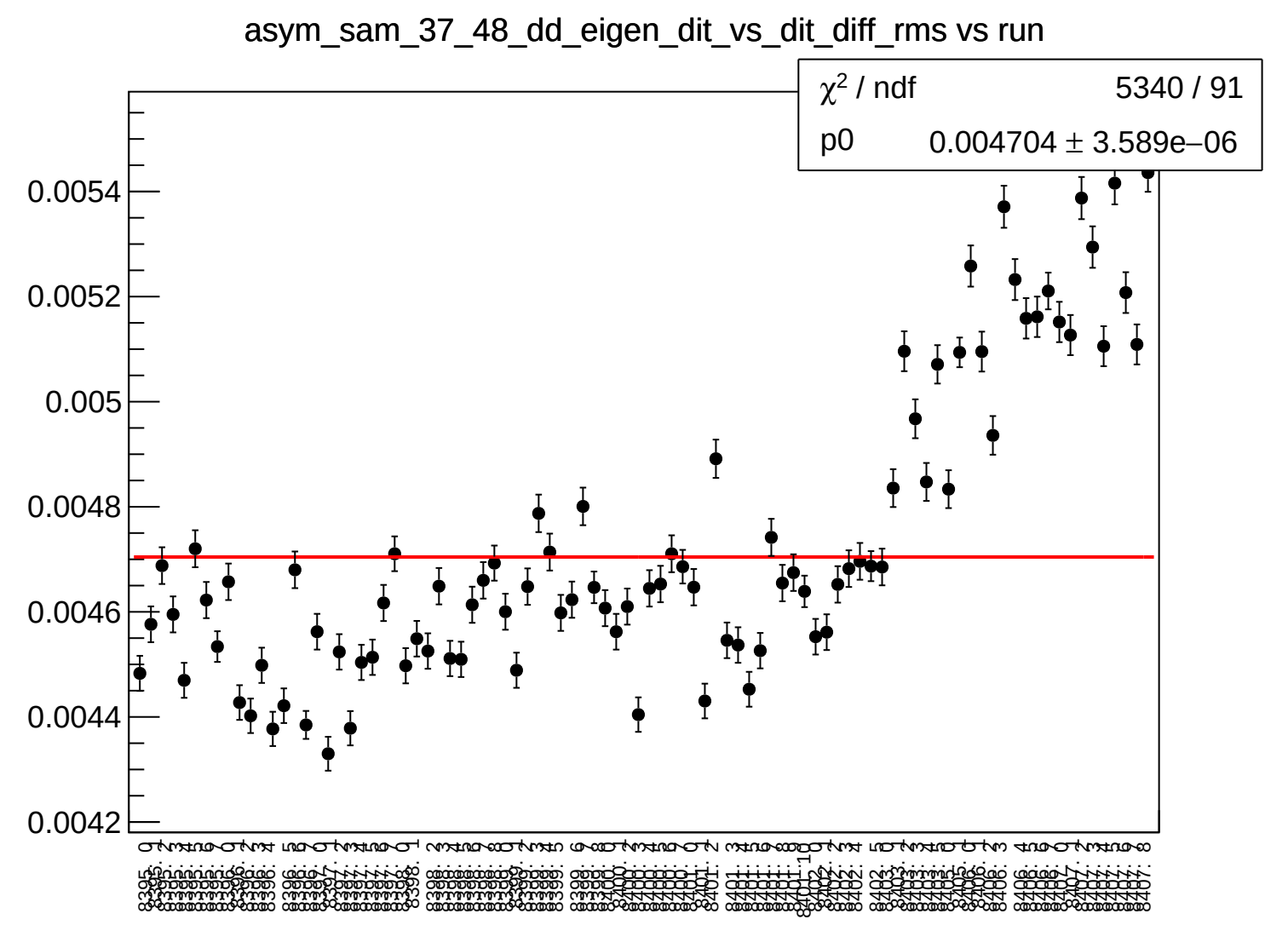

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.484e+04 / 91
p0 38.2 ± 0.02922
65
60
55
50
45
40
35
30

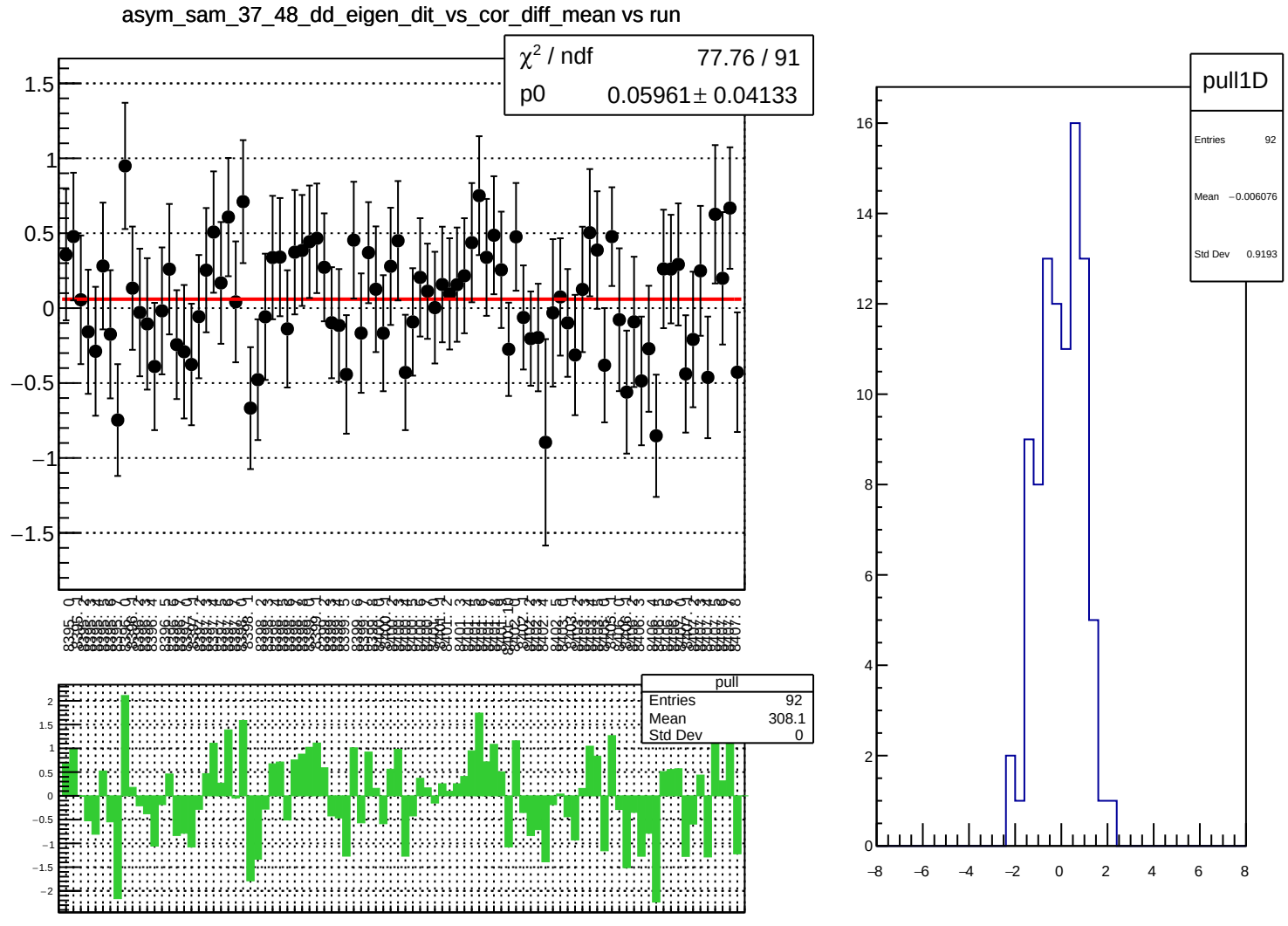

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.76 / 91
p0 0.05961 ± 0.04133
pull
Entries 92
Mean 308.1
Std Dev 0
pull1D
Entries 92
Mean −0.006076
Std Dev 0.9193

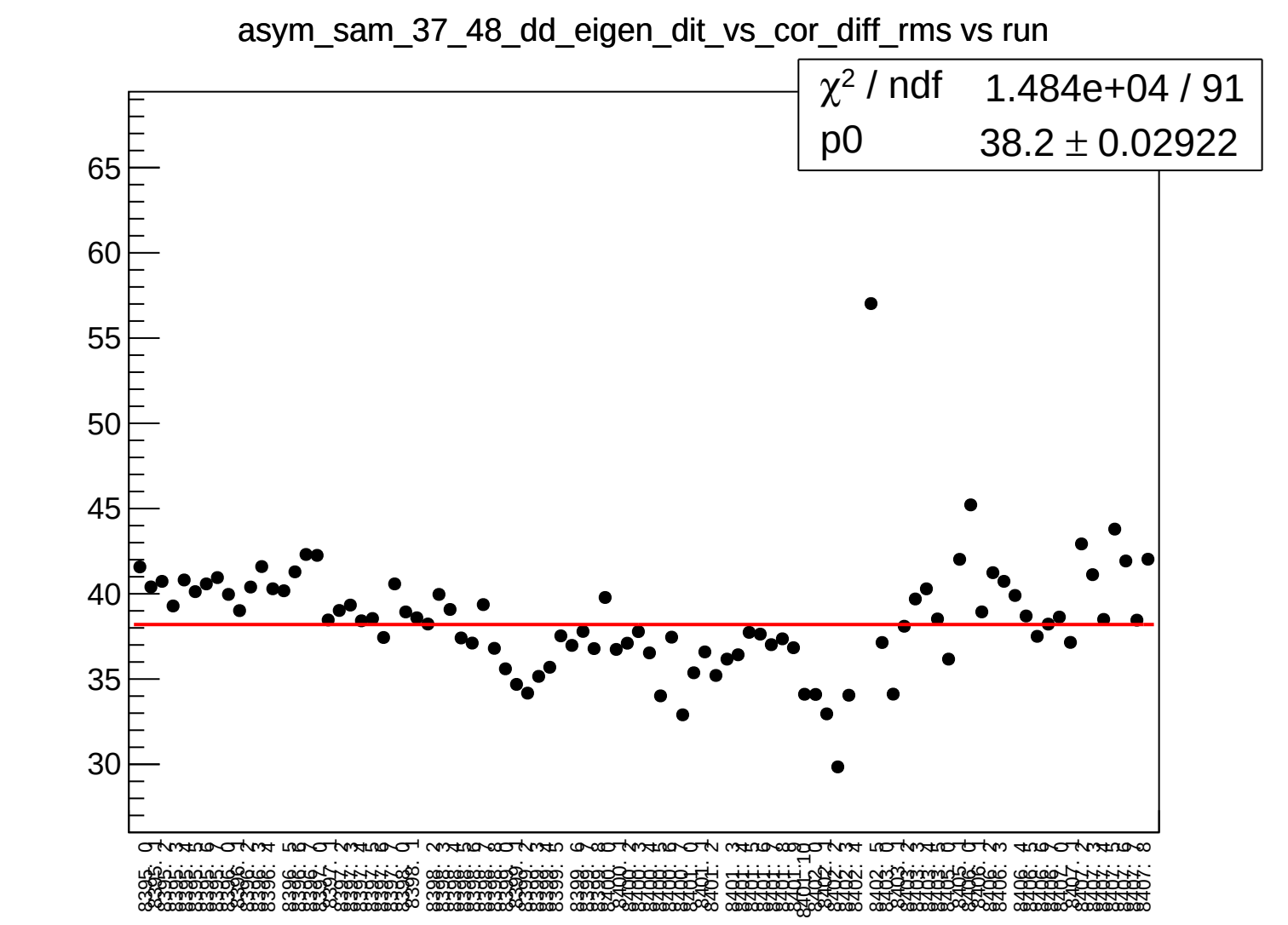

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.484e+04 / 91
p0 38.2 ± 0.02922
65
60
55
50
45
40
35
30

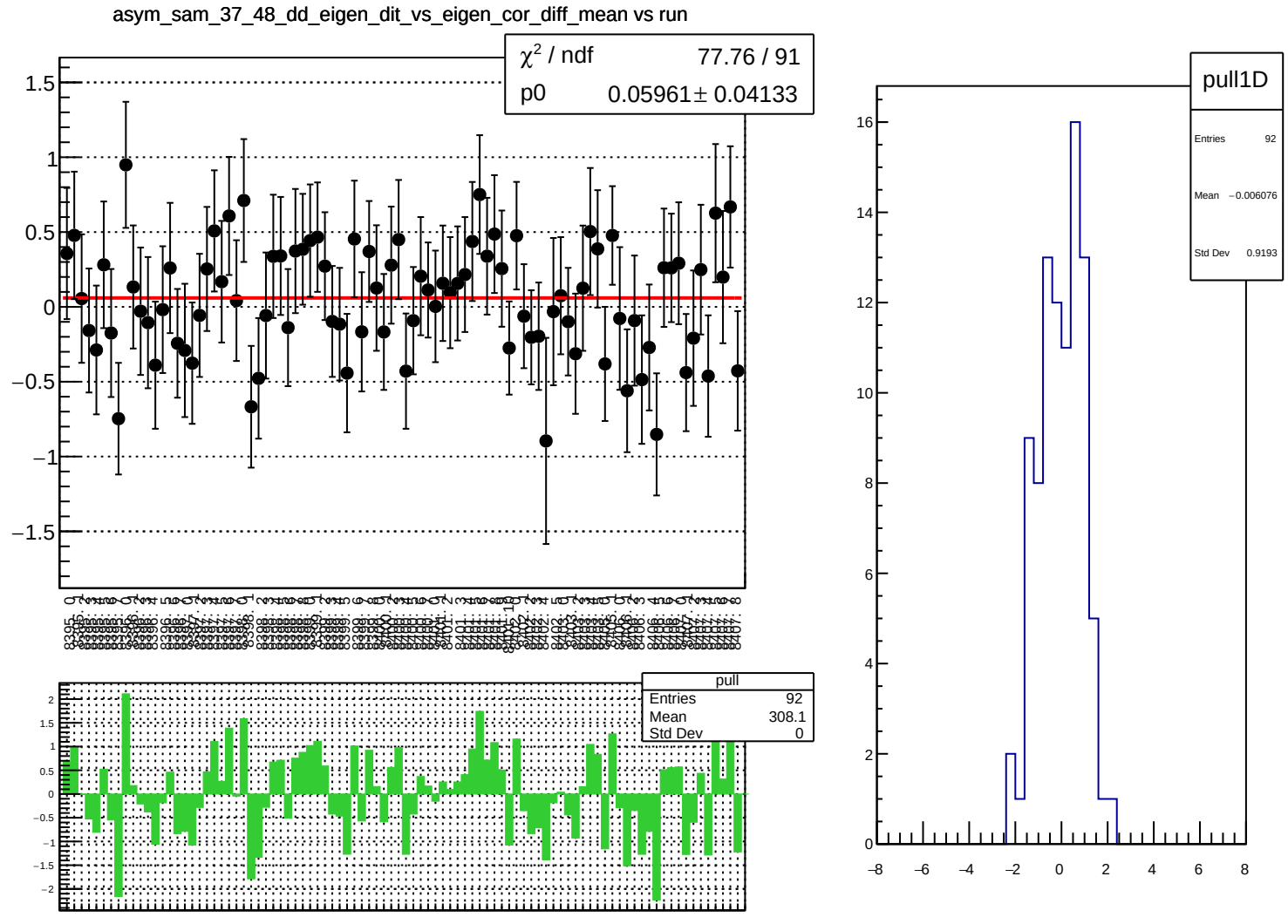

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 78.54 / 91
p0 −8.549e−07 ± 5.076e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 92
Mean 155.6
Std Dev 0
2
1
0
−1
−2

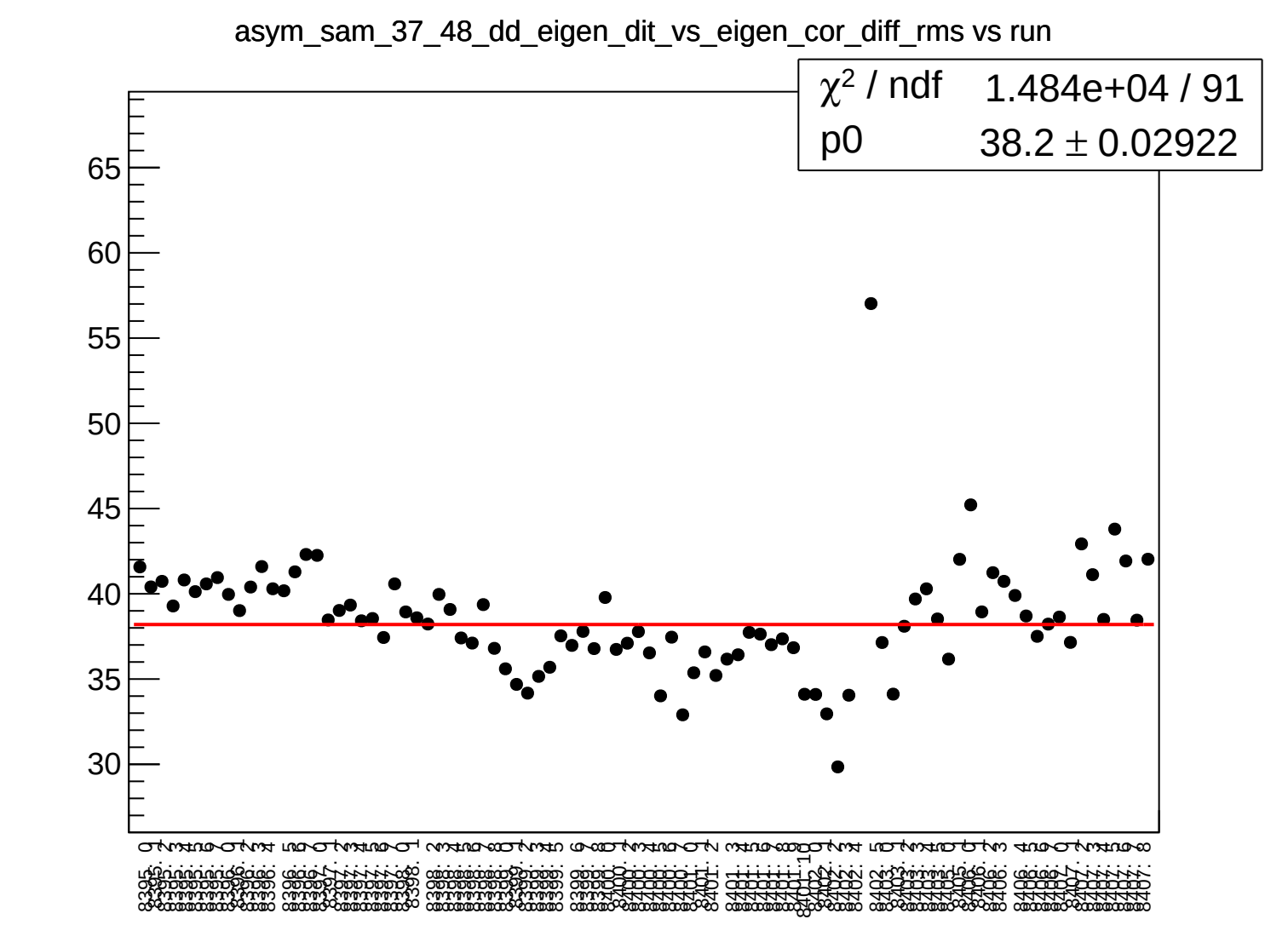

pull1D
Entries 92
Mean −0.001102
Std Dev 0.924
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

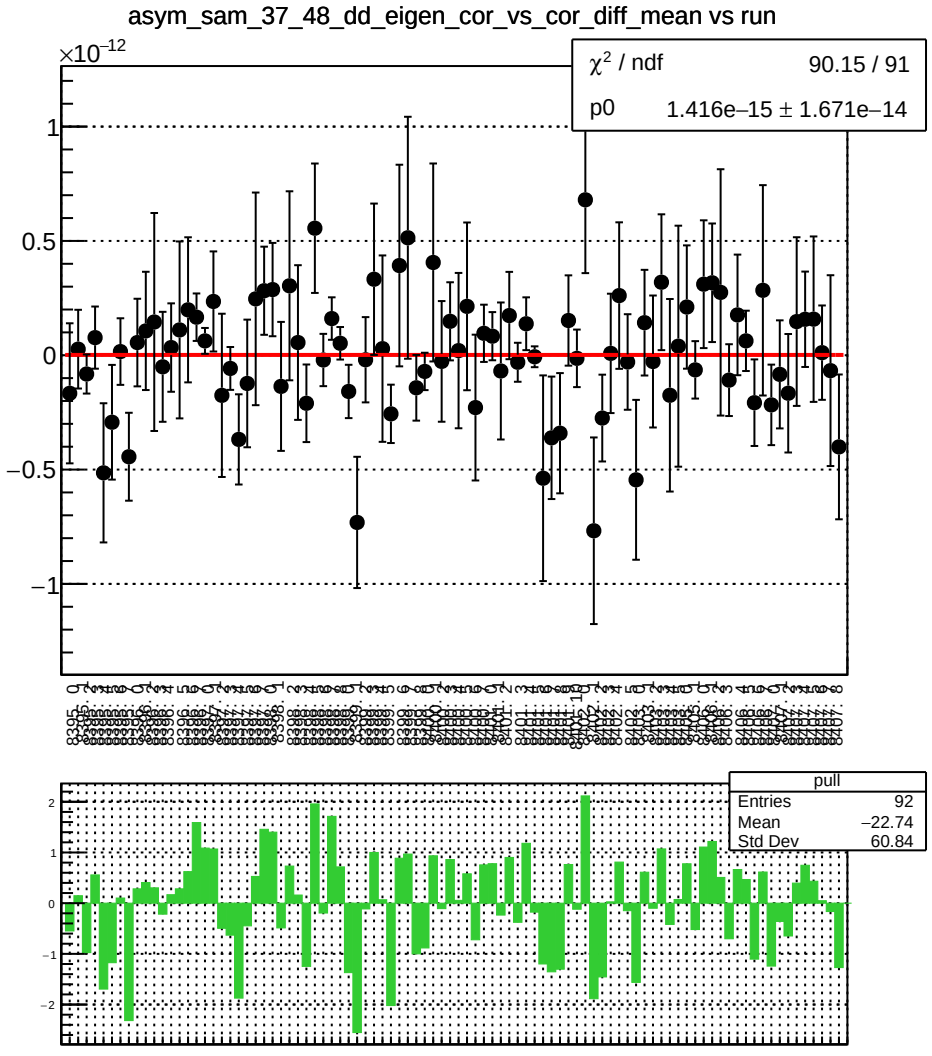

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5340 / 91
p0 0.004704 ± 3.589e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

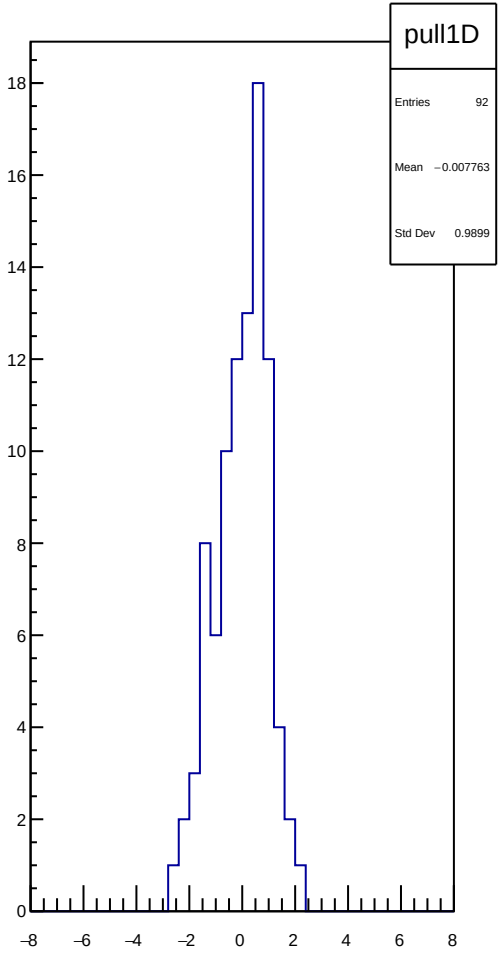

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.76 / 91
p0 0.05961 ± 0.04133
pull
Entries 92
Mean 308.1
Std Dev 0
pull1D
Entries 92
Mean −0.006076
Std Dev 0.9193

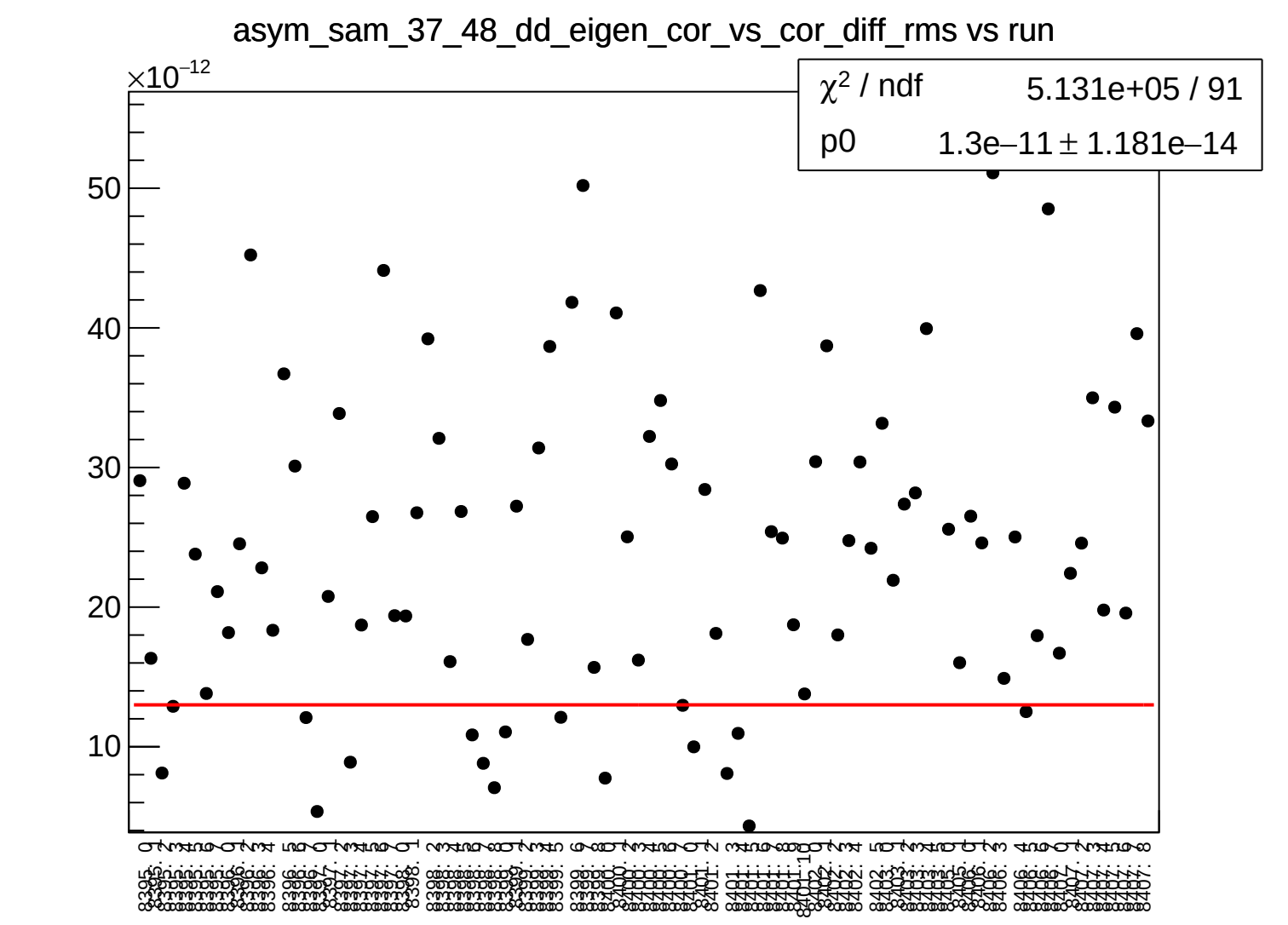

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.484e+04 / 91
p0 38.2 ± 0.02922
65
60
55
50
45
40
35
30

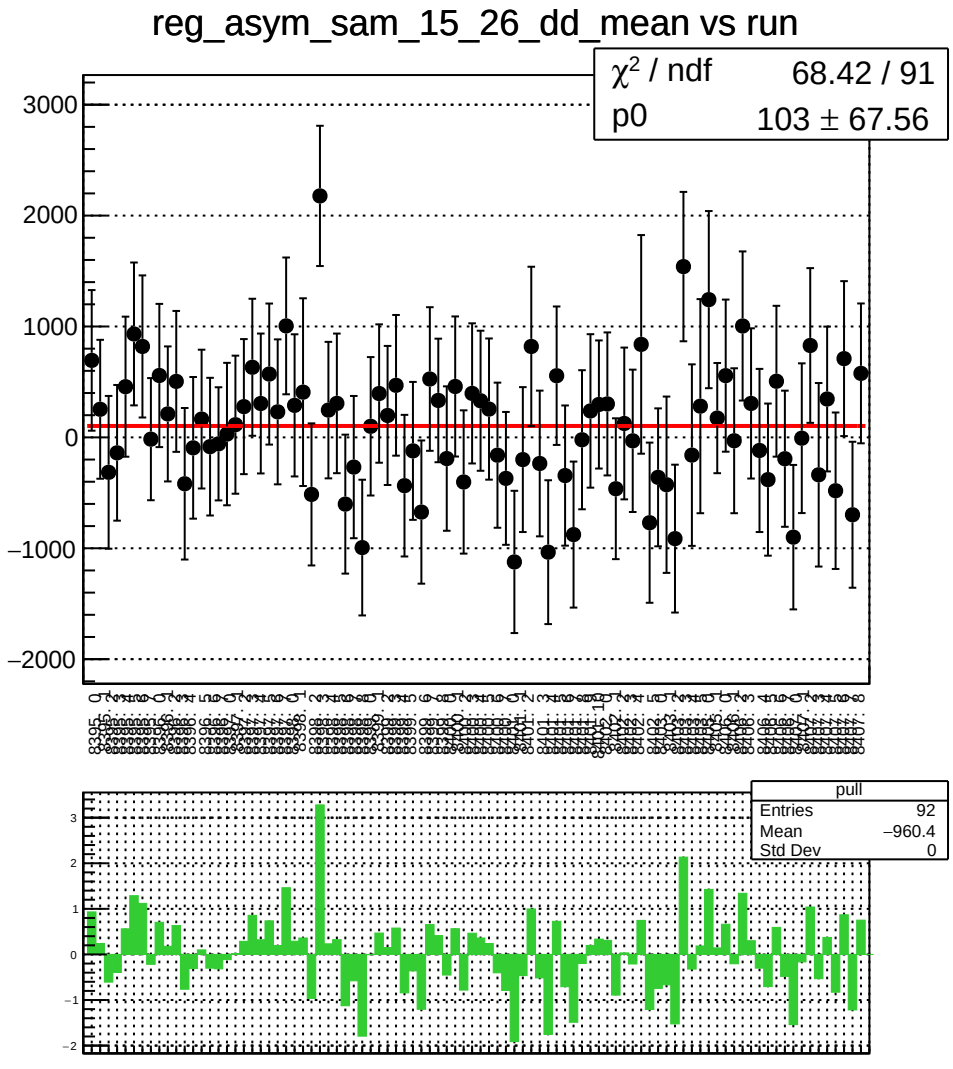

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.76 / 91
p0 0.05961 ± 0.04133
pull
Entries 92
Mean 308.1
Std Dev 0
pull1D
Entries 92
Mean −0.006076
Std Dev 0.9193

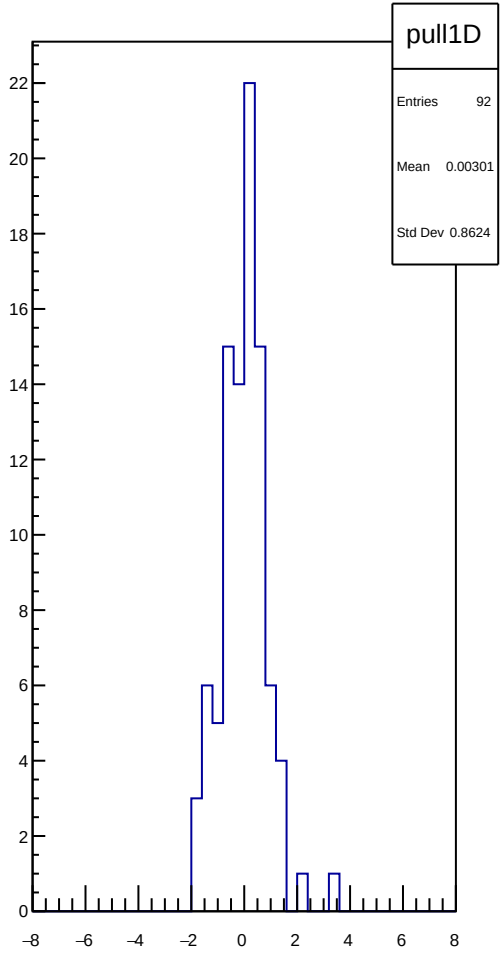

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.484e+04 / 91
p0 38.2 ± 0.02922
65
60
55
50
45
40
35
30

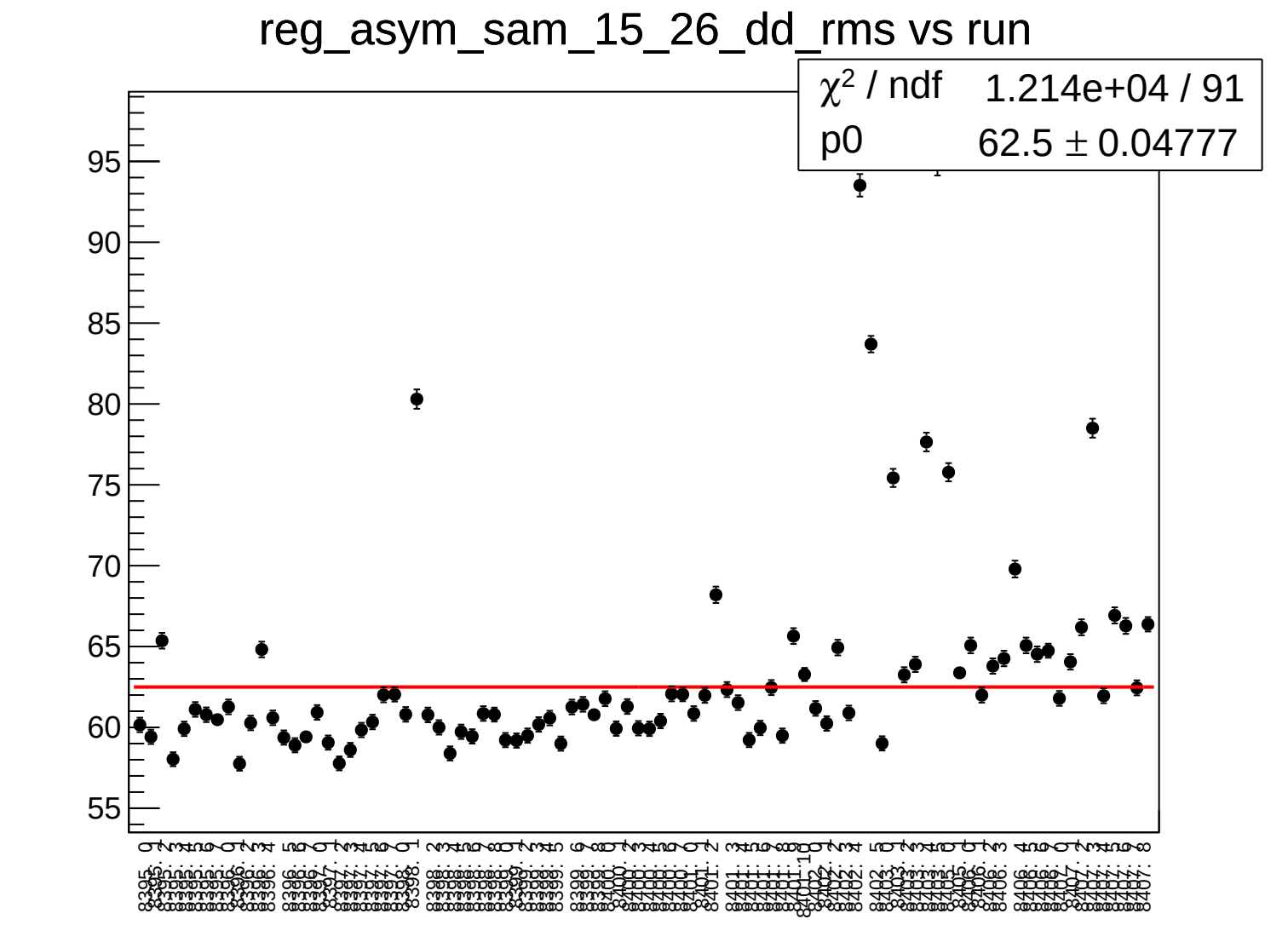

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.15 / 91
p0 1.416e−15 ± 1.671e−14
pull
Entries 92
Mean −22.74
Std Dev 60.84

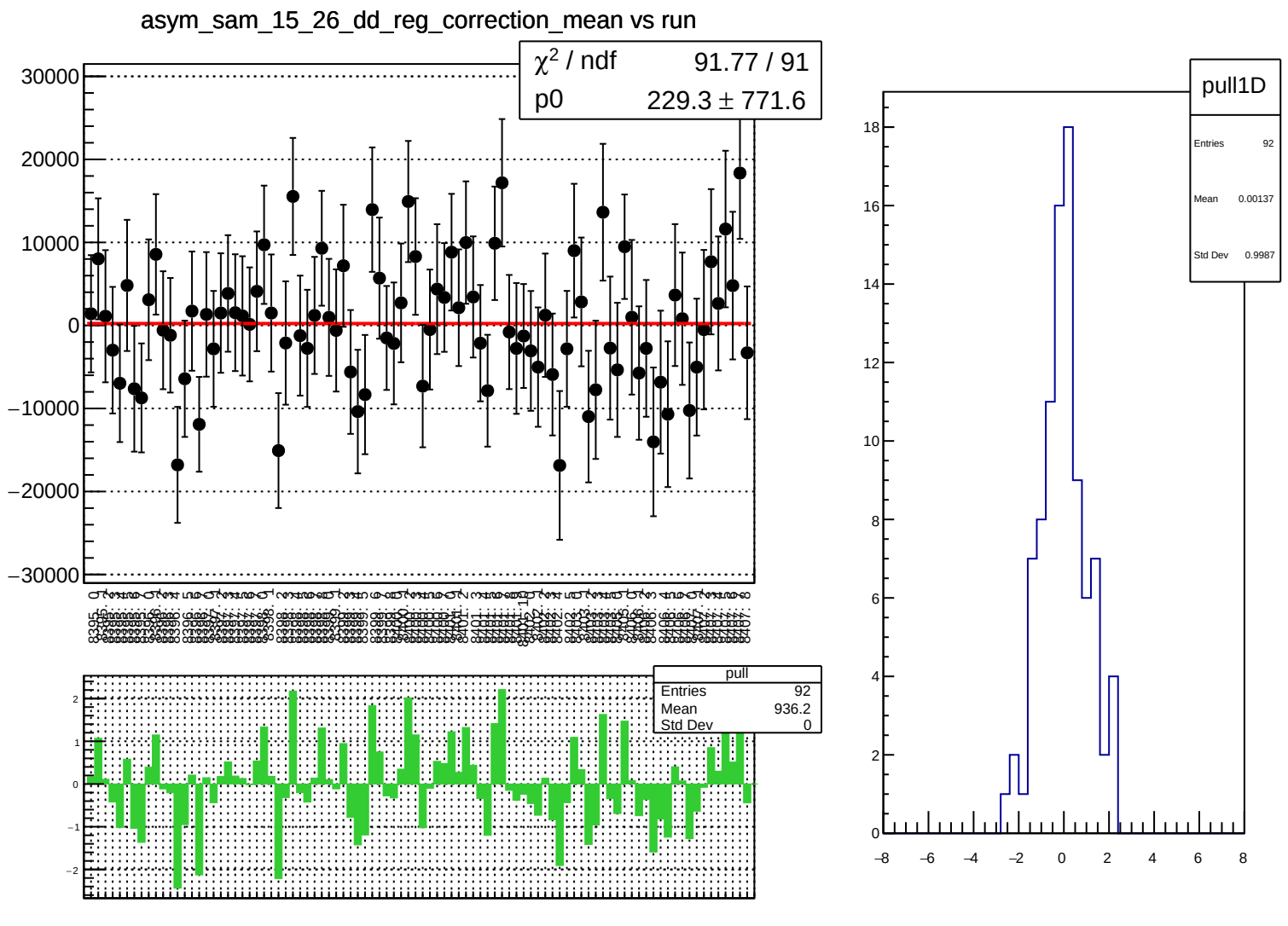

pull1D
Entries 92
Mean −0.007763
Std Dev 0.9899

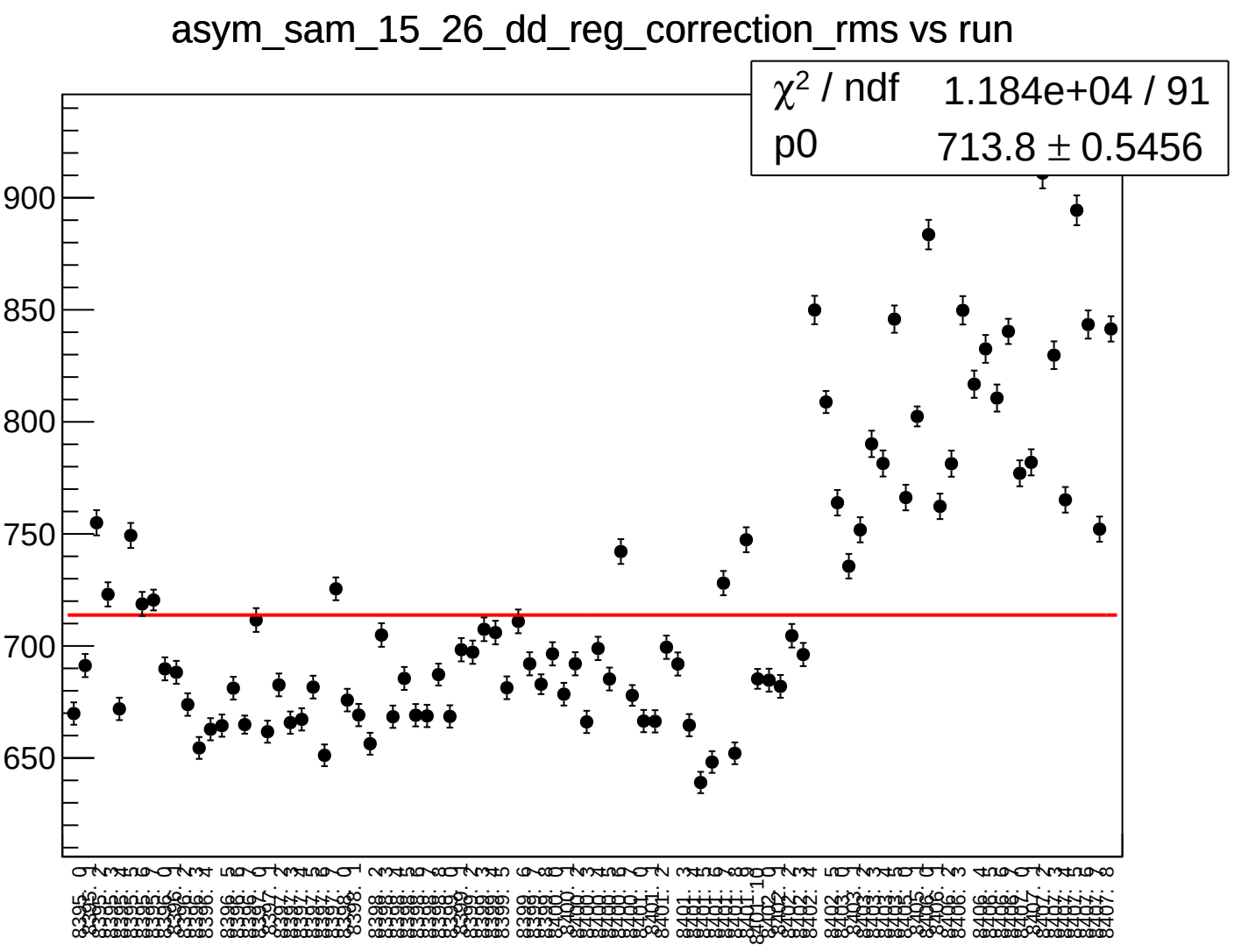

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.131e+05 / 91
p0 1.3e−11 ± 1.181e−14
50
40
30
20
10

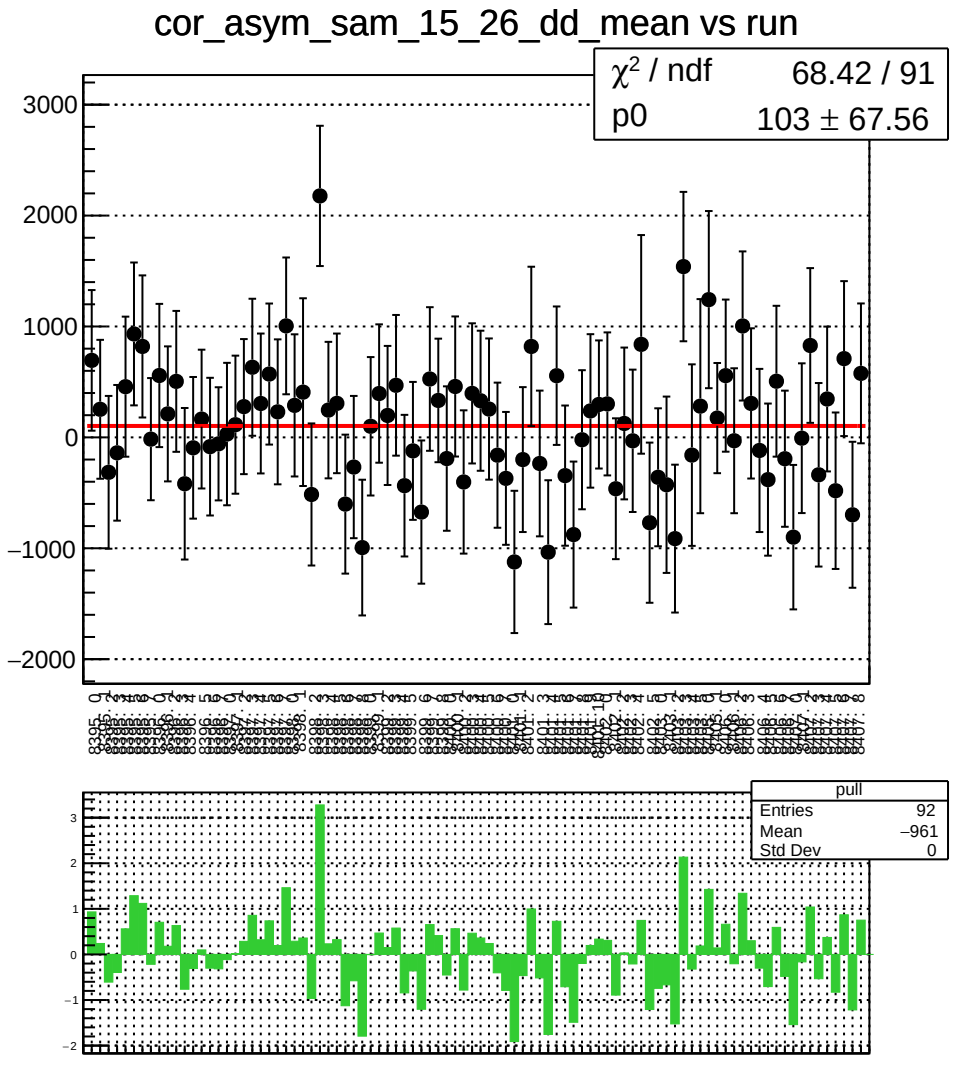

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.42 / 91
p0 103 ± 67.56
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −960.4
Std Dev 0
3
2
1
0
−1
−2

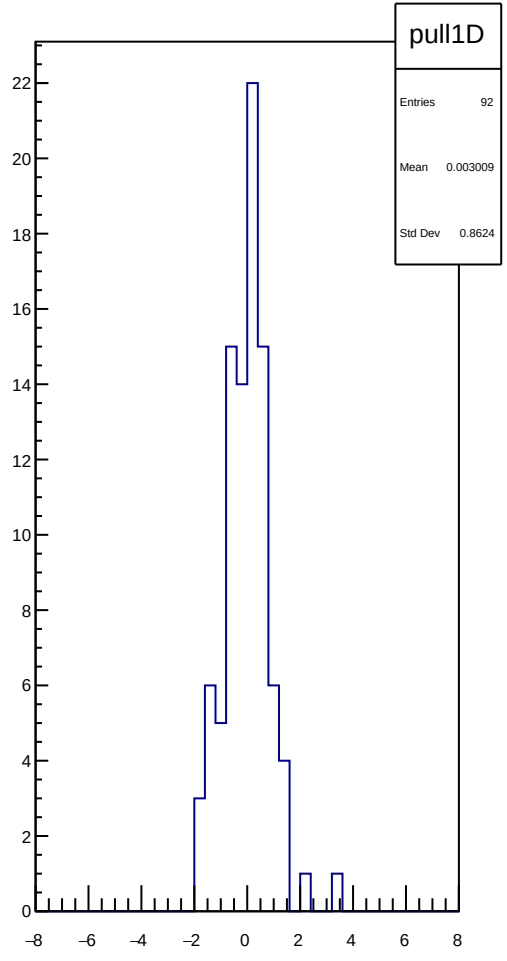

pull1D
Entries 92
Mean 0.00301
Std Dev 0.8624
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

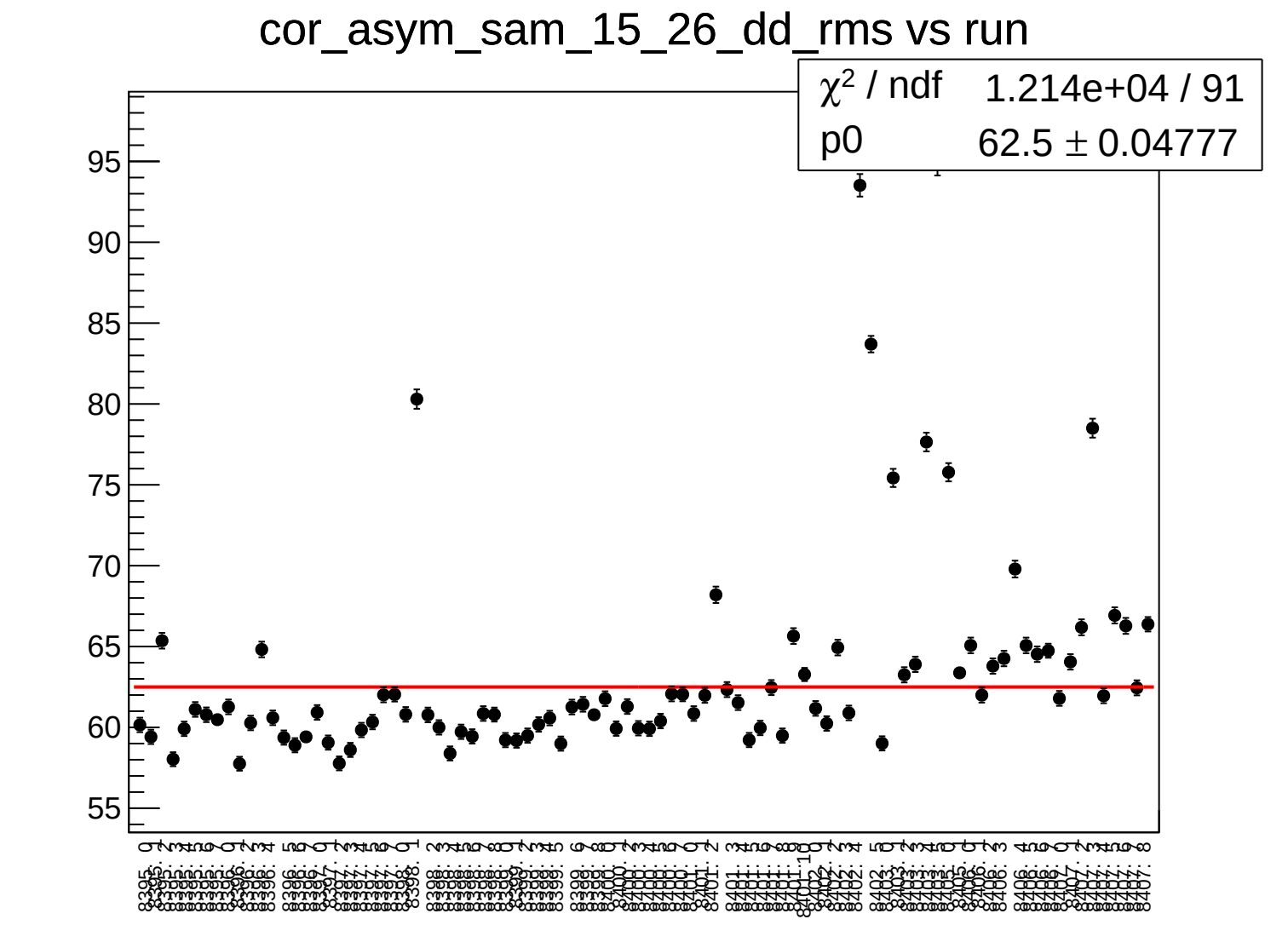

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.214e+04 / 91
p0 62.5 ± 0.04777
95
90
85
80
75
70
65
60
55

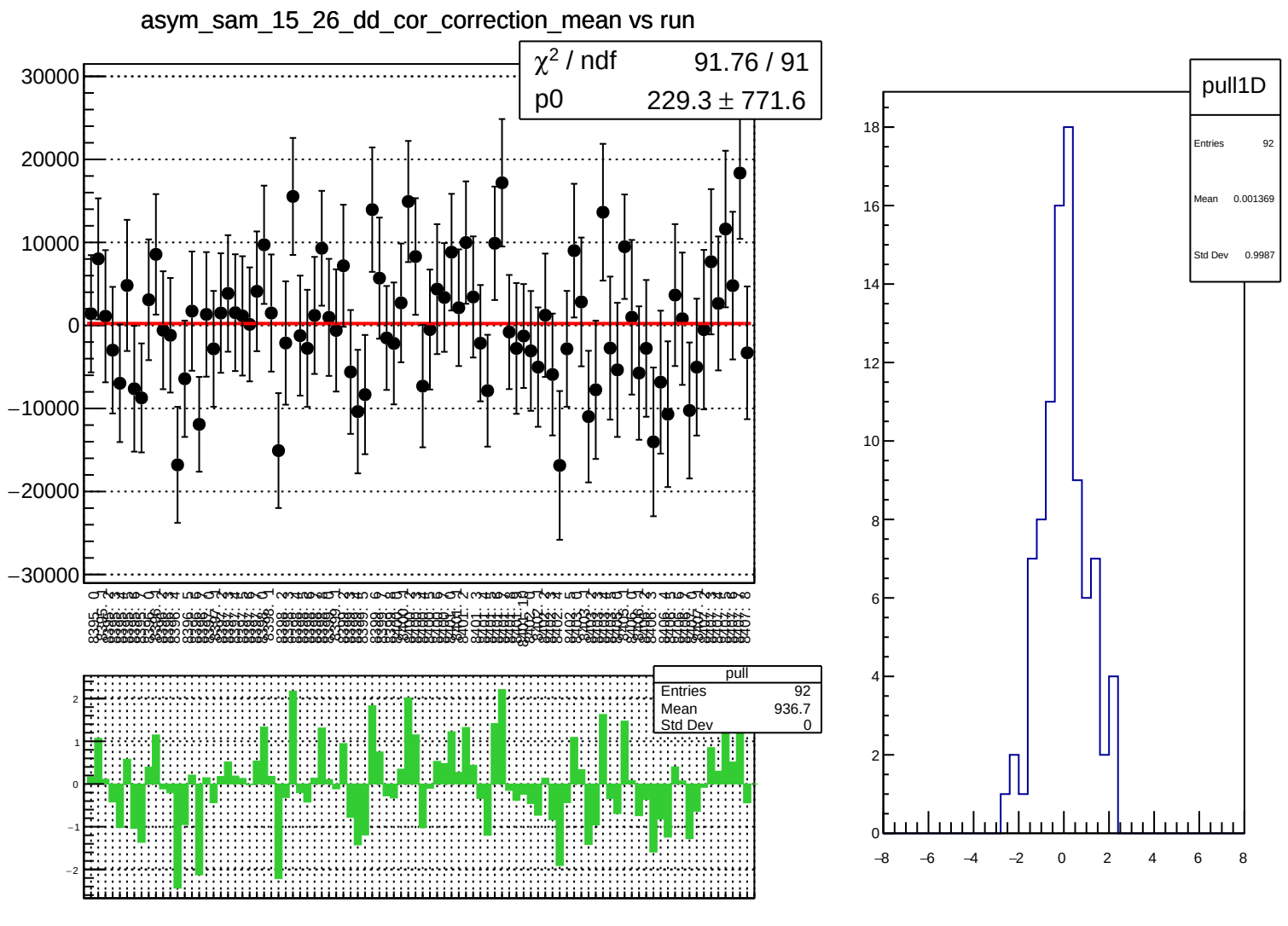

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 91.77 / 91
p0 229.3 ± 771.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 936.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.00137
Std Dev 0.9987
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

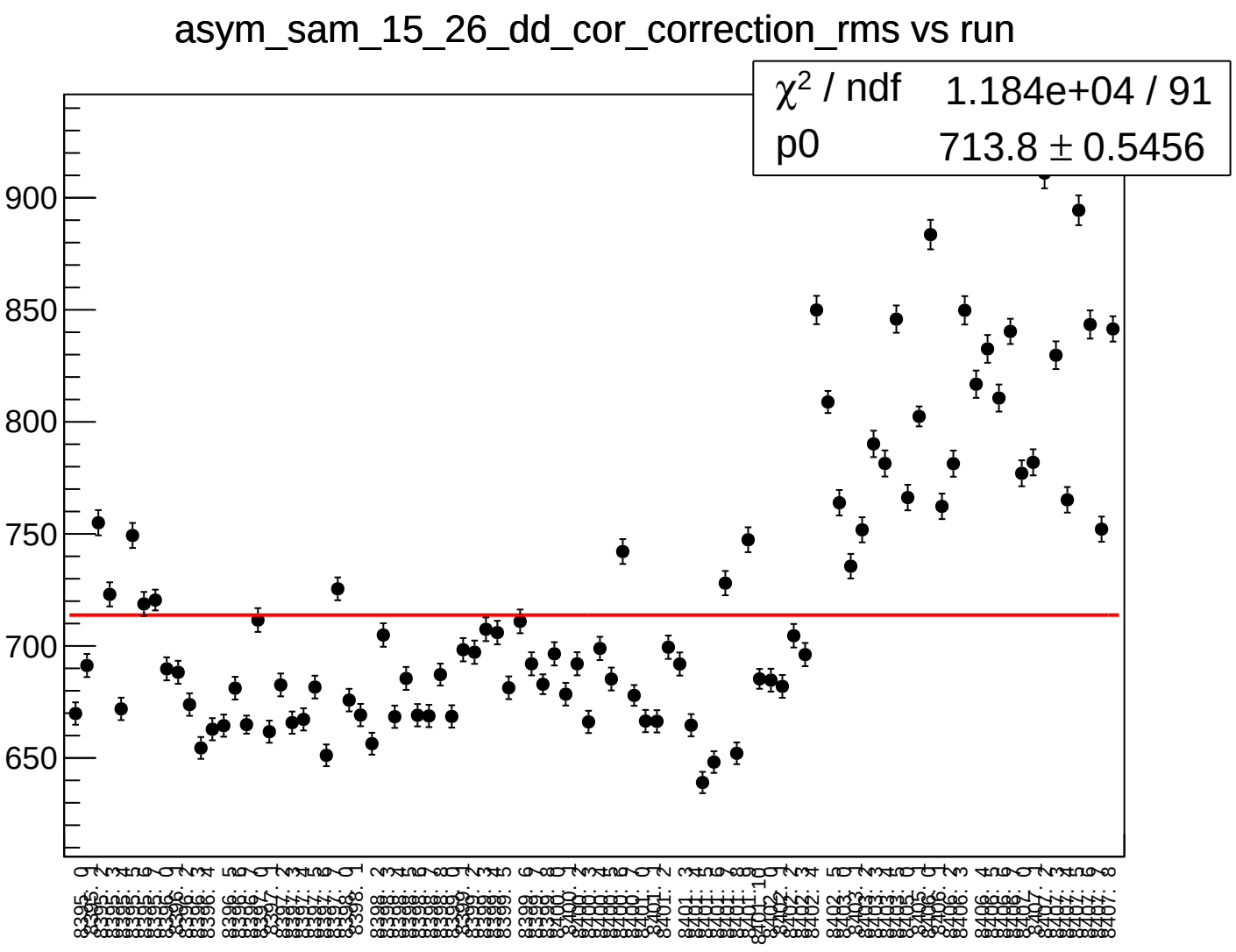

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 1.184e+04 / 91
p0 713.8 ± 0.5456
900
850
800
750
700
650

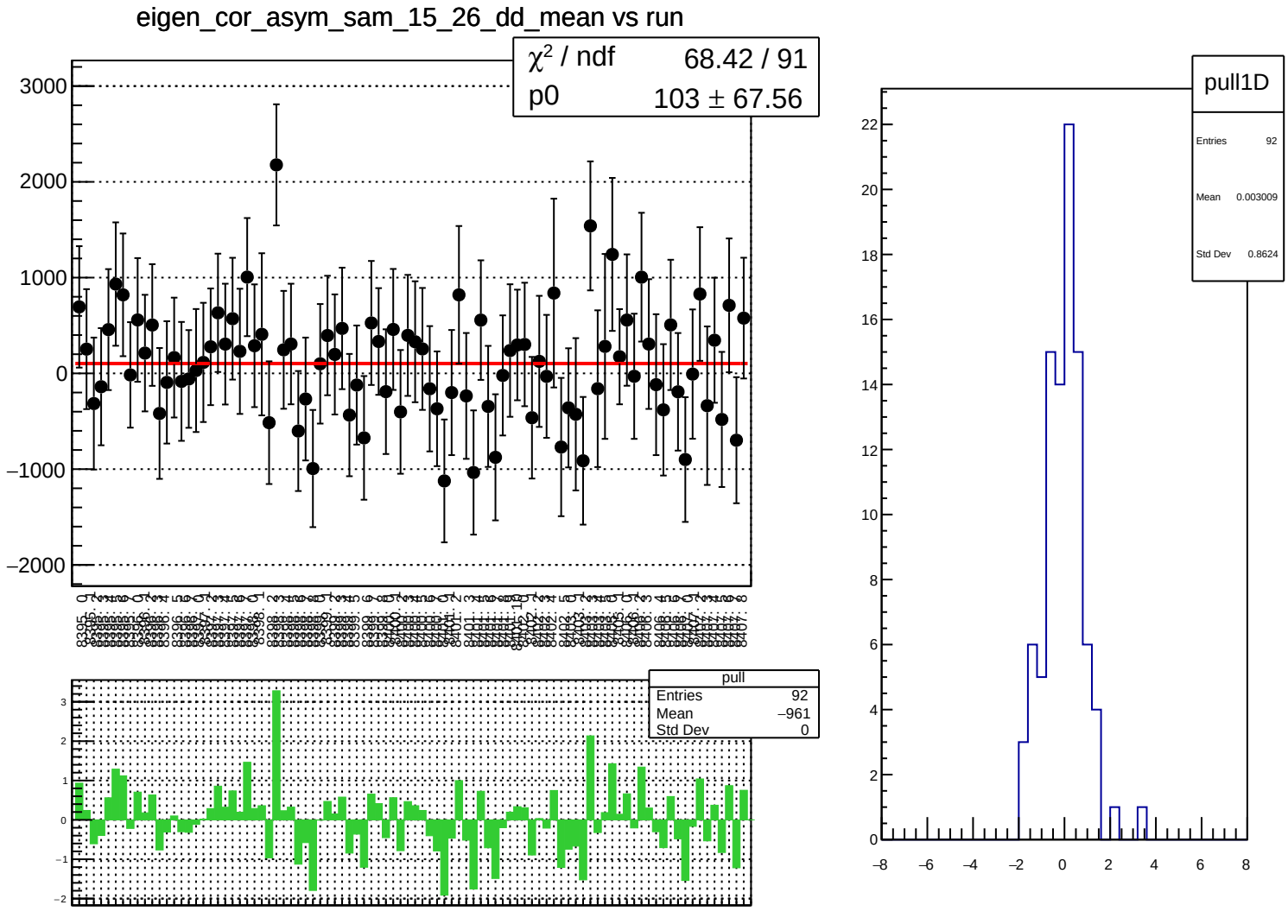

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.42 / 91
p0 103 ± 67.56
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −961
Std Dev 0
3
2
1
0
−1
−2

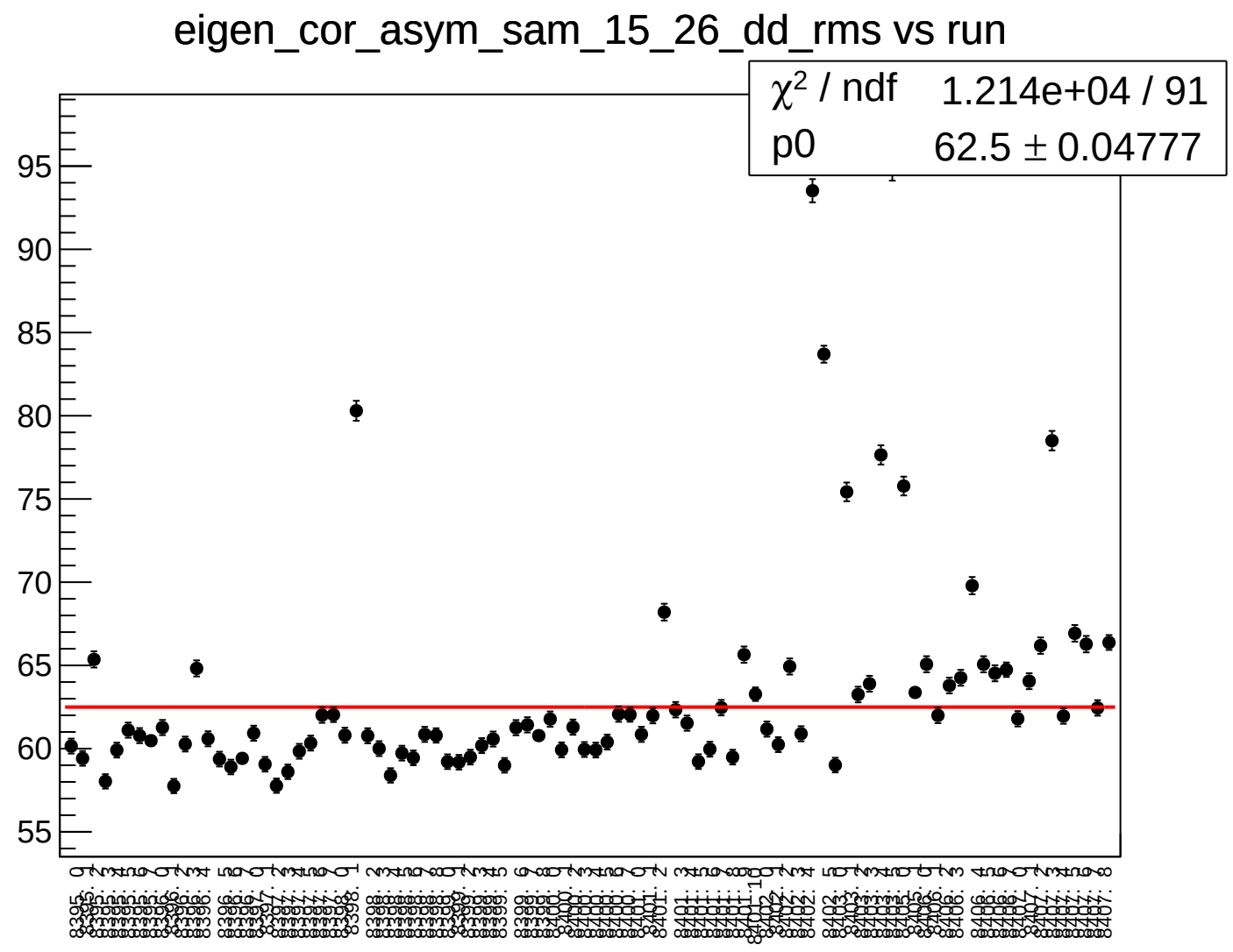

pull1D
Entries 92
Mean 0.003009
Std Dev 0.8624
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

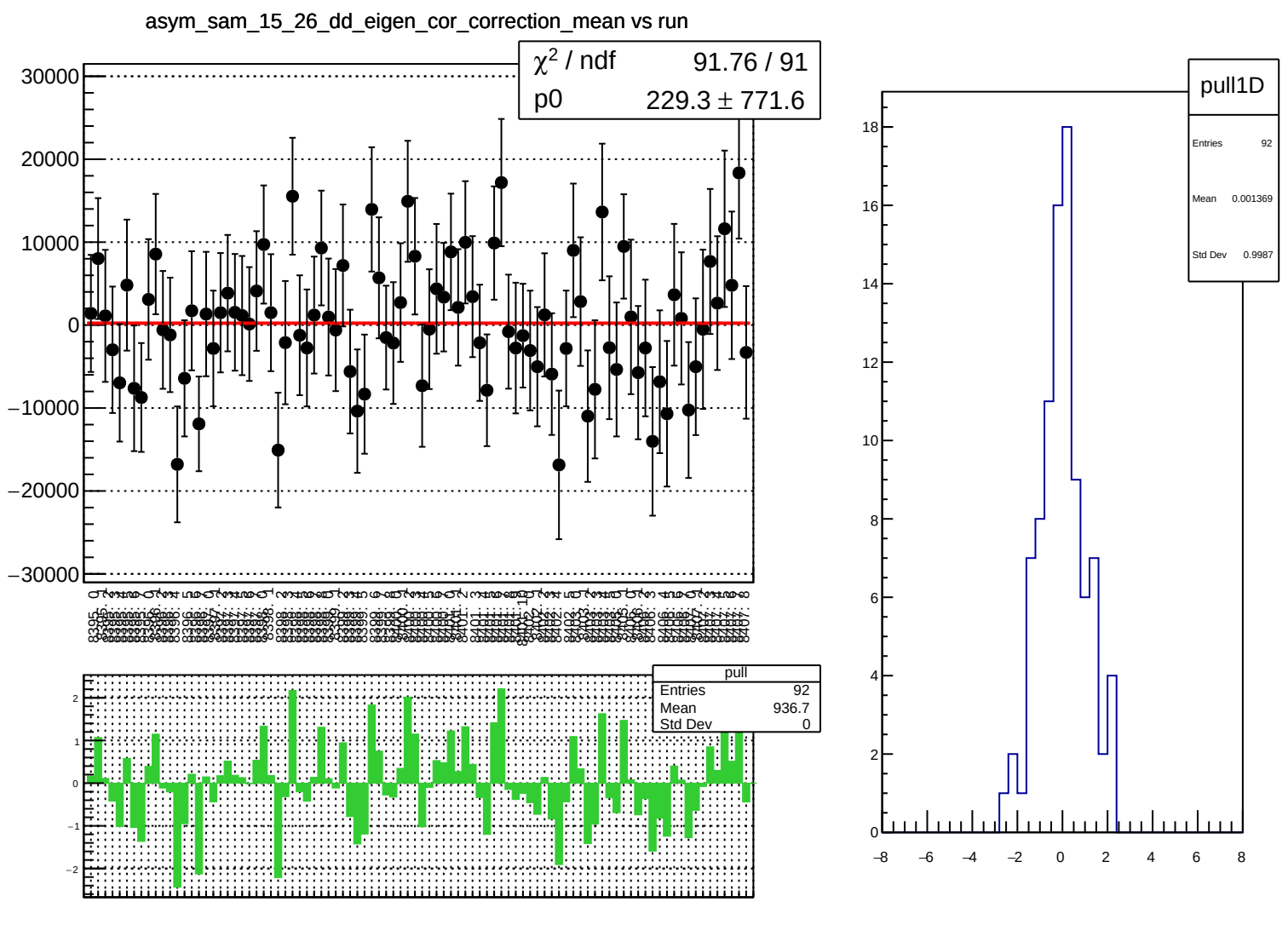

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.214e+04 / 91
p0 62.5 ± 0.04777
95
90
85
80
75
70
65
60
55

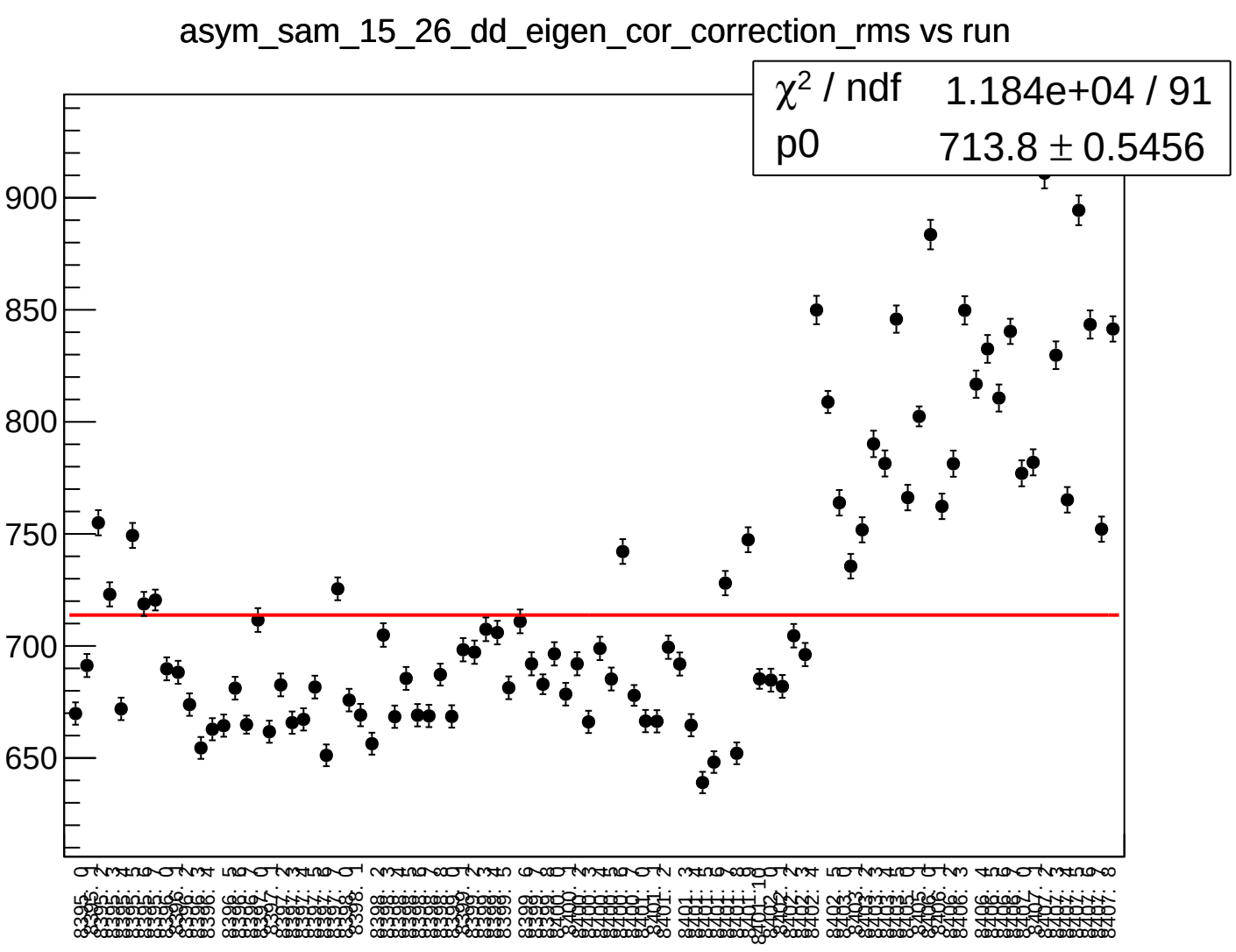

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 91.76 / 91
p0 229.3 ± 771.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 936.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001369
Std Dev 0.9987
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

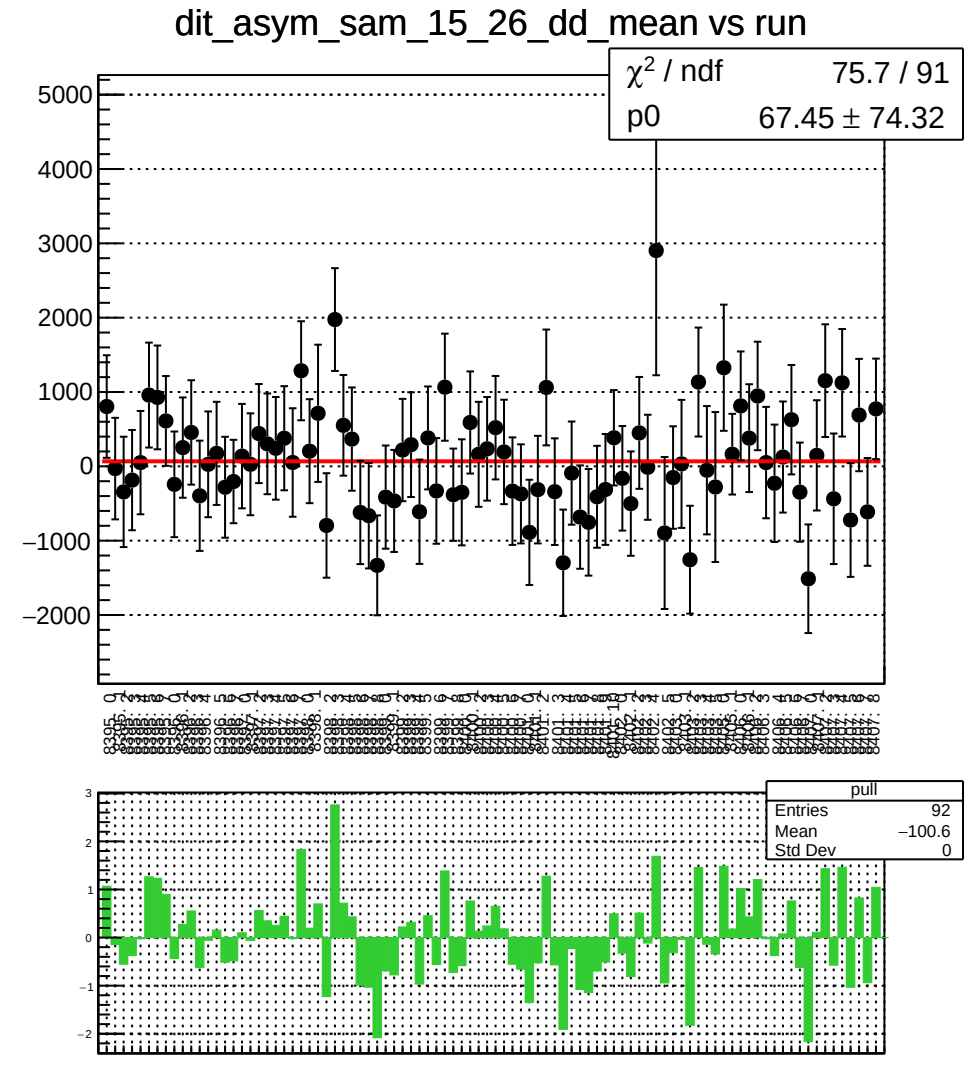

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 1.184e+04 / 91
p0 713.8 ± 0.5456
900
850
800
750
700
650

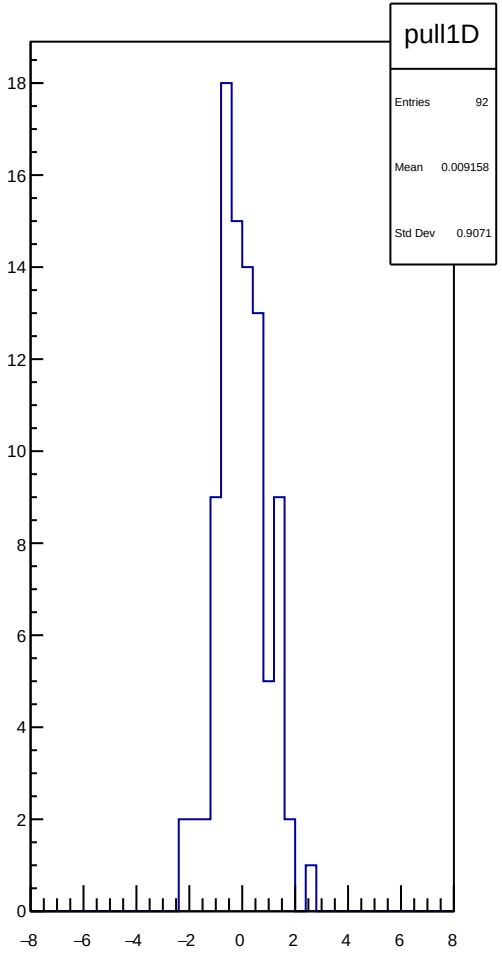

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.42 / 91
p0 103 ± 67.56
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −961
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.003009
Std Dev 0.8624
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

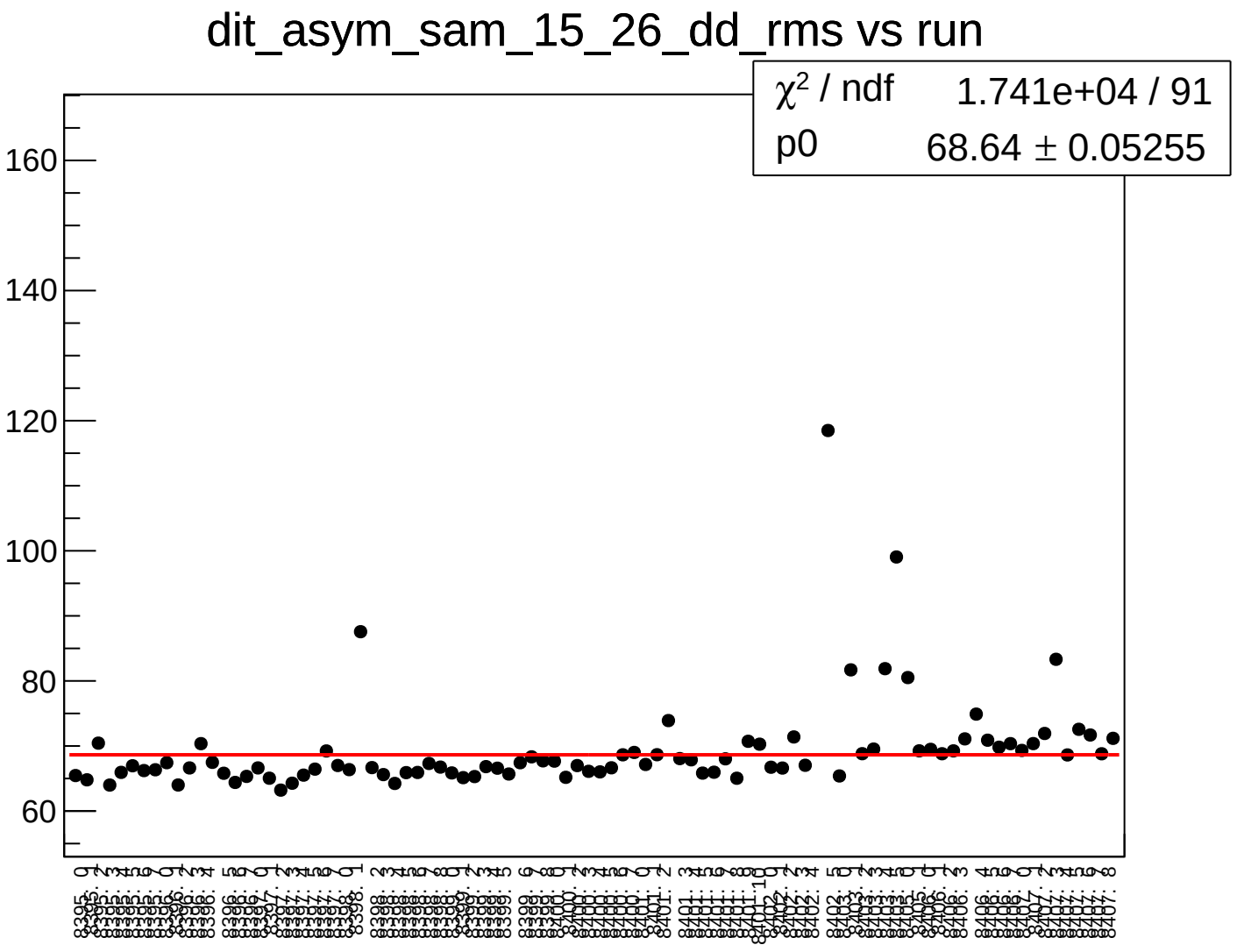

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.214e+04 / 91
p0 62.5 ± 0.04777
95
90
85
80
75
70
65
60
55

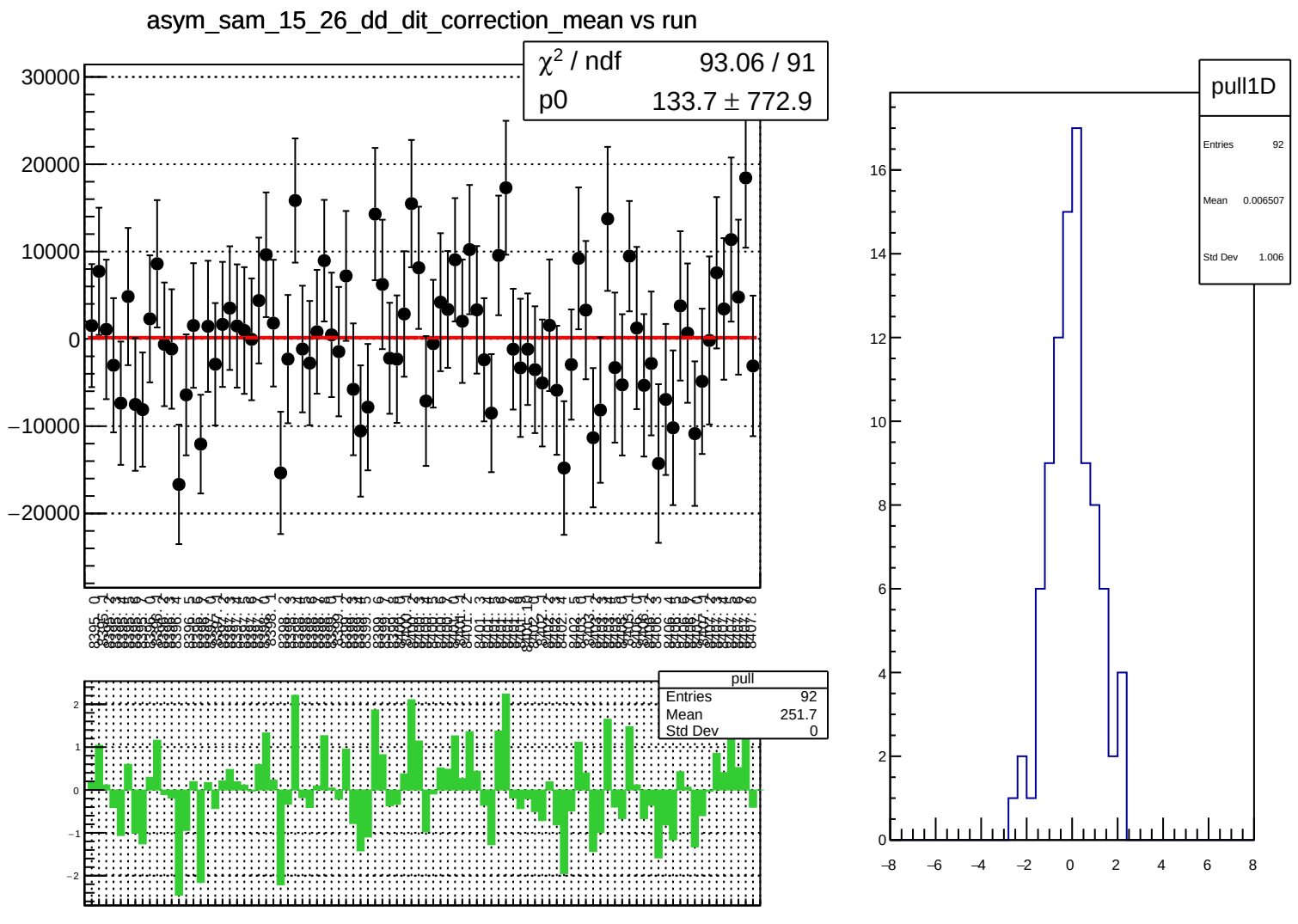

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 91.76 / 91
p0 229.3 ± 771.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 936.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.001369
Std Dev 0.9987
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

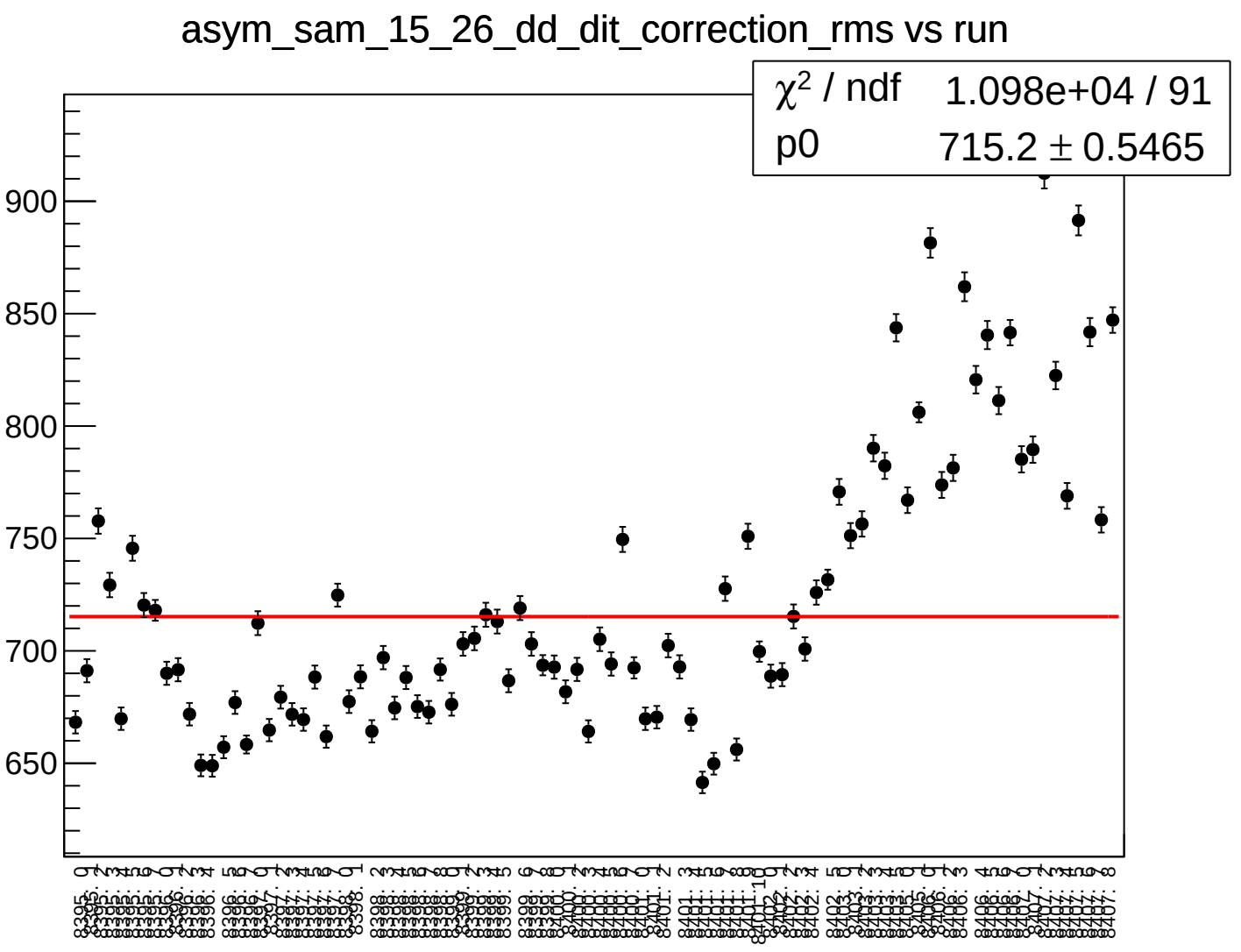

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.184e+04 / 91
p0 713.8 ± 0.5456
900
850
800
750
700
650

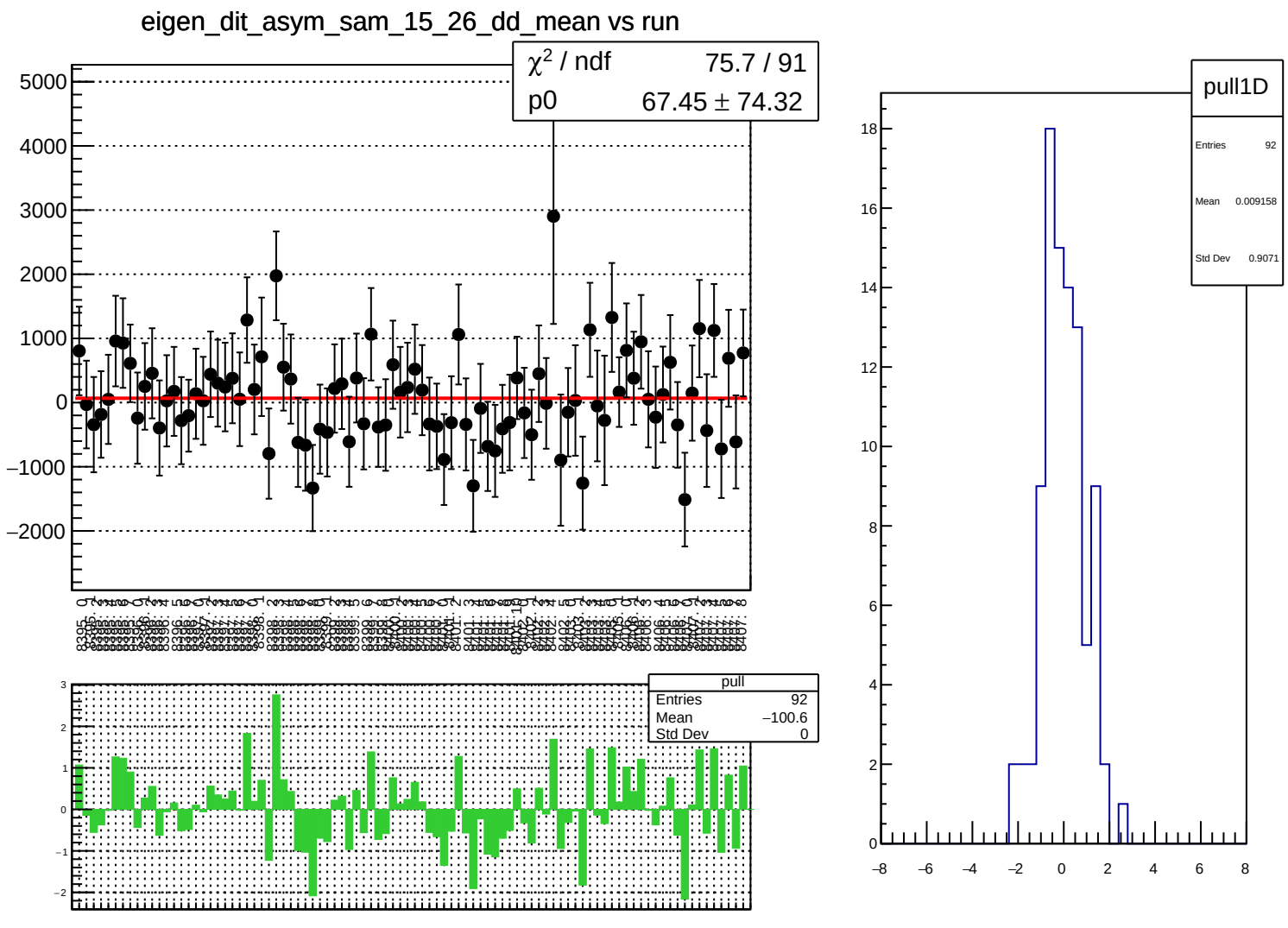

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 75.7 / 91
p0 67.45 ± 74.32
pull
Entries 92
Mean −100.6
Std Dev 0

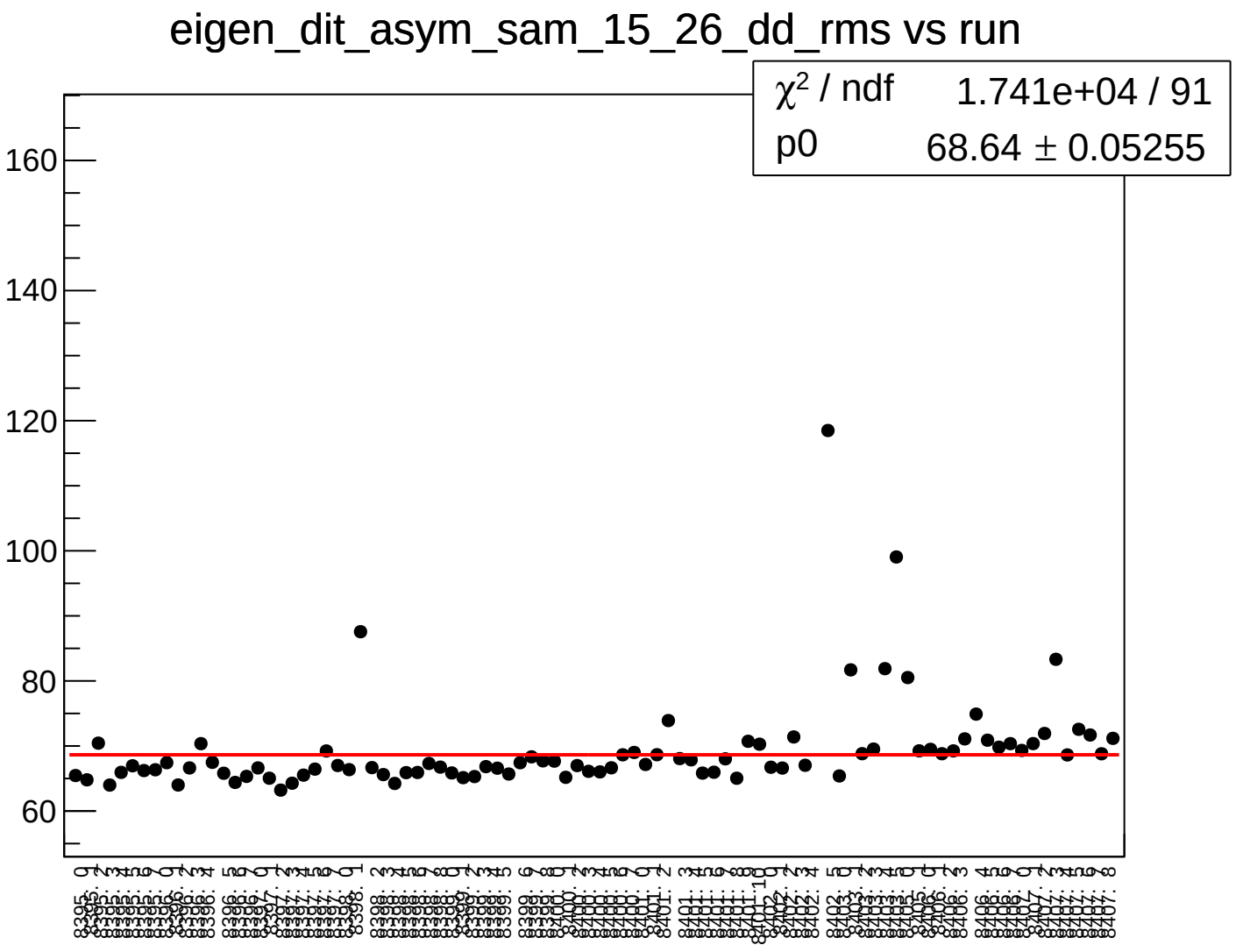

pull1D
Entries 92
Mean 0.009158
Std Dev 0.9071

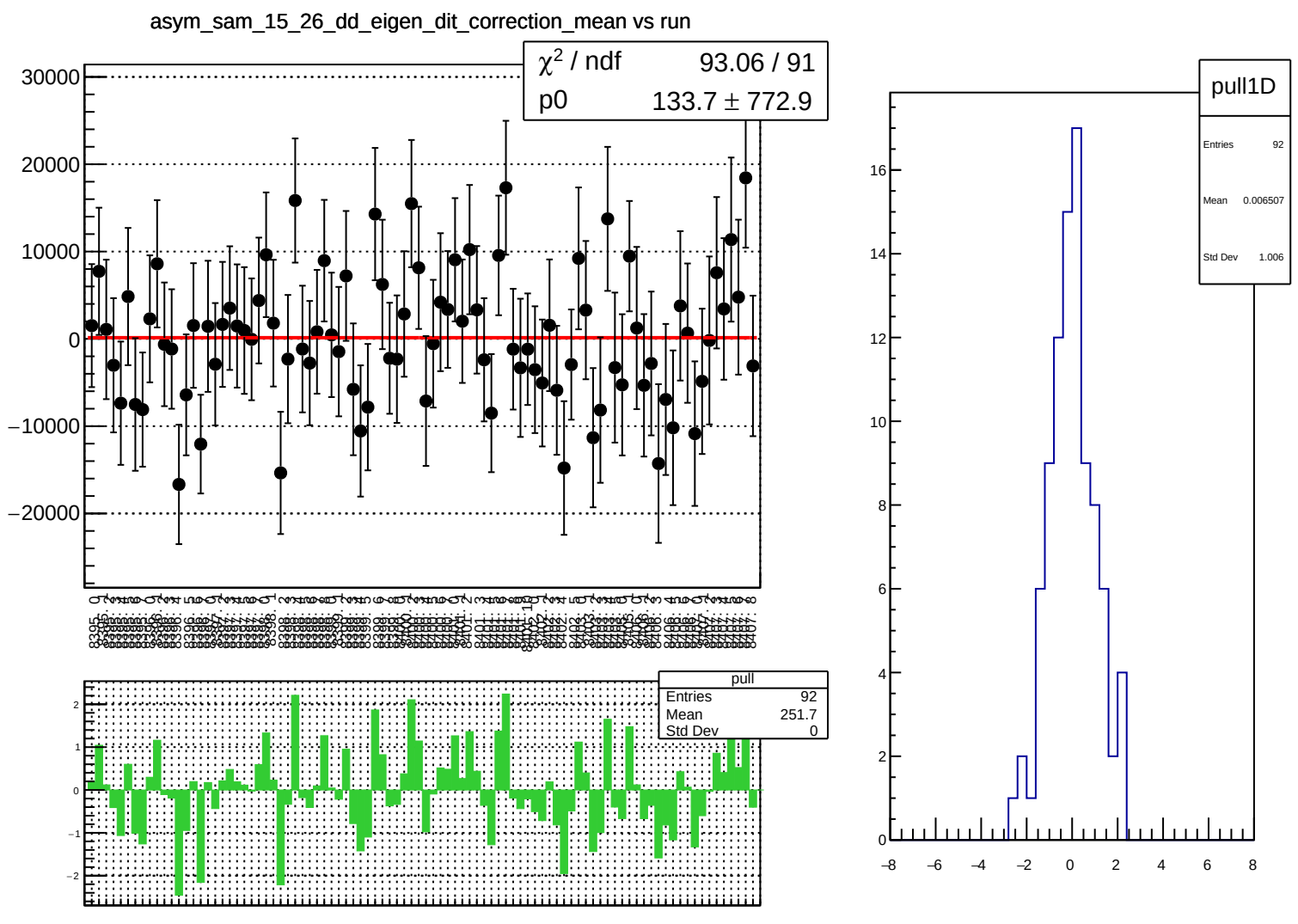

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.741e+04 / 91
p0 68.64 ± 0.05255
160
140
120
100
80
60

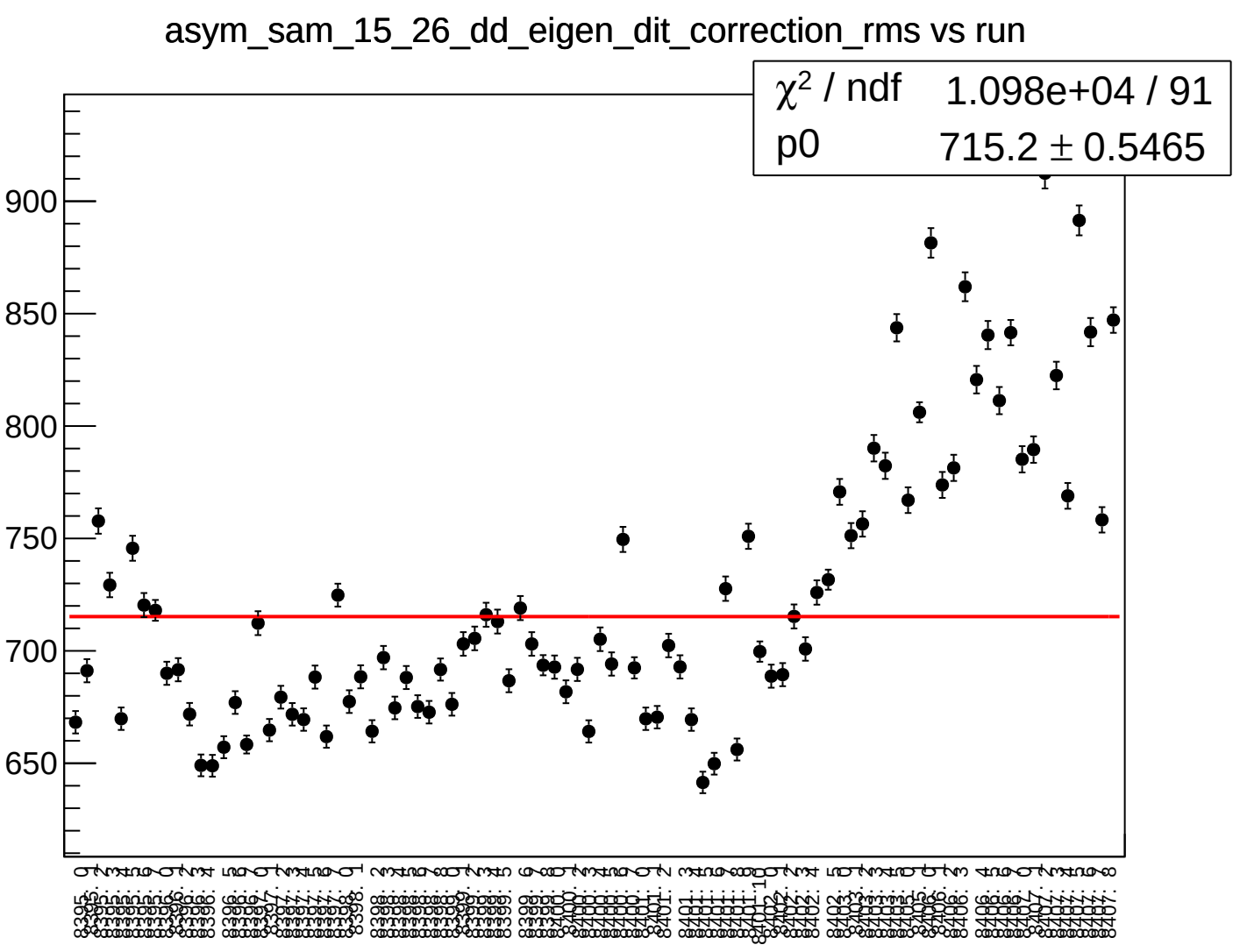

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 93.06 / 91
p0 133.7 ± 772.9
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 251.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006507
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

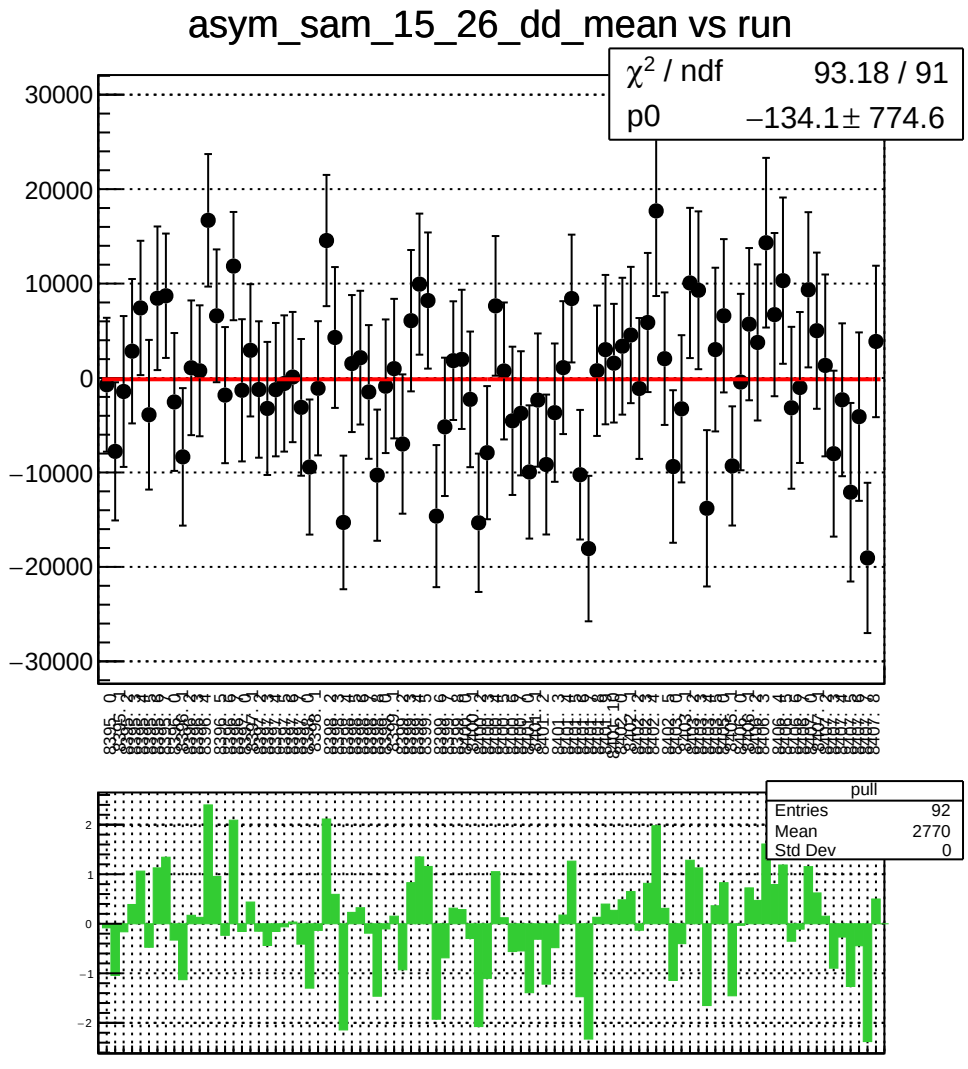

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 1.098e+04 / 91
p0 715.2 ± 0.5465
900
850
800
750
700
650

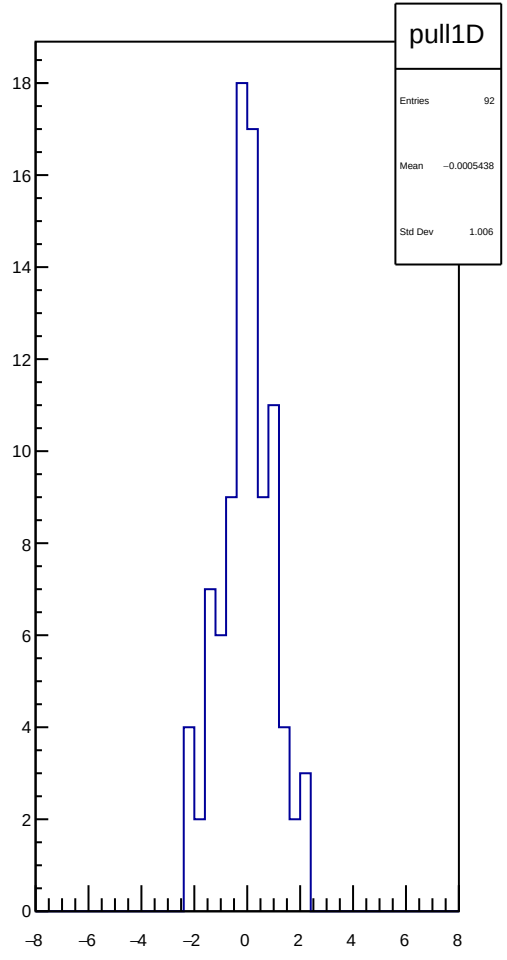

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 75.7 / 91
p0 67.45 ± 74.32
5000
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 92
Mean −100.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.009158
Std Dev 0.9071
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

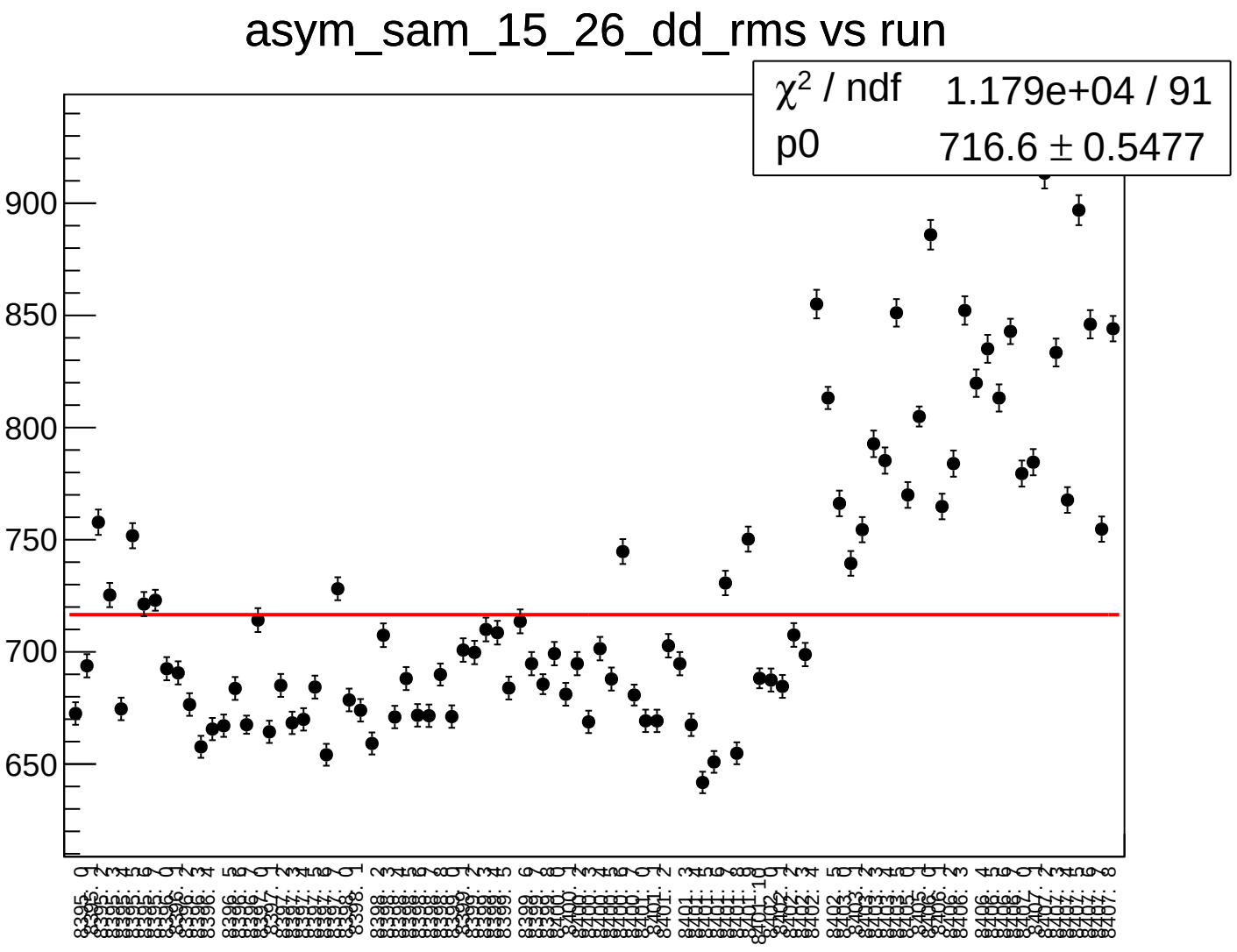

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.741e+04 / 91
p0 68.64 ± 0.05255
160
140
120
100
80
60

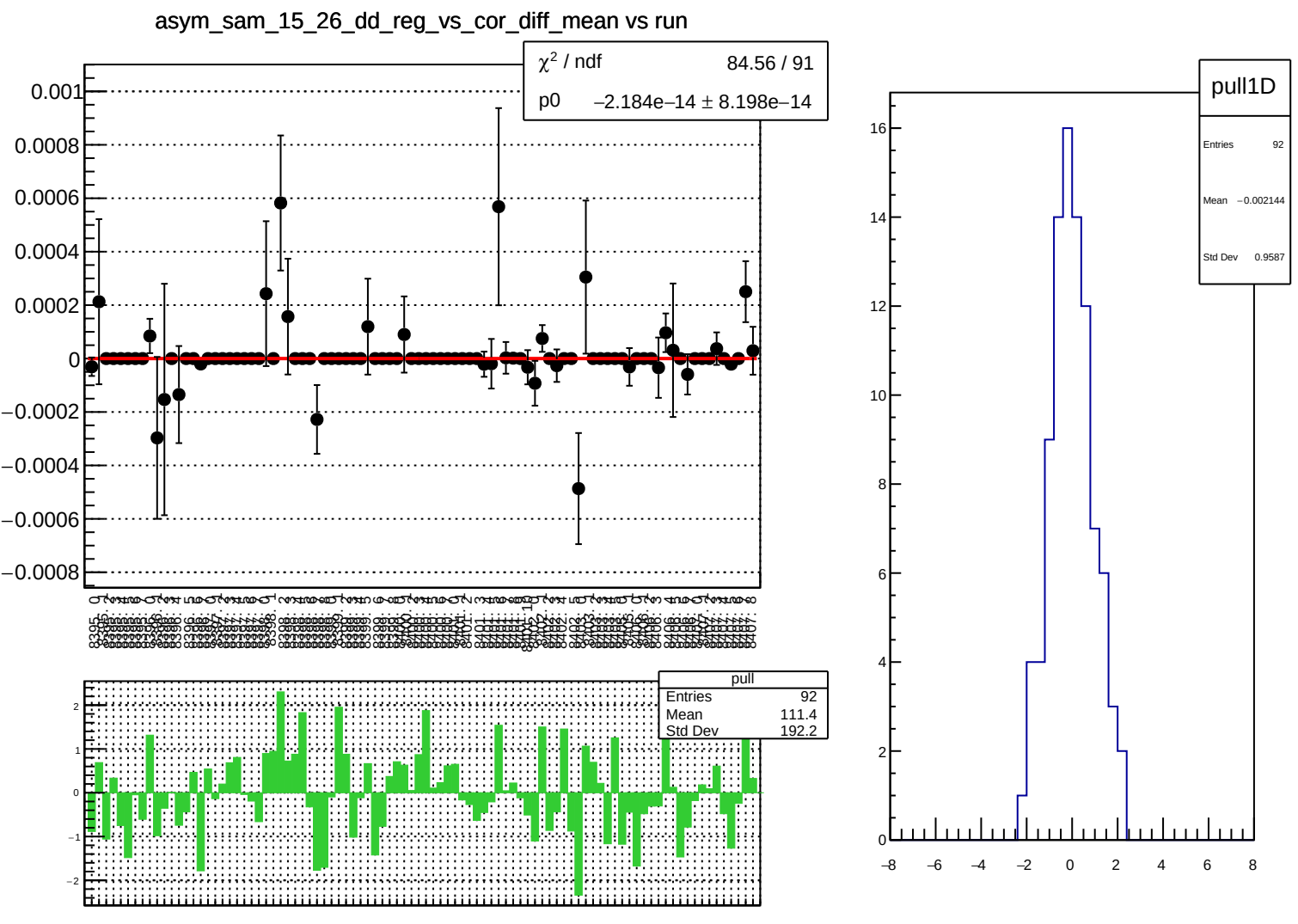

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 93.06 / 91
p0 133.7 ± 772.9
30000
20000
10000
0
−10000
−20000
pull
Entries 92
Mean 251.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean 0.006507
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

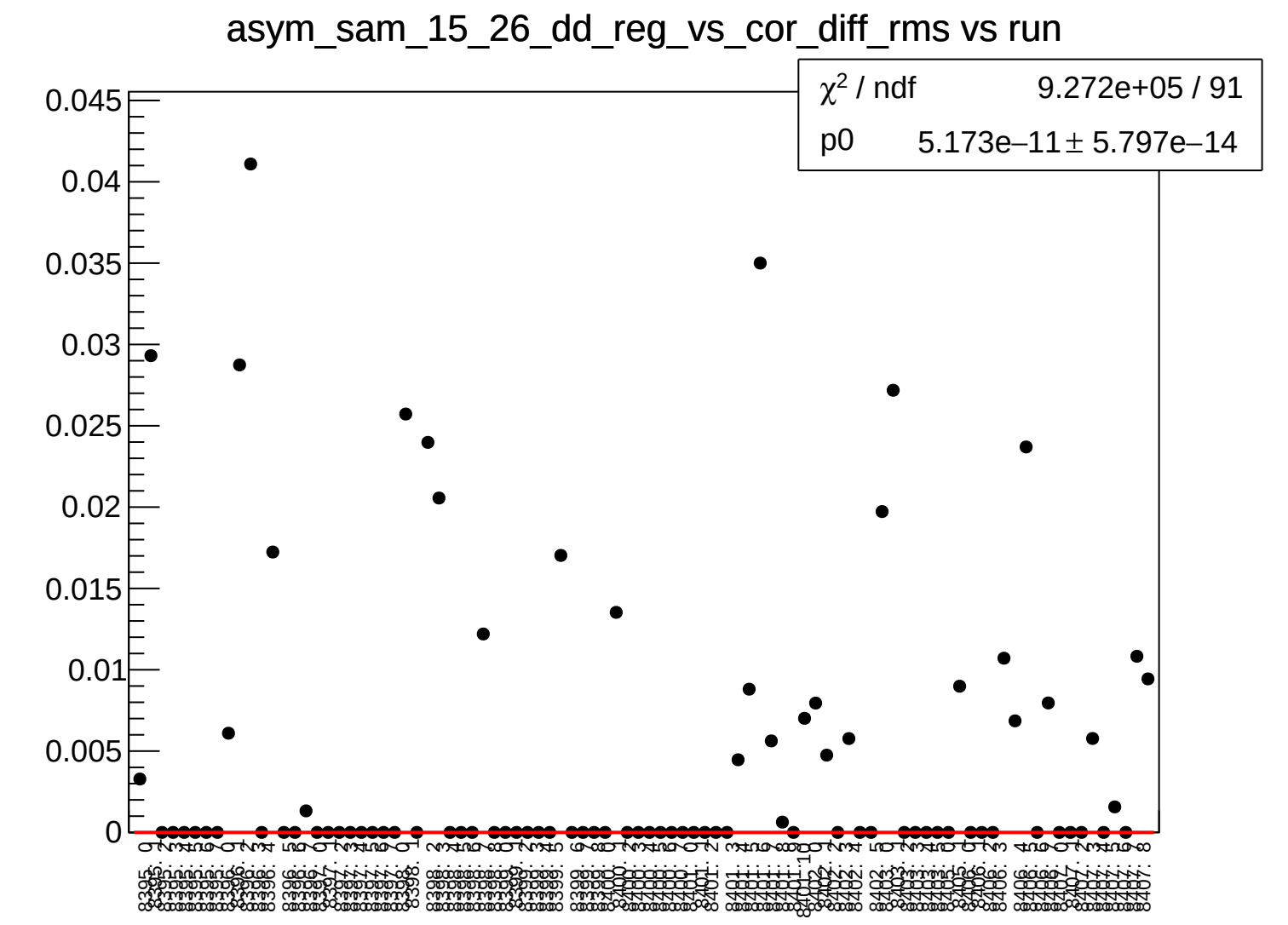

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.098e+04 / 91
p0 715.2 ± 0.5465
900
850
800
750
700
650

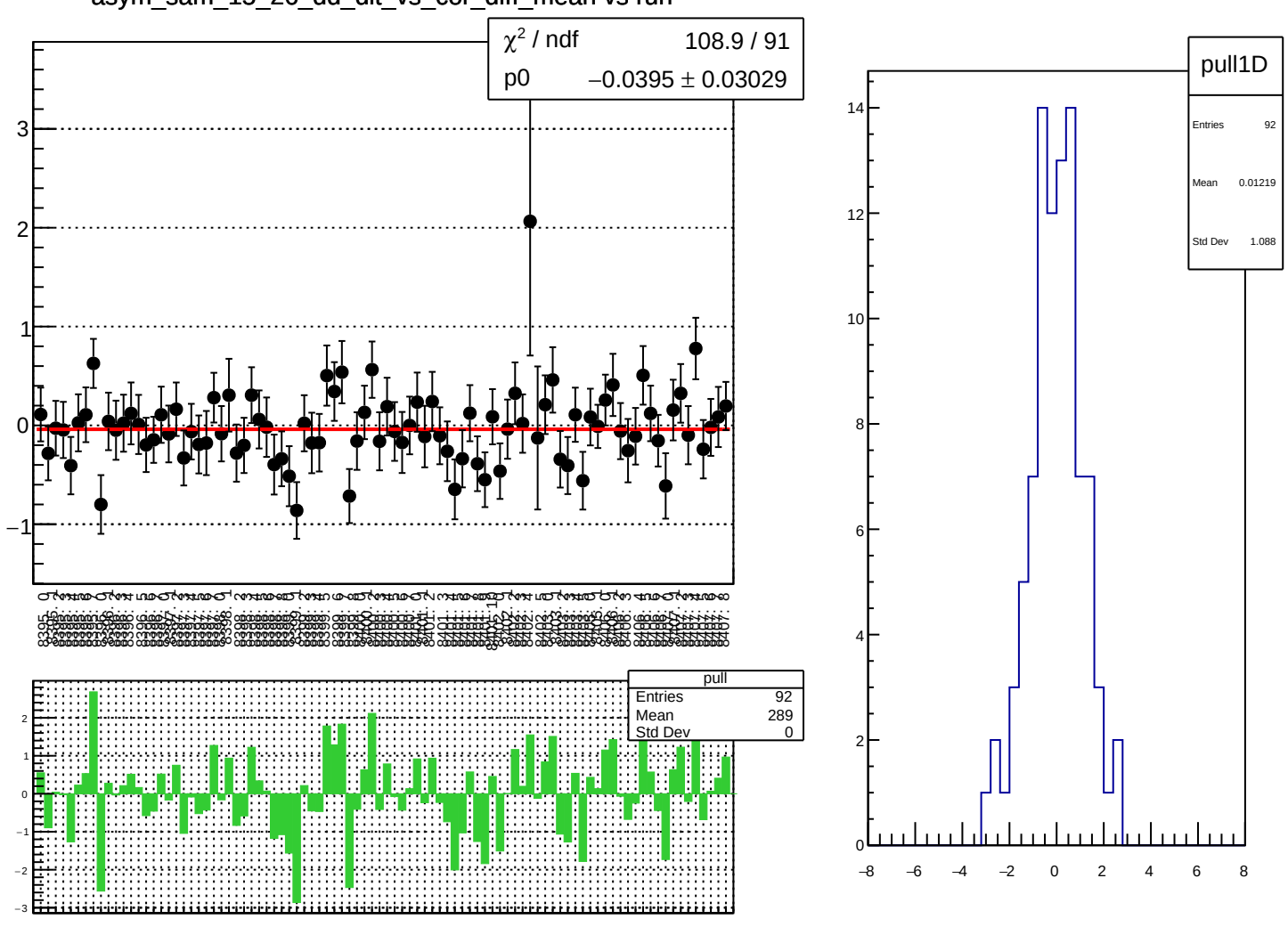

asym_sam_15_26_dd_mean vs run
χ² / ndf 93.18 / 91
p0 −134.1± 774.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 2770
Std Dev 0
2
1
0
−1
−2

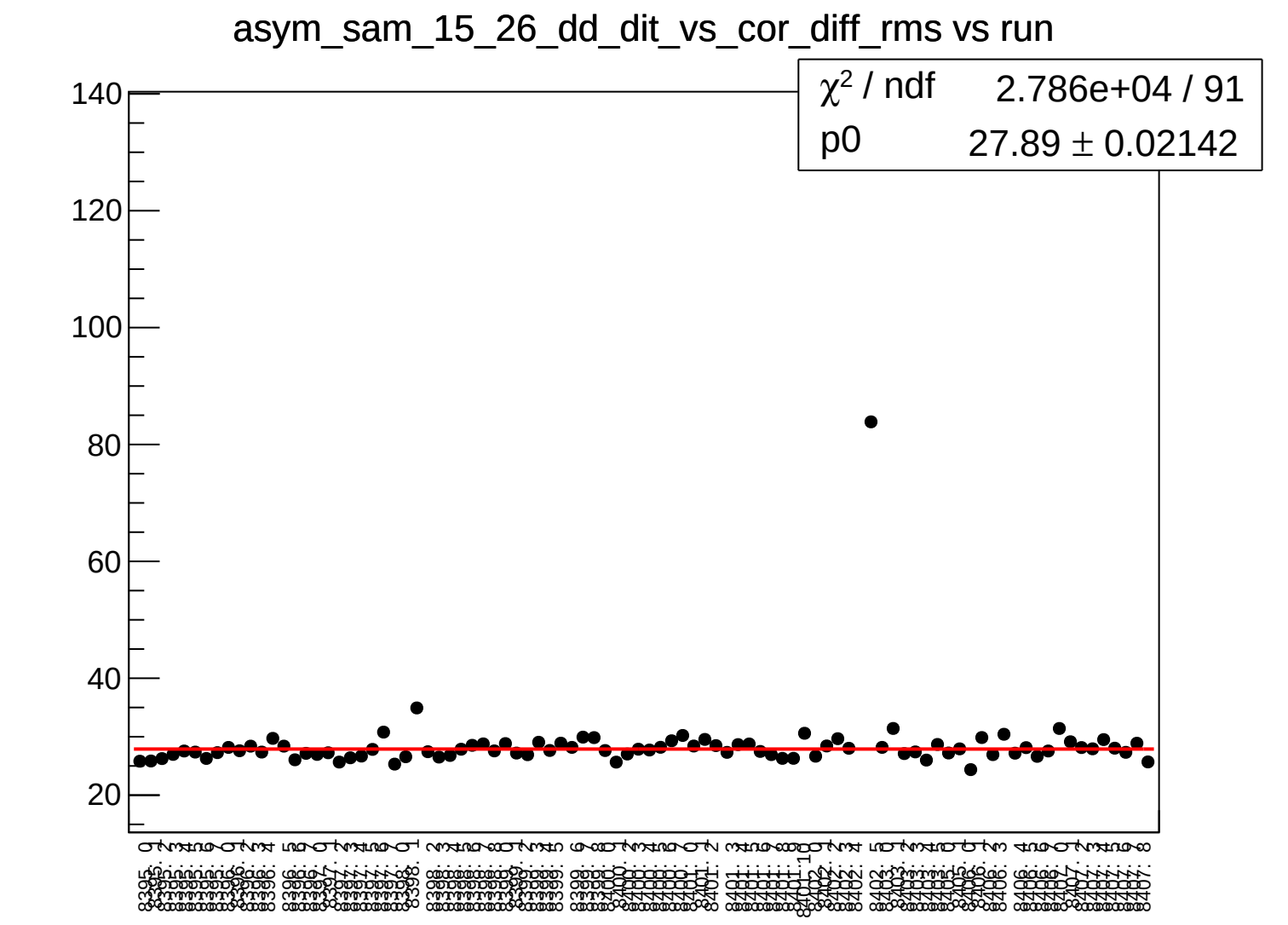

pull1D
Entries 92
Mean −0.0005438
Std Dev 1.006
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

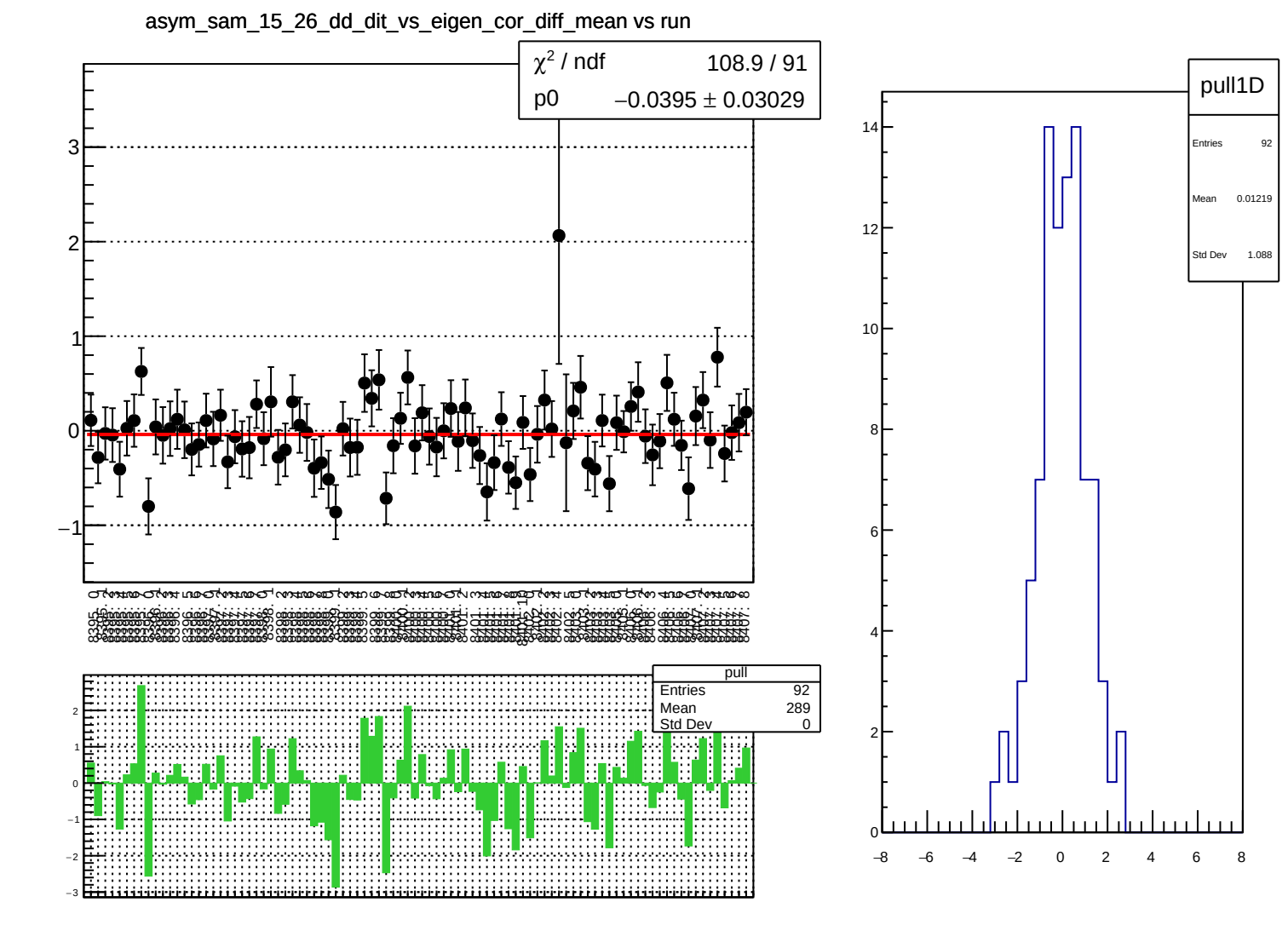

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.179e+04 / 91
p0 716.6 ± 0.5477
900
850
800
750
700
650

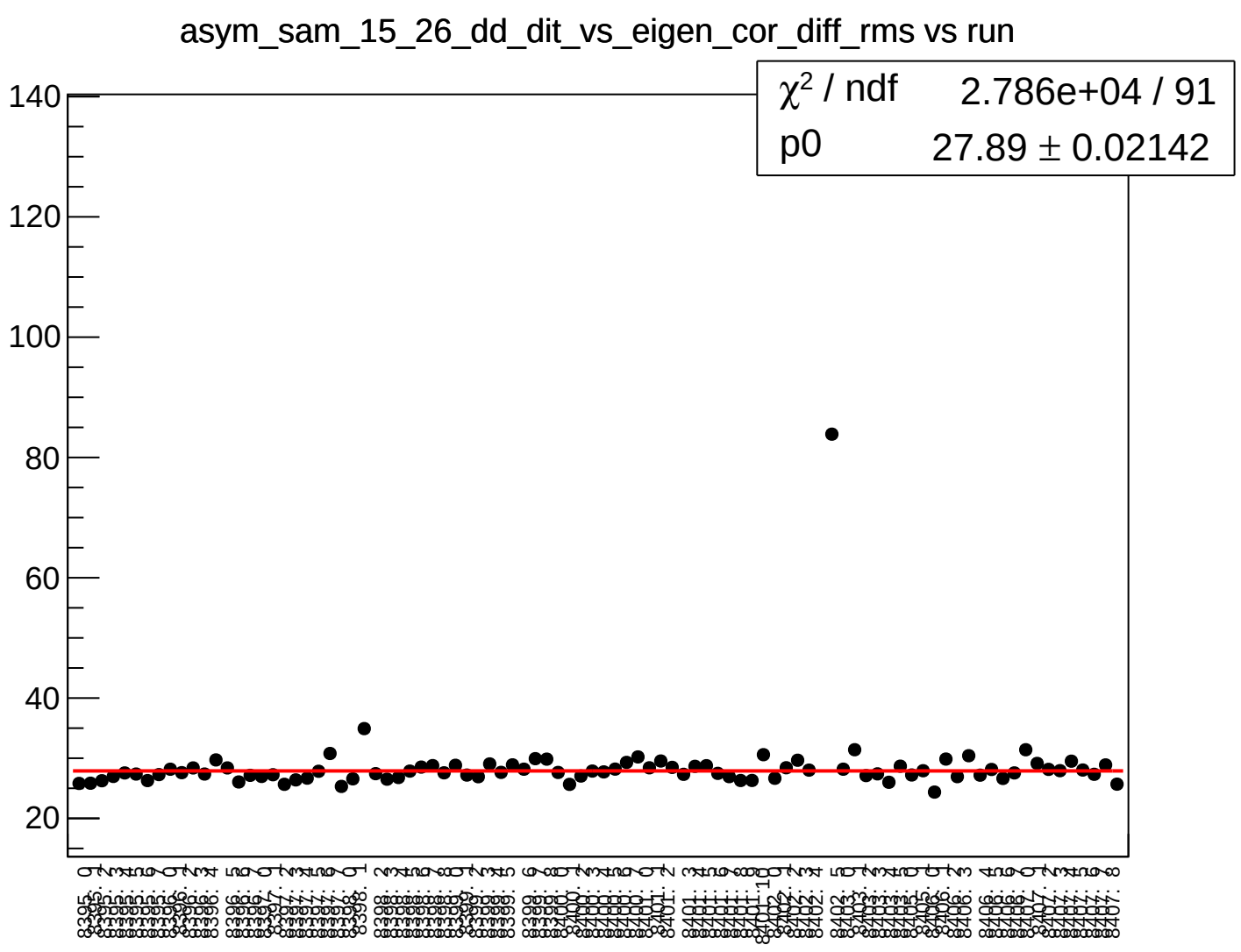

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.56 / 91
p0 −2.184e−14 ± 8.198e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 92
Mean 111.4
Std Dev 192.2
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.002144
Std Dev 0.9587
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

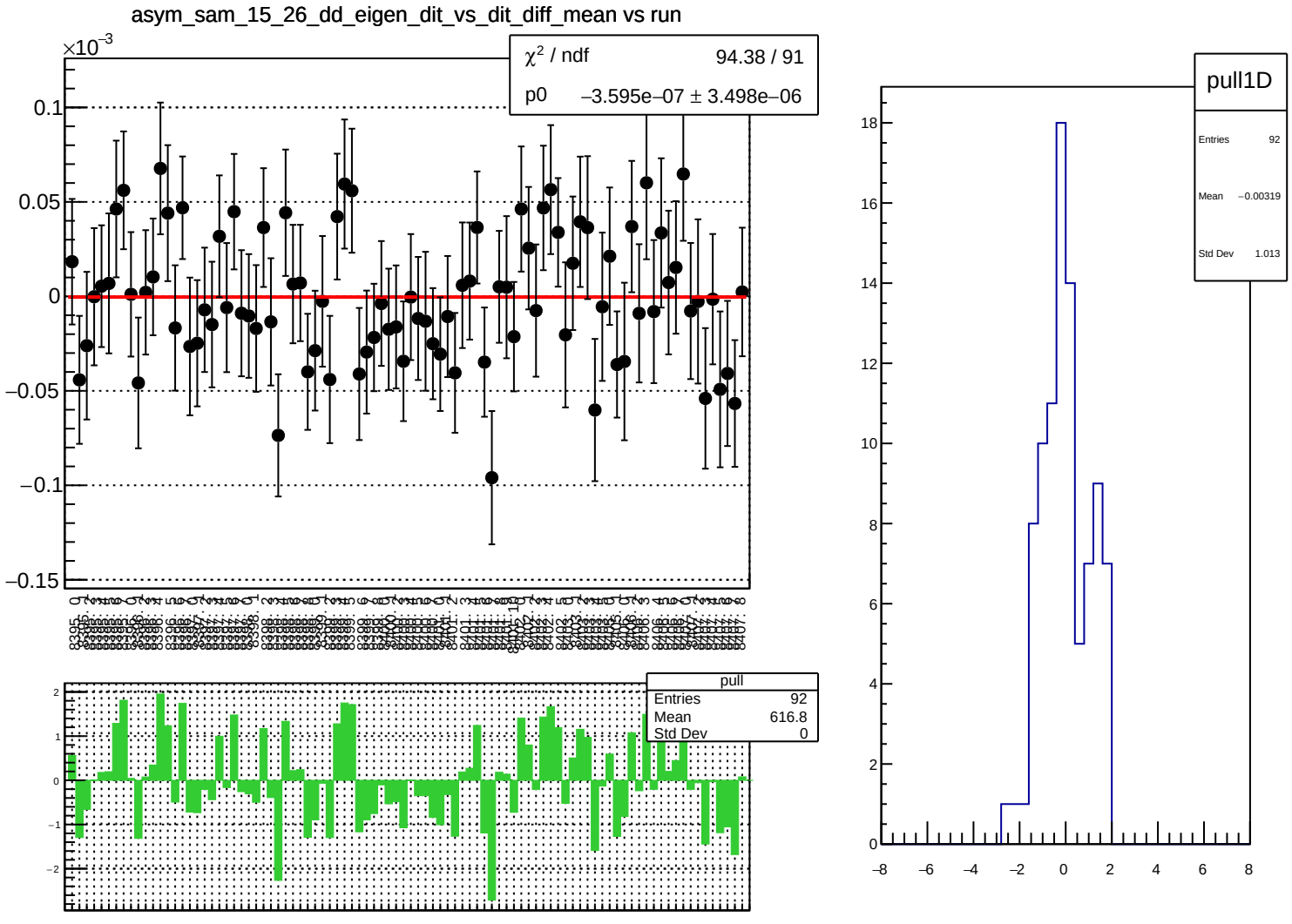

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.272e+05 / 91
p0 5.173e−11 ± 5.797e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

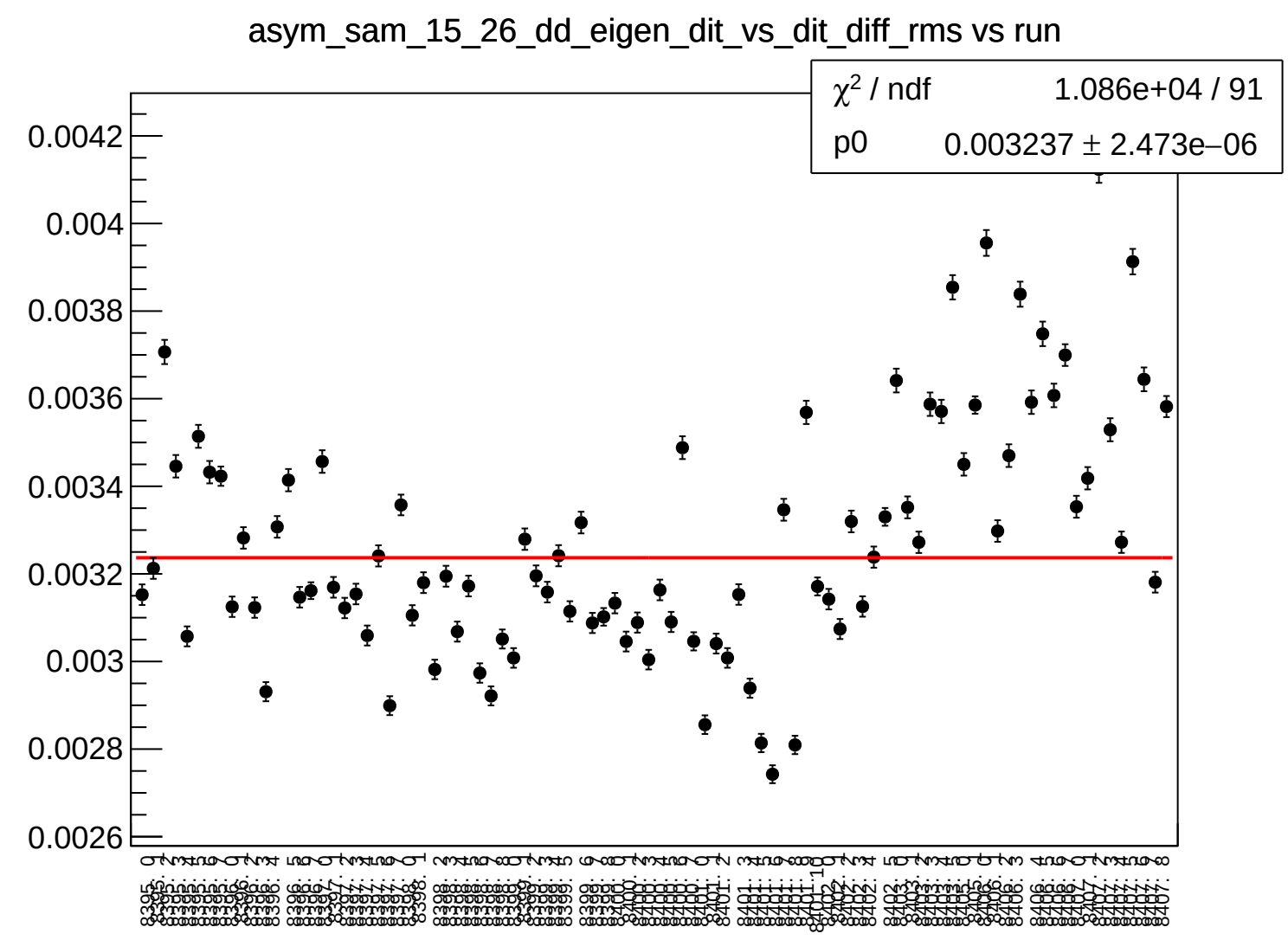

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 108.9 / 91
p0 −0.0395 ± 0.03029
pull
Entries 92
Mean 289
Std Dev 0
pull1D
Entries 92
Mean 0.01219
Std Dev 1.088

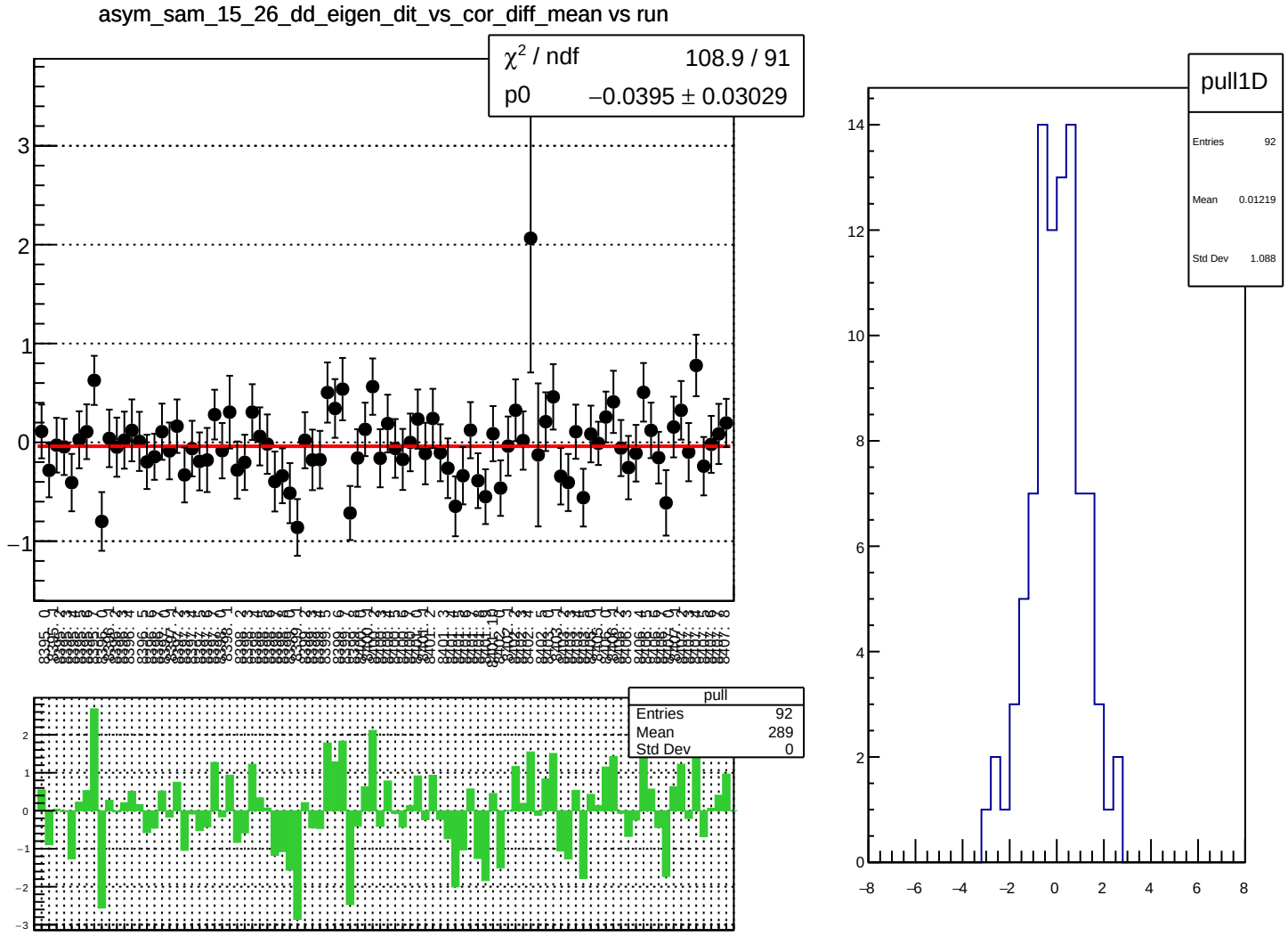

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.786e+04 / 91
p0 27.89 ± 0.02142
140
120
100
80
60
40
20

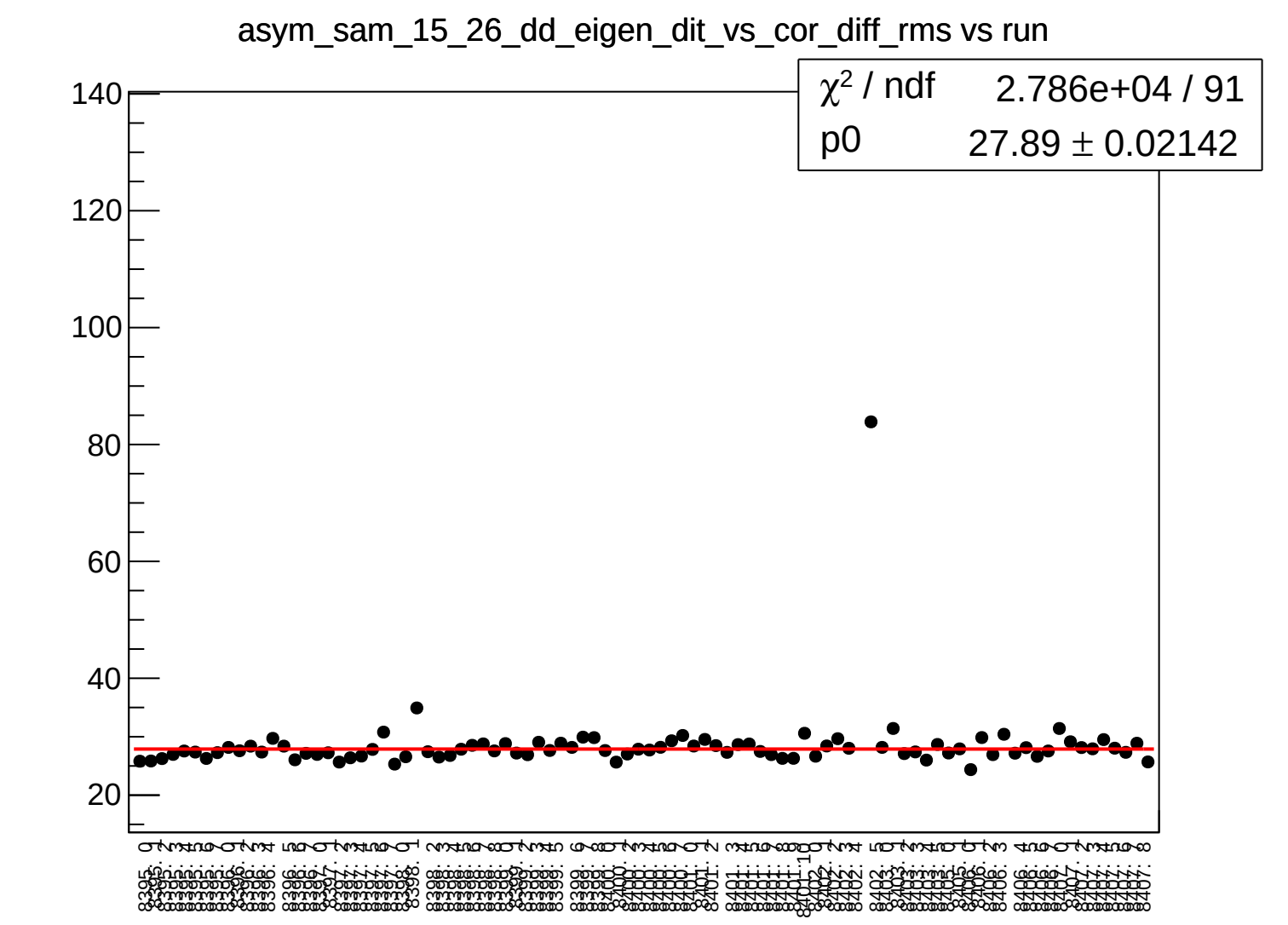

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.9 / 91
p0 −0.0395 ± 0.03029
pull
Entries 92
Mean 289
Std Dev 0
pull1D
Entries 92
Mean 0.01219
Std Dev 1.088

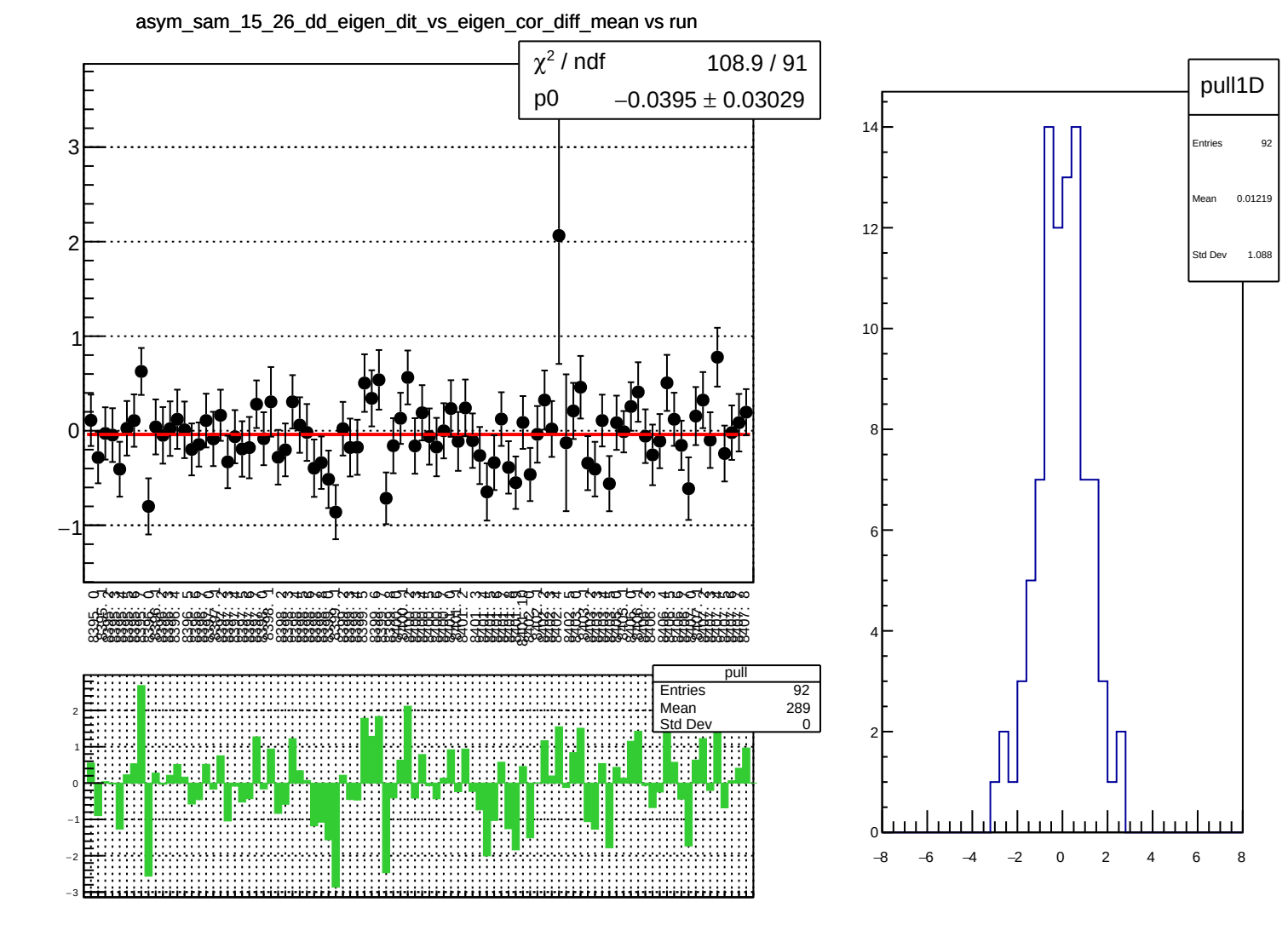

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.786e+04 / 91
p0 27.89 ± 0.02142
140
120
100
80
60
40
20

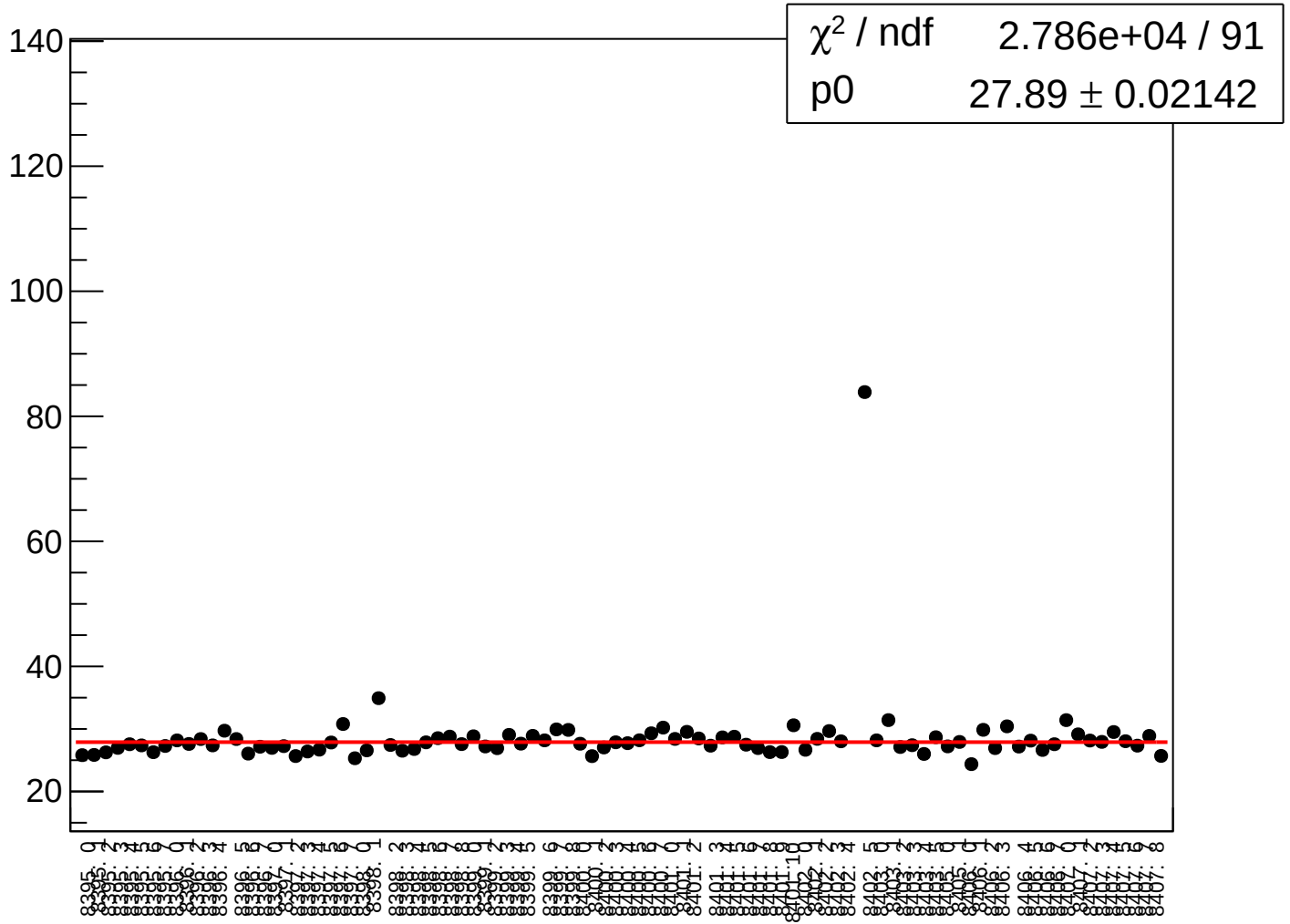

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 94.38 / 91
p0 −3.595e−07 ± 3.498e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 616.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.00319
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

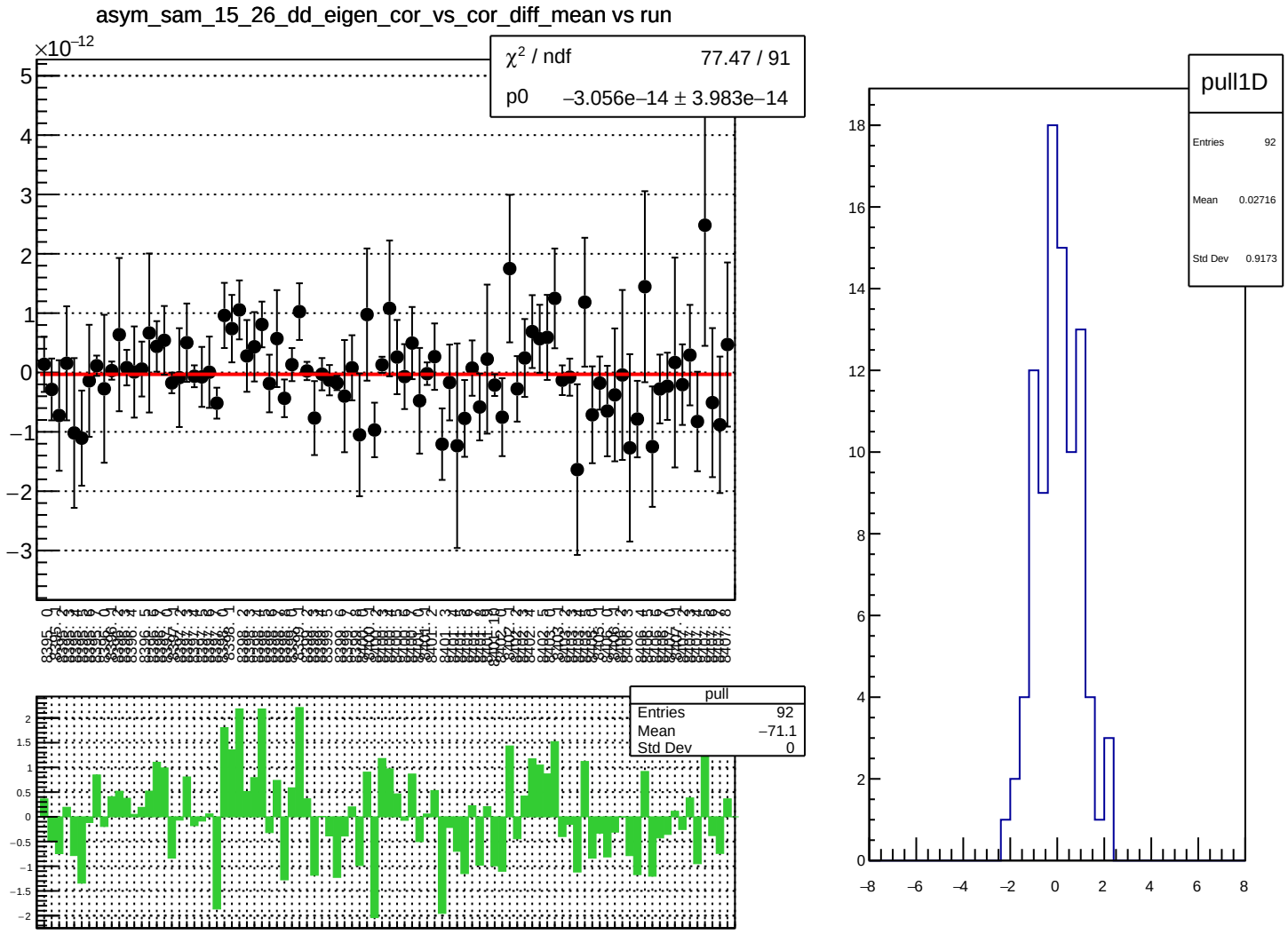

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.086e+04 / 91
p0 0.003237 ± 2.473e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

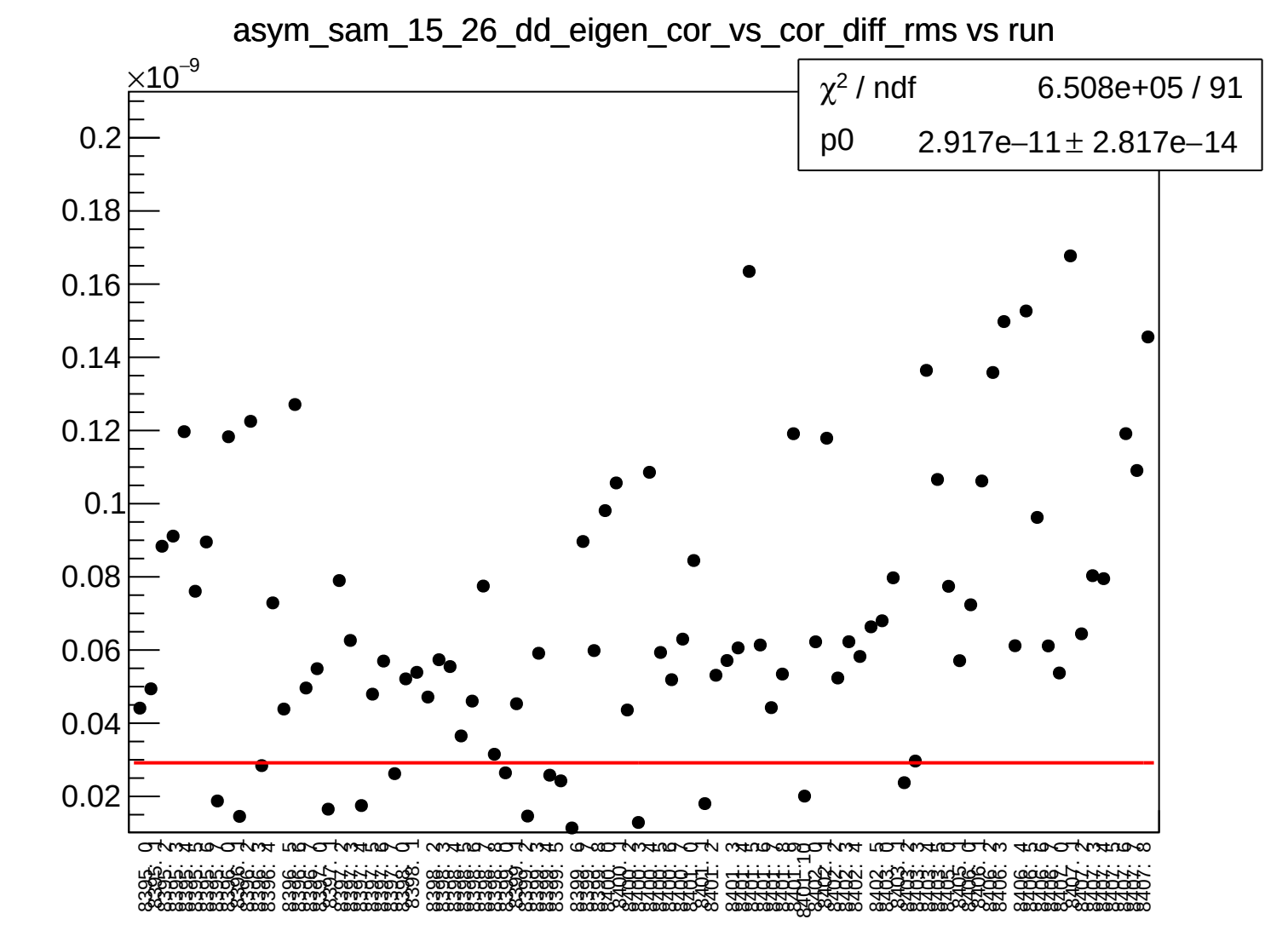

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 108.9 / 91
p0 −0.0395 ± 0.03029
pull
Entries 92
Mean 289
Std Dev 0
pull1D
Entries 92
Mean 0.01219
Std Dev 1.088

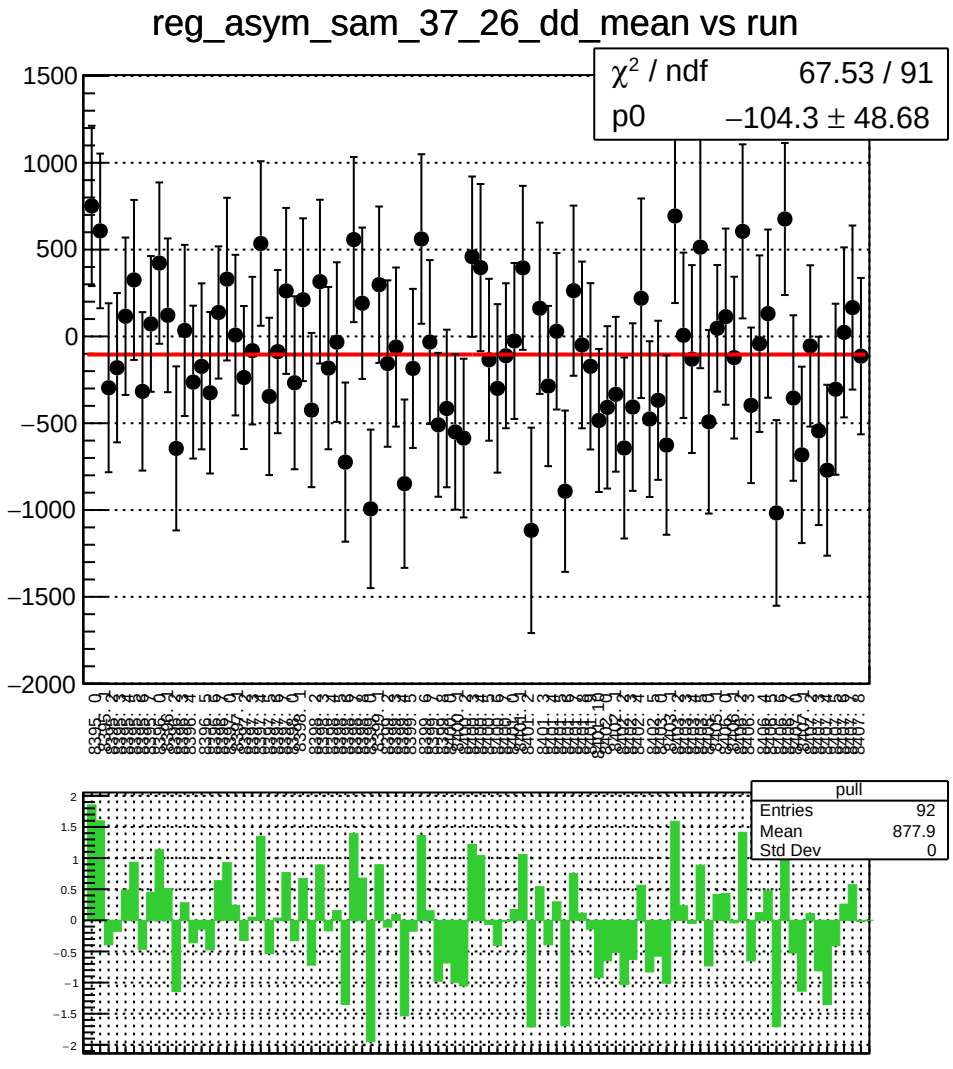

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.786e+04 / 91
p0 27.89 ± 0.02142
140
120
100
80
60
40
20

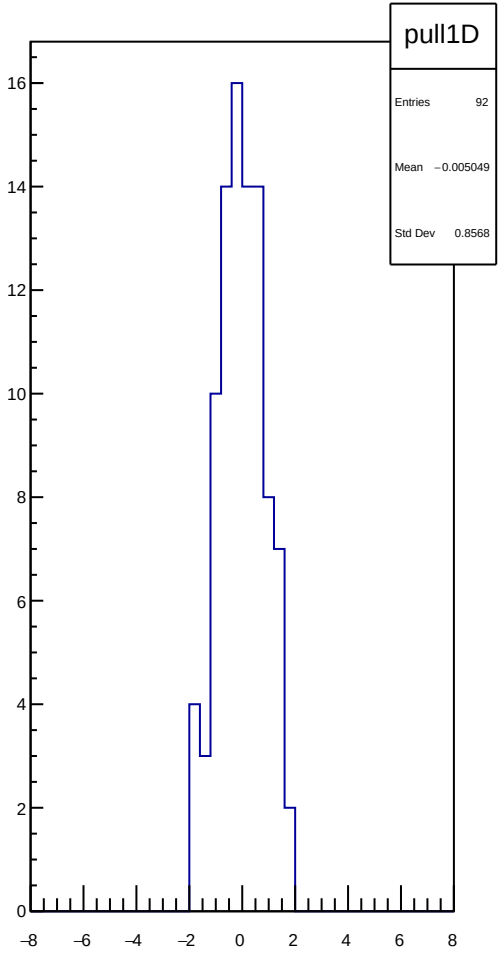

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 108.9 / 91
p0 −0.0395 ± 0.03029
pull
Entries 92
Mean 289
Std Dev 0
pull1D
Entries 92
Mean 0.01219
Std Dev 1.088

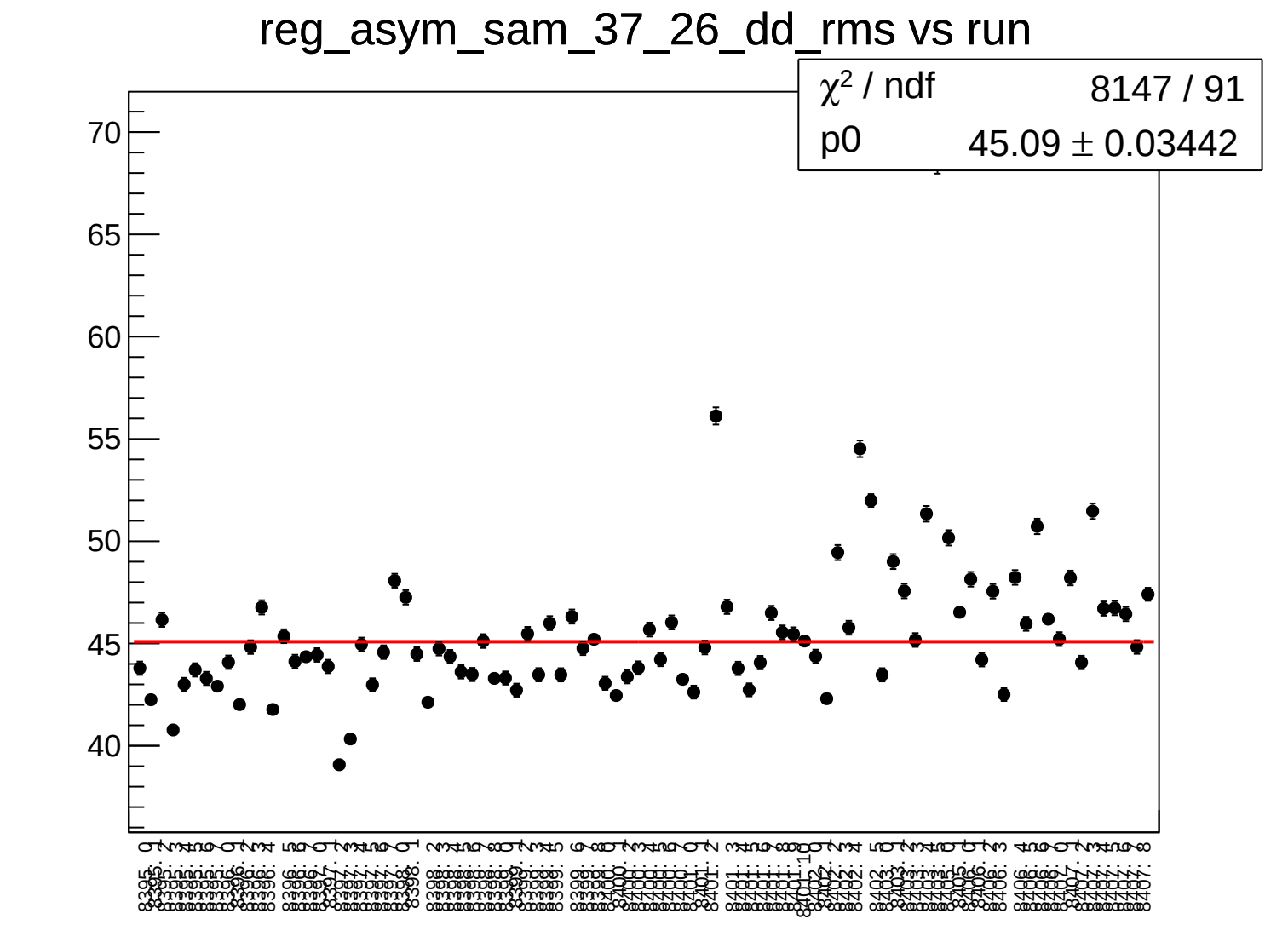

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.786e+04 / 91
p0 27.89 ± 0.02142
140
120
100
80
60
40
20

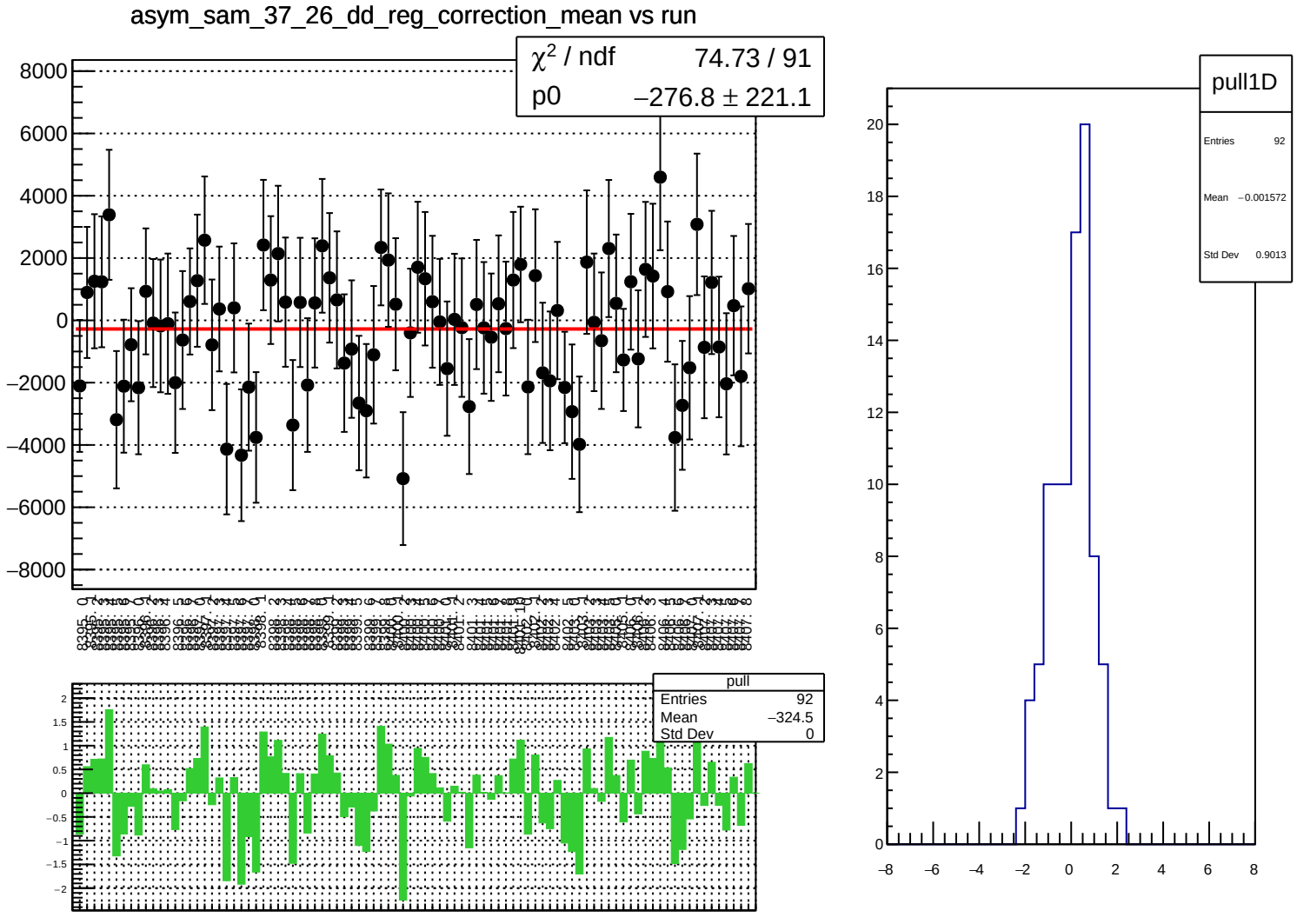

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.47 / 91
p0 −3.056e−14 ± 3.983e−14
pull
Entries 92
Mean −71.1
Std Dev 0
pull1D
Entries 92
Mean 0.02716
Std Dev 0.9173

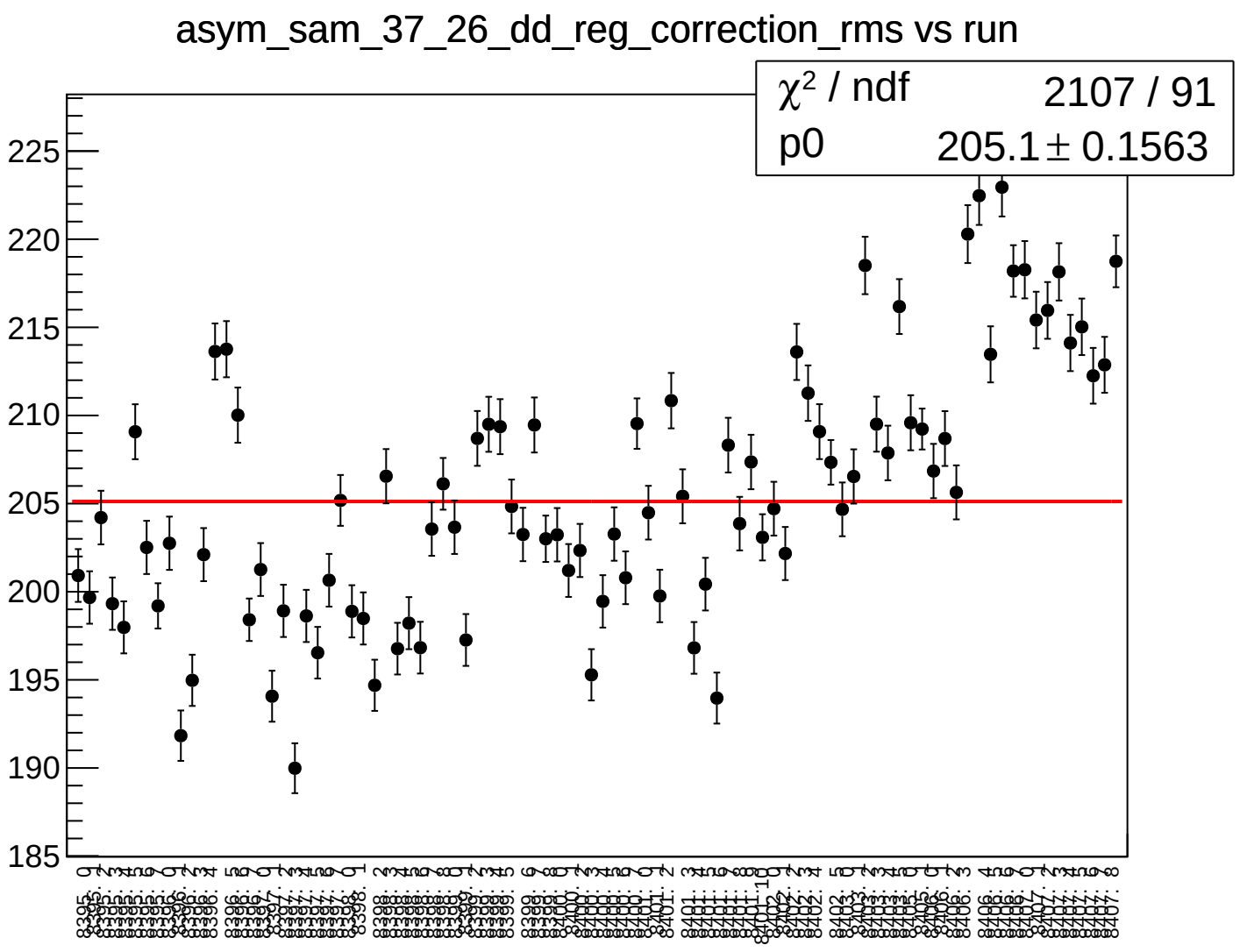

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.508e+05 / 91
p0 2.917e−11 ± 2.817e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

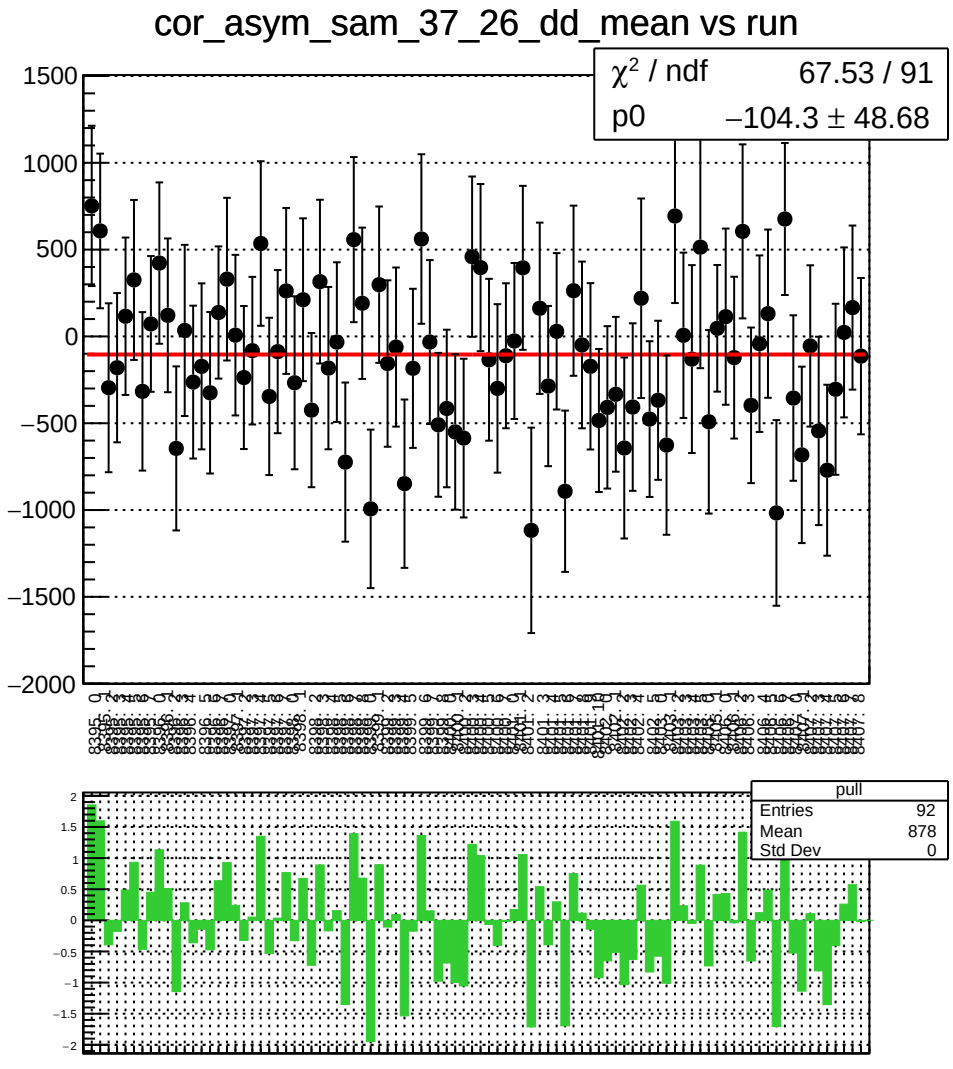

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.53 / 91
p0 −104.3 ± 48.68
pull
Entries 92
Mean 877.9
Std Dev 0

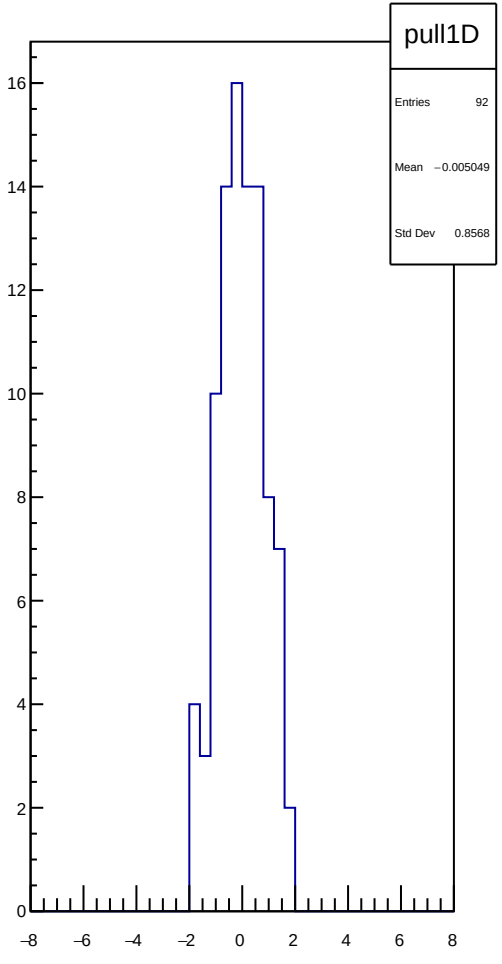

pull1D
Entries 92
Mean −0.005049
Std Dev 0.8568

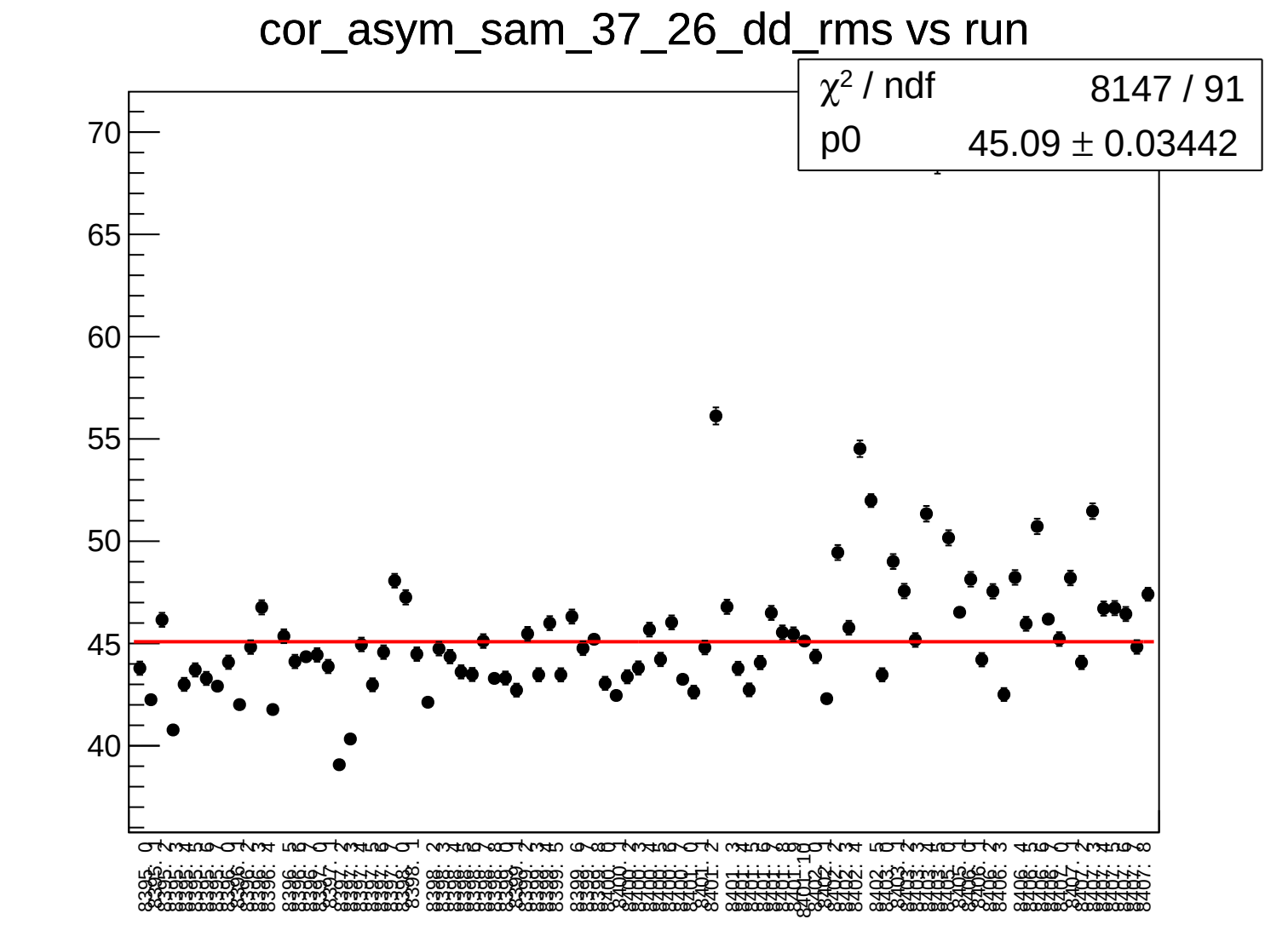

reg_asym_sam_37_26_dd_rms vs run
$\chi^2$ / ndf 8147 / 91
p0 45.09 ± 0.03442
70
65
60
55
50
45
40

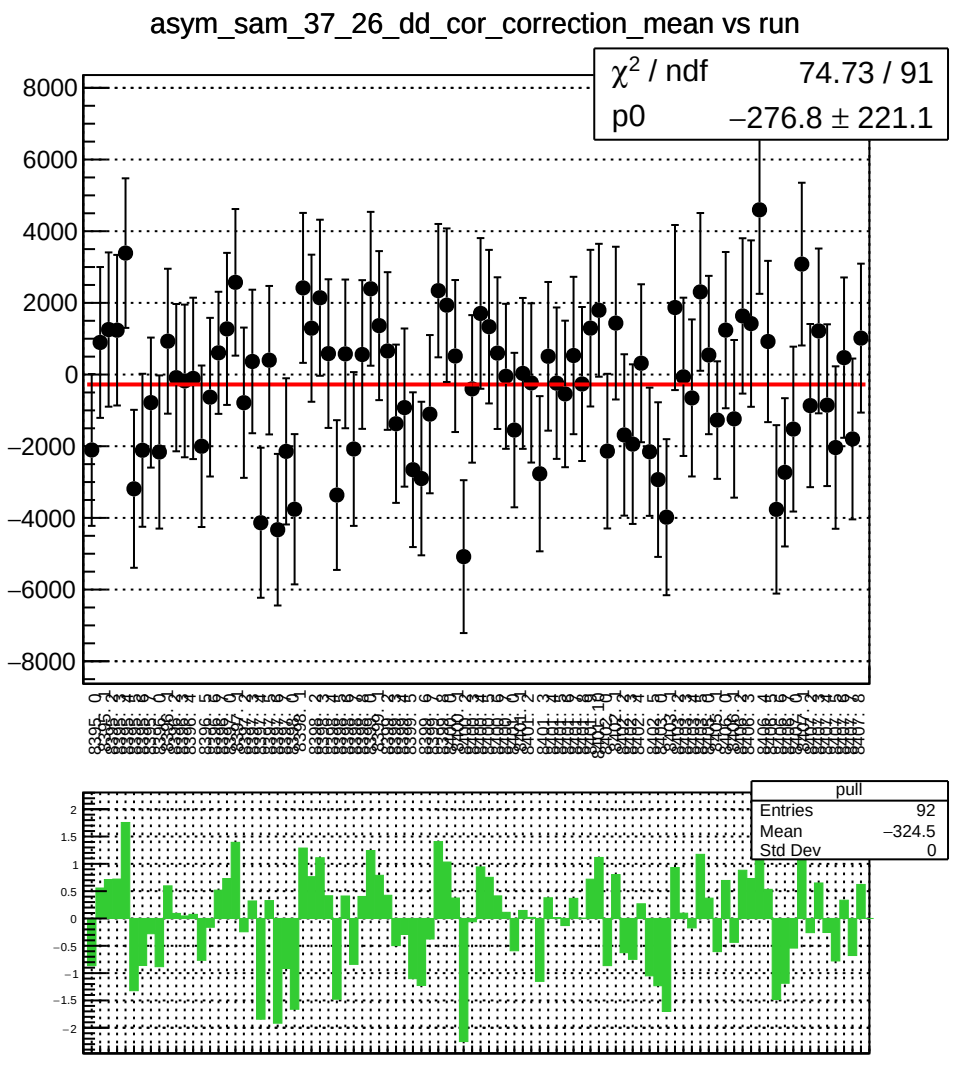

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 74.73 / 91
p0 −276.8 ± 221.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −324.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.001572
Std Dev 0.9013
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

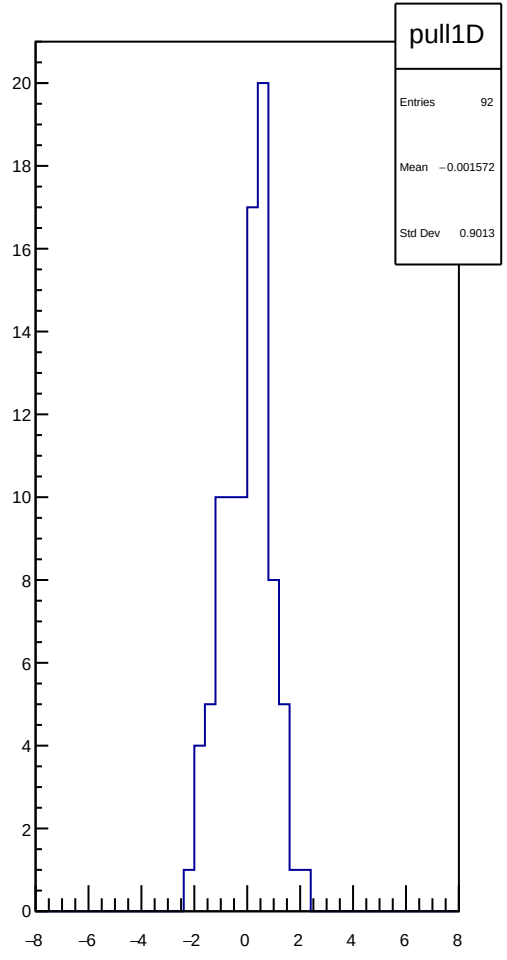

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 2107 / 91
p0 205.1 ± 0.1563
225
220
215
210
205
200
195
190
185

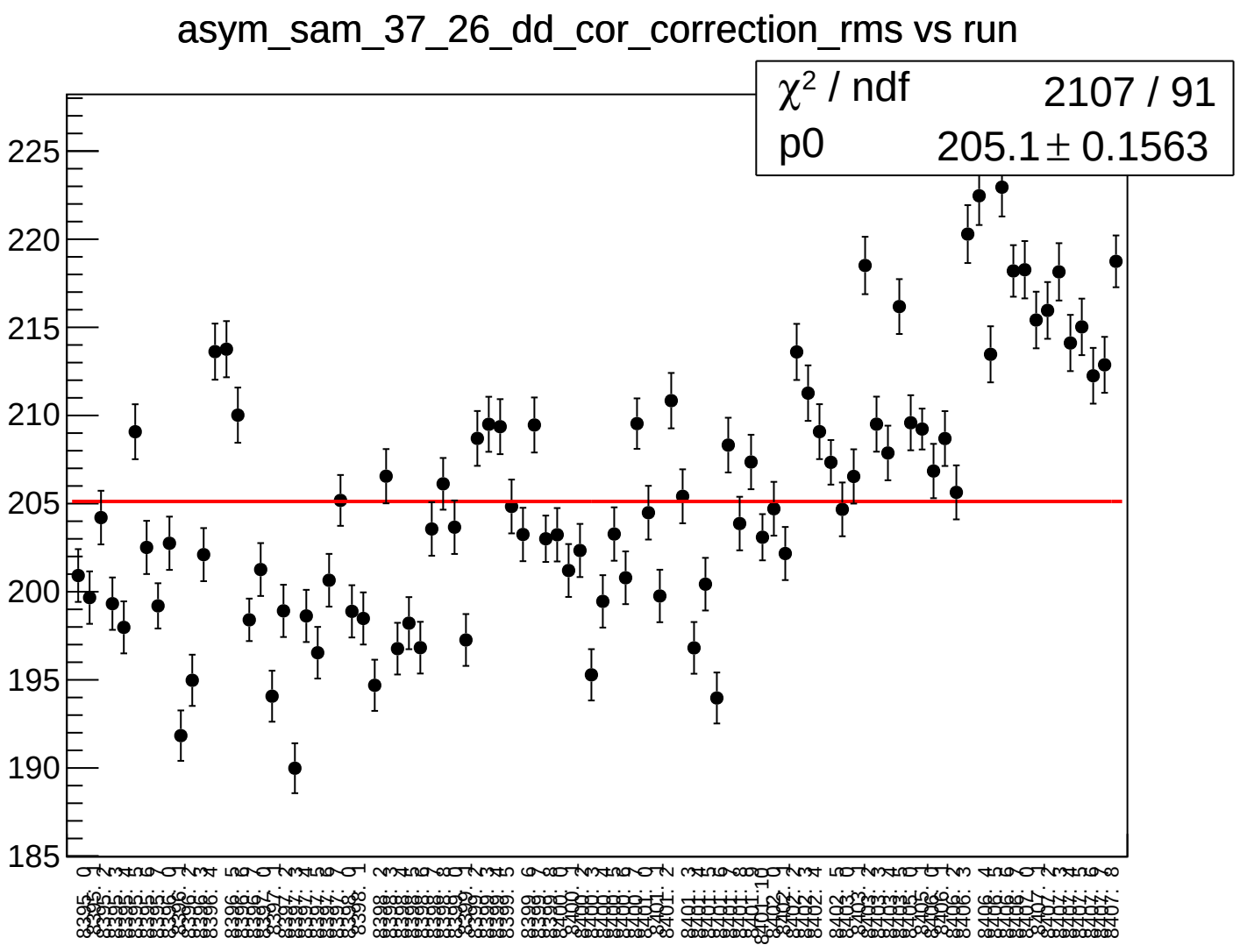

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.53 / 91
p0 −104.3 ± 48.68
pull
Entries 92
Mean 878
Std Dev 0

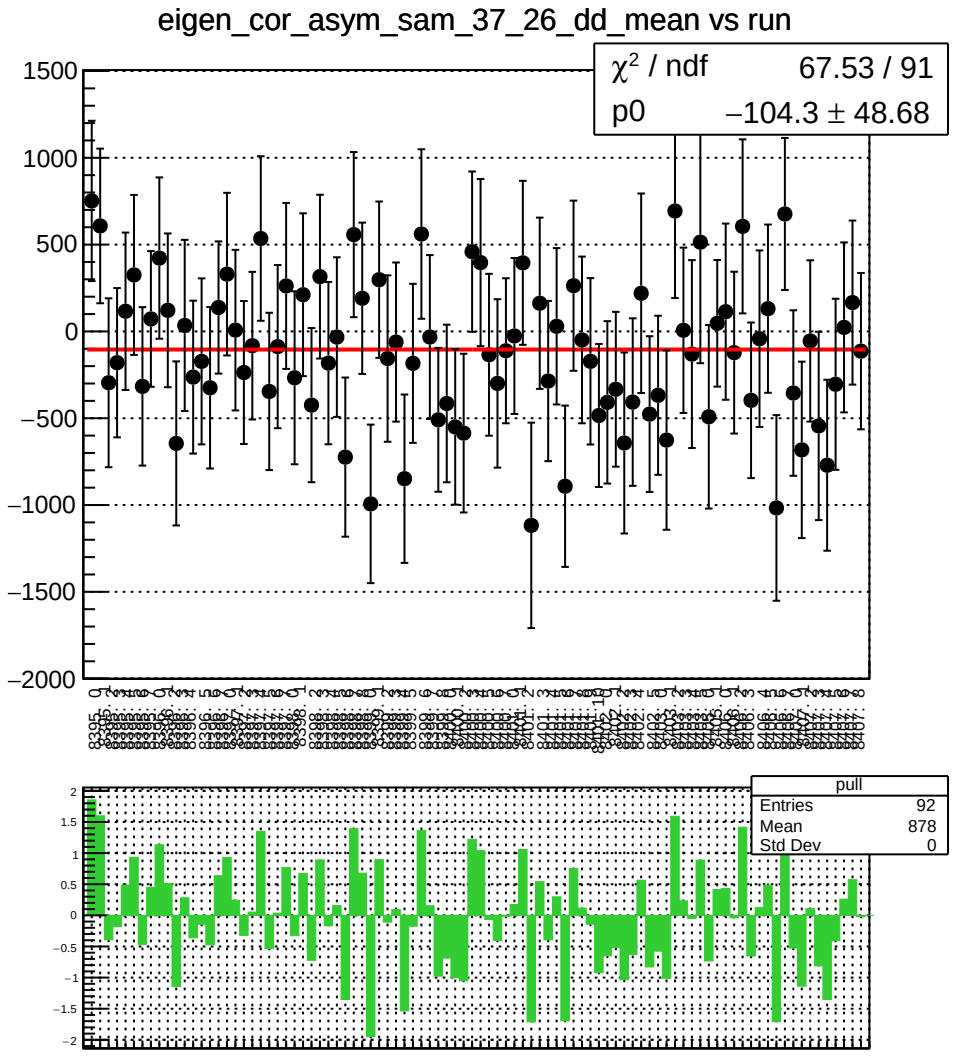

pull1D
Entries 92
Mean −0.005049
Std Dev 0.8568

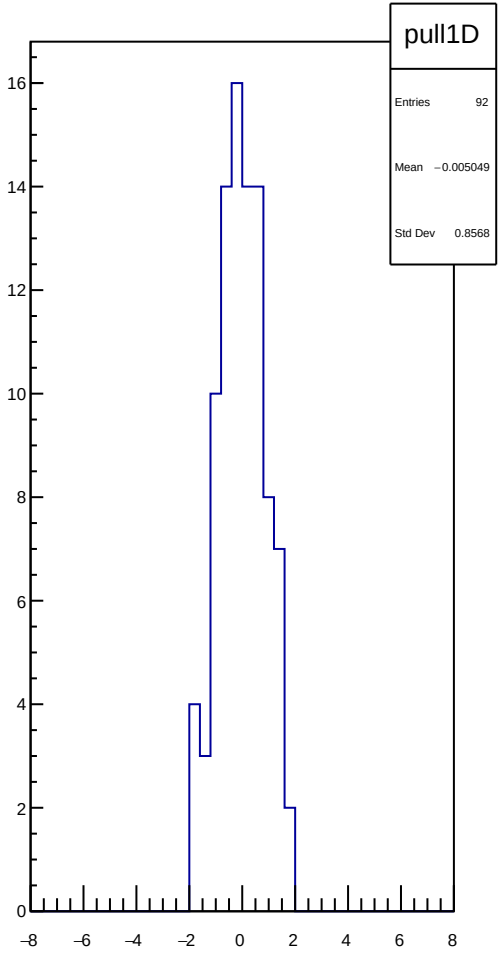

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 8147 / 91
p0 45.09 ± 0.03442
70
65
60
55
50
45
40

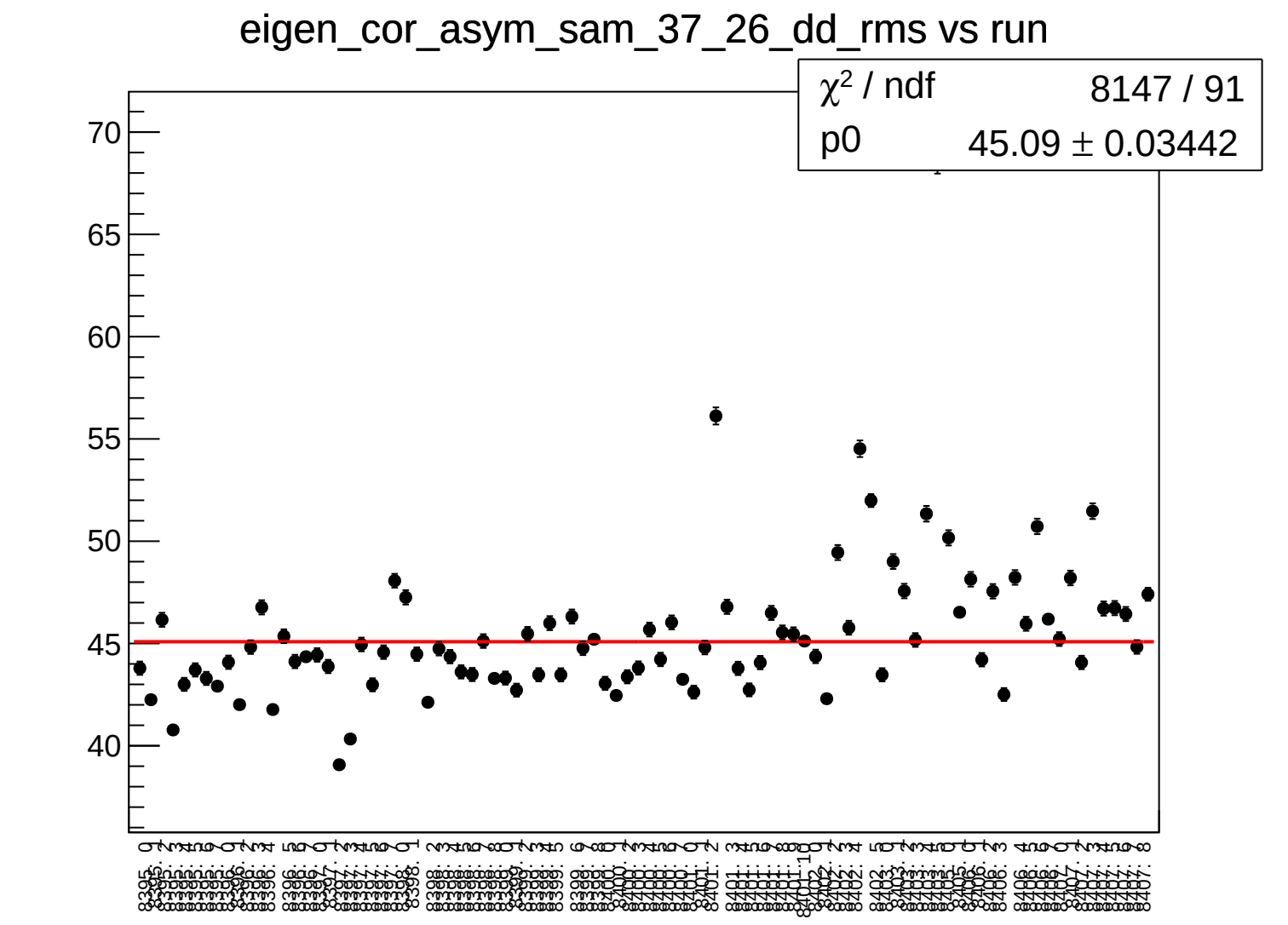

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 74.73 / 91
p0 −276.8 ± 221.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −324.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

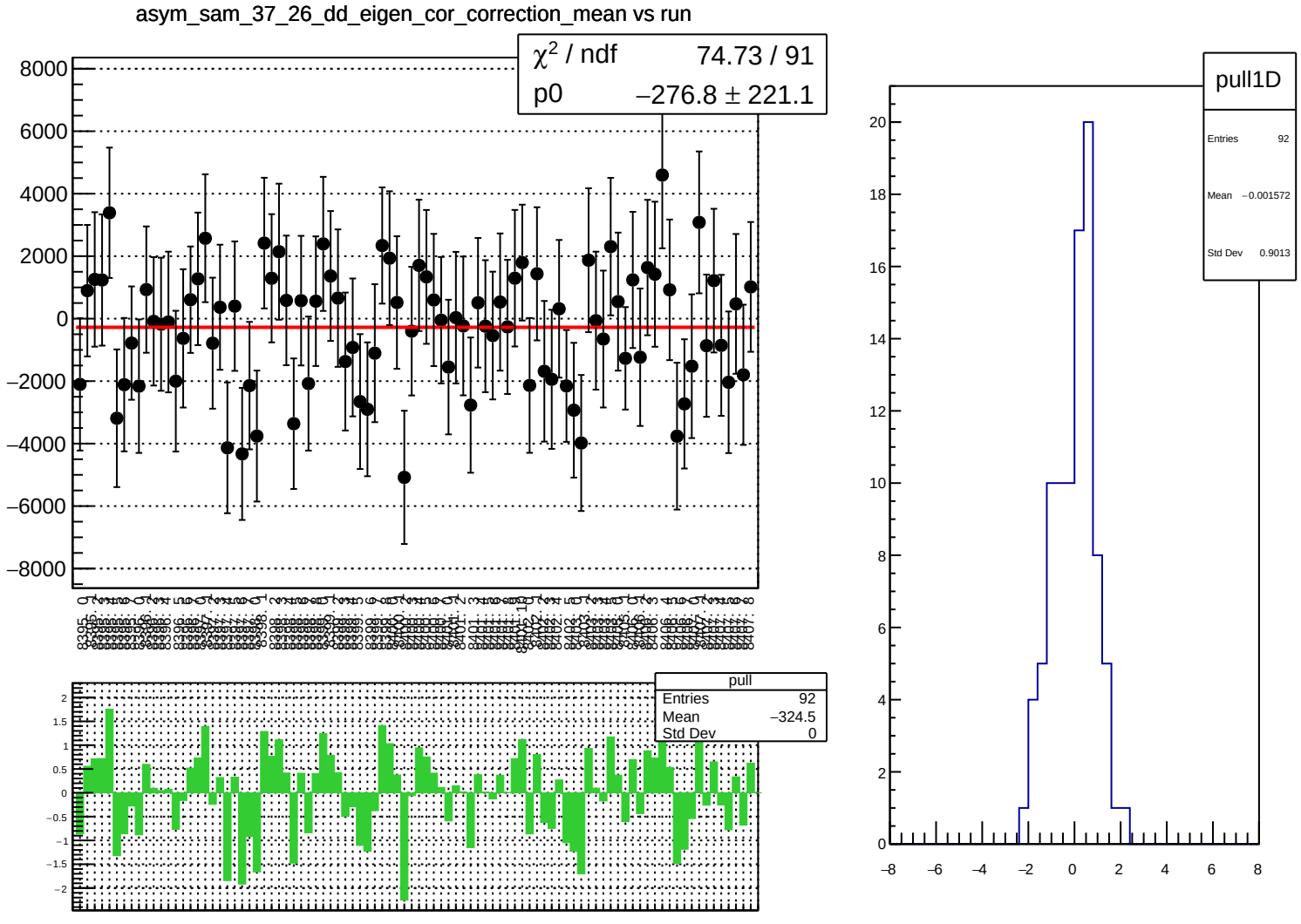

pull1D
Entries 92
Mean −0.001572
Std Dev 0.9013
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

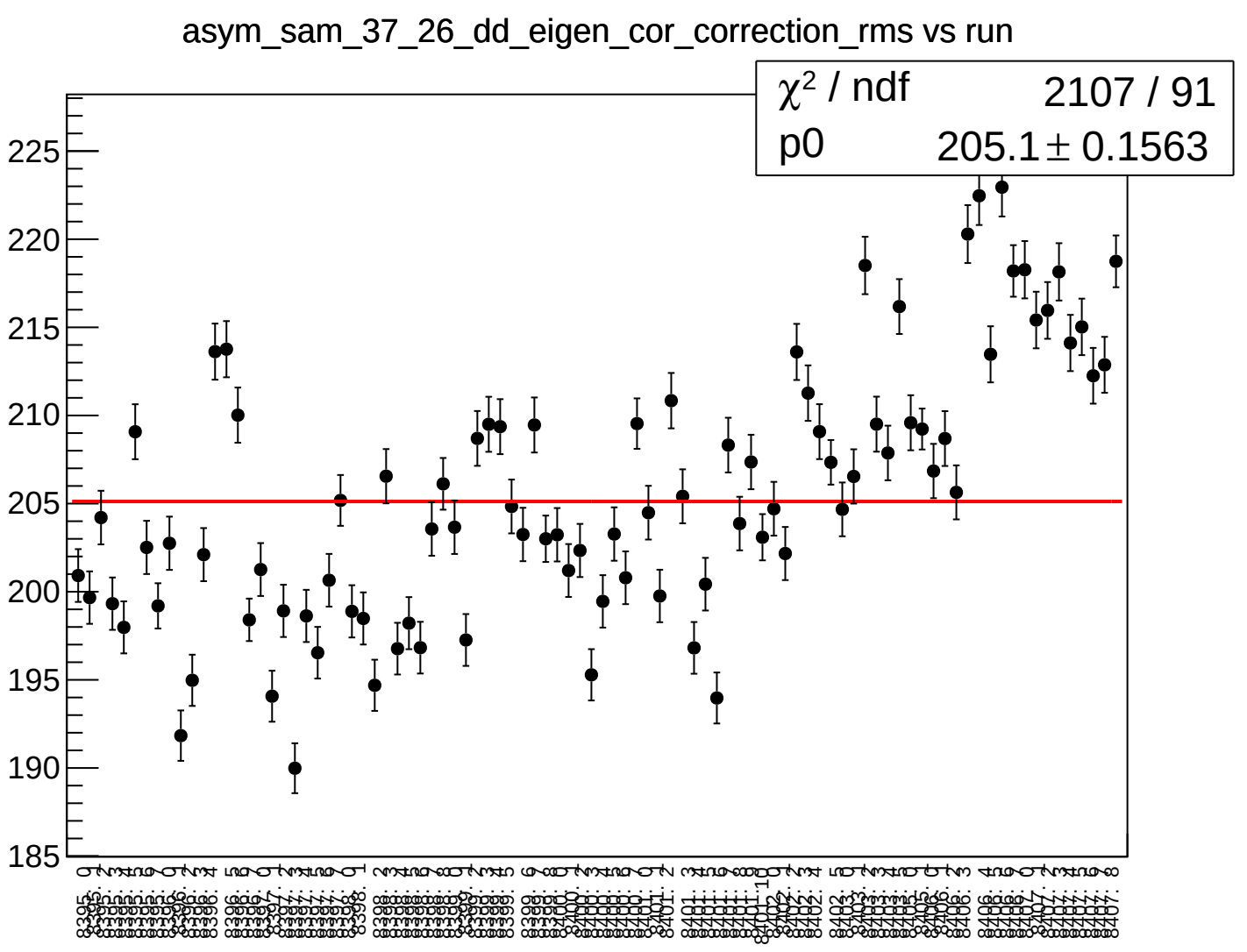

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 2107 / 91
p0 205.1 ± 0.1563
225
220
215
210
205
200
195
190
185

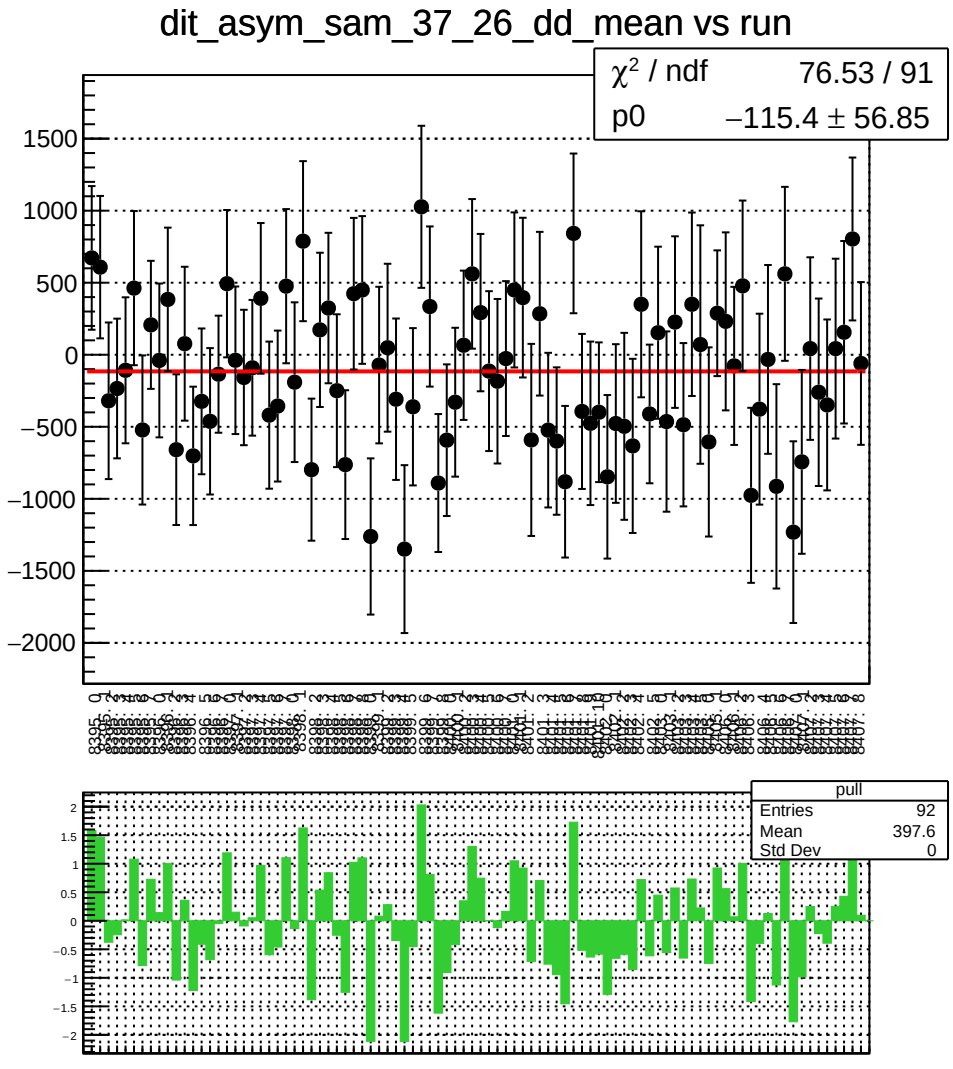

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.53 / 91
p0 −104.3 ± 48.68
pull
Entries 92
Mean 878
Std Dev 0

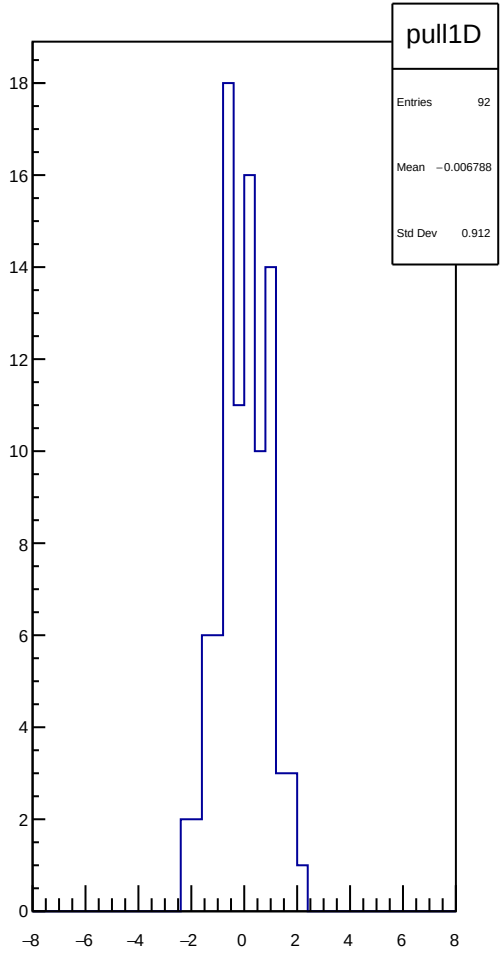

pull1D
Entries 92
Mean −0.005049
Std Dev 0.8568

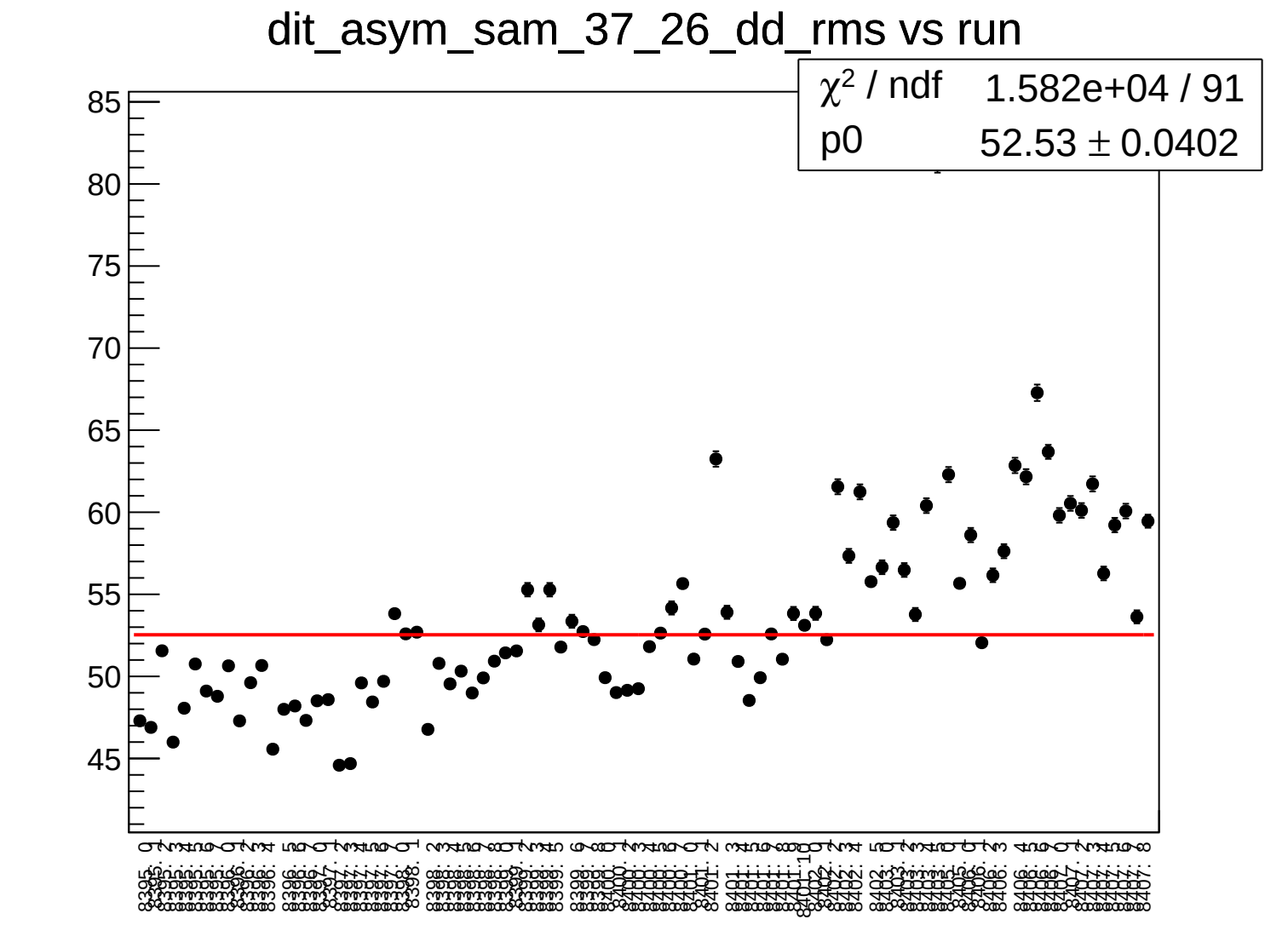

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 8147 / 91
p0 45.09 ± 0.03442
70
65
60
55
50
45
40

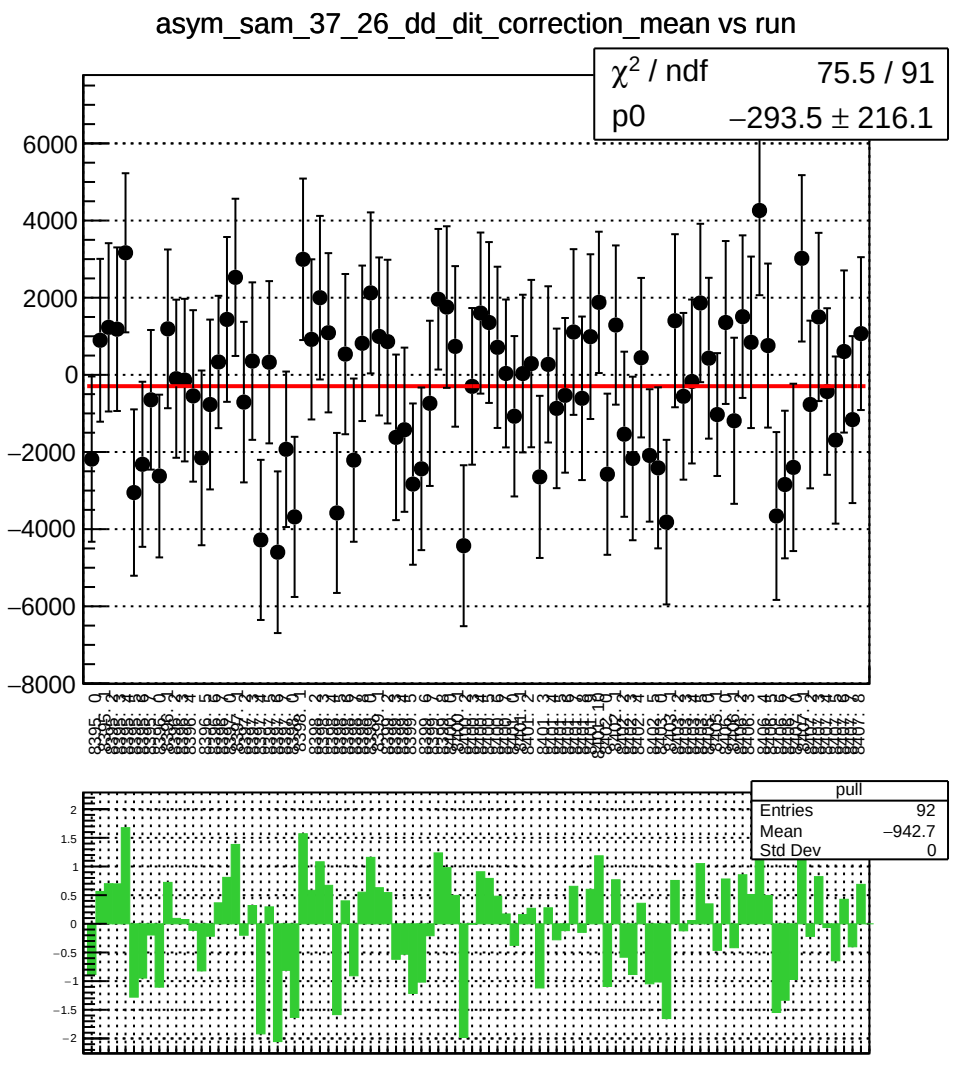

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.73 / 91
p0 −276.8 ± 221.1
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −324.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.001572
Std Dev 0.9013
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

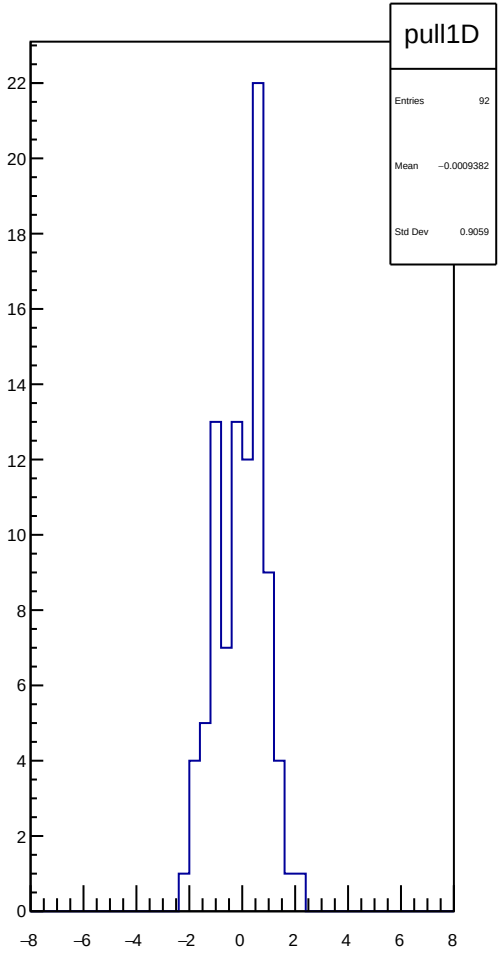

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2107 / 91
p0 205.1 ± 0.1563
225
220
215
210
205
200
195
190
185

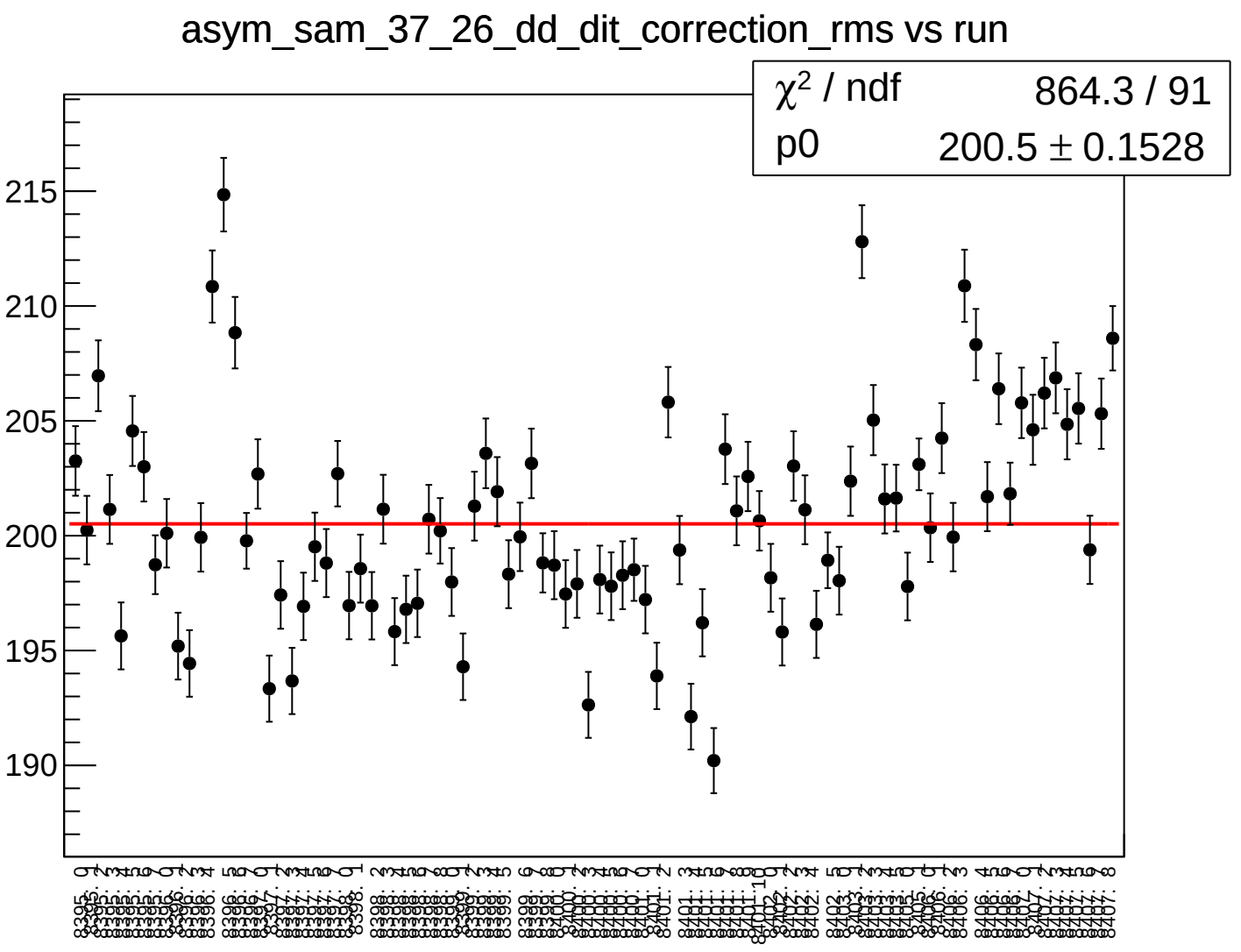

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 76.53 / 91
p0 −115.4 ± 56.85
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 92
Mean 397.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

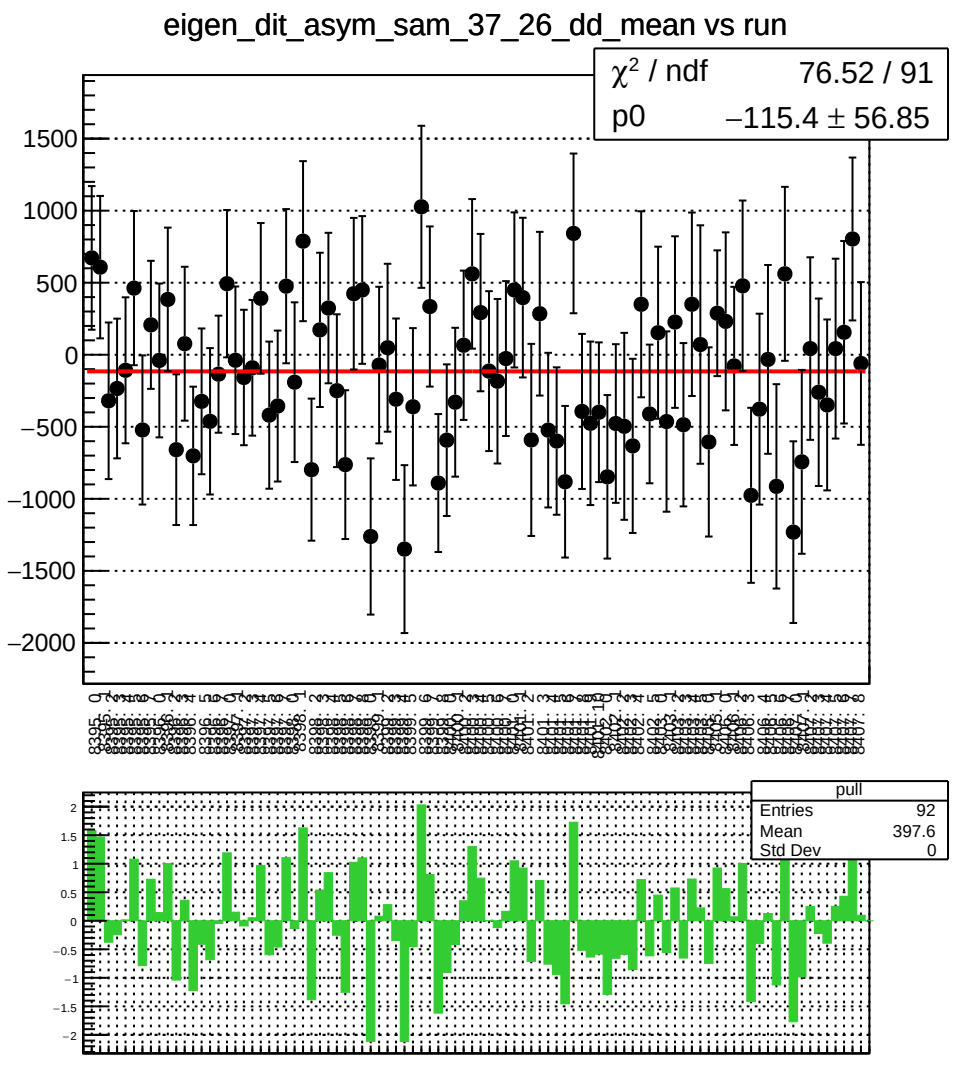

pull1D
Entries 92
Mean −0.006788
Std Dev 0.912
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

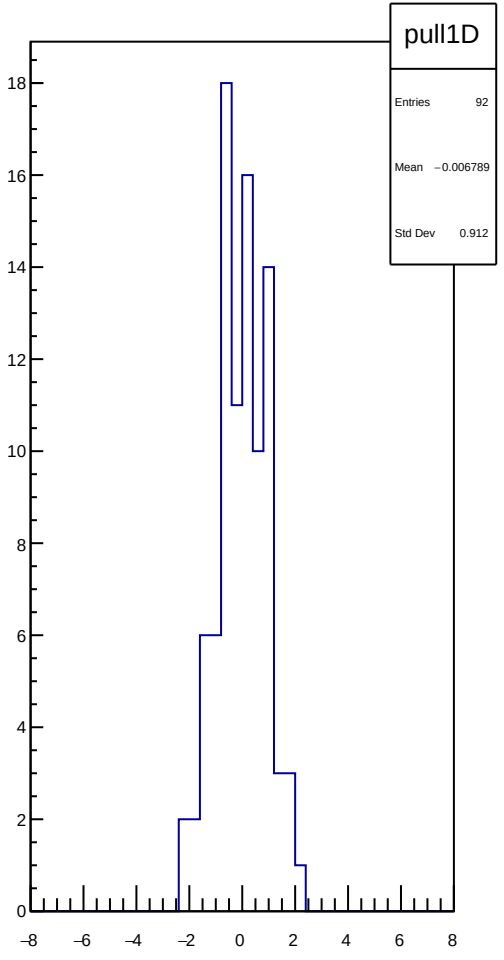

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.582e+04 / 91
p0 52.53 ± 0.0402
85
80
75
70
65
60
55
50
45

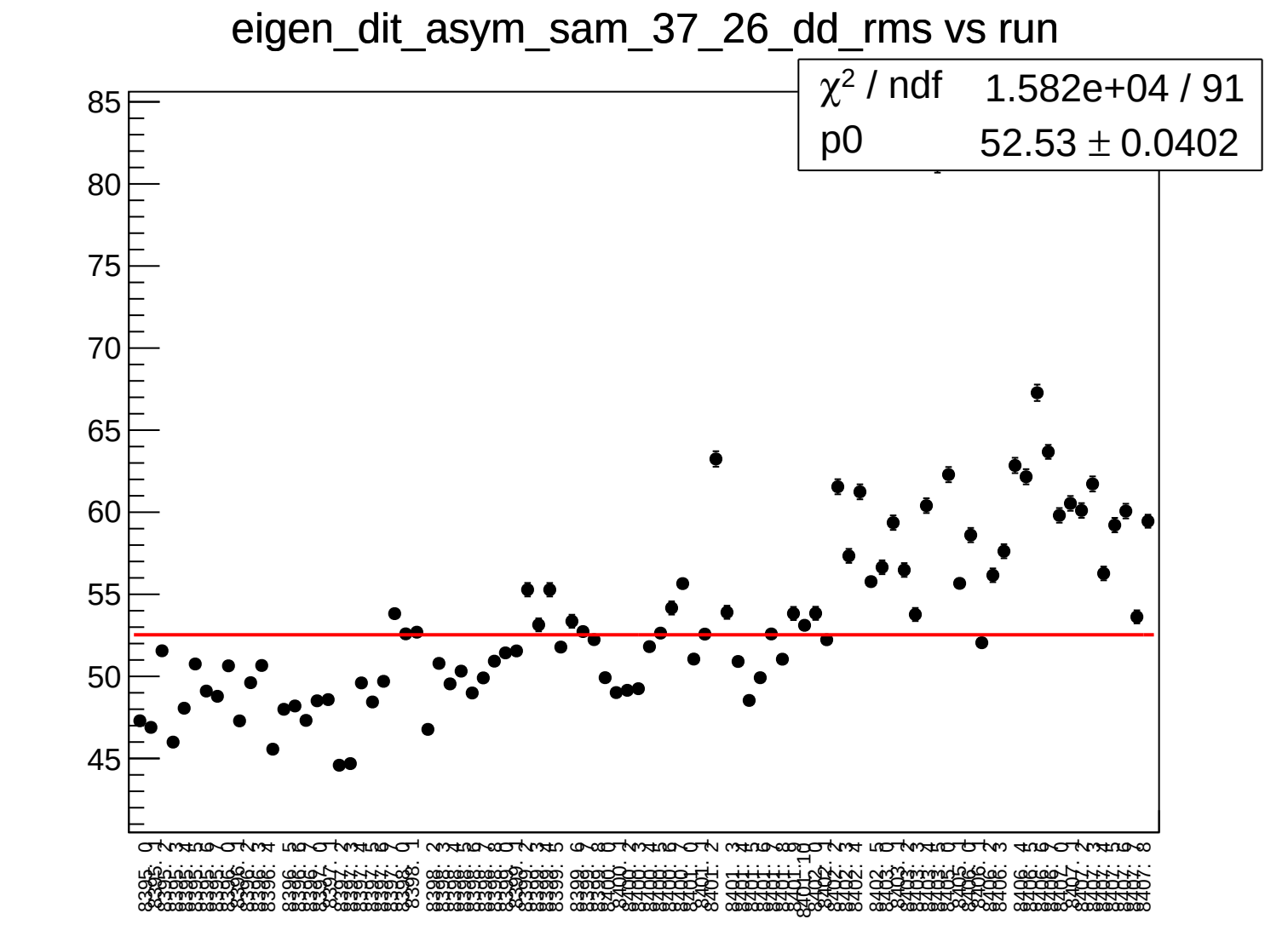

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 75.5 / 91
p0 −293.5 ± 216.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 92
Mean −942.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

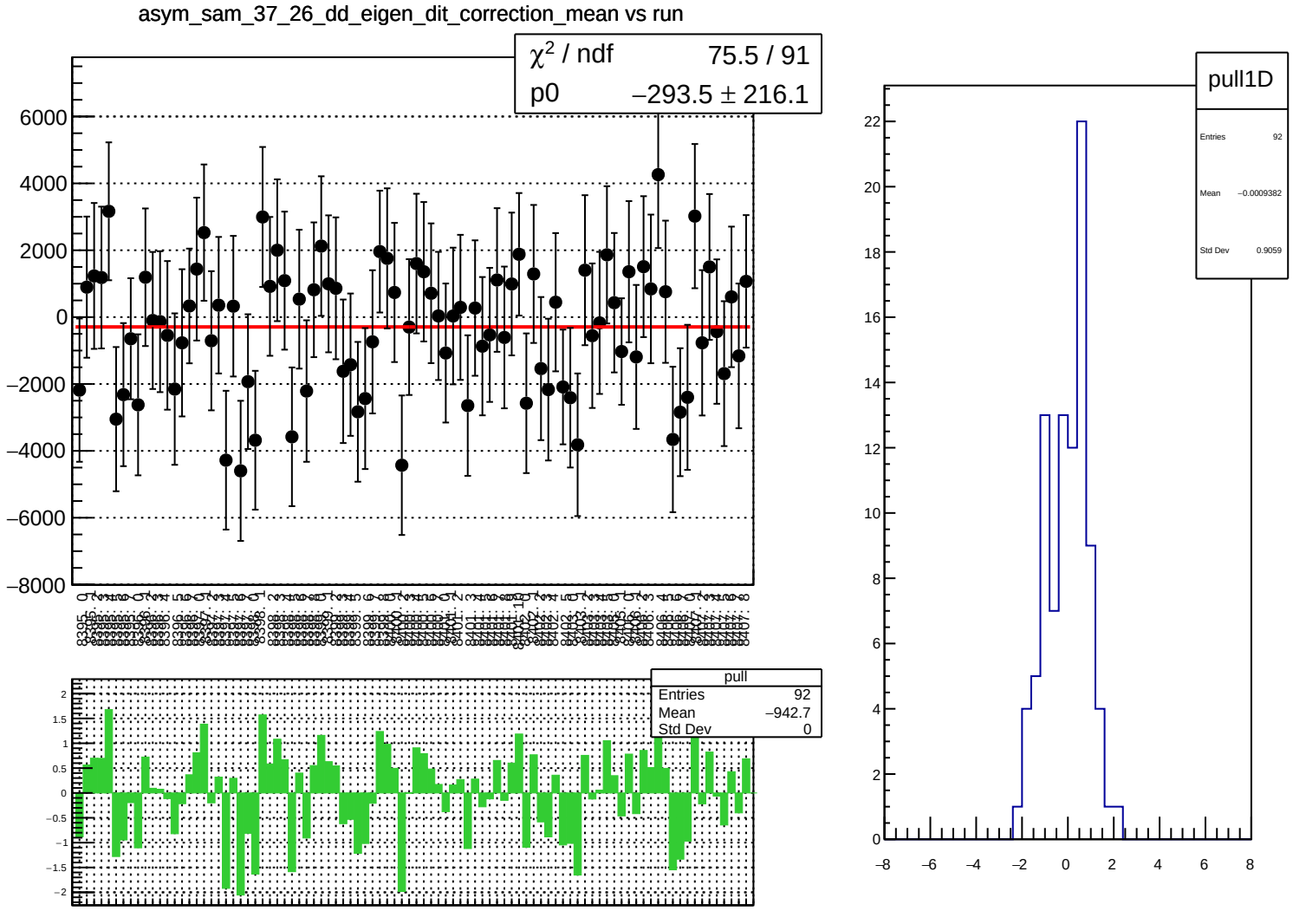

pull1D
Entries 92
Mean −0.0009382
Std Dev 0.9059
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

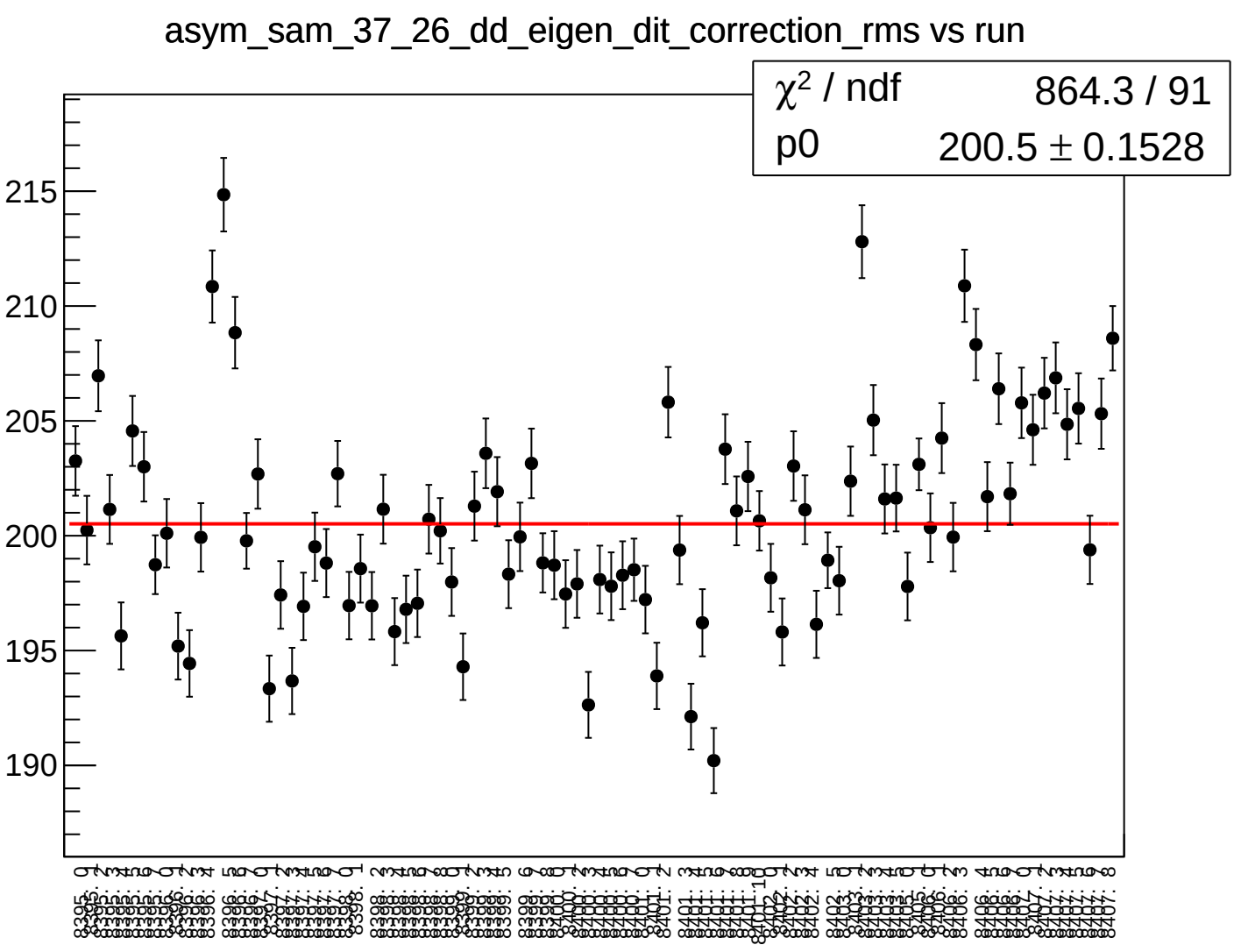

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 864.3 / 91
p0 200.5 ± 0.1528
215
210
205
200
195
190

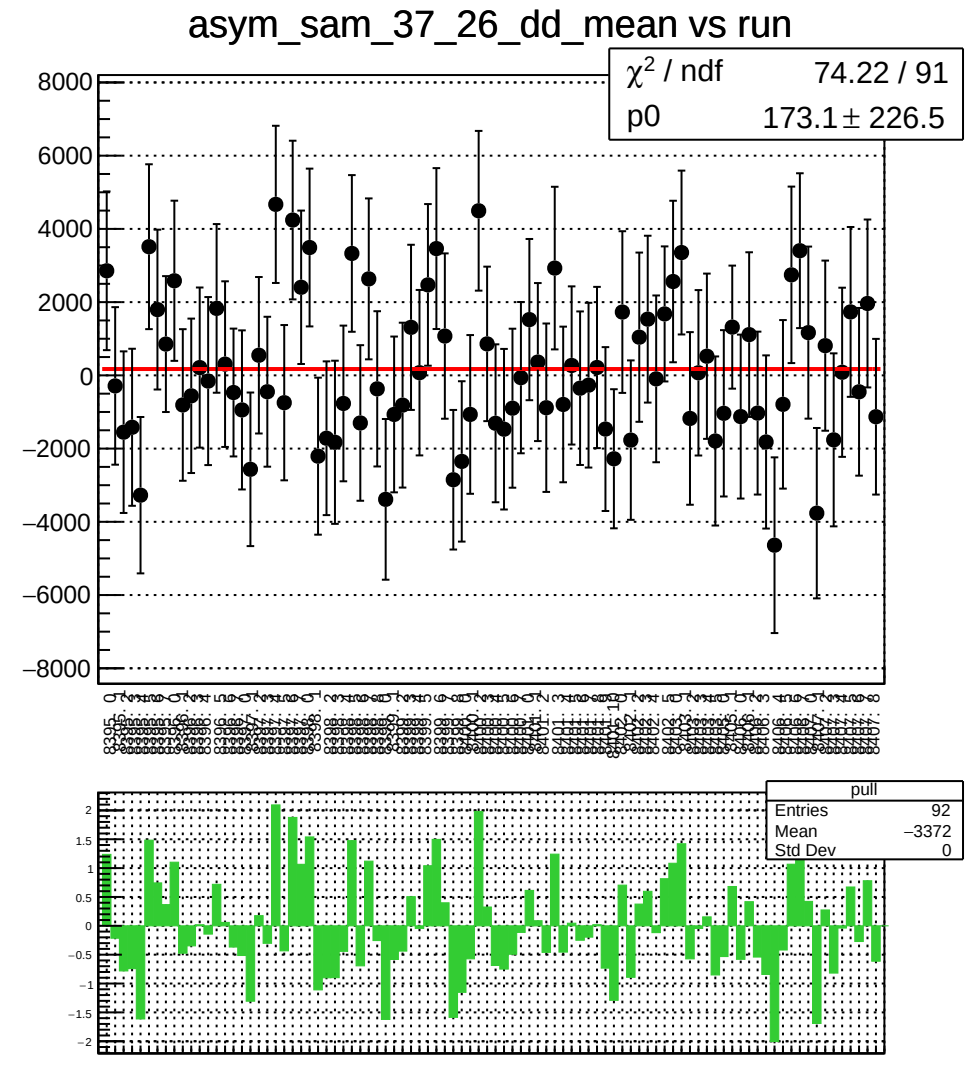

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 76.52 / 91
p0 −115.4 ± 56.85
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 92
Mean 397.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

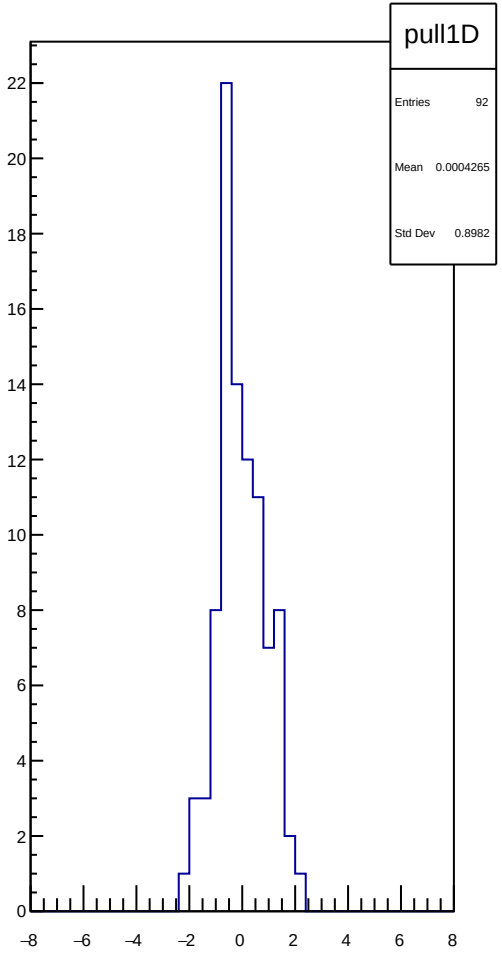

pull1D
Entries 92
Mean −0.006789
Std Dev 0.912
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

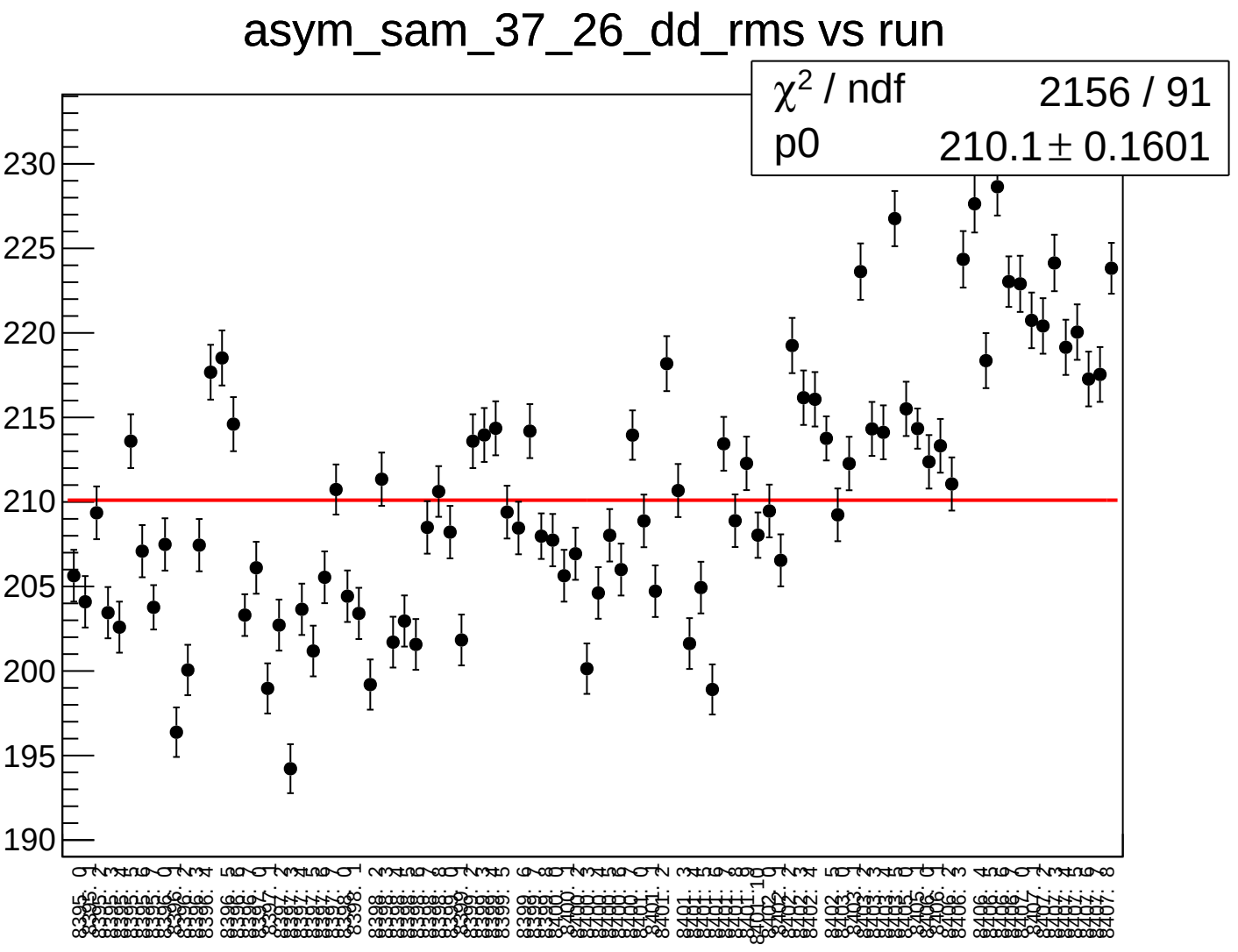

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.582e+04 / 91
p0 52.53 ± 0.0402
85
80
75
70
65
60
55
50
45

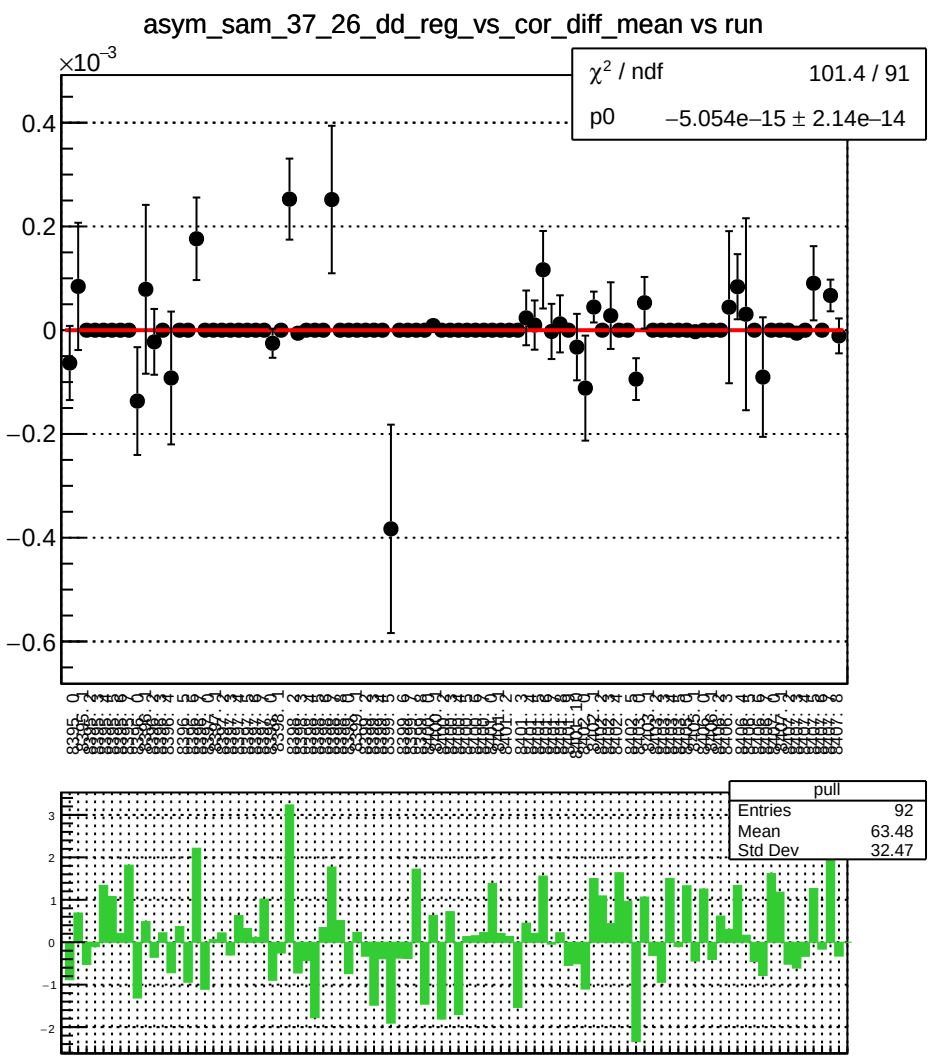

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.5 / 91
p0 −293.5 ± 216.1
pull
Entries 92
Mean −942.7
Std Dev 0
pull1D
Entries 92
Mean −0.0009382
Std Dev 0.9059

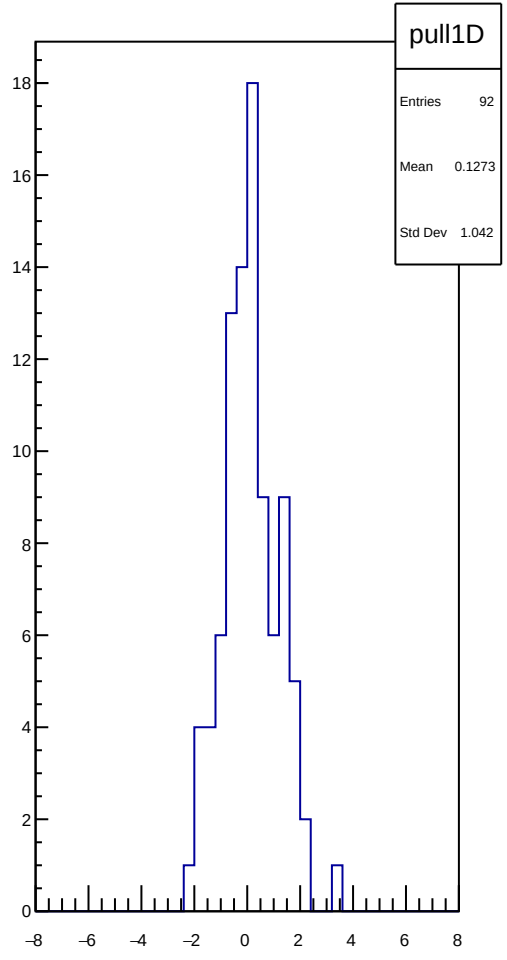

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 864.3 / 91
p0 200.5 ± 0.1528
215
210
205
200
195
190

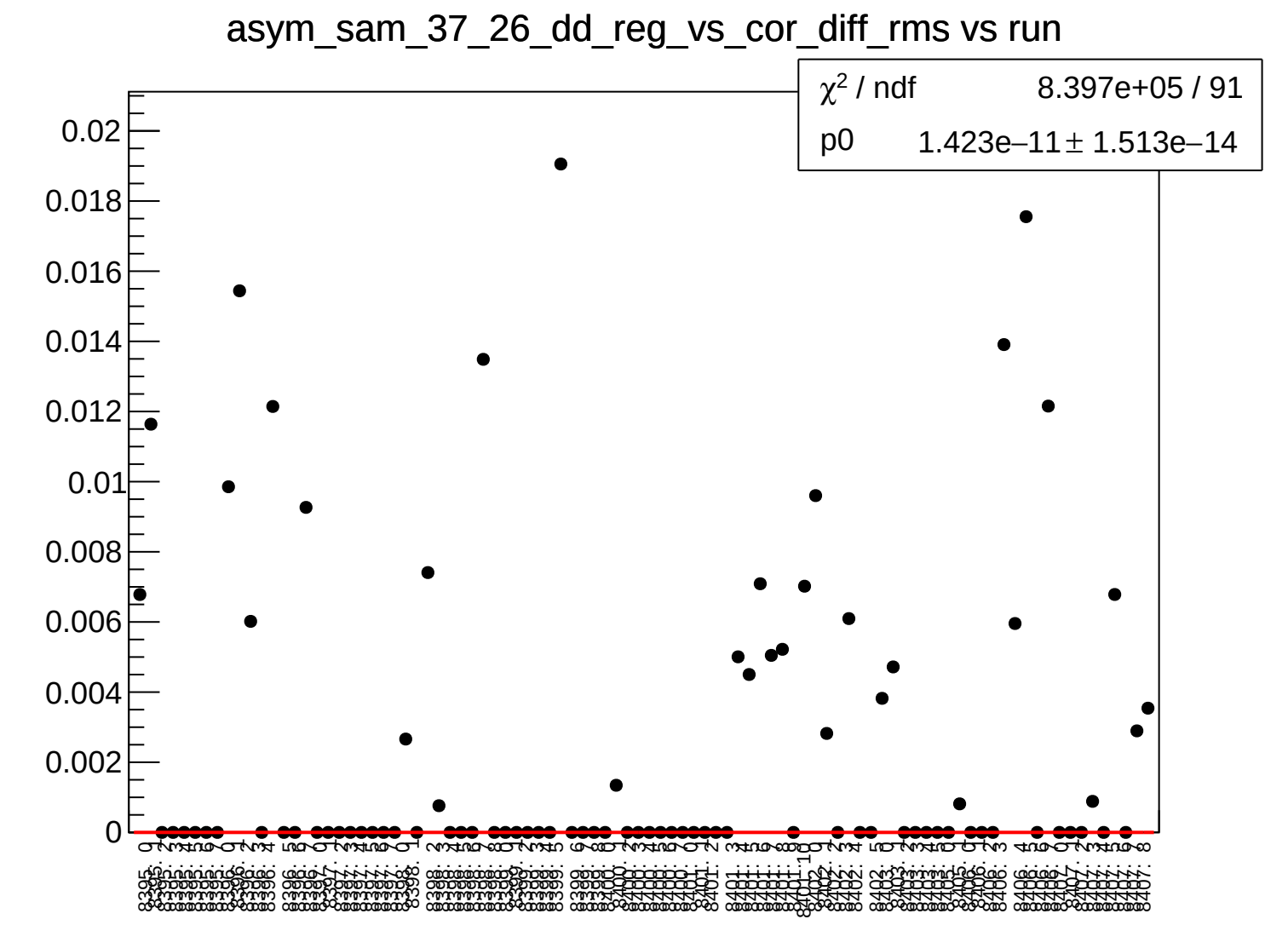

asym_sam_37_26_dd_mean vs run
χ² / ndf 74.22 / 91
p0 173.1 ± 226.5
pull
Entries 92
Mean −3372
Std Dev 0

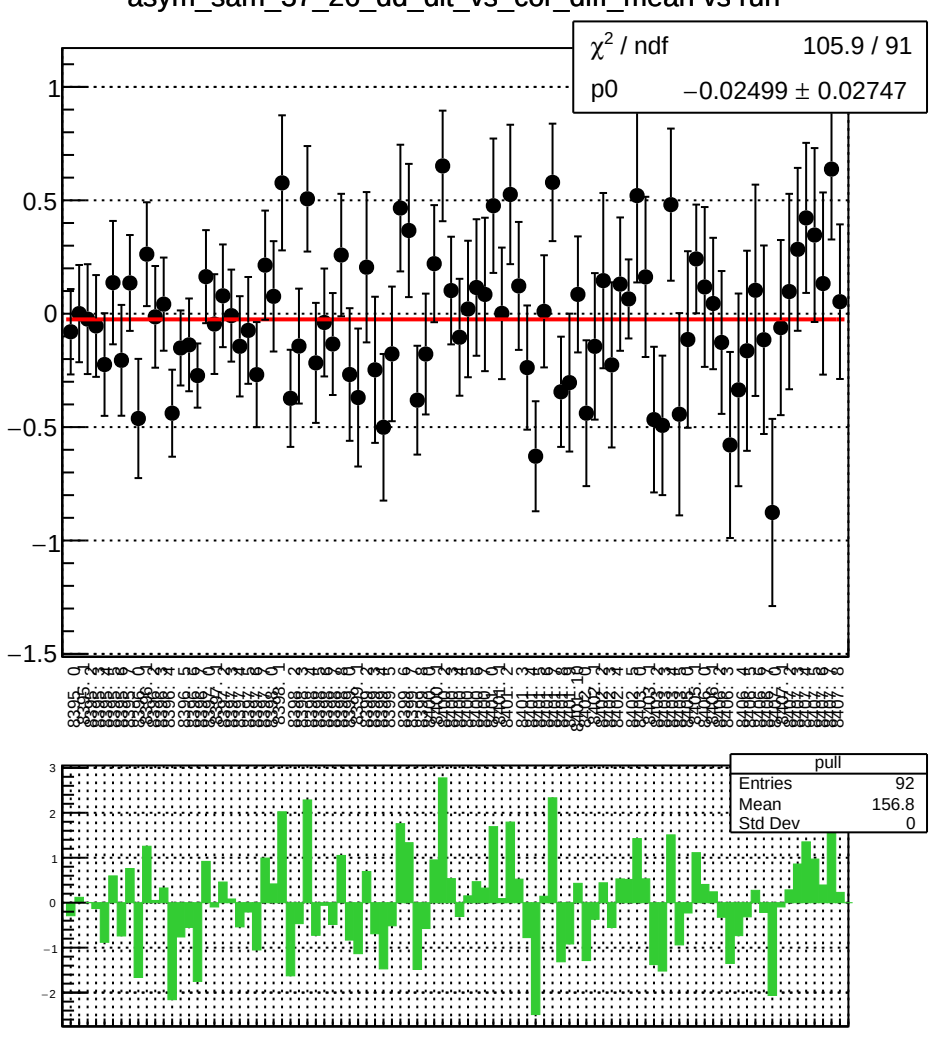

pull1D
Entries 92
Mean 0.0004265
Std Dev 0.8982

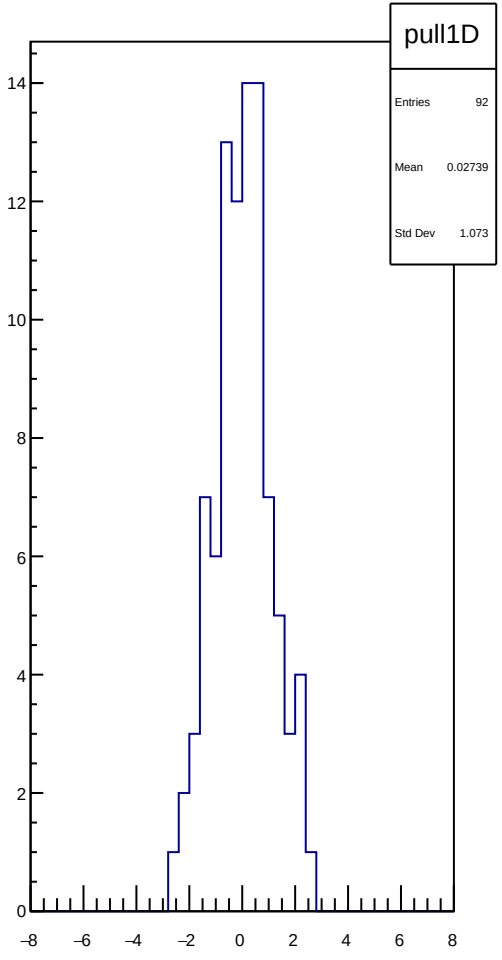

asym_sam_37_26_dd_rms vs run
$\chi^2$ / ndf 2156 / 91
p0 210.1 ± 0.1601
230
225
220
215
210
205
200
195
190

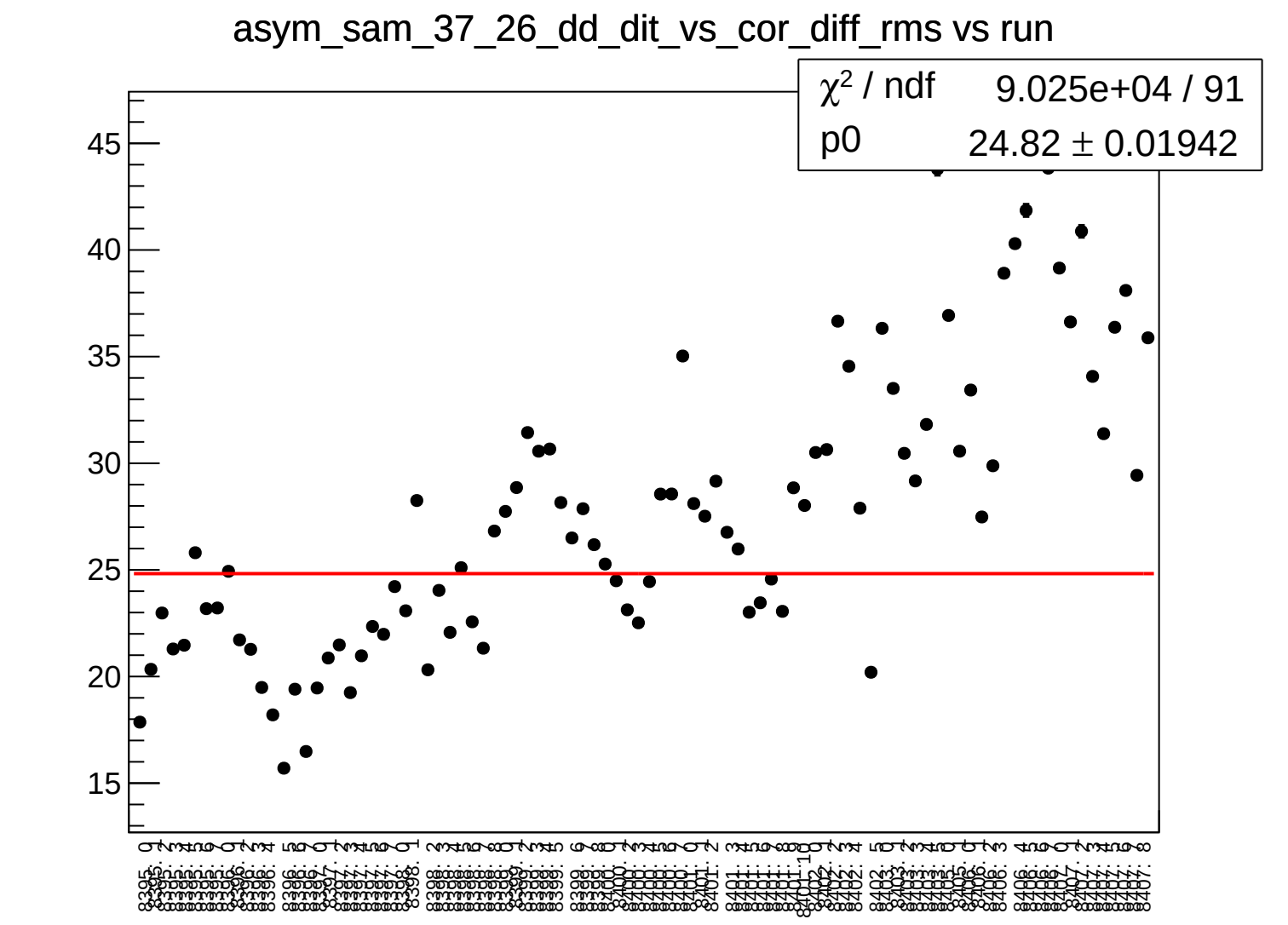

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 101.4 / 91
p0 −5.054e−15 ± 2.14e−14
pull
Entries 92
Mean 63.48
Std Dev 32.47

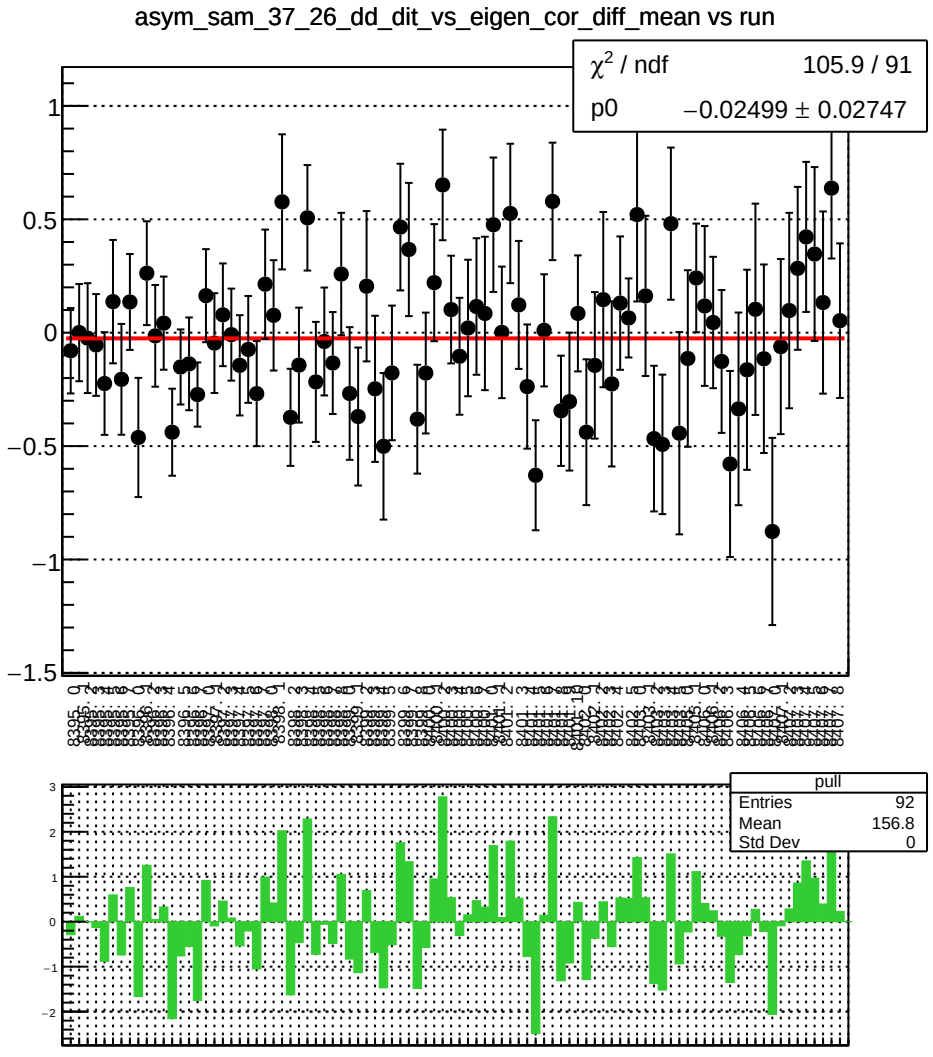

pull1D
Entries 92
Mean 0.1273
Std Dev 1.042

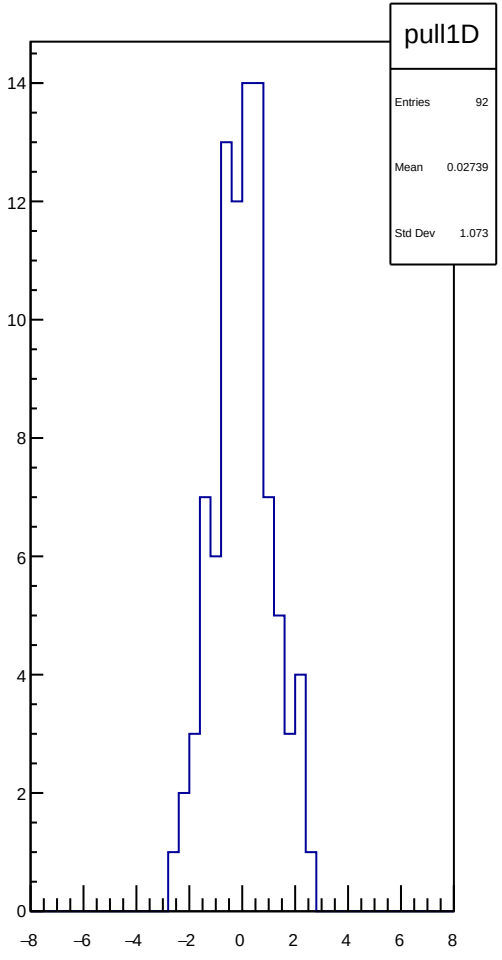

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.397e+05 / 91
p0 1.423e−11 ± 1.513e−14
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

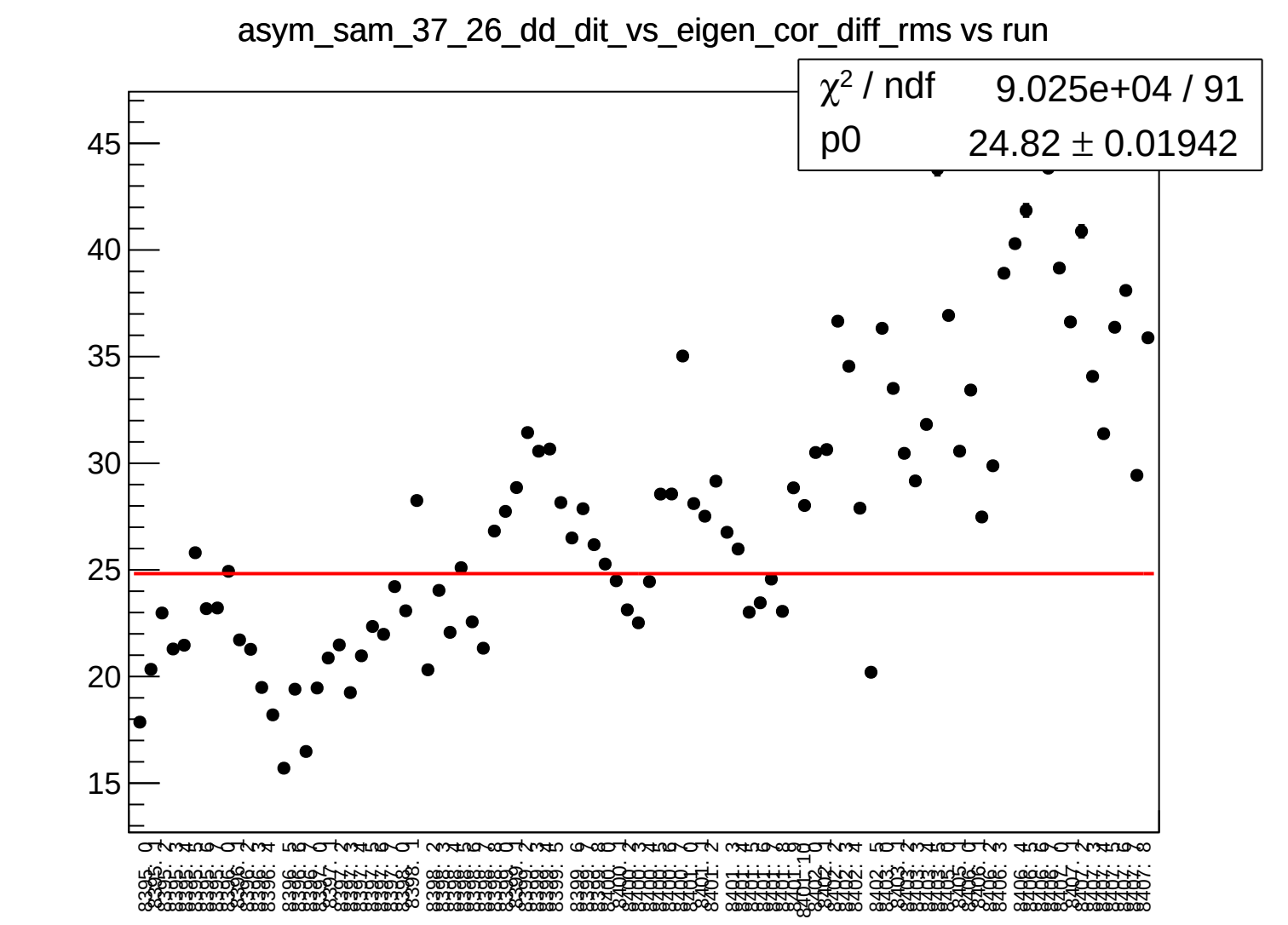

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 105.9 / 91
p0 −0.02499 ± 0.02747
pull
Entries 92
Mean 156.8
Std Dev 0

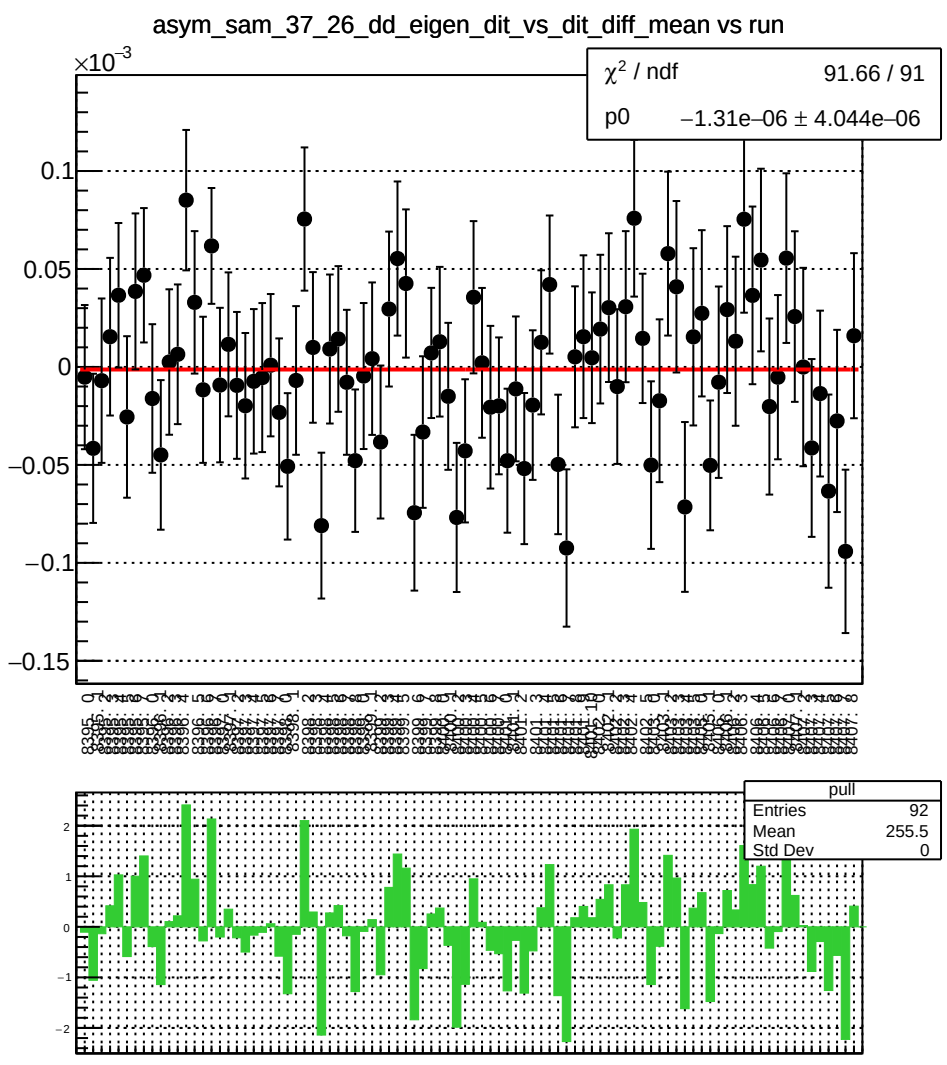

pull1D
Entries 92
Mean 0.02739
Std Dev 1.073

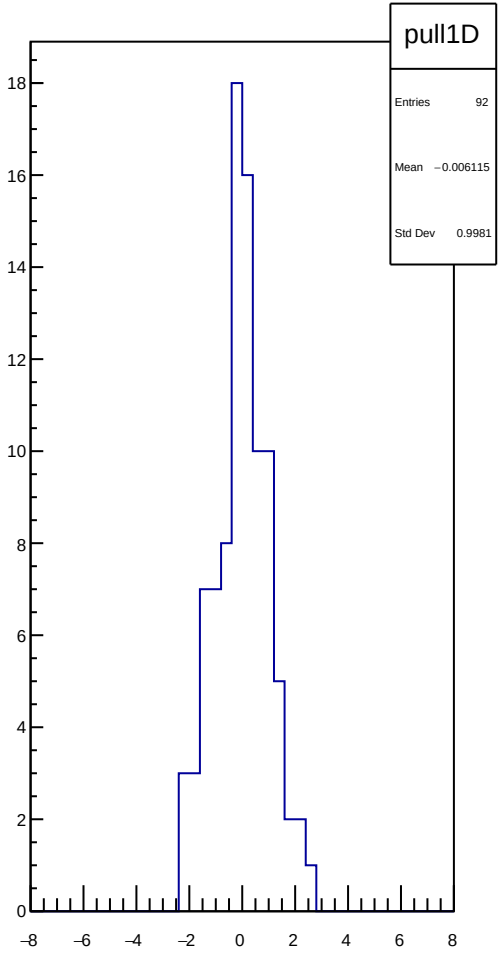

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.025e+04 / 91
p0 24.82 ± 0.01942
45
40
35
30
25
20
15

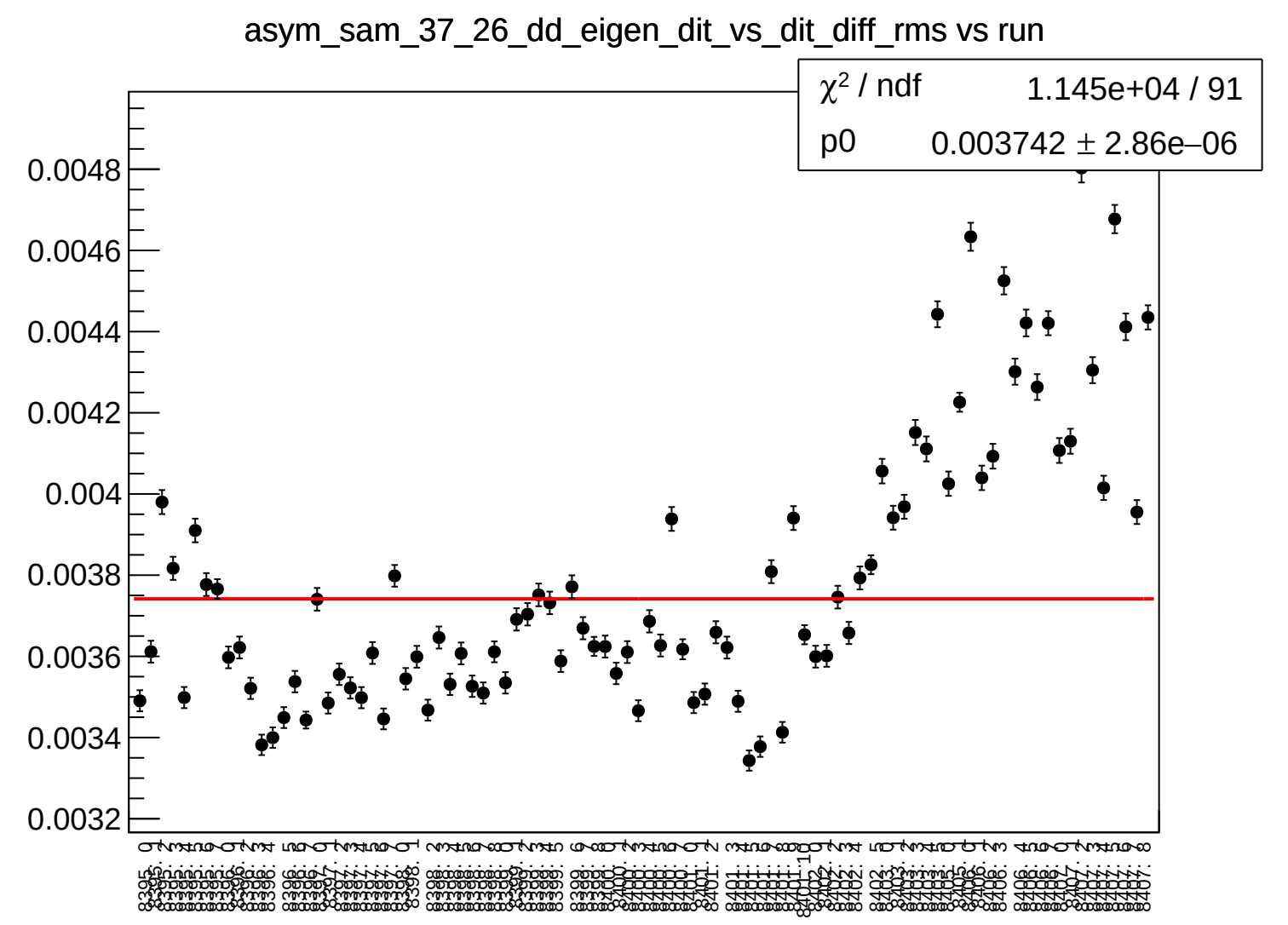

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.9 / 91
p0 −0.02499 ± 0.02747
pull
Entries 92
Mean 156.8
Std Dev 0

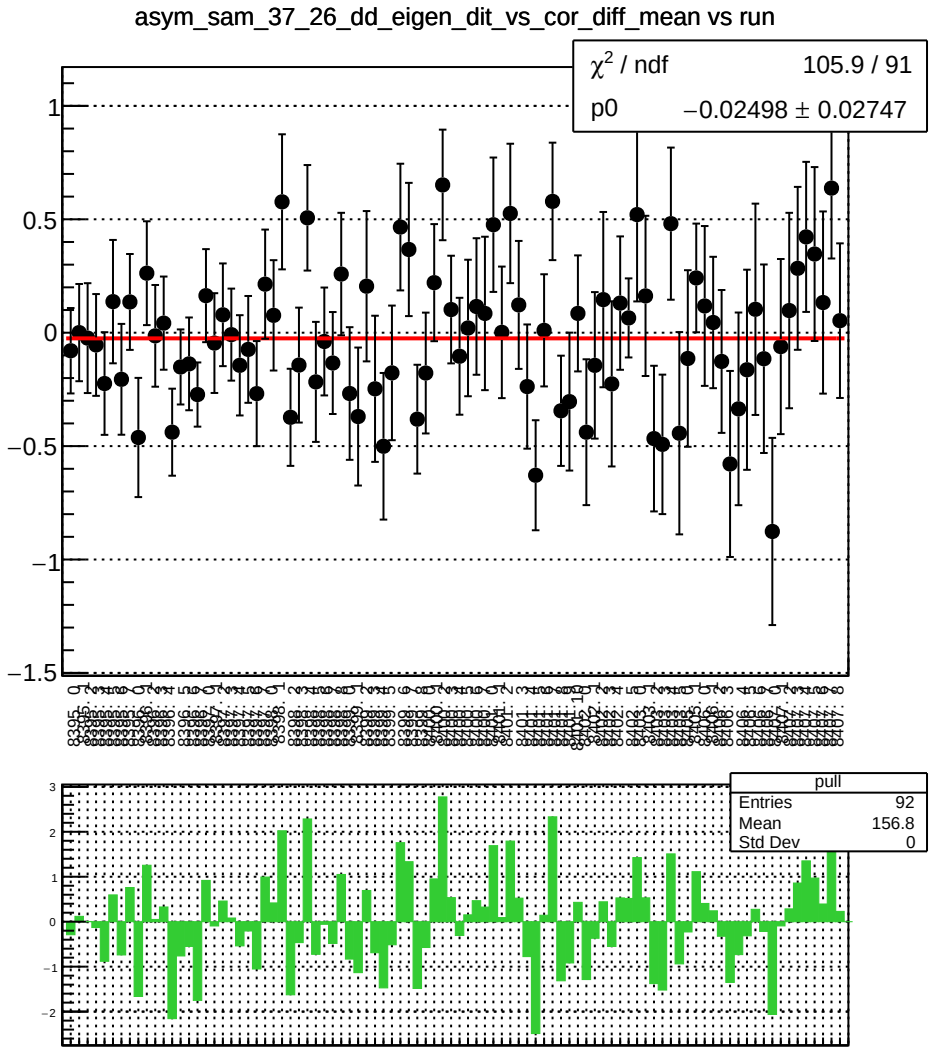

pull1D
Entries 92
Mean 0.02739
Std Dev 1.073

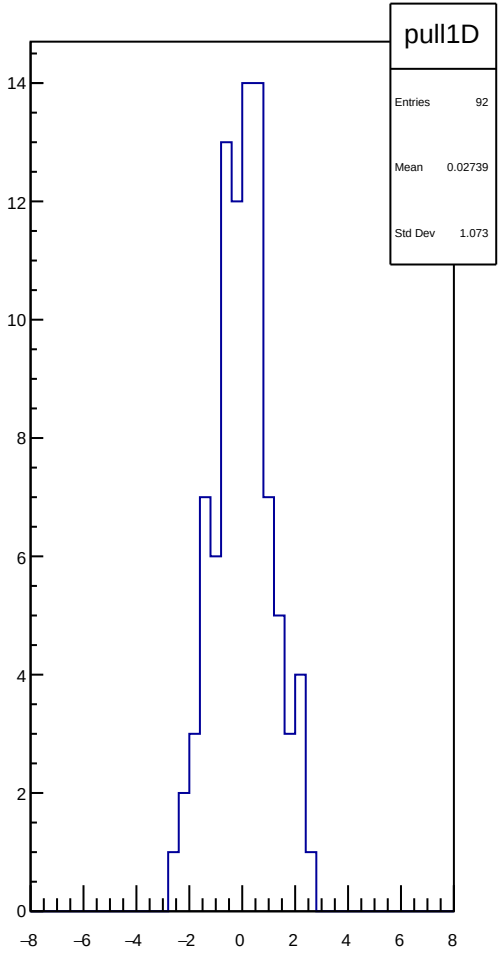

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.025e+04 / 91
p0 24.82 ± 0.01942
45
40
35
30
25
20
15

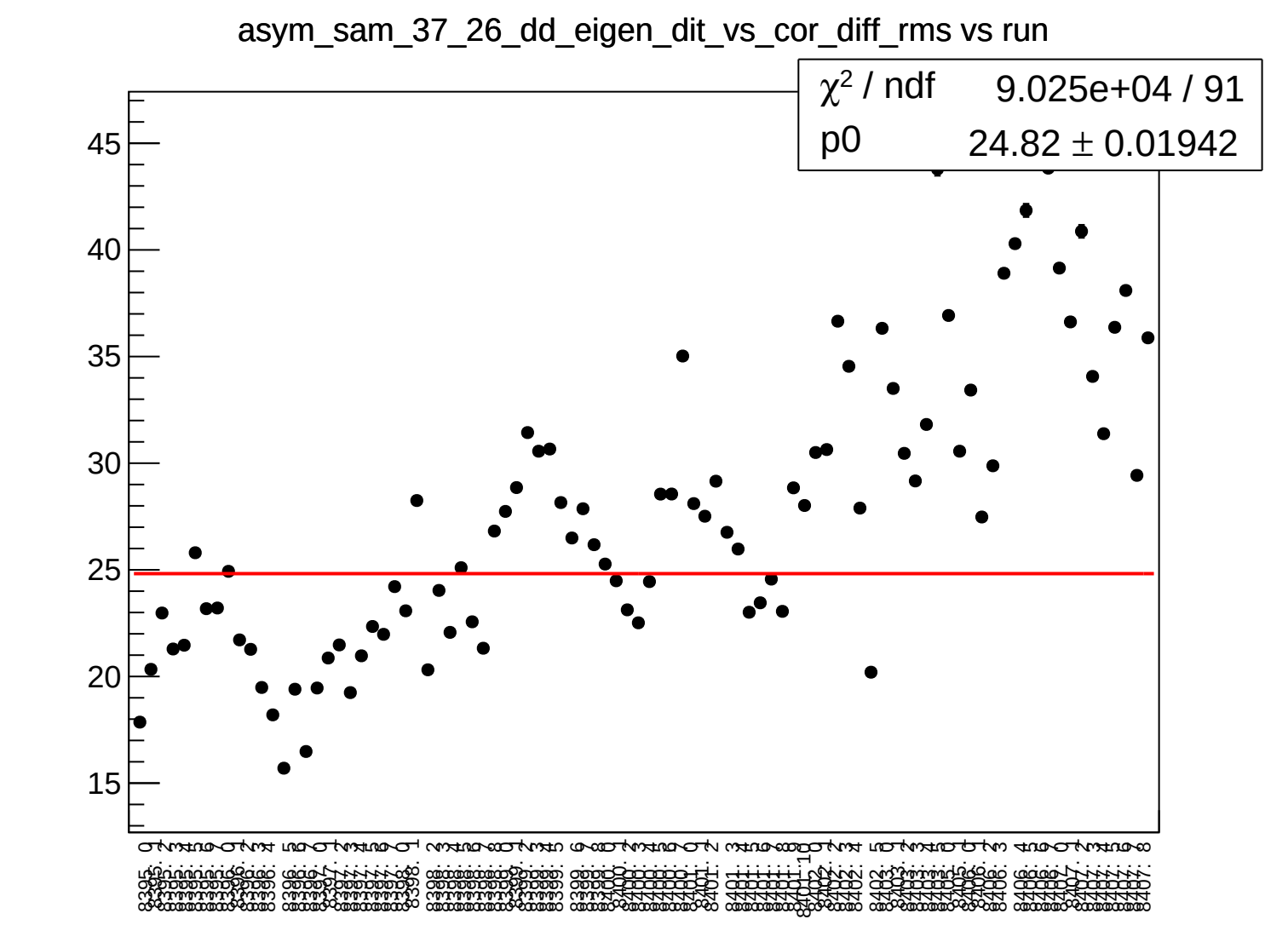

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.66 / 91
p0 −1.31e−06 ± 4.044e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 92
Mean 255.5
Std Dev 0
2
1
0
−1
−2

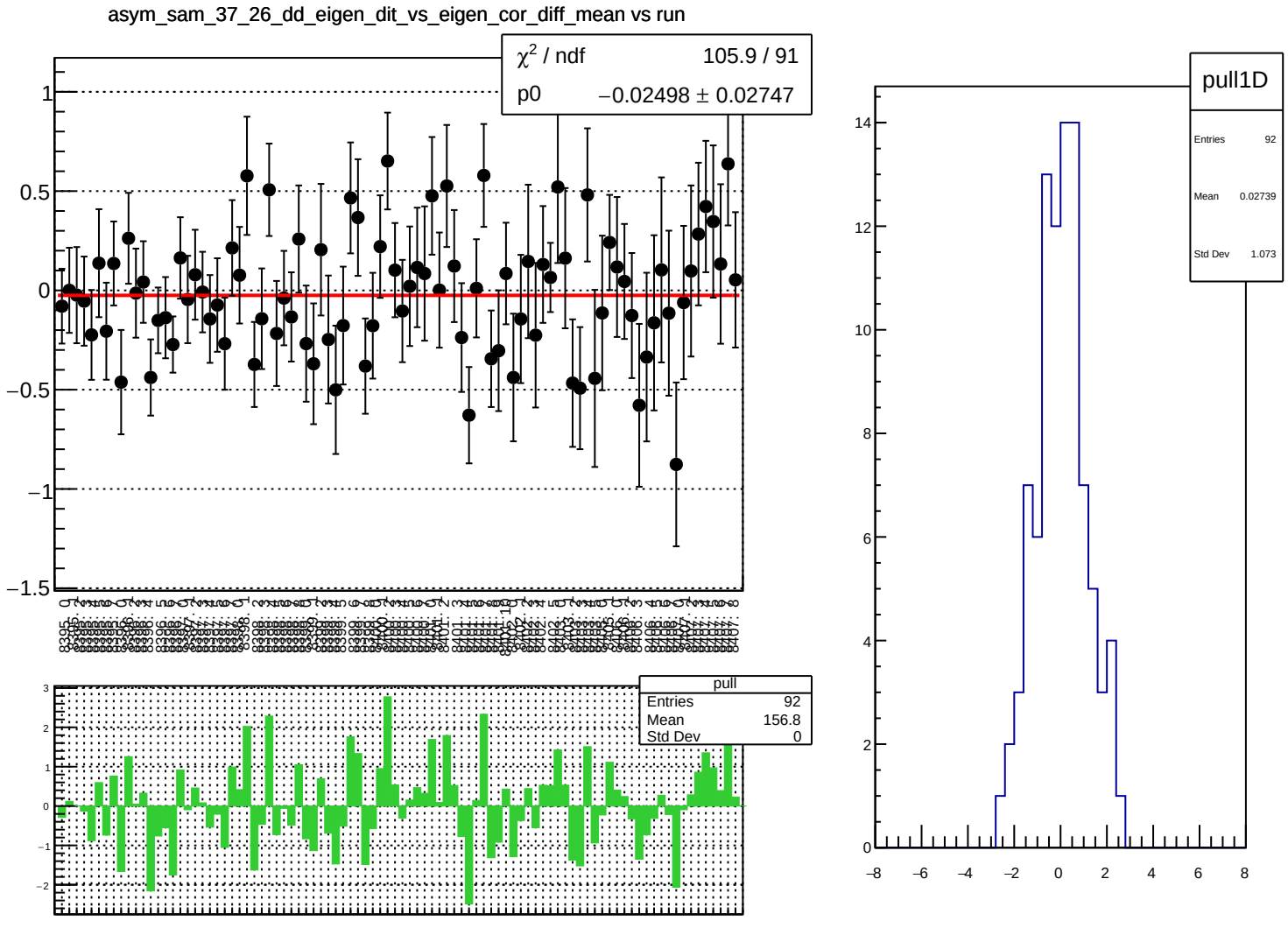

pull1D
Entries 92
Mean −0.006115
Std Dev 0.9981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

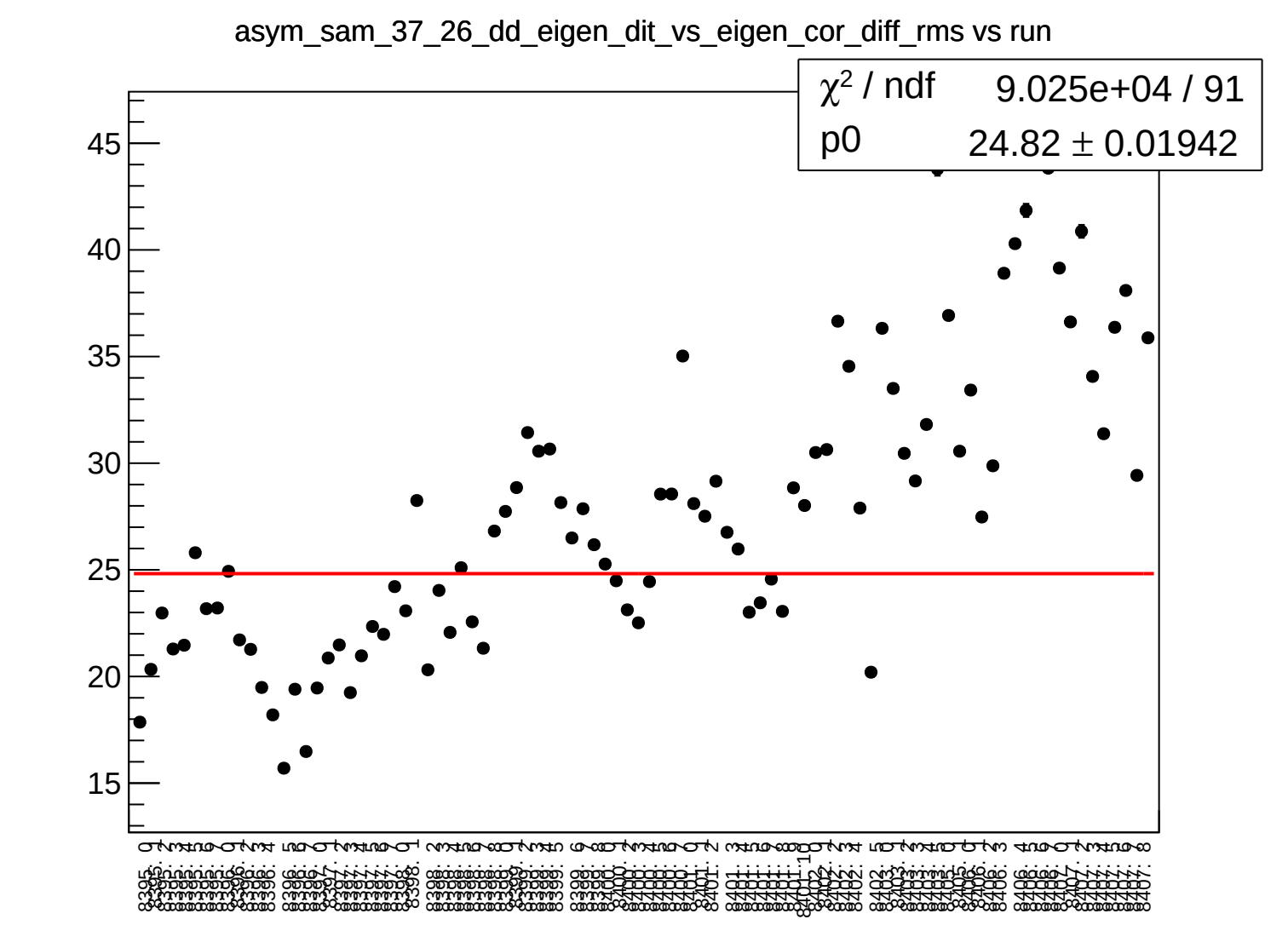

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.145e+04 / 91
p0 0.003742 ± 2.86e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

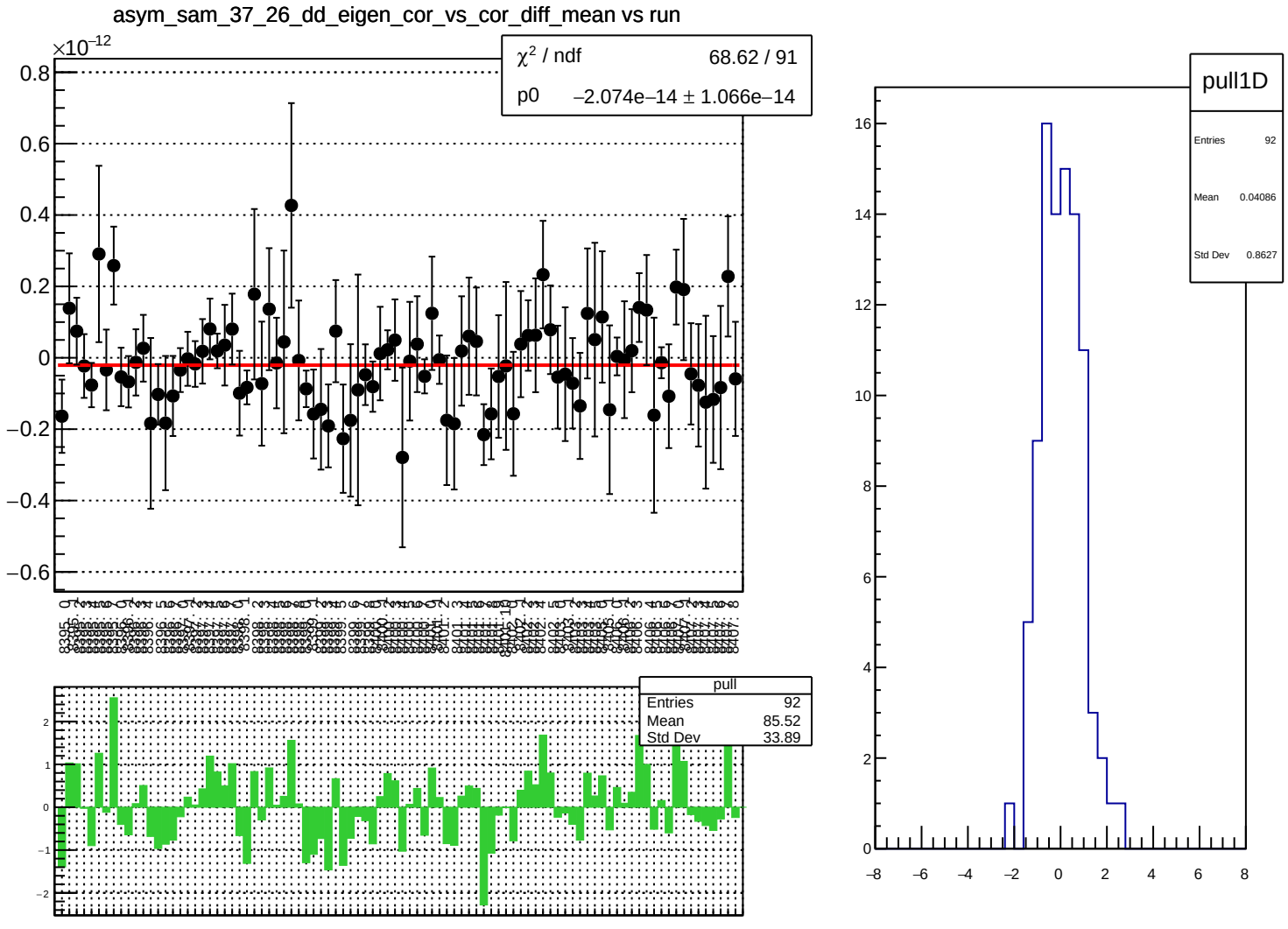

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 105.9 / 91
p0 −0.02498 ± 0.02747
pull
Entries 92
Mean 156.8
Std Dev 0

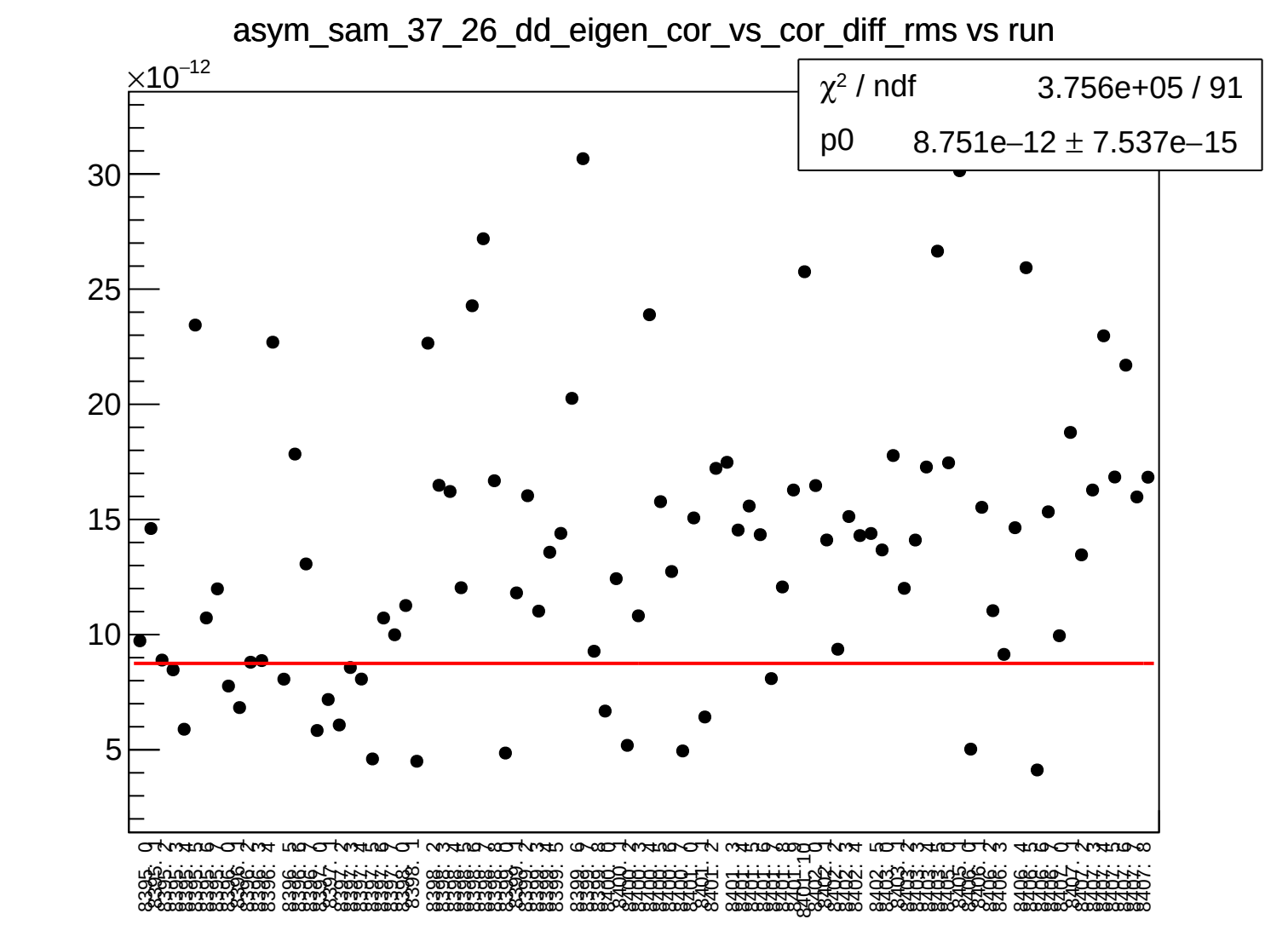

pull1D
Entries 92
Mean 0.02739
Std Dev 1.073

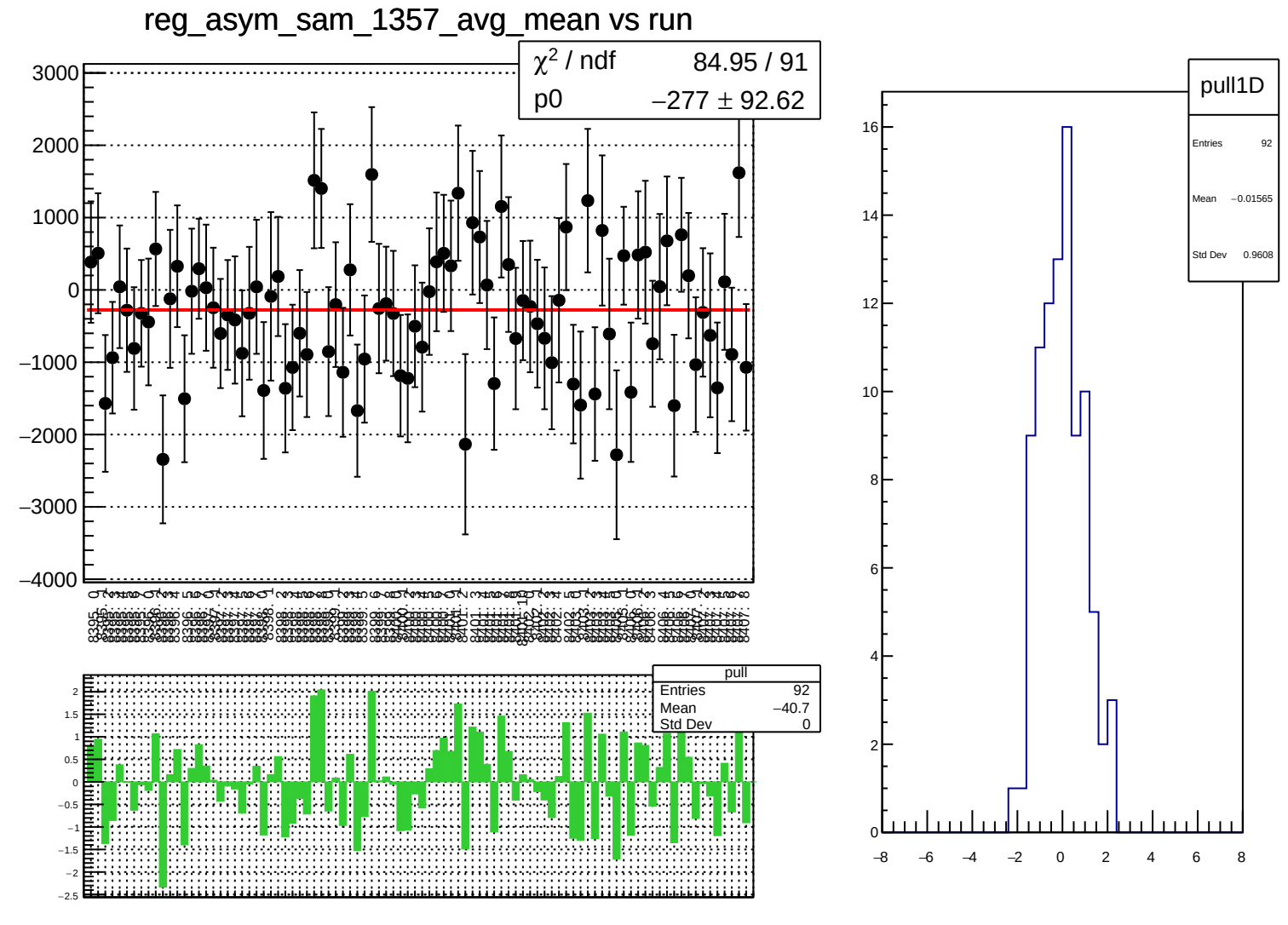

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
$\chi^2$ / ndf 9.025e+04 / 91
p0 24.82 ± 0.01942
45
40
35
30
25
20
15

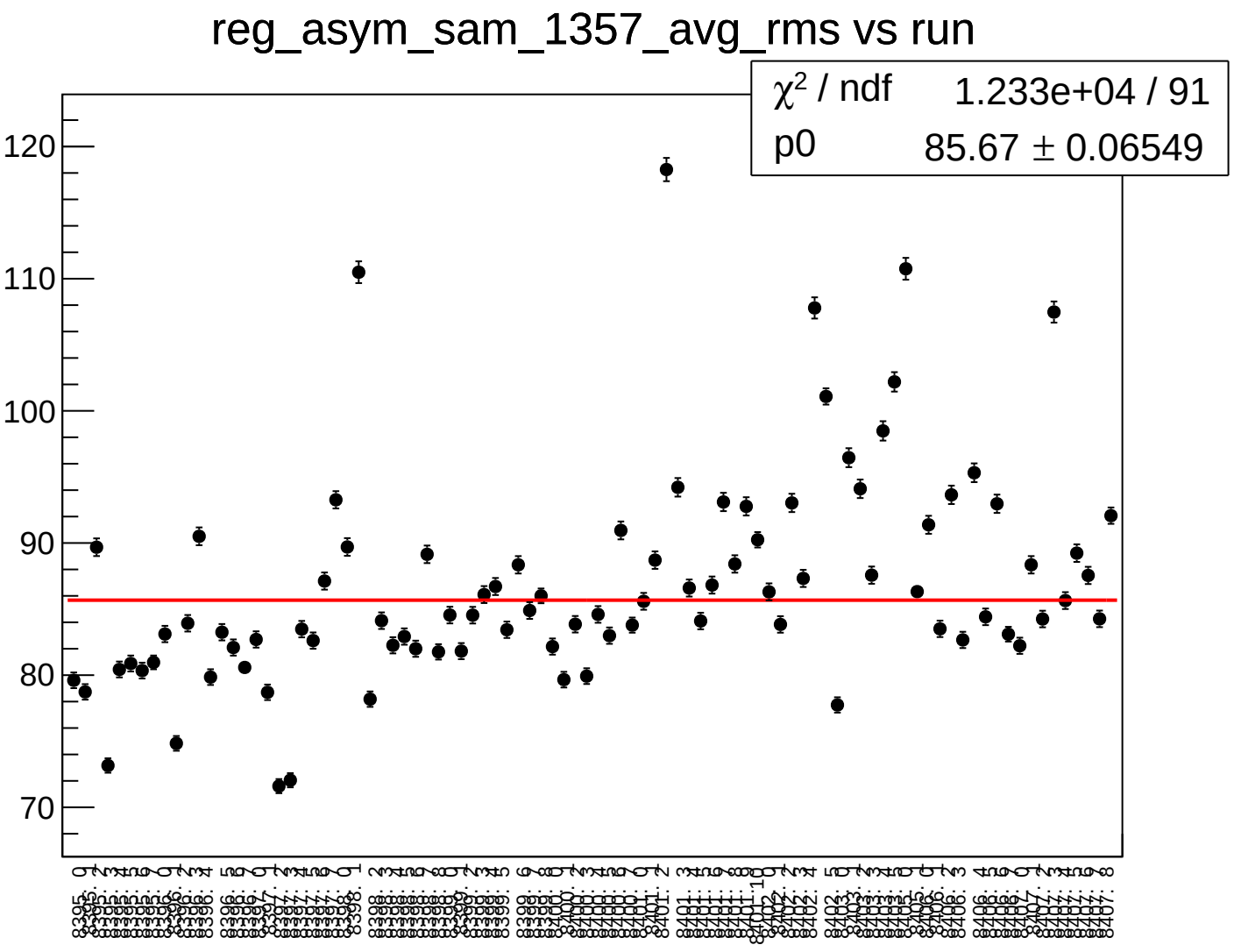

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.9 / 91
p0 −0.02498 ± 0.02747
pull
Entries 92
Mean 156.8
Std Dev 0
pull1D
Entries 92
Mean 0.02739
Std Dev 1.073

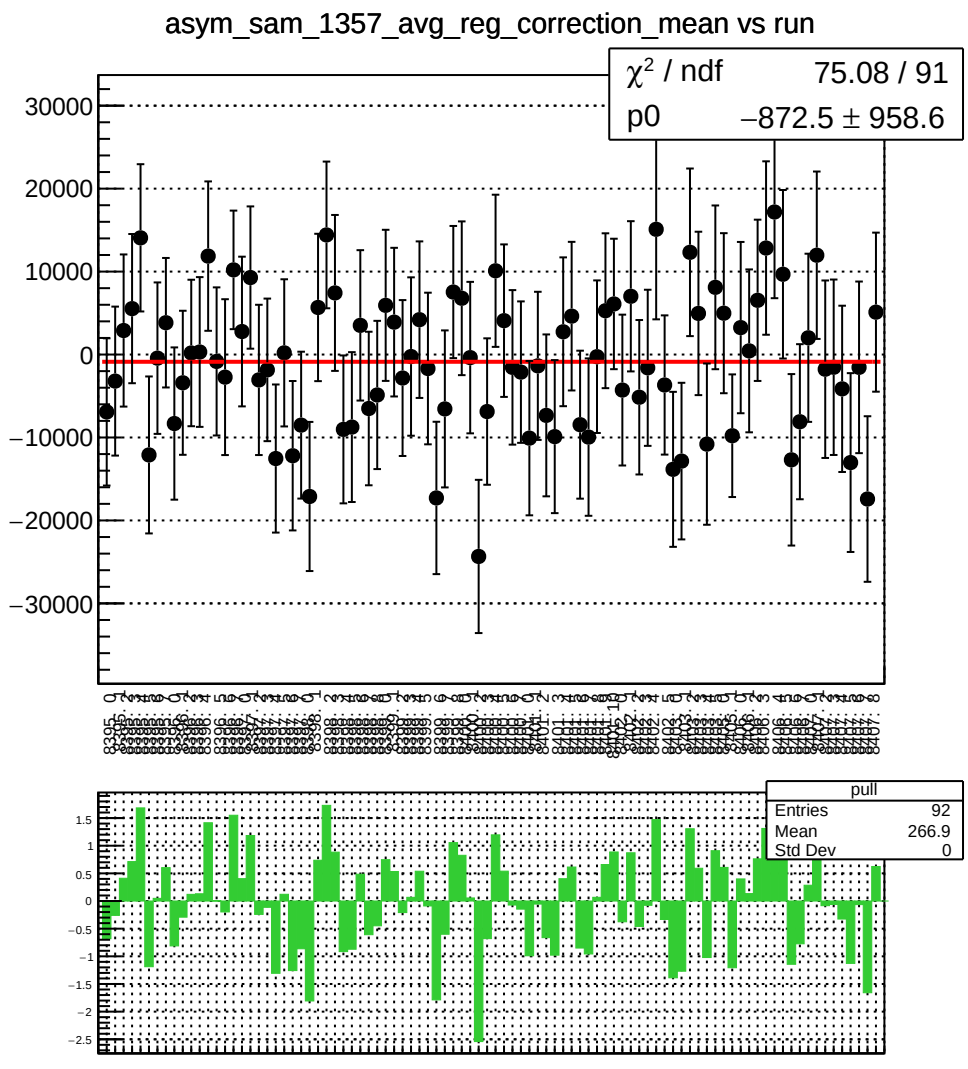

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.025e+04 / 91
p0 24.82 ± 0.01942
45
40
35
30
25
20
15

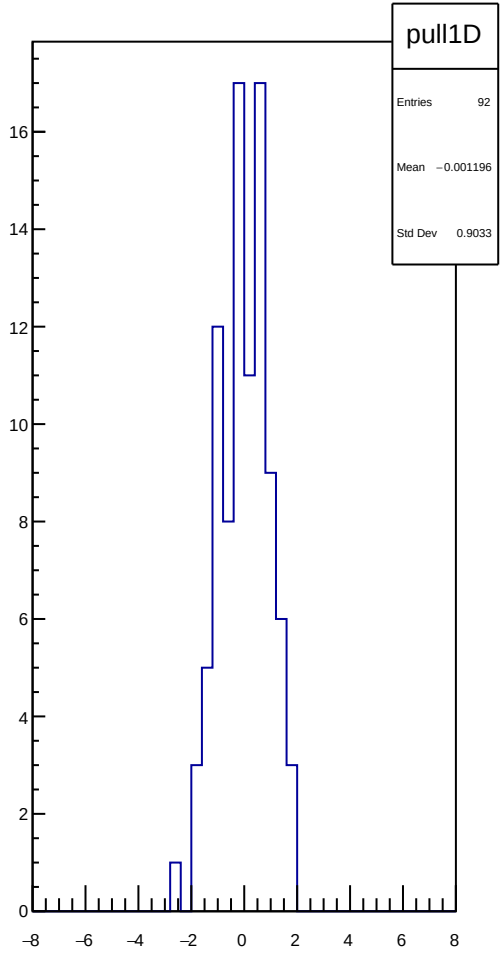

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.62 / 91
p0 −2.074e−14 ± 1.066e−14
pull
Entries 92
Mean 85.52
Std Dev 33.89
pull1D
Entries 92
Mean 0.04086
Std Dev 0.8627

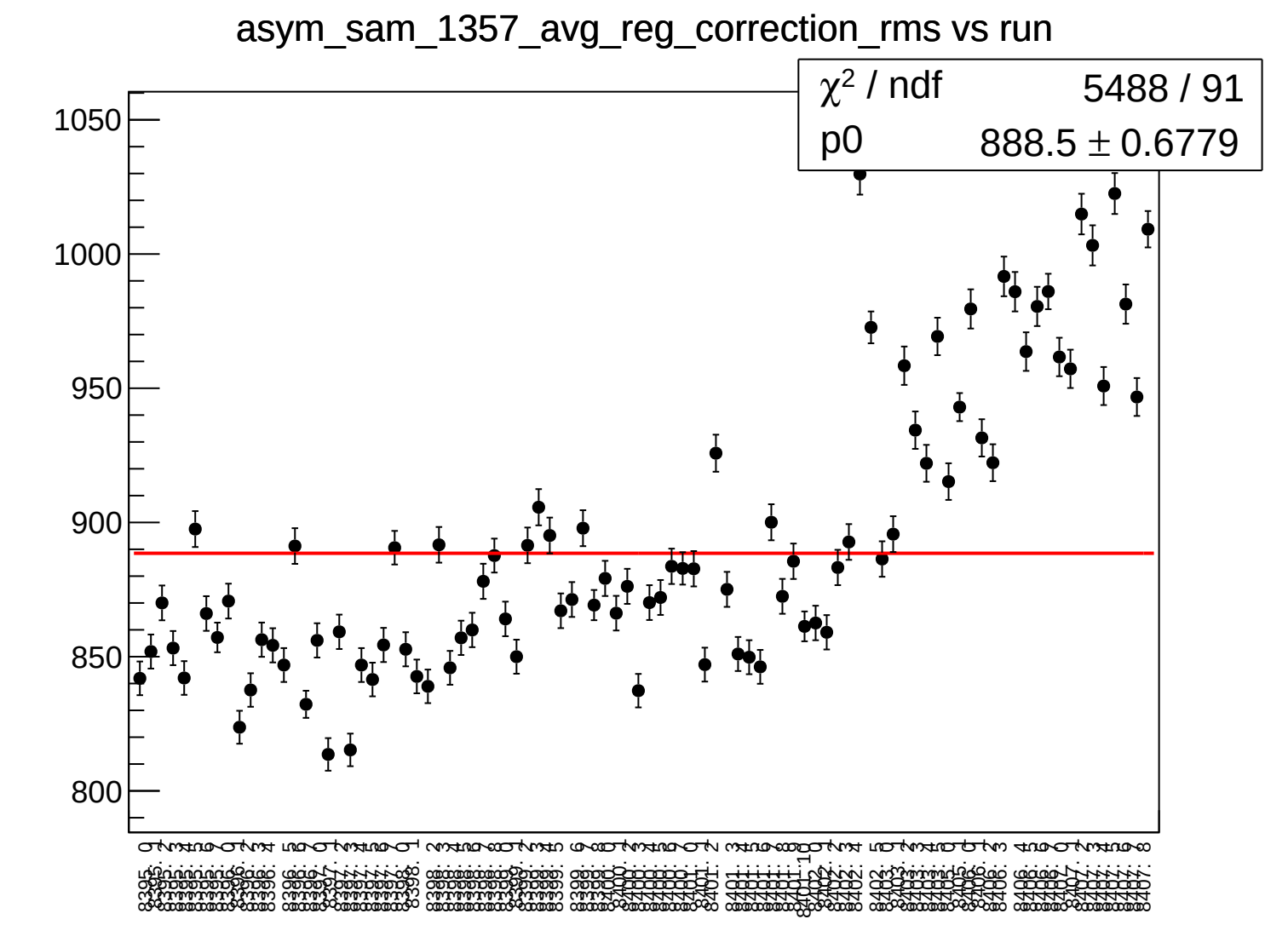

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.756e+05 / 91
p0 8.751e−12 ± 7.537e−15
30
25
20
15
10
5

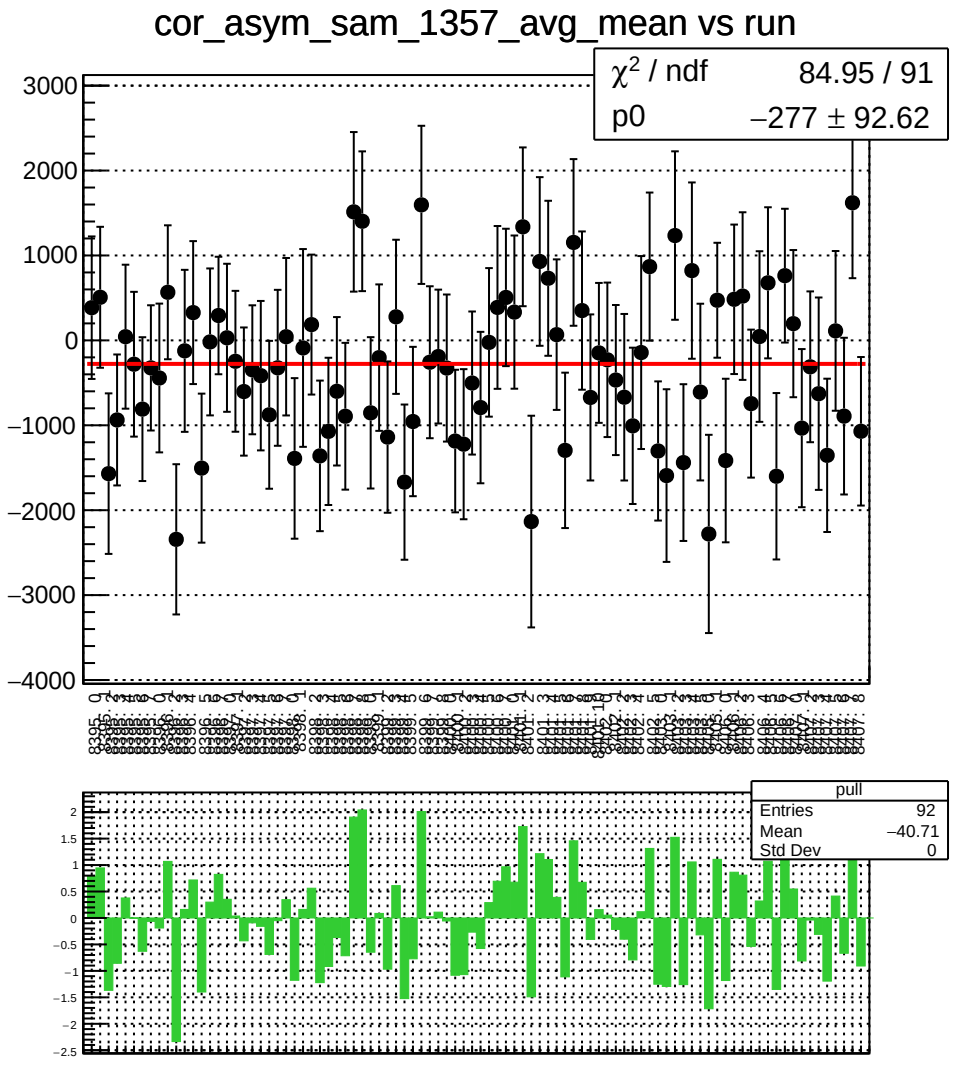

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 84.95 / 91
p0 −277 ± 92.62
pull
Entries 92
Mean −40.7
Std Dev 0
pull1D
Entries 92
Mean −0.01565
Std Dev 0.9608

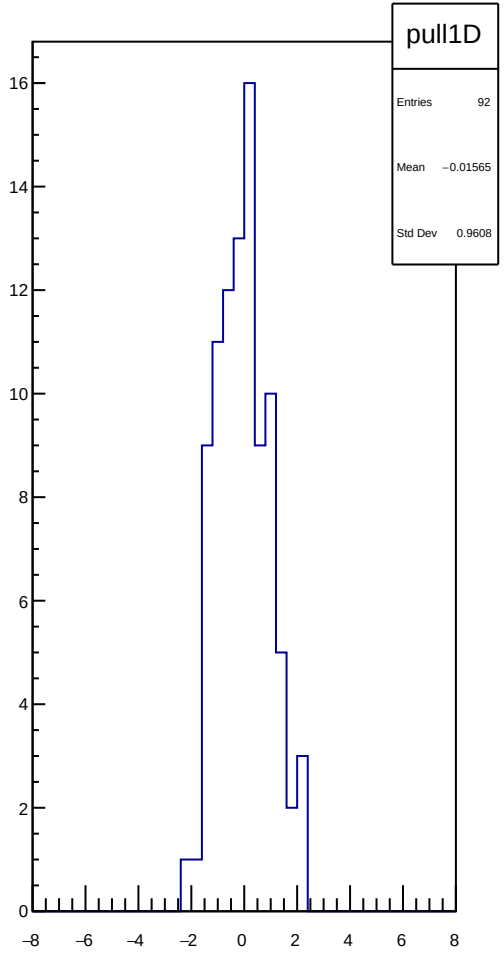

reg_asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 1.233e+04 / 91
p0 85.67 ± 0.06549
120
110
100
90
80
70

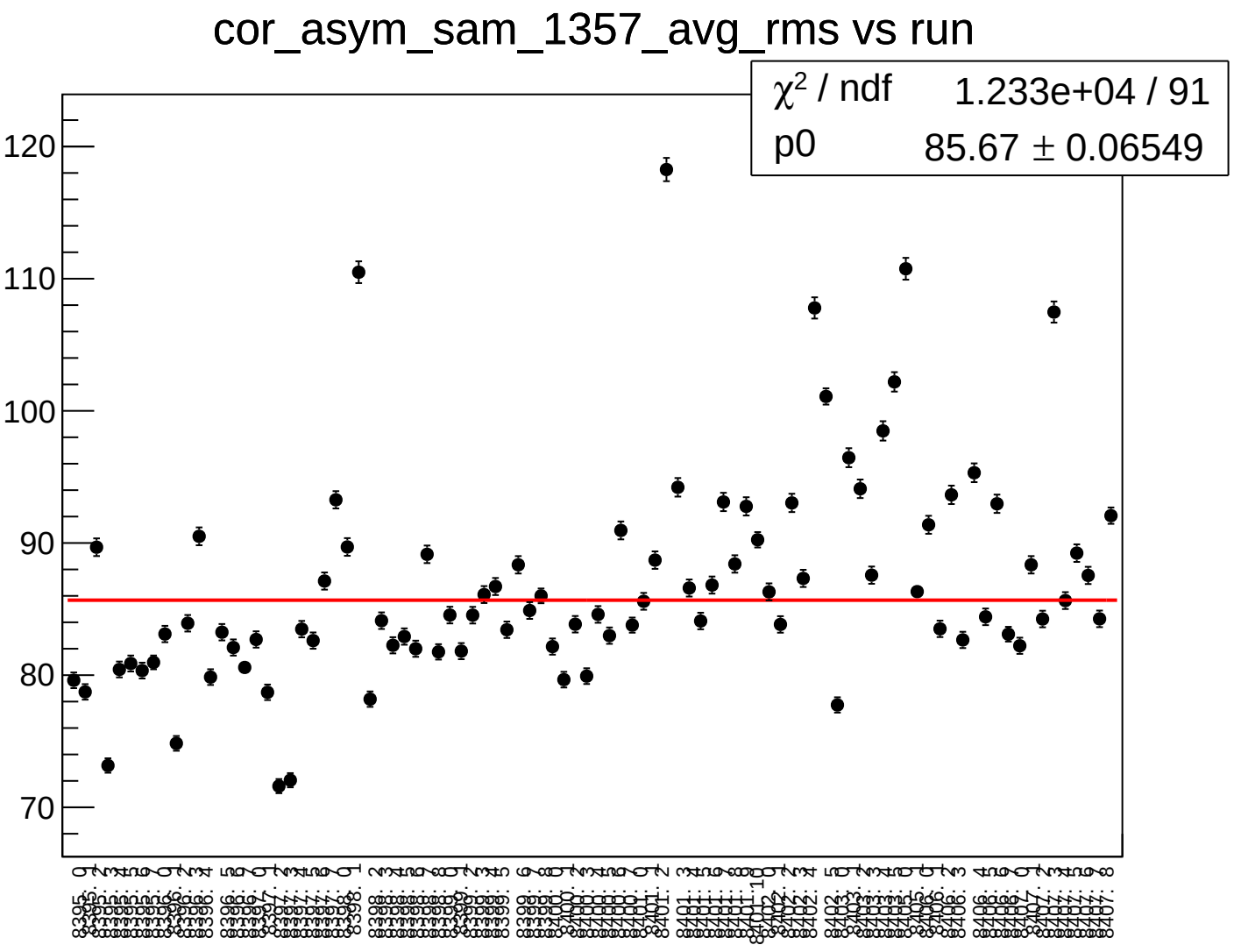

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 75.08 / 91
p0 −872.5 ± 958.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 266.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

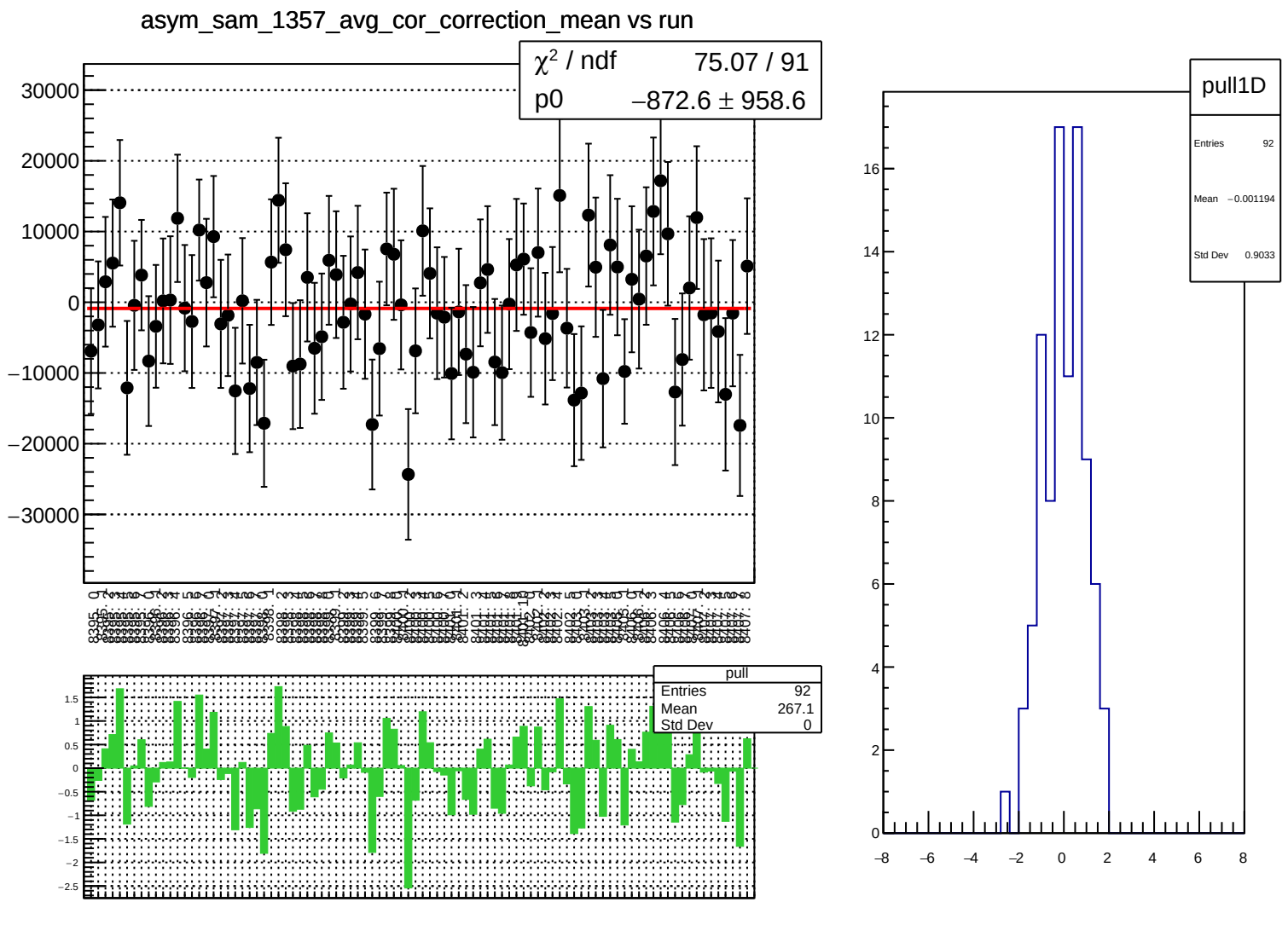

pull1D
Entries 92
Mean −0.001196
Std Dev 0.9033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

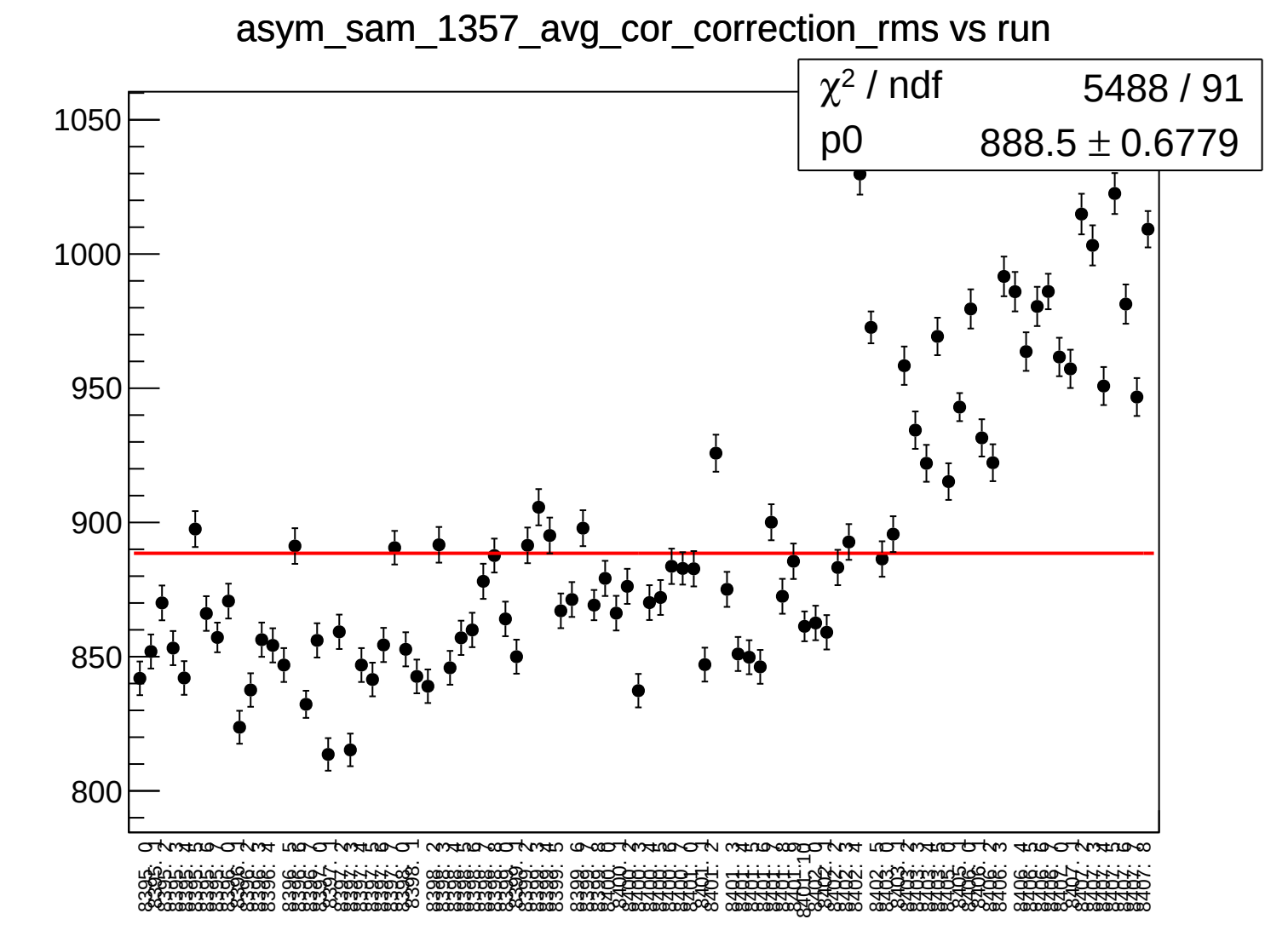

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 5488 / 91
p0 888.5 ± 0.6779
1050
1000
950
900
850
800

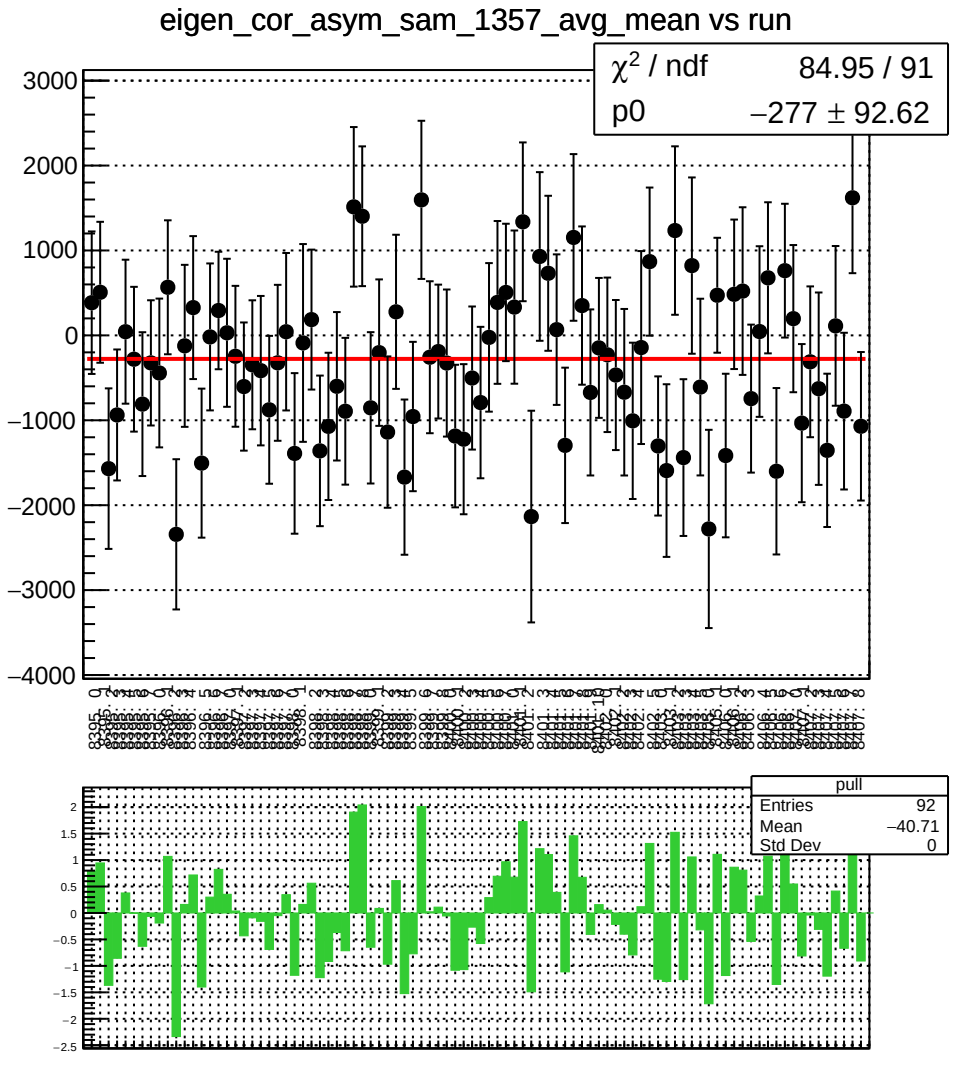

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 84.95 / 91
p0 −277 ± 92.62
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean −40.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

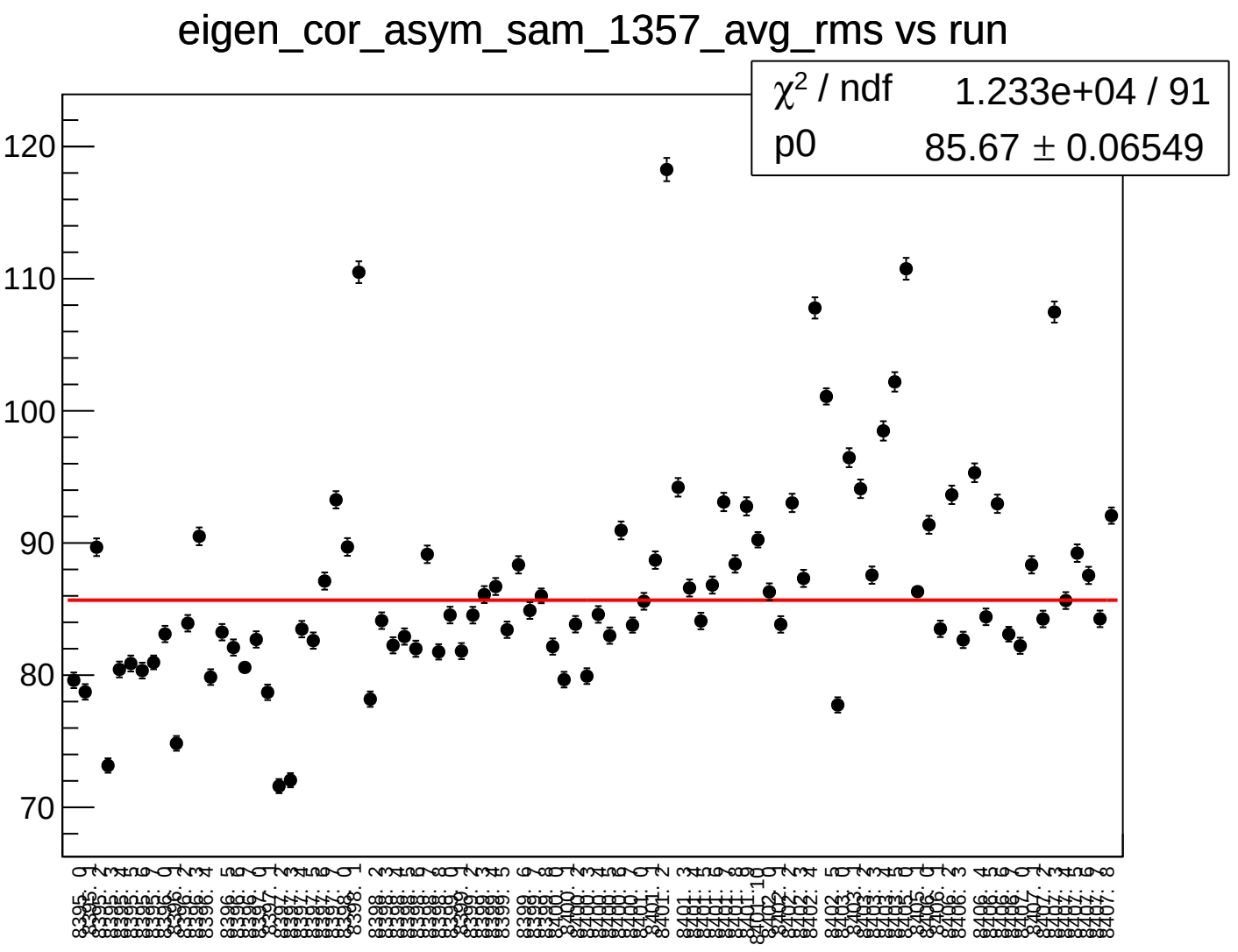

pull1D
Entries 92
Mean −0.01565
Std Dev 0.9608
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

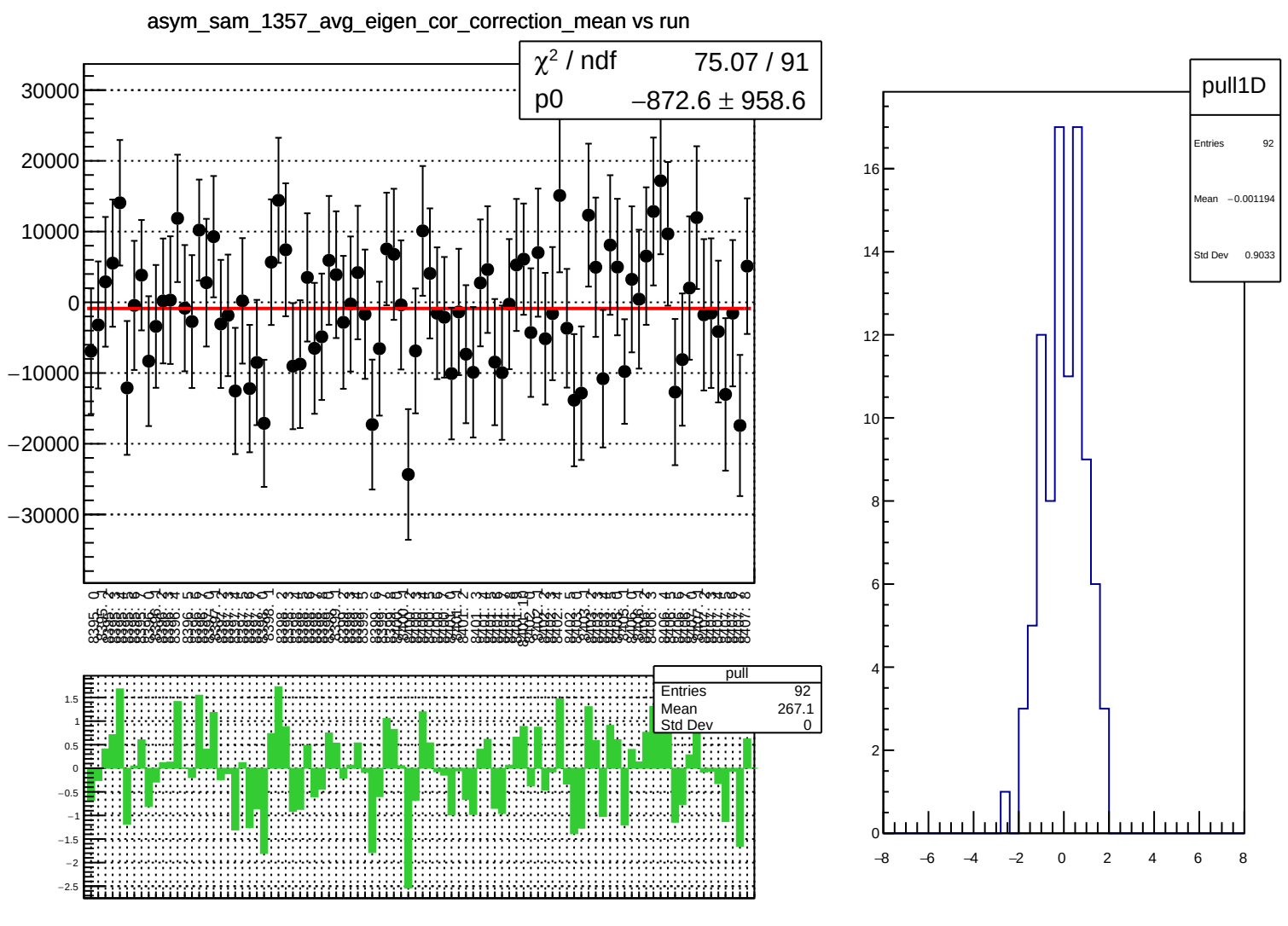

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.233e+04 / 91
p0 85.67 ± 0.06549
120
110
100
90
80
70

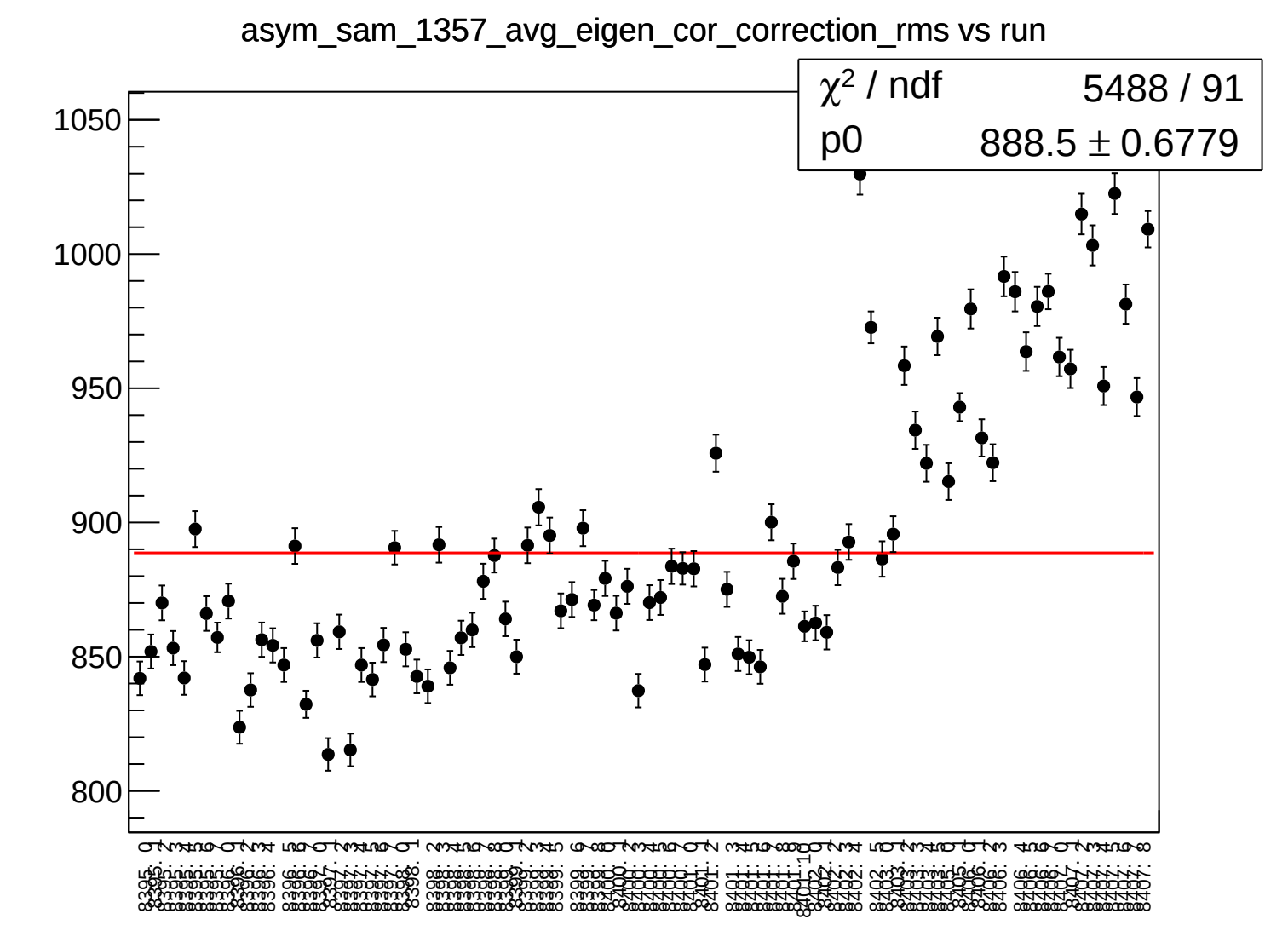

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 75.07 / 91
p0 −872.6 ± 958.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 267.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001194
Std Dev 0.9033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

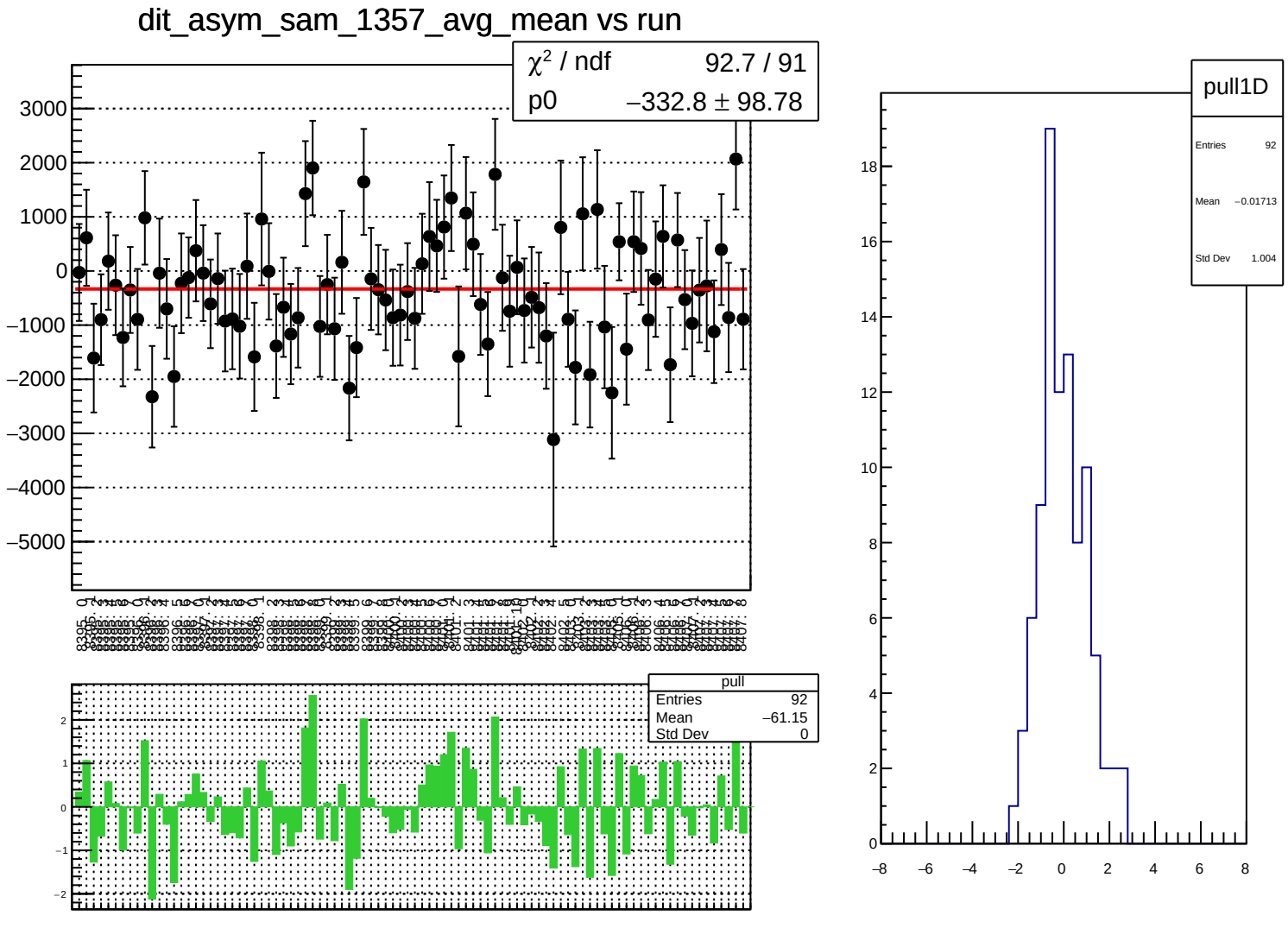

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 5488 / 91
p0 888.5 ± 0.6779
1050
1000
950
900
850
800

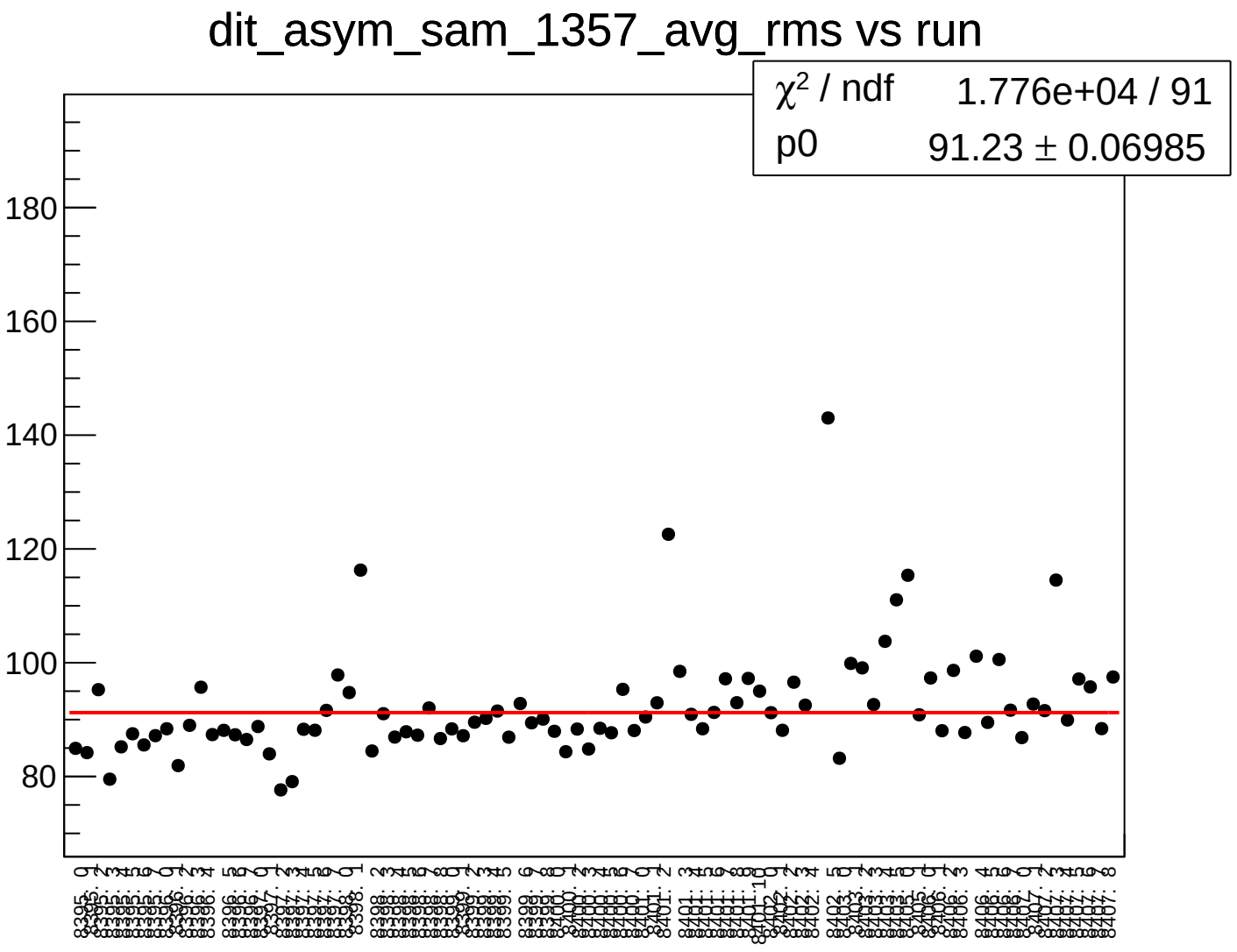

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 84.95 / 91
p0 −277 ± 92.62
pull
Entries 92
Mean −40.71
Std Dev 0
pull1D
Entries 92
Mean −0.01565
Std Dev 0.9608

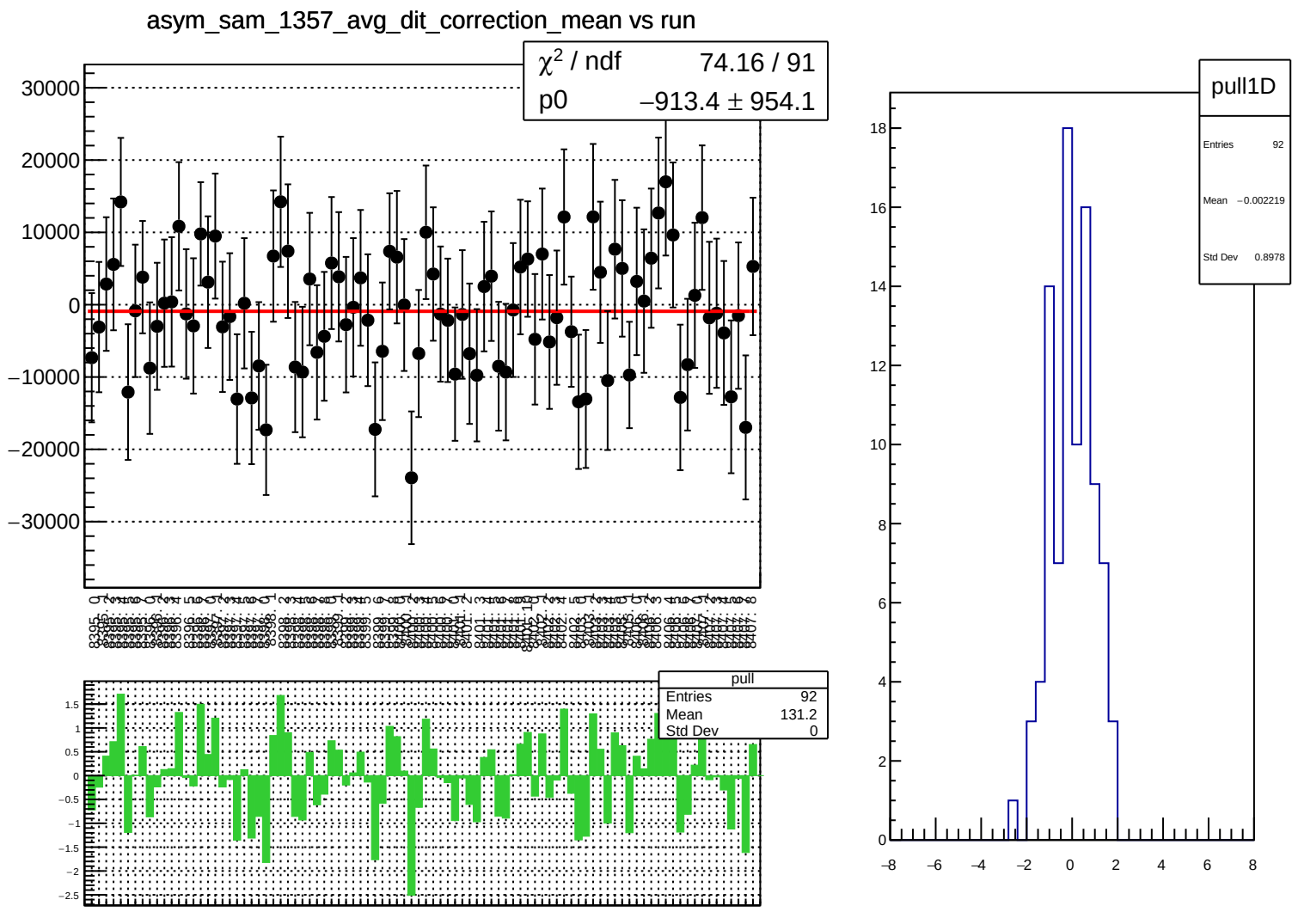

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.233e+04 / 91
p0 85.67 ± 0.06549
120
110
100
90
80
70

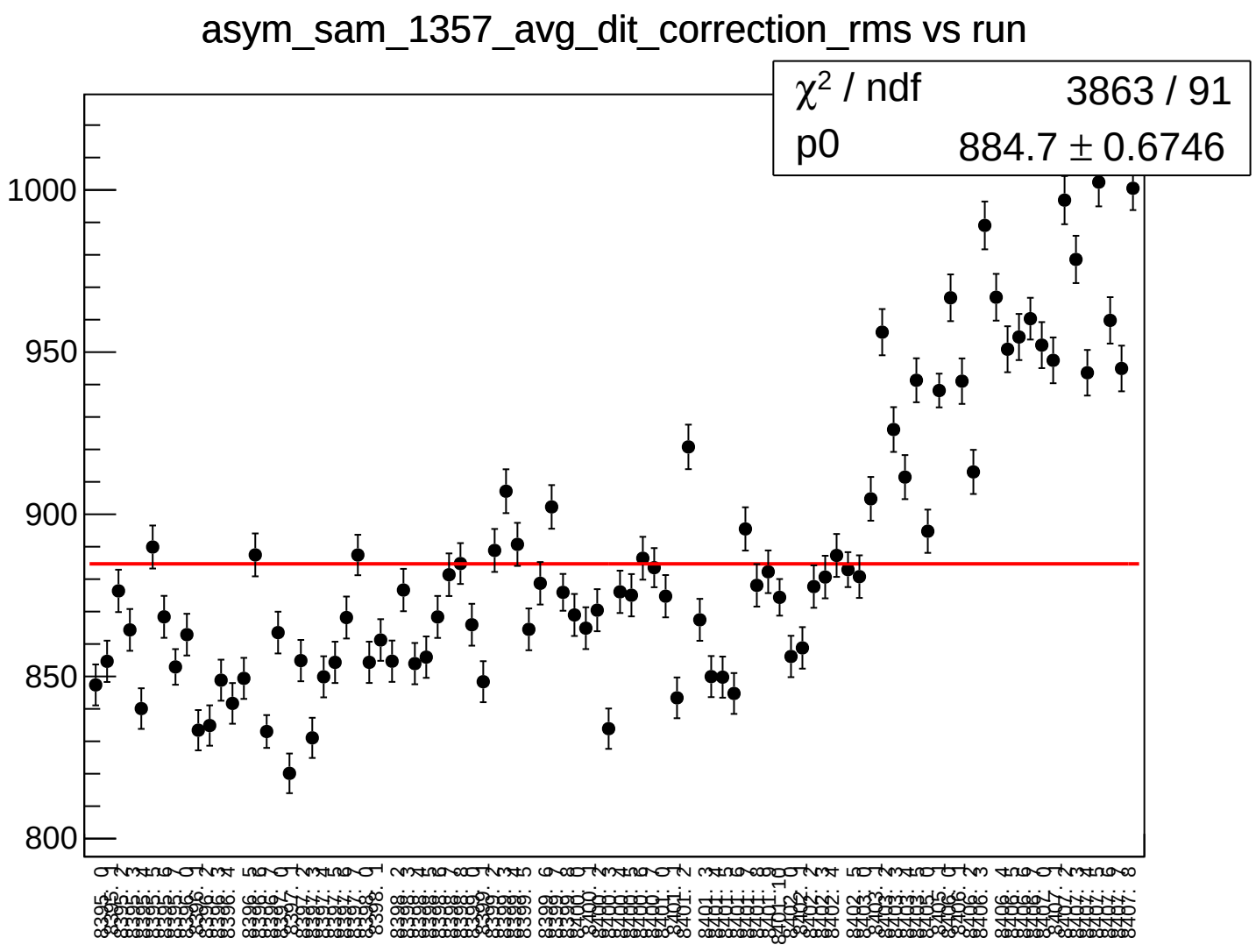

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.07 / 91
p0 −872.6 ± 958.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 267.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001194
Std Dev 0.9033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

