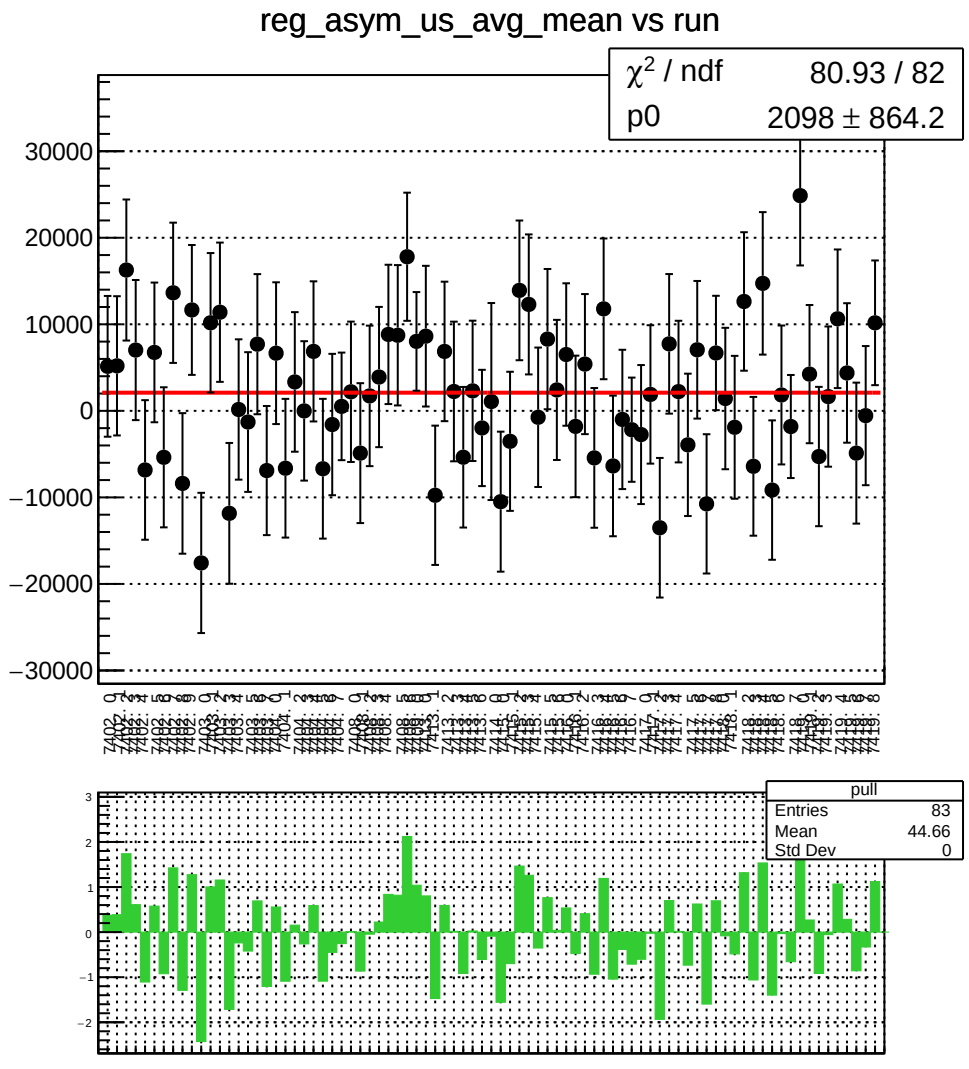
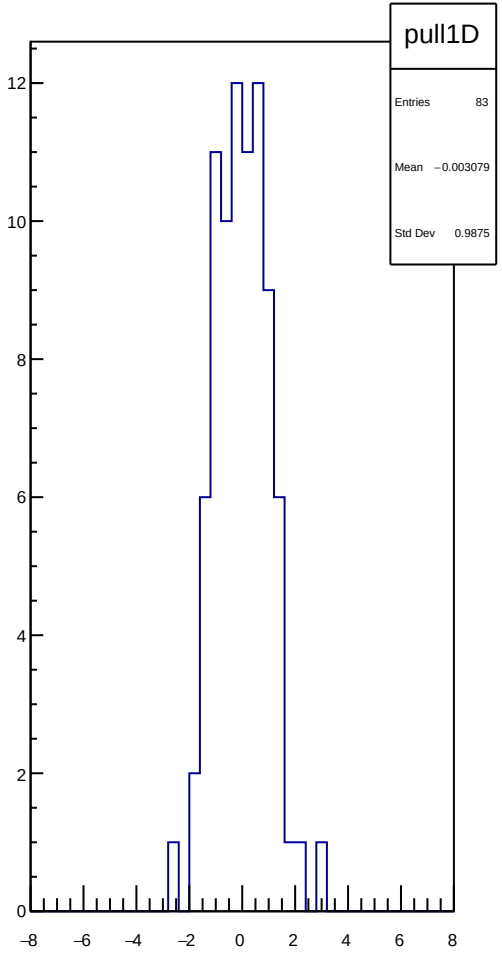
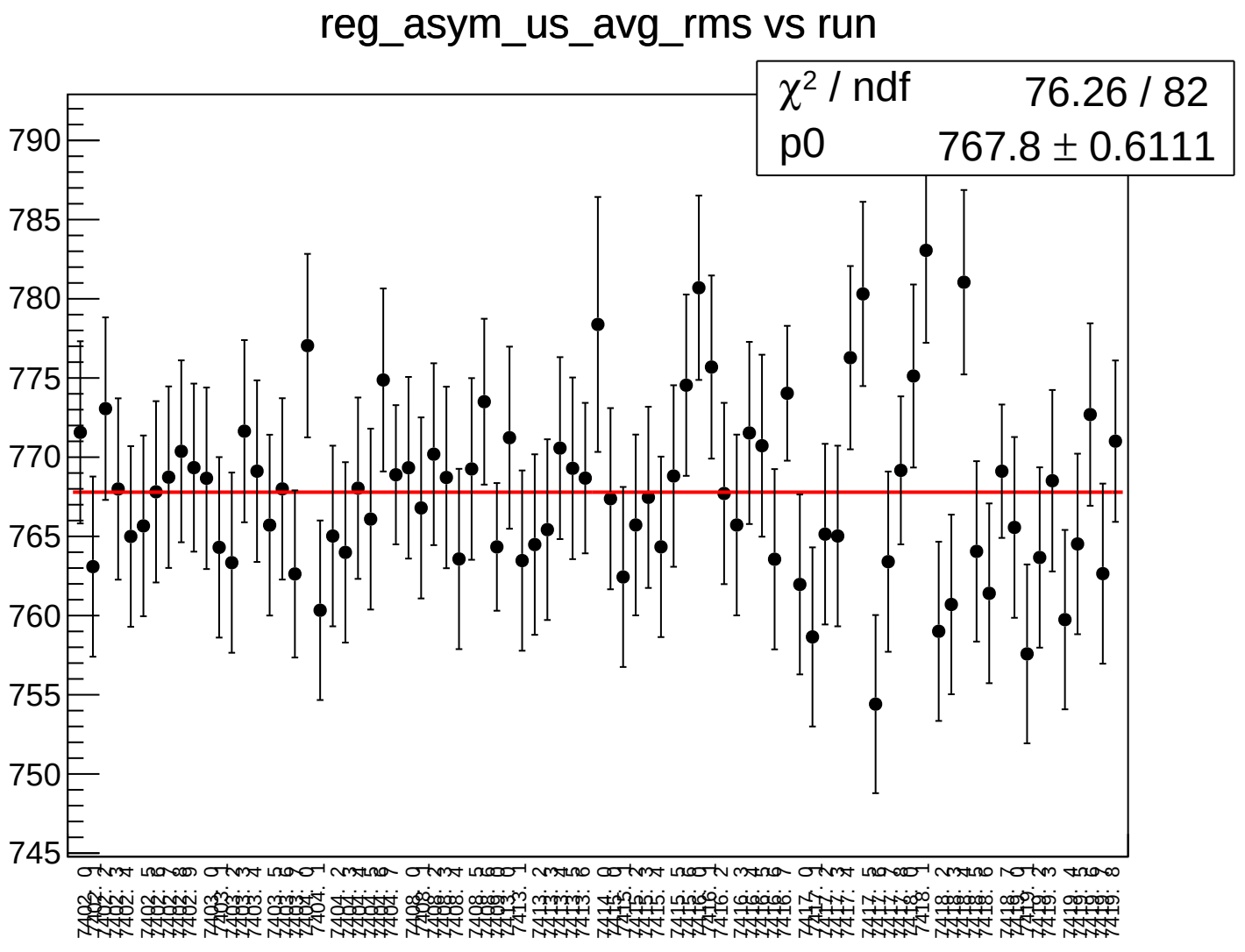
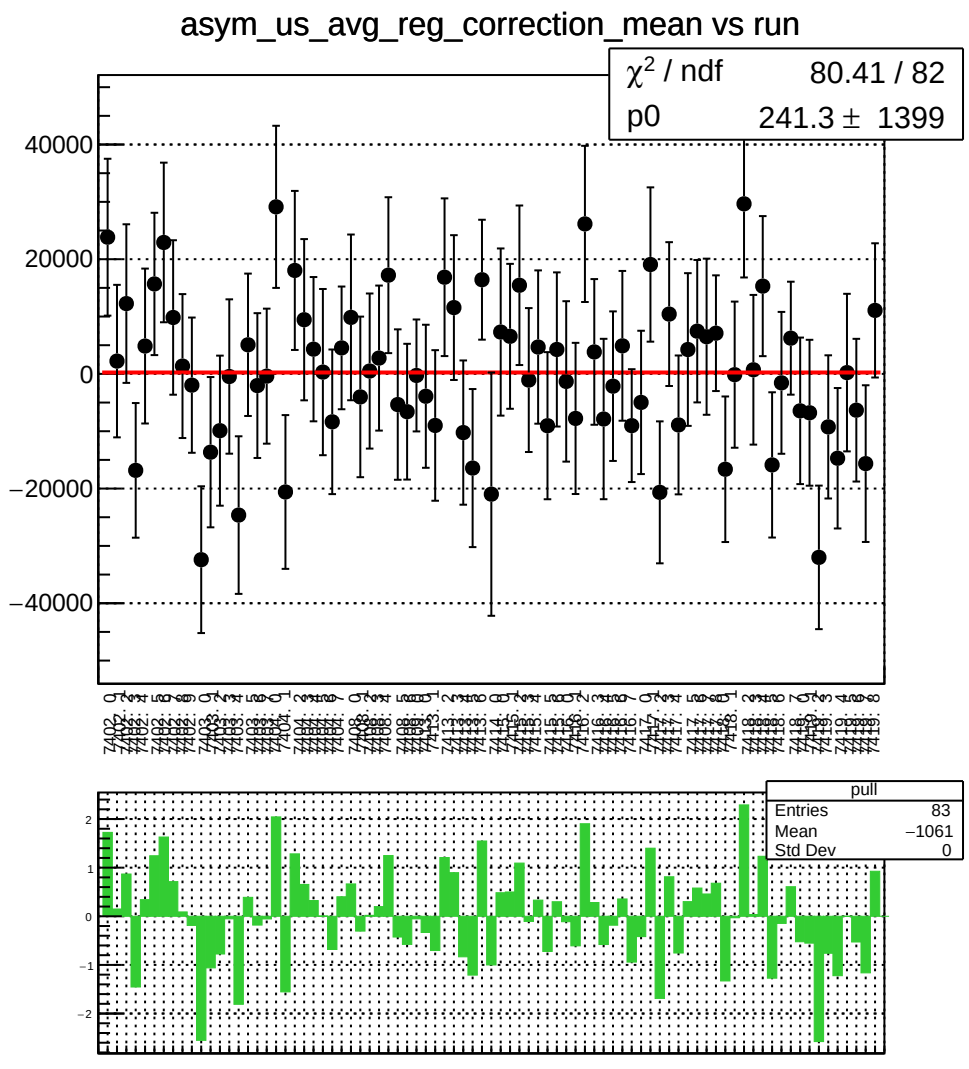
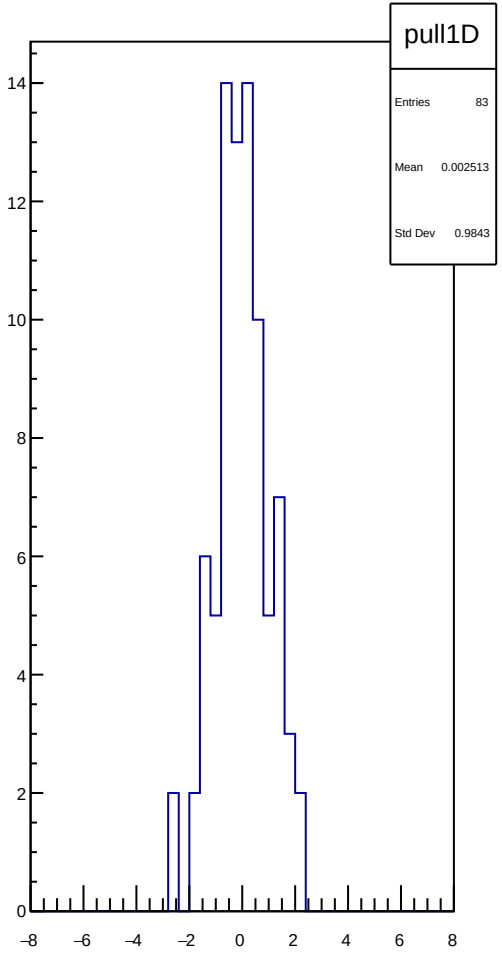
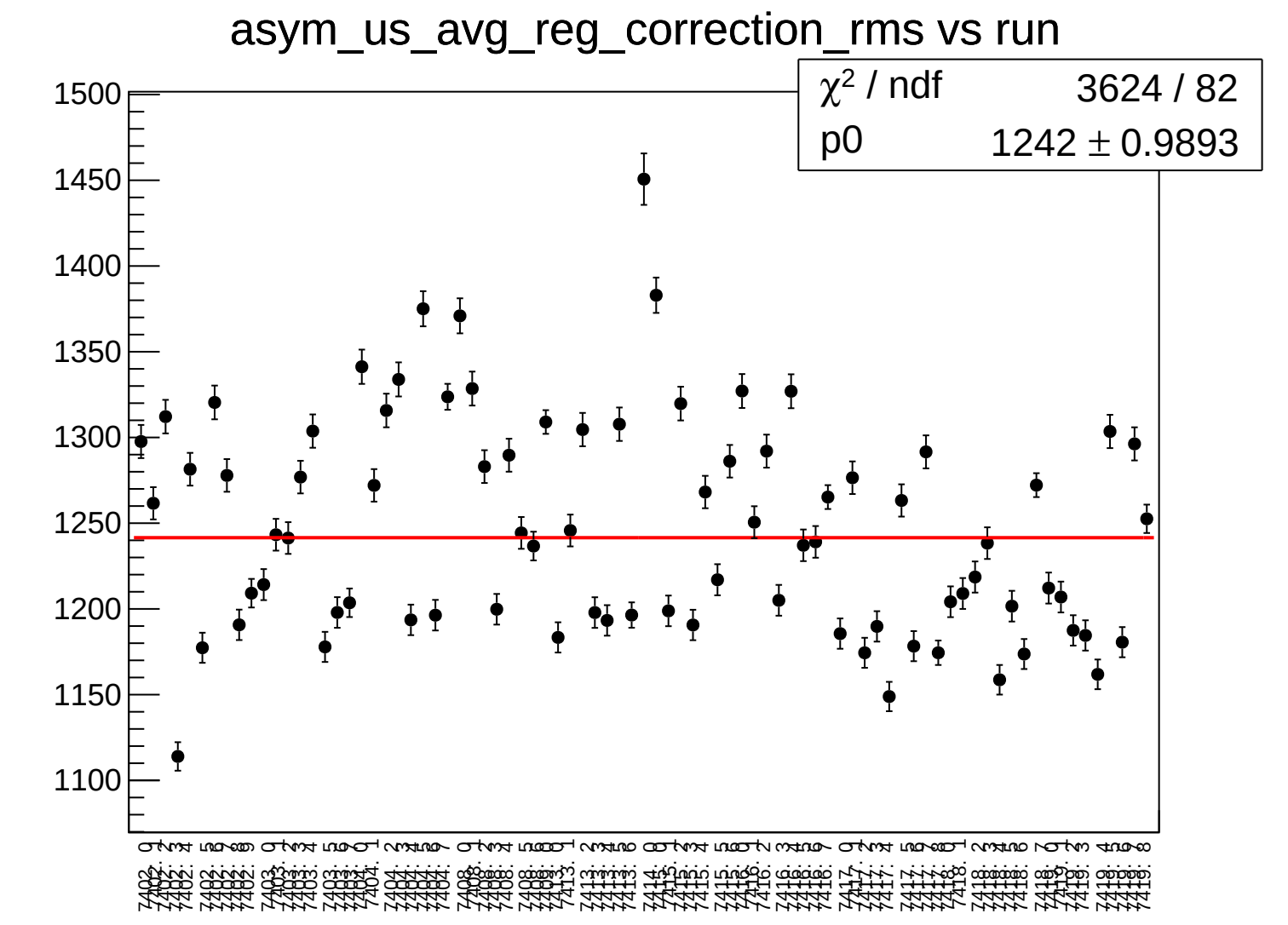

reg_asym_us_avg_mean vs run
χ² / ndf 80.93 / 82
p0 2098 ± 864.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 44.66
Std Dev 0
3
2
1
0
−1
−2

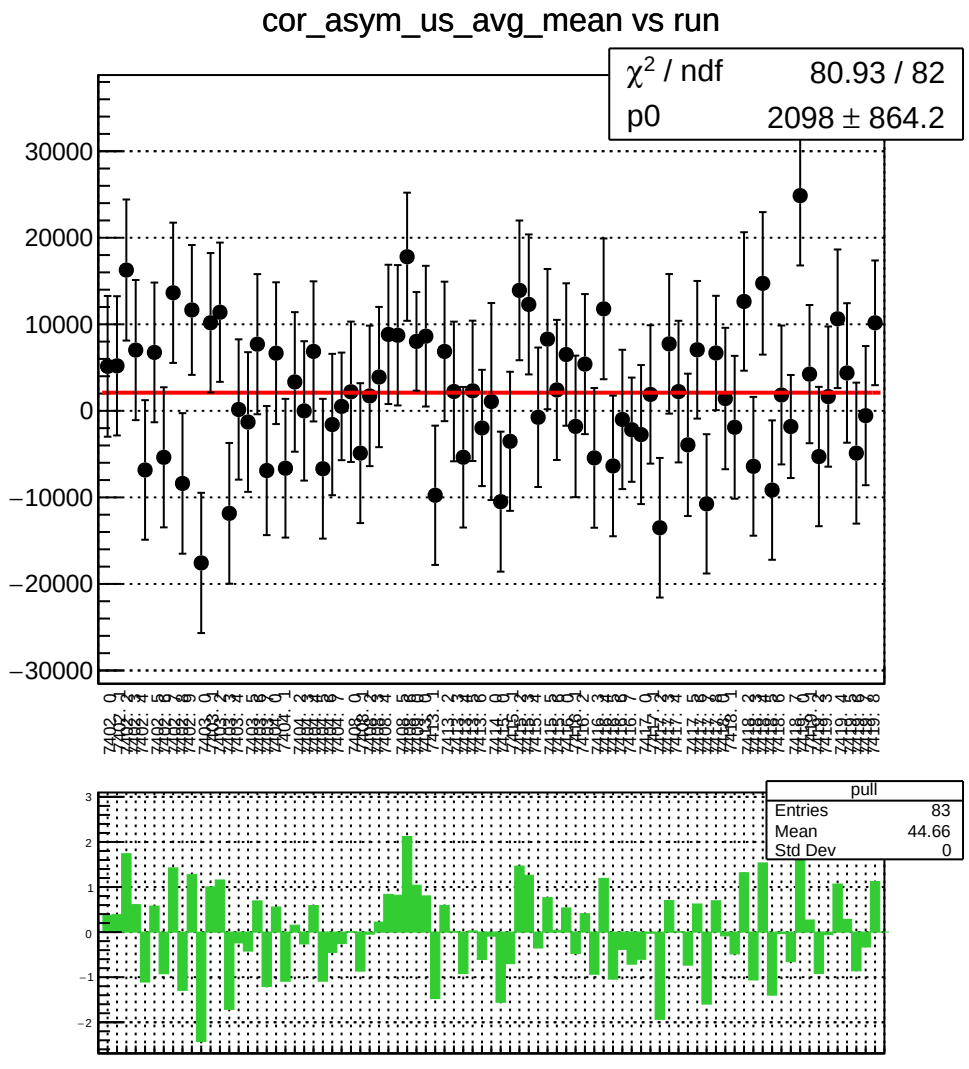

pull1D
Entries 83
Mean −0.003079
Std Dev 0.9875
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

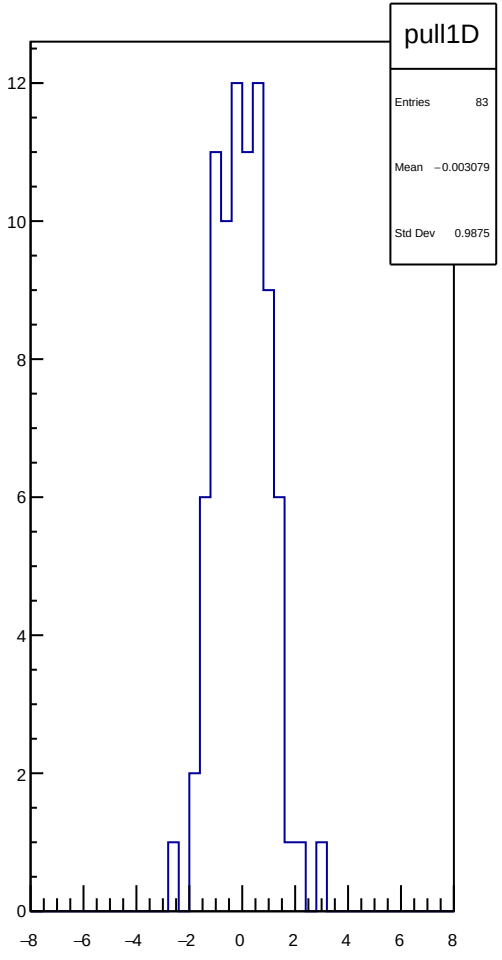

reg_asym_us_avg_rms vs run
χ² / ndf 76.26 / 82
p0 767.8 ± 0.6111
790
785
780
775
770
765
760
755
750
745


asym_us_avg_reg_correction_mean vs run
χ² / ndf 80.41 / 82
p0 241.3 ± 1399
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1061
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.002513
Std Dev 0.9843
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 3624 / 82
p0 1242 ± 0.9893
1500
1450
1400
1350
1300
1250
1200
1150
1100


cor_asym_us_avg_mean vs run
χ² / ndf 80.93 / 82
p0 2098 ± 864.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 44.66
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.003079
Std Dev 0.9875
12
10
8
6
4
2
0
−8
−6
−4
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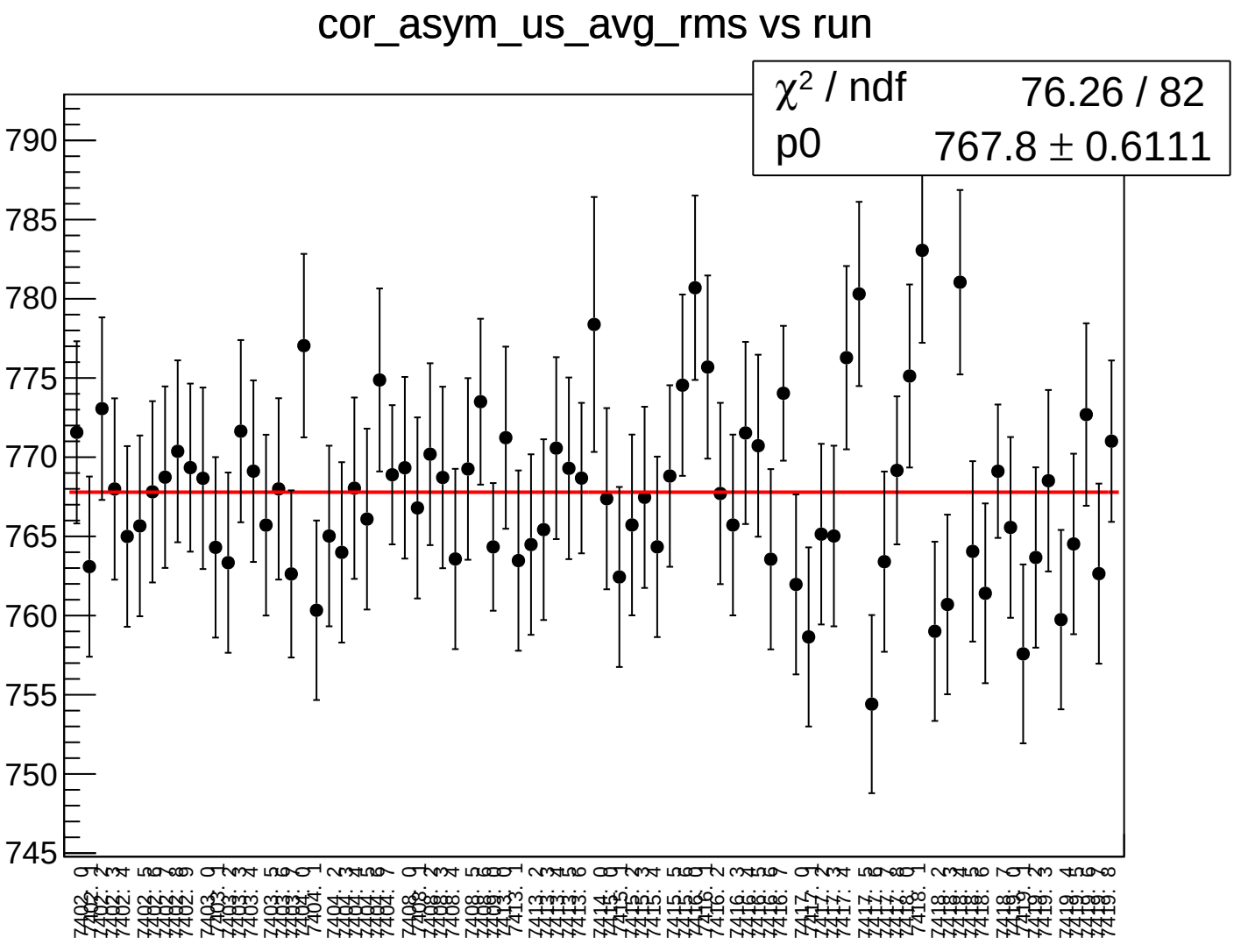
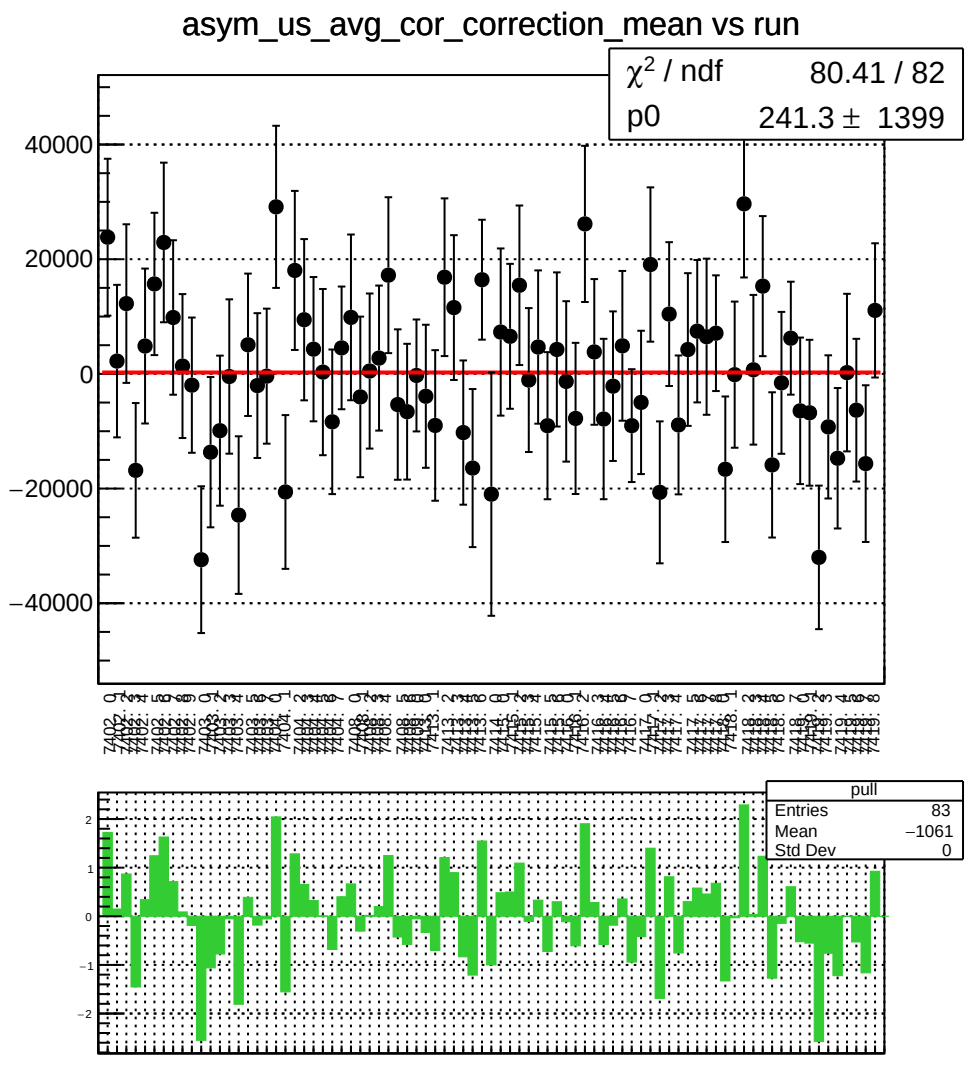
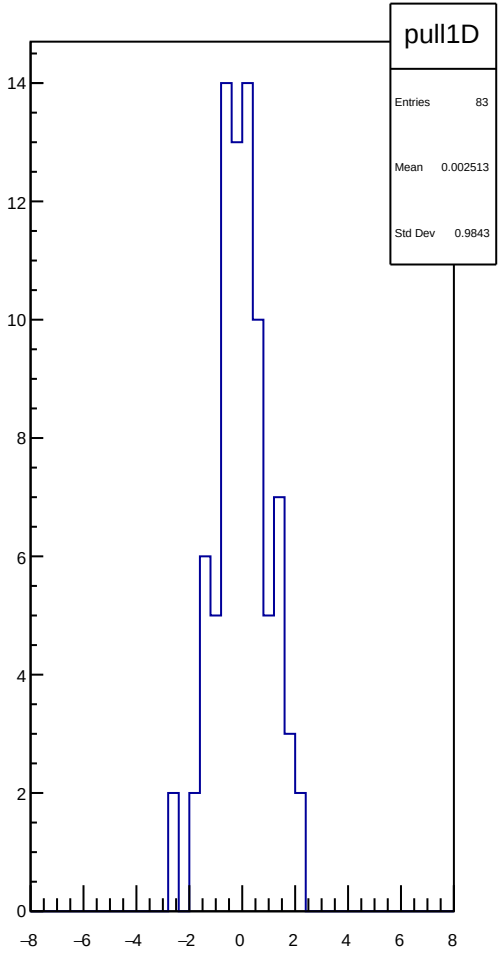
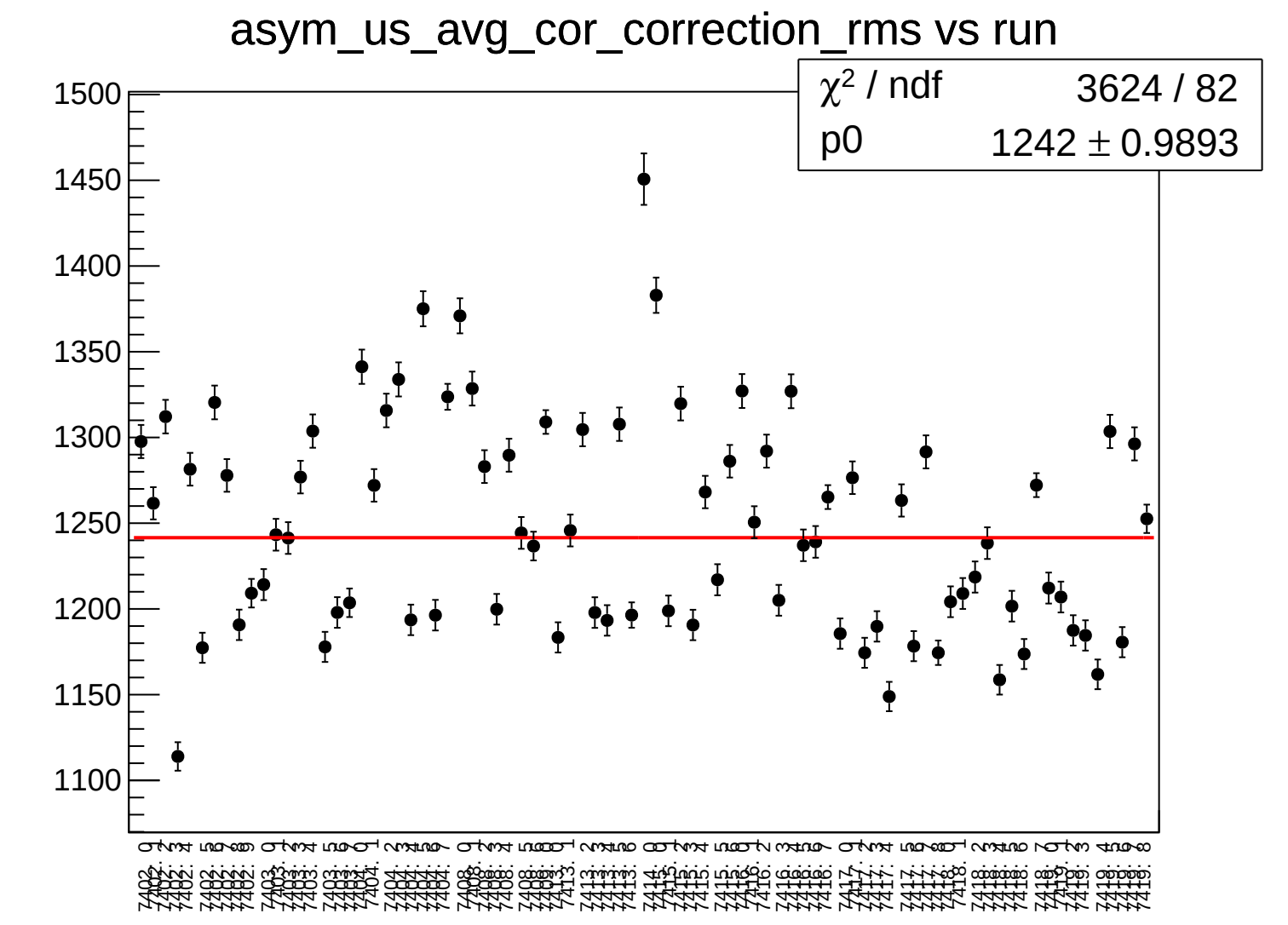
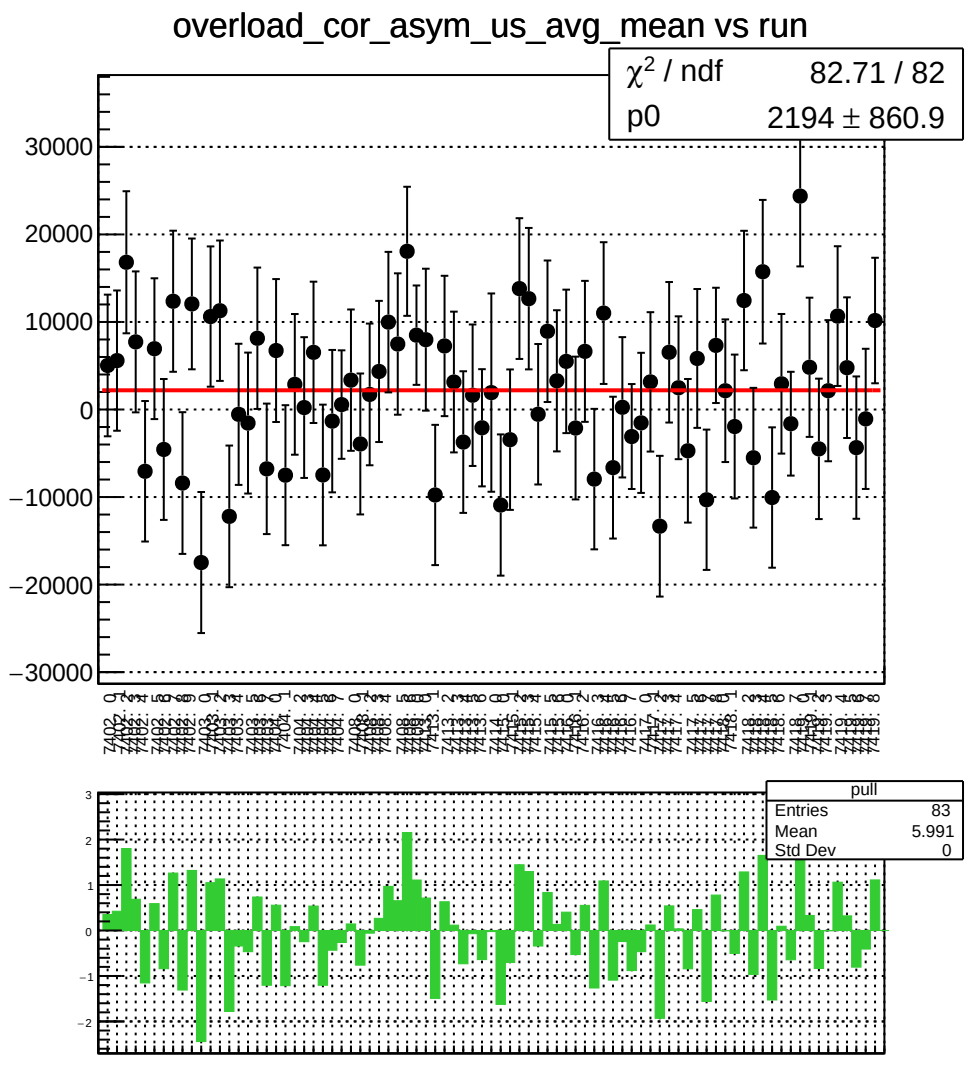
0
2
4
6
8

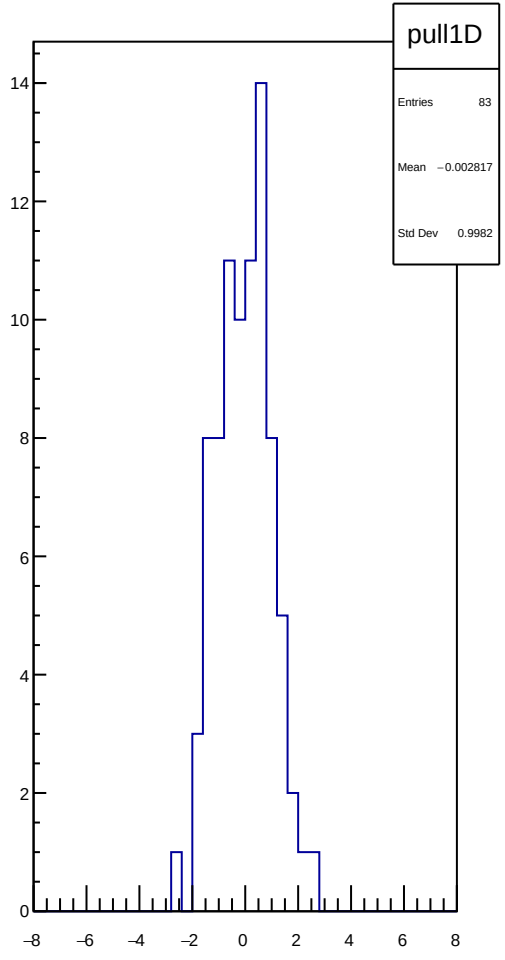

cor_asym_us_avg_rms vs run
χ² / ndf 76.26 / 82
p0 767.8 ± 0.6111
790
785
780
775
770
765
760
755
750
745


asym_us_avg_cor_correction_mean vs run
χ² / ndf 80.41 / 82
p0 241.3 ± 1399
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1061
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.002513
Std Dev 0.9843
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 3624 / 82
p0 1242 ± 0.9893
1500
1450
1400
1350
1300
1250
1200
1150
1100


overload_cor_asym_us_avg_mean vs run
χ² / ndf 82.71 / 82
p0 2194 ± 860.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 5.991
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.002817
Std Dev 0.9982
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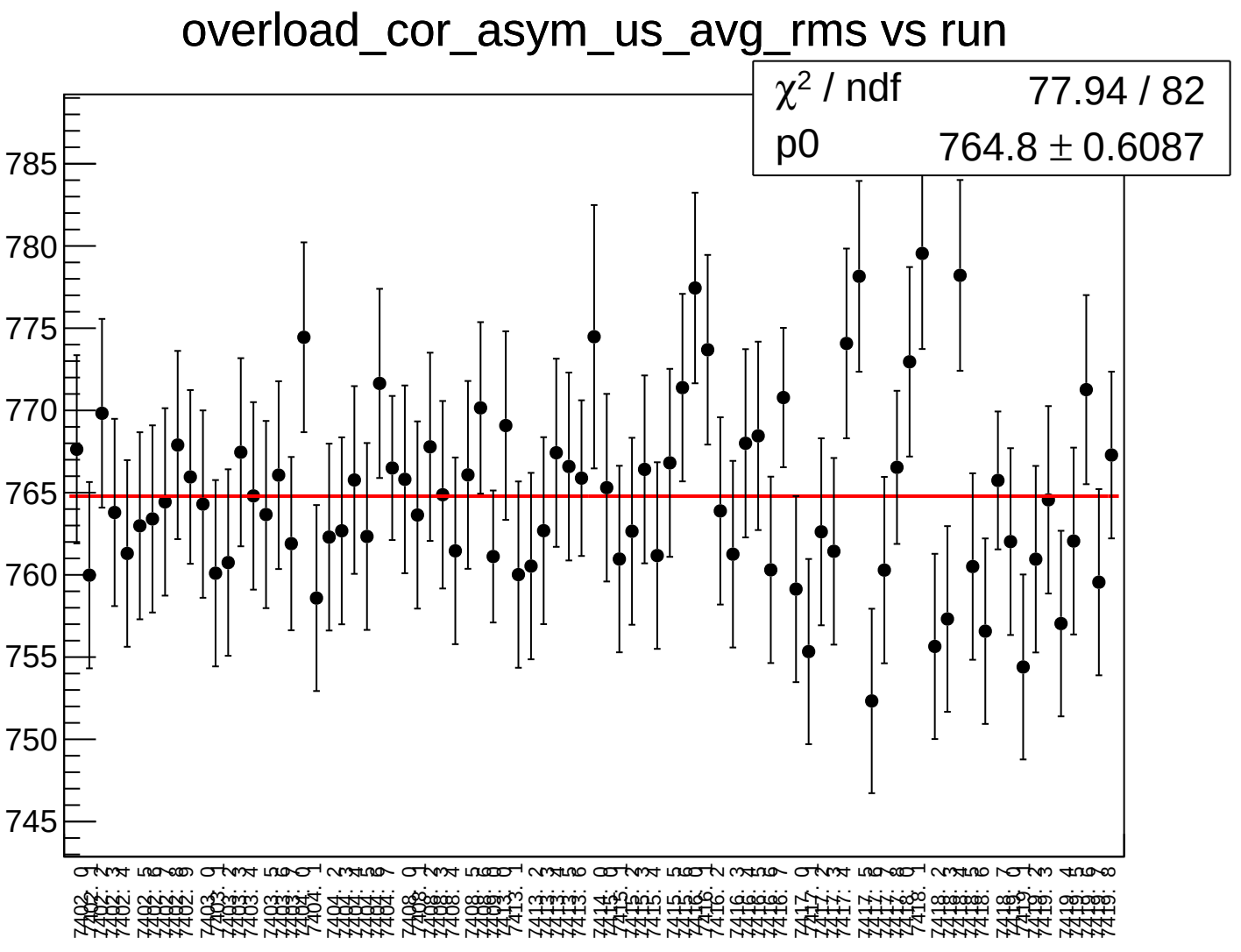
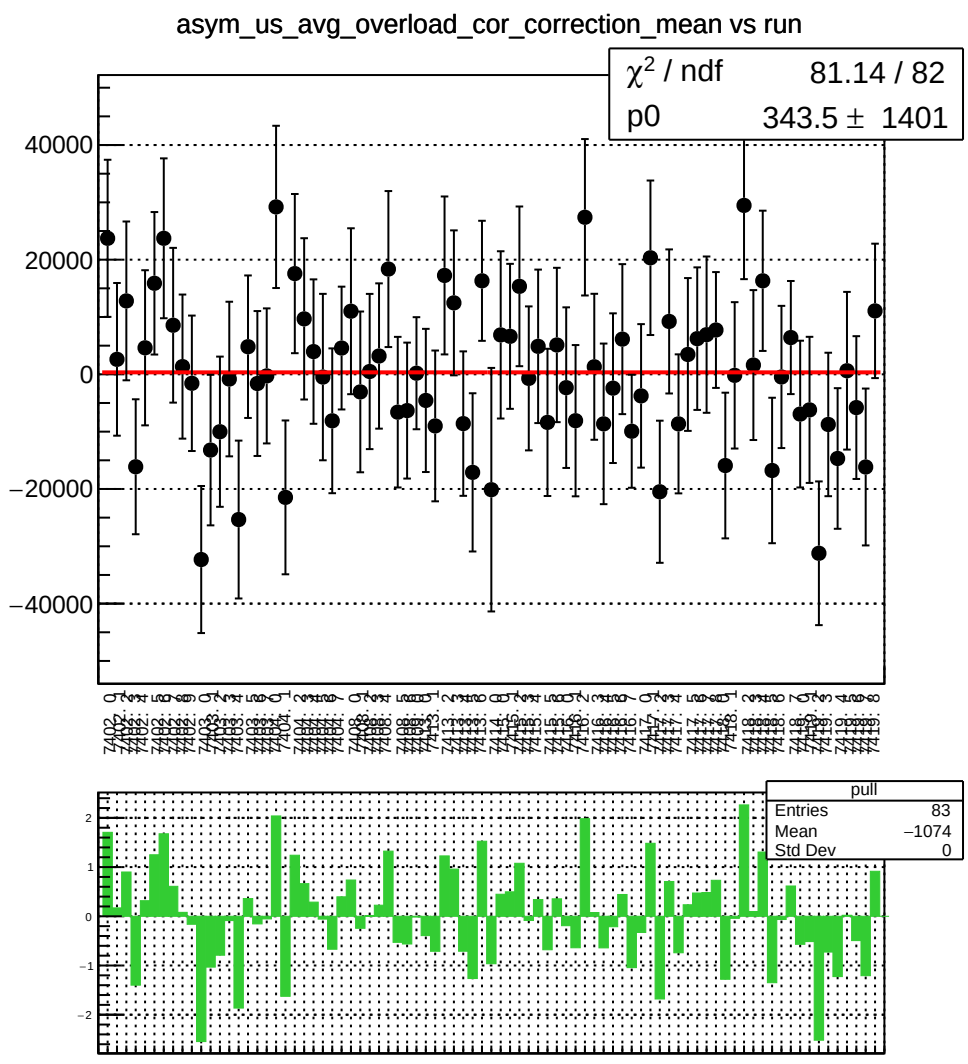
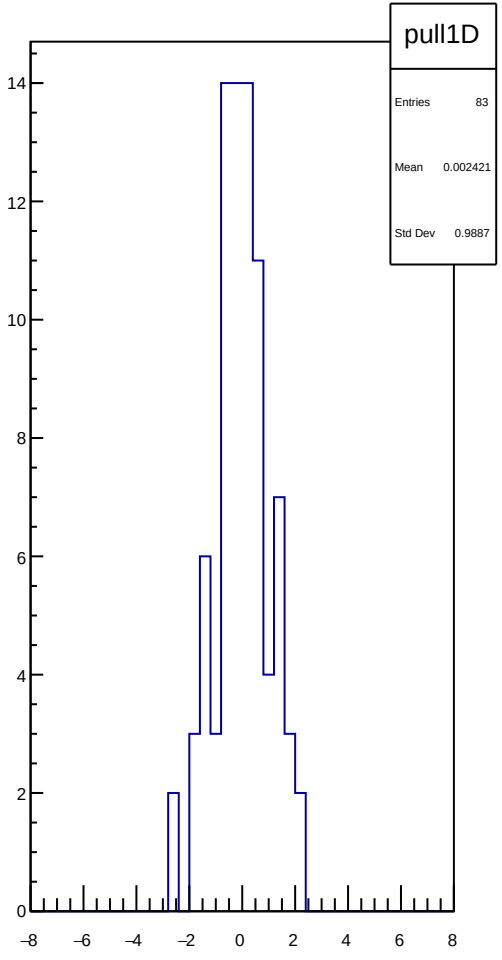
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 77.94 / 82
p0 764.8 ± 0.6087
785
780
775
770
765
760
755
750
745


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 81.14 / 82
p0 343.5 ± 1401
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1074
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.002421
Std Dev 0.9887
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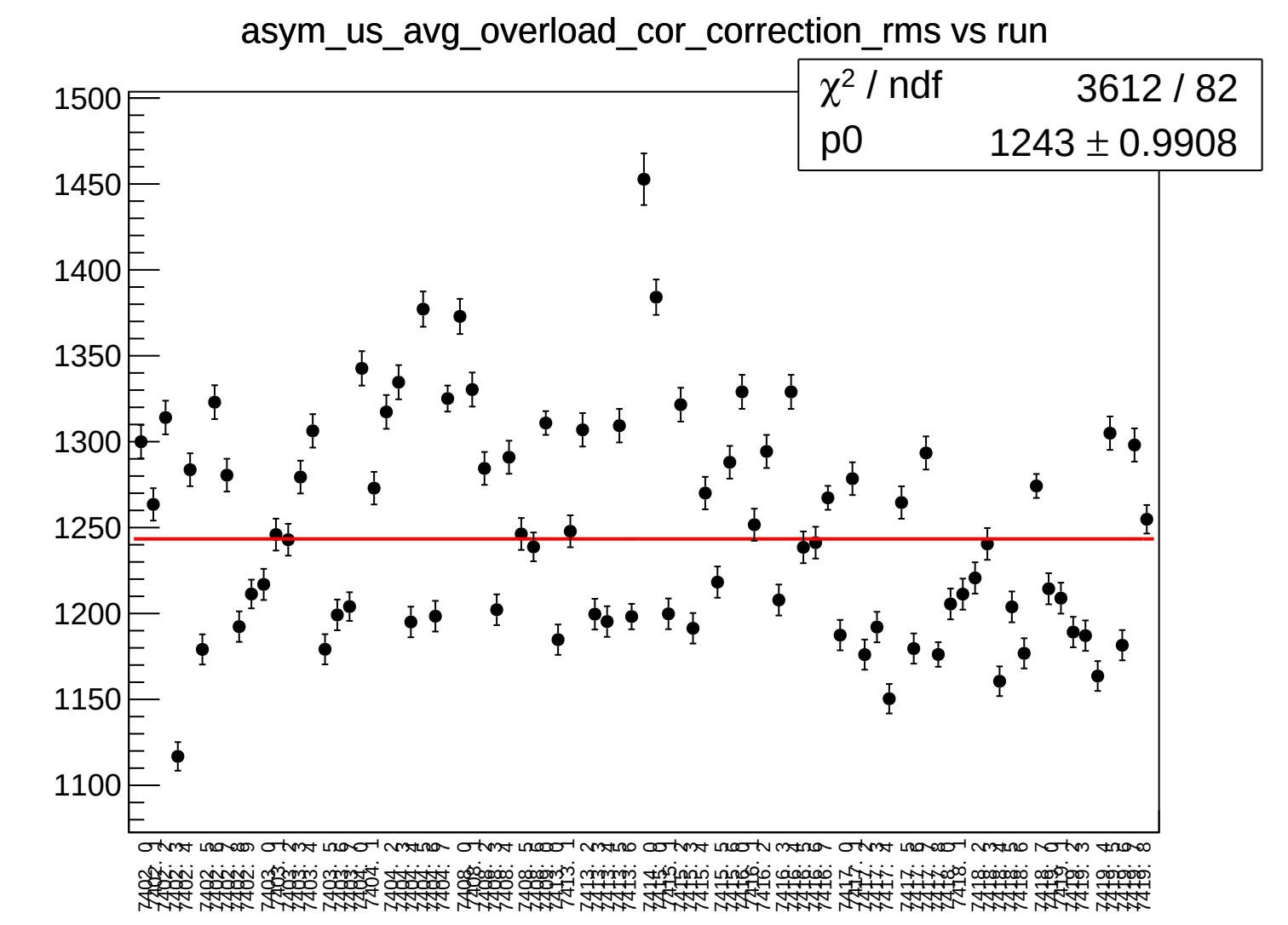
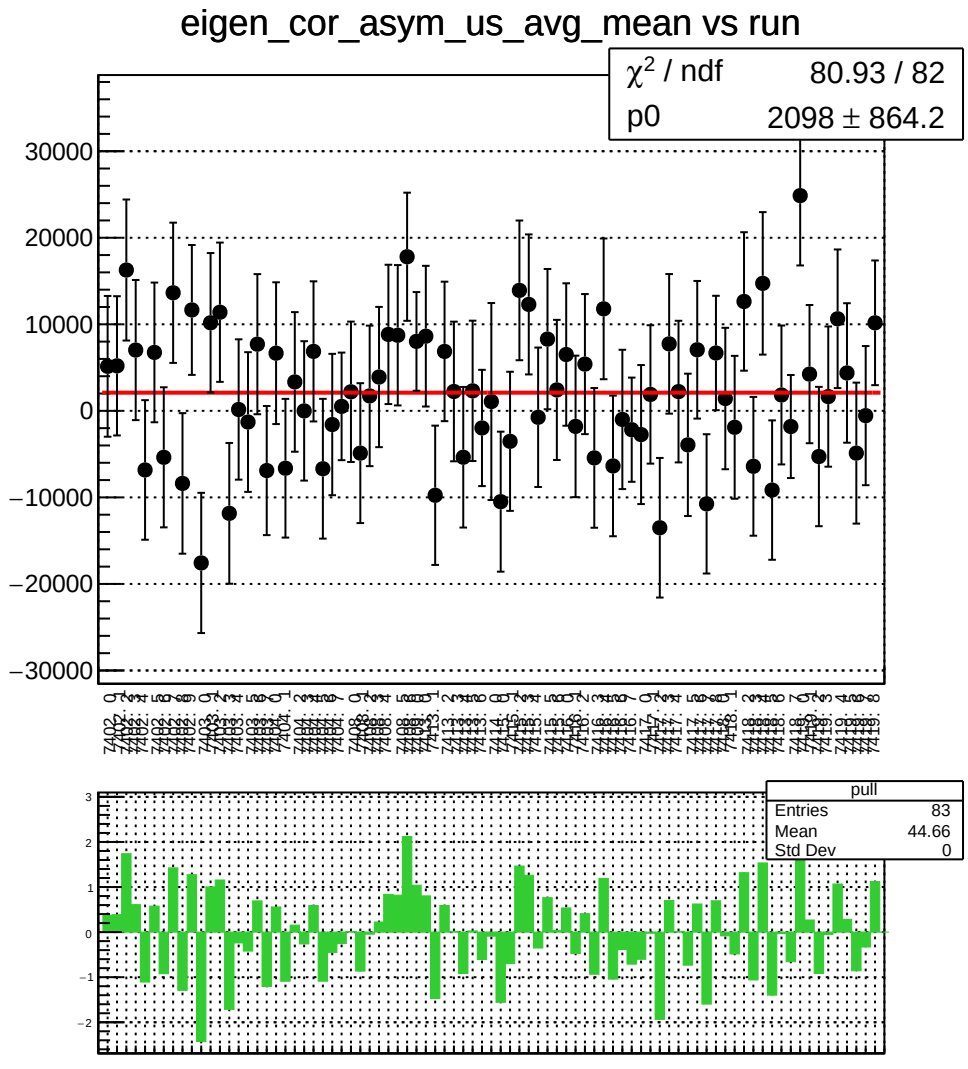
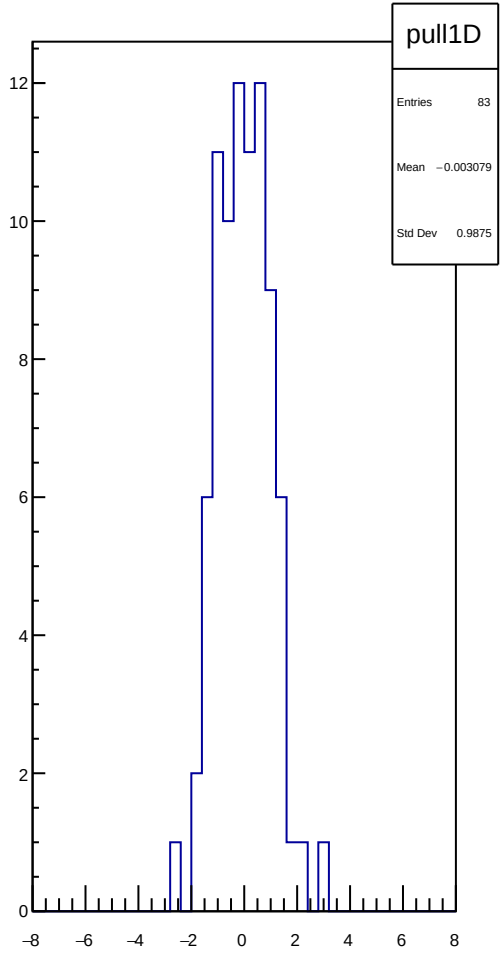
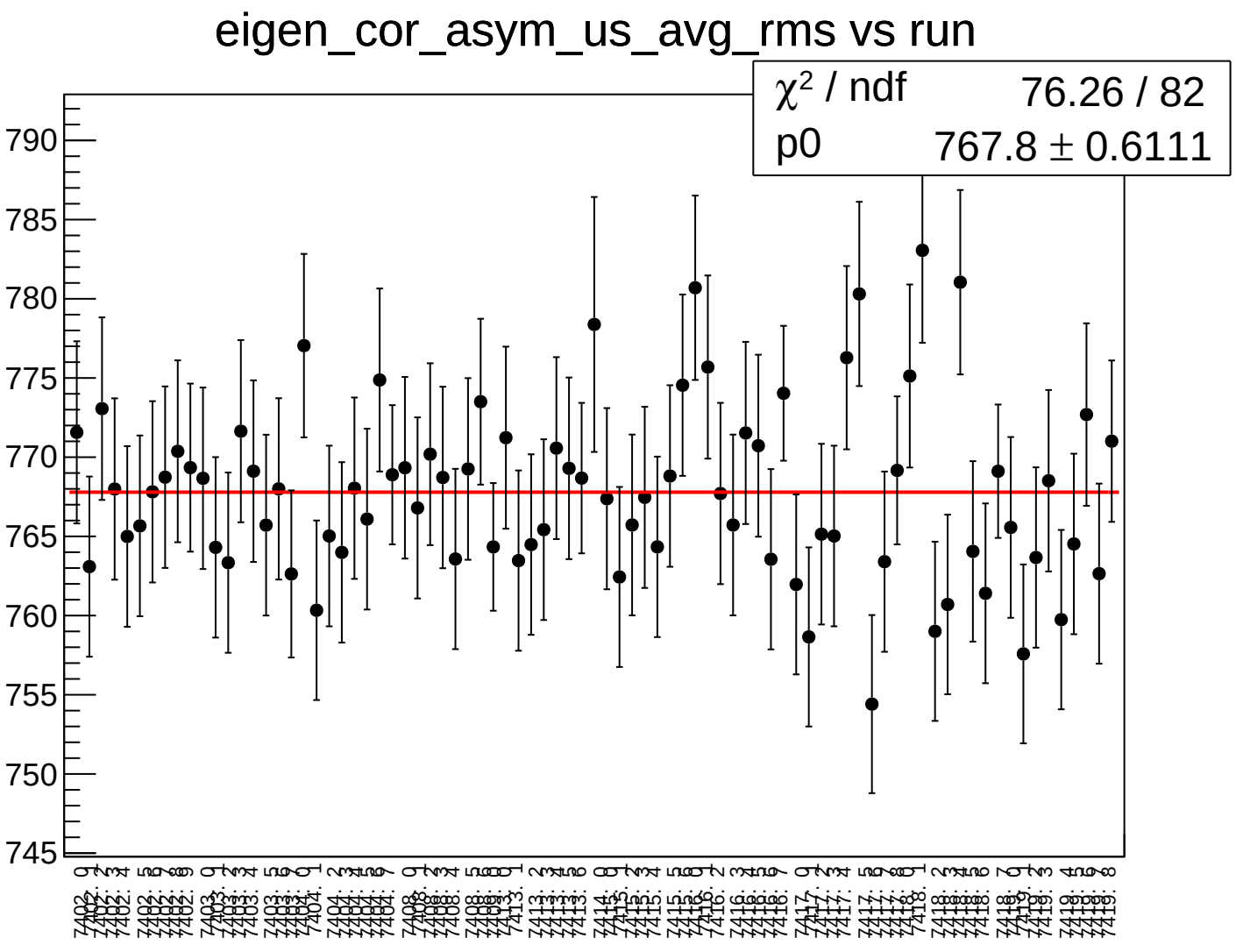
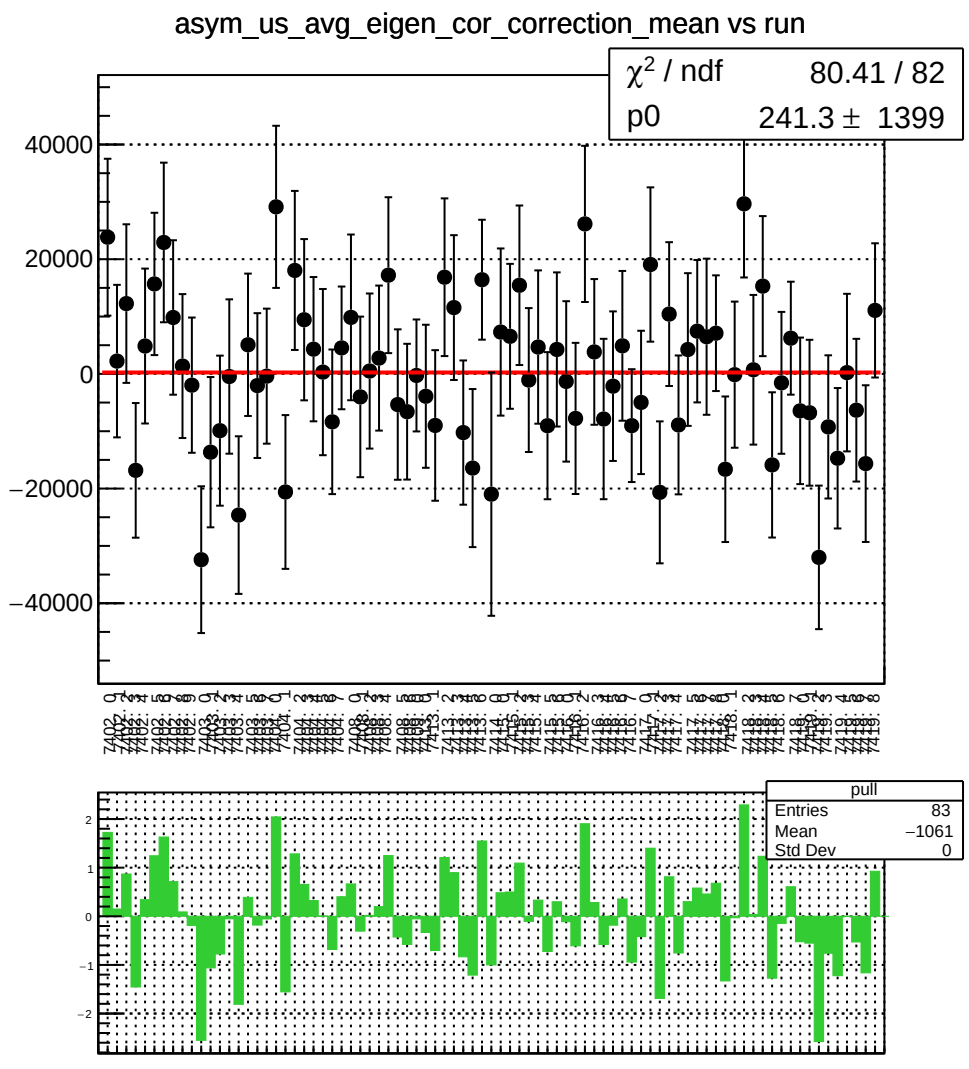
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