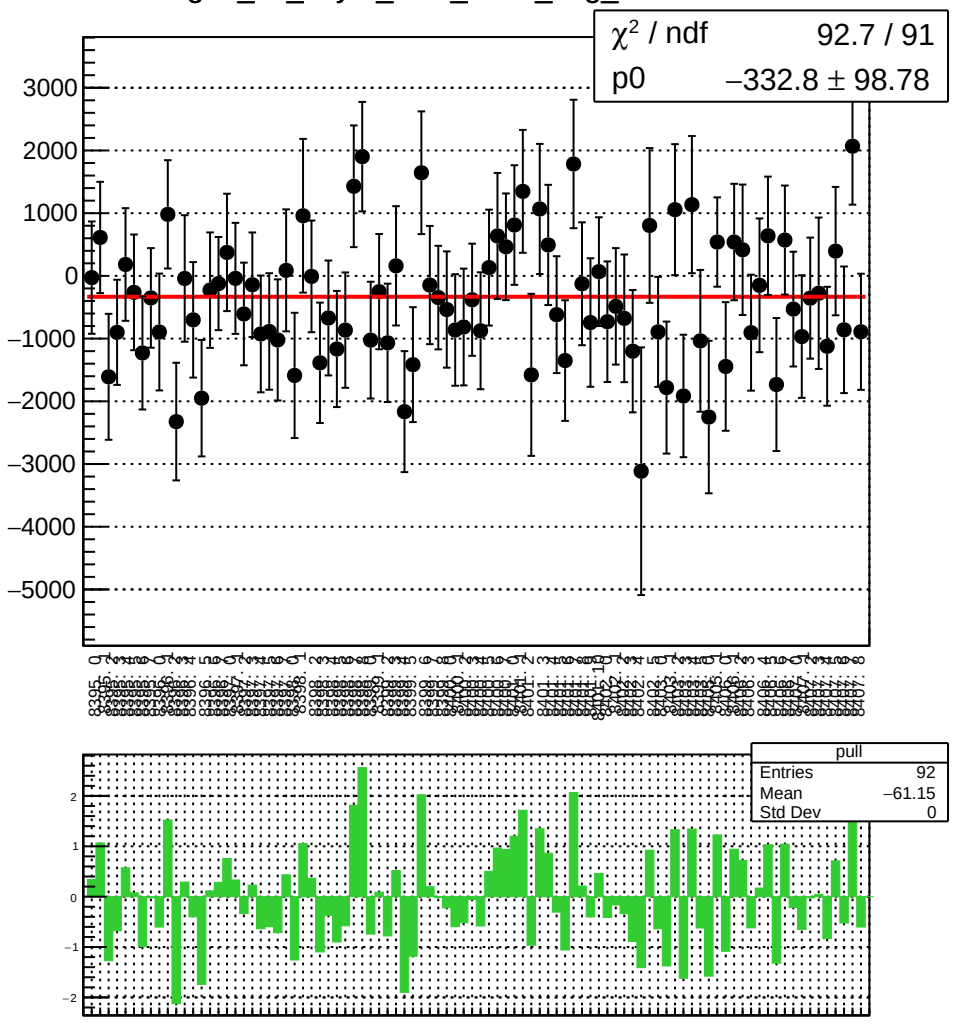

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 5488 / 91
p0 888.5 ± 0.6779
1050
1000
950
900
850
800

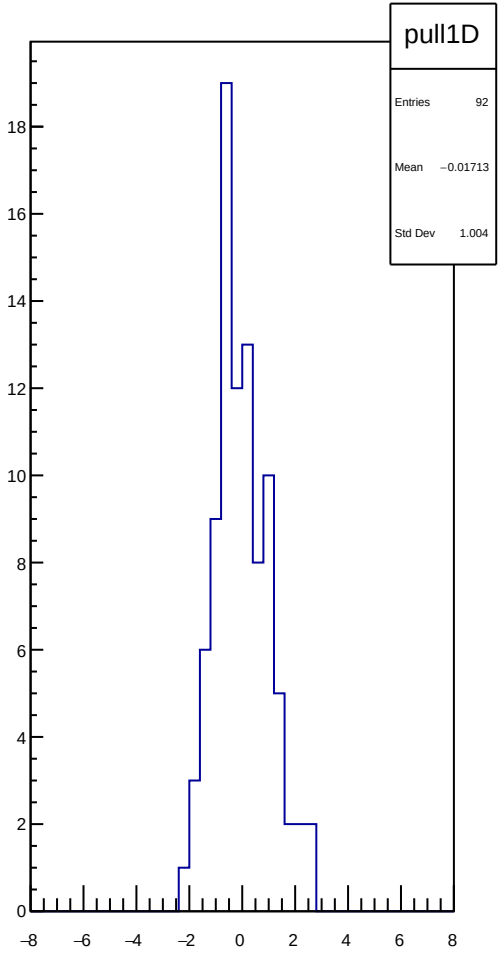

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 92.7 / 91
p0 −332.8 ± 98.78
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 92
Mean −61.15
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.01713
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

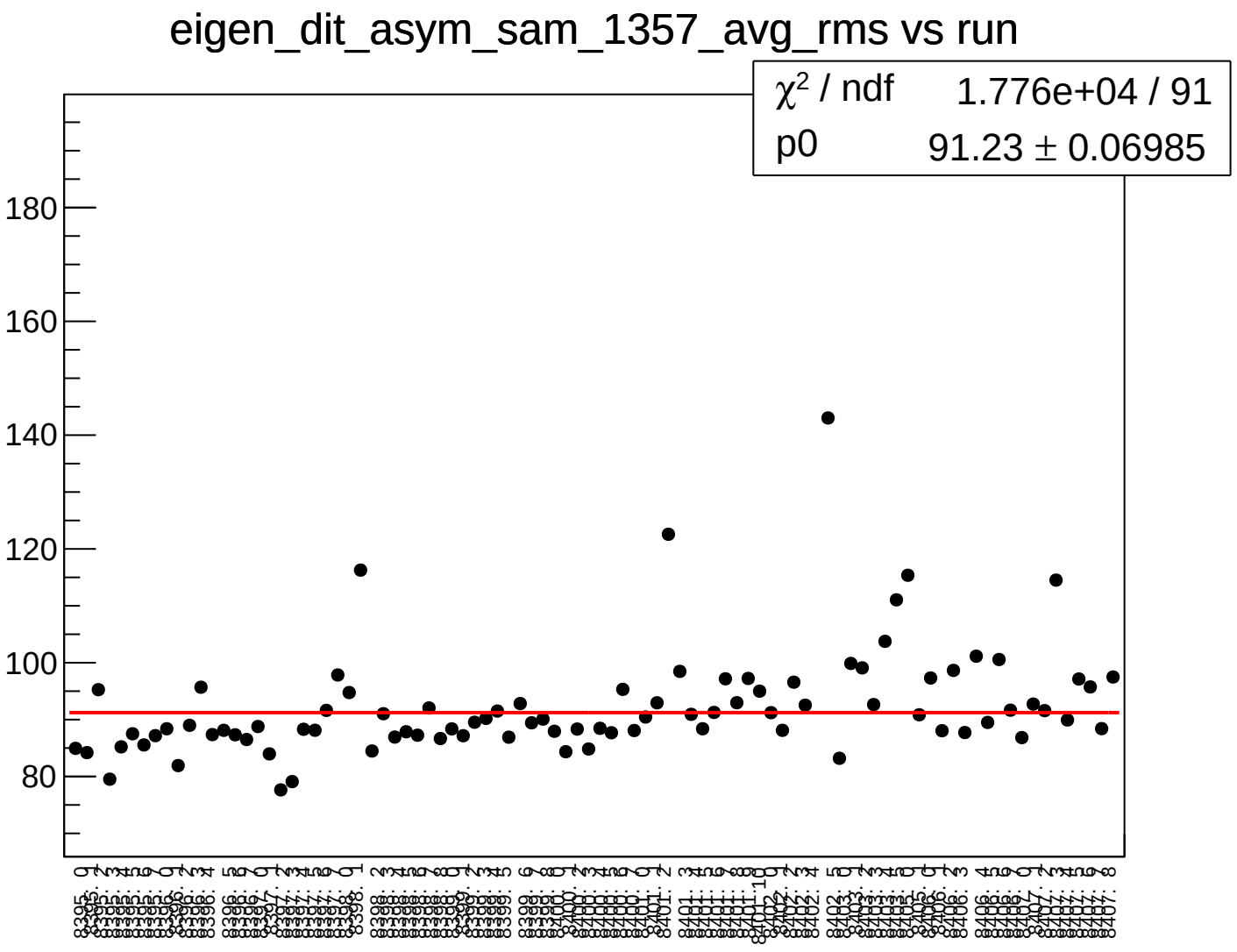

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.776e+04 / 91
p0 91.23 ± 0.06985
180
160
140
120
100
80

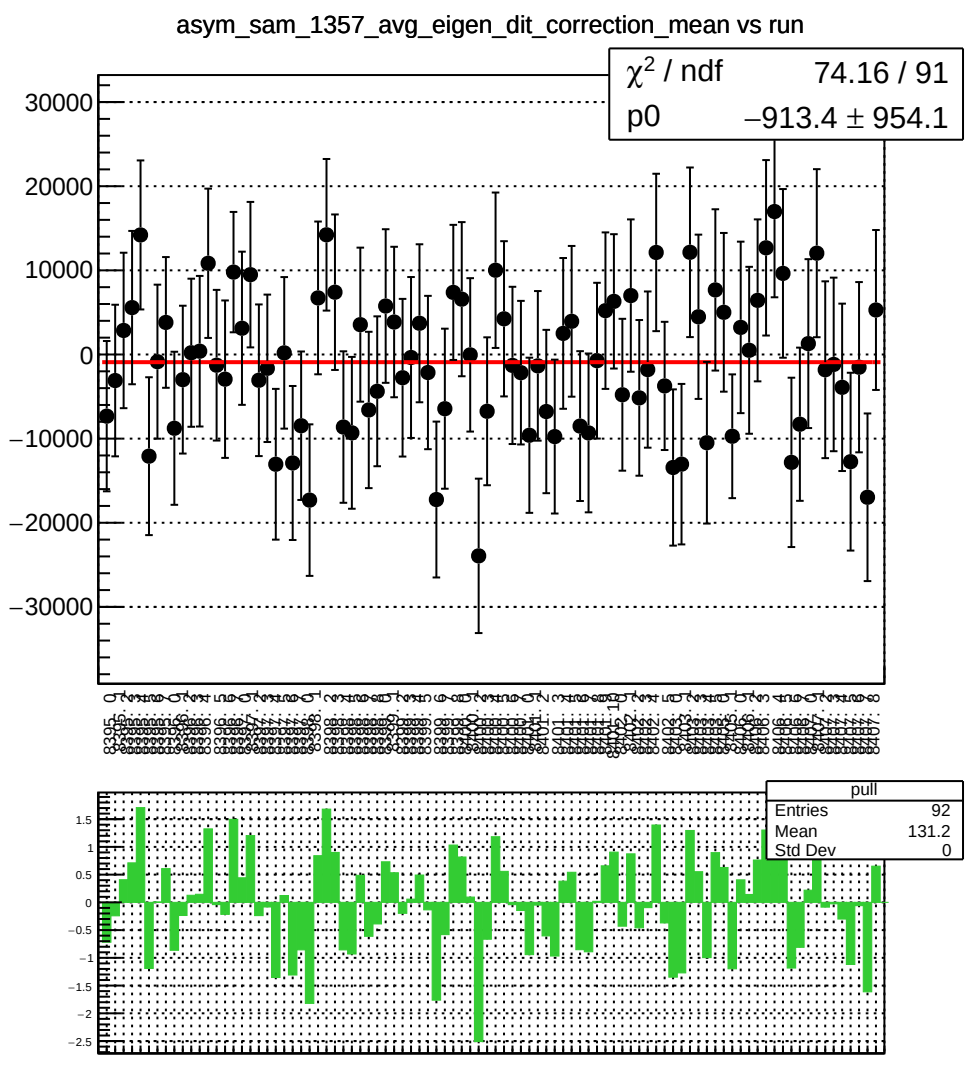

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 74.16 / 91
p0 −913.4 ± 954.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 131.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.002219
Std Dev 0.8978
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

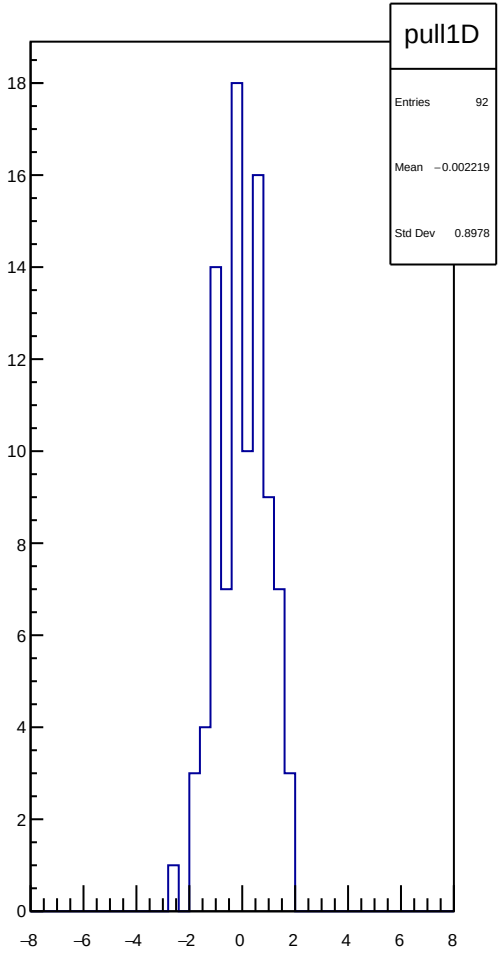

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 3863 / 91
p0 884.7 ± 0.6746
1000
950
900
850
800

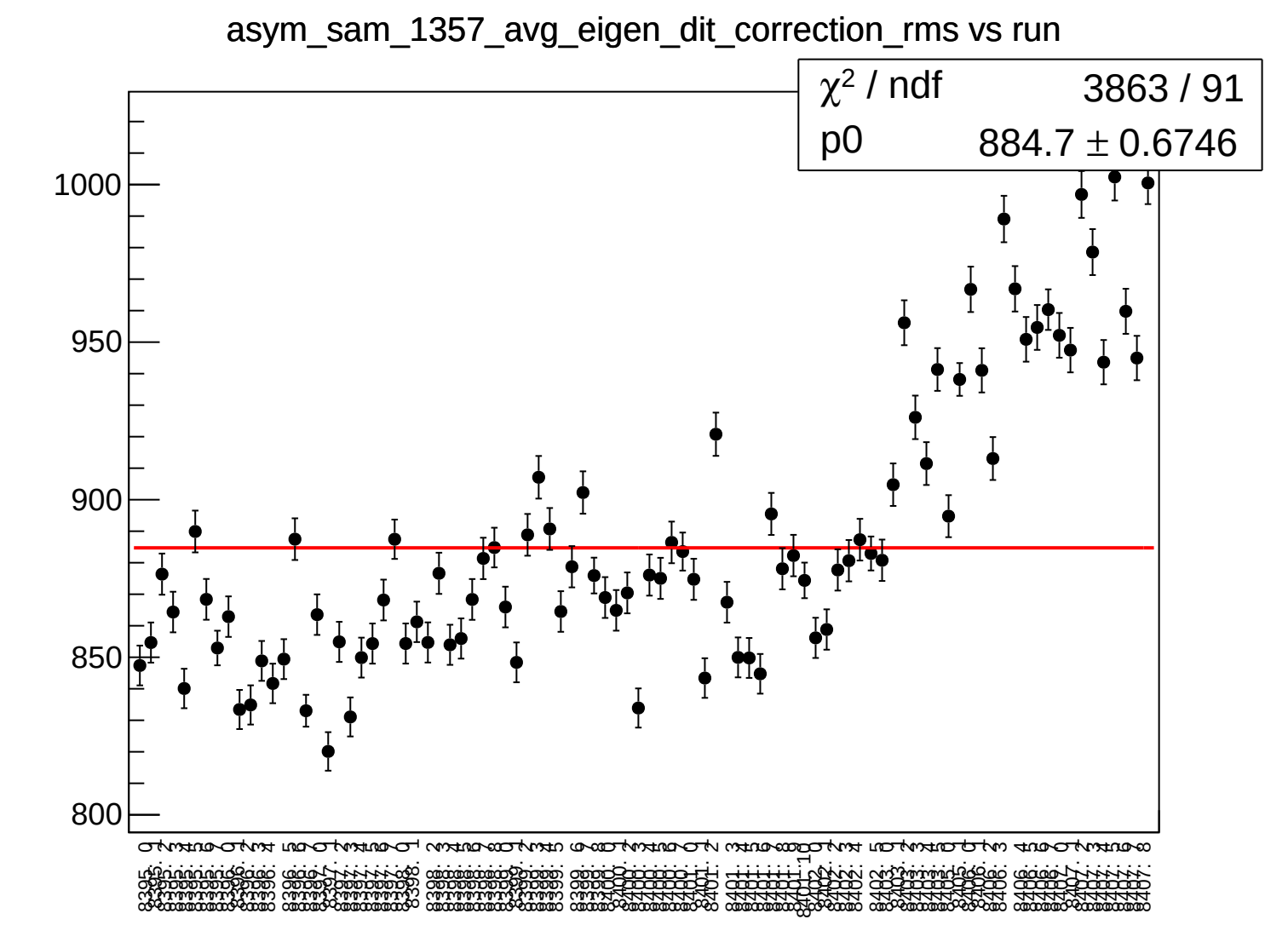

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 92.7 / 91
p0 −332.8 ± 98.78
pull
Entries 92
Mean −61.15
Std Dev 0

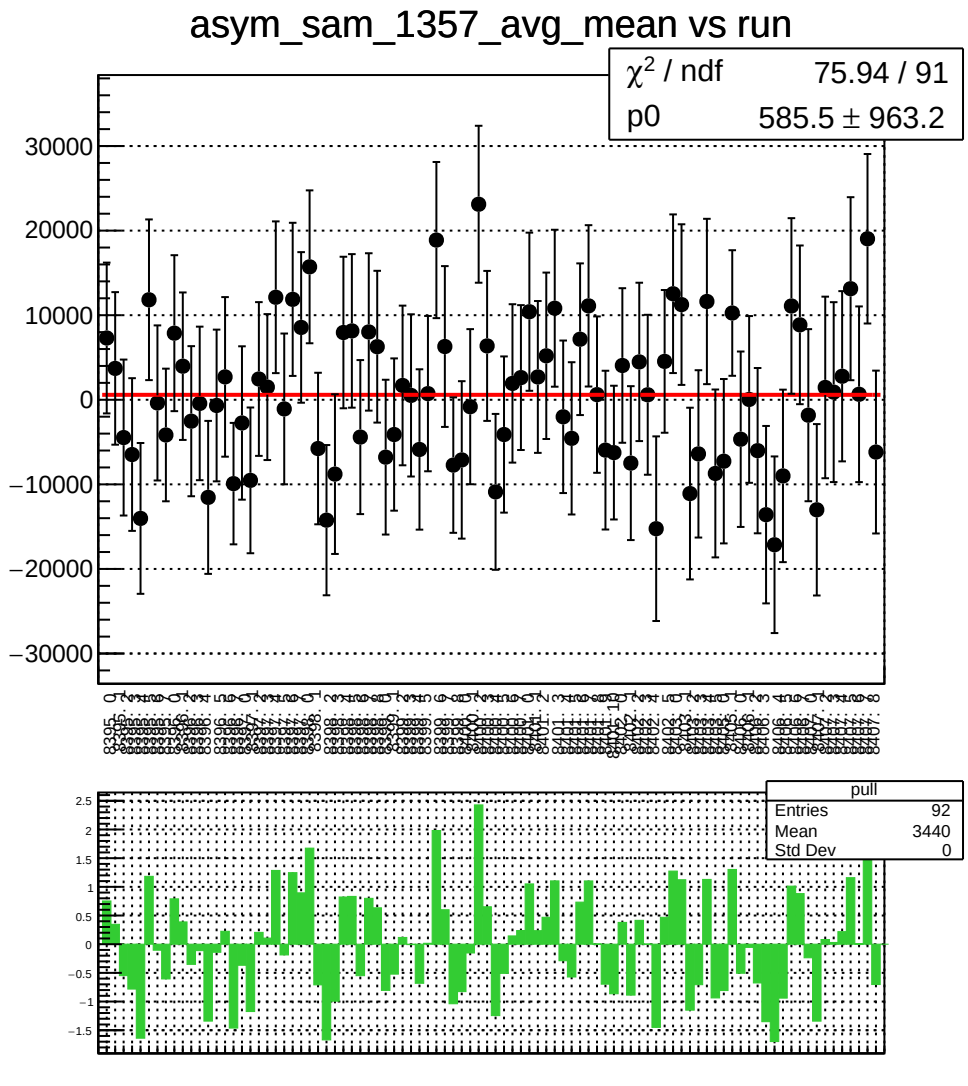

pull1D
Entries 92
Mean −0.01713
Std Dev 1.004

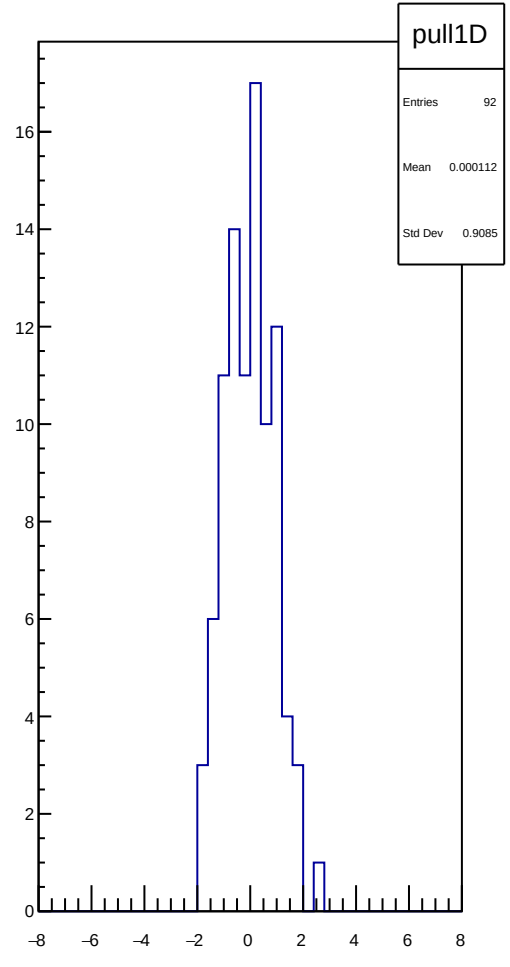

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.776e+04 / 91
p0 91.23 ± 0.06985
180
160
140
120
100
80

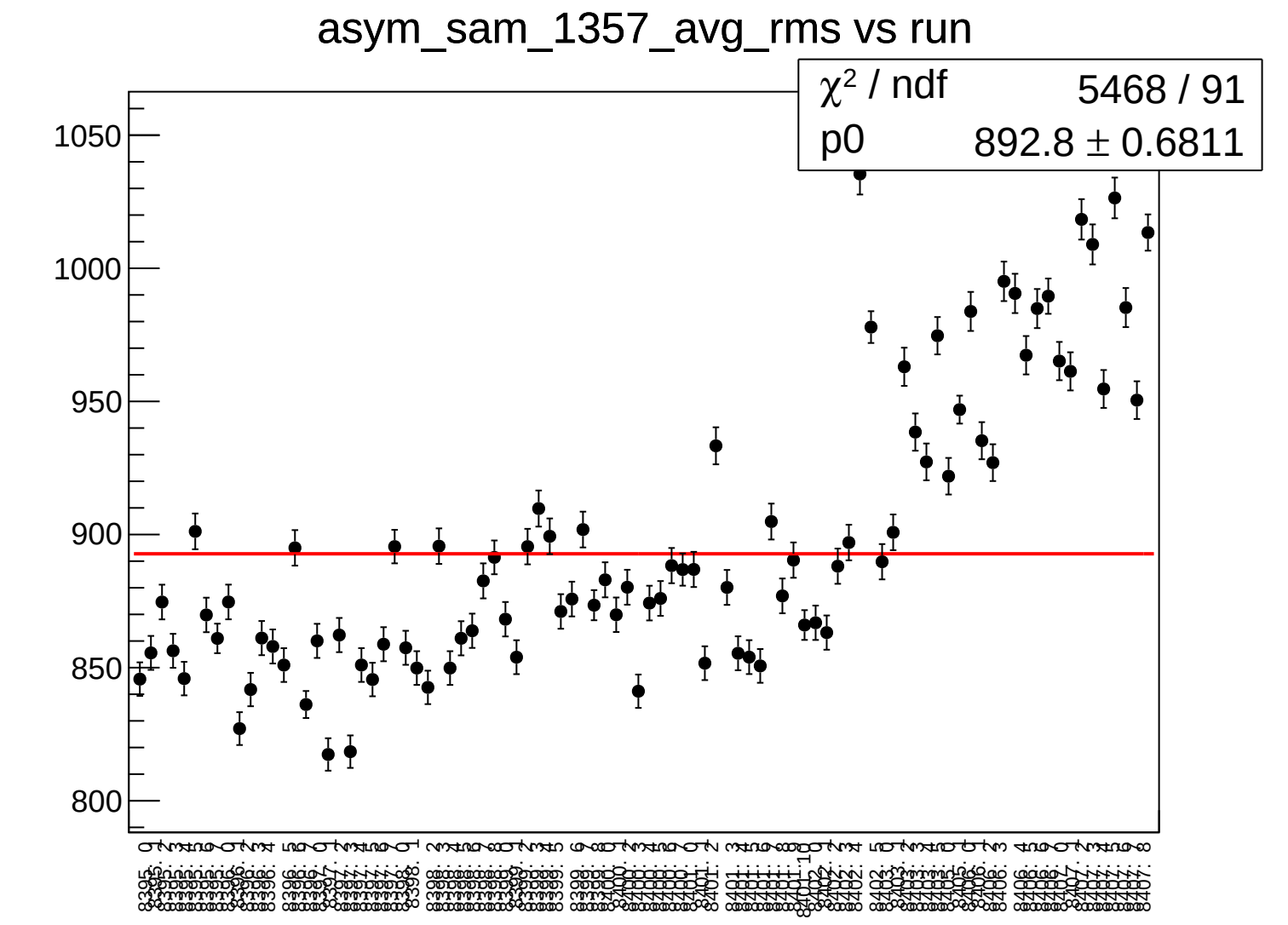

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 74.16 / 91
p0 −913.4 ± 954.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 131.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

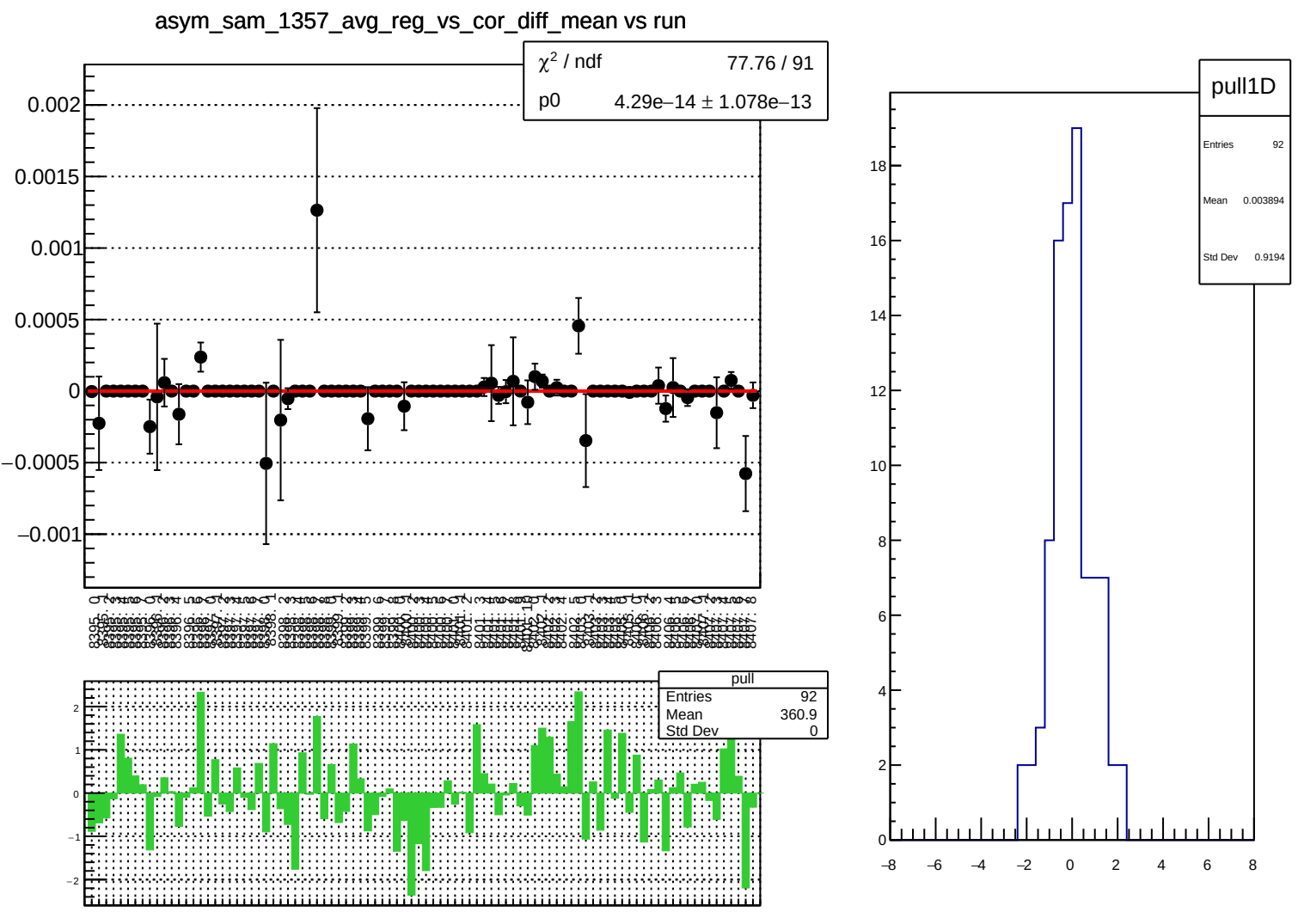

pull1D
Entries 92
Mean −0.002219
Std Dev 0.8978
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

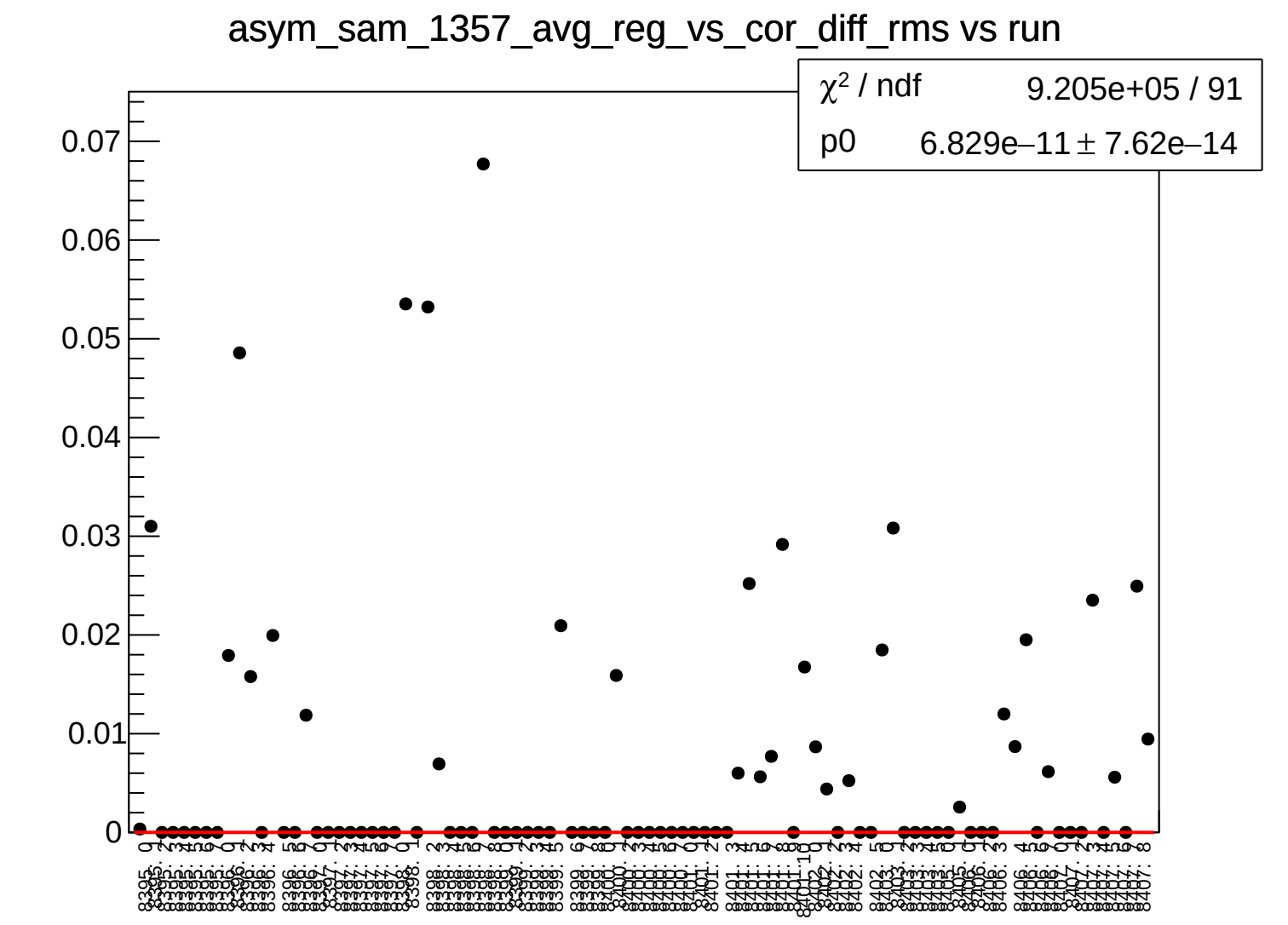

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 3863 / 91
p0 884.7 ± 0.6746
1000
950
900
850
800

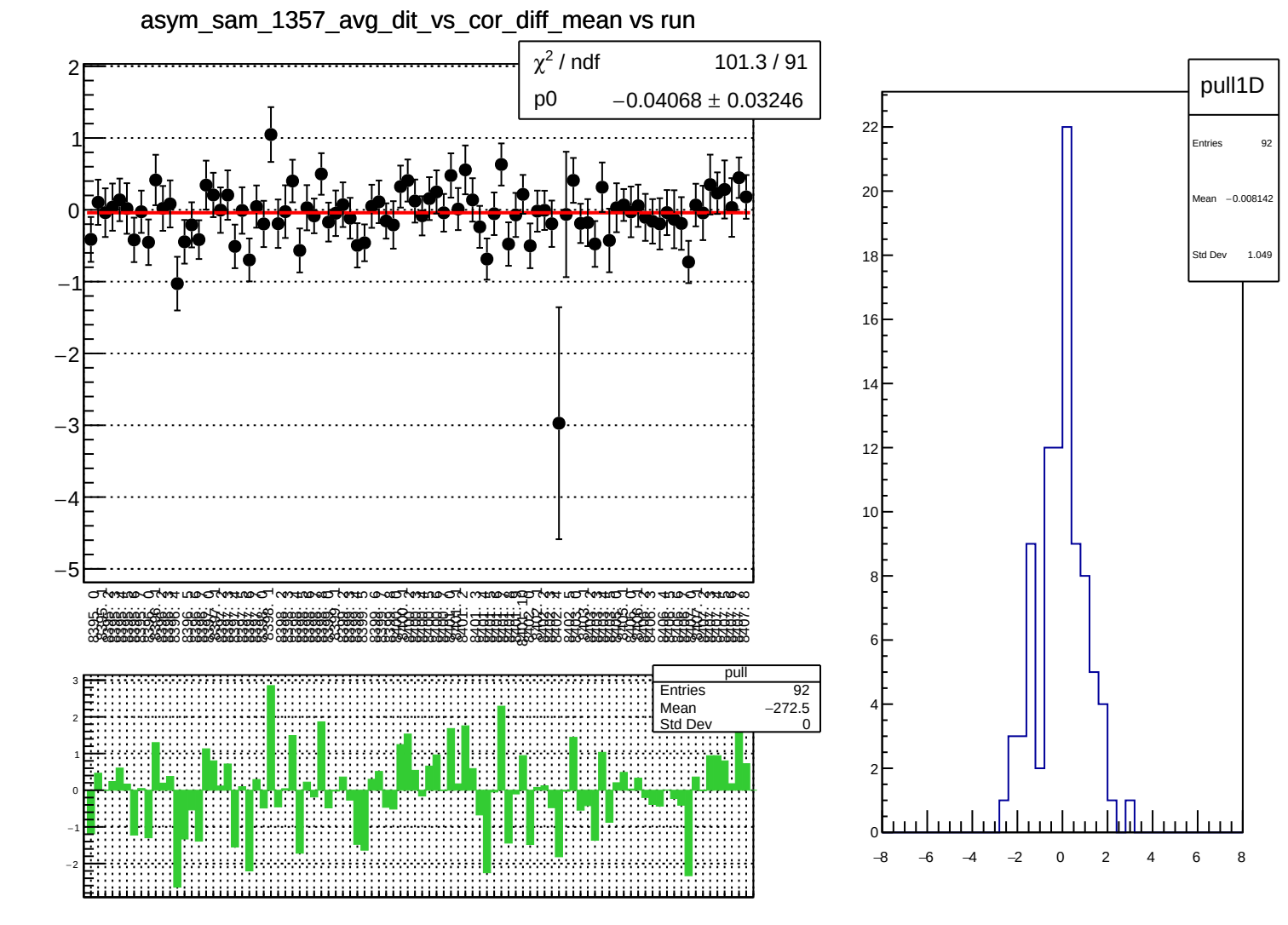

asym_sam_1357_avg_mean vs run
χ² / ndf 75.94 / 91
p0 585.5 ± 963.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 92
Mean 3440
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

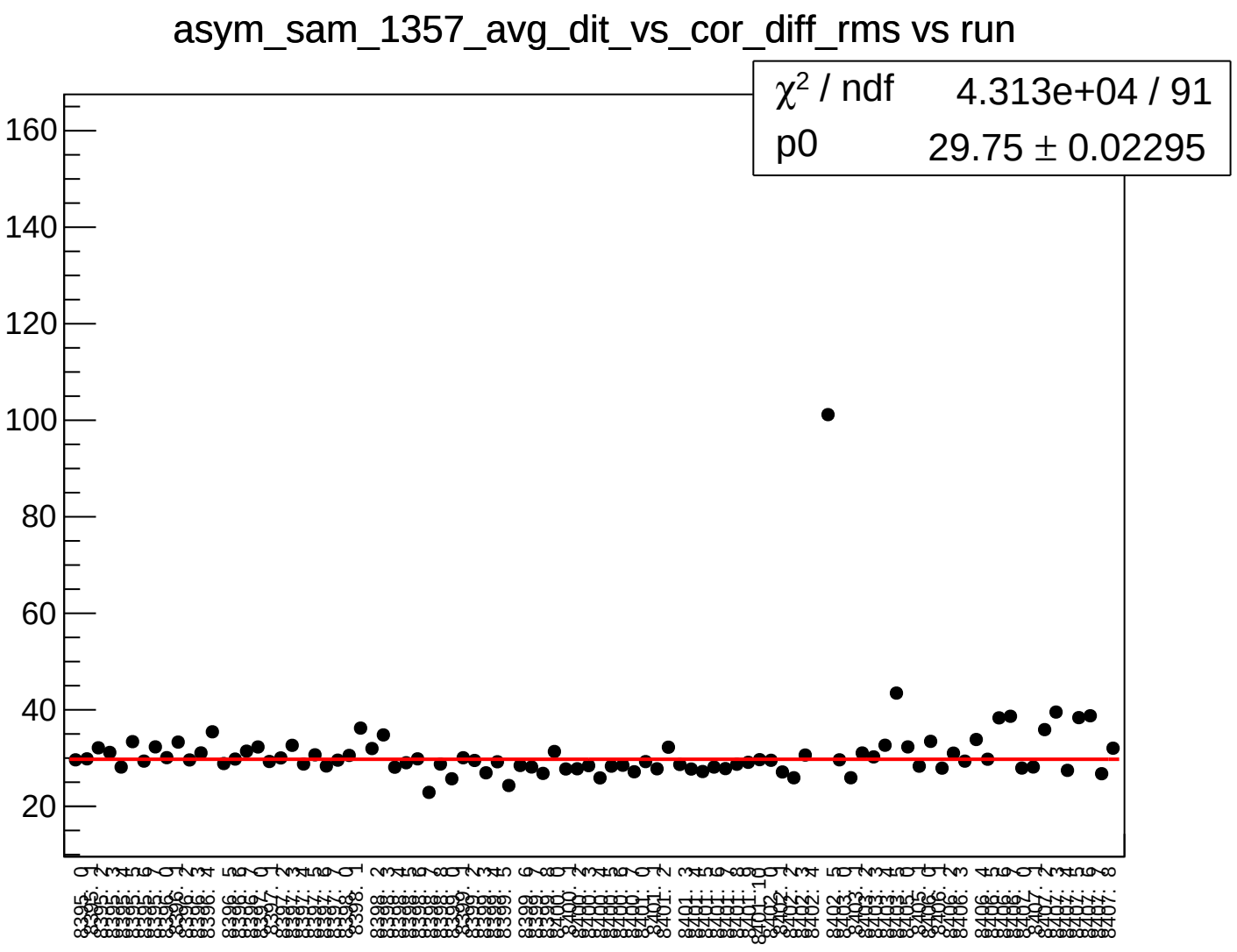

pull1D
Entries 92
Mean 0.000112
Std Dev 0.9085
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

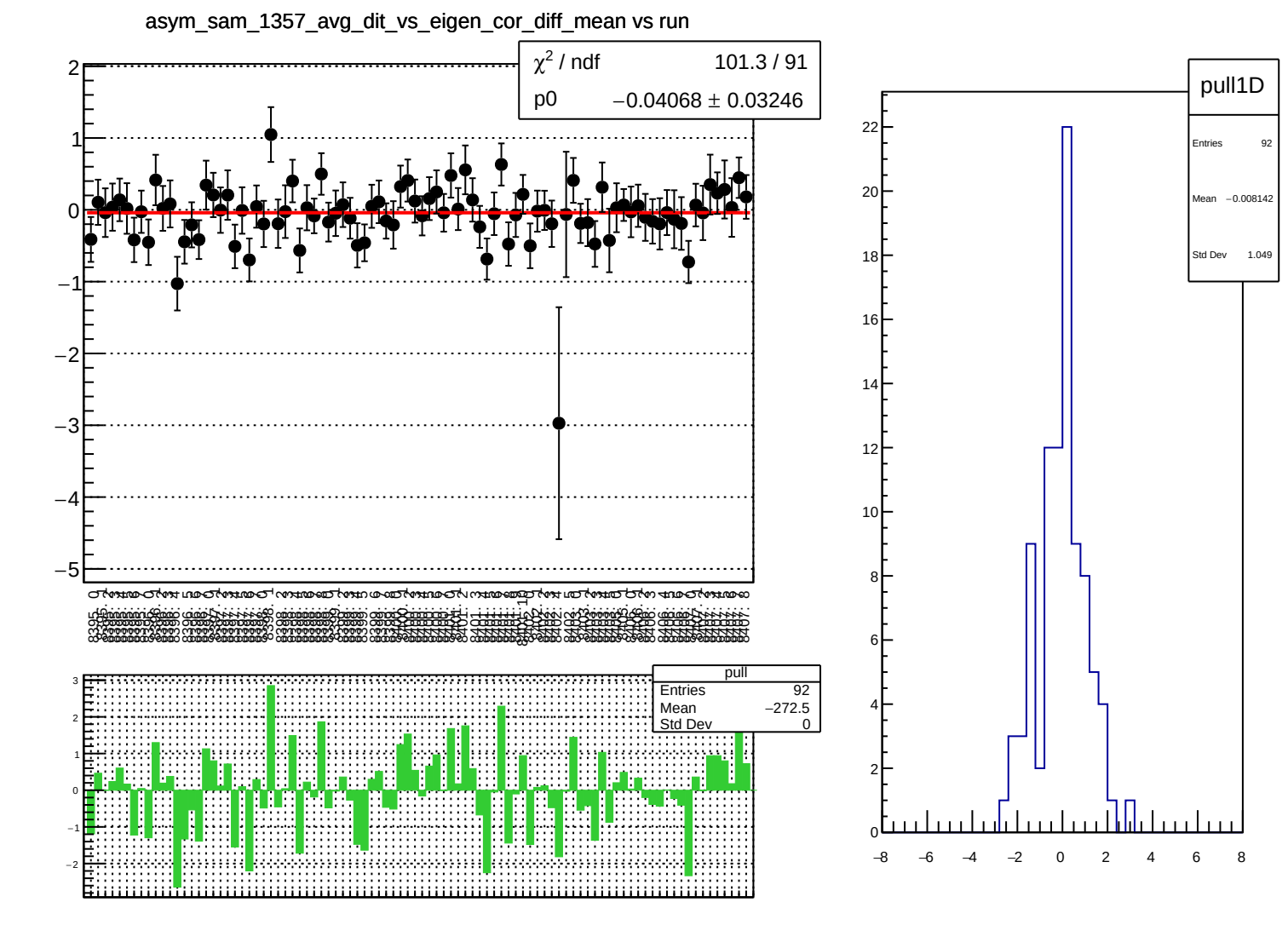

asym_sam_1357_avg_rms vs run
χ² / ndf 5468 / 91
p0 892.8 ± 0.6811
1050
1000
950
900
850
800

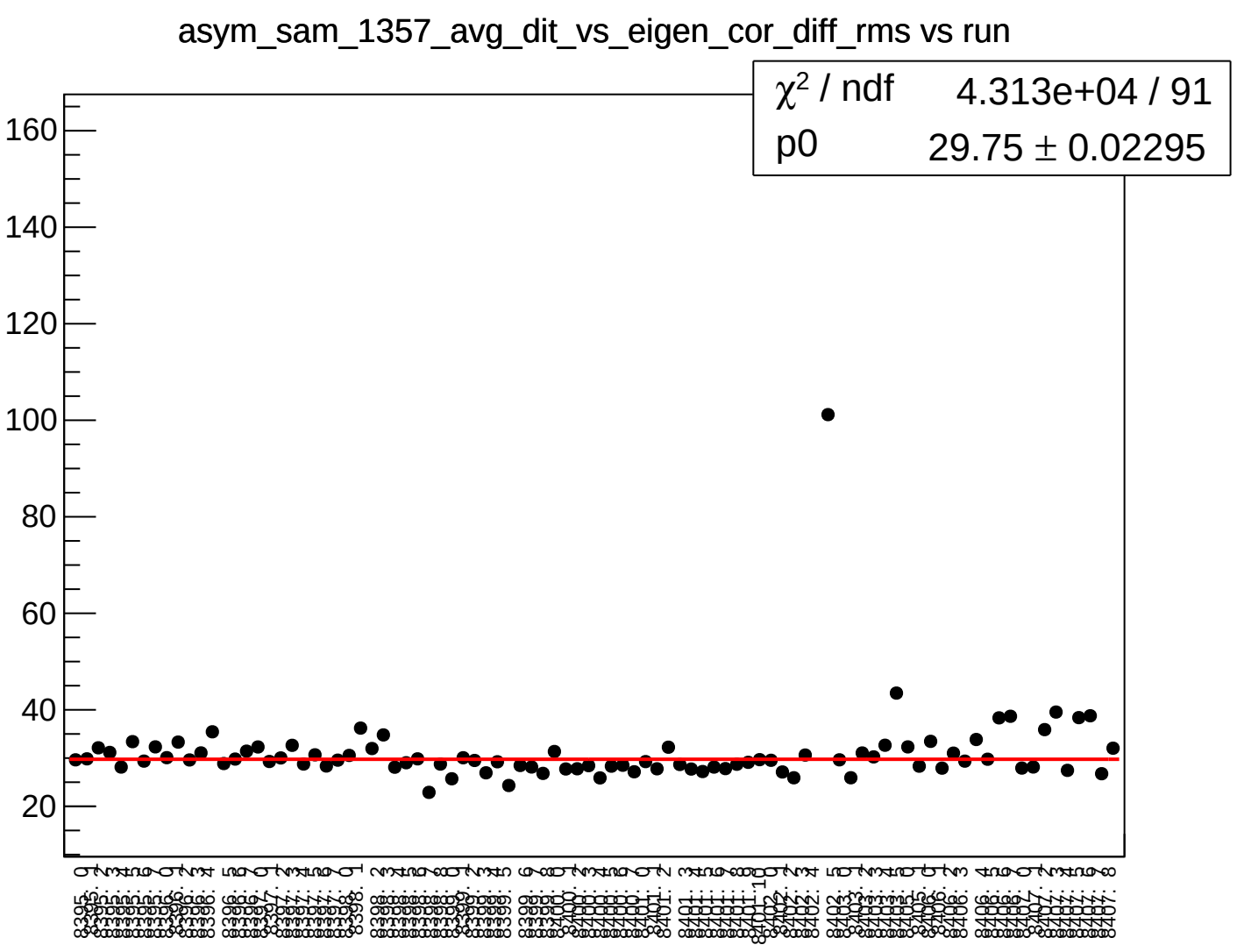

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.76 / 91
p0 4.29e−14 ± 1.078e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 92
Mean 360.9
Std Dev 0
pull1D
Entries 92
Mean 0.003894
Std Dev 0.9194
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

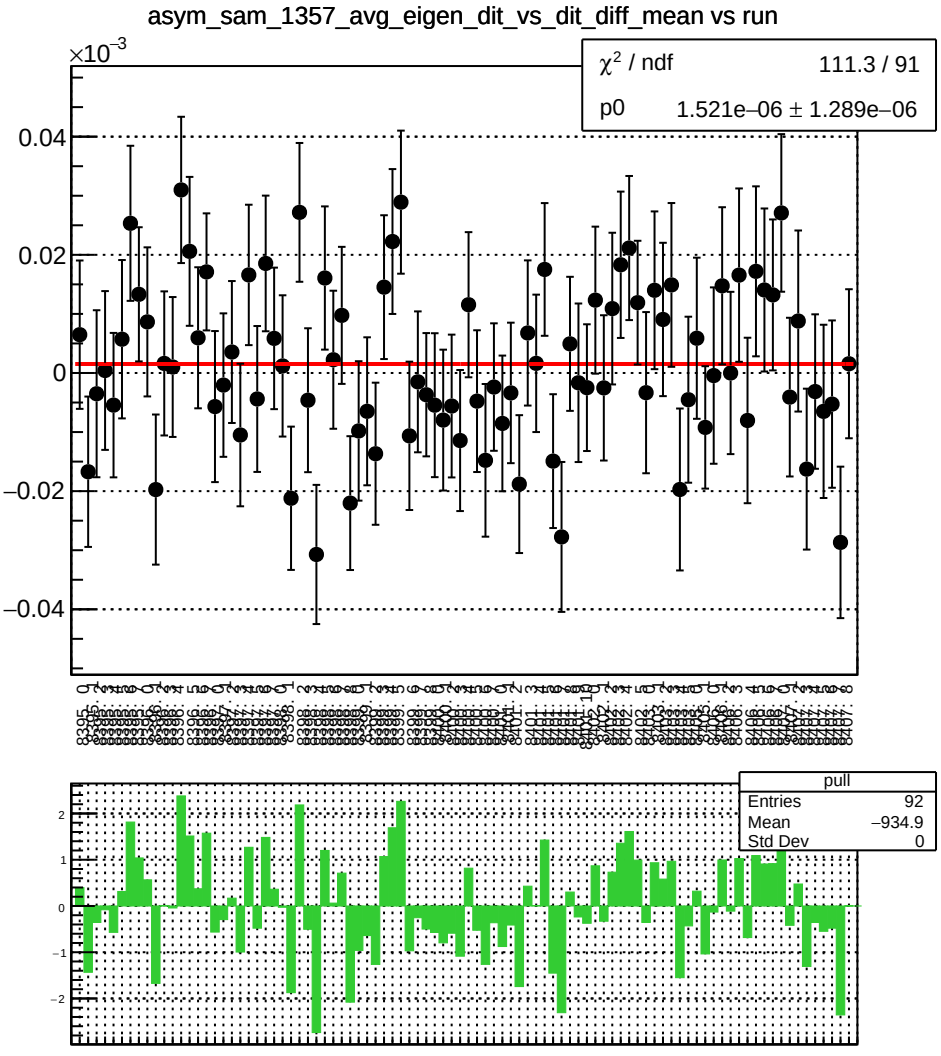

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.205e+05 / 91
p0 6.829e−11 ± 7.62e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

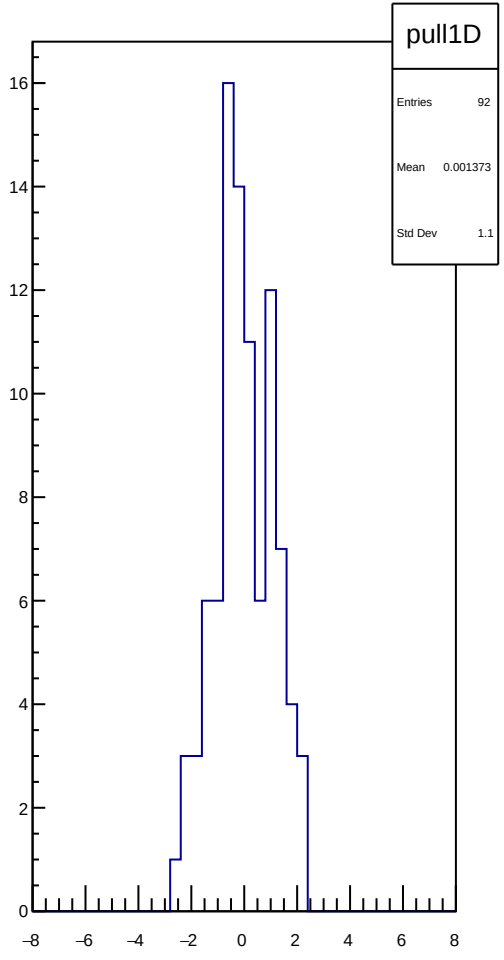

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 101.3 / 91
p0 −0.04068 ± 0.03246
pull
Entries 92
Mean −272.5
Std Dev 0
pull1D
Entries 92
Mean −0.008142
Std Dev 1.049

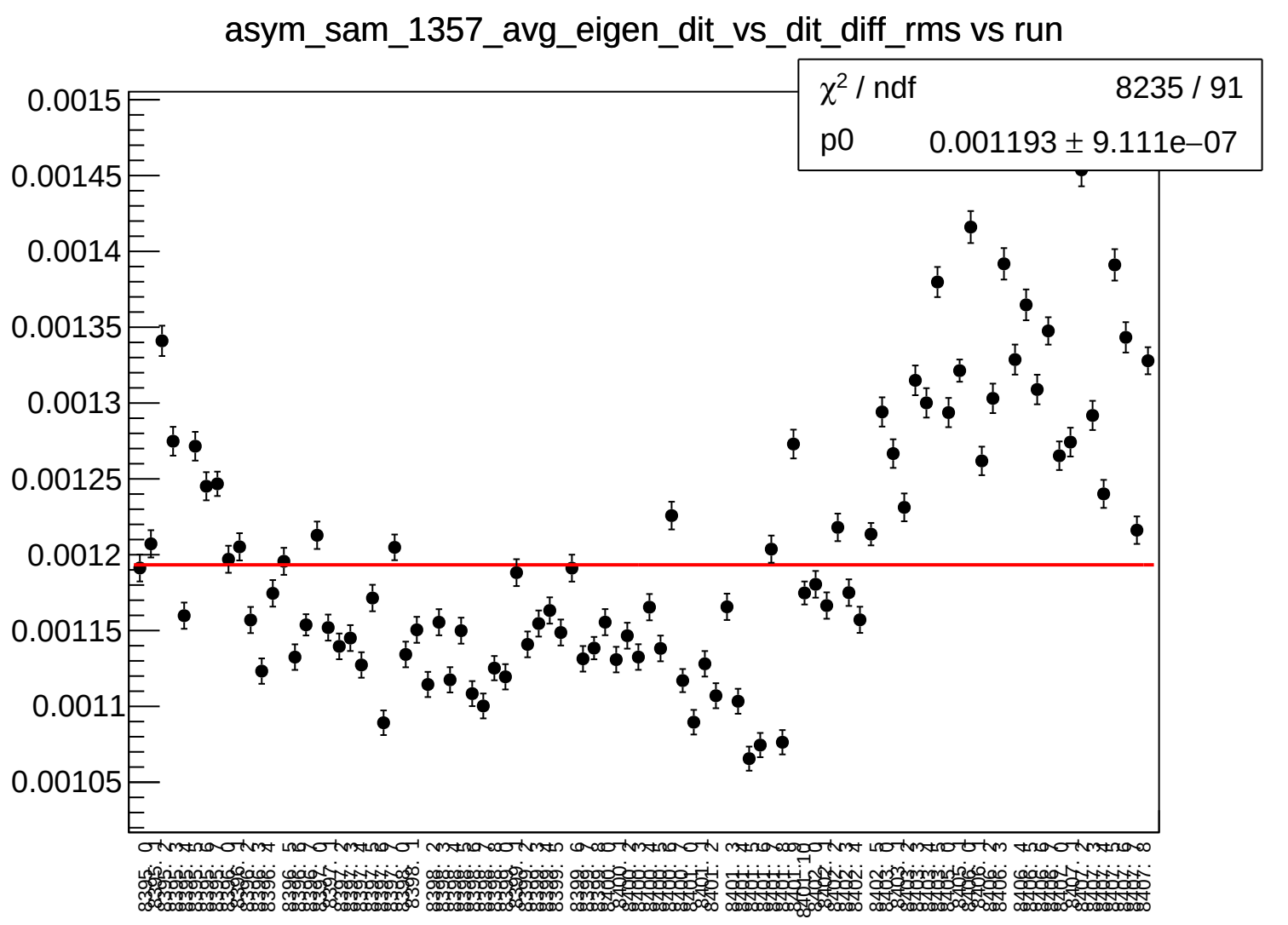

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.313e+04 / 91
p0 29.75 ± 0.02295
160
140
120
100
80
60
40
20

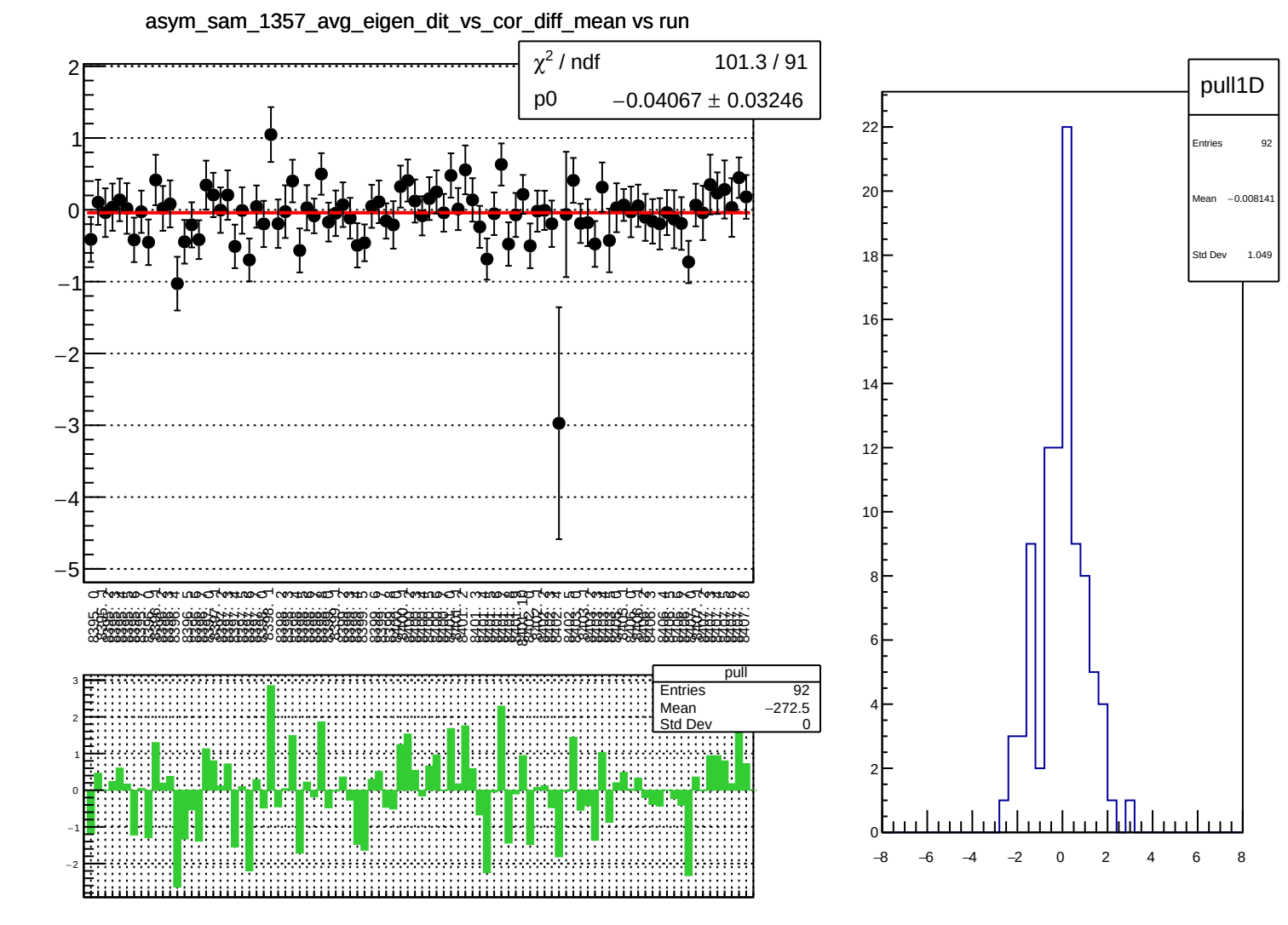

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.3 / 91
p0 −0.04068 ± 0.03246
pull
Entries 92
Mean −272.5
Std Dev 0
pull1D
Entries 92
Mean −0.008142
Std Dev 1.049

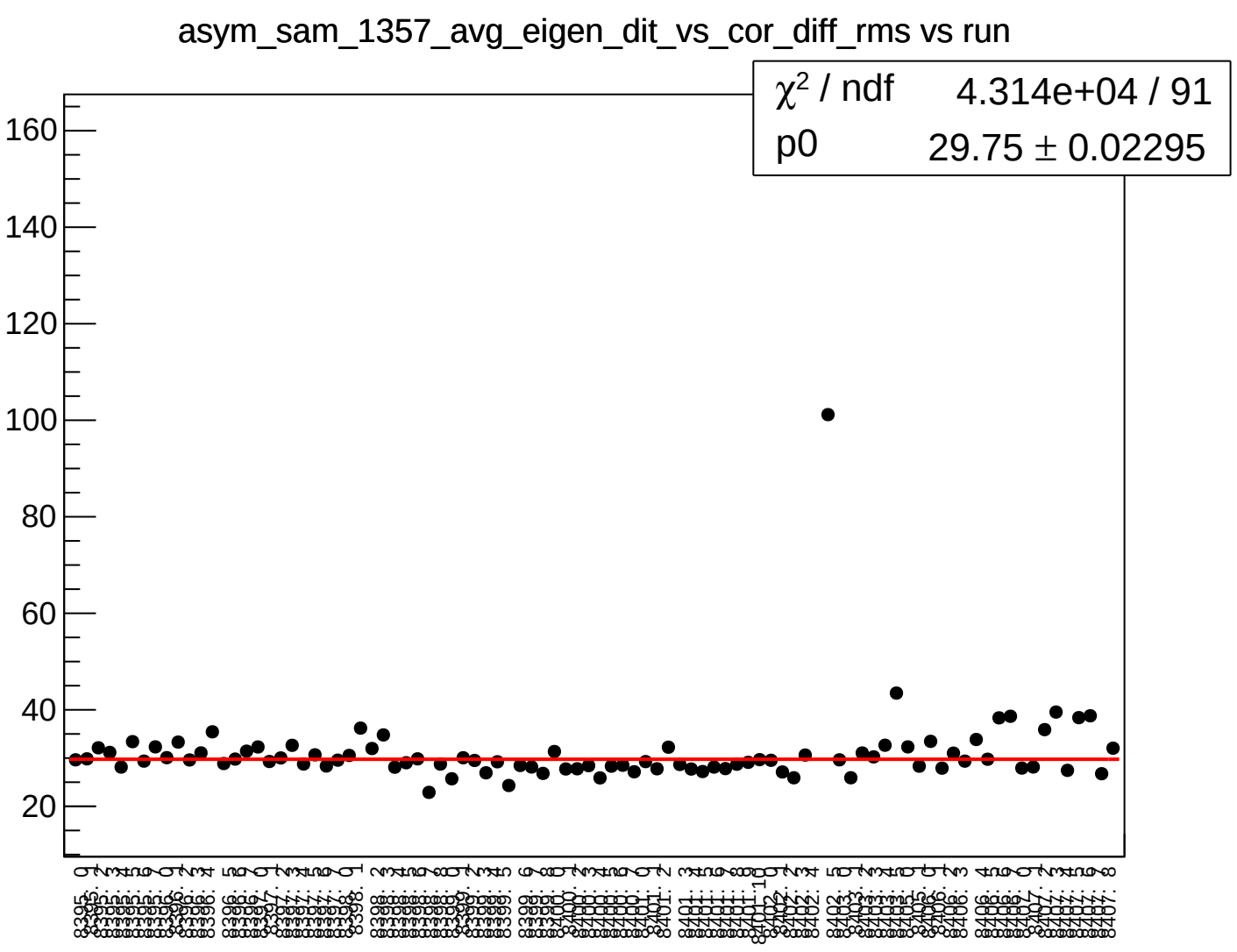

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.313e+04 / 91
p0 29.75 ± 0.02295
160
140
120
100
80
60
40
20

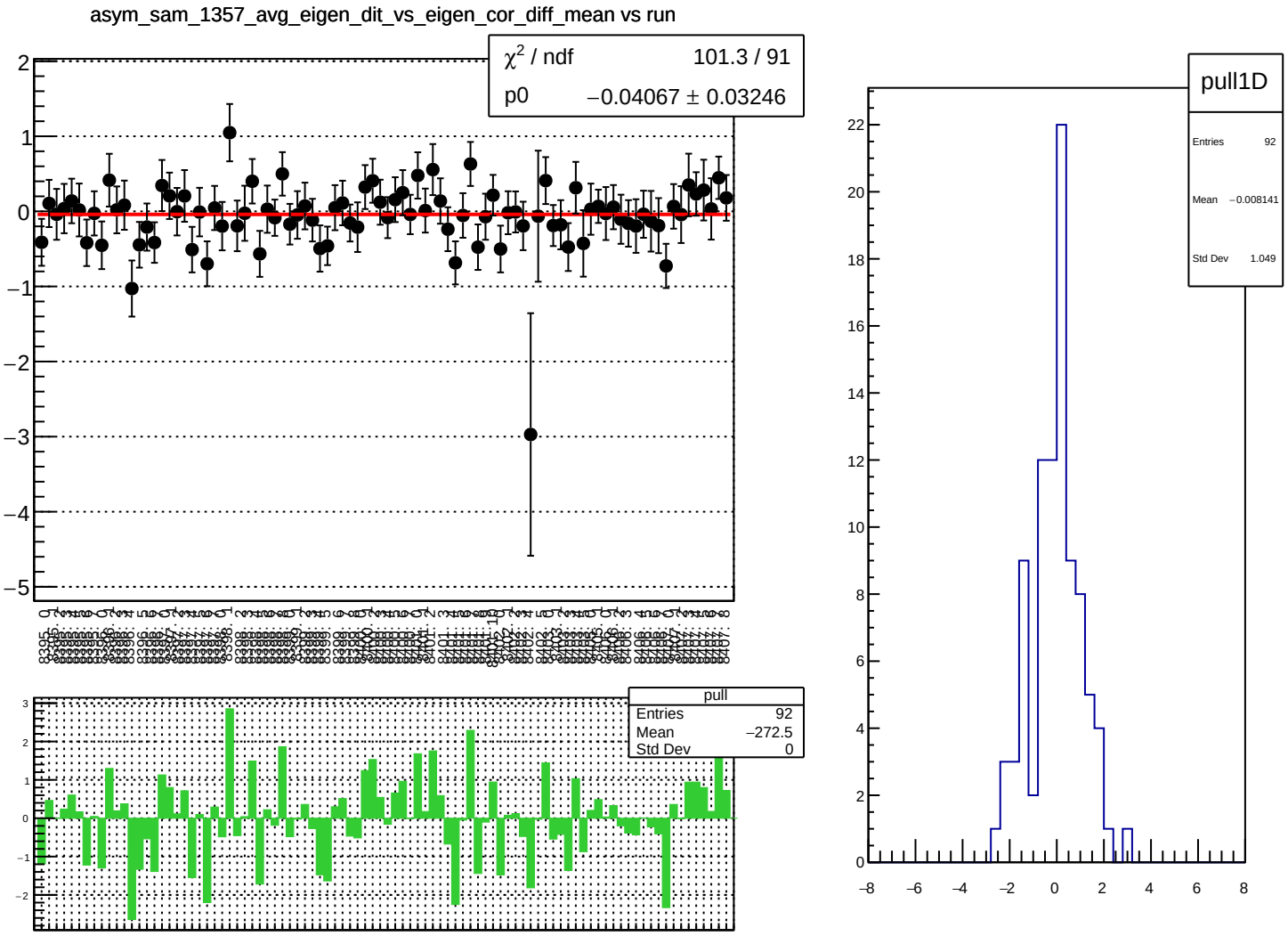

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 111.3 / 91
p0 1.521e−06 ± 1.289e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 92
Mean −934.9
Std Dev 0
2
1
0
−1
−2

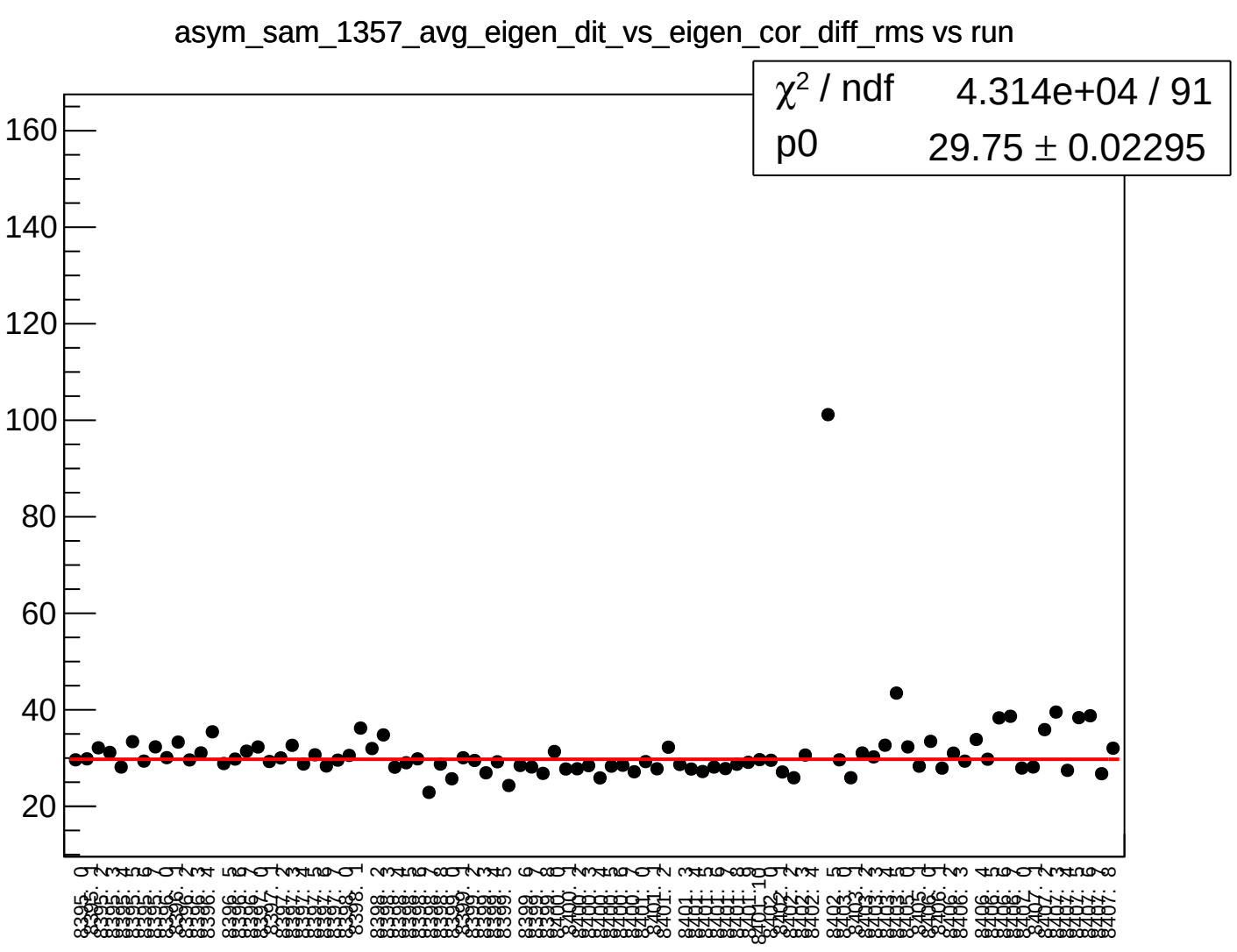

pull1D
Entries 92
Mean 0.001373
Std Dev 1.1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

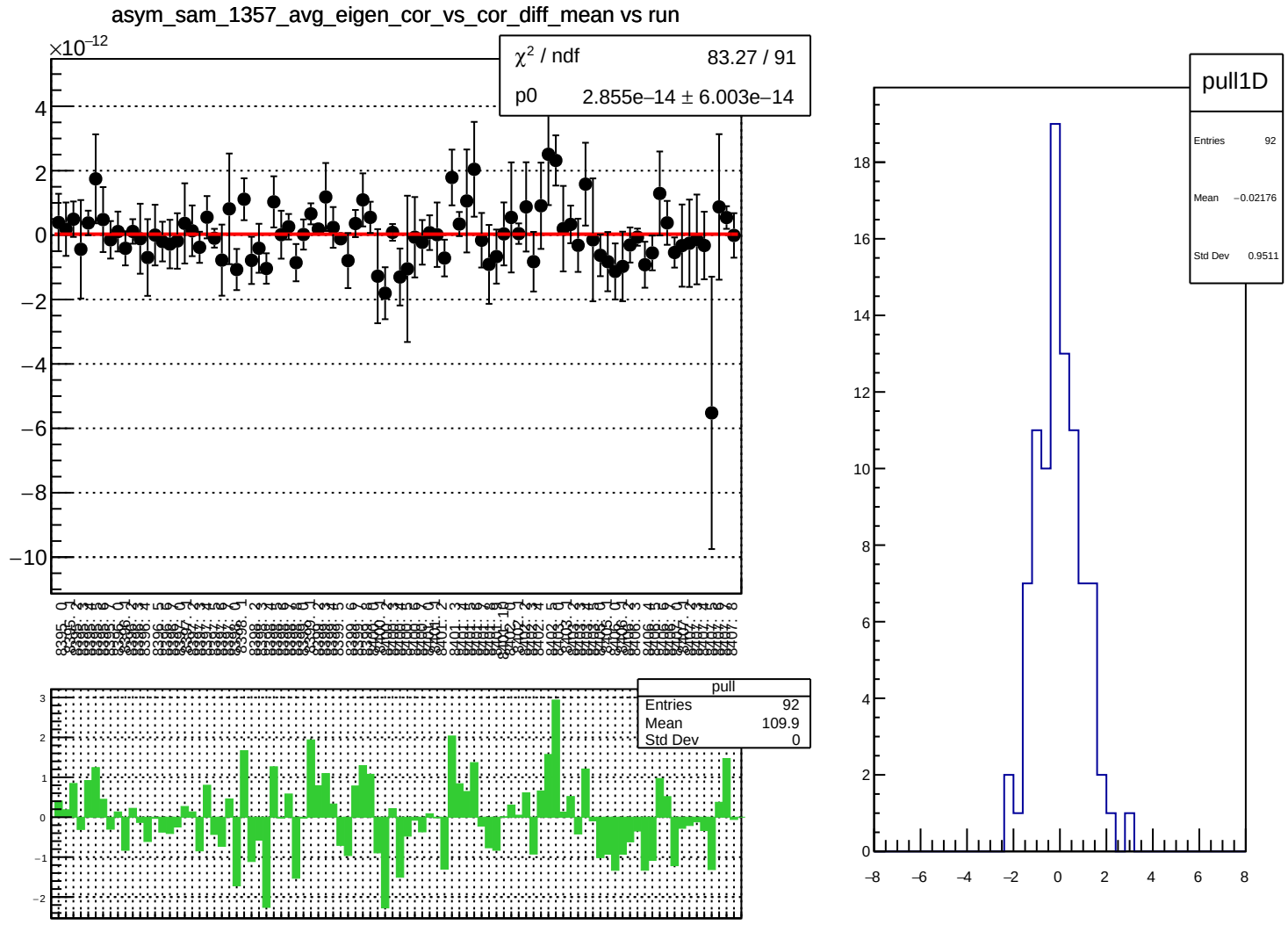

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8235 / 91
p0 0.001193 ± 9.111e−07
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105

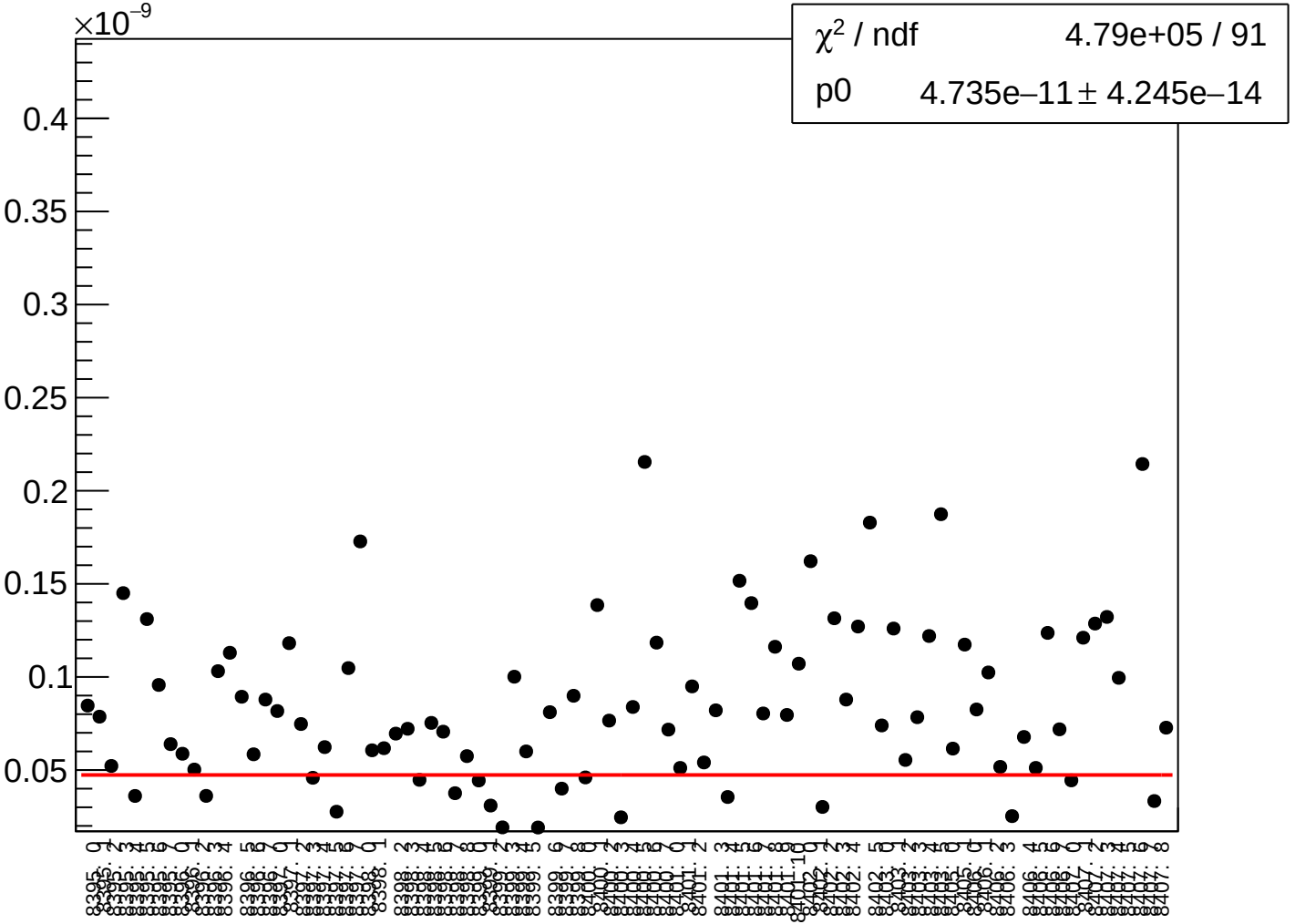

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 101.3 / 91
p0 −0.04067 ± 0.03246
pull
Entries 92
Mean −272.5
Std Dev 0
pull1D
Entries 92
Mean −0.008141
Std Dev 1.049

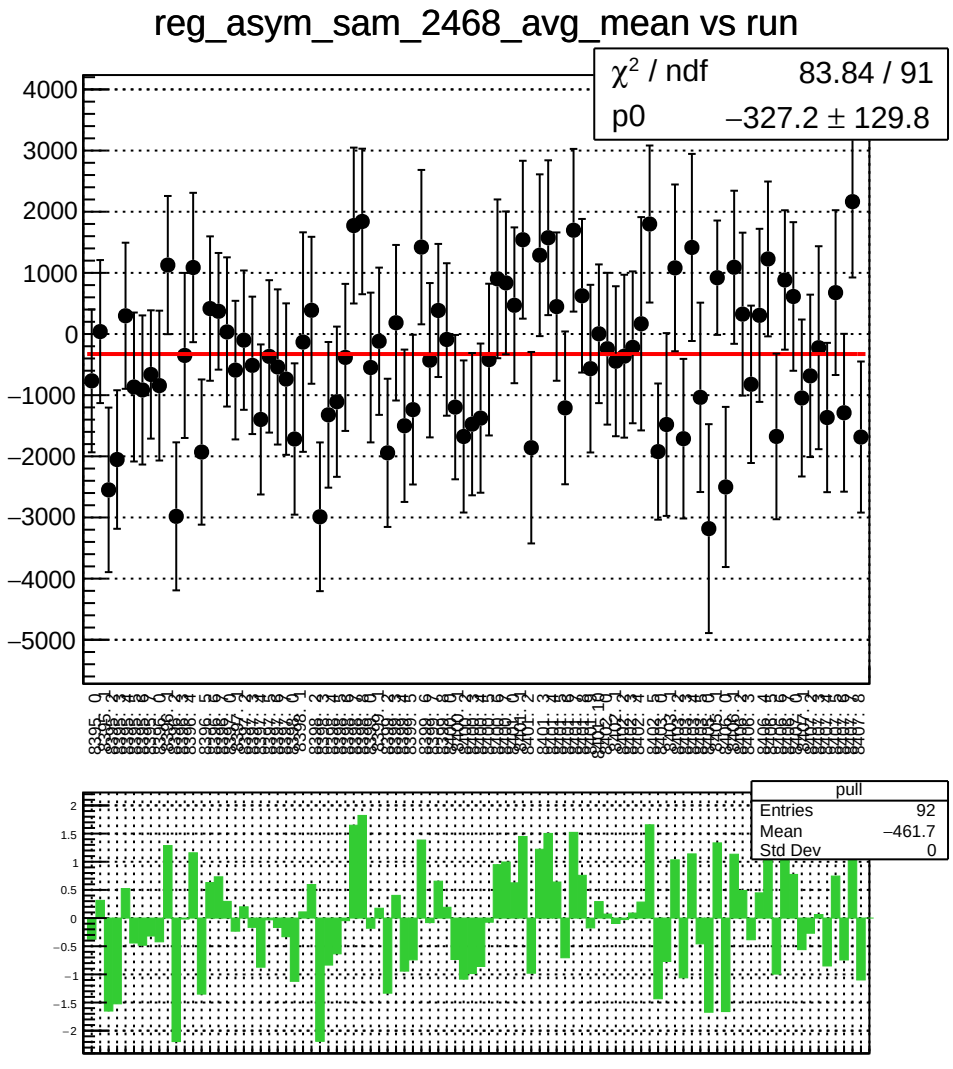

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.314e+04 / 91
p0 29.75 ± 0.02295
160
140
120
100
80
60
40
20

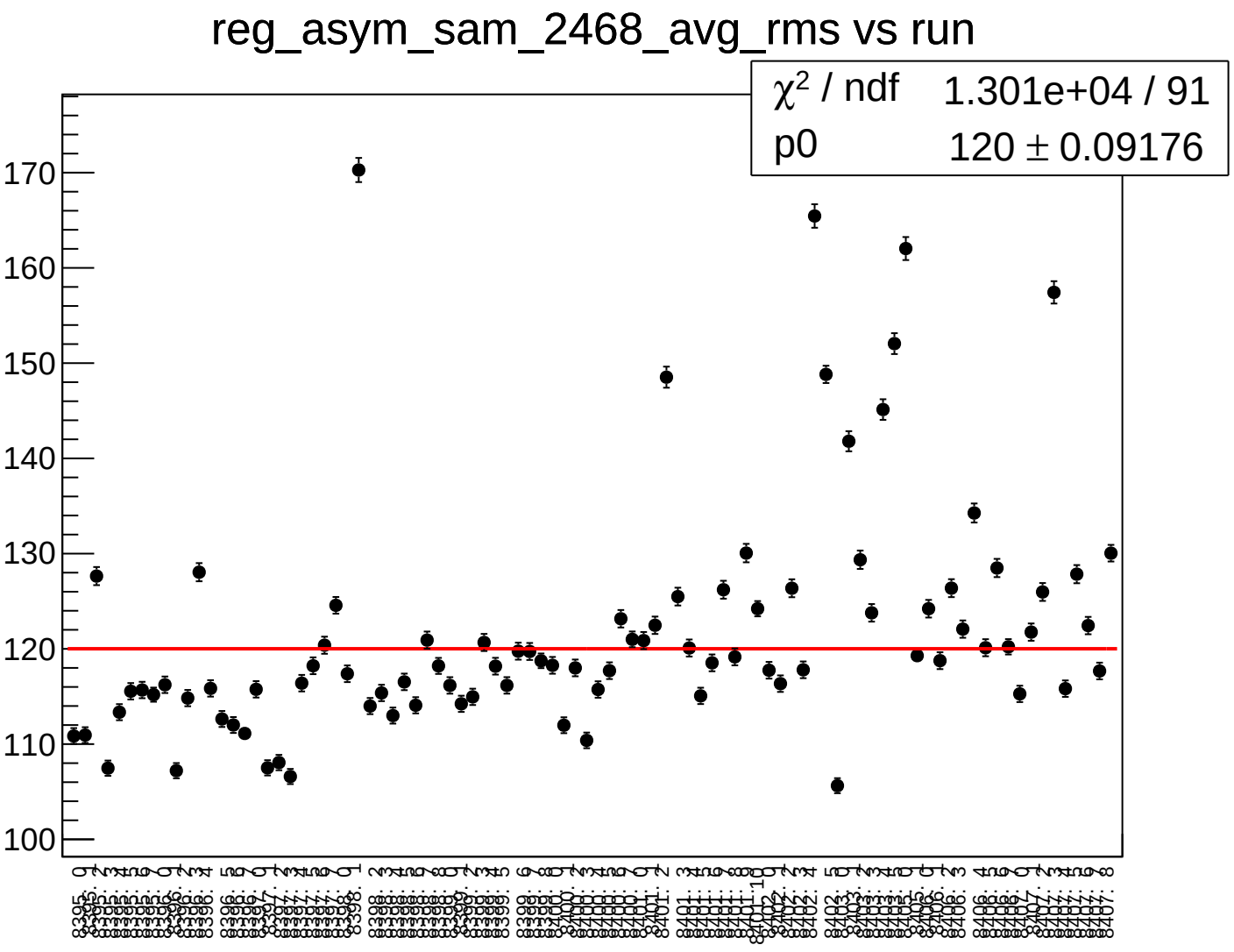

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.3 / 91
p0 −0.04067 ± 0.03246
pull
Entries 92
Mean −272.5
Std Dev 0
pull1D
Entries 92
Mean −0.008141
Std Dev 1.049

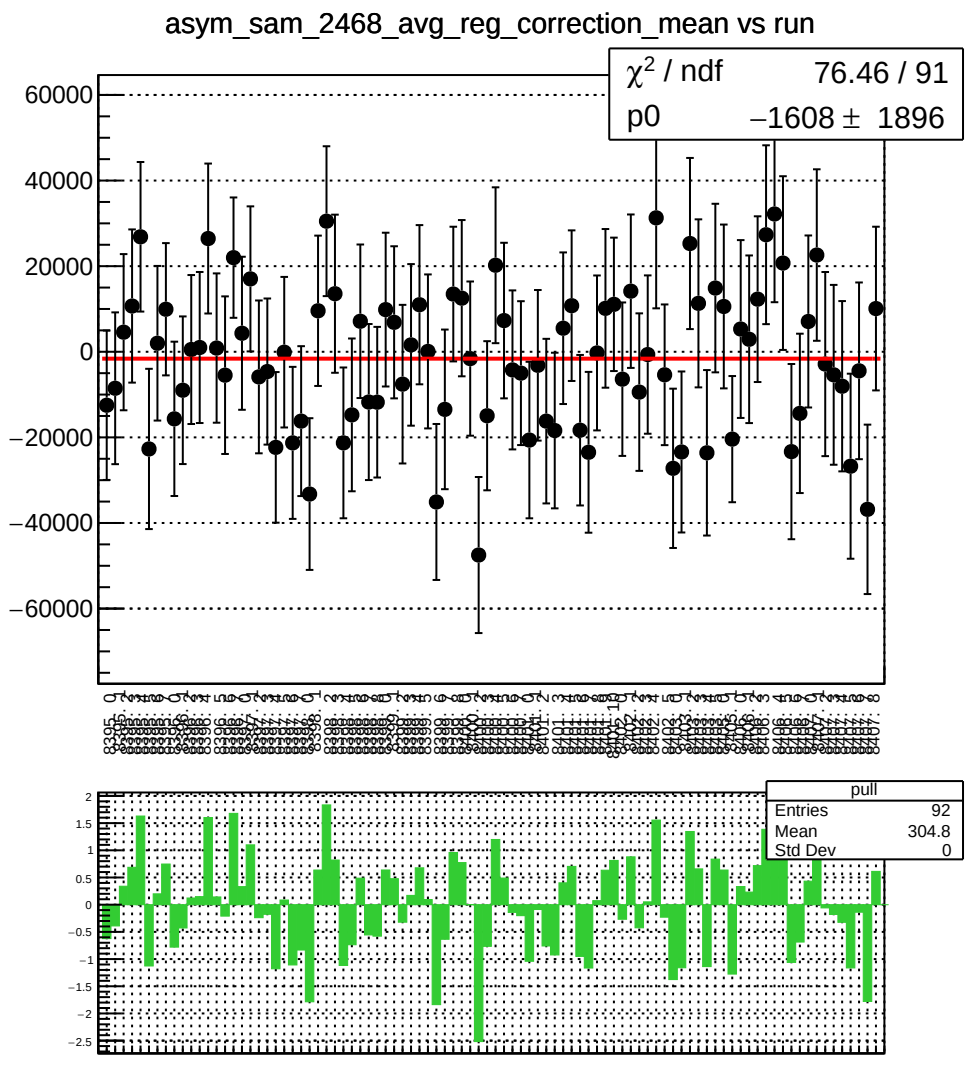

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.314e+04 / 91
p0 29.75 ± 0.02295
160
140
120
100
80
60
40
20

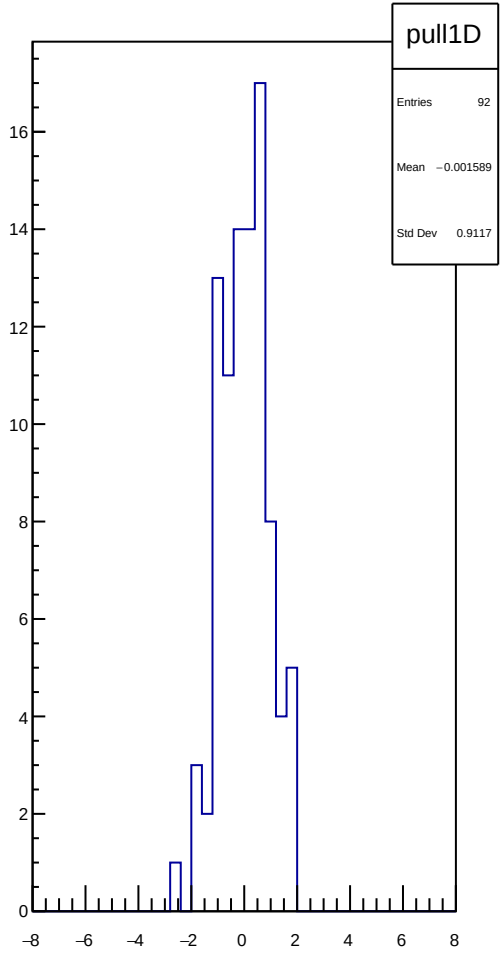

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.27 / 91
p0 2.855e−14 ± 6.003e−14
pull
Entries 92
Mean 109.9
Std Dev 0
pull1D
Entries 92
Mean −0.02176
Std Dev 0.9511

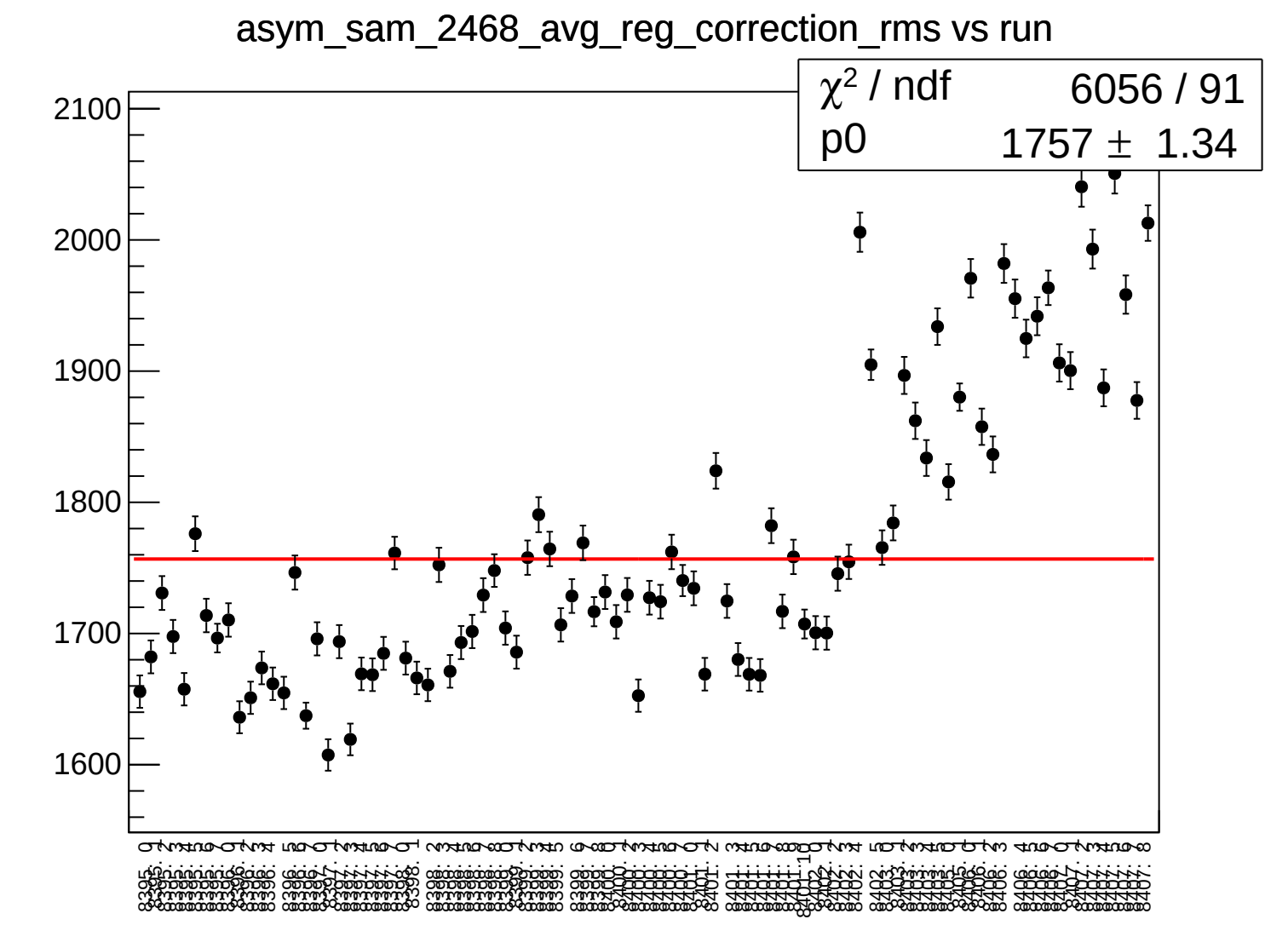

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.79e+05 / 91
p0 4.735e−11 ± 4.245e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

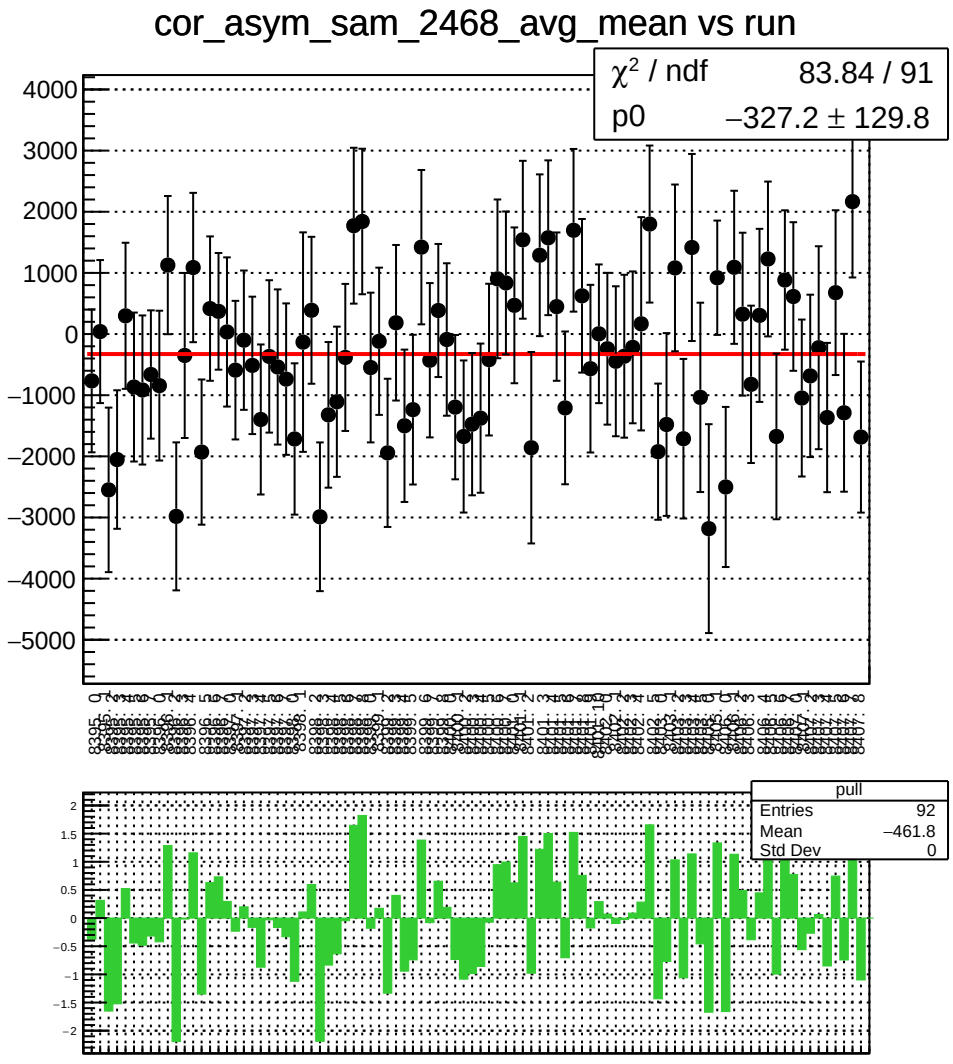

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 83.84 / 91
p0 −327.2 ± 129.8
pull
Entries 92
Mean −461.7
Std Dev 0
pull1D
Entries 92
Mean −0.00777
Std Dev 0.9546

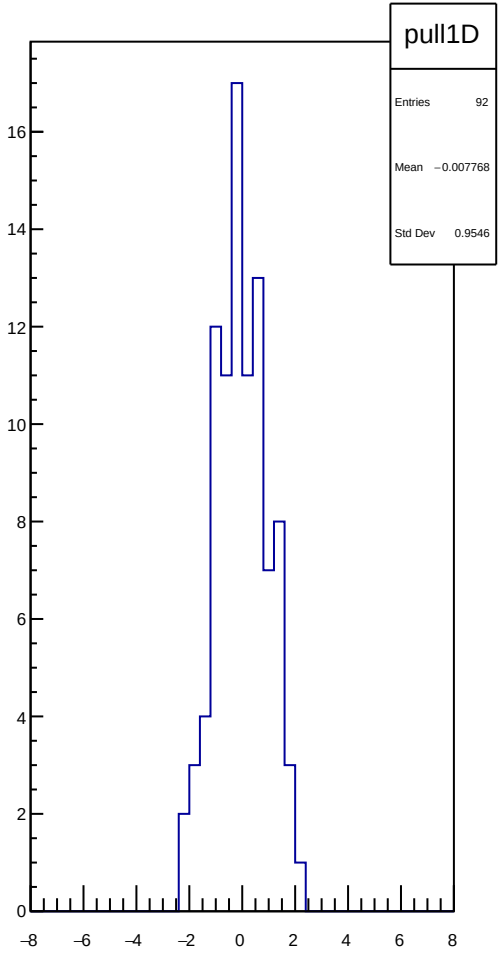

reg_asym_sam_2468_avg_rms vs run
$\chi^2$ / ndf 1.301e+04 / 91
p0 120 ± 0.09176
170
160
150
140
130
120
110
100

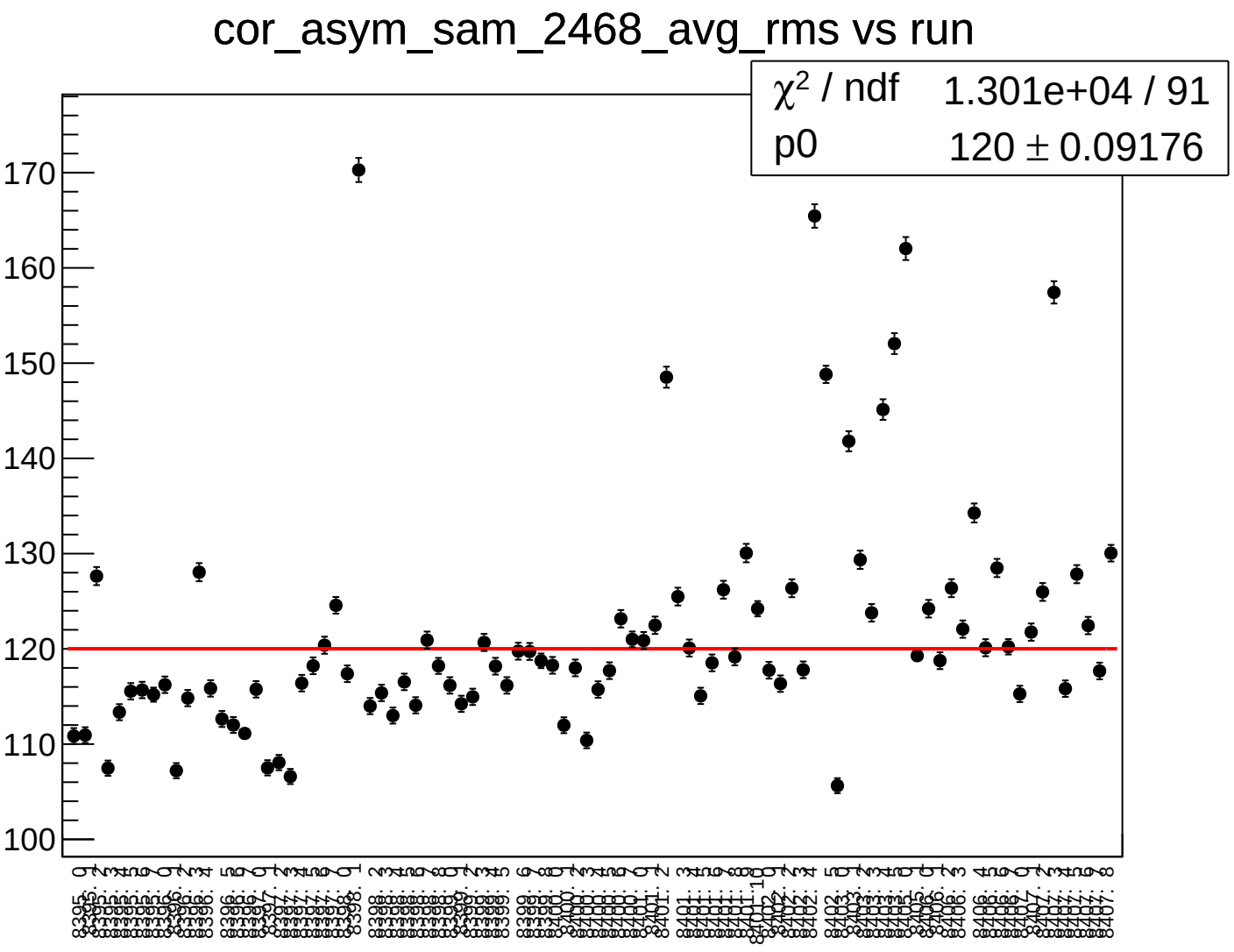

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 76.46 / 91
p0 −1608 ± 1896
pull
Entries 92
Mean 304.8
Std Dev 0

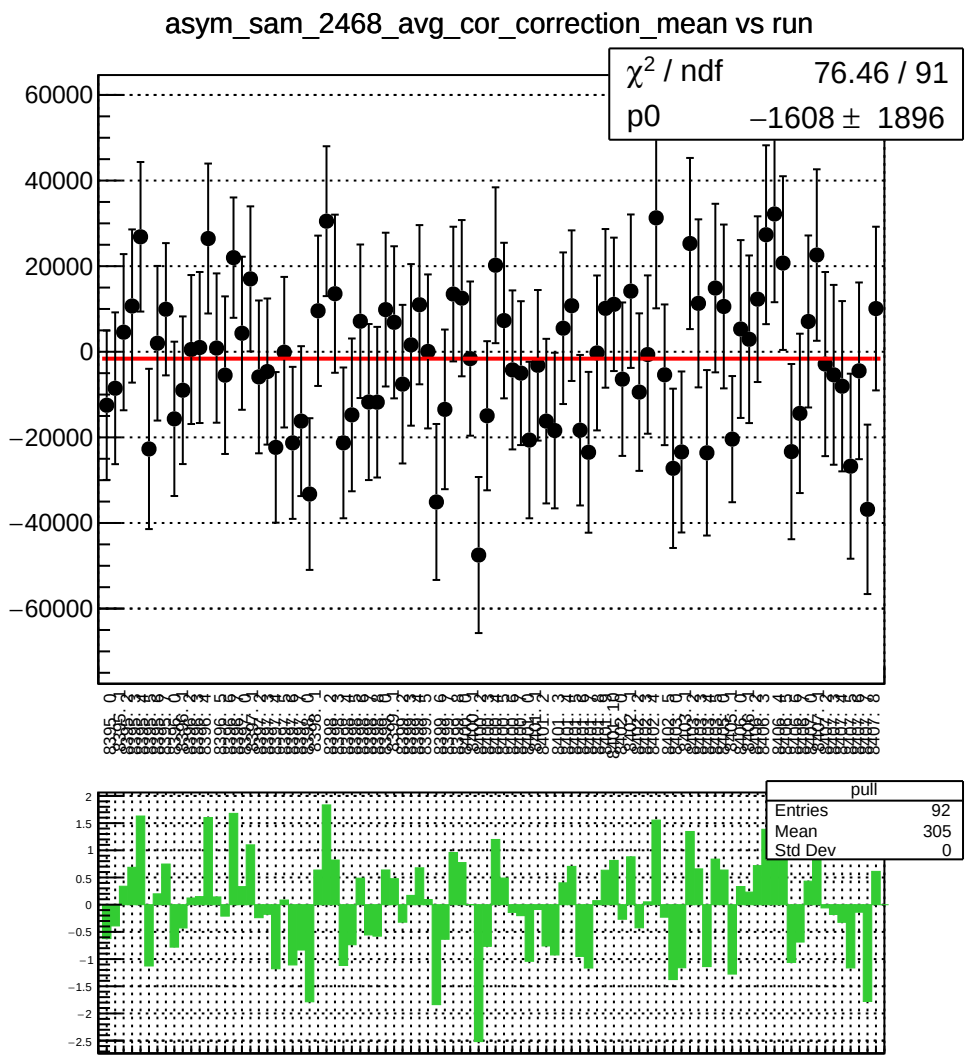

pull1D
Entries 92
Mean −0.001589
Std Dev 0.9117

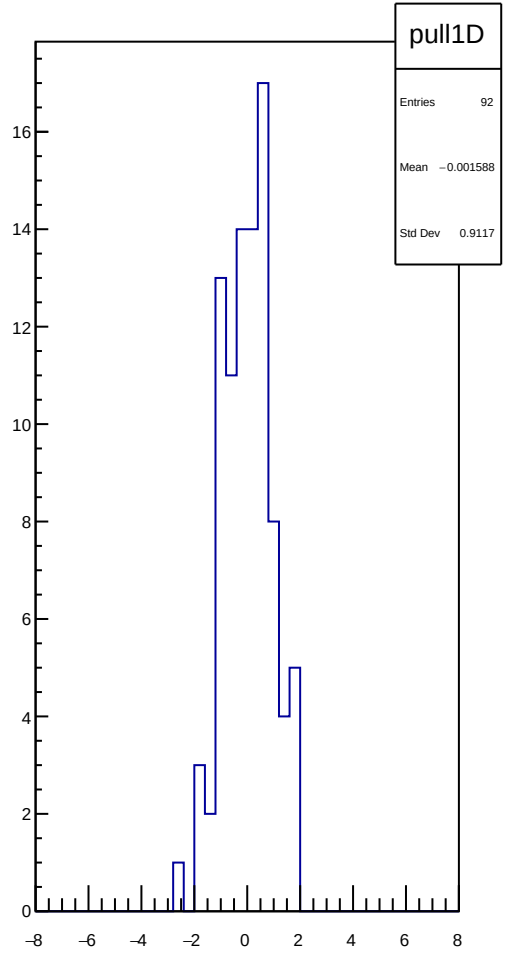

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 6056 / 91
p0 1757 ± 1.34
2100
2000
1900
1800
1700
1600

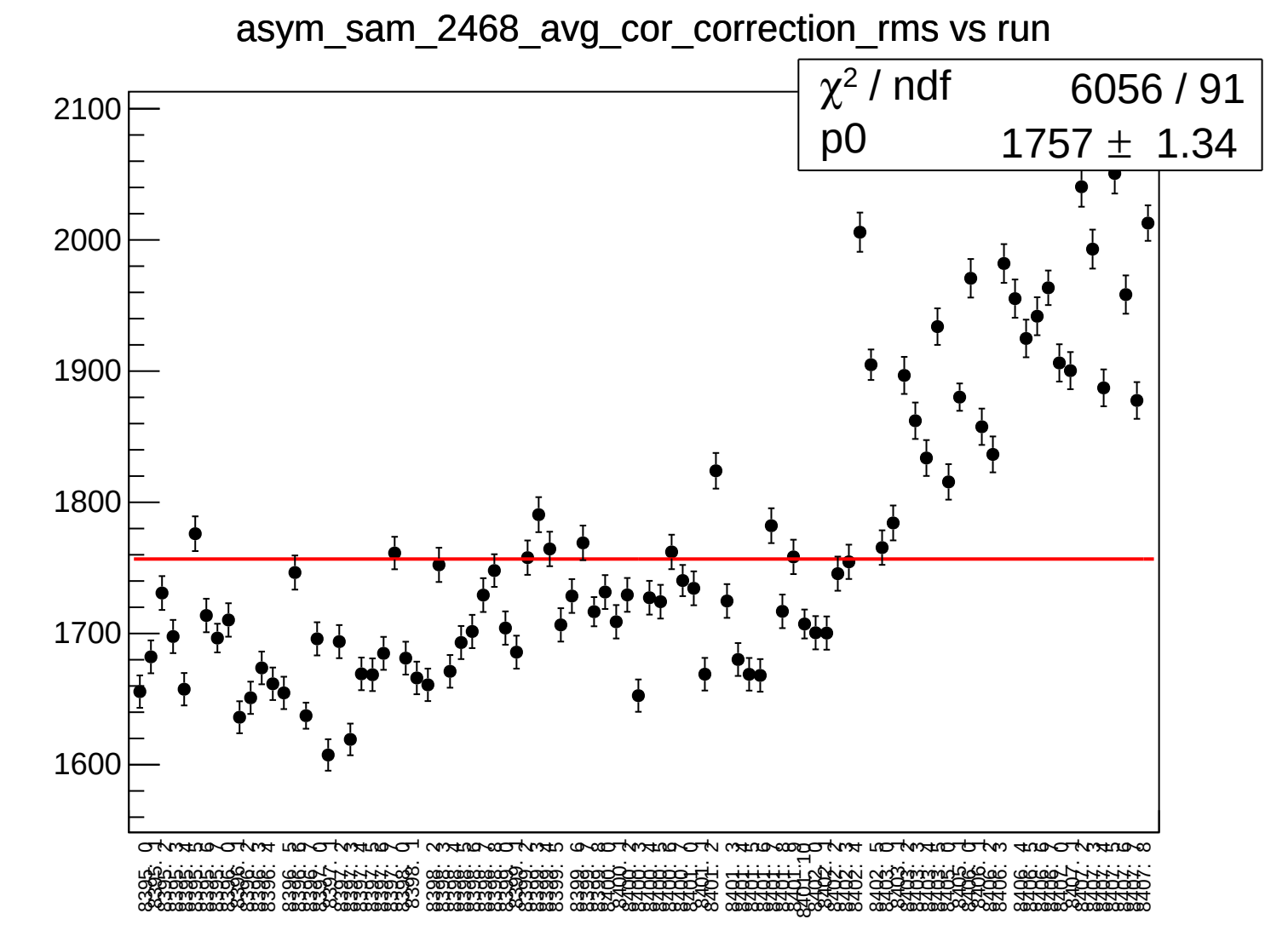

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 83.84 / 91
p0 −327.2 ± 129.8
pull
Entries 92
Mean −461.8
Std Dev 0

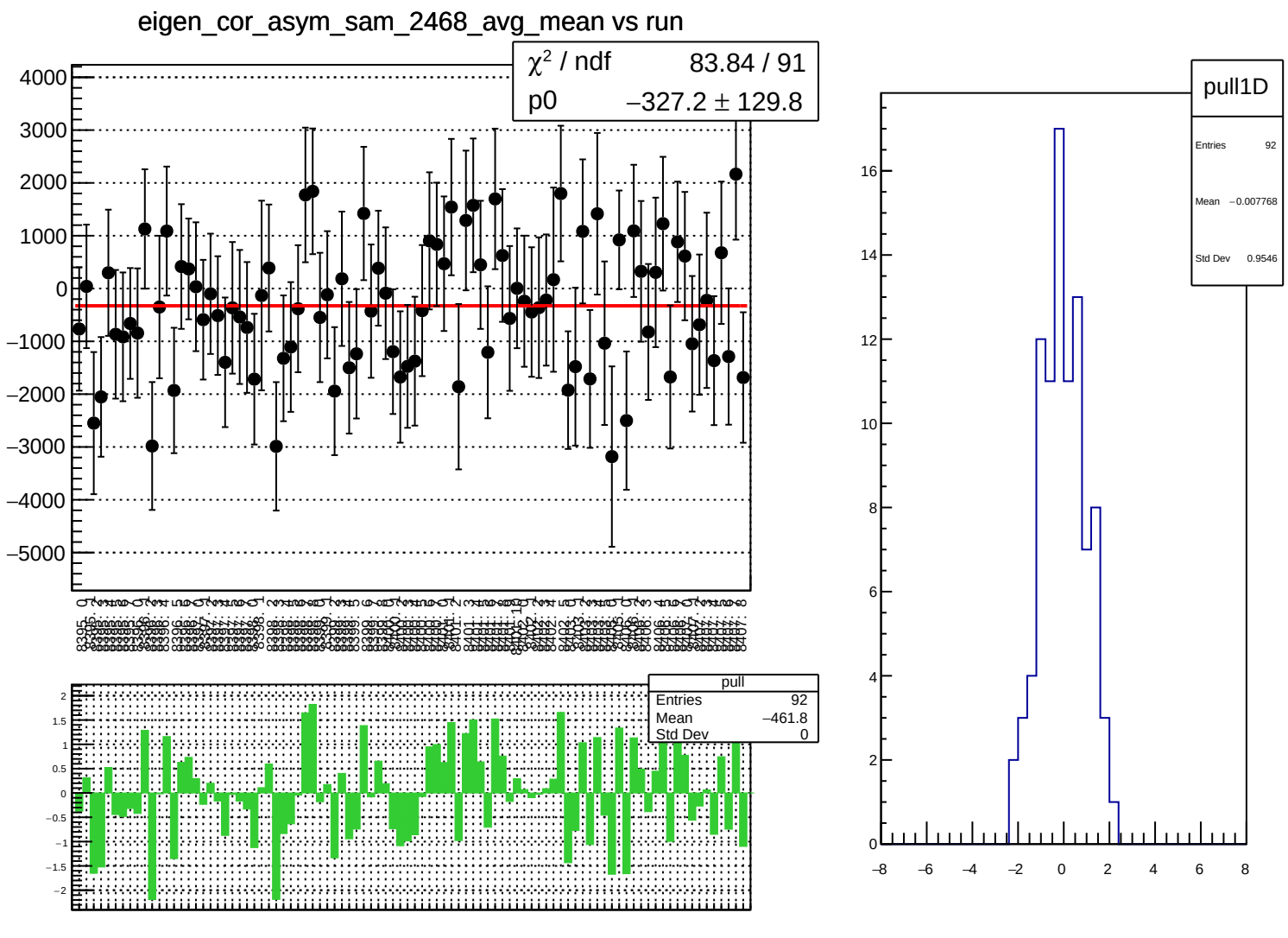

pull1D
Entries 92
Mean −0.007768
Std Dev 0.9546

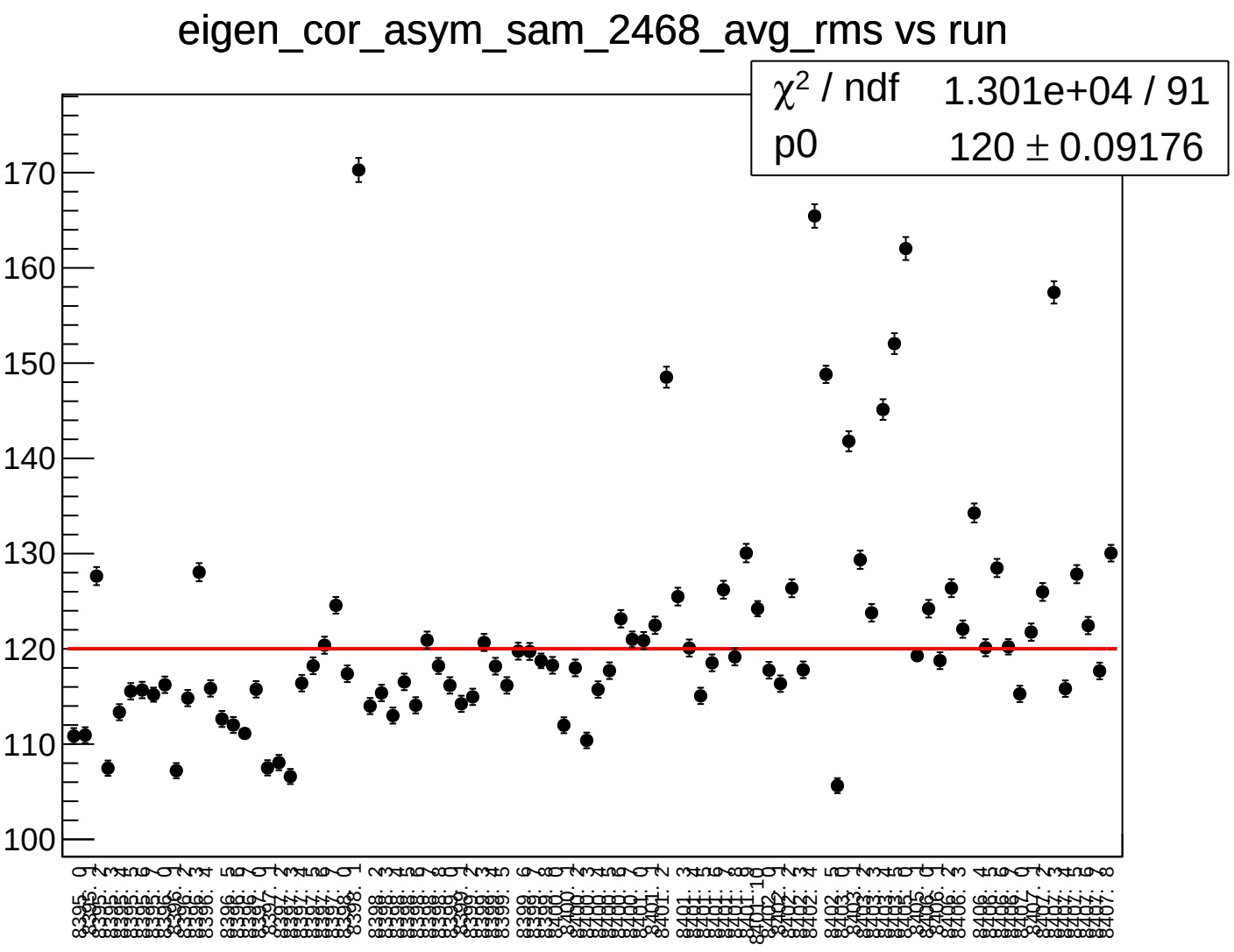

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.301e+04 / 91
p0 120 ± 0.09176
170
160
150
140
130
120
110
100

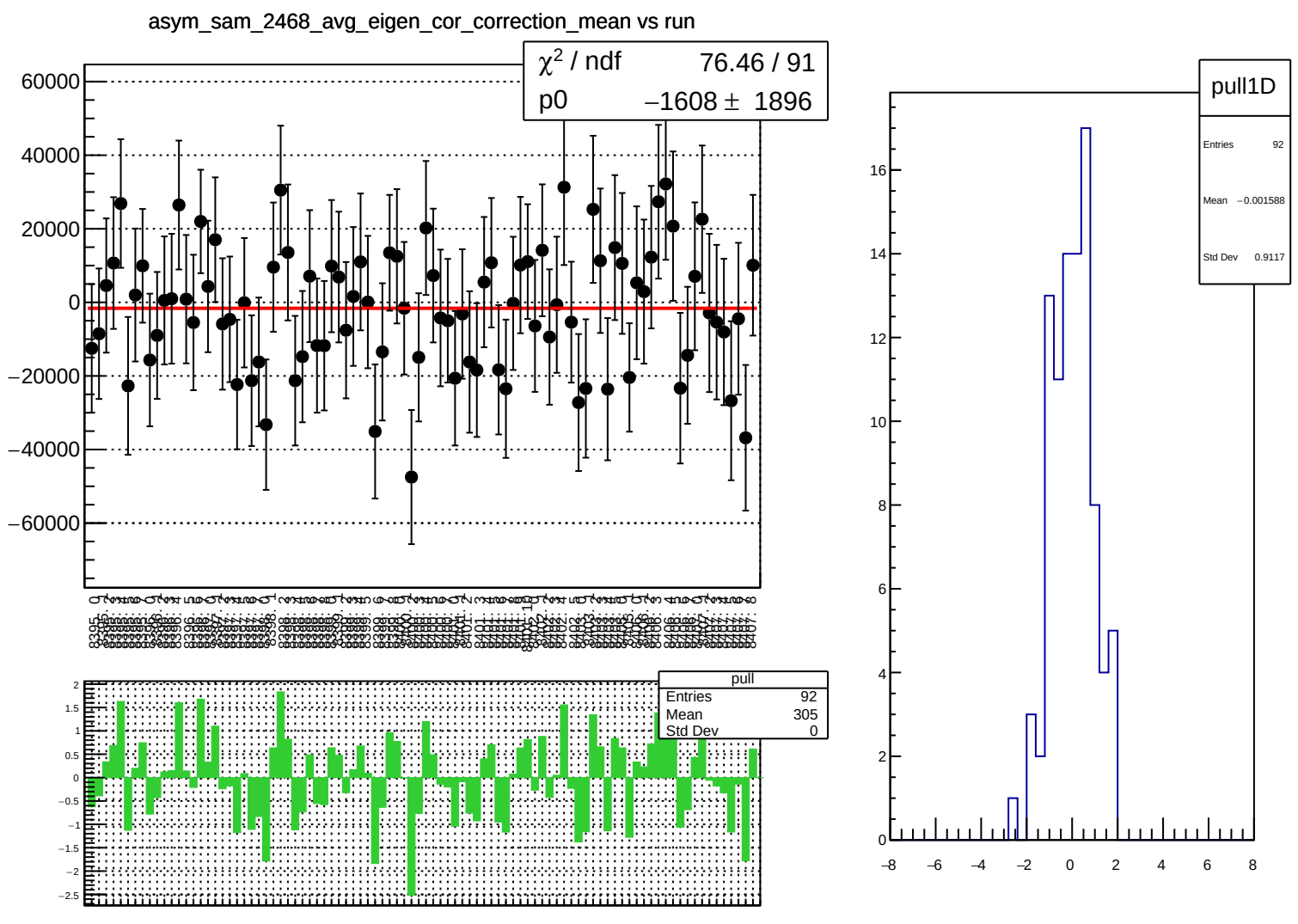

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 76.46 / 91
p0 −1608 ± 1896
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 305
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

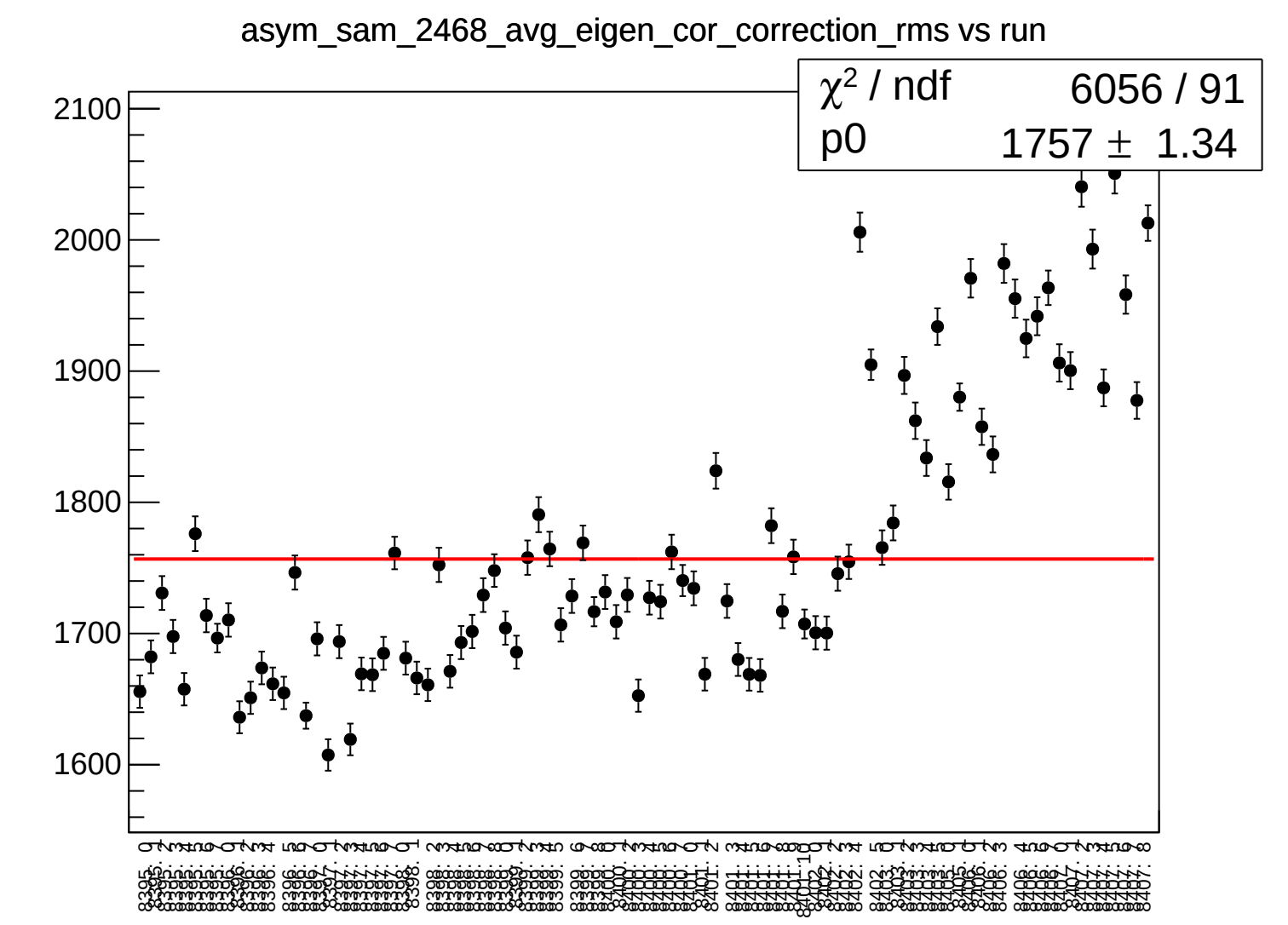

pull1D
Entries 92
Mean −0.001588
Std Dev 0.9117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

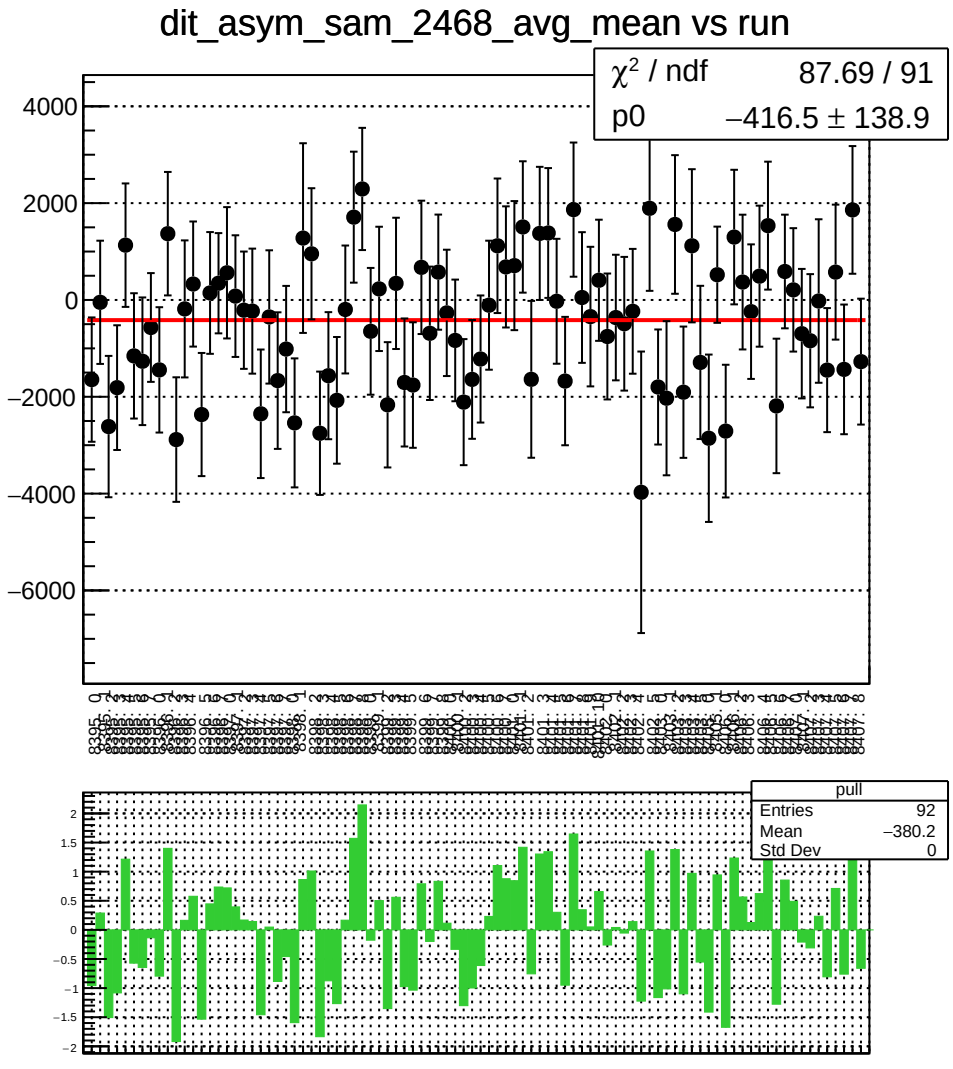

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 6056 / 91
p0 1757 ± 1.34
2100
2000
1900
1800
1700
1600

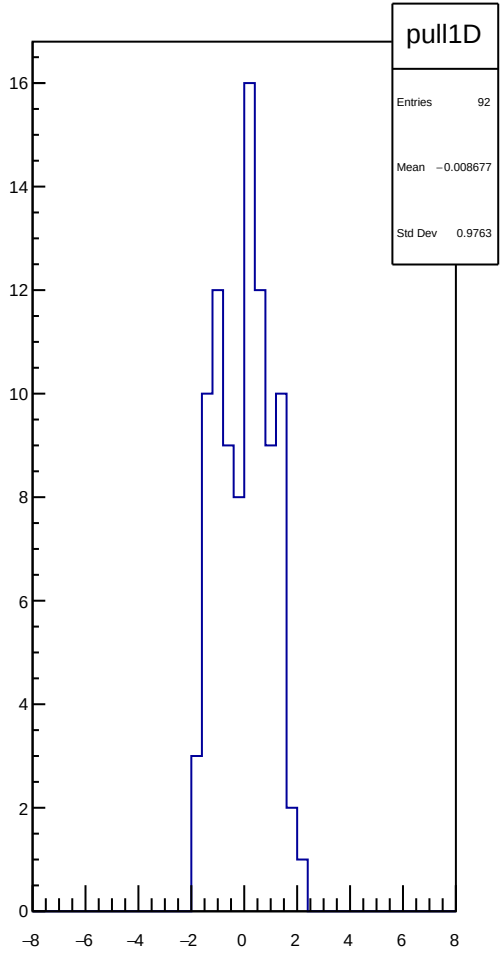

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 83.84 / 91
p0 −327.2 ± 129.8
pull
Entries 92
Mean −461.8
Std Dev 0
pull1D
Entries 92
Mean −0.007768
Std Dev 0.9546

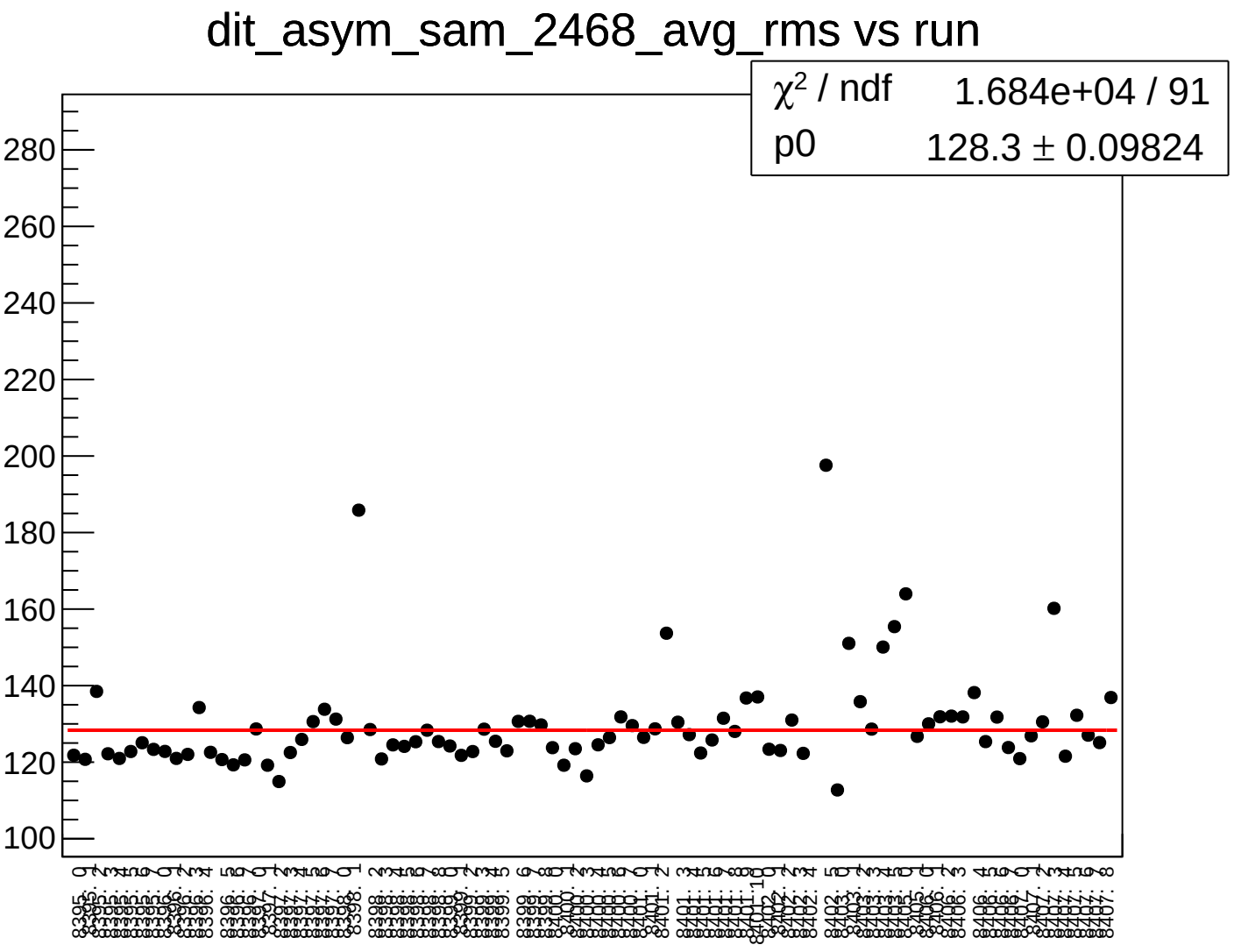

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 1.301e+04 / 91
p0 120 ± 0.09176
170
160
150
140
130
120
110
100

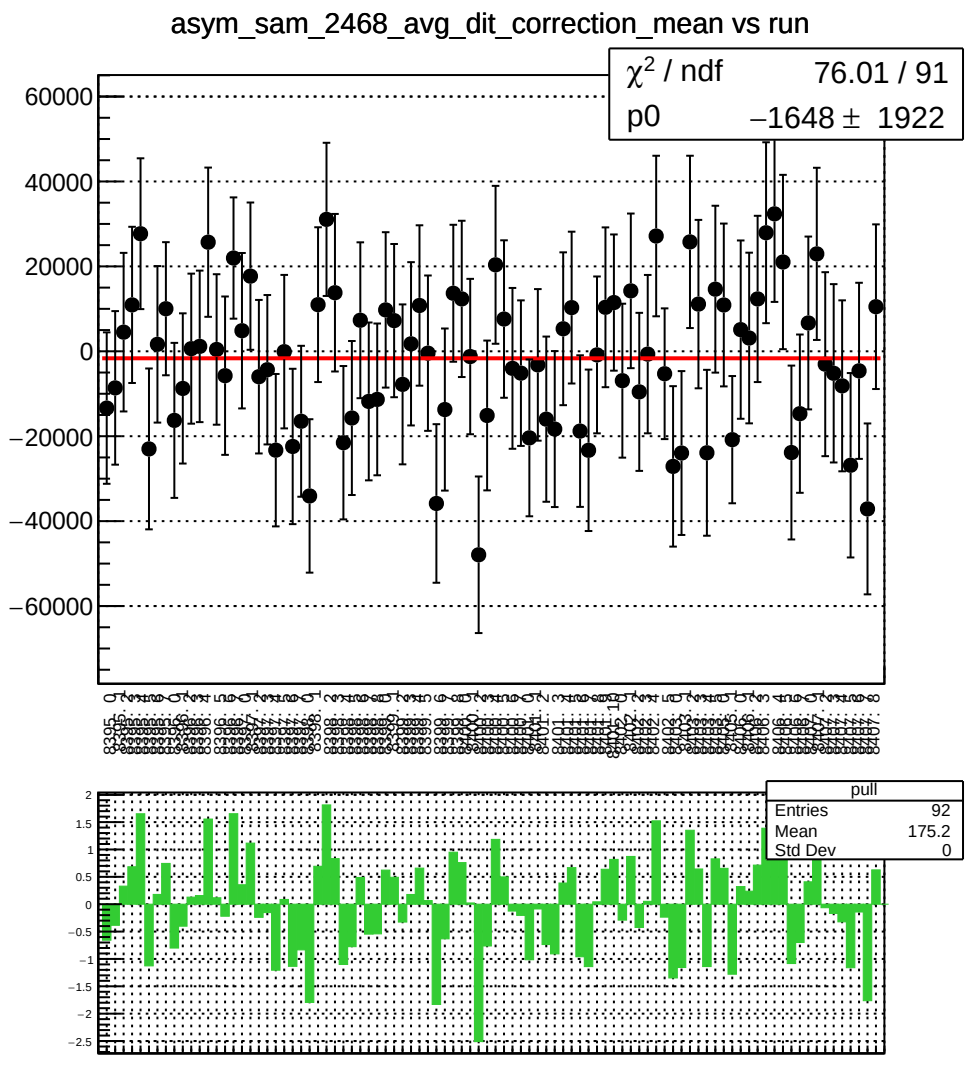

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 76.46 / 91
p0 −1608 ± 1896
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 305
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.001588
Std Dev 0.9117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

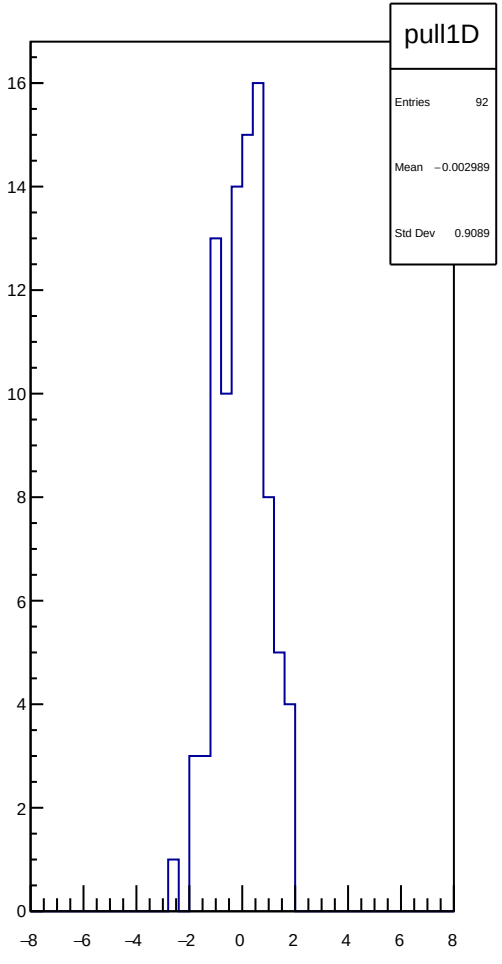

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 6056 / 91
p0 1757 ± 1.34
2100
2000
1900
1800
1700
1600

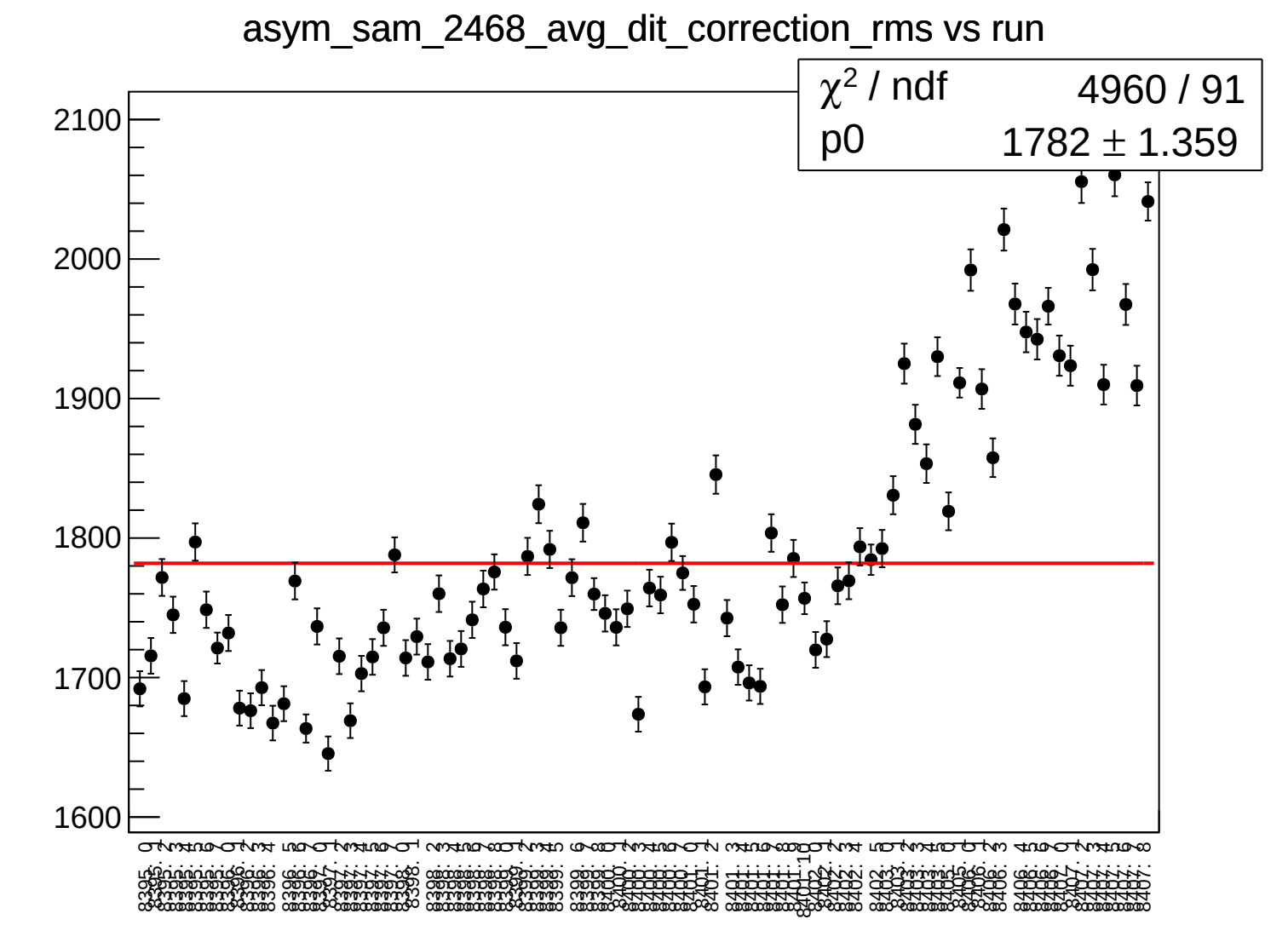

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 87.69 / 91
p0 −416.5 ± 138.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −380.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

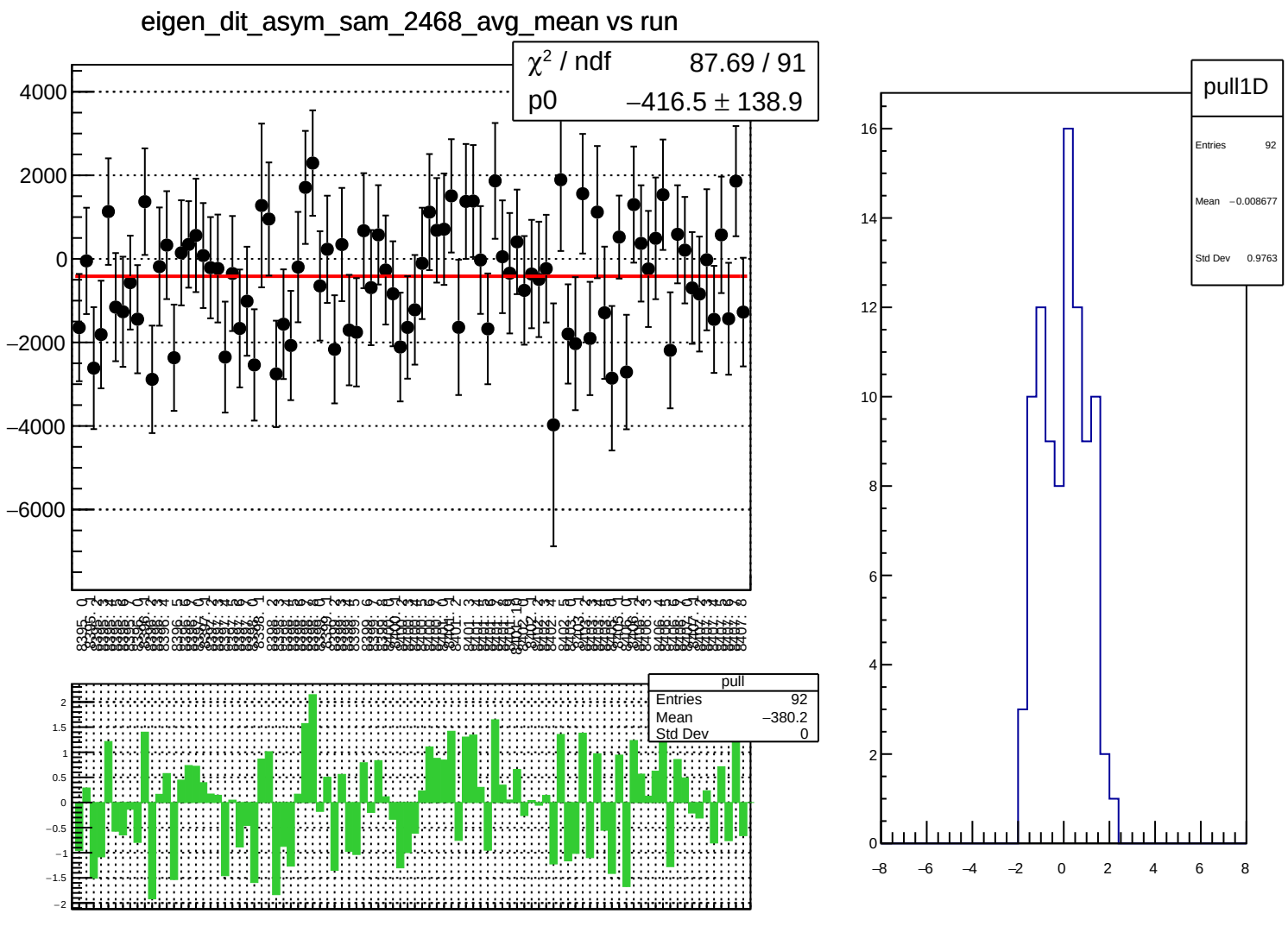

pull1D
Entries 92
Mean −0.008677
Std Dev 0.9763
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

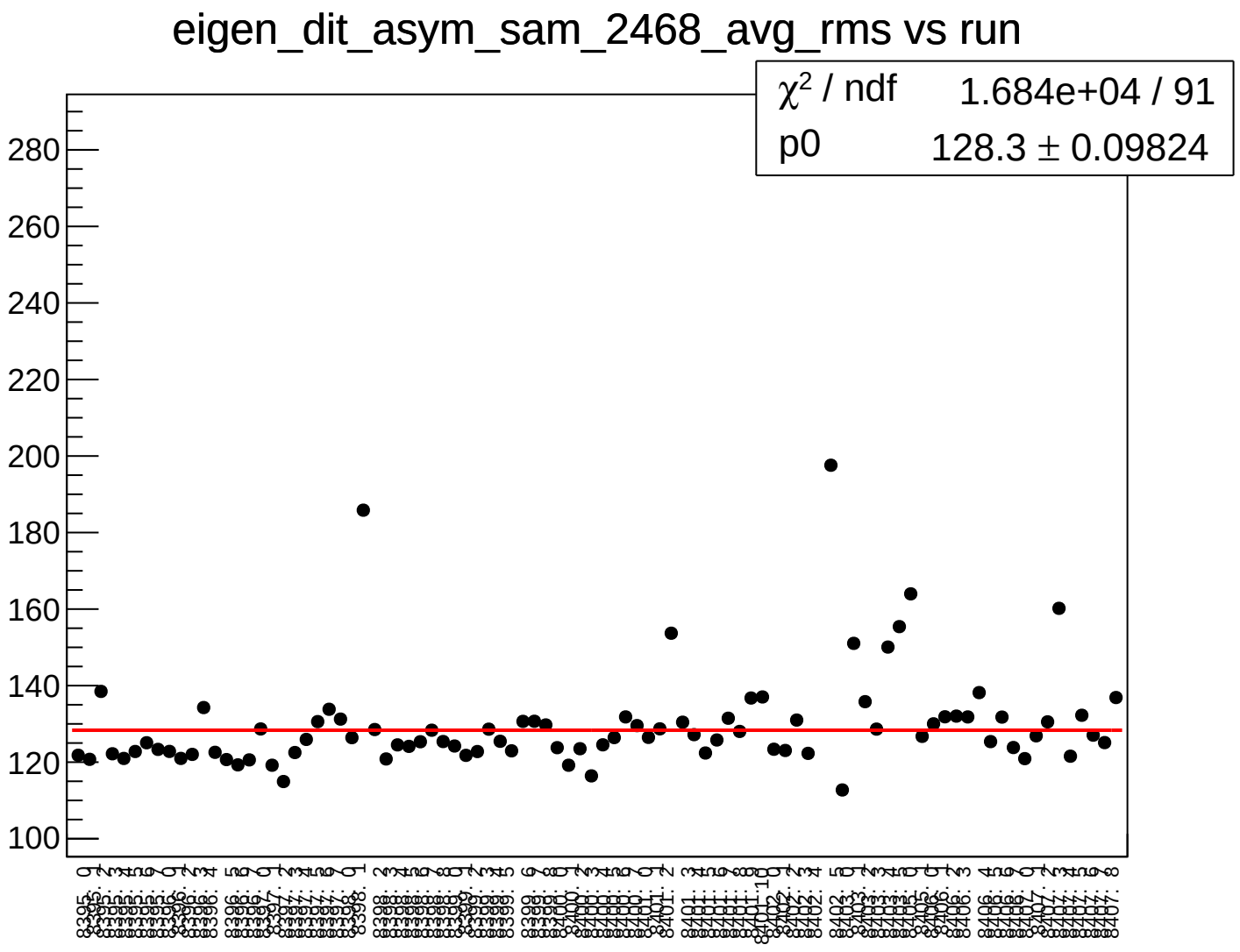

dit_asym_sam_2468_avg_rms vs run
$\chi^2$ / ndf 1.684e+04 / 91
p0 128.3 ± 0.09824
280
260
240
220
200
180
160
140
120
100

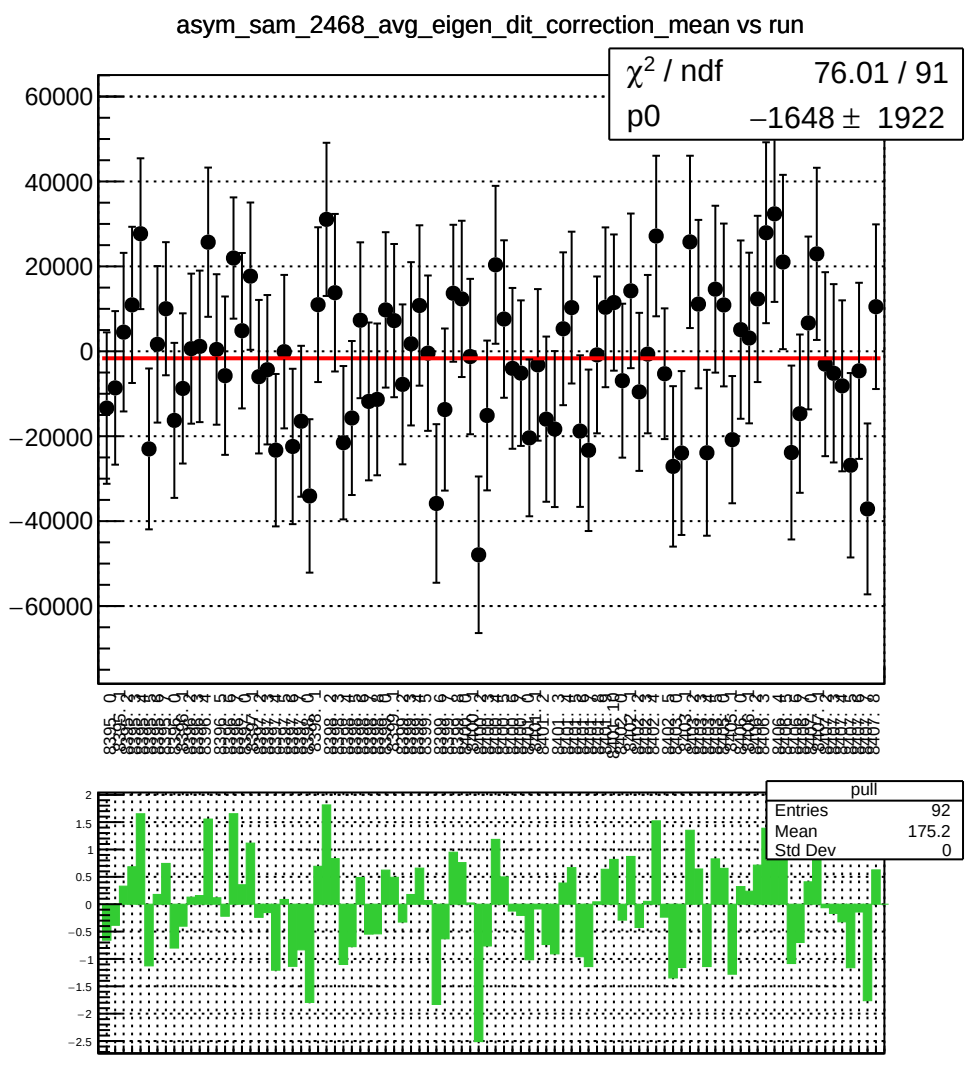

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 76.01 / 91
p0 −1648 ± 1922
pull
Entries 92
Mean 175.2
Std Dev 0

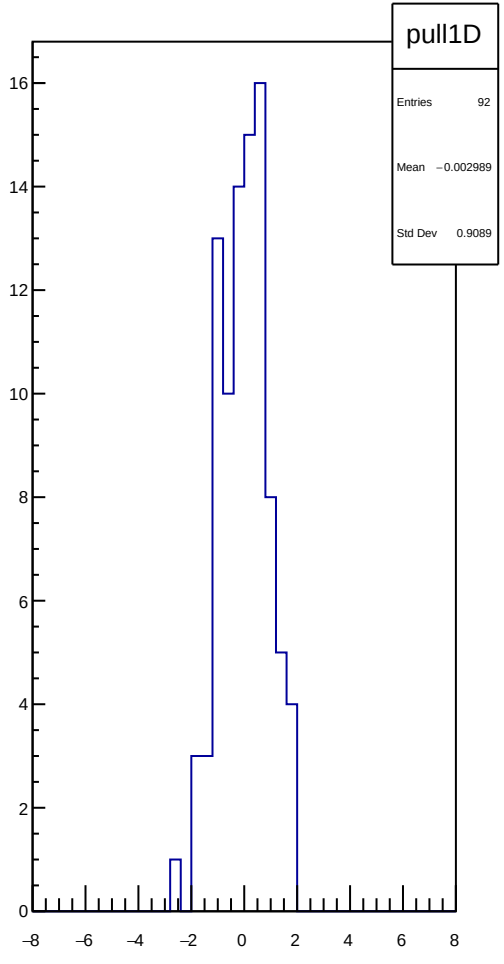

pull1D
Entries 92
Mean −0.002989
Std Dev 0.9089

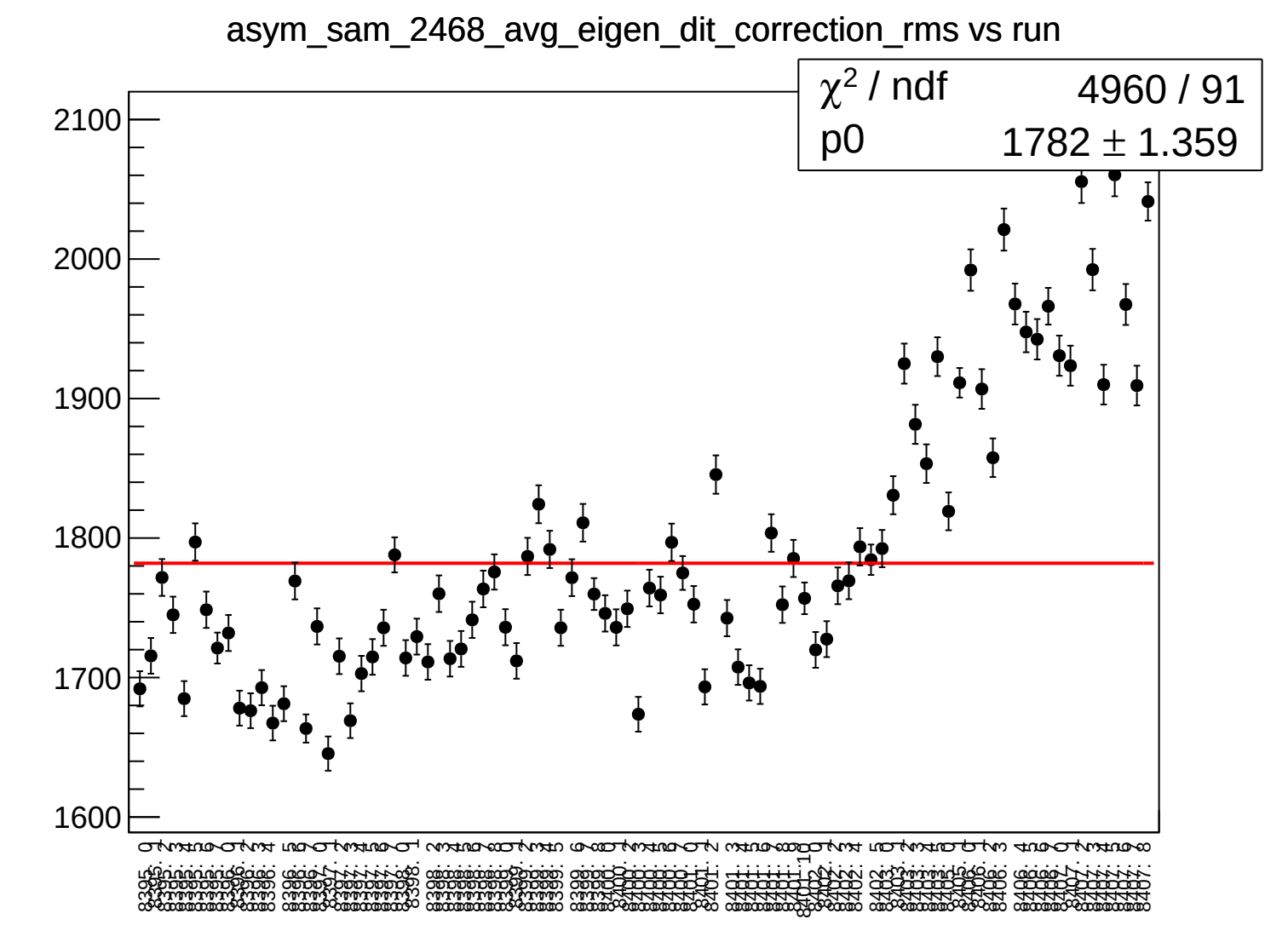

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 4960 / 91
p0 1782 ± 1.359
2100
2000
1900
1800
1700
1600

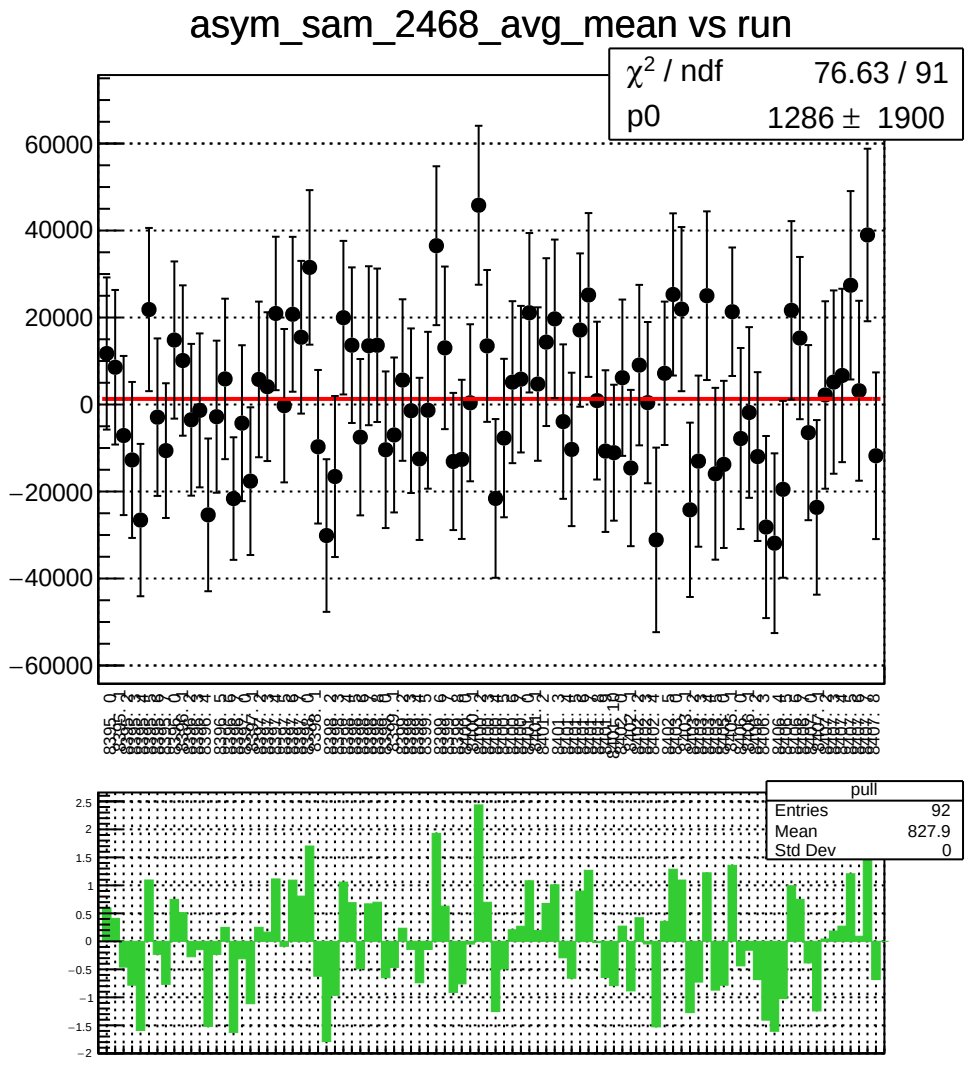

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 87.69 / 91
p0 −416.5 ± 138.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −380.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.008677
Std Dev 0.9763
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

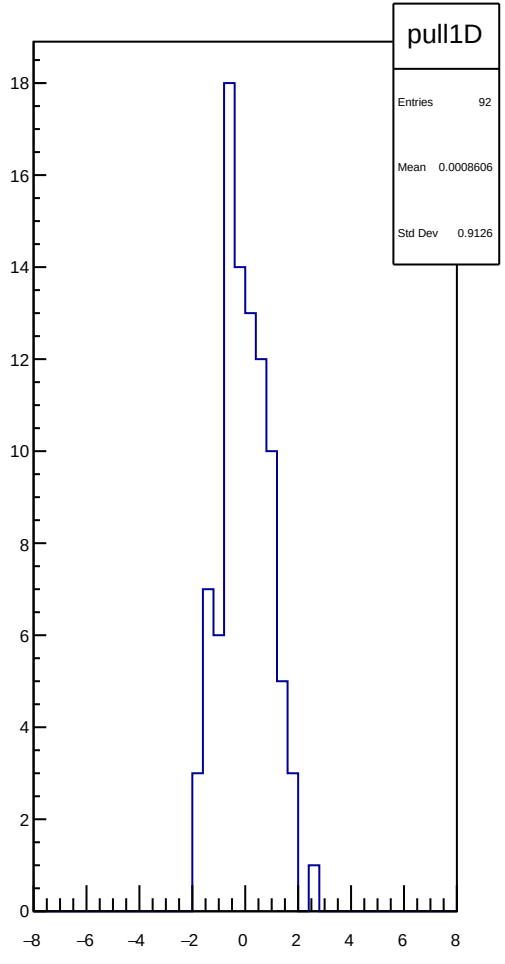

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.684e+04 / 91
p0 128.3 ± 0.09824
280
260
240
220
200
180
160
140
120
100

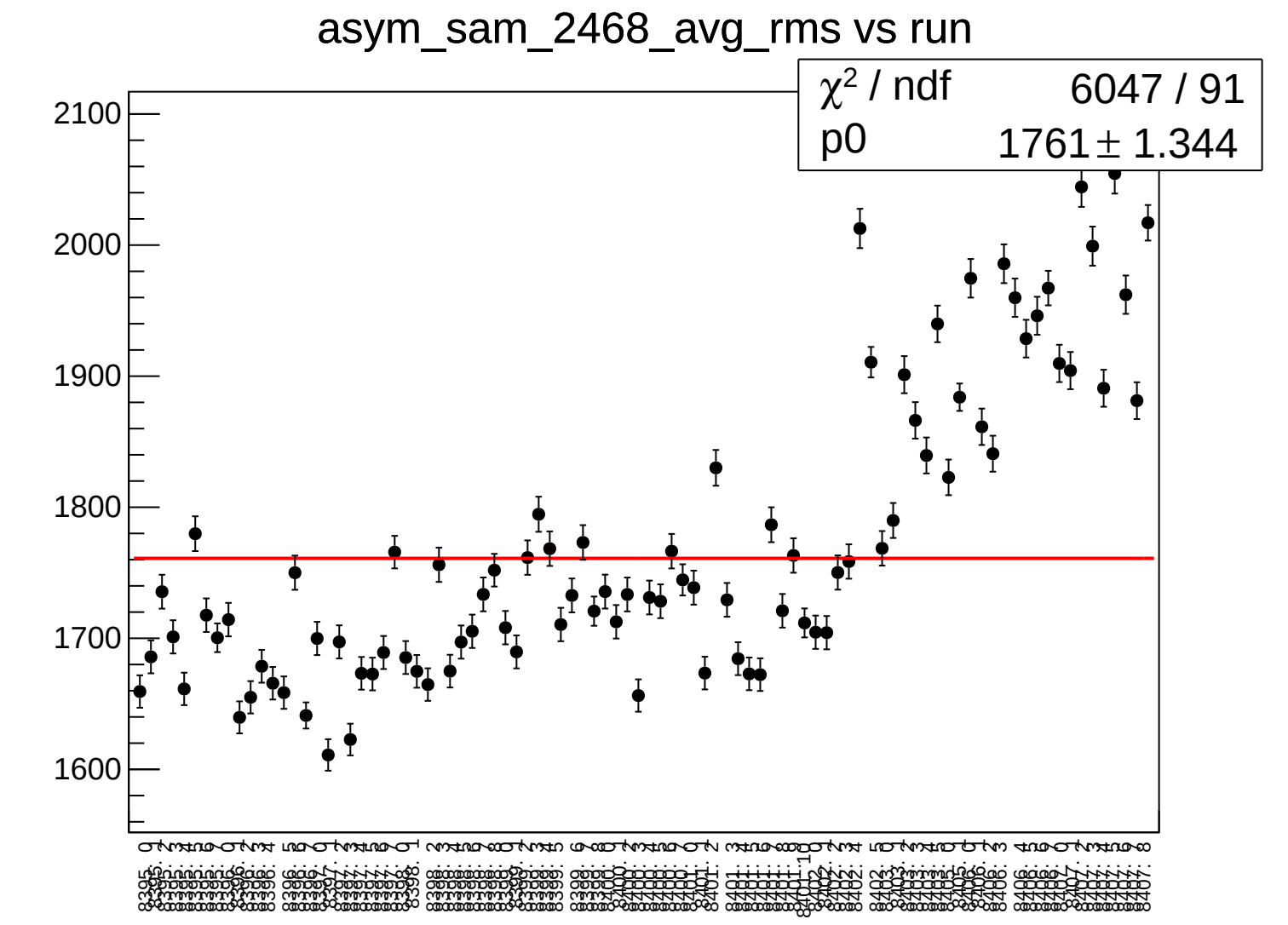

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 76.01 / 91
p0 −1648 ± 1922
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 92
Mean 175.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

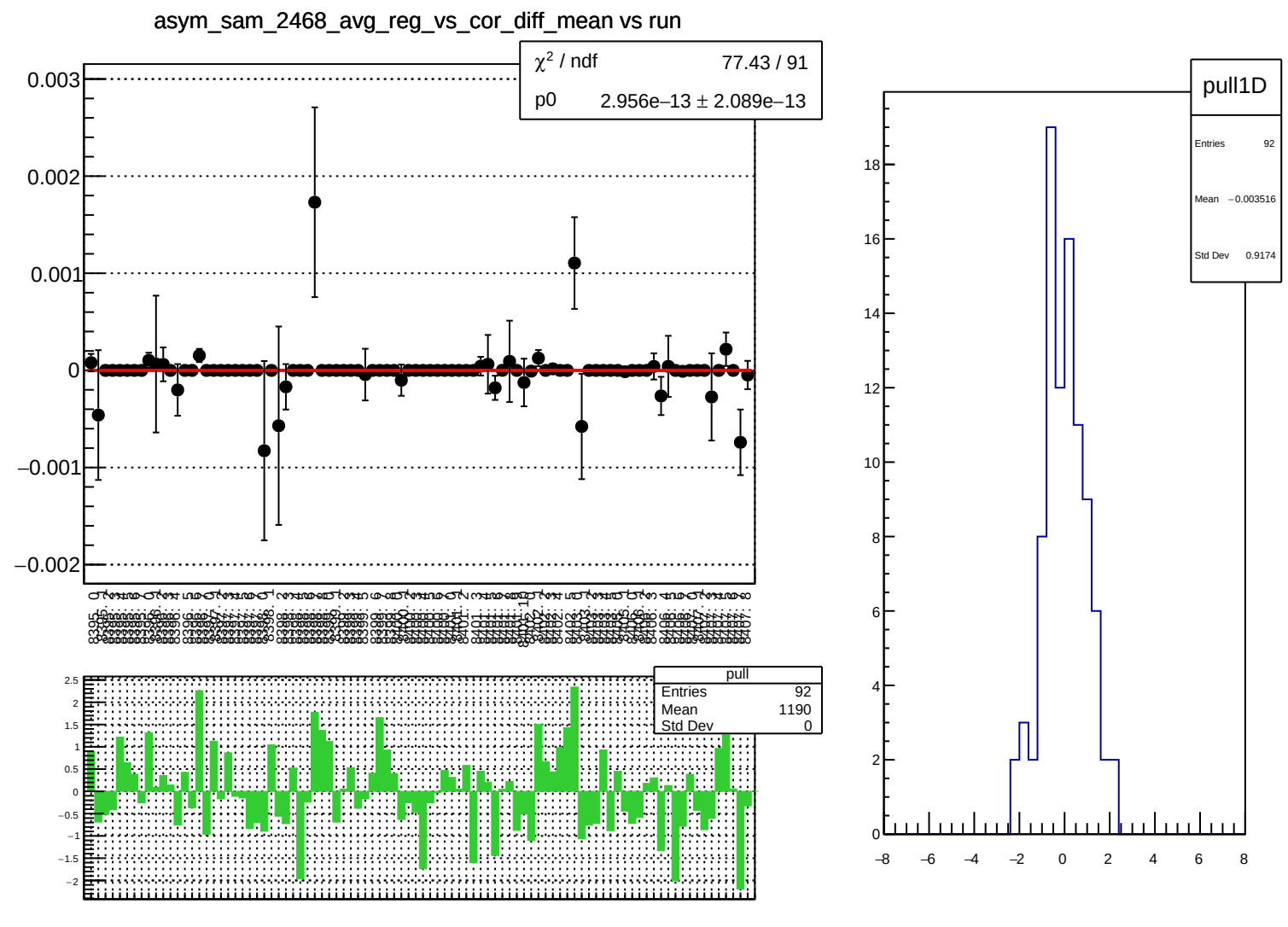

pull1D
Entries 92
Mean −0.002989
Std Dev 0.9089
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

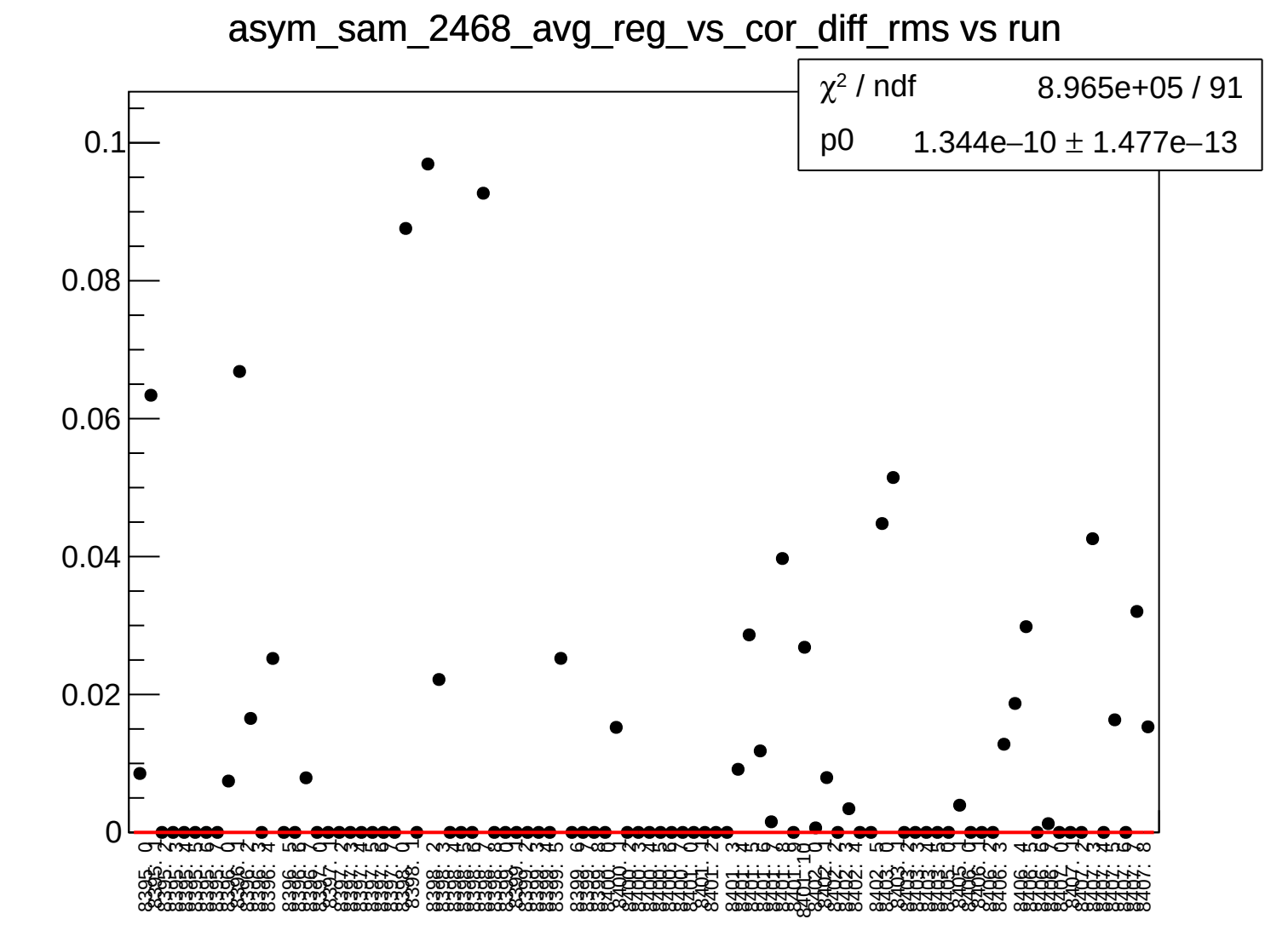

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 4960 / 91
p0 1782 ± 1.359
2100
2000
1900
1800
1700
1600

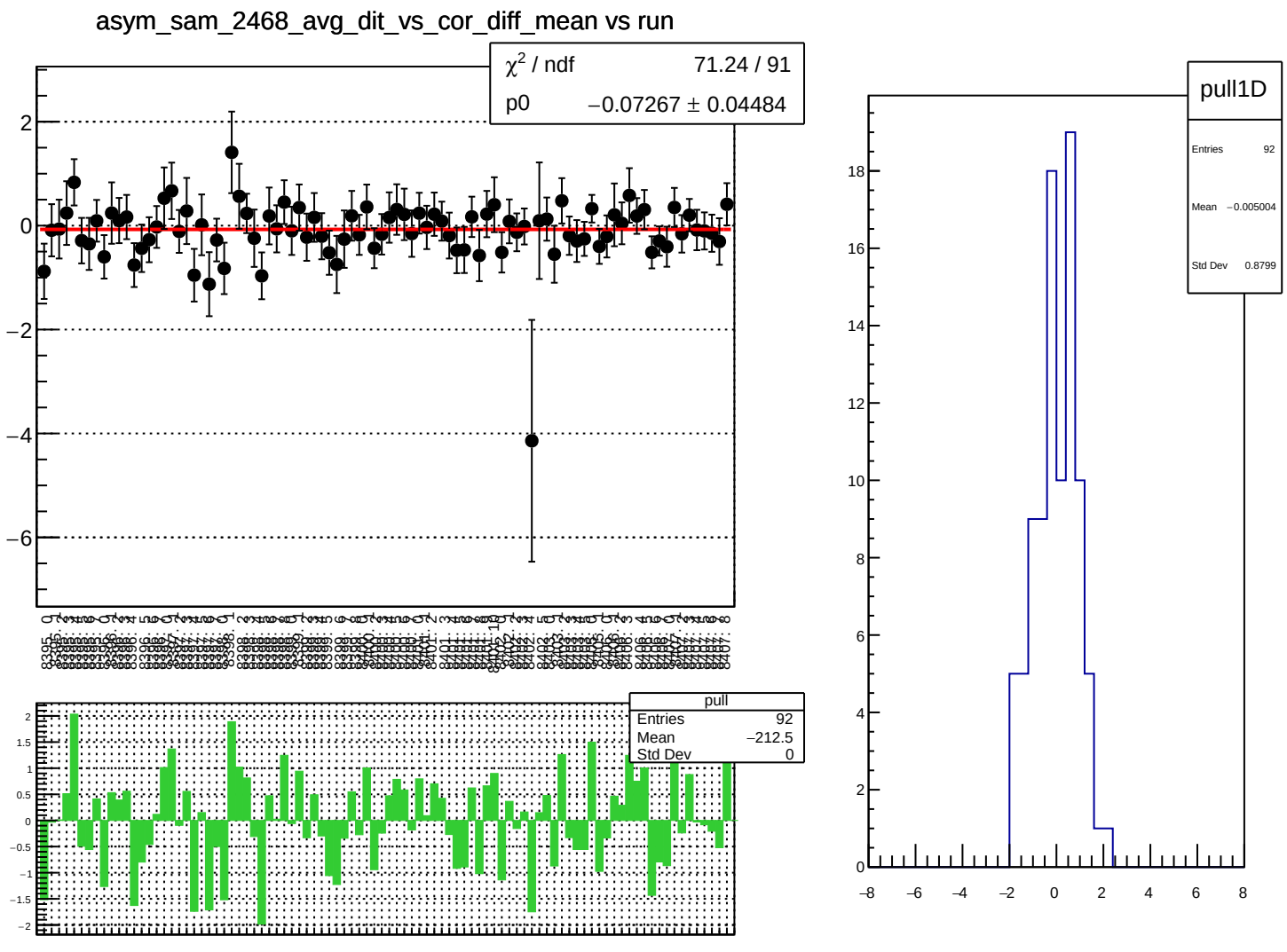

asym_sam_2468_avg_mean vs run
χ² / ndf 76.63 / 91
p0 1286 ± 1900
pull
Entries 92
Mean 827.9
Std Dev 0

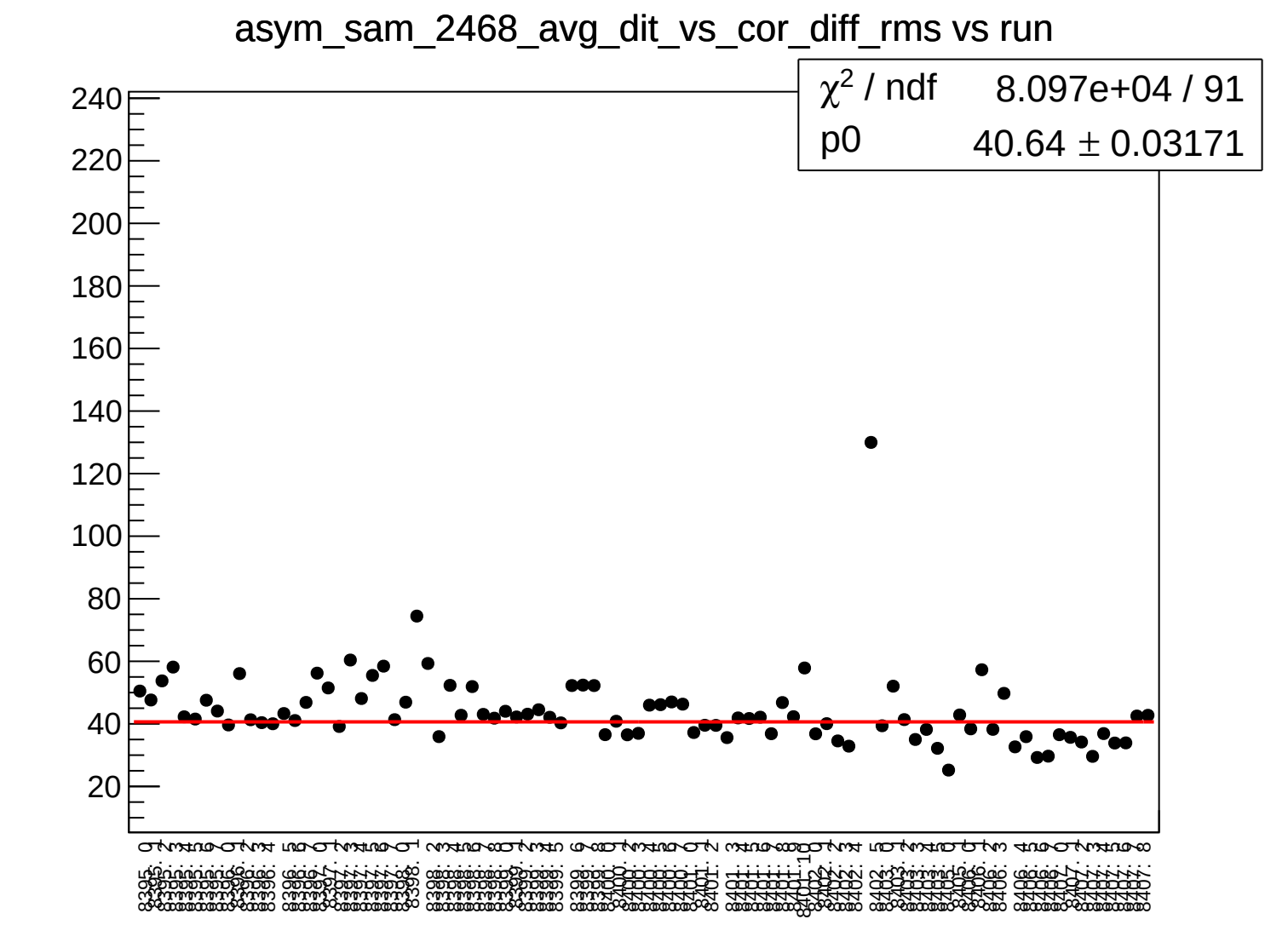

pull1D
Entries 92
Mean 0.0008606
Std Dev 0.9126

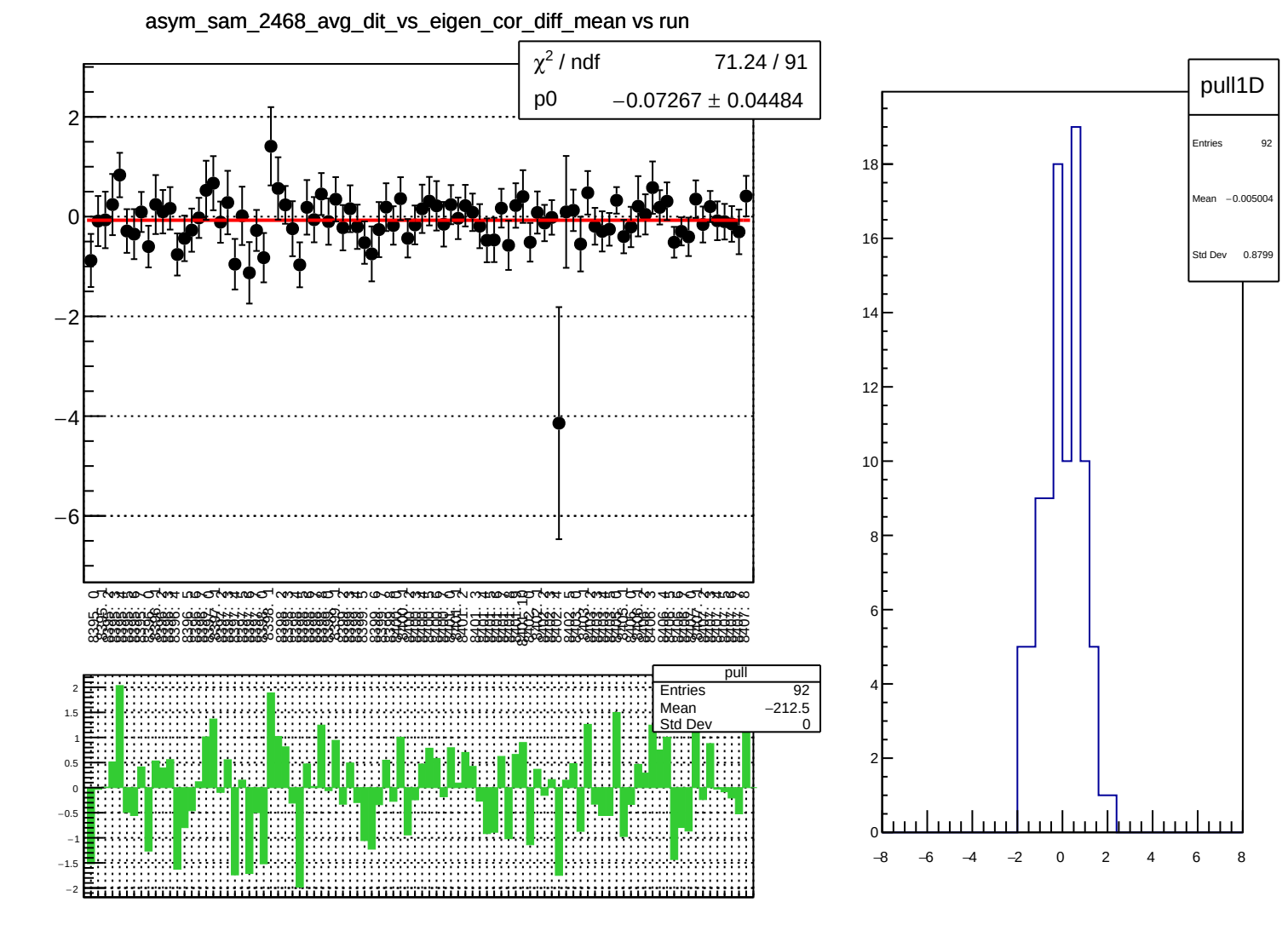

asym_sam_2468_avg_rms vs run
χ² / ndf 6047 / 91
p0 1761 ± 1.344
2100
2000
1900
1800
1700
1600

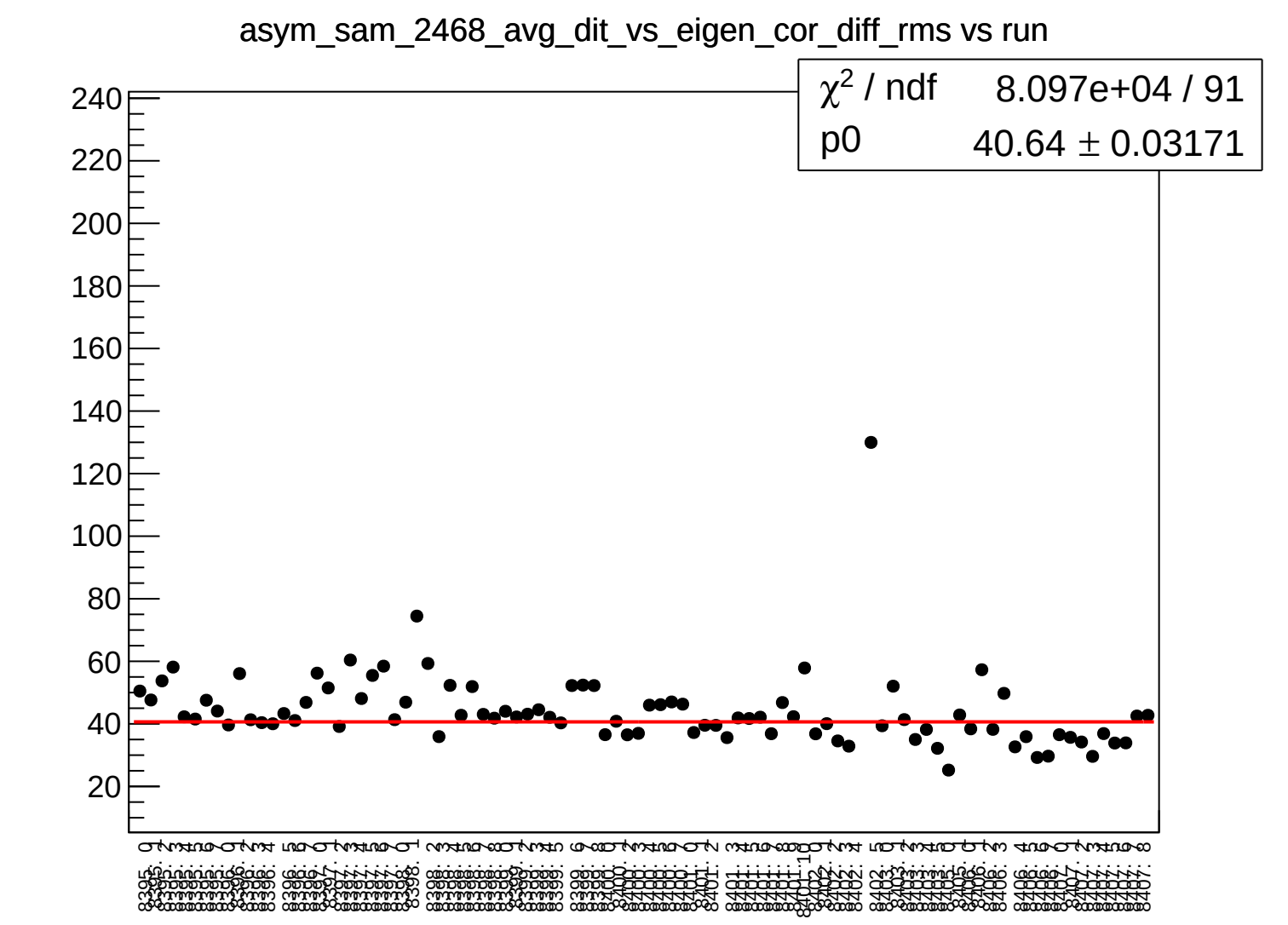

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.43 / 91
p0 2.956e−13 ± 2.089e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 92
Mean 1190
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.003516
Std Dev 0.9174
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

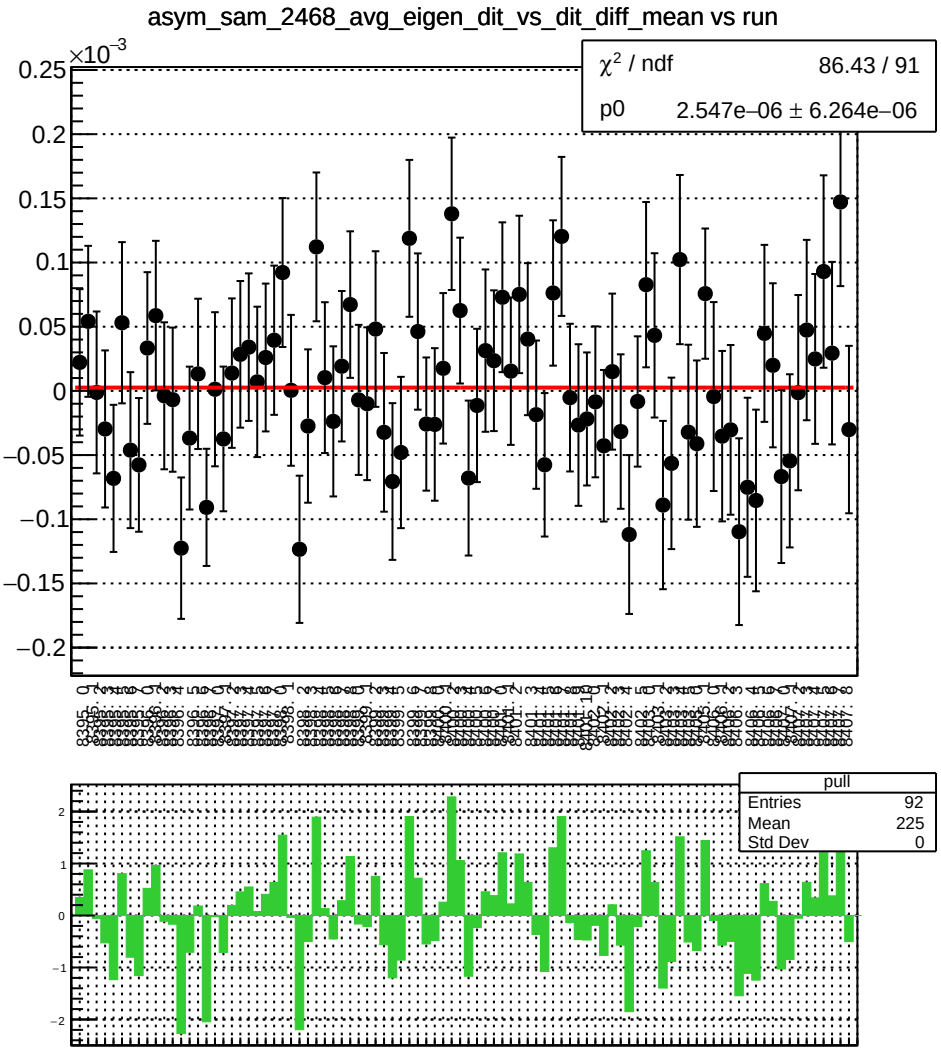

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.965e+05 / 91
p0 1.344e−10 ± 1.477e−13
0.1
0.08
0.06
0.04
0.02
0

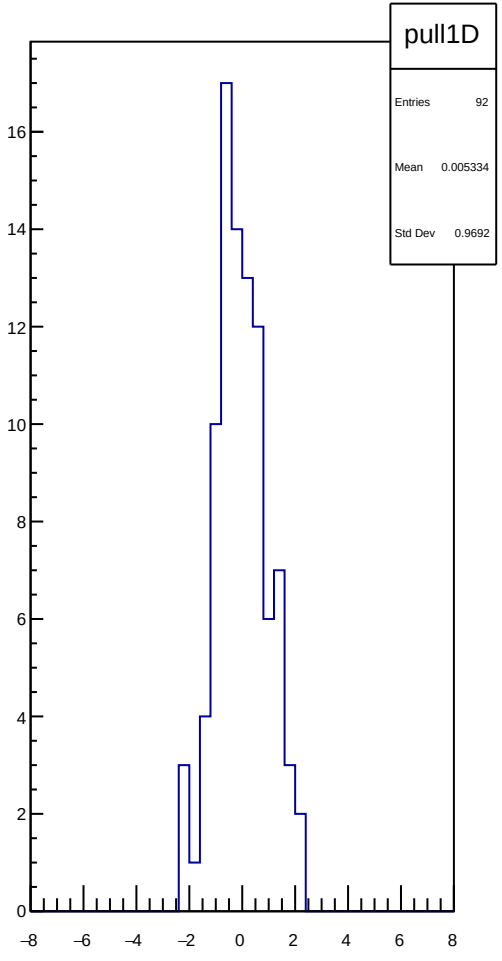

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.24 / 91
p0 −0.07267 ± 0.04484
pull
Entries 92
Mean −212.5
Std Dev 0
pull1D
Entries 92
Mean −0.005004
Std Dev 0.8799

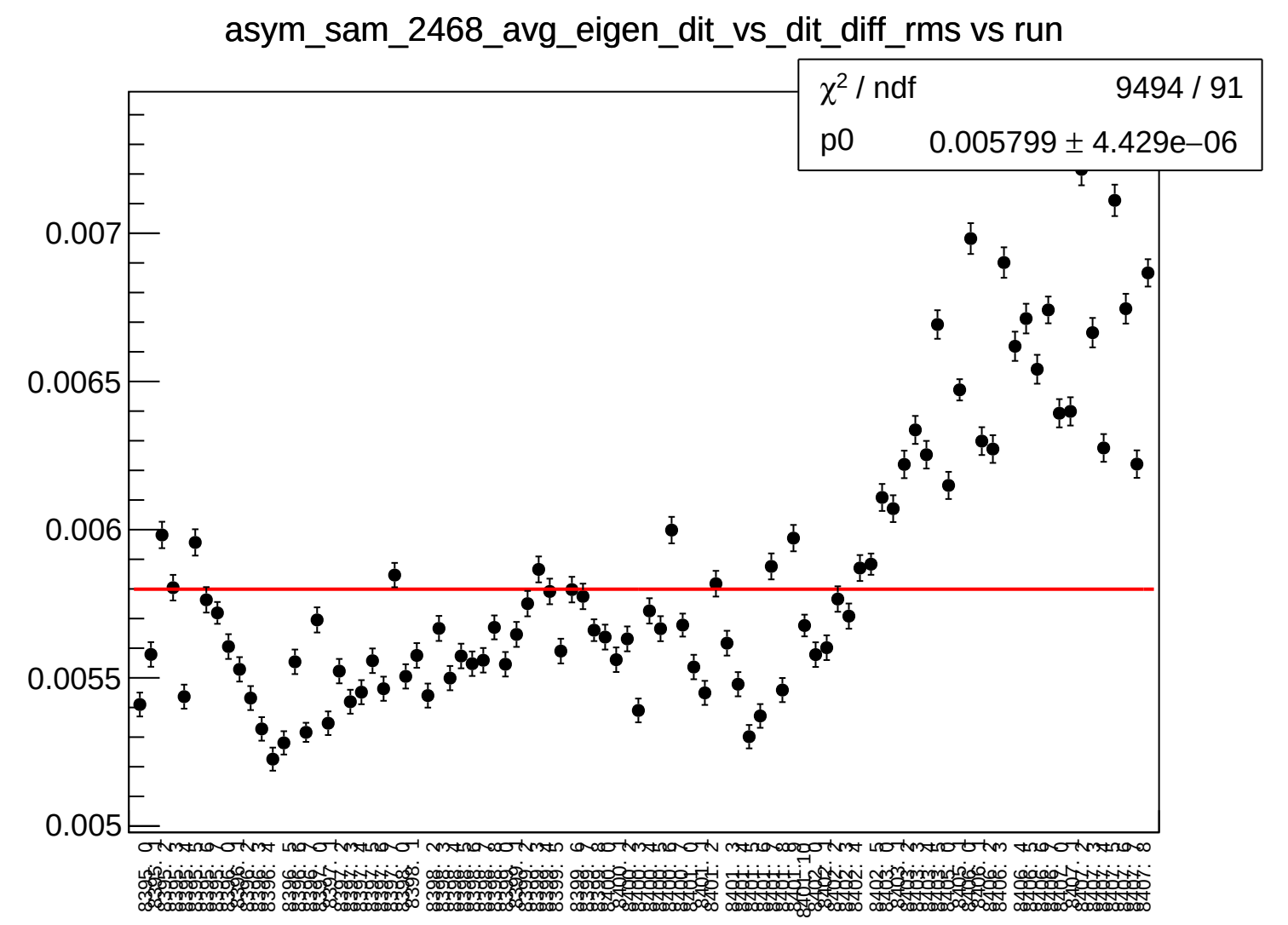

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.097e+04 / 91
p0 40.64 ± 0.03171
240
220
200
180
160
140
120
100
80
60
40
20

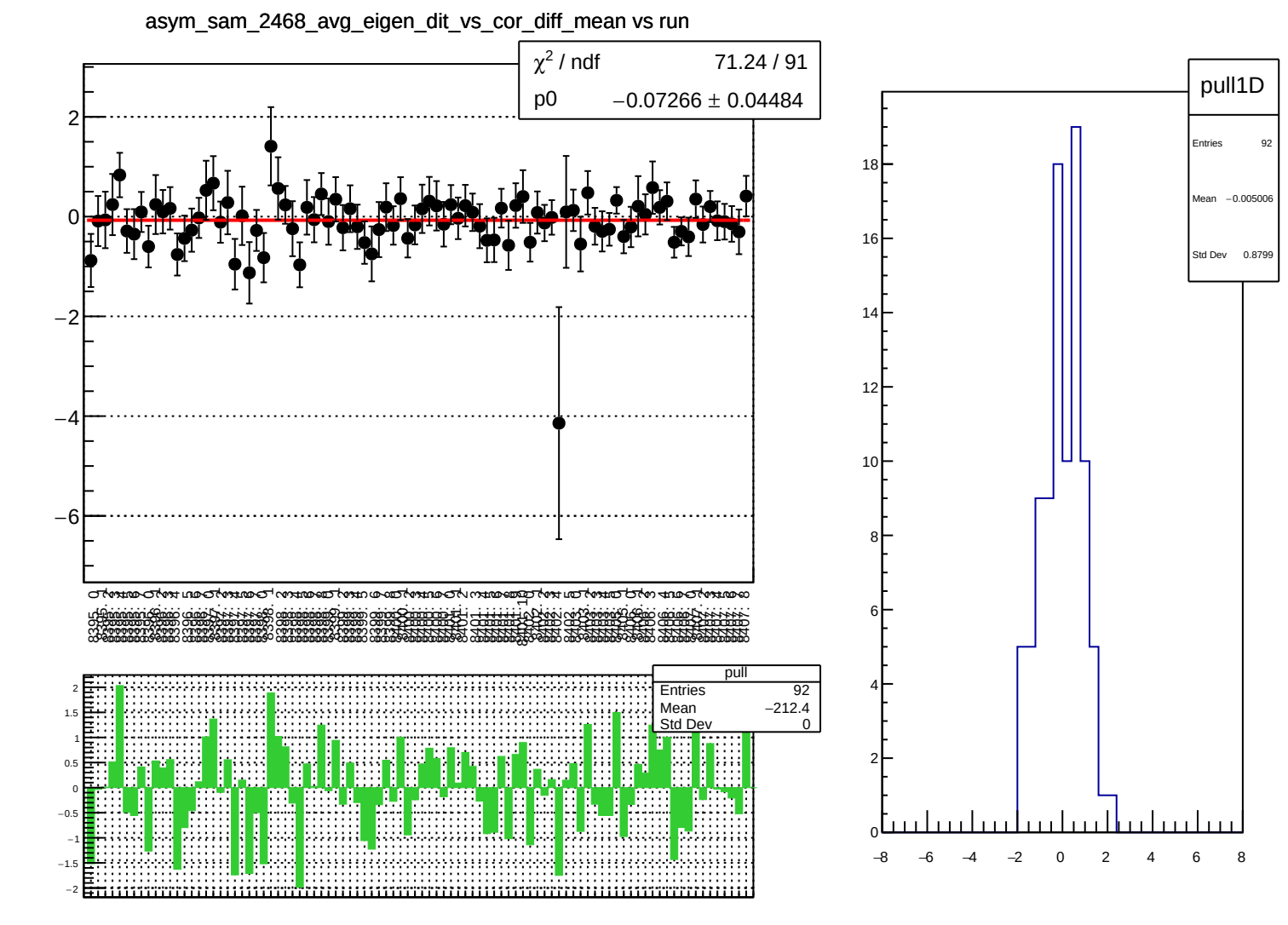

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.24 / 91
p0 −0.07267 ± 0.04484
pull
Entries 92
Mean −212.5
Std Dev 0
pull1D
Entries 92
Mean −0.005004
Std Dev 0.8799

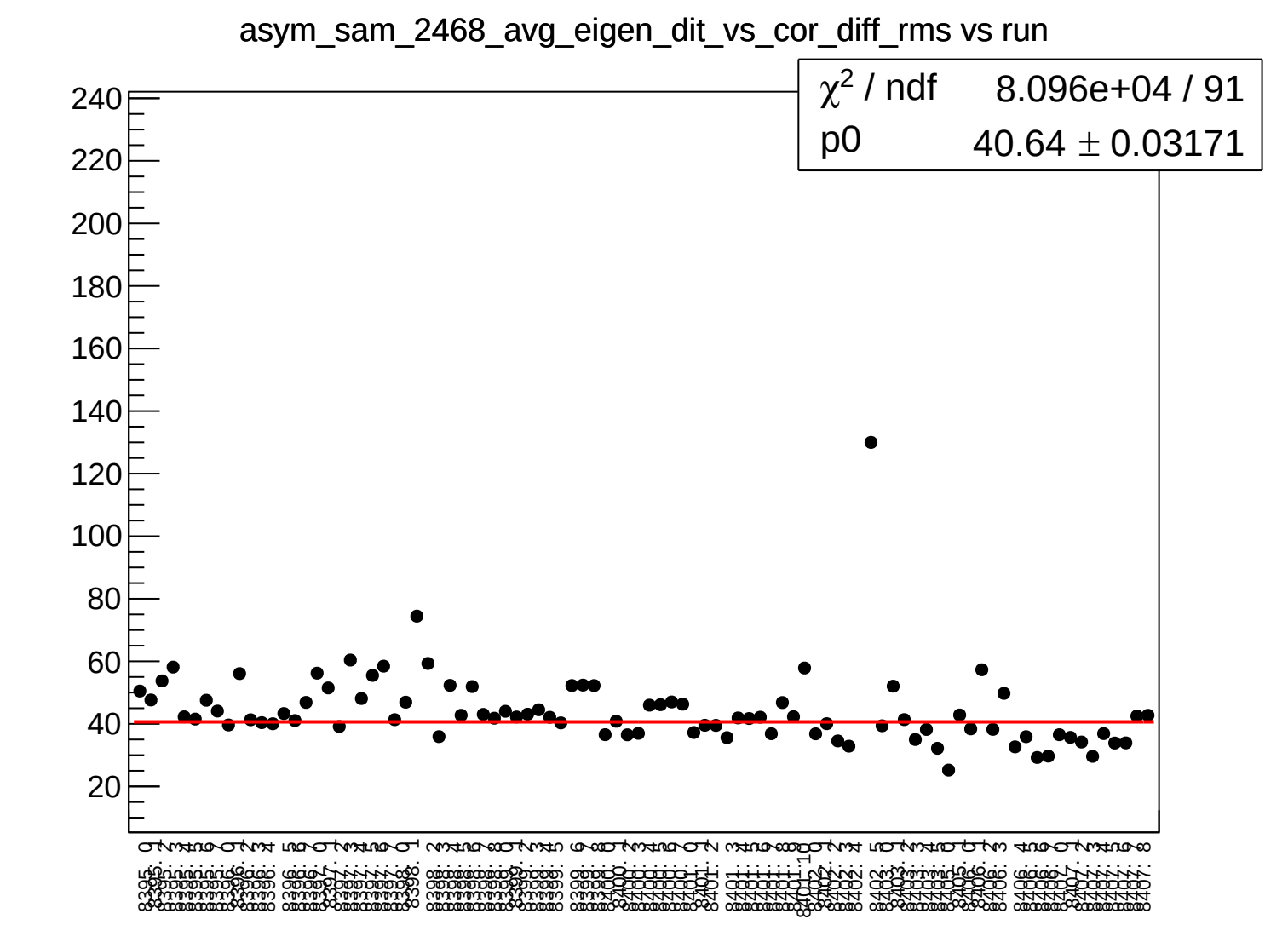

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
$\chi^2$ / ndf 8.097e+04 / 91
p0 40.64 ± 0.03171
240
220
200
180
160
140
120
100
80
60
40
20

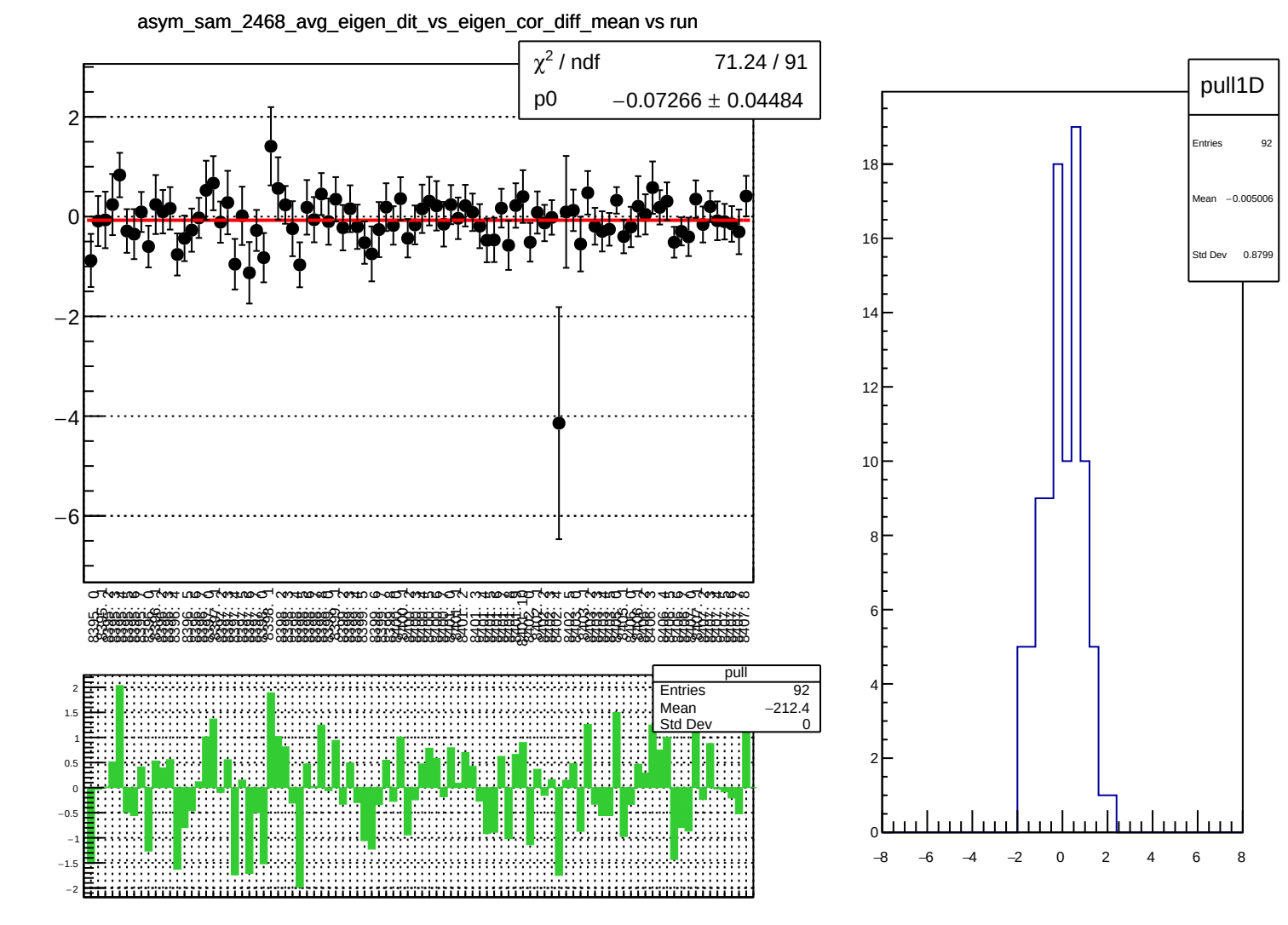

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.43 / 91
p0 2.547e−06 ± 6.264e−06
pull
Entries 92
Mean 225
Std Dev 0

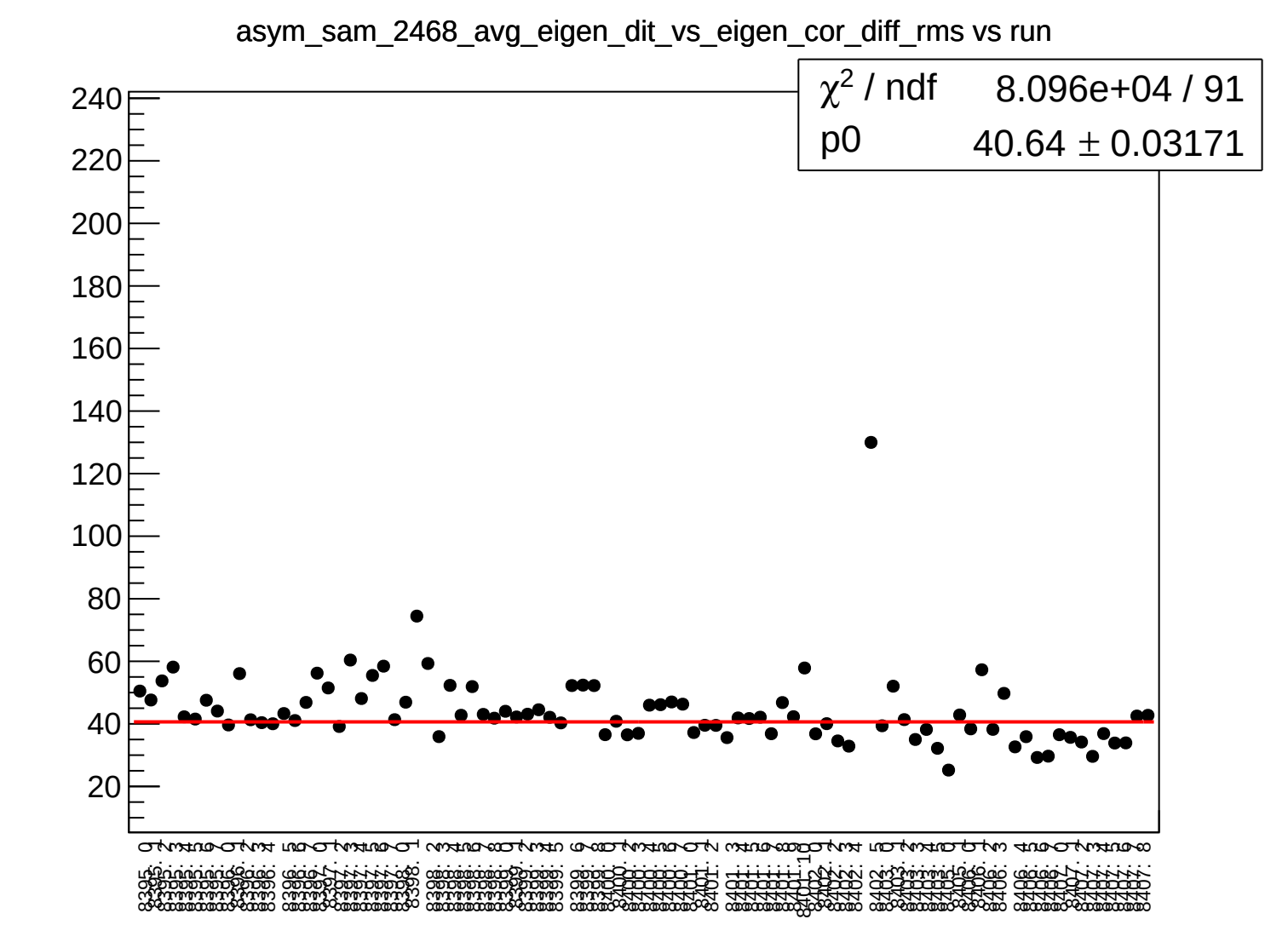

pull1D
Entries 92
Mean 0.005334
Std Dev 0.9692

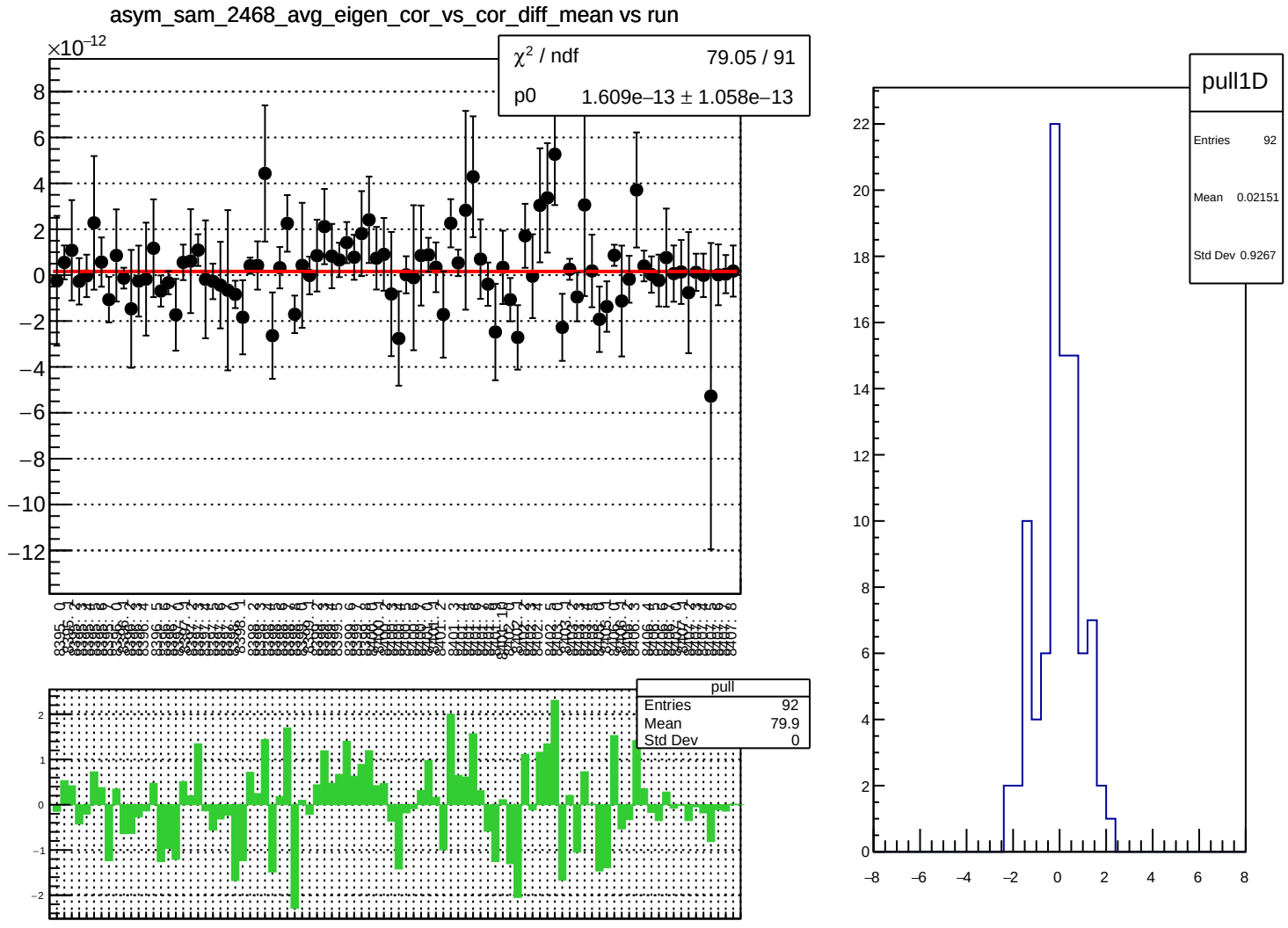

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9494 / 91
p0 0.005799 ± 4.429e−06
0.007
0.0065
0.006
0.0055
0.005

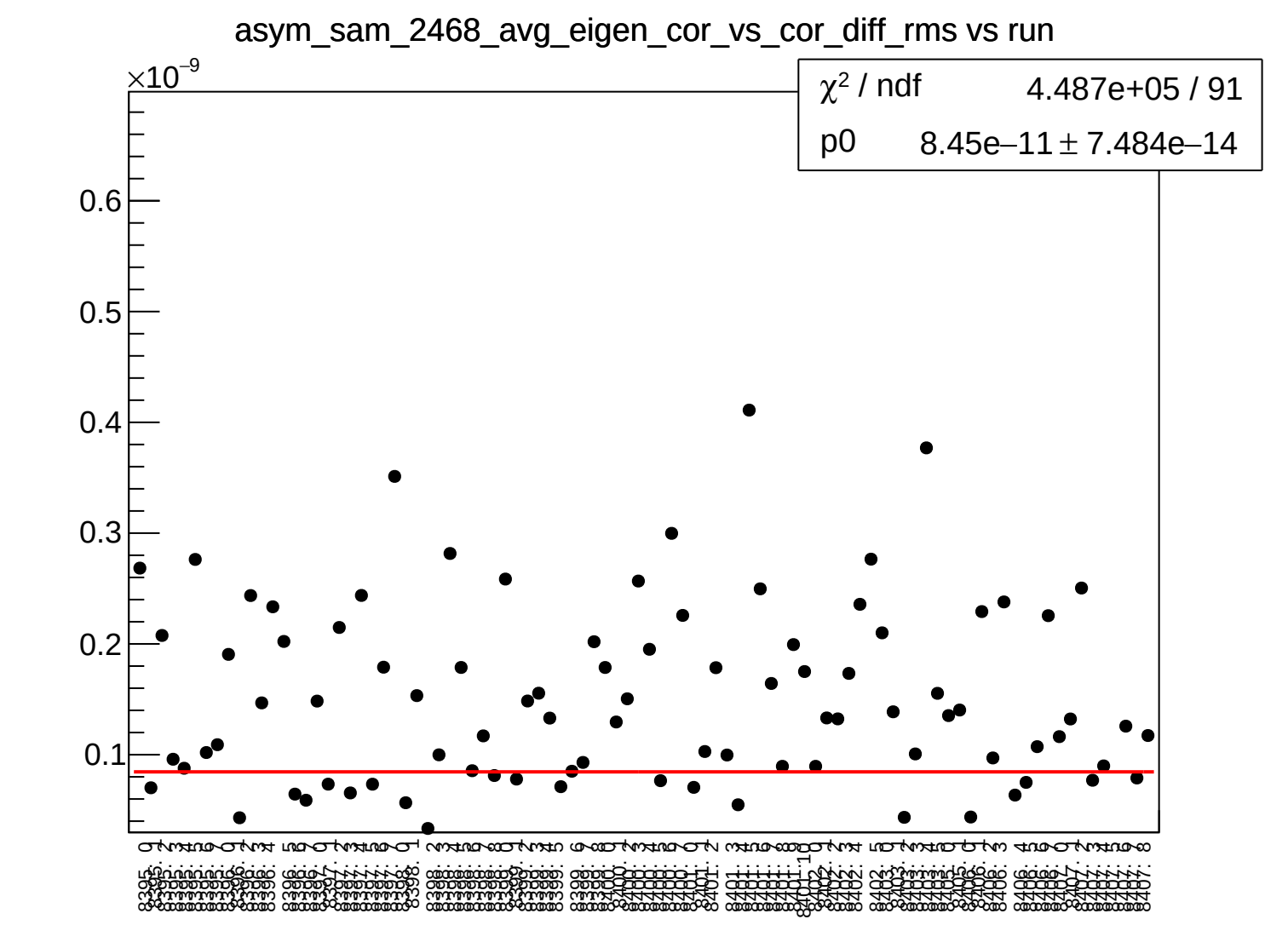

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.24 / 91
p0 −0.07266 ± 0.04484
pull
Entries 92
Mean −212.4
Std Dev 0
pull1D
Entries 92
Mean −0.005006
Std Dev 0.8799

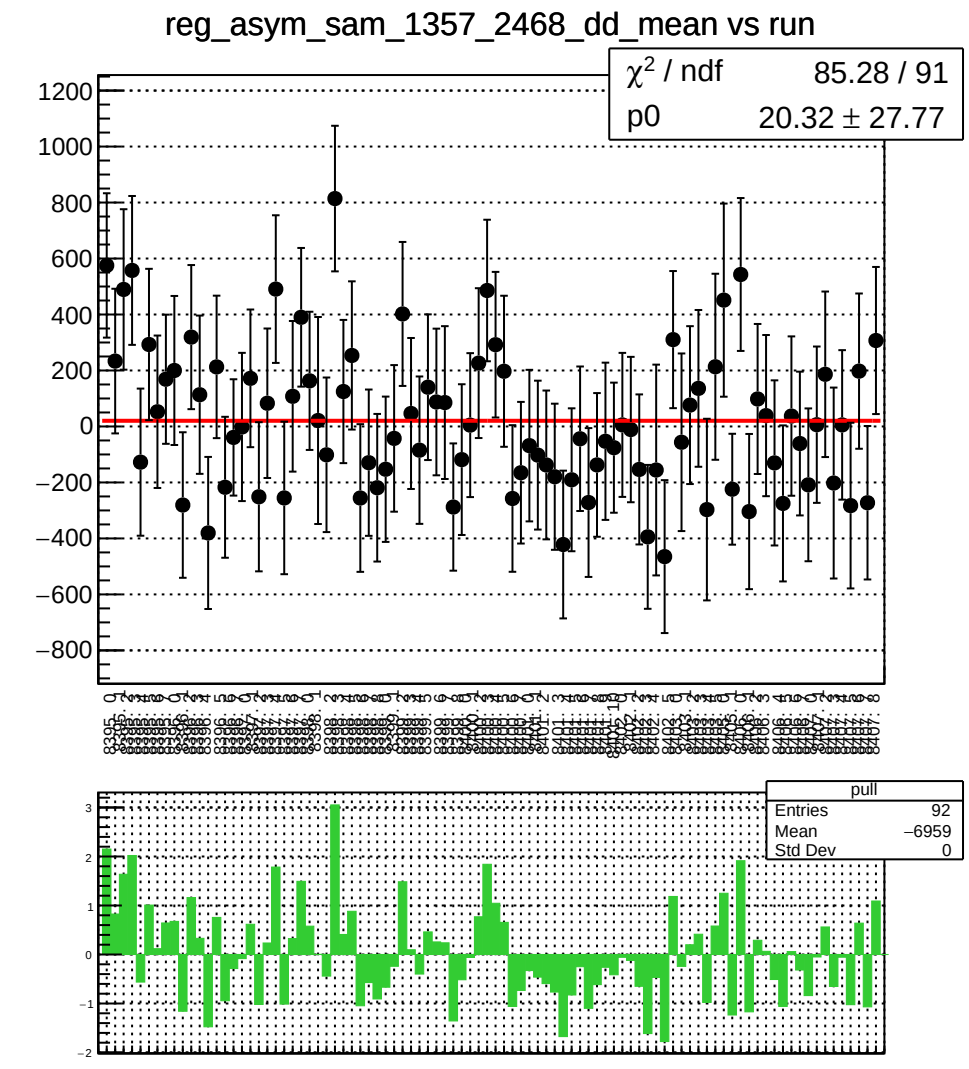

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.096e+04 / 91
p0 40.64 ± 0.03171
240
220
200
180
160
140
120
100
80
60
40
20

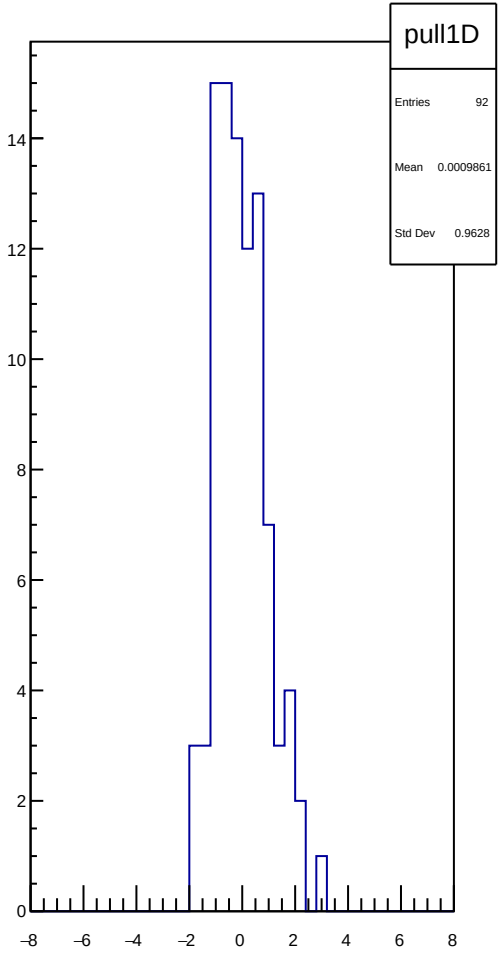

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.24 / 91
p0 −0.07266 ± 0.04484
pull
Entries 92
Mean −212.4
Std Dev 0
pull1D
Entries 92
Mean −0.005006
Std Dev 0.8799

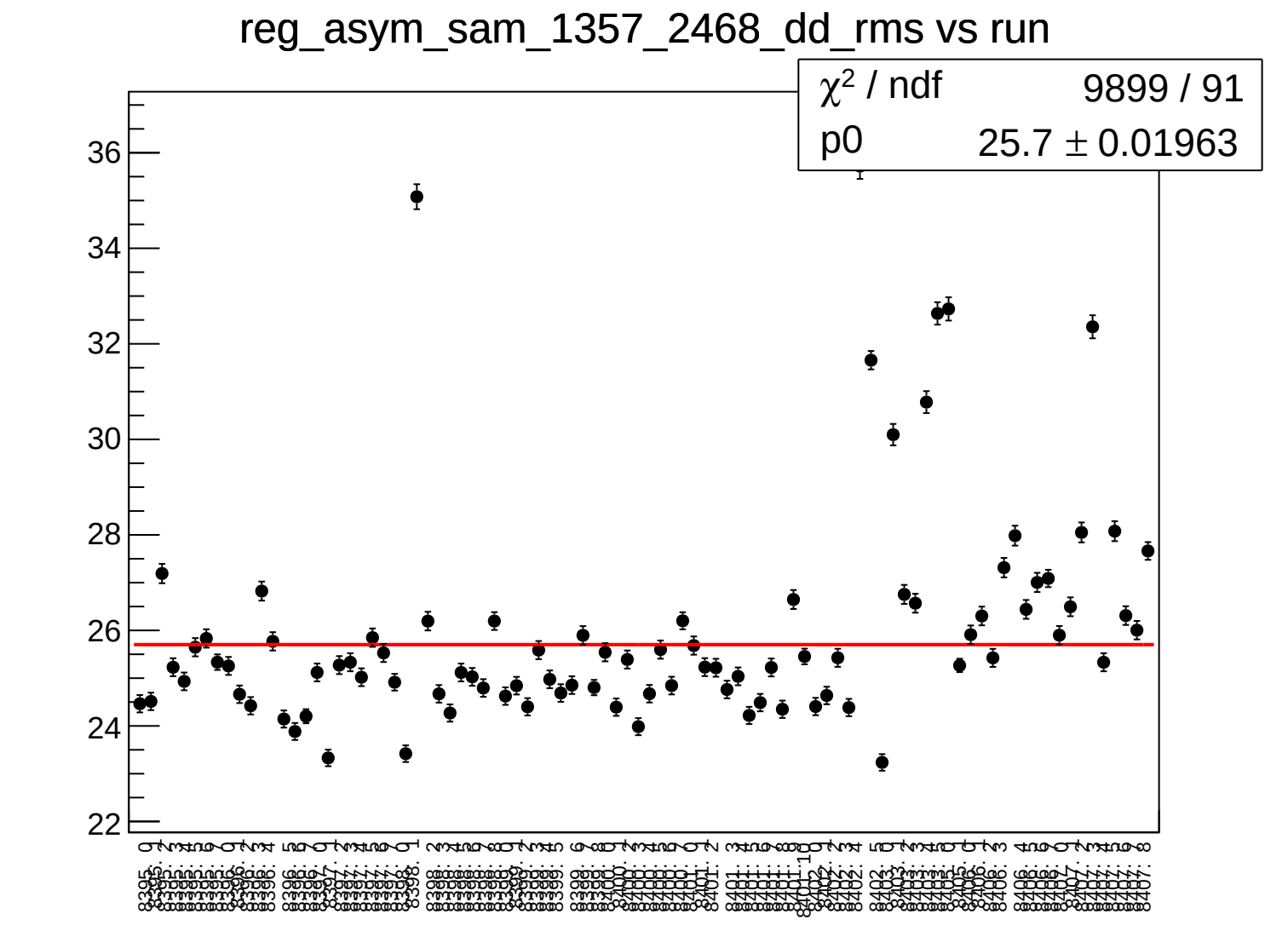

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.096e+04 / 91
p0 40.64 ± 0.03171
240
220
200
180
160
140
120
100
80
60
40
20

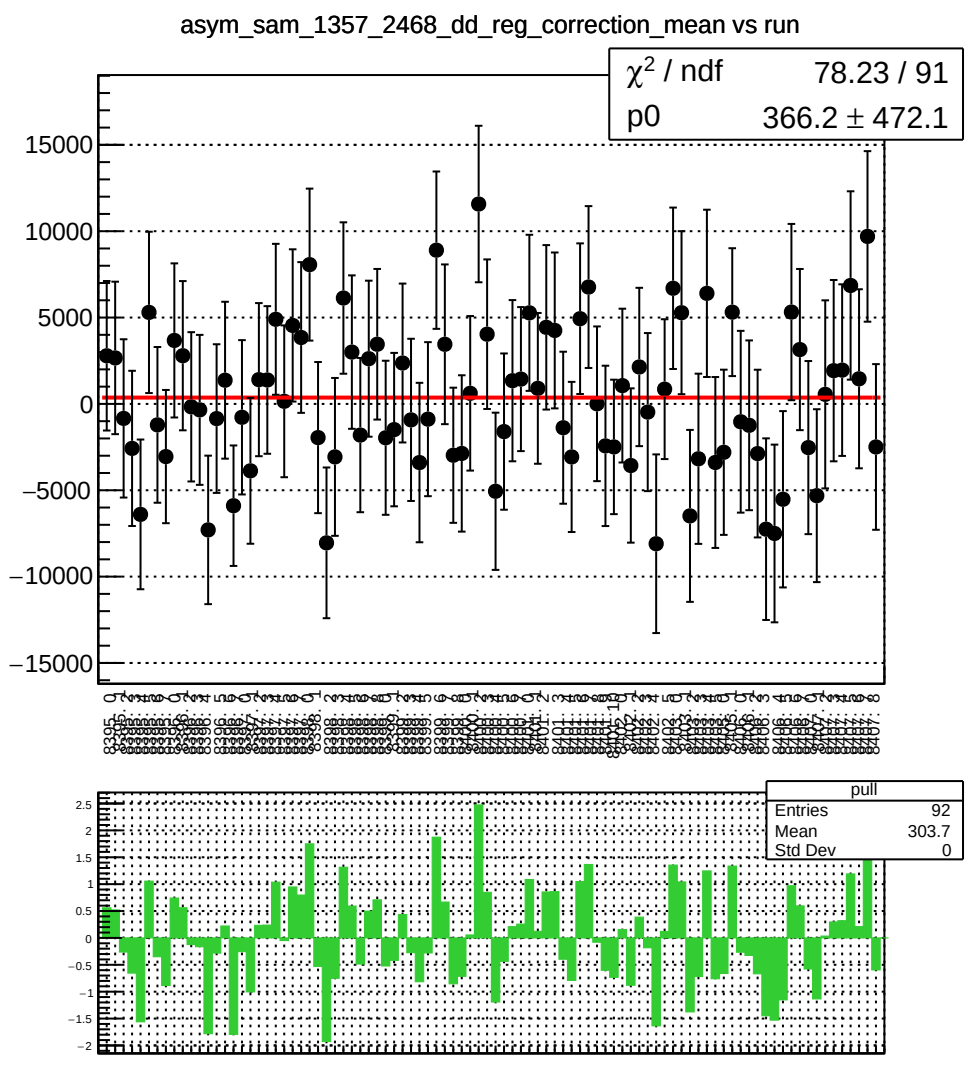

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.05 / 91
p0 1.609e−13 ± 1.058e−13
pull
Entries 92
Mean 79.9
Std Dev 0
pull1D
Entries 92
Mean 0.02151
Std Dev 0.9267

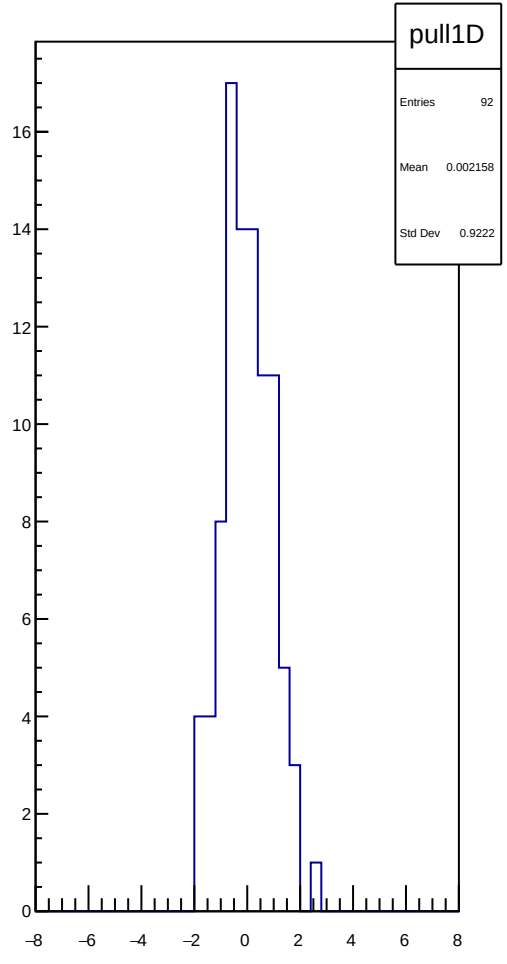

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.487e+05 / 91
p0 8.45e−11 ± 7.484e−14
0.6
0.5
0.4
0.3
0.2
0.1

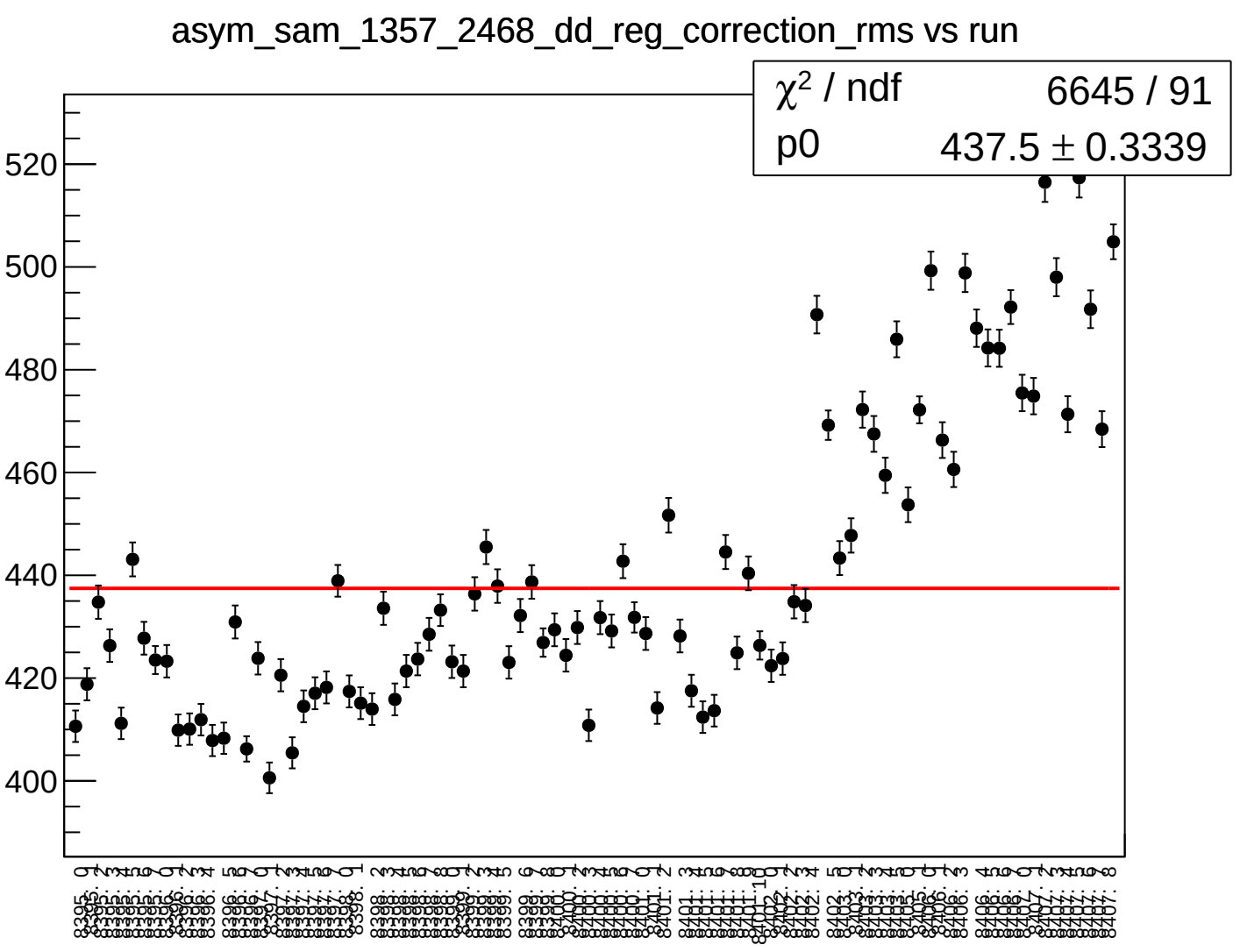

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.28 / 91
p0 20.32 ± 27.77
pull
Entries 92
Mean −6959
Std Dev 0

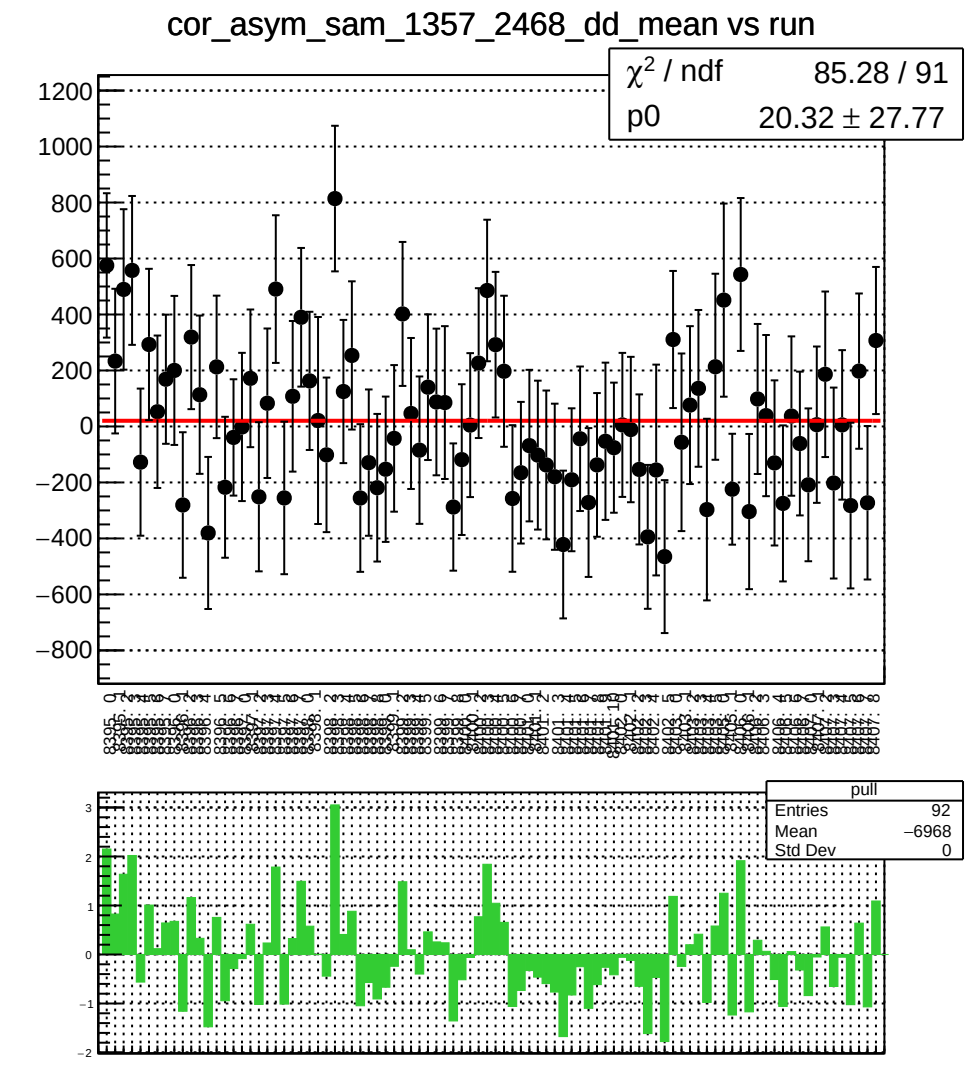

pull1D
Entries 92
Mean 0.0009861
Std Dev 0.9628

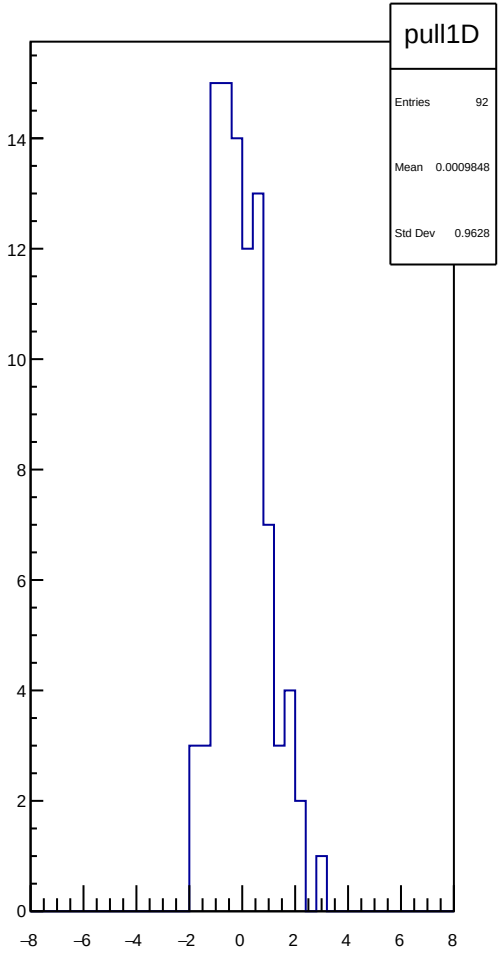

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9899 / 91
p0 25.7 ± 0.01963
36
34
32
30
28
26
24
22

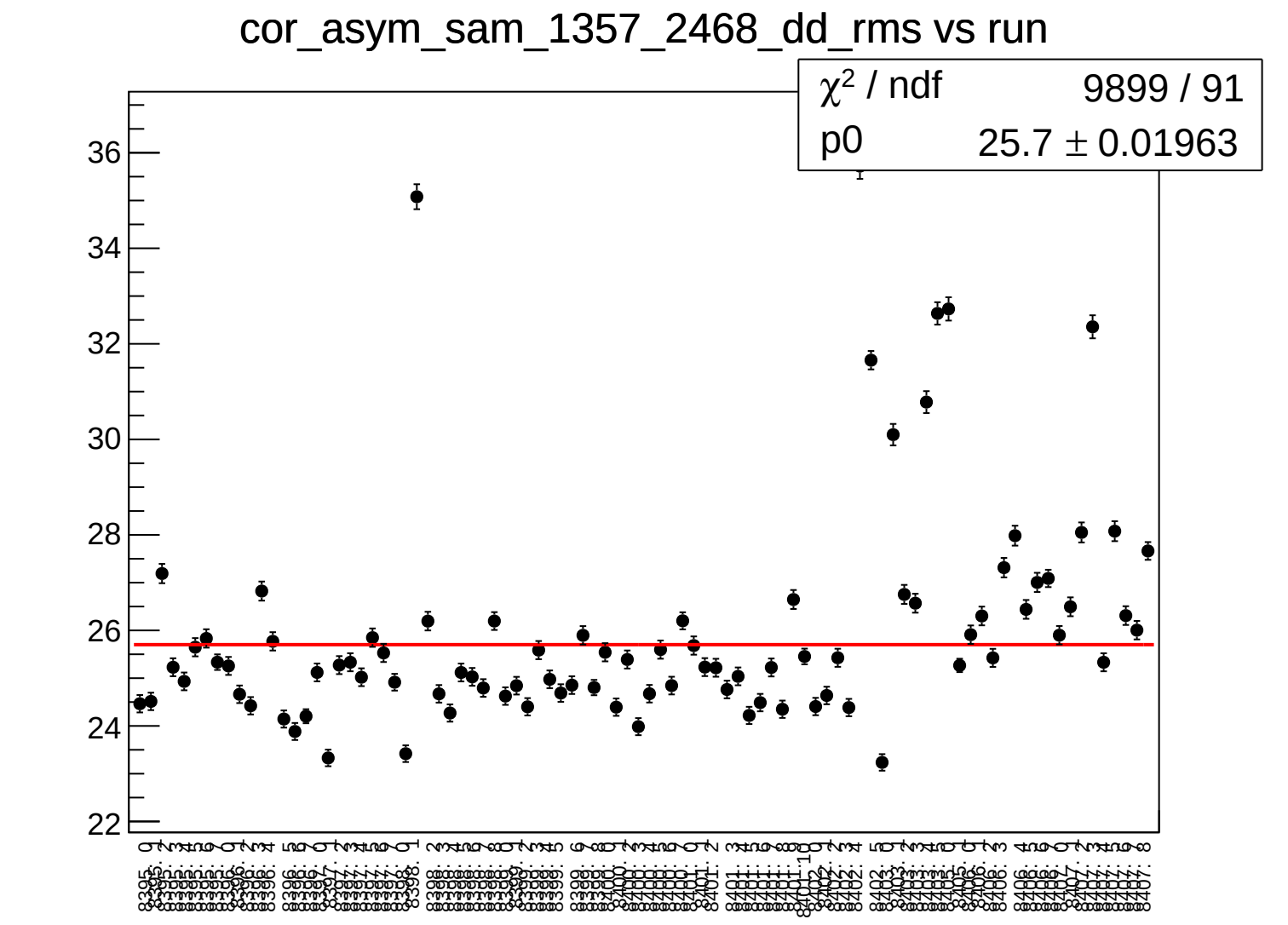

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 78.23 / 91
p0 366.2 ± 472.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 303.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

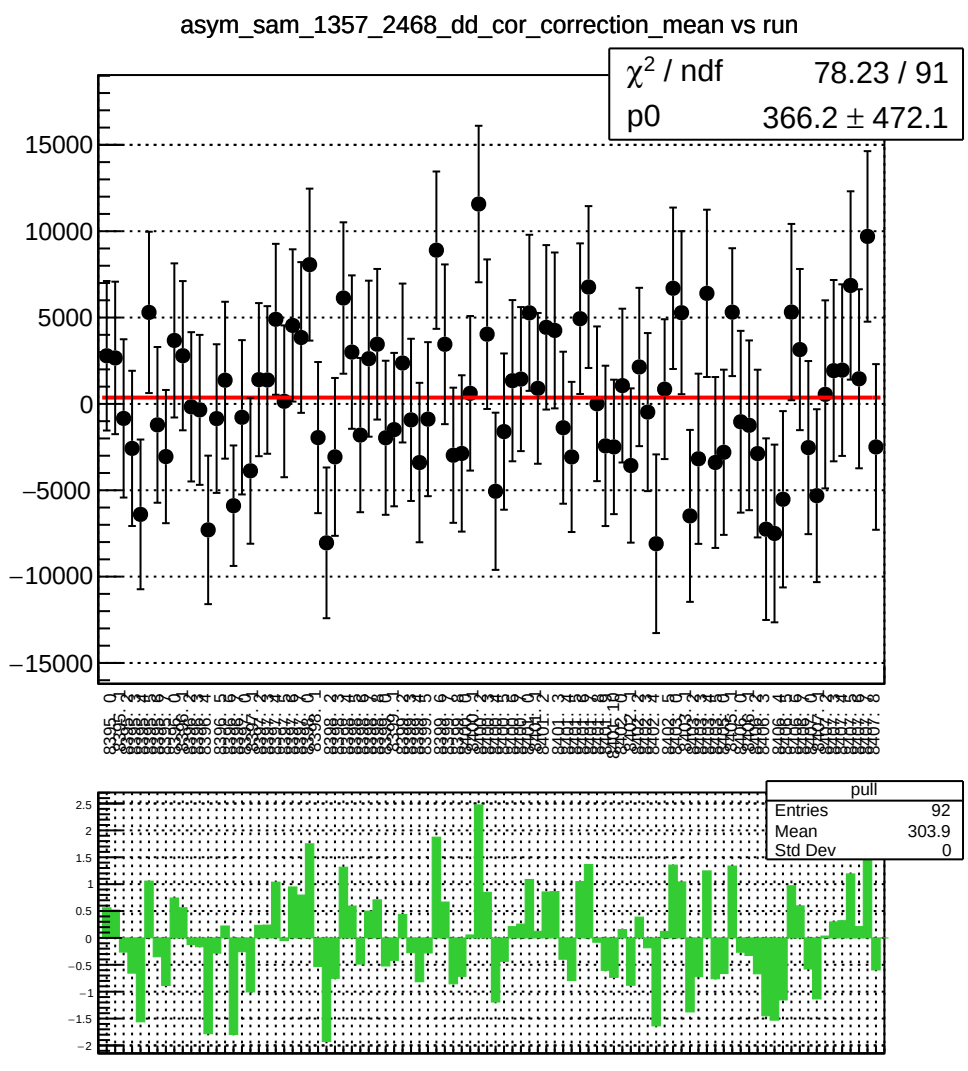

pull1D
Entries 92
Mean 0.002158
Std Dev 0.9222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

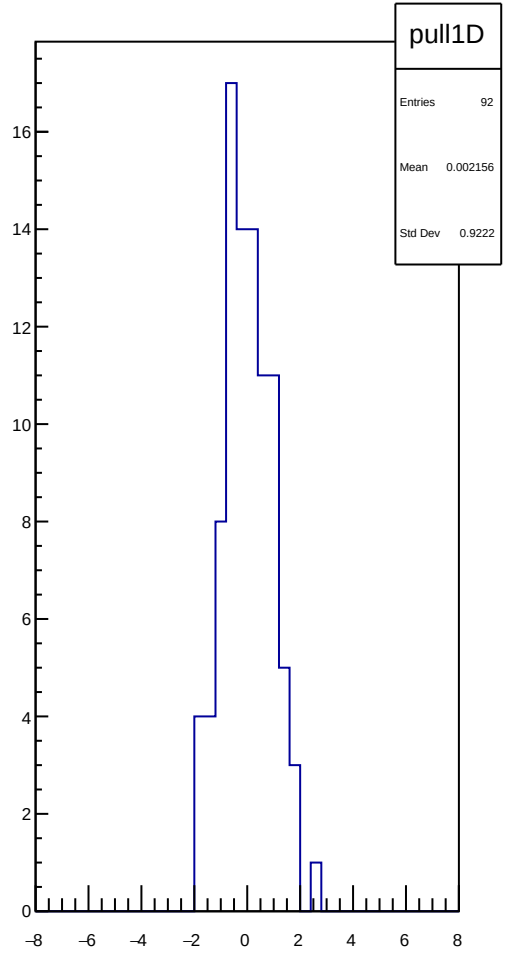

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 6645 / 91
p0 437.5 ± 0.3339
520
500
480
460
440
420
400

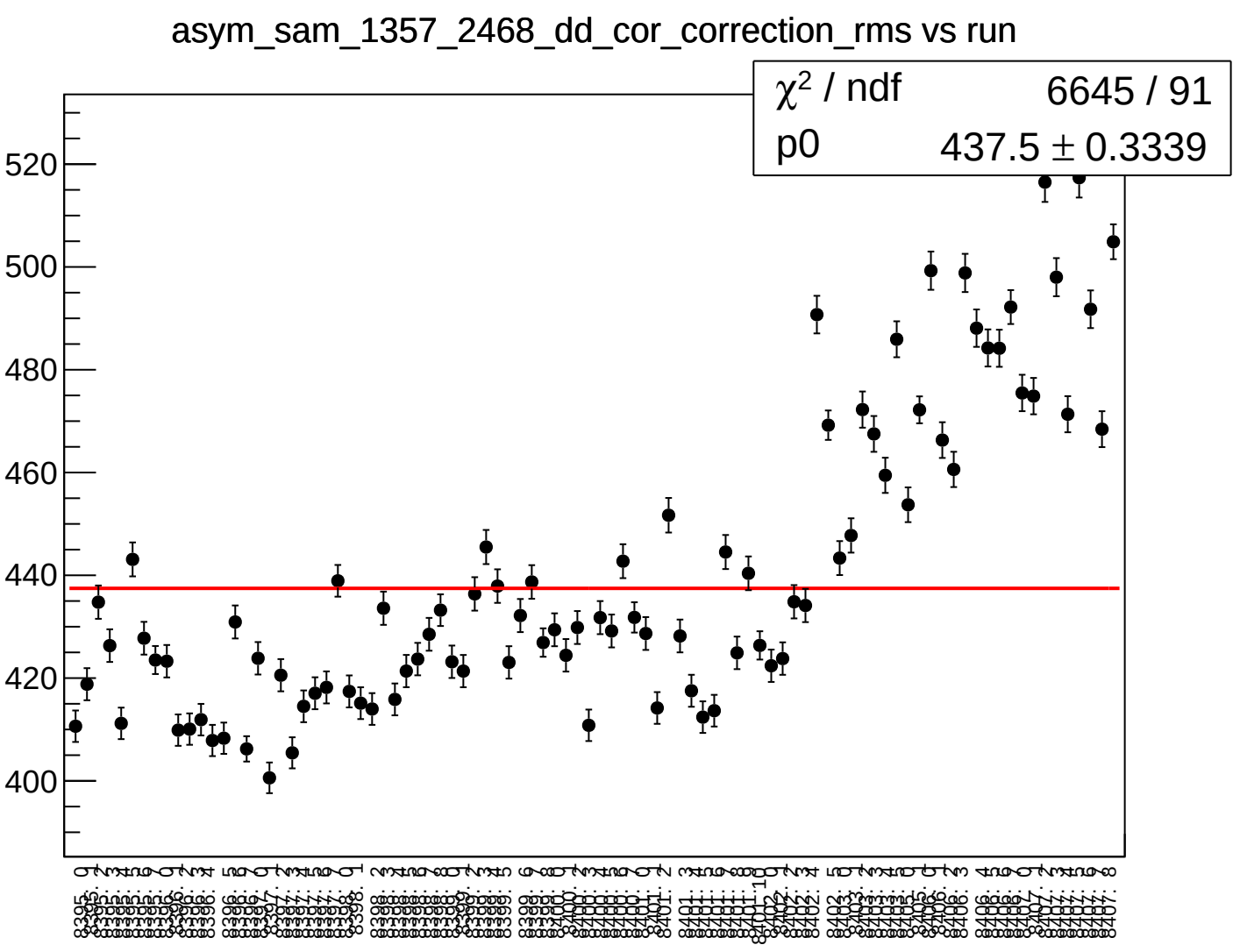

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.28 / 91
p0 20.32 ± 27.77
pull
Entries 92
Mean −6968
Std Dev 0

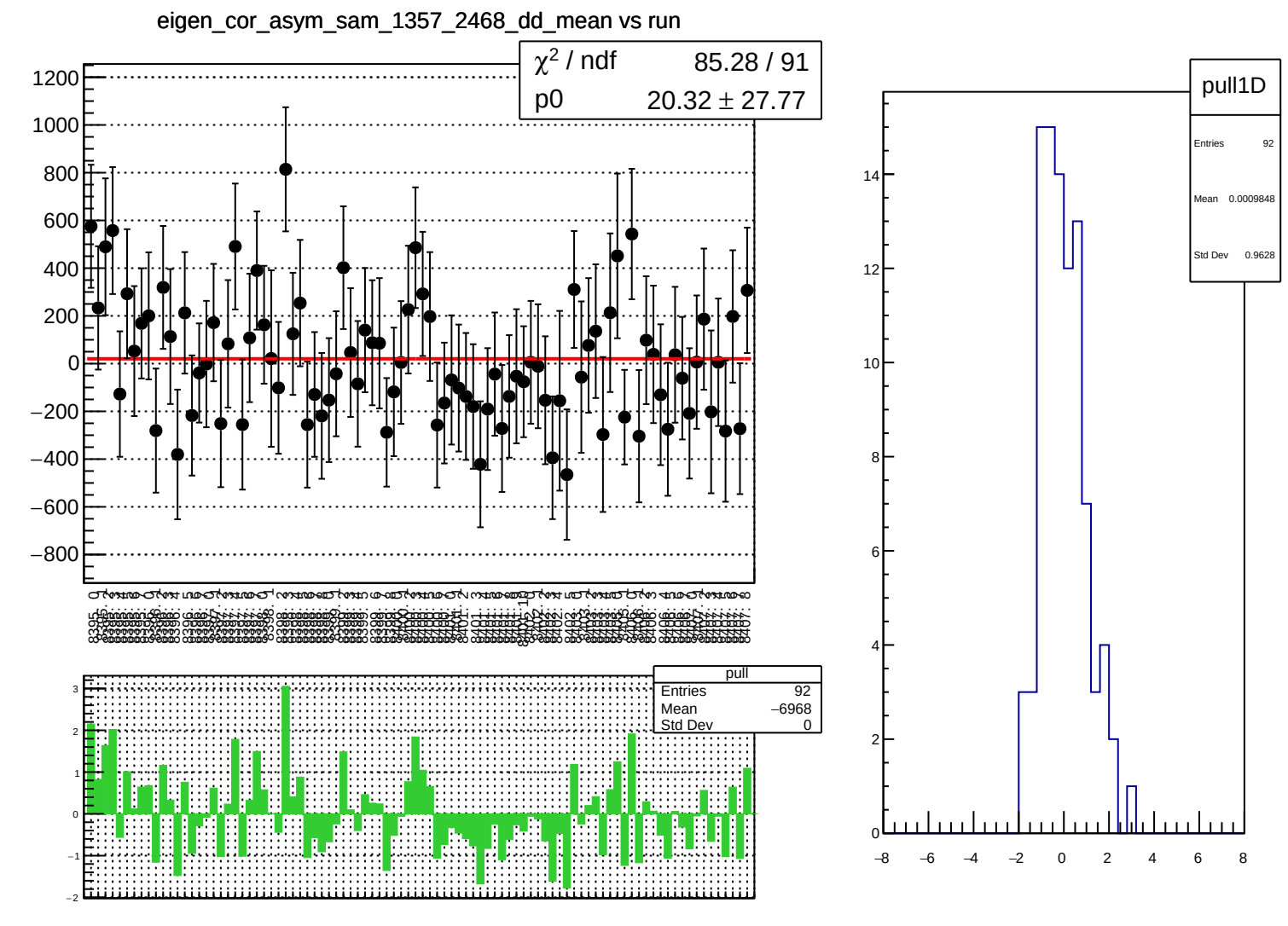

pull1D
Entries 92
Mean 0.0009848
Std Dev 0.9628

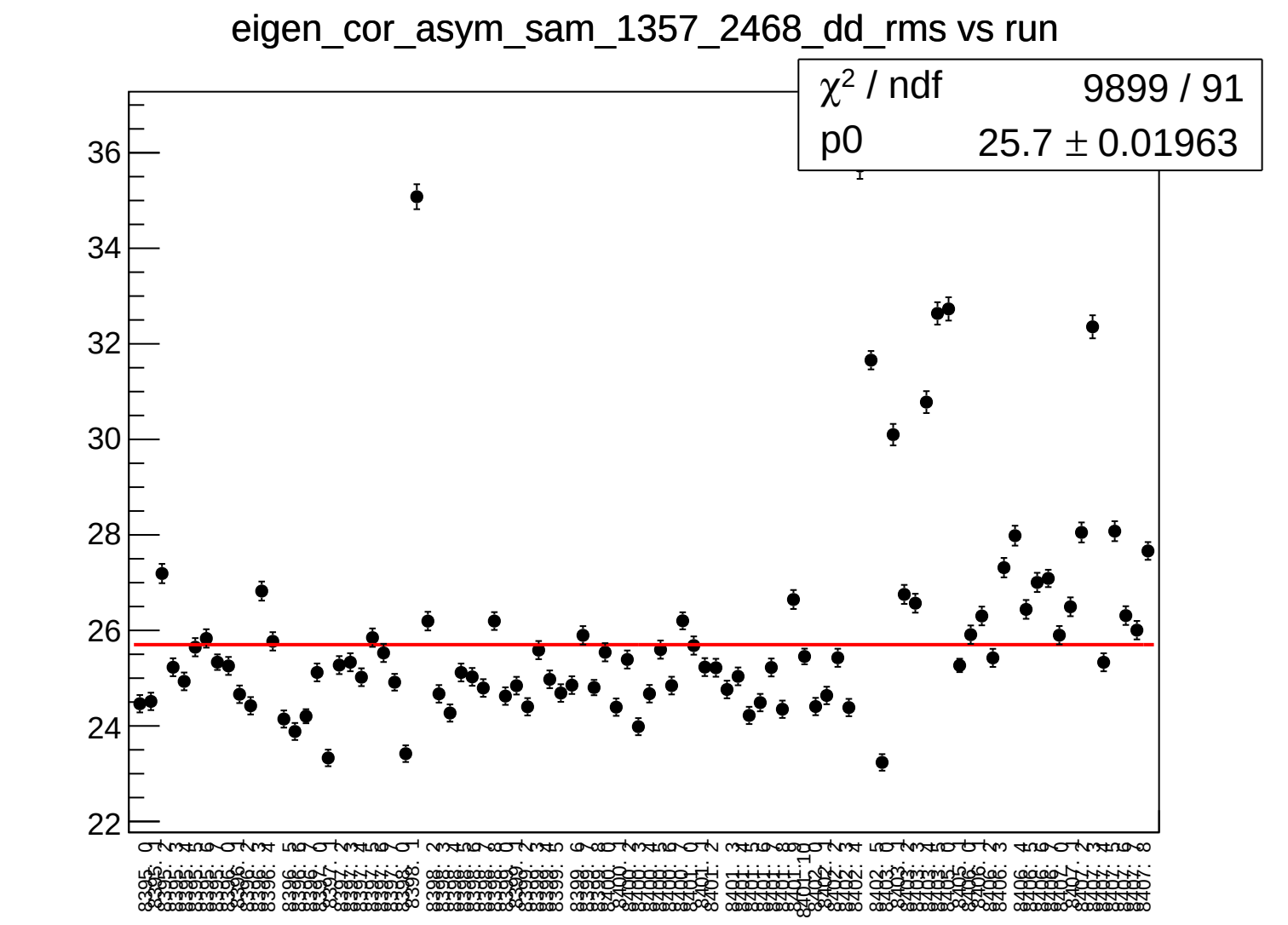

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9899 / 91
p0 25.7 ± 0.01963
36
34
32
30
28
26
24
22

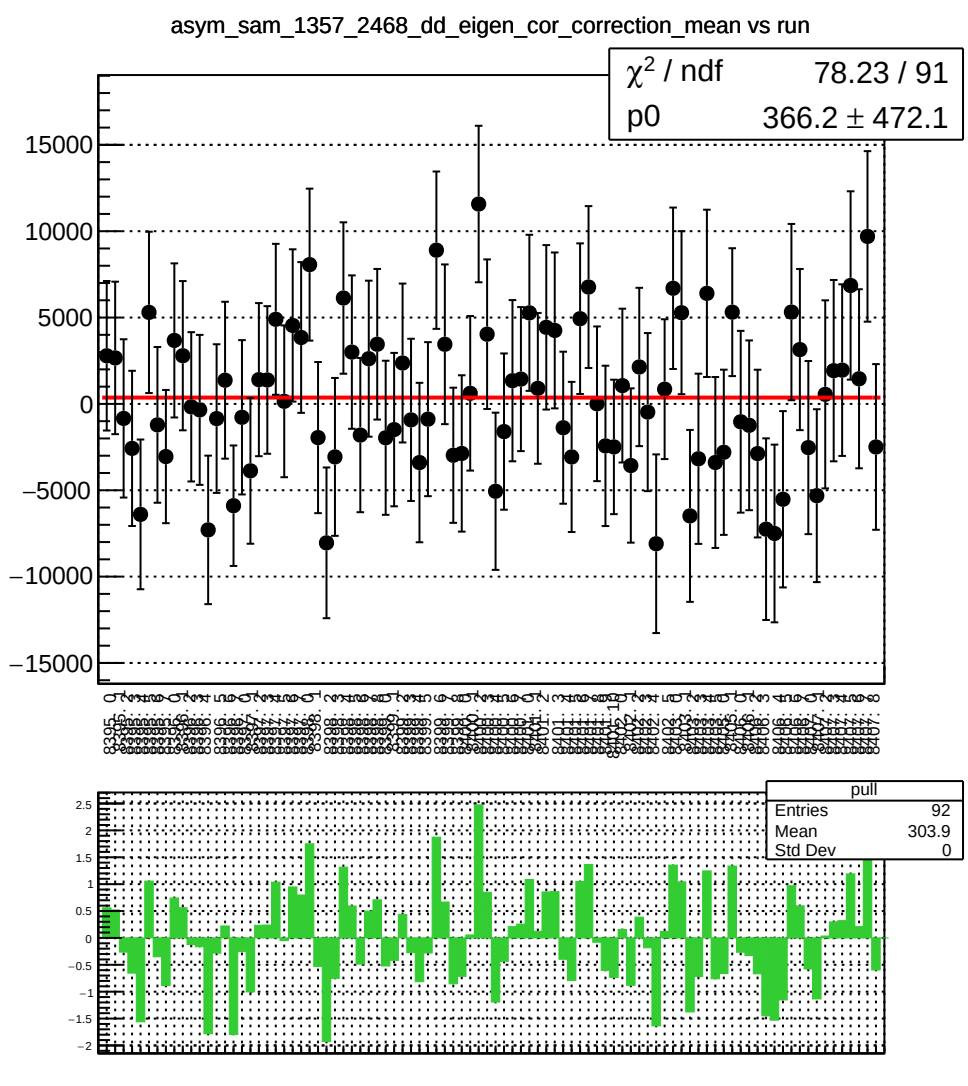

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 78.23 / 91
p0 366.2 ± 472.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 303.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

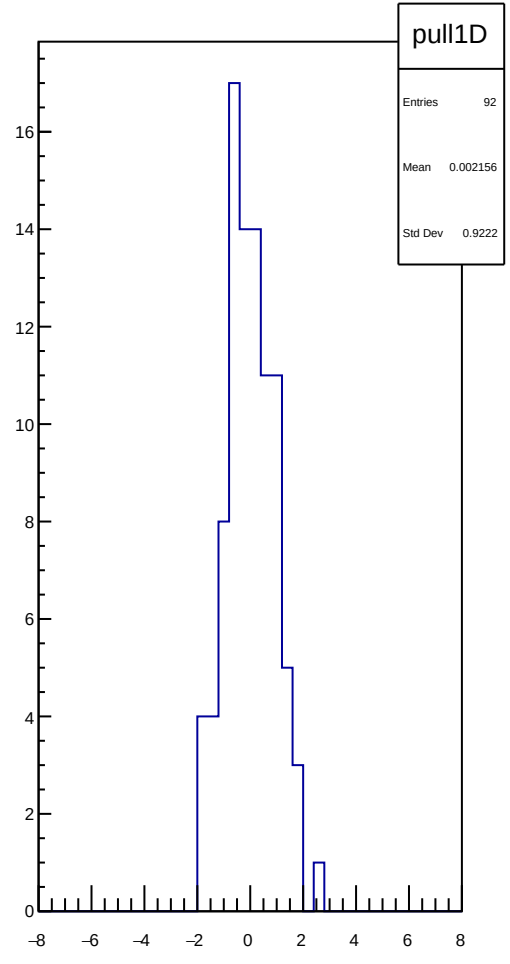

pull1D
Entries 92
Mean 0.002156
Std Dev 0.9222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

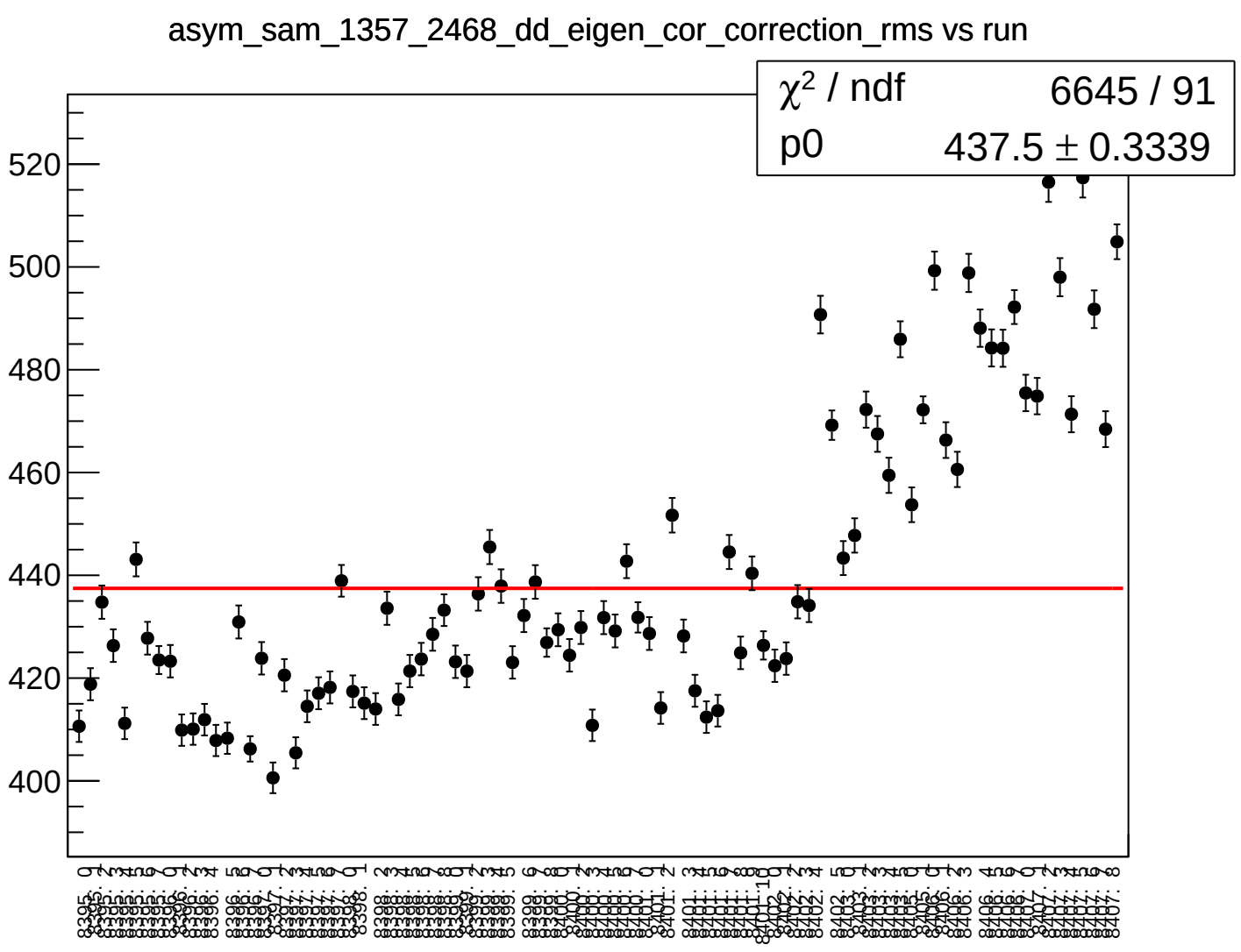

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 6645 / 91
p0 437.5 ± 0.3339
520
500
480
460
440
420
400

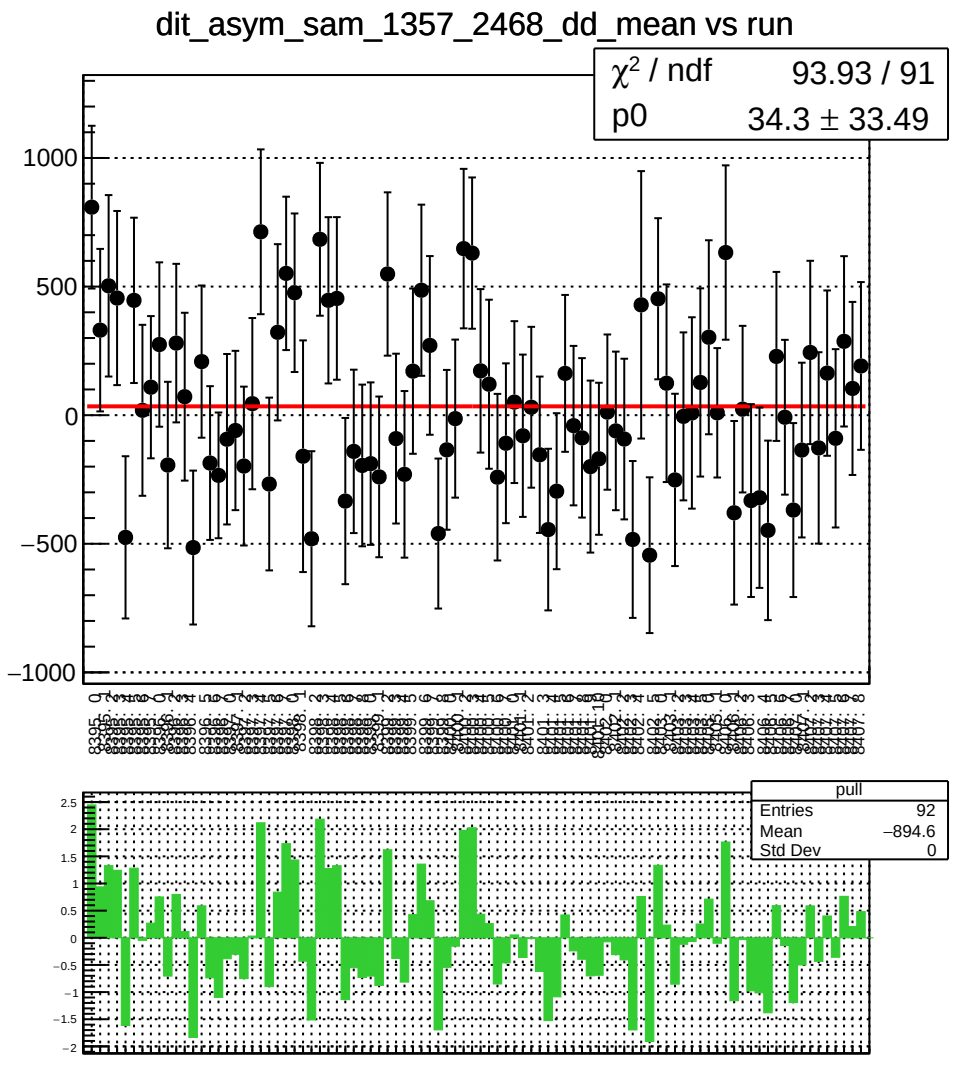

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.28 / 91
p0 20.32 ± 27.77
pull
Entries 92
Mean −6968
Std Dev 0
pull1D
Entries 92
Mean 0.0009848
Std Dev 0.9628

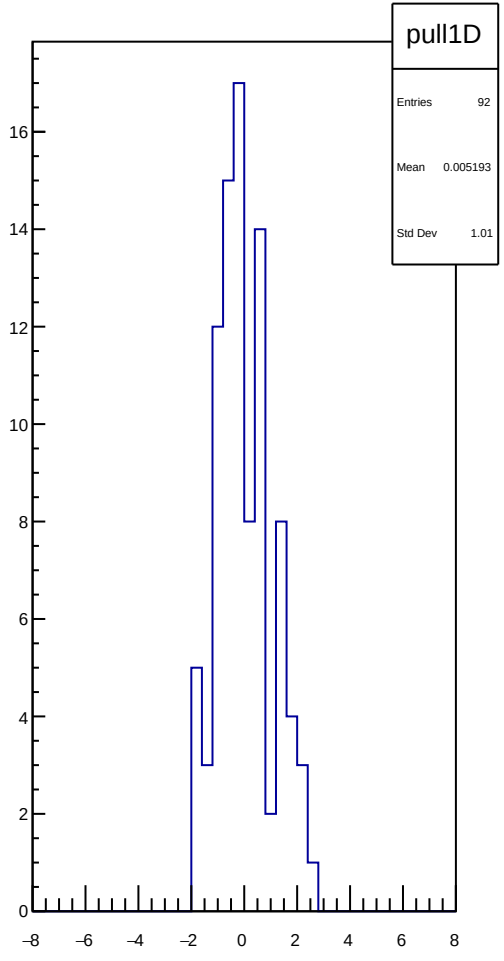

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9899 / 91
p0 25.7 ± 0.01963
36
34
32
30
28
26
24
22

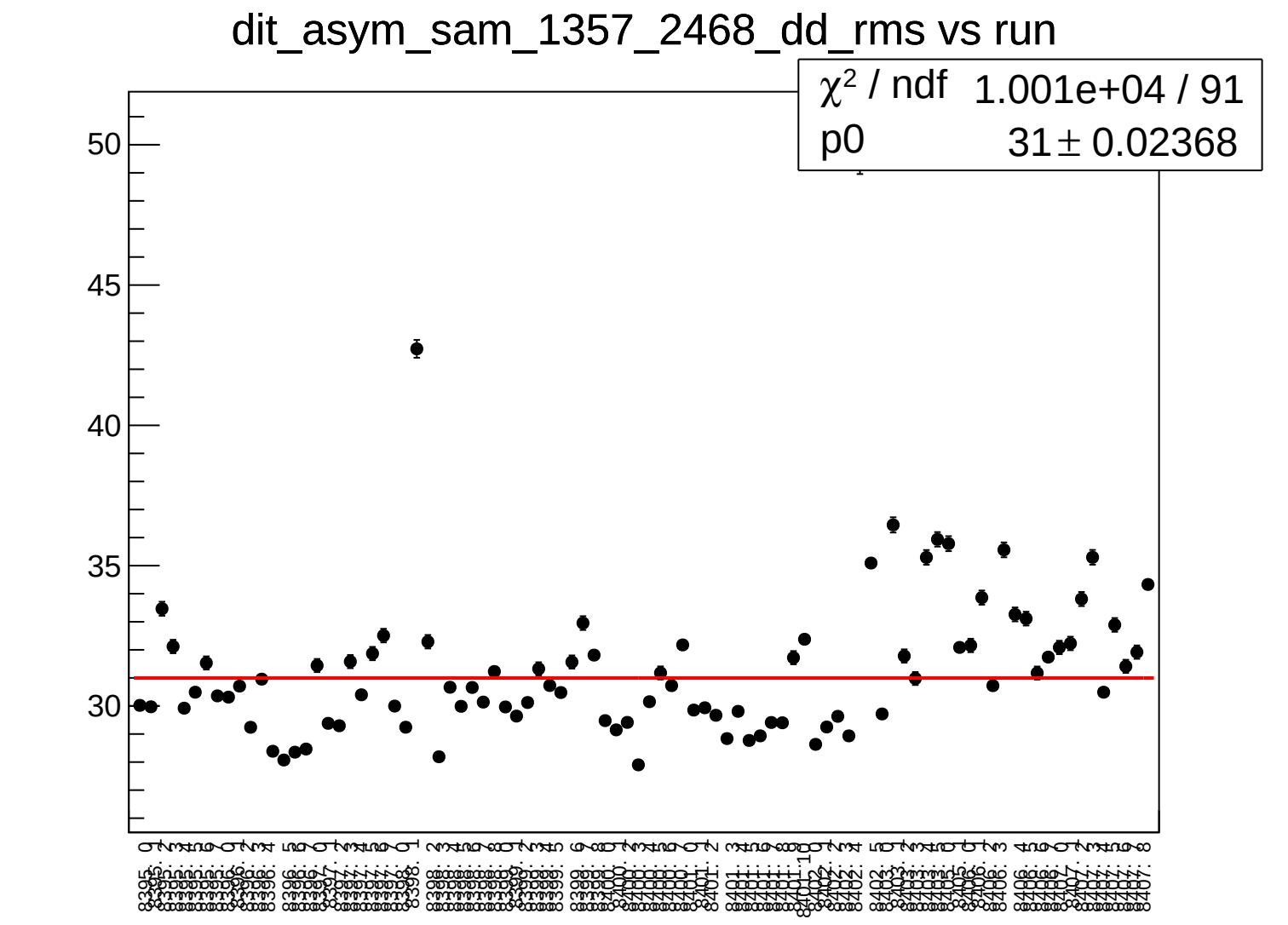

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.23 / 91
p0 366.2 ± 472.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 303.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

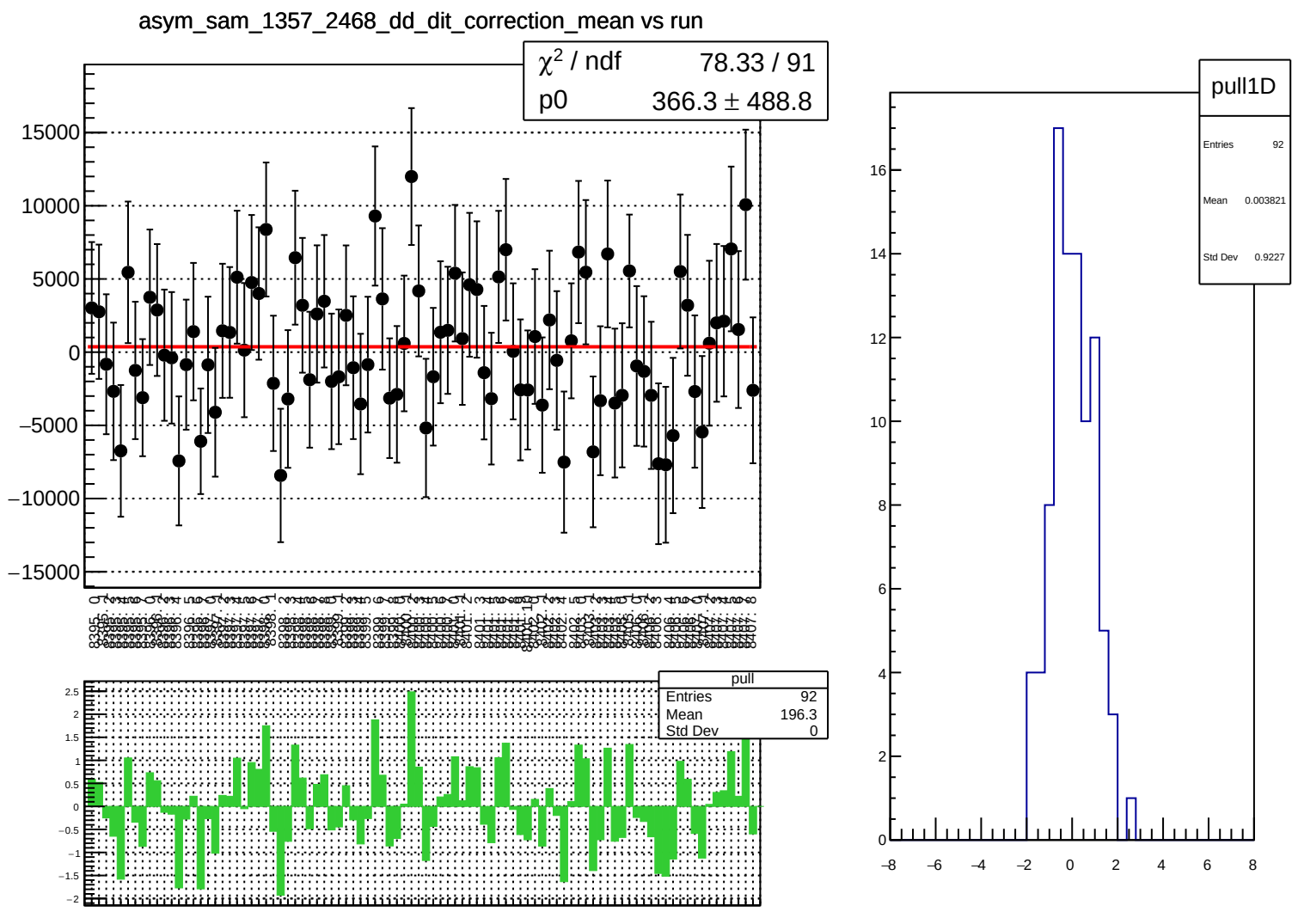

pull1D
Entries 92
Mean 0.002156
Std Dev 0.9222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

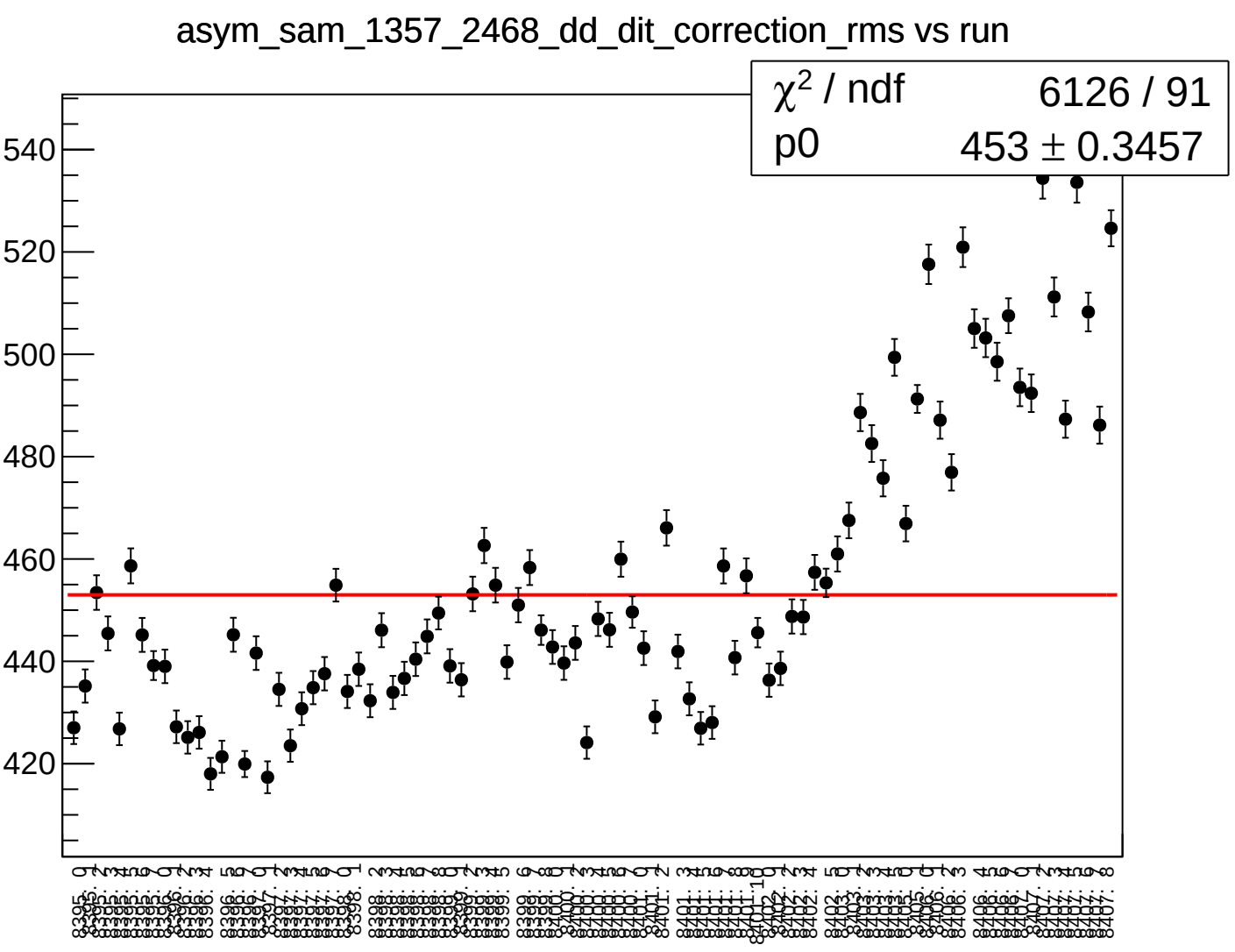

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 6645 / 91
p0 437.5 ± 0.3339
520
500
480
460
440
420
400

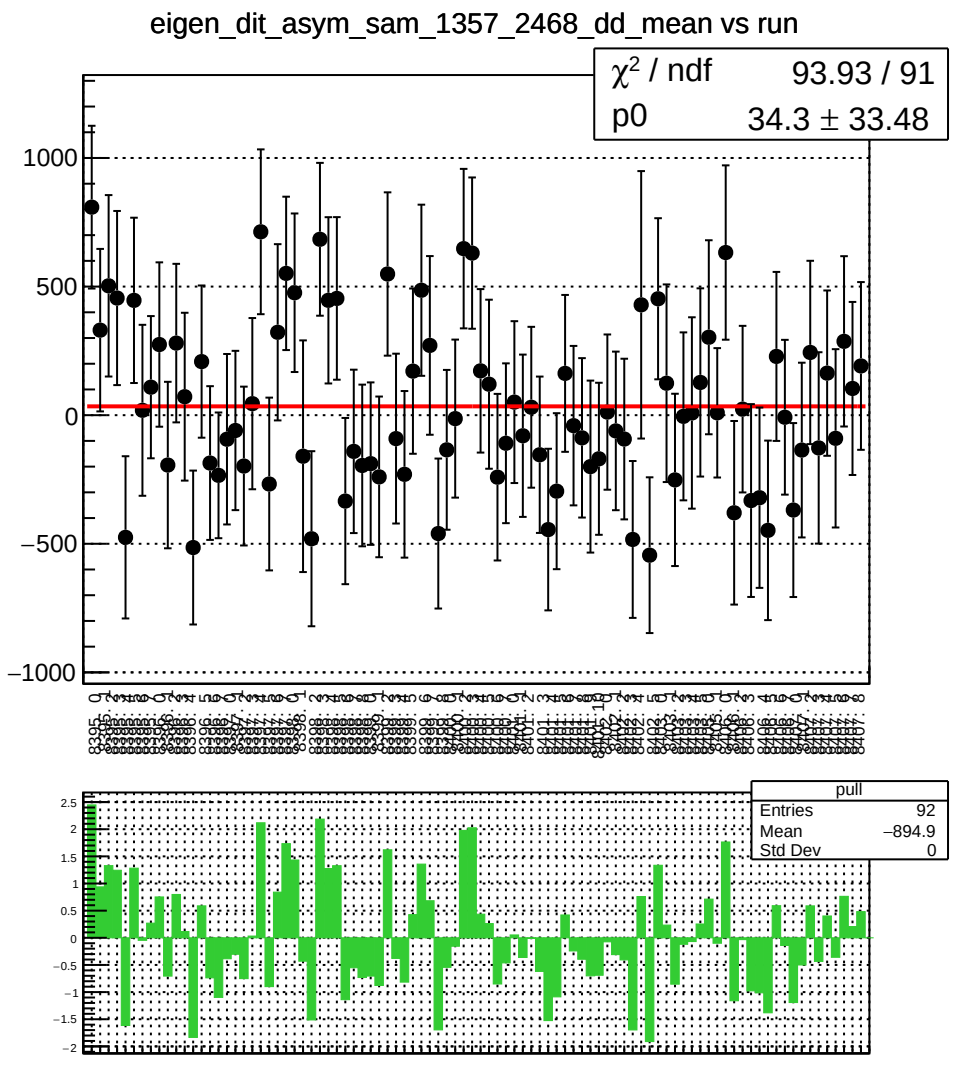

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.93 / 91
p0 34.3 ± 33.49
1000
500
0
−500
−1000
pull
Entries 92
Mean −894.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

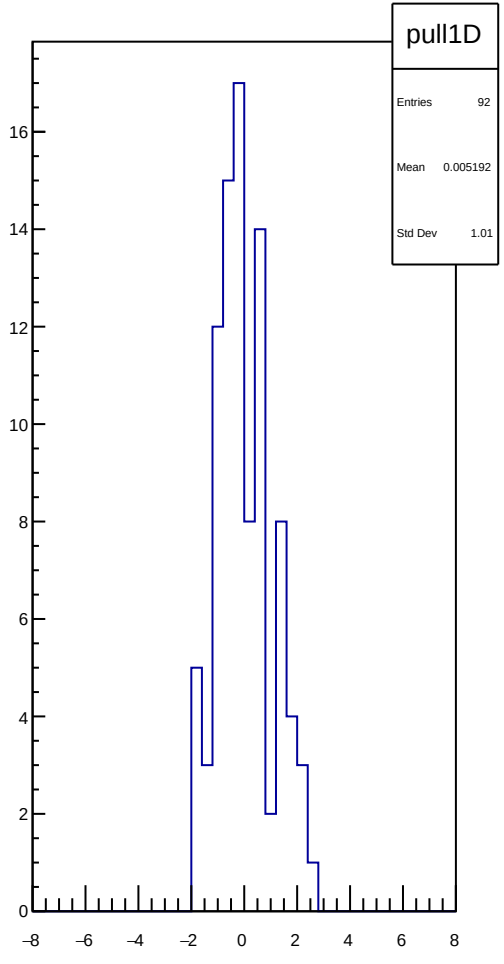

pull1D
Entries 92
Mean 0.005193
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

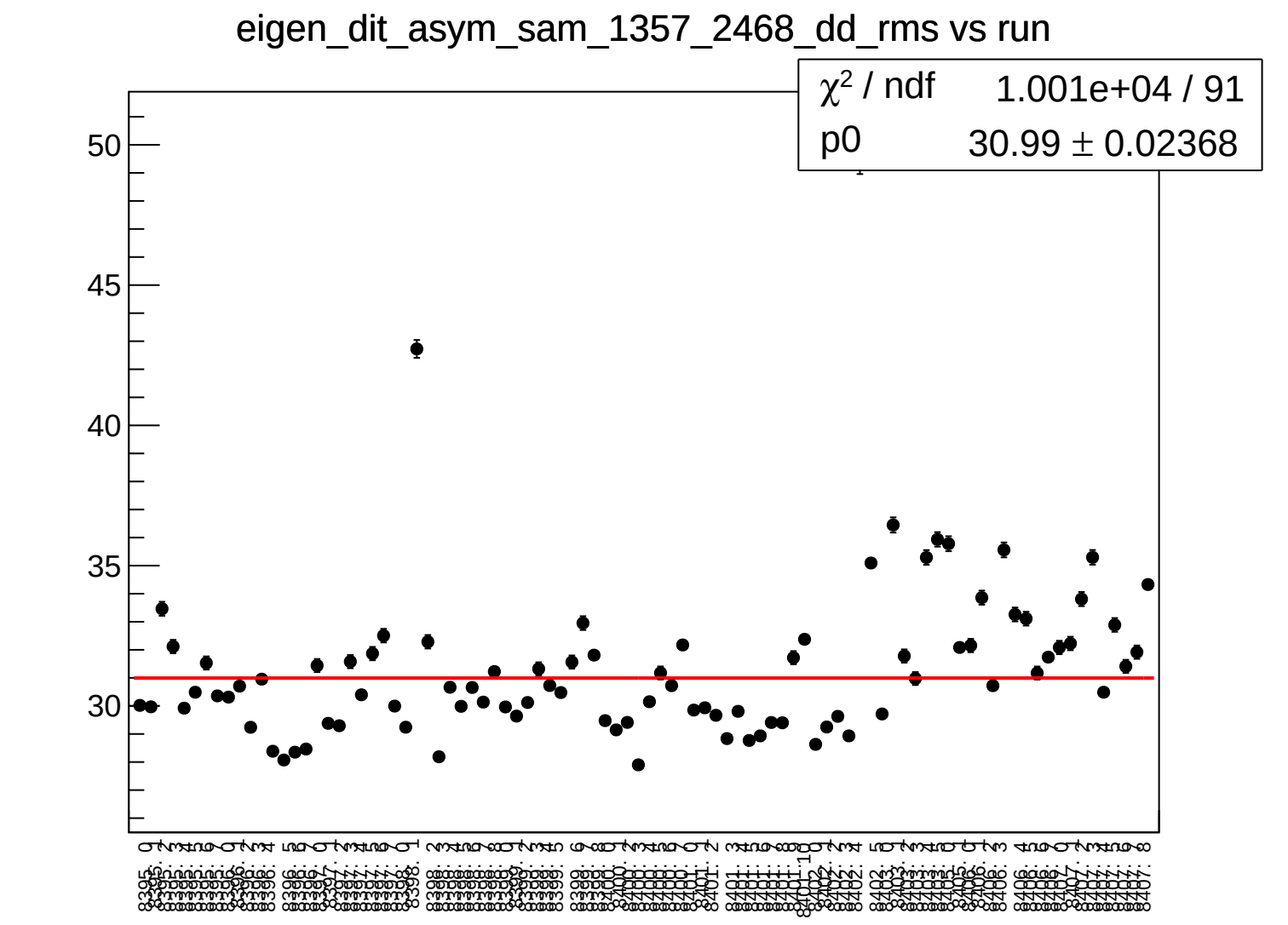

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.001e+04 / 91
p0 31 ± 0.02368
50
45
40
35
30

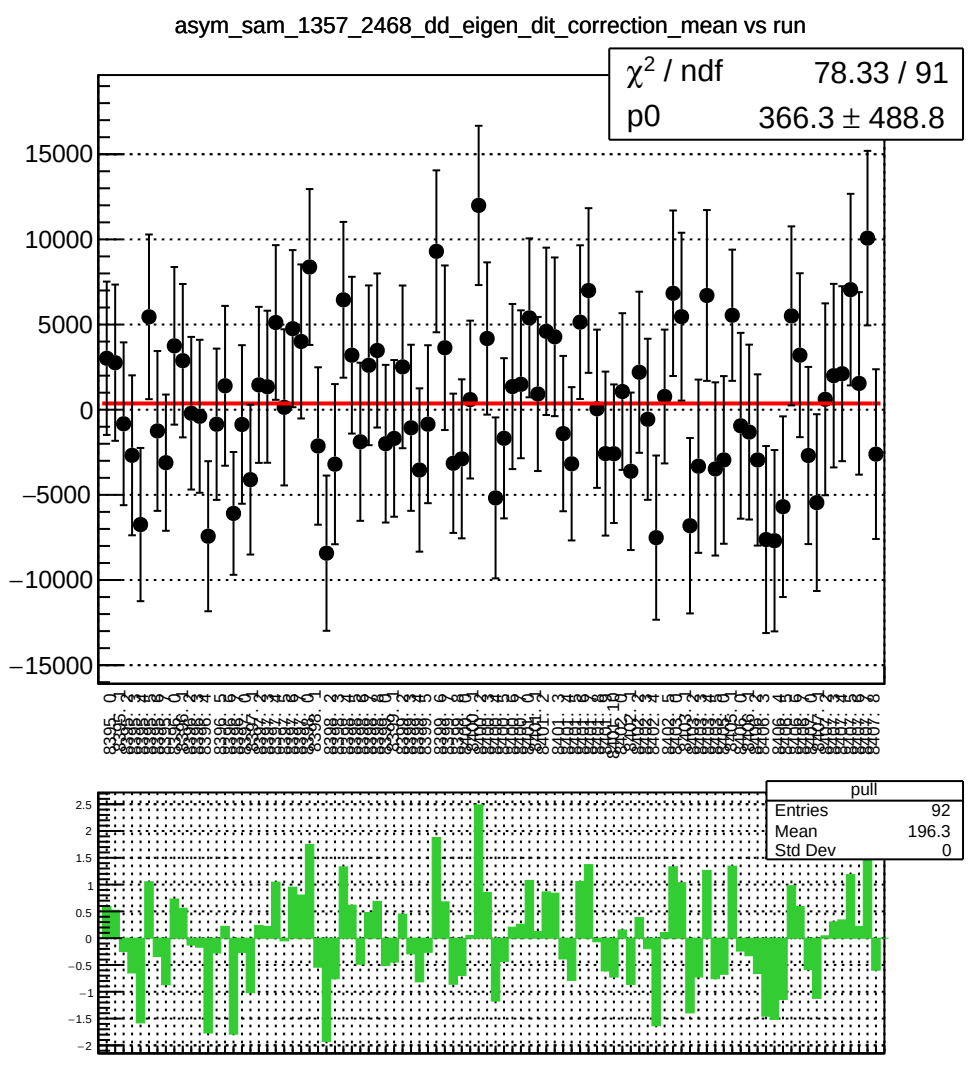

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 78.33 / 91
p0 366.3 ± 488.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 196.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.003821
Std Dev 0.9227
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

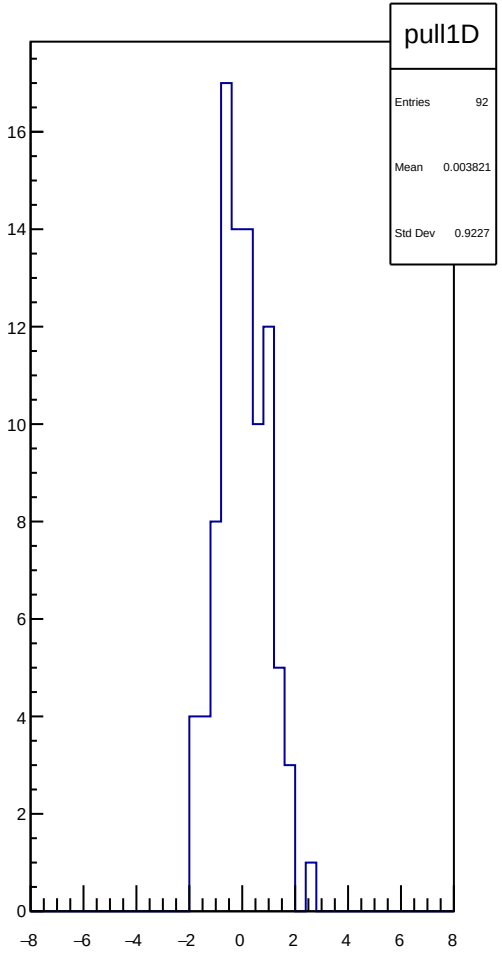

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 6126 / 91
p0 453 ± 0.3457
540
520
500
480
460
440
420

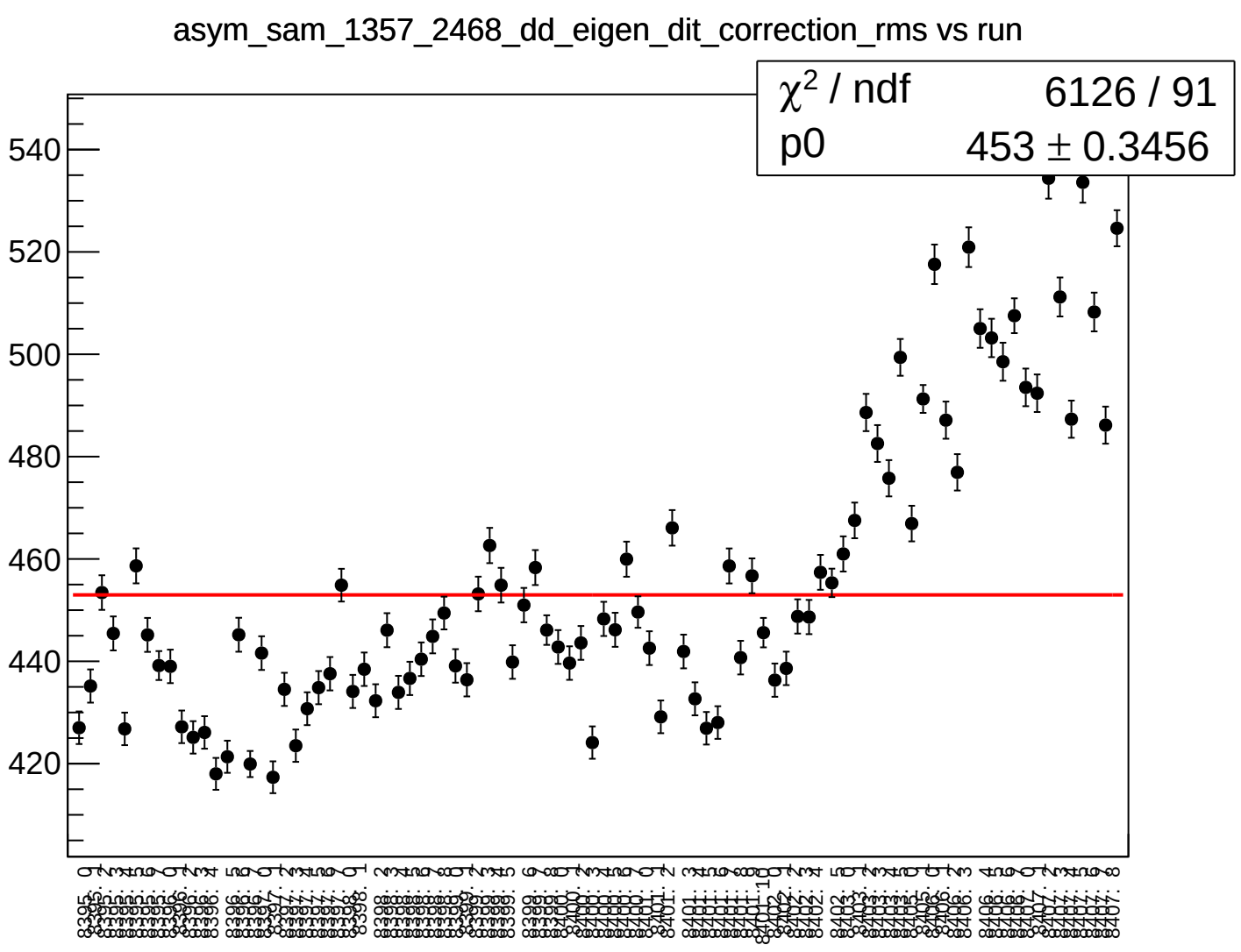

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.93 / 91
p0 34.3 ± 33.48
1000
500
0
−500
−1000
pull
Entries 92
Mean −894.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

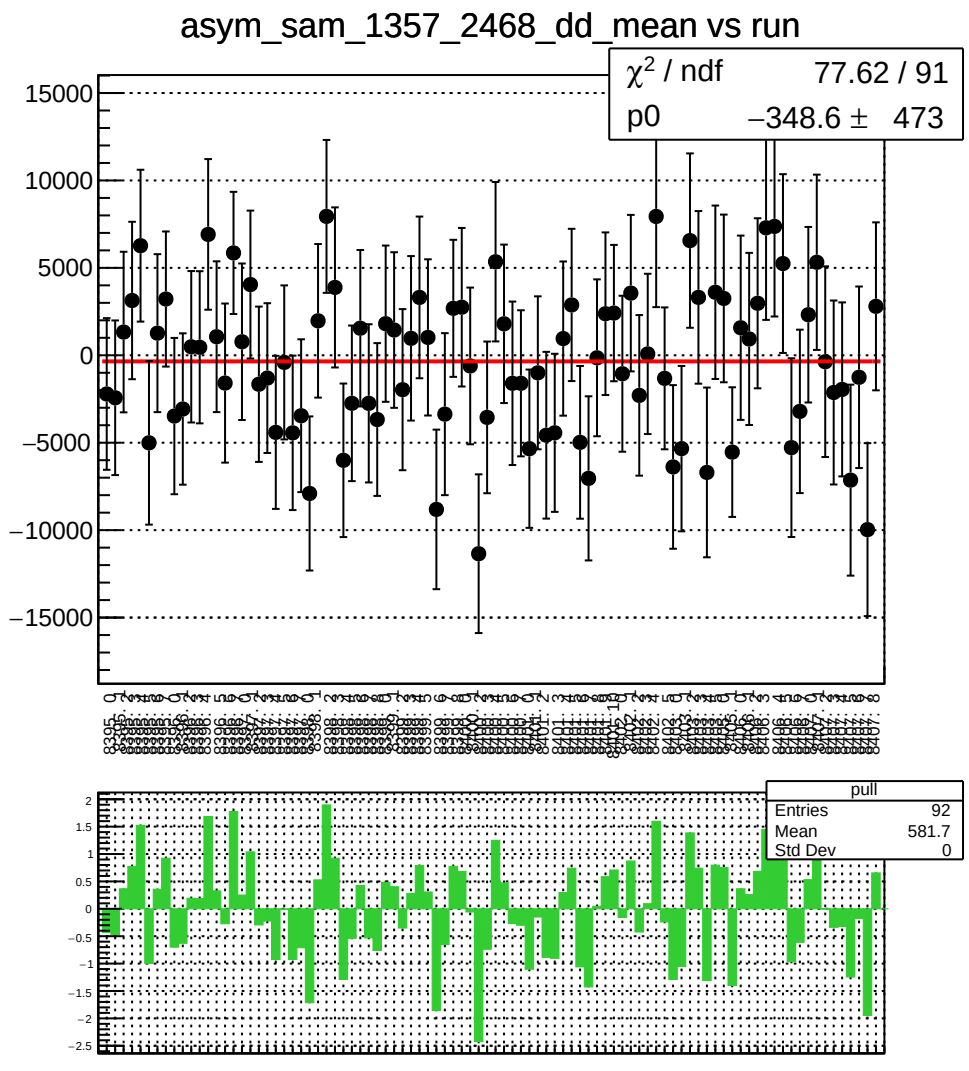

pull1D
Entries 92
Mean 0.005192
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

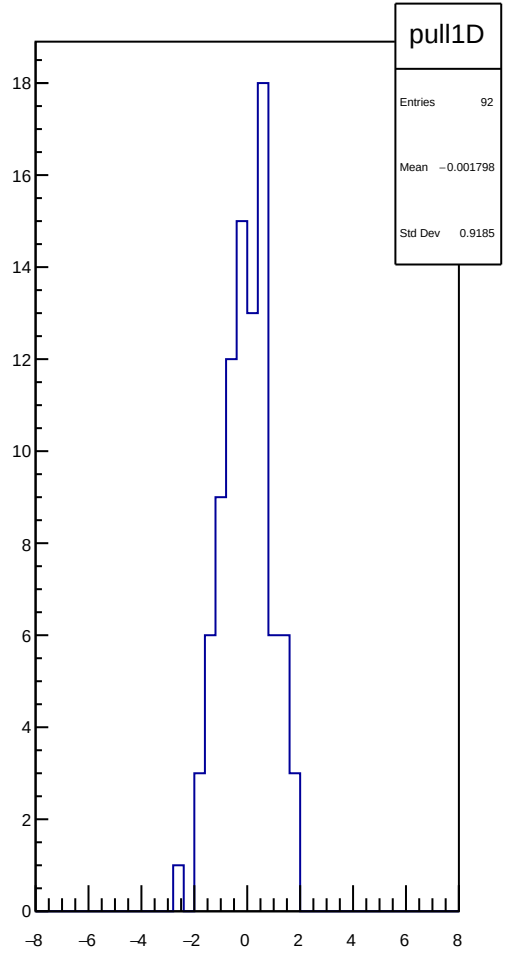

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.001e+04 / 91
p0 30.99 ± 0.02368
50
45
40
35
30

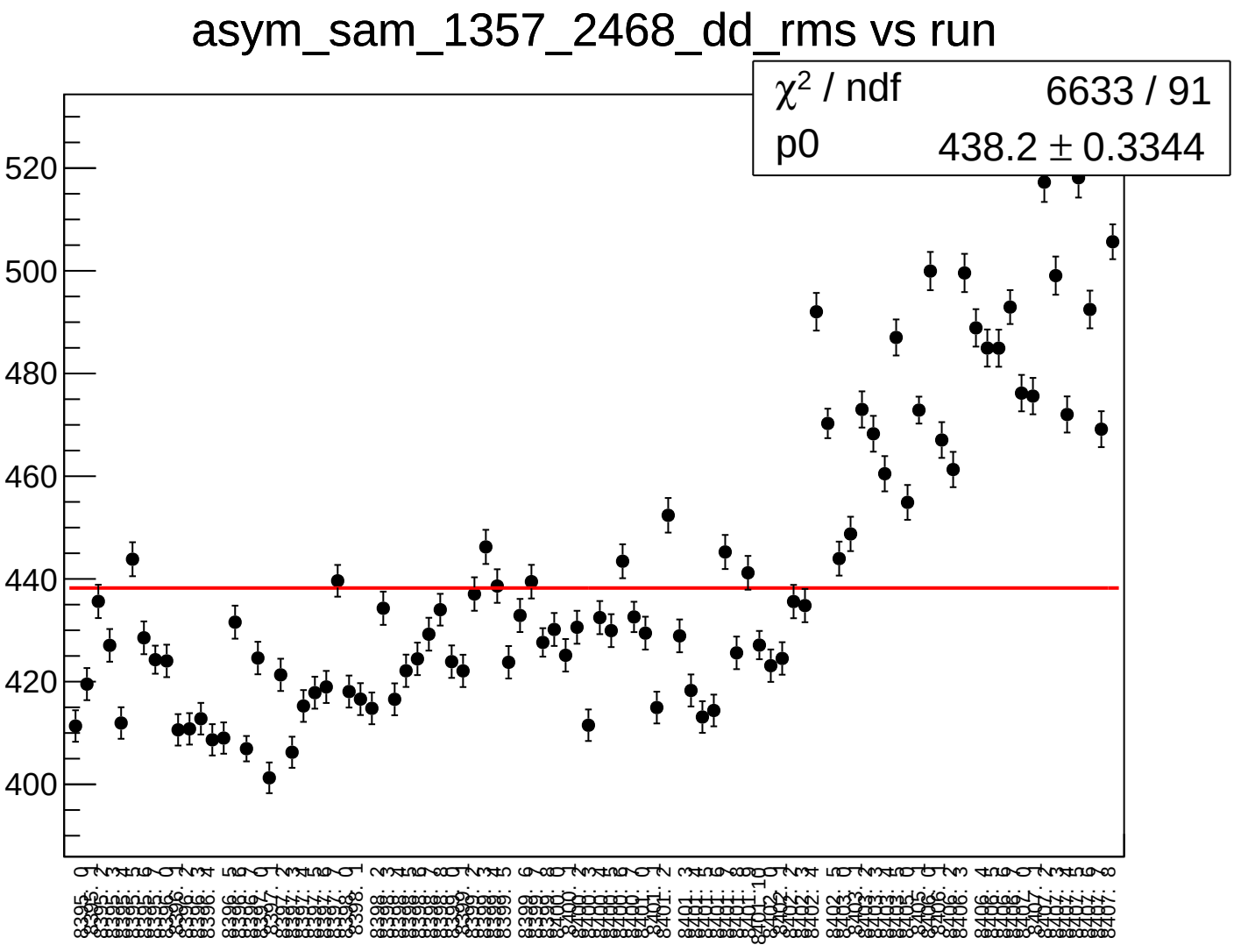

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.33 / 91
p0 366.3 ± 488.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 196.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

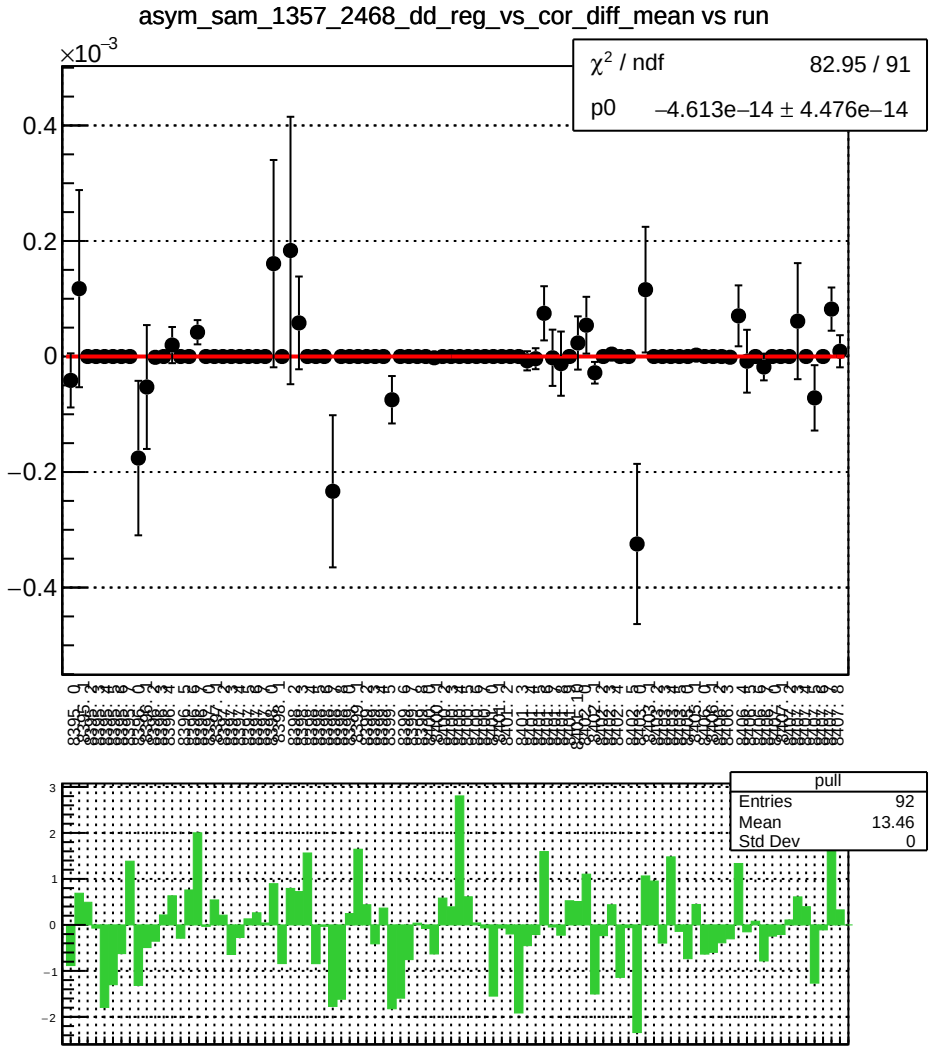

pull1D
Entries 92
Mean 0.003821
Std Dev 0.9227
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

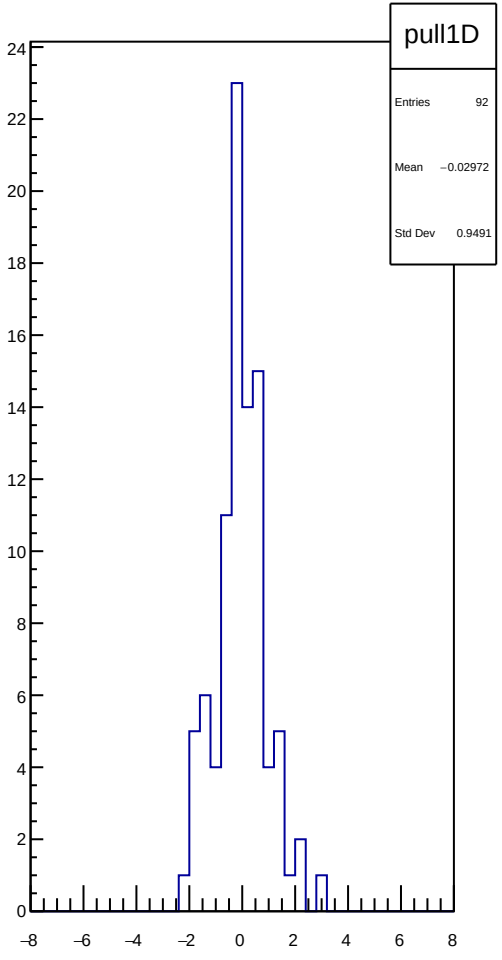

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 6126 / 91
p0 453 ± 0.3456
540
520
500
480
460
440
420

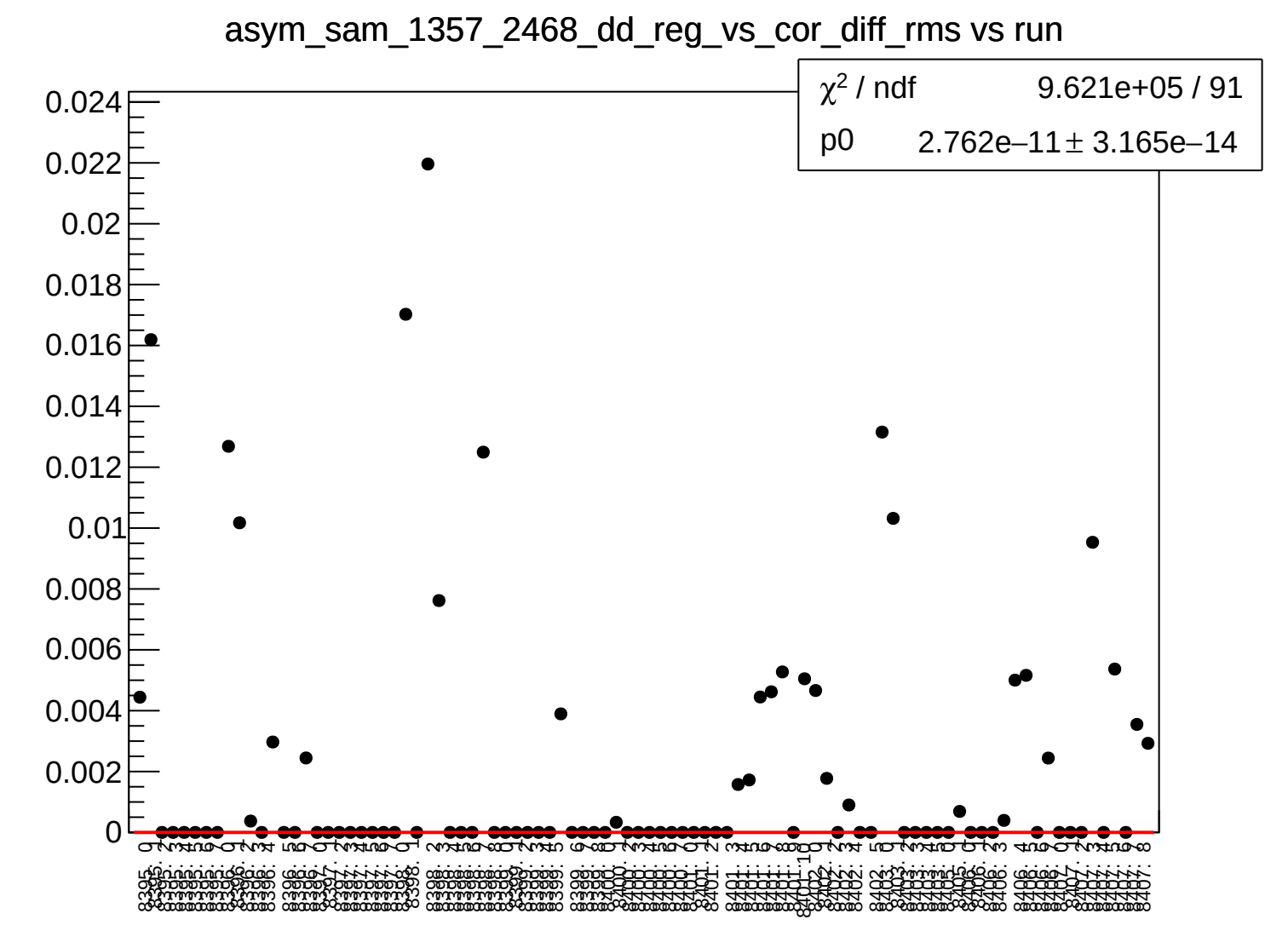

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 77.62 / 91
p0 −348.6 ± 473
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 92
Mean 581.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

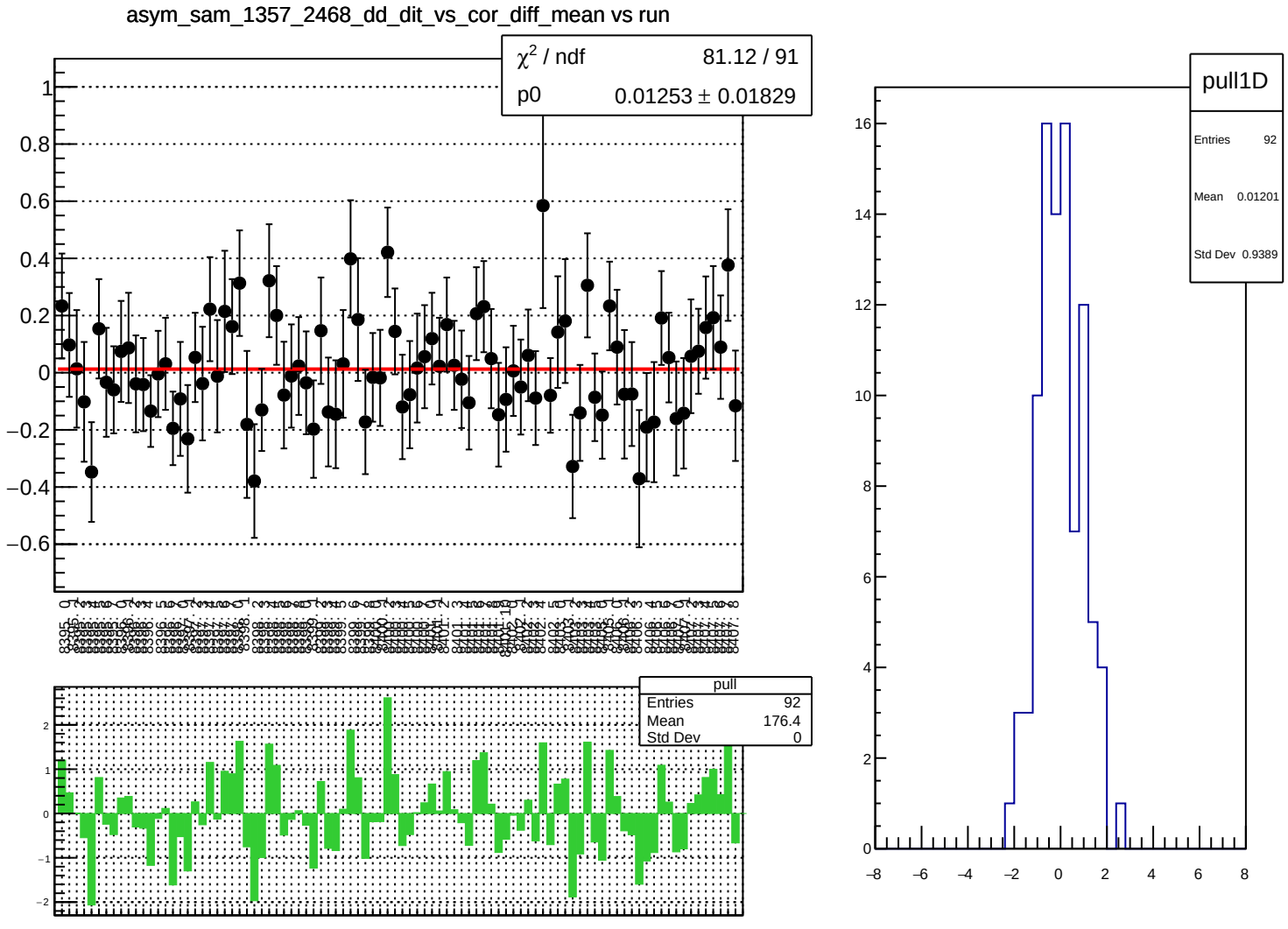

pull1D
Entries 92
Mean −0.001798
Std Dev 0.9185
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

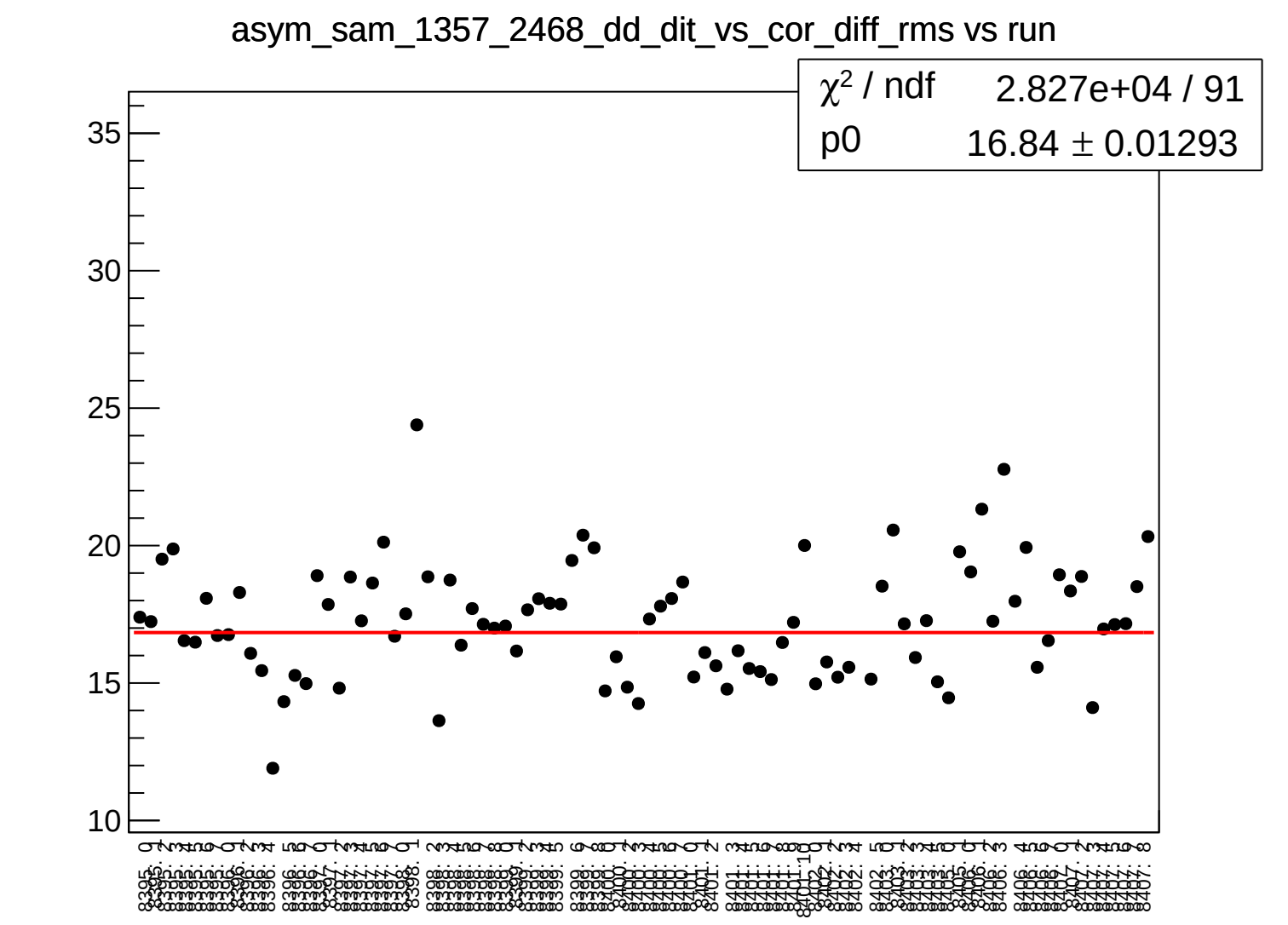

asym_sam_1357_2468_dd_rms vs run
$\chi^2$ / ndf 6633 / 91
p0 438.2 ± 0.3344
520
500
480
460
440
420
400

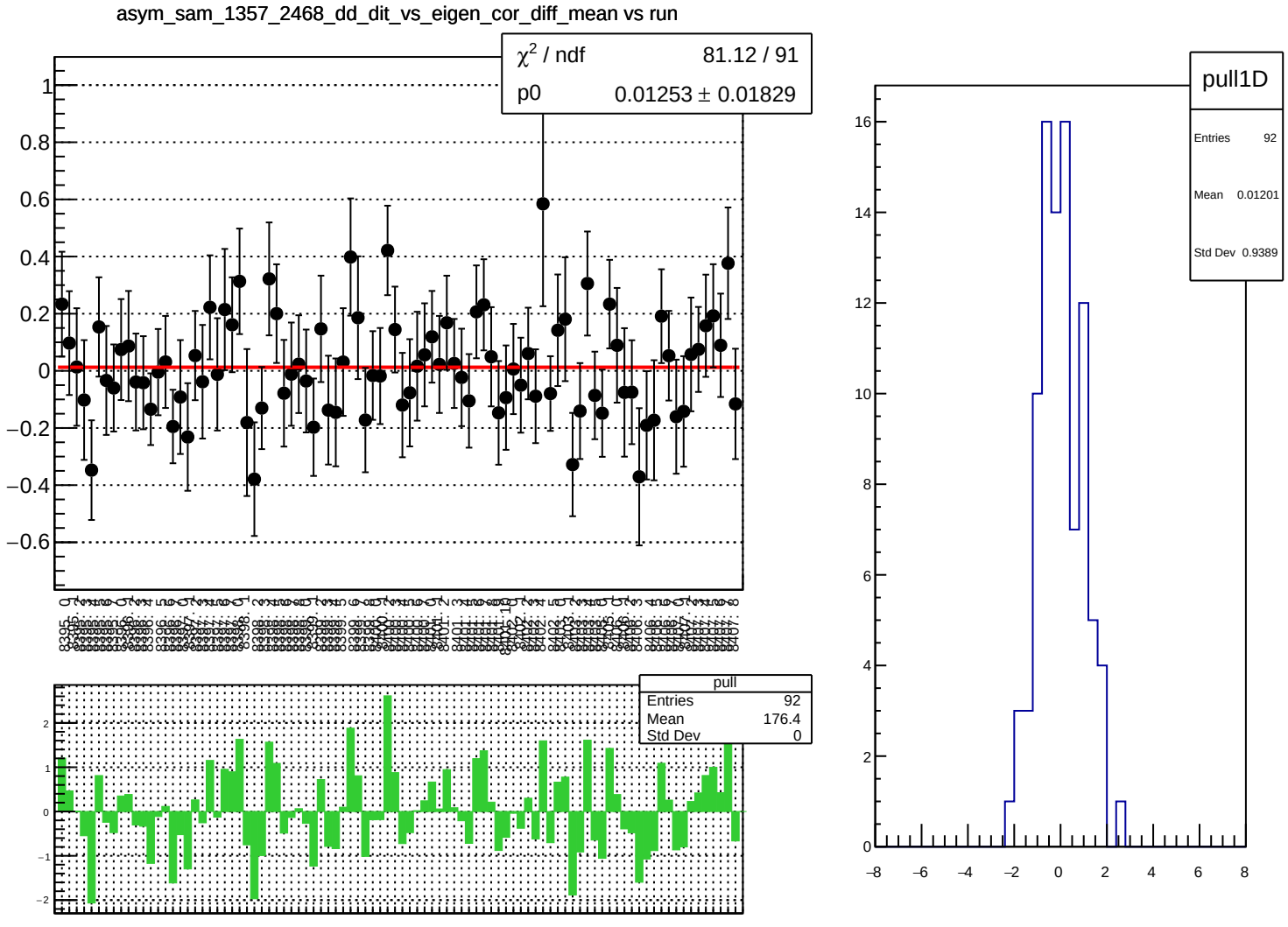

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 82.95 / 91
p0 −4.613e−14 ± 4.476e−14
pull
Entries 92
Mean 13.46
Std Dev 0

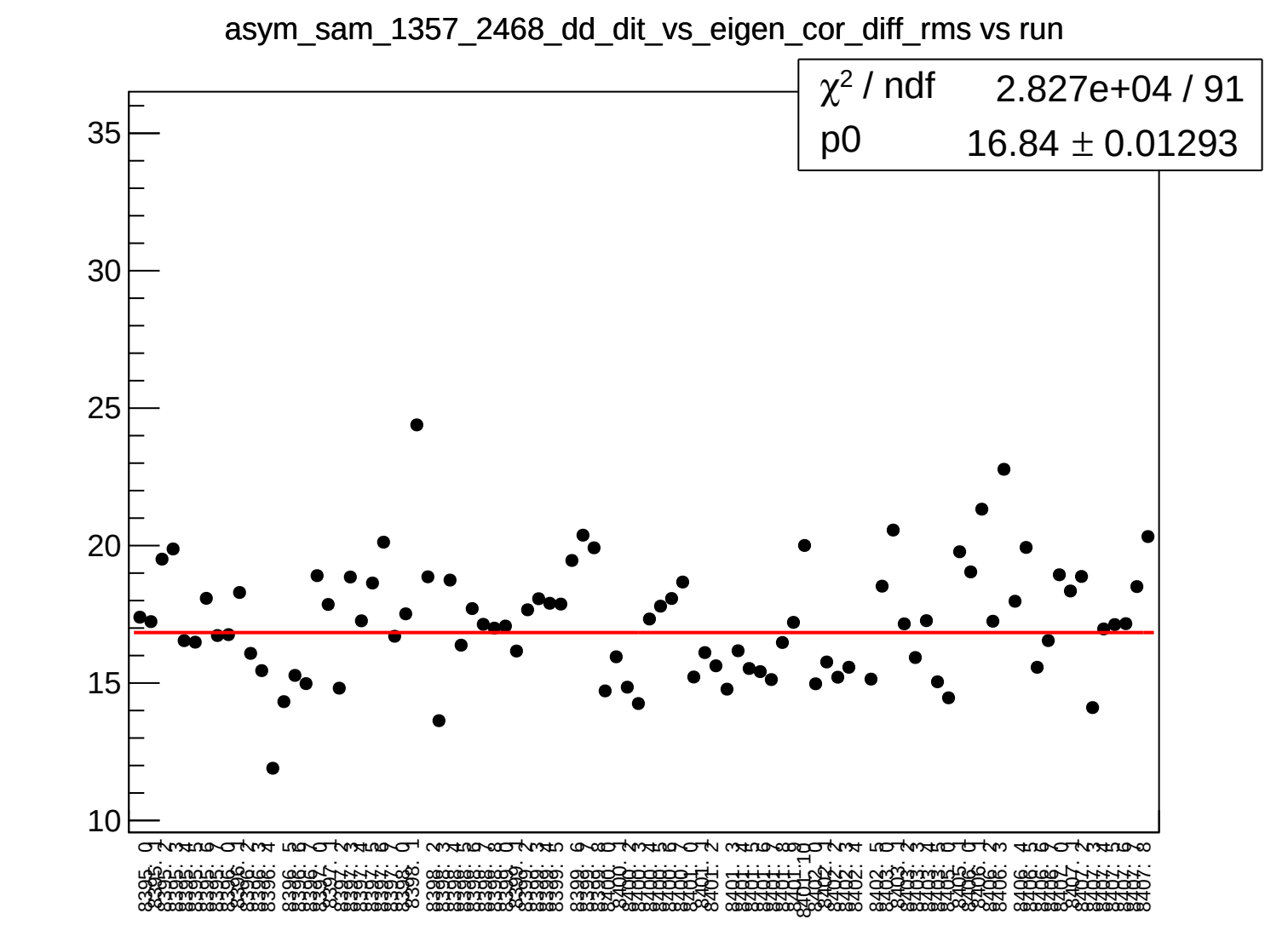

pull1D
Entries 92
Mean −0.02972
Std Dev 0.9491

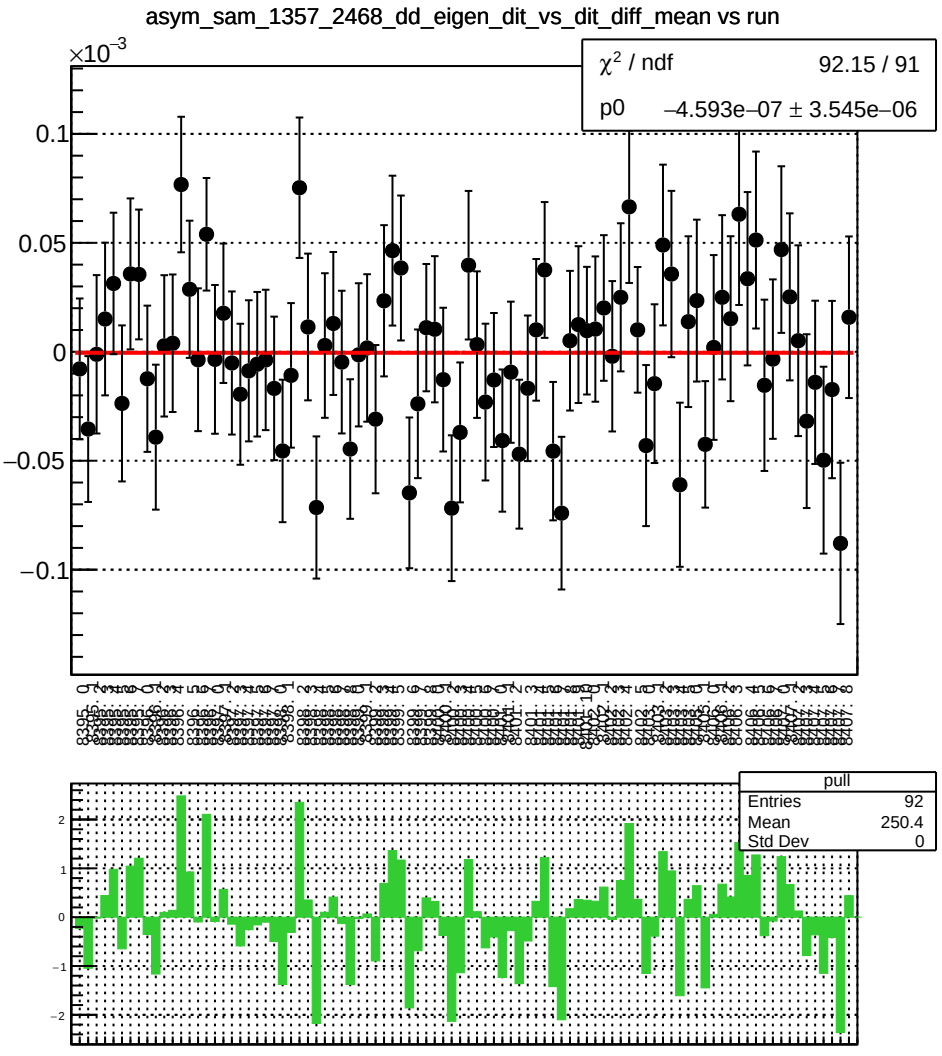

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.621e+05 / 91
p0 2.762e−11 ± 3.165e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

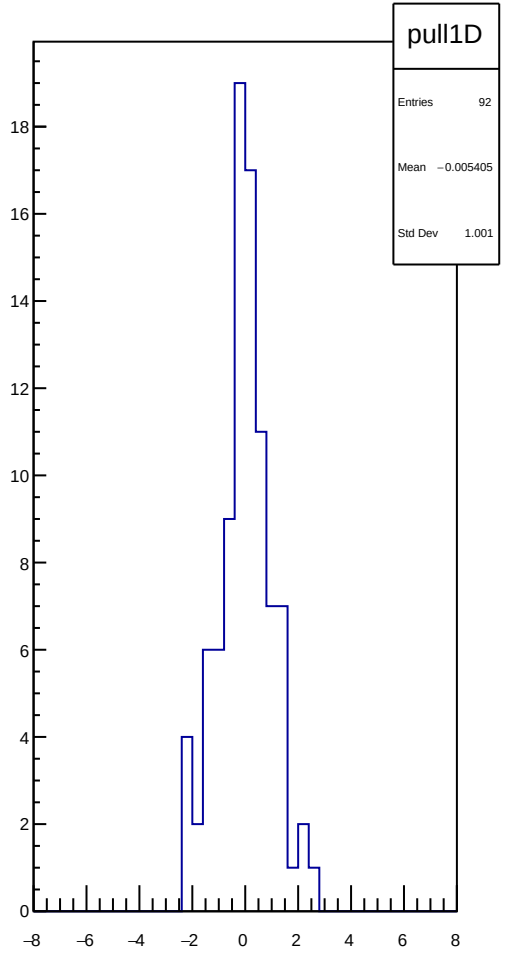

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.12 / 91
p0 0.01253 ± 0.01829
pull
Entries 92
Mean 176.4
Std Dev 0
pull1D
Entries 92
Mean 0.01201
Std Dev 0.9389

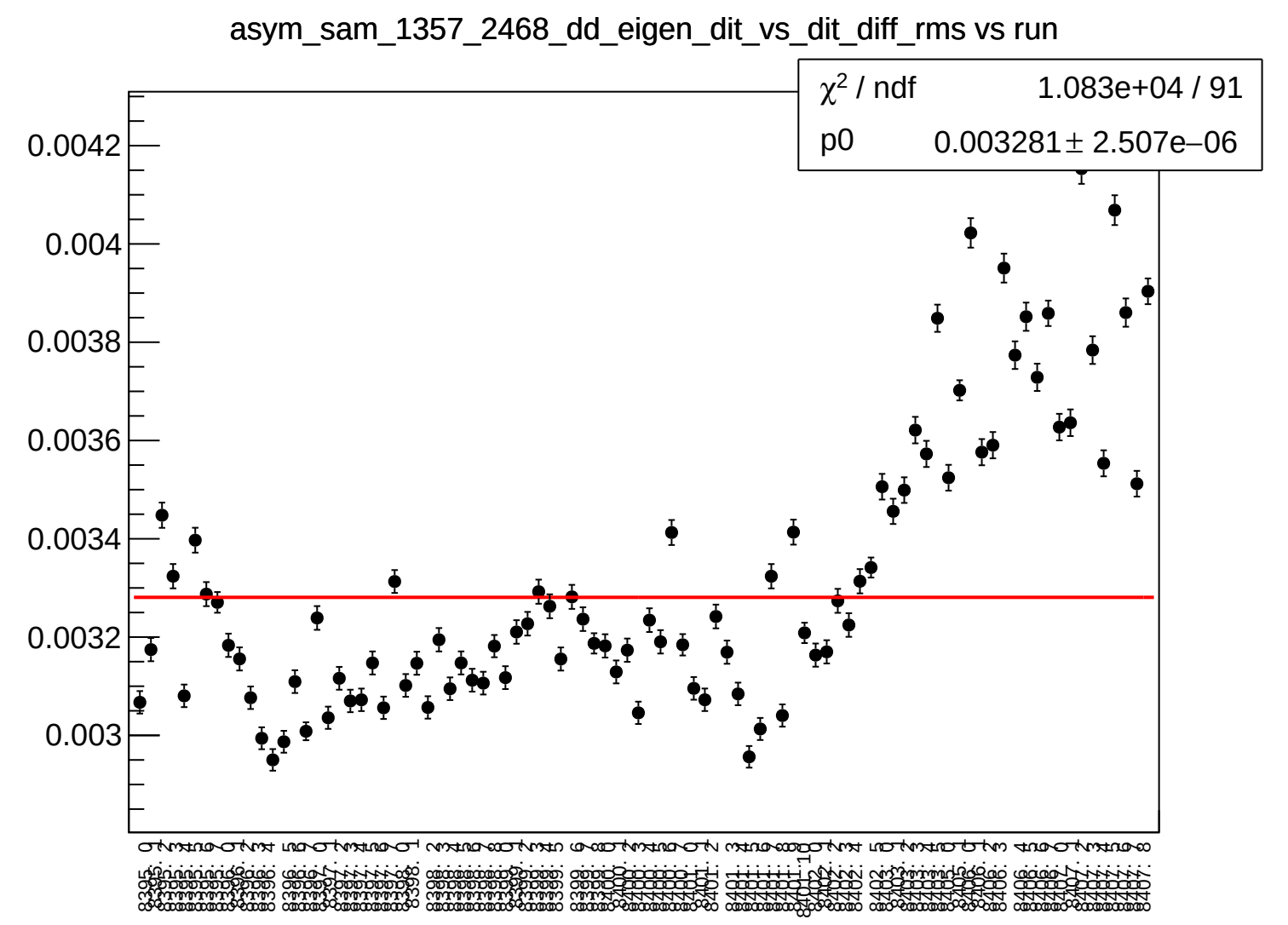

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.827e+04 / 91
p0 16.84 ± 0.01293
35
30
25
20
15
10

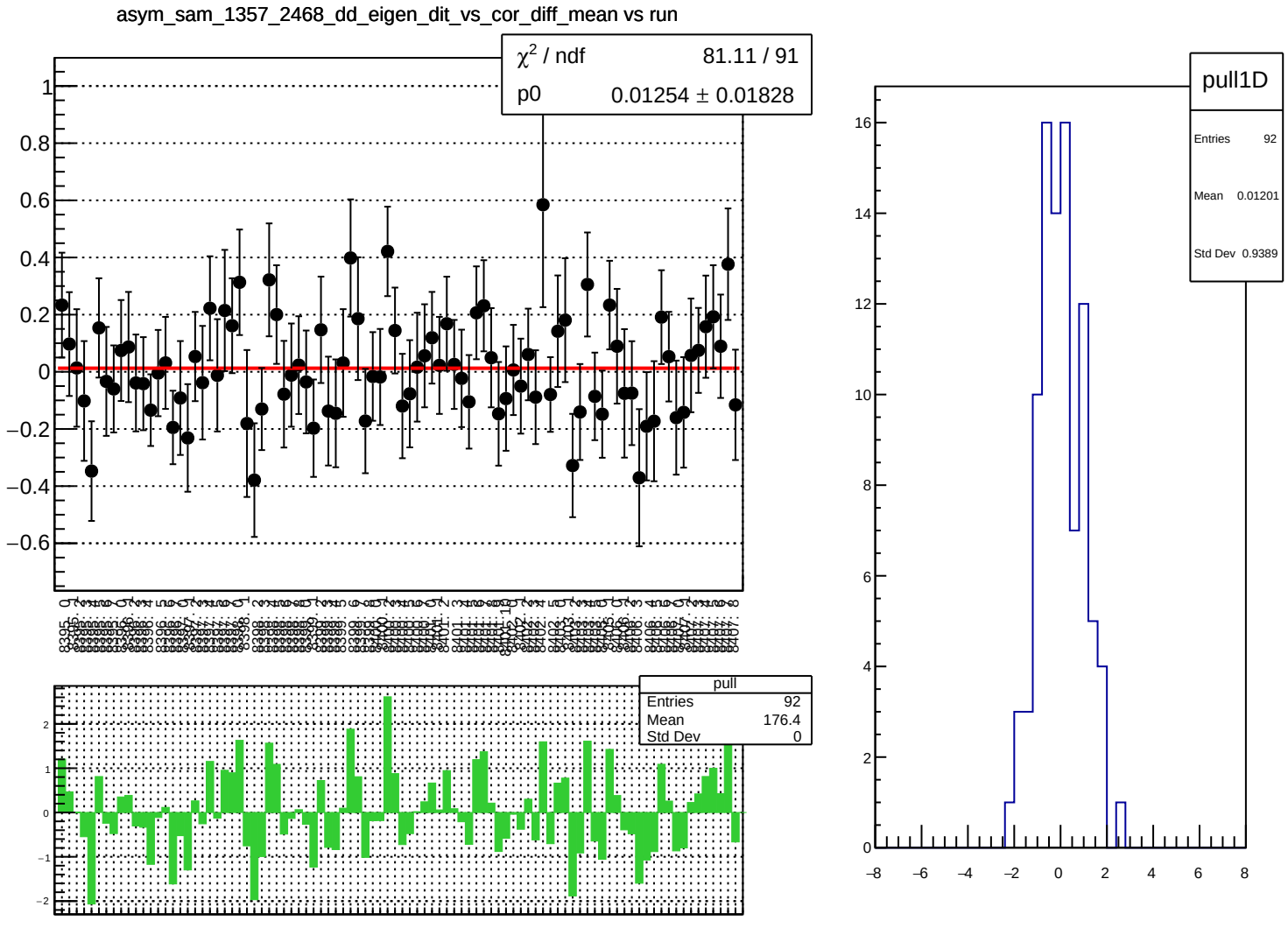

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.12 / 91
p0 0.01253 ± 0.01829
pull
Entries 92
Mean 176.4
Std Dev 0
pull1D
Entries 92
Mean 0.01201
Std Dev 0.9389

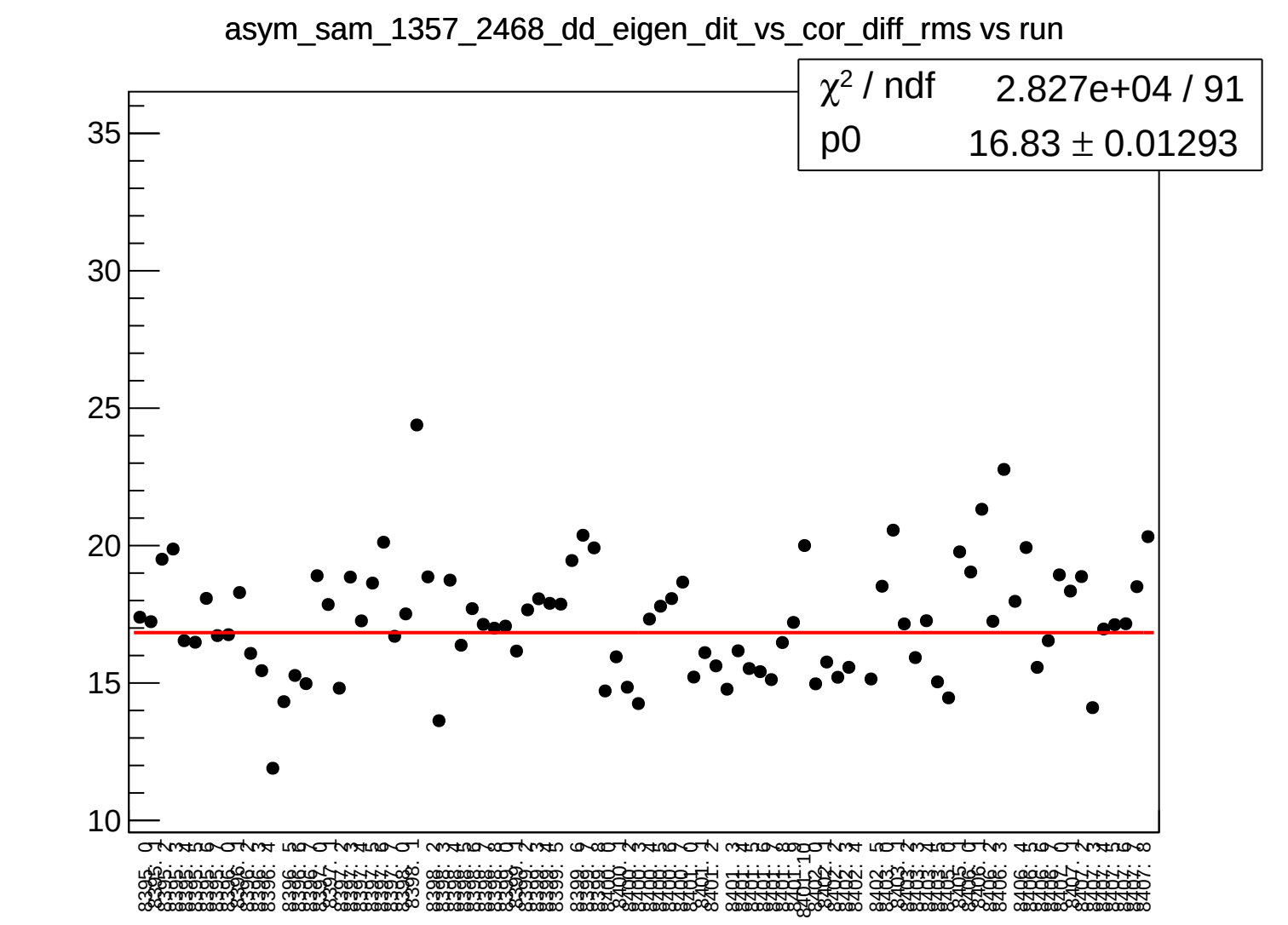

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.827e+04 / 91
p0 16.84 ± 0.01293
35
30
25
20
15
10

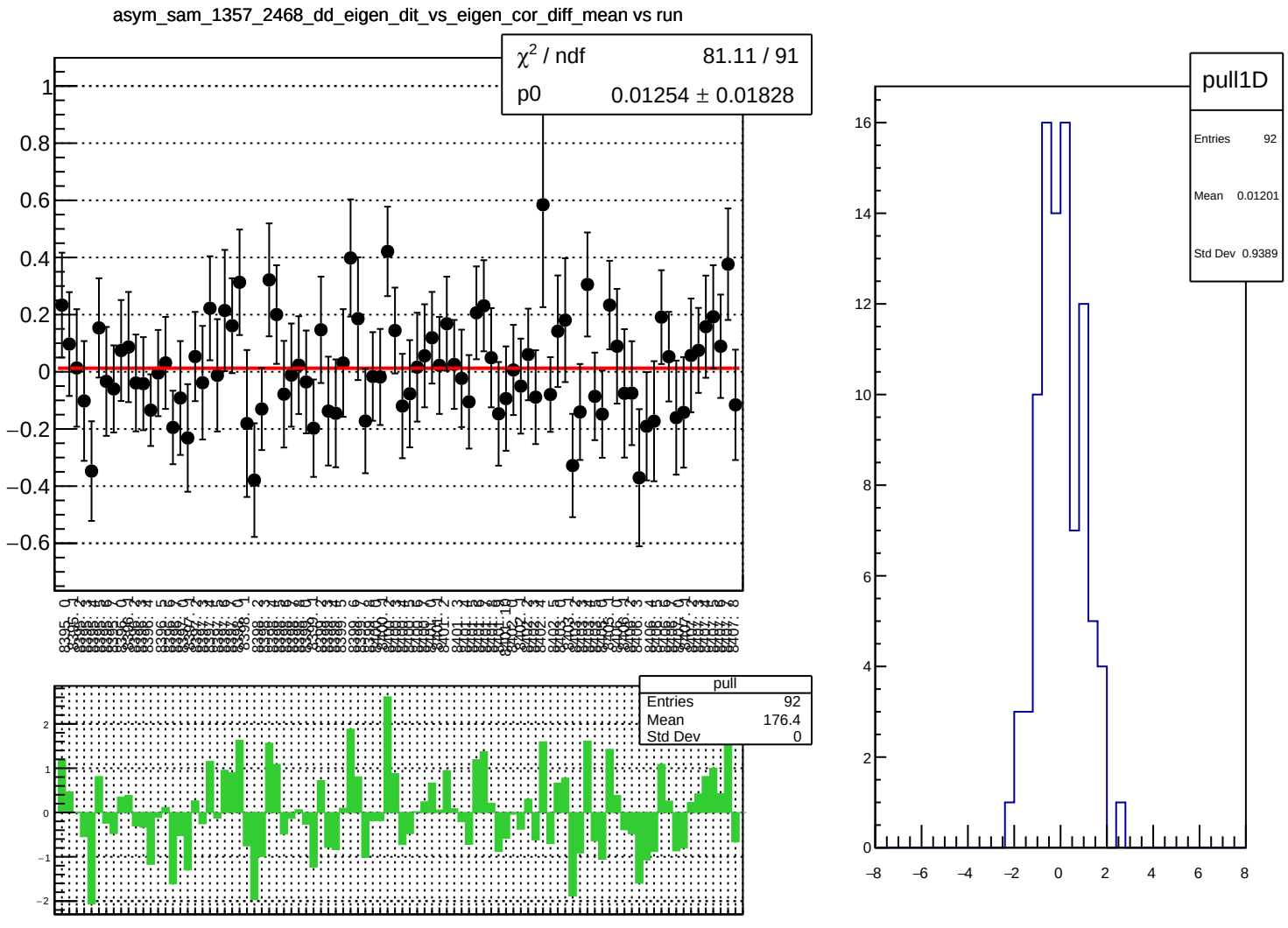

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.15 / 91
p0 −4.593e−07 ± 3.545e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 92
Mean 250.4
Std Dev 0
2
1
0
−1
−2

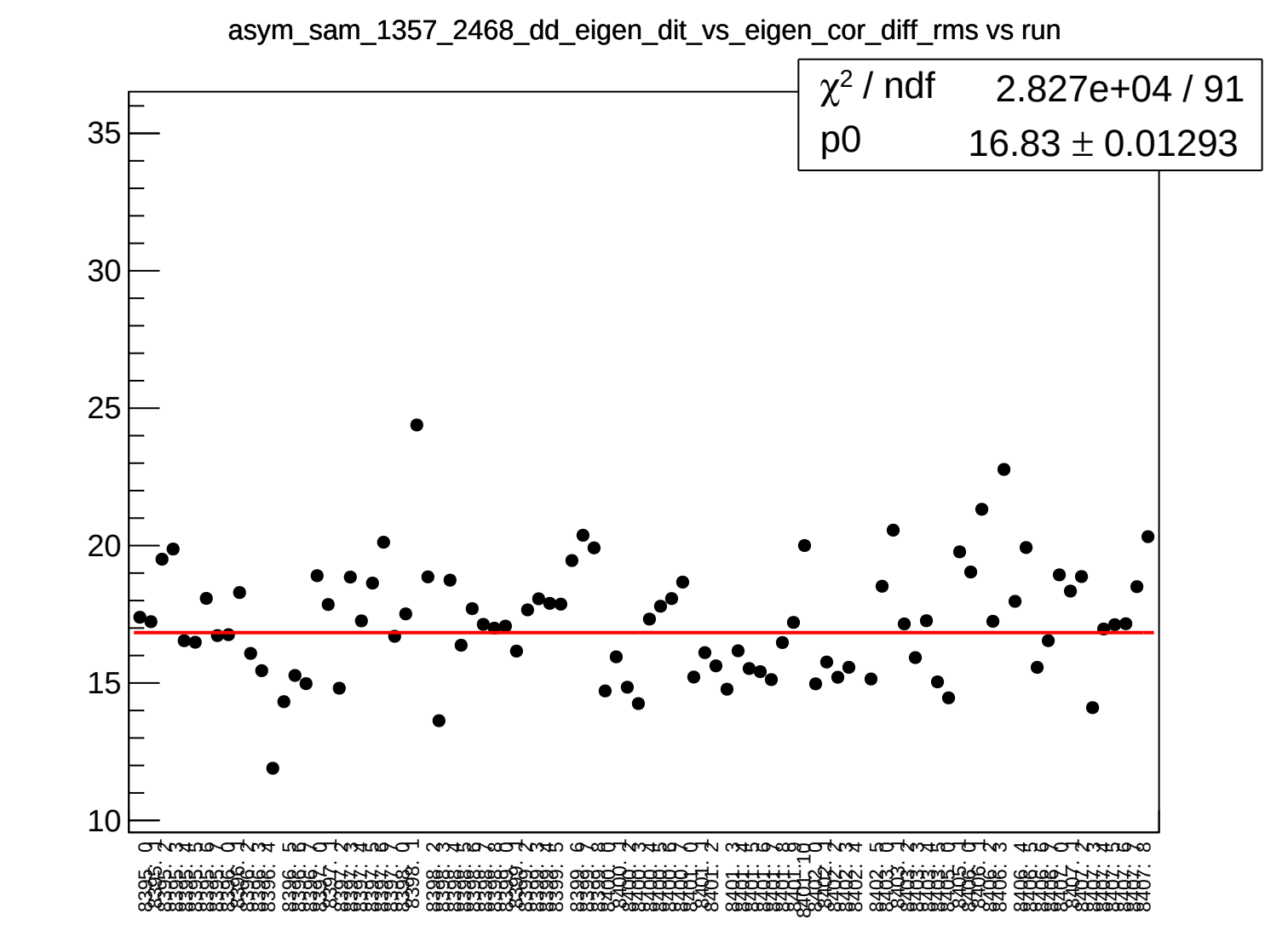

pull1D
Entries 92
Mean −0.005405
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

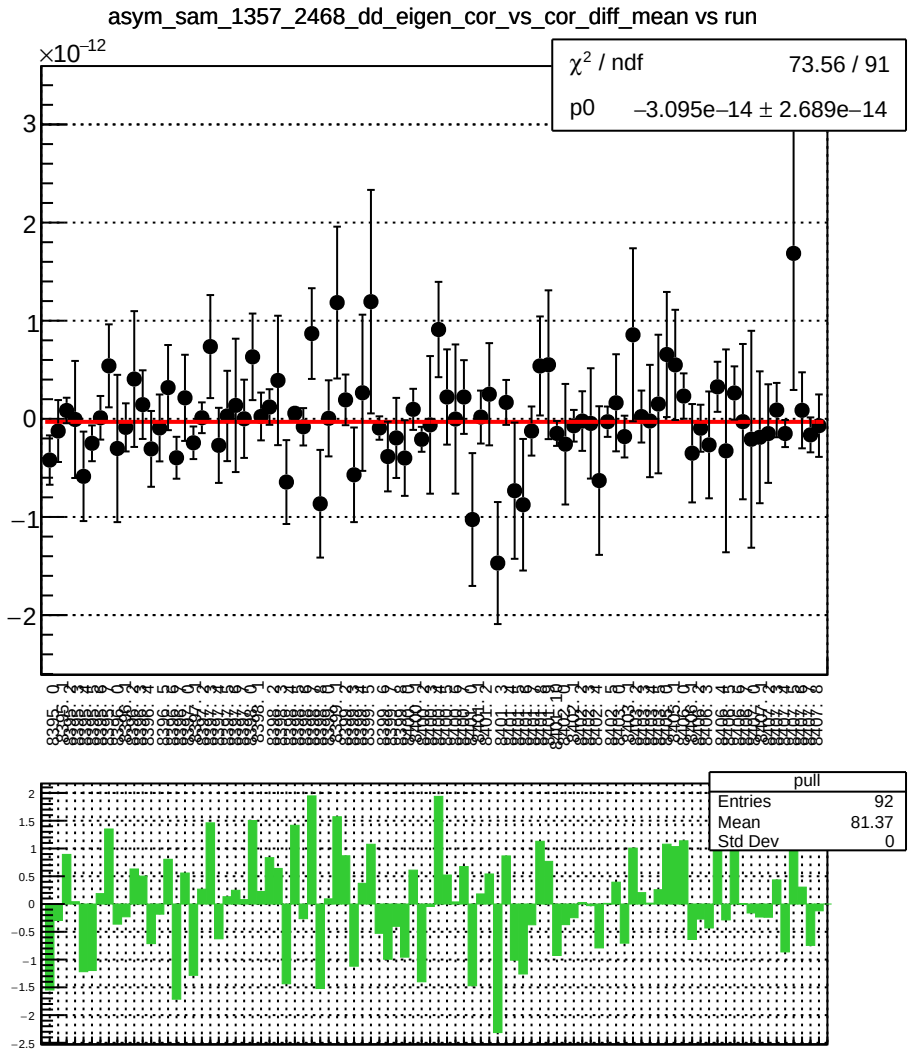

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.083e+04 / 91
p0 0.003281 ± 2.507e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003

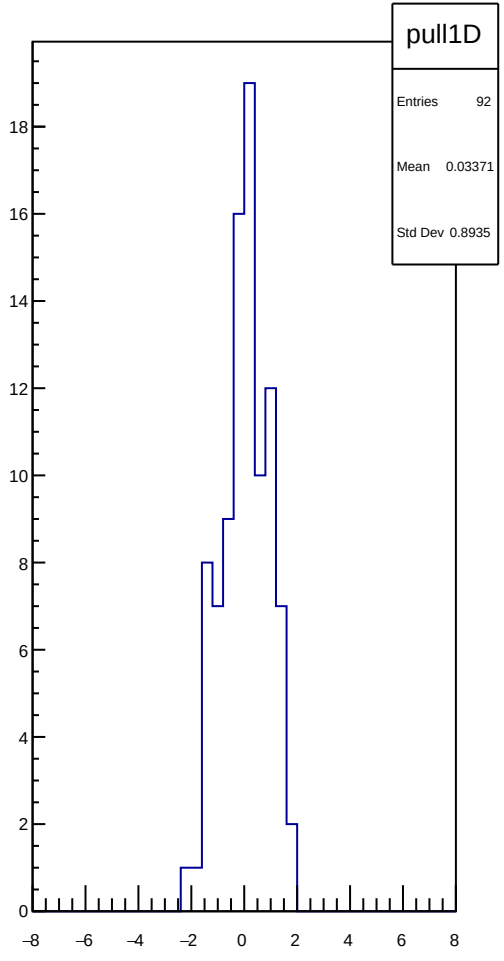

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.11 / 91
p0 0.01254 ± 0.01828
pull
Entries 92
Mean 176.4
Std Dev 0
pull1D
Entries 92
Mean 0.01201
Std Dev 0.9389

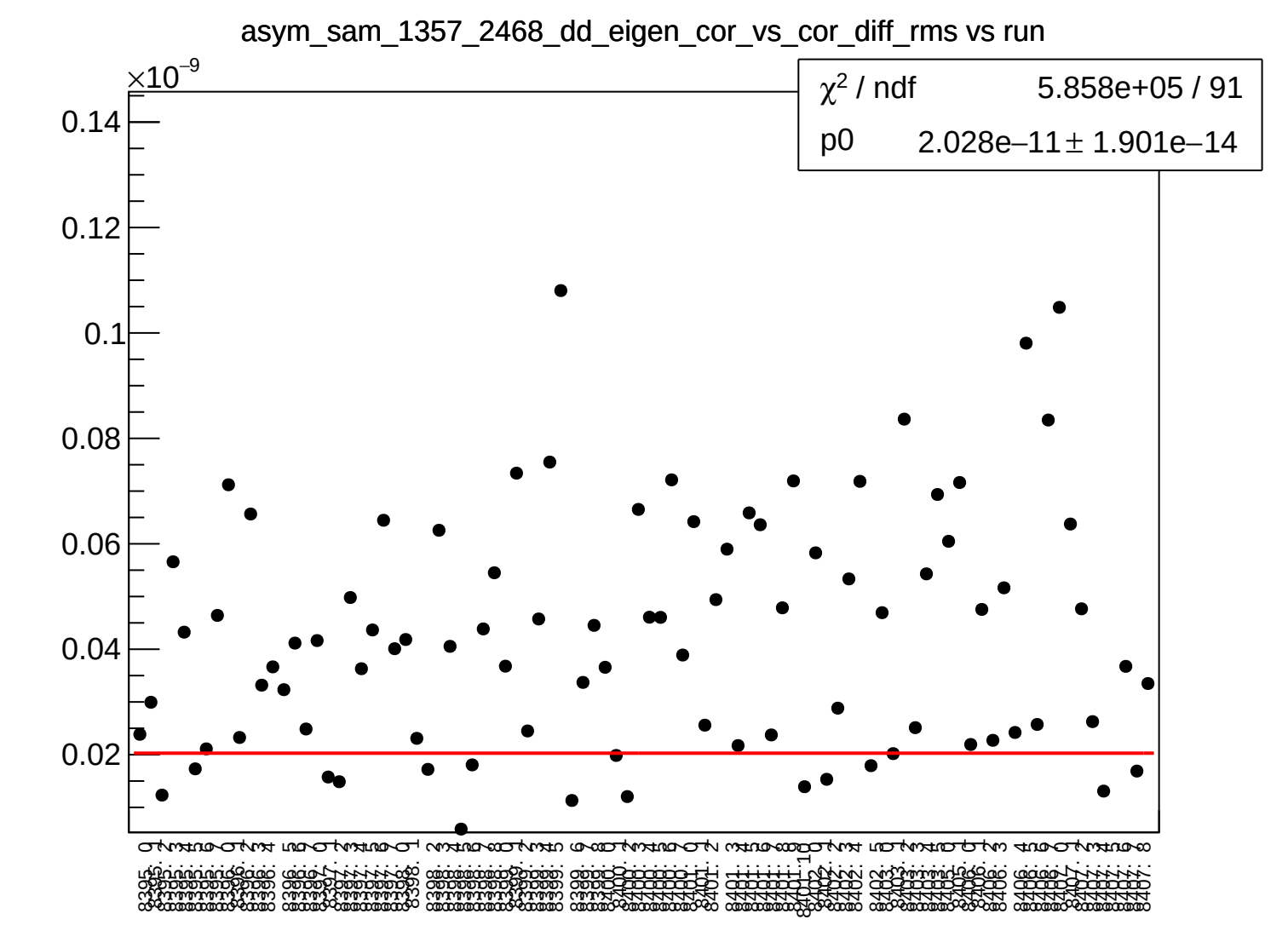

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.827e+04 / 91
p0 16.83 ± 0.01293
35
30
25
20
15
10

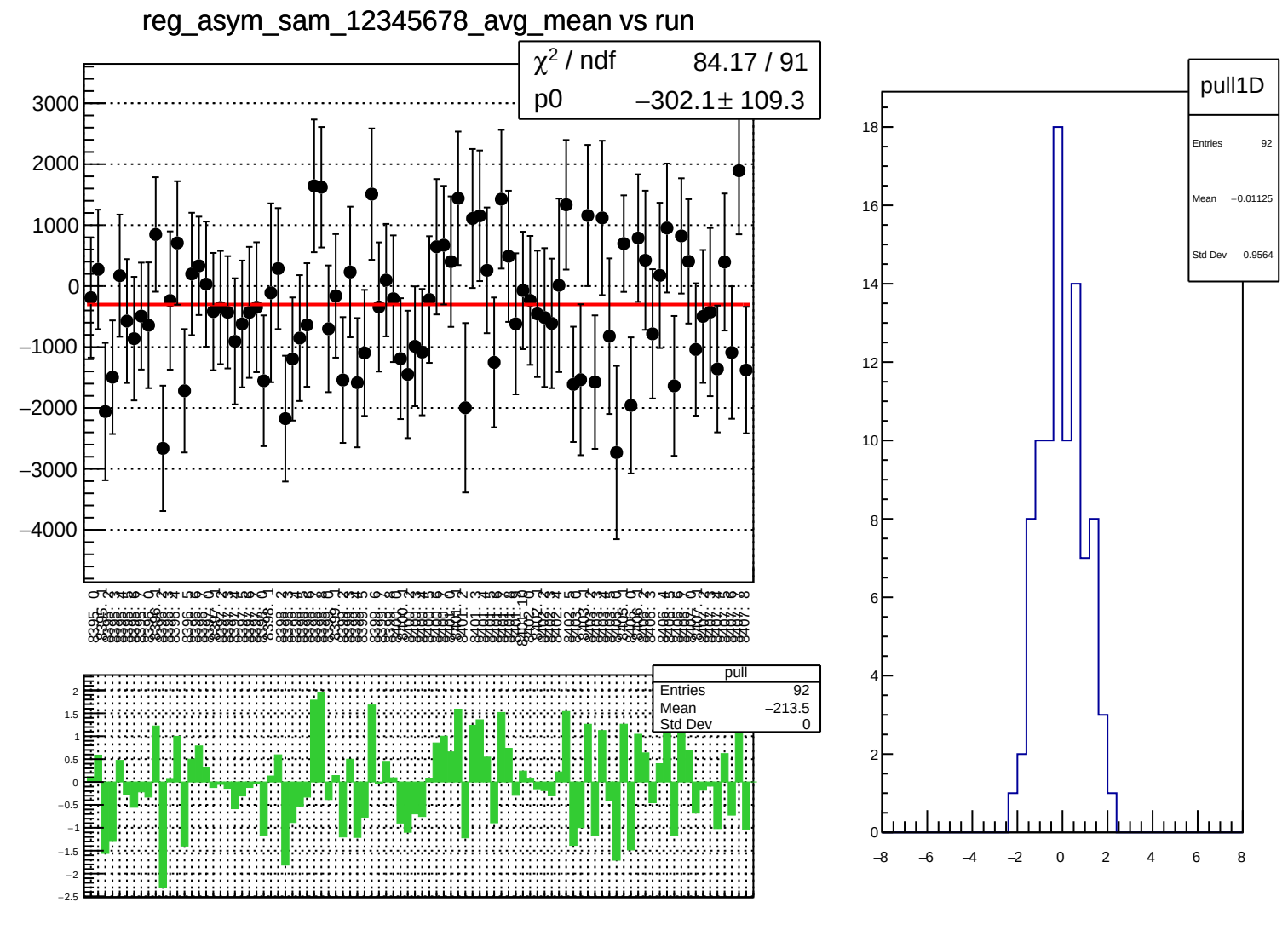

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.11 / 91
p0 0.01254 ± 0.01828
pull
Entries 92
Mean 176.4
Std Dev 0
pull1D
Entries 92
Mean 0.01201
Std Dev 0.9389

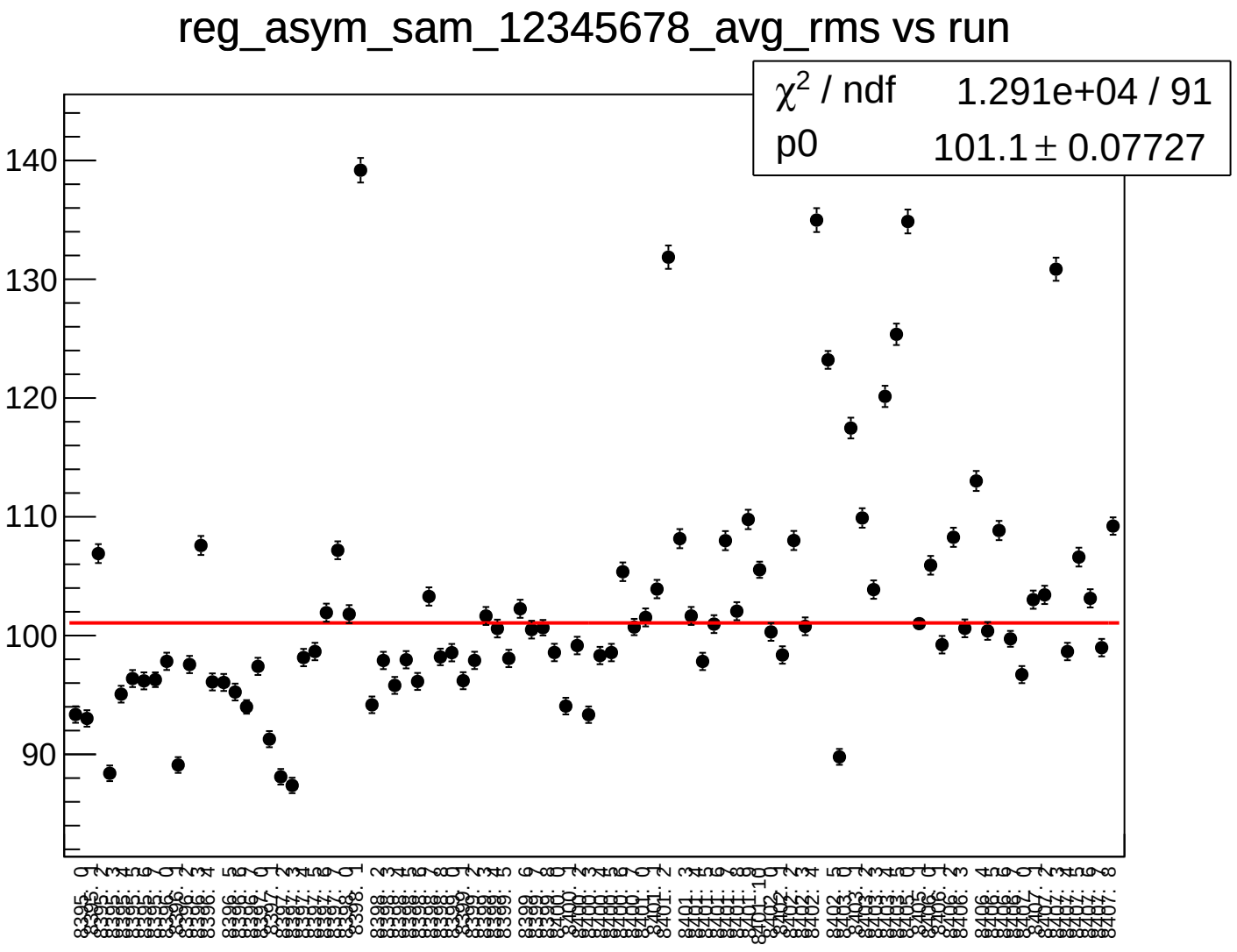

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.827e+04 / 91
p0 16.83 ± 0.01293
35
30
25
20
15
10

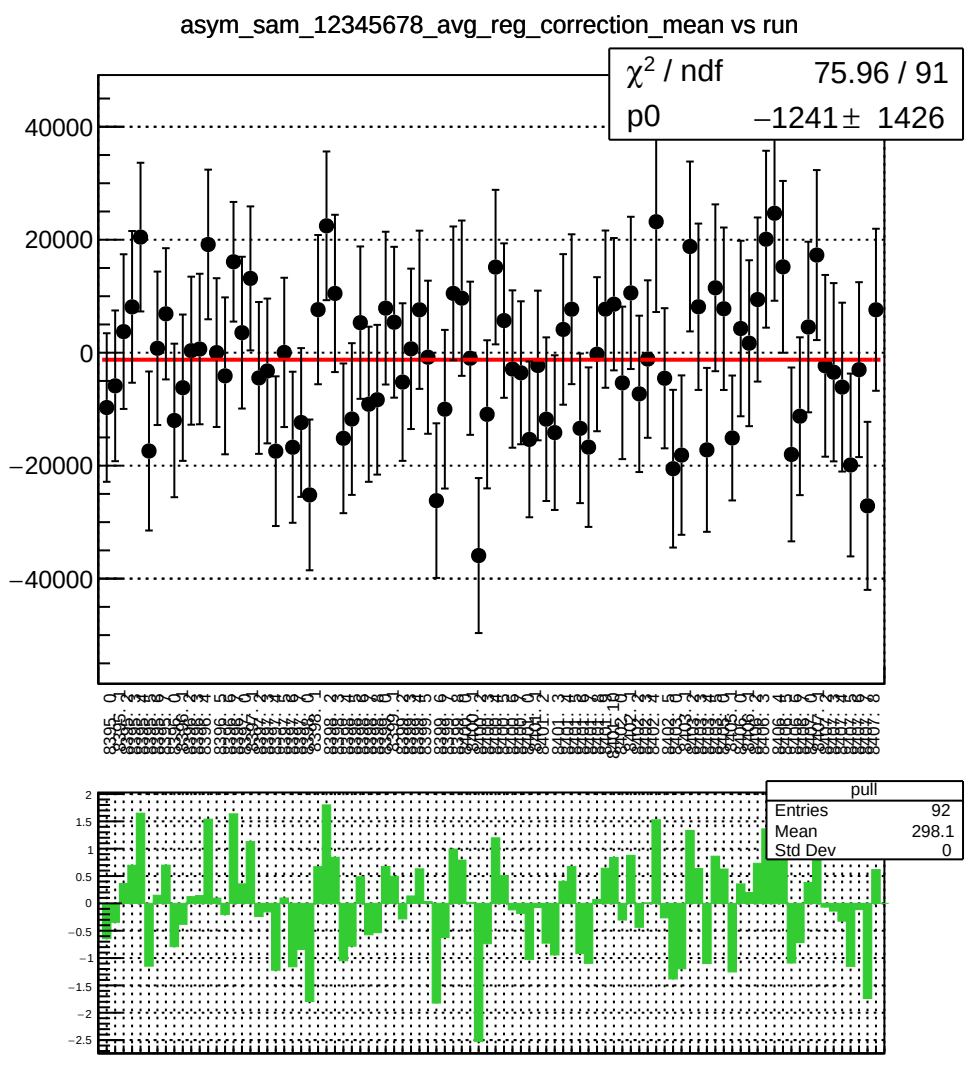

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 73.56 / 91
p0 −3.095e−14 ± 2.689e−14
pull
Entries 92
Mean 81.37
Std Dev 0

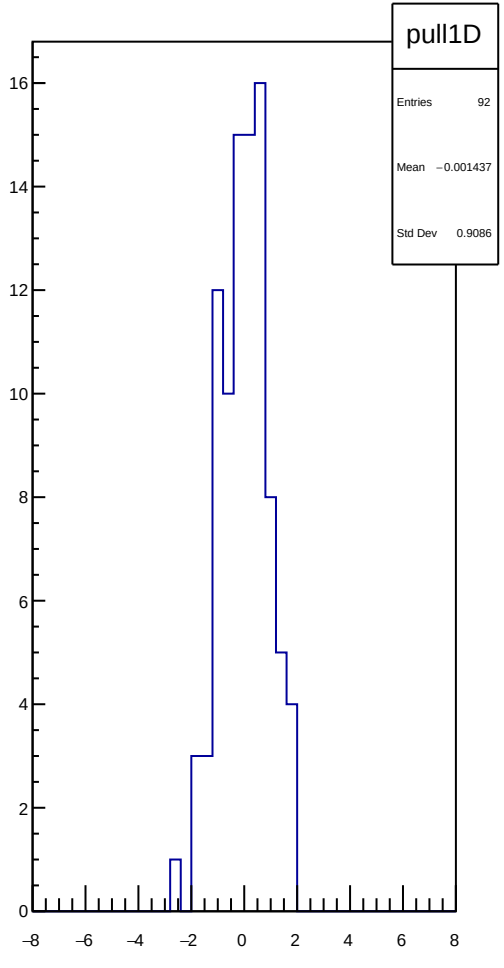

pull1D
Entries 92
Mean 0.03371
Std Dev 0.8935

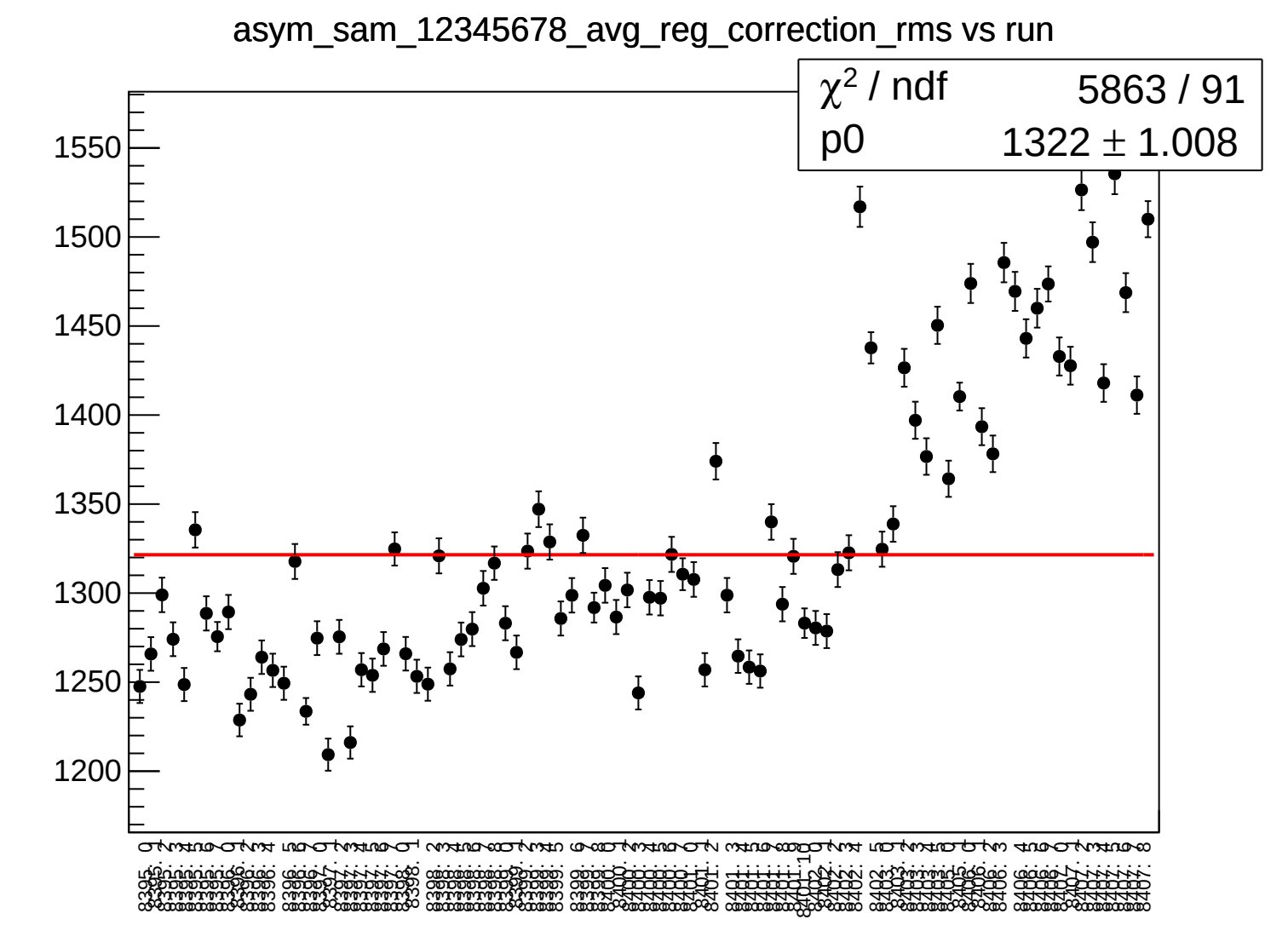

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.858e+05 / 91
p0 2.028e−11 ± 1.901e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

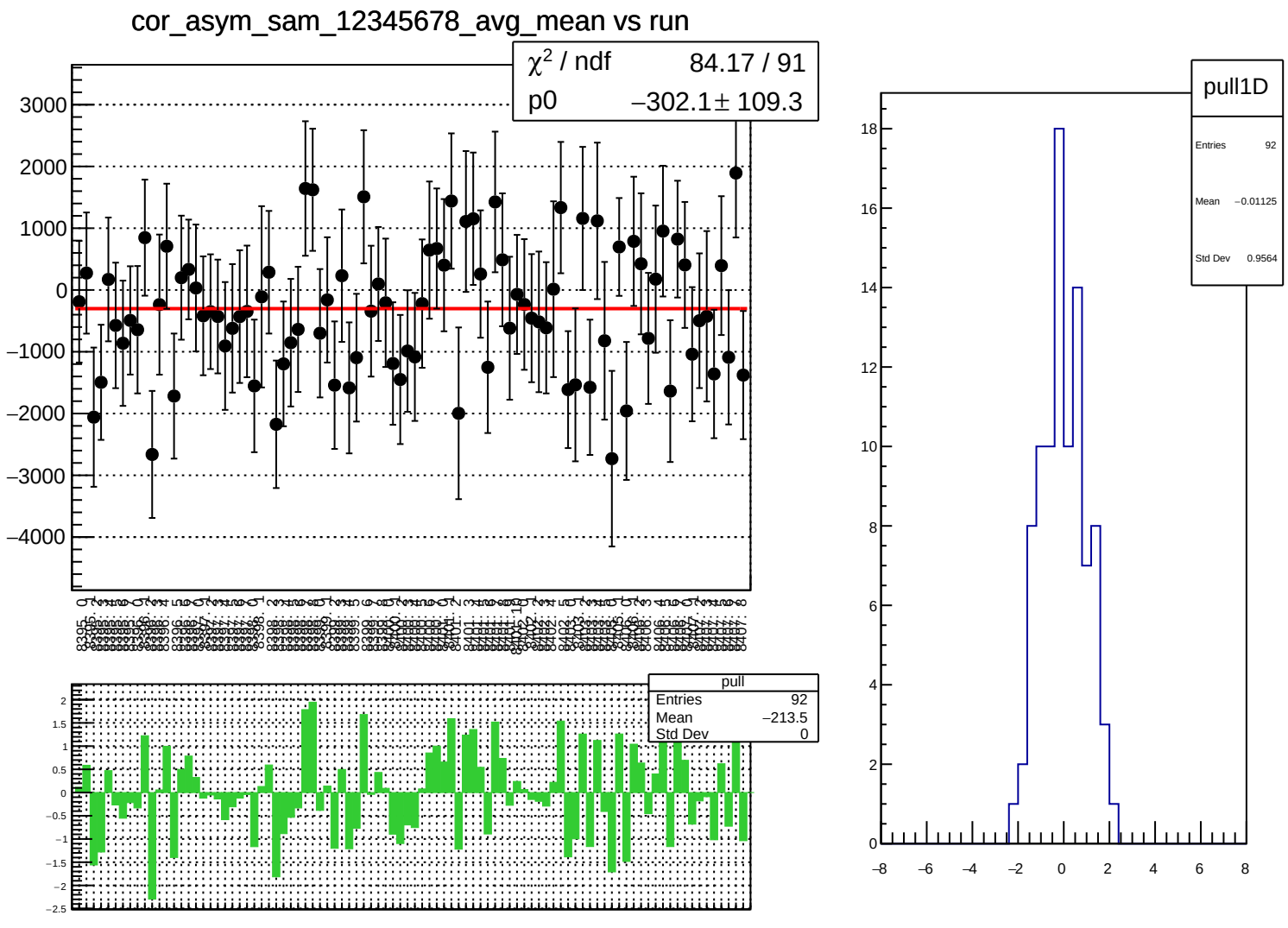

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 84.17 / 91
p0 −302.1± 109.3
pull
Entries 92
Mean −213.5
Std Dev 0
pull1D
Entries 92
Mean −0.01125
Std Dev 0.9564

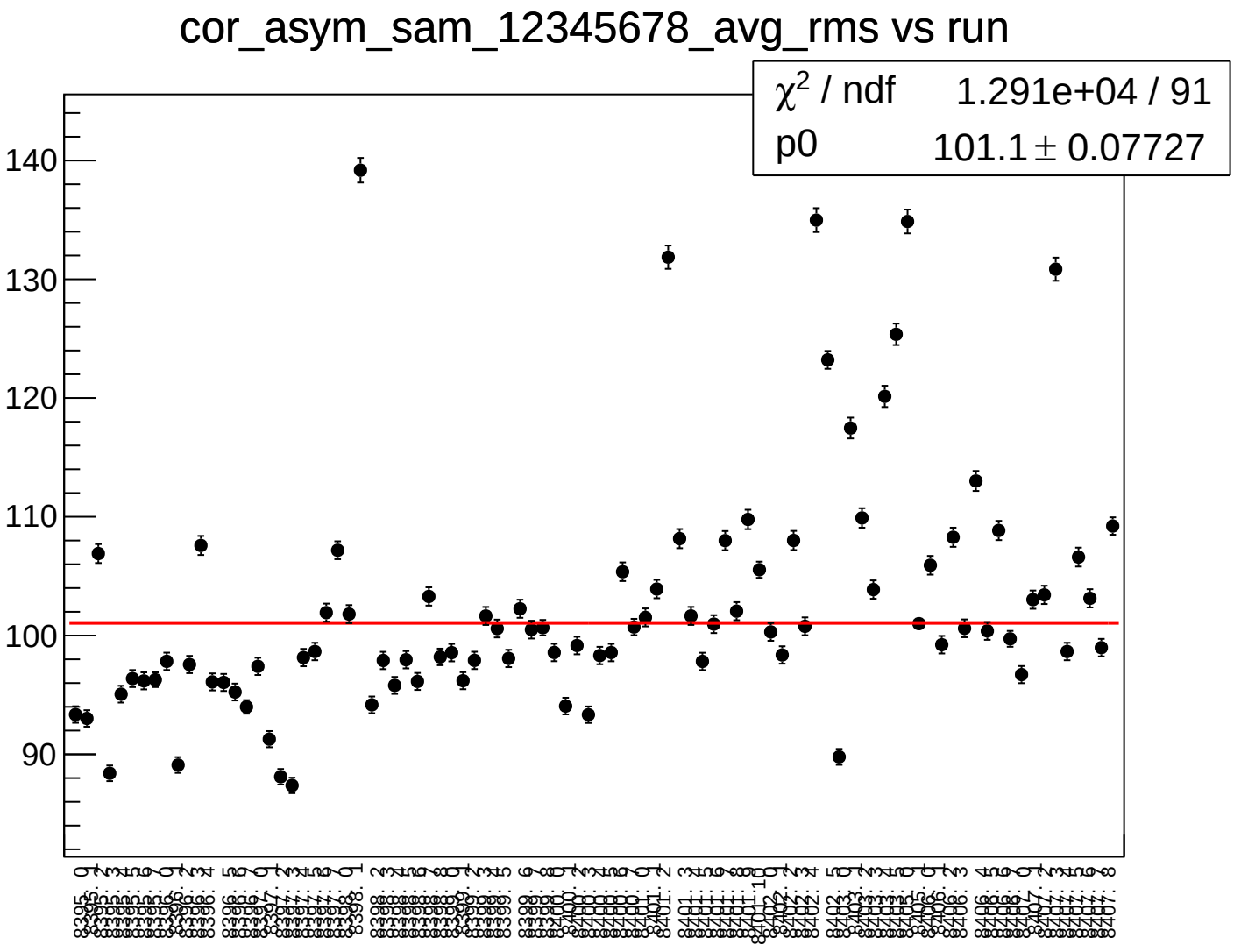

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.291e+04 / 91
p0 101.1 ± 0.07727
140
130
120
110
100
90

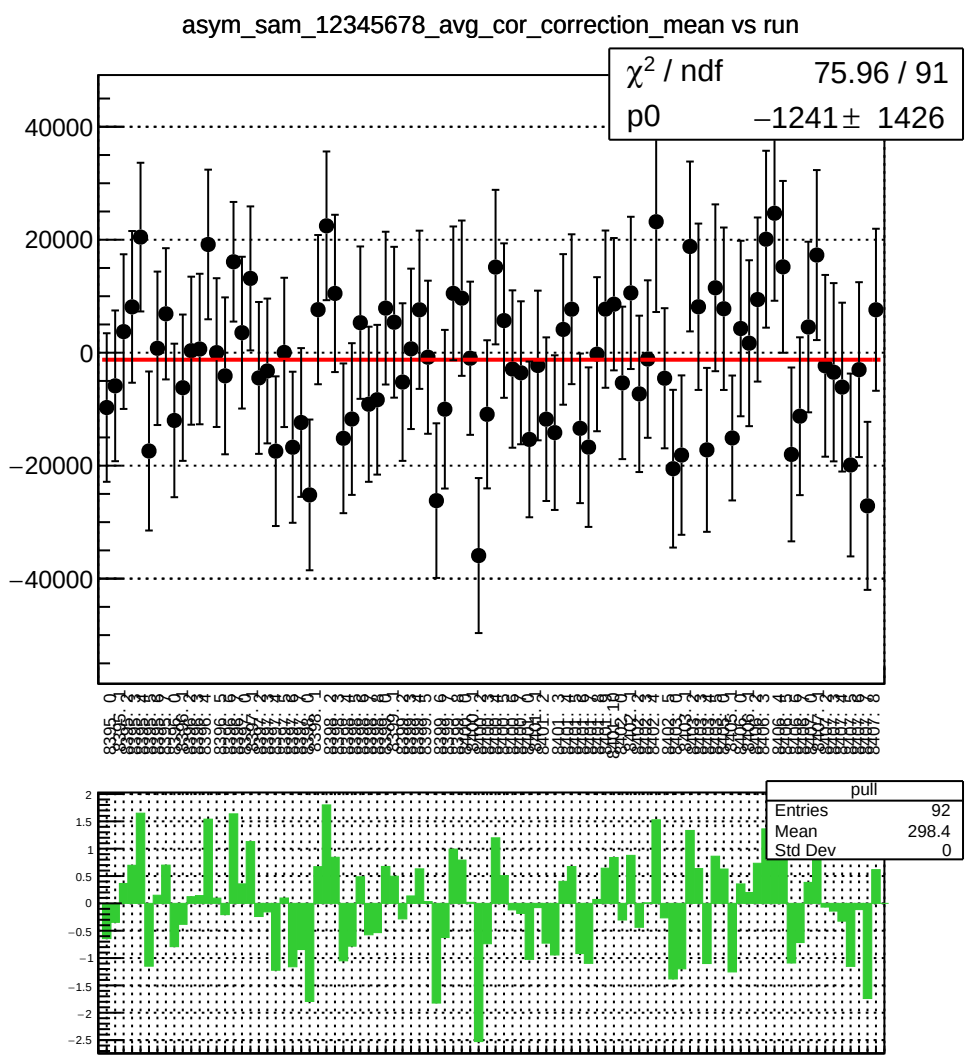

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 75.96 / 91
p0 −1241 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 298.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

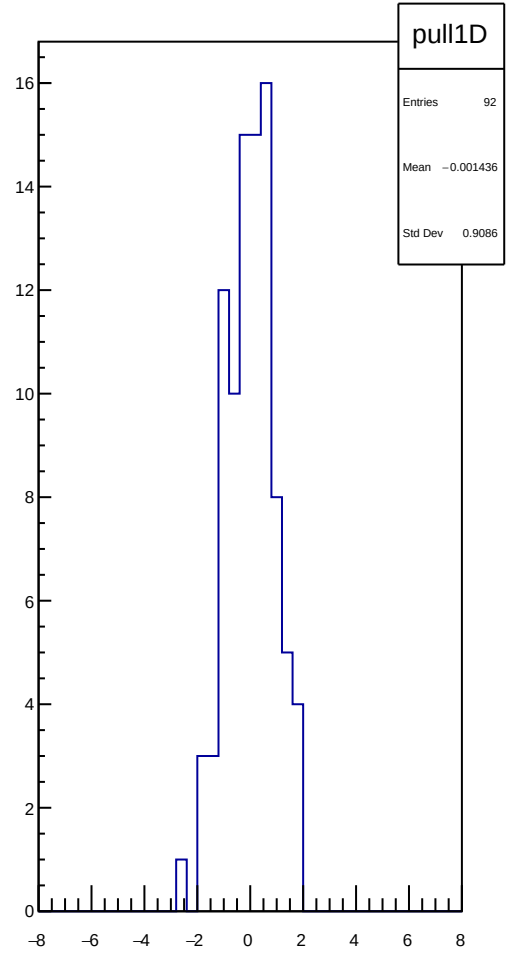

pull1D
Entries 92
Mean −0.001437
Std Dev 0.9086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

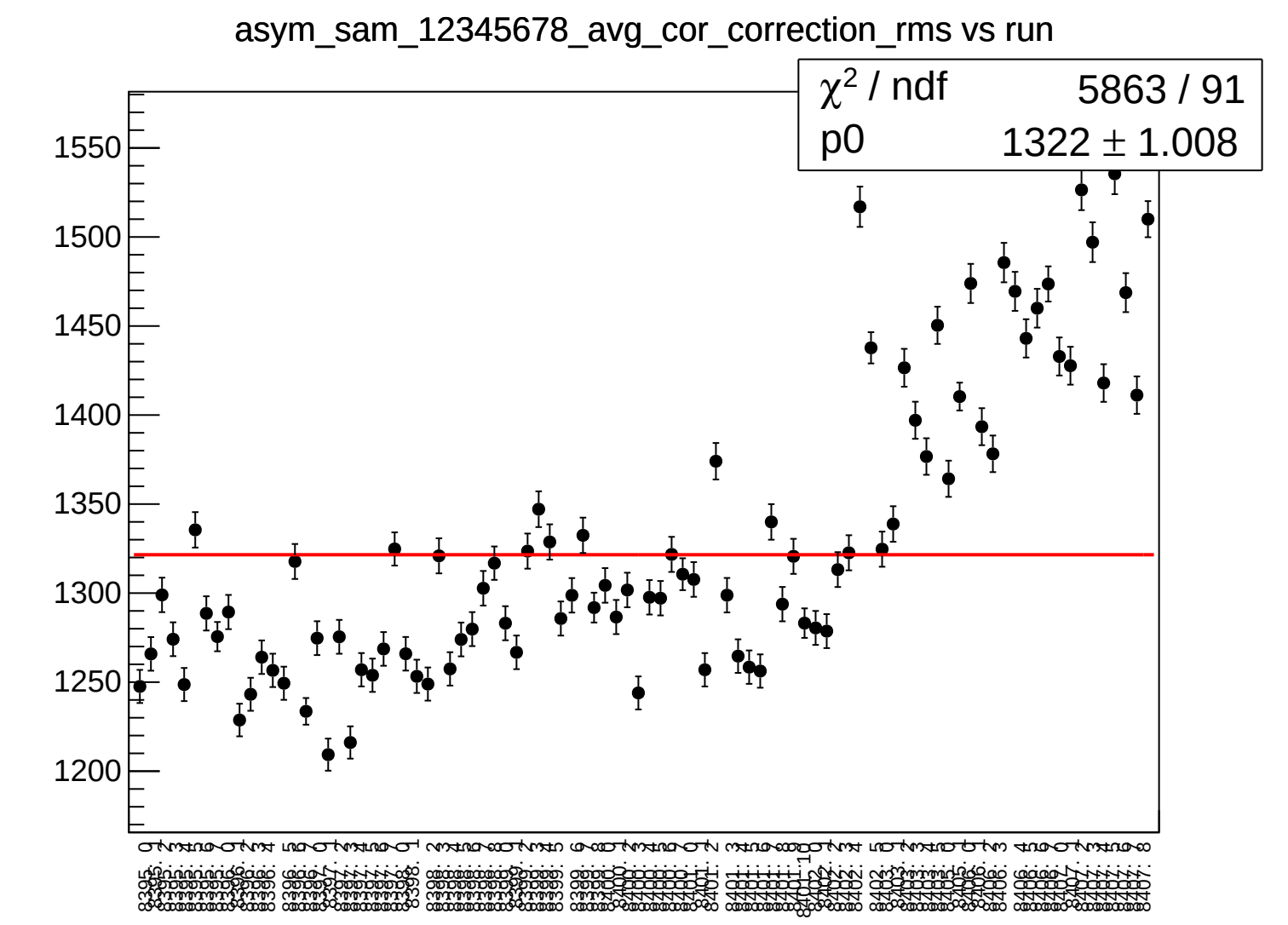

asym_sam_12345678_avg_reg_correction_rms vs run
$\chi^2$ / ndf 5863 / 91
p0 1322 ± 1.008
1550
1500
1450
1400
1350
1300
1250
1200

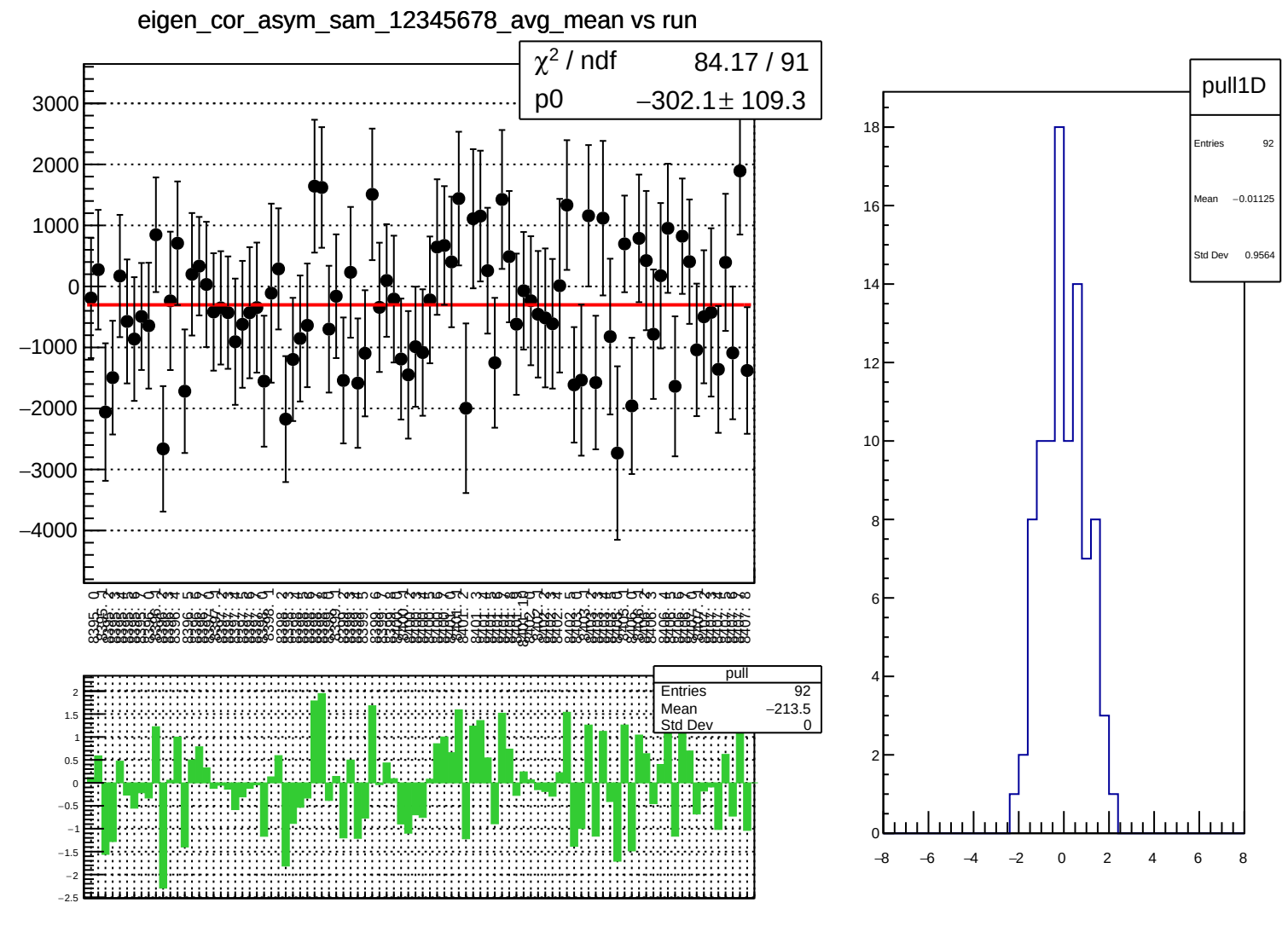

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 84.17 / 91
p0 −302.1± 109.3
pull
Entries 92
Mean −213.5
Std Dev 0
pull1D
Entries 92
Mean −0.01125
Std Dev 0.9564

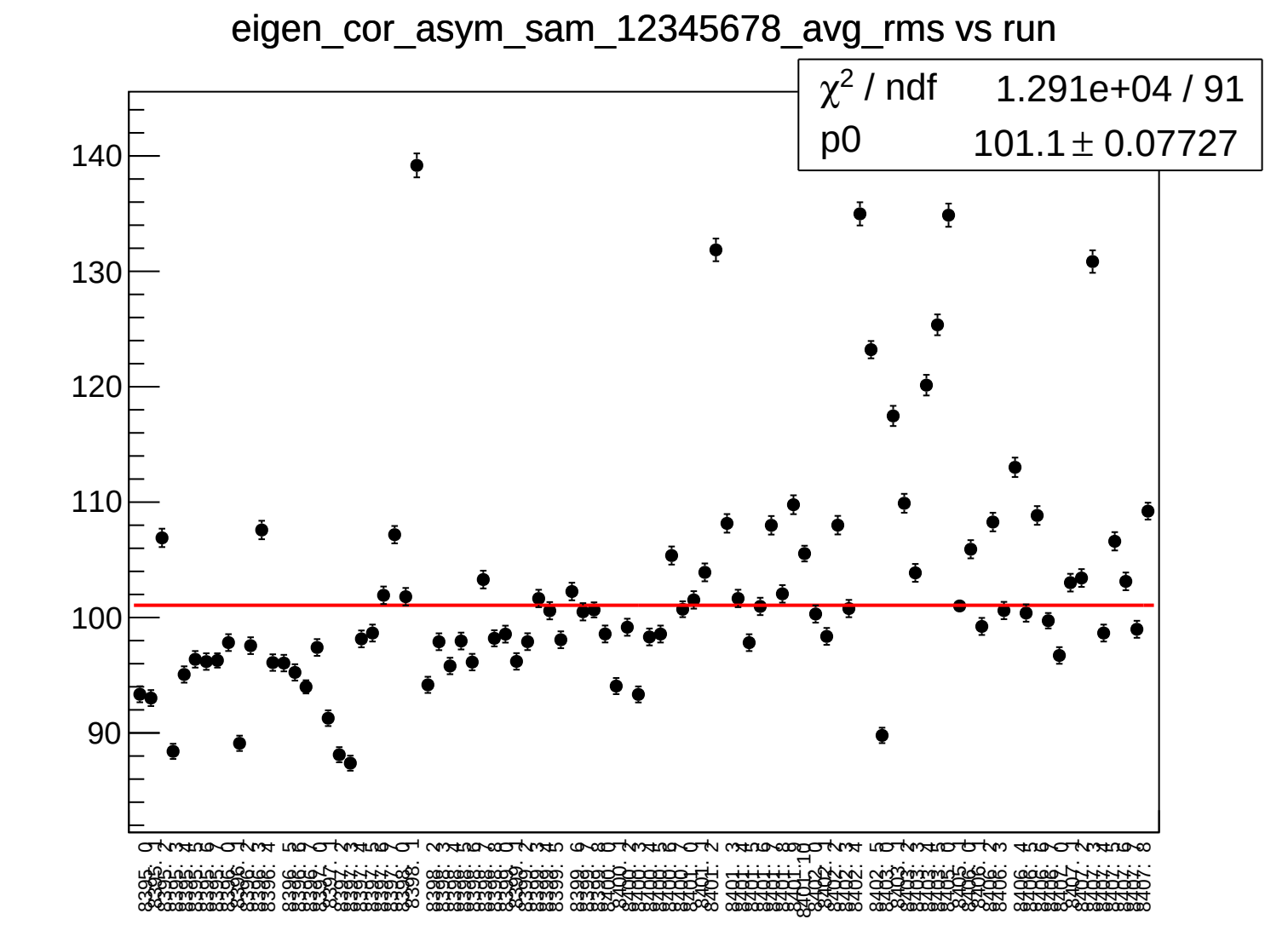

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.291e+04 / 91
p0 101.1 ± 0.07727
140
130
120
110
100
90

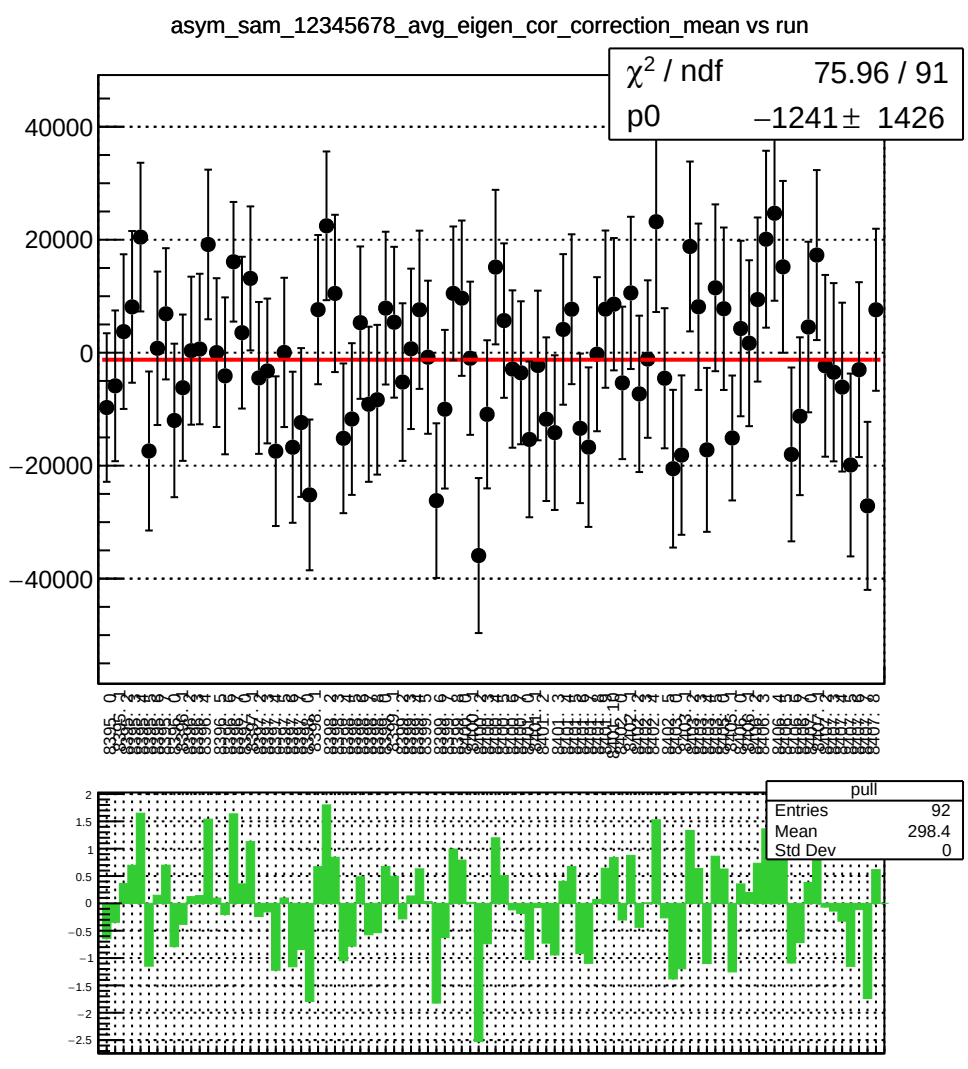

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 75.96 / 91
p0 −1241 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 298.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

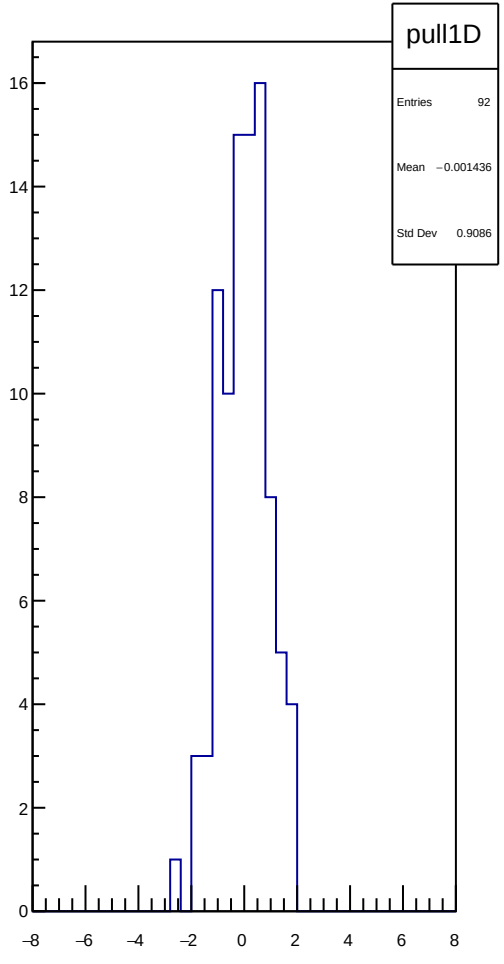

pull1D
Entries 92
Mean −0.001436
Std Dev 0.9086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

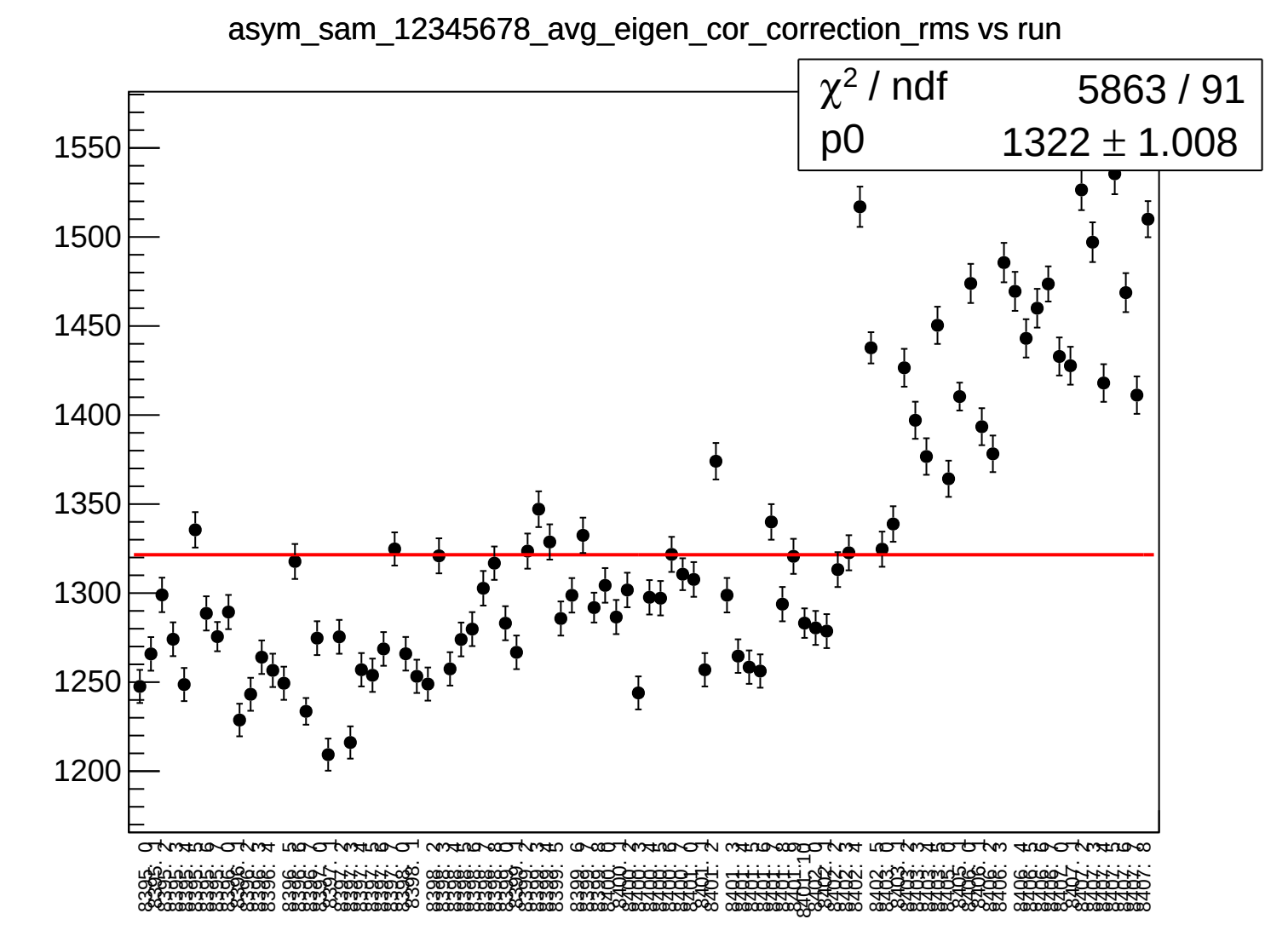

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 5863 / 91
p0 1322 ± 1.008
1550
1500
1450
1400
1350
1300
1250
1200

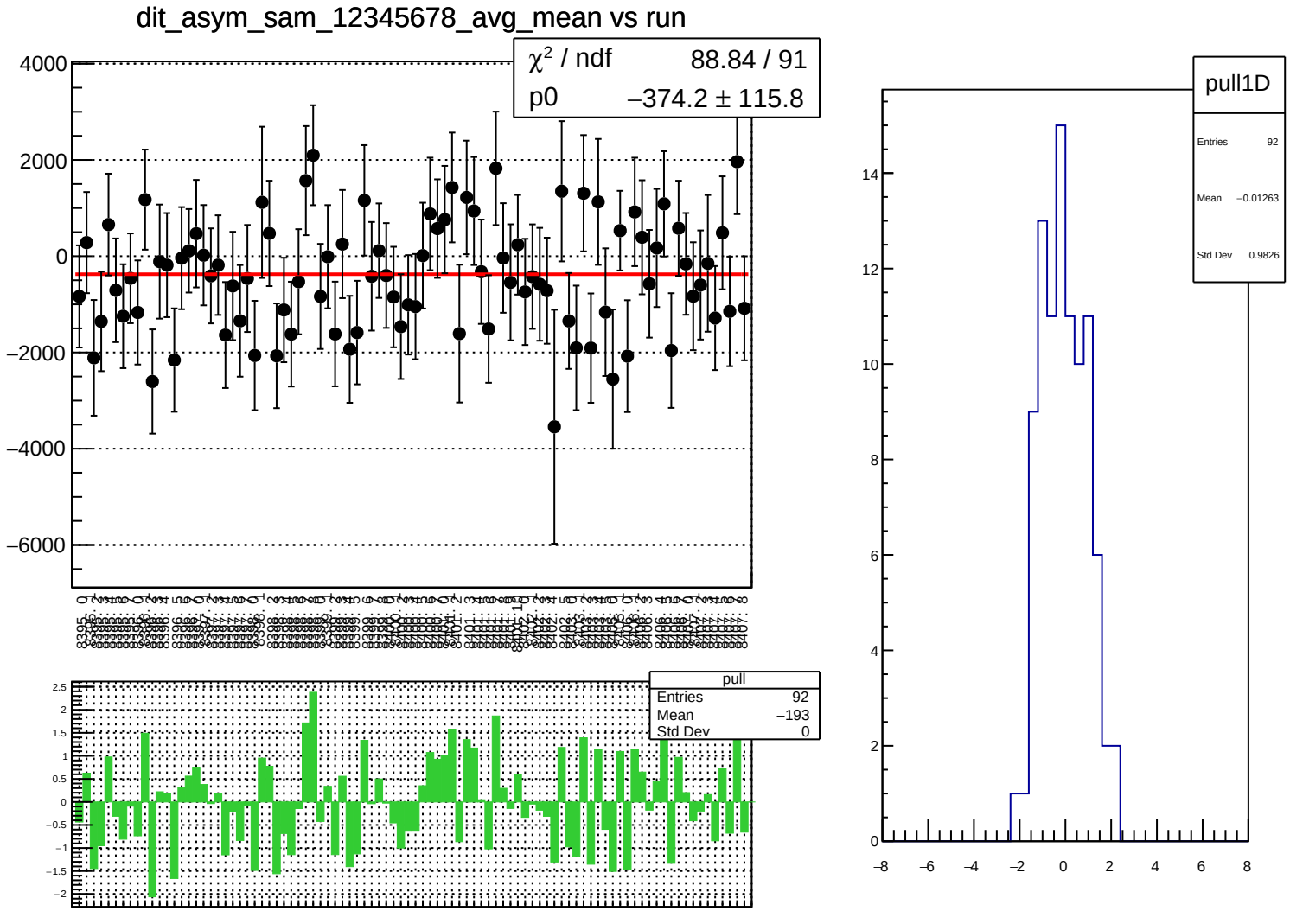

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 84.17 / 91
p0 −302.1± 109.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 92
Mean −213.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.01125
Std Dev 0.9564
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

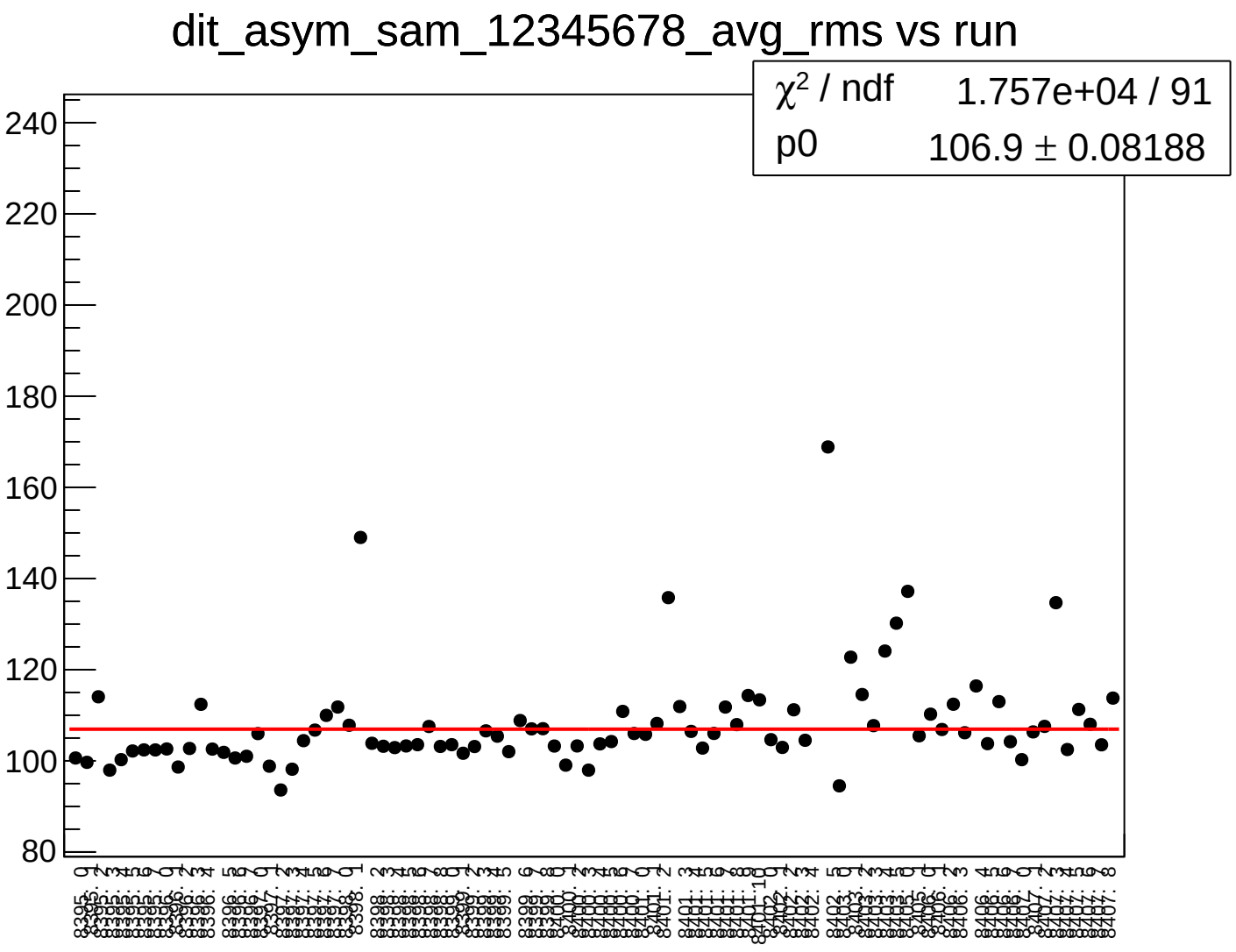

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.291e+04 / 91
p0 101.1 ± 0.07727
140
130
120
110
100
90

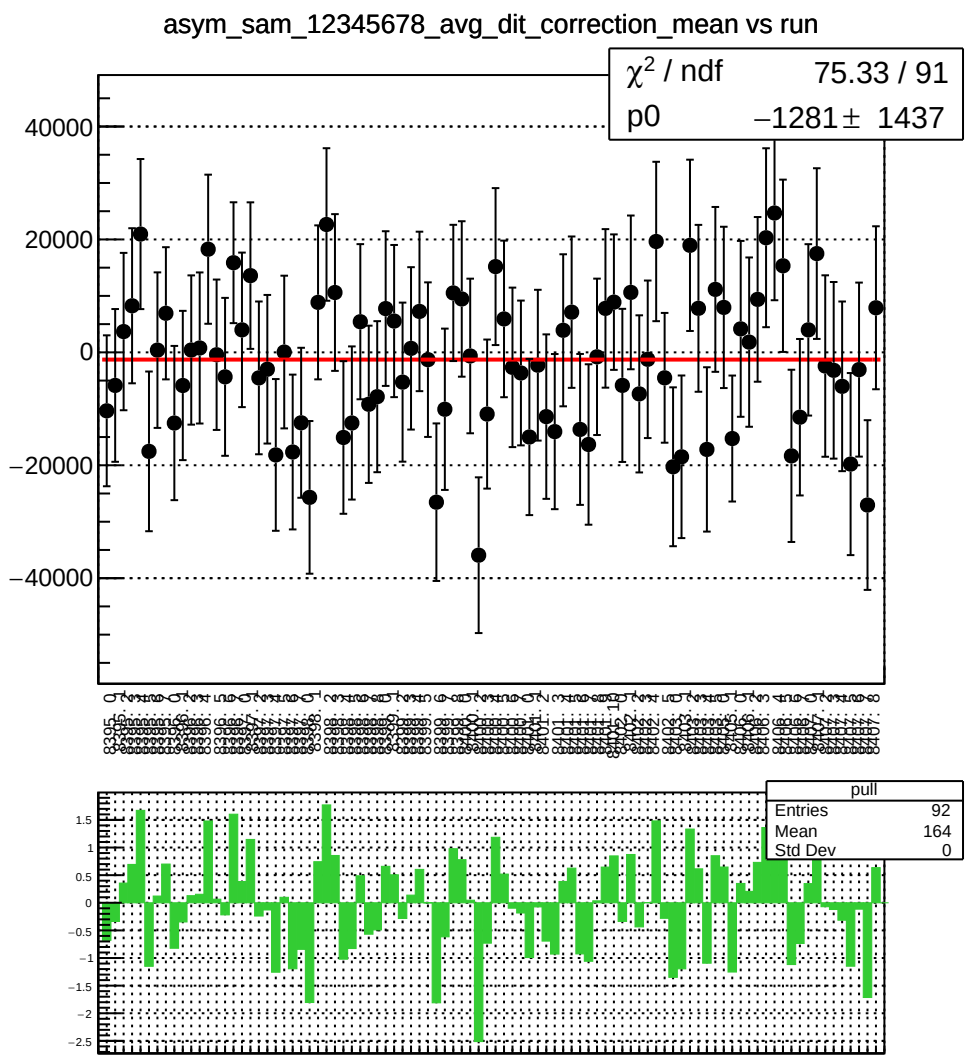

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.96 / 91
p0 −1241 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 298.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

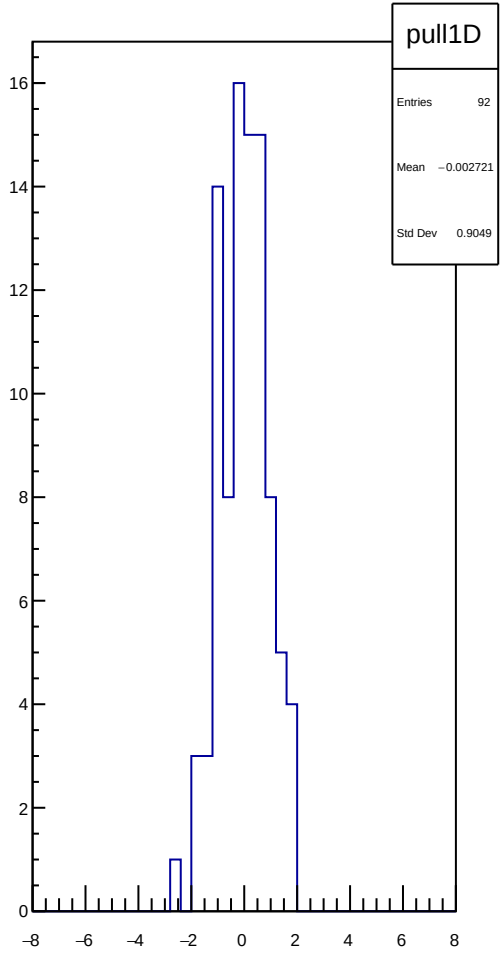

pull1D
Entries 92
Mean −0.001436
Std Dev 0.9086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

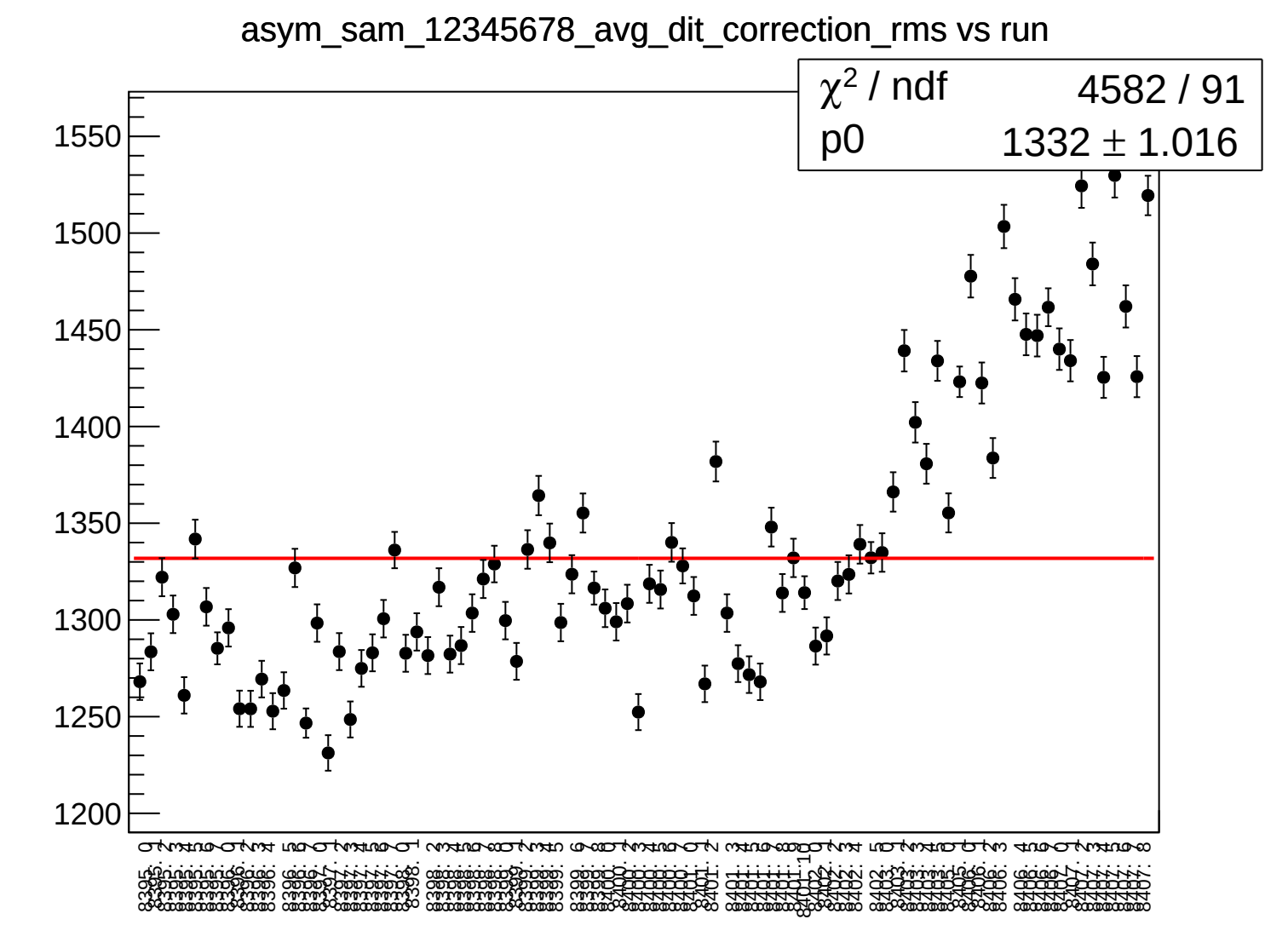

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 5863 / 91
p0 1322 ± 1.008
1550
1500
1450
1400
1350
1300
1250
1200

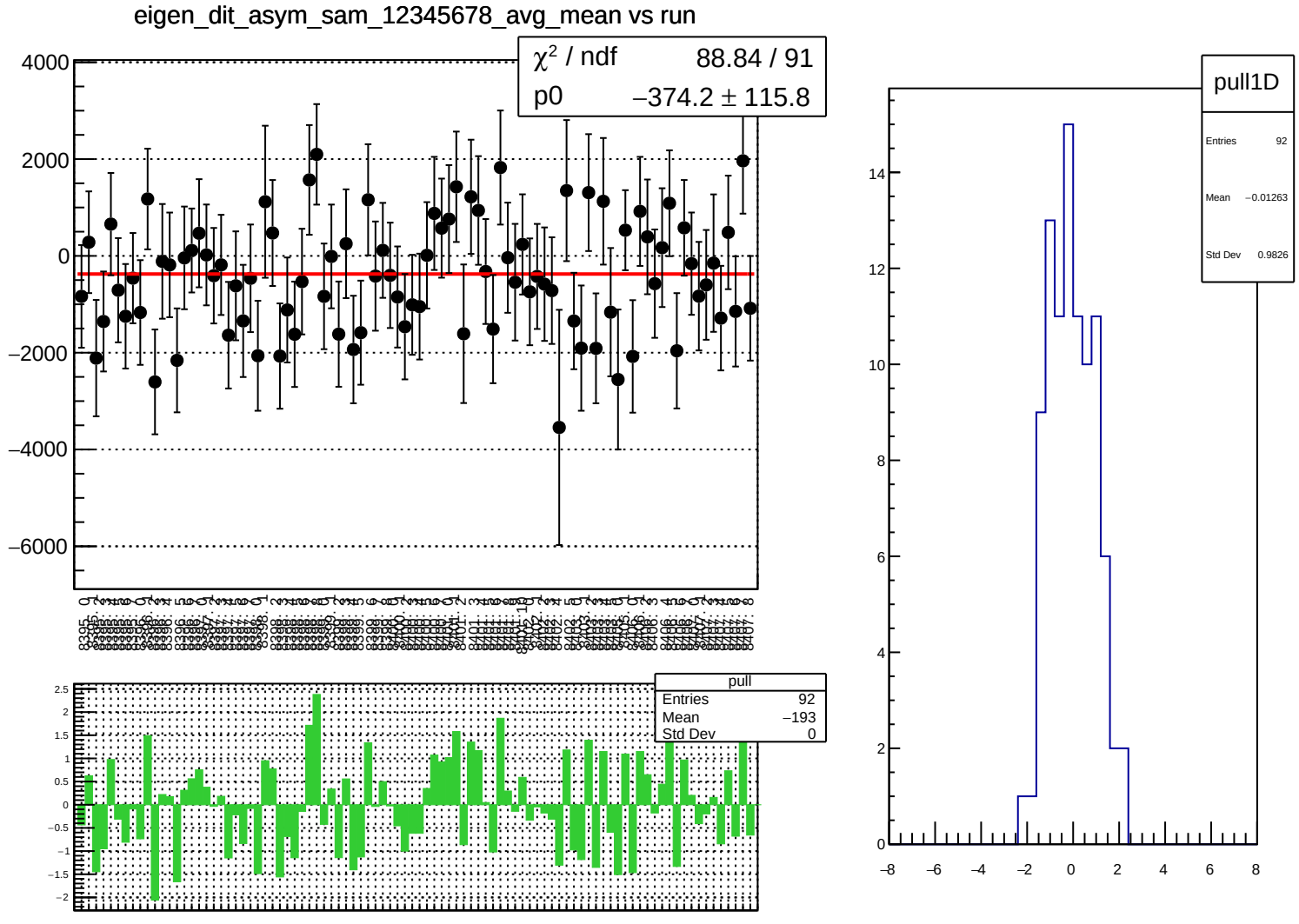

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 88.84 / 91
p0 −374.2 ± 115.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −193
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.01263
Std Dev 0.9826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

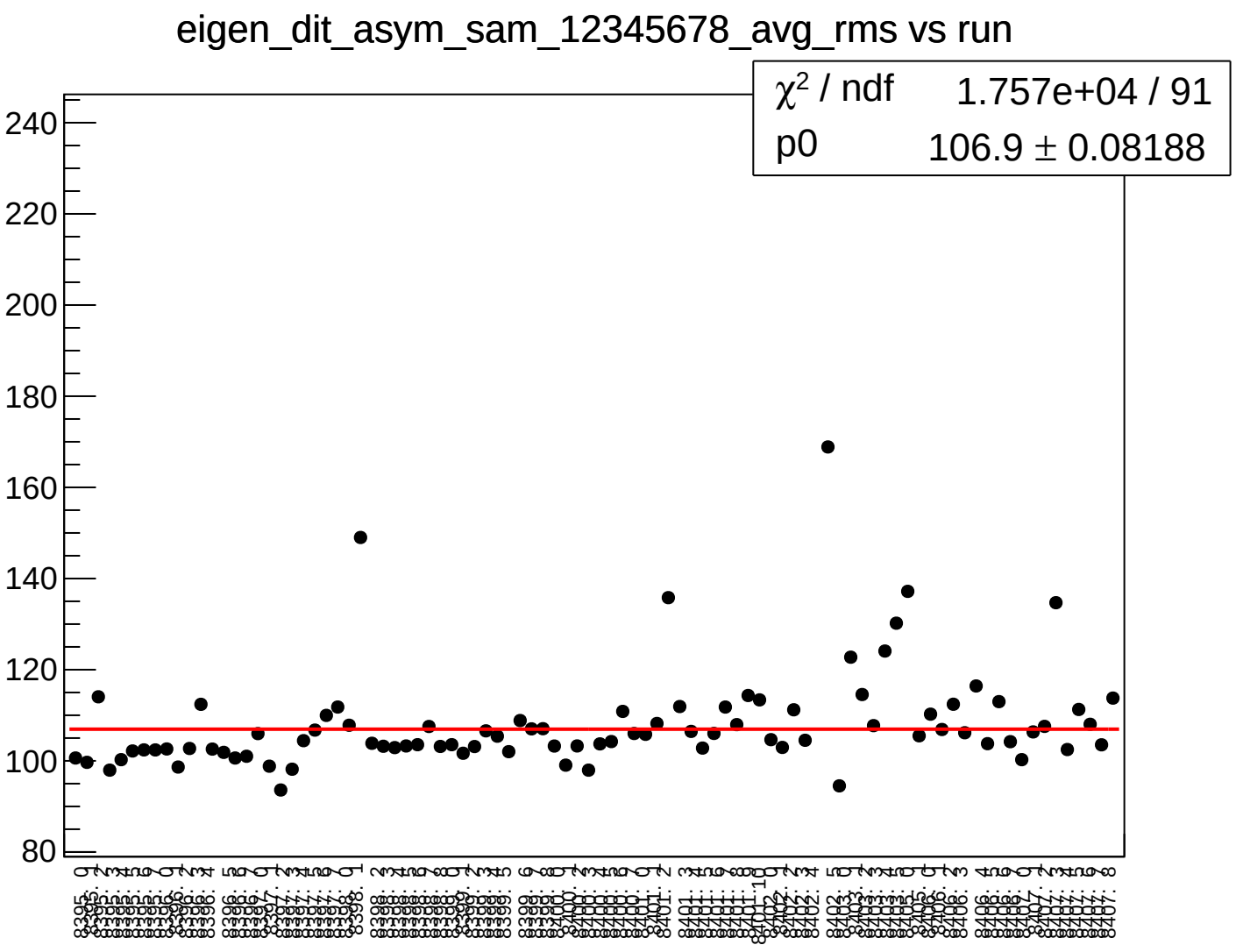

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.757e+04 / 91
p0 106.9 ± 0.08188
240
220
200
180
160
140
120
100
80

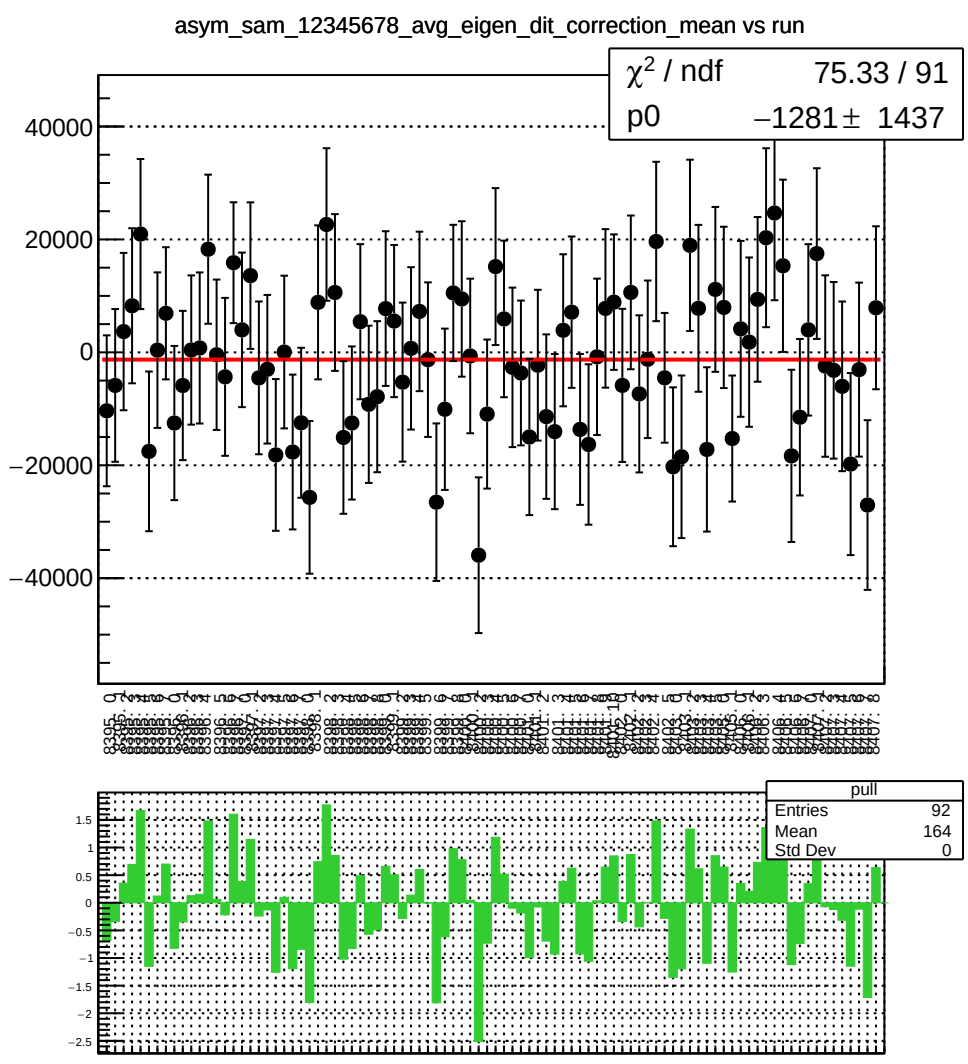

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 75.33 / 91
p0 −1281 ± 1437
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 164
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

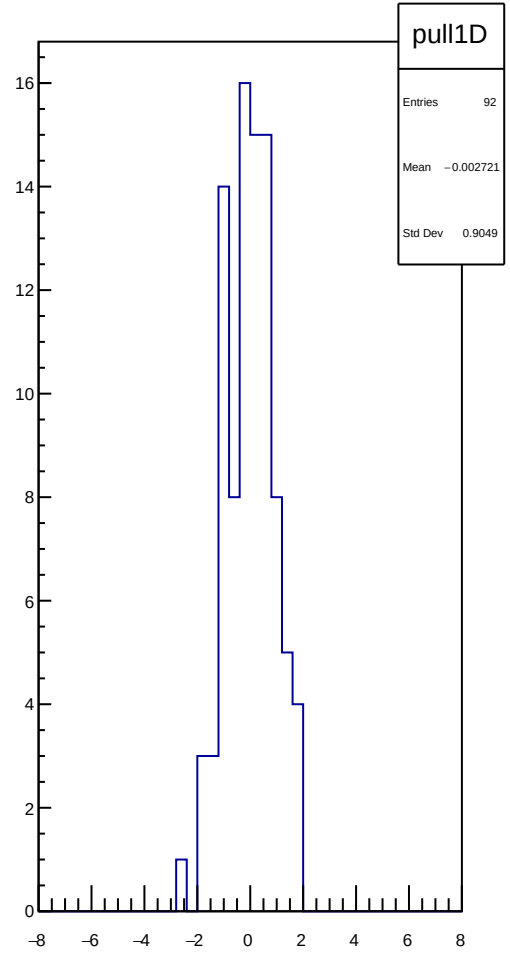

pull1D
Entries 92
Mean −0.002721
Std Dev 0.9049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

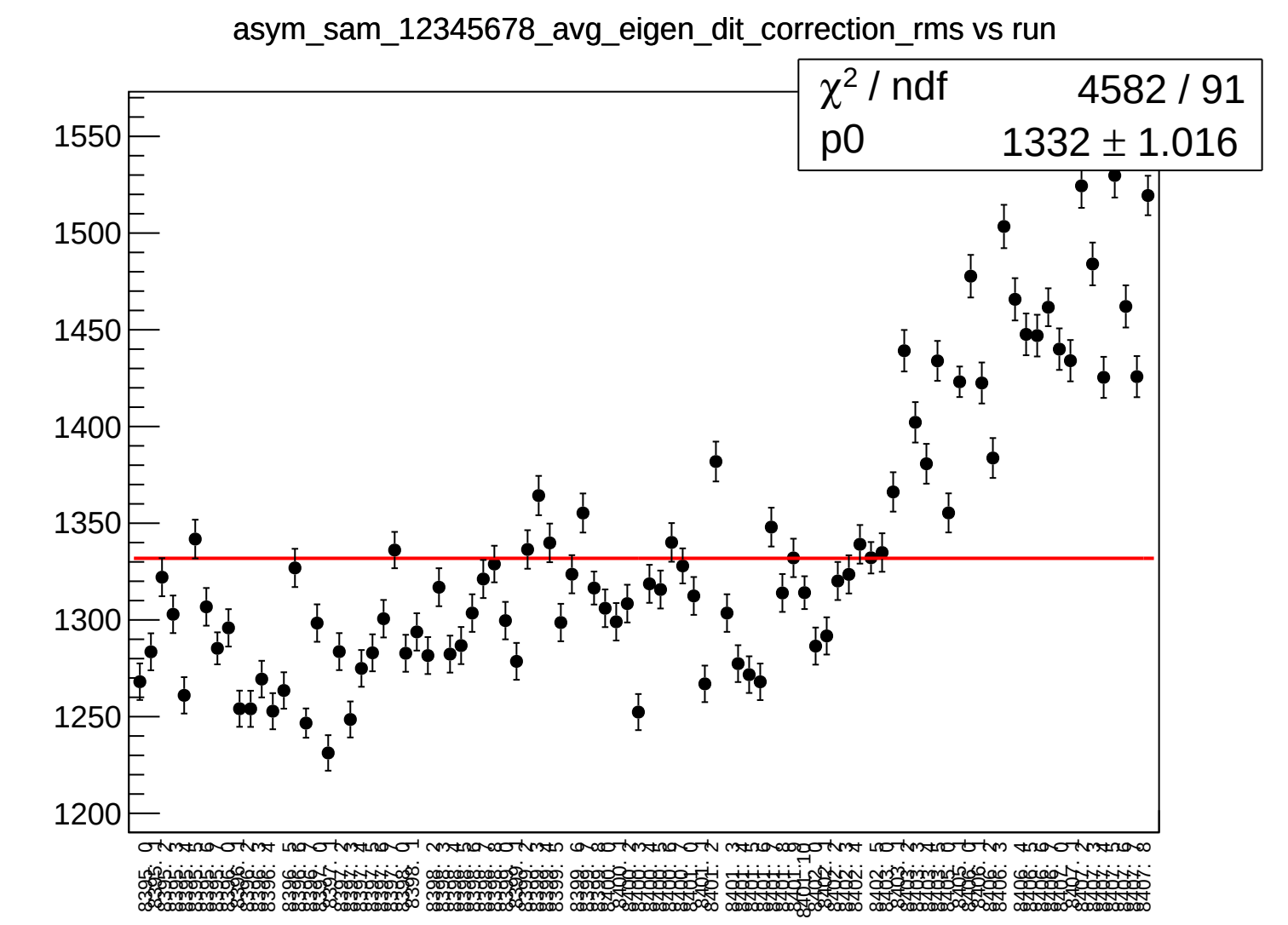

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 4582 / 91
p0 1332 ± 1.016
1550
1500
1450
1400
1350
1300
1250
1200

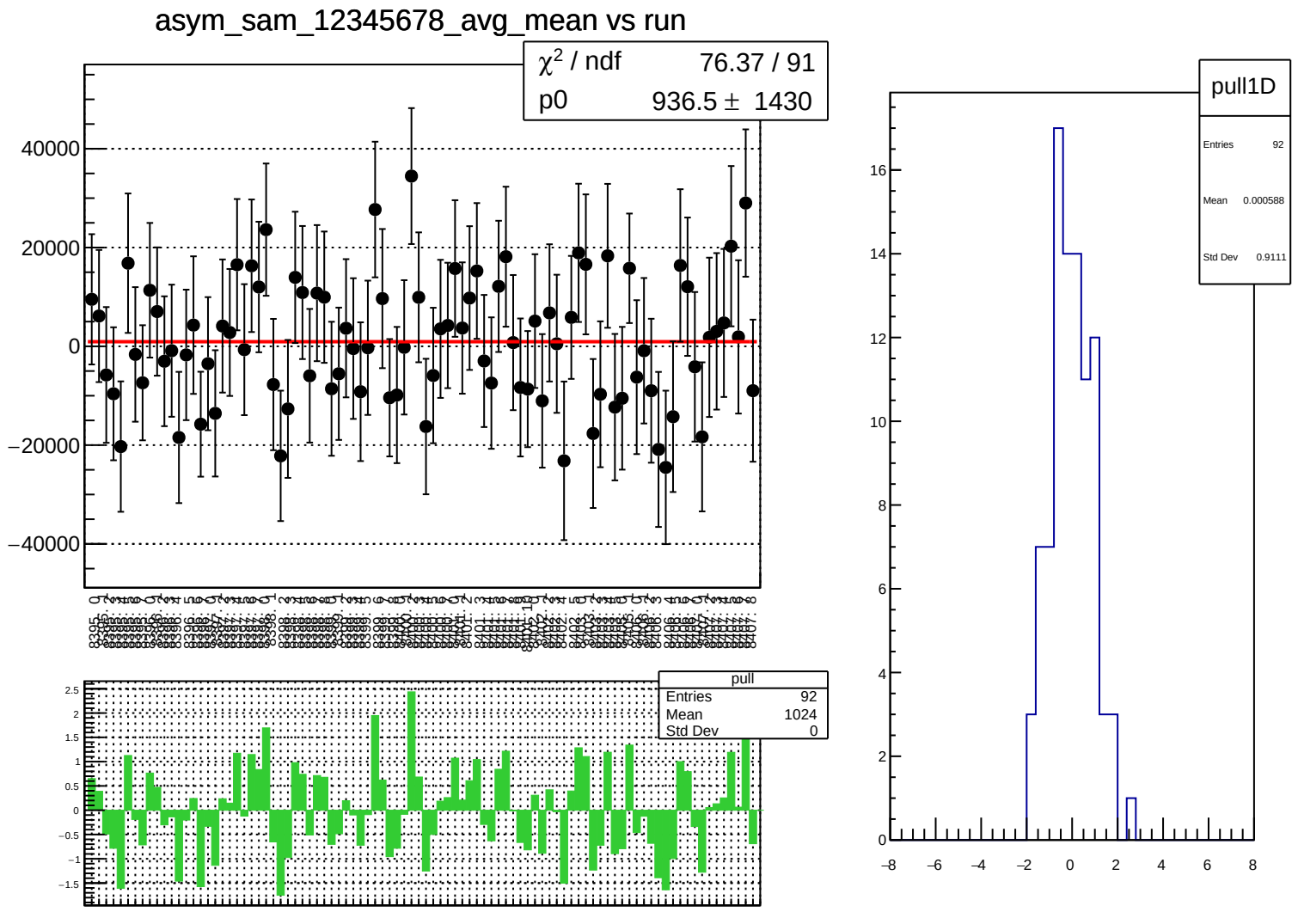

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 88.84 / 91
p0 −374.2 ± 115.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 92
Mean −193
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.01263
Std Dev 0.9826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

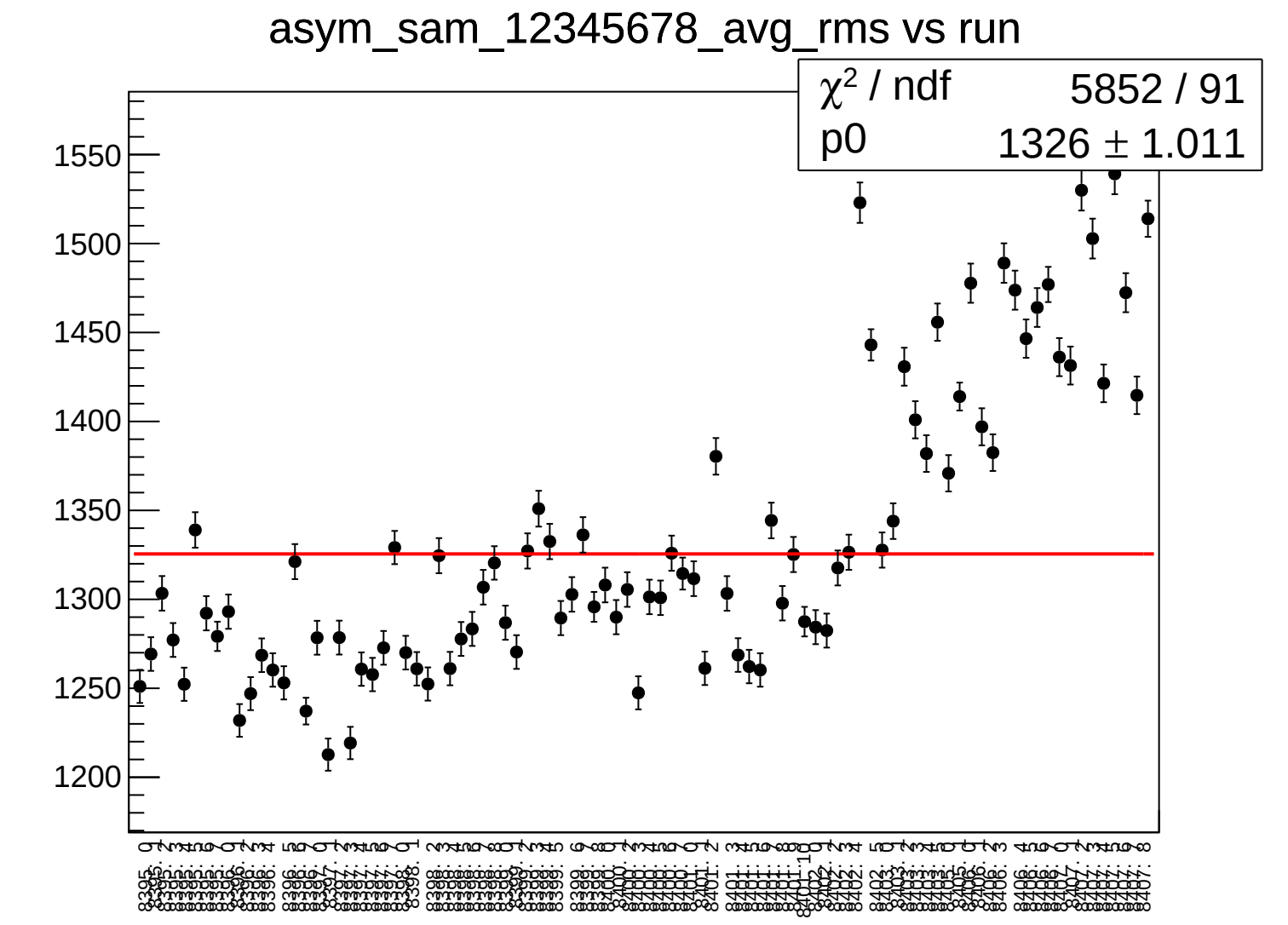

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.757e+04 / 91
p0 106.9 ± 0.08188
240
220
200
180
160
140
120
100
80

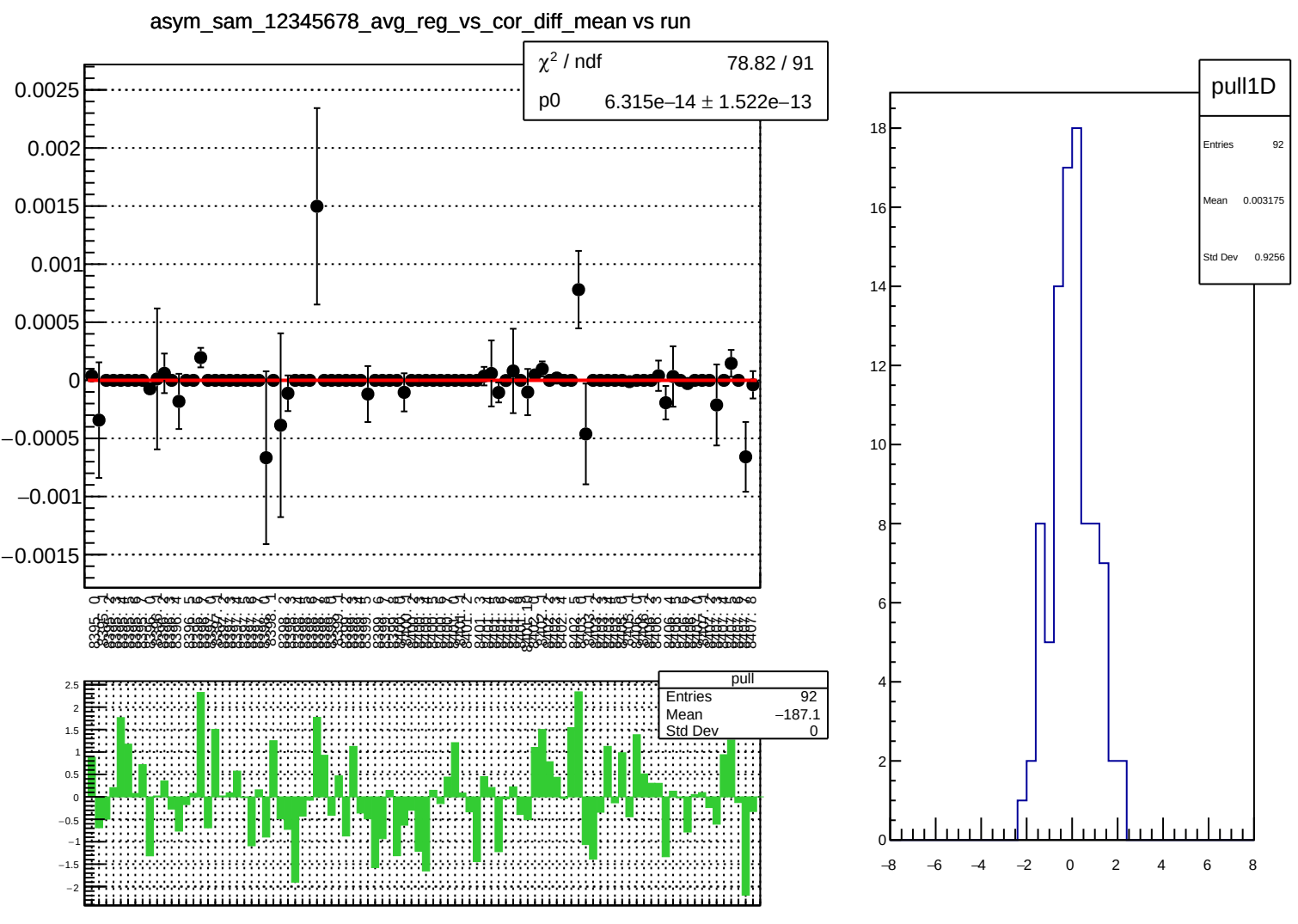

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.33 / 91
p0 −1281 ± 1437
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 164
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

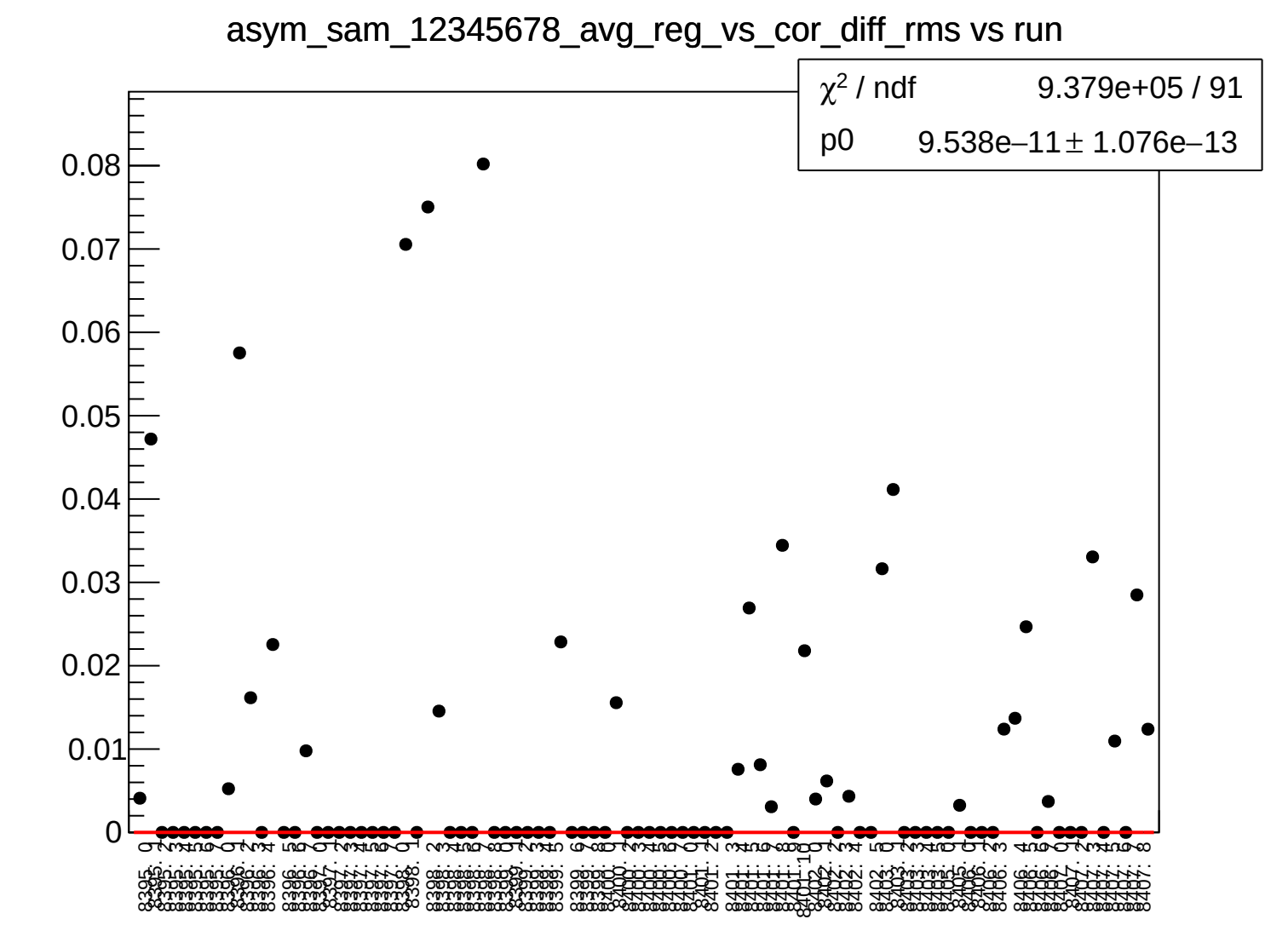

pull1D
Entries 92
Mean −0.002721
Std Dev 0.9049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

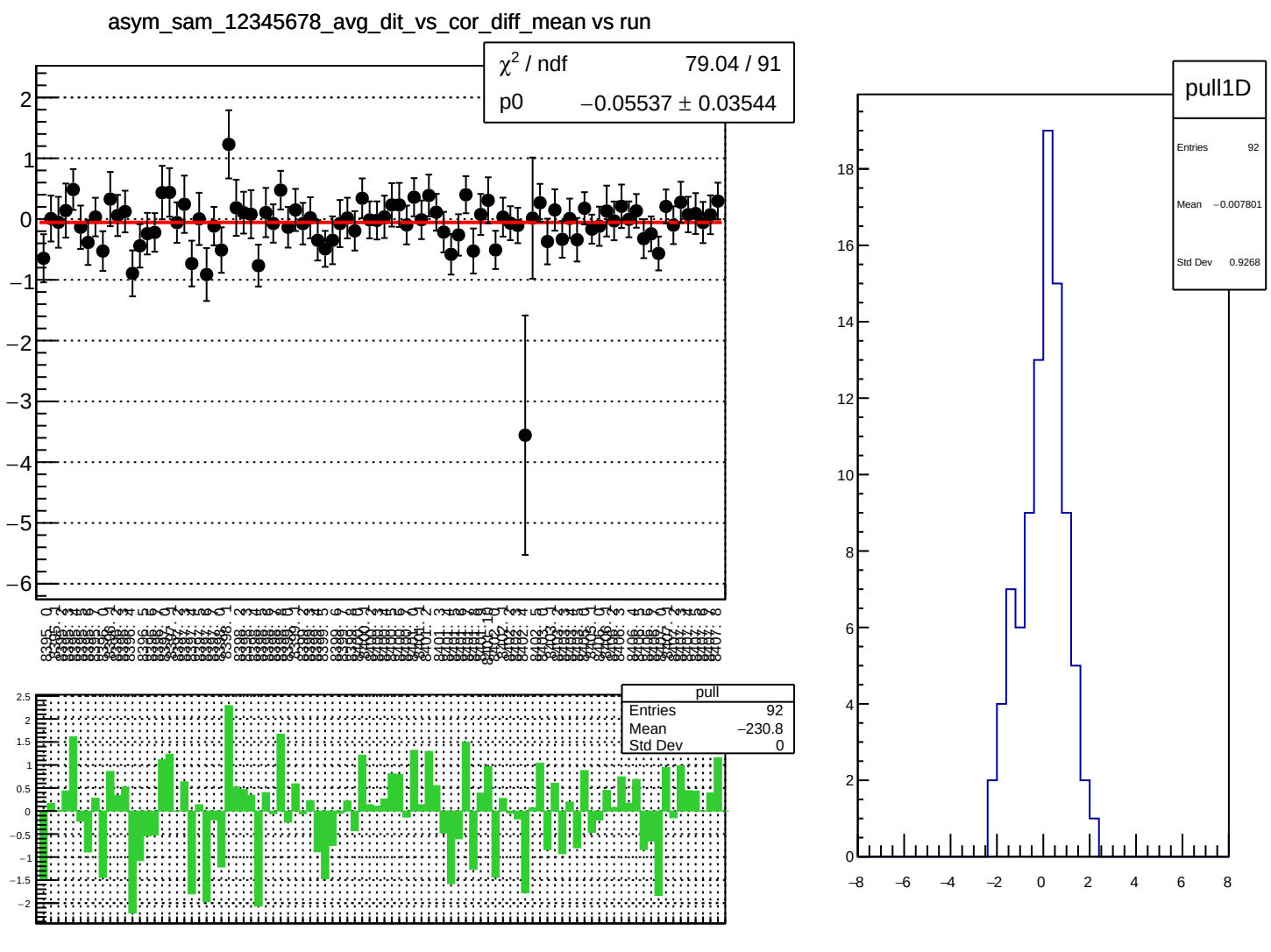

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 4582 / 91
p0 1332 ± 1.016
1550
1500
1450
1400
1350
1300
1250
1200

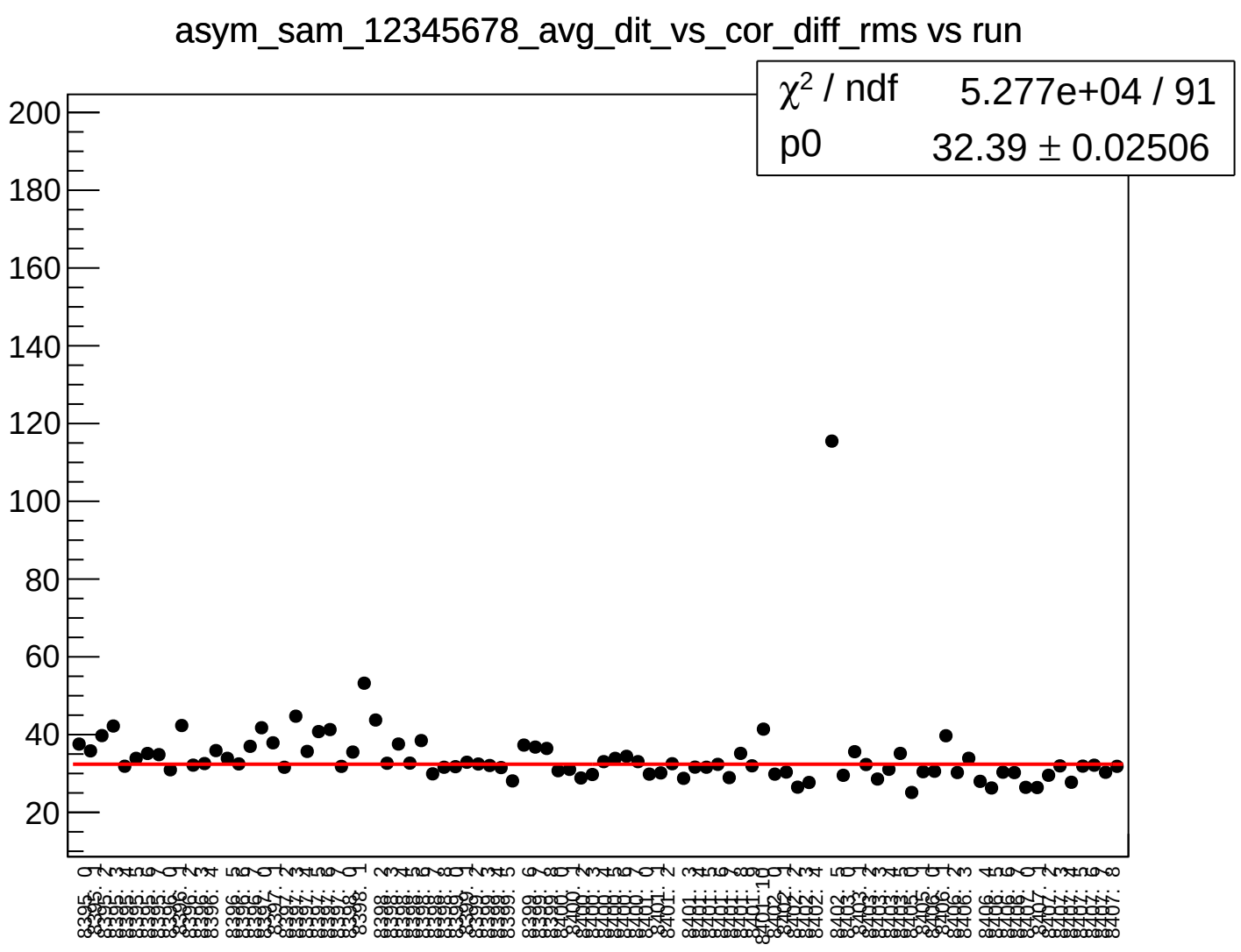

asym_sam_12345678_avg_mean vs run
χ² / ndf 76.37 / 91
p0 936.5 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 92
Mean 1024
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean 0.000588
Std Dev 0.9111
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

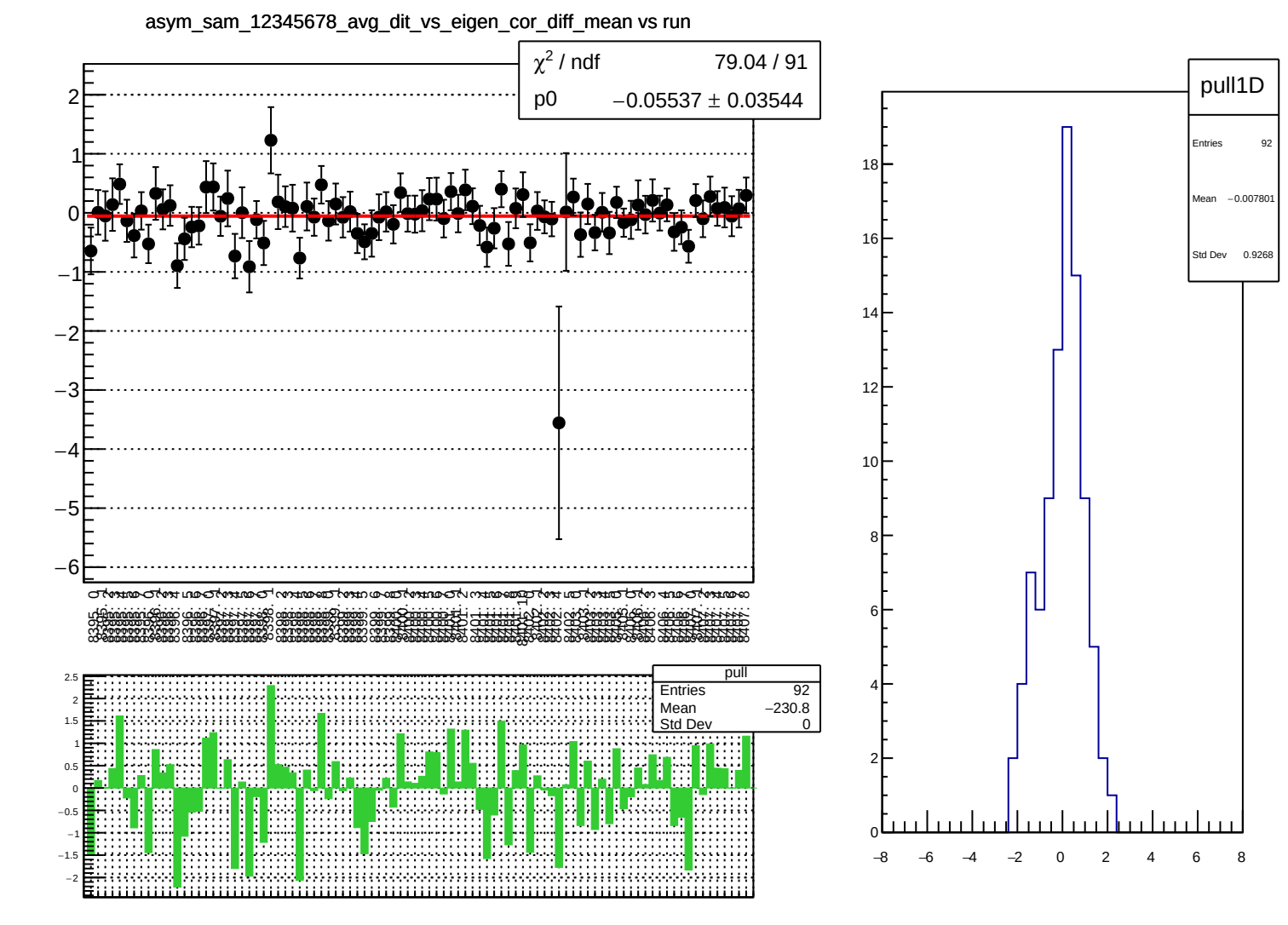

asym_sam_12345678_avg_rms vs run
χ² / ndf 5852 / 91
p0 1326 ± 1.011
1550
1500
1450
1400
1350
1300
1250
1200

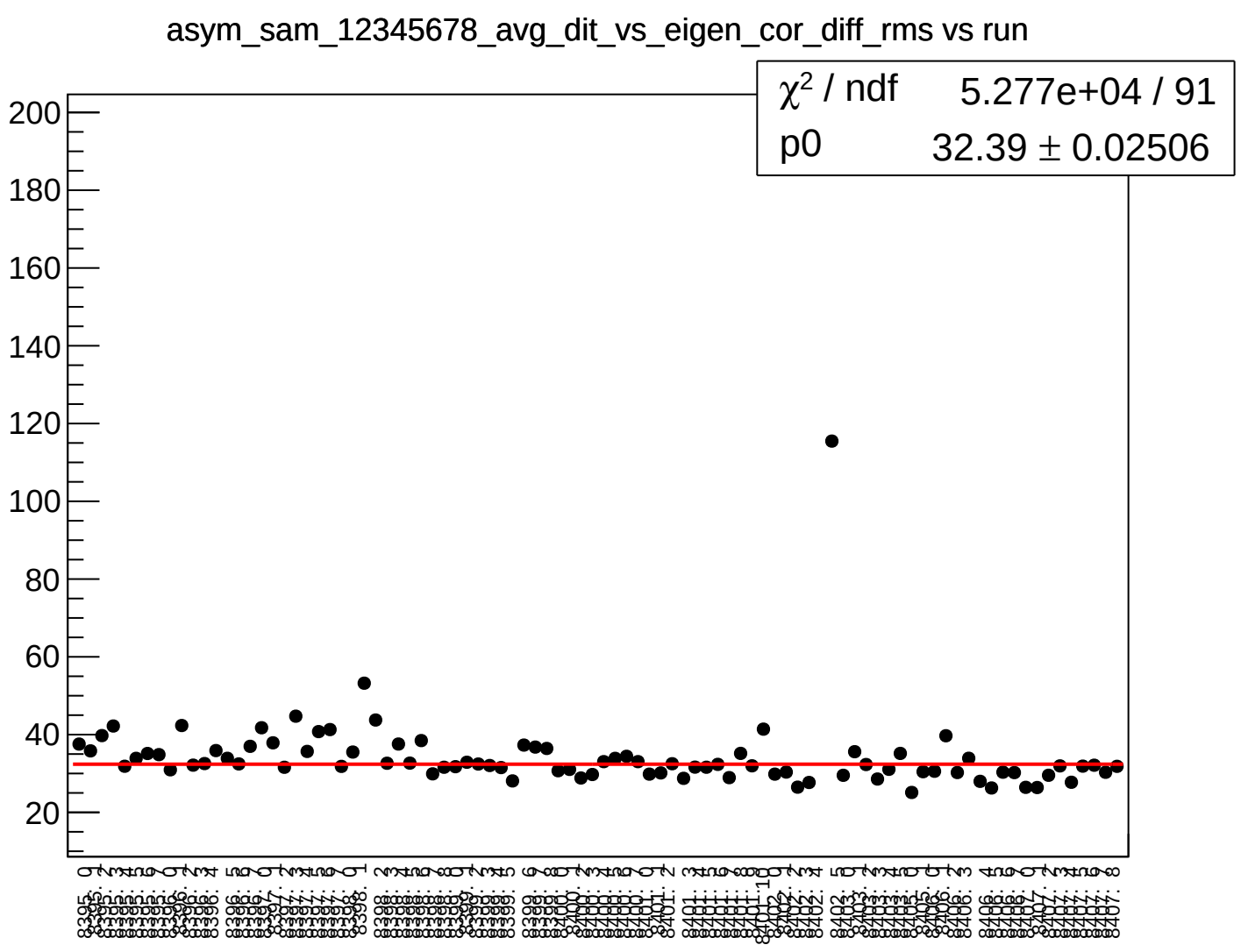

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 78.82 / 91
p0 6.315e−14 ± 1.522e−13
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 92
Mean −187.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.003175
Std Dev 0.9256
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

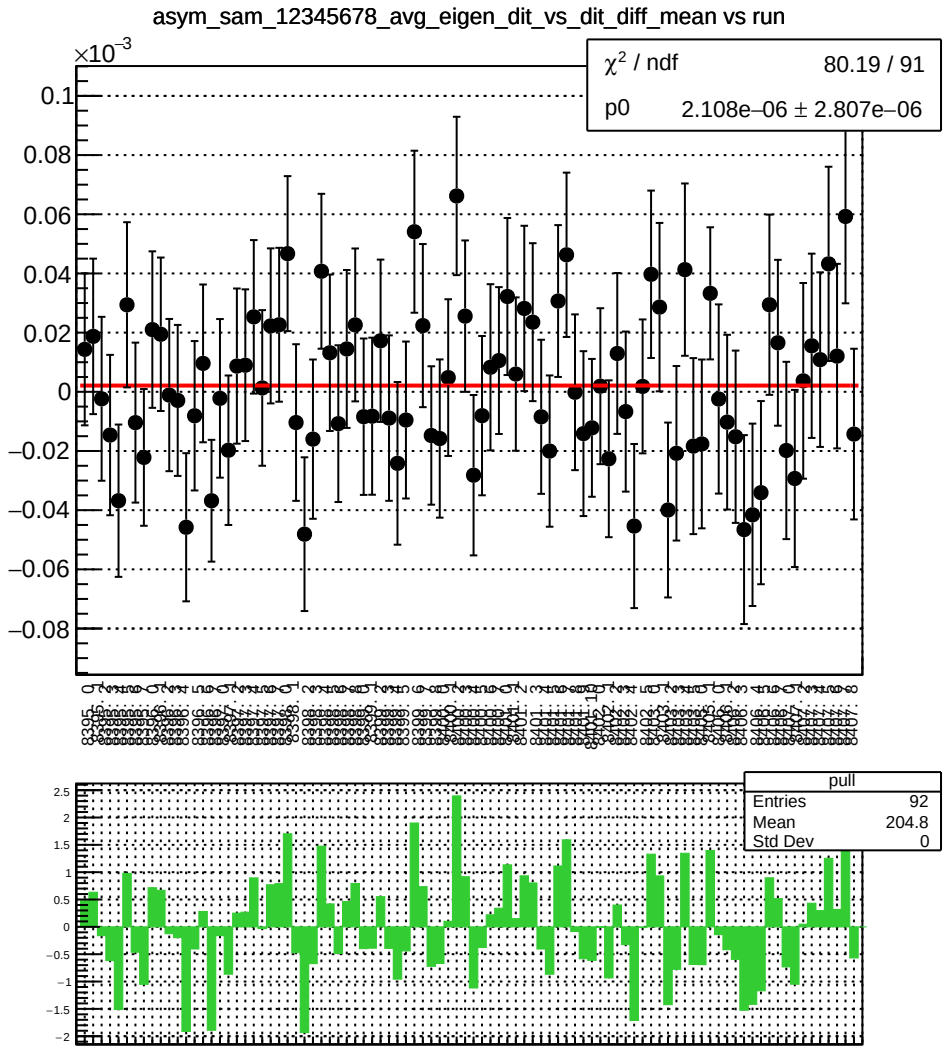

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.379e+05 / 91
p0 9.538e−11 ± 1.076e−13
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

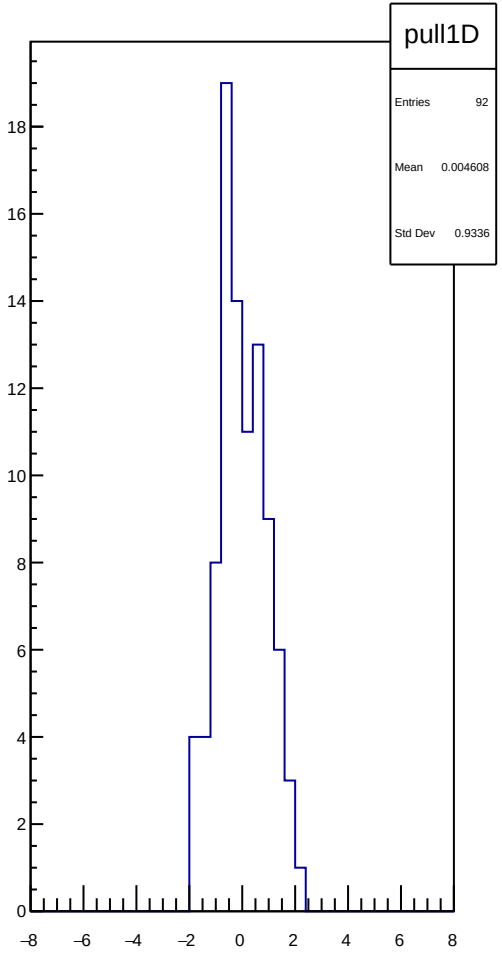

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 79.04 / 91
p0 −0.05537 ± 0.03544
pull
Entries 92
Mean −230.8
Std Dev 0
pull1D
Entries 92
Mean −0.007801
Std Dev 0.9268

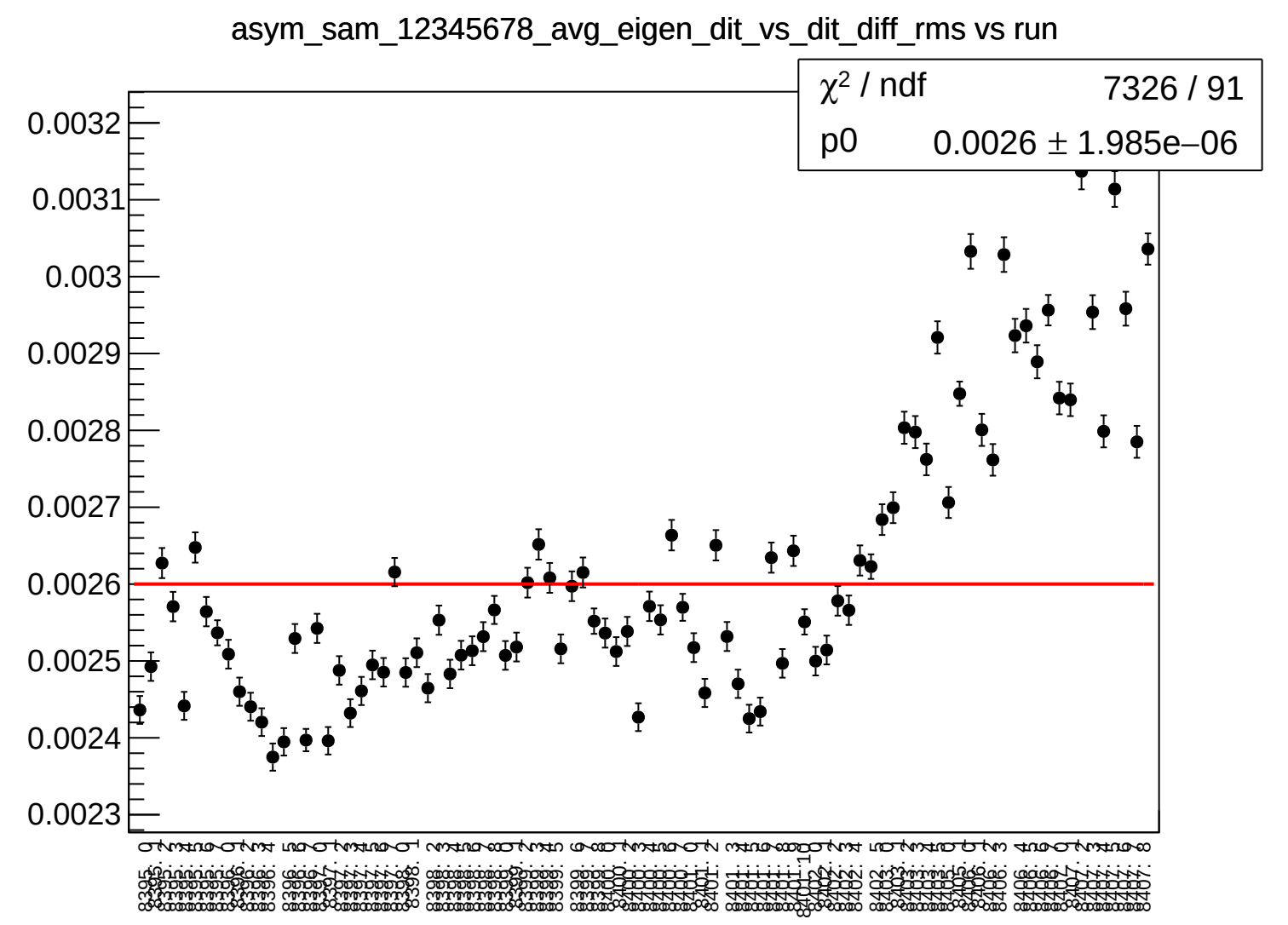

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.277e+04 / 91
p0 32.39 ± 0.02506
200
180
160
140
120
100
80
60
40
20

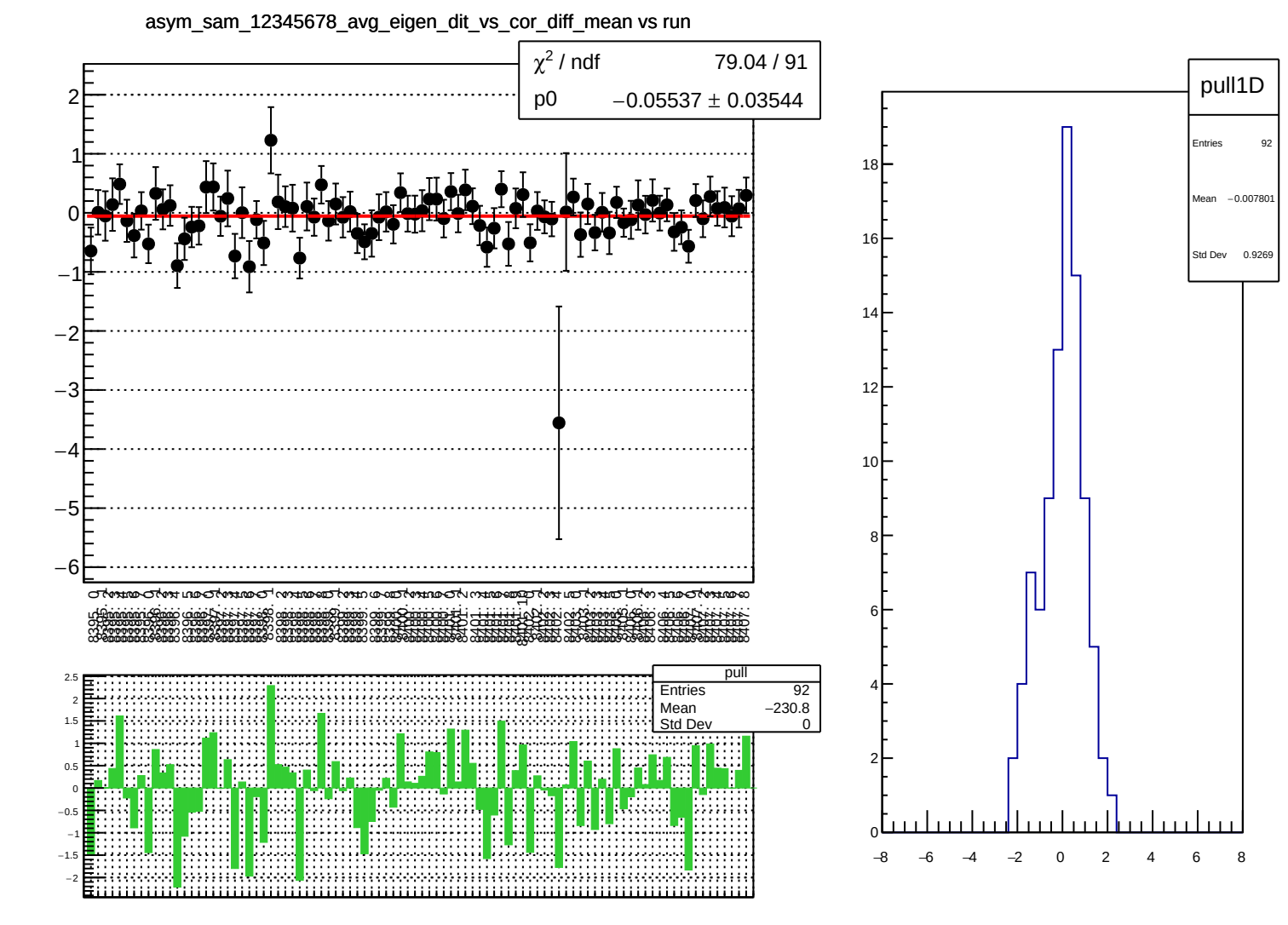

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.04 / 91
p0 −0.05537 ± 0.03544
pull
Entries 92
Mean −230.8
Std Dev 0
pull1D
Entries 92
Mean −0.007801
Std Dev 0.9268

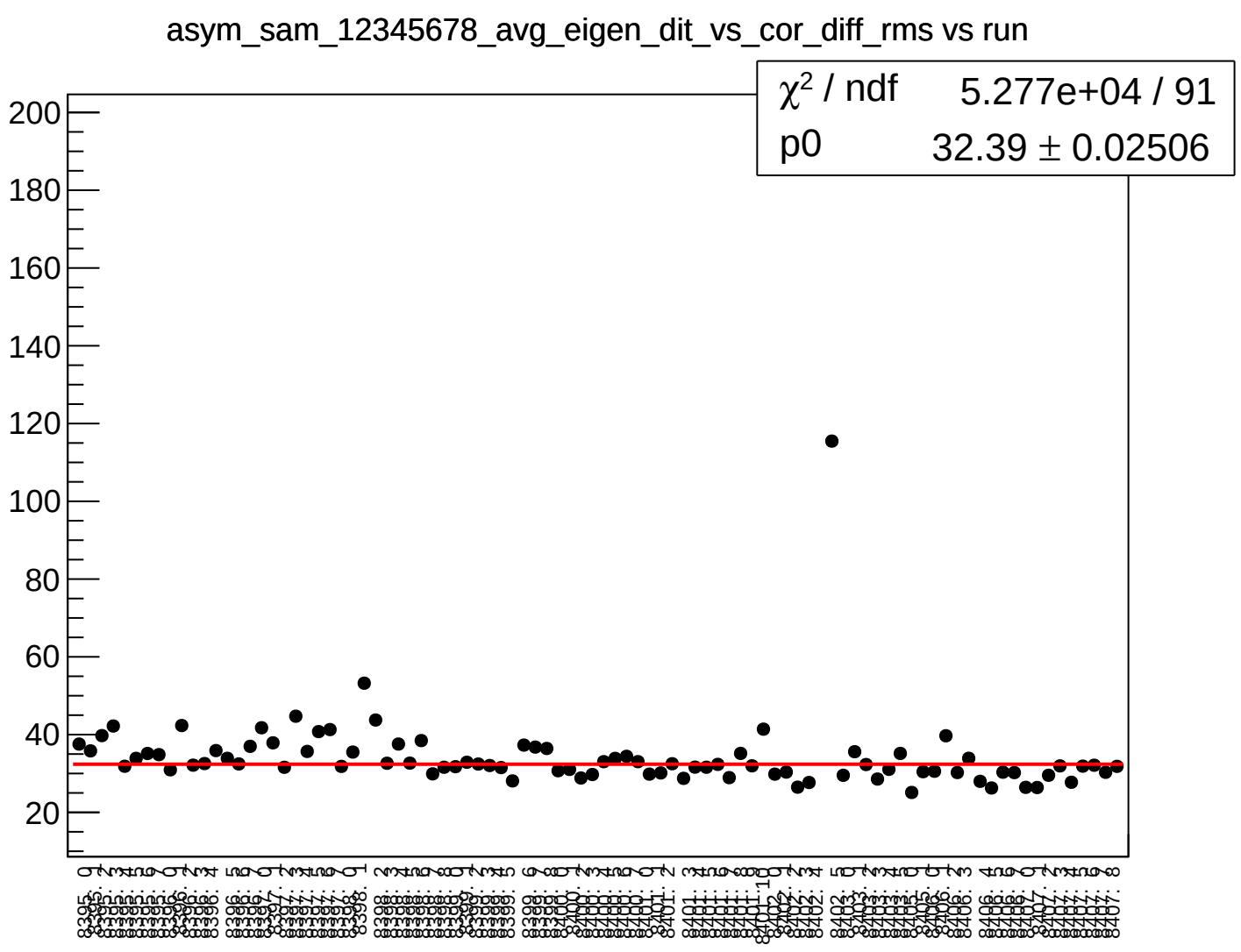

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.277e+04 / 91
p0 32.39 ± 0.02506
200
180
160
140
120
100
80
60
40
20

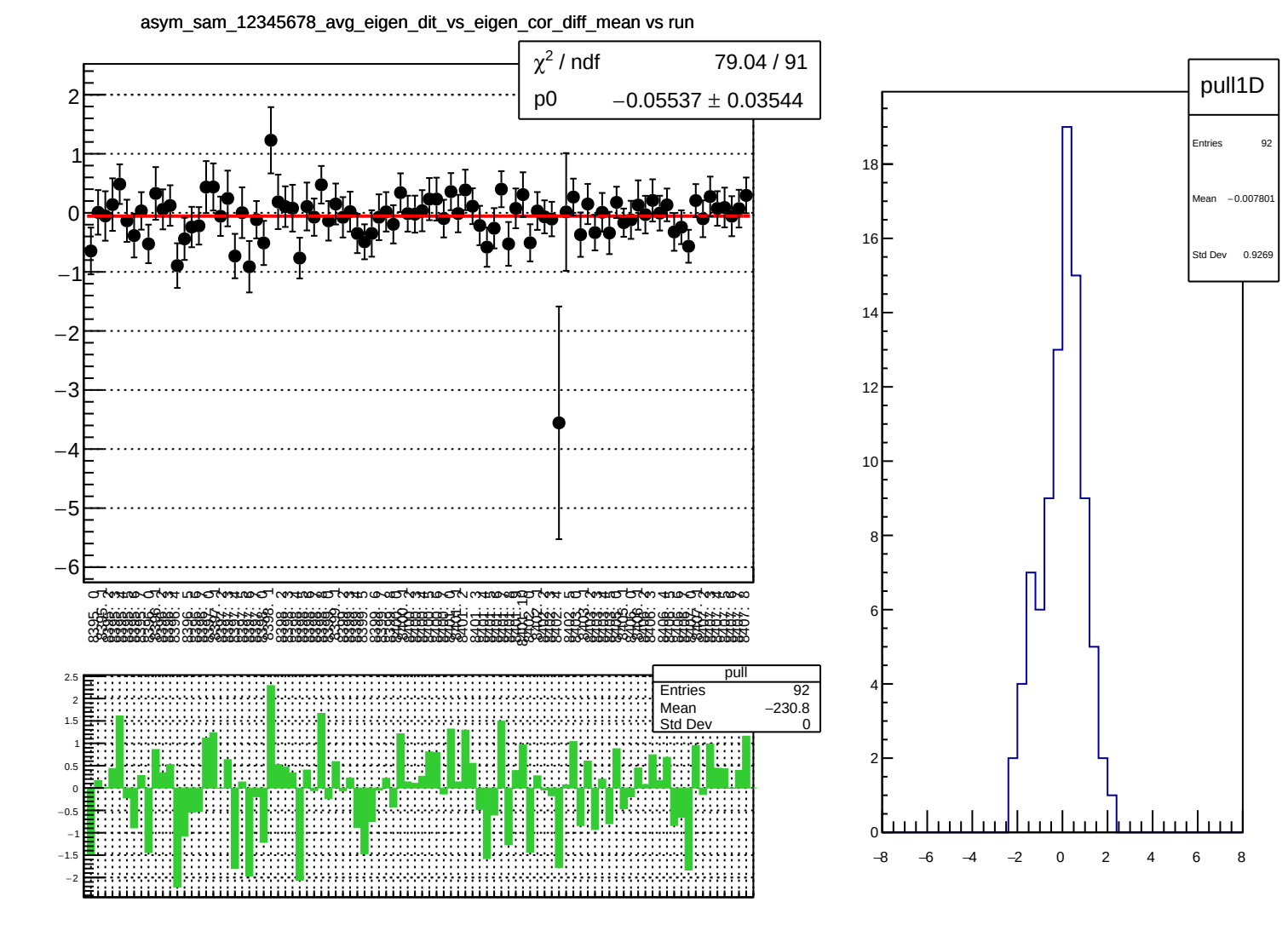

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.19 / 91
p0 2.108e−06 ± 2.807e−06
pull
Entries 92
Mean 204.8
Std Dev 0

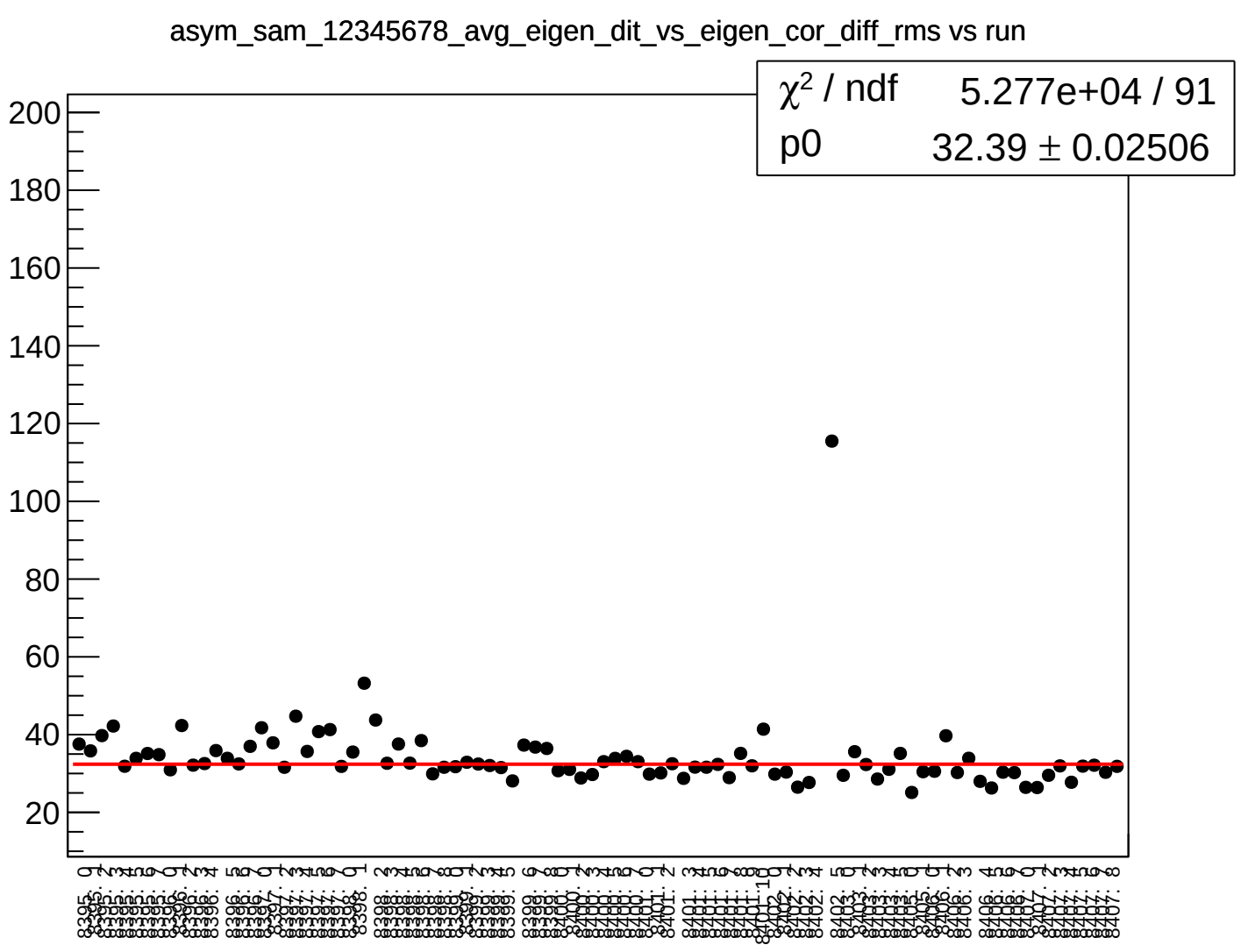

pull1D
Entries 92
Mean 0.004608
Std Dev 0.9336

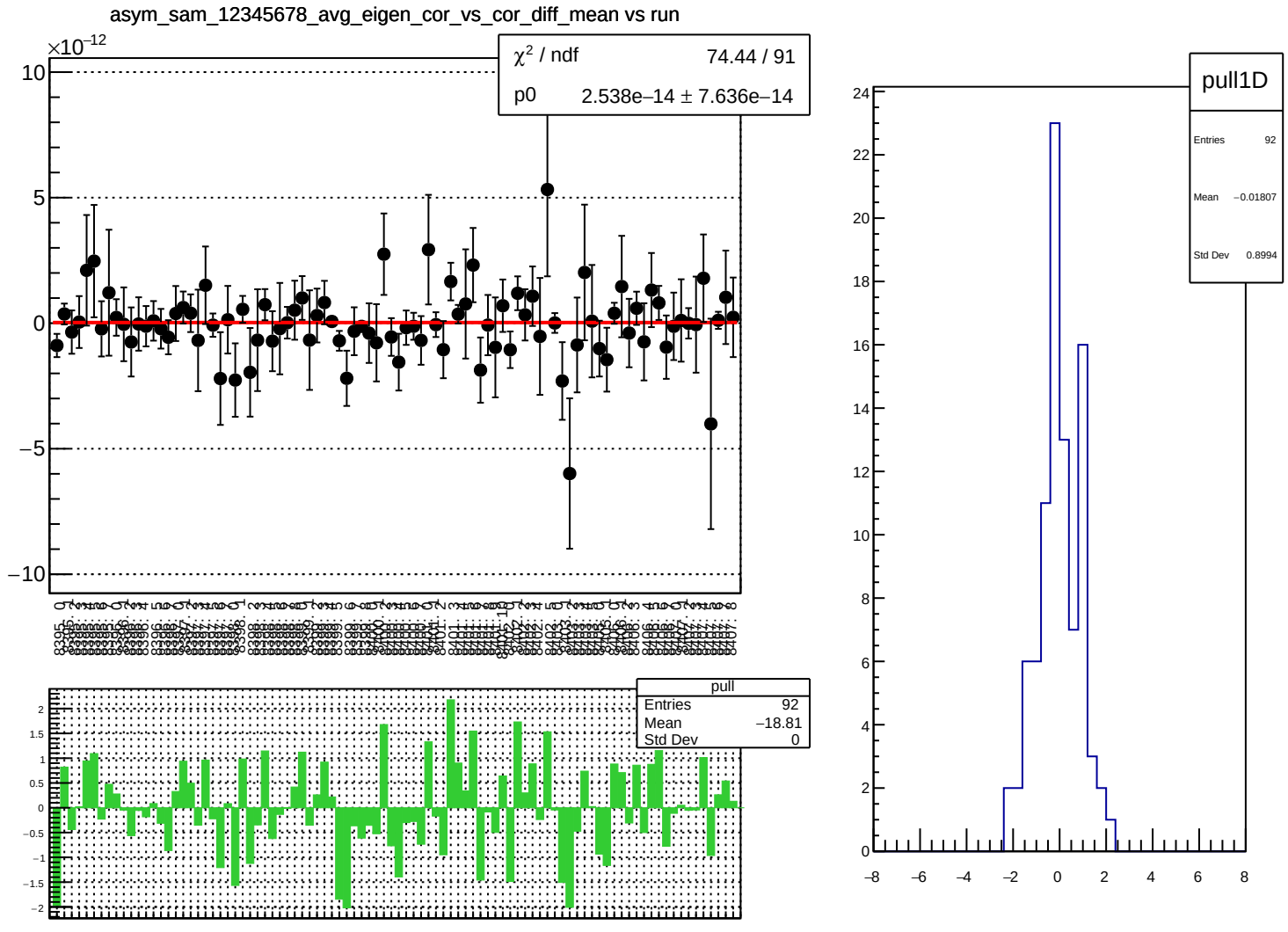

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7326 / 91
p0 0.0026 ± 1.985e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

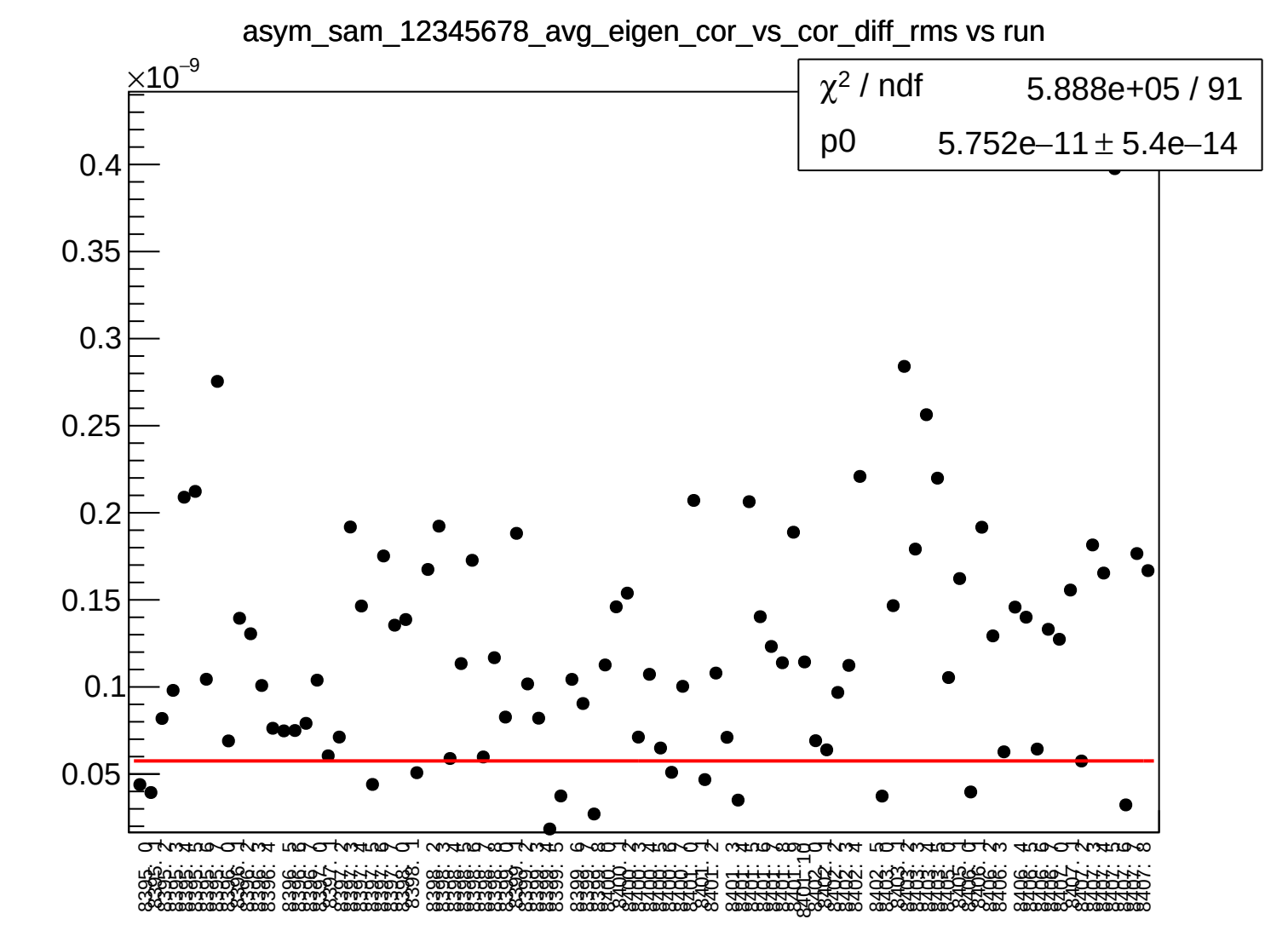

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.04 / 91
p0 −0.05537 ± 0.03544
pull
Entries 92
Mean −230.8
Std Dev 0
pull1D
Entries 92
Mean −0.007801
Std Dev 0.9269

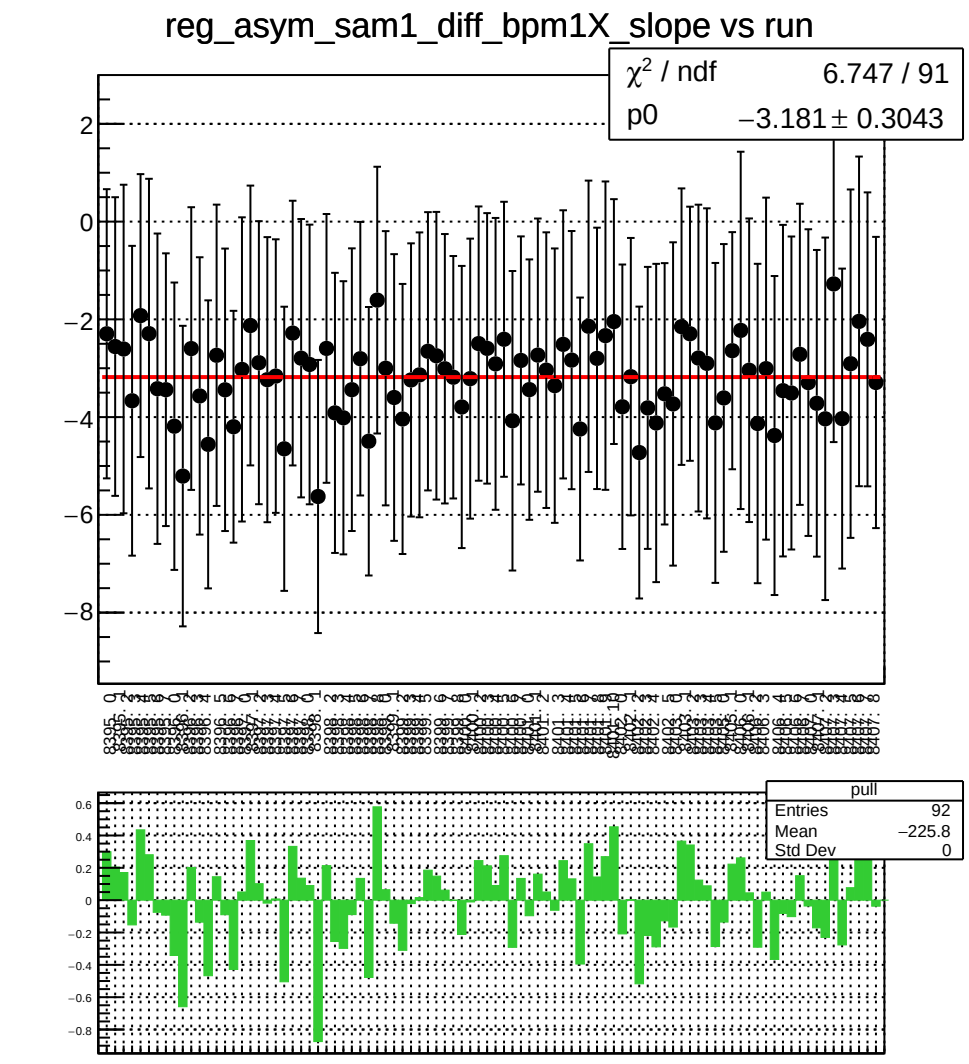

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.277e+04 / 91
p0 32.39 ± 0.02506
200
180
160
140
120
100
80
60
40
20

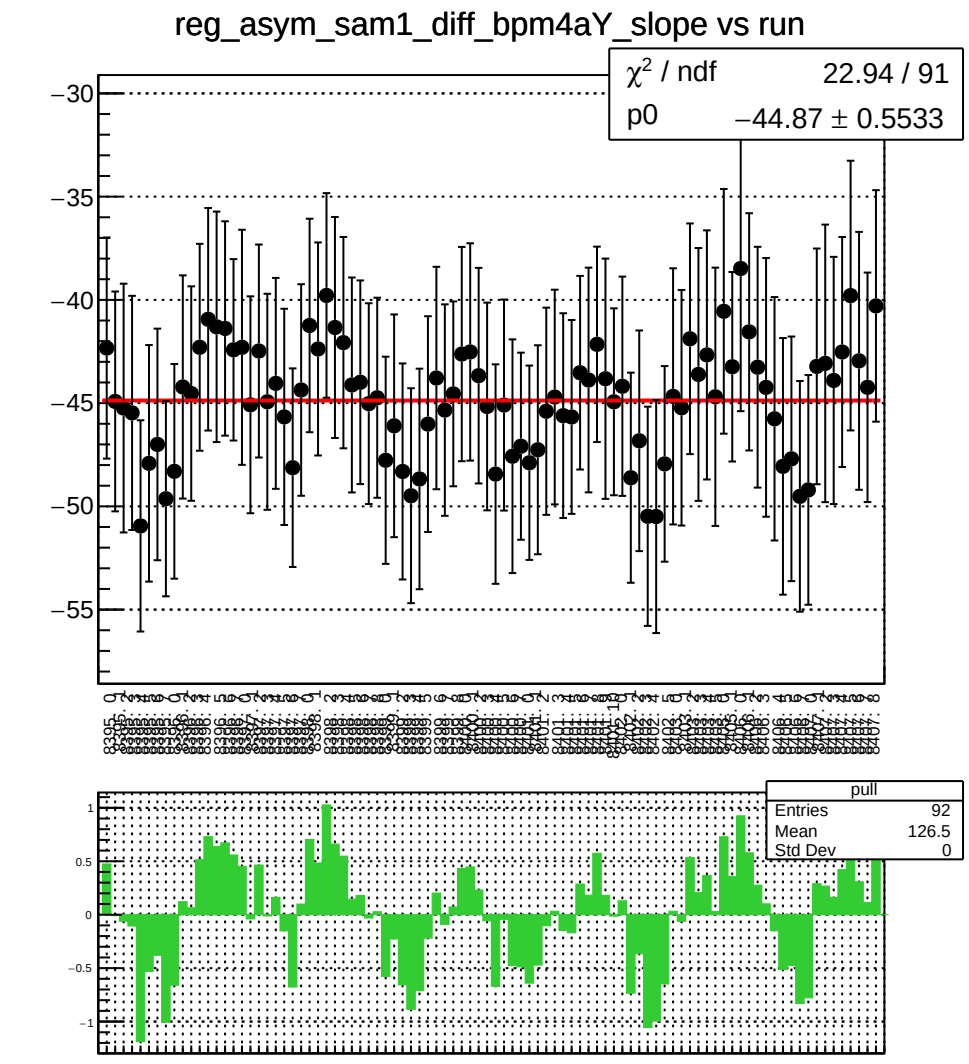

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.04 / 91
p0 −0.05537 ± 0.03544
pull
Entries 92
Mean −230.8
Std Dev 0
pull1D
Entries 92
Mean −0.007801
Std Dev 0.9269

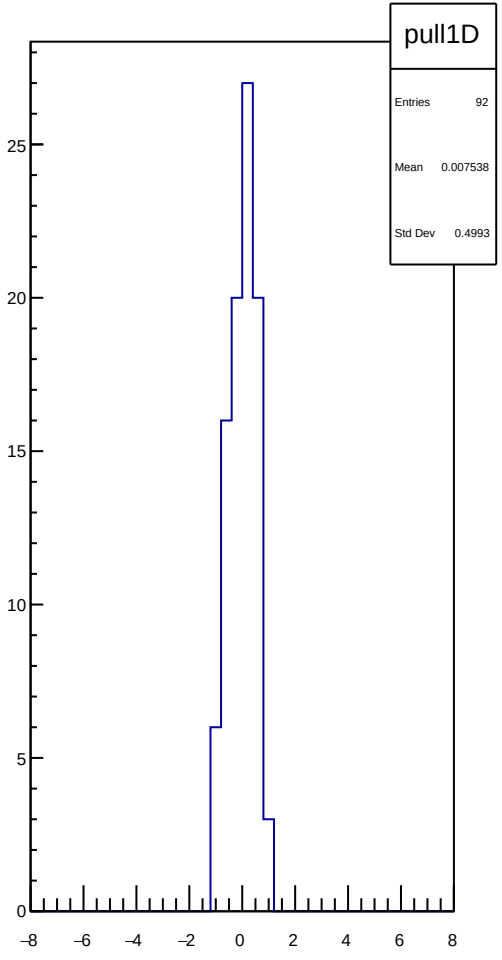

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.277e+04 / 91
p0 32.39 ± 0.02506
200
180
160
140
120
100
80
60
40
20

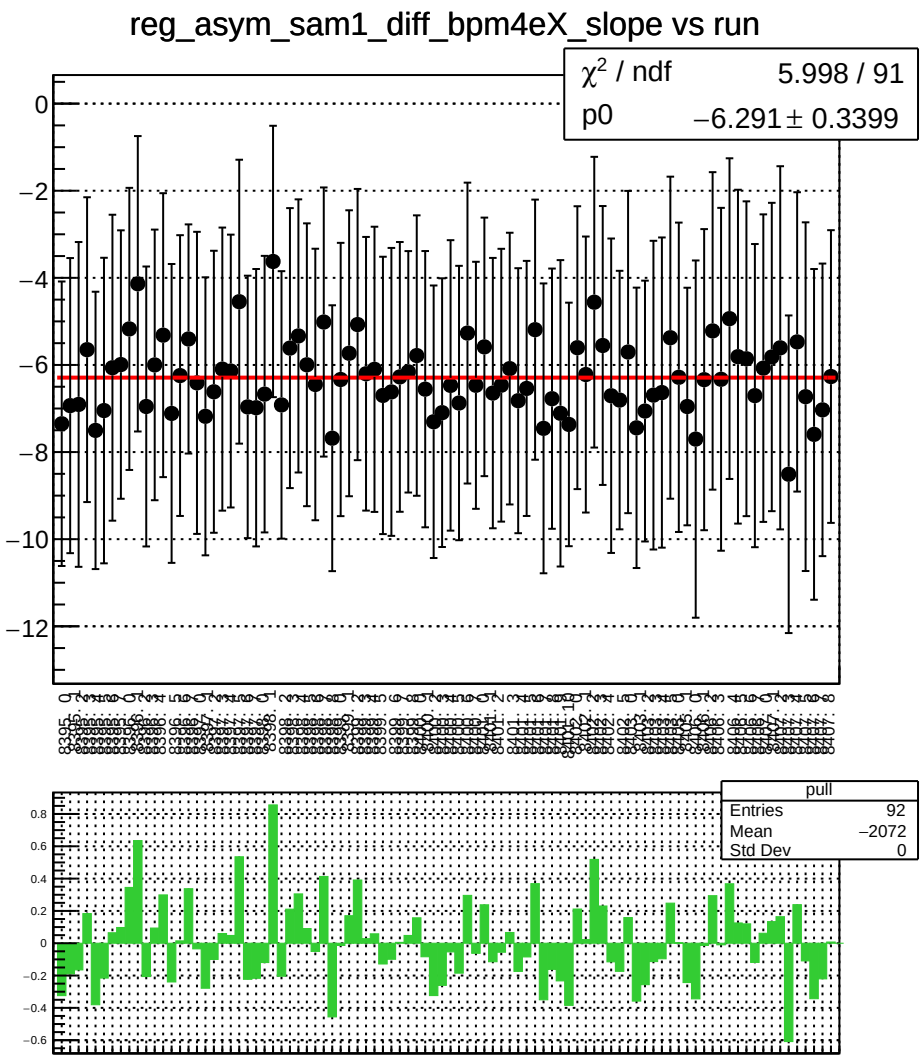

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.44 / 91
p0 2.538e−14 ± 7.636e−14
pull
Entries 92
Mean −18.81
Std Dev 0
pull1D
Entries 92
Mean −0.01807
Std Dev 0.8994

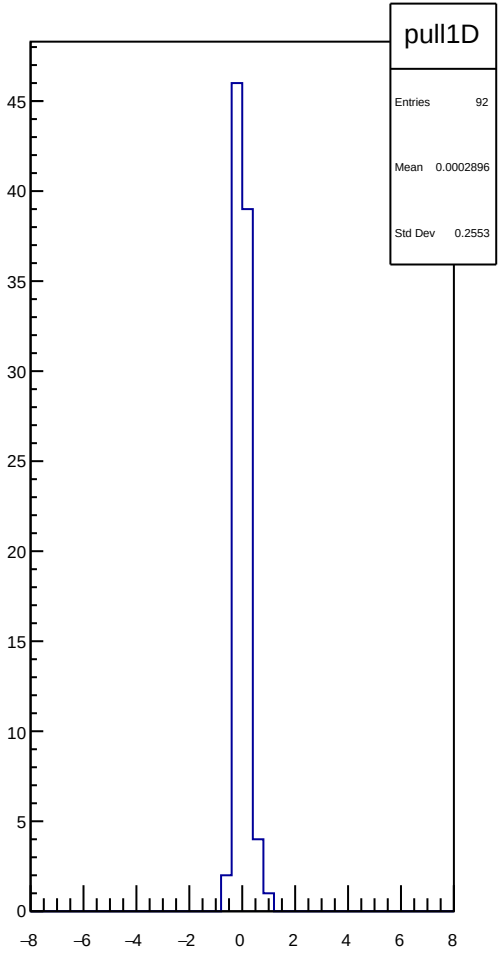

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.888e+05 / 91
p0 5.752e−11 ± 5.4e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

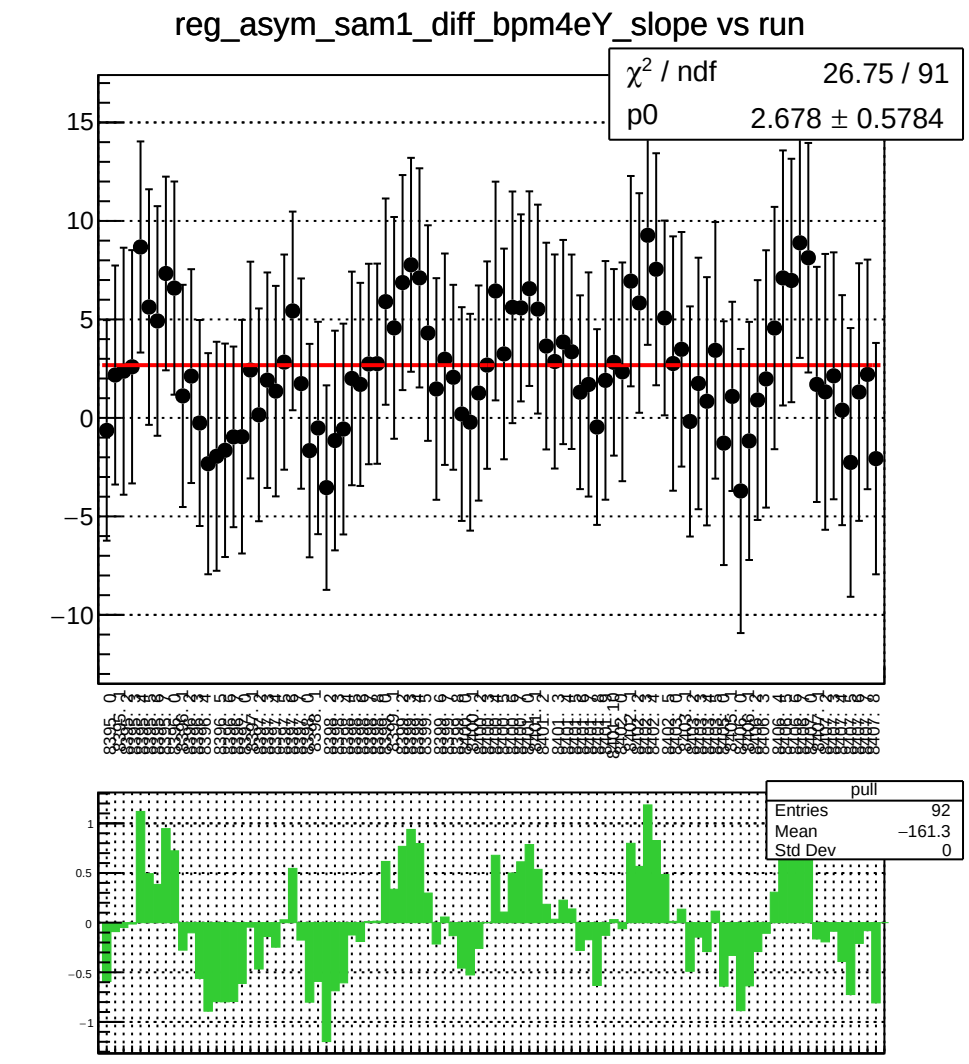

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 6.747 / 91
p0 −3.181 ± 0.3043
pull
Entries 92
Mean −225.8
Std Dev 0
pull1D
Entries 92
Mean −0.001571
Std Dev 0.2708

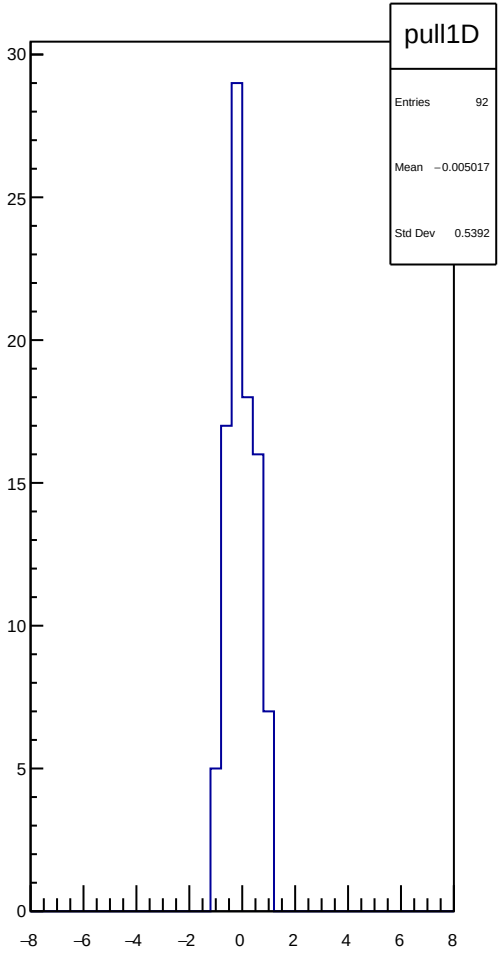

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 22.94 / 91
p0 −44.87 ± 0.5533
pull
Entries 92
Mean 126.5
Std Dev 0

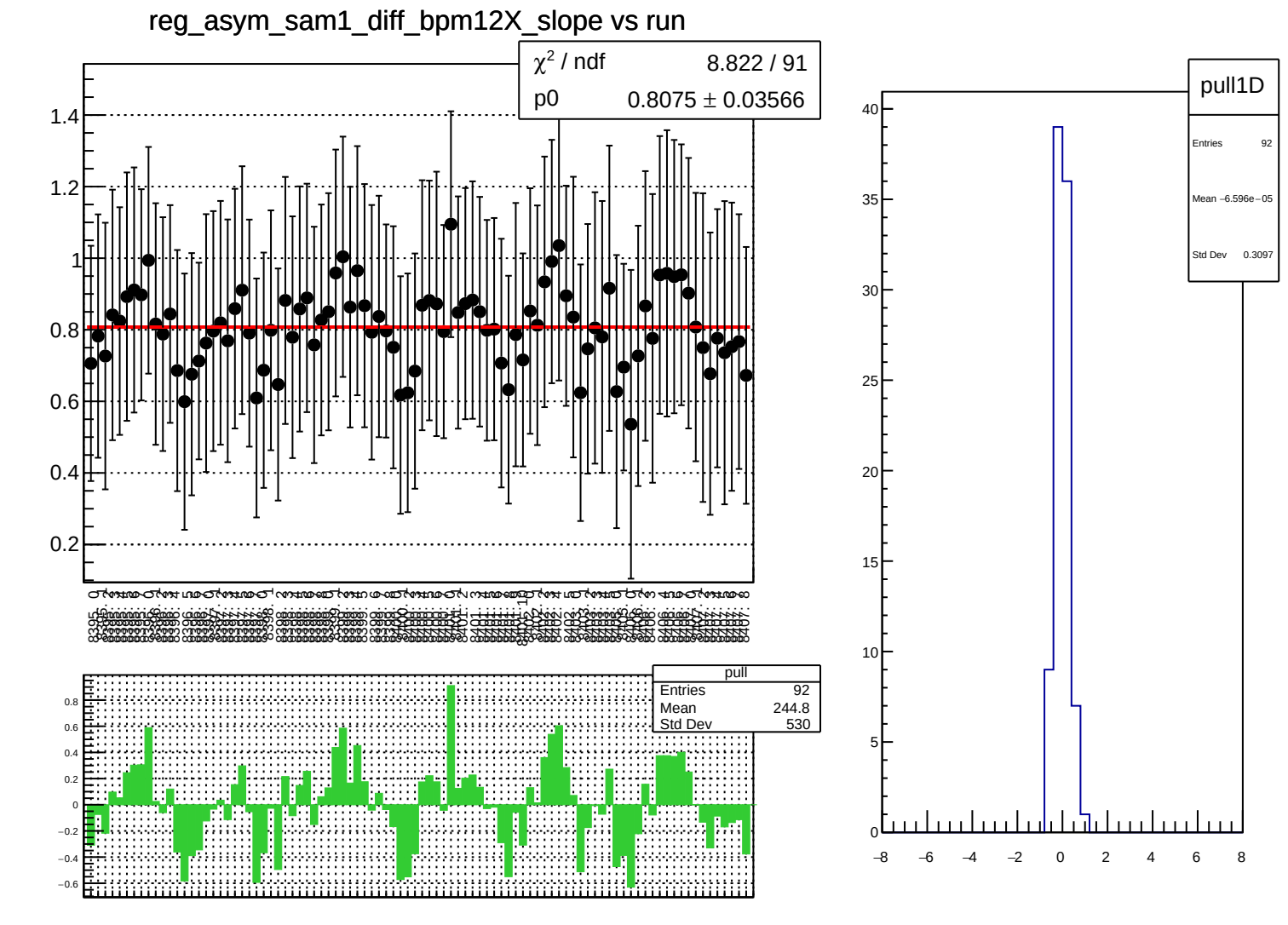

pull1D
Entries 92
Mean 0.007538
Std Dev 0.4993

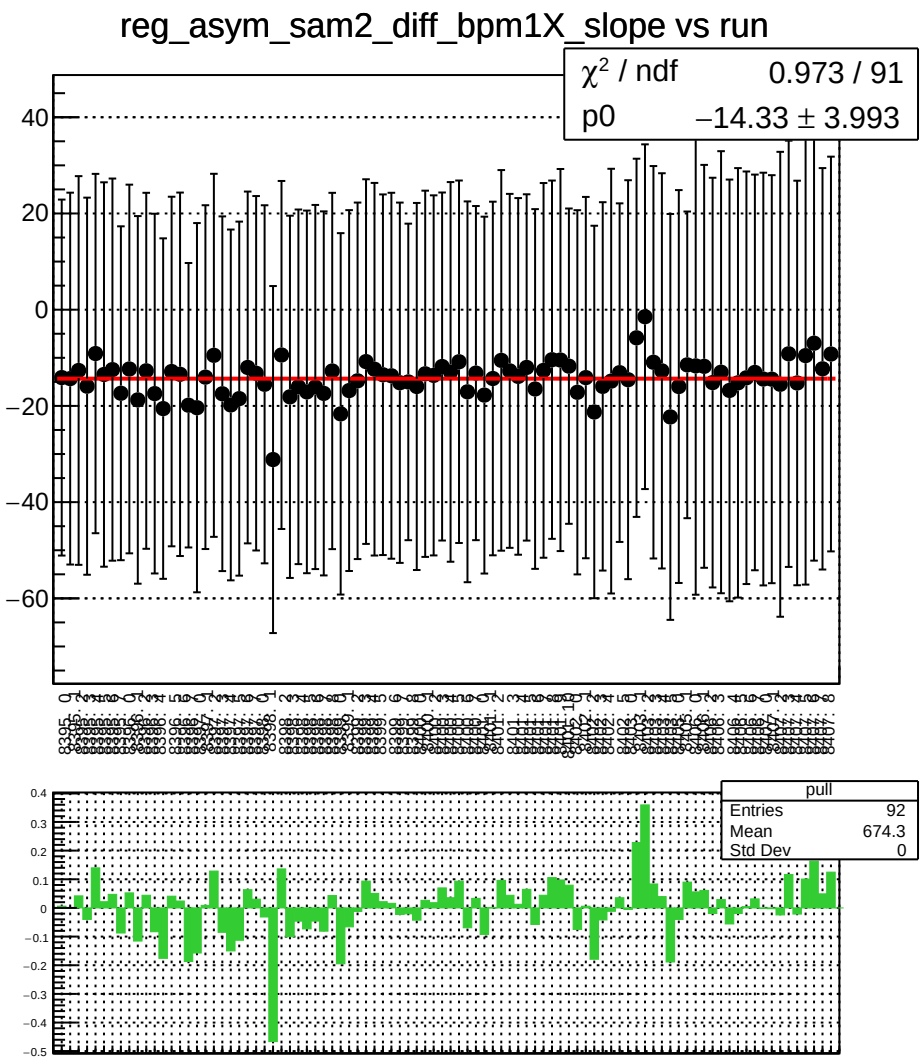

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 5.998 / 91
p0 −6.291 ± 0.3399
pull
Entries 92
Mean −2072
Std Dev 0

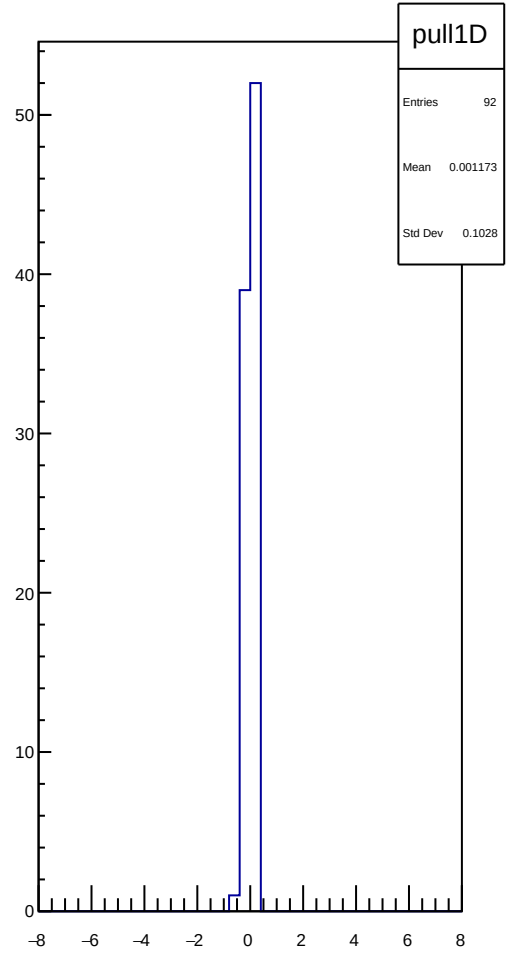

pull1D
Entries 92
Mean 0.0002896
Std Dev 0.2553

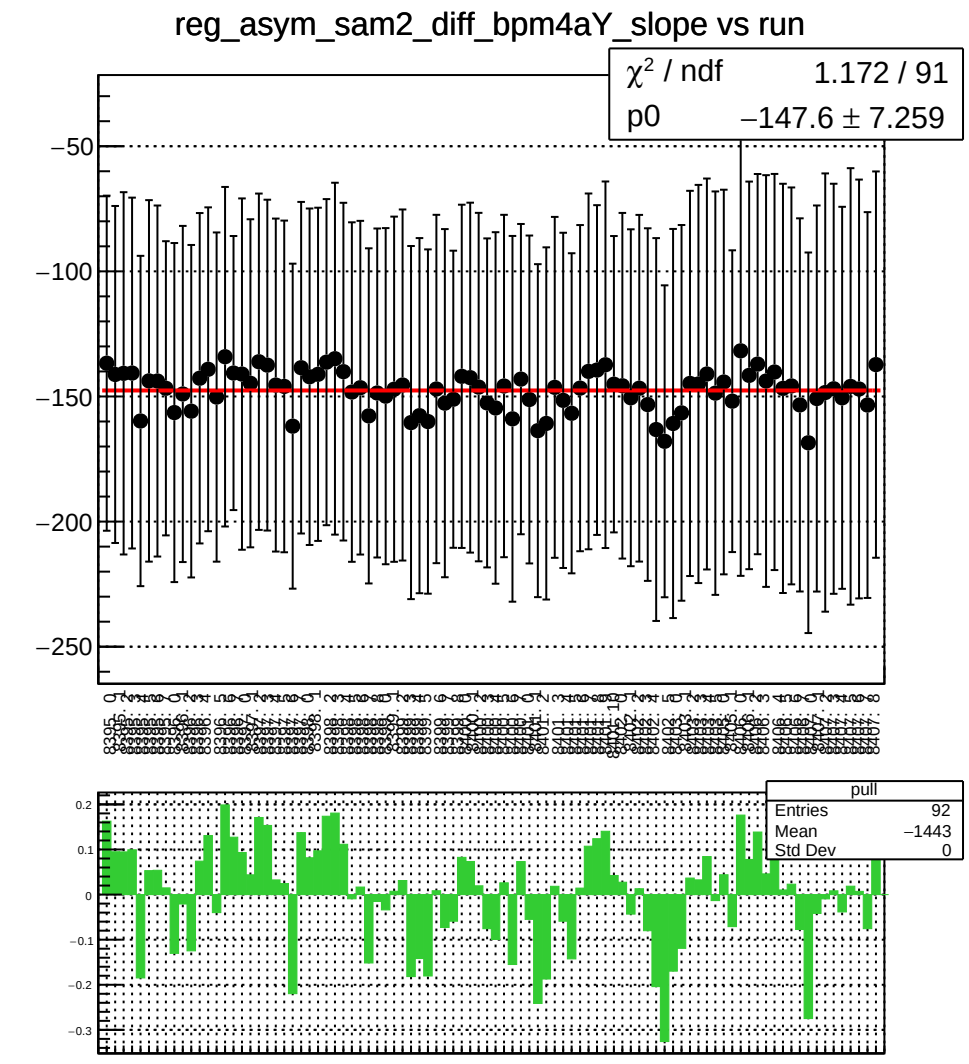

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 26.75 / 91
p0 2.678 ± 0.5784
pull
Entries 92
Mean −161.3
Std Dev 0

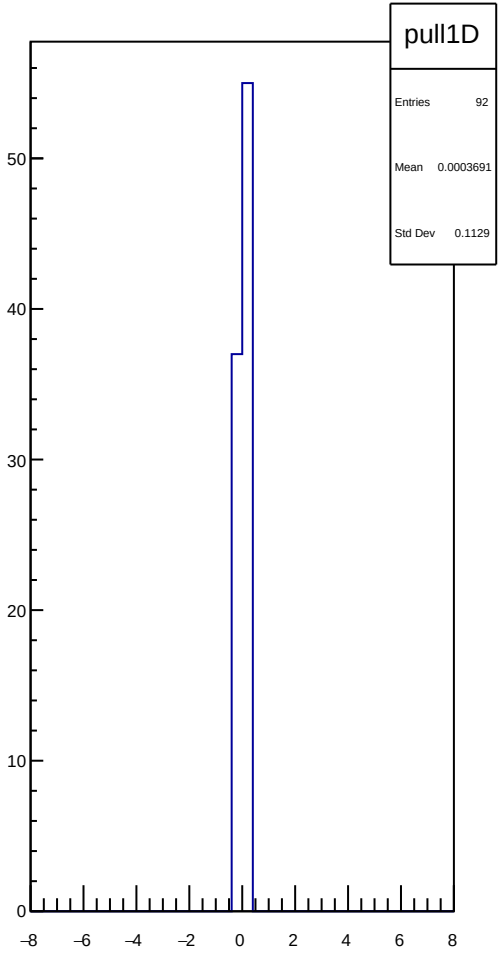

pull1D
Entries 92
Mean −0.005017
Std Dev 0.5392

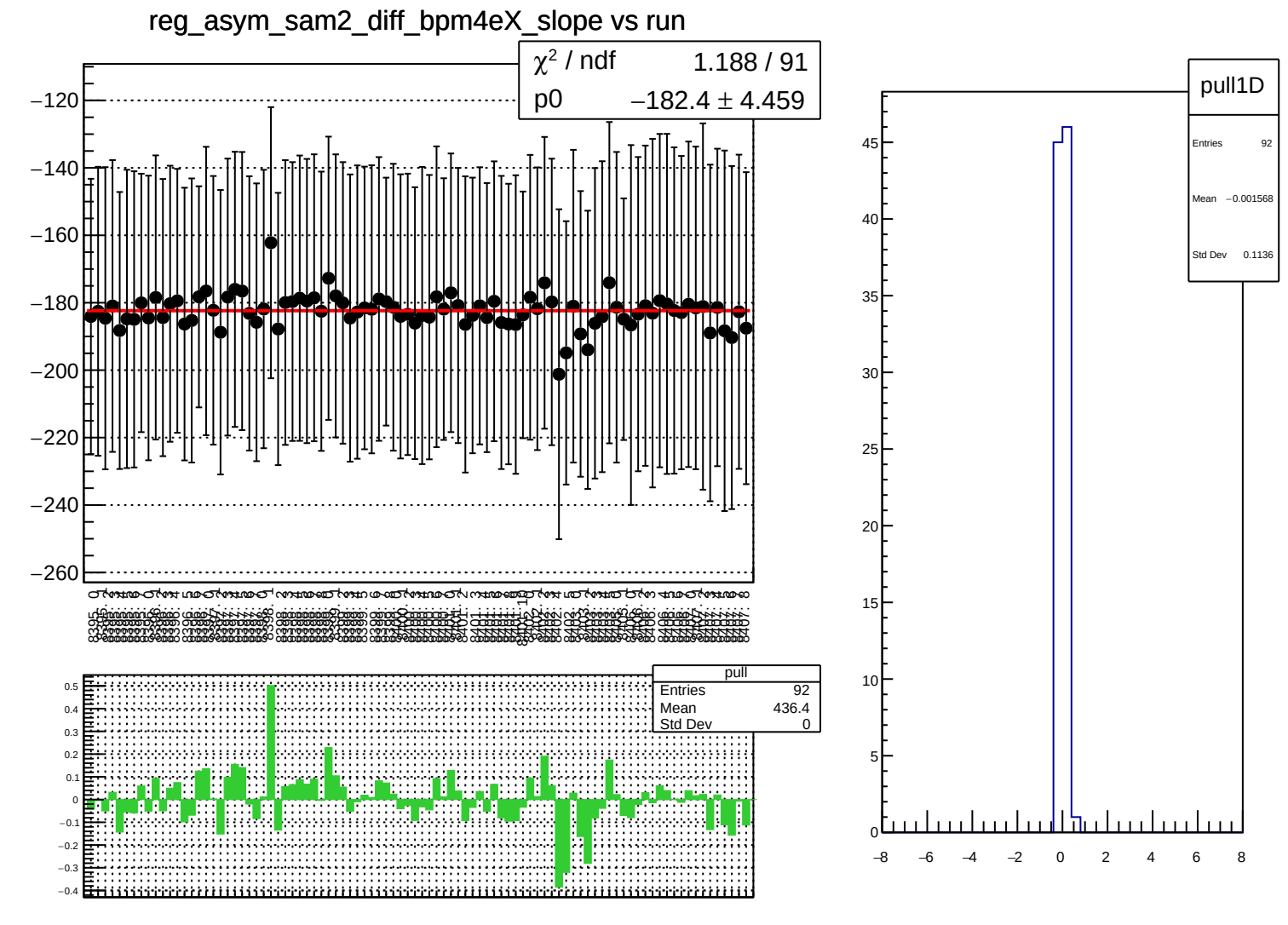

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 8.822 / 91
p0 0.8075 ± 0.03566
pull
Entries 92
Mean 244.8
Std Dev 530
pull1D
Entries 92
Mean −6.596e−05
Std Dev 0.3097

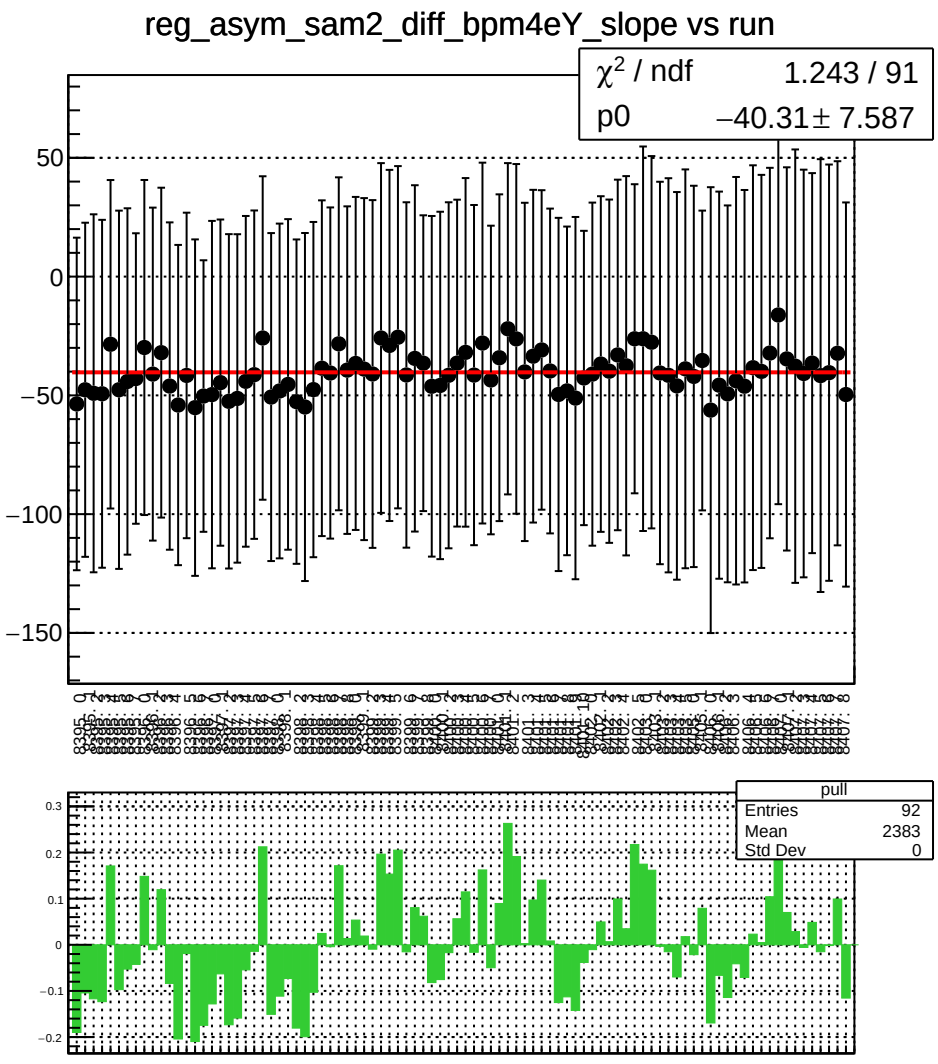

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 0.973 / 91
p0 −14.33 ± 3.993
pull
Entries 92
Mean 674.3
Std Dev 0

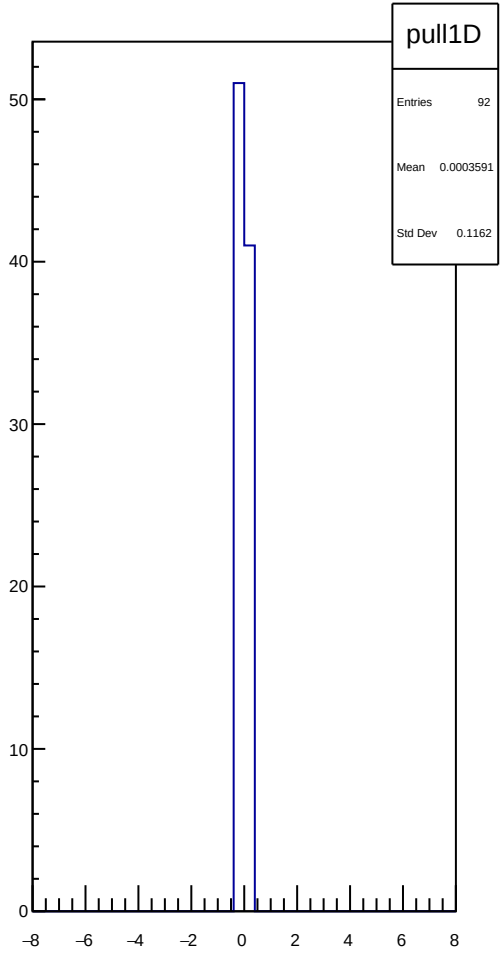

pull1D
Entries 92
Mean 0.001173
Std Dev 0.1028

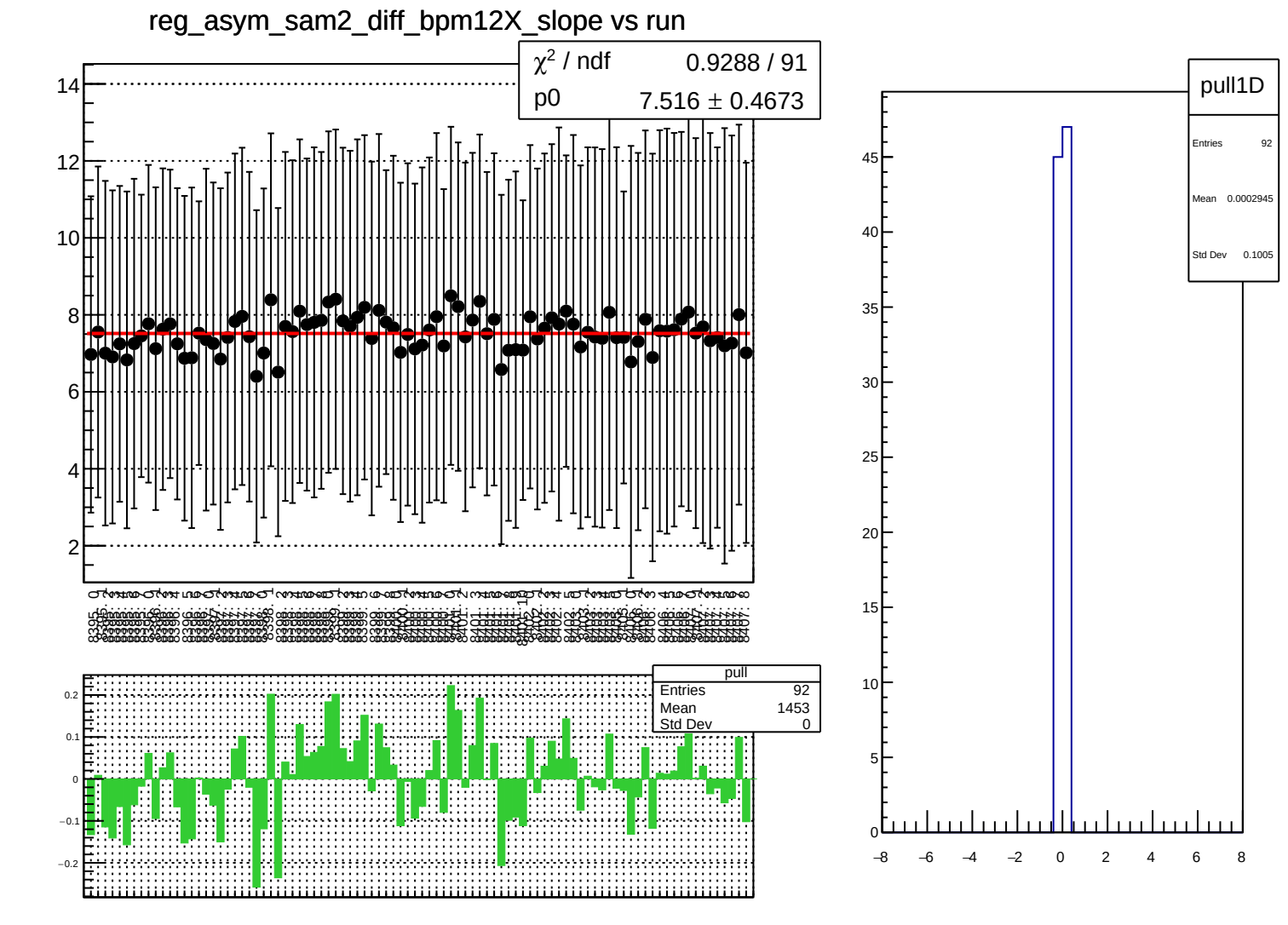

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 1.172 / 91
p0 −147.6 ± 7.259
−50
−100
−150
−200
−250
pull
Entries 92
Mean −1443
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

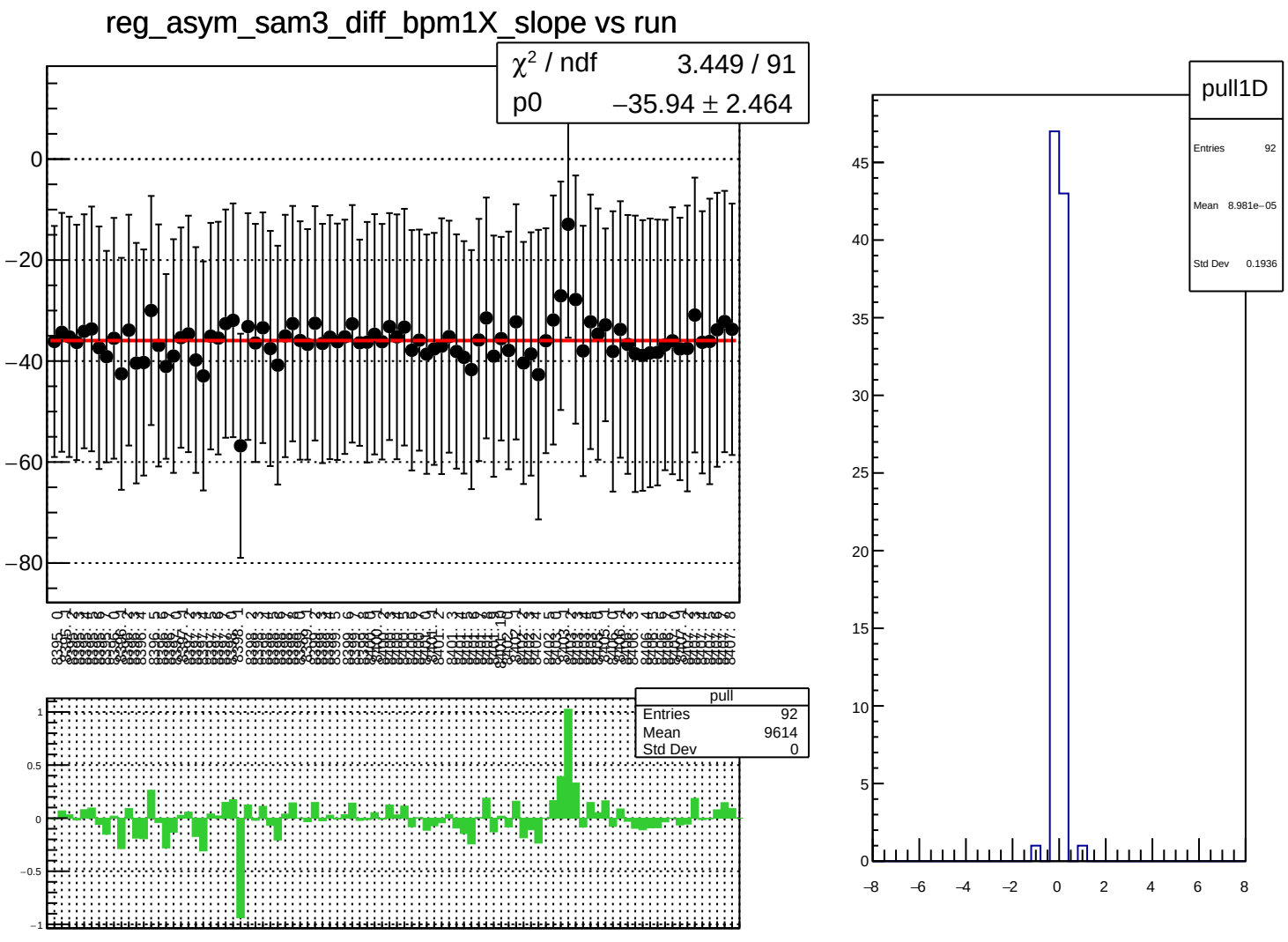

pull1D
Entries 92
Mean 0.0003691
Std Dev 0.1129
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

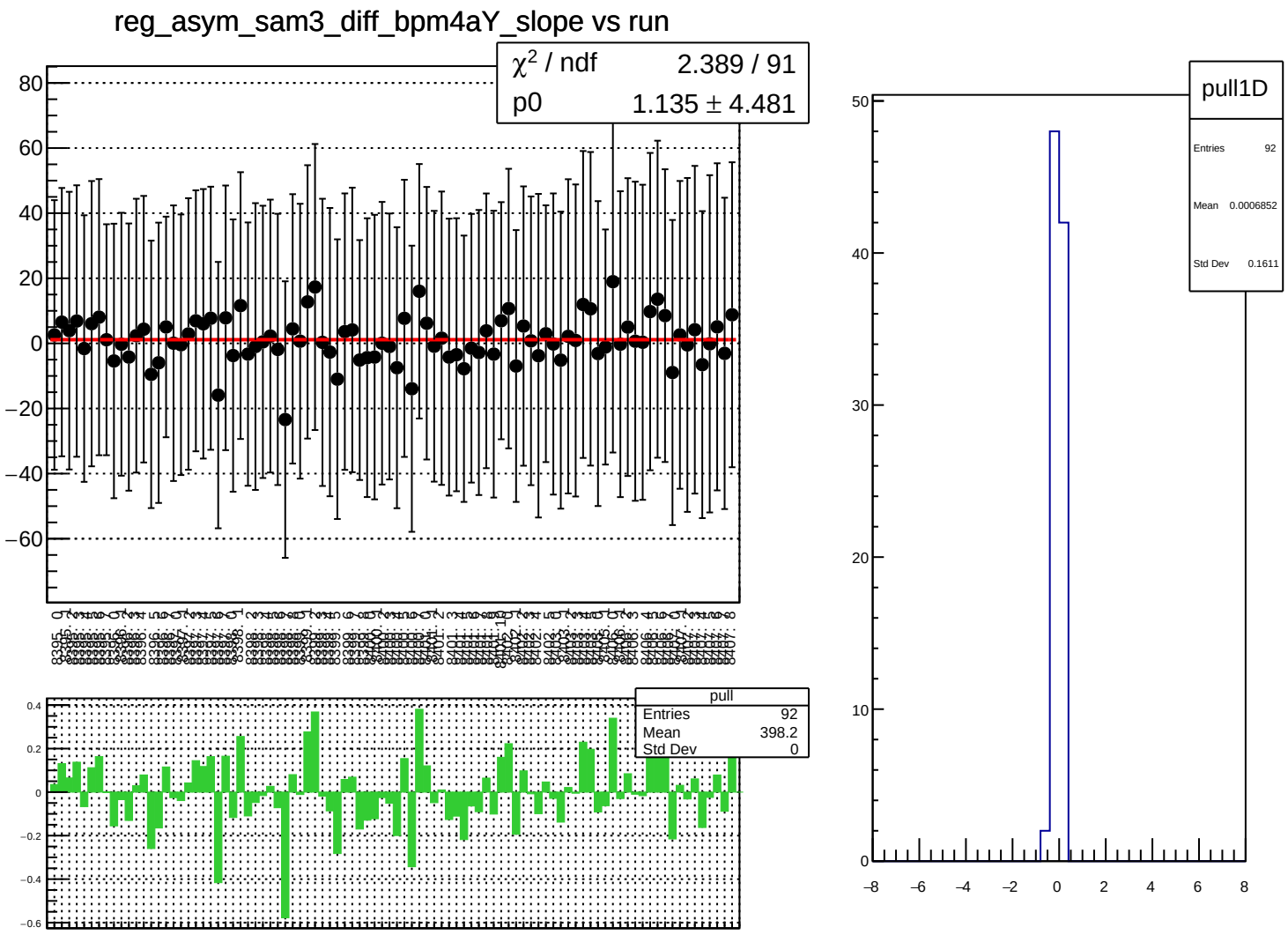

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.188 / 91
p0 −182.4 ± 4.459
pull
Entries 92
Mean 436.4
Std Dev 0
pull1D
Entries 92
Mean −0.001568
Std Dev 0.1136

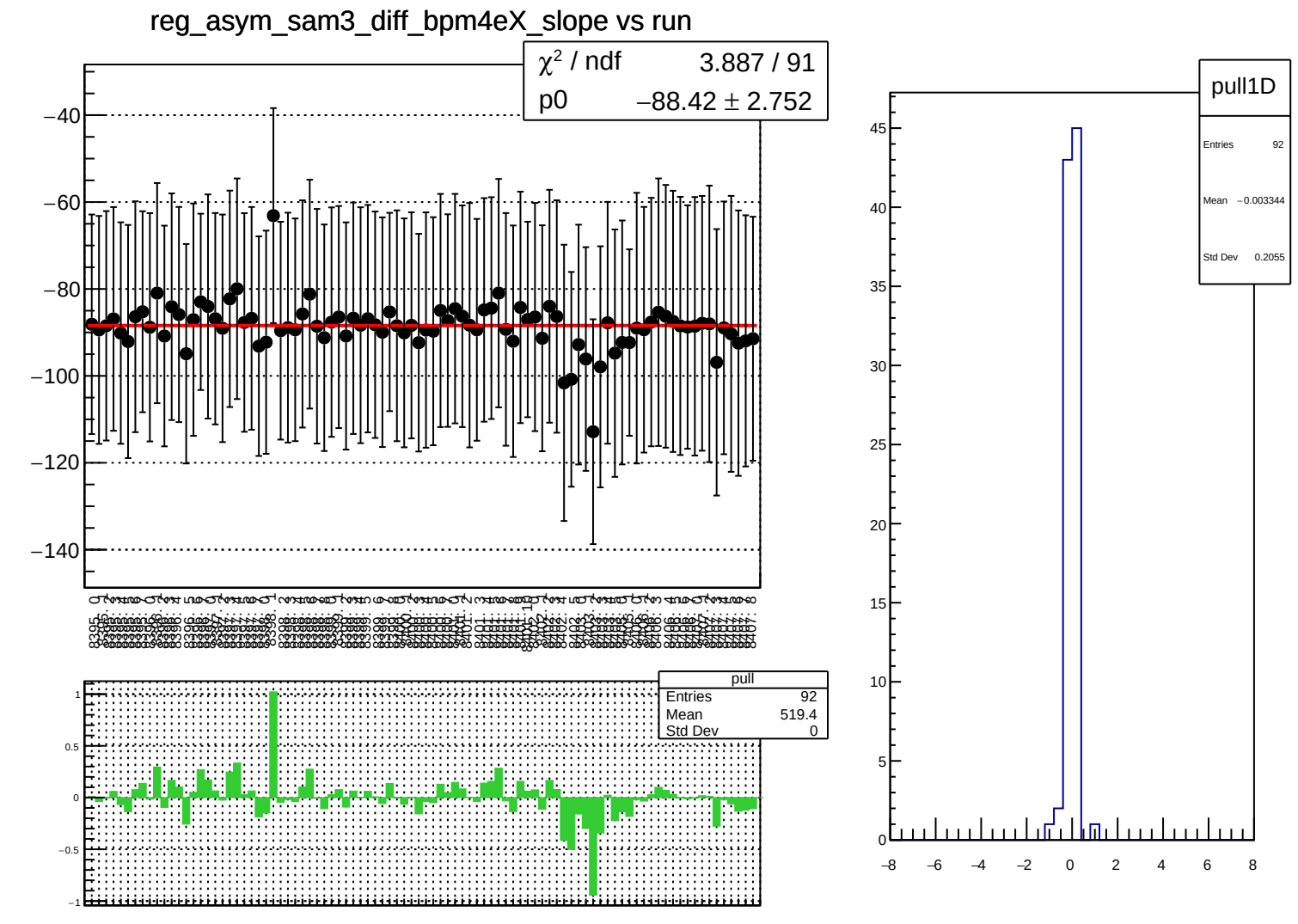

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.243 / 91
p0 −40.31 ± 7.587
50
0
−50
−100
−150
pull
Entries 92
Mean 2383
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2

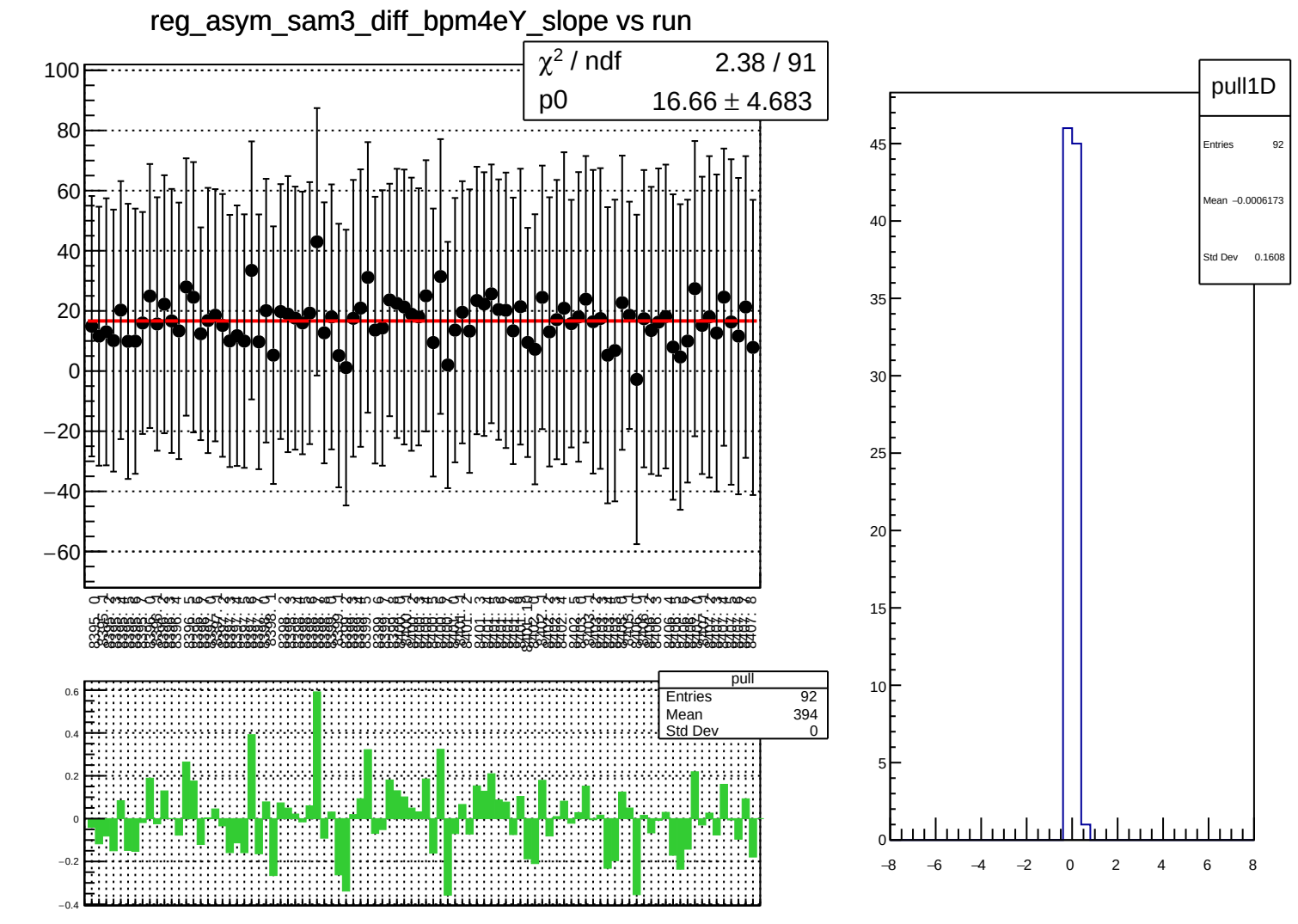

pull1D
Entries 92
Mean 0.0003591
Std Dev 0.1162
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

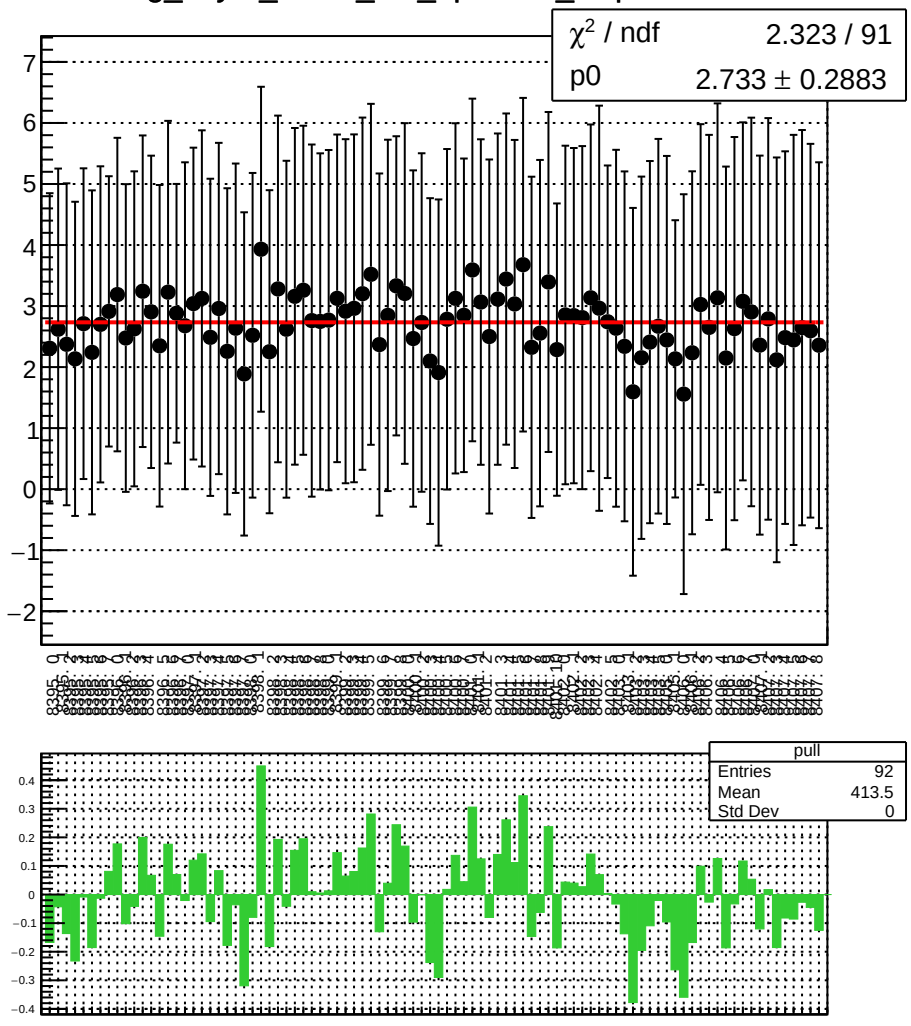

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.9288 / 91
p0 7.516 ± 0.4673
pull
Entries 92
Mean 1453
Std Dev 0
pull1D
Entries 92
Mean 0.0002945
Std Dev 0.1005

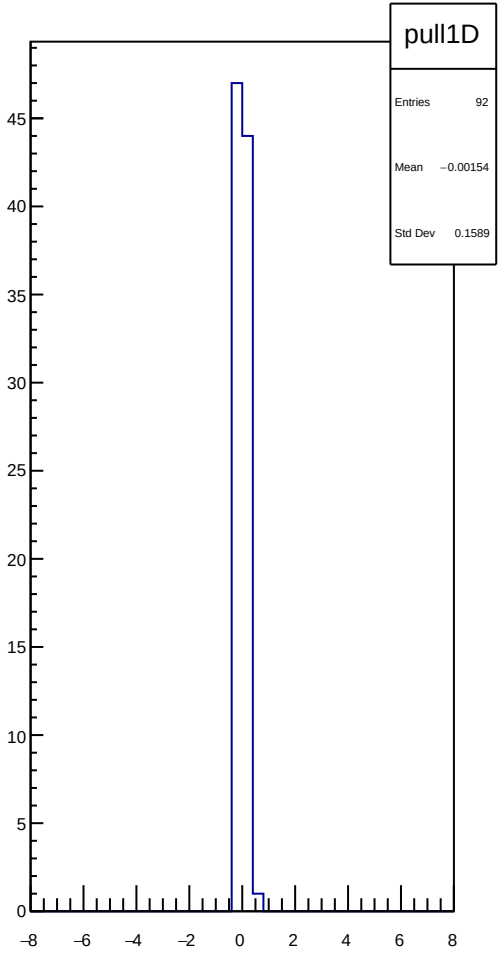

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.449 / 91
p0 −35.94 ± 2.464
0
−20
−40
−60
−80
pull
Entries 92
Mean 9614
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 8.981e−05
Std Dev 0.1936
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

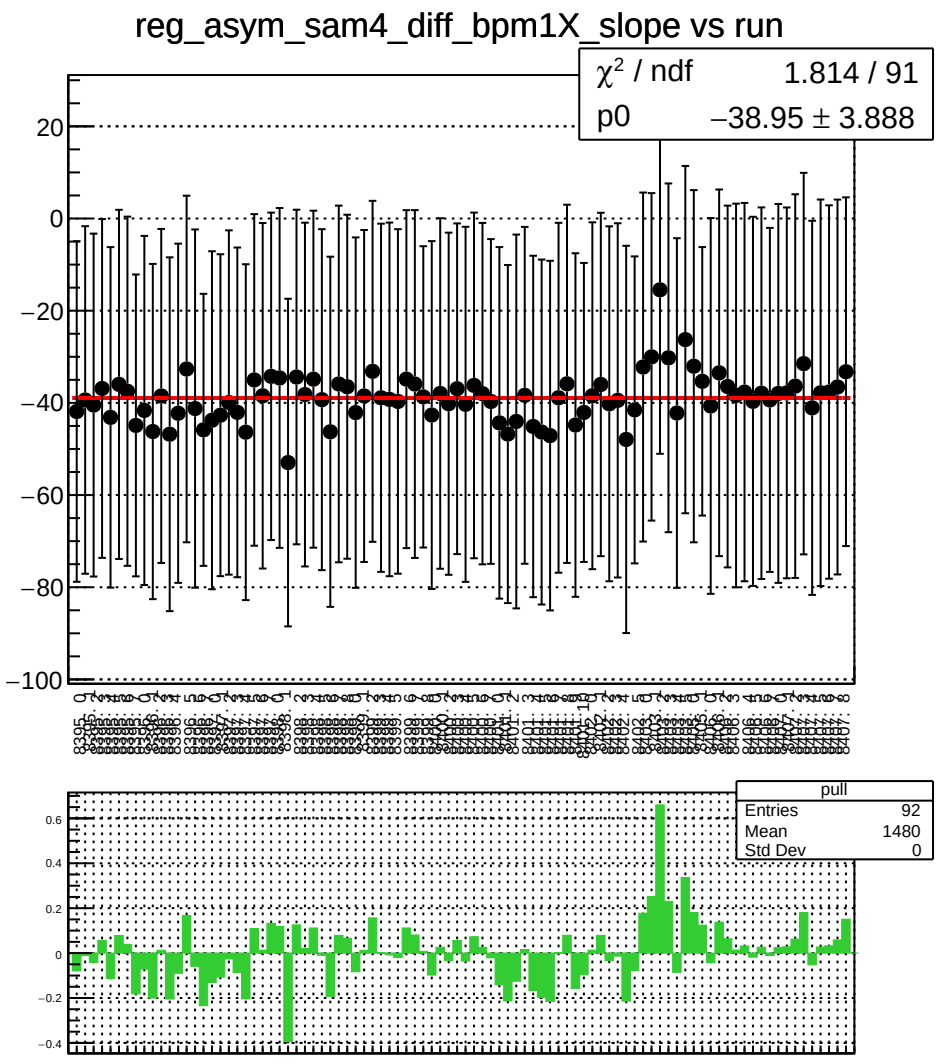

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.389 / 91
p0 1.135 ± 4.481
pull
Entries 92
Mean 398.2
Std Dev 0
pull1D
Entries 92
Mean 0.0006852
Std Dev 0.1611

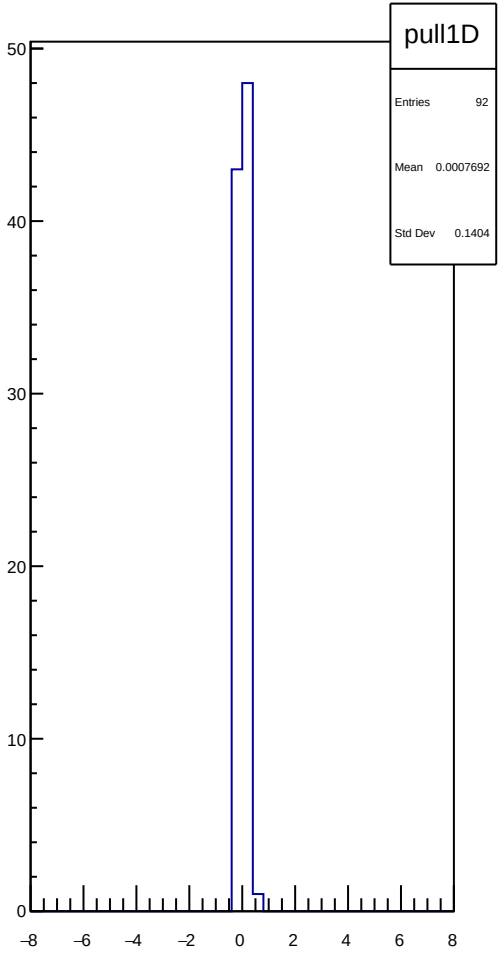

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.887 / 91
p0 −88.42 ± 2.752
−40
−60
−80
−100
−120
−140
pull
Entries 92
Mean 519.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean −0.003344
Std Dev 0.2055
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

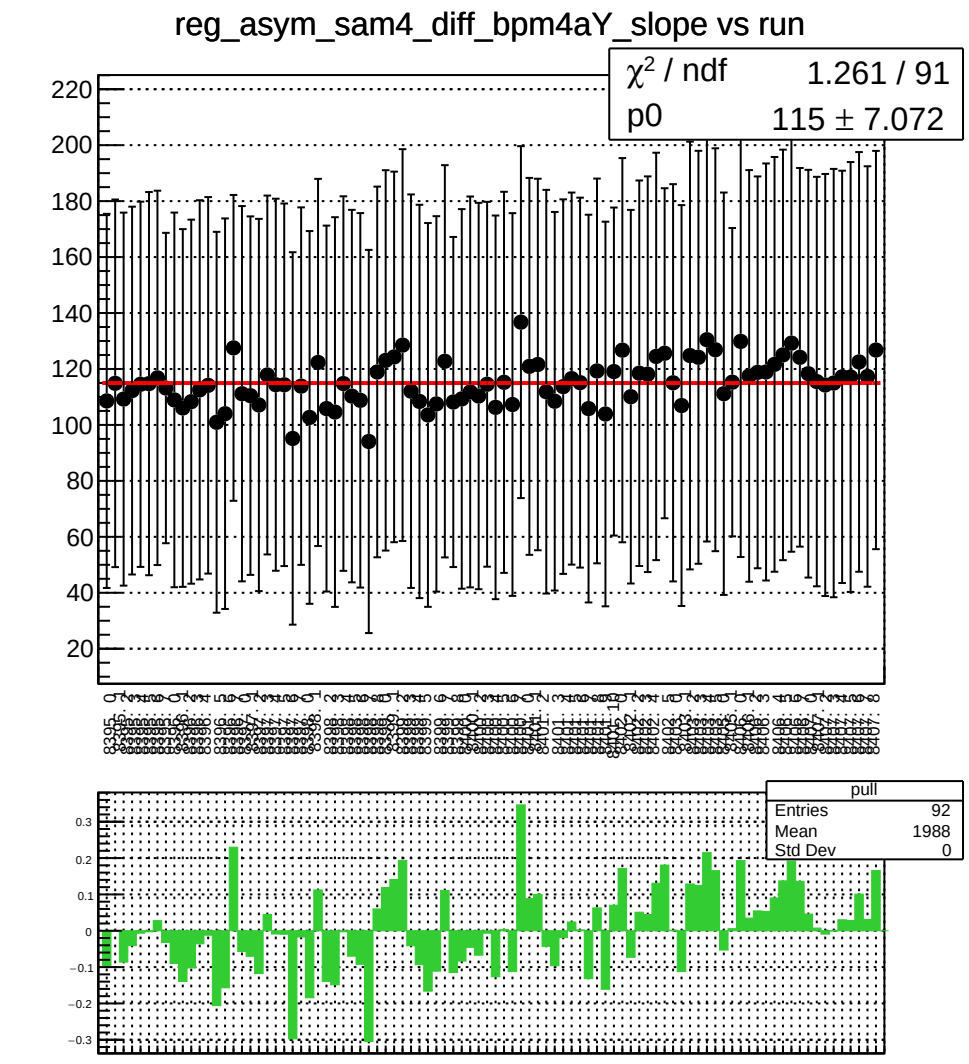

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.38 / 91
p0 16.66 ± 4.683
pull
Entries 92
Mean 394
Std Dev 0
pull1D
Entries 92
Mean −0.0006173
Std Dev 0.1608

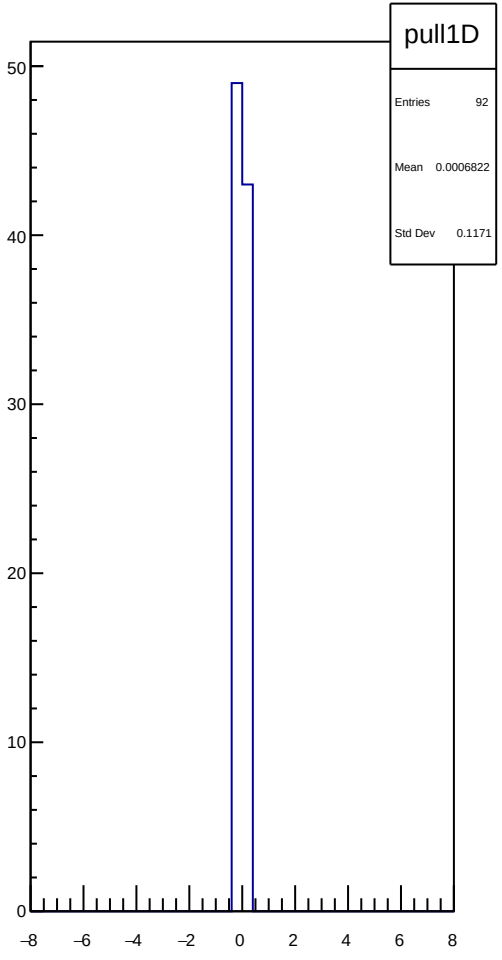

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.323 / 91
p0 2.733 ± 0.2883
pull
Entries 92
Mean 413.5
Std Dev 0

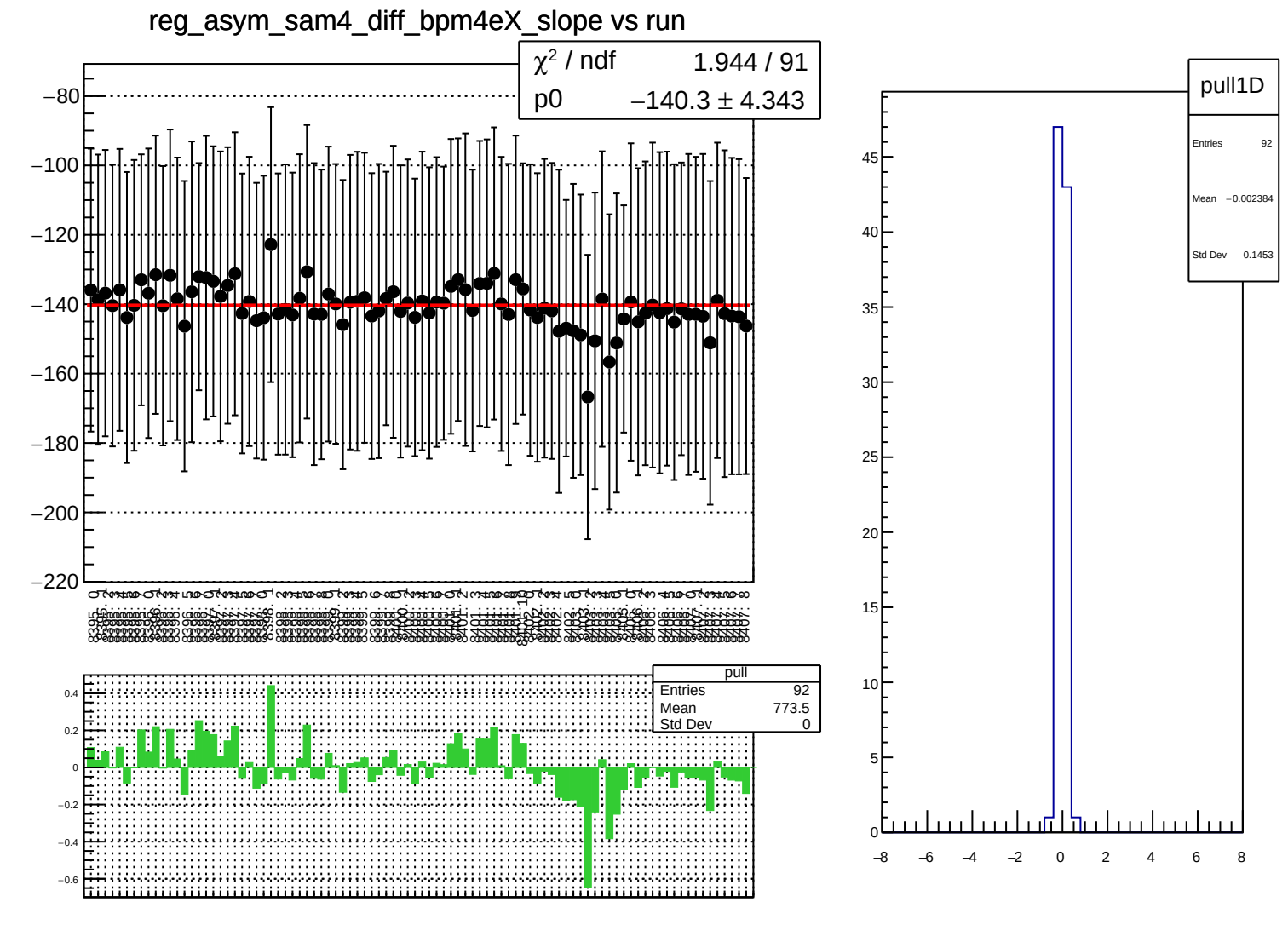

pull1D
Entries 92
Mean −0.00154
Std Dev 0.1589

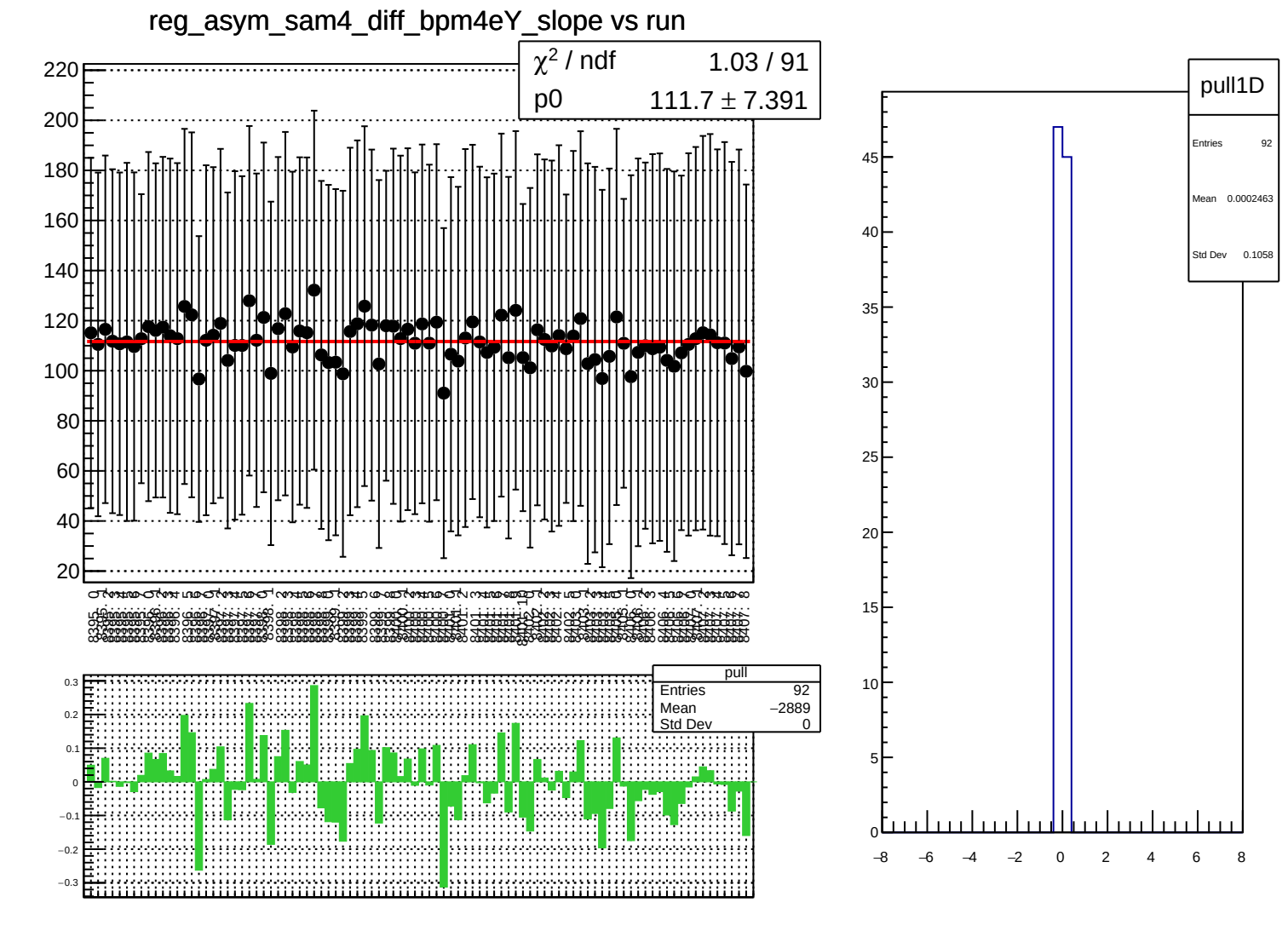

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.814 / 91
p0 −38.95 ± 3.888
pull
Entries 92
Mean 1480
Std Dev 0

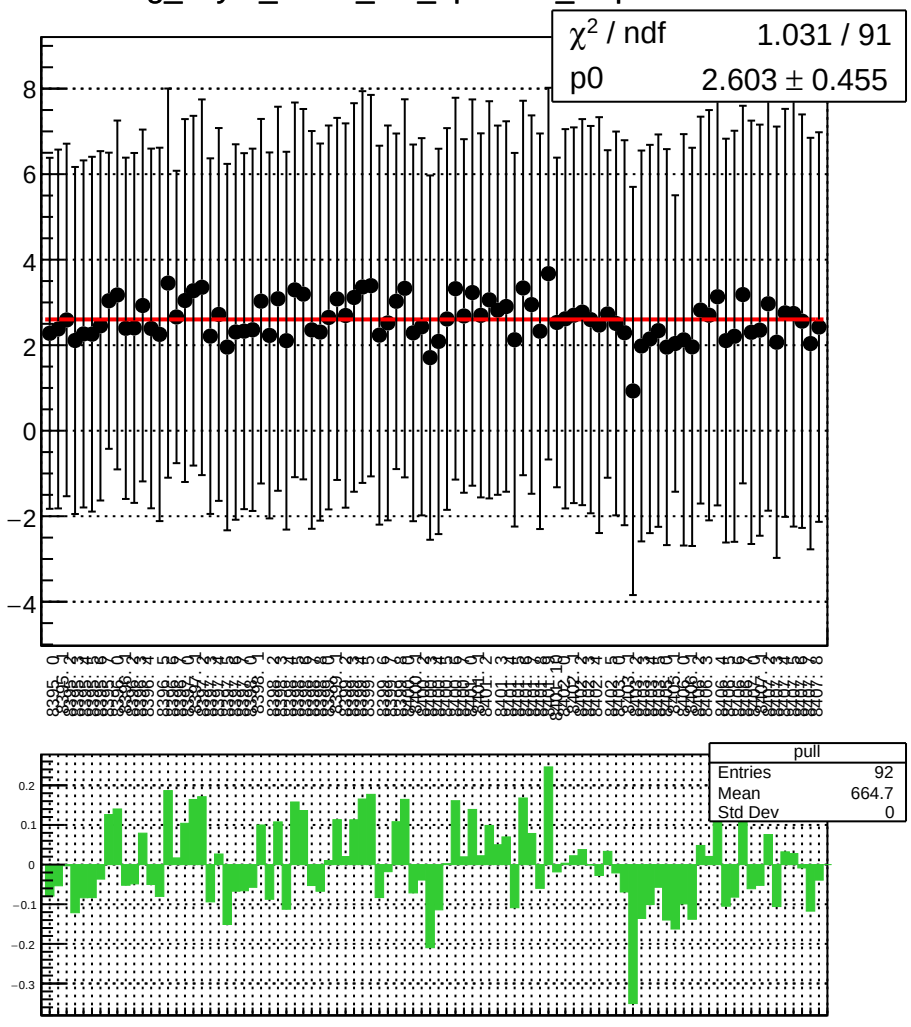

pull1D
Entries 92
Mean 0.0007692
Std Dev 0.1404

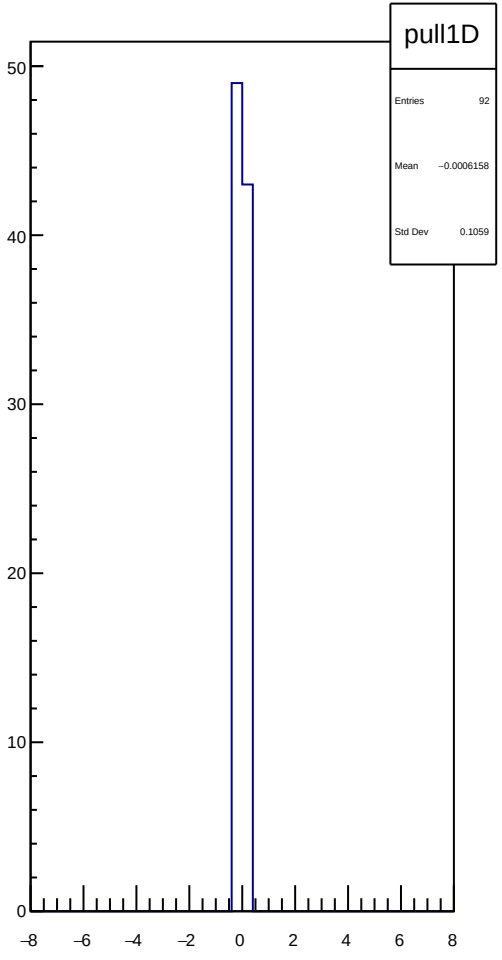

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.261 / 91
p0 115 ± 7.072
pull
Entries 92
Mean 1988
Std Dev 0

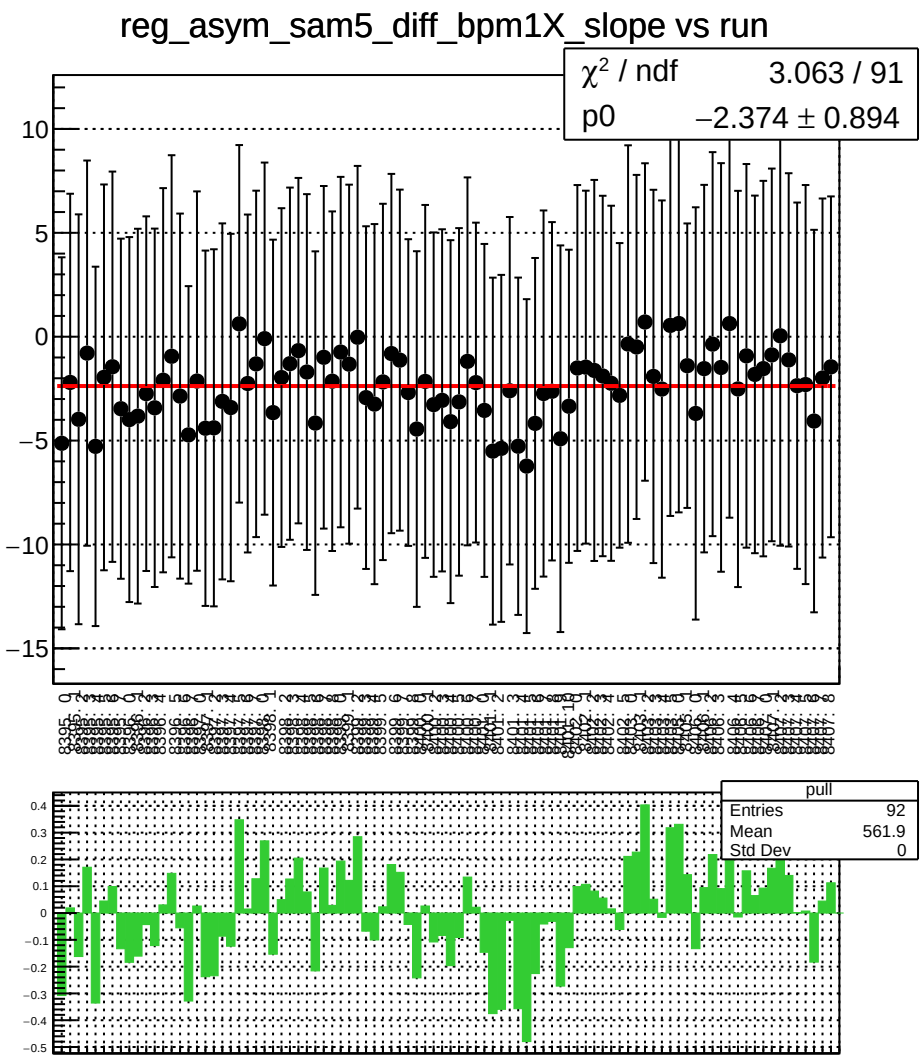

pull1D
Entries 92
Mean 0.0006822
Std Dev 0.1171

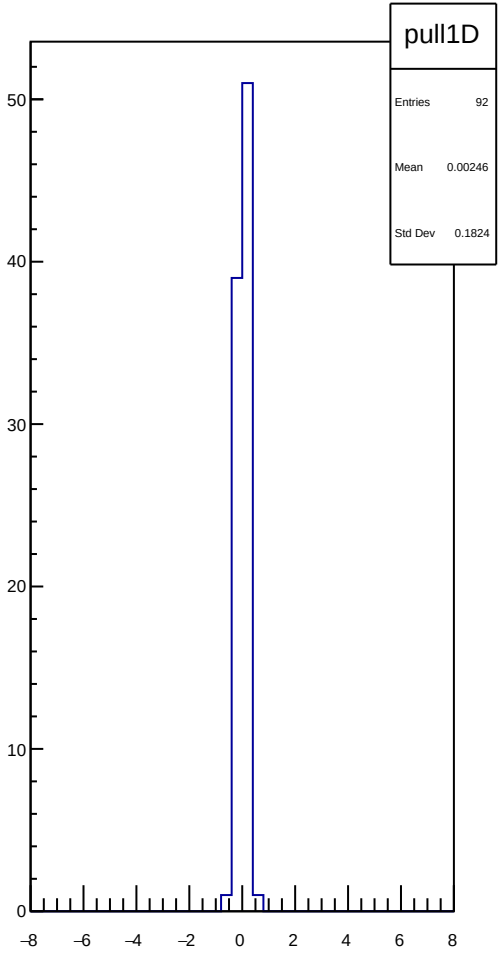

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.944 / 91
p0 −140.3 ± 4.343
pull
Entries 92
Mean 773.5
Std Dev 0
pull1D
Entries 92
Mean −0.002384
Std Dev 0.1453

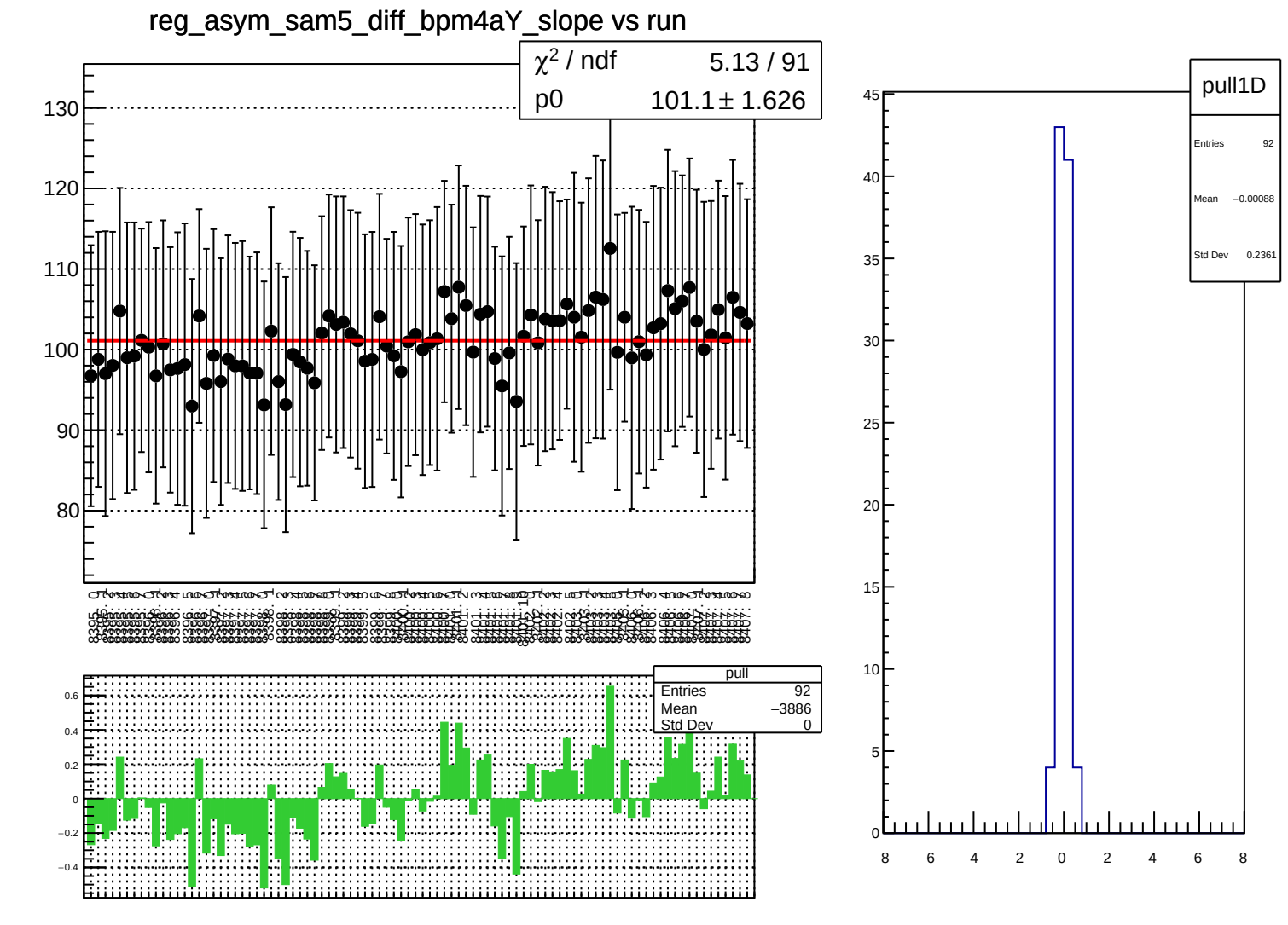

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 1.03 / 91
p0 111.7 ± 7.391
pull
Entries 92
Mean −2889
Std Dev 0
pull1D
Entries 92
Mean 0.0002463
Std Dev 0.1058

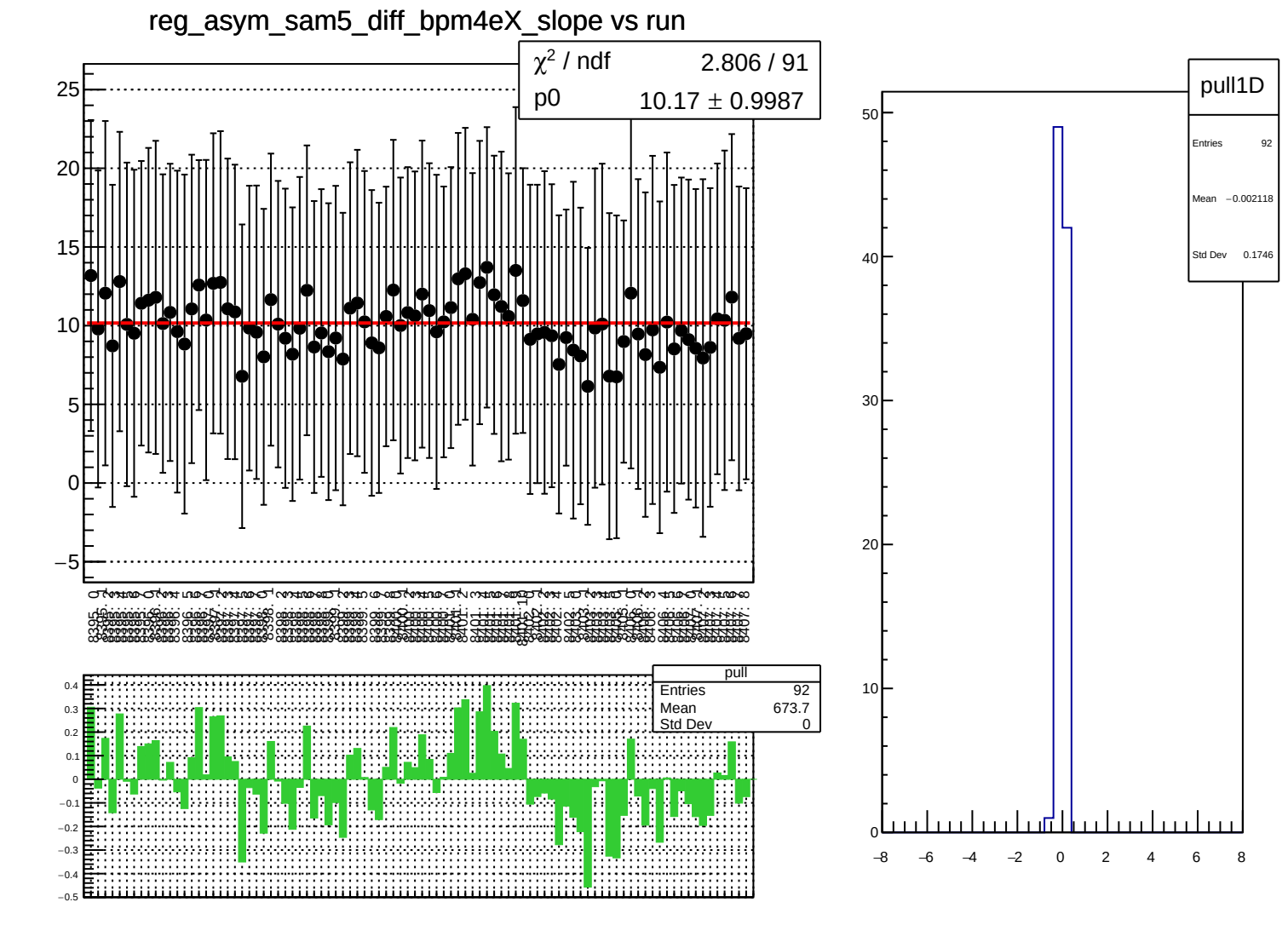

reg_asym_sam4_diff_bpm12X_slope vs run
$\chi^2$ / ndf 1.031 / 91
p0 2.603 ± 0.455
pull
Entries 92
Mean 664.7
Std Dev 0

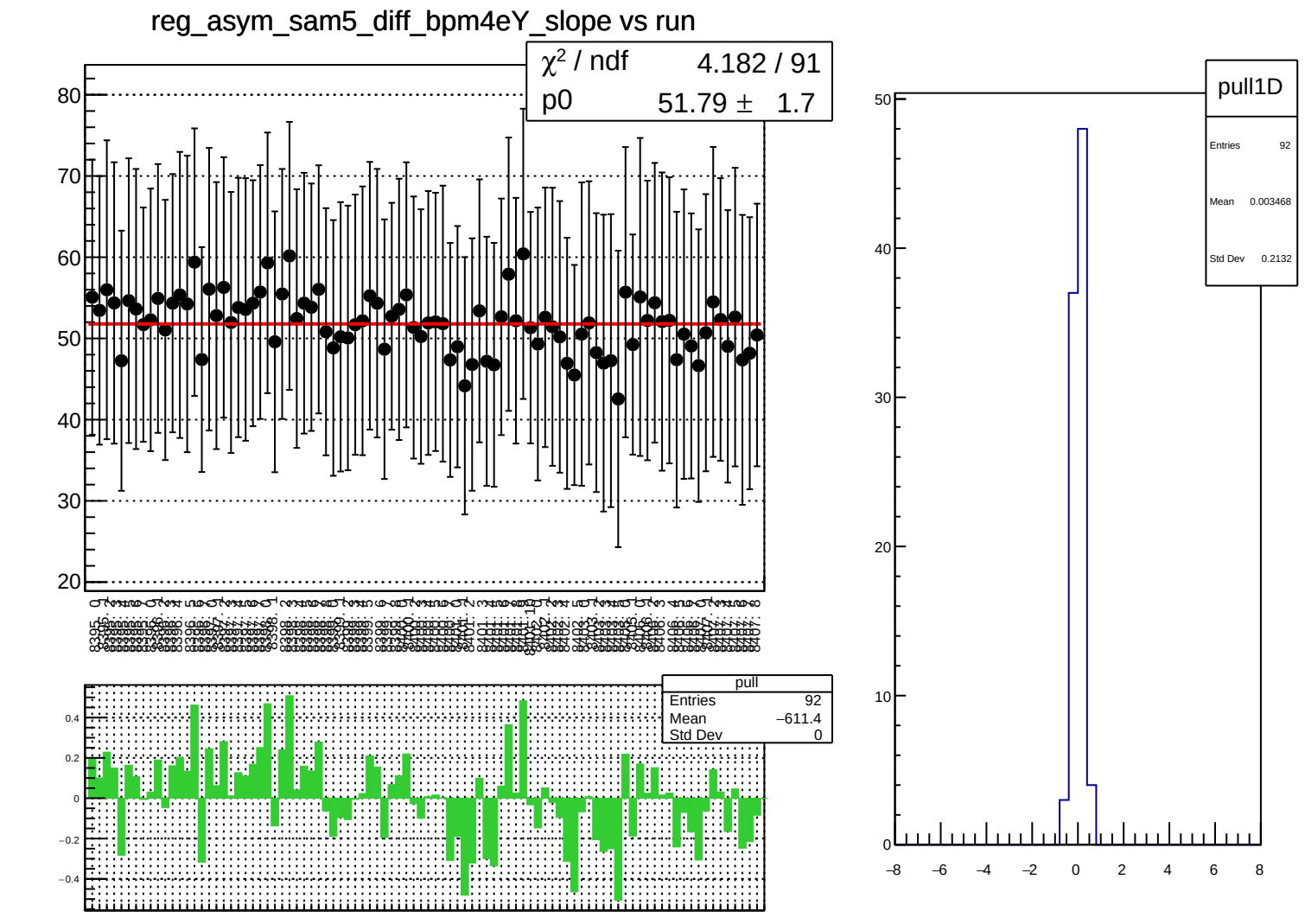

pull1D
Entries 92
Mean −0.0006158
Std Dev 0.1059

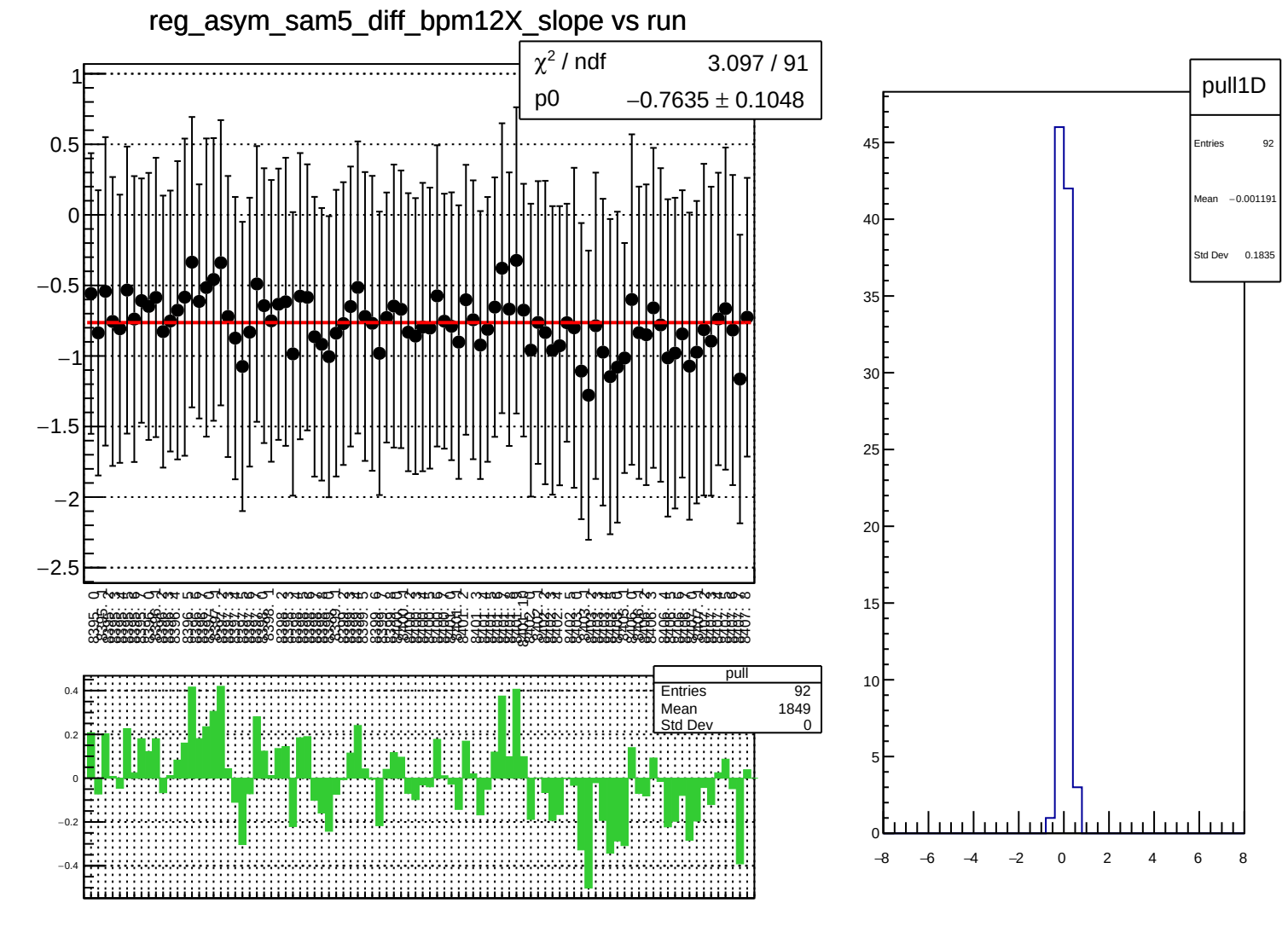

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 3.063 / 91
p0 −2.374 ± 0.894
pull
Entries 92
Mean 561.9
Std Dev 0

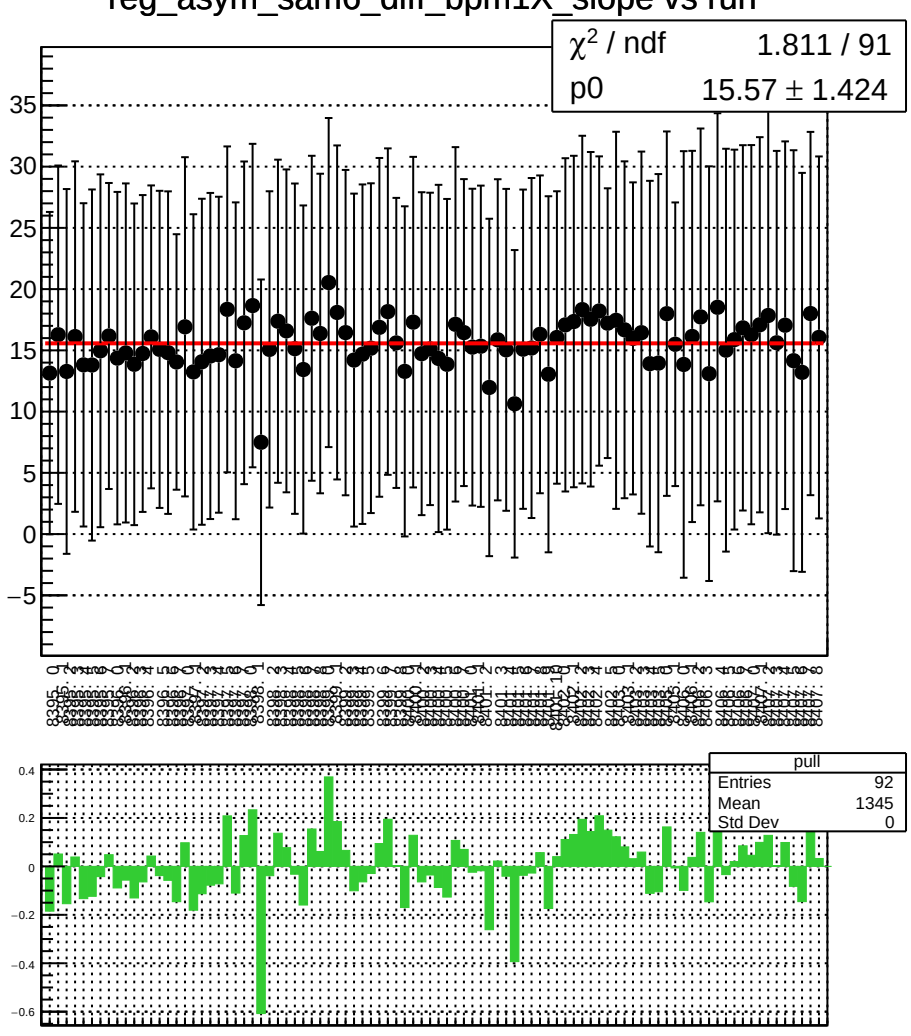

pull1D
Entries 92
Mean 0.00246
Std Dev 0.1824

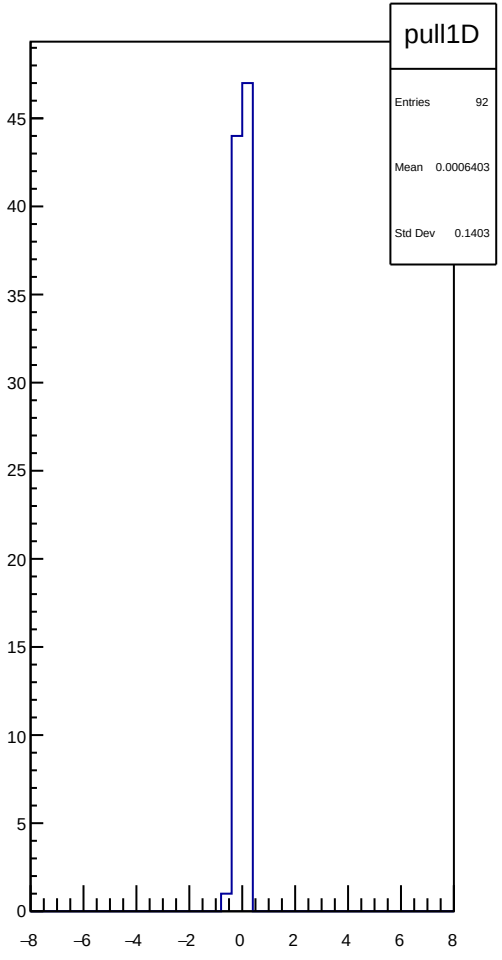

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 5.13 / 91
p0 101.1 ± 1.626
130
120
110
100
90
80
pull
Entries 92
Mean −3886
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean −0.00088
Std Dev 0.2361
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

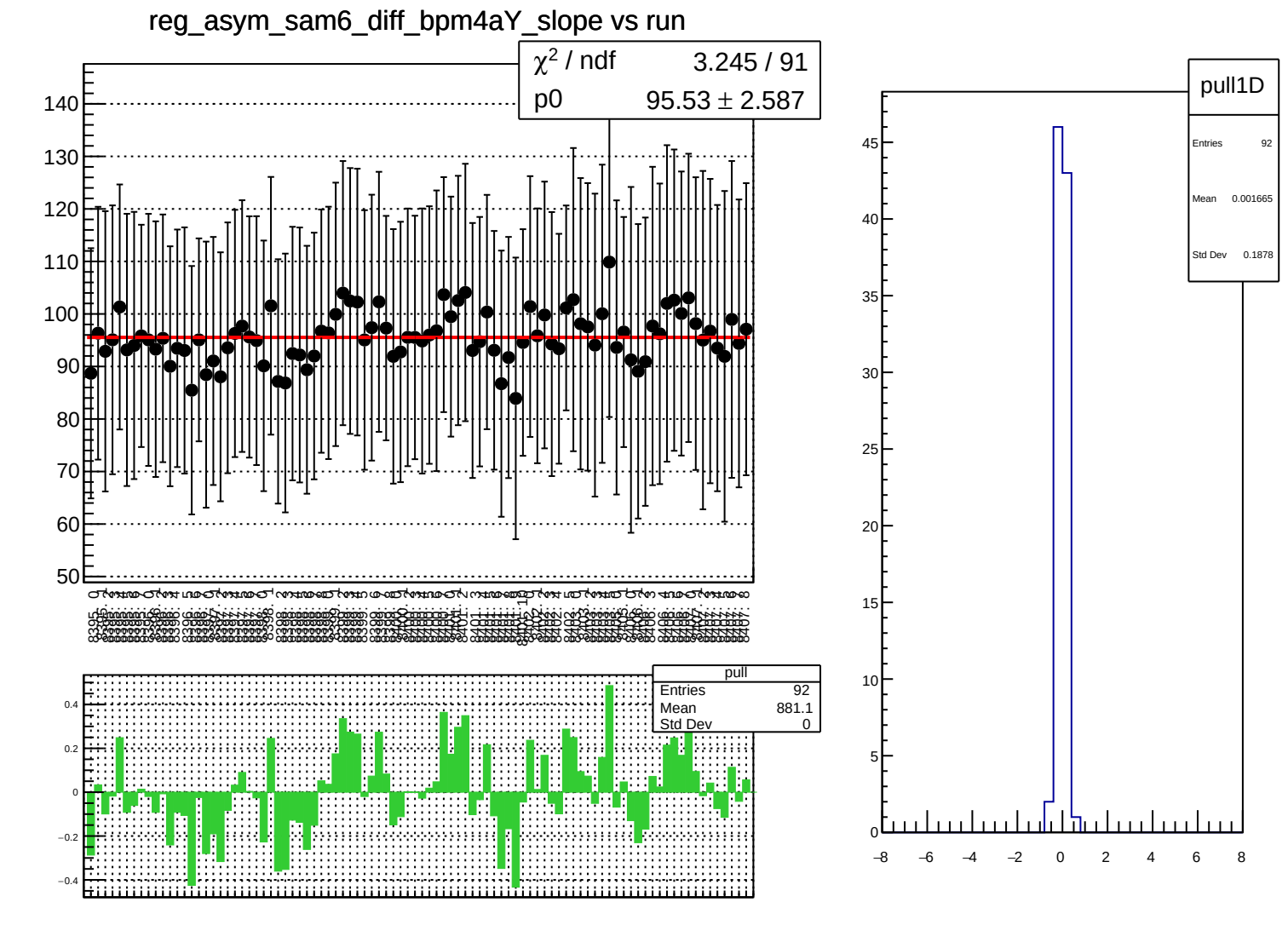

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.806 / 91
p0 10.17 ± 0.9987
pull
Entries 92
Mean 673.7
Std Dev 0
pull1D
Entries 92
Mean −0.002118
Std Dev 0.1746

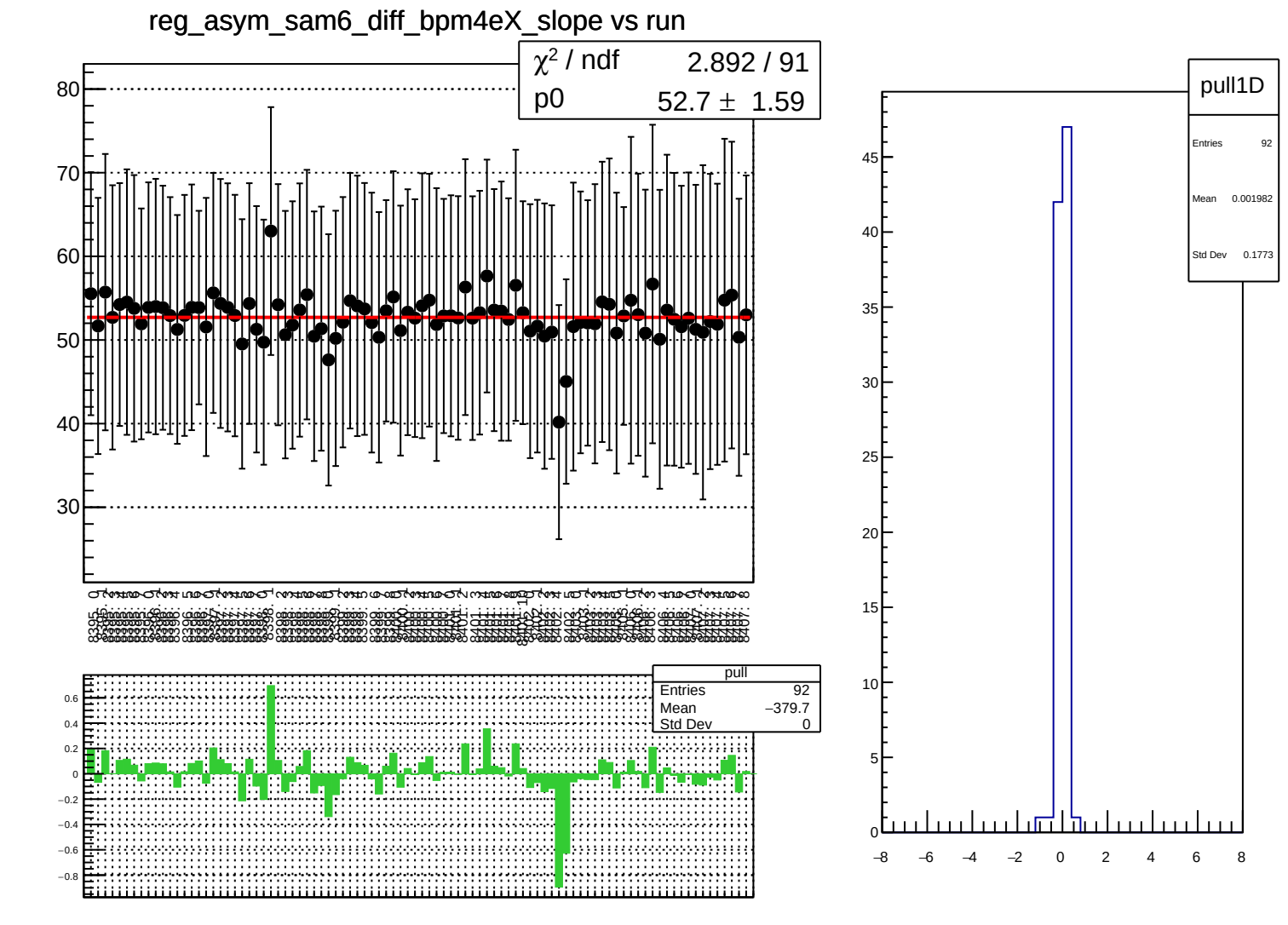

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 4.182 / 91
p0 51.79 ± 1.7
pull
Entries 92
Mean −611.4
Std Dev 0
pull1D
Entries 92
Mean 0.003468
Std Dev 0.2132

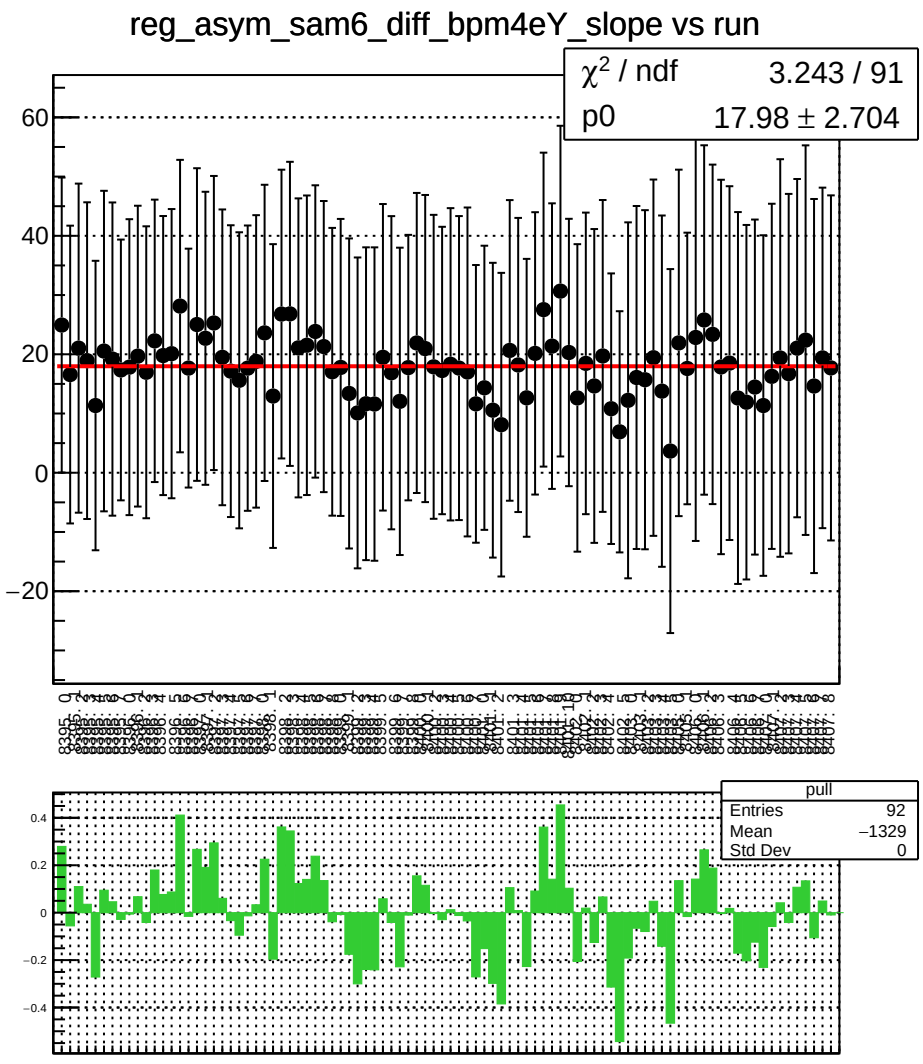

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 3.097 / 91
p0 −0.7635 ± 0.1048
pull
Entries 92
Mean 1849
Std Dev 0
pull1D
Entries 92
Mean −0.001191
Std Dev 0.1835

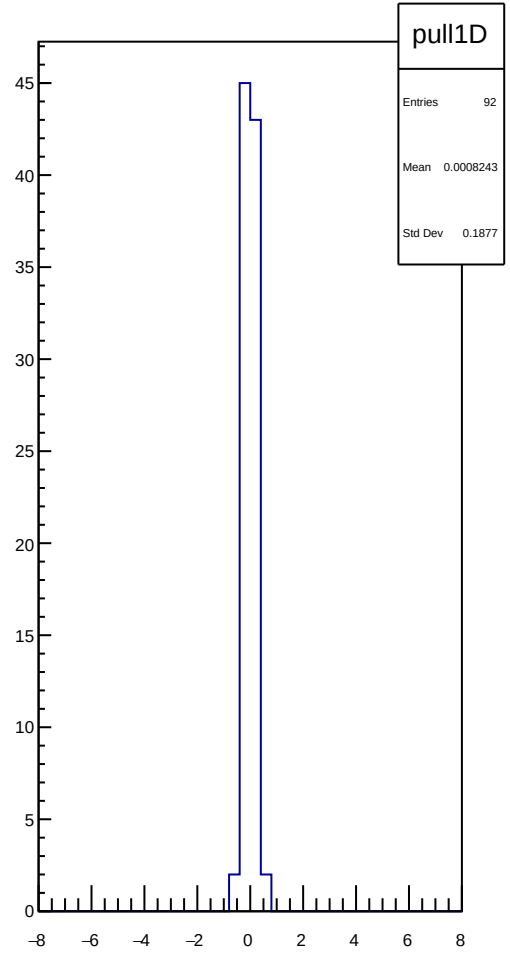

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 1.811 / 91
p0 15.57 ± 1.424
pull
Entries 92
Mean 1345
Std Dev 0

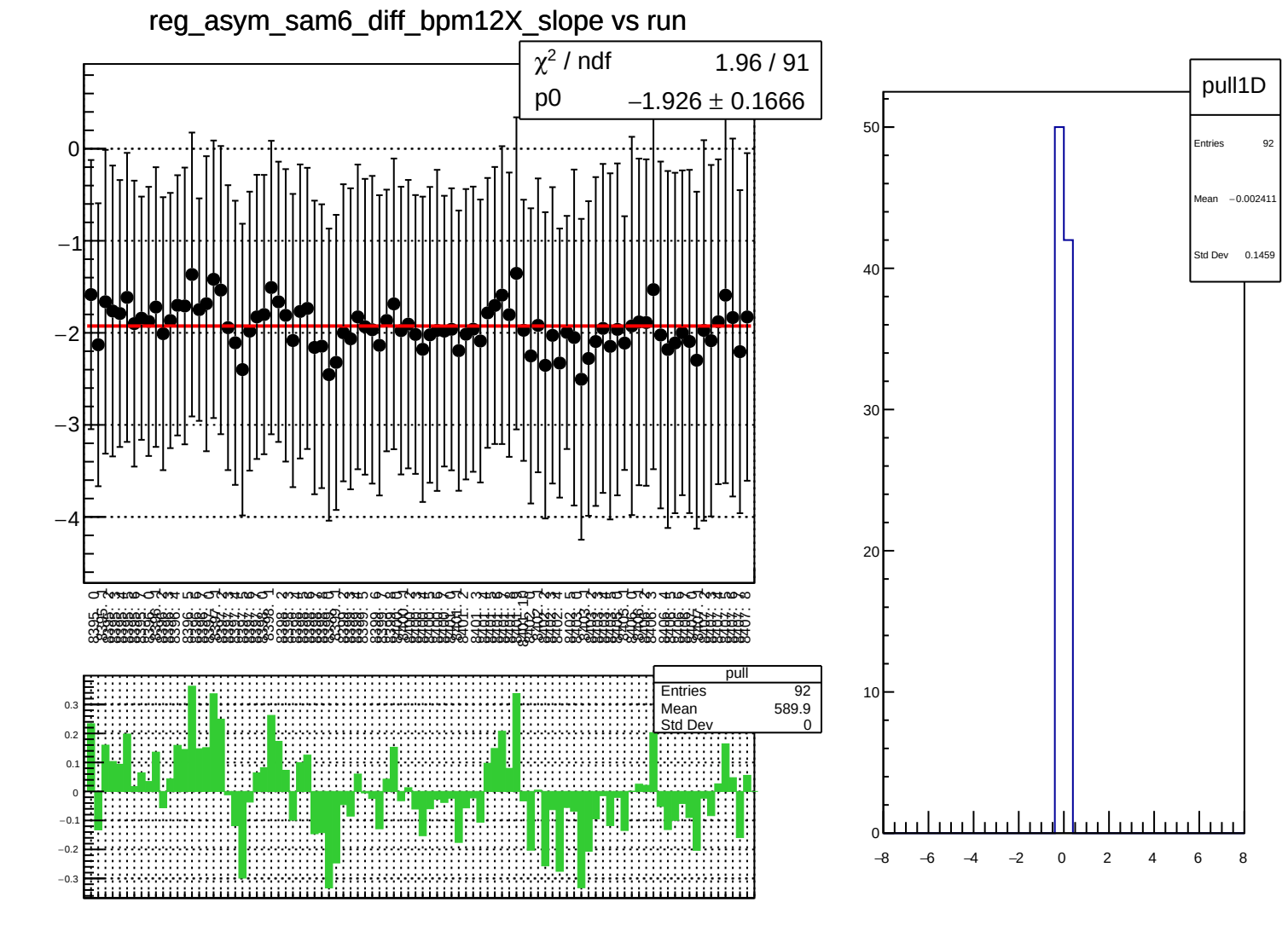

pull1D
Entries 92
Mean 0.0006403
Std Dev 0.1403

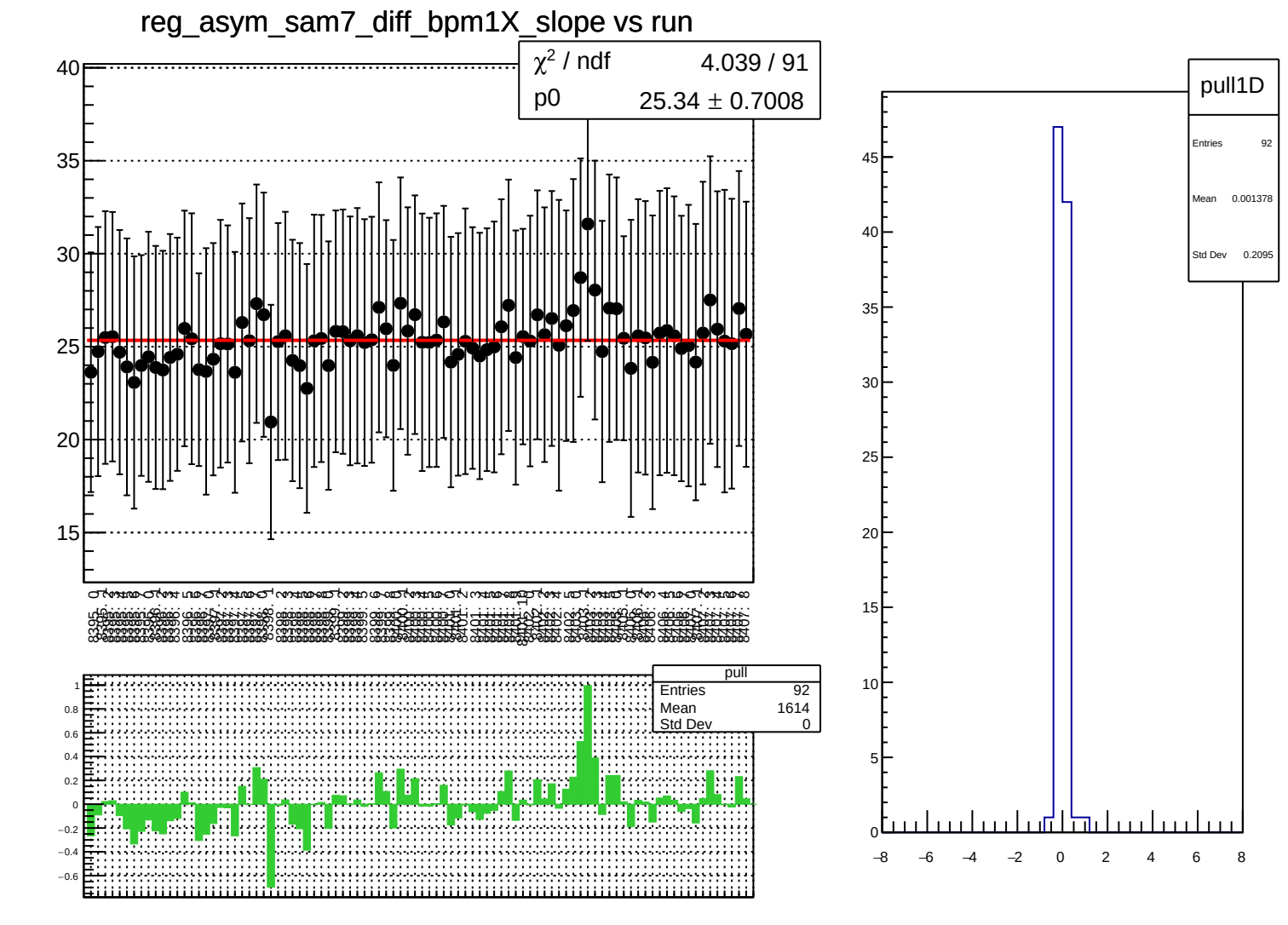

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 3.245 / 91
p0 95.53 ± 2.587
pull
Entries 92
Mean 881.1
Std Dev 0
pull1D
Entries 92
Mean 0.001665
Std Dev 0.1878

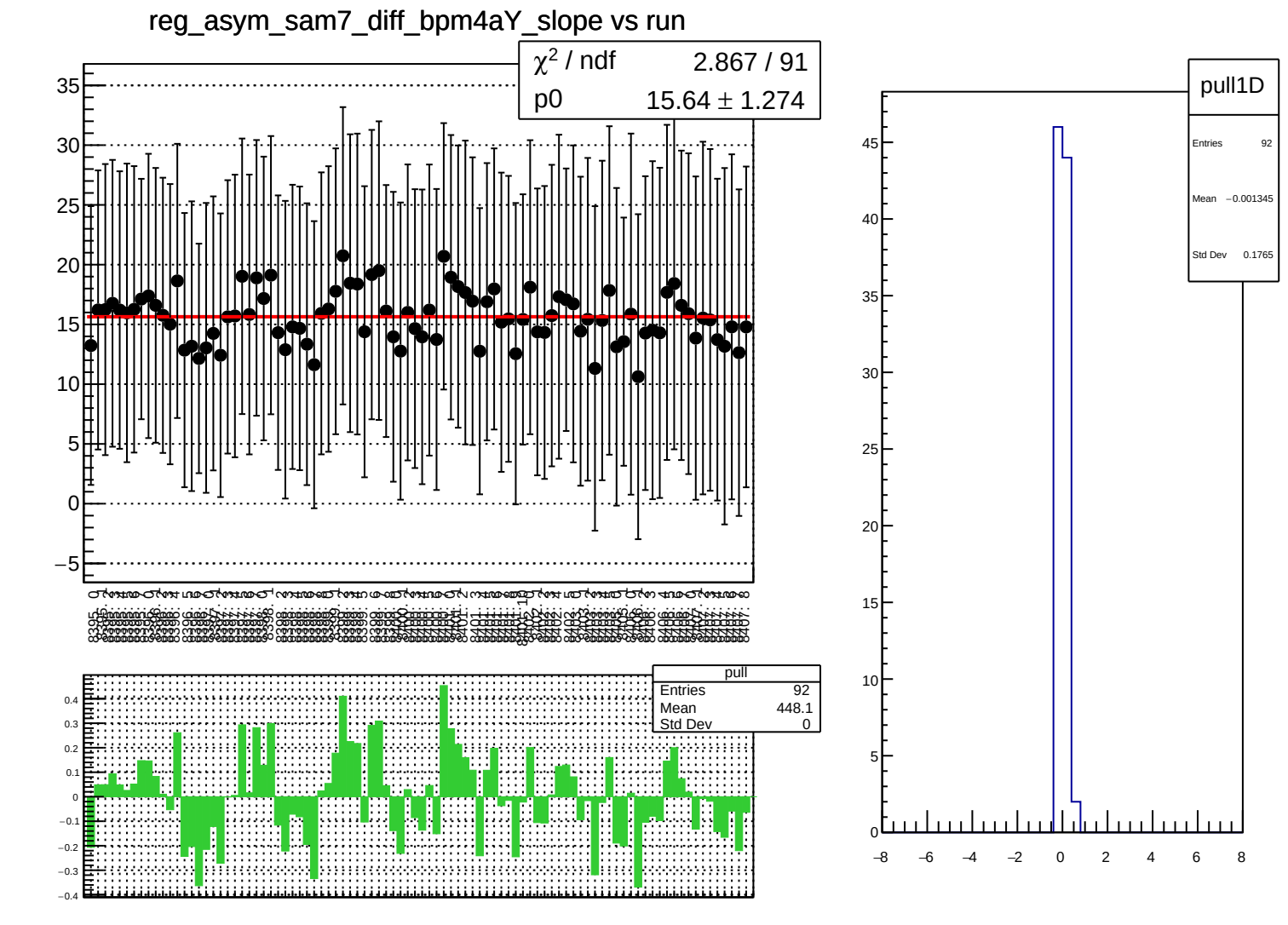

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.892 / 91
p0 52.7 ± 1.59
pull
Entries 92
Mean −379.7
Std Dev 0
pull1D
Entries 92
Mean 0.001982
Std Dev 0.1773

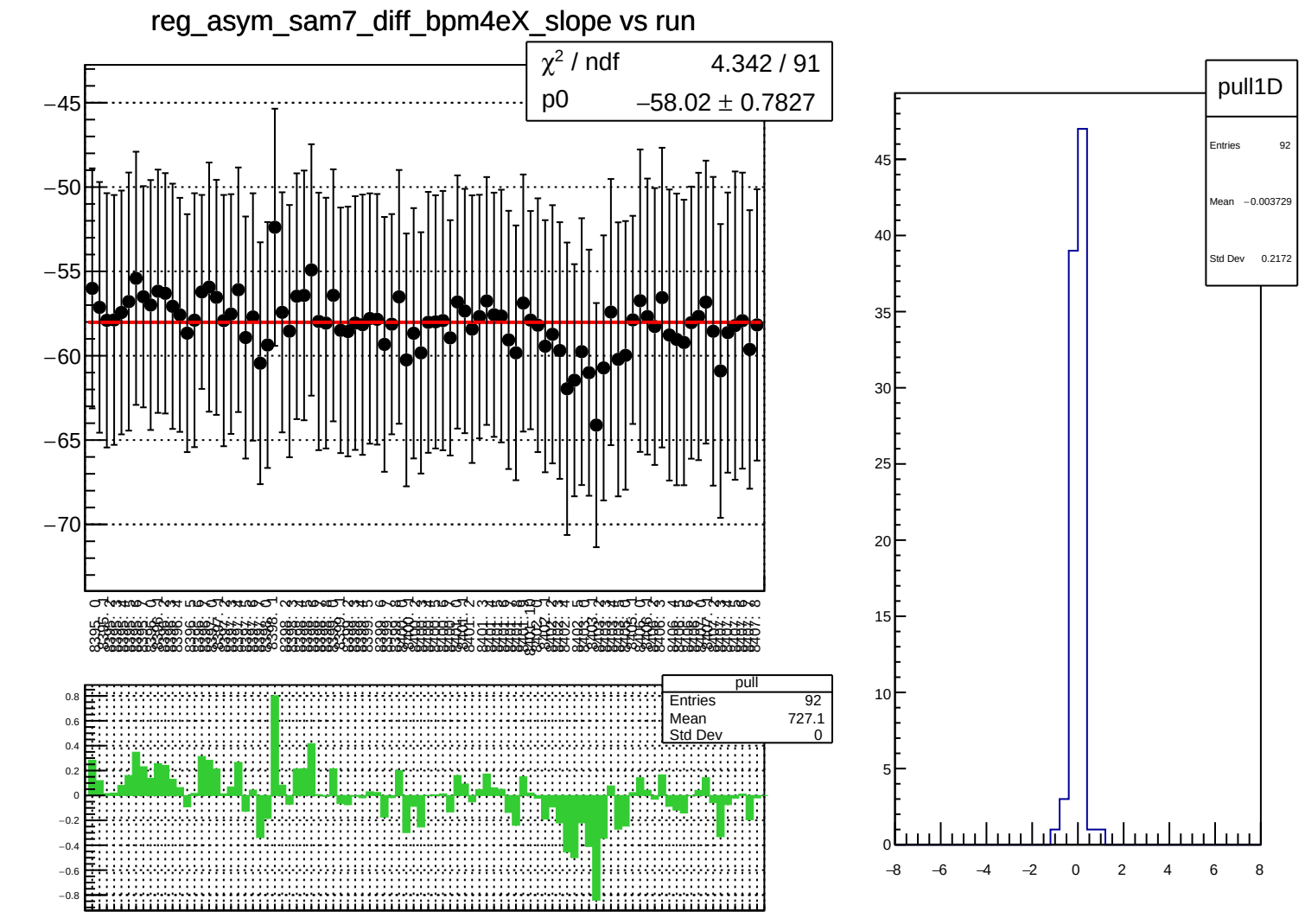

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 3.243 / 91
p0 17.98 ± 2.704
60
40
20
0
−20
pull
Entries 92
Mean −1329
Std Dev 0
0.4
0.2
0
−0.2
−0.4

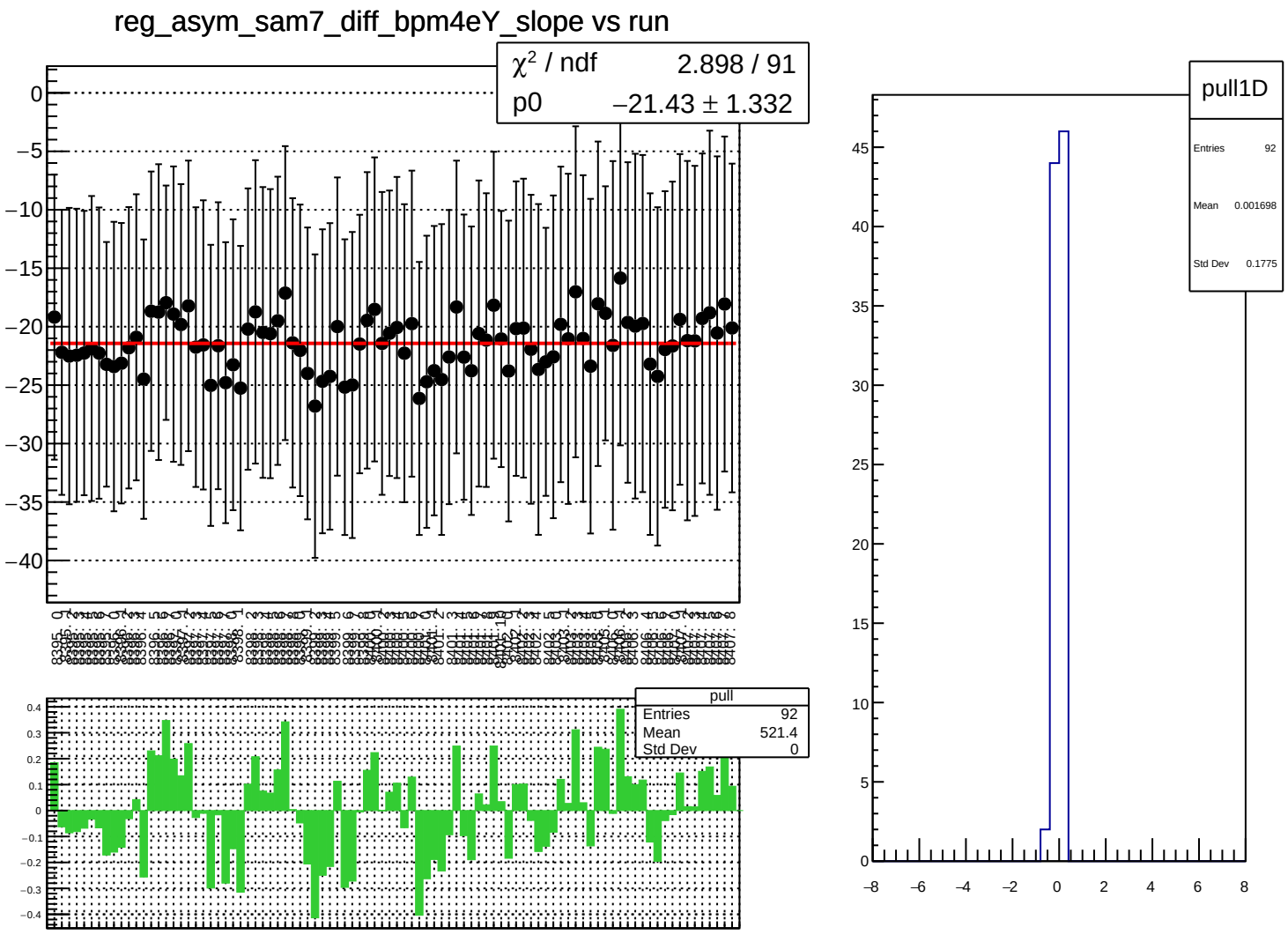

pull1D
Entries 92
Mean 0.0008243
Std Dev 0.1877
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

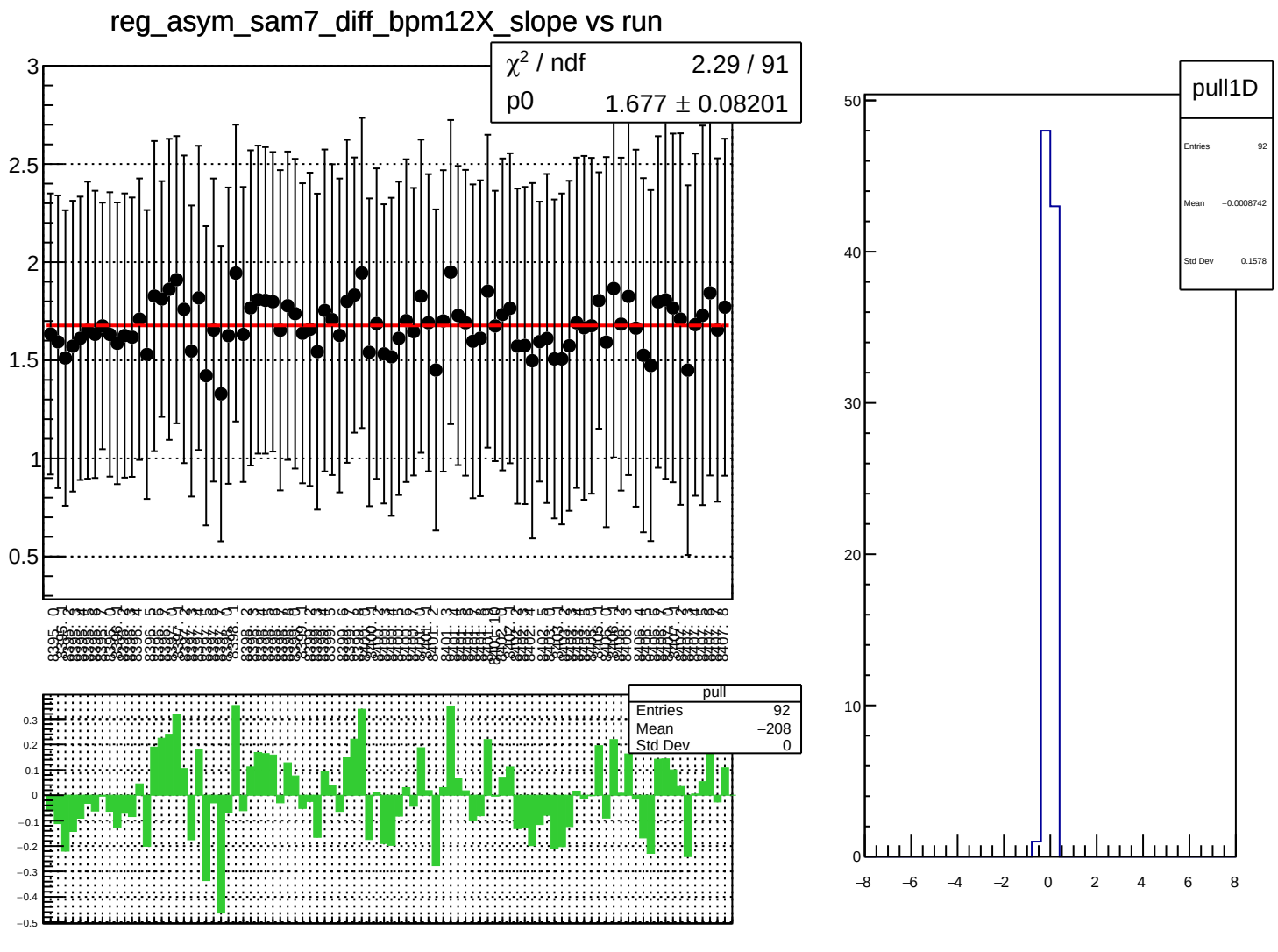

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.96 / 91
p0 −1.926 ± 0.1666
pull
Entries 92
Mean 589.9
Std Dev 0
pull1D
Entries 92
Mean −0.002411
Std Dev 0.1459

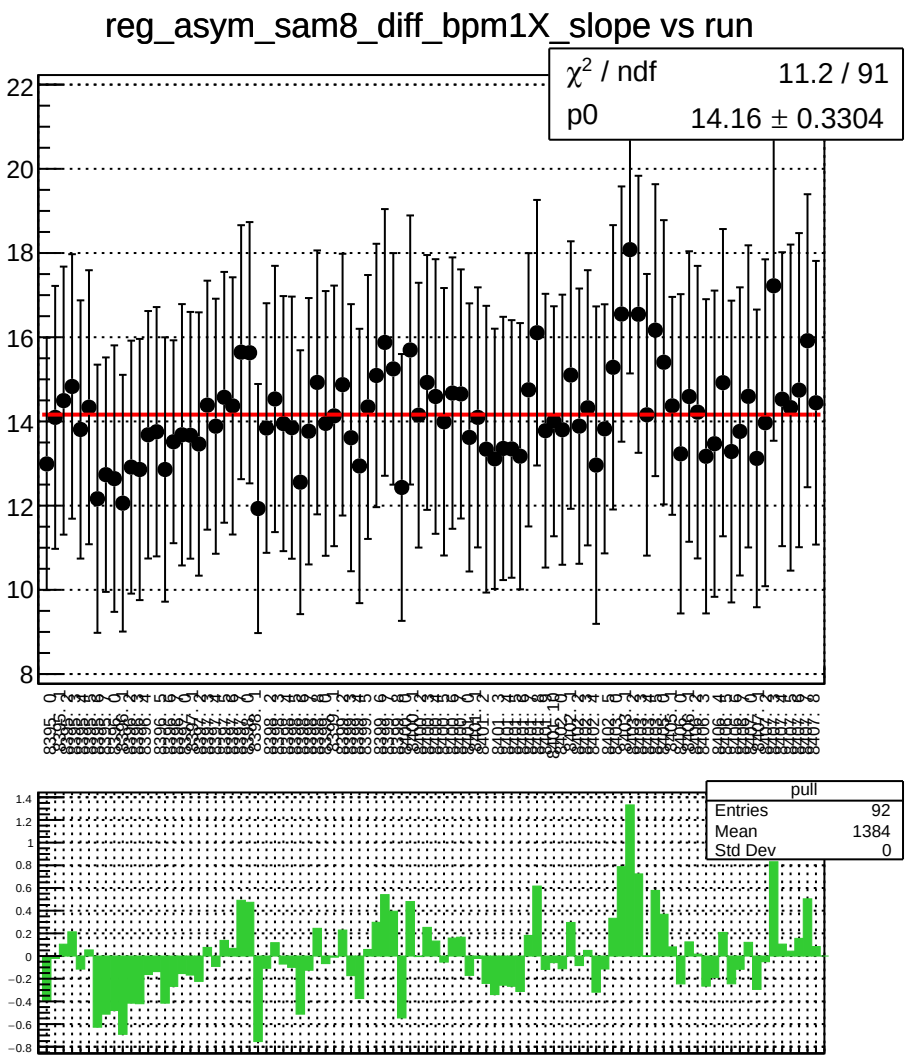

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 4.039 / 91
p0 25.34 ± 0.7008
pull
Entries 92
Mean 1614
Std Dev 0
pull1D
Entries 92
Mean 0.001378
Std Dev 0.2095

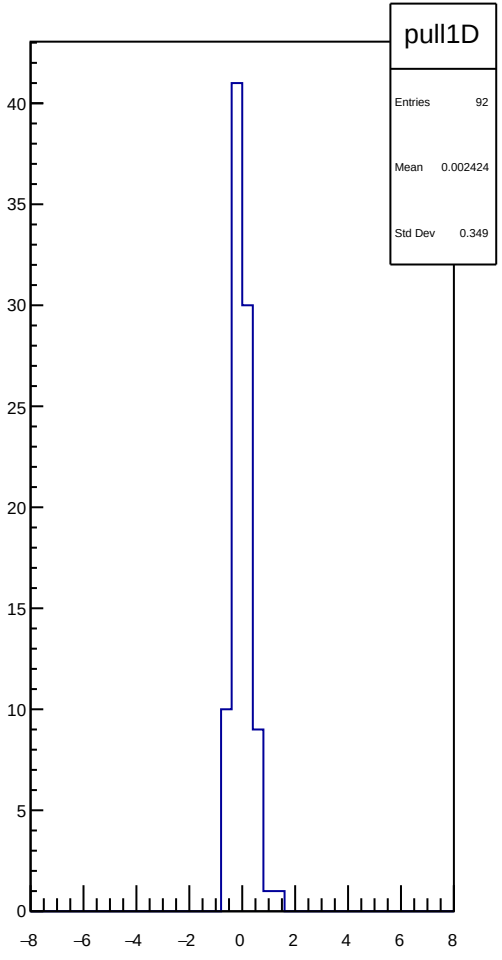

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 2.867 / 91
p0 15.64 ± 1.274
pull
Entries 92
Mean 448.1
Std Dev 0
pull1D
Entries 92
Mean −0.001345
Std Dev 0.1765

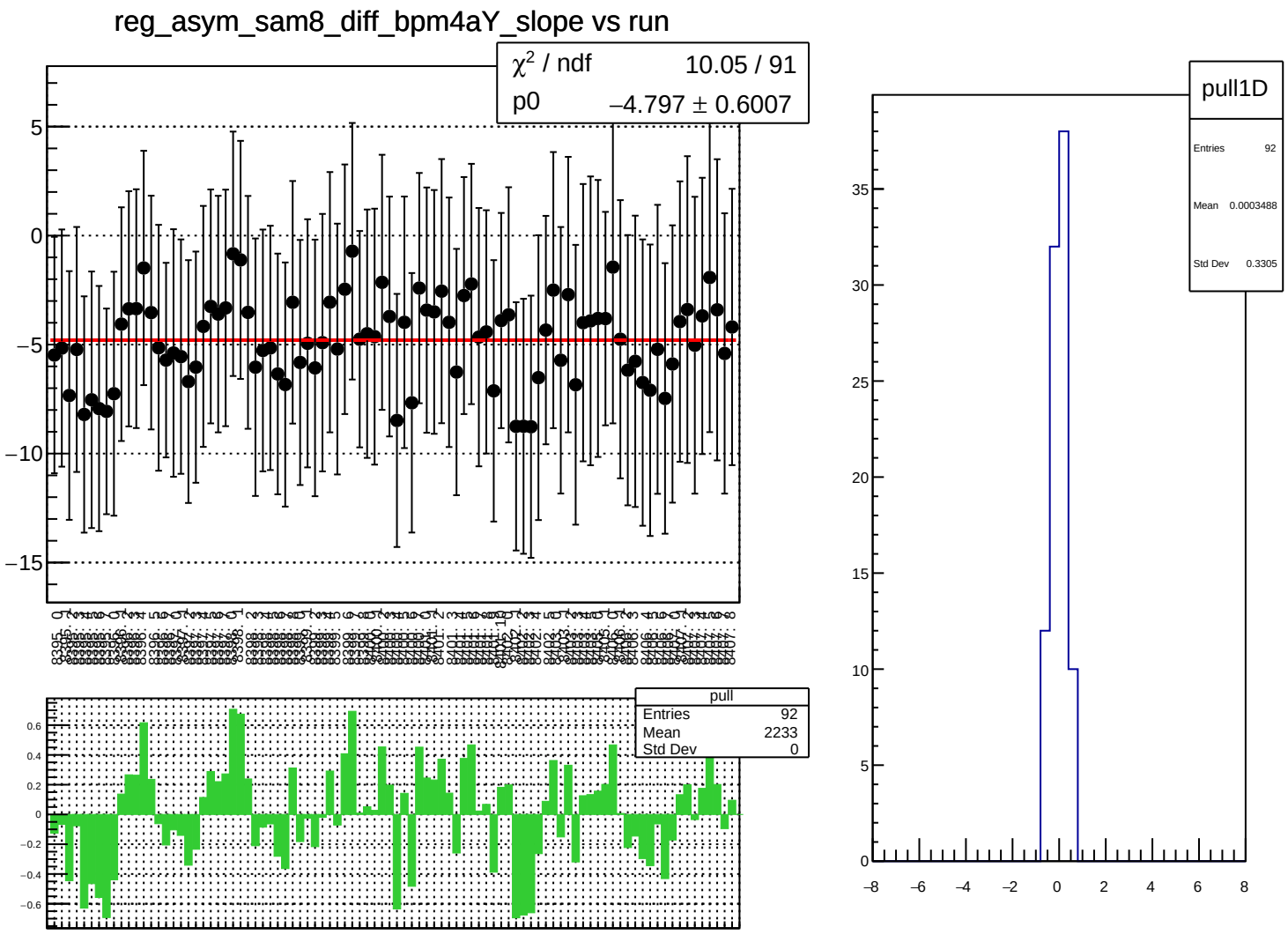

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 4.342 / 91
p0 −58.02 ± 0.7827
−45
−50
−55
−60
−65
−70
pull
Entries 92
Mean 727.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.003729
Std Dev 0.2172
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

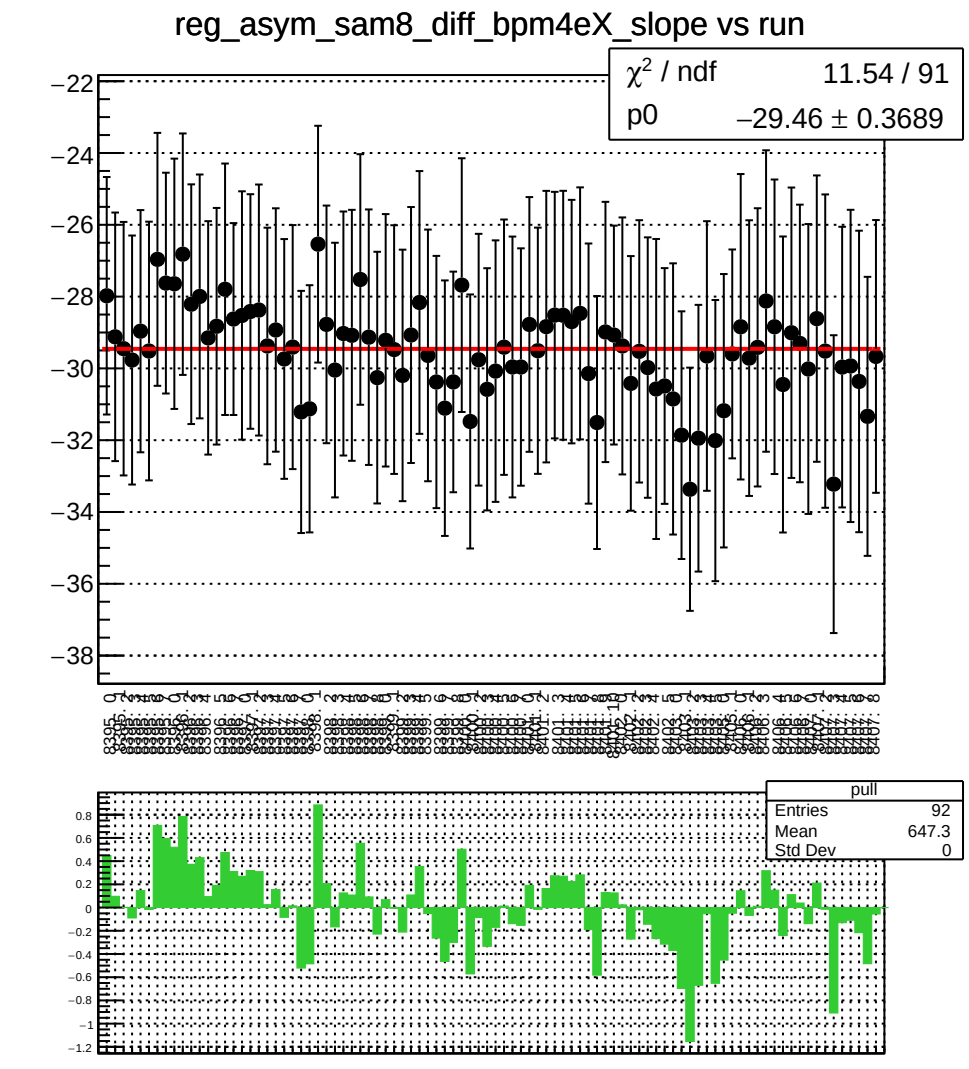

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 2.898 / 91
p0 −21.43 ± 1.332
pull
Entries 92
Mean 521.4
Std Dev 0
pull1D
Entries 92
Mean 0.001698
Std Dev 0.1775

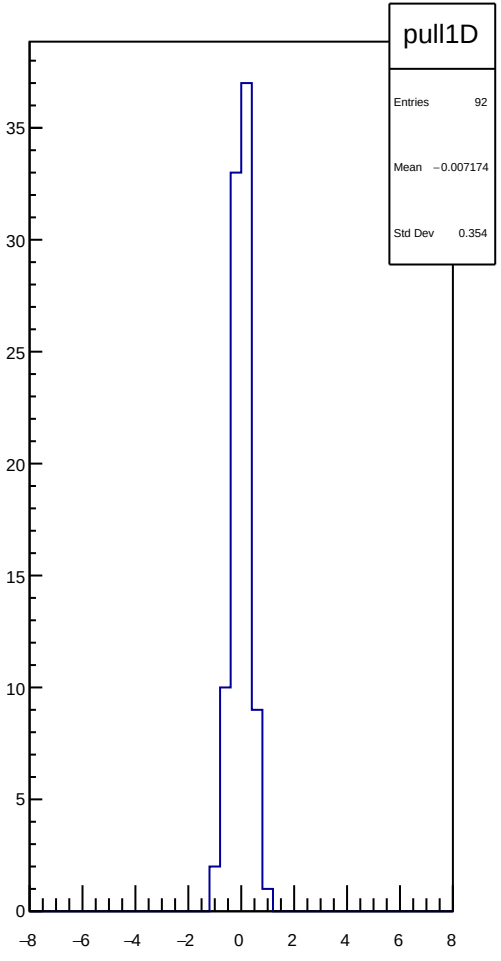

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 2.29 / 91
p0 1.677 ± 0.08201
pull
Entries 92
Mean −208
Std Dev 0
pull1D
Entries 92
Mean −0.0008742
Std Dev 0.1578

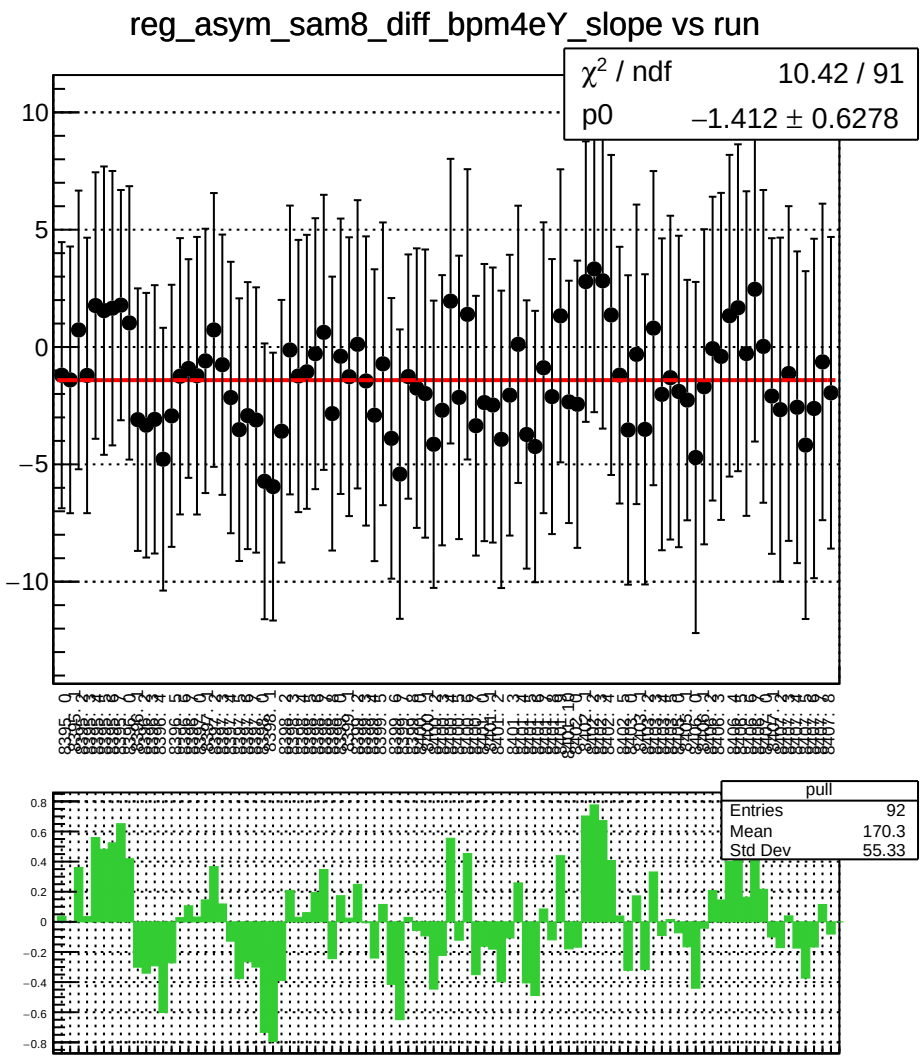

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 11.2 / 91
p0 14.16 ± 0.3304
pull
Entries 92
Mean 1384
Std Dev 0

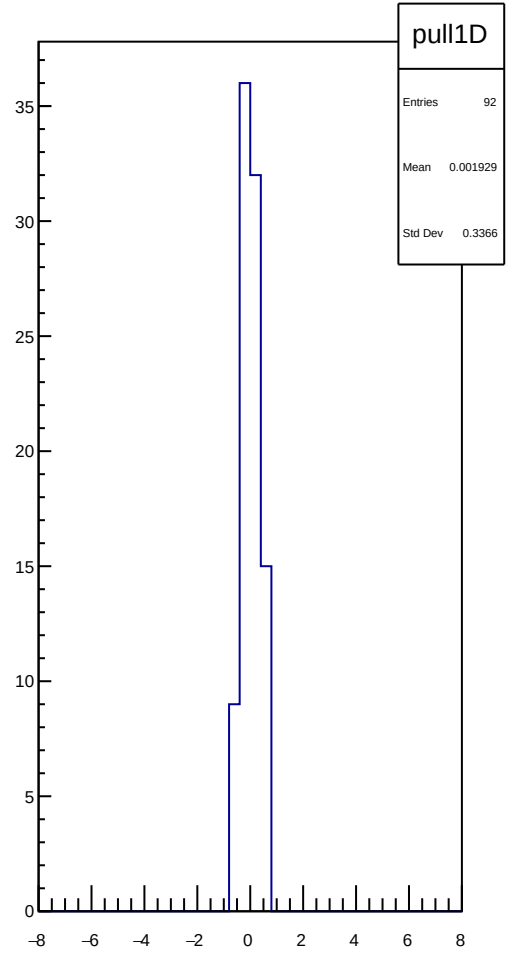

pull1D
Entries 92
Mean 0.002424
Std Dev 0.349

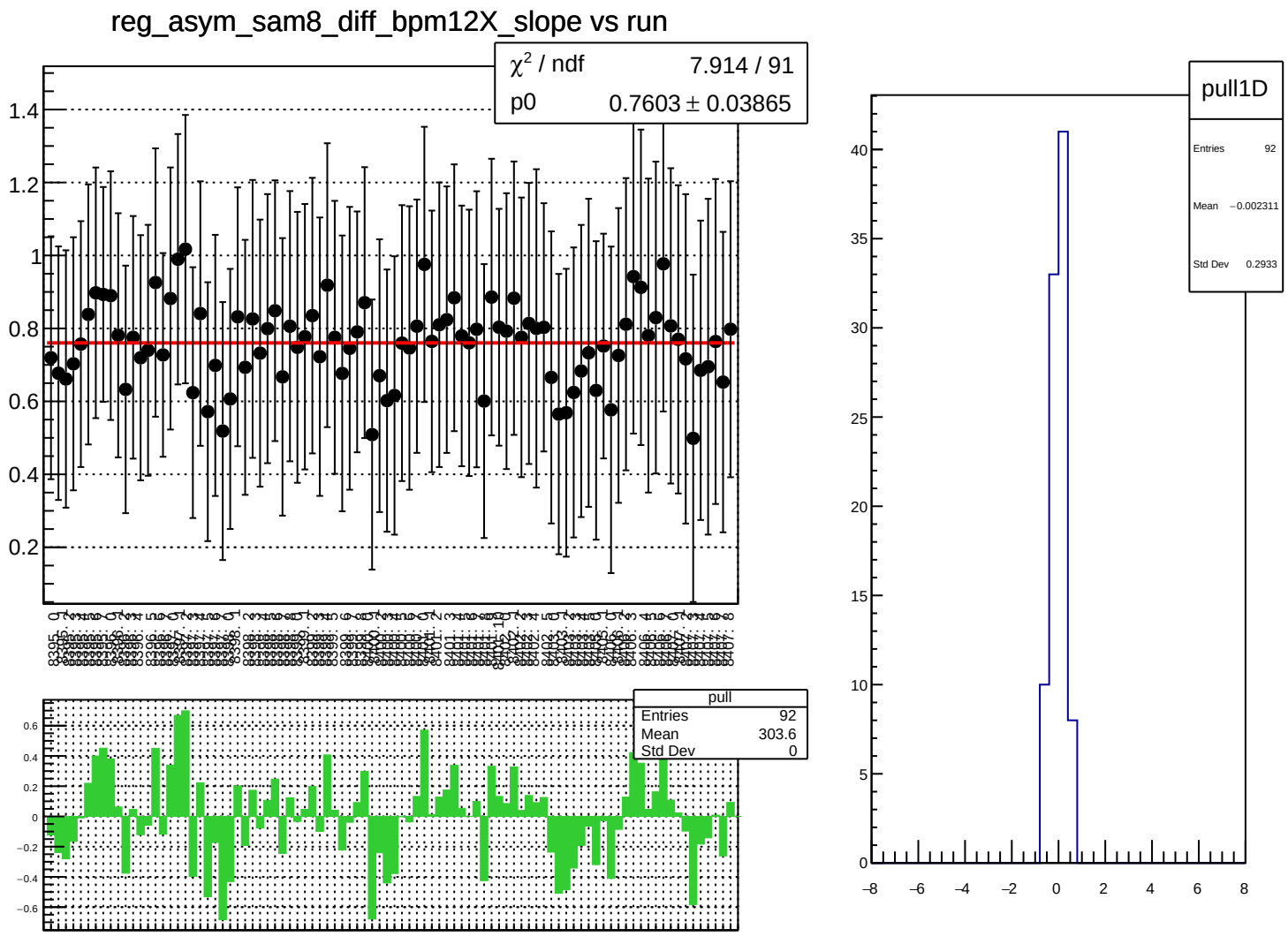

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 10.05 / 91
p0 −4.797 ± 0.6007
pull
Entries 92
Mean 2233
Std Dev 0
pull1D
Entries 92
Mean 0.0003488
Std Dev 0.3305

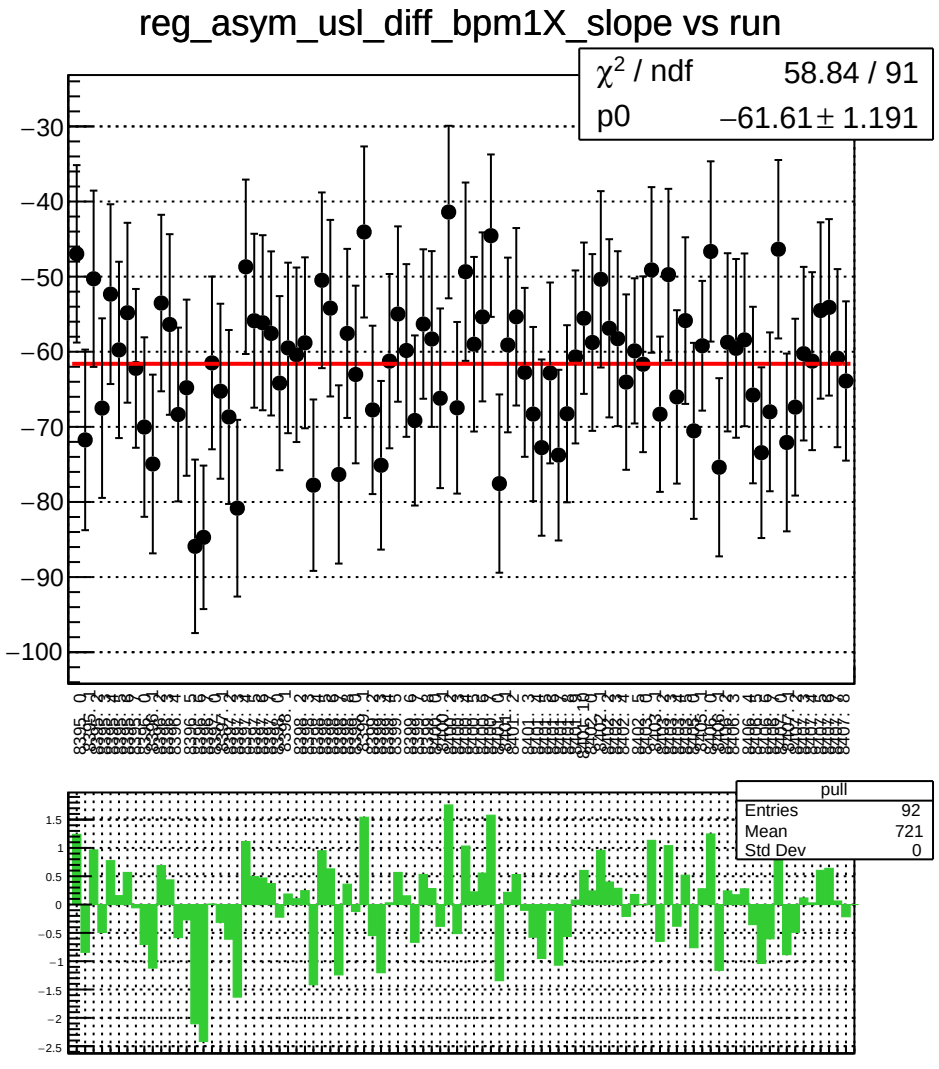

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 11.54 / 91
p0 −29.46 ± 0.3689
pull
Entries 92
Mean 647.3
Std Dev 0

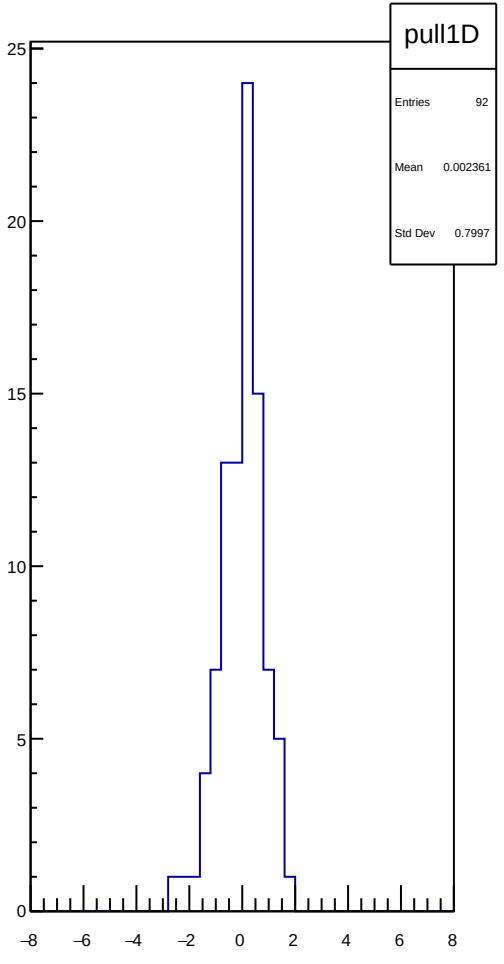

pull1D
Entries 92
Mean −0.007174
Std Dev 0.354

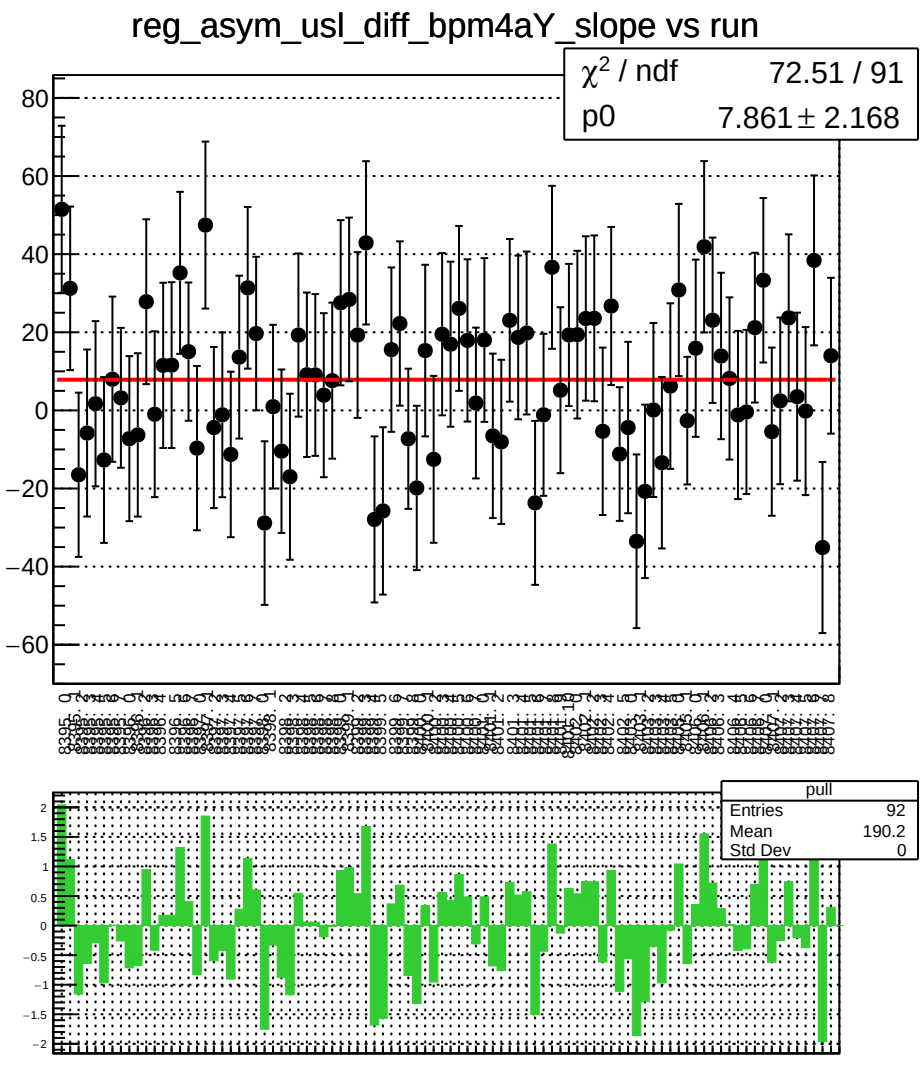

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 10.42 / 91
p0 −1.412 ± 0.6278
pull
Entries 92
Mean 170.3
Std Dev 55.33

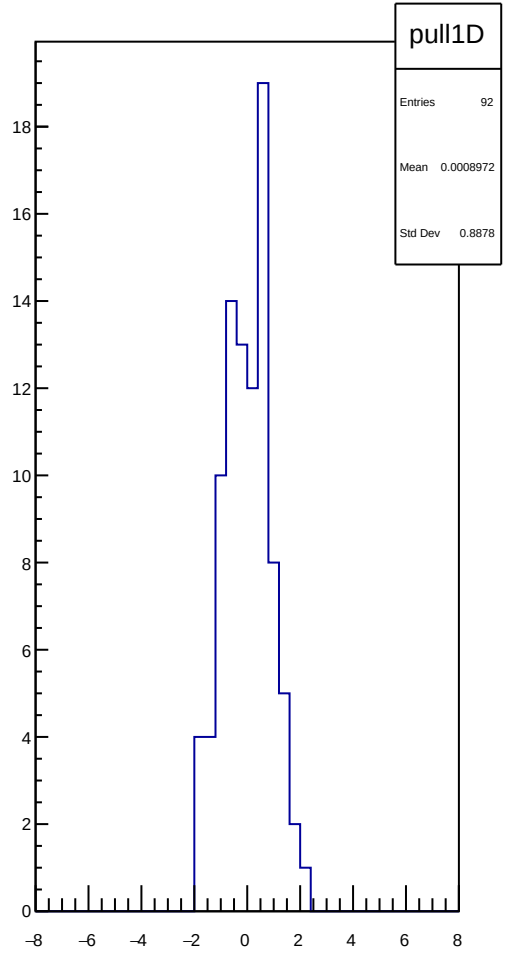

pull1D
Entries 92
Mean 0.001929
Std Dev 0.3366

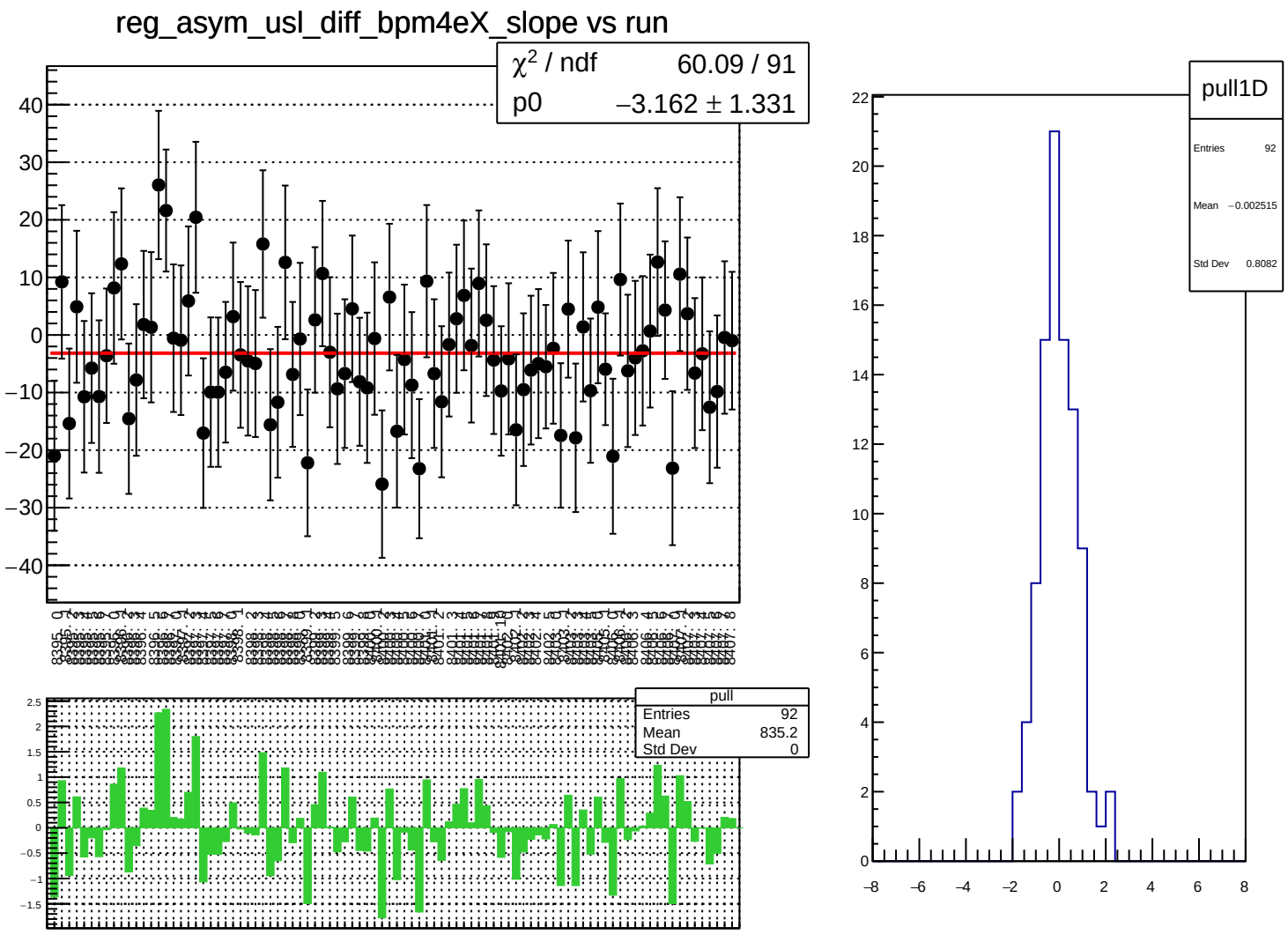

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 7.914 / 91
p0 0.7603 ± 0.03865
pull
Entries 92
Mean 303.6
Std Dev 0
pull1D
Entries 92
Mean −0.002311
Std Dev 0.2933

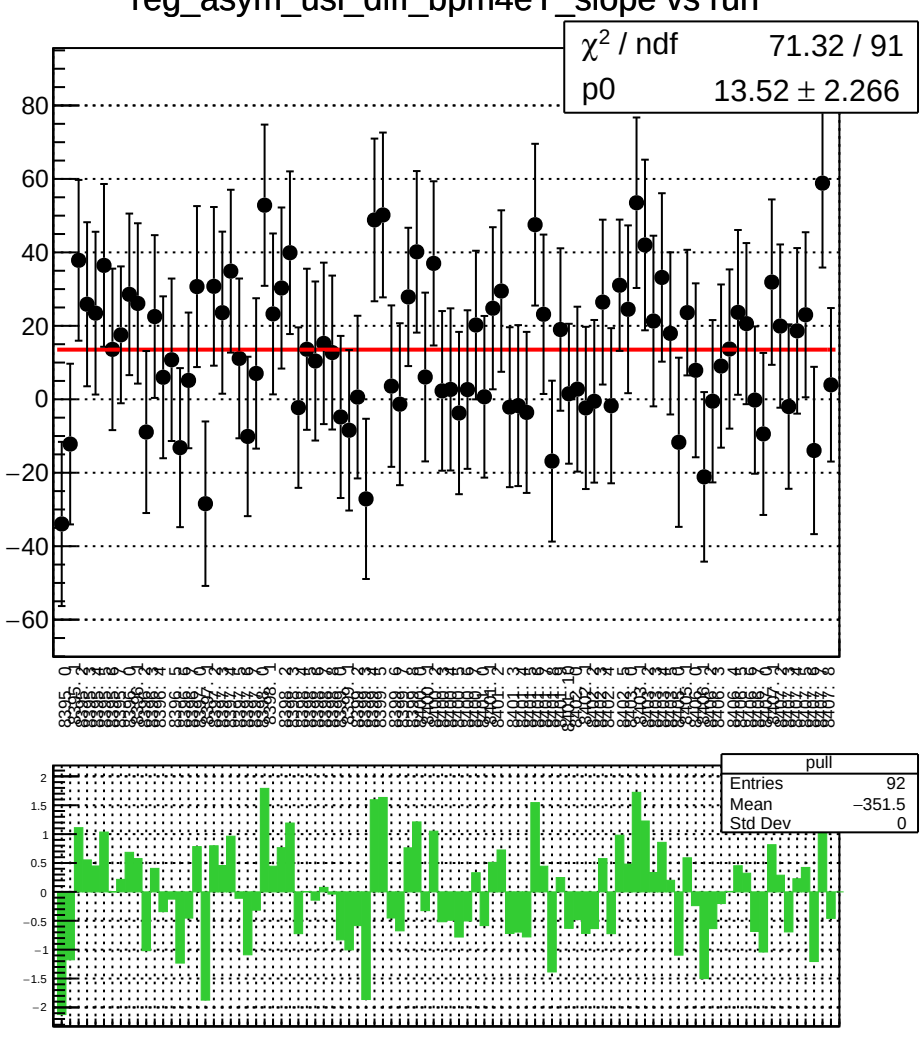

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 58.84 / 91
p0 −61.61 ± 1.191
pull
Entries 92
Mean 721
Std Dev 0

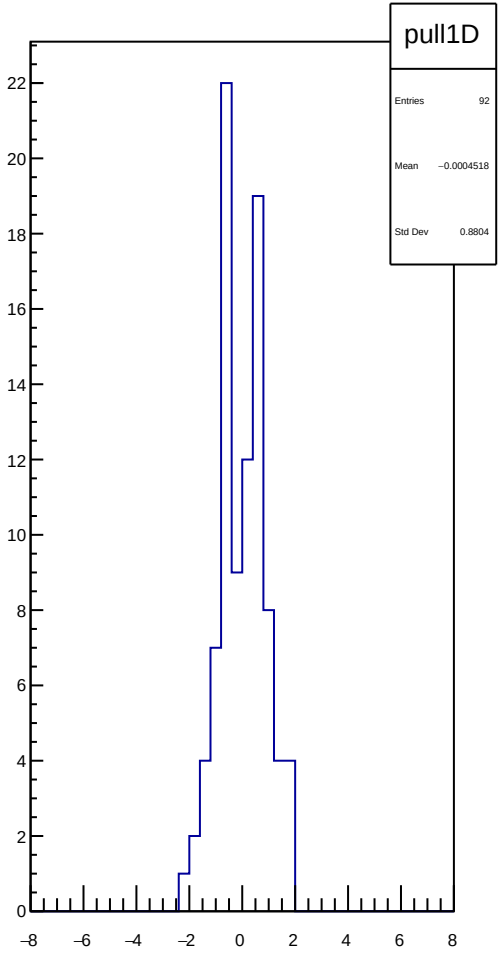

pull1D
Entries 92
Mean 0.002361
Std Dev 0.7997

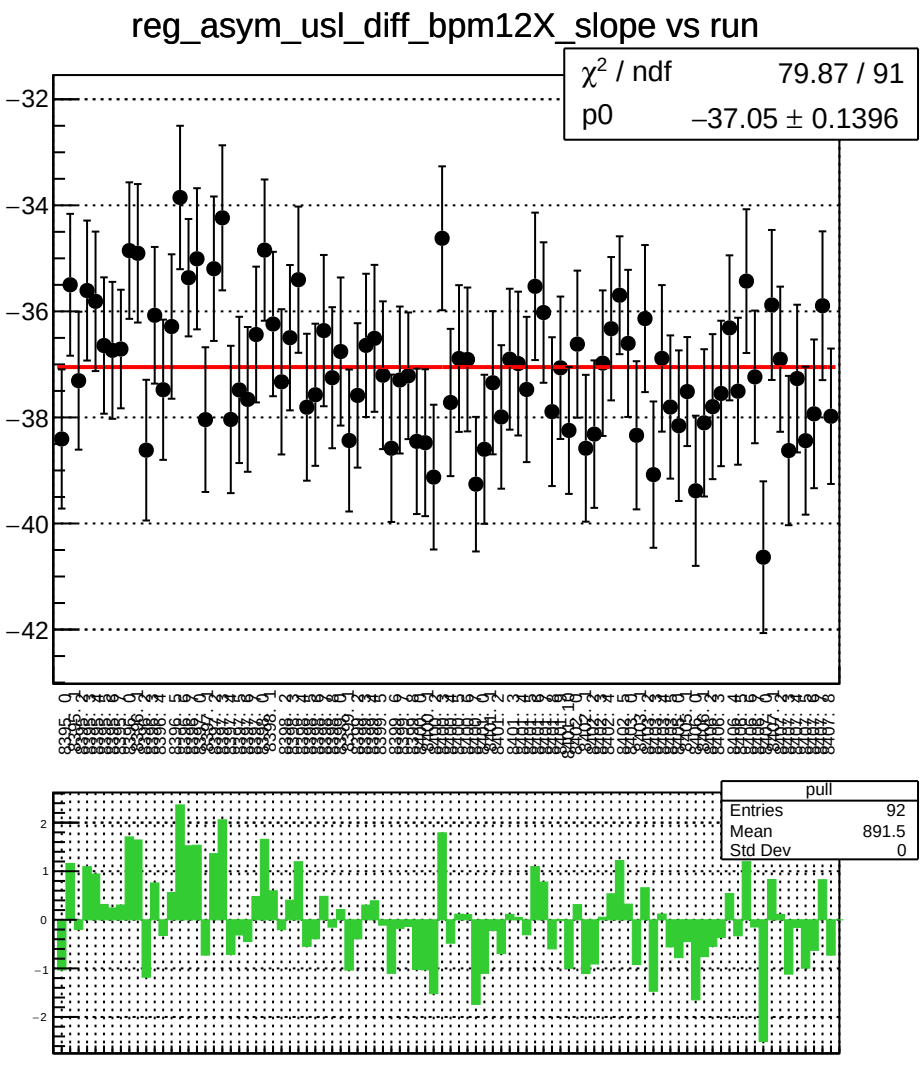

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 72.51 / 91
p0 7.861 ± 2.168
pull
Entries 92
Mean 190.2
Std Dev 0

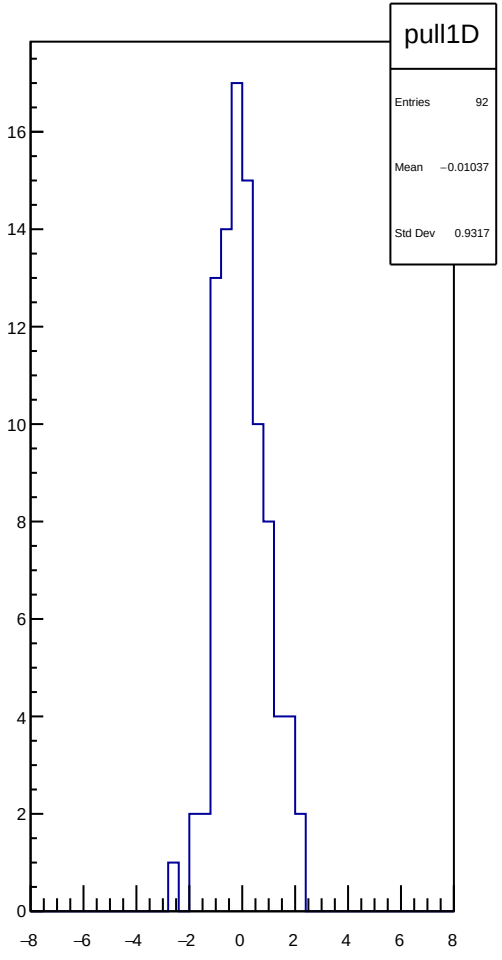

pull1D
Entries 92
Mean 0.0008972
Std Dev 0.8878

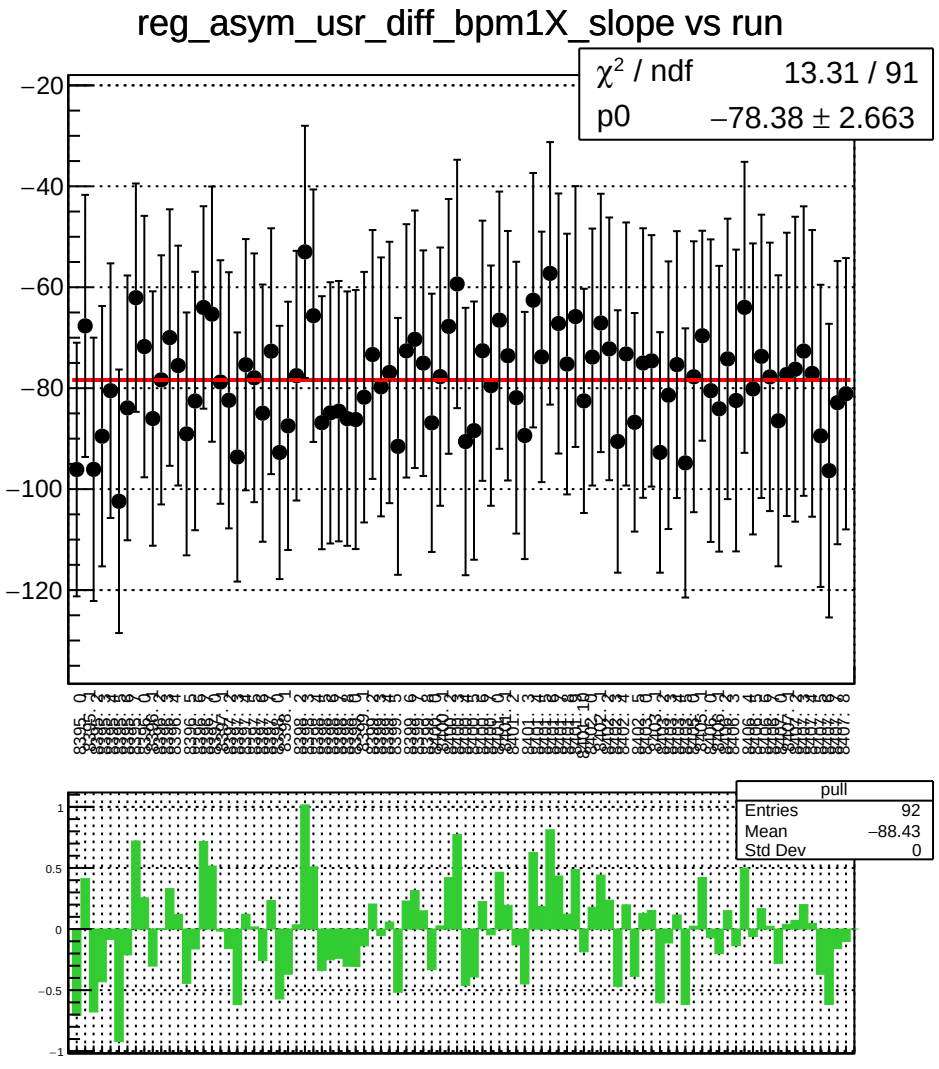

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 60.09 / 91
p0 −3.162 ± 1.331
pull
Entries 92
Mean 835.2
Std Dev 0
pull1D
Entries 92
Mean −0.002515
Std Dev 0.8082

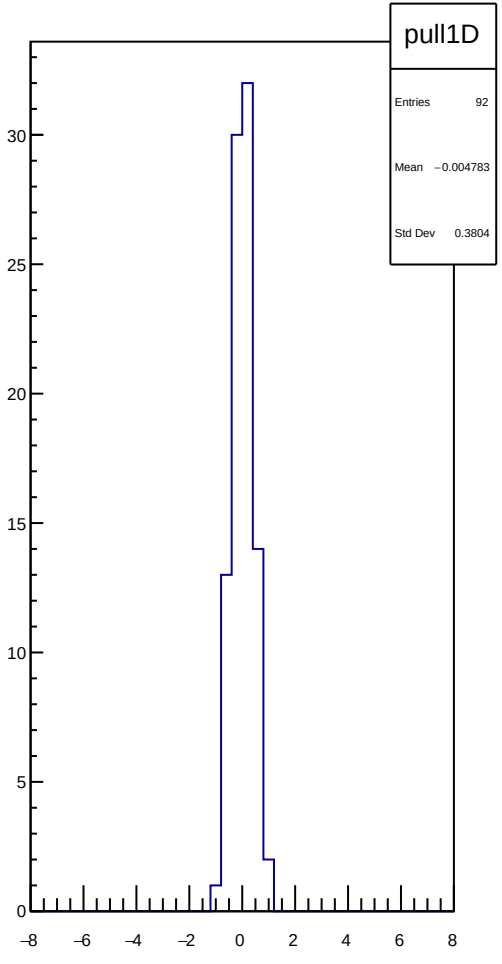

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 71.32 / 91
p0 13.52 ± 2.266
pull
Entries 92
Mean −351.5
Std Dev 0

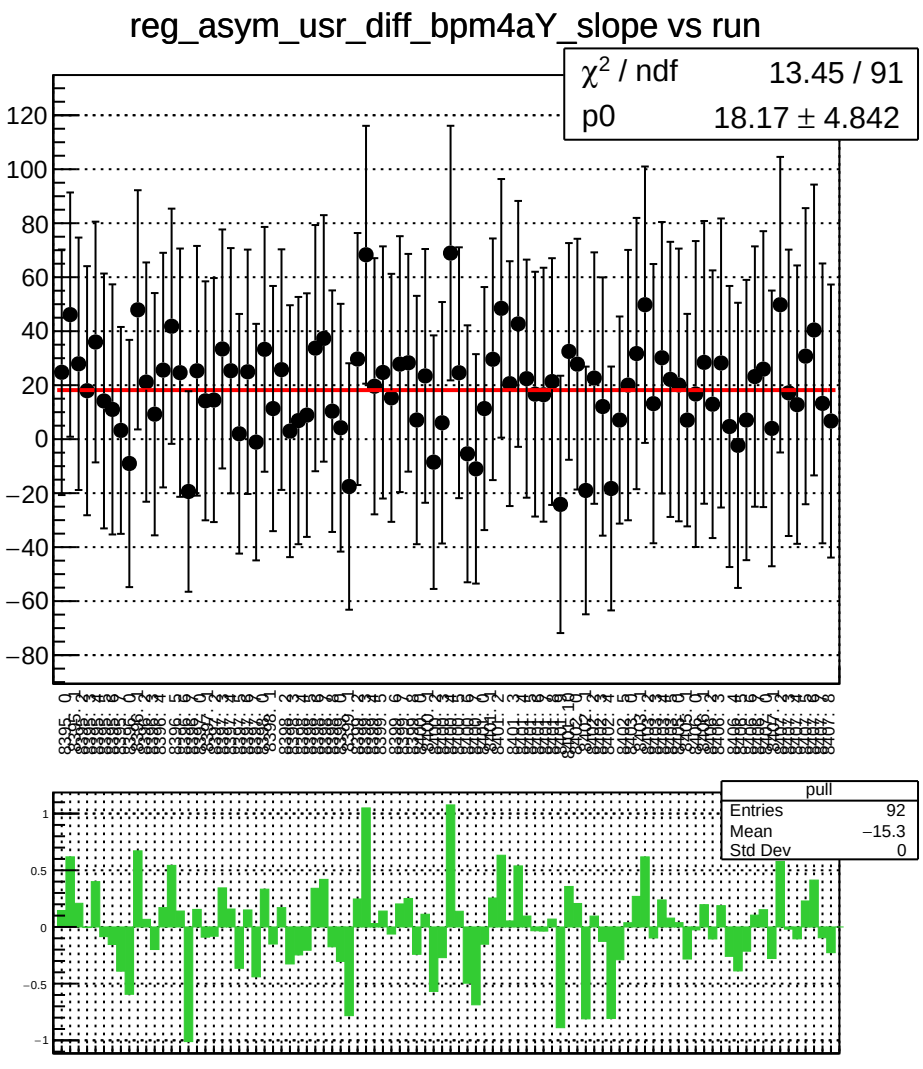

pull1D
Entries 92
Mean −0.0004518
Std Dev 0.8804

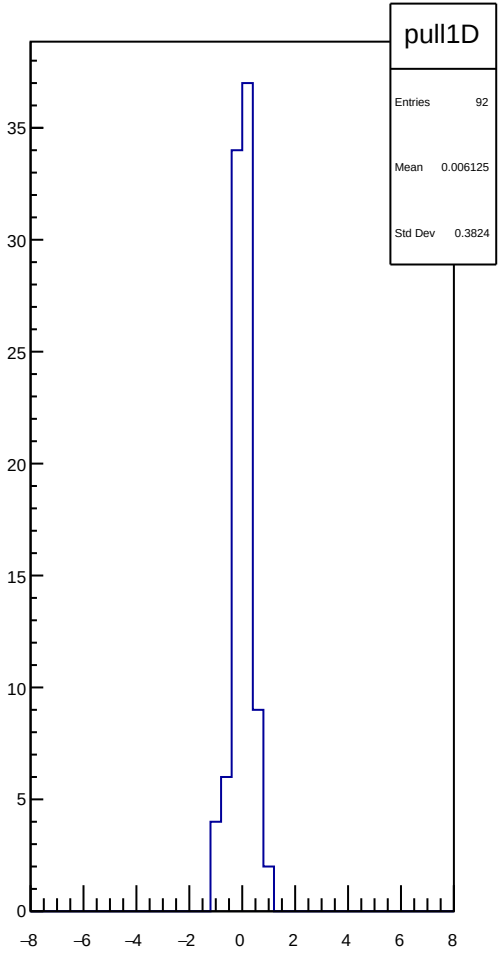

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 79.87 / 91
p0 −37.05 ± 0.1396
−32
−34
−36
−38
−40
−42
pull
Entries 92
Mean 891.5
Std Dev 0
2
1
0
−1
−2

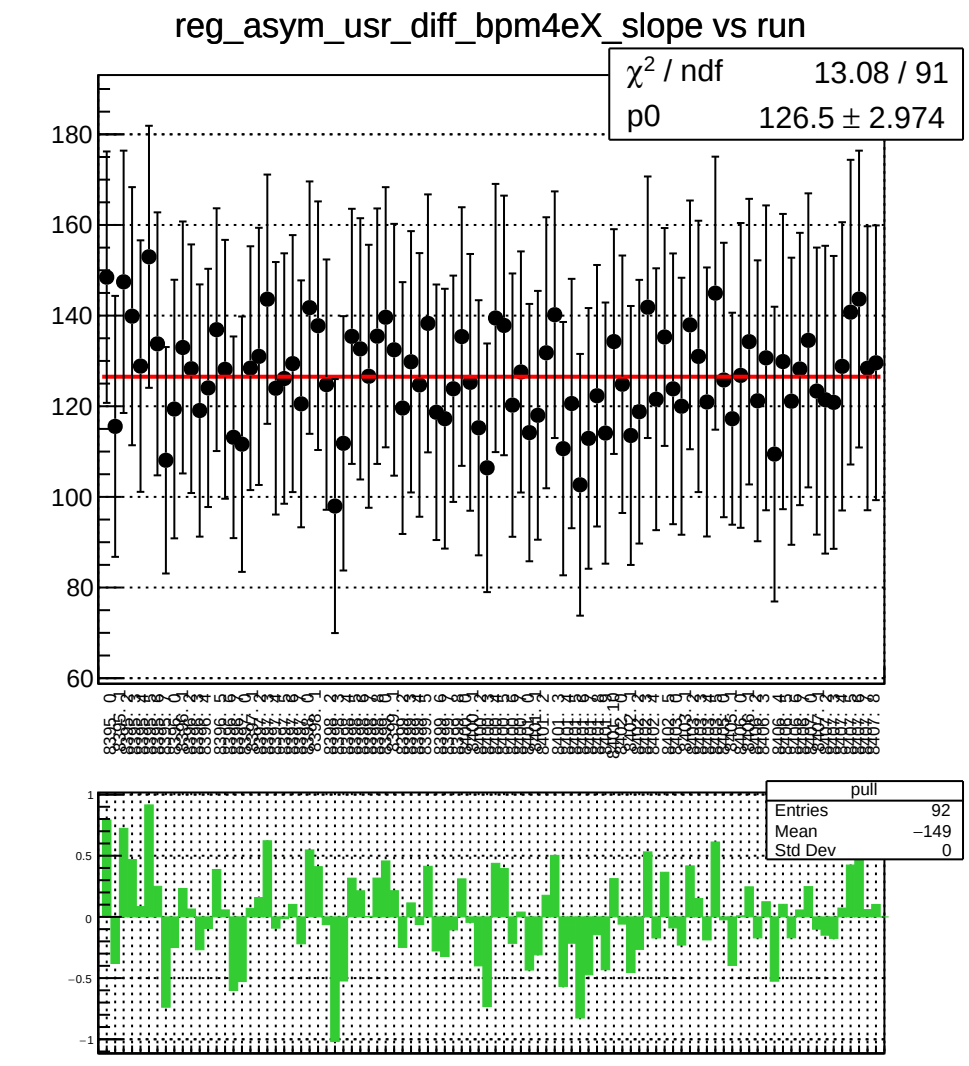

pull1D
Entries 92
Mean −0.01037
Std Dev 0.9317
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

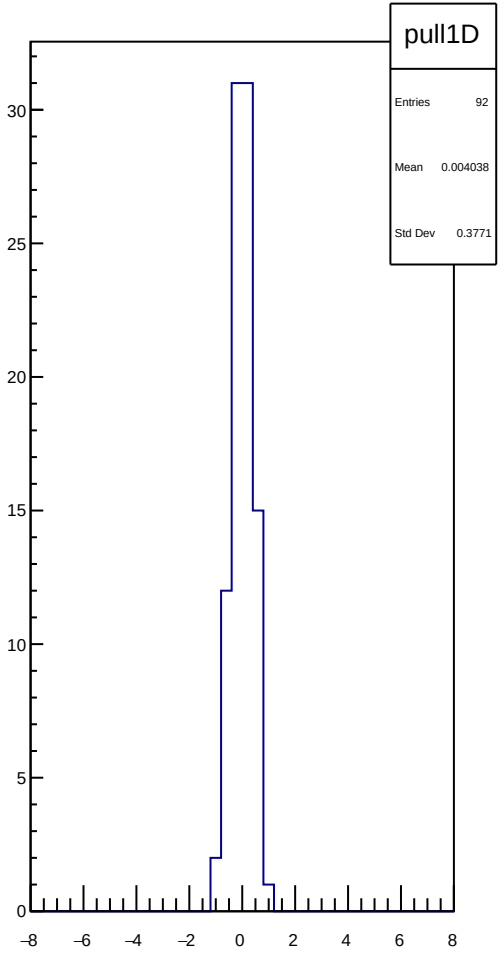

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 13.31 / 91
p0 −78.38 ± 2.663
pull
Entries 92
Mean −88.43
Std Dev 0

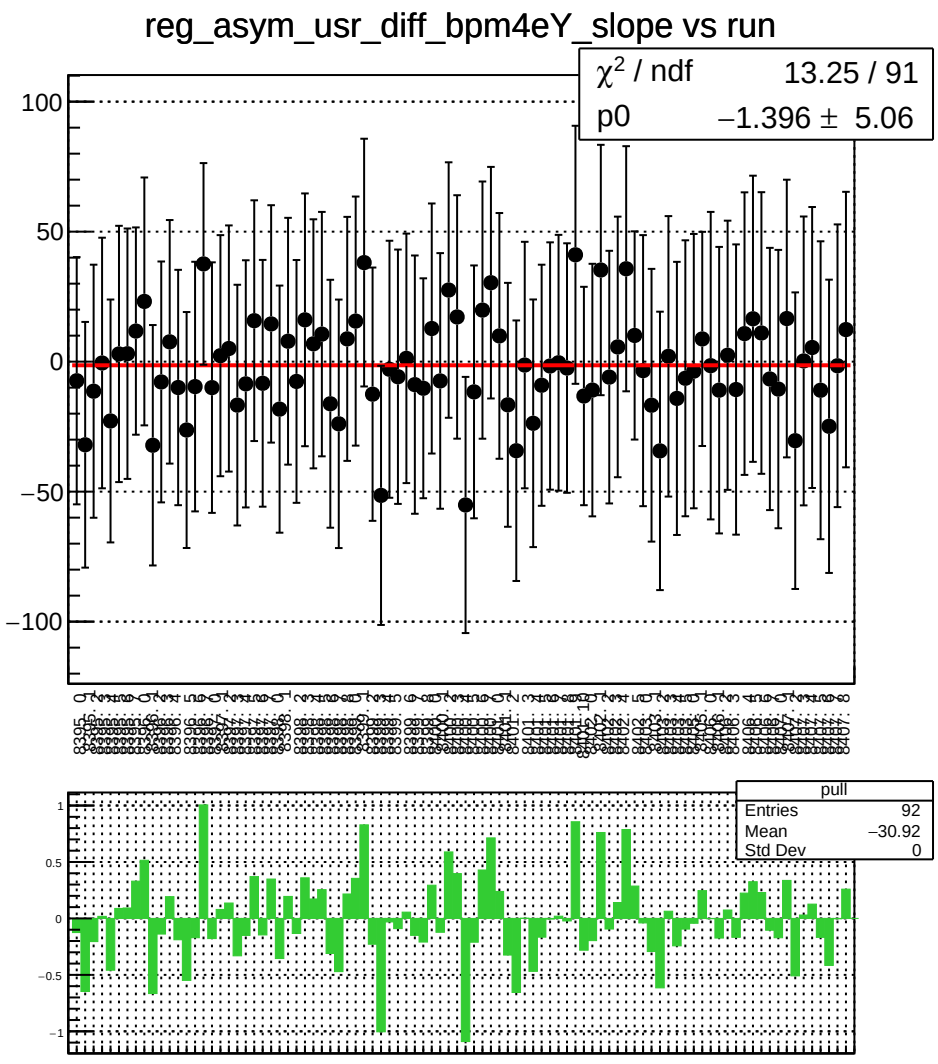

pull1D
Entries 92
Mean −0.004783
Std Dev 0.3804

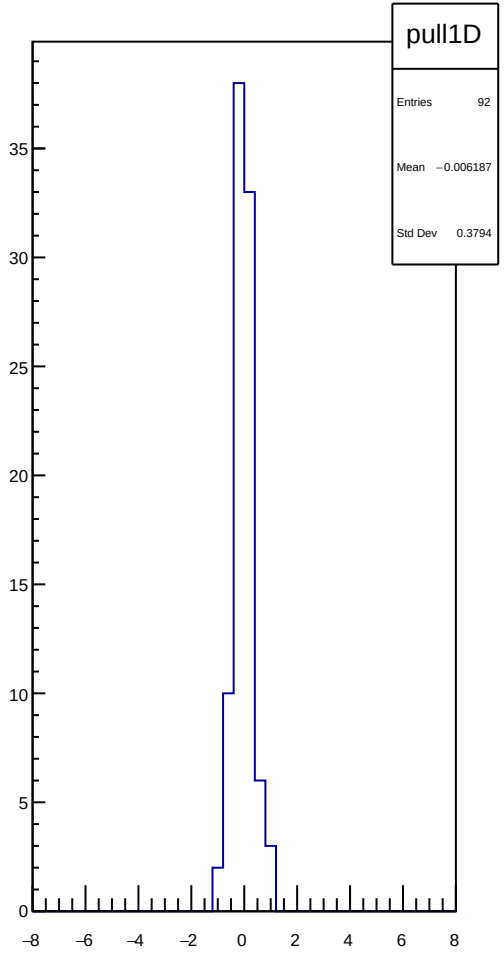

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.45 / 91
p0 18.17 ± 4.842
pull
Entries 92
Mean −15.3
Std Dev 0

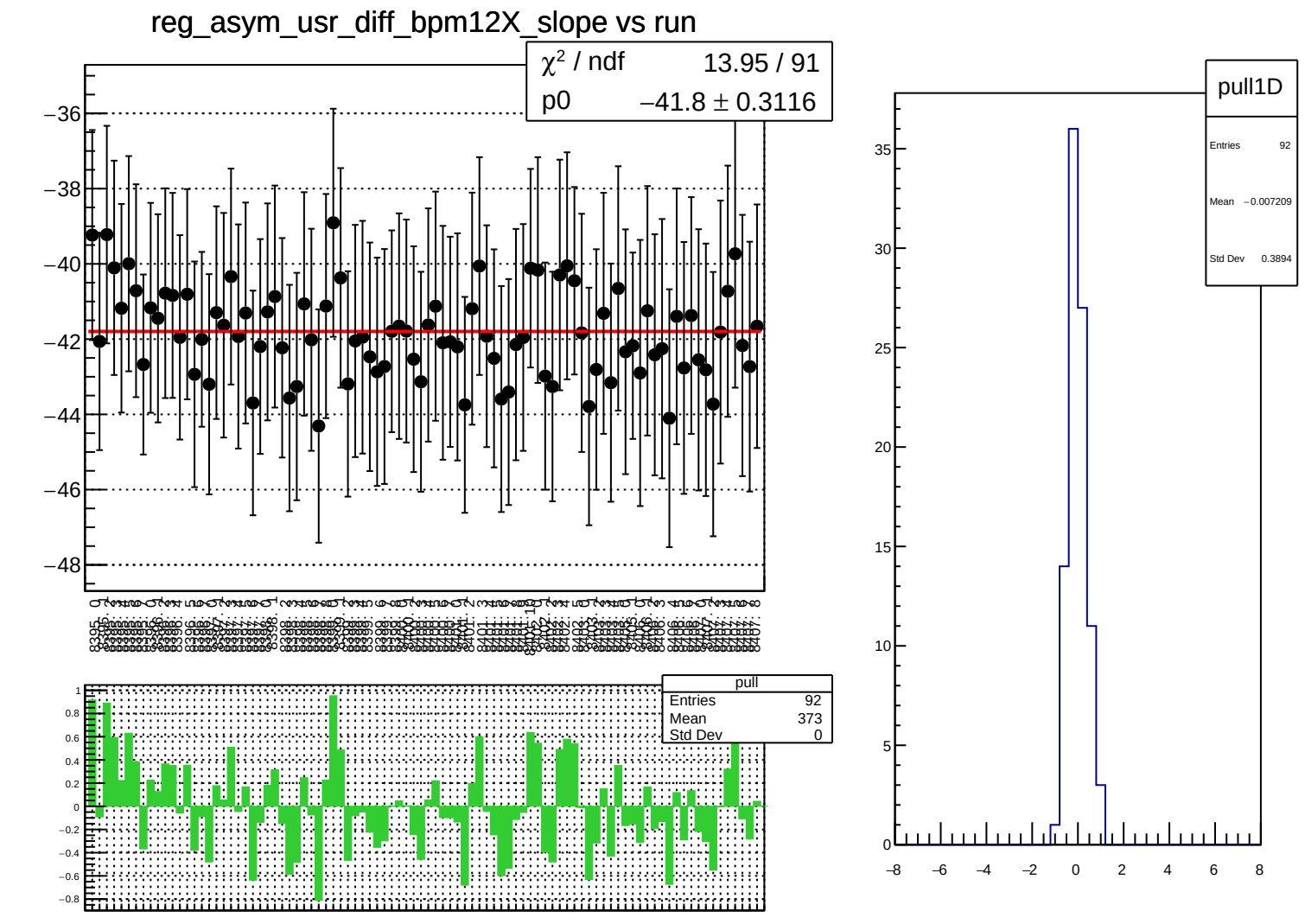

pull1D
Entries 92
Mean 0.006125
Std Dev 0.3824

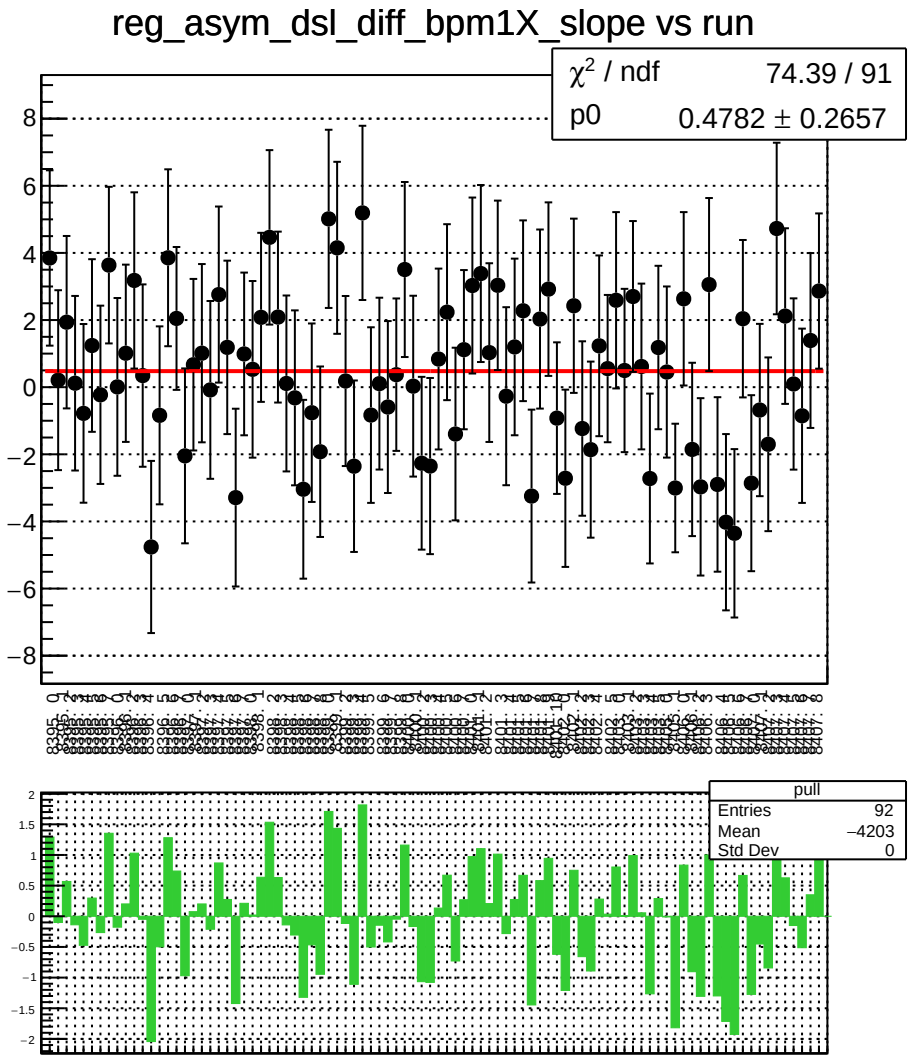

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 13.08 / 91
p0 126.5 ± 2.974
pull
Entries 92
Mean −149
Std Dev 0

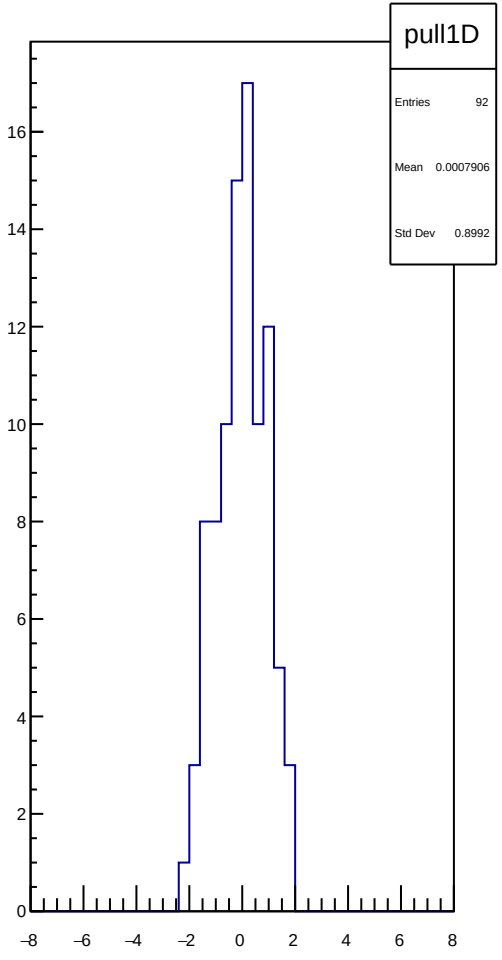

pull1D
Entries 92
Mean 0.004038
Std Dev 0.3771

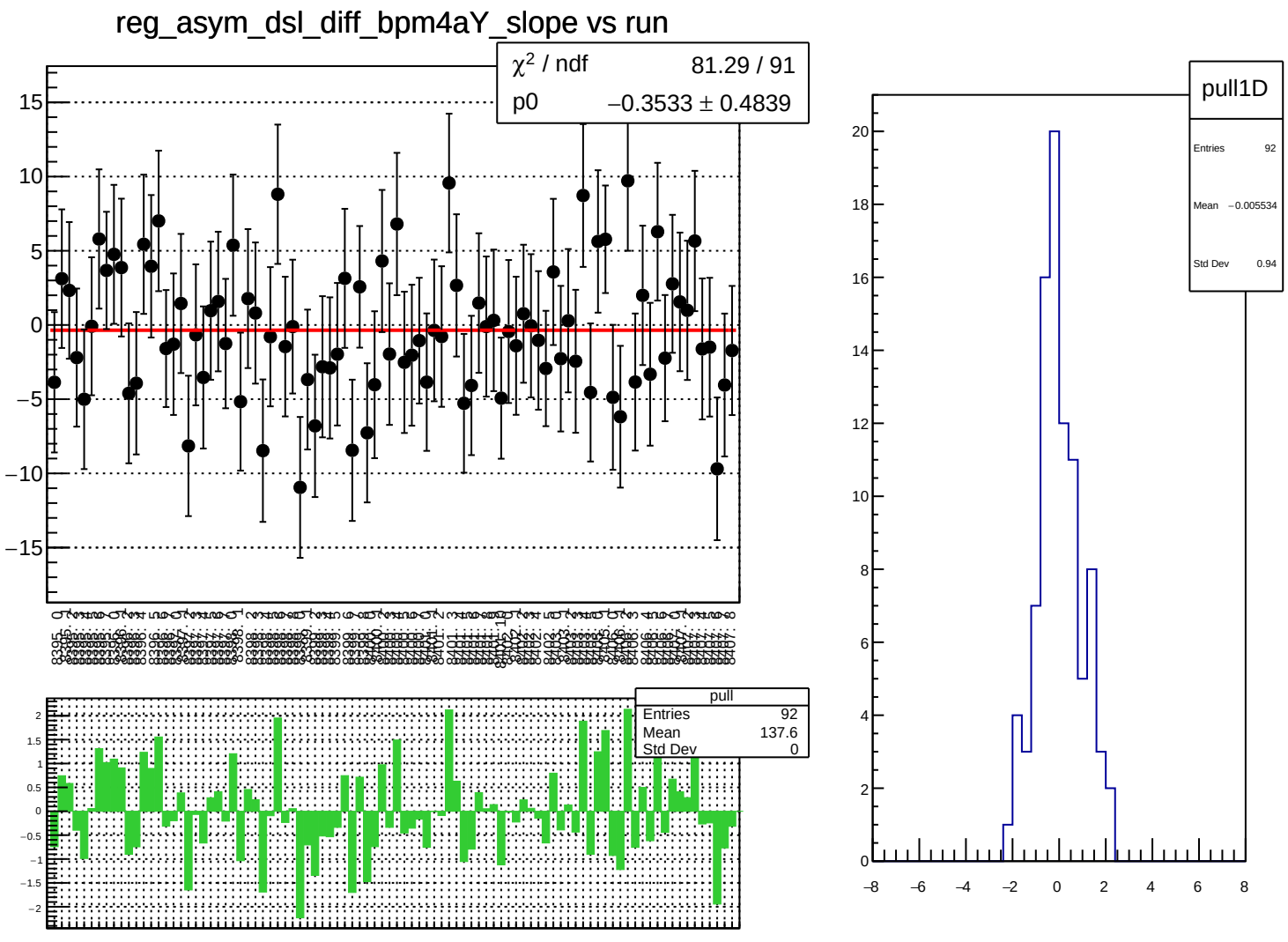

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.25 / 91
p0 −1.396 ± 5.06
100
50
0
−50
−100
pull
Entries 92
Mean −30.92
Std Dev 0
1
0.5
0
−0.5
−1

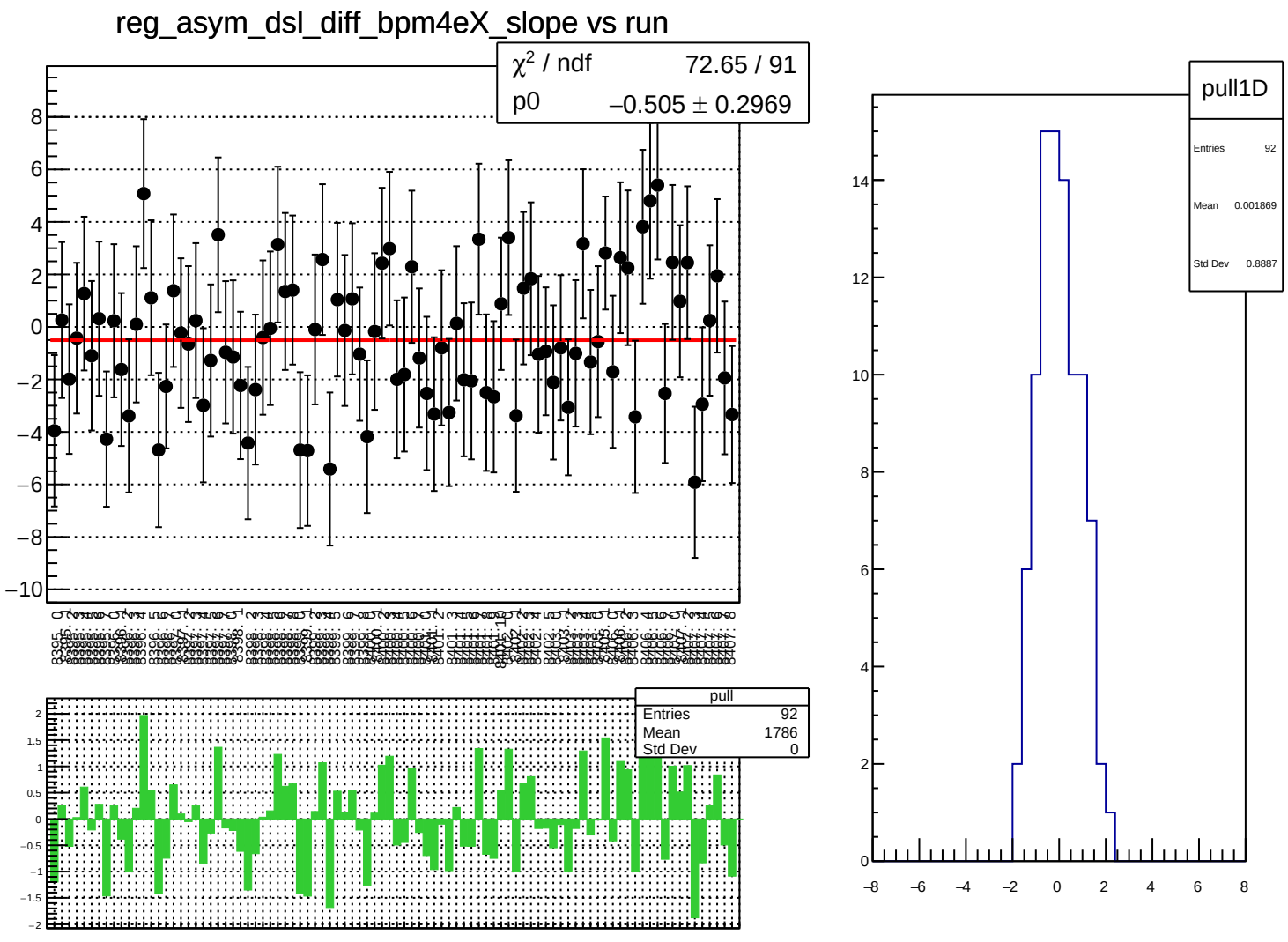

pull1D
Entries 92
Mean −0.006187
Std Dev 0.3794
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

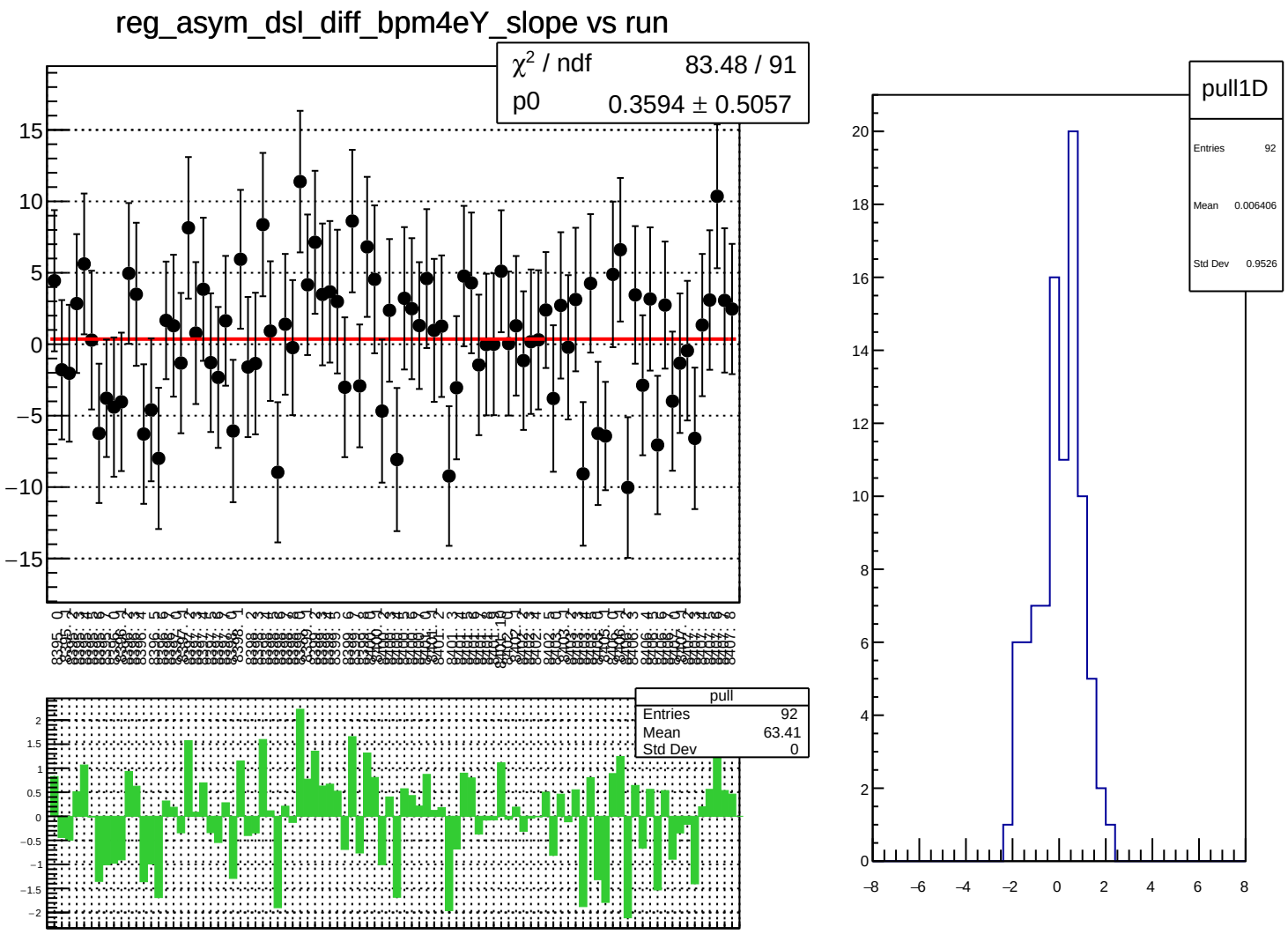

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 13.95 / 91
p0 −41.8 ± 0.3116
−36
−38
−40
−42
−44
−46
−48
pull
Entries 92
Mean 373
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.007209
Std Dev 0.3894
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

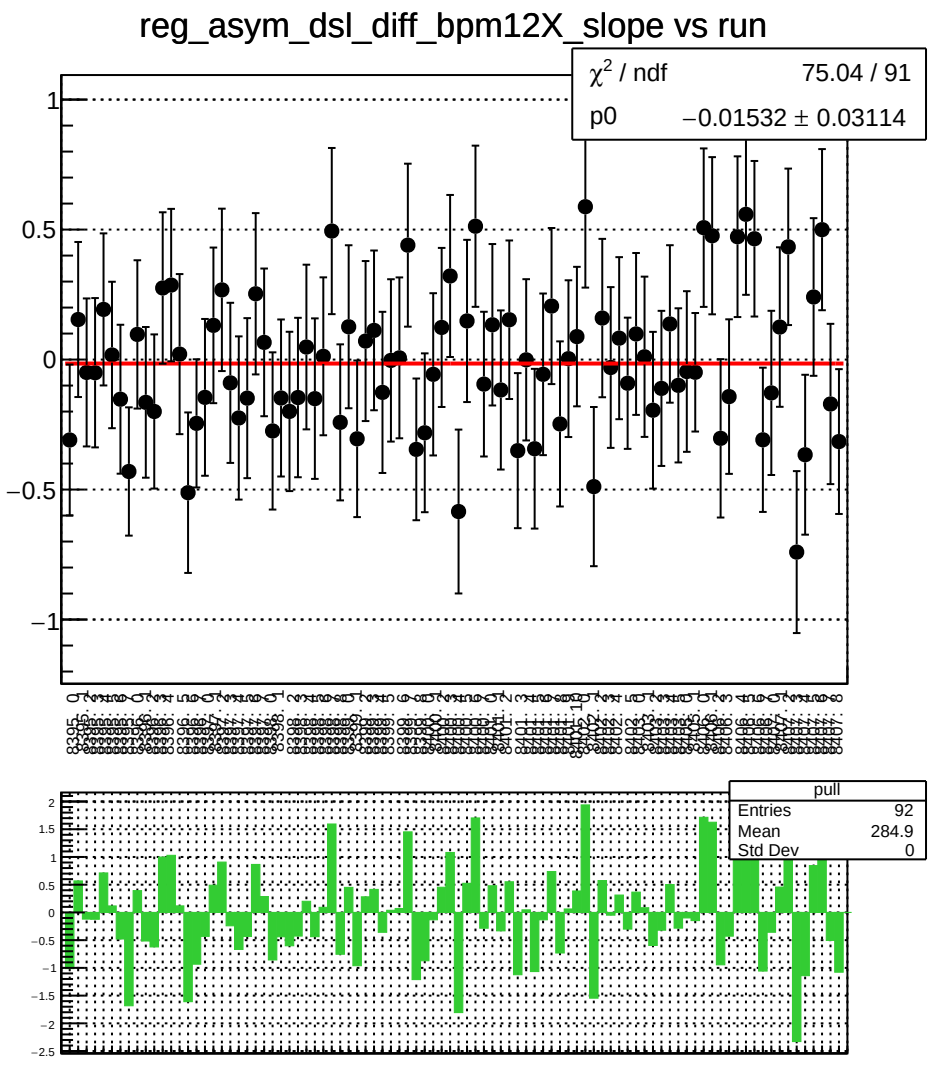

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 74.39 / 91
p0 0.4782 ± 0.2657
pull
Entries 92
Mean −4203
Std Dev 0

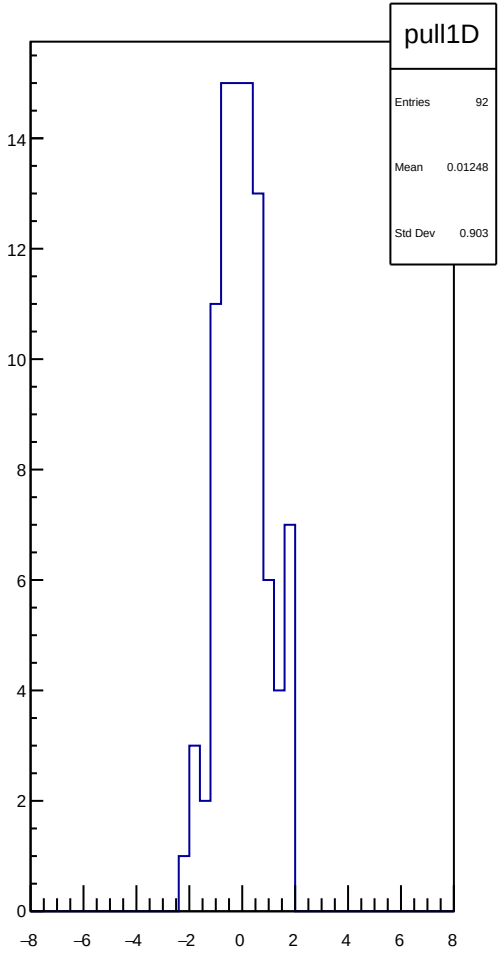

pull1D
Entries 92
Mean 0.0007906
Std Dev 0.8992

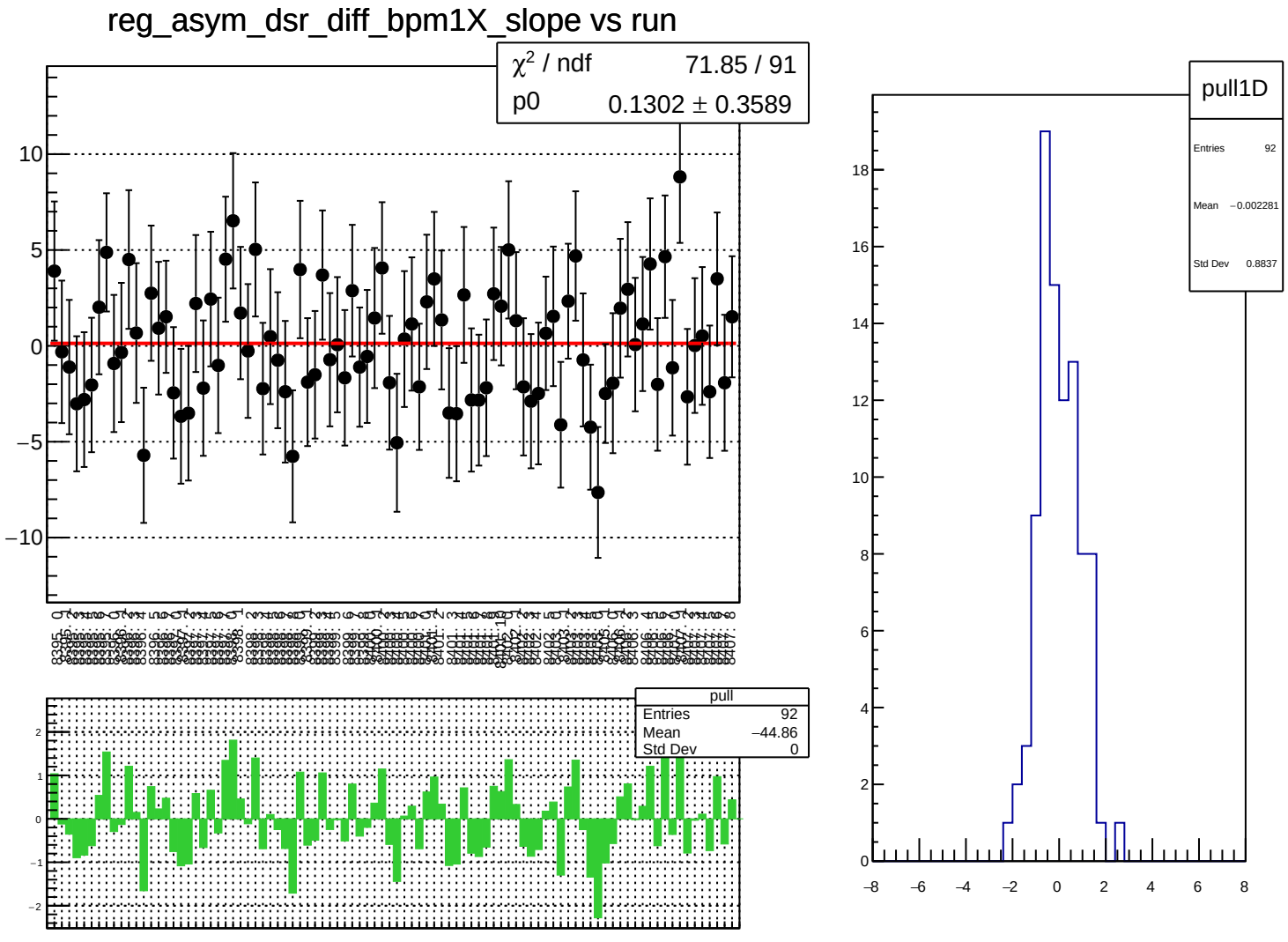

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 81.29 / 91
p0 −0.3533 ± 0.4839
pull
Entries 92
Mean 137.6
Std Dev 0
pull1D
Entries 92
Mean −0.005534
Std Dev 0.94

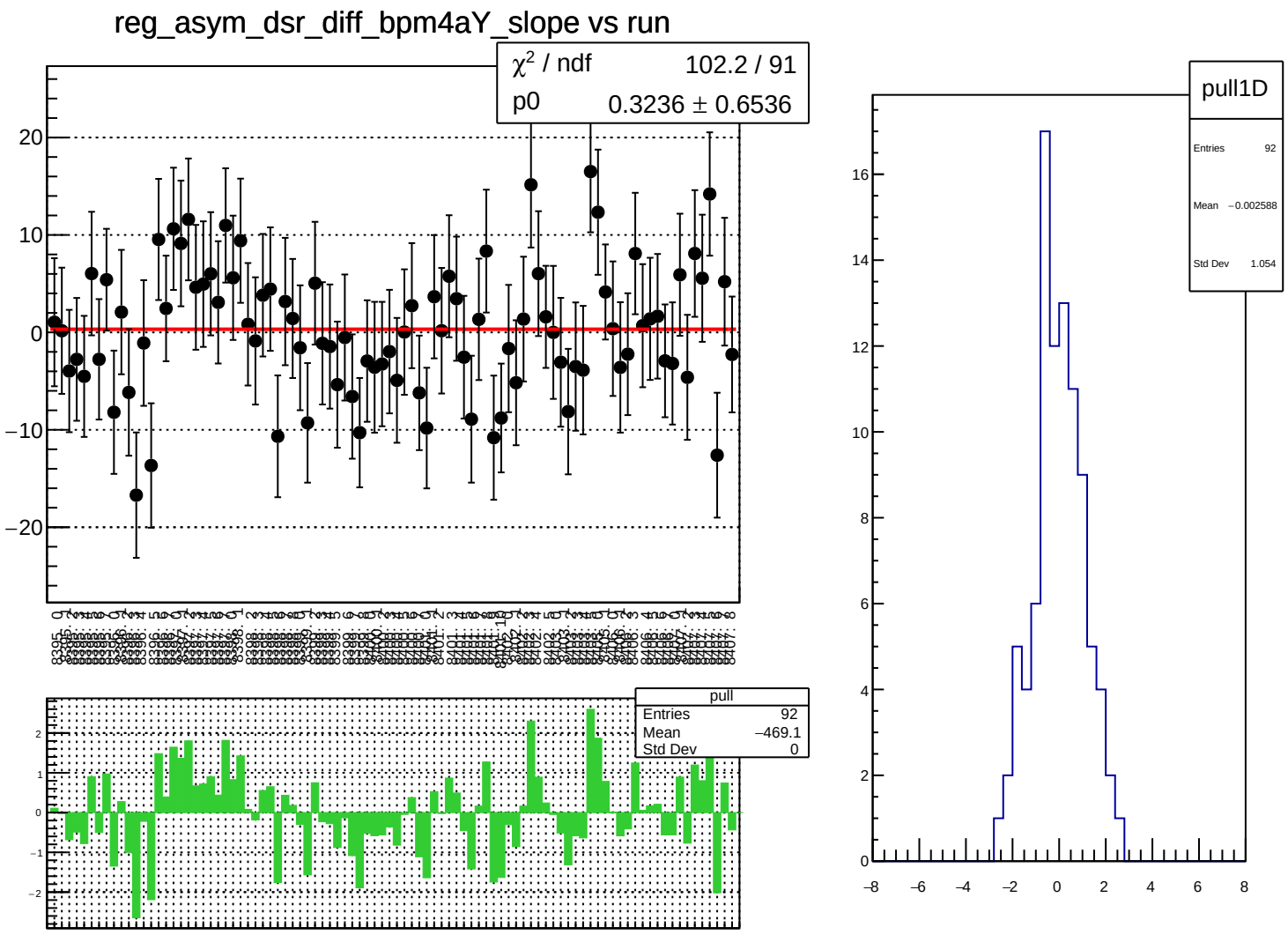

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 72.65 / 91
p0 −0.505 ± 0.2969
pull
Entries 92
Mean 1786
Std Dev 0
pull1D
Entries 92
Mean 0.001869
Std Dev 0.8887