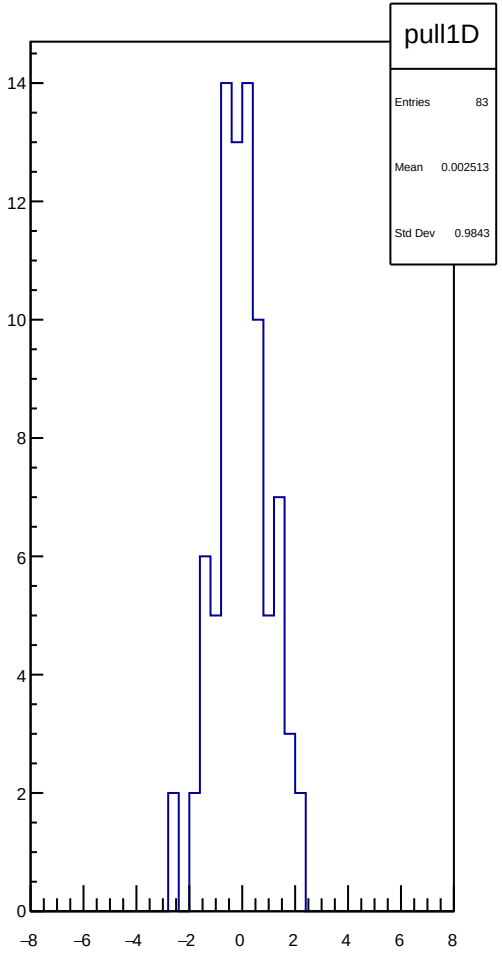

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 3612 / 82
p0 1243 ± 0.9908
1500
1450
1400
1350
1300
1250
1200
1150
1100

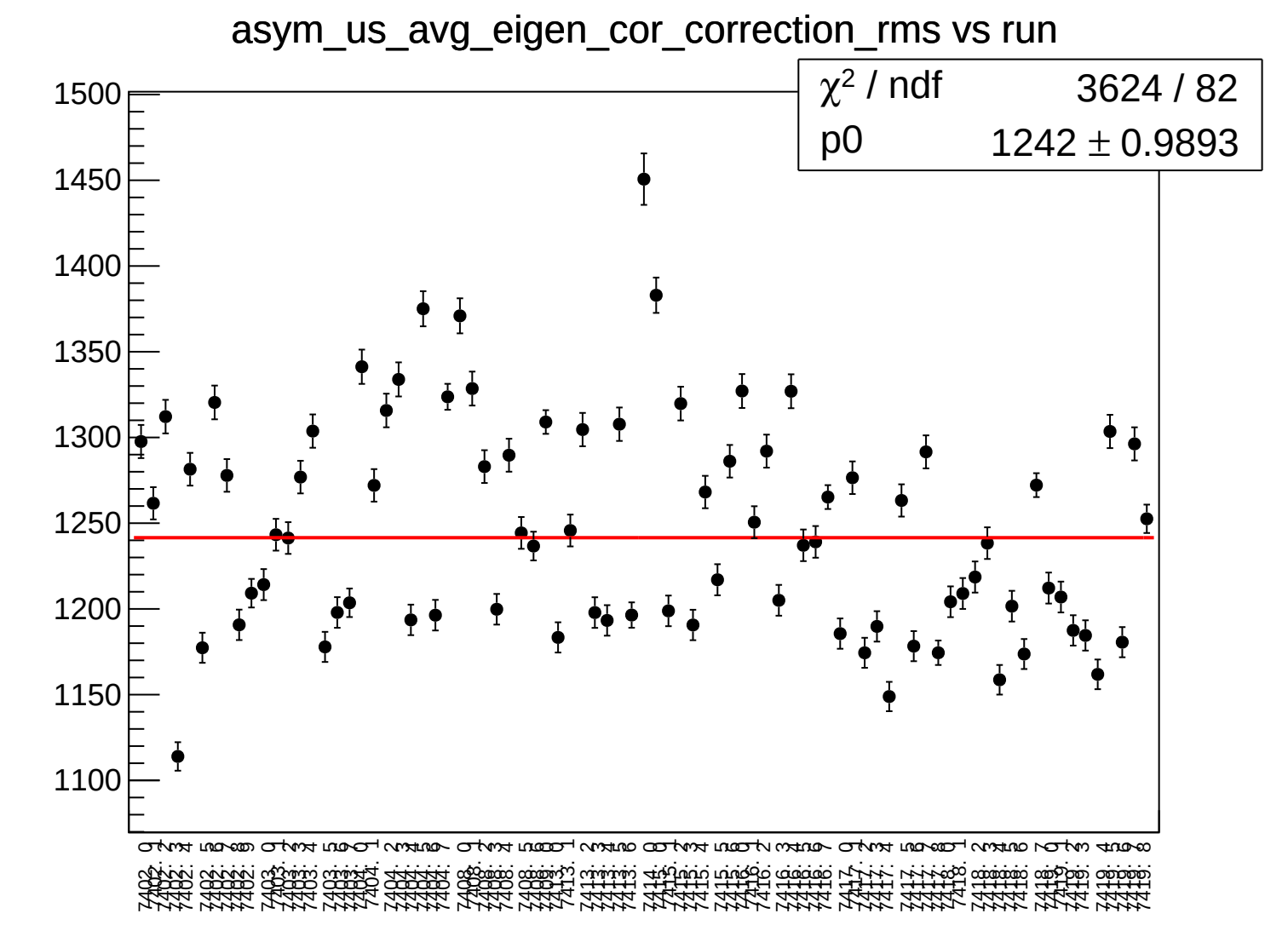

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 80.93 / 82
p0 2098 ± 864.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 44.66
Std Dev 0
3
2
1
0
−1
−2

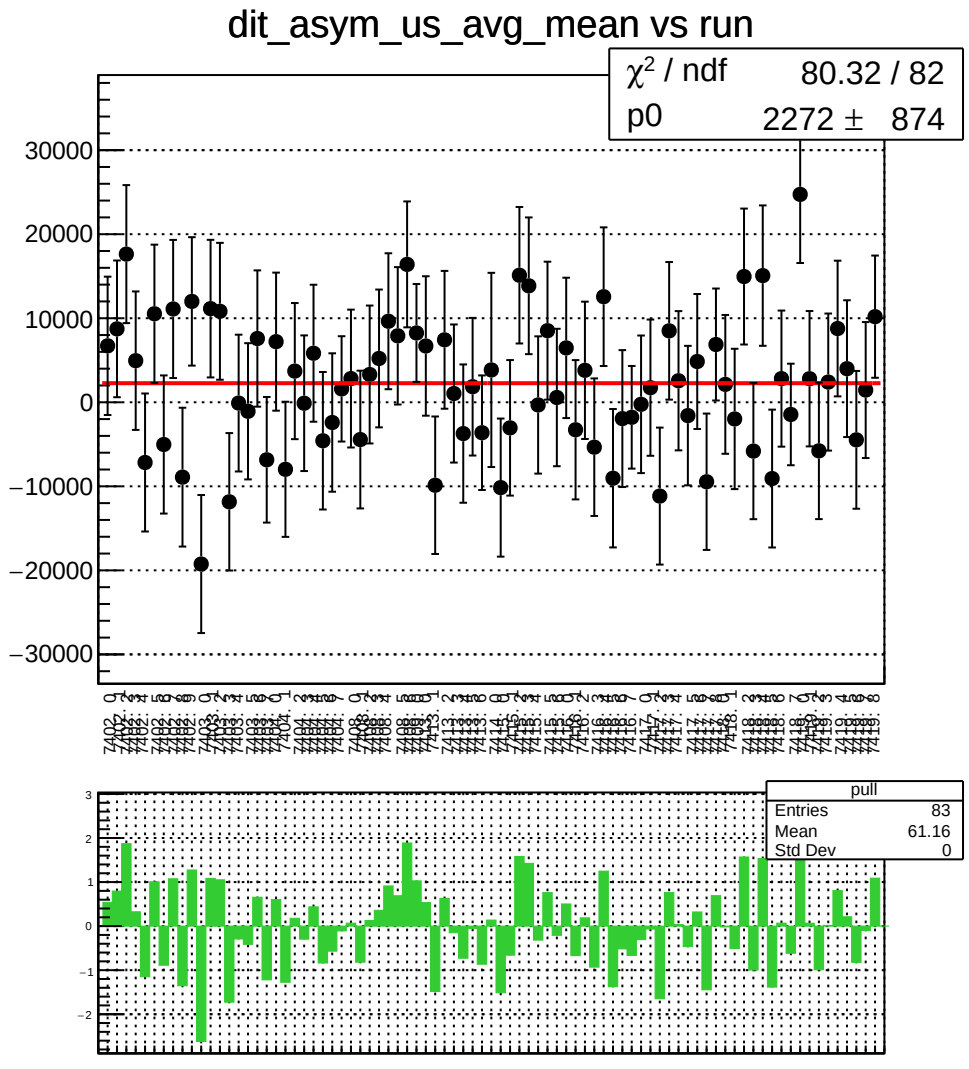

pull1D
Entries 83
Mean −0.003079
Std Dev 0.9875
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

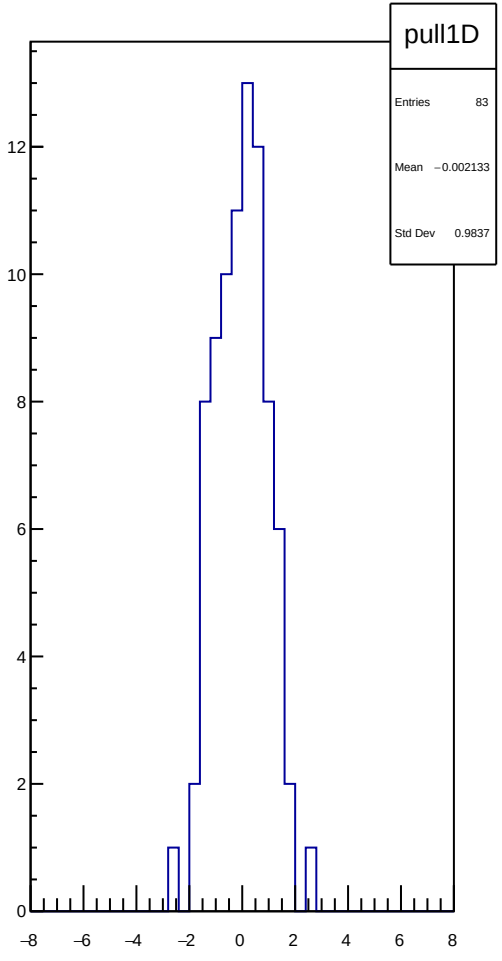

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 76.26 / 82
p0 767.8 ± 0.6111
790
785
780
775
770
765
760
755
750
745

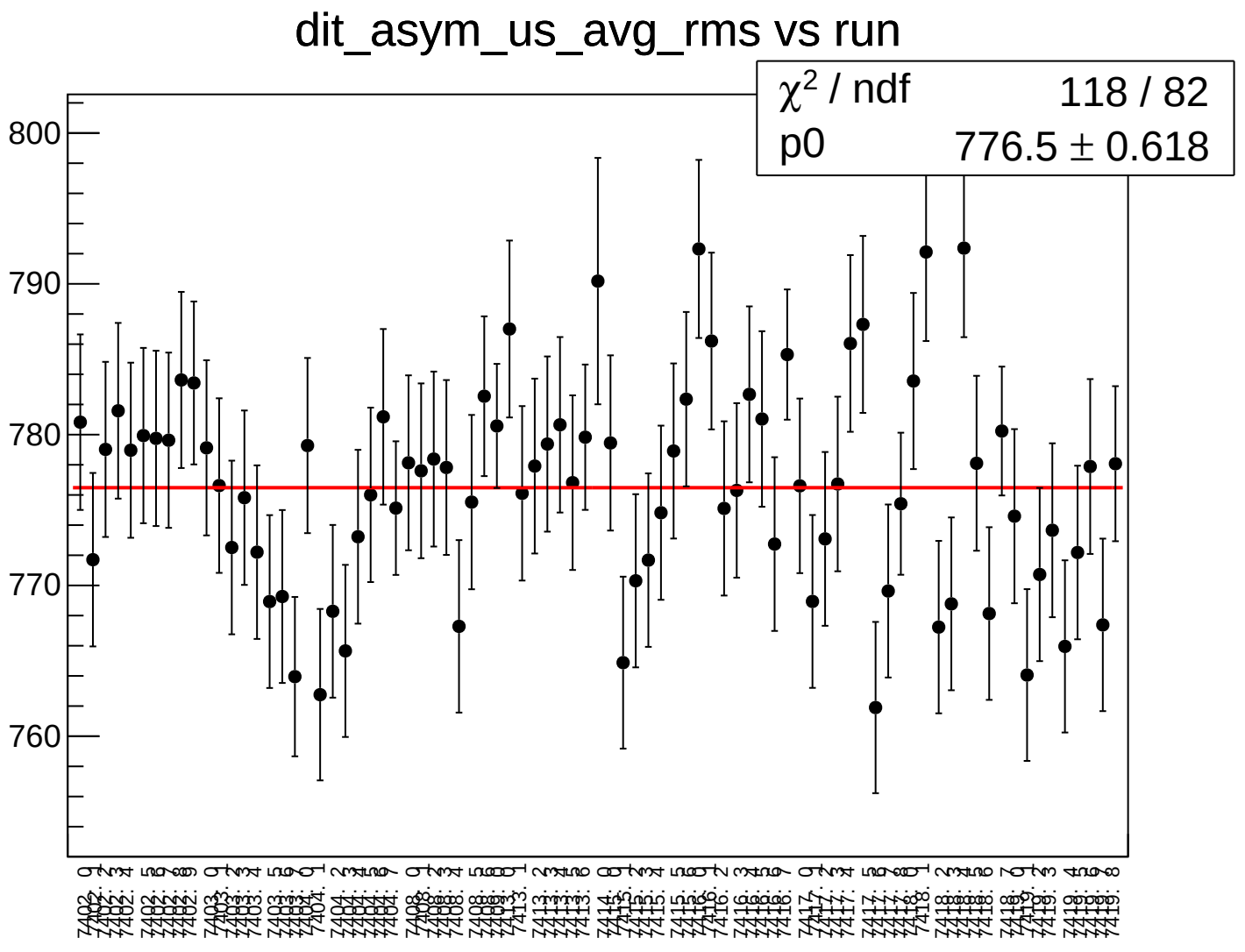

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 80.41 / 82
p0 241.3 ± 1399
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1061
Std Dev 0
2
1
0
−1
−2

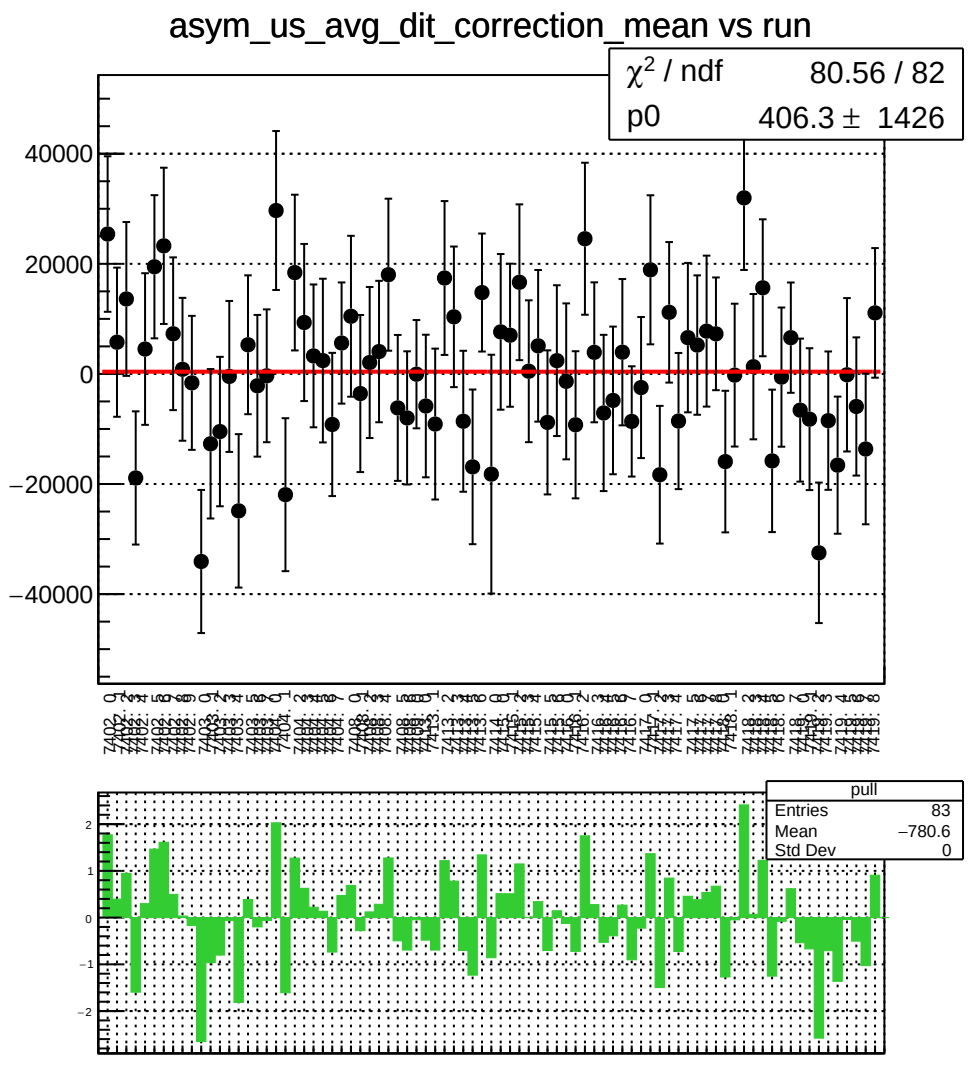

pull1D
Entries 83
Mean 0.002513
Std Dev 0.9843
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

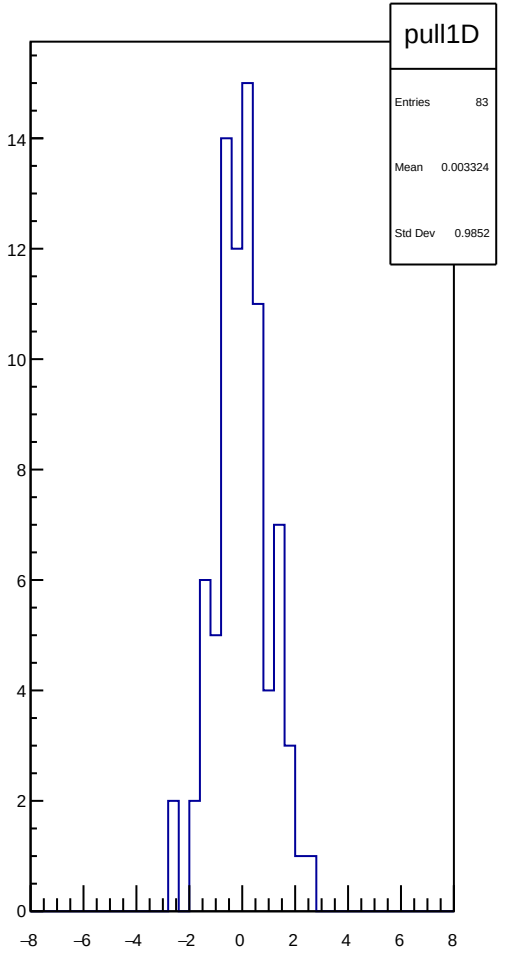

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 3624 / 82
p0 1242 ± 0.9893
1500
1450
1400
1350
1300
1250
1200
1150
1100


dit_asym_us_avg_mean vs run
χ² / ndf 80.32 / 82
p0 2272 ± 874
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 61.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.002133
Std Dev 0.9837
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_rms vs run
χ^2 / ndf 118 / 82
p0 776.5 ± 0.618
800
790
780
770
760


asym_us_avg_dit_correction_mean vs run
χ² / ndf 80.56 / 82
p0 406.3 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −780.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.003324
Std Dev 0.9852
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12
10
8
6
4
2
0
−8
−6
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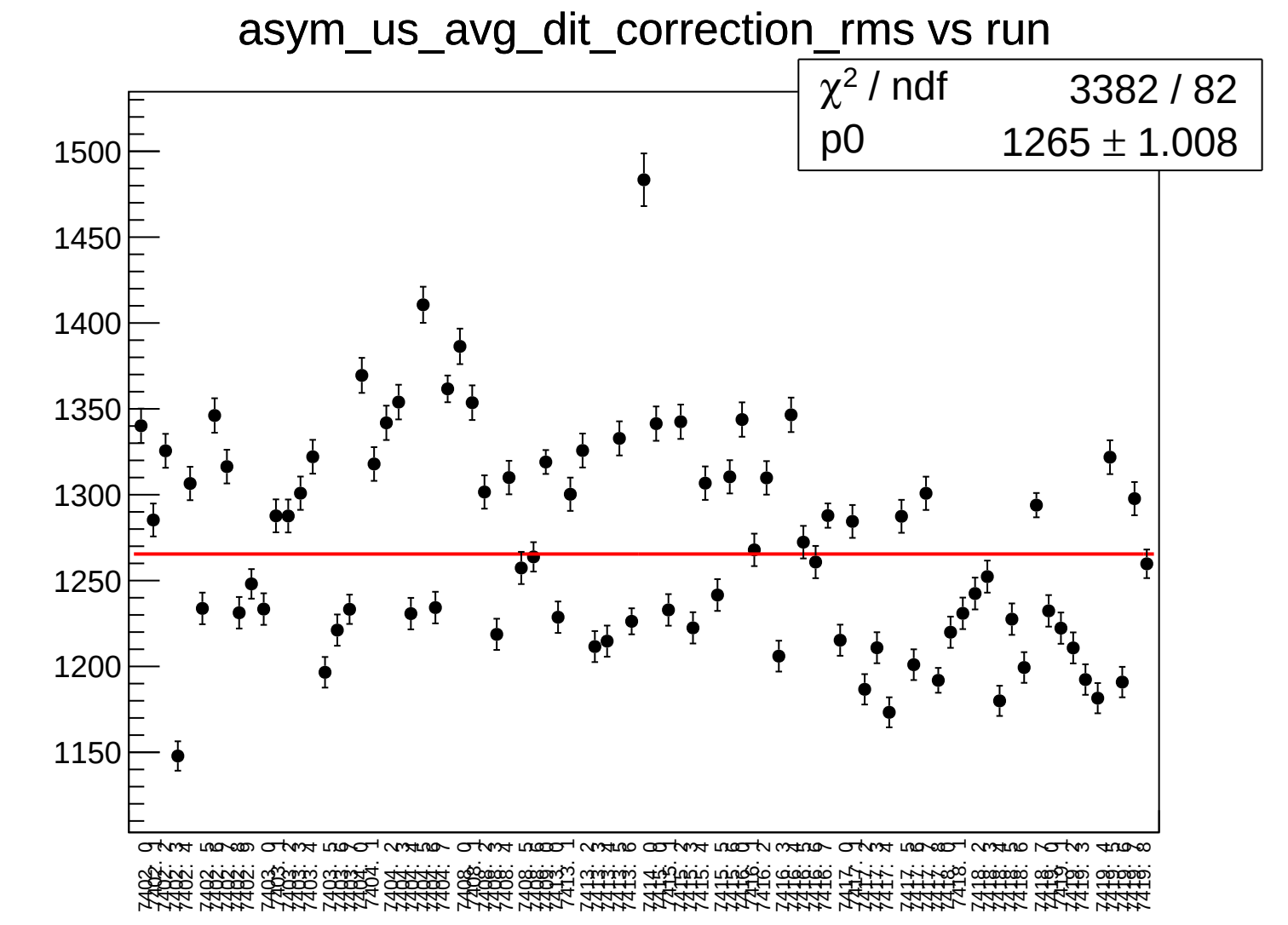
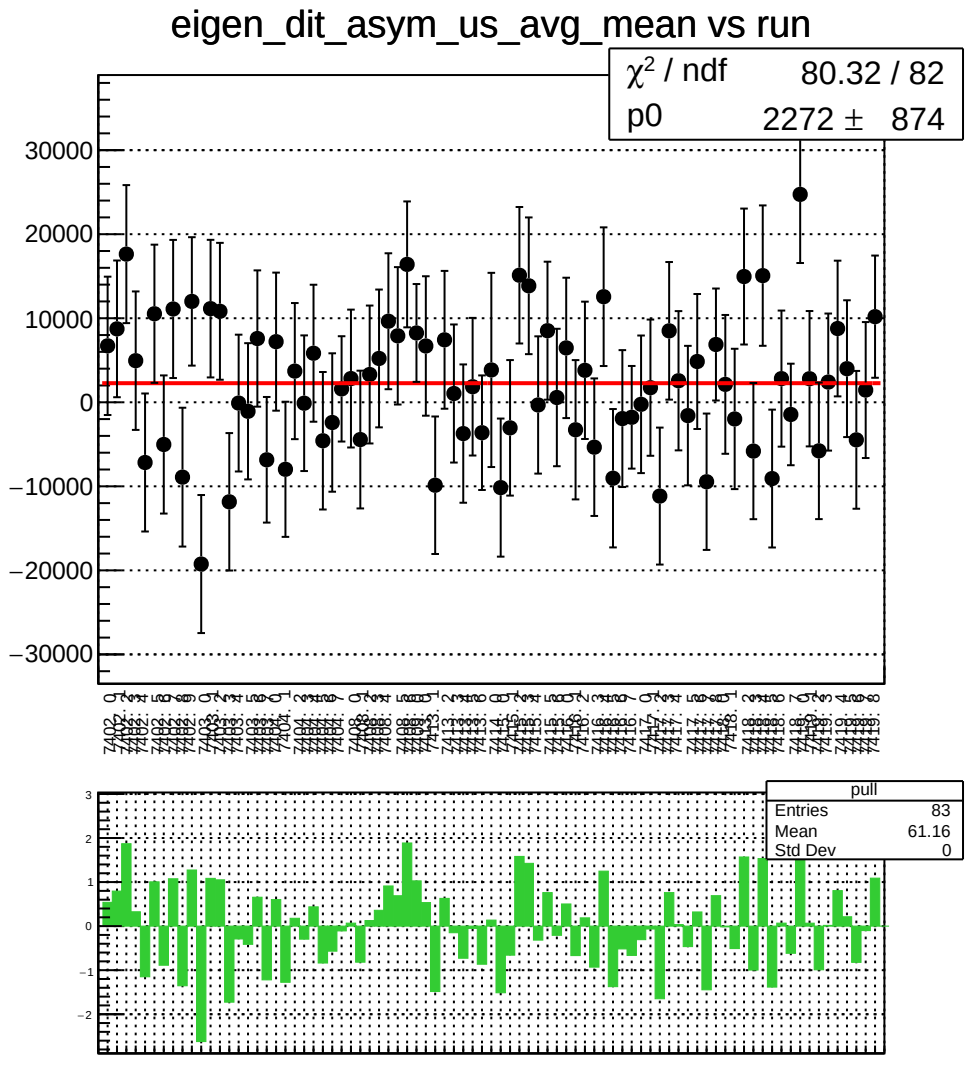
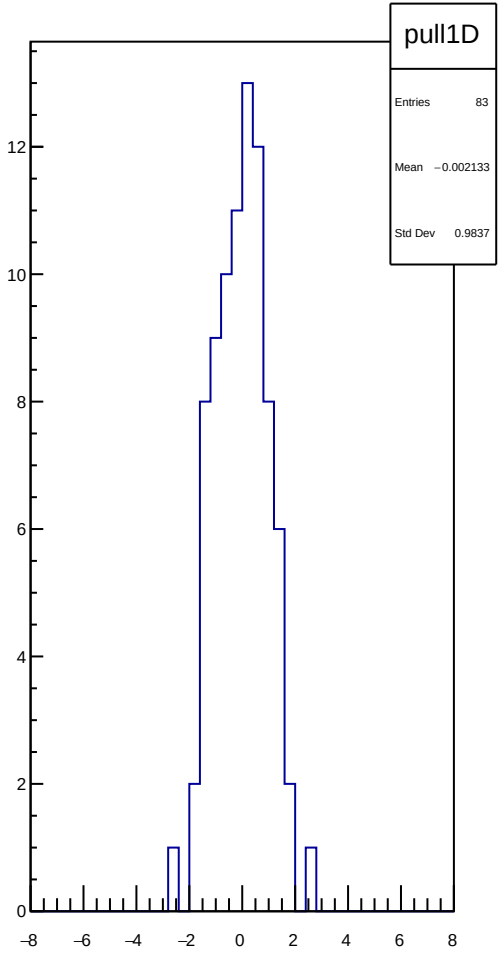
2
4
6
8


asym_us_avg_dit_correction_rms vs run
χ² / ndf 3382 / 82
p0 1265 ± 1.008
1500
1450
1400
1350
1300
1250
1200
1150


eigen_dit_asym_us_avg_mean vs run
χ² / ndf 80.32 / 82
p0 2272 ± 874
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 61.16
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.002133
Std Dev 0.9837
12
10
8
6
4
2
0
−8
−6
−4
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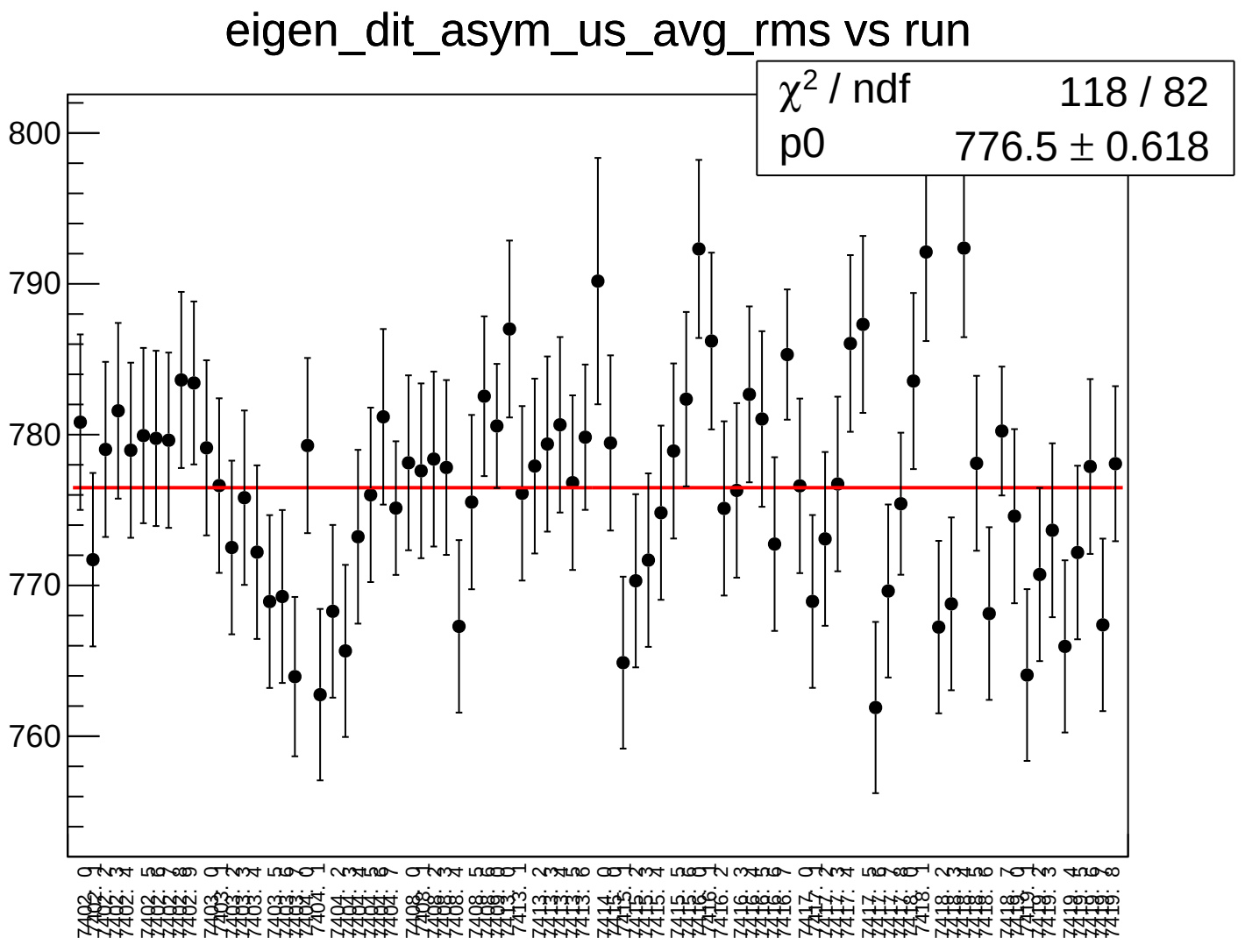
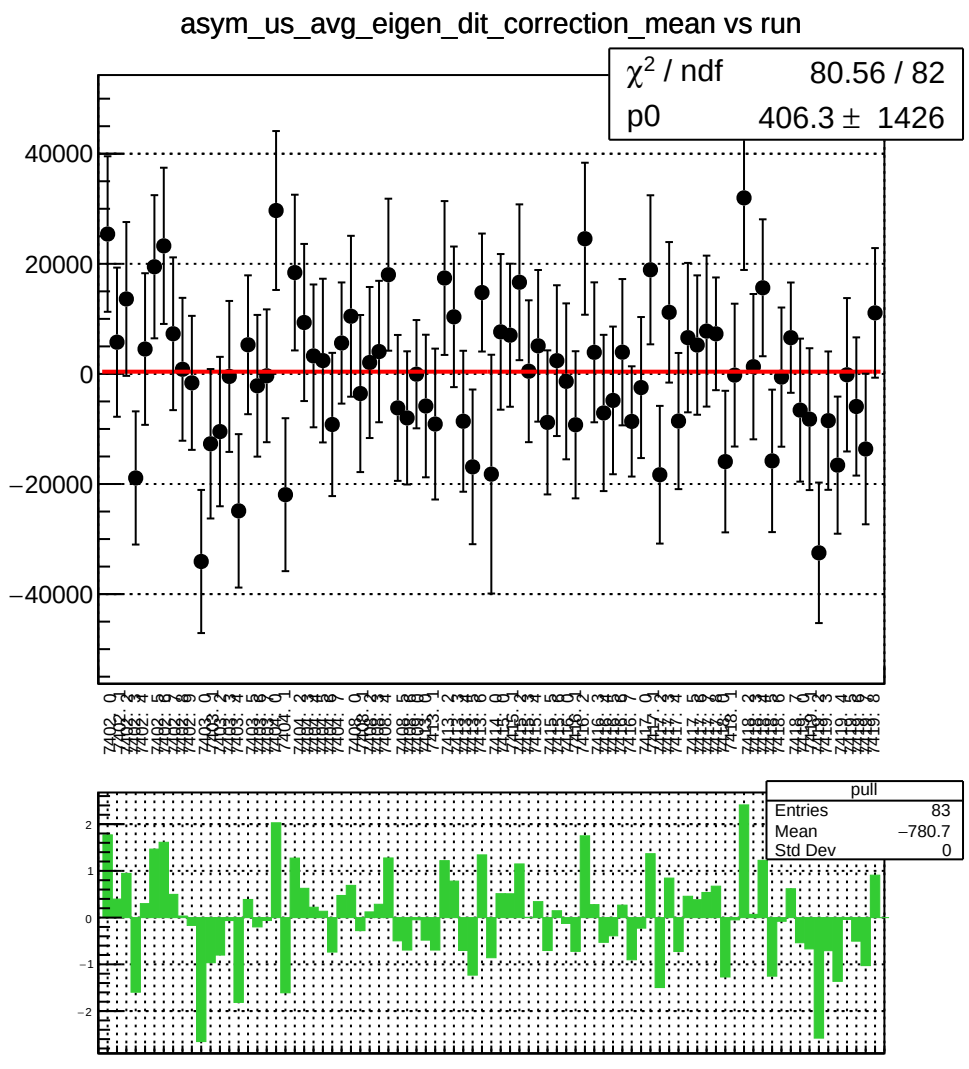
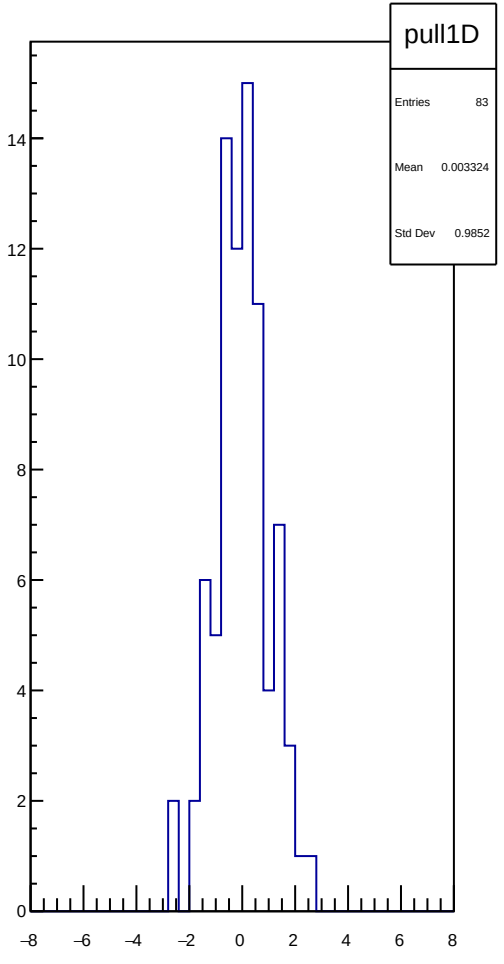
2
4
6
8


eigen_dit_asym_us_avg_rms vs run
χ² / ndf 118 / 82
p0 776.5 ± 0.618
800
790
780
770
760


asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 80.56 / 82
p0 406.3 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −780.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.003324
Std Dev 0.9852
14
12
10
8
6
4
2
0
−8
−6
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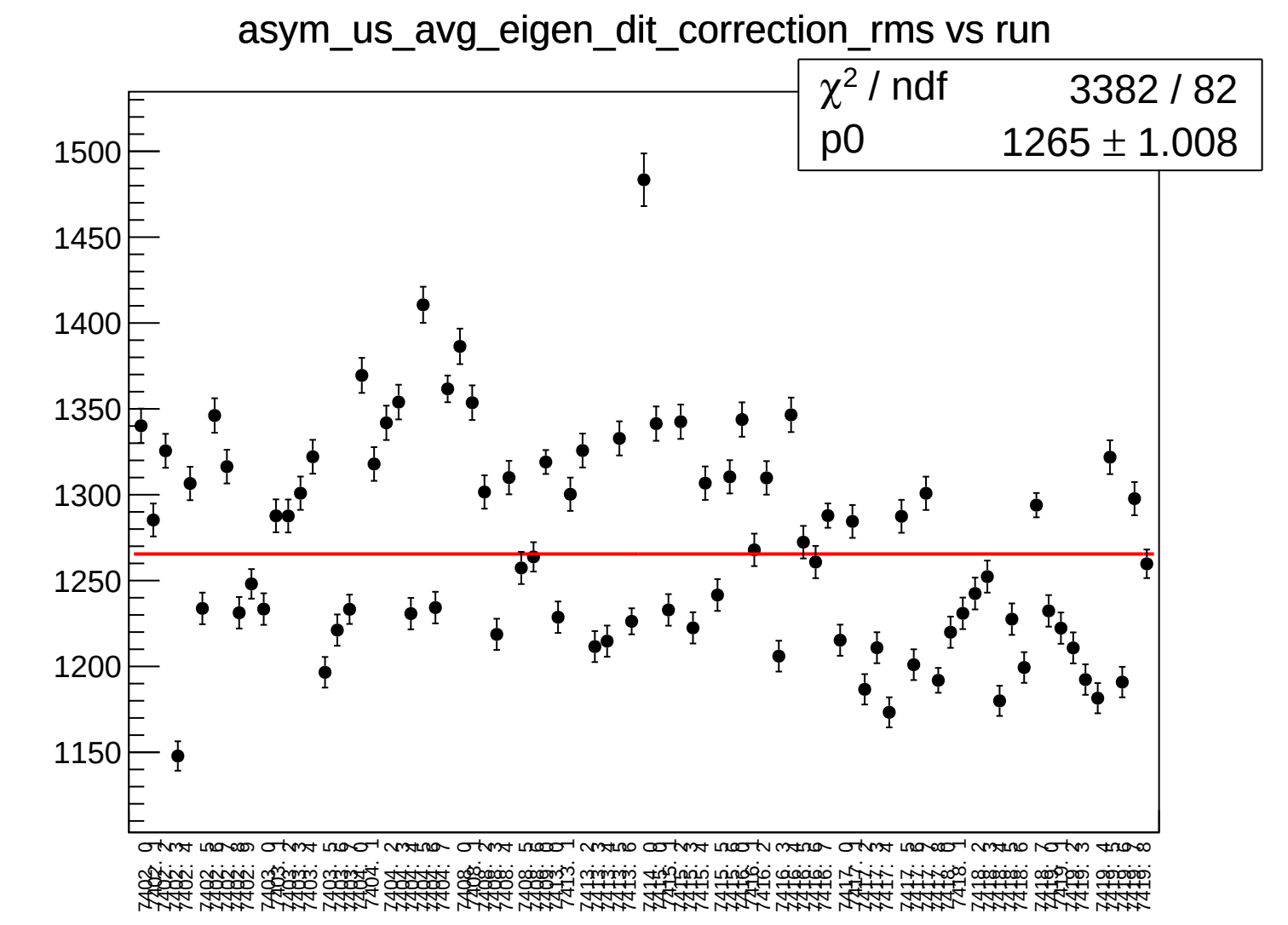
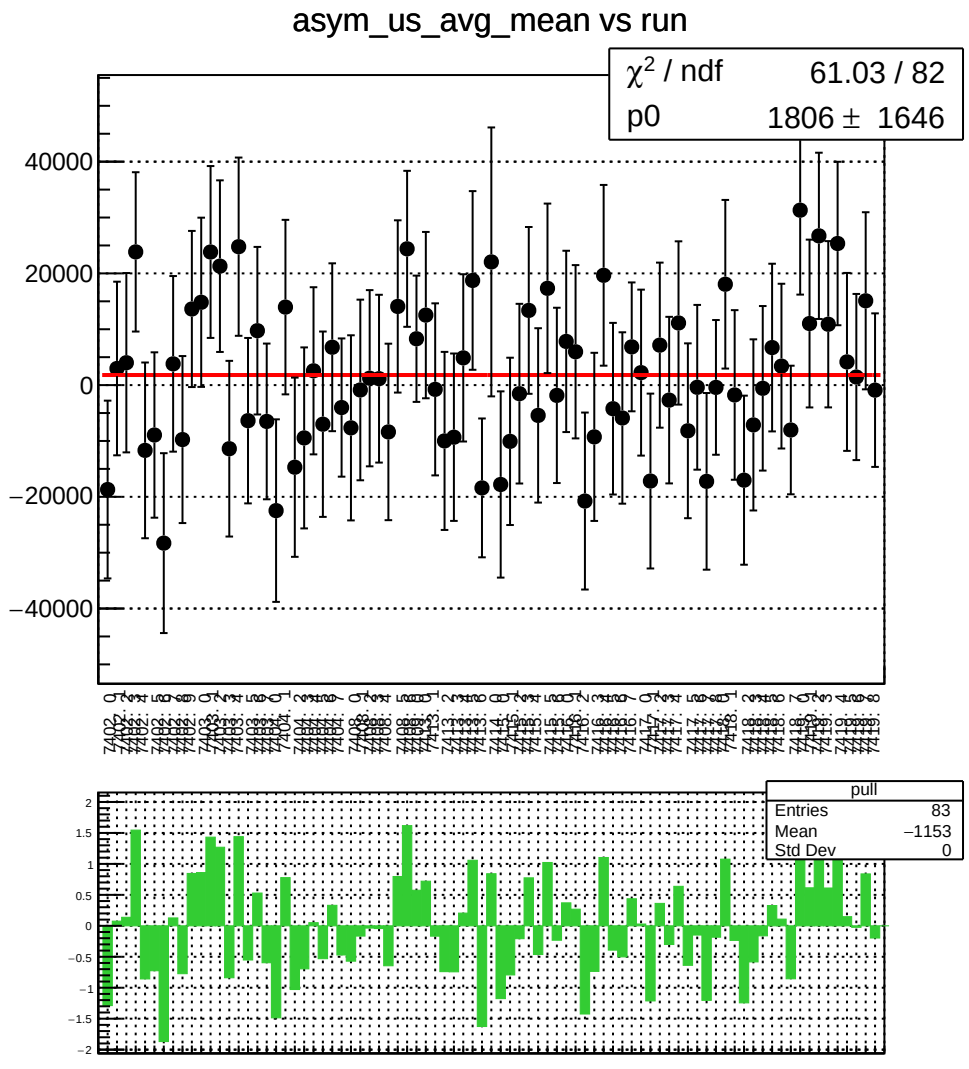
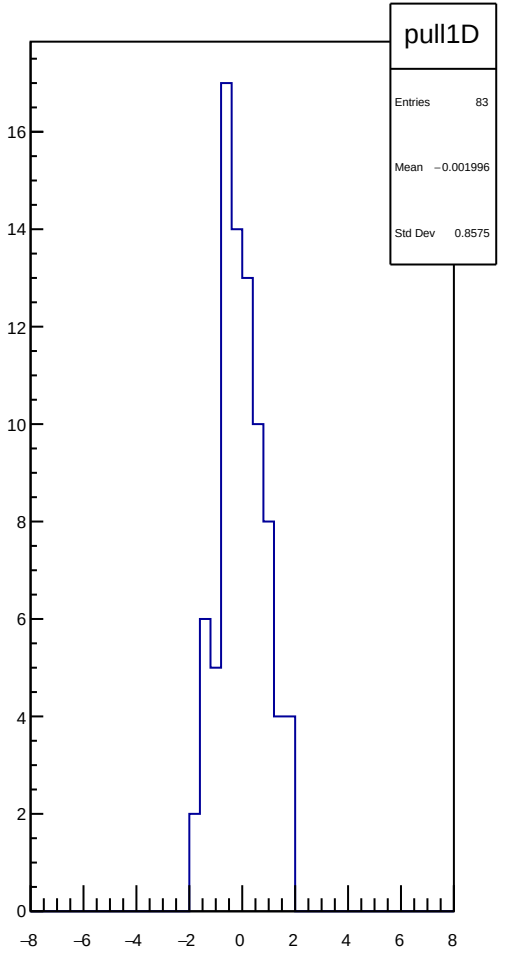
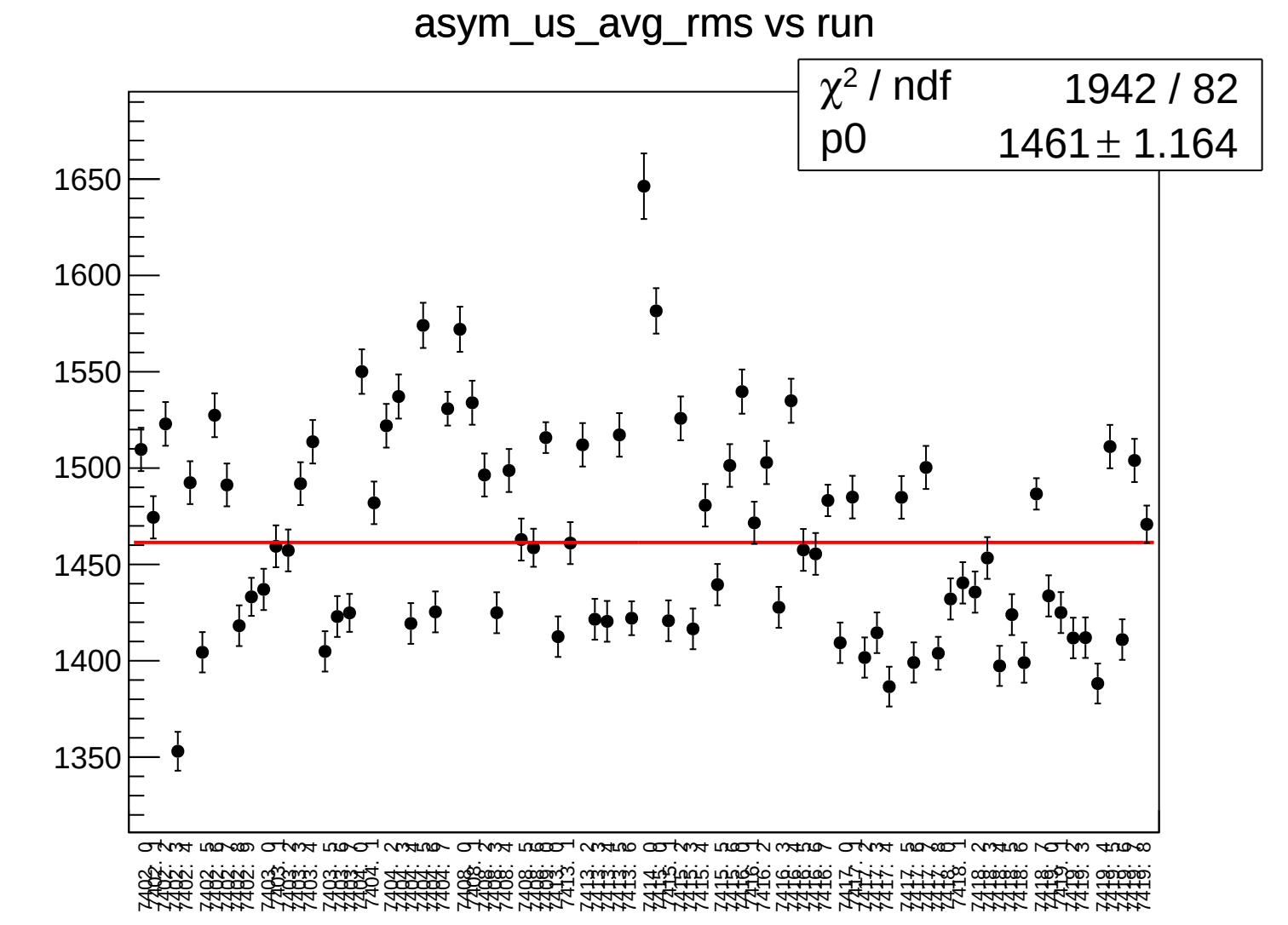
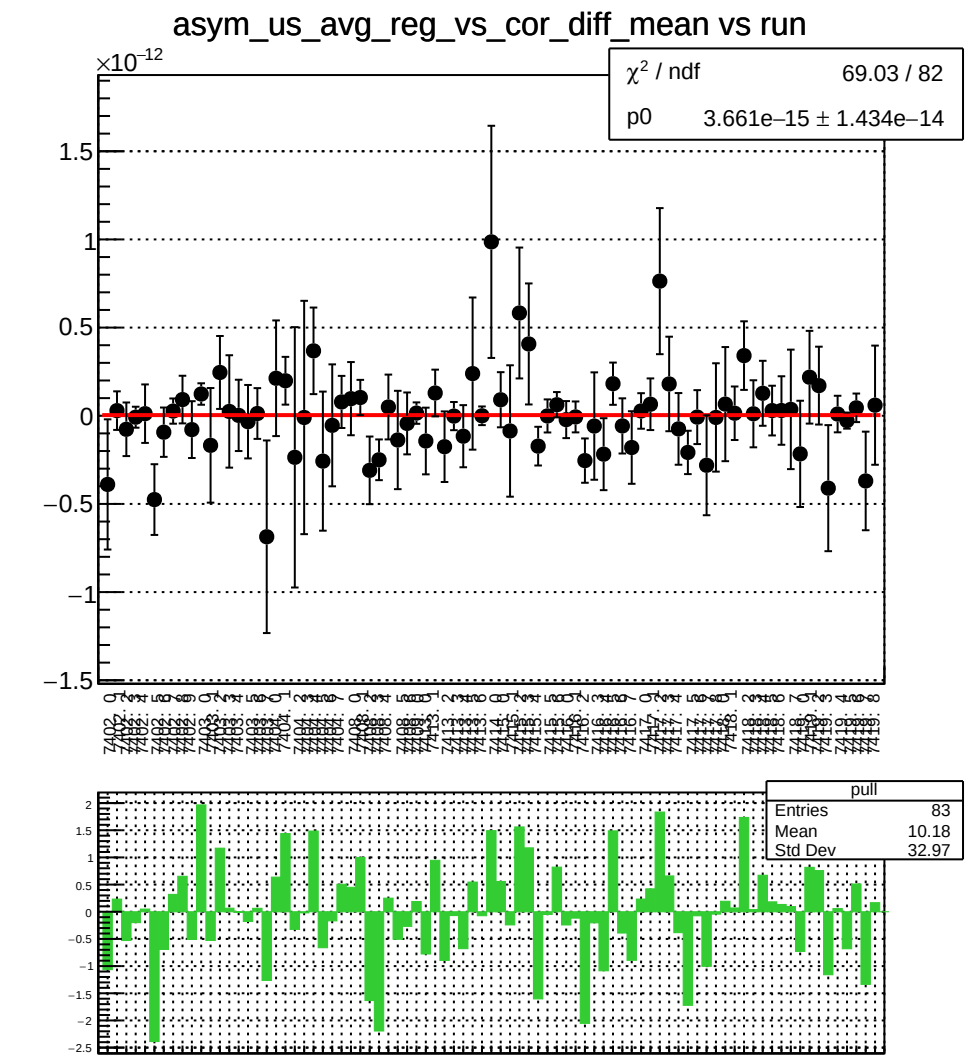
2
4
6
8

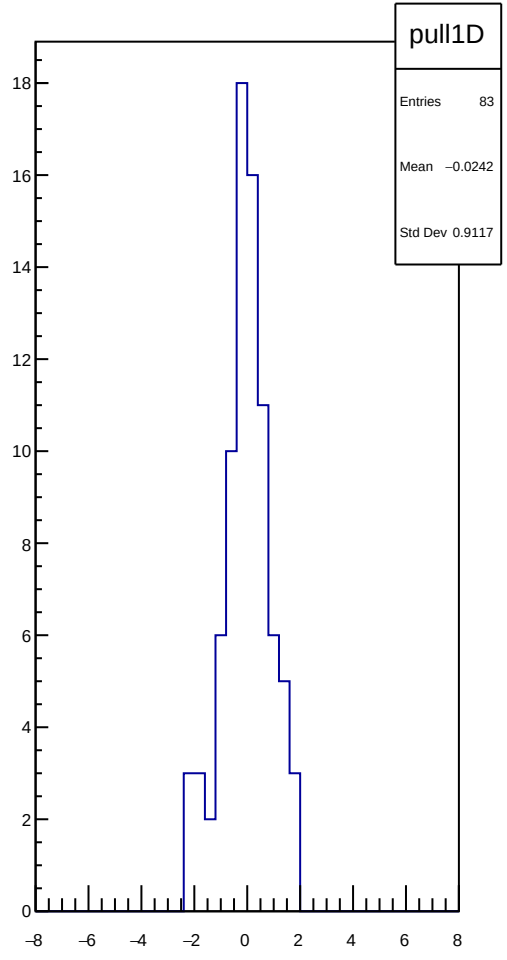

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 3382 / 82
p0 1265 ± 1.008
1500
1450
1400
1350
1300
1250
1200
1150