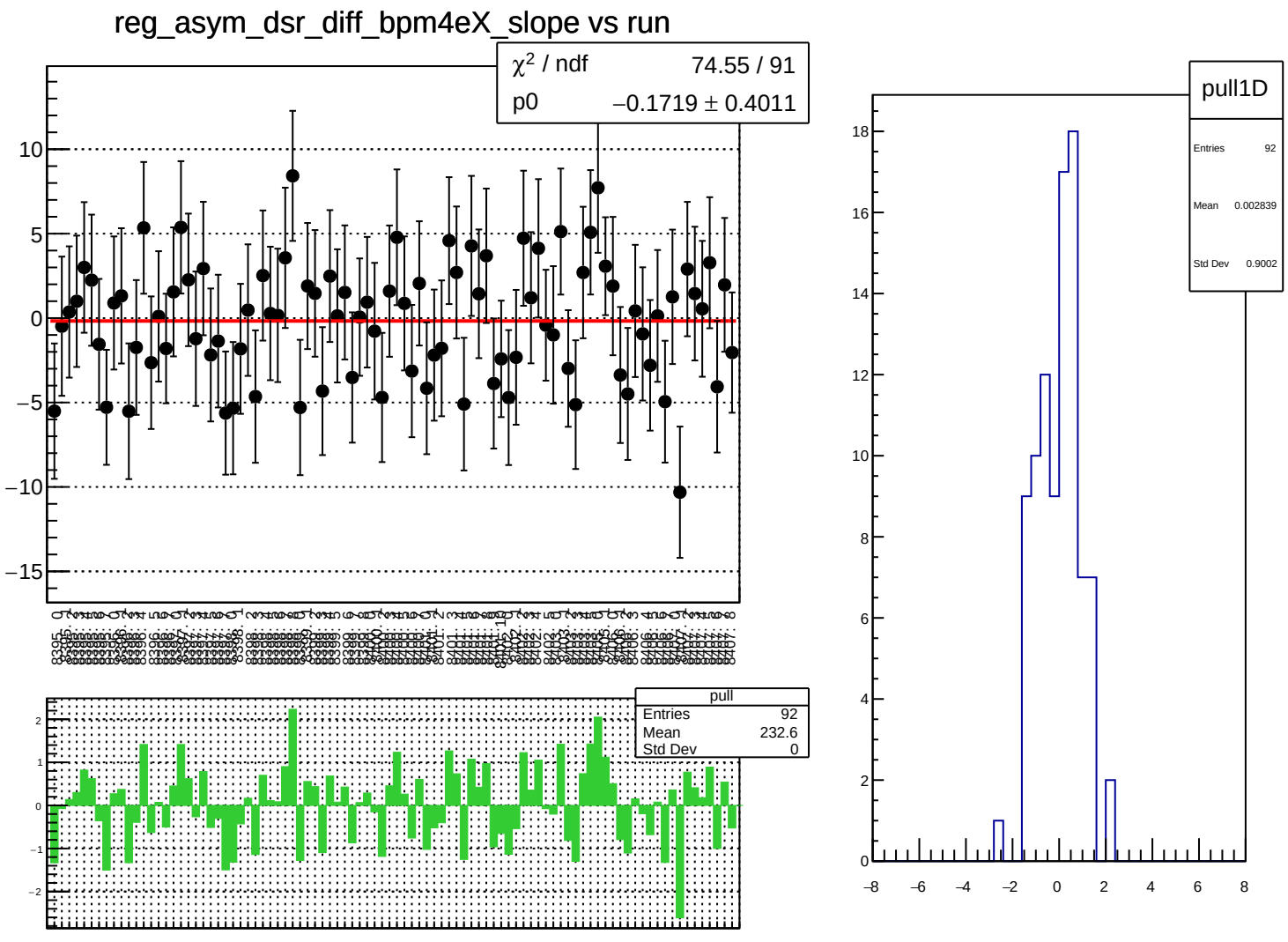

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 83.48 / 91
p0 0.3594 ± 0.5057
pull
Entries 92
Mean 63.41
Std Dev 0
pull1D
Entries 92
Mean 0.006406
Std Dev 0.9526

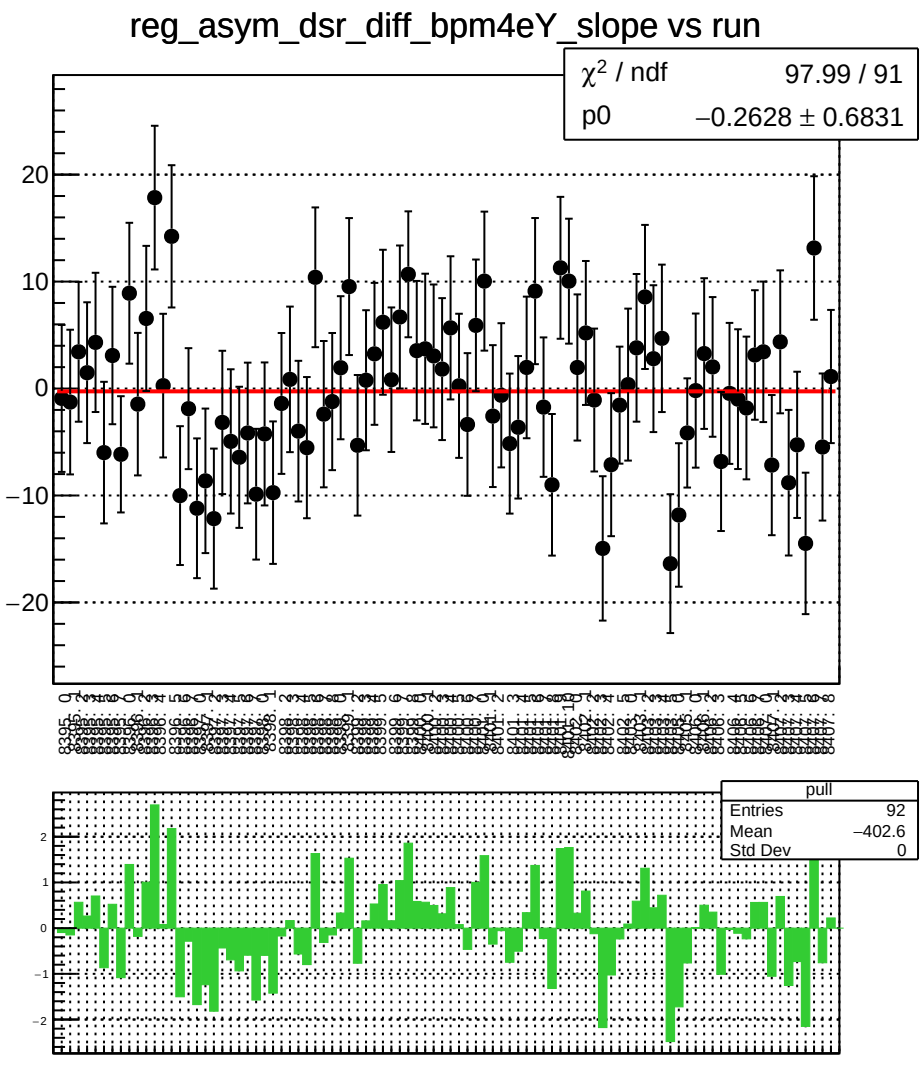

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 75.04 / 91
p0 −0.01532 ± 0.03114
pull
Entries 92
Mean 284.9
Std Dev 0

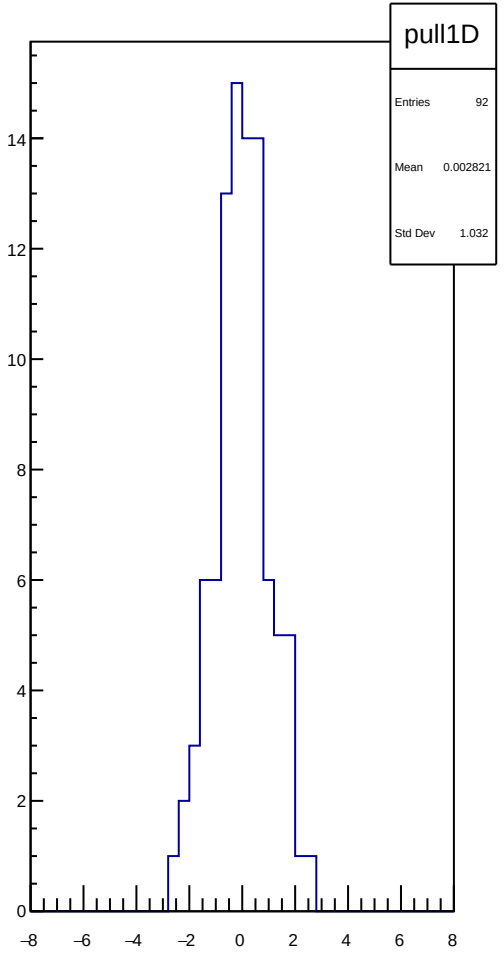

pull1D
Entries 92
Mean 0.01248
Std Dev 0.903

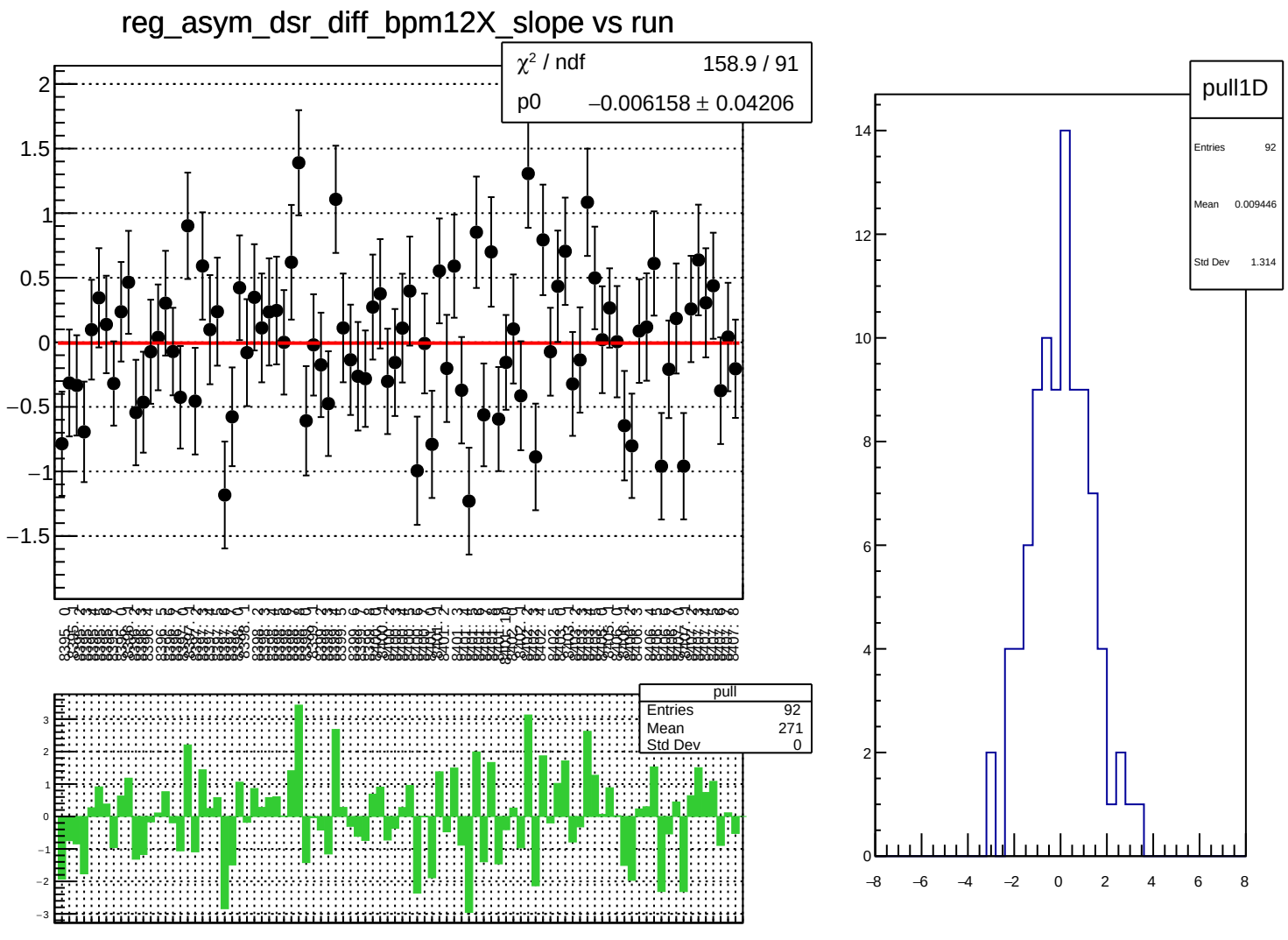

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 71.85 / 91
p0 0.1302 ± 0.3589
pull
Entries 92
Mean −44.86
Std Dev 0
pull1D
Entries 92
Mean −0.002281
Std Dev 0.8837

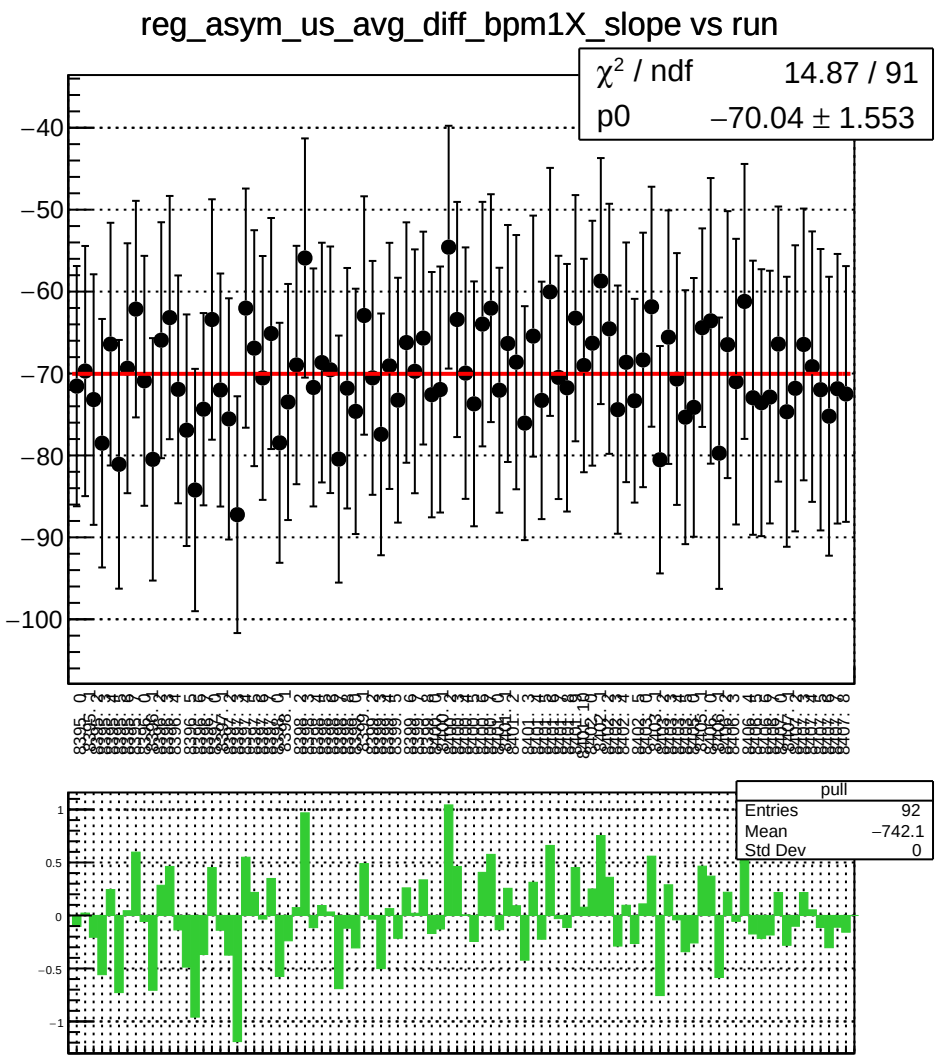

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 102.2 / 91
p0 0.3236 ± 0.6536
pull
Entries 92
Mean −469.1
Std Dev 0
pull1D
Entries 92
Mean −0.002588
Std Dev 1.054

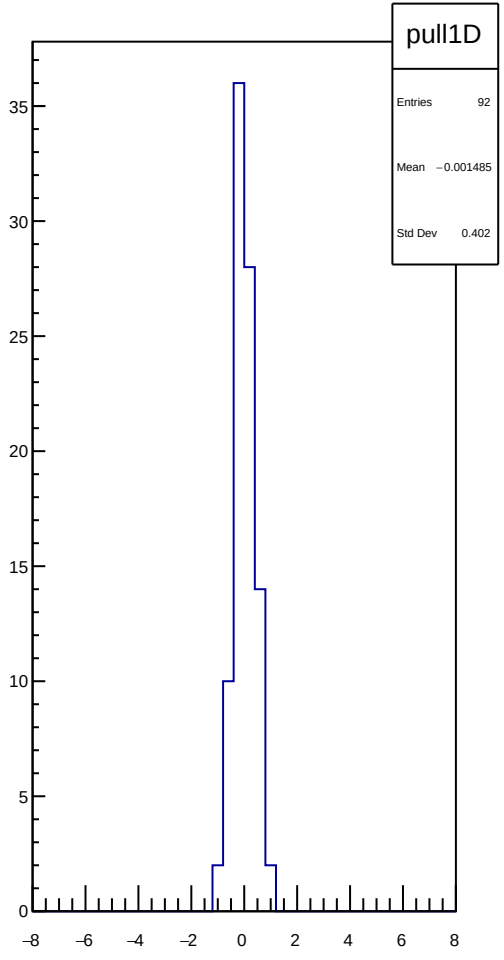

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 74.55 / 91
p0 −0.1719 ± 0.4011
pull
Entries 92
Mean 232.6
Std Dev 0
pull1D
Entries 92
Mean 0.002839
Std Dev 0.9002

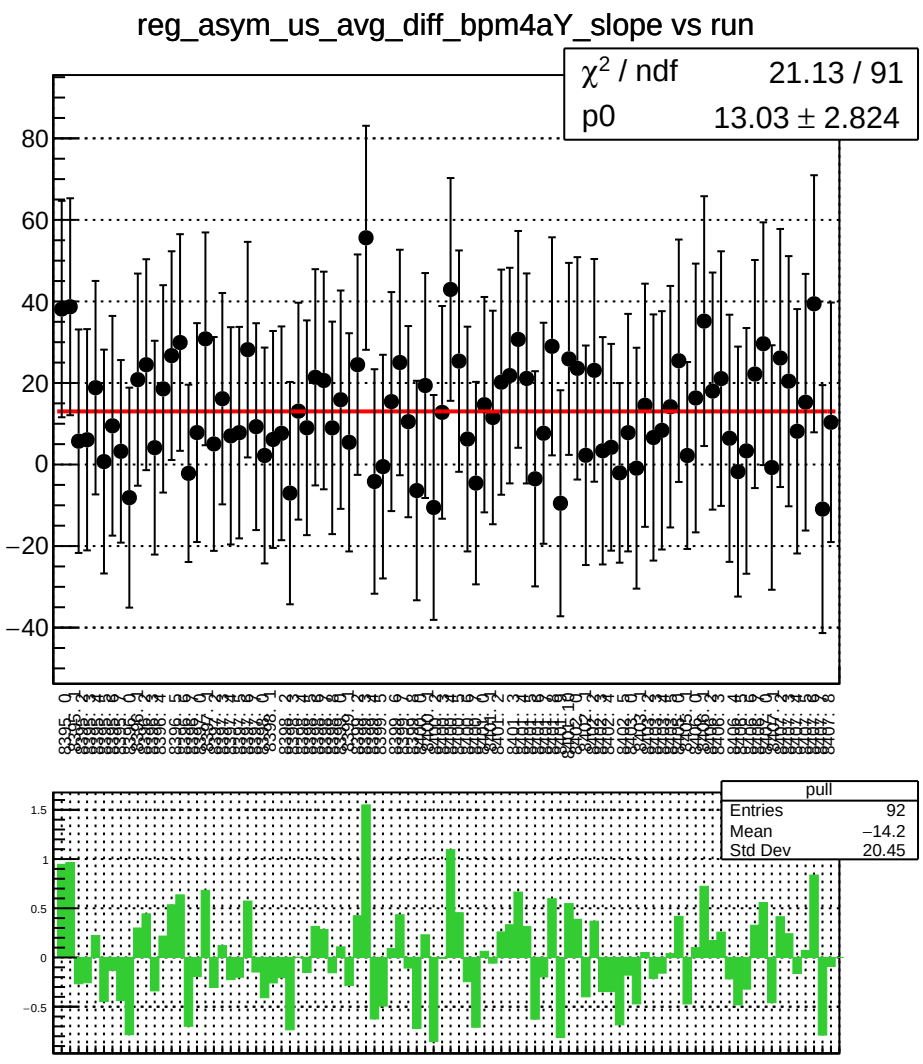

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 97.99 / 91
p0 −0.2628 ± 0.6831
20
10
0
−10
−20
pull
Entries 92
Mean −402.6
Std Dev 0
2
1
0
−1
−2

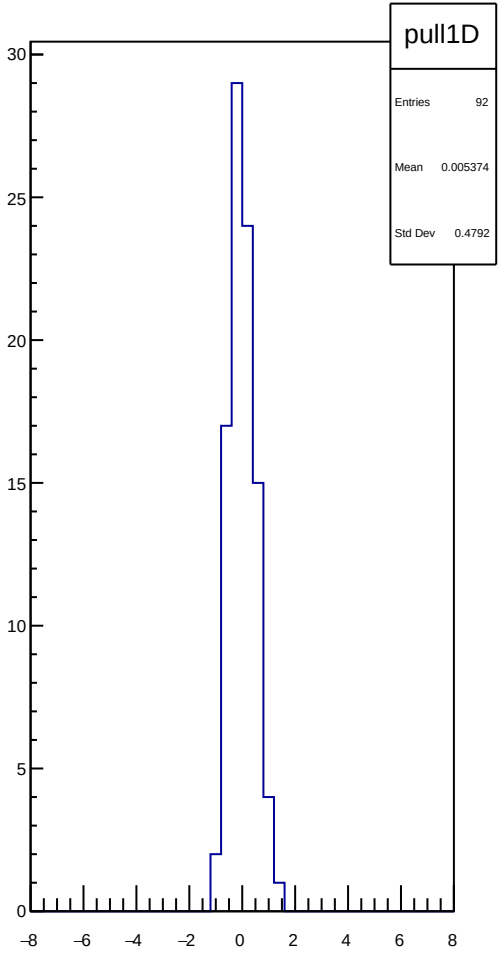

pull1D
Entries 92
Mean 0.002821
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

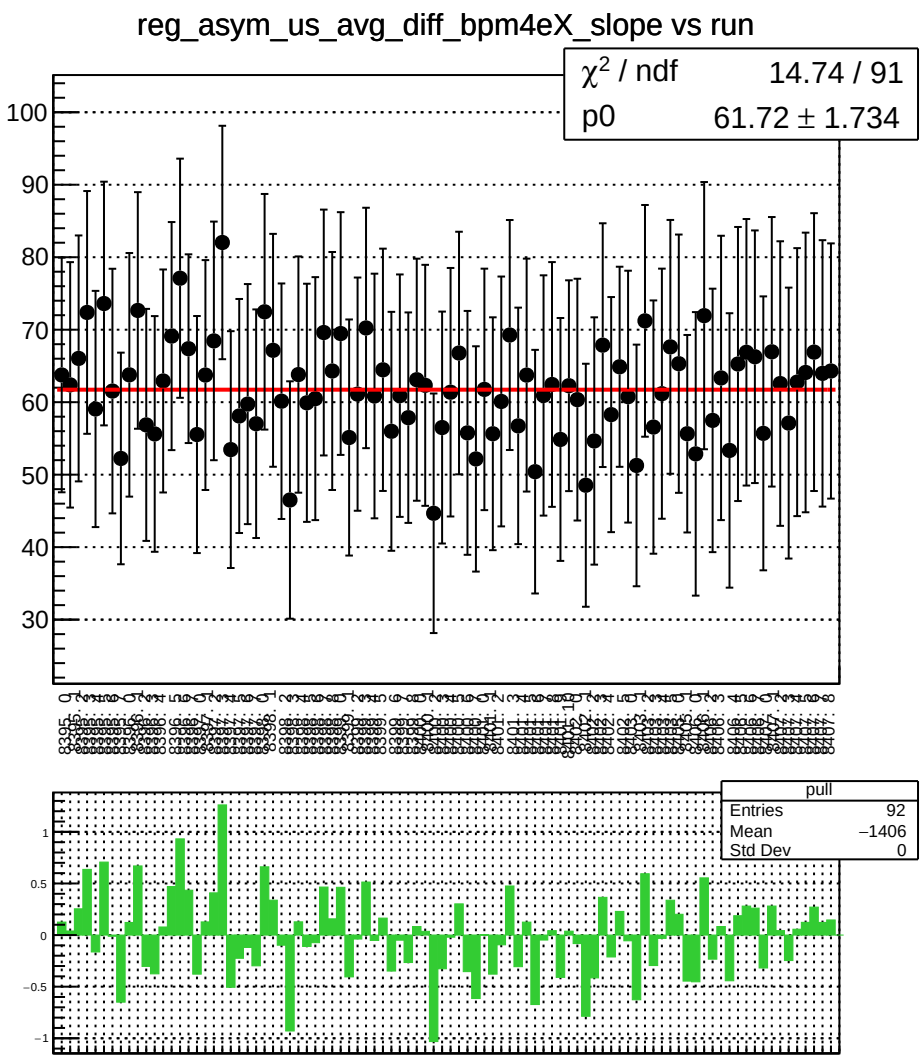

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 158.9 / 91
p0 −0.006158 ± 0.04206
pull
Entries 92
Mean 271
Std Dev 0
pull1D
Entries 92
Mean 0.009446
Std Dev 1.314

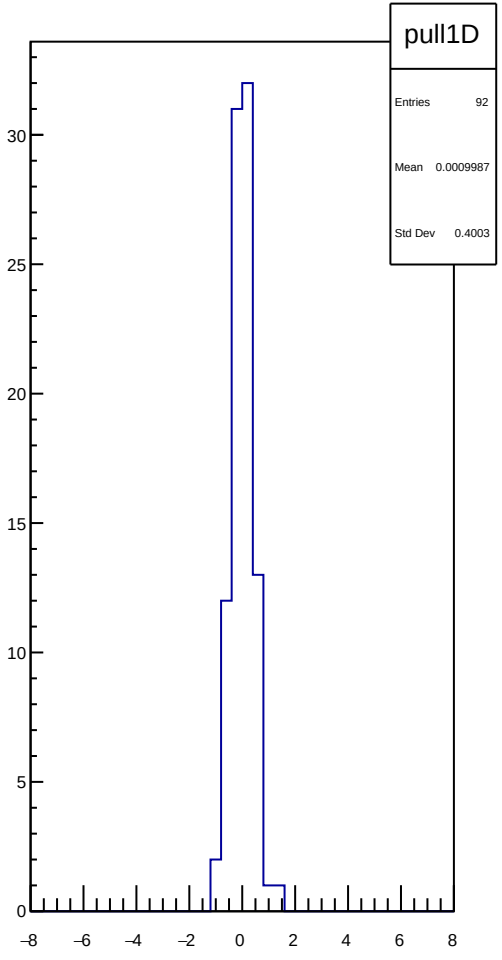

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 14.87 / 91
p0 −70.04 ± 1.553
−40
−50
−60
−70
−80
−90
−100
pull
Entries 92
Mean −742.1
Std Dev 0
1
0.5
0
−0.5
−1

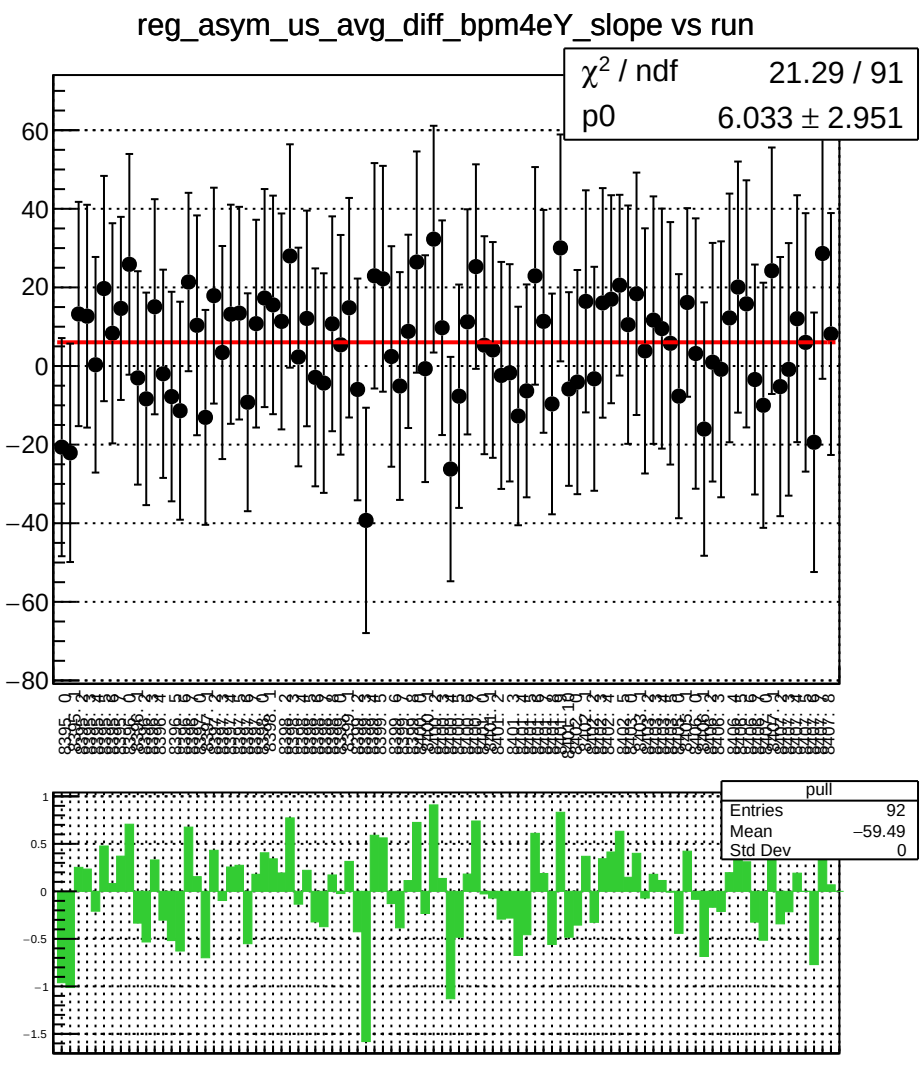

pull1D
Entries 92
Mean −0.001485
Std Dev 0.402
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

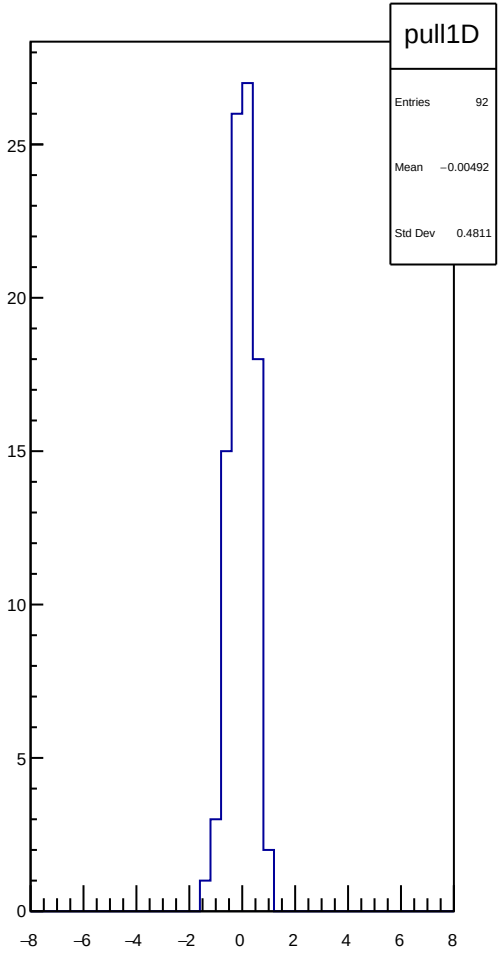

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.13 / 91
p0 13.03 ± 2.824
pull
Entries 92
Mean −14.2
Std Dev 20.45

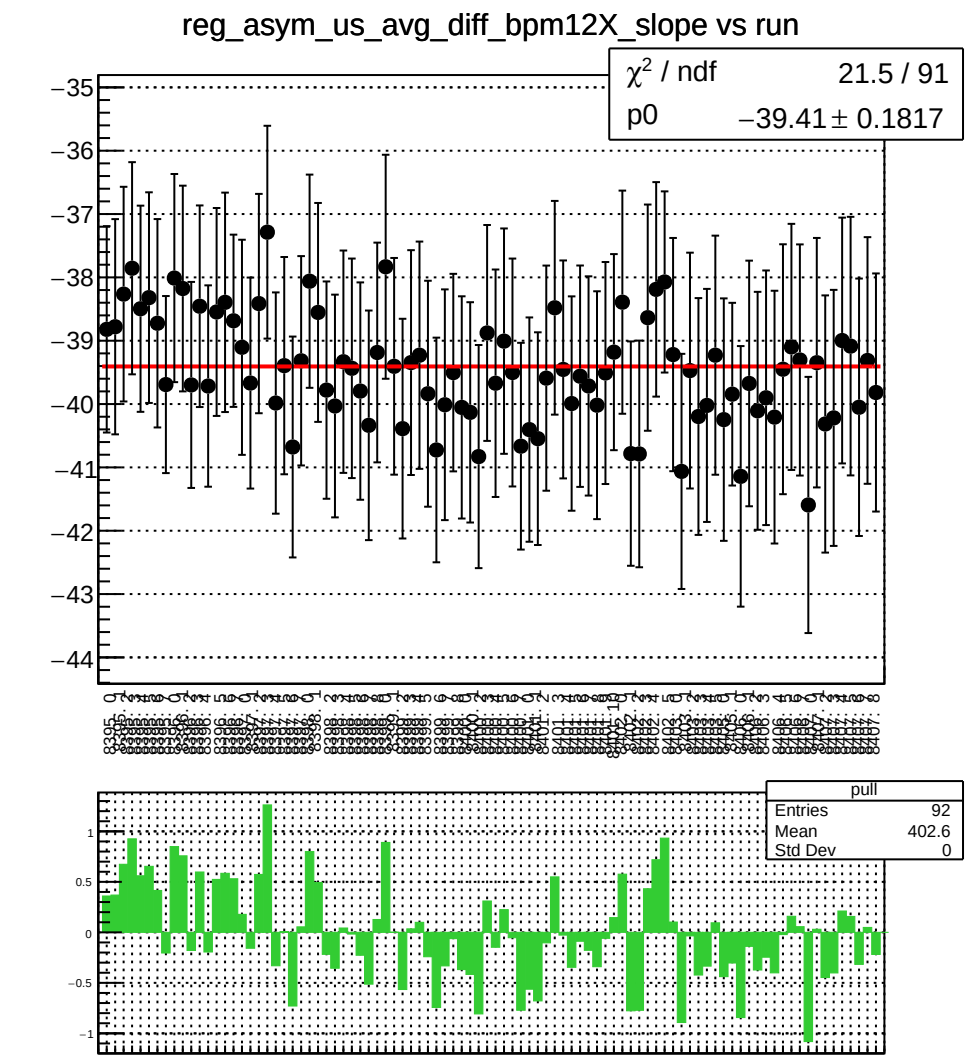

pull1D
Entries 92
Mean 0.005374
Std Dev 0.4792

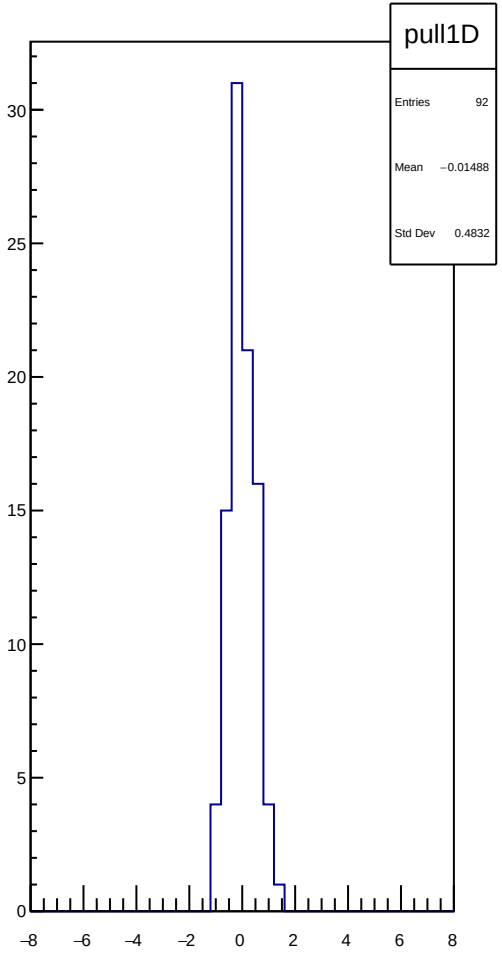

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.74 / 91
p0 61.72 ± 1.734
pull
Entries 92
Mean −1406
Std Dev 0

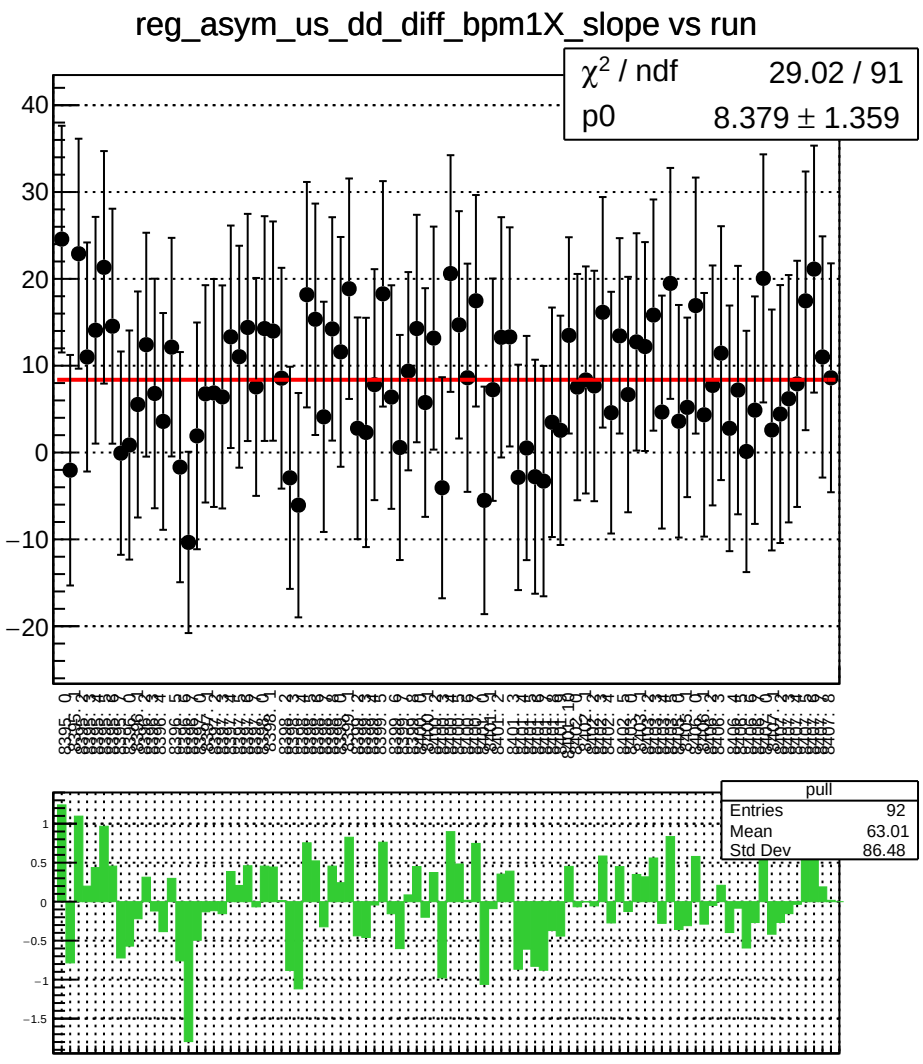

pull1D
Entries 92
Mean 0.0009987
Std Dev 0.4003

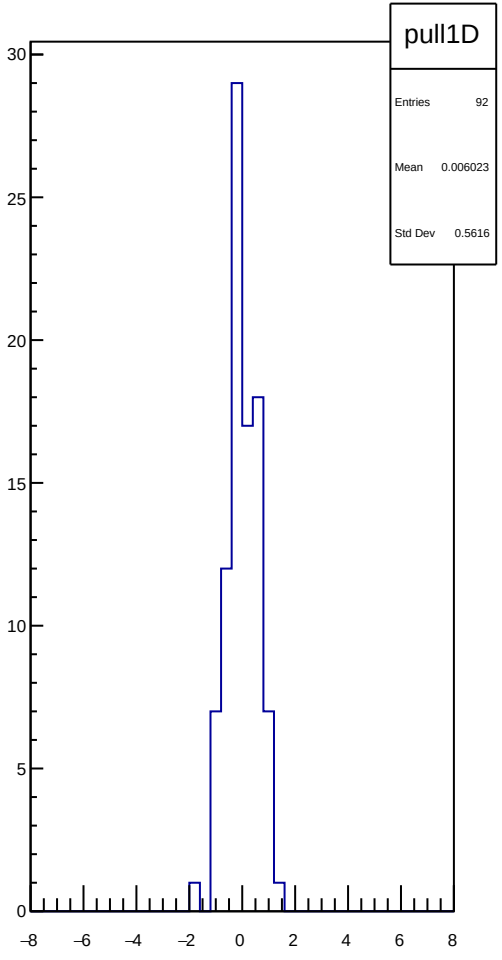

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.29 / 91
p0 6.033 ± 2.951
pull
Entries 92
Mean −59.49
Std Dev 0

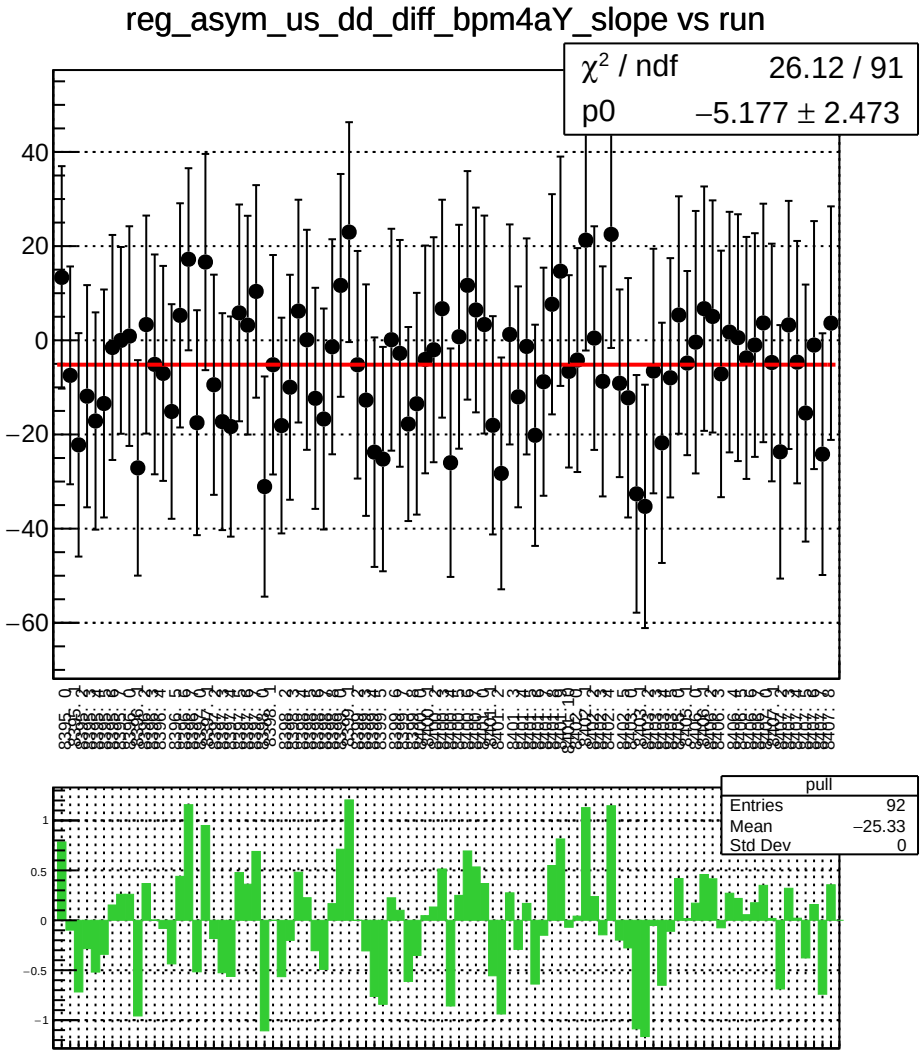

pull1D
Entries 92
Mean −0.00492
Std Dev 0.4811

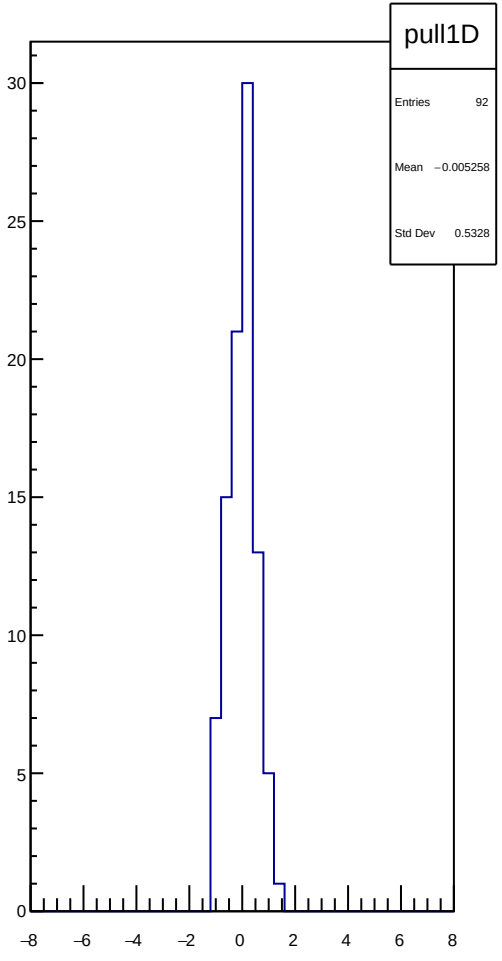

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 21.5 / 91
p0 −39.41 ± 0.1817
pull
Entries 92
Mean 402.6
Std Dev 0

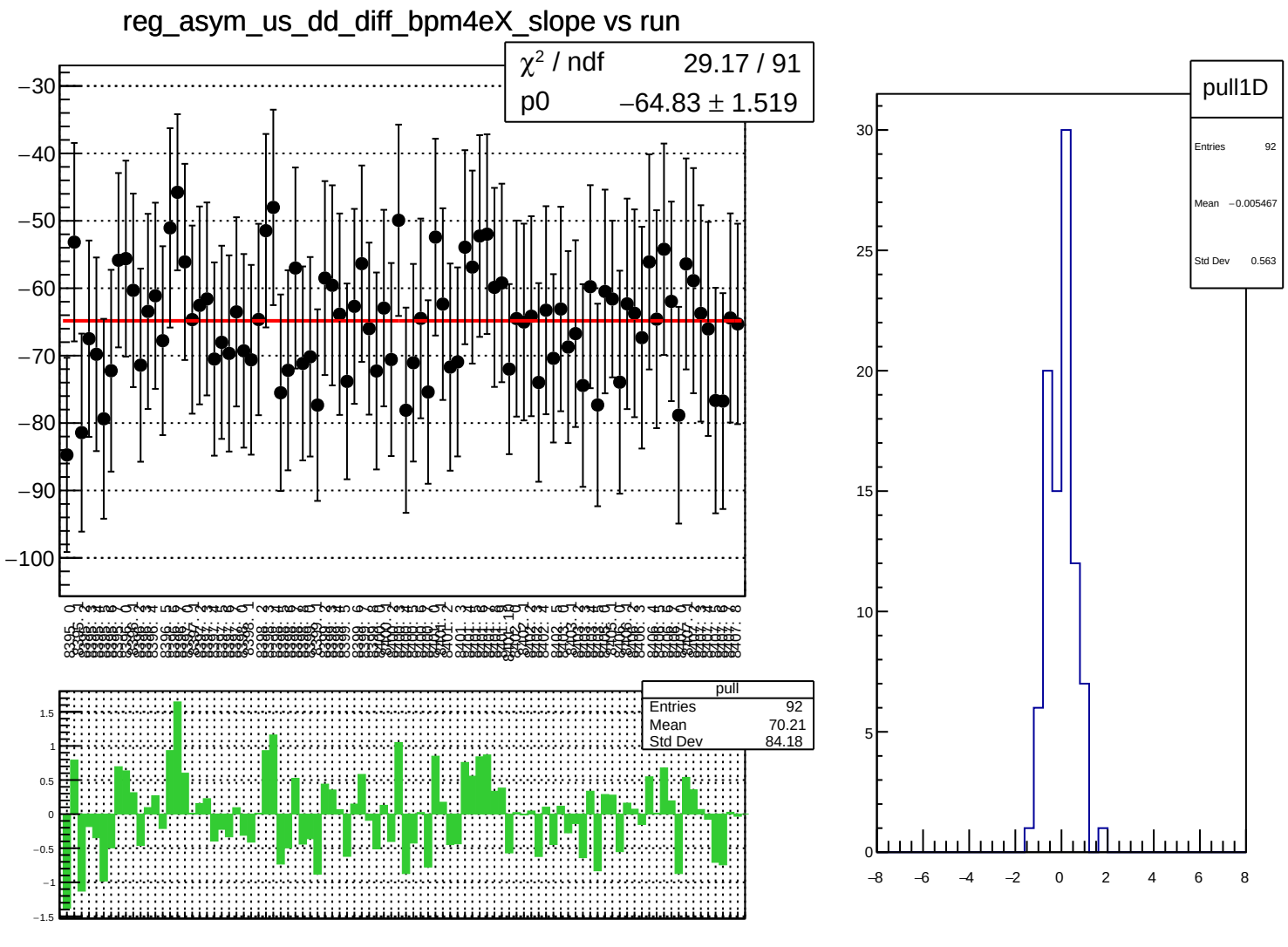

pull1D
Entries 92
Mean −0.01488
Std Dev 0.4832

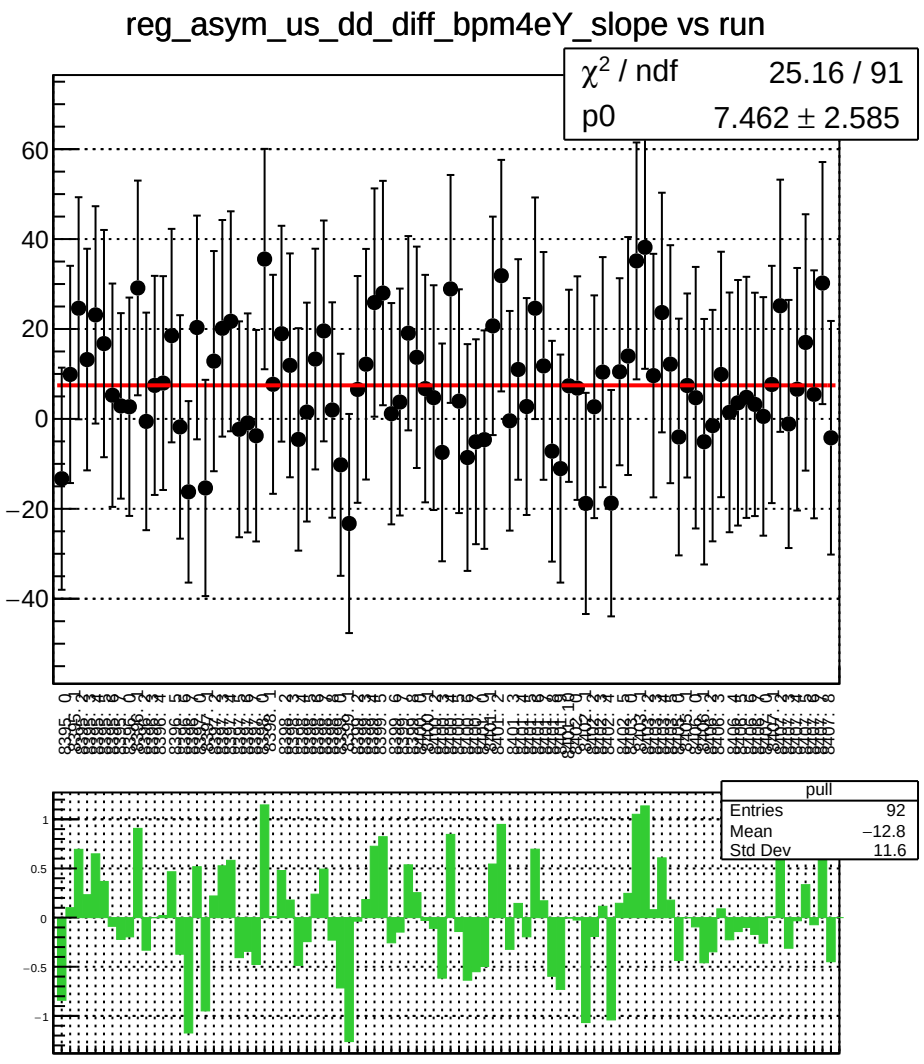

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 29.02 / 91
p0 8.379 ± 1.359
pull
Entries 92
Mean 63.01
Std Dev 86.48

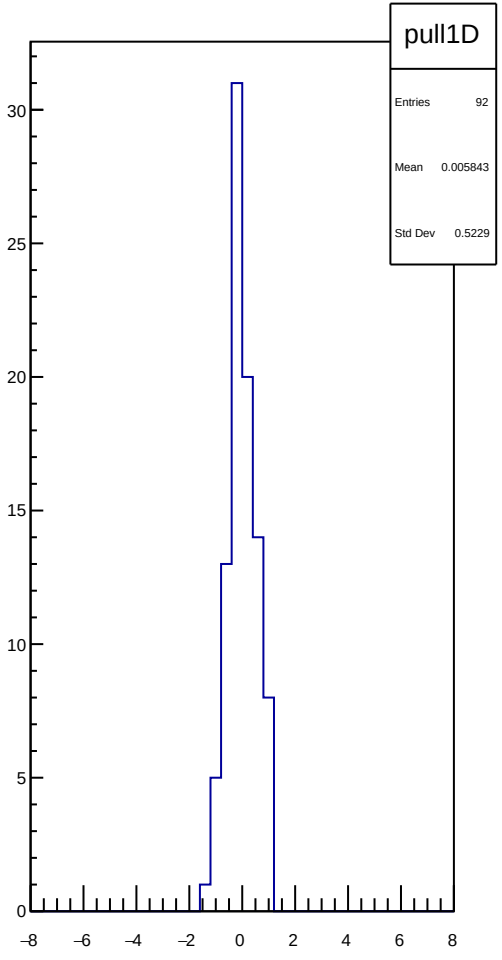

pull1D
Entries 92
Mean 0.006023
Std Dev 0.5616

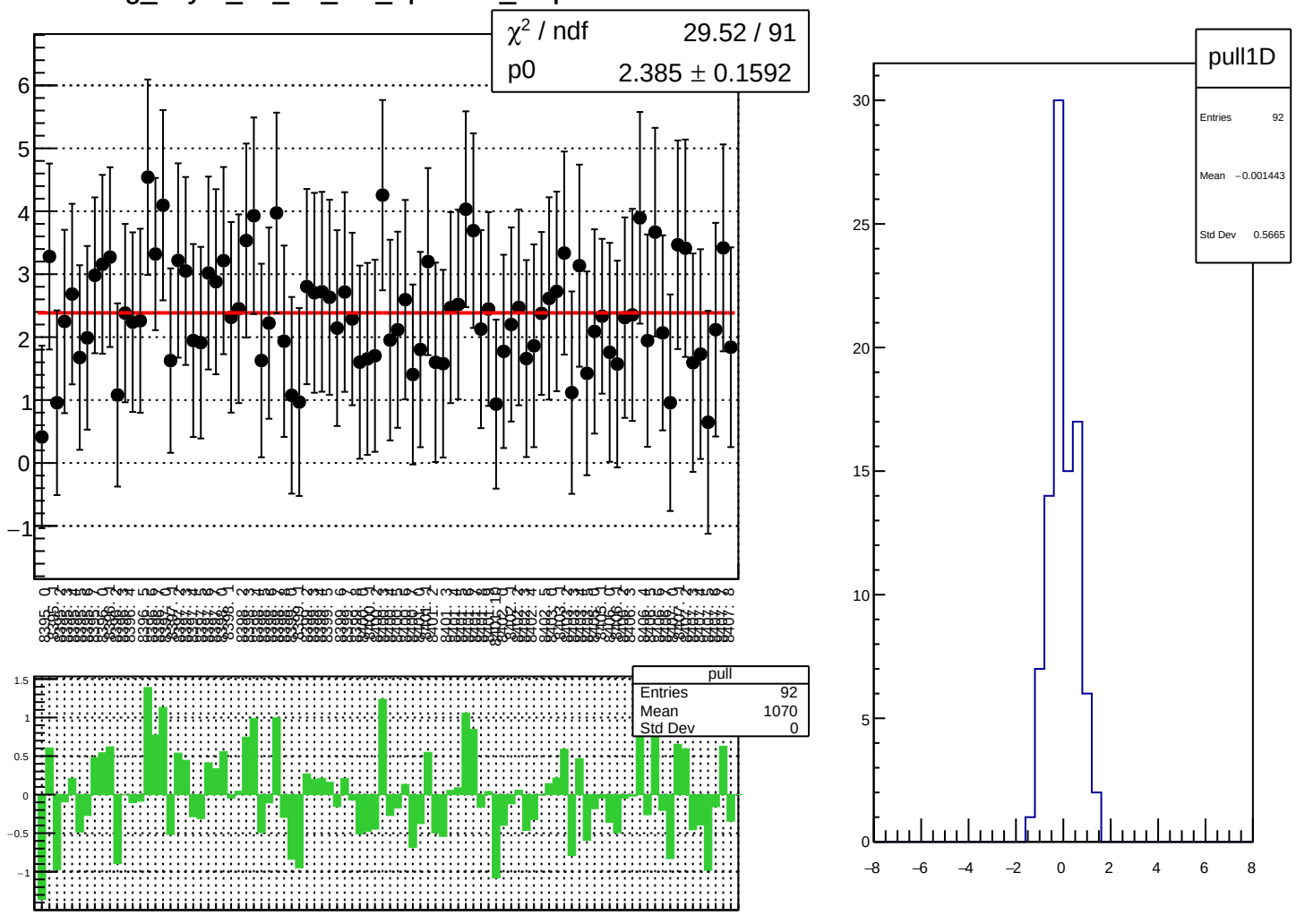

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.12 / 91
p0 −5.177 ± 2.473
pull
Entries 92
Mean −25.33
Std Dev 0

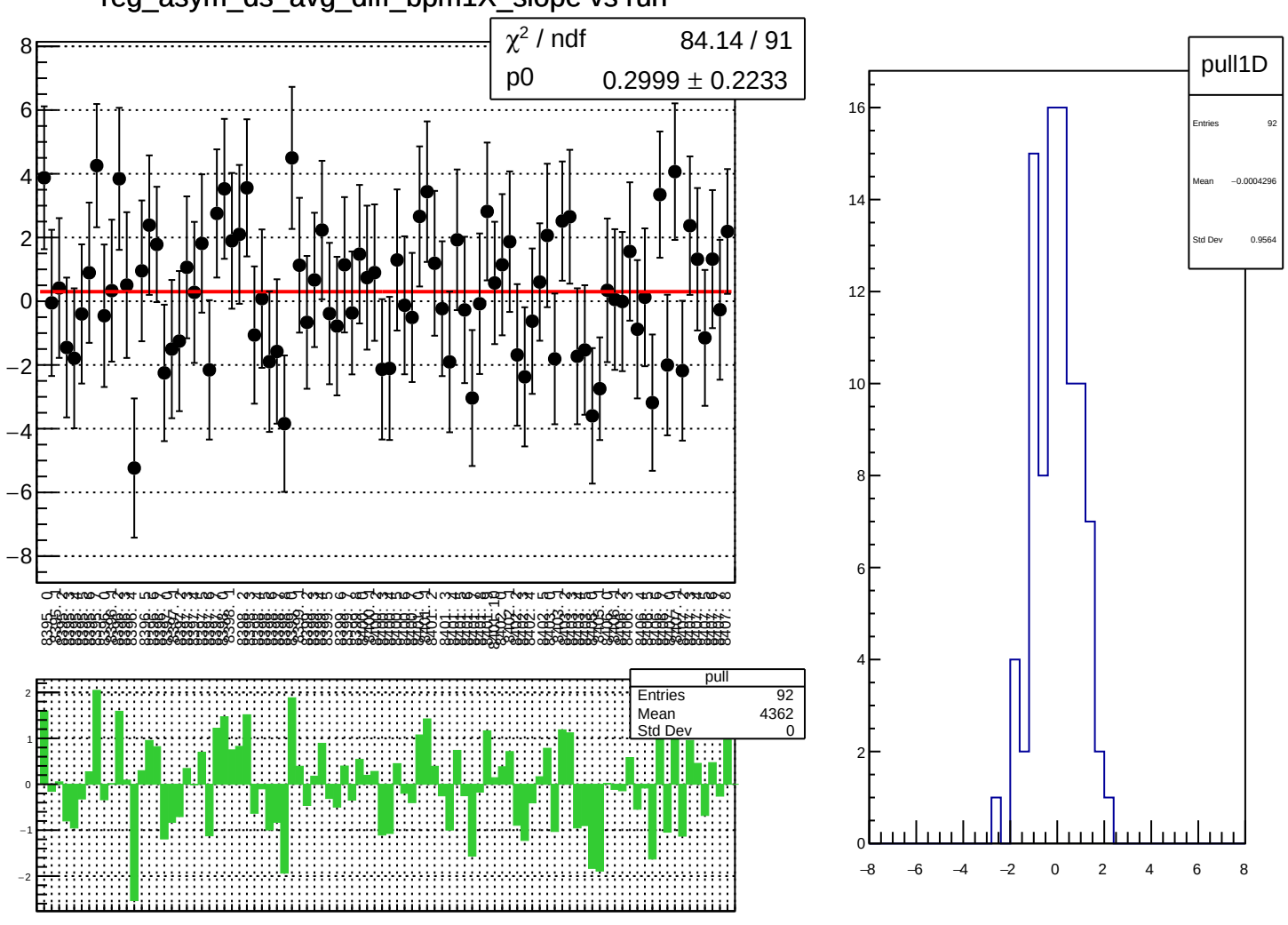

pull1D
Entries 92
Mean −0.005258
Std Dev 0.5328

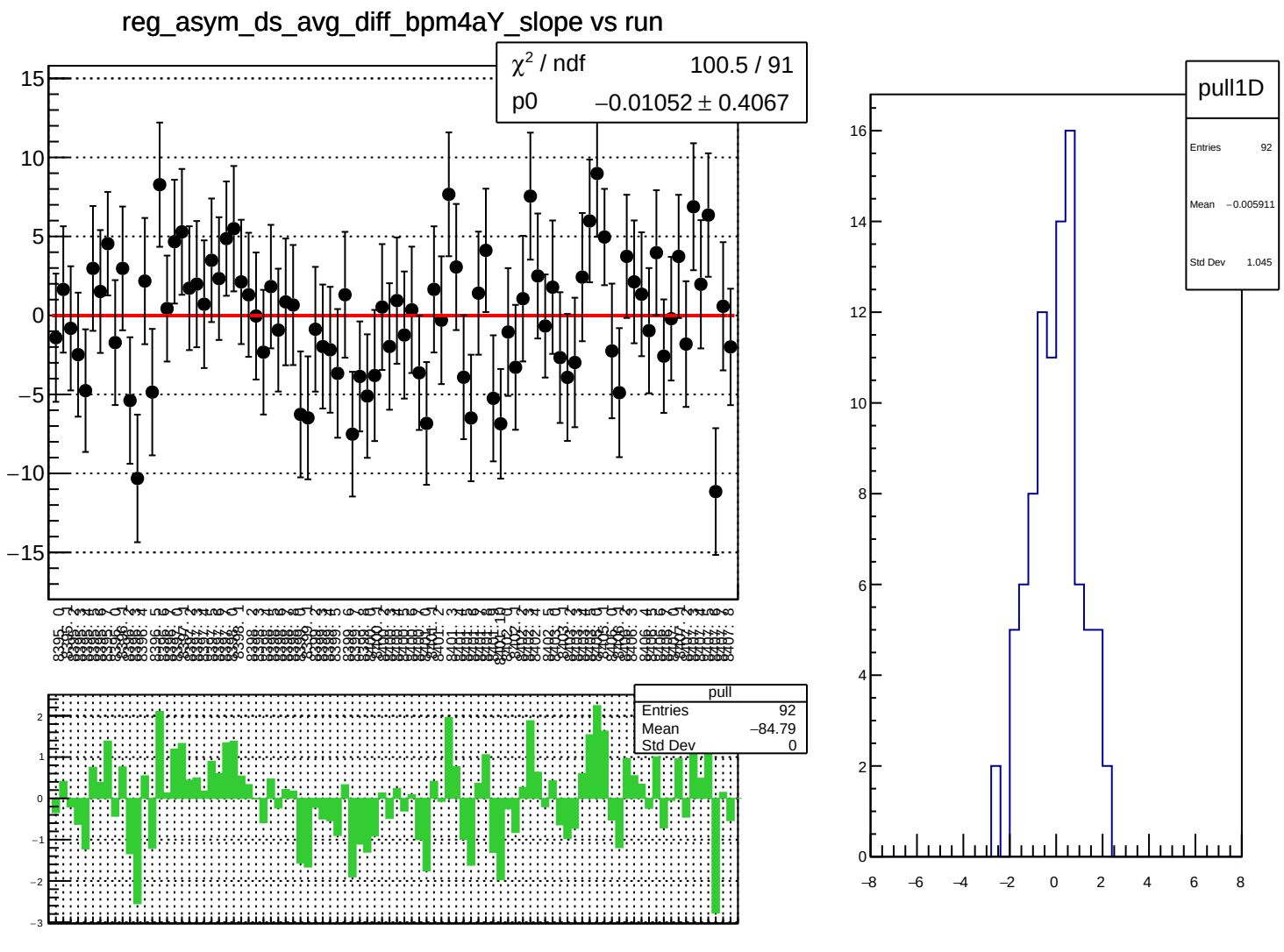

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 91
p0 −64.83 ± 1.519
pull
Entries 92
Mean 70.21
Std Dev 84.18
pull1D
Entries 92
Mean −0.005467
Std Dev 0.563

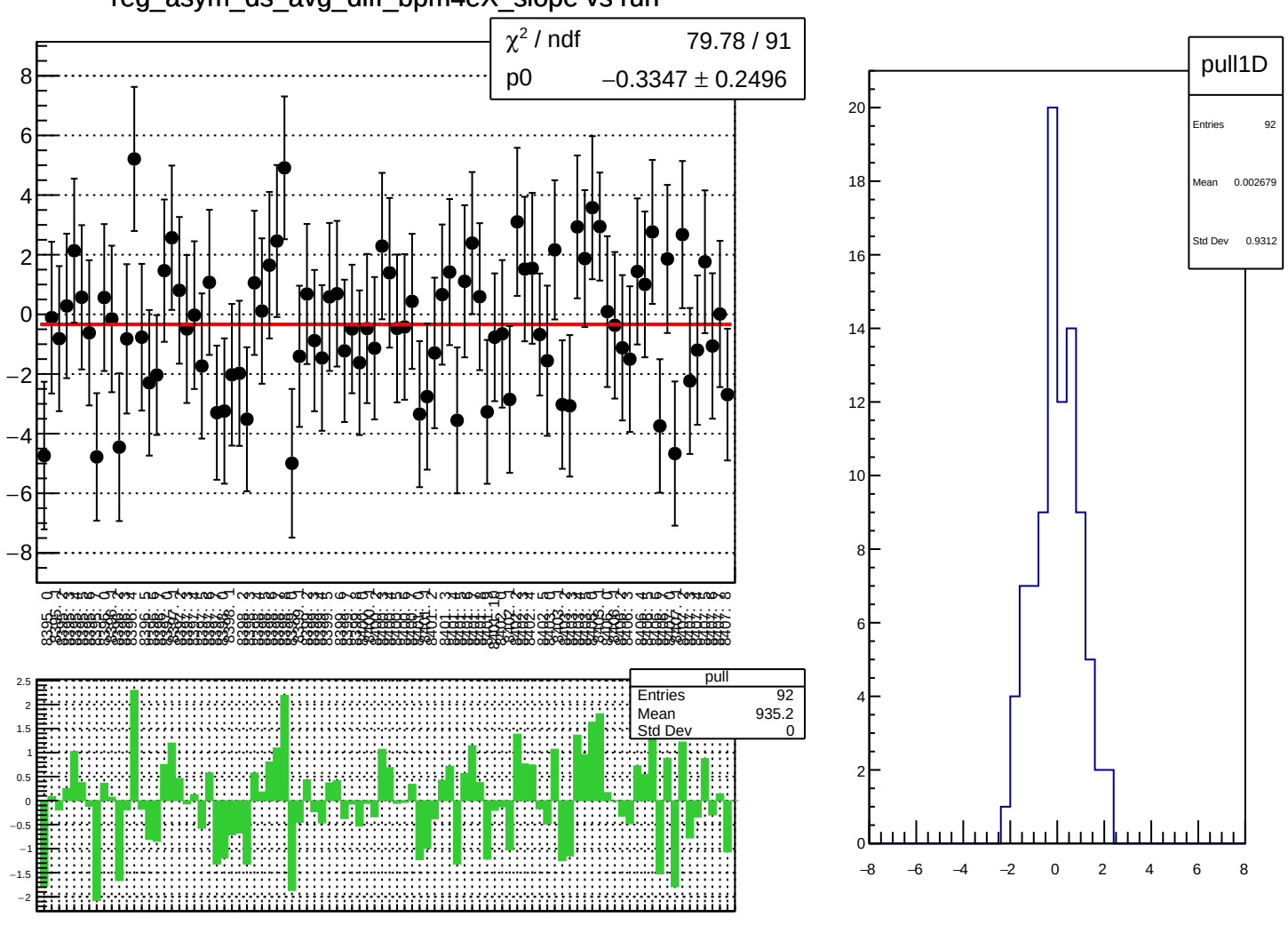

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.16 / 91
p0 7.462 ± 2.585
pull
Entries 92
Mean −12.8
Std Dev 11.6

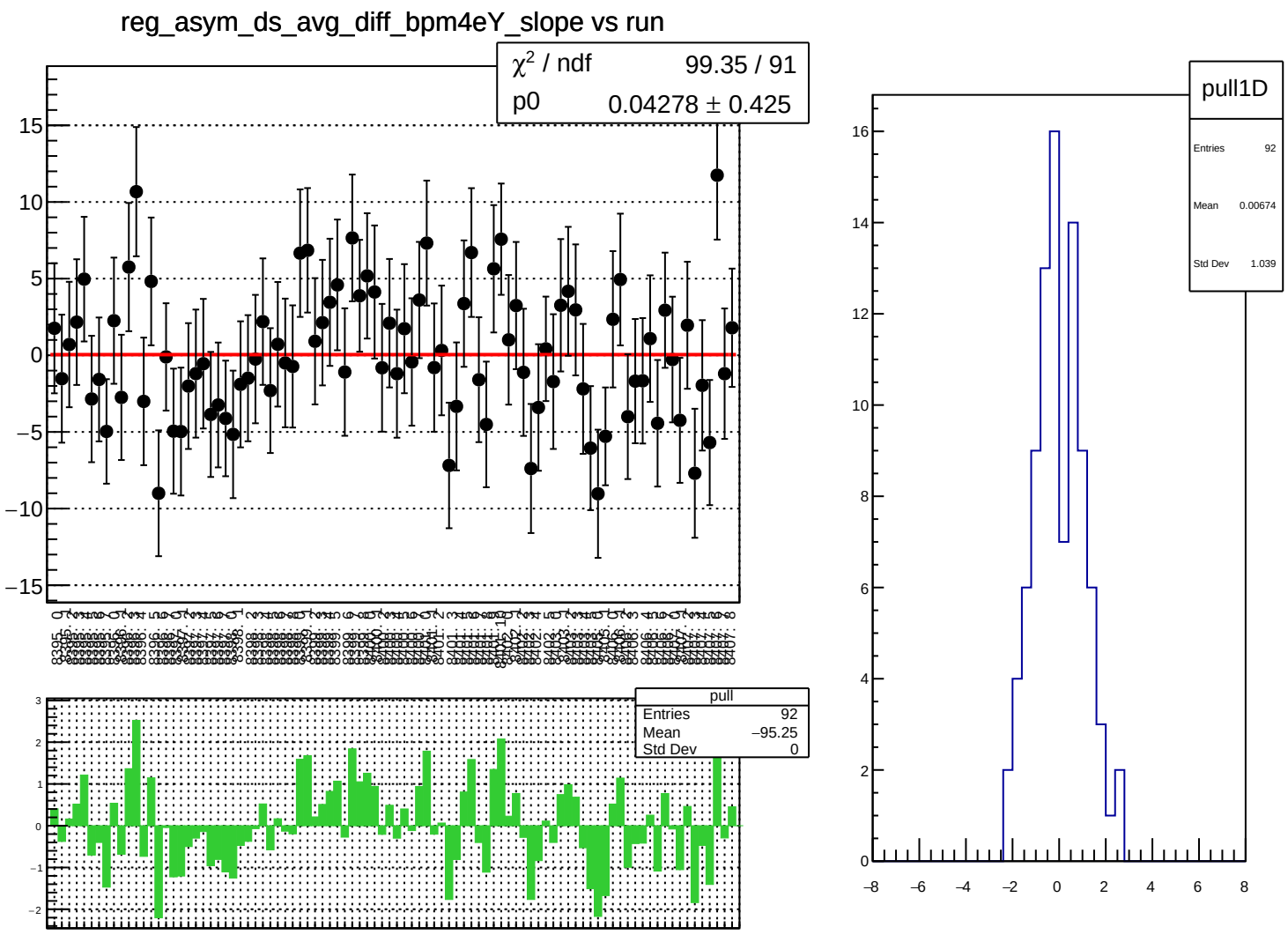

pull1D
Entries 92
Mean 0.005843
Std Dev 0.5229

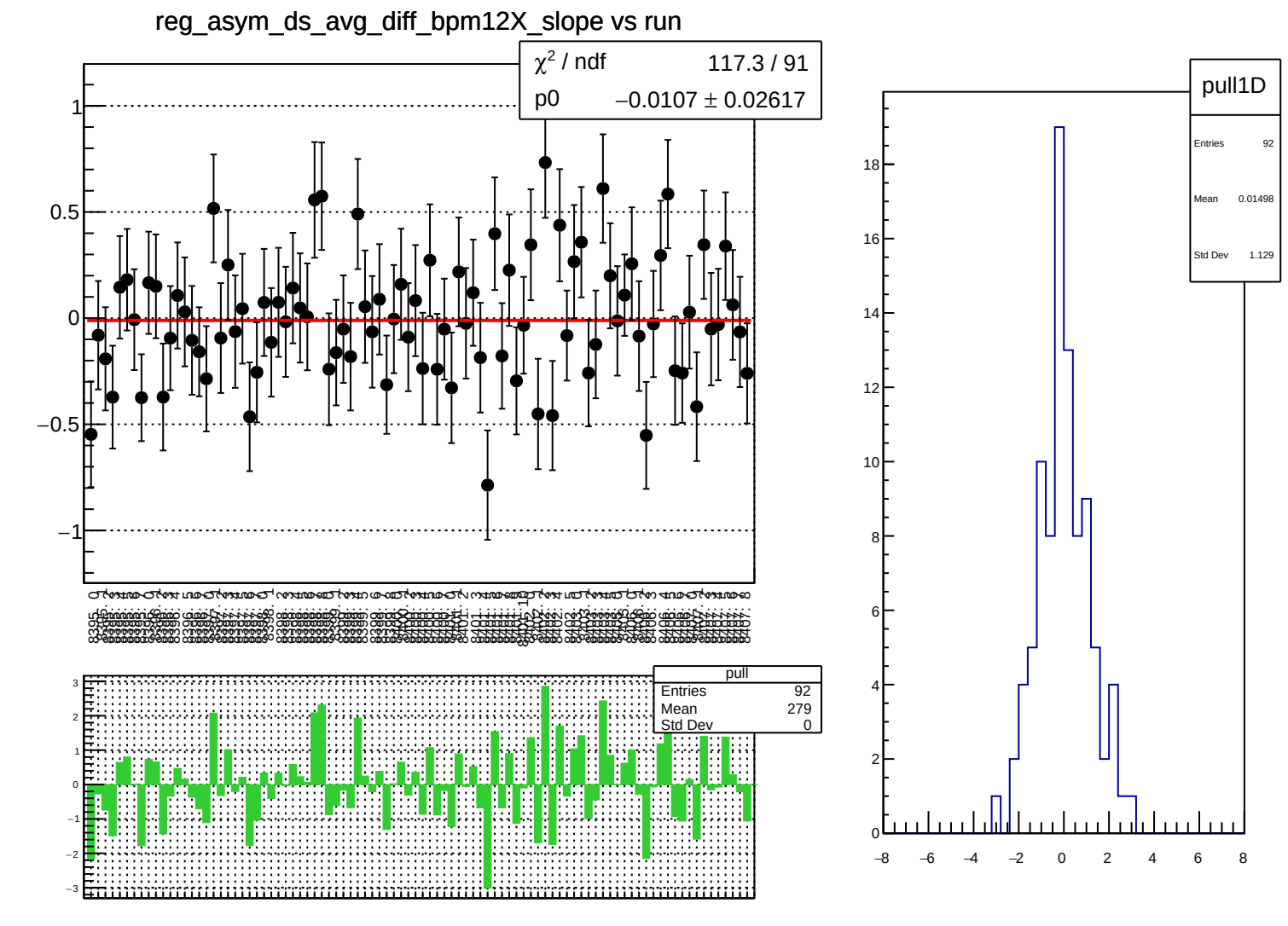

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 29.52 / 91
p0 2.385 ± 0.1592
pull
Entries 92
Mean 1070
Std Dev 0
pull1D
Entries 92
Mean −0.001443
Std Dev 0.5665

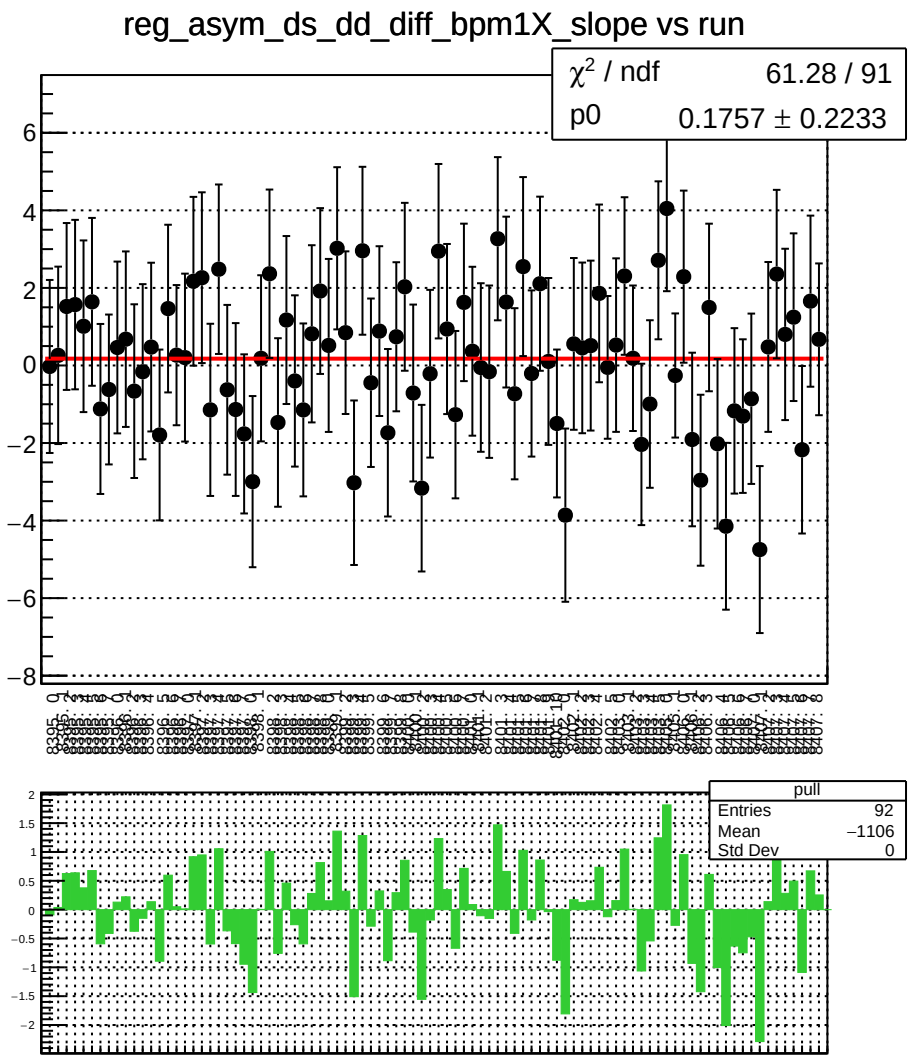

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 84.14 / 91
p0 0.2999 ± 0.2233
pull
Entries 92
Mean 4362
Std Dev 0
pull1D
Entries 92
Mean −0.0004296
Std Dev 0.9564

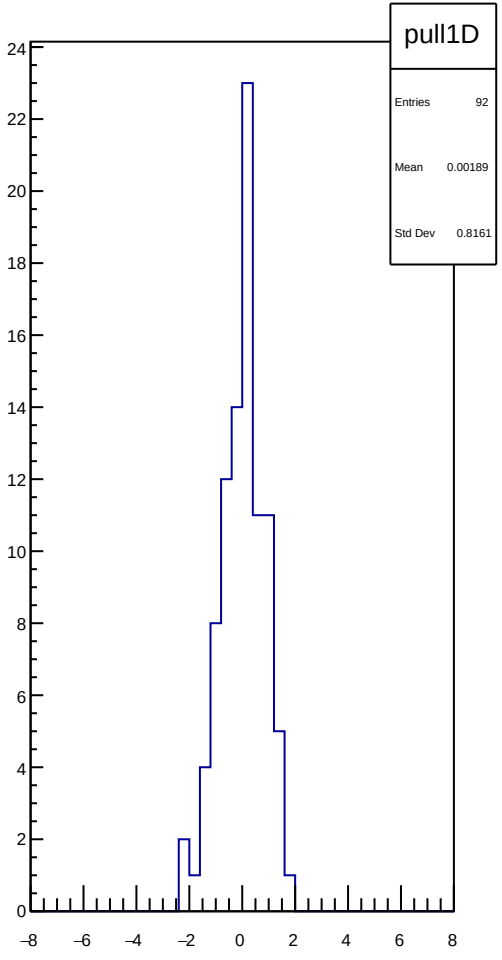

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 100.5 / 91
p0 −0.01052 ± 0.4067
pull
Entries 92
Mean −84.79
Std Dev 0
pull1D
Entries 92
Mean −0.005911
Std Dev 1.045

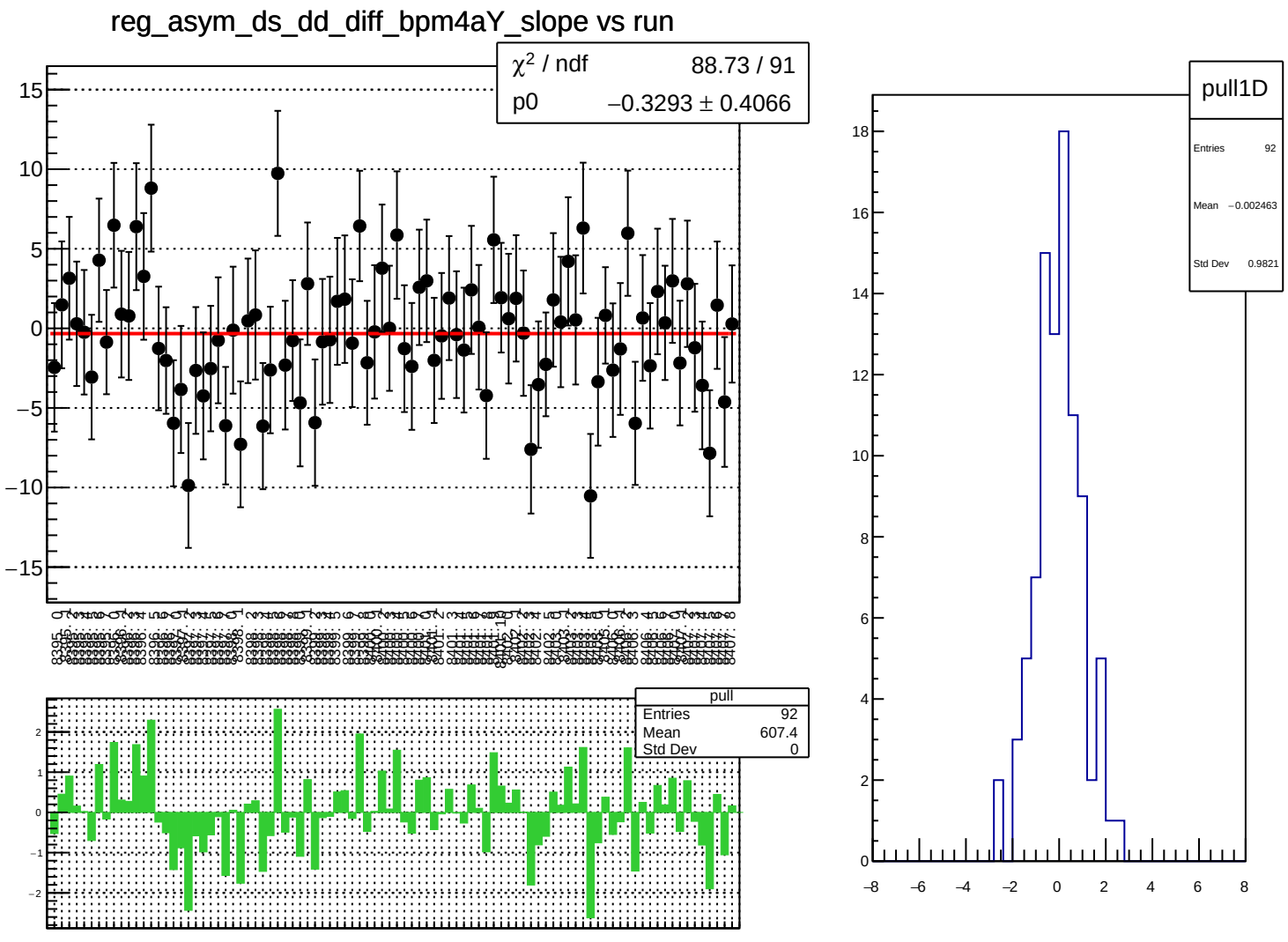

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.78 / 91
p0 −0.3347 ± 0.2496
pull
Entries 92
Mean 935.2
Std Dev 0
pull1D
Entries 92
Mean 0.002679
Std Dev 0.9312

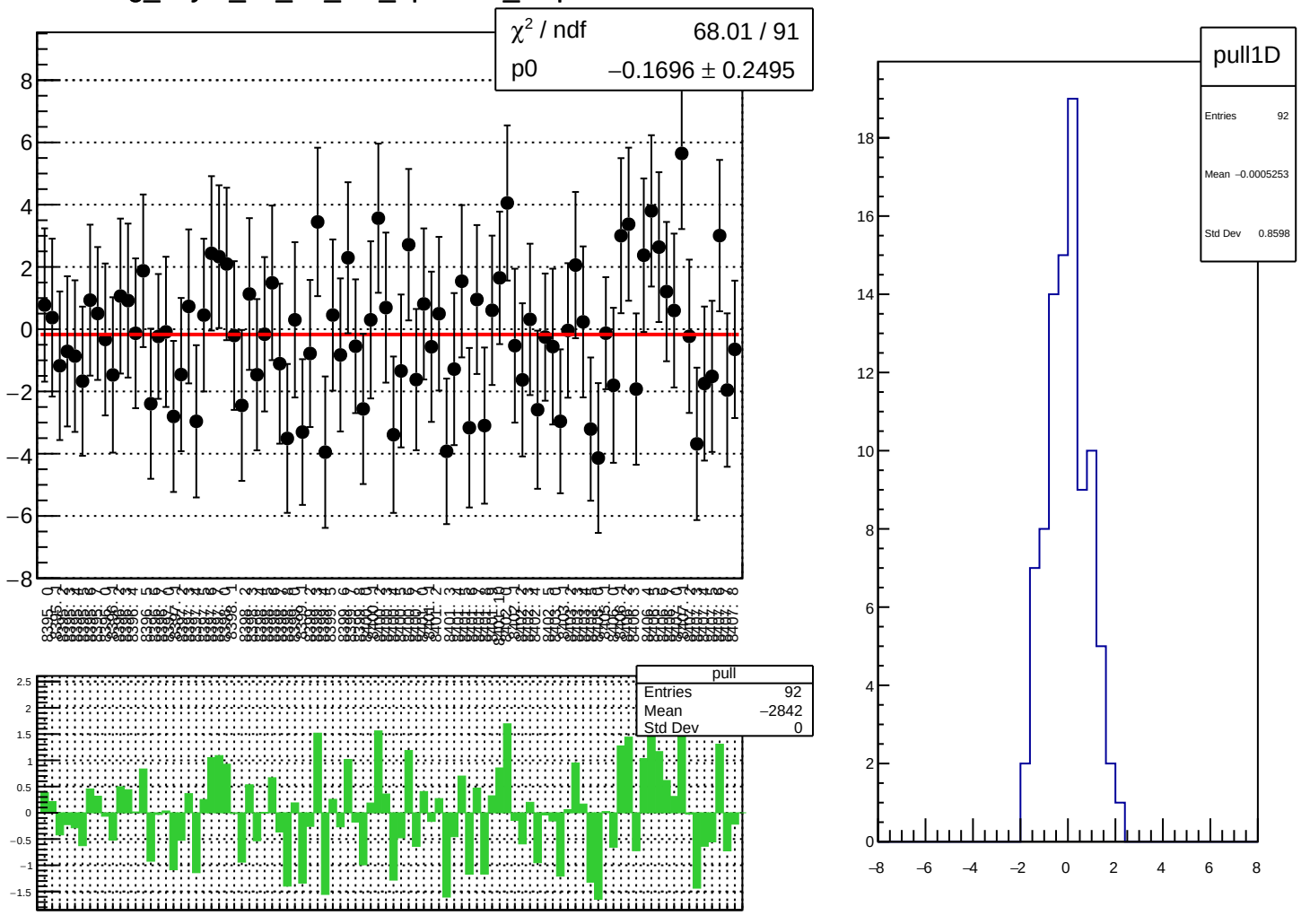

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 99.35 / 91
p0 0.04278 ± 0.425
pull
Entries 92
Mean −95.25
Std Dev 0
pull1D
Entries 92
Mean 0.00674
Std Dev 1.039

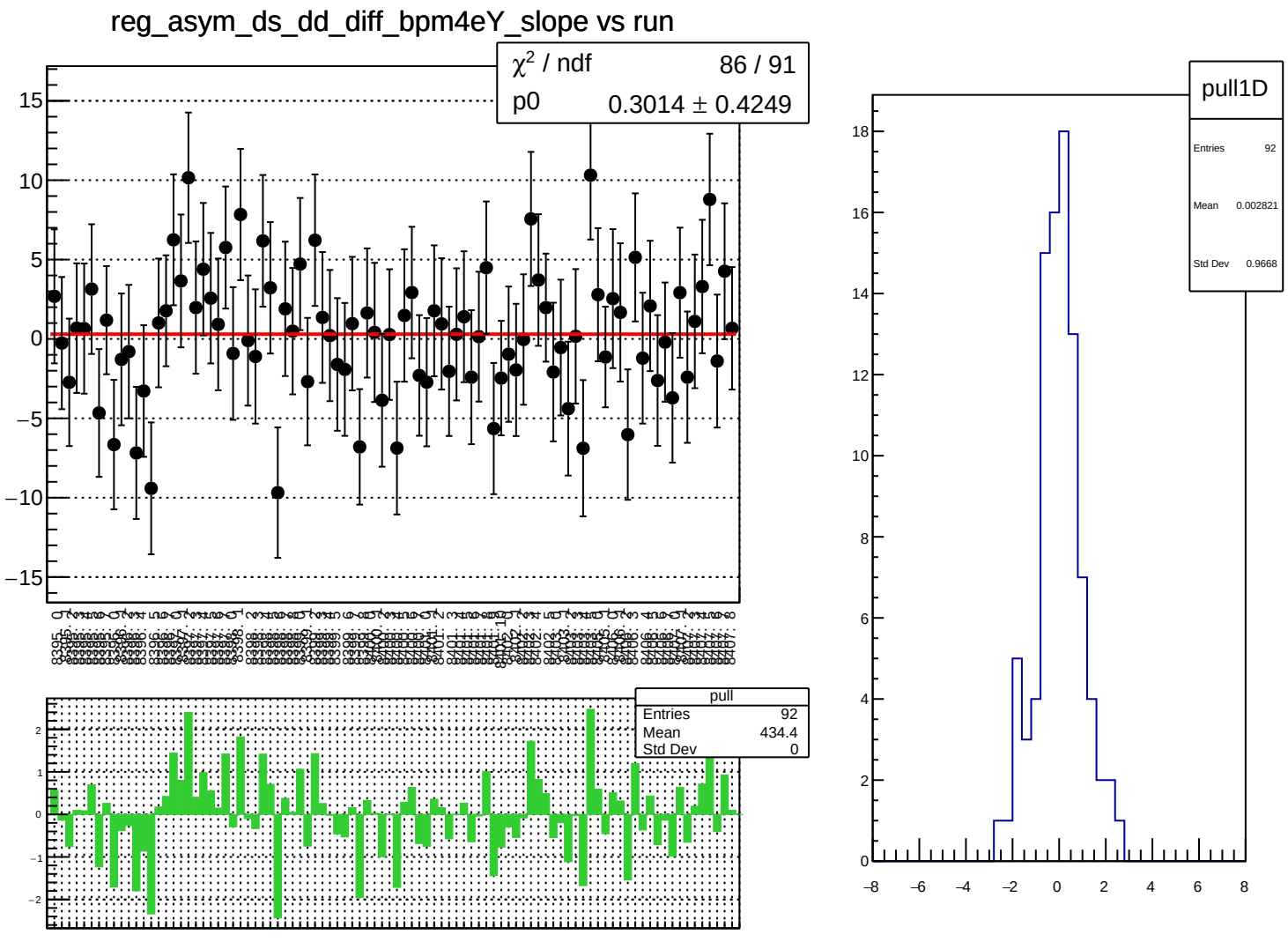

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 117.3 / 91
p0 −0.0107 ± 0.02617
pull
Entries 92
Mean 279
Std Dev 0
pull1D
Entries 92
Mean 0.01498
Std Dev 1.129

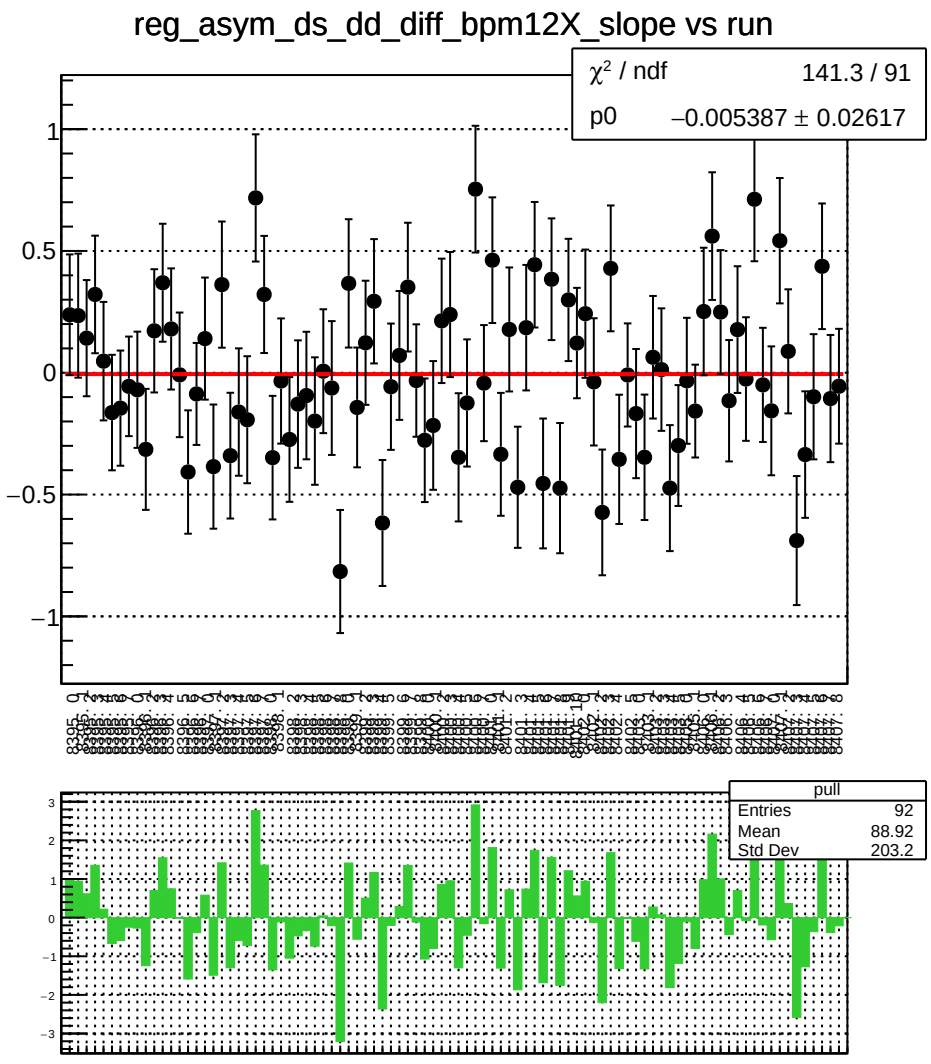

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 61.28 / 91
p0 0.1757 ± 0.2233
pull
Entries 92
Mean −1106
Std Dev 0

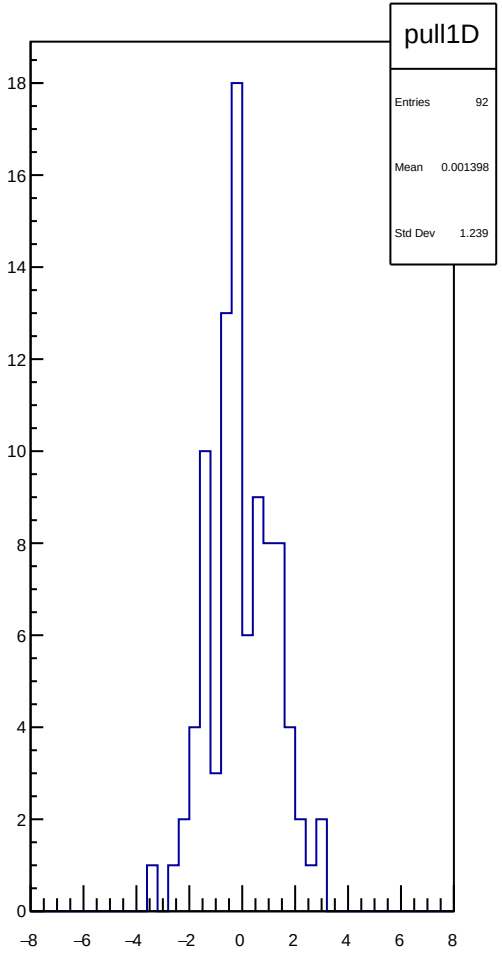

pull1D
Entries 92
Mean 0.00189
Std Dev 0.8161

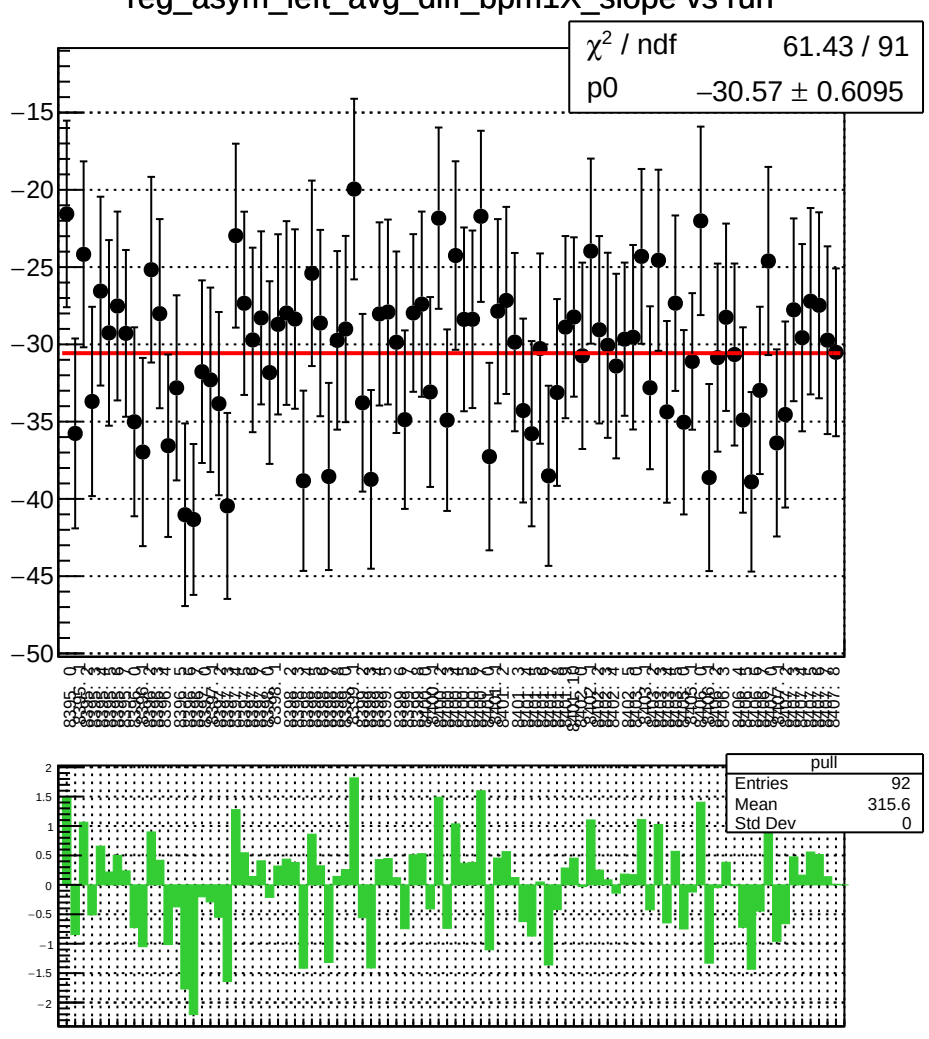

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.73 / 91
p0 −0.3293 ± 0.4066
pull
Entries 92
Mean 607.4
Std Dev 0
pull1D
Entries 92
Mean −0.002463
Std Dev 0.9821

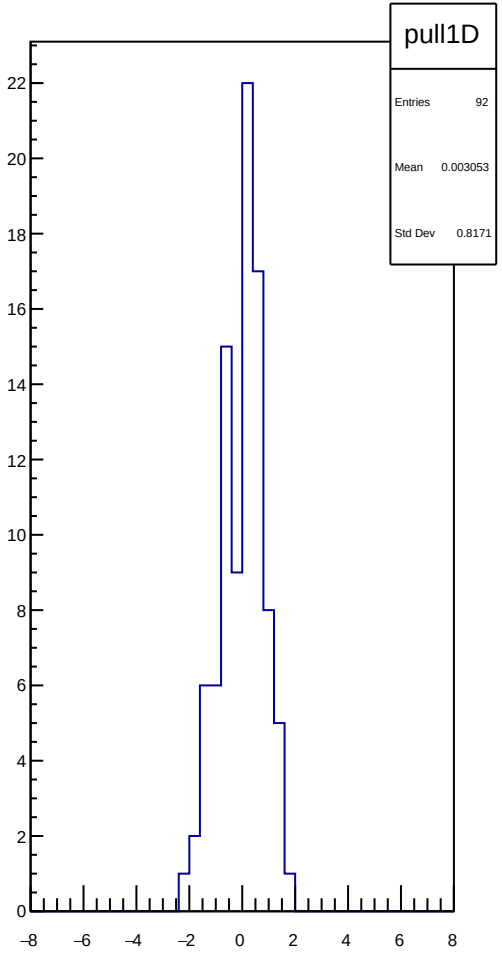

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.01 / 91
p0 −0.1696 ± 0.2495
pull
Entries 92
Mean −2842
Std Dev 0
pull1D
Entries 92
Mean −0.0005253
Std Dev 0.8598

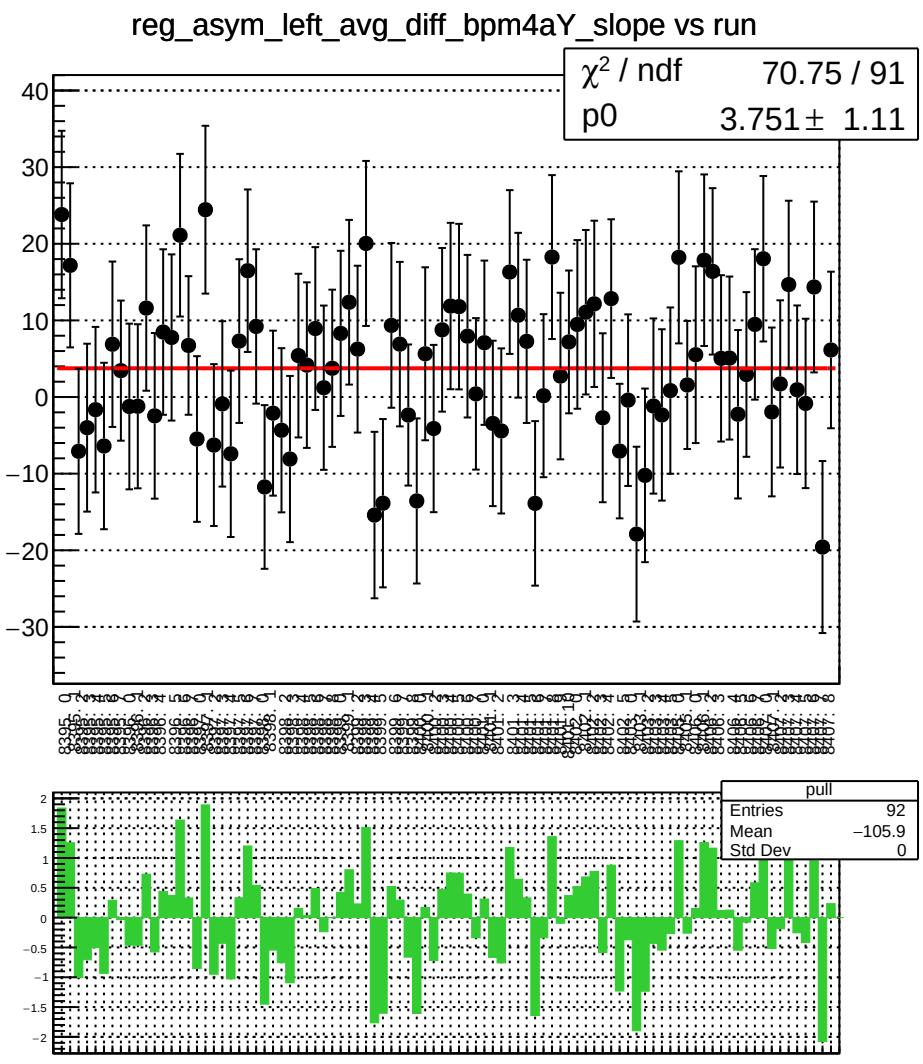

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 86 / 91
p0 0.3014 ± 0.4249
pull
Entries 92
Mean 434.4
Std Dev 0
pull1D
Entries 92
Mean 0.002821
Std Dev 0.9668

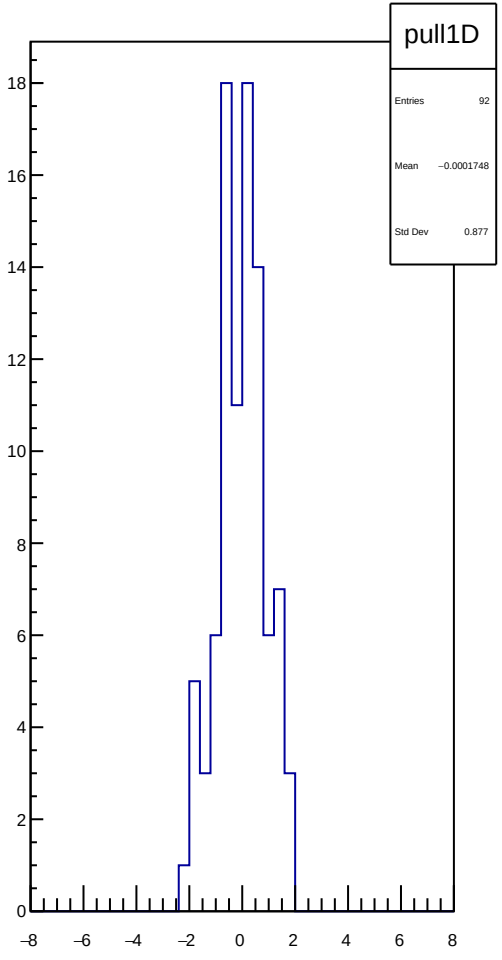

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 141.3 / 91
p0 −0.005387 ± 0.02617
pull
Entries 92
Mean 88.92
Std Dev 203.2

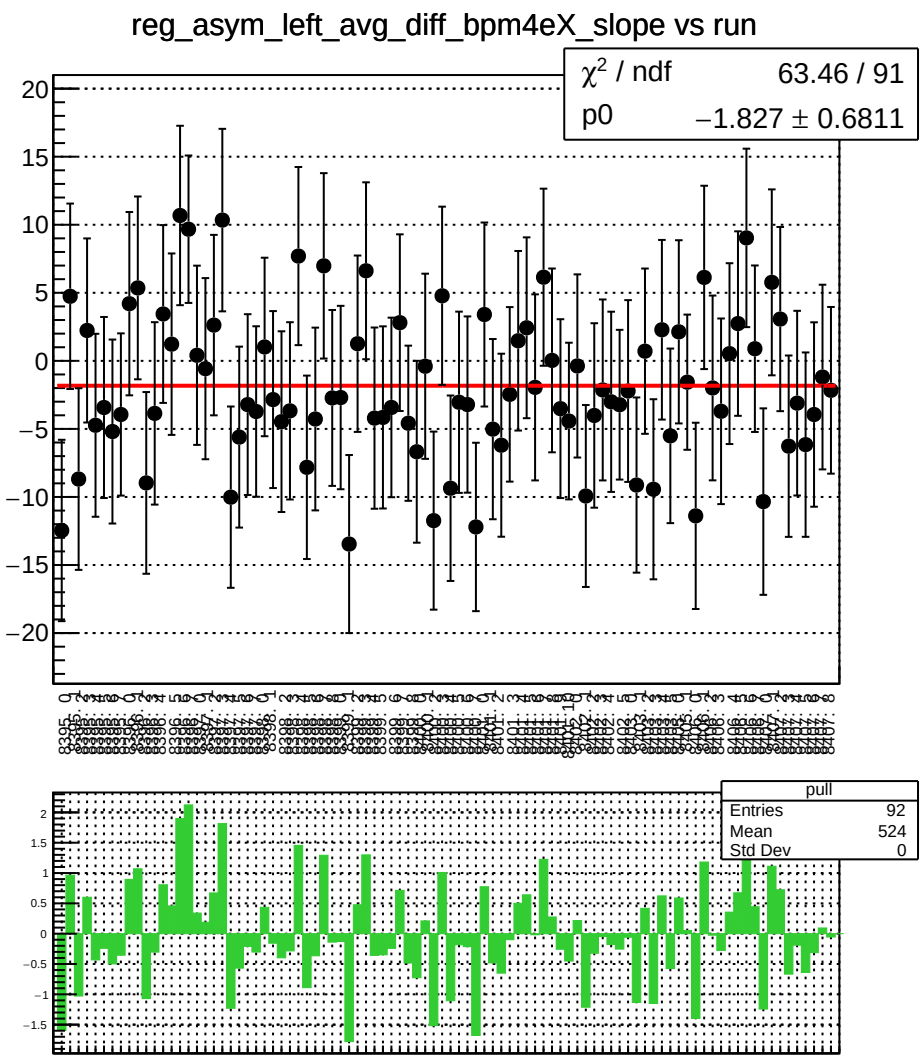

pull1D
Entries 92
Mean 0.001398
Std Dev 1.239

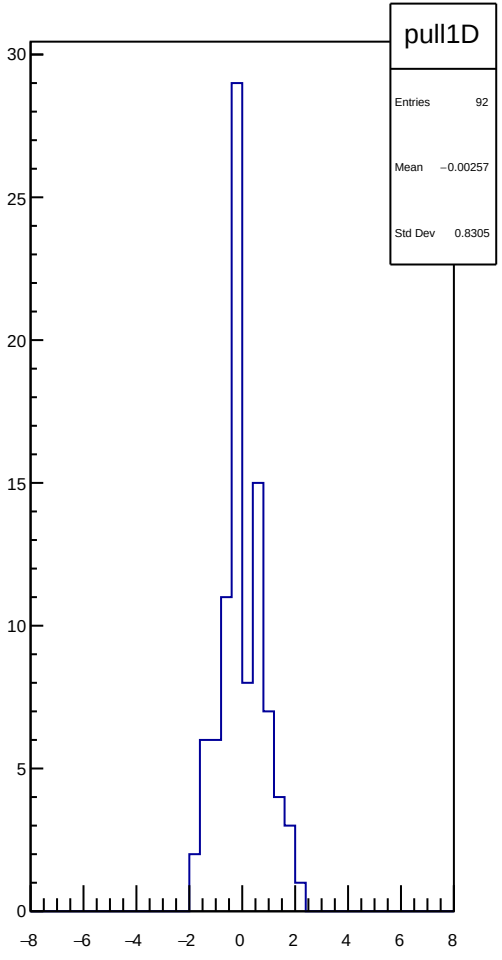

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 61.43 / 91
p0 −30.57 ± 0.6095
pull
Entries 92
Mean 315.6
Std Dev 0

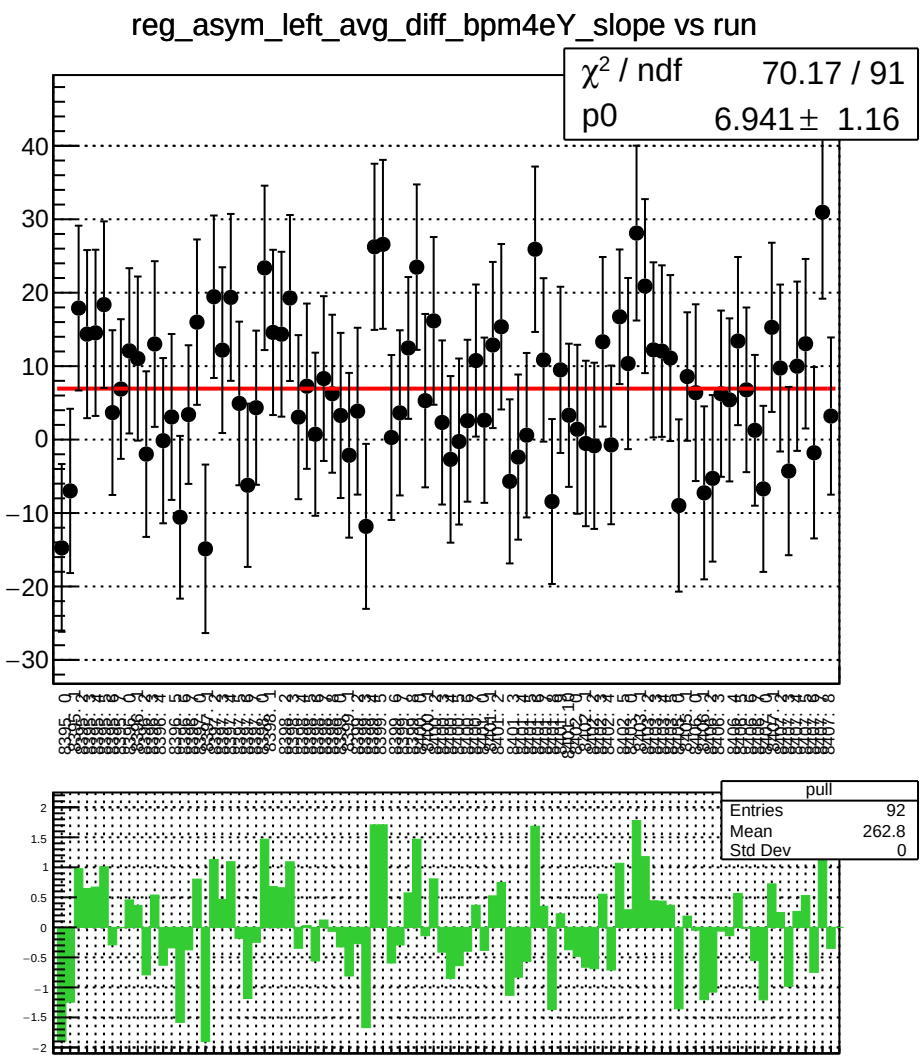

pull1D
Entries 92
Mean 0.003053
Std Dev 0.8171

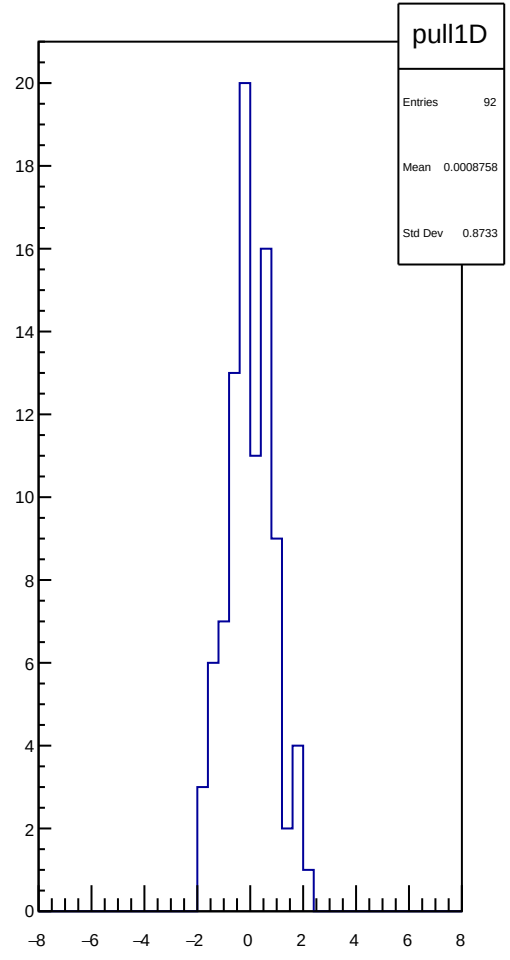

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 70.75 / 91
p0 3.751 ± 1.11
pull
Entries 92
Mean −105.9
Std Dev 0

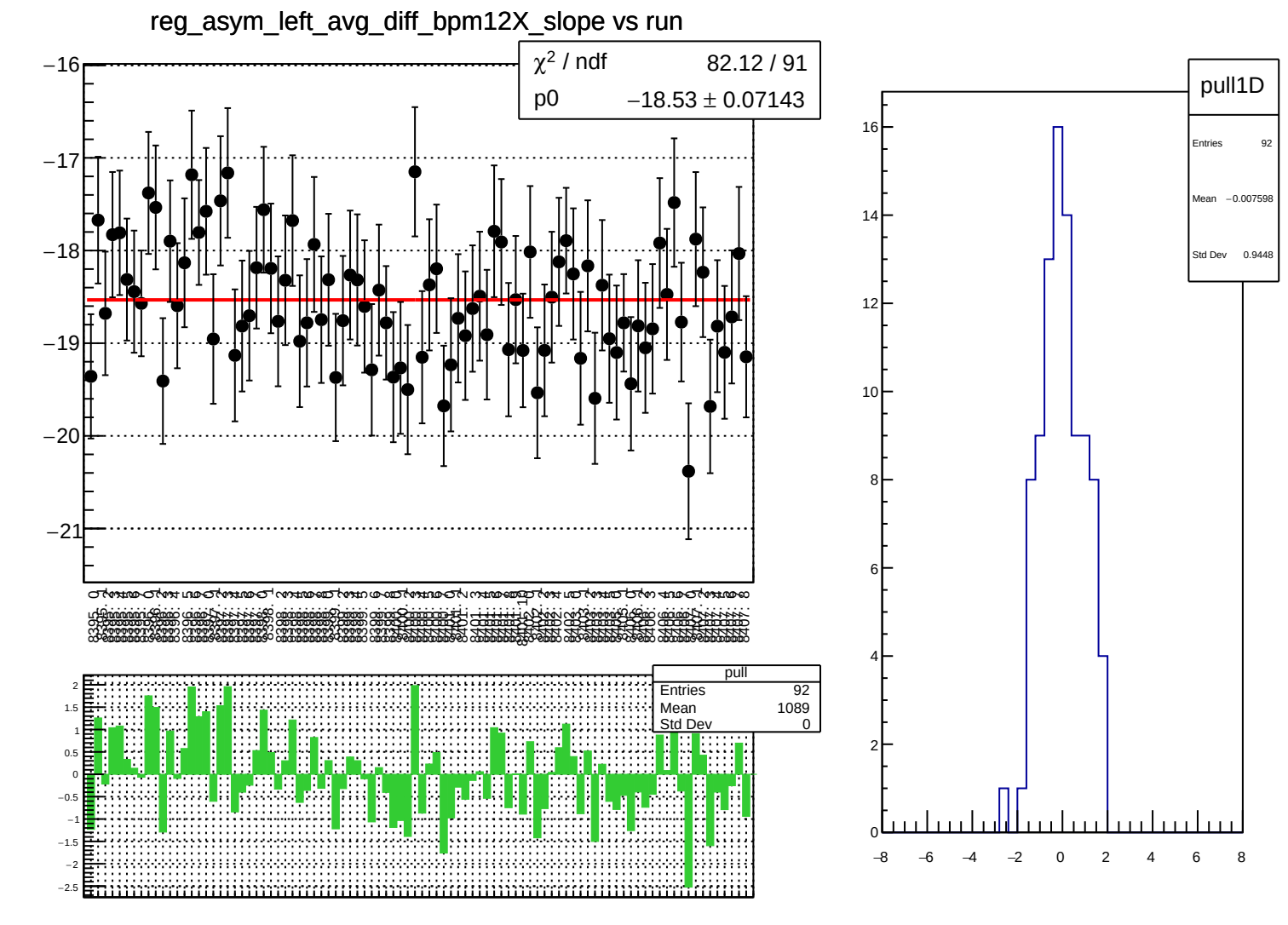

pull1D
Entries 92
Mean −0.0001748
Std Dev 0.877

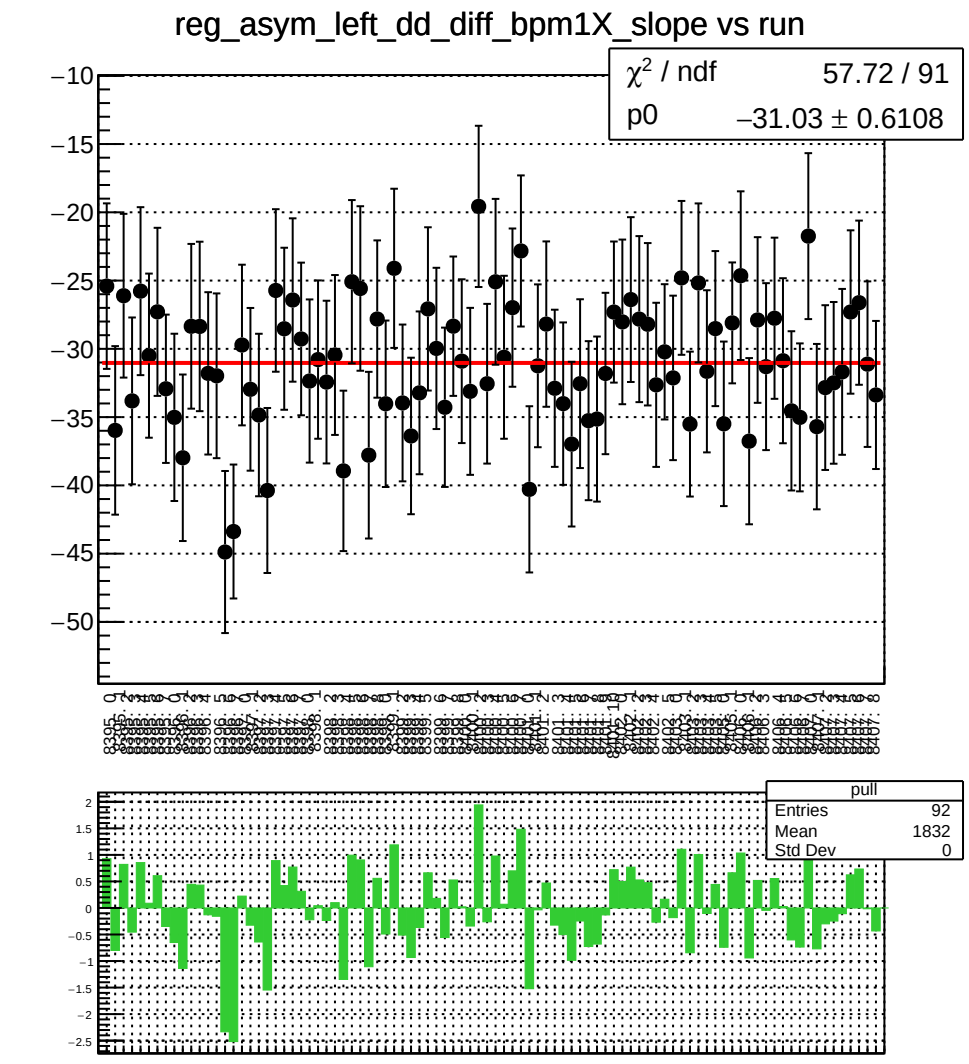

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.46 / 91
p0 −1.827 ± 0.6811
pull
Entries 92
Mean 524
Std Dev 0

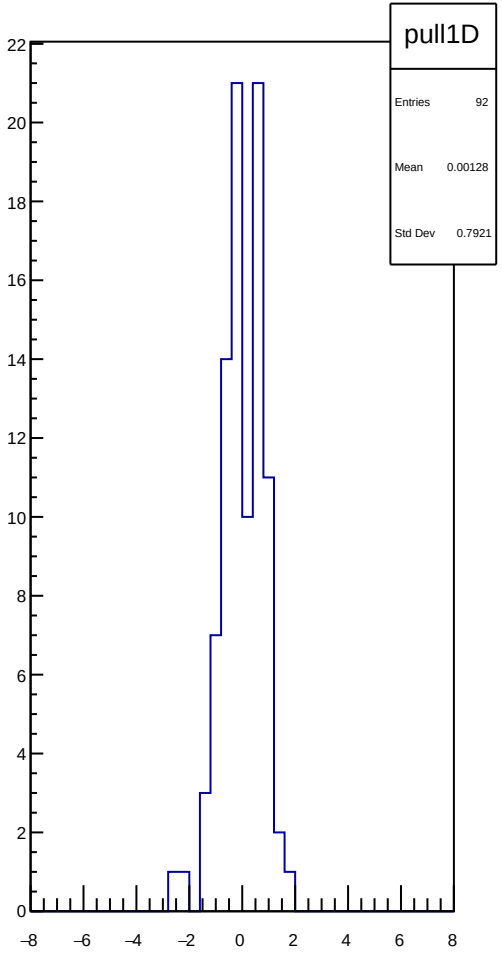

pull1D
Entries 92
Mean −0.00257
Std Dev 0.8305

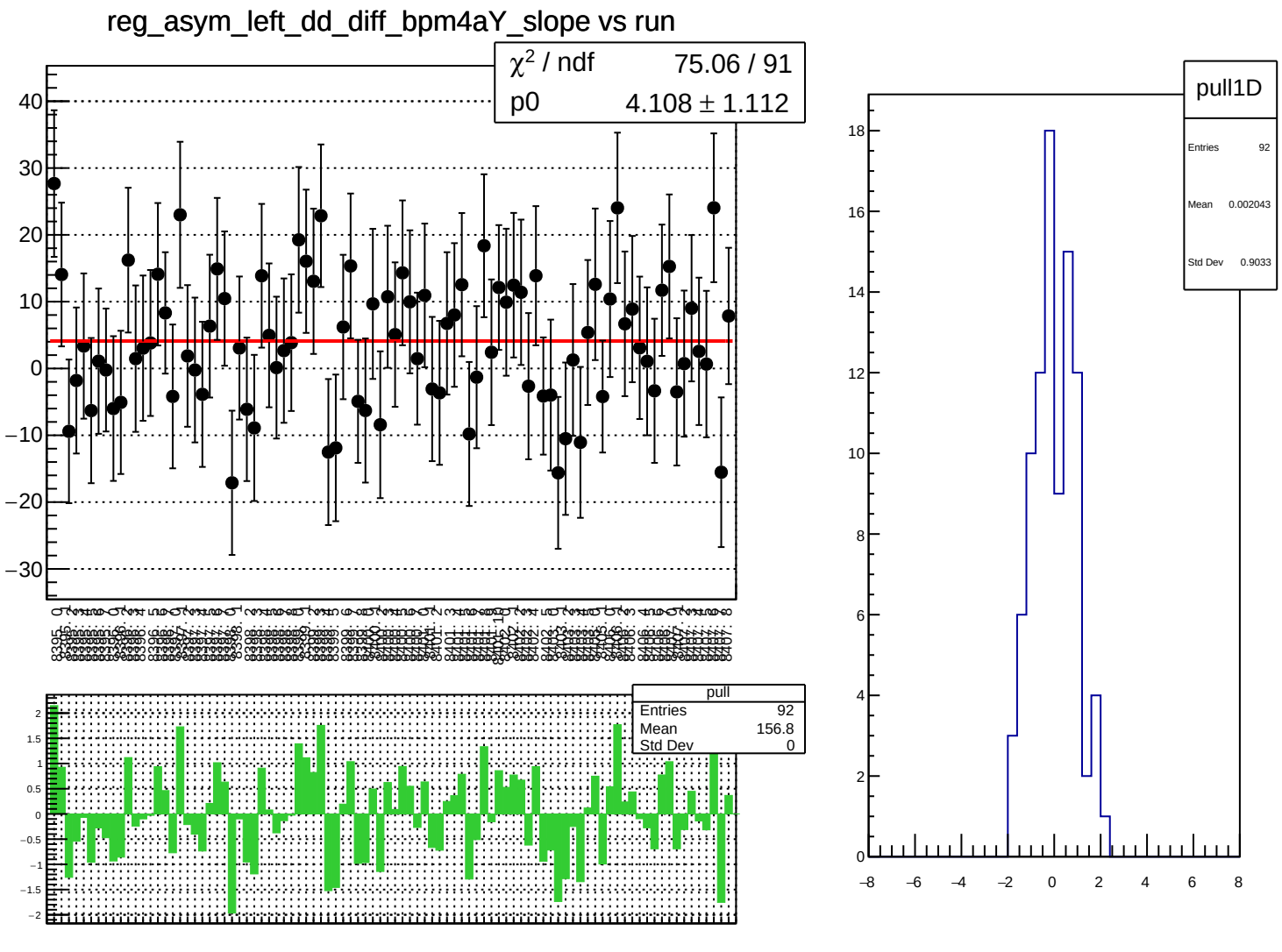

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 70.17 / 91
p0 6.941 ± 1.16
pull
Entries 92
Mean 262.8
Std Dev 0

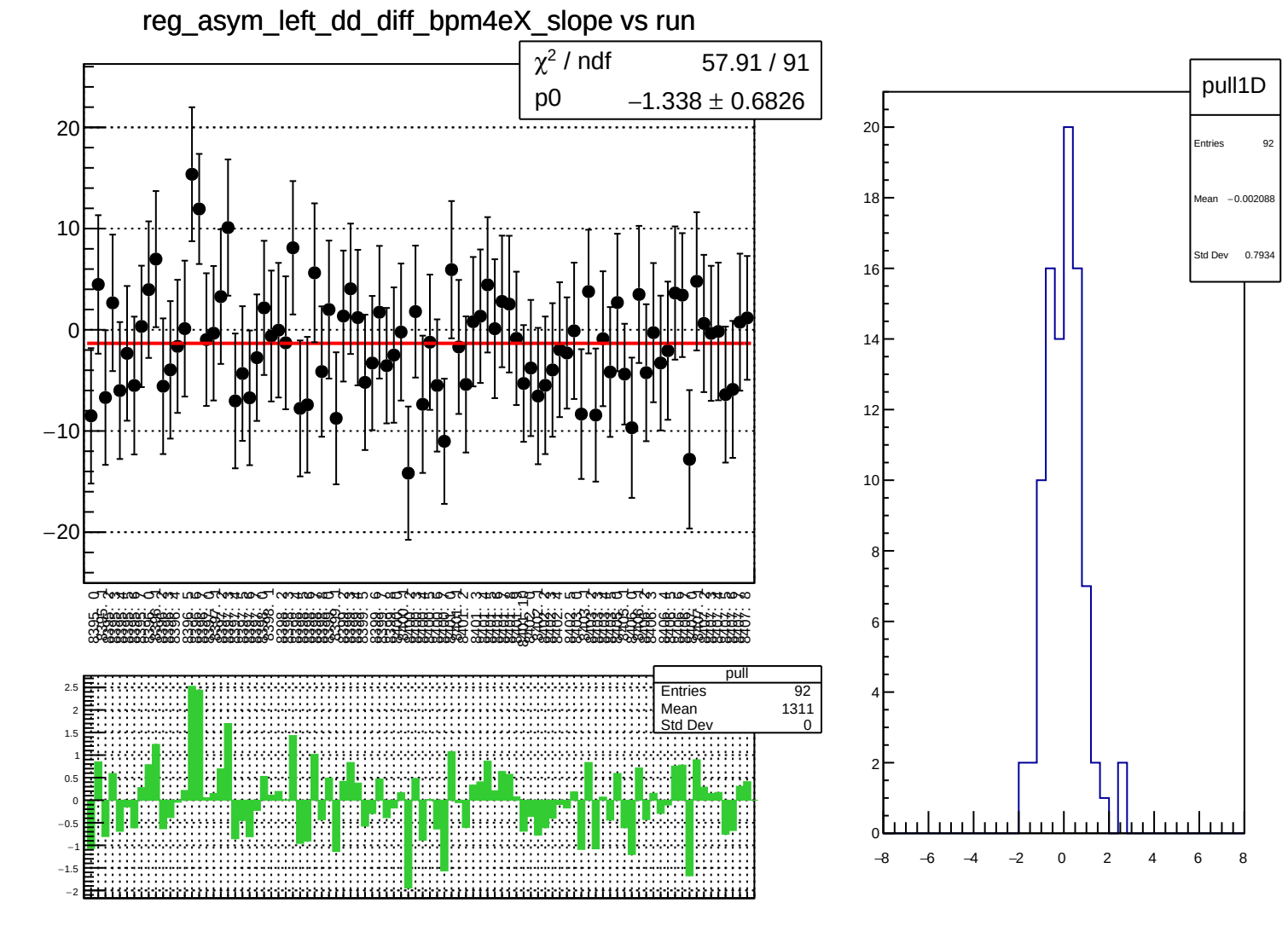

pull1D
Entries 92
Mean 0.0008758
Std Dev 0.8733

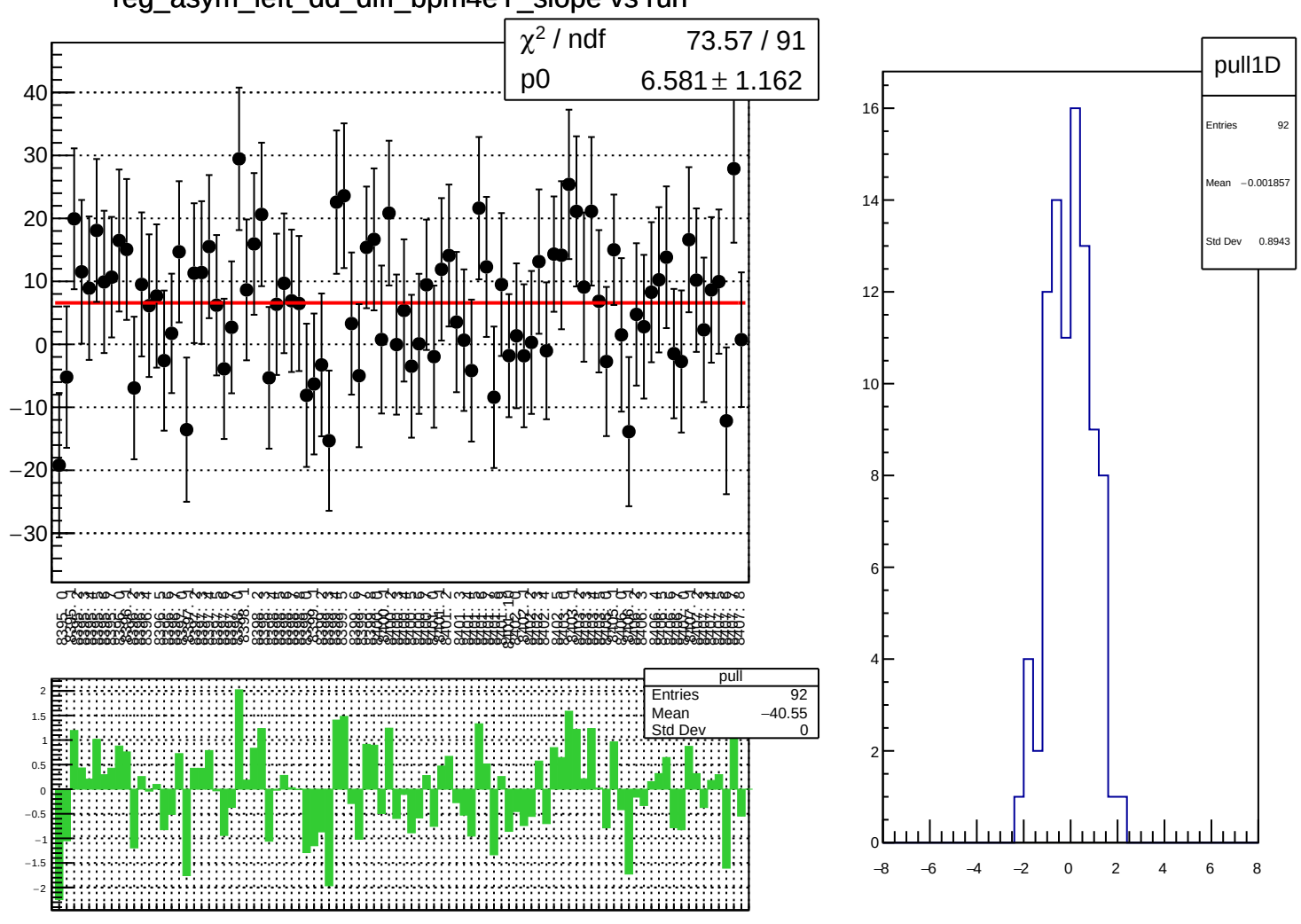

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 82.12 / 91
p0 −18.53 ± 0.07143
pull
Entries 92
Mean 1089
Std Dev 0
pull1D
Entries 92
Mean −0.007598
Std Dev 0.9448

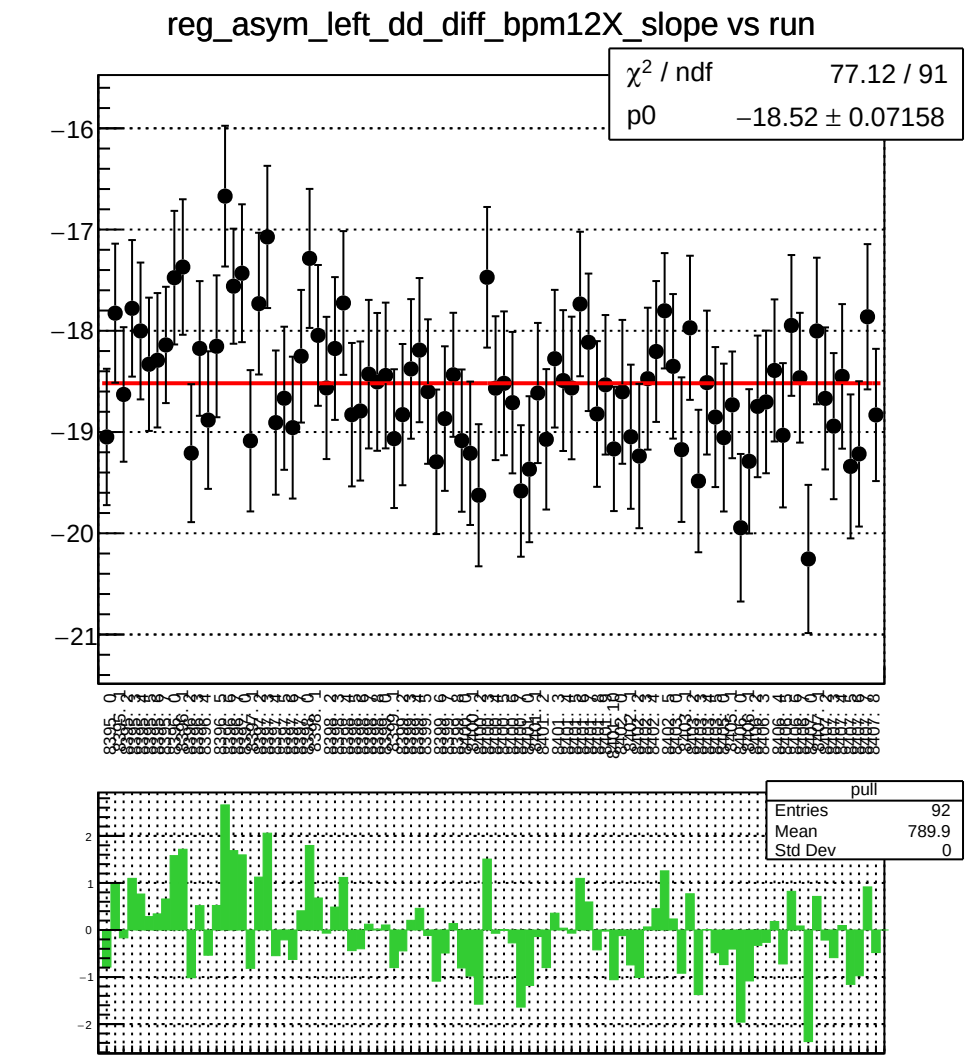

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 57.72 / 91
p0 −31.03 ± 0.6108
pull
Entries 92
Mean 1832
Std Dev 0

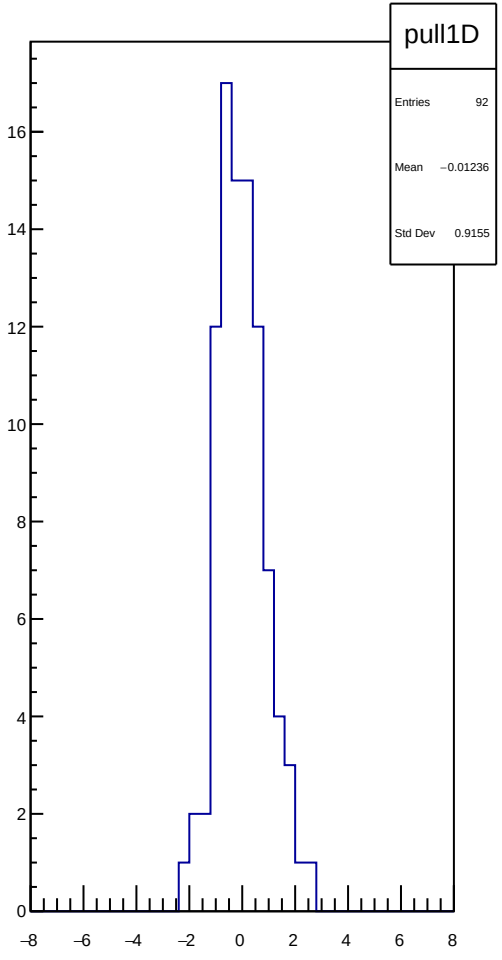

pull1D
Entries 92
Mean 0.00128
Std Dev 0.7921

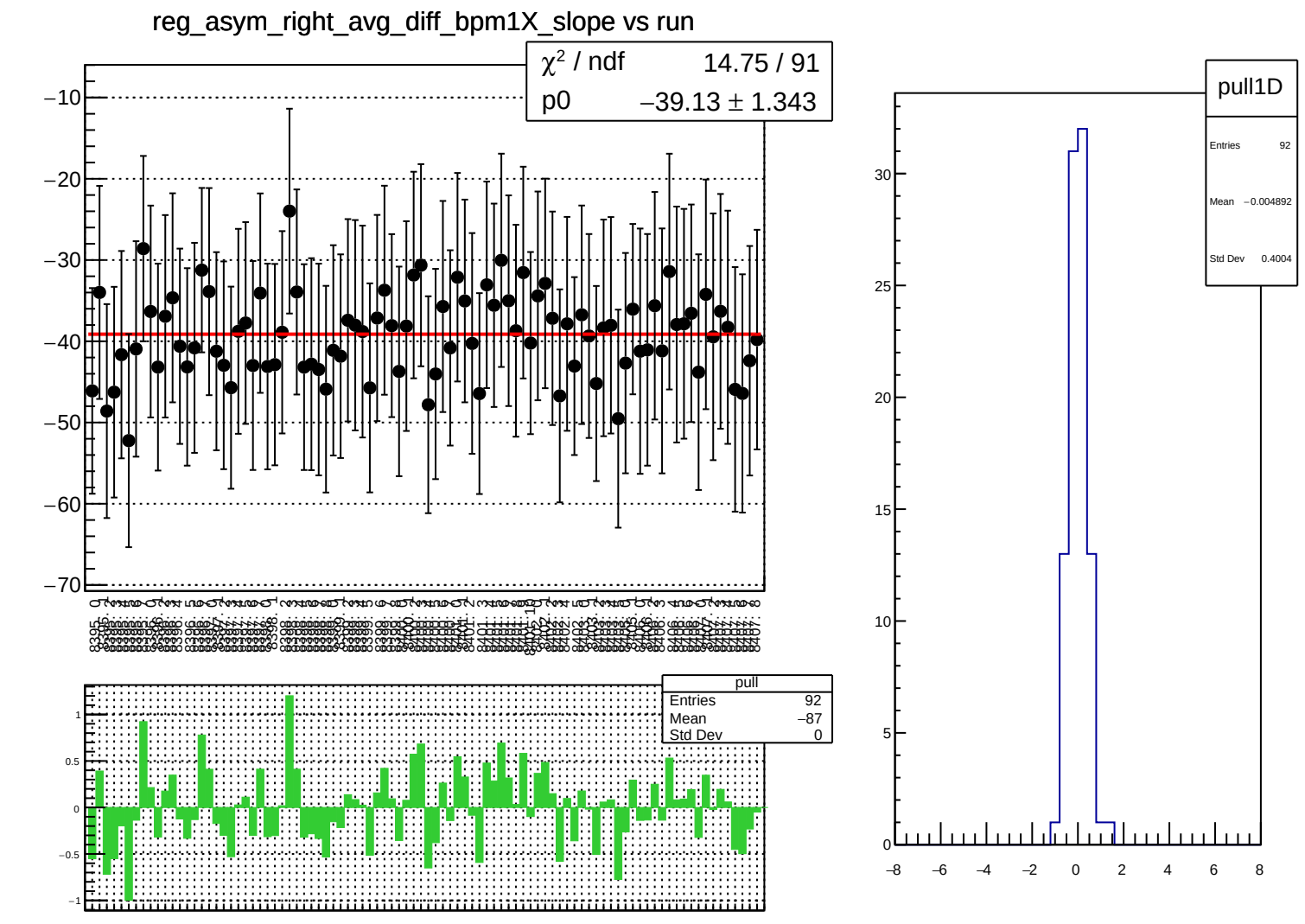

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.06 / 91
p0 4.108 ± 1.112
pull
Entries 92
Mean 156.8
Std Dev 0
pull1D
Entries 92
Mean 0.002043
Std Dev 0.9033

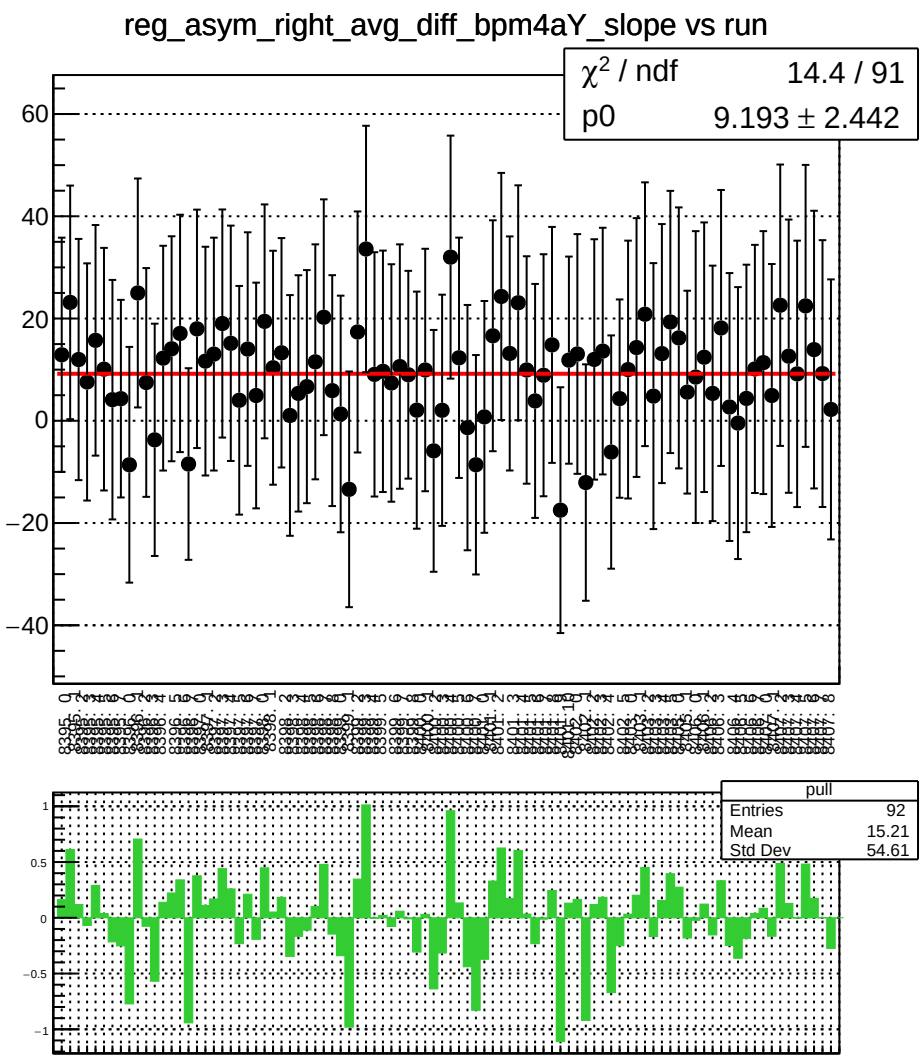

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.91 / 91
p0 −1.338 ± 0.6826
pull
Entries 92
Mean 1311
Std Dev 0
pull1D
Entries 92
Mean −0.002088
Std Dev 0.7934

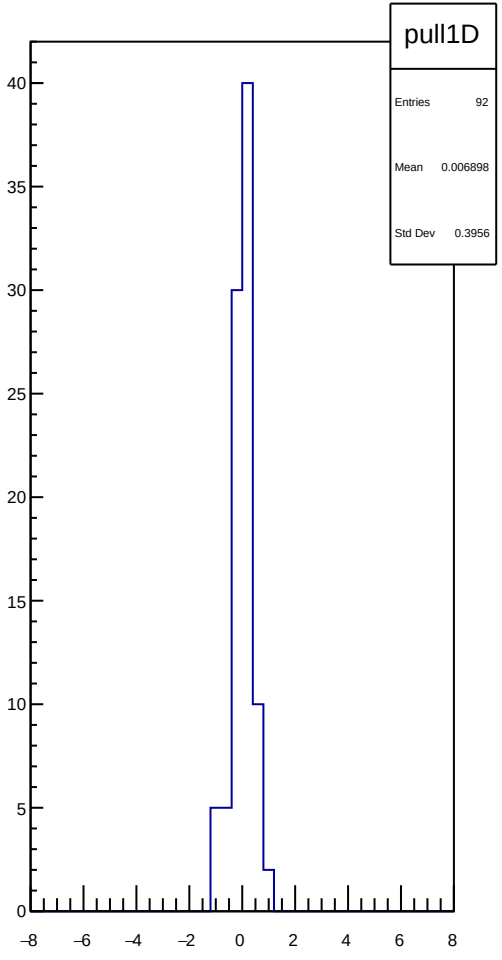

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.57 / 91
p0 6.581 ± 1.162
pull
Entries 92
Mean −40.55
Std Dev 0
pull1D
Entries 92
Mean −0.001857
Std Dev 0.8943

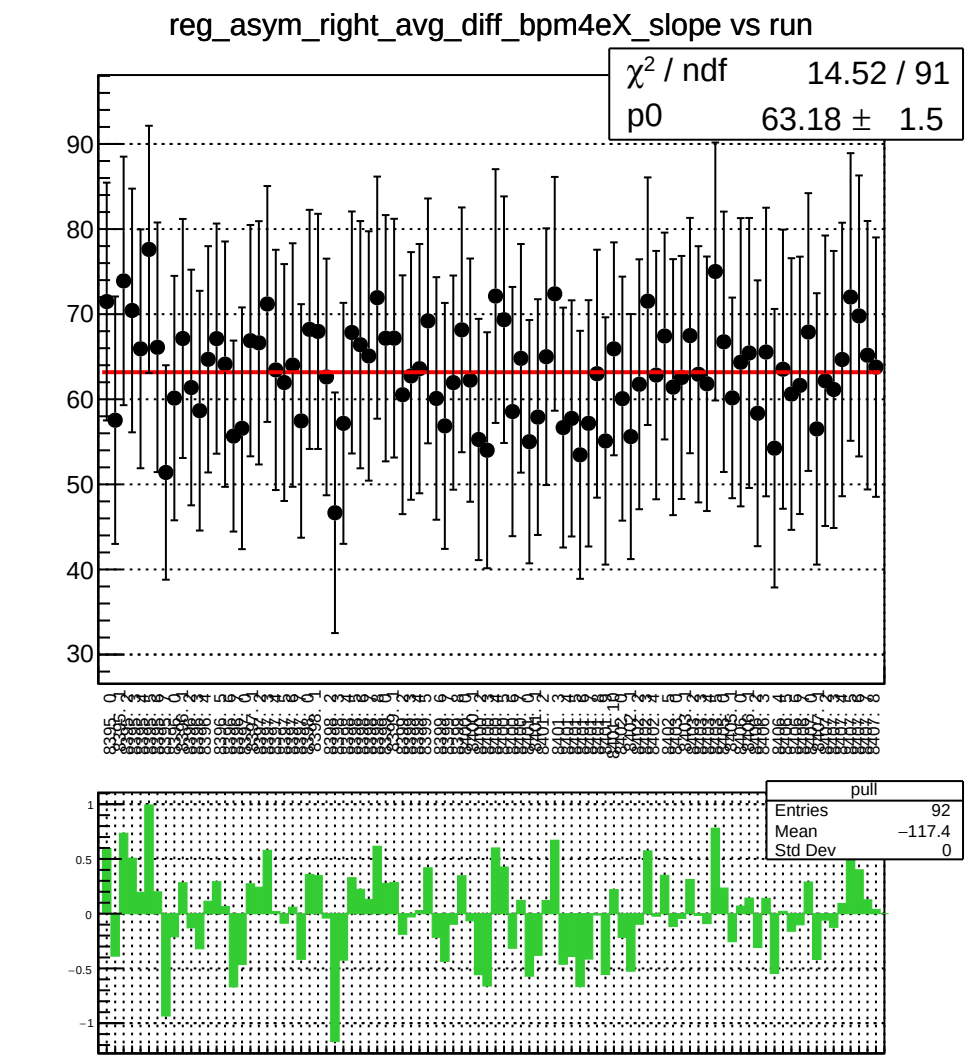

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 77.12 / 91
p0 −18.52 ± 0.07158
pull
Entries 92
Mean 789.9
Std Dev 0

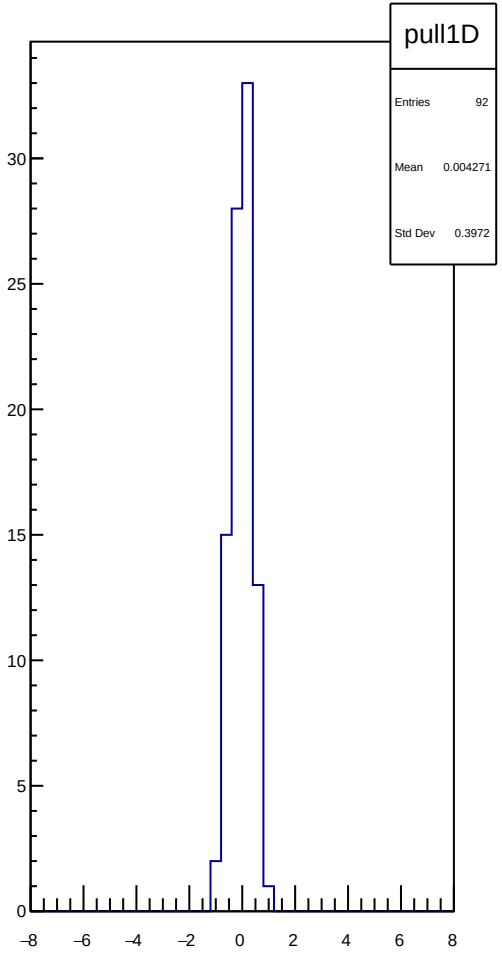

pull1D
Entries 92
Mean −0.01236
Std Dev 0.9155

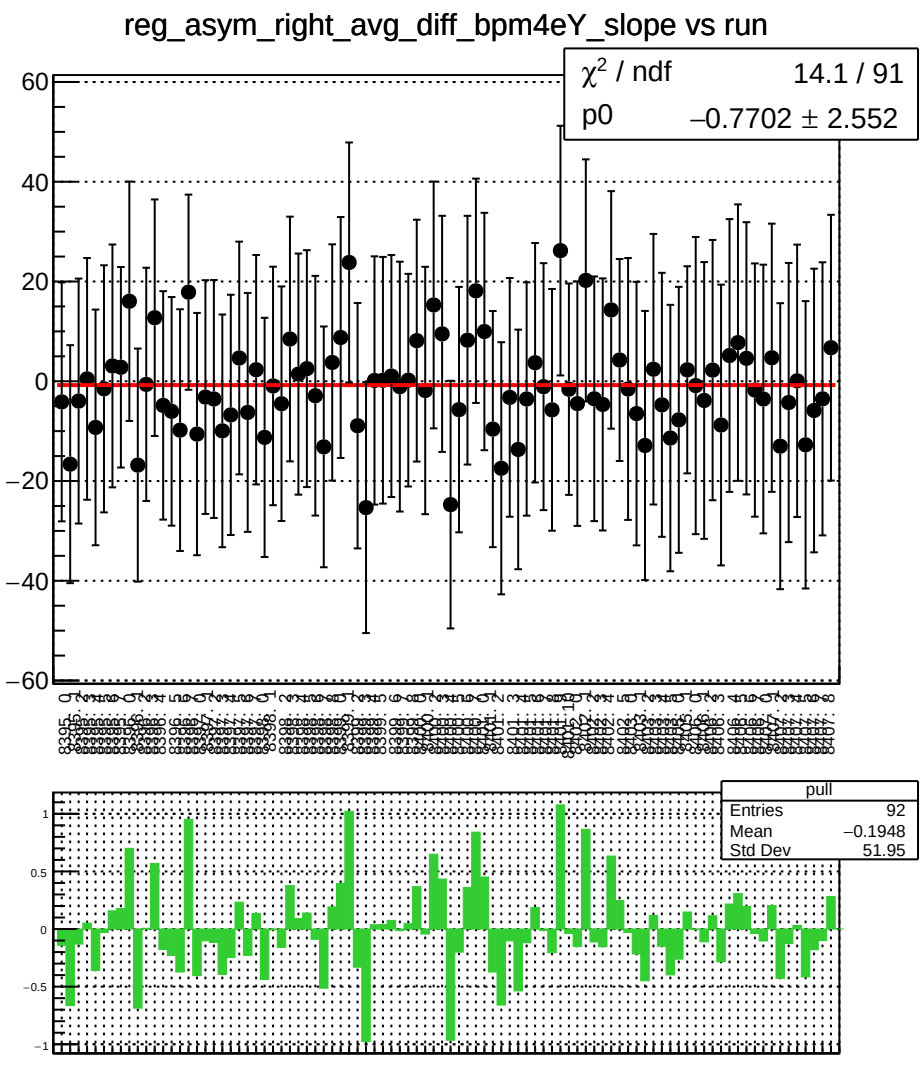

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 14.75 / 91
p0 −39.13 ± 1.343
pull
Entries 92
Mean −87
Std Dev 0
pull1D
Entries 92
Mean −0.004892
Std Dev 0.4004

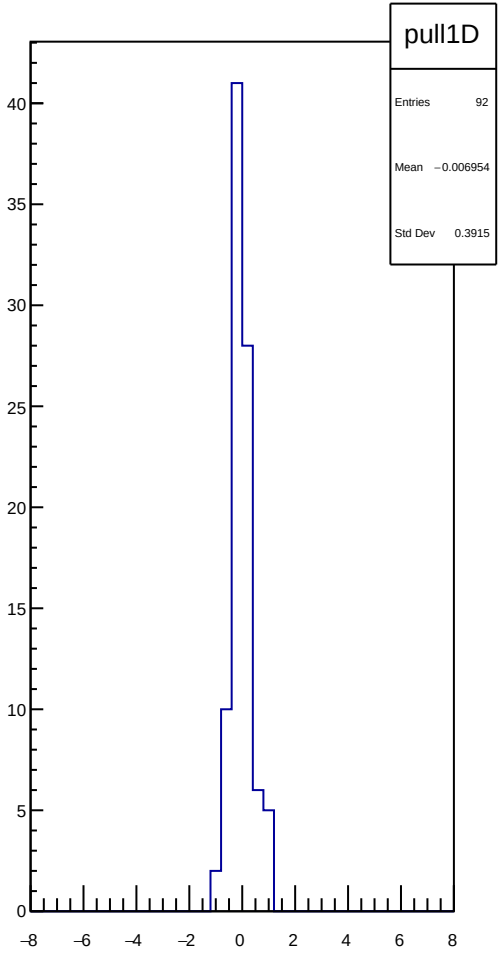

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.4 / 91
p0 9.193 ± 2.442
pull
Entries 92
Mean 15.21
Std Dev 54.61

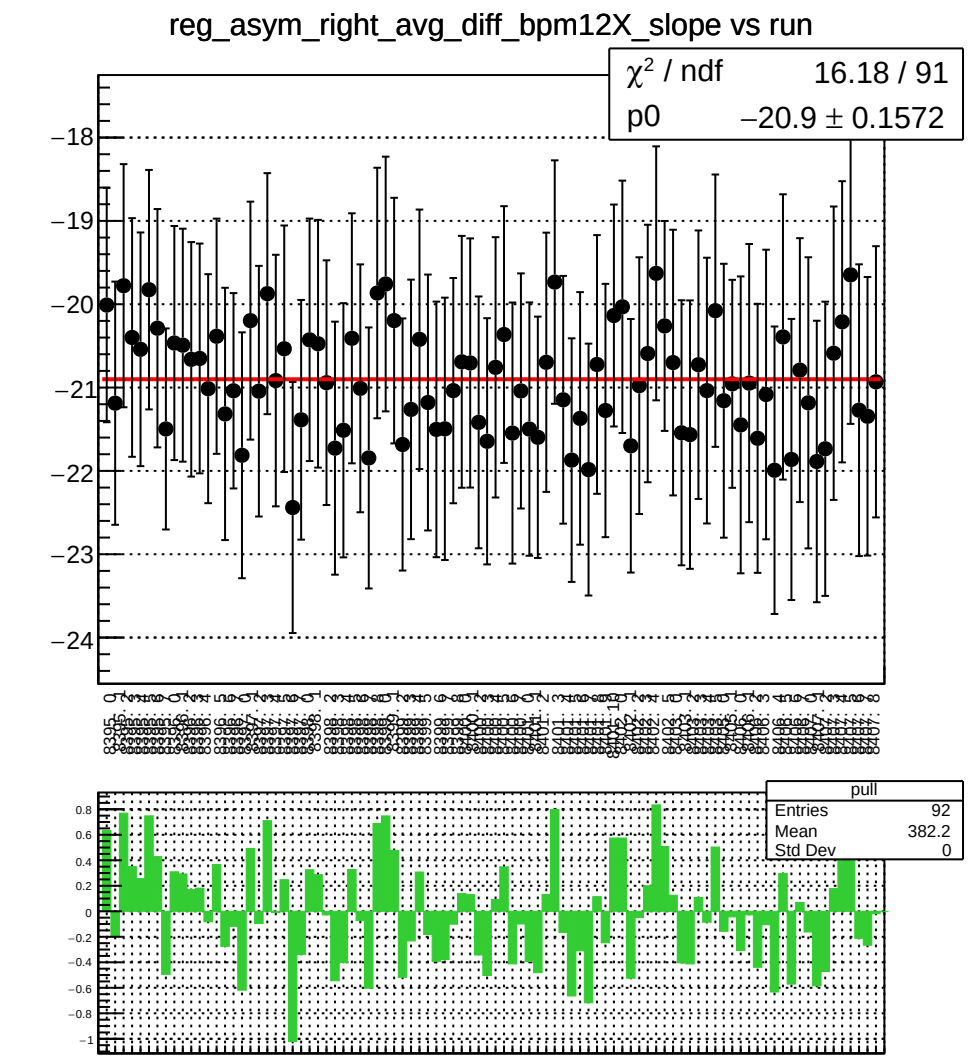

pull1D
Entries 92
Mean 0.006898
Std Dev 0.3956

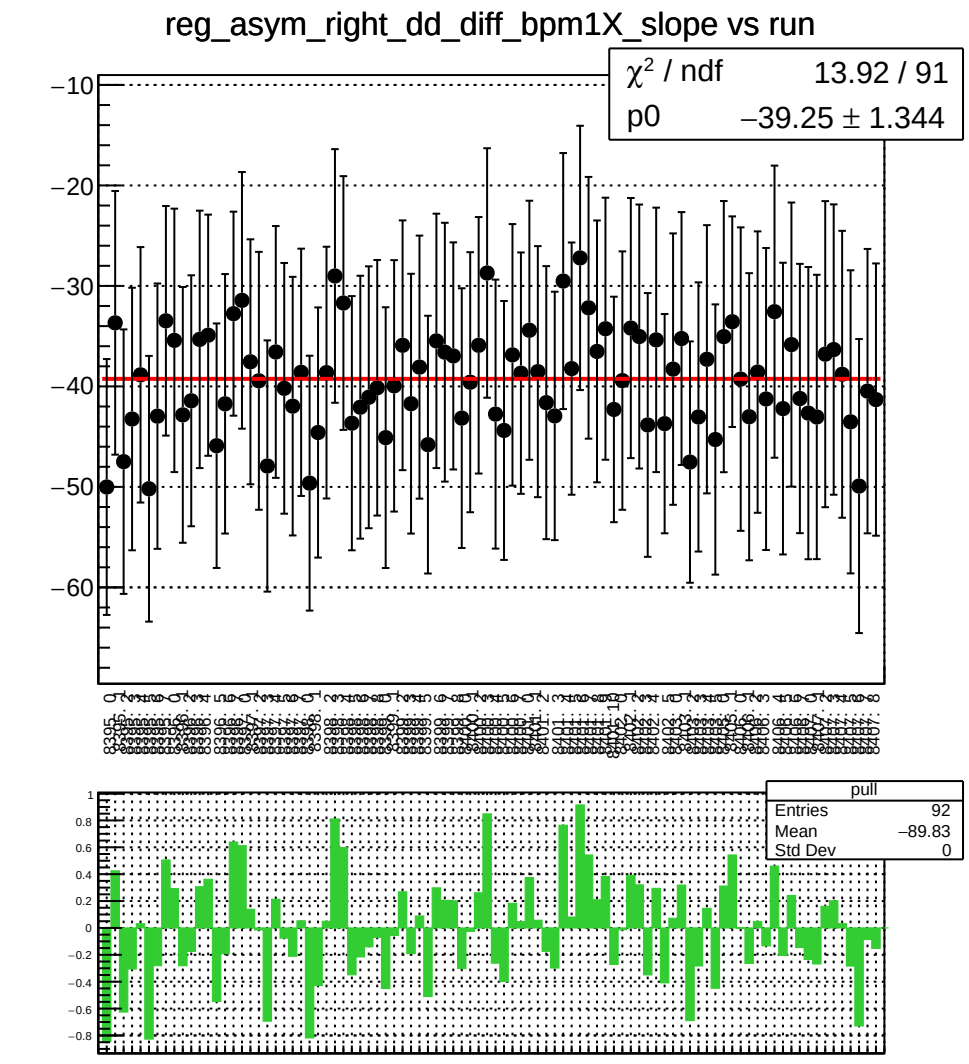

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.52 / 91
p0 63.18 ± 1.5
pull
Entries 92
Mean −117.4
Std Dev 0

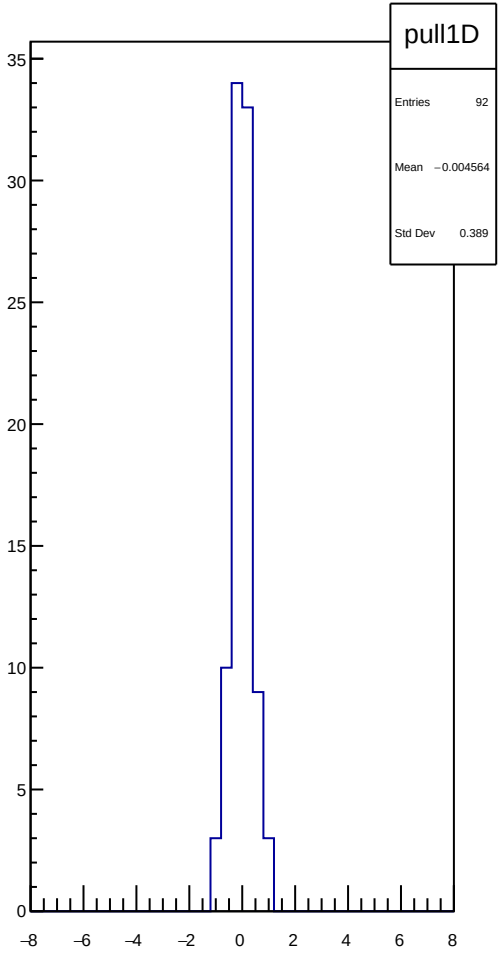

pull1D
Entries 92
Mean 0.004271
Std Dev 0.3972

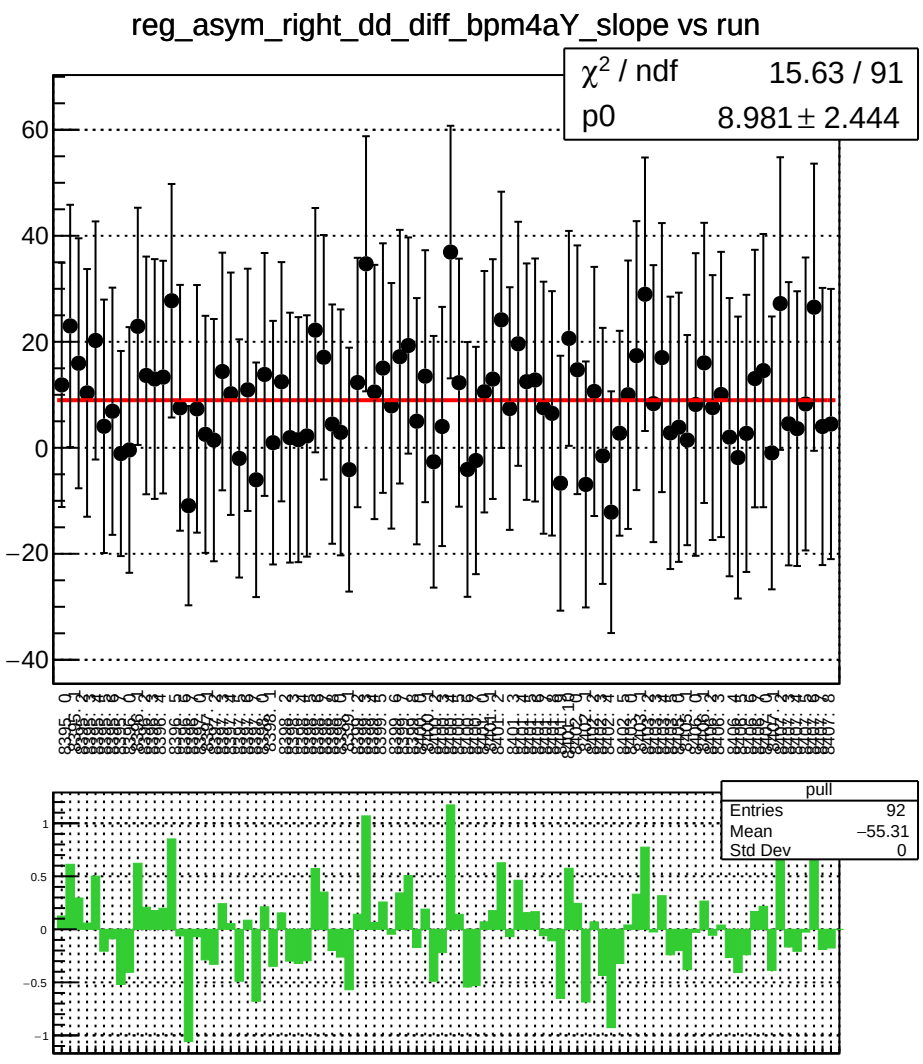

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.1 / 91
p0 −0.7702 ± 2.552
pull
Entries 92
Mean −0.1948
Std Dev 51.95

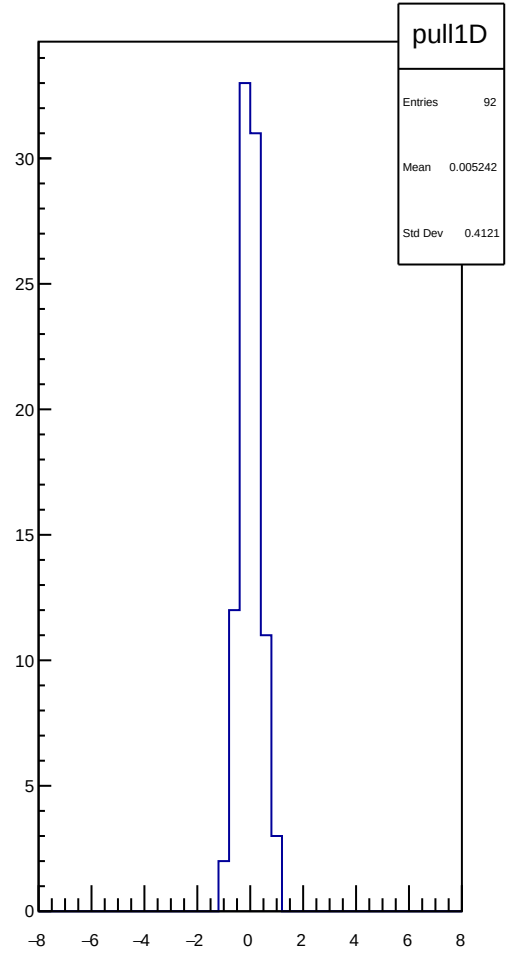

pull1D
Entries 92
Mean −0.006954
Std Dev 0.3915

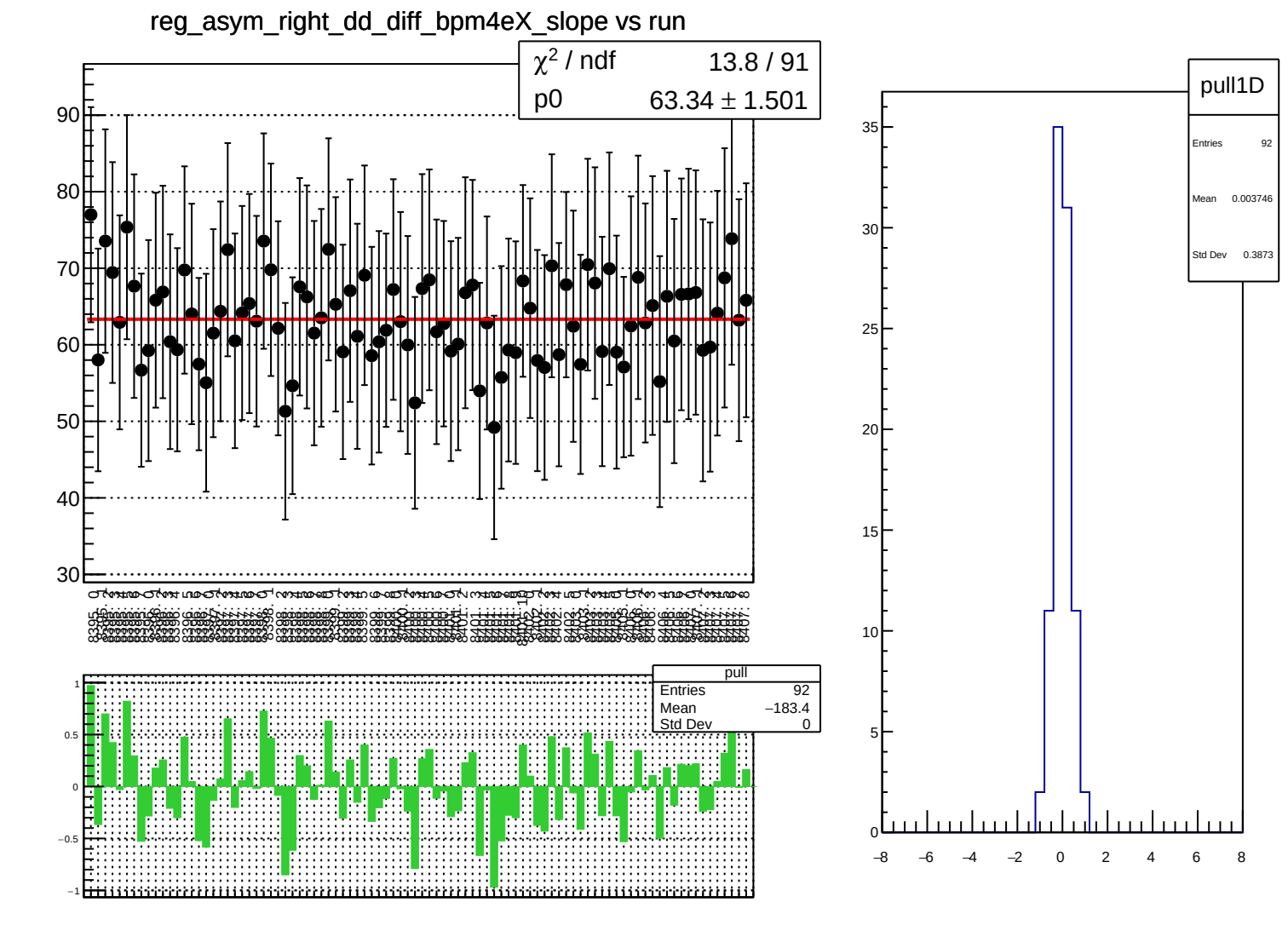

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 16.18 / 91
p0 −20.9 ± 0.1572
pull
Entries 92
Mean 382.2
Std Dev 0
pull1D
Entries 92
Mean −0.0061
Std Dev 0.4194

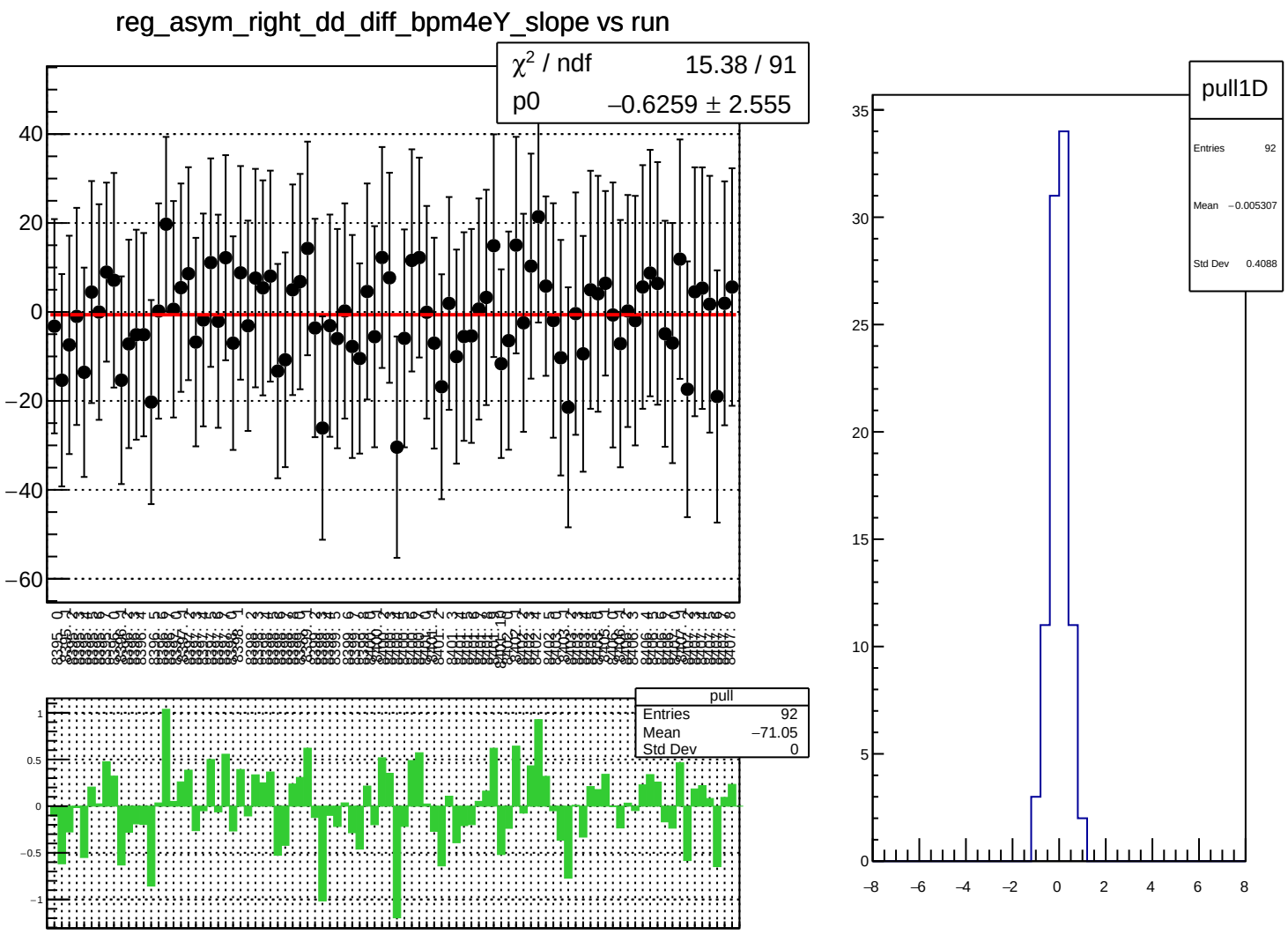

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 13.92 / 91
p0 −39.25 ± 1.344
pull
Entries 92
Mean −89.83
Std Dev 0

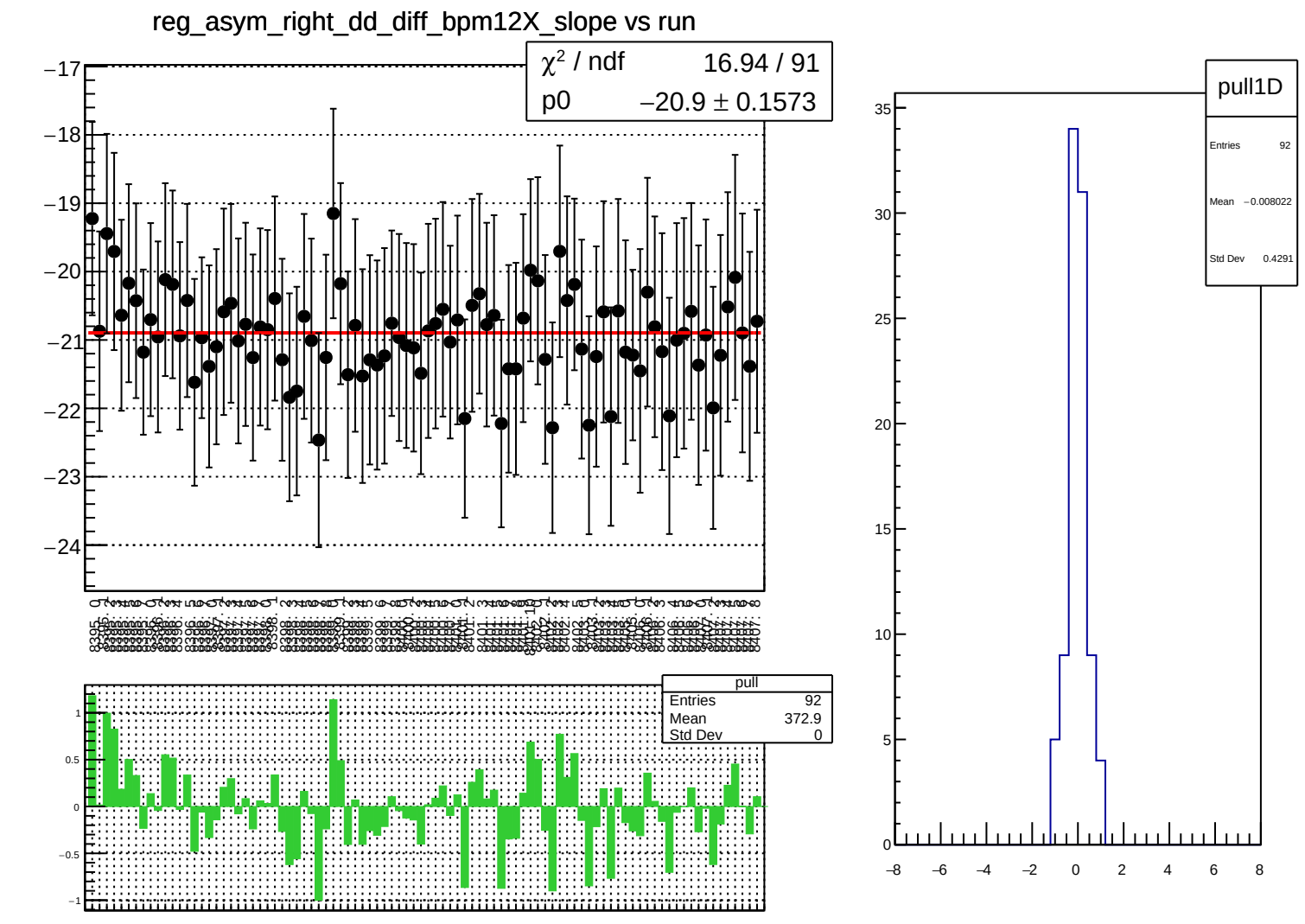

pull1D
Entries 92
Mean −0.004564
Std Dev 0.389

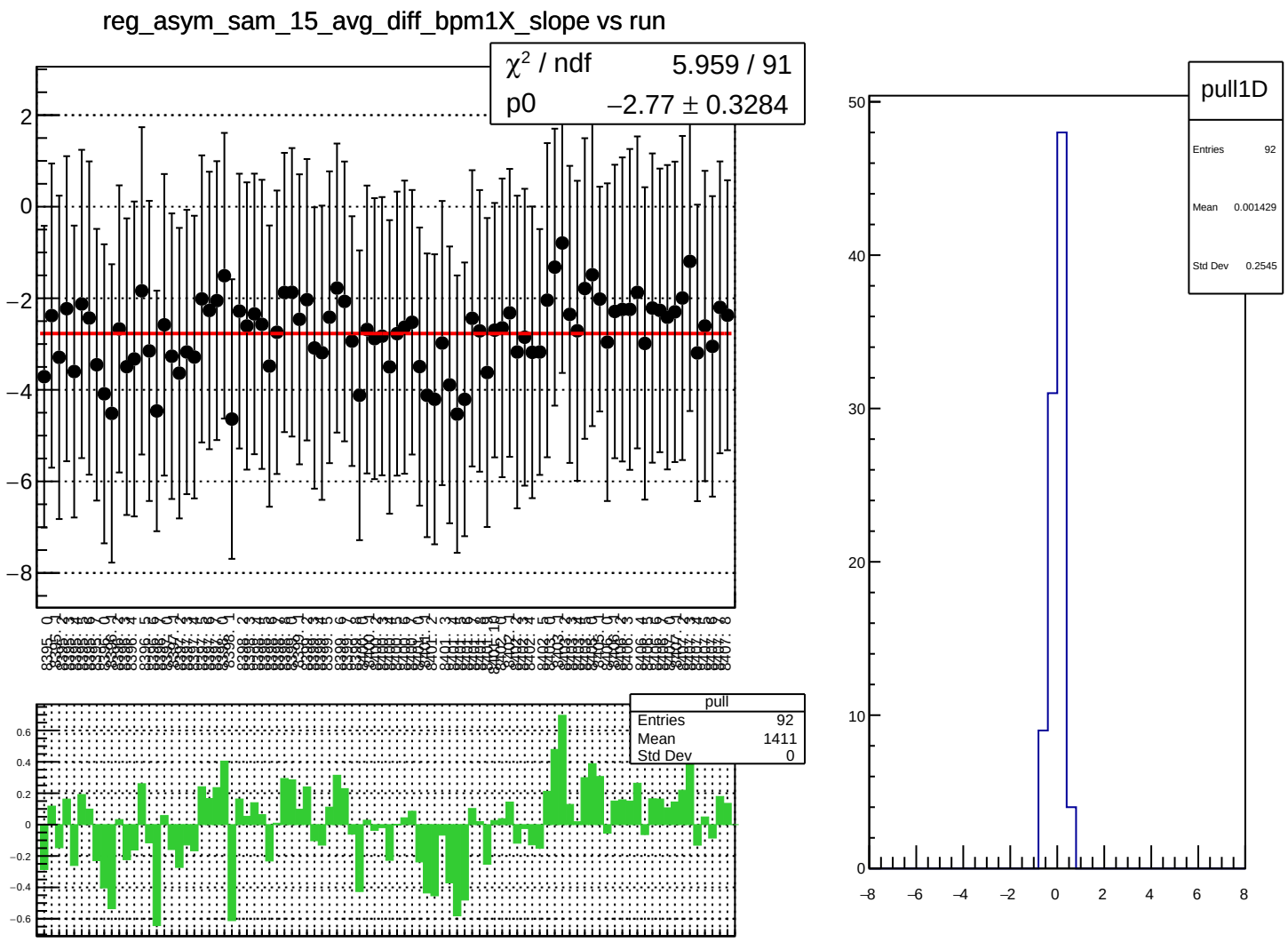

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.63 / 91
p0 8.981 ± 2.444
pull
Entries 92
Mean −55.31
Std Dev 0

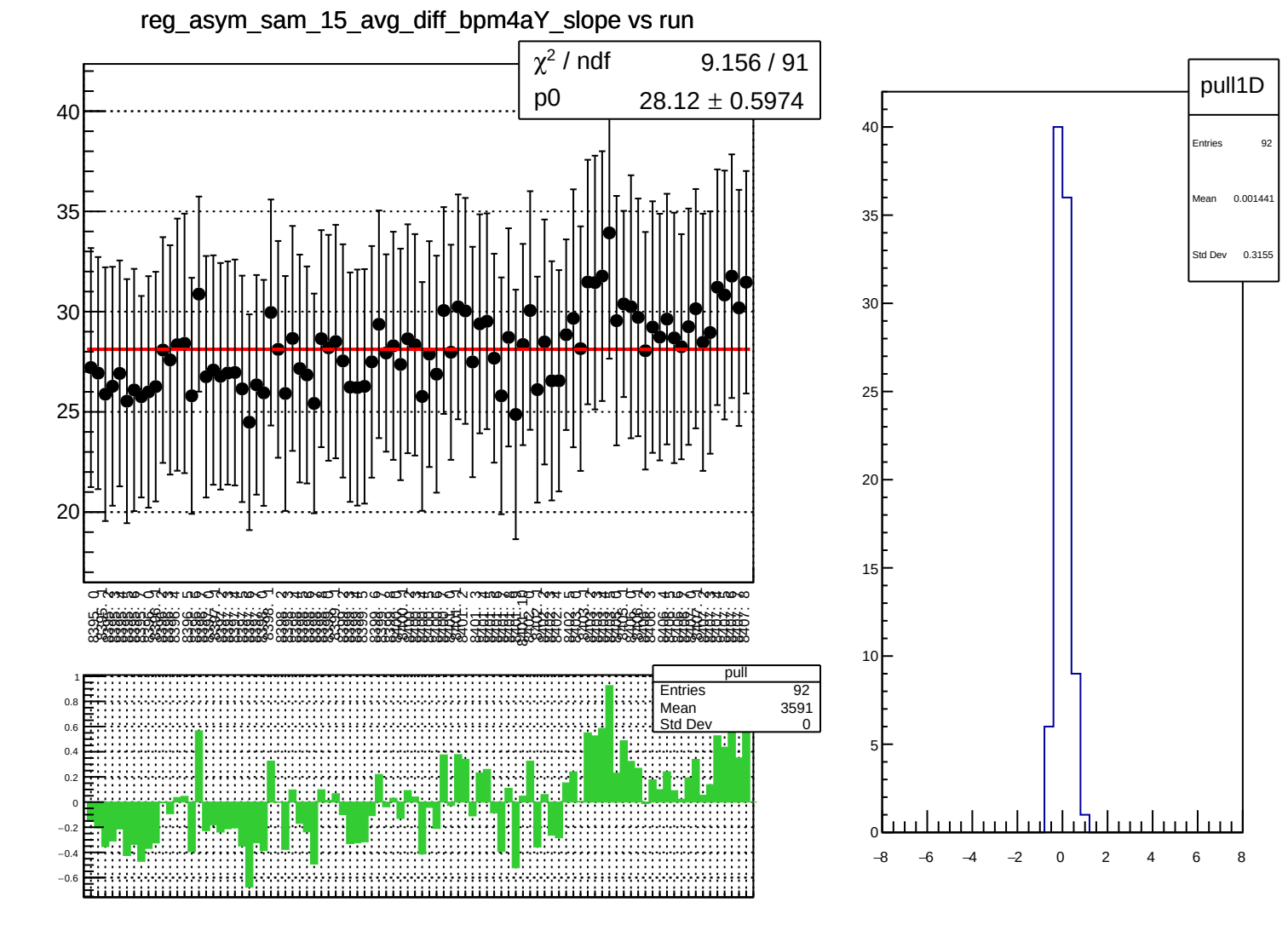

pull1D
Entries 92
Mean 0.005242
Std Dev 0.4121

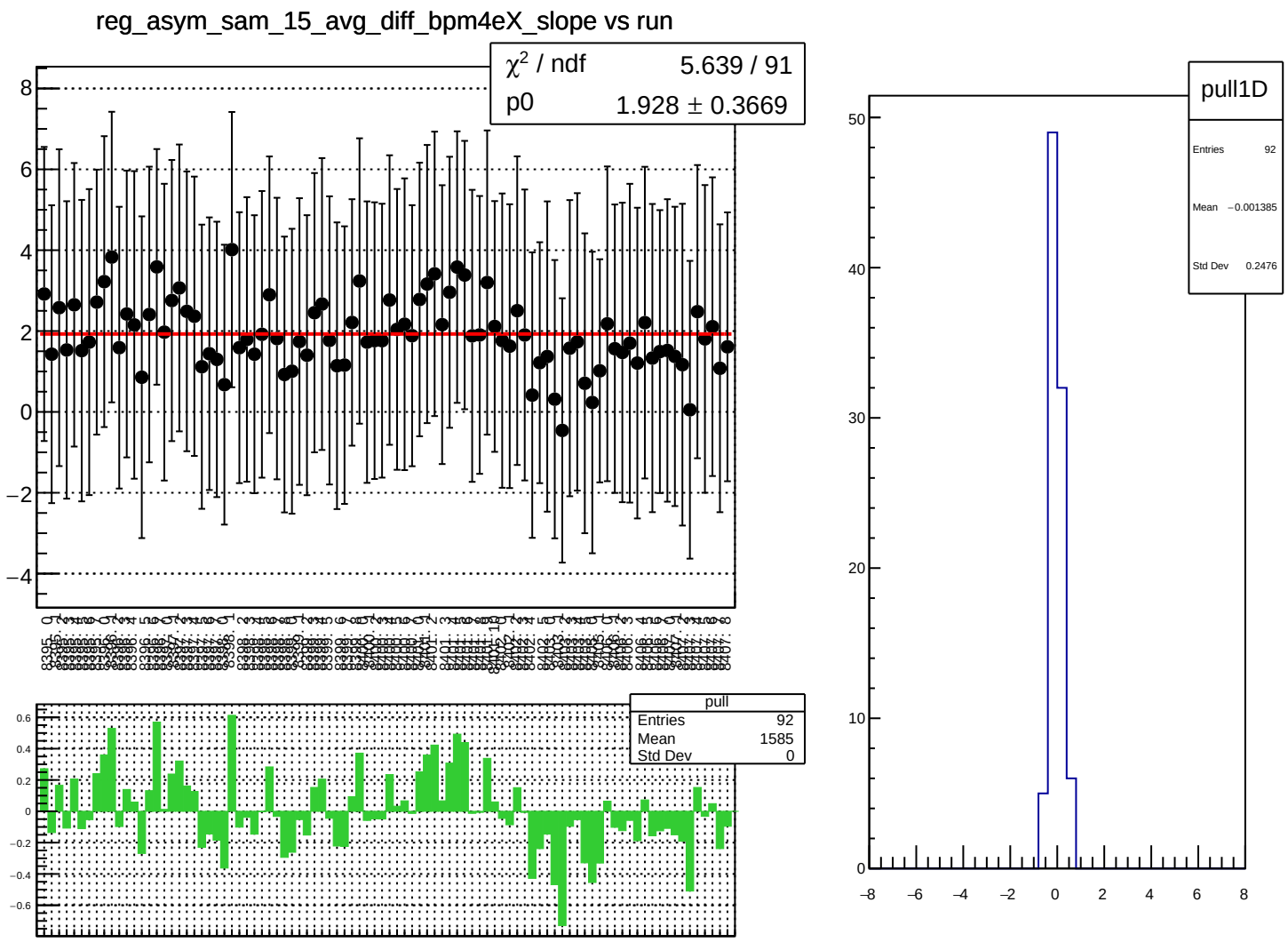

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.8 / 91
p0 63.34 ± 1.501
pull
Entries 92
Mean −183.4
Std Dev 0
pull1D
Entries 92
Mean 0.003746
Std Dev 0.3873

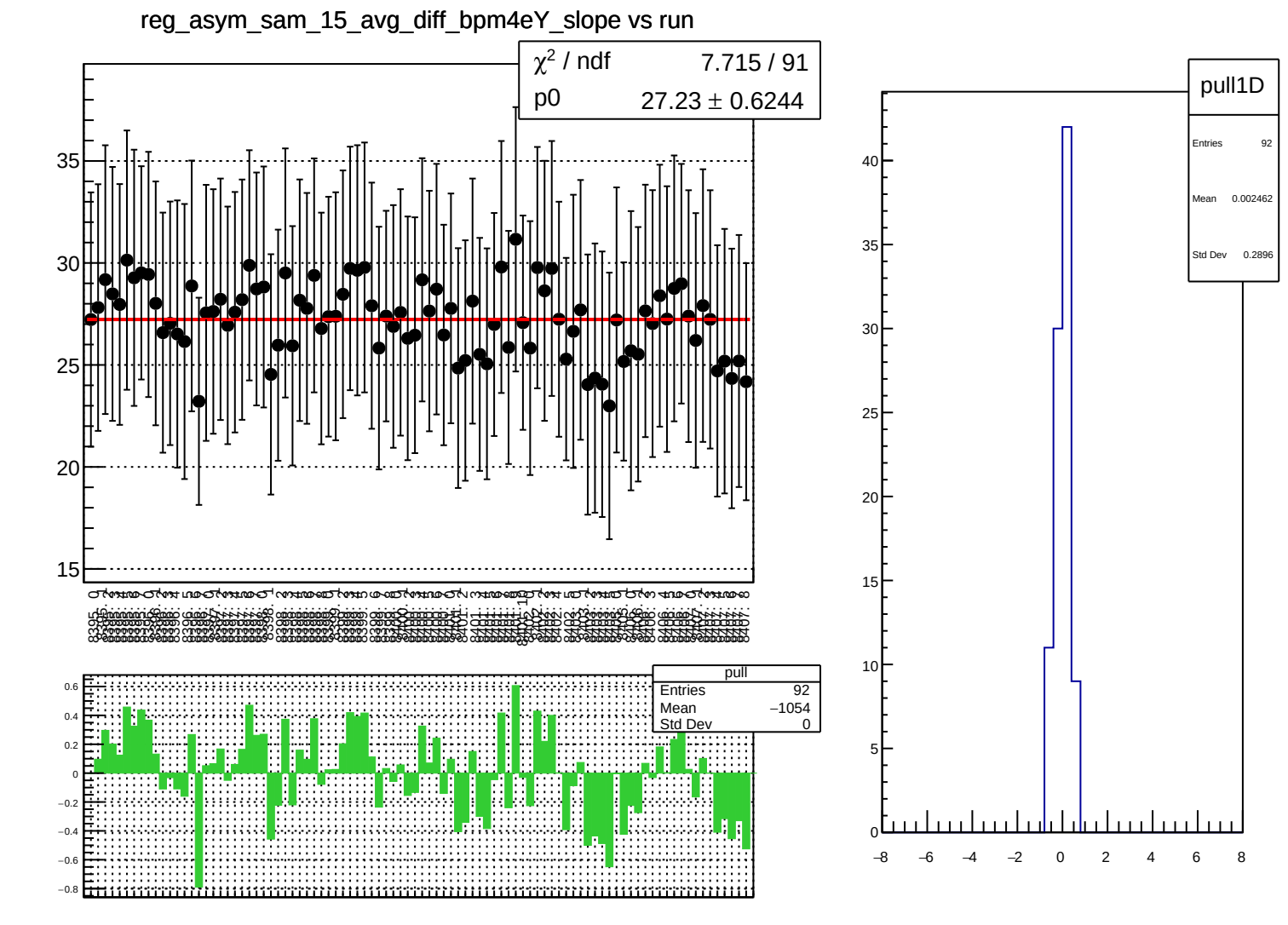

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.38 / 91
p0 −0.6259 ± 2.555
pull
Entries 92
Mean −71.05
Std Dev 0
pull1D
Entries 92
Mean −0.005307
Std Dev 0.4088

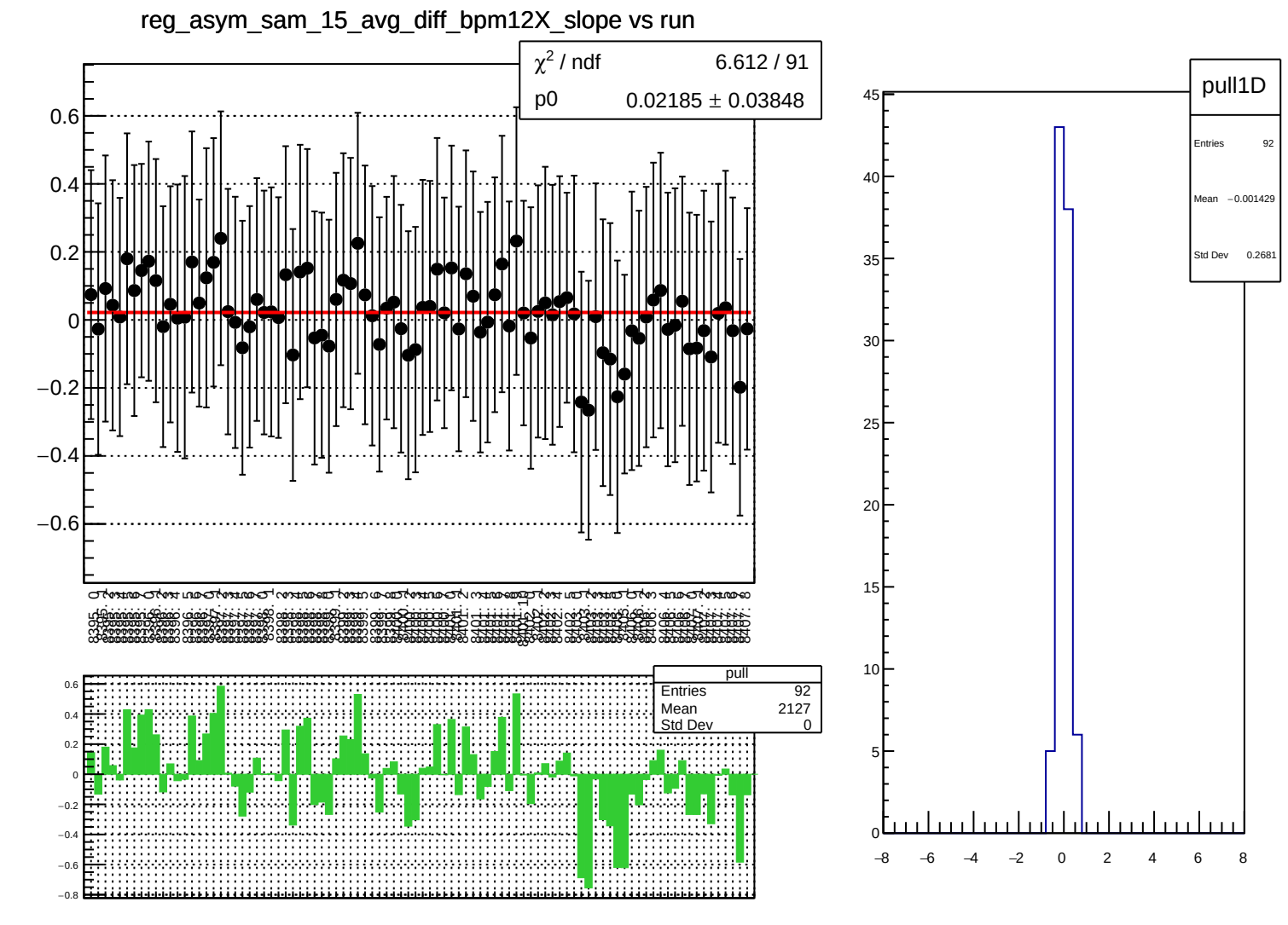

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 16.94 / 91
p0 −20.9 ± 0.1573
pull
Entries 92
Mean 372.9
Std Dev 0
pull1D
Entries 92
Mean −0.008022
Std Dev 0.4291

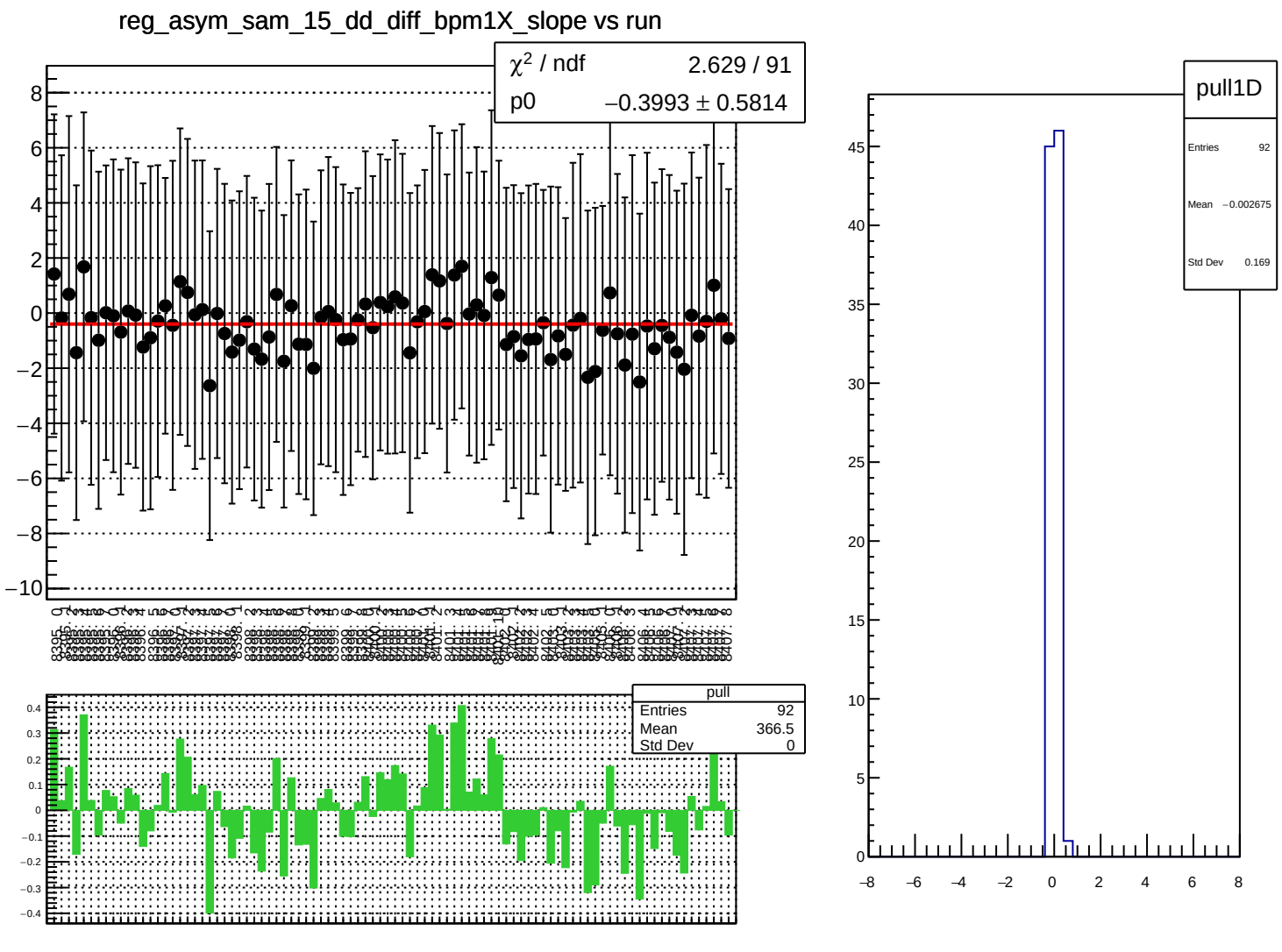

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 5.959 / 91
p0 −2.77 ± 0.3284
pull
Entries 92
Mean 1411
Std Dev 0
pull1D
Entries 92
Mean 0.001429
Std Dev 0.2545

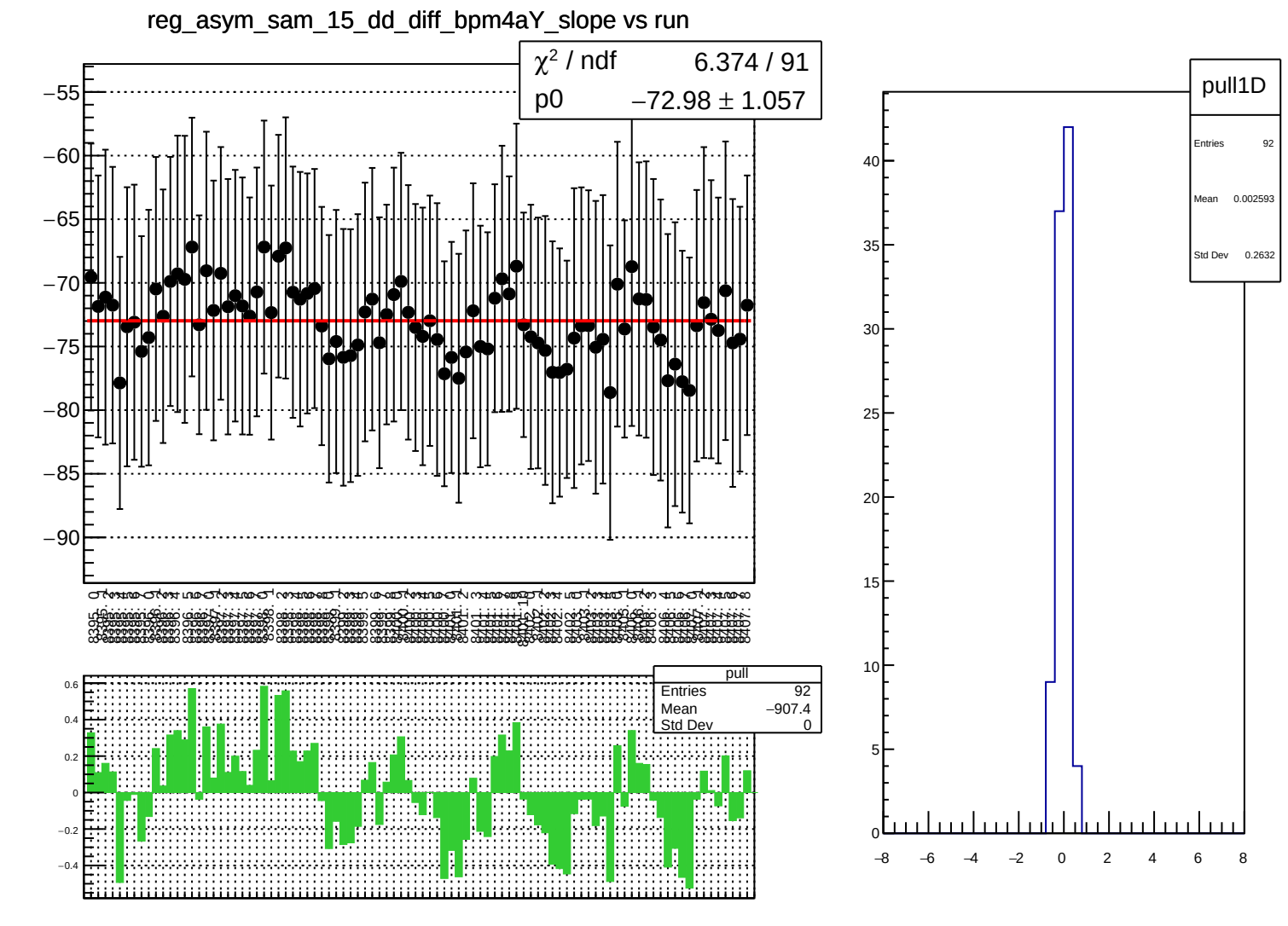

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.156 / 91
p0 28.12 ± 0.5974
pull
Entries 92
Mean 3591
Std Dev 0
pull1D
Entries 92
Mean 0.001441
Std Dev 0.3155

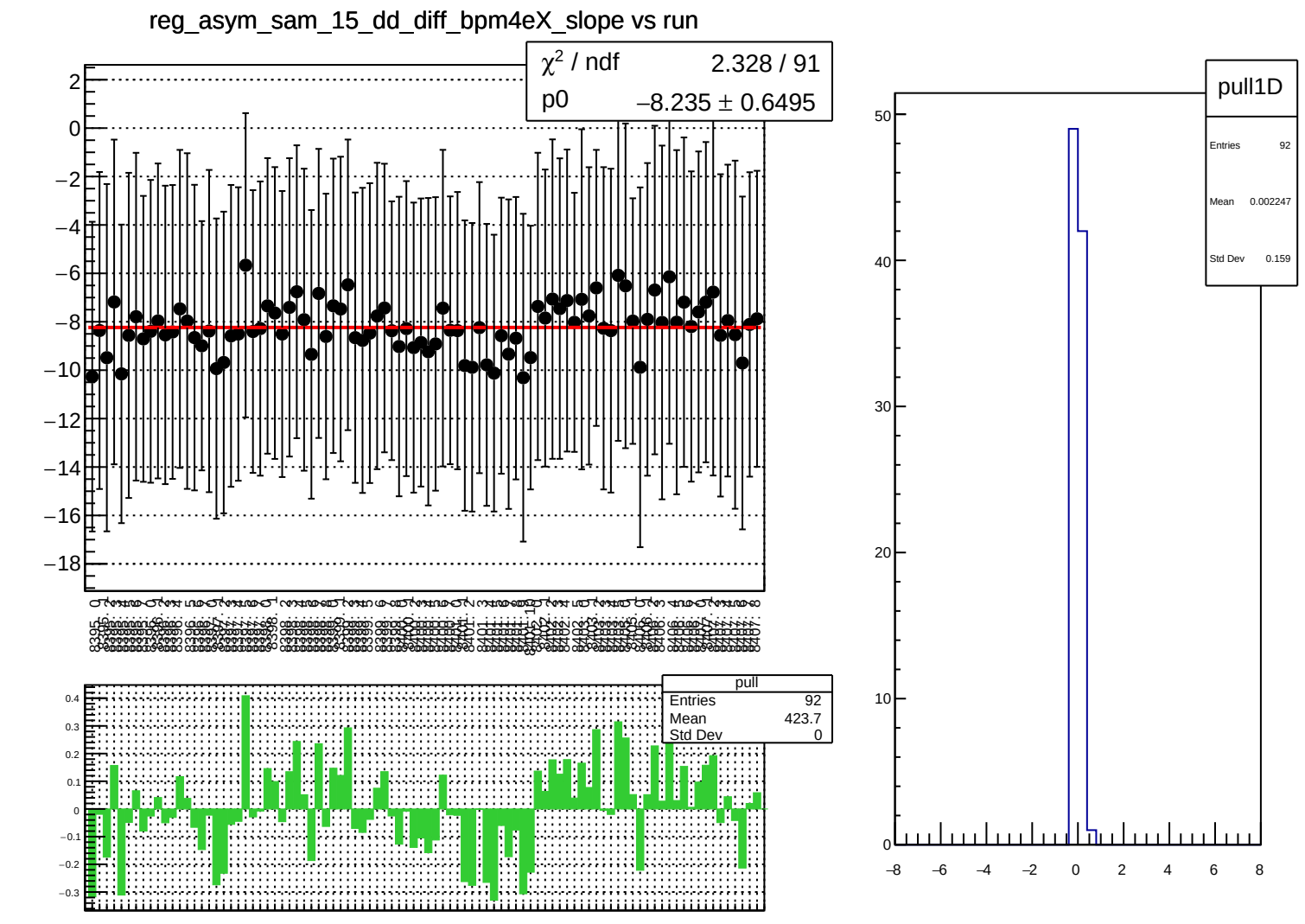

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.639 / 91
p0 1.928 ± 0.3669
pull
Entries 92
Mean 1585
Std Dev 0
pull1D
Entries 92
Mean −0.001385
Std Dev 0.2476

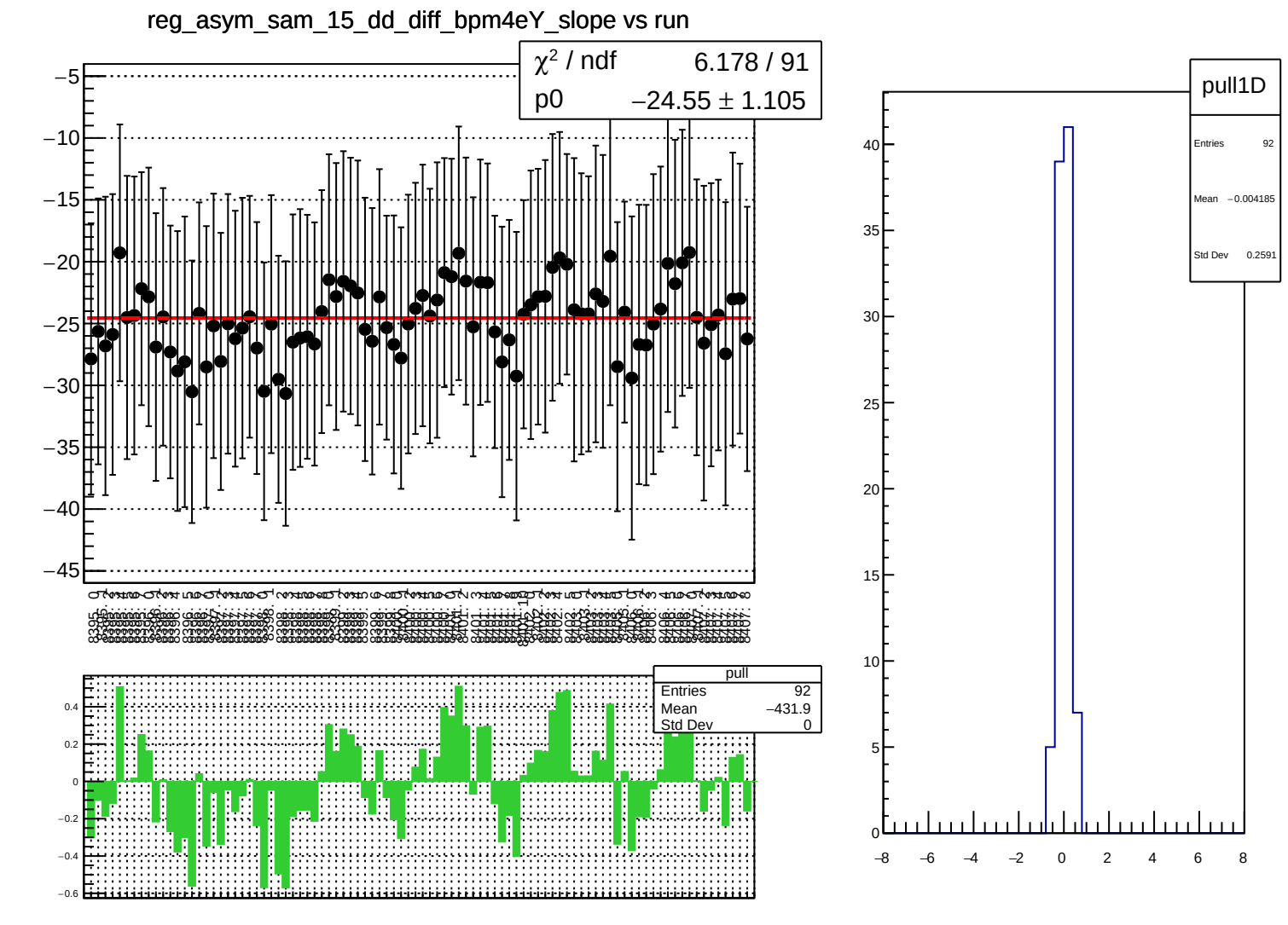

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.715 / 91
p0 27.23 ± 0.6244
pull
Entries 92
Mean −1054
Std Dev 0
pull1D
Entries 92
Mean 0.002462
Std Dev 0.2896

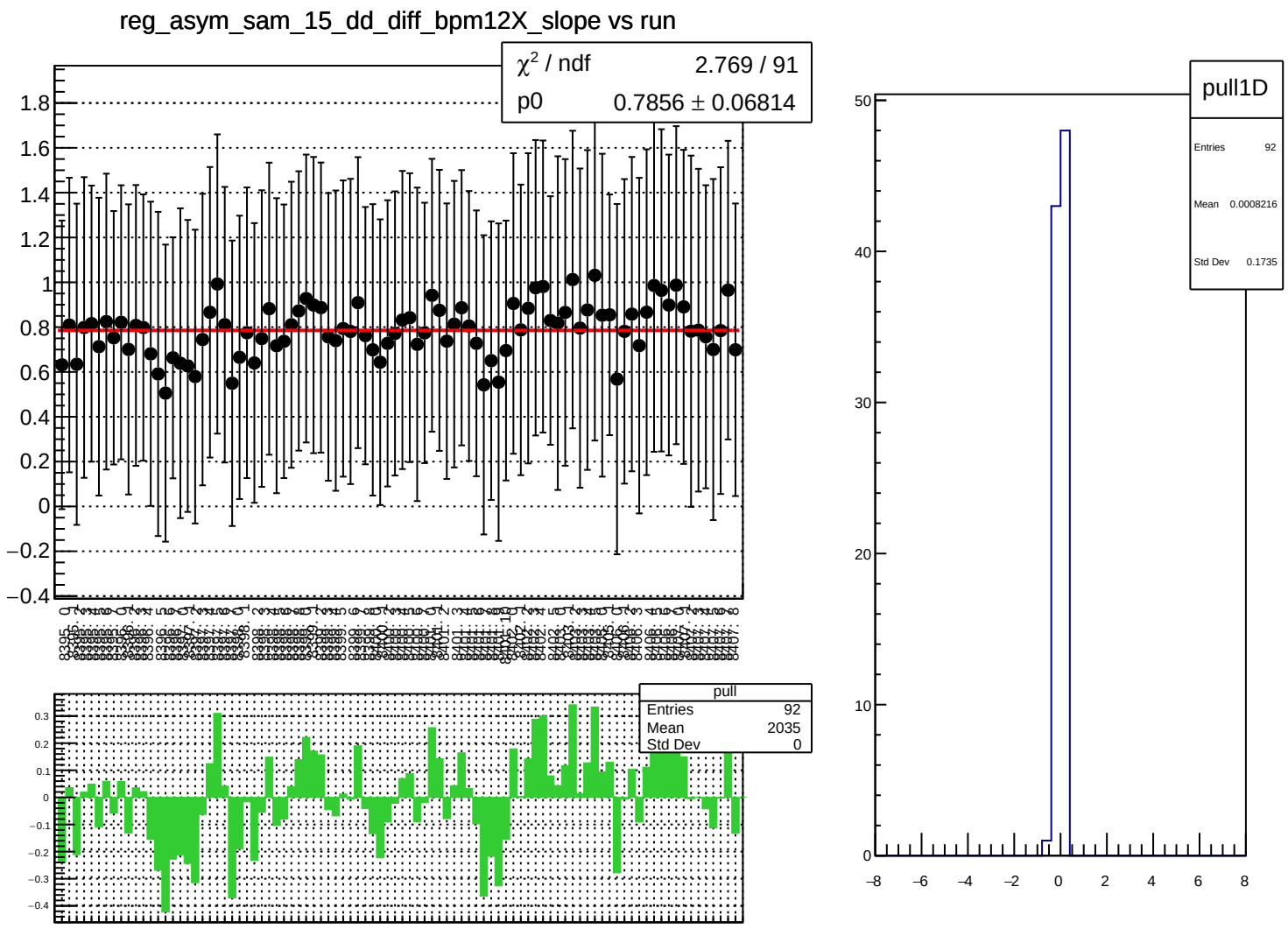

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 6.612 / 91
p0 0.02185 ± 0.03848
pull
Entries 92
Mean 2127
Std Dev 0
pull1D
Entries 92
Mean −0.001429
Std Dev 0.2681

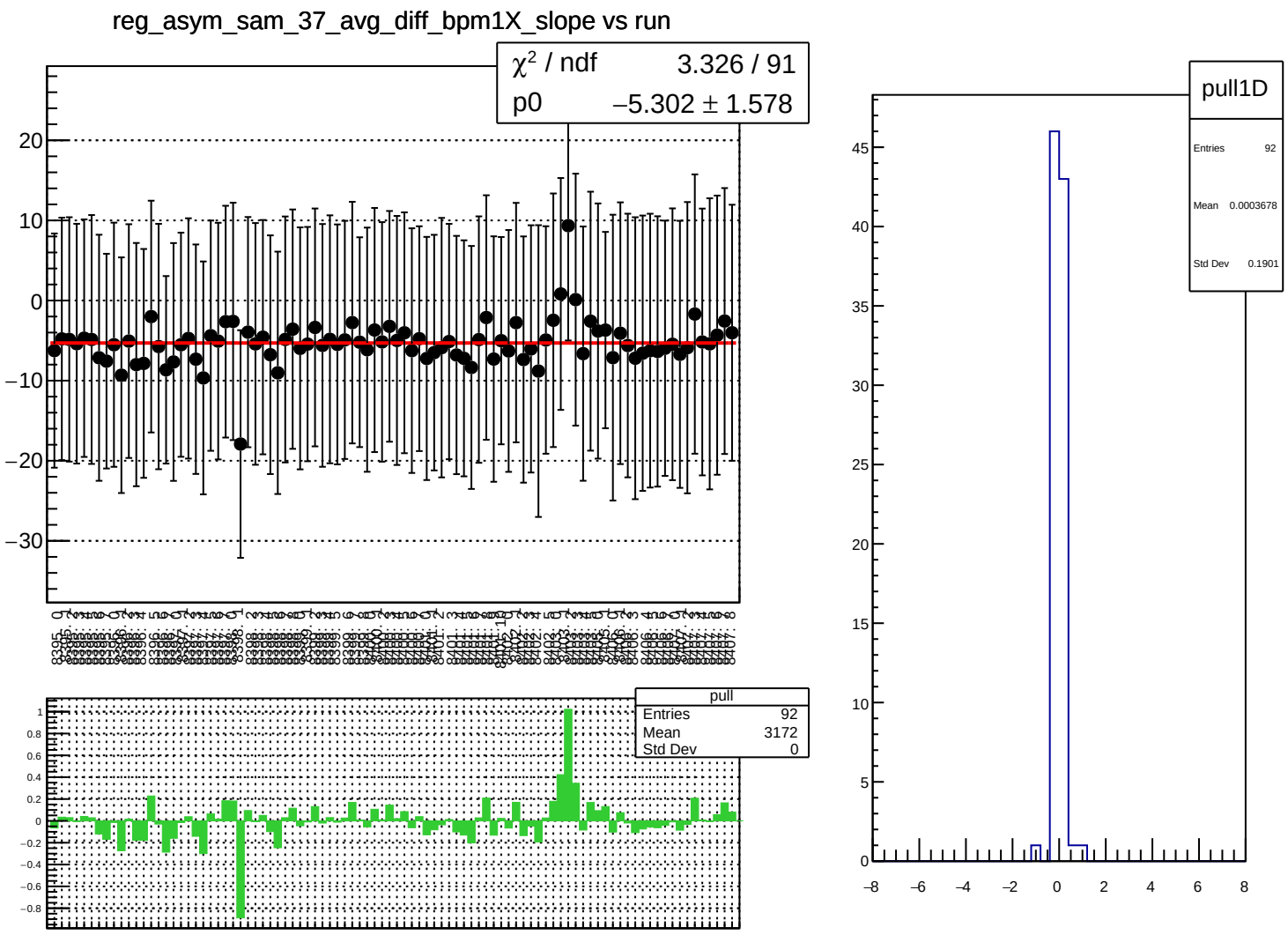

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.629 / 91
p0 −0.3993 ± 0.5814
pull
Entries 92
Mean 366.5
Std Dev 0
pull1D
Entries 92
Mean −0.002675
Std Dev 0.169

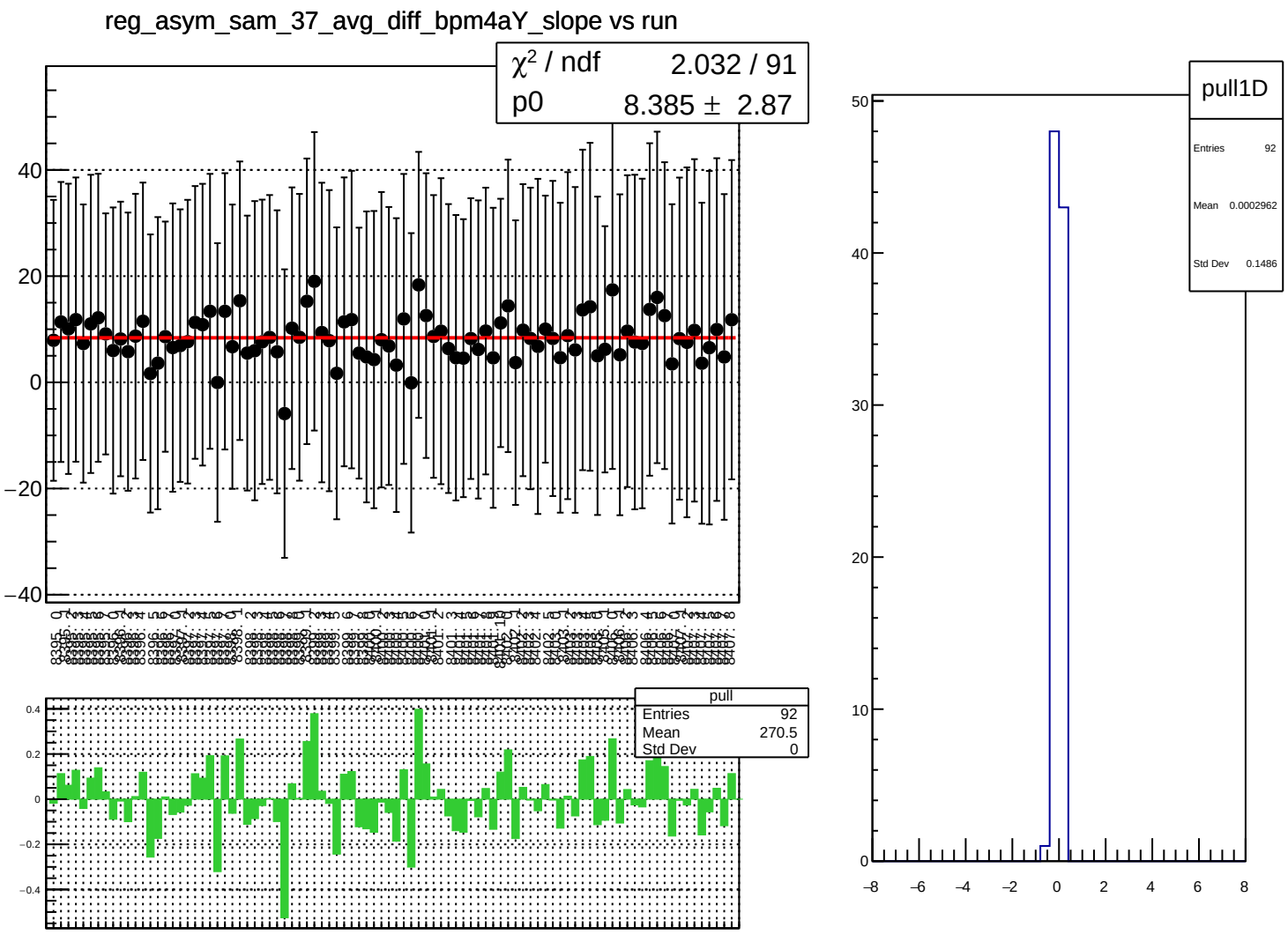

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.374 / 91
p0 −72.98 ± 1.057
pull
Entries 92
Mean −907.4
Std Dev 0
pull1D
Entries 92
Mean 0.002593
Std Dev 0.2632

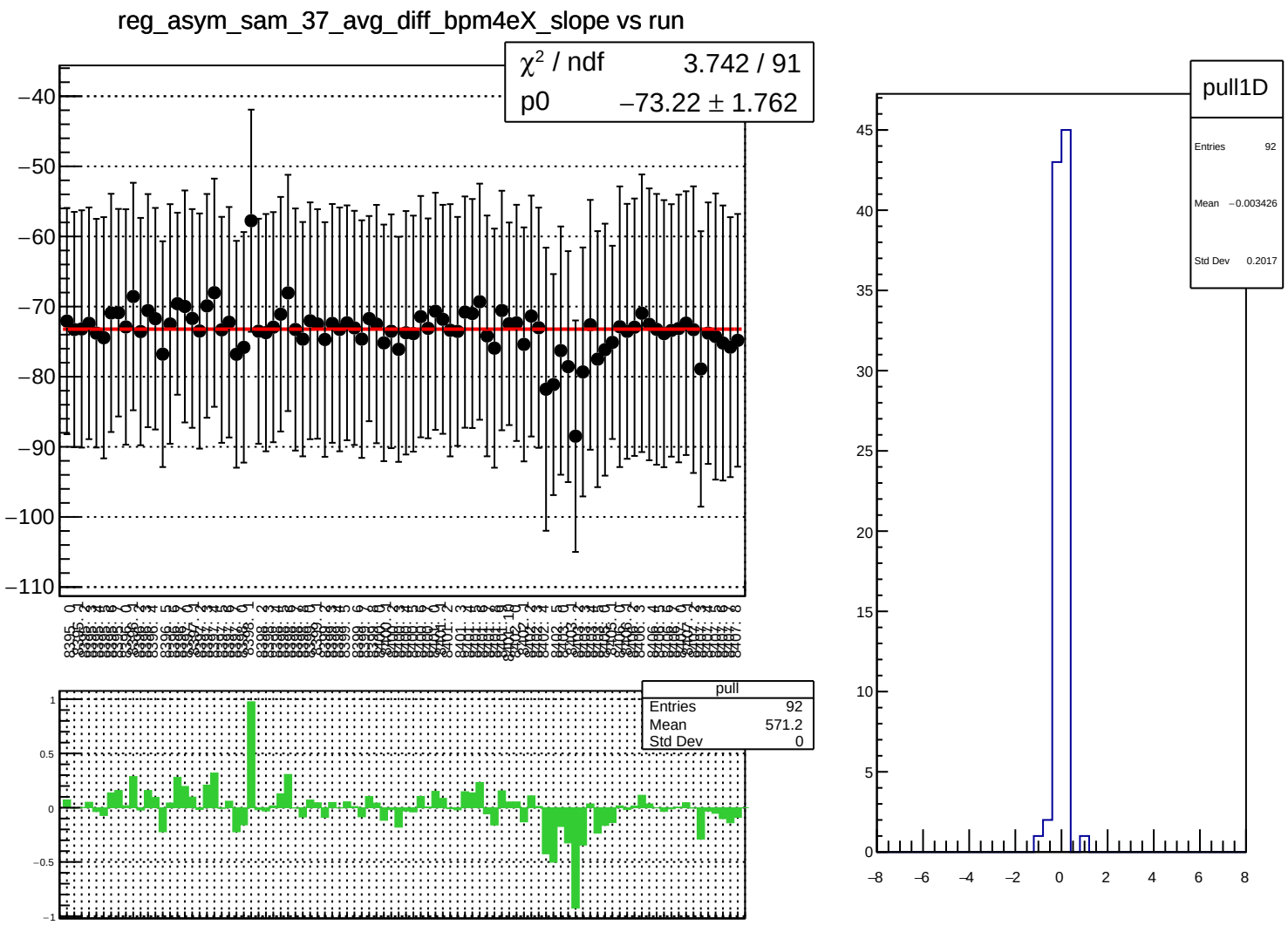

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.328 / 91
p0 −8.235 ± 0.6495
pull
Entries 92
Mean 423.7
Std Dev 0
pull1D
Entries 92
Mean 0.002247
Std Dev 0.159

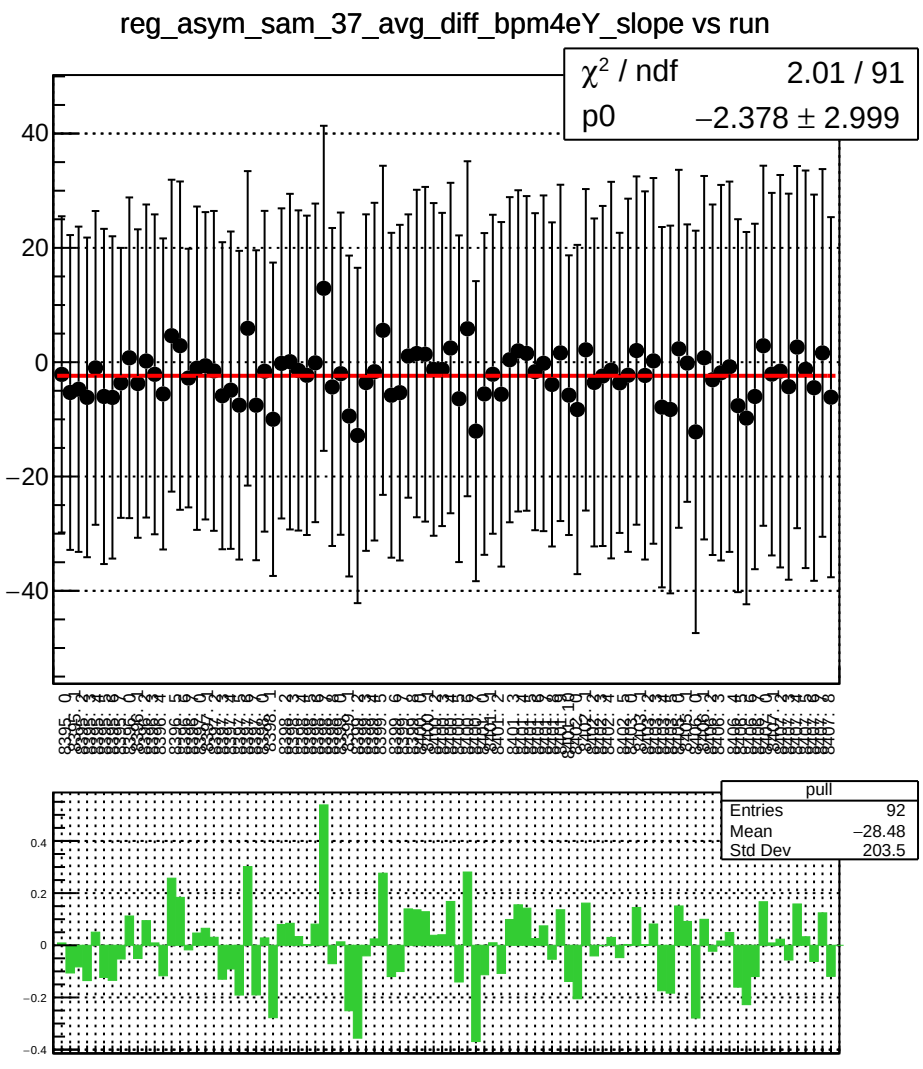

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.178 / 91
p0 −24.55 ± 1.105
pull
Entries 92
Mean −431.9
Std Dev 0
pull1D
Entries 92
Mean −0.004185
Std Dev 0.2591

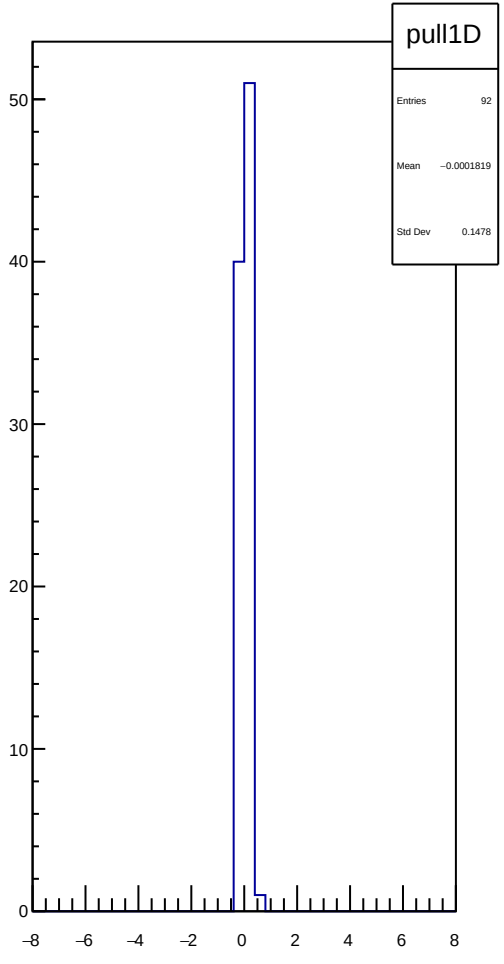

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 2.769 / 91
p0 0.7856 ± 0.06814
pull
Entries 92
Mean 2035
Std Dev 0
pull1D
Entries 92
Mean 0.0008216
Std Dev 0.1735

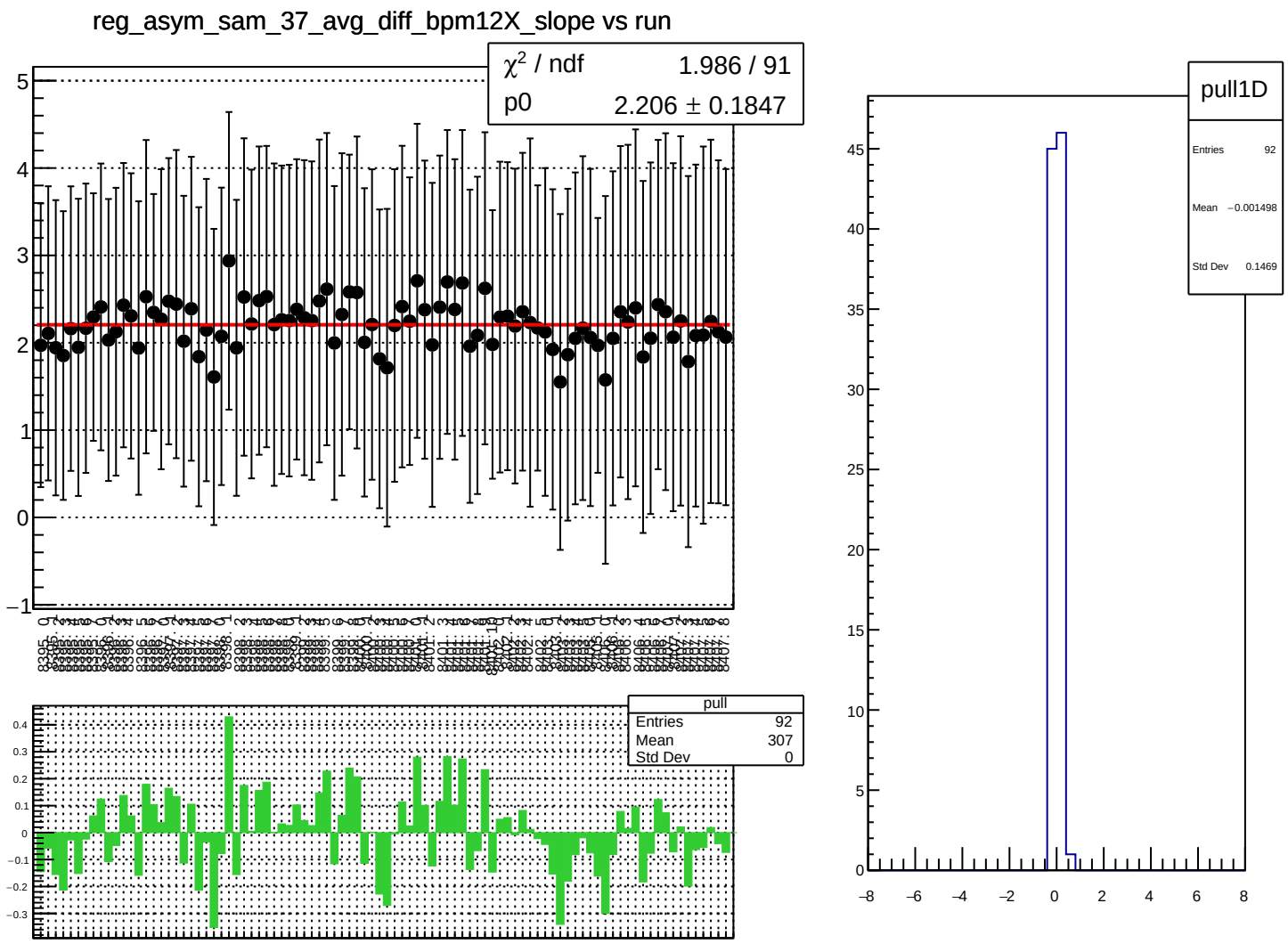

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.326 / 91
p0 −5.302 ± 1.578
pull
Entries 92
Mean 3172
Std Dev 0
pull1D
Entries 92
Mean 0.0003678
Std Dev 0.1901

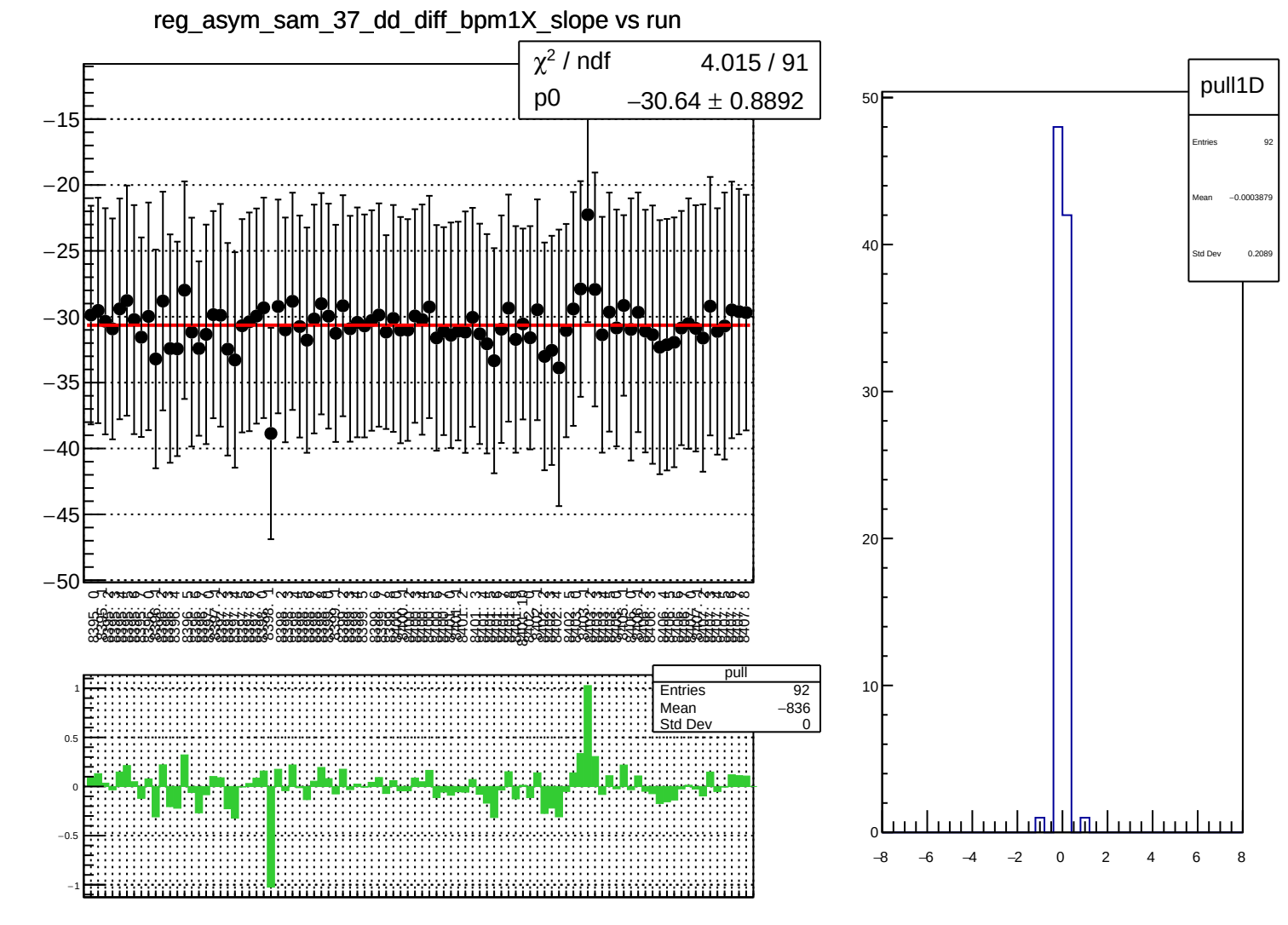

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.032 / 91
p0 8.385 ± 2.87
pull
Entries 92
Mean 270.5
Std Dev 0
pull1D
Entries 92
Mean 0.0002962
Std Dev 0.1486

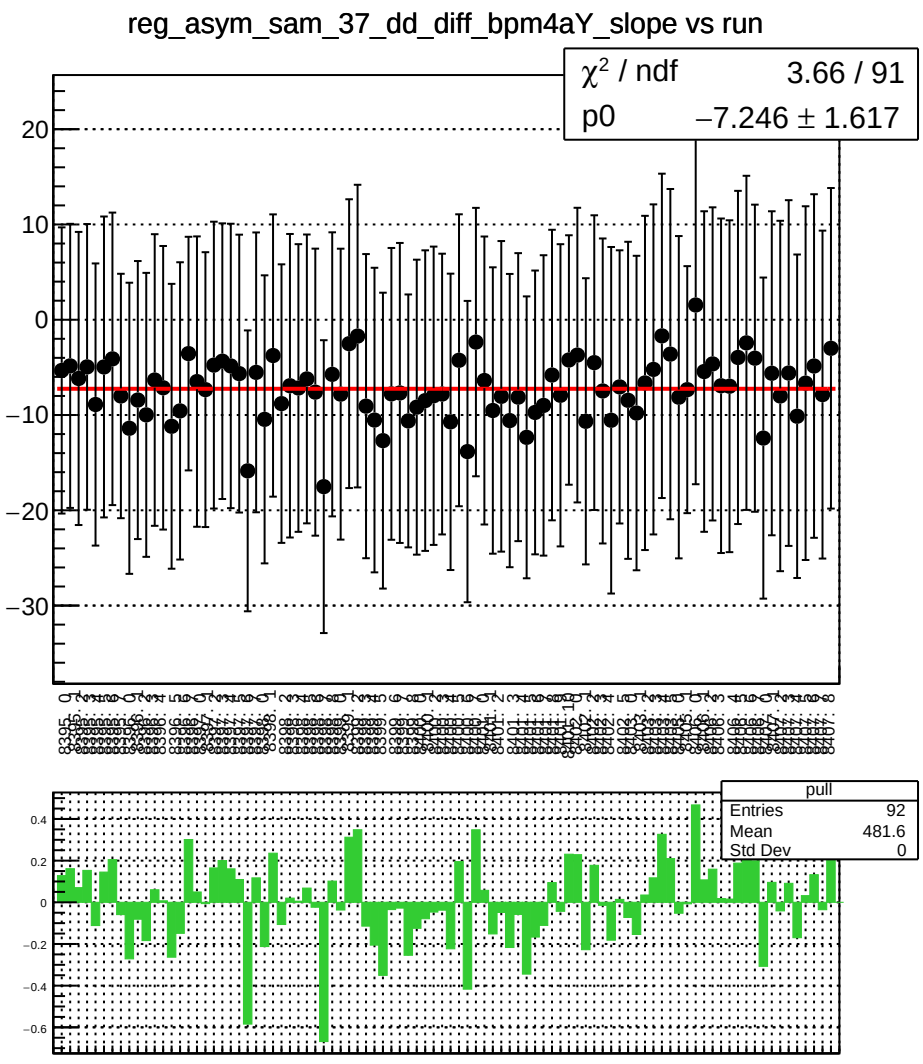

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.742 / 91
p0 −73.22 ± 1.762
pull
Entries 92
Mean 571.2
Std Dev 0
pull1D
Entries 92
Mean −0.003426
Std Dev 0.2017

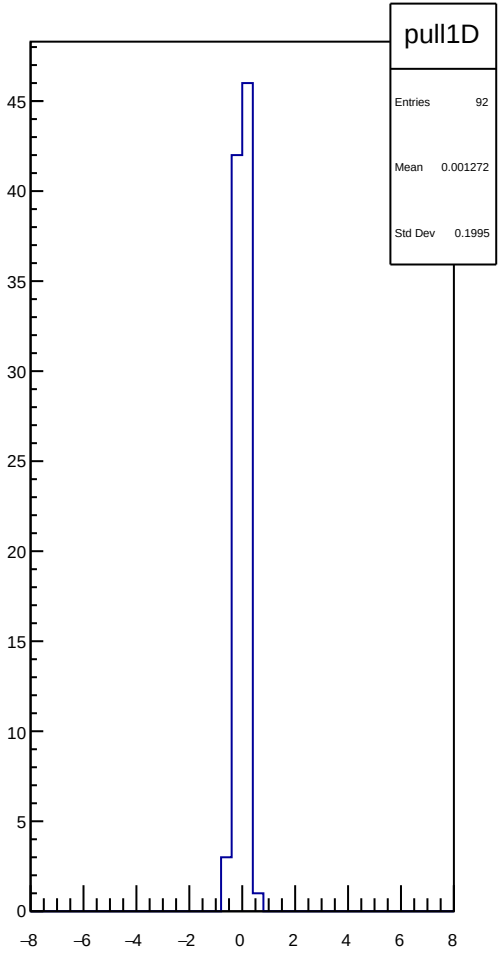

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.01 / 91
p0 −2.378 ± 2.999
40
20
0
−20
−40
pull
Entries 92
Mean −28.48
Std Dev 203.5
0.4
0.2
0
−0.2
−0.4

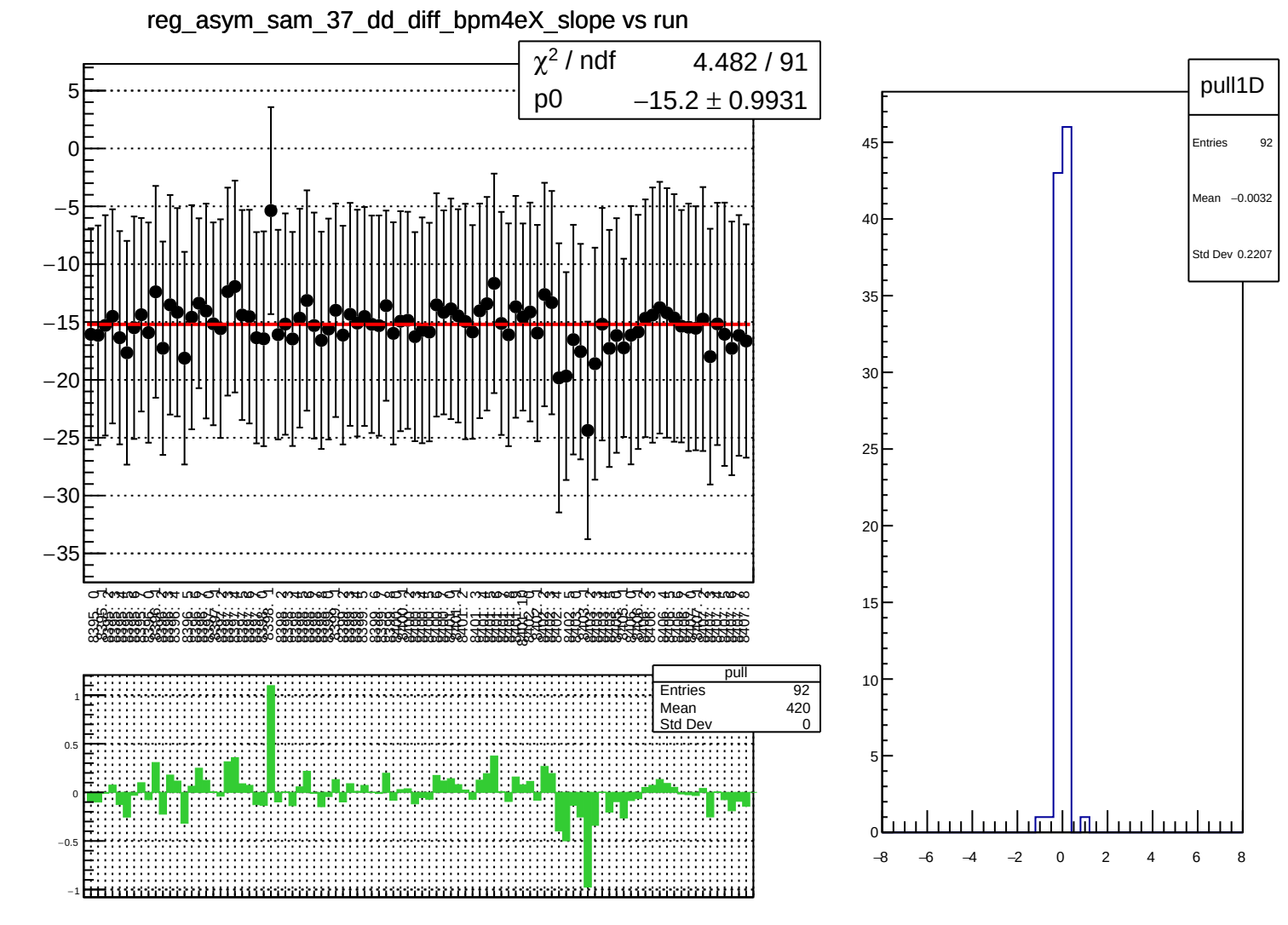

pull1D
Entries 92
Mean −0.0001819
Std Dev 0.1478
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

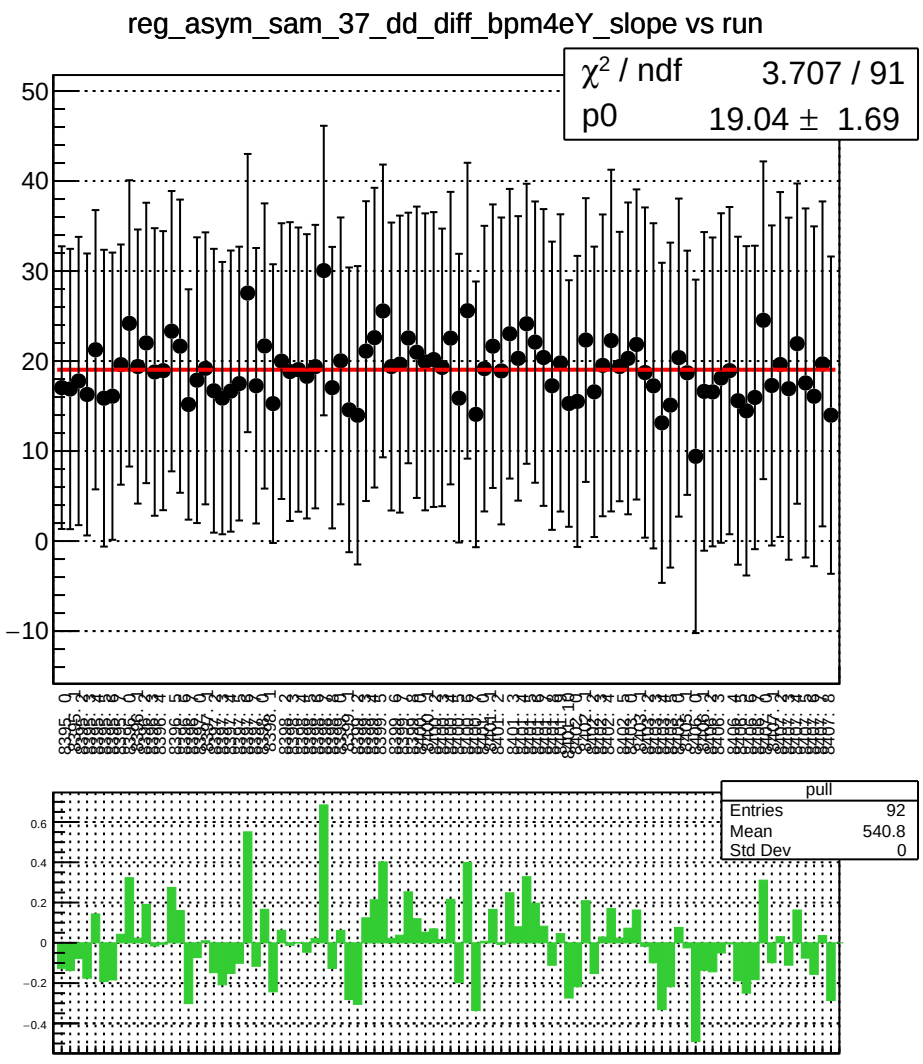

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.986 / 91
p0 2.206 ± 0.1847
pull
Entries 92
Mean 307
Std Dev 0
pull1D
Entries 92
Mean −0.001498
Std Dev 0.1469

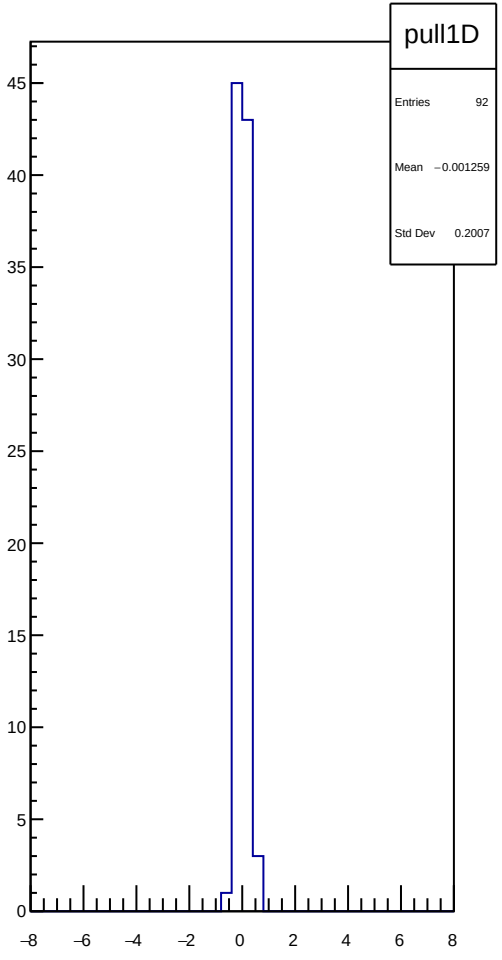

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.015 / 91
p0 −30.64 ± 0.8892
pull
Entries 92
Mean −836
Std Dev 0
pull1D
Entries 92
Mean −0.0003879
Std Dev 0.2089

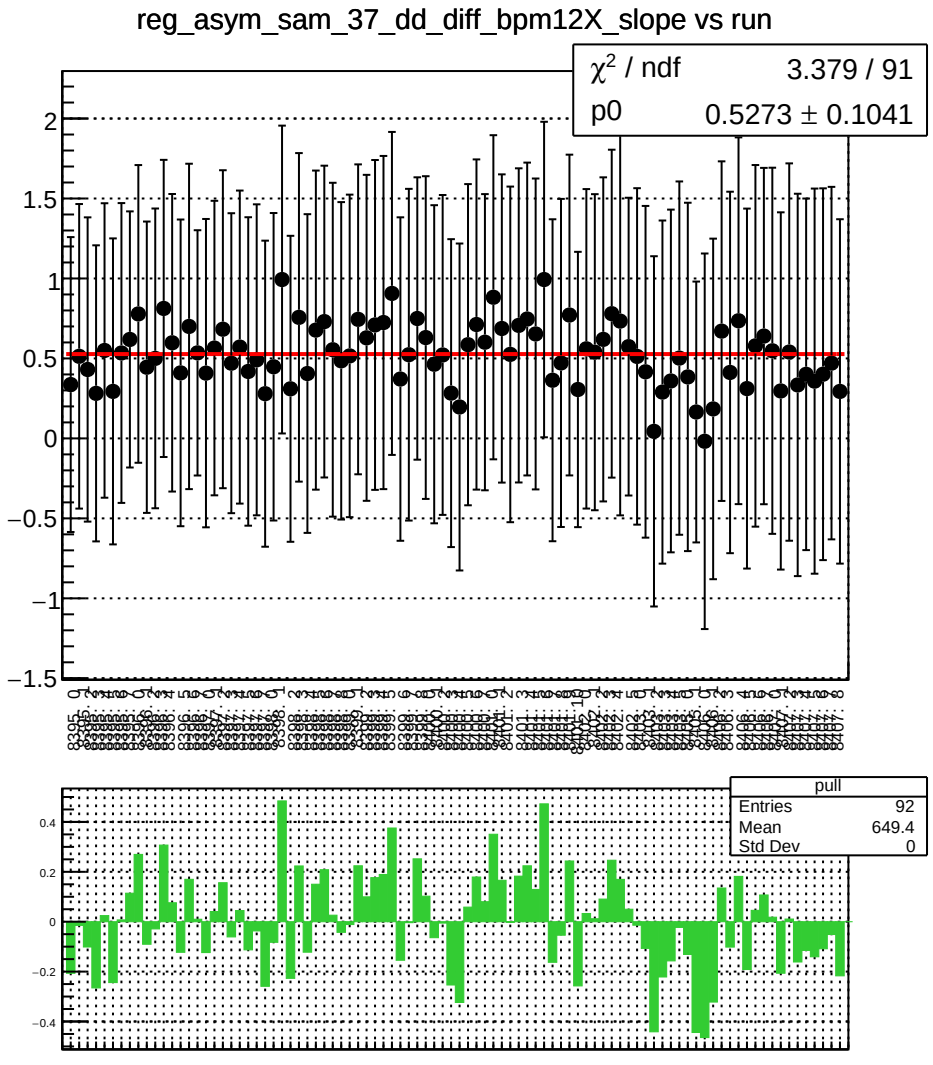

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.66 / 91
p0 −7.246 ± 1.617
pull
Entries 92
Mean 481.6
Std Dev 0

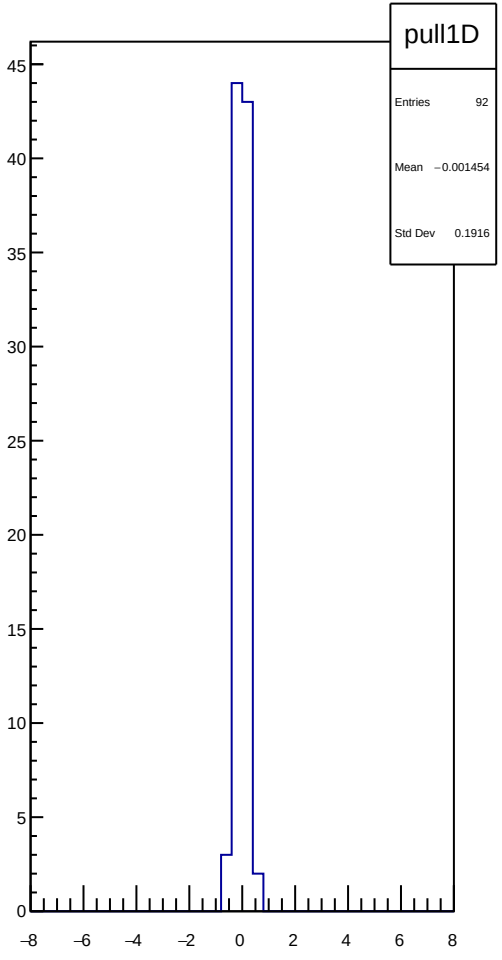

pull1D
Entries 92
Mean 0.001272
Std Dev 0.1995

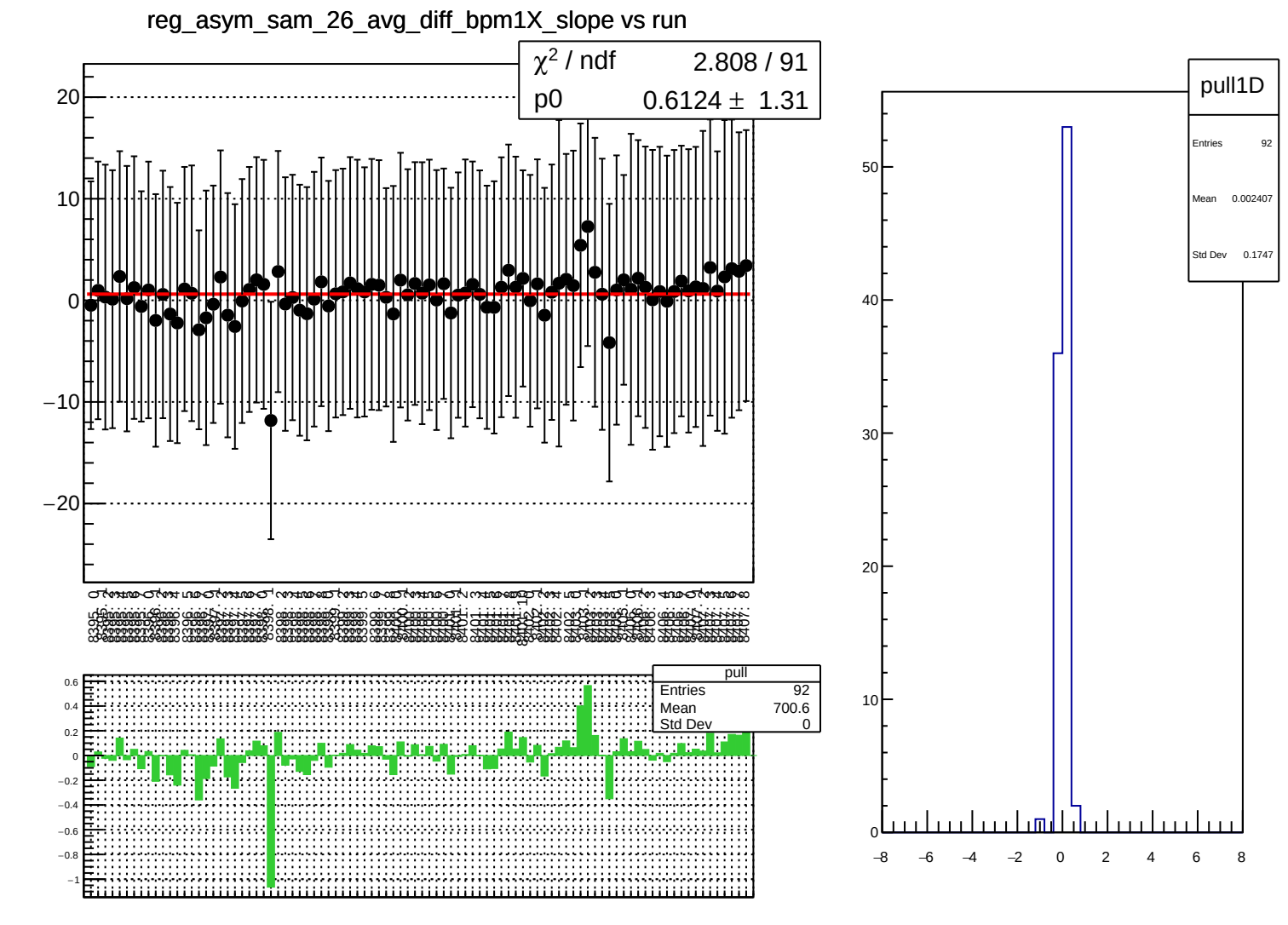

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.482 / 91
p0 −15.2 ± 0.9931
pull
Entries 92
Mean 420
Std Dev 0
pull1D
Entries 92
Mean −0.0032
Std Dev 0.2207

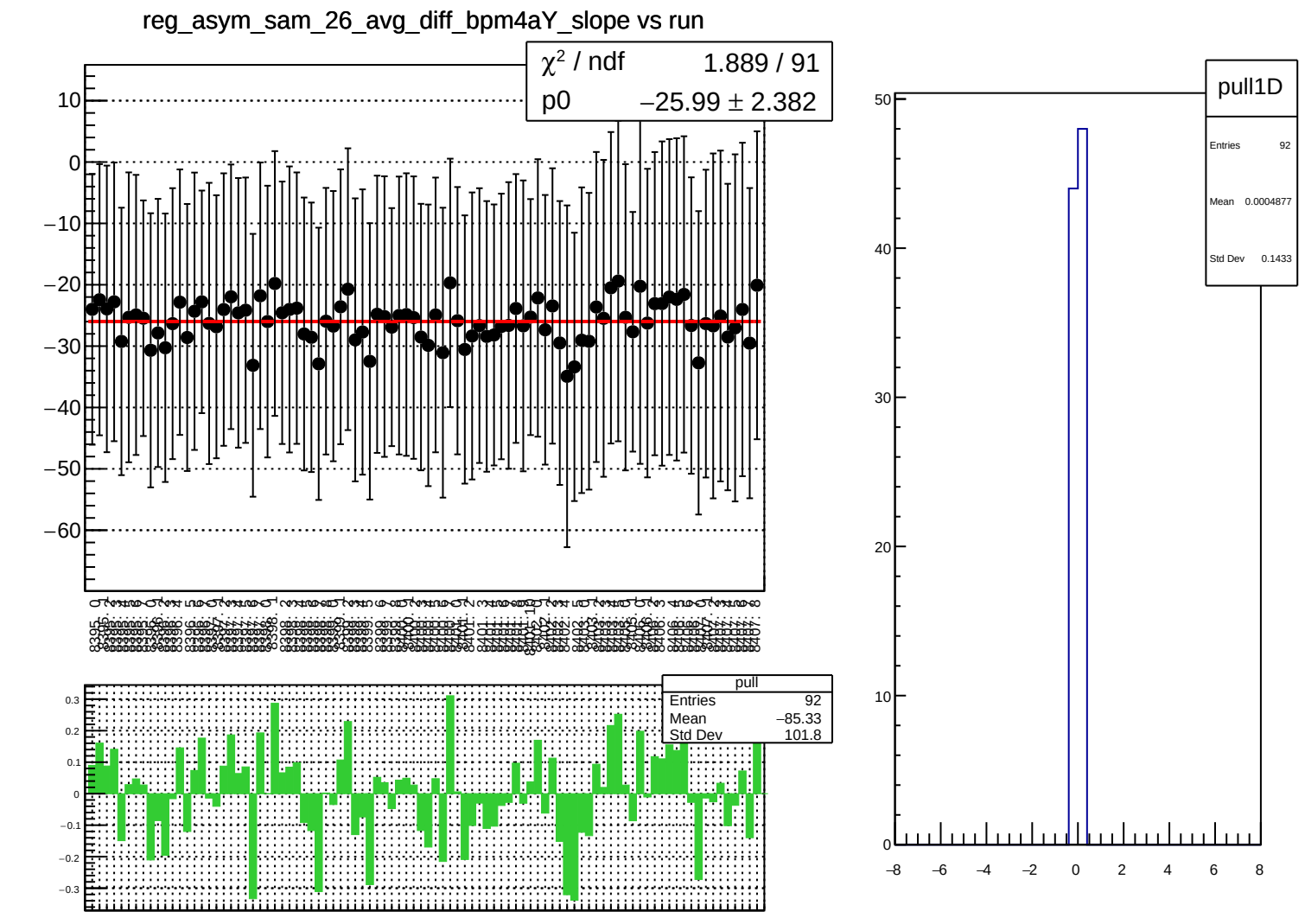

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.707 / 91
p0 19.04 ± 1.69
pull
Entries 92
Mean 540.8
Std Dev 0

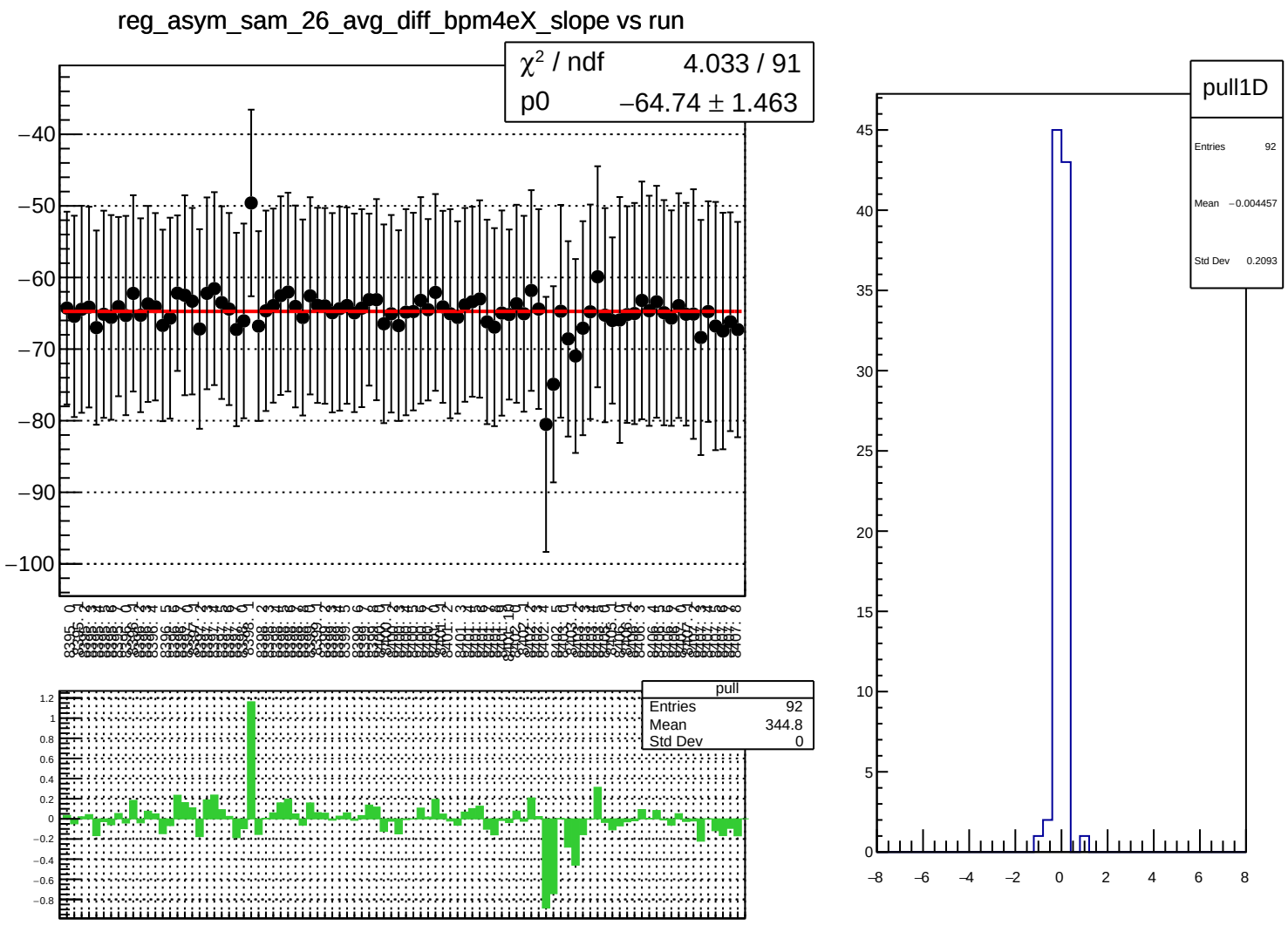

pull1D
Entries 92
Mean −0.001259
Std Dev 0.2007

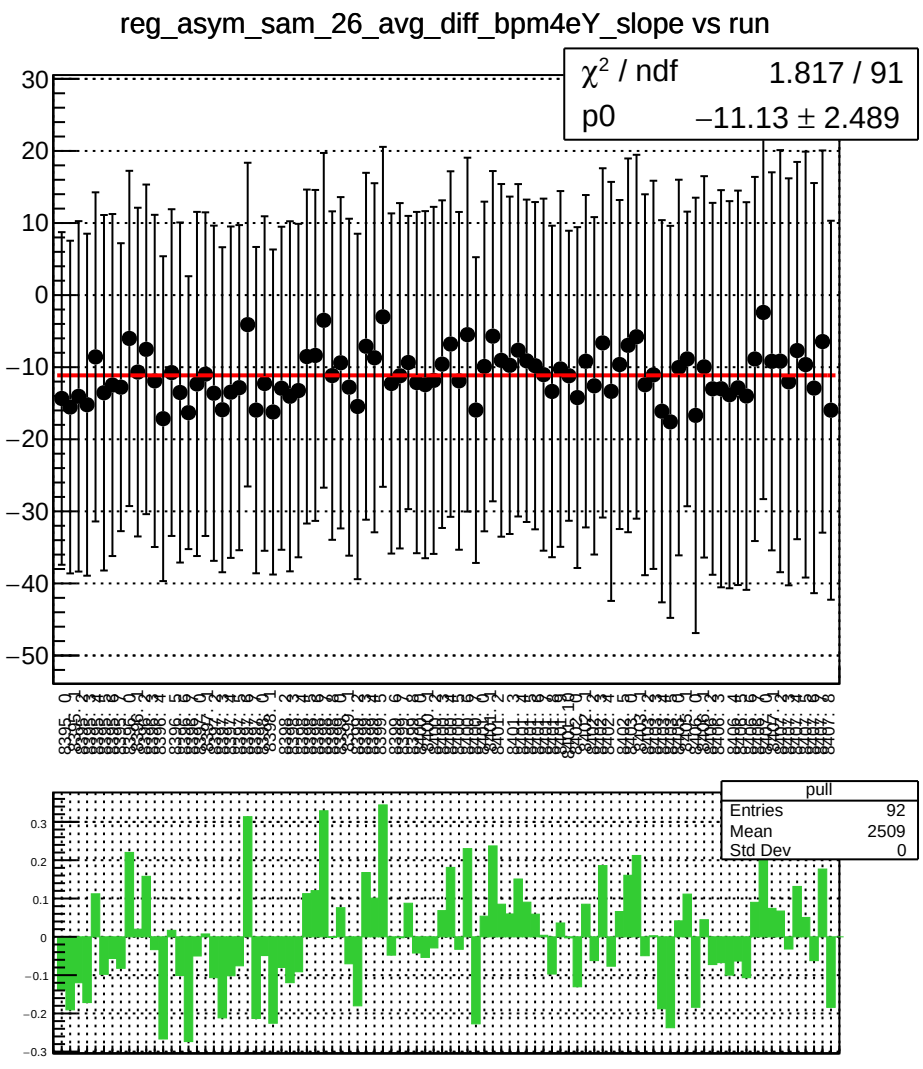

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.379 / 91
p0 0.5273 ± 0.1041
pull
Entries 92
Mean 649.4
Std Dev 0

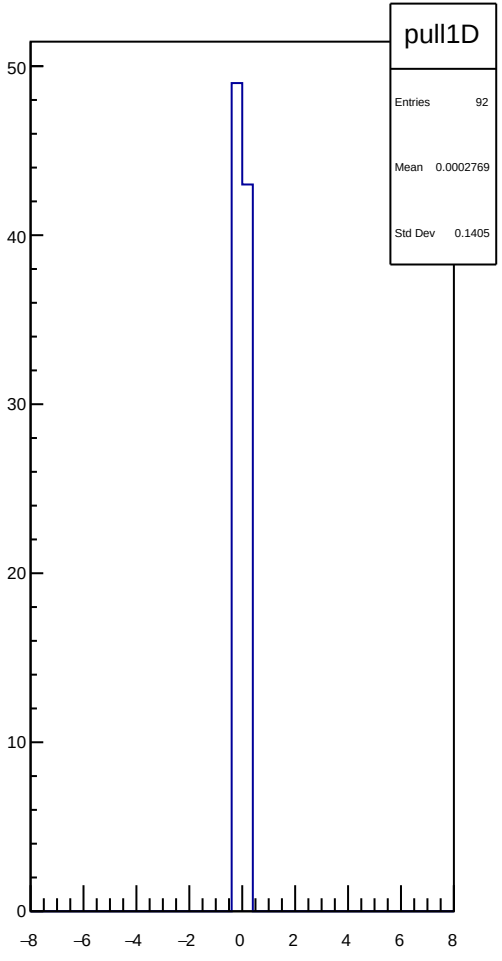

pull1D
Entries 92
Mean −0.001454
Std Dev 0.1916


reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.808 / 91
p0 0.6124 ± 1.31
pull
Entries 92
Mean 700.6
Std Dev 0
pull1D
Entries 92
Mean 0.002407
Std Dev 0.1747

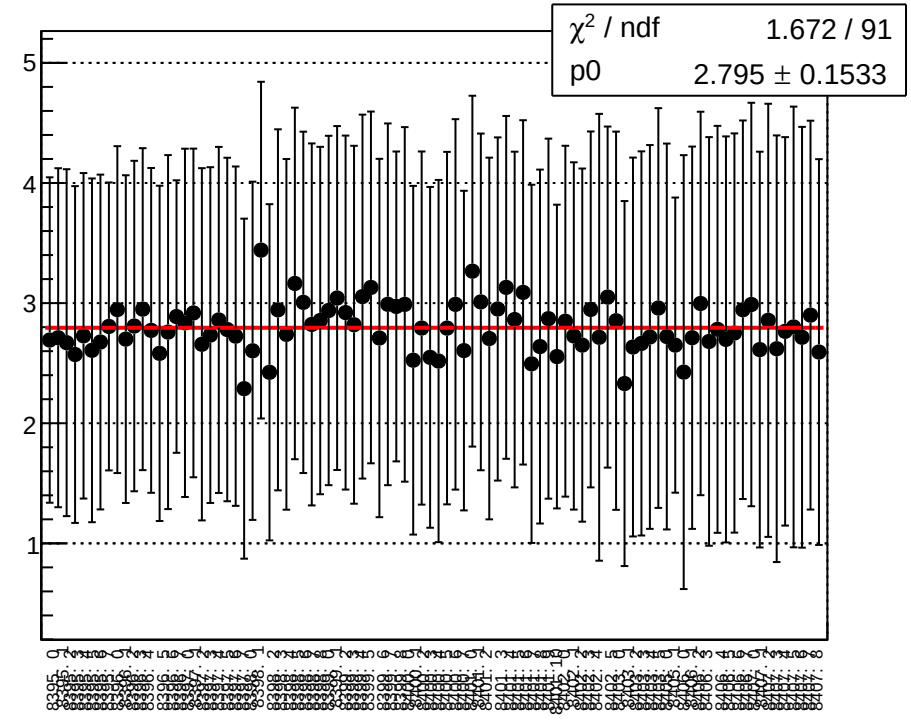

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.889 / 91
p0 −25.99 ± 2.382
pull
Entries 92
Mean −85.33
Std Dev 101.8
pull1D
Entries 92
Mean 0.0004877
Std Dev 0.1433

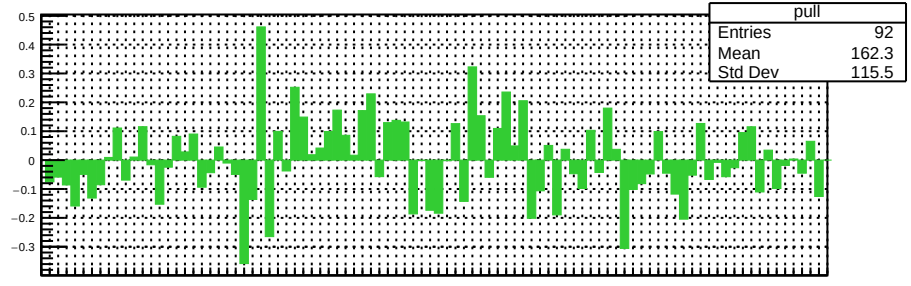

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.033 / 91
p0 −64.74 ± 1.463
pull
Entries 92
Mean 344.8
Std Dev 0
pull1D
Entries 92
Mean −0.004457
Std Dev 0.2093

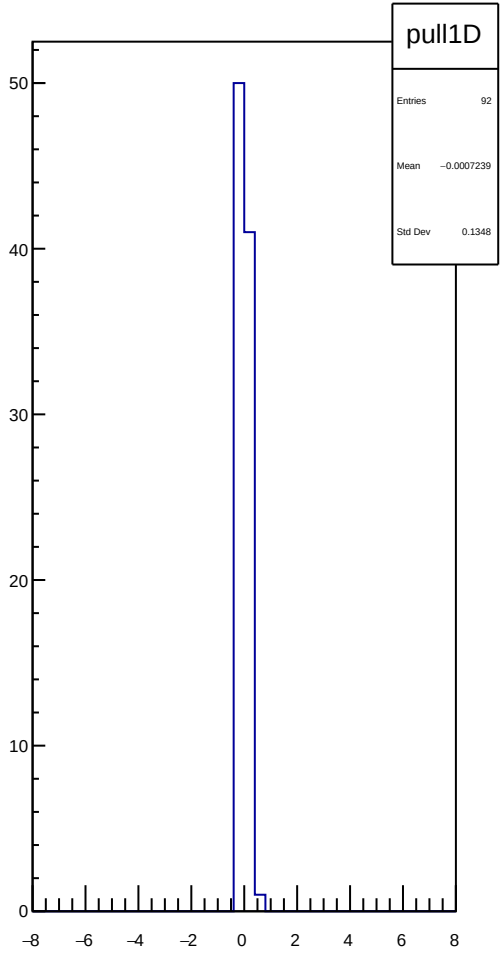

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.817 / 91
p0 −11.13 ± 2.489
pull
Entries 92
Mean 2509
Std Dev 0

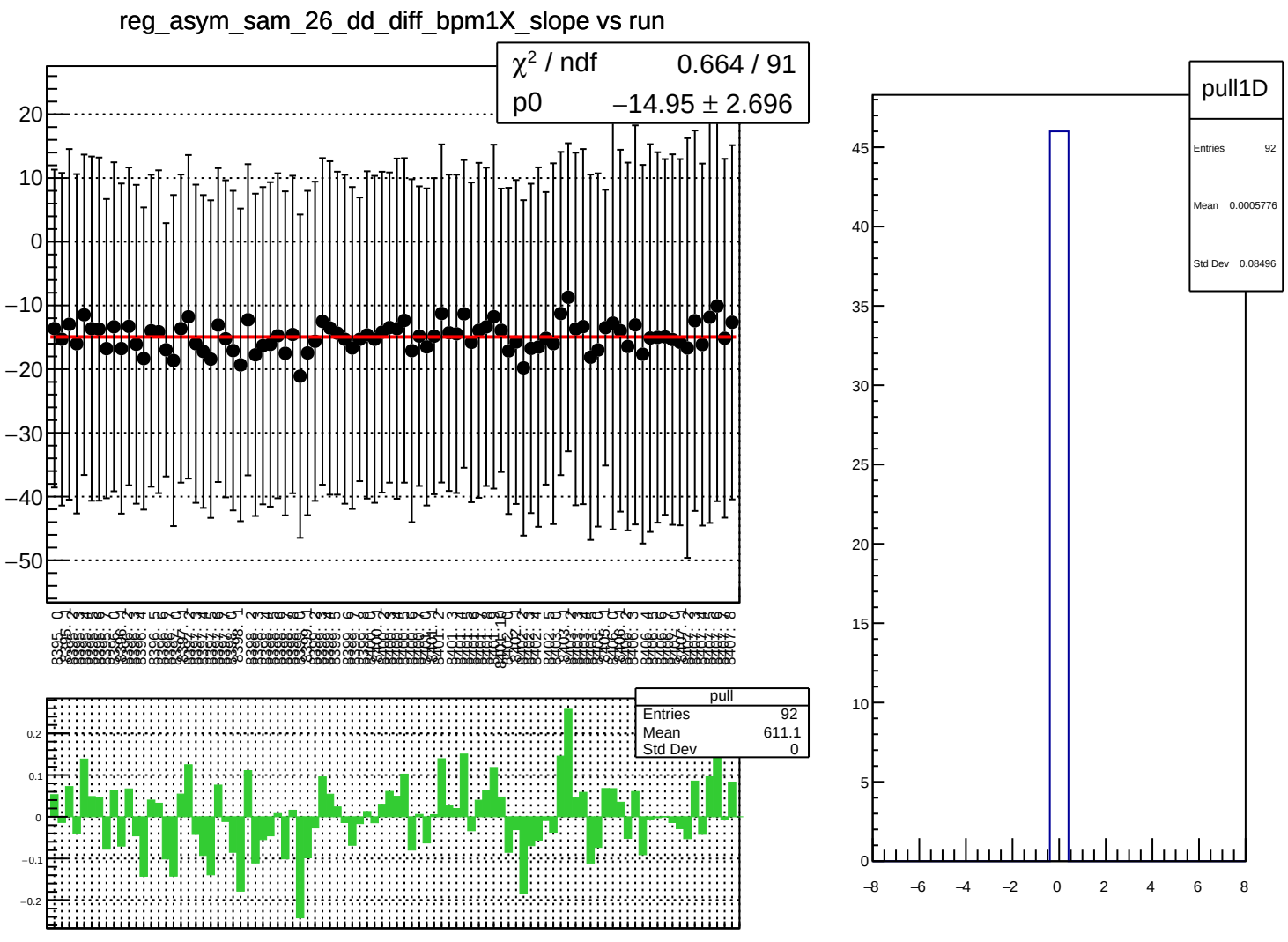

pull1D
Entries 92
Mean 0.0002769
Std Dev 0.1405

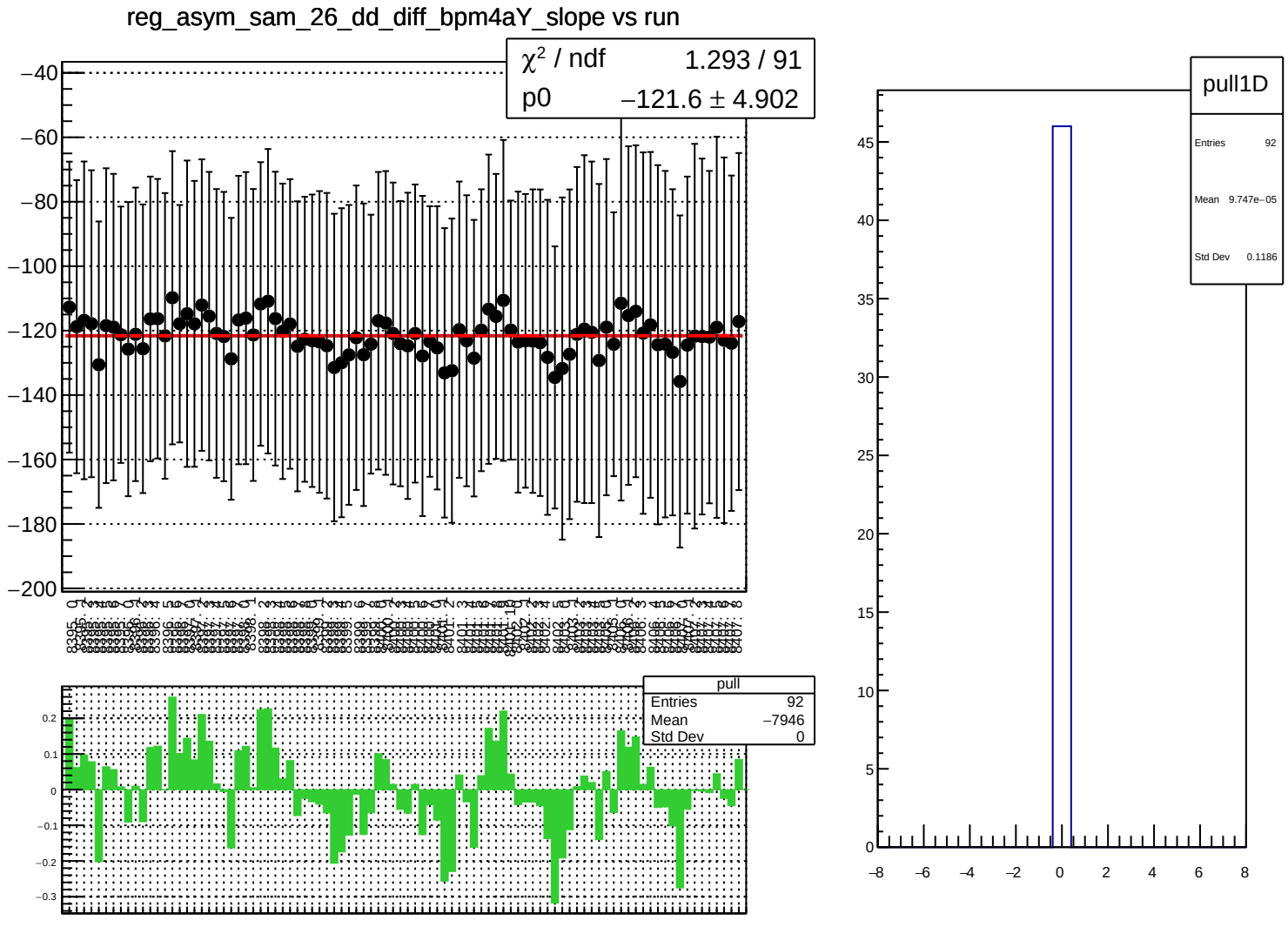
reg_asym_sam_26_avg_diff_bpm12X_slope vs run

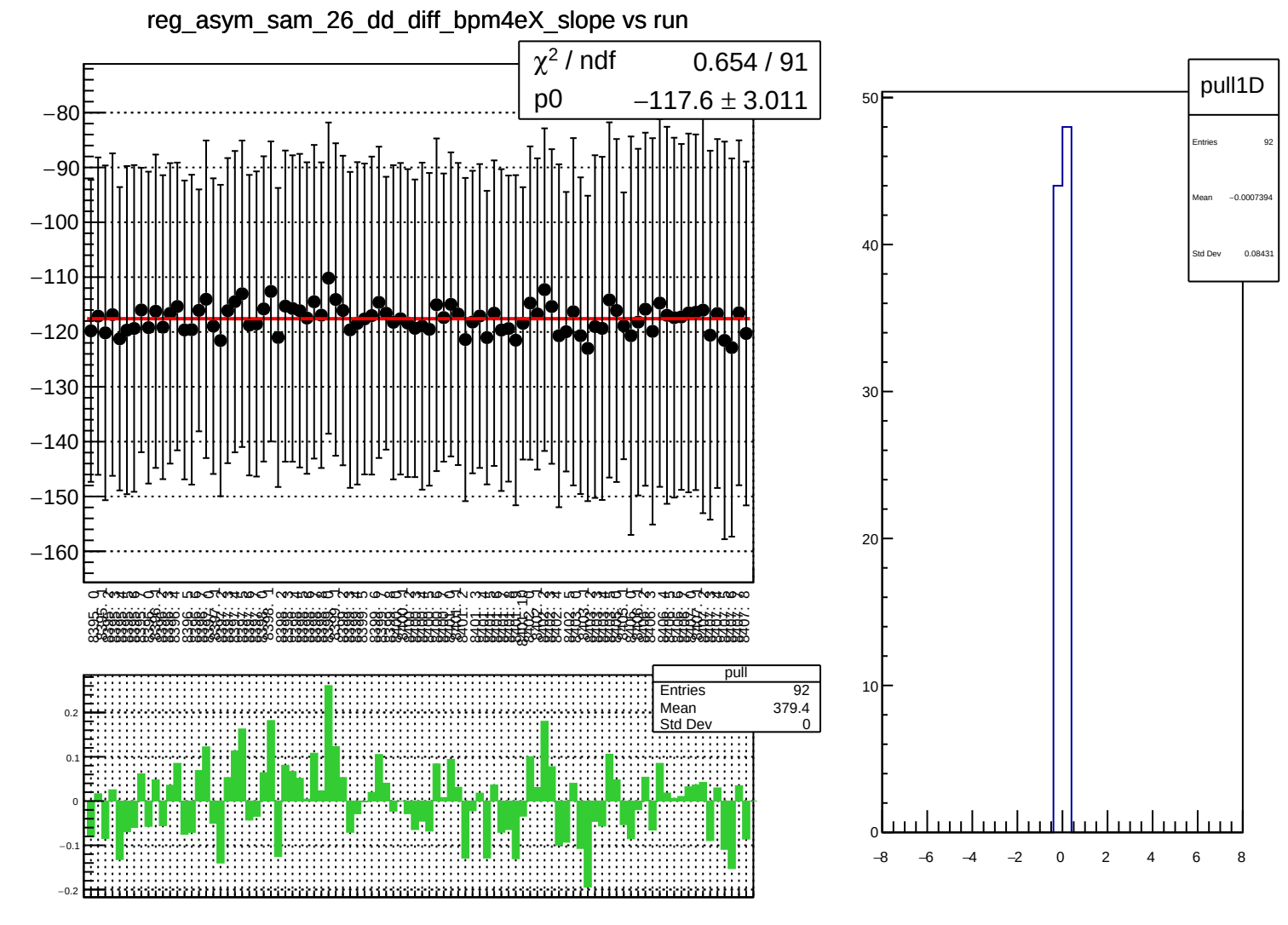


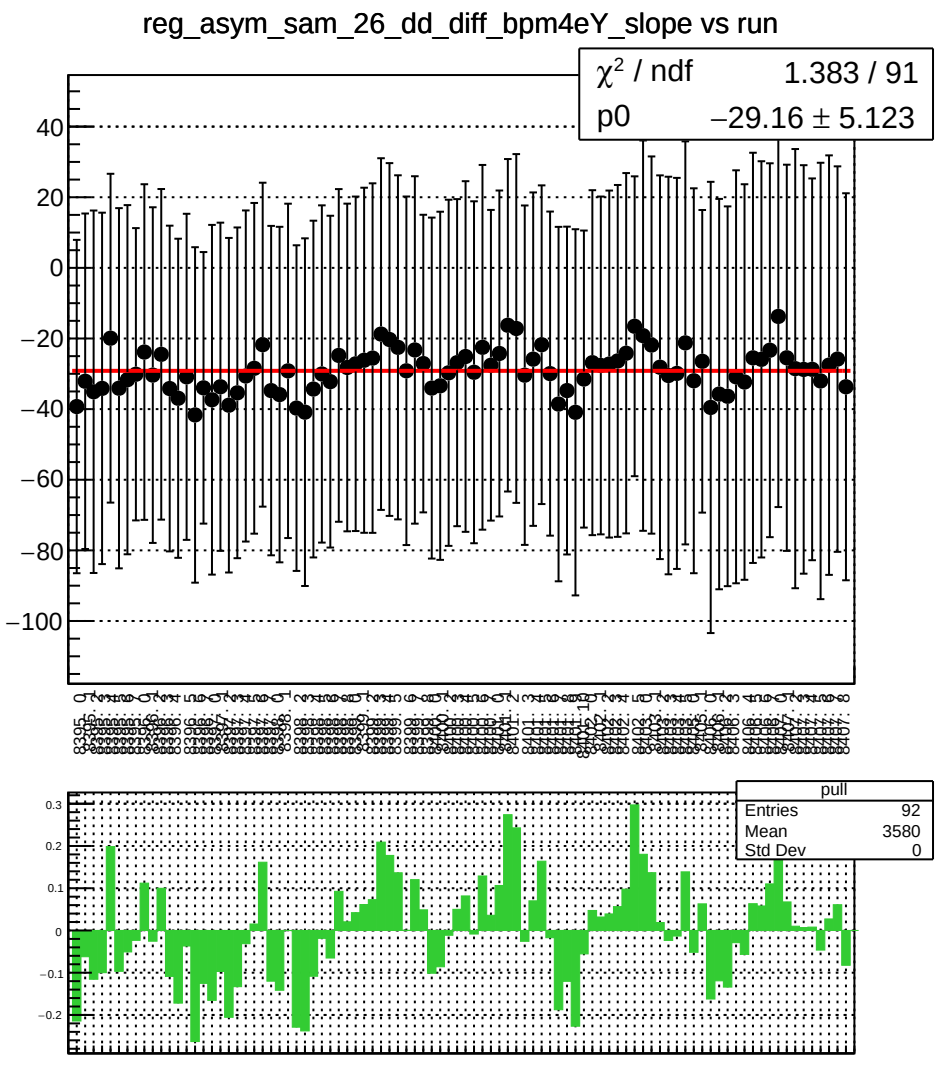



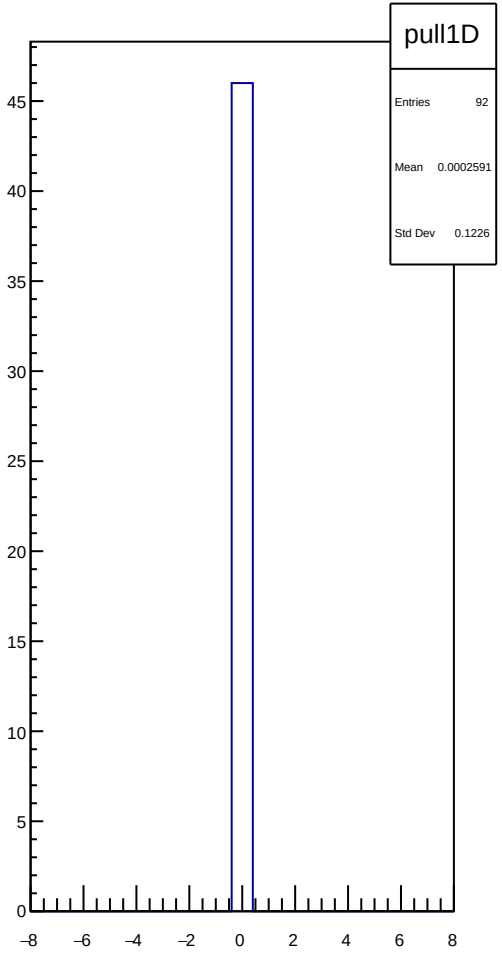



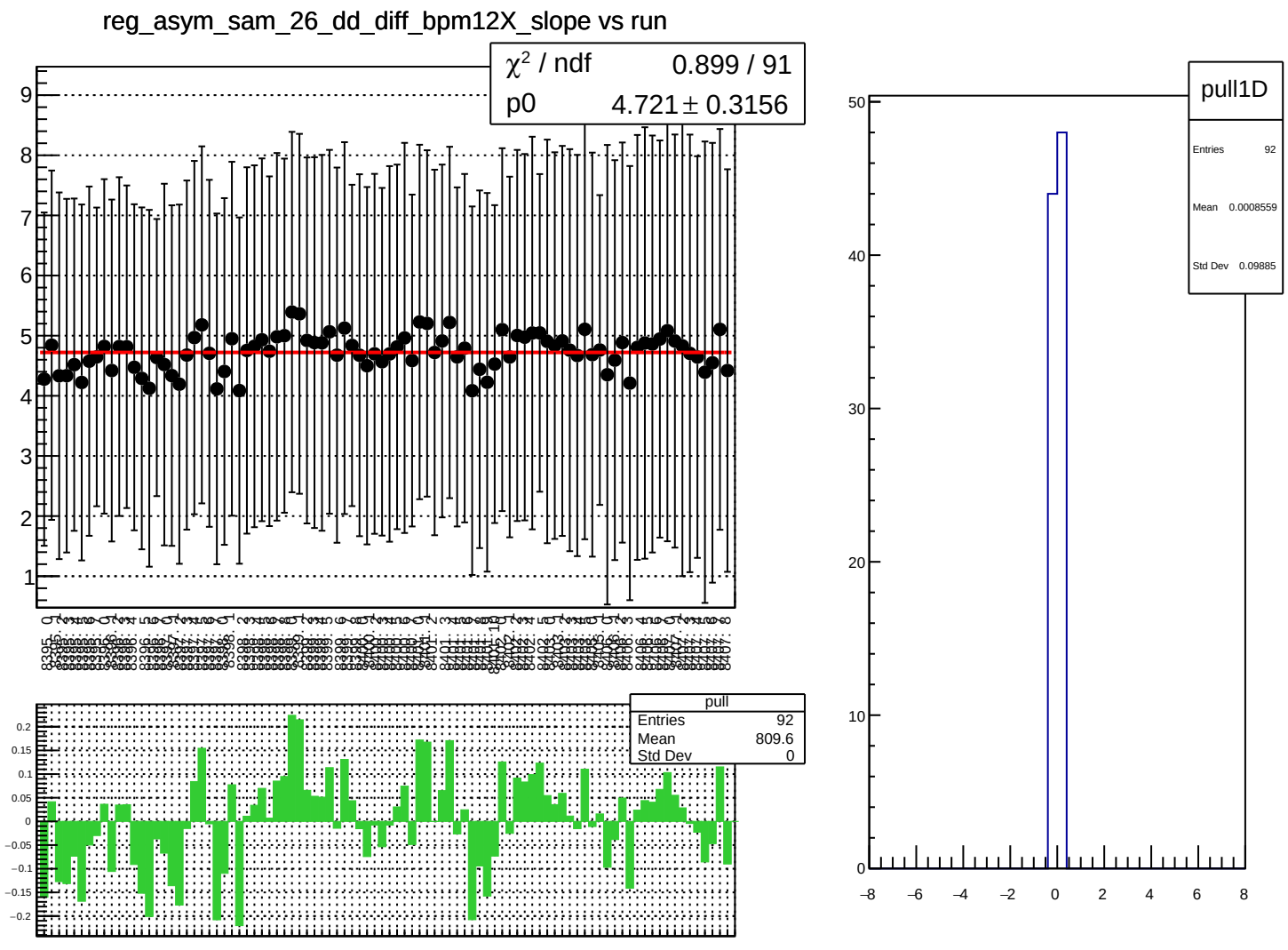

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.664 / 91
p0 −14.95 ± 2.696
pull
Entries 92
Mean 611.1
Std Dev 0
pull1D
Entries 92
Mean 0.0005776
Std Dev 0.08496

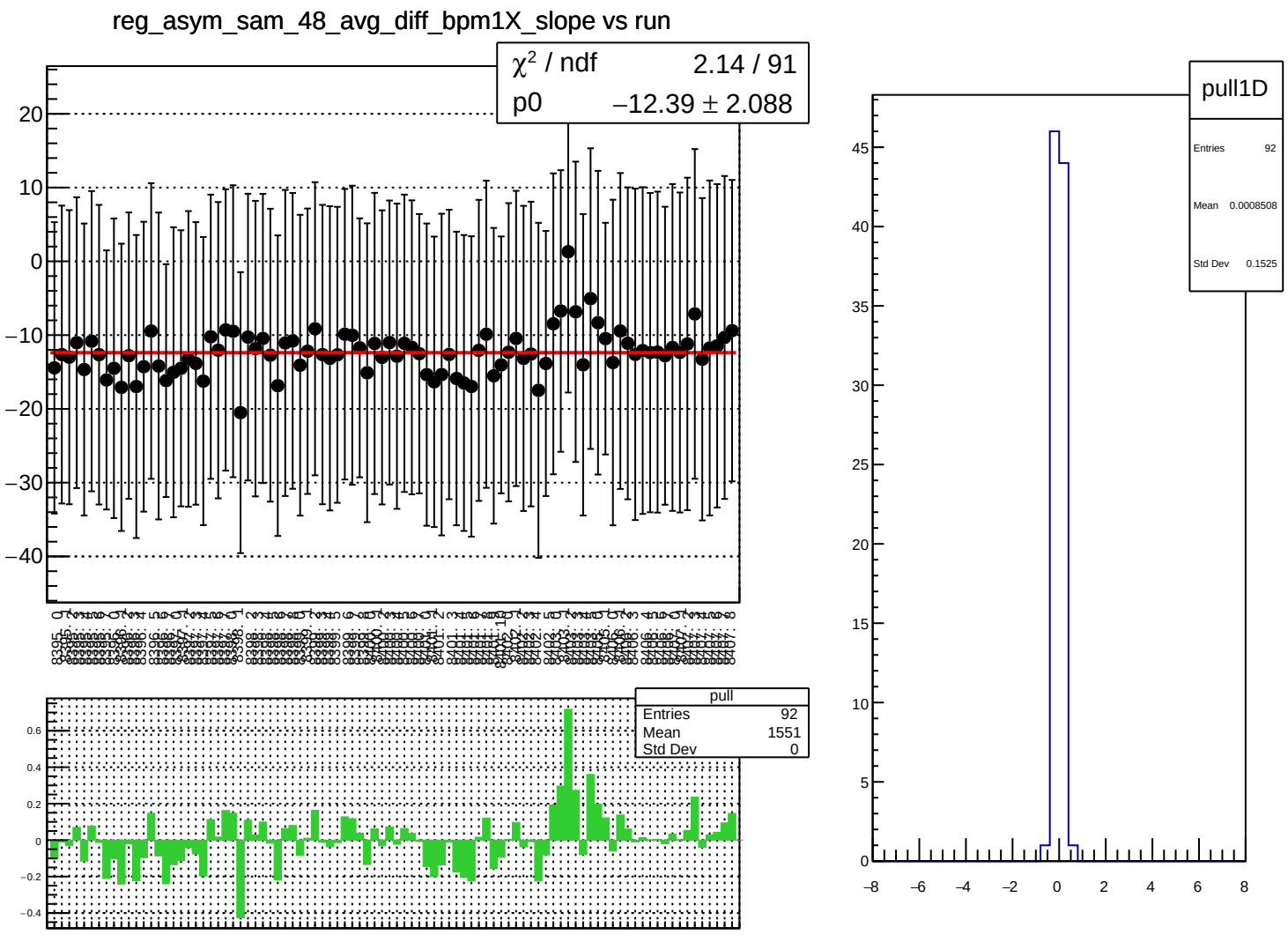

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.293 / 91
p0 −121.6 ± 4.902
pull
Entries 92
Mean −7946
Std Dev 0
pull1D
Entries 92
Mean 9.747e−05
Std Dev 0.1186

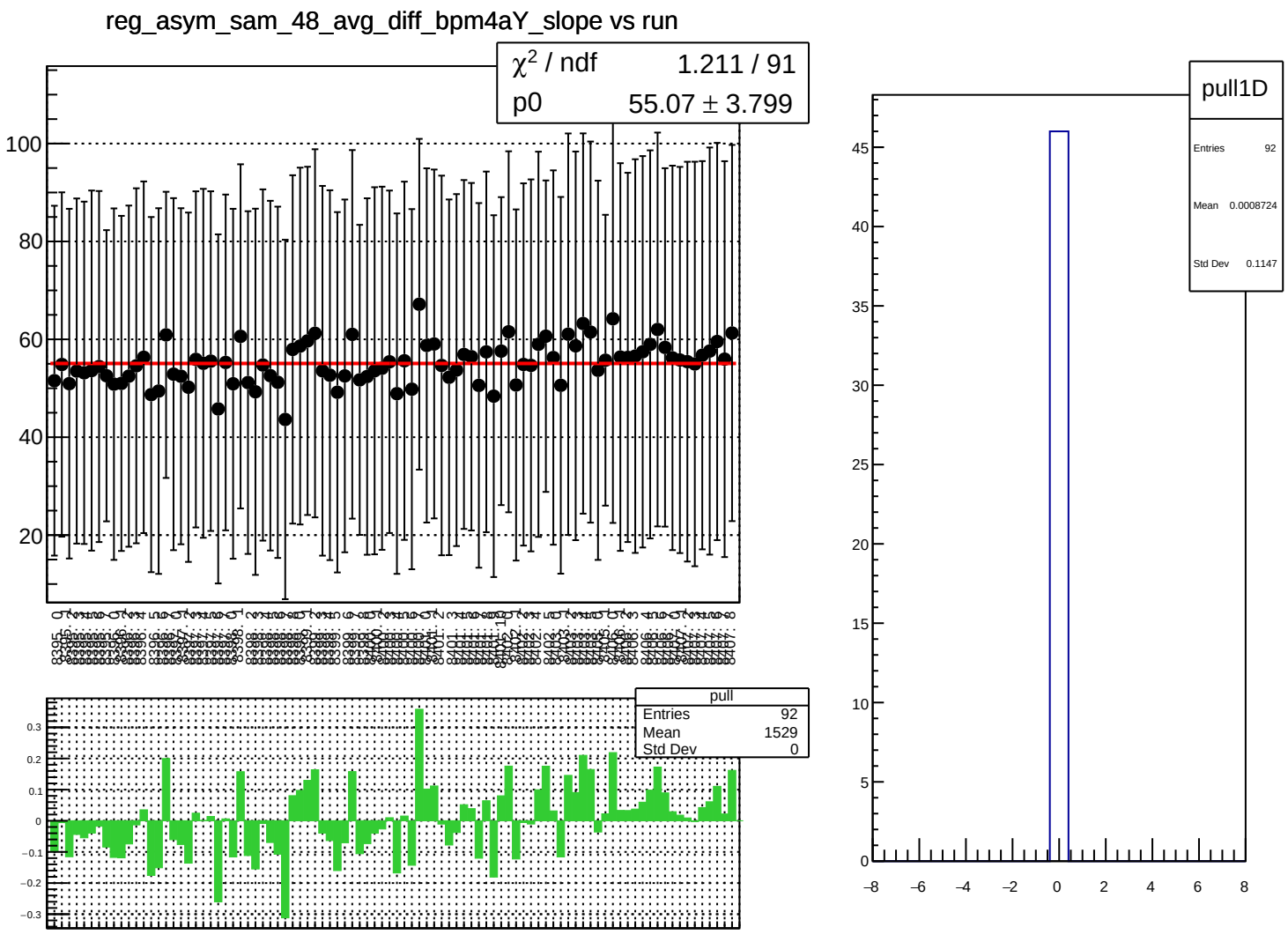

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.654 / 91
p0 −117.6 ± 3.011
pull
Entries 92
Mean 379.4
Std Dev 0
pull1D
Entries 92
Mean −0.0007394
Std Dev 0.08431

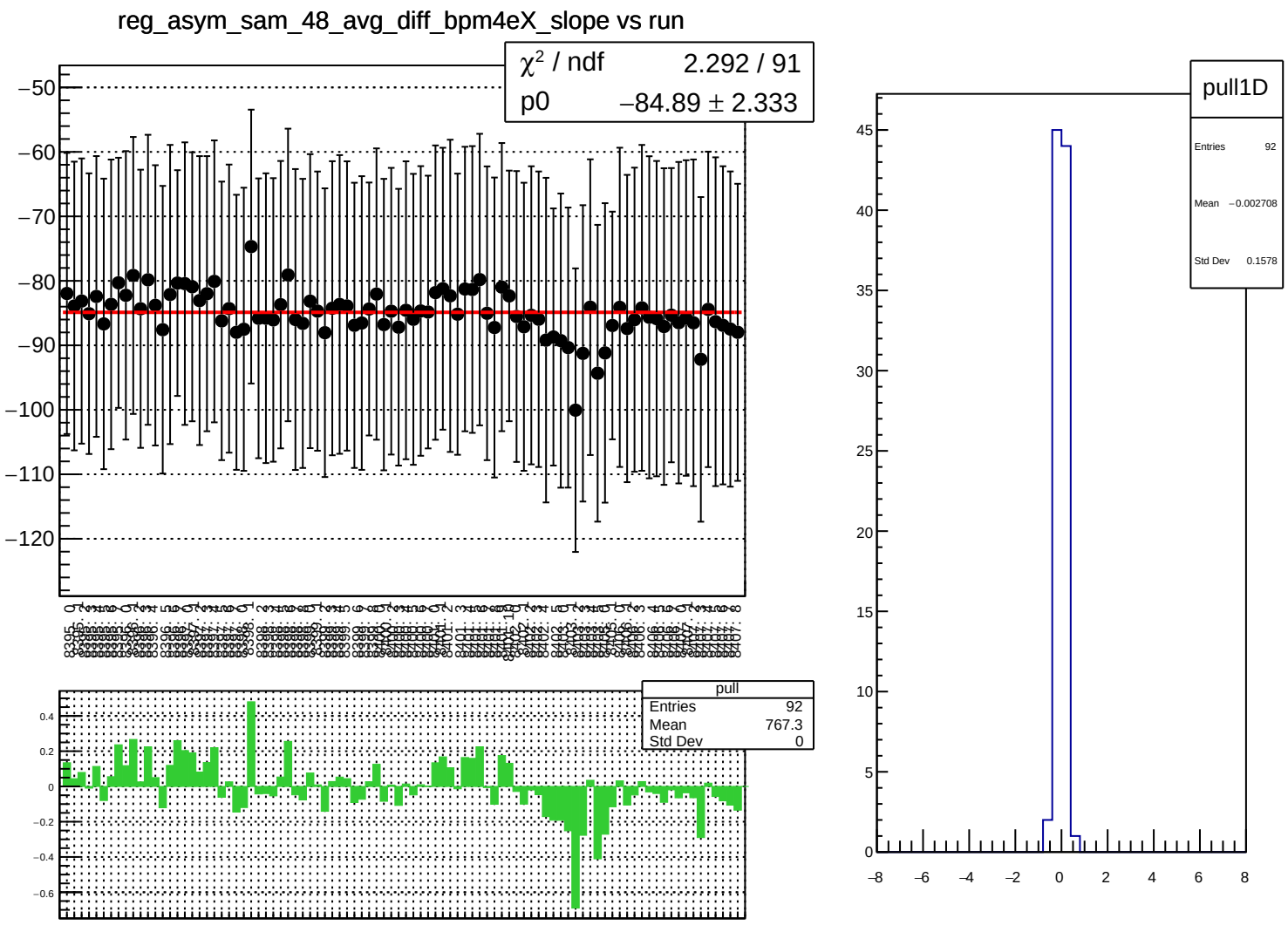

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.383 / 91
p0 −29.16 ± 5.123
pull
Entries 92
Mean 3580
Std Dev 0

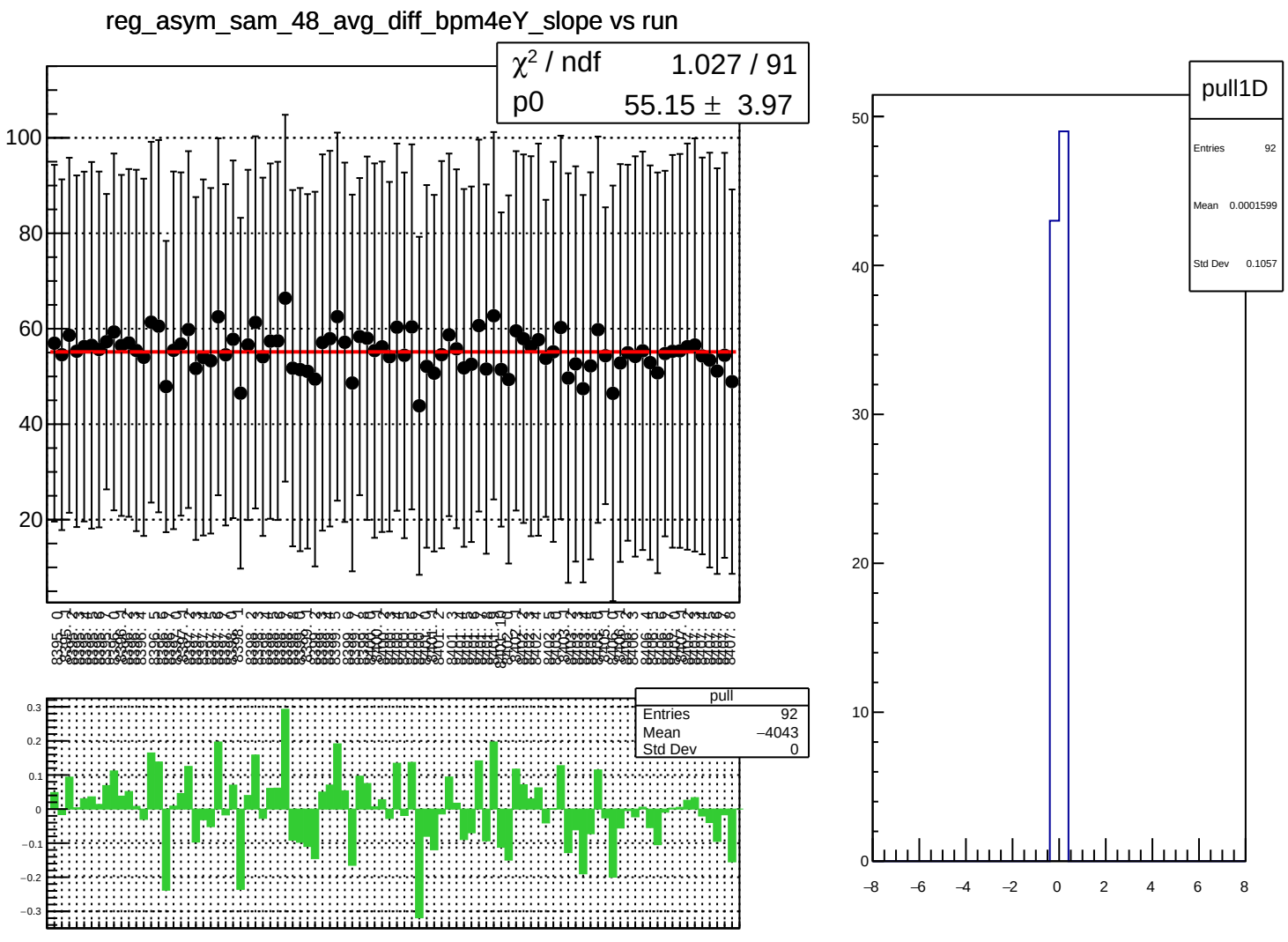

pull1D
Entries 92
Mean 0.0002591
Std Dev 0.1226

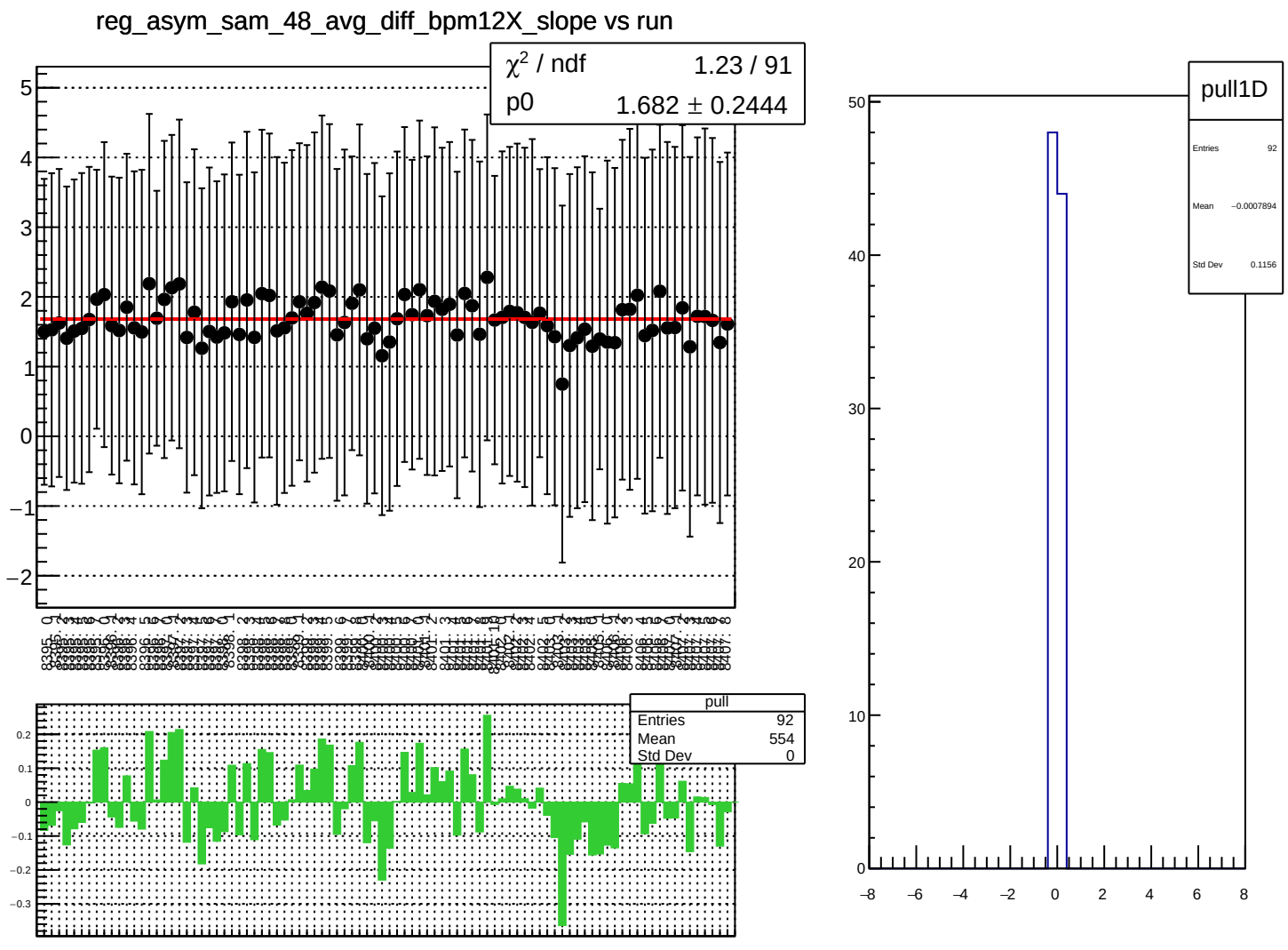

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.899 / 91
p0 4.721 ± 0.3156
pull
Entries 92
Mean 809.6
Std Dev 0
pull1D
Entries 92
Mean 0.0008559
Std Dev 0.09885

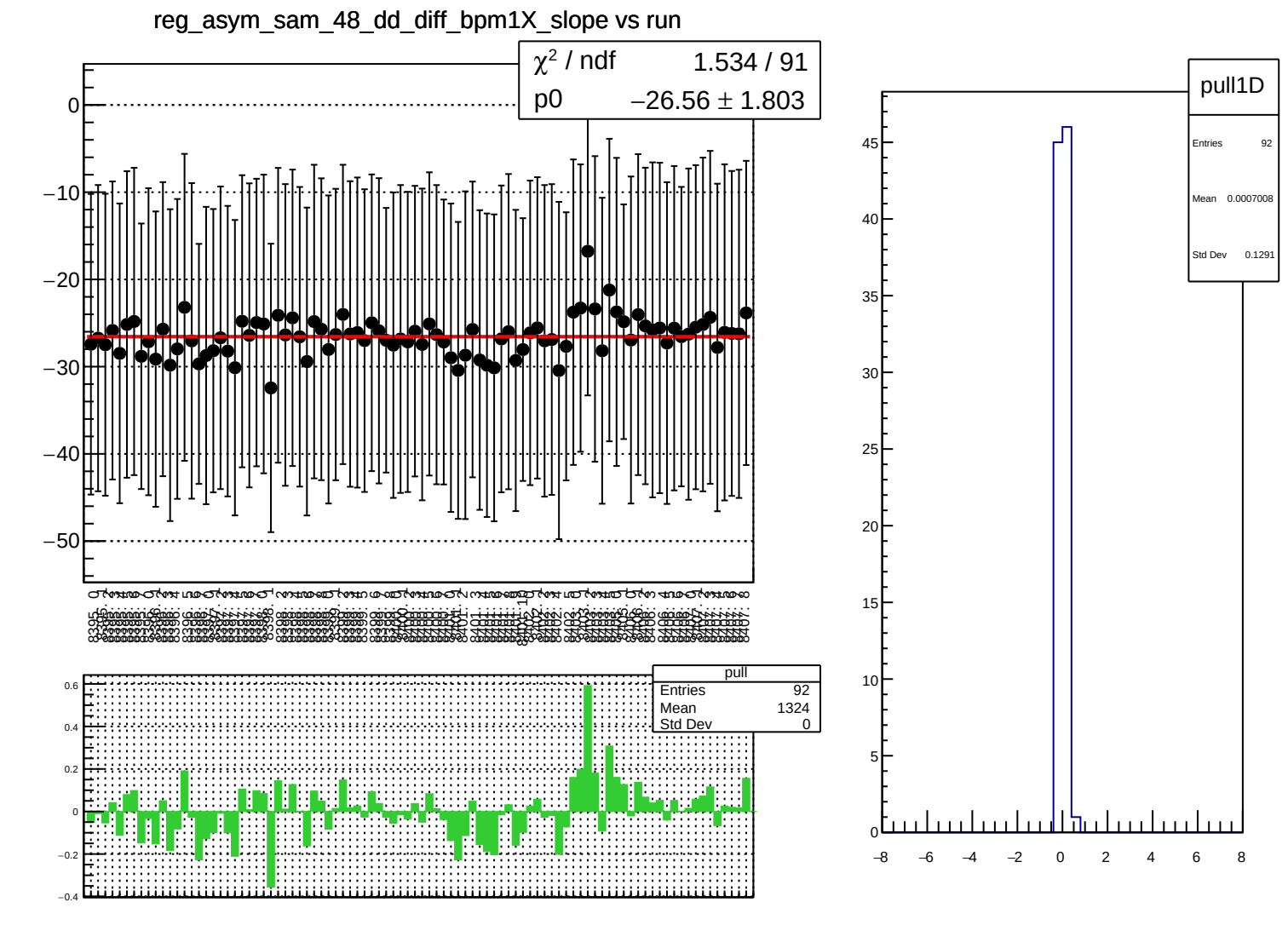

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 2.14 / 91
p0 −12.39 ± 2.088
pull
Entries 92
Mean 1551
Std Dev 0
pull1D
Entries 92
Mean 0.0008508
Std Dev 0.1525

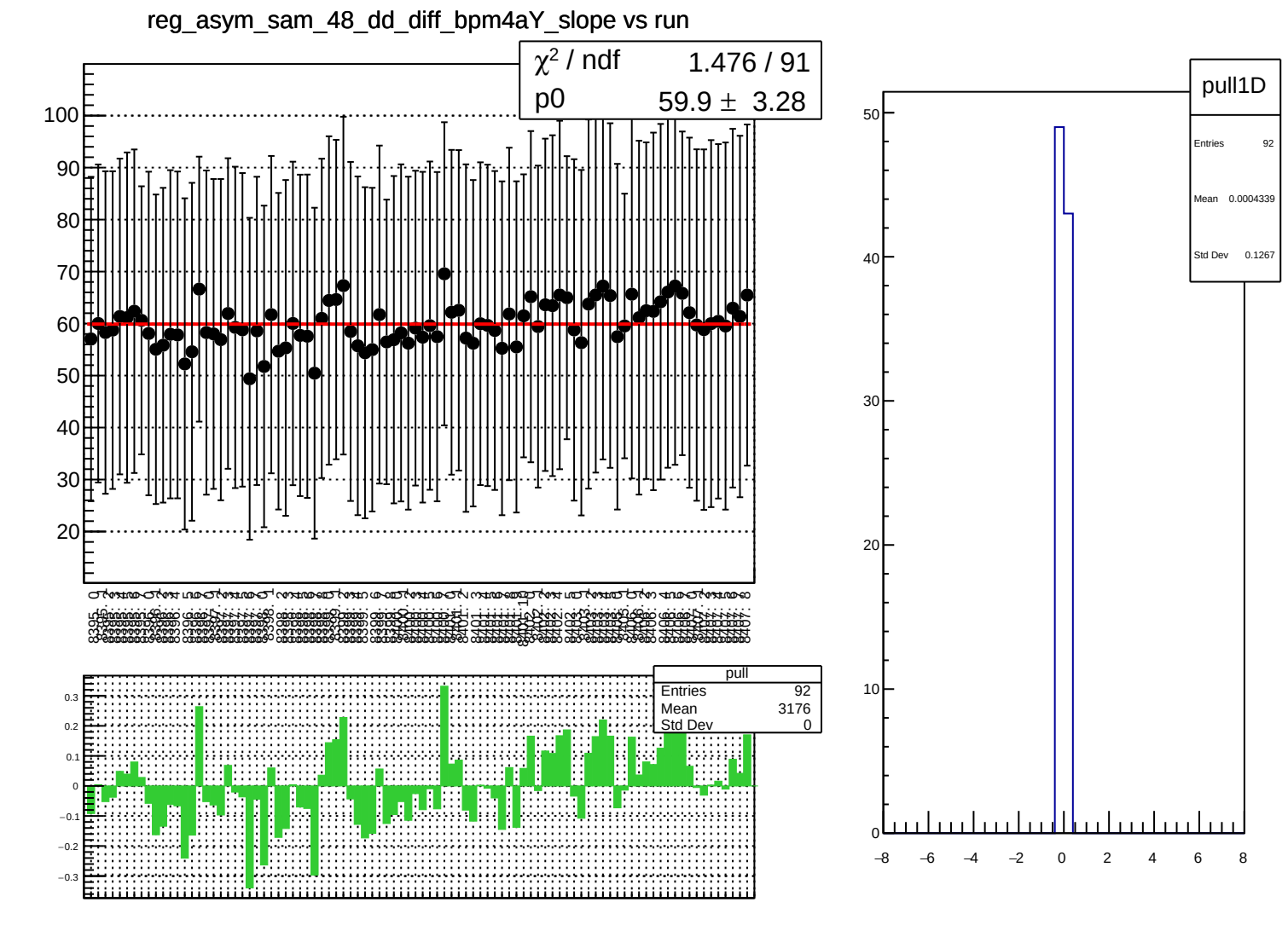

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.211 / 91
p0 55.07 ± 3.799
pull
Entries 92
Mean 1529
Std Dev 0
pull1D
Entries 92
Mean 0.0008724
Std Dev 0.1147

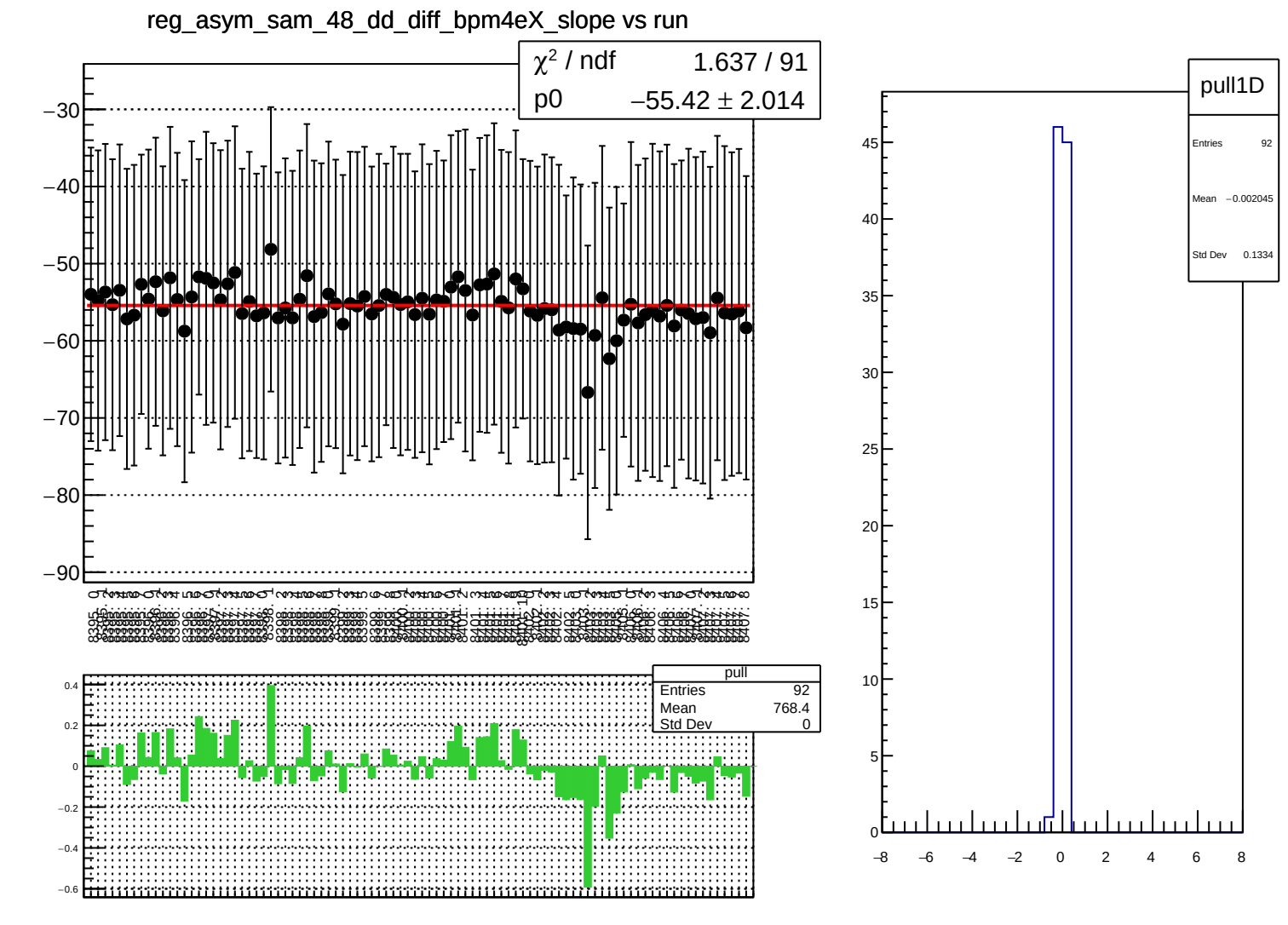

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.292 / 91
p0 −84.89 ± 2.333
pull
Entries 92
Mean 767.3
Std Dev 0
pull1D
Entries 92
Mean −0.002708
Std Dev 0.1578

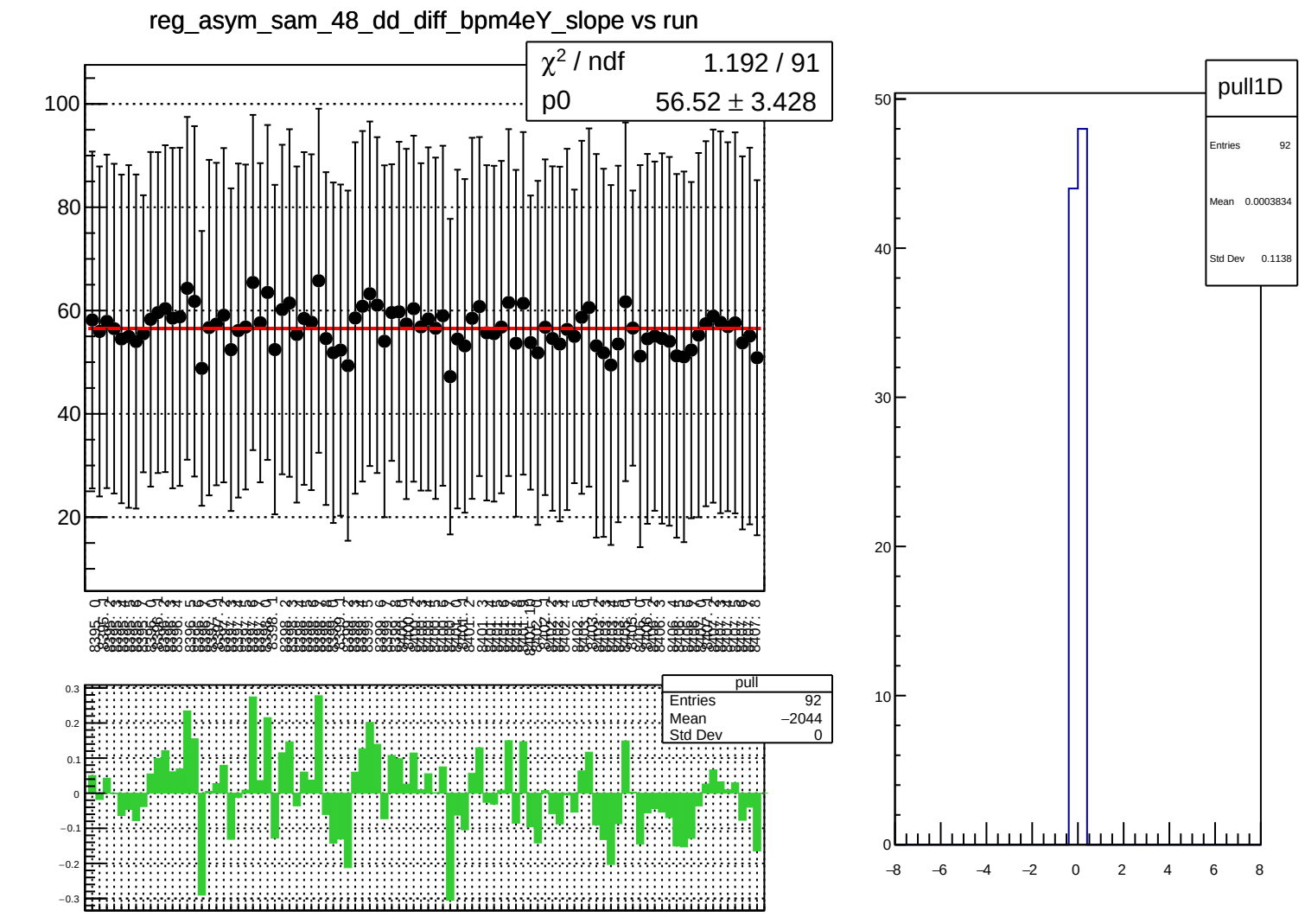

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.027 / 91
p0 55.15 ± 3.97
pull
Entries 92
Mean −4043
Std Dev 0
pull1D
Entries 92
Mean 0.0001599
Std Dev 0.1057

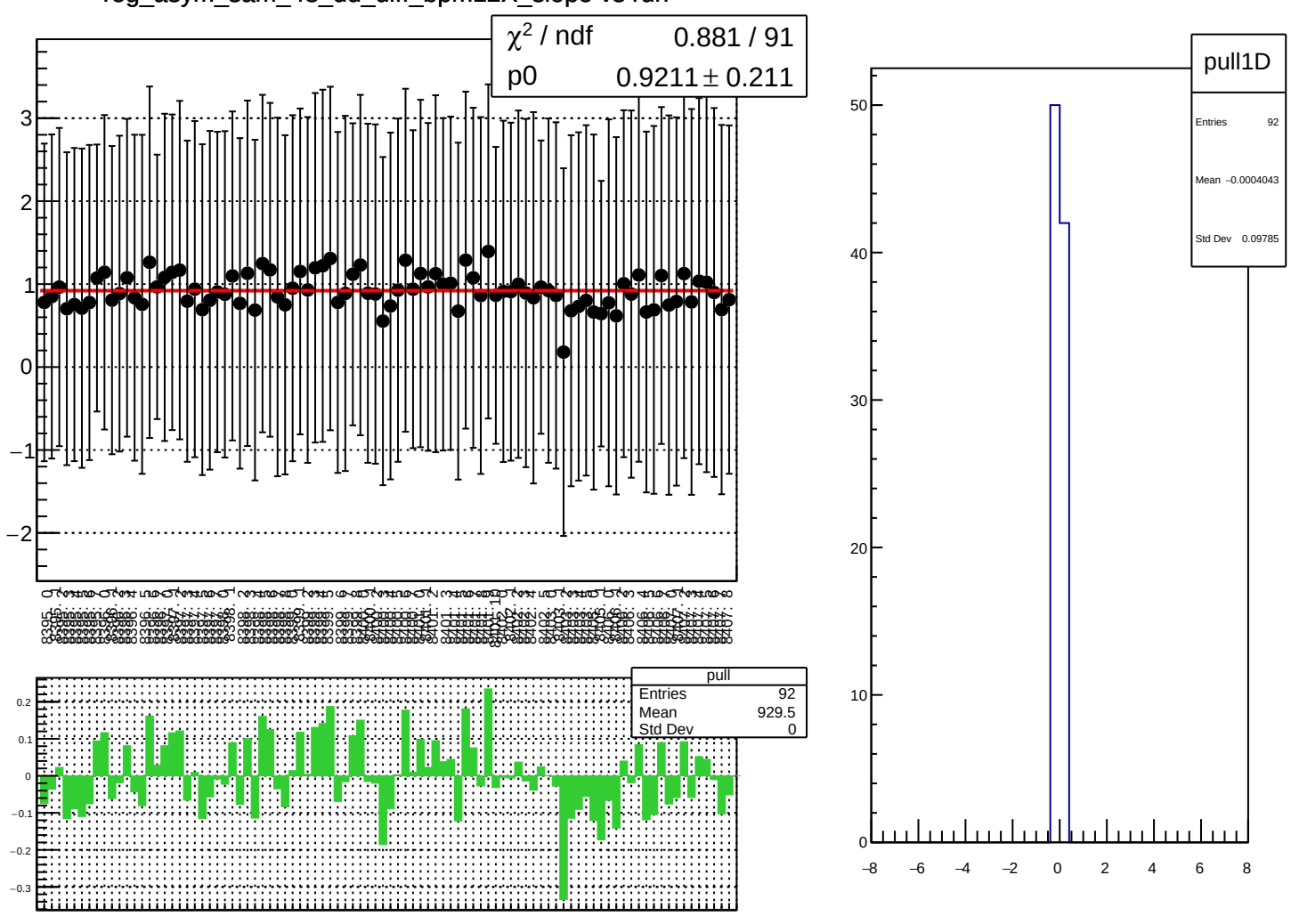

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.23 / 91
p0 1.682 ± 0.2444
pull
Entries 92
Mean 554
Std Dev 0
pull1D
Entries 92
Mean −0.0007894
Std Dev 0.1156

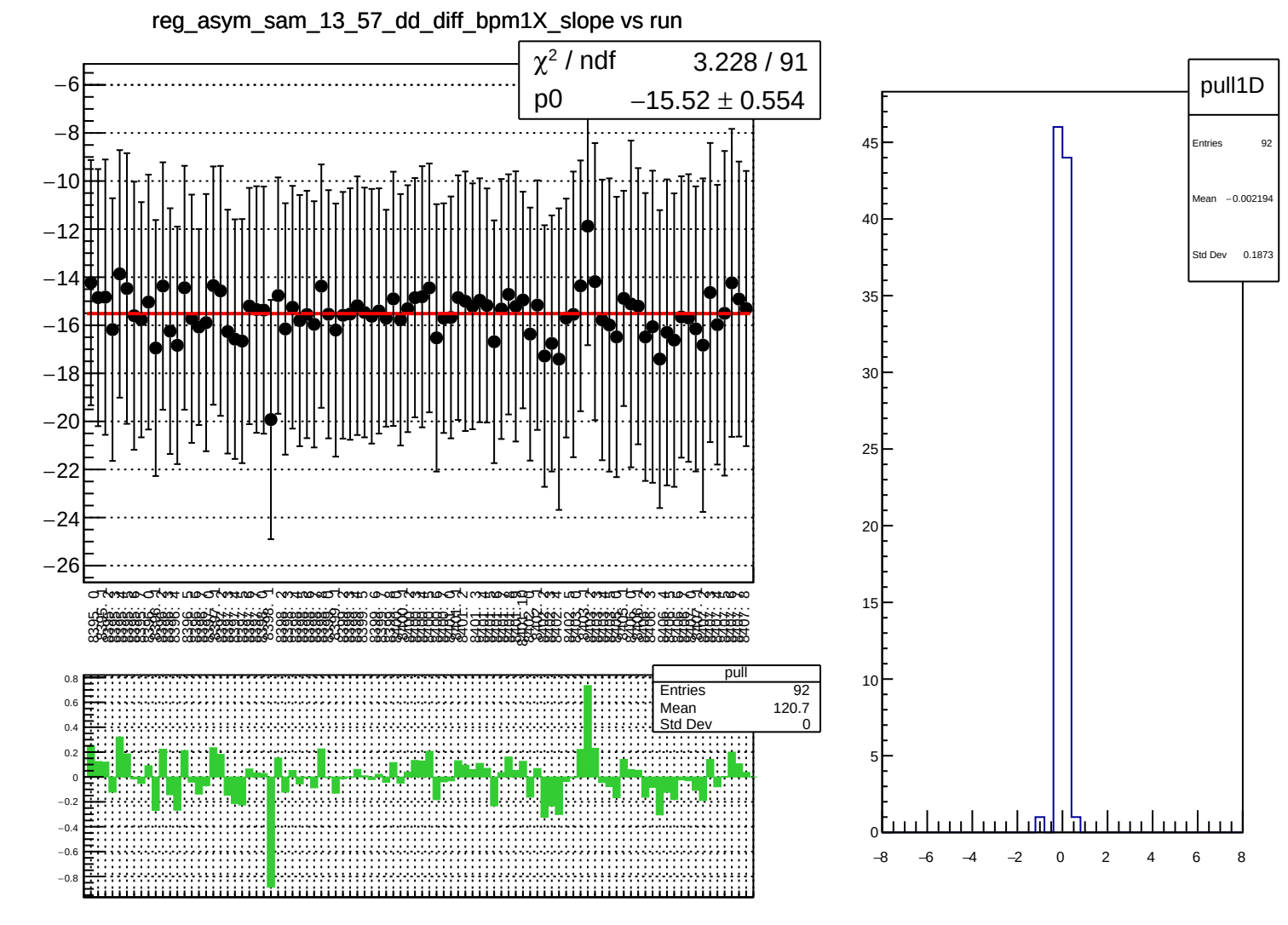

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.534 / 91
p0 −26.56 ± 1.803
pull
Entries 92
Mean 1324
Std Dev 0
pull1D
Entries 92
Mean 0.0007008
Std Dev 0.1291

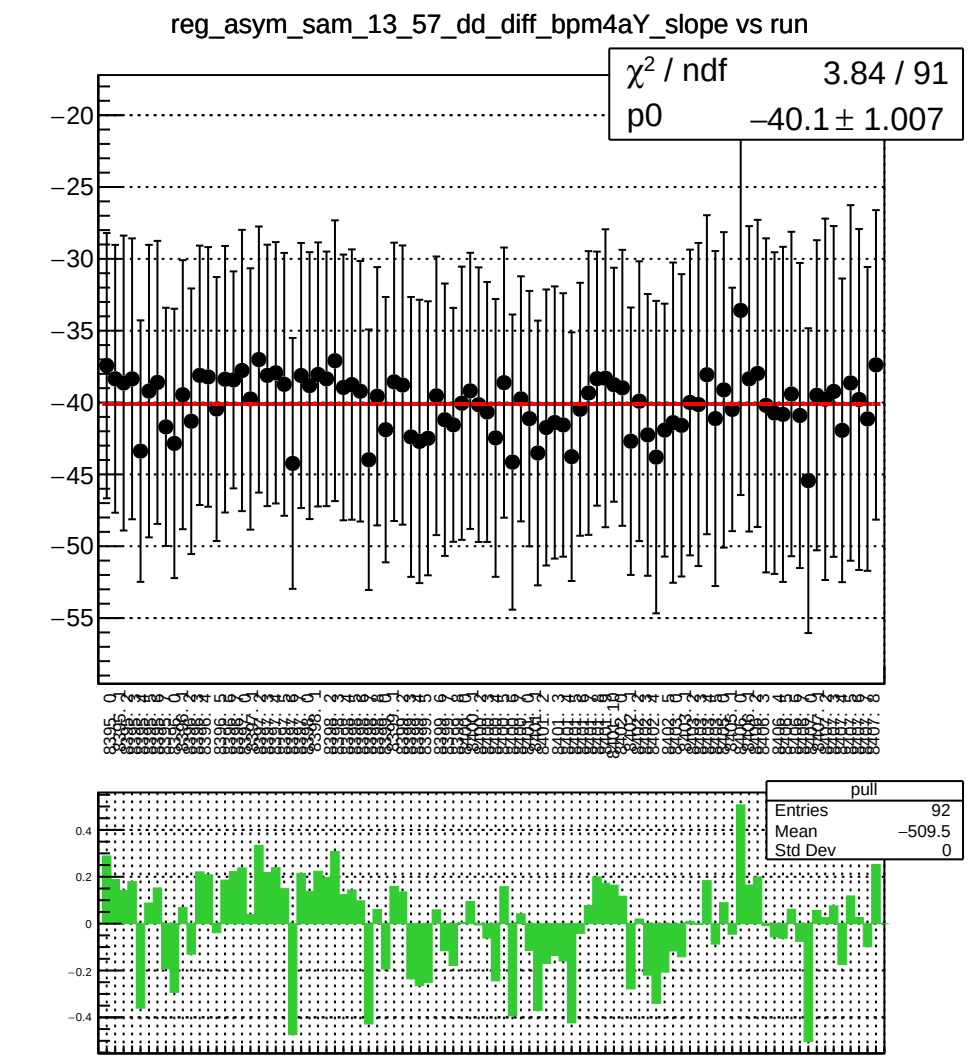

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.476 / 91
p0 59.9 ± 3.28
pull
Entries 92
Mean 3176
Std Dev 0
pull1D
Entries 92
Mean 0.0004339
Std Dev 0.1267

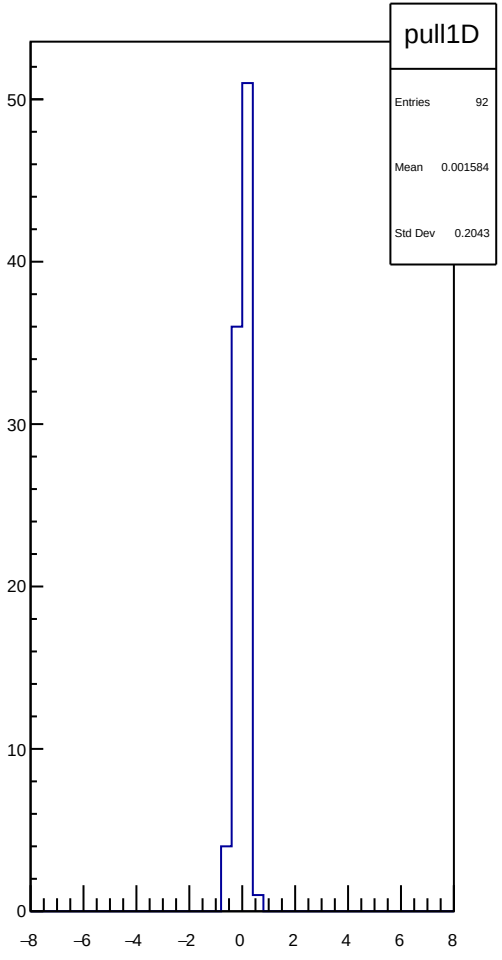

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.637 / 91
p0 −55.42 ± 2.014
pull
Entries 92
Mean 768.4
Std Dev 0
pull1D
Entries 92
Mean −0.002045
Std Dev 0.1334

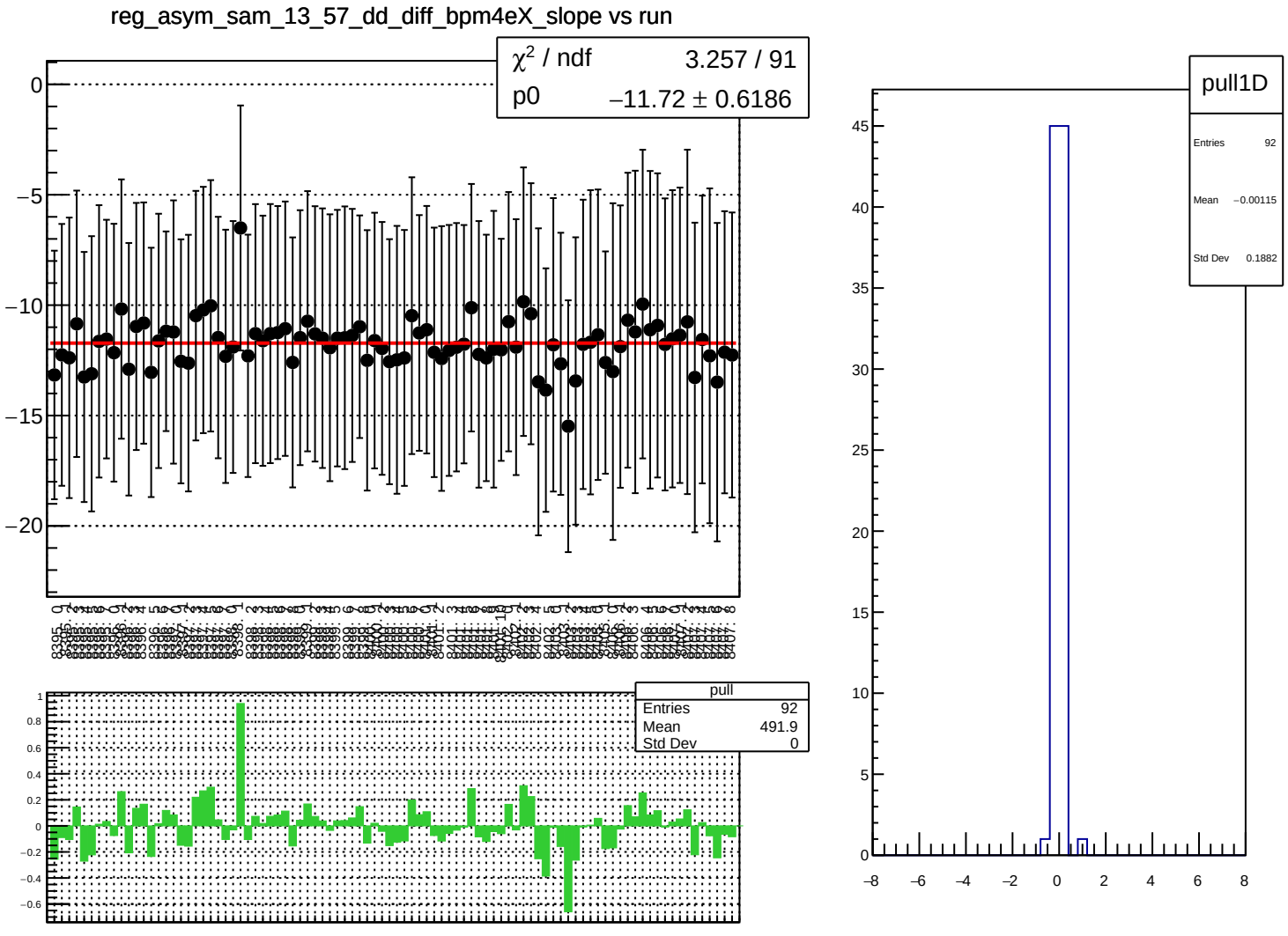

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.192 / 91
p0 56.52 ± 3.428
pull
Entries 92
Mean −2044
Std Dev 0
pull1D
Entries 92
Mean 0.0003834
Std Dev 0.1138

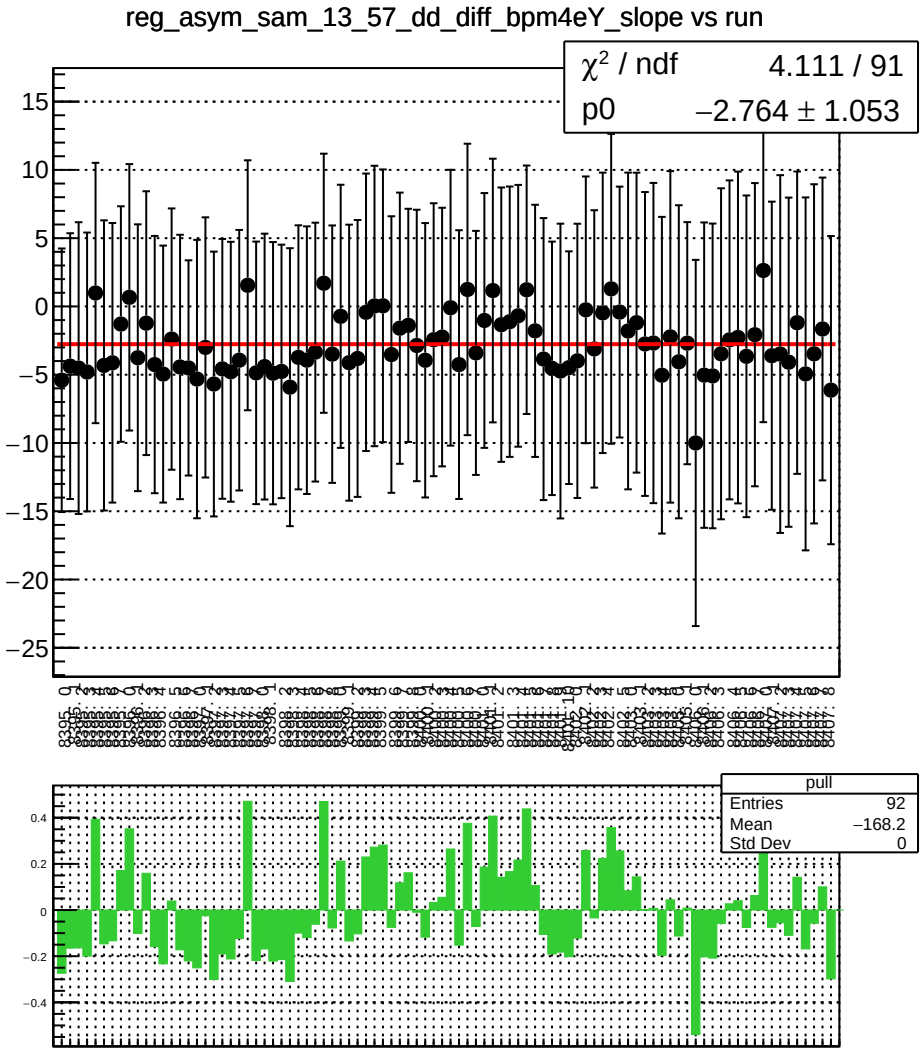

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.881 / 91
p0 0.9211 ± 0.211
pull
Entries 92
Mean 929.5
Std Dev 0
pull1D
Entries 92
Mean −0.0004043
Std Dev 0.09785

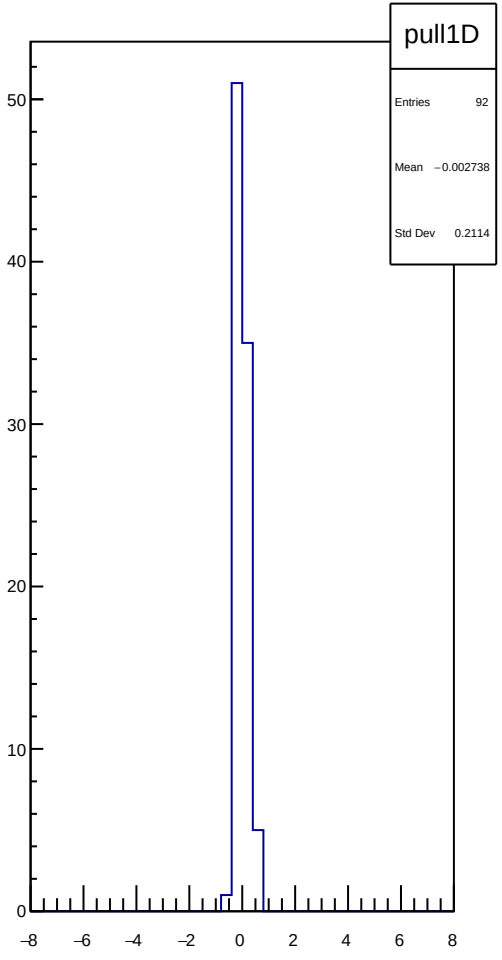

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 3.228 / 91
p0 −15.52 ± 0.554
pull
Entries 92
Mean 120.7
Std Dev 0
pull1D
Entries 92
Mean −0.002194
Std Dev 0.1873

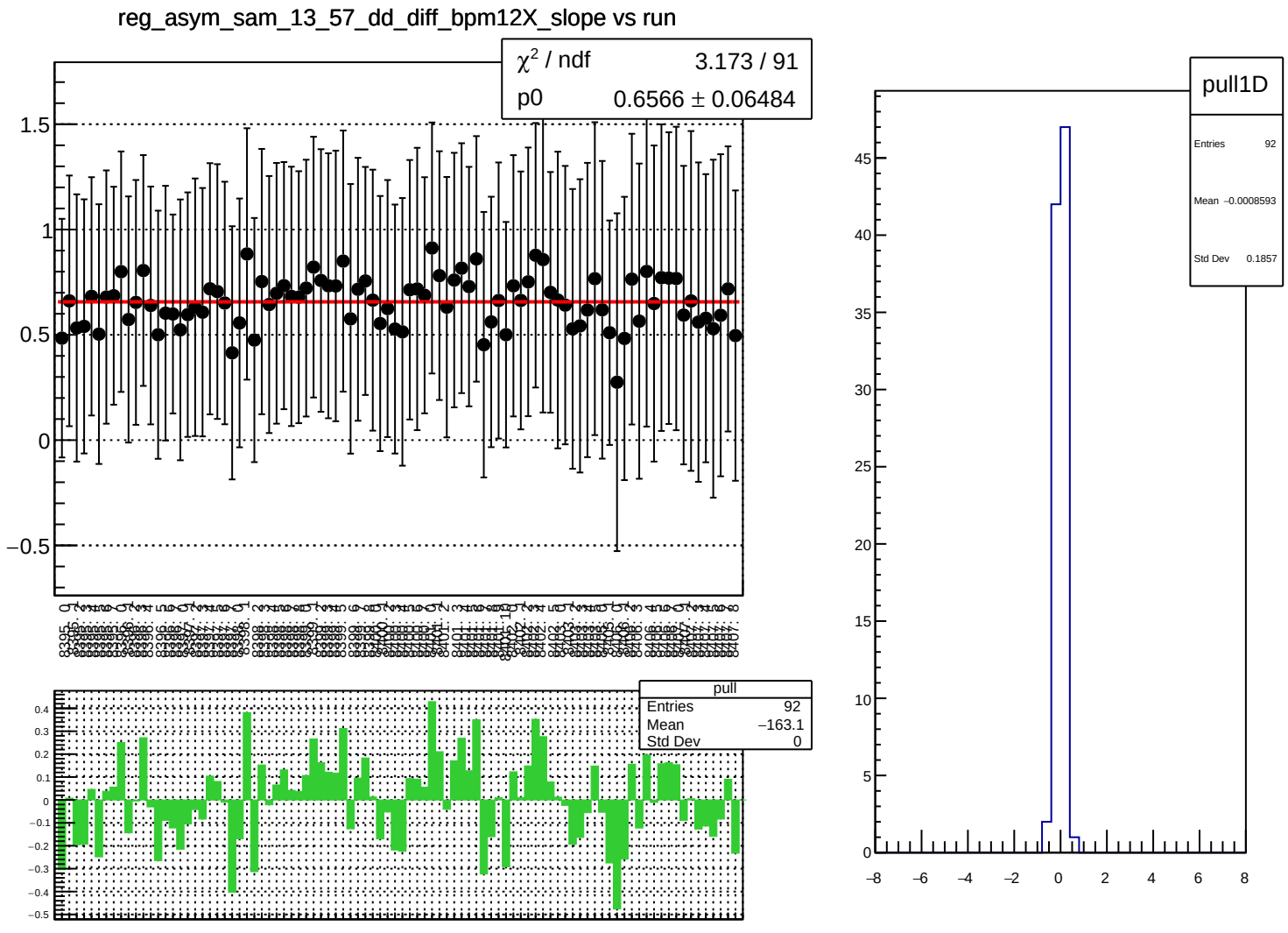

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.84 / 91
p0 −40.1 ± 1.007
pull
Entries 92
Mean −509.5
Std Dev 0

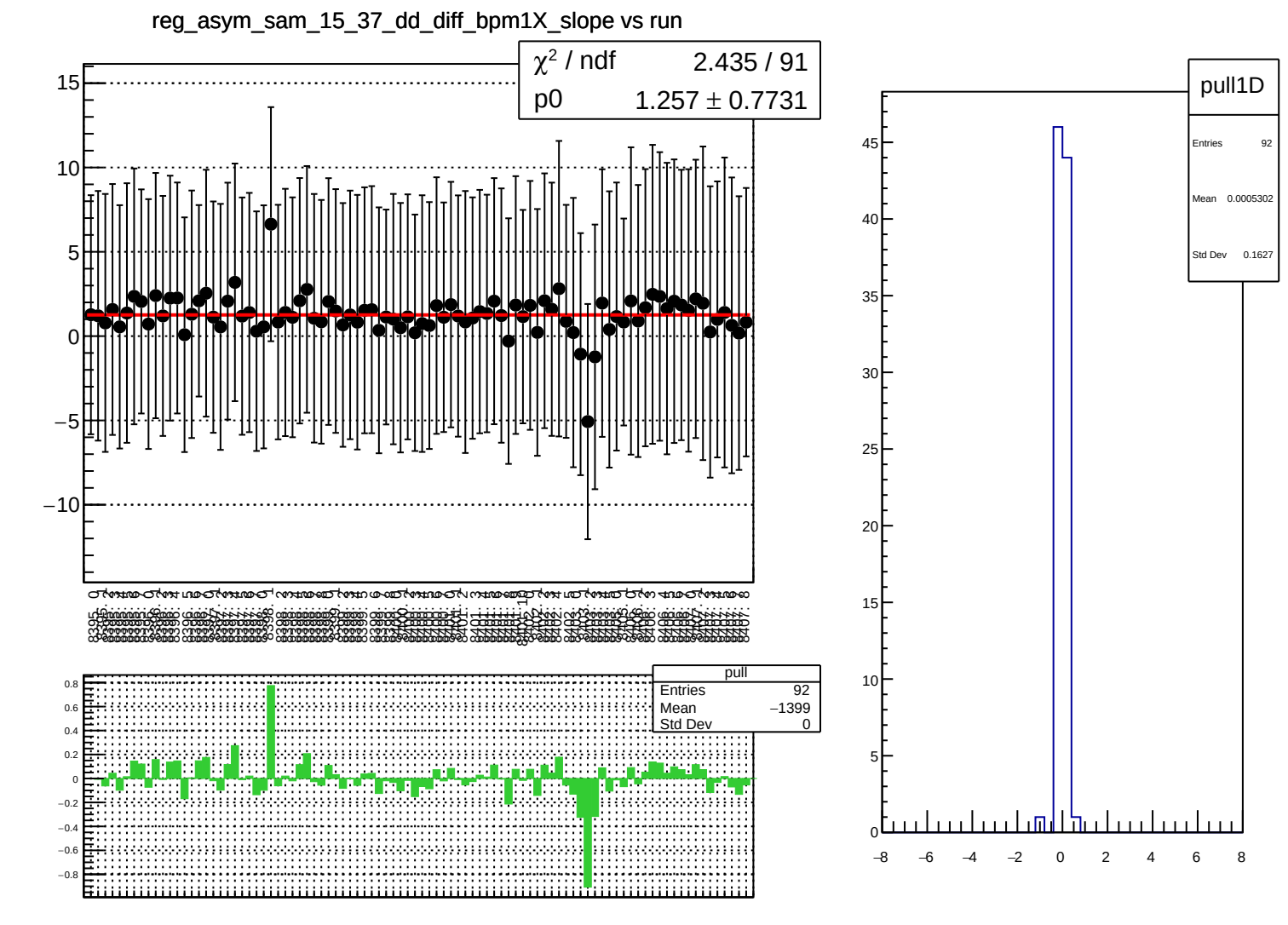

pull1D
Entries 92
Mean 0.001584
Std Dev 0.2043

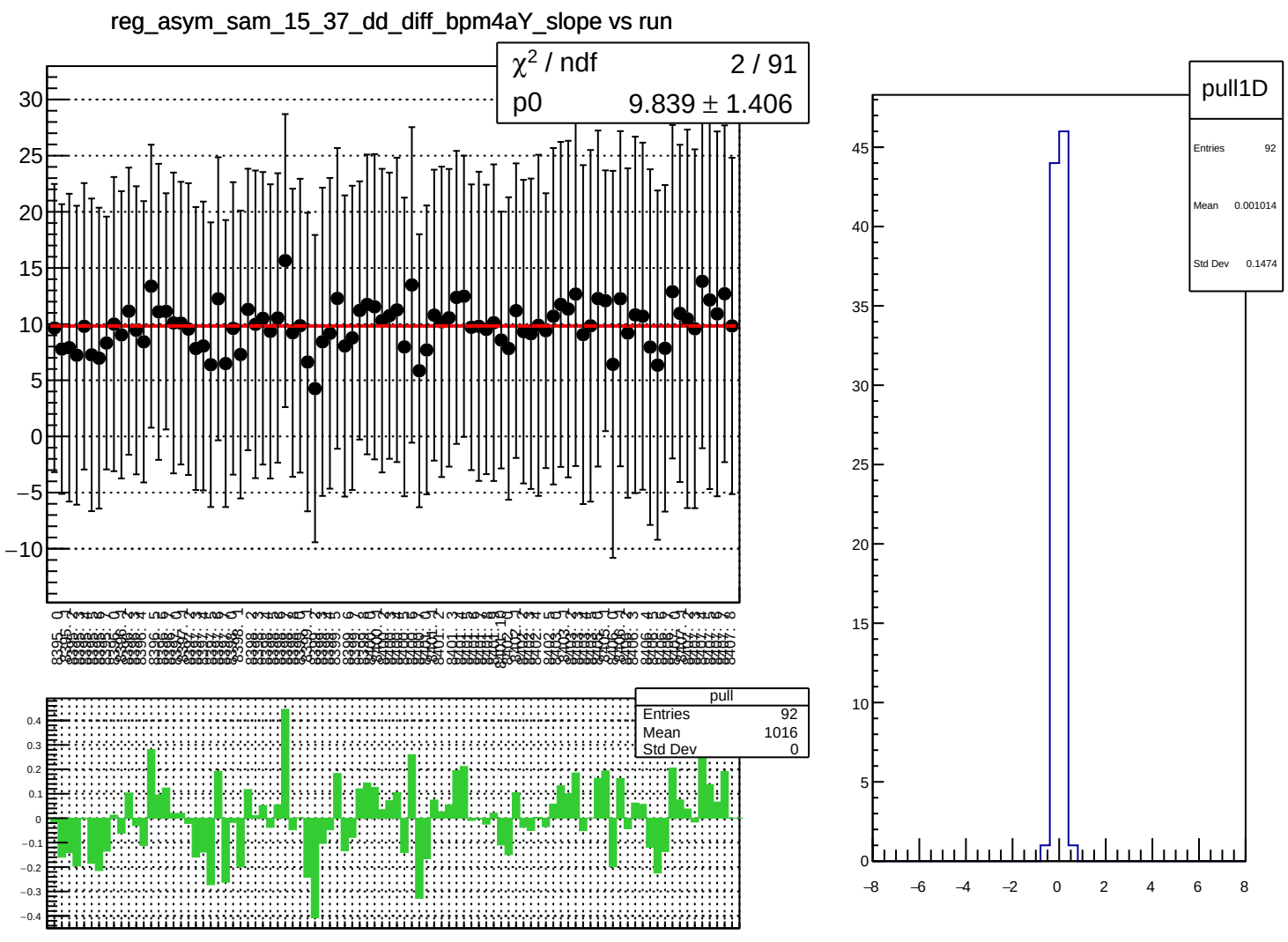

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.257 / 91
p0 −11.72 ± 0.6186
pull
Entries 92
Mean 491.9
Std Dev 0
pull1D
Entries 92
Mean −0.00115
Std Dev 0.1882

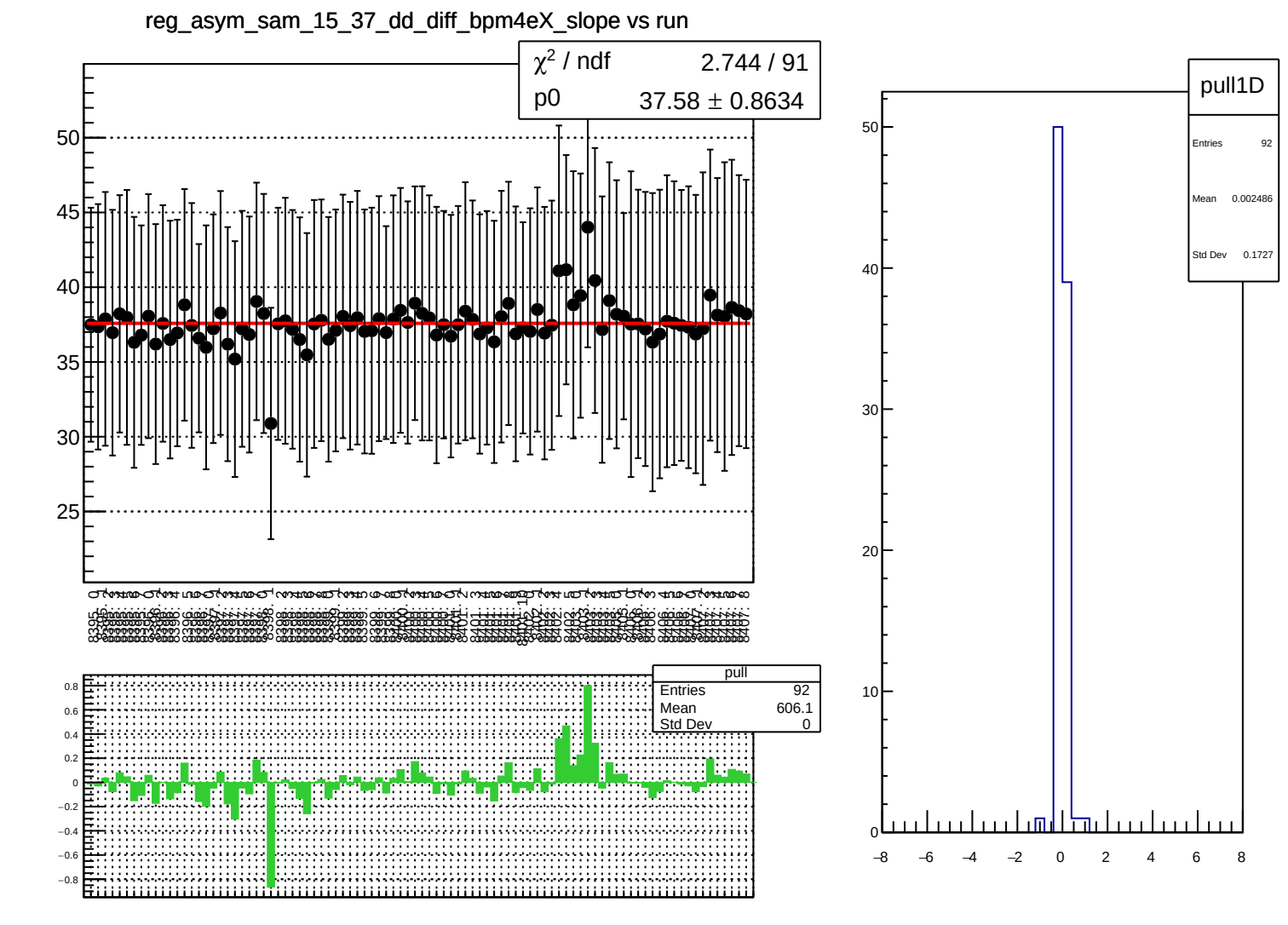

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.111 / 91
p0 −2.764 ± 1.053
pull
Entries 92
Mean −168.2
Std Dev 0