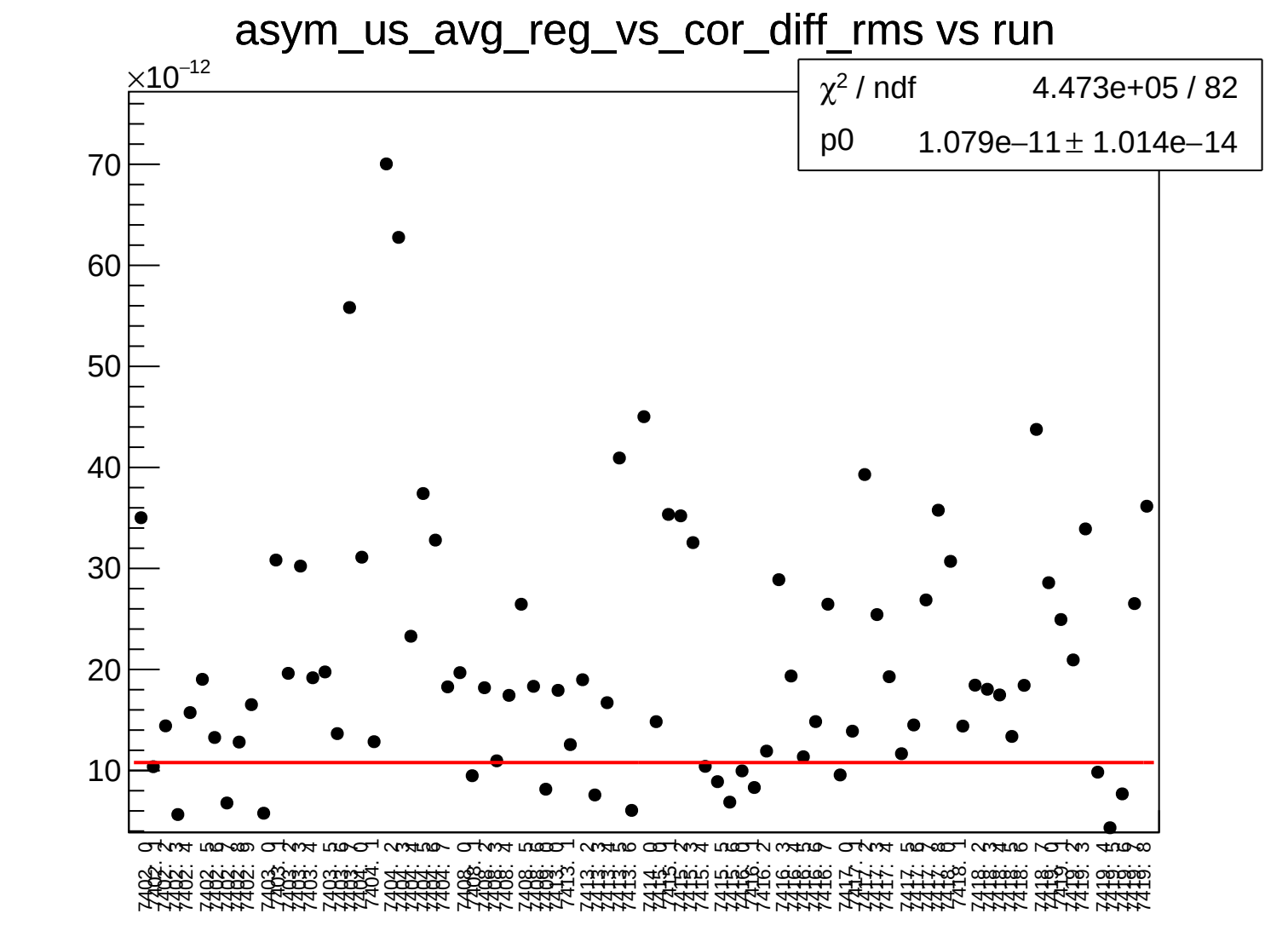

asym_us_avg_mean vs run
χ² / ndf 61.03 / 82
p0 1806 ± 1646
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1153
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

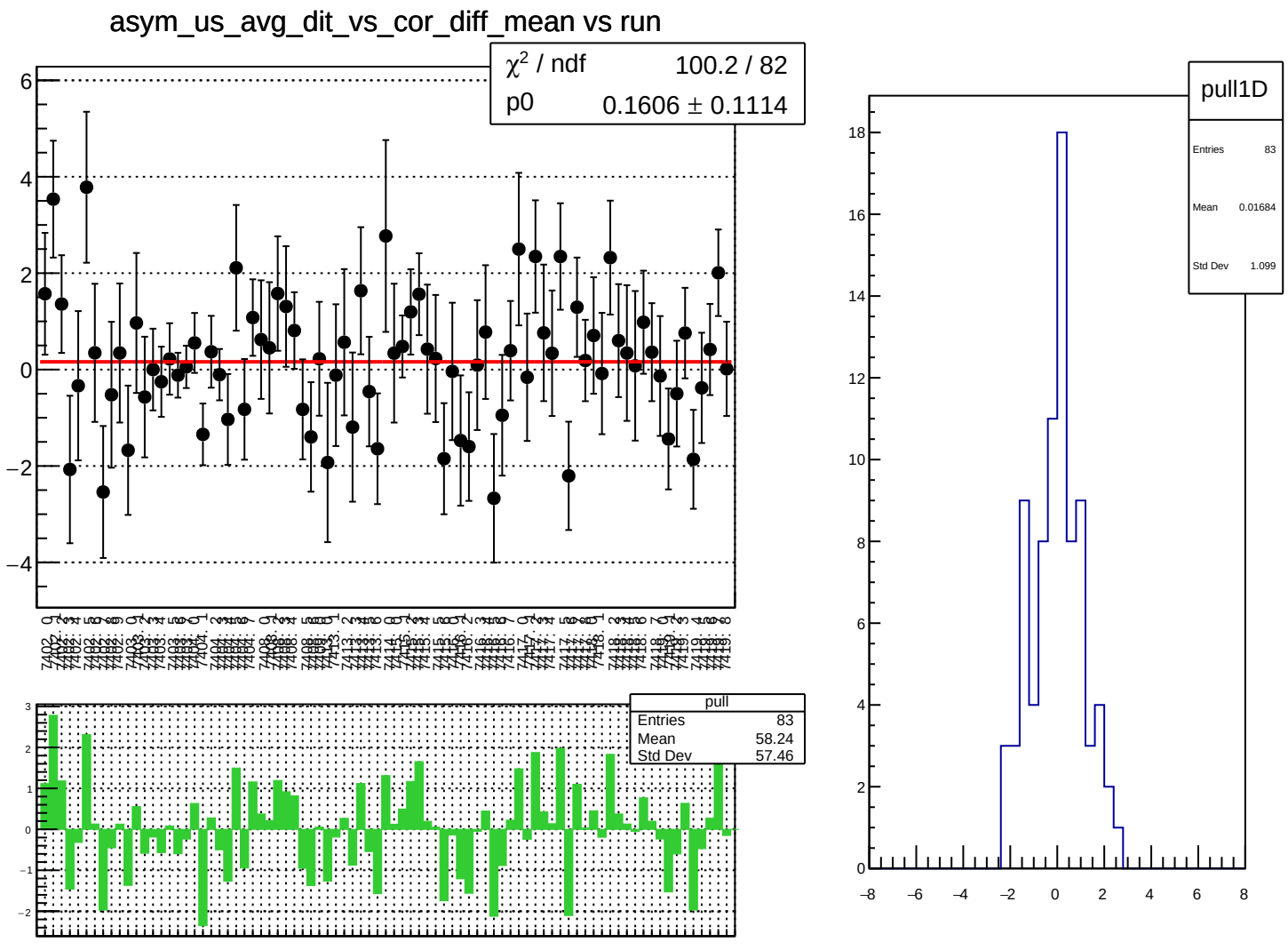

pull1D
Entries 83
Mean −0.001996
Std Dev 0.8575
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

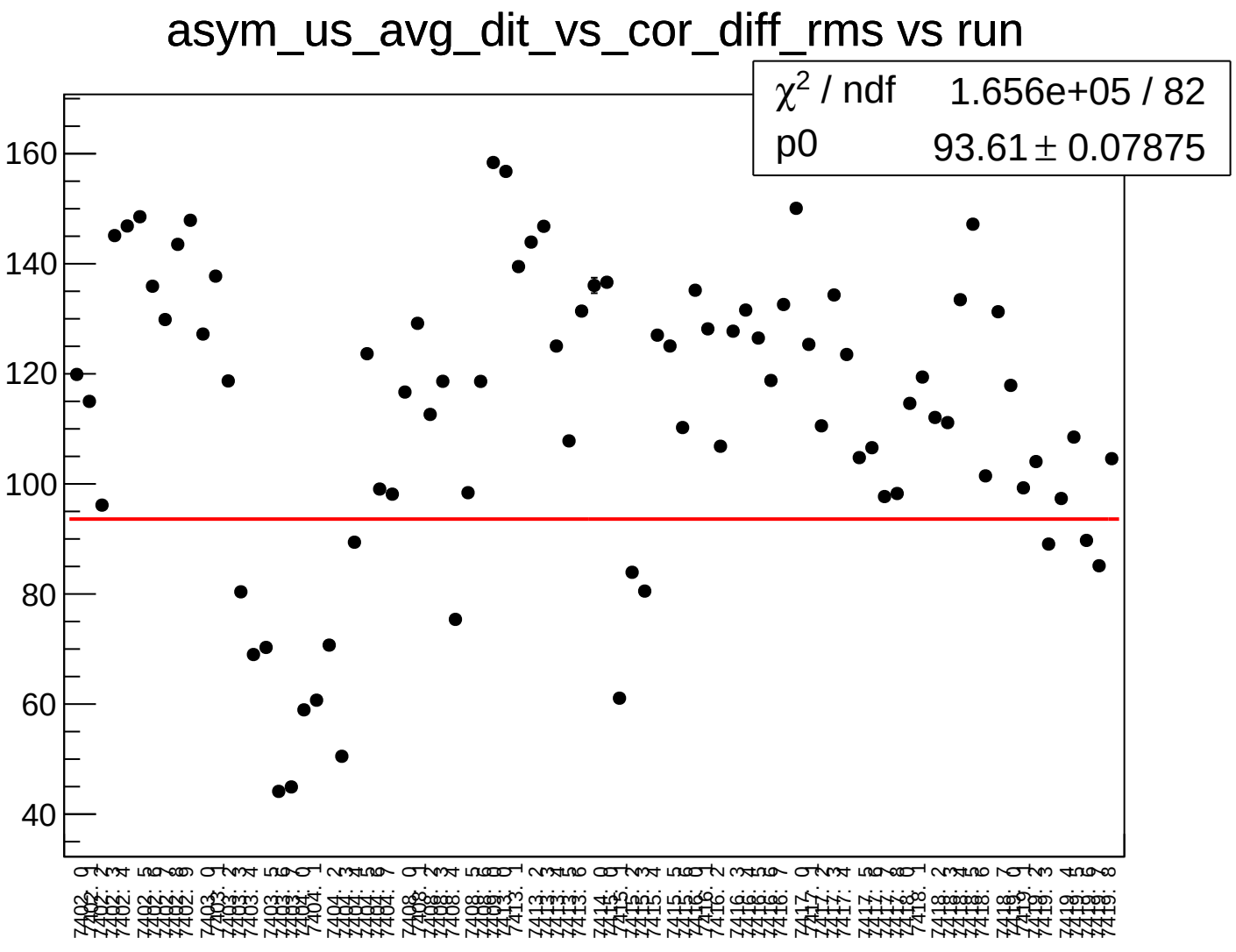

asym_us_avg_rms vs run
χ² / ndf 1942 / 82
p0 1461 ± 1.164
1650
1600
1550
1500
1450
1400
1350

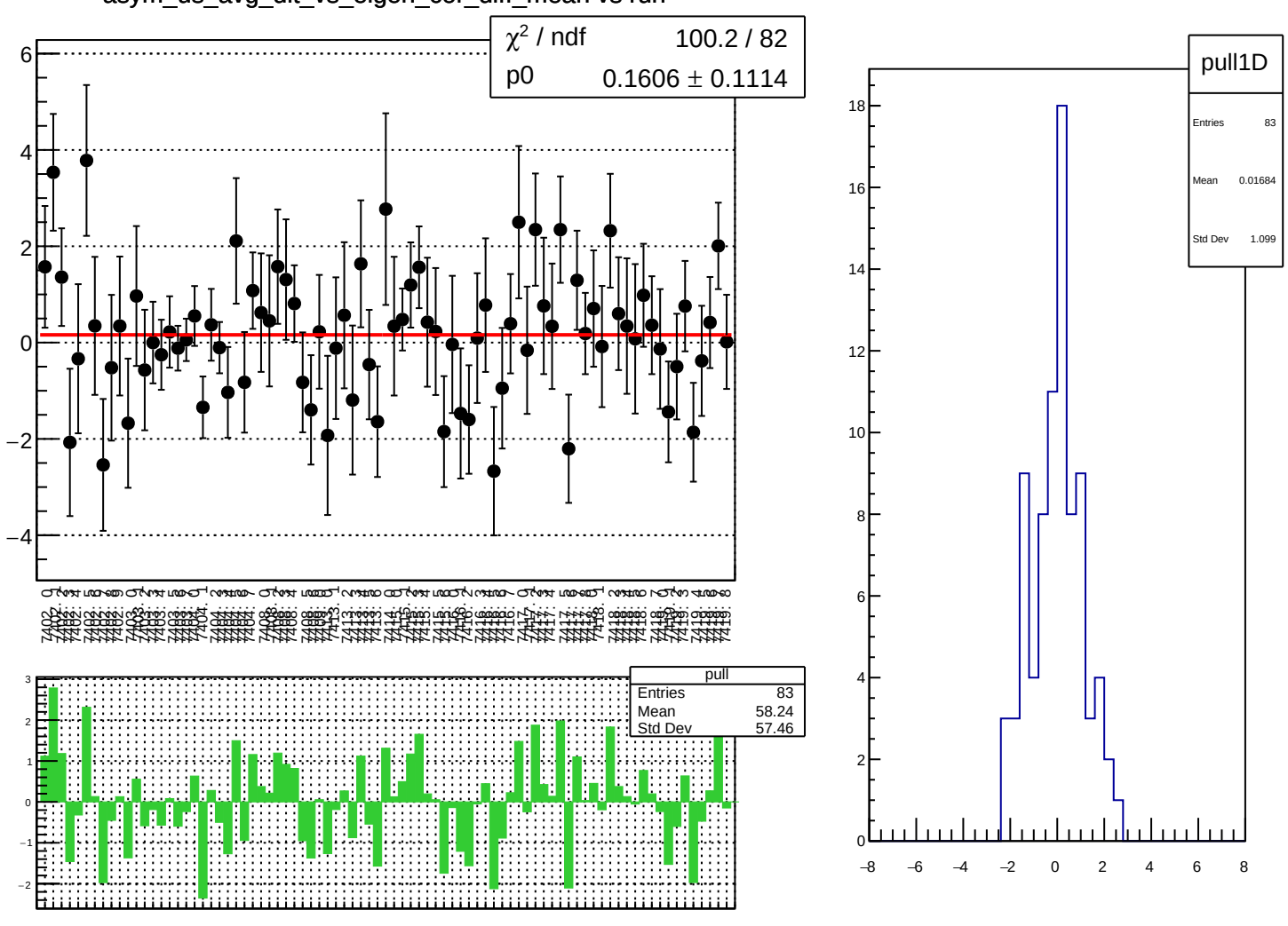

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.03 / 82
p0 3.661e−15 ± 1.434e−14
1.5
1
0.5
0
−0.5
−1
−1.5
pull
Entries 83
Mean 10.18
Std Dev 32.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

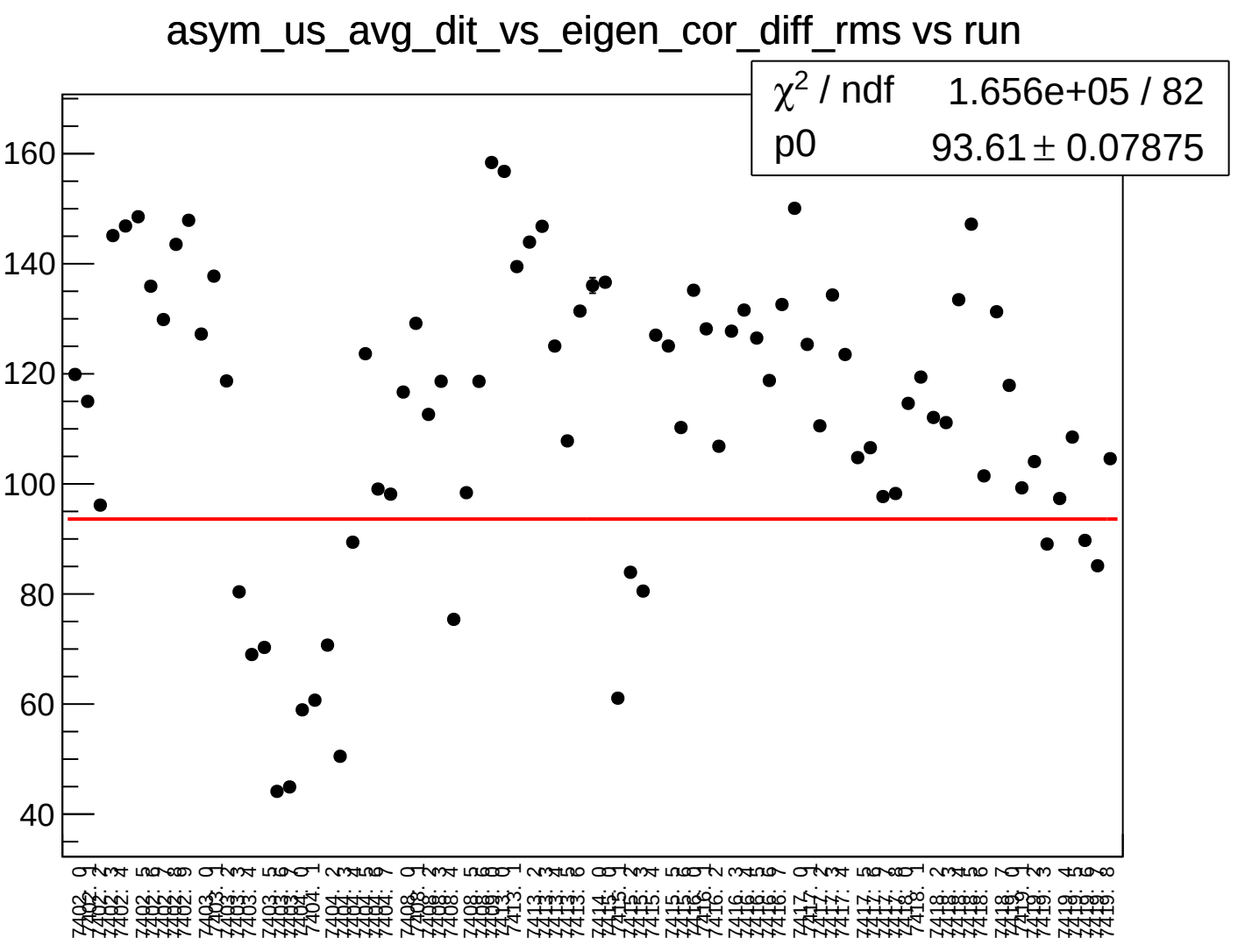

pull1D
Entries 83
Mean −0.0242
Std Dev 0.9117
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

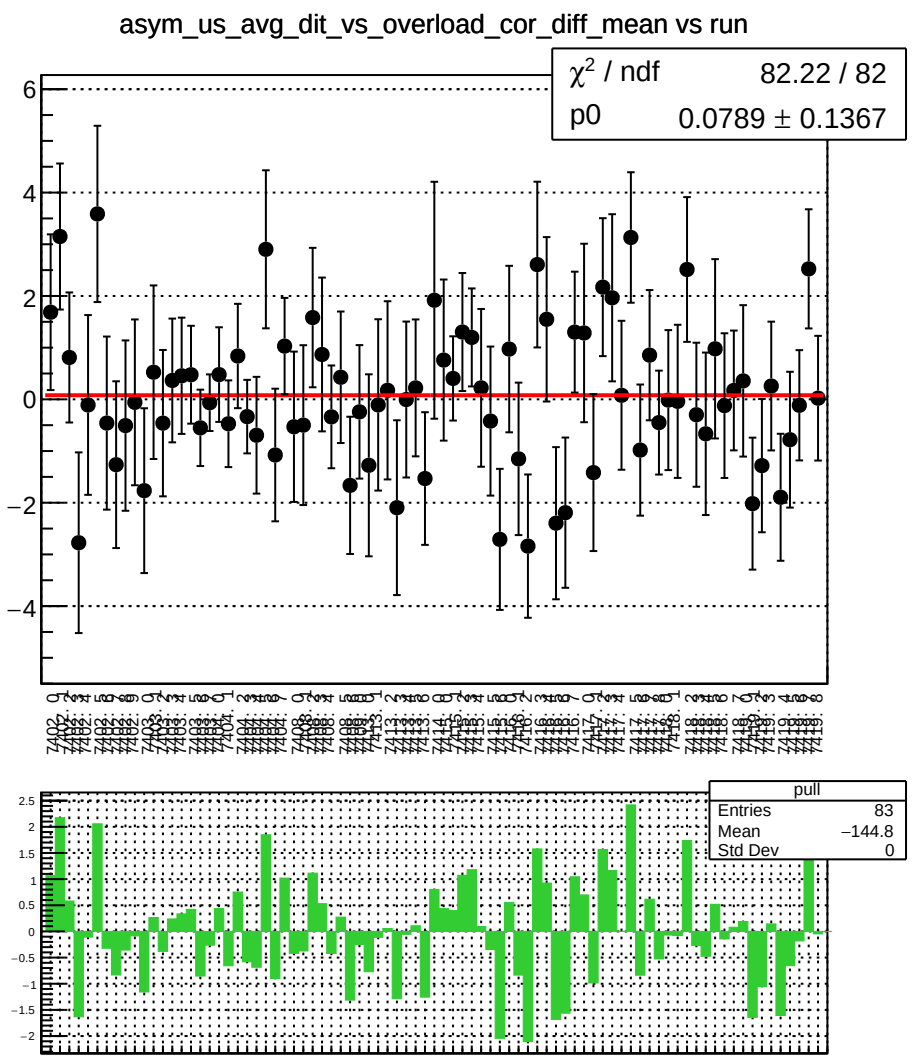

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.473e+05 / 82
p0 1.079e−11 ± 1.014e−14
70
60
50
40
30
20
10

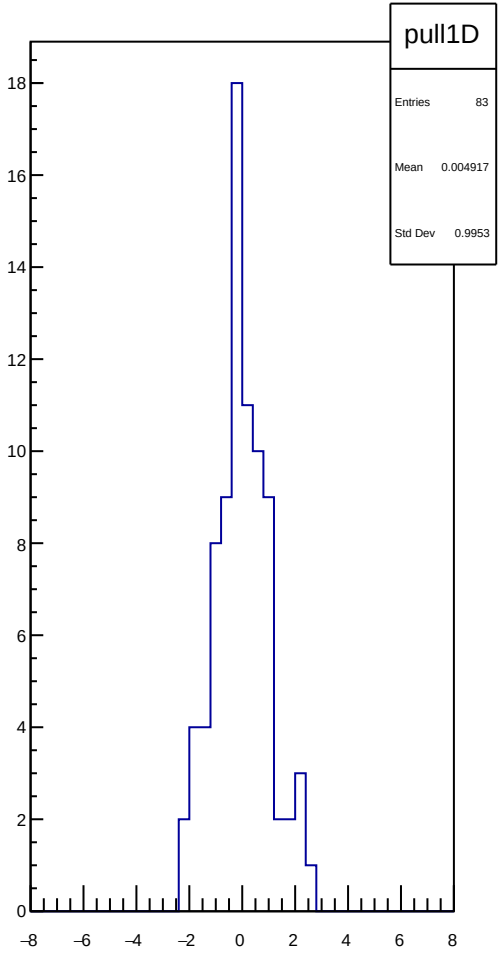

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.1606 ± 0.1114
pull
Entries 83
Mean 58.24
Std Dev 57.46
pull1D
Entries 83
Mean 0.01684
Std Dev 1.099

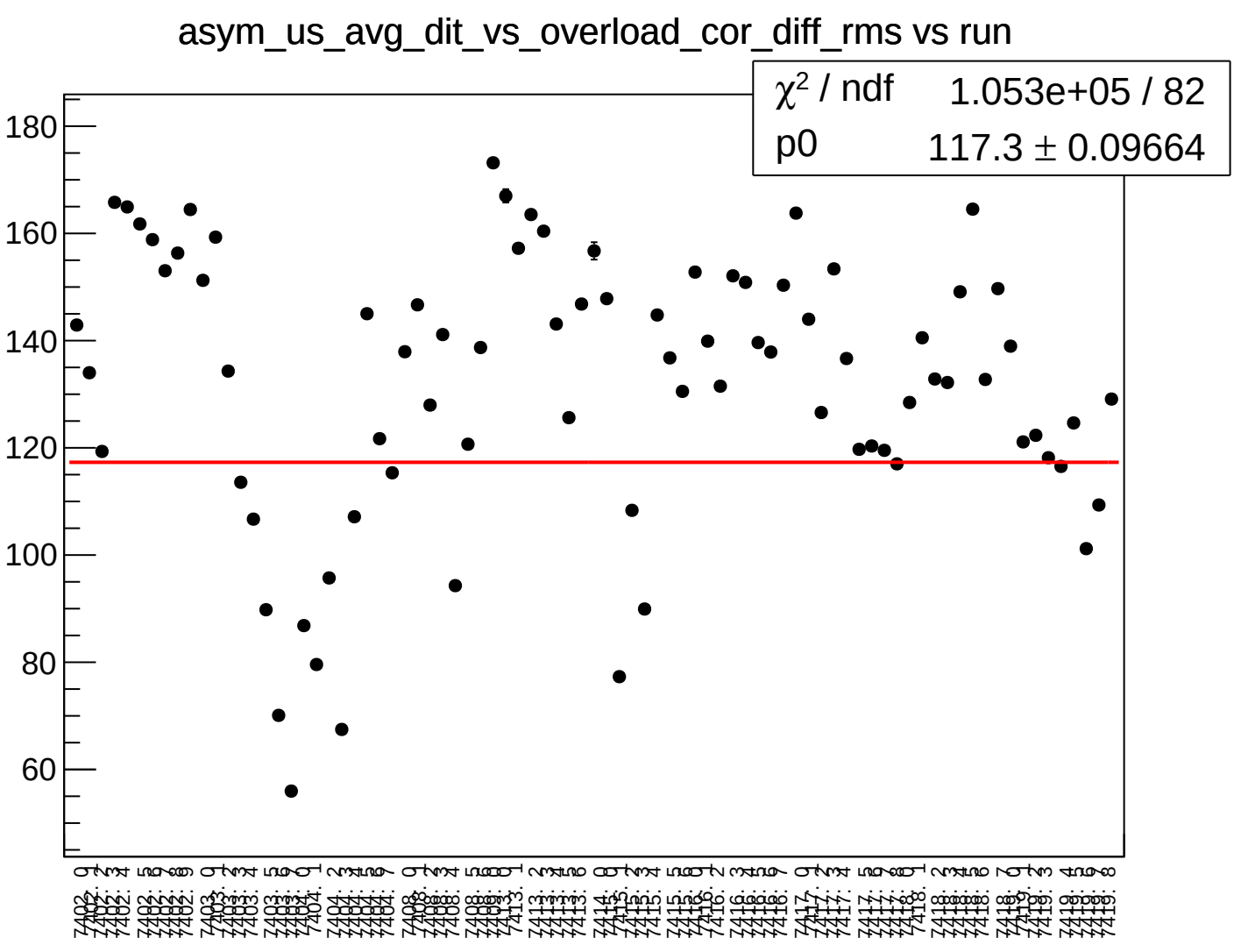

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 82
p0 93.61 ± 0.07875
160
140
120
100
80
60
40

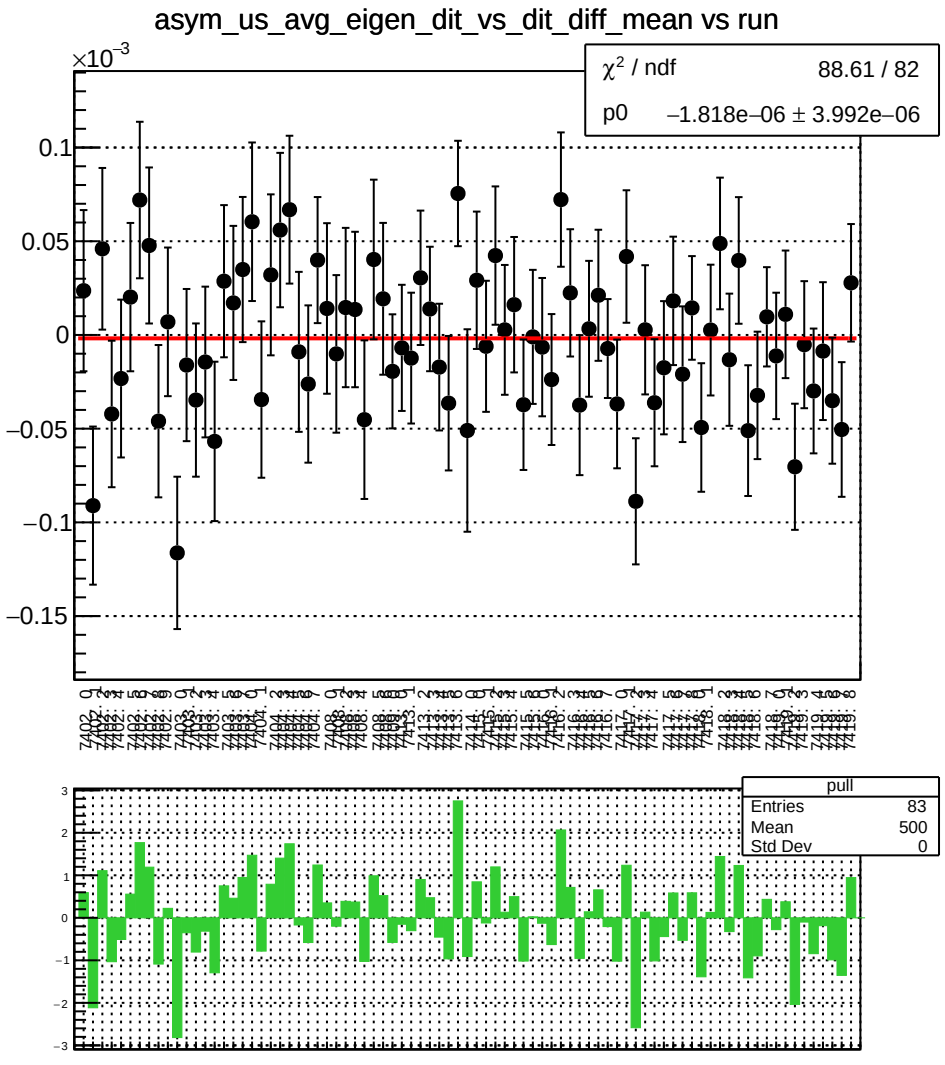

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.1606 ± 0.1114
pull
Entries 83
Mean 58.24
Std Dev 57.46
pull1D
Entries 83
Mean 0.01684
Std Dev 1.099

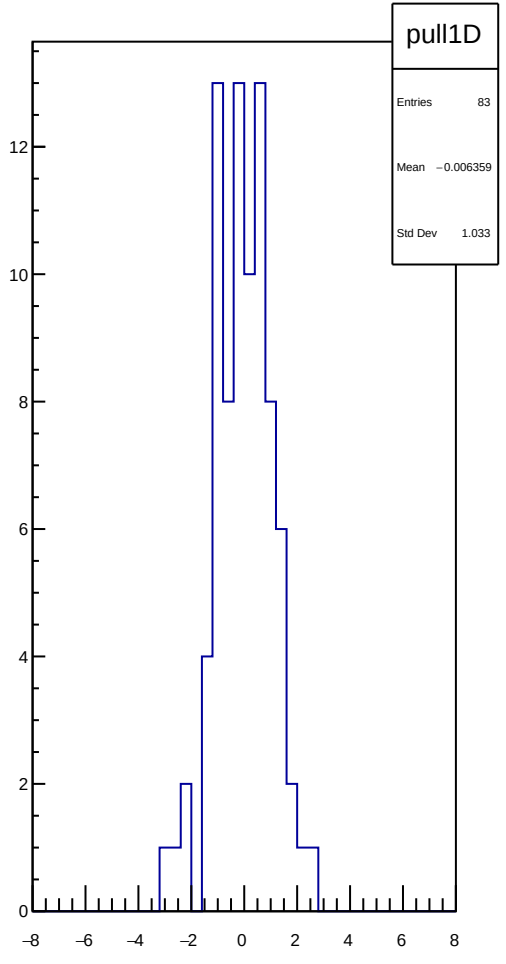

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.656e+05 / 82
p0 93.61 ± 0.07875
160
140
120
100
80
60
40

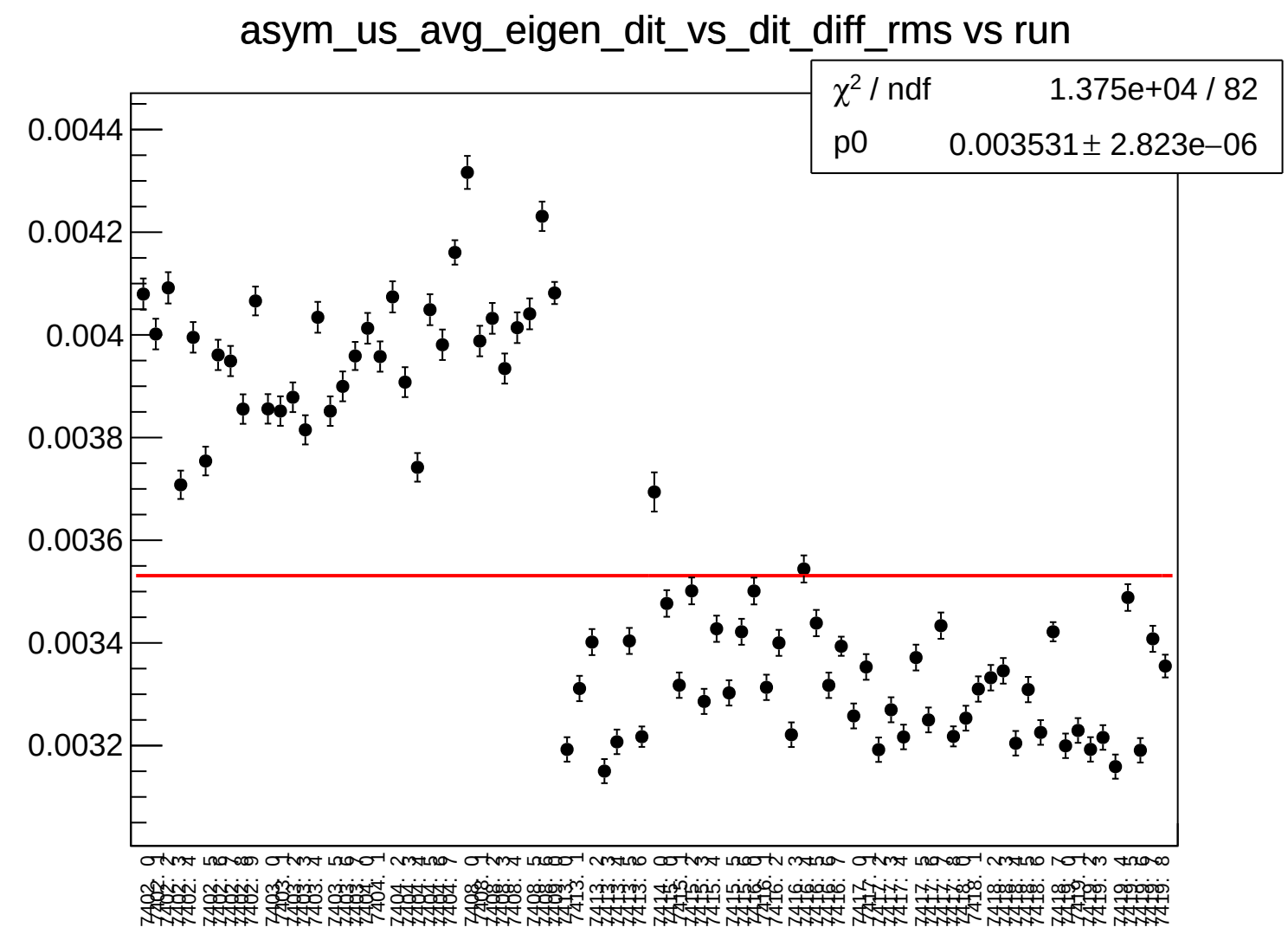

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 82.22 / 82
p0 0.0789 ± 0.1367
pull
Entries 83
Mean −144.8
Std Dev 0

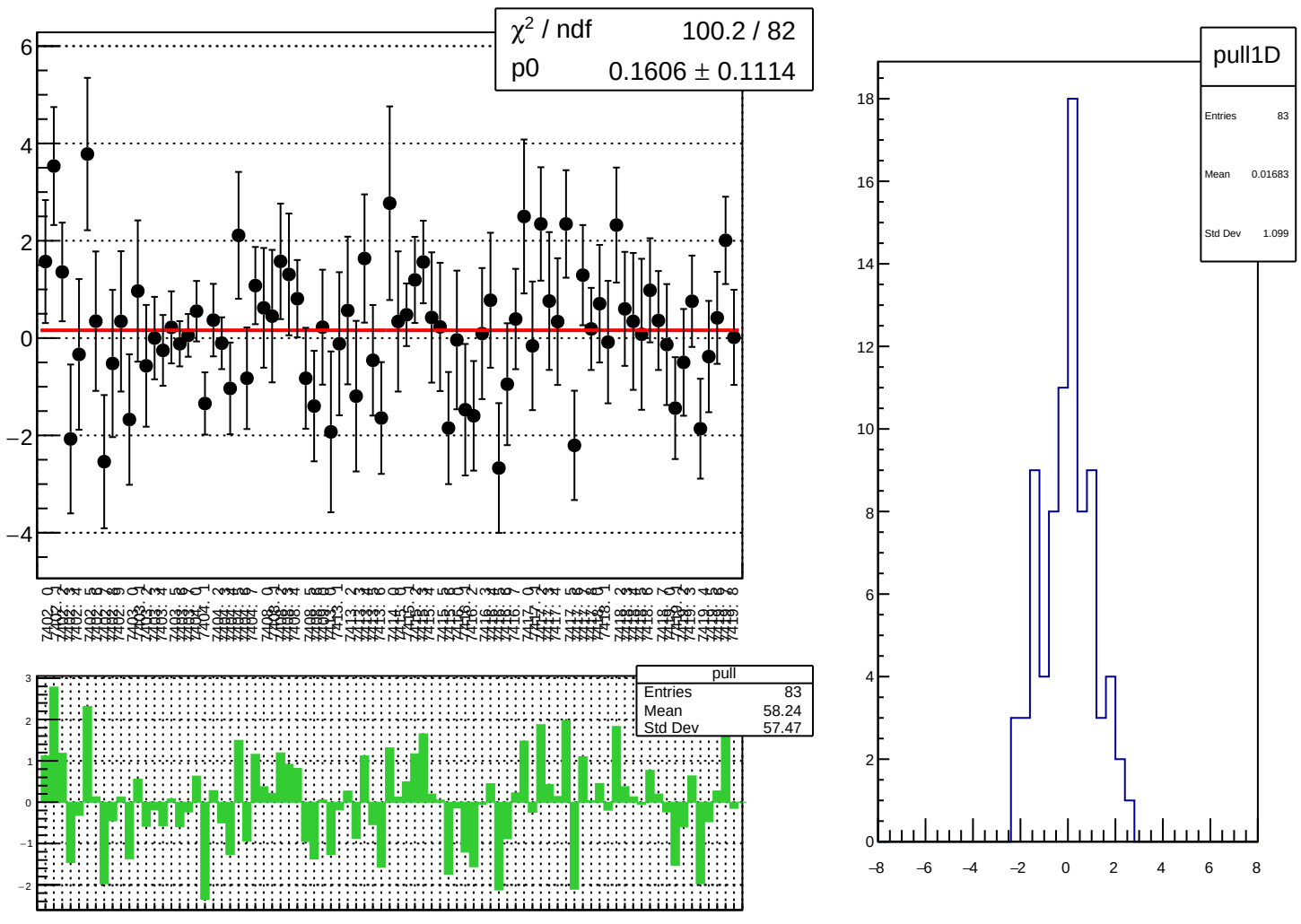

pull1D
Entries 83
Mean 0.004917
Std Dev 0.9953

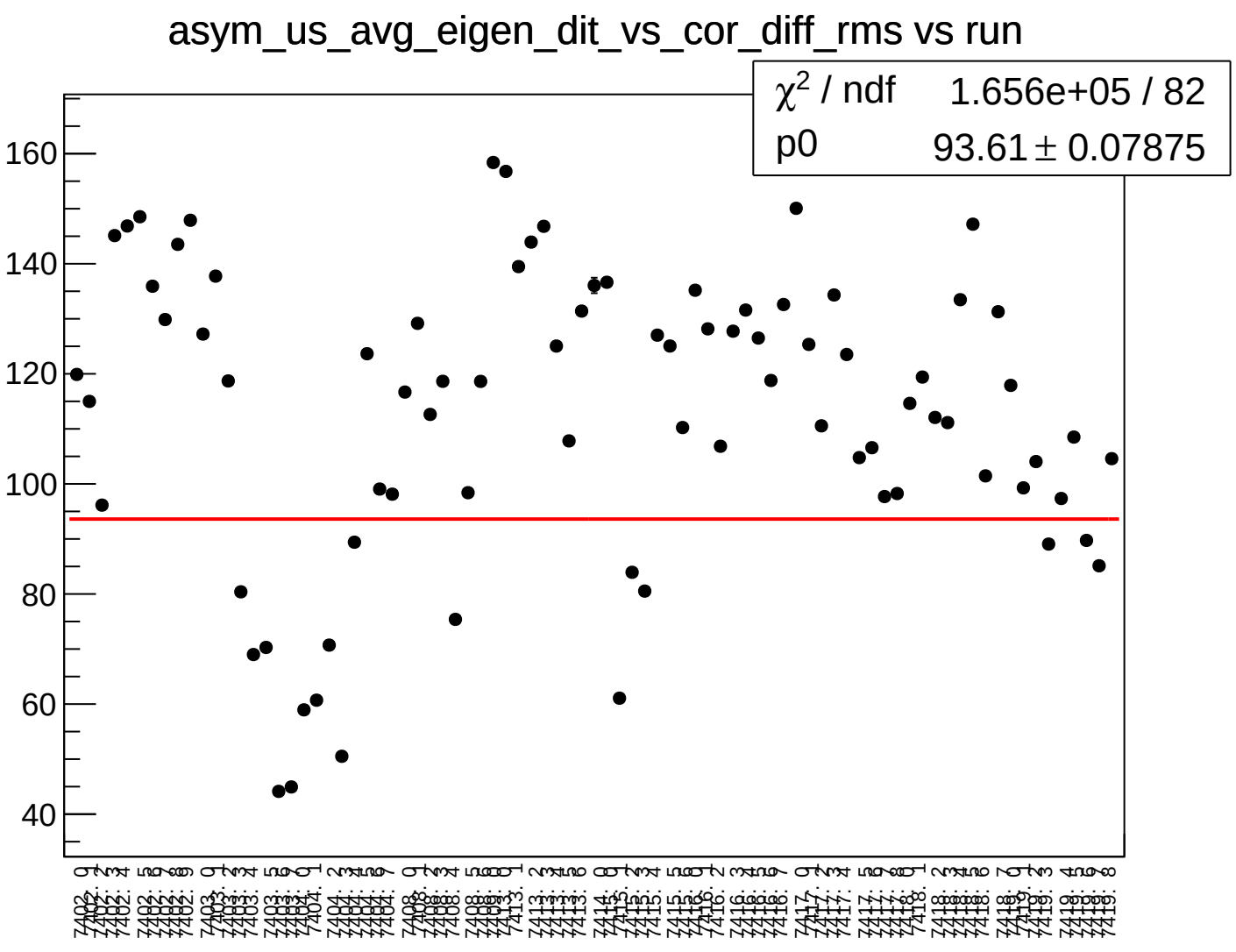

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.053e+05 / 82
p0 117.3 ± 0.09664
180
160
140
120
100
80
60

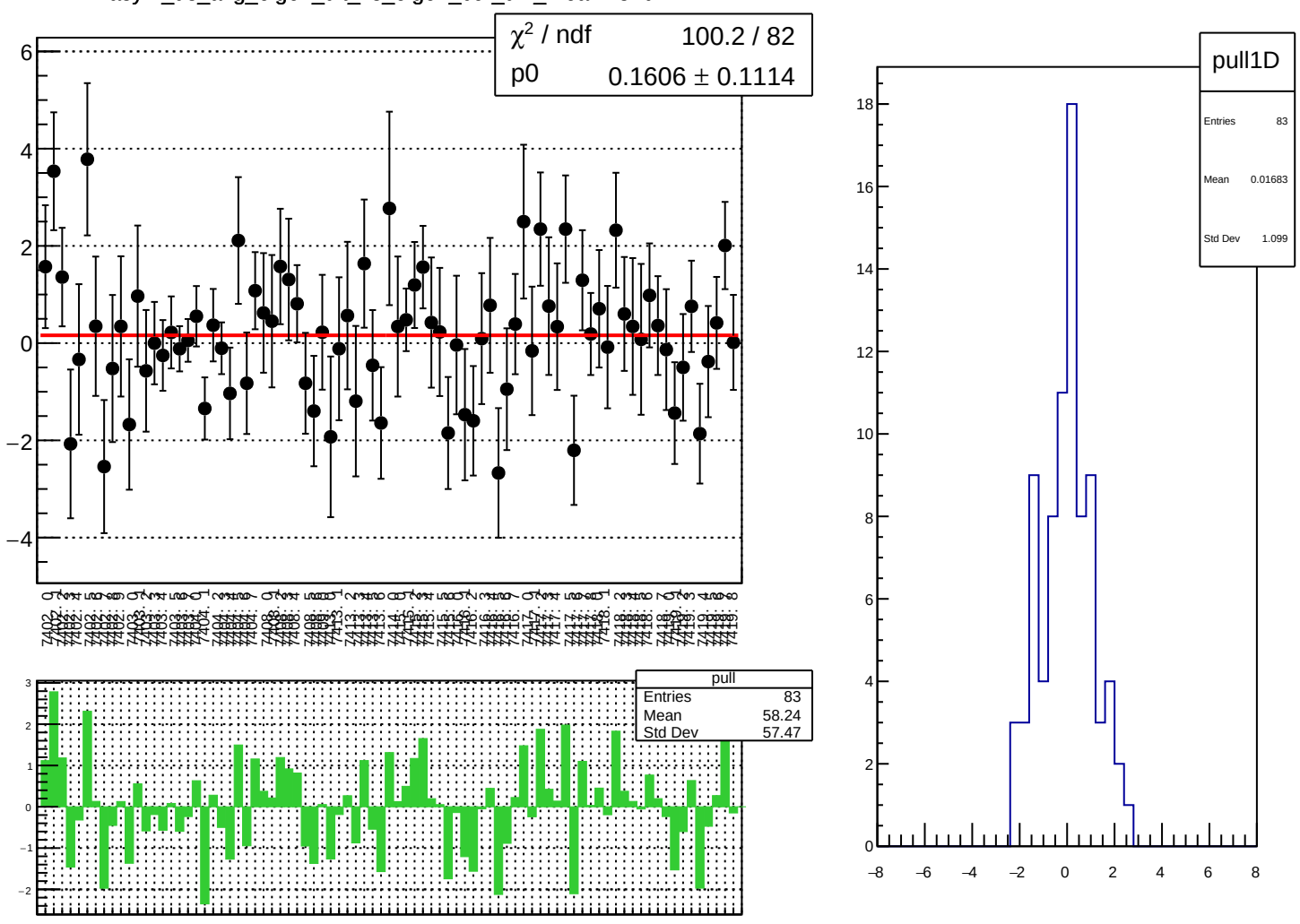

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.61 / 82
p0 −1.818e−06 ± 3.992e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 500
Std Dev 0
3
2
1
0
−1
−2
−3

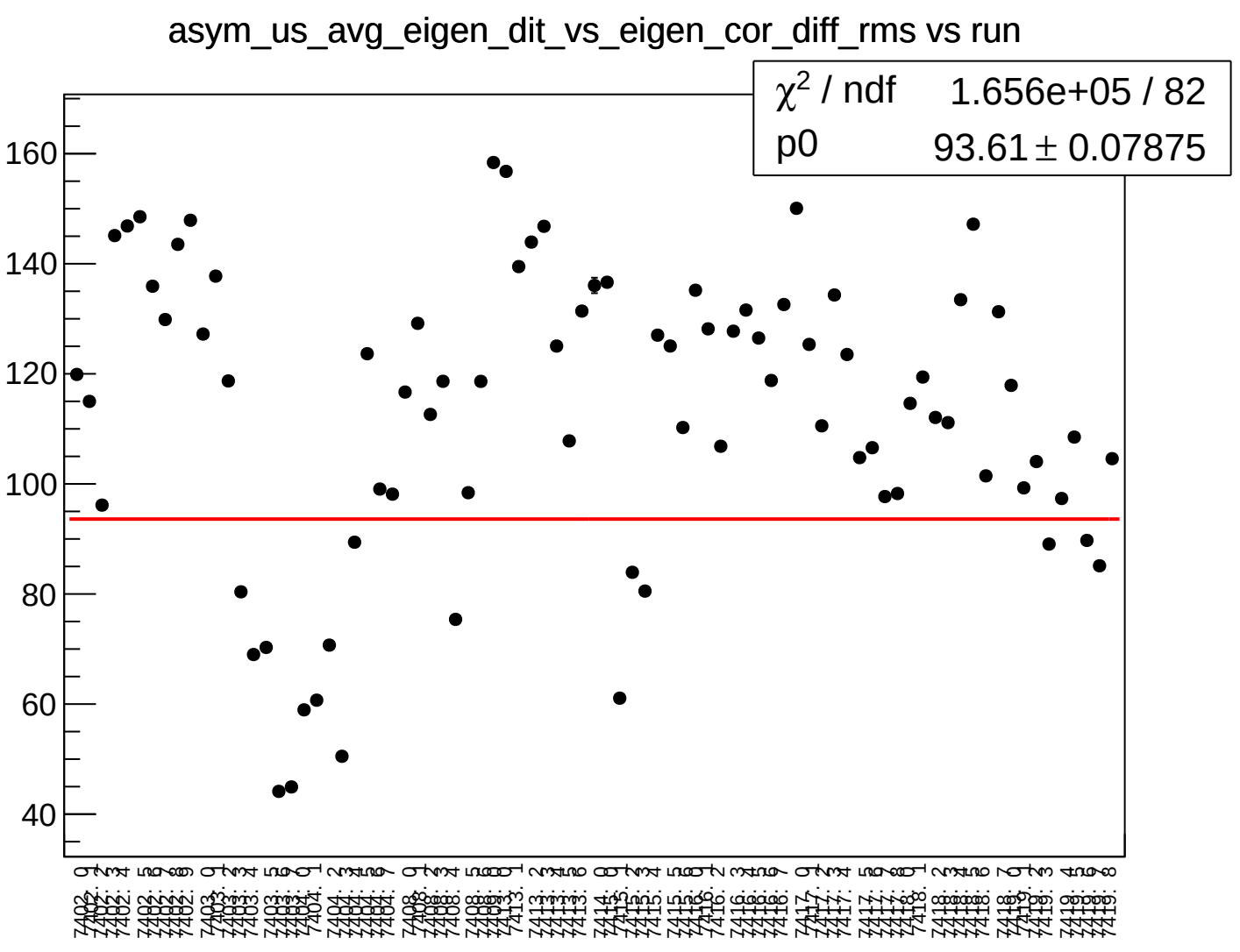

pull1D
Entries 83
Mean −0.006359
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

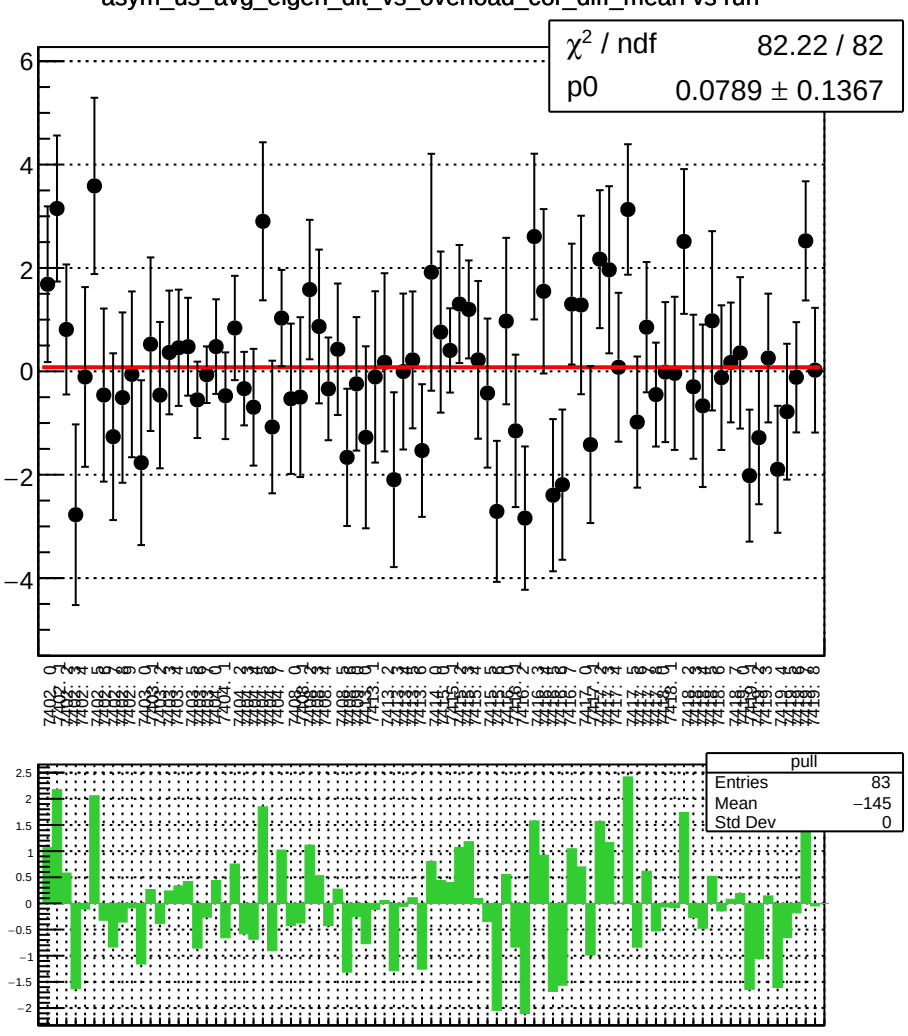

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.375e+04 / 82
p0 0.003531 ± 2.823e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

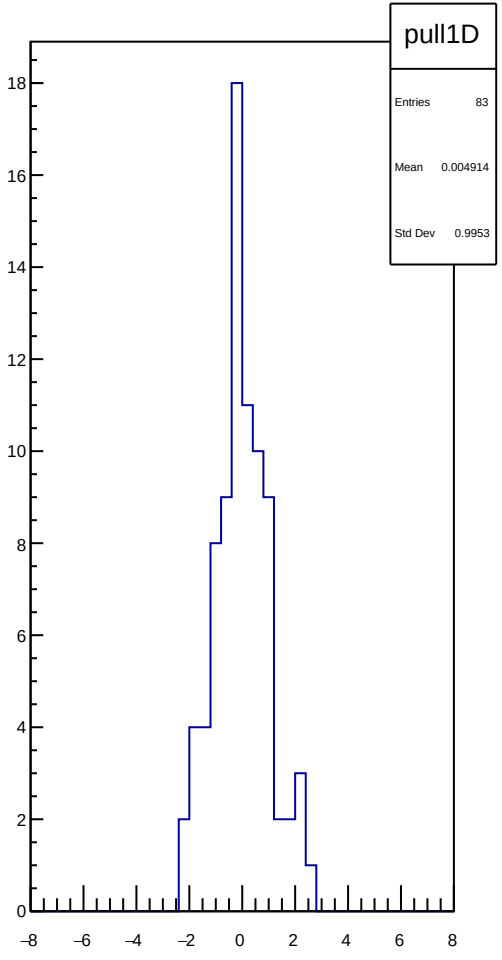

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.1606 ± 0.1114
pull
Entries 83
Mean 58.24
Std Dev 57.47
pull1D
Entries 83
Mean 0.01683
Std Dev 1.099

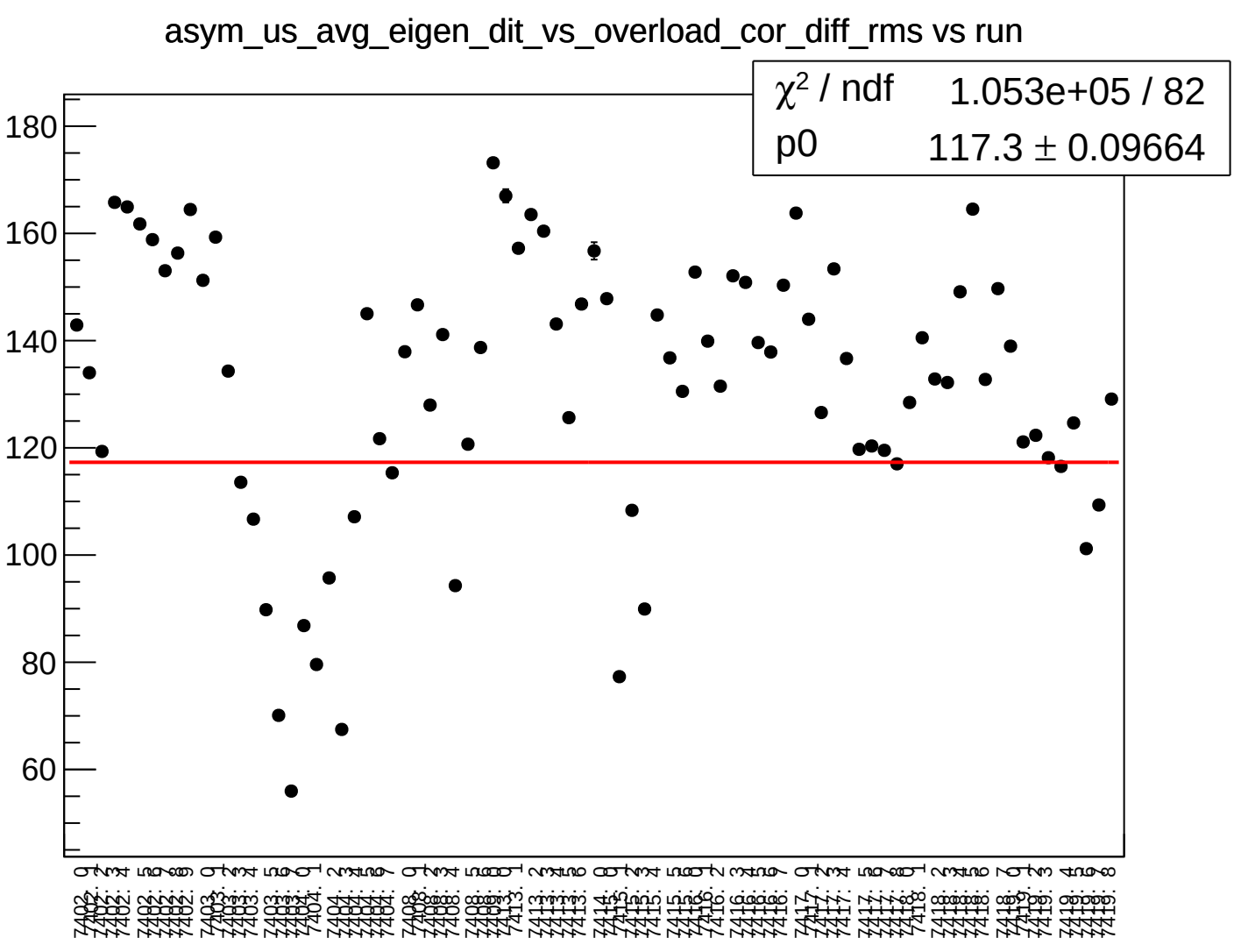

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.656e+05 / 82
p0 93.61 ± 0.07875
160
140
120
100
80
60
40