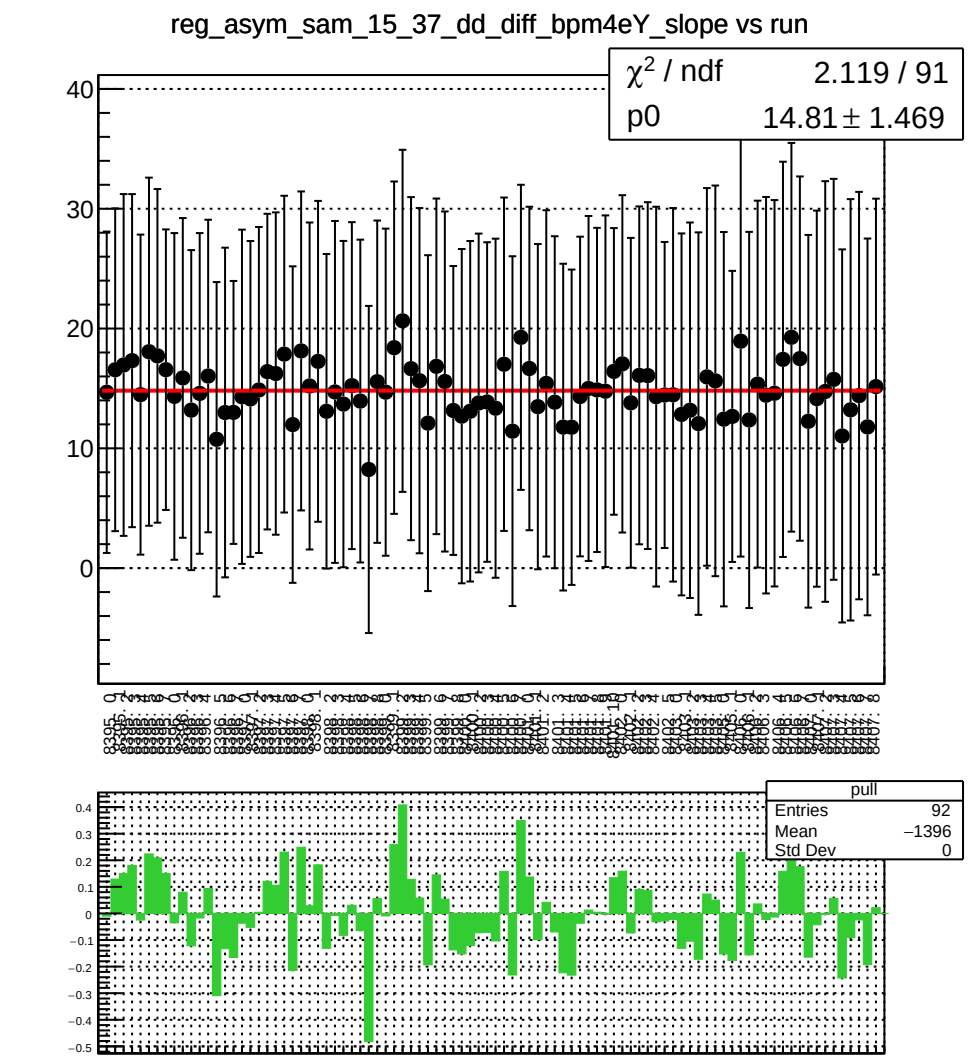

pull1D
Entries 92
Mean −0.002738
Std Dev 0.2114

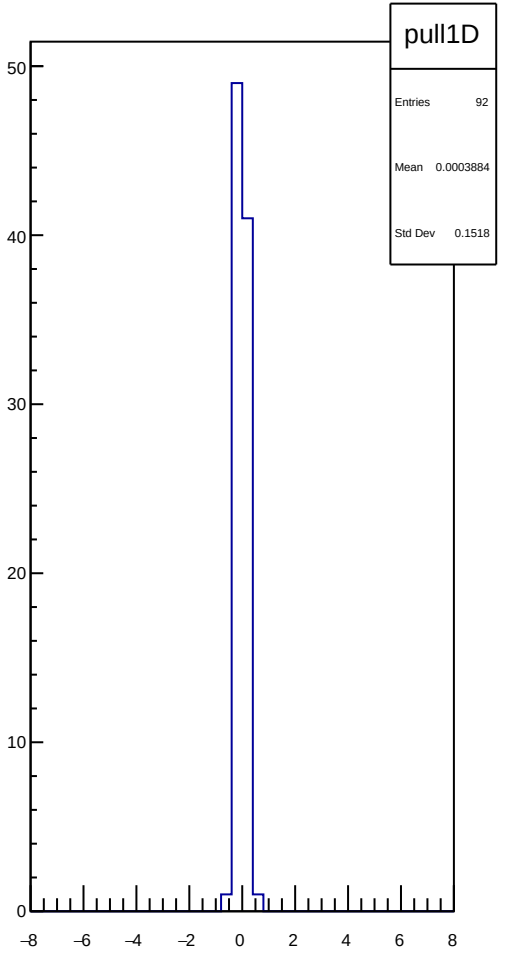

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.173 / 91
p0 0.6566 ± 0.06484
pull
Entries 92
Mean −163.1
Std Dev 0
pull1D
Entries 92
Mean −0.0008593
Std Dev 0.1857

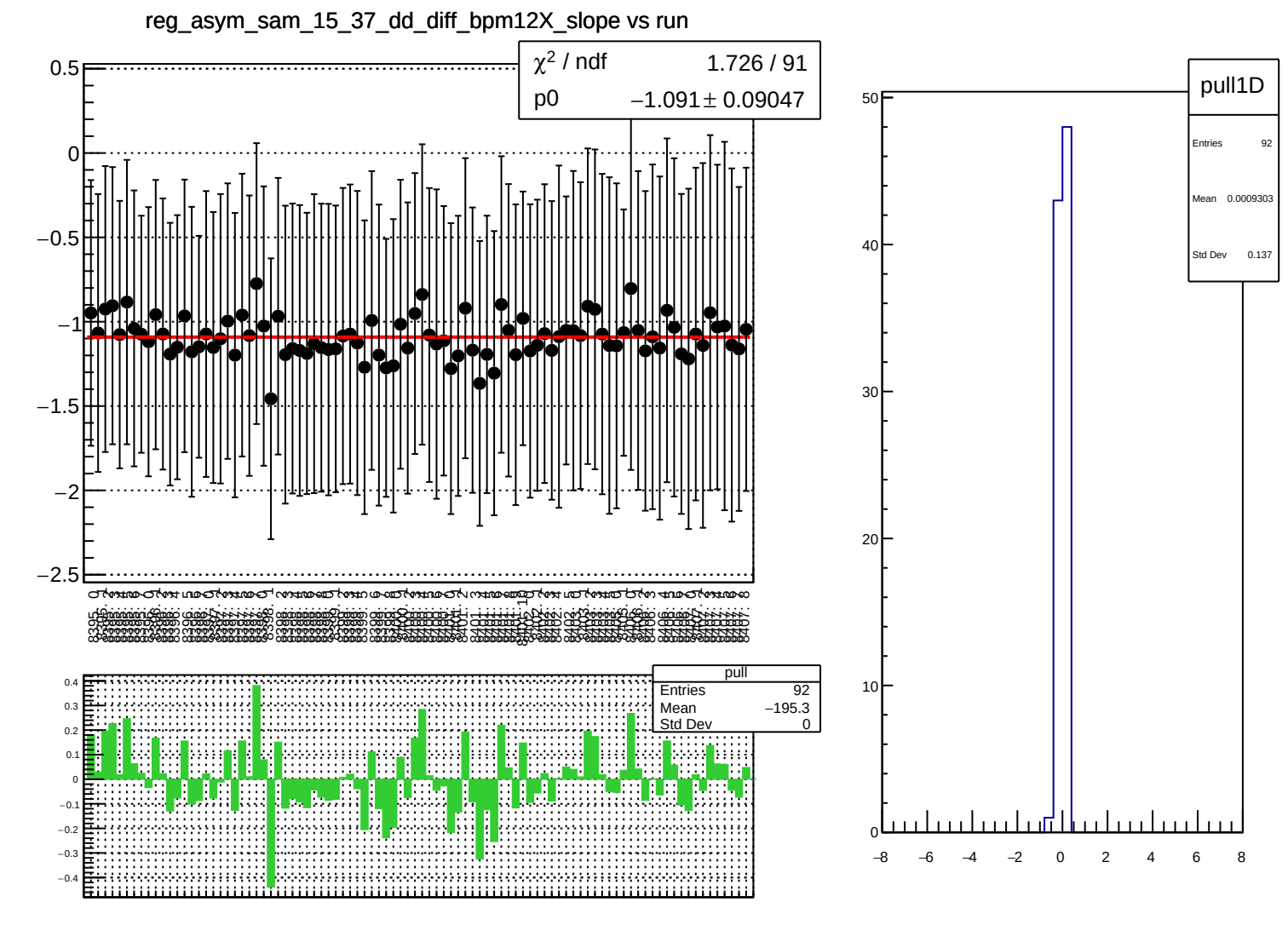

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.435 / 91
p0 1.257 ± 0.7731
pull
Entries 92
Mean −1399
Std Dev 0
pull1D
Entries 92
Mean 0.0005302
Std Dev 0.1627

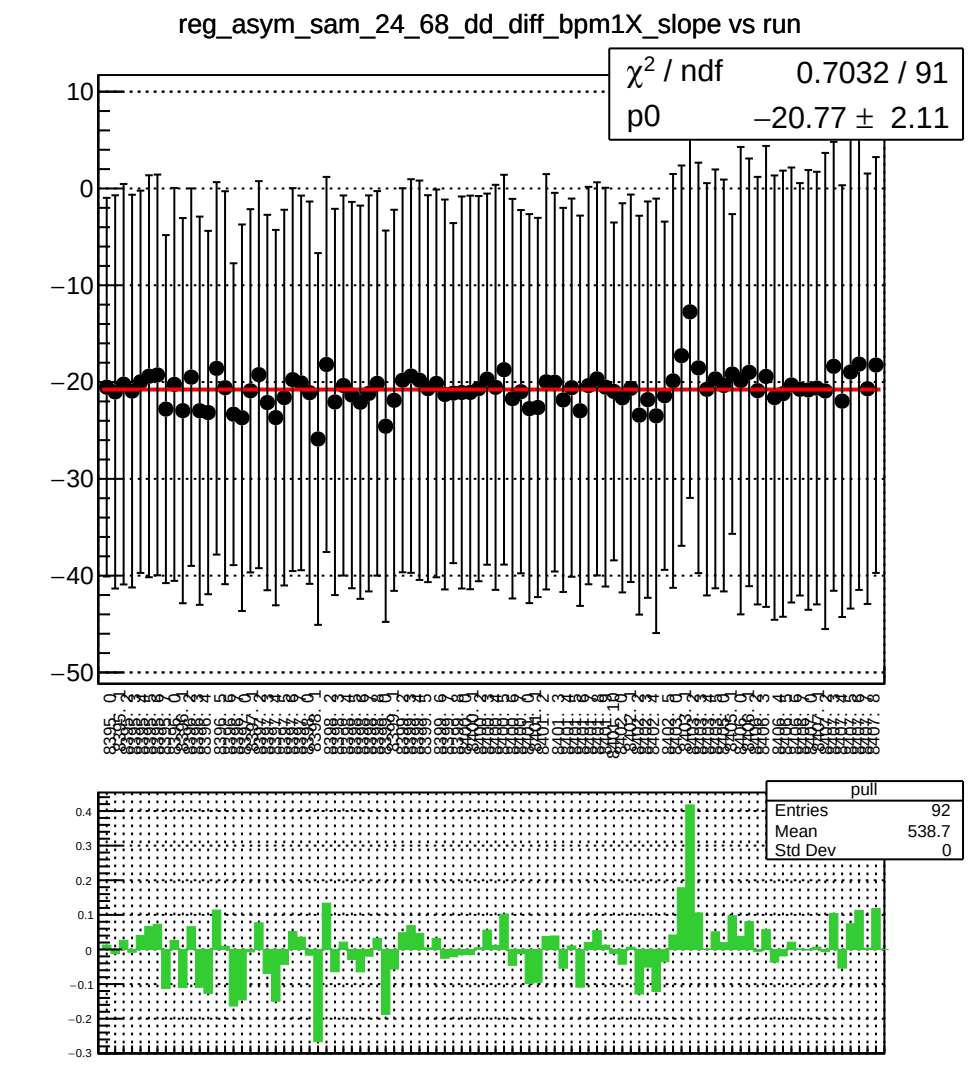

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2 / 91
p0 9.839 ± 1.406
pull
Entries 92
Mean 1016
Std Dev 0
pull1D
Entries 92
Mean 0.001014
Std Dev 0.1474

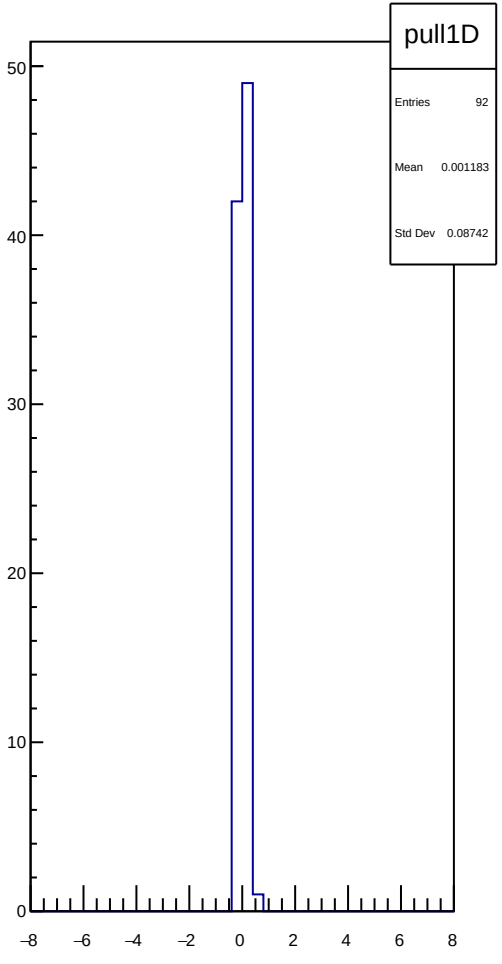

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.744 / 91
p0 37.58 ± 0.8634
pull
Entries 92
Mean 606.1
Std Dev 0
pull1D
Entries 92
Mean 0.002486
Std Dev 0.1727

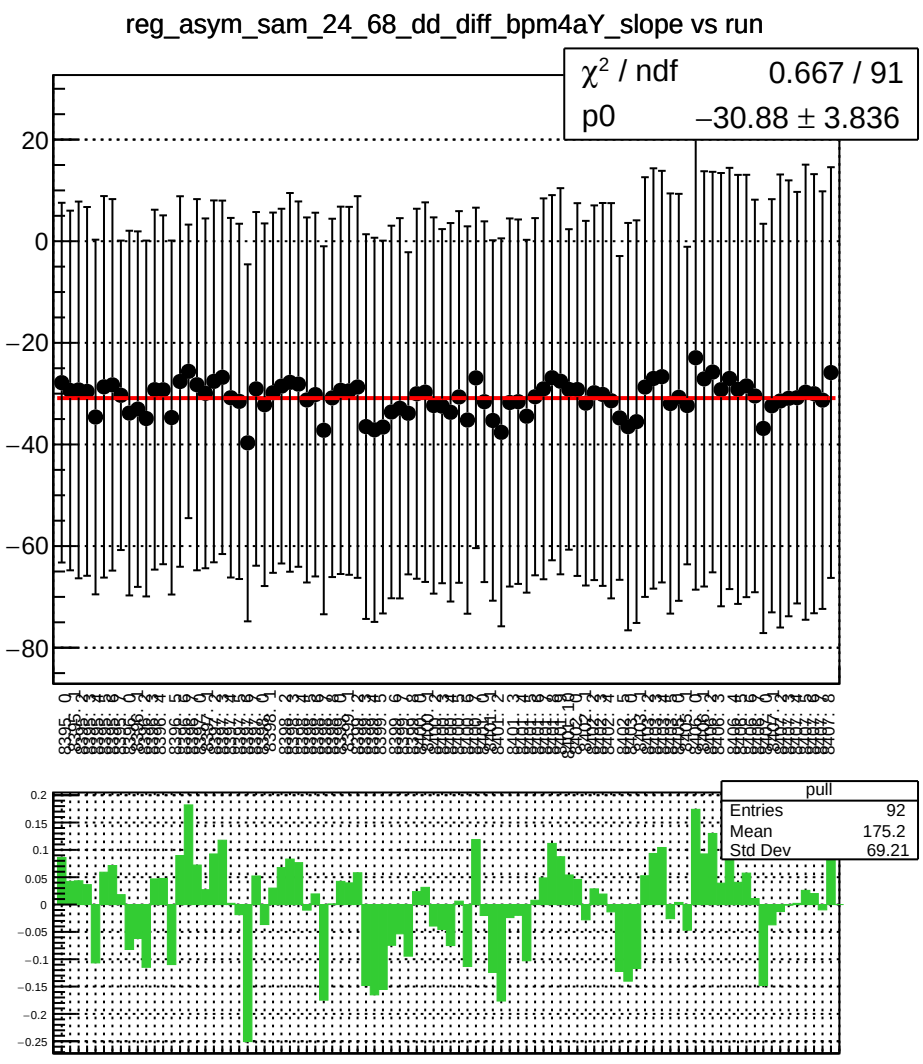

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.119 / 91
p0 14.81 ± 1.469
pull
Entries 92
Mean −1396
Std Dev 0

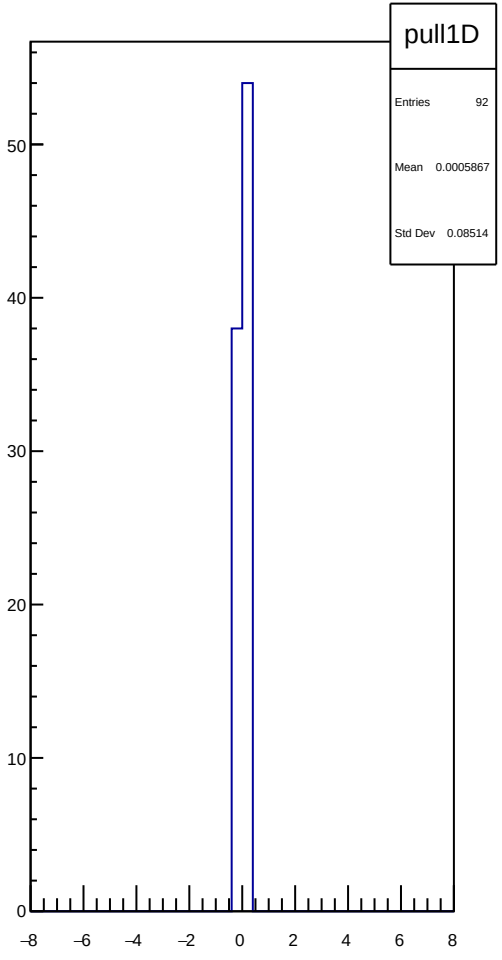

pull1D
Entries 92
Mean 0.0003884
Std Dev 0.1518

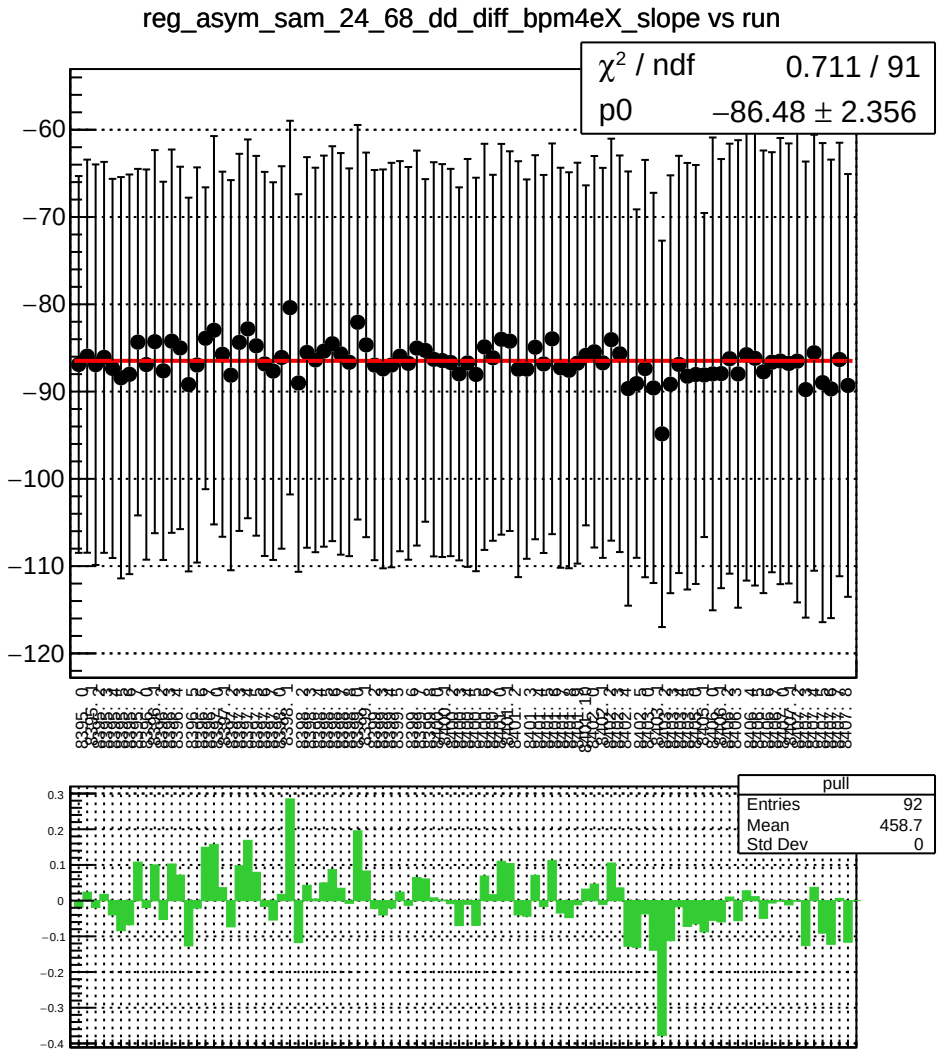

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.726 / 91
p0 −1.091 ± 0.09047
pull
Entries 92
Mean −195.3
Std Dev 0
pull1D
Entries 92
Mean 0.0009303
Std Dev 0.137

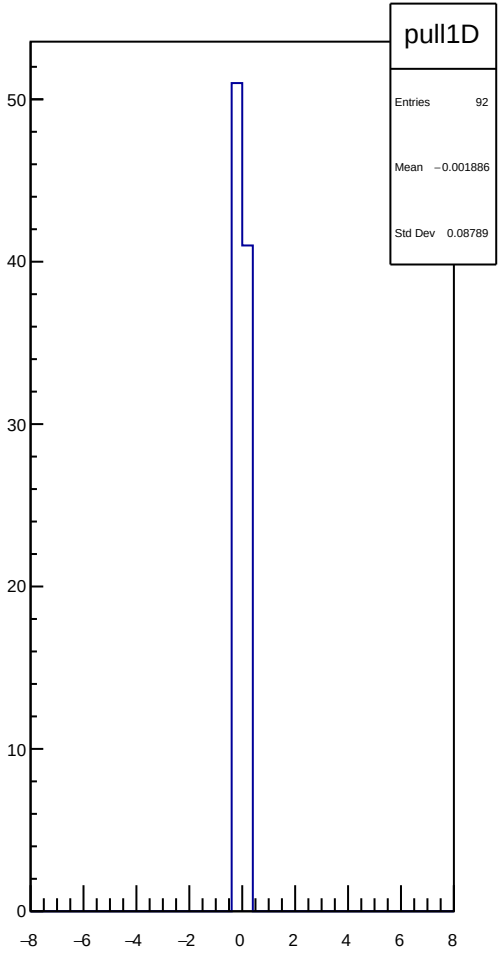

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7032 / 91
p0 −20.77 ± 2.11
pull
Entries 92
Mean 538.7
Std Dev 0

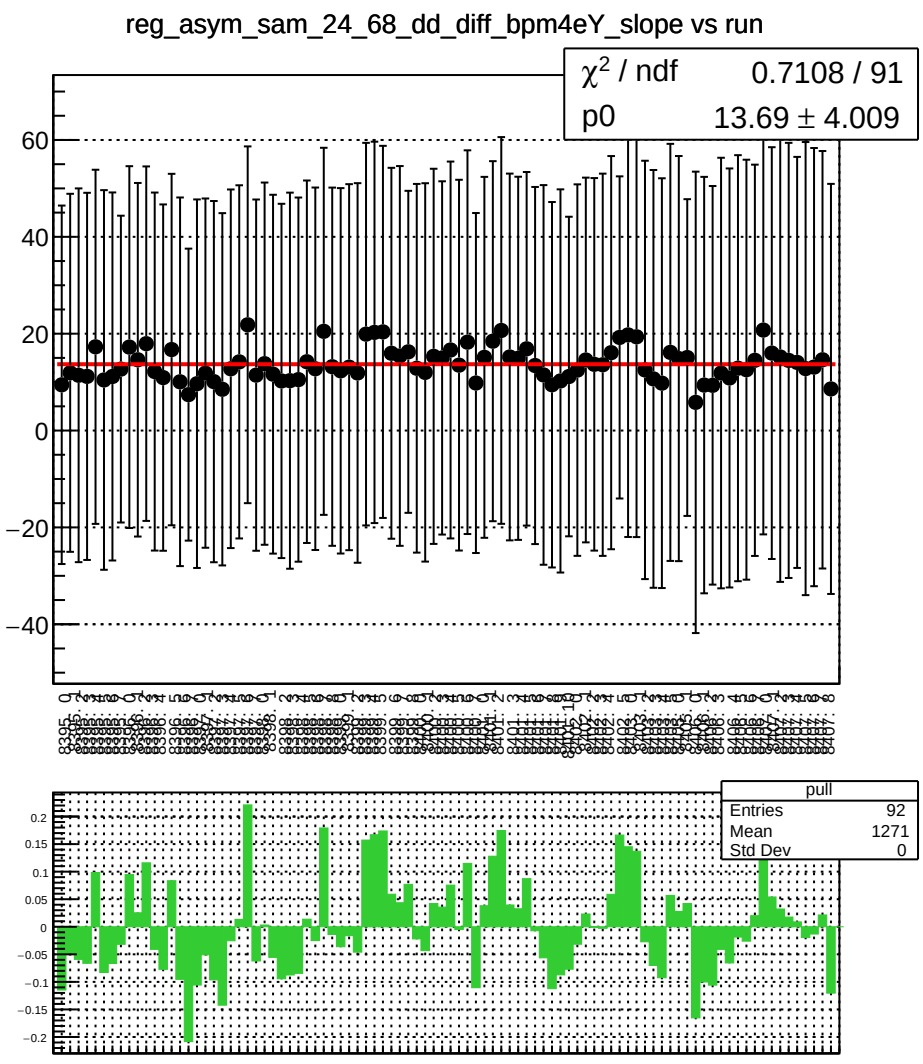

pull1D
Entries 92
Mean 0.001183
Std Dev 0.08742

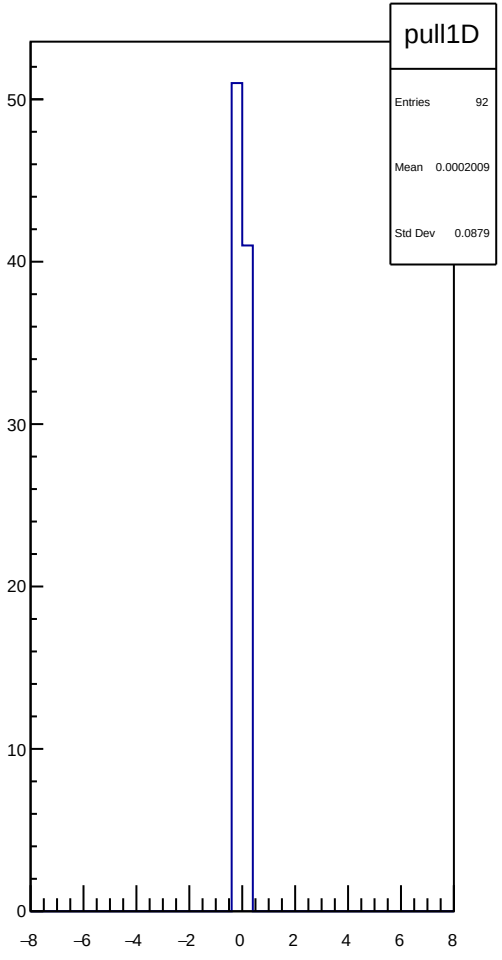

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.667 / 91
p0 −30.88 ± 3.836
20
0
−20
−40
−60
−80
pull
Entries 92
Mean 175.2
Std Dev 69.21
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25

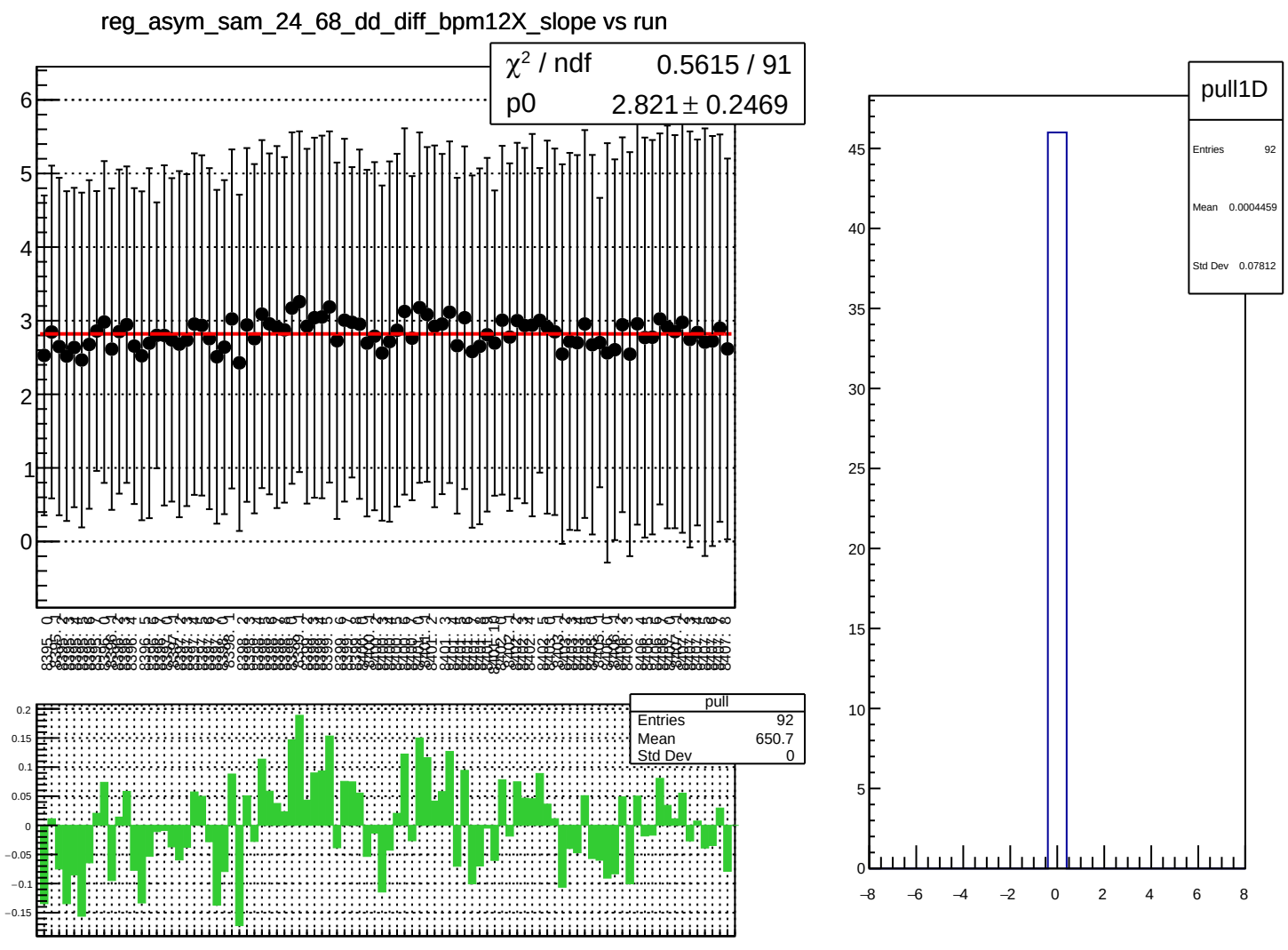

pull1D
Entries 92
Mean 0.0005867
Std Dev 0.08514
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

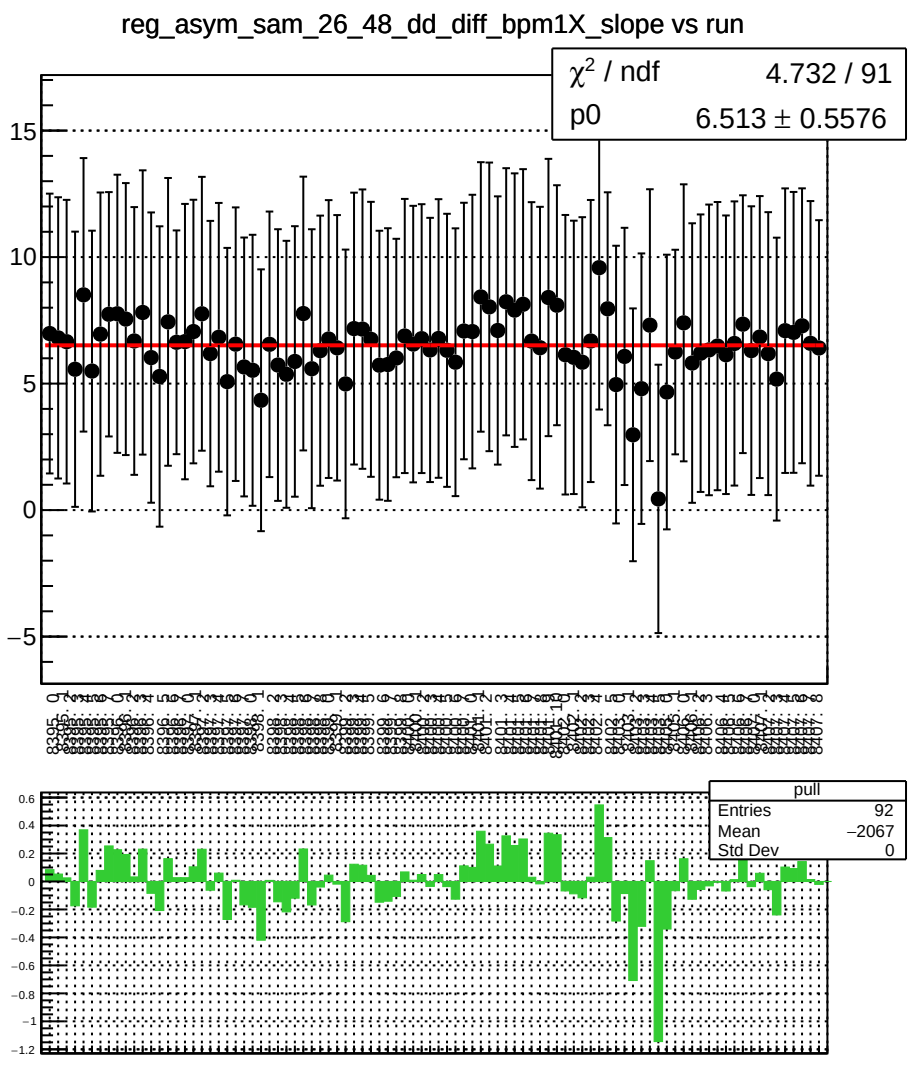

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.711 / 91
p0 −86.48 ± 2.356
pull
Entries 92
Mean 458.7
Std Dev 0

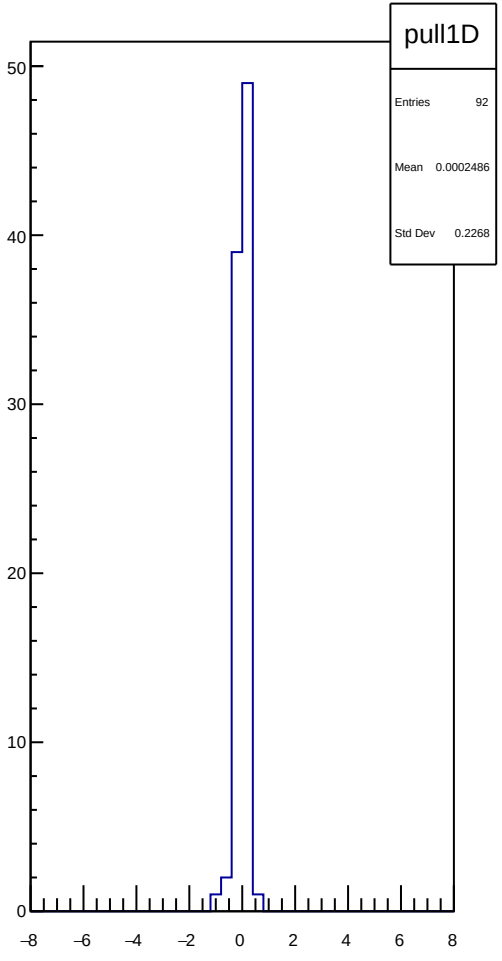

pull1D
Entries 92
Mean −0.001886
Std Dev 0.08789

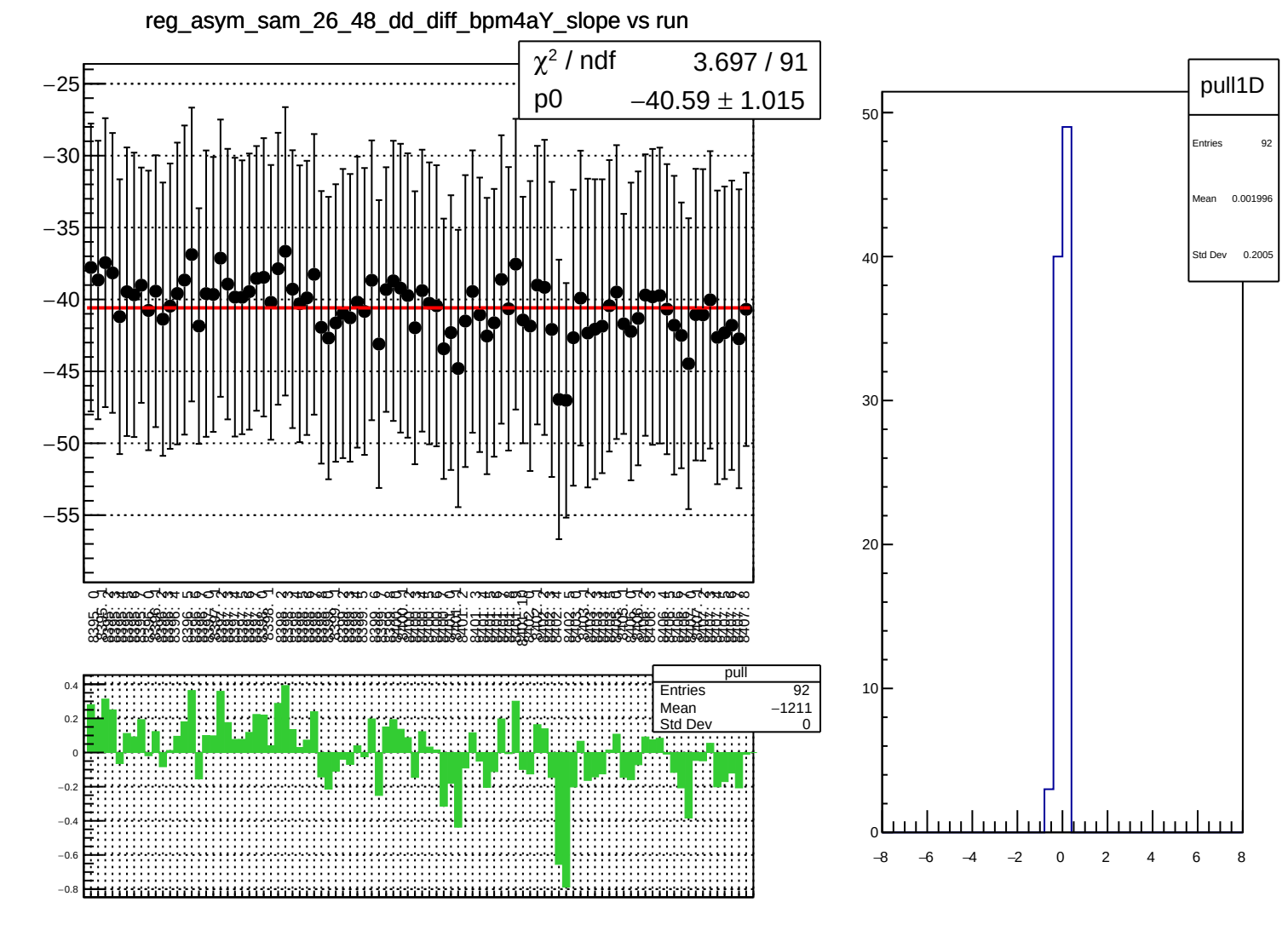

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7108 / 91
p0 13.69 ± 4.009
pull
Entries 92
Mean 1271
Std Dev 0

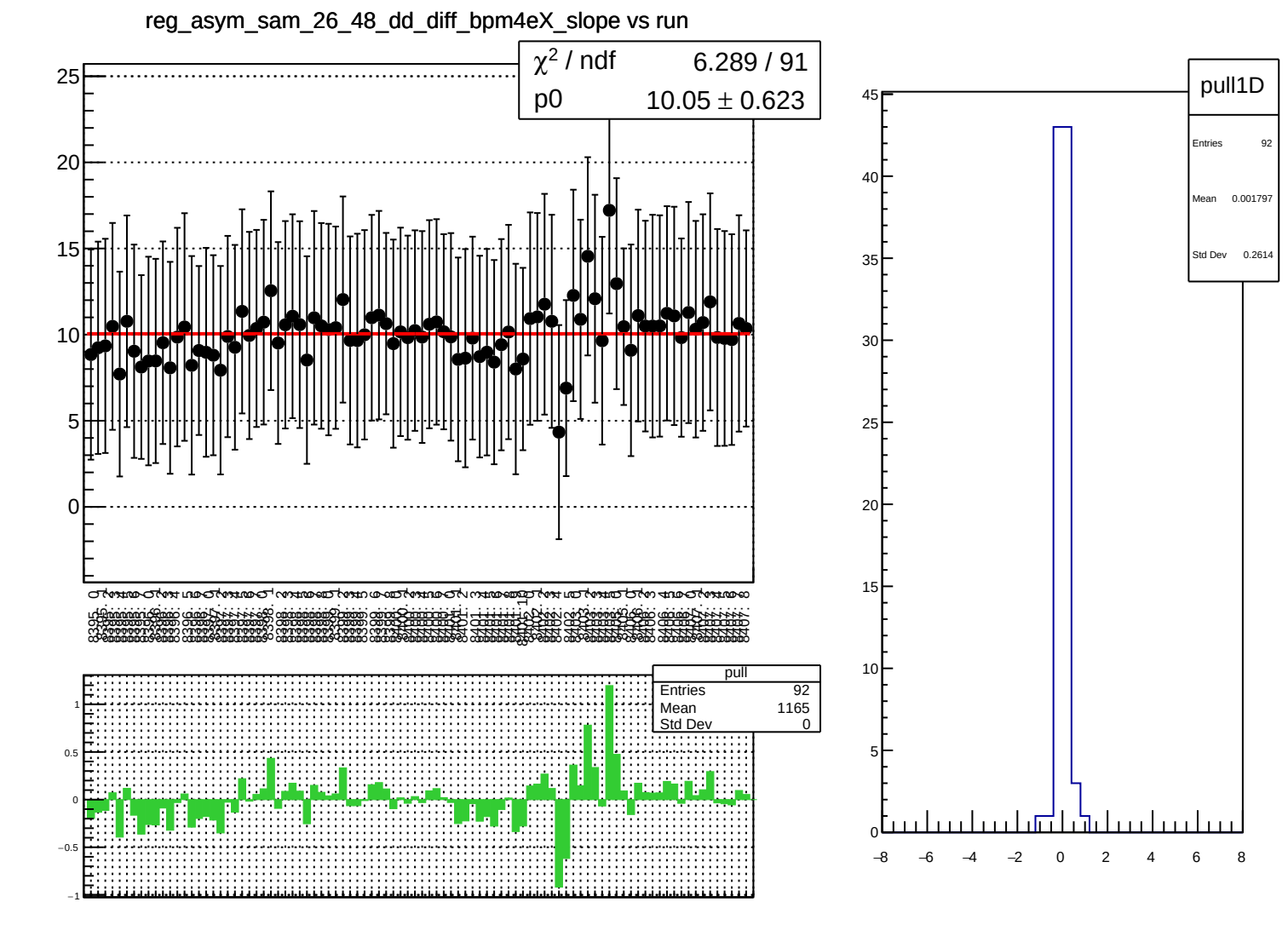

pull1D
Entries 92
Mean 0.0002009
Std Dev 0.0879

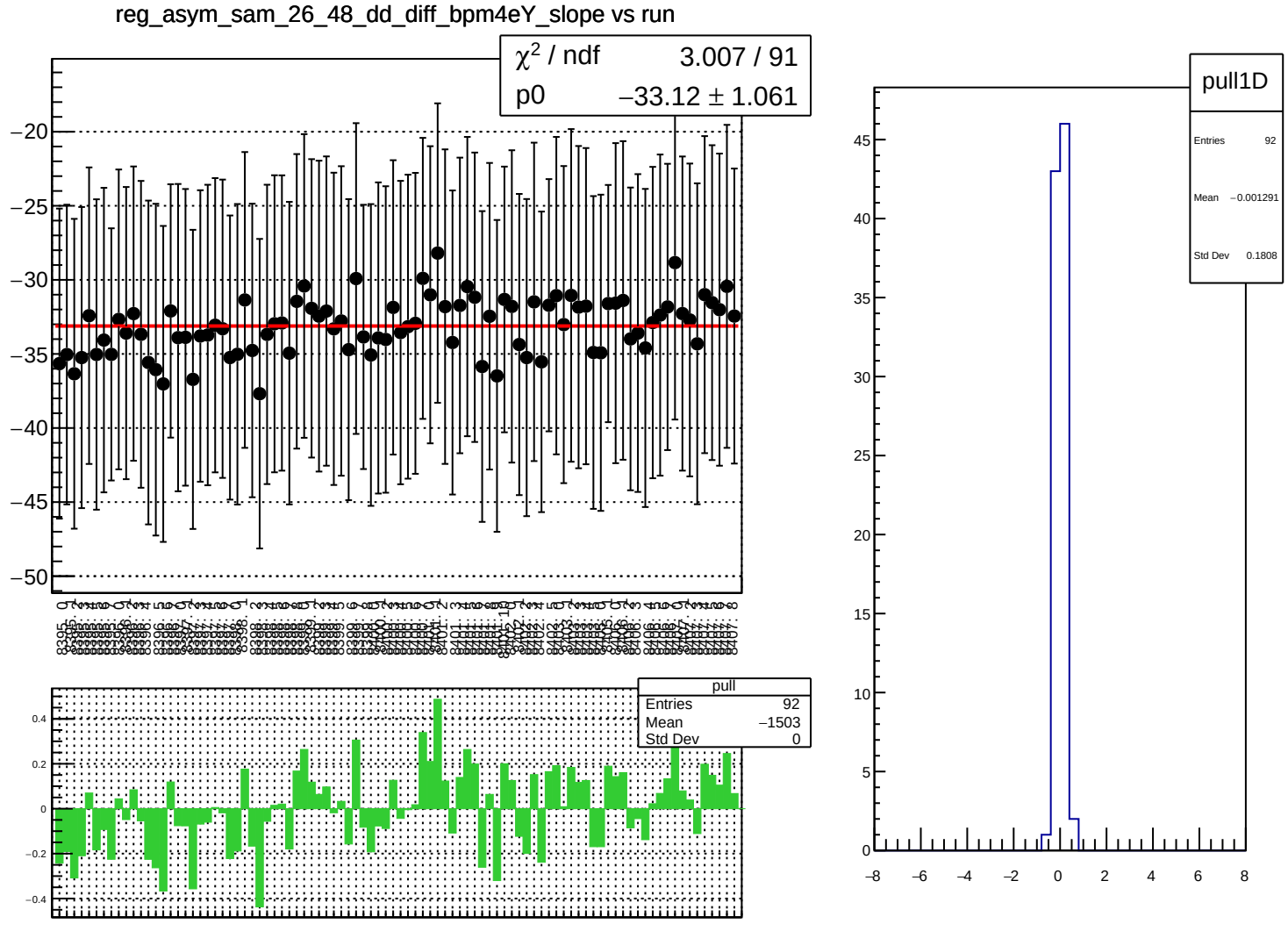

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5615 / 91
p0 2.821 ± 0.2469
pull
Entries 92
Mean 650.7
Std Dev 0
pull1D
Entries 92
Mean 0.0004459
Std Dev 0.07812

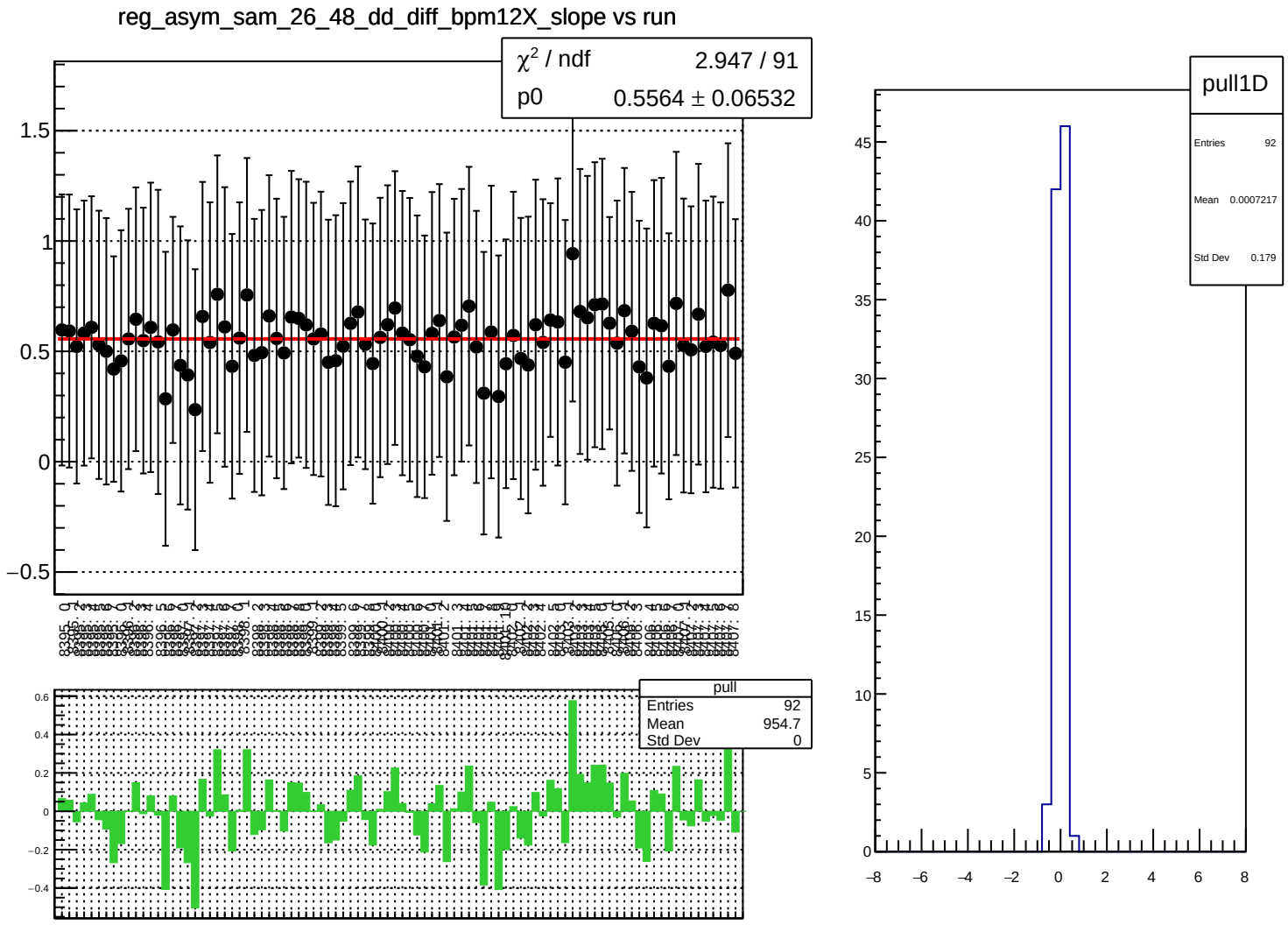

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.732 / 91
p0 6.513 ± 0.5576
15
10
5
0
−5
pull
Entries 92
Mean −2067
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

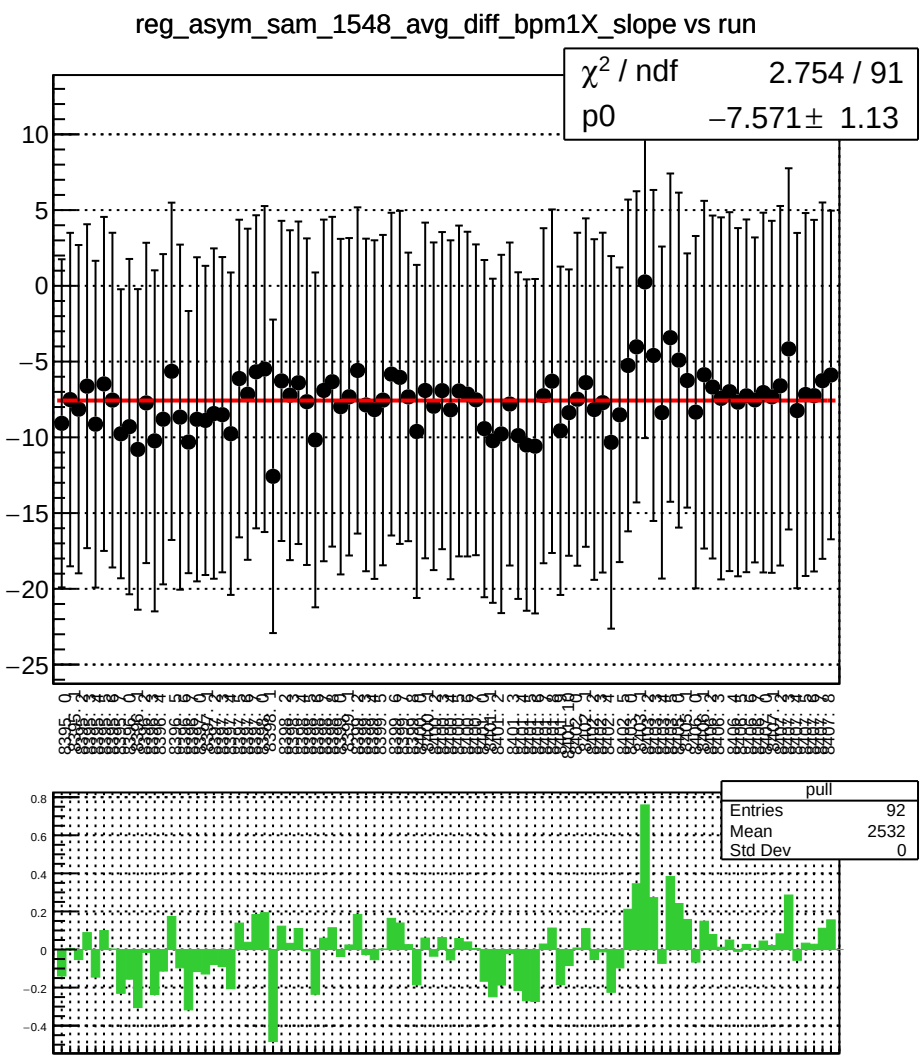

pull1D
Entries 92
Mean 0.0002486
Std Dev 0.2268
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

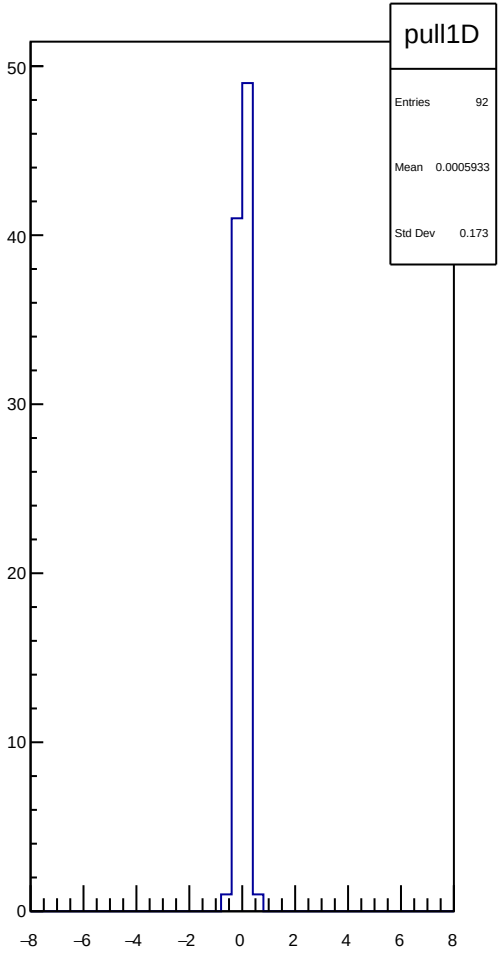

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.697 / 91
p0 −40.59 ± 1.015
pull
Entries 92
Mean −1211
Std Dev 0
pull1D
Entries 92
Mean 0.001996
Std Dev 0.2005

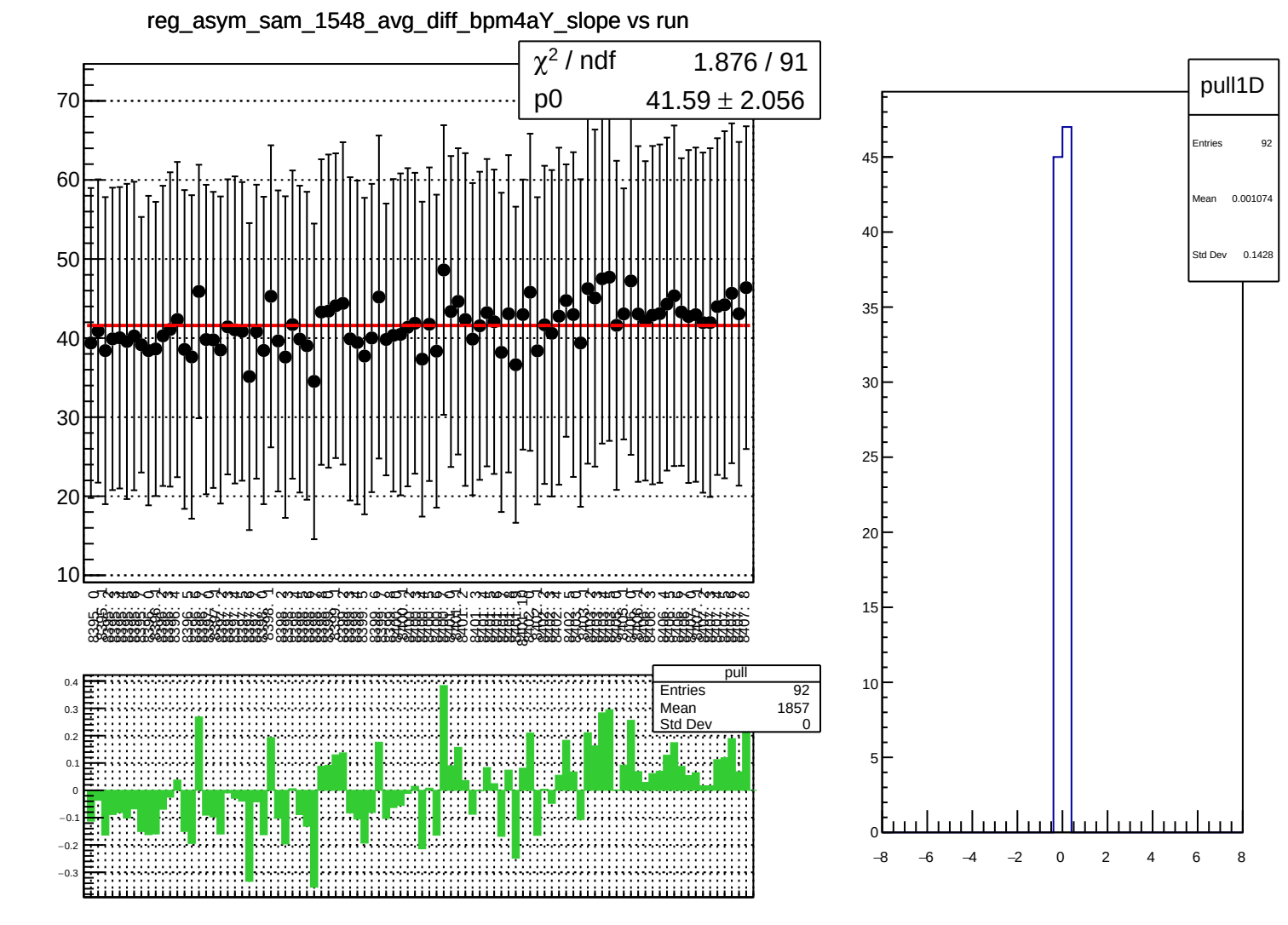

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.289 / 91
p0 10.05 ± 0.623
pull
Entries 92
Mean 1165
Std Dev 0
pull1D
Entries 92
Mean 0.001797
Std Dev 0.2614

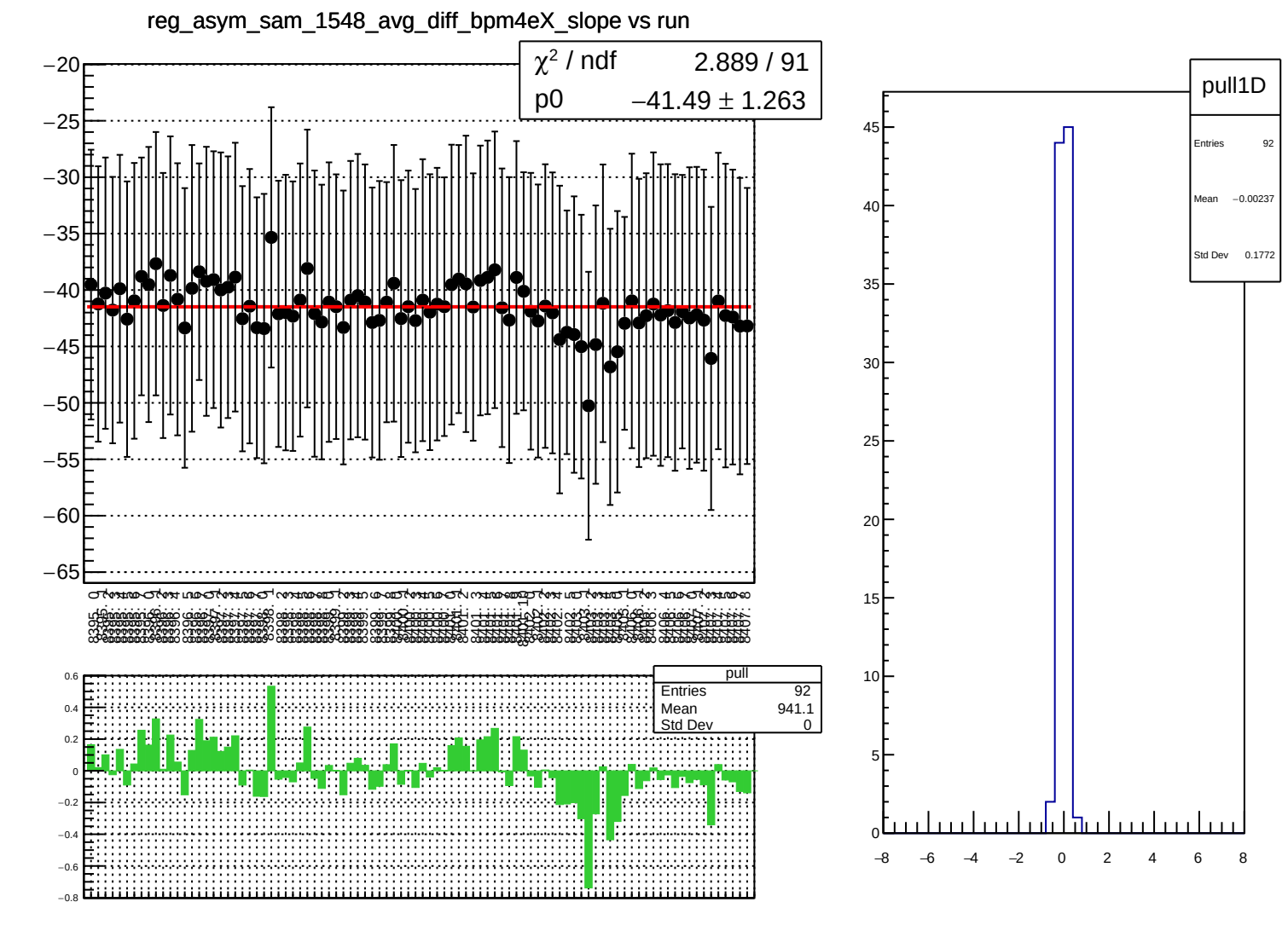

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.007 / 91
p0 −33.12 ± 1.061
pull
Entries 92
Mean −1503
Std Dev 0
pull1D
Entries 92
Mean −0.001291
Std Dev 0.1808

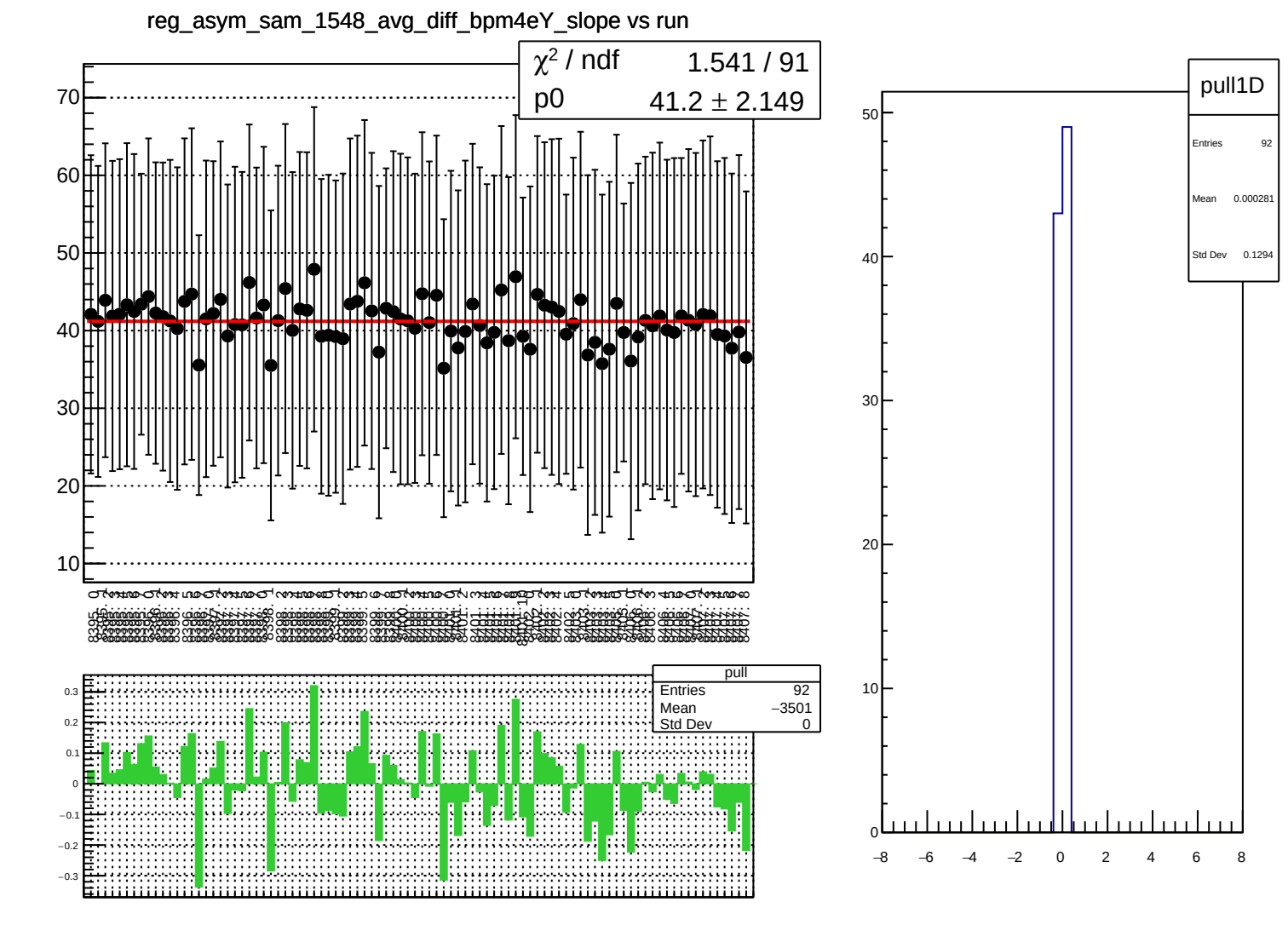

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.947 / 91
p0 0.5564 ± 0.06532
1.5
1
0.5
0
−0.5
pull
Entries 92
Mean 954.7
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.0007217
Std Dev 0.179
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

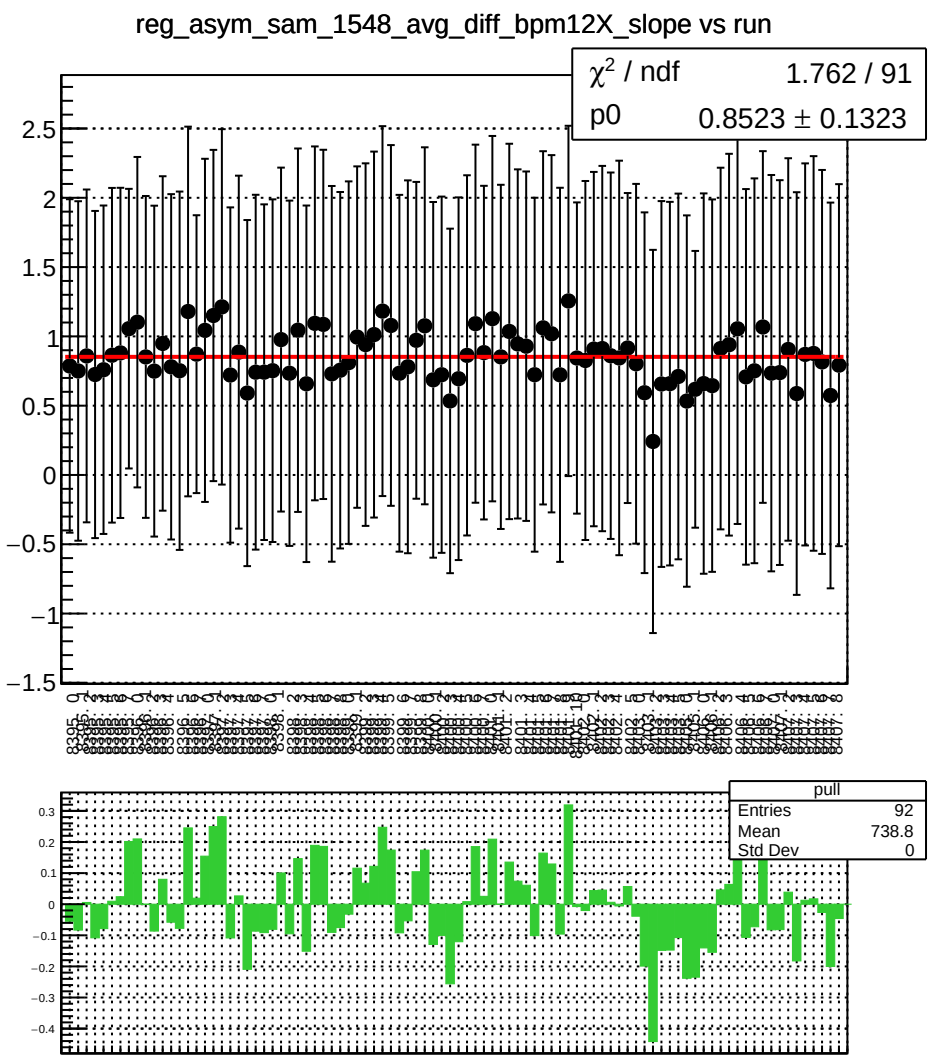

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 2.754 / 91
p0 −7.571± 1.13
pull
Entries 92
Mean 2532
Std Dev 0

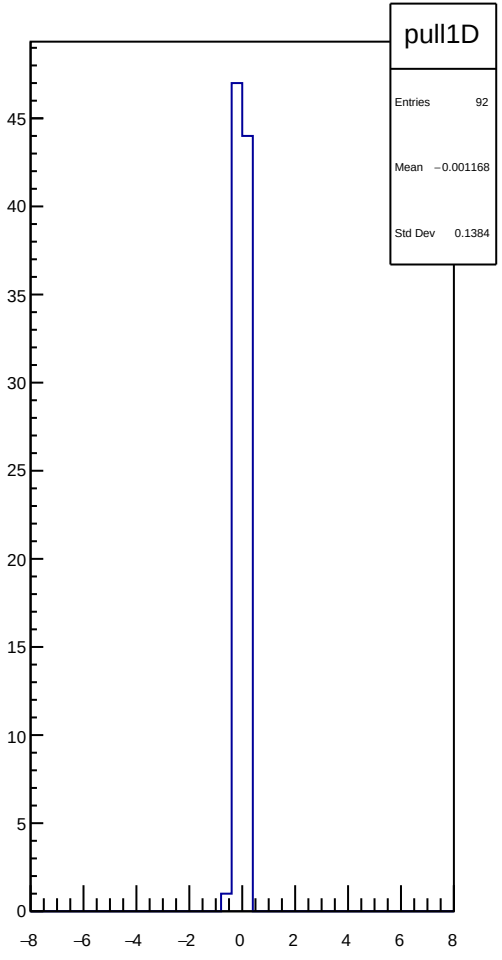

pull1D
Entries 92
Mean 0.0005933
Std Dev 0.173

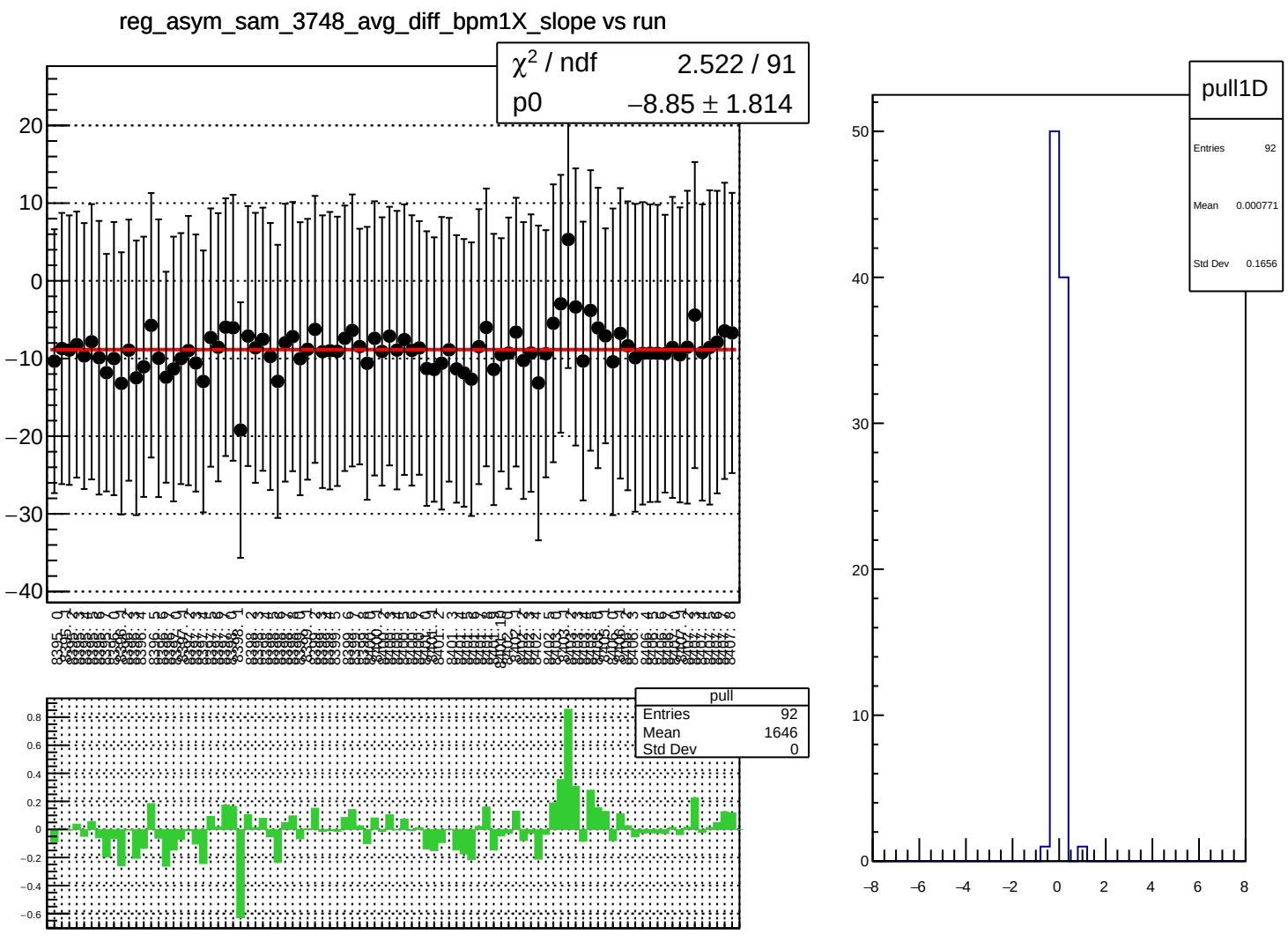

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.876 / 91
p0 41.59 ± 2.056
pull
Entries 92
Mean 1857
Std Dev 0
pull1D
Entries 92
Mean 0.001074
Std Dev 0.1428

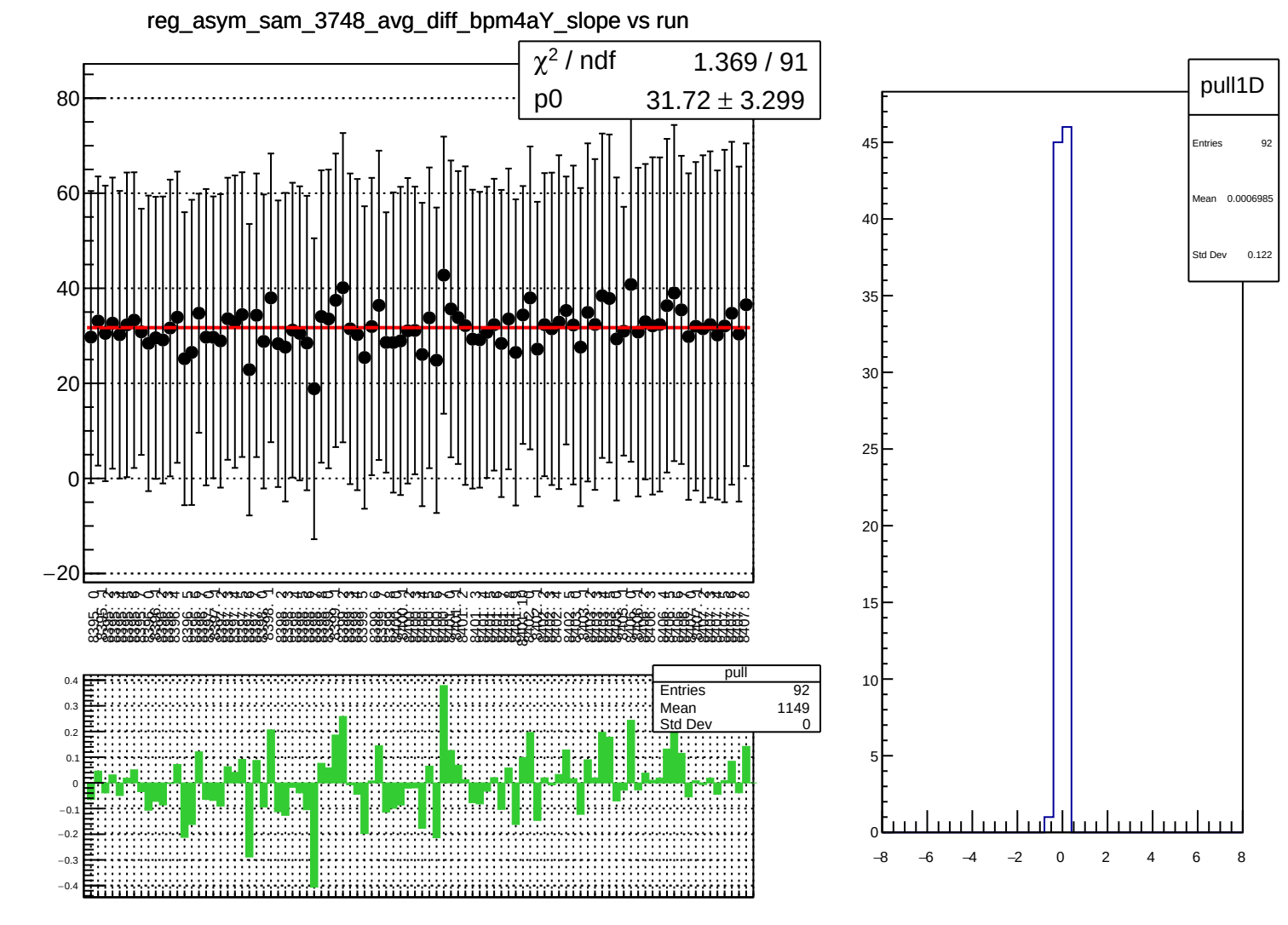

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.889 / 91
p0 −41.49 ± 1.263
pull
Entries 92
Mean 941.1
Std Dev 0
pull1D
Entries 92
Mean −0.00237
Std Dev 0.1772

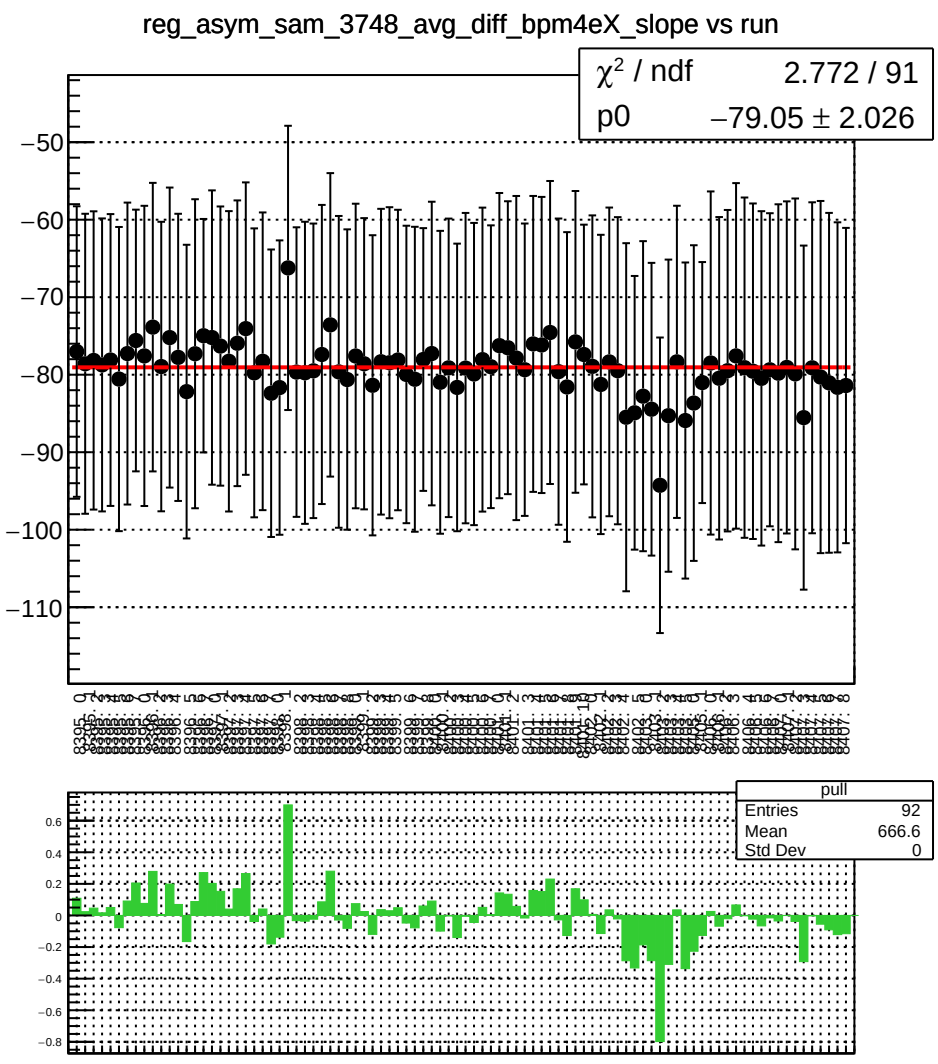

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.541 / 91
p0 41.2 ± 2.149
pull
Entries 92
Mean −3501
Std Dev 0
pull1D
Entries 92
Mean 0.000281
Std Dev 0.1294

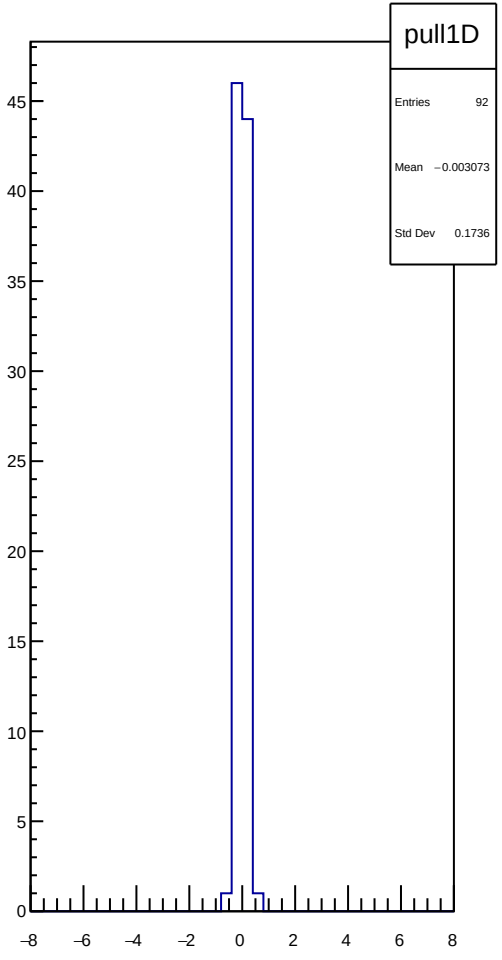

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 1.762 / 91
p0 0.8523 ± 0.1323
pull
Entries 92
Mean 738.8
Std Dev 0

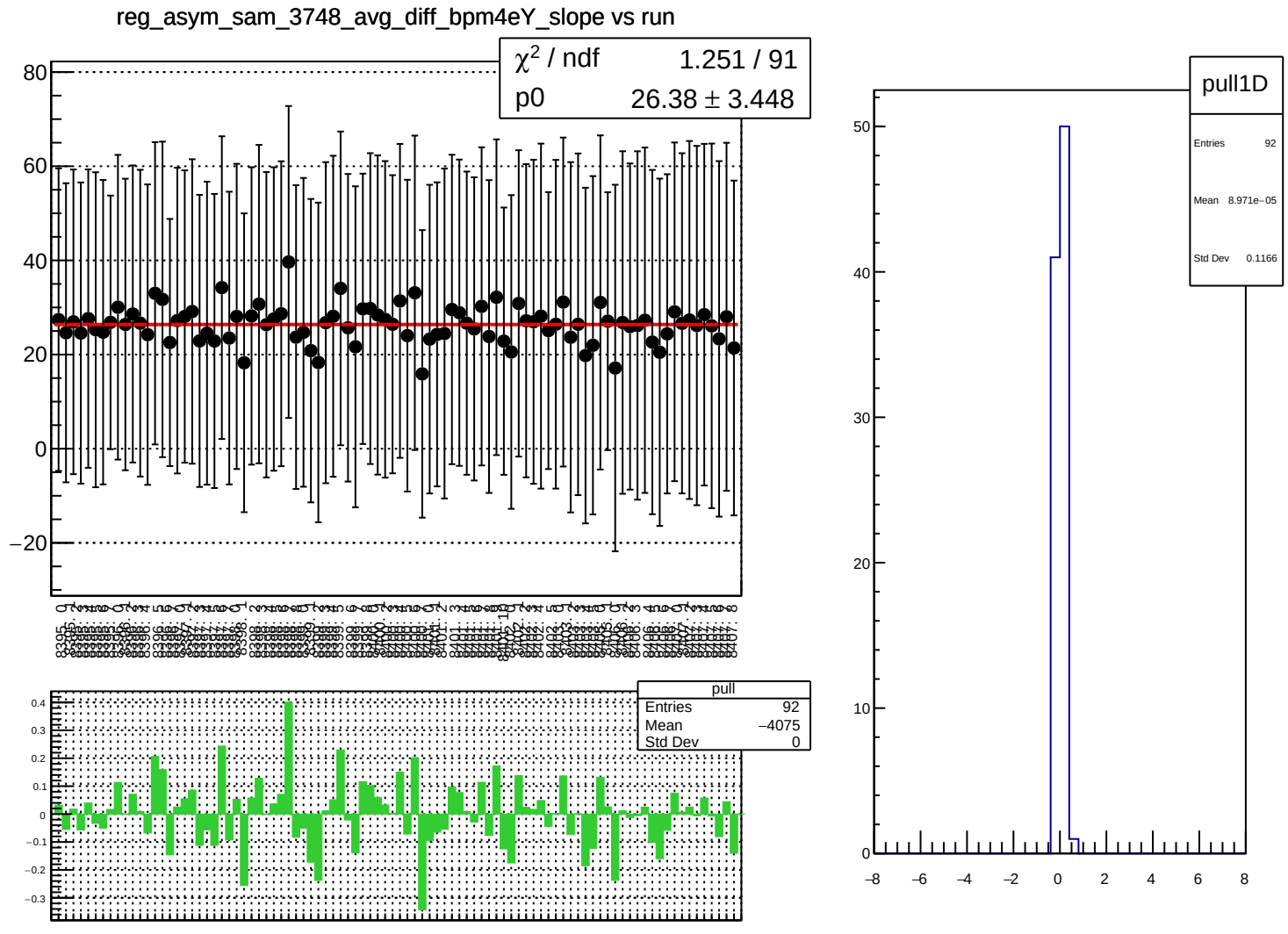

pull1D
Entries 92
Mean −0.001168
Std Dev 0.1384

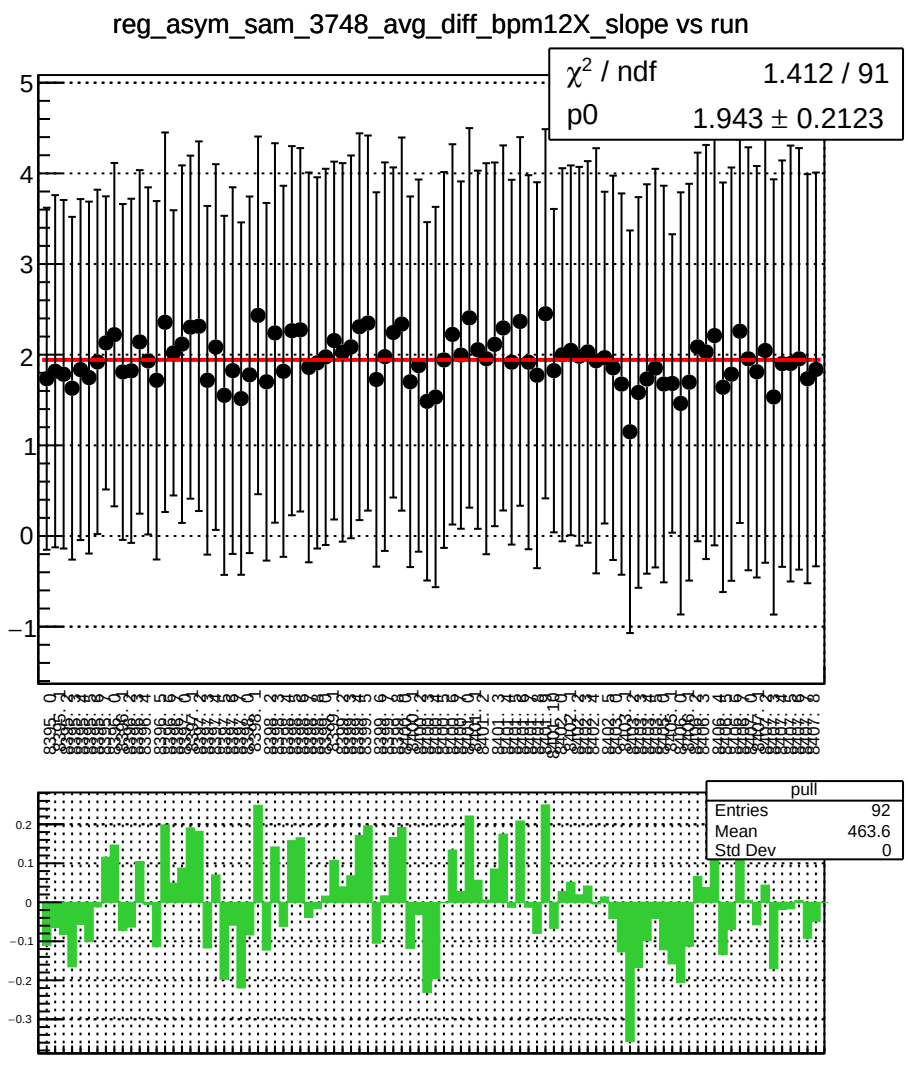

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 2.522 / 91
p0 −8.85 ± 1.814
pull
Entries 92
Mean 1646
Std Dev 0
pull1D
Entries 92
Mean 0.000771
Std Dev 0.1656

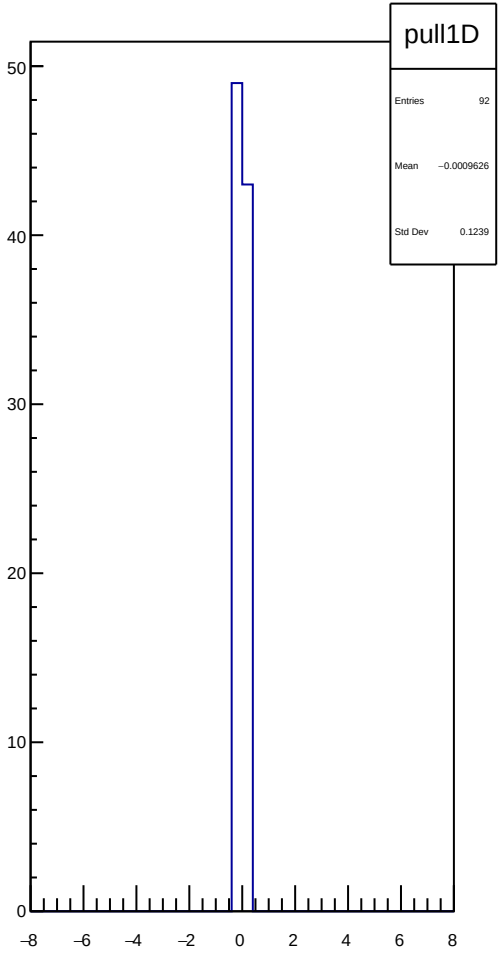

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.369 / 91
p0 31.72 ± 3.299
pull
Entries 92
Mean 1149
Std Dev 0
pull1D
Entries 92
Mean 0.0006985
Std Dev 0.122

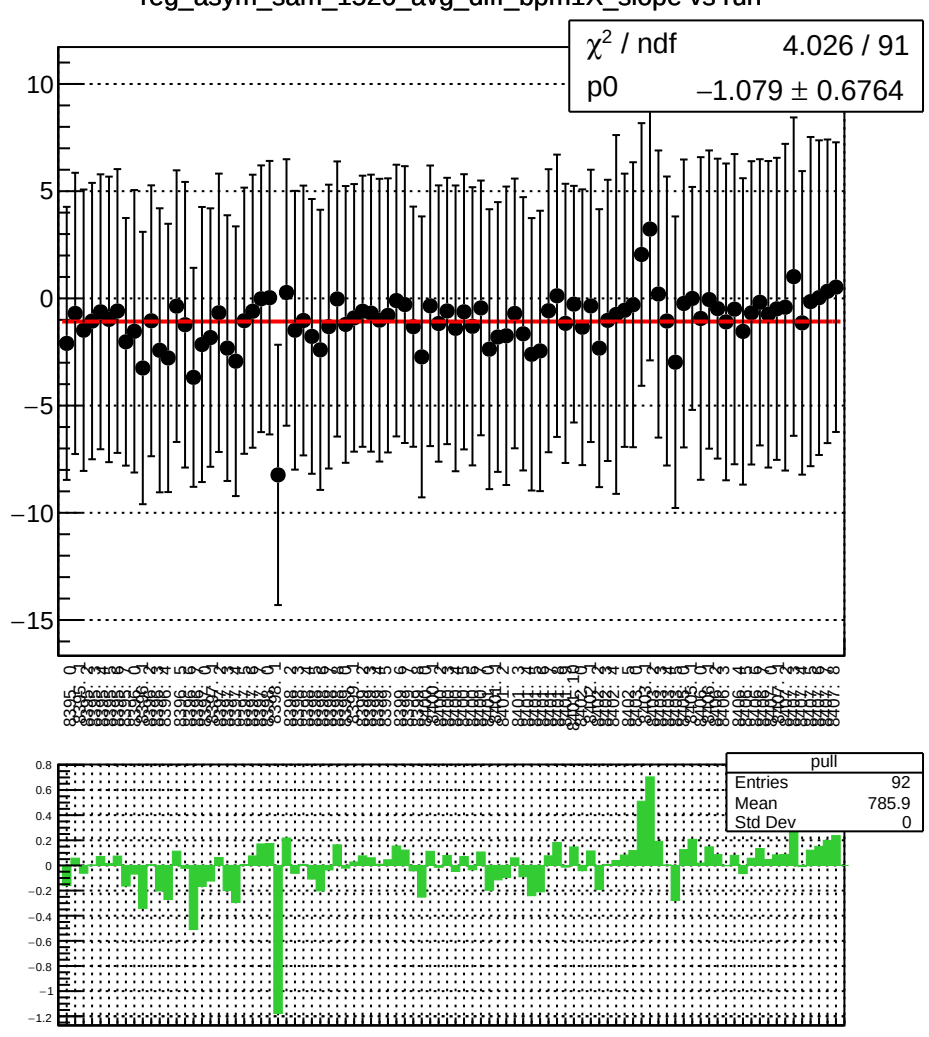

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.772 / 91
p0 −79.05 ± 2.026
−50
−60
−70
−80
−90
−100
−110
pull
Entries 92
Mean 666.6
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

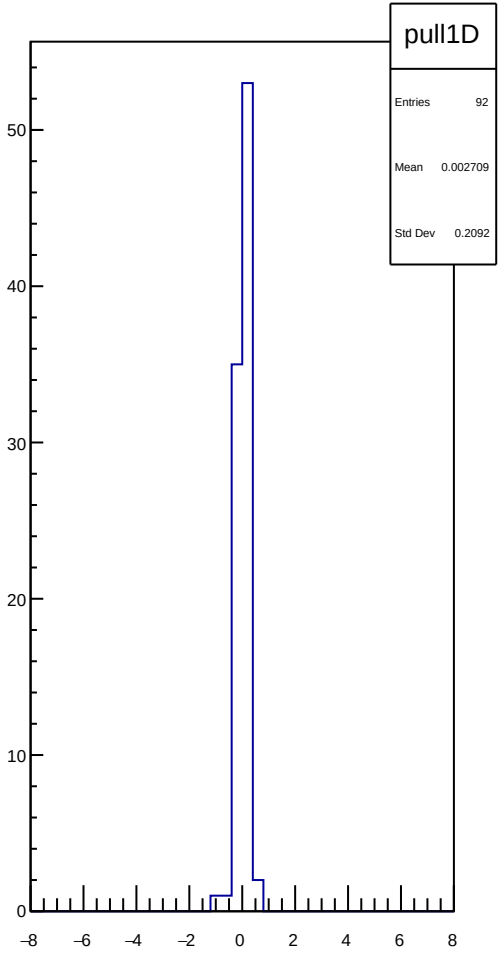

pull1D
Entries 92
Mean −0.003073
Std Dev 0.1736
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

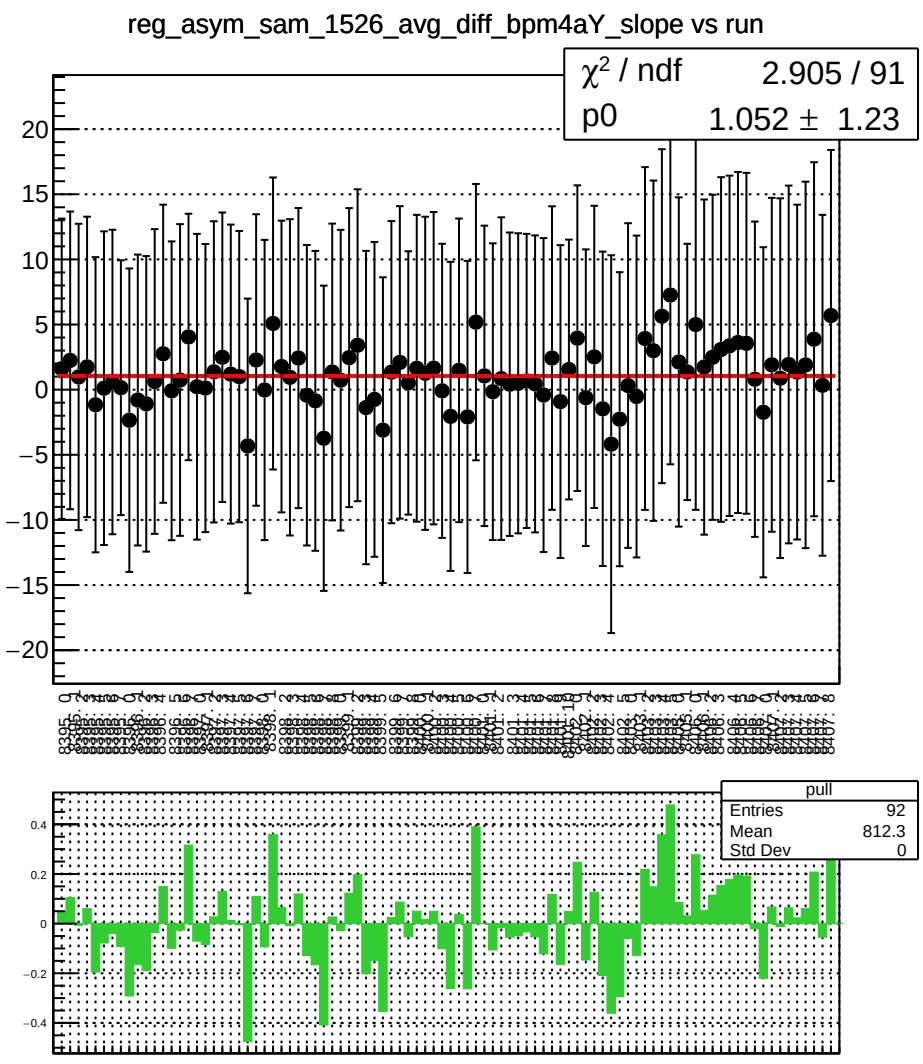

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.251 / 91
p0 26.38 ± 3.448
pull
Entries 92
Mean −4075
Std Dev 0
pull1D
Entries 92
Mean 8.971e−05
Std Dev 0.1166

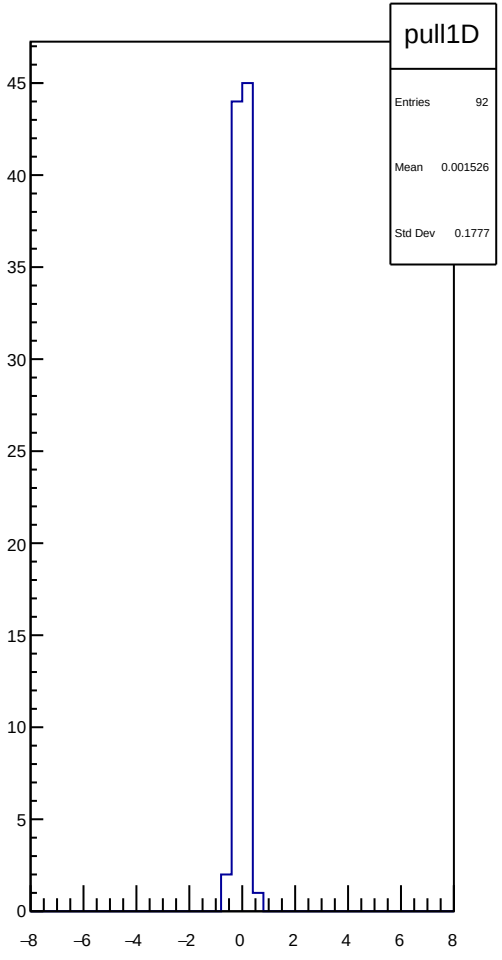

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 1.412 / 91
p0 1.943 ± 0.2123
pull
Entries 92
Mean 463.6
Std Dev 0

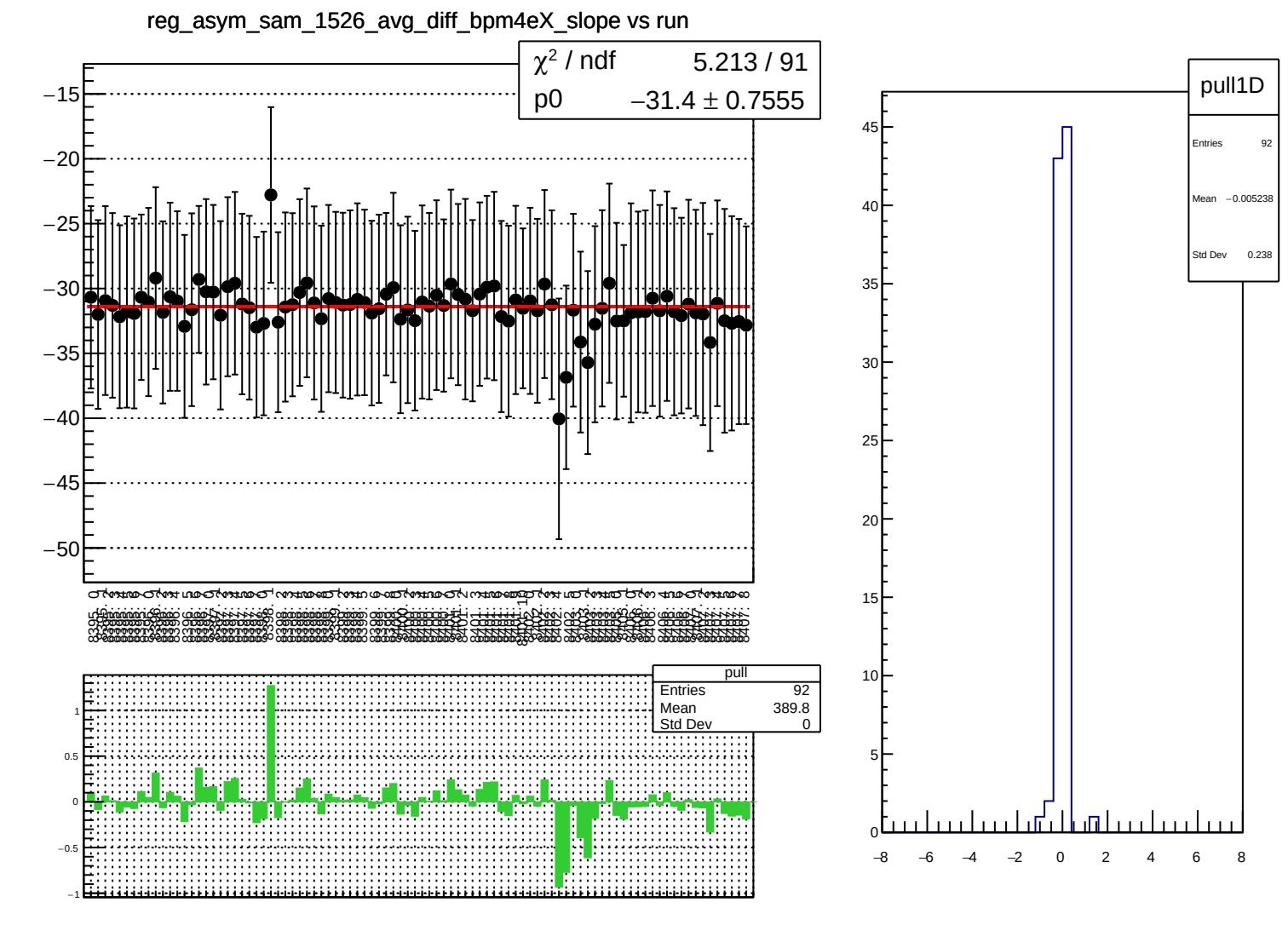

pull1D
Entries 92
Mean −0.0009626
Std Dev 0.1239

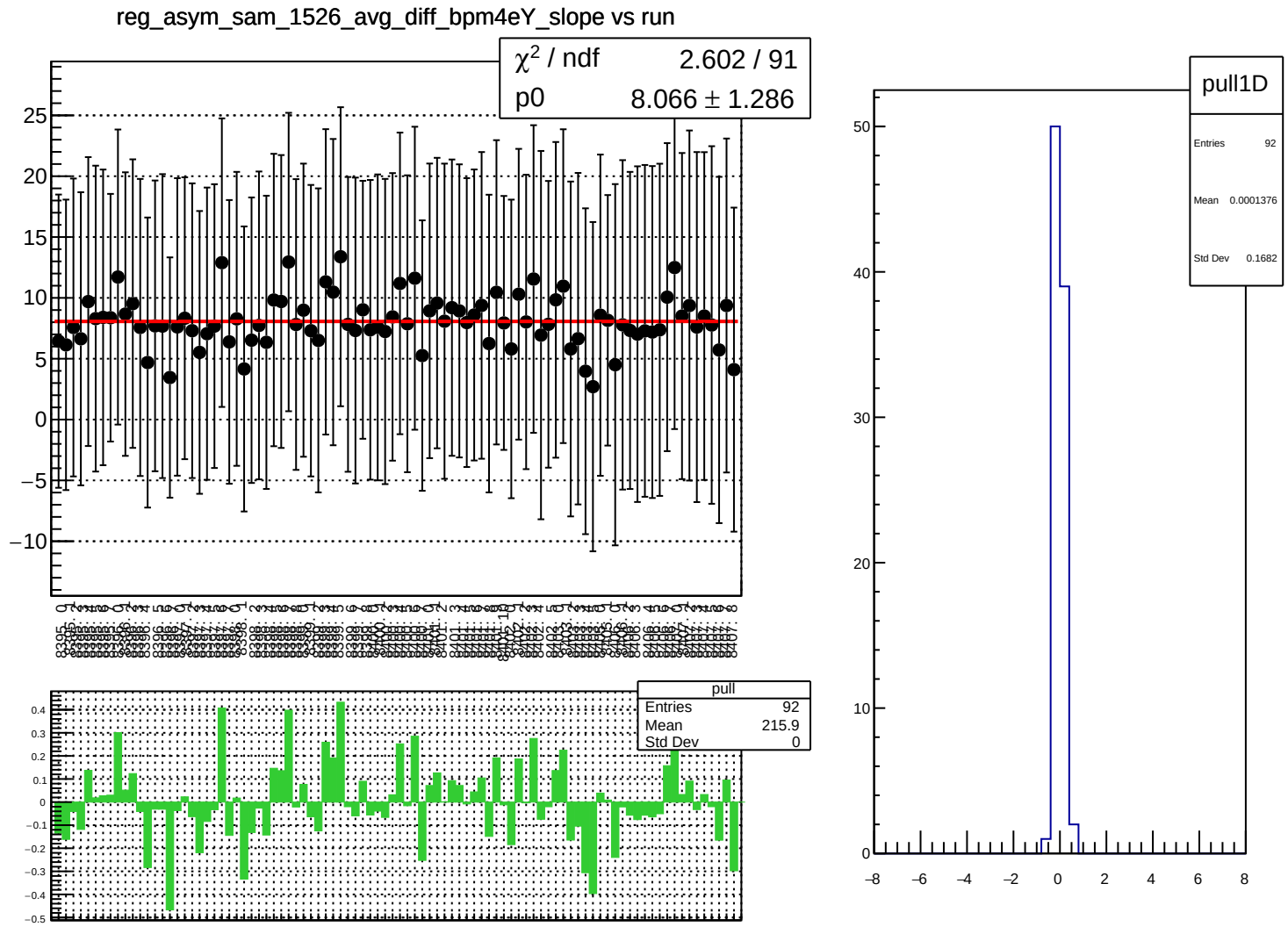

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 4.026 / 91
p0 −1.079 ± 0.6764
pull
Entries 92
Mean 785.9
Std Dev 0

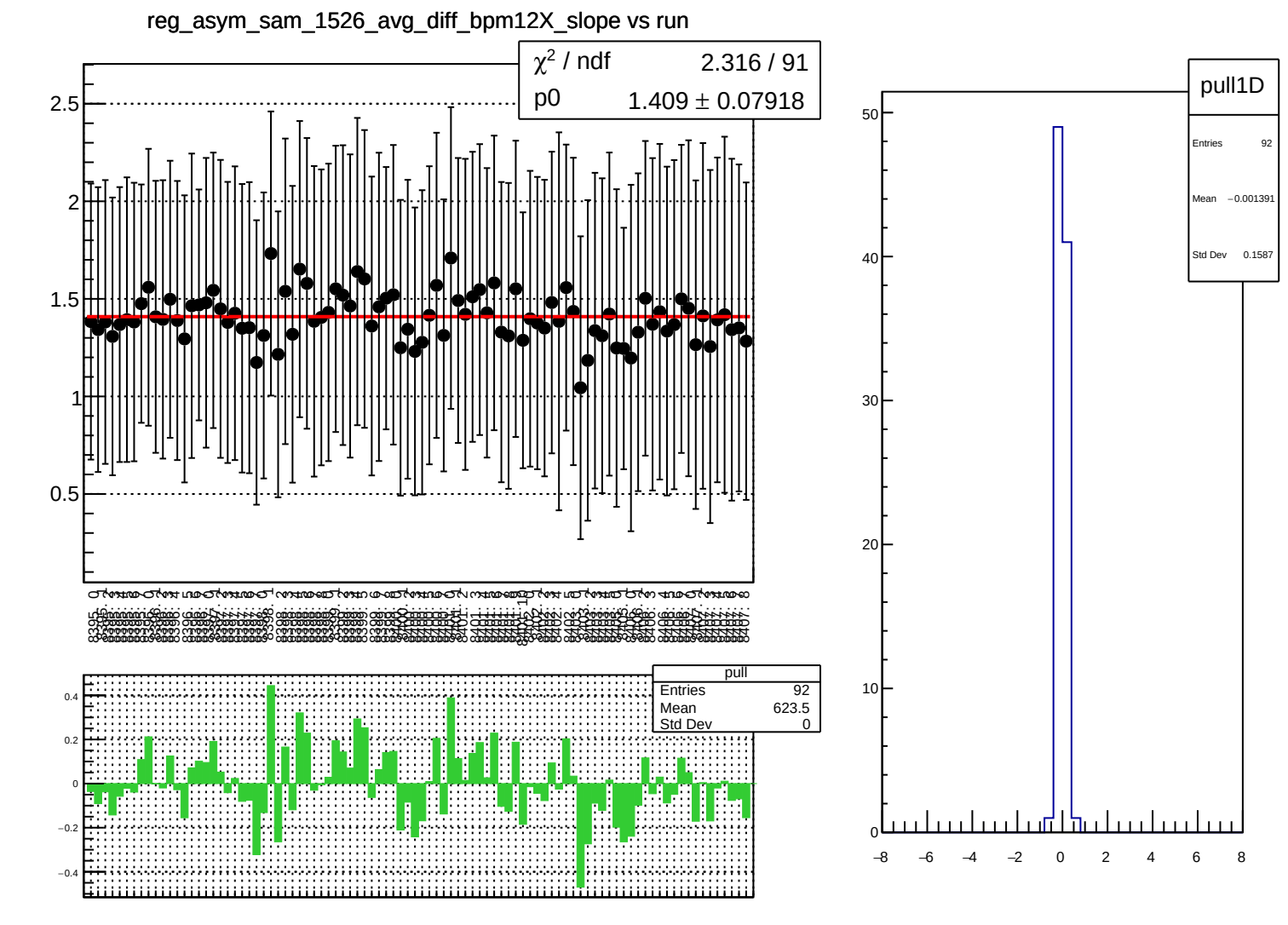

pull1D
Entries 92
Mean 0.002709
Std Dev 0.2092

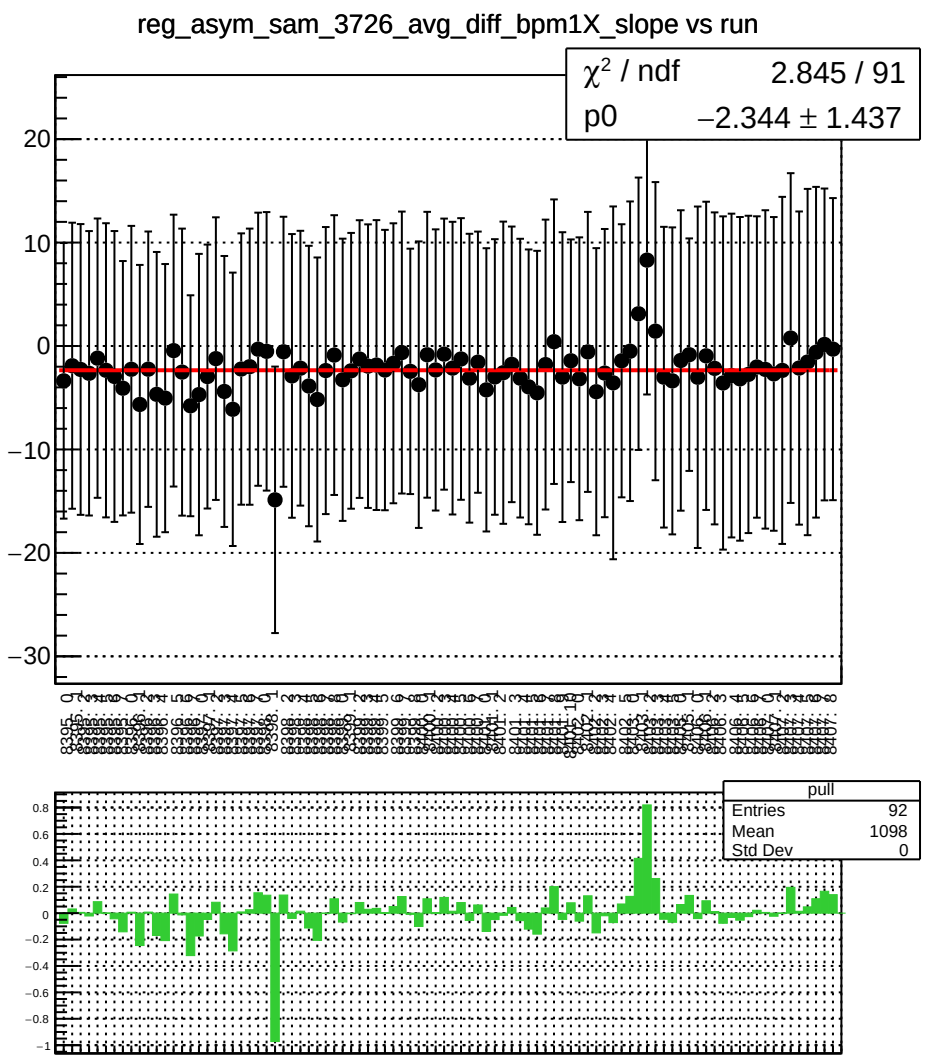

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.905 / 91
p0 1.052 ± 1.23
pull
Entries 92
Mean 812.3
Std Dev 0

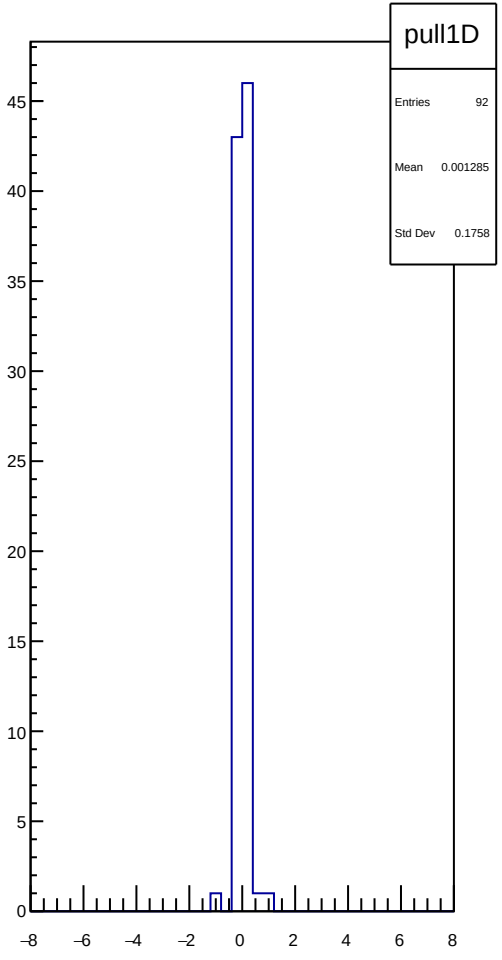

pull1D
Entries 92
Mean 0.001526
Std Dev 0.1777

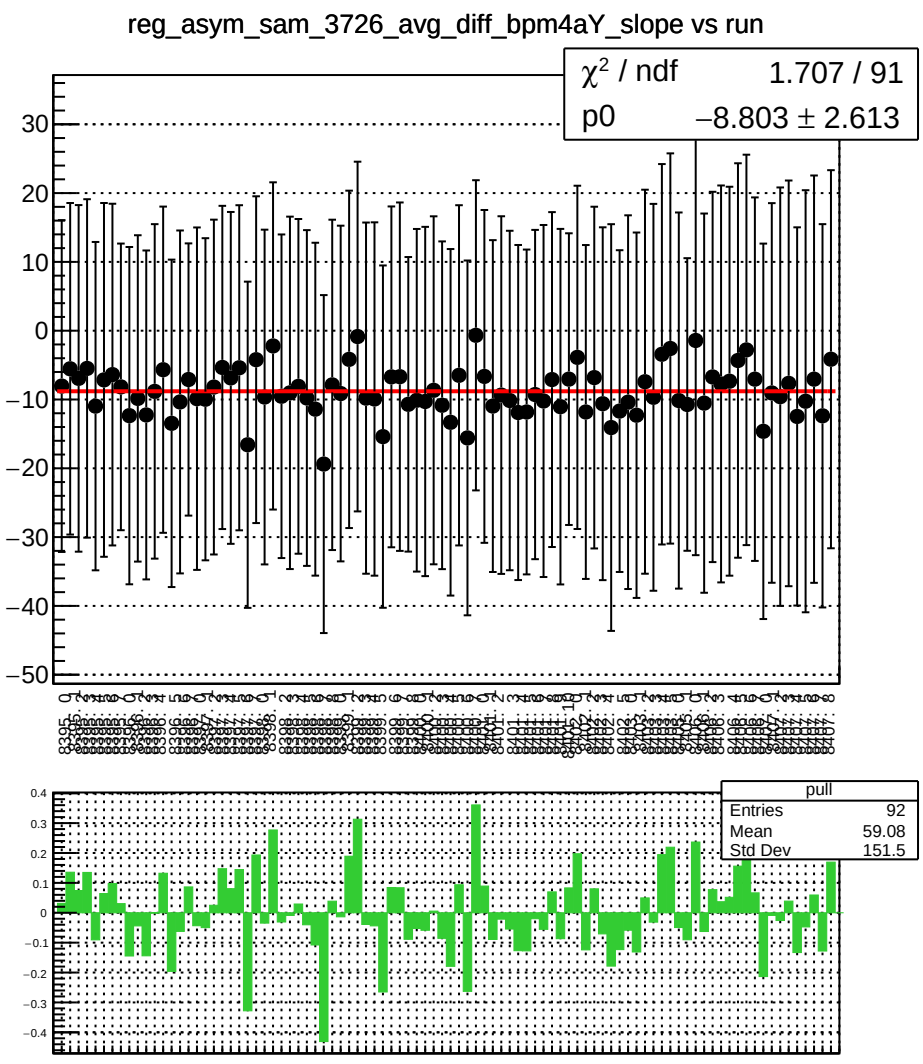

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.213 / 91
p0 −31.4 ± 0.7555
pull
Entries 92
Mean 389.8
Std Dev 0
pull1D
Entries 92
Mean −0.005238
Std Dev 0.238

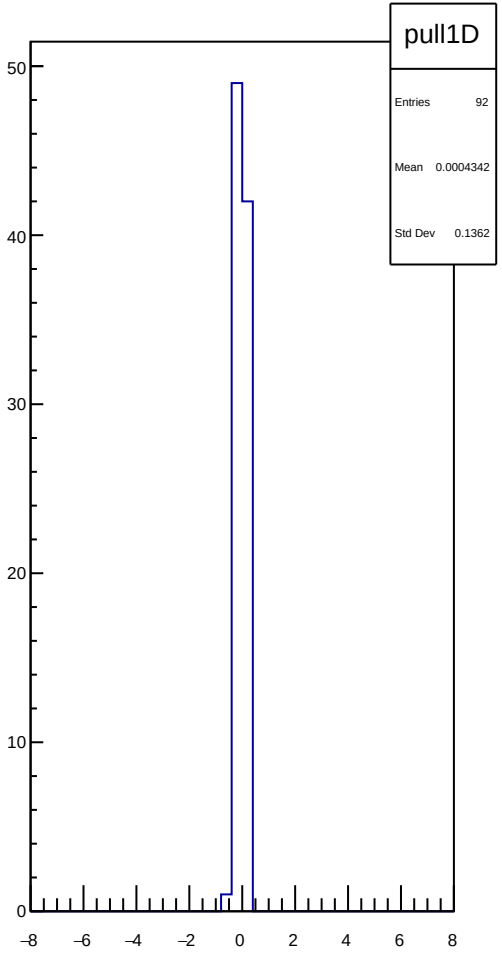

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.602 / 91
p0 8.066 ± 1.286
pull
Entries 92
Mean 215.9
Std Dev 0
pull1D
Entries 92
Mean 0.0001376
Std Dev 0.1682

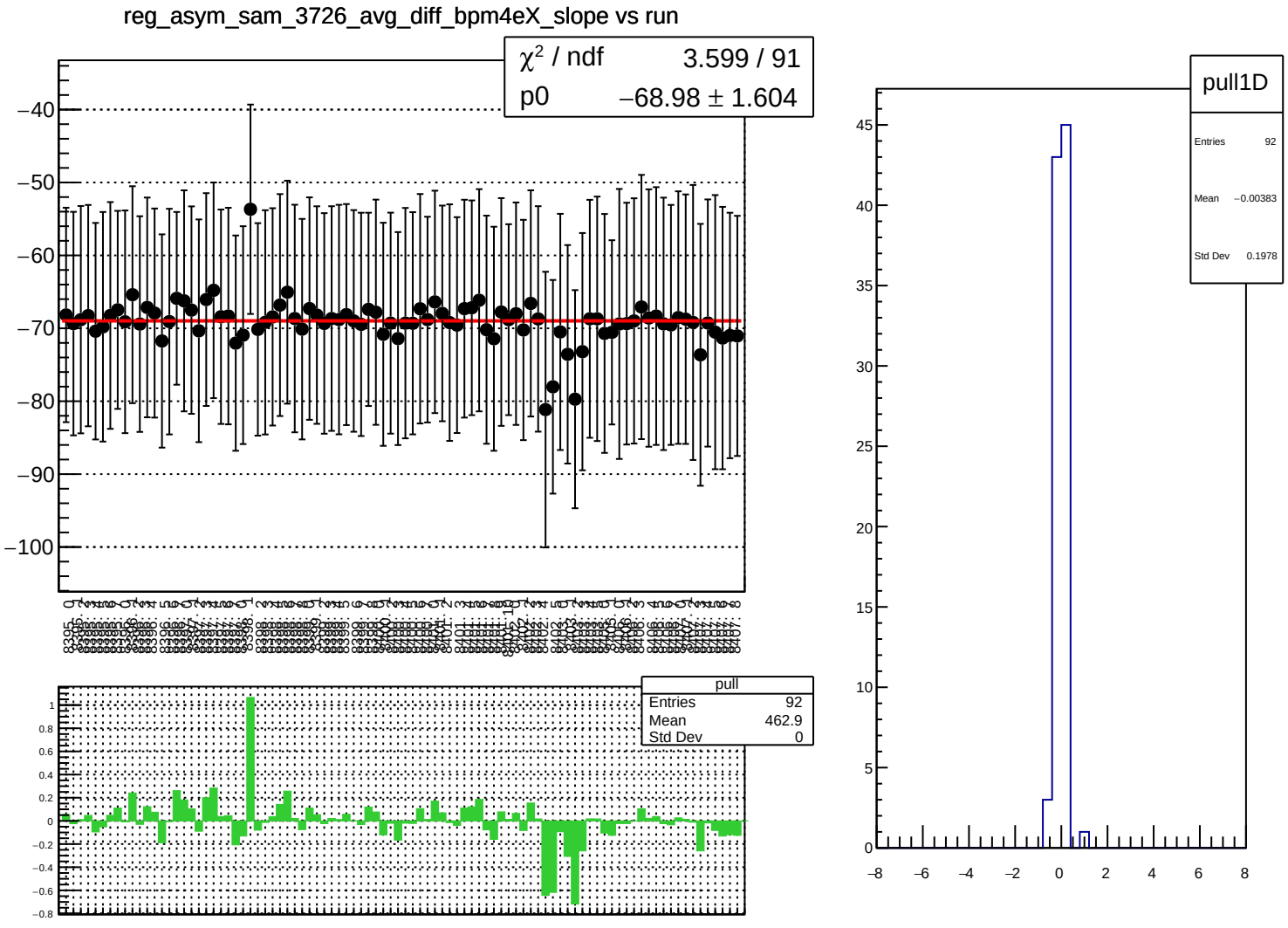

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 2.316 / 91
p0 1.409 ± 0.07918
pull
Entries 92
Mean 623.5
Std Dev 0
pull1D
Entries 92
Mean −0.001391
Std Dev 0.1587

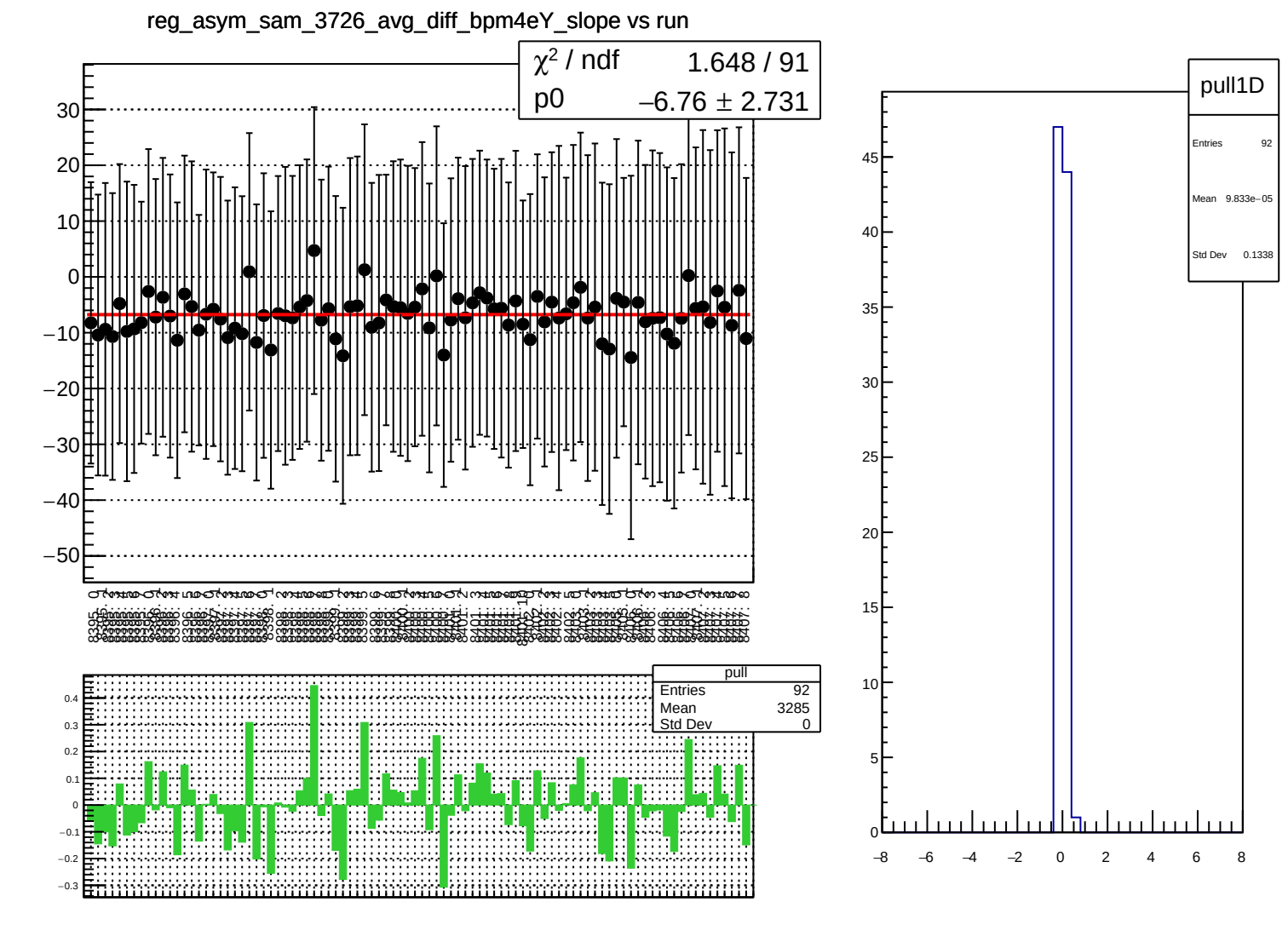

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 2.845 / 91
p0 −2.344 ± 1.437
pull
Entries 92
Mean 1098
Std Dev 0

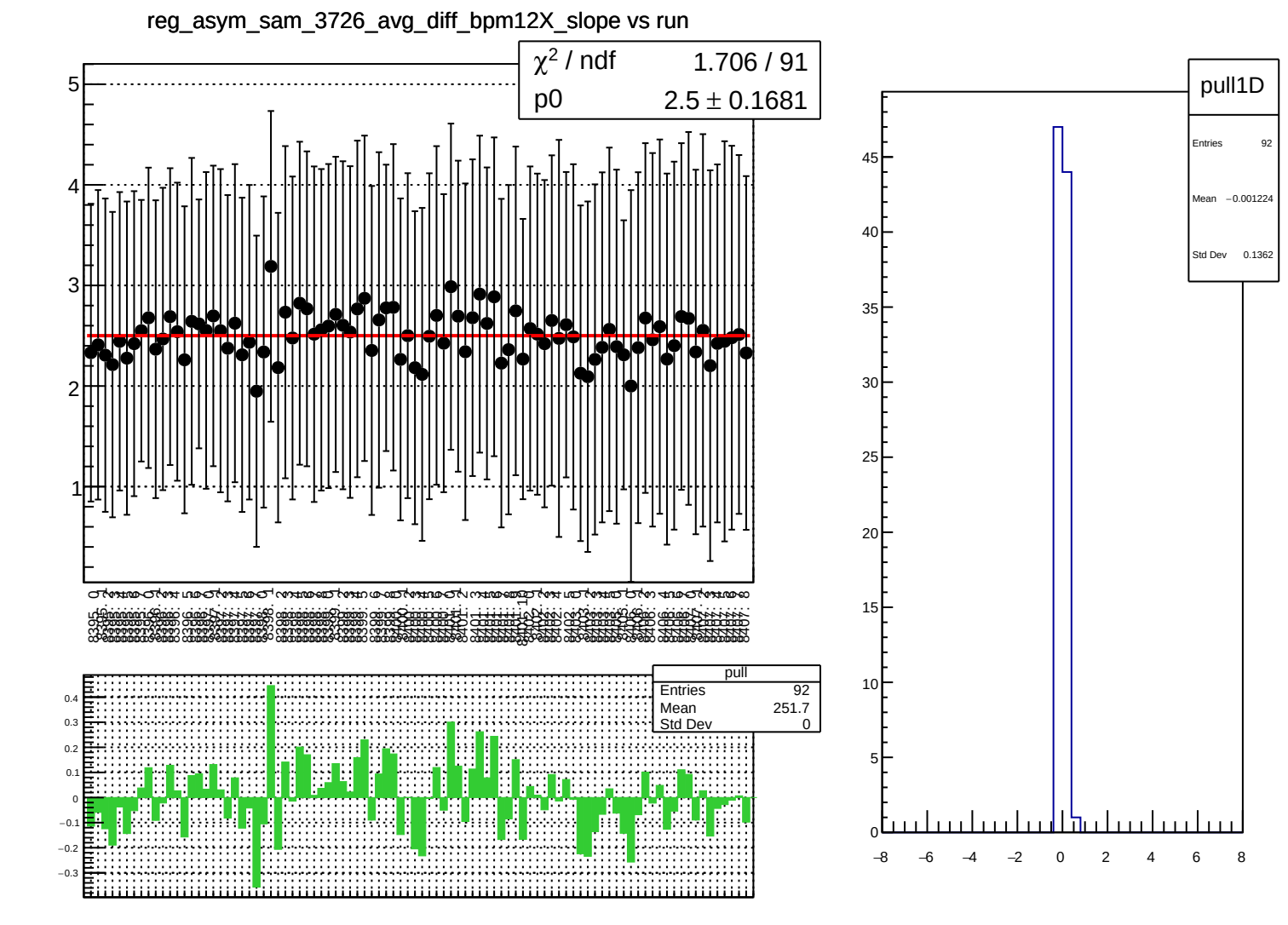

pull1D
Entries 92
Mean 0.001285
Std Dev 0.1758

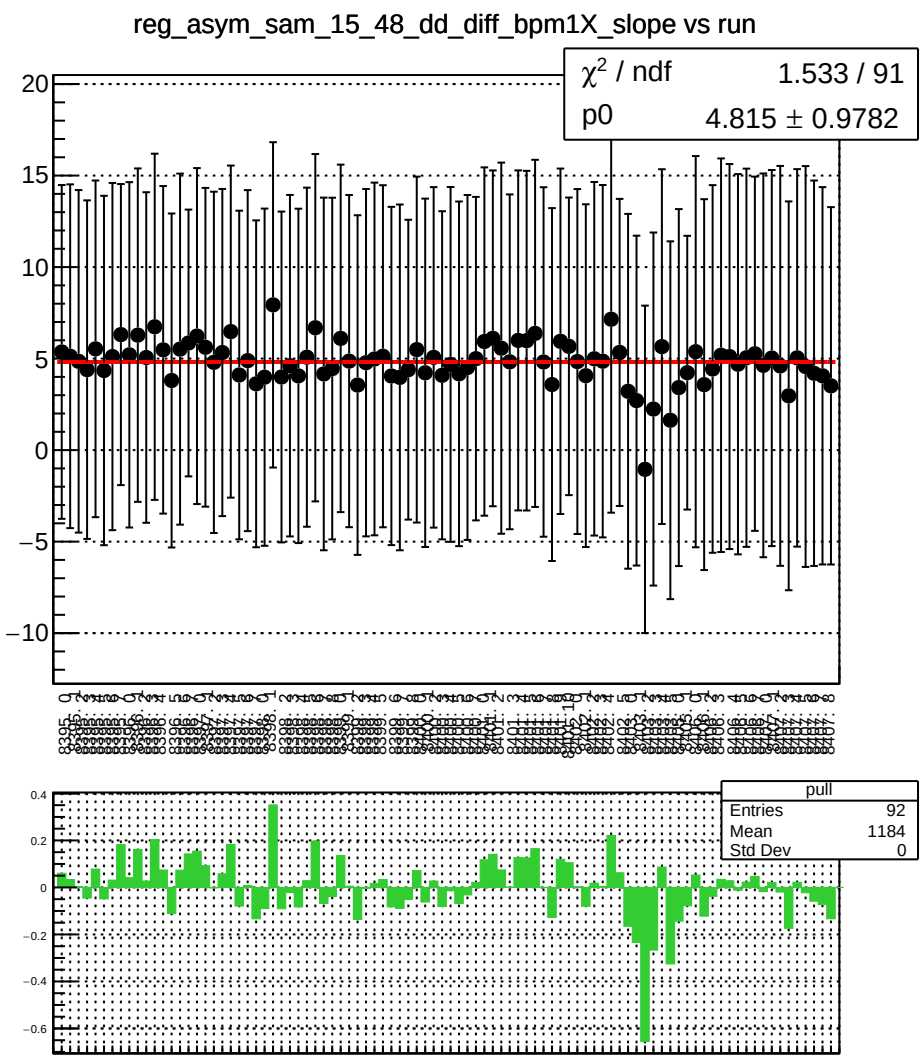

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.707 / 91
p0 −8.803 ± 2.613
pull
Entries 92
Mean 59.08
Std Dev 151.5

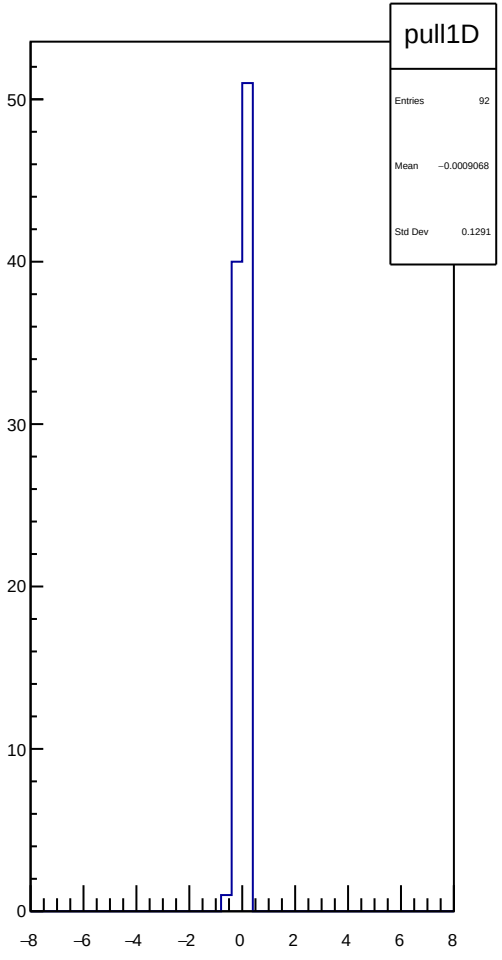

pull1D
Entries 92
Mean 0.0004342
Std Dev 0.1362

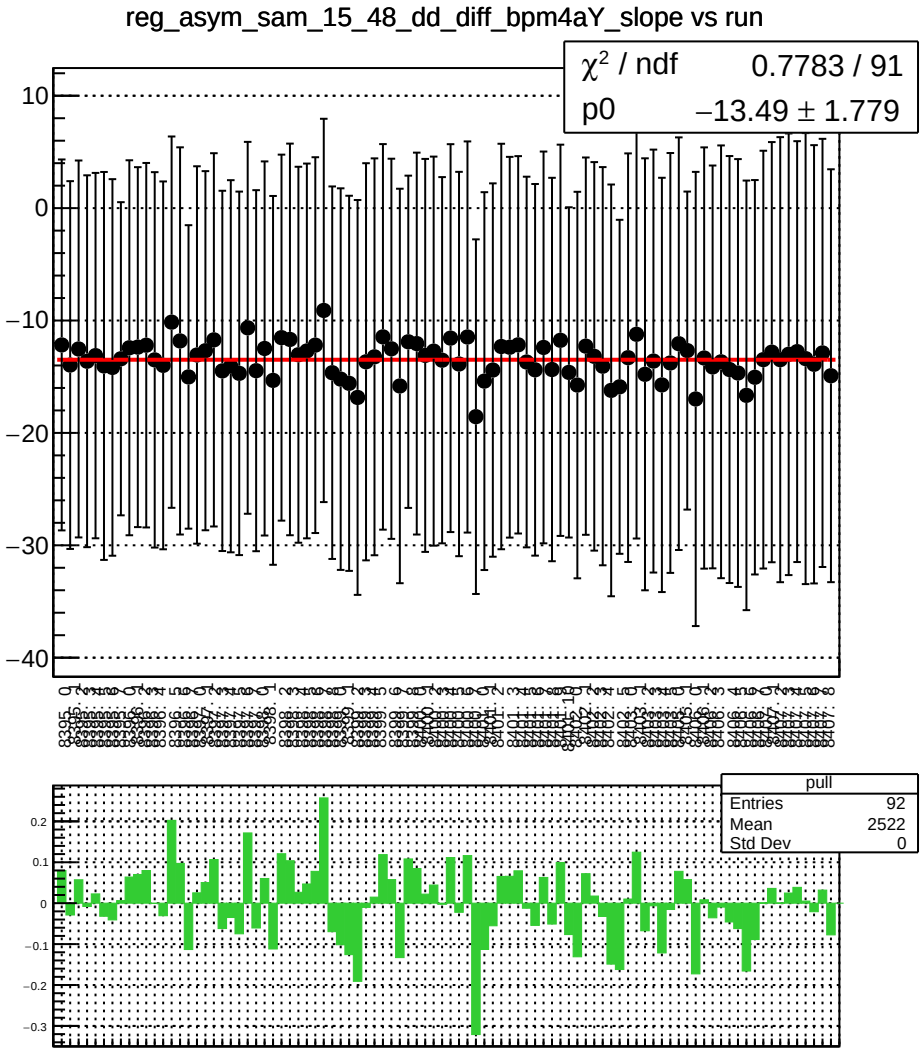

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.599 / 91
p0 −68.98 ± 1.604
pull
Entries 92
Mean 462.9
Std Dev 0
pull1D
Entries 92
Mean −0.00383
Std Dev 0.1978

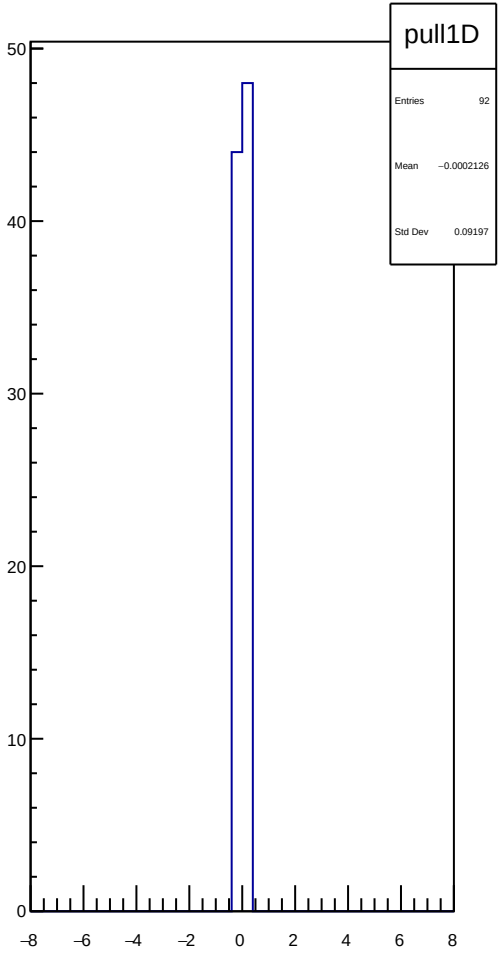

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.648 / 91
p0 −6.76 ± 2.731
pull
Entries 92
Mean 3285
Std Dev 0
pull1D
Entries 92
Mean 9.833e−05
Std Dev 0.1338

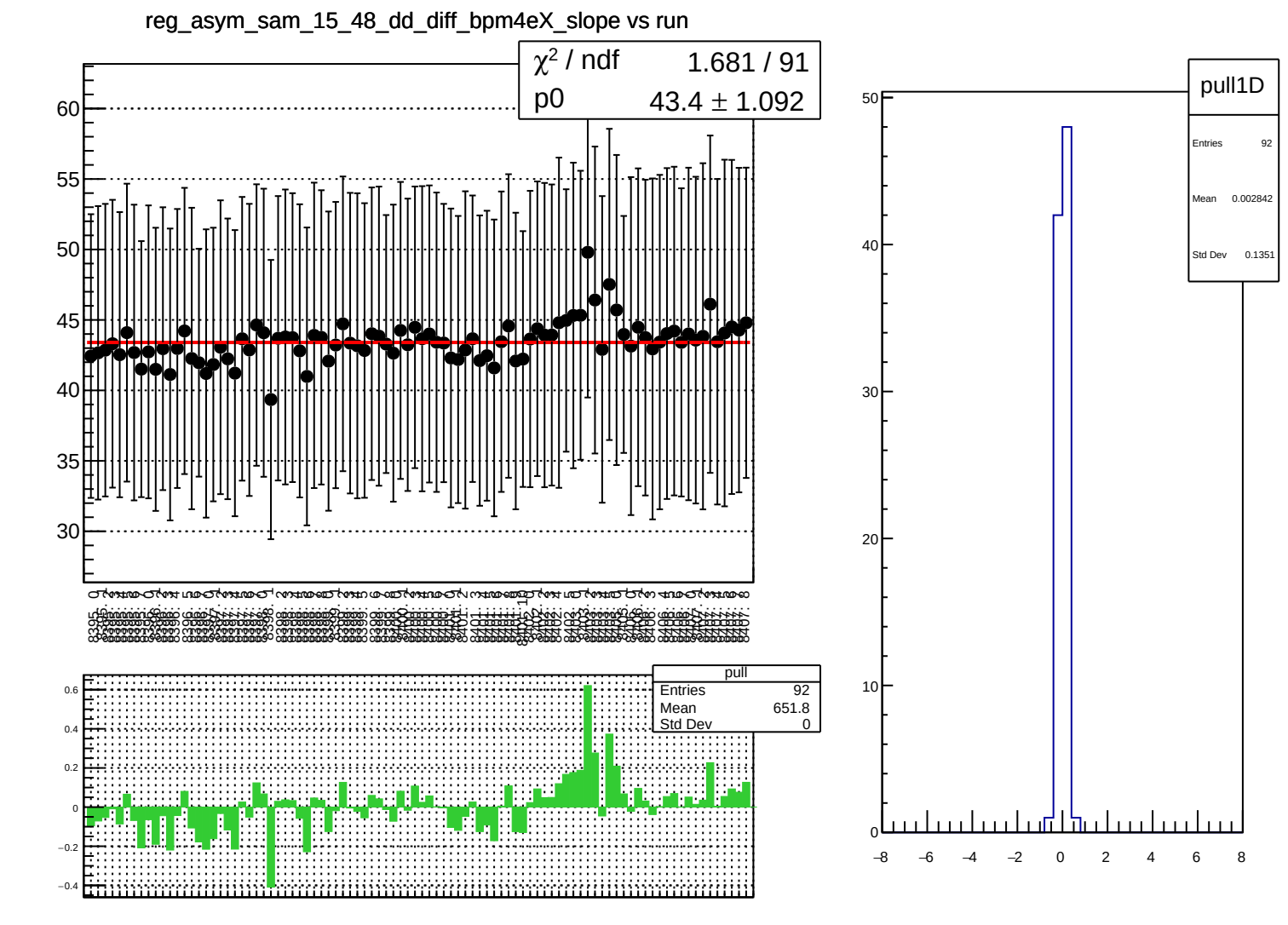

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.706 / 91
p0 2.5 ± 0.1681
pull
Entries 92
Mean 251.7
Std Dev 0
pull1D
Entries 92
Mean −0.001224
Std Dev 0.1362

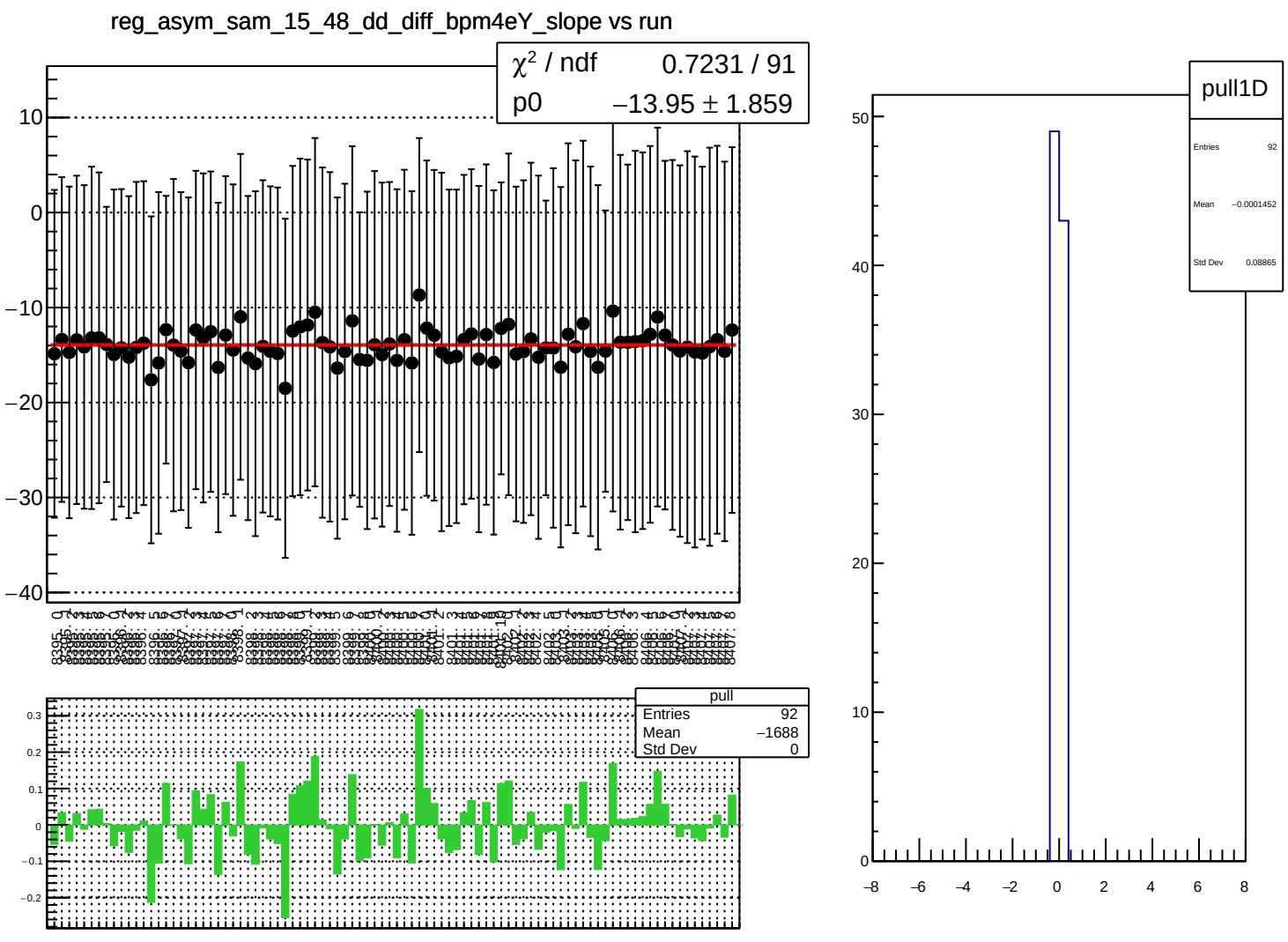

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.533 / 91
p0 4.815 ± 0.9782
pull
Entries 92
Mean 1184
Std Dev 0

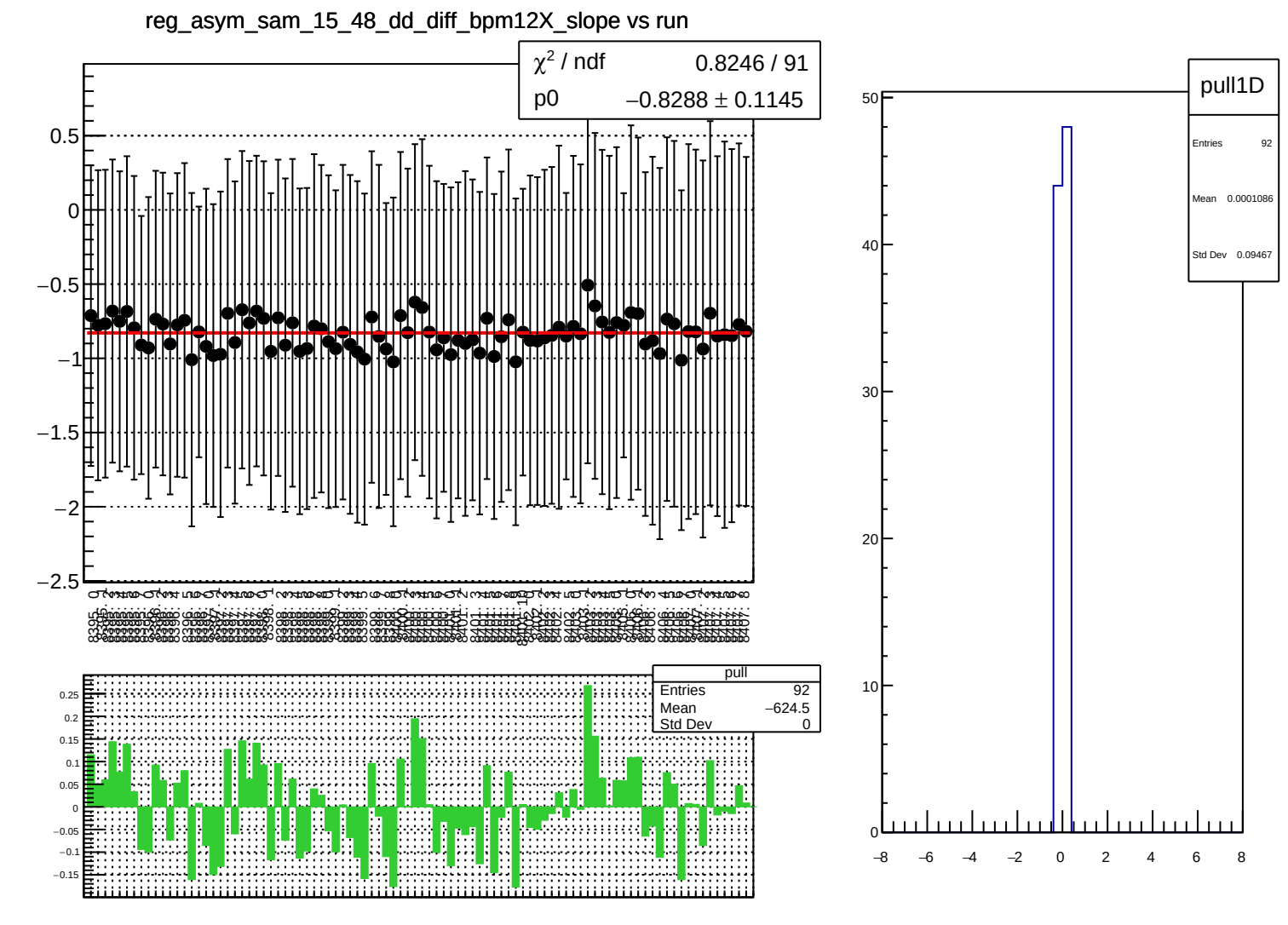

pull1D
Entries 92
Mean −0.0009068
Std Dev 0.1291

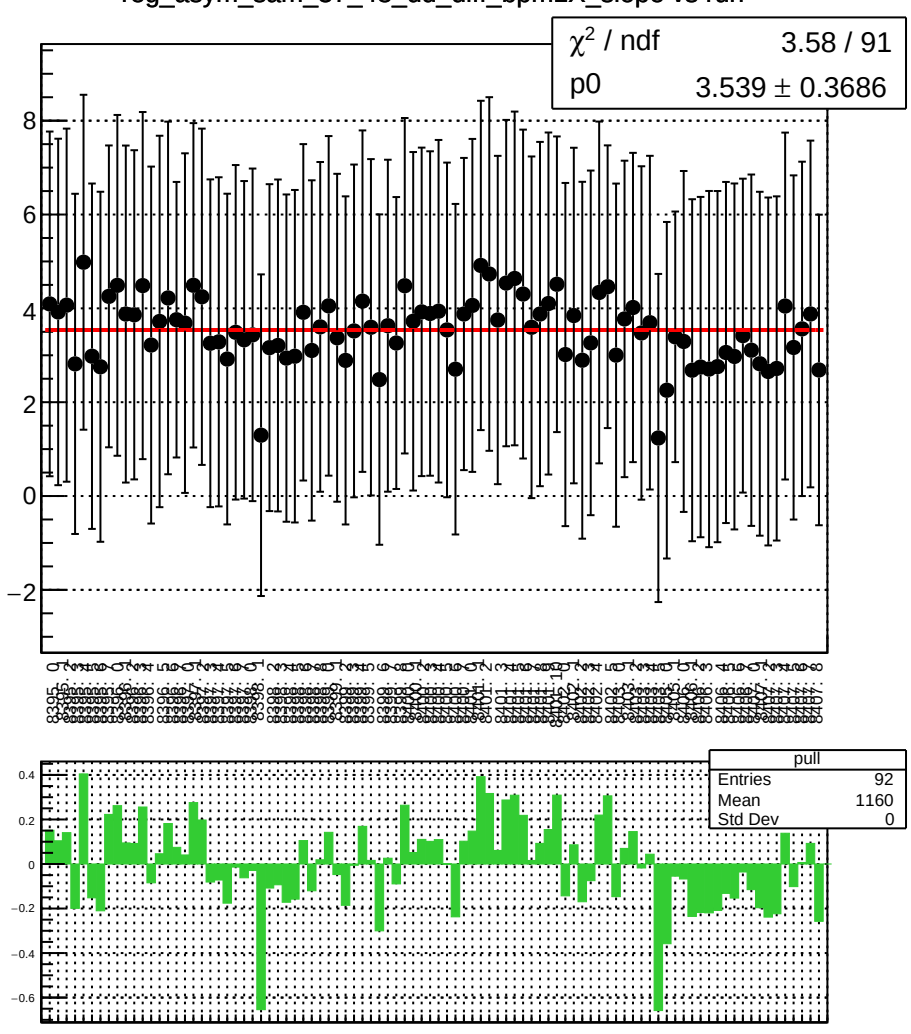

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7783 / 91
p0 −13.49 ± 1.779
pull
Entries 92
Mean 2522
Std Dev 0

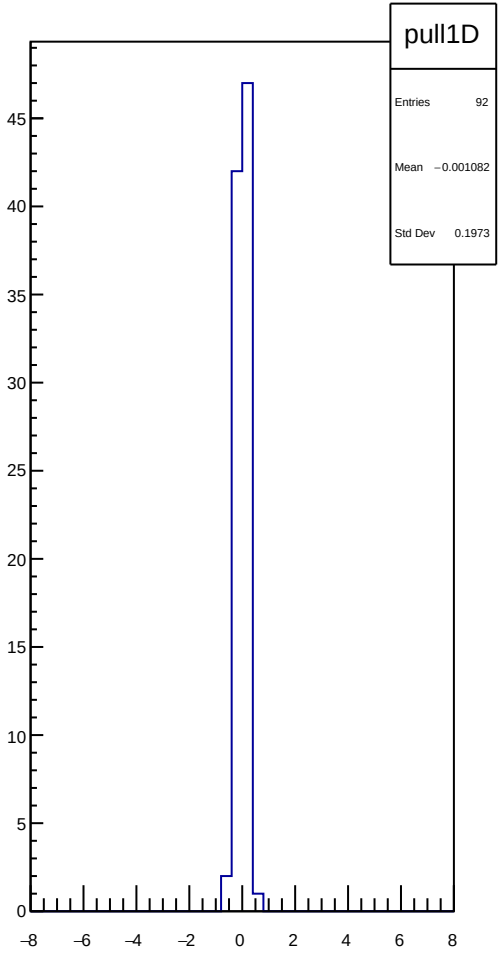

pull1D
Entries 92
Mean −0.0002126
Std Dev 0.09197

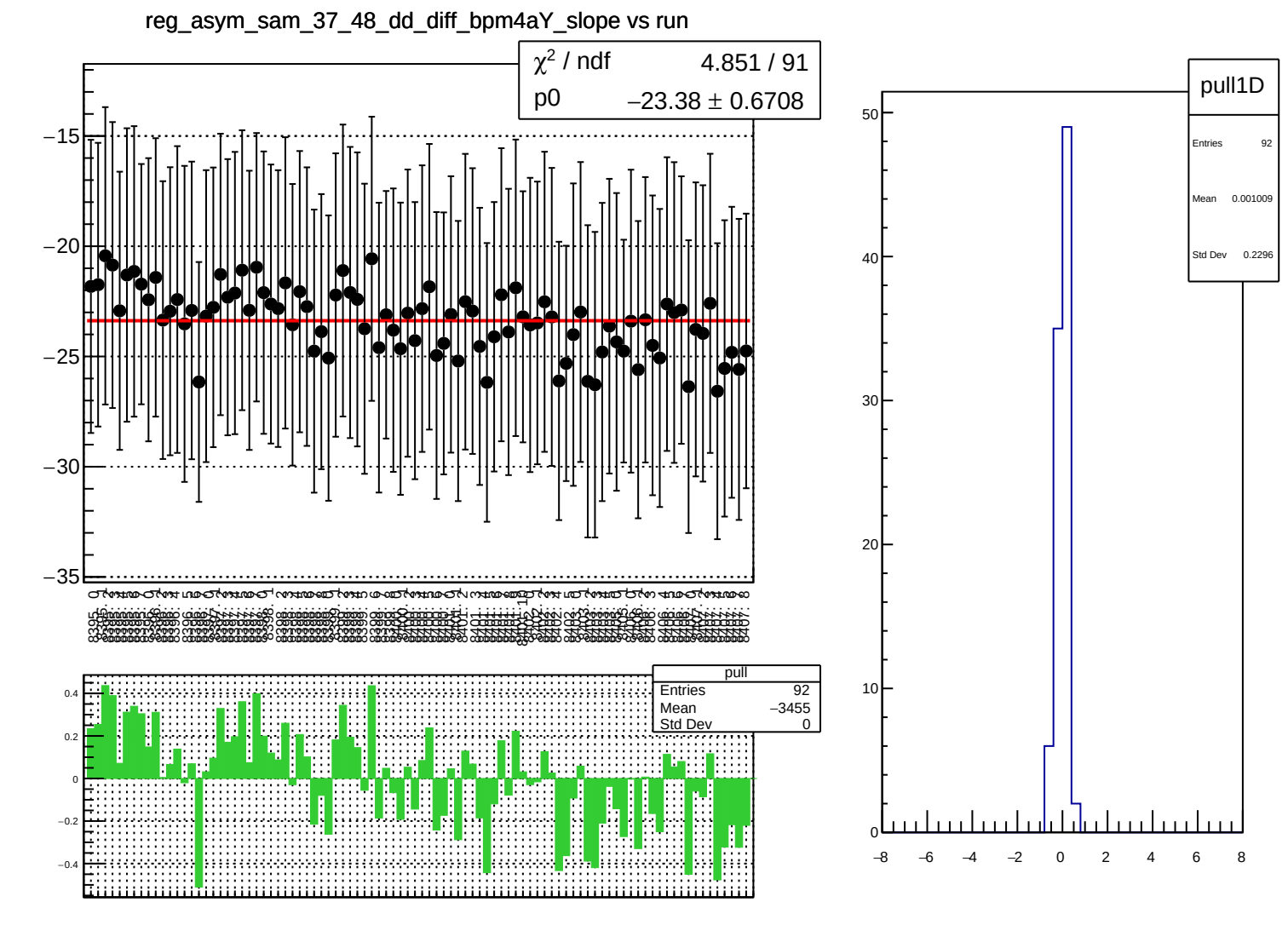

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.681 / 91
p0 43.4 ± 1.092
pull
Entries 92
Mean 651.8
Std Dev 0
pull1D
Entries 92
Mean 0.002842
Std Dev 0.1351

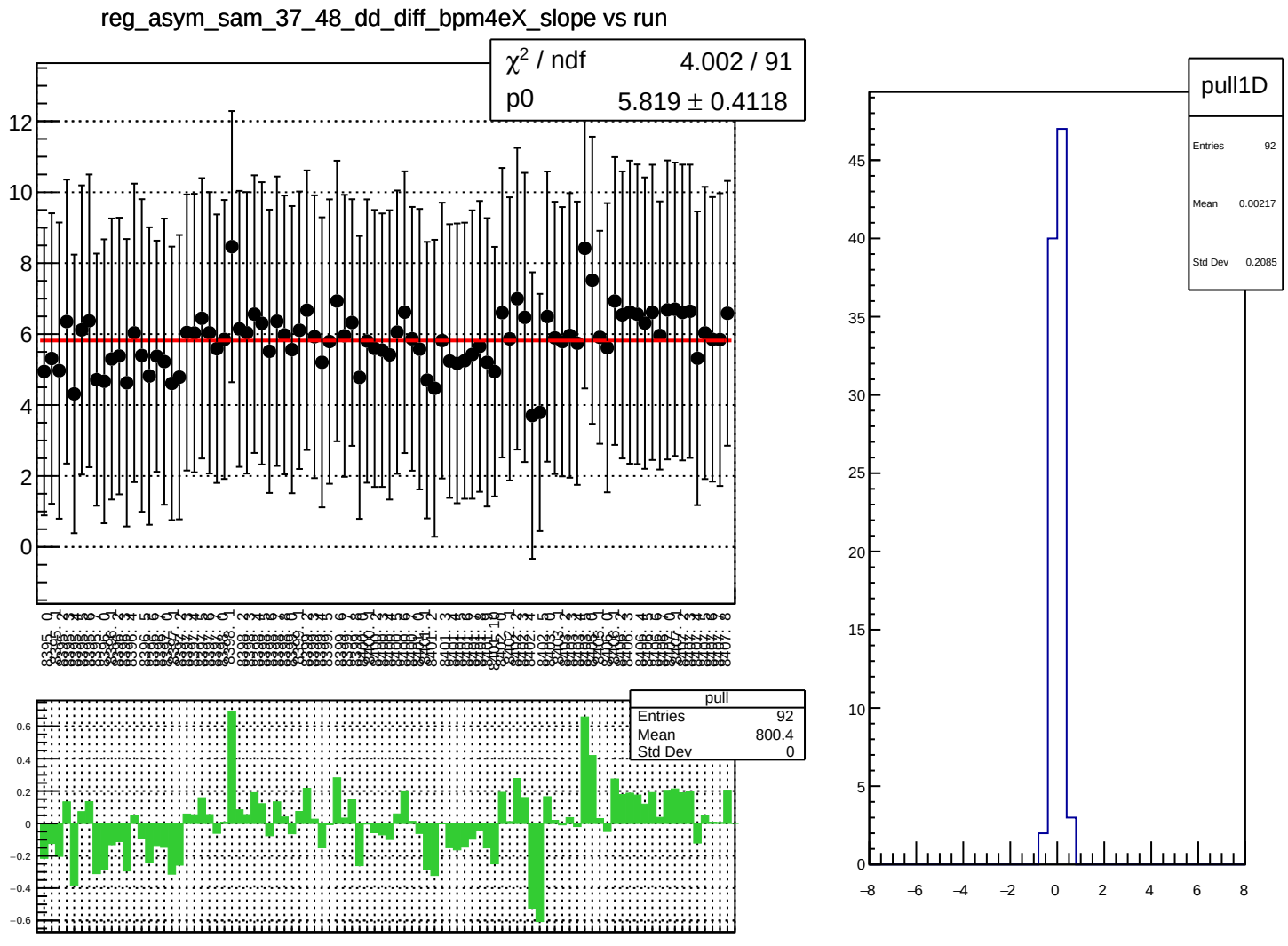

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7231 / 91
p0 −13.95 ± 1.859
pull
Entries 92
Mean −1688
Std Dev 0
pull1D
Entries 92
Mean −0.0001452
Std Dev 0.08865

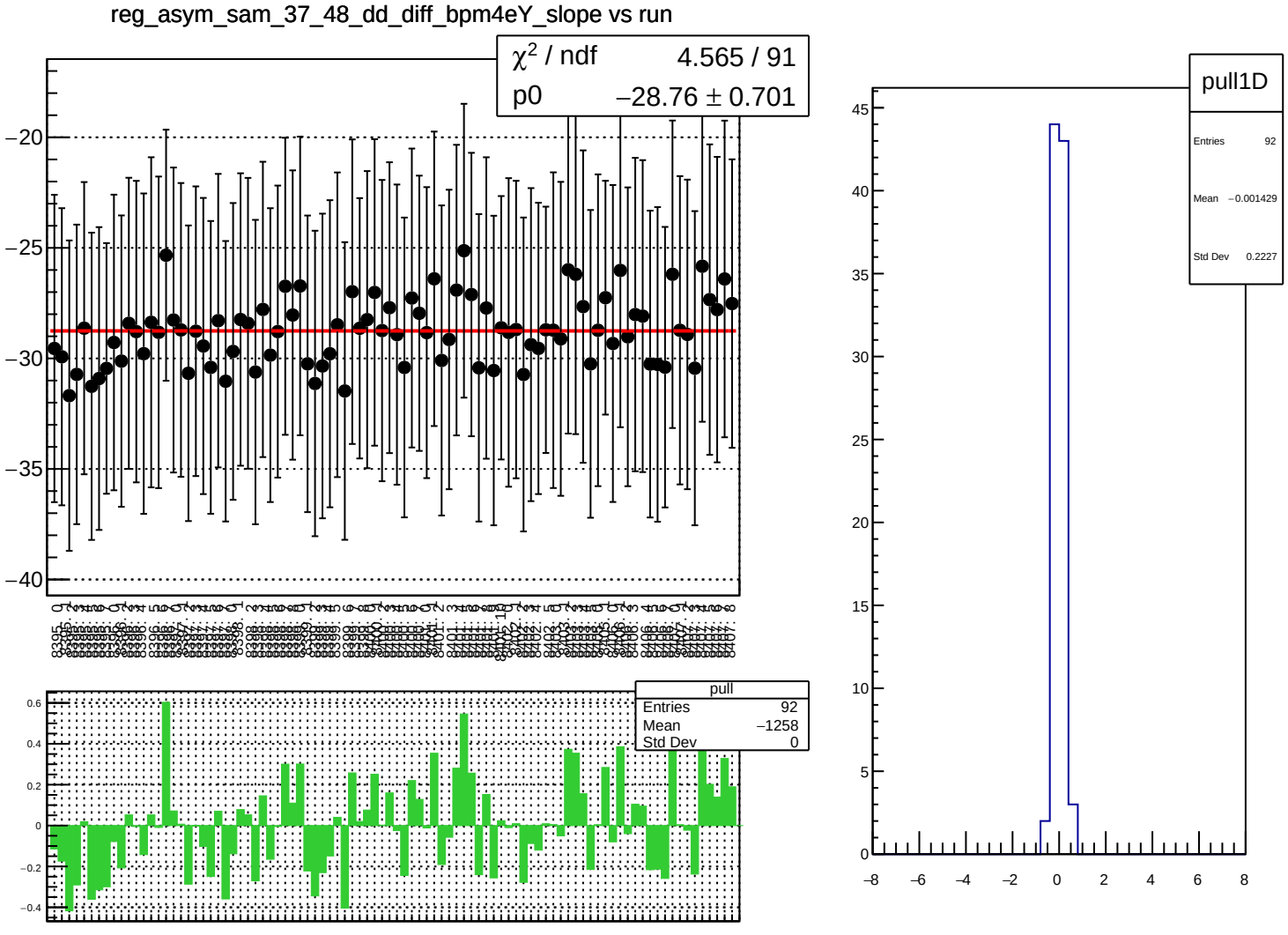

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8246 / 91
p0 −0.8288 ± 0.1145
pull
Entries 92
Mean −624.5
Std Dev 0
pull1D
Entries 92
Mean 0.0001086
Std Dev 0.09467

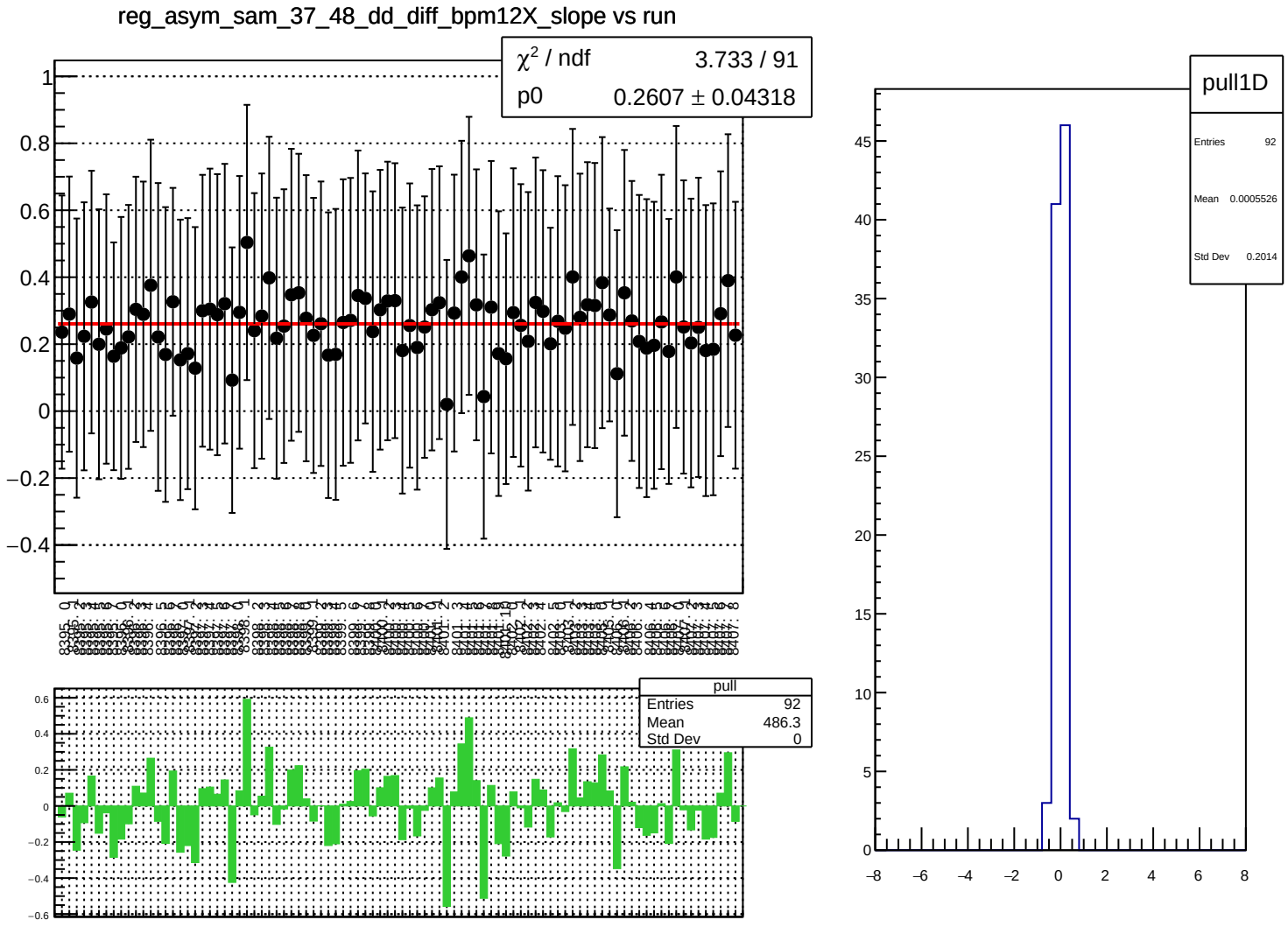

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.58 / 91
p0 3.539 ± 0.3686
pull
Entries 92
Mean 1160
Std Dev 0

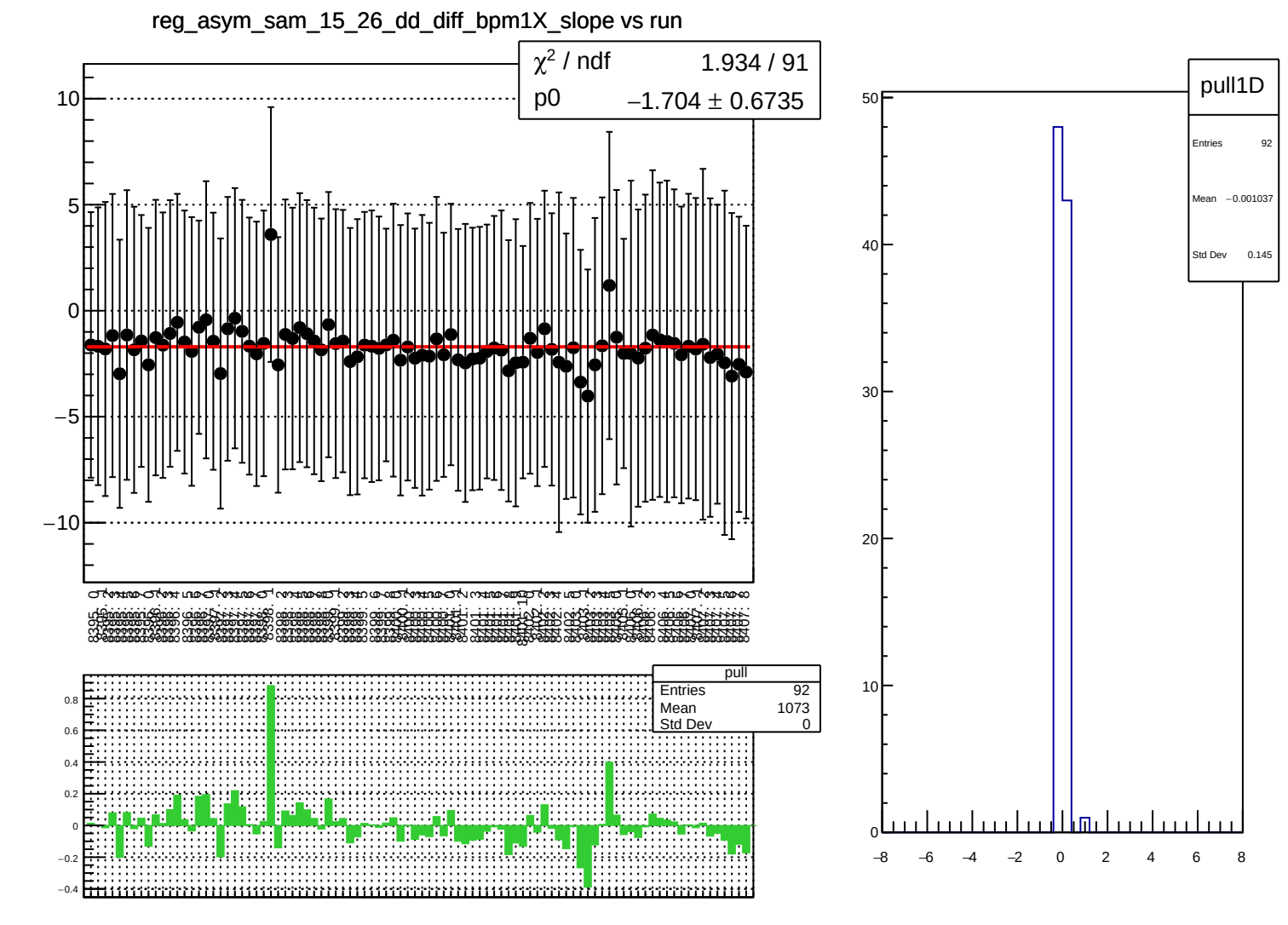

pull1D
Entries 92
Mean −0.001082
Std Dev 0.1973

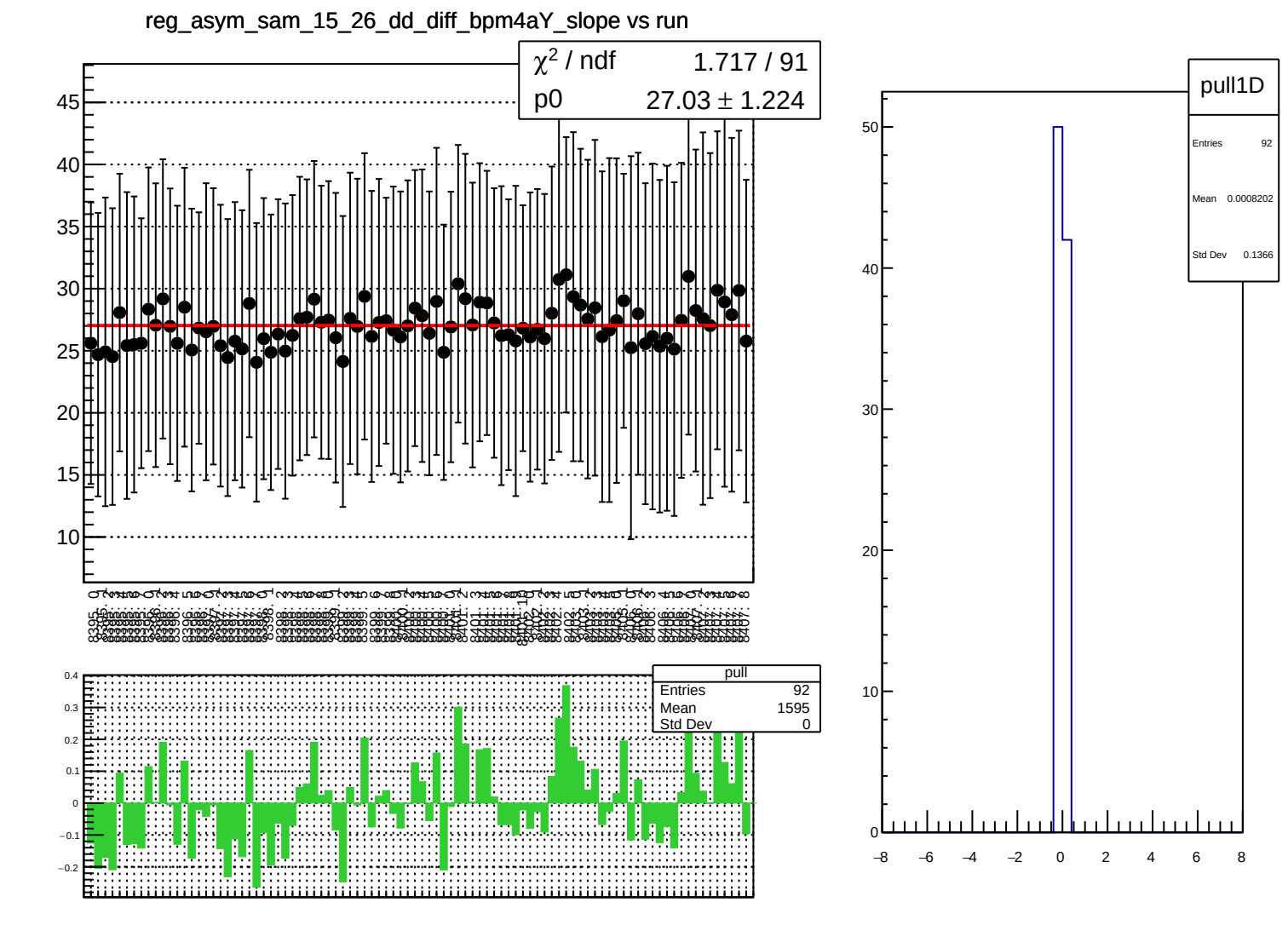

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.851 / 91
p0 −23.38 ± 0.6708
pull
Entries 92
Mean −3455
Std Dev 0
pull1D
Entries 92
Mean 0.001009
Std Dev 0.2296

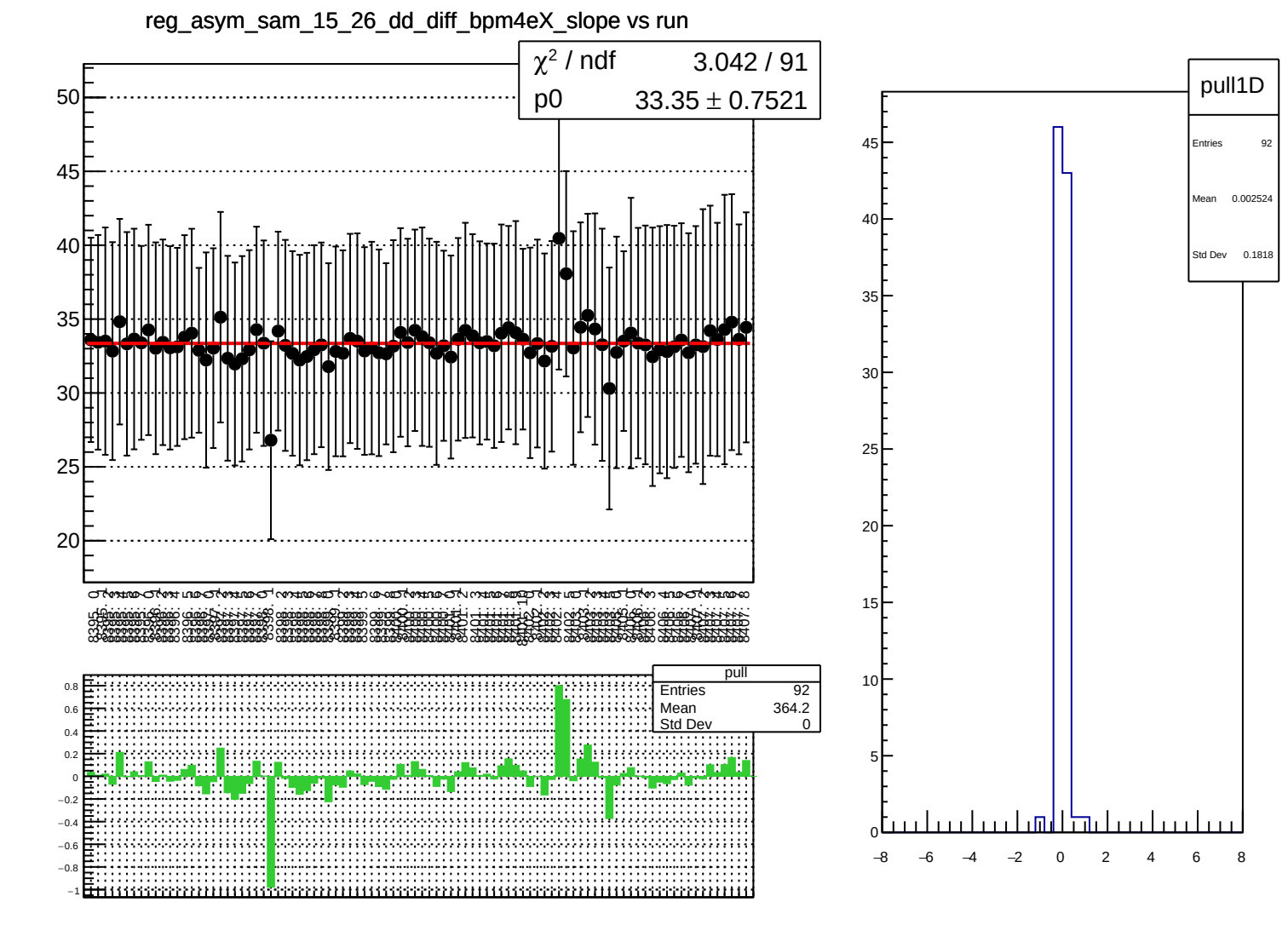

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.002 / 91
p0 5.819 ± 0.4118
pull
Entries 92
Mean 800.4
Std Dev 0
pull1D
Entries 92
Mean 0.00217
Std Dev 0.2085

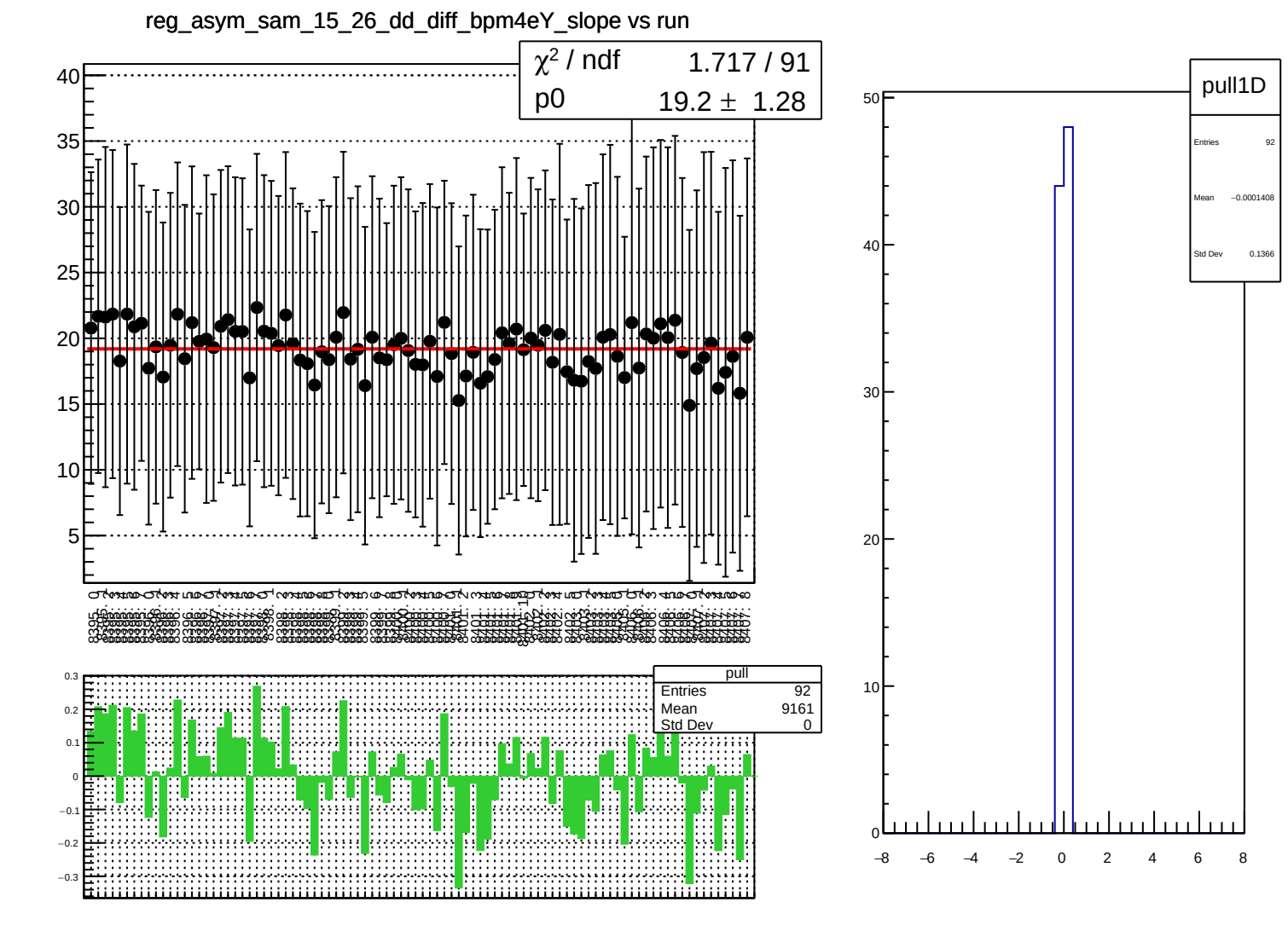

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.565 / 91
p0 −28.76 ± 0.701
−20
−25
−30
−35
−40
pull
Entries 92
Mean −1258
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean −0.001429
Std Dev 0.2227
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

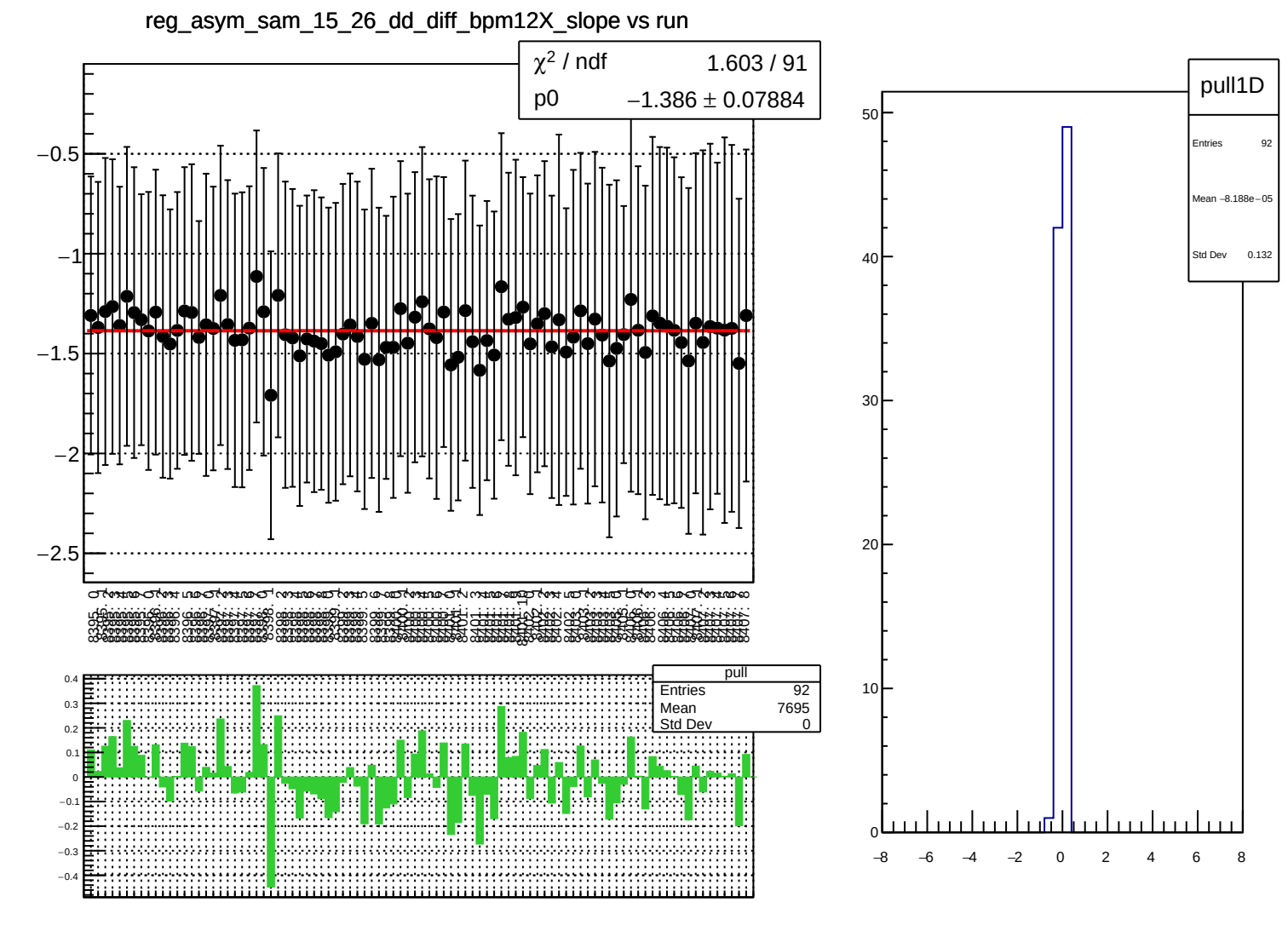

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.733 / 91
p0 0.2607 ± 0.04318
pull
Entries 92
Mean 486.3
Std Dev 0
pull1D
Entries 92
Mean 0.0005526
Std Dev 0.2014

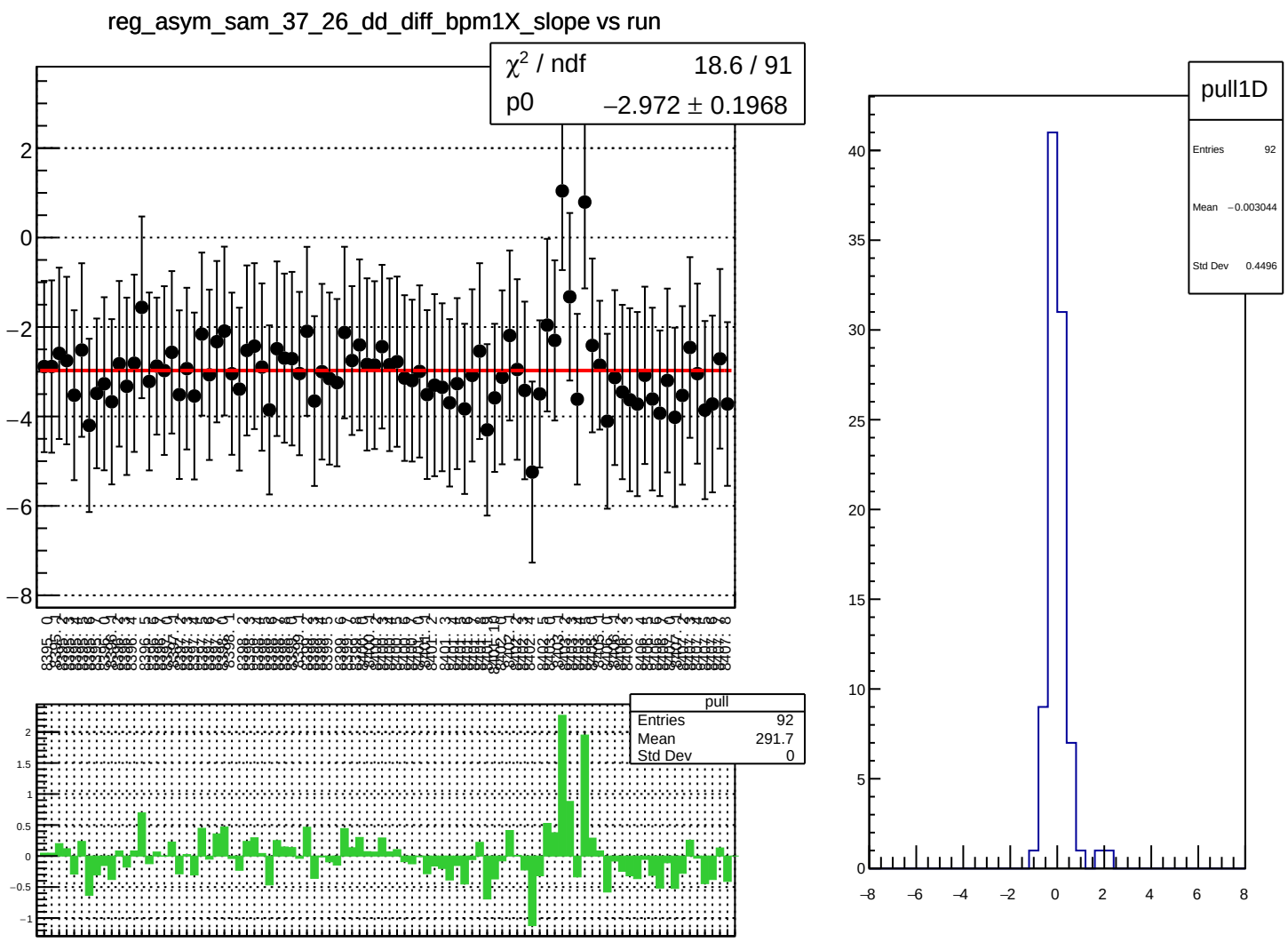

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.934 / 91
p0 −1.704 ± 0.6735
pull
Entries 92
Mean 1073
Std Dev 0
pull1D
Entries 92
Mean −0.001037
Std Dev 0.145

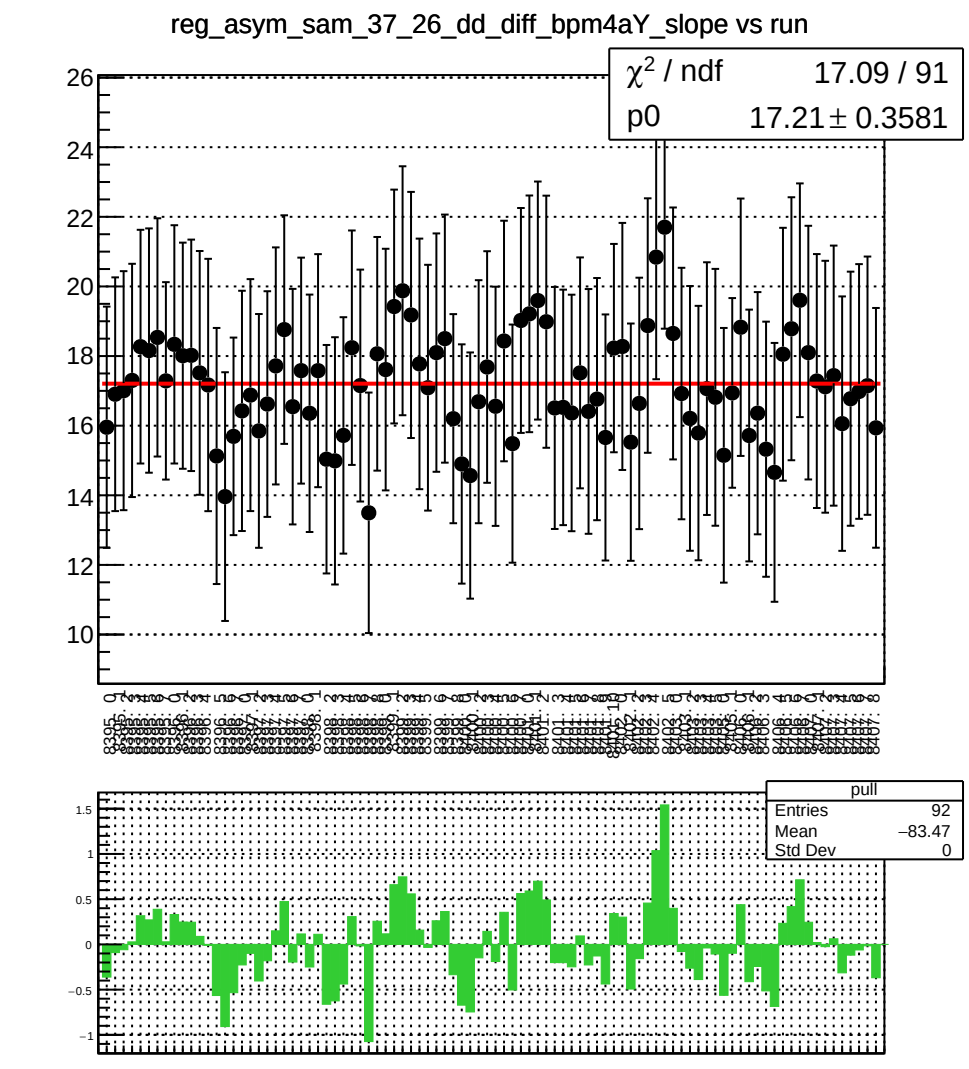

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.717 / 91
p0 27.03 ± 1.224
pull
Entries 92
Mean 1595
Std Dev 0
pull1D
Entries 92
Mean 0.0008202
Std Dev 0.1366

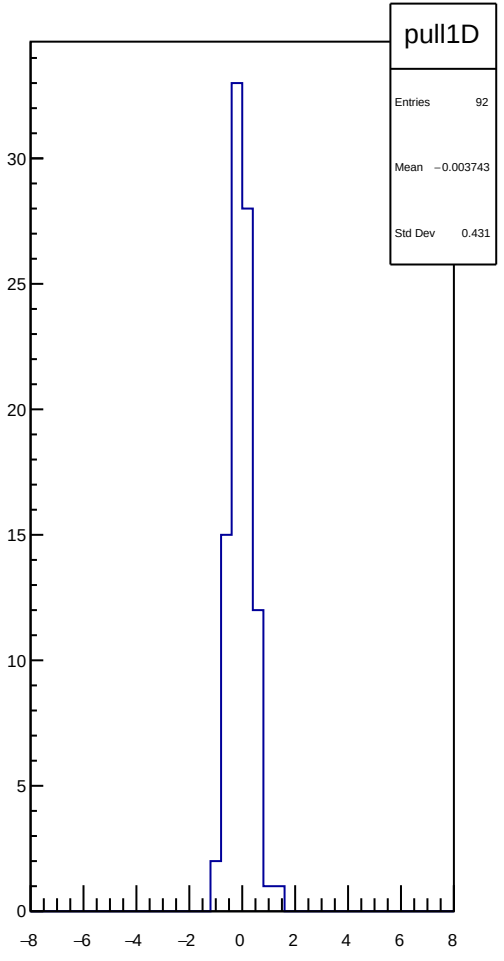

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.042 / 91
p0 33.35 ± 0.7521
pull
Entries 92
Mean 364.2
Std Dev 0
pull1D
Entries 92
Mean 0.002524
Std Dev 0.1818

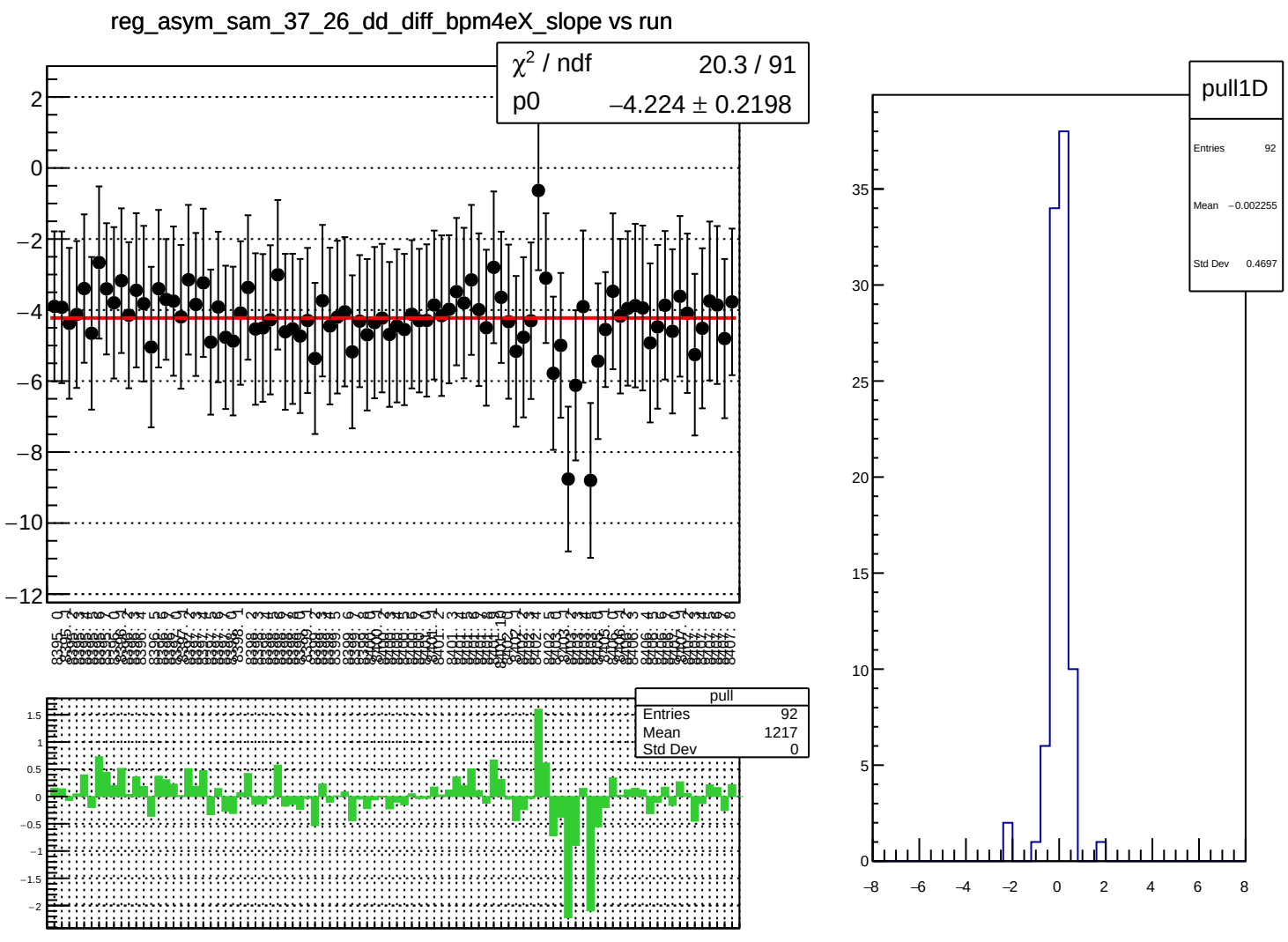

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.717 / 91
p0 19.2 ± 1.28
pull
Entries 92
Mean 9161
Std Dev 0
pull1D
Entries 92
Mean −0.0001408
Std Dev 0.1366

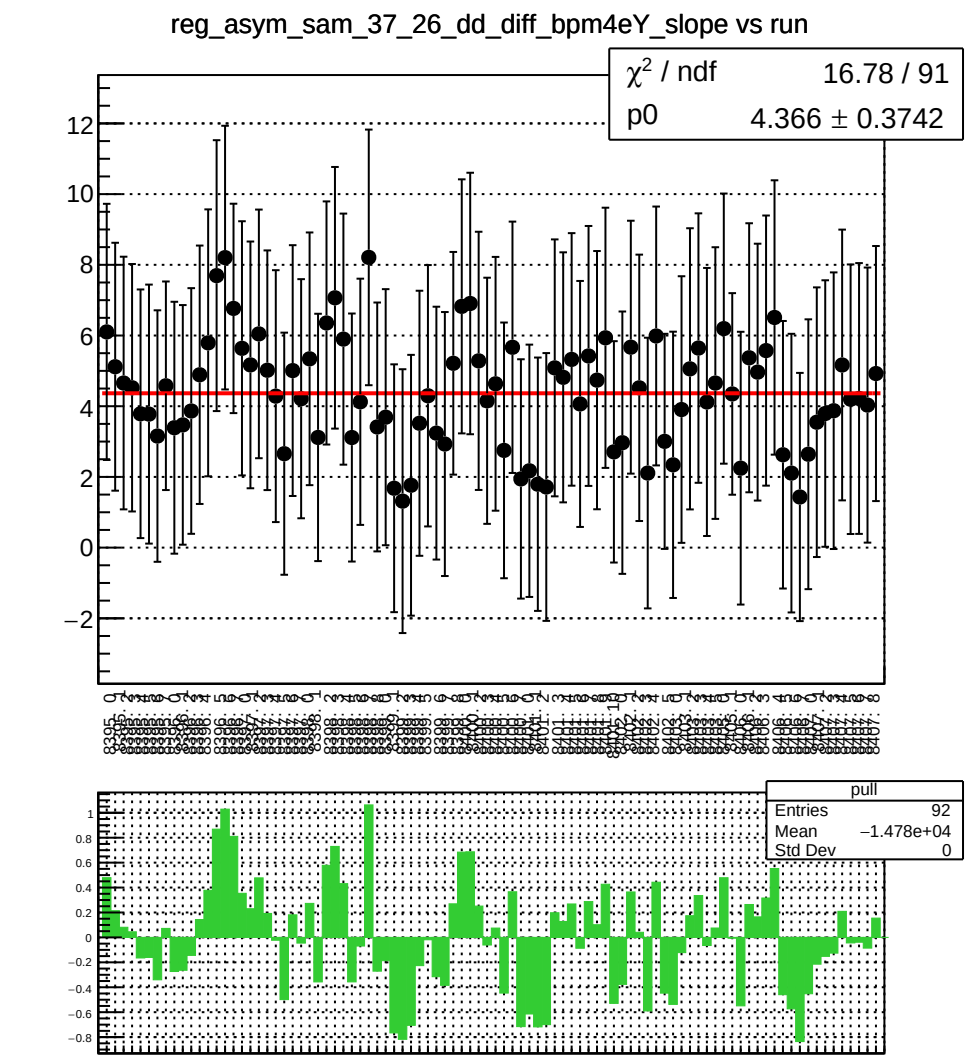

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.603 / 91
p0 −1.386 ± 0.07884
−0.5
−1
−1.5
−2
−2.5
pull
Entries 92
Mean 7695
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 92
Mean −8.188e−05
Std Dev 0.132
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

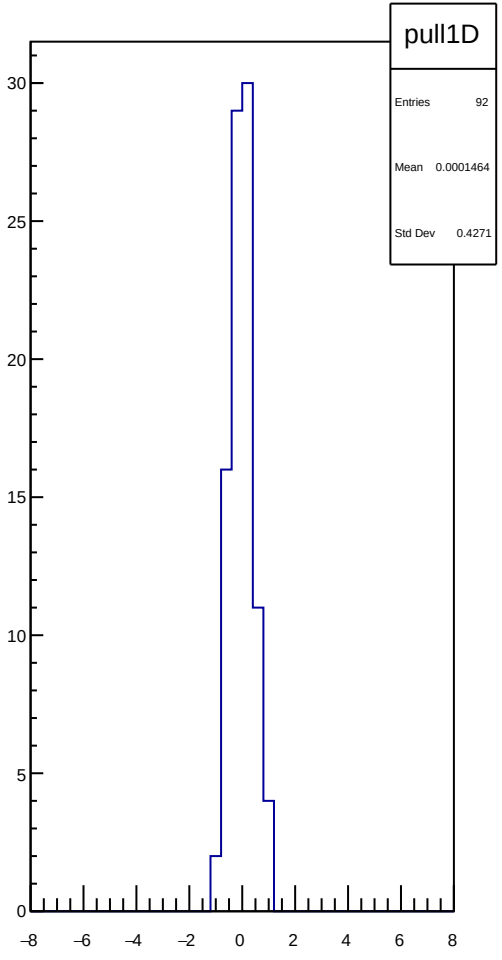

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 18.6 / 91
p0 −2.972 ± 0.1968
pull
Entries 92
Mean 291.7
Std Dev 0
pull1D
Entries 92
Mean −0.003044
Std Dev 0.4496

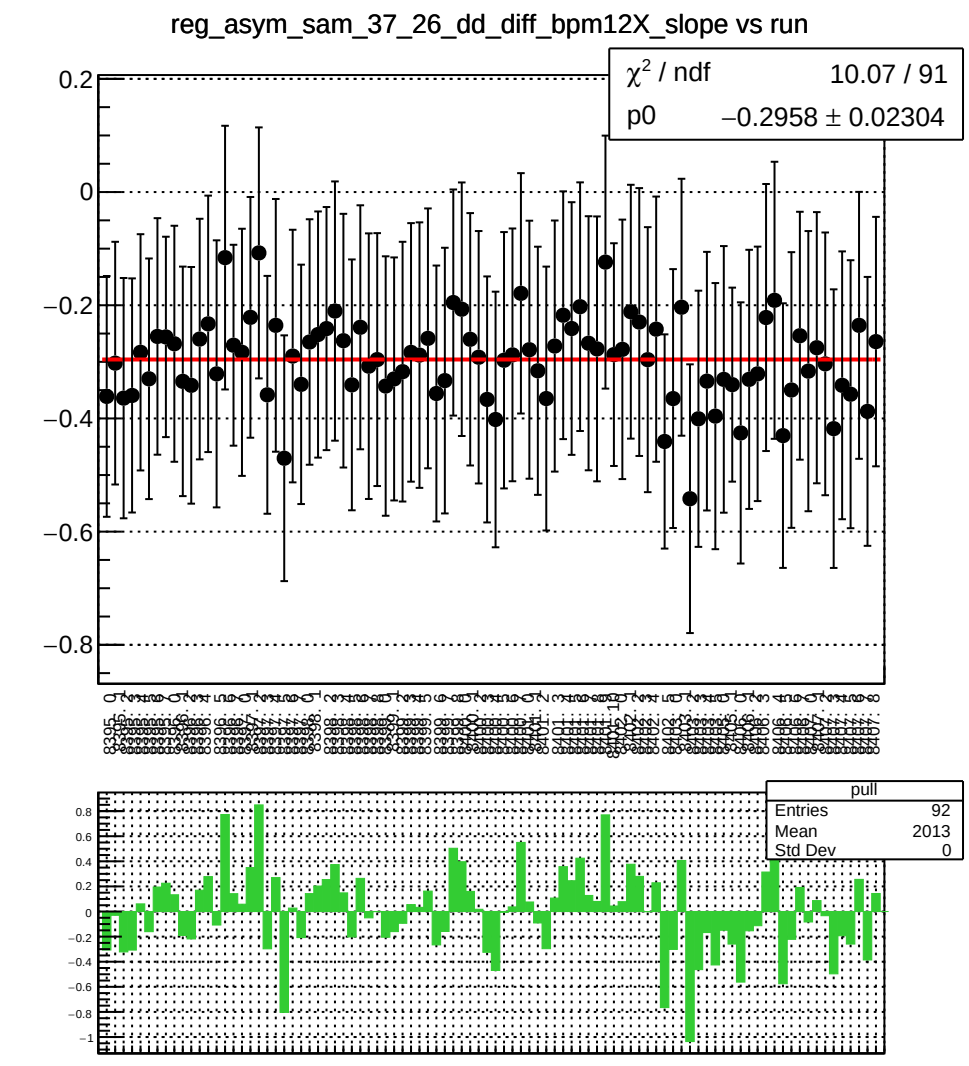

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.09 / 91
p0 17.21 ± 0.3581
pull
Entries 92
Mean −83.47
Std Dev 0

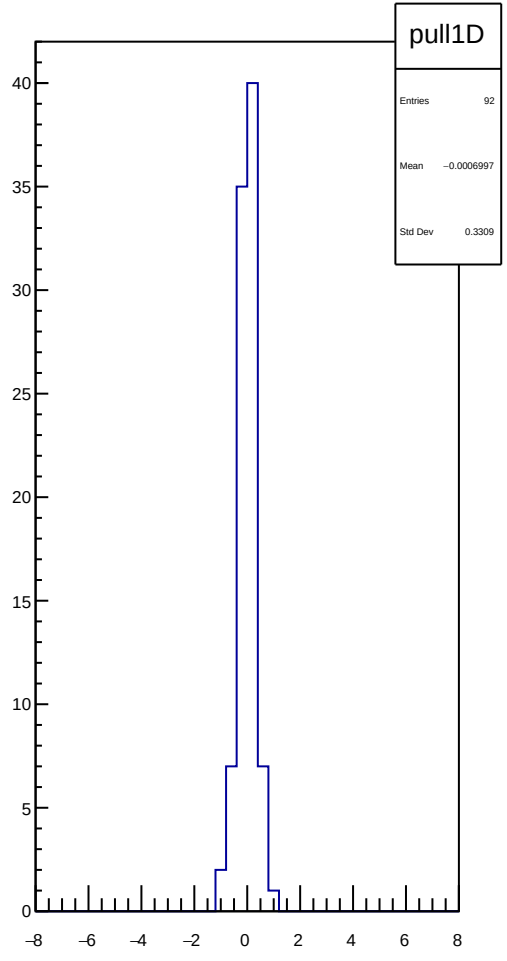

pull1D
Entries 92
Mean −0.003743
Std Dev 0.431

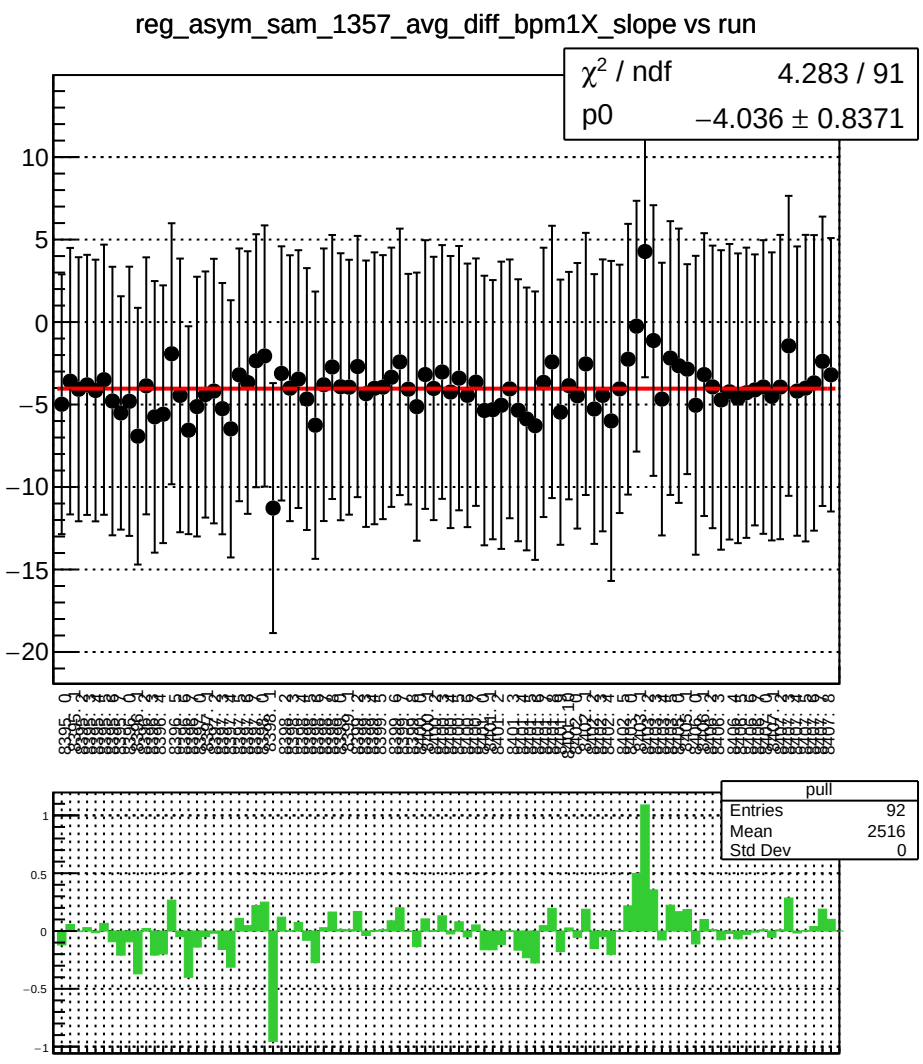

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.3 / 91
p0 −4.224 ± 0.2198
pull
Entries 92
Mean 1217
Std Dev 0
pull1D
Entries 92
Mean −0.002255
Std Dev 0.4697

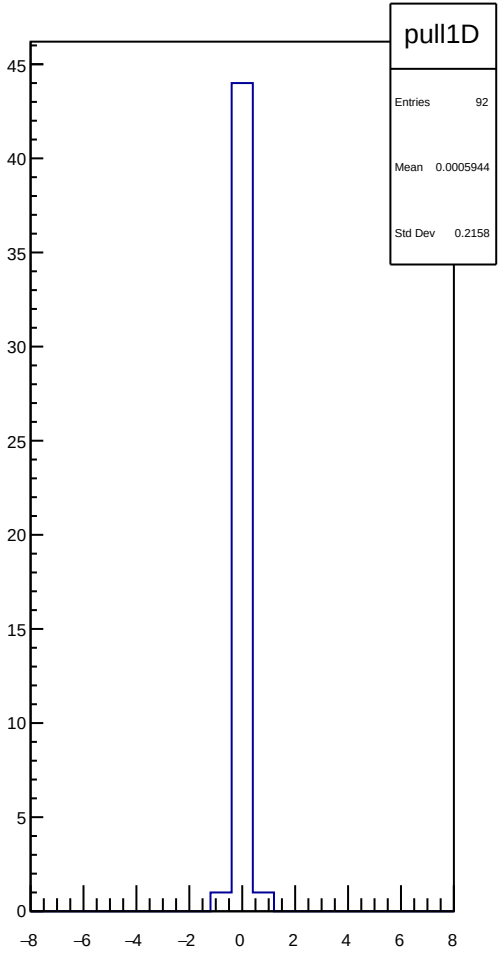

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.78 / 91
p0 4.366 ± 0.3742
pull
Entries 92
Mean −1.478e+04
Std Dev 0

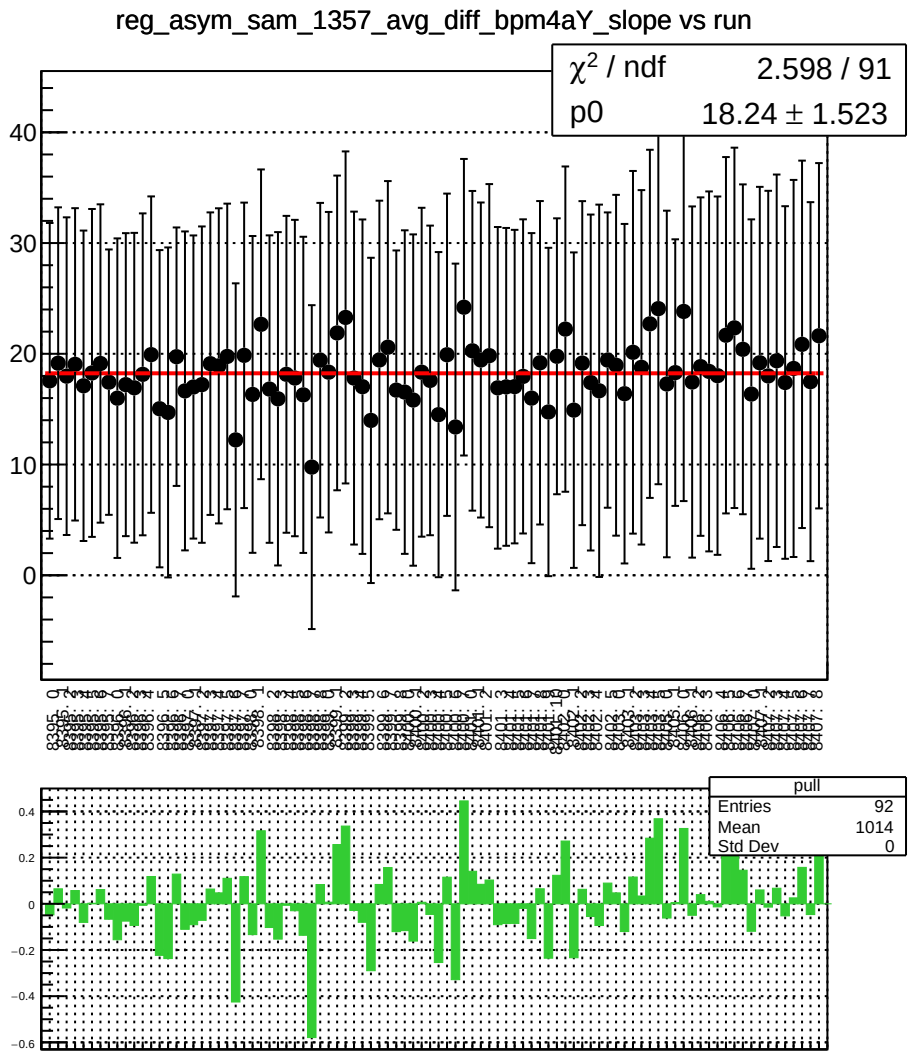

pull1D
Entries 92
Mean 0.0001464
Std Dev 0.4271

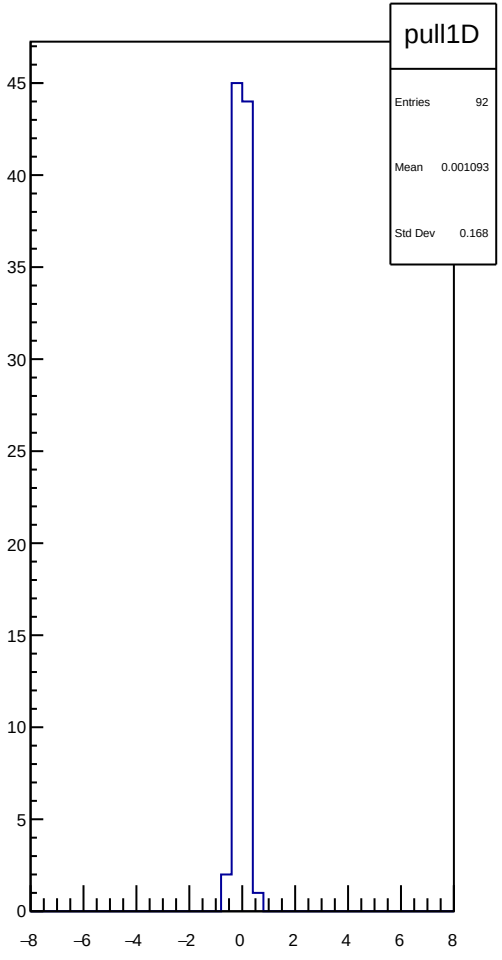

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.07 / 91
p0 −0.2958 ± 0.02304
pull
Entries 92
Mean 2013
Std Dev 0

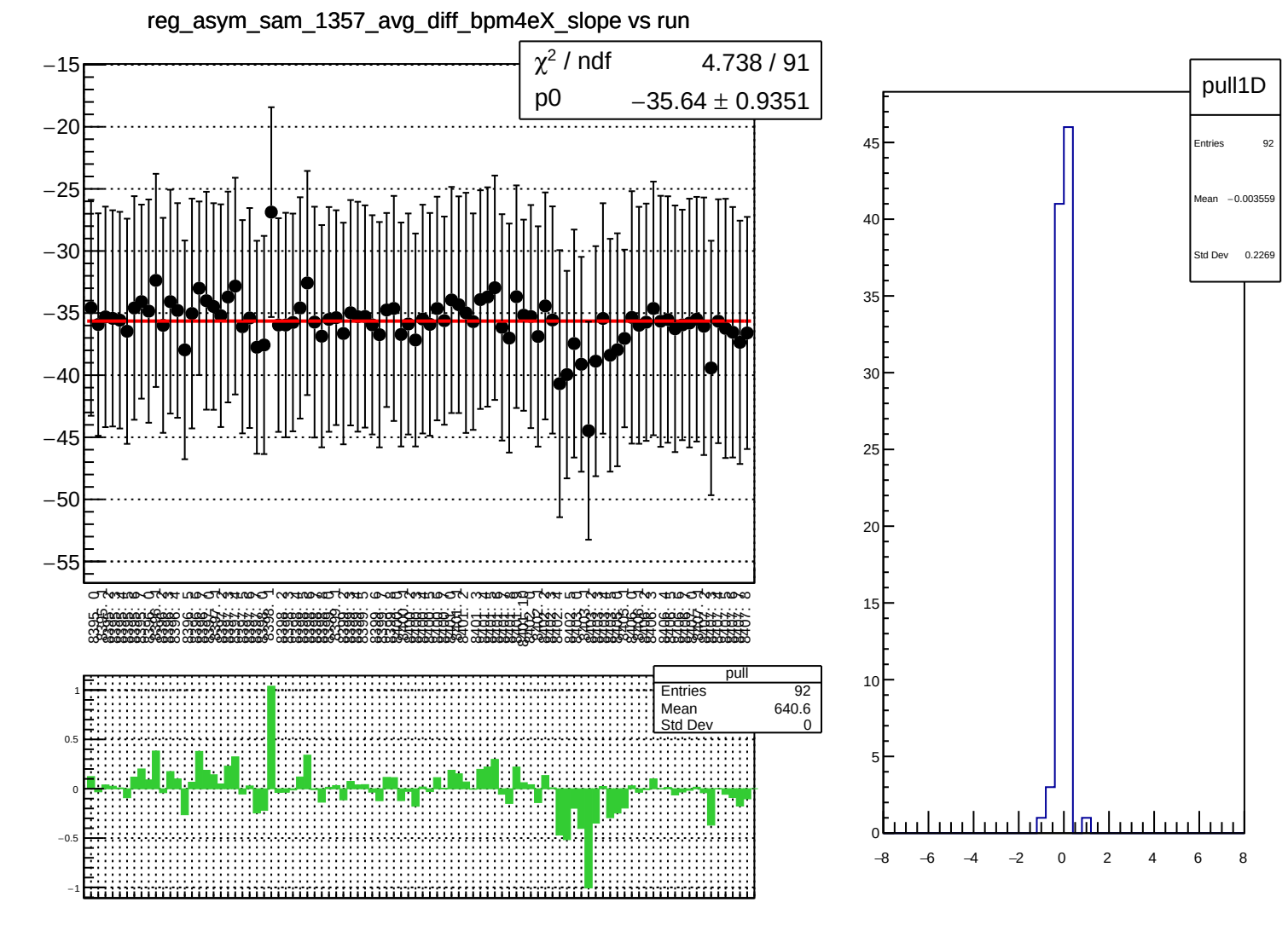

pull1D
Entries 92
Mean −0.0006997
Std Dev 0.3309

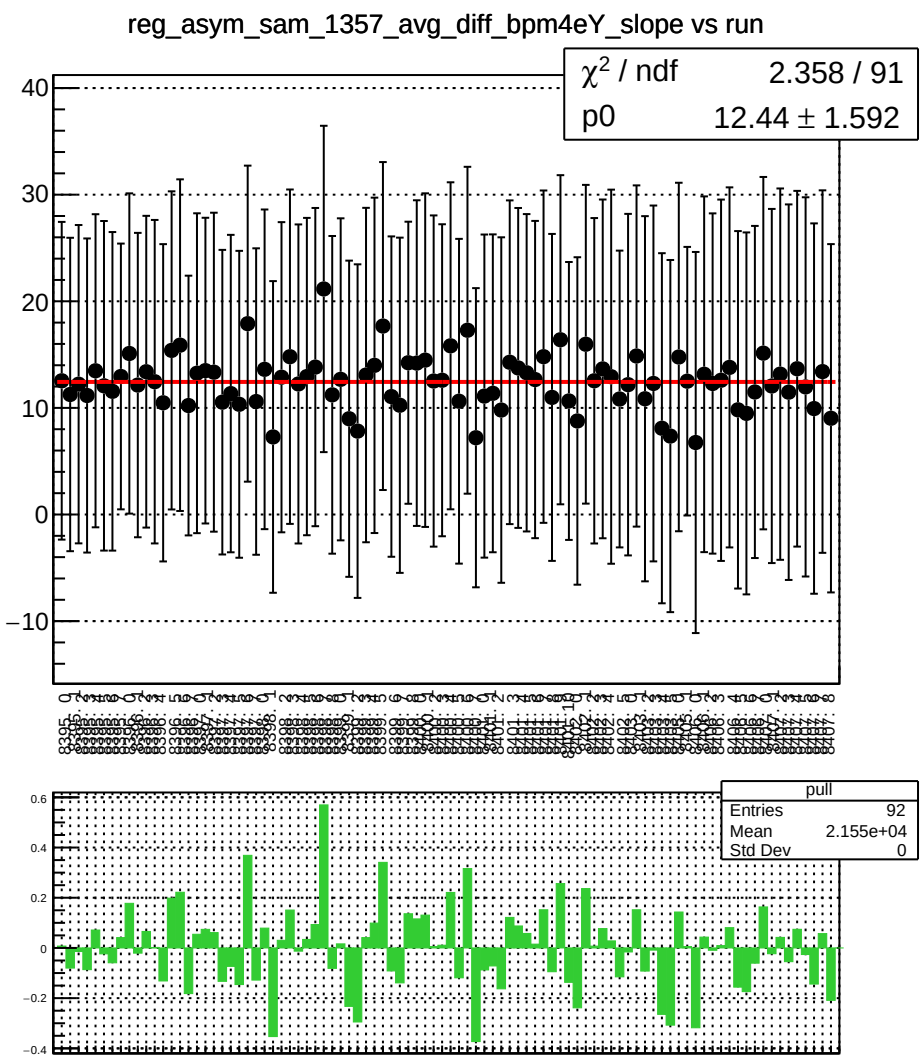

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 4.283 / 91
p0 −4.036 ± 0.8371
pull
Entries 92
Mean 2516
Std Dev 0

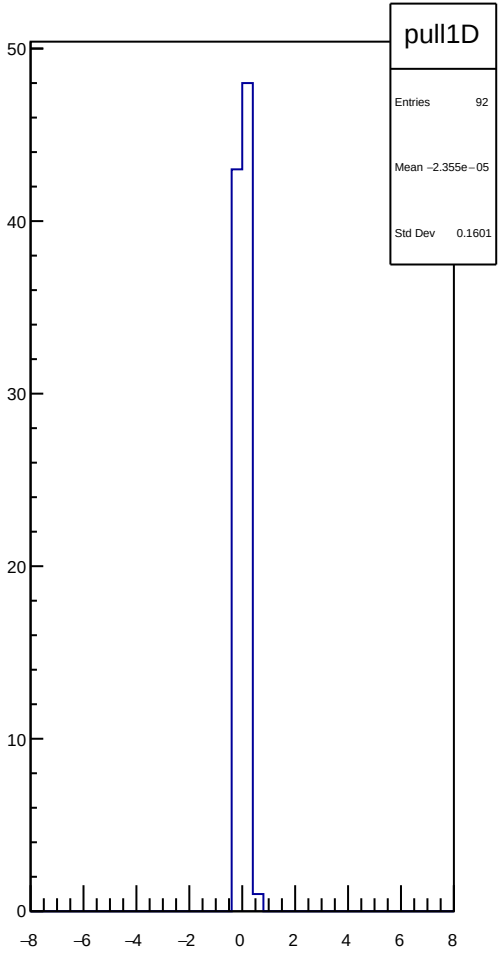

pull1D
Entries 92
Mean 0.0005944
Std Dev 0.2158

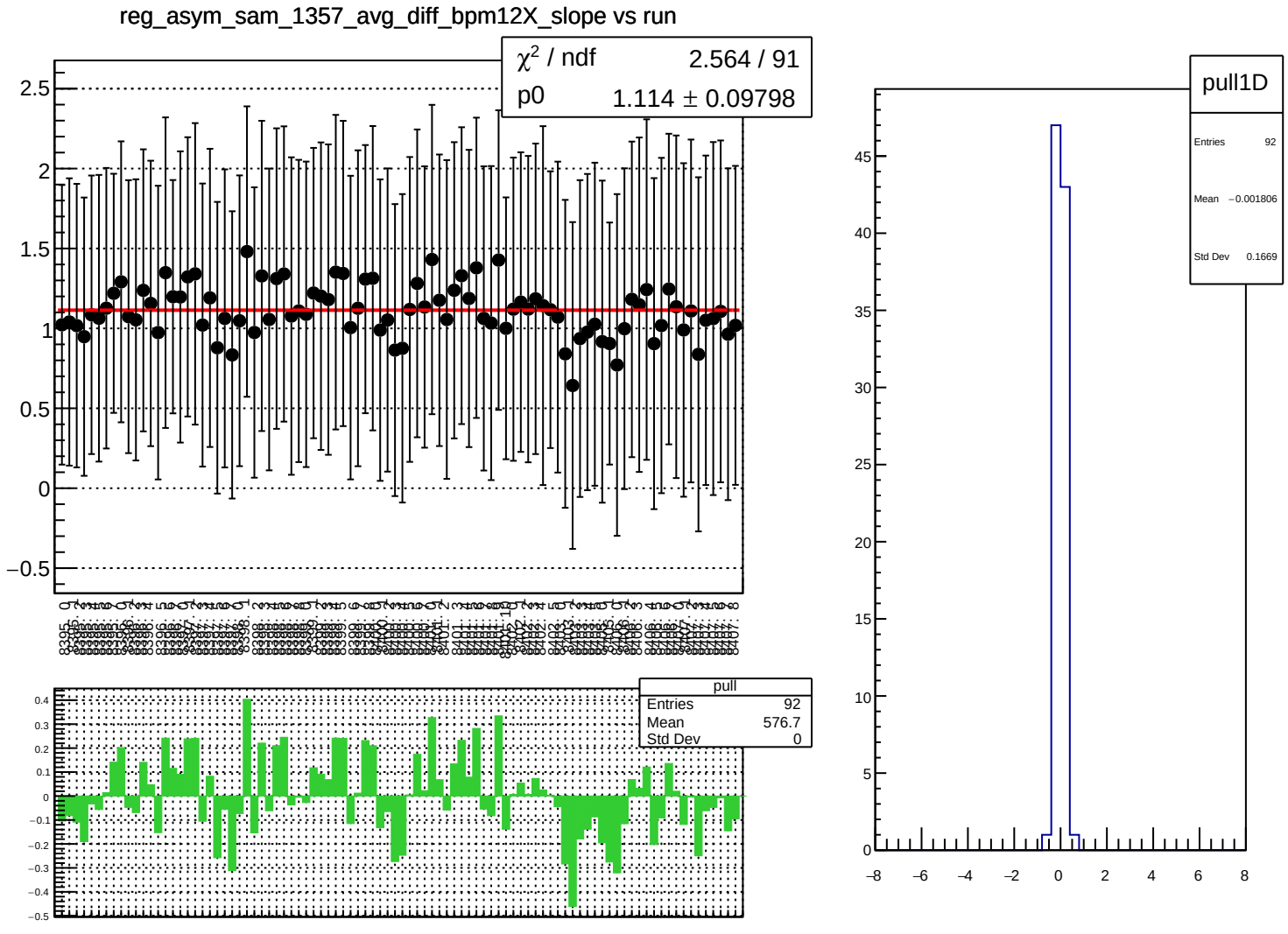

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.598 / 91
p0 18.24 ± 1.523
pull
Entries 92
Mean 1014
Std Dev 0

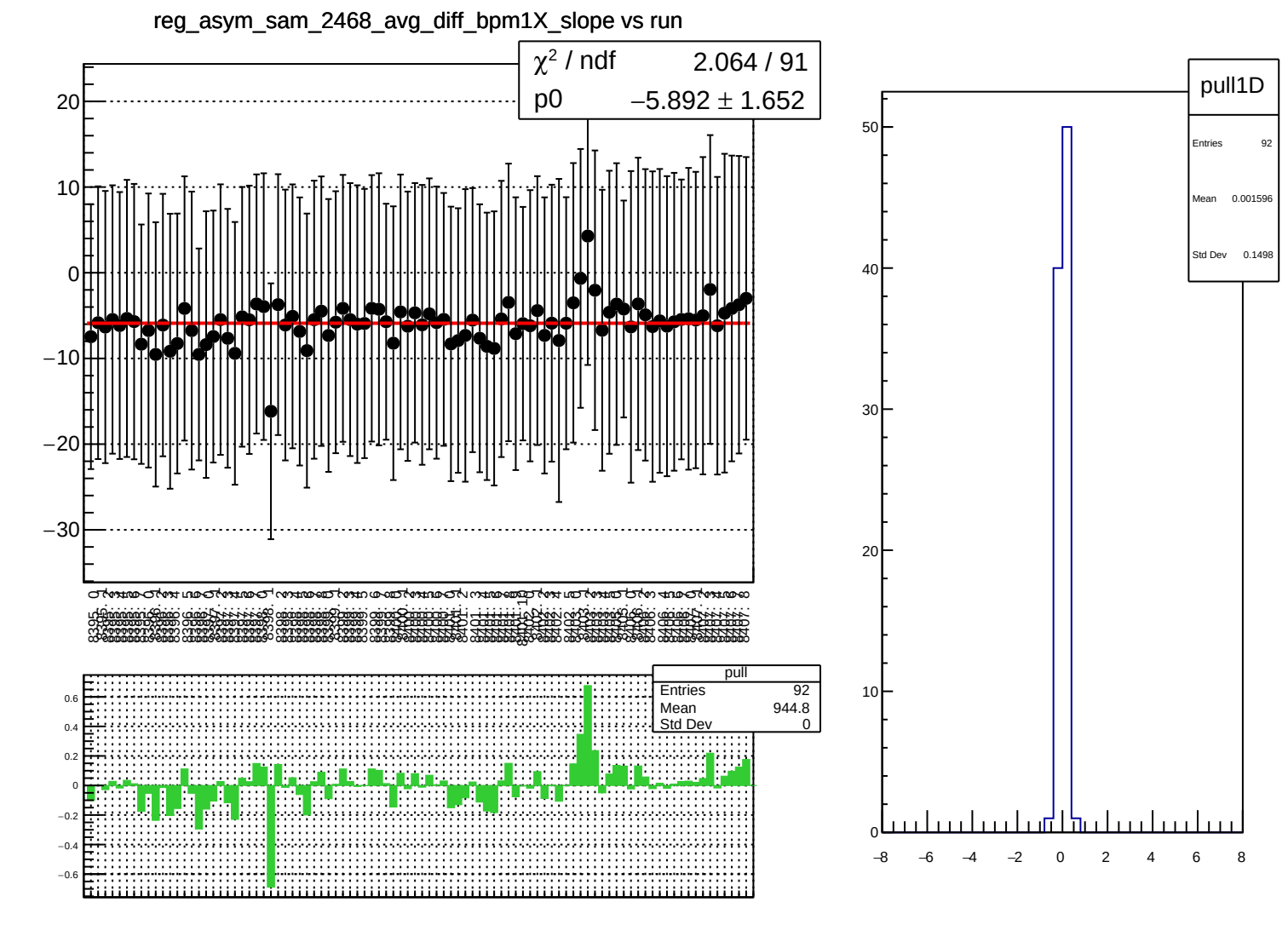

pull1D
Entries 92
Mean 0.001093
Std Dev 0.168

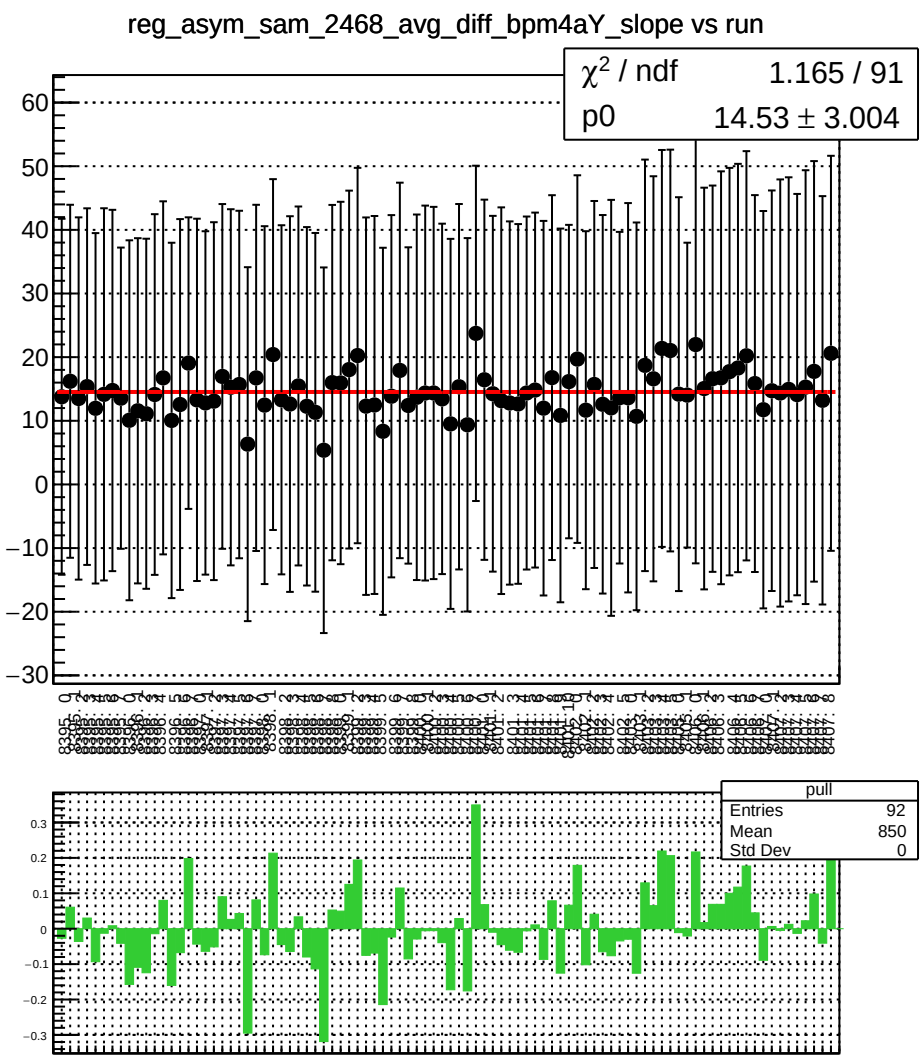

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.738 / 91
p0 −35.64 ± 0.9351
pull
Entries 92
Mean 640.6
Std Dev 0
pull1D
Entries 92
Mean −0.003559
Std Dev 0.2269

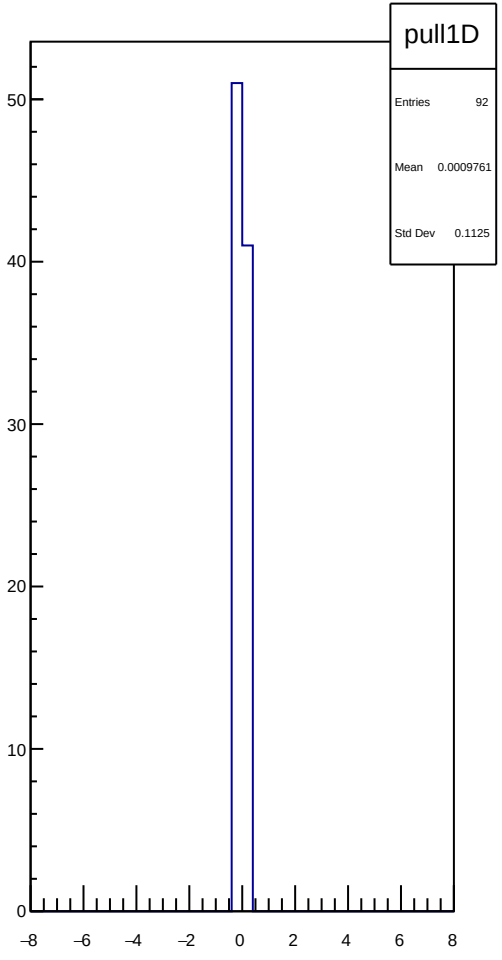

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.358 / 91
p0 12.44 ± 1.592
pull
Entries 92
Mean 2.155e+04
Std Dev 0

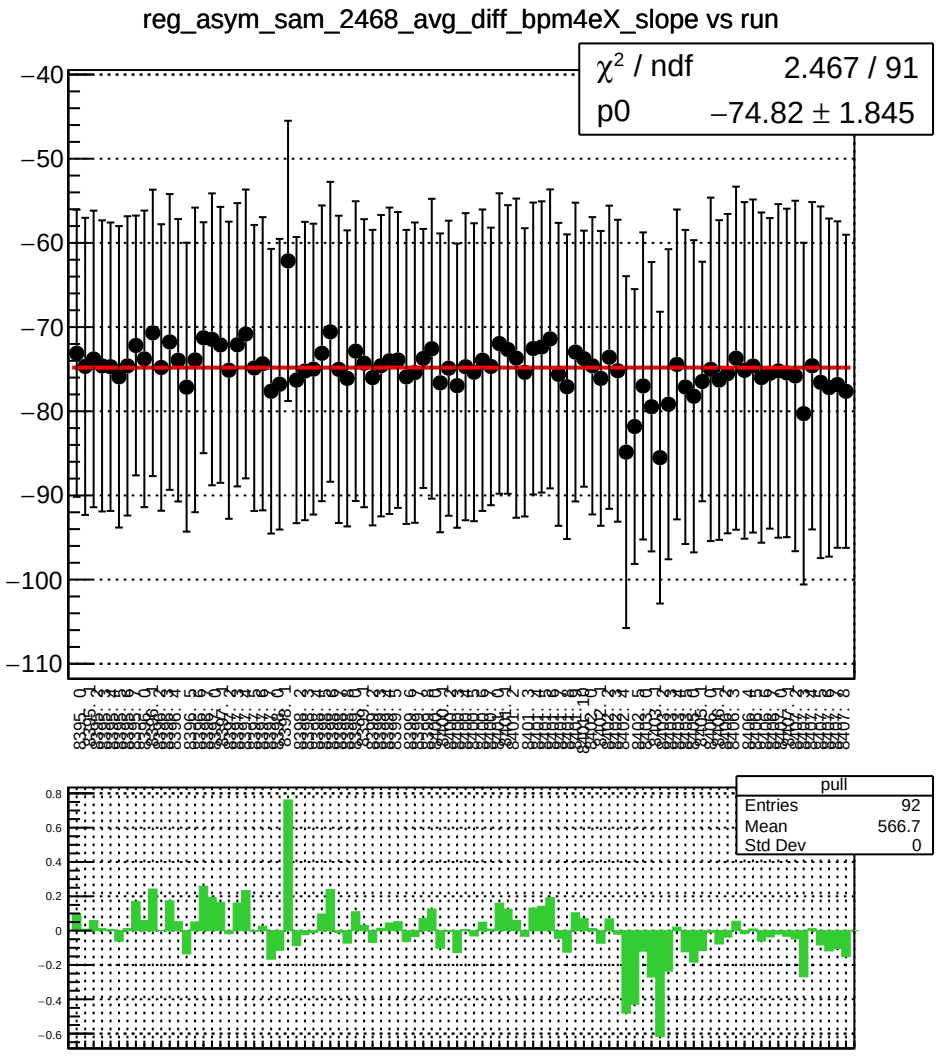

pull1D
Entries 92
Mean −2.355e−05
Std Dev 0.1601

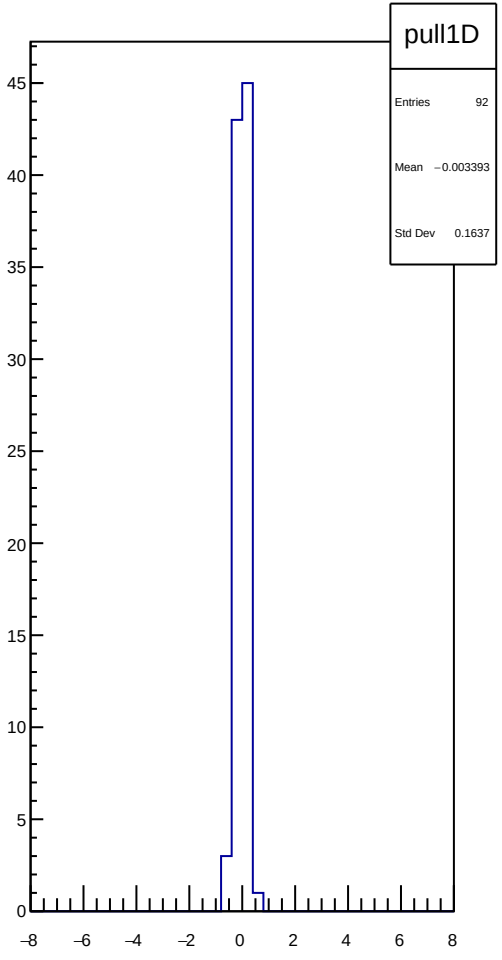

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.564 / 91
p0 1.114 ± 0.09798
pull
Entries 92
Mean 576.7
Std Dev 0
pull1D
Entries 92
Mean −0.001806
Std Dev 0.1669

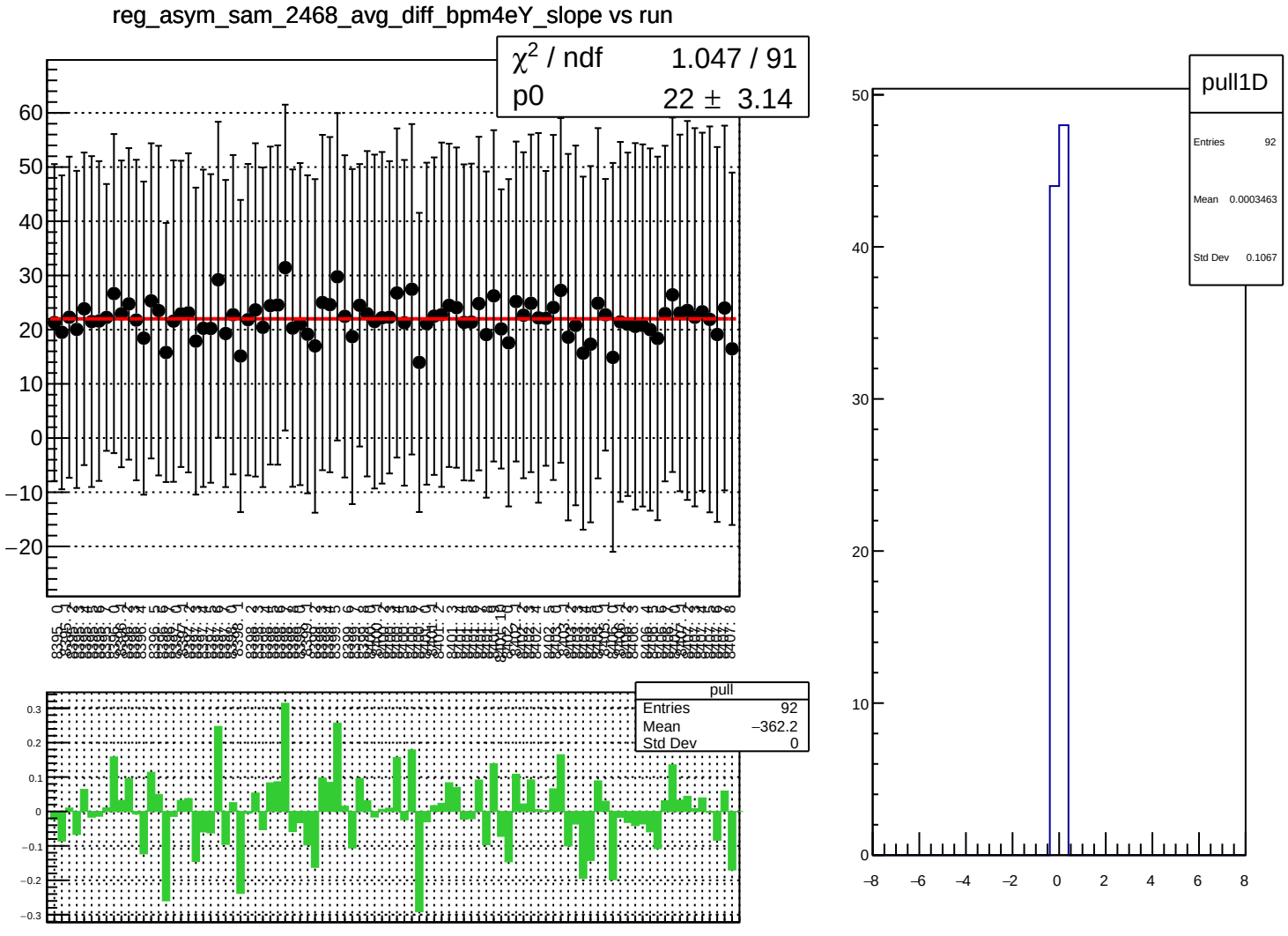

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 2.064 / 91
p0 −5.892 ± 1.652
pull
Entries 92
Mean 944.8
Std Dev 0
pull1D
Entries 92
Mean 0.001596
Std Dev 0.1498

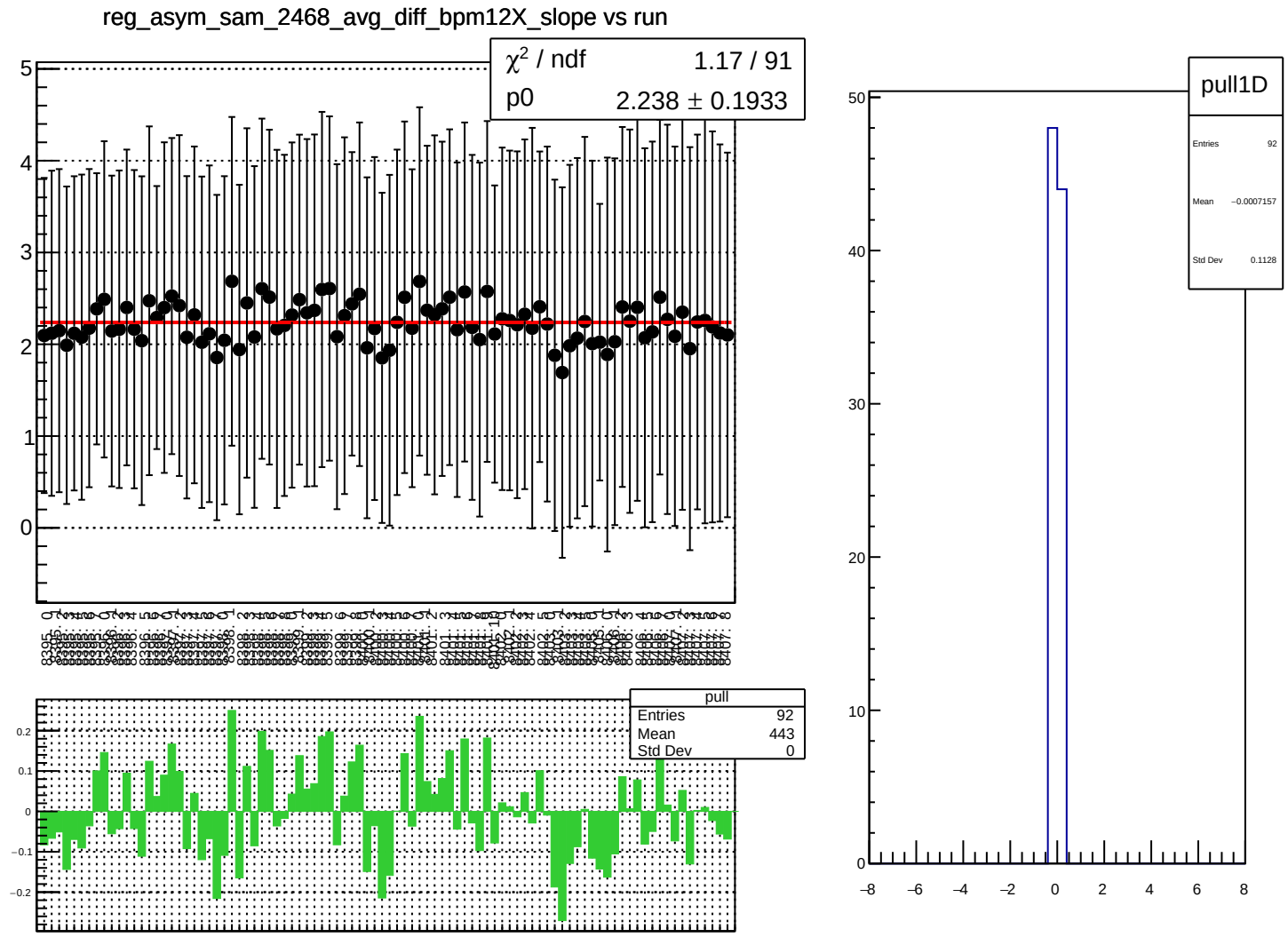

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.165 / 91
p0 14.53 ± 3.004
pull
Entries 92
Mean 850
Std Dev 0

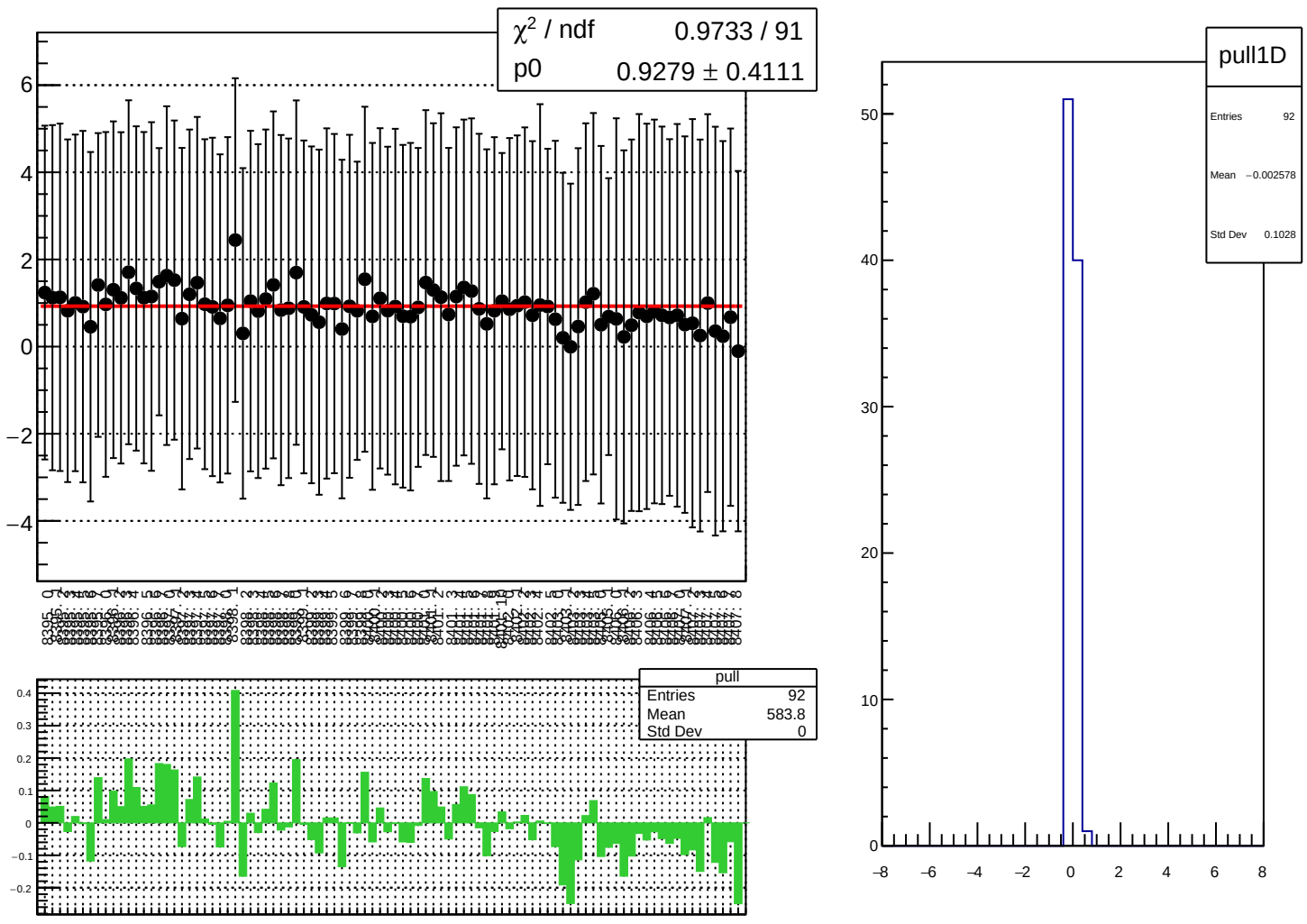

pull1D
Entries 92
Mean 0.0009761
Std Dev 0.1125

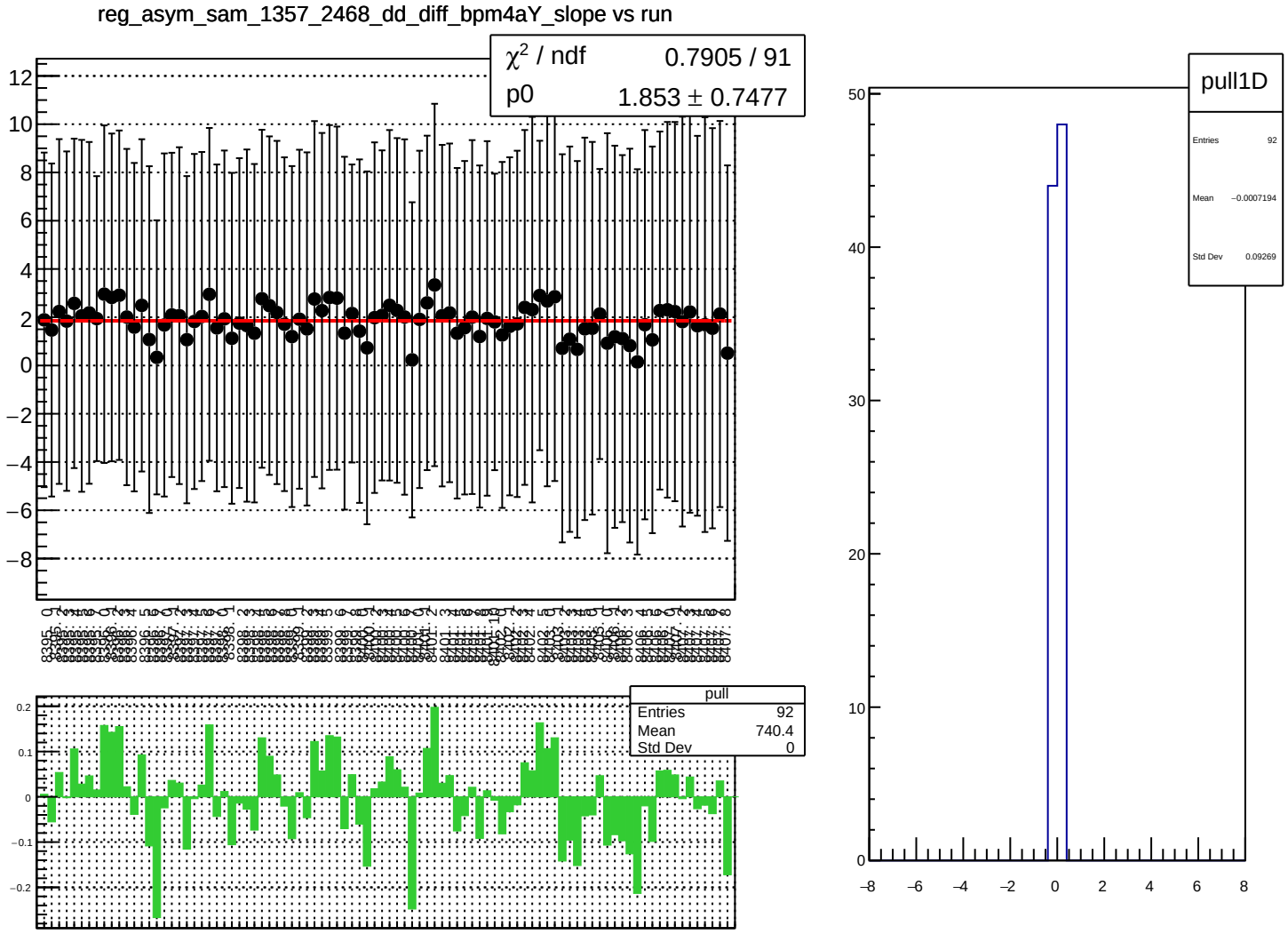

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.467 / 91
p0 −74.82 ± 1.845
pull
Entries 92
Mean 566.7
Std Dev 0

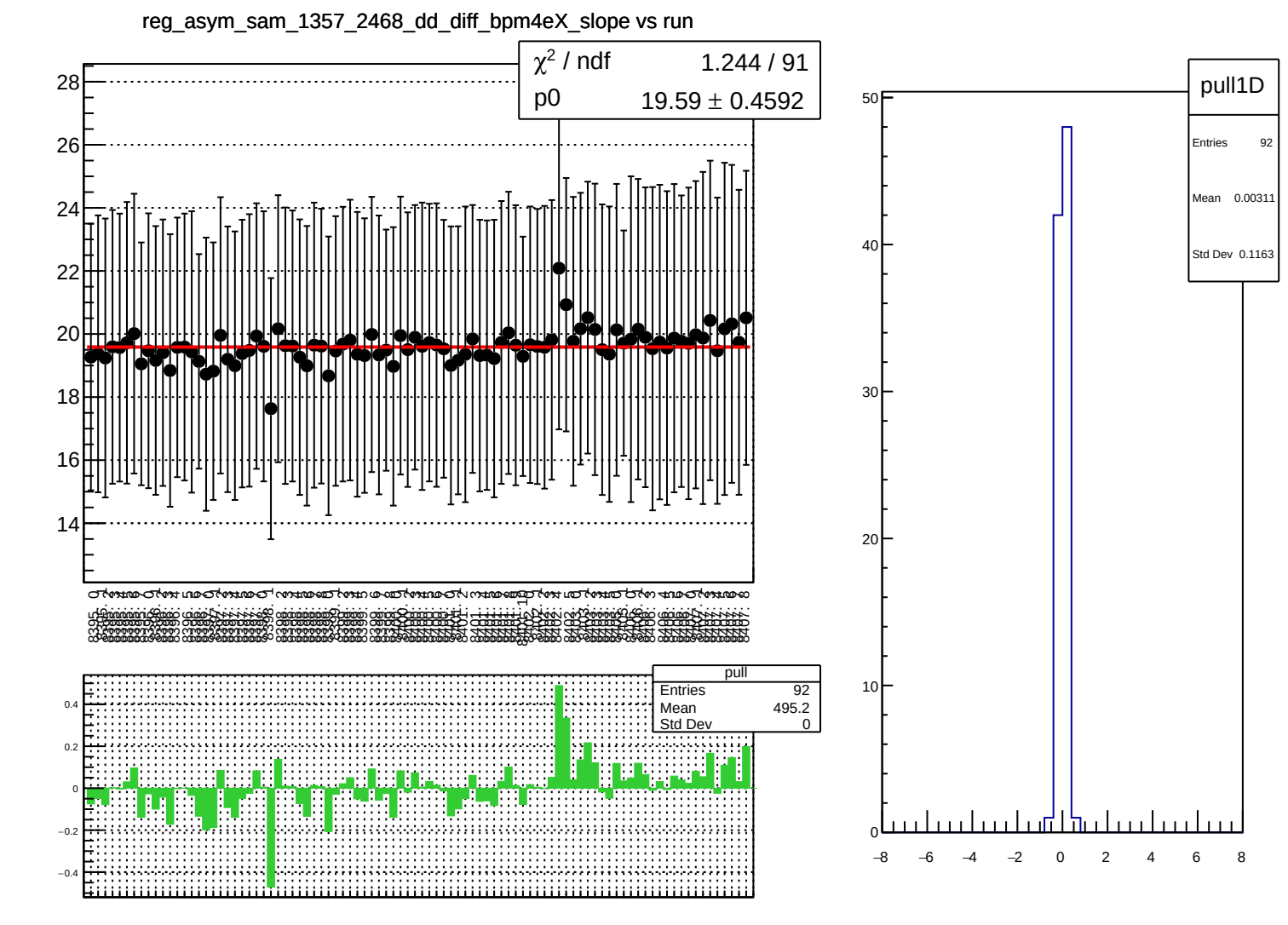

pull1D
Entries 92
Mean −0.003393
Std Dev 0.1637

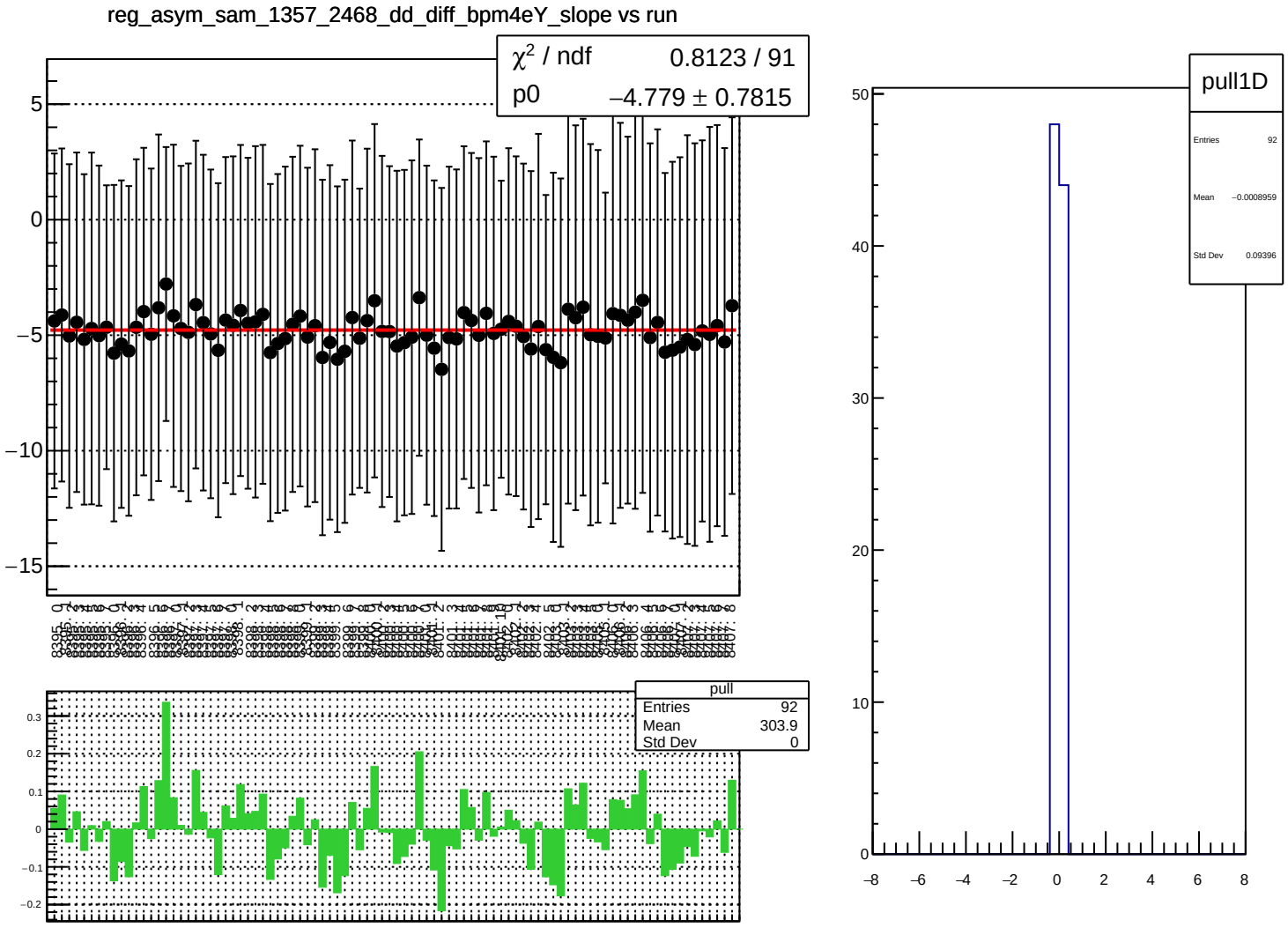

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.047 / 91
p0 22 ± 3.14
pull
Entries 92
Mean −362.2
Std Dev 0
pull1D
Entries 92
Mean 0.0003463
Std Dev 0.1067

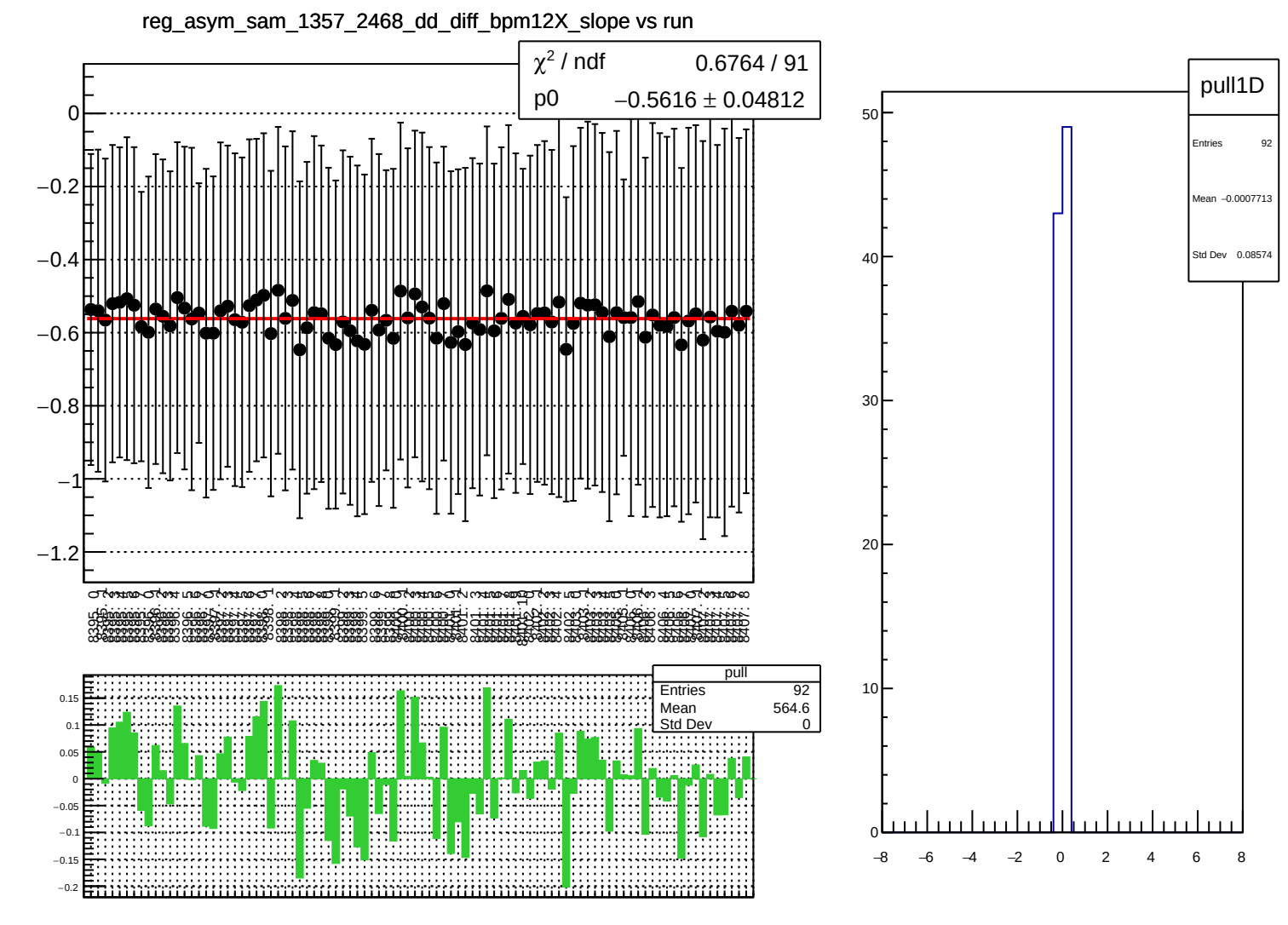

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.17 / 91
p0 2.238 ± 0.1933
pull
Entries 92
Mean 443
Std Dev 0
pull1D
Entries 92
Mean −0.0007157
Std Dev 0.1128

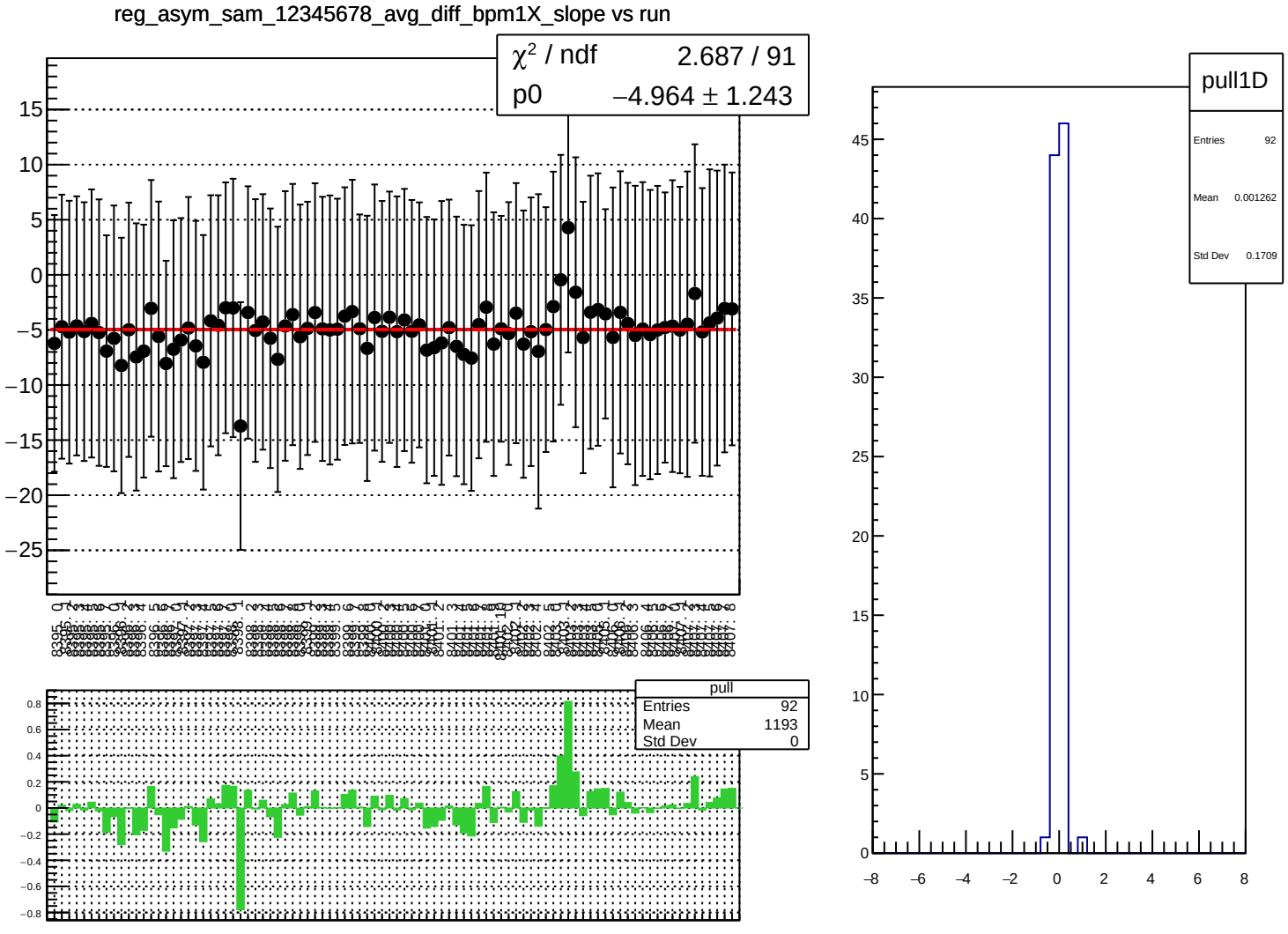

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 0.9733 / 91
p0 0.9279 ± 0.4111
pull
Entries 92
Mean 583.8
Std Dev 0
pull1D
Entries 92
Mean −0.002578
Std Dev 0.1028

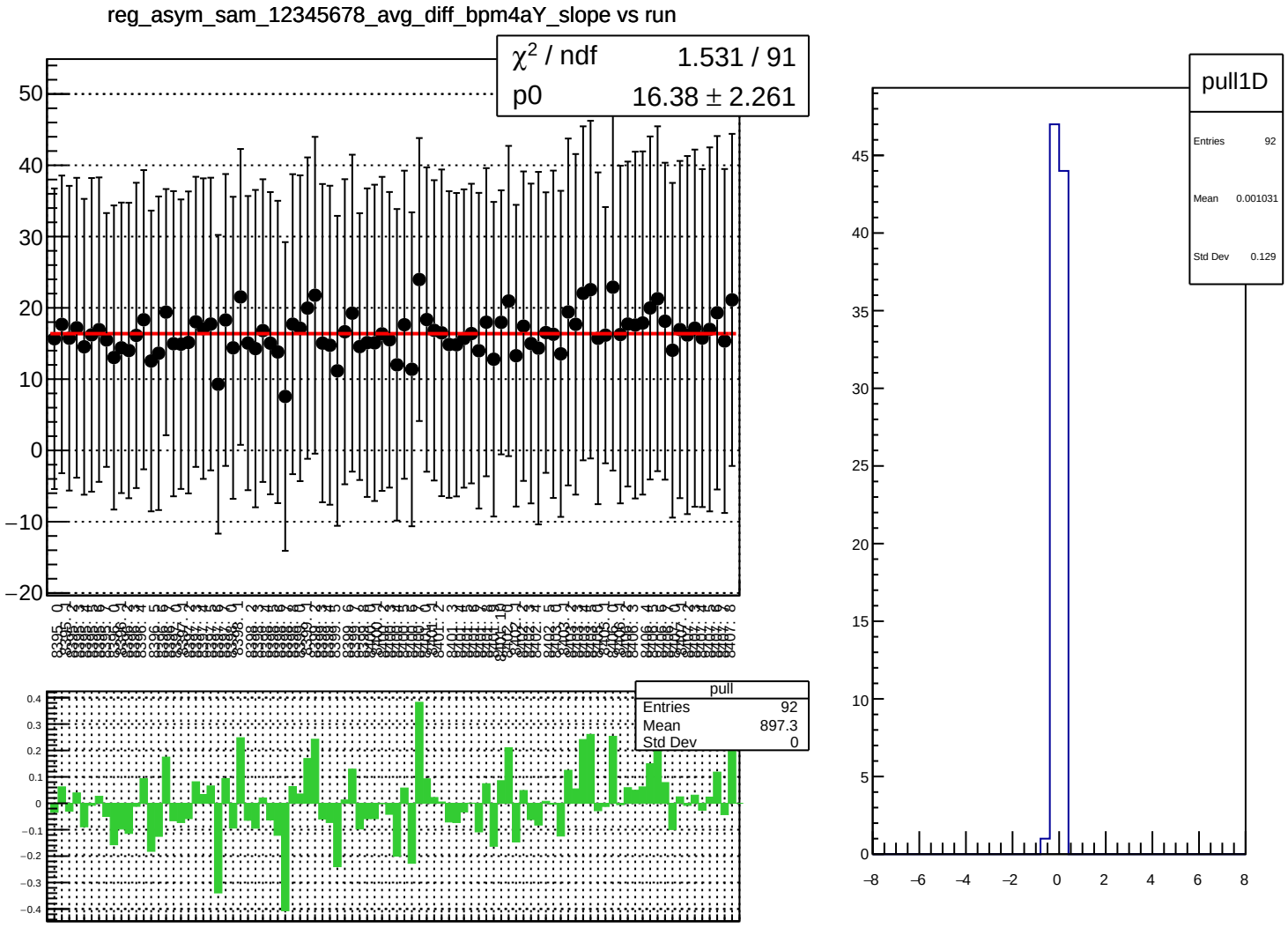

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7905 / 91
p0 1.853 ± 0.7477
pull
Entries 92
Mean 740.4
Std Dev 0
pull1D
Entries 92
Mean −0.0007194
Std Dev 0.09269

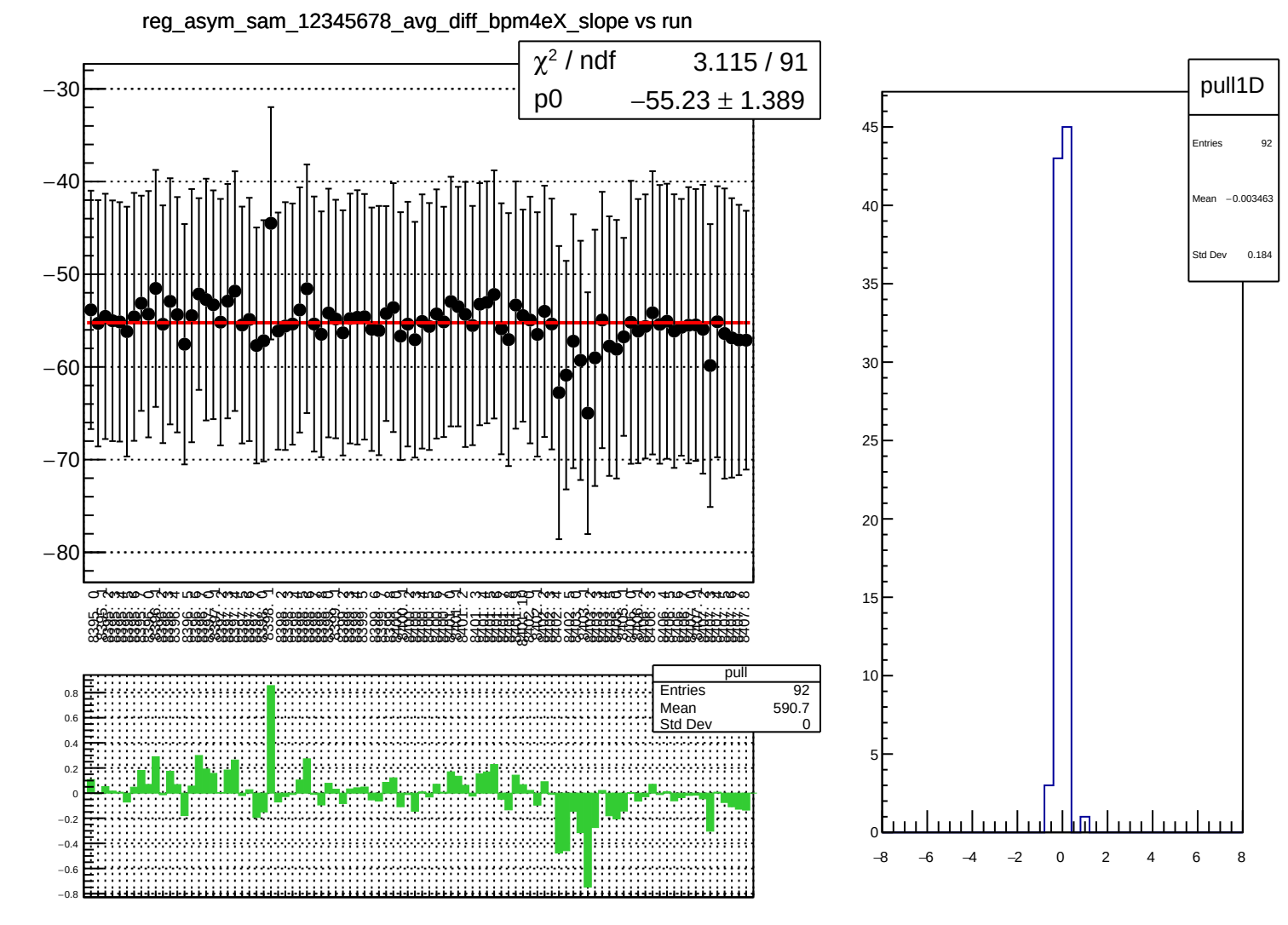

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.244 / 91
p0 19.59 ± 0.4592
pull
Entries 92
Mean 495.2
Std Dev 0
pull1D
Entries 92
Mean 0.00311
Std Dev 0.1163

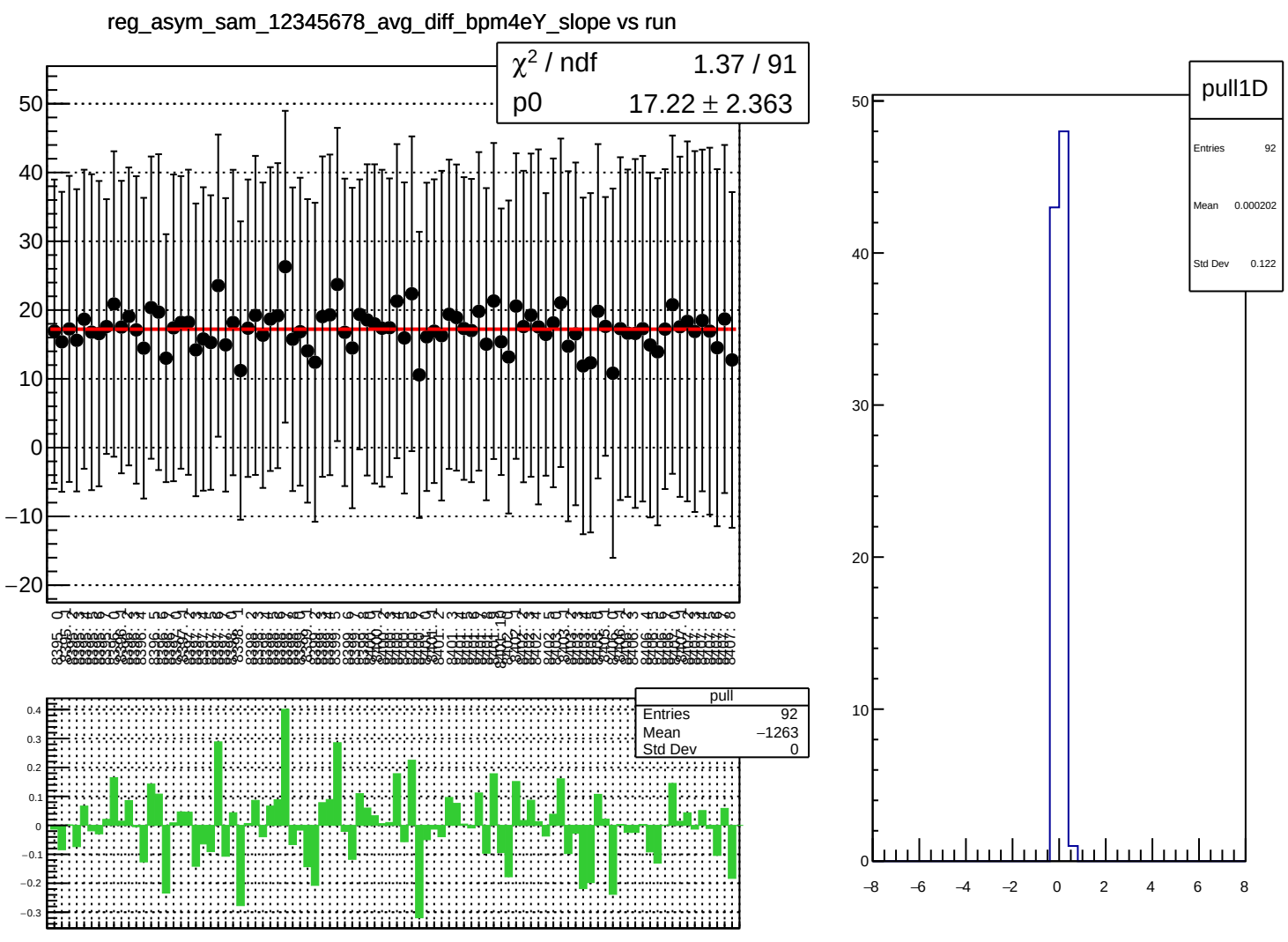

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.8123 / 91
p0 −4.779 ± 0.7815
pull
Entries 92
Mean 303.9
Std Dev 0
pull1D
Entries 92
Mean −0.0008959
Std Dev 0.09396

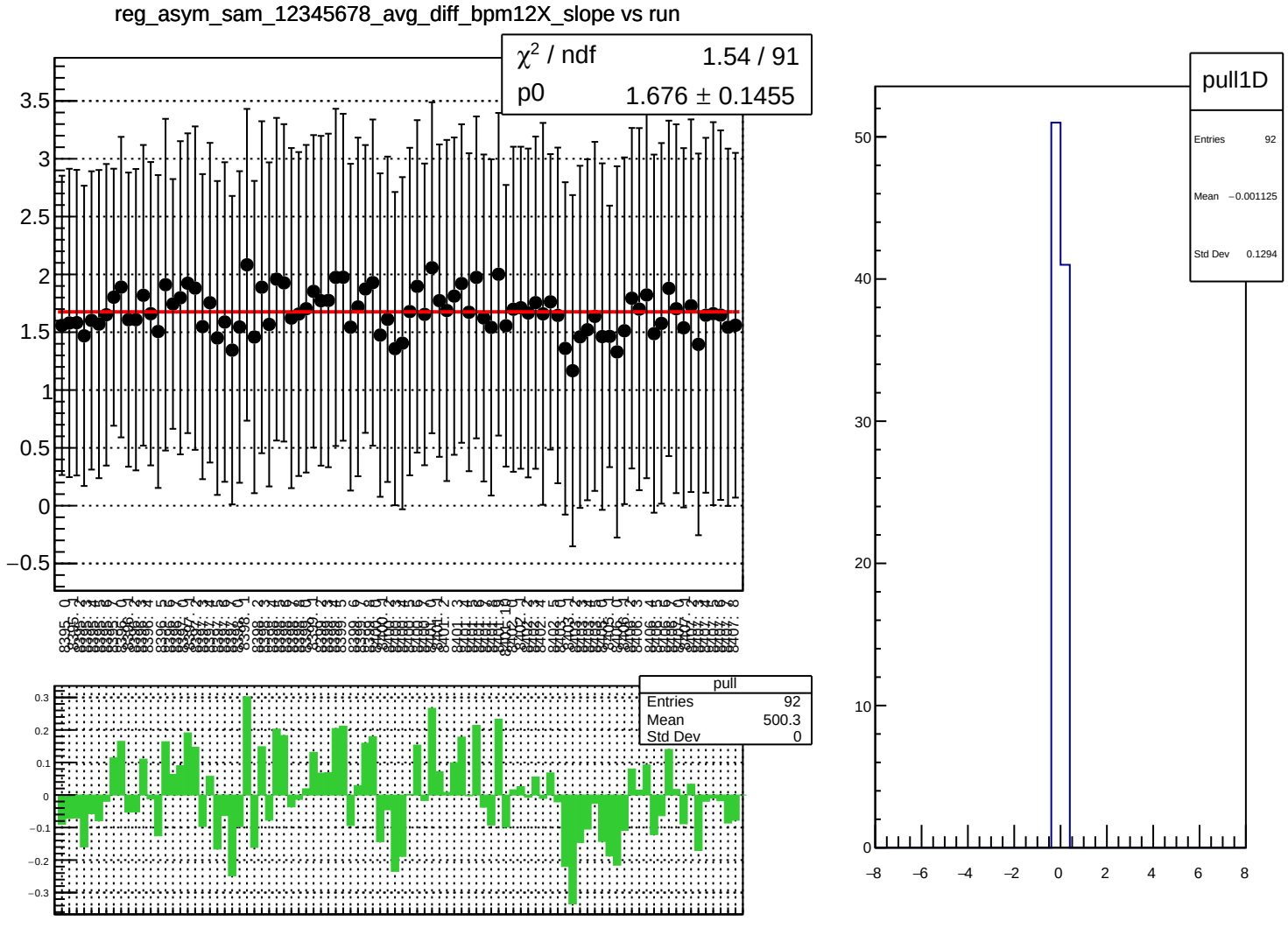

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6764 / 91
p0 −0.5616 ± 0.04812
pull
Entries 92
Mean 564.6
Std Dev 0
pull1D
Entries 92
Mean −0.0007713
Std Dev 0.08574

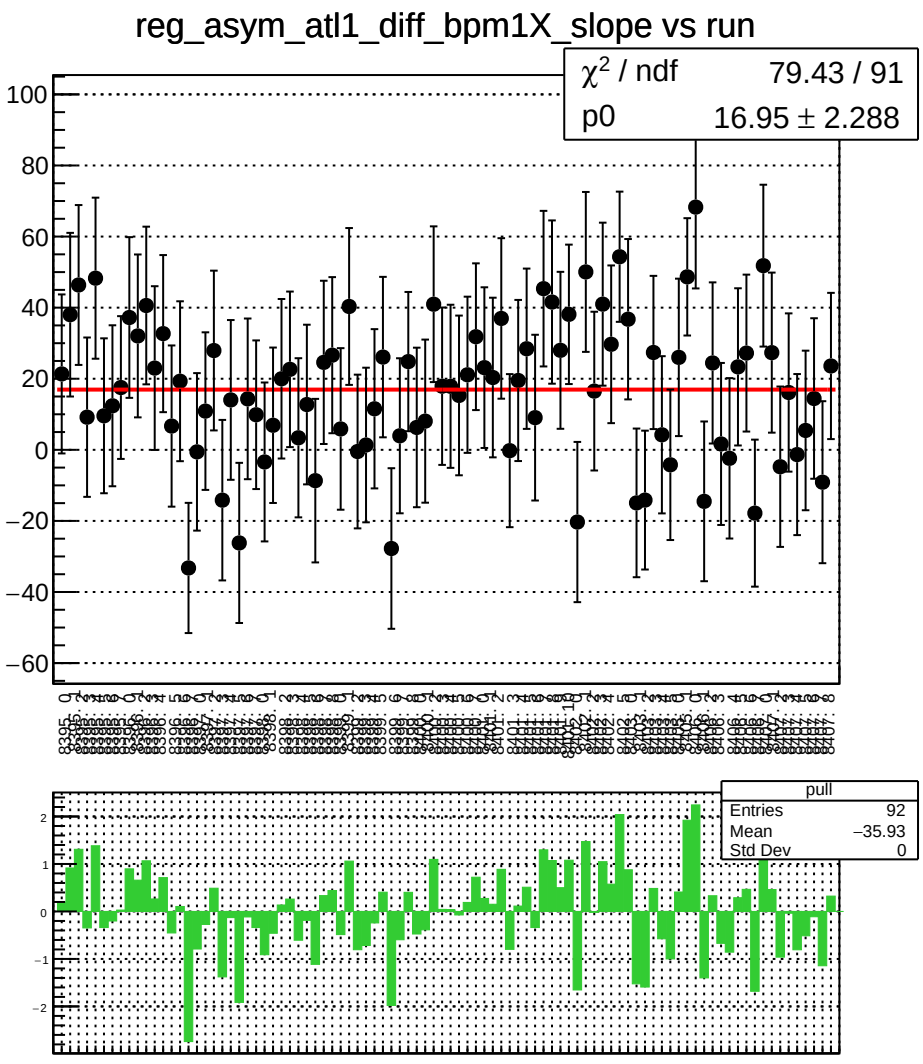

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 2.687 / 91
p0 −4.964 ± 1.243
pull
Entries 92
Mean 1193
Std Dev 0
pull1D
Entries 92
Mean 0.001262
Std Dev 0.1709

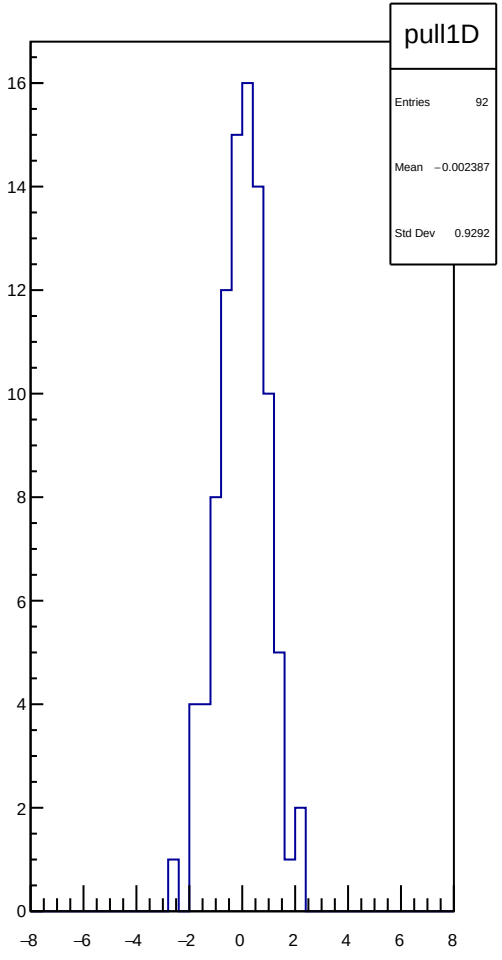

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.531 / 91
p0 16.38 ± 2.261
pull
Entries 92
Mean 897.3
Std Dev 0
pull1D
Entries 92
Mean 0.001031
Std Dev 0.129

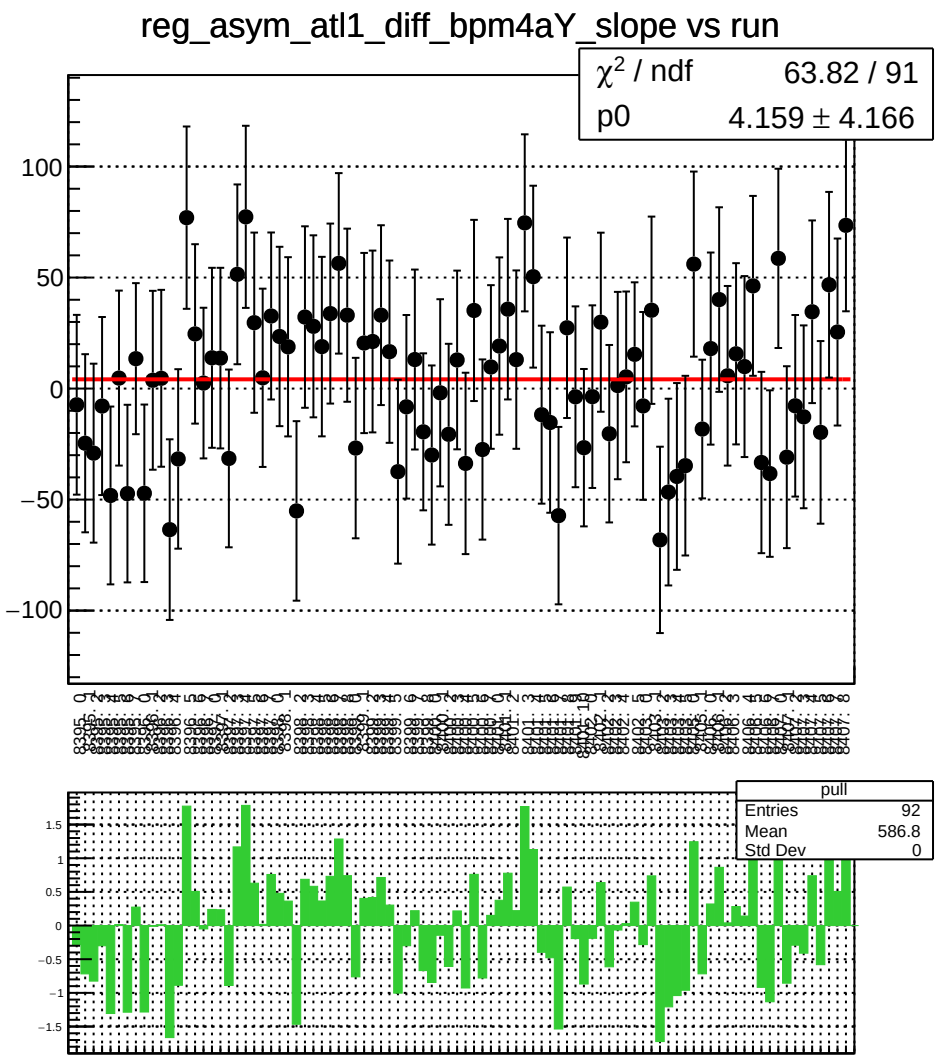

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.115 / 91
p0 −55.23 ± 1.389
pull
Entries 92
Mean 590.7
Std Dev 0
pull1D
Entries 92
Mean −0.003463
Std Dev 0.184

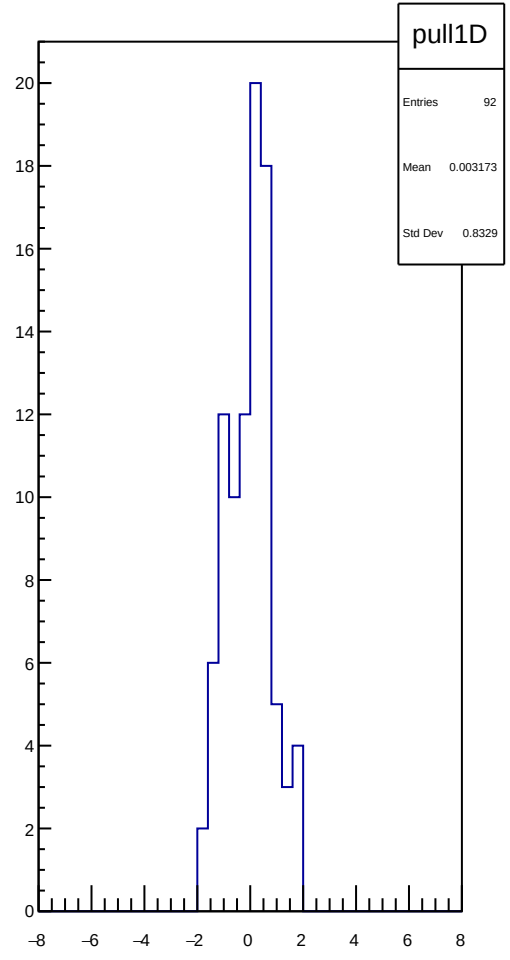

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.37 / 91
p0 17.22 ± 2.363
pull
Entries 92
Mean −1263
Std Dev 0
pull1D
Entries 92
Mean 0.000202
Std Dev 0.122

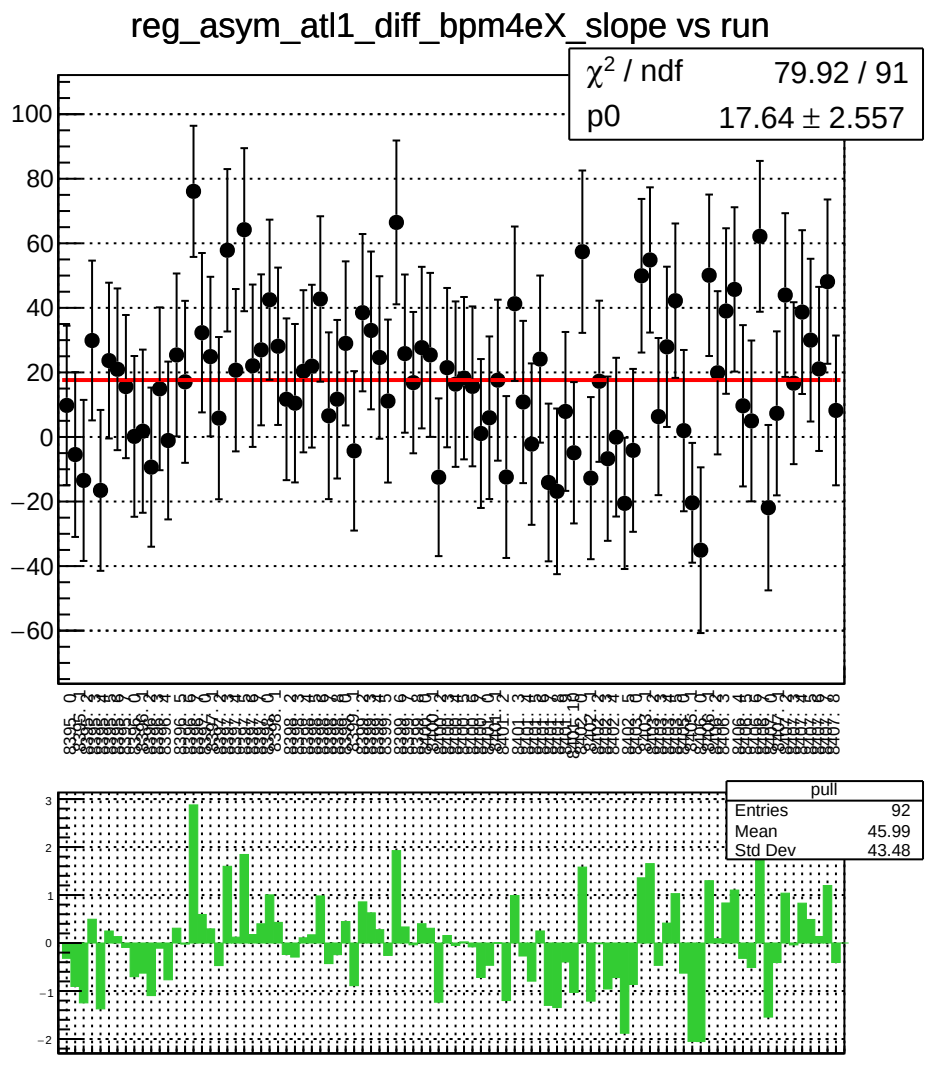

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.54 / 91
p0 1.676 ± 0.1455
pull
Entries 92
Mean 500.3
Std Dev 0
pull1D
Entries 92
Mean −0.001125
Std Dev 0.1294

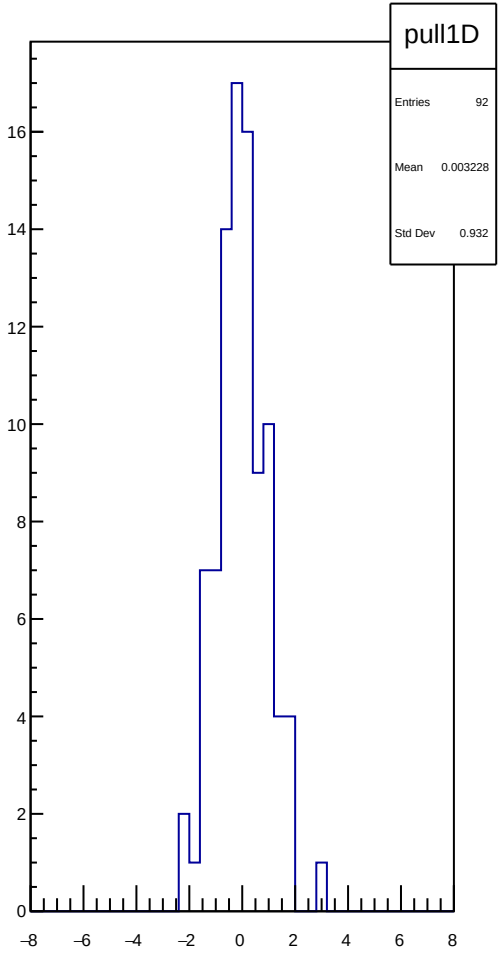

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 79.43 / 91
p0 16.95 ± 2.288
pull
Entries 92
Mean −35.93
Std Dev 0

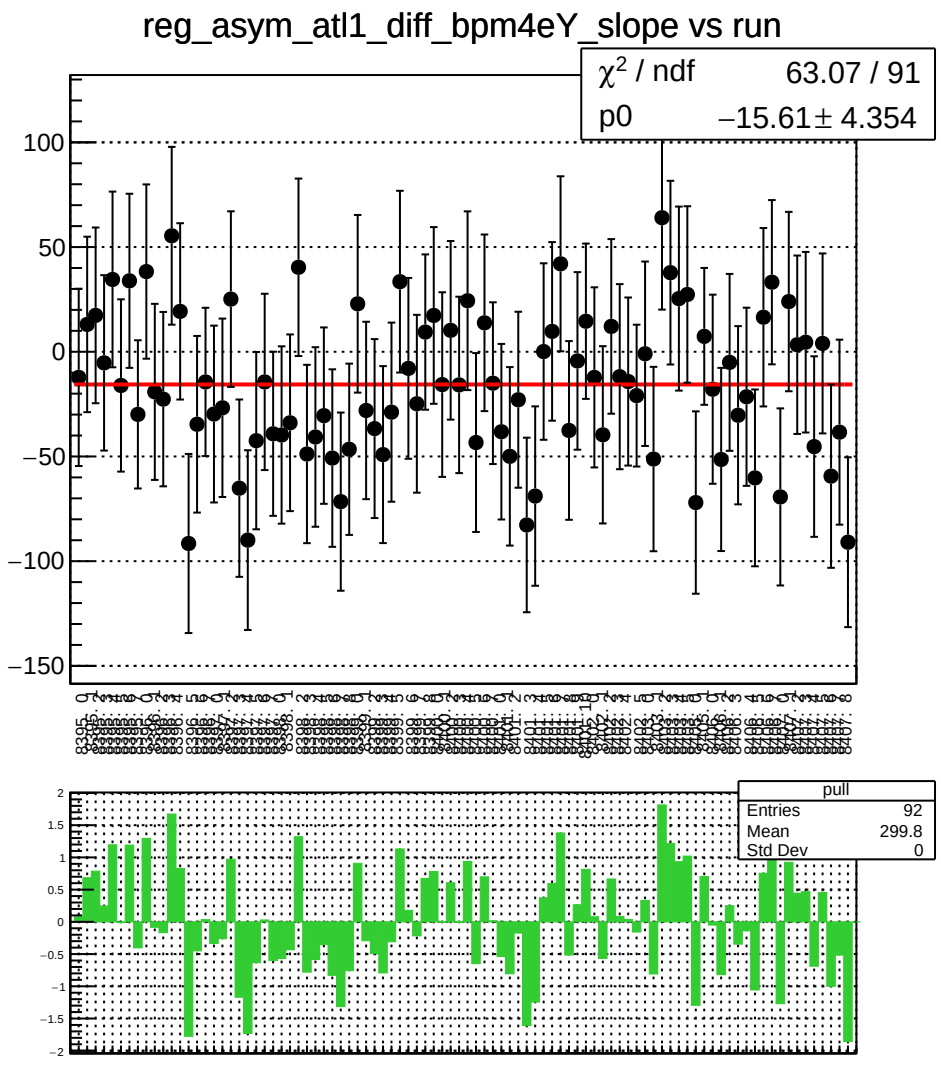

pull1D
Entries 92
Mean −0.002387
Std Dev 0.9292

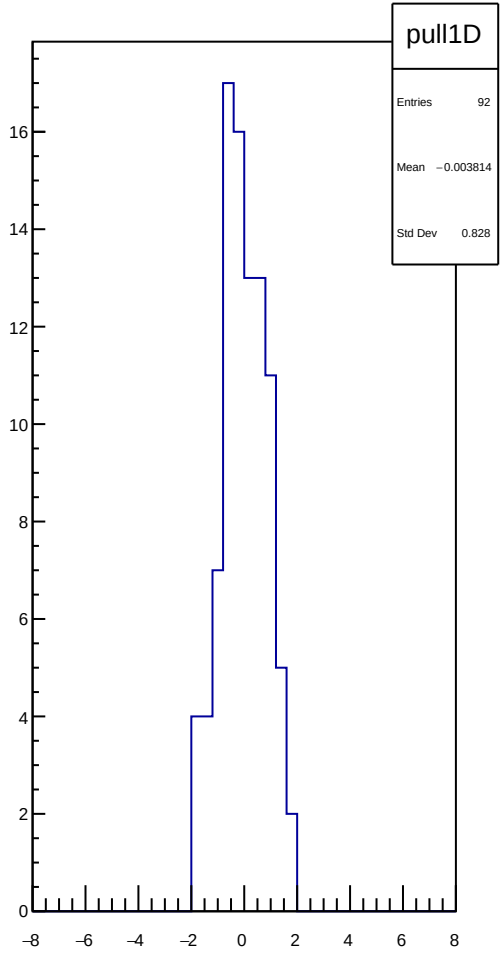

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 63.82 / 91
p0 4.159 ± 4.166
100
50
0
−50
−100
pull
Entries 92
Mean 586.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

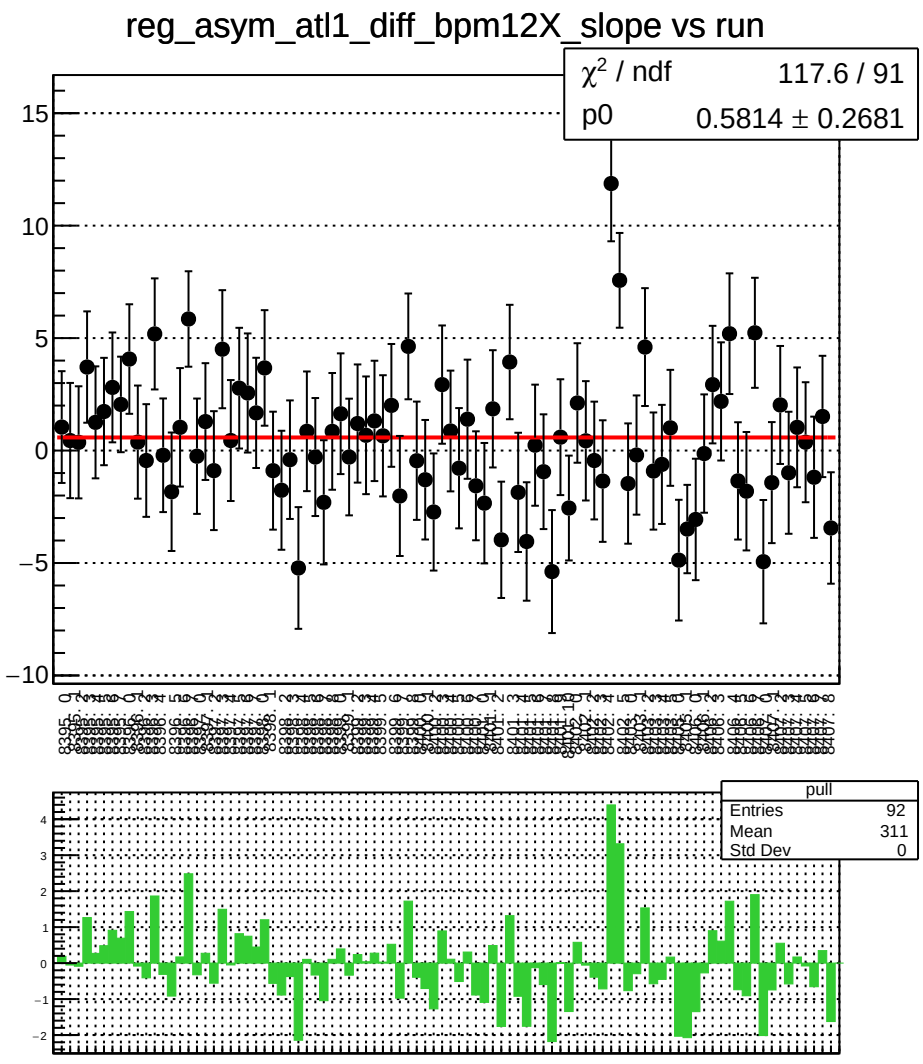

pull1D
Entries 92
Mean 0.003173
Std Dev 0.8329
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

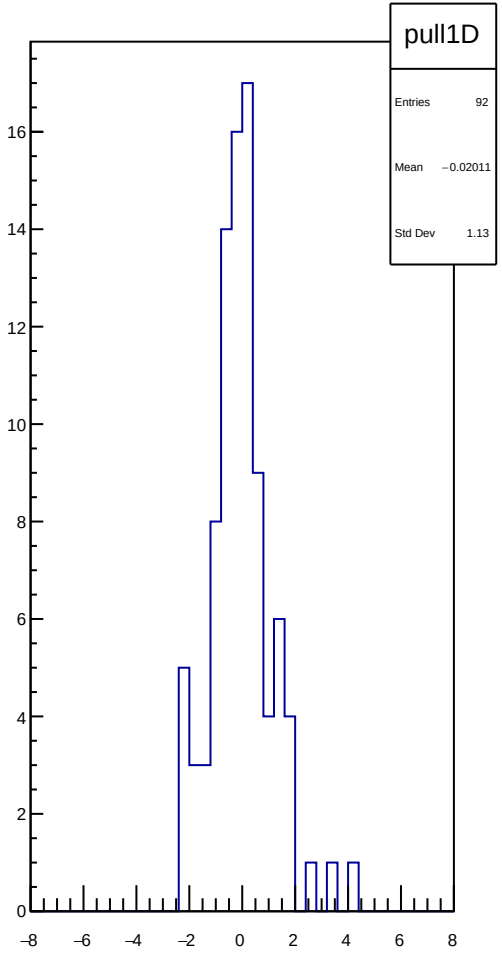

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 79.92 / 91
p0 17.64 ± 2.557
pull
Entries 92
Mean 45.99
Std Dev 43.48

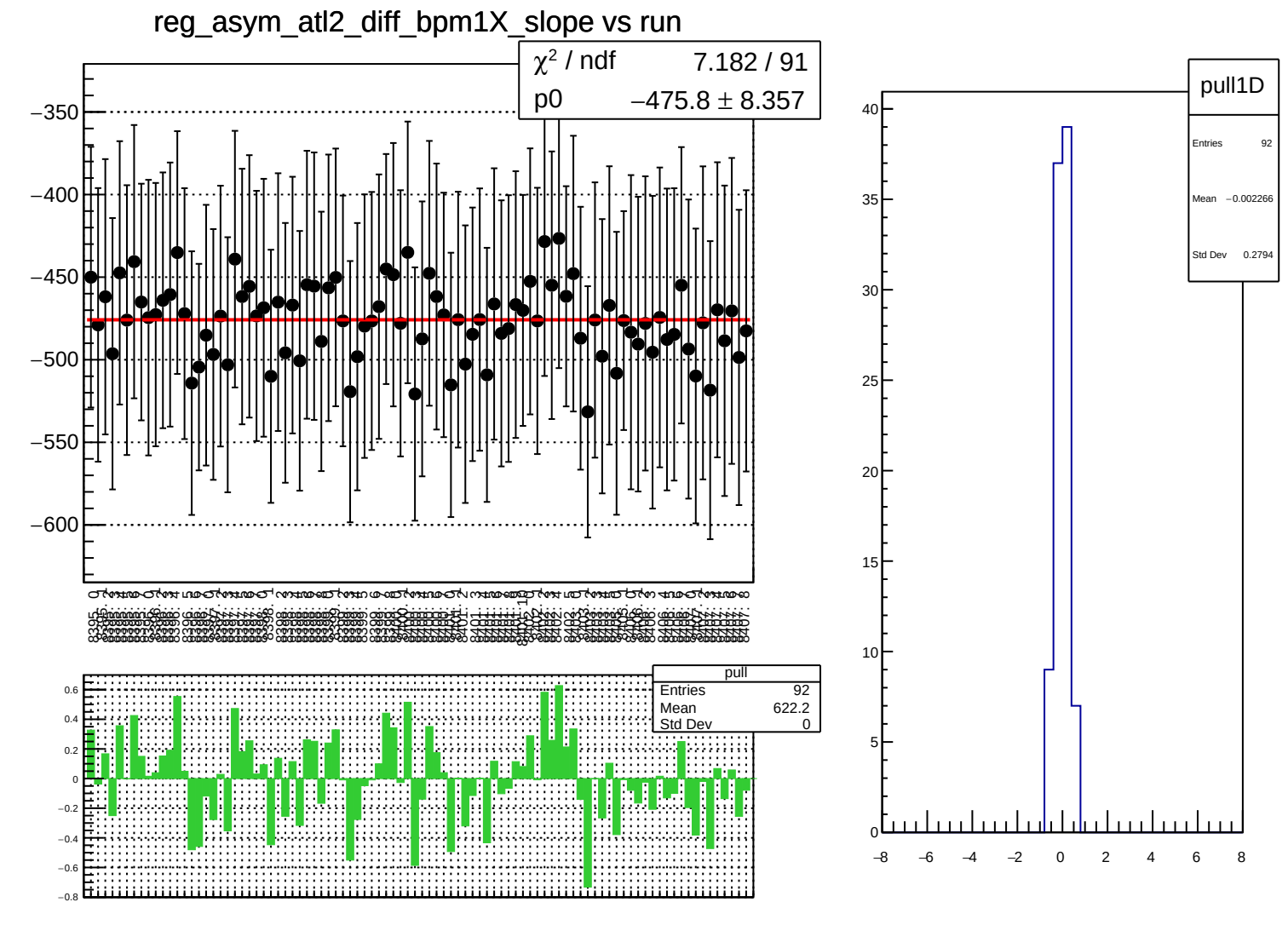

pull1D
Entries 92
Mean 0.003228
Std Dev 0.932

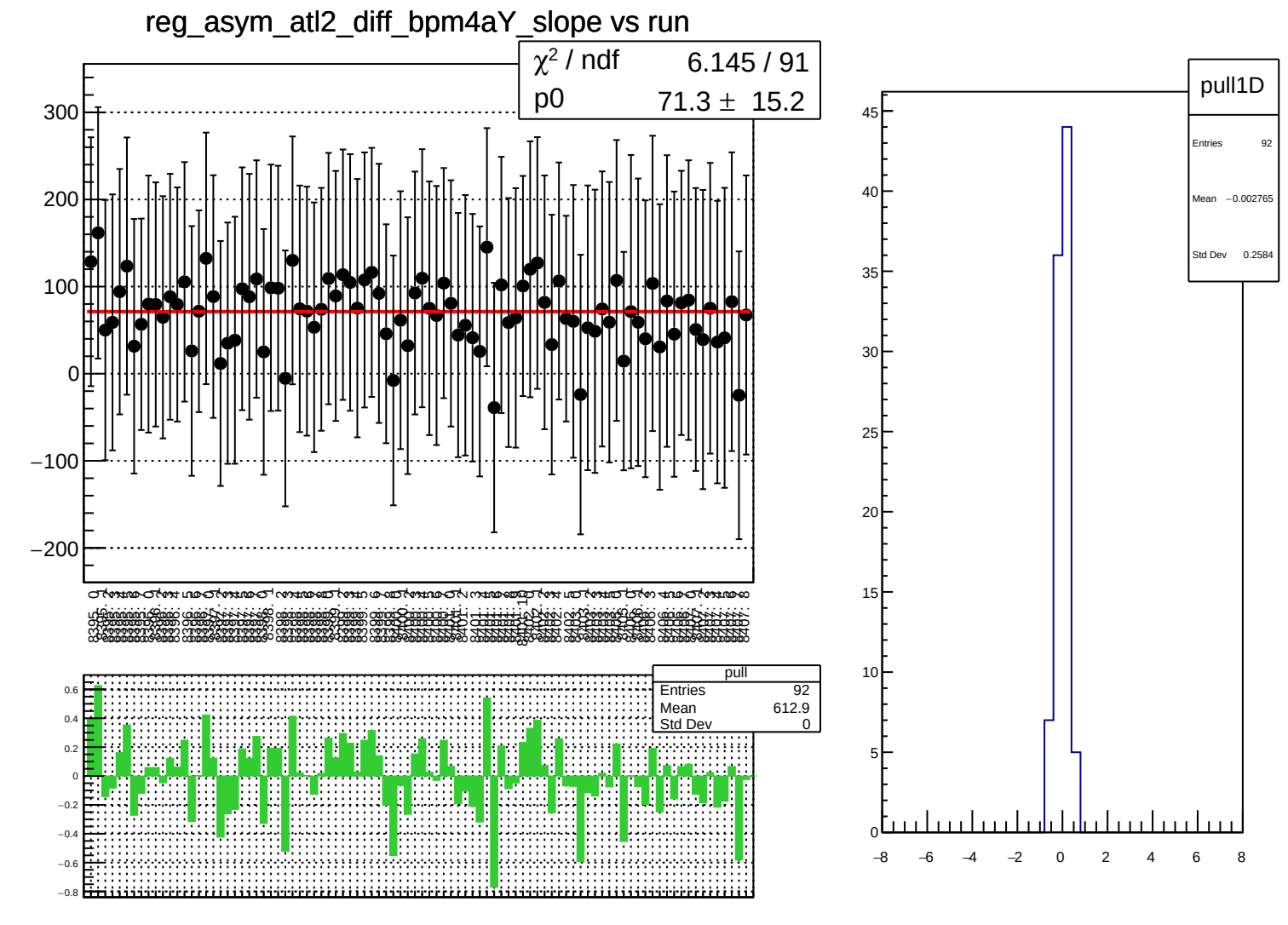

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 63.07 / 91
p0 −15.61 ± 4.354
100
50
0
−50
−100
−150
pull
Entries 92
Mean 299.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

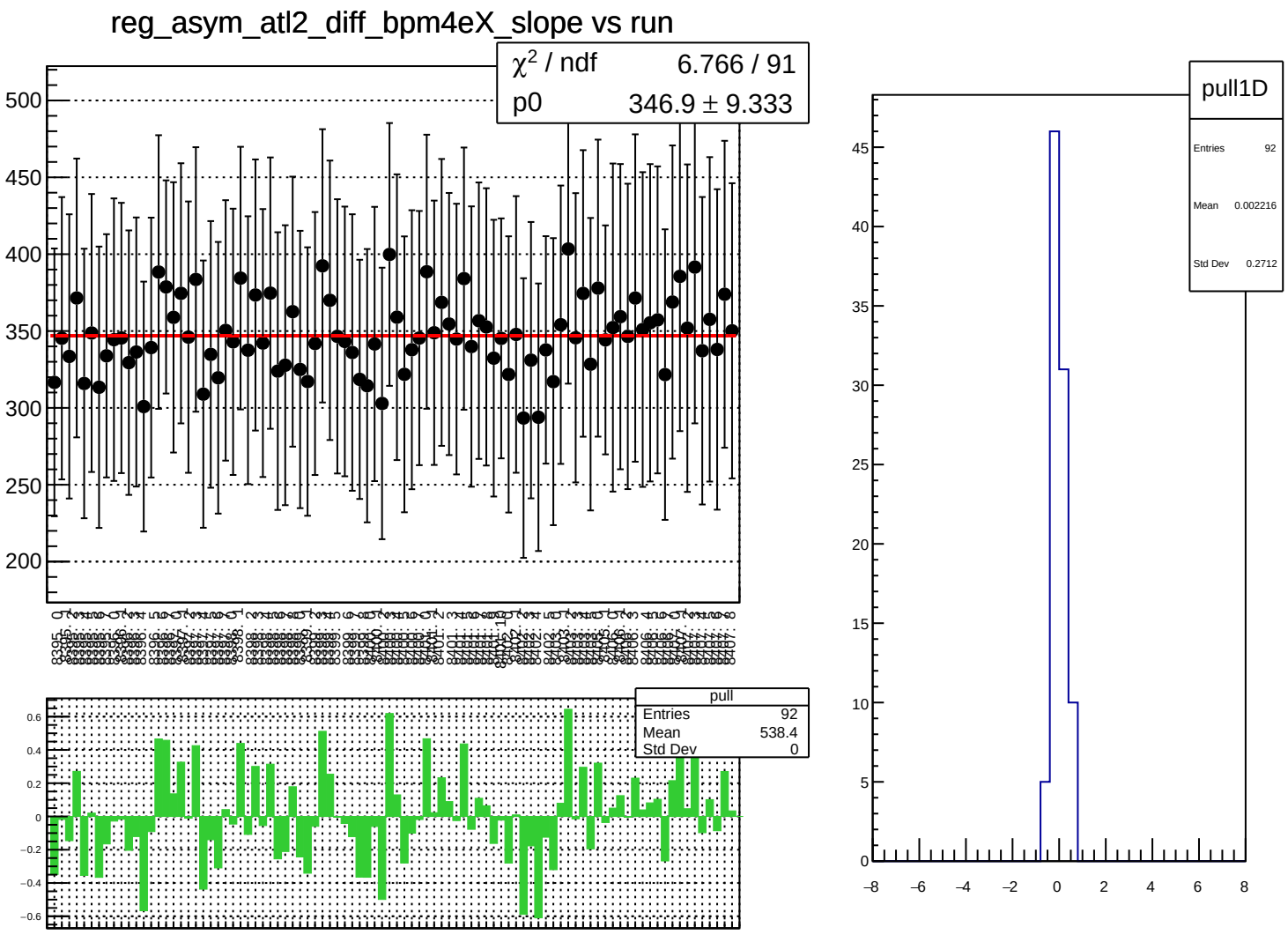

pull1D
Entries 92
Mean −0.003814
Std Dev 0.828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

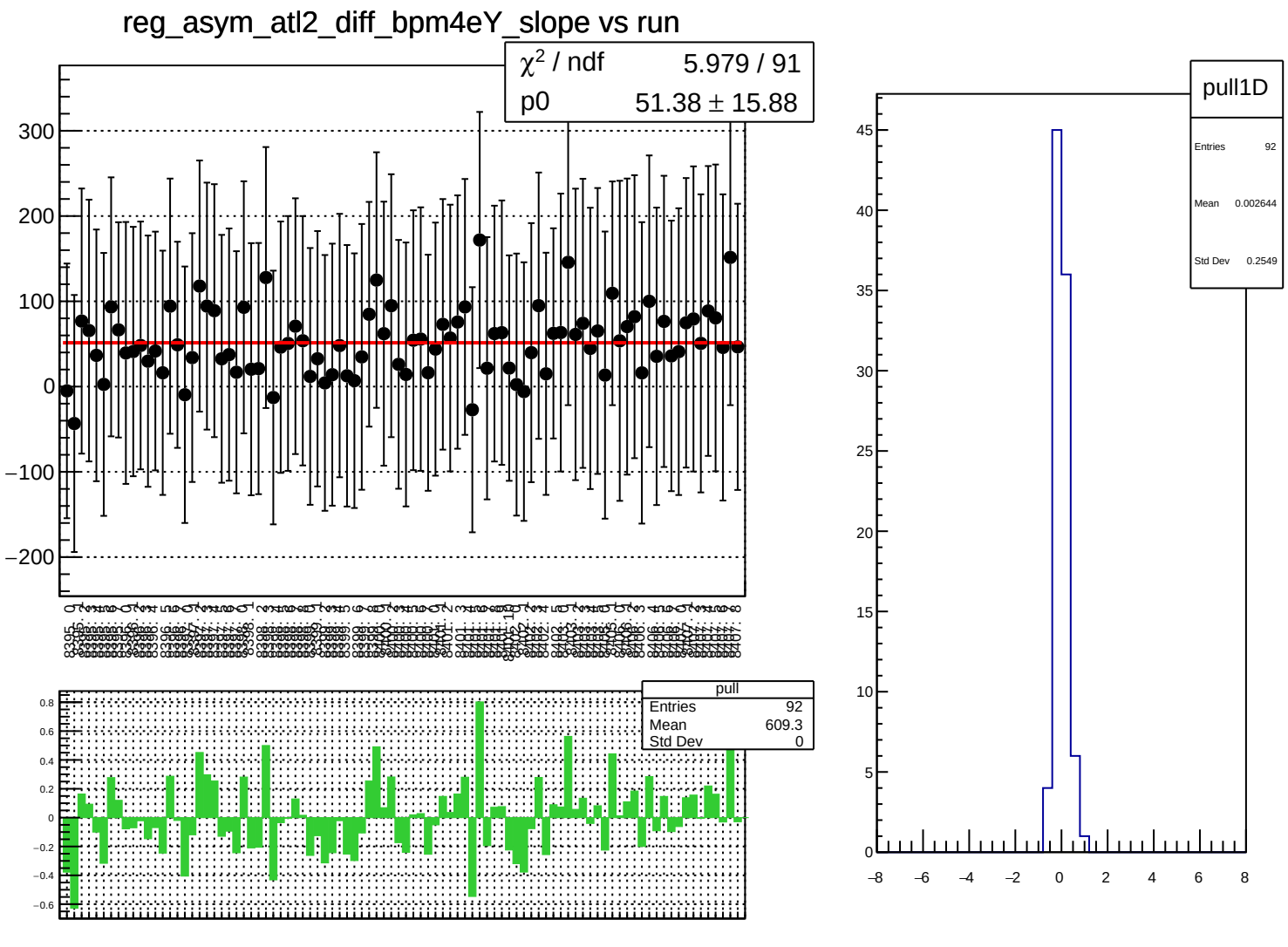

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 117.6 / 91
p0 0.5814 ± 0.2681
pull
Entries 92
Mean 311
Std Dev 0

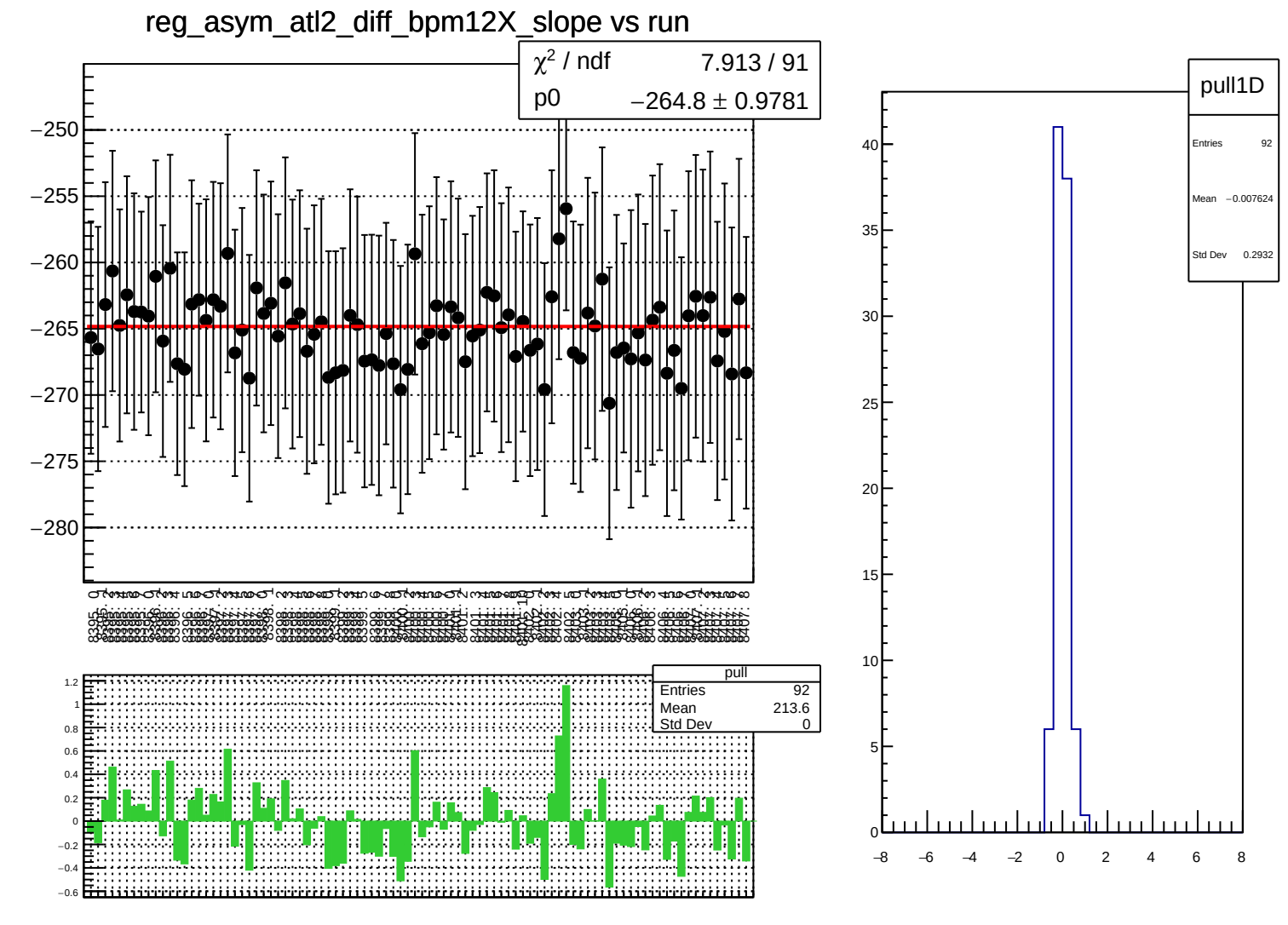

pull1D
Entries 92
Mean −0.02011
Std Dev 1.13

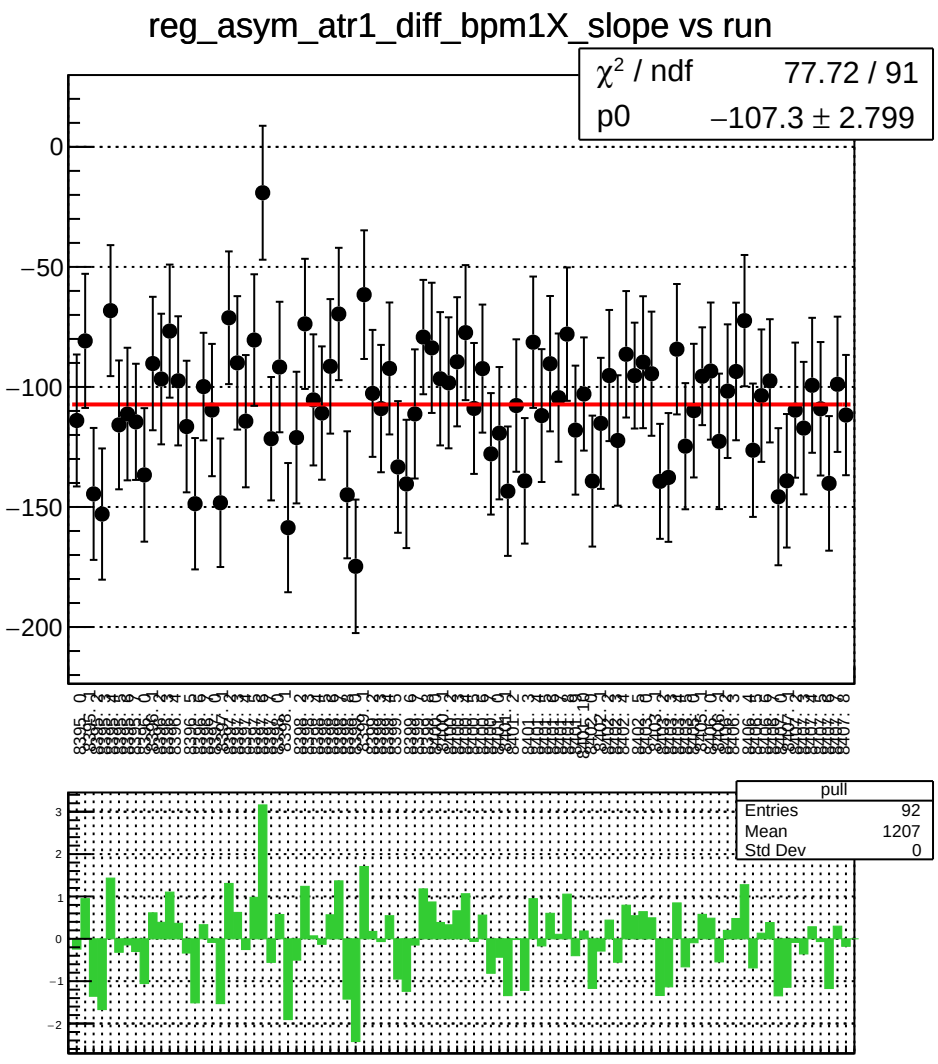

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 7.182 / 91
p0 −475.8 ± 8.357
−350
−400
−450
−500
−550
−600
pull
Entries 92
Mean 622.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.002266
Std Dev 0.2794
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

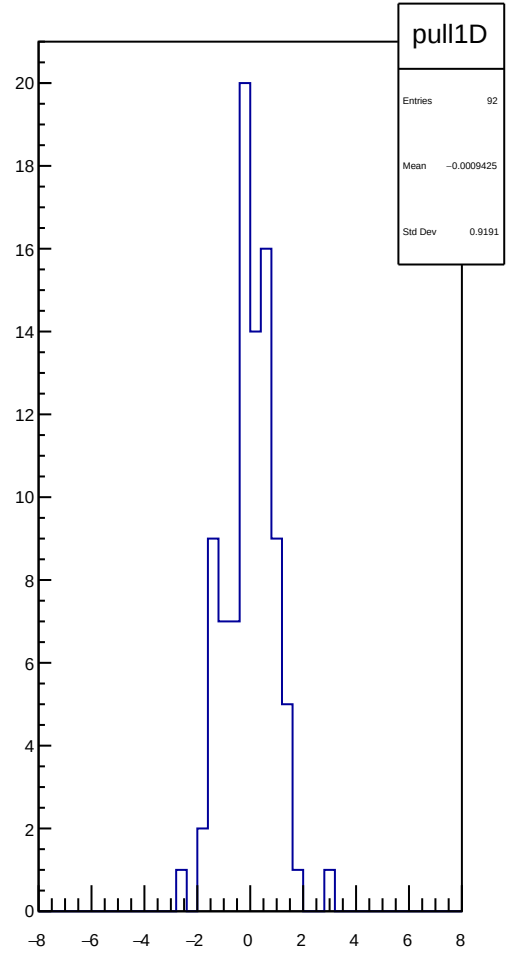

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.145 / 91
p0 71.3 ± 15.2
300
200
100
0
−100
−200
pull
Entries 92
Mean 612.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.002765
Std Dev 0.2584
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

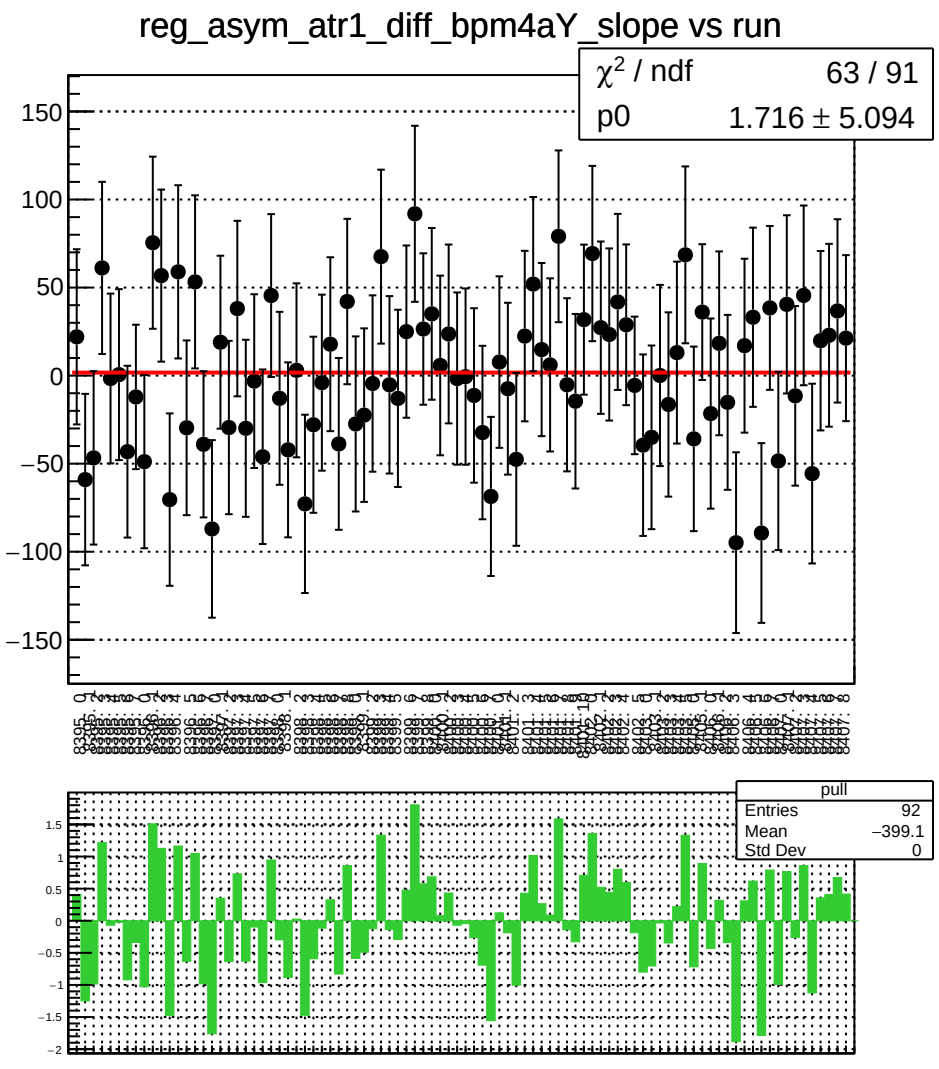

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 6.766 / 91
p0 346.9 ± 9.333
pull
Entries 92
Mean 538.4
Std Dev 0
pull1D
Entries 92
Mean 0.002216
Std Dev 0.2712

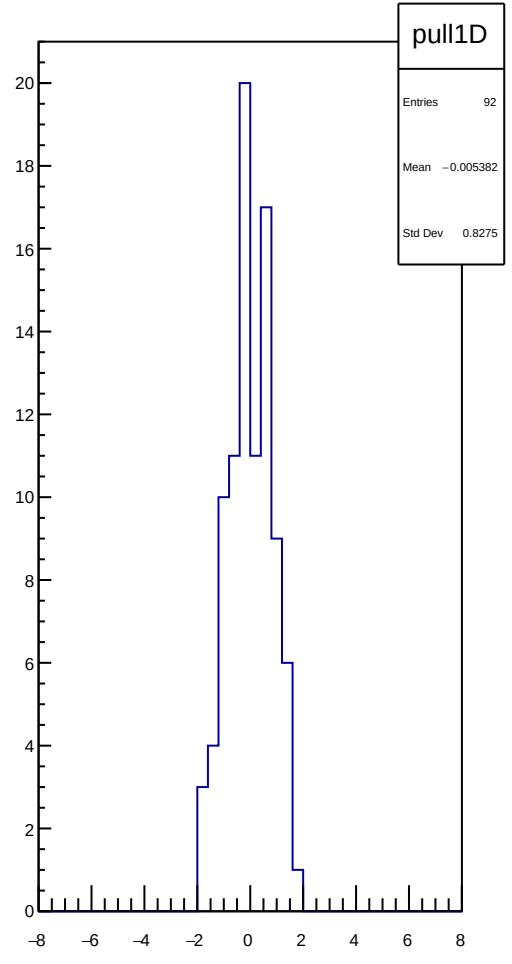

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.979 / 91
p0 51.38 ± 15.88
300
200
100
0
−100
−200
pull
Entries 92
Mean 609.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.002644
Std Dev 0.2549
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

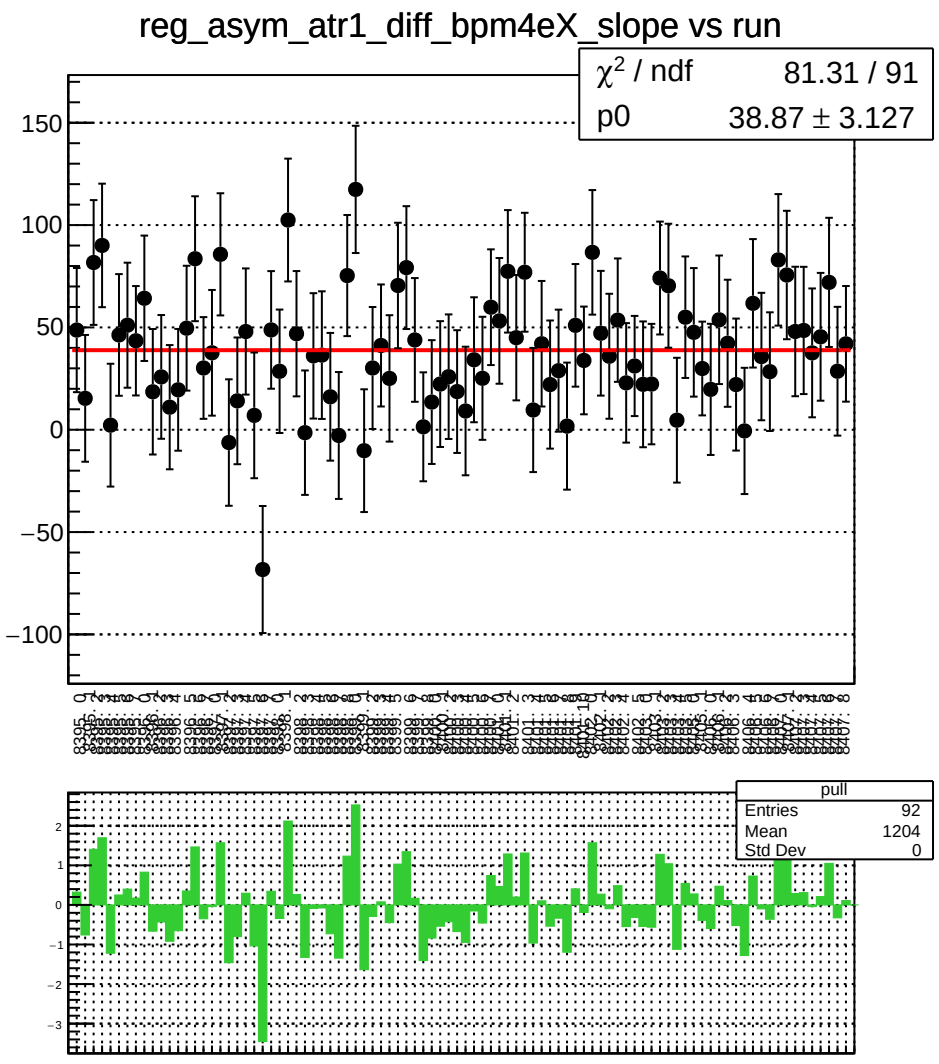

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 7.913 / 91
p0 −264.8 ± 0.9781
pull
Entries 92
Mean 213.6
Std Dev 0
pull1D
Entries 92
Mean −0.007624
Std Dev 0.2932

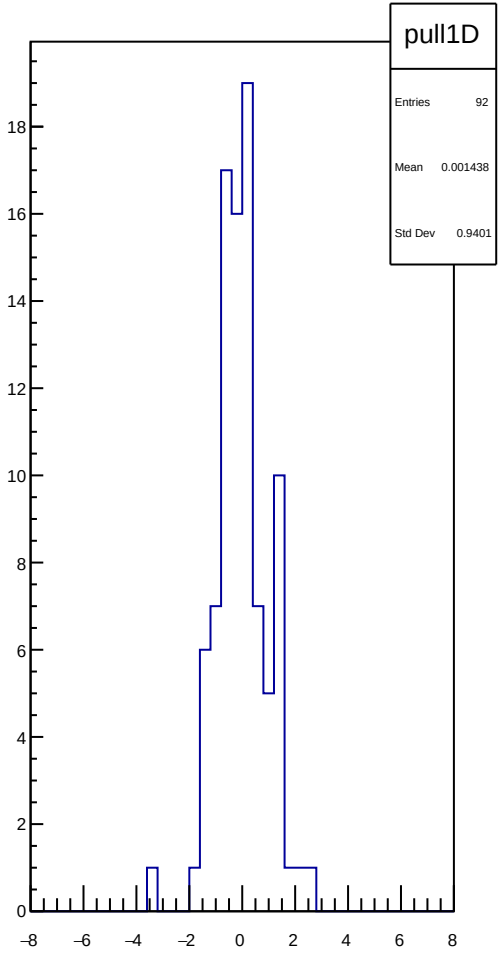

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 77.72 / 91
p0 −107.3 ± 2.799
pull
Entries 92
Mean 1207
Std Dev 0

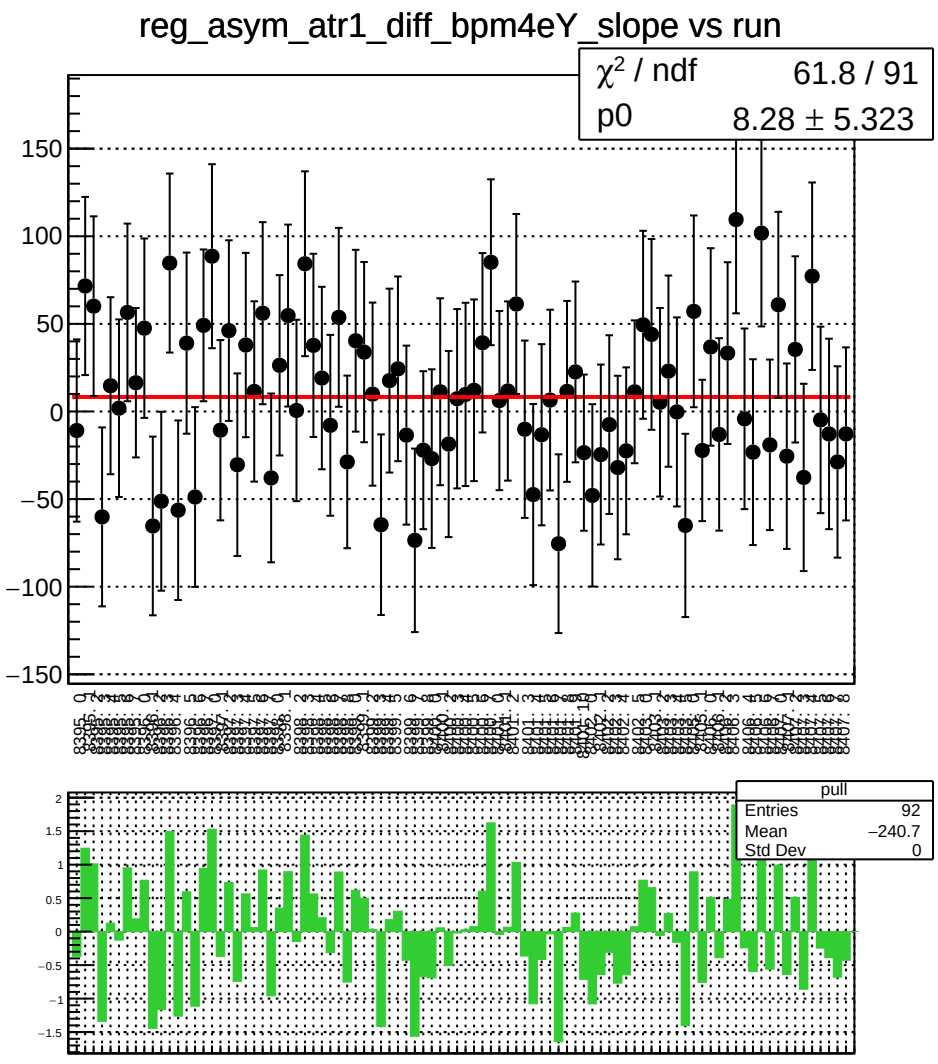

pull1D
Entries 92
Mean −0.0009425
Std Dev 0.9191

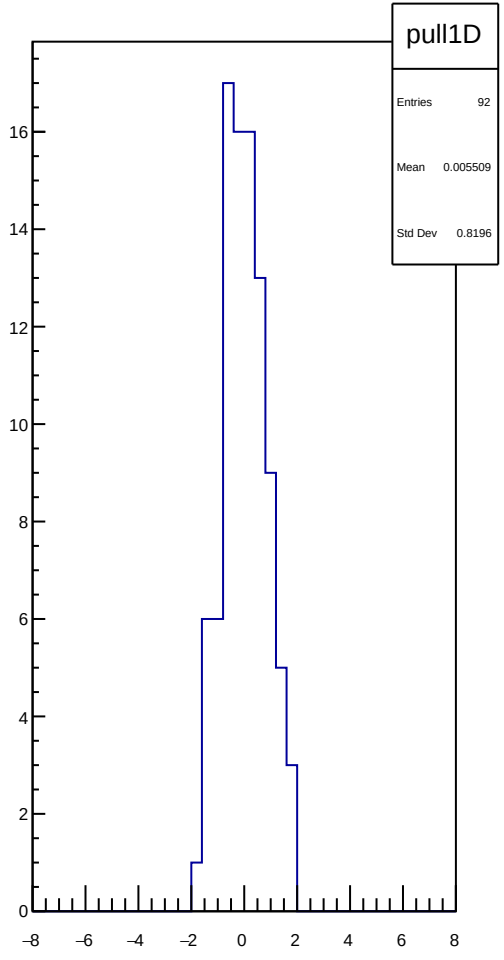

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 63 / 91
p0 1.716 ± 5.094
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −399.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

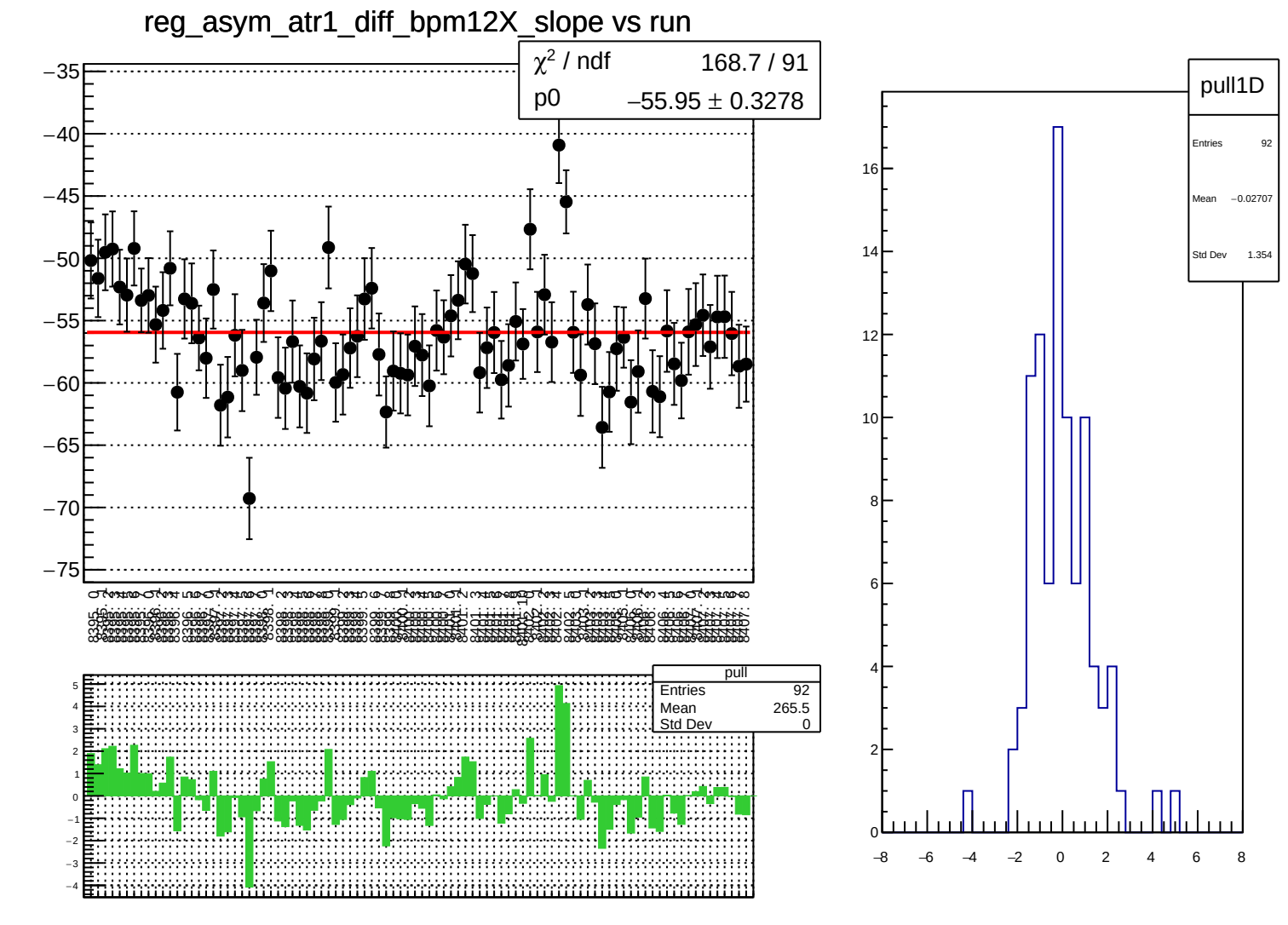

pull1D
Entries 92
Mean −0.005382
Std Dev 0.8275
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

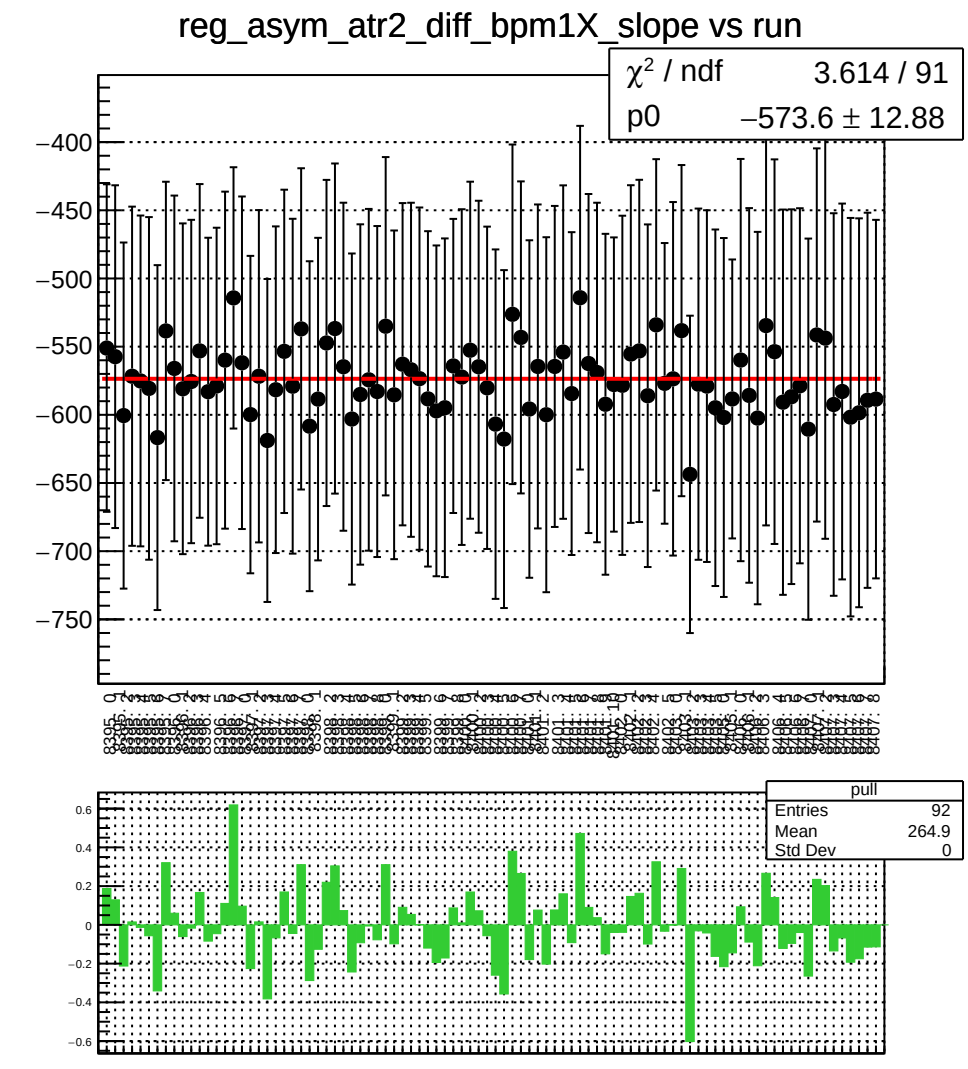

reg_asym_atr1_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 81.31 / 91
p0 38.87 ± 3.127
150
100
50
0
−50
−100
pull
Entries 92
Mean 1204
Std Dev 0
2
1
0
−1
−2
−3

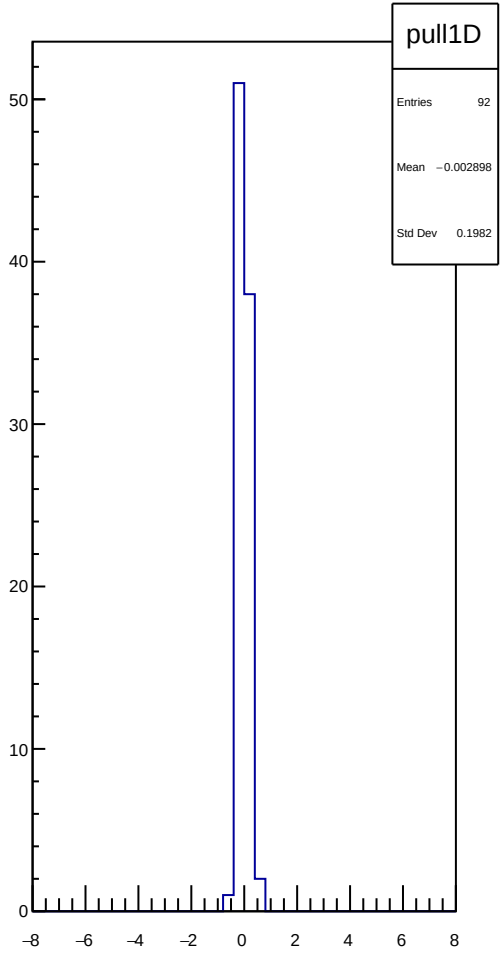

pull1D
Entries 92
Mean 0.001438
Std Dev 0.9401
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

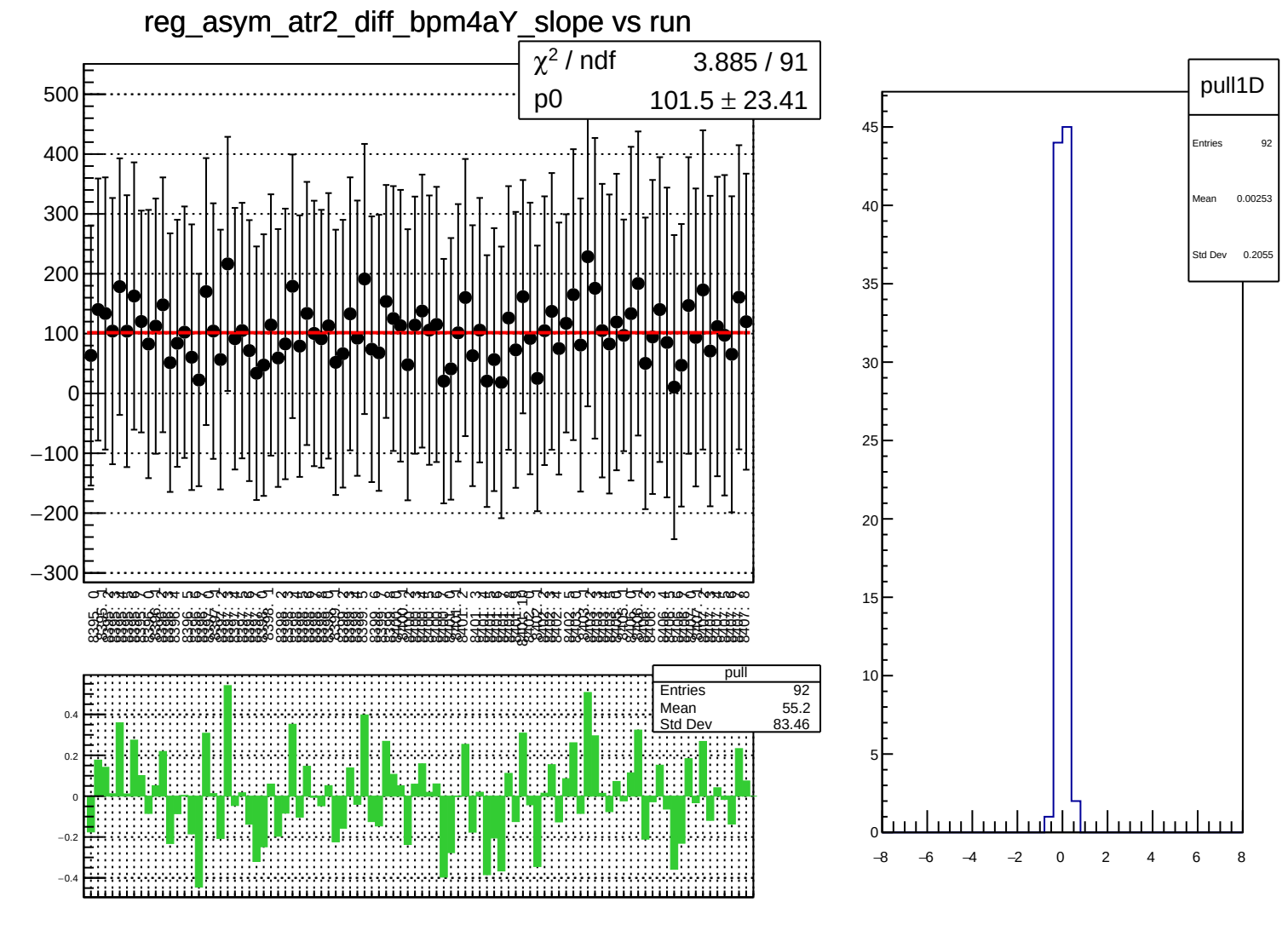

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 61.8 / 91
p0 8.28 ± 5.323
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −240.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

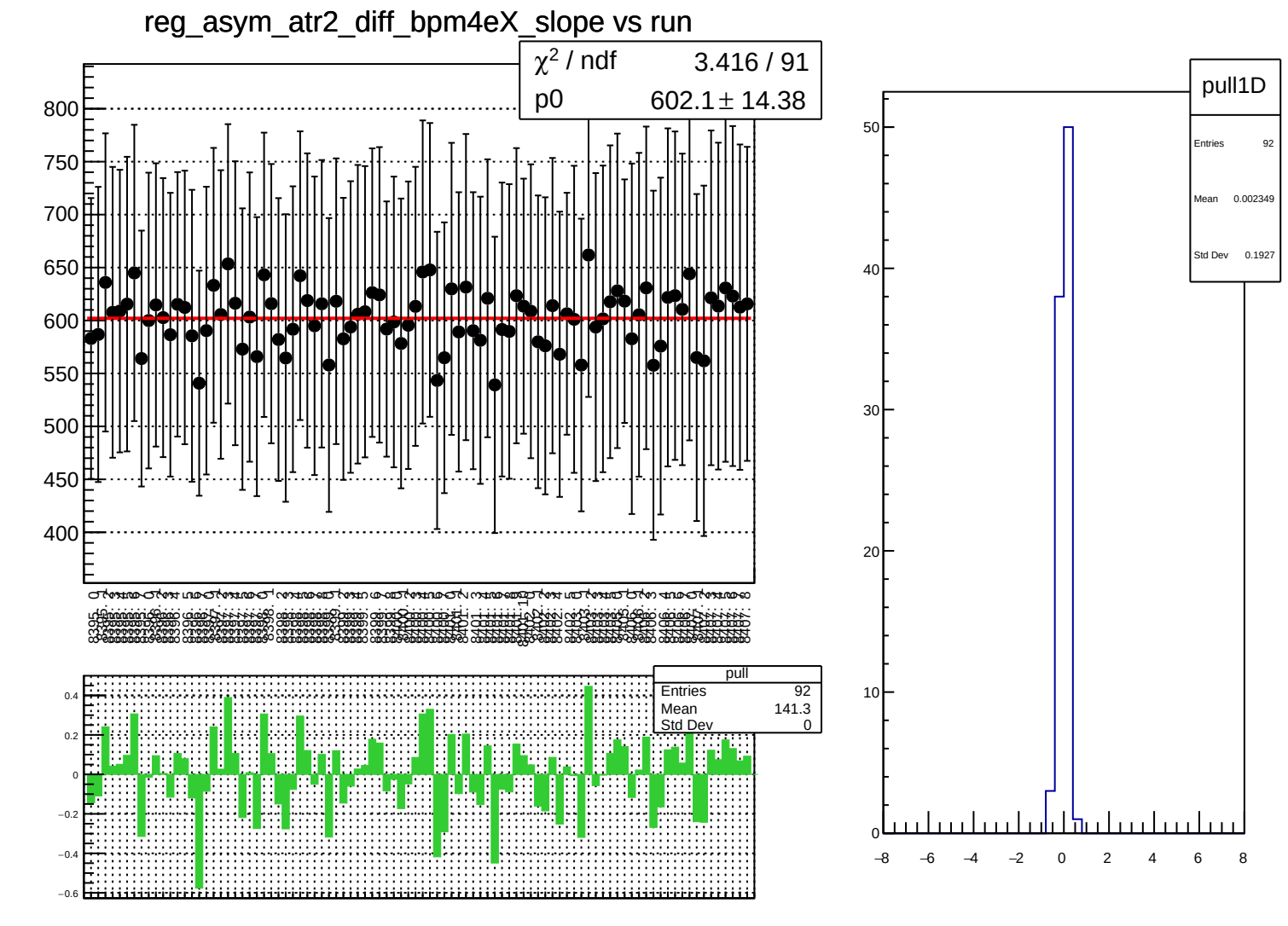

pull1D
Entries 92
Mean 0.005509
Std Dev 0.8196
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

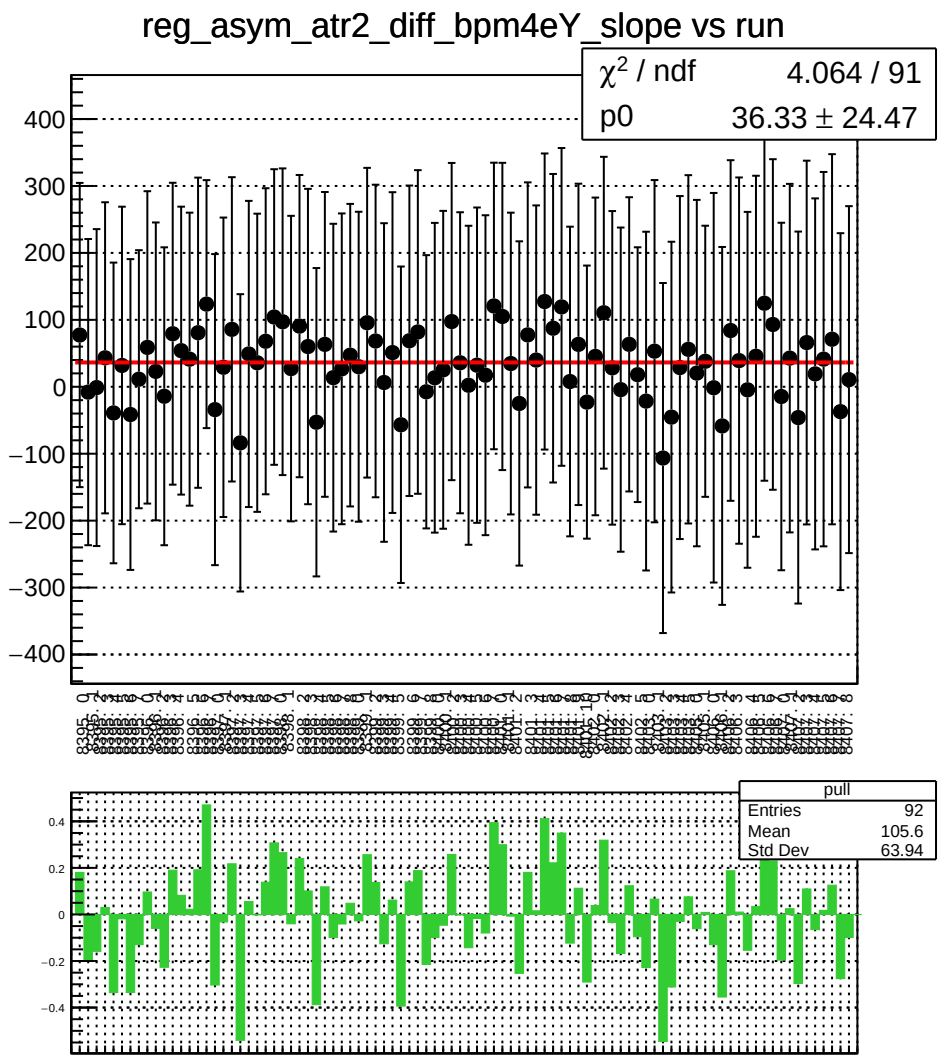

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 168.7 / 91
p0 −55.95 ± 0.3278
pull
Entries 92
Mean 265.5
Std Dev 0
pull1D
Entries 92
Mean −0.02707
Std Dev 1.354