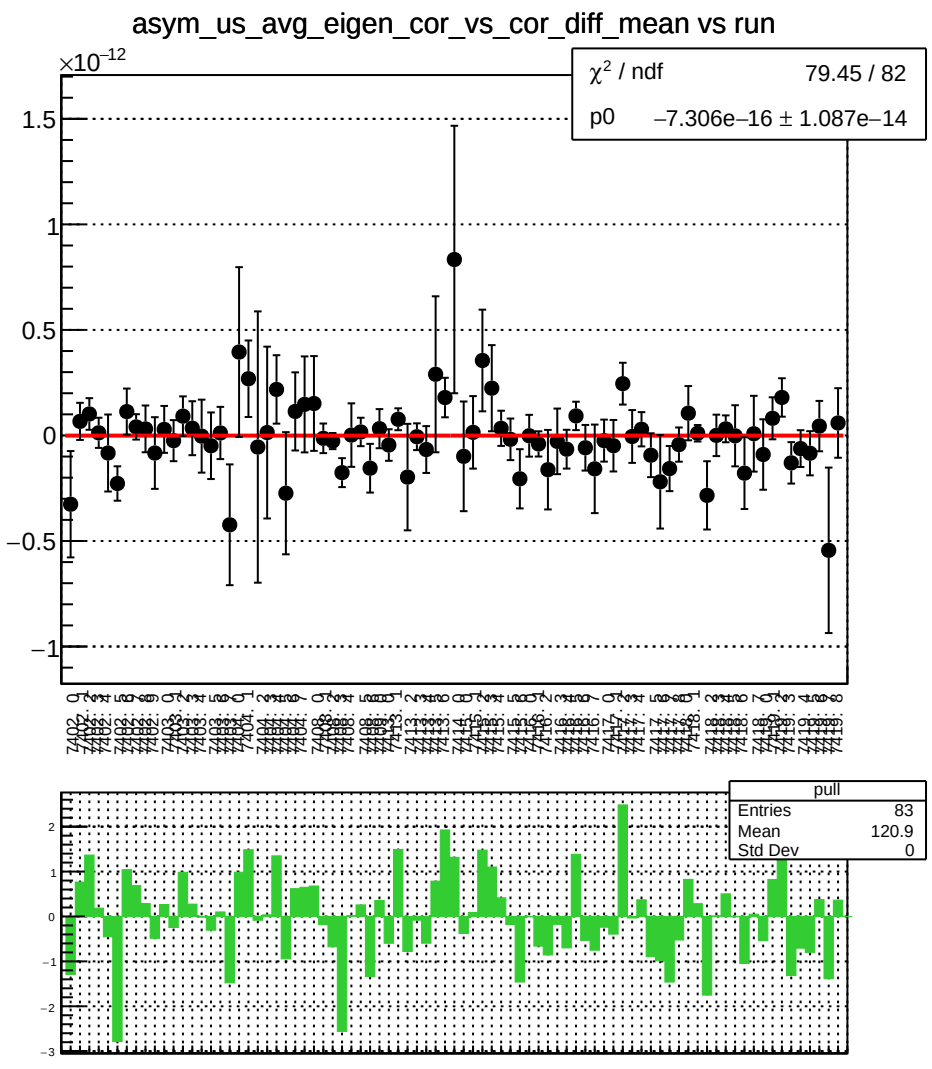

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.1606 ± 0.1114
pull
Entries 83
Mean 58.24
Std Dev 57.47
pull1D
Entries 83
Mean 0.01683
Std Dev 1.099

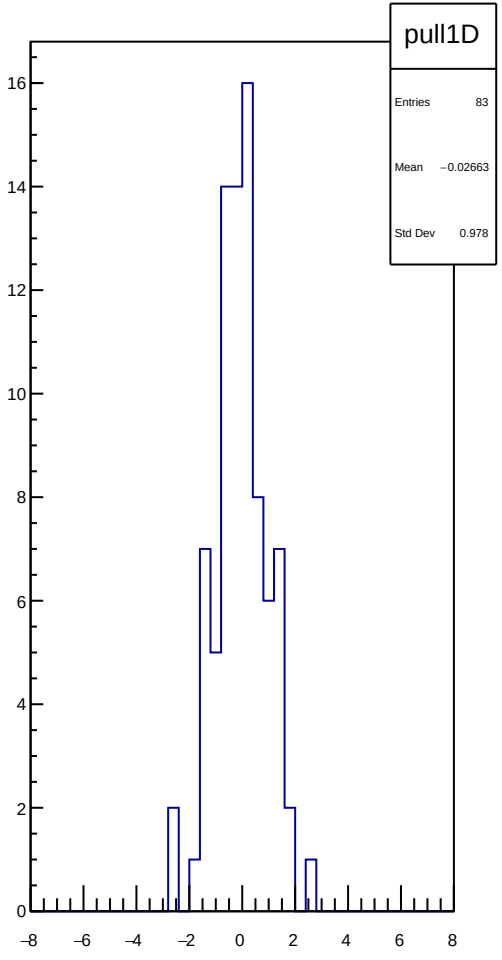

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.656e+05 / 82
p0 93.61 ± 0.07875
160
140
120
100
80
60
40

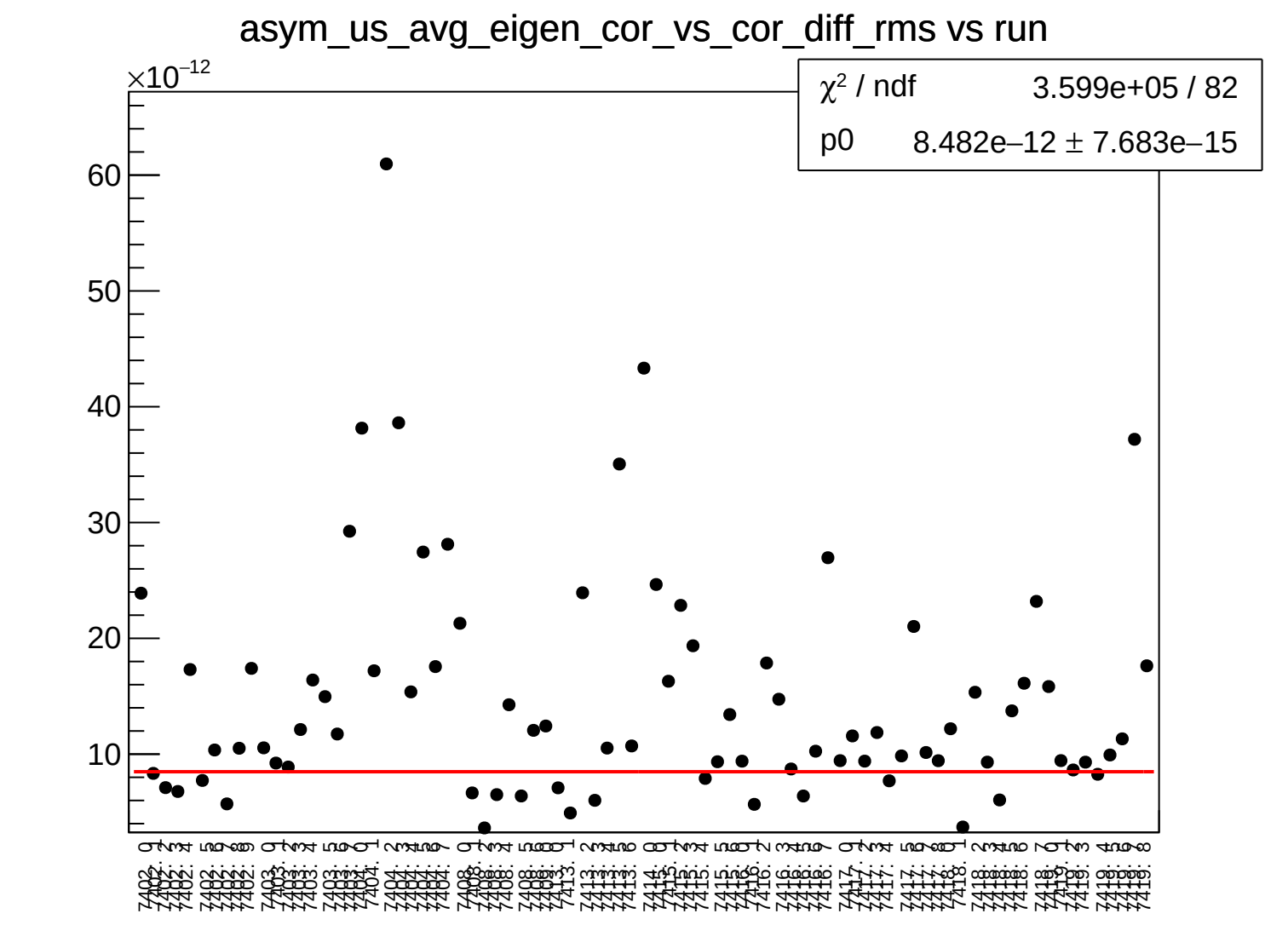

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 82.22 / 82
p0 0.0789 ± 0.1367
pull
Entries 83
Mean −145
Std Dev 0

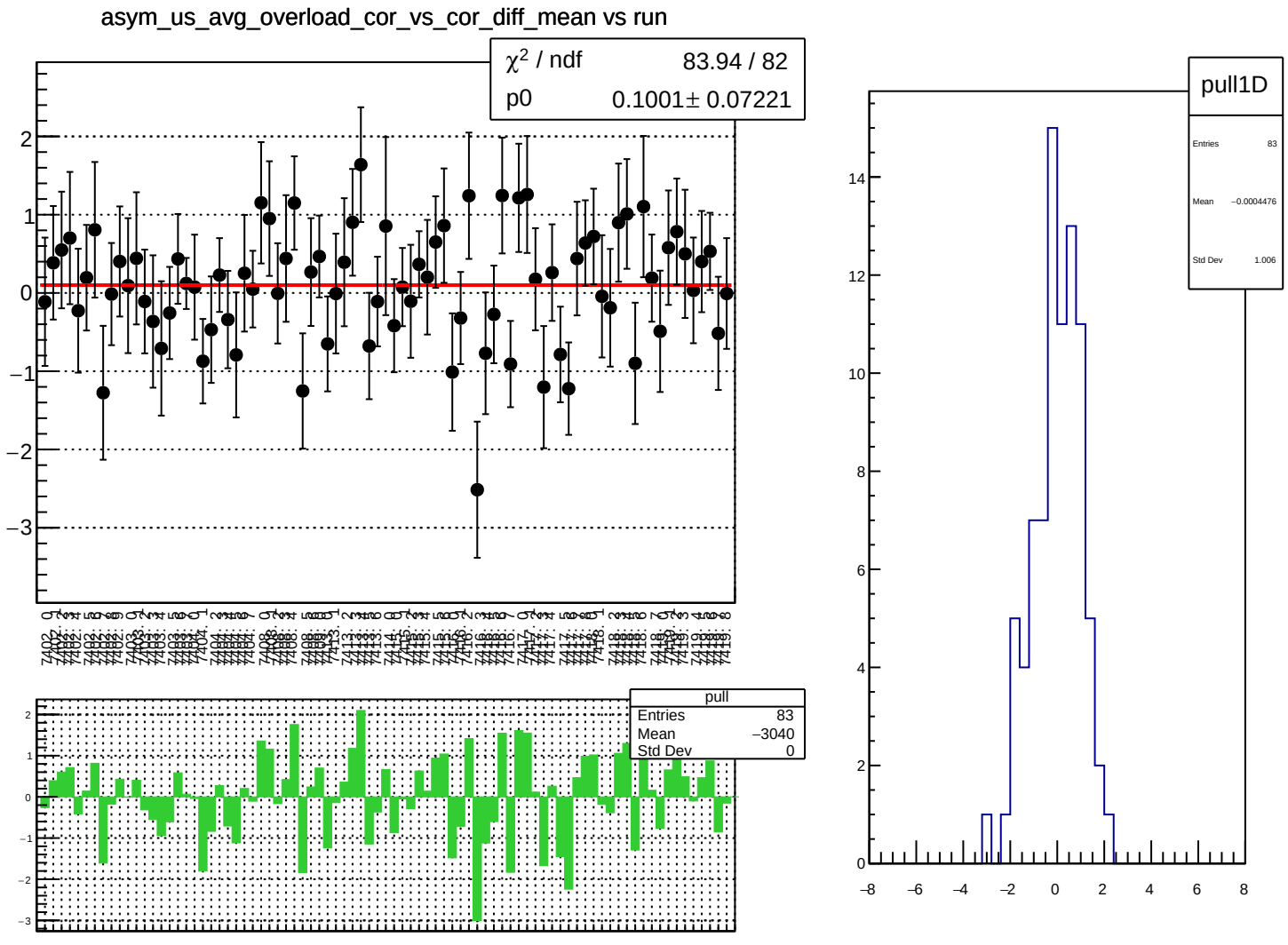

pull1D
Entries 83
Mean 0.004914
Std Dev 0.9953

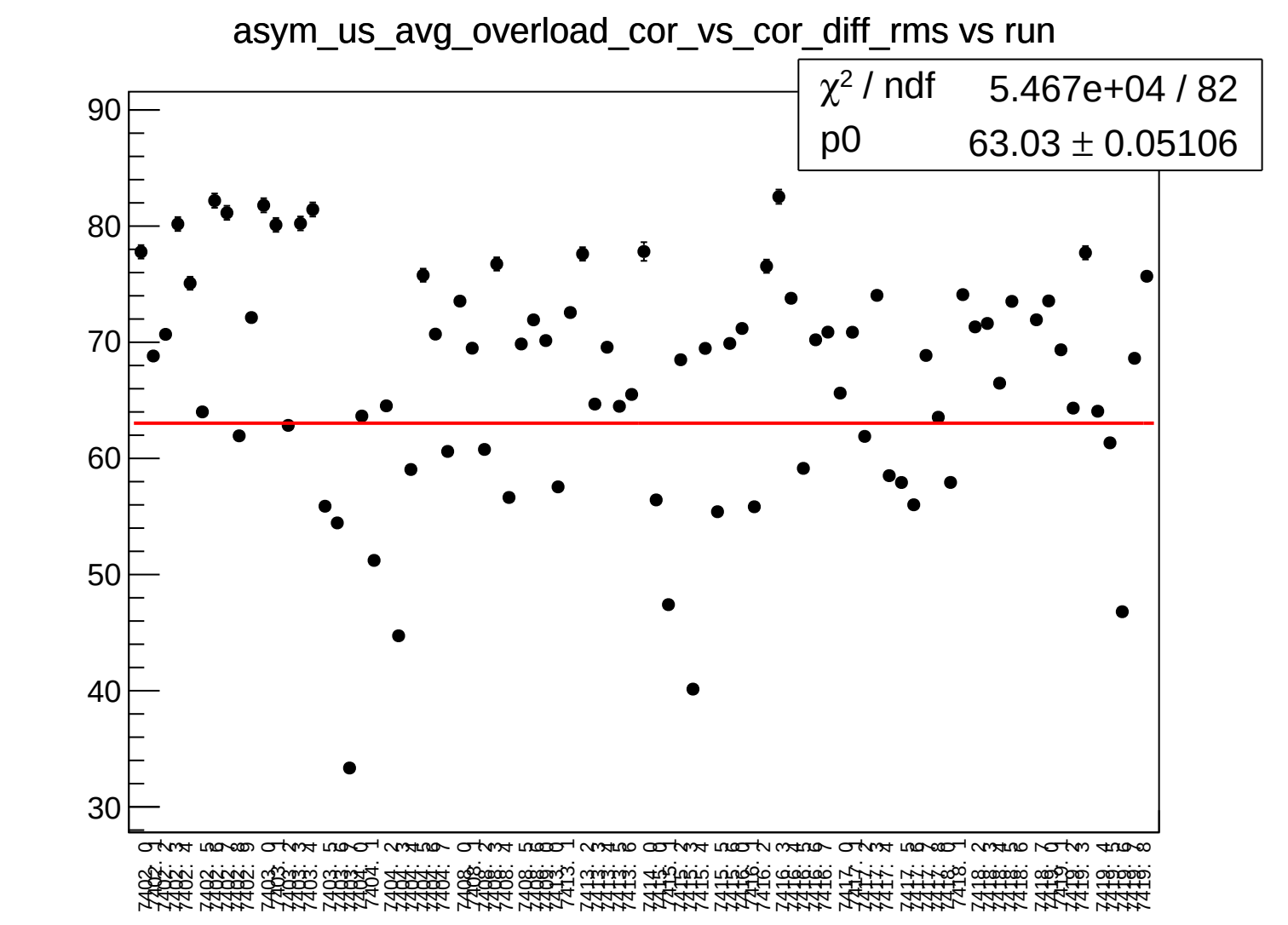

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.053e+05 / 82
p0 117.3 ± 0.09664
180
160
140
120
100
80
60

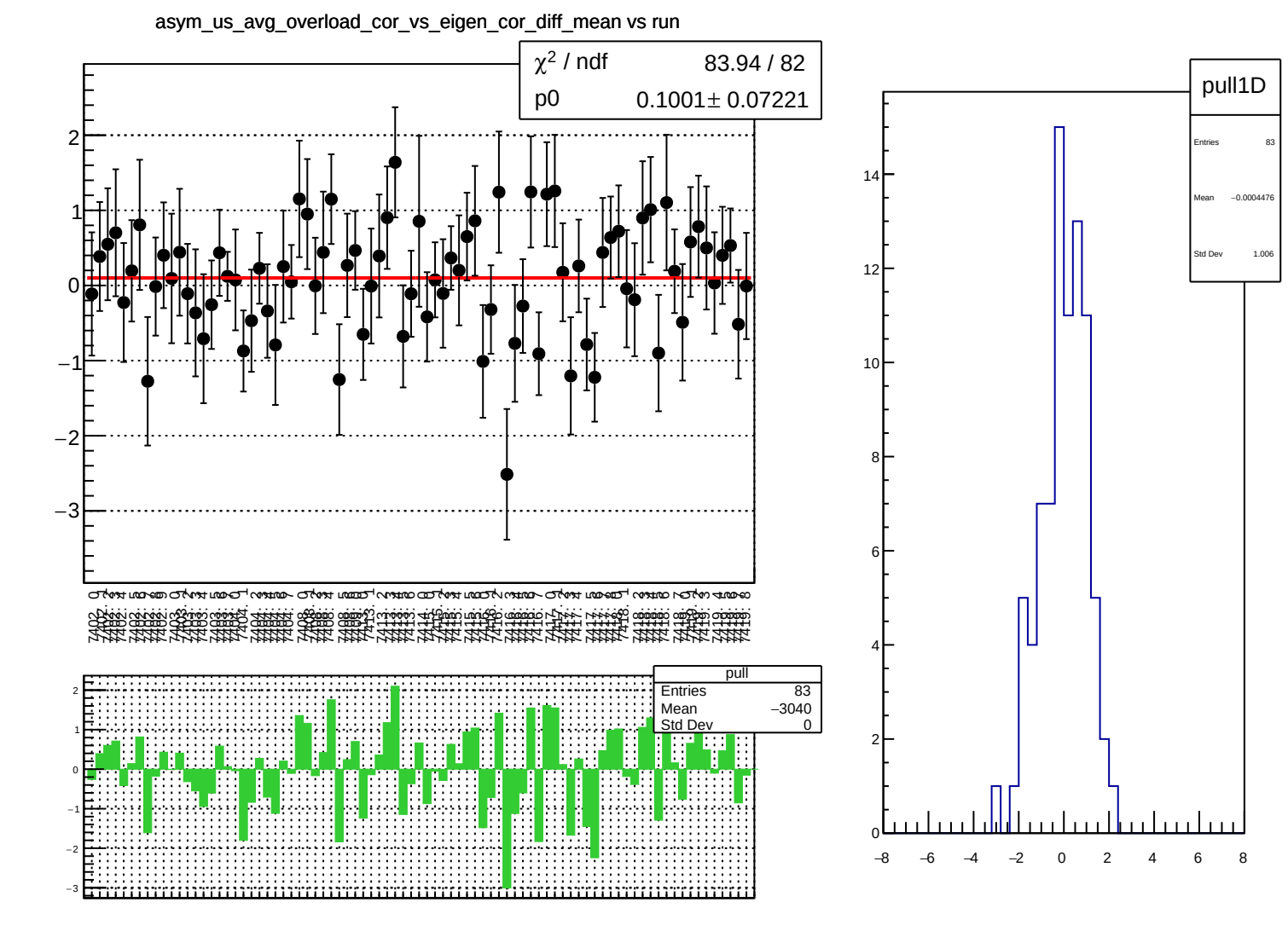

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.45 / 82
p0 −7.306e−16 ± 1.087e−14
pull
Entries 83
Mean 120.9
Std Dev 0

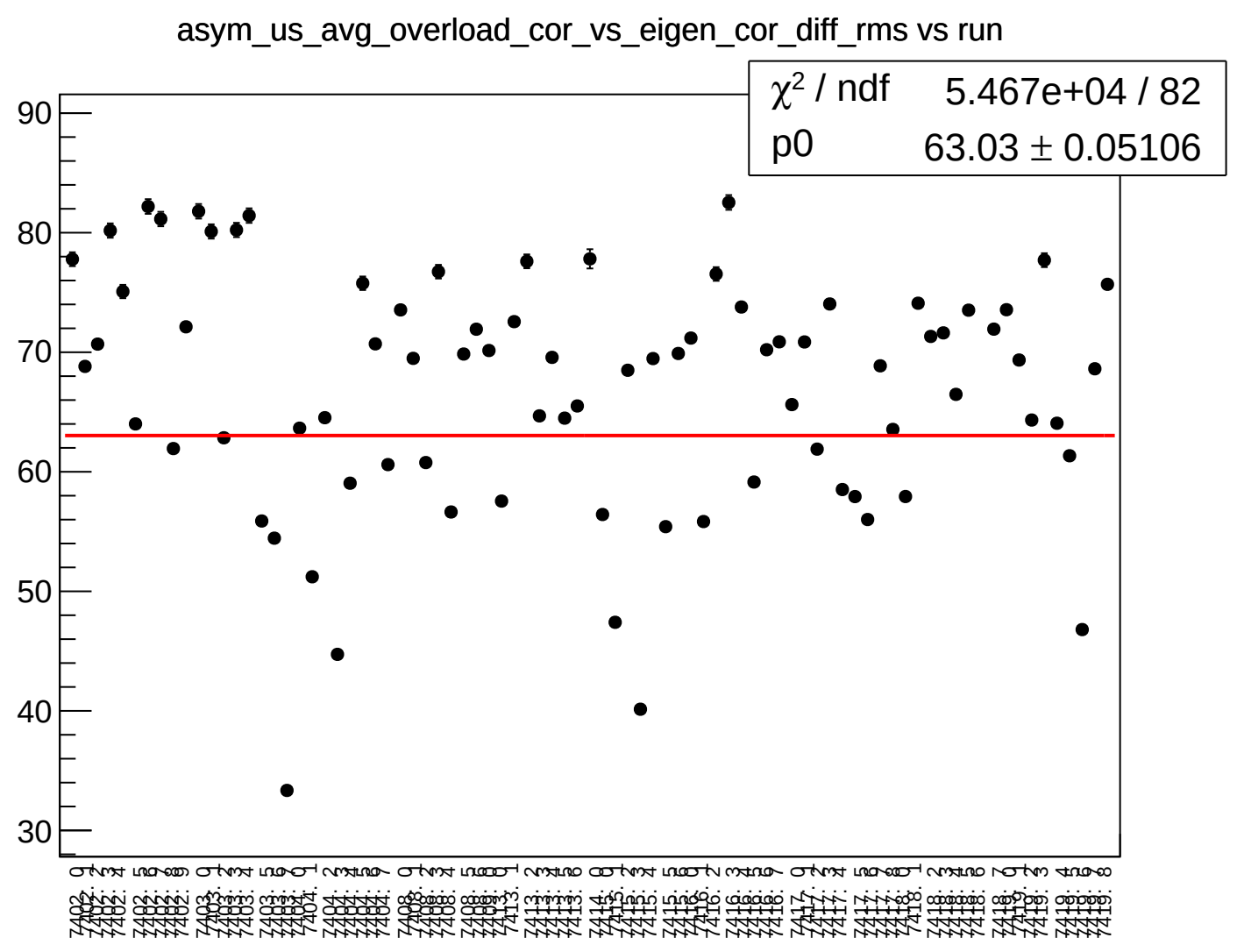

pull1D
Entries 83
Mean −0.02663
Std Dev 0.978

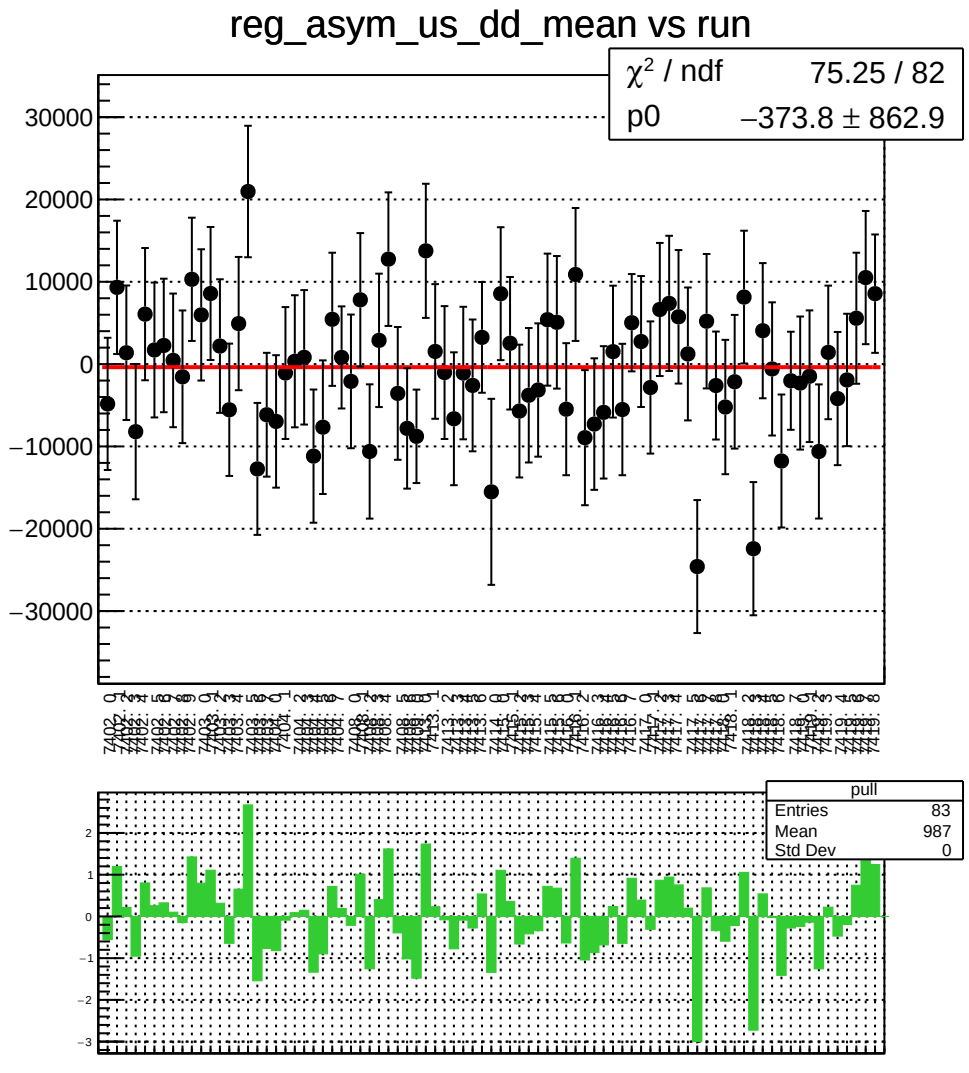

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.599e+05 / 82
p0 8.482e−12 ± 7.683e−15
60
50
40
30
20
10

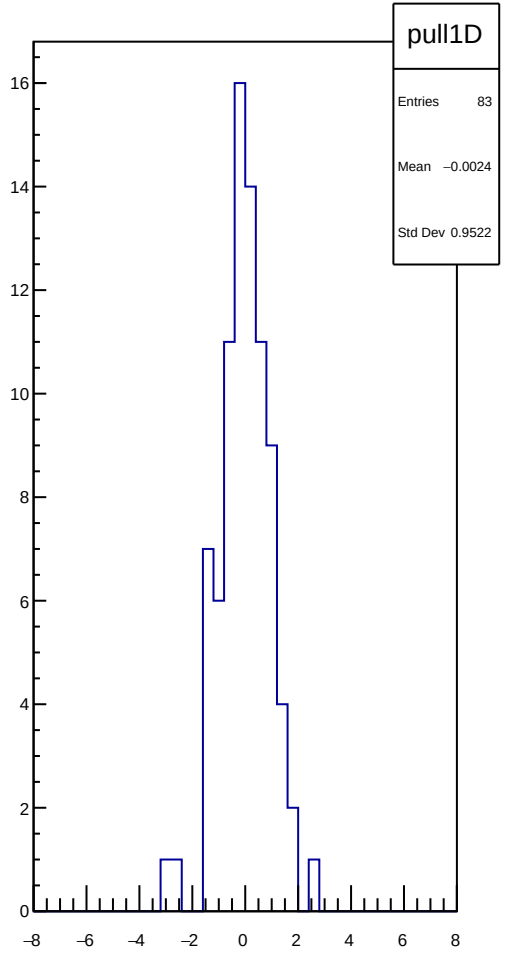

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 83.94 / 82
p0 0.1001± 0.07221
pull
Entries 83
Mean −3040
Std Dev 0
pull1D
Entries 83
Mean −0.0004476
Std Dev 1.006

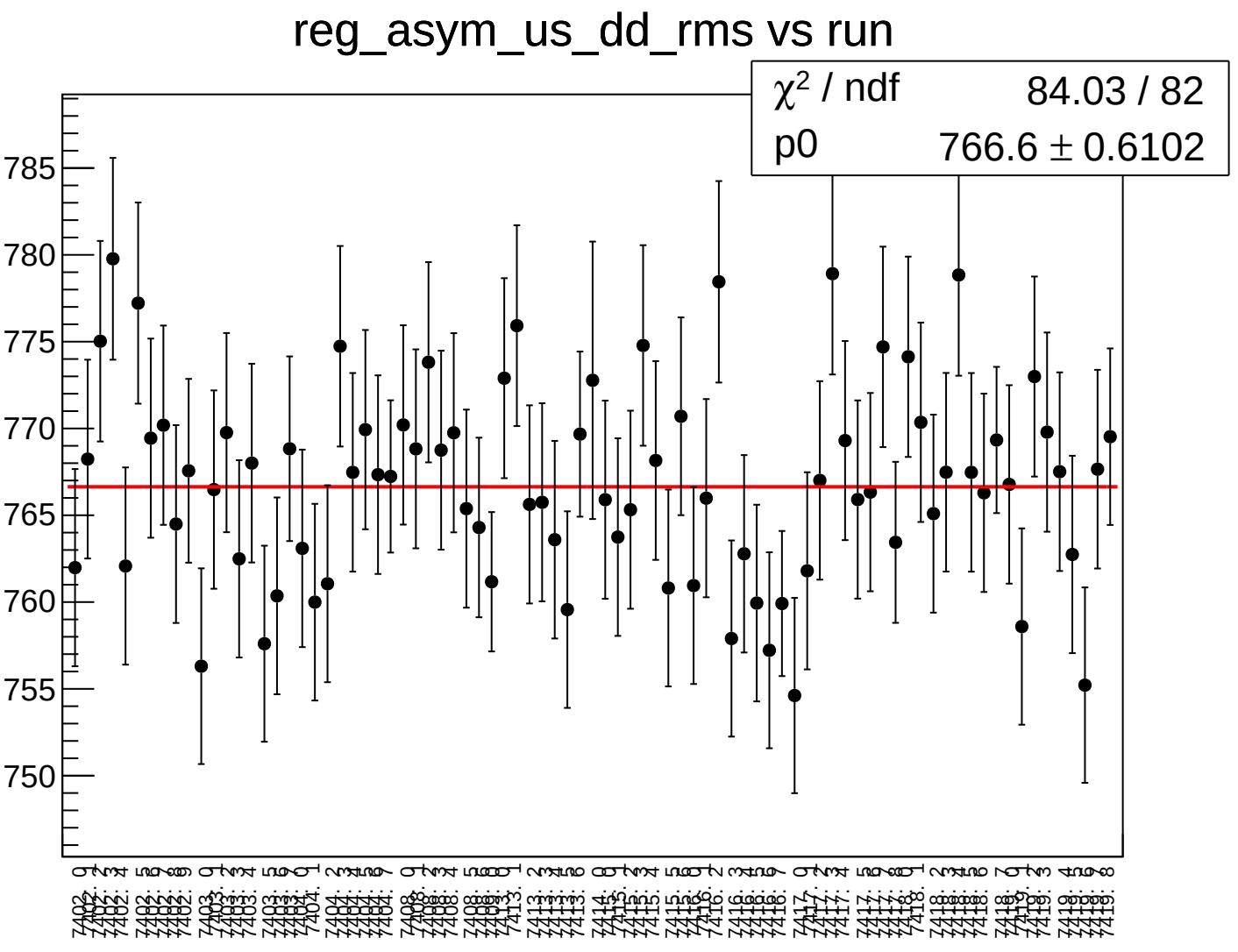

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.467e+04 / 82
p0 63.03 ± 0.05106
90
80
70
60
50
40
30

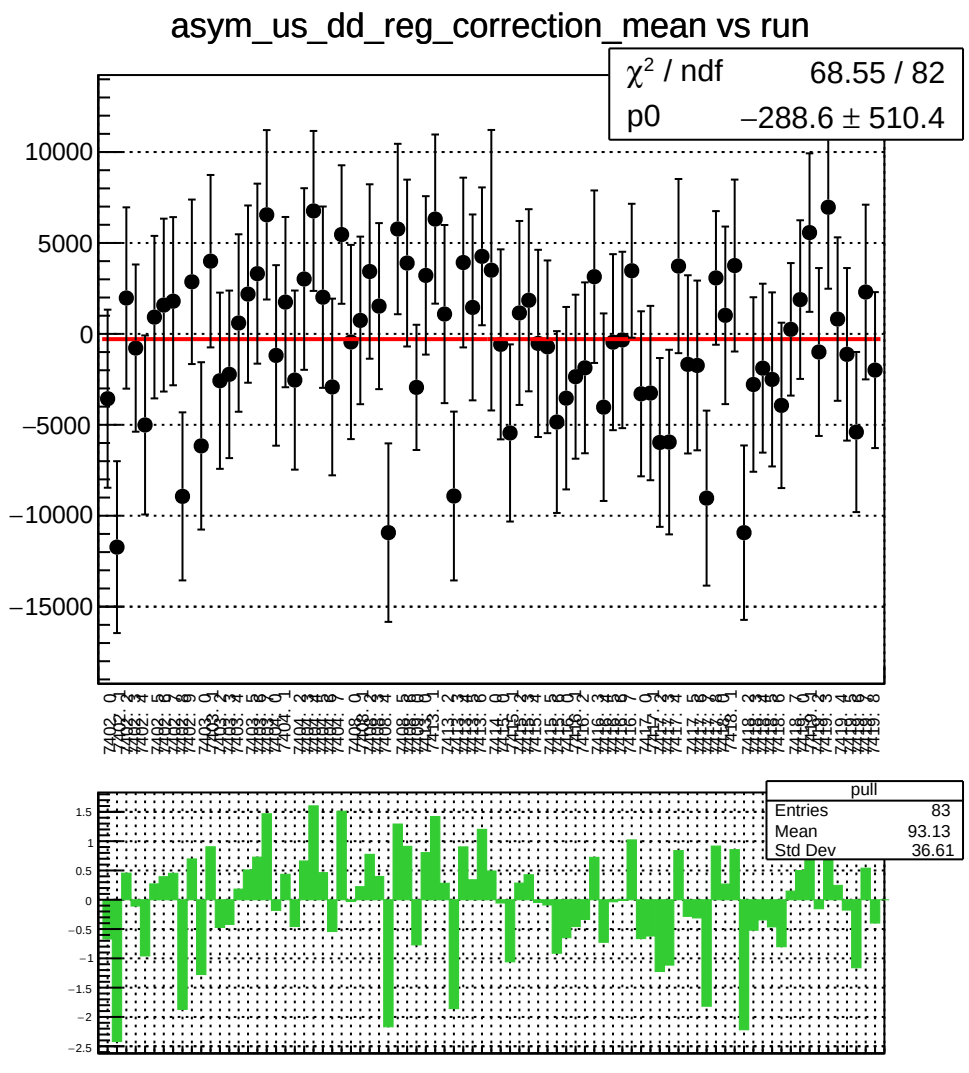

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.94 / 82
p0 0.1001± 0.07221
pull
Entries 83
Mean −3040
Std Dev 0
pull1D
Entries 83
Mean −0.0004476
Std Dev 1.006

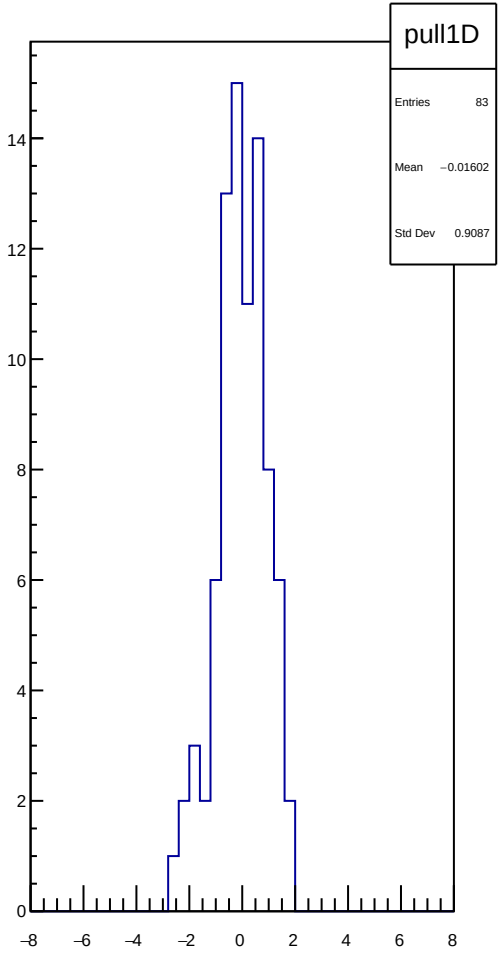

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.467e+04 / 82
p0 63.03 ± 0.05106
90
80
70
60
50
40
30

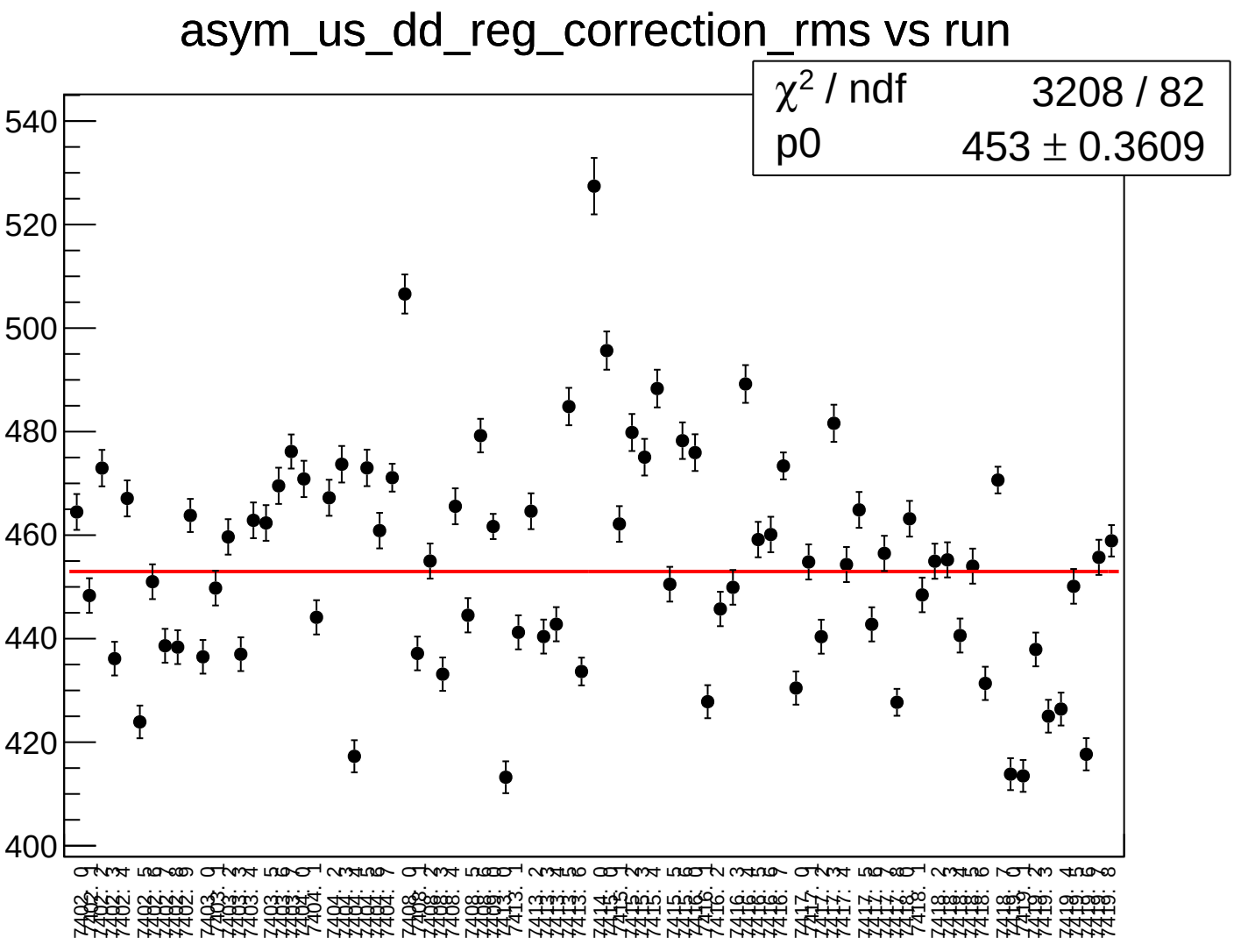

reg_asym_us_dd_mean vs run
χ² / ndf 75.25 / 82
p0 −373.8 ± 862.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 987
Std Dev 0
2
1
0
−1
−2
−3

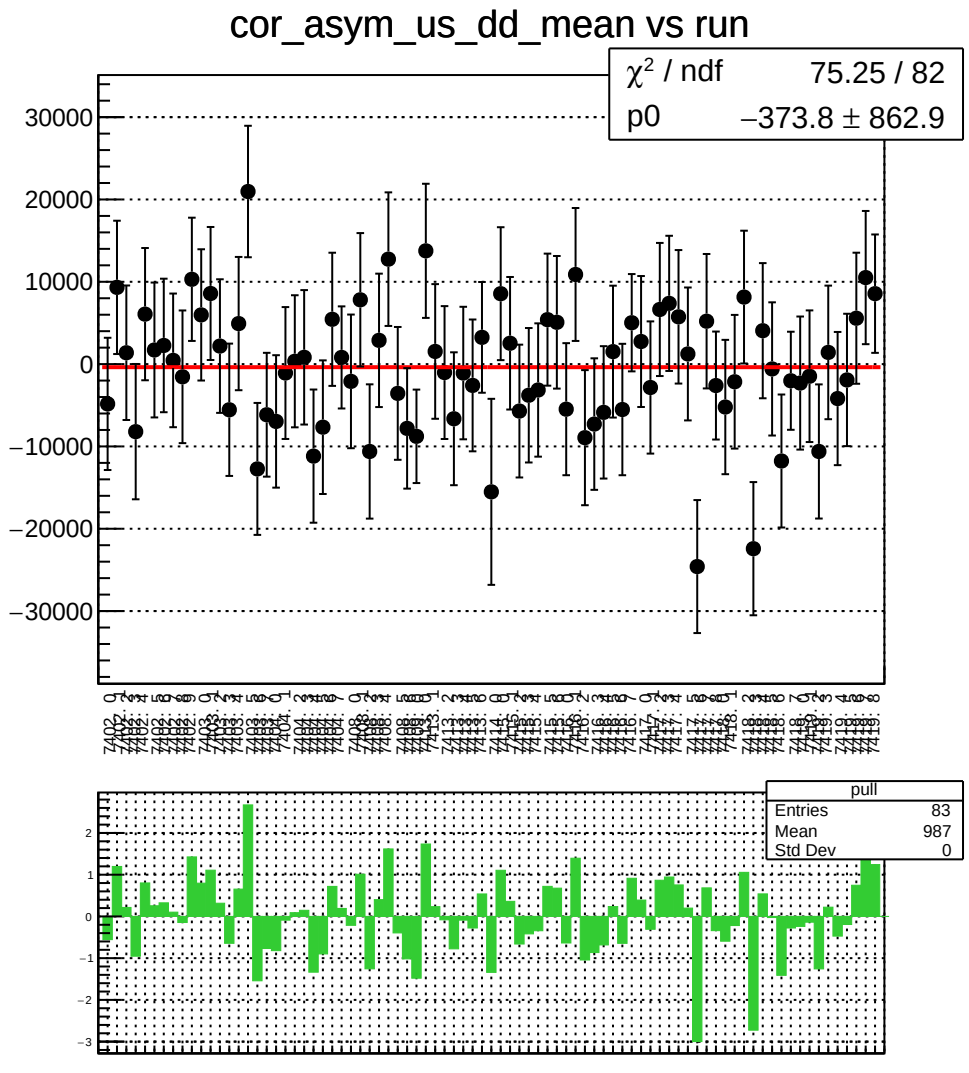

pull1D
Entries 83
Mean −0.0024
Std Dev 0.9522
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

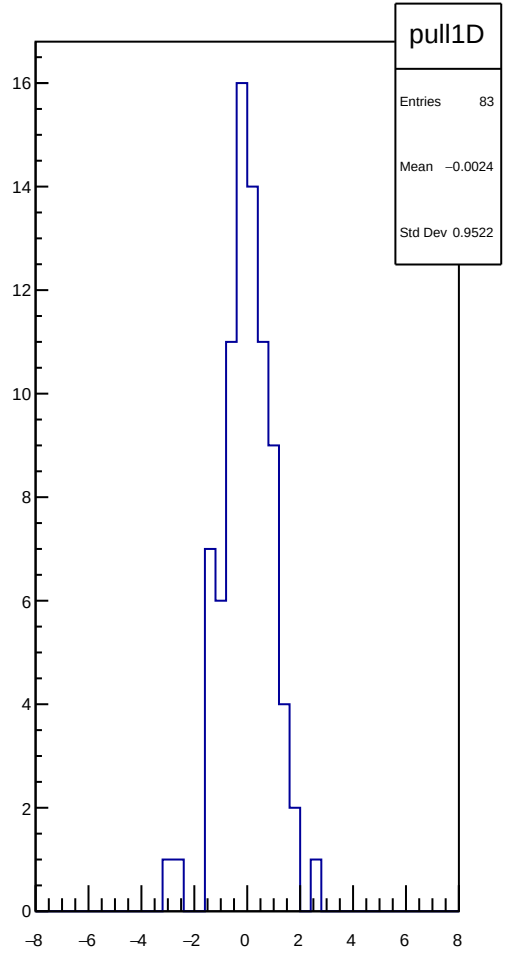

reg_asym_us_dd_rms vs run
χ² / ndf 84.03 / 82
p0 766.6 ± 0.6102
785
780
775
770
765
760
755
750

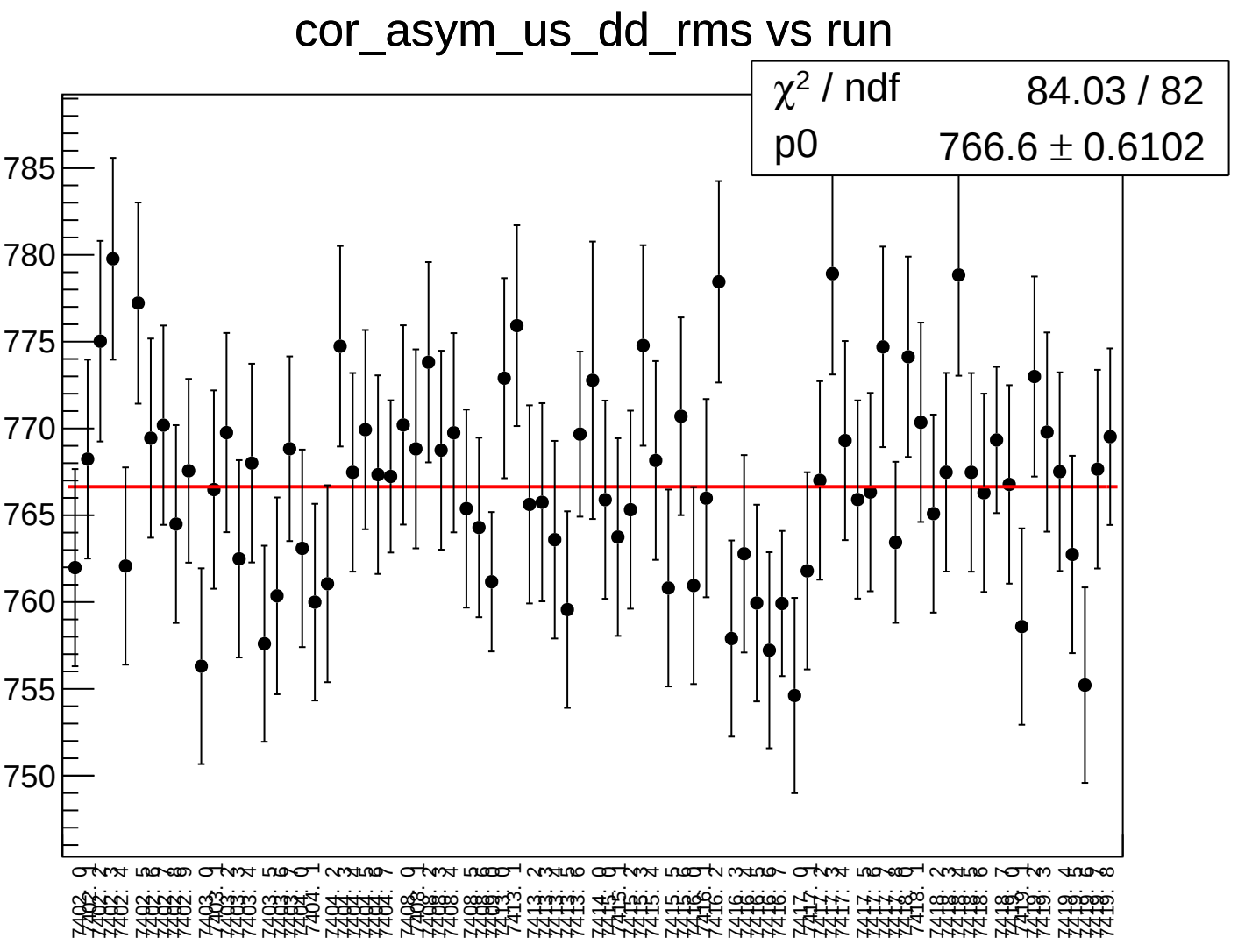

asym_us_dd_reg_correction_mean vs run
χ² / ndf 68.55 / 82
p0 −288.6 ± 510.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 93.13
Std Dev 36.61
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

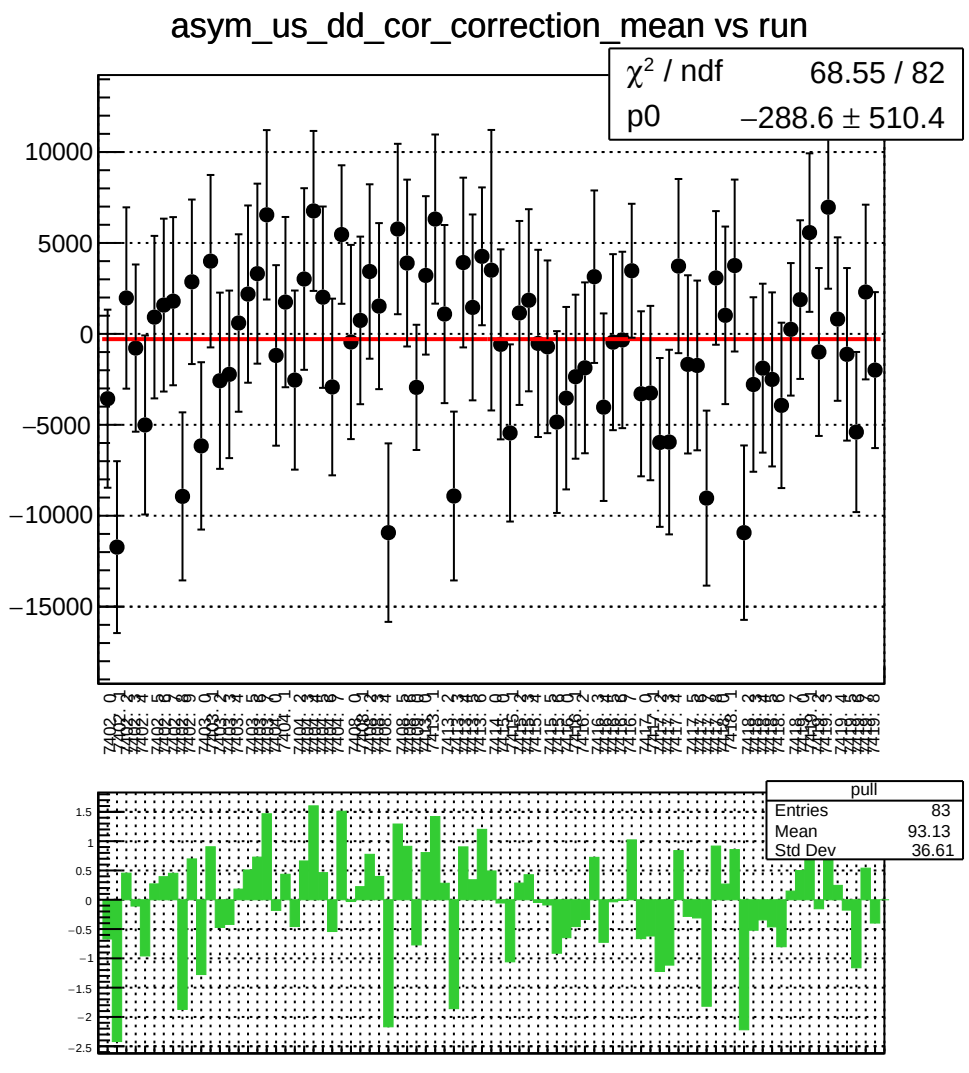

pull1D
Entries 83
Mean −0.01602
Std Dev 0.9087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

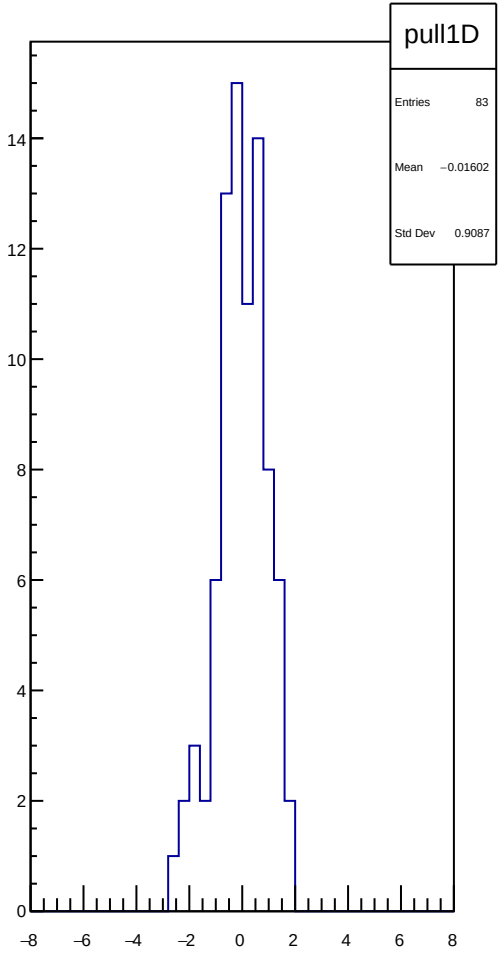

asym_us_dd_reg_correction_rms vs run
χ² / ndf 3208 / 82
p0 453 ± 0.3609
540
520
500
480
460
440
420
400

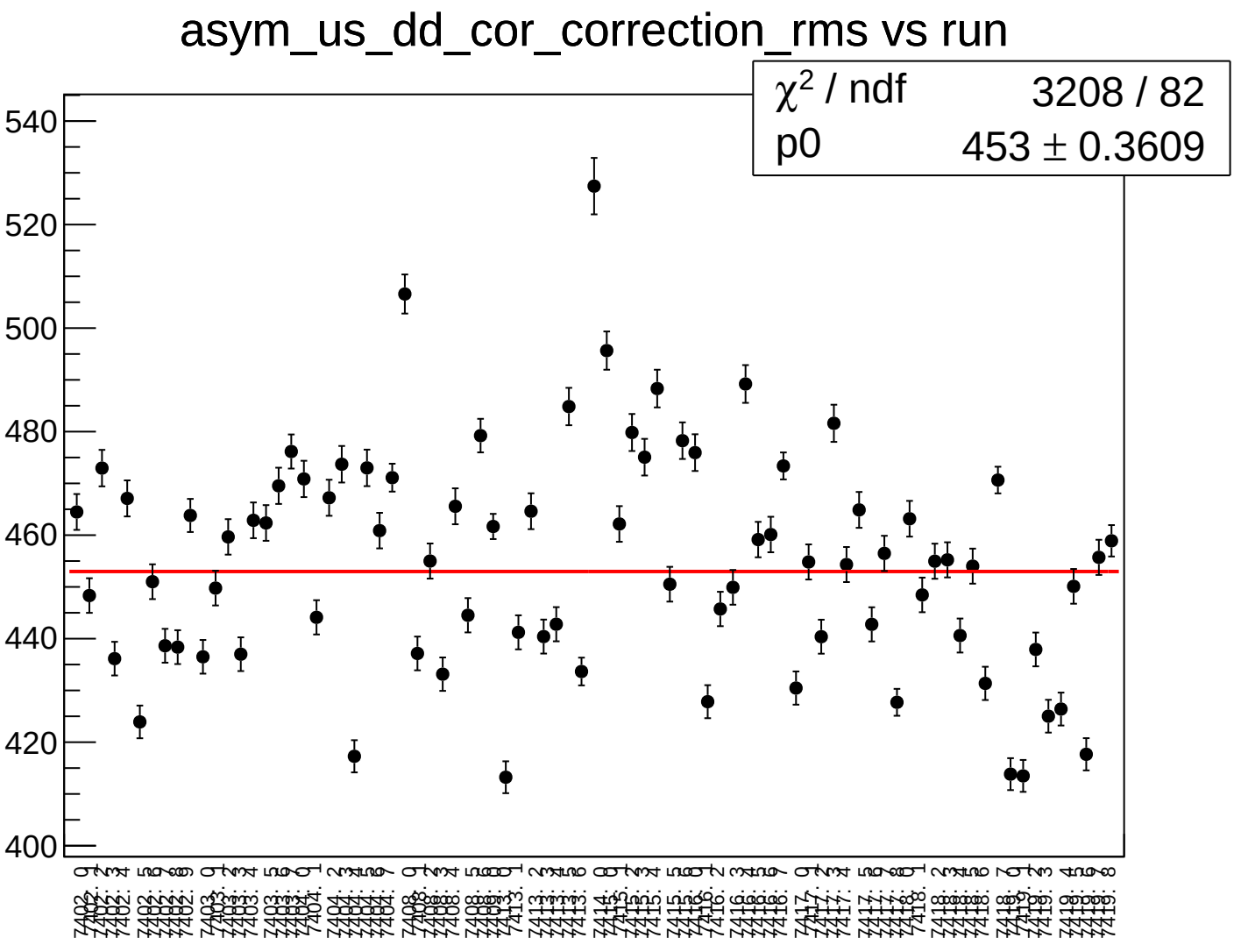

cor_asym_us_dd_mean vs run
χ^2 / ndf 75.25 / 82
p0 −373.8 ± 862.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 987
Std Dev 0
2
1
0
−1
−2
−3