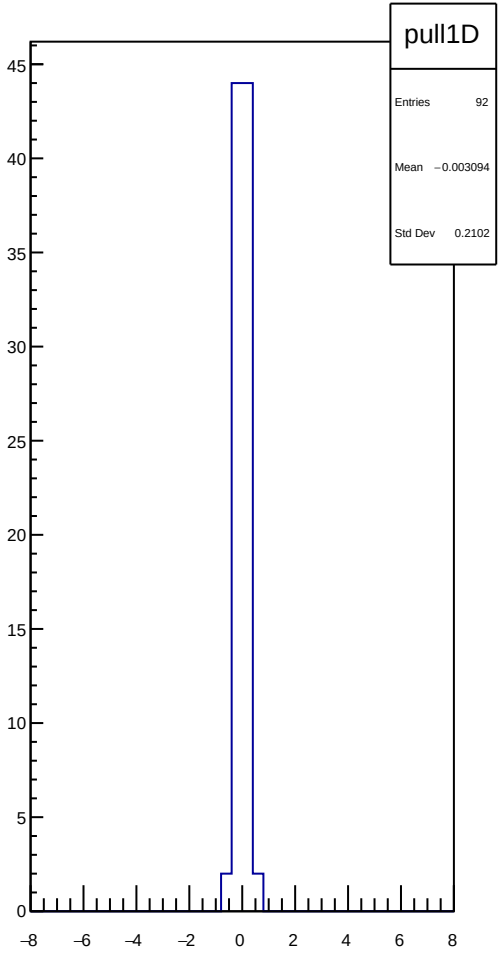

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 3.614 / 91
p0 −573.6 ± 12.88
−400
−450
−500
−550
−600
−650
−700
−750
pull
Entries 92
Mean 264.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

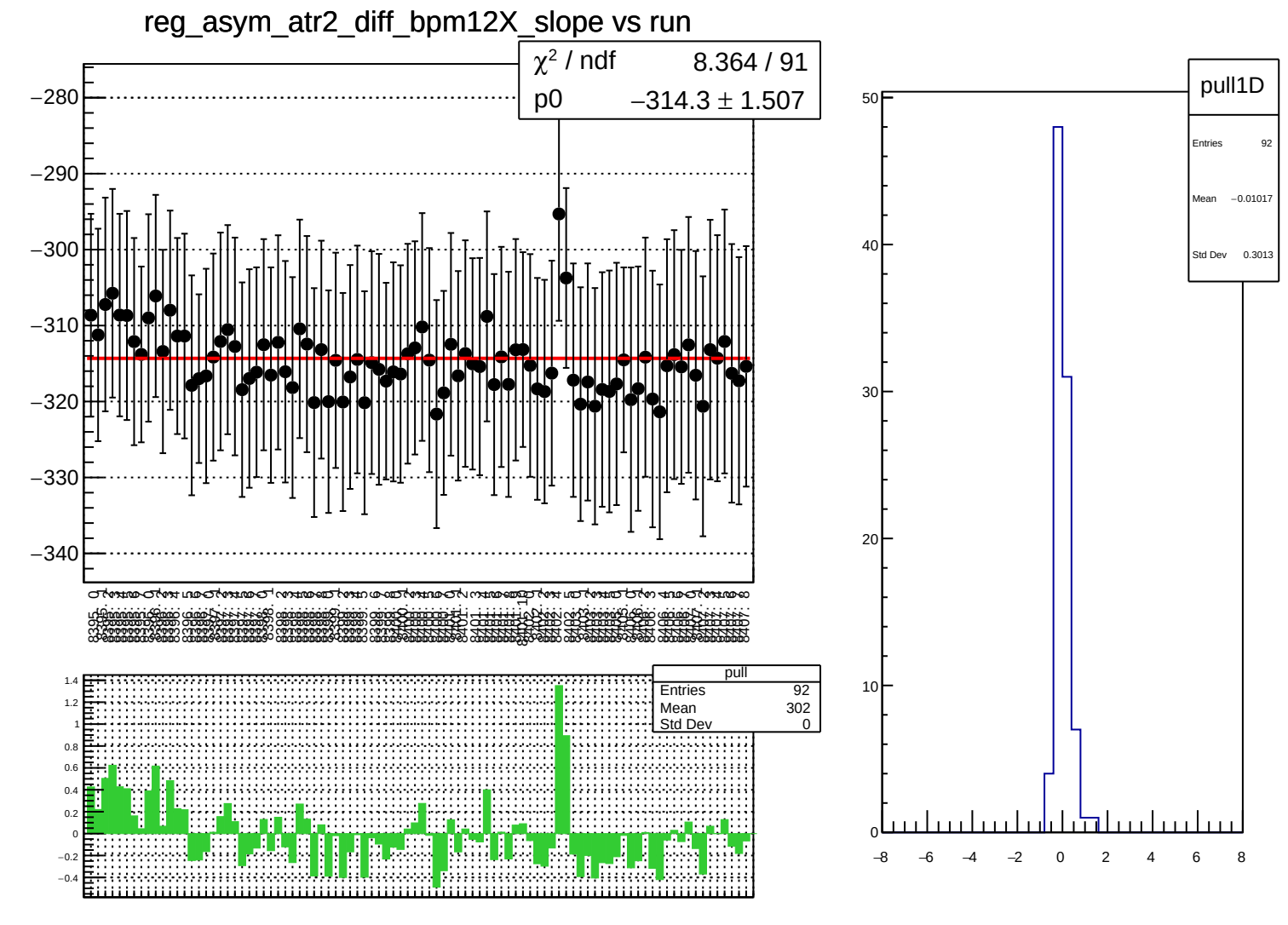

pull1D
Entries 92
Mean −0.002898
Std Dev 0.1982
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

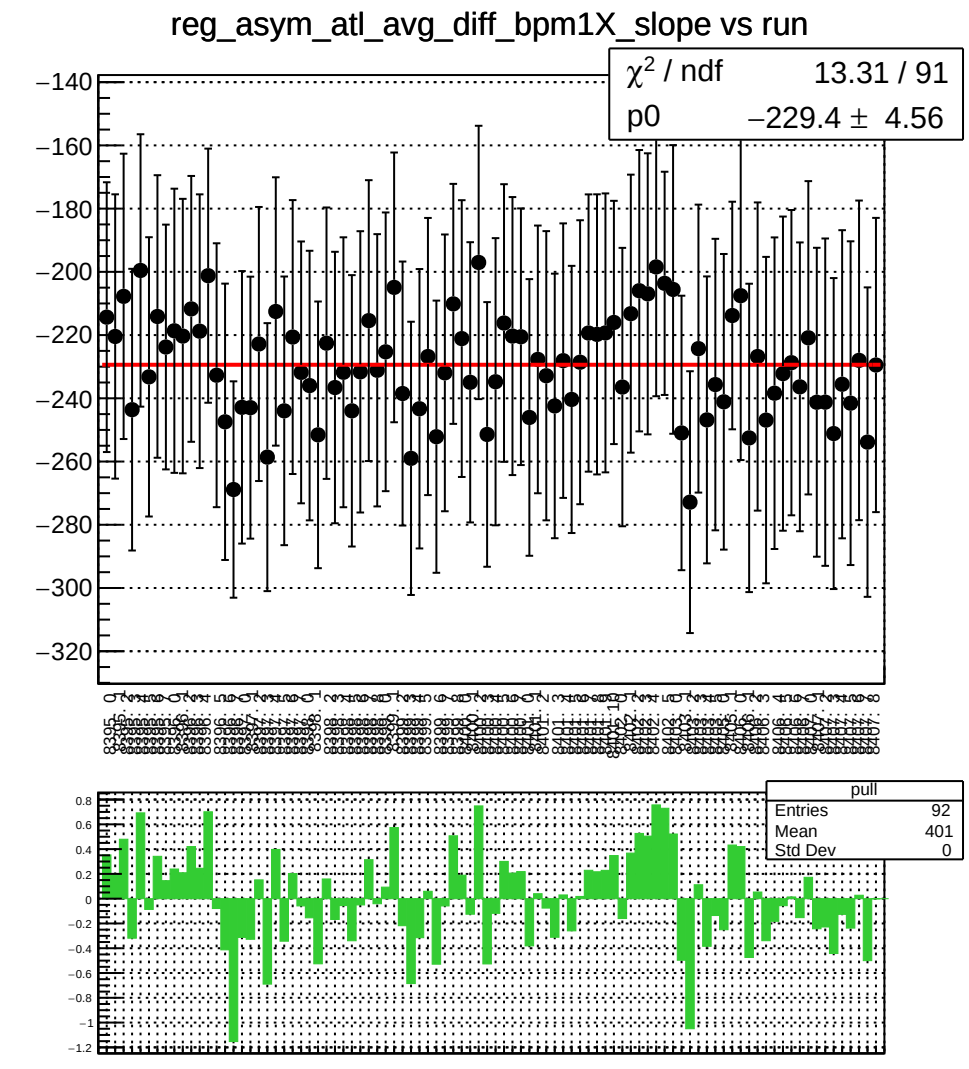

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.885 / 91
p0 101.5 ± 23.41
pull
Entries 92
Mean 55.2
Std Dev 83.46
pull1D
Entries 92
Mean 0.00253
Std Dev 0.2055

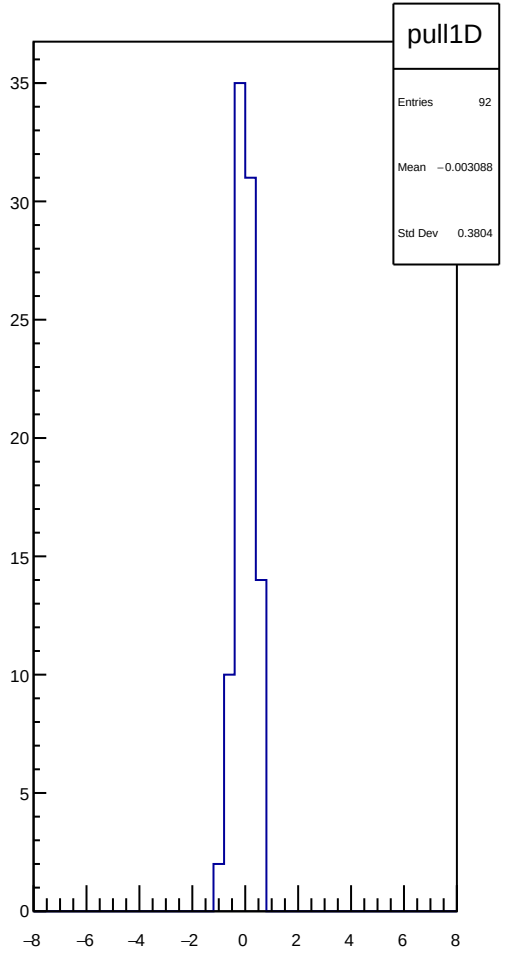

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 3.416 / 91
p0 602.1 ± 14.38
pull
Entries 92
Mean 141.3
Std Dev 0
pull1D
Entries 92
Mean 0.002349
Std Dev 0.1927

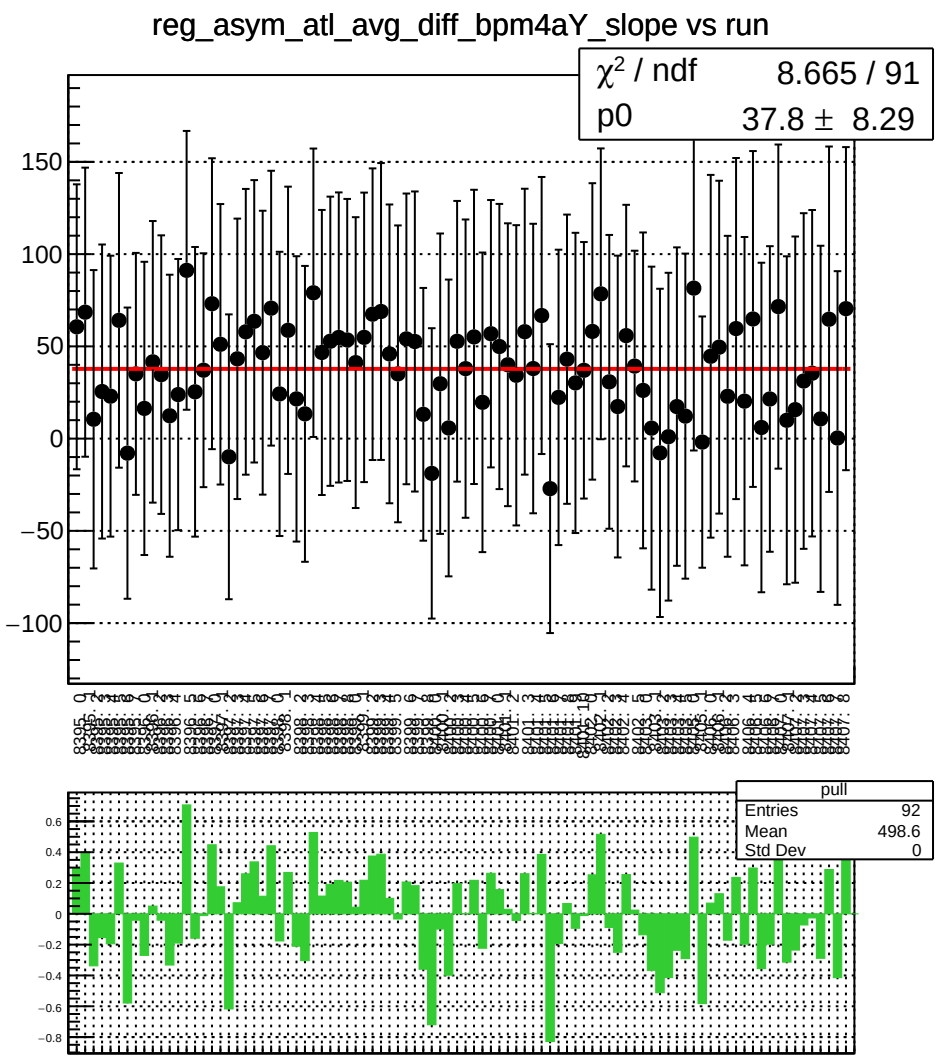

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.064 / 91
p0 36.33 ± 24.47
pull
Entries 92
Mean 105.6
Std Dev 63.94

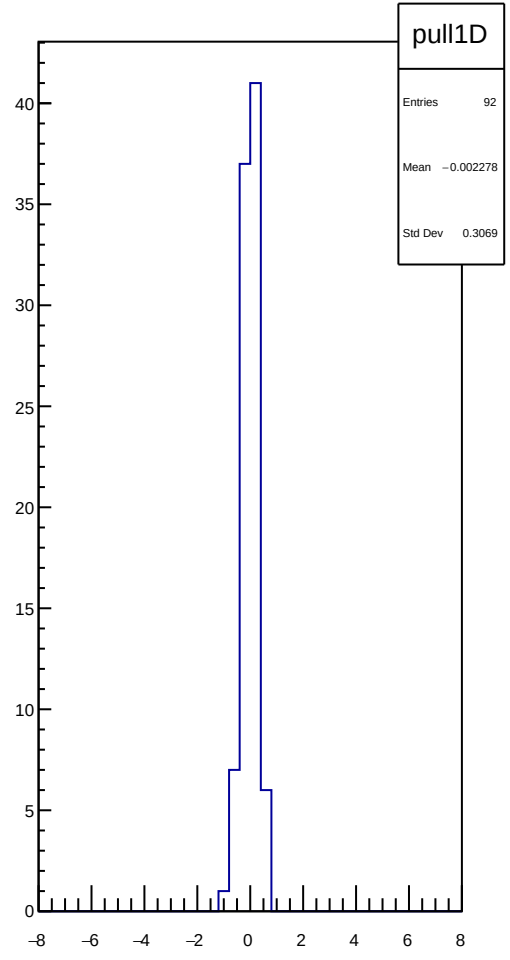

pull1D
Entries 92
Mean −0.003094
Std Dev 0.2102

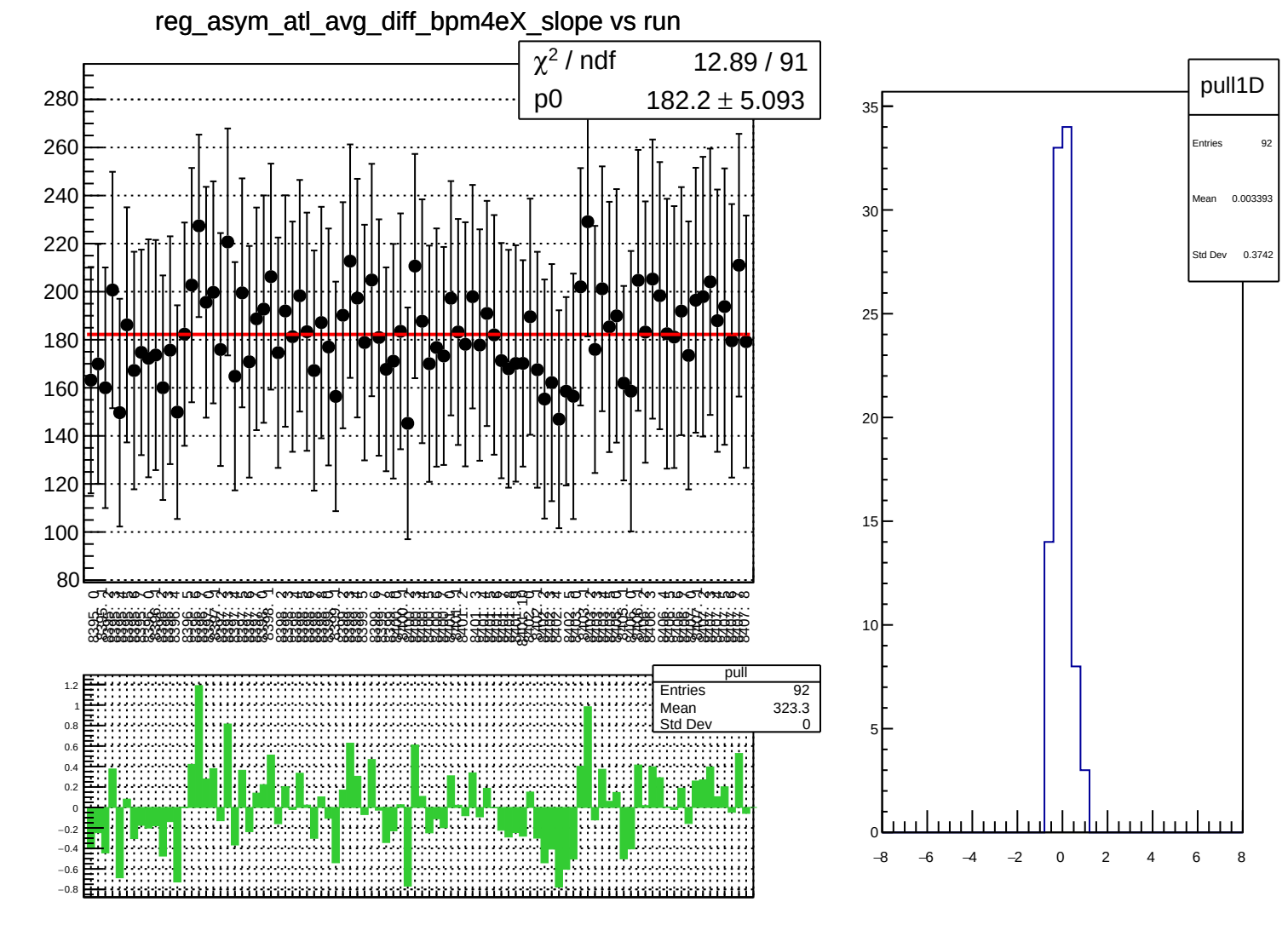

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 8.364 / 91
p0 −314.3 ± 1.507
pull
Entries 92
Mean 302
Std Dev 0
pull1D
Entries 92
Mean −0.01017
Std Dev 0.3013

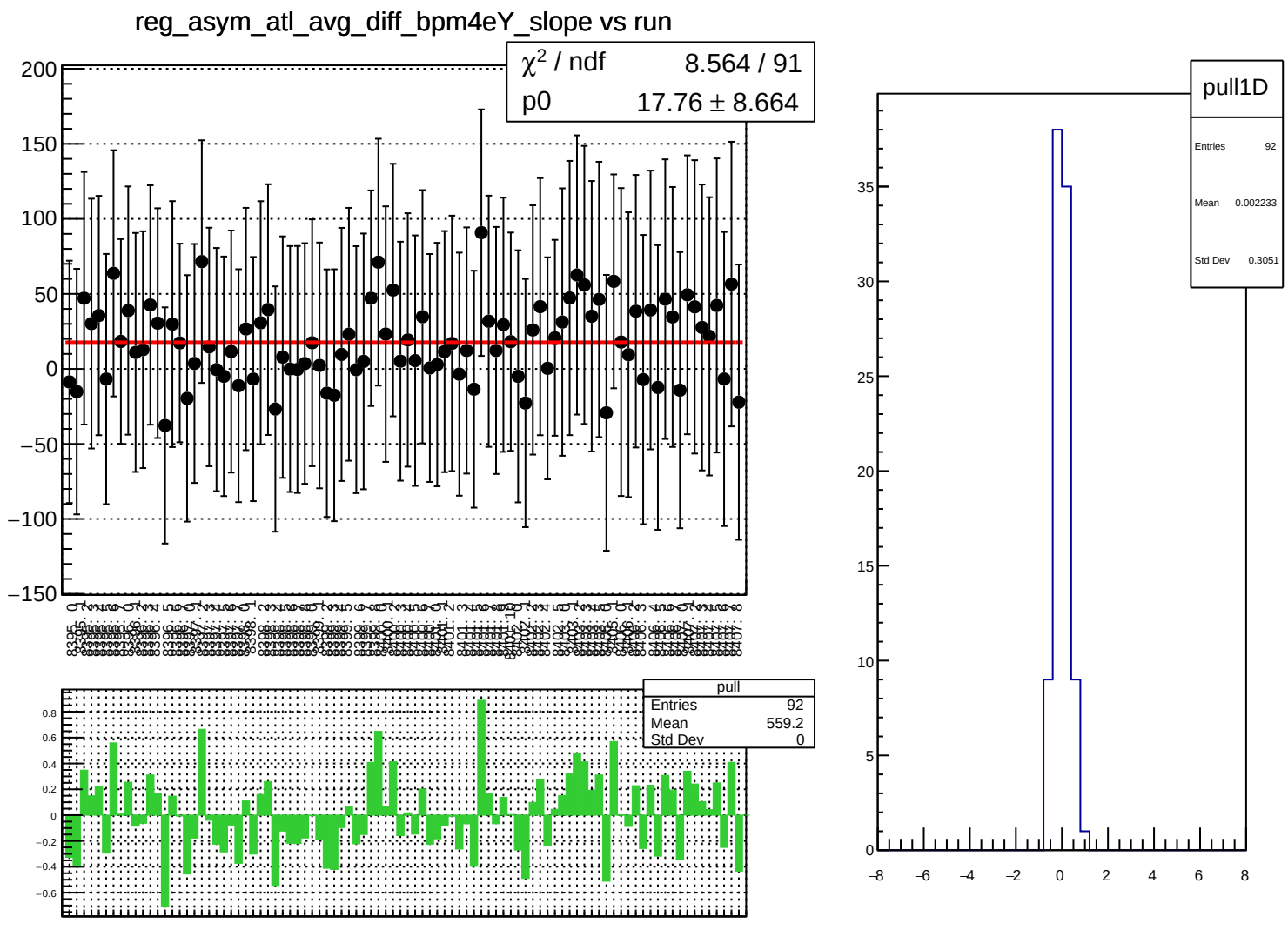

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 13.31 / 91
p0 −229.4 ± 4.56
pull
Entries 92
Mean 401
Std Dev 0

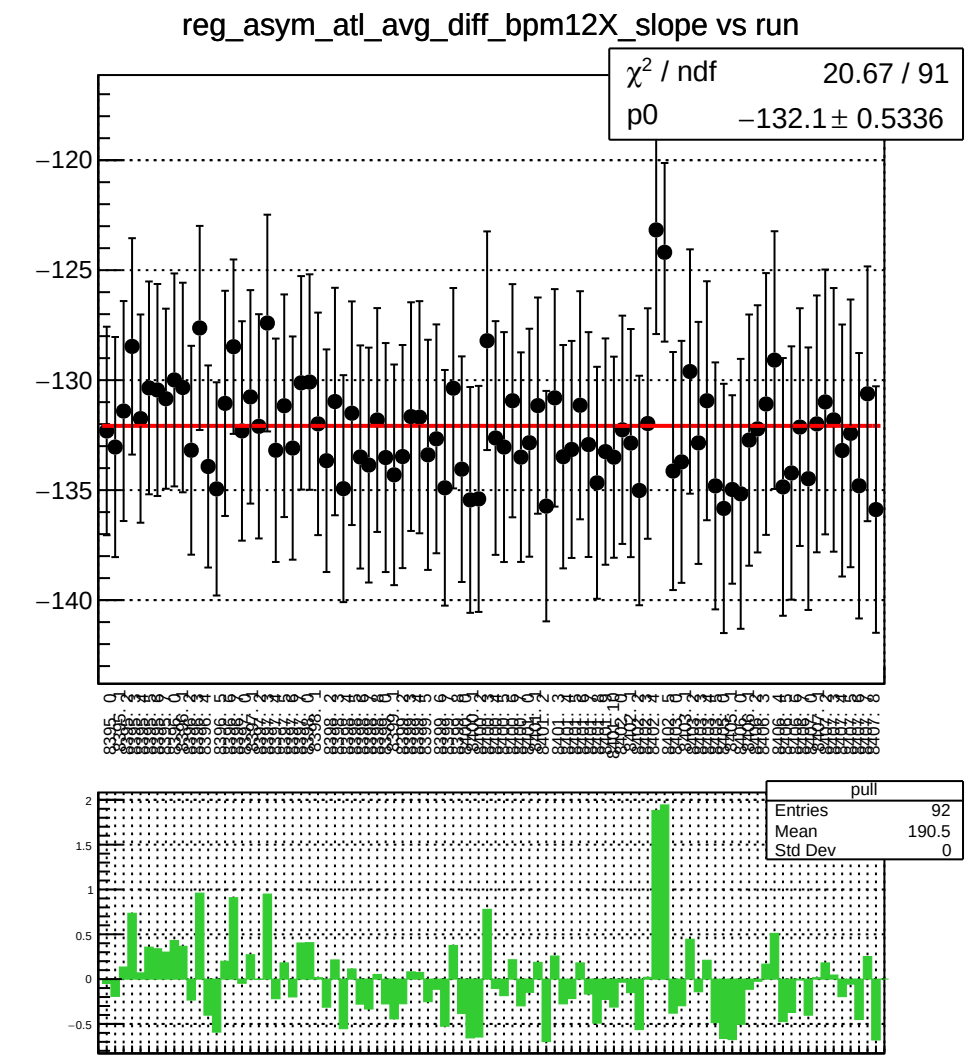

pull1D
Entries 92
Mean −0.003088
Std Dev 0.3804

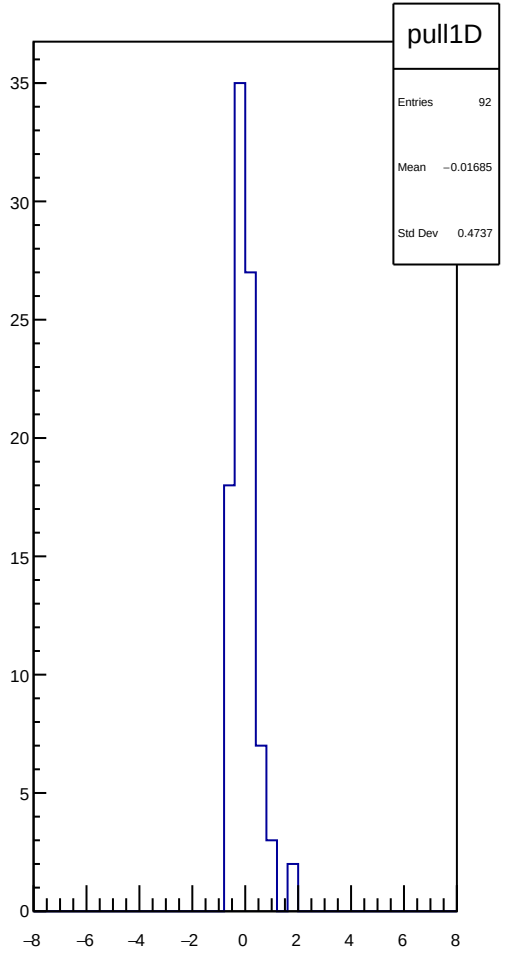

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.665 / 91
p0 37.8 ± 8.29
150
100
50
0
−50
−100
pull
Entries 92
Mean 498.6
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

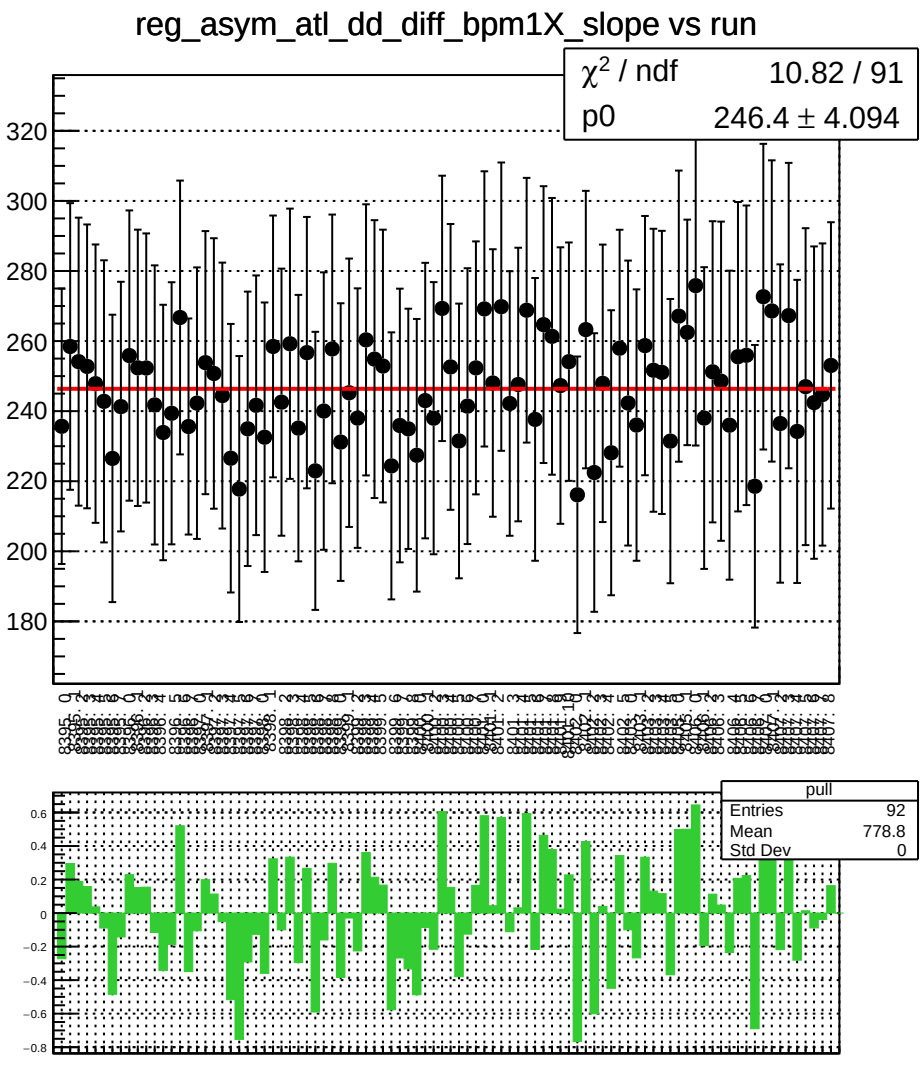

pull1D
Entries 92
Mean −0.002278
Std Dev 0.3069
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

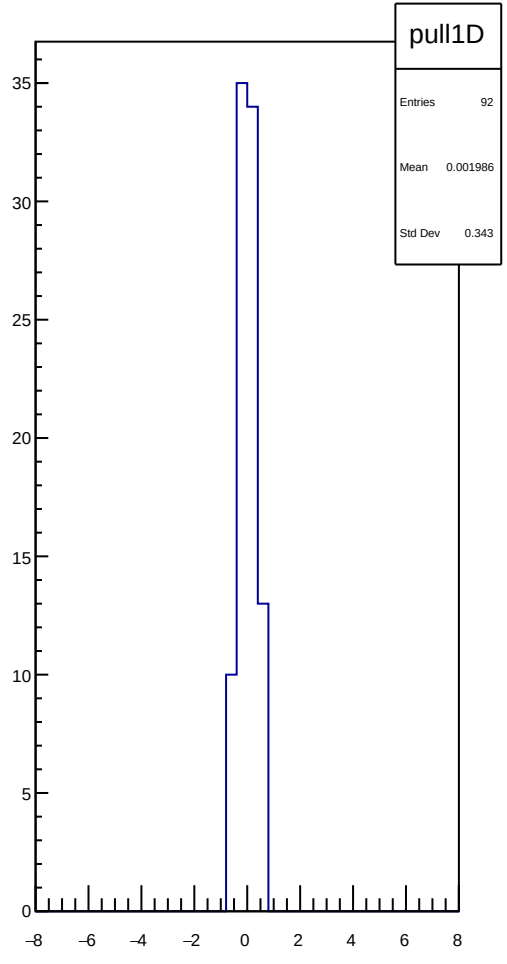

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.89 / 91
p0 182.2 ± 5.093
pull
Entries 92
Mean 323.3
Std Dev 0
pull1D
Entries 92
Mean 0.003393
Std Dev 0.3742

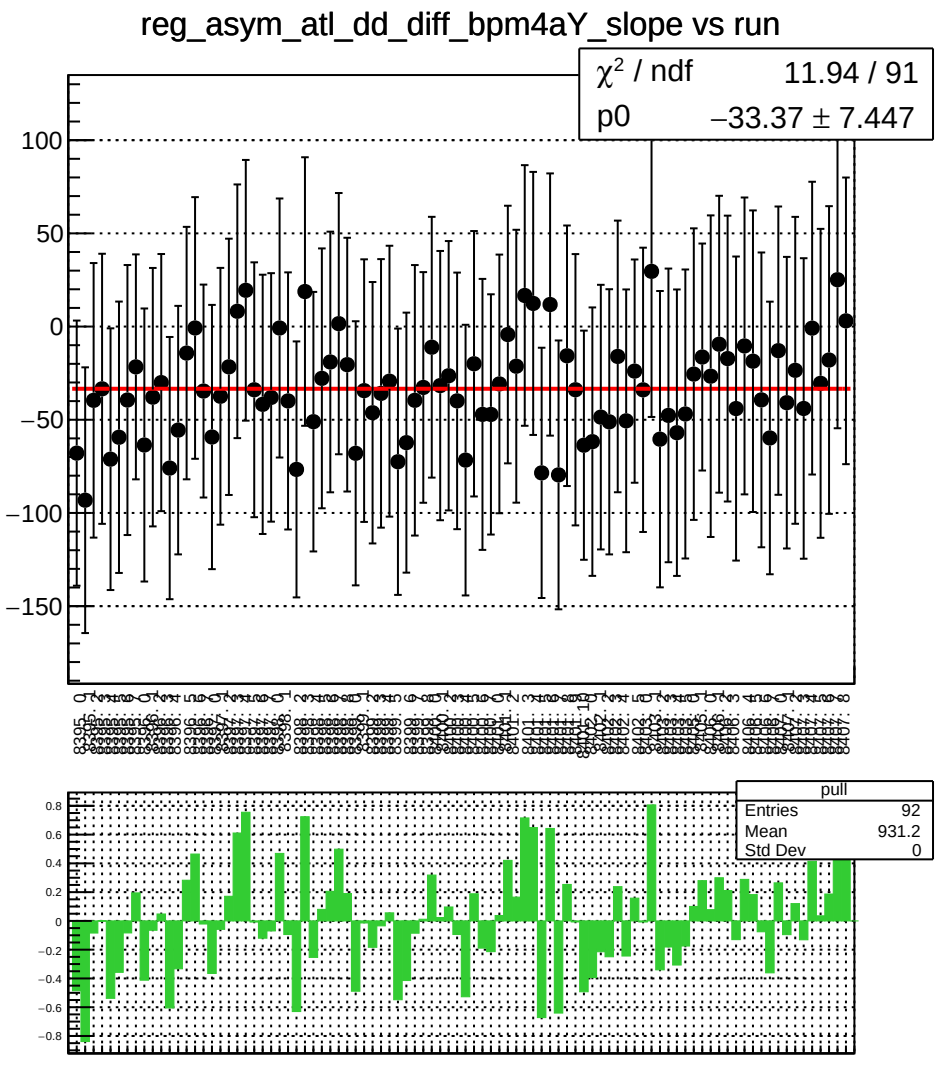

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.564 / 91
p0 17.76 ± 8.664
pull
Entries 92
Mean 559.2
Std Dev 0
pull1D
Entries 92
Mean 0.002233
Std Dev 0.3051

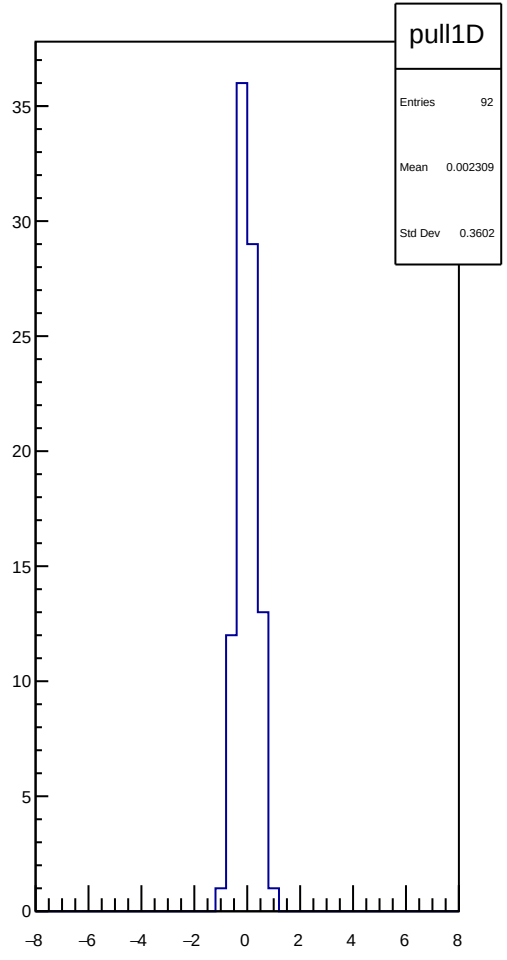

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 20.67 / 91
p0 −132.1 ± 0.5336
pull
Entries 92
Mean 190.5
Std Dev 0

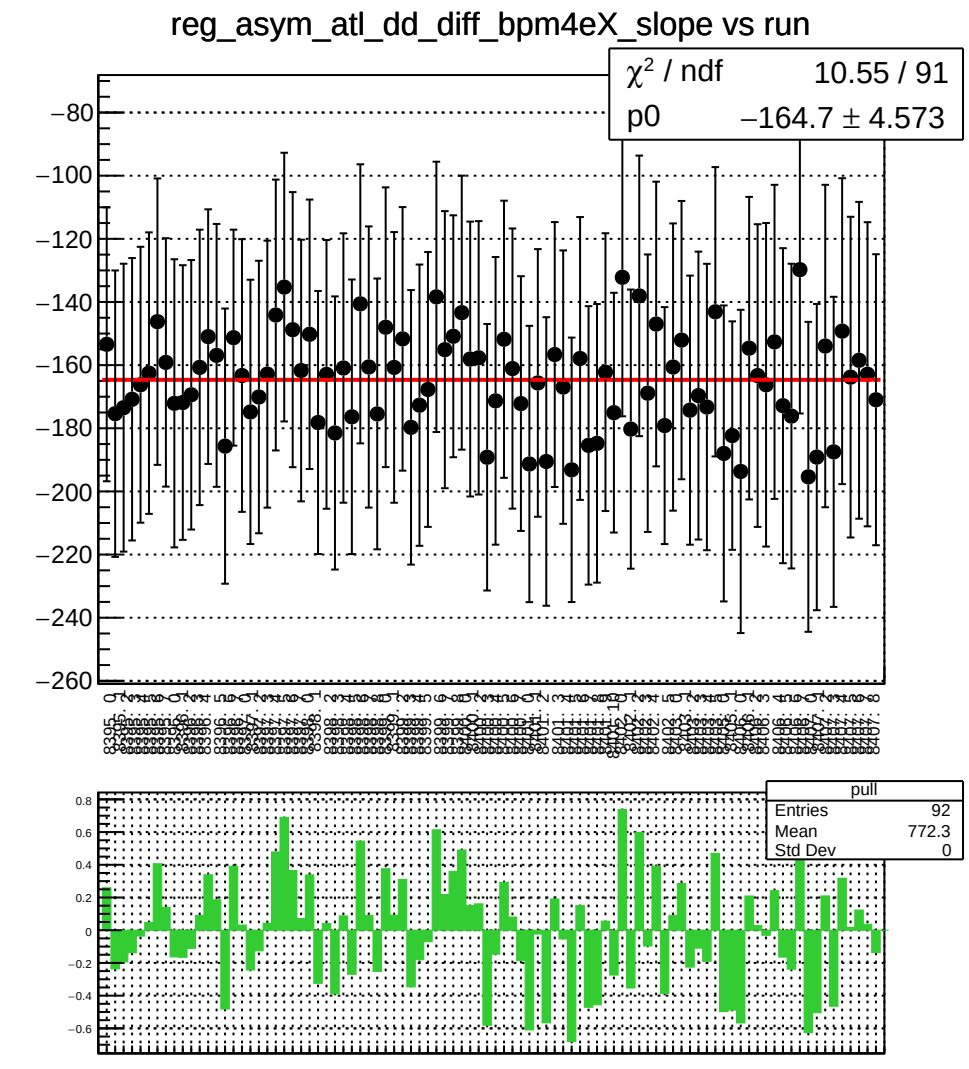

pull1D
Entries 92
Mean −0.01685
Std Dev 0.4737

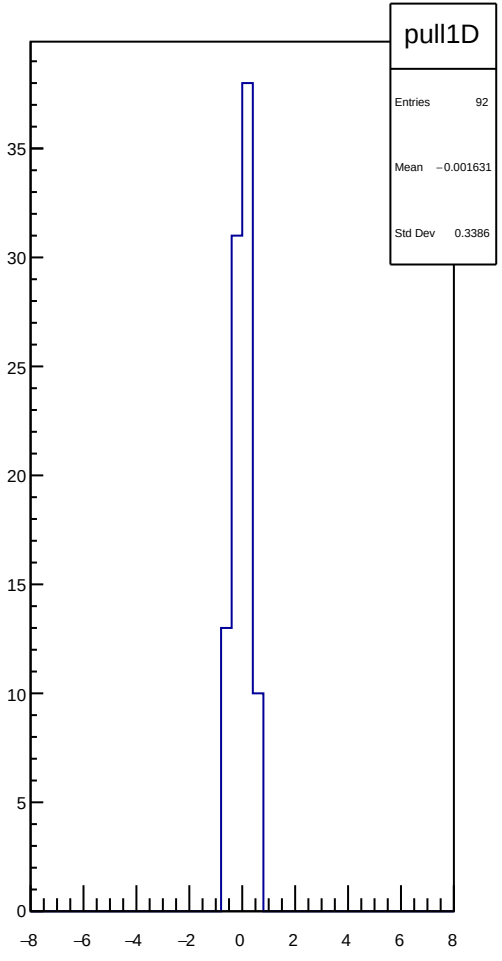

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 10.82 / 91
p0 246.4 ± 4.094
320
300
280
260
240
220
200
180
pull
Entries 92
Mean 778.8
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

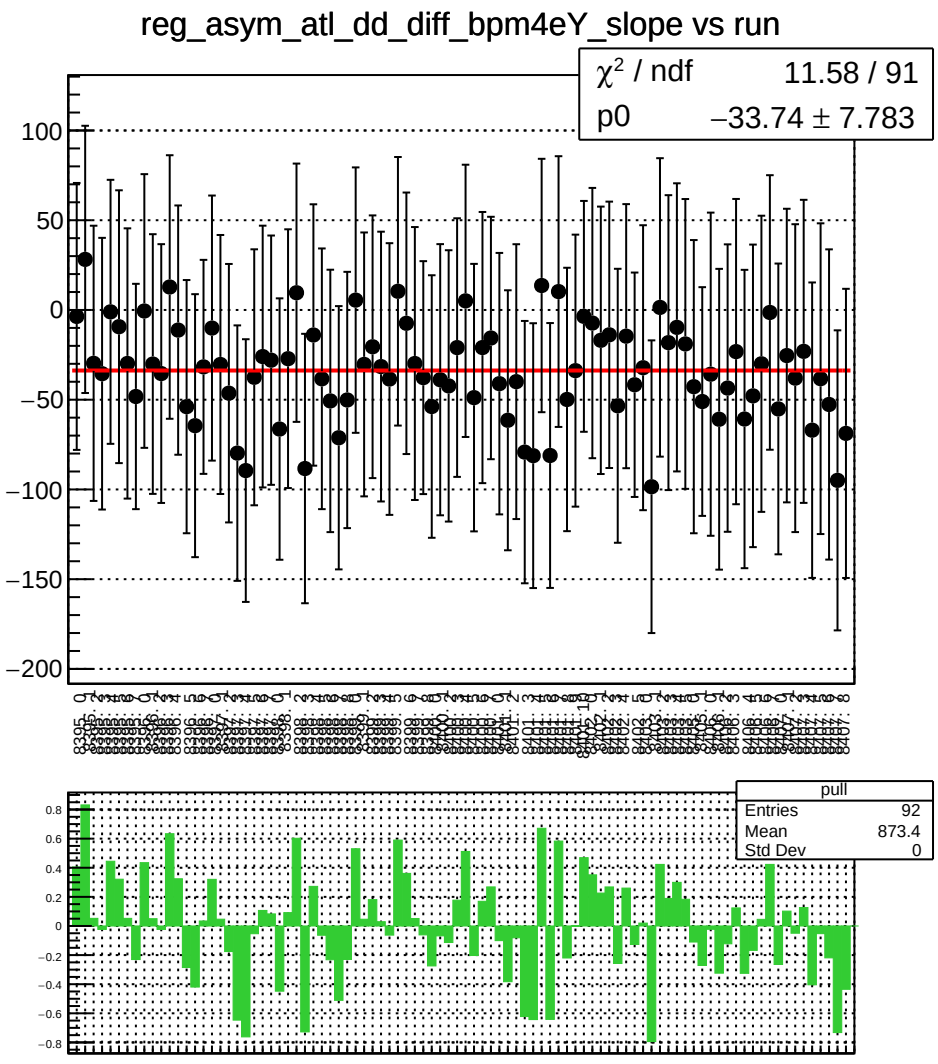

pull1D
Entries 92
Mean 0.001986
Std Dev 0.343
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

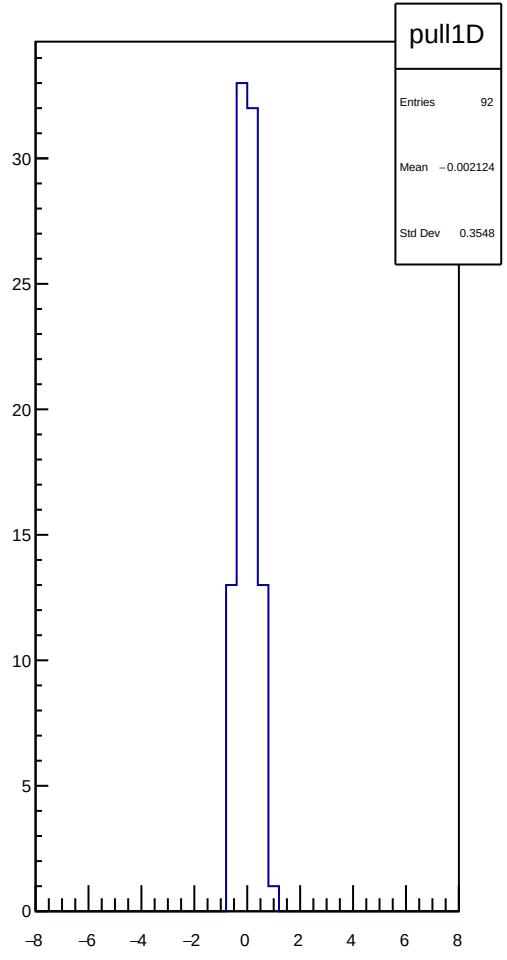

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.94 / 91
p0 −33.37 ± 7.447
100
50
0
−50
−100
−150
pull
Entries 92
Mean 931.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

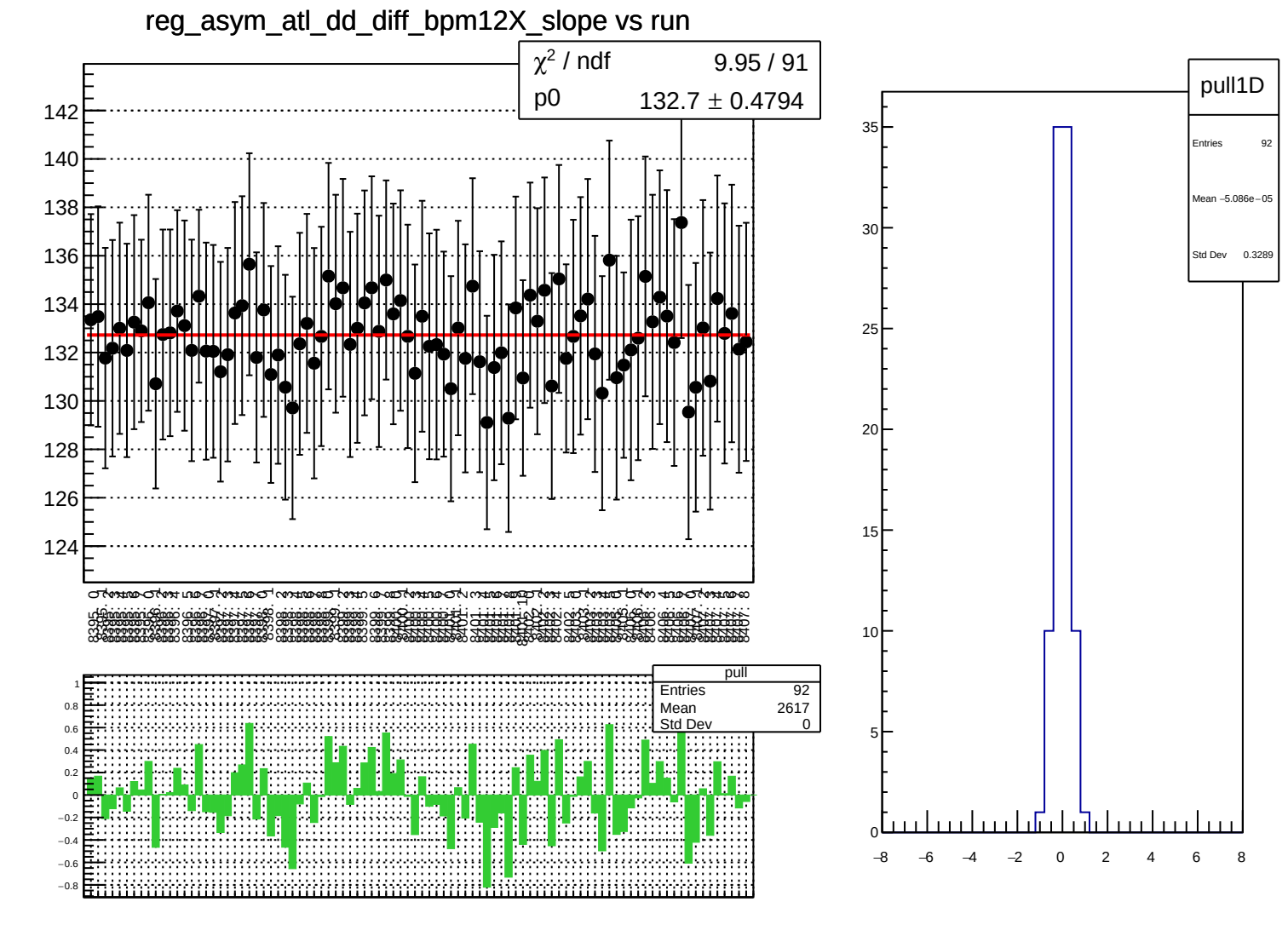

pull1D
Entries 92
Mean 0.002309
Std Dev 0.3602
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

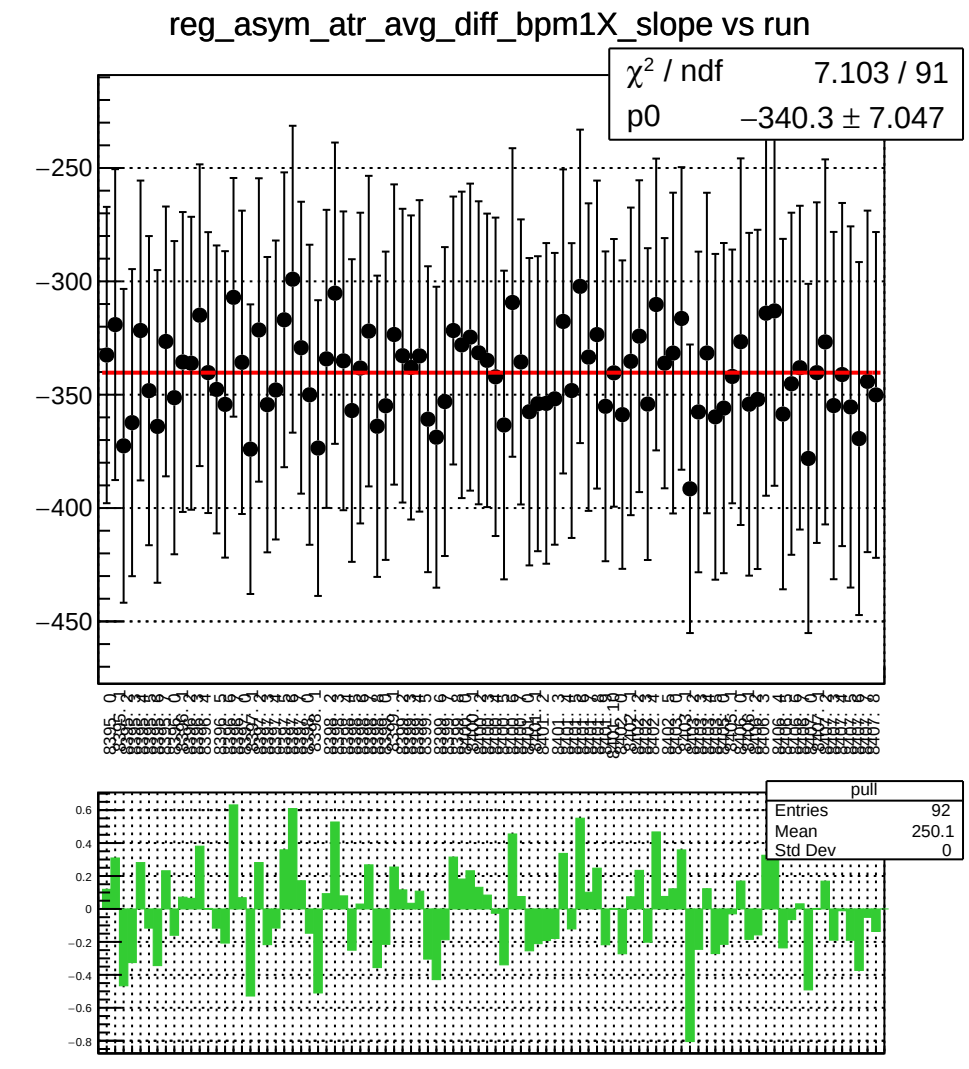

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.55 / 91
p0 −164.7 ± 4.573
pull
Entries 92
Mean 772.3
Std Dev 0

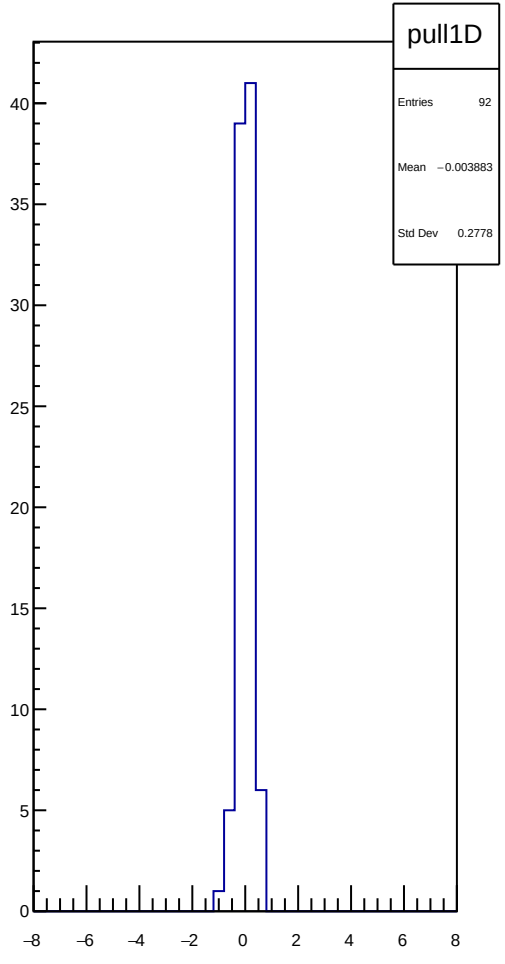

pull1D
Entries 92
Mean −0.001631
Std Dev 0.3386

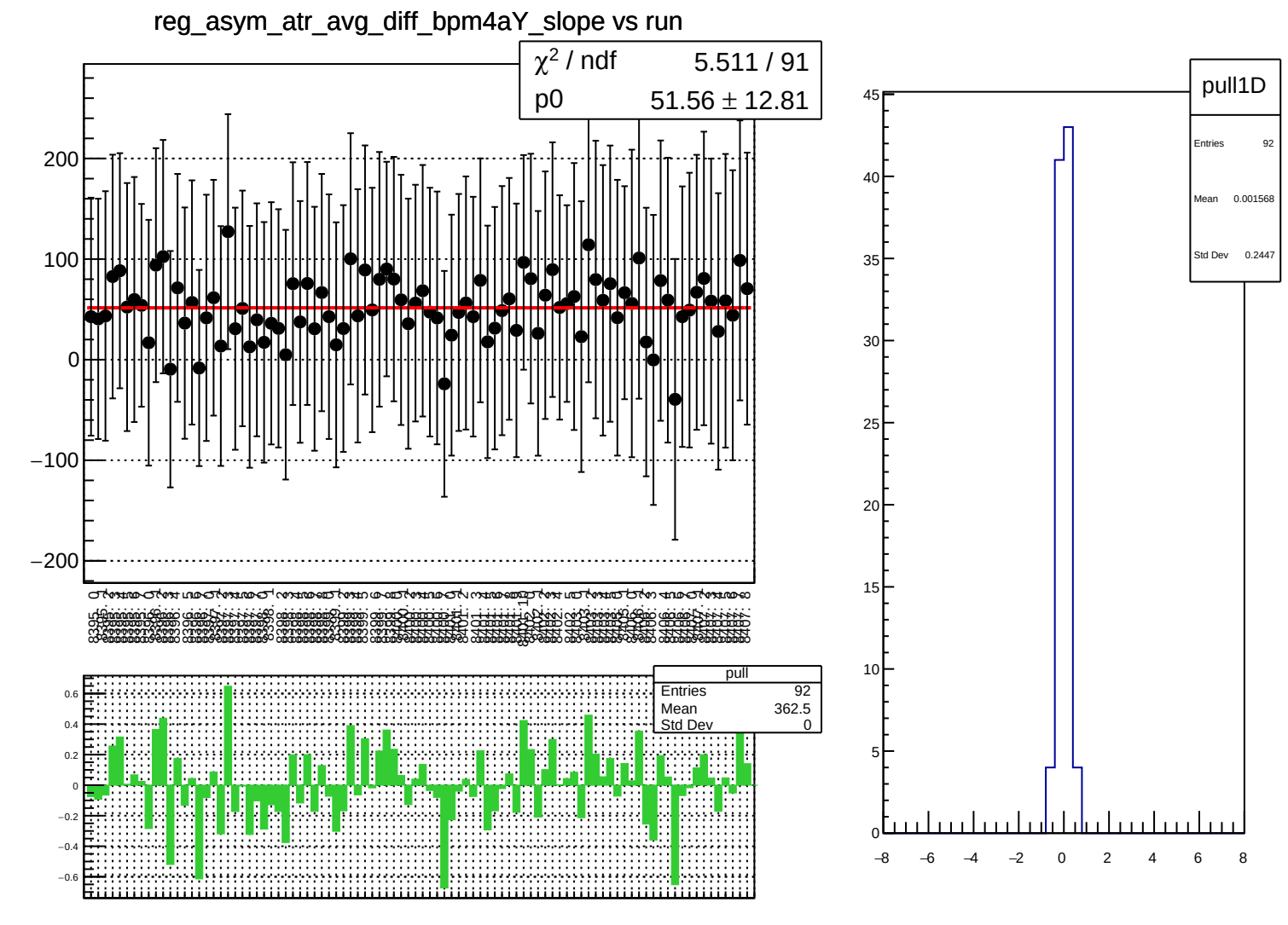

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.58 / 91
p0 −33.74 ± 7.783
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 873.4
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

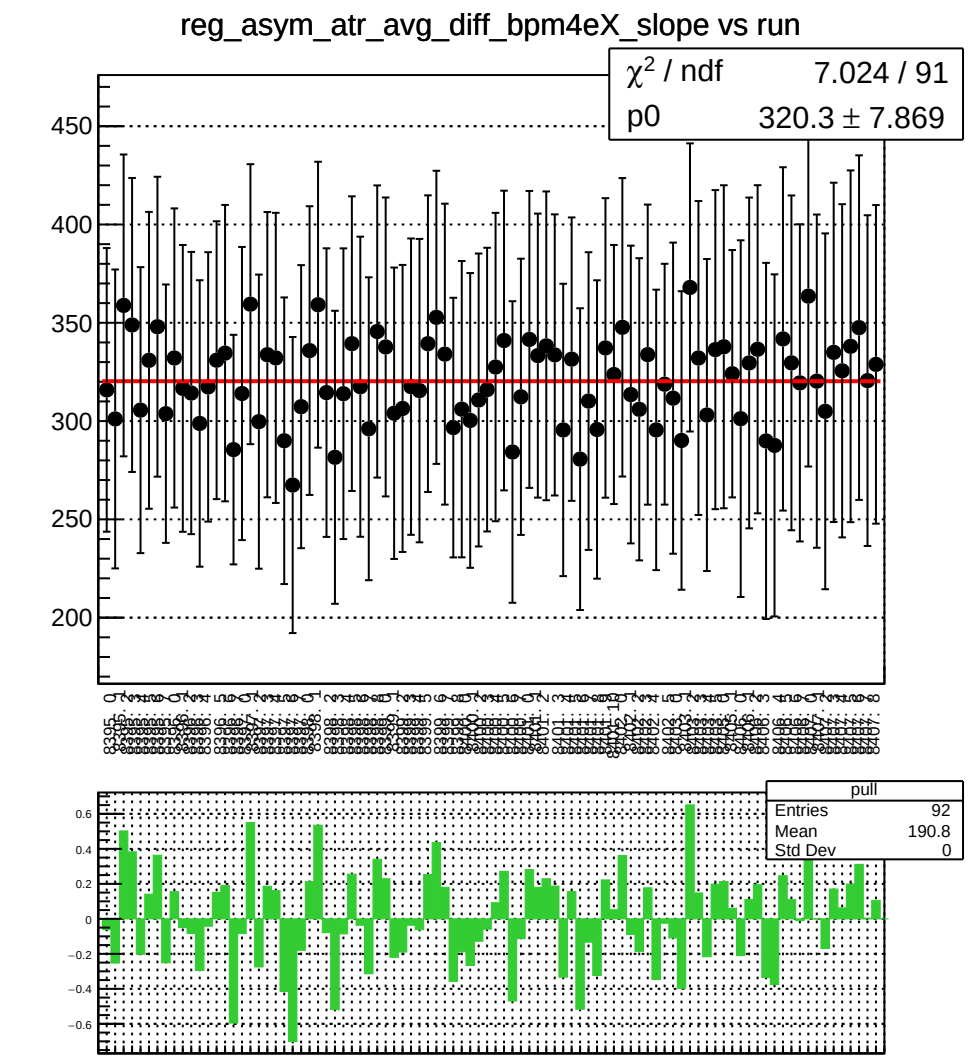

pull1D
Entries 92
Mean −0.002124
Std Dev 0.3548
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

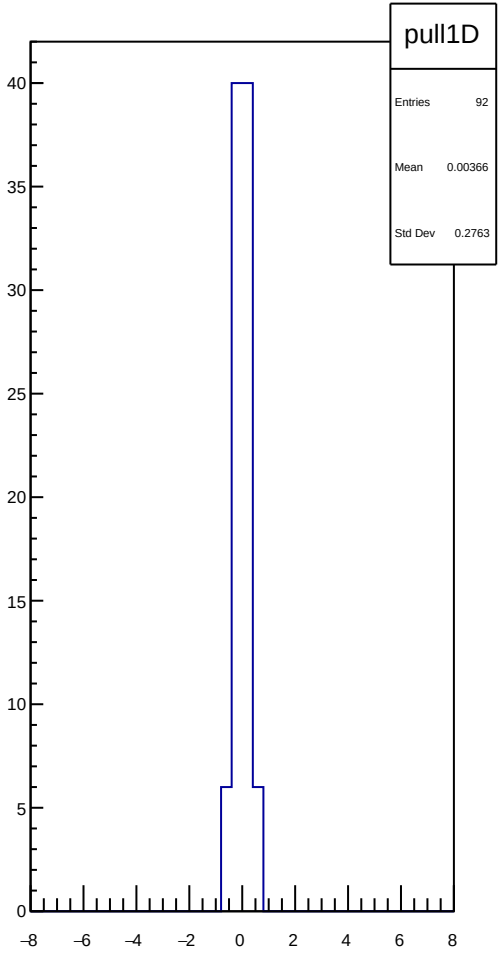

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 9.95 / 91
p0 132.7 ± 0.4794
142
140
138
136
134
132
130
128
126
124
pull
Entries 92
Mean 2617
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −5.086e−05
Std Dev 0.3289
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

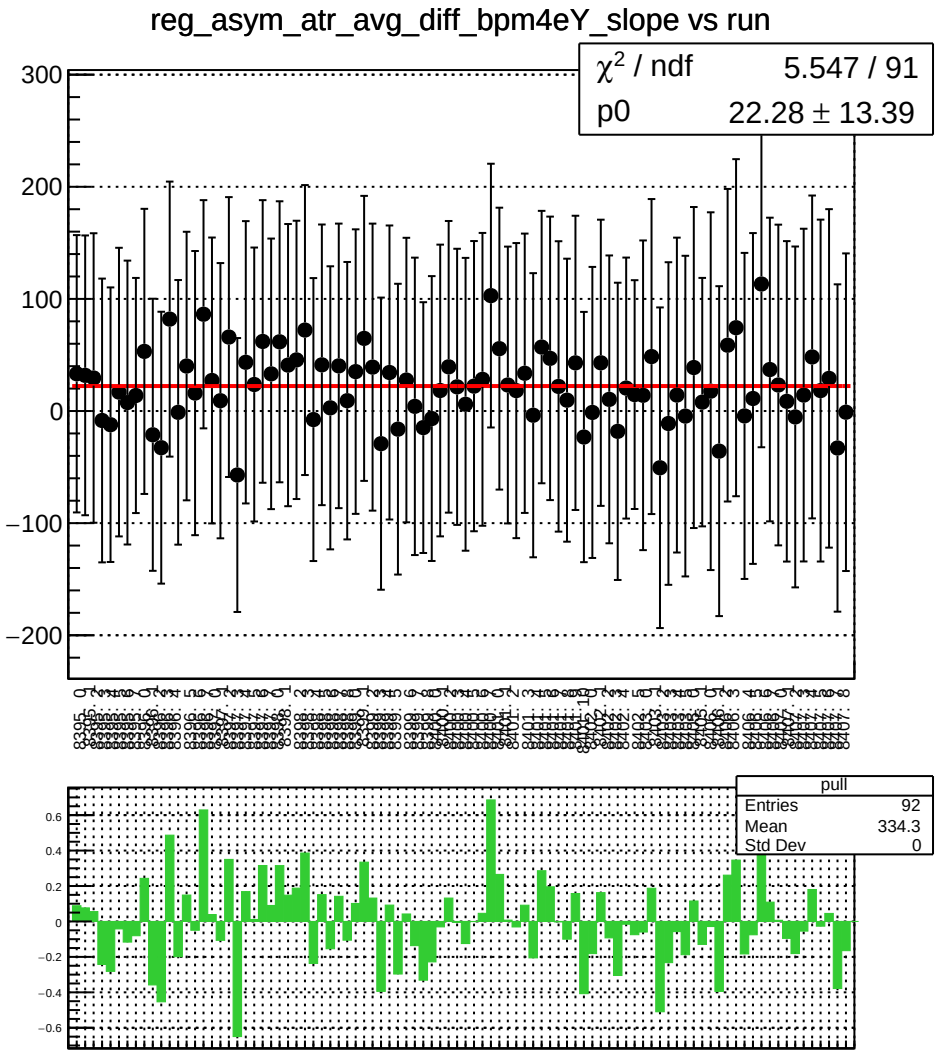

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 7.103 / 91
p0 −340.3 ± 7.047
−250
−300
−350
−400
−450
pull
Entries 92
Mean 250.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

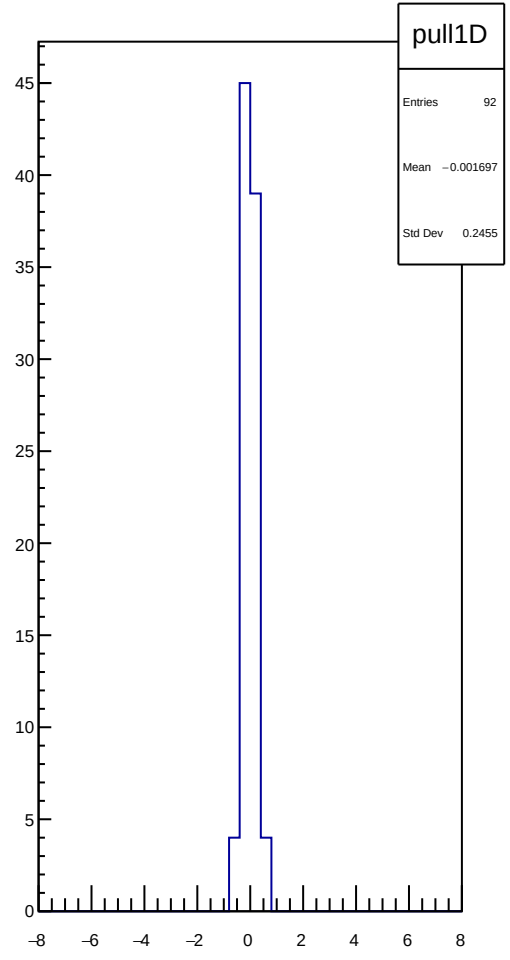

pull1D
Entries 92
Mean −0.003883
Std Dev 0.2778
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

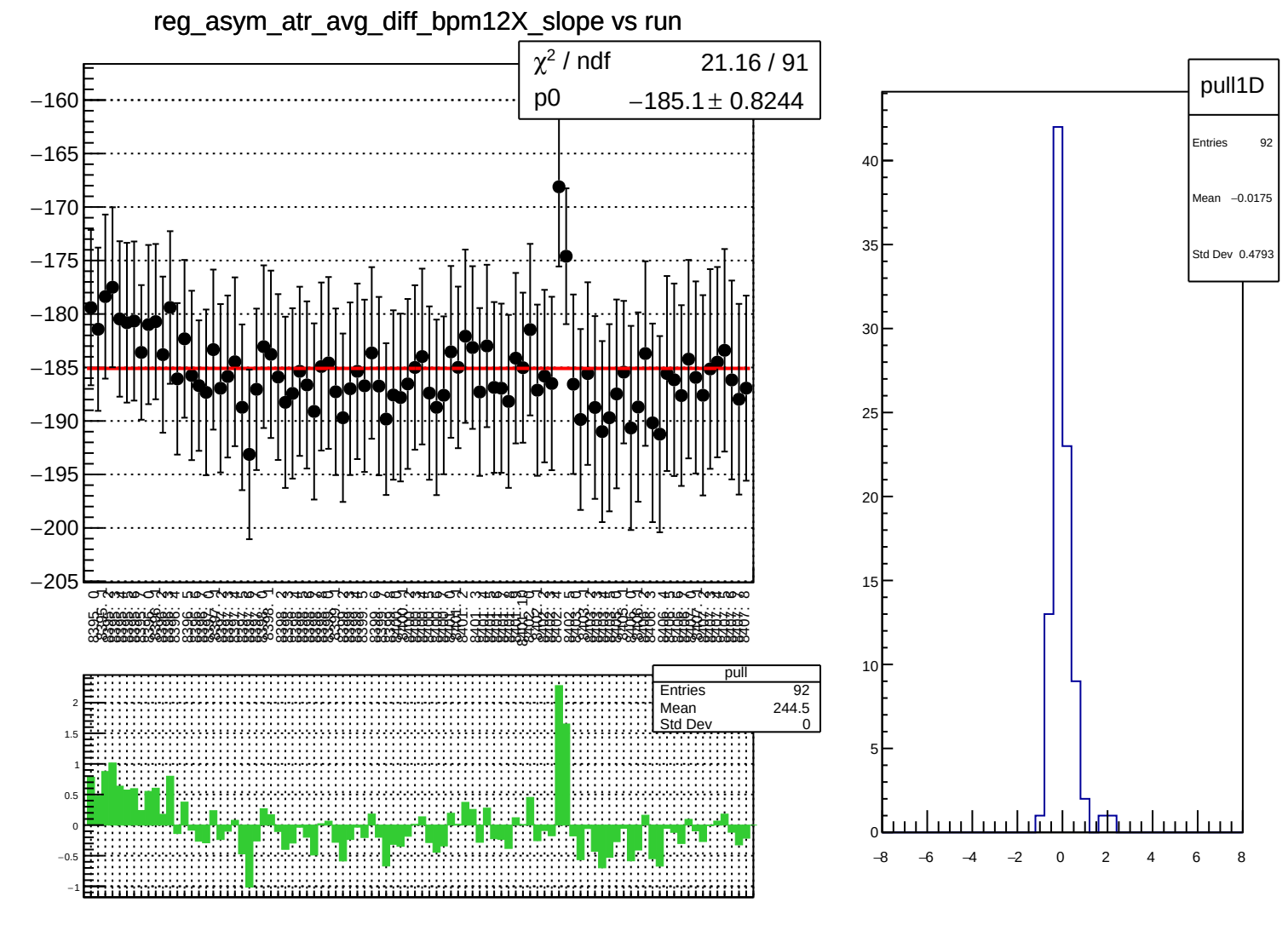

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.511 / 91
p0 51.56 ± 12.81
200
100
0
−100
−200
pull
Entries 92
Mean 362.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.001568
Std Dev 0.2447
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

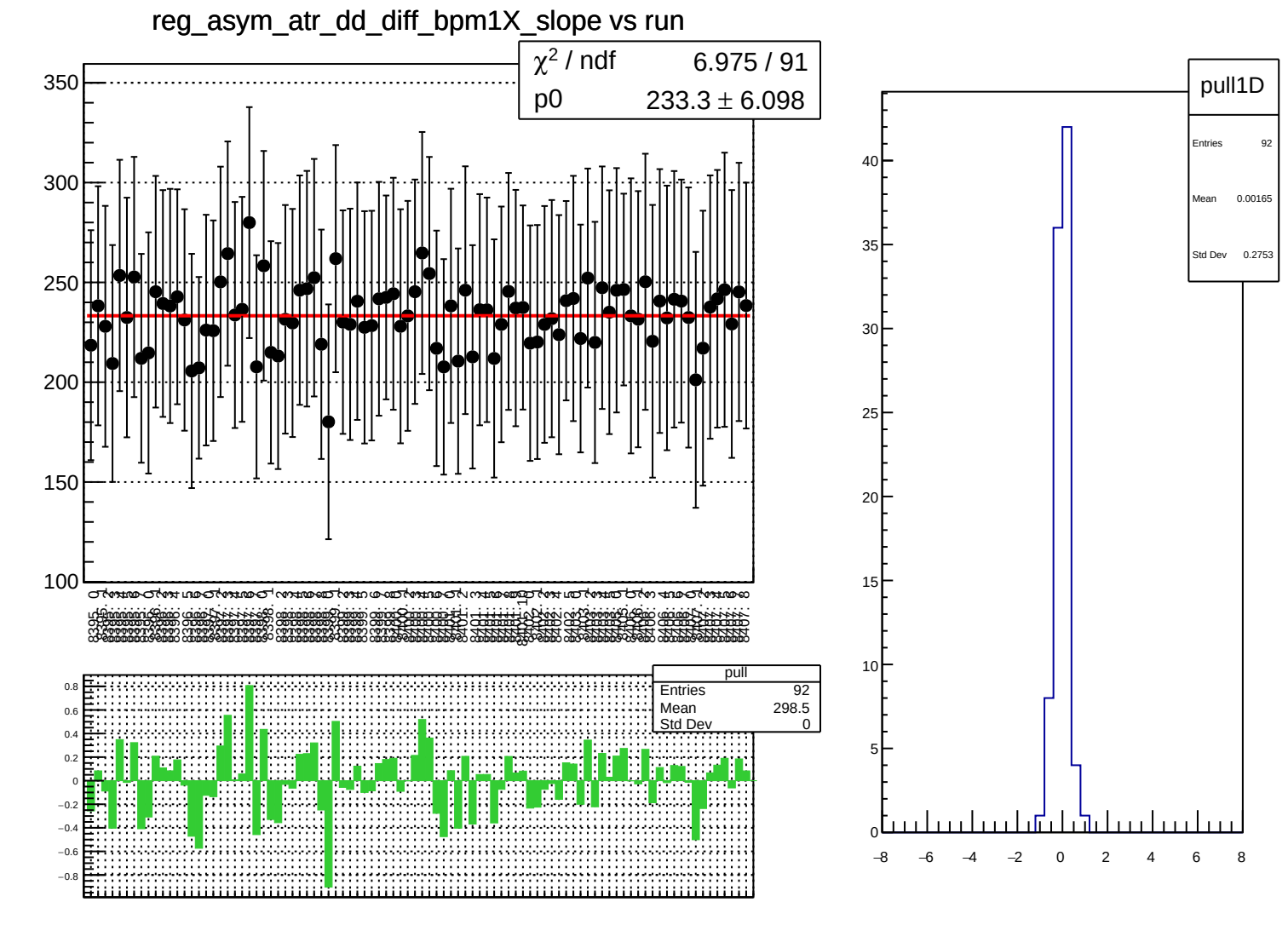

reg_asym_atr_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 7.024 / 91
p0 320.3 ± 7.869
pull
Entries 92
Mean 190.8
Std Dev 0

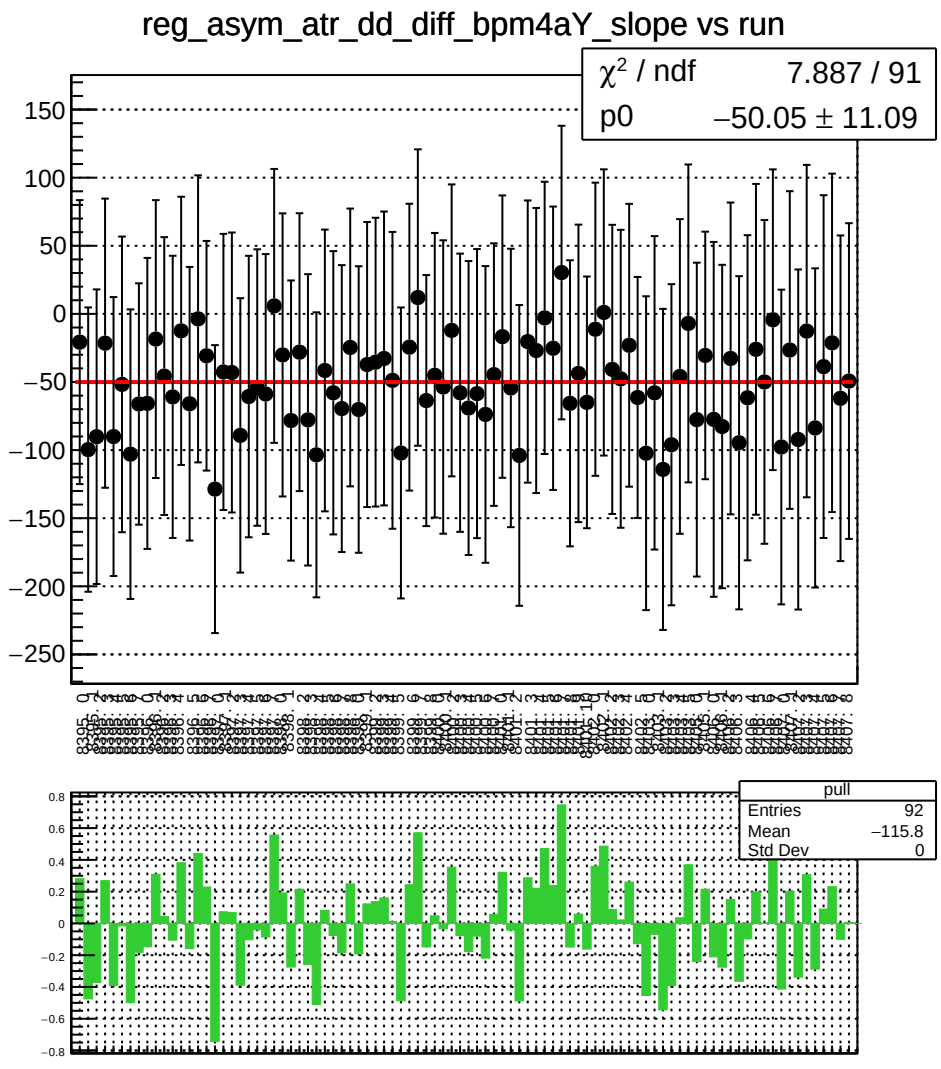

pull1D
Entries 92
Mean 0.00366
Std Dev 0.2763

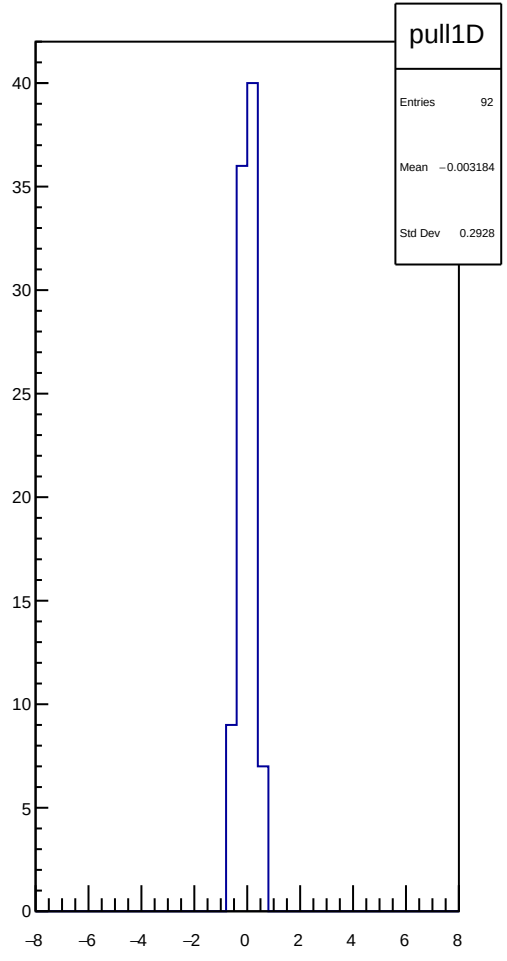

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.547 / 91
p0 22.28 ± 13.39
pull
Entries 92
Mean 334.3
Std Dev 0

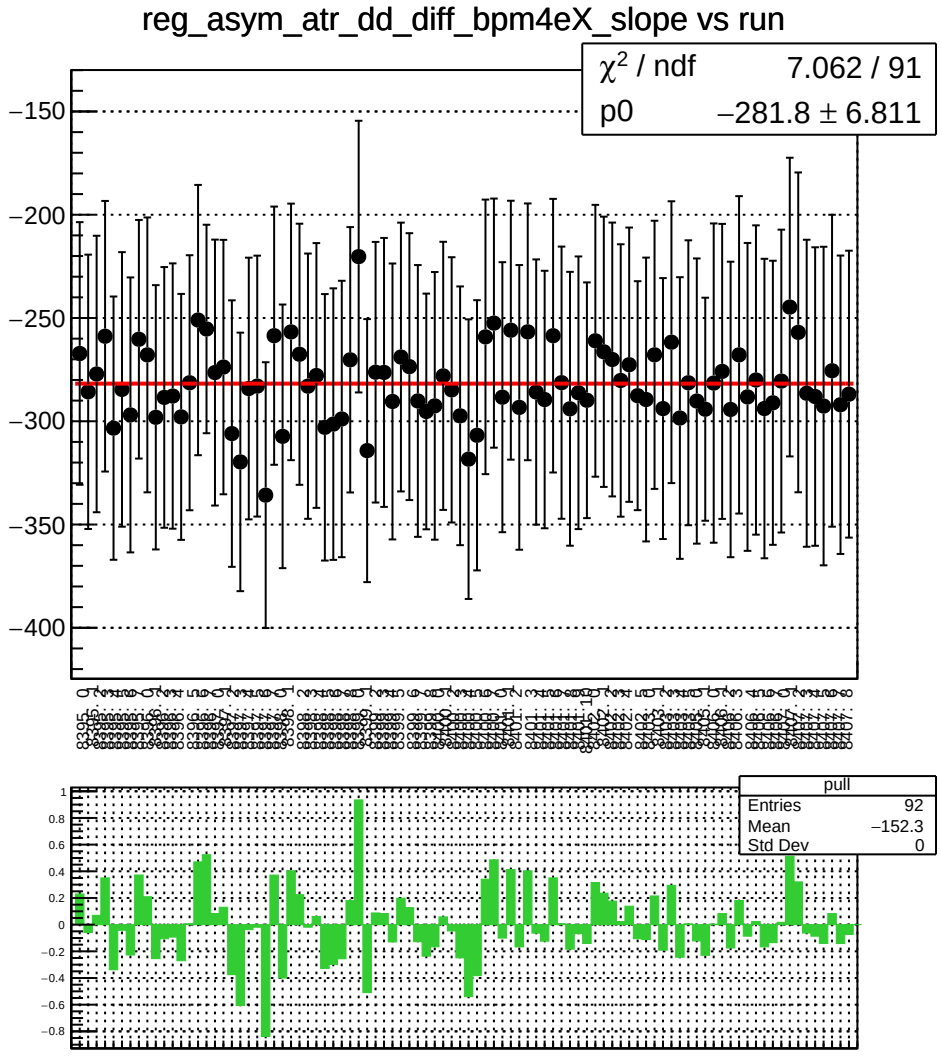

pull1D
Entries 92
Mean −0.001697
Std Dev 0.2455

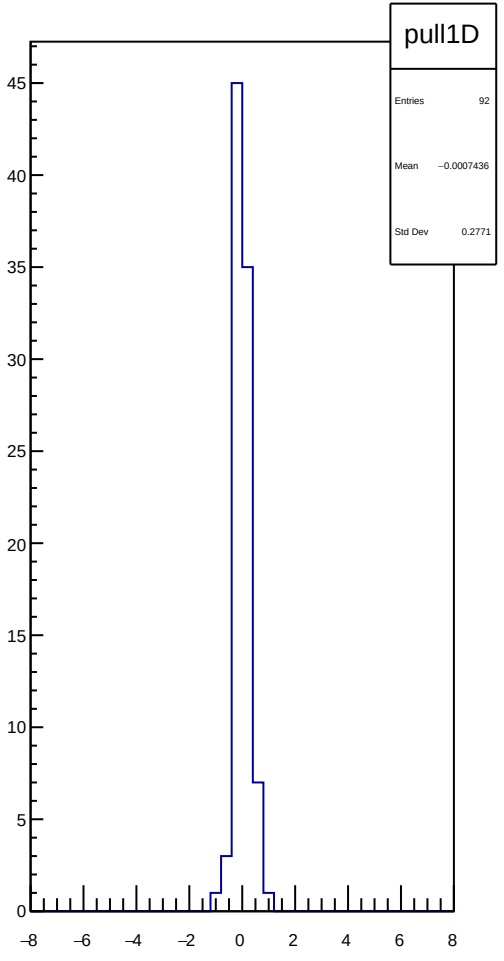

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 21.16 / 91
p0 −185.1 ± 0.8244
pull
Entries 92
Mean 244.5
Std Dev 0
pull1D
Entries 92
Mean −0.0175
Std Dev 0.4793

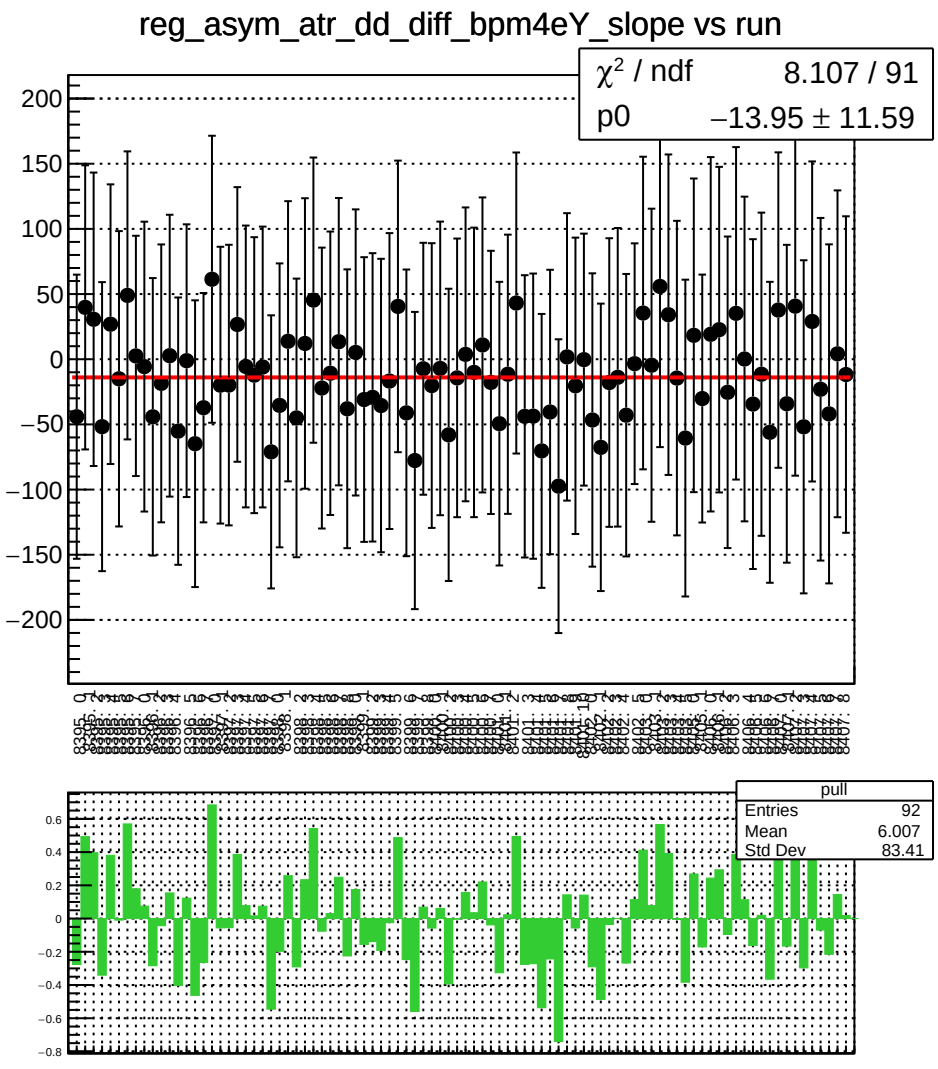

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 6.975 / 91
p0 233.3 ± 6.098
pull
Entries 92
Mean 298.5
Std Dev 0
pull1D
Entries 92
Mean 0.00165
Std Dev 0.2753

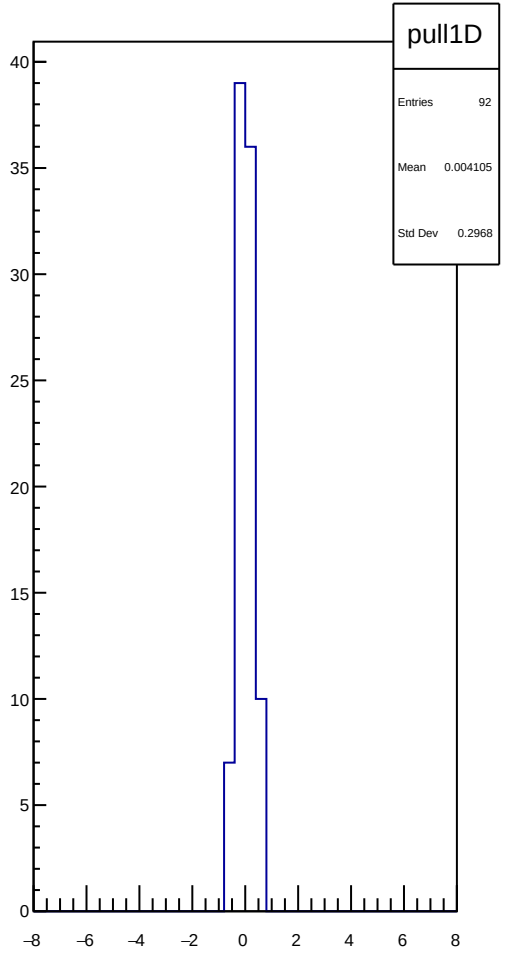

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.887 / 91
p0 −50.05 ± 11.09
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 92
Mean −115.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

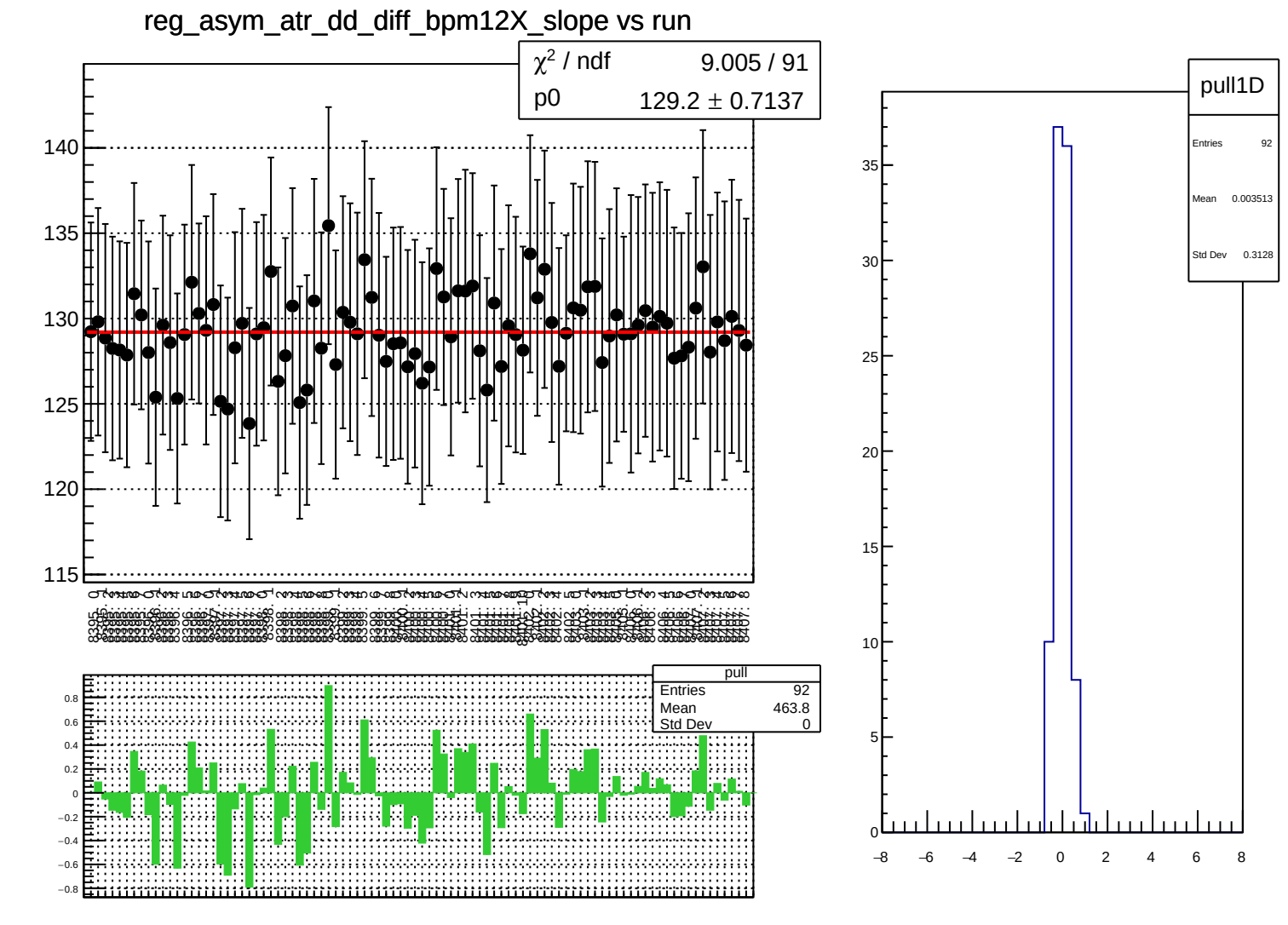

pull1D
Entries 92
Mean −0.003184
Std Dev 0.2928
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

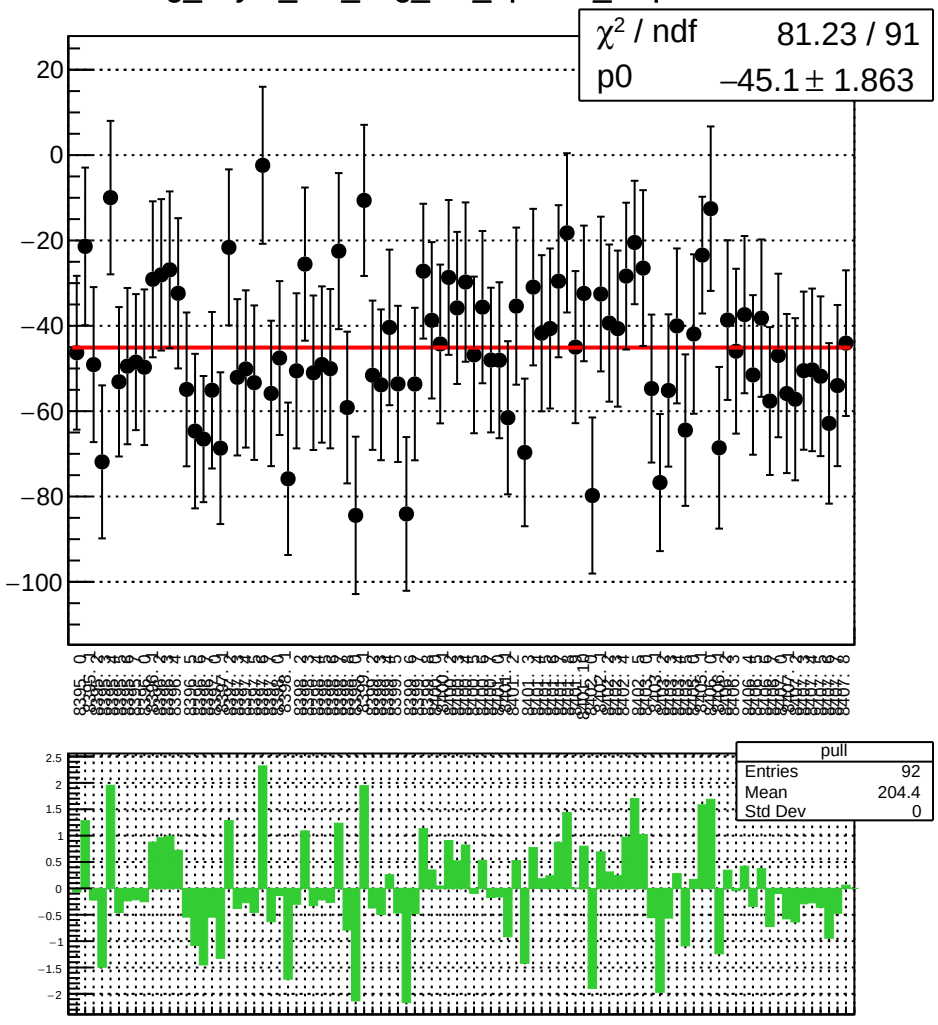

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.062 / 91
p0 −281.8 ± 6.811
−150
−200
−250
−300
−350
−400
pull
Entries 92
Mean −152.3
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

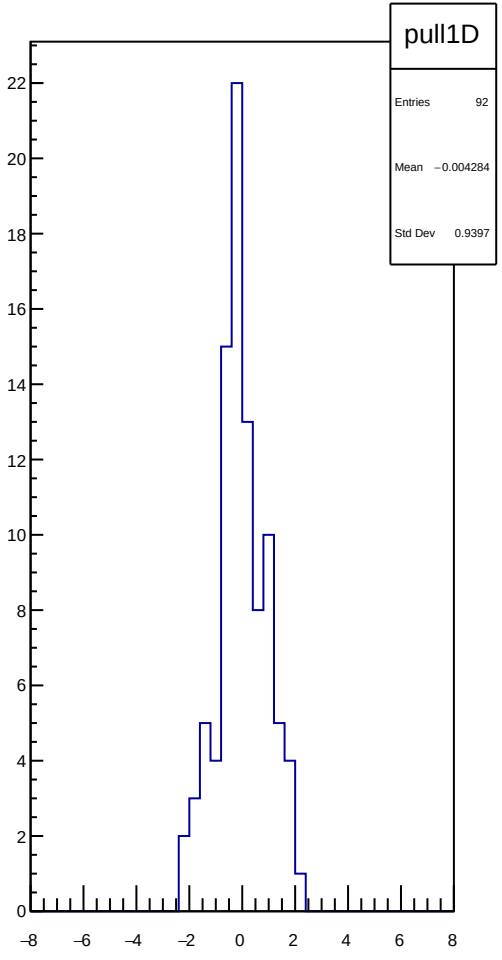

pull1D
Entries 92
Mean −0.0007436
Std Dev 0.2771
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

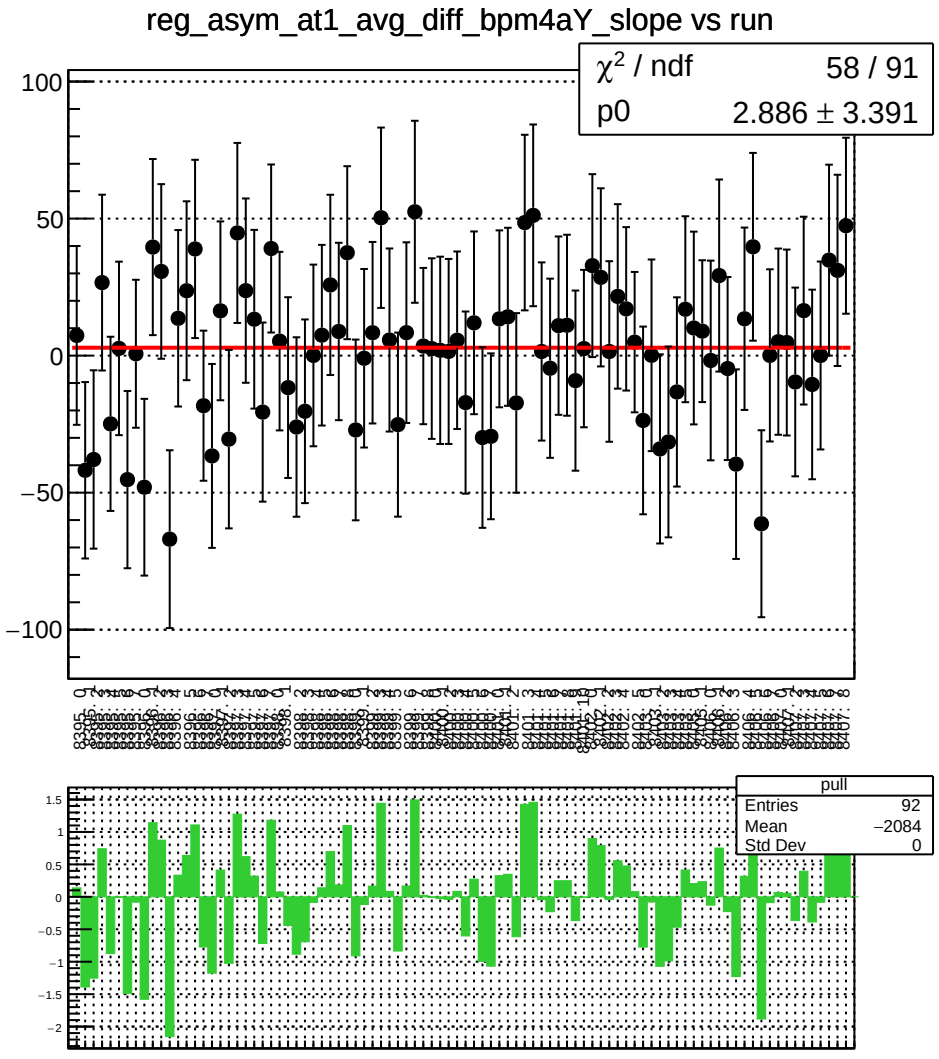

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.107 / 91
p0 −13.95 ± 11.59
pull
Entries 92
Mean 6.007
Std Dev 83.41

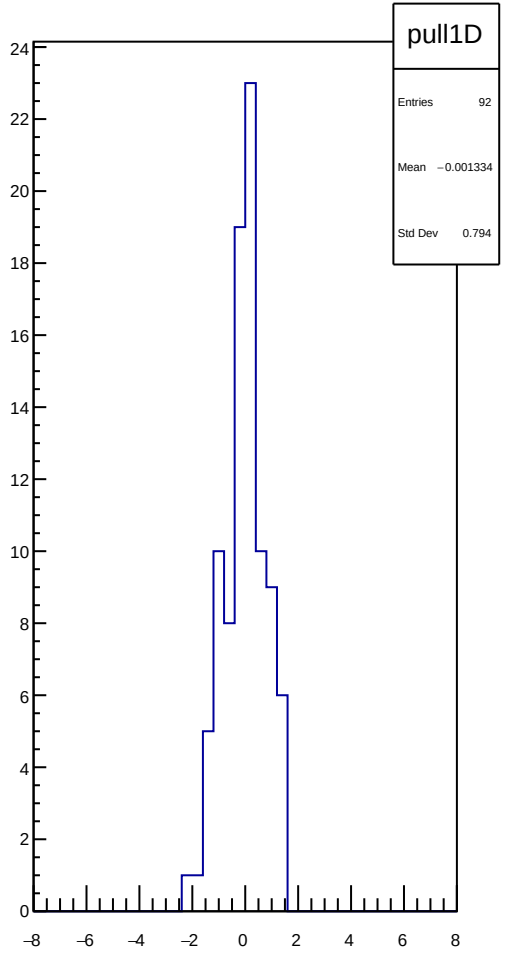

pull1D
Entries 92
Mean 0.004105
Std Dev 0.2968

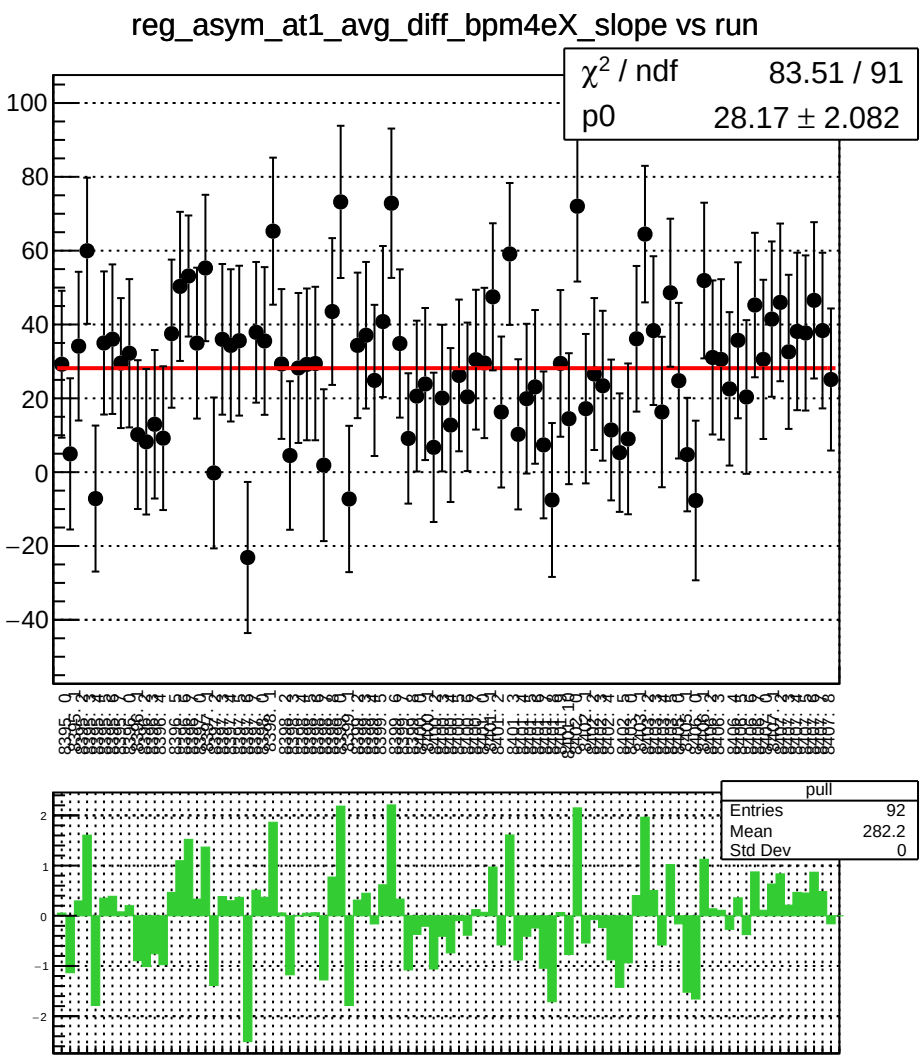

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 9.005 / 91
p0 129.2 ± 0.7137
140
135
130
125
120
115
pull
Entries 92
Mean 463.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean 0.003513
Std Dev 0.3128
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

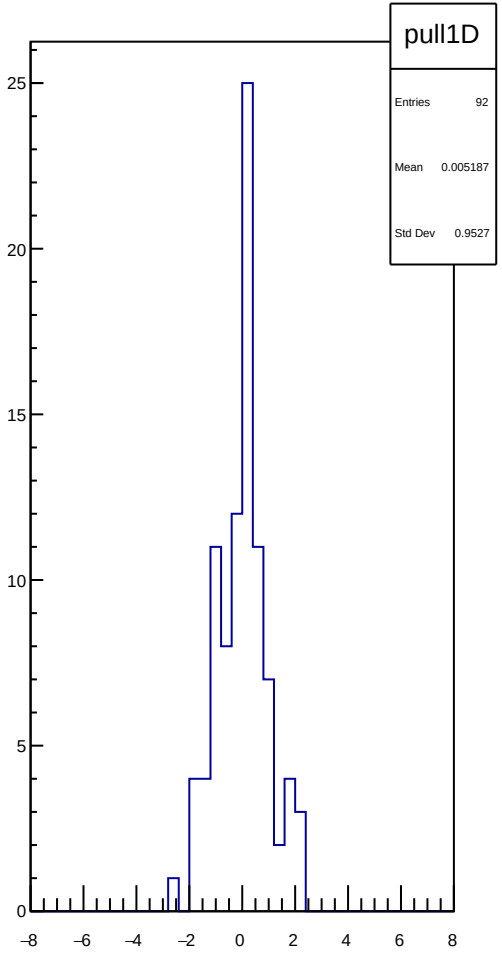

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 81.23 / 91
p0 −45.1 ± 1.863
pull
Entries 92
Mean 204.4
Std Dev 0

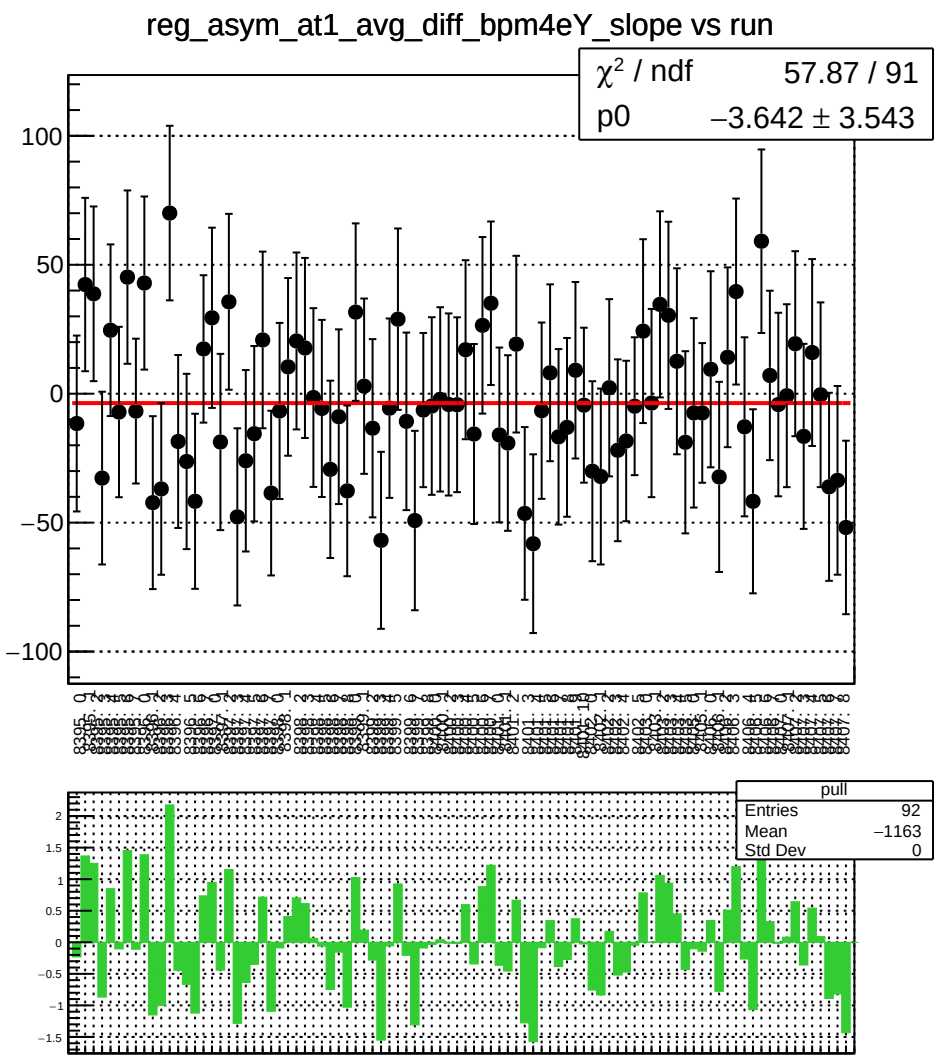

pull1D
Entries 92
Mean −0.004284
Std Dev 0.9397

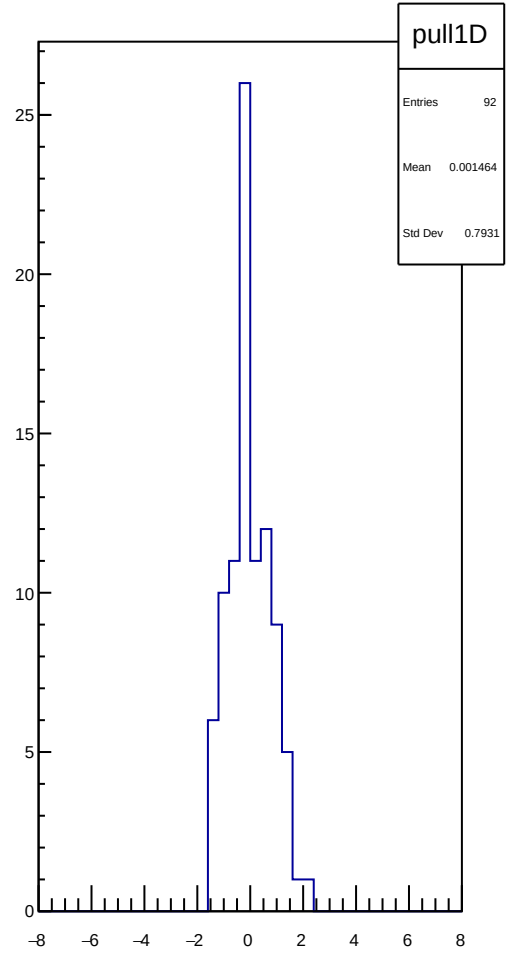

reg_asym_at1_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 58 / 91
p0 2.886 ± 3.391
100
50
0
−50
−100
pull
Entries 92
Mean −2084
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

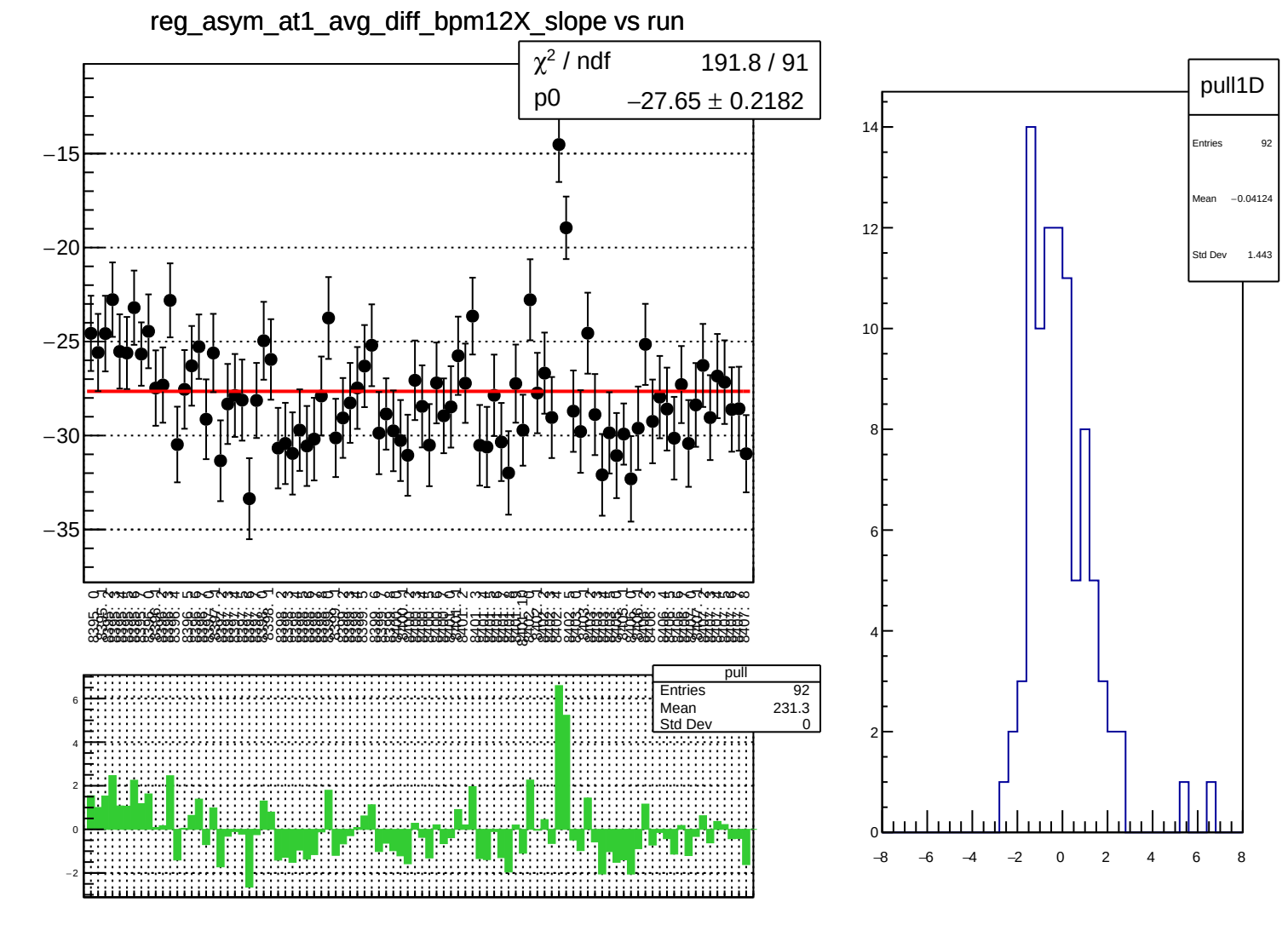

pull1D
Entries 92
Mean −0.001334
Std Dev 0.794
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

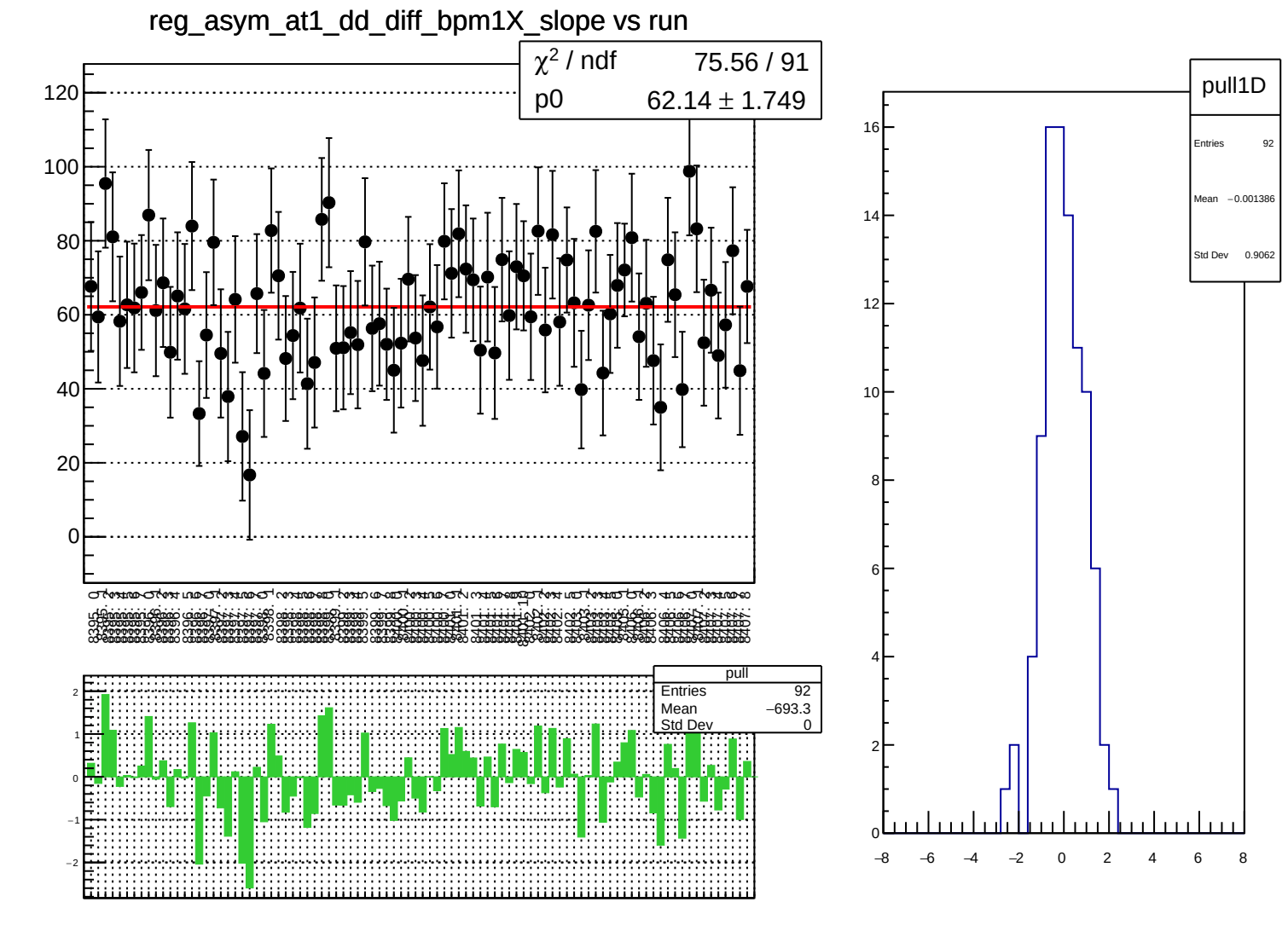

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.51 / 91
p0 28.17 ± 2.082
pull
Entries 92
Mean 282.2
Std Dev 0

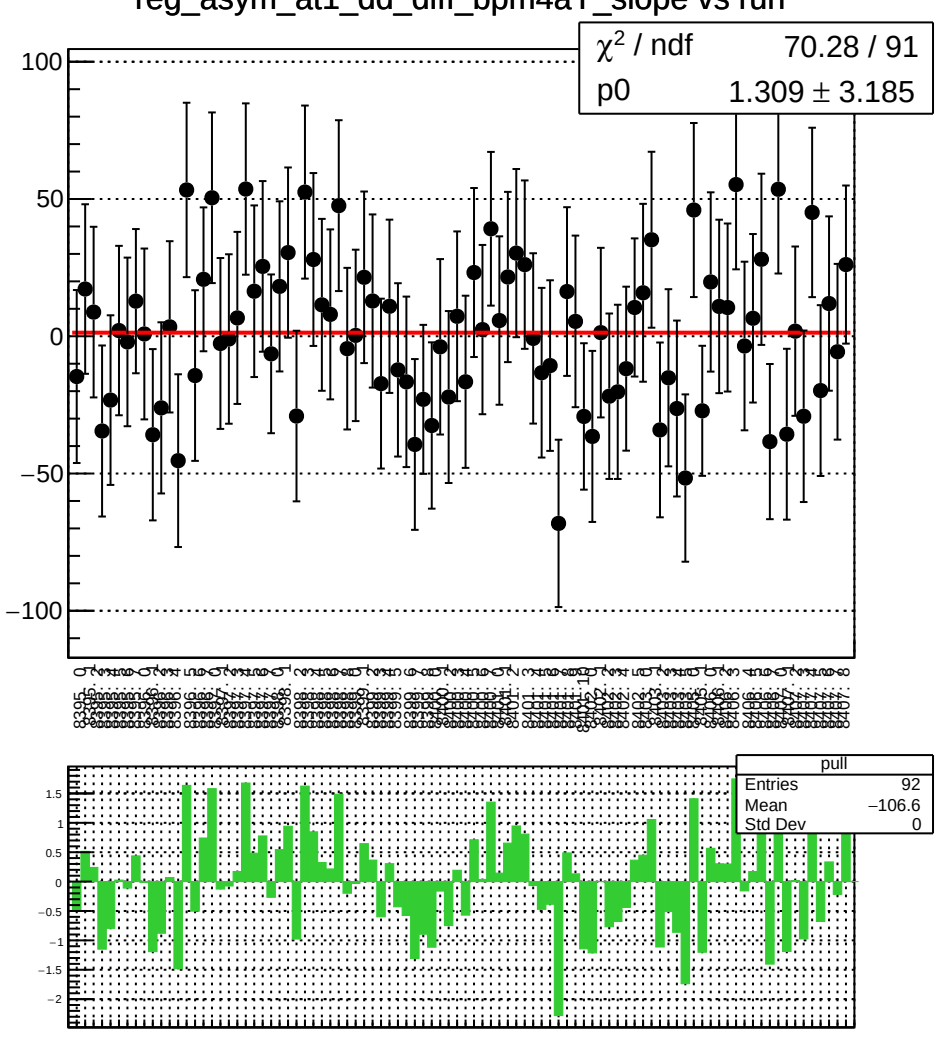

pull1D
Entries 92
Mean 0.005187
Std Dev 0.9527

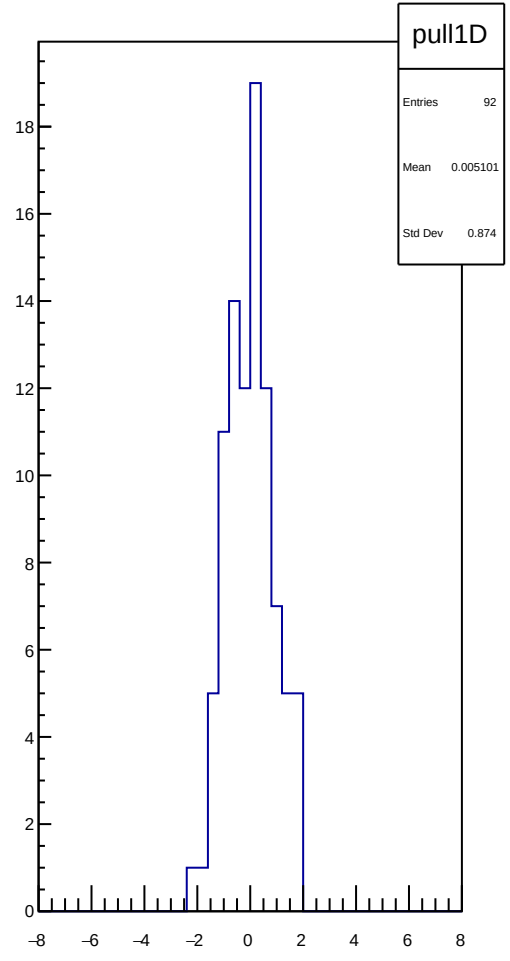

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.87 / 91
p0 −3.642 ± 3.543
100
50
0
−50
−100
pull
Entries 92
Mean −1163
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

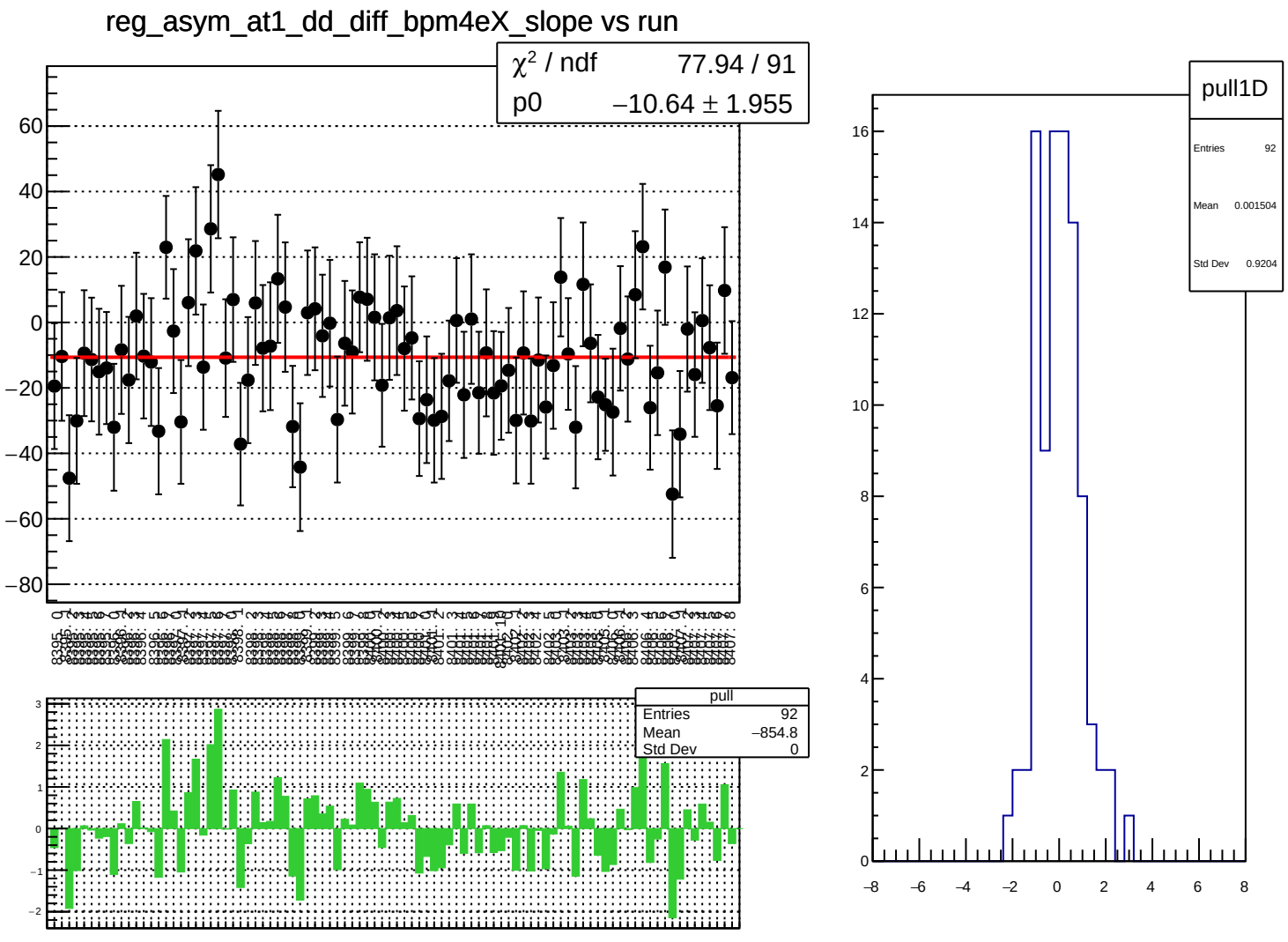

pull1D
Entries 92
Mean 0.001464
Std Dev 0.7931
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

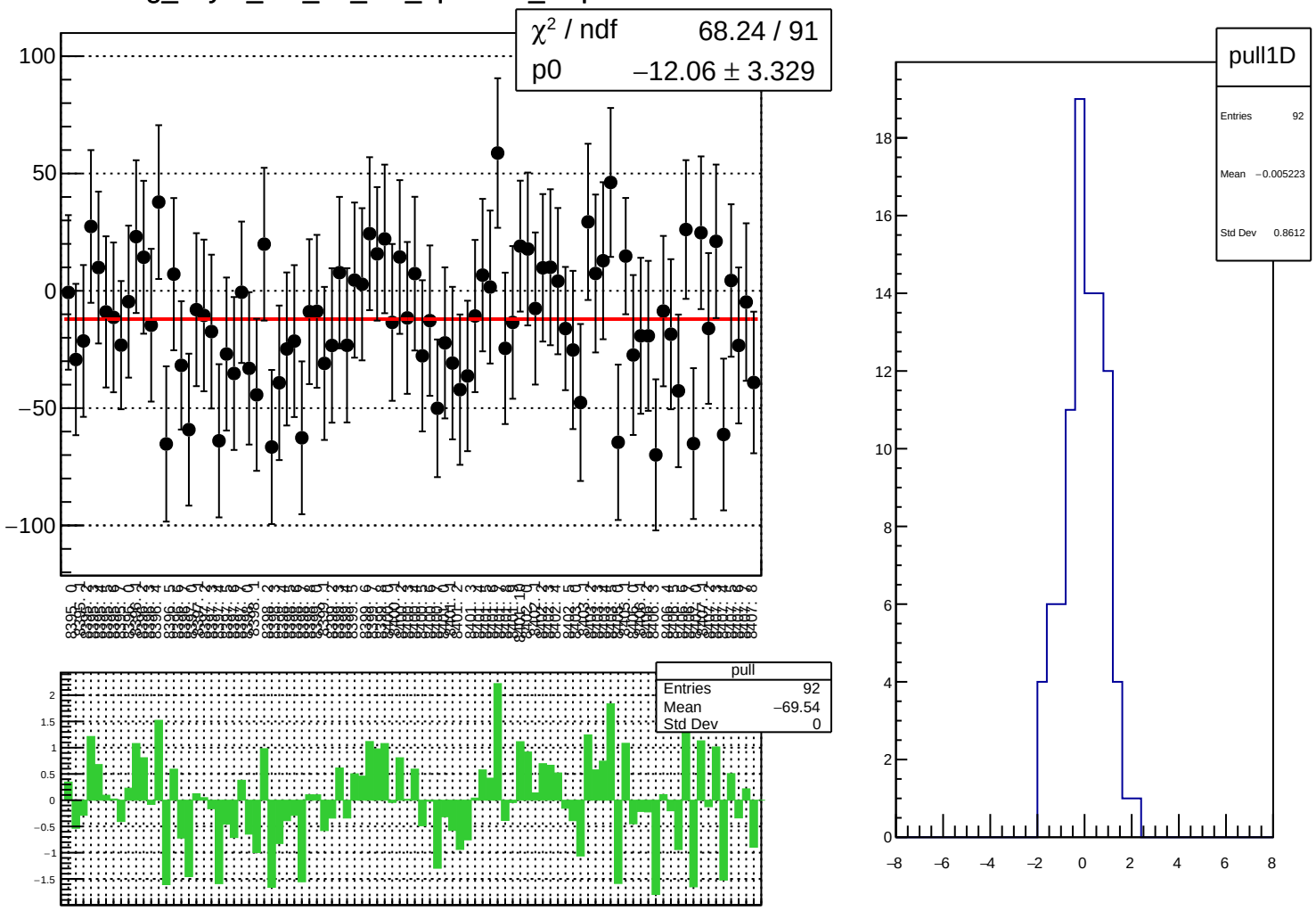

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 191.8 / 91
p0 −27.65 ± 0.2182
pull
Entries 92
Mean 231.3
Std Dev 0
pull1D
Entries 92
Mean −0.04124
Std Dev 1.443

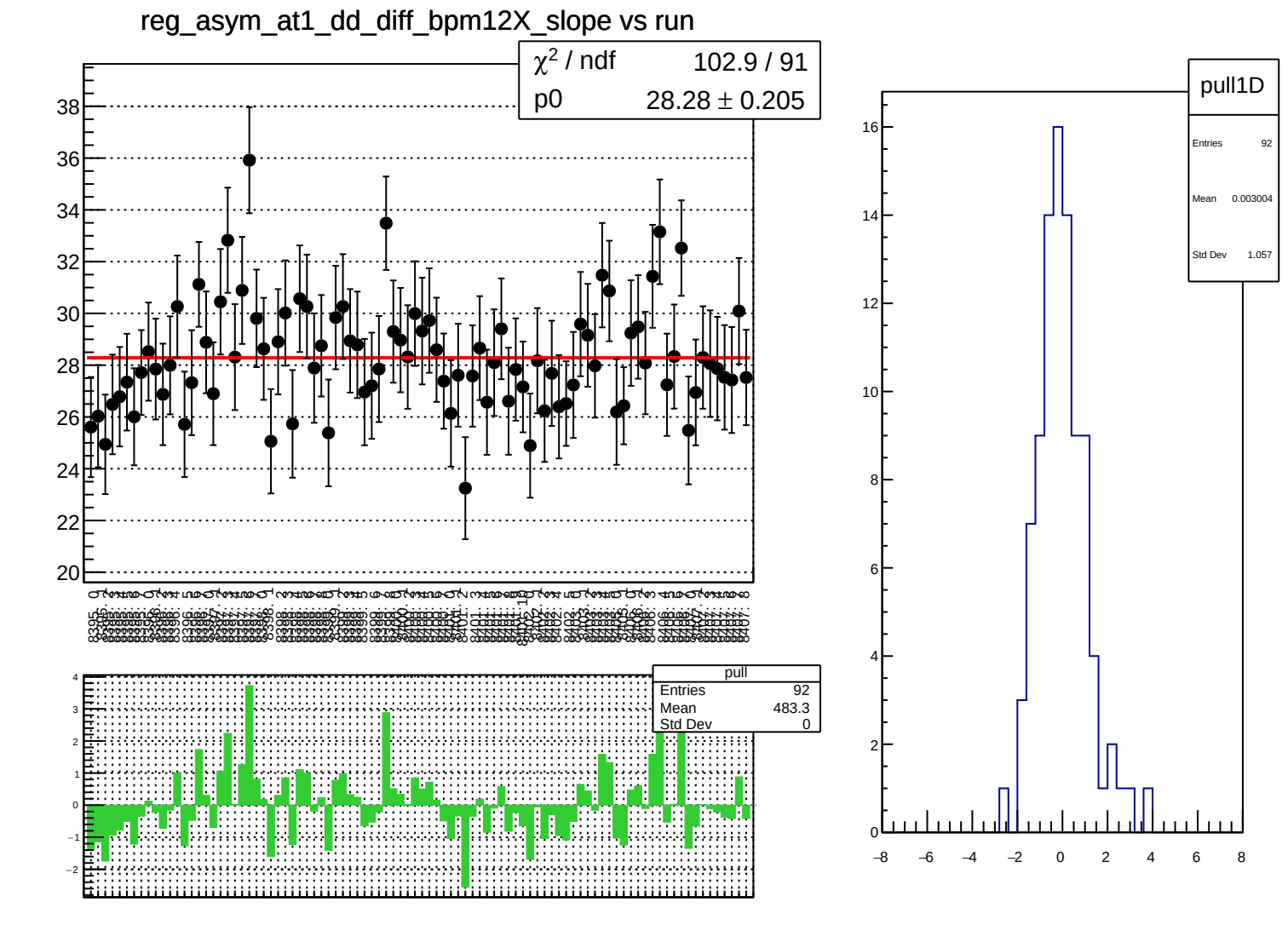

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 75.56 / 91
p0 62.14 ± 1.749
pull
Entries 92
Mean −693.3
Std Dev 0
pull1D
Entries 92
Mean −0.001386
Std Dev 0.9062

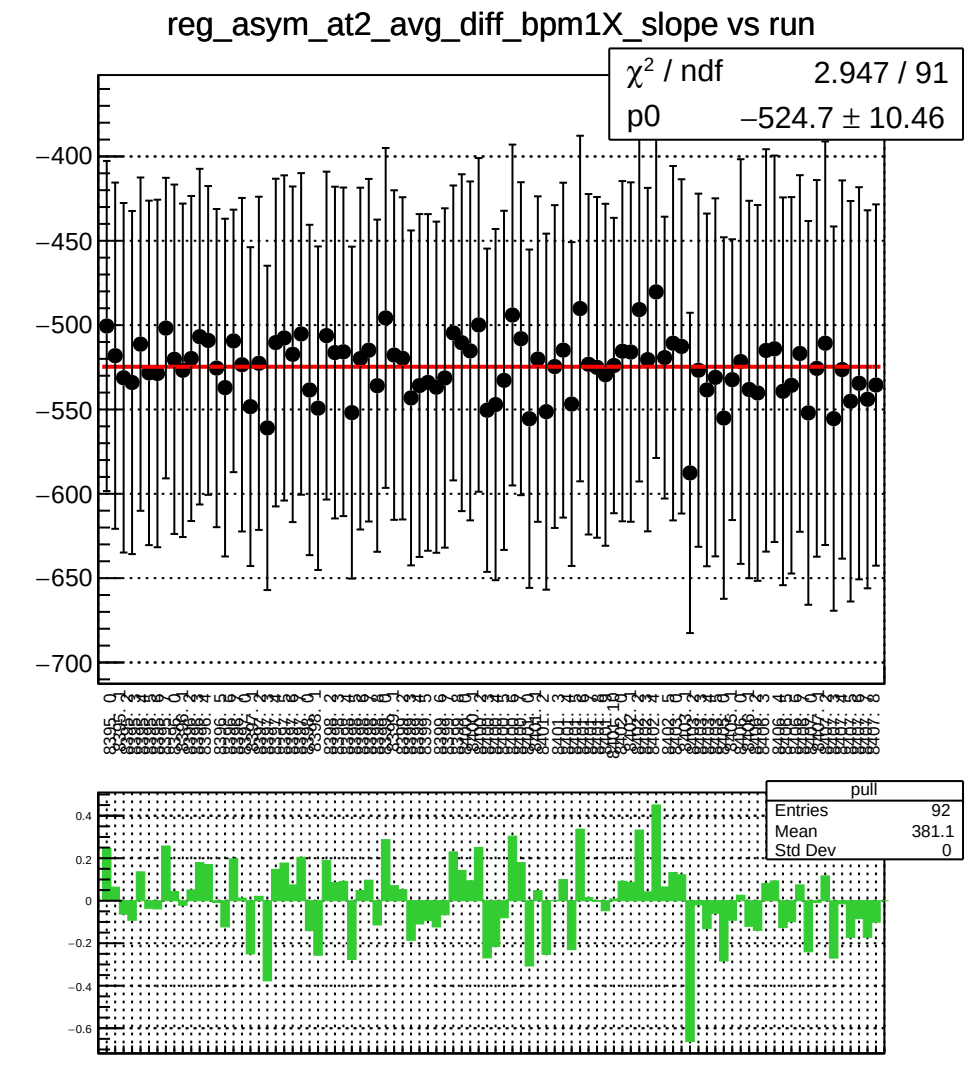

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.28 / 91
p0 1.309 ± 3.185
100
50
0
−50
−100
pull
Entries 92
Mean −106.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

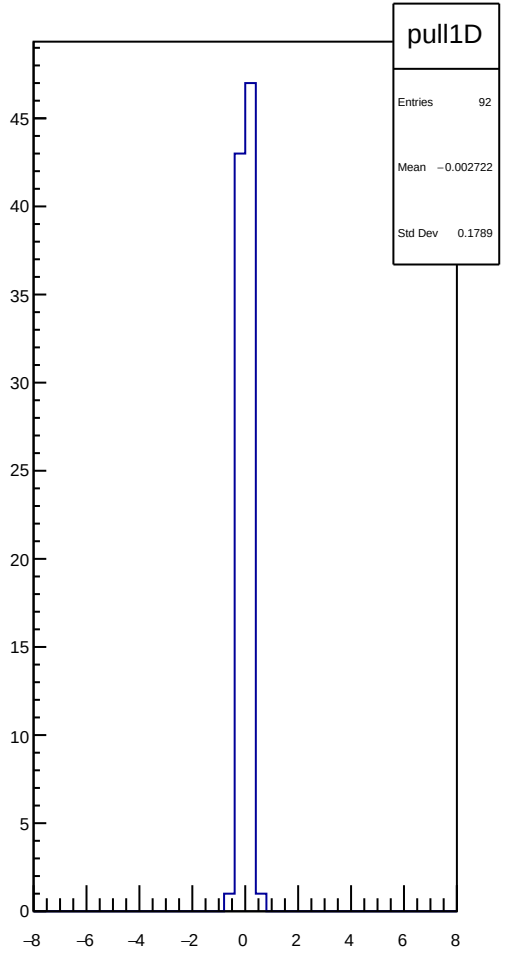

pull1D
Entries 92
Mean 0.005101
Std Dev 0.874
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

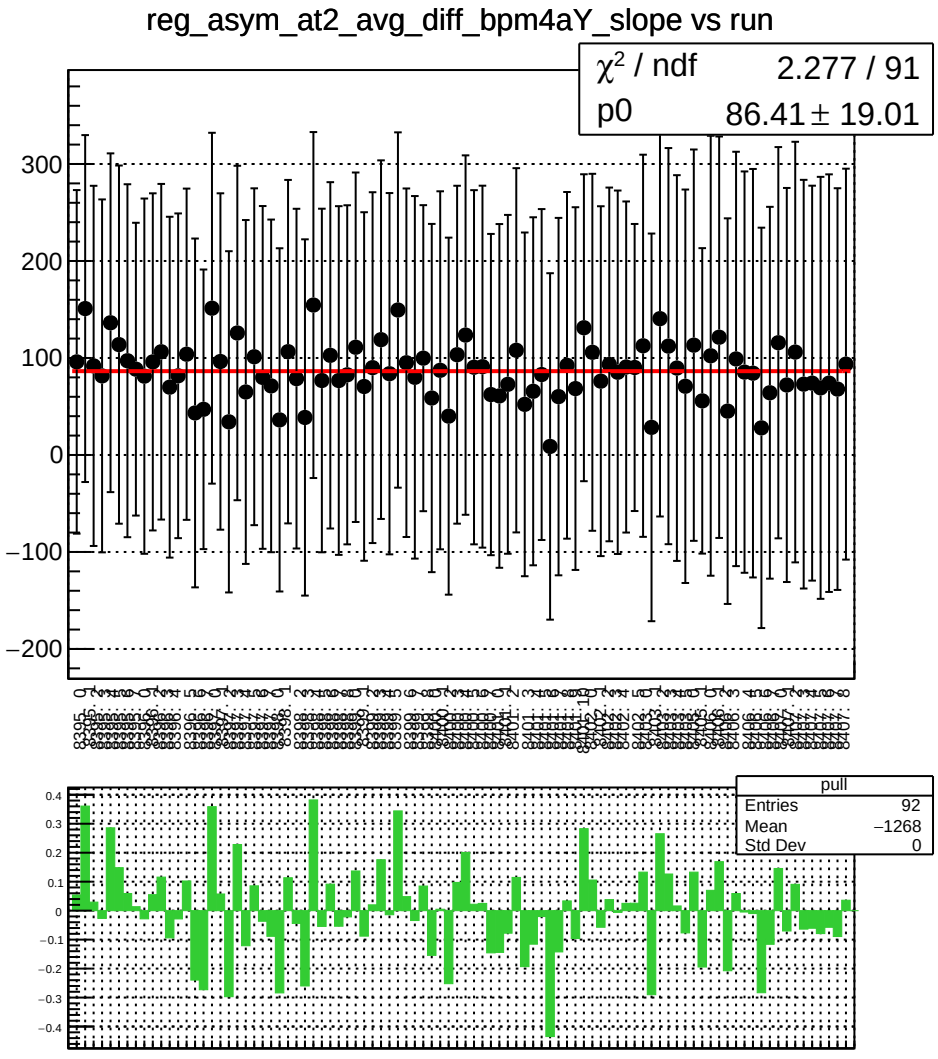

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.94 / 91
p0 −10.64 ± 1.955
pull
Entries 92
Mean −854.8
Std Dev 0
pull1D
Entries 92
Mean 0.001504
Std Dev 0.9204

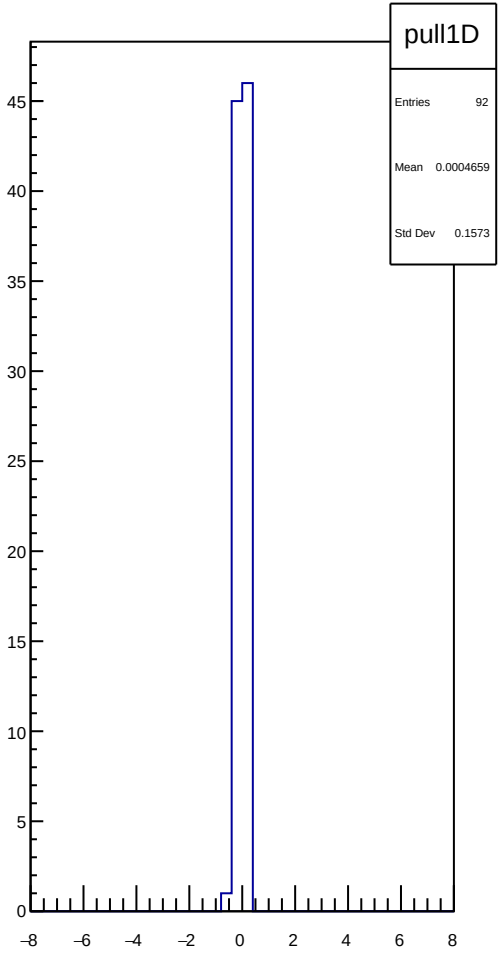

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.24 / 91
p0 −12.06 ± 3.329
100
50
0
−50
−100
pull
Entries 92
Mean −69.54
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.005223
Std Dev 0.8612
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

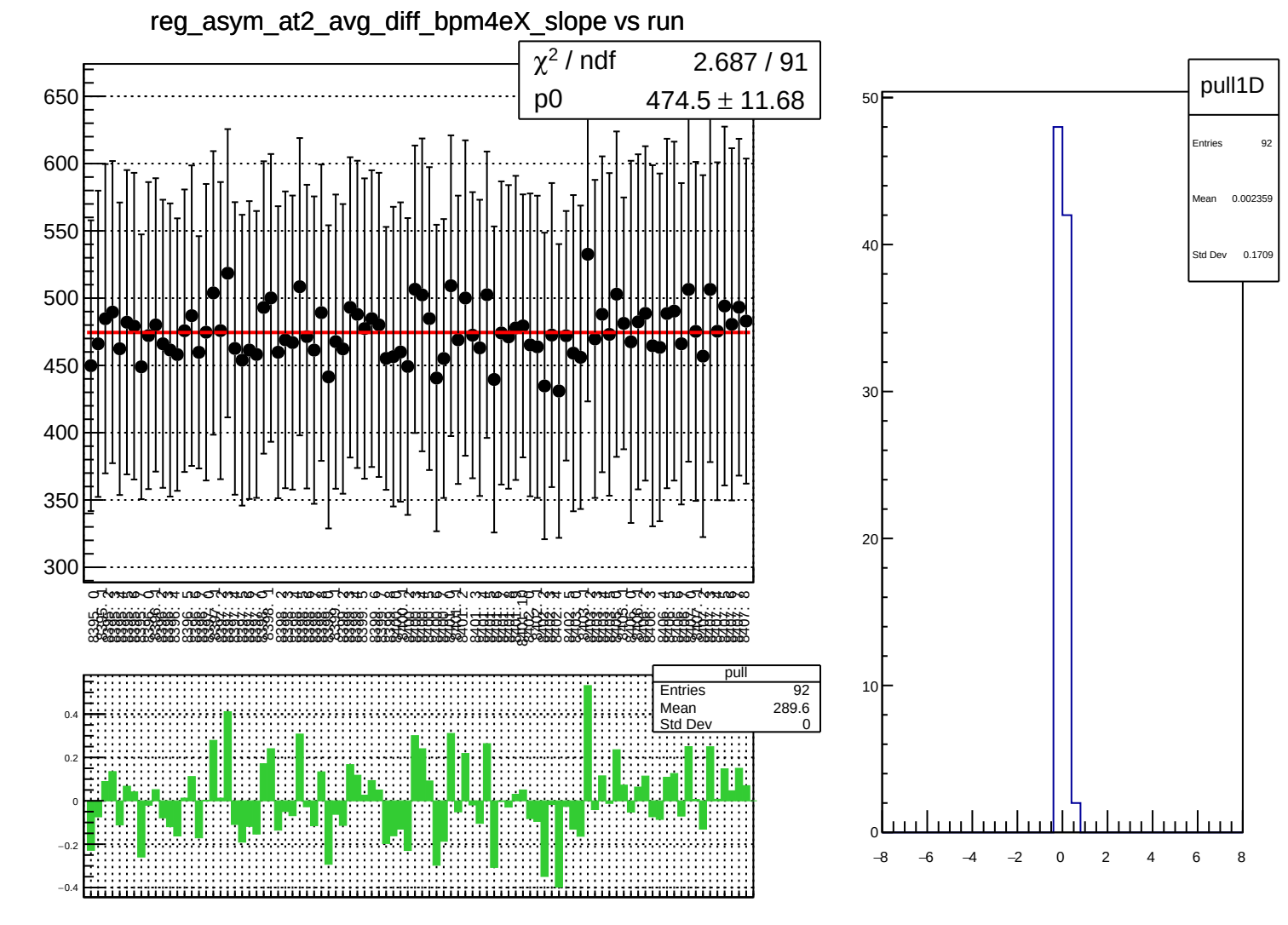

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 102.9 / 91
p0 28.28 ± 0.205
pull
Entries 92
Mean 483.3
Std Dev 0
pull1D
Entries 92
Mean 0.003004
Std Dev 1.057

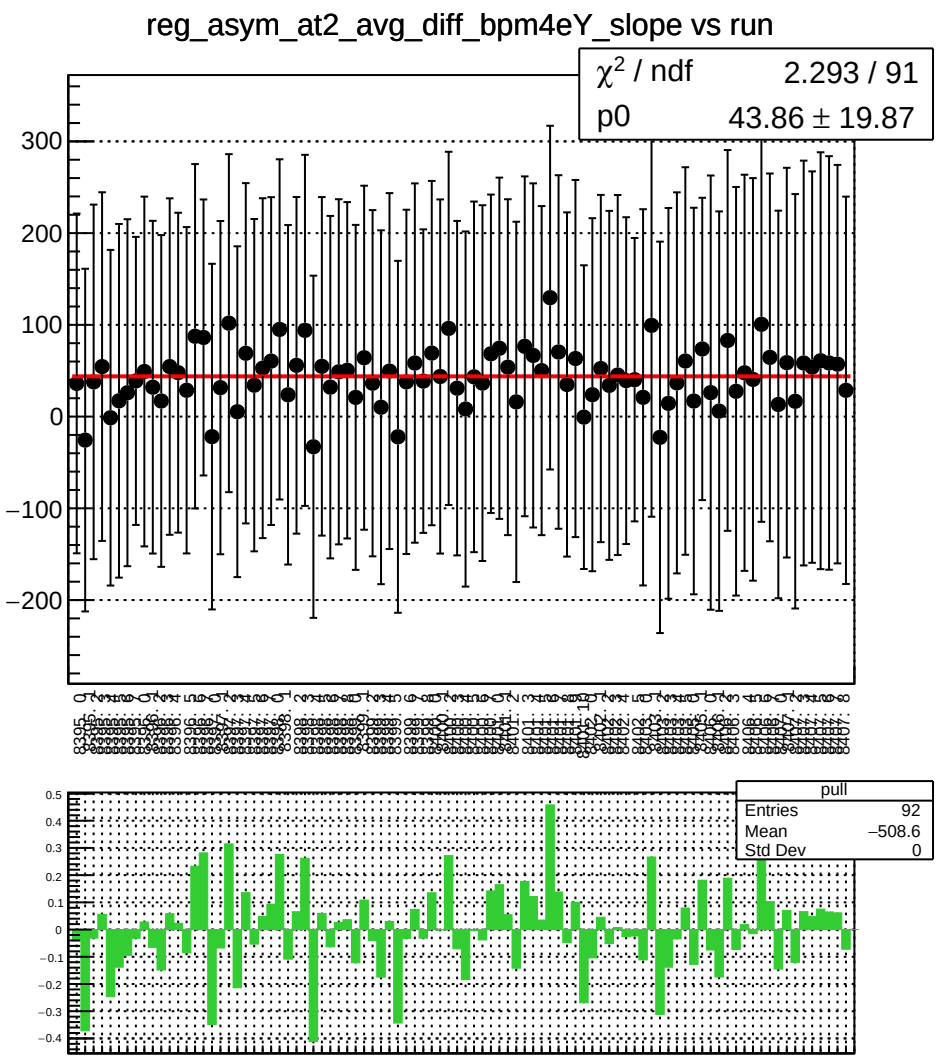

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 2.947 / 91
p0 −524.7 ± 10.46
−400
−450
−500
−550
−600
−650
−700
pull
Entries 92
Mean 381.1
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

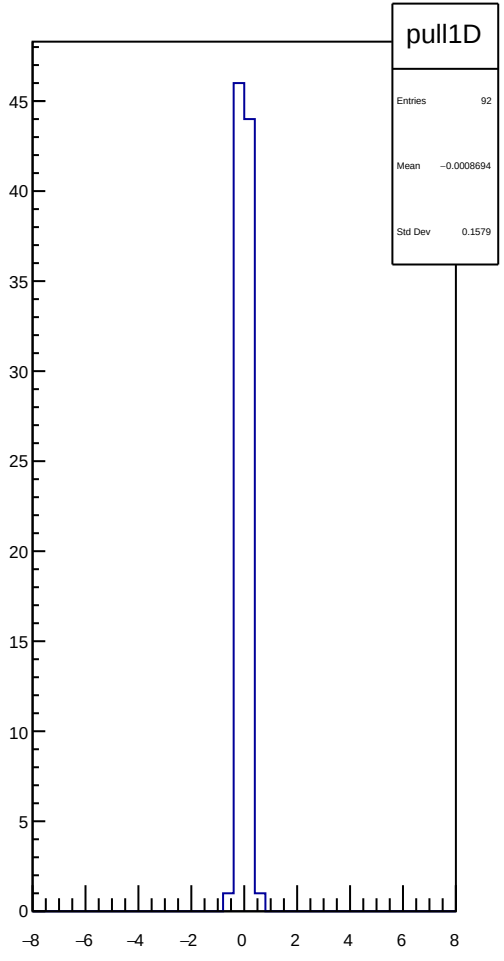

pull1D
Entries 92
Mean −0.002722
Std Dev 0.1789
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

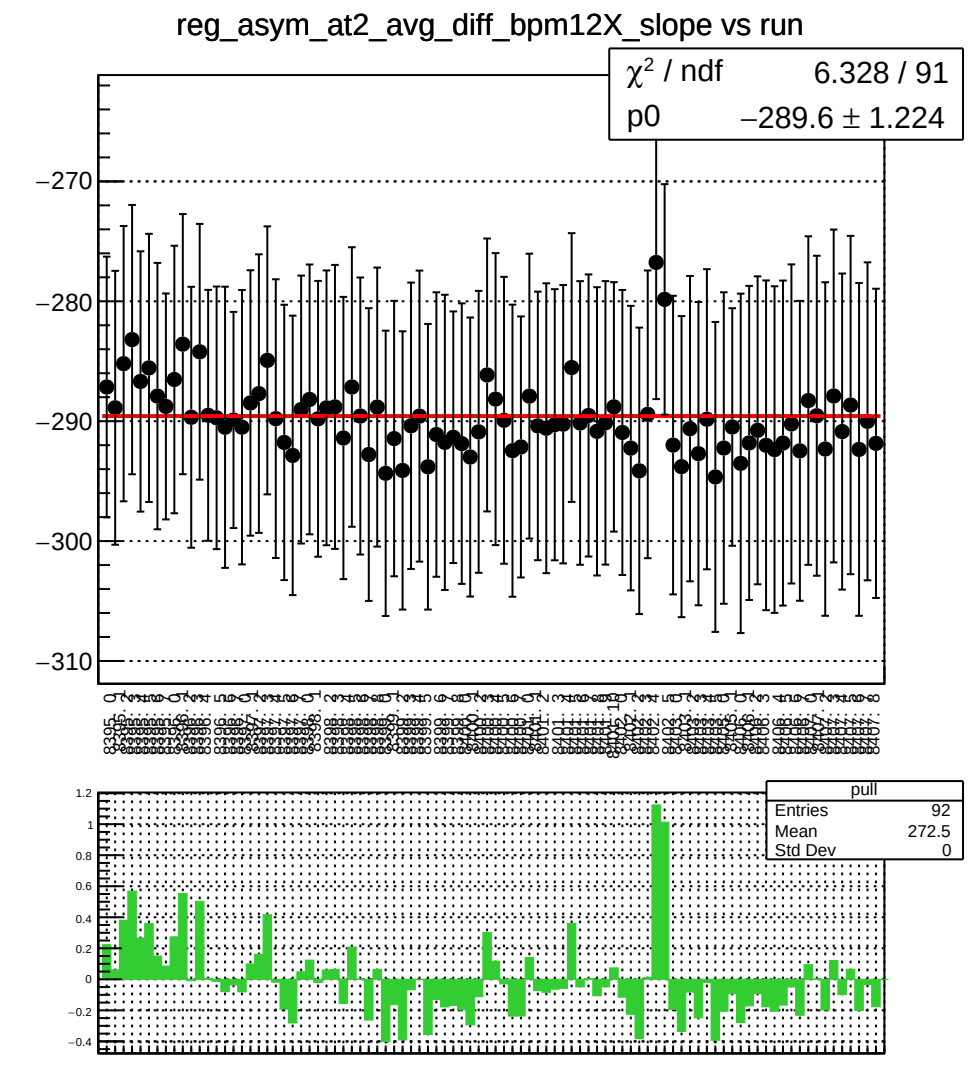

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.277 / 91
p0 86.41 ± 19.01
pull
Entries 92
Mean −1268
Std Dev 0

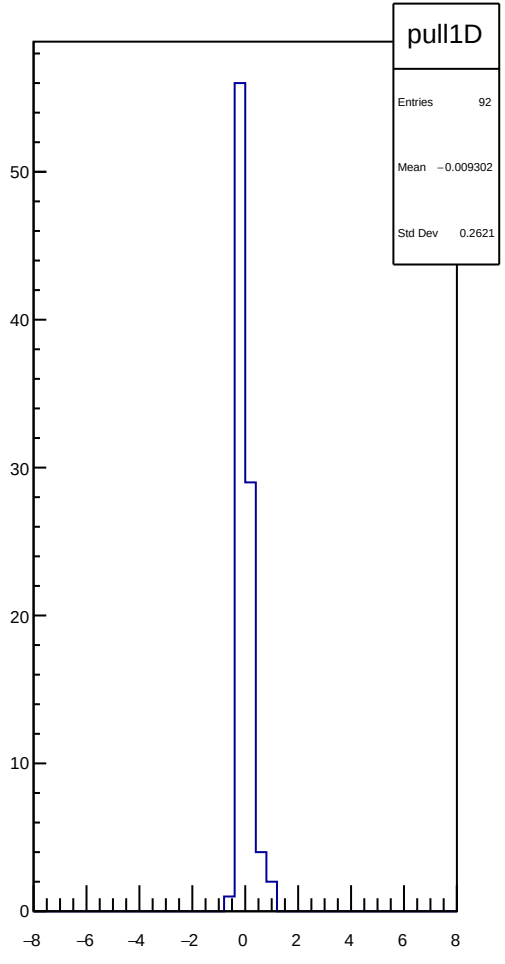

pull1D
Entries 92
Mean 0.0004659
Std Dev 0.1573

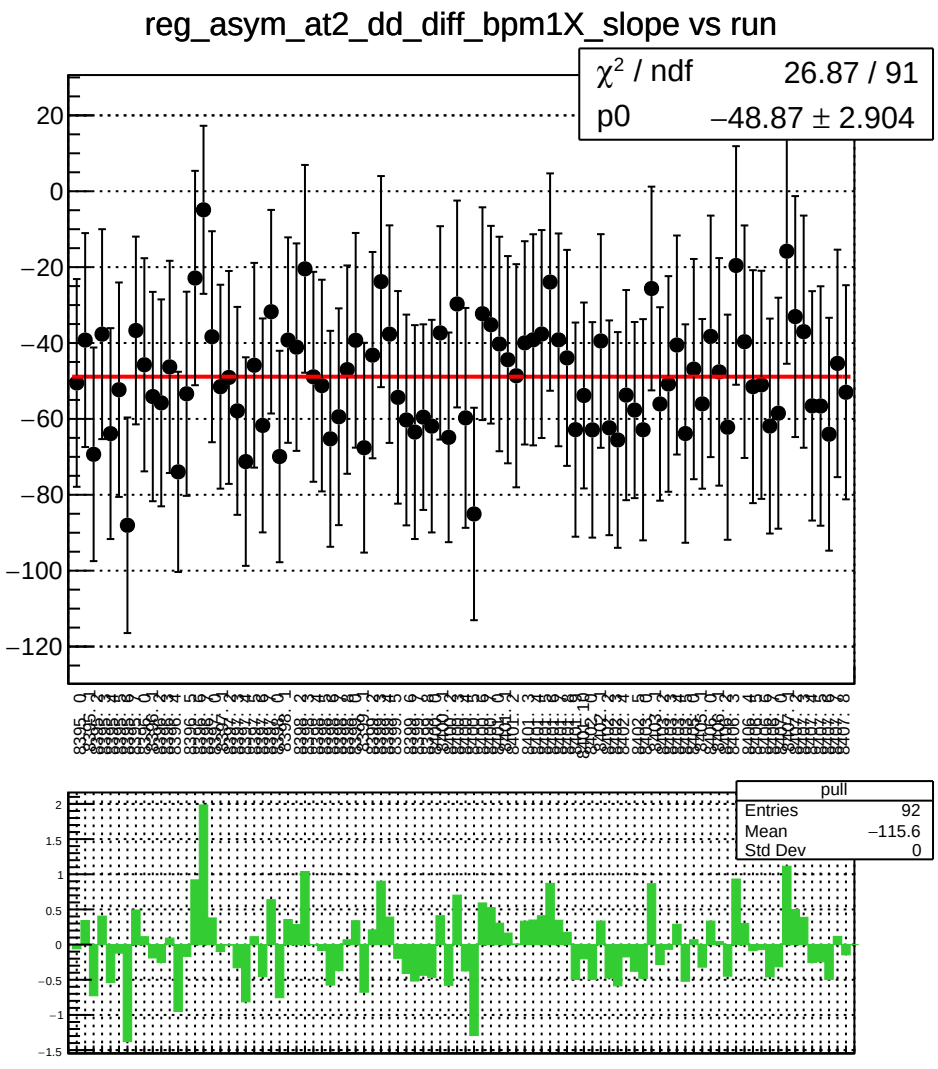

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.687 / 91
p0 474.5 ± 11.68
650
600
550
500
450
400
350
300
pull
Entries 92
Mean 289.6
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.002359
Std Dev 0.1709
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

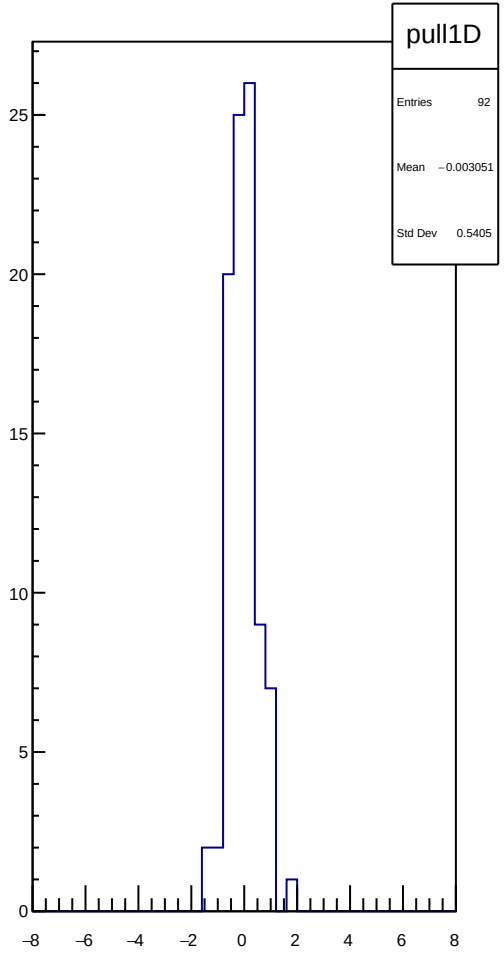

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.293 / 91
p0 43.86 ± 19.87
300
200
100
0
−100
−200
pull
Entries 92
Mean −508.6
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

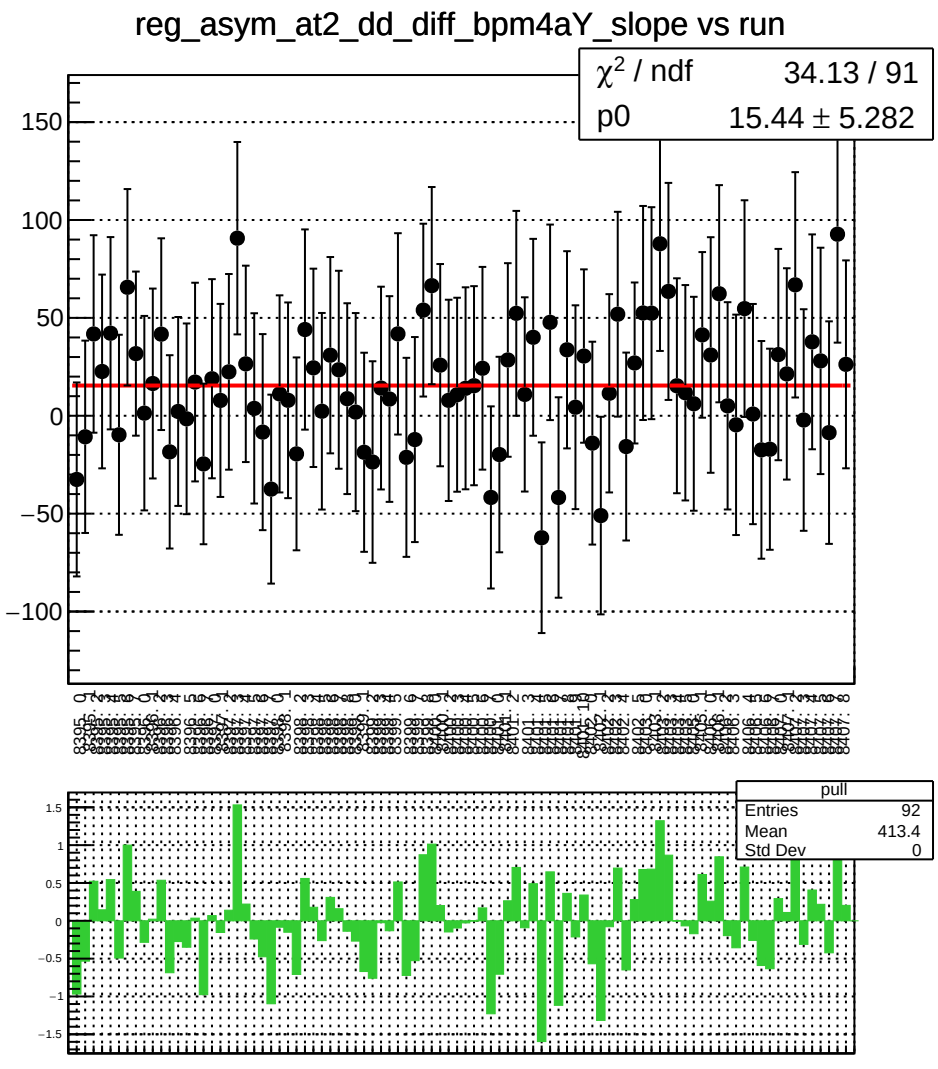

pull1D
Entries 92
Mean −0.0008694
Std Dev 0.1579
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

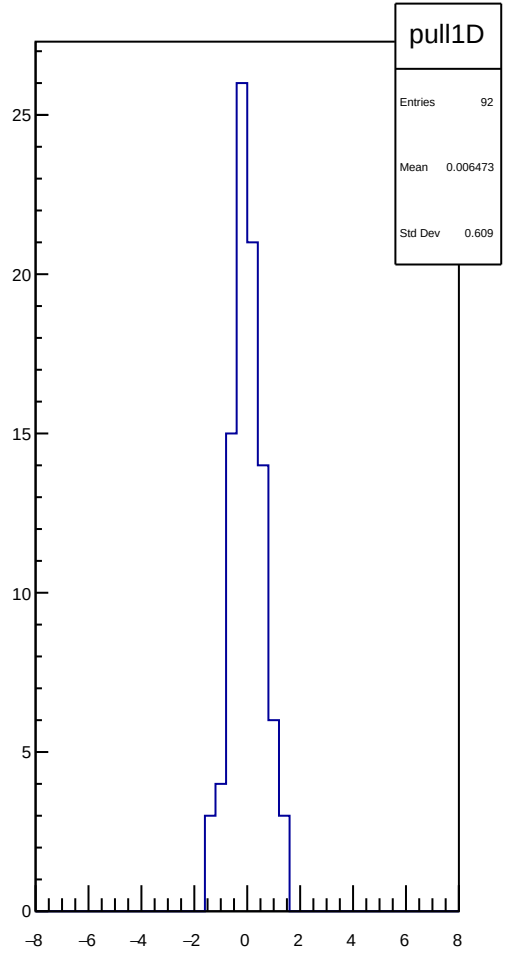

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 6.328 / 91
p0 −289.6 ± 1.224
−270
−280
−290
−300
−310
pull
Entries 92
Mean 272.5
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

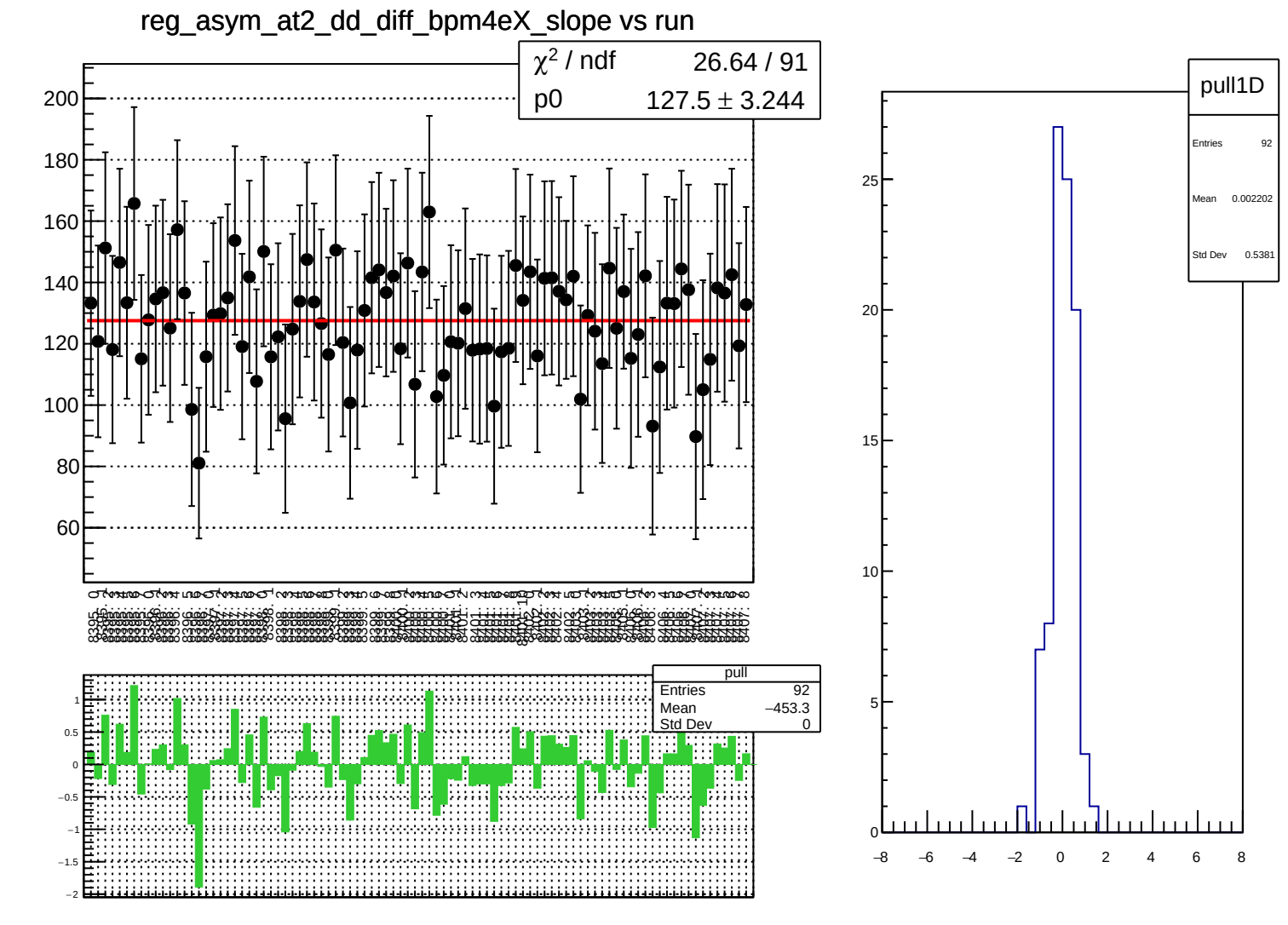

pull1D
Entries 92
Mean −0.009302
Std Dev 0.2621
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

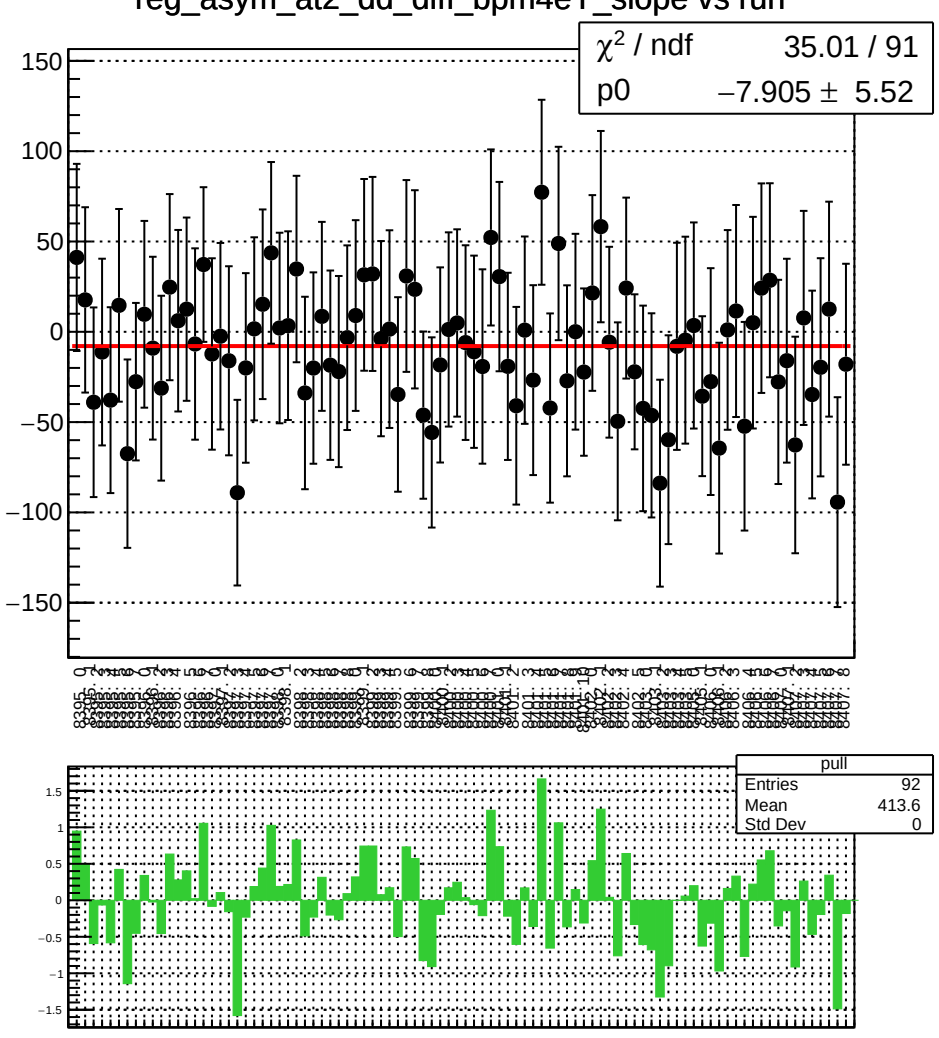

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.87 / 91
p0 −48.87 ± 2.904
pull
Entries 92
Mean −115.6
Std Dev 0

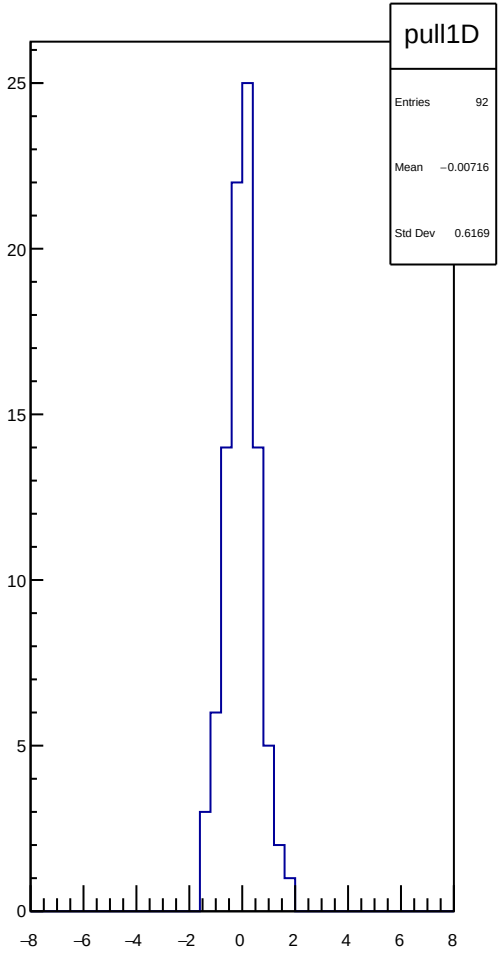

pull1D
Entries 92
Mean −0.003051
Std Dev 0.5405

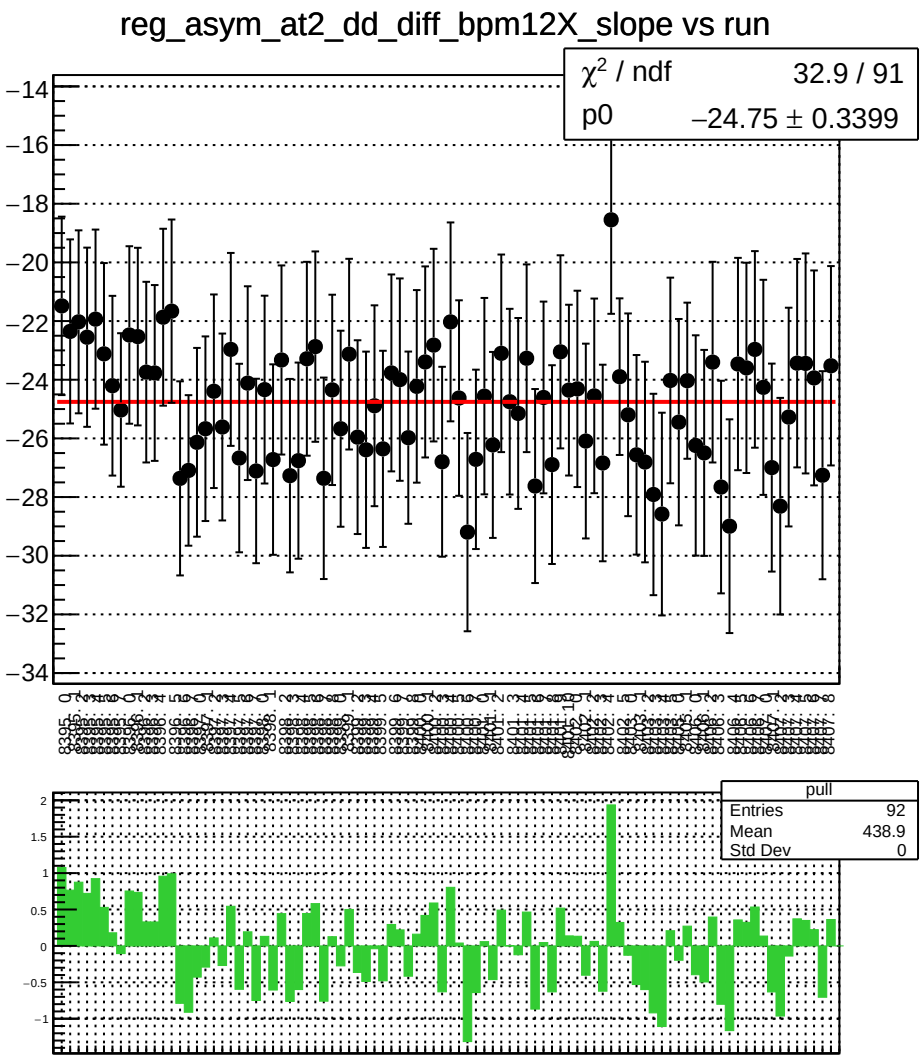

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.13 / 91
p0 15.44 ± 5.282
150
100
50
0
−50
−100
pull
Entries 92
Mean 413.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

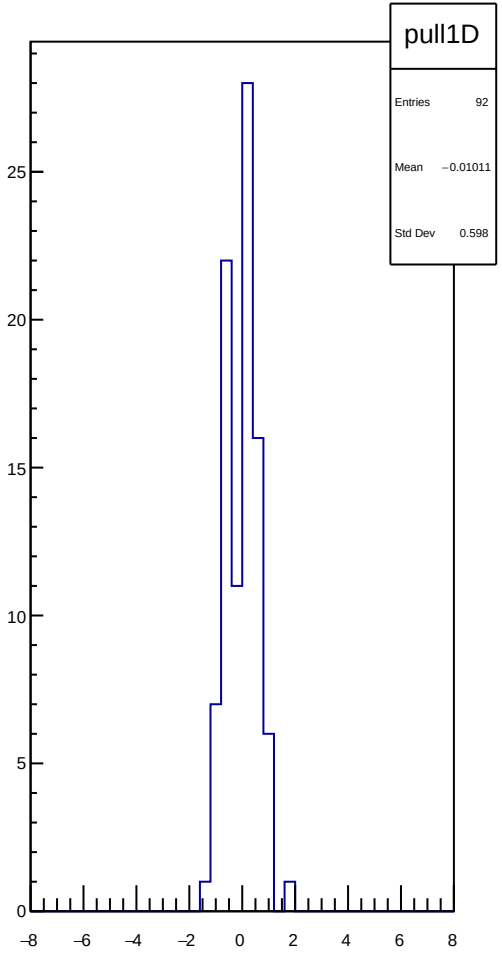

pull1D
Entries 92
Mean 0.006473
Std Dev 0.609
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

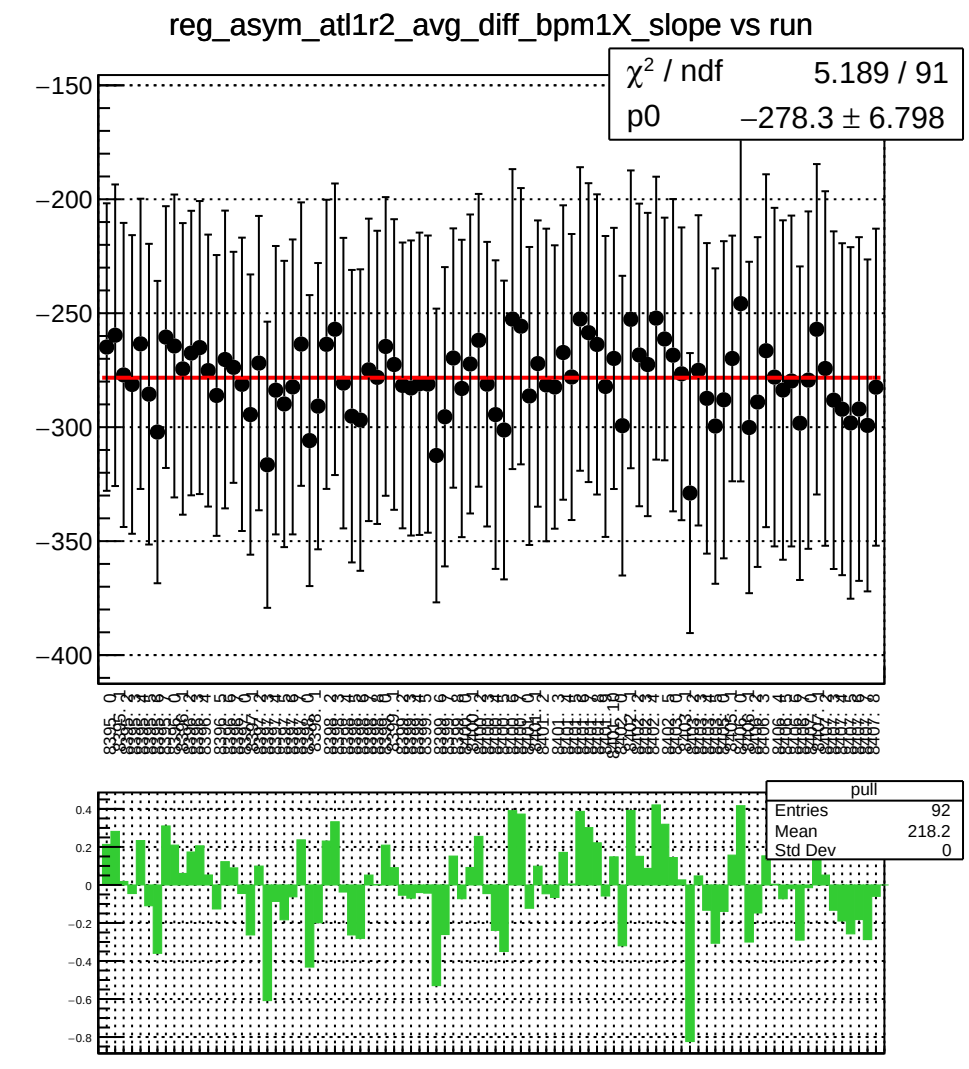

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.64 / 91
p0 127.5 ± 3.244
pull
Entries 92
Mean −453.3
Std Dev 0
pull1D
Entries 92
Mean 0.002202
Std Dev 0.5381

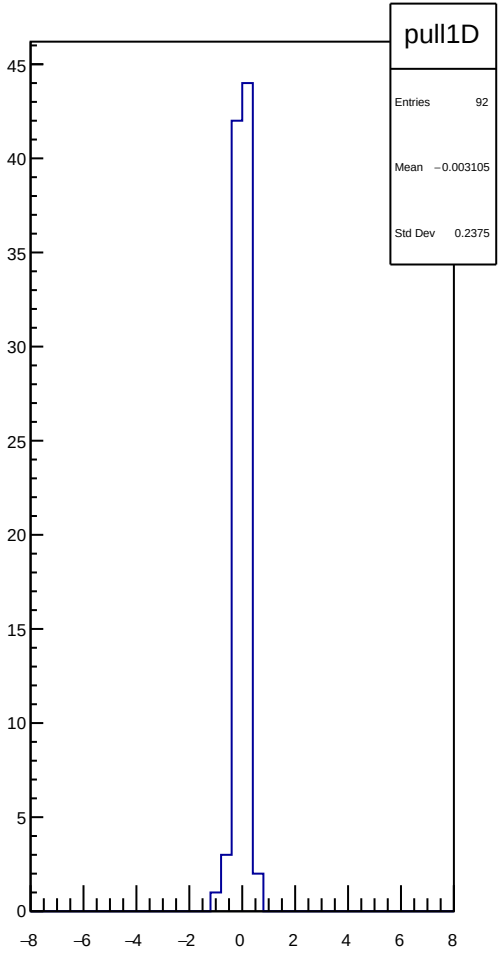

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.01 / 91
p0 −7.905 ± 5.52
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 413.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

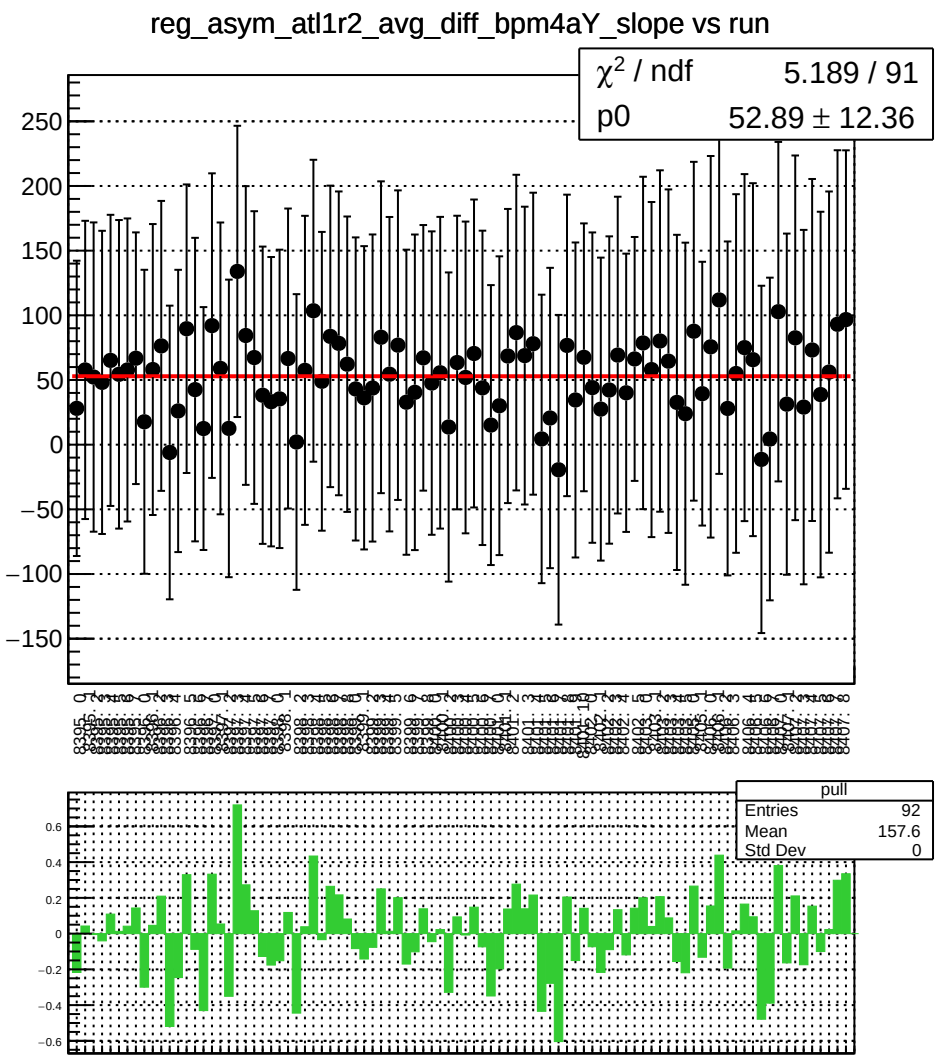

pull1D
Entries 92
Mean −0.00716
Std Dev 0.6169
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

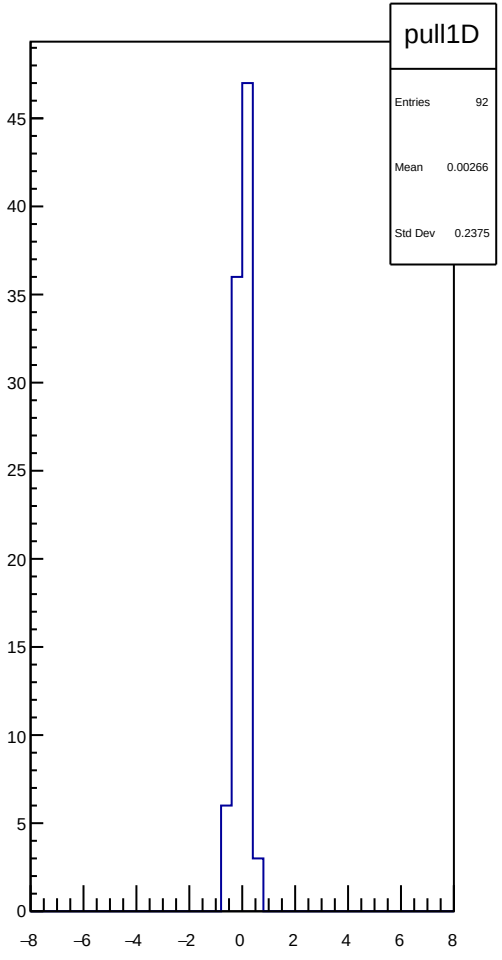

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 32.9 / 91
p0 −24.75 ± 0.3399
pull
Entries 92
Mean 438.9
Std Dev 0

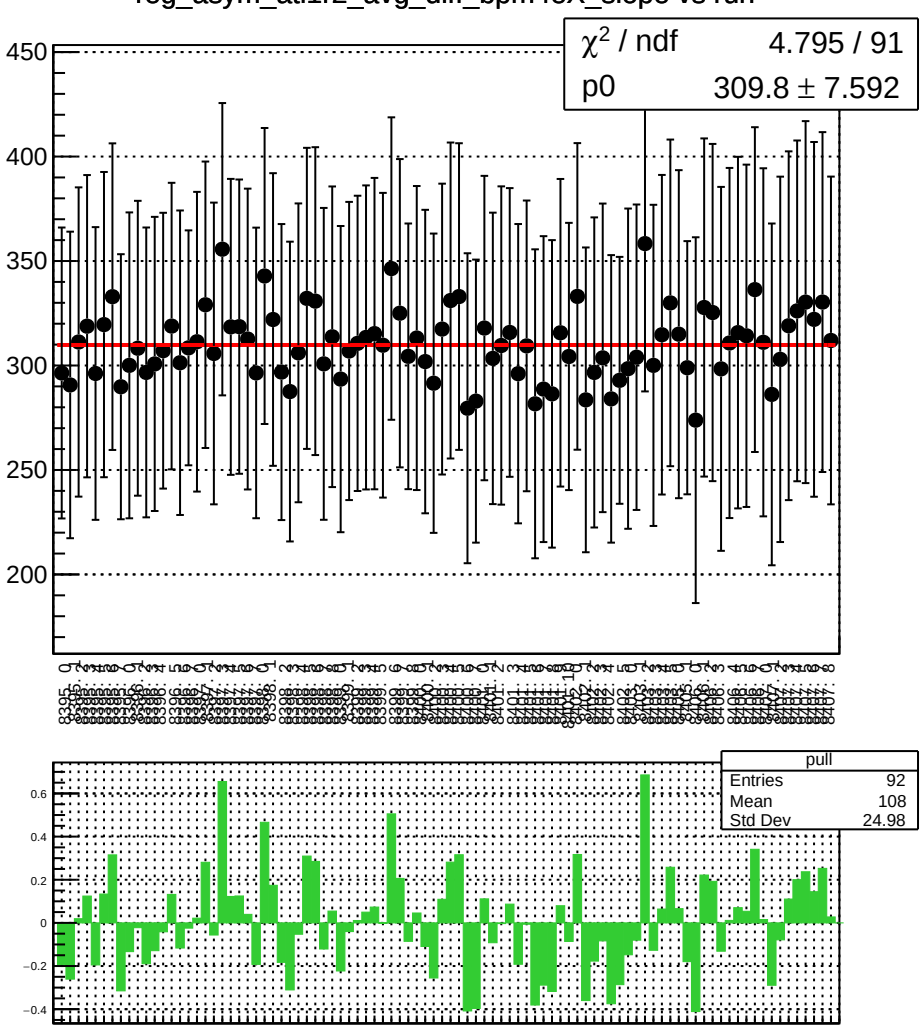

pull1D
Entries 92
Mean −0.01011
Std Dev 0.598

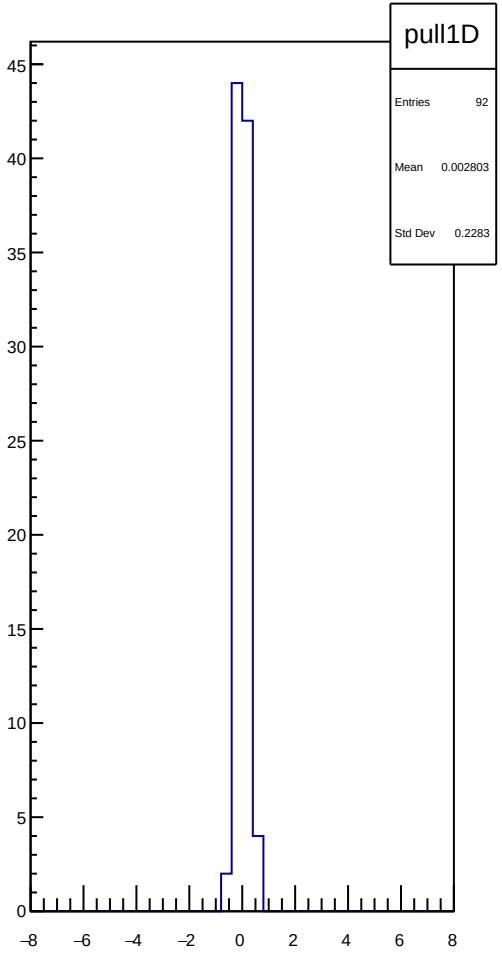

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.189 / 91
p0 −278.3 ± 6.798
−150
−200
−250
−300
−350
−400
pull
Entries 92
Mean 218.2
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

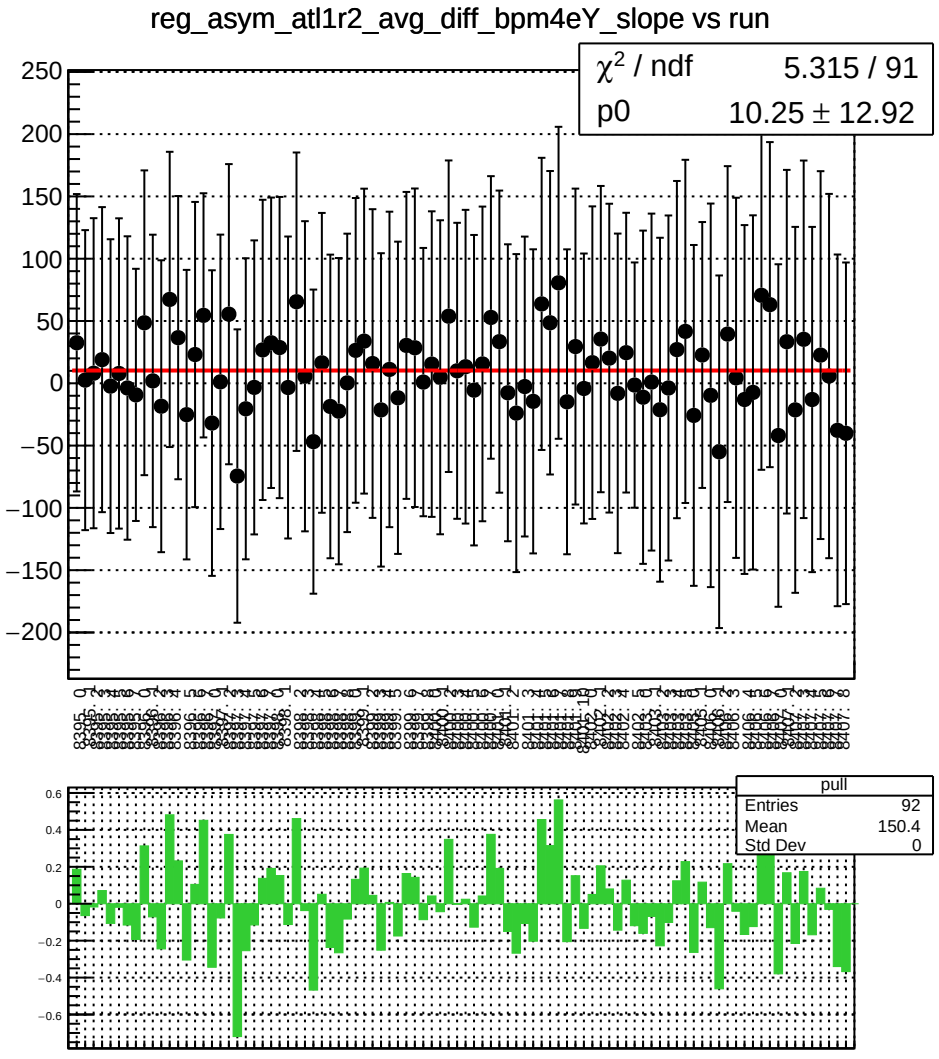

pull1D
Entries 92
Mean −0.003105
Std Dev 0.2375
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

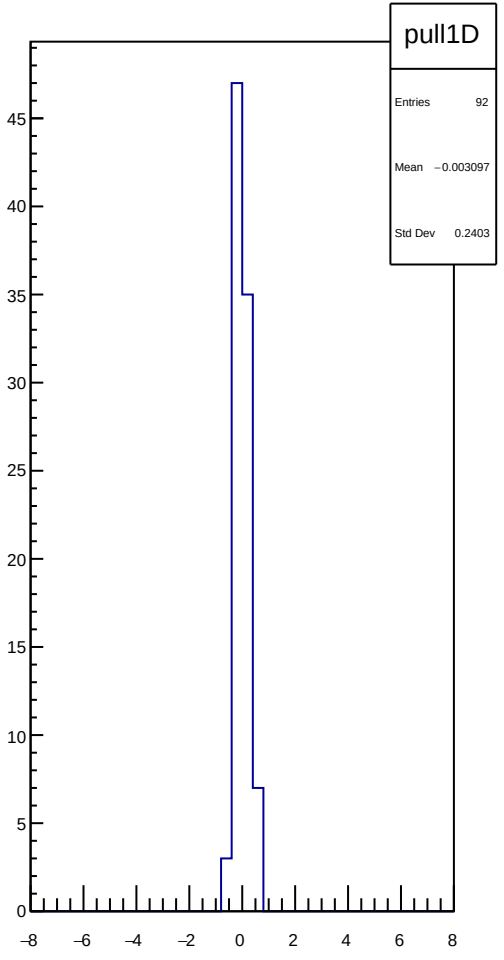

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.189 / 91
p0 52.89 ± 12.36
pull
Entries 92
Mean 157.6
Std Dev 0

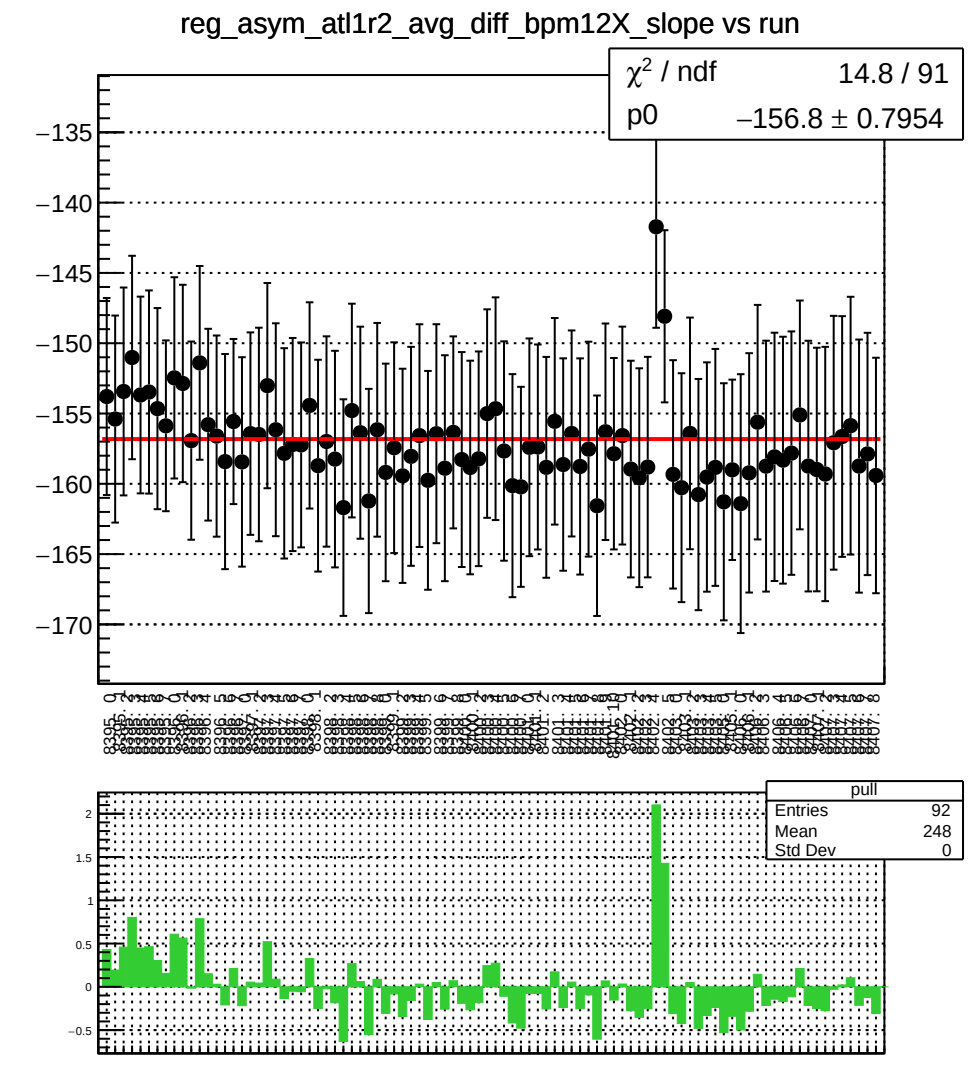

pull1D
Entries 92
Mean 0.00266
Std Dev 0.2375

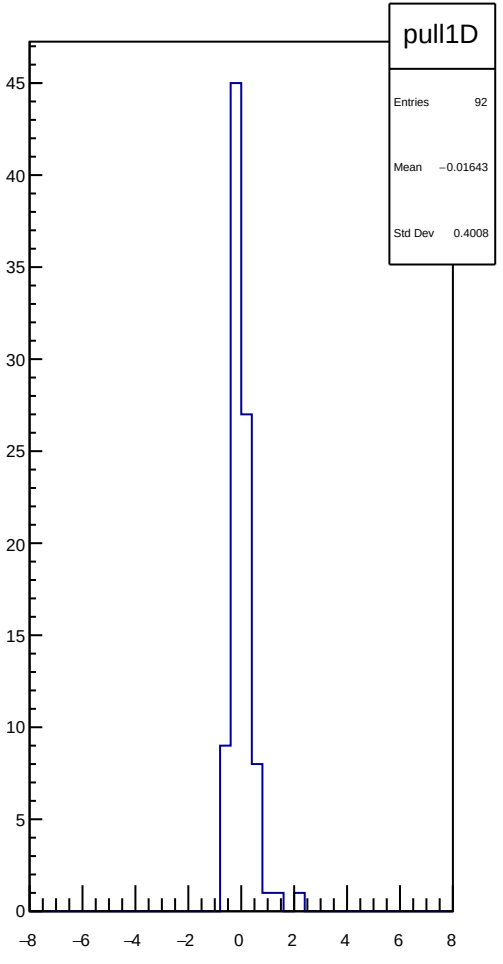

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.795 / 91
p0 309.8 ± 7.592
pull
Entries 92
Mean 108
Std Dev 24.98

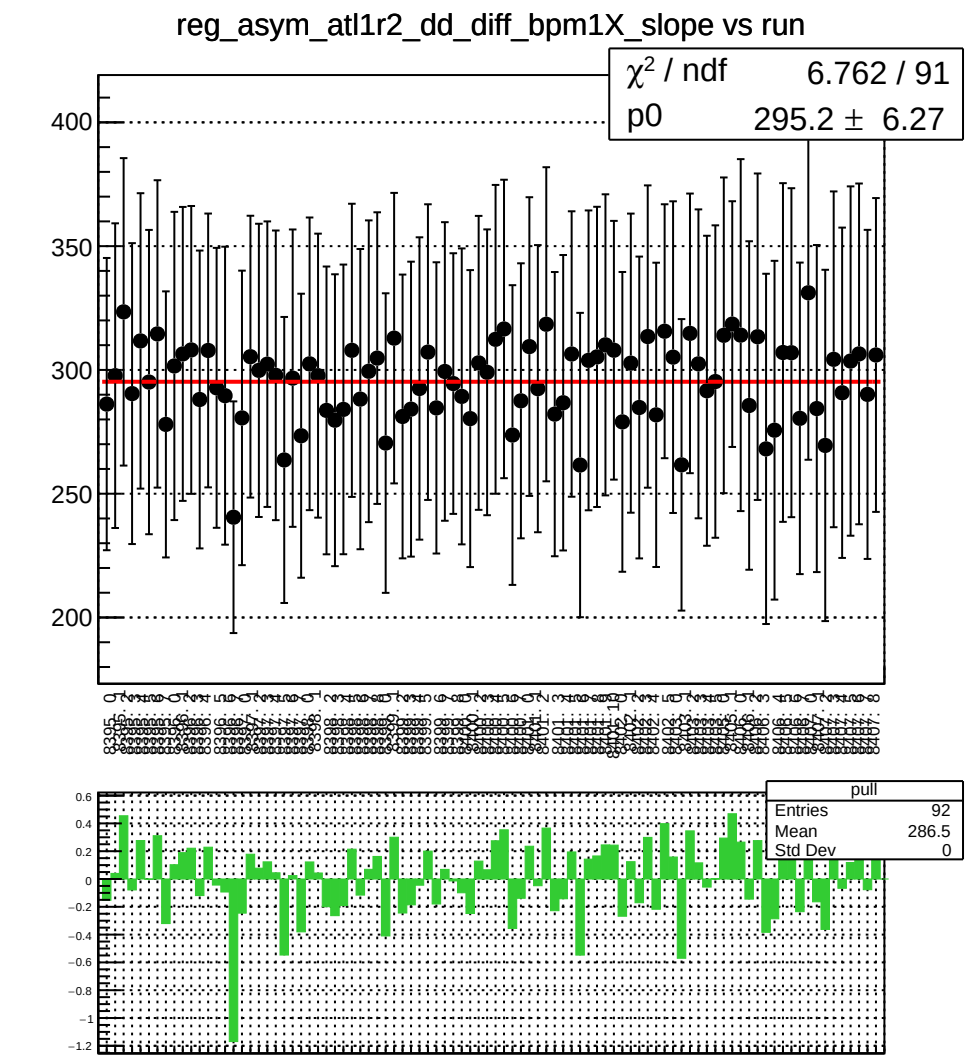

pull1D
Entries 92
Mean 0.002803
Std Dev 0.2283

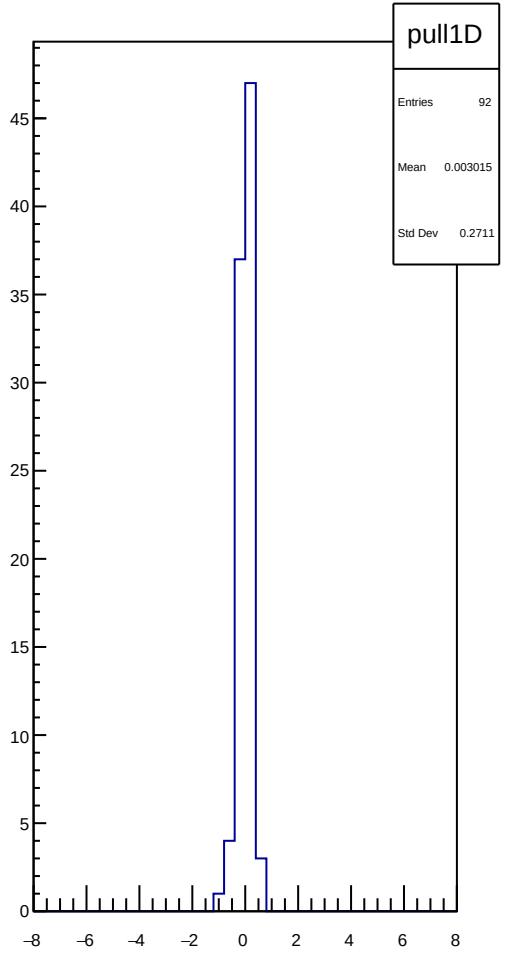

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.315 / 91
p0 10.25 ± 12.92
pull
Entries 92
Mean 150.4
Std Dev 0

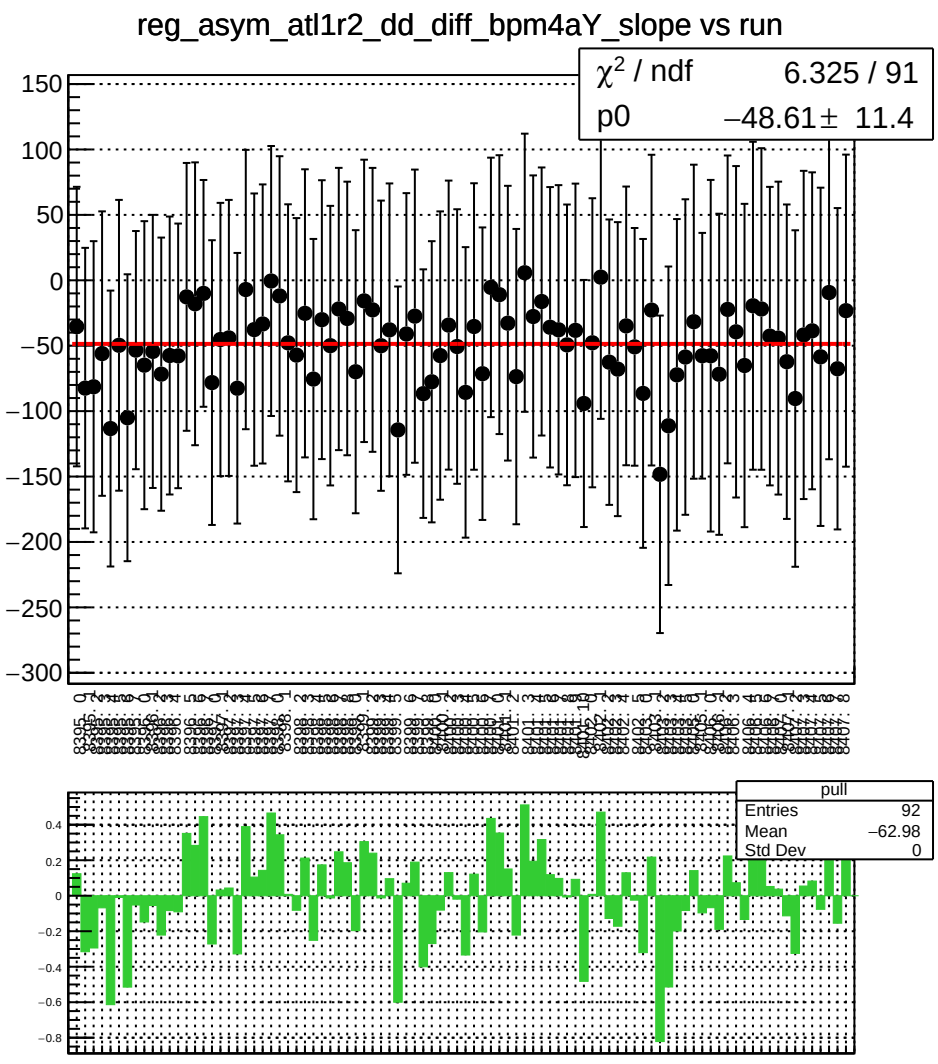

pull1D
Entries 92
Mean −0.003097
Std Dev 0.2403

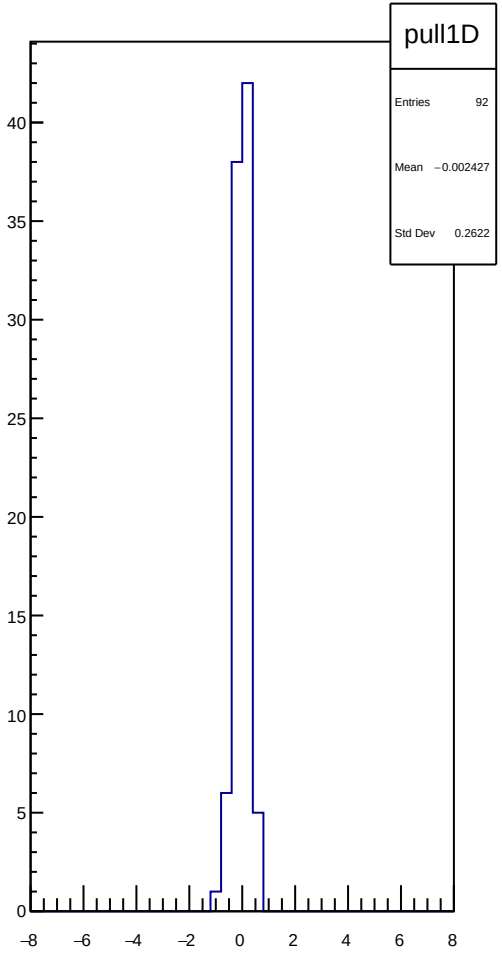

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.8 / 91
p0 −156.8 ± 0.7954
pull
Entries 92
Mean 248
Std Dev 0

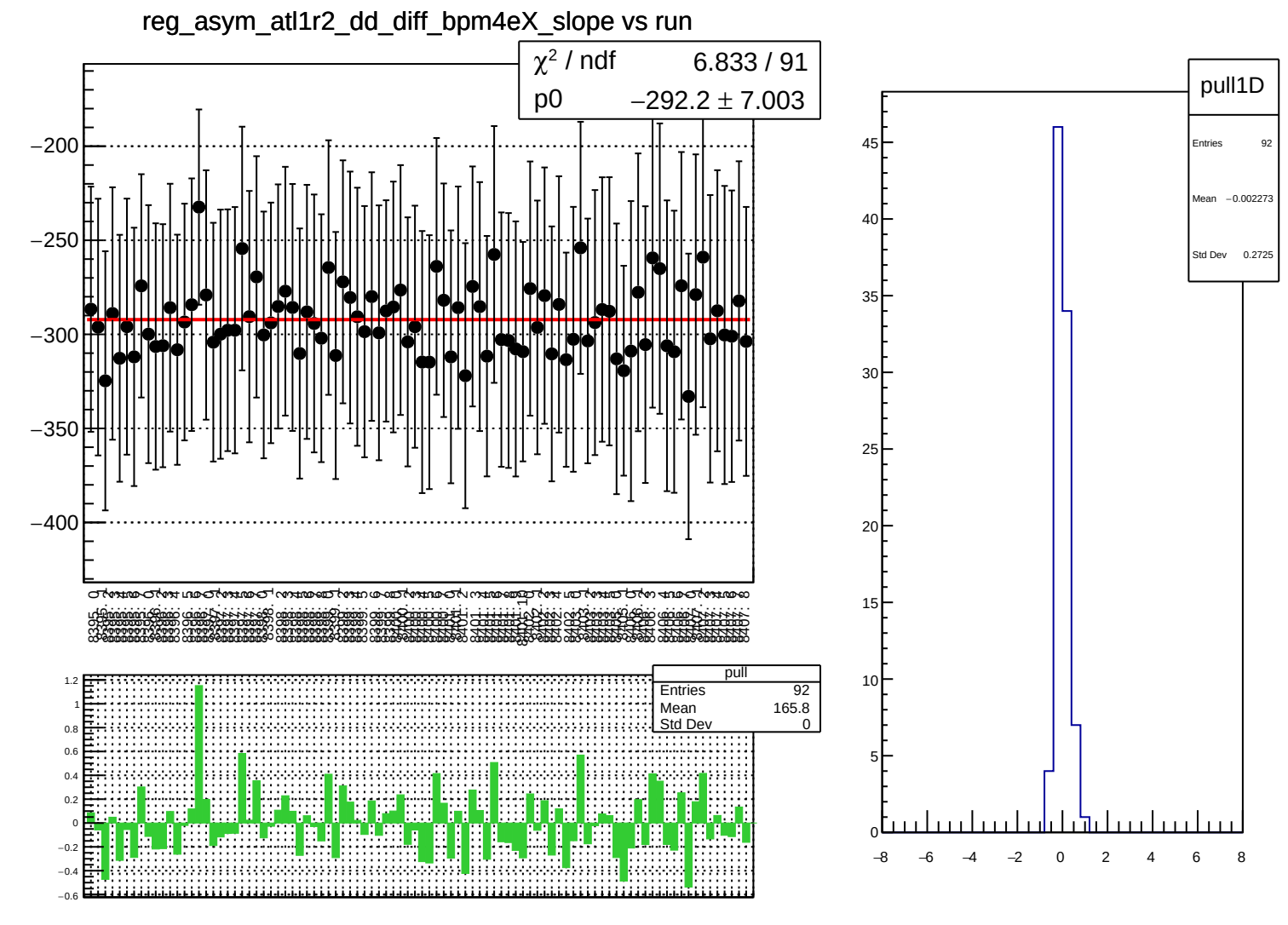

pull1D
Entries 92
Mean −0.01643
Std Dev 0.4008

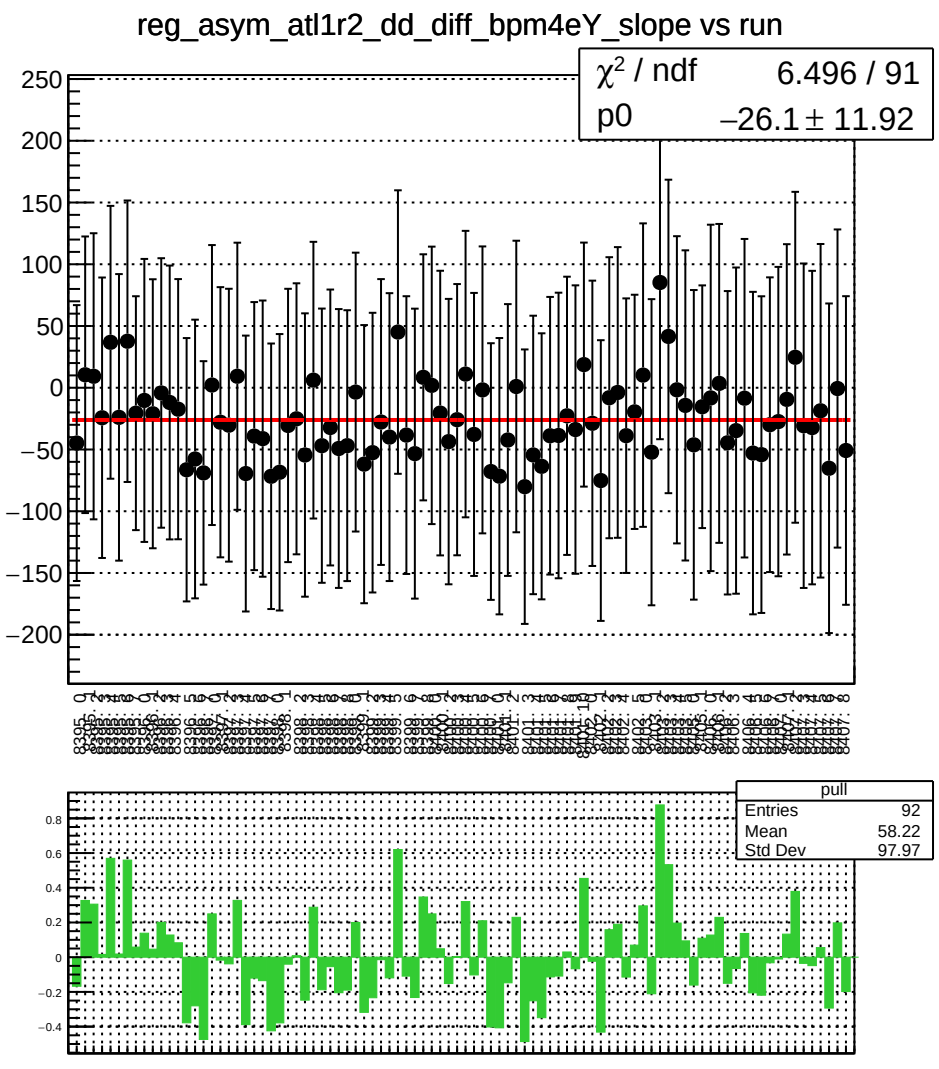

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.762 / 91
p0 295.2 ± 6.27
400
350
300
250
200
pull
Entries 92
Mean 286.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

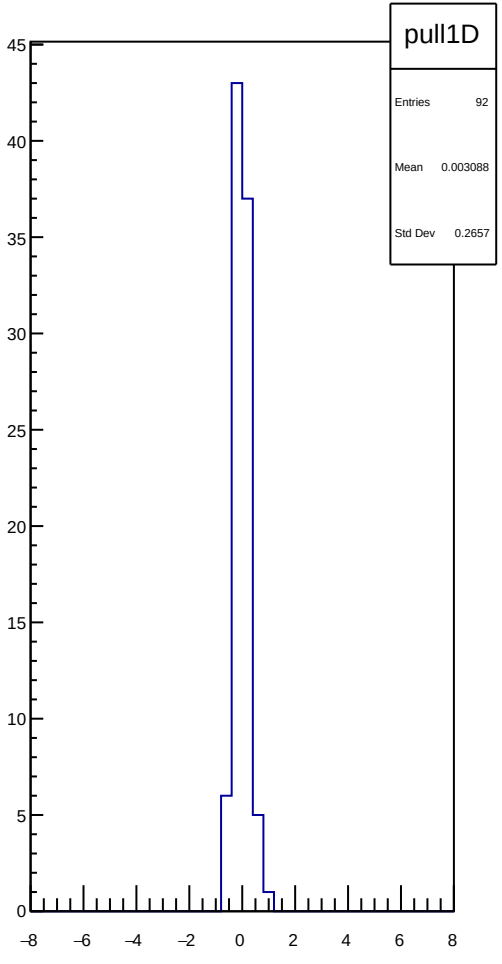

pull1D
Entries 92
Mean 0.003015
Std Dev 0.2711
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

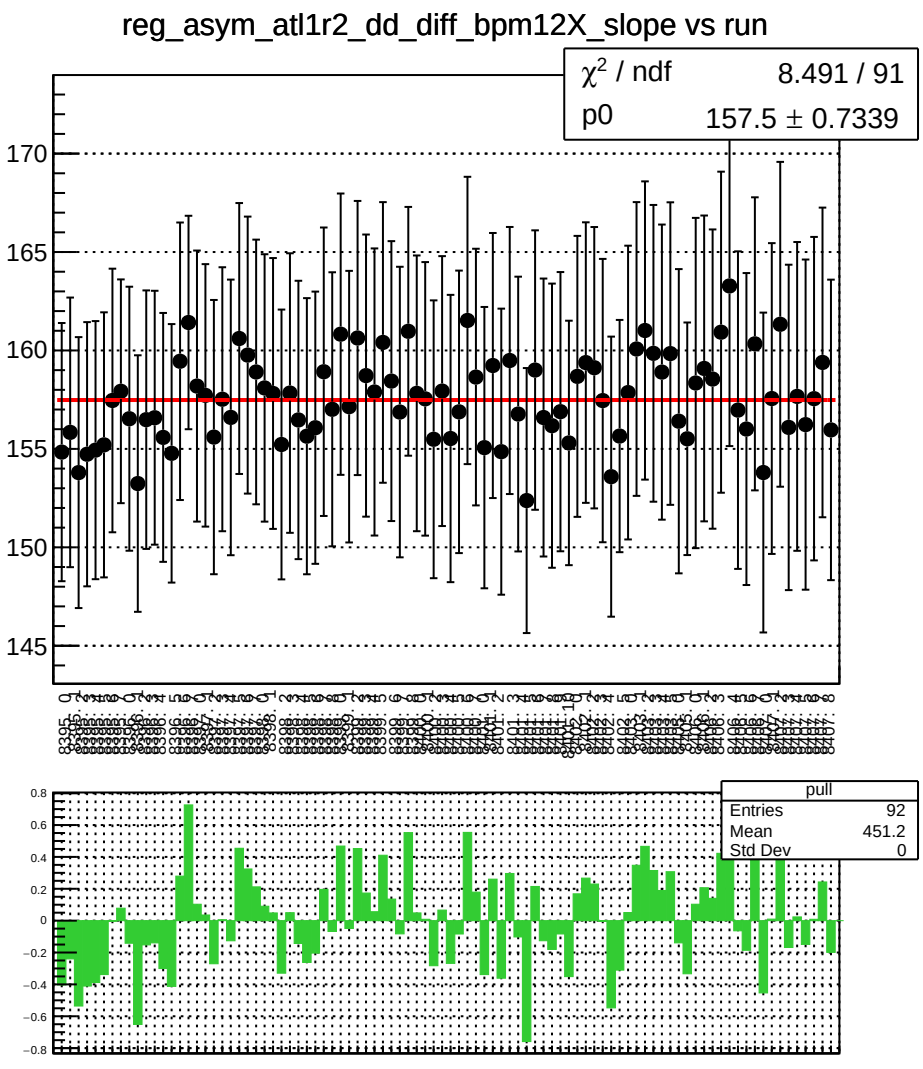

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.325 / 91
p0 −48.61 ± 11.4
pull
Entries 92
Mean −62.98
Std Dev 0

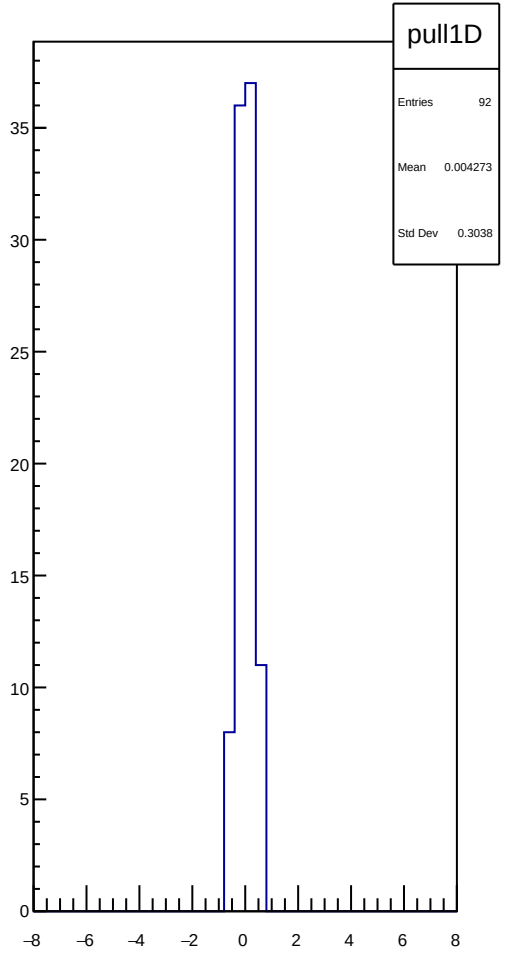

pull1D
Entries 92
Mean −0.002427
Std Dev 0.2622

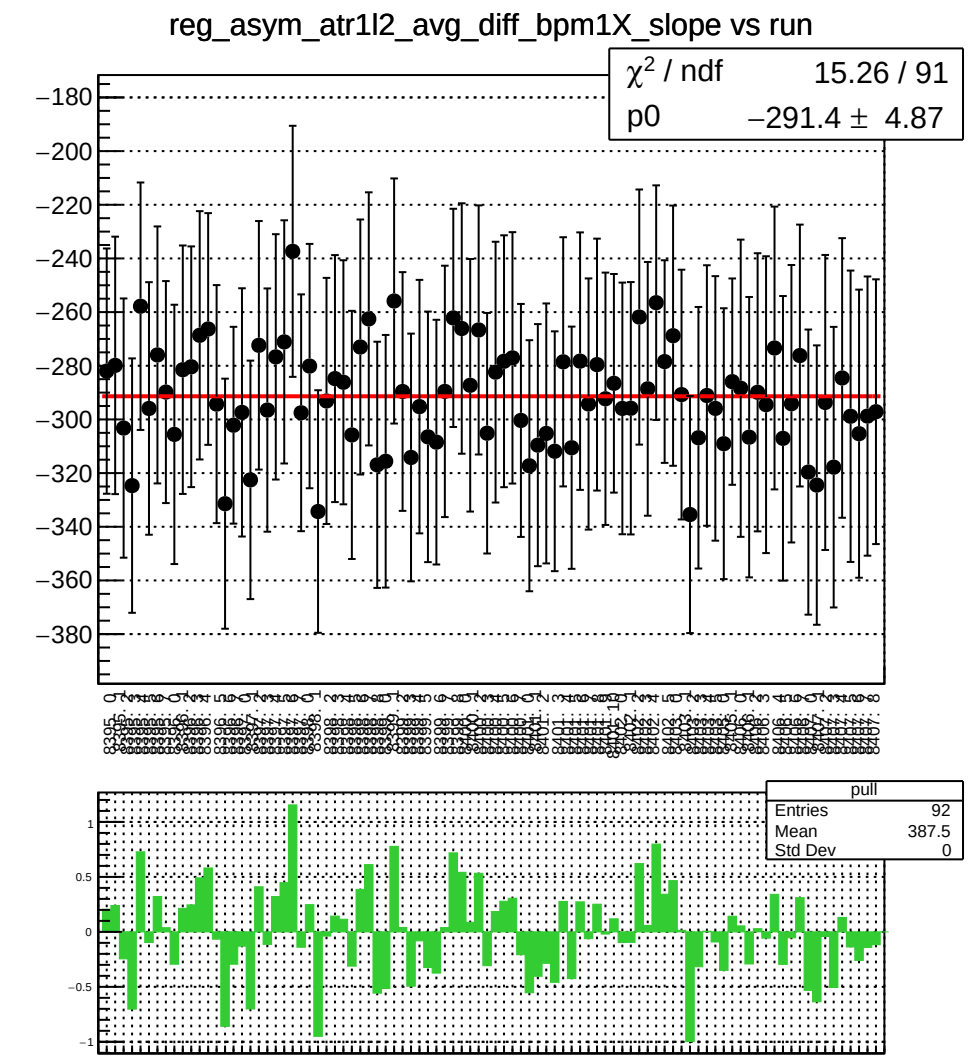

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.833 / 91
p0 −292.2 ± 7.003
−200
−250
−300
−350
−400
pull
Entries 92
Mean 165.8
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean −0.002273
Std Dev 0.2725
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

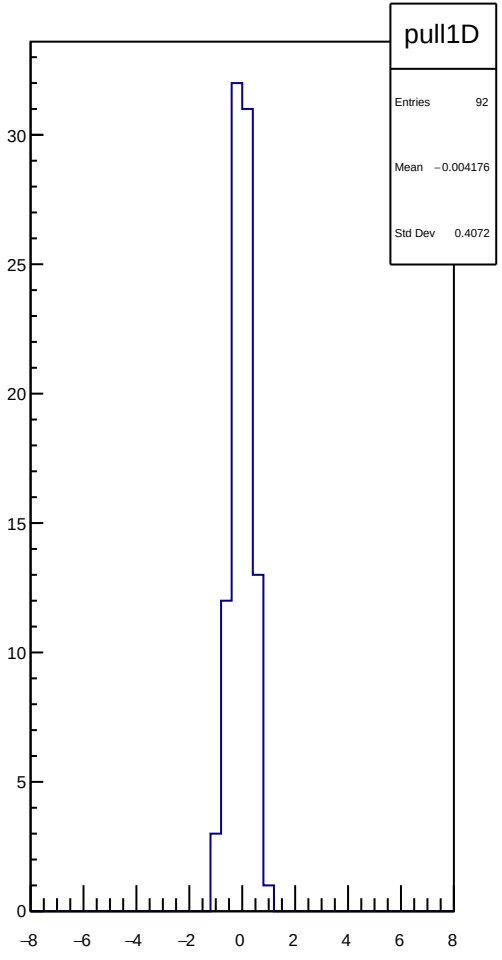

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.496 / 91
p0 −26.1 ± 11.92
pull
Entries 92
Mean 58.22
Std Dev 97.97

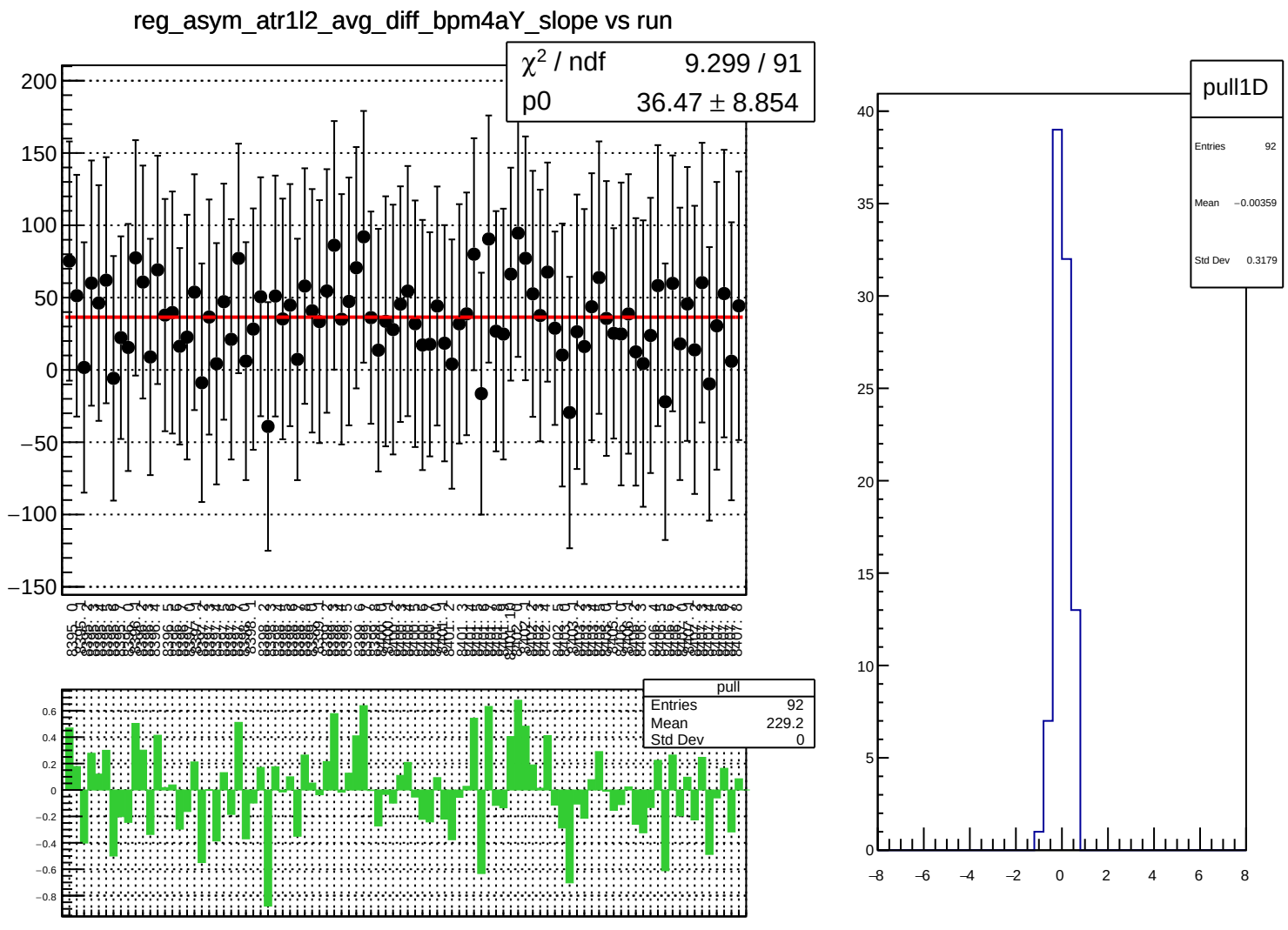

pull1D
Entries 92
Mean 0.003088
Std Dev 0.2657

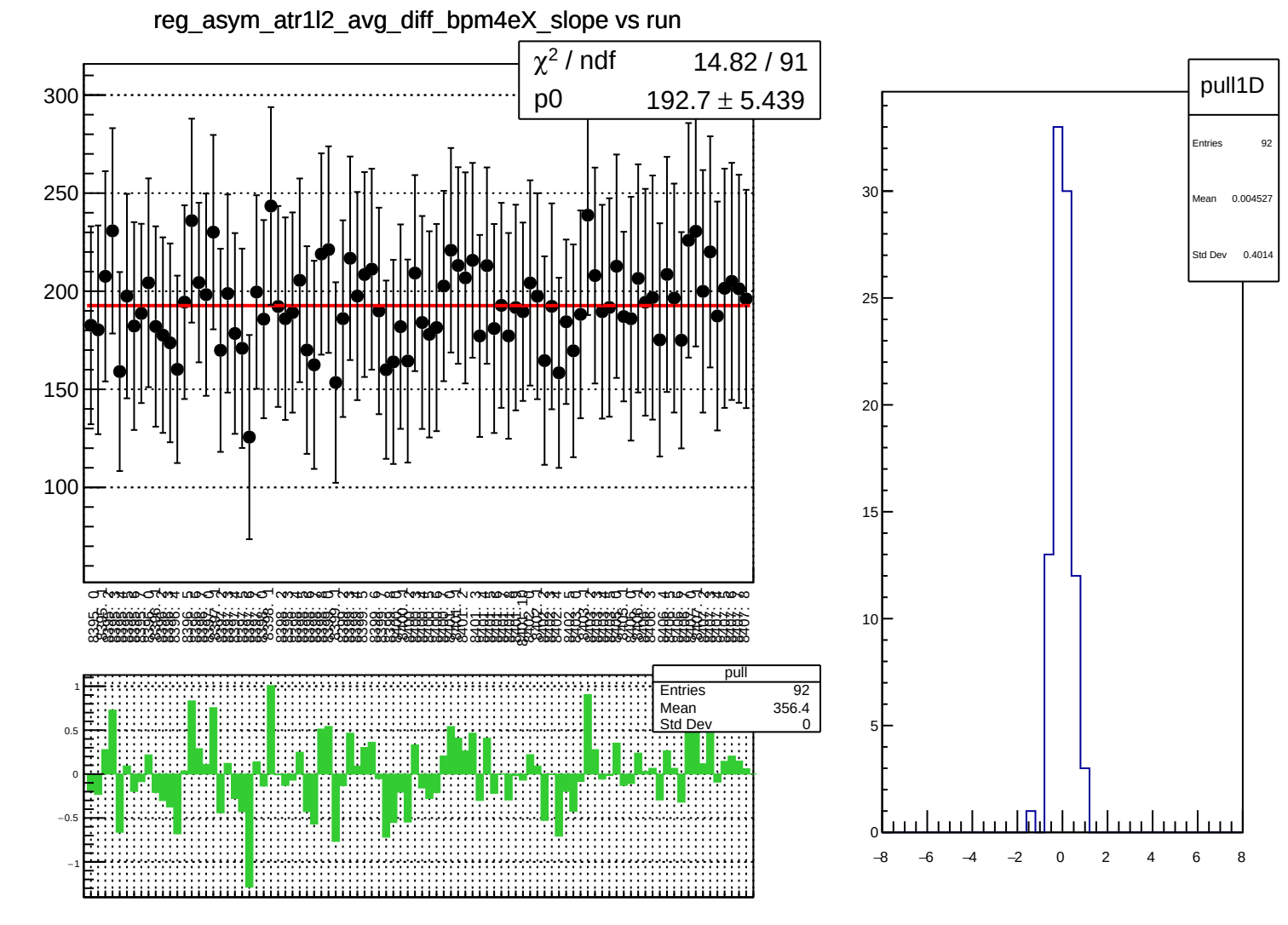

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.491 / 91
p0 157.5 ± 0.7339
170
165
160
155
150
145
pull
Entries 92
Mean 451.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

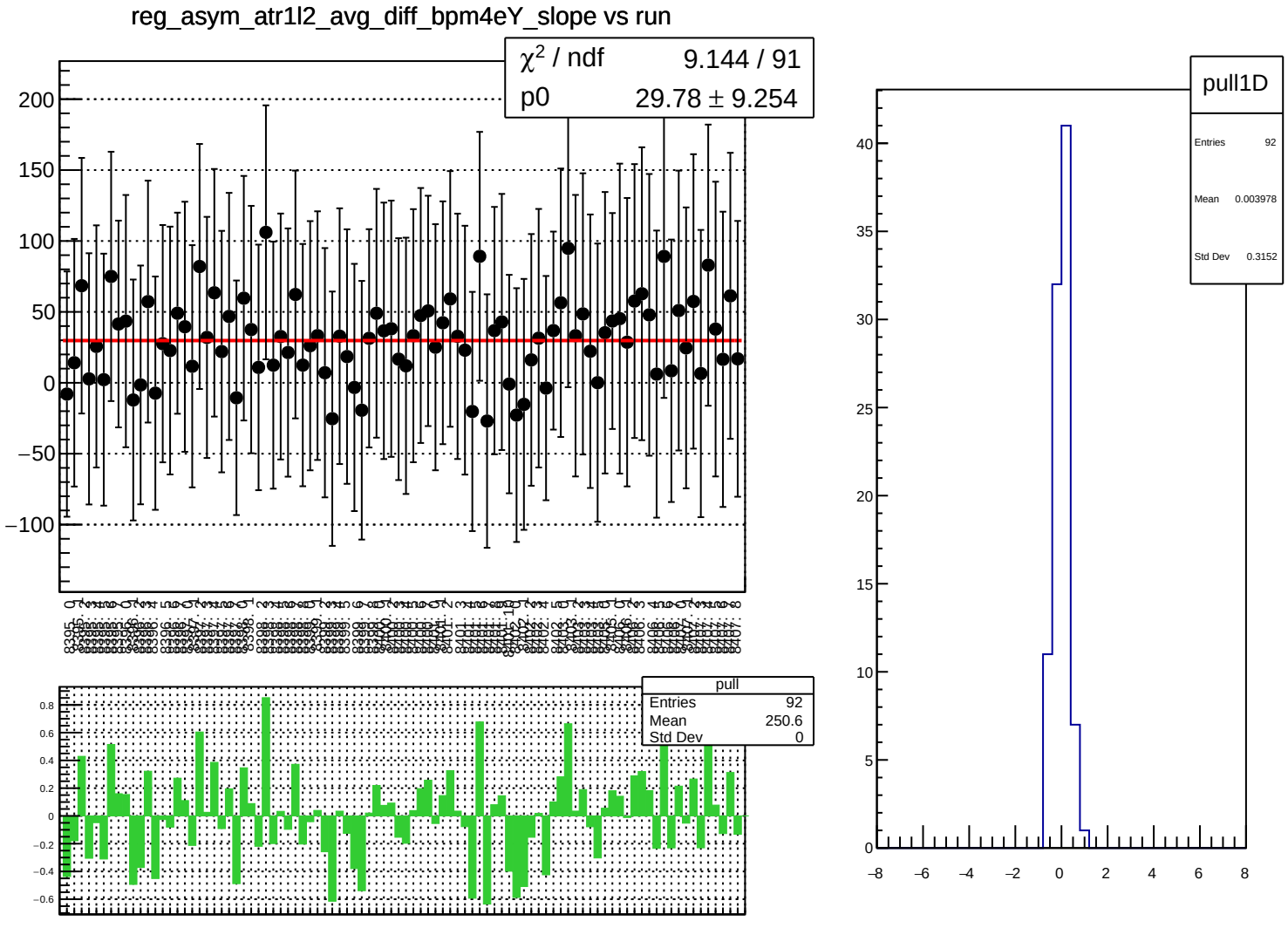

pull1D
Entries 92
Mean 0.004273
Std Dev 0.3038
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

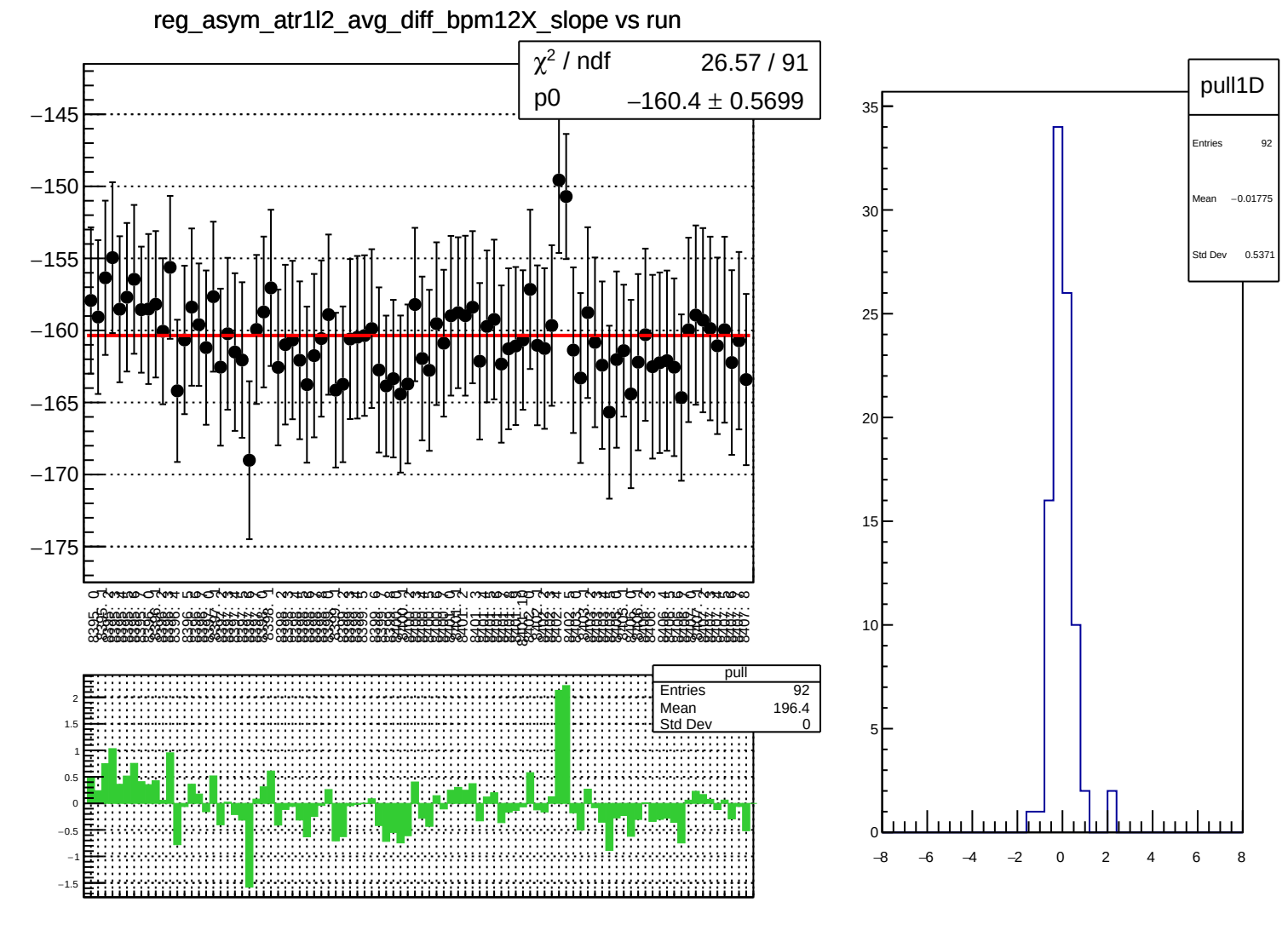

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.26 / 91
p0 −291.4 ± 4.87
pull
Entries 92
Mean 387.5
Std Dev 0

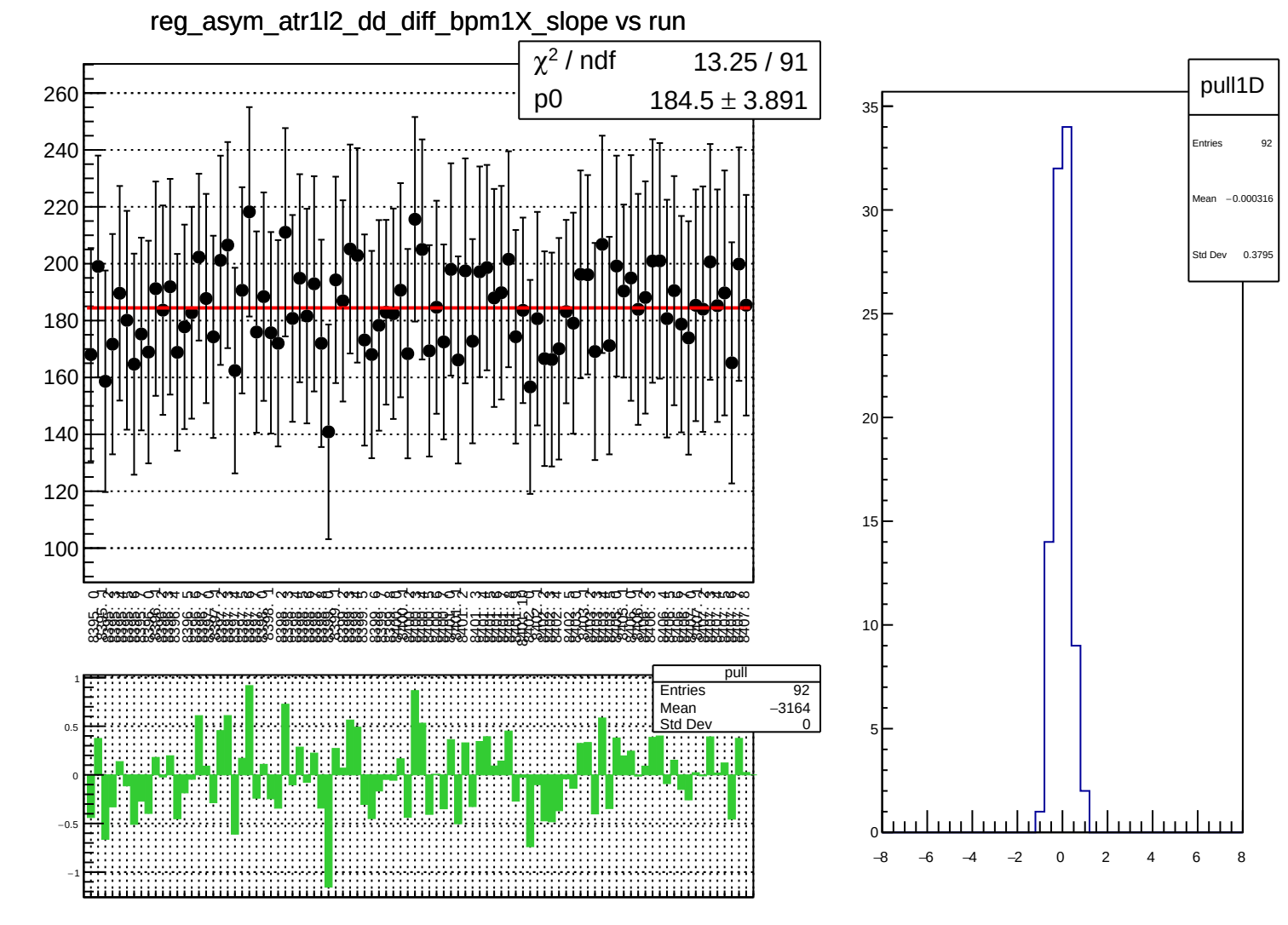

pull1D
Entries 92
Mean −0.004176
Std Dev 0.4072

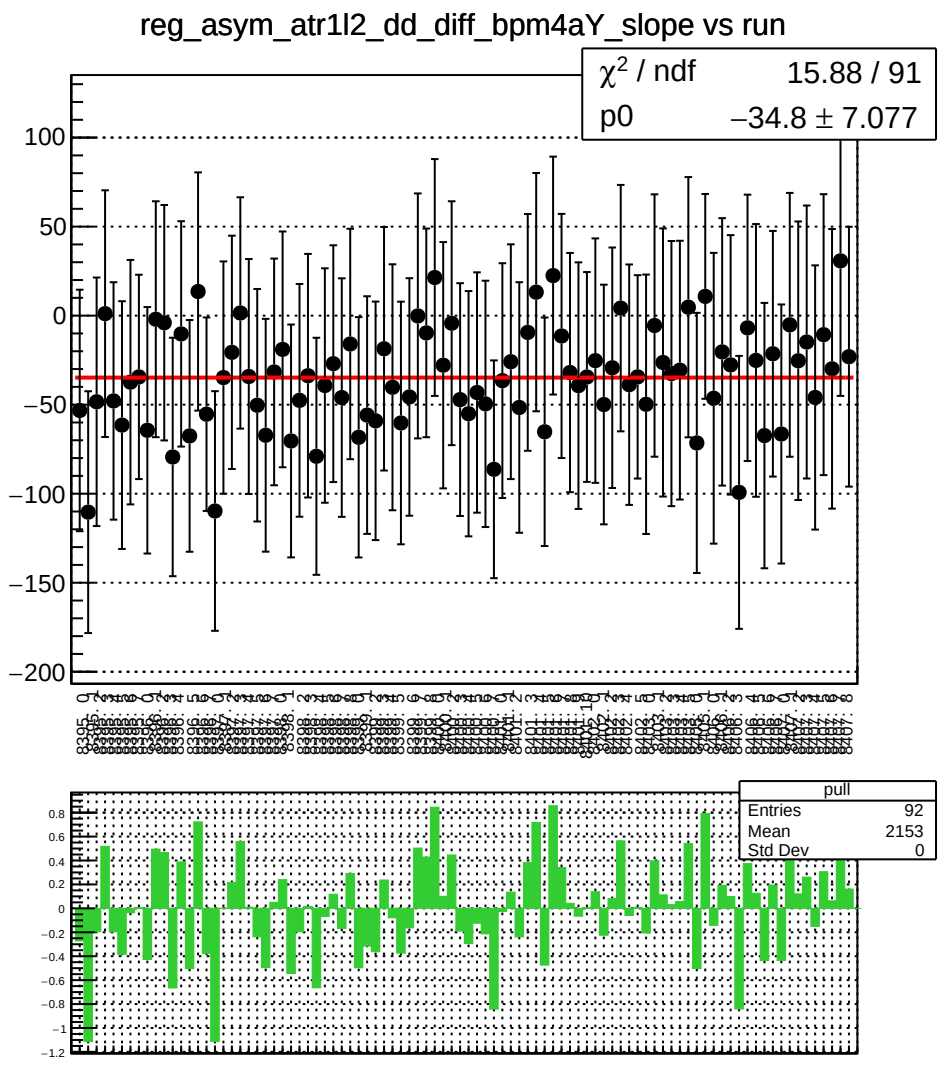

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.299 / 91
p0 36.47 ± 8.854
pull
Entries 92
Mean 229.2
Std Dev 0
pull1D
Entries 92
Mean −0.00359
Std Dev 0.3179

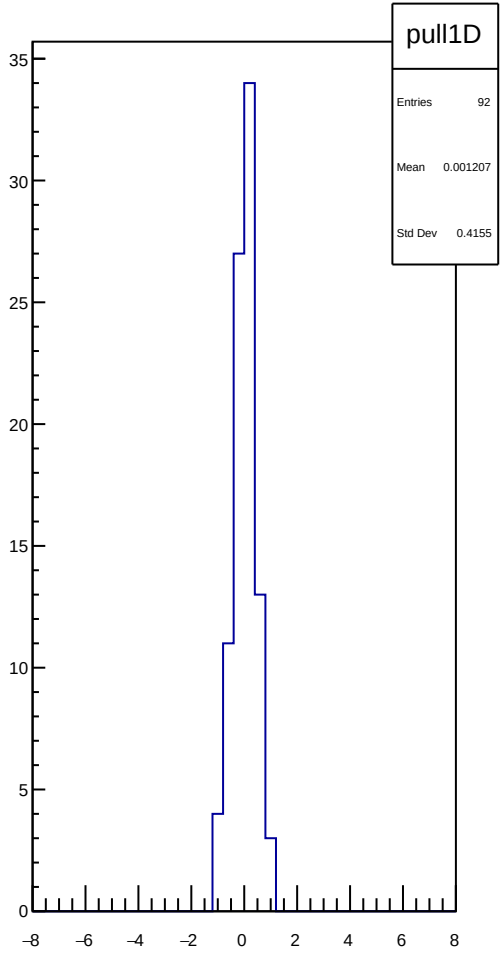

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.82 / 91
p0 192.7 ± 5.439
300
250
200
150
100
pull
Entries 92
Mean 356.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 0.004527
Std Dev 0.4014
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

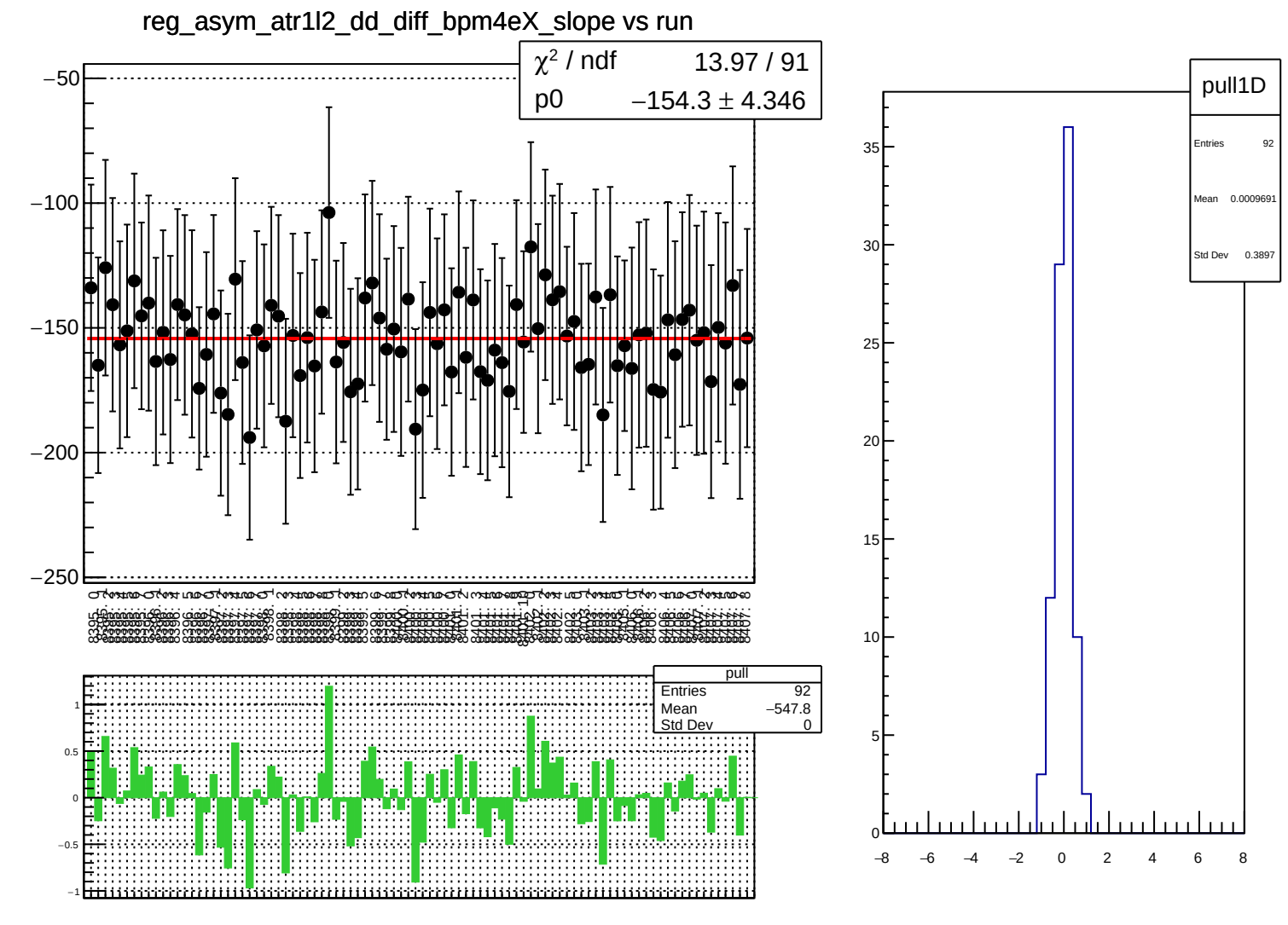

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.144 / 91
p0 29.78 ± 9.254
pull
Entries 92
Mean 250.6
Std Dev 0
pull1D
Entries 92
Mean 0.003978
Std Dev 0.3152

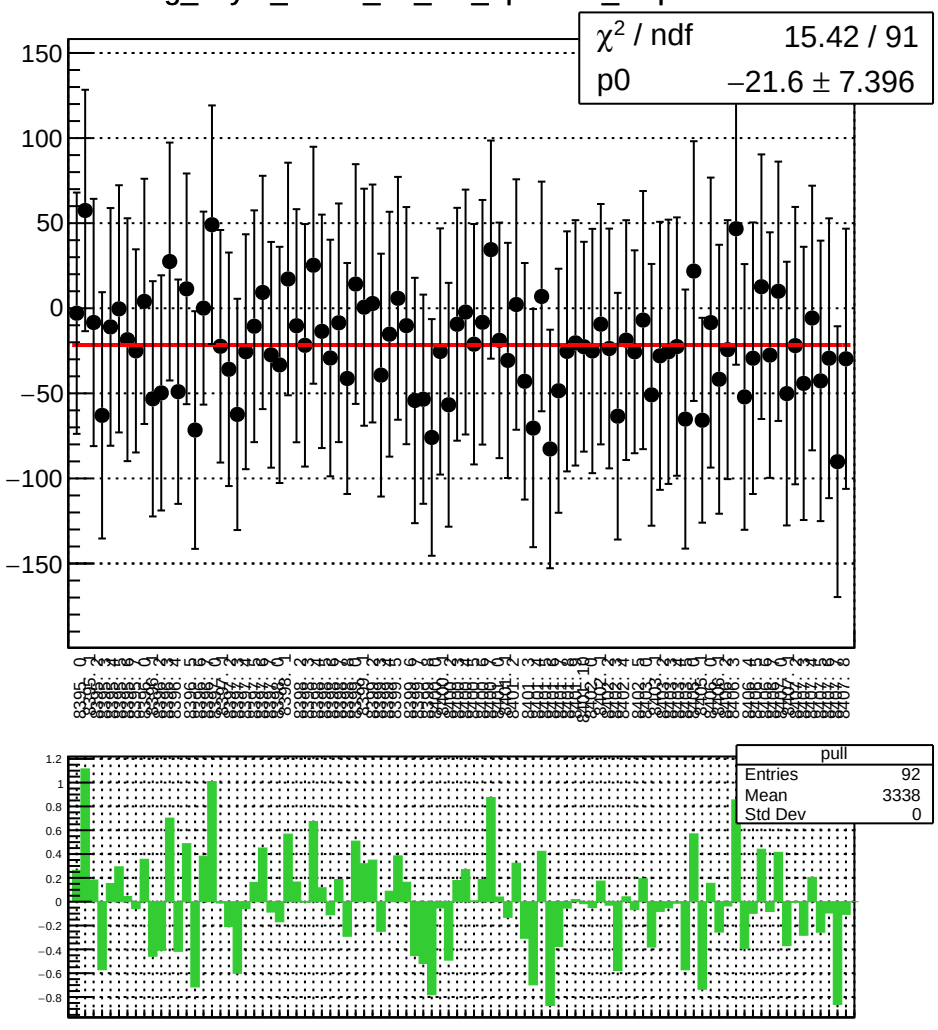

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.57 / 91
p0 −160.4 ± 0.5699
−145
−150
−155
−160
−165
−170
−175
pull
Entries 92
Mean 196.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.01775
Std Dev 0.5371
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

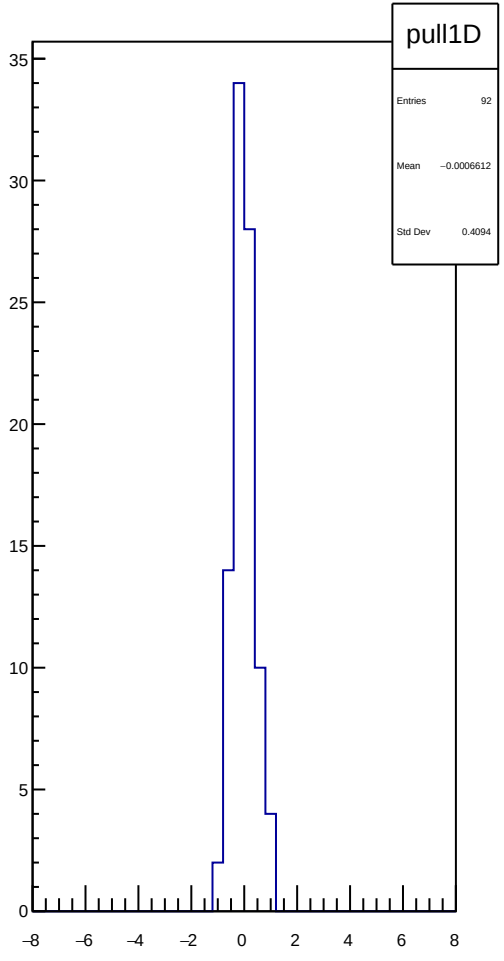

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 13.25 / 91
p0 184.5 ± 3.891
pull
Entries 92
Mean −3164
Std Dev 0
pull1D
Entries 92
Mean −0.000316
Std Dev 0.3795

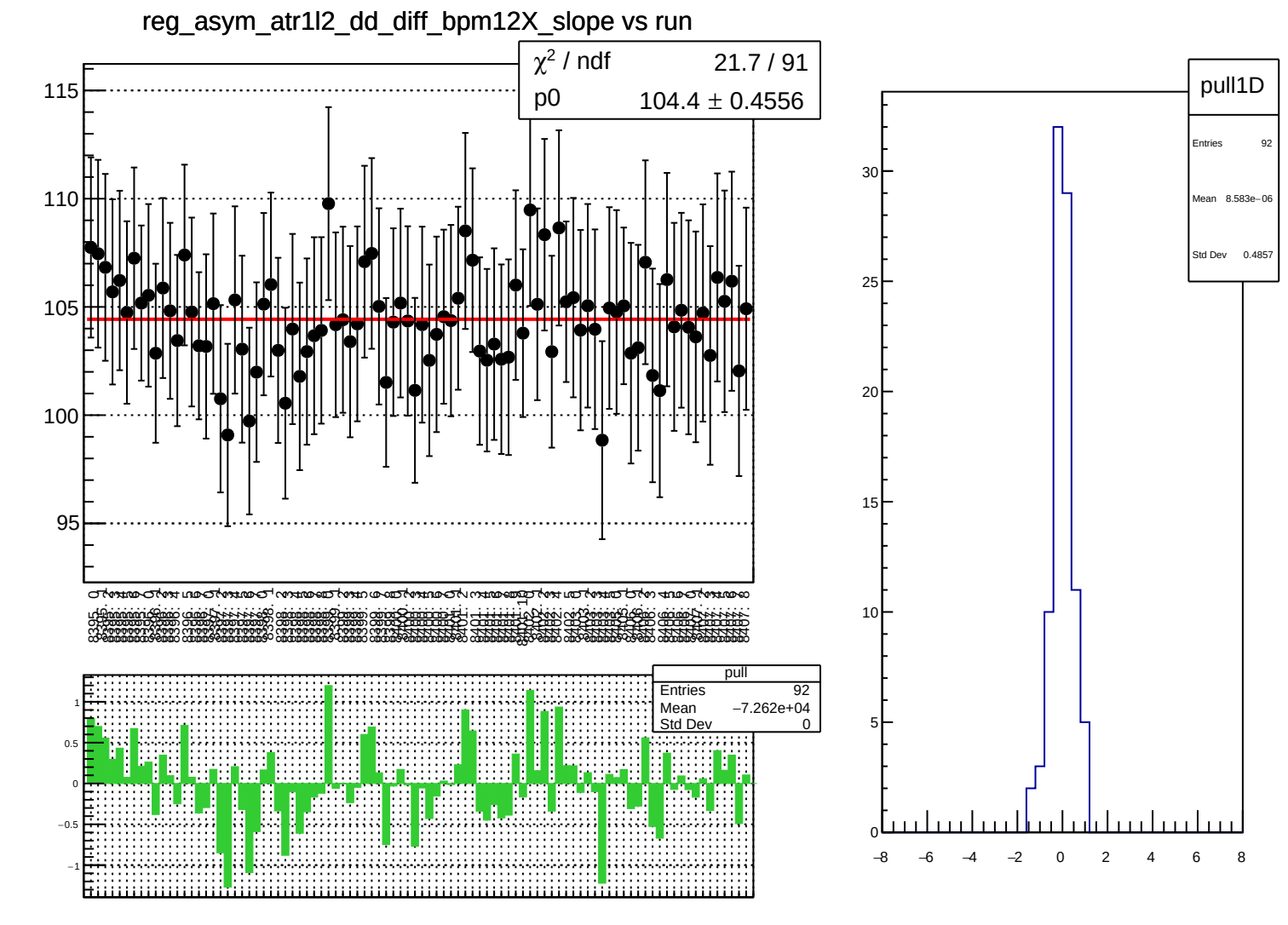

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.88 / 91
p0 −34.8 ± 7.077
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 2153
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

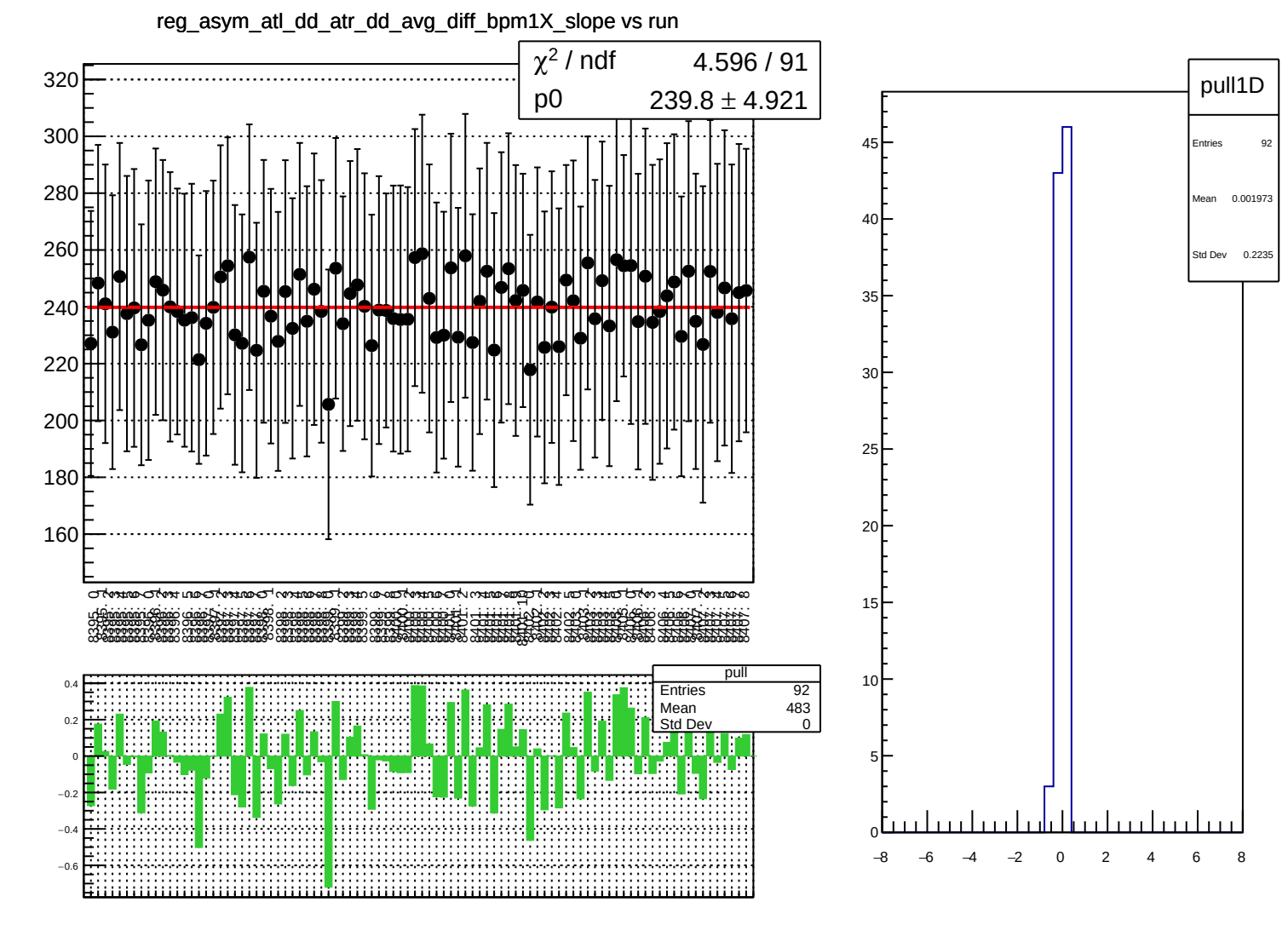

pull1D
Entries 92
Mean 0.001207
Std Dev 0.4155
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

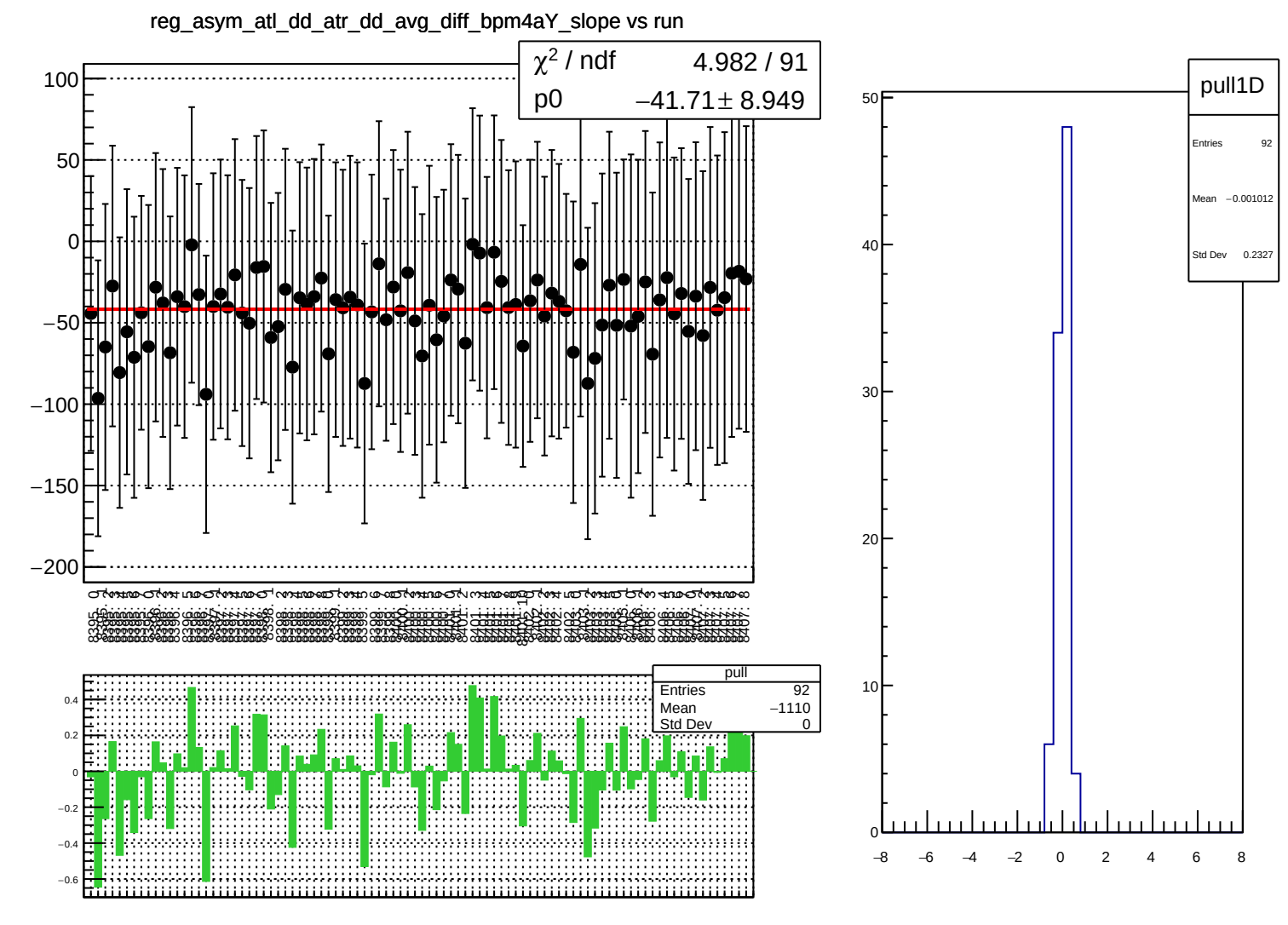

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.97 / 91
p0 −154.3 ± 4.346
pull
Entries 92
Mean −547.8
Std Dev 0
pull1D
Entries 92
Mean 0.0009691
Std Dev 0.3897

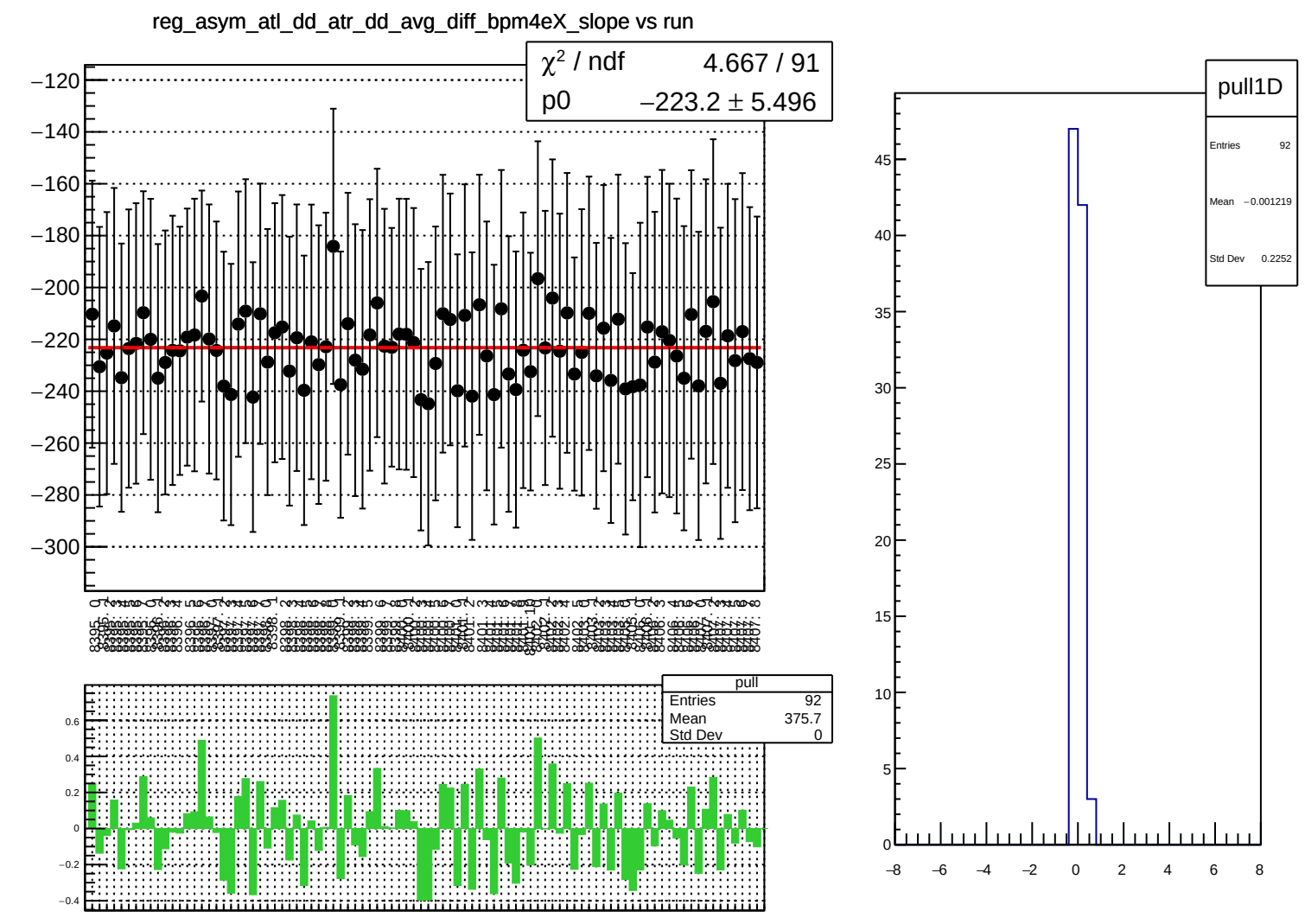

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.42 / 91
p0 −21.6 ± 7.396
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 3338
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

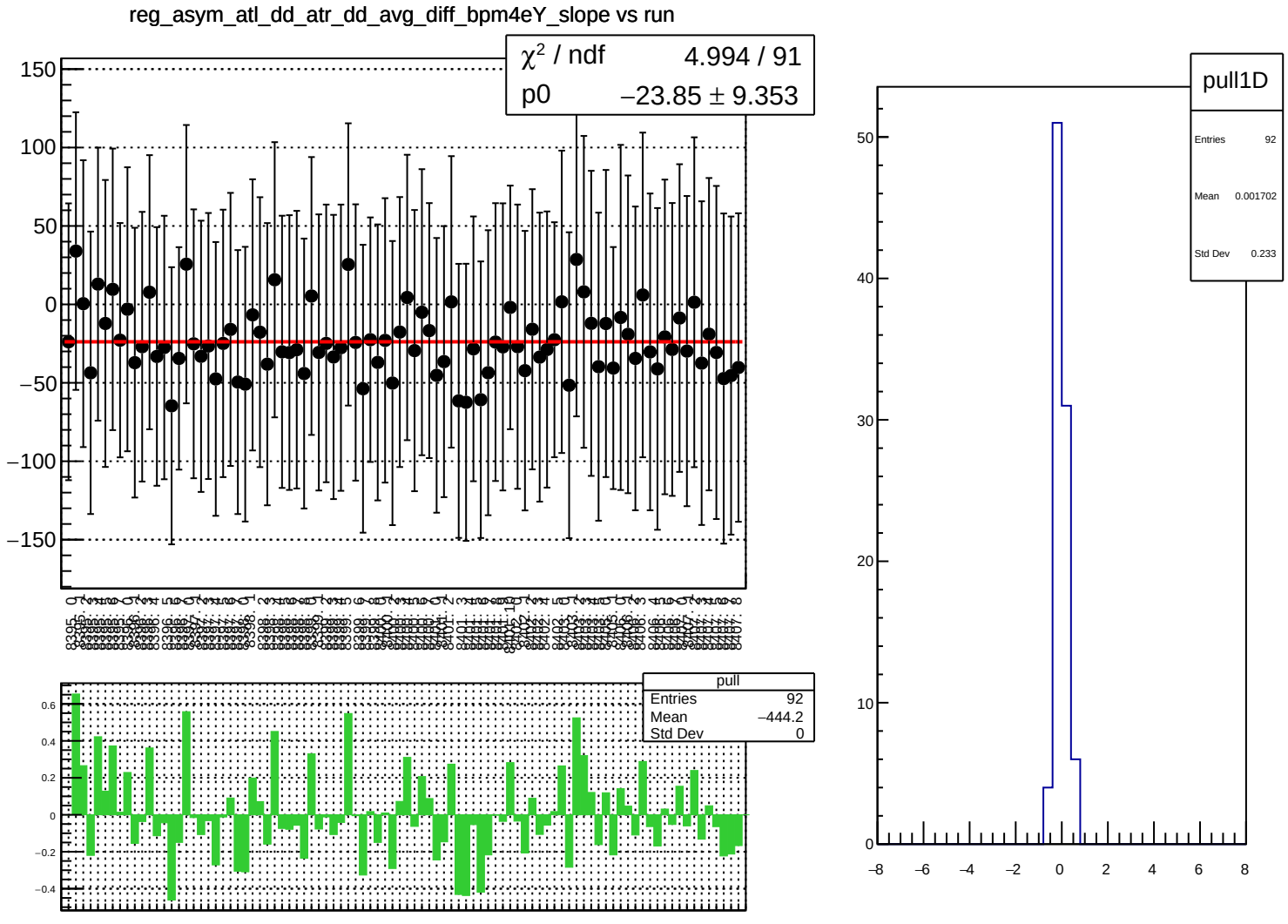

pull1D
Entries 92
Mean −0.0006612
Std Dev 0.4094
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

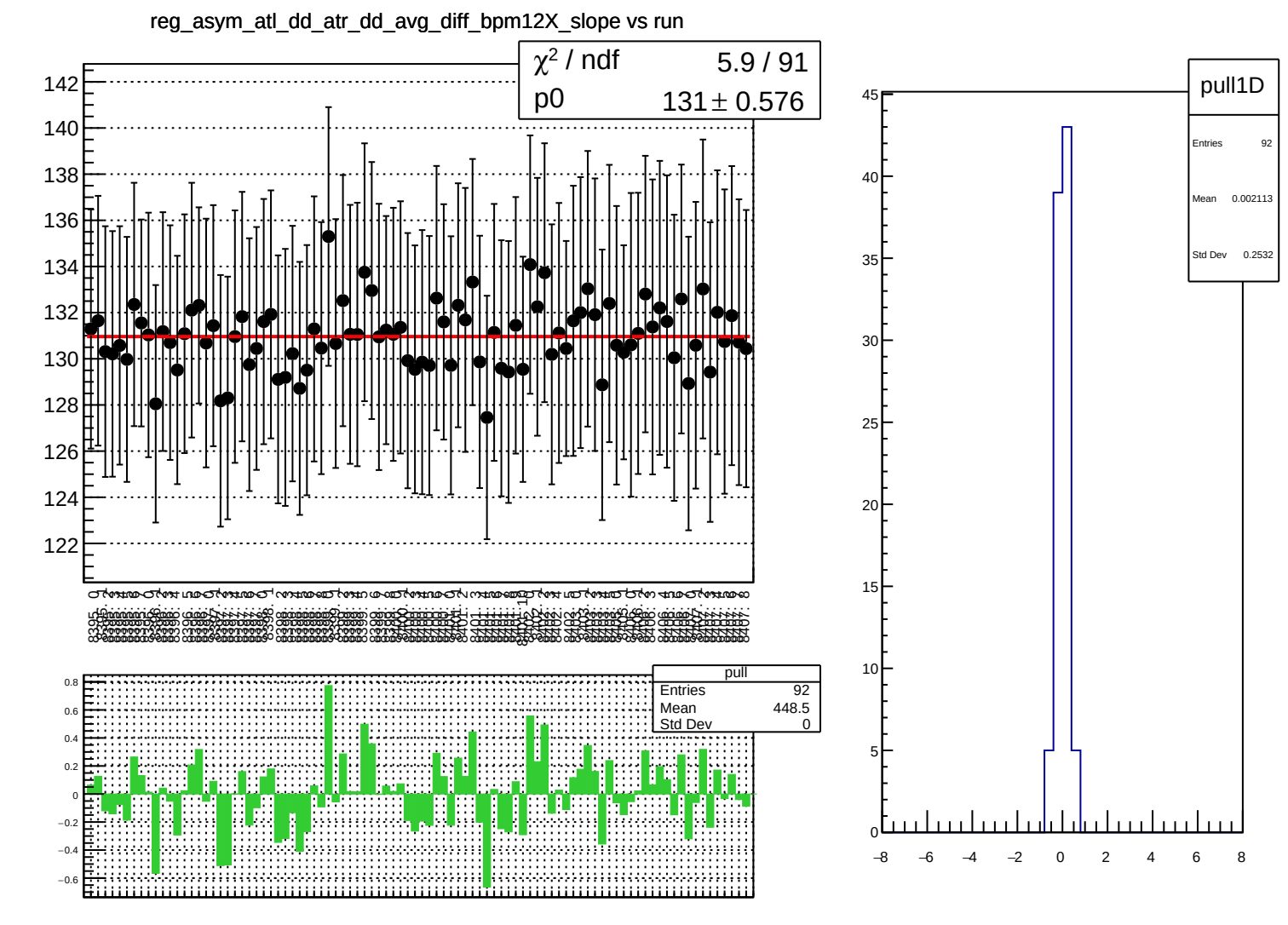

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 21.7 / 91
p0 104.4 ± 0.4556
115
110
105
100
95
pull
Entries 92
Mean −7.262e+04
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 8.583e−06
Std Dev 0.4857
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

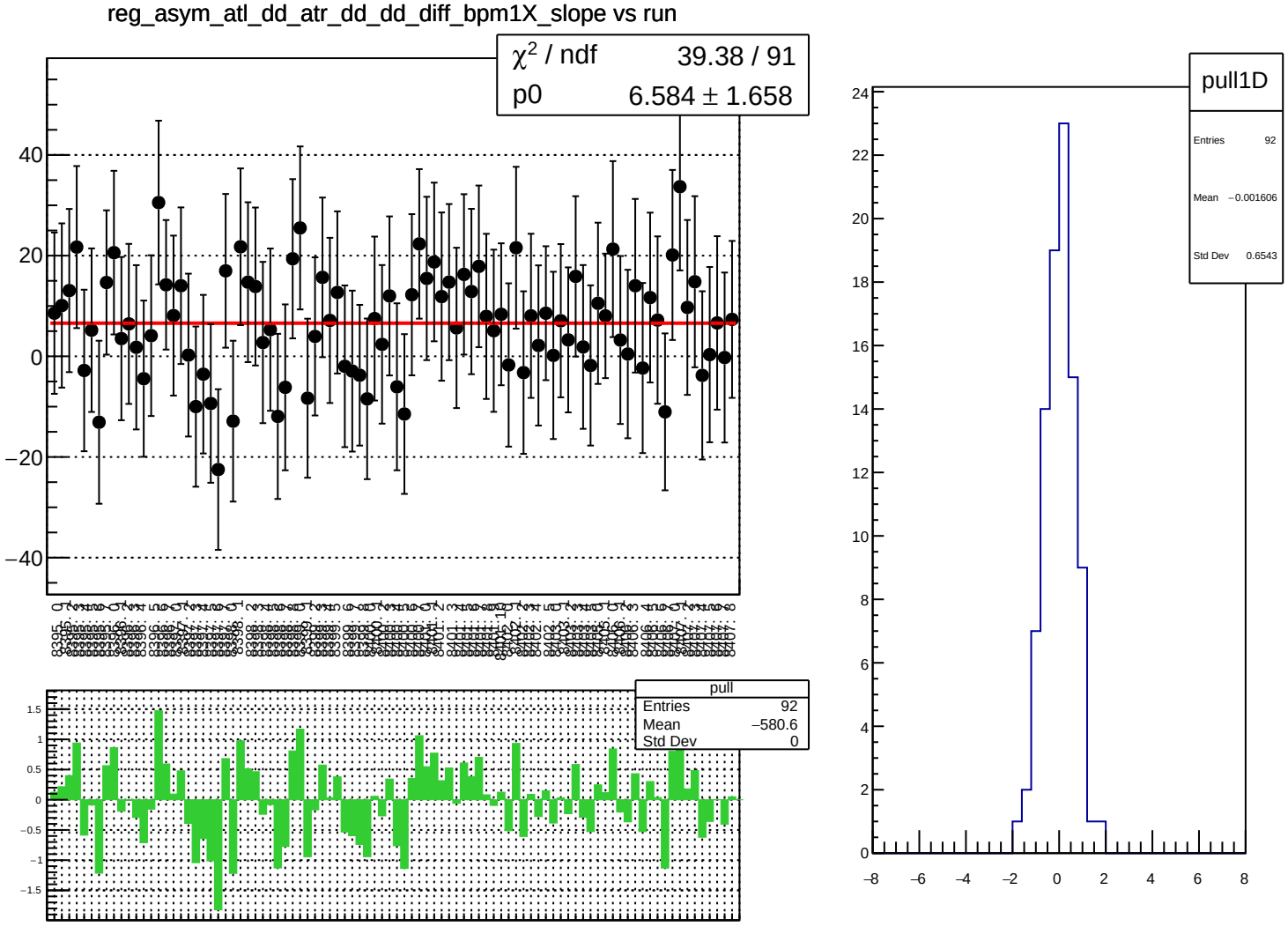

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 4.596 / 91
p0 239.8 ± 4.921
320
300
280
260
240
220
200
180
160
pull
Entries 92
Mean 483
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.001973
Std Dev 0.2235
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

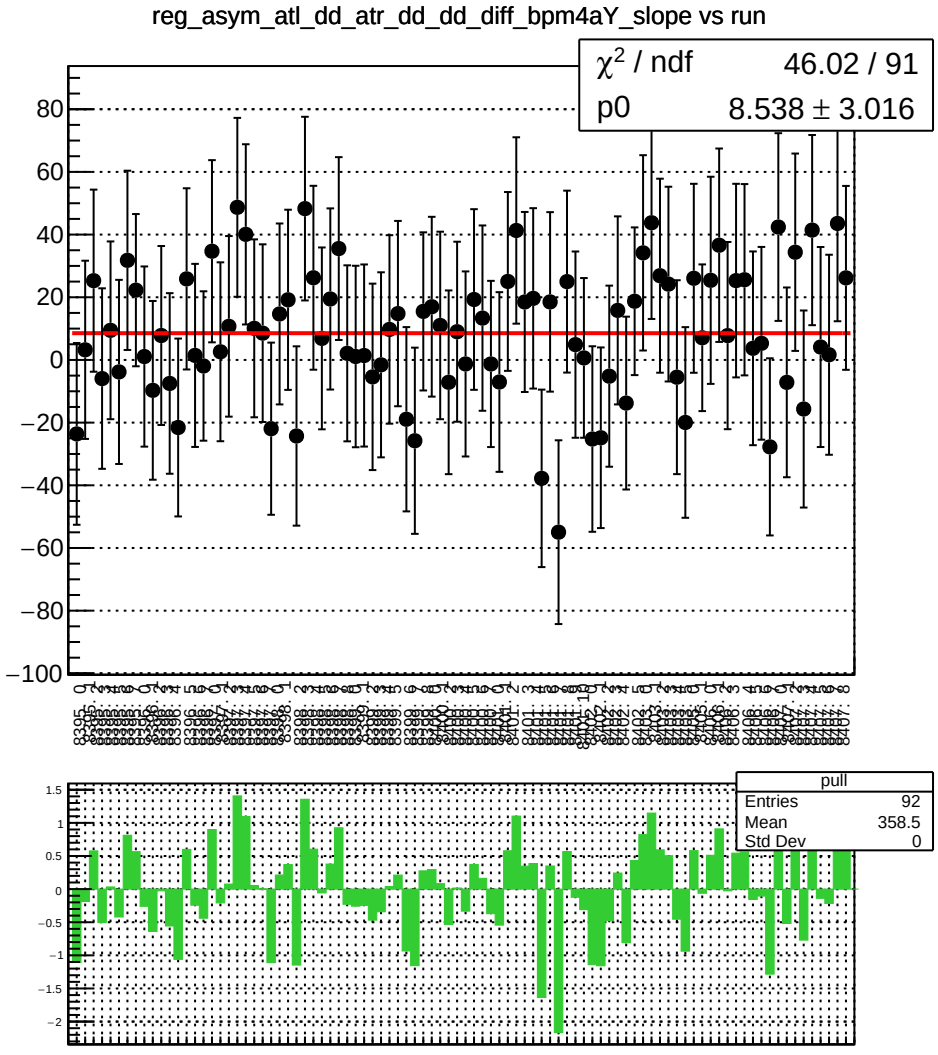

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.982 / 91
p0 −41.71 ± 8.949
pull
Entries 92
Mean −1110
Std Dev 0
pull1D
Entries 92
Mean −0.001012
Std Dev 0.2327

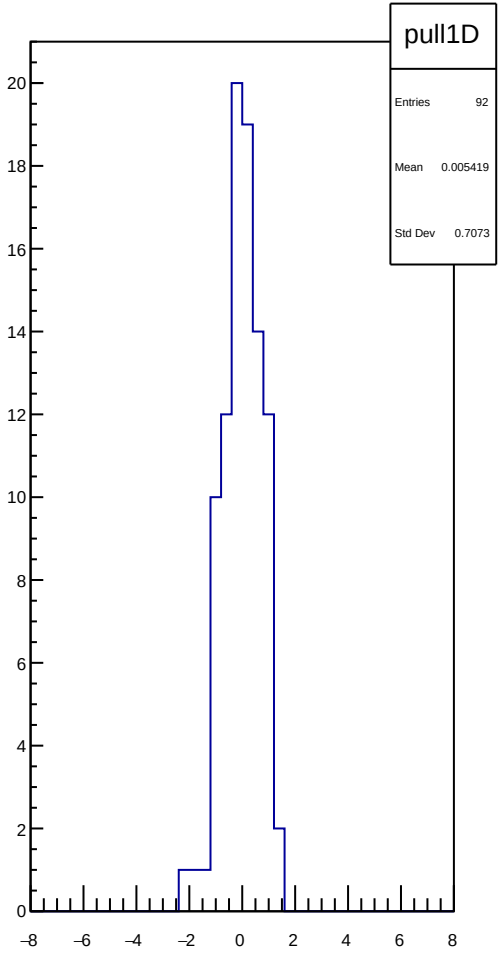

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.667 / 91
p0 −223.2 ± 5.496
pull
Entries 92
Mean 375.7
Std Dev 0
pull1D
Entries 92
Mean −0.001219
Std Dev 0.2252

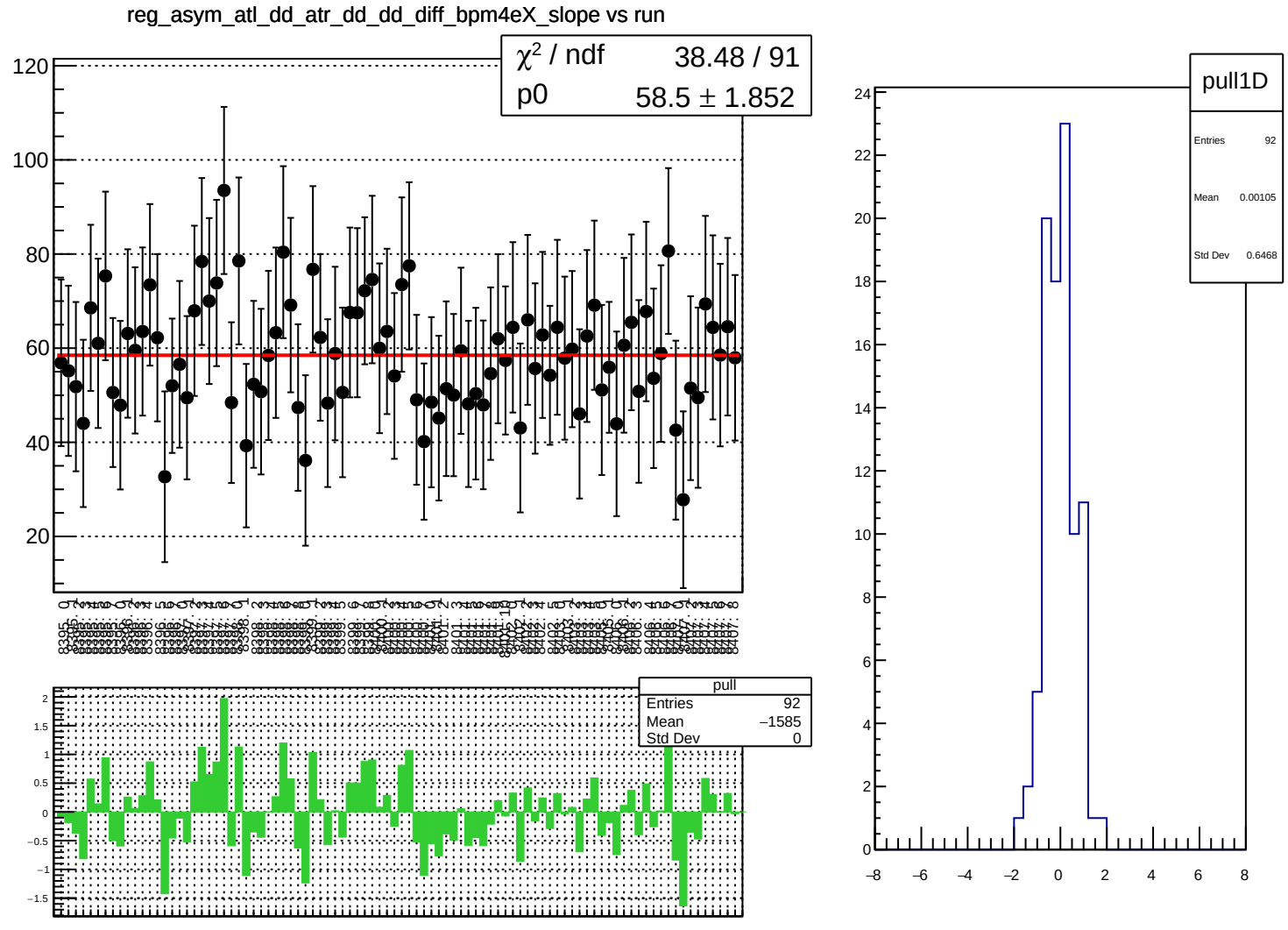

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.994 / 91
p0 −23.85 ± 9.353
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −444.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.001702
Std Dev 0.233
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

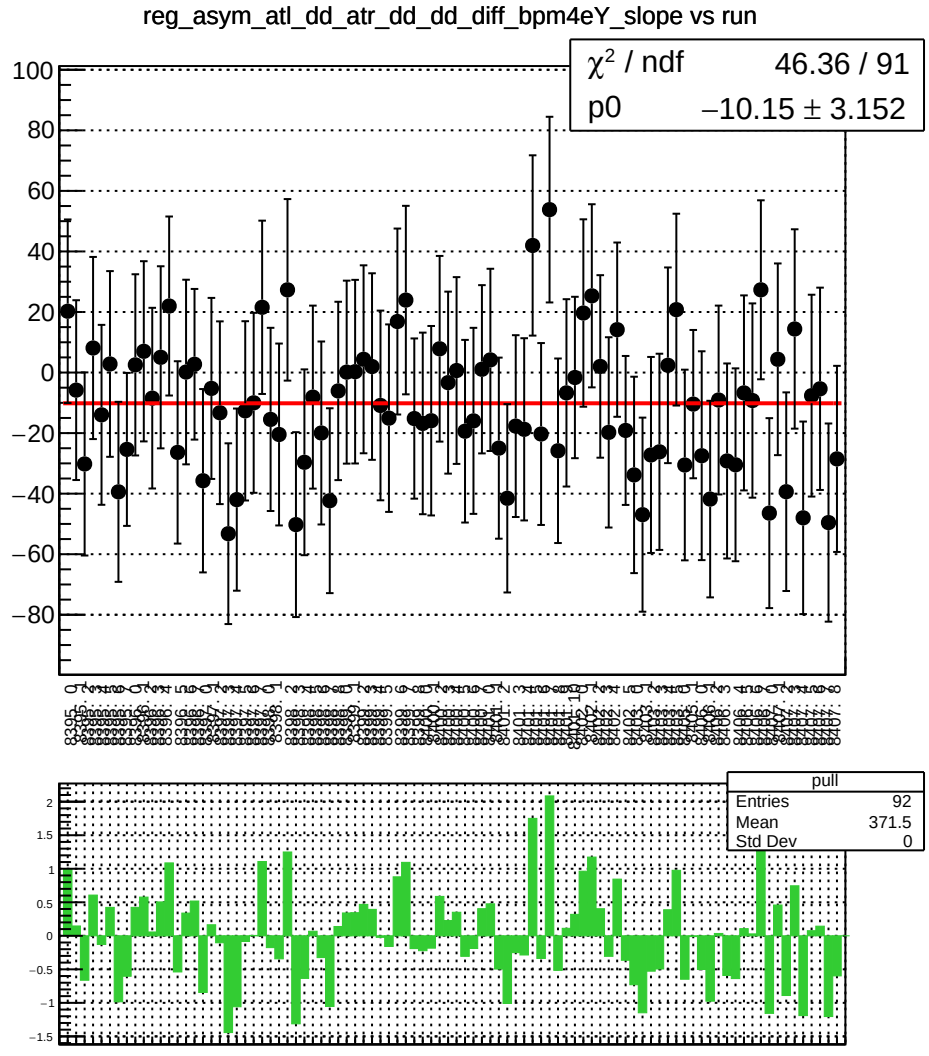

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 5.9 / 91
p0 131 ± 0.576
pull
Entries 92
Mean 448.5
Std Dev 0
pull1D
Entries 92
Mean 0.002113
Std Dev 0.2532

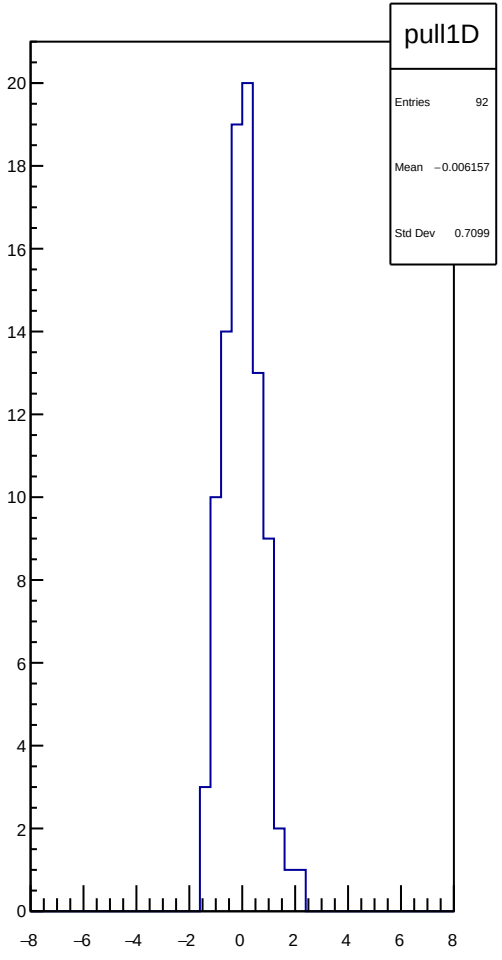

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 39.38 / 91
p0 6.584 ± 1.658
pull
Entries 92
Mean −580.6
Std Dev 0
pull1D
Entries 92
Mean −0.001606
Std Dev 0.6543

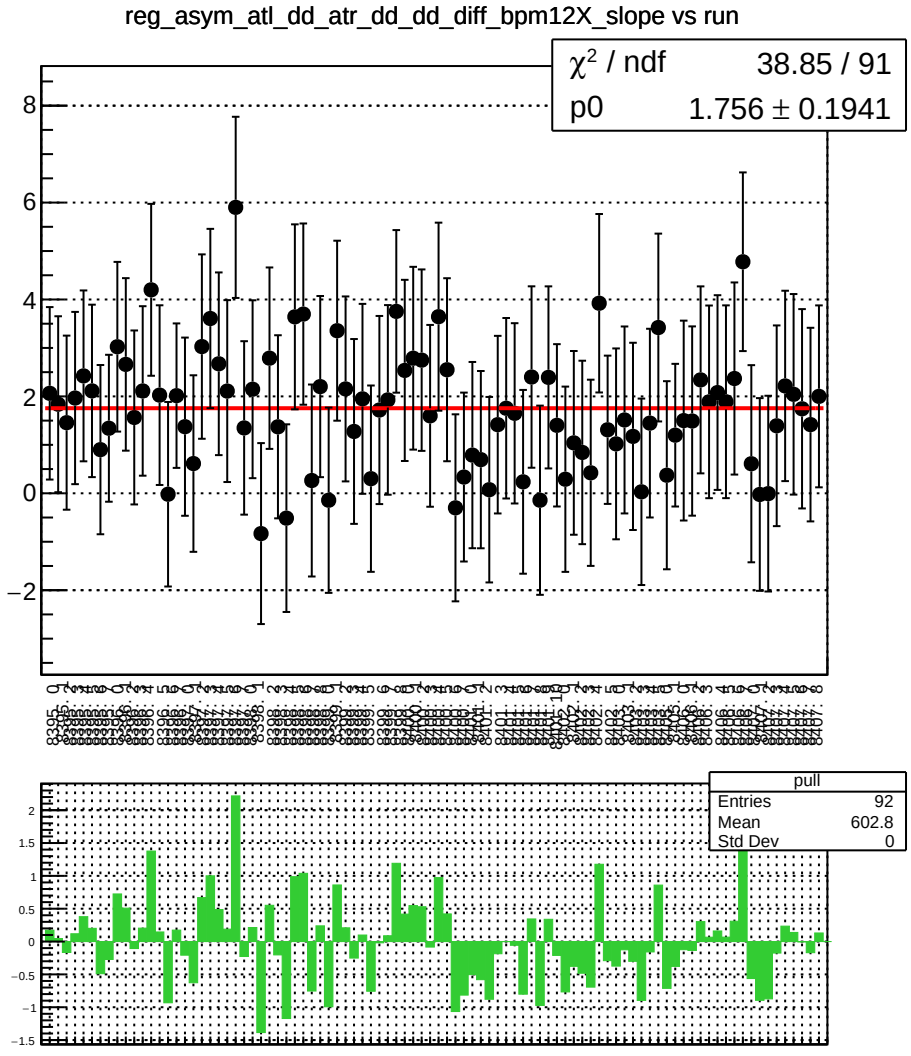

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.02 / 91
p0 8.538 ± 3.016
pull
Entries 92
Mean 358.5
Std Dev 0

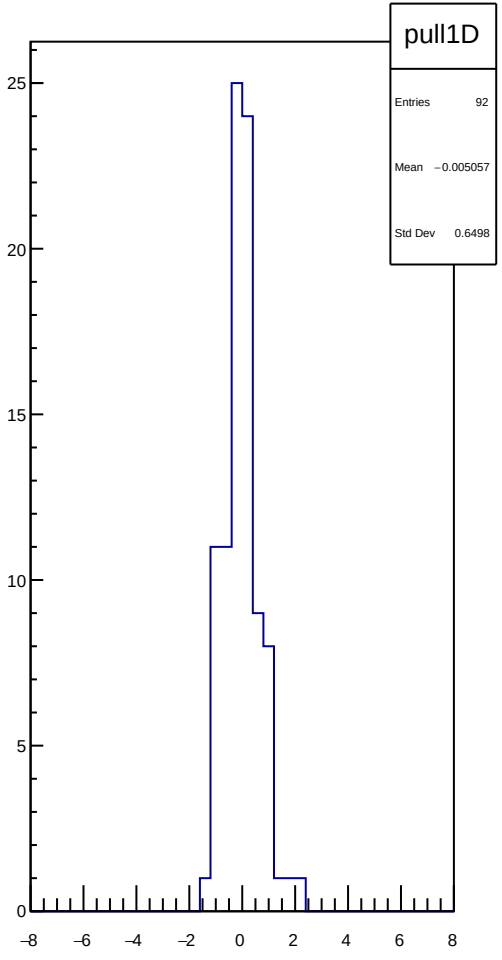

pull1D
Entries 92
Mean 0.005419
Std Dev 0.7073

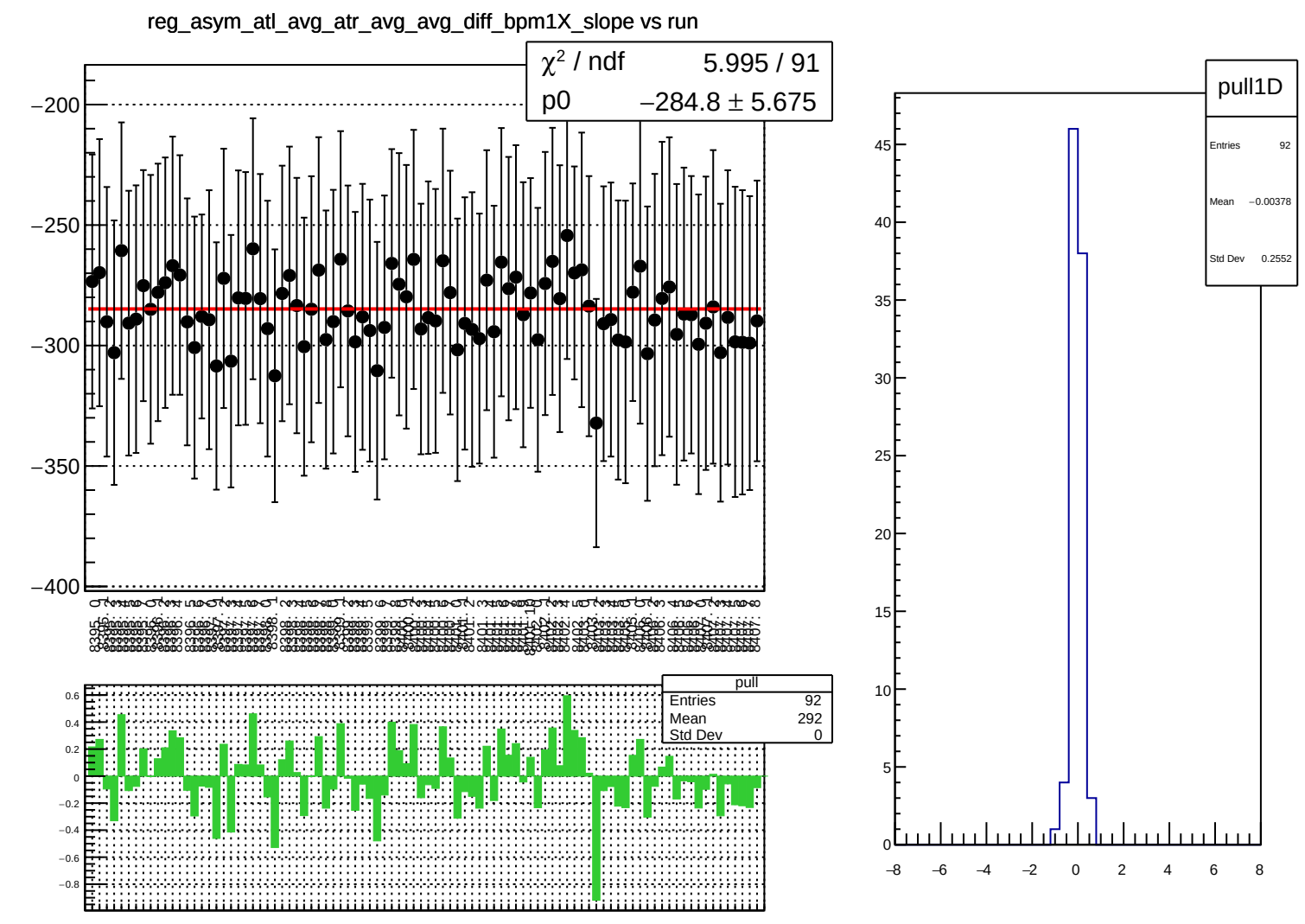

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.48 / 91
p0 58.5 ± 1.852
120
100
80
60
40
20
pull
Entries 92
Mean −1585
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean 0.00105
Std Dev 0.6468
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

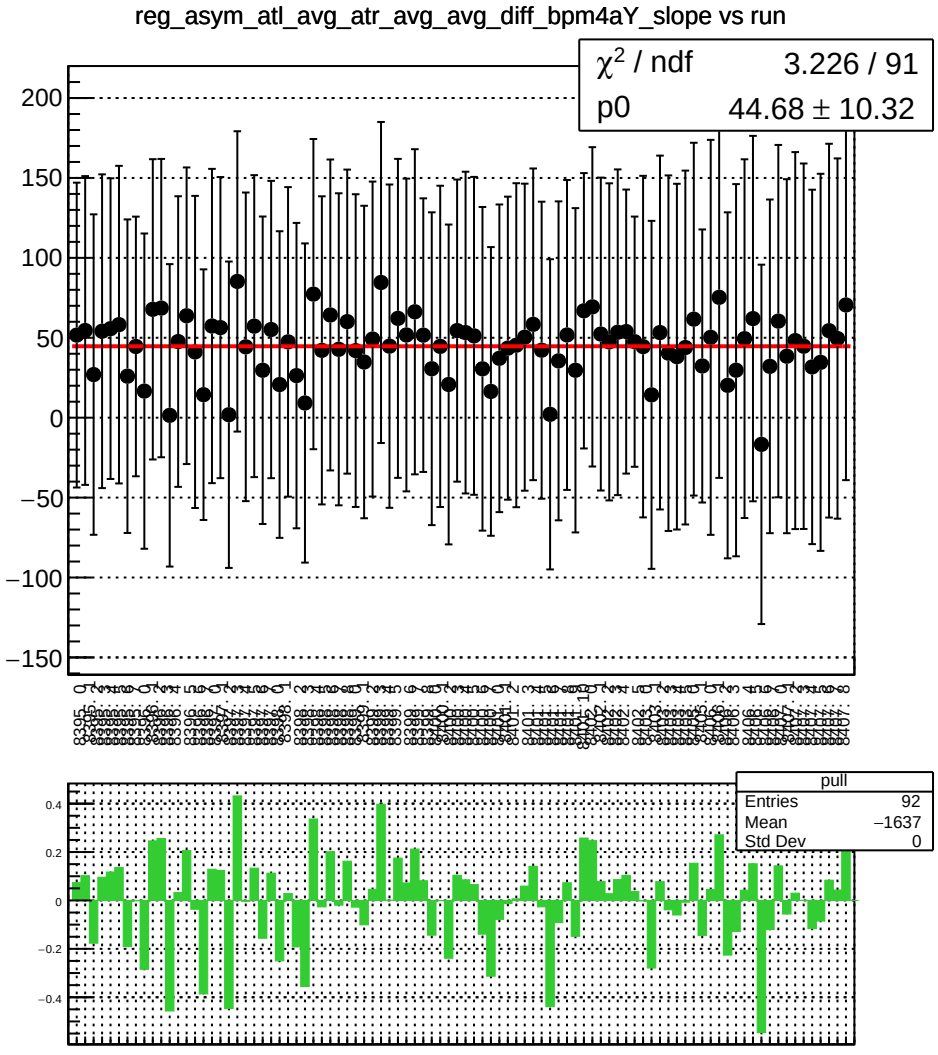

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.36 / 91
p0 −10.15 ± 3.152
pull
Entries 92
Mean 371.5
Std Dev 0

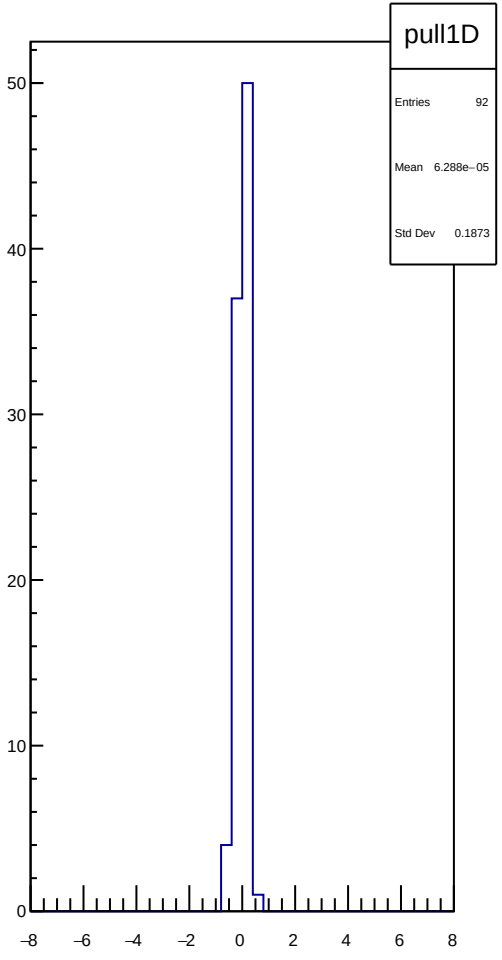

pull1D
Entries 92
Mean −0.006157
Std Dev 0.7099

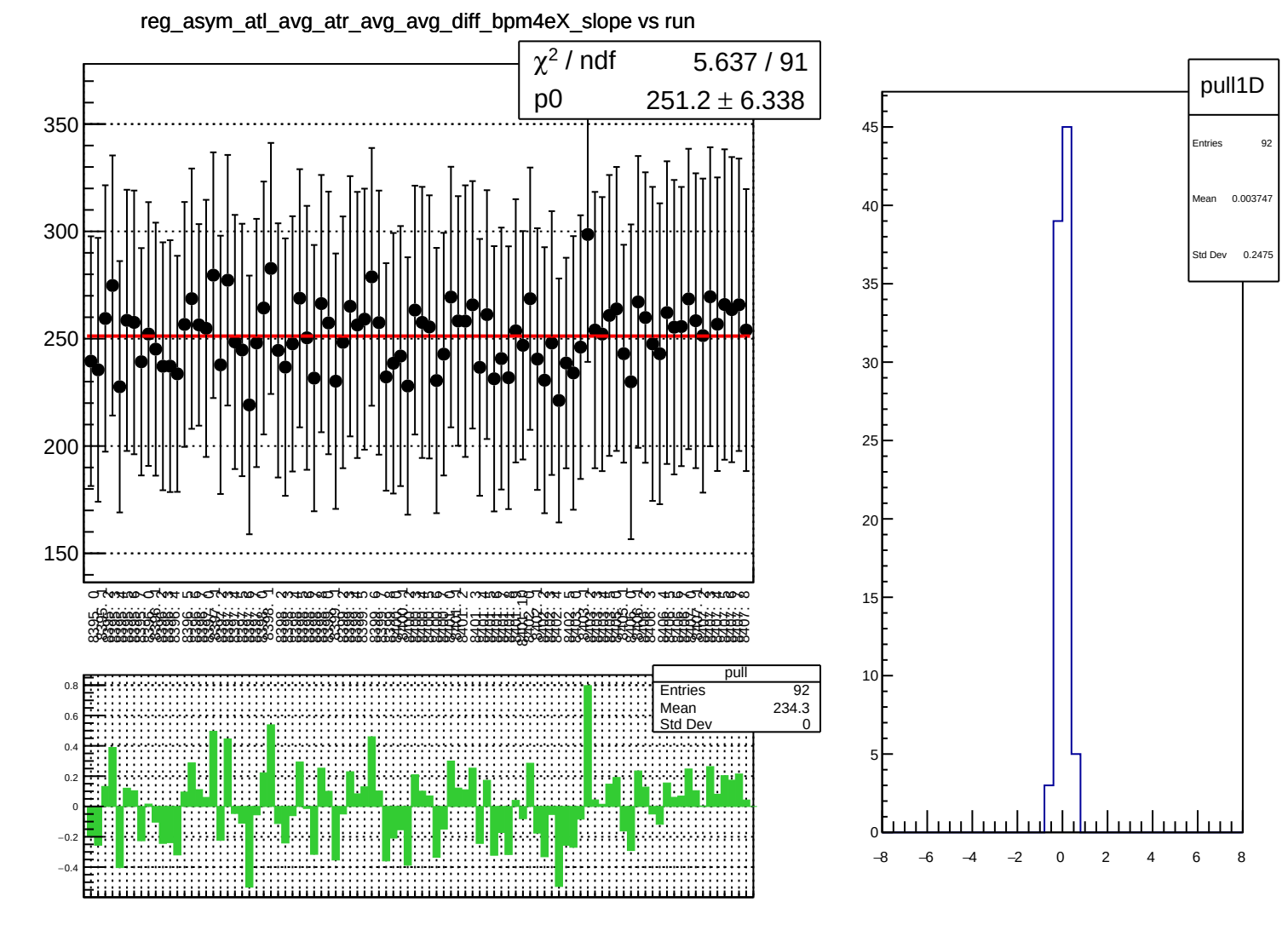

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 38.85 / 91
p0 1.756 ± 0.1941
pull
Entries 92
Mean 602.8
Std Dev 0

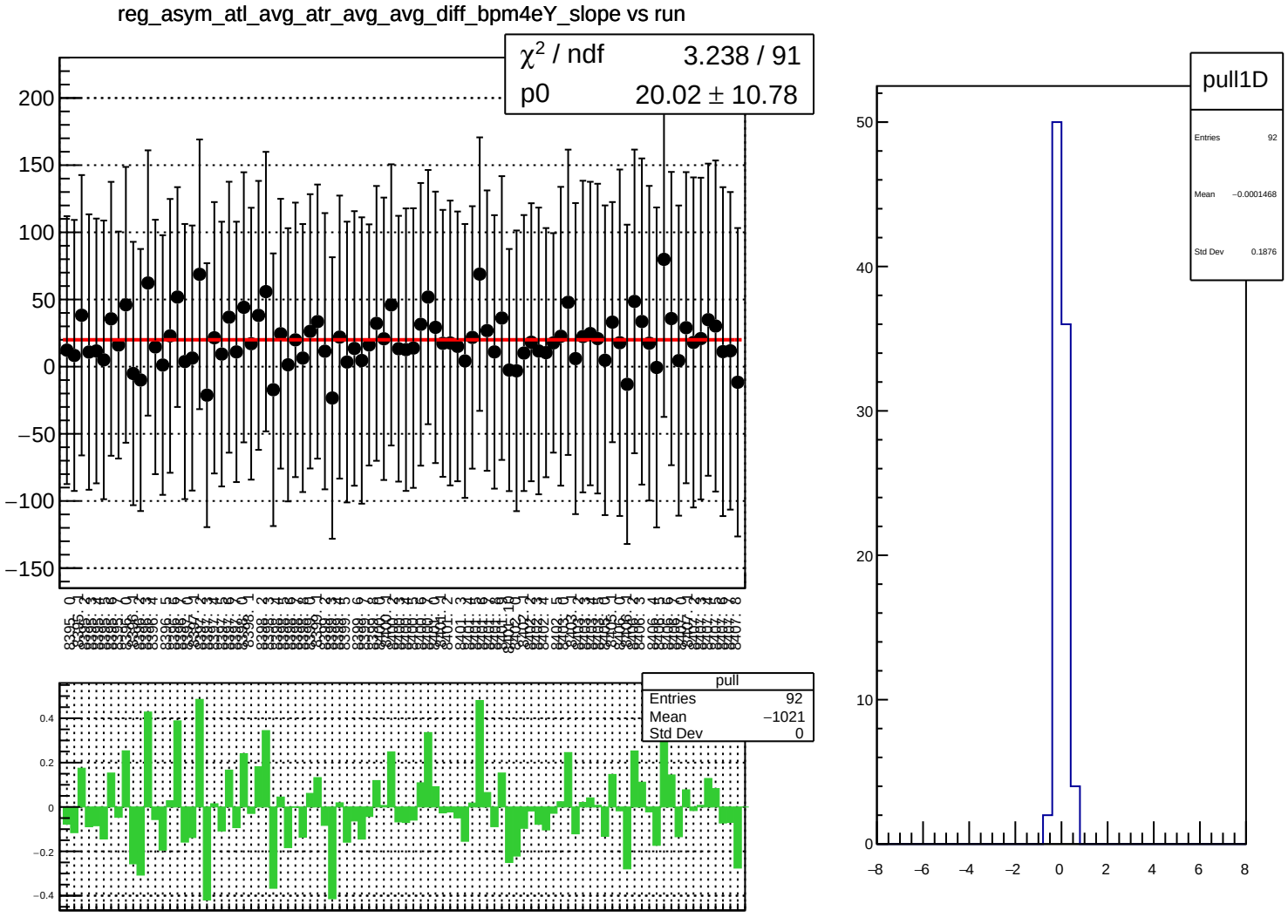

pull1D
Entries 92
Mean −0.005057
Std Dev 0.6498

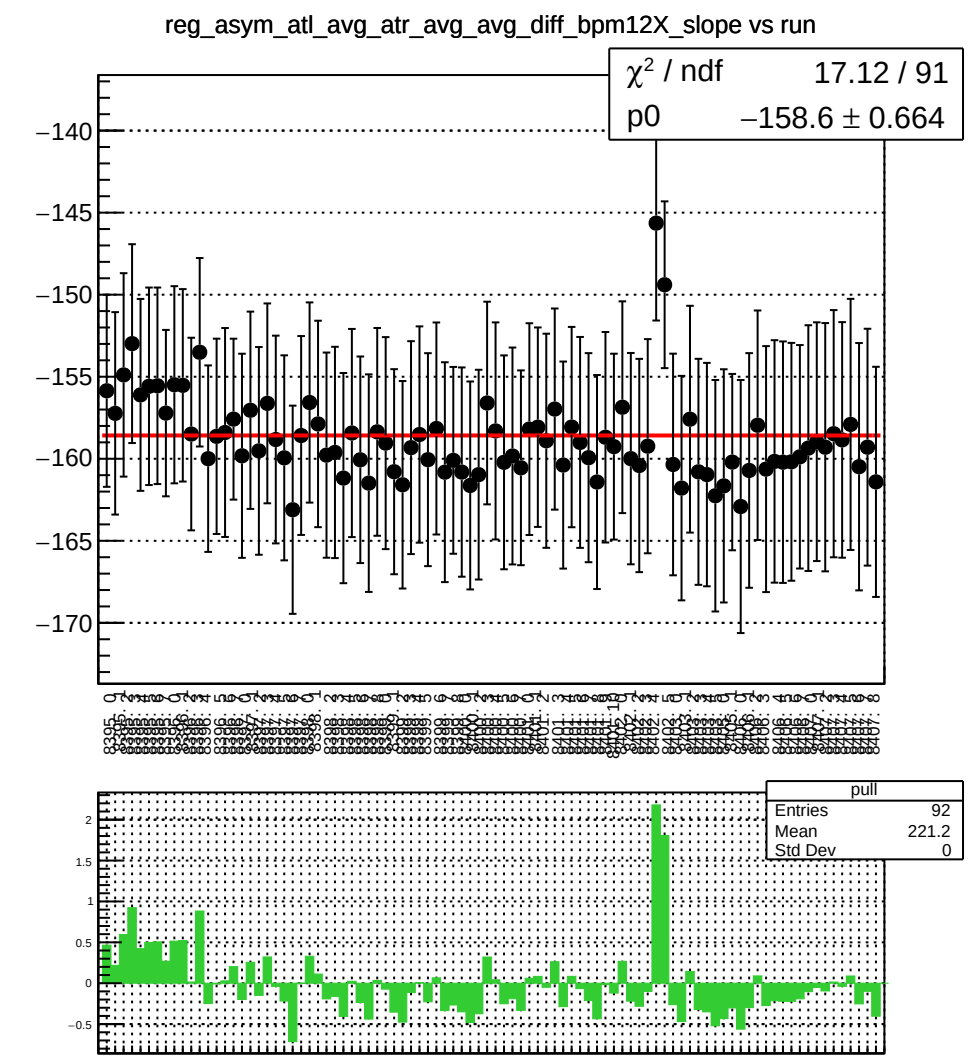

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.995 / 91
p0 −284.8 ± 5.675
−200
−250
−300
−350
−400
pull
Entries 92
Mean 292
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.00378
Std Dev 0.2552
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

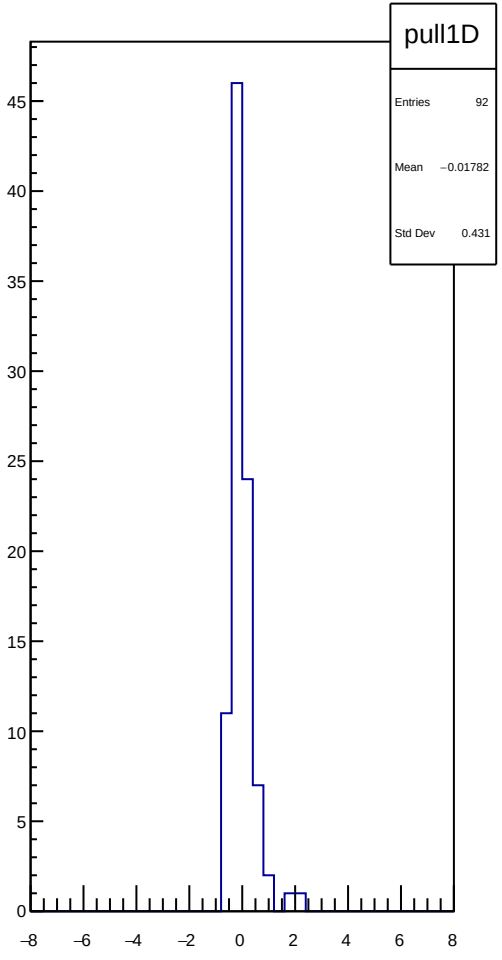

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.226 / 91
p0 44.68 ± 10.32
pull
Entries 92
Mean −1637
Std Dev 0

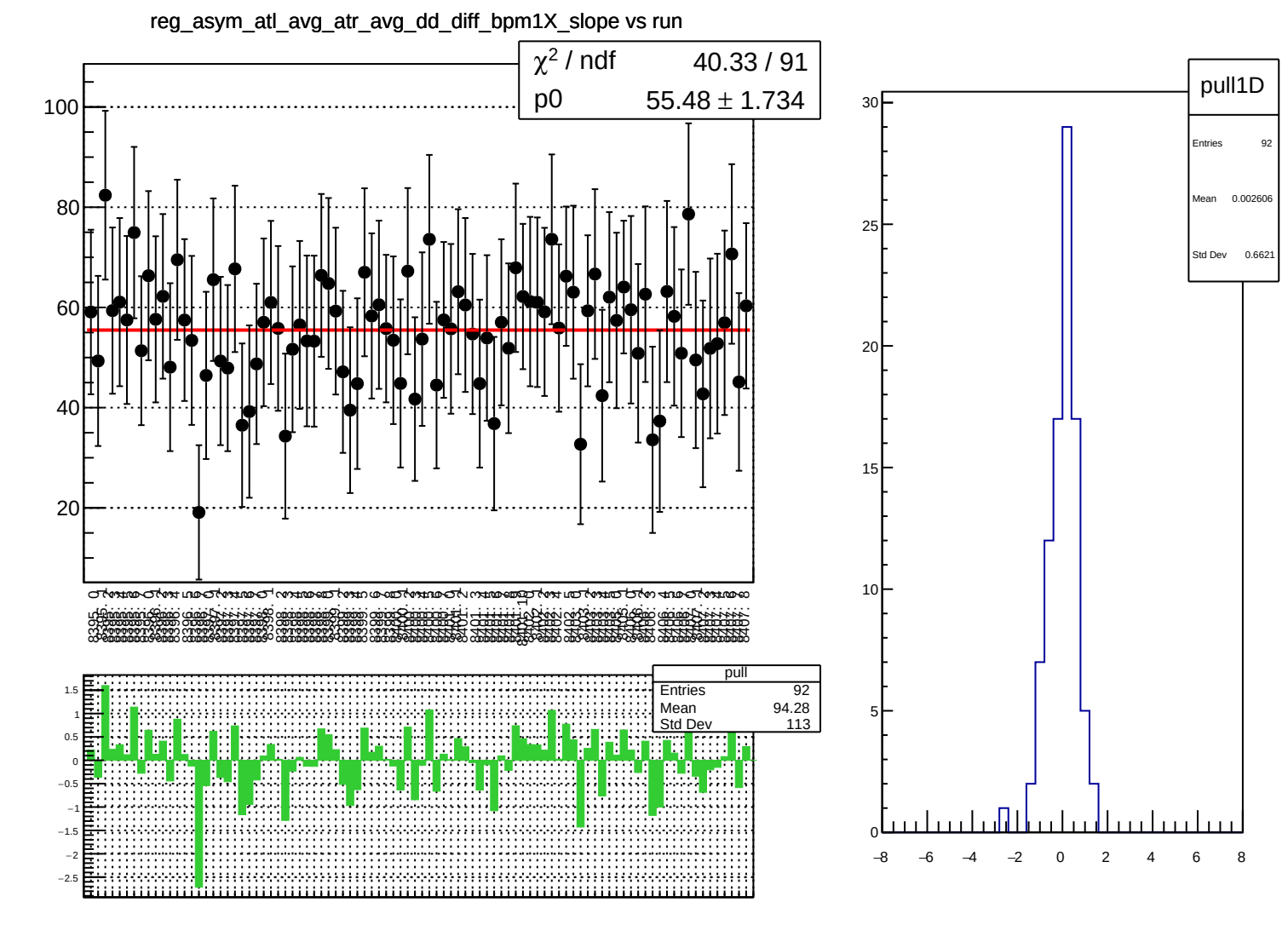

pull1D
Entries 92
Mean 6.288e−05
Std Dev 0.1873

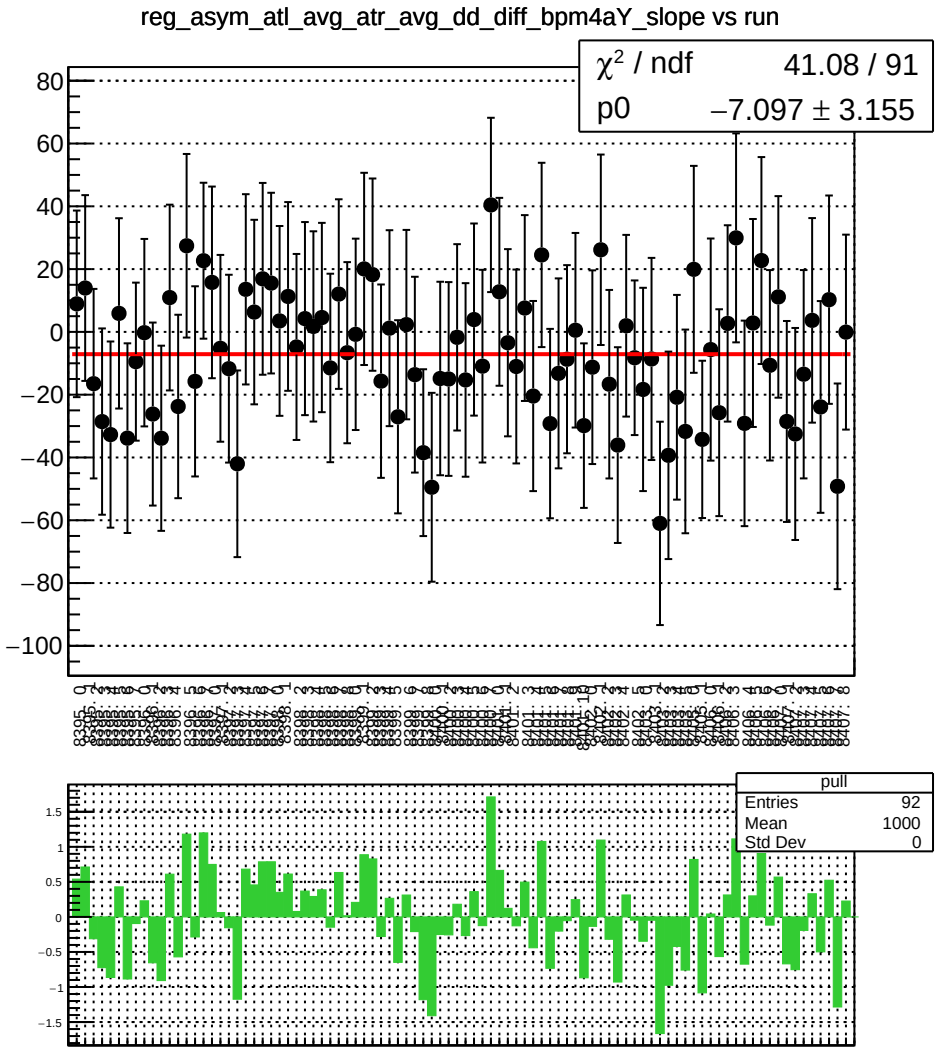

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.637 / 91
p0 251.2 ± 6.338
350
300
250
200
150
pull
Entries 92
Mean 234.3
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.003747
Std Dev 0.2475
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

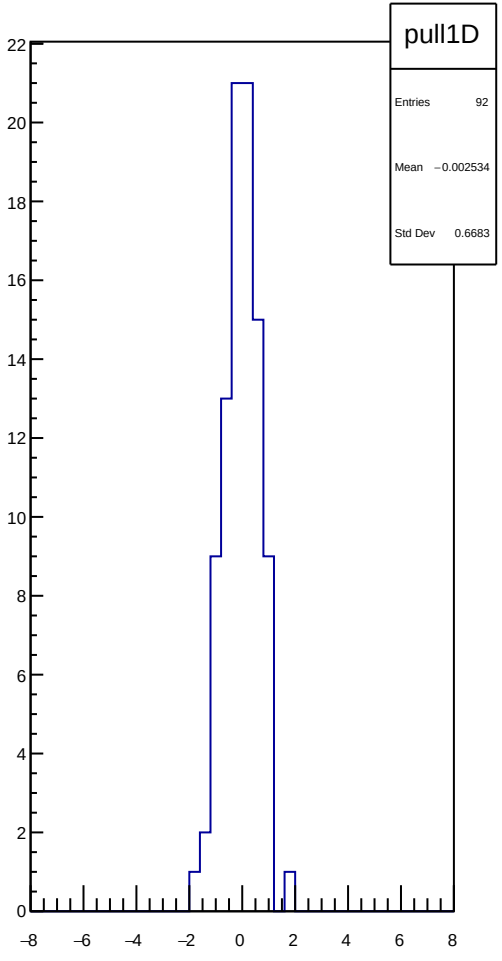

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.238 / 91
p0 20.02 ± 10.78
pull
Entries 92
Mean −1021
Std Dev 0
pull1D
Entries 92
Mean −0.0001468
Std Dev 0.1876

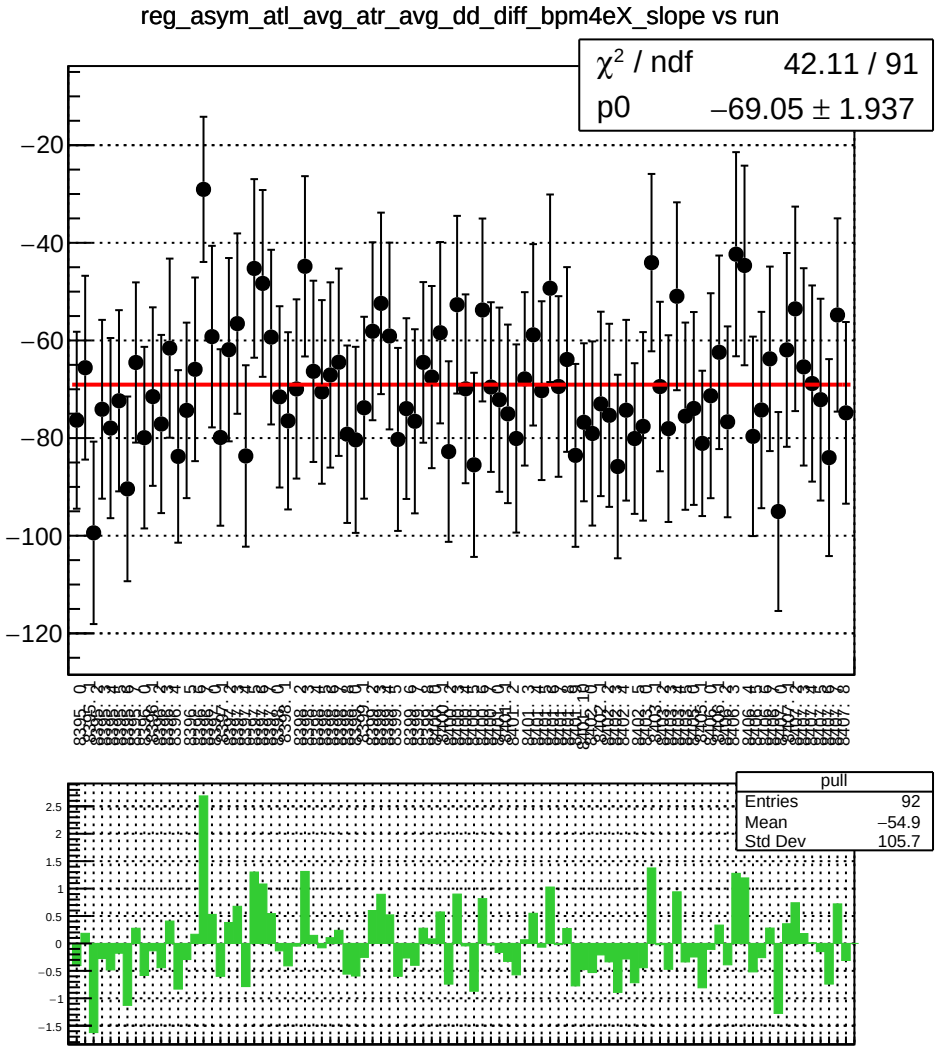

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 17.12 / 91
p0 −158.6 ± 0.664
pull
Entries 92
Mean 221.2
Std Dev 0

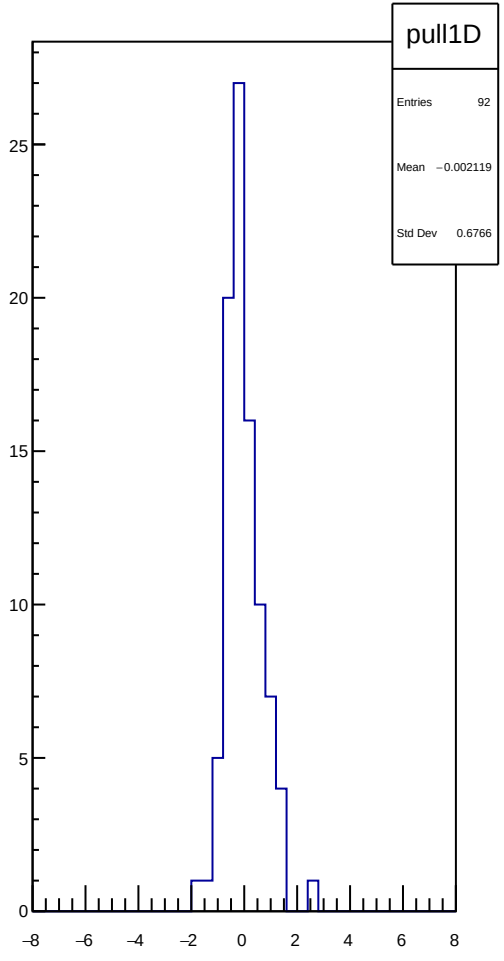

pull1D
Entries 92
Mean −0.01782
Std Dev 0.431

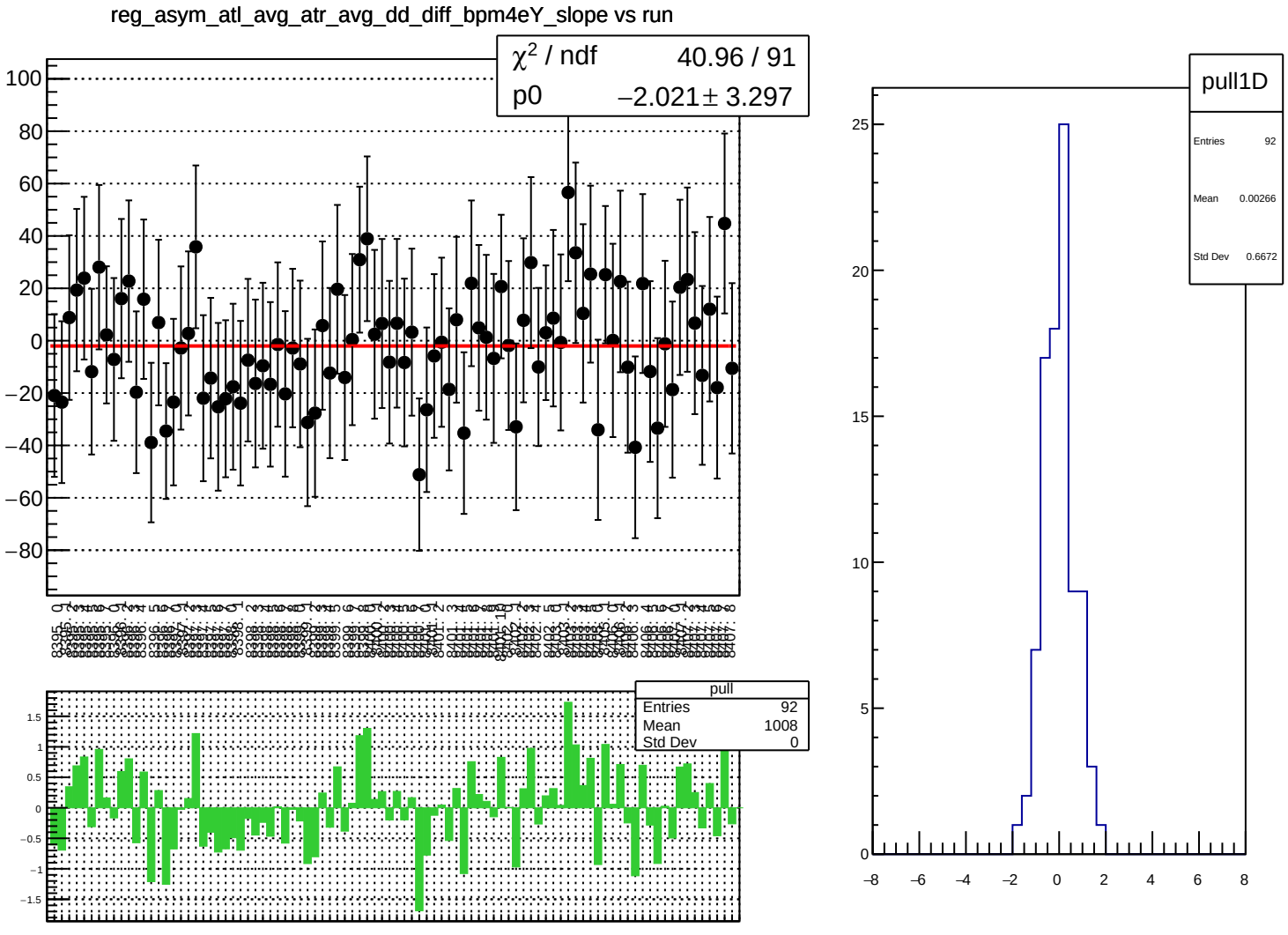

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 40.33 / 91
p0 55.48 ± 1.734
pull
Entries 92
Mean 94.28
Std Dev 113
pull1D
Entries 92
Mean 0.002606
Std Dev 0.6621

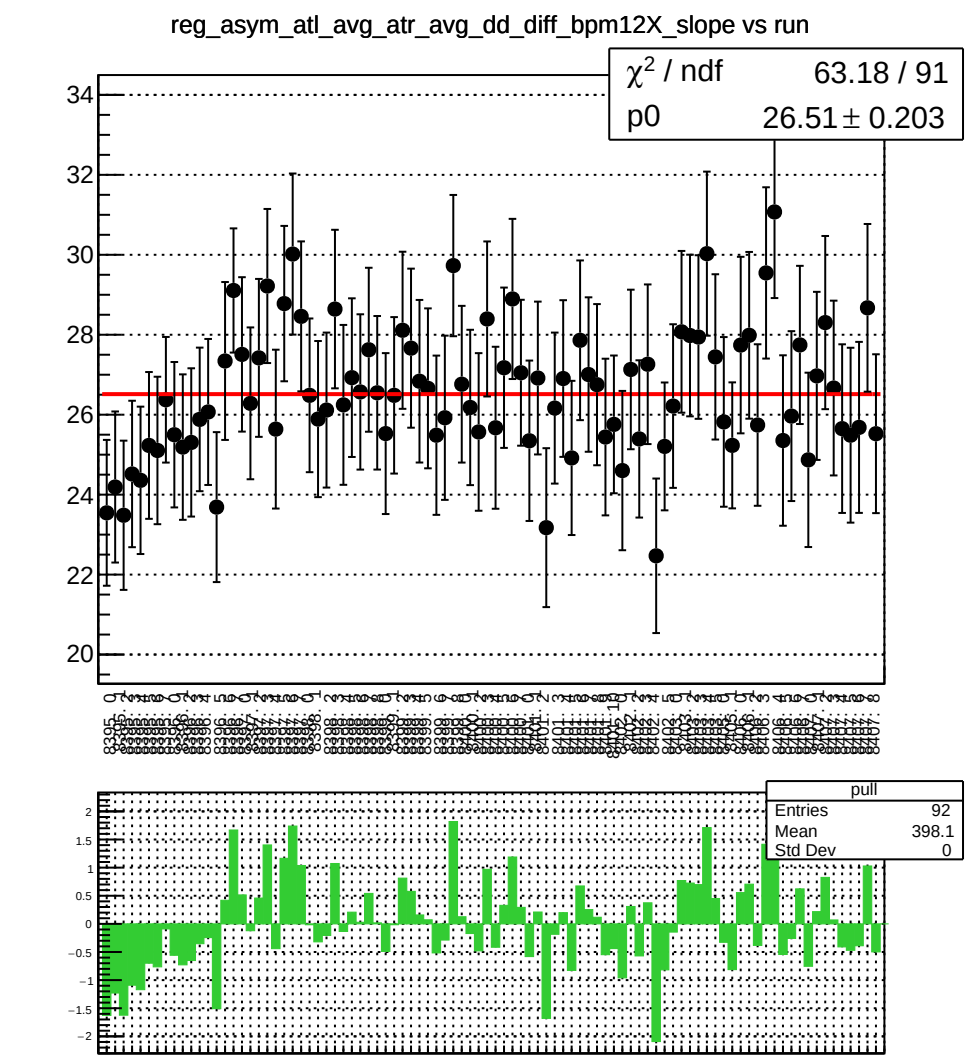

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.08 / 91
p0 −7.097 ± 3.155
pull
Entries 92
Mean 1000
Std Dev 0

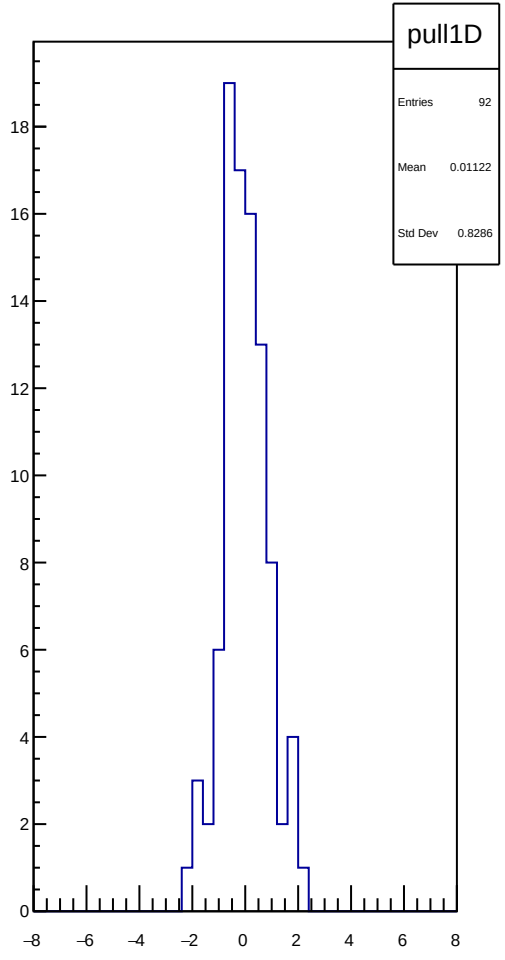

pull1D
Entries 92
Mean −0.002534
Std Dev 0.6683

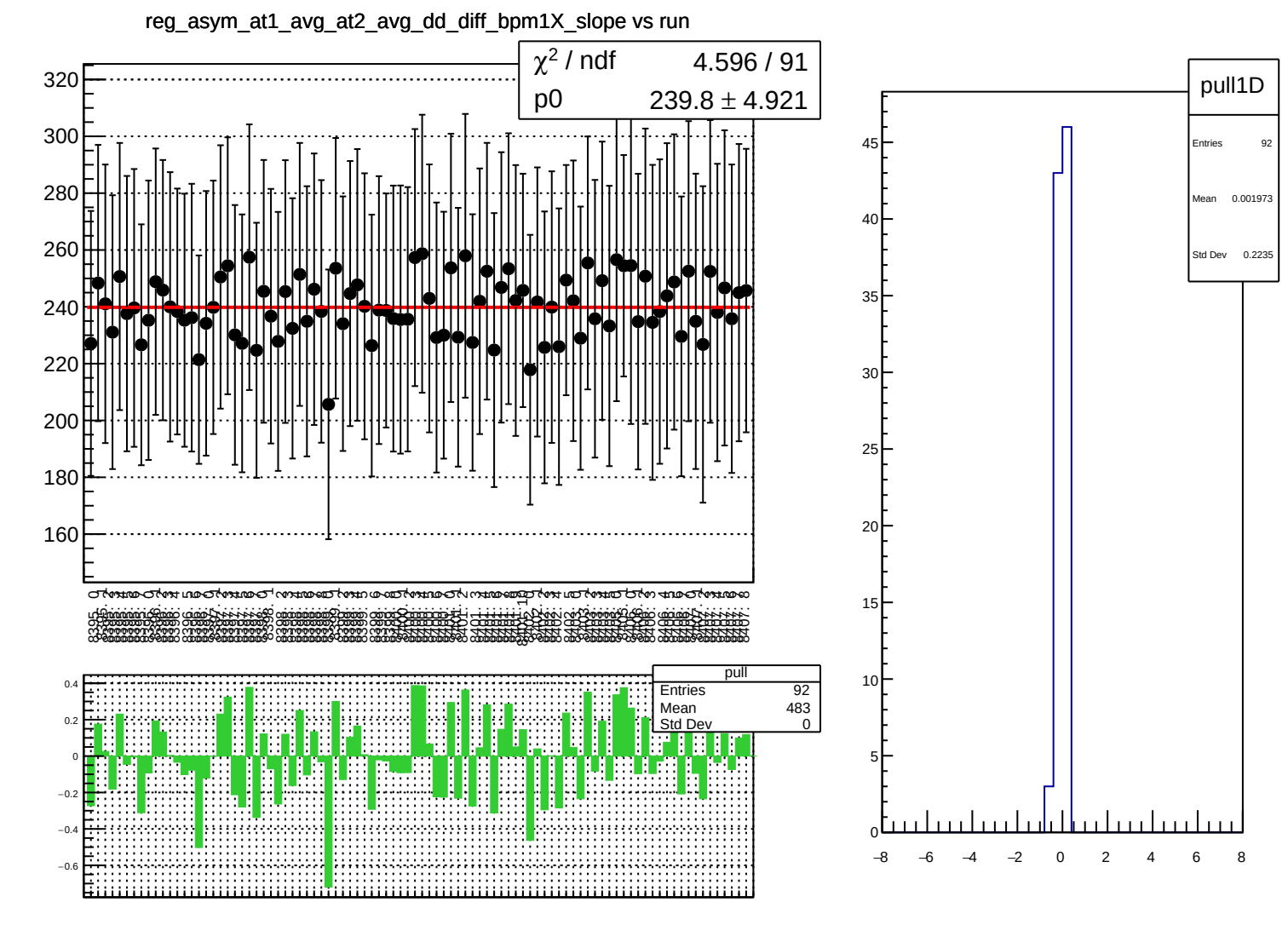

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.11 / 91
p0 −69.05 ± 1.937
−20
−40
−60
−80
−100
−120
pull
Entries 92
Mean −54.9
Std Dev 105.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

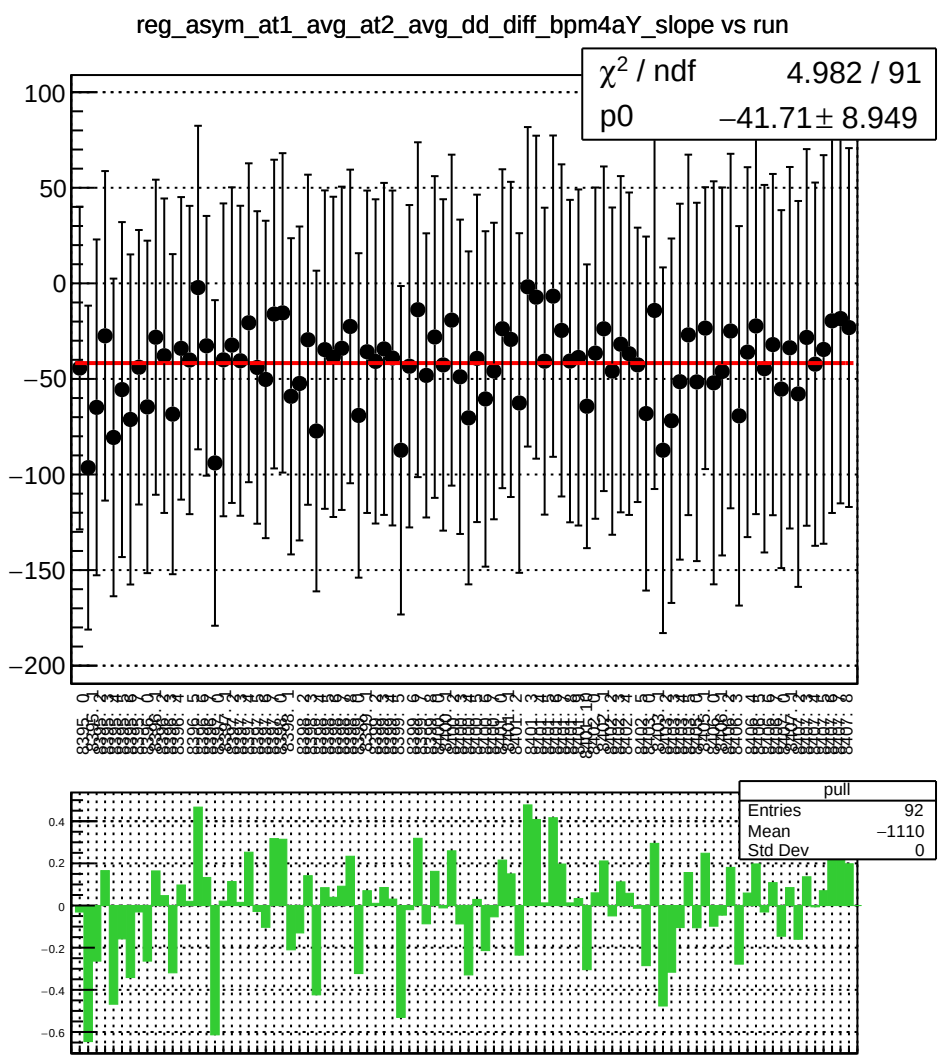

pull1D
Entries 92
Mean −0.002119
Std Dev 0.6766
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

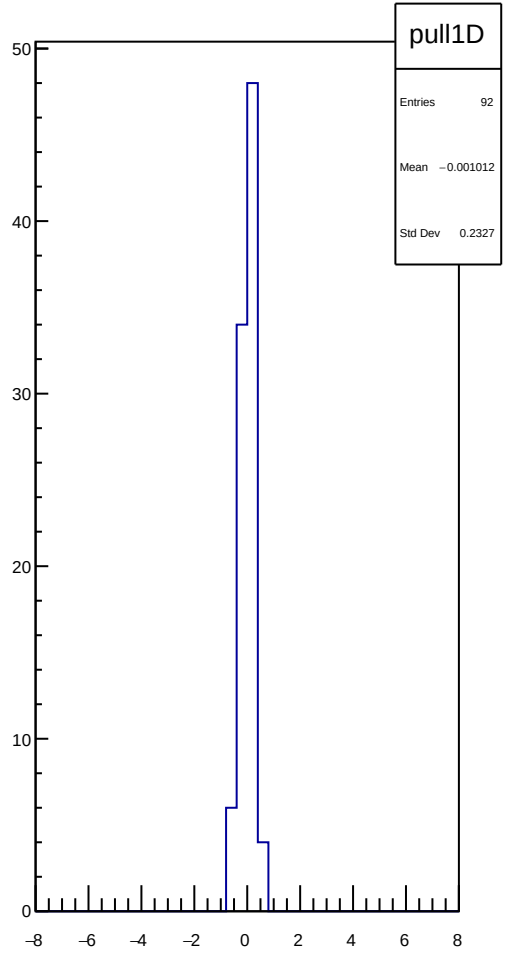

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.96 / 91
p0 −2.021± 3.297
pull
Entries 92
Mean 1008
Std Dev 0
pull1D
Entries 92
Mean 0.00266
Std Dev 0.6672

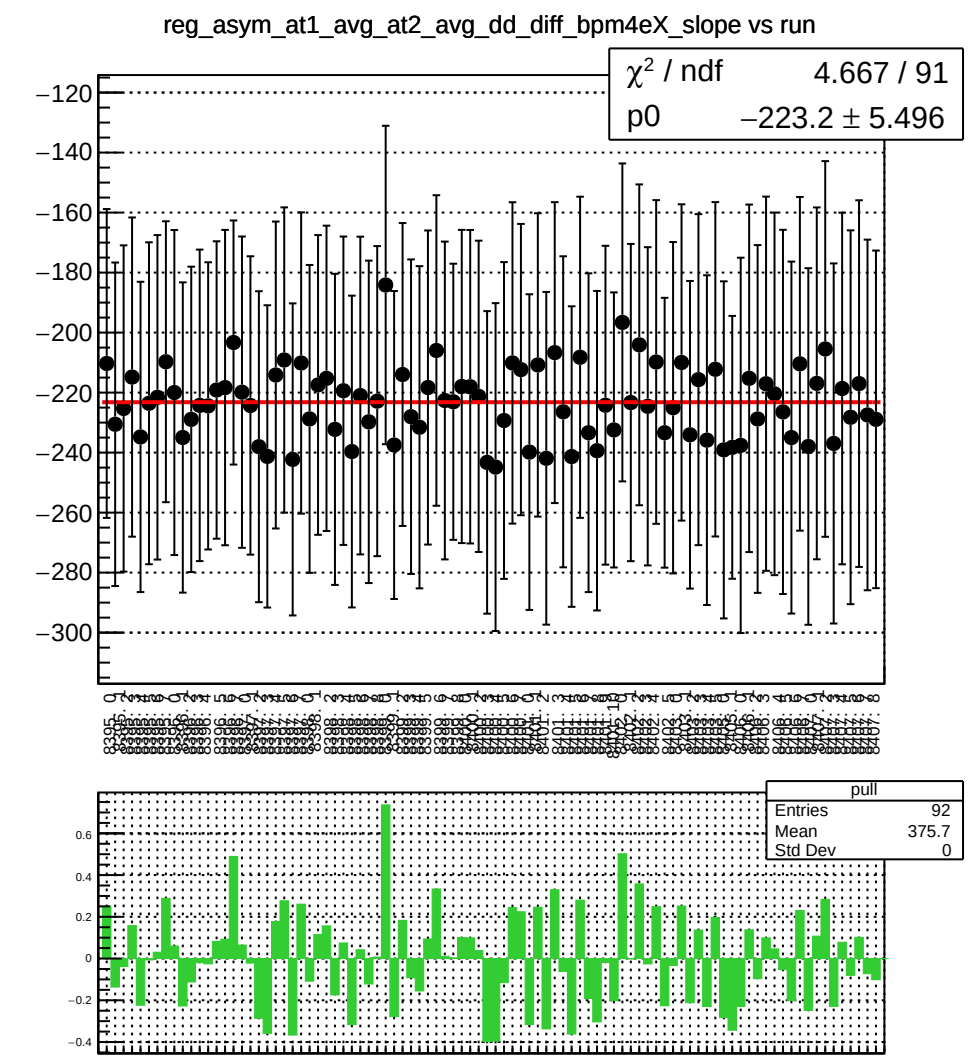

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 63.18 / 91
p0 26.51 ± 0.203
pull
Entries 92
Mean 398.1
Std Dev 0

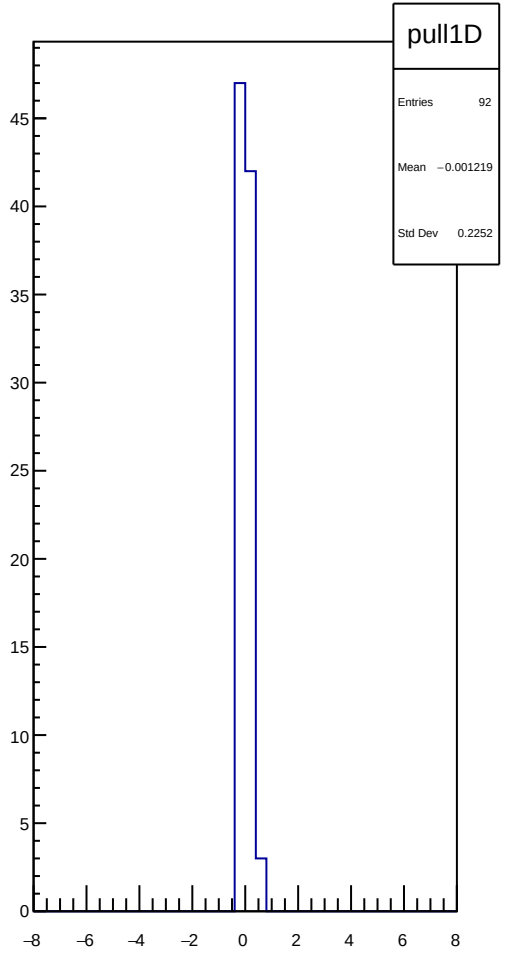

pull1D
Entries 92
Mean 0.01122
Std Dev 0.8286

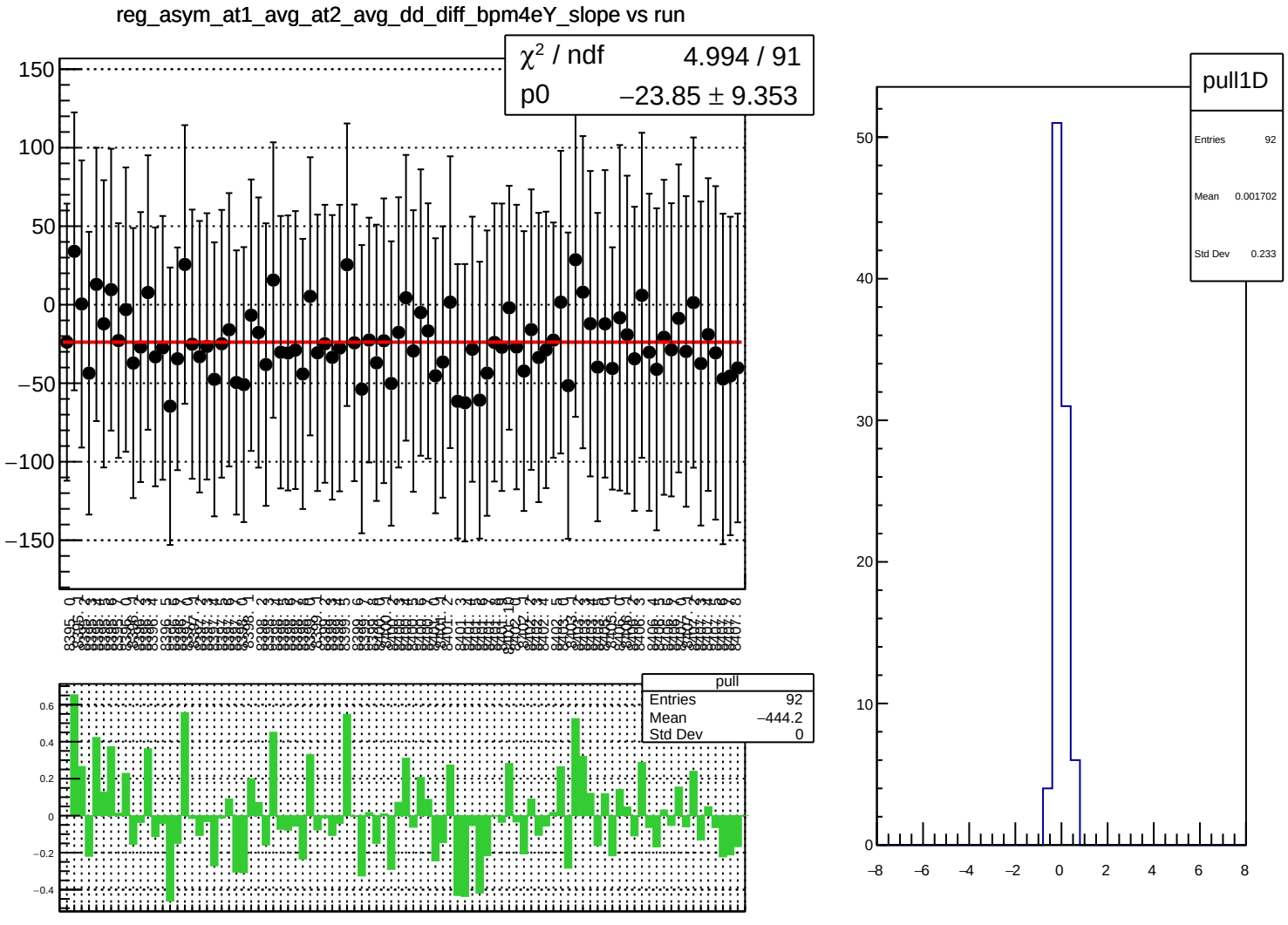

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 4.596 / 91
p0 239.8 ± 4.921
320
300
280
260
240
220
200
180
160
pull
Entries 92
Mean 483
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.001973
Std Dev 0.2235
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

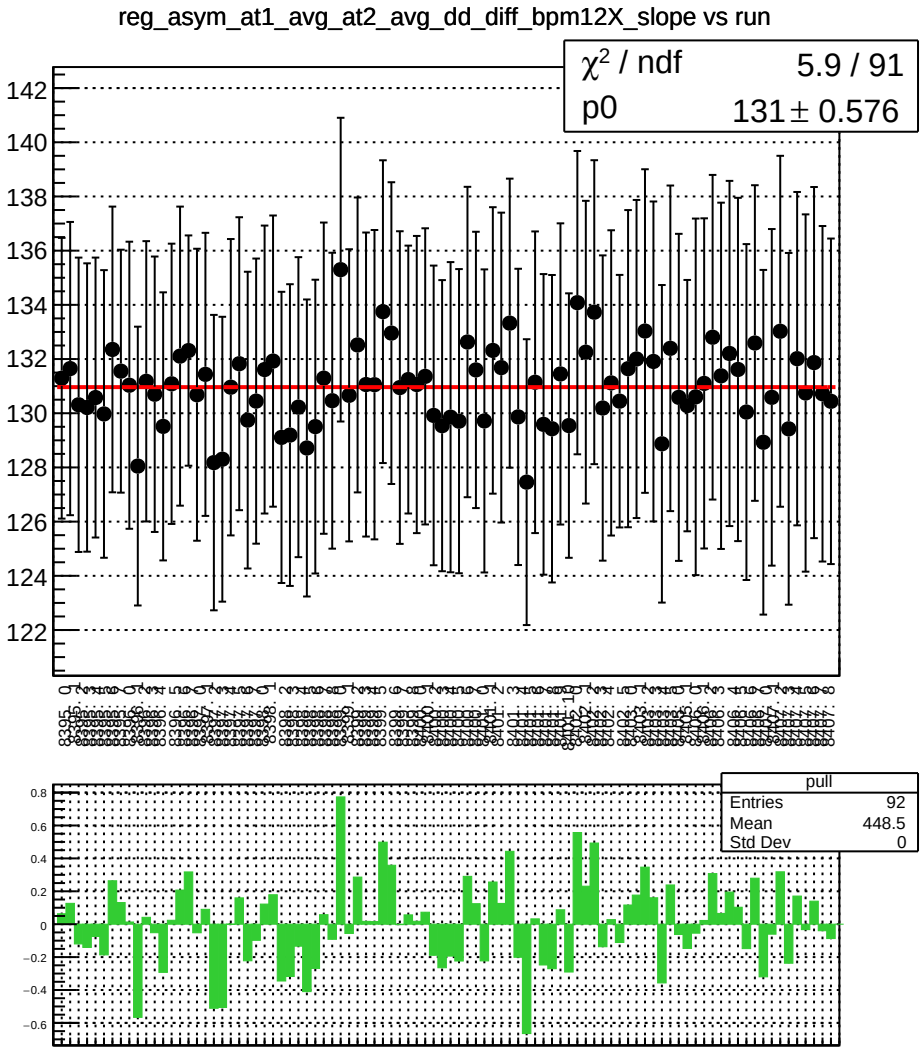

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.982 / 91
p0 −41.71 ± 8.949
pull
Entries 92
Mean −1110
Std Dev 0