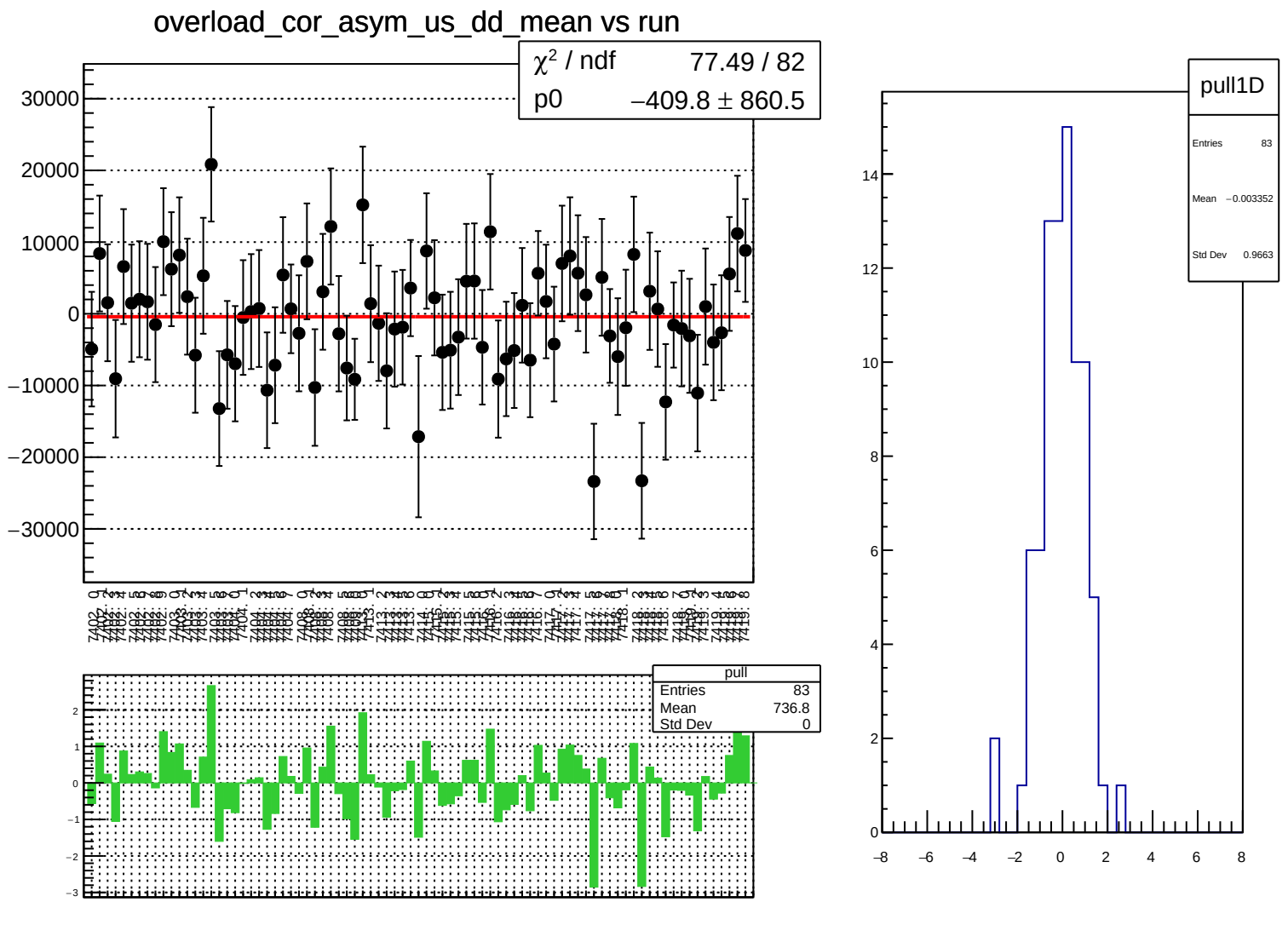

pull1D
Entries 83
Mean −0.0024
Std Dev 0.9522
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

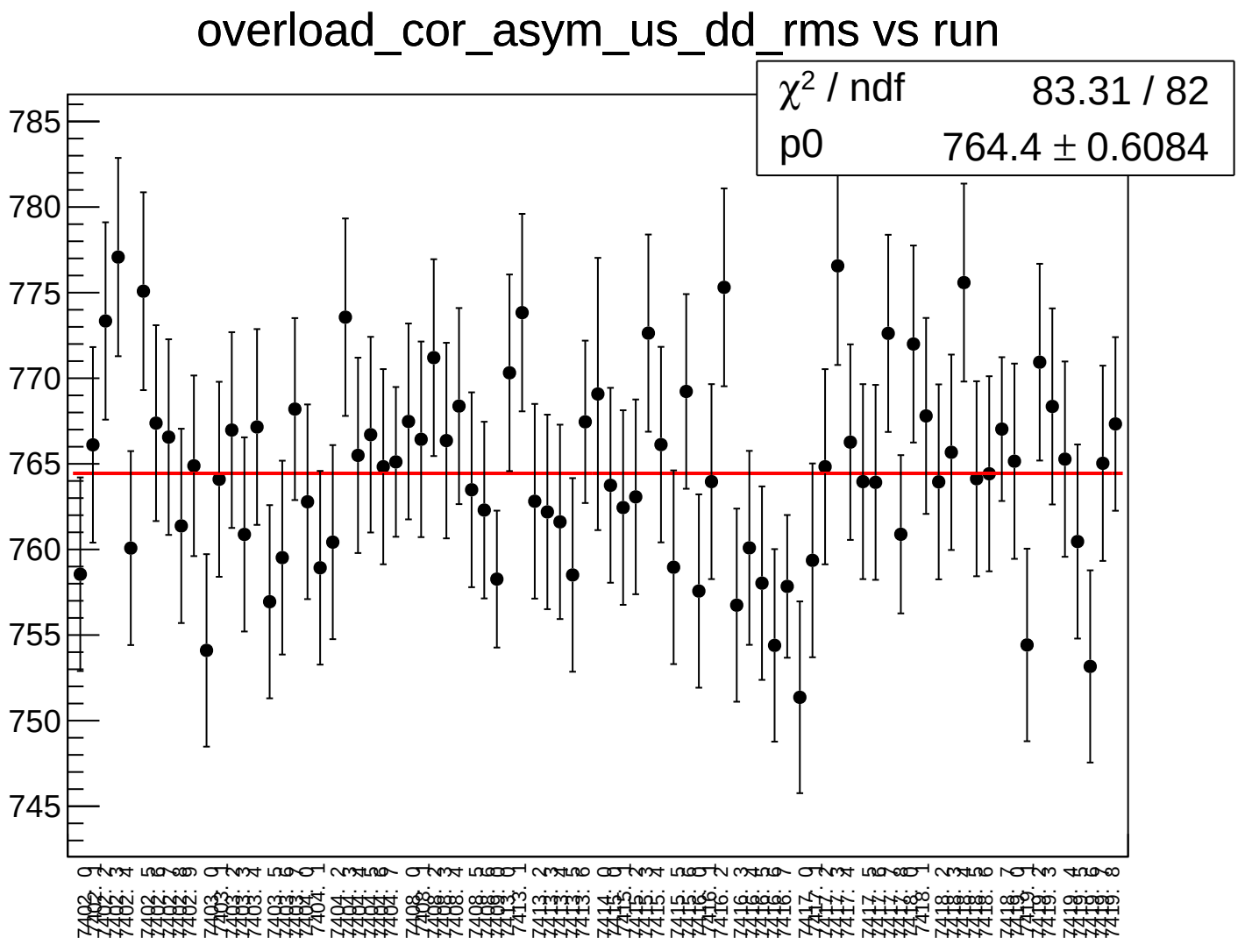

cor_asym_us_dd_rms vs run
χ² / ndf 84.03 / 82
p0 766.6 ± 0.6102
785
780
775
770
765
760
755
750

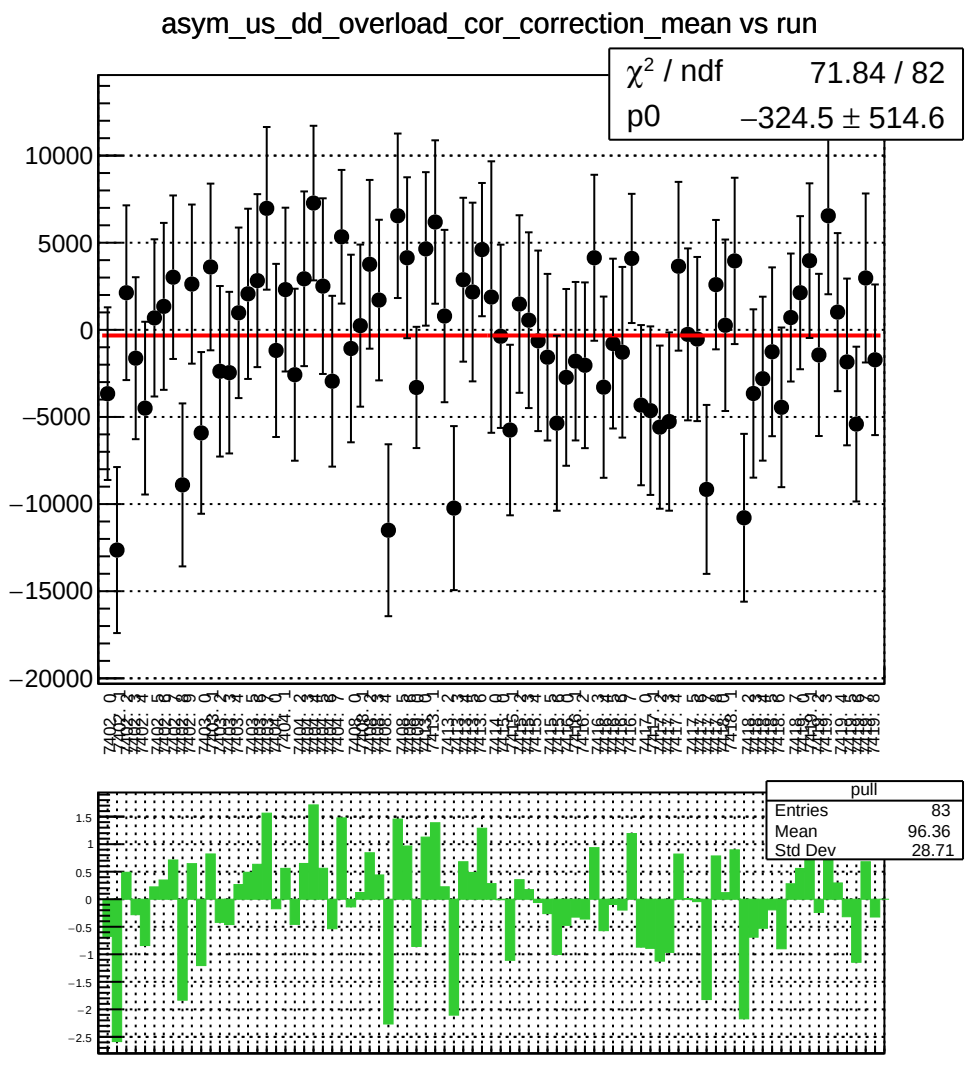

asym_us_dd_cor_correction_mean vs run
χ² / ndf 68.55 / 82
p0 −288.6 ± 510.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 93.13
Std Dev 36.61
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

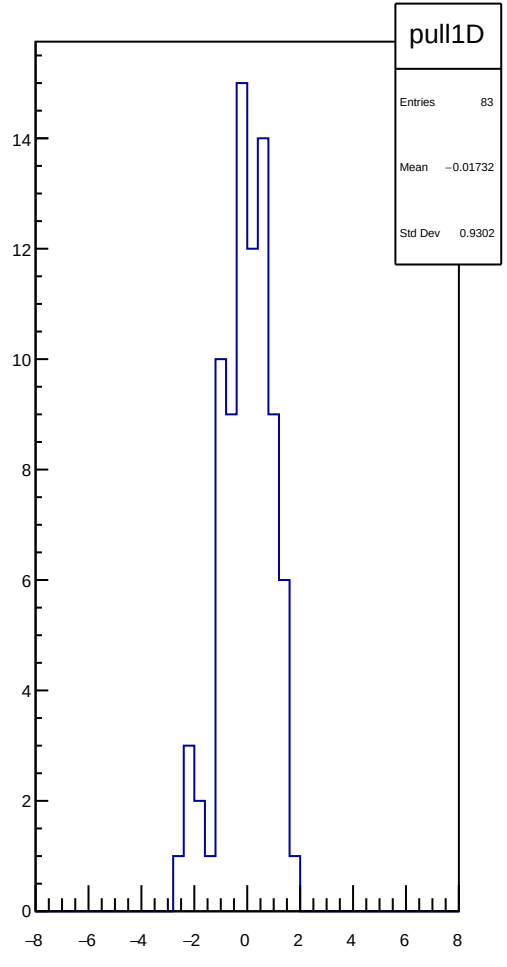

pull1D
Entries 83
Mean −0.01602
Std Dev 0.9087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_cor_correction_rms vs run
χ² / ndf 3208 / 82
p0 453 ± 0.3609
540
520
500
480
460
440
420
400


overload_cor_asym_us_dd_mean vs run
χ² / ndf 77.49 / 82
p0 −409.8 ± 860.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 736.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.003352
Std Dev 0.9663
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 83.31 / 82
p0 764.4 ± 0.6084
785
780
775
770
765
760
755
750
745


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 71.84 / 82
p0 −324.5 ± 514.6
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 96.36
Std Dev 28.71
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 83
Mean −0.01732
Std Dev 0.9302
14
12
10
8
6
4
2
0
−8
−6
−4
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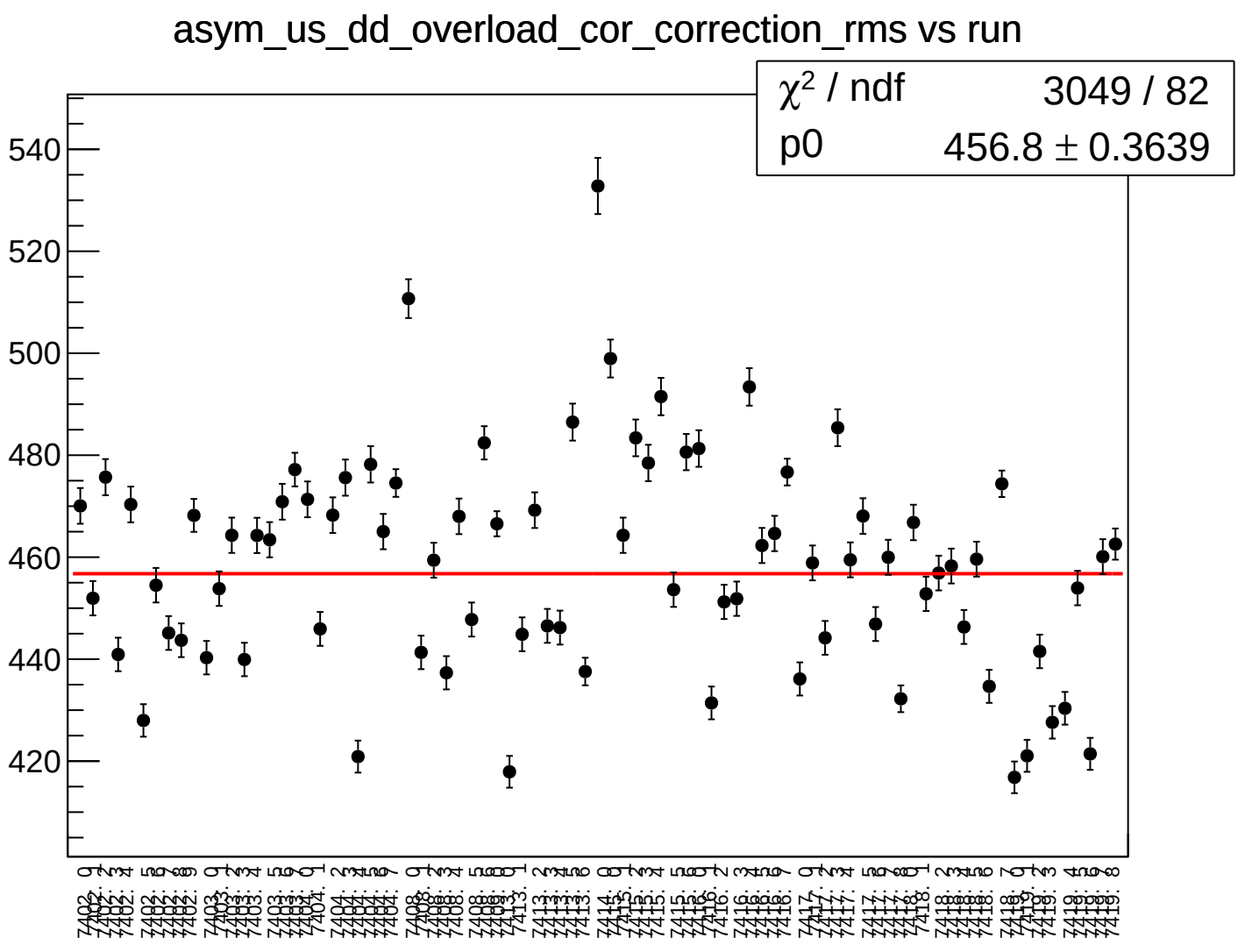
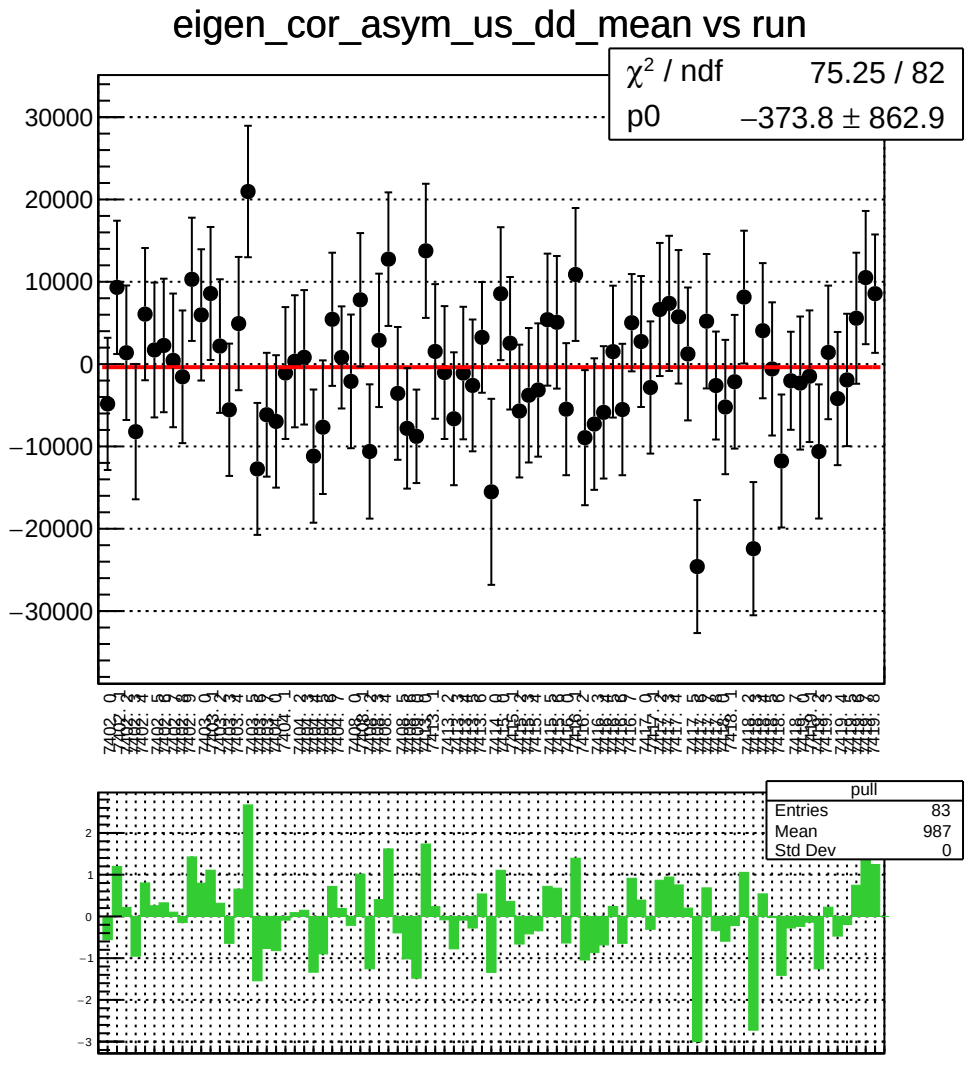
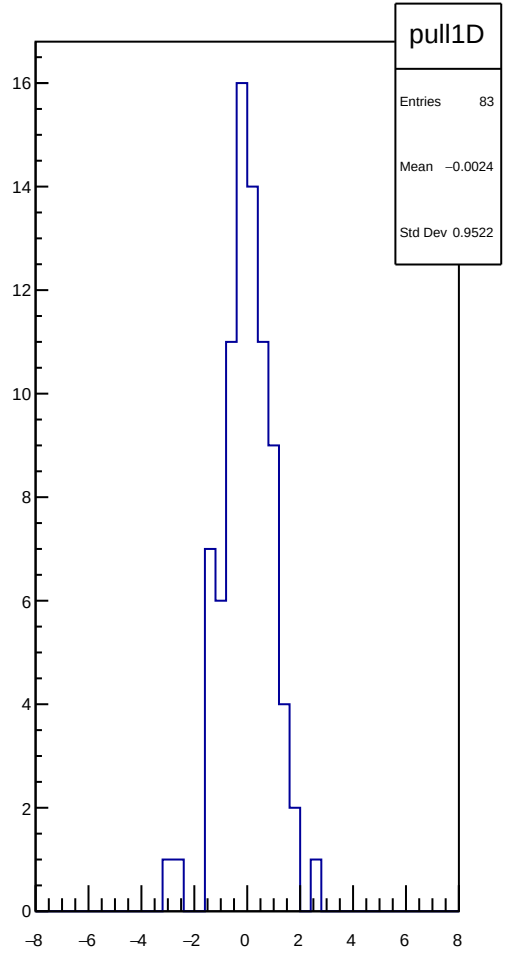
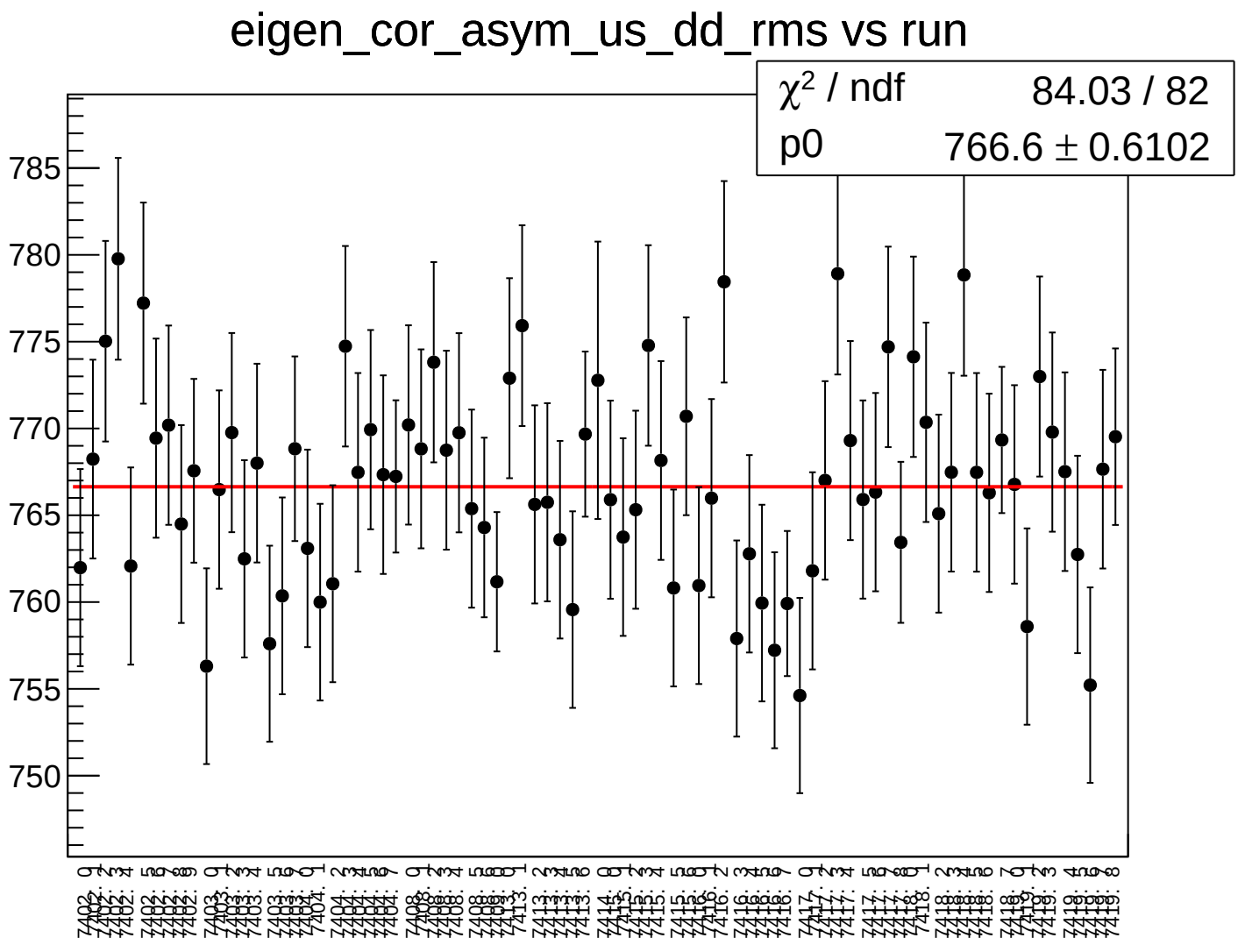
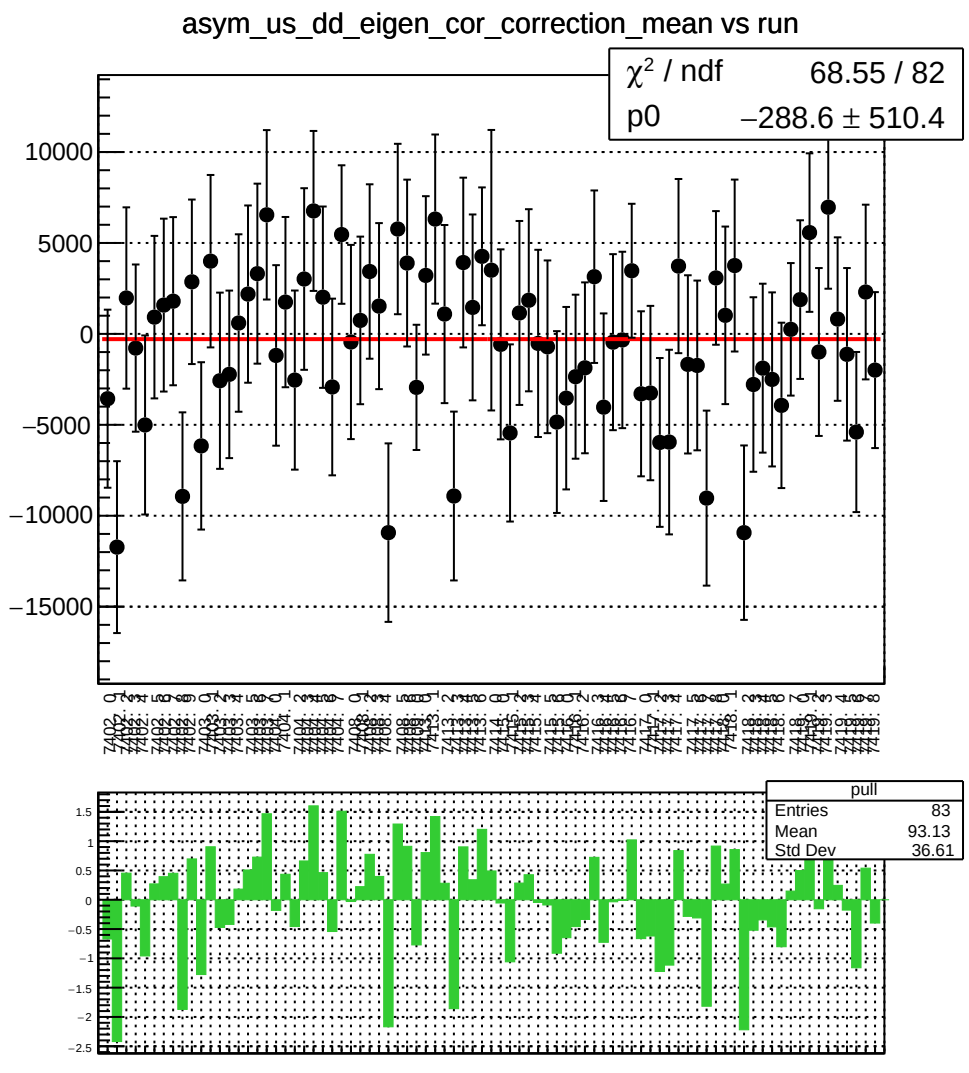
0
2
4
6
8

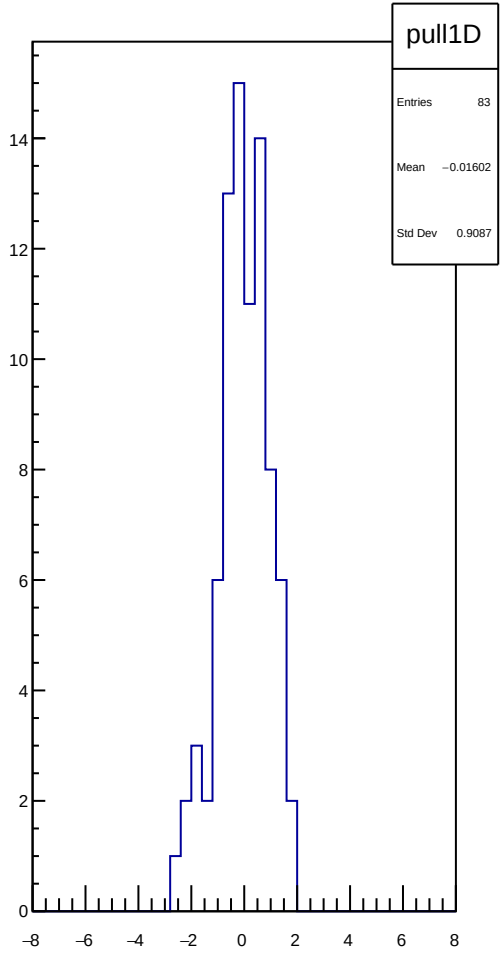

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 3049 / 82
p0 456.8 ± 0.3639
540
520
500
480
460
440
420

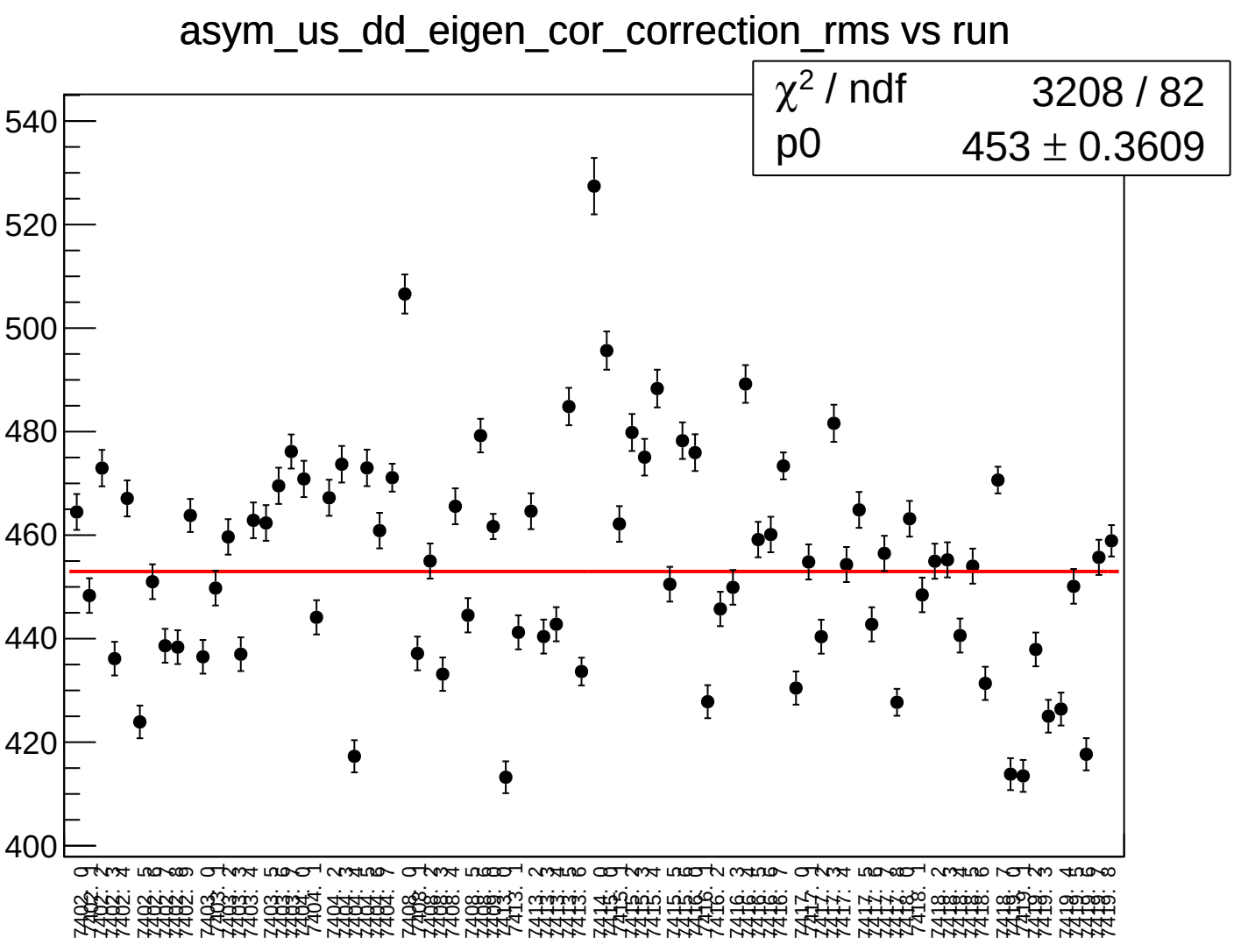

eigen_cor_asym_us_dd_mean vs run
χ² / ndf 75.25 / 82
p0 −373.8 ± 862.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 987
Std Dev 0
2
1
0
−1
−2
−3

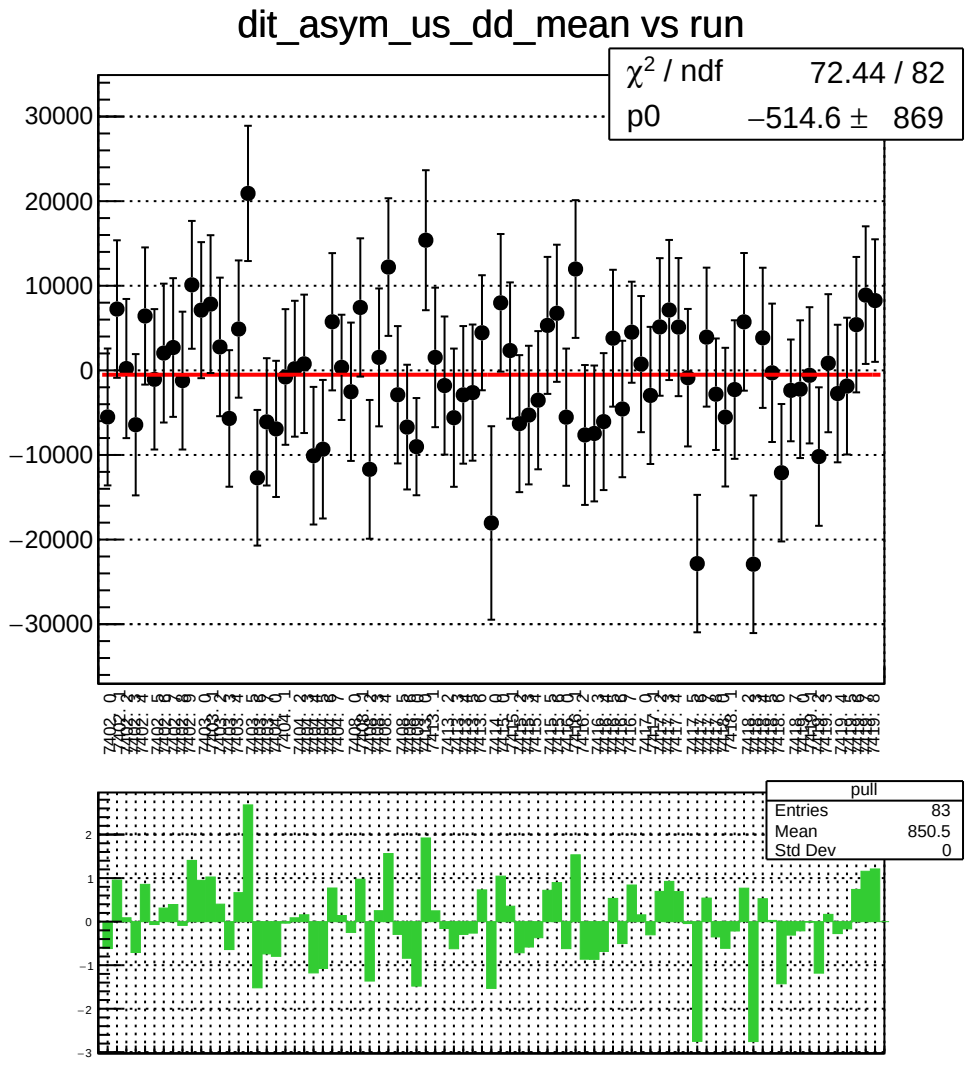

pull1D
Entries 83
Mean −0.0024
Std Dev 0.9522
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

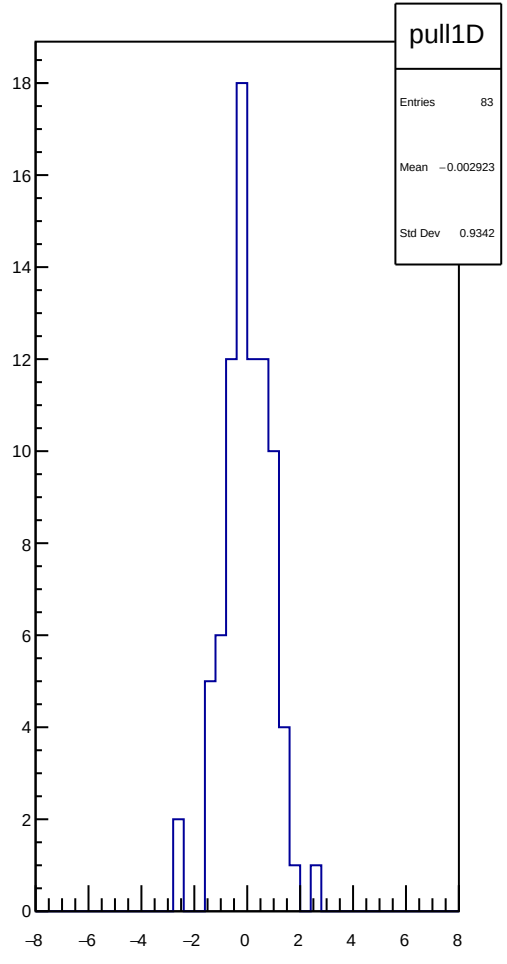

eigen_cor_asym_us_dd_rms vs run
χ² / ndf 84.03 / 82
p0 766.6 ± 0.6102
785
780
775
770
765
760
755
750

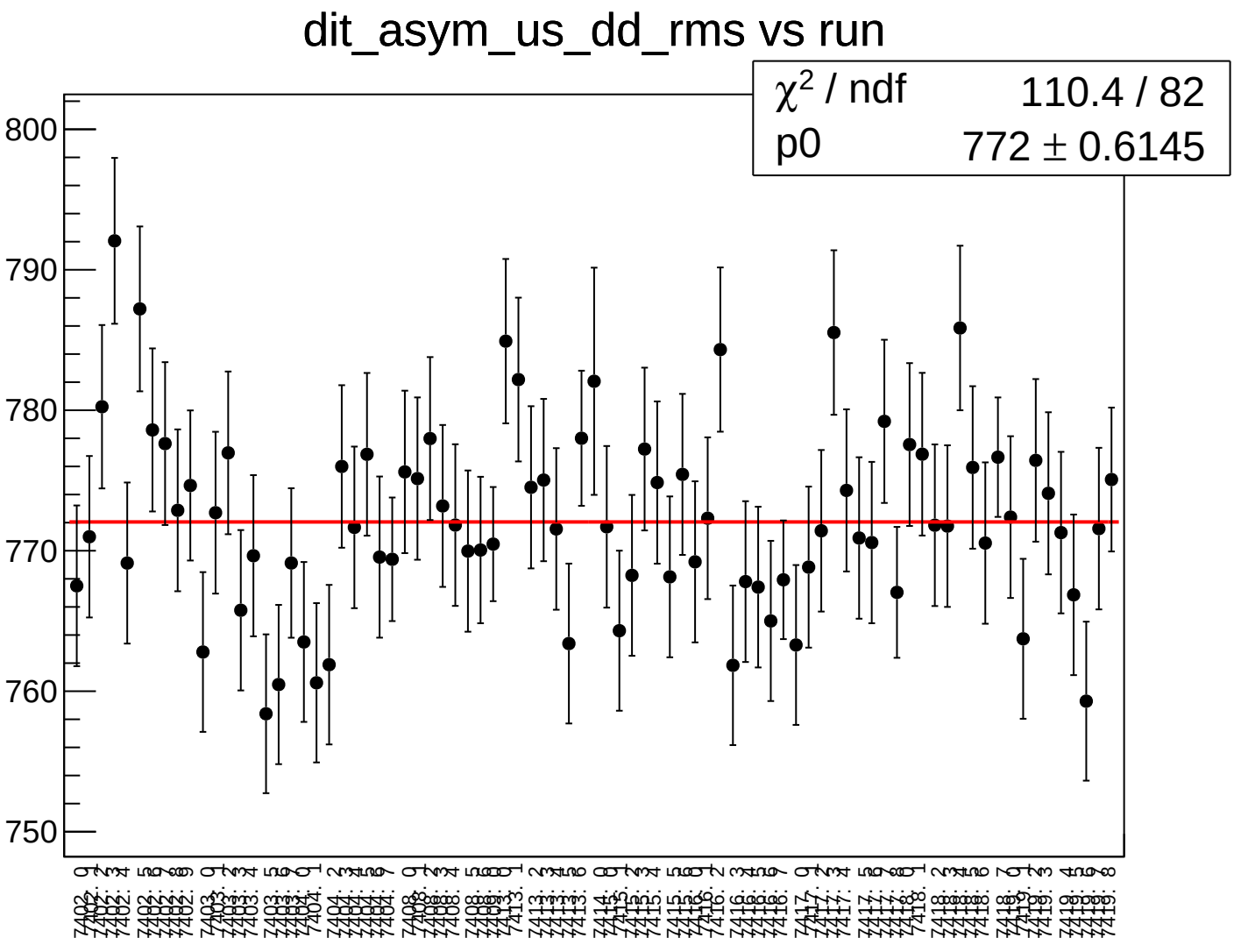

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.55 / 82
p0 −288.6 ± 510.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 93.13
Std Dev 36.61
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

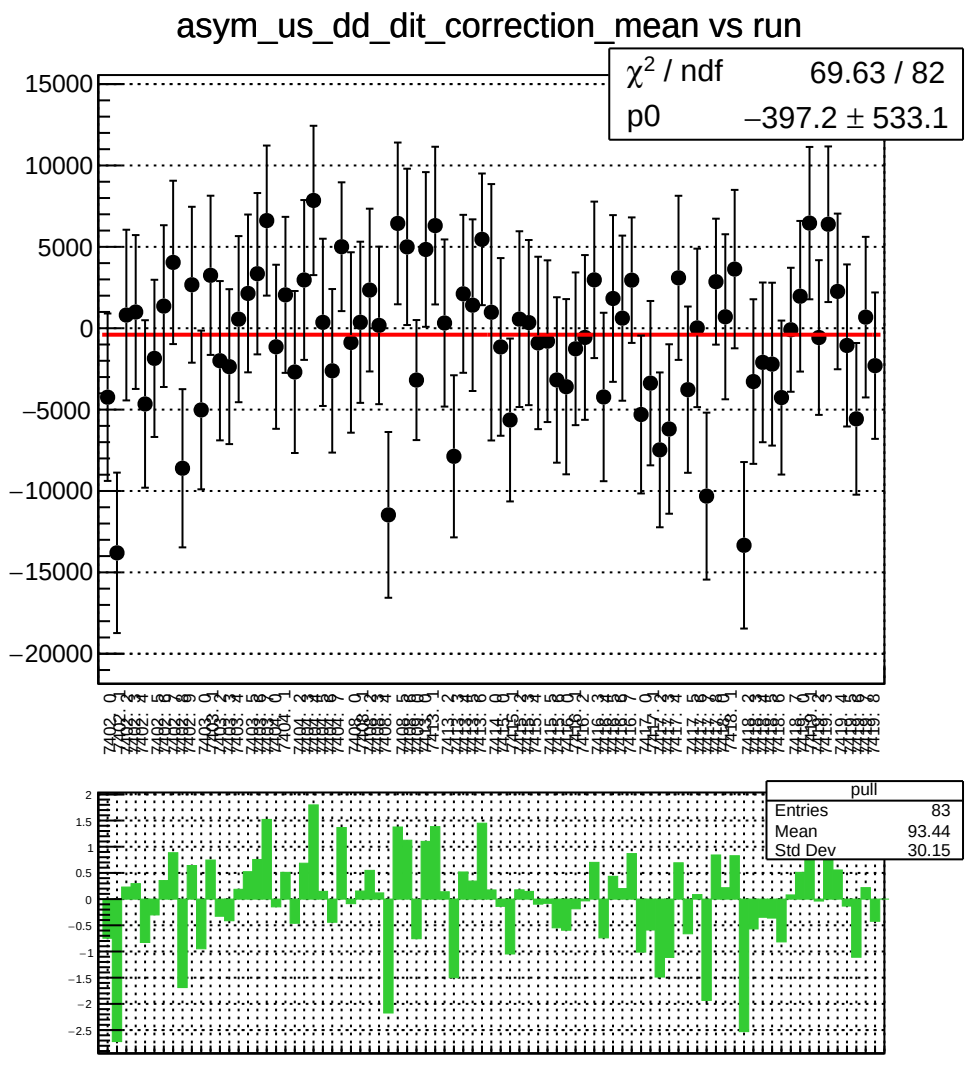

pull1D
Entries 83
Mean −0.01602
Std Dev 0.9087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

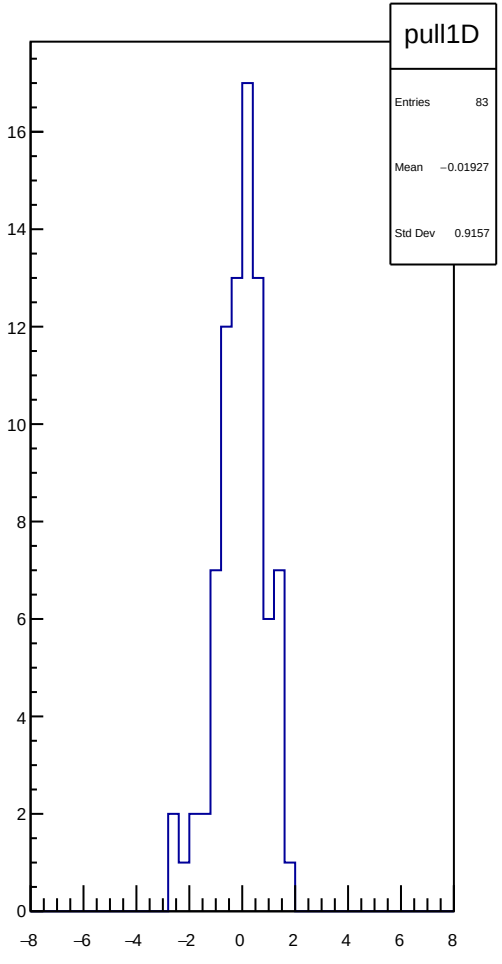

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 3208 / 82
p0 453 ± 0.3609
540
520
500
480
460
440
420
400

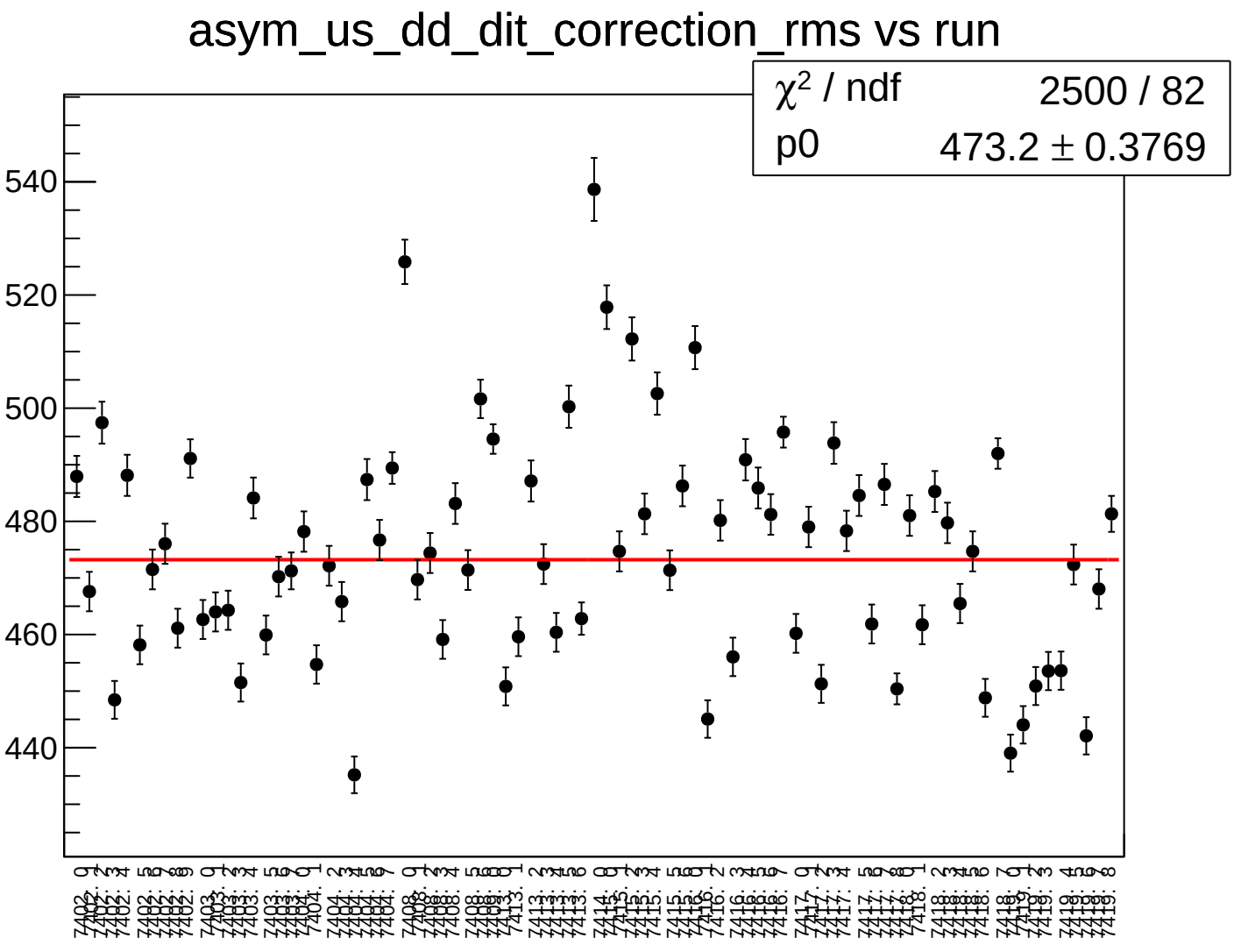

dit_asym_us_dd_mean vs run
χ² / ndf 72.44 / 82
p0 −514.6 ± 869
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 850.5
Std Dev 0
2
1
0
−1
−2
−3

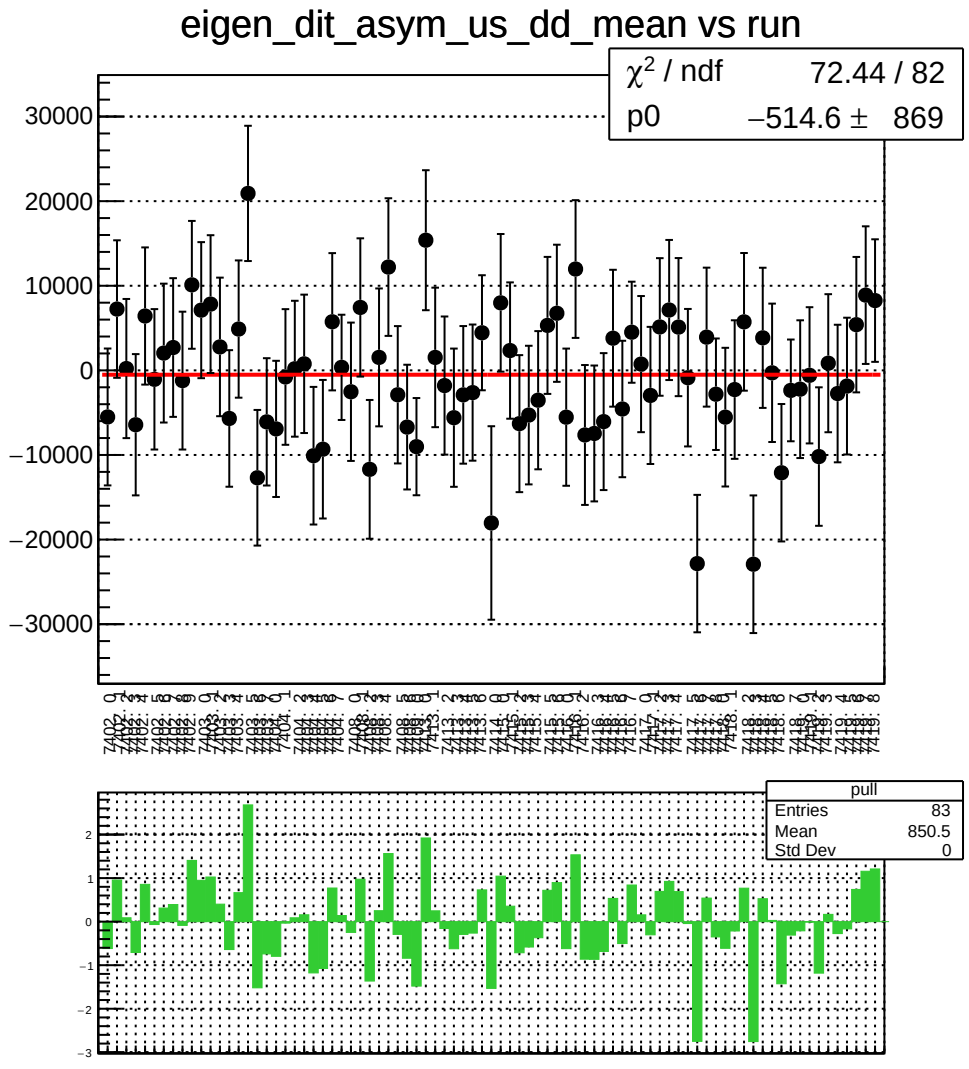

pull1D
Entries 83
Mean −0.002923
Std Dev 0.9342
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

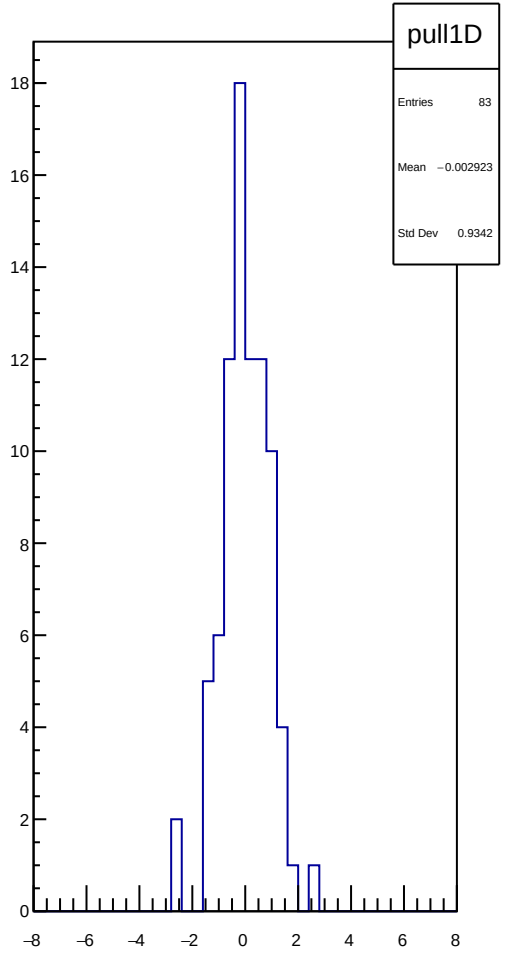

dit_asym_us_dd_rms vs run
χ^2 / ndf 110.4 / 82
p0 772 ± 0.6145
800
790
780
770
760
750

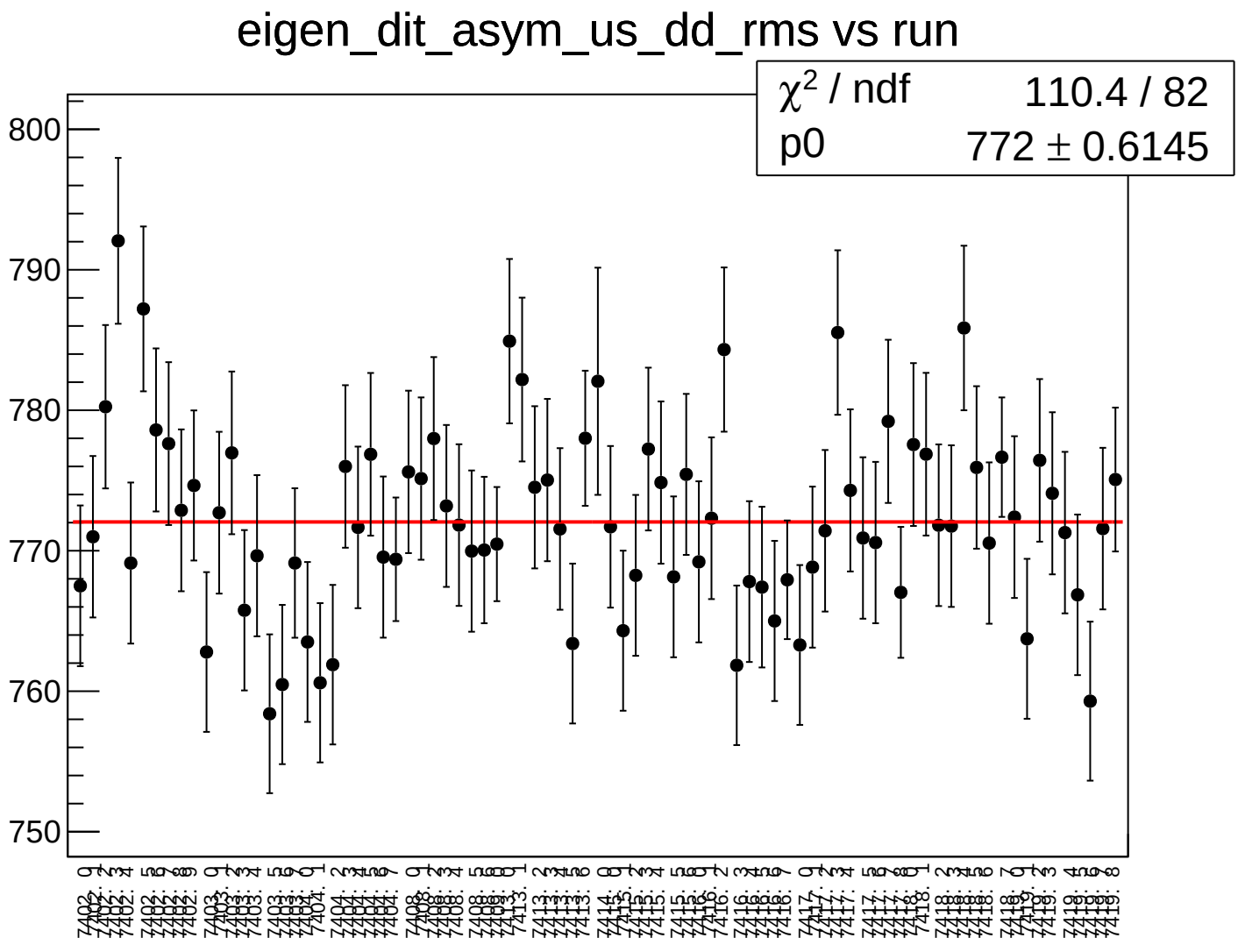

asym_us_dd_dit_correction_mean vs run
χ² / ndf 69.63 / 82
p0 −397.2 ± 533.1
pull
Entries 83
Mean 93.44
Std Dev 30.15