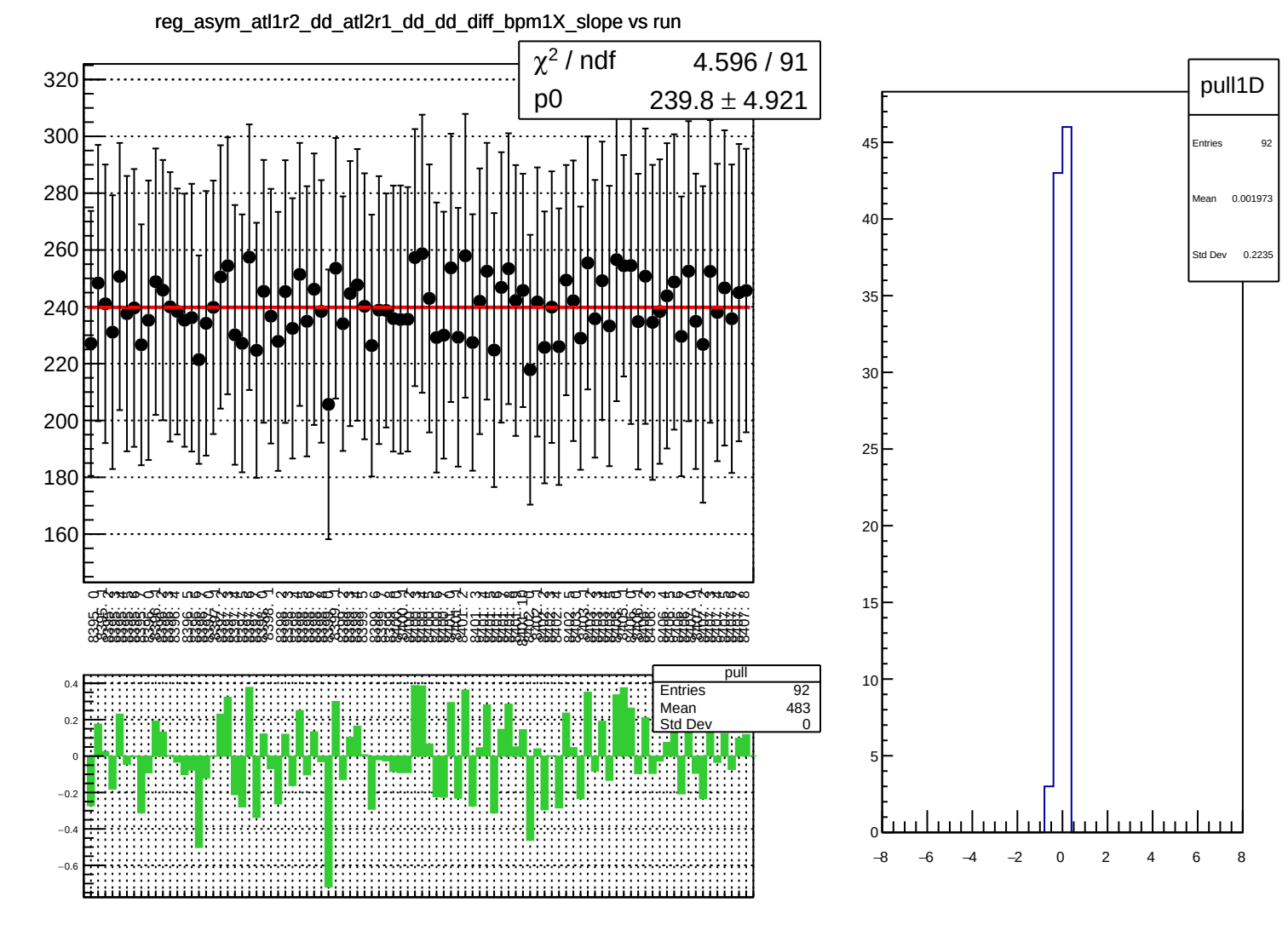

pull1D
Entries 92
Mean −0.001012
Std Dev 0.2327

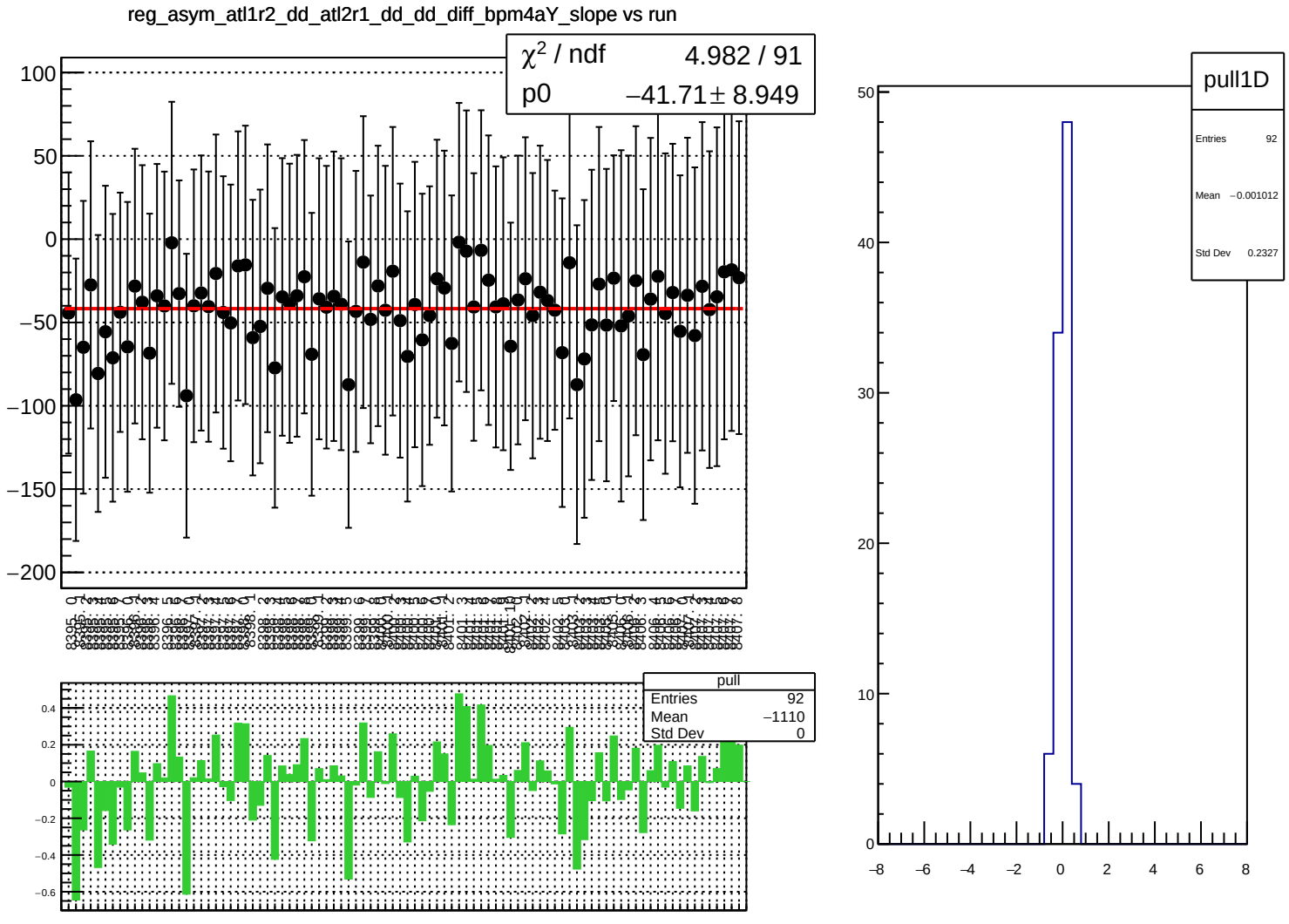

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.667 / 91
p0 −223.2 ± 5.496
pull
Entries 92
Mean 375.7
Std Dev 0

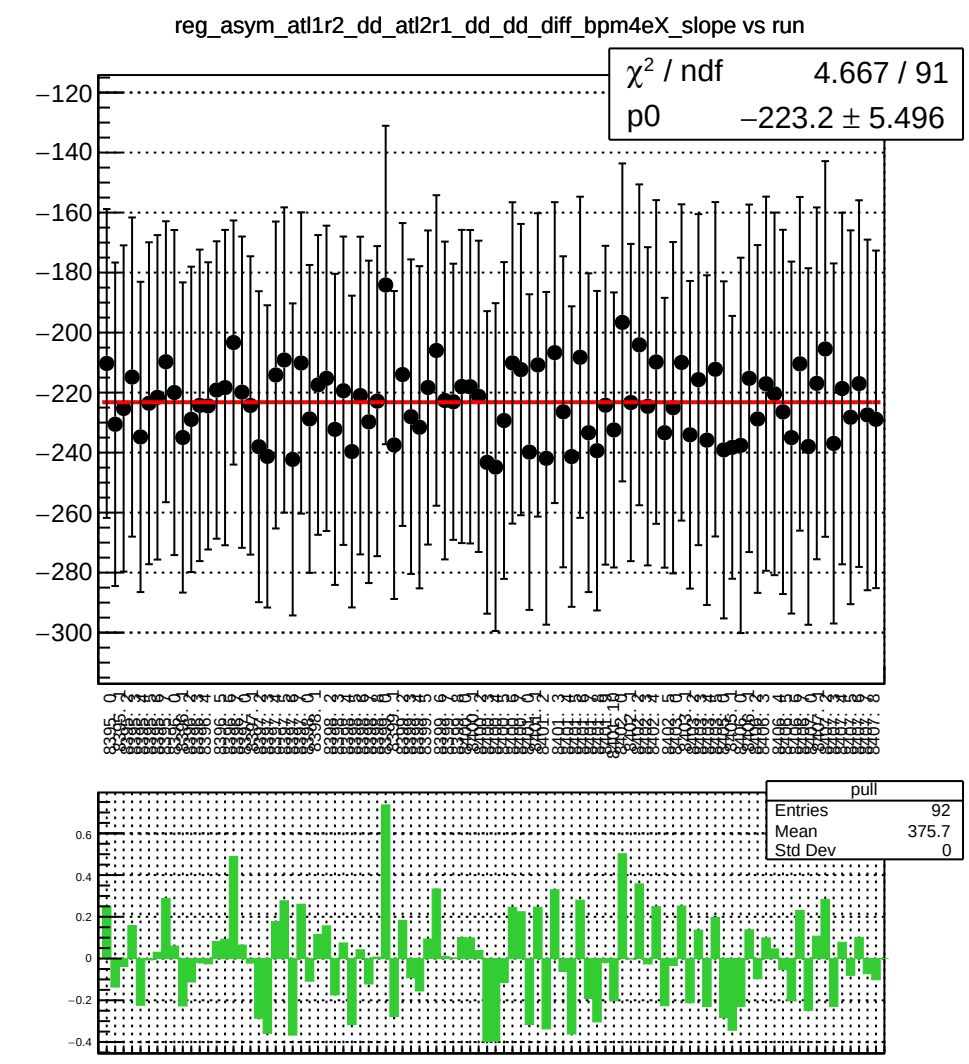

pull1D
Entries 92
Mean −0.001219
Std Dev 0.2252

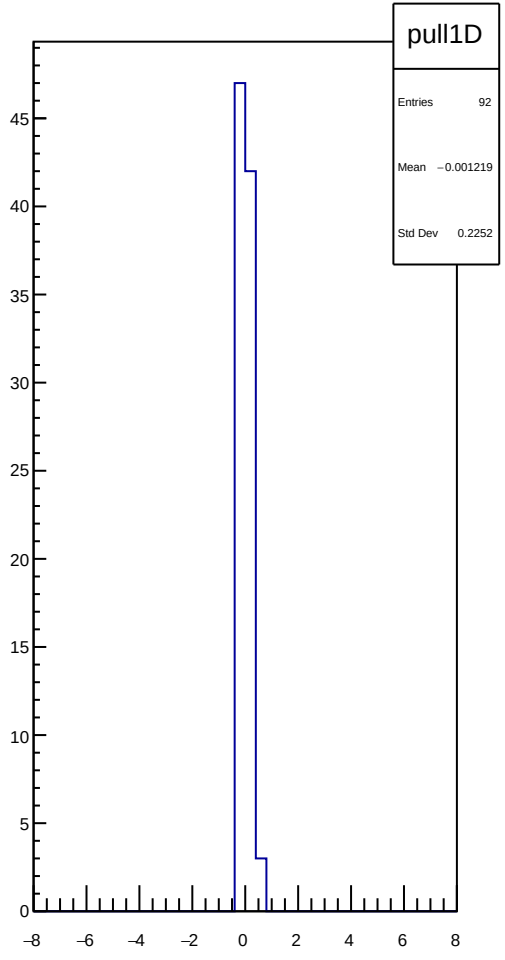

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.994 / 91
p0 −23.85 ± 9.353
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −444.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.001702
Std Dev 0.233
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

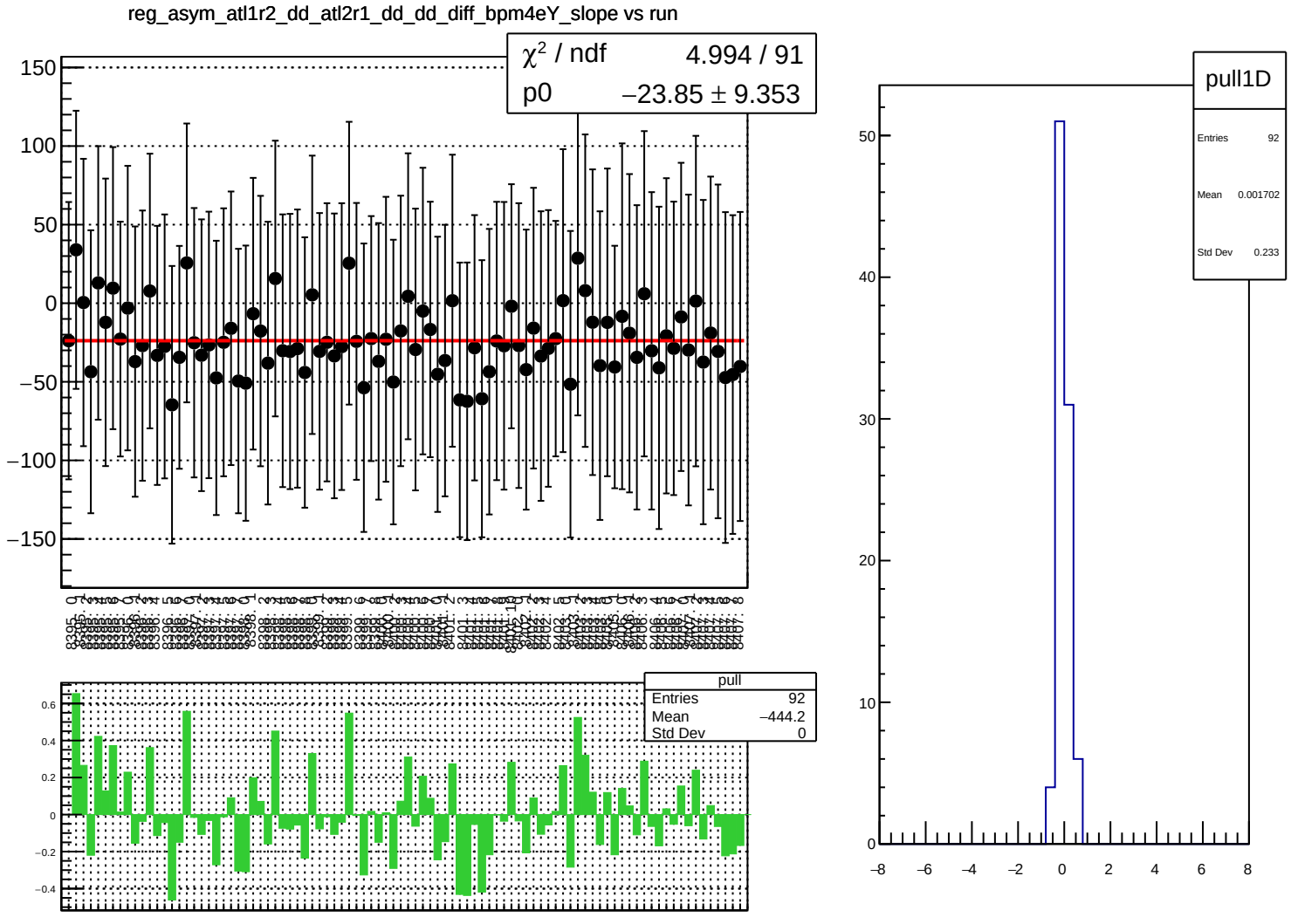

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 5.9 / 91
p0 131 ± 0.576
pull
Entries 92
Mean 448.5
Std Dev 0
pull1D
Entries 92
Mean 0.002113
Std Dev 0.2532

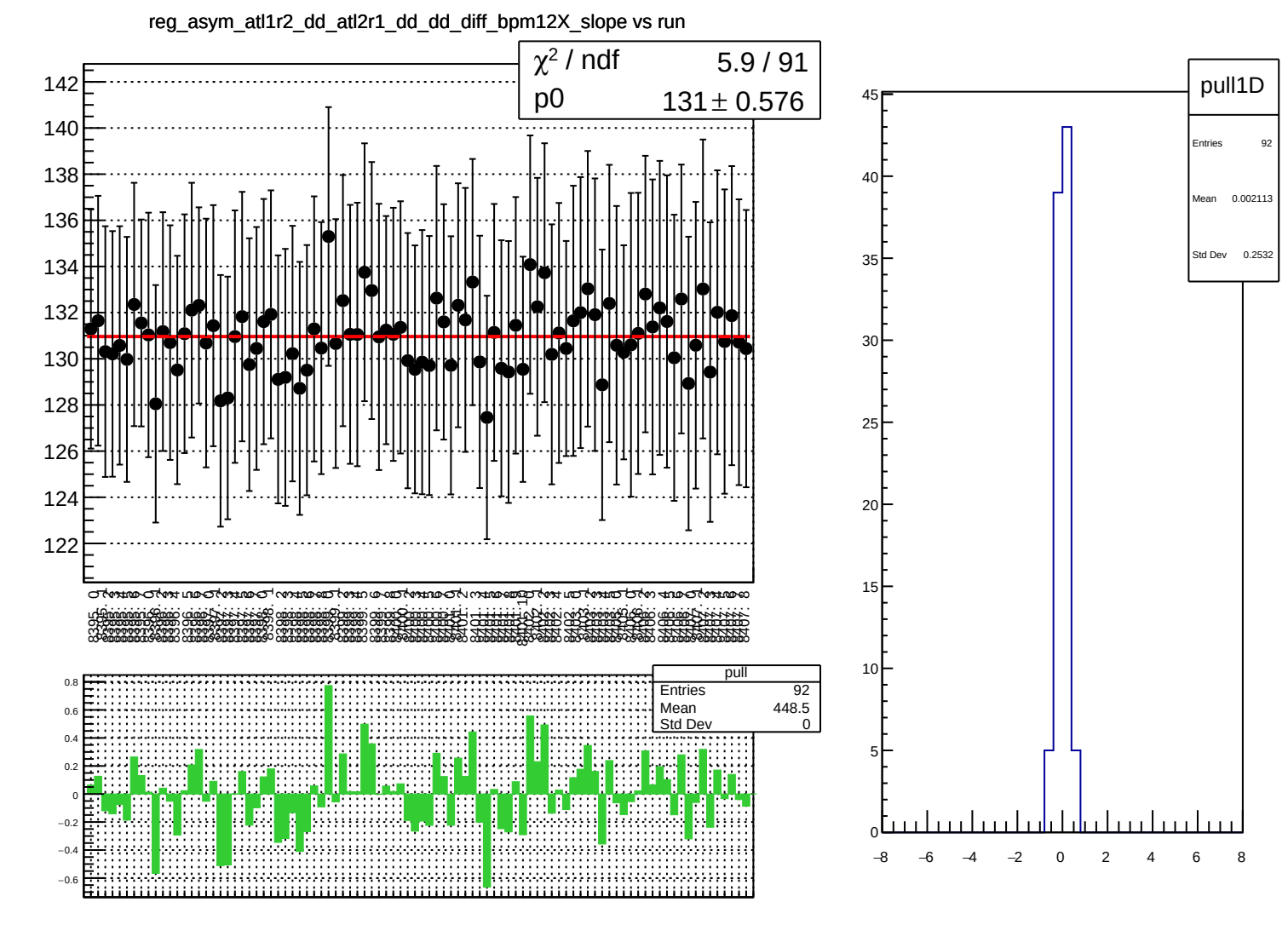

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 4.596 / 91
p0 239.8 ± 4.921
320
300
280
260
240
220
200
180
160
pull
Entries 92
Mean 483
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.001973
Std Dev 0.2235
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

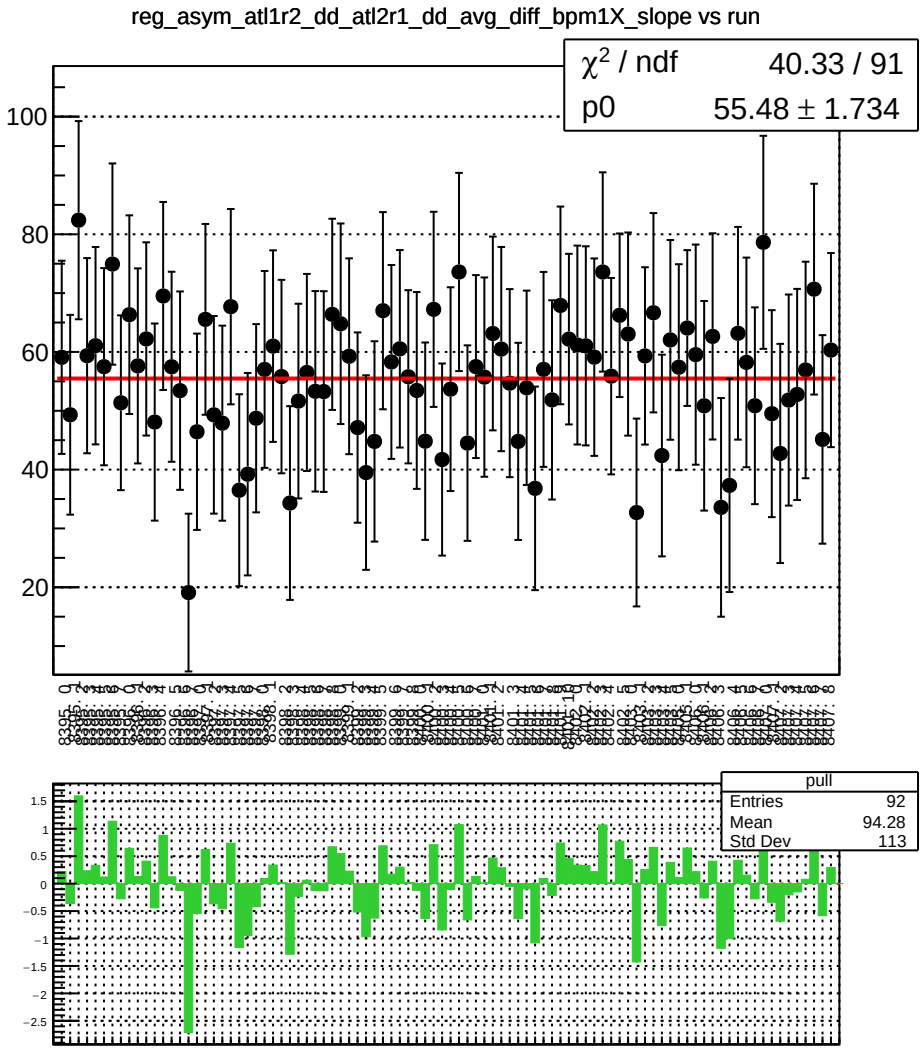

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.982 / 91
p0 −41.71 ± 8.949
pull
Entries 92
Mean −1110
Std Dev 0
pull1D
Entries 92
Mean −0.001012
Std Dev 0.2327

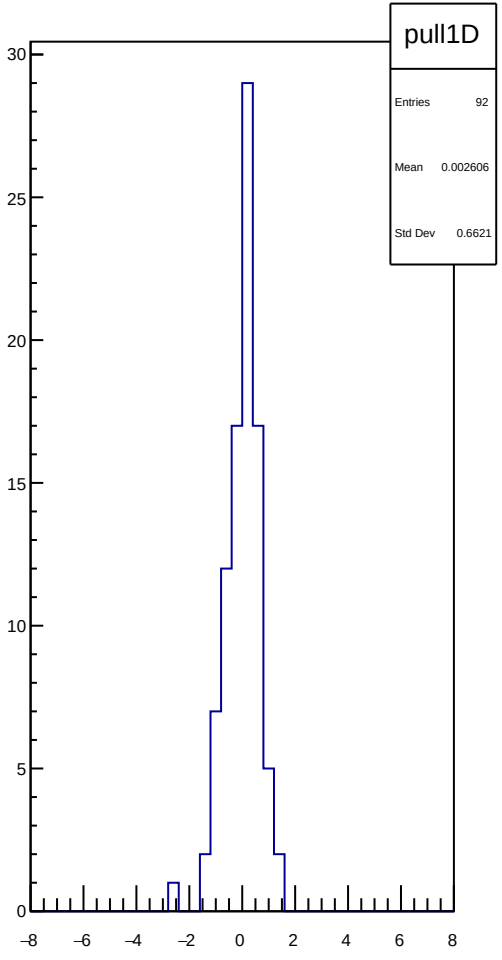

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.667 / 91
p0 −223.2 ± 5.496
pull
Entries 92
Mean 375.7
Std Dev 0

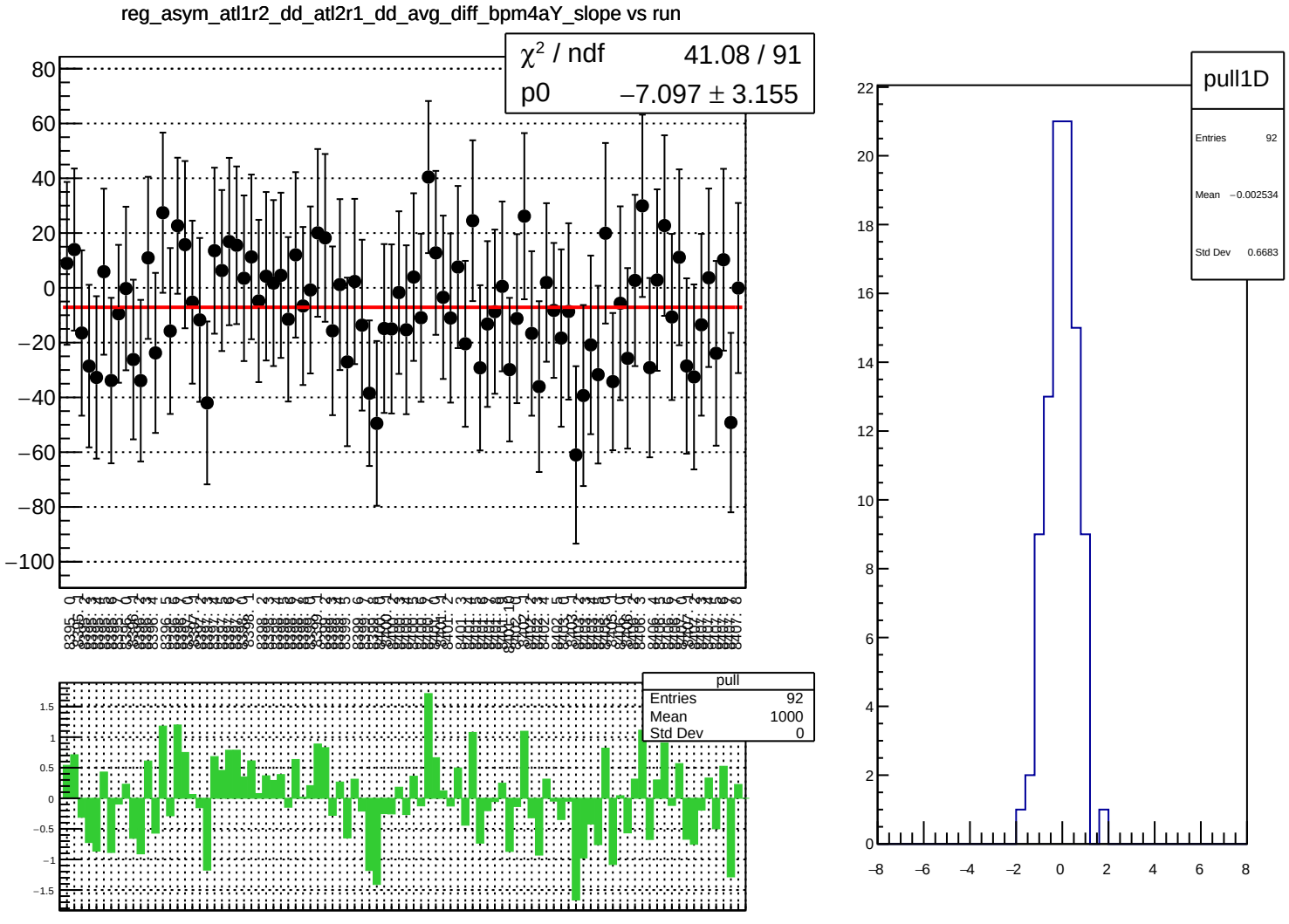

pull1D
Entries 92
Mean −0.001219
Std Dev 0.2252

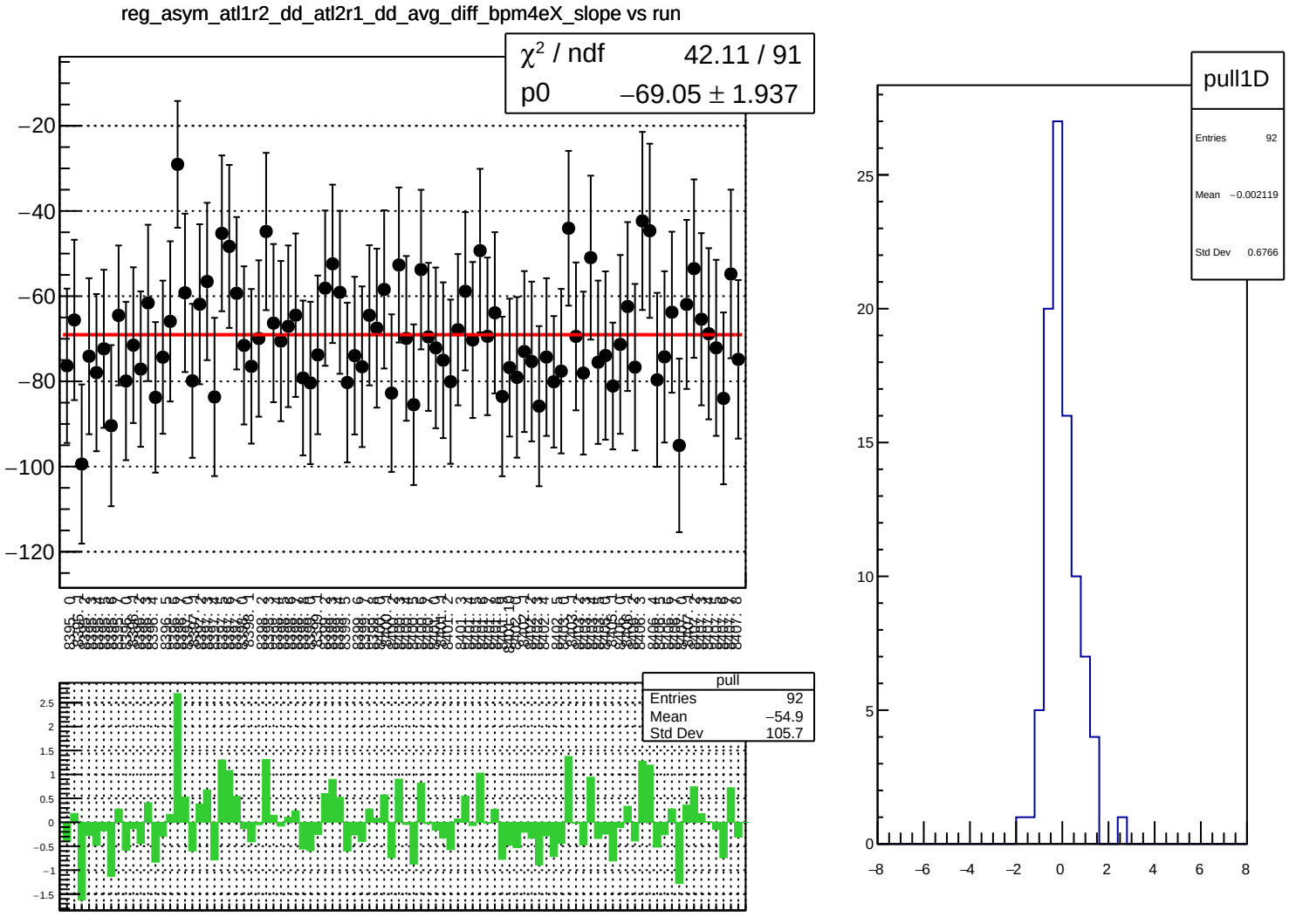

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.994 / 91
p0 −23.85 ± 9.353
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean −444.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.001702
Std Dev 0.233
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

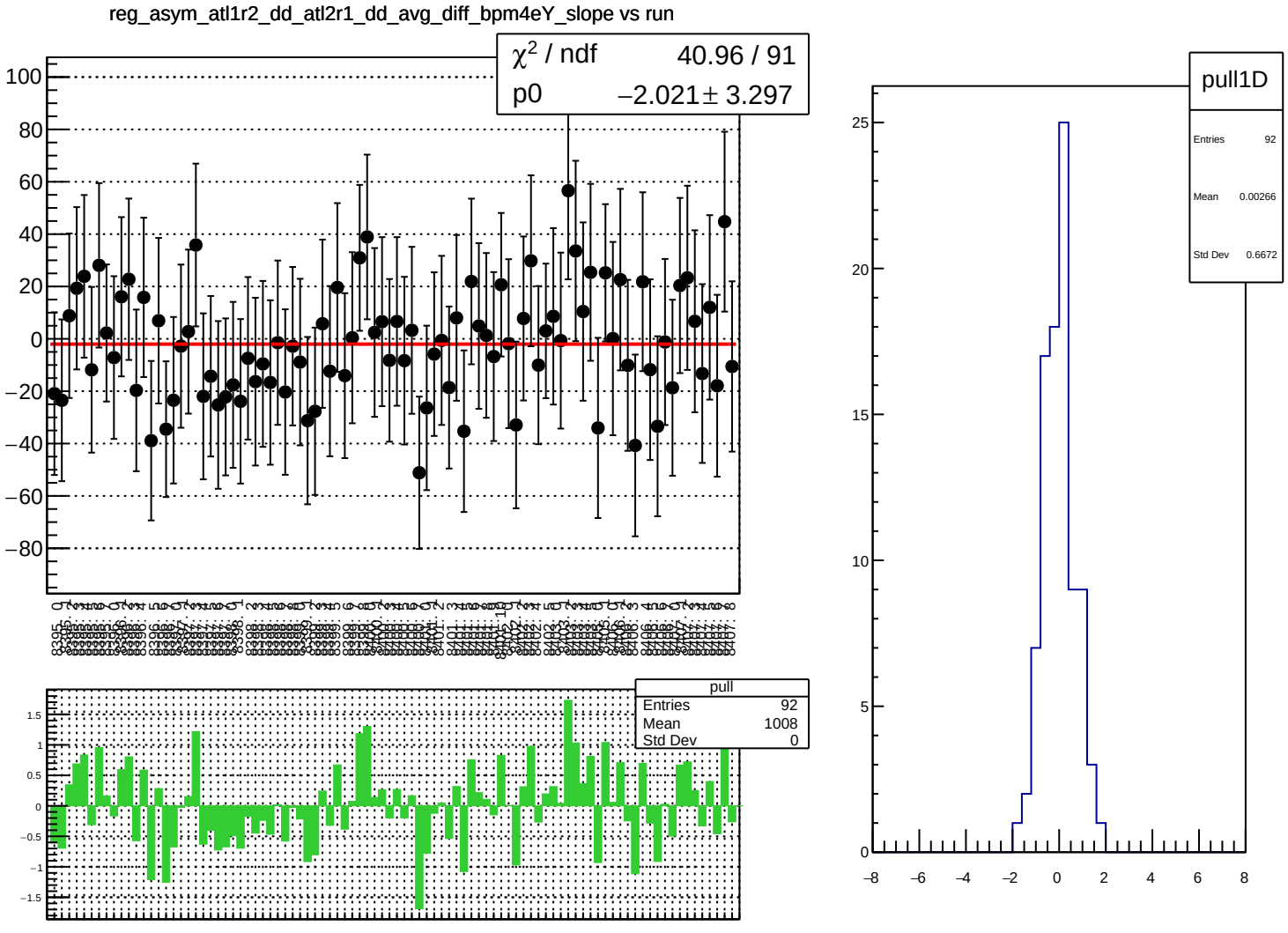

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 5.9 / 91
p0 131 ± 0.576
pull
Entries 92
Mean 448.5
Std Dev 0
pull1D
Entries 92
Mean 0.002113
Std Dev 0.2532

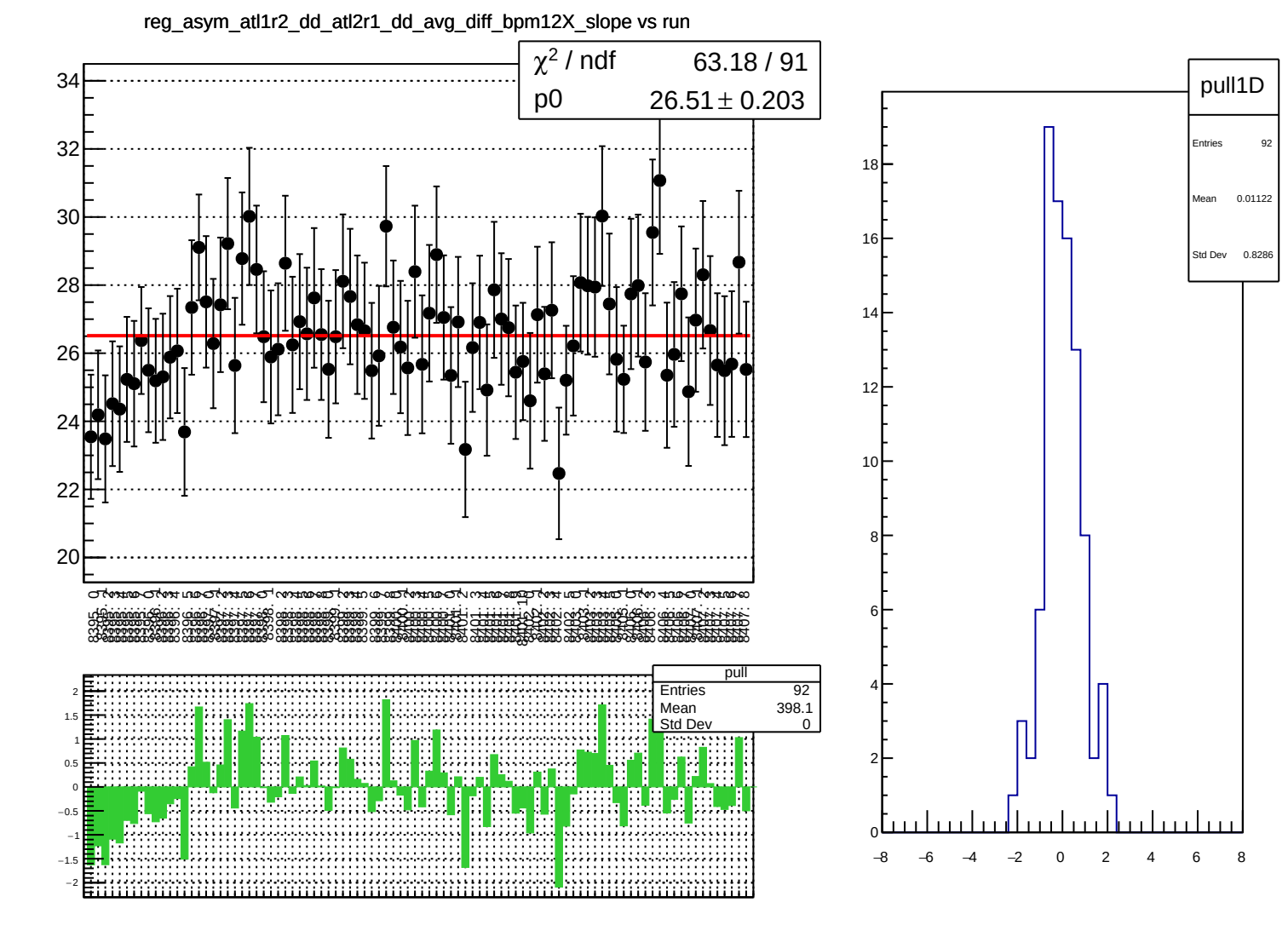

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 40.33 / 91
p0 55.48 ± 1.734
pull
Entries 92
Mean 94.28
Std Dev 113

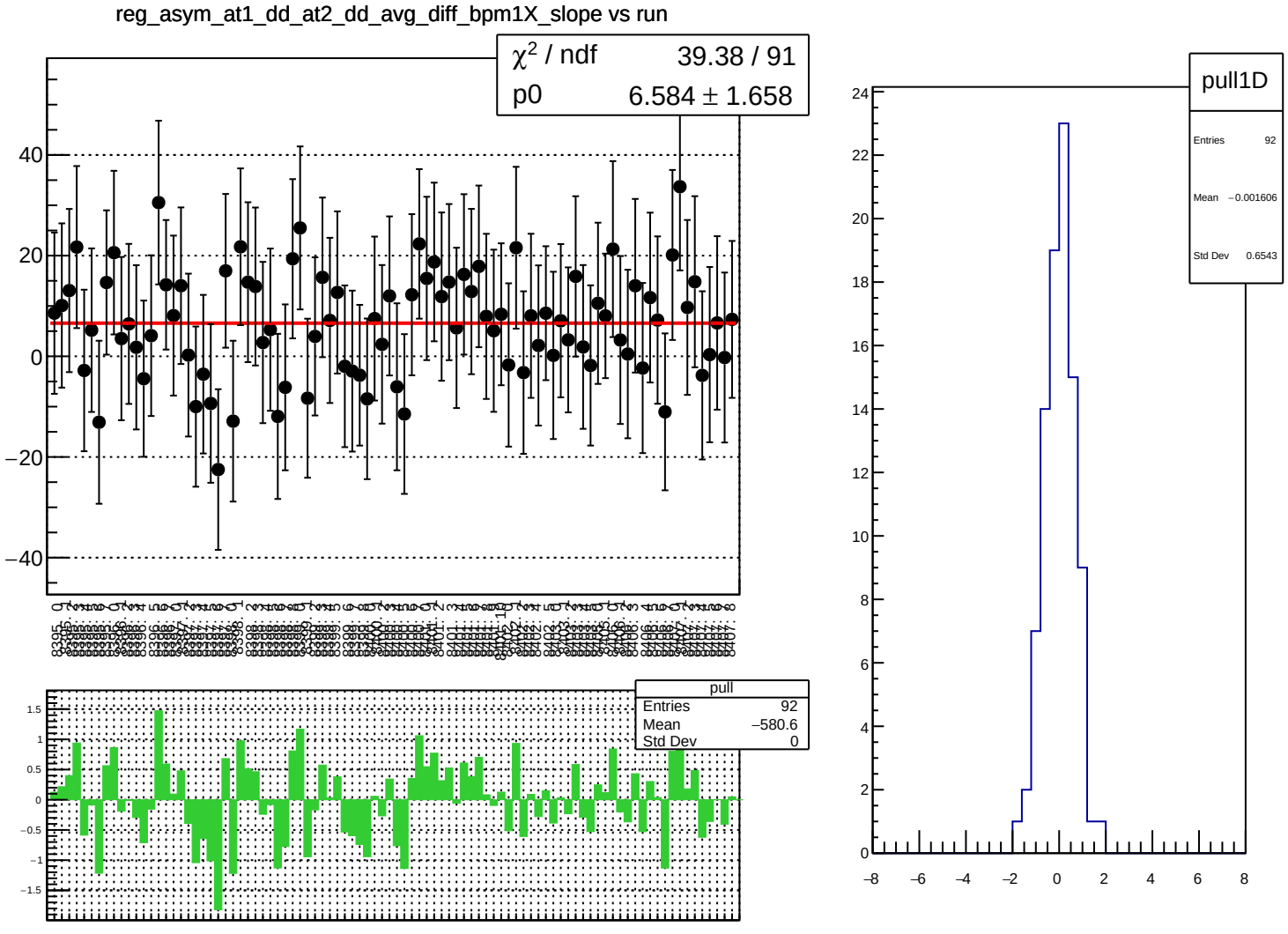

pull1D
Entries 92
Mean 0.002606
Std Dev 0.6621

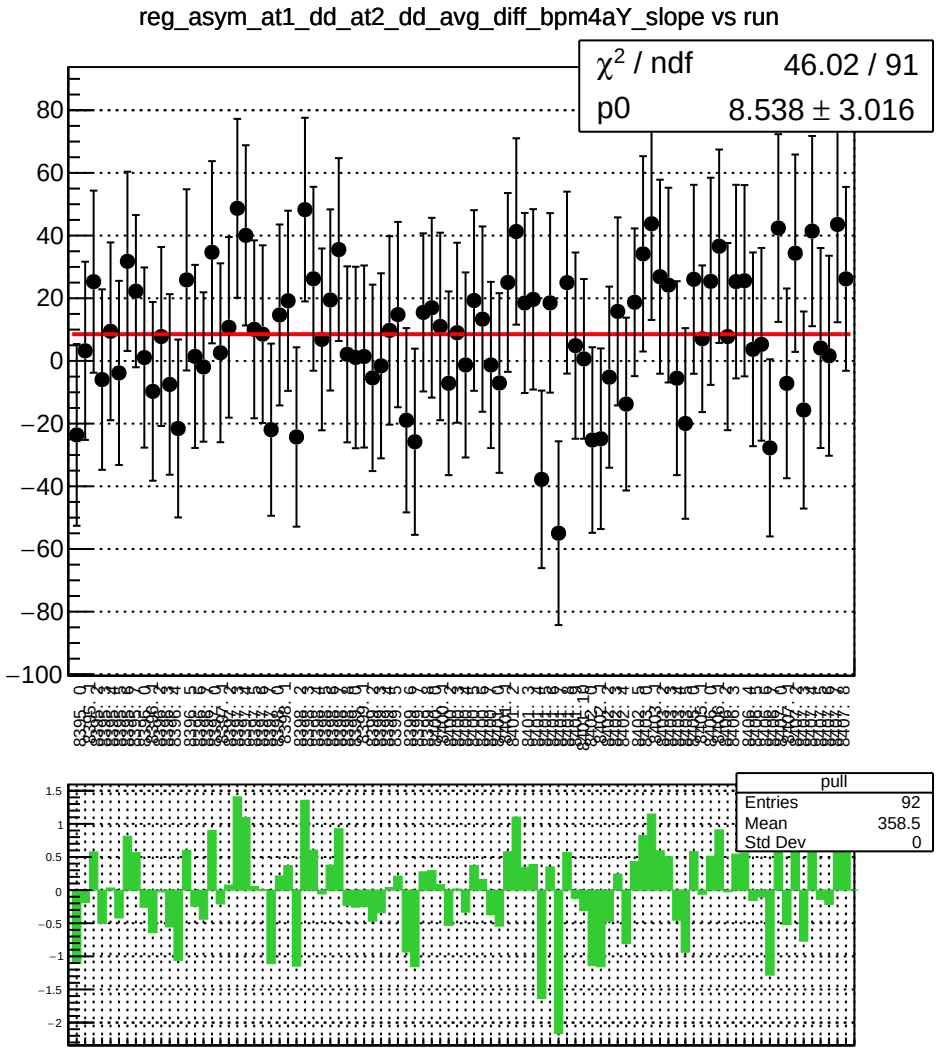

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.08 / 91
p0 −7.097 ± 3.155
pull
Entries 92
Mean 1000
Std Dev 0
pull1D
Entries 92
Mean −0.002534
Std Dev 0.6683

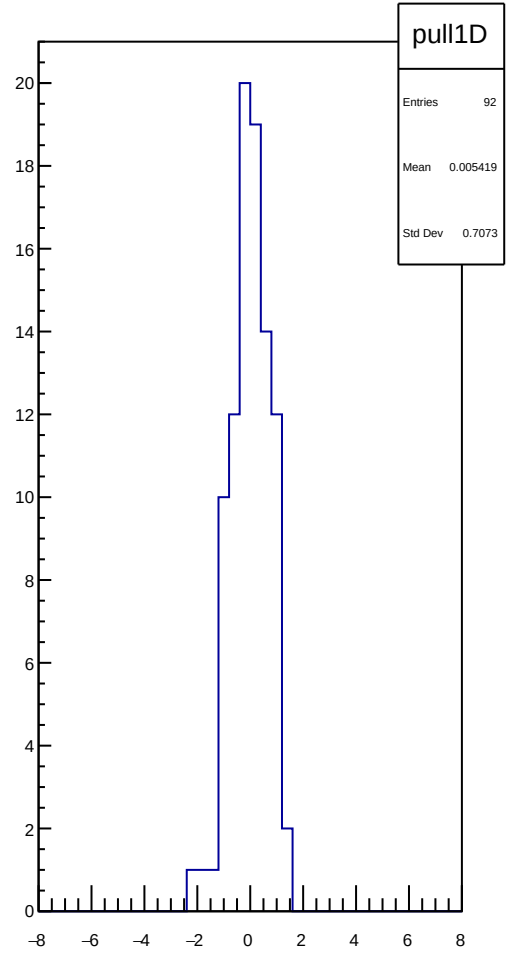

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.11 / 91
p0 −69.05 ± 1.937
−20
−40
−60
−80
−100
−120
pull
Entries 92
Mean −54.9
Std Dev 105.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.002119
Std Dev 0.6766
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

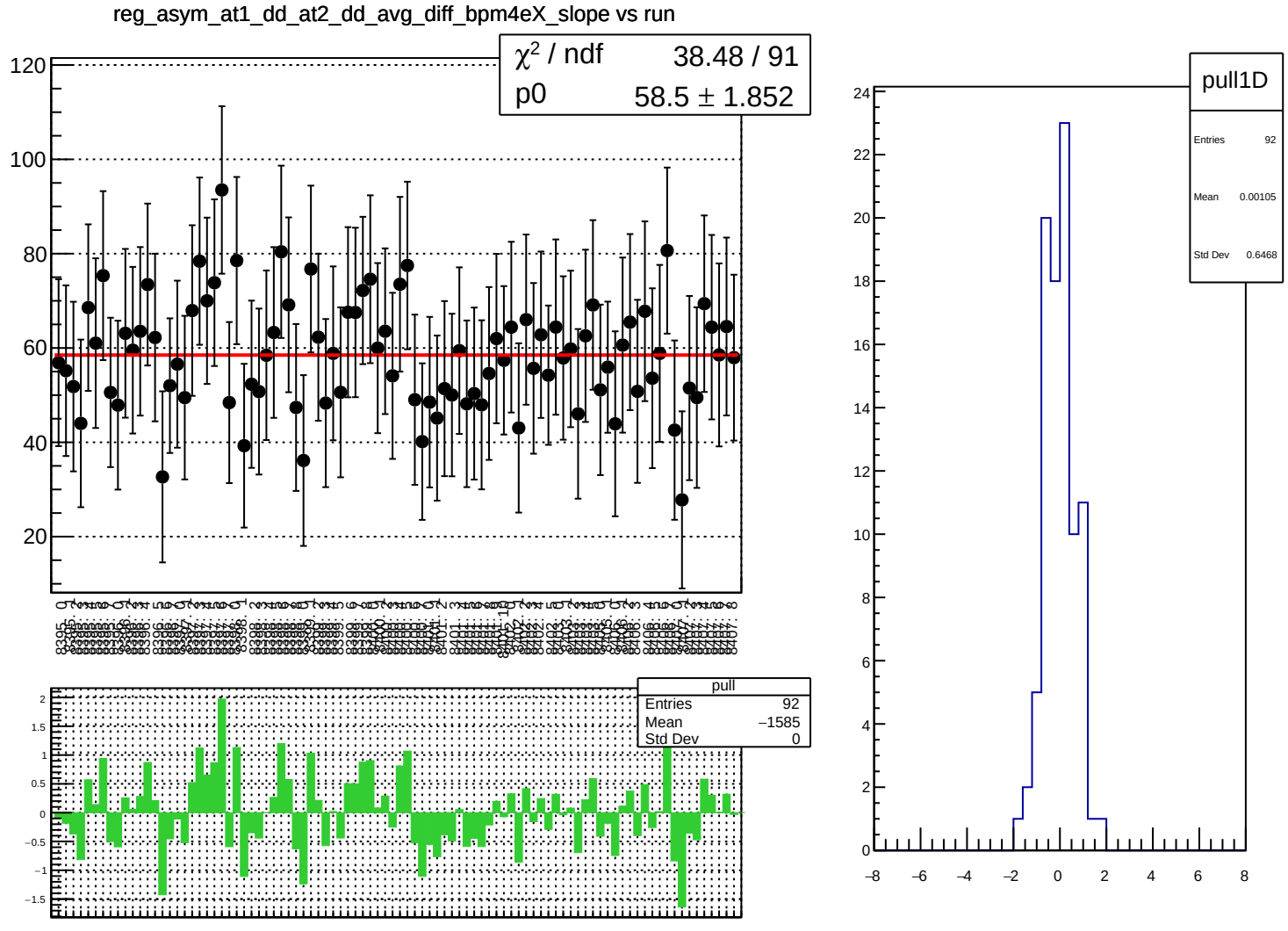

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.96 / 91
p0 −2.021 ± 3.297
pull
Entries 92
Mean 1008
Std Dev 0
pull1D
Entries 92
Mean 0.00266
Std Dev 0.6672

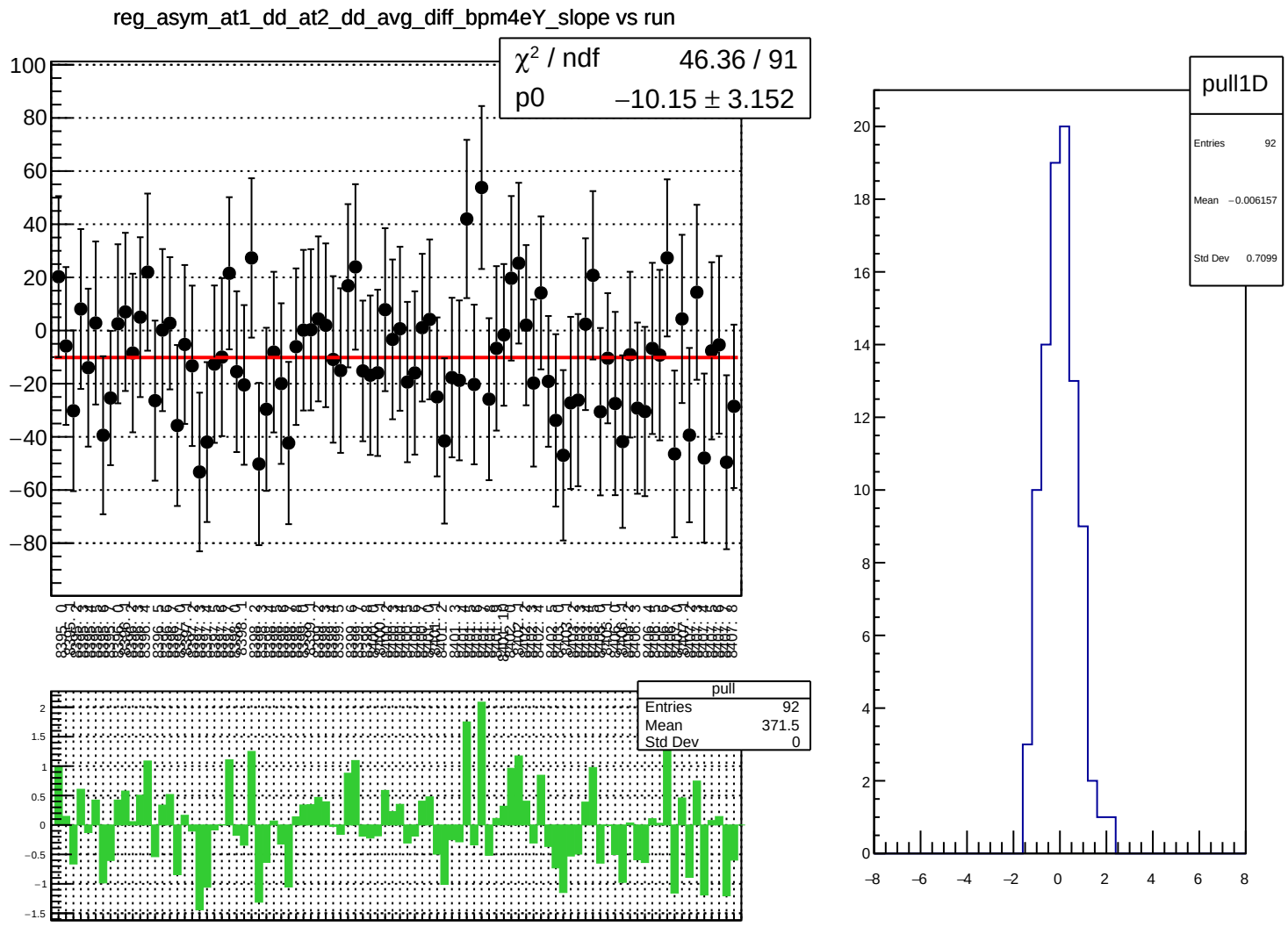

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 63.18 / 91
p0 26.51 ± 0.203
pull
Entries 92
Mean 398.1
Std Dev 0
pull1D
Entries 92
Mean 0.01122
Std Dev 0.8286

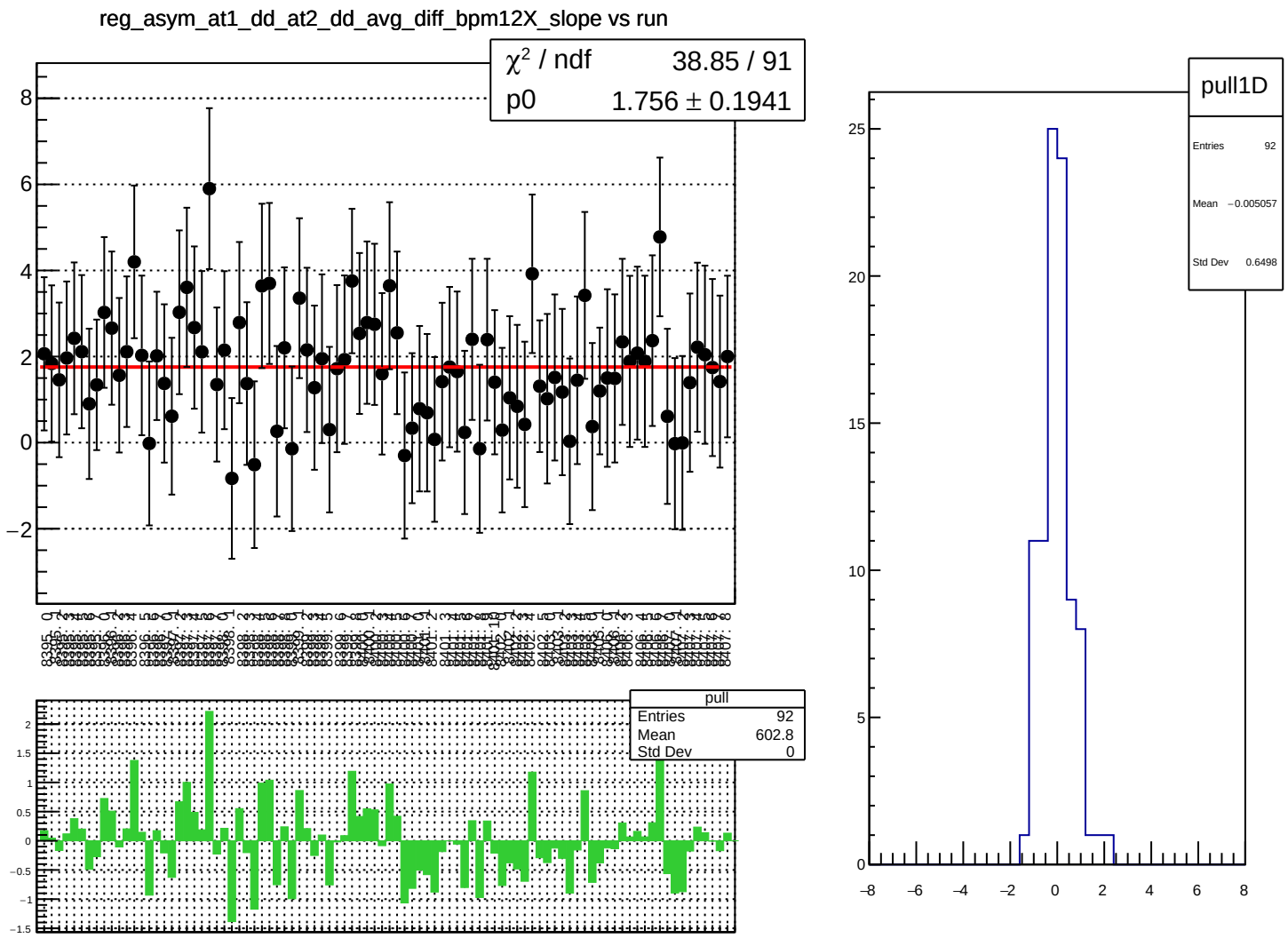

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 39.38 / 91
p0 6.584 ± 1.658
pull
Entries 92
Mean −580.6
Std Dev 0
pull1D
Entries 92
Mean −0.001606
Std Dev 0.6543

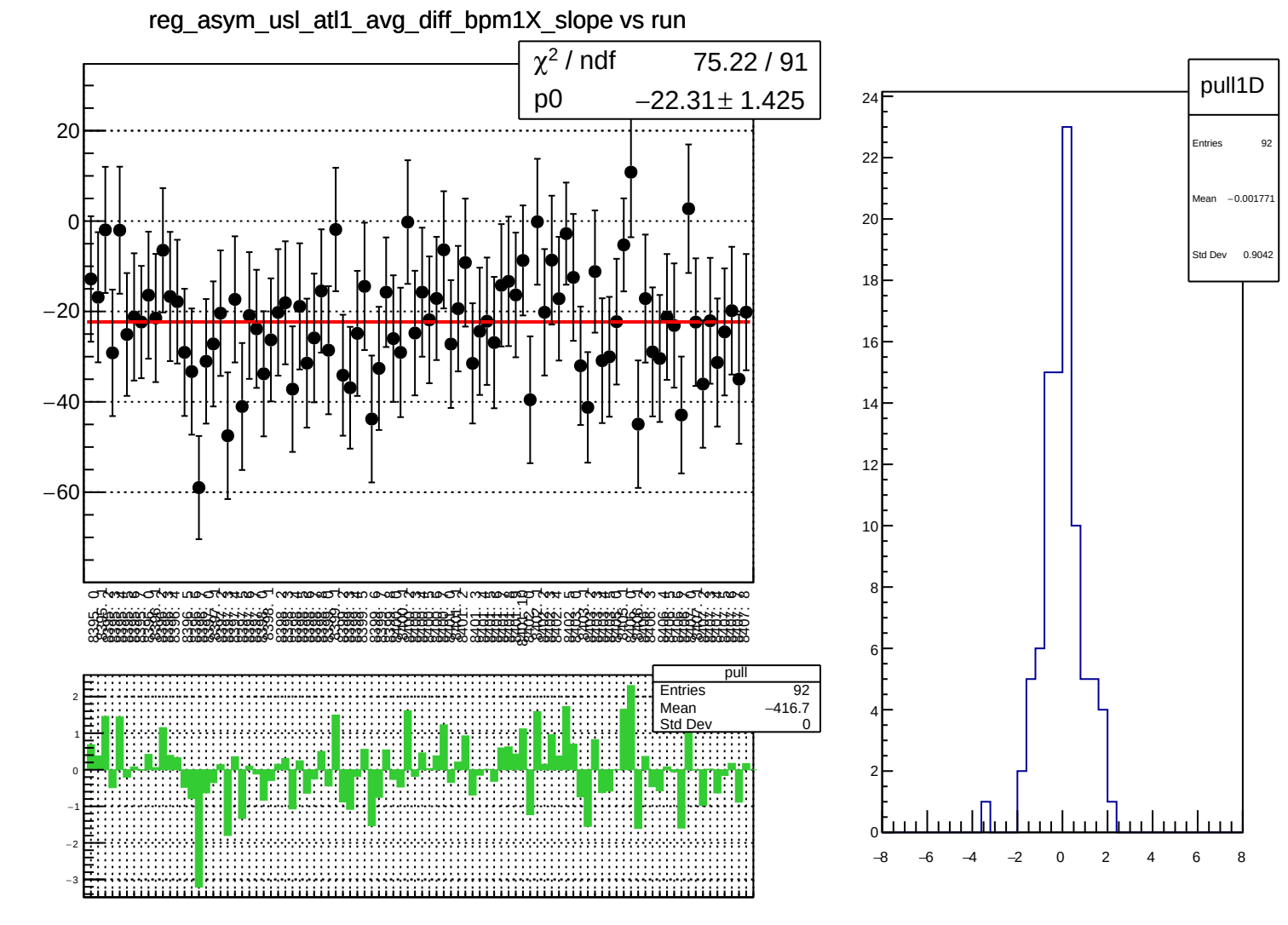

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.02 / 91
p0 8.538 ± 3.016
pull
Entries 92
Mean 358.5
Std Dev 0

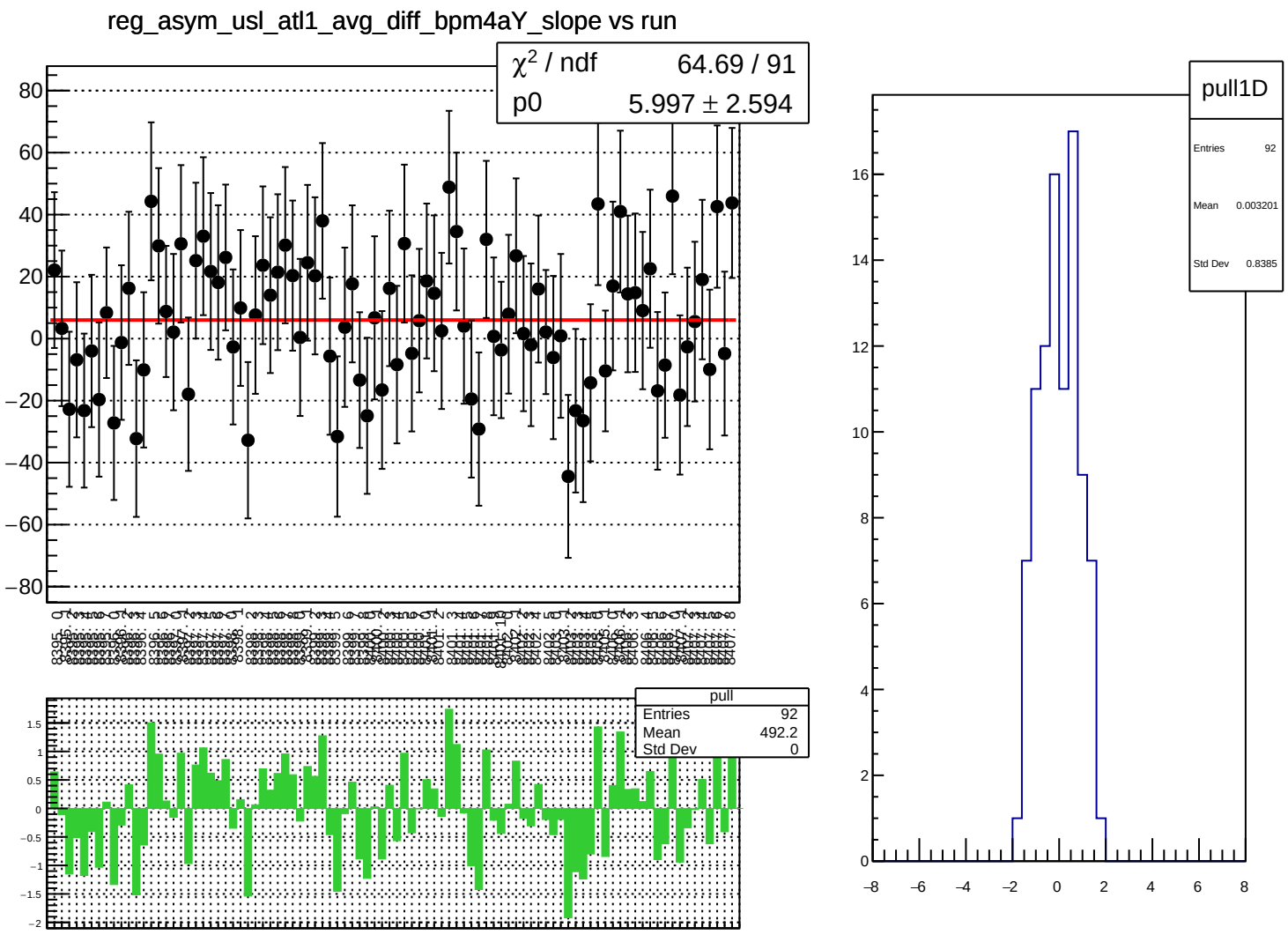

pull1D
Entries 92
Mean 0.005419
Std Dev 0.7073

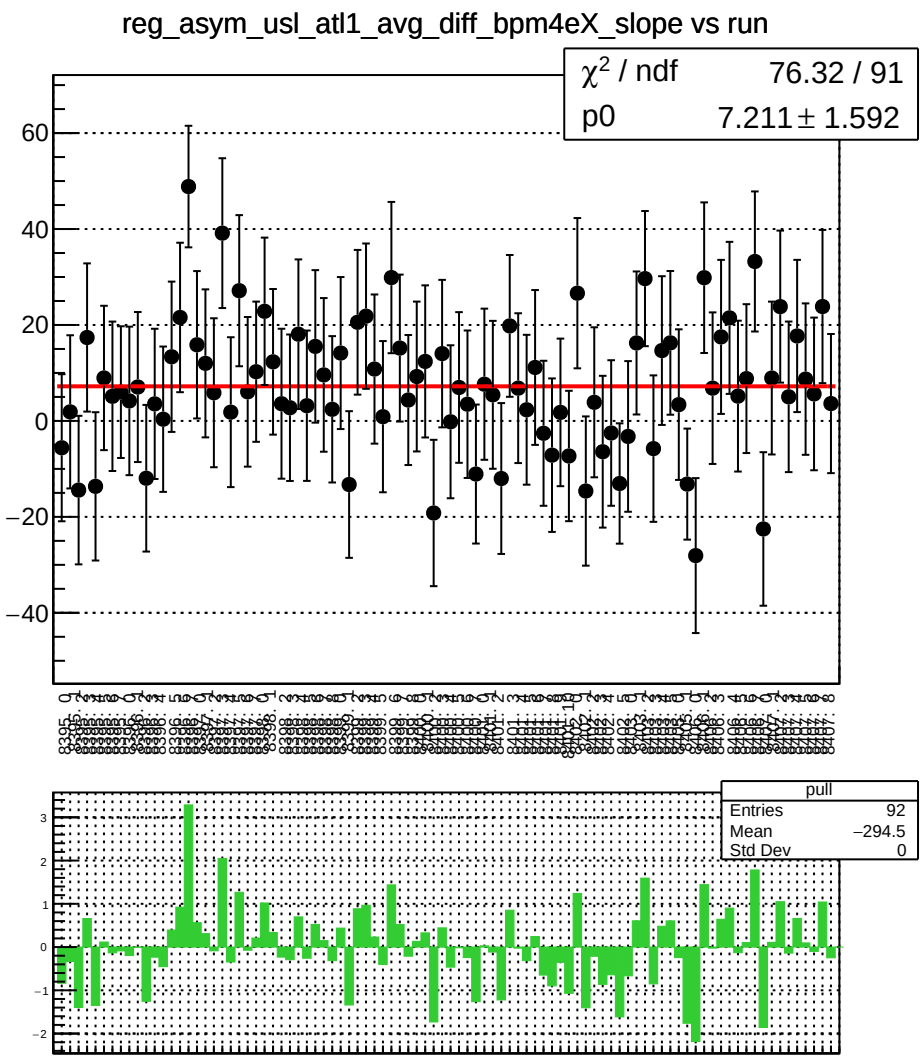

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.48 / 91
p0 58.5 ± 1.852
pull
Entries 92
Mean −1585
Std Dev 0
pull1D
Entries 92
Mean 0.00105
Std Dev 0.6468

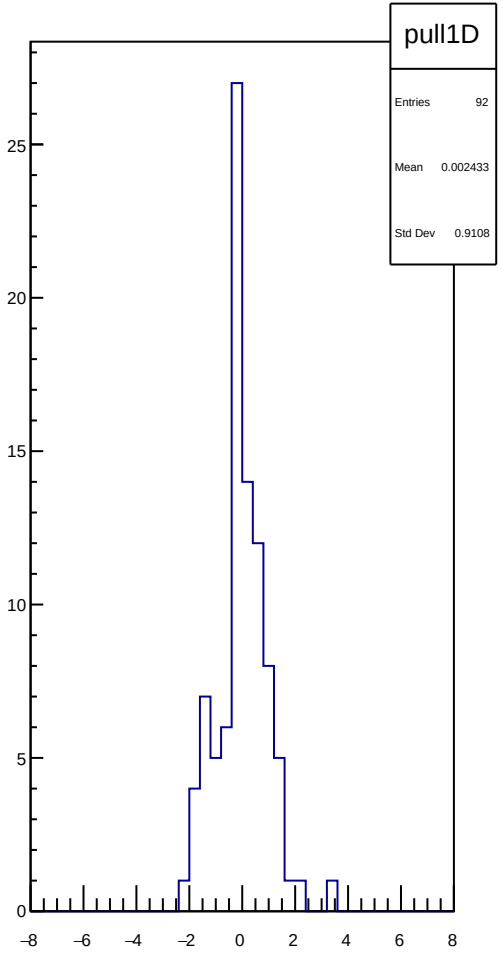

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.36 / 91
p0 −10.15 ± 3.152
pull
Entries 92
Mean 371.5
Std Dev 0
pull1D
Entries 92
Mean −0.006157
Std Dev 0.7099

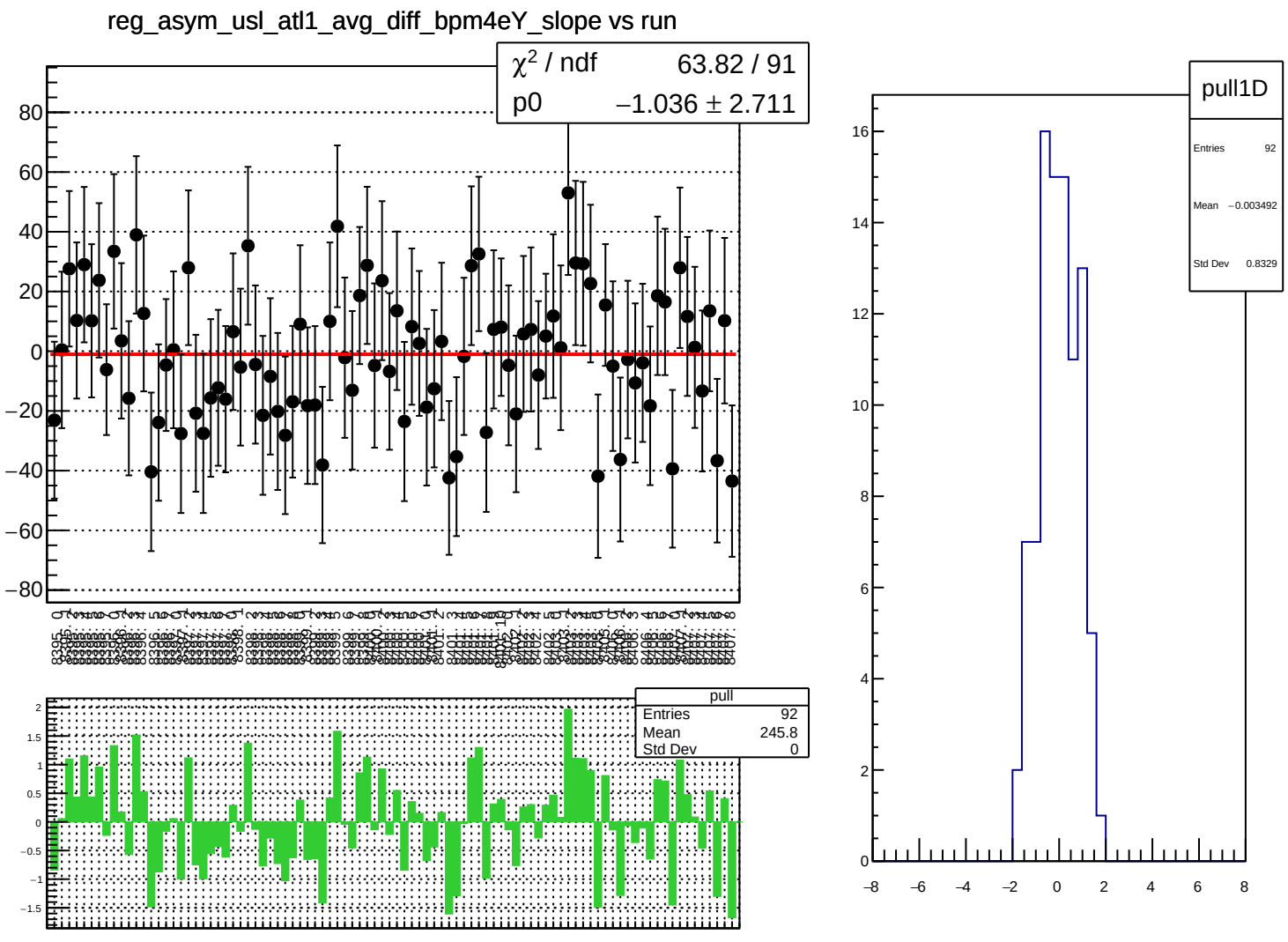

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 38.85 / 91
p0 1.756 ± 0.1941
pull
Entries 92
Mean 602.8
Std Dev 0
pull1D
Entries 92
Mean −0.005057
Std Dev 0.6498

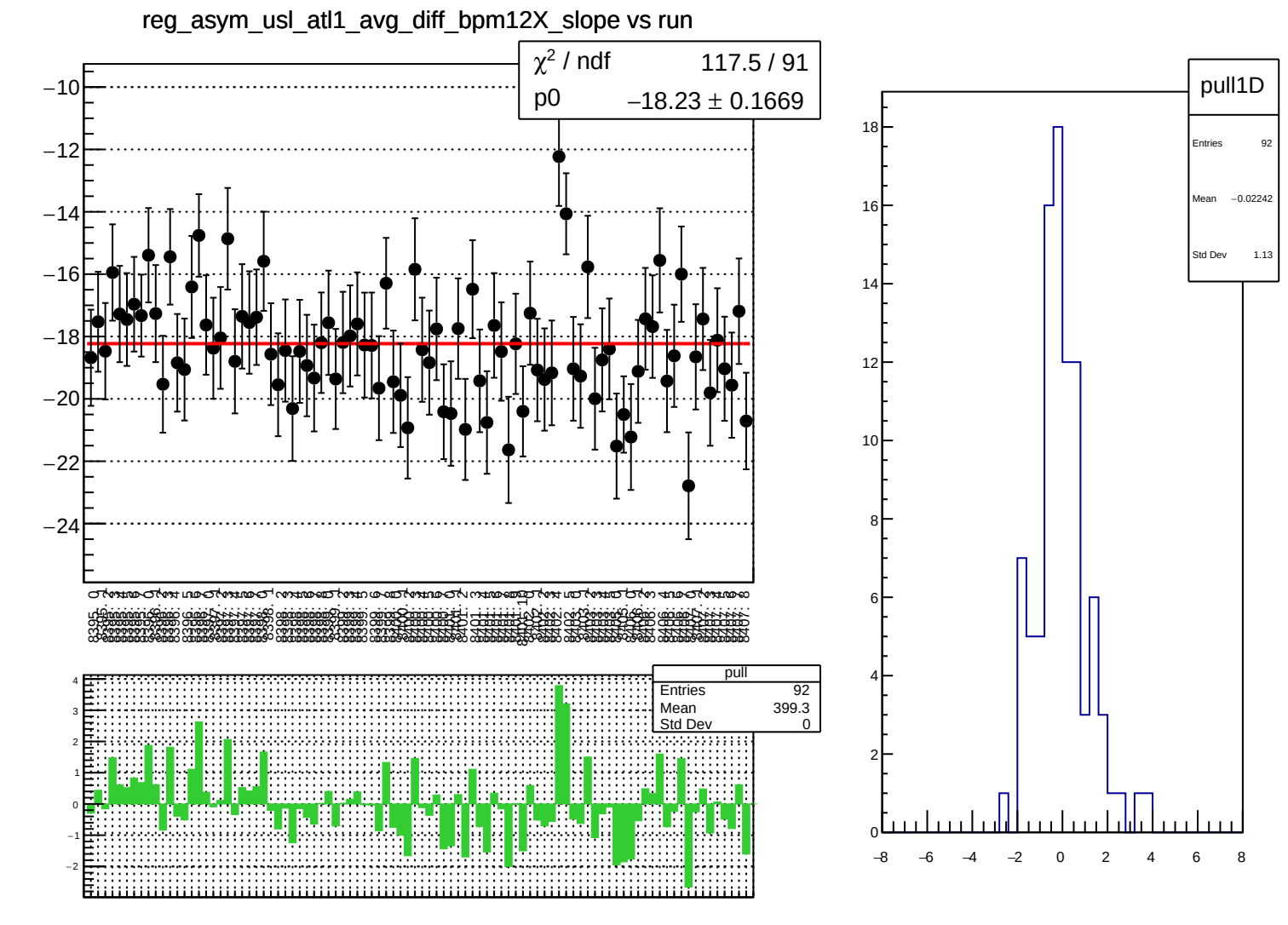

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 75.22 / 91
p0 −22.31 ± 1.425
20
0
−20
−40
−60
pull
Entries 92
Mean −416.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 92
Mean −0.001771
Std Dev 0.9042
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

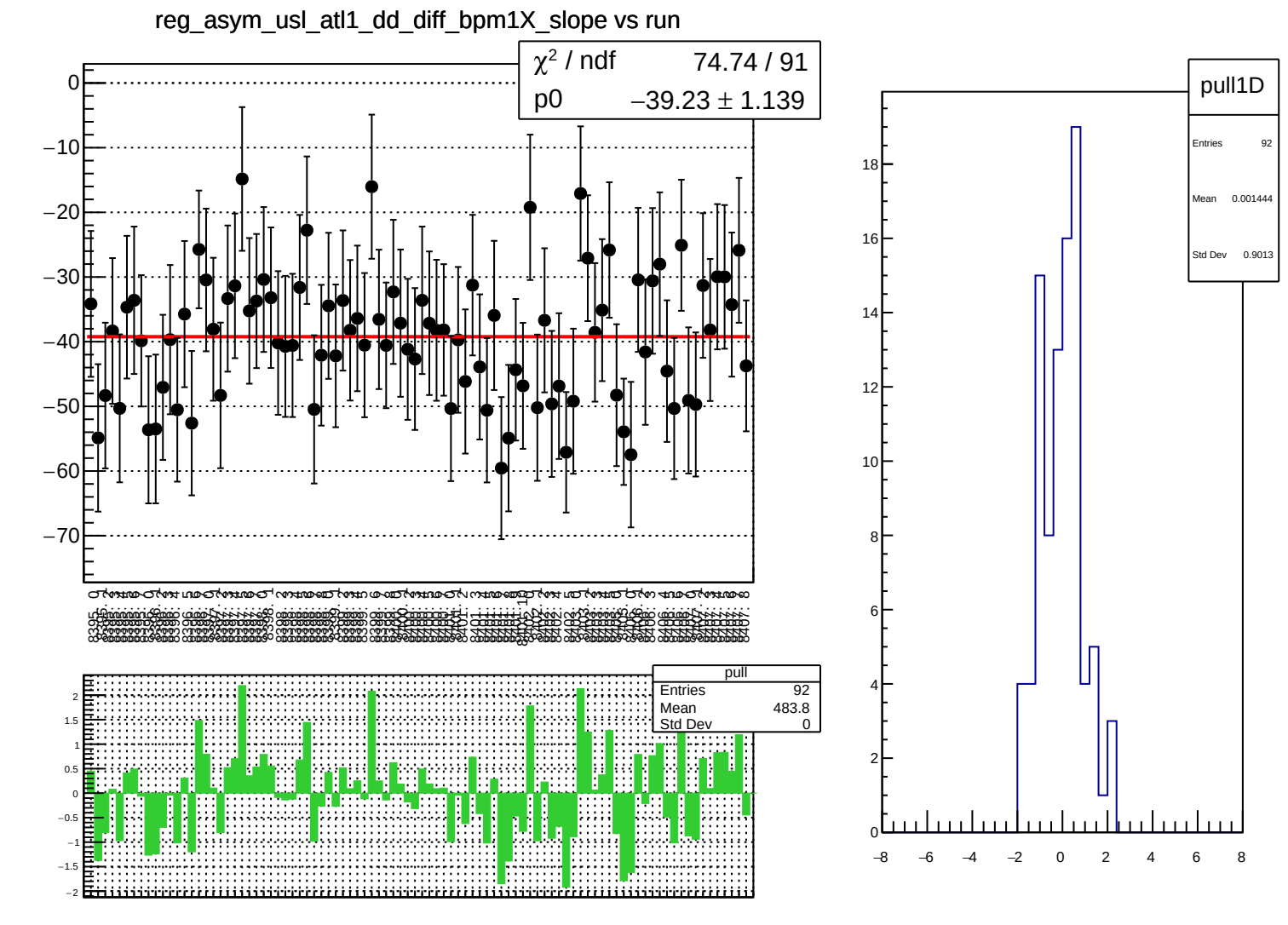

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.69 / 91
p0 5.997 ± 2.594
pull
Entries 92
Mean 492.2
Std Dev 0
pull1D
Entries 92
Mean 0.003201
Std Dev 0.8385

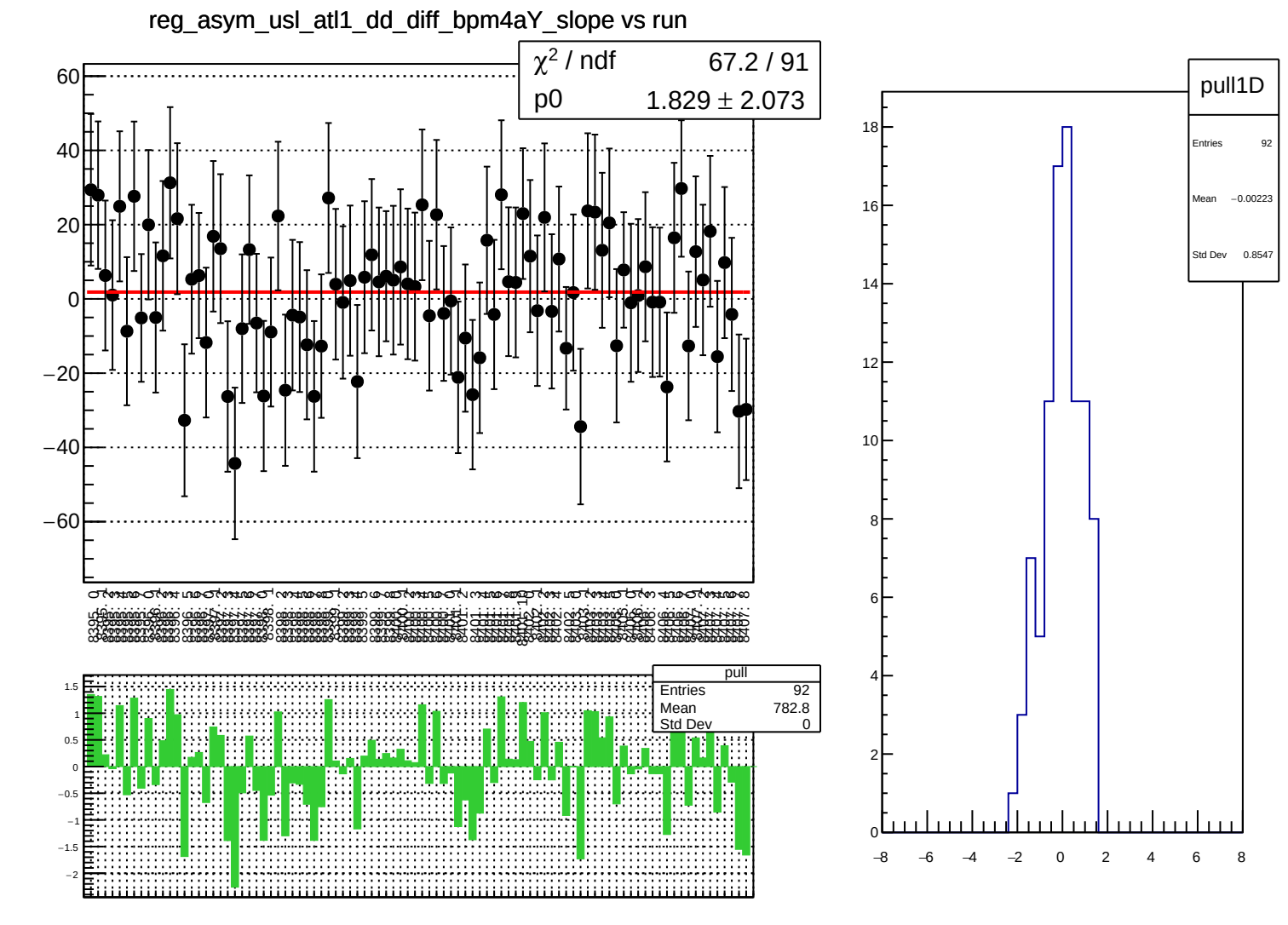

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.32 / 91
p0 7.211 ± 1.592
pull
Entries 92
Mean −294.5
Std Dev 0

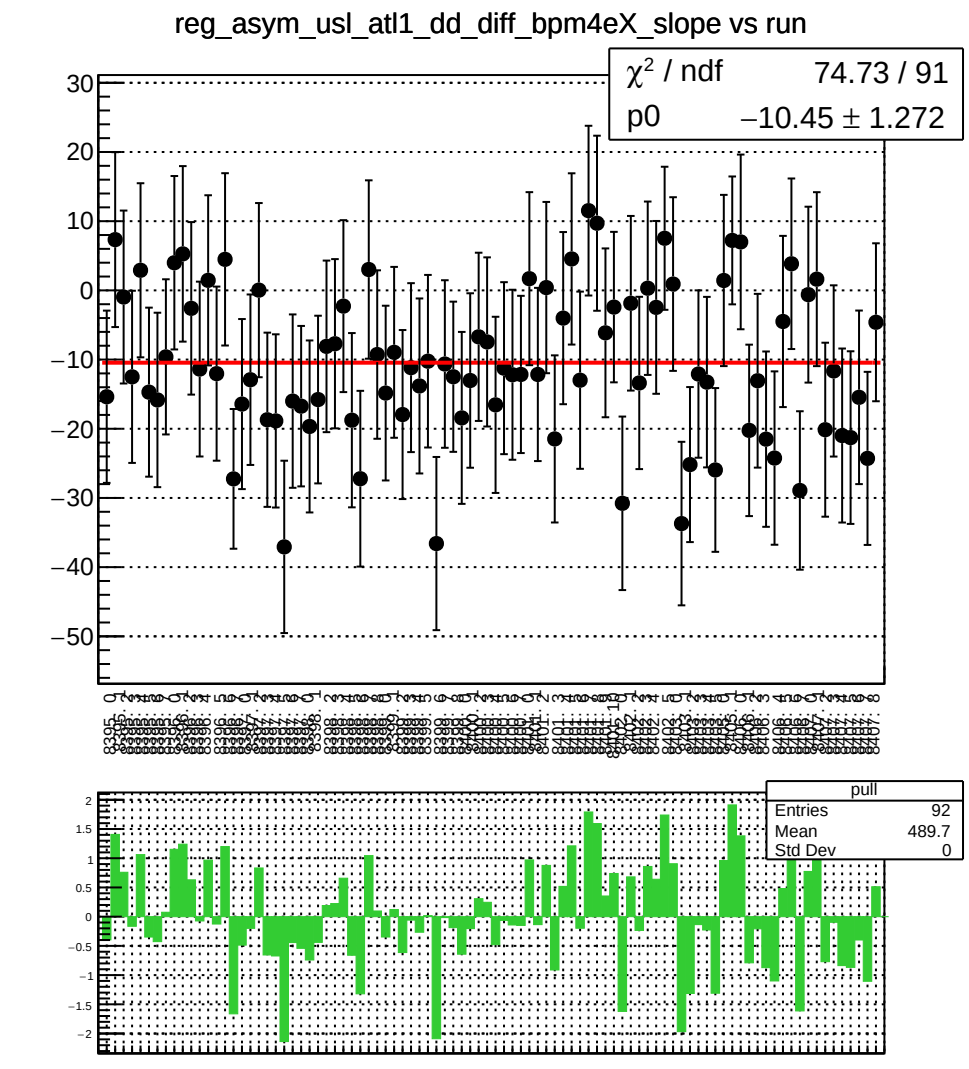

pull1D
Entries 92
Mean 0.002433
Std Dev 0.9108

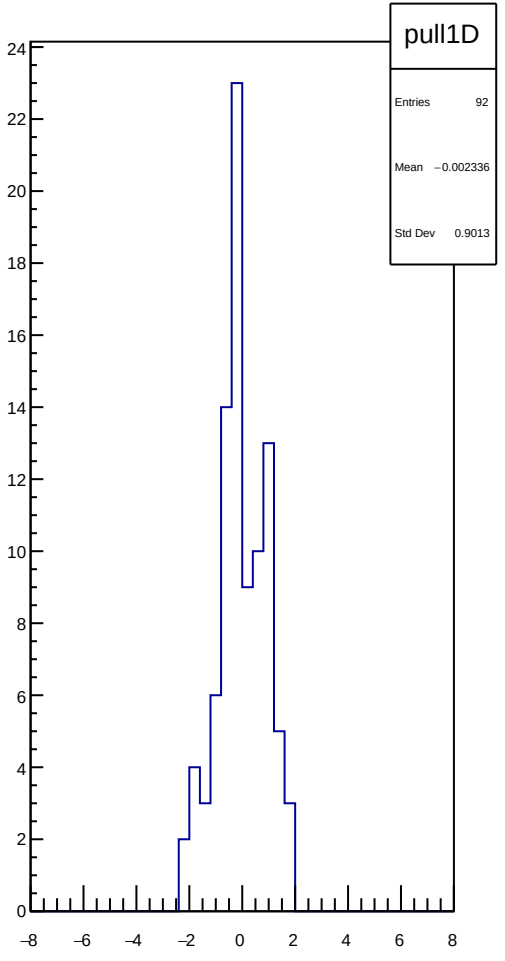

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.82 / 91
p0 −1.036 ± 2.711
pull
Entries 92
Mean 245.8
Std Dev 0
pull1D
Entries 92
Mean −0.003492
Std Dev 0.8329

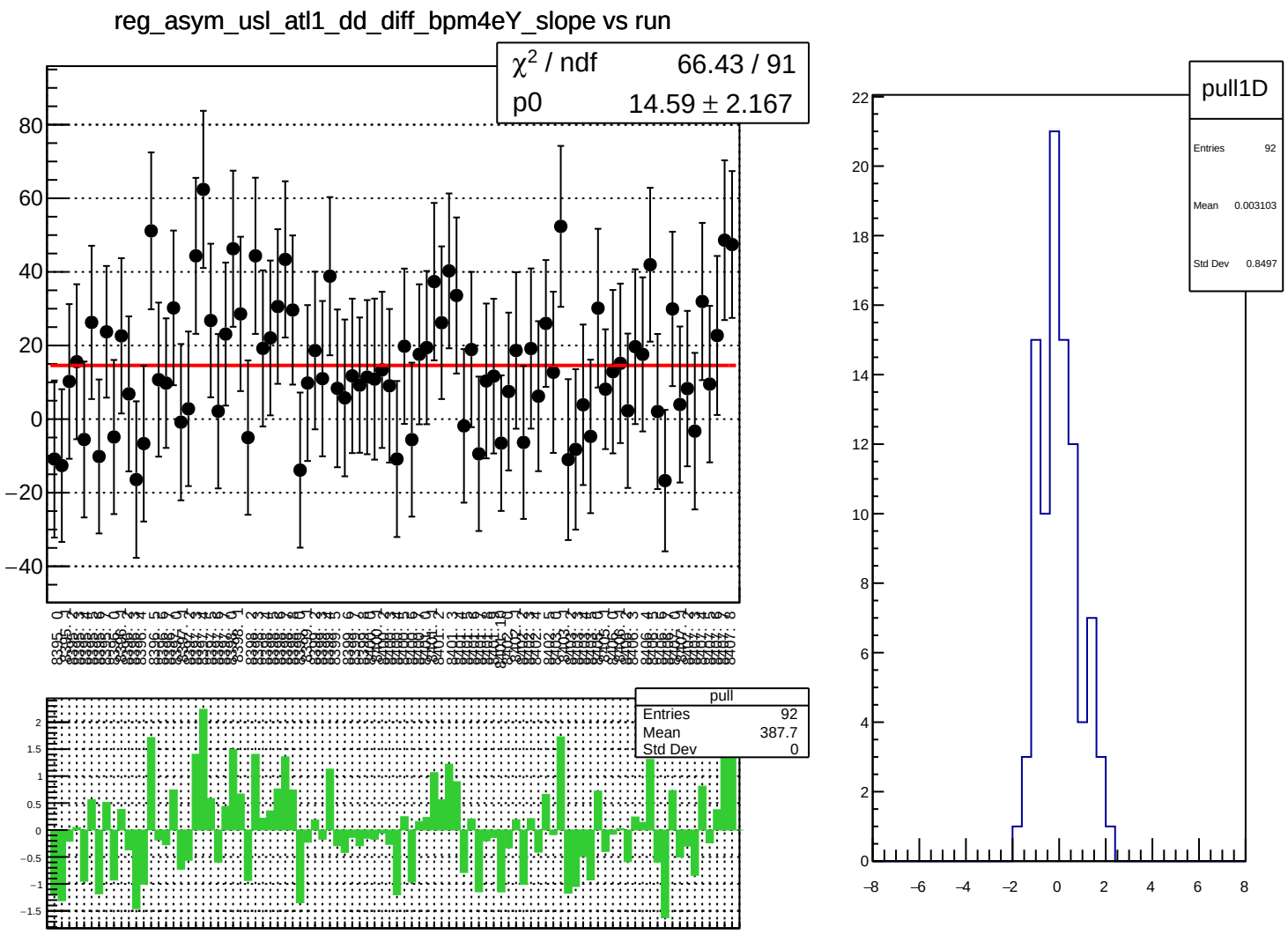

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 117.5 / 91
p0 −18.23 ± 0.1669
pull
Entries 92
Mean 399.3
Std Dev 0
pull1D
Entries 92
Mean −0.02242
Std Dev 1.13

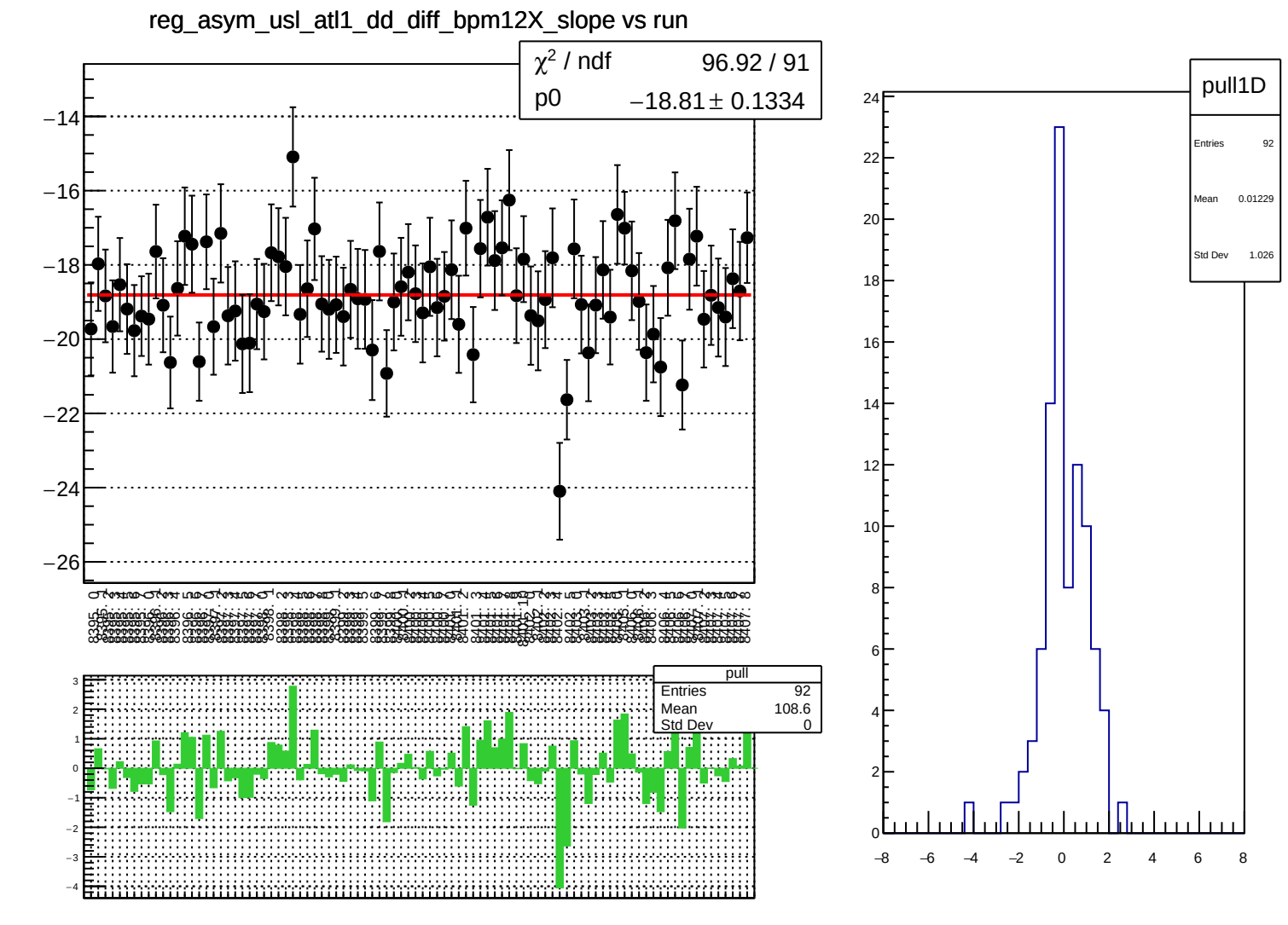

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 74.74 / 91
p0 −39.23 ± 1.139
pull
Entries 92
Mean 483.8
Std Dev 0
pull1D
Entries 92
Mean 0.001444
Std Dev 0.9013

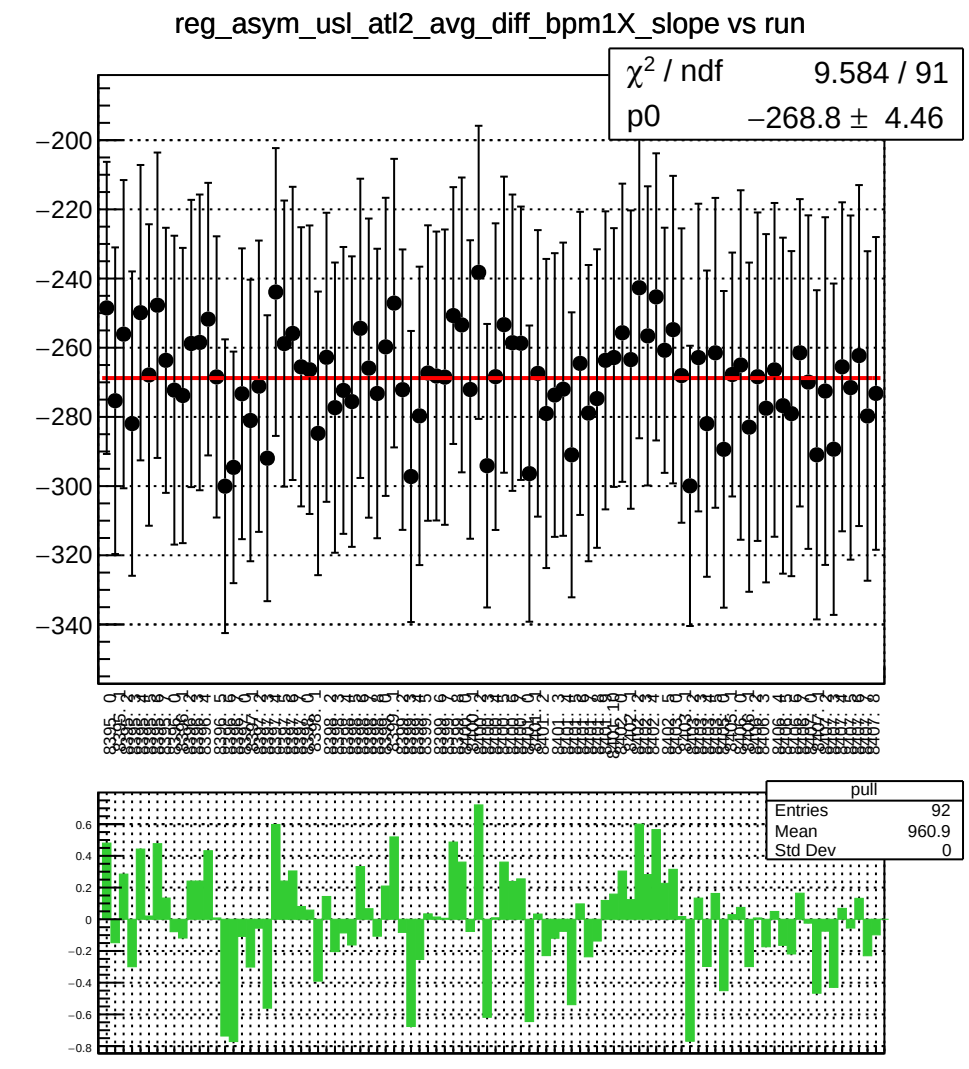

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.2 / 91
p0 1.829 ± 2.073
pull
Entries 92
Mean 782.8
Std Dev 0
pull1D
Entries 92
Mean −0.00223
Std Dev 0.8547

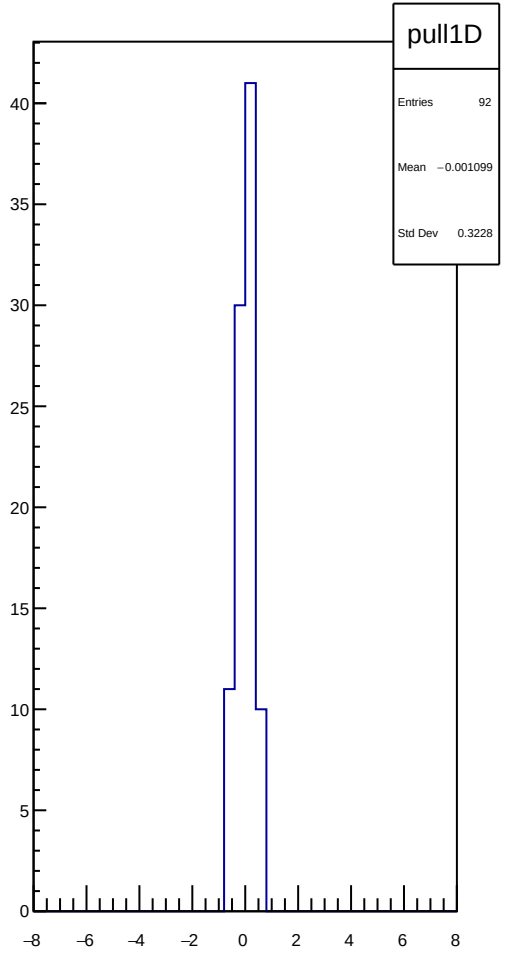

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.73 / 91
p0 −10.45 ± 1.272
pull
Entries 92
Mean 489.7
Std Dev 0

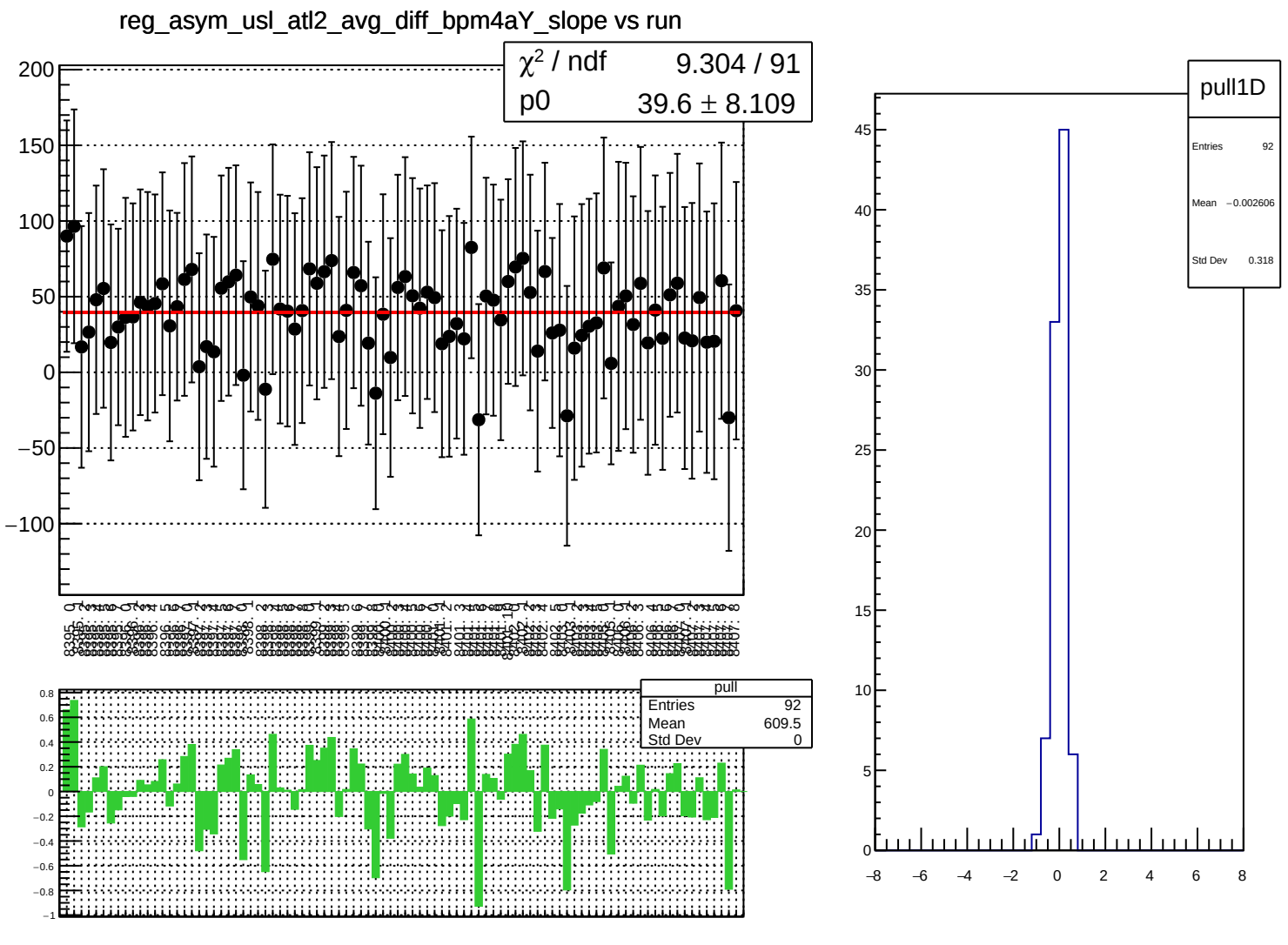

pull1D
Entries 92
Mean −0.002336
Std Dev 0.9013

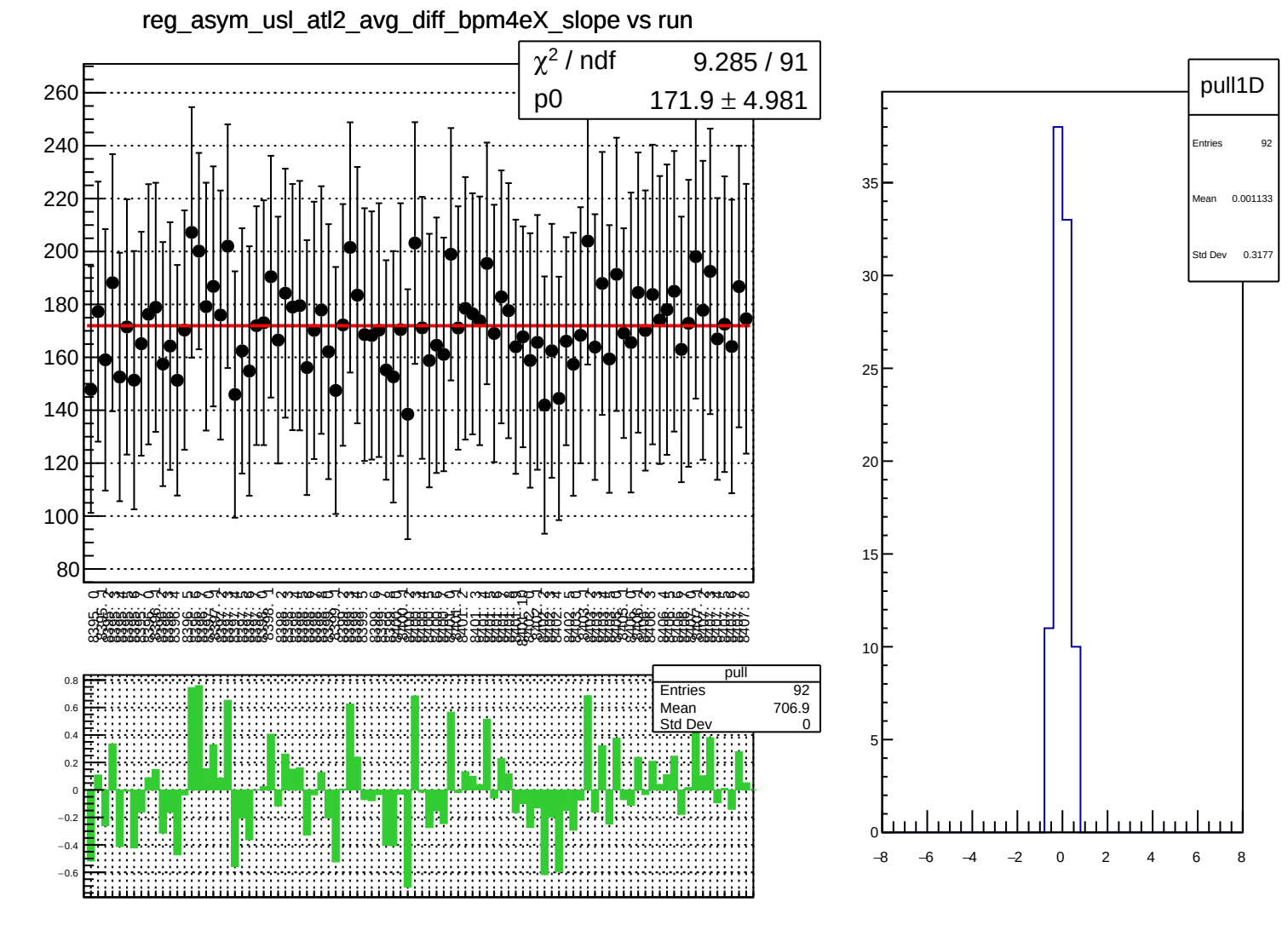

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.43 / 91
p0 14.59 ± 2.167
pull
Entries 92
Mean 387.7
Std Dev 0
pull1D
Entries 92
Mean 0.003103
Std Dev 0.8497

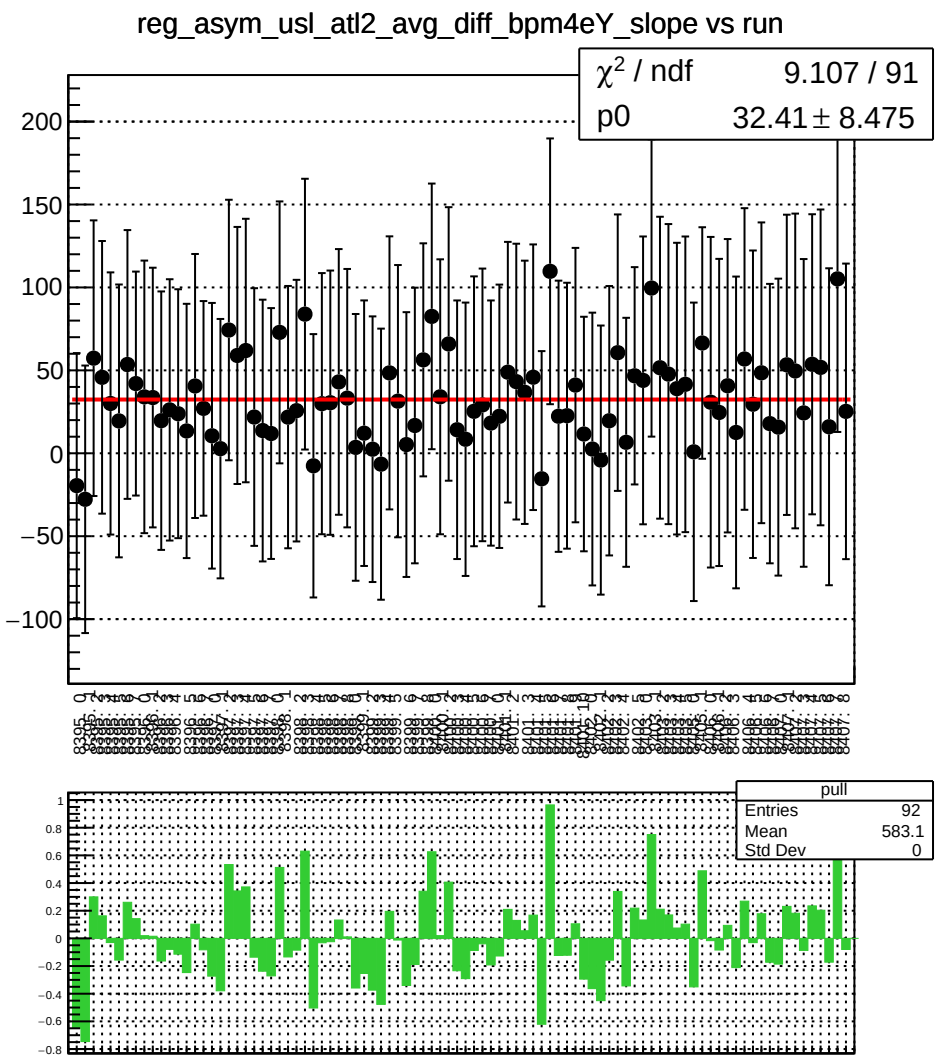

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 96.92 / 91
p0 −18.81 ± 0.1334
pull
Entries 92
Mean 108.6
Std Dev 0
pull1D
Entries 92
Mean 0.01229
Std Dev 1.026

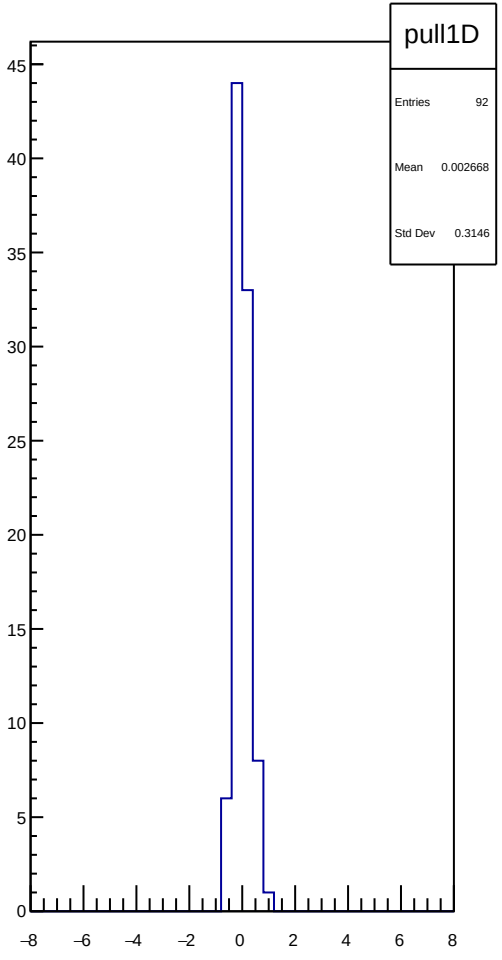

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 9.584 / 91
p0 −268.8 ± 4.46
−200
−220
−240
−260
−280
−300
−320
−340
pull
Entries 92
Mean 960.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

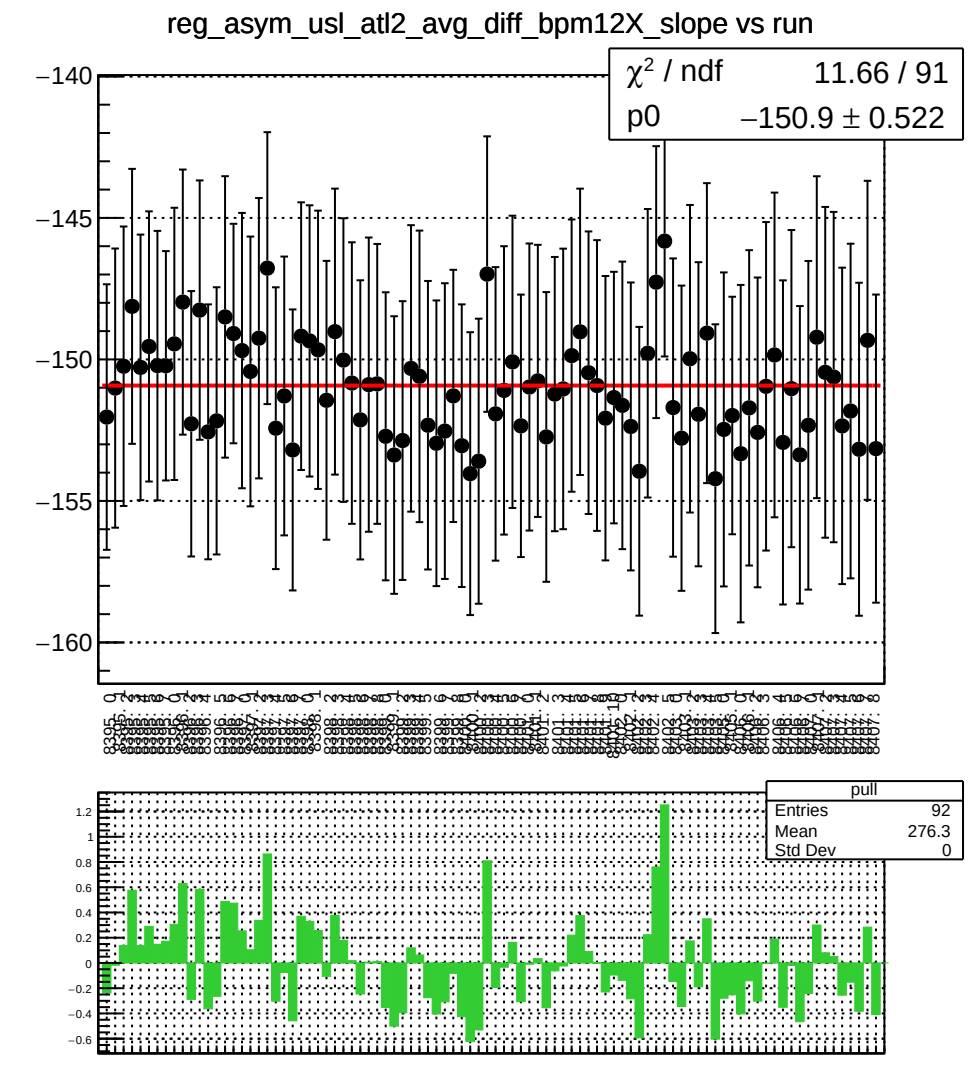

pull1D
Entries 92
Mean −0.001099
Std Dev 0.3228
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

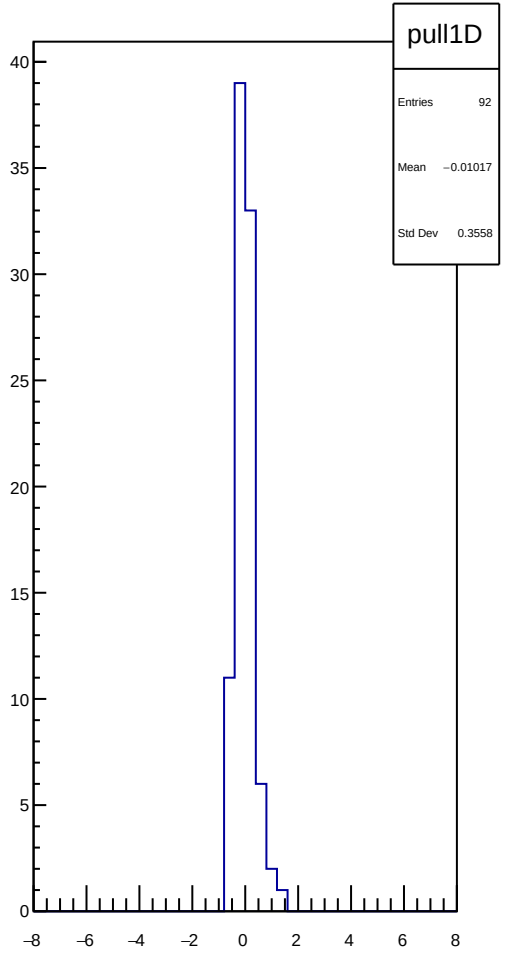

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.304 / 91
p0 39.6 ± 8.109
pull
Entries 92
Mean 609.5
Std Dev 0
pull1D
Entries 92
Mean −0.002606
Std Dev 0.318

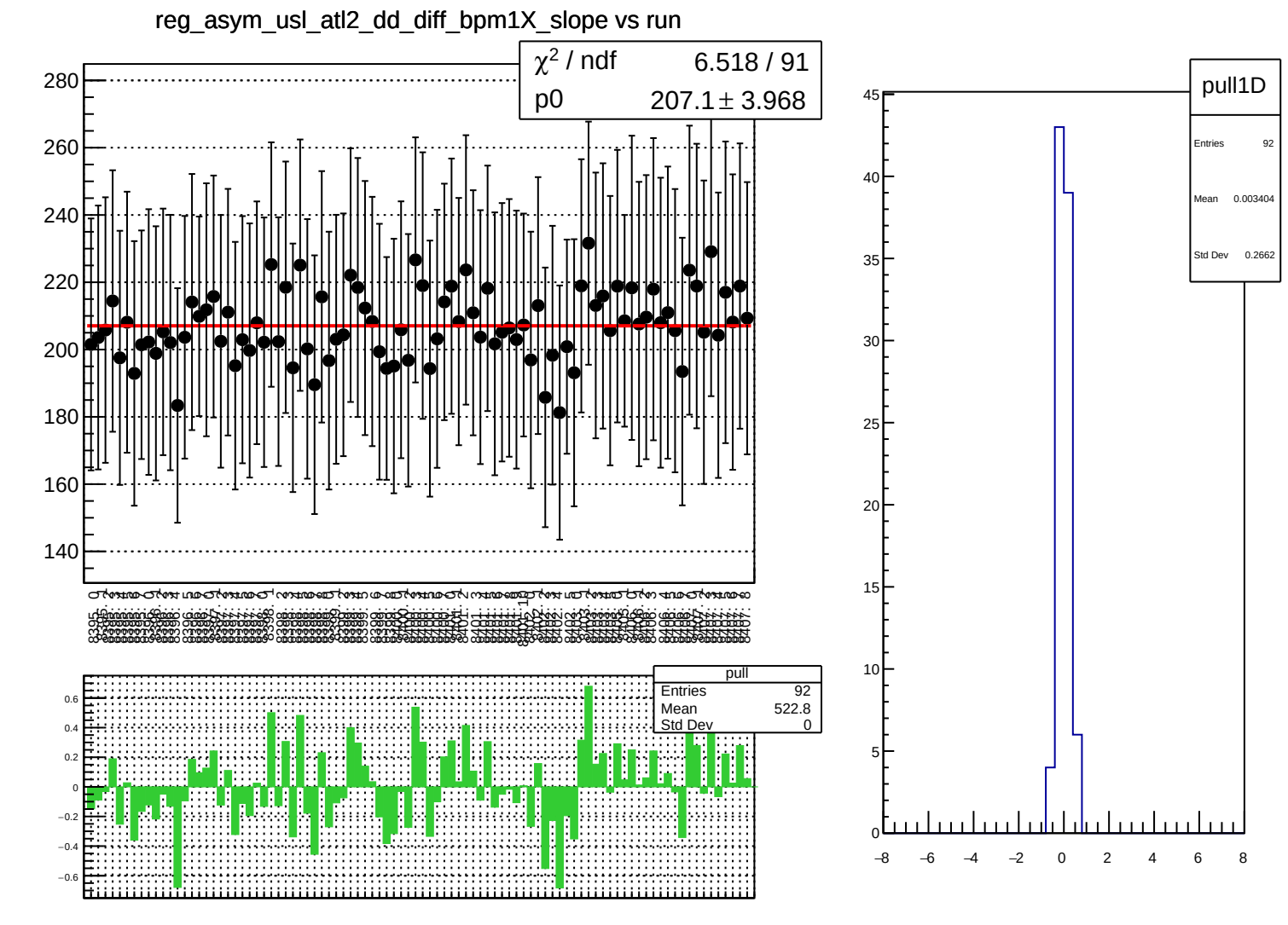

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.285 / 91
p0 171.9 ± 4.981
pull
Entries 92
Mean 706.9
Std Dev 0
pull1D
Entries 92
Mean 0.001133
Std Dev 0.3177

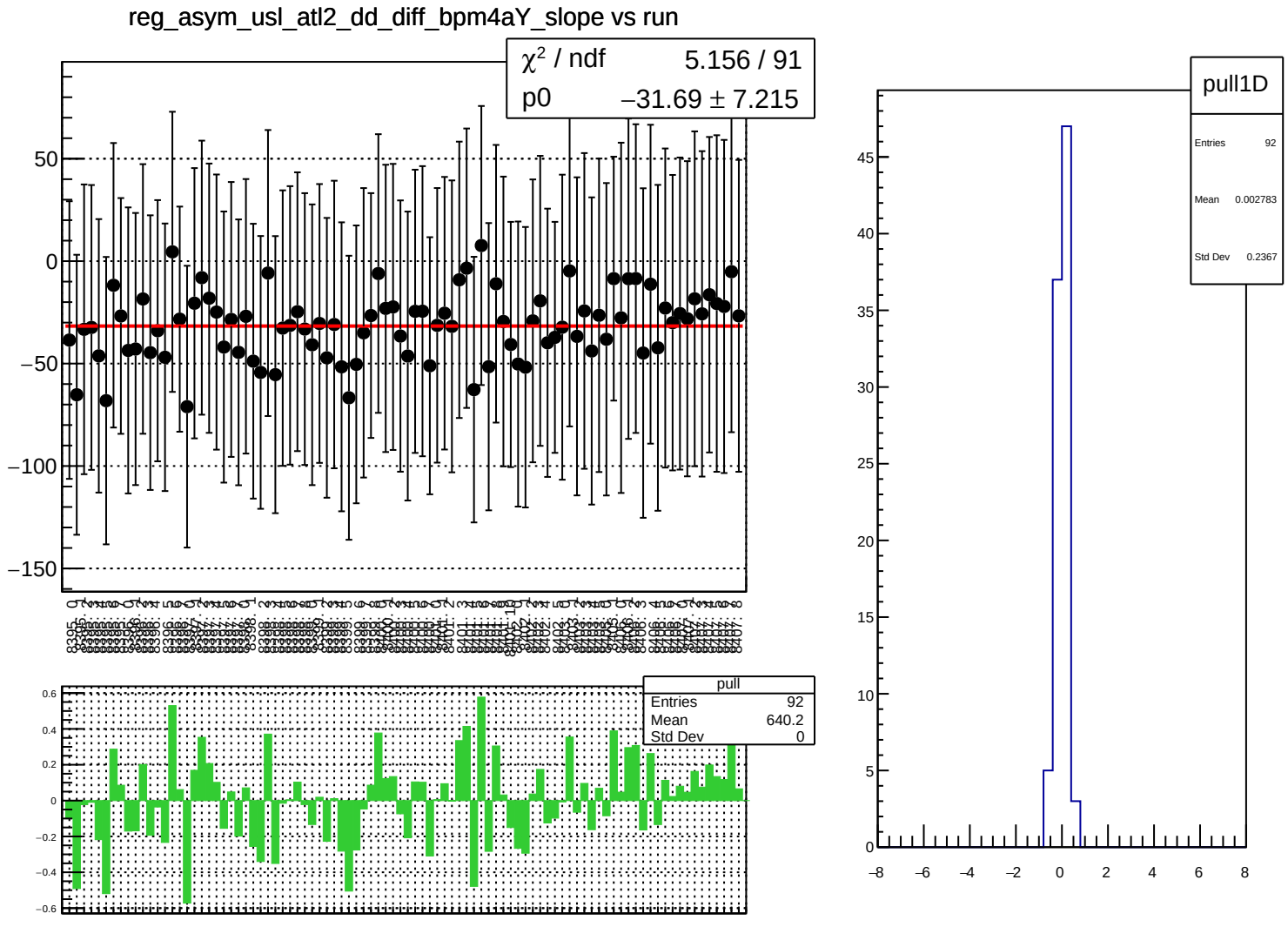

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.107 / 91
p0 32.41 ± 8.475
200
150
100
50
0
−50
−100
pull
Entries 92
Mean 583.1
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

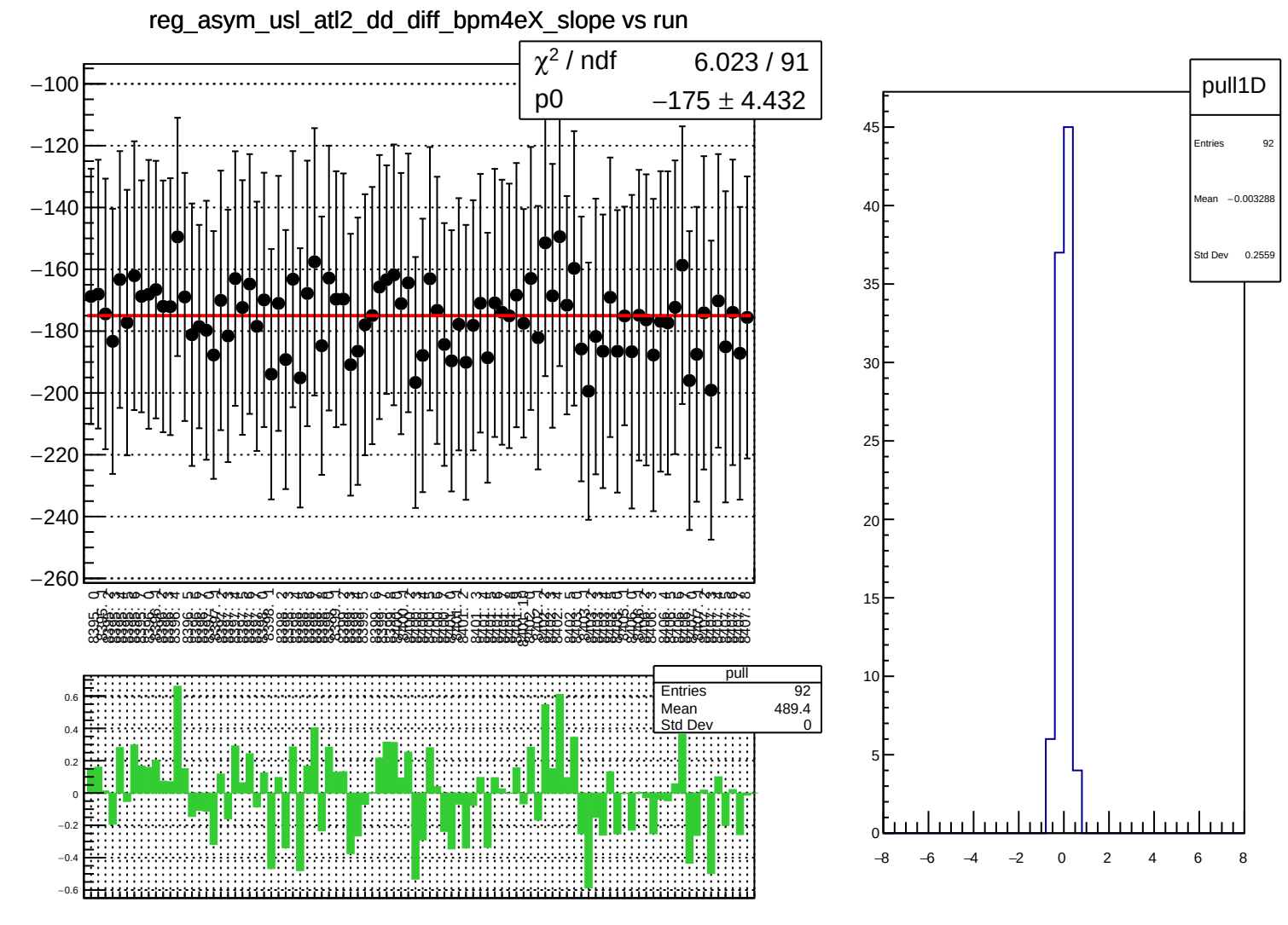

pull1D
Entries 92
Mean 0.002668
Std Dev 0.3146
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

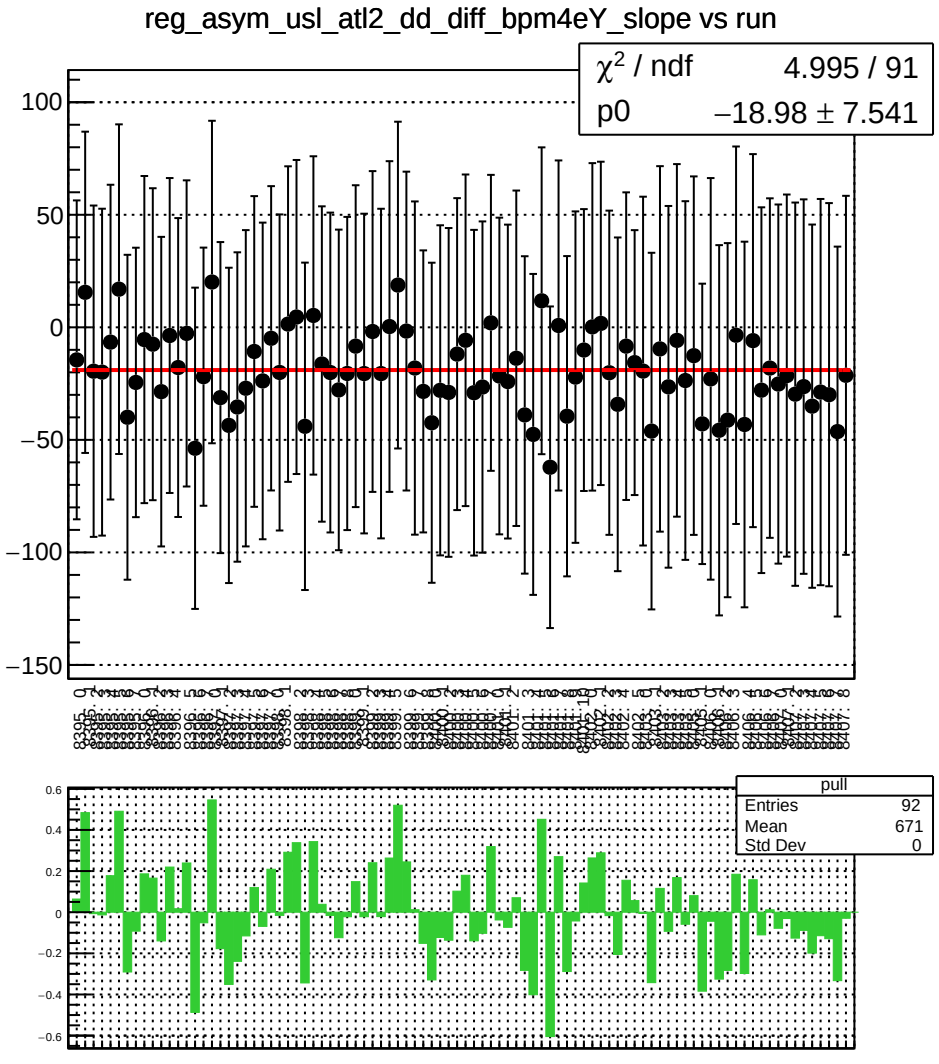

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.66 / 91
p0 −150.9 ± 0.522
−140
−145
−150
−155
−160
pull
Entries 92
Mean 276.3
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

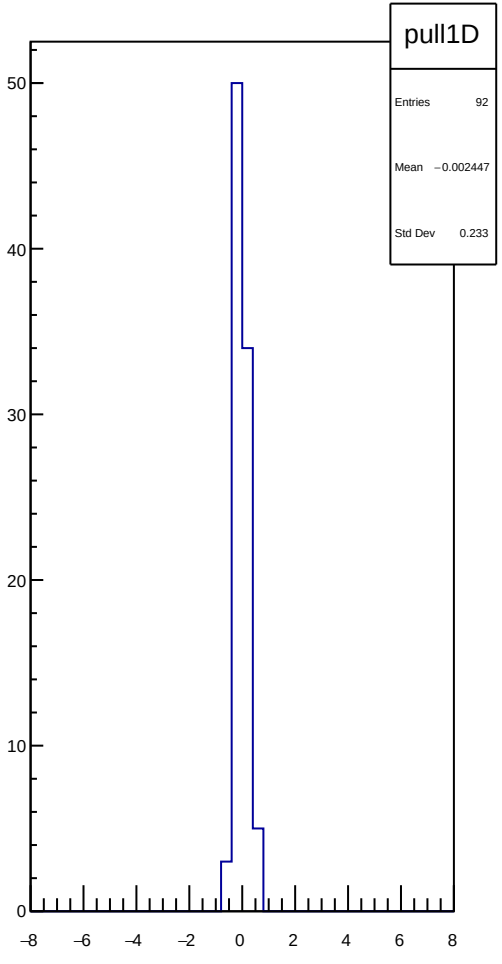

pull1D
Entries 92
Mean −0.01017
Std Dev 0.3558
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

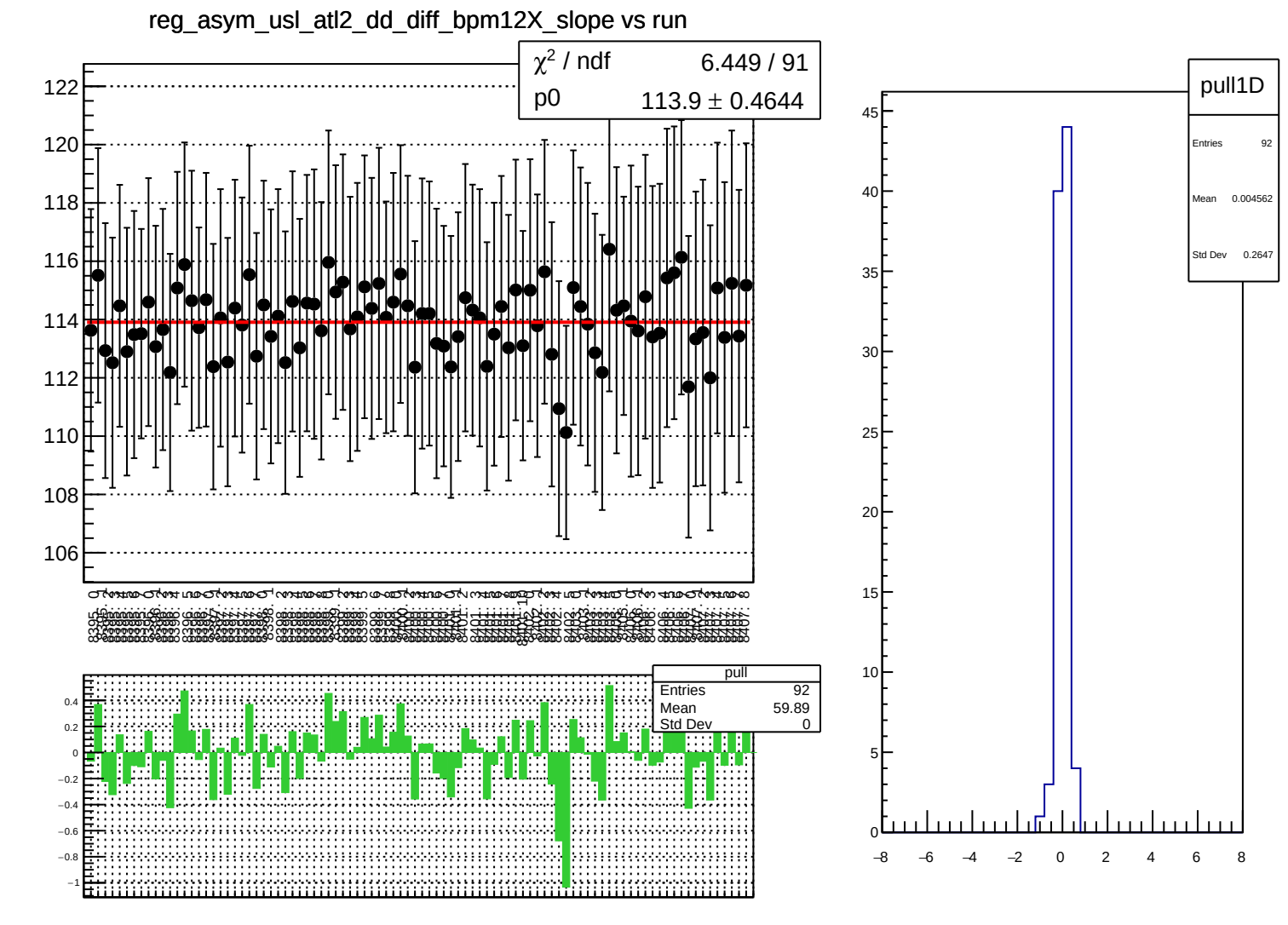

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.518 / 91
p0 207.1 ± 3.968
280
260
240
220
200
180
160
140
pull
Entries 92
Mean 522.8
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.003404
Std Dev 0.2662
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

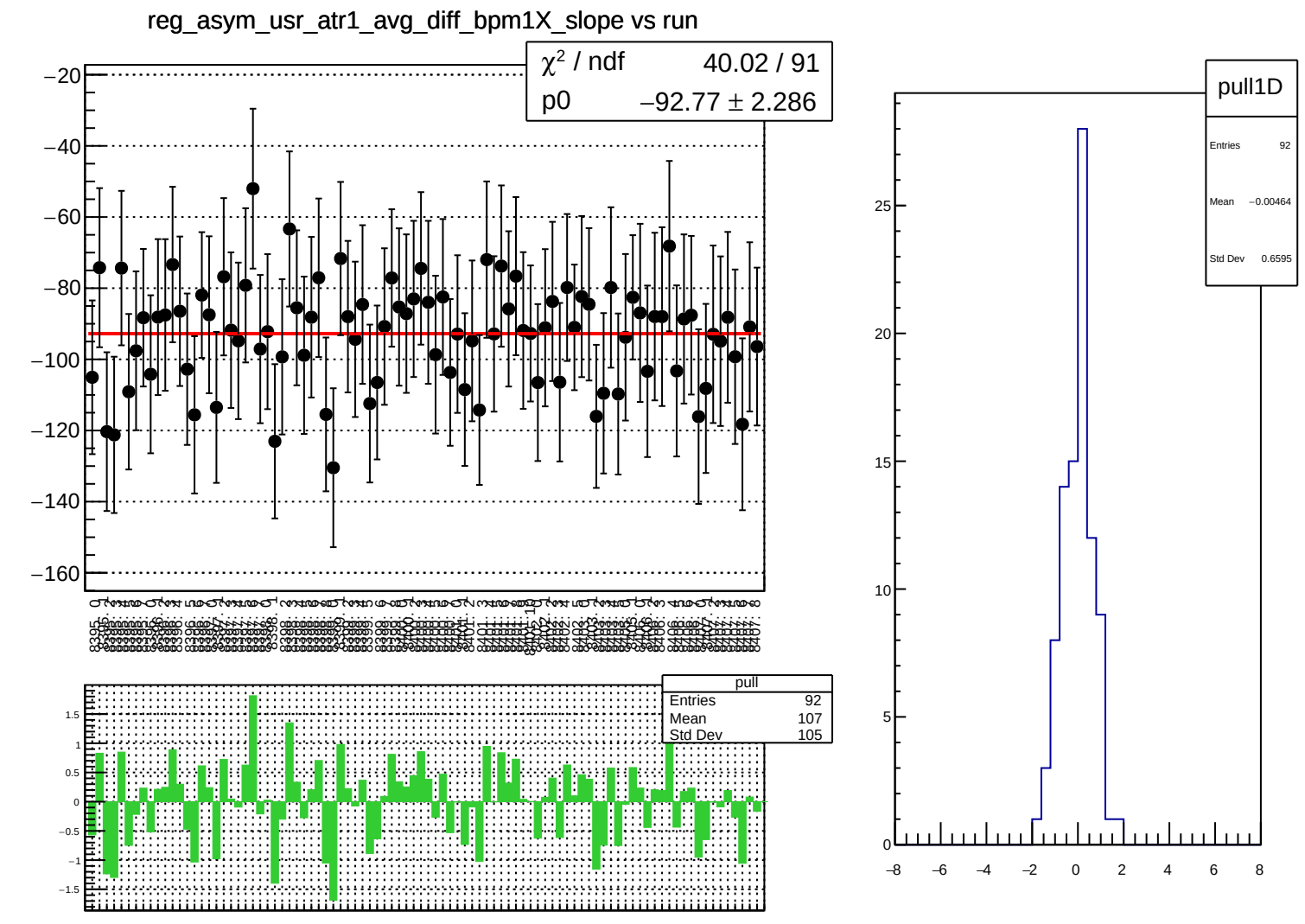

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.156 / 91
p0 −31.69 ± 7.215
50
0
−50
−100
−150
pull
Entries 92
Mean 640.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.002783
Std Dev 0.2367
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

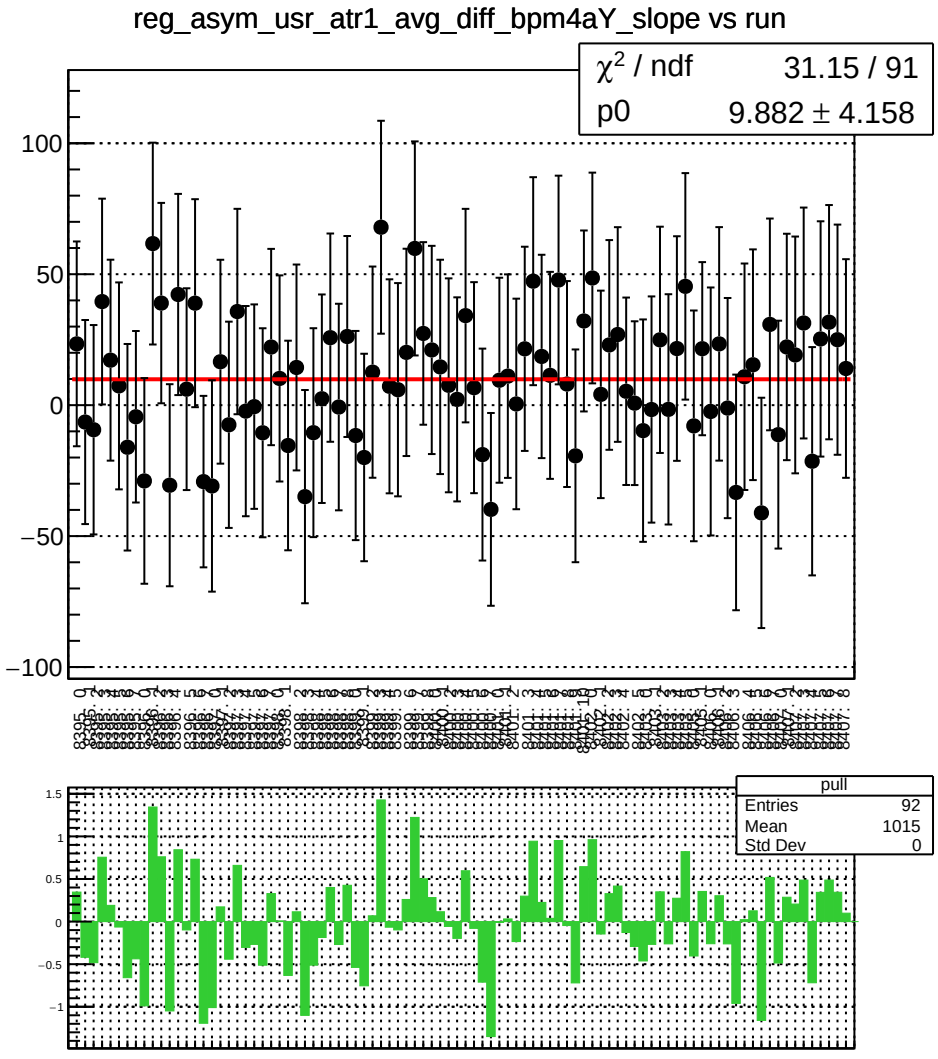

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.023 / 91
p0 −175 ± 4.432
−100
−120
−140
−160
−180
−200
−220
−240
−260
pull
Entries 92
Mean 489.4
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean −0.003288
Std Dev 0.2559
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

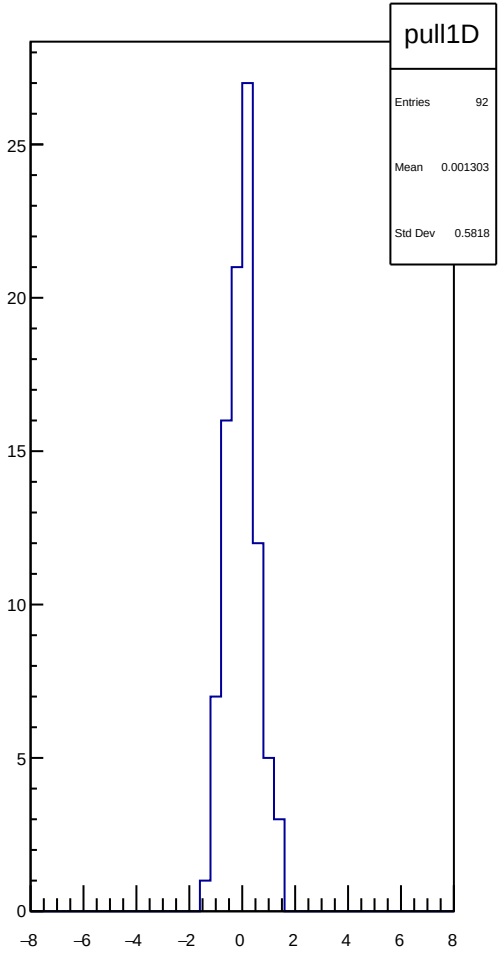

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.995 / 91
p0 −18.98 ± 7.541
pull
Entries 92
Mean 671
Std Dev 0

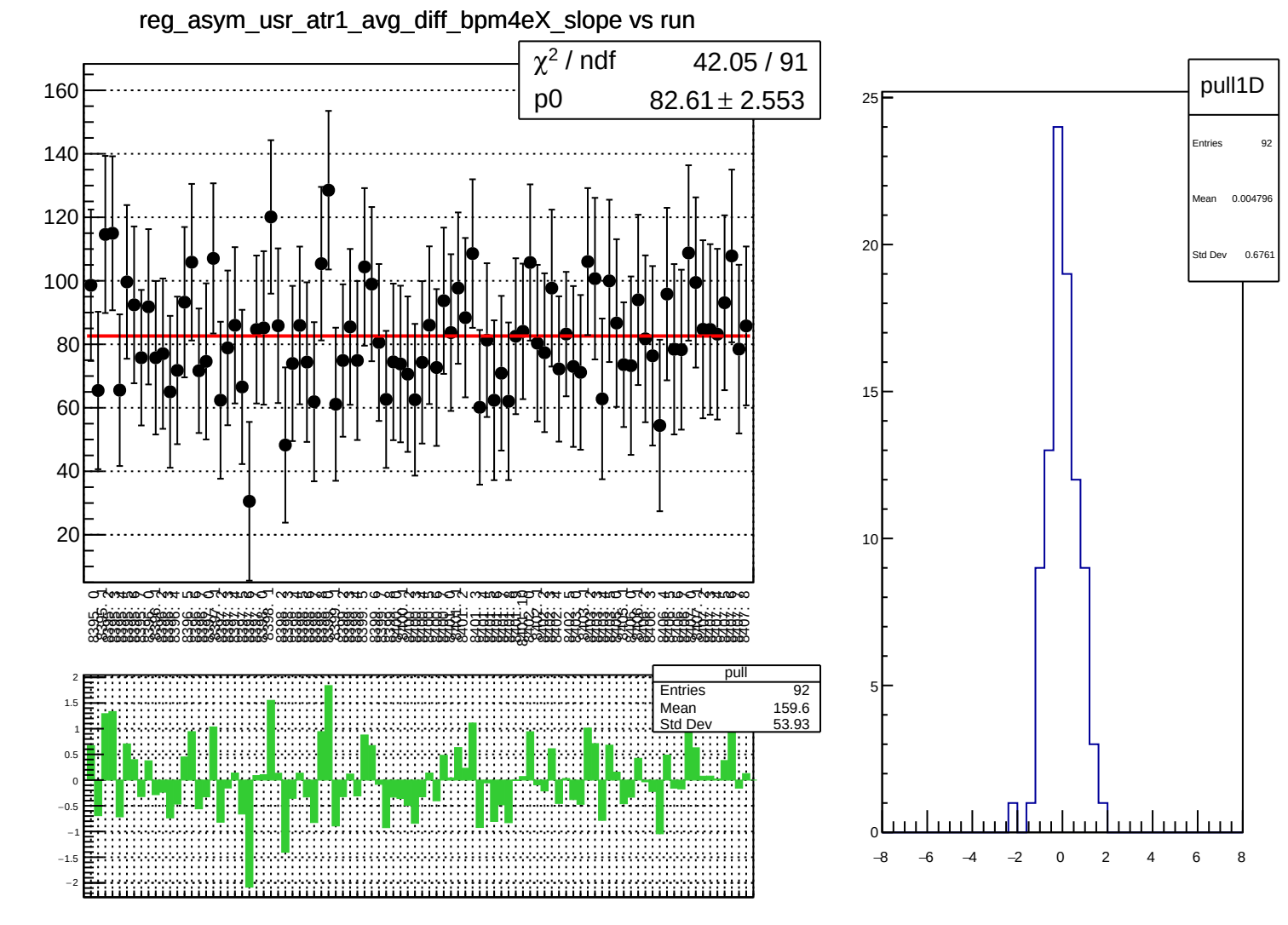

pull1D
Entries 92
Mean −0.002447
Std Dev 0.233

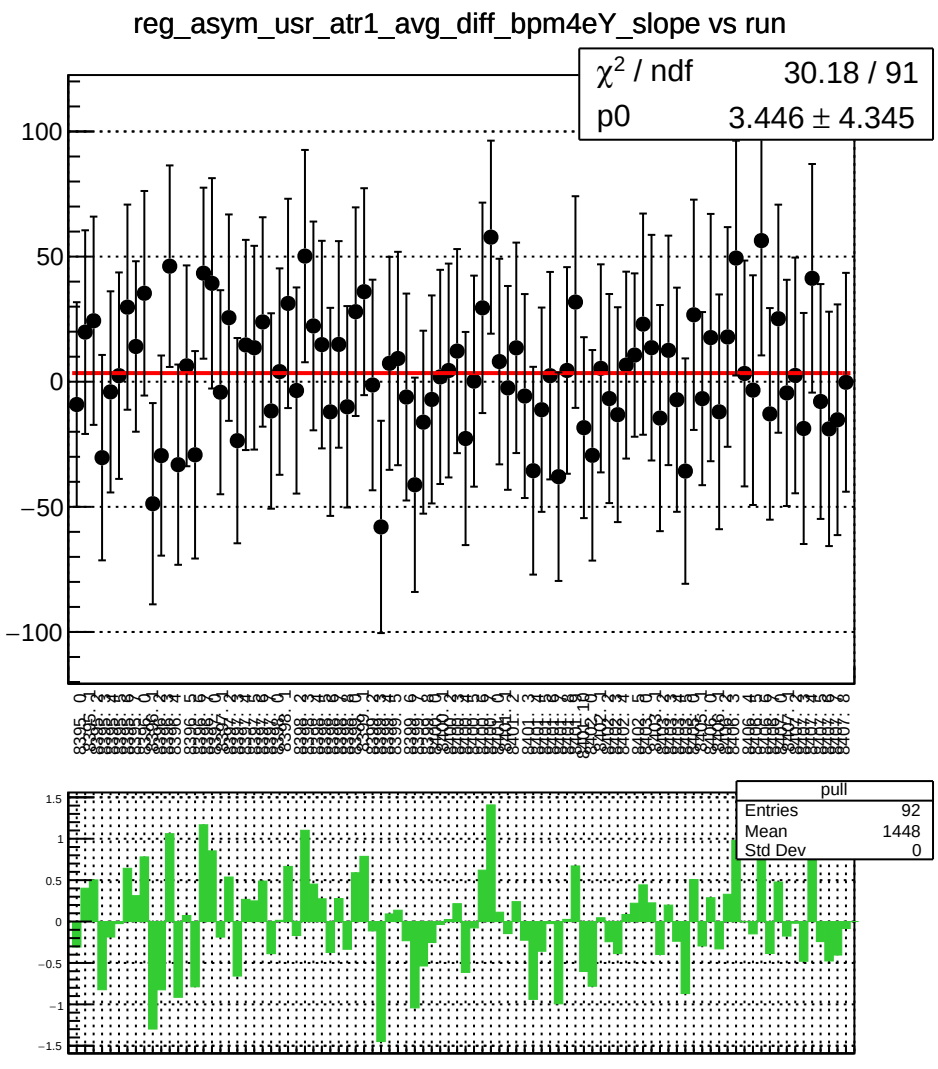

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 6.449 / 91
p0 113.9 ± 0.4644
pull
Entries 92
Mean 59.89
Std Dev 0
pull1D
Entries 92
Mean 0.004562
Std Dev 0.2647

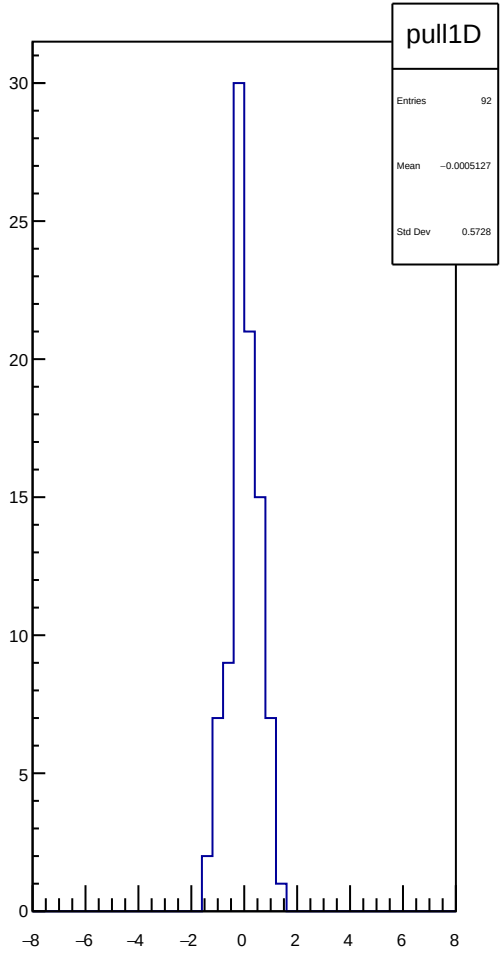

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 40.02 / 91
p0 −92.77 ± 2.286
pull
Entries 92
Mean 107
Std Dev 105
pull1D
Entries 92
Mean −0.00464
Std Dev 0.6595

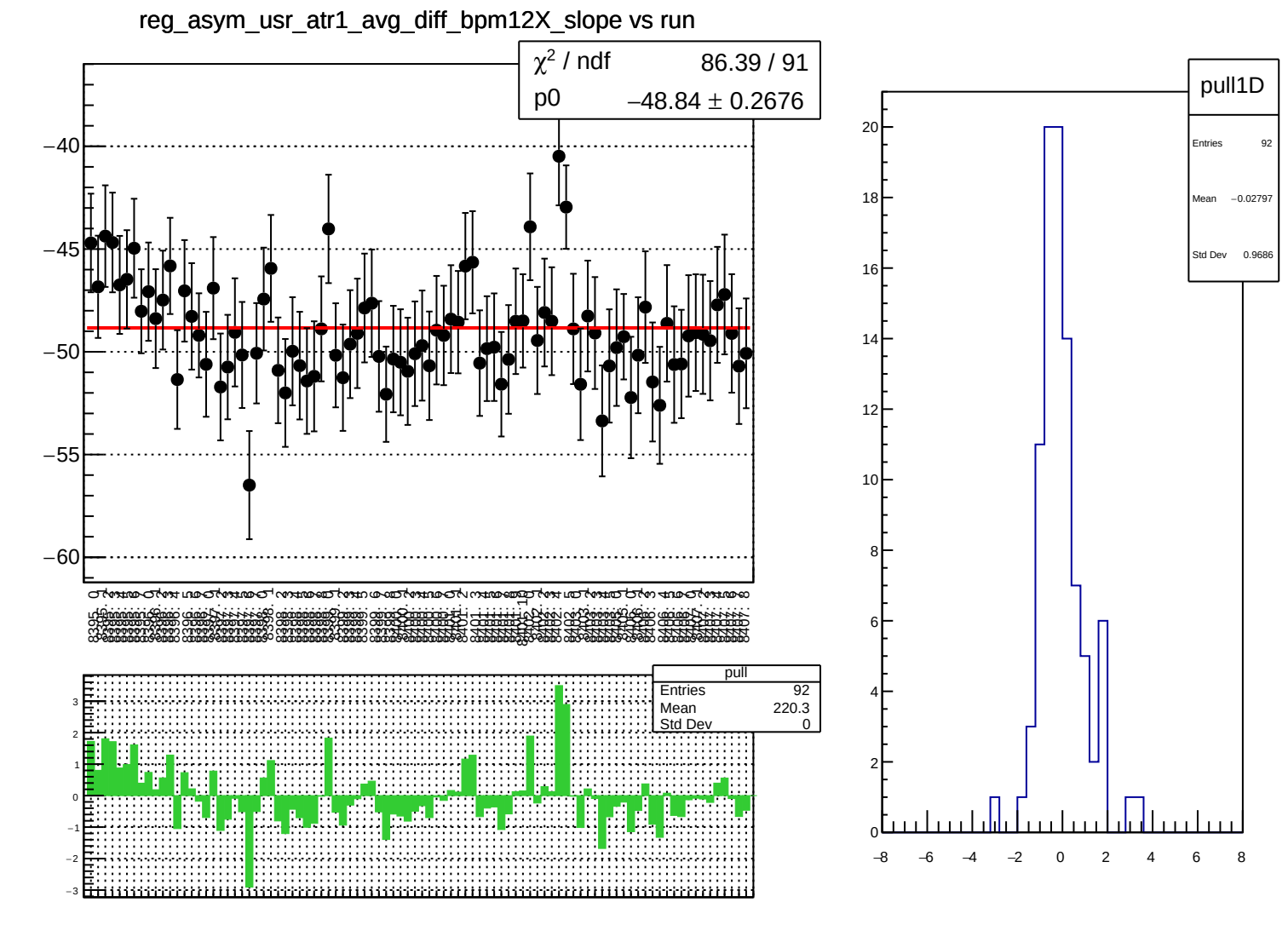

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.15 / 91
p0 9.882 ± 4.158
pull
Entries 92
Mean 1015
Std Dev 0

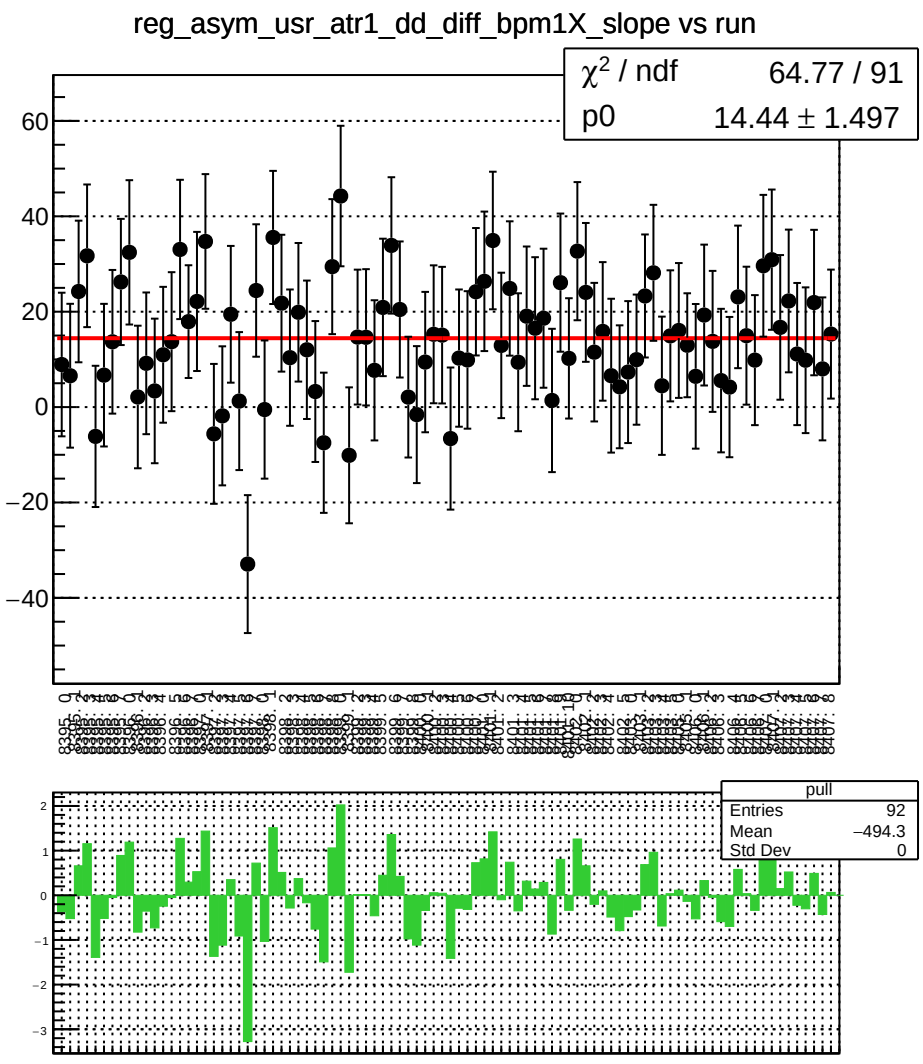

pull1D
Entries 92
Mean 0.001303
Std Dev 0.5818

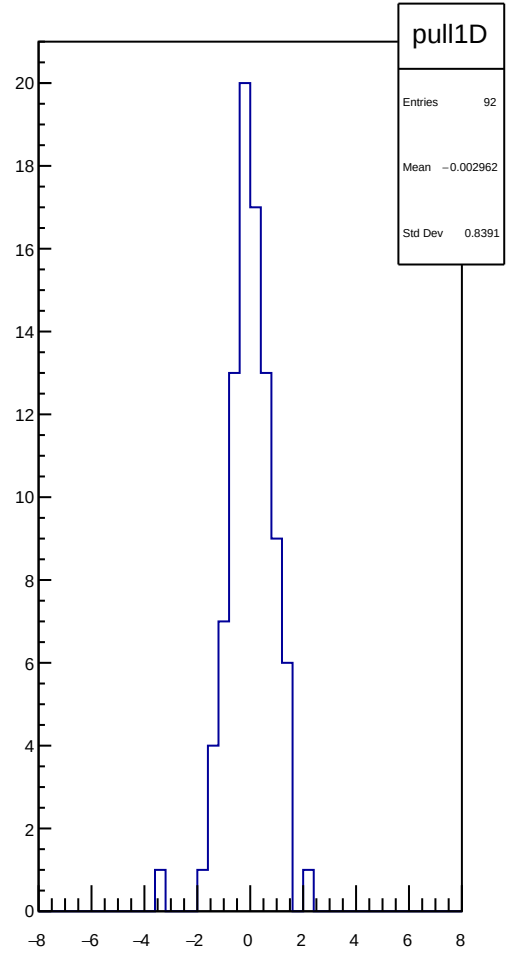

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.05 / 91
p0 82.61 ± 2.553
pull
Entries 92
Mean 159.6
Std Dev 53.93
pull1D
Entries 92
Mean 0.004796
Std Dev 0.6761

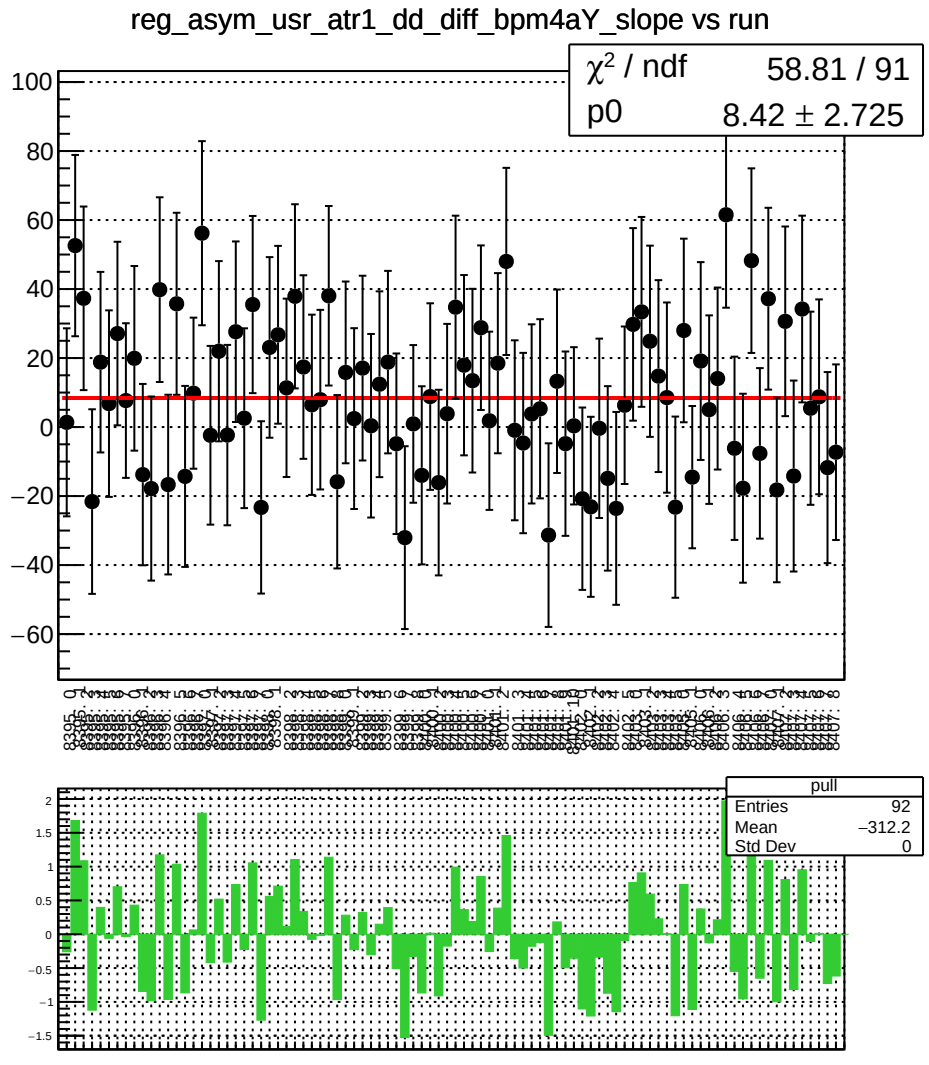

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.18 / 91
p0 3.446 ± 4.345
100
50
0
−50
−100
pull
Entries 92
Mean 1448
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

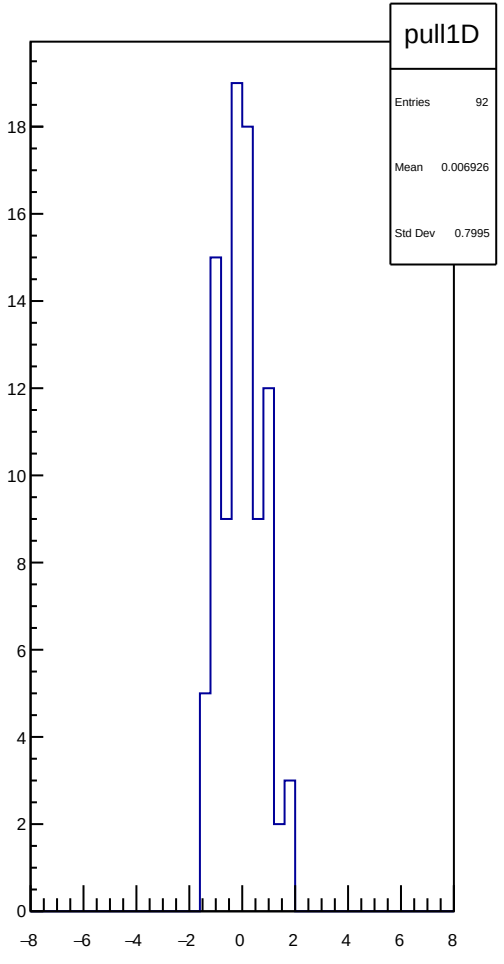

pull1D
Entries 92
Mean −0.0005127
Std Dev 0.5728
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

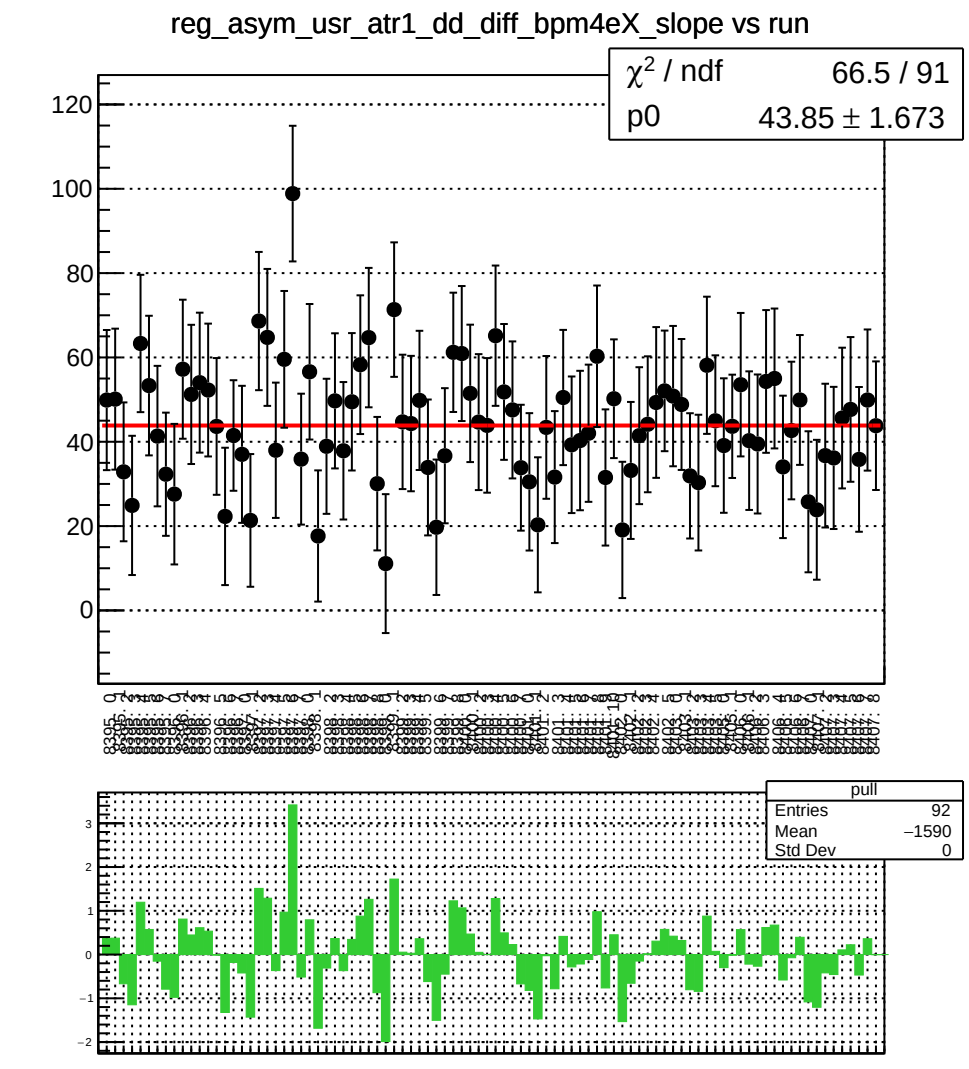

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 86.39 / 91
p0 −48.84 ± 0.2676
pull
Entries 92
Mean 220.3
Std Dev 0
pull1D
Entries 92
Mean −0.02797
Std Dev 0.9686

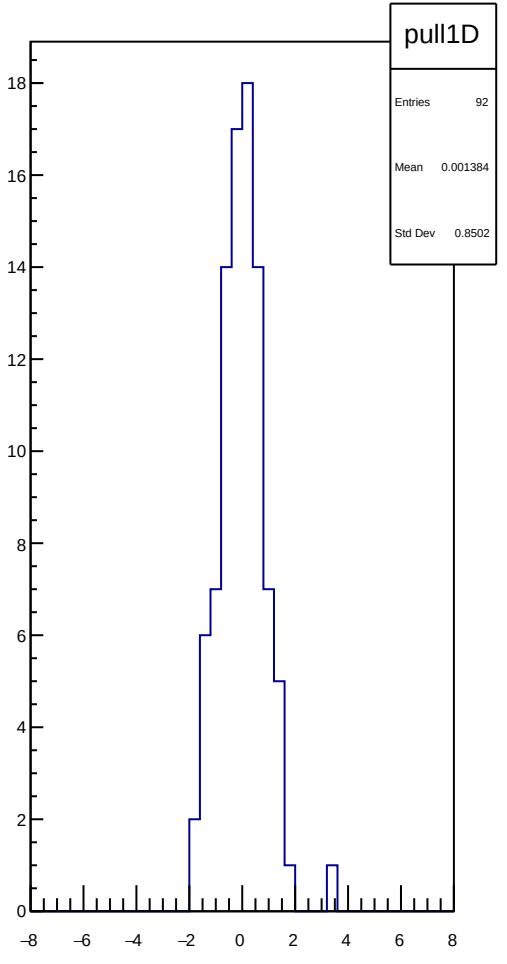

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 64.77 / 91
p0 14.44 ± 1.497
pull
Entries 92
Mean −494.3
Std Dev 0

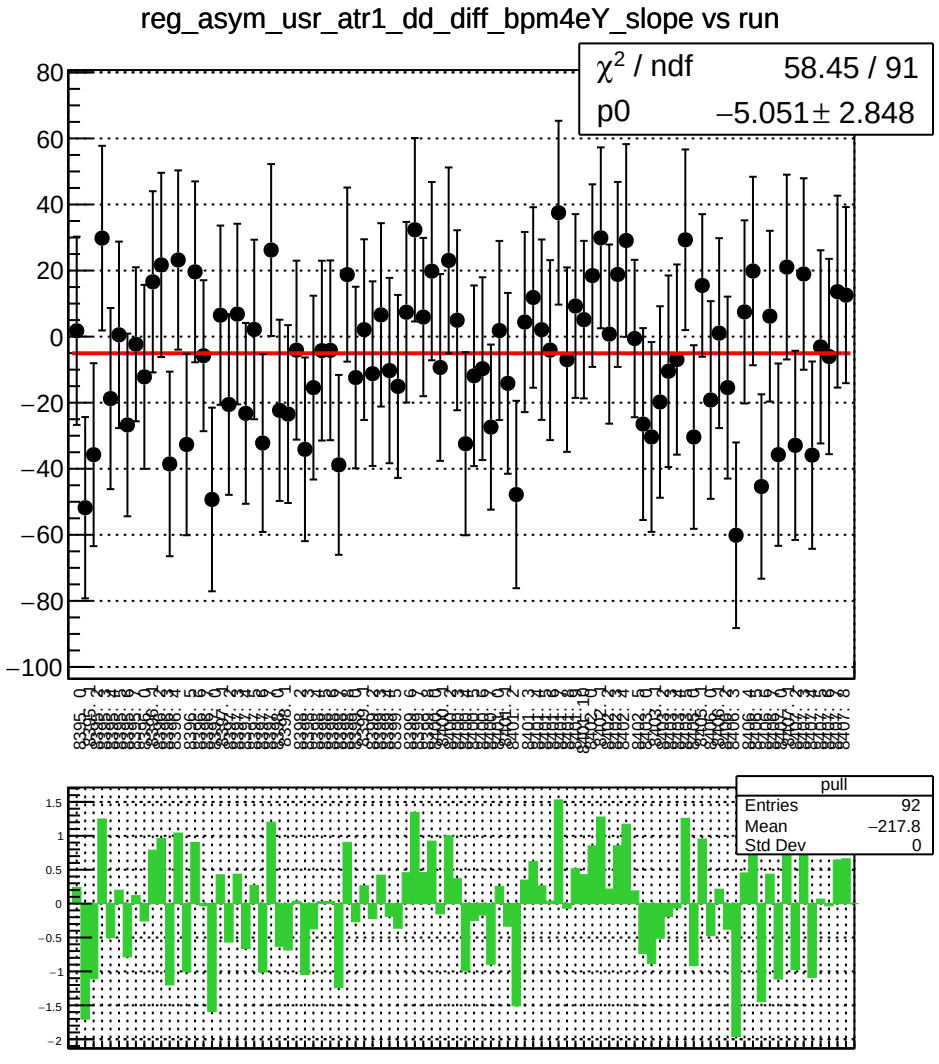

pull1D
Entries 92
Mean −0.002962
Std Dev 0.8391

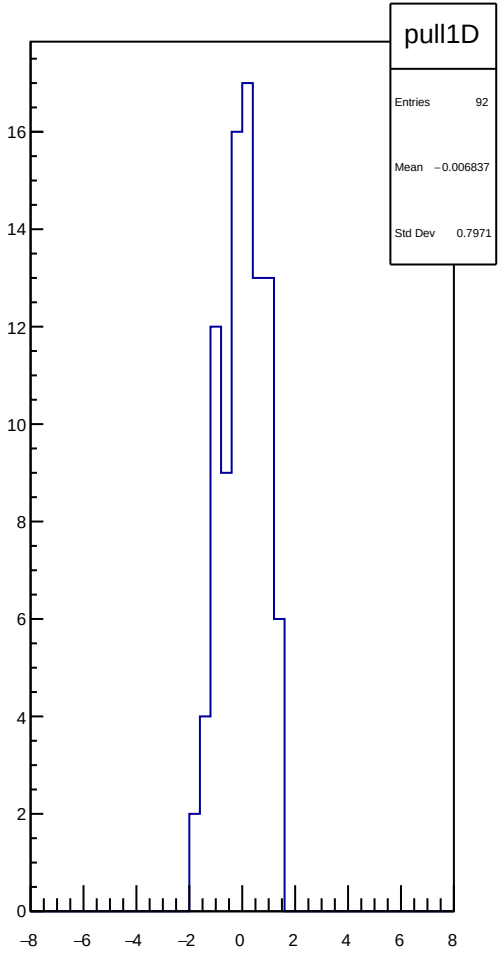

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.81 / 91
p0 8.42 ± 2.725
pull
Entries 92
Mean −312.2
Std Dev 0

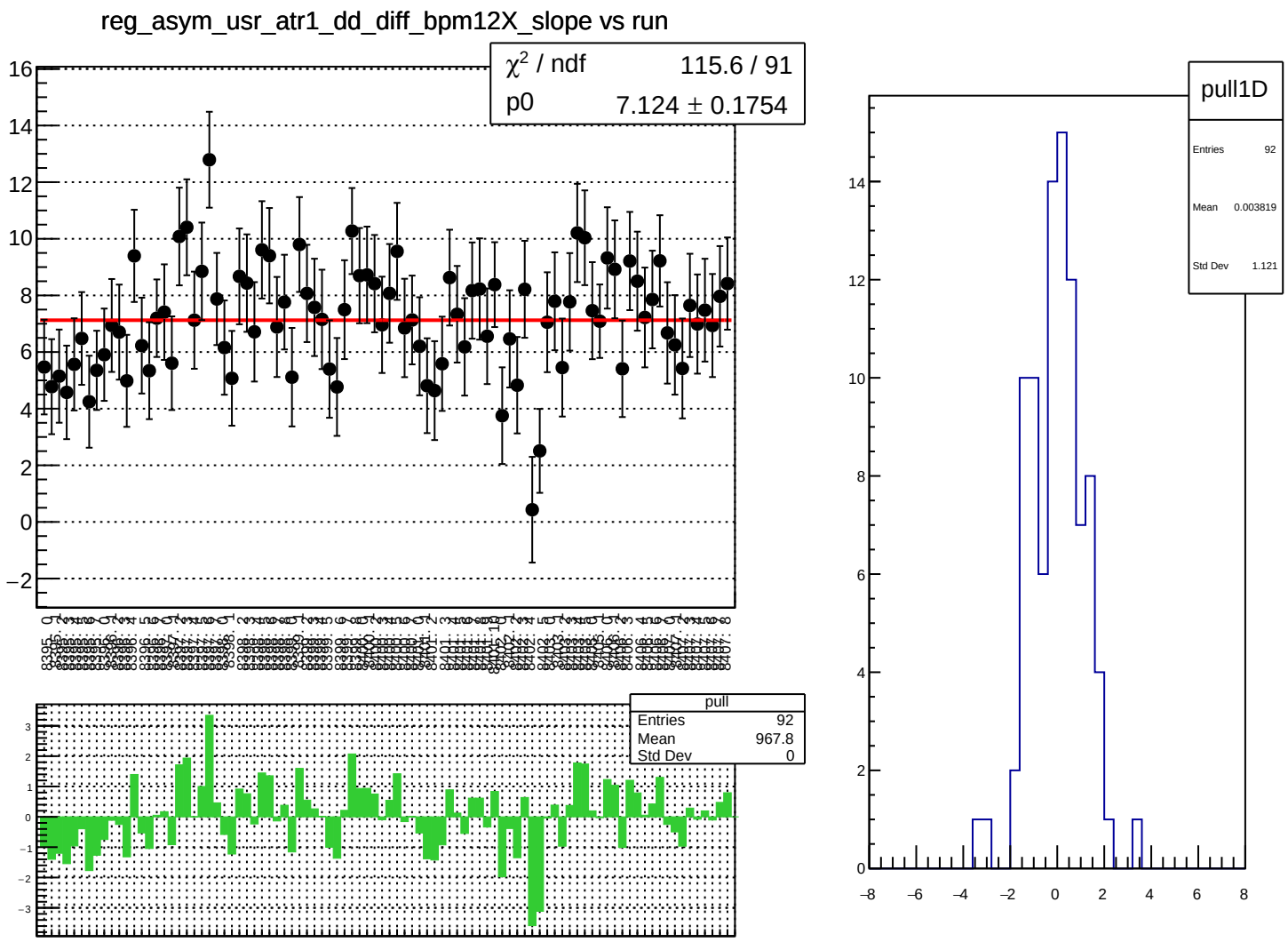

pull1D
Entries 92
Mean 0.006926
Std Dev 0.7995

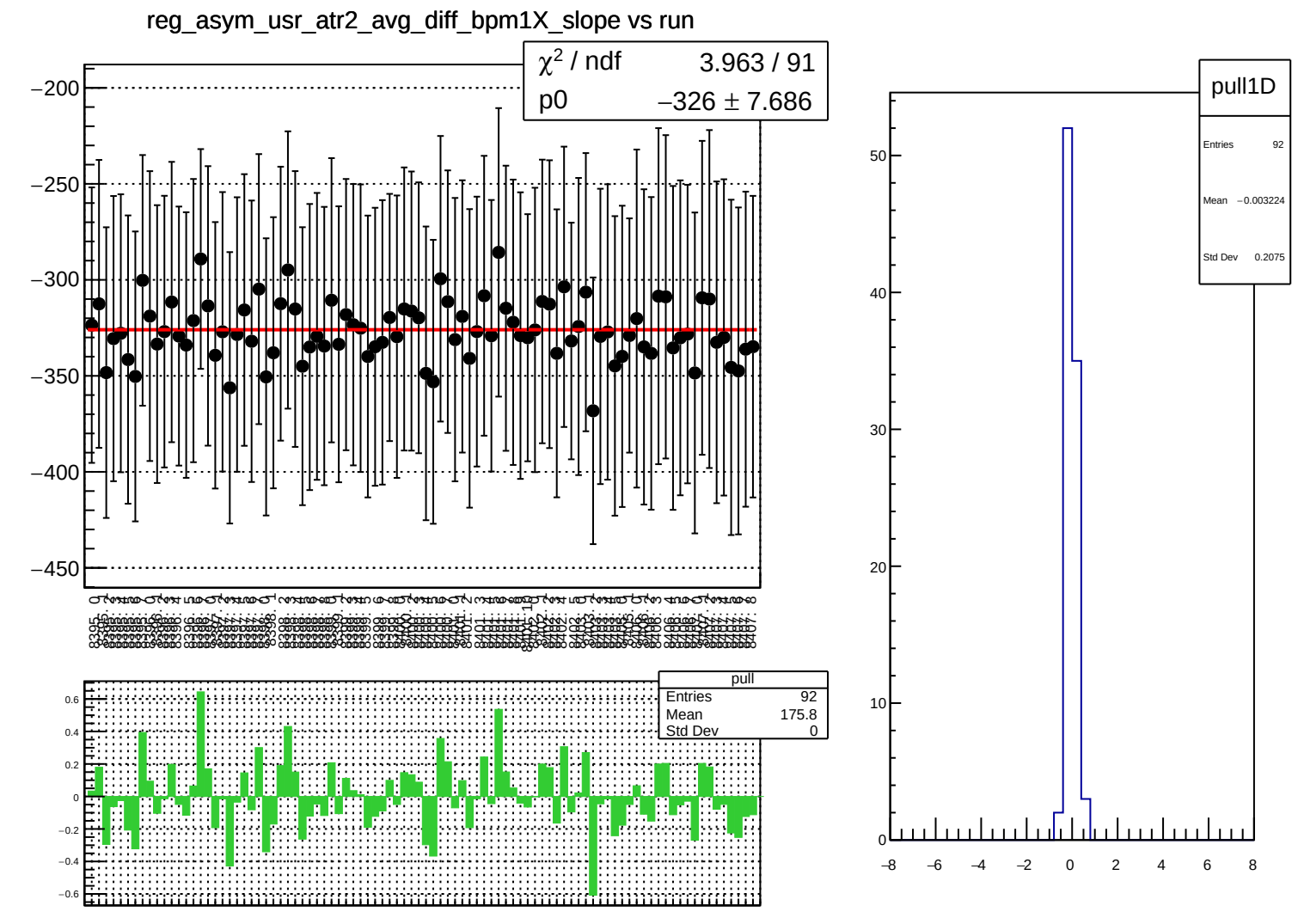

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.5 / 91
p0 43.85 ± 1.673
120
100
80
60
40
20
0
pull
Entries 92
Mean −1590
Std Dev 0
3
2
1
0
−1
−2

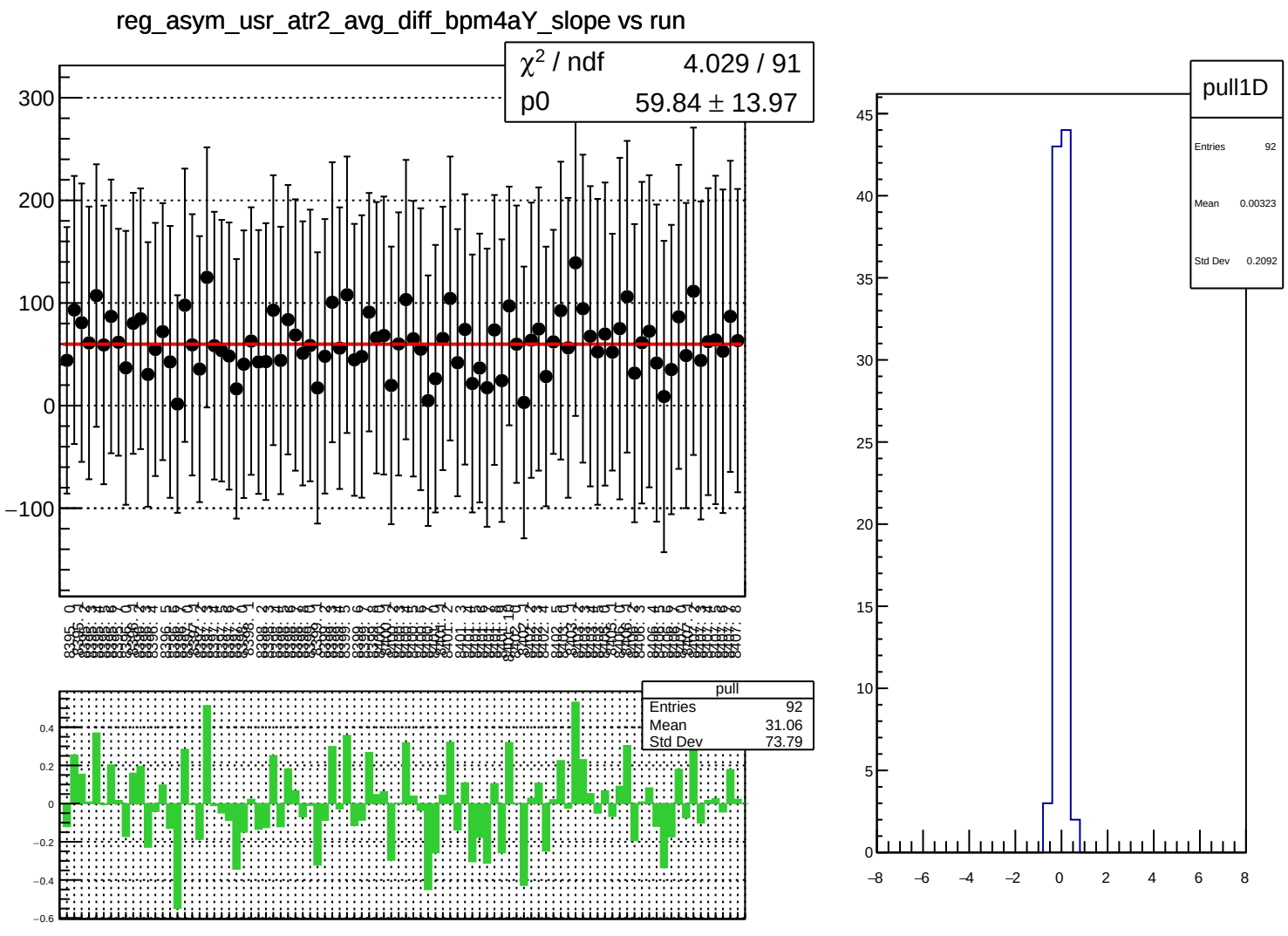

pull1D
Entries 92
Mean 0.001384
Std Dev 0.8502
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

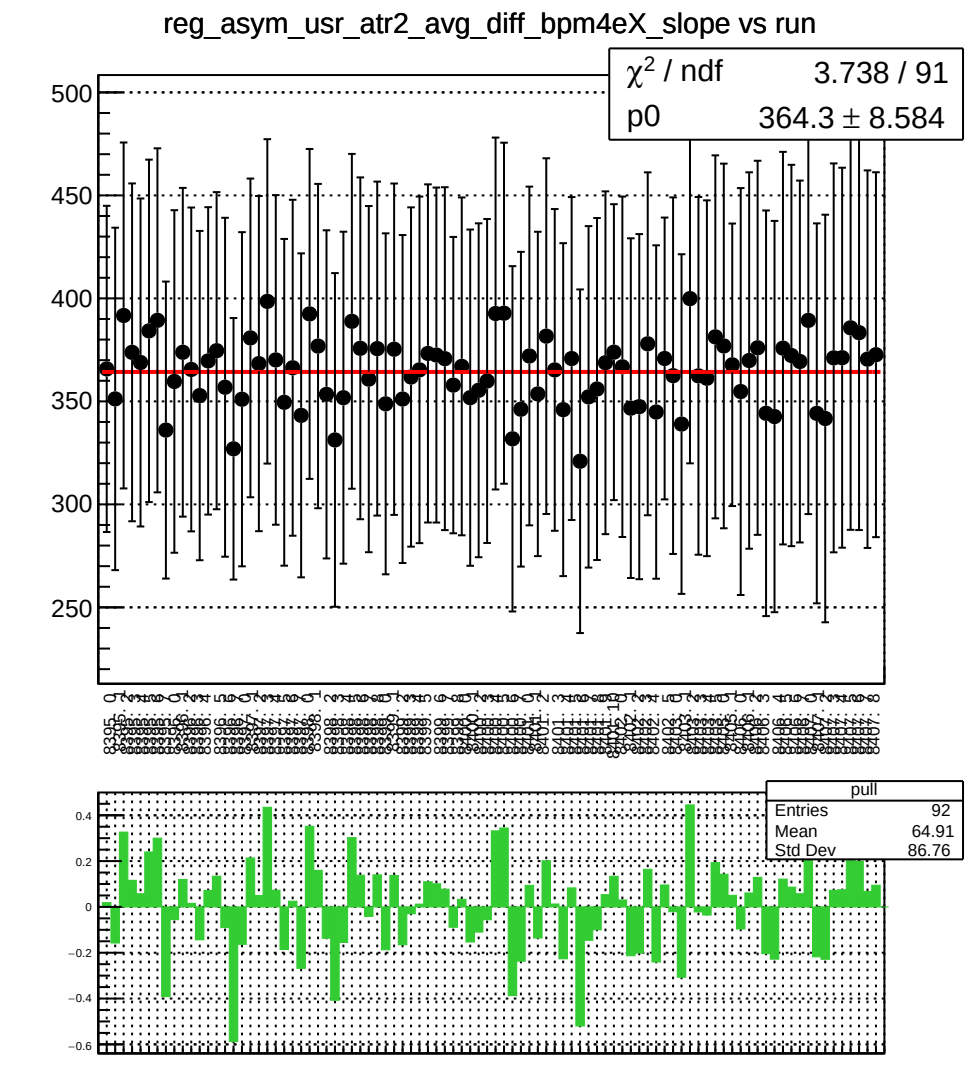

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.45 / 91
p0 −5.051 ± 2.848
pull
Entries 92
Mean −217.8
Std Dev 0

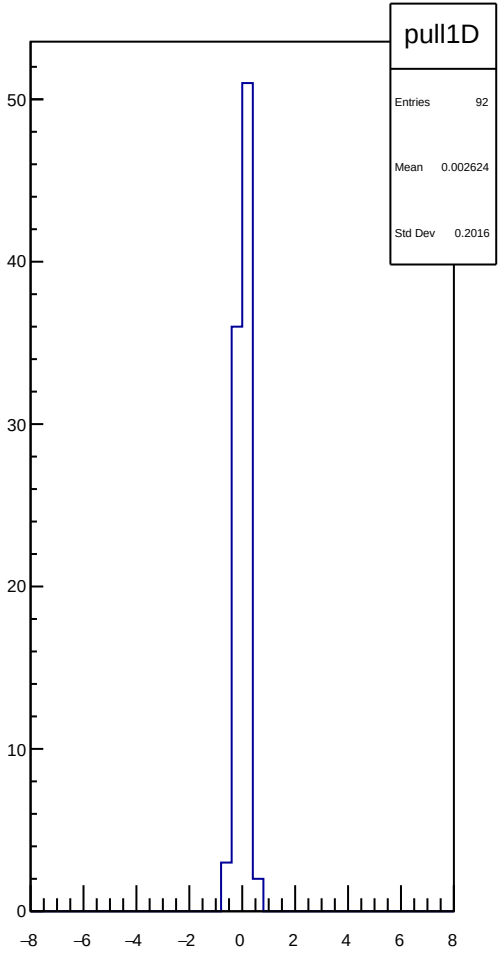

pull1D
Entries 92
Mean −0.006837
Std Dev 0.7971

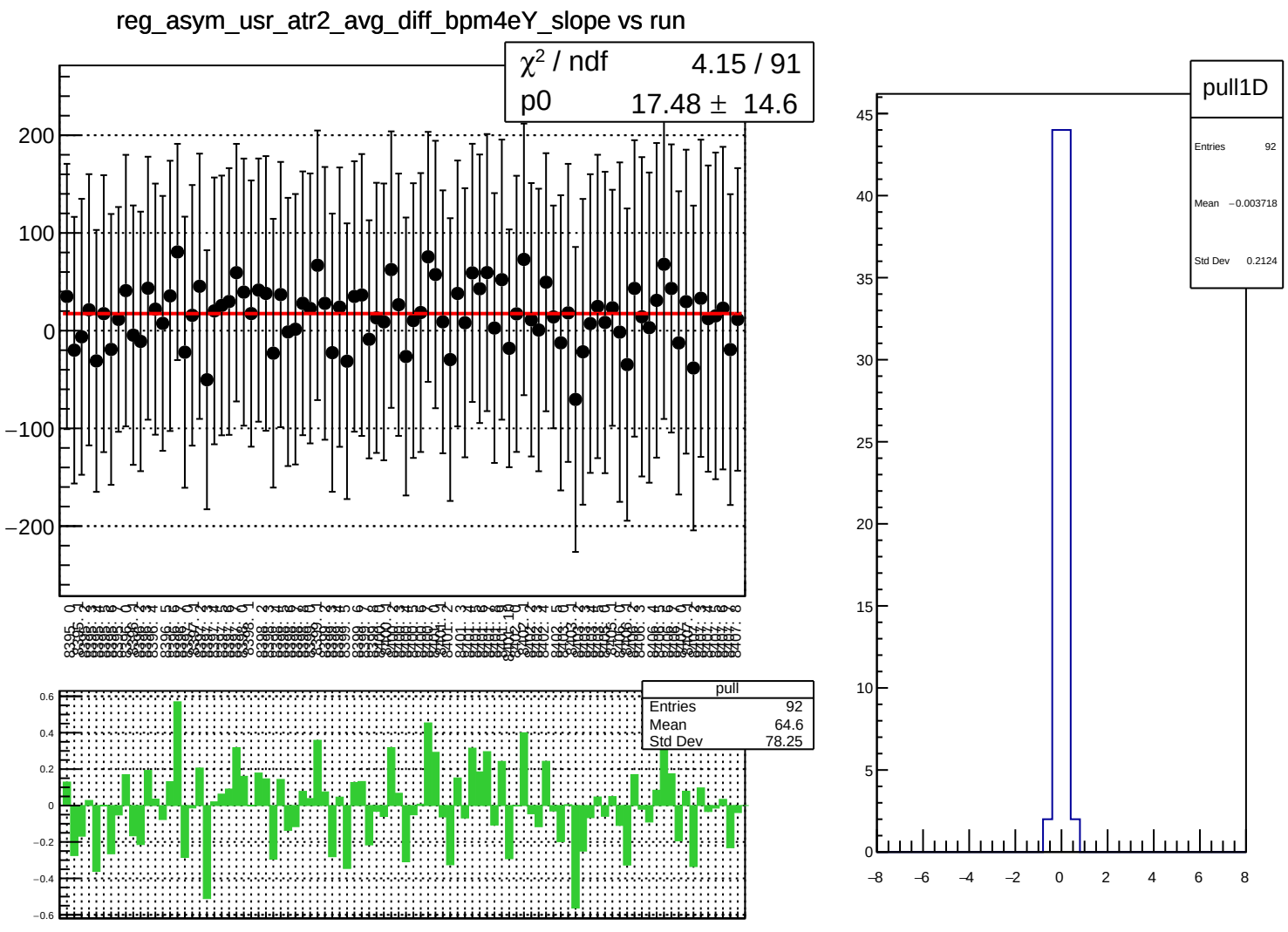

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 115.6 / 91
p0 7.124 ± 0.1754
pull
Entries 92
Mean 967.8
Std Dev 0
pull1D
Entries 92
Mean 0.003819
Std Dev 1.121

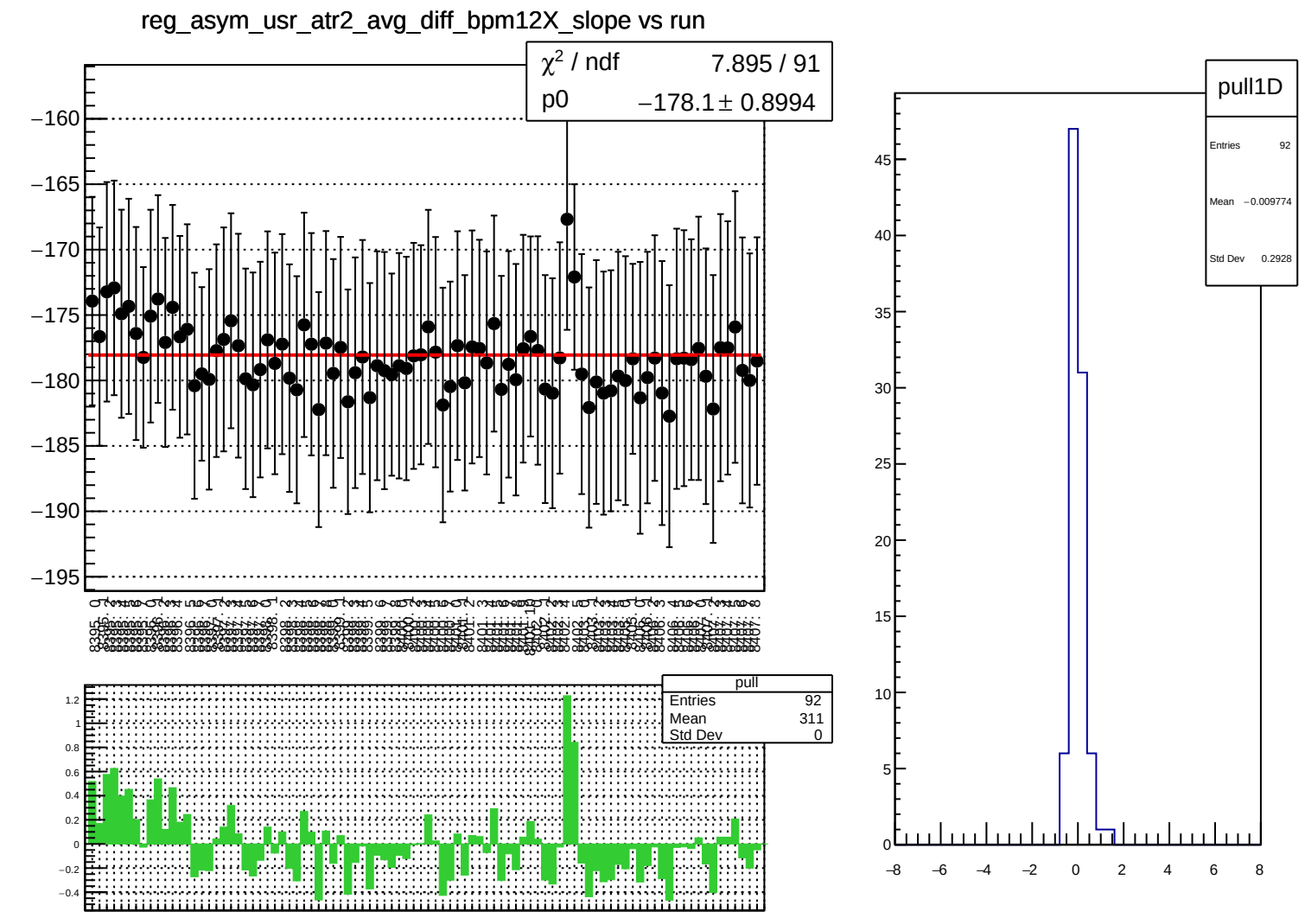

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.963 / 91
p0 −326 ± 7.686
−200
−250
−300
−350
−400
−450
pull
Entries 92
Mean 175.8
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean −0.003224
Std Dev 0.2075
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

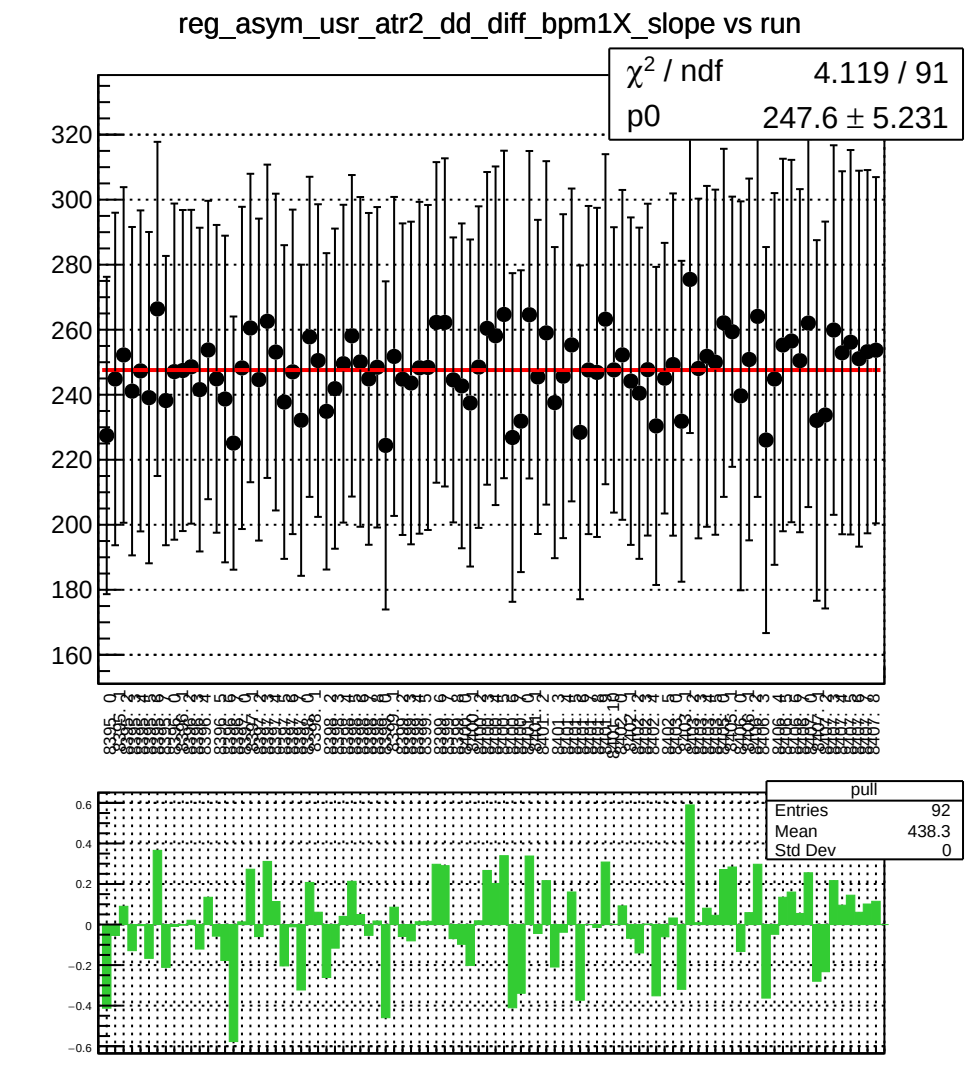

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.029 / 91
p0 59.84 ± 13.97
300
200
100
0
−100
pull
Entries 92
Mean 31.06
Std Dev 73.79
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.00323
Std Dev 0.2092
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

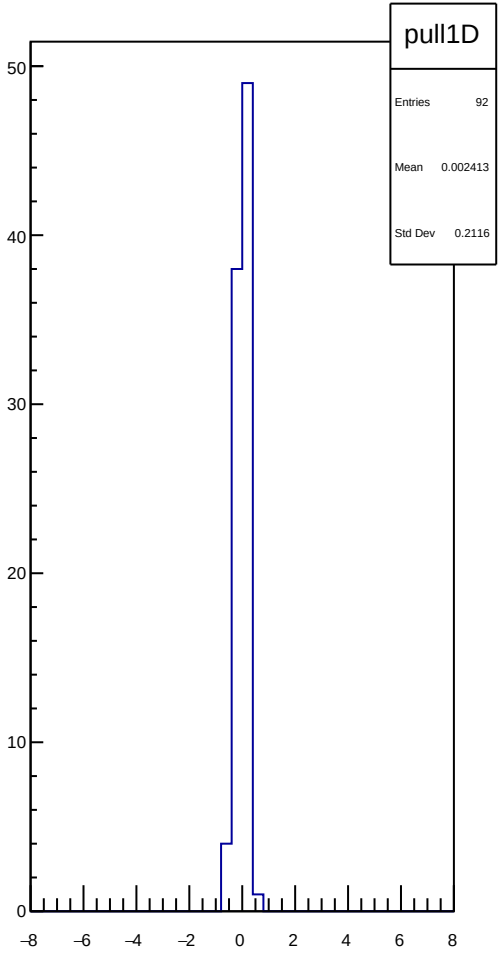

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.738 / 91
p0 364.3 ± 8.584
500
450
400
350
300
250
pull
Entries 92
Mean 64.91
Std Dev 86.76
0.4
0.2
0
−0.2
−0.4
−0.6

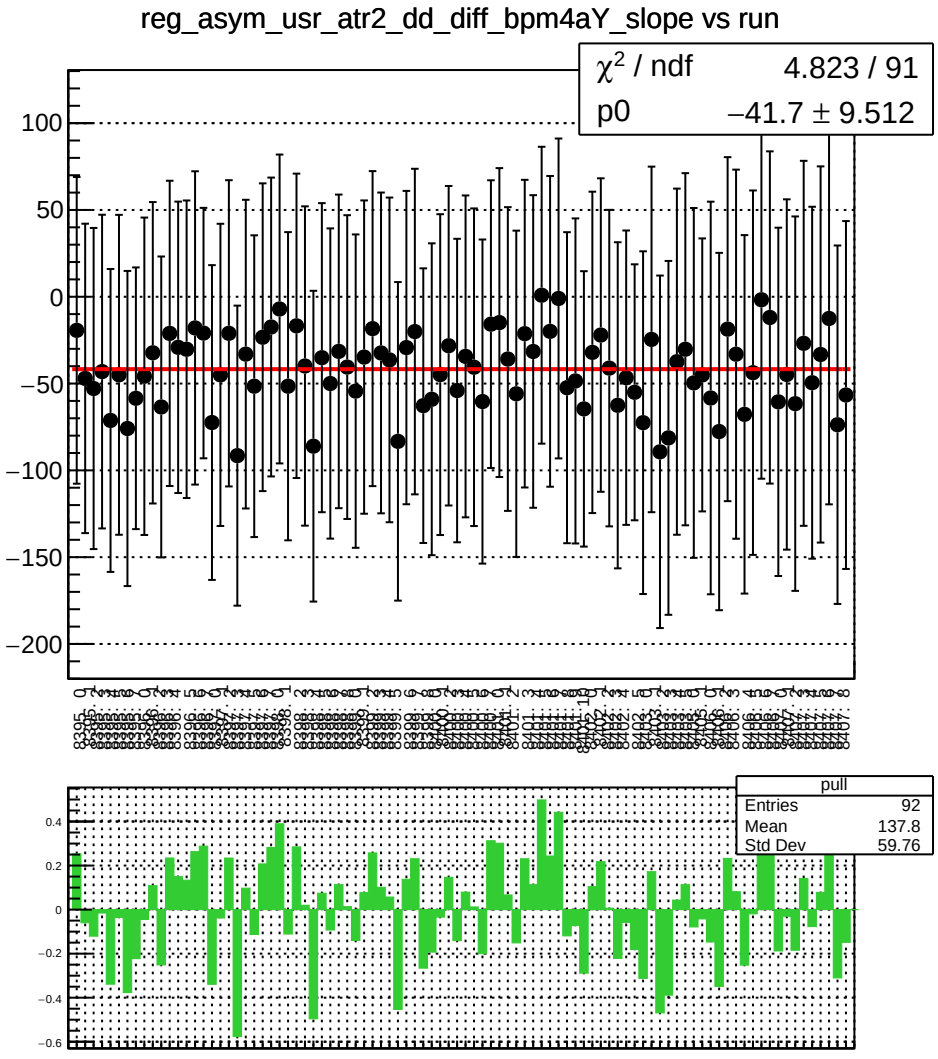

pull1D
Entries 92
Mean 0.002624
Std Dev 0.2016
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

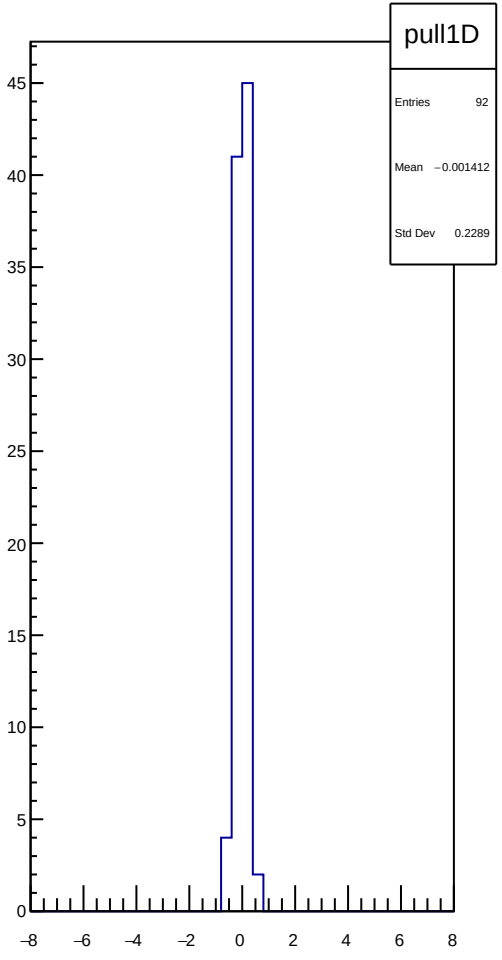

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.15 / 91
p0 17.48 ± 14.6
200
100
0
−100
−200
pull
Entries 92
Mean 64.6
Std Dev 78.25
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean −0.003718
Std Dev 0.2124
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

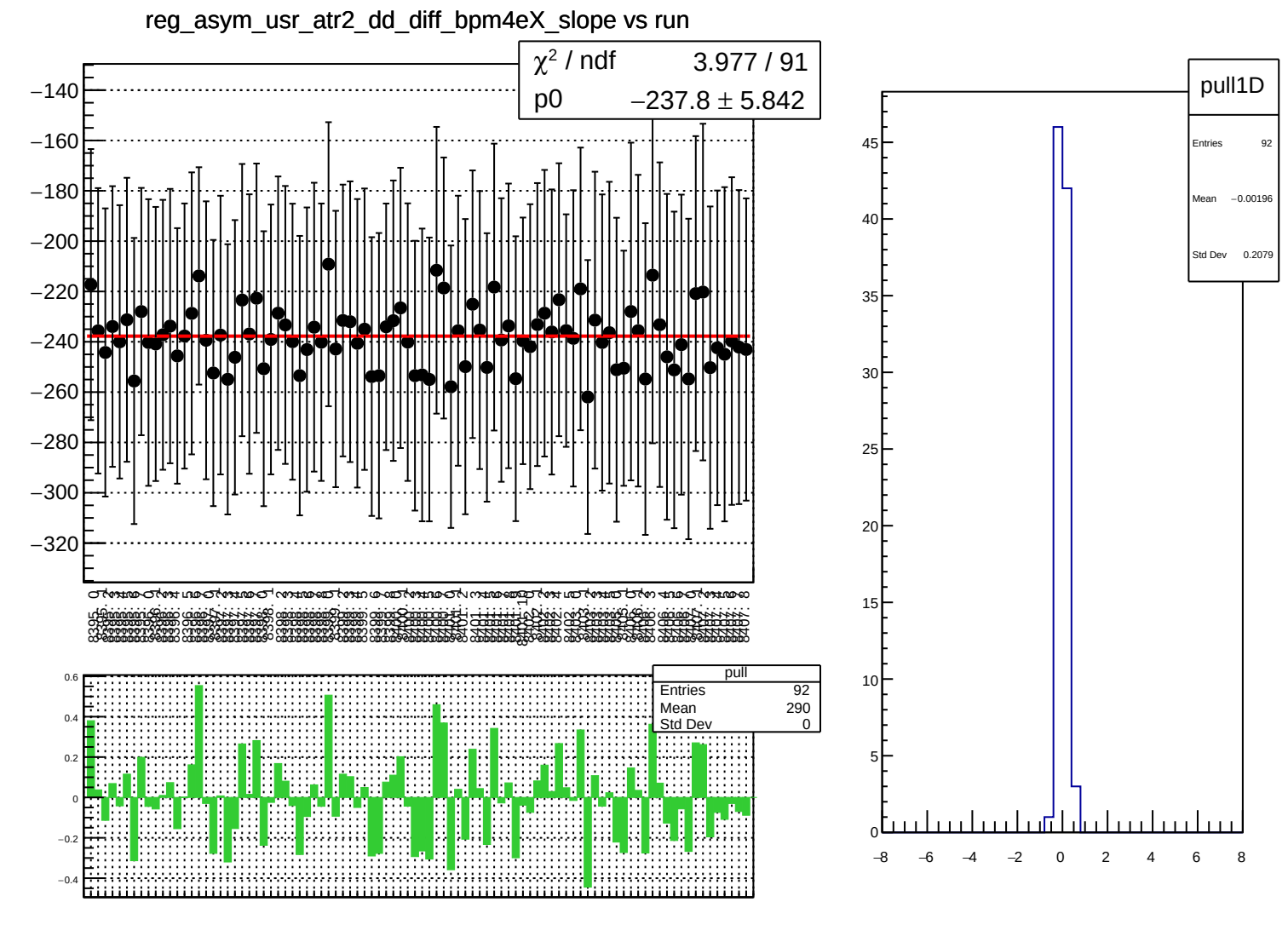

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 7.895 / 91
p0 −178.1 ± 0.8994
pull
Entries 92
Mean 311
Std Dev 0
pull1D
Entries 92
Mean −0.009774
Std Dev 0.2928

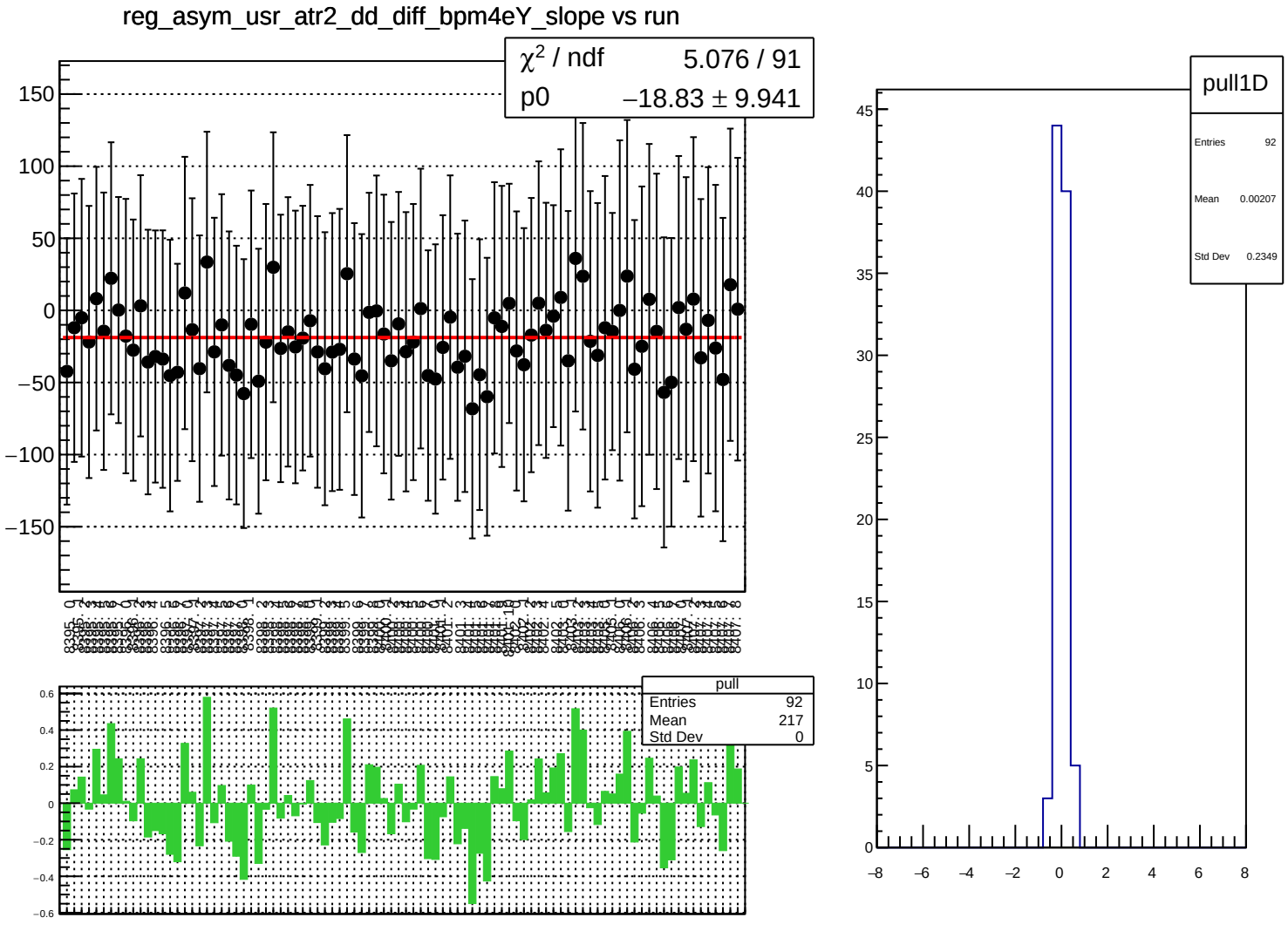

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 4.119 / 91
p0 247.6 ± 5.231
320
300
280
260
240
220
200
180
160
pull
Entries 92
Mean 438.3
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

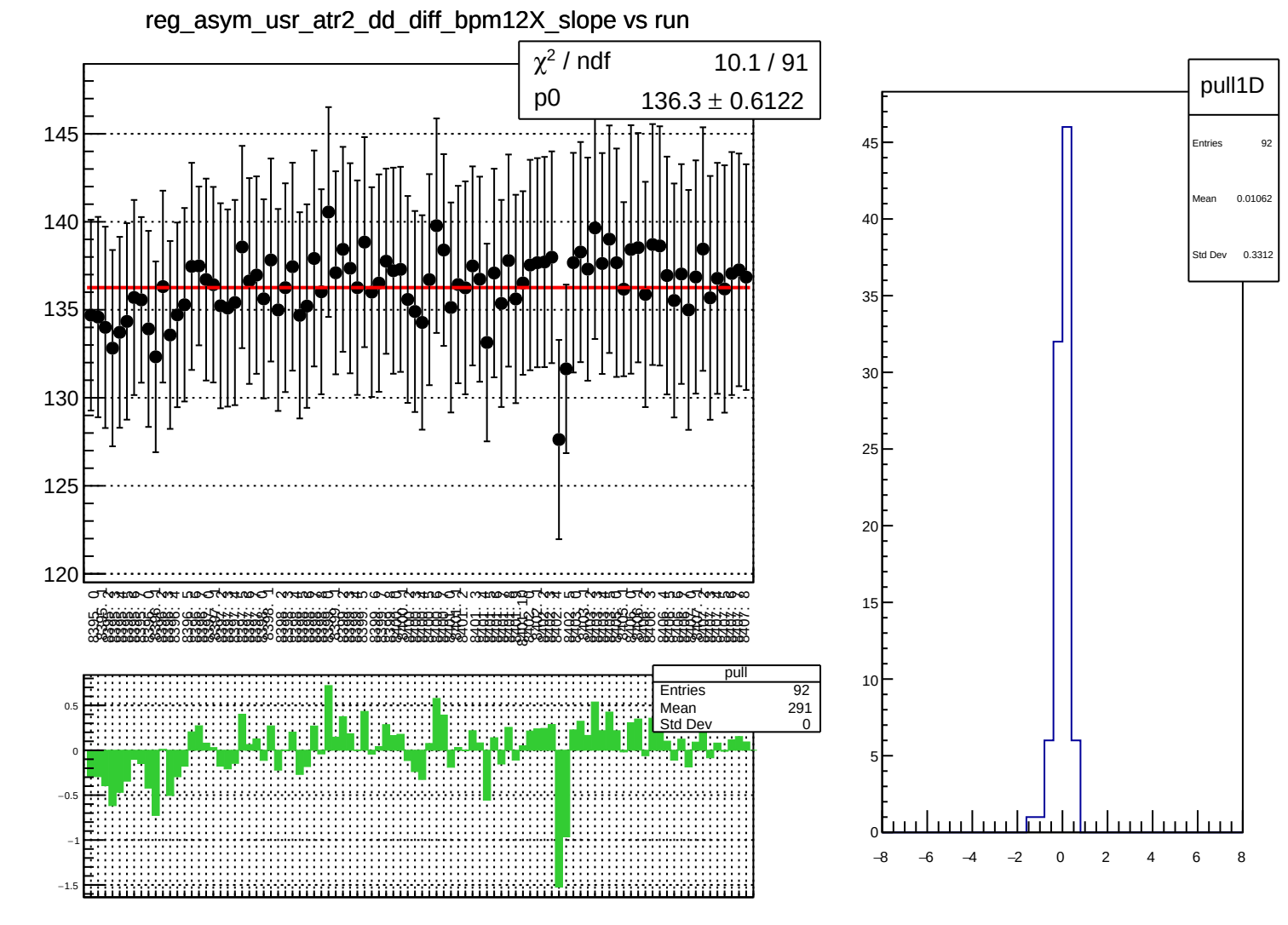

pull1D
Entries 92
Mean 0.002413
Std Dev 0.2116
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

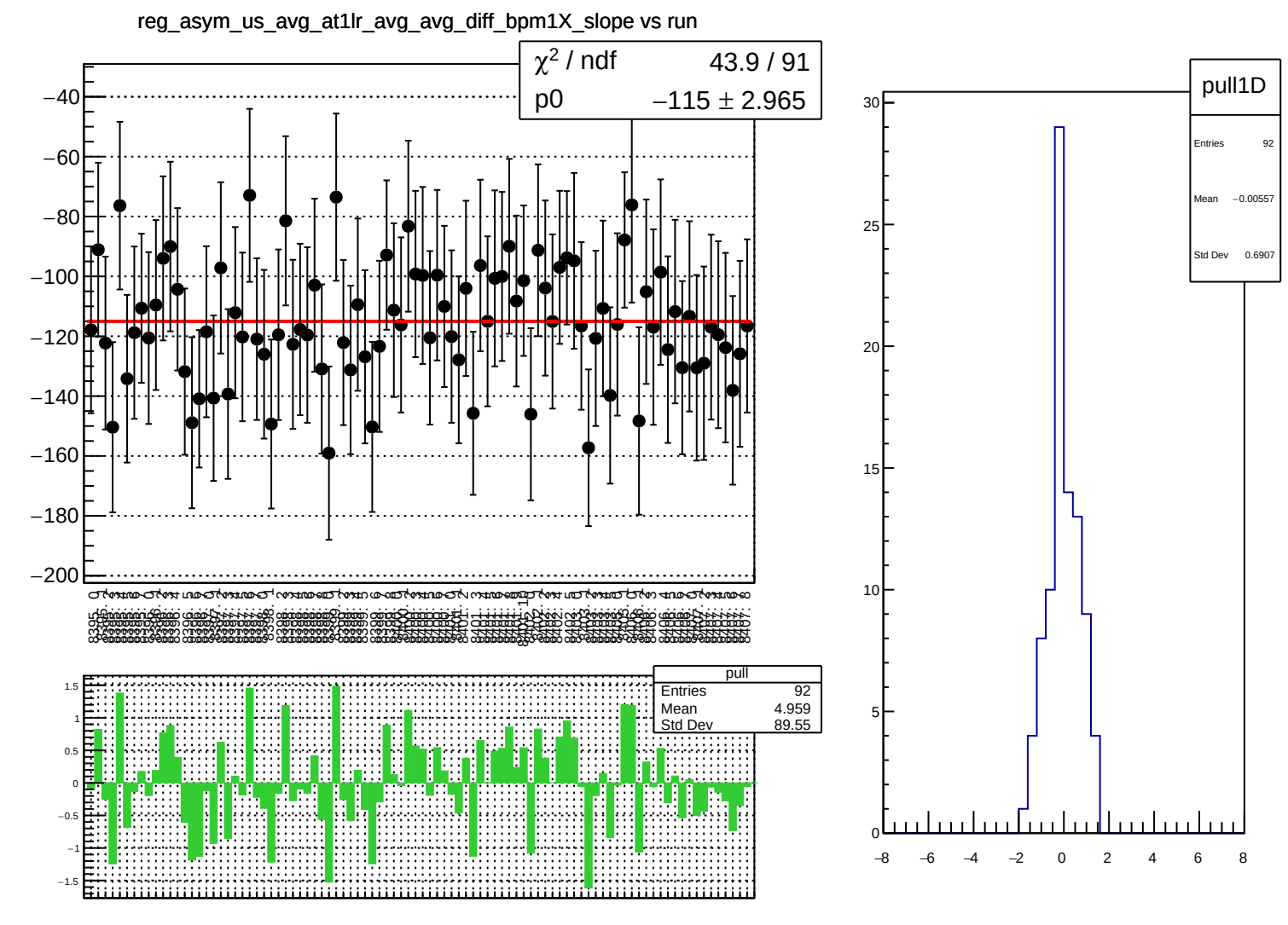

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.823 / 91
p0 −41.7 ± 9.512
pull
Entries 92
Mean 137.8
Std Dev 59.76

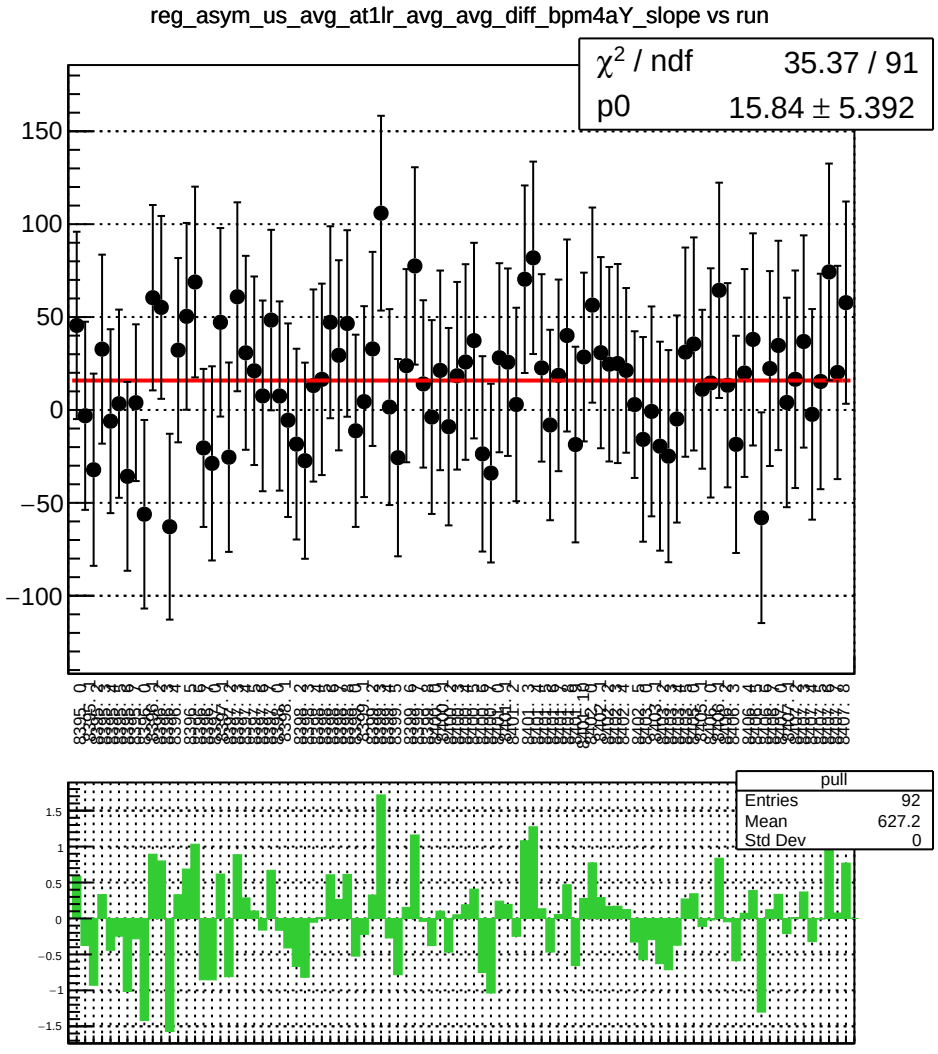

pull1D
Entries 92
Mean −0.001412
Std Dev 0.2289

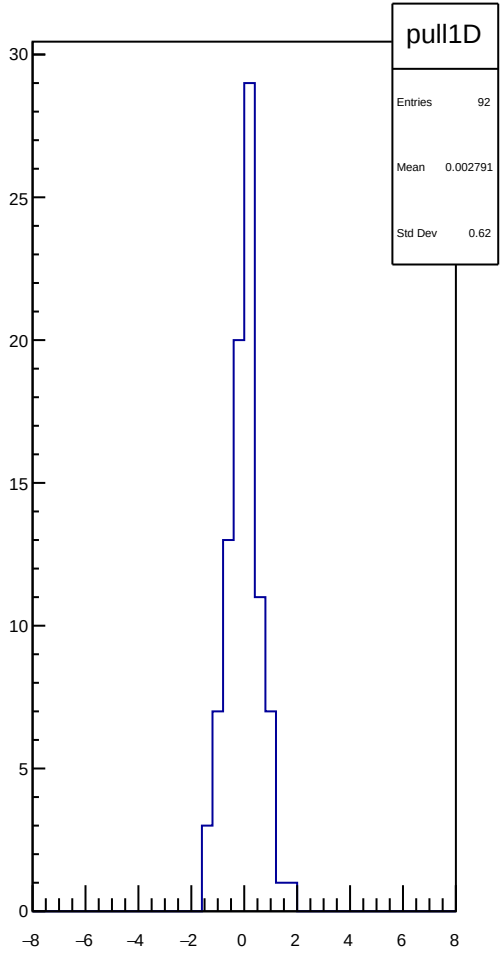

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.977 / 91
p0 −237.8 ± 5.842
pull
Entries 92
Mean 290
Std Dev 0
pull1D
Entries 92
Mean −0.00196
Std Dev 0.2079

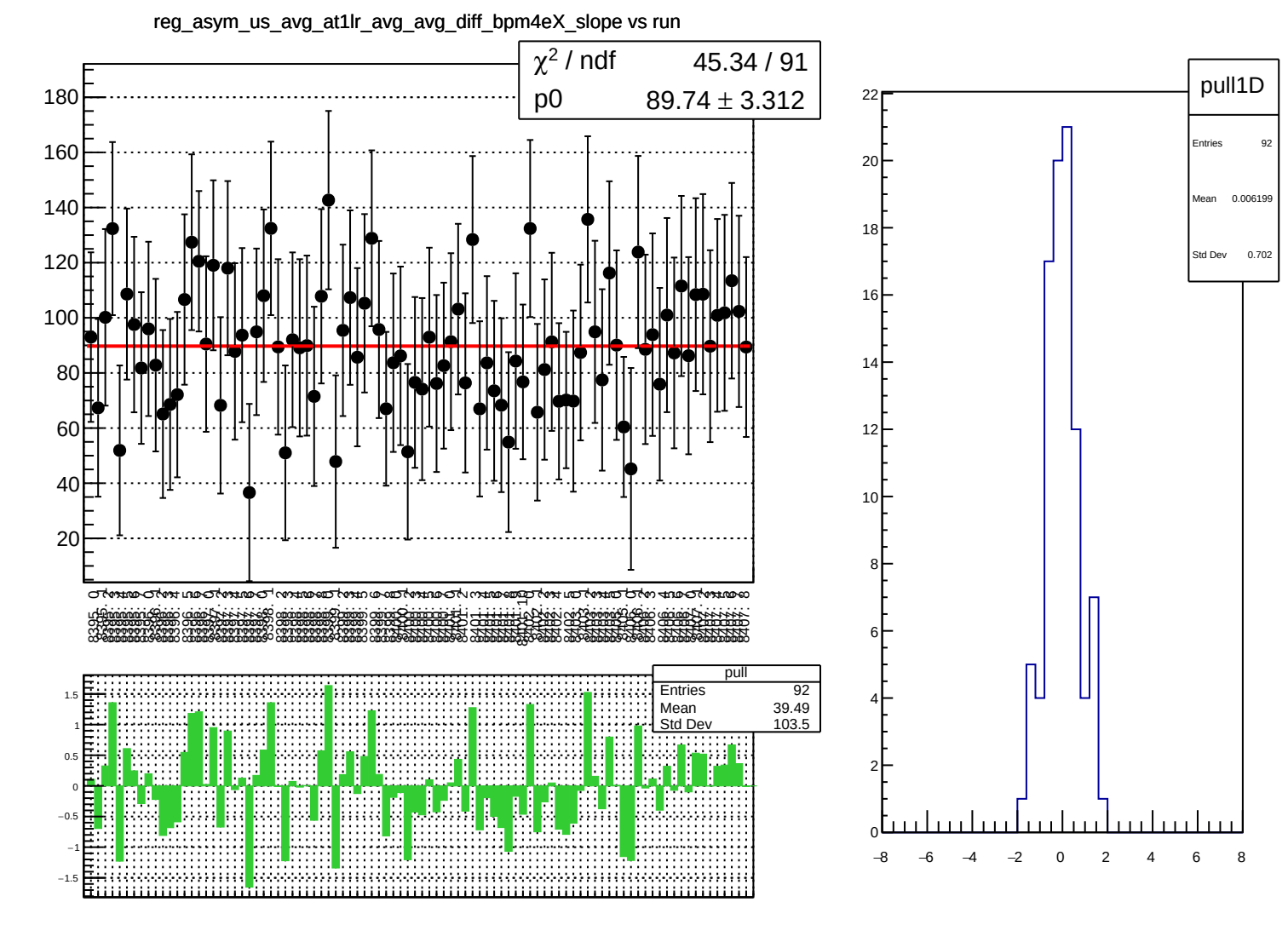

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.076 / 91
p0 −18.83 ± 9.941
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 217
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean 0.00207
Std Dev 0.2349
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

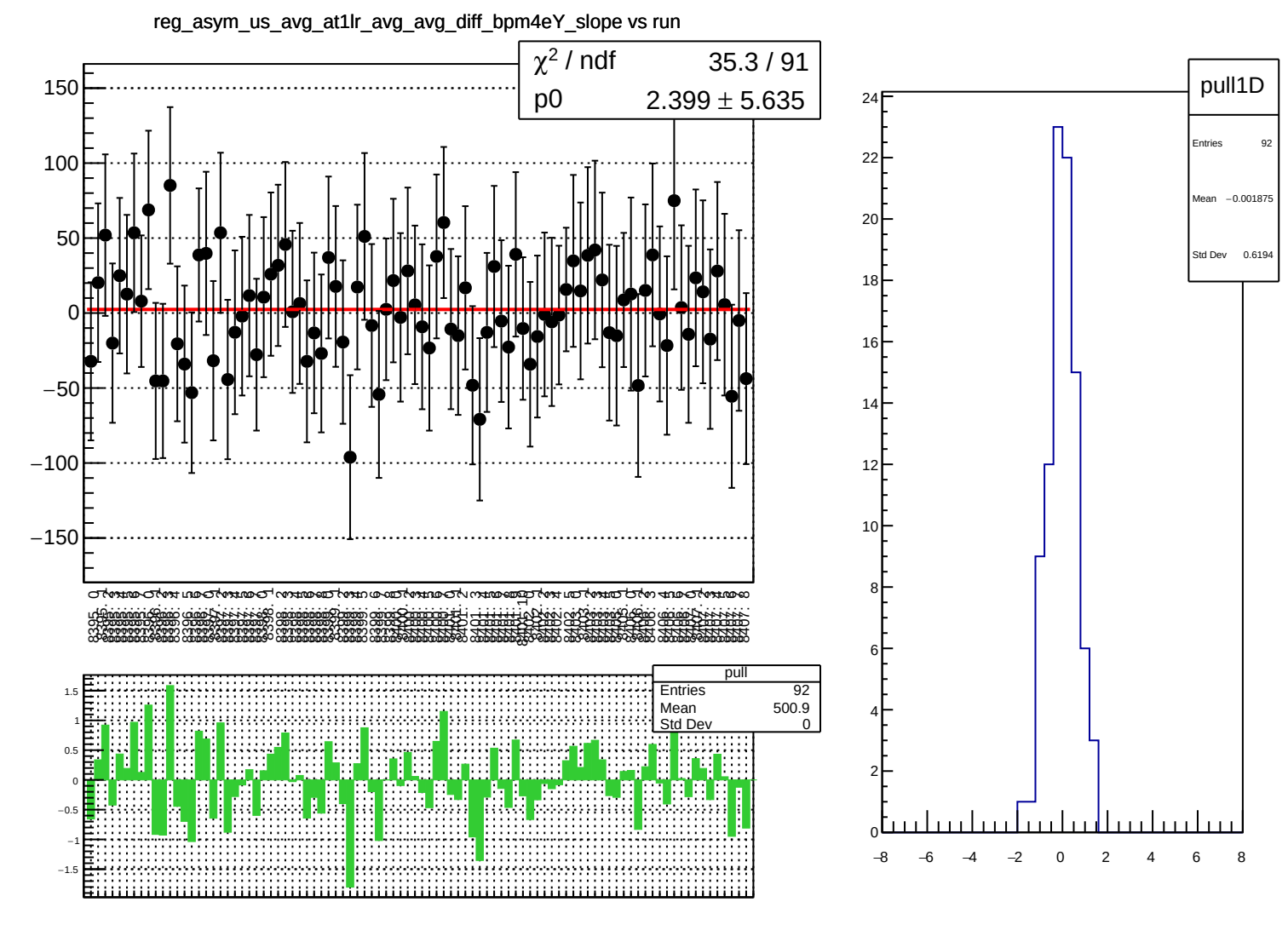

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.1 / 91
p0 136.3 ± 0.6122
145
140
135
130
125
120
pull
Entries 92
Mean 291
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean 0.01062
Std Dev 0.3312
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

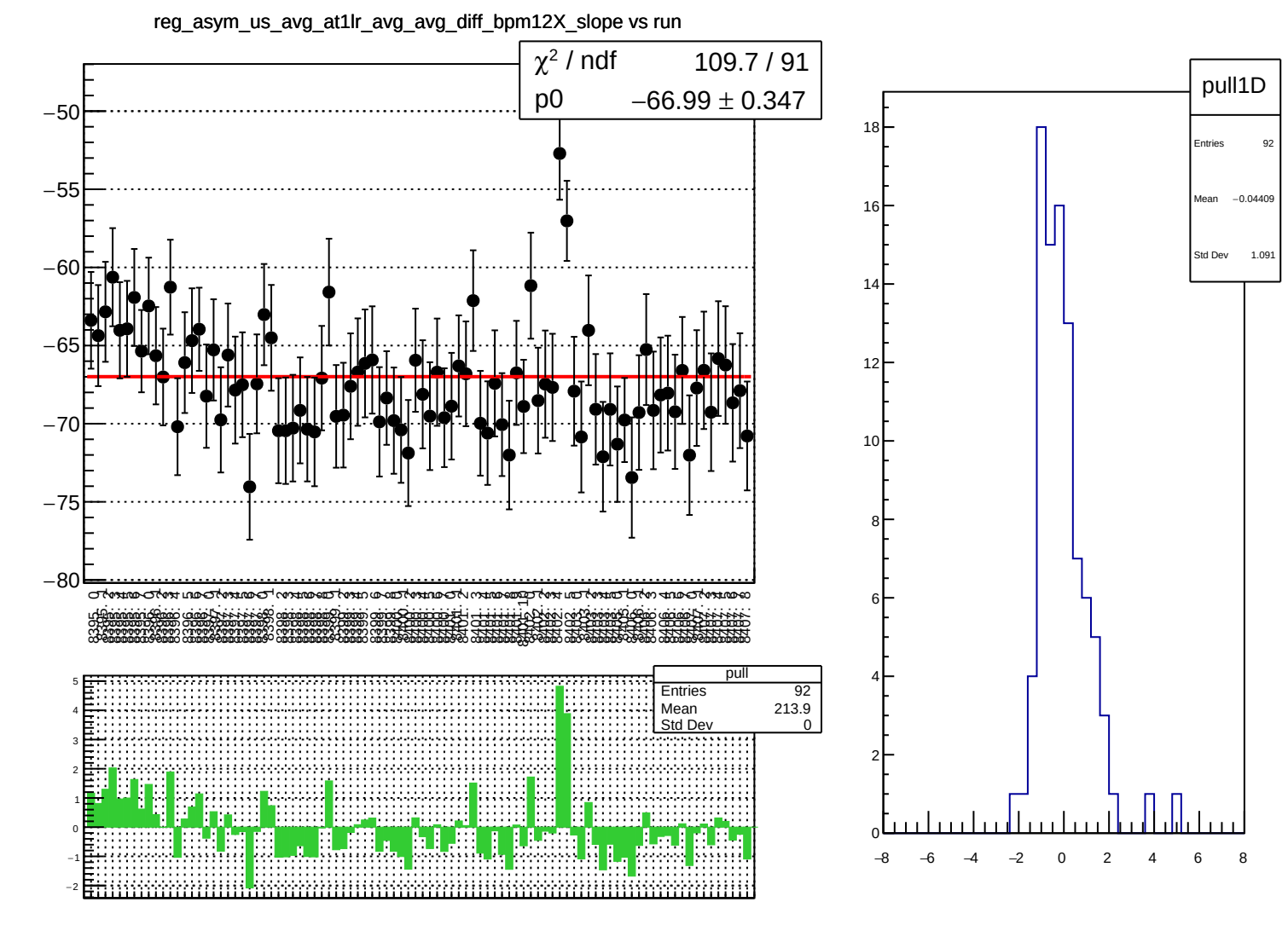

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 43.9 / 91
p0 −115 ± 2.965
pull
Entries 92
Mean 4.959
Std Dev 89.55
pull1D
Entries 92
Mean −0.00557
Std Dev 0.6907

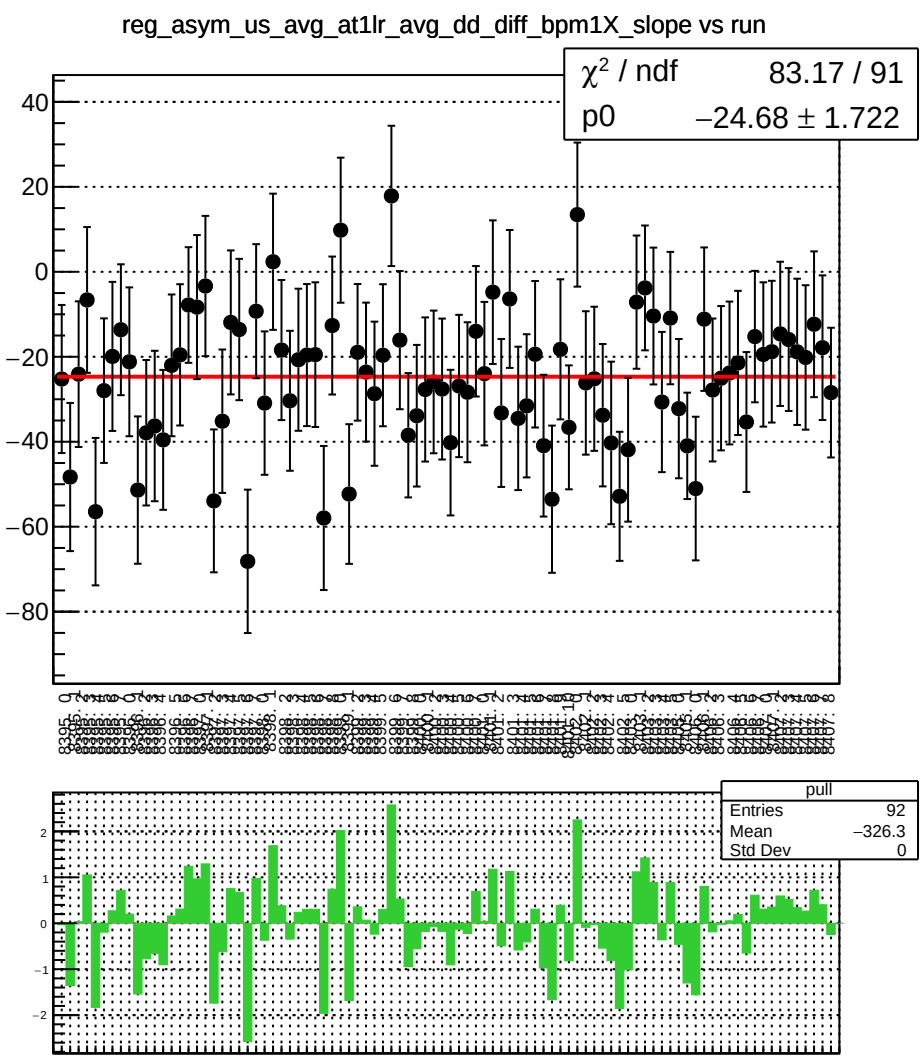

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.37 / 91
p0 15.84 ± 5.392
150
100
50
0
−50
−100
pull
Entries 92
Mean 627.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

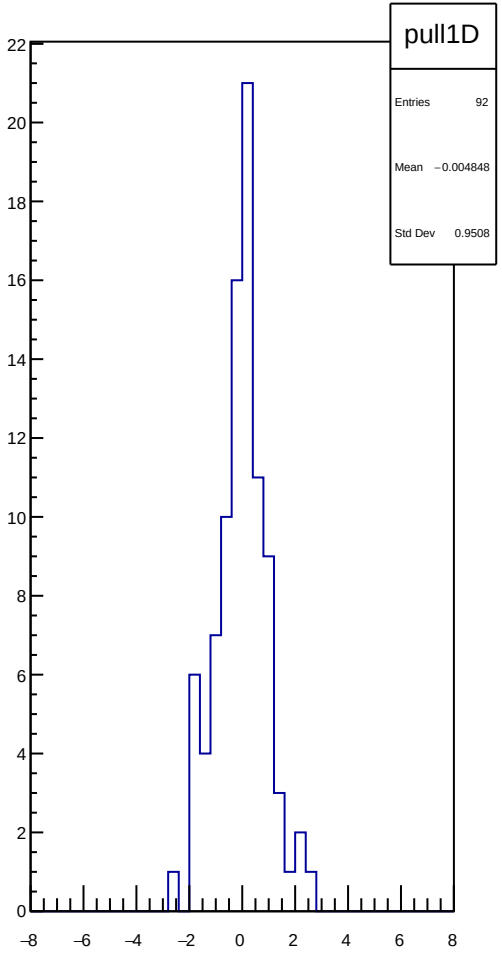

pull1D
Entries 92
Mean 0.002791
Std Dev 0.62
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

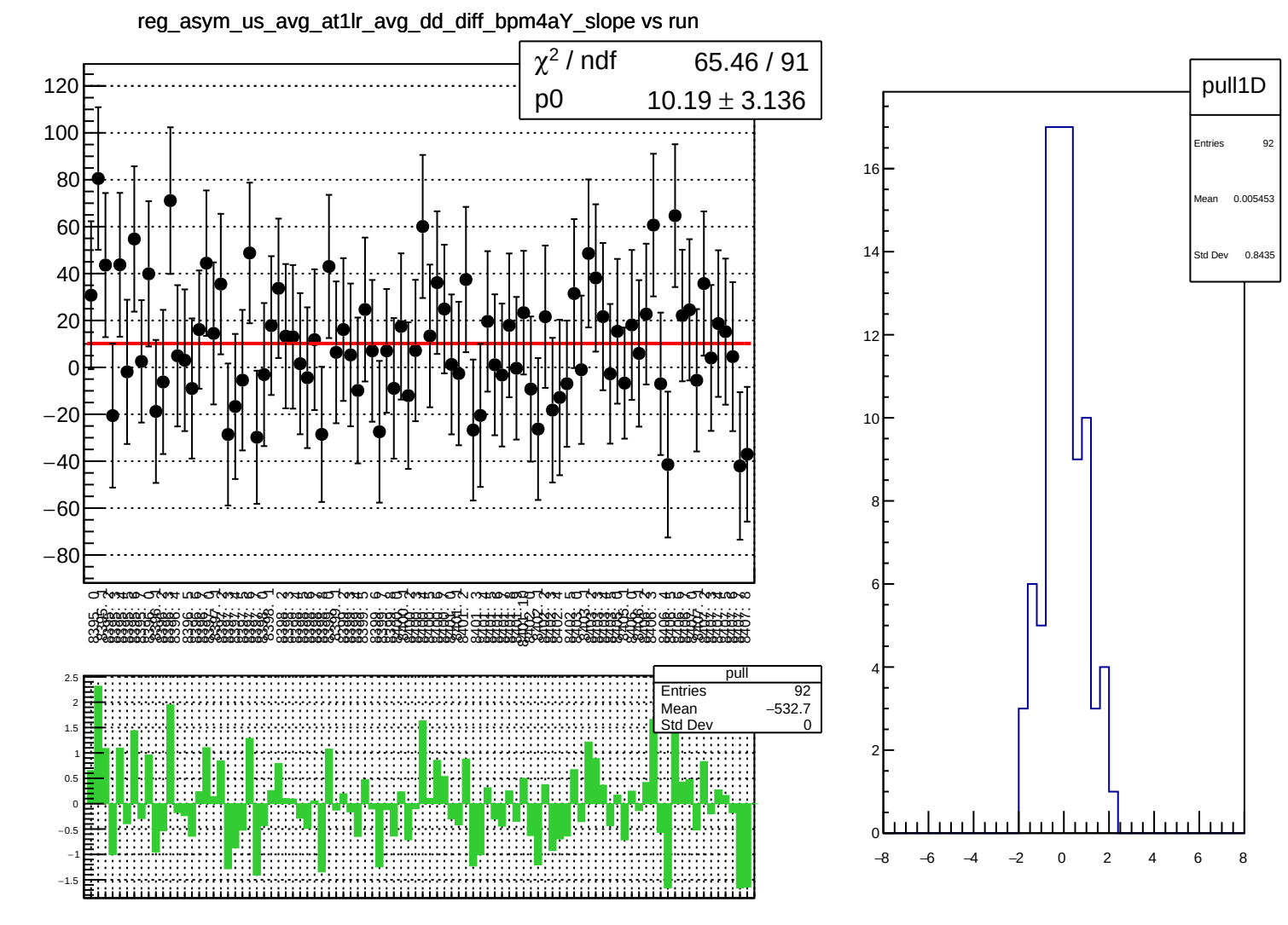

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.34 / 91
p0 89.74 ± 3.312
pull
Entries 92
Mean 39.49
Std Dev 103.5
pull1D
Entries 92
Mean 0.006199
Std Dev 0.702

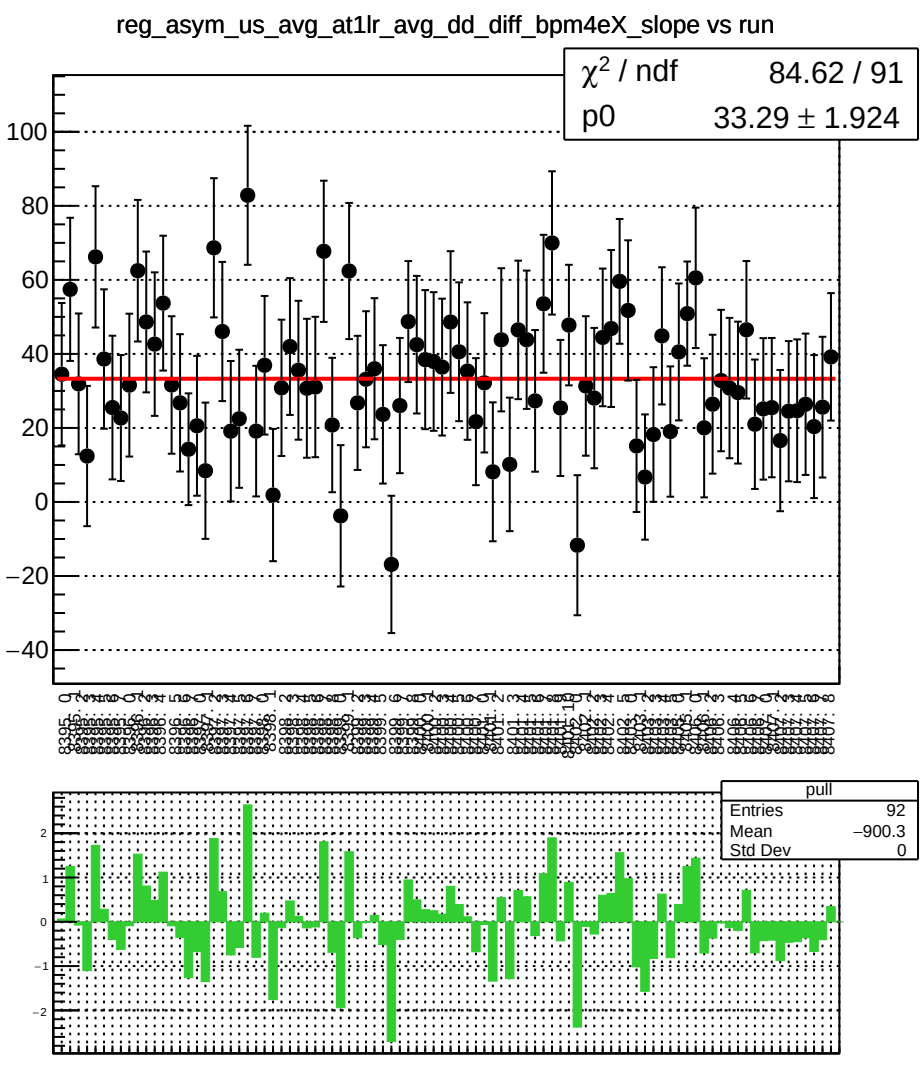

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.3 / 91
p0 2.399 ± 5.635
150
100
50
0
−50
−100
−150
pull
Entries 92
Mean 500.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.001875
Std Dev 0.6194
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

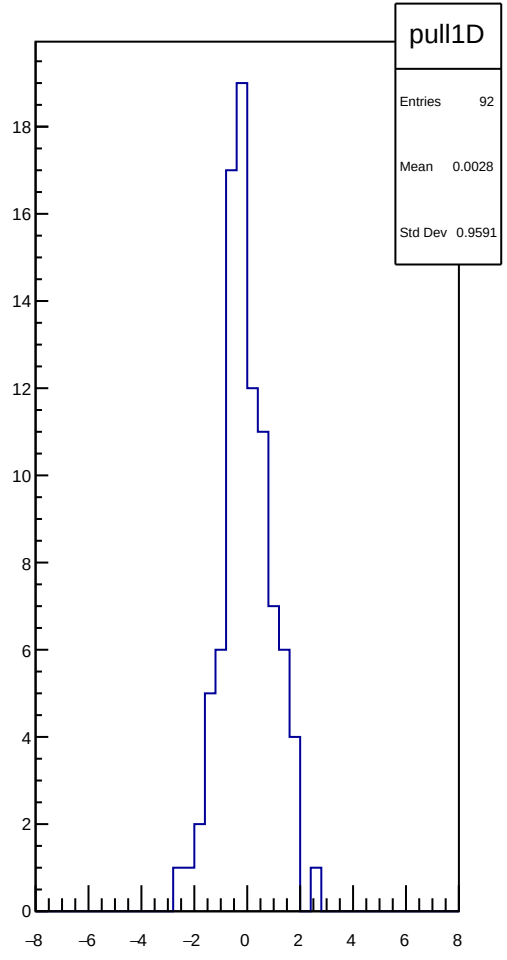

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 109.7 / 91
p0 −66.99 ± 0.347
pull
Entries 92
Mean 213.9
Std Dev 0
pull1D
Entries 92
Mean −0.04409
Std Dev 1.091

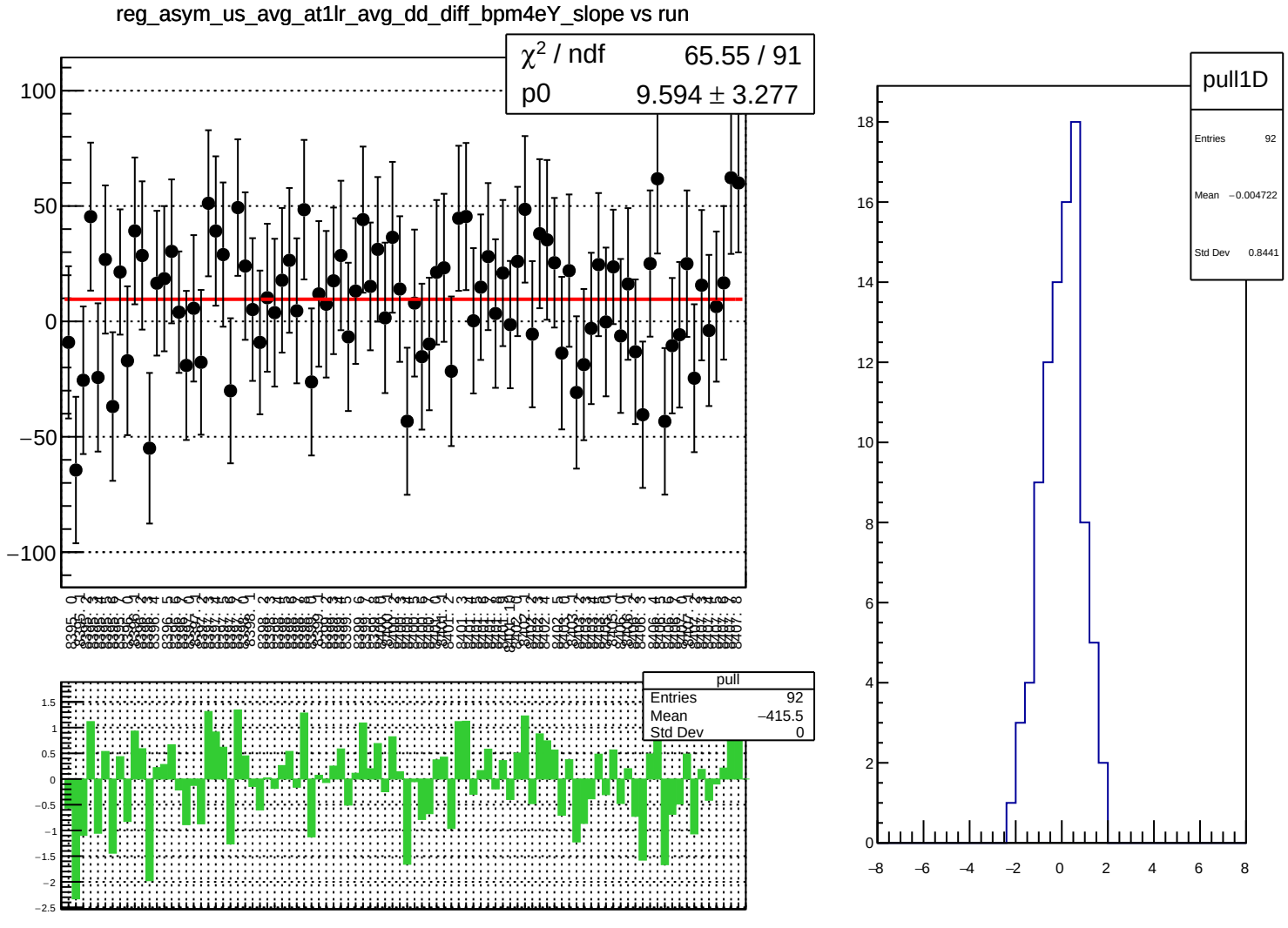

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 83.17 / 91
p0 −24.68 ± 1.722
pull
Entries 92
Mean −326.3
Std Dev 0

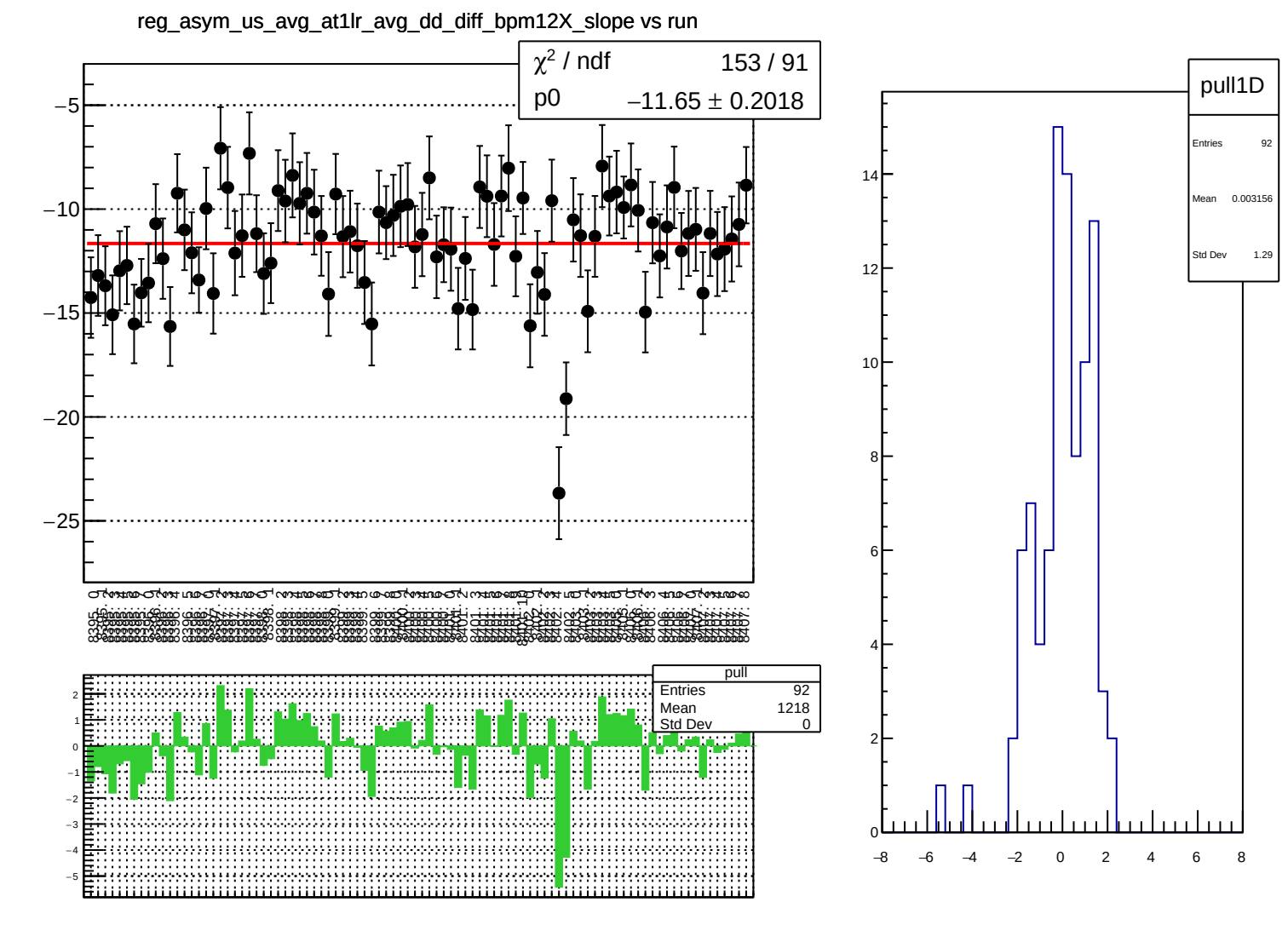

pull1D
Entries 92
Mean −0.004848
Std Dev 0.9508

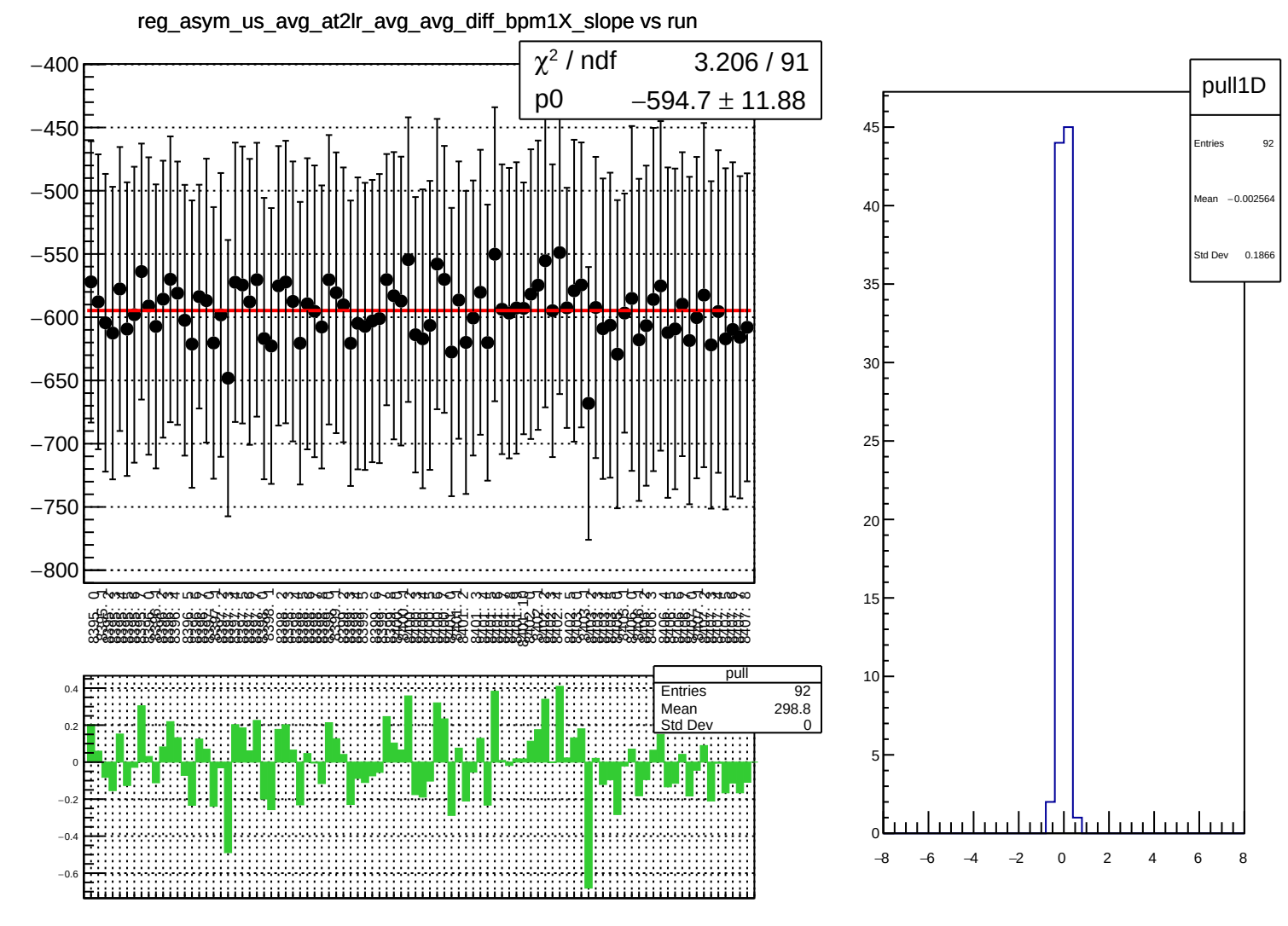

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.46 / 91
p0 10.19 ± 3.136
pull
Entries 92
Mean −532.7
Std Dev 0
pull1D
Entries 92
Mean 0.005453
Std Dev 0.8435

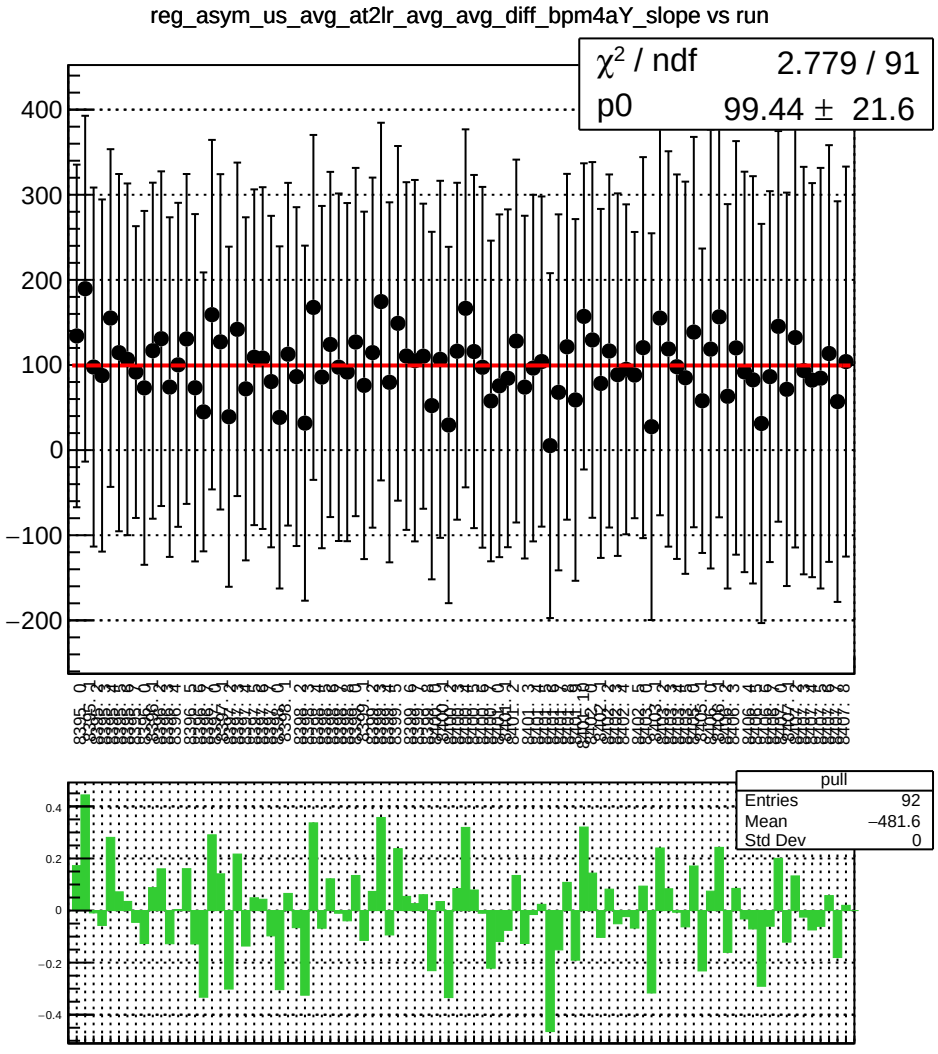

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.62 / 91
p0 33.29 ± 1.924
pull
Entries 92
Mean −900.3
Std Dev 0

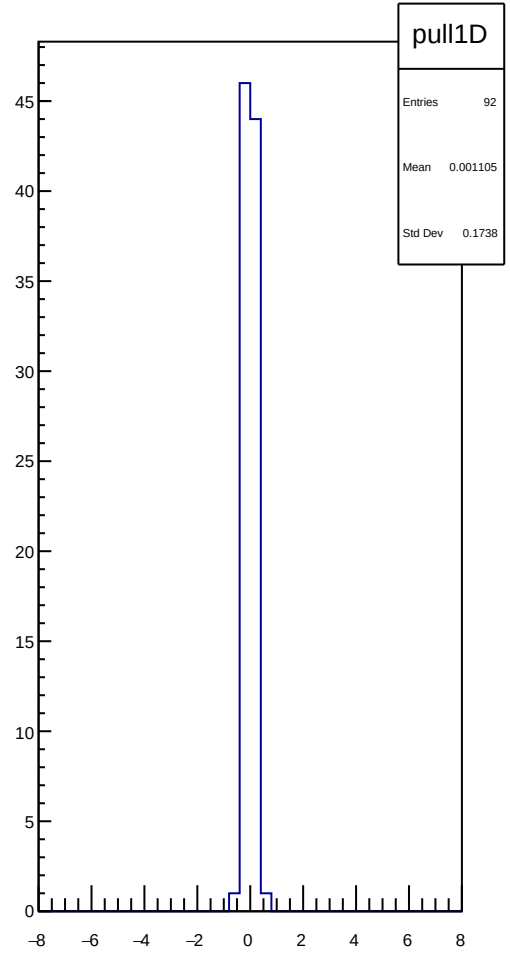

pull1D
Entries 92
Mean 0.0028
Std Dev 0.9591

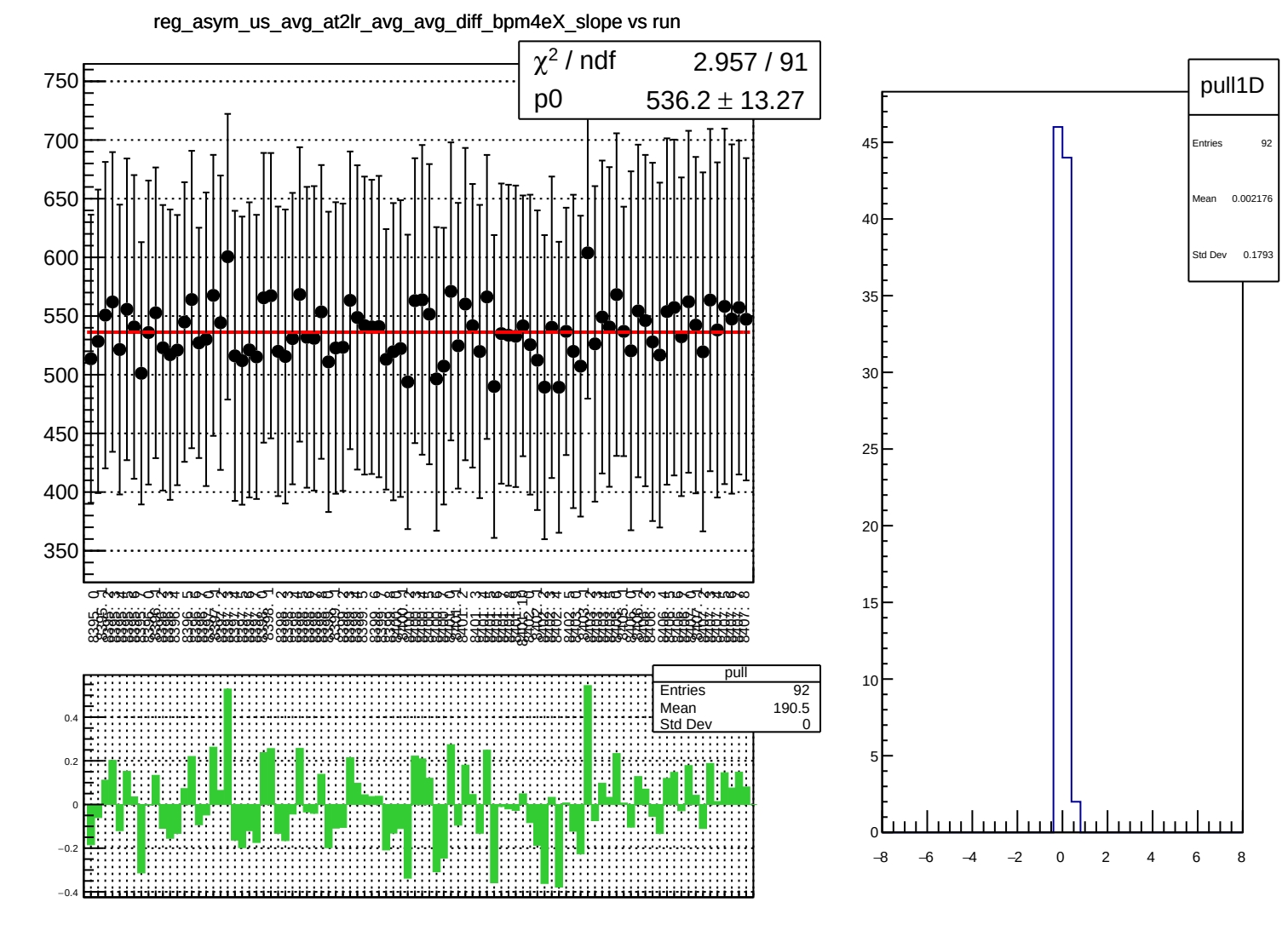

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.55 / 91
p0 9.594 ± 3.277
100
50
0
−50
−100
pull
Entries 92
Mean −415.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 92
Mean −0.004722
Std Dev 0.8441
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

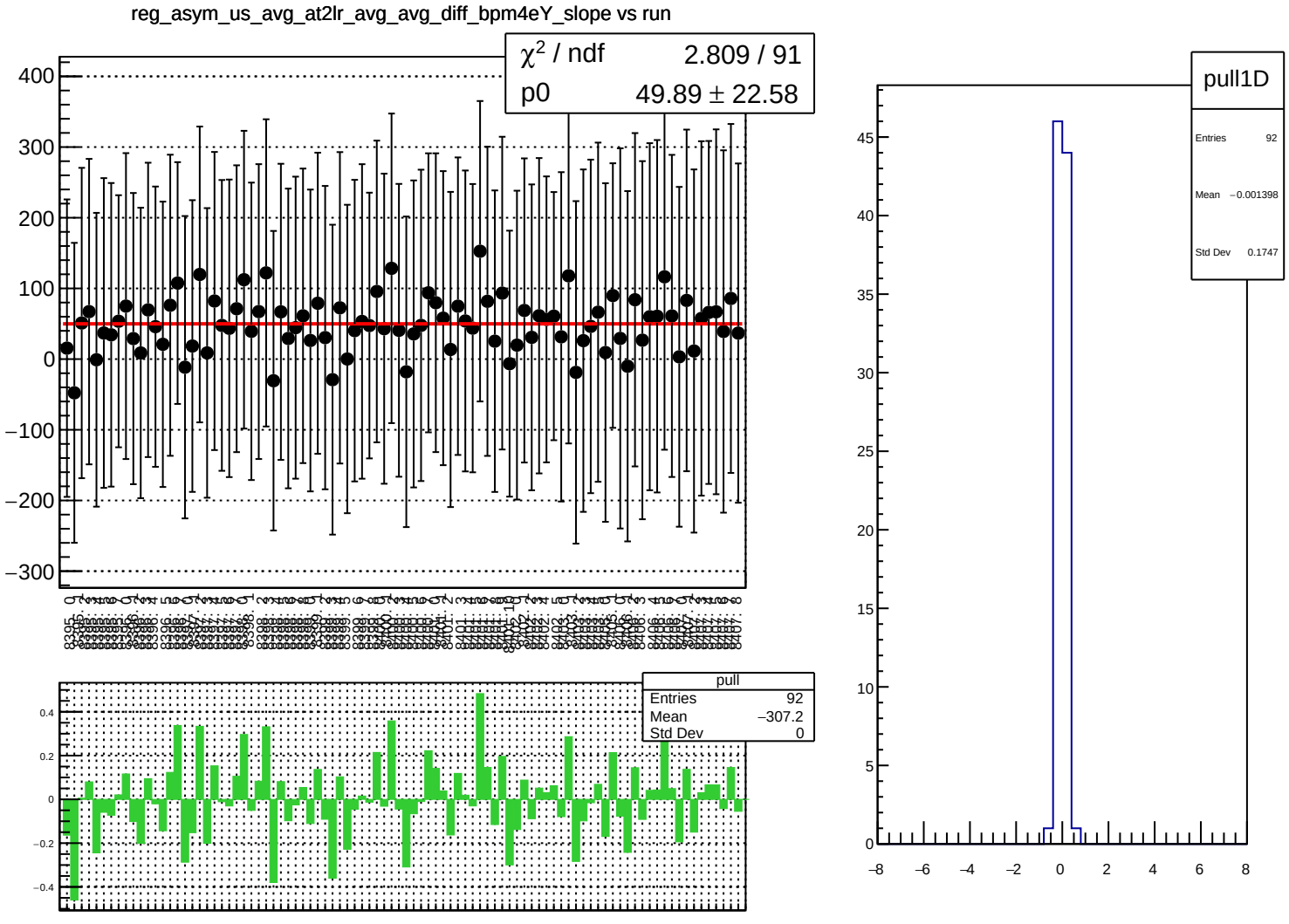

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 153 / 91
p0 −11.65 ± 0.2018
pull
Entries 92
Mean 1218
Std Dev 0
pull1D
Entries 92
Mean 0.003156
Std Dev 1.29

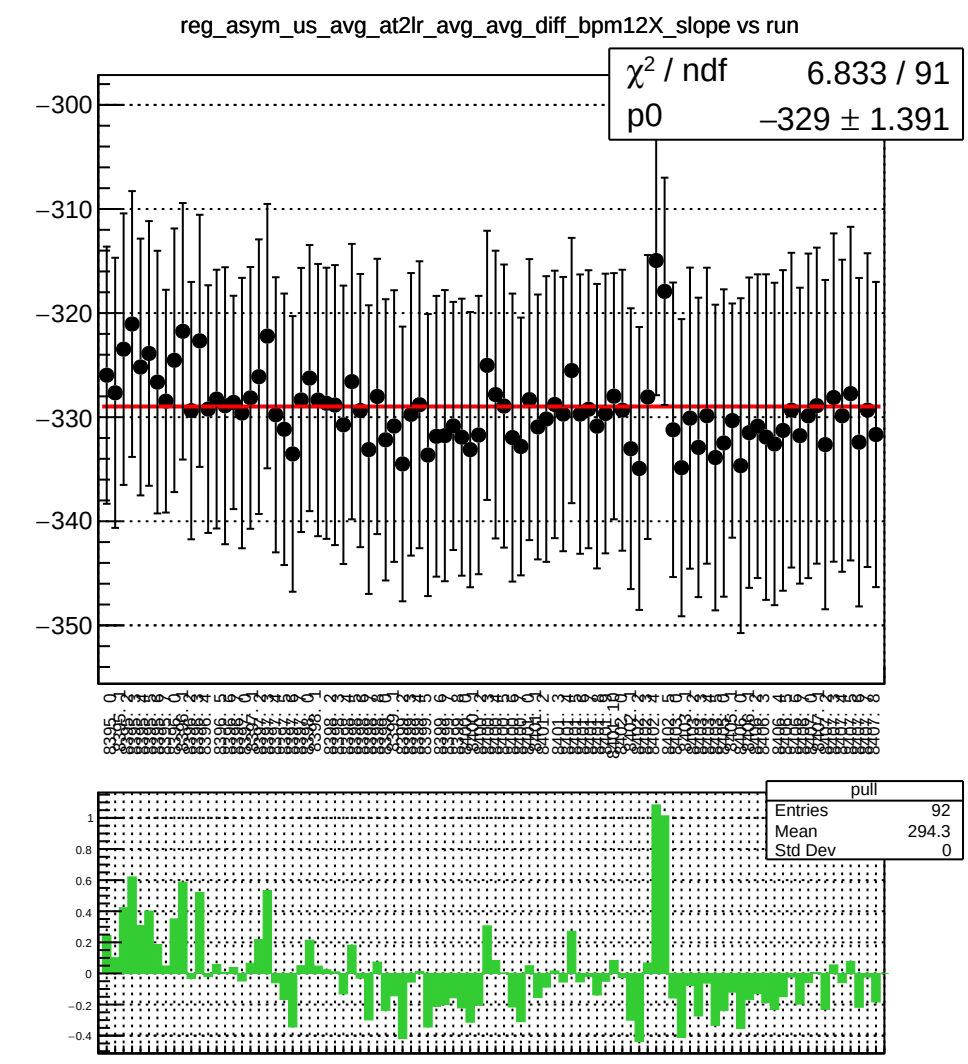

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 3.206 / 91
p0 −594.7 ± 11.88
pull
Entries 92
Mean 298.8
Std Dev 0
pull1D
Entries 92
Mean −0.002564
Std Dev 0.1866

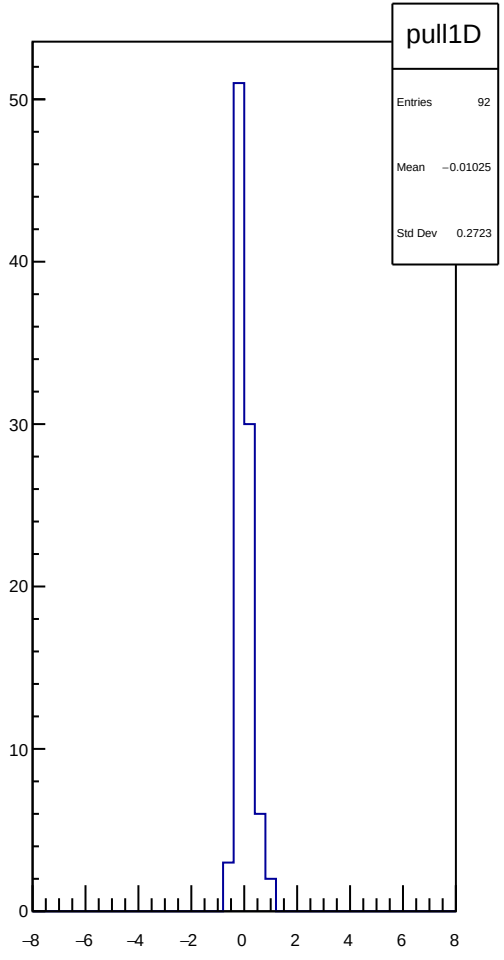

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.779 / 91
p0 99.44 ± 21.6
pull
Entries 92
Mean −481.6
Std Dev 0

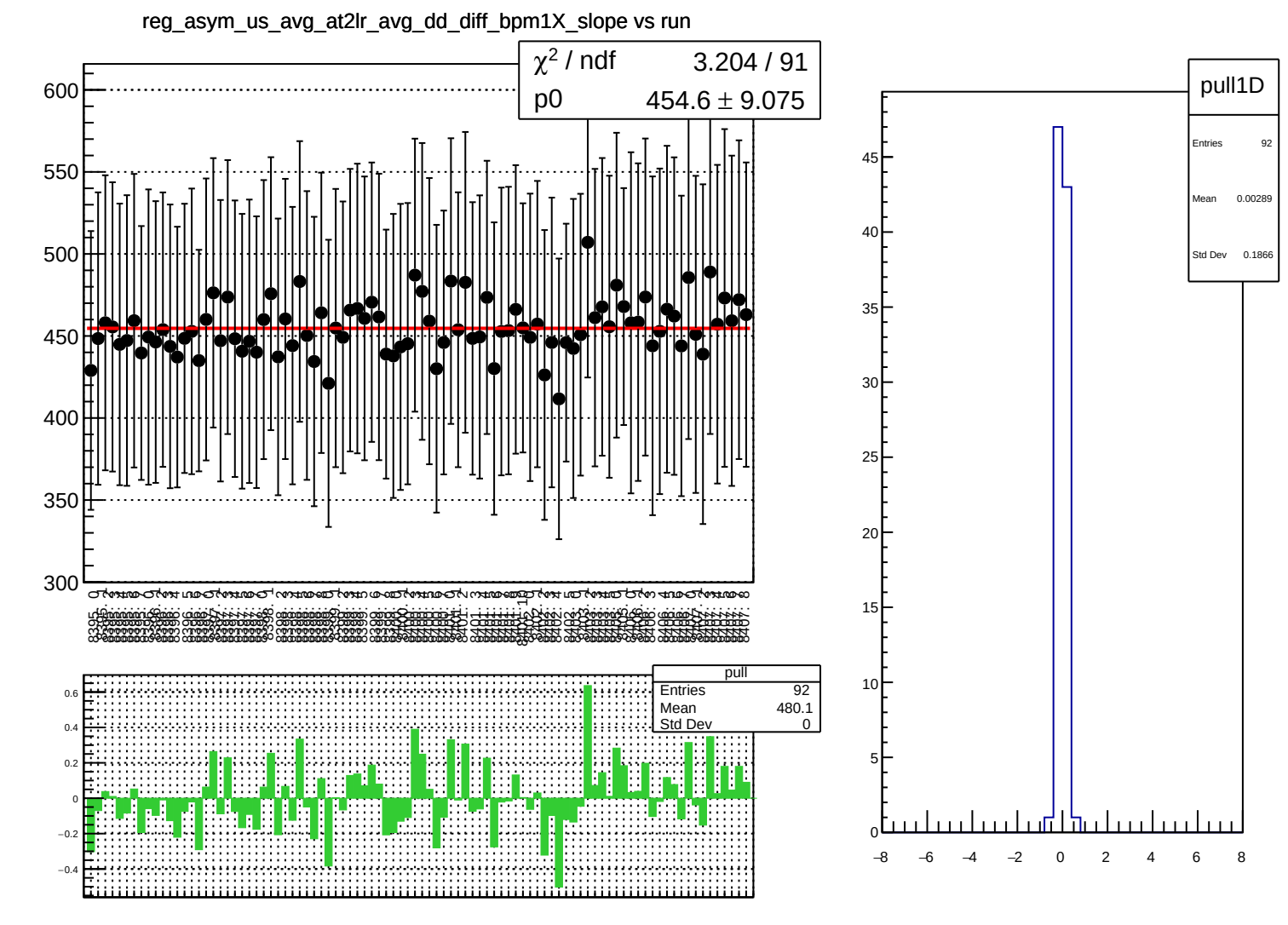

pull1D
Entries 92
Mean 0.001105
Std Dev 0.1738

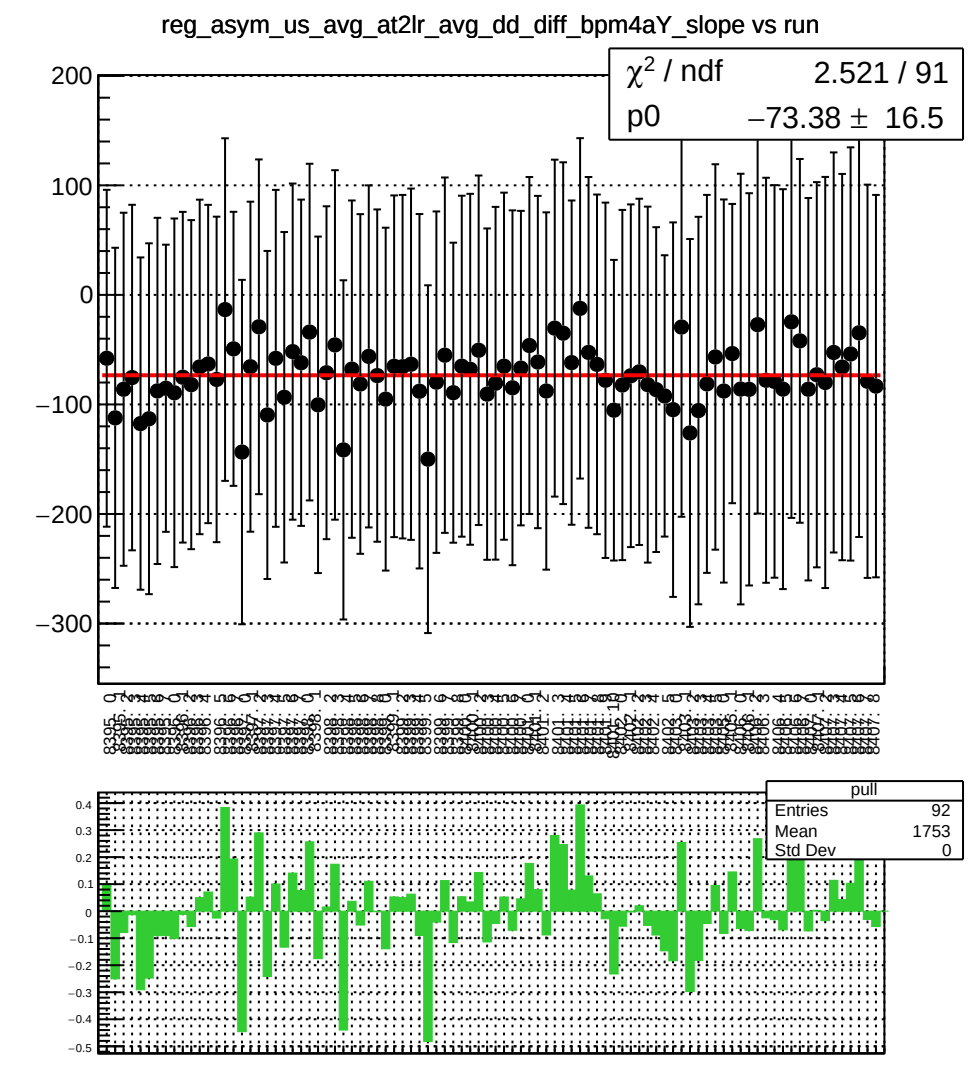

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.957 / 91
p0 536.2 ± 13.27
750
700
650
600
550
500
450
400
350
pull
Entries 92
Mean 190.5
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.002176
Std Dev 0.1793
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

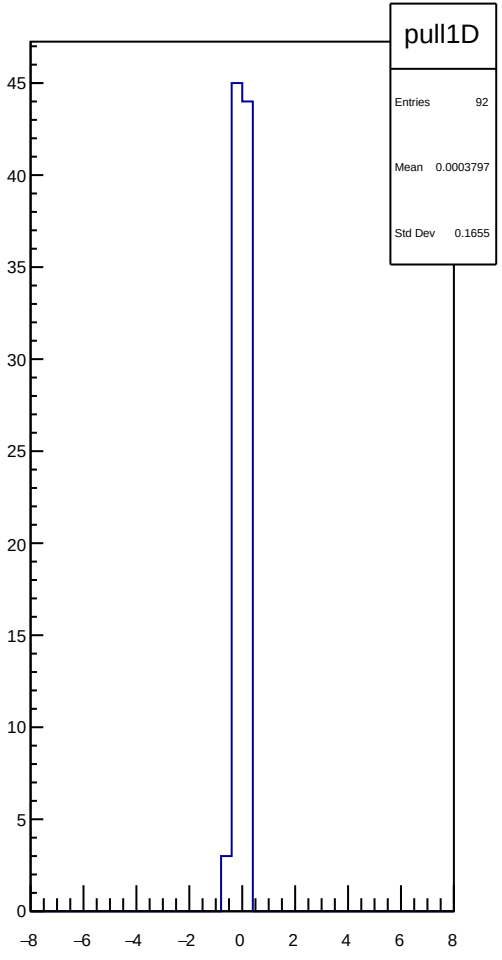

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.809 / 91
p0 49.89 ± 22.58
pull
Entries 92
Mean −307.2
Std Dev 0
pull1D
Entries 92
Mean −0.001398
Std Dev 0.1747

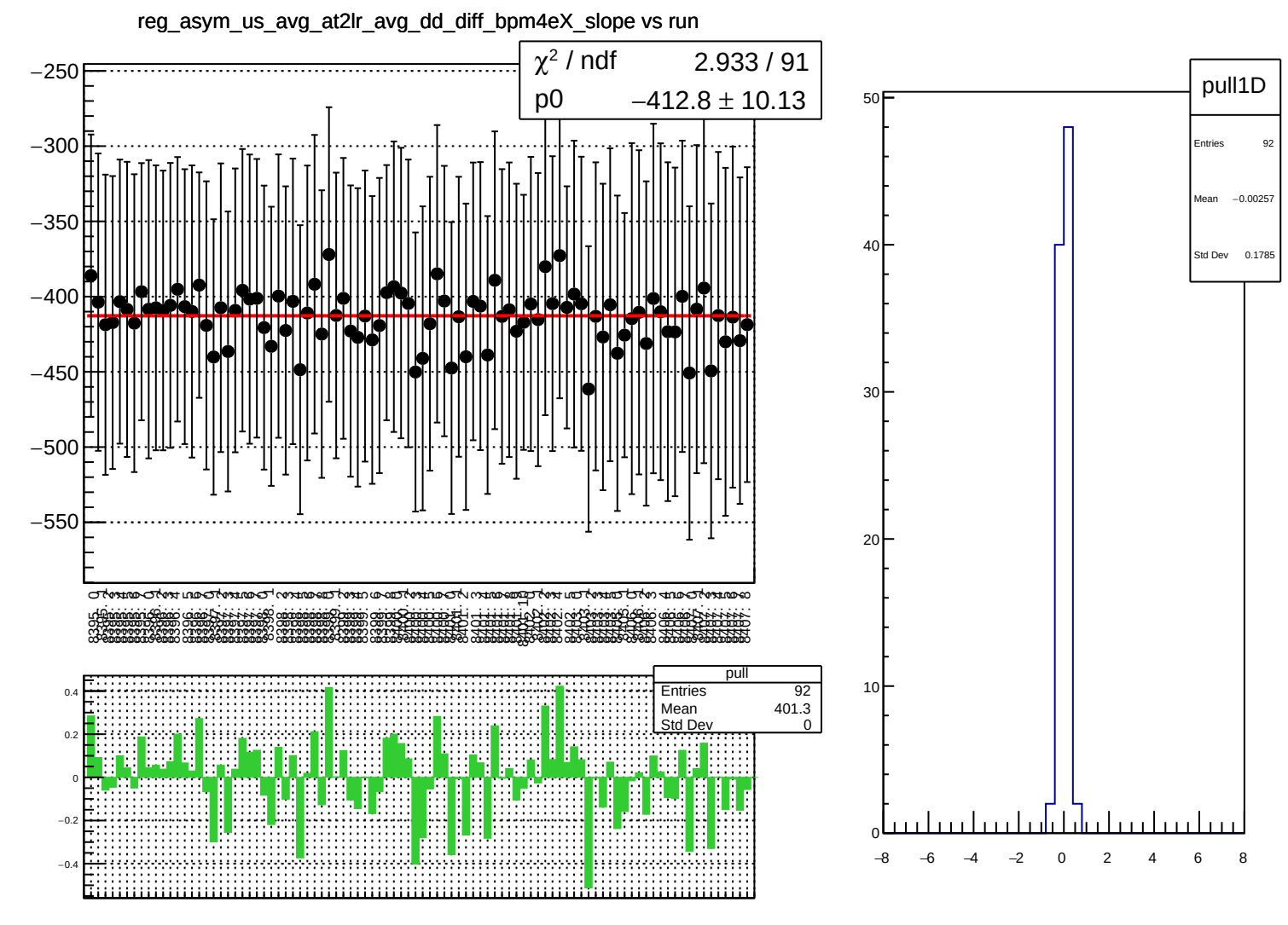

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 6.833 / 91
p0 −329 ± 1.391
−300
−310
−320
−330
−340
−350
pull
Entries 92
Mean 294.3
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

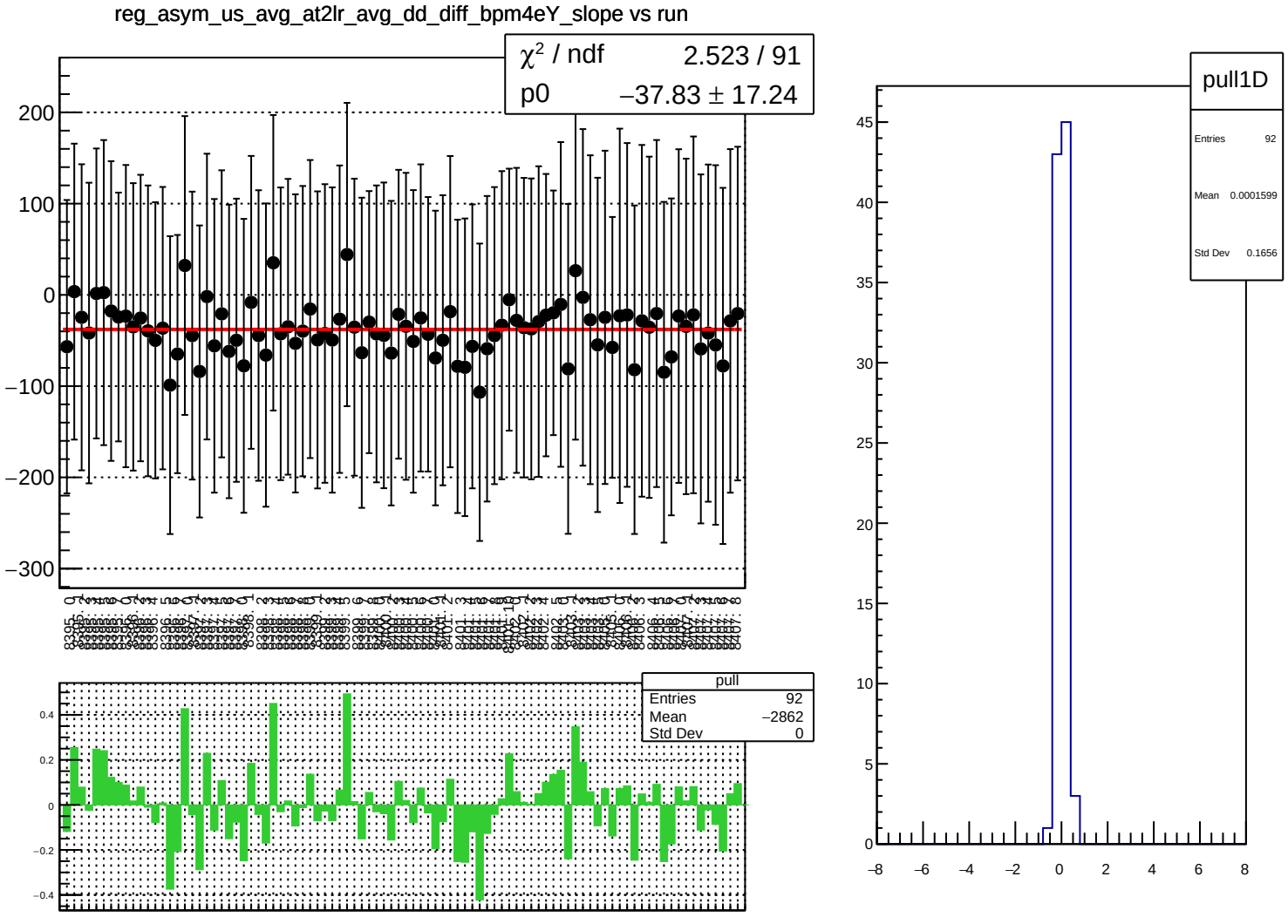

pull1D
Entries 92
Mean −0.01025
Std Dev 0.2723
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

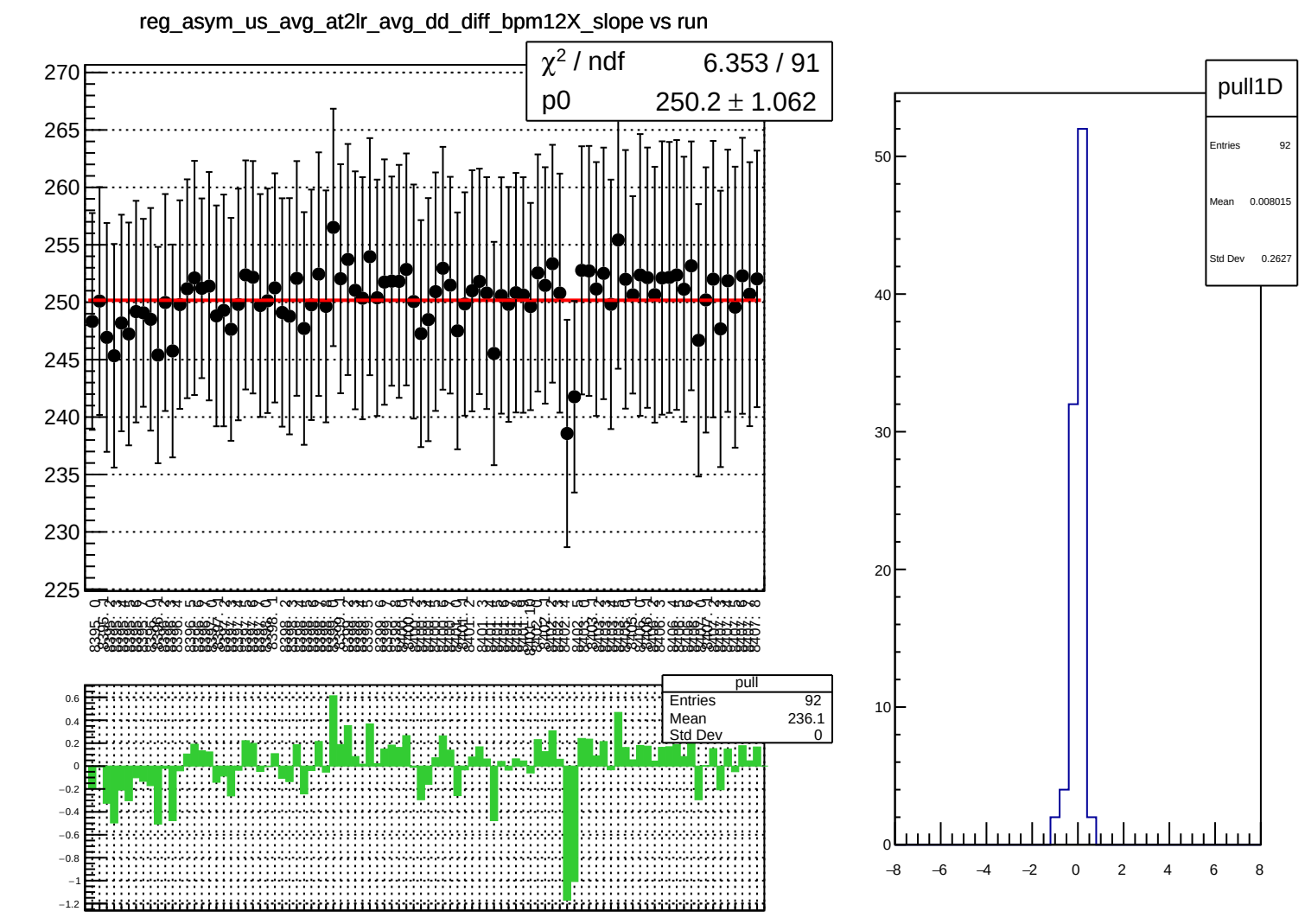

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 3.204 / 91
p0 454.6 ± 9.075
pull
Entries 92
Mean 480.1
Std Dev 0
pull1D
Entries 92
Mean 0.00289
Std Dev 0.1866

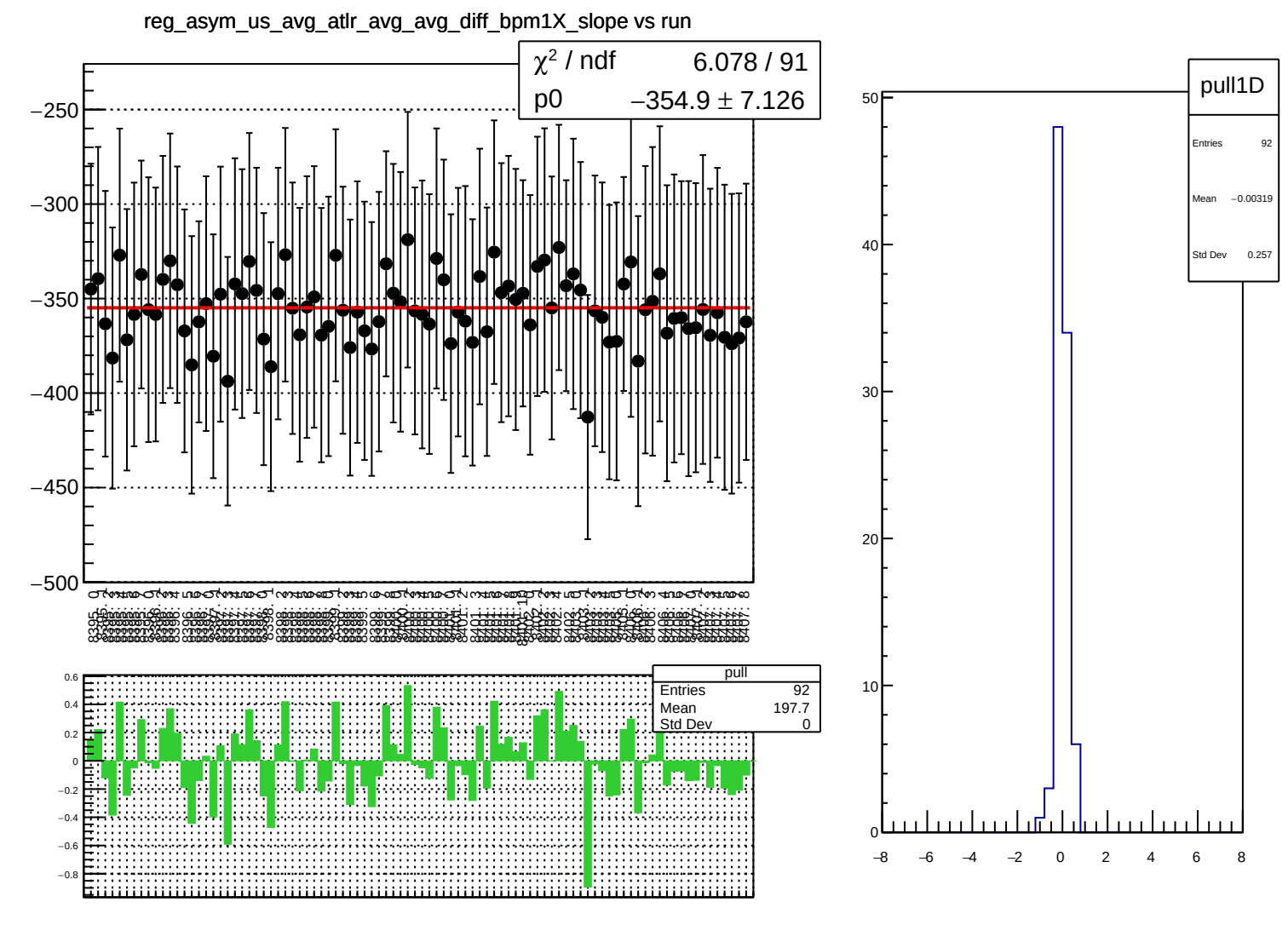

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.521 / 91
p0 −73.38 ± 16.5
pull
Entries 92
Mean 1753
Std Dev 0

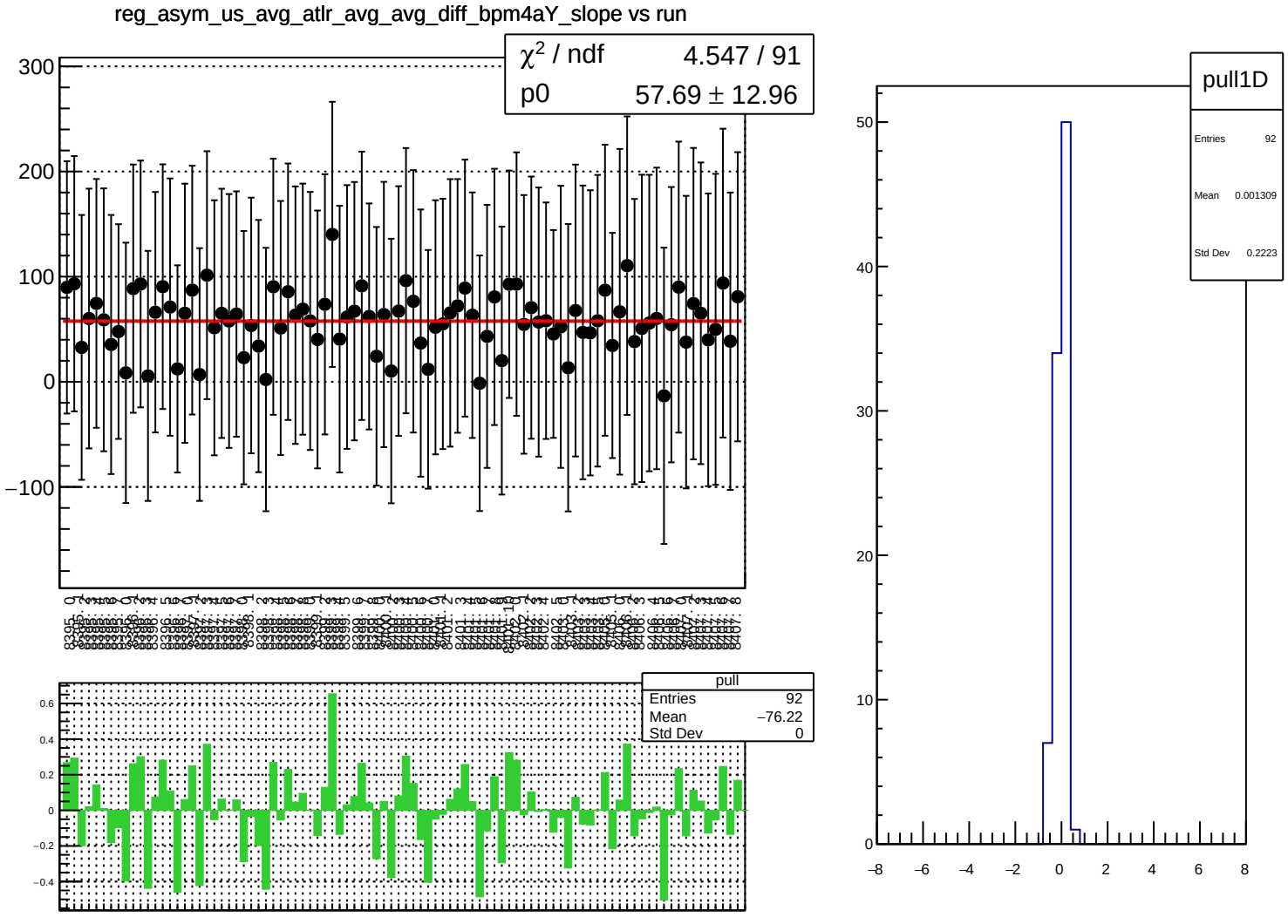

pull1D
Entries 92
Mean 0.0003797
Std Dev 0.1655

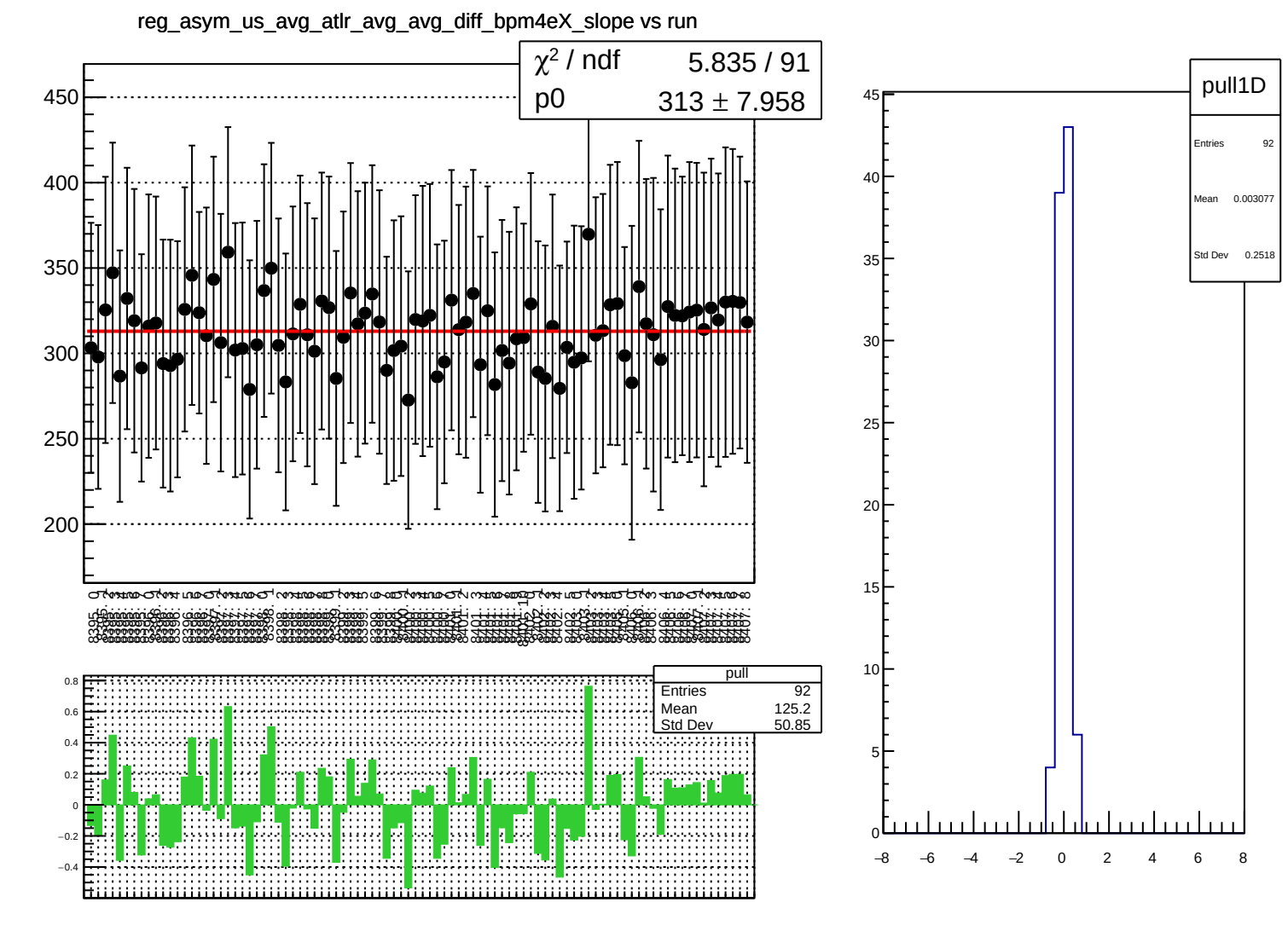

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.933 / 91
p0 −412.8 ± 10.13
−250
−300
−350
−400
−450
−500
−550
pull
Entries 92
Mean 401.3
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean −0.00257
Std Dev 0.1785
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

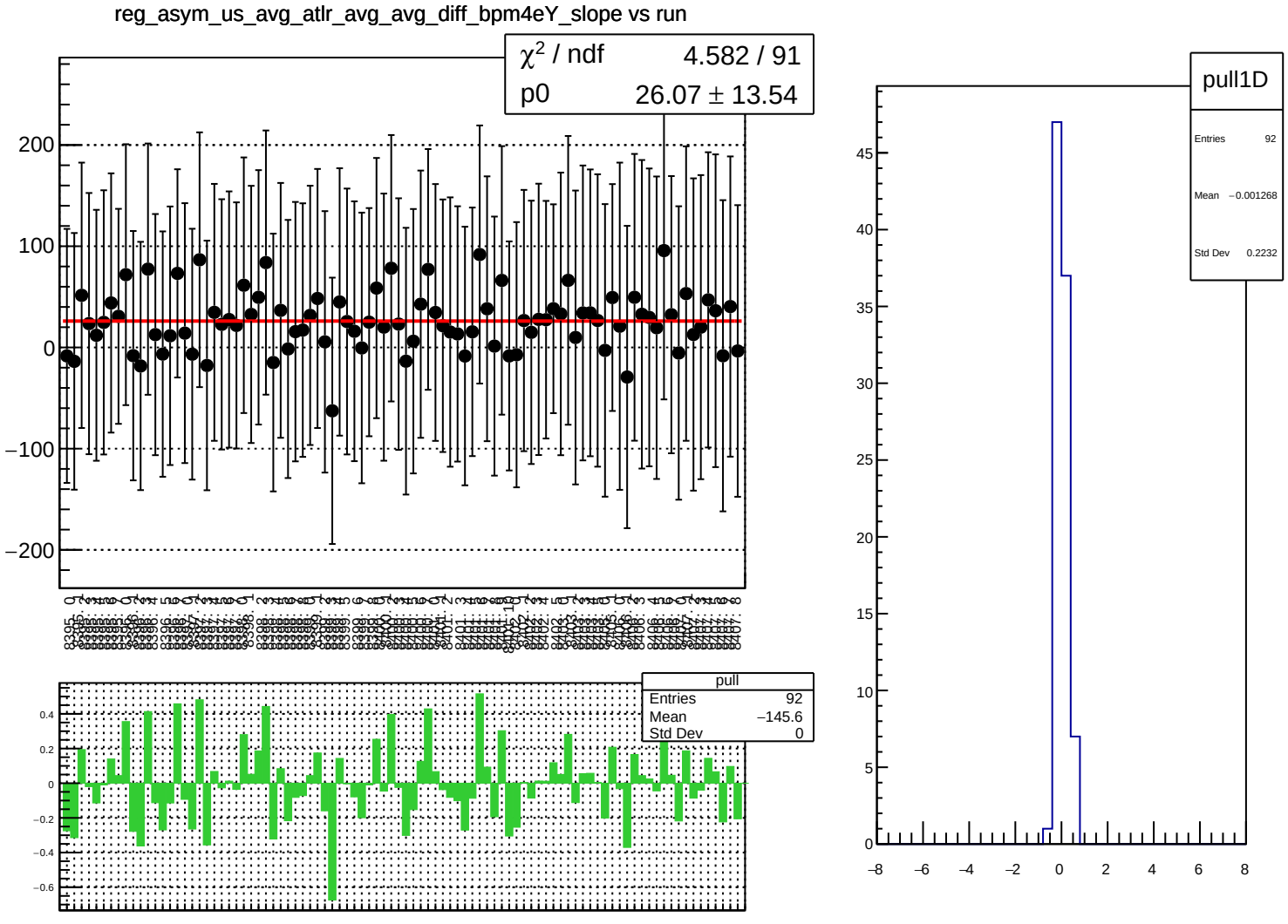

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.523 / 91
p0 −37.83 ± 17.24
200
100
0
−100
−200
−300
pull
Entries 92
Mean −2862
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.0001599
Std Dev 0.1656
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

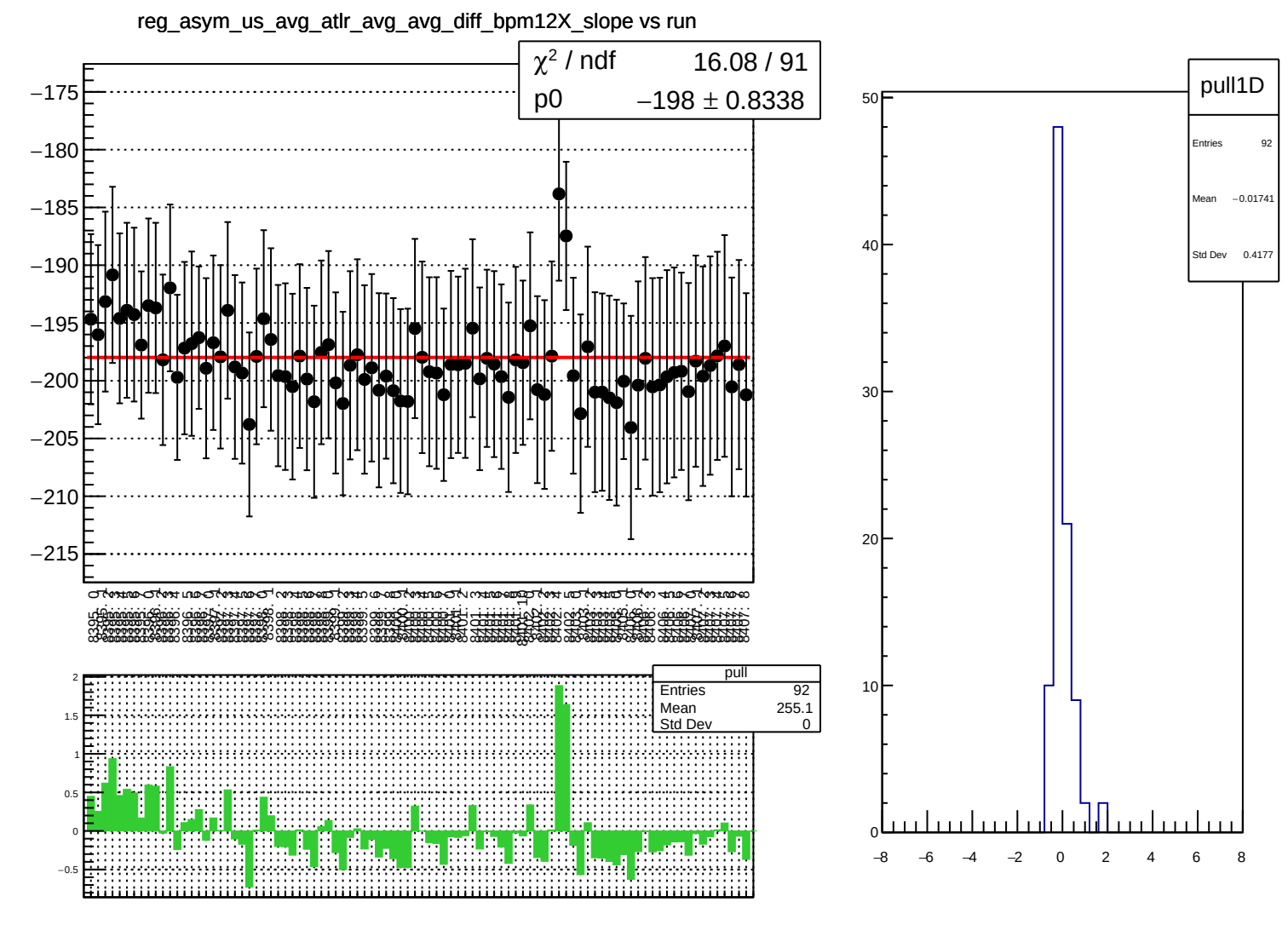

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 6.353 / 91
p0 250.2 ± 1.062
pull
Entries 92
Mean 236.1
Std Dev 0
pull1D
Entries 92
Mean 0.008015
Std Dev 0.2627

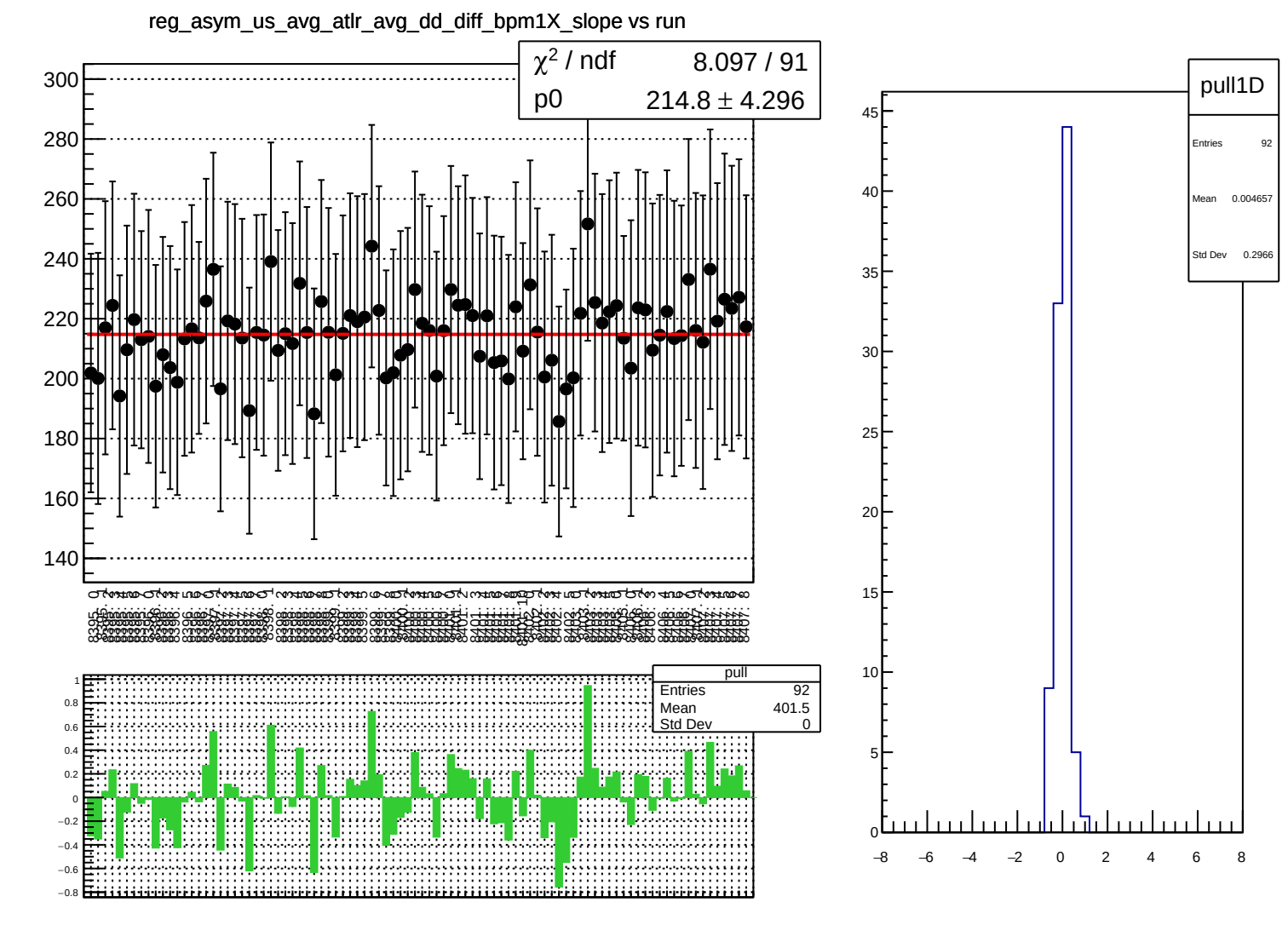

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.078 / 91
p0 −354.9 ± 7.126
pull
Entries 92
Mean 197.7
Std Dev 0
pull1D
Entries 92
Mean −0.00319
Std Dev 0.257

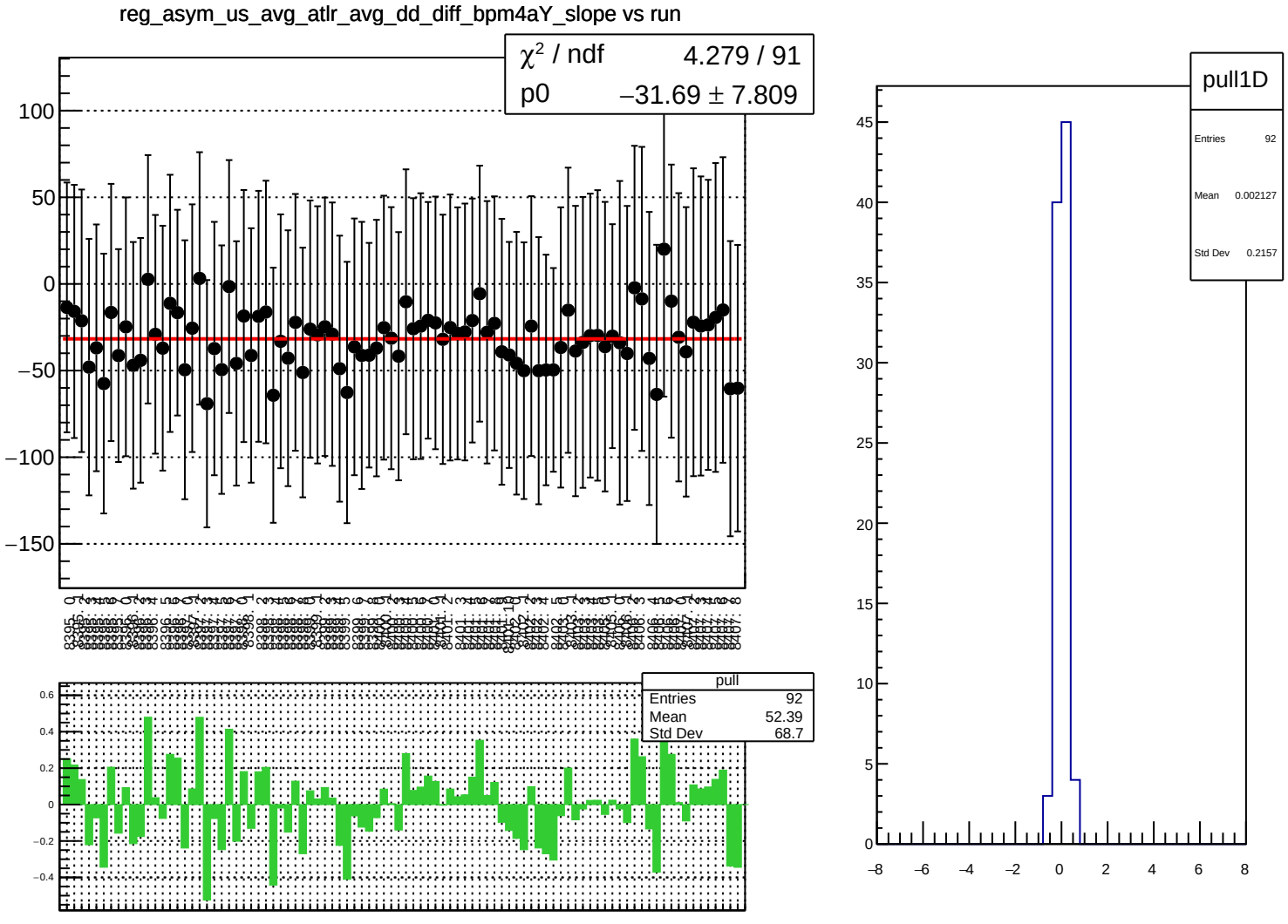

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.547 / 91
p0 57.69 ± 12.96
300
200
100
0
−100
pull
Entries 92
Mean −76.22
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.001309
Std Dev 0.2223
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

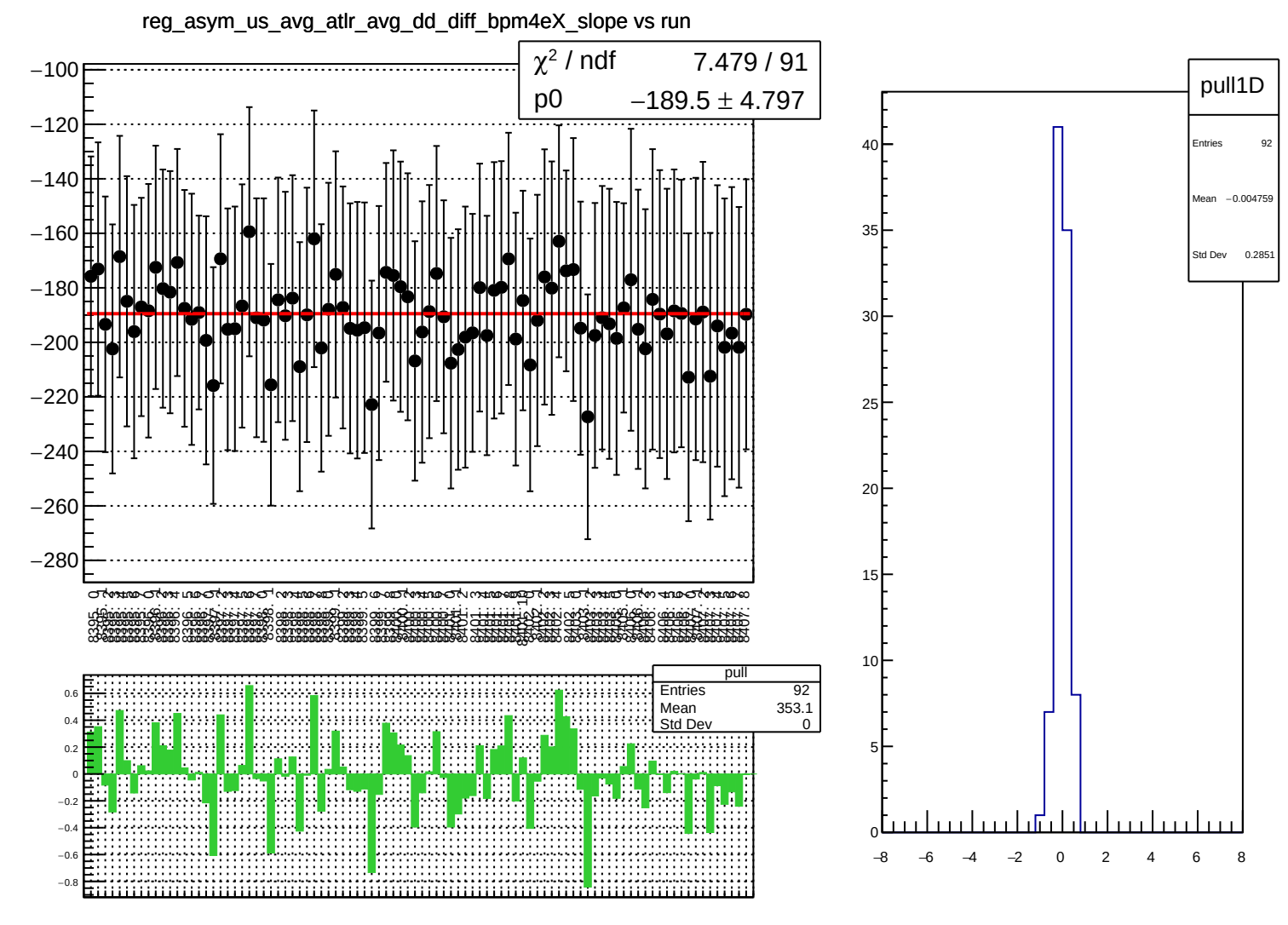

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.835 / 91
p0 313 ± 7.958
pull
Entries 92
Mean 125.2
Std Dev 50.85
pull1D
Entries 92
Mean 0.003077
Std Dev 0.2518

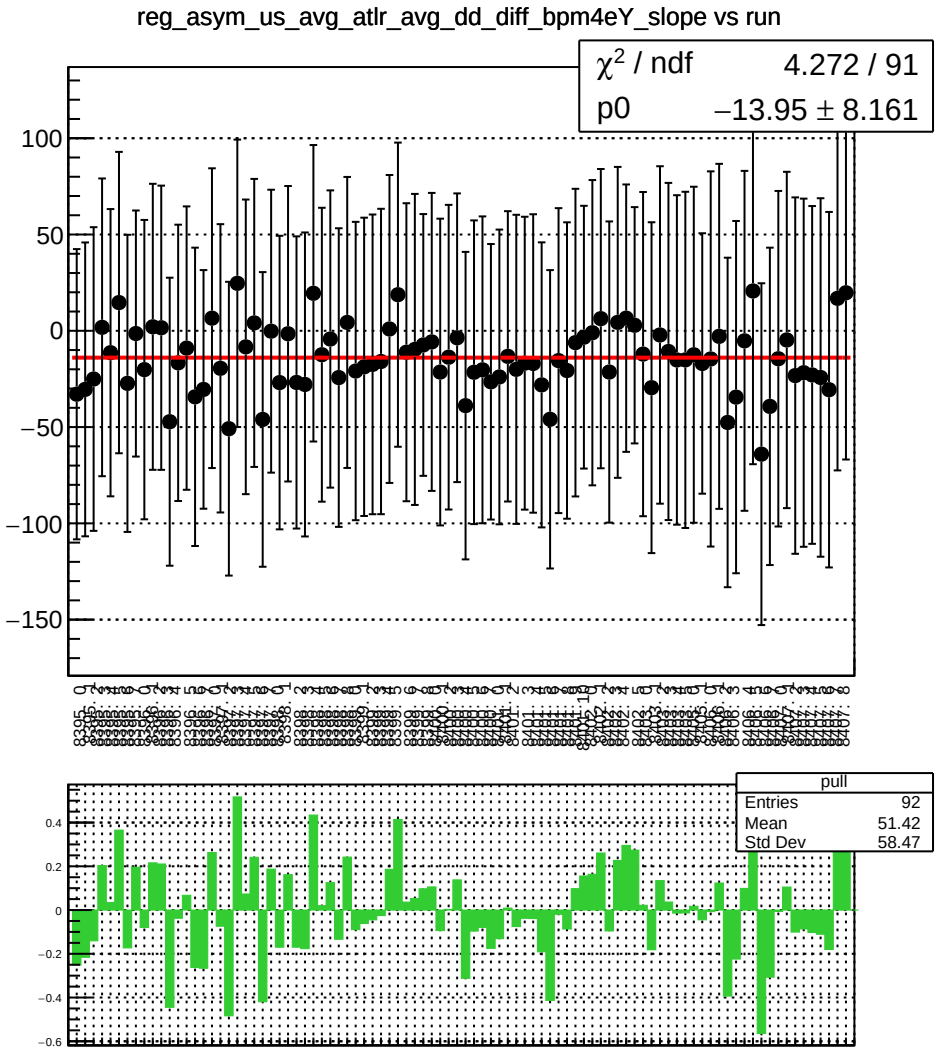

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.582 / 91
p0 26.07 ± 13.54
200
100
0
−100
−200
pull
Entries 92
Mean −145.6
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 92
Mean −0.001268
Std Dev 0.2232
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

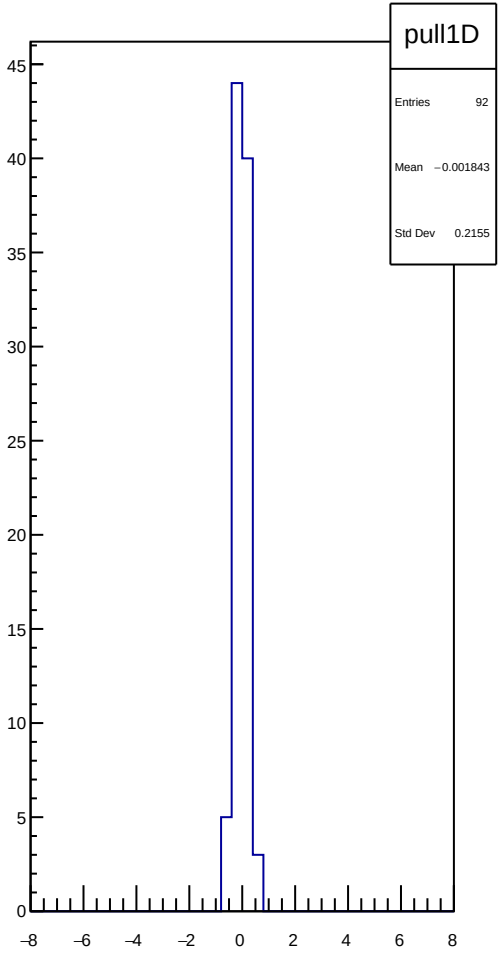

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 16.08 / 91
p0 −198 ± 0.8338
pull
Entries 92
Mean 255.1
Std Dev 0
pull1D
Entries 92
Mean −0.01741
Std Dev 0.4177

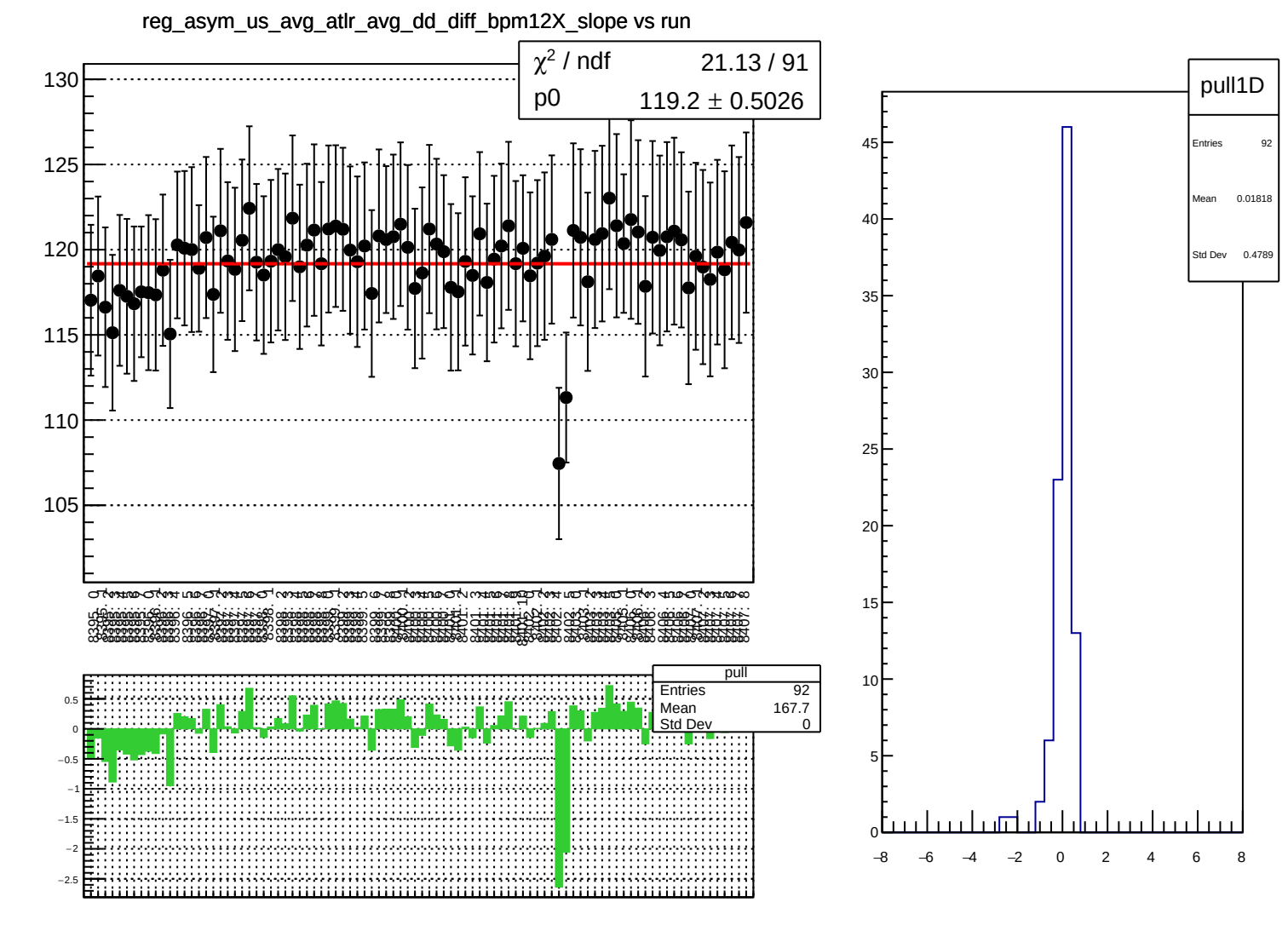

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 8.097 / 91
p0 214.8 ± 4.296
pull
Entries 92
Mean 401.5
Std Dev 0
pull1D
Entries 92
Mean 0.004657
Std Dev 0.2966

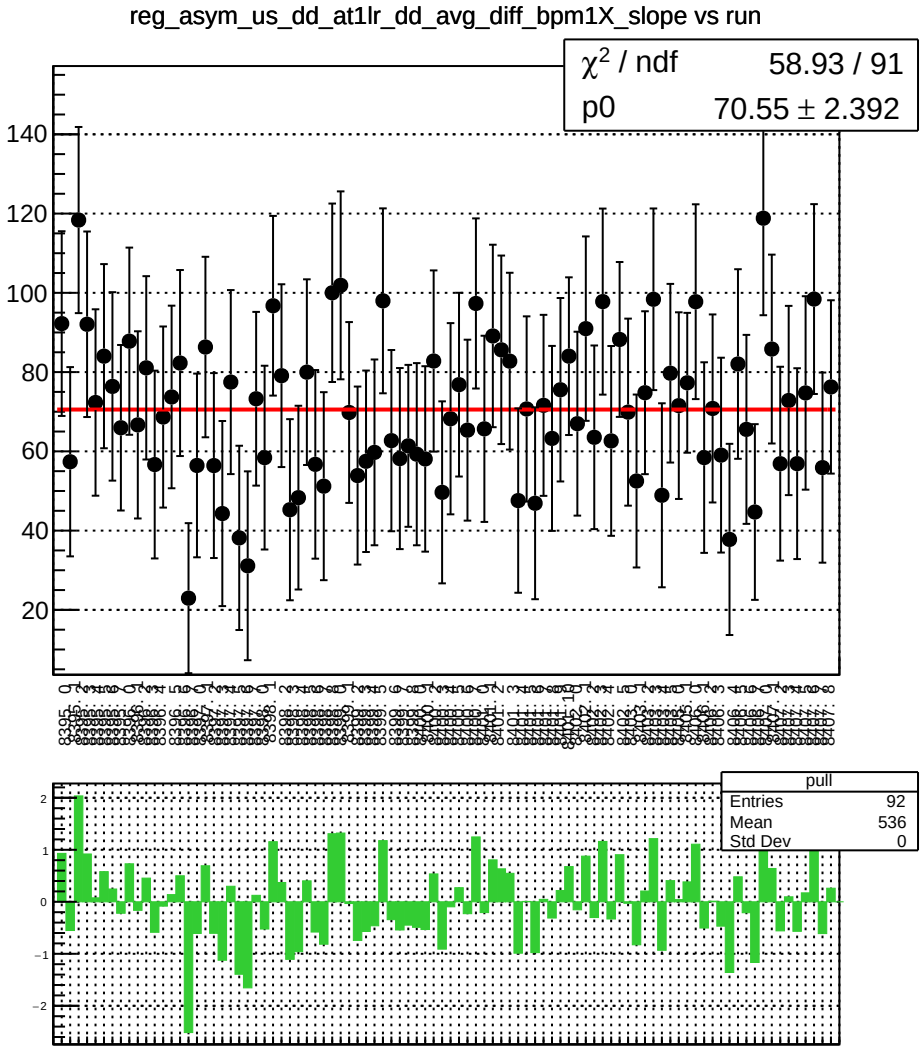

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.279 / 91
p0 −31.69 ± 7.809
100
50
0
−50
−100
−150
pull
Entries 92
Mean 52.39
Std Dev 68.7
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 92
Mean 0.002127
Std Dev 0.2157
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

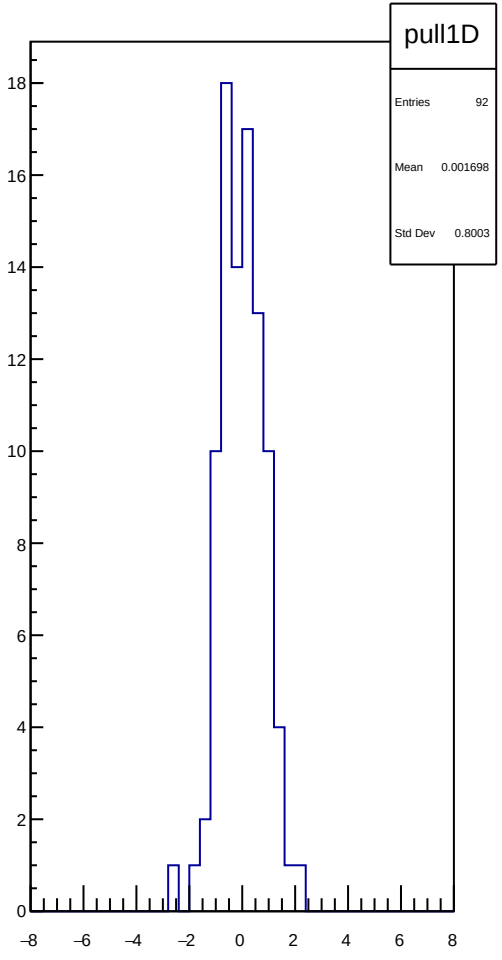

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.479 / 91
p0 −189.5 ± 4.797
−100
−120
−140
−160
−180
−200
−220
−240
−260
−280
pull
Entries 92
Mean 353.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 92
Mean −0.004759
Std Dev 0.2851
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

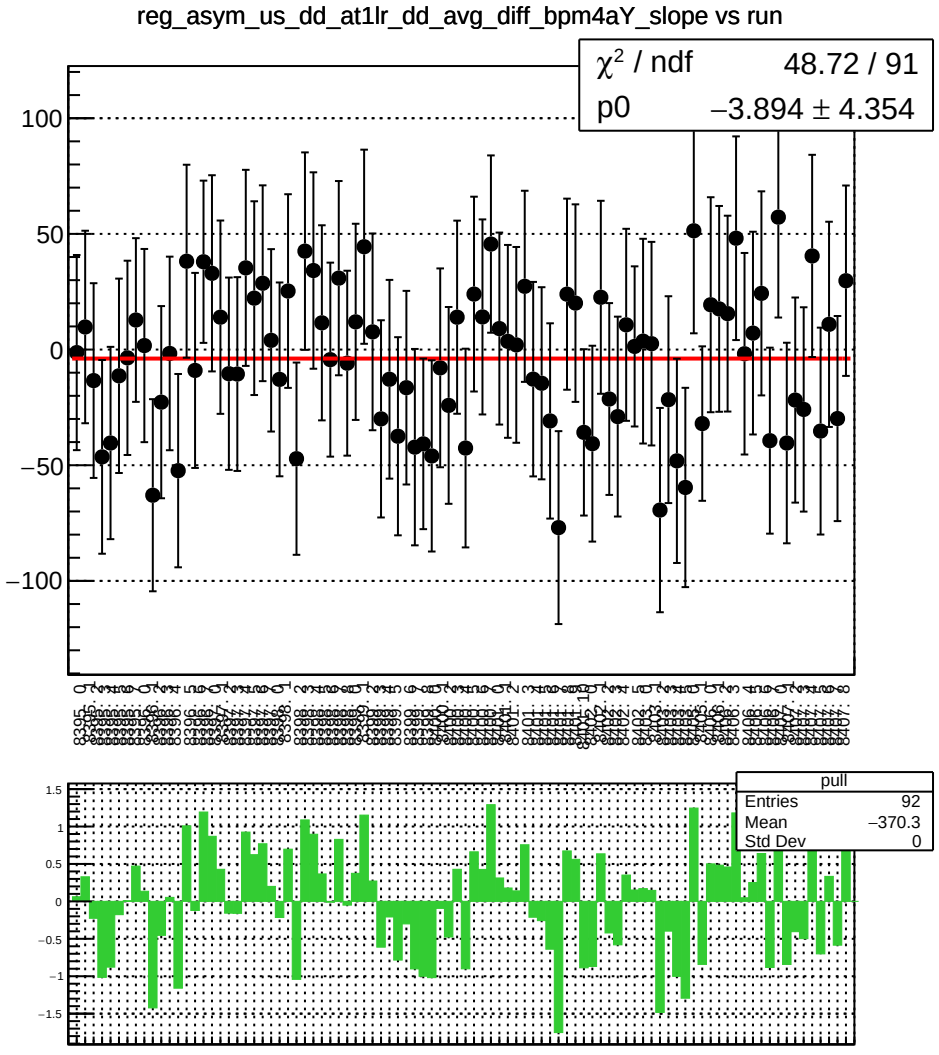

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.272 / 91
p0 −13.95 ± 8.161
pull
Entries 92
Mean 51.42
Std Dev 58.47

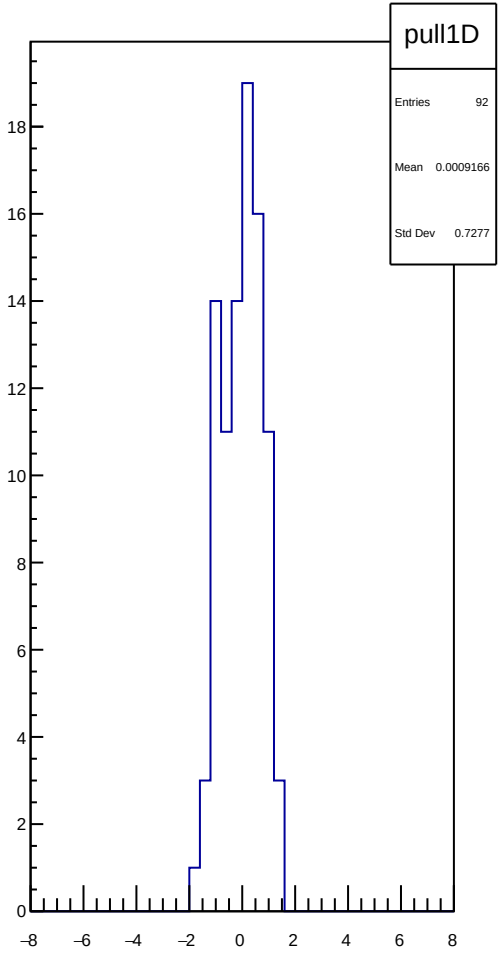

pull1D
Entries 92
Mean −0.001843
Std Dev 0.2155

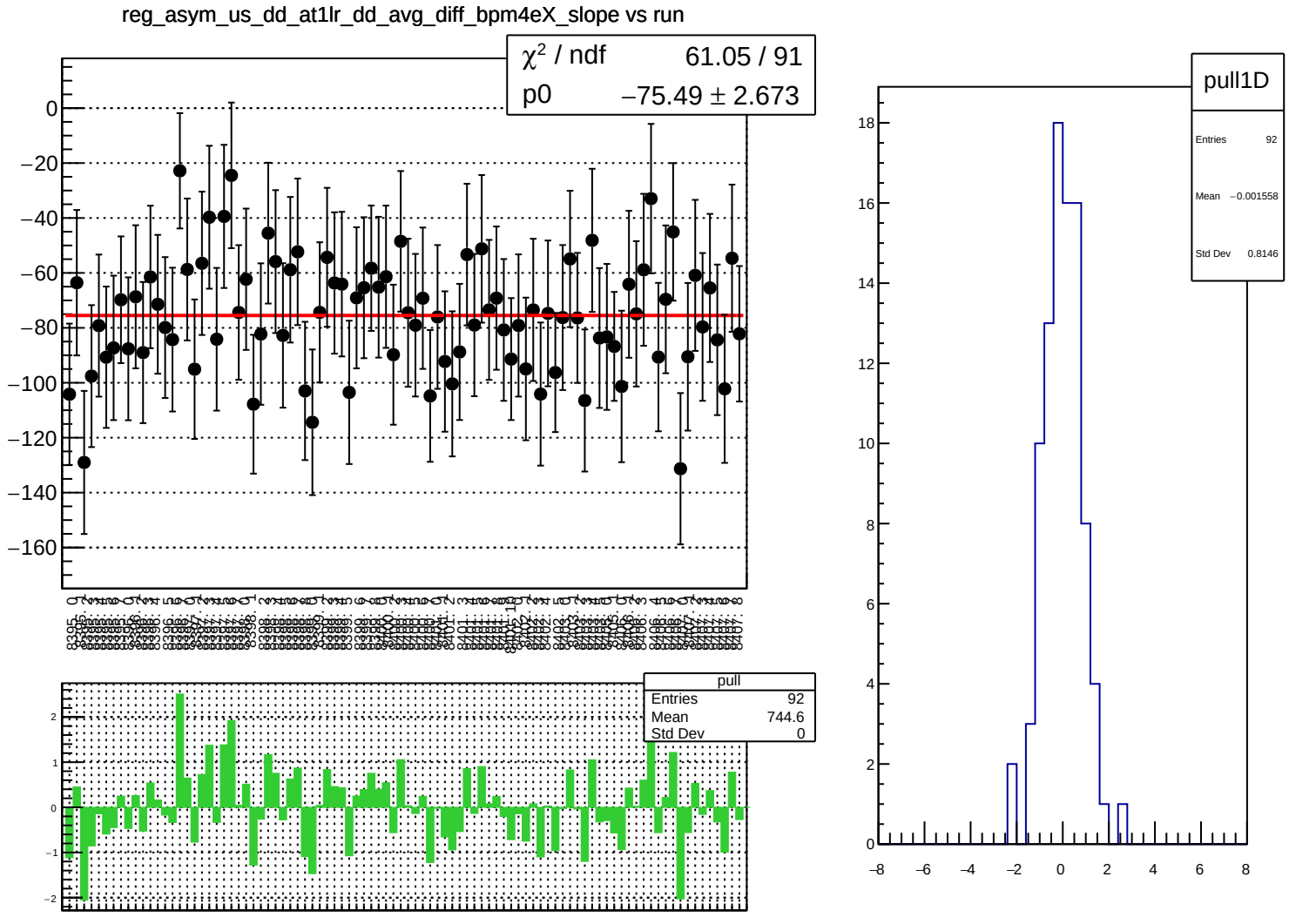

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 21.13 / 91
p0 119.2 ± 0.5026
pull
Entries 92
Mean 167.7
Std Dev 0
pull1D
Entries 92
Mean 0.01818
Std Dev 0.4789

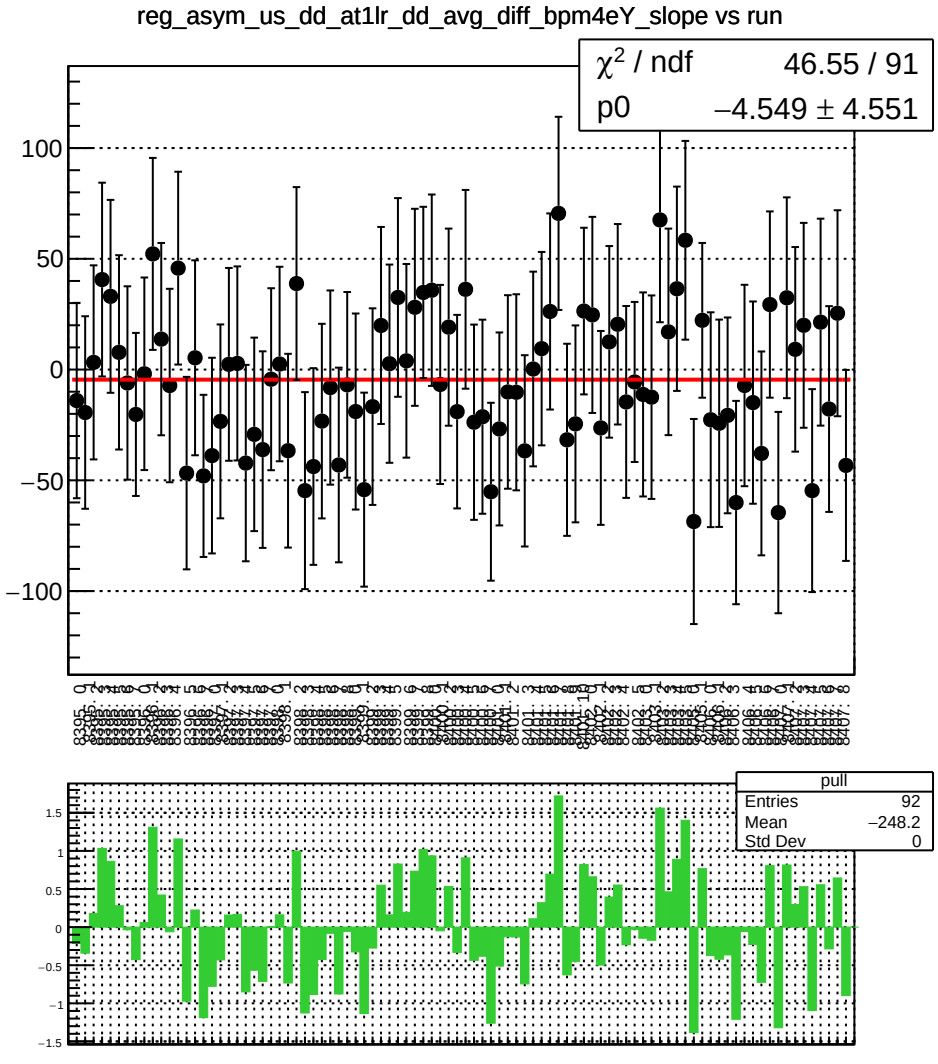

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 58.93 / 91
p0 70.55 ± 2.392
pull
Entries 92
Mean 536
Std Dev 0

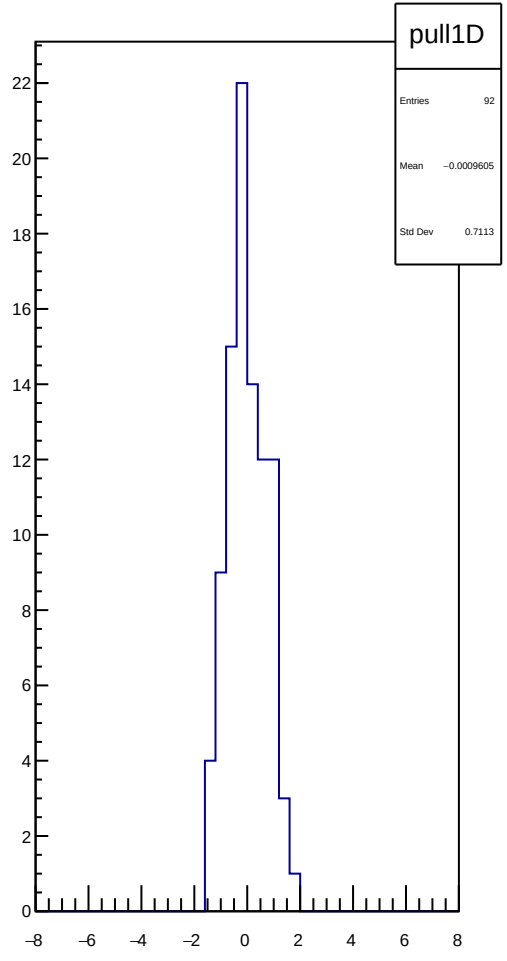

pull1D
Entries 92
Mean 0.001698
Std Dev 0.8003

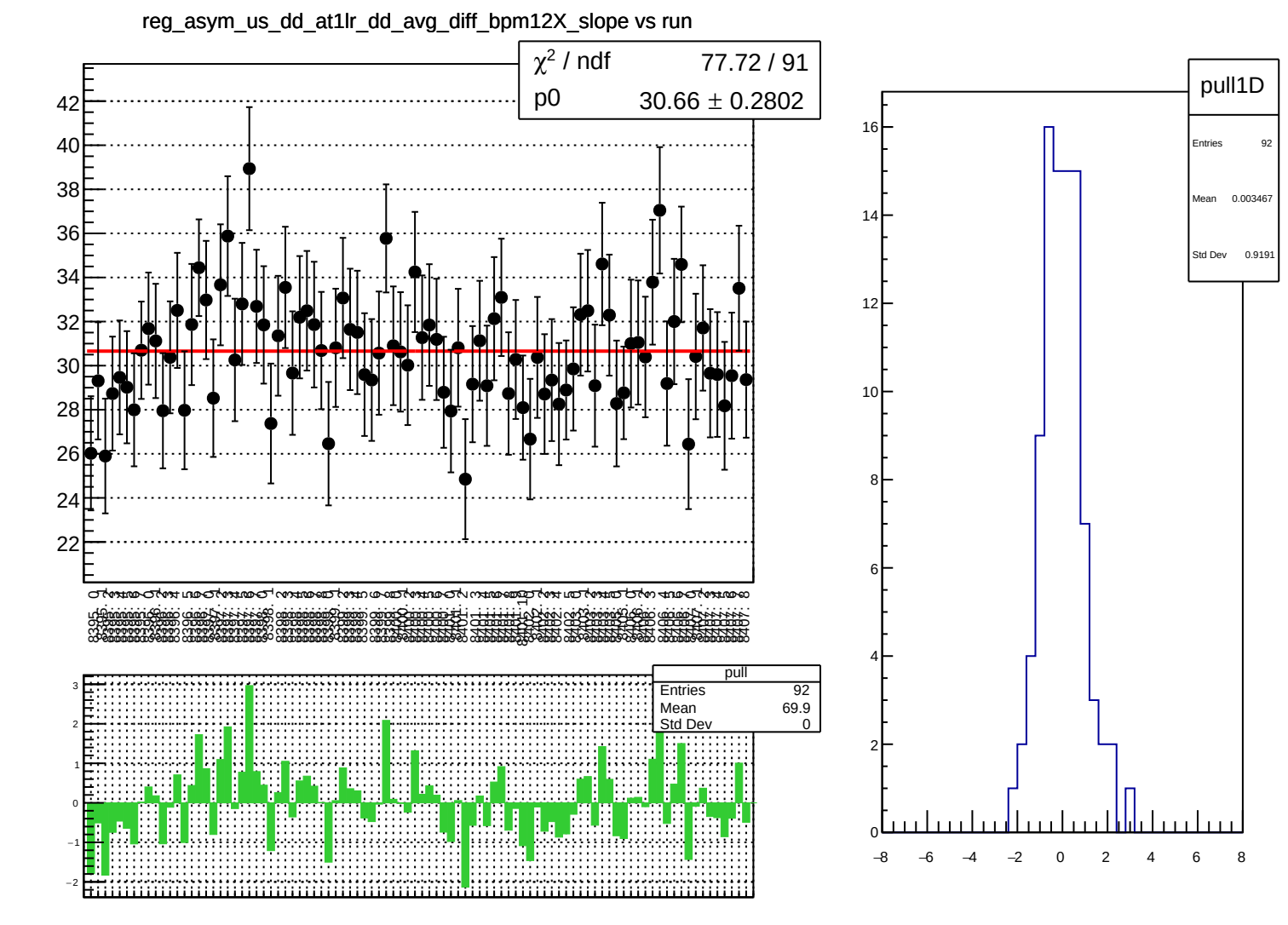

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.72 / 91
p0 −3.894 ± 4.354
100
50
0
−50
−100
pull
Entries 92
Mean −370.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

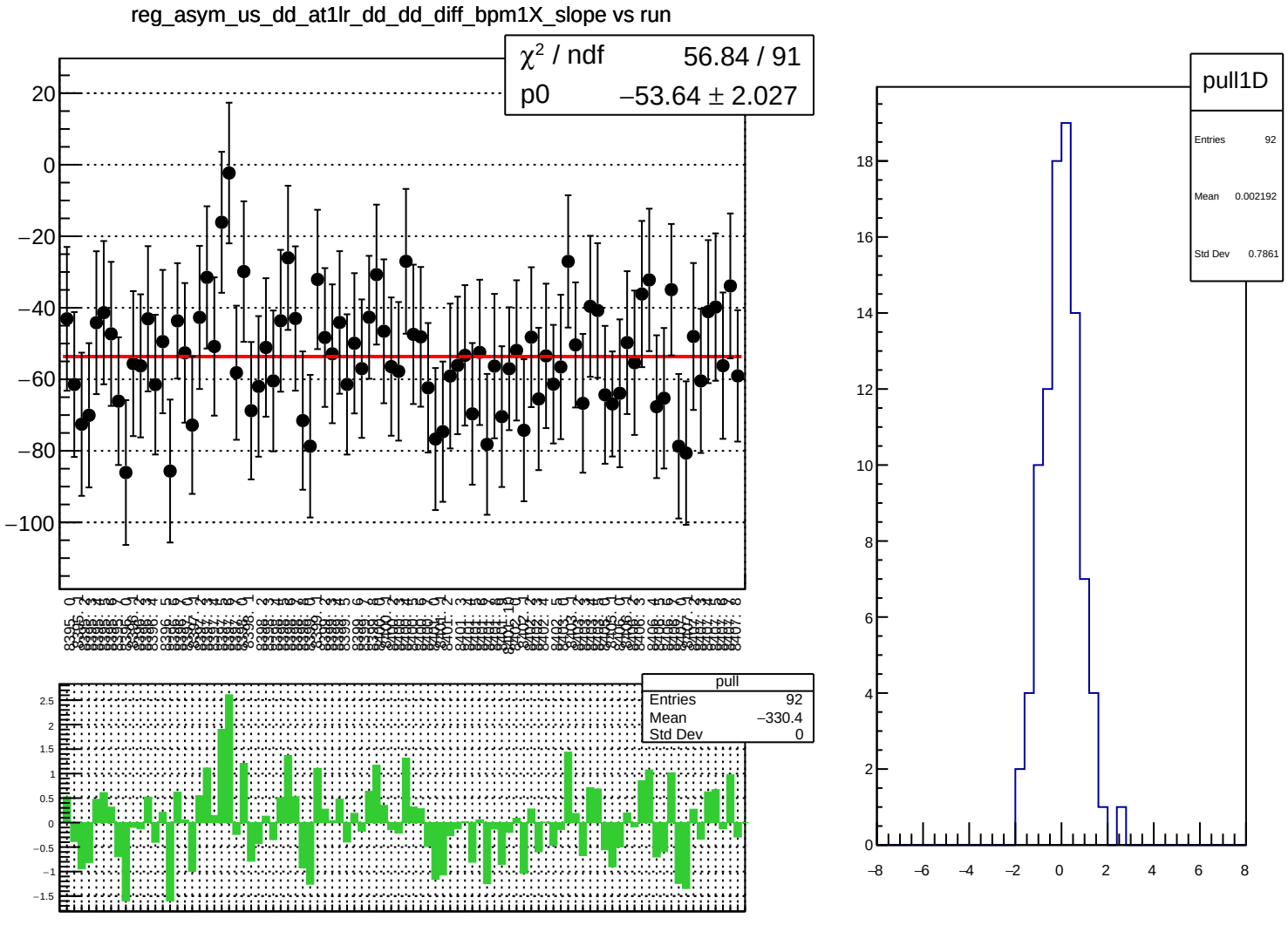

pull1D
Entries 92
Mean 0.0009166
Std Dev 0.7277
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

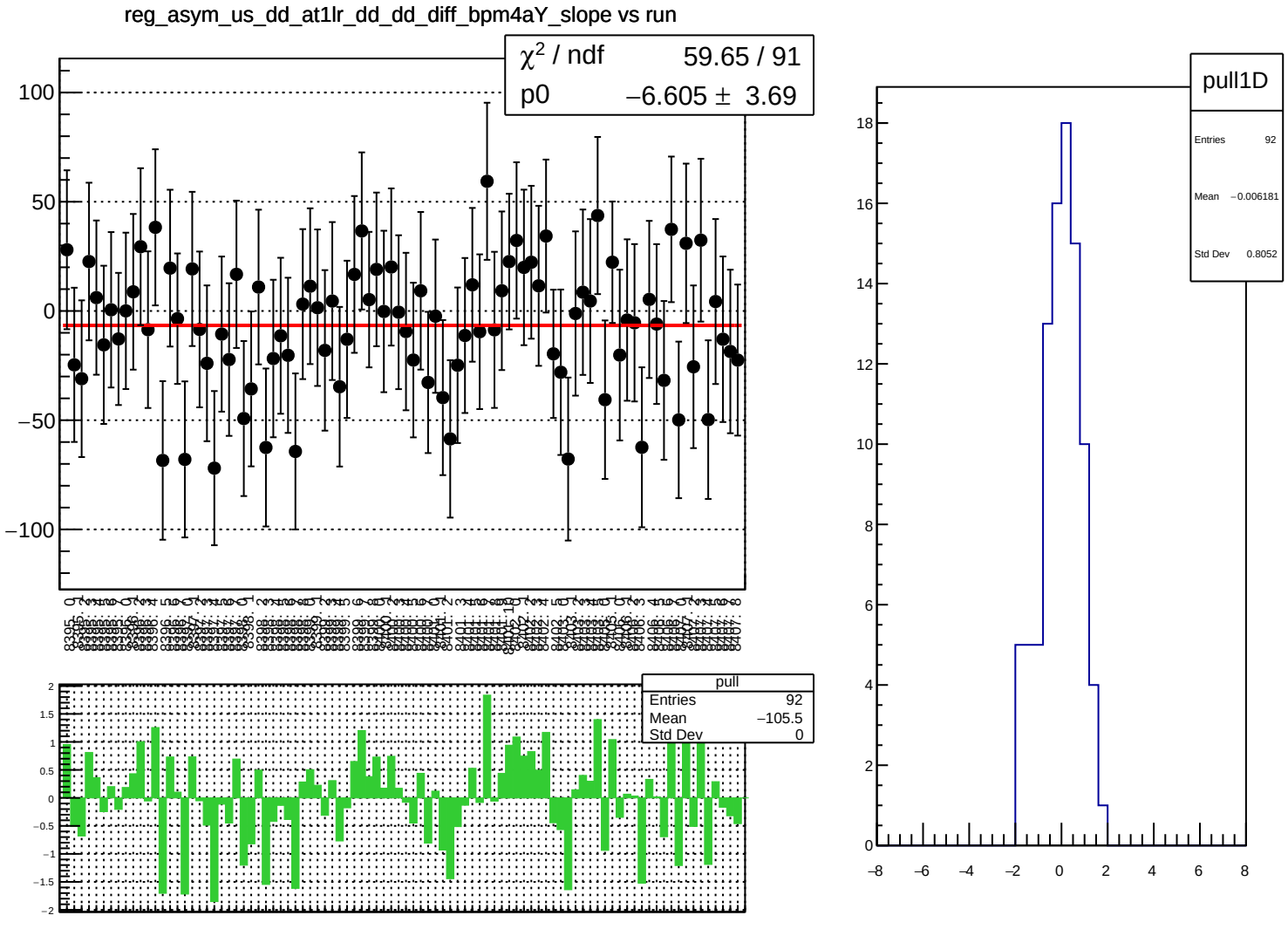

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.05 / 91
p0 −75.49 ± 2.673
pull
Entries 92
Mean 744.6
Std Dev 0
pull1D
Entries 92
Mean −0.001558
Std Dev 0.8146