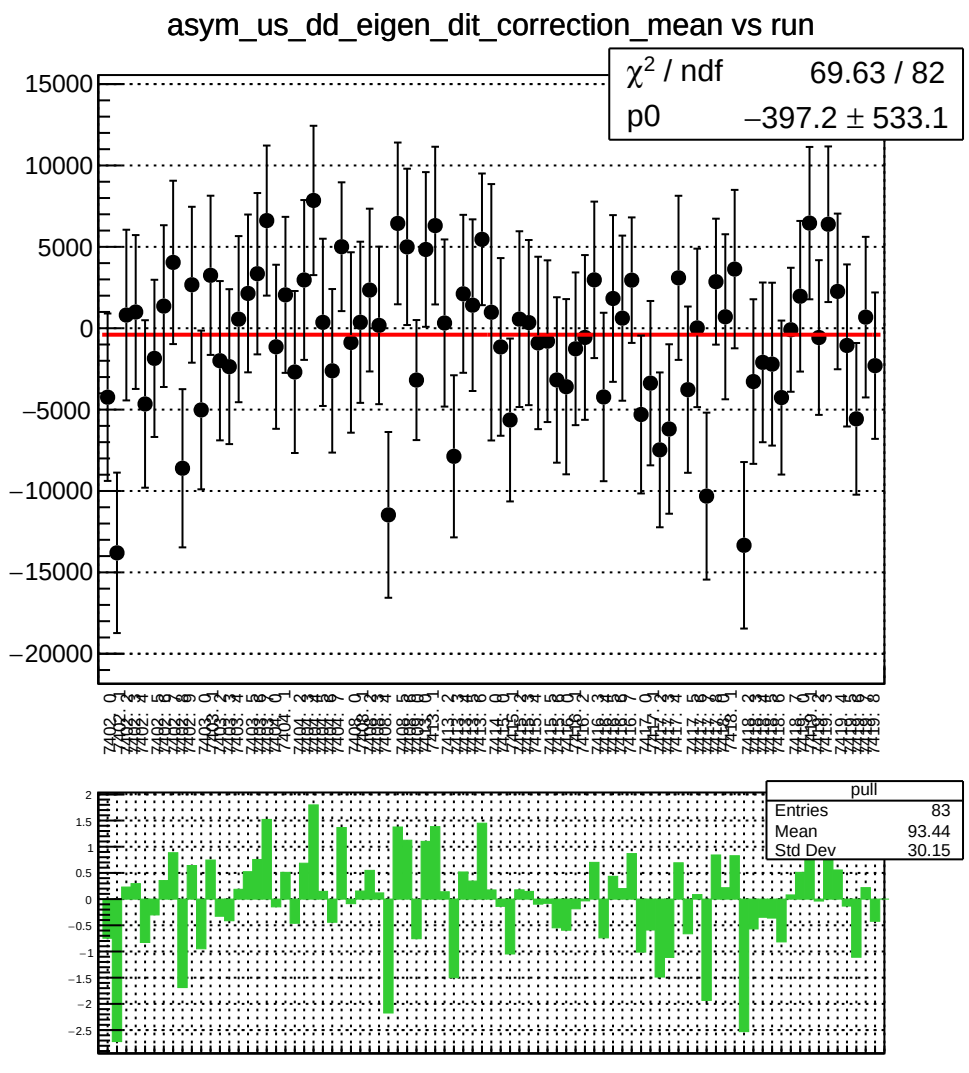

pull1D
Entries 83
Mean −0.01927
Std Dev 0.9157

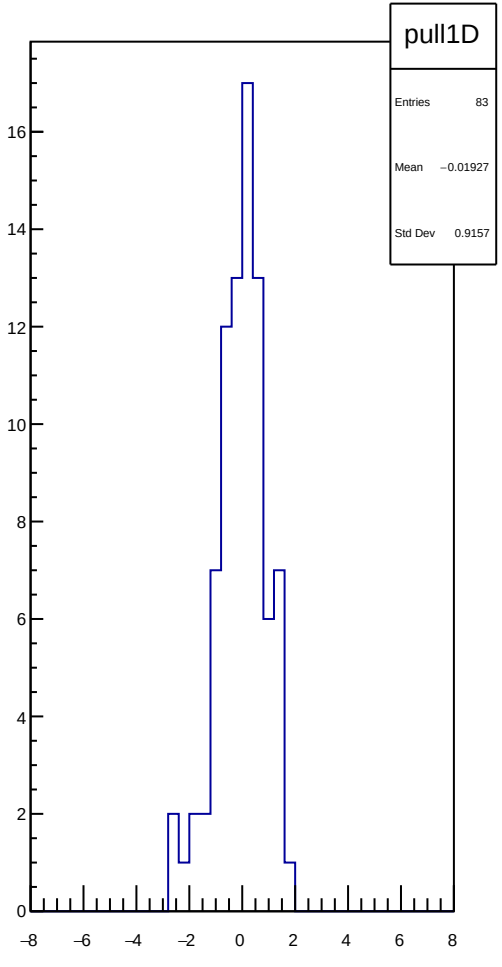

asym_us_dd_dit_correction_rms vs run
χ² / ndf 2500 / 82
p0 473.2 ± 0.3769
540
520
500
480
460
440

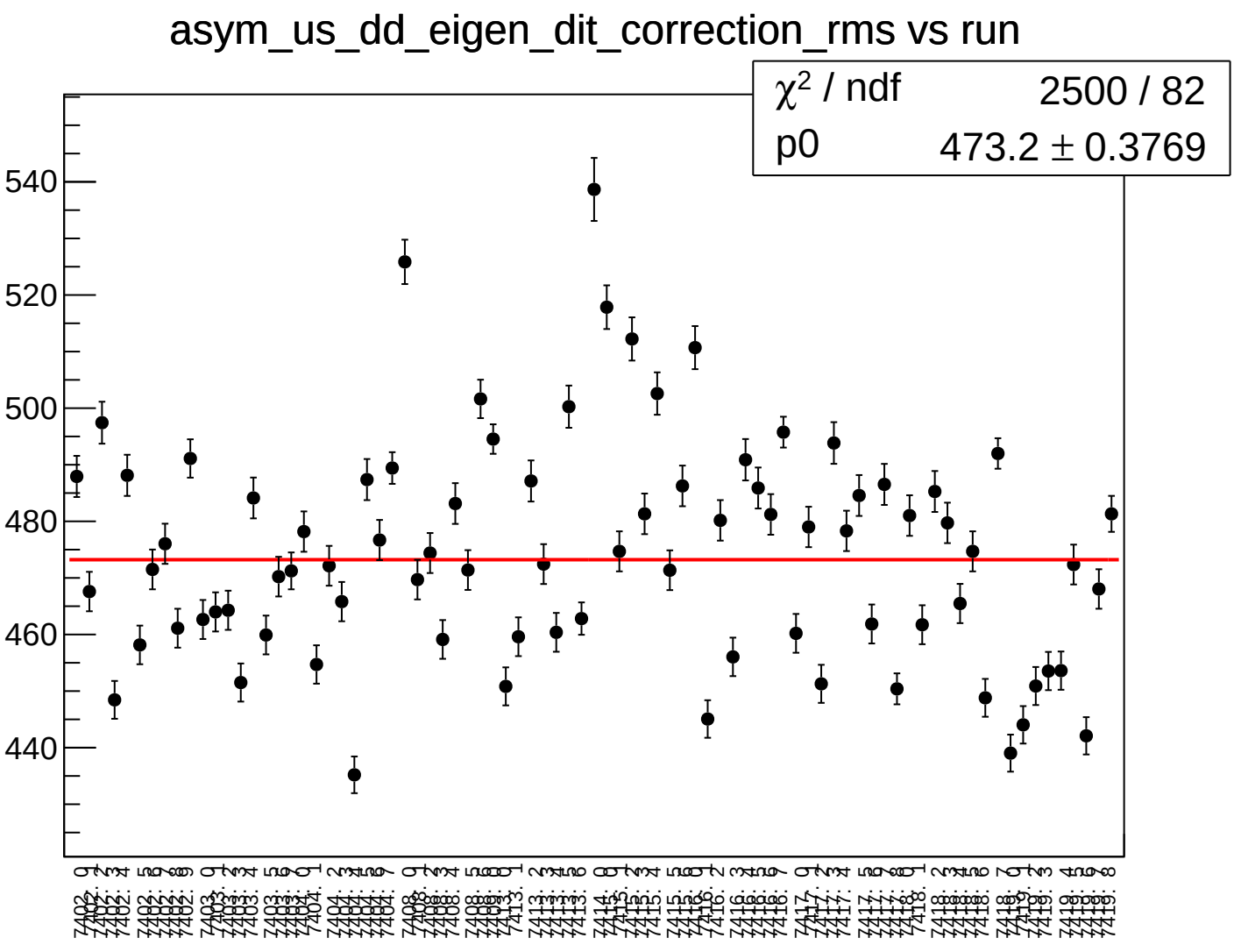

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 72.44 / 82
p0 −514.6 ± 869
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 850.5
Std Dev 0
2
1
0
−1
−2
−3

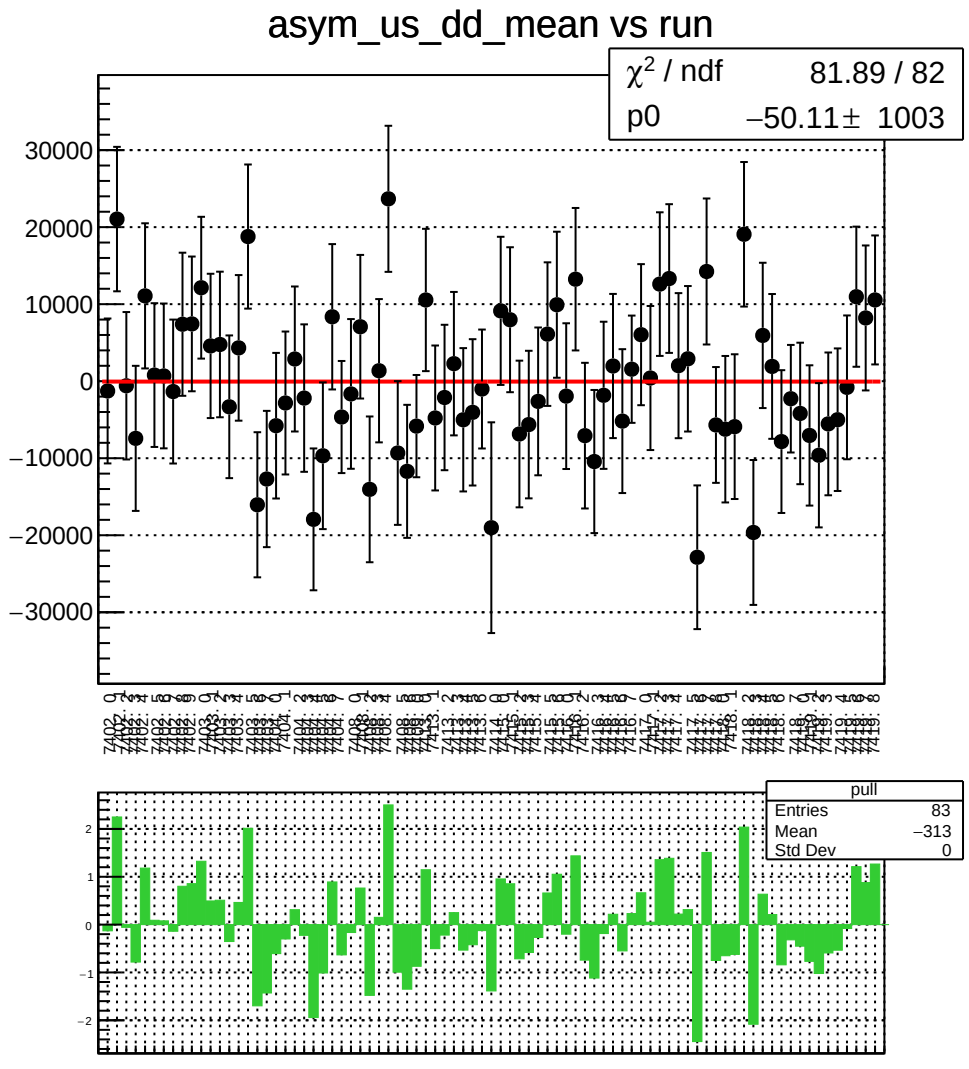

pull1D
Entries 83
Mean −0.002923
Std Dev 0.9342
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

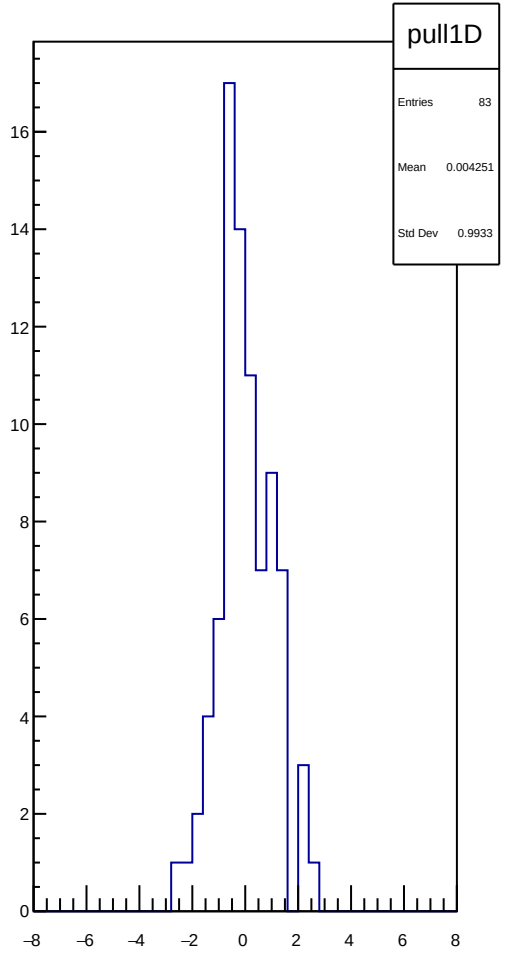

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 110.4 / 82
p0 772 ± 0.6145
800
790
780
770
760
750

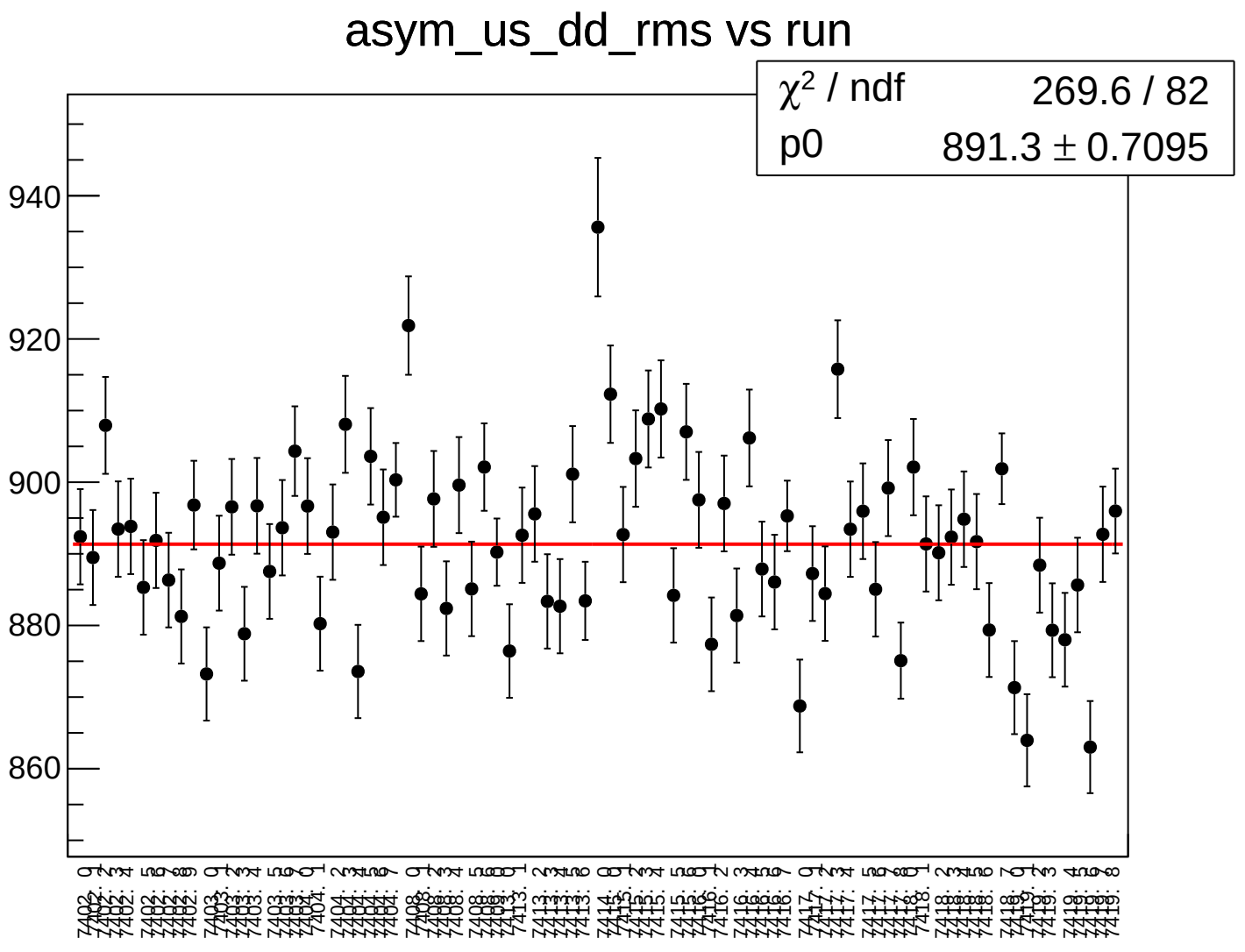

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.63 / 82
p0 −397.2 ± 533.1
pull
Entries 83
Mean 93.44
Std Dev 30.15

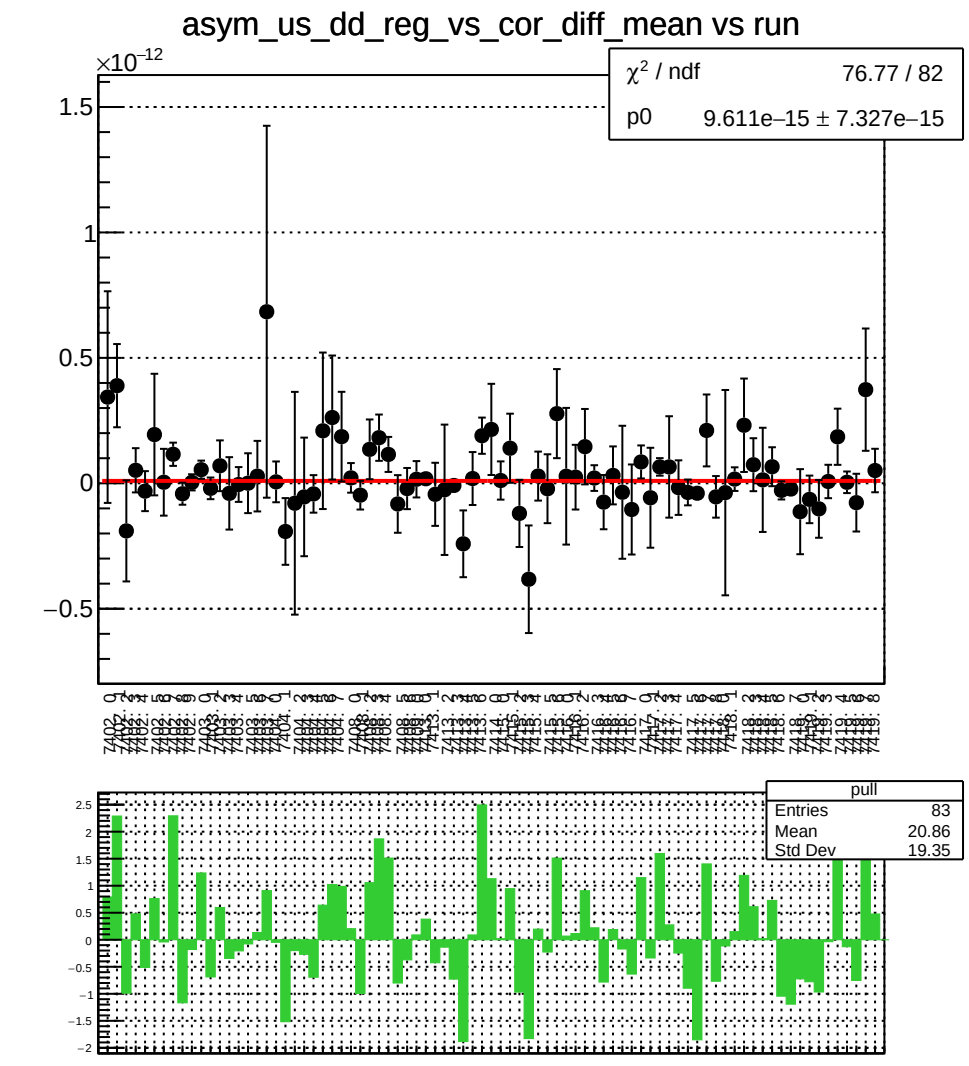

pull1D
Entries 83
Mean −0.01927
Std Dev 0.9157

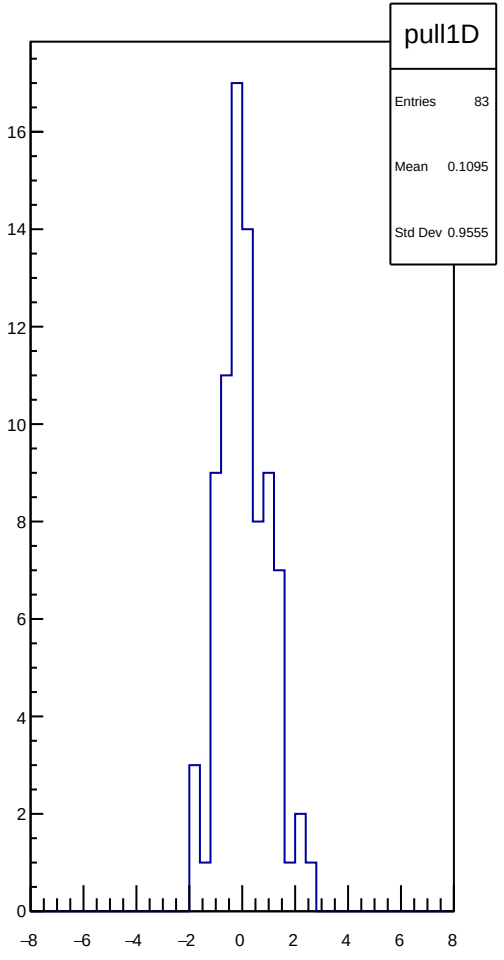

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 2500 / 82
p0 473.2 ± 0.3769
540
520
500
480
460
440

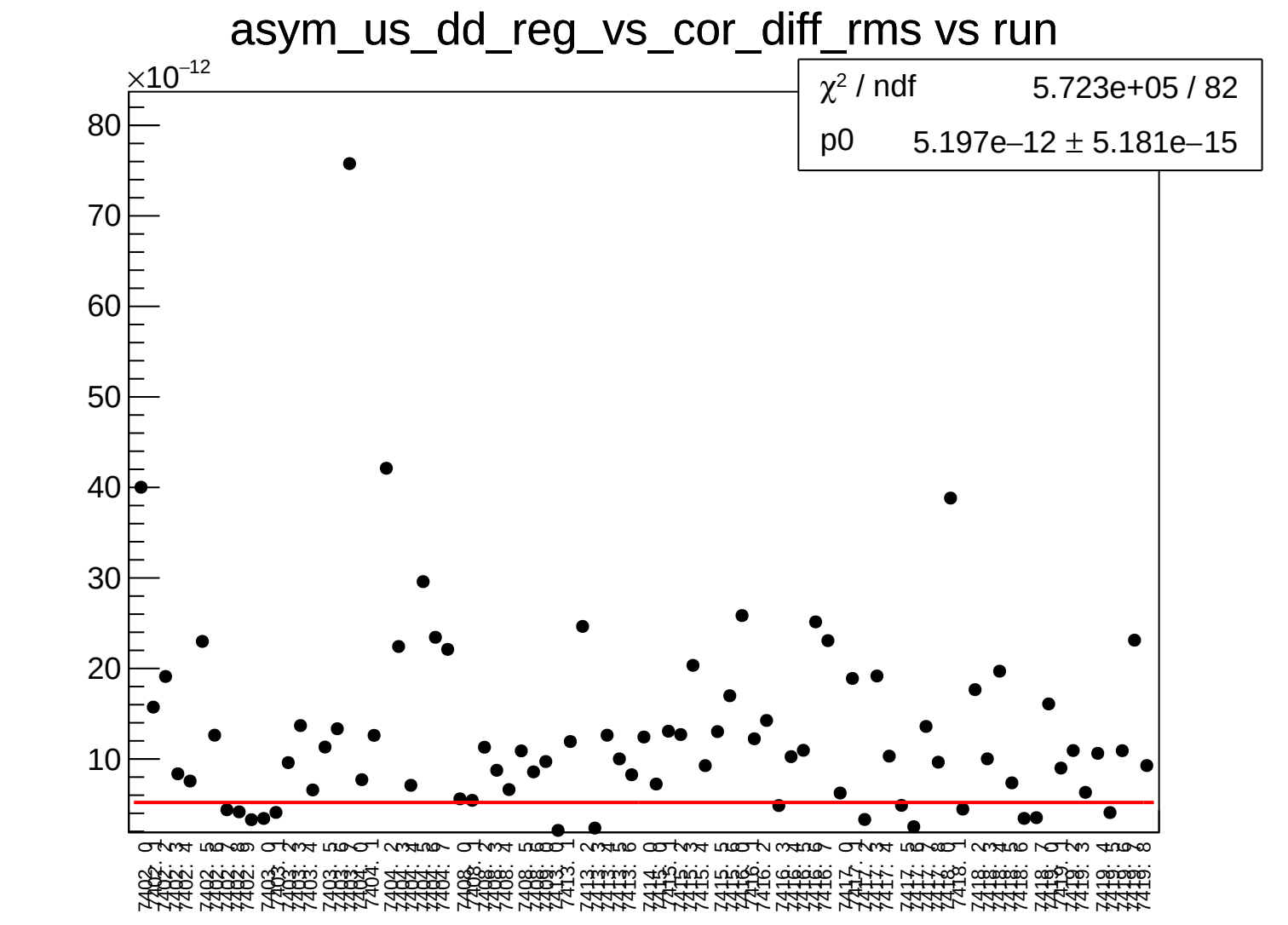

asym_us_dd_mean vs run
χ² / ndf 81.89 / 82
p0 −50.11± 1003
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −313
Std Dev 0
2
1
0
−1
−2

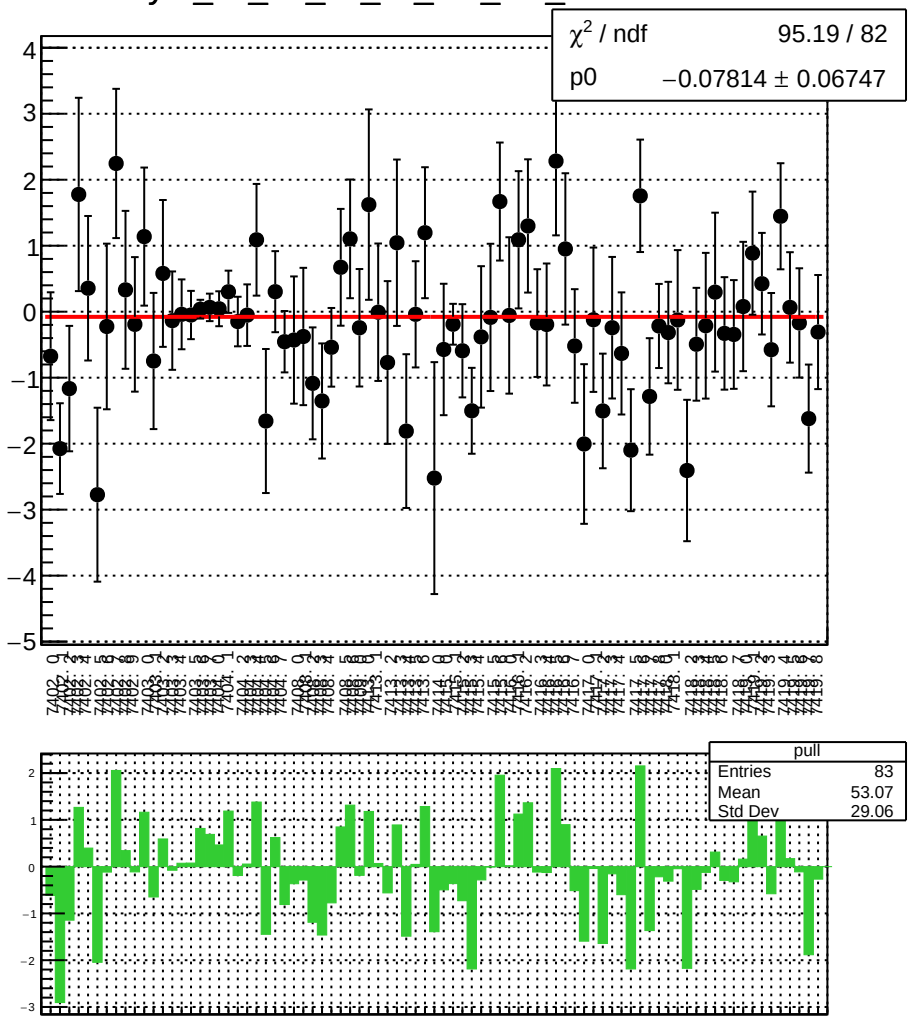

pull1D
Entries 83
Mean 0.004251
Std Dev 0.9933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

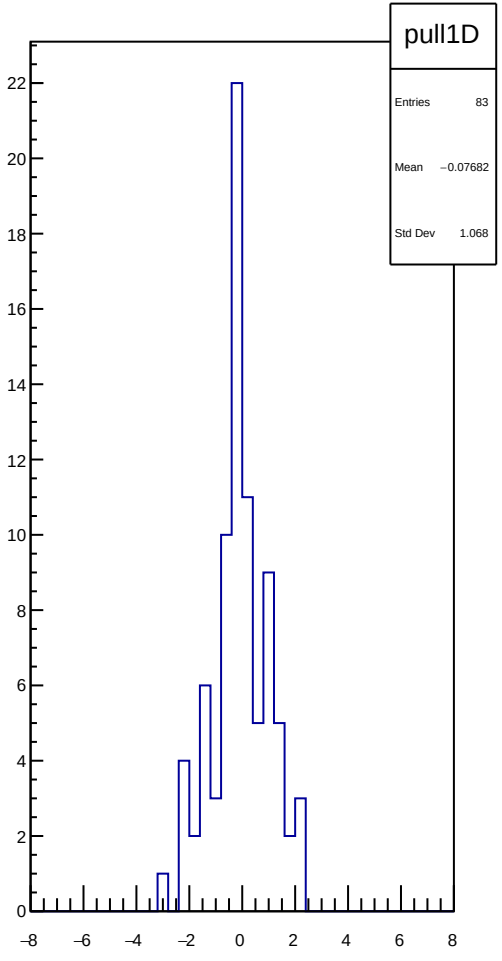

asym_us_dd_rms vs run
χ² / ndf 269.6 / 82
p0 891.3 ± 0.7095
940
920
900
880
860

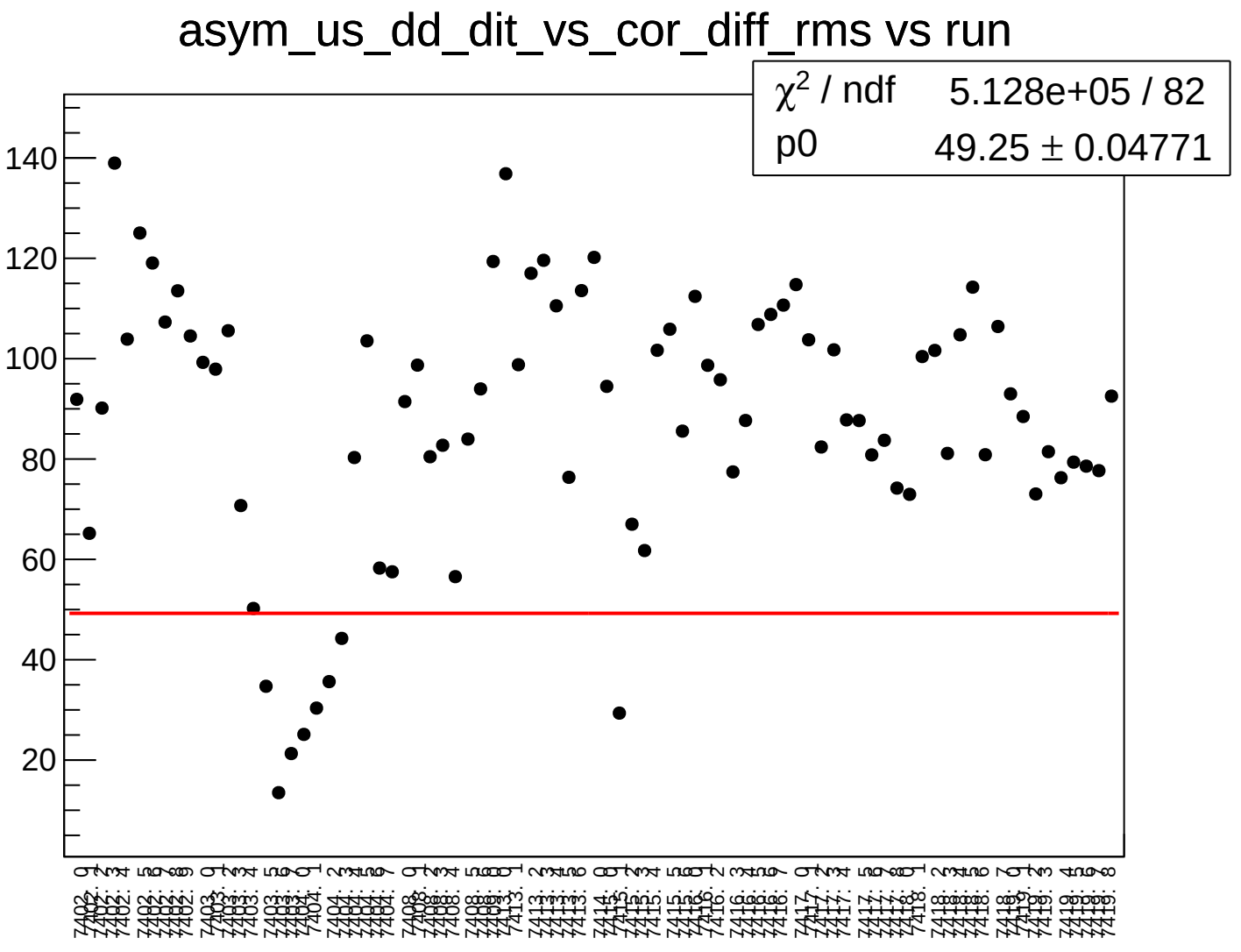

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.77 / 82
p0 9.611e−15 ± 7.327e−15
1.5
1
0.5
0
−0.5
pull
Entries 83
Mean 20.86
Std Dev 19.35
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

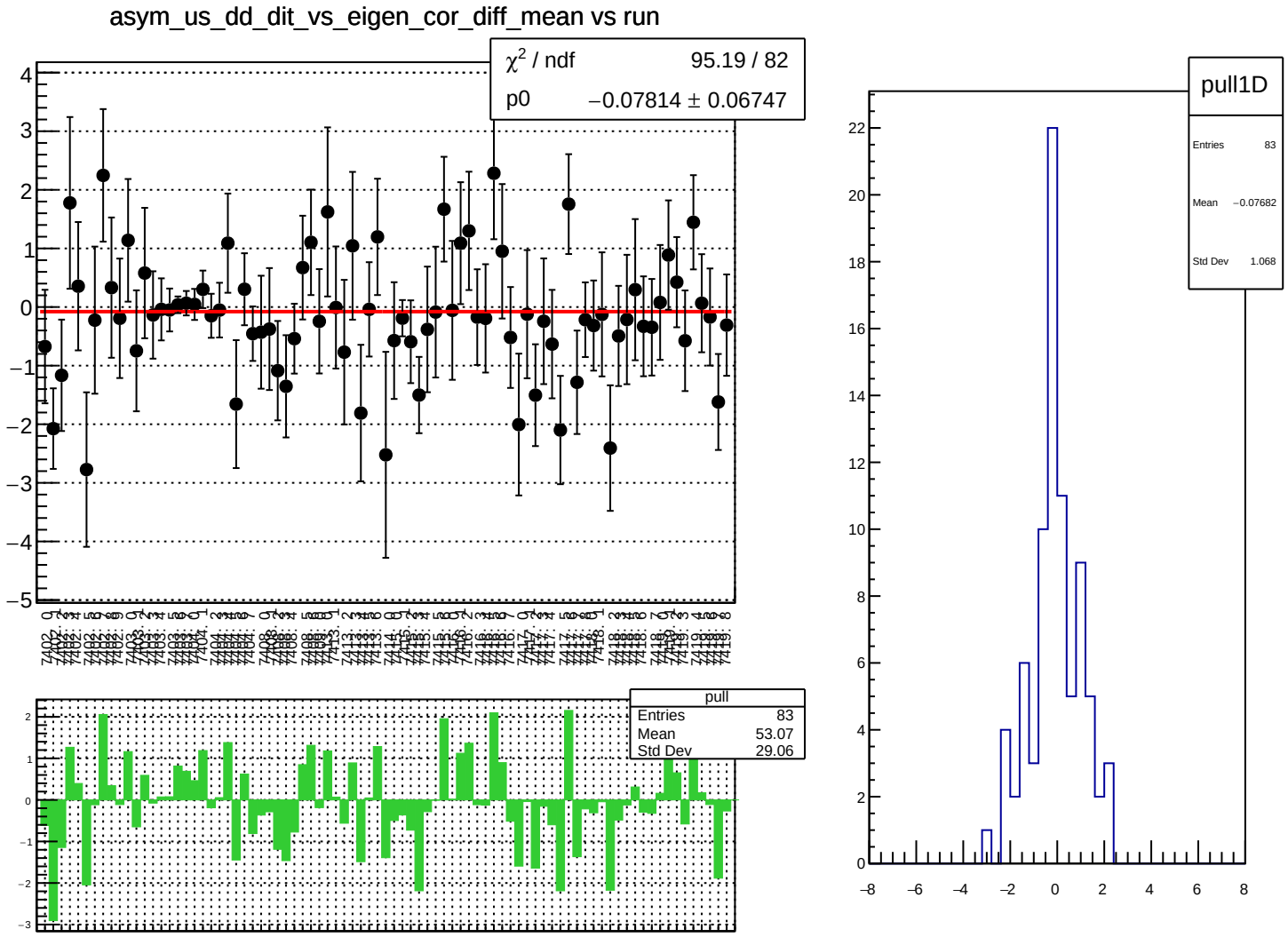

pull1D
Entries 83
Mean 0.1095
Std Dev 0.9555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

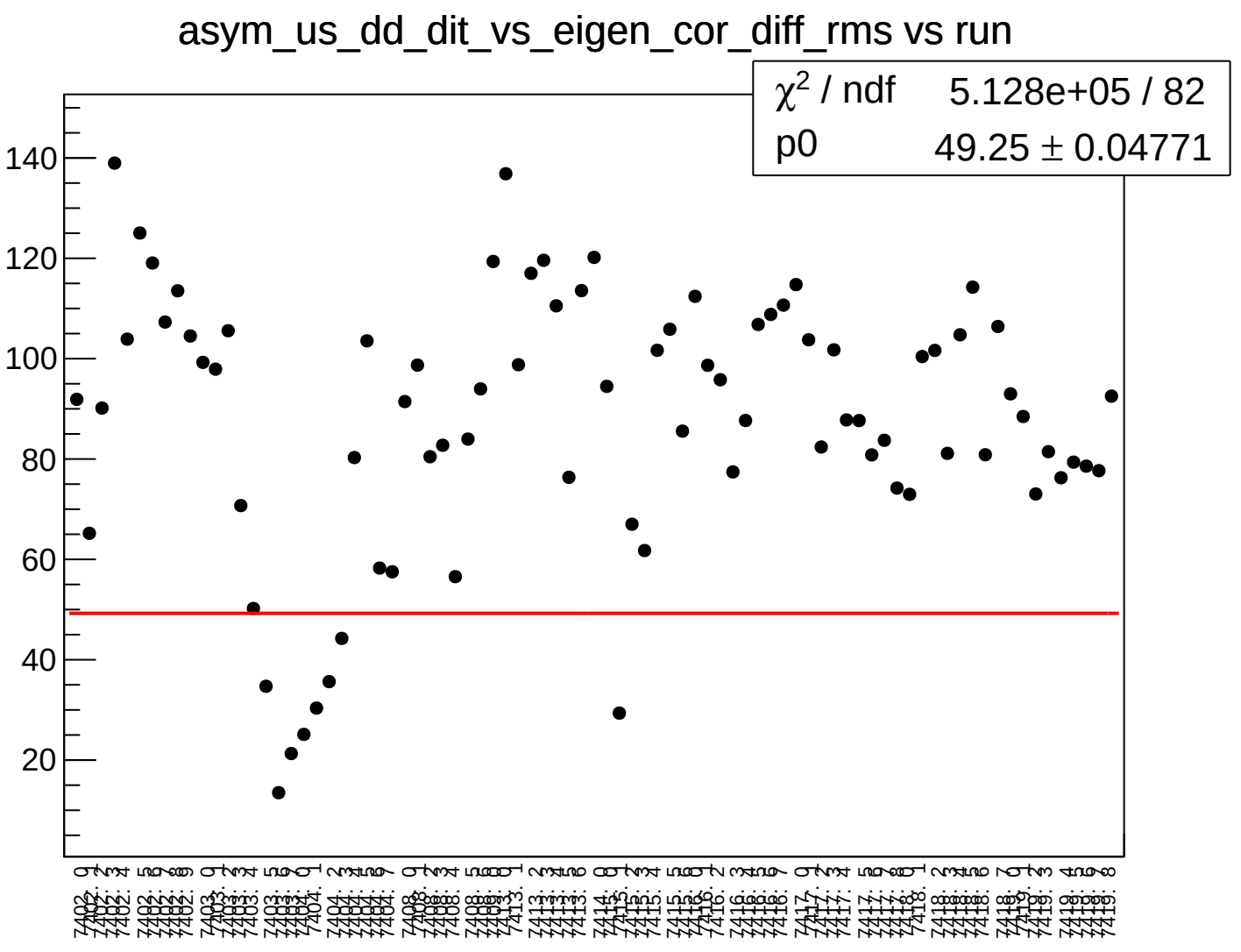

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻¹²
80
70
60
50
40
30
20
10
χ² / ndf 5.723e+05 / 82
p0 5.197e−12 ± 5.181e−15

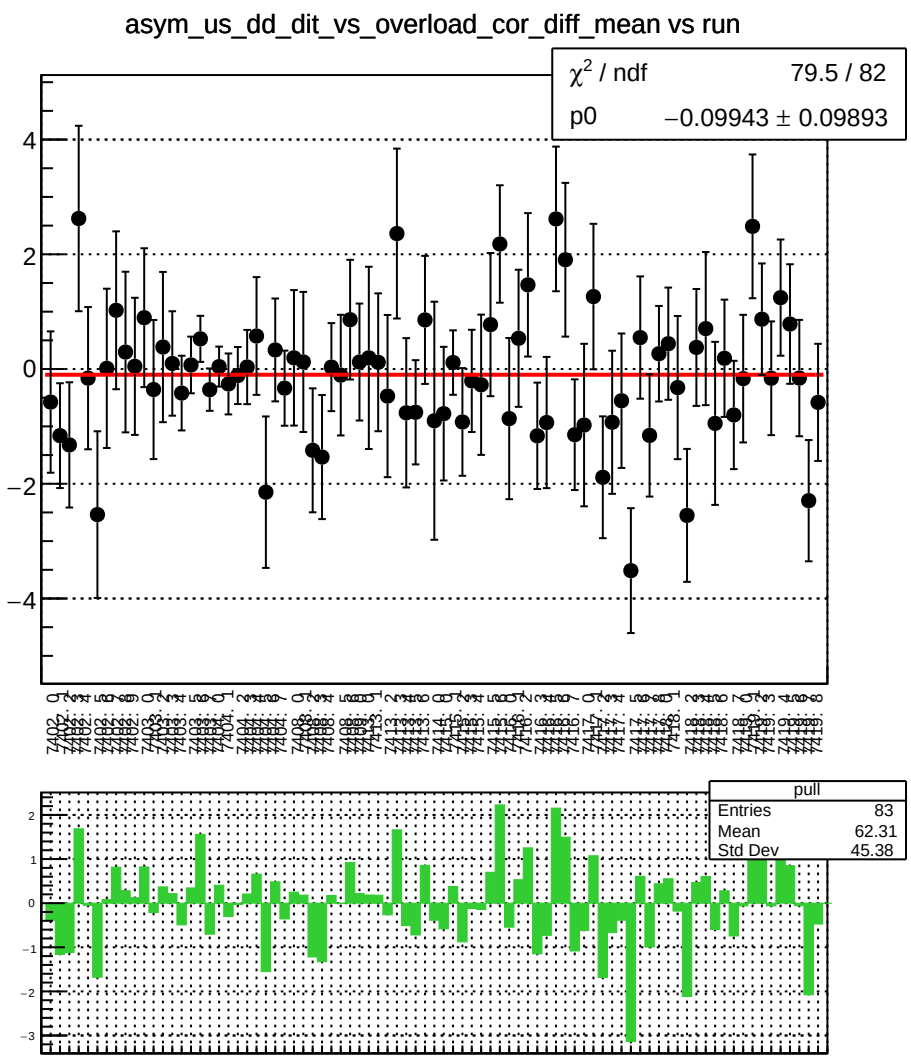

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.19 / 82
p0 −0.07814 ± 0.06747
pull
Entries 83
Mean 53.07
Std Dev 29.06

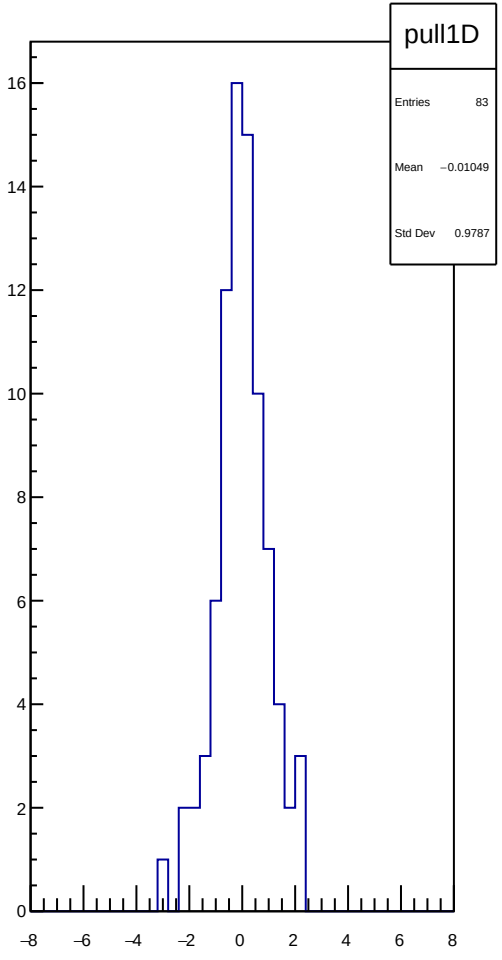

pull1D
Entries 83
Mean −0.07682
Std Dev 1.068

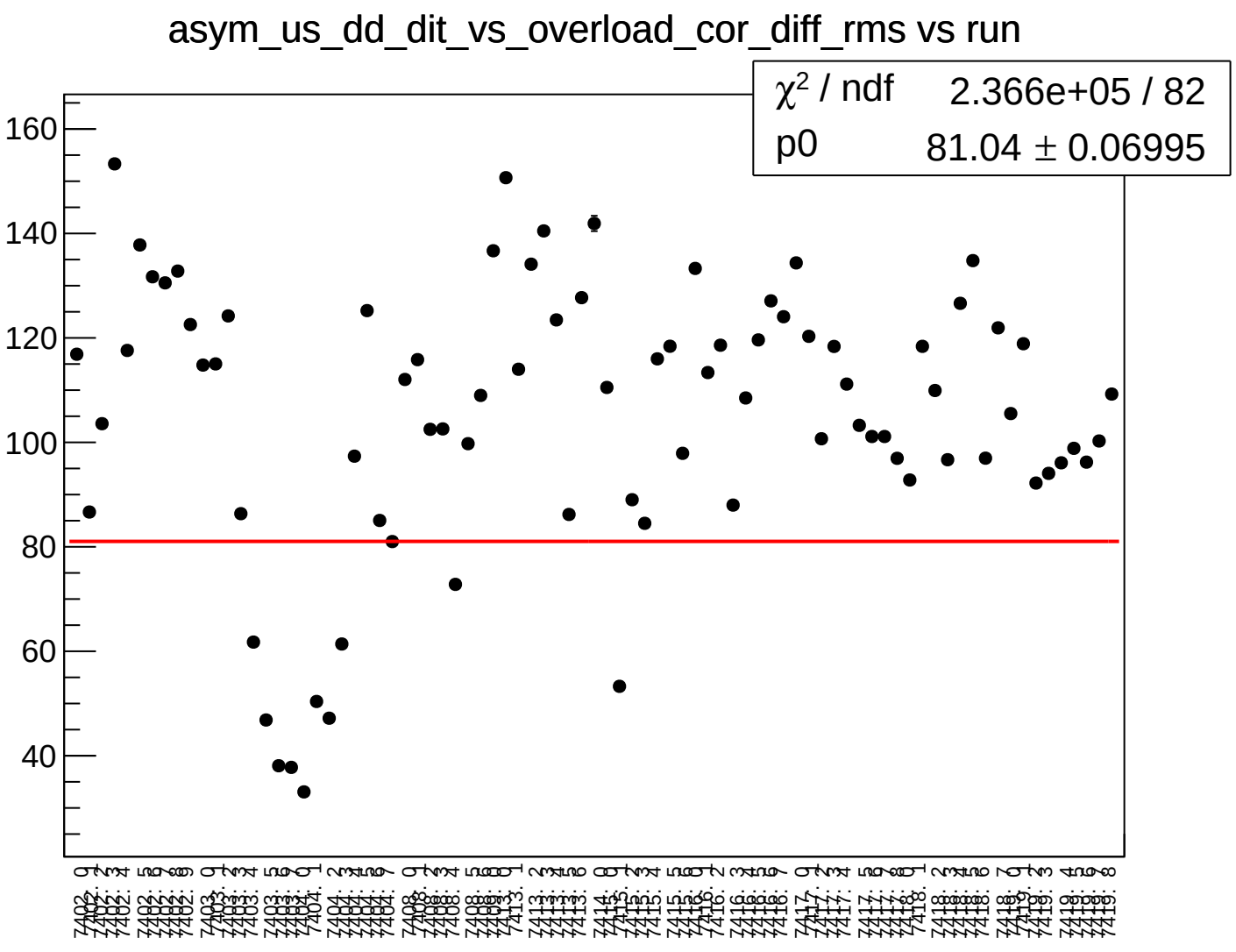

asym_us_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.128e+05 / 82
p0 49.25 ± 0.04771
140
120
100
80
60
40
20

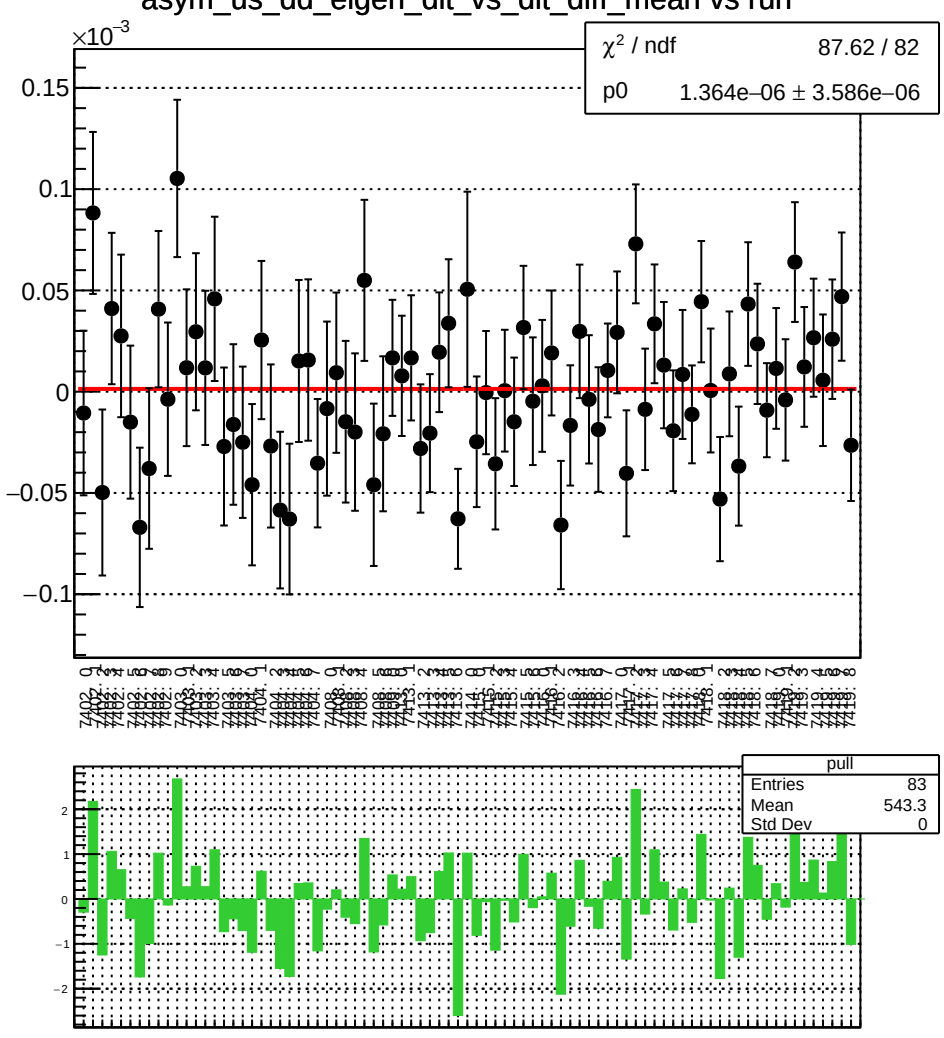

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.19 / 82
p0 −0.07814 ± 0.06747
pull
Entries 83
Mean 53.07
Std Dev 29.06
pull1D
Entries 83
Mean −0.07682
Std Dev 1.068

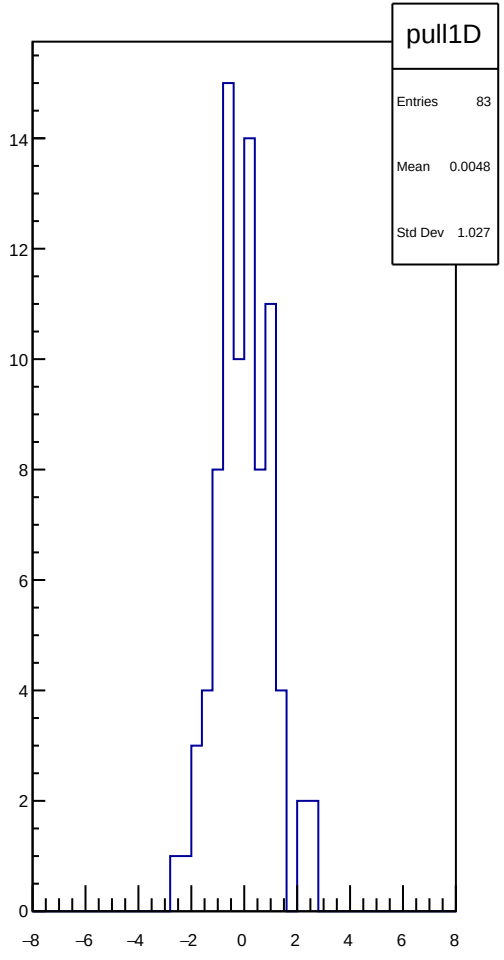

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.128e+05 / 82
p0 49.25 ± 0.04771
140
120
100
80
60
40
20

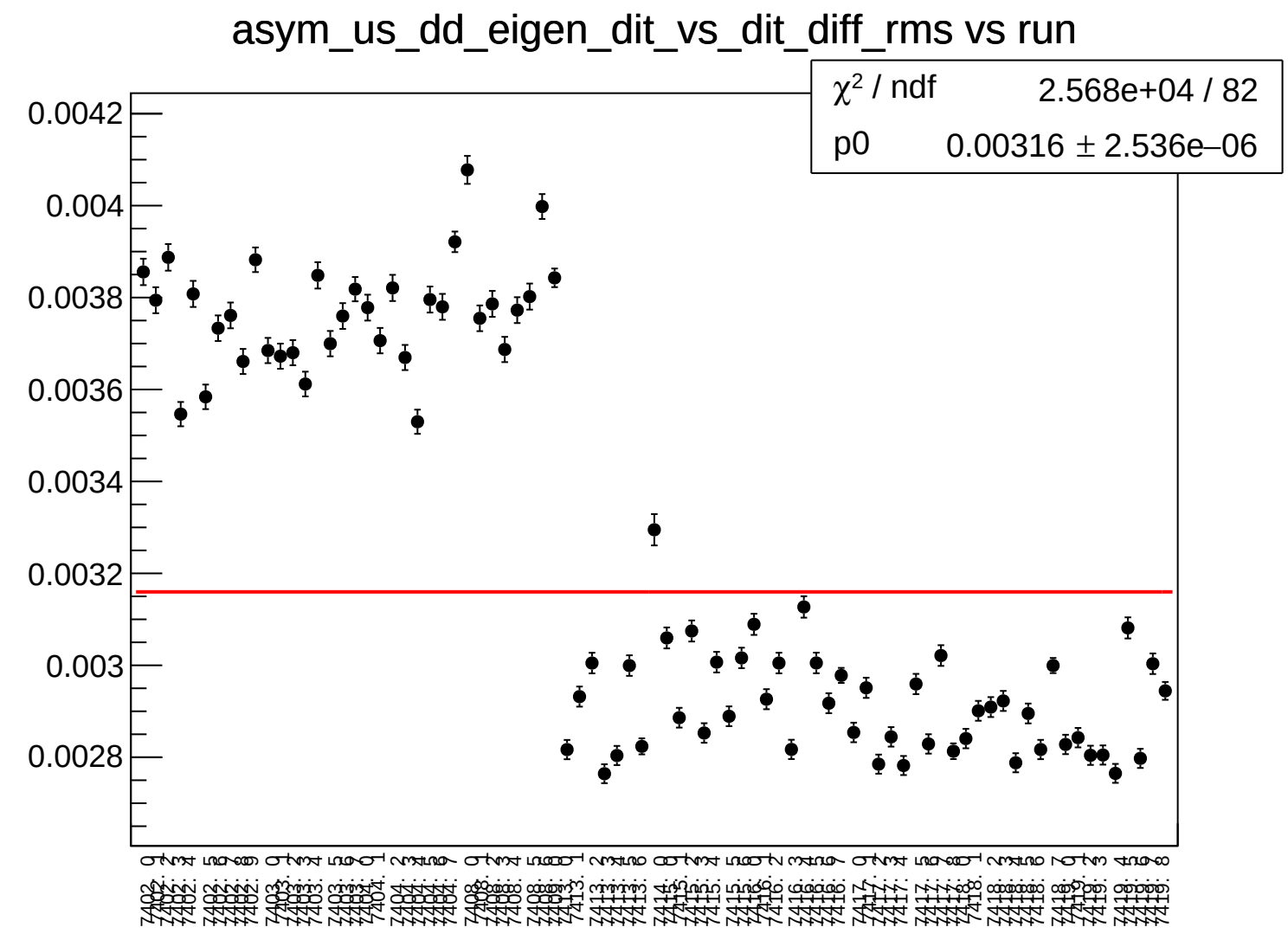

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ^2 / ndf 79.5 / 82
p0 −0.09943 ± 0.09893
pull
Entries 83
Mean 62.31
Std Dev 45.38

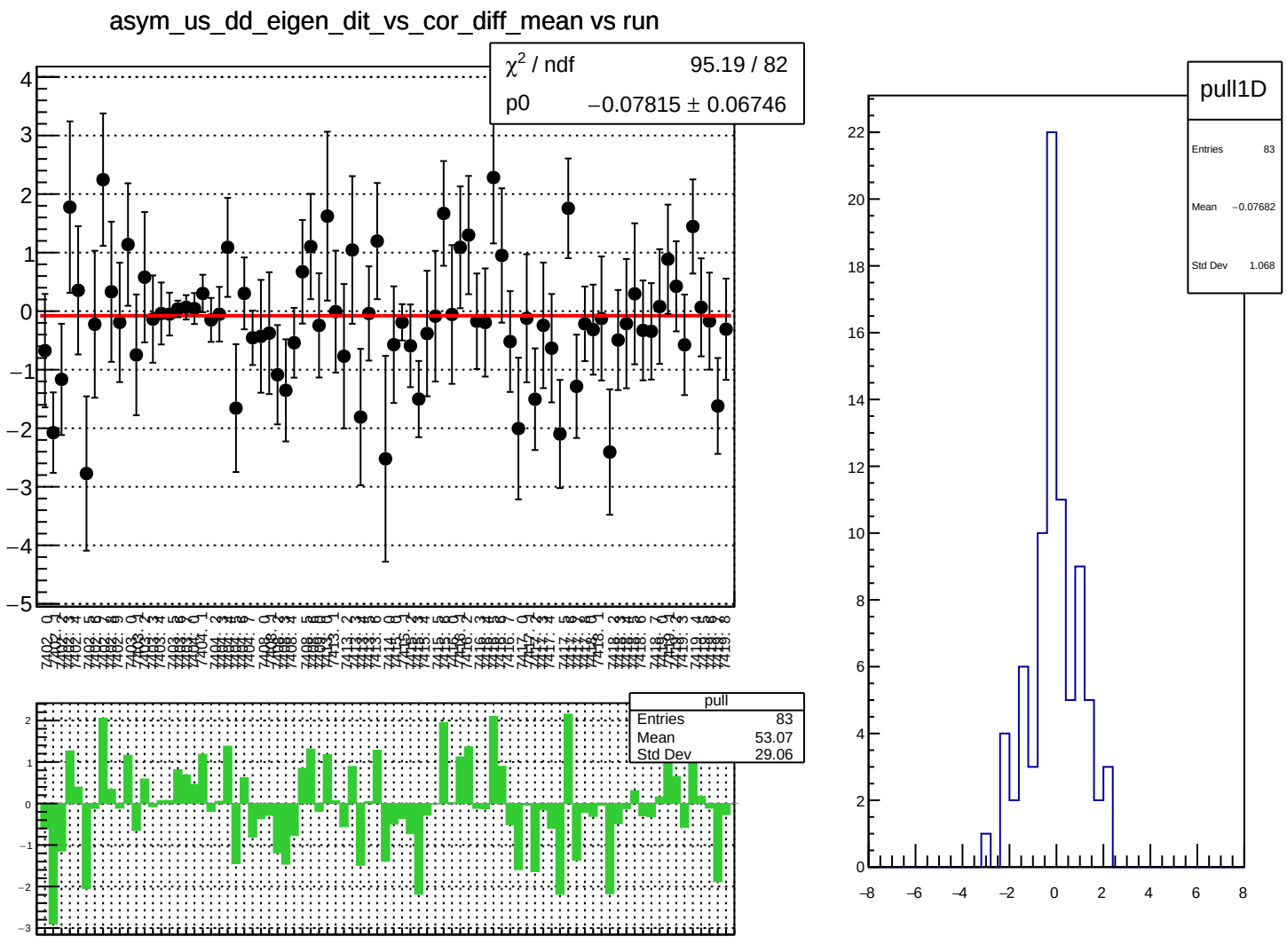

pull1D
Entries 83
Mean −0.01049
Std Dev 0.9787

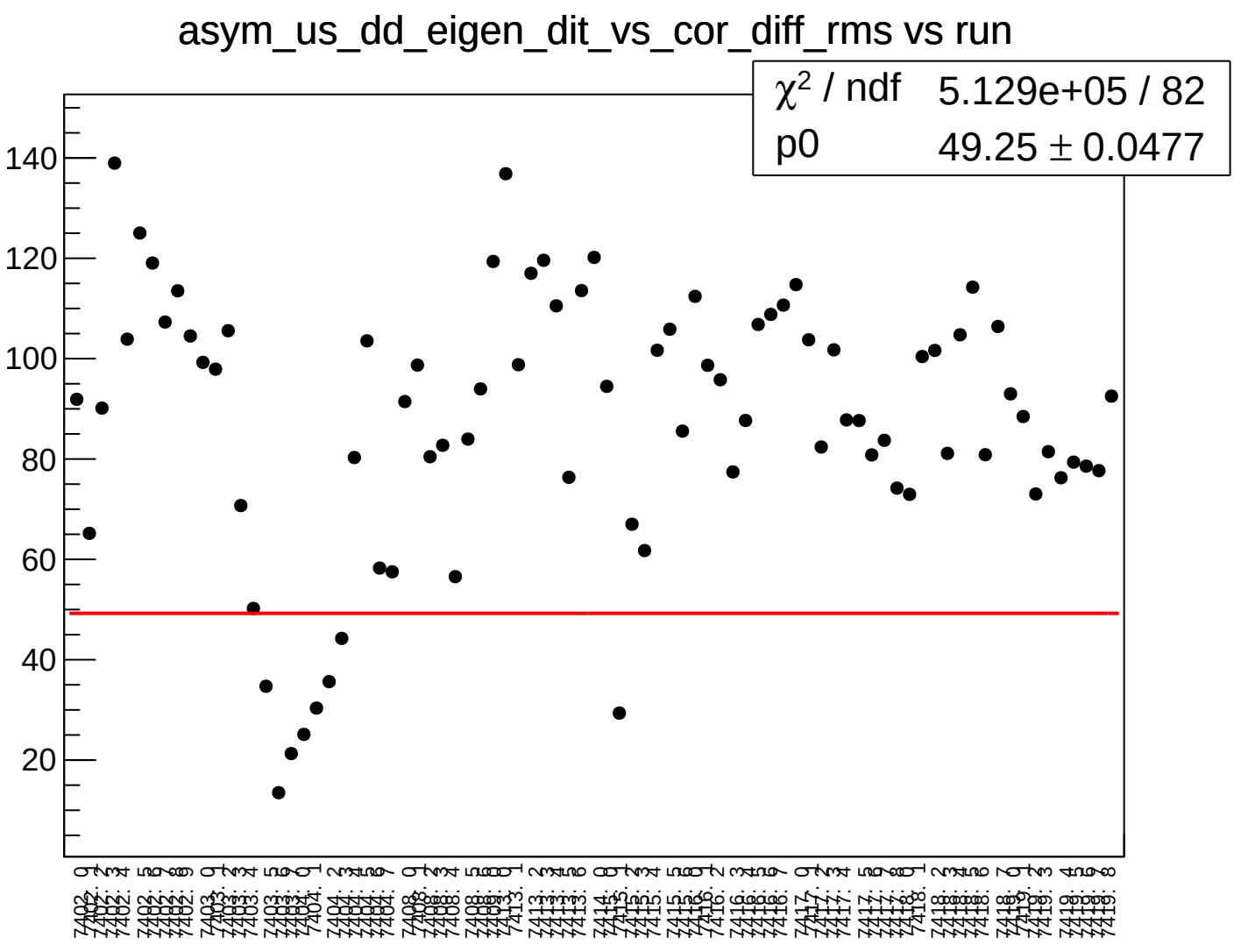

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.366e+05 / 82
p0 81.04 ± 0.06995
160
140
120
100
80
60
40

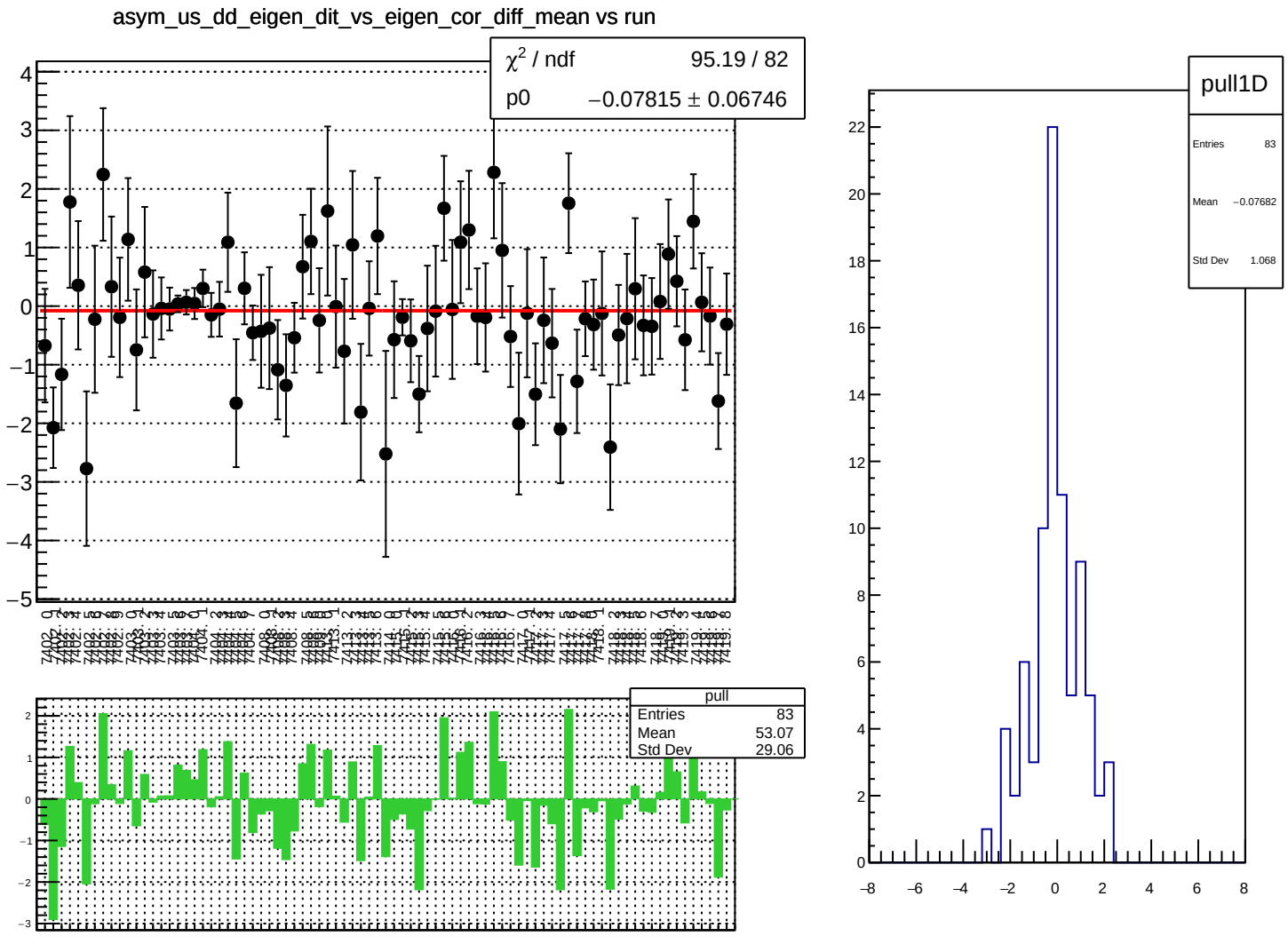

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.62 / 82
p0 1.364e−06 ± 3.586e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 543.3
Std Dev 0
2
1
0
−1
−2

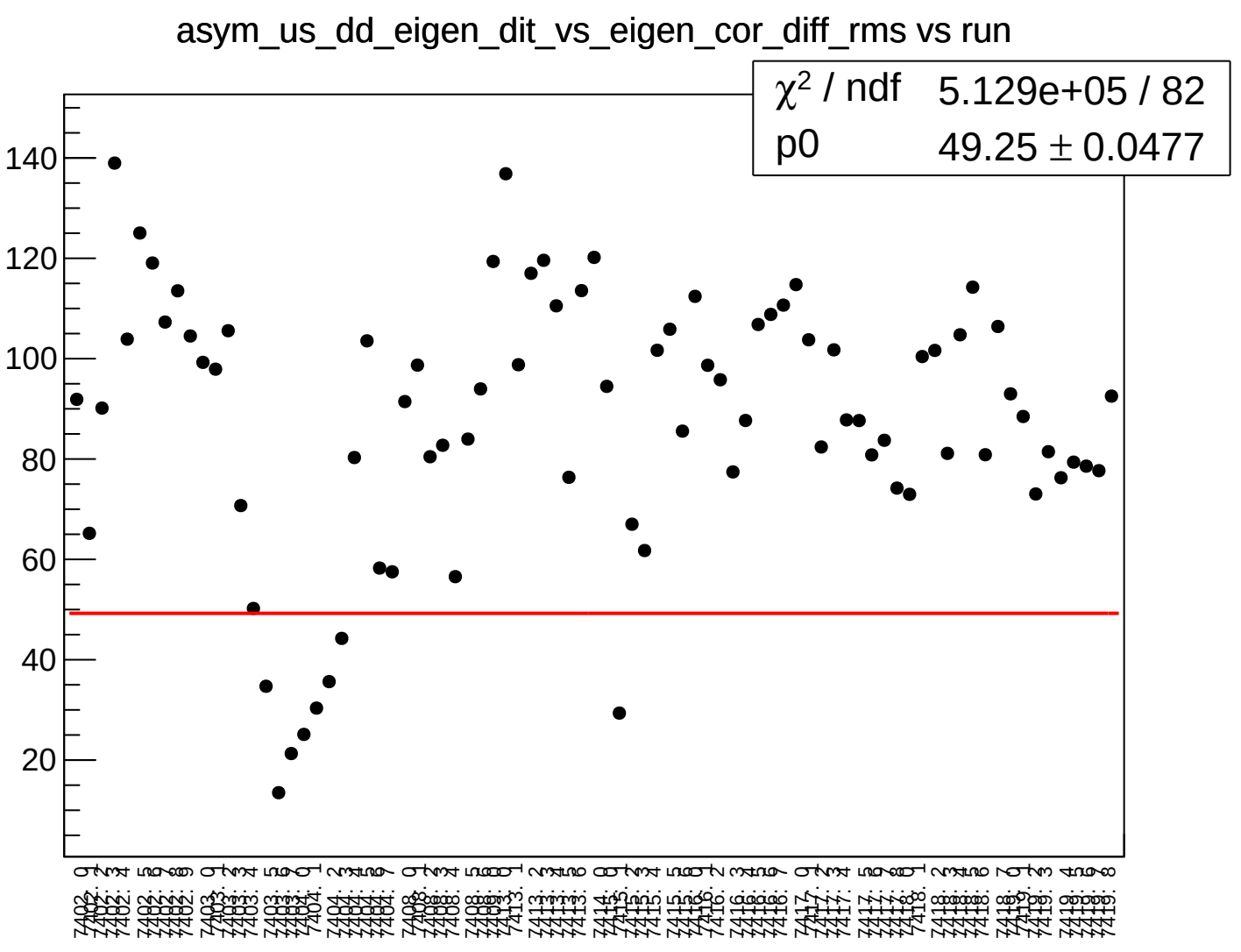

pull1D
Entries 83
Mean 0.0048
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

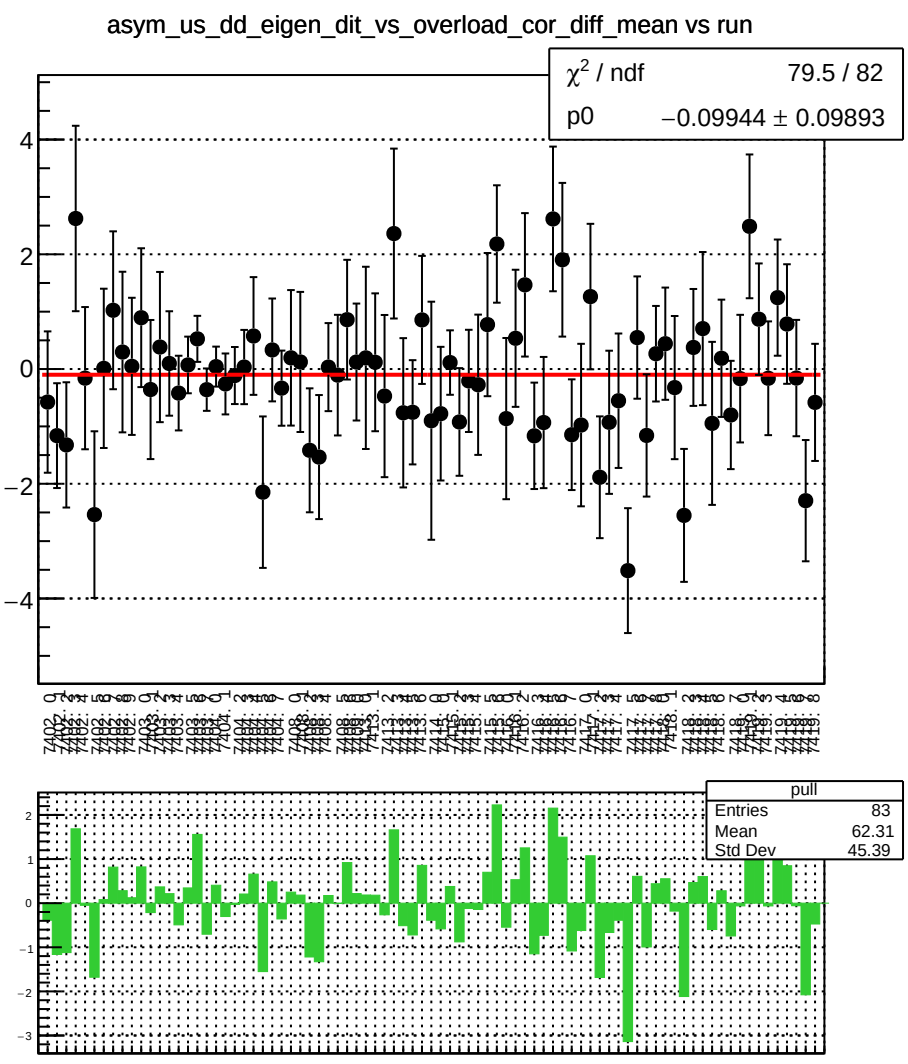

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.568e+04 / 82
p0 0.00316 ± 2.536e–06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

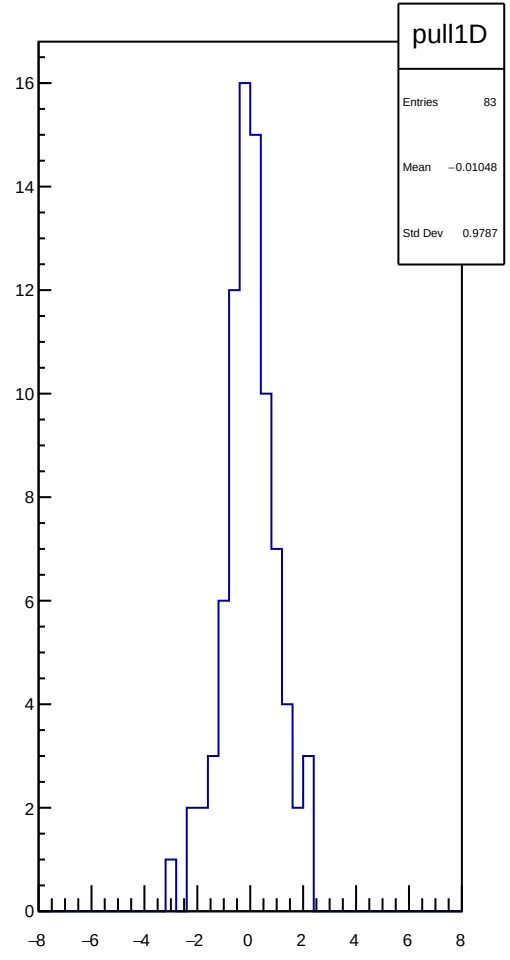

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.19 / 82
p0 −0.07815 ± 0.06746
pull
Entries 83
Mean 53.07
Std Dev 29.06
pull1D
Entries 83
Mean −0.07682
Std Dev 1.068

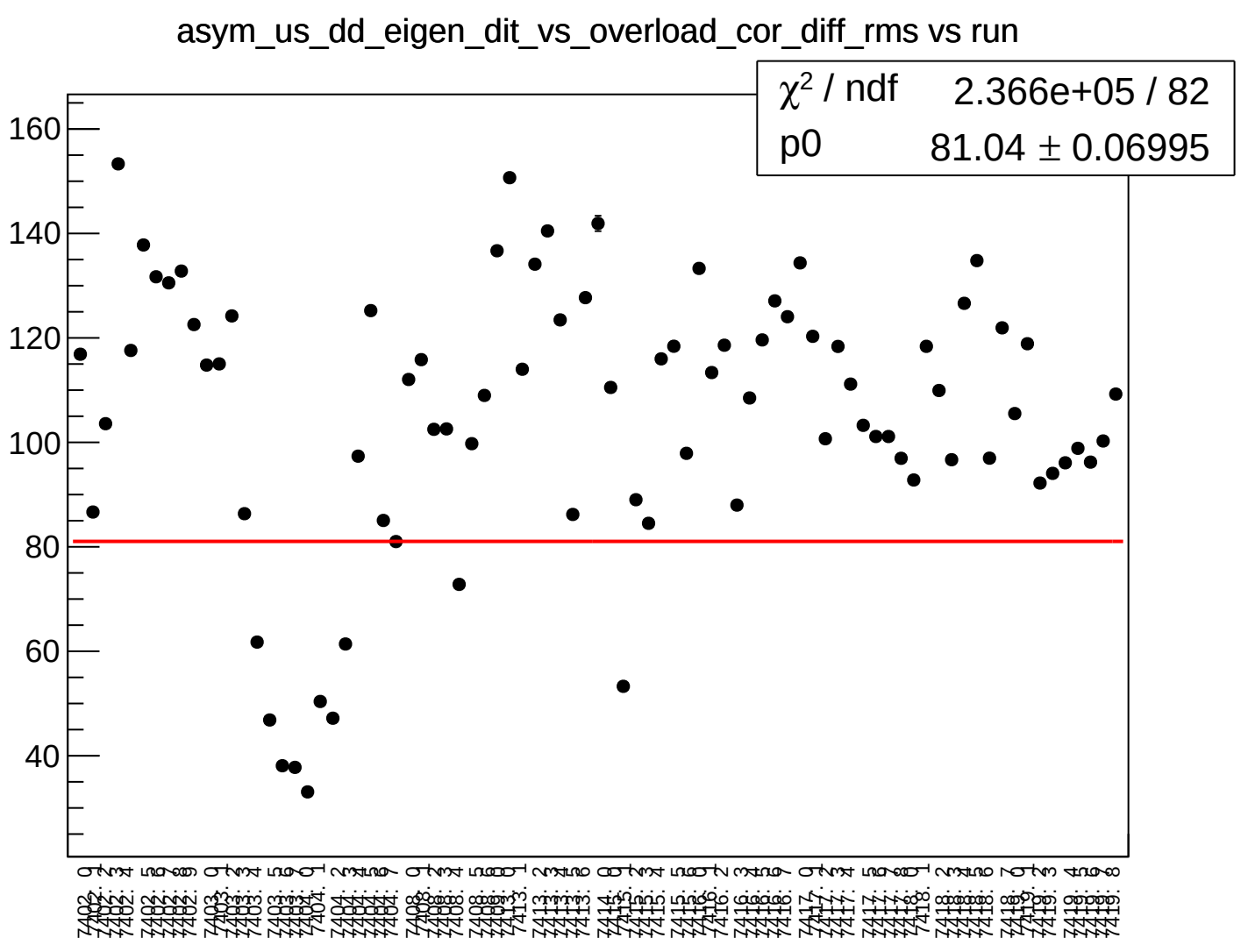

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.129e+05 / 82
p0 49.25 ± 0.0477
140
120
100
80
60
40
20

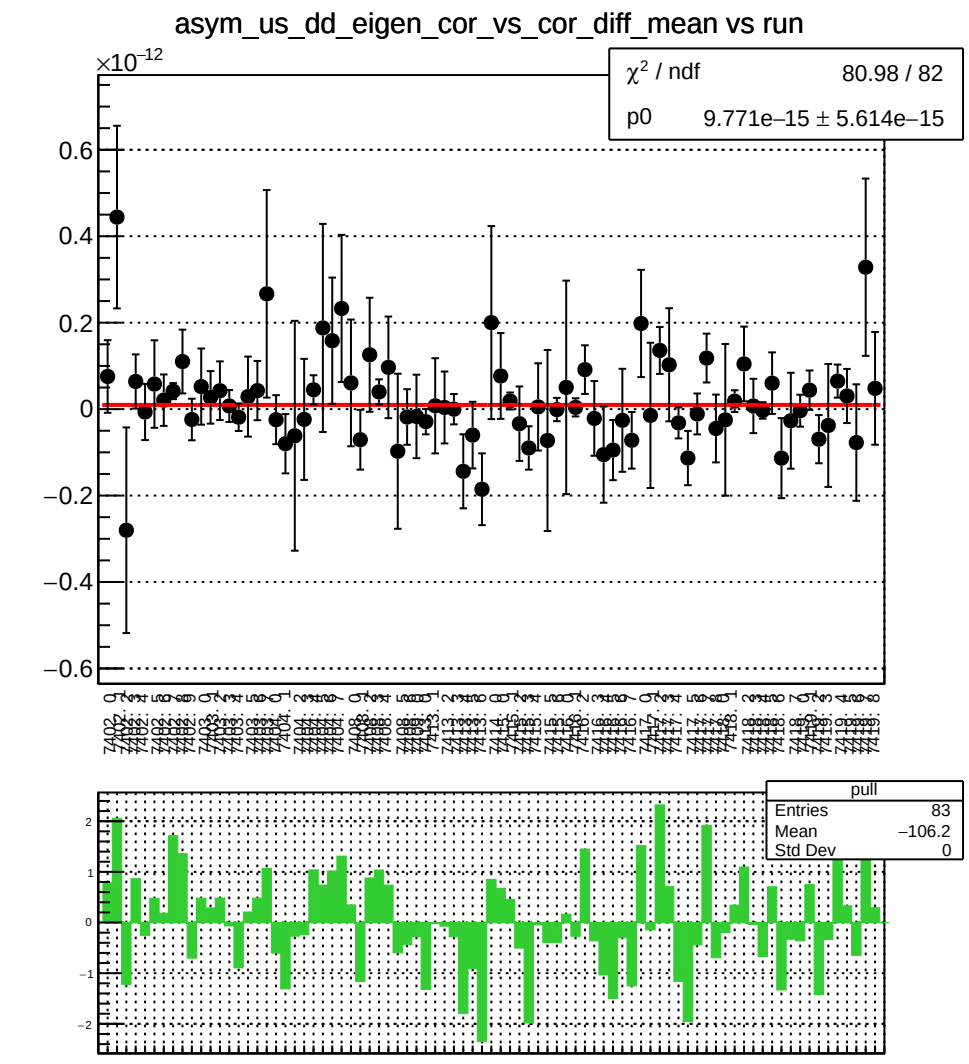

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.19 / 82
p0 −0.07815 ± 0.06746
pull
Entries 83
Mean 53.07
Std Dev 29.06
pull1D
Entries 83
Mean −0.07682
Std Dev 1.068

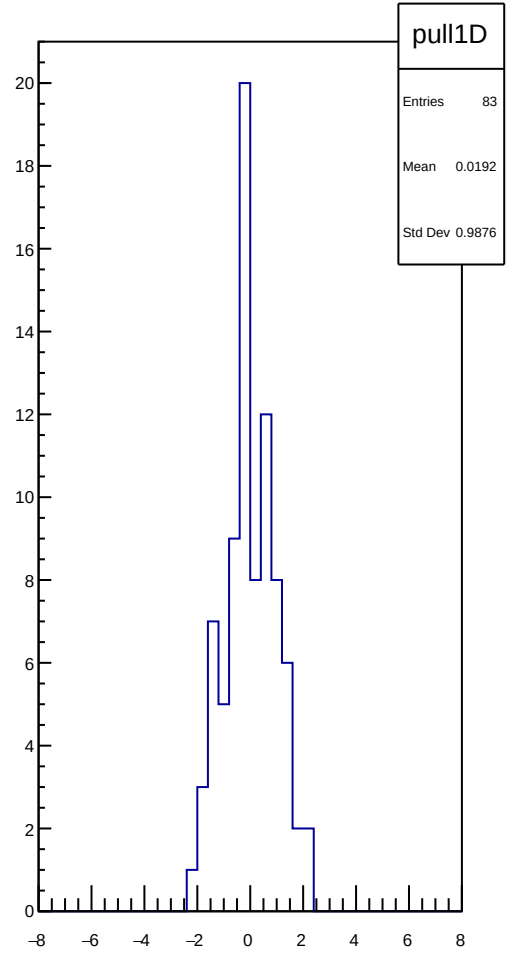

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.129e+05 / 82
p0 49.25 ± 0.0477
140
120
100
80
60
40
20

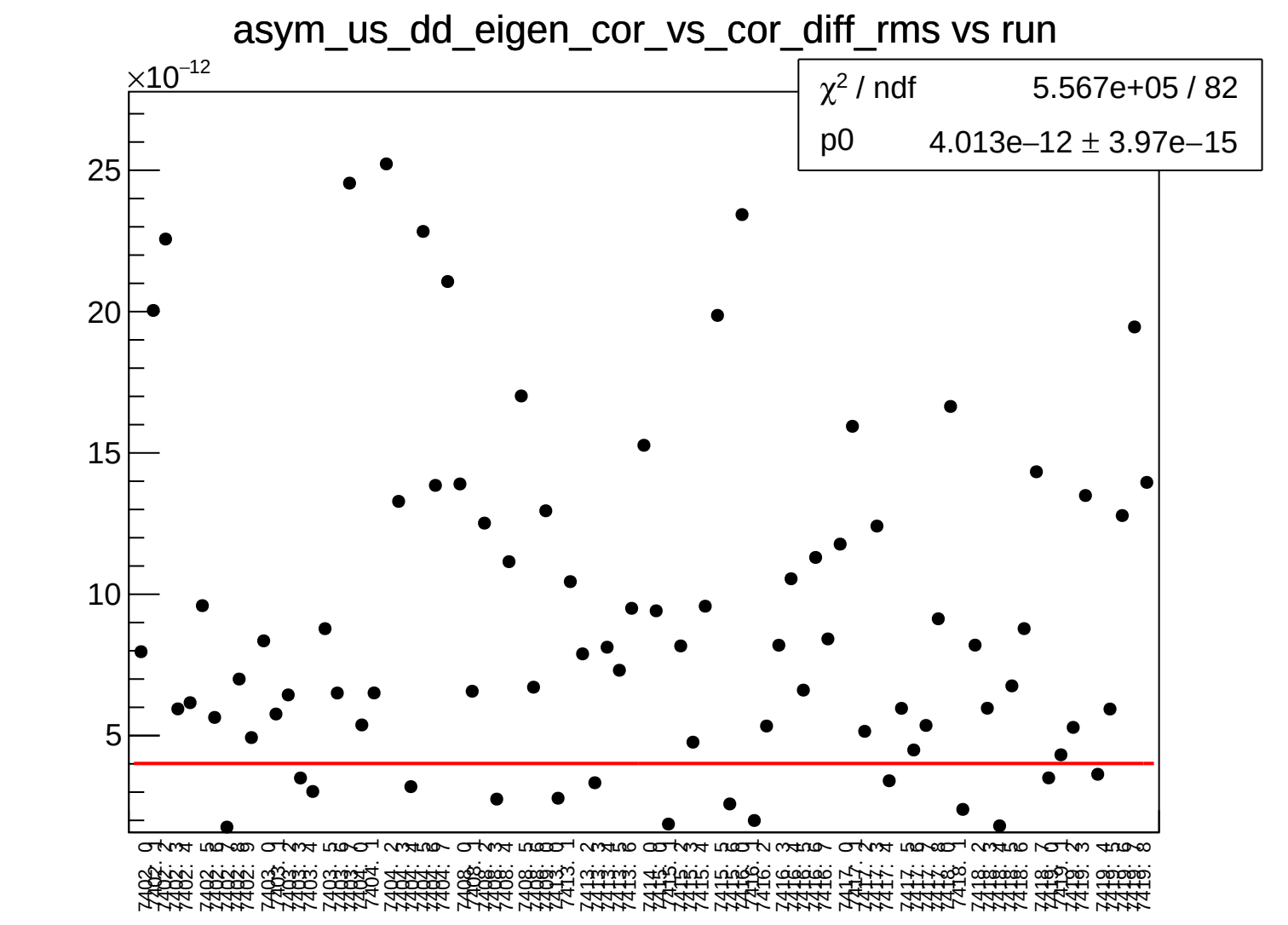

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 79.5 / 82
p0 −0.09944 ± 0.09893
pull
Entries 83
Mean 62.31
Std Dev 45.39

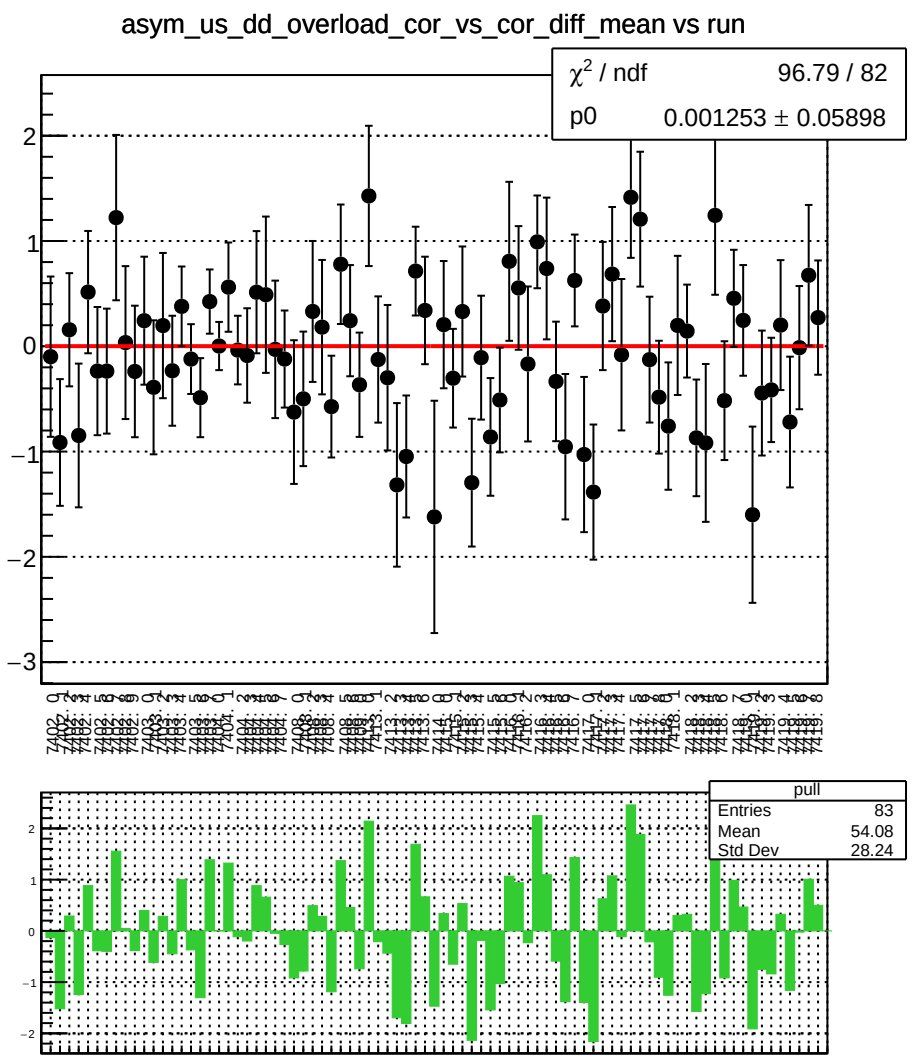

pull1D
Entries 83
Mean −0.01048
Std Dev 0.9787

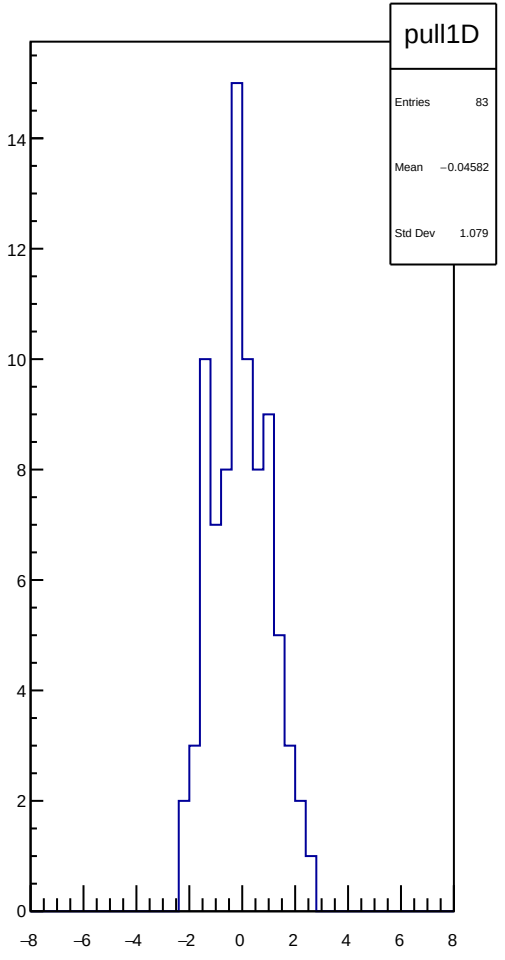

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.366e+05 / 82
p0 81.04 ± 0.06995
160
140
120
100
80
60
40

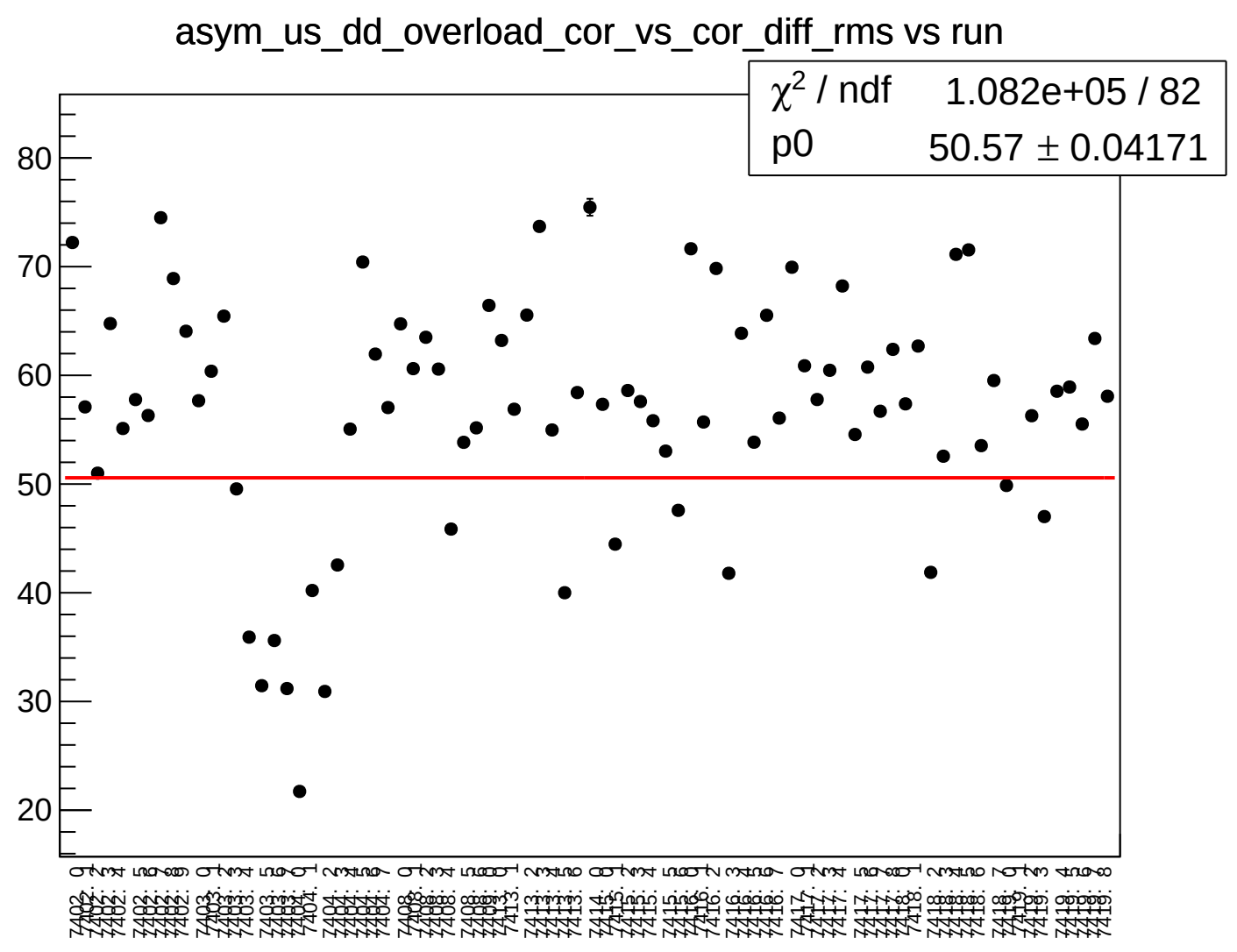

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.98 / 82
p0 9.771e−15 ± 5.614e−15
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 83
Mean −106.2
Std Dev 0
2
1
0
−1
−2

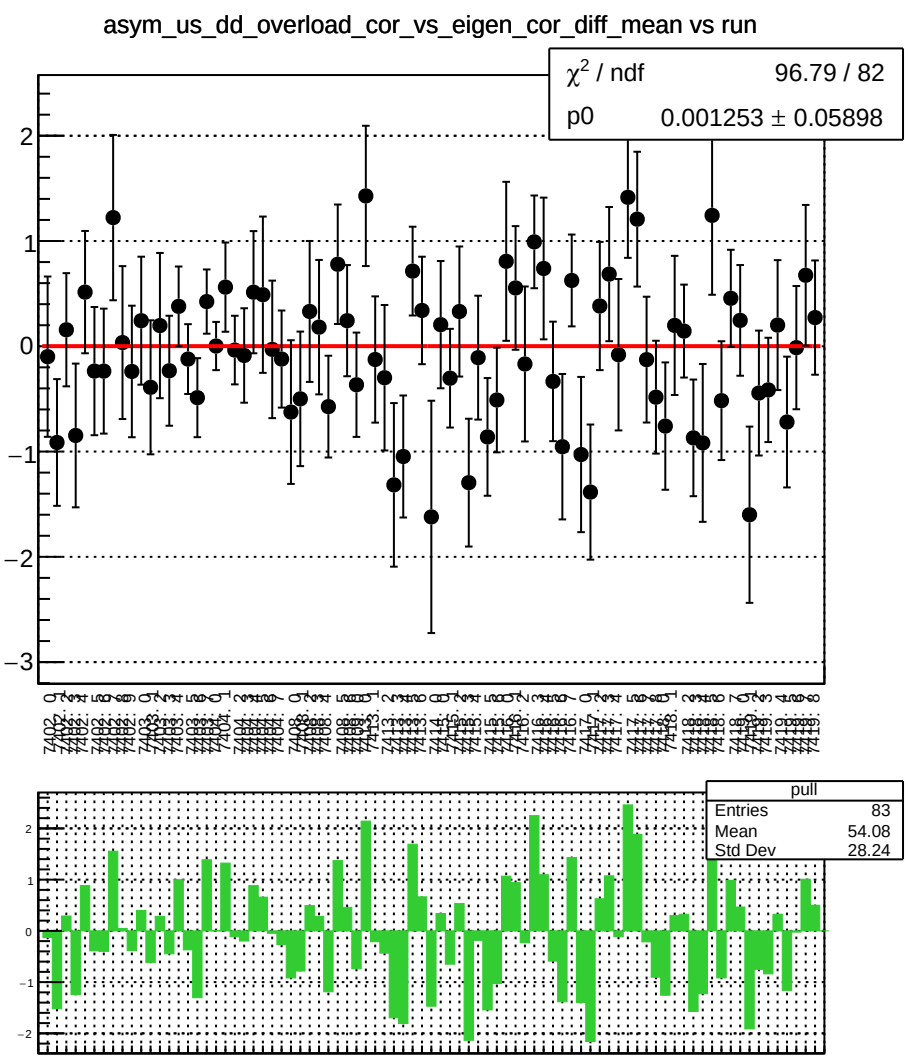

pull1D
Entries 83
Mean 0.0192
Std Dev 0.9876
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

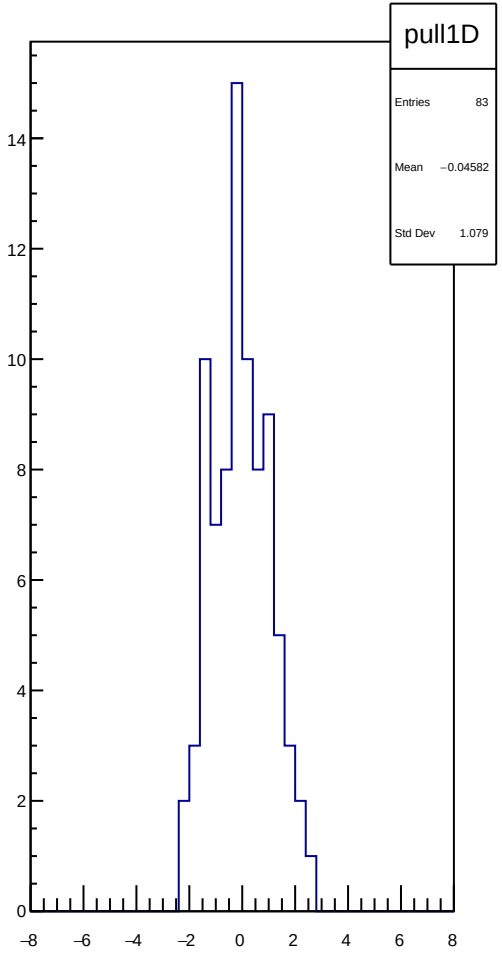

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.567e+05 / 82
p0 4.013e−12 ± 3.97e−15
25
20
15
10
5

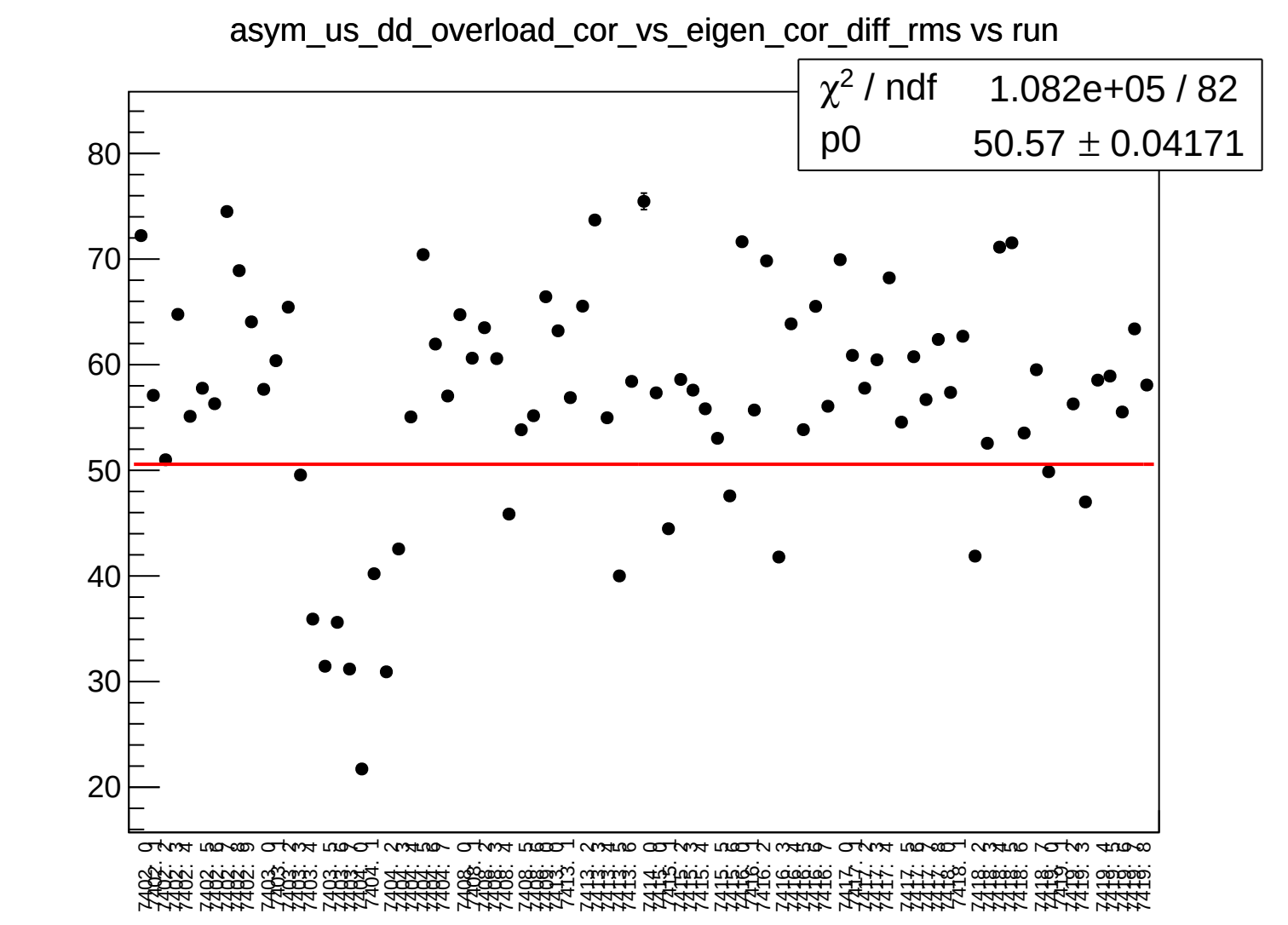

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 96.79 / 82
p0 0.001253 ± 0.05898
pull
Entries 83
Mean 54.08
Std Dev 28.24

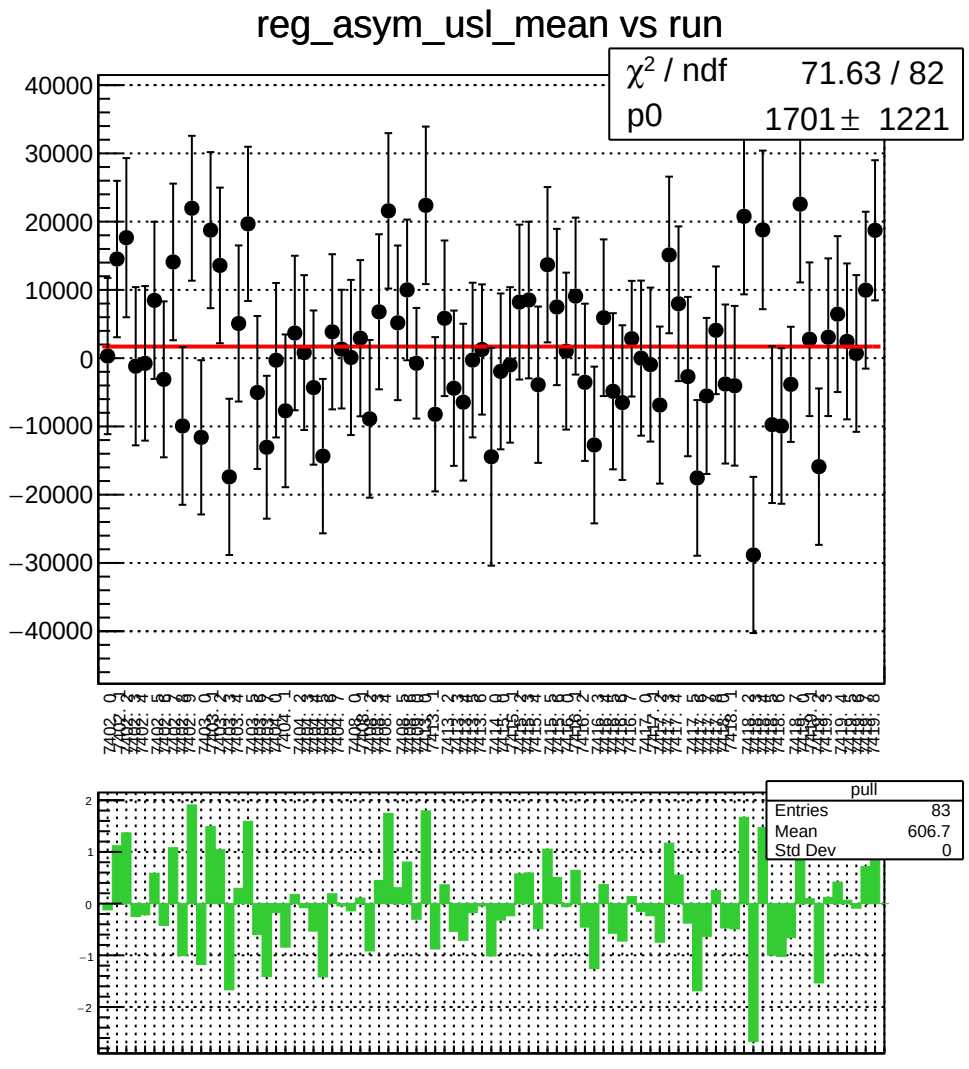

pull1D
Entries 83
Mean −0.04582
Std Dev 1.079

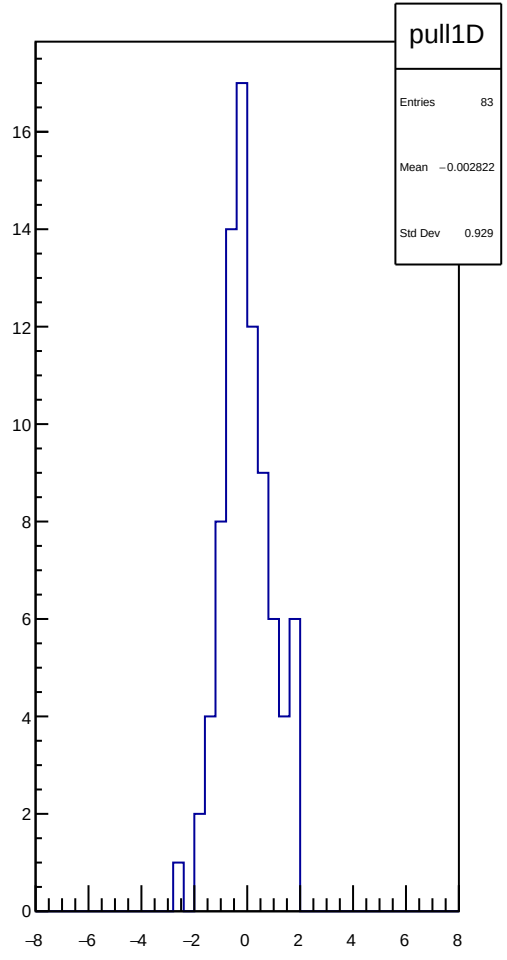

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.082e+05 / 82
p0 50.57 ± 0.04171
80
70
60
50
40
30
20

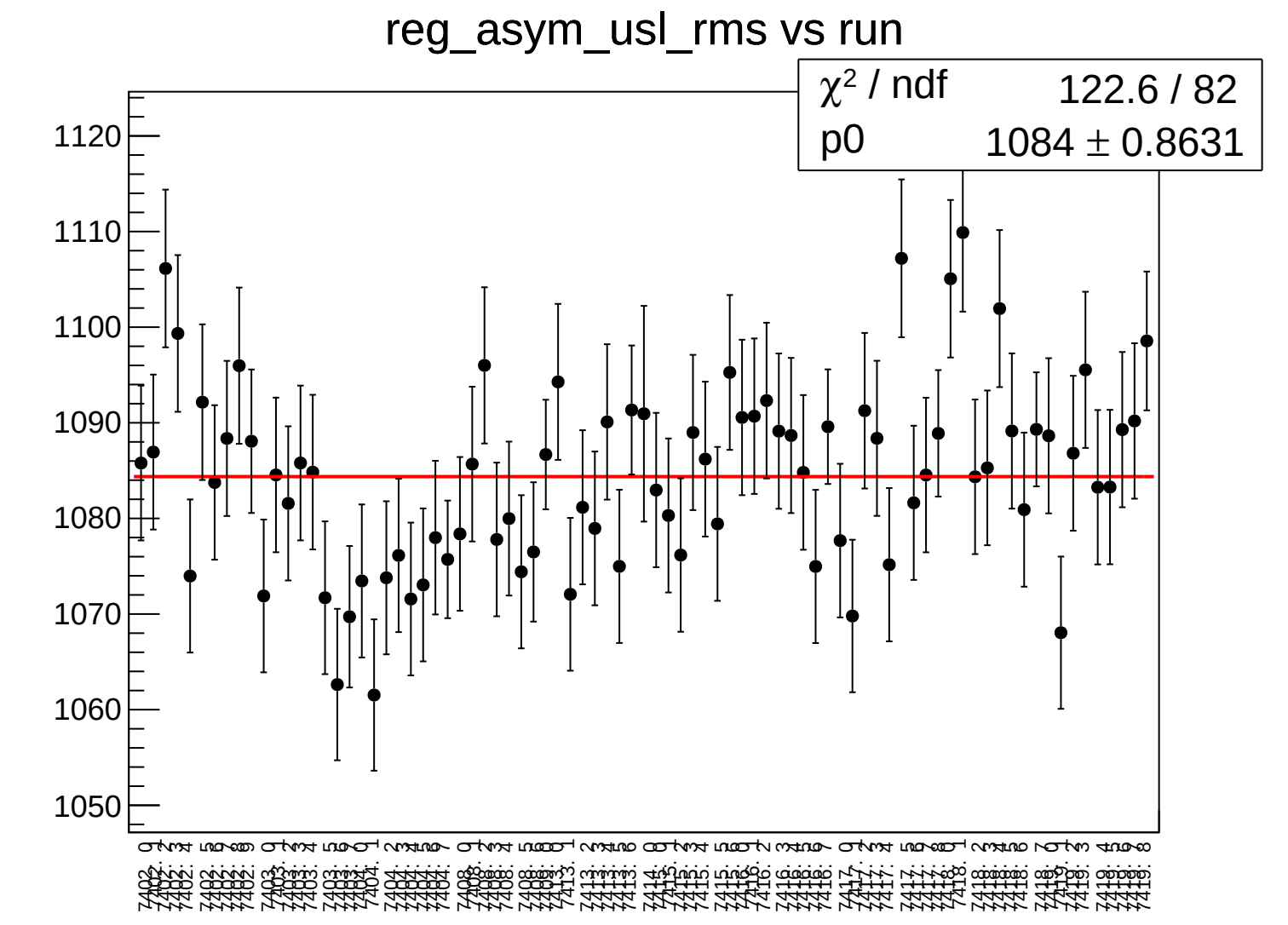

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.79 / 82
p0 0.001253 ± 0.05898
pull
Entries 83
Mean 54.08
Std Dev 28.24

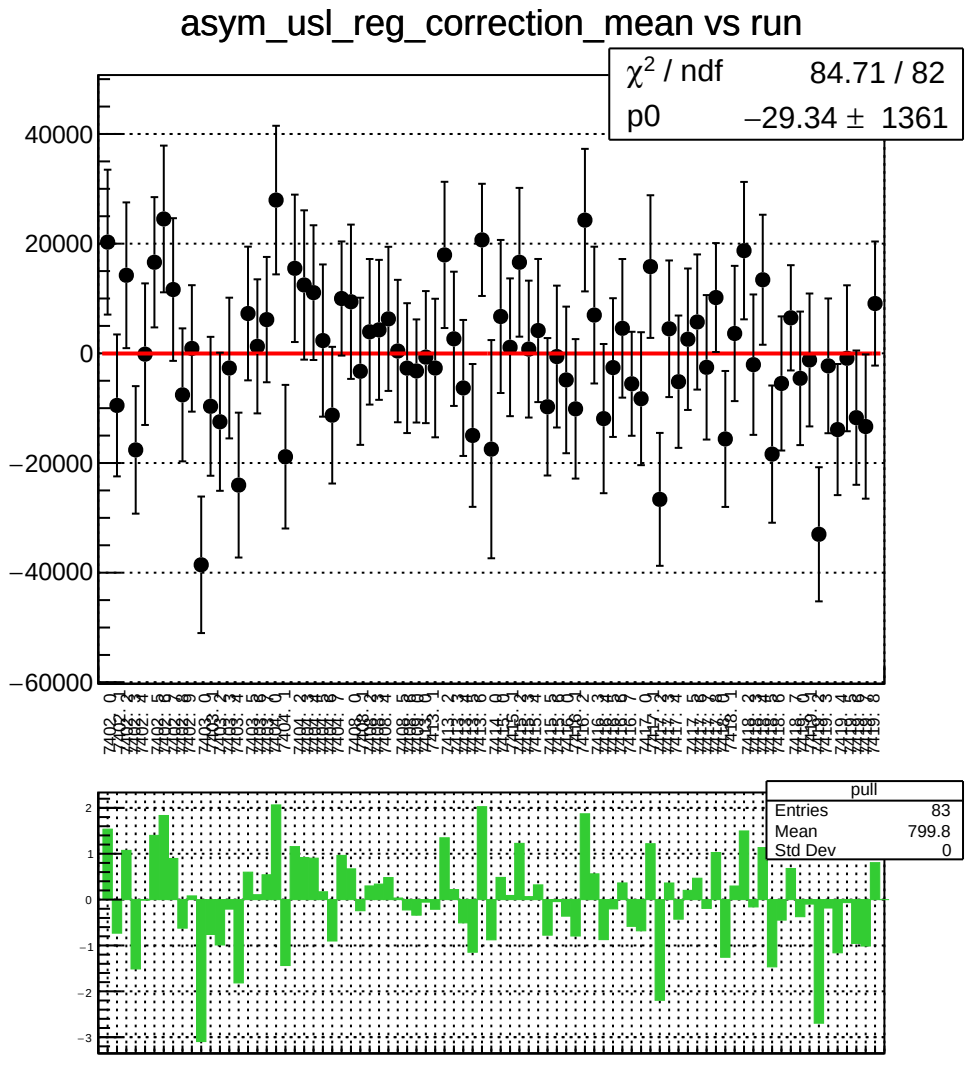

pull1D
Entries 83
Mean −0.04582
Std Dev 1.079

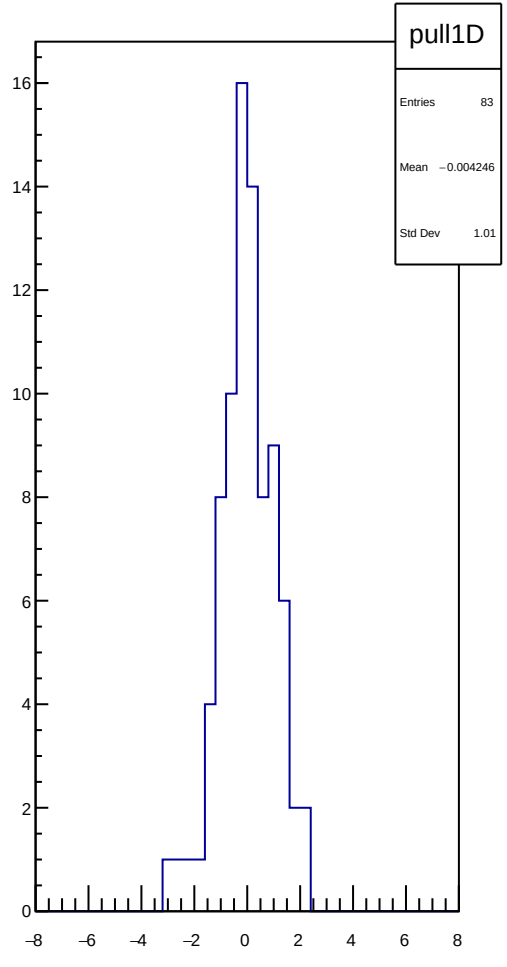

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.082e+05 / 82
p0 50.57 ± 0.04171
80
70
60
50
40
30
20