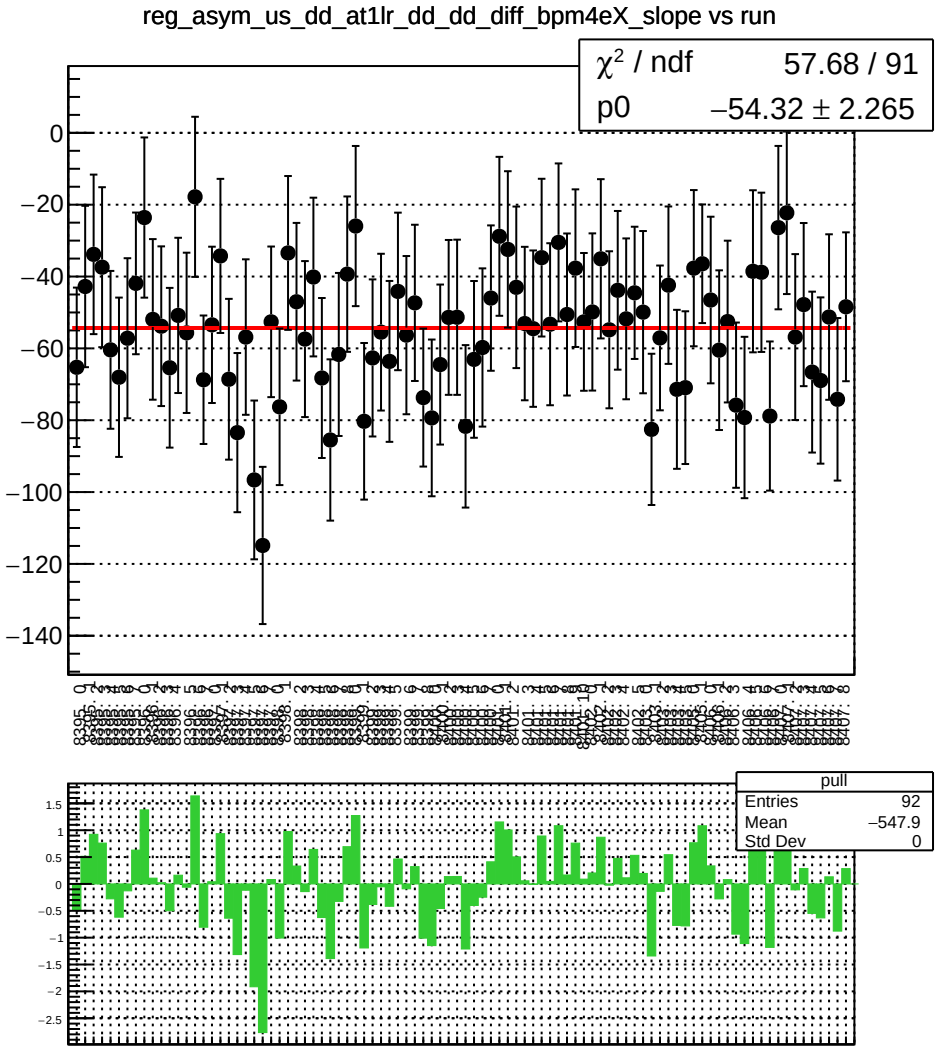

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.55 / 91
p0 −4.549 ± 4.551
100
50
0
−50
−100
pull
Entries 92
Mean −248.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

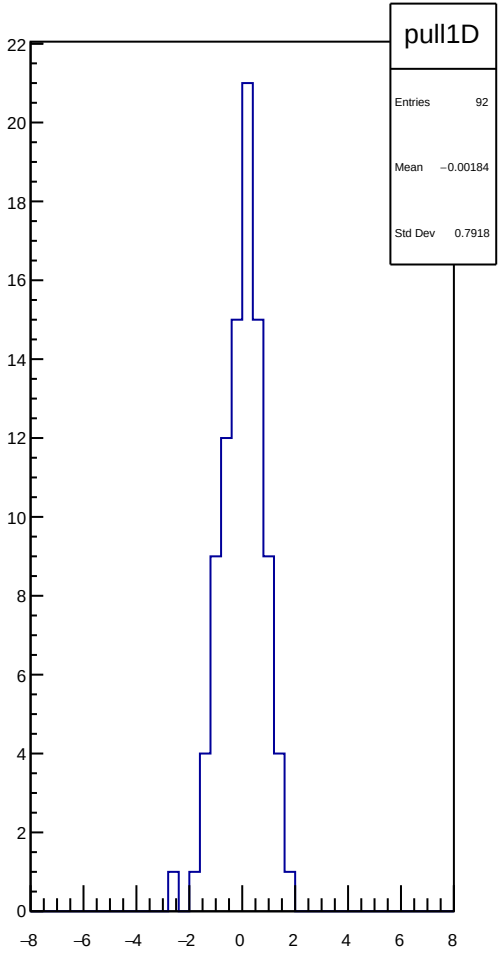

pull1D
Entries 92
Mean −0.0009605
Std Dev 0.7113
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

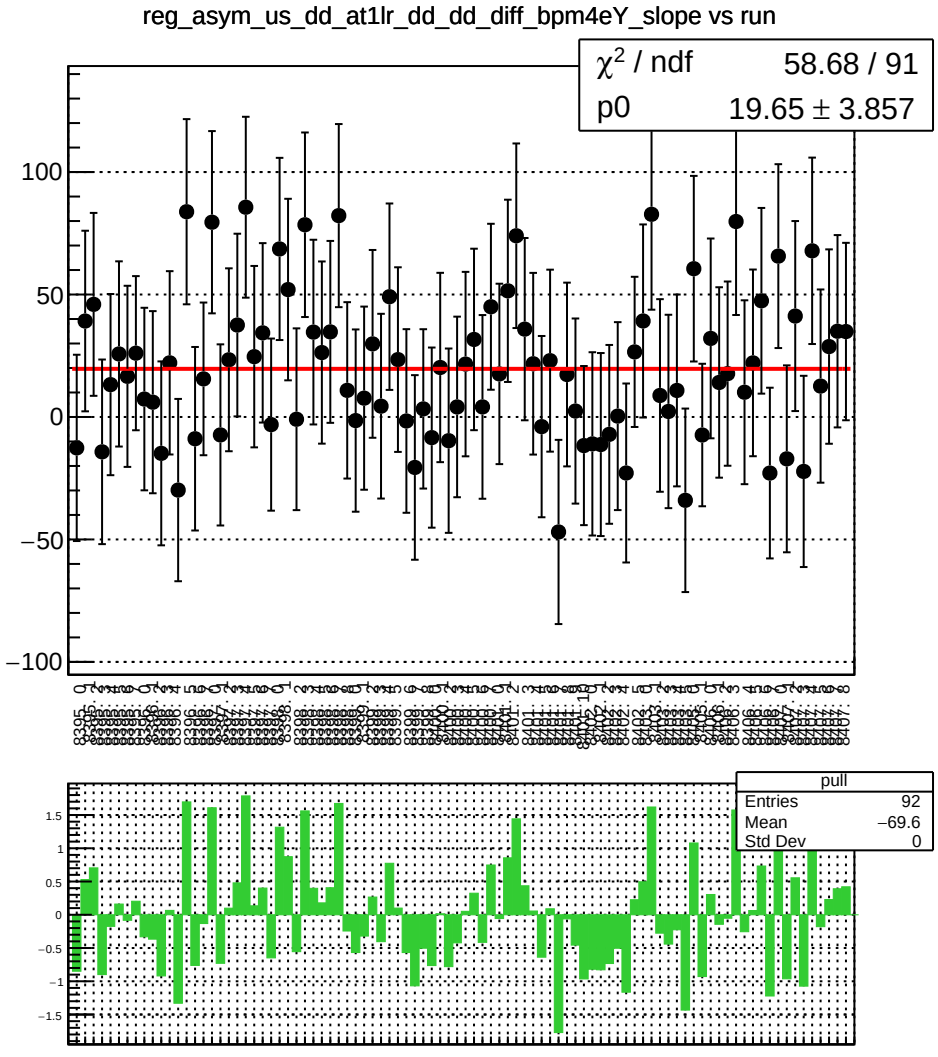

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 77.72 / 91
p0 30.66 ± 0.2802
pull
Entries 92
Mean 69.9
Std Dev 0
pull1D
Entries 92
Mean 0.003467
Std Dev 0.9191

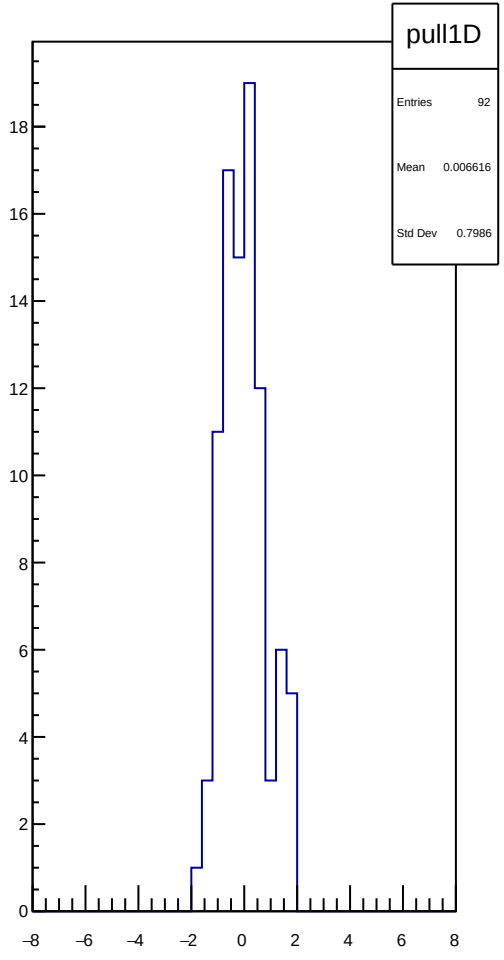

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 56.84 / 91
p0 −53.64 ± 2.027
pull
Entries 92
Mean −330.4
Std Dev 0
pull1D
Entries 92
Mean 0.002192
Std Dev 0.7861

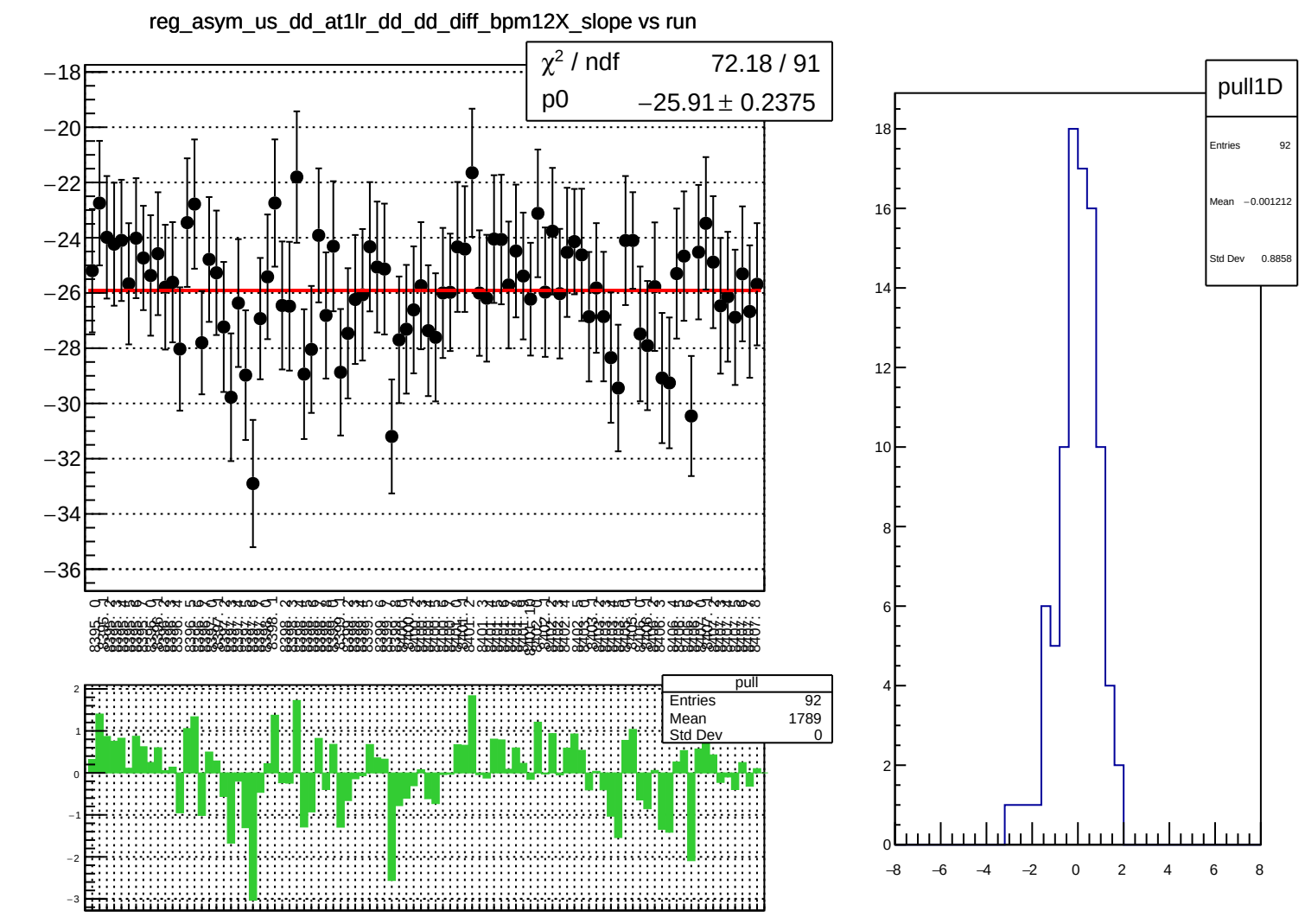

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.65 / 91
p0 −6.605 ± 3.69
pull
Entries 92
Mean −105.5
Std Dev 0
pull1D
Entries 92
Mean −0.006181
Std Dev 0.8052

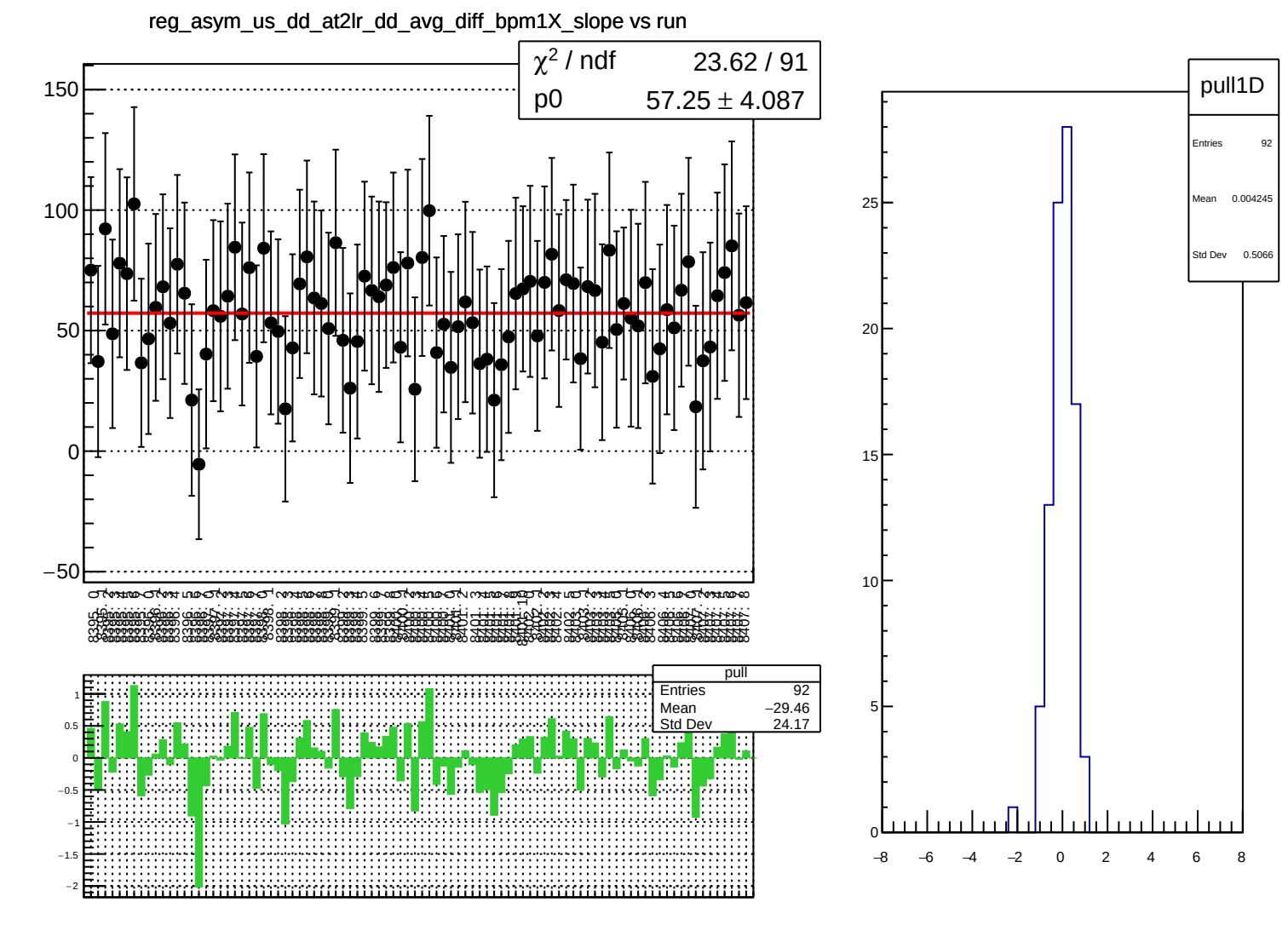

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.68 / 91
p0 −54.32 ± 2.265
pull
Entries 92
Mean −547.9
Std Dev 0

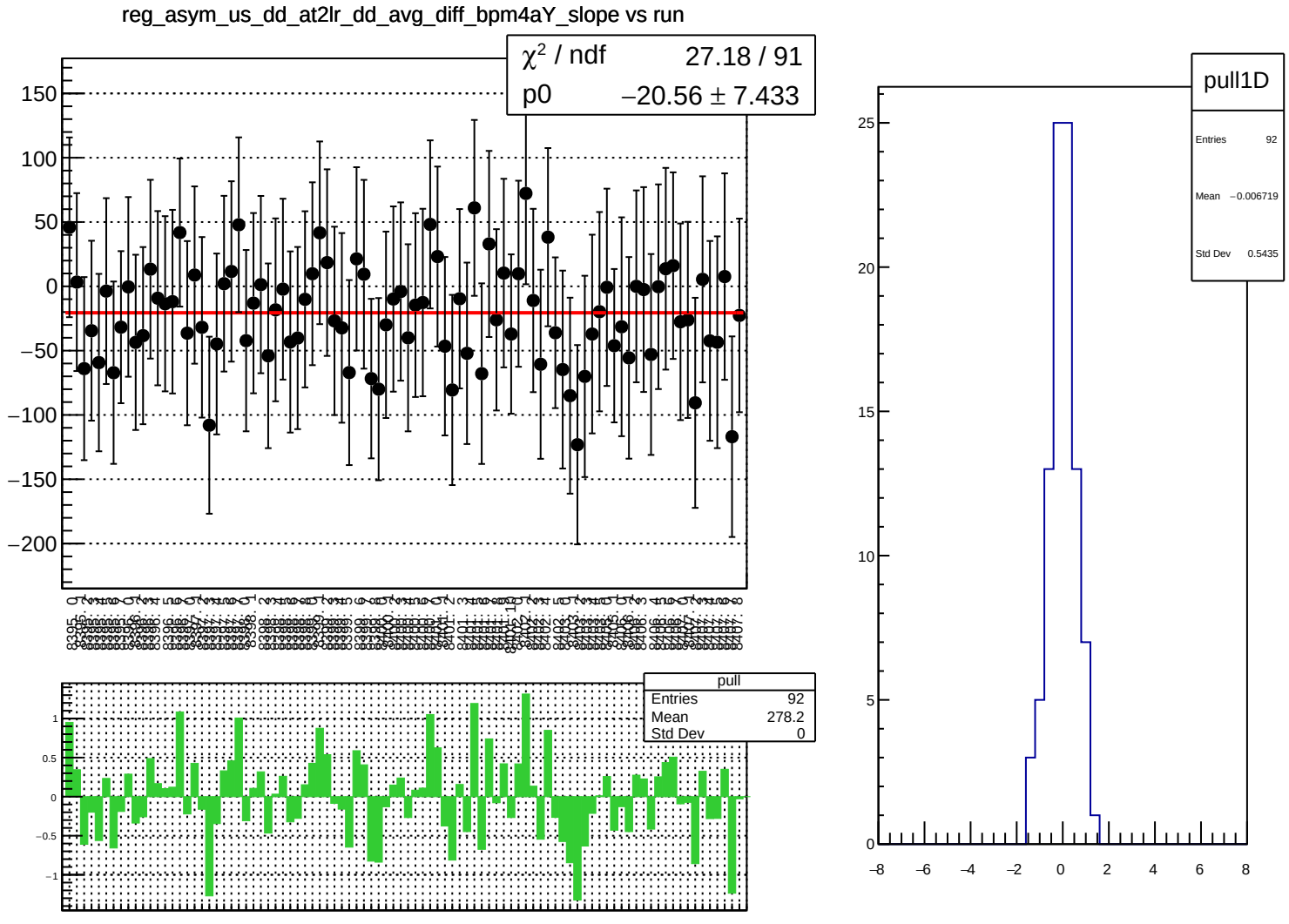

pull1D
Entries 92
Mean −0.00184
Std Dev 0.7918

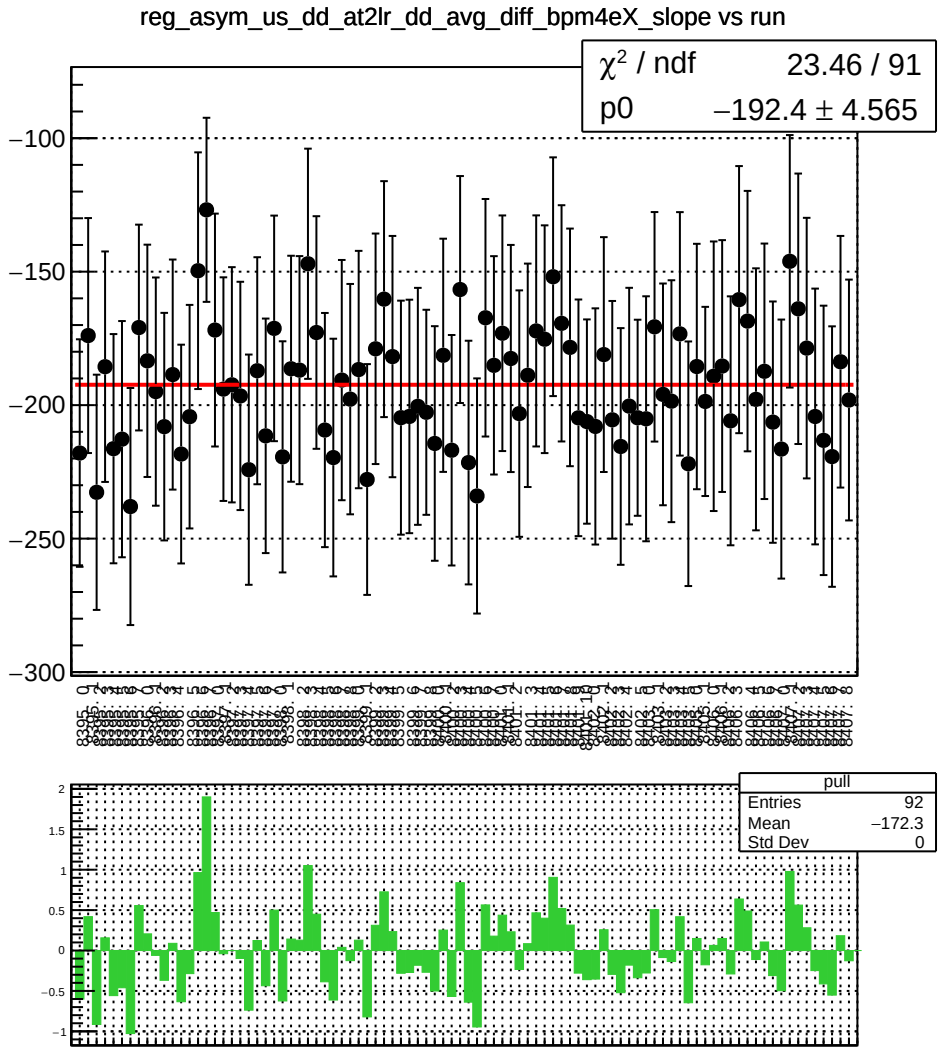

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.68 / 91
p0 19.65 ± 3.857
100
50
0
−50
−100
pull
Entries 92
Mean −69.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

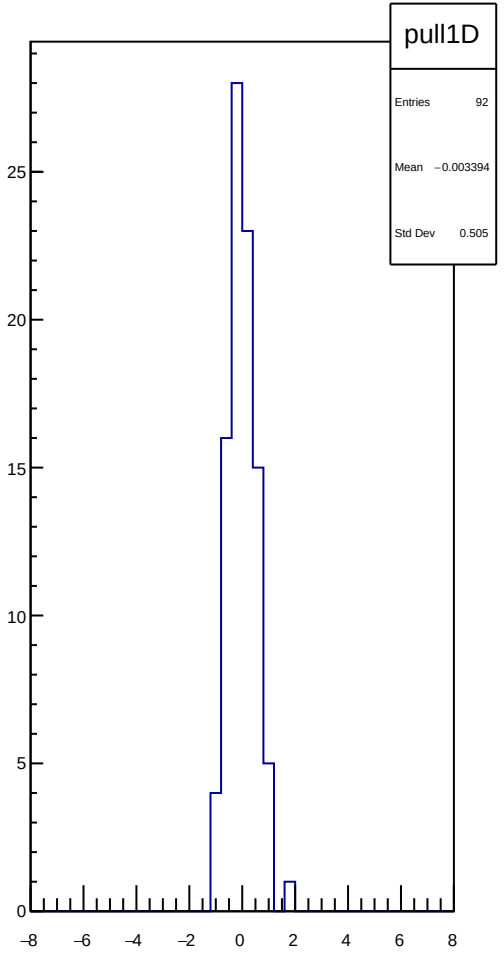

pull1D
Entries 92
Mean 0.006616
Std Dev 0.7986
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

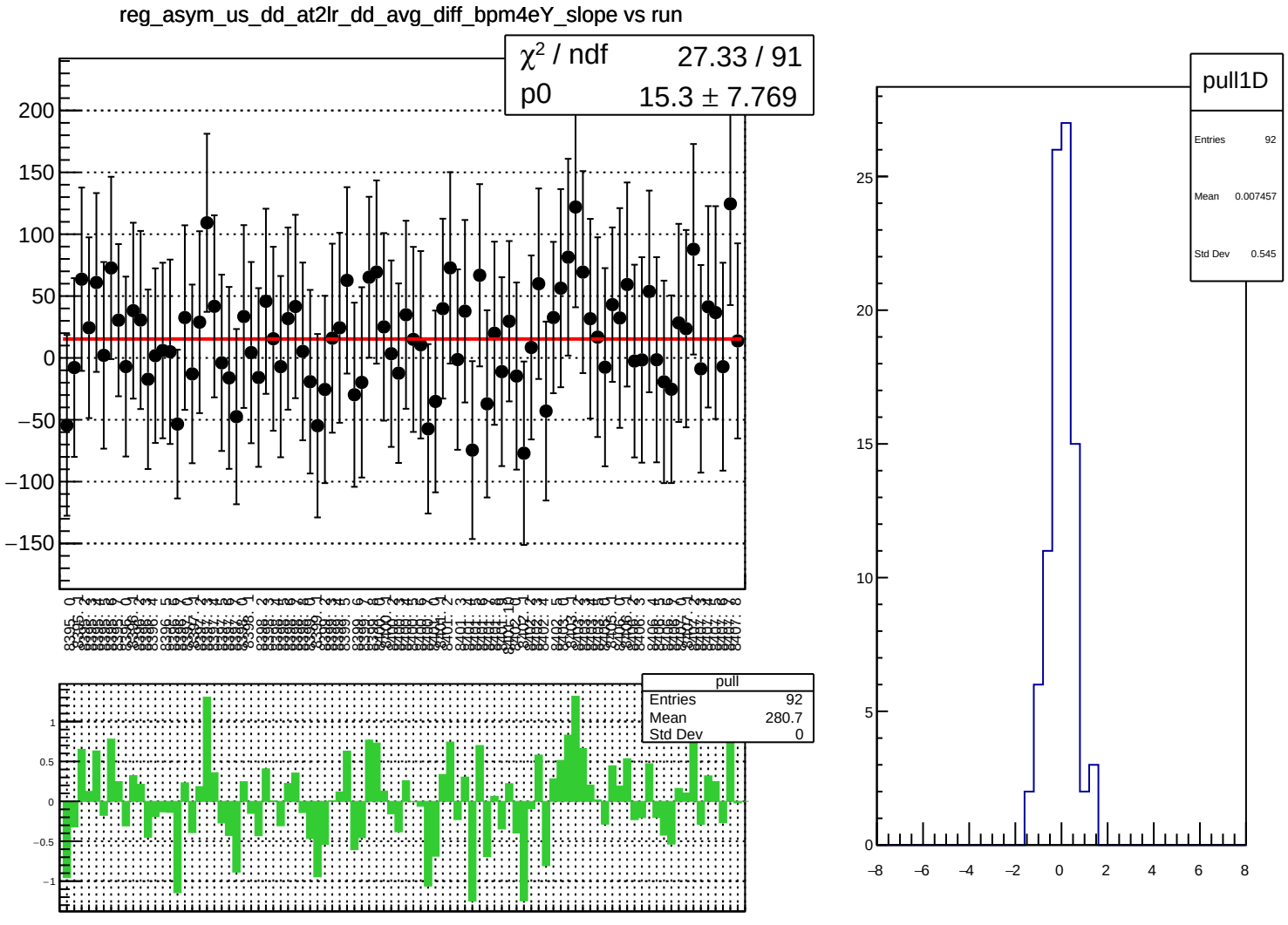

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 72.18 / 91
p0 −25.91 ± 0.2375
pull
Entries 92
Mean 1789
Std Dev 0
pull1D
Entries 92
Mean −0.001212
Std Dev 0.8858

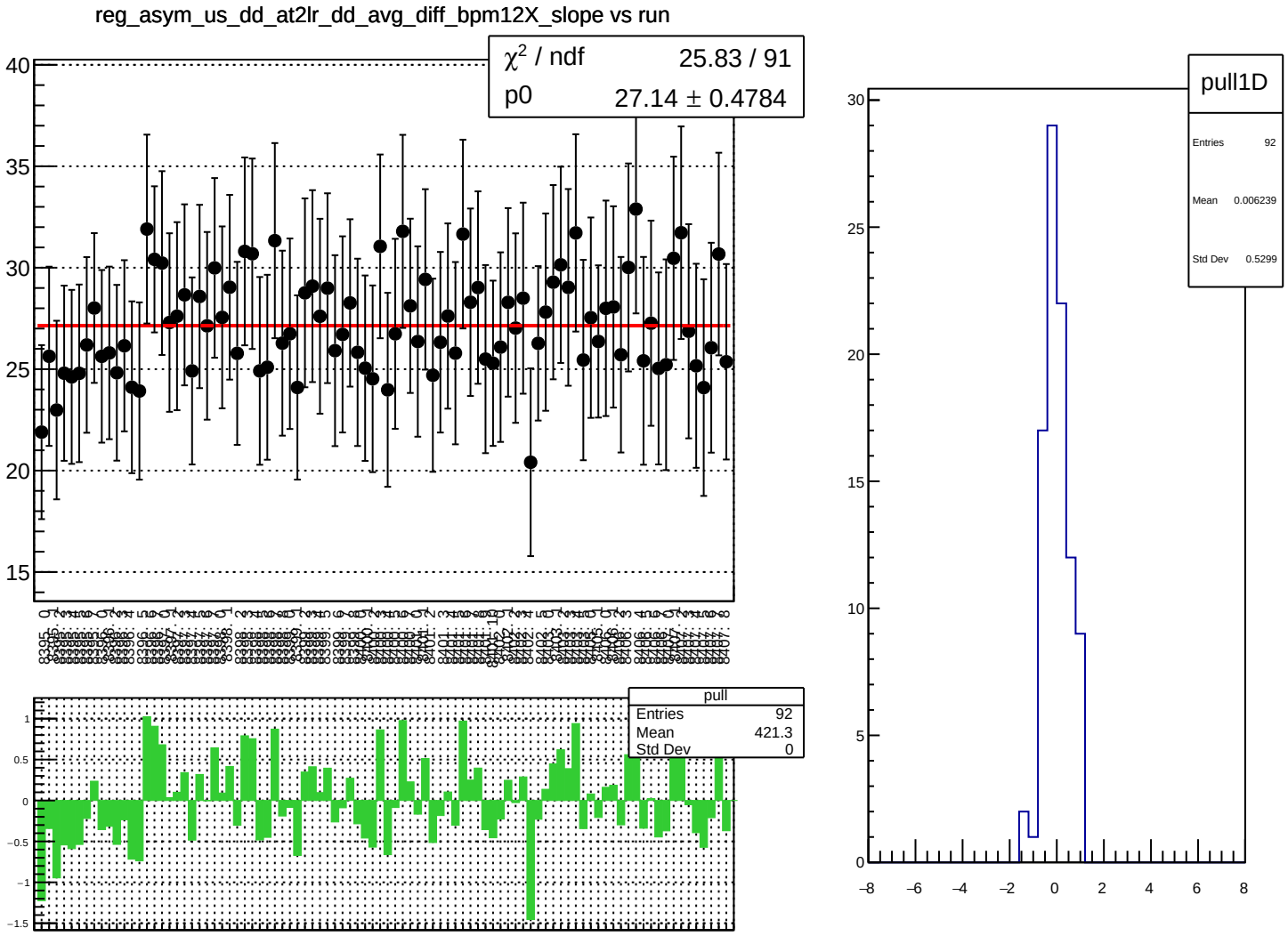

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 23.62 / 91
p0 57.25 ± 4.087
150
100
50
0
−50
pull
Entries 92
Mean −29.46
Std Dev 24.17
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean 0.004245
Std Dev 0.5066
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

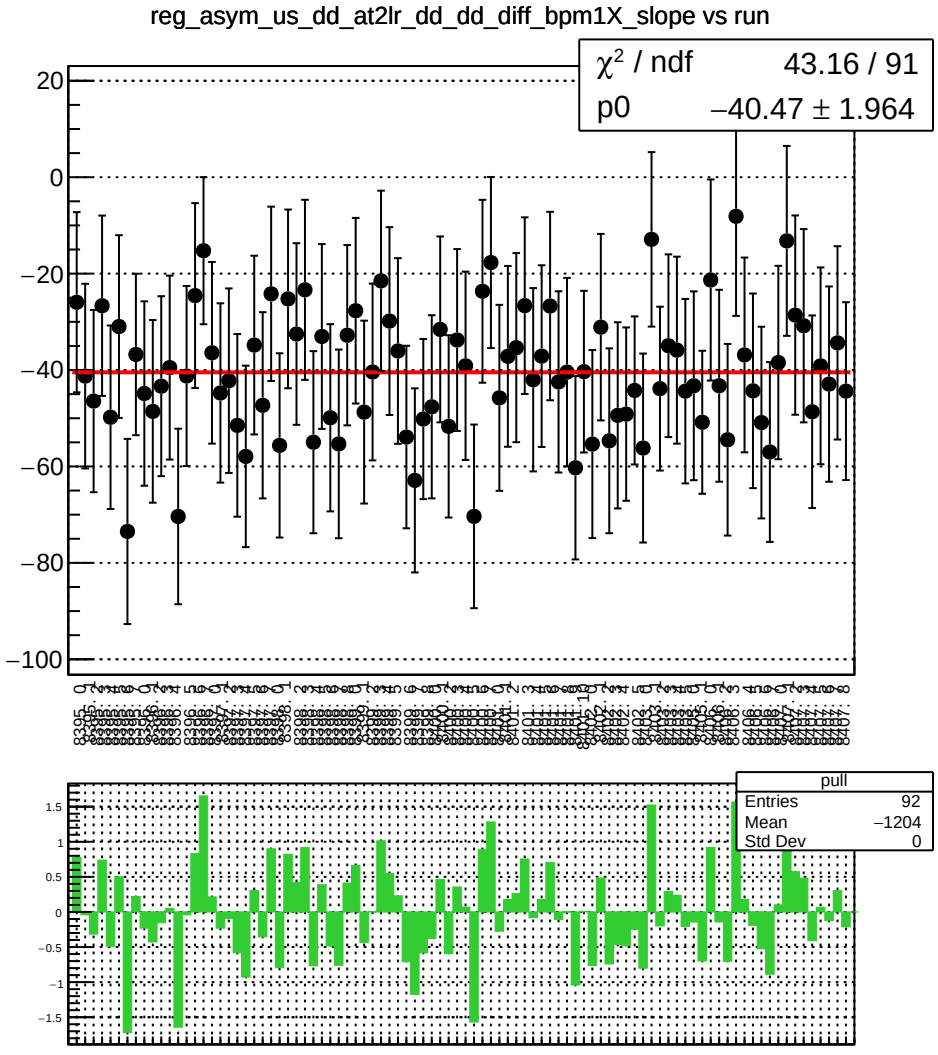

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.18 / 91
p0 −20.56 ± 7.433
150
100
50
0
−50
−100
−150
−200
pull
Entries 92
Mean 278.2
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean −0.006719
Std Dev 0.5435
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

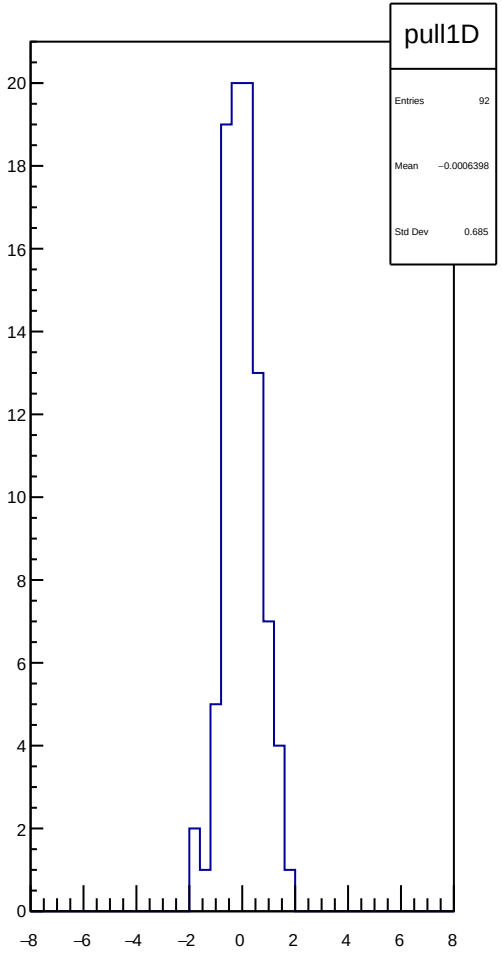

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.46 / 91
p0 −192.4 ± 4.565
−100
−150
−200
−250
−300
pull
Entries 92
Mean −172.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

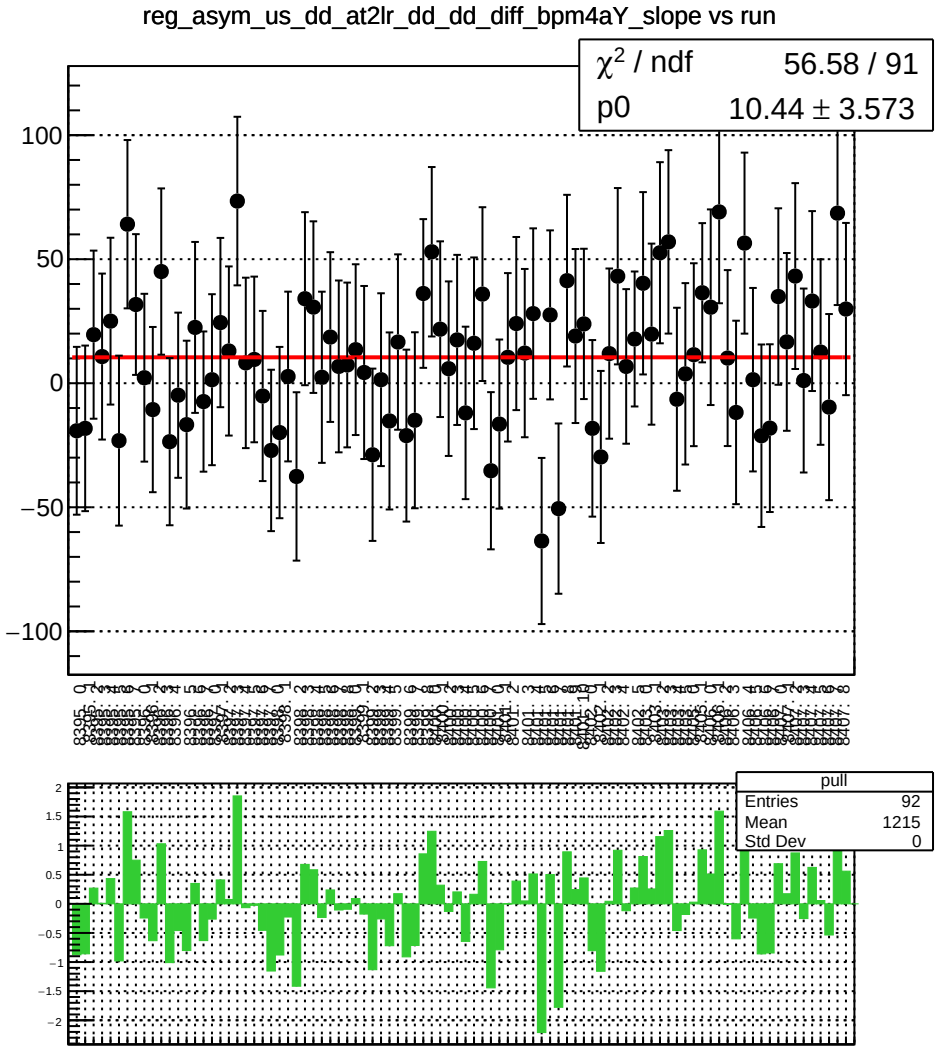

pull1D
Entries 92
Mean −0.003394
Std Dev 0.505
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

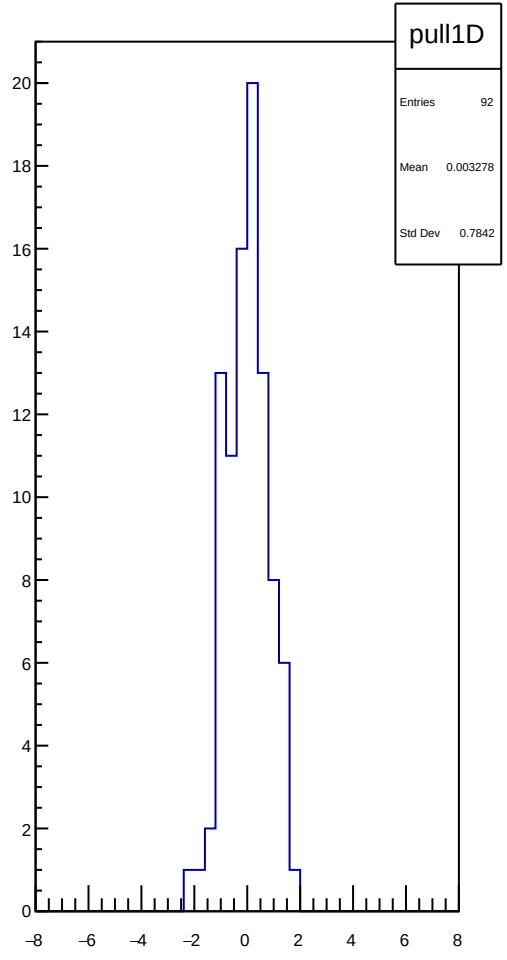

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.33 / 91
p0 15.3 ± 7.769
pull
Entries 92
Mean 280.7
Std Dev 0
pull1D
Entries 92
Mean 0.007457
Std Dev 0.545

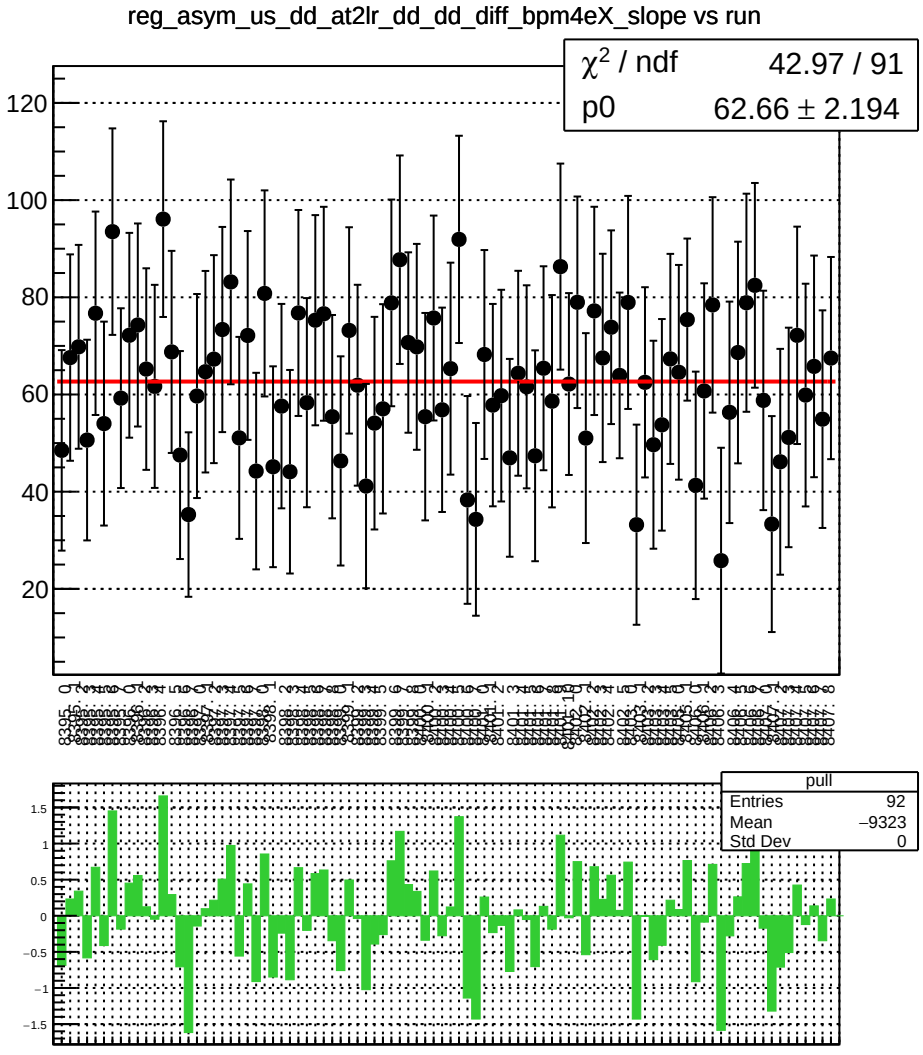

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 25.83 / 91
p0 27.14 ± 0.4784
pull
Entries 92
Mean 421.3
Std Dev 0
pull1D
Entries 92
Mean 0.006239
Std Dev 0.5299

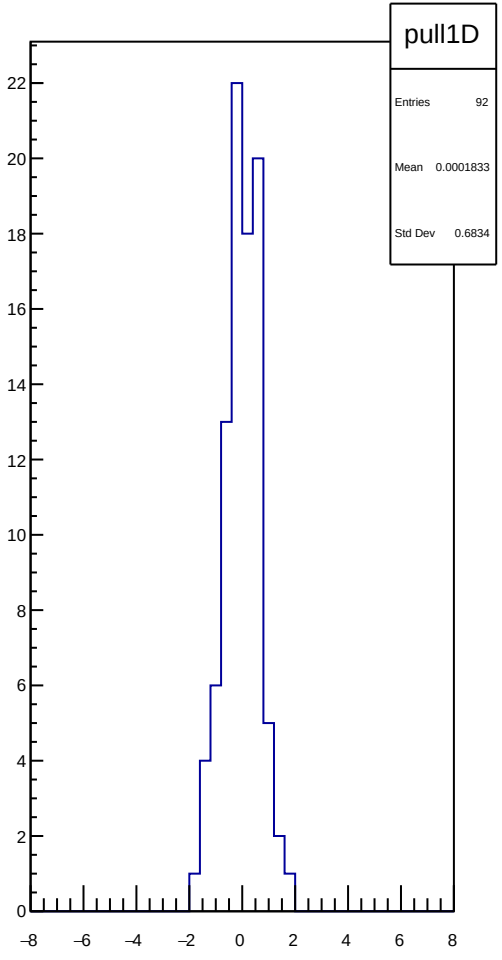

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 43.16 / 91
p0 −40.47 ± 1.964
pull
Entries 92
Mean −1204
Std Dev 0

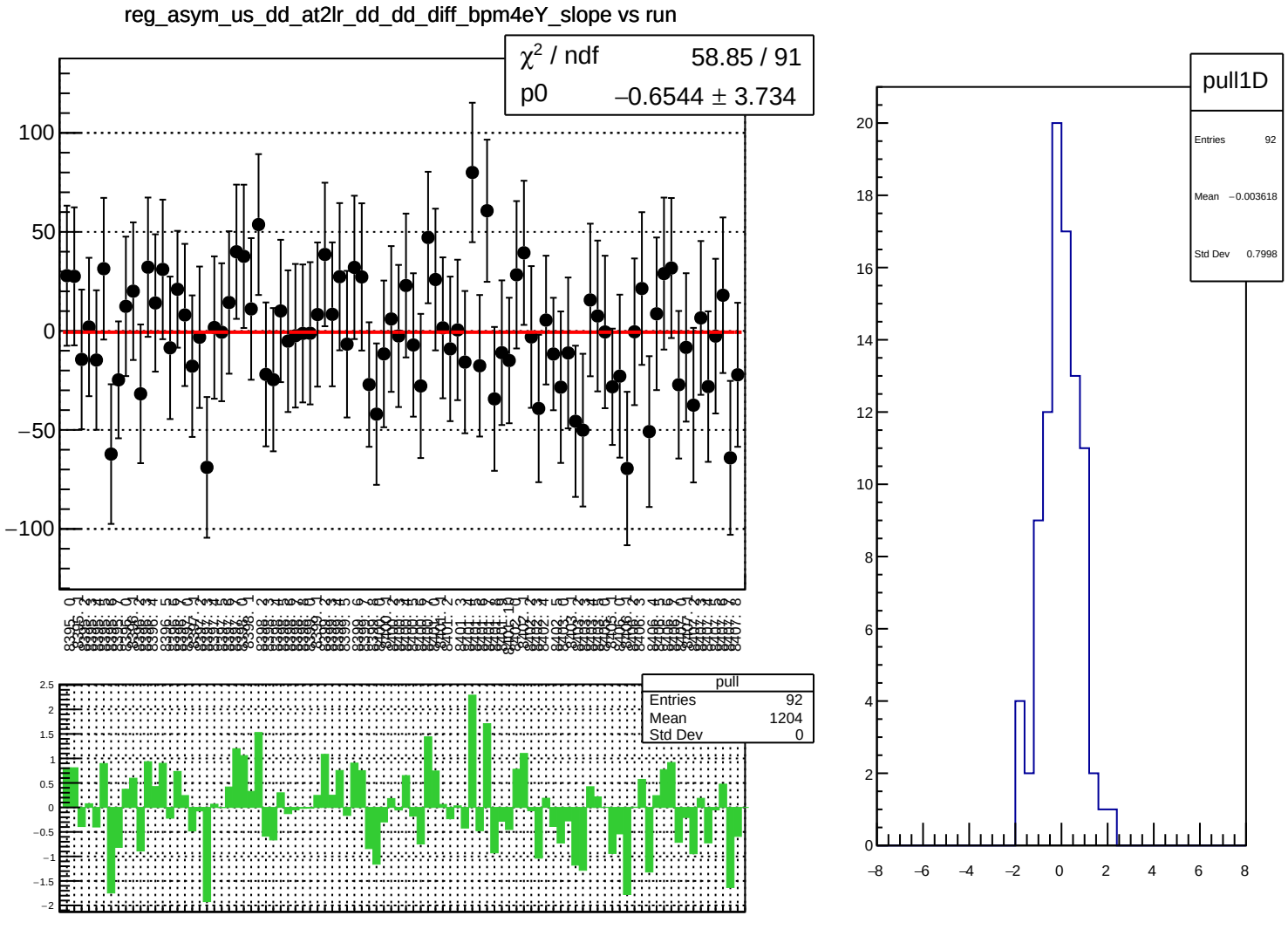

pull1D
Entries 92
Mean −0.0006398
Std Dev 0.685

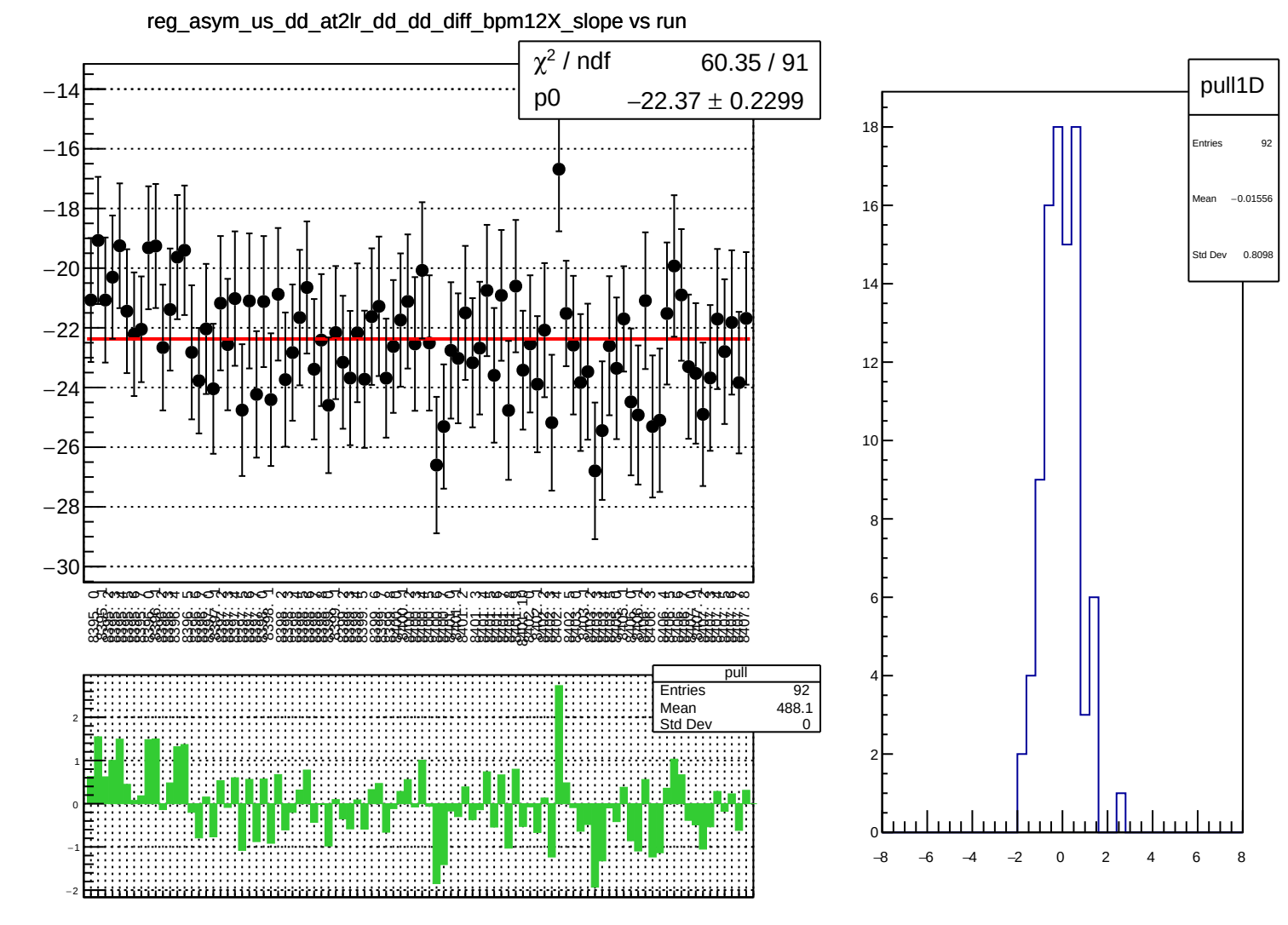

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.58 / 91
p0 10.44 ± 3.573
pull
Entries 92
Mean 1215
Std Dev 0

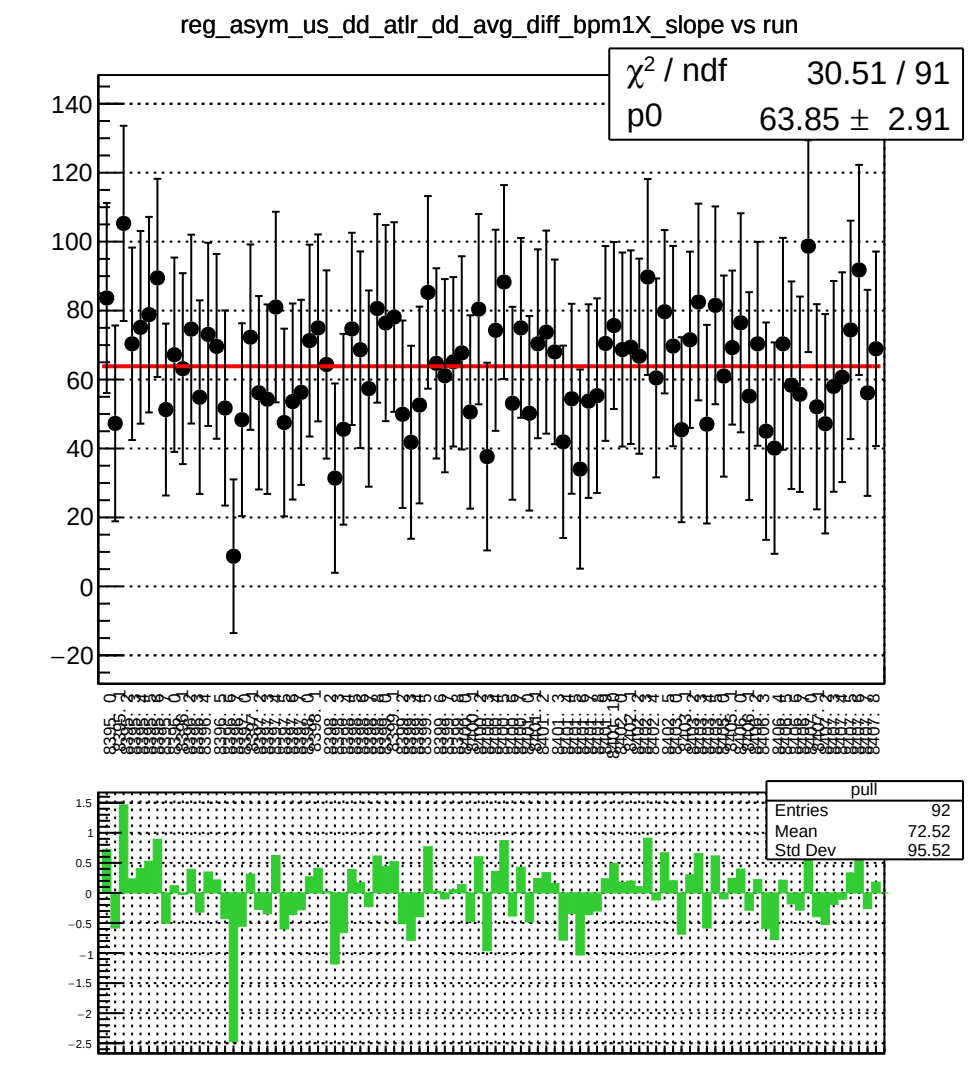

pull1D
Entries 92
Mean 0.003278
Std Dev 0.7842

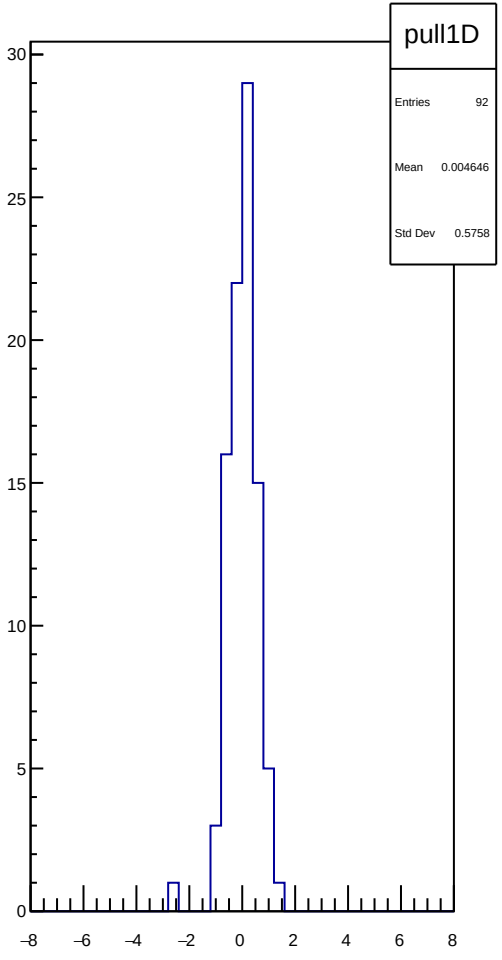

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.97 / 91
p0 62.66 ± 2.194
pull
Entries 92
Mean −9323
Std Dev 0

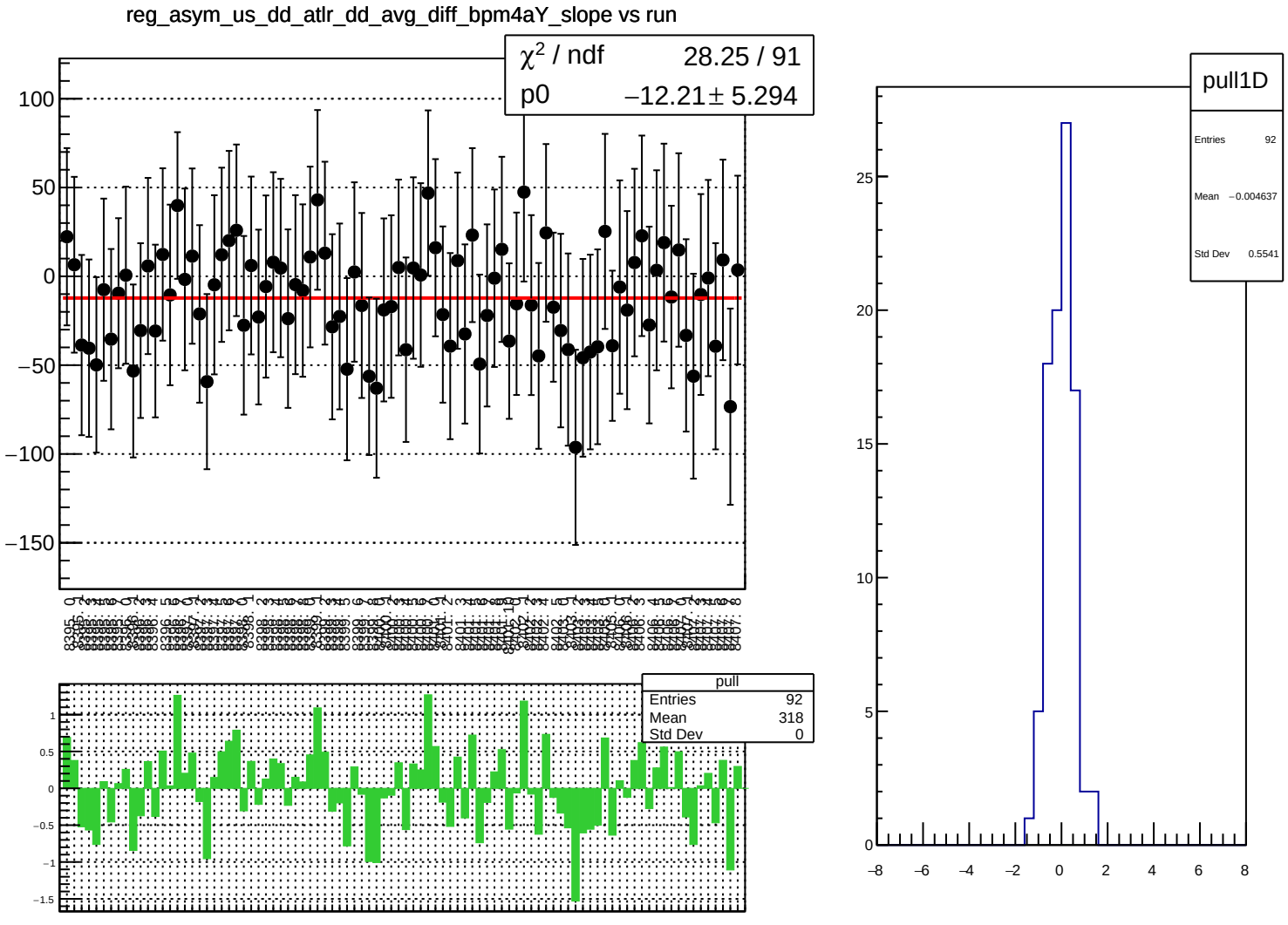

pull1D
Entries 92
Mean 0.0001833
Std Dev 0.6834

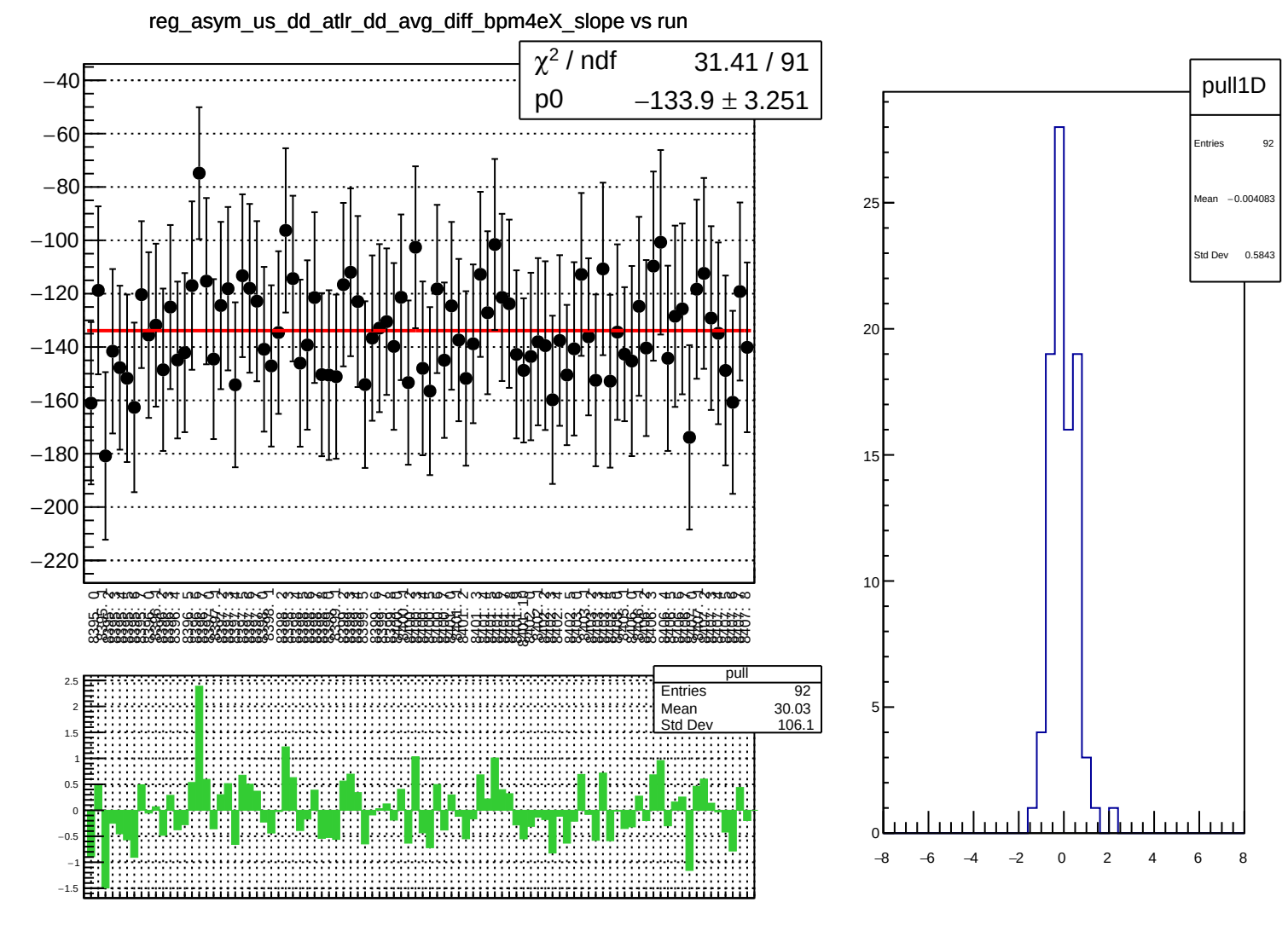

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.85 / 91
p0 −0.6544 ± 3.734
100
50
0
−50
−100
pull
Entries 92
Mean 1204
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 92
Mean −0.003618
Std Dev 0.7998
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

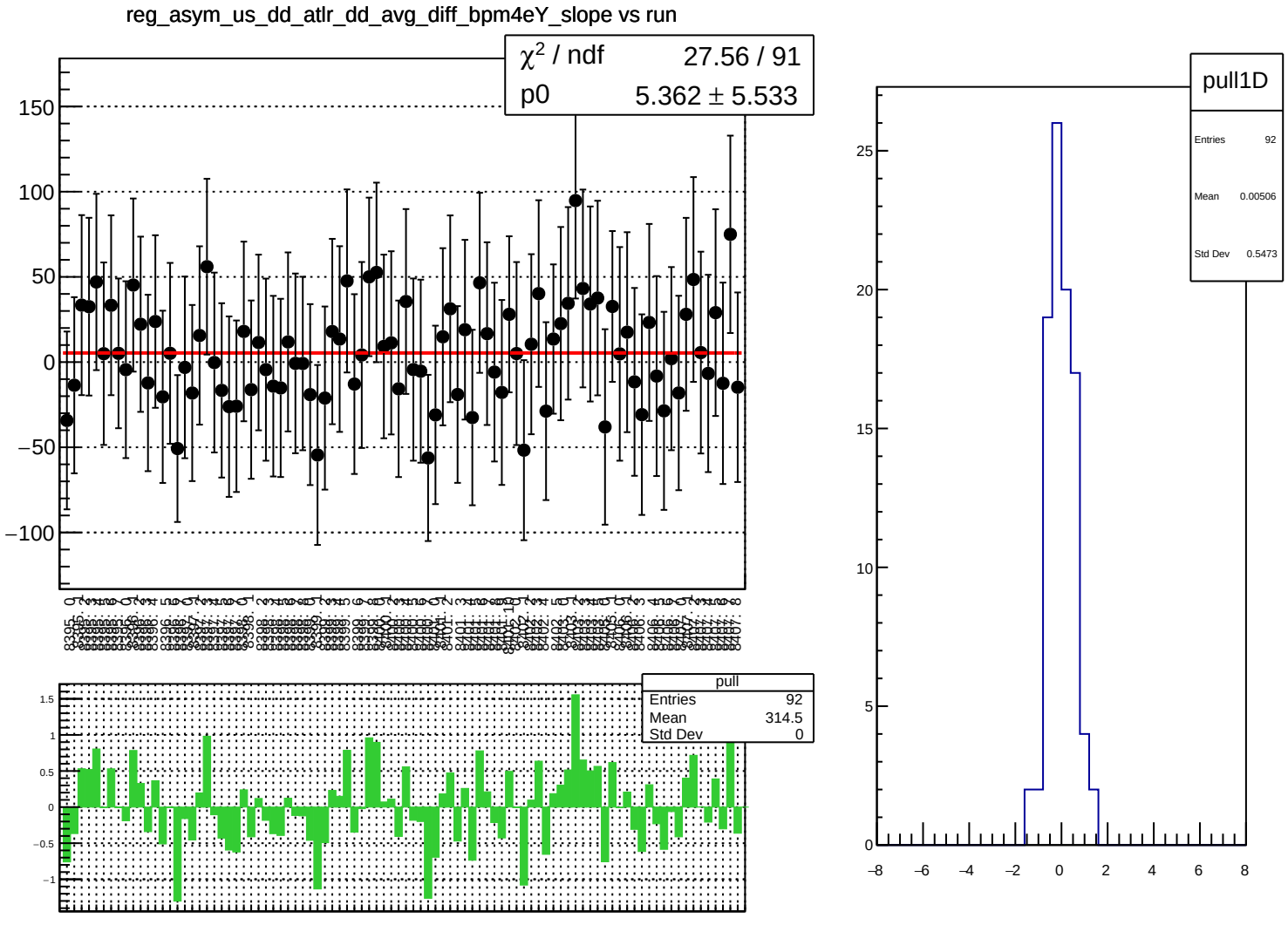

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 60.35 / 91
p0 −22.37 ± 0.2299
pull
Entries 92
Mean 488.1
Std Dev 0
pull1D
Entries 92
Mean −0.01556
Std Dev 0.8098

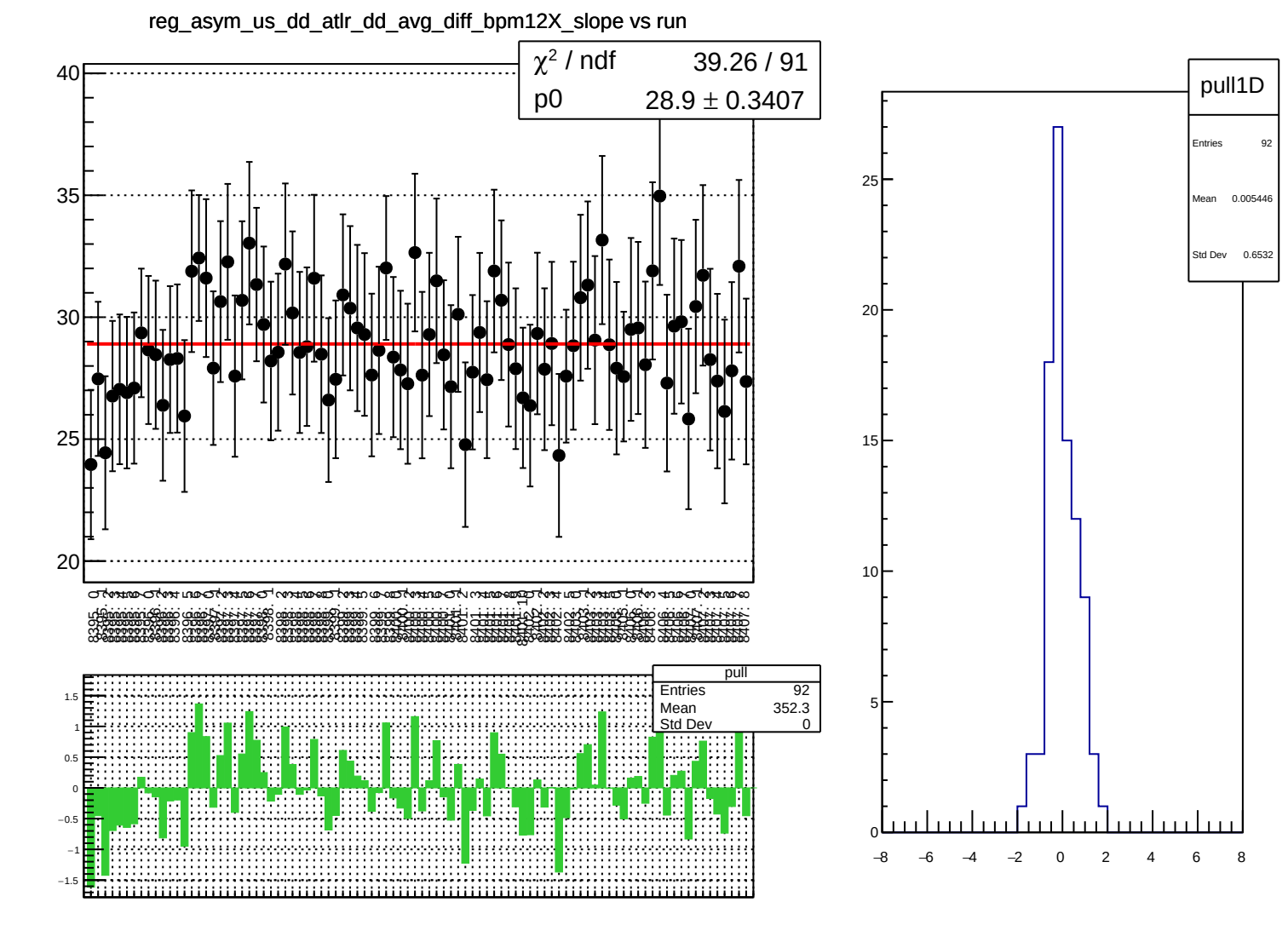

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 30.51 / 91
p0 63.85 ± 2.91
pull
Entries 92
Mean 72.52
Std Dev 95.52

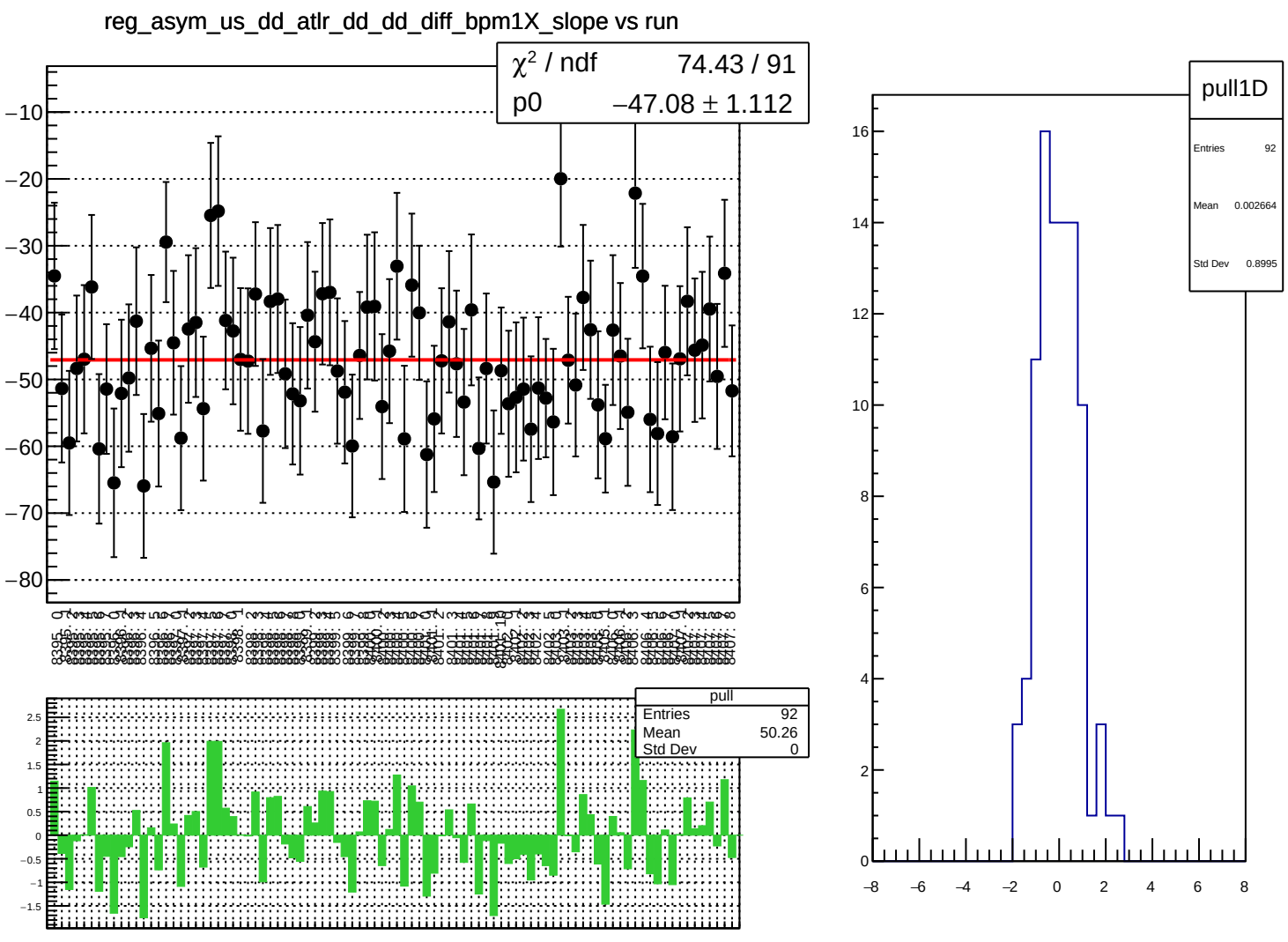

pull1D
Entries 92
Mean 0.004646
Std Dev 0.5758

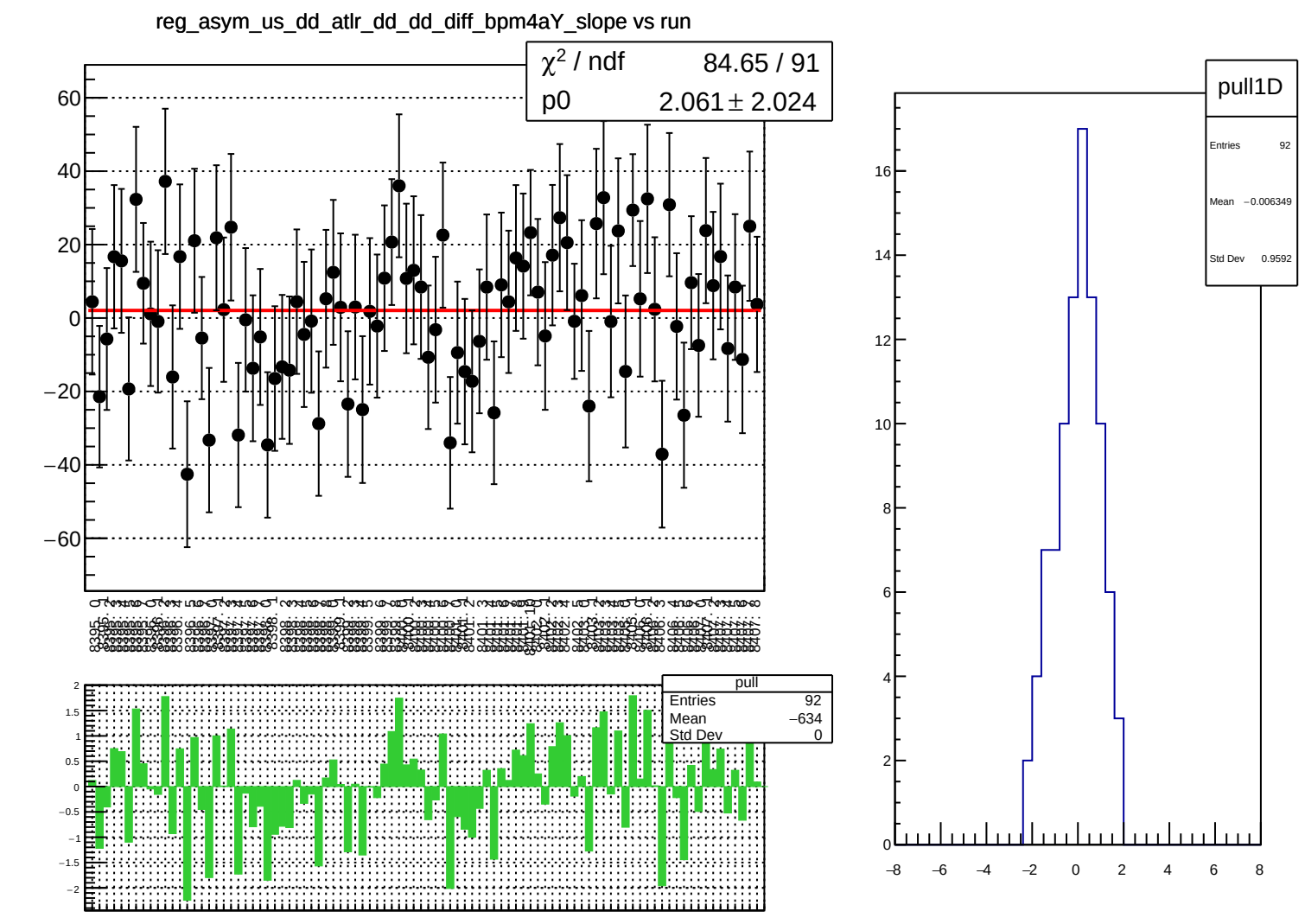

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.25 / 91
p0 −12.21 ± 5.294
100
50
0
−50
−100
−150
pull
Entries 92
Mean 318
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 92
Mean −0.004637
Std Dev 0.5541
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

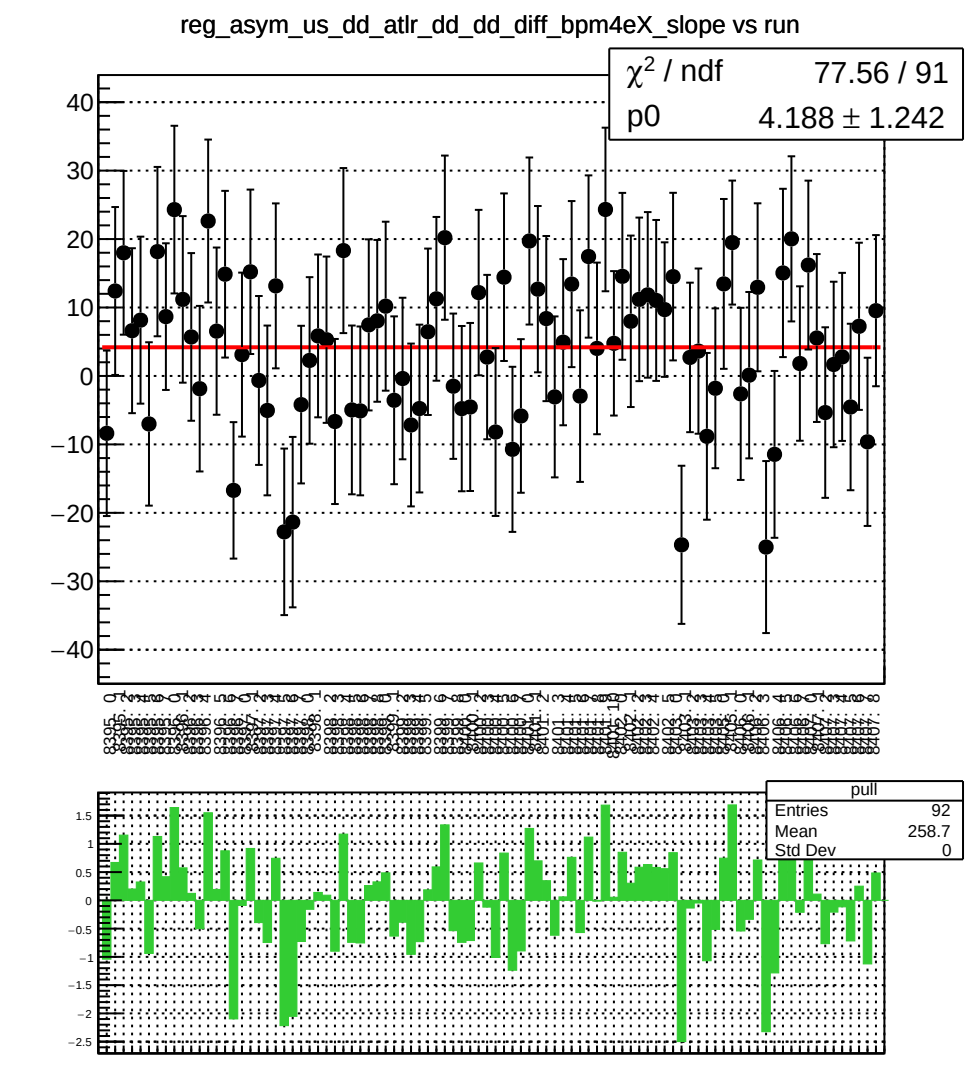

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.41 / 91
p0 −133.9 ± 3.251
pull
Entries 92
Mean 30.03
Std Dev 106.1
pull1D
Entries 92
Mean −0.004083
Std Dev 0.5843

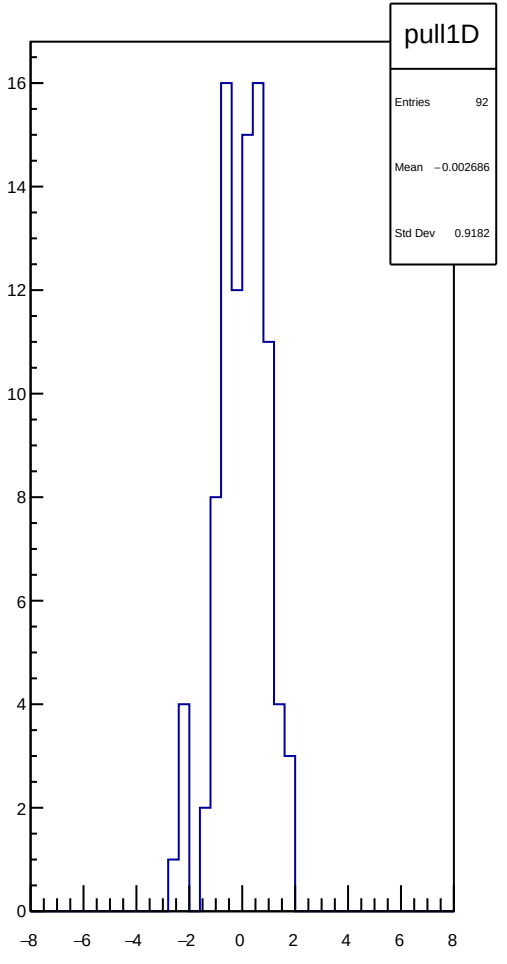

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.56 / 91
p0 5.362 ± 5.533
150
100
50
0
−50
−100
pull
Entries 92
Mean 314.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 92
Mean 0.00506
Std Dev 0.5473
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

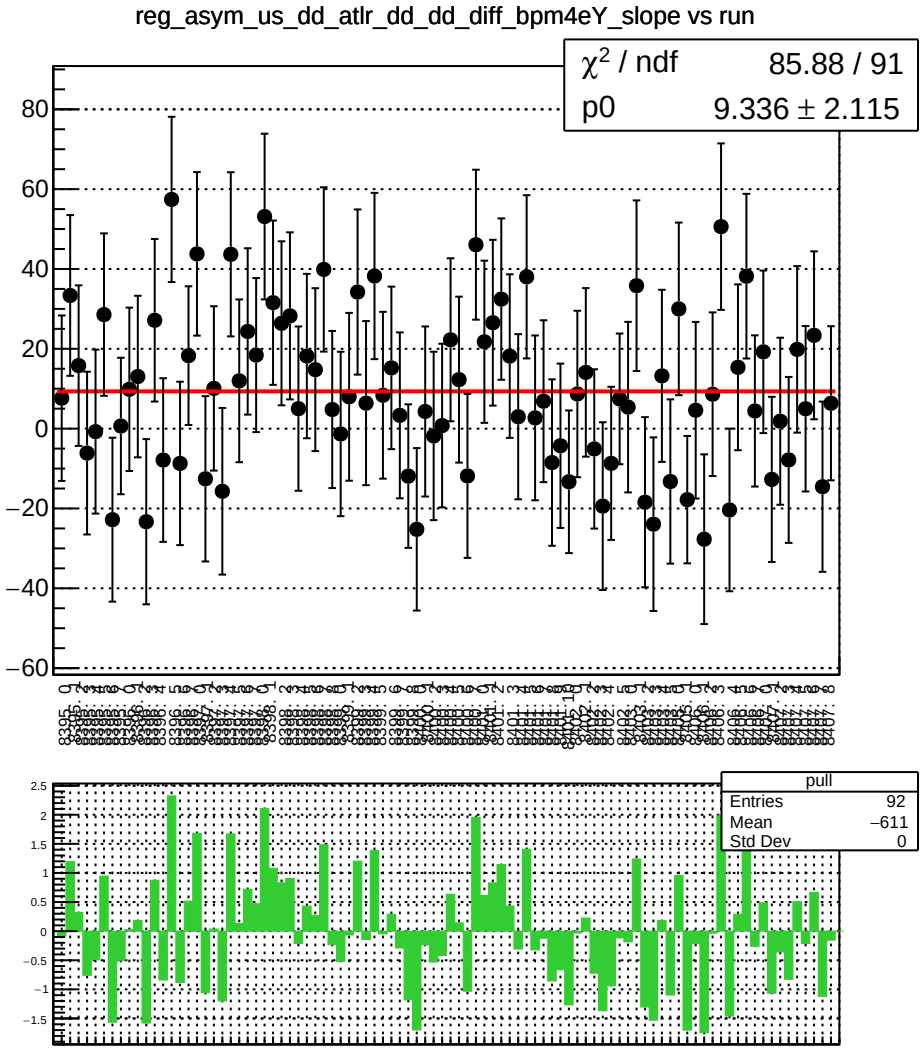

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 39.26 / 91
p0 28.9 ± 0.3407
pull
Entries 92
Mean 352.3
Std Dev 0
pull1D
Entries 92
Mean 0.005446
Std Dev 0.6532

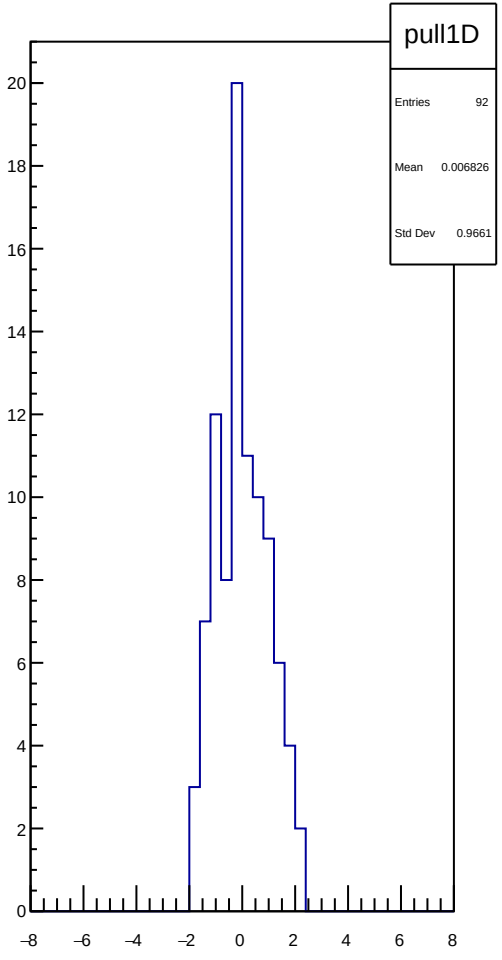

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 74.43 / 91
p0 −47.08 ± 1.112
pull
Entries 92
Mean 50.26
Std Dev 0
pull1D
Entries 92
Mean 0.002664
Std Dev 0.8995

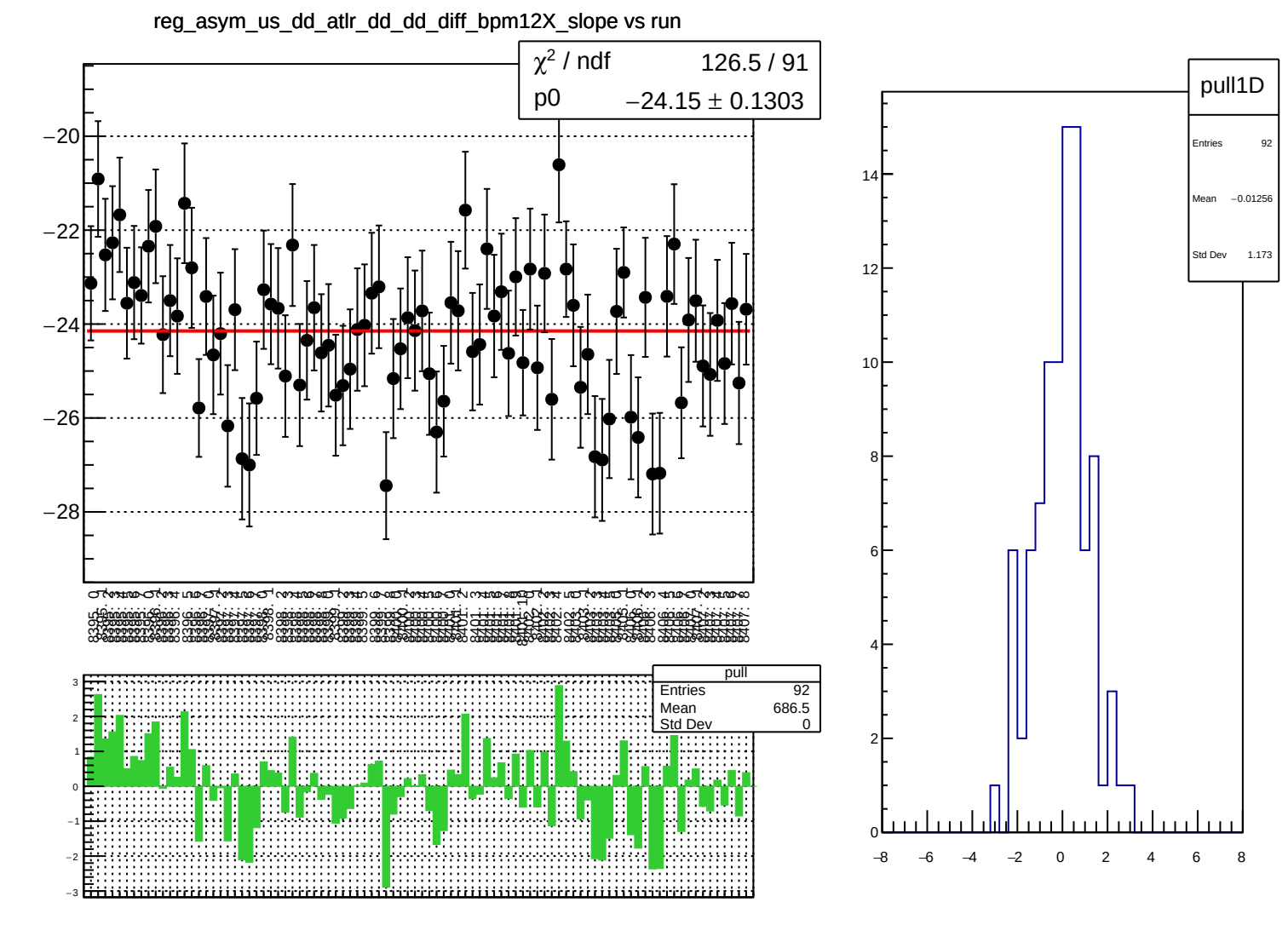

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.65 / 91
p0 2.061 ± 2.024
pull
Entries 92
Mean −634
Std Dev 0
pull1D
Entries 92
Mean −0.006349
Std Dev 0.9592

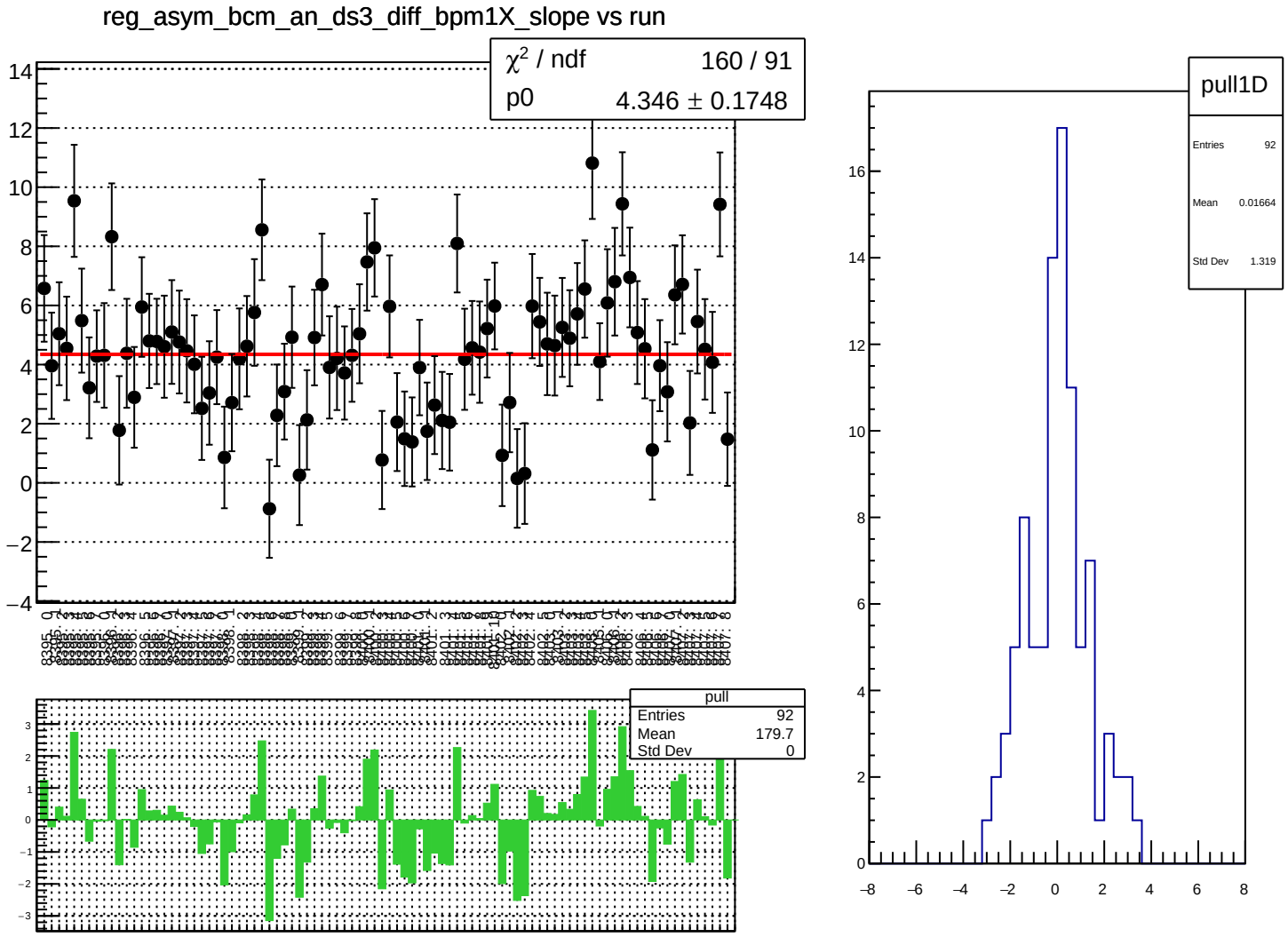

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.56 / 91
p0 4.188 ± 1.242
pull
Entries 92
Mean 258.7
Std Dev 0

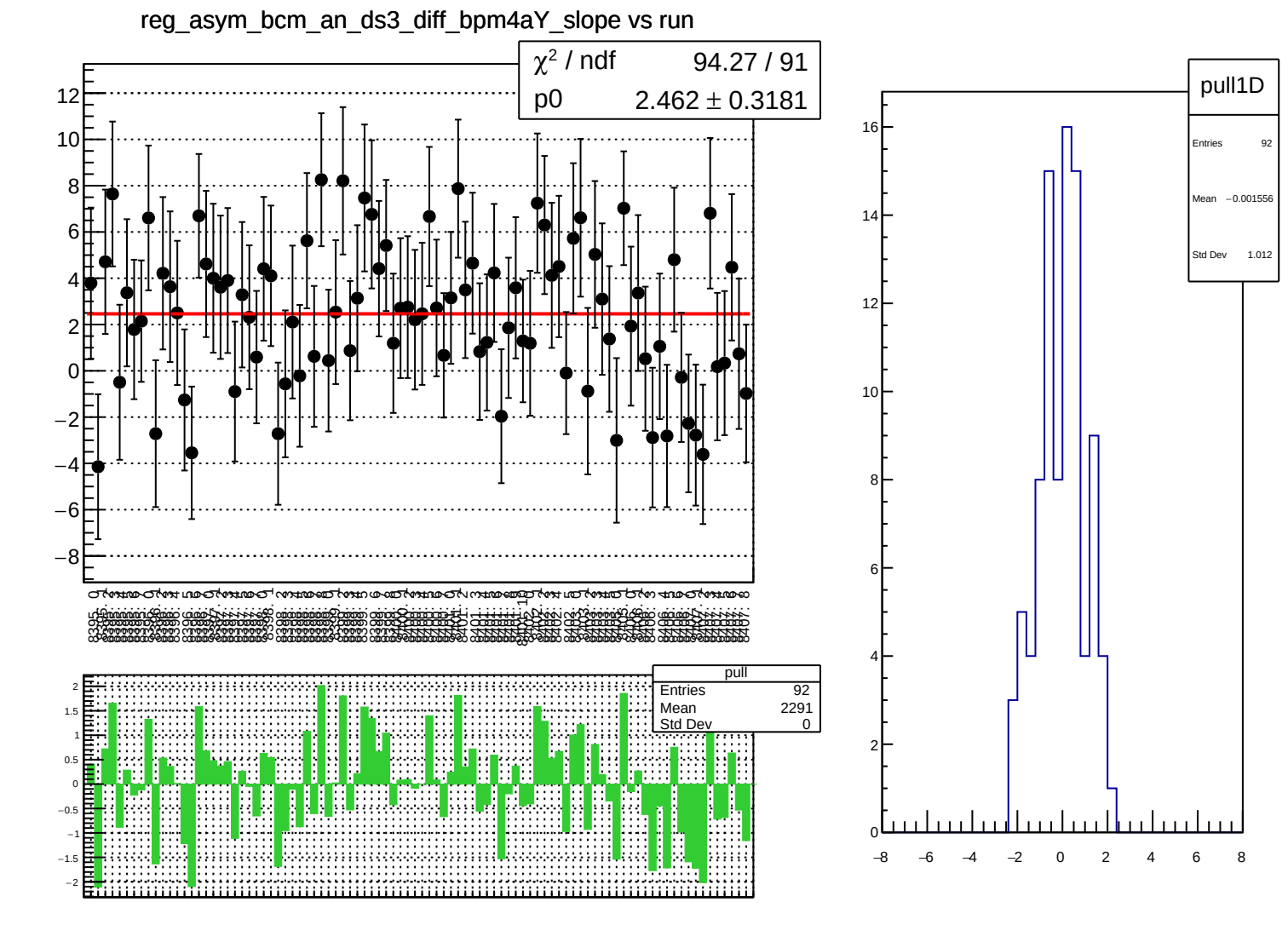

pull1D
Entries 92
Mean −0.002686
Std Dev 0.9182

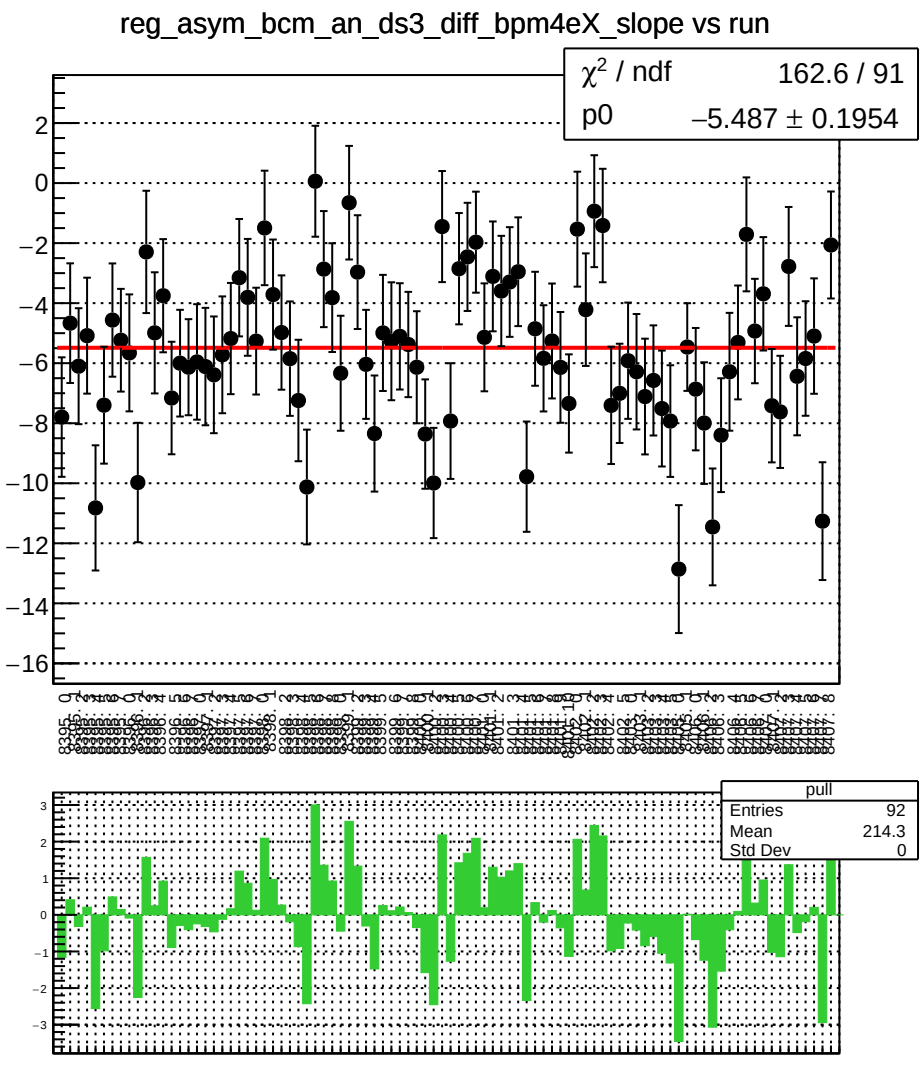

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.88 / 91
p0 9.336 ± 2.115
pull
Entries 92
Mean −611
Std Dev 0

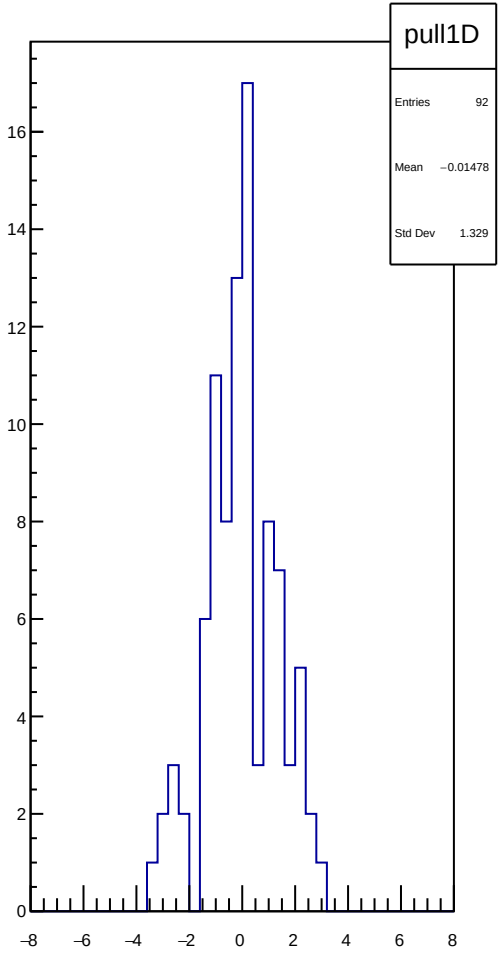

pull1D
Entries 92
Mean 0.006826
Std Dev 0.9661

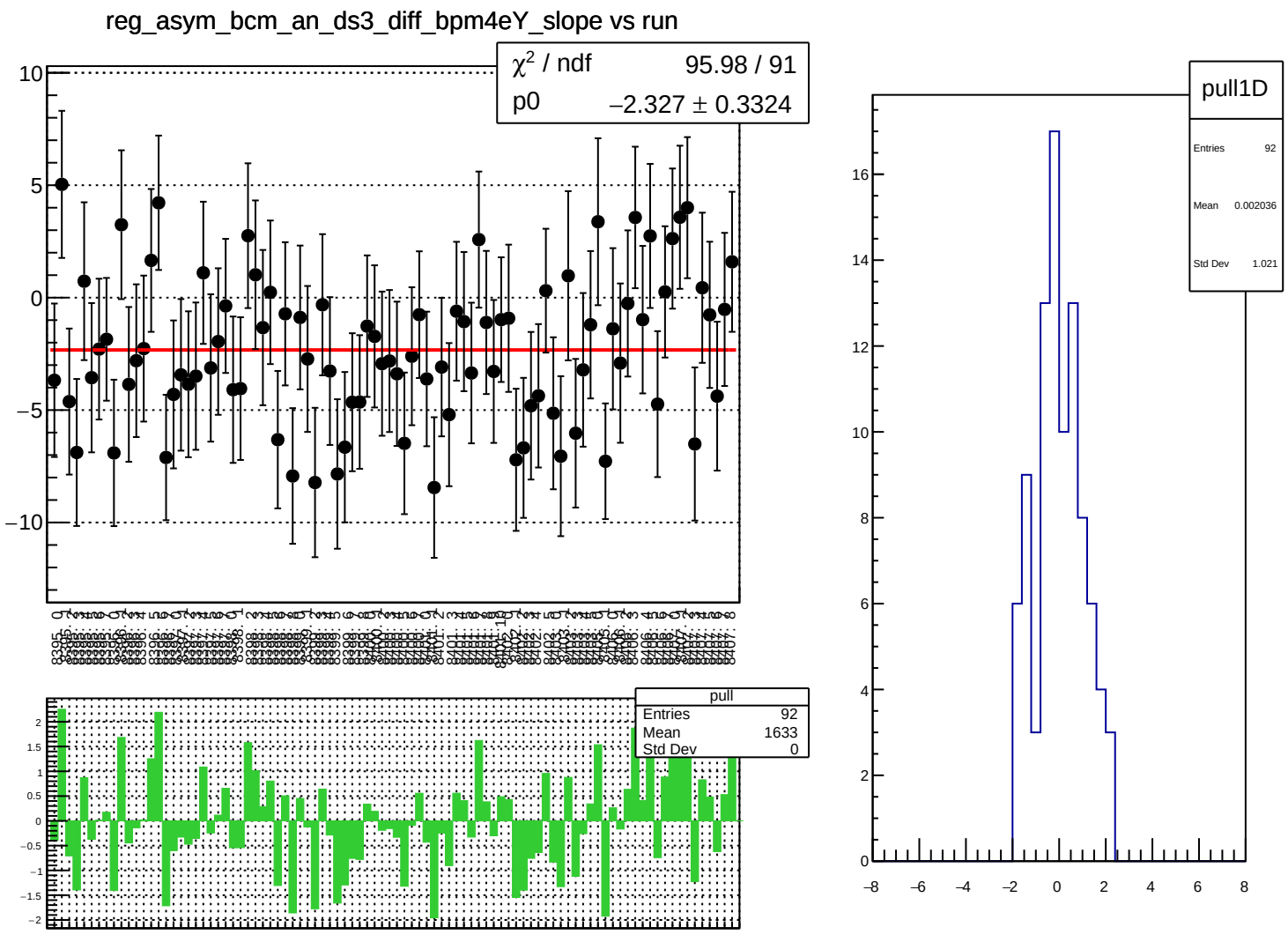

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 126.5 / 91
p0 −24.15 ± 0.1303
pull
Entries 92
Mean 686.5
Std Dev 0
pull1D
Entries 92
Mean −0.01256
Std Dev 1.173

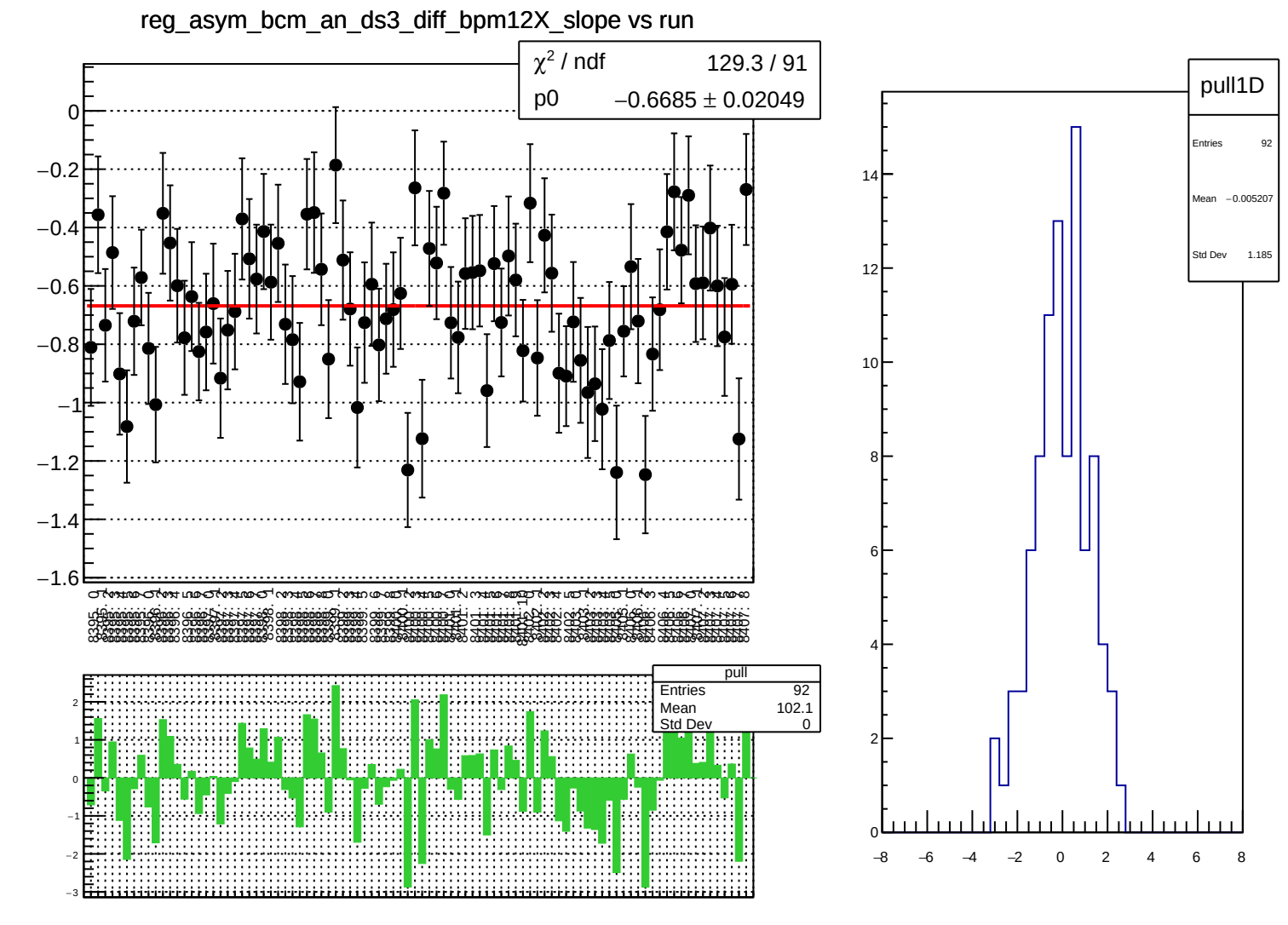

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 160 / 91
p0 4.346 ± 0.1748
pull
Entries 92
Mean 179.7
Std Dev 0
pull1D
Entries 92
Mean 0.01664
Std Dev 1.319

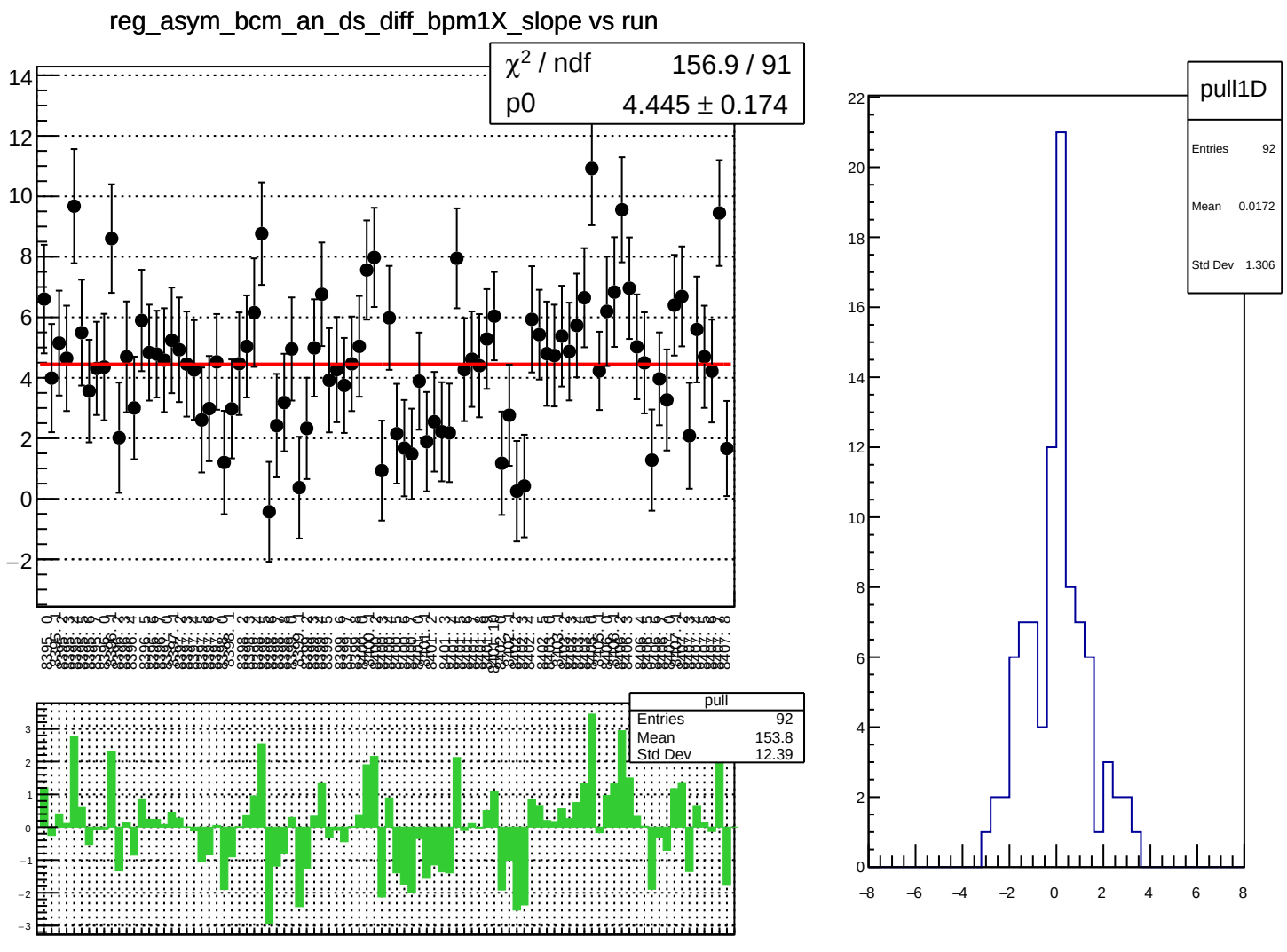

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 94.27 / 91
p0 2.462 ± 0.3181
pull
Entries 92
Mean 2291
Std Dev 0
pull1D
Entries 92
Mean −0.001556
Std Dev 1.012

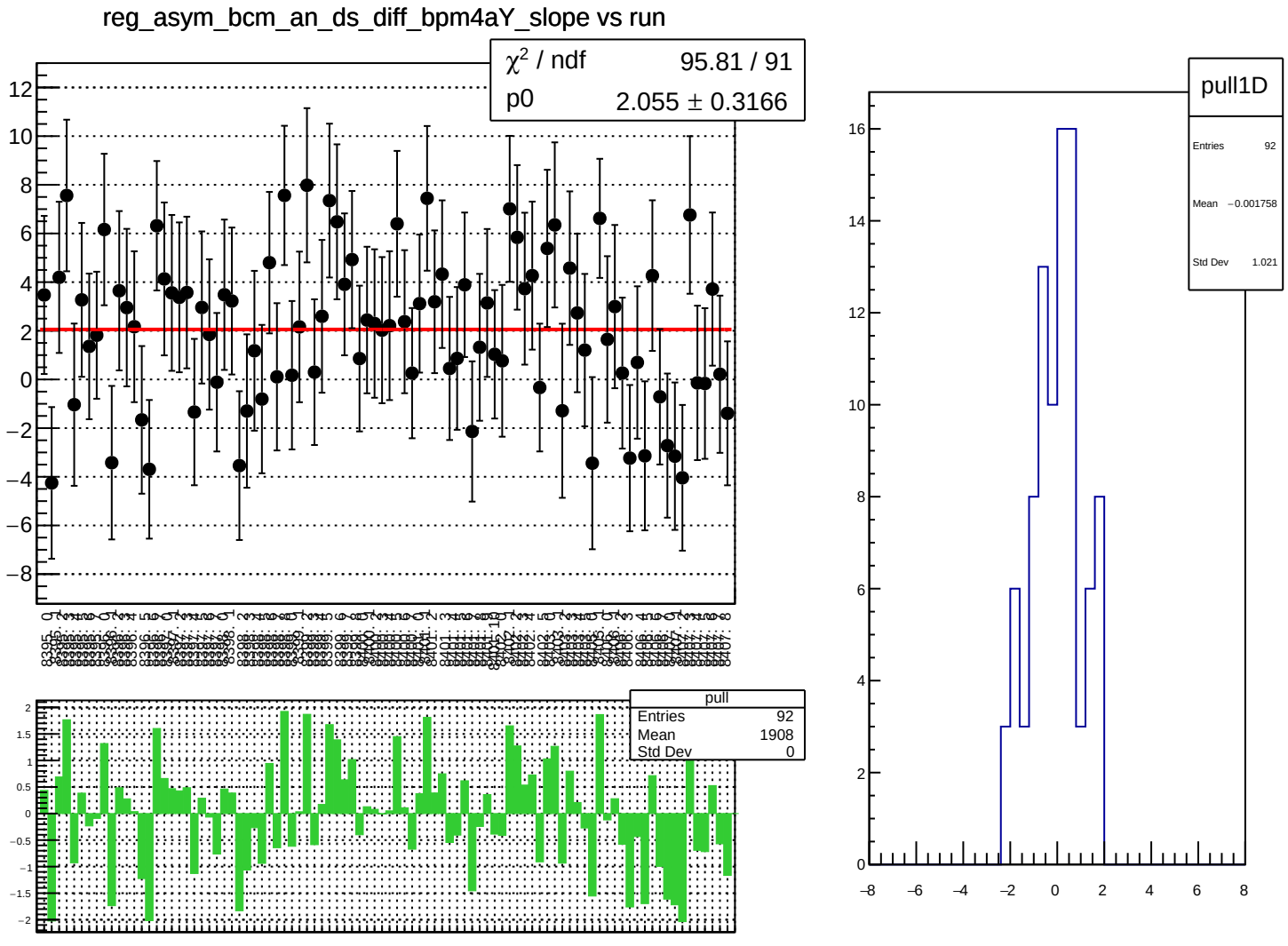

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 162.6 / 91
p0 −5.487 ± 0.1954
pull
Entries 92
Mean 214.3
Std Dev 0

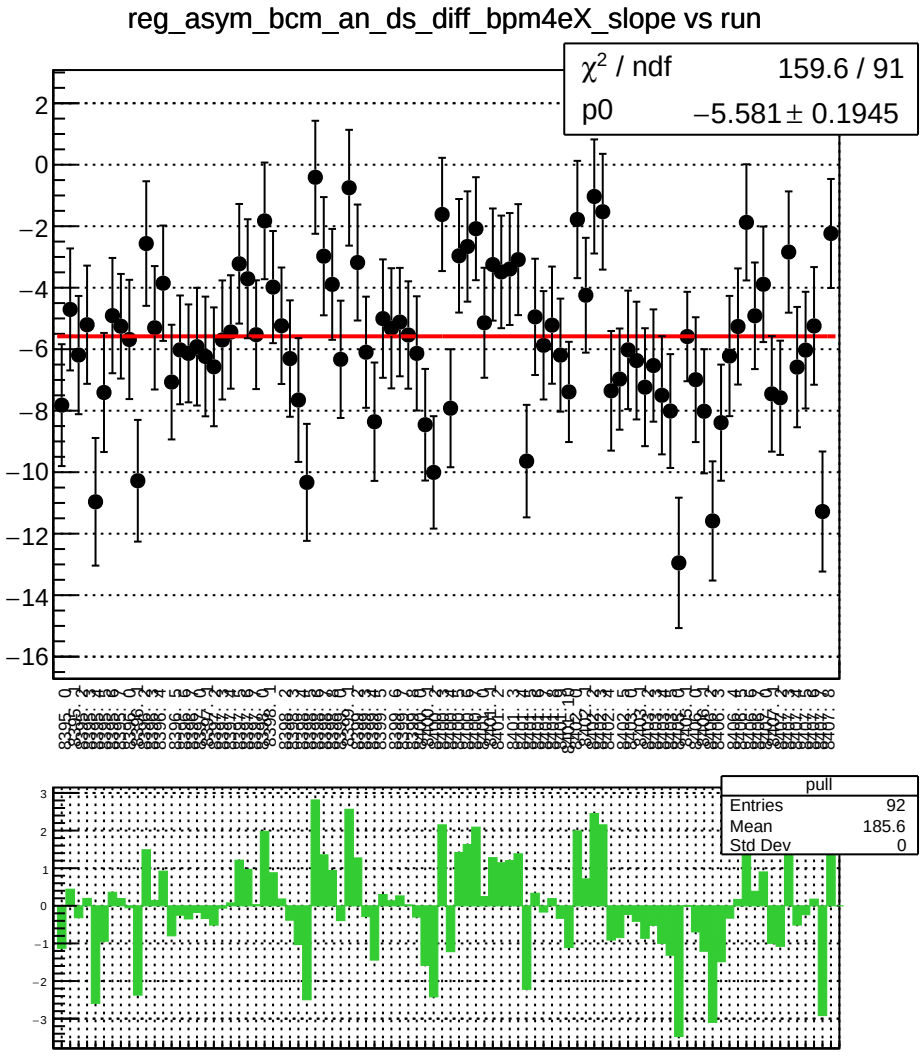

pull1D
Entries 92
Mean −0.01478
Std Dev 1.329

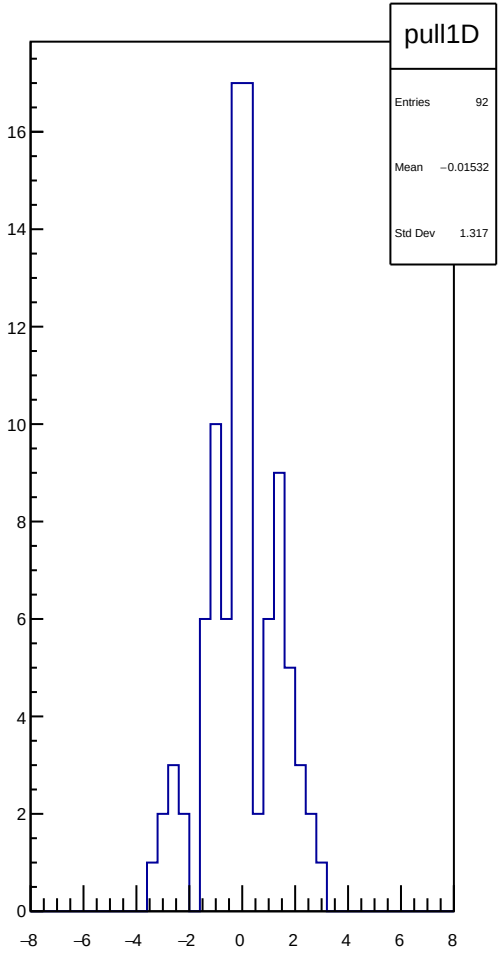

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 95.98 / 91
p0 −2.327 ± 0.3324
pull
Entries 92
Mean 1633
Std Dev 0
pull1D
Entries 92
Mean 0.002036
Std Dev 1.021

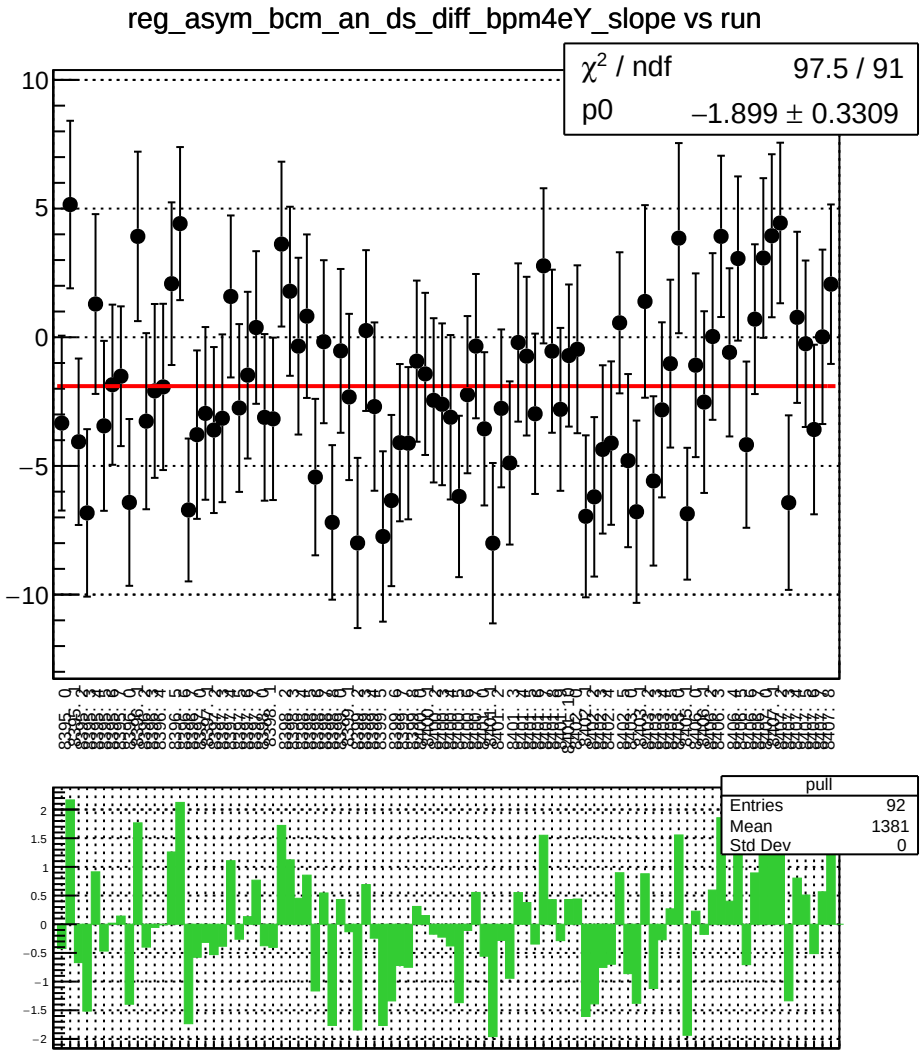

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 129.3 / 91
p0 −0.6685 ± 0.02049
pull
Entries 92
Mean 102.1
Std Dev 0
pull1D
Entries 92
Mean −0.005207
Std Dev 1.185

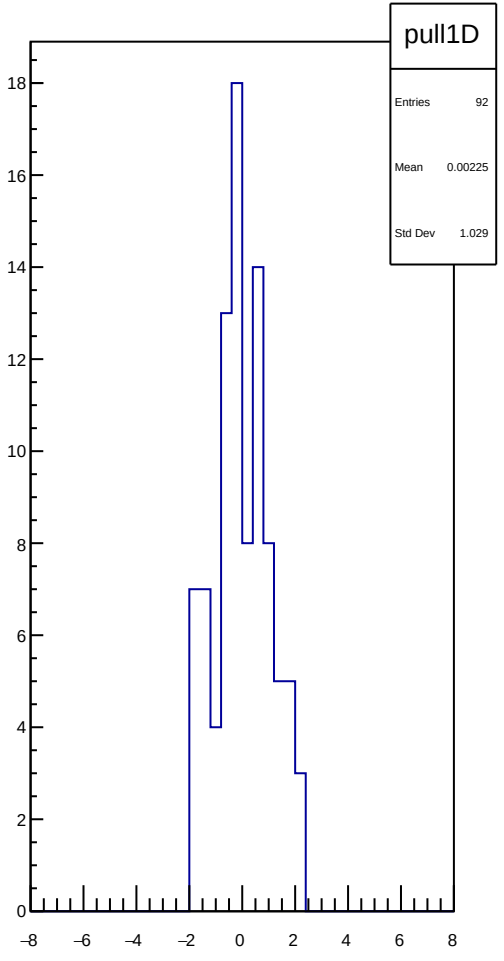

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 156.9 / 91
p0 4.445 ± 0.174
pull
Entries 92
Mean 153.8
Std Dev 12.39
pull1D
Entries 92
Mean 0.0172
Std Dev 1.306

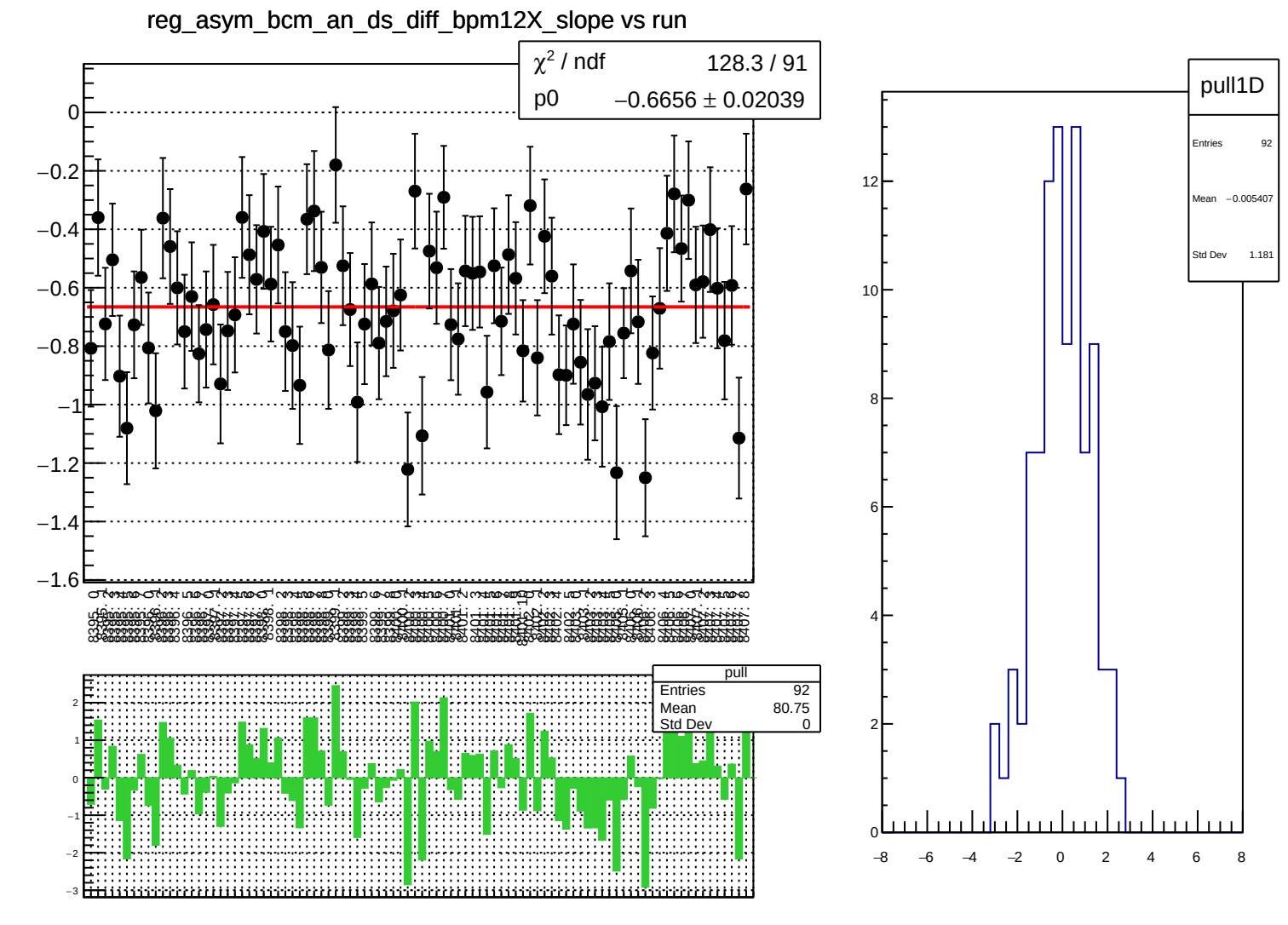

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 95.81 / 91
p0 2.055 ± 0.3166
pull
Entries 92
Mean 1908
Std Dev 0
pull1D
Entries 92
Mean −0.001758
Std Dev 1.021

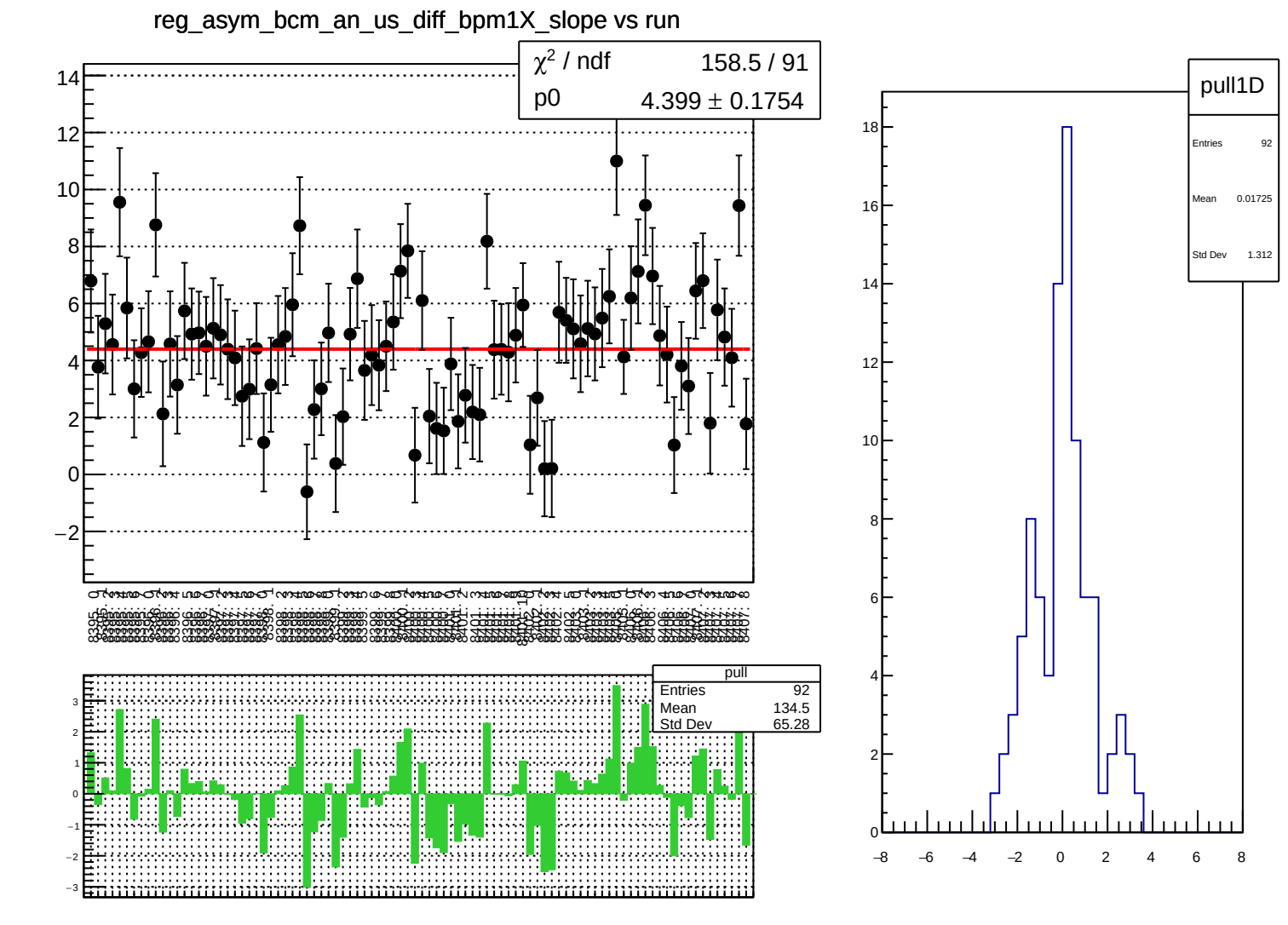

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 159.6 / 91
p0 −5.581 ± 0.1945
pull
Entries 92
Mean 185.6
Std Dev 0

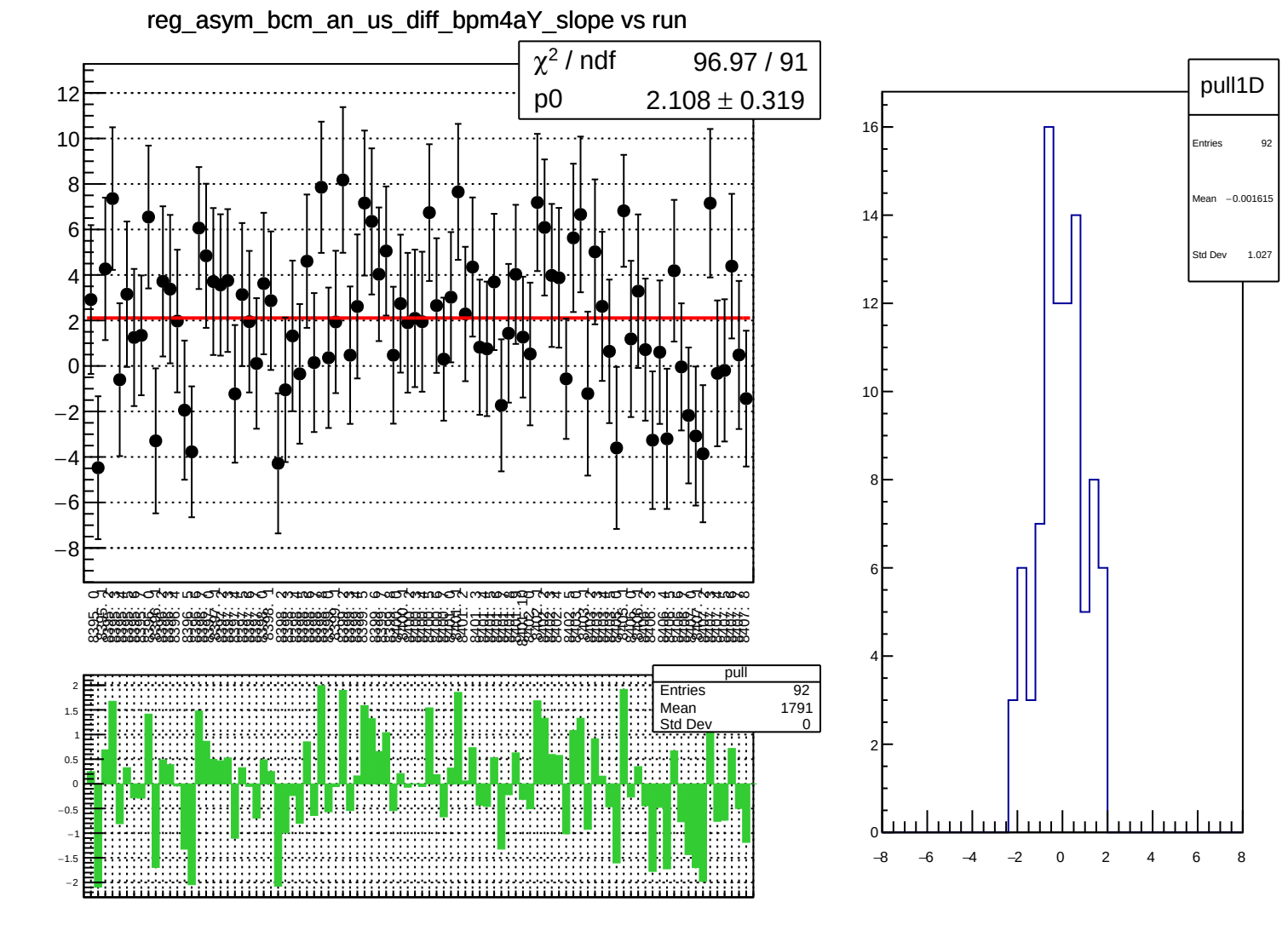

pull1D
Entries 92
Mean −0.01532
Std Dev 1.317

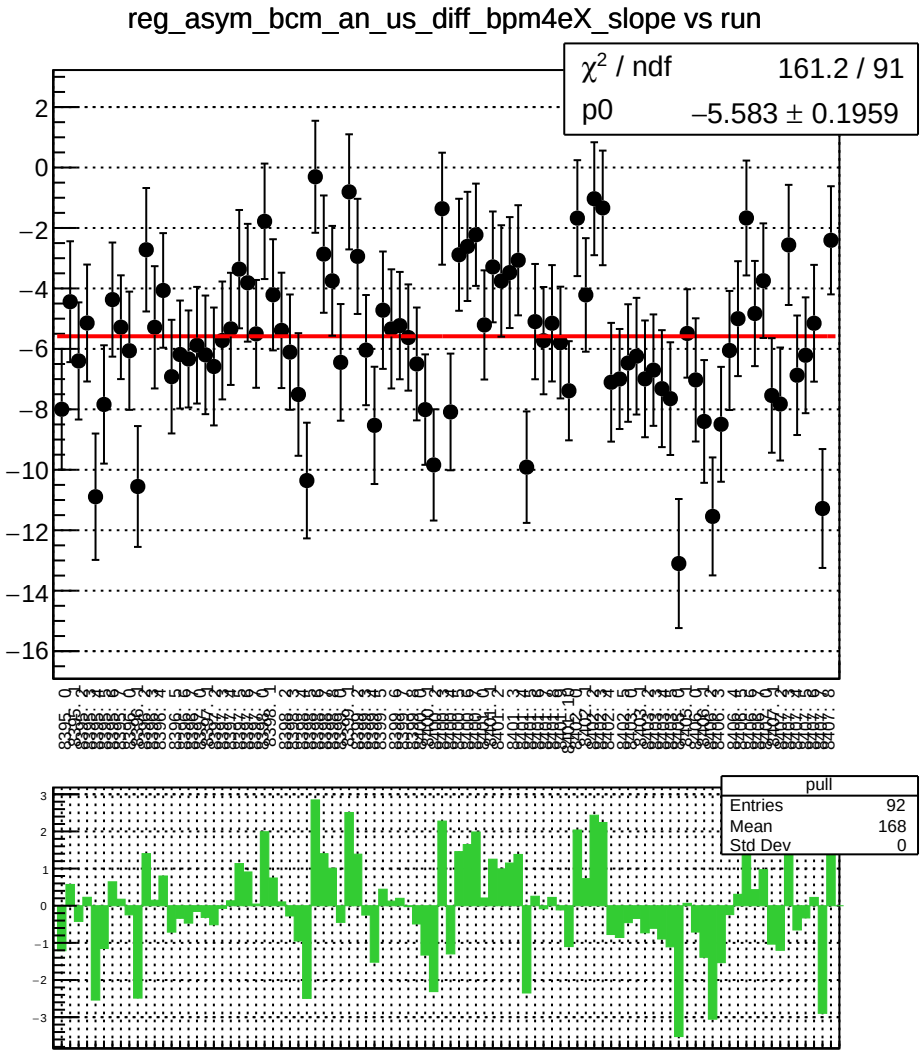

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 97.5 / 91
p0 −1.899 ± 0.3309
pull
Entries 92
Mean 1381
Std Dev 0

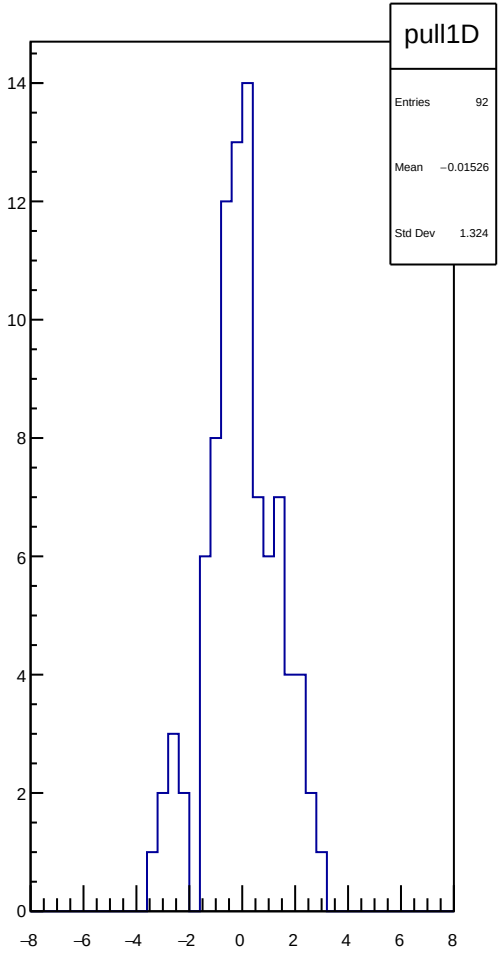

pull1D
Entries 92
Mean 0.00225
Std Dev 1.029

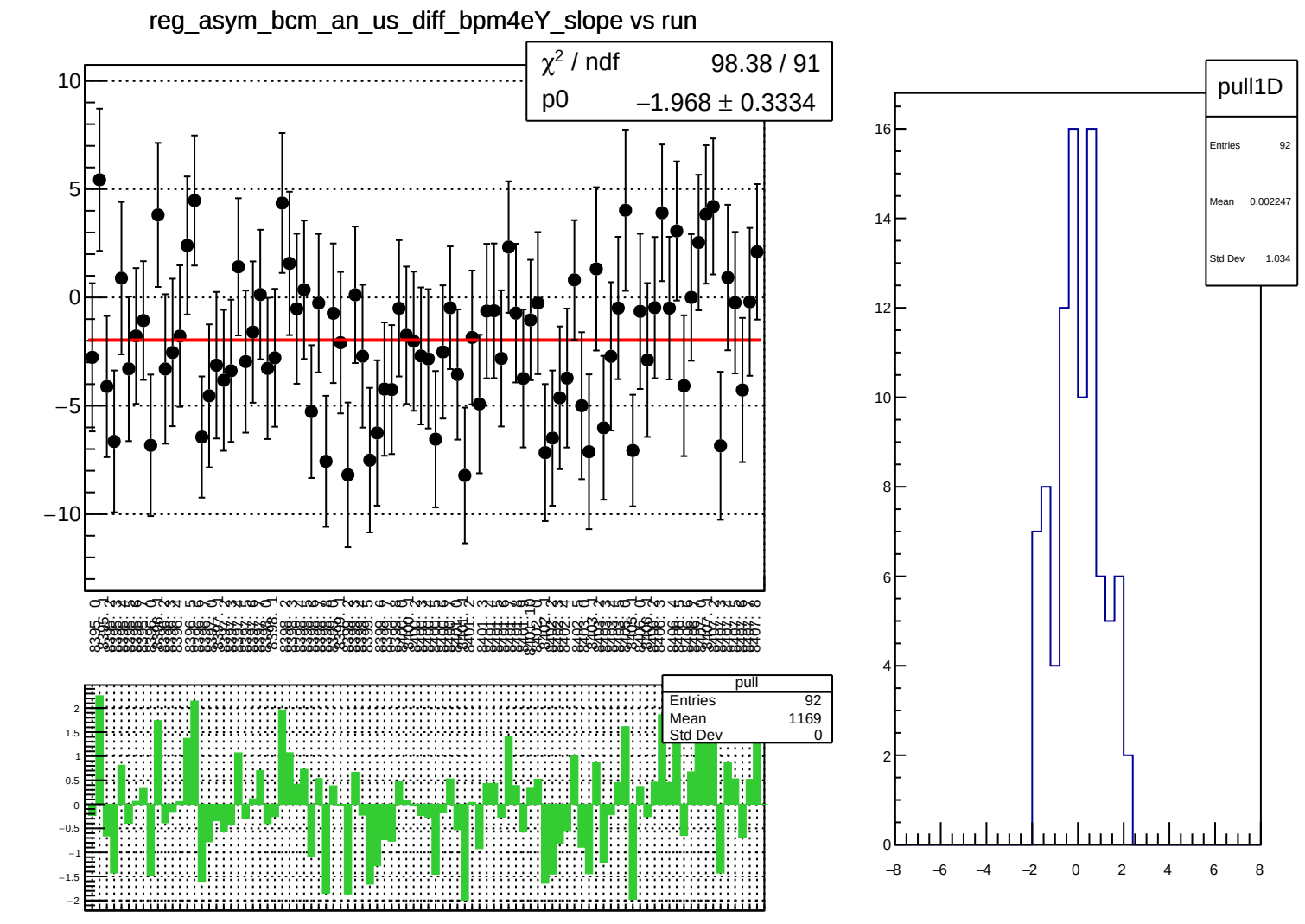

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 128.3 / 91
p0 −0.6656 ± 0.02039
pull
Entries 92
Mean 80.75
Std Dev 0
pull1D
Entries 92
Mean −0.005407
Std Dev 1.181

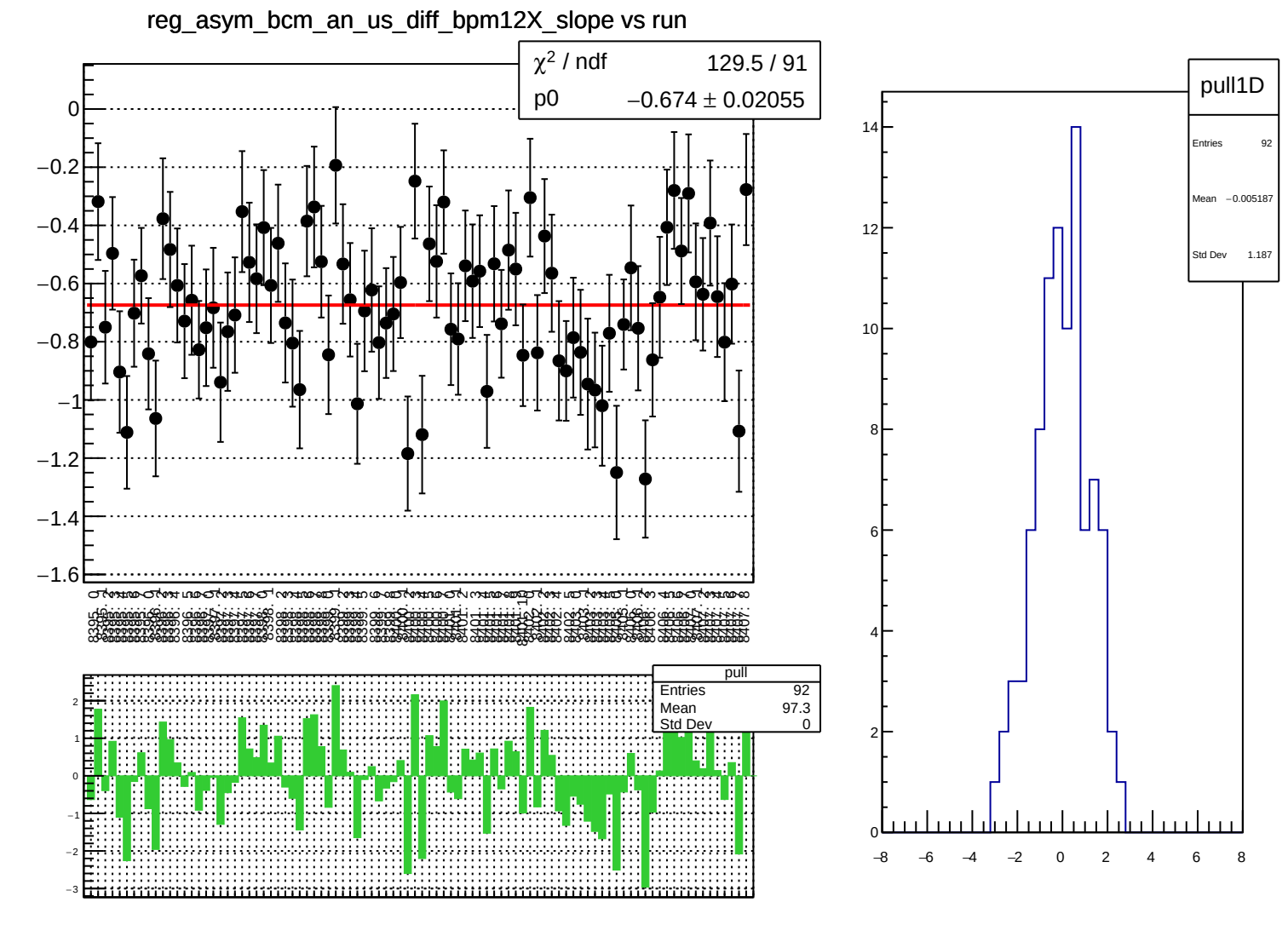

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 158.5 / 91
p0 4.399 ± 0.1754
pull
Entries 92
Mean 134.5
Std Dev 65.28
pull1D
Entries 92
Mean 0.01725
Std Dev 1.312

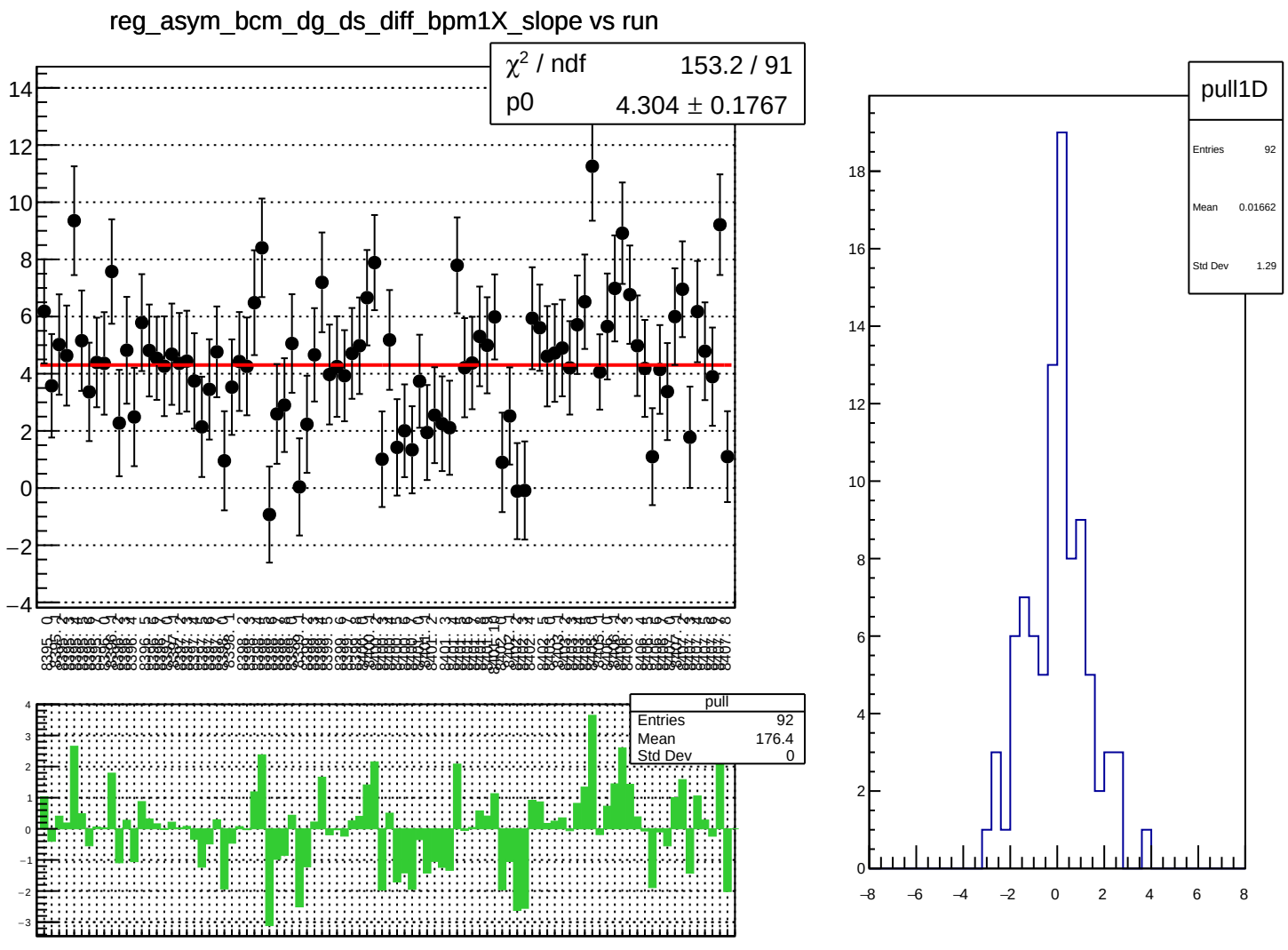

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 96.97 / 91
p0 2.108 ± 0.319
pull
Entries 92
Mean 1791
Std Dev 0
pull1D
Entries 92
Mean −0.001615
Std Dev 1.027

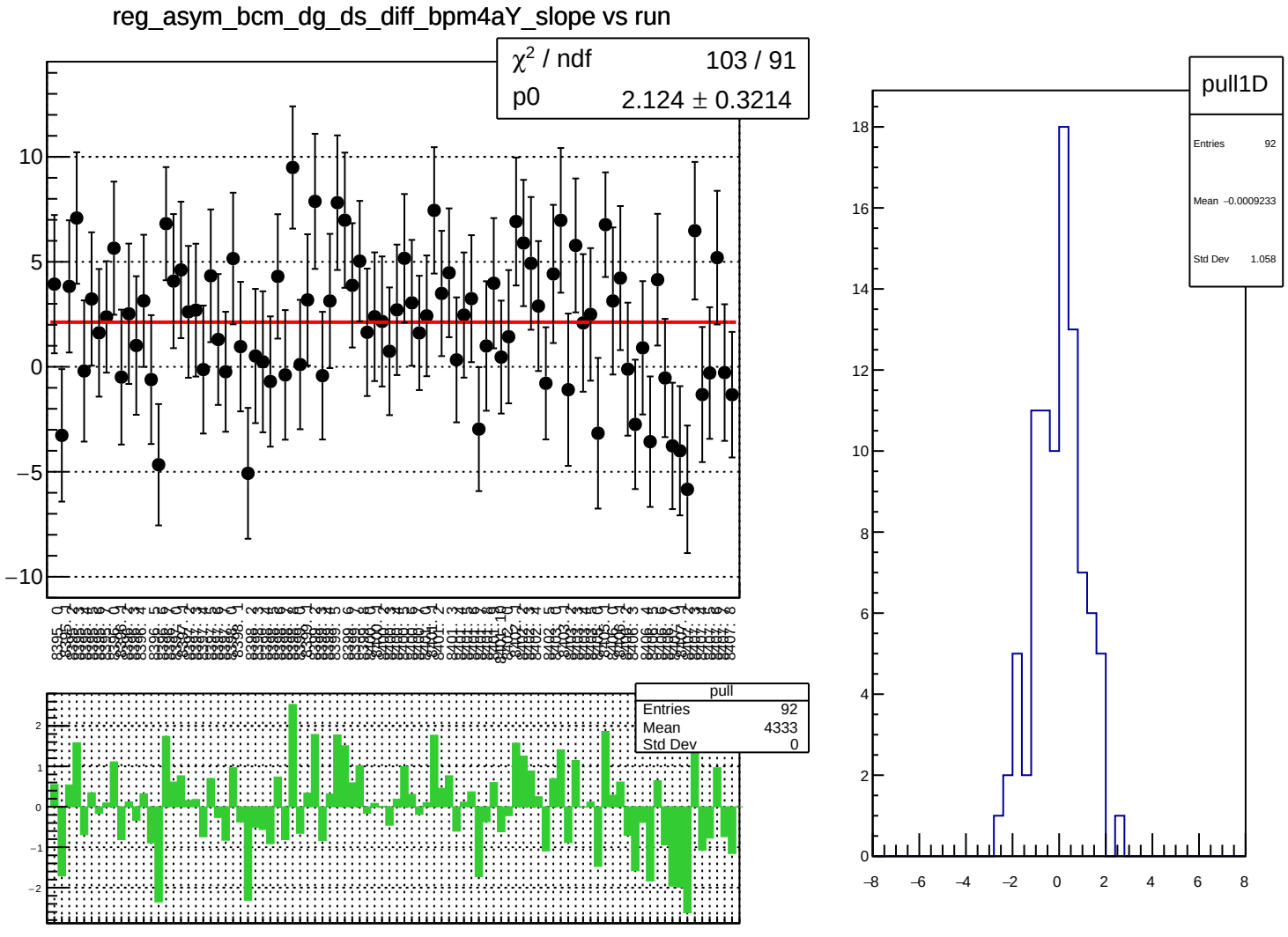

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 161.2 / 91
p0 −5.583 ± 0.1959
pull
Entries 92
Mean 168
Std Dev 0

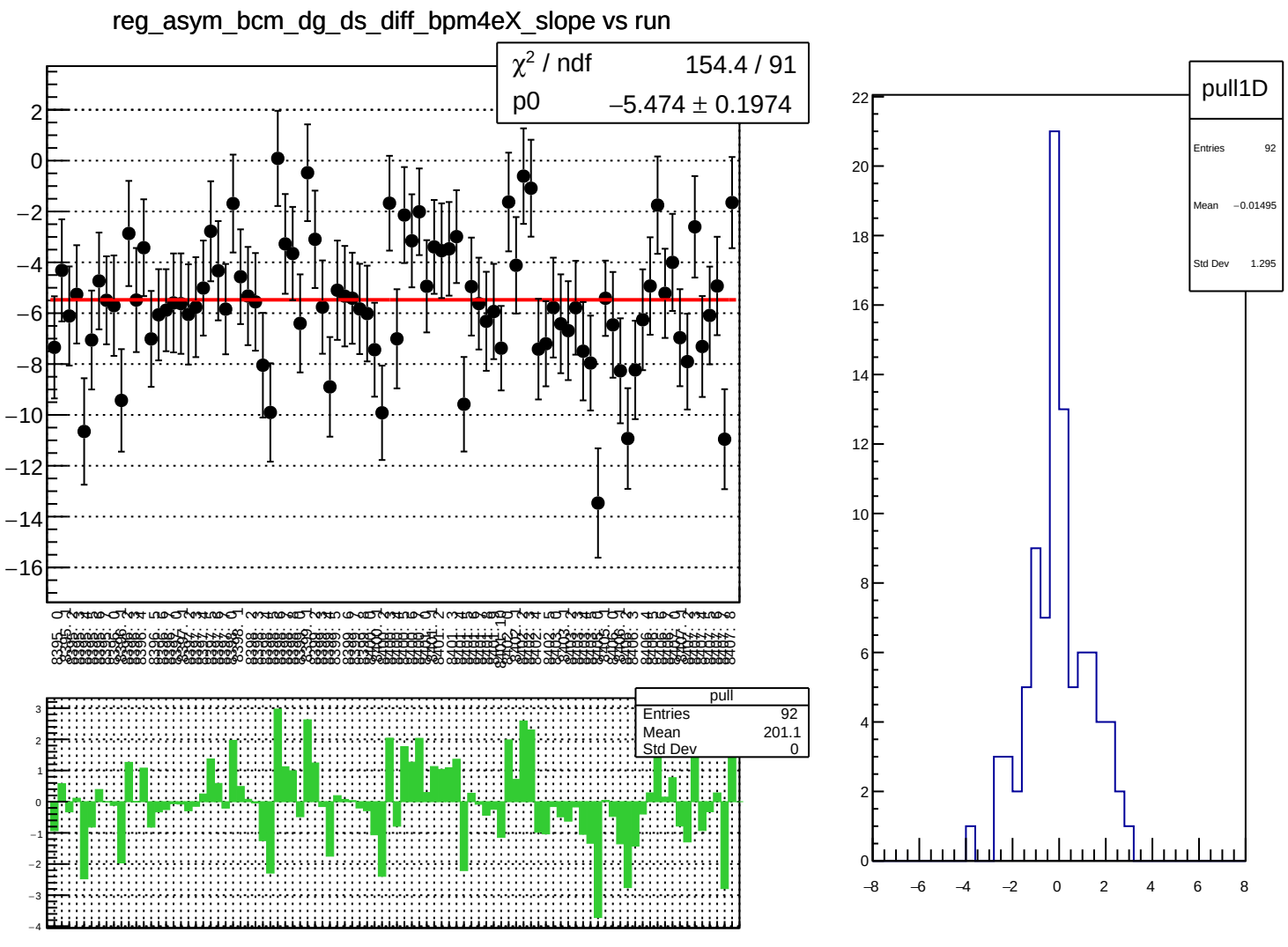

pull1D
Entries 92
Mean −0.01526
Std Dev 1.324

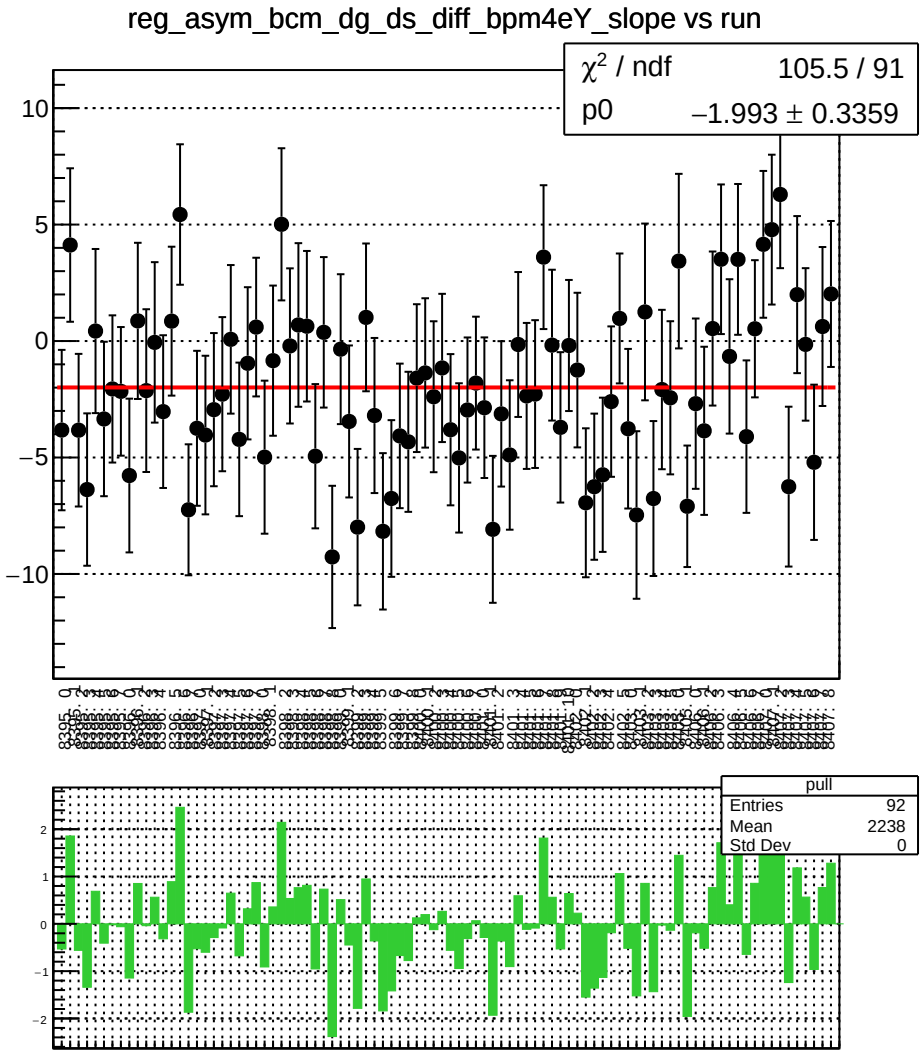

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 98.38 / 91
p0 −1.968 ± 0.3334
pull
Entries 92
Mean 1169
Std Dev 0
pull1D
Entries 92
Mean 0.002247
Std Dev 1.034

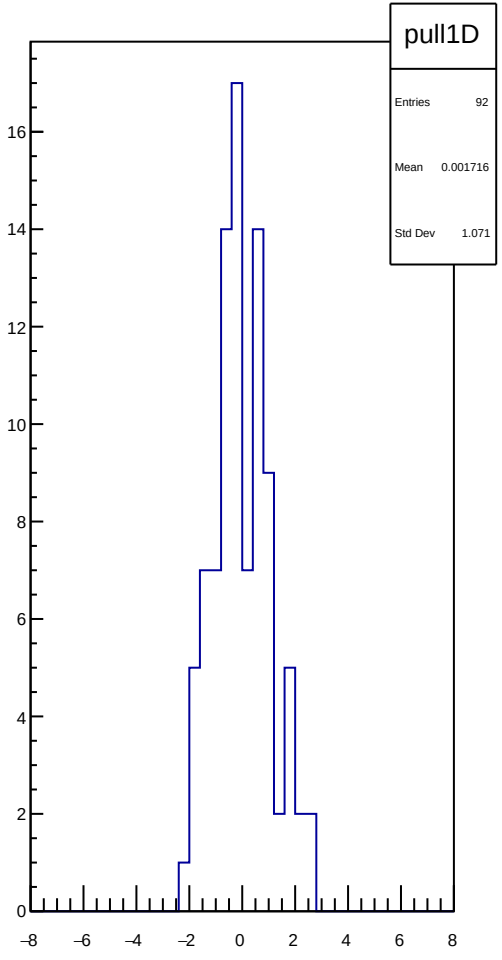

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 129.5 / 91
p0 −0.674 ± 0.02055
pull
Entries 92
Mean 97.3
Std Dev 0
pull1D
Entries 92
Mean −0.005187
Std Dev 1.187

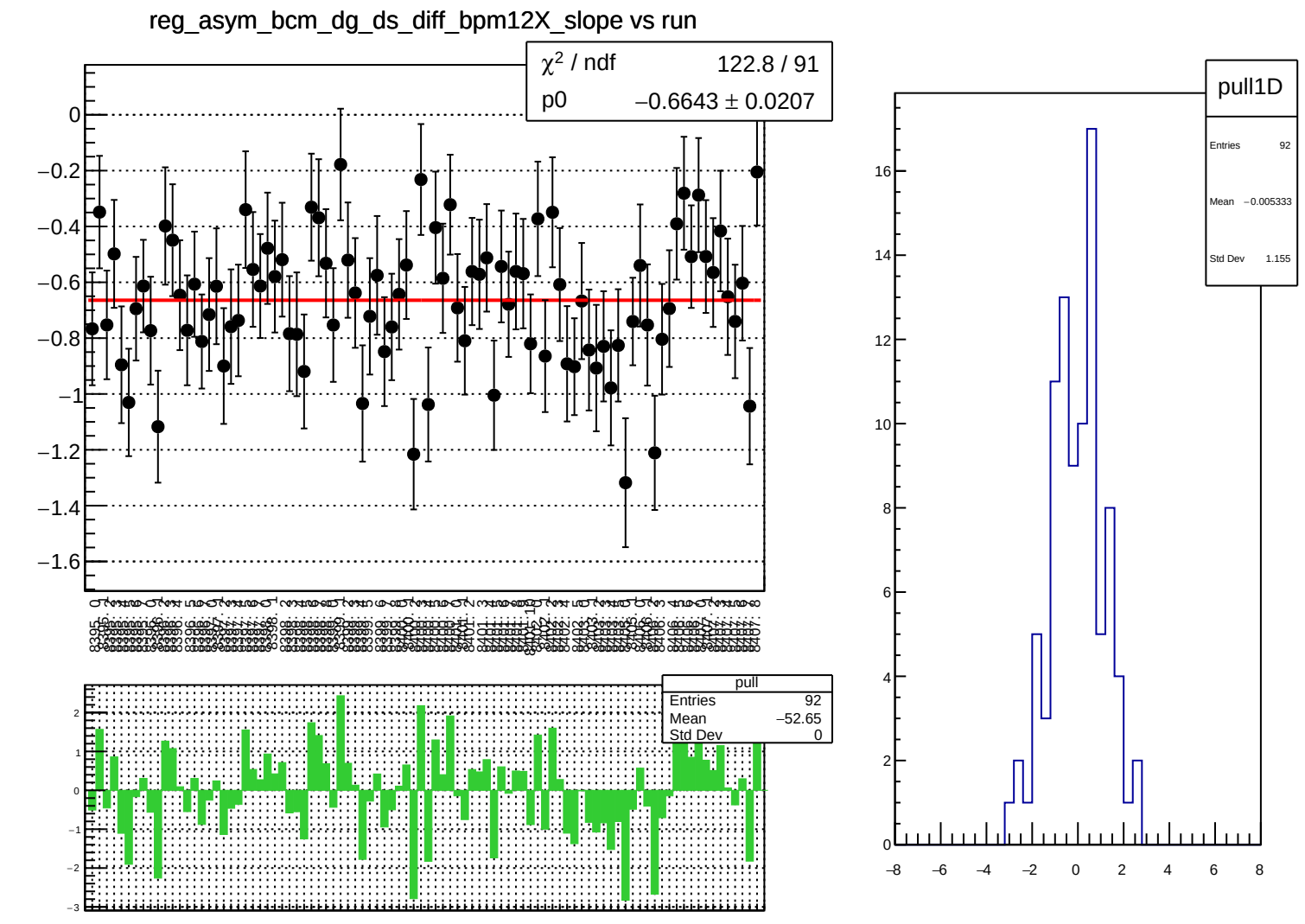

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 153.2 / 91
p0 4.304 ± 0.1767
pull
Entries 92
Mean 176.4
Std Dev 0
pull1D
Entries 92
Mean 0.01662
Std Dev 1.29

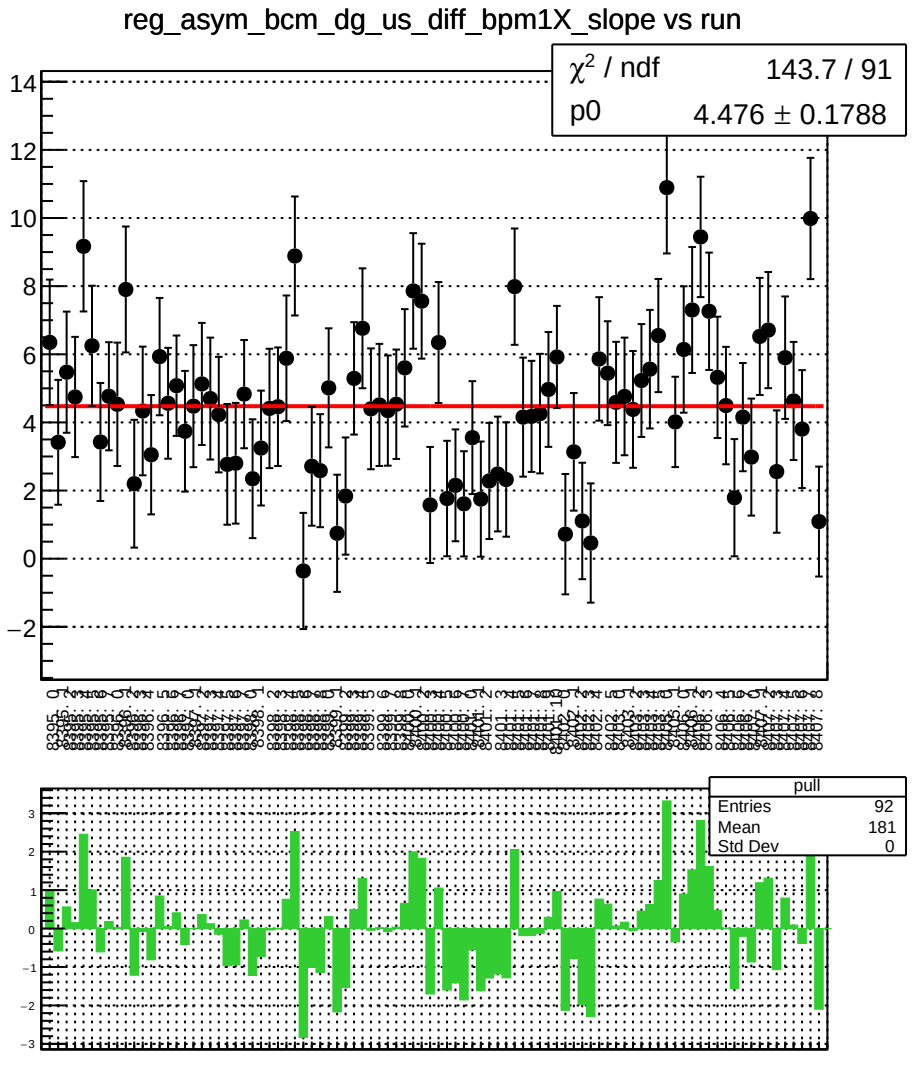

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 103 / 91
p0 2.124 ± 0.3214
pull
Entries 92
Mean 4333
Std Dev 0
pull1D
Entries 92
Mean −0.0009233
Std Dev 1.058

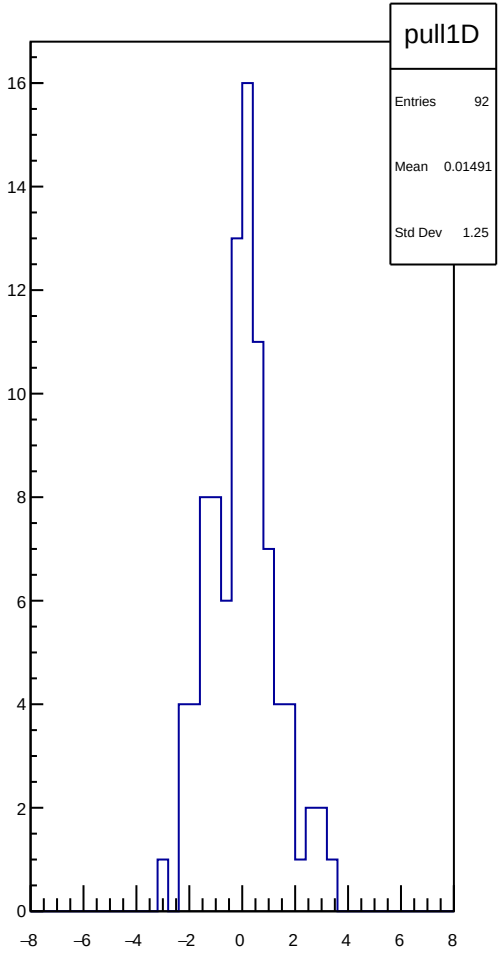

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 154.4 / 91
p0 −5.474 ± 0.1974
pull
Entries 92
Mean 201.1
Std Dev 0
pull1D
Entries 92
Mean −0.01495
Std Dev 1.295

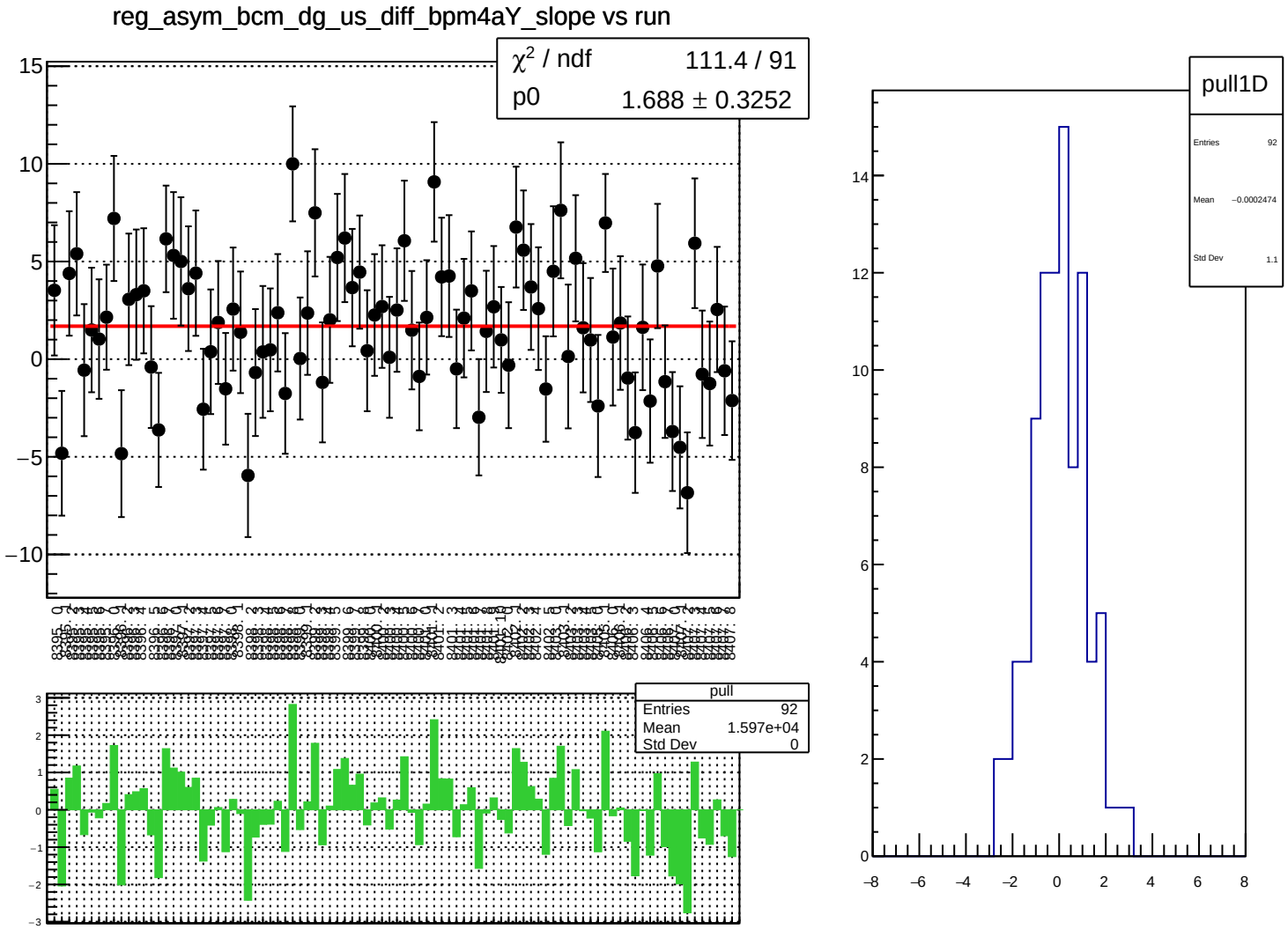

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 105.5 / 91
p0 −1.993 ± 0.3359
pull
Entries 92
Mean 2238
Std Dev 0

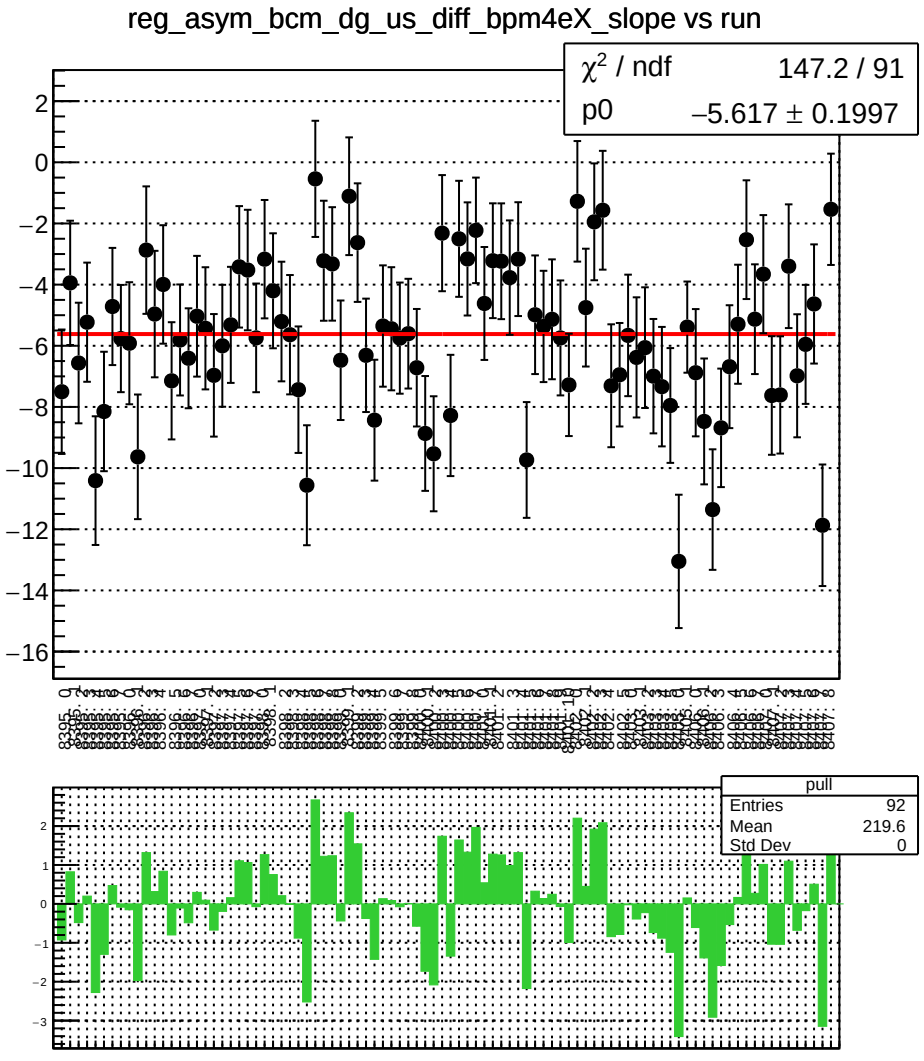

pull1D
Entries 92
Mean 0.001716
Std Dev 1.071

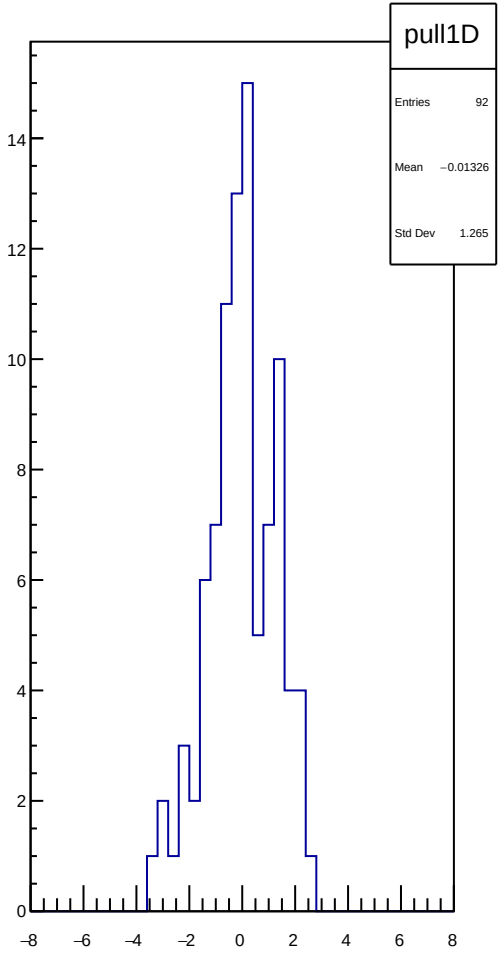

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 122.8 / 91
p0 −0.6643 ± 0.0207
pull
Entries 92
Mean −52.65
Std Dev 0
pull1D
Entries 92
Mean −0.005333
Std Dev 1.155

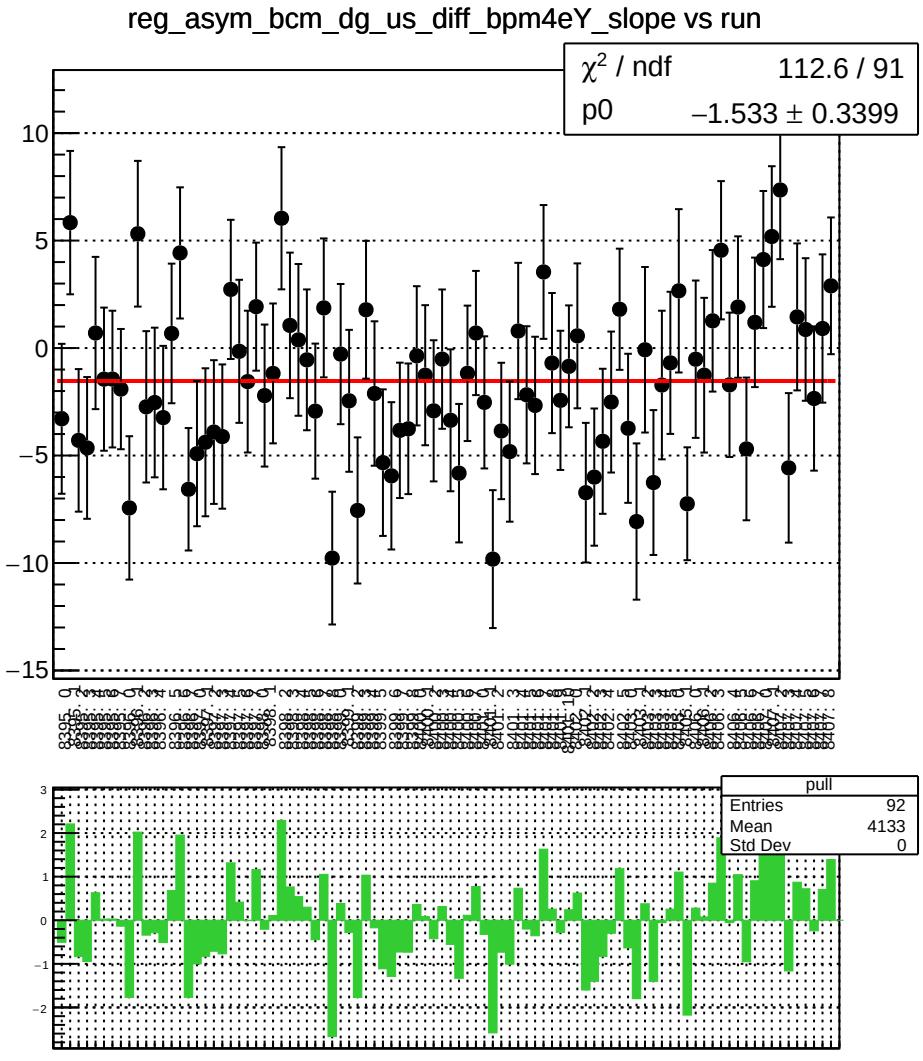

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 143.7 / 91
p0 4.476 ± 0.1788
pull
Entries 92
Mean 181
Std Dev 0

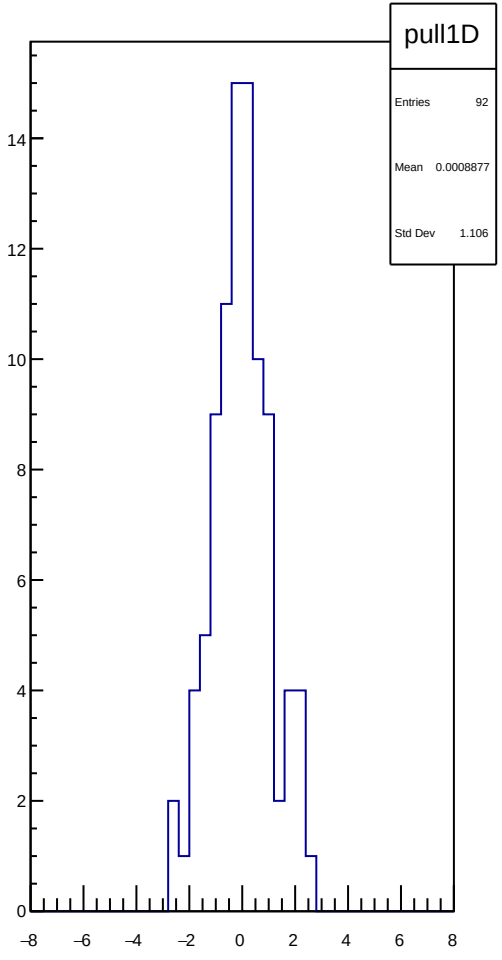

pull1D
Entries 92
Mean 0.01491
Std Dev 1.25

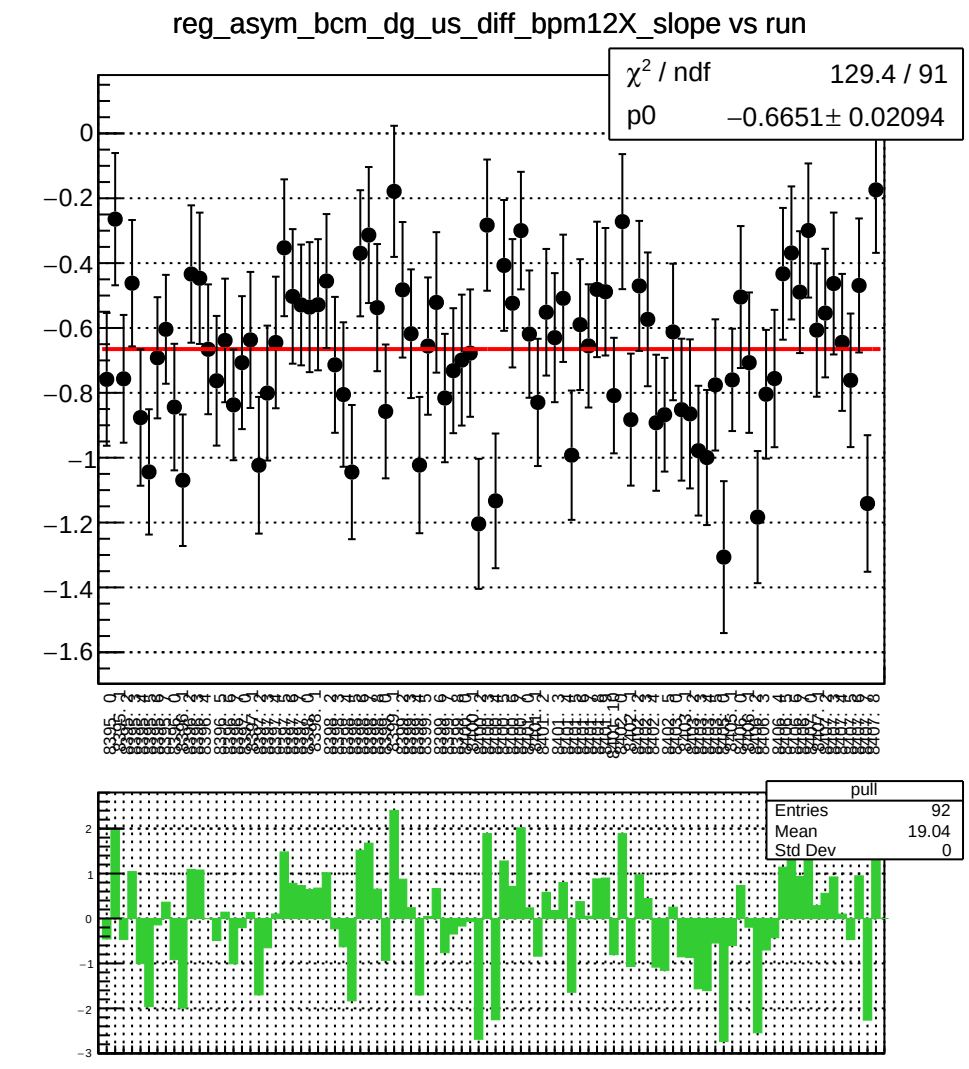

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 111.4 / 91
p0 1.688 ± 0.3252
pull
Entries 92
Mean 1.597e+04
Std Dev 0
pull1D
Entries 92
Mean −0.0002474
Std Dev 1.1

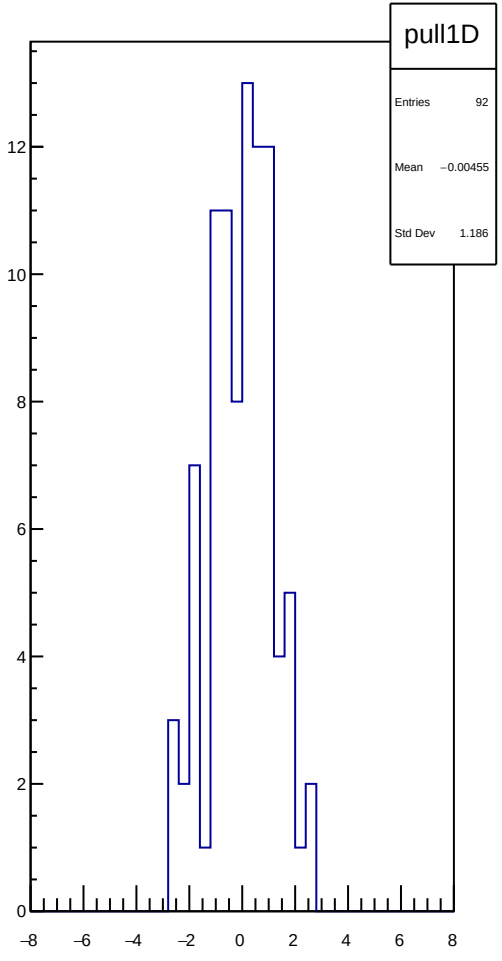

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 147.2 / 91
p0 −5.617 ± 0.1997
pull
Entries 92
Mean 219.6
Std Dev 0

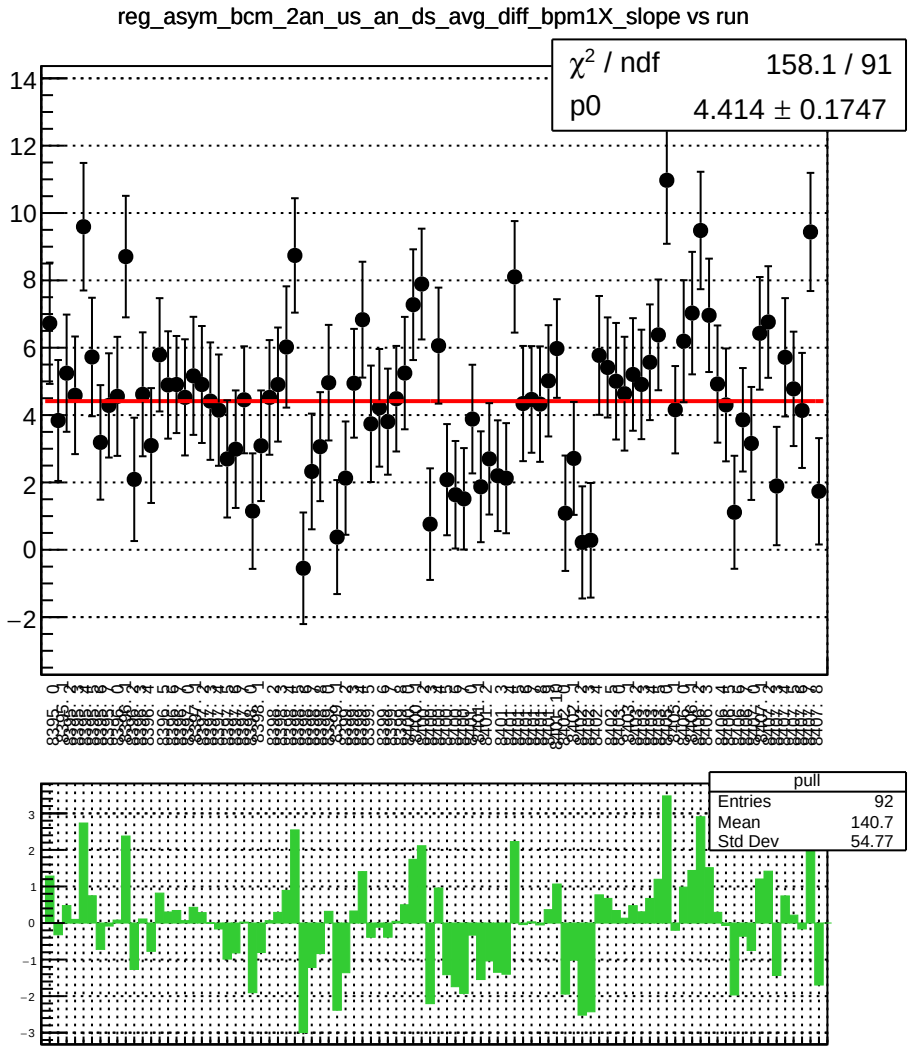

pull1D
Entries 92
Mean −0.01326
Std Dev 1.265

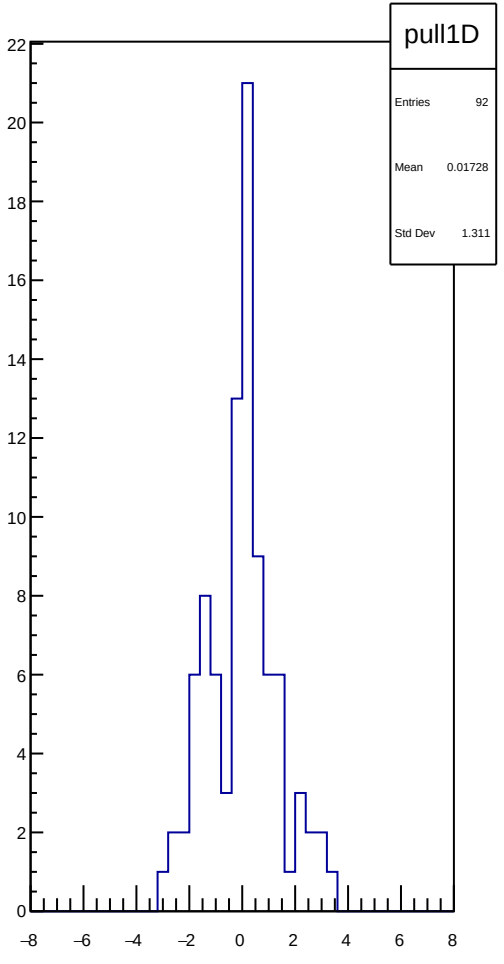

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 112.6 / 91
p0 −1.533 ± 0.3399
pull
Entries 92
Mean 4133
Std Dev 0

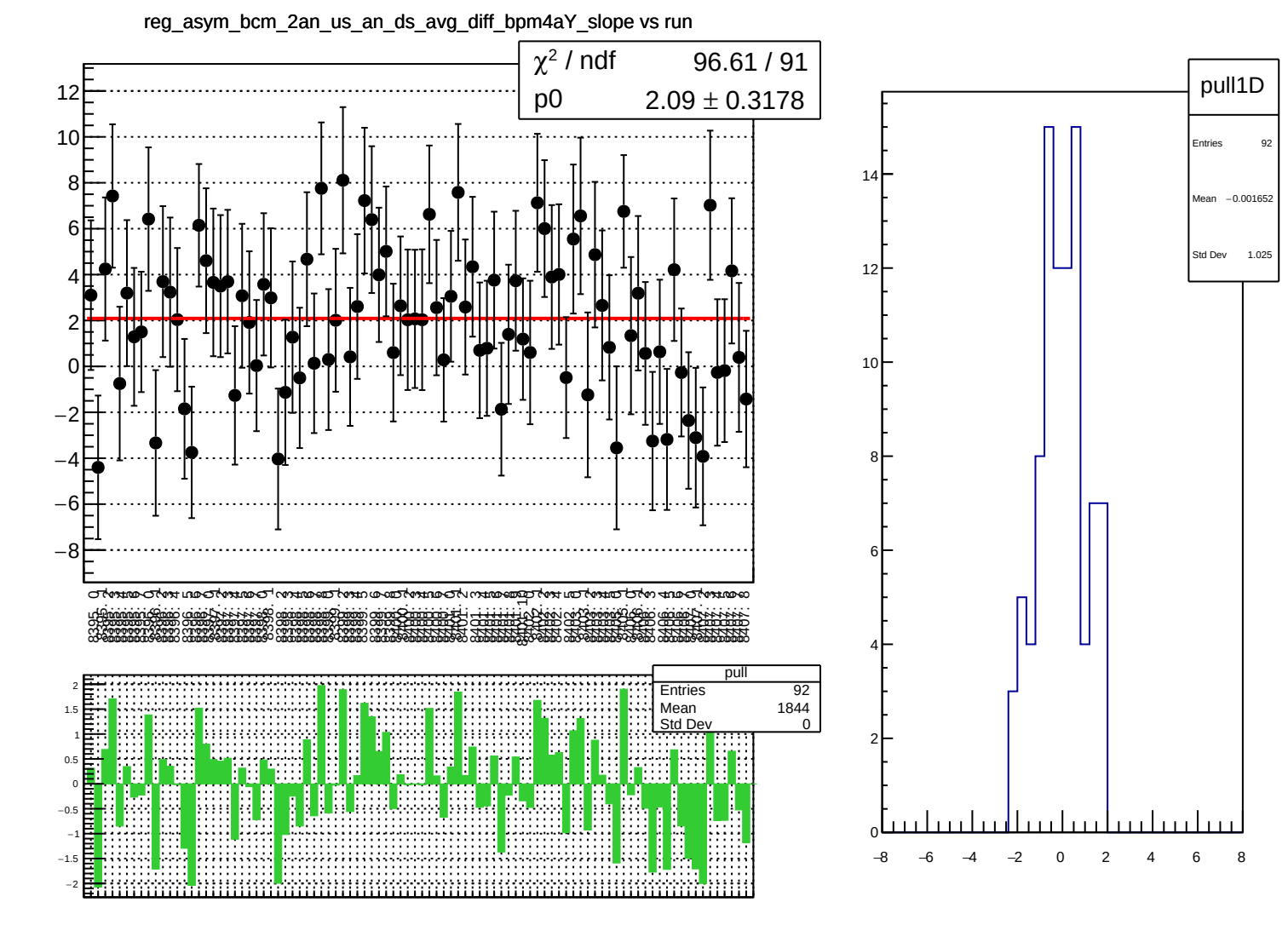

pull1D
Entries 92
Mean 0.0008877
Std Dev 1.106


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 129.4 / 91
p0 −0.6651 ± 0.02094
pull
Entries 92
Mean 19.04
Std Dev 0

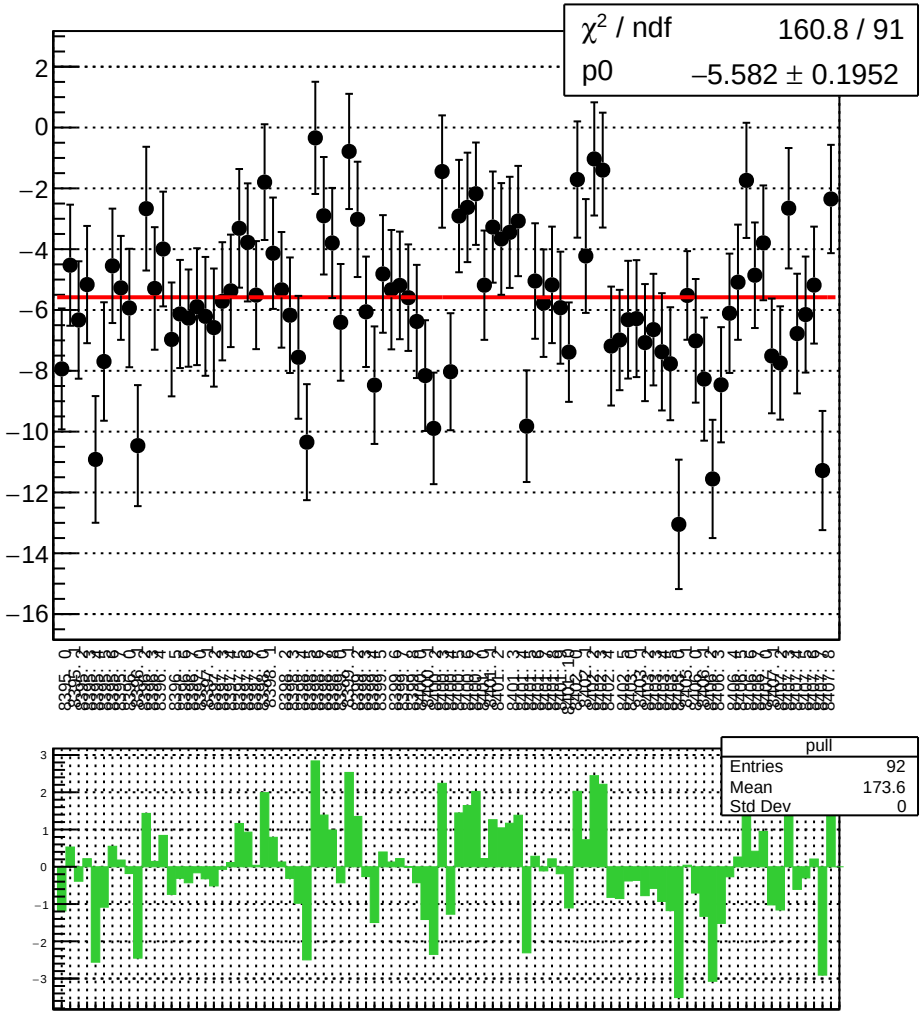

pull1D
Entries 92
Mean −0.00455
Std Dev 1.186

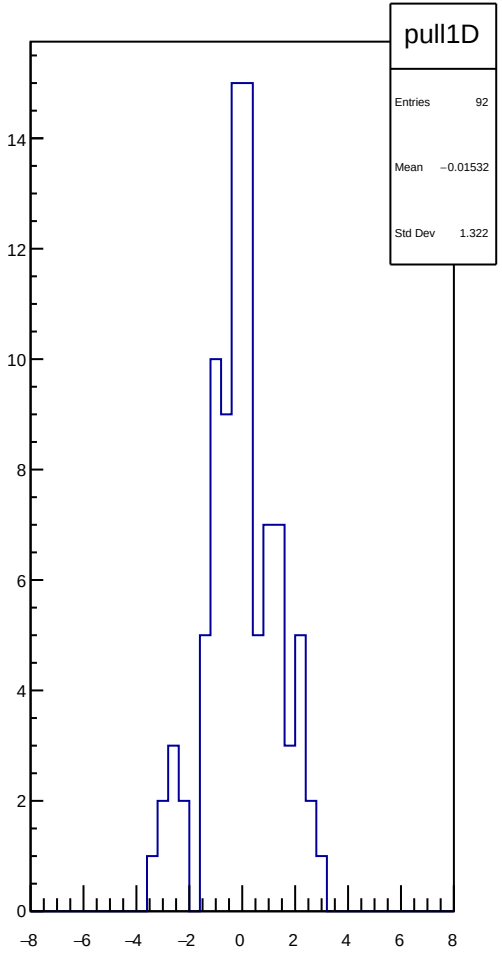

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 158.1 / 91
p0 4.414 ± 0.1747
pull
Entries 92
Mean 140.7
Std Dev 54.77

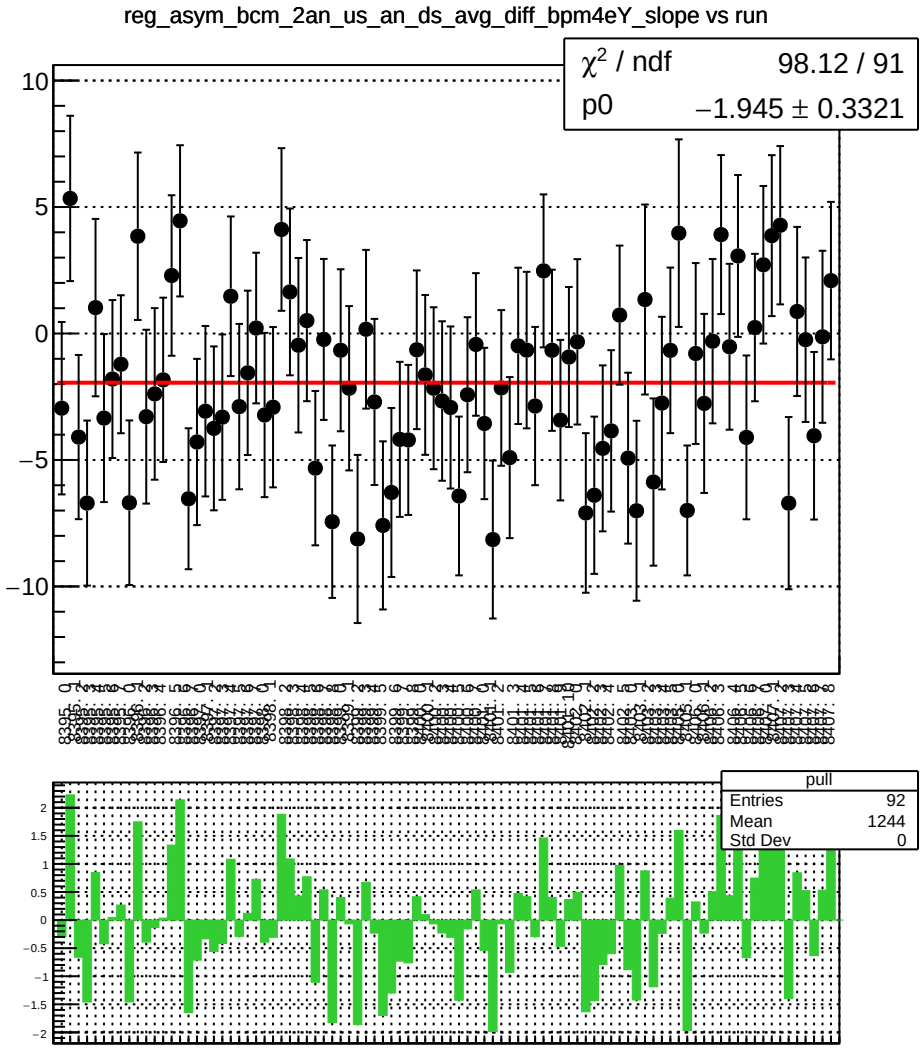

pull1D
Entries 92
Mean 0.01728
Std Dev 1.311

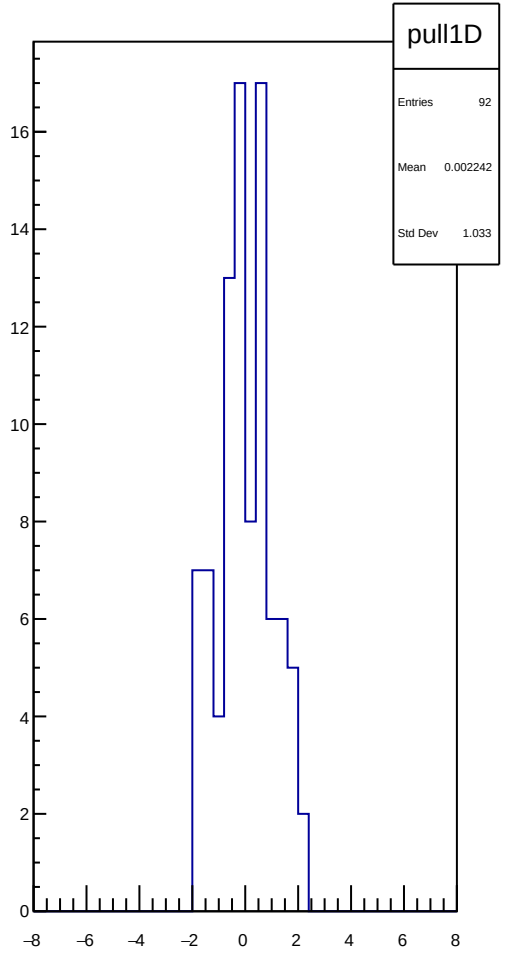

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 96.61 / 91
p0 2.09 ± 0.3178
pull
Entries 92
Mean 1844
Std Dev 0
pull1D
Entries 92
Mean −0.001652
Std Dev 1.025

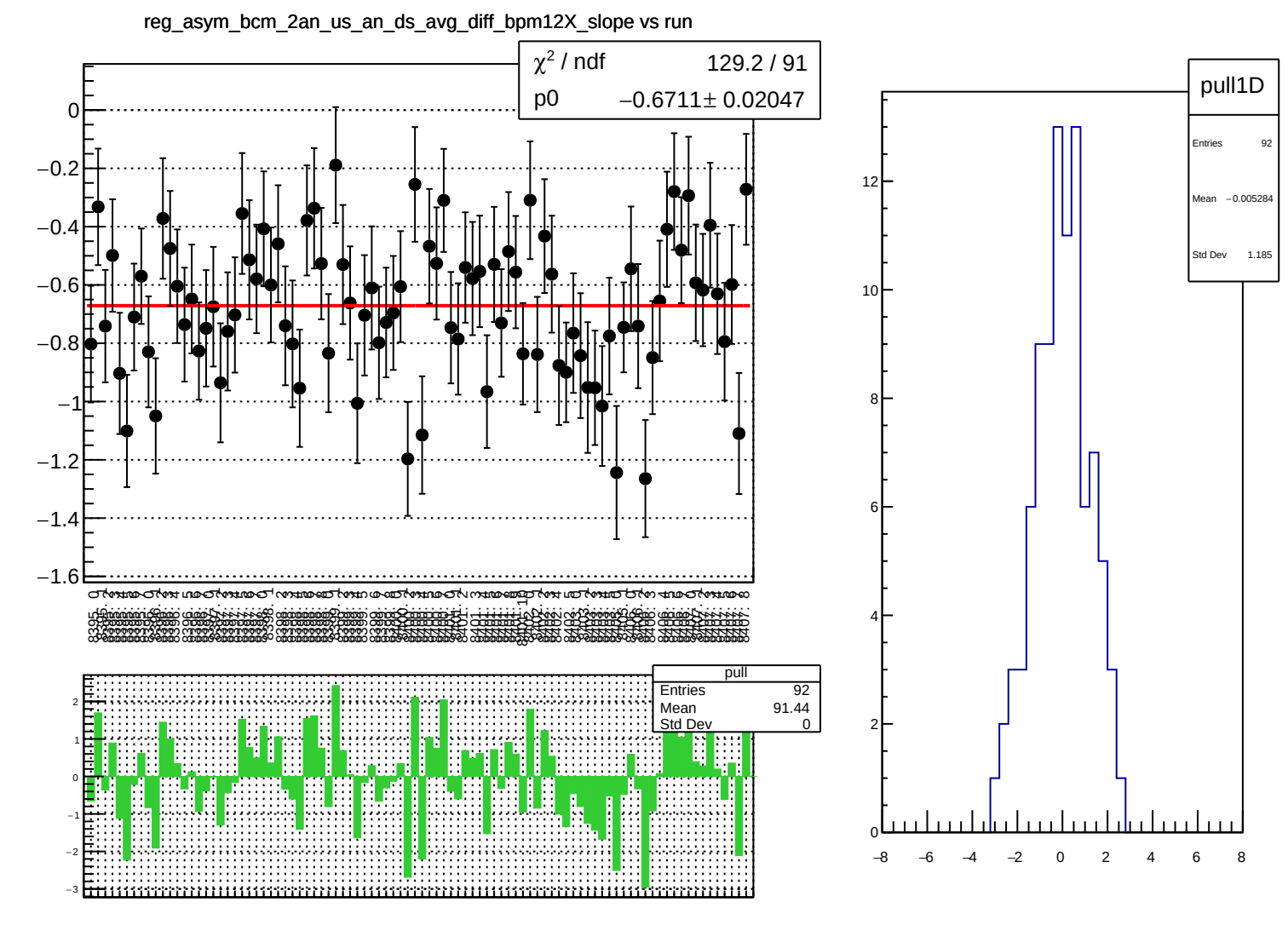
reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run

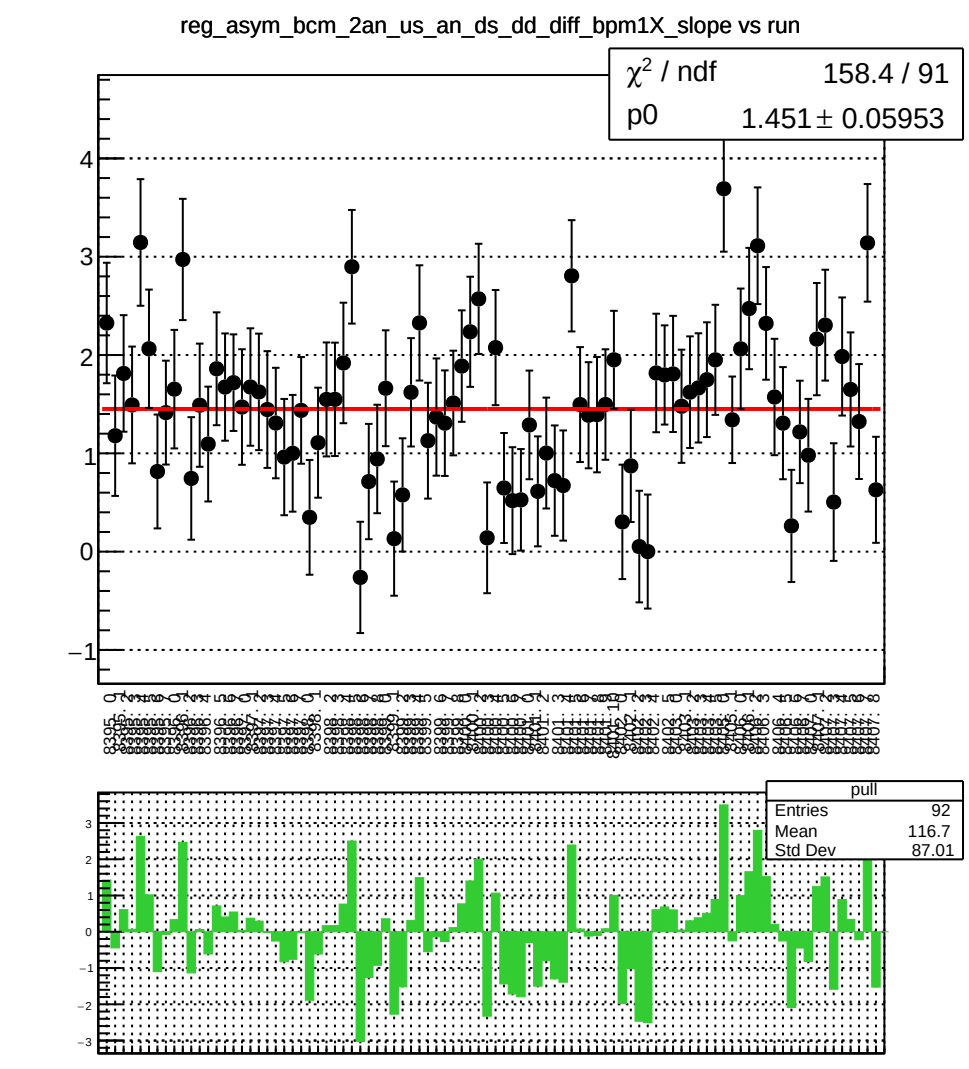


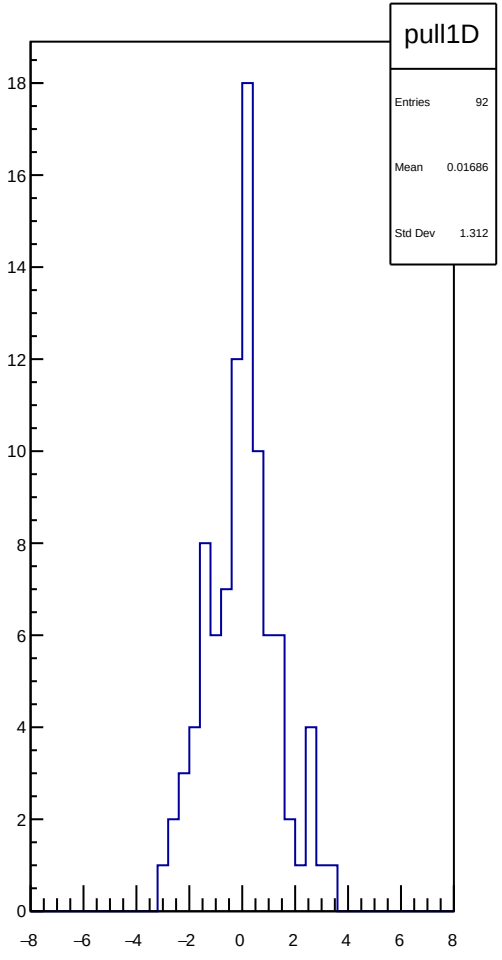



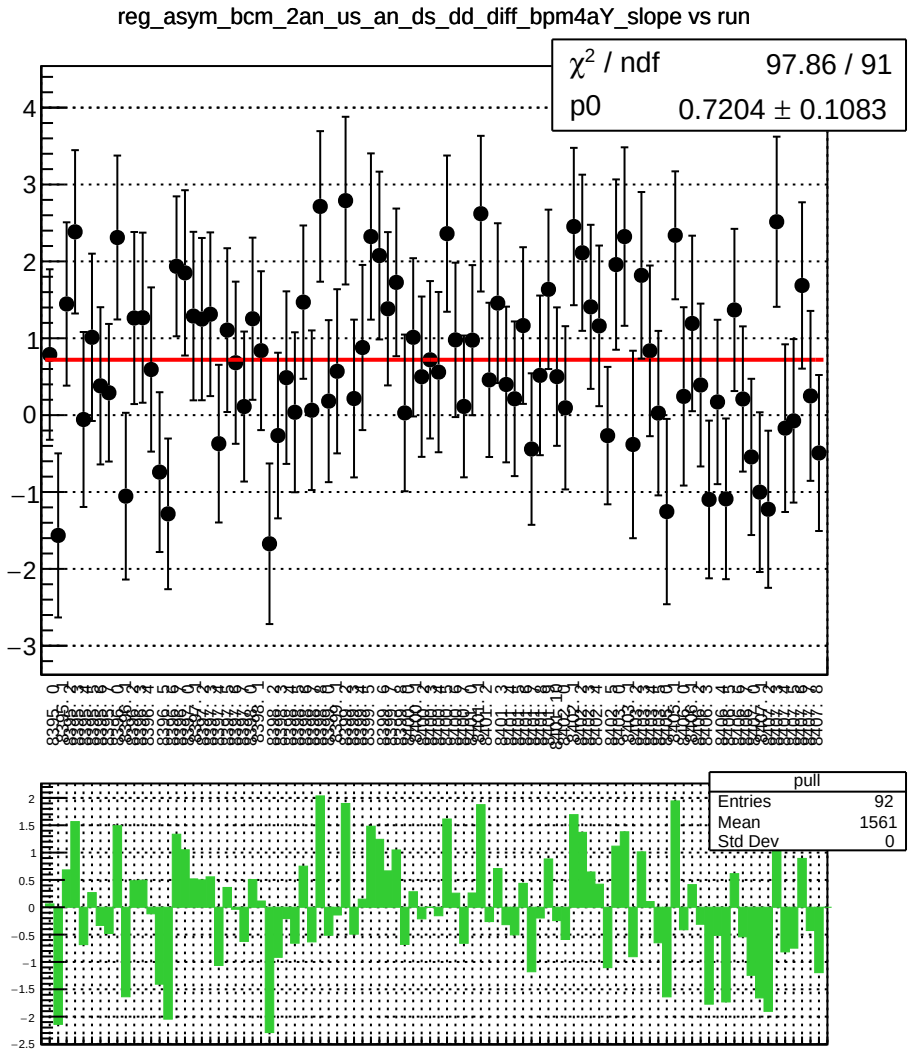

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.12 / 91
p0 −1.945 ± 0.3321
pull
Entries 92
Mean 1244
Std Dev 0

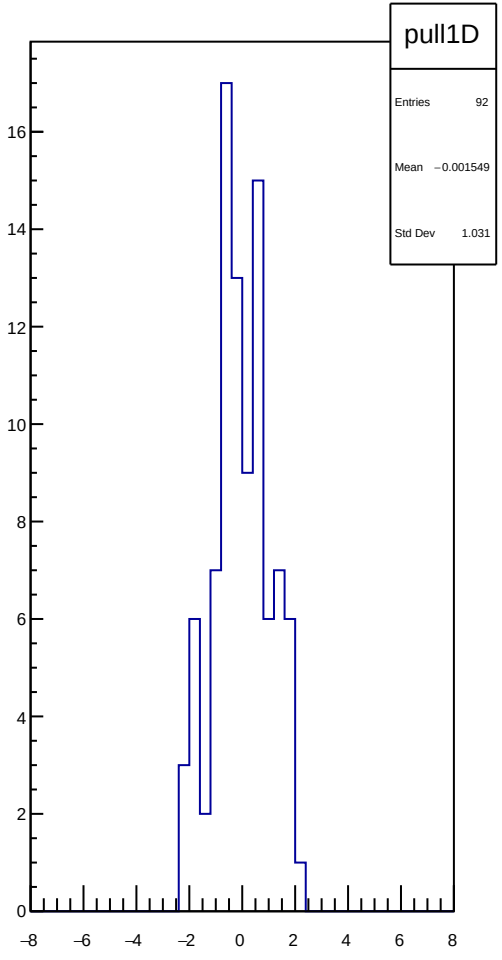

pull1D
Entries 92
Mean 0.002242
Std Dev 1.033

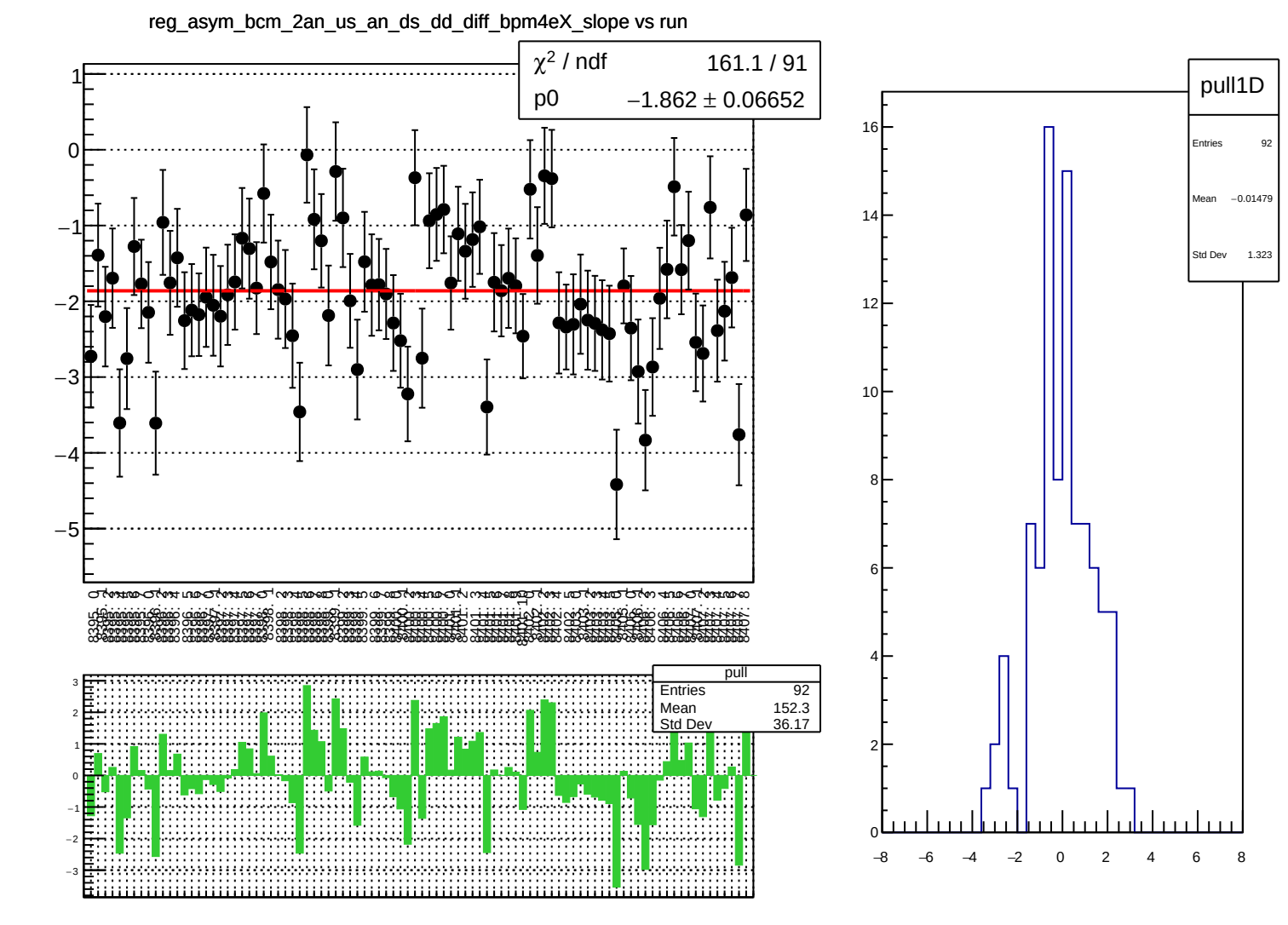

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 129.2 / 91
p0 −0.6711 ± 0.02047
pull
Entries 92
Mean 91.44
Std Dev 0
pull1D
Entries 92
Mean −0.005284
Std Dev 1.185

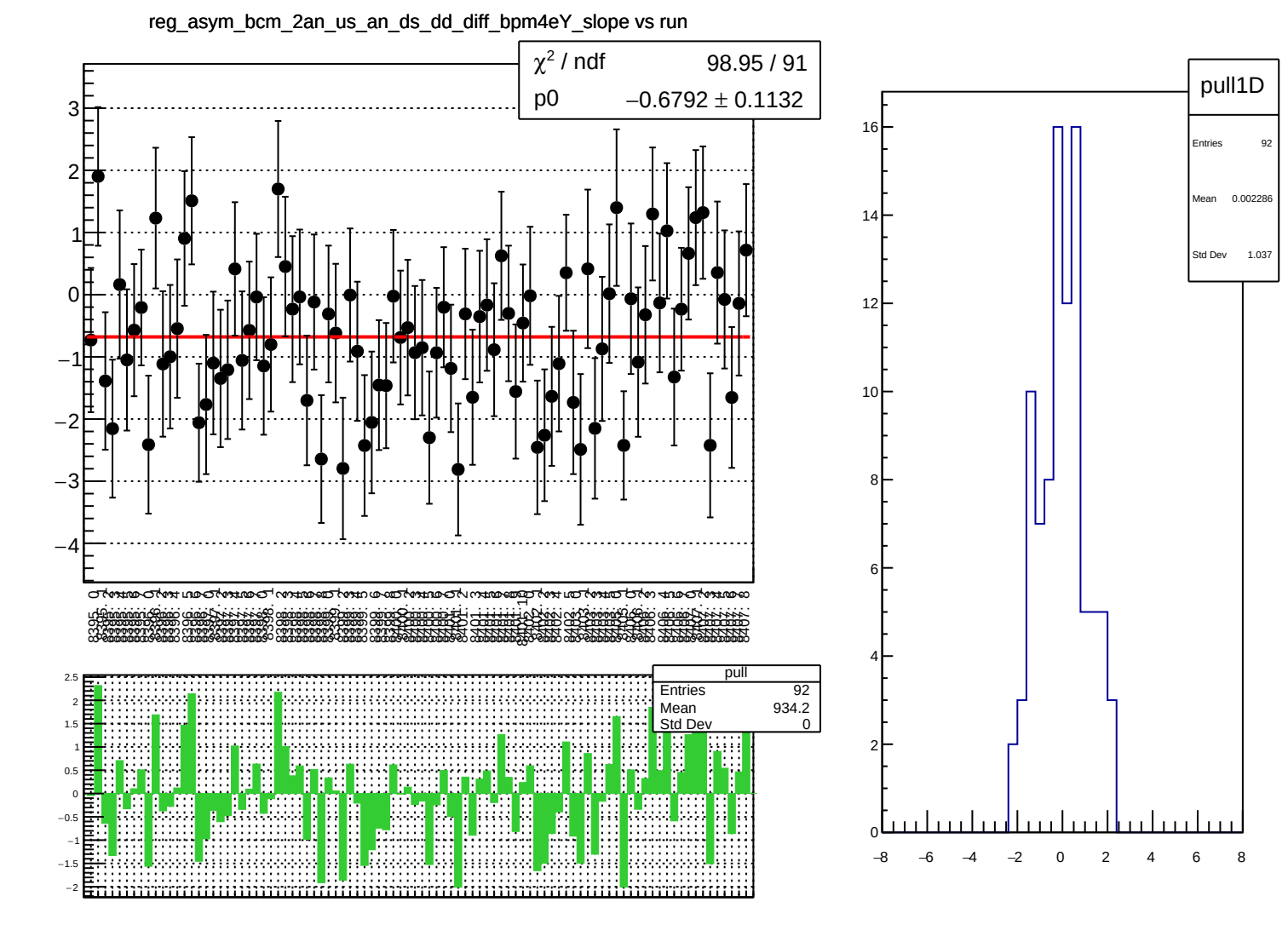

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 158.4 / 91
p0 1.451 ± 0.05953
pull
Entries 92
Mean 116.7
Std Dev 87.01

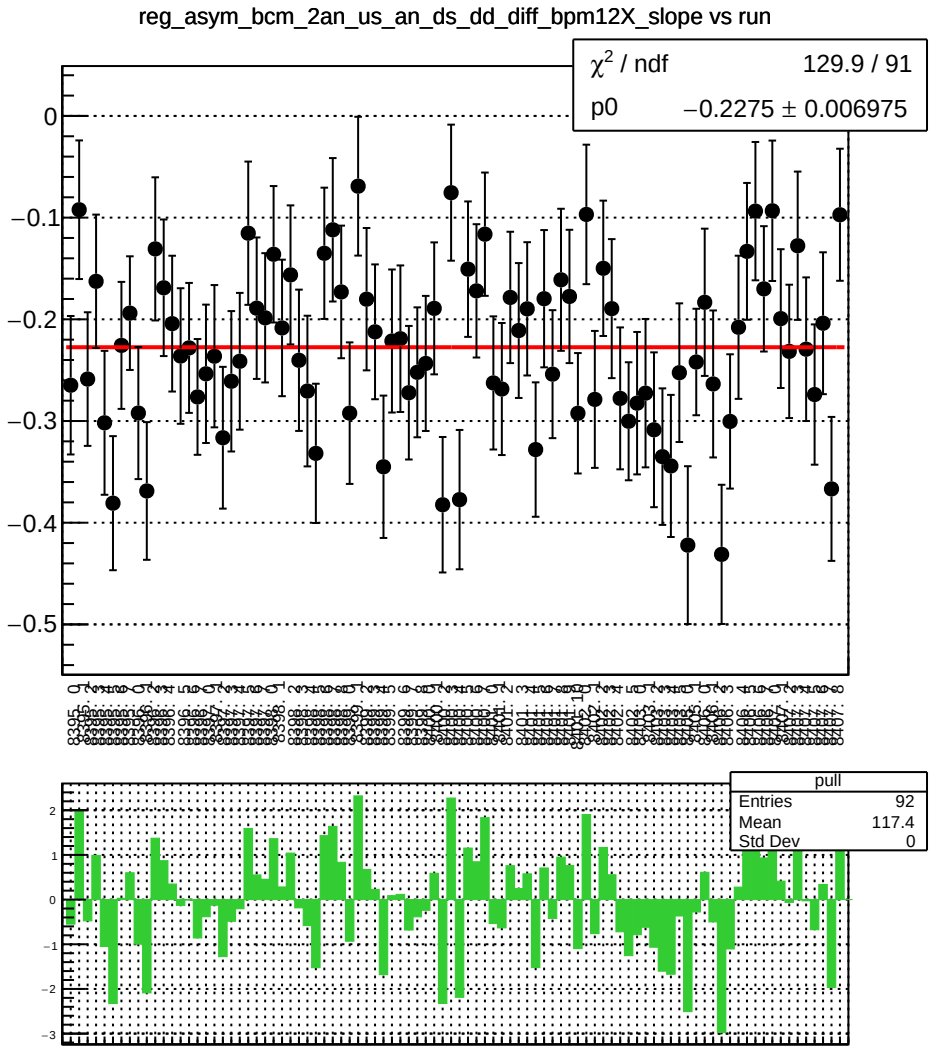

pull1D
Entries 92
Mean 0.01686
Std Dev 1.312

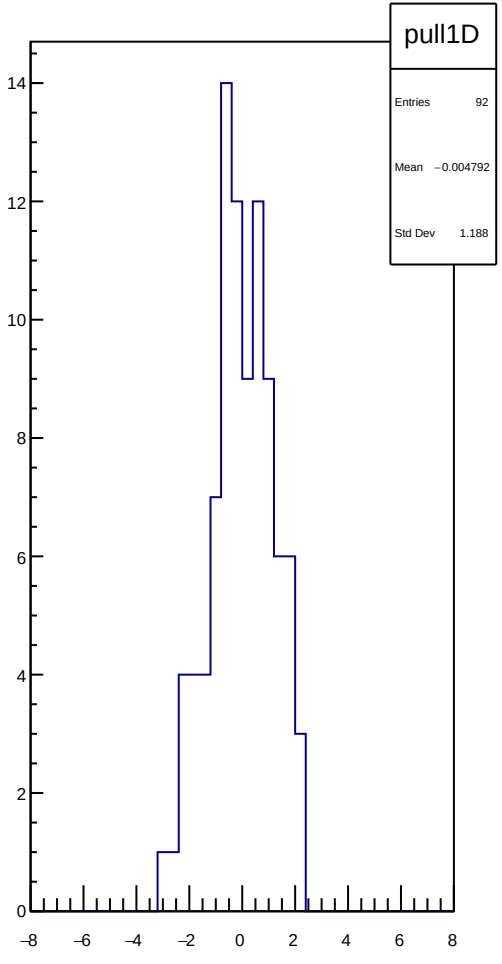

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 97.86 / 91
p0 0.7204 ± 0.1083
pull
Entries 92
Mean 1561
Std Dev 0

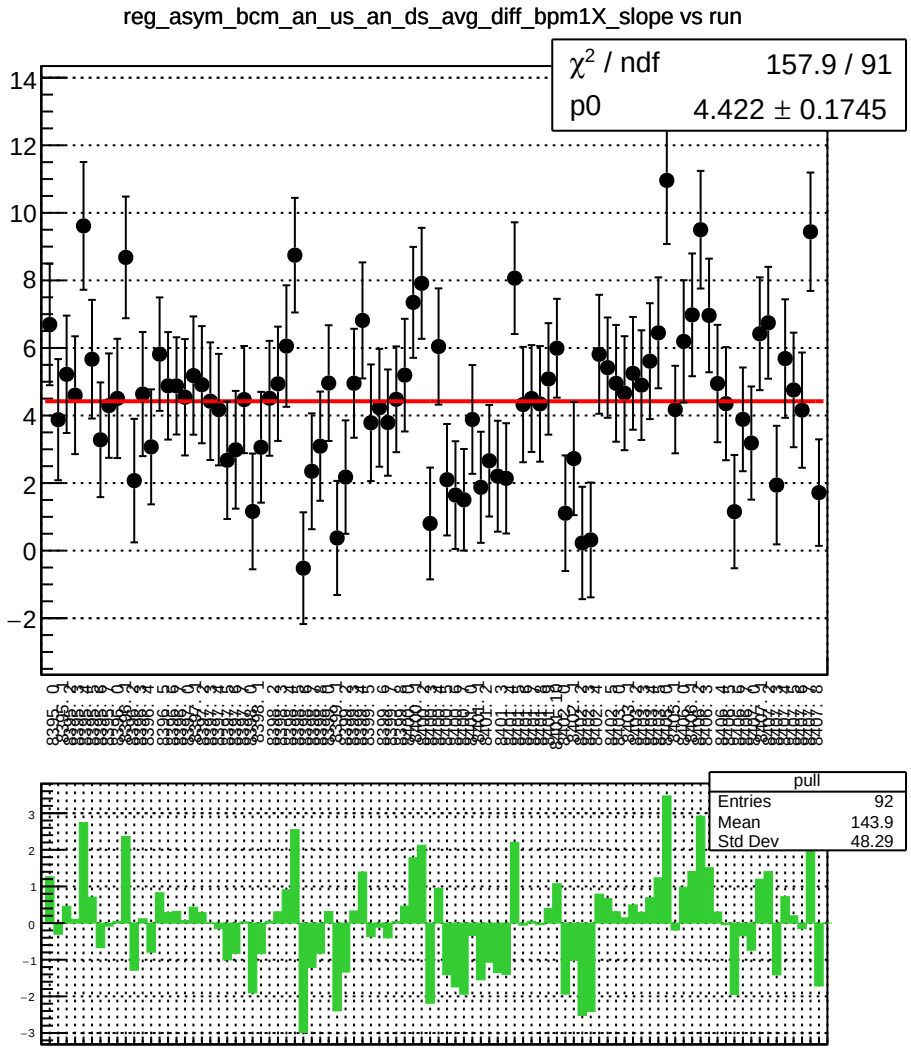

pull1D
Entries 92
Mean −0.001549
Std Dev 1.031

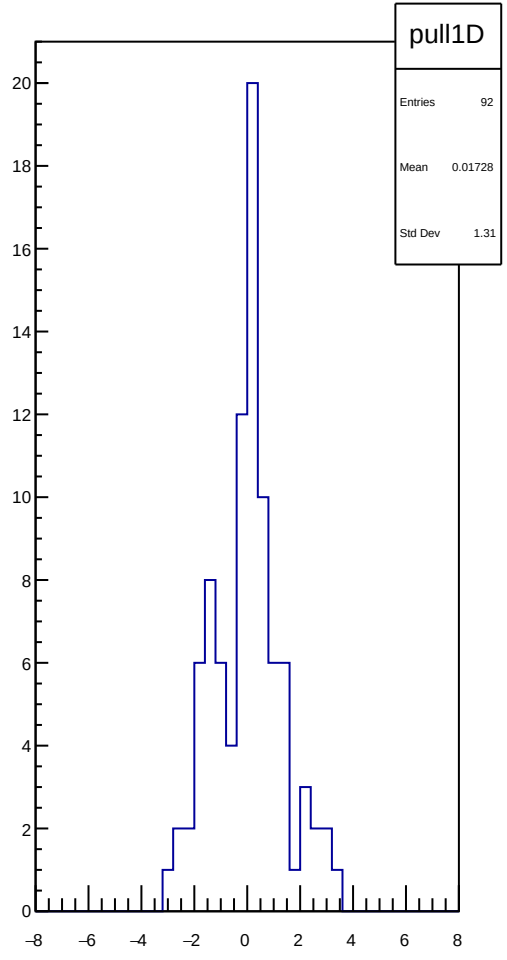

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 161.1 / 91
p0 −1.862 ± 0.06652
pull
Entries 92
Mean 152.3
Std Dev 36.17
pull1D
Entries 92
Mean −0.01479
Std Dev 1.323

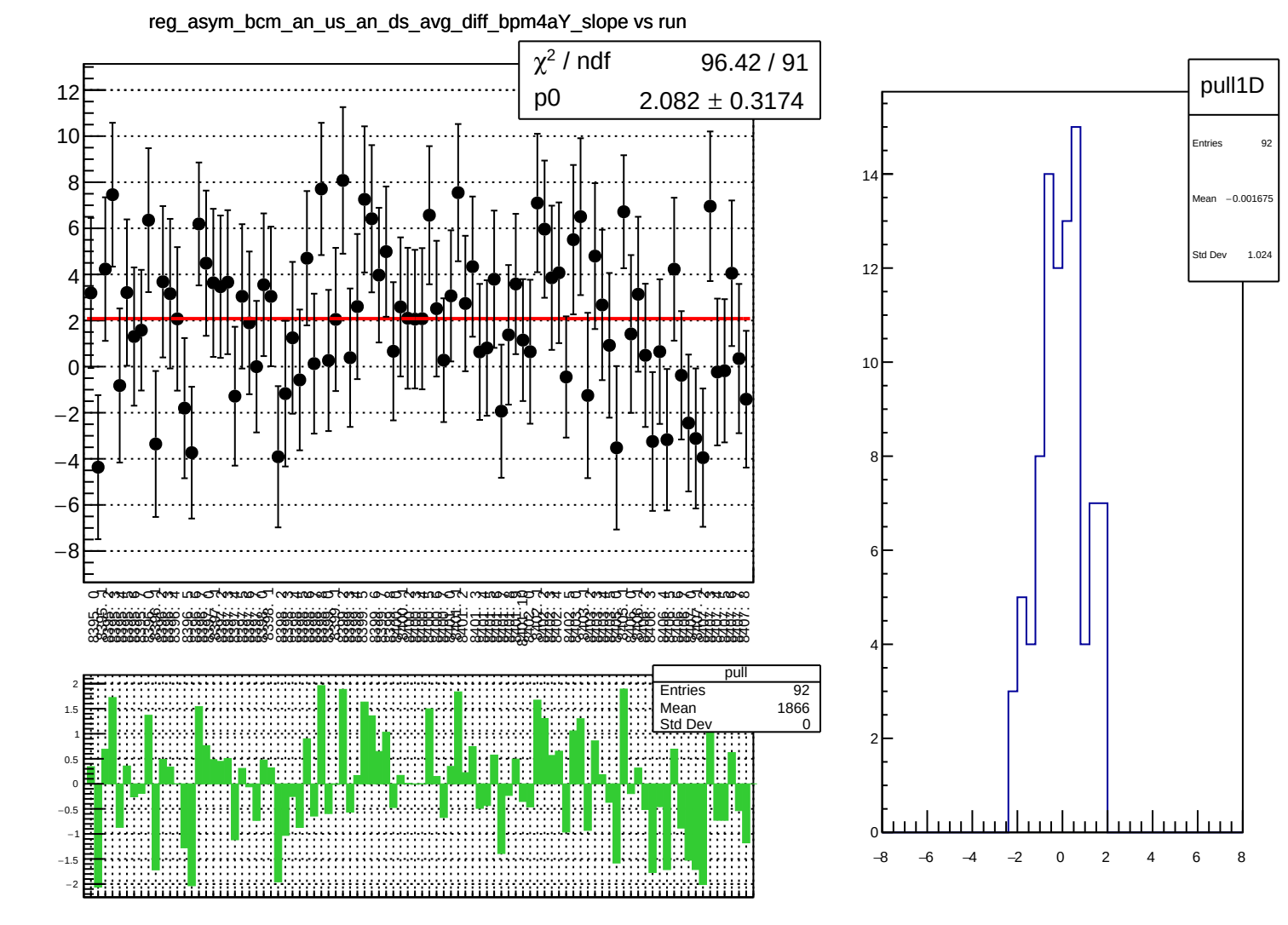

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 98.95 / 91
p0 −0.6792 ± 0.1132
pull
Entries 92
Mean 934.2
Std Dev 0
pull1D
Entries 92
Mean 0.002286
Std Dev 1.037

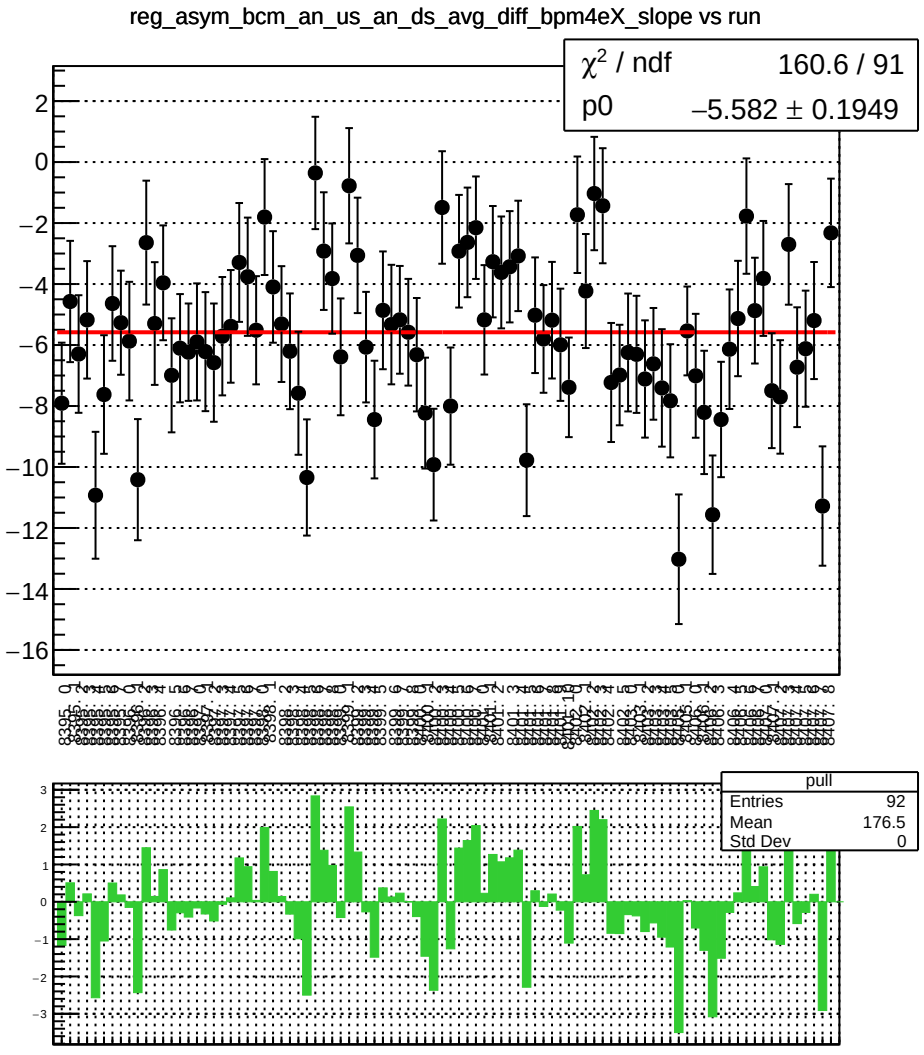

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 129.9 / 91
p0 −0.2275 ± 0.006975
pull
Entries 92
Mean 117.4
Std Dev 0

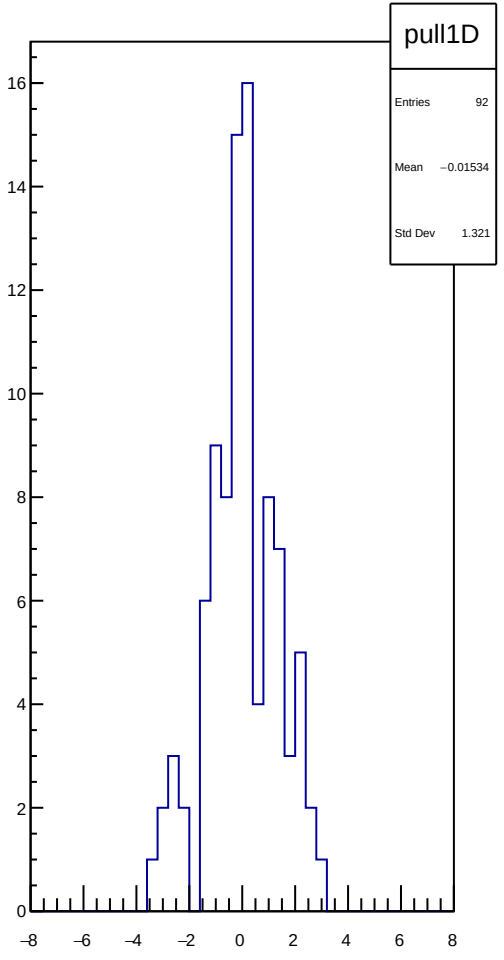

pull1D
Entries 92
Mean −0.004792
Std Dev 1.188

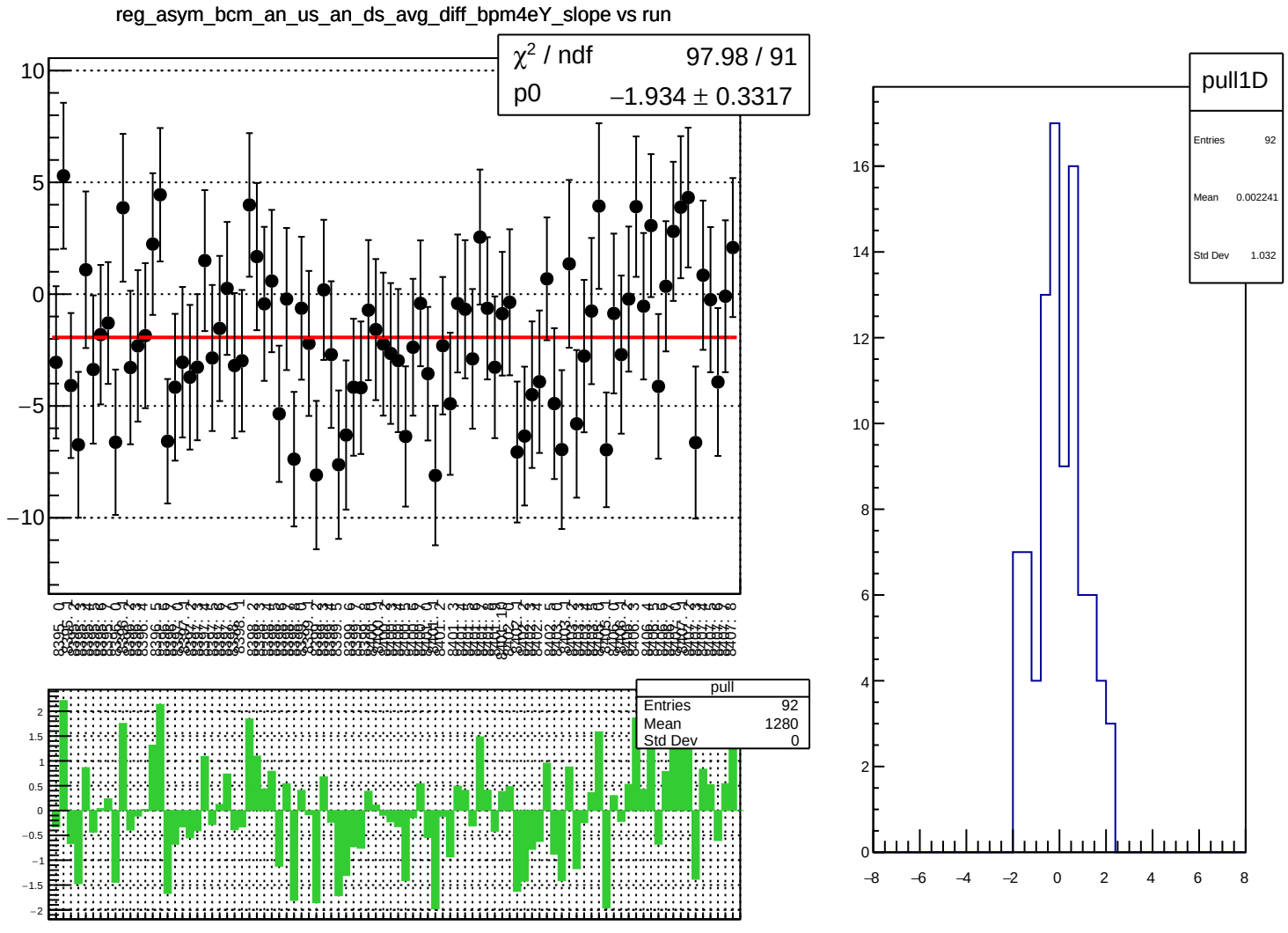

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 157.9 / 91
p0 4.422 ± 0.1745
pull
Entries 92
Mean 143.9
Std Dev 48.29

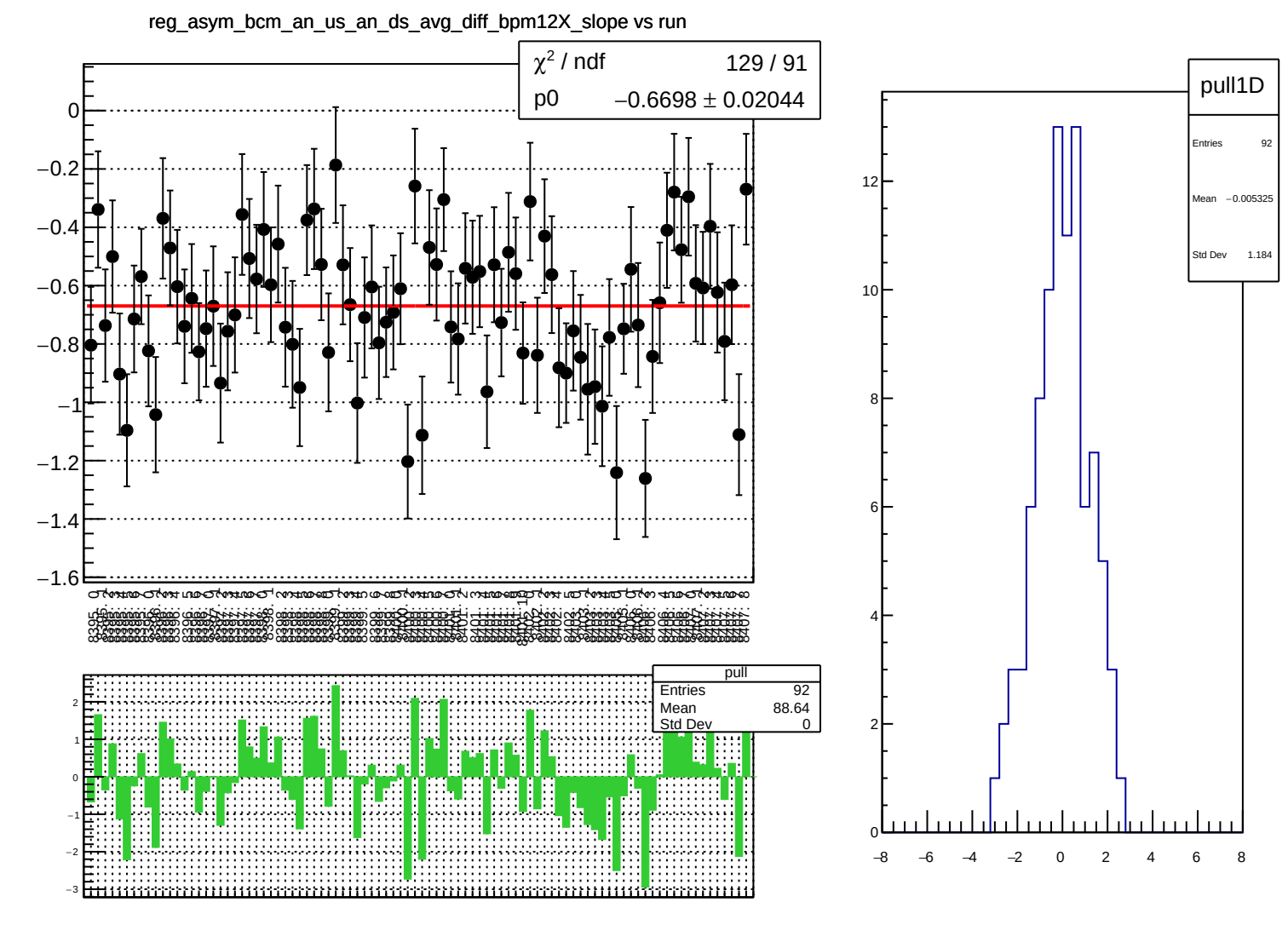

pull1D
Entries 92
Mean 0.01728
Std Dev 1.31

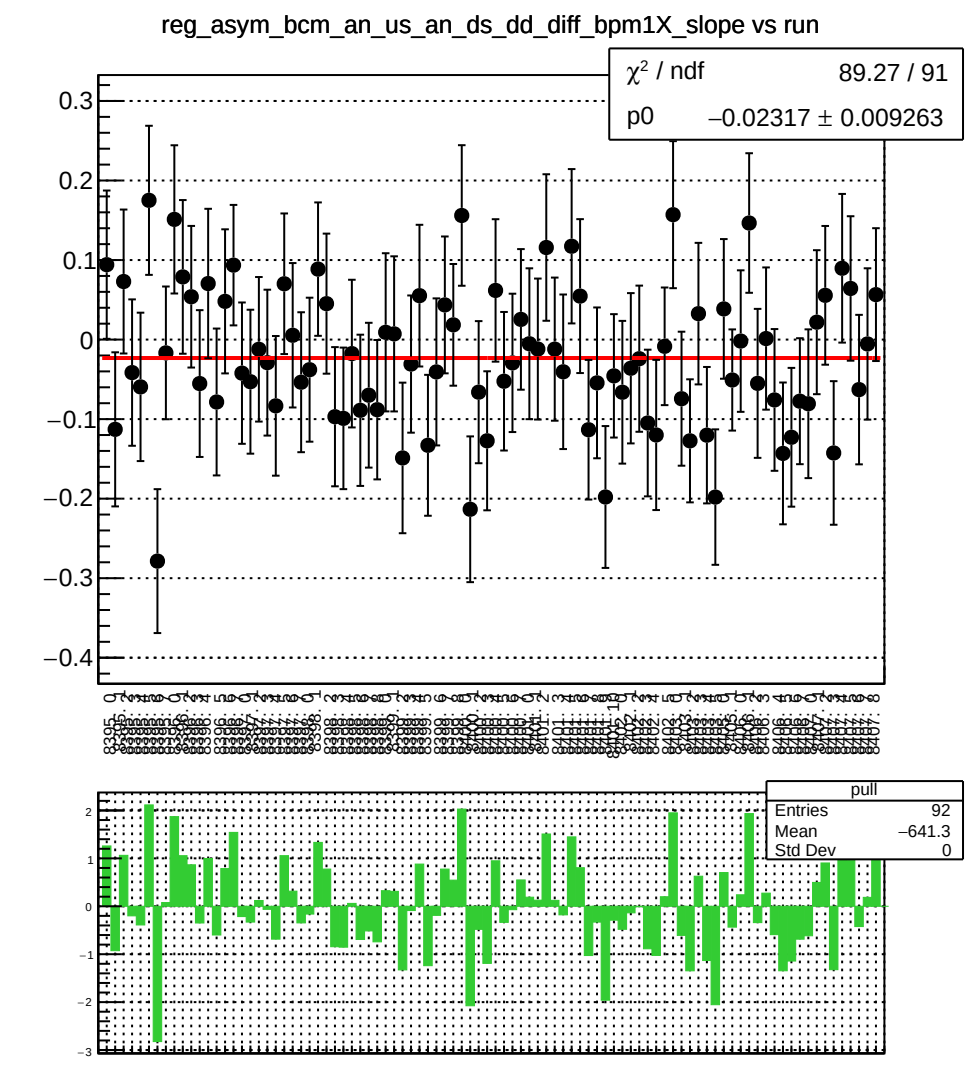

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 96.42 / 91
p0 2.082 ± 0.3174
pull
Entries 92
Mean 1866
Std Dev 0
pull1D
Entries 92
Mean −0.001675
Std Dev 1.024

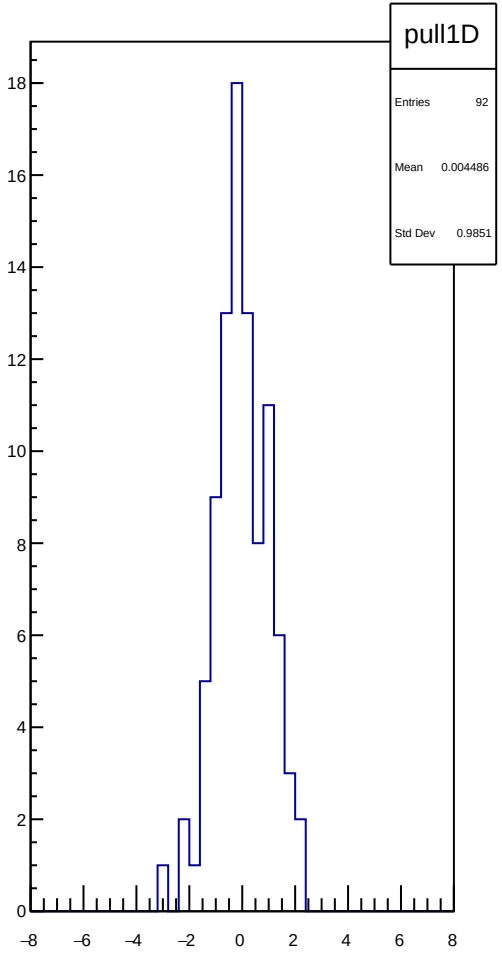

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 160.6 / 91
p0 −5.582 ± 0.1949
pull
Entries 92
Mean 176.5
Std Dev 0

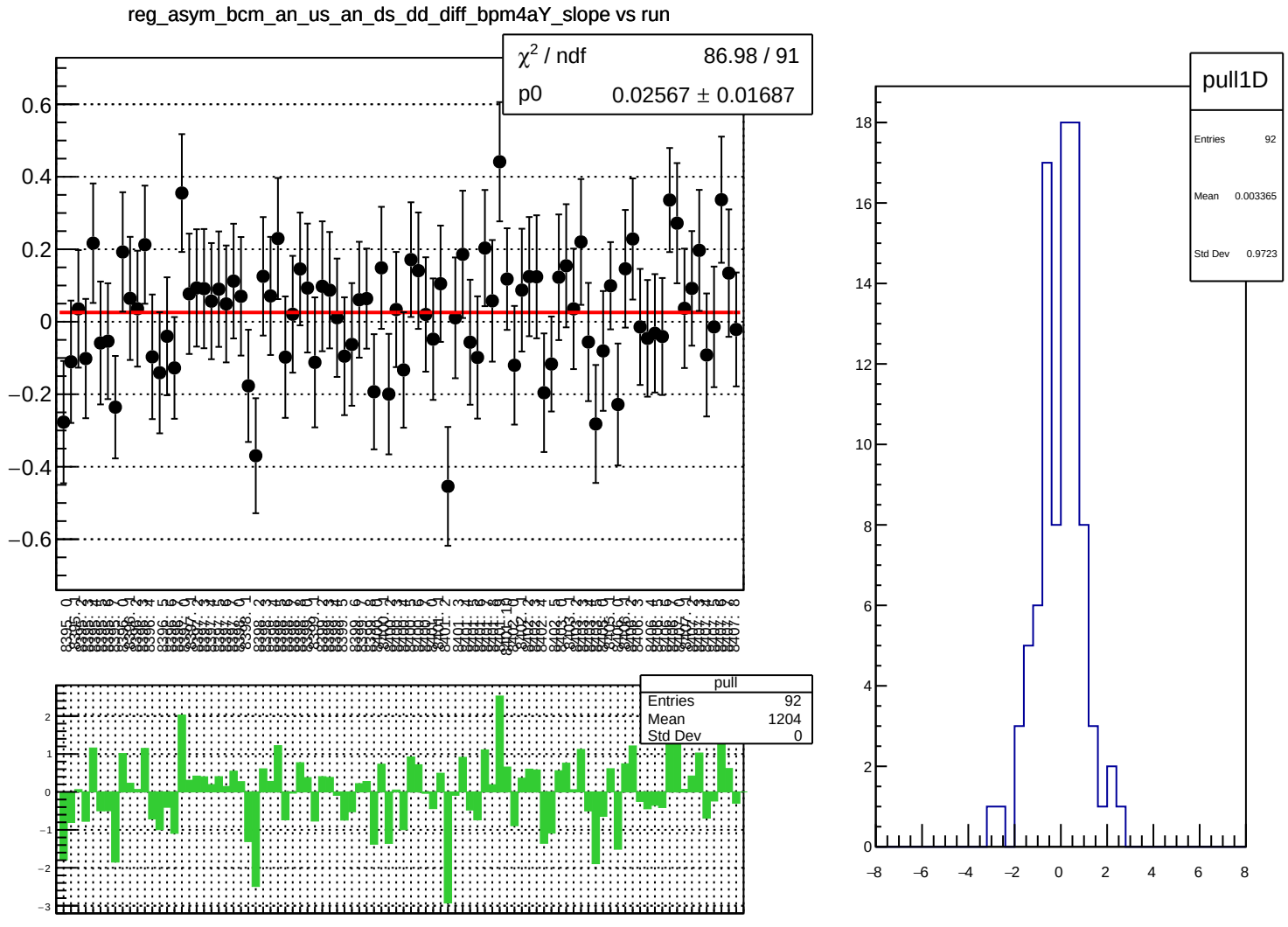

pull1D
Entries 92
Mean −0.01534
Std Dev 1.321

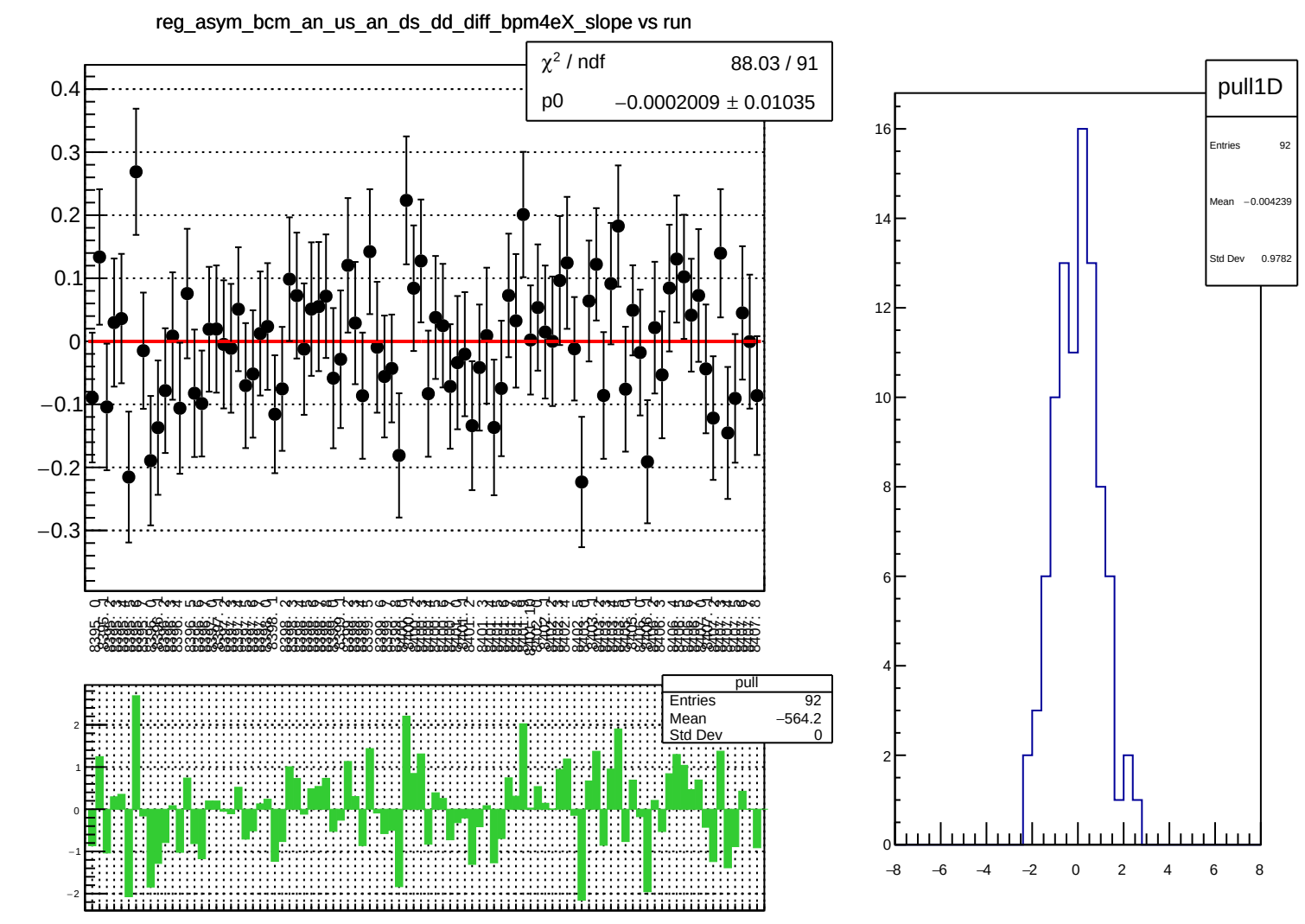

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 97.98 / 91
p0 −1.934 ± 0.3317
pull
Entries 92
Mean 1280
Std Dev 0
pull1D
Entries 92
Mean 0.002241
Std Dev 1.032

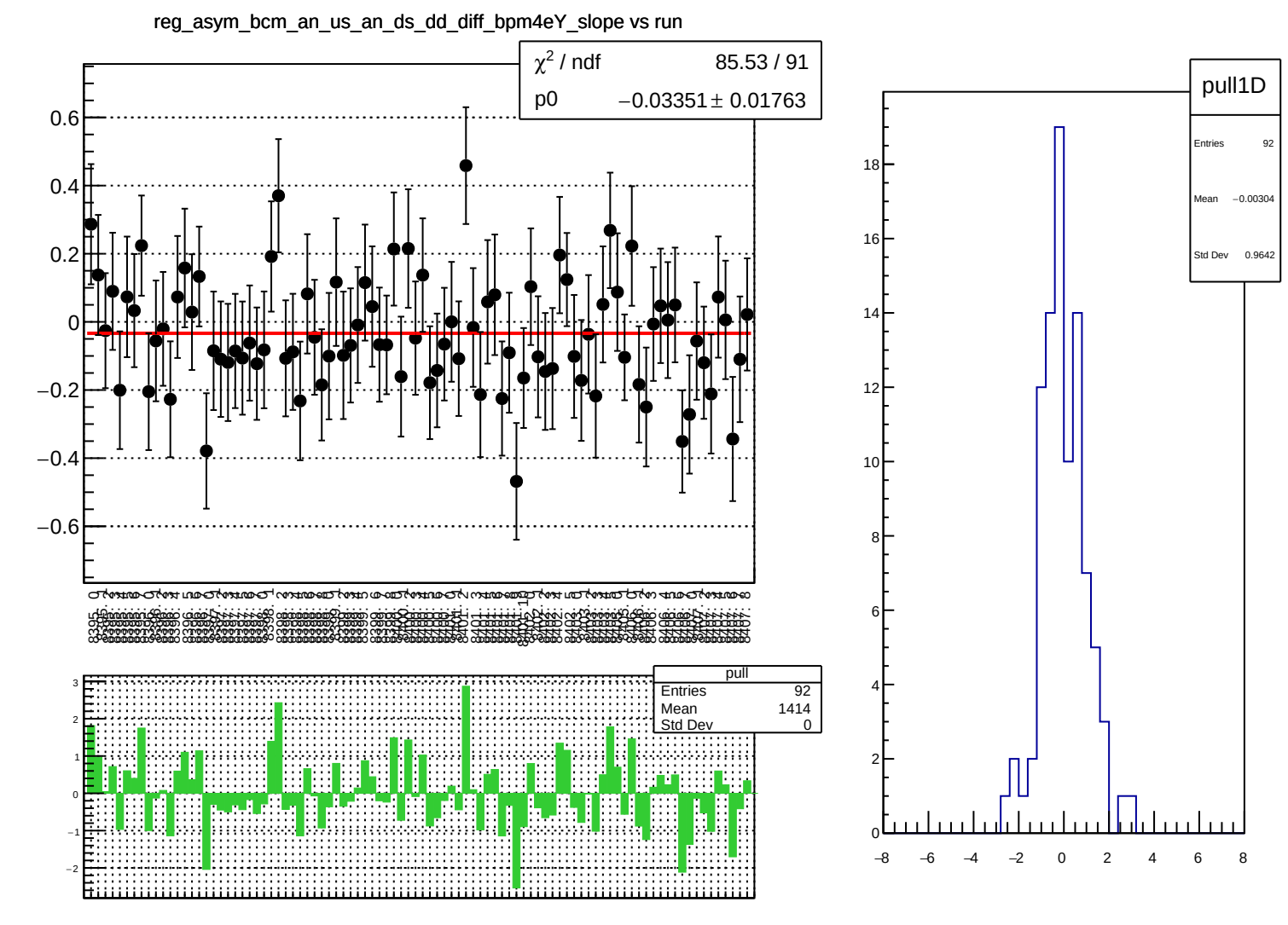

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 129 / 91
p0 −0.6698 ± 0.02044
pull
Entries 92
Mean 88.64
Std Dev 0
pull1D
Entries 92
Mean −0.005325
Std Dev 1.184

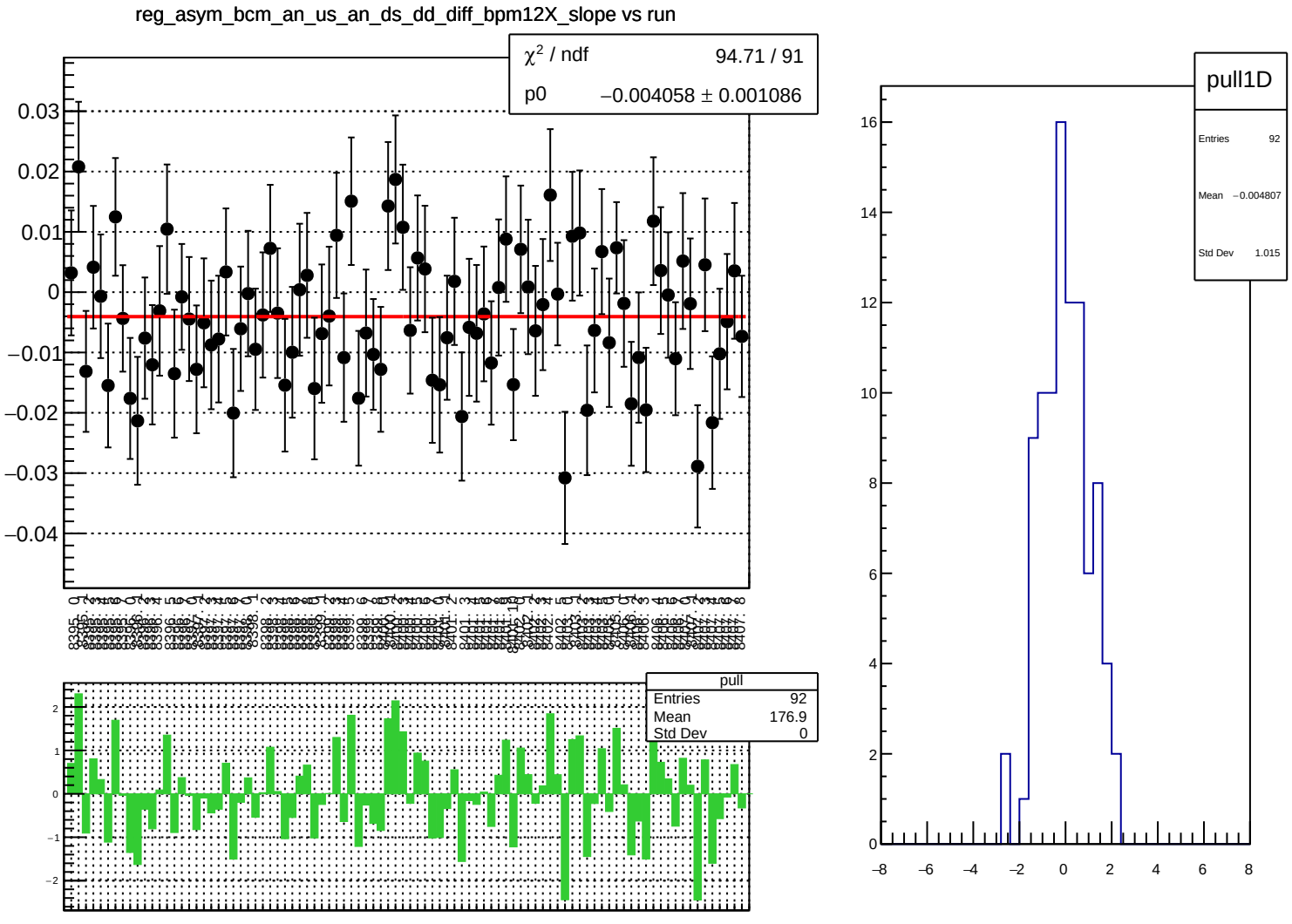

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 89.27 / 91
p0 −0.02317 ± 0.009263
pull
Entries 92
Mean −641.3
Std Dev 0

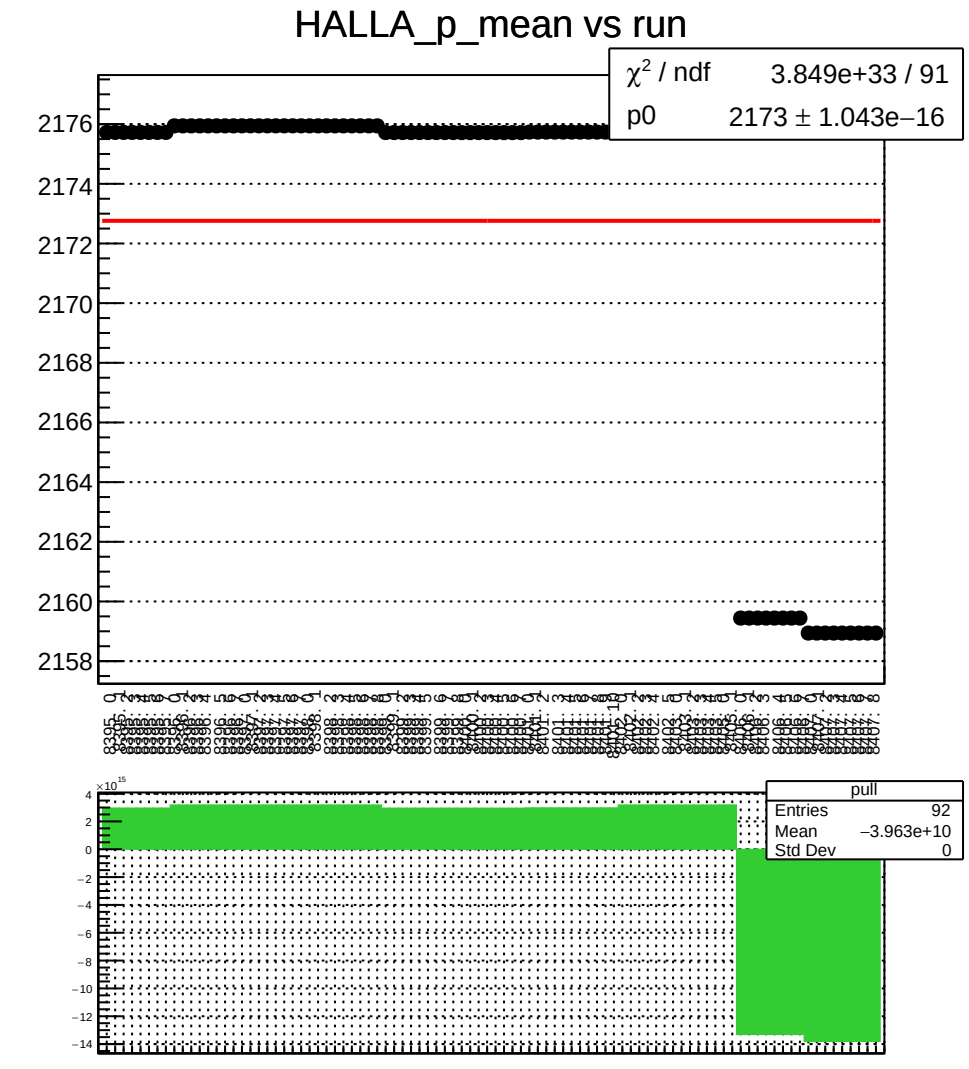

pull1D
Entries 92
Mean 0.004486
Std Dev 0.9851

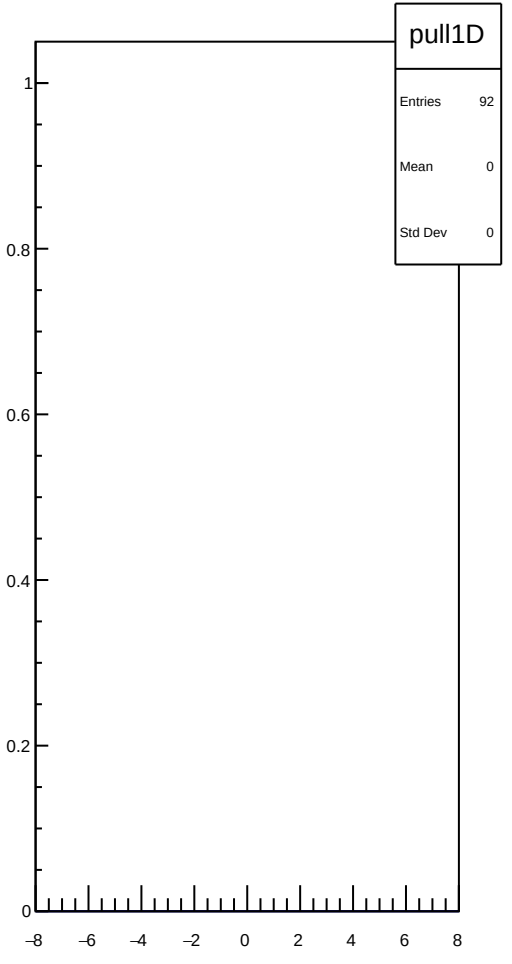

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.98 / 91
p0 0.02567 ± 0.01687
pull
Entries 92
Mean 1204
Std Dev 0
pull1D
Entries 92
Mean 0.003365
Std Dev 0.9723

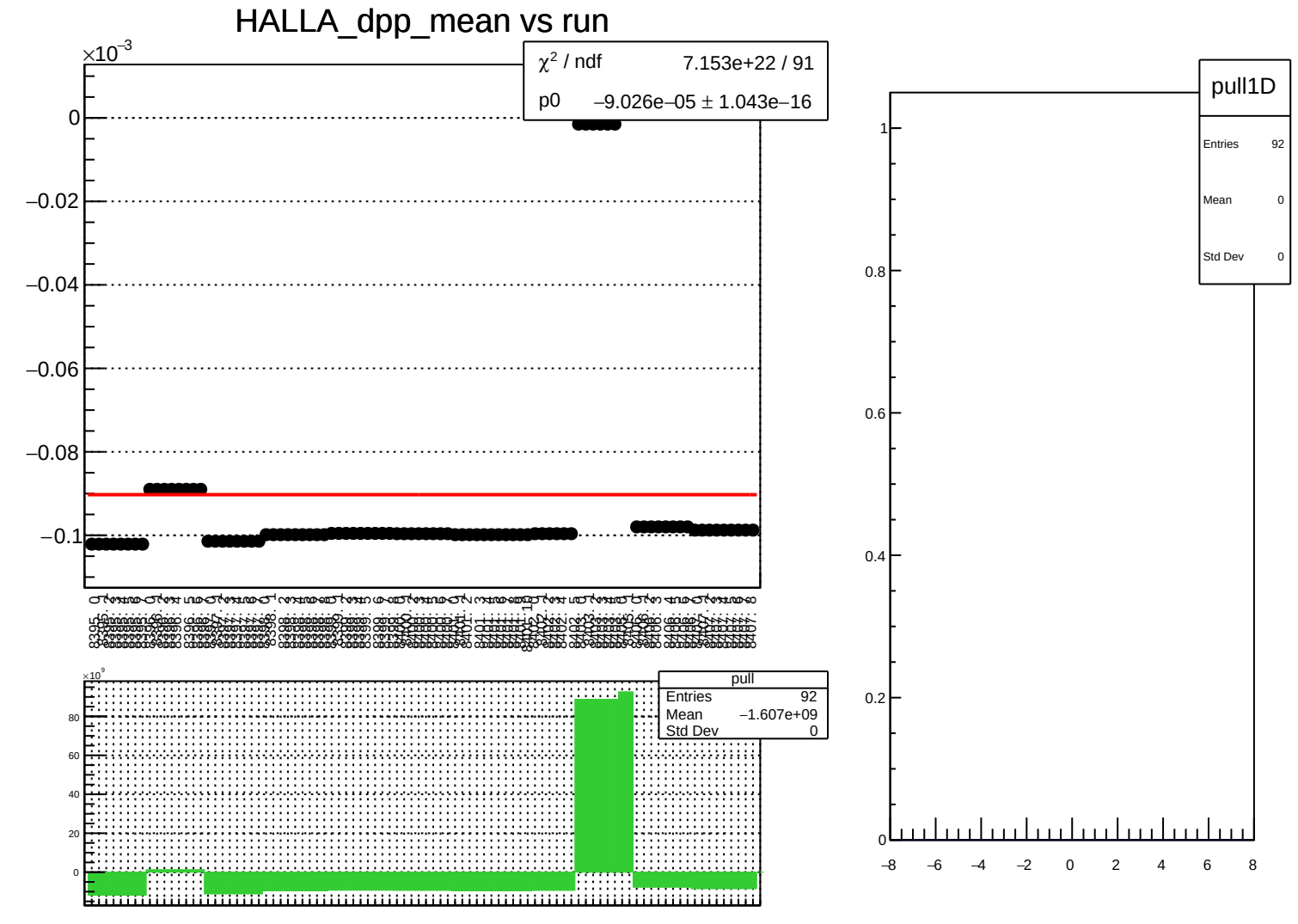

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.03 / 91
p0 −0.0002009 ± 0.01035
pull
Entries 92
Mean −564.2
Std Dev 0
pull1D
Entries 92
Mean −0.004239
Std Dev 0.9782

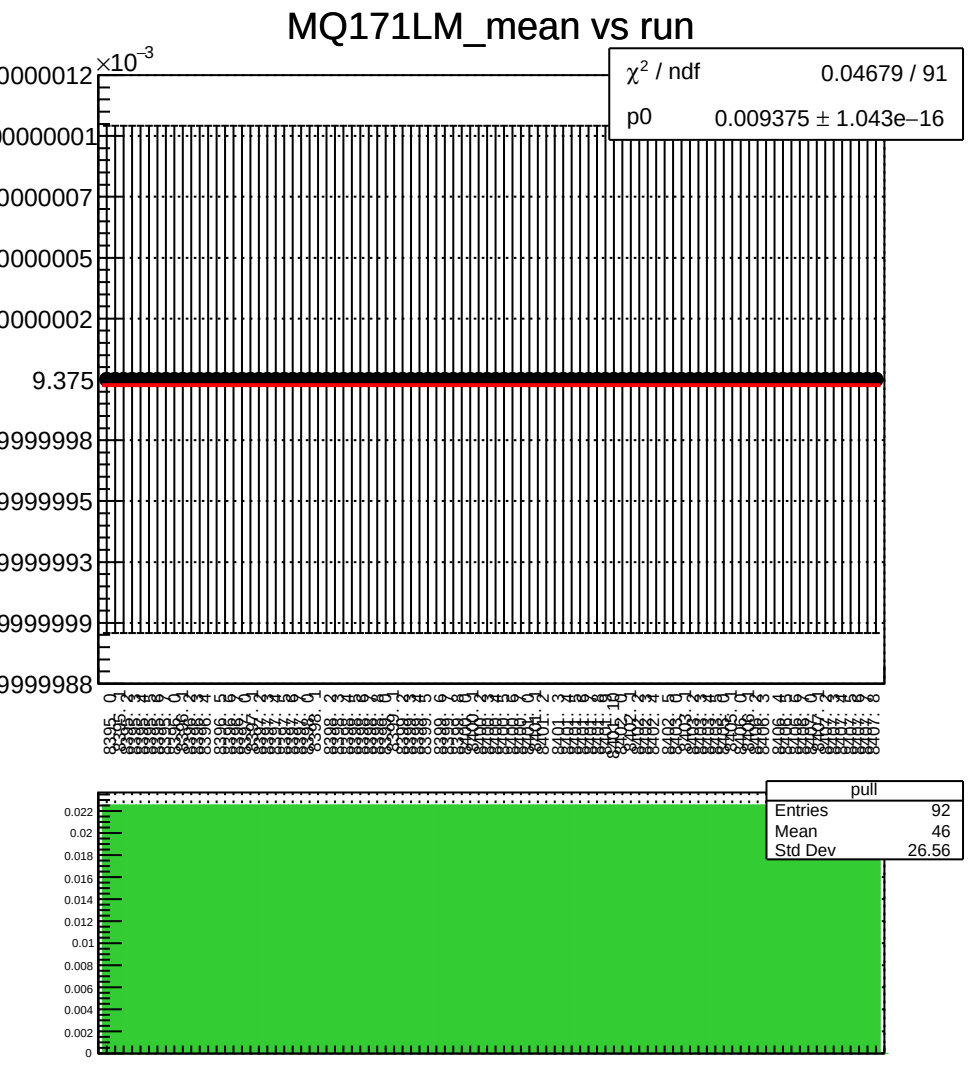

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.53 / 91
p0 −0.03351 ± 0.01763
pull
Entries 92
Mean 1414
Std Dev 0
pull1D
Entries 92
Mean −0.00304
Std Dev 0.9642

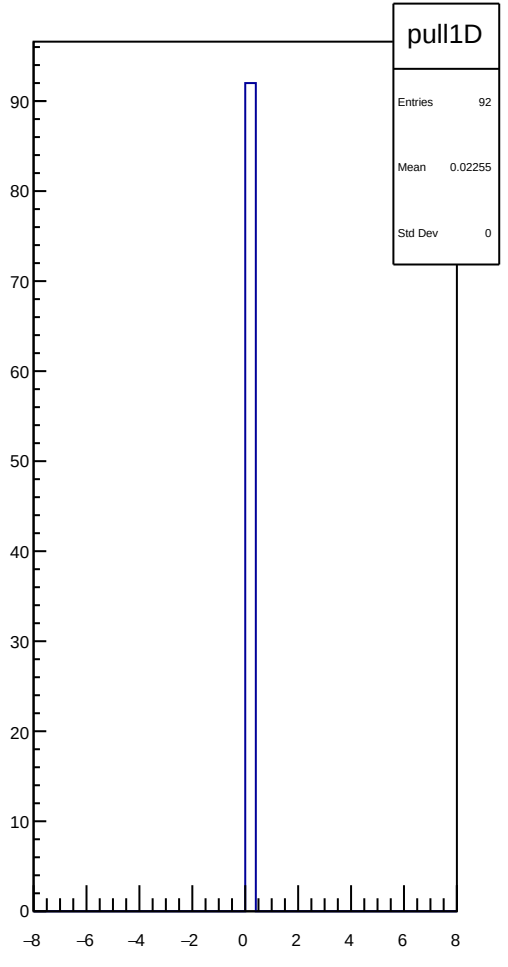

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 94.71 / 91
p0 −0.004058 ± 0.001086
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 92
Mean 176.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 92
Mean −0.004807
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

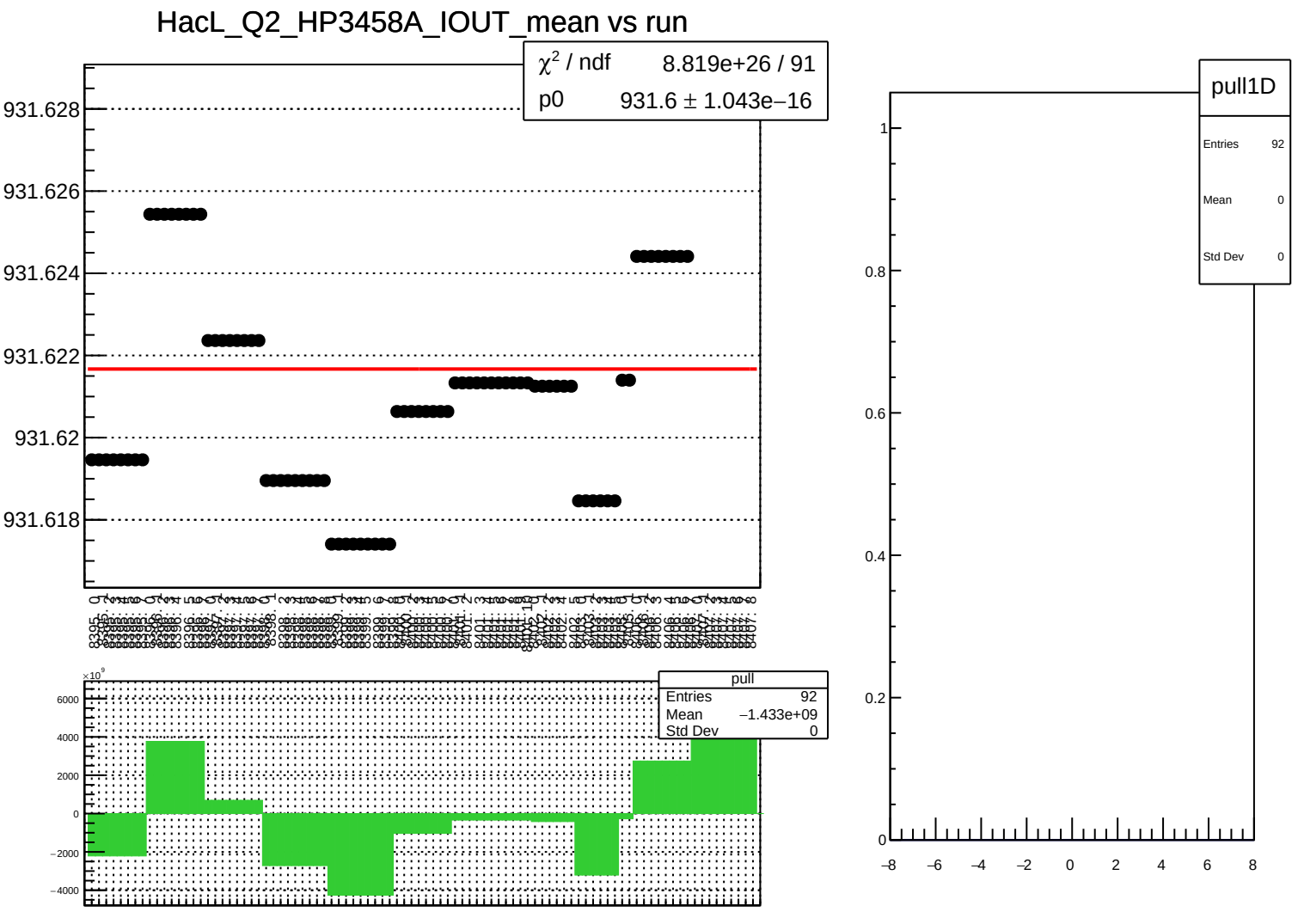

HALLA_p_mean vs run
χ² / ndf 3.849e+33 / 91
p0 2173 ± 1.043e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 92
Mean −3.963e+10
Std Dev 0
×10¹⁵
4
2
0
−2
−4
−6
−8
−10
−12
−14

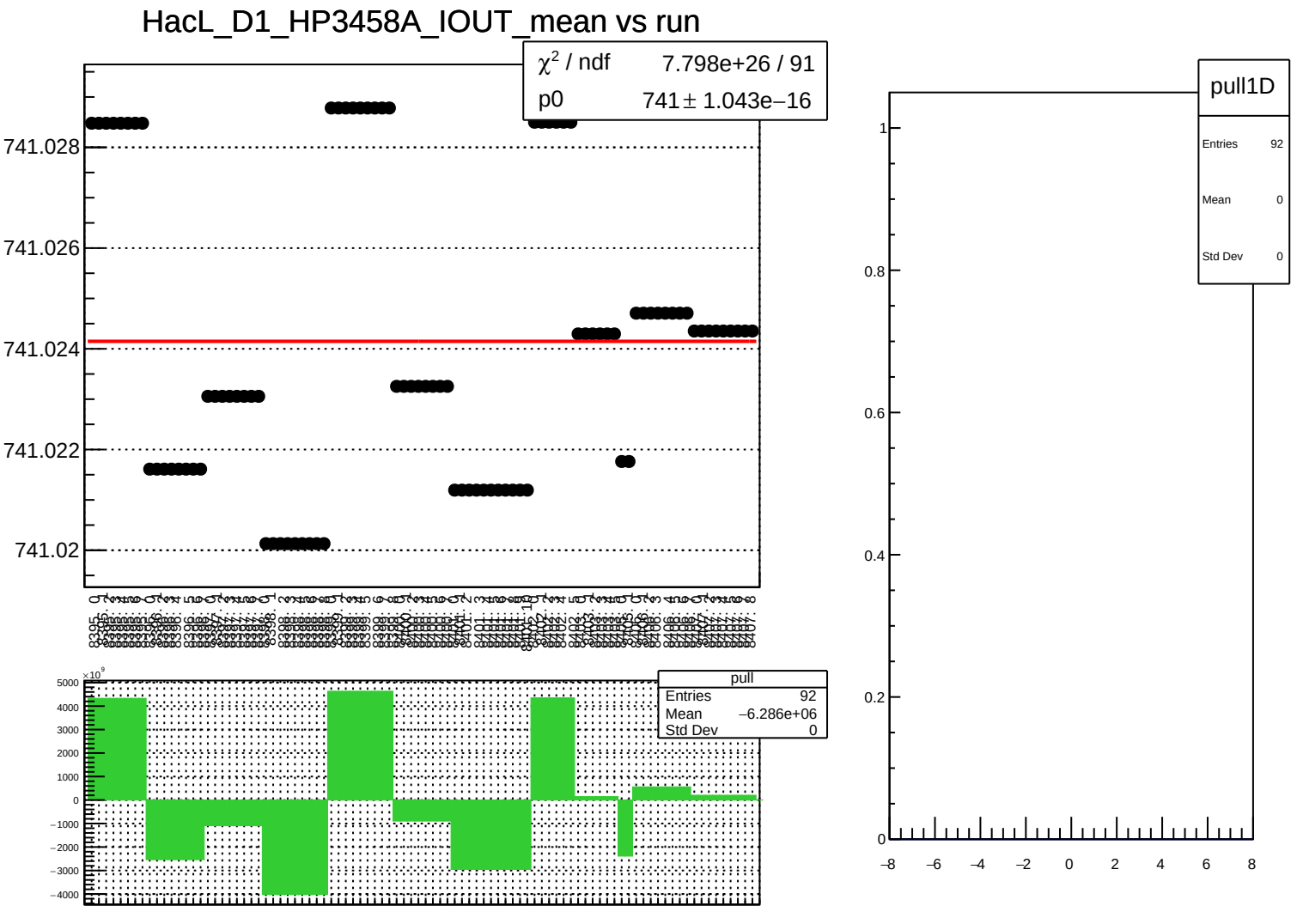

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

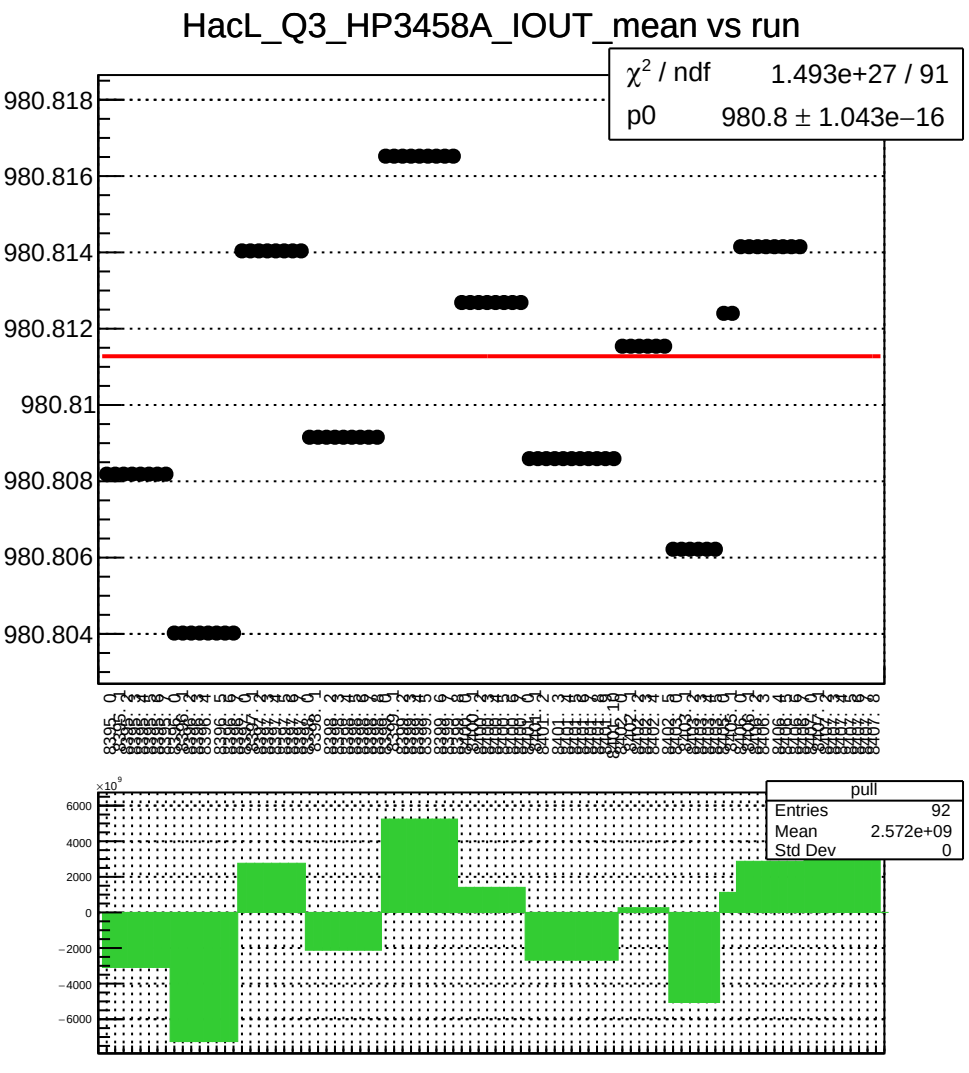

HALLA_dpp_mean vs run
χ² / ndf 7.153e+22 / 91
p0 −9.026e−05 ± 1.043e−16
×10⁻³
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 92
Mean −1.607e+09
Std Dev 0
×10⁹
80
60
40
20
0
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

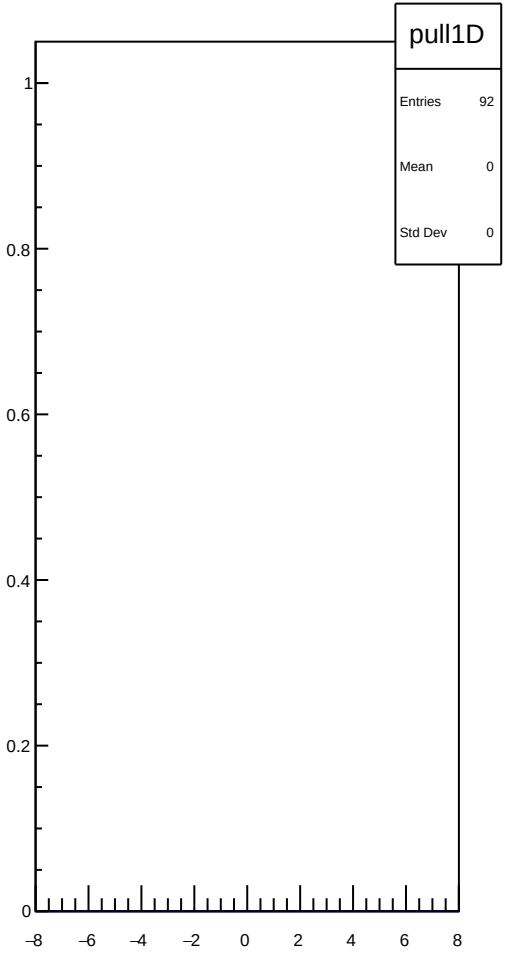

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0.04679 / 91
p0 0.009375 ± 1.043e−16
9.375
pull
Entries 92
Mean 46
Std Dev 26.56

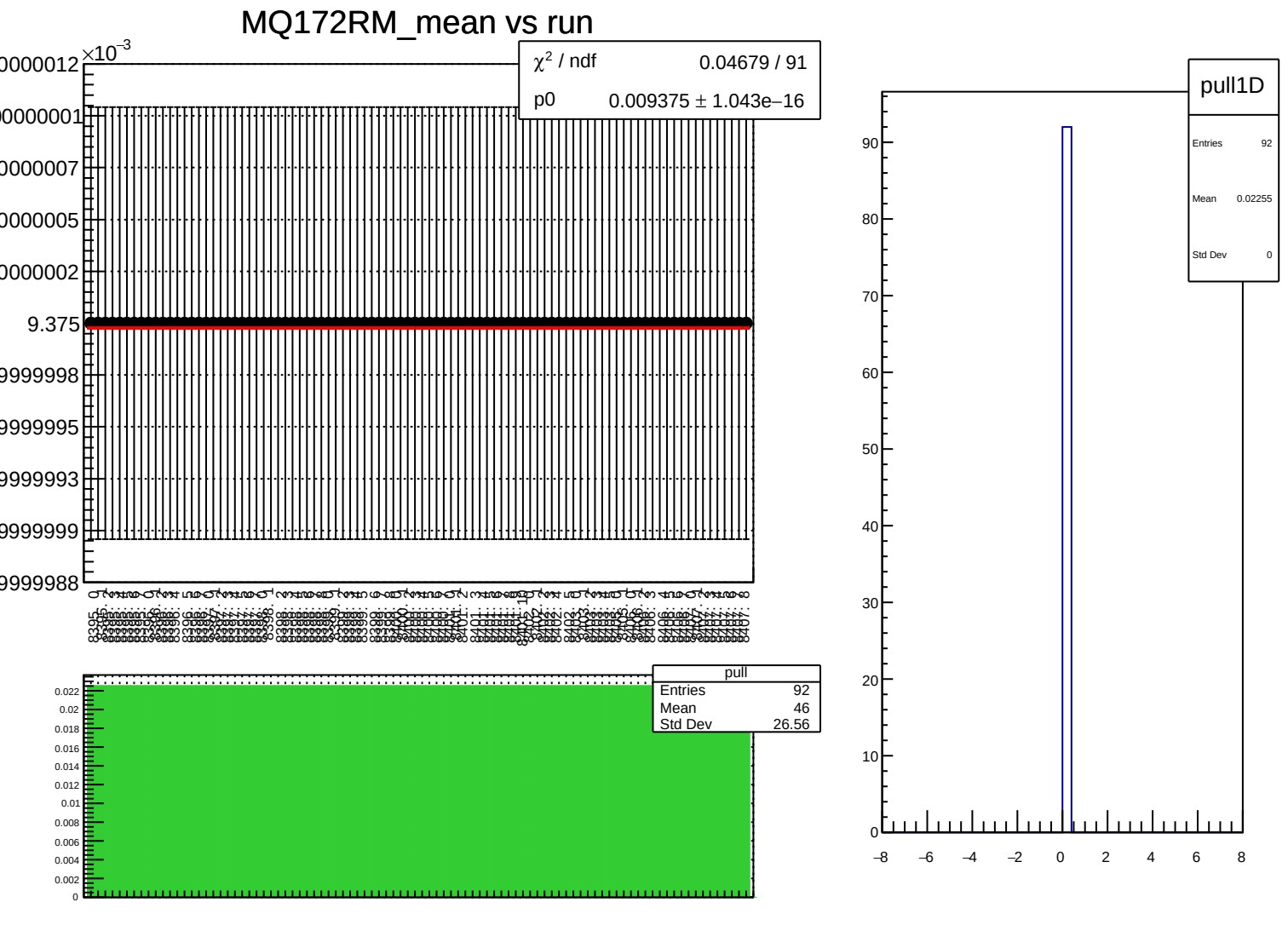

pull1D
Entries 92
Mean 0.02255
Std Dev 0

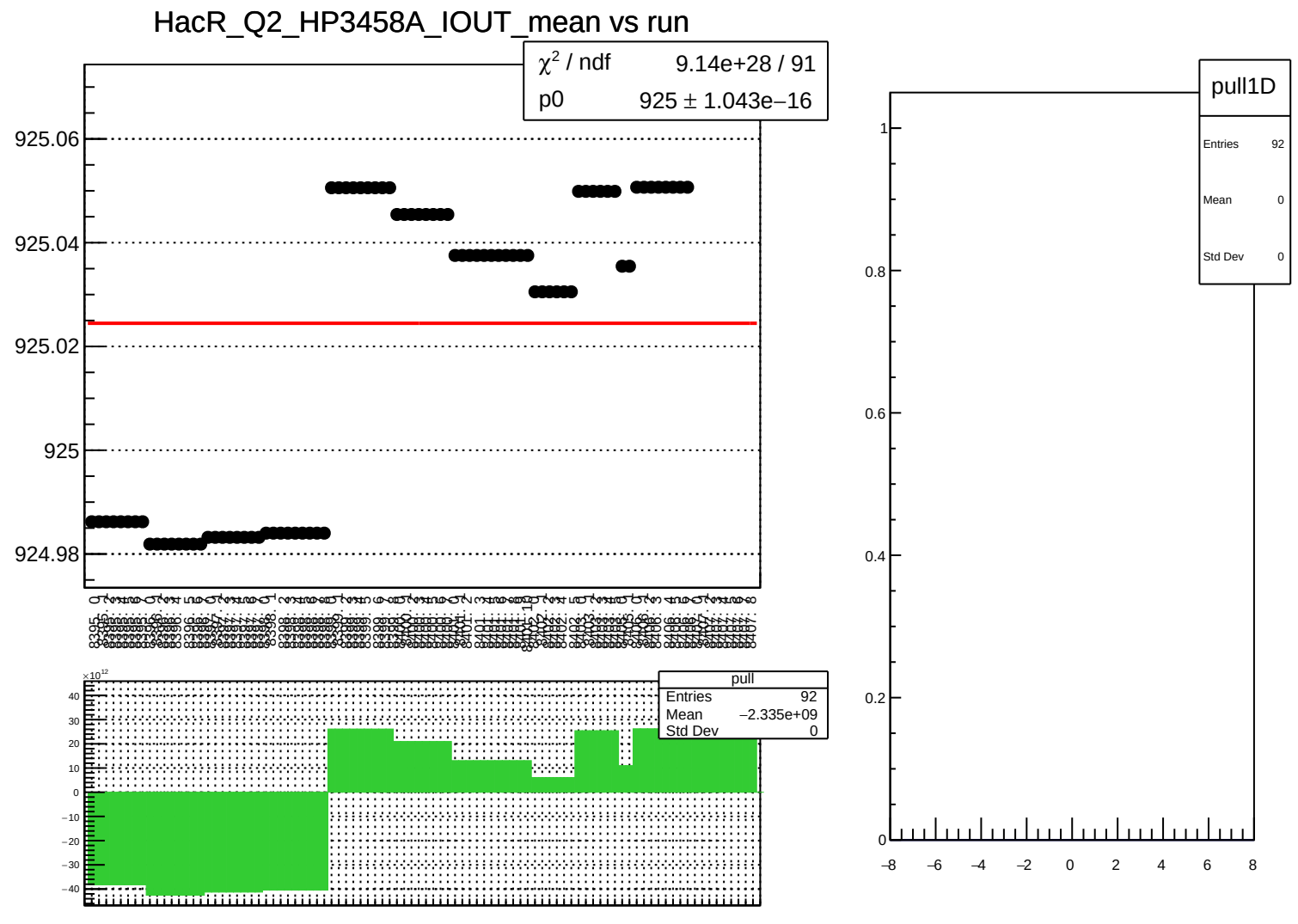

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 8.819e+26 / 91
p0 931.6 ± 1.043e−16
931.628
931.626
931.624
931.622
931.62
931.618
×10⁹
6000
4000
2000
0
−2000
−4000
pull
Entries 92
Mean −1.433e+09
Std Dev 0
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

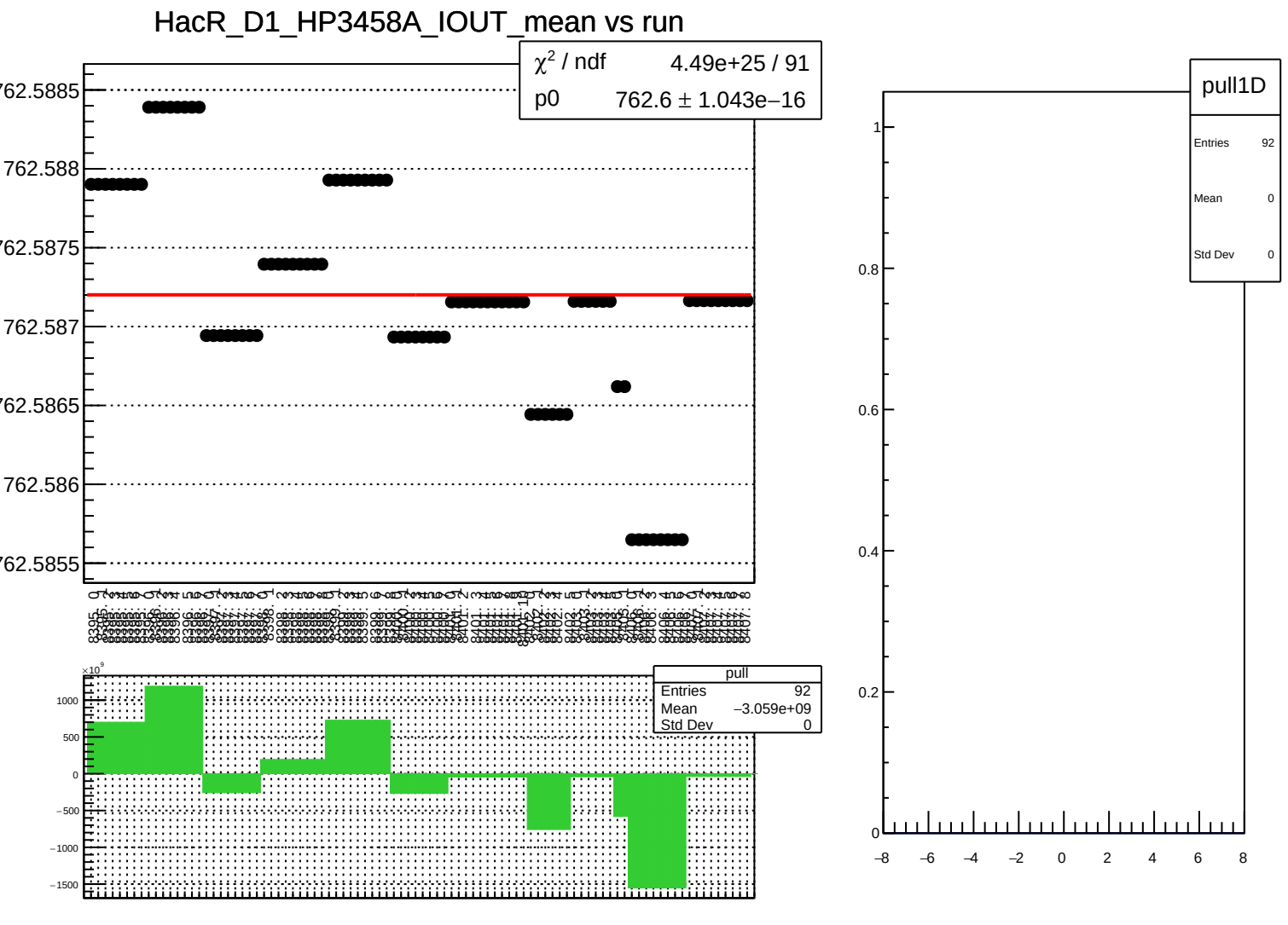

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.798e+26 / 91
p0 741 ± 1.043e−16
741.028
741.026
741.024
741.022
741.02
pull
Entries 92
Mean −6.286e+06
Std Dev 0
×10⁹
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

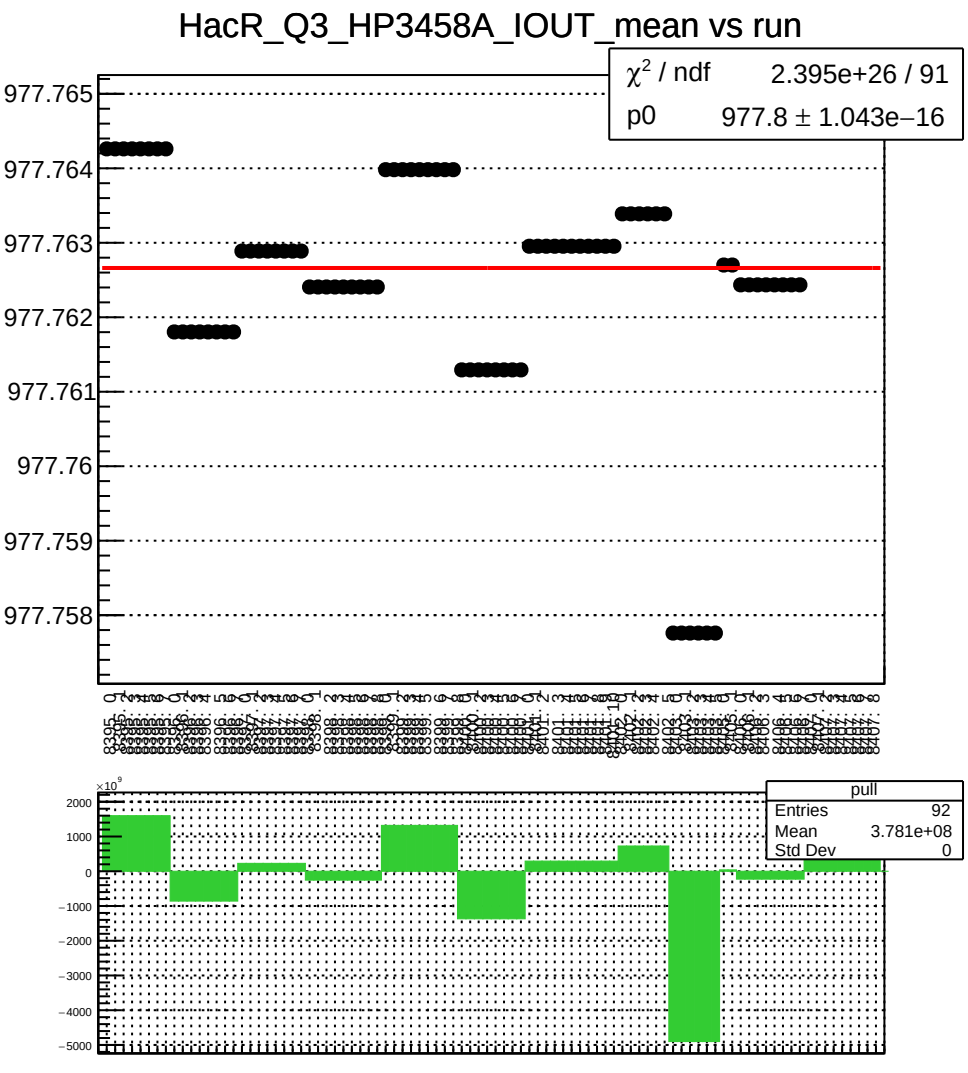

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.493e+27 / 91
p0 980.8 ± 1.043e−16
980.818
980.816
980.814
980.812
980.81
980.808
980.806
980.804
pull
Entries 92
Mean 2.572e+09
Std Dev 0
×10⁹
6000
4000
2000
0
−2000
−4000
−6000

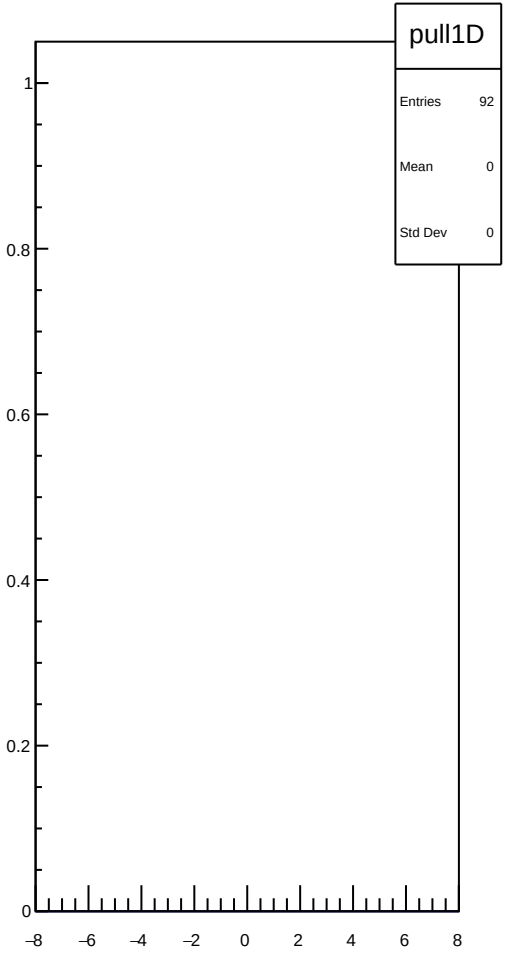

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

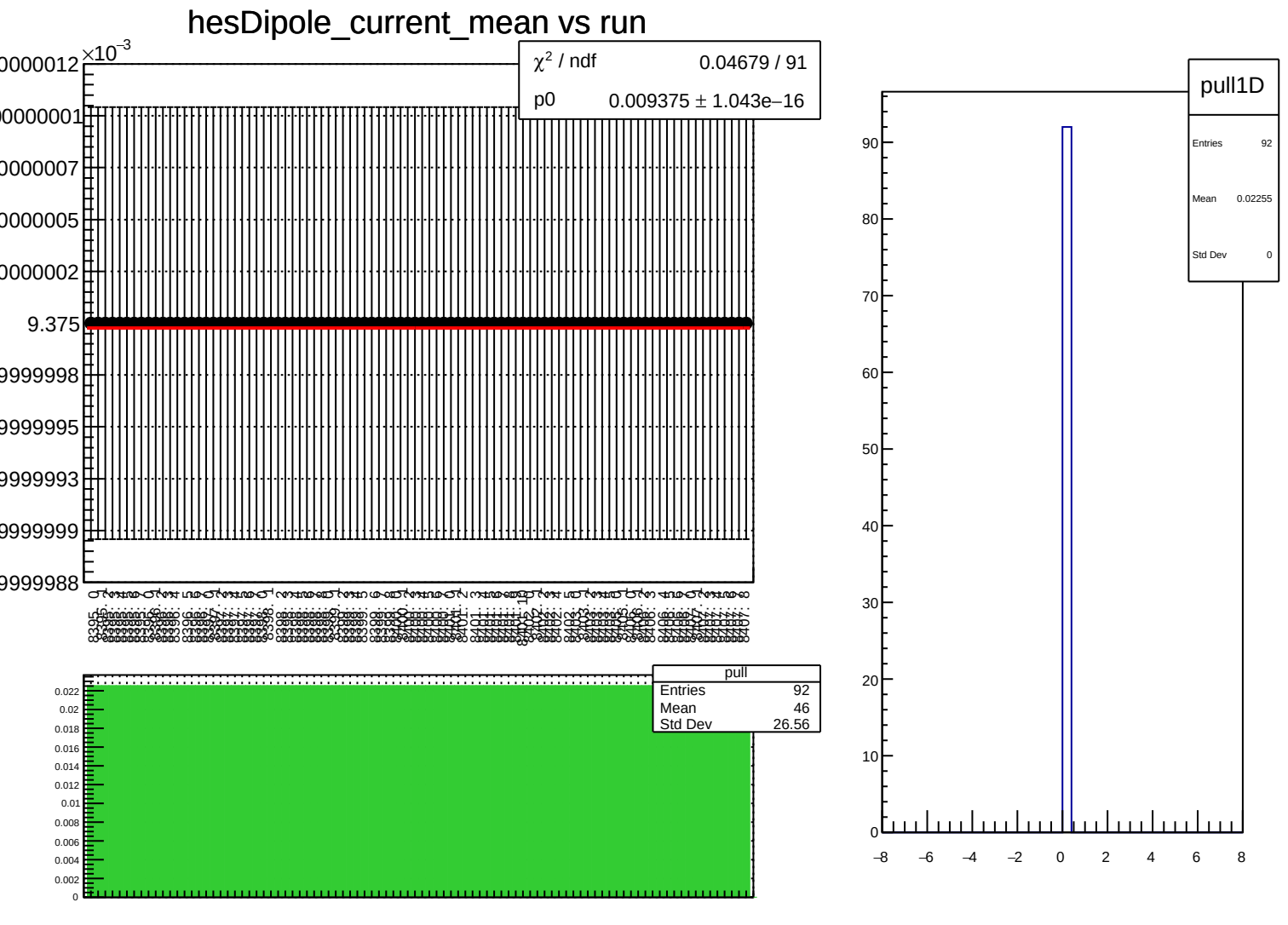

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.04679 / 91
p0 0.009375 ± 1.043e−16
9.375
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 0.02255
Std Dev 0

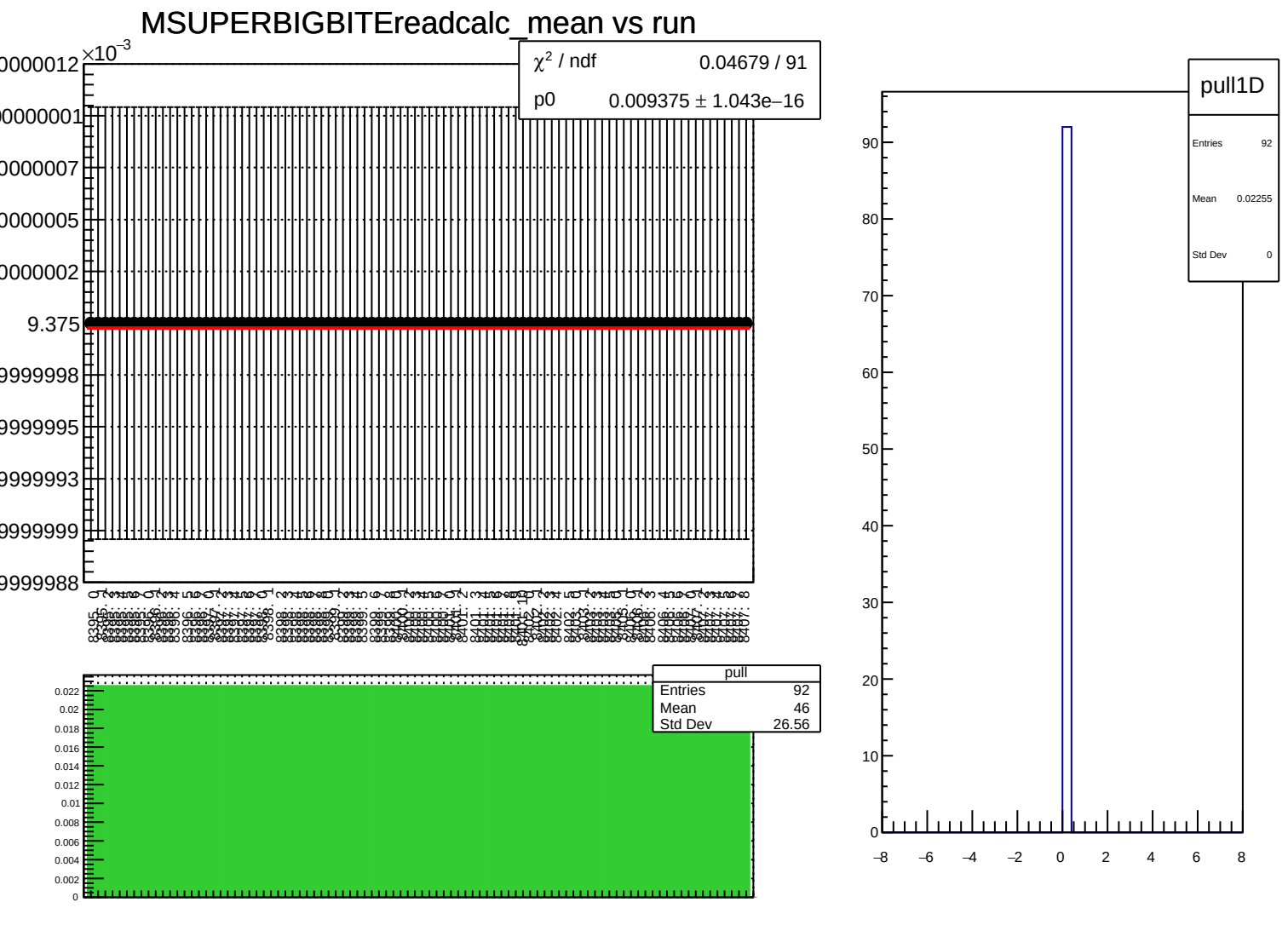

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 9.14e+28 / 91
p0 925 ± 1.043e−16
925.06
925.04
925.02
925
924.98
pull
Entries 92
Mean −2.335e+09
Std Dev 0
×10¹²
40
30
20
10
0
−10
−20
−30
−40
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

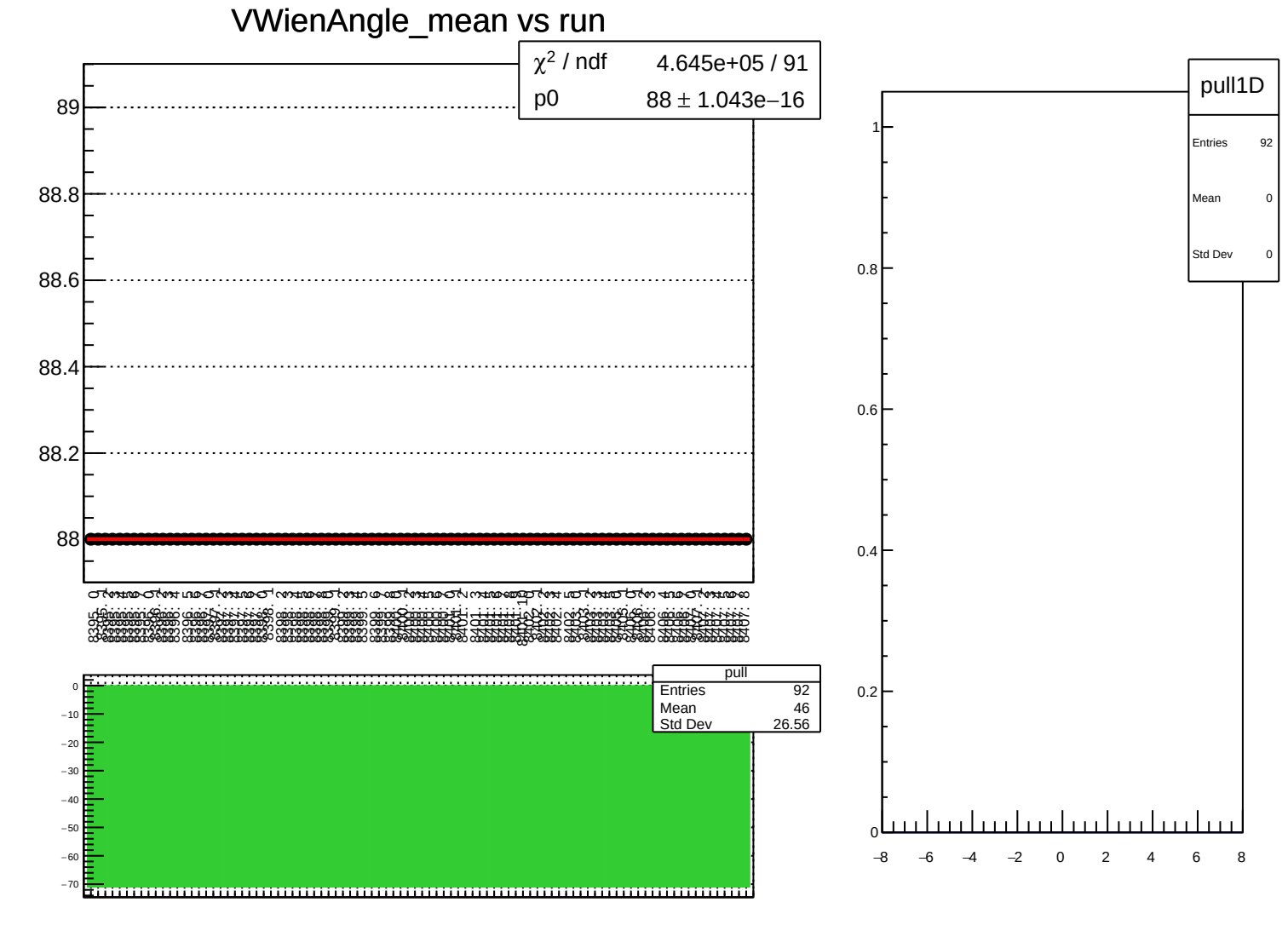

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 4.49e+25 / 91
p0 762.6 ± 1.043e−16
762.5885
762.588
762.5875
762.587
762.5865
762.586
762.5855
pull
Entries 92
Mean −3.059e+09
Std Dev 0
×10⁹
1000
500
0
−500
−1000
−1500
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

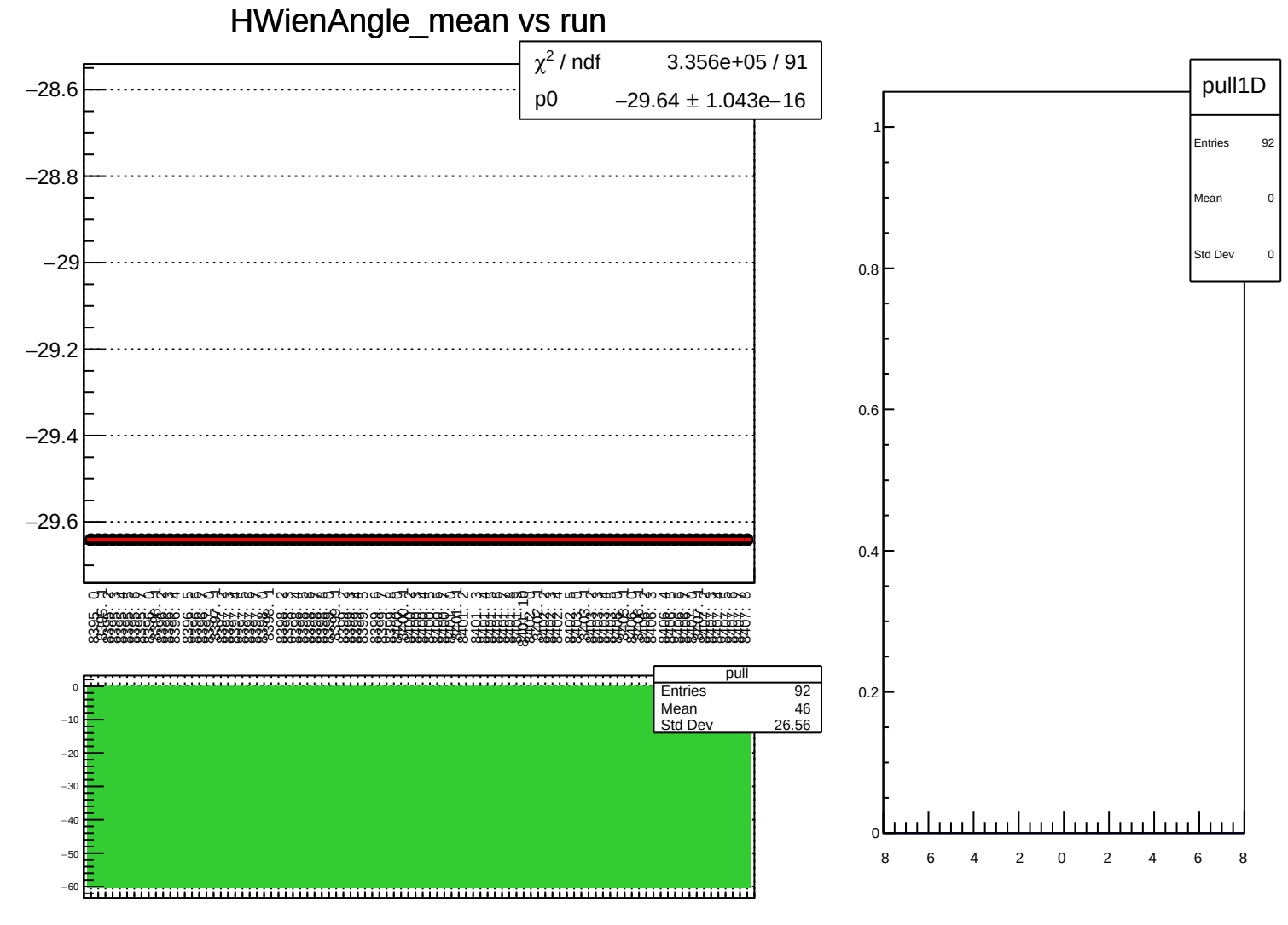

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.395e+26 / 91
p0 977.8 ± 1.043e−16
977.765
977.764
977.763
977.762
977.761
977.76
977.759
977.758
pull
Entries 92
Mean 3.781e+08
Std Dev 0
×10⁹
2000
1000
0
−1000
−2000
−3000
−4000
−5000

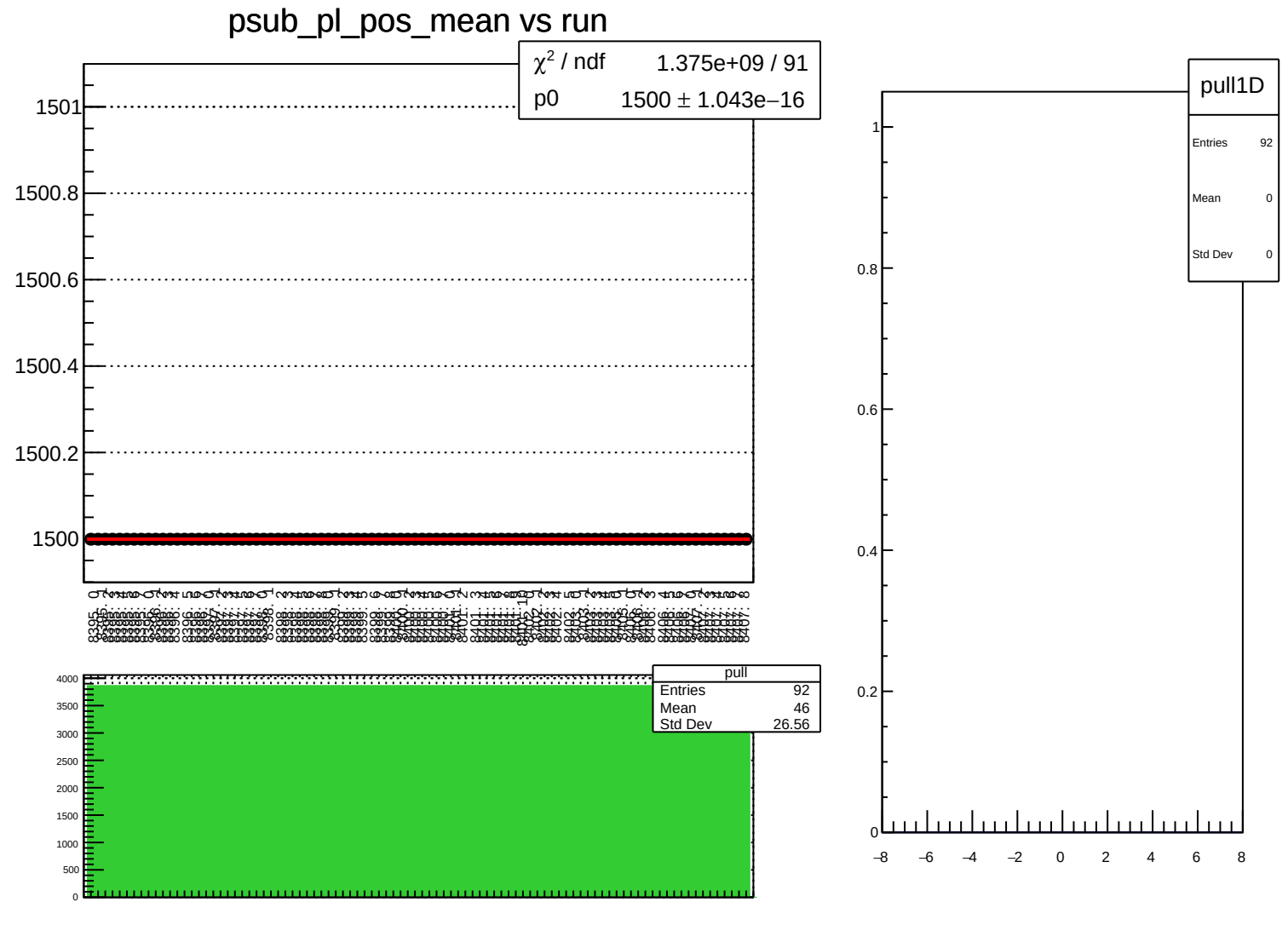

pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

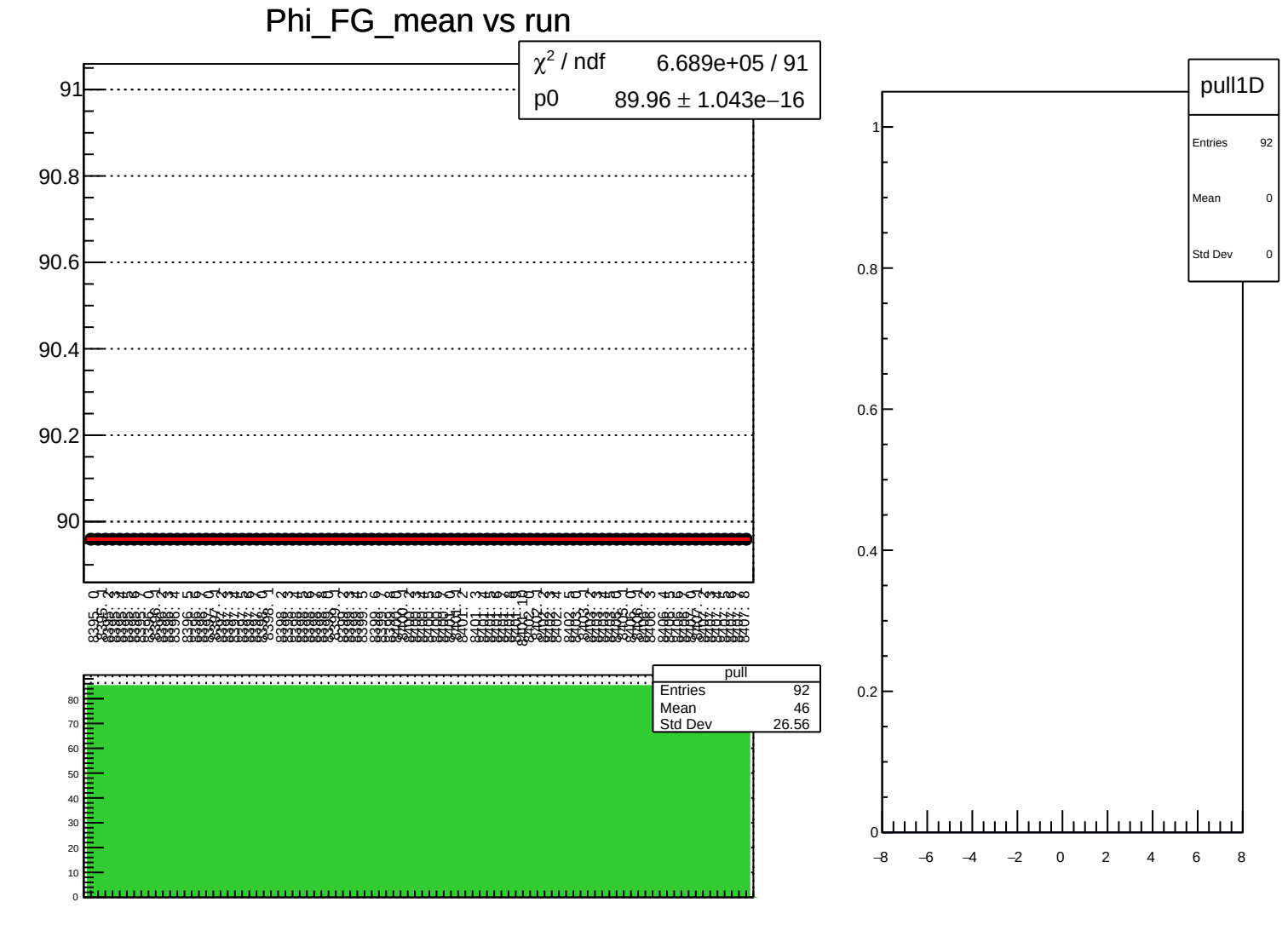

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.04679 / 91
p0 0.009375 ± 1.043e−16
9.375
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 0.02255
Std Dev 0

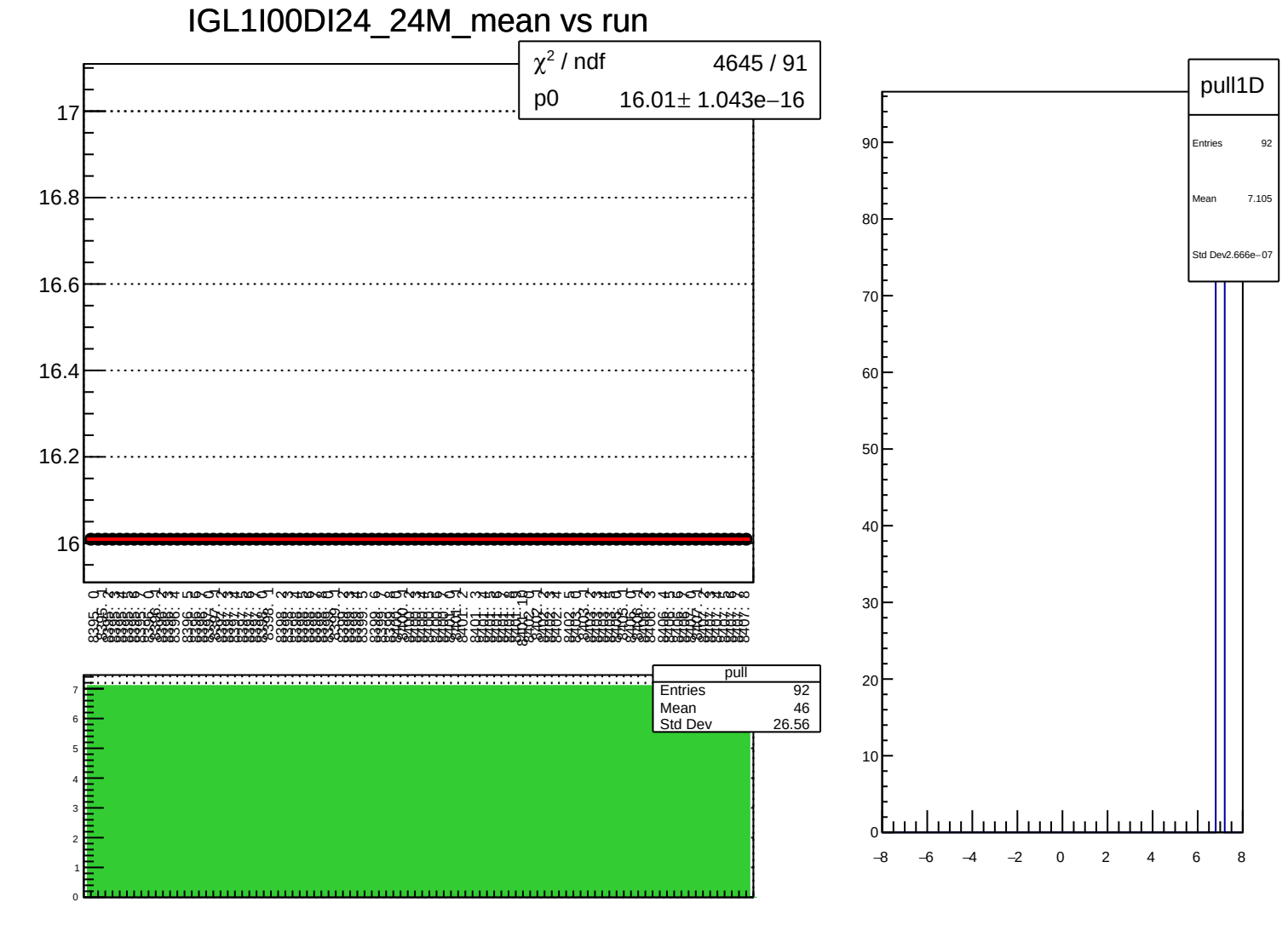

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.04679 / 91
p0 0.009375 ± 1.043e−16
×10⁻³
9.375
pull
Entries 92
Mean 46
Std Dev 26.56
pull1D
Entries 92
Mean 0.02255
Std Dev 0

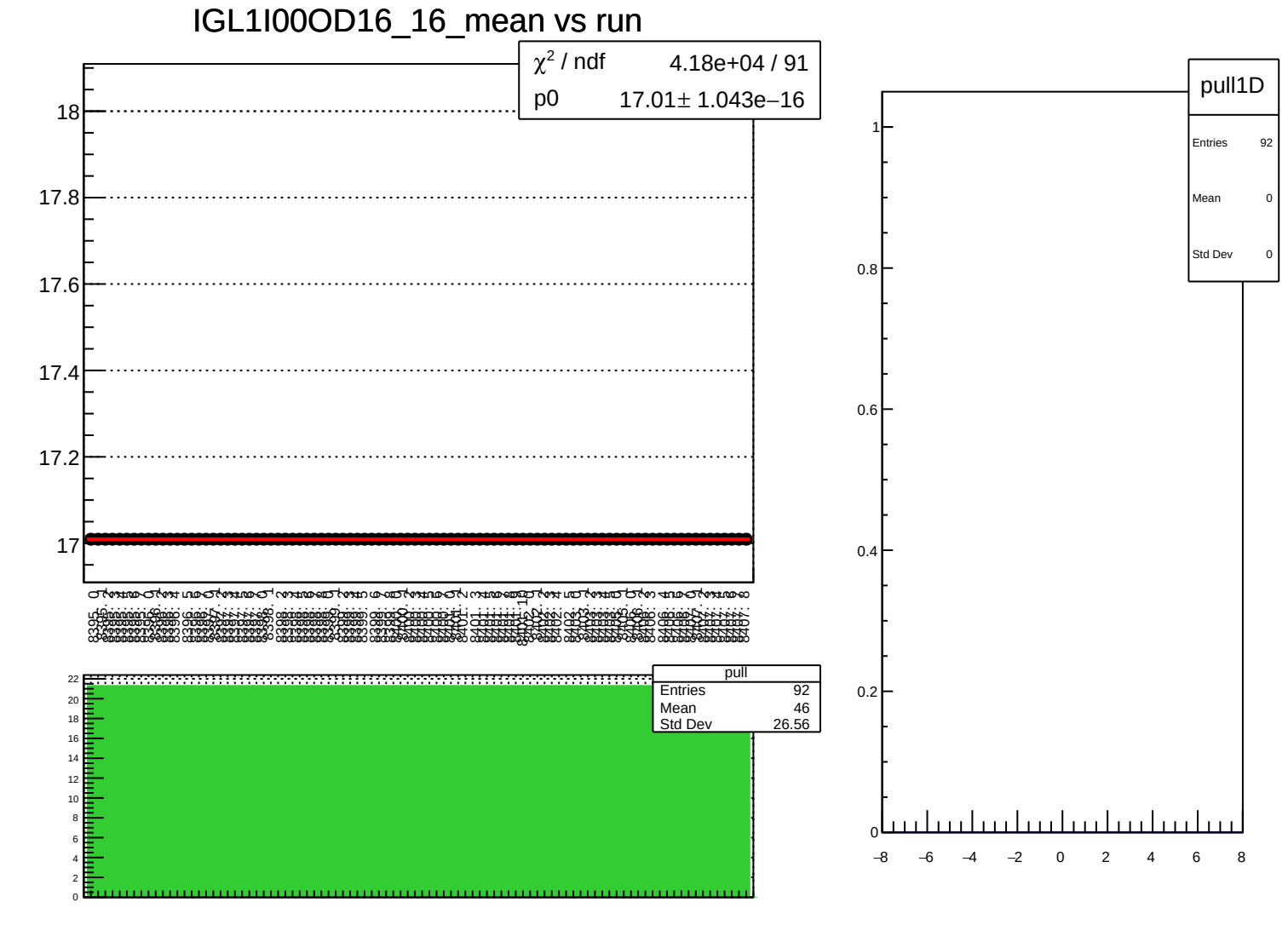

VWienAngle_mean vs run
χ² / ndf 4.645e+05 / 91
p0 88 ± 1.043e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 92
Mean 46
Std Dev 26.56
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

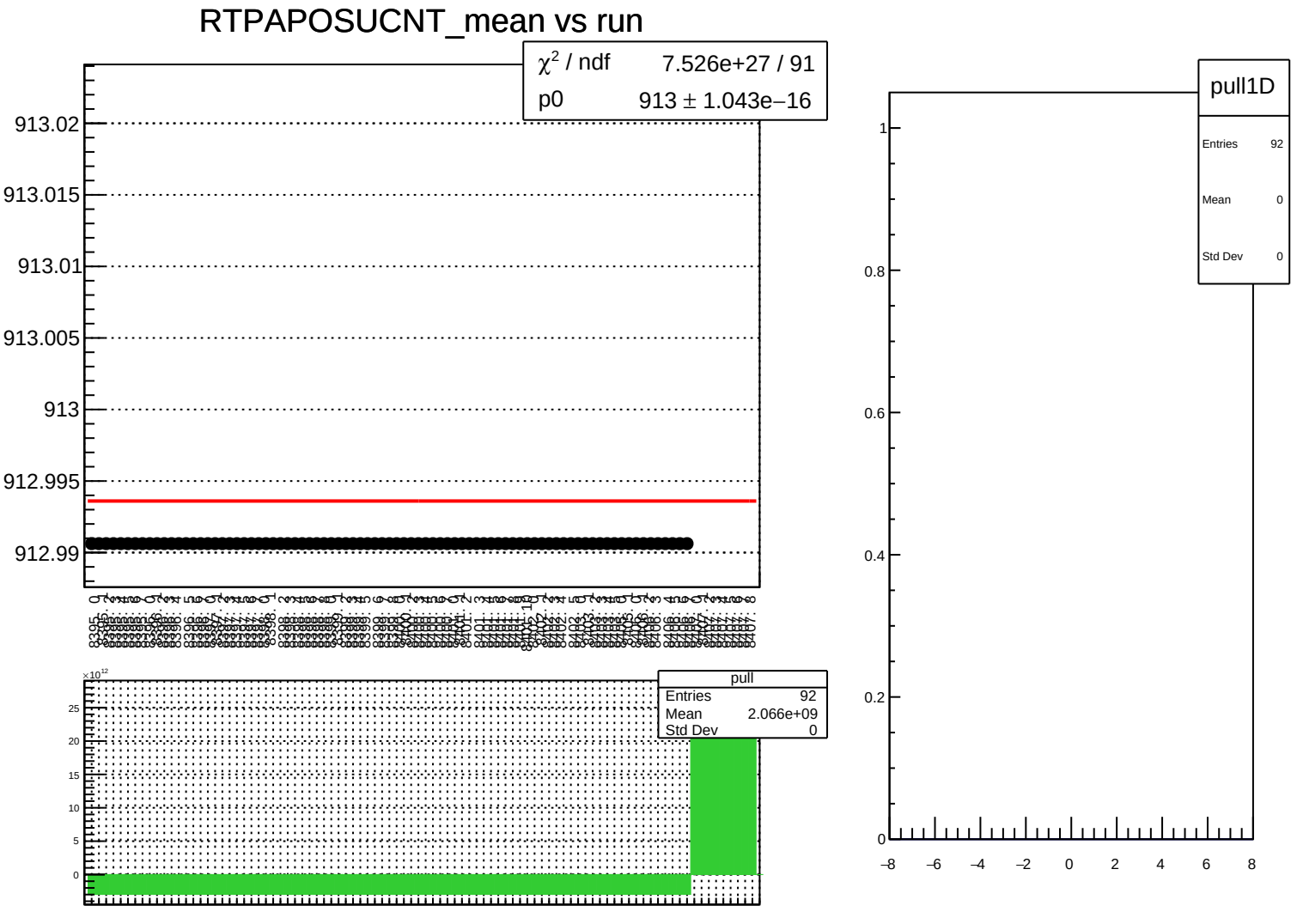

HWienAngle_mean vs run
χ² / ndf 3.356e+05 / 91
p0 −29.64 ± 1.043e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 92
Mean 46
Std Dev 26.56
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

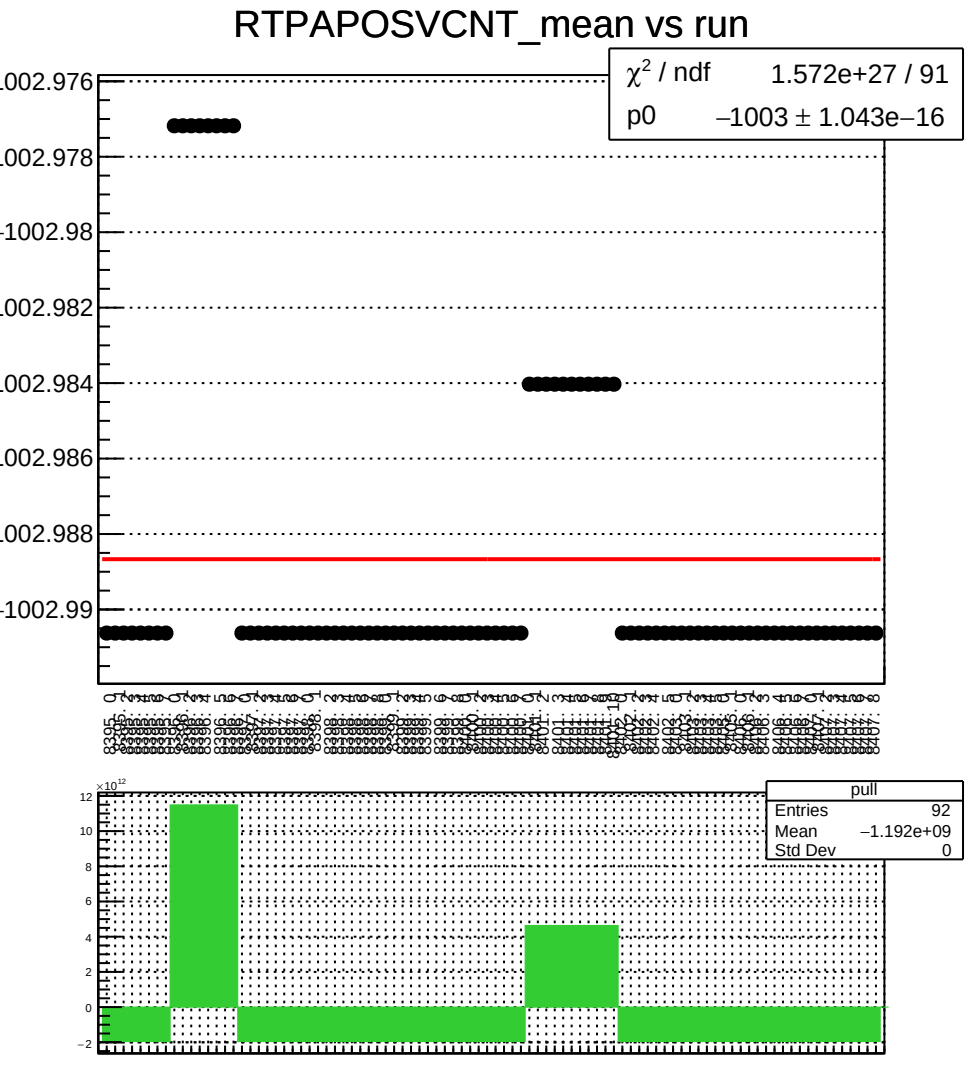

psub_pl_pos_mean vs run
χ² / ndf 1.375e+09 / 91
p0 1500 ± 1.043e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 92
Mean 46
Std Dev 26.56
4000
3500
3000
2500
2000
1500
1000
500
0
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

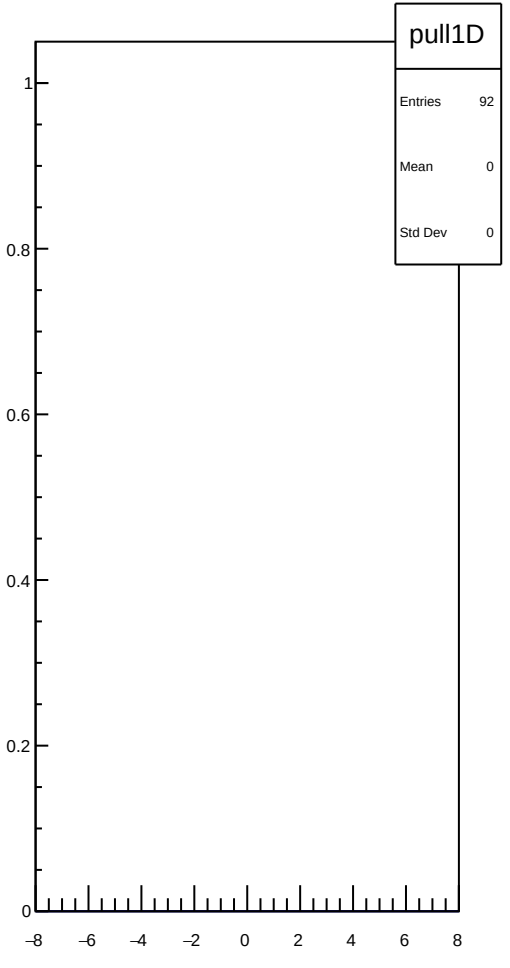

Phi_FG_mean vs run
χ² / ndf 6.689e+05 / 91
p0 89.96 ± 1.043e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 92
Mean 46
Std Dev 26.56
80
70
60
50
40
30
20
10
0
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

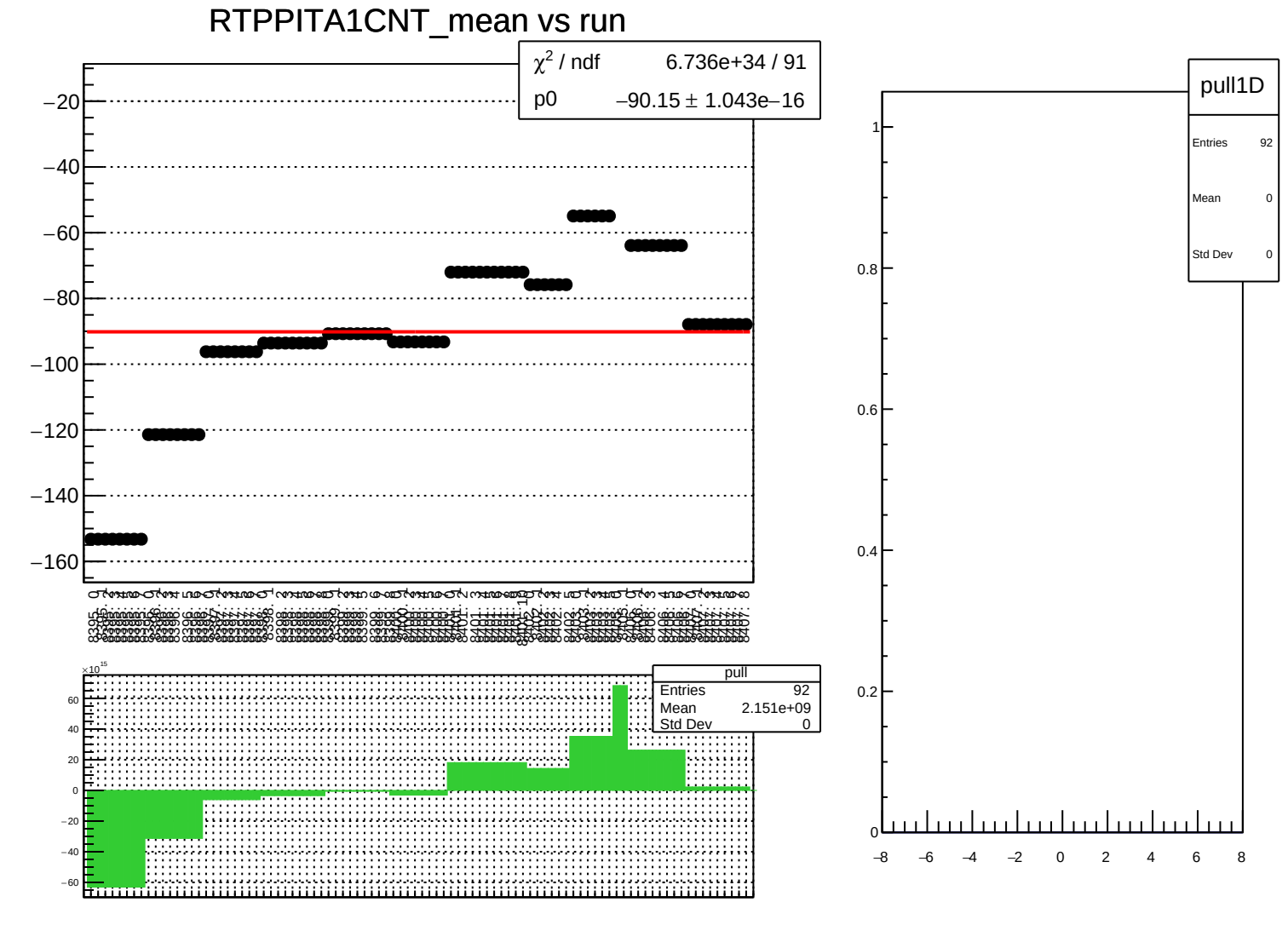

IGL1I00DI24_24M_mean vs run
χ² / ndf 4645 / 91
p0 16.01± 1.043e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 92
Mean 46
Std Dev 26.56
7
6
5
4
3
2
1
0
pull1D
Entries 92
Mean 7.105
Std Dev2.666e−07
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

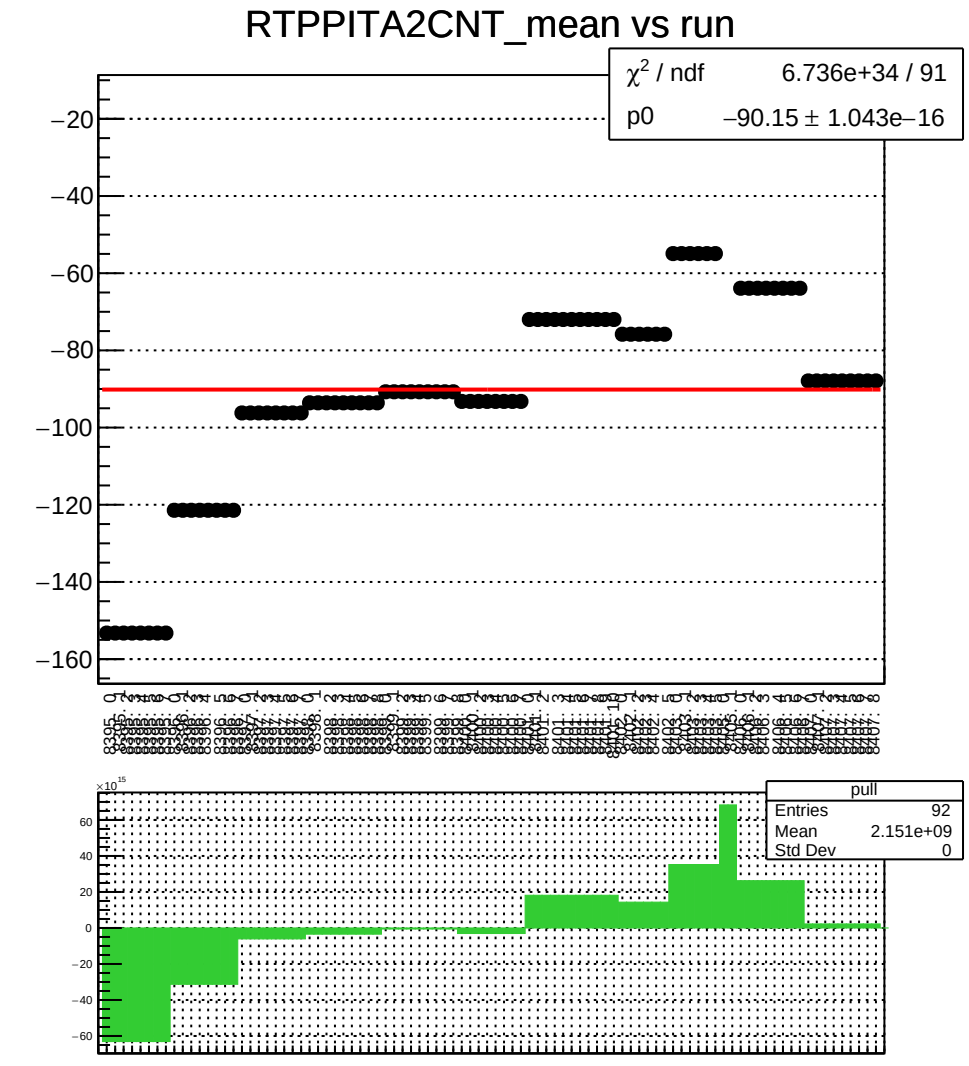

IGL1I00OD16_16_mean vs run
χ² / ndf 4.18e+04 / 91
p0 17.01± 1.043e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 92
Mean 46
Std Dev 26.56
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

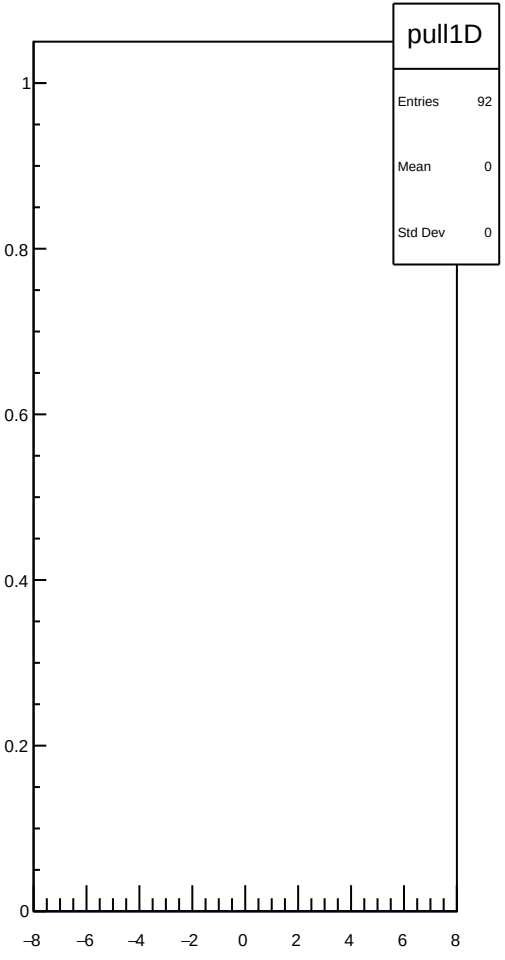

RTPAPOSUCNT_mean vs run
χ² / ndf 7.526e+27 / 91
p0 913 ± 1.043e−16
913.02
913.015
913.01
913.005
913
912.995
912.99
pull
Entries 92
Mean 2.066e+09
Std Dev 0
×10¹²
25
20
15
10
5
0
pull1D
Entries 92
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 1.572e+27 / 91
p0 −1003 ± 1.043e−16
−1002.976
−1002.978
−1002.98
−1002.982
−1002.984
−1002.986
−1002.988
−1002.99
pull
Entries 92
Mean −1.192e+09
Std Dev 0
×10¹²
12
10
8
6
4
2
0
−2


pull1D
Entries 92
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 6.736e+34 / 91
p0 −90.15 ± 1.043e−16
pull
Entries 92
Mean 2.151e+09
Std Dev 0
pull1D
Entries 92
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 6.736e+34 / 91
p0 −90.15 ± 1.043e−16
pull
Entries 92
Mean 2.151e+09
Std Dev 0


pull1D
Entries 92
Mean 0
Std Dev 0