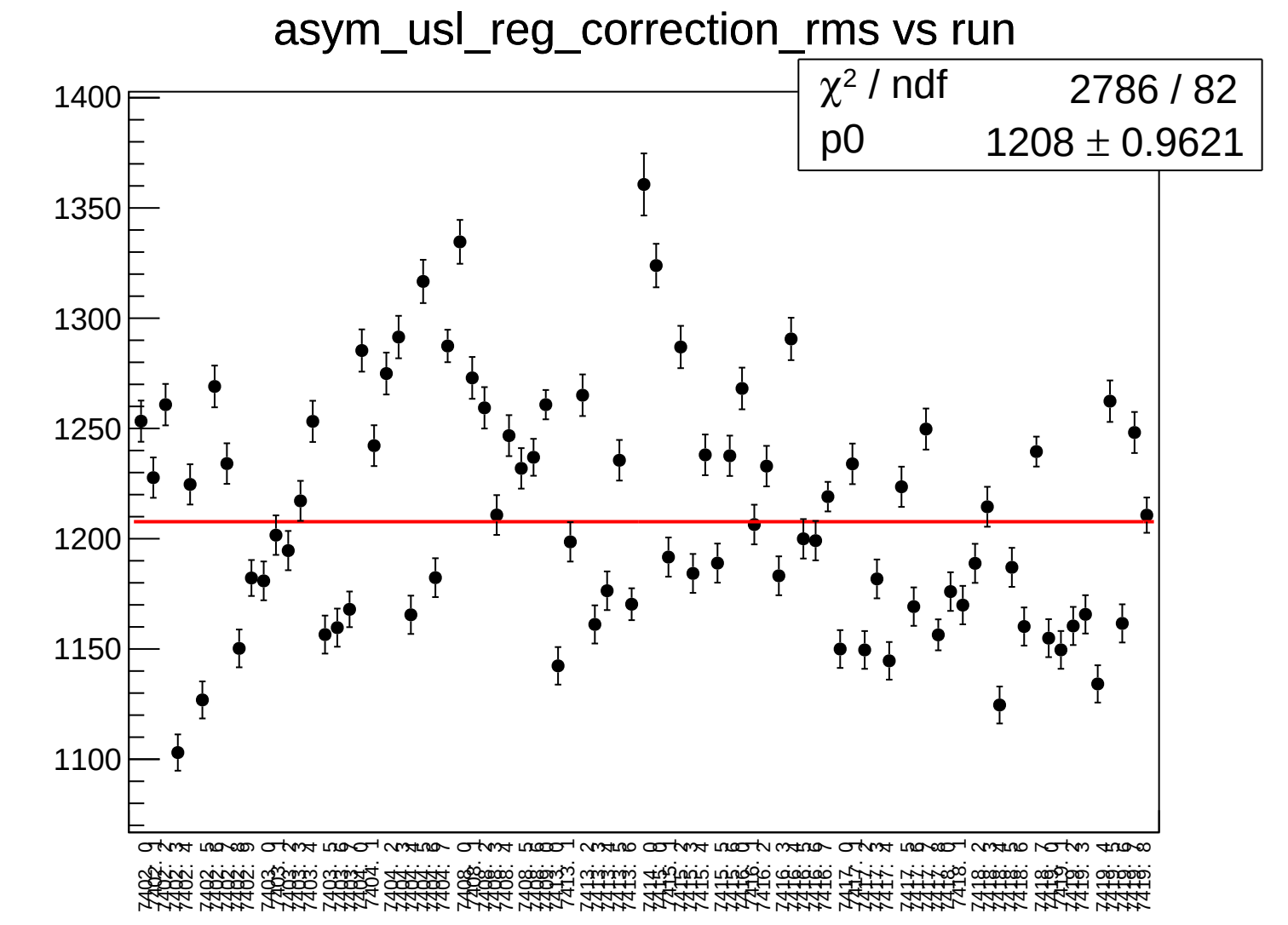

reg_asym_usl_mean vs run
χ² / ndf 71.63 / 82
p0 1701 ± 1221
pull
Entries 83
Mean 606.7
Std Dev 0

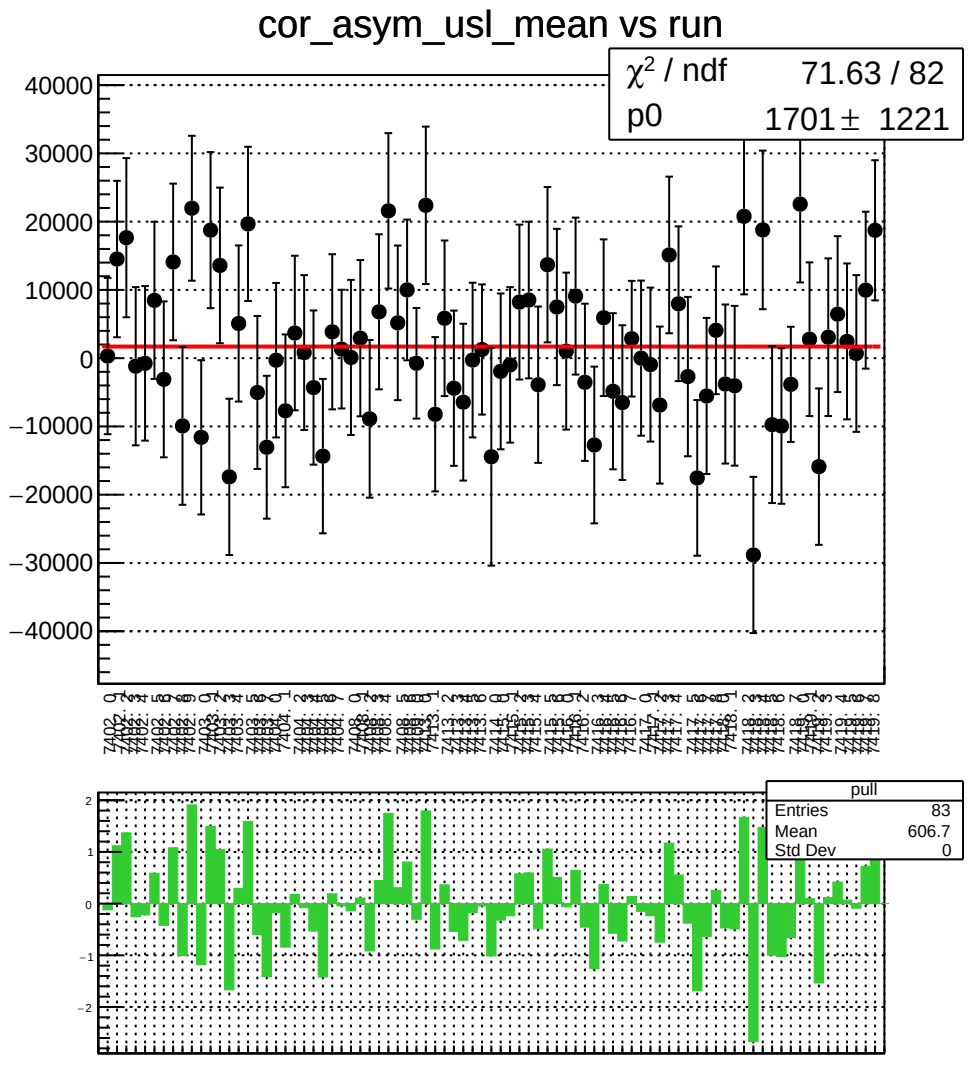

pull1D
Entries 83
Mean −0.002822
Std Dev 0.929

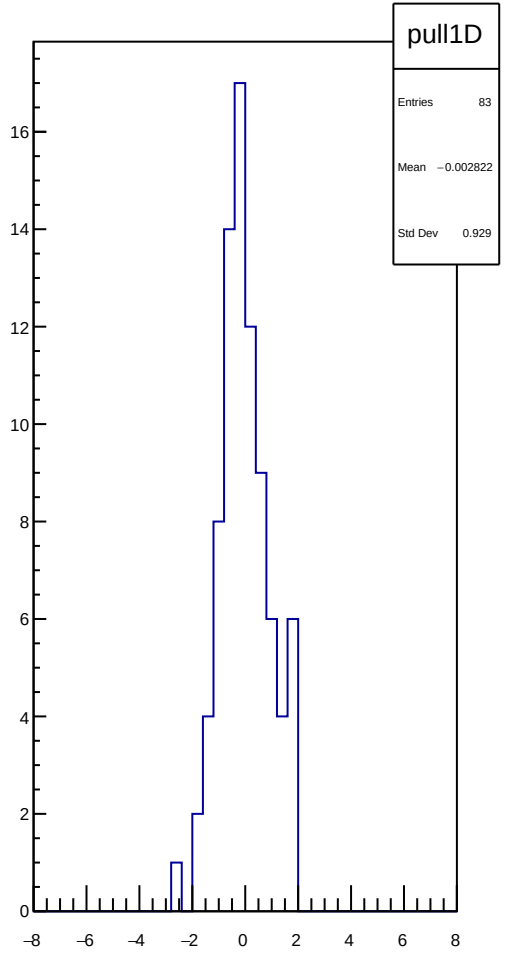

reg_asym_usl_rms vs run
χ² / ndf 122.6 / 82
p0 1084 ± 0.8631
1120
1110
1100
1090
1080
1070
1060
1050

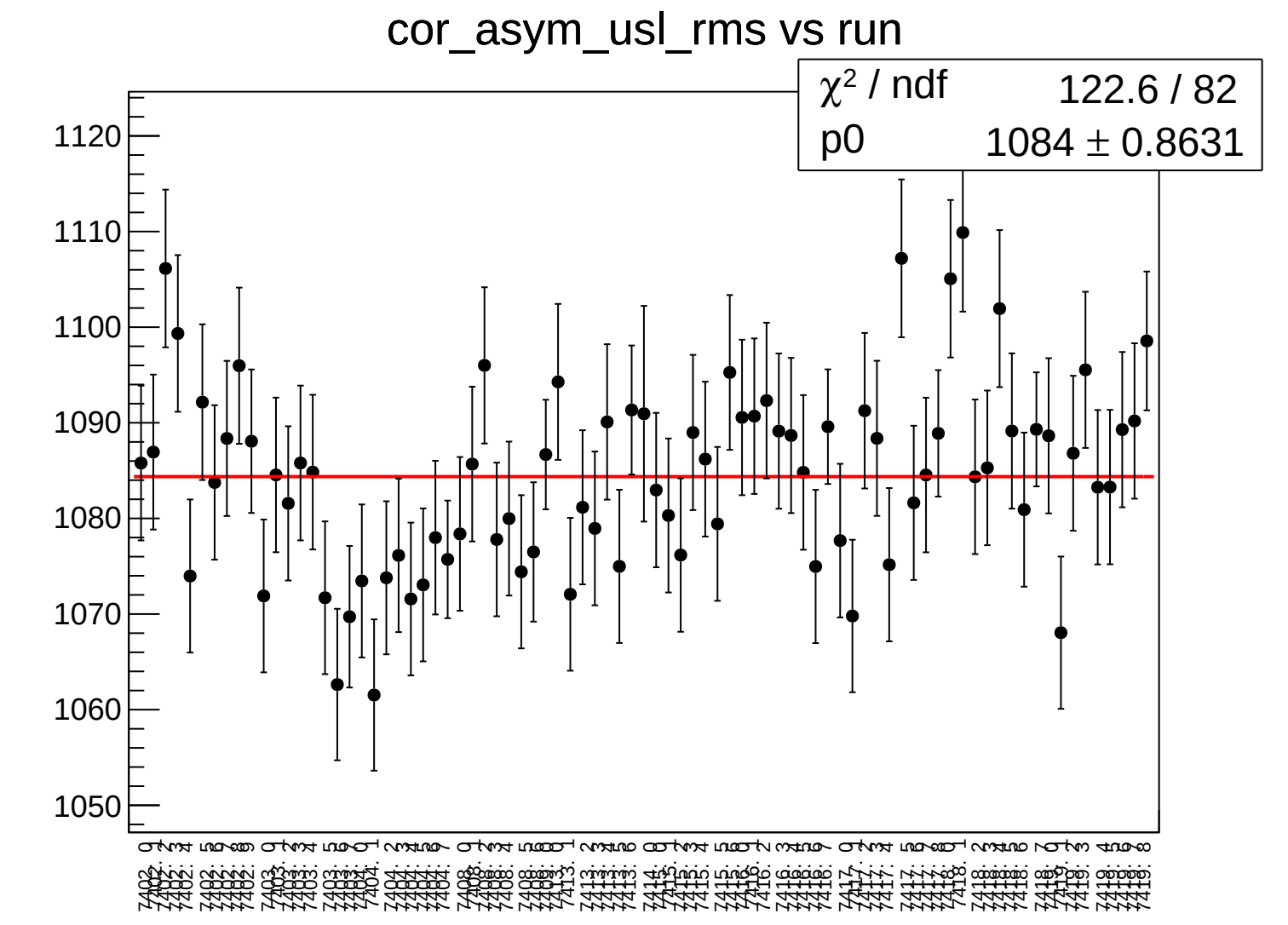

asym_usl_reg_correction_mean vs run
χ² / ndf 84.71 / 82
p0 −29.34 ± 1361
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 799.8
Std Dev 0
2
1
0
−1
−2
−3

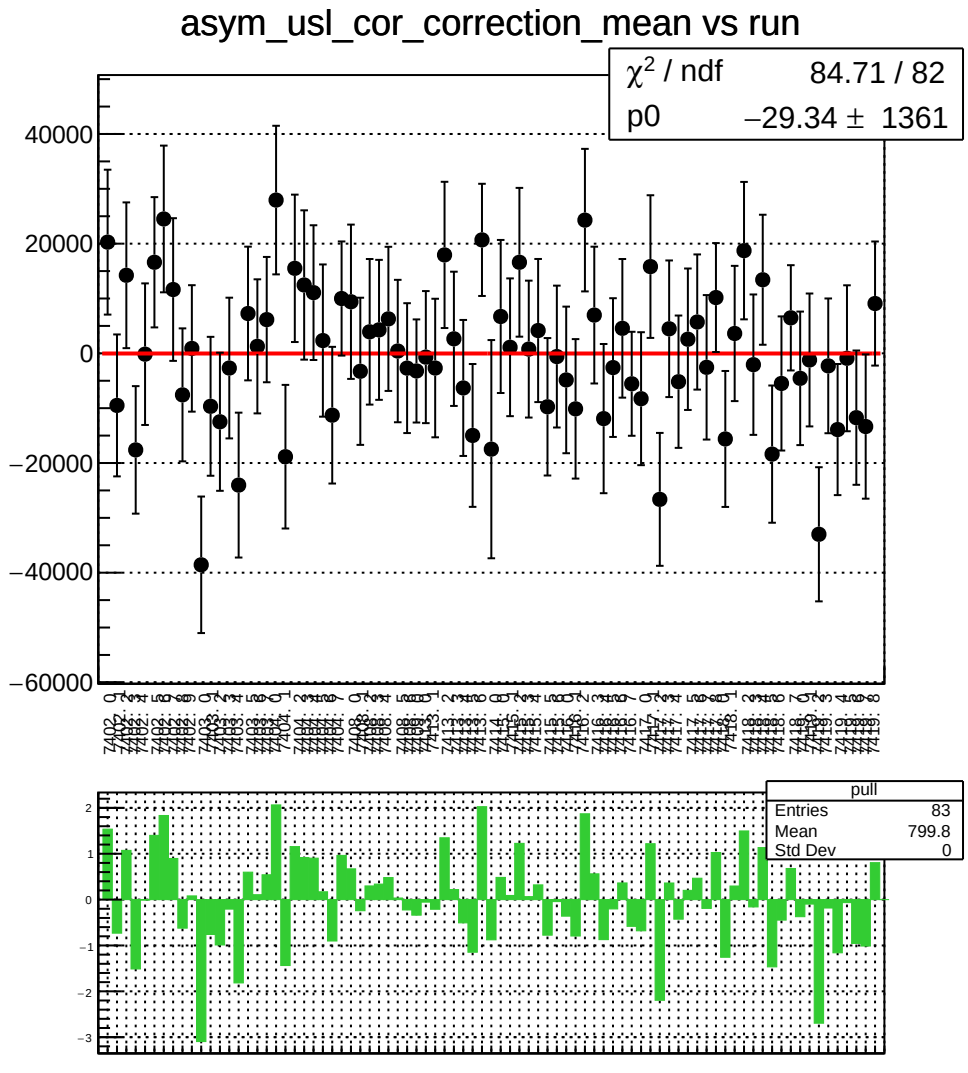

pull1D
Entries 83
Mean −0.004246
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

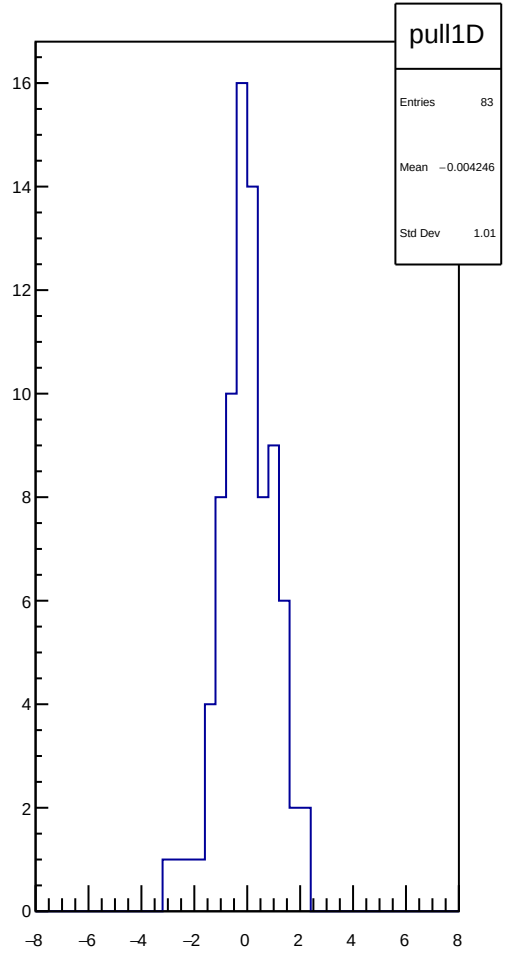

asym_usl_reg_correction_rms vs run
χ² / ndf 2786 / 82
p0 1208 ± 0.9621
1400
1350
1300
1250
1200
1150
1100

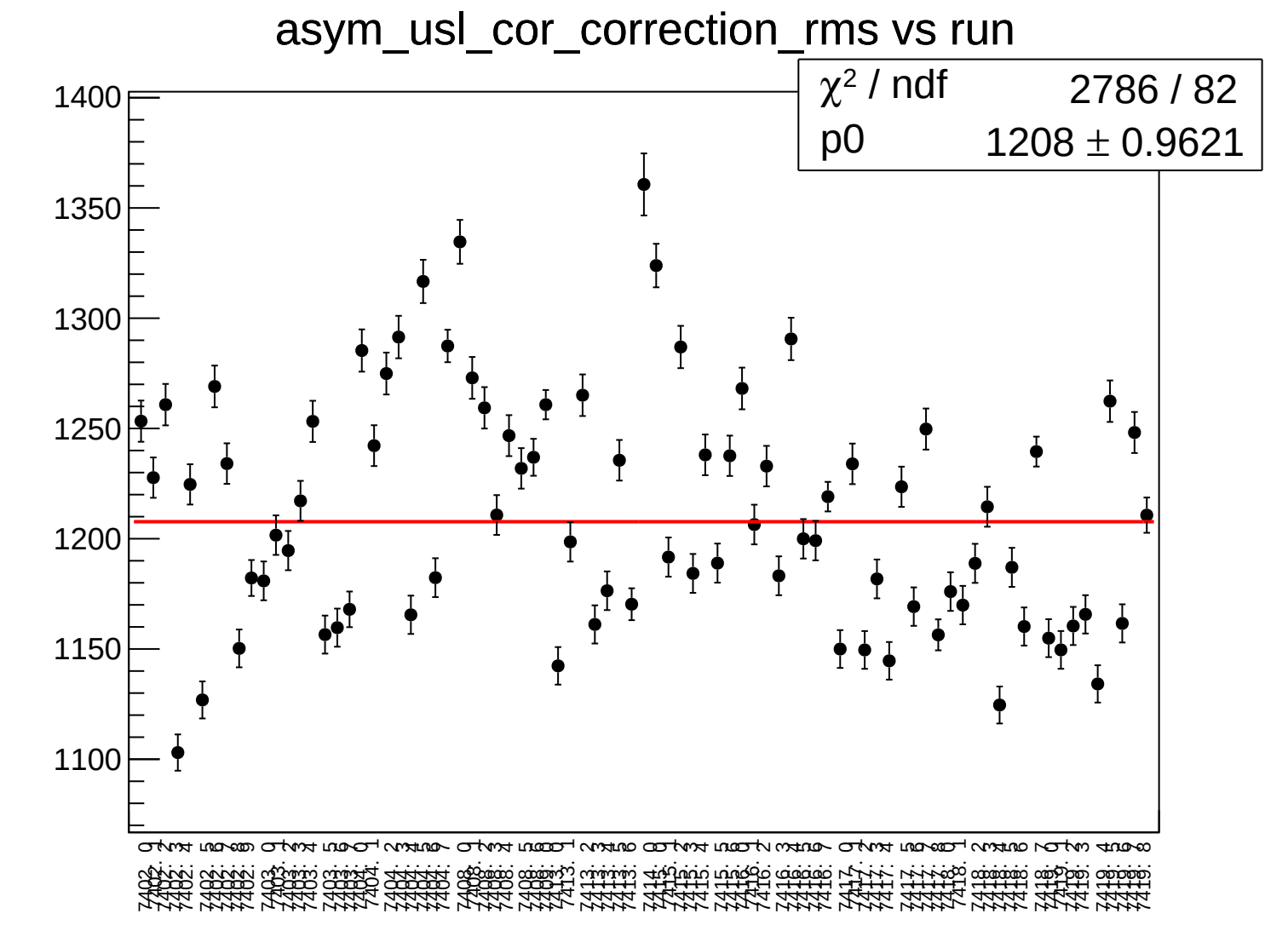

cor_asym_usl_mean vs run
χ² / ndf 71.63 / 82
p0 1701 ± 1221
pull
Entries 83
Mean 606.7
Std Dev 0

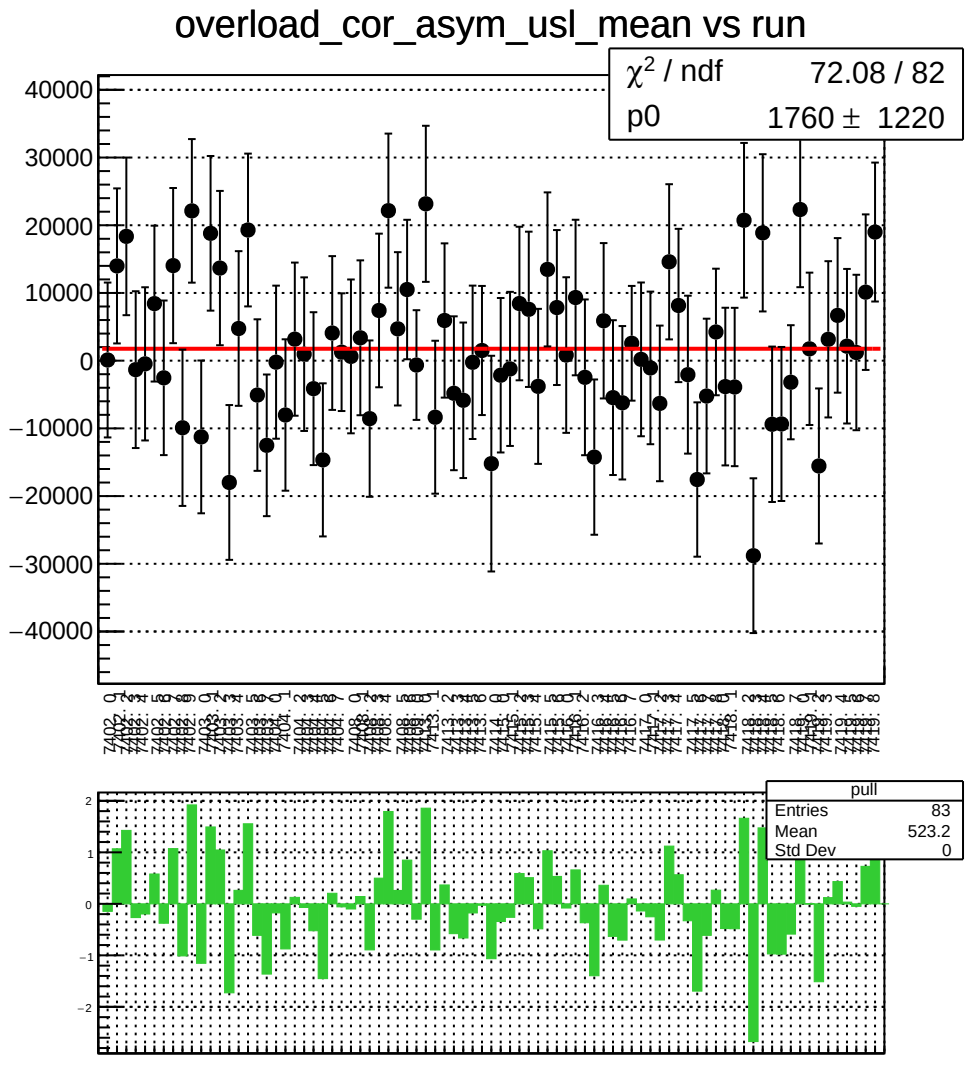

pull1D
Entries 83
Mean −0.002822
Std Dev 0.929

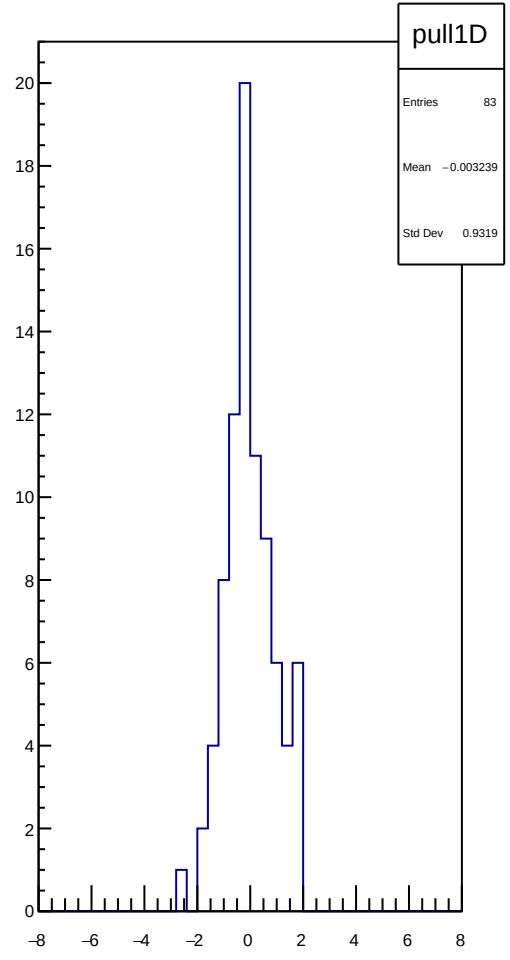

cor_asym_usl_rms vs run
χ² / ndf 122.6 / 82
p0 1084 ± 0.8631
1120
1110
1100
1090
1080
1070
1060
1050

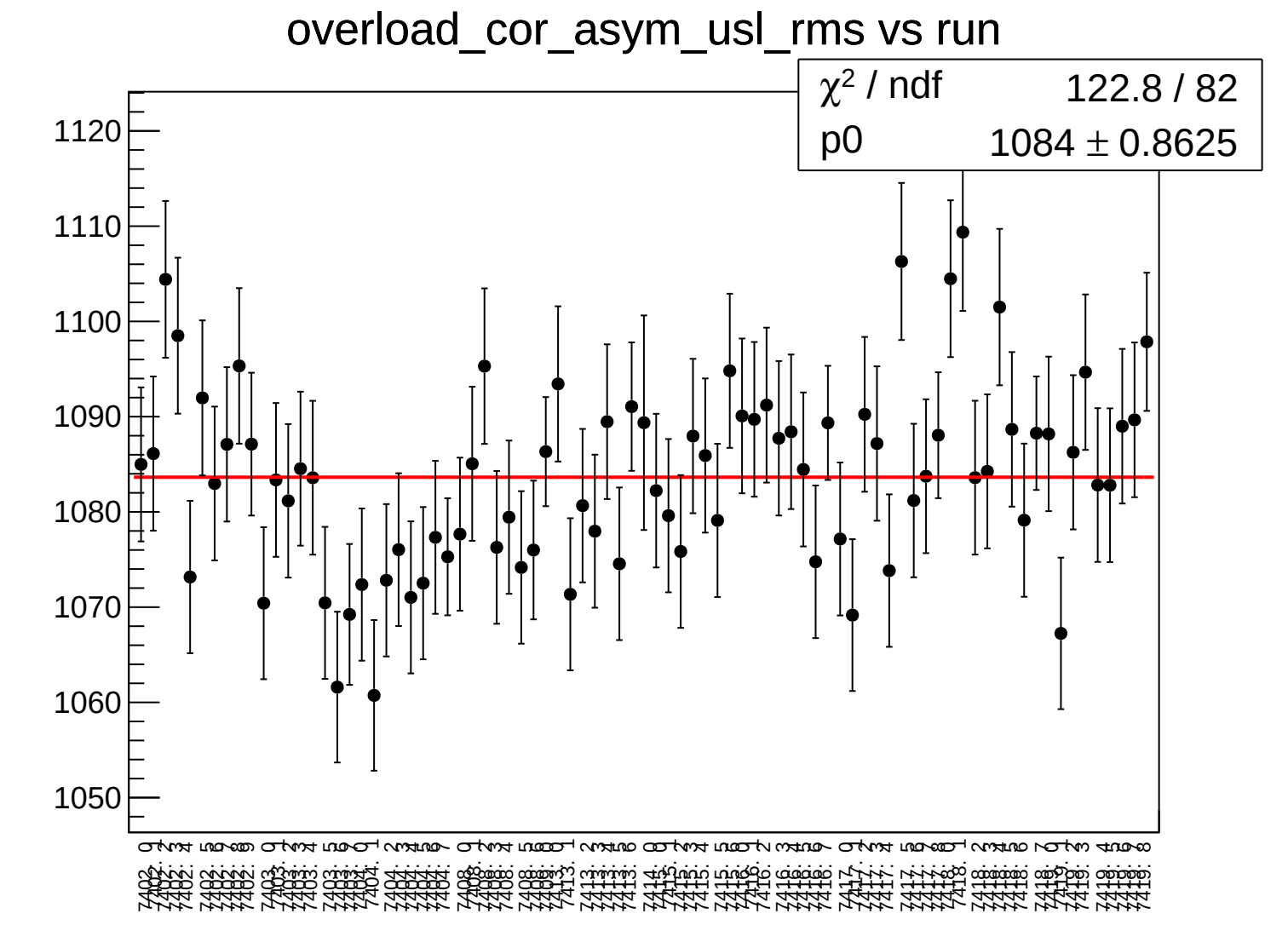

asym_usl_cor_correction_mean vs run
χ² / ndf 84.71 / 82
p0 −29.34 ± 1361
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 799.8
Std Dev 0
2
1
0
−1
−2
−3

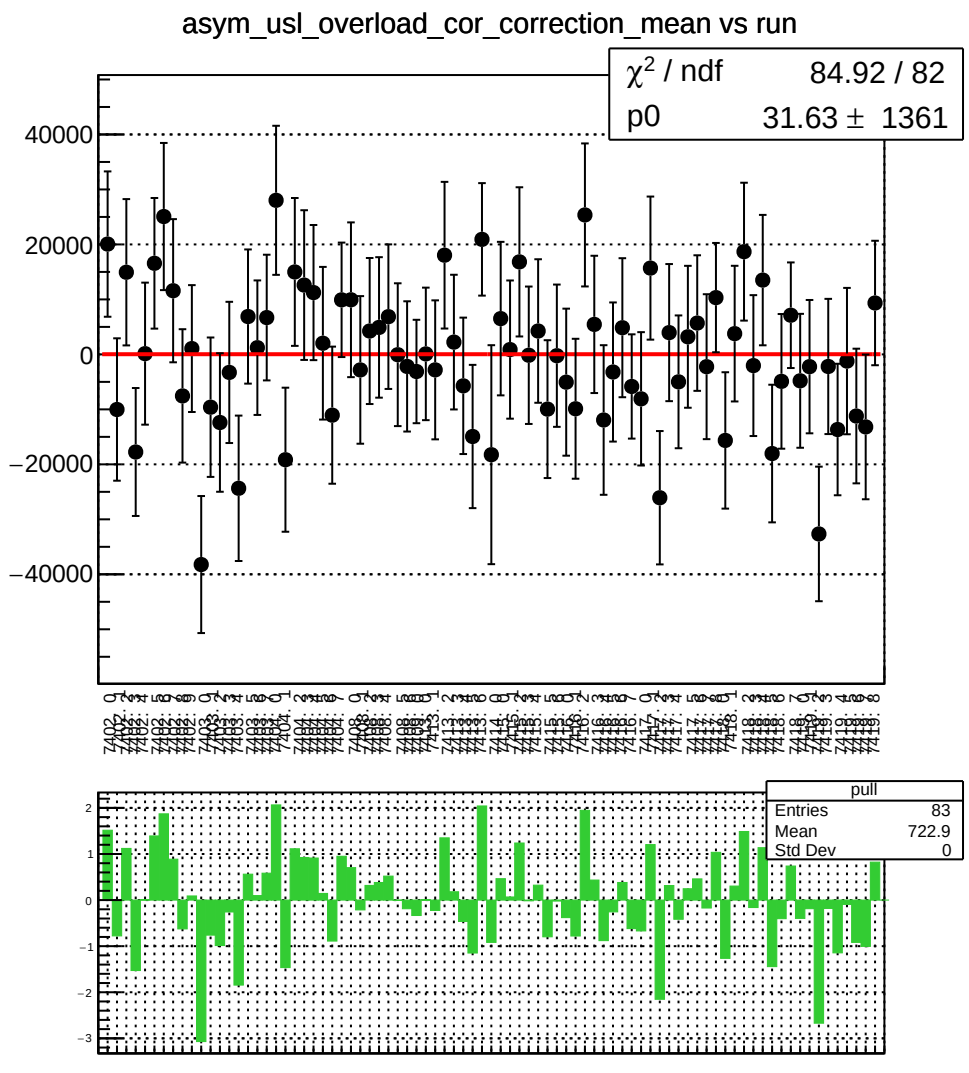

pull1D
Entries 83
Mean −0.004246
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

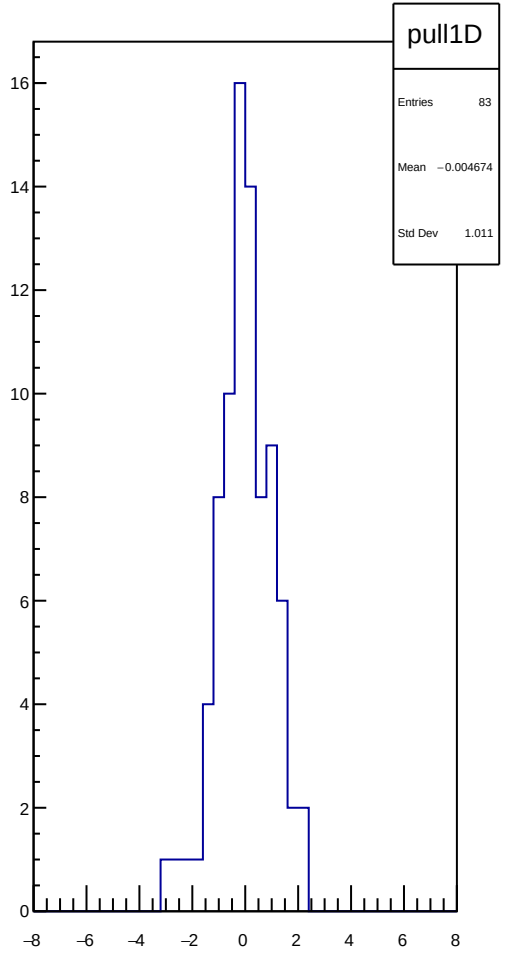

asym_usl_cor_correction_rms vs run
χ² / ndf 2786 / 82
p0 1208 ± 0.9621
1400
1350
1300
1250
1200
1150
1100

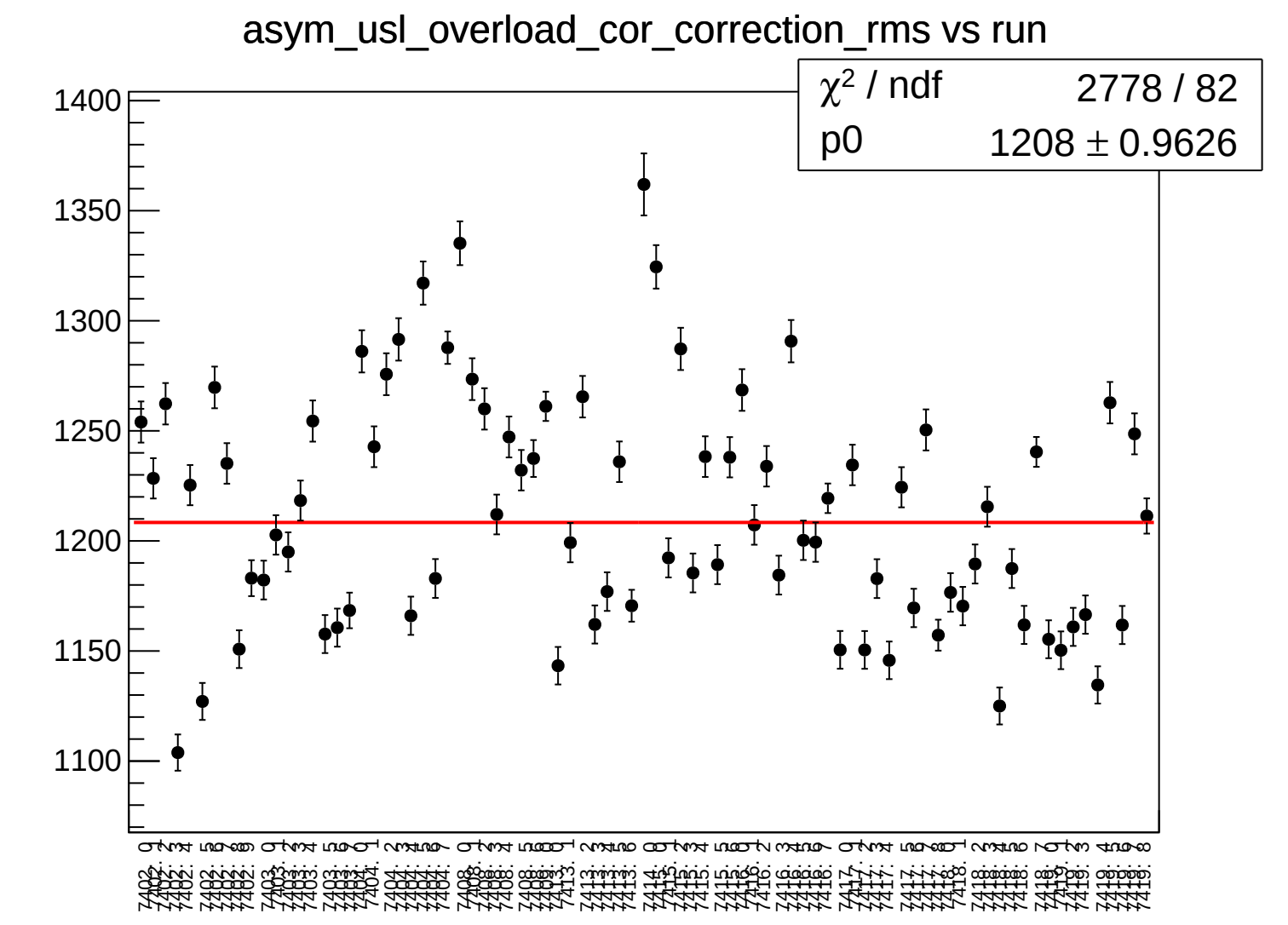

overload_cor_asym_usl_mean vs run
χ² / ndf 72.08 / 82
p0 1760 ± 1220
pull
Entries 83
Mean 523.2
Std Dev 0

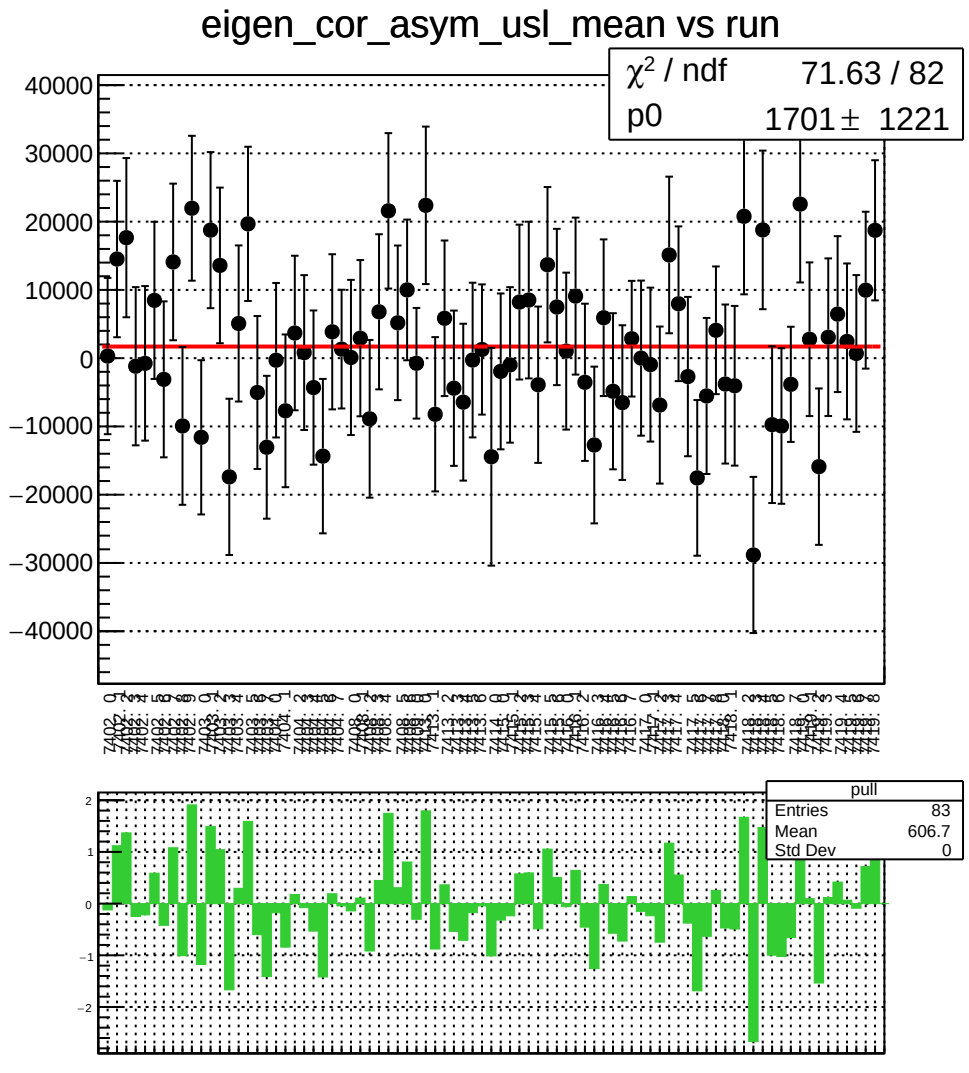

pull1D
Entries 83
Mean −0.003239
Std Dev 0.9319

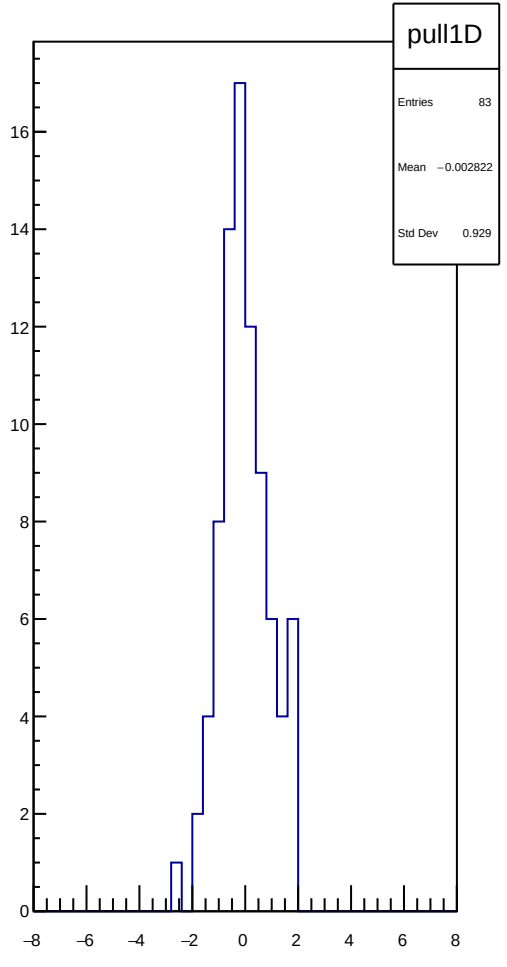

overload_cor_asym_usl_rms vs run
χ² / ndf 122.8 / 82
p0 1084 ± 0.8625
1120
1110
1100
1090
1080
1070
1060
1050

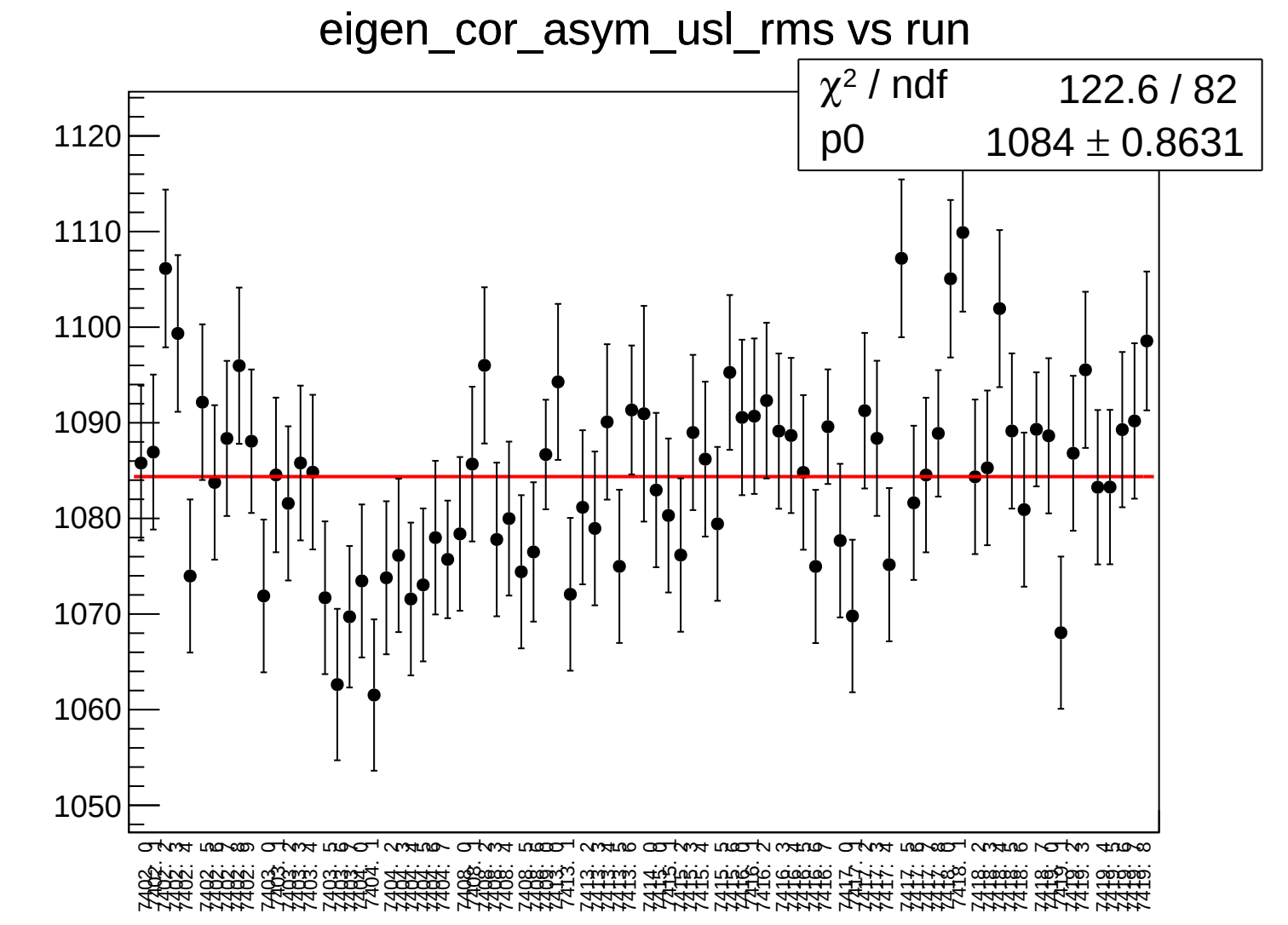

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 84.92 / 82
p0 31.63 ± 1361
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 722.9
Std Dev 0
2
1
0
−1
−2
−3

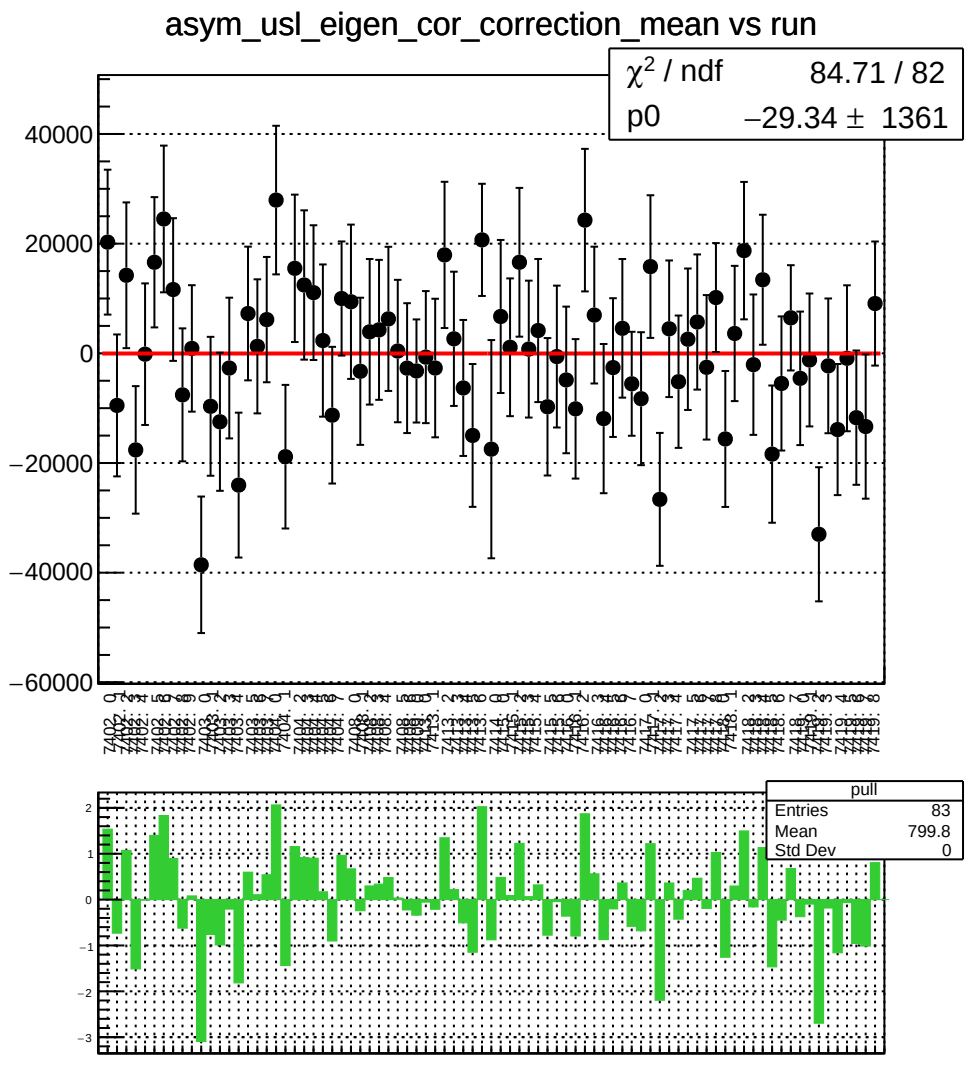

pull1D
Entries 83
Mean −0.004674
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

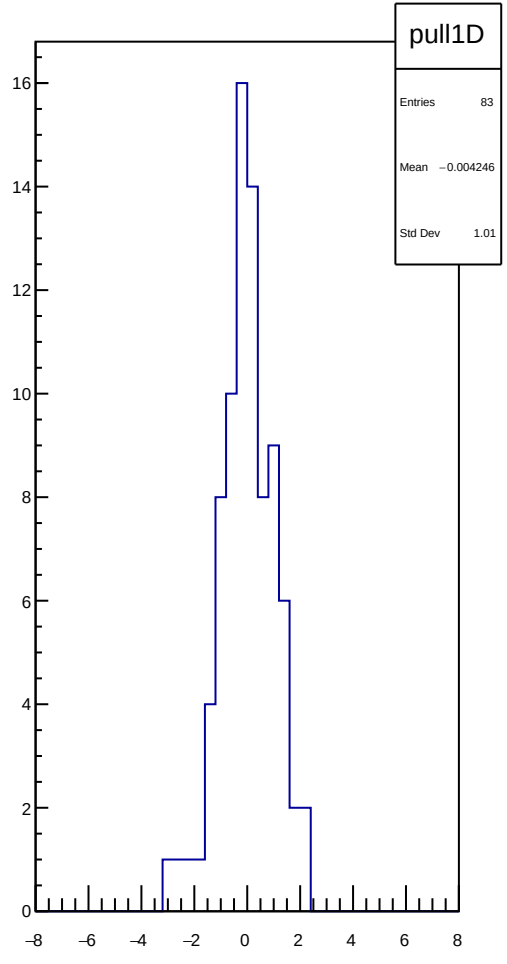

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2778 / 82
p0 1208 ± 0.9626
1400
1350
1300
1250
1200
1150
1100

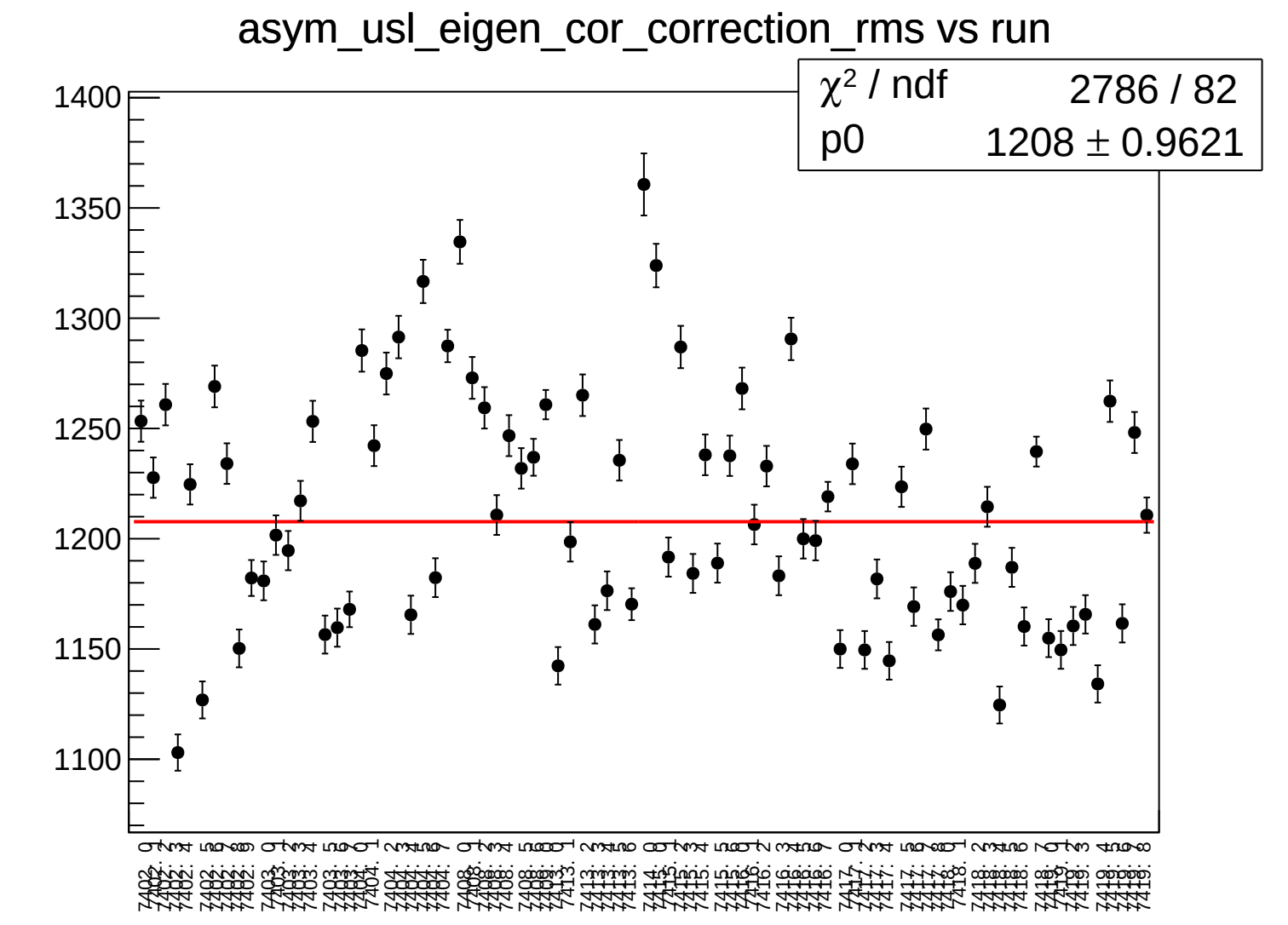

eigen_cor_asym_usl_mean vs run
χ² / ndf 71.63 / 82
p0 1701 ± 1221
pull
Entries 83
Mean 606.7
Std Dev 0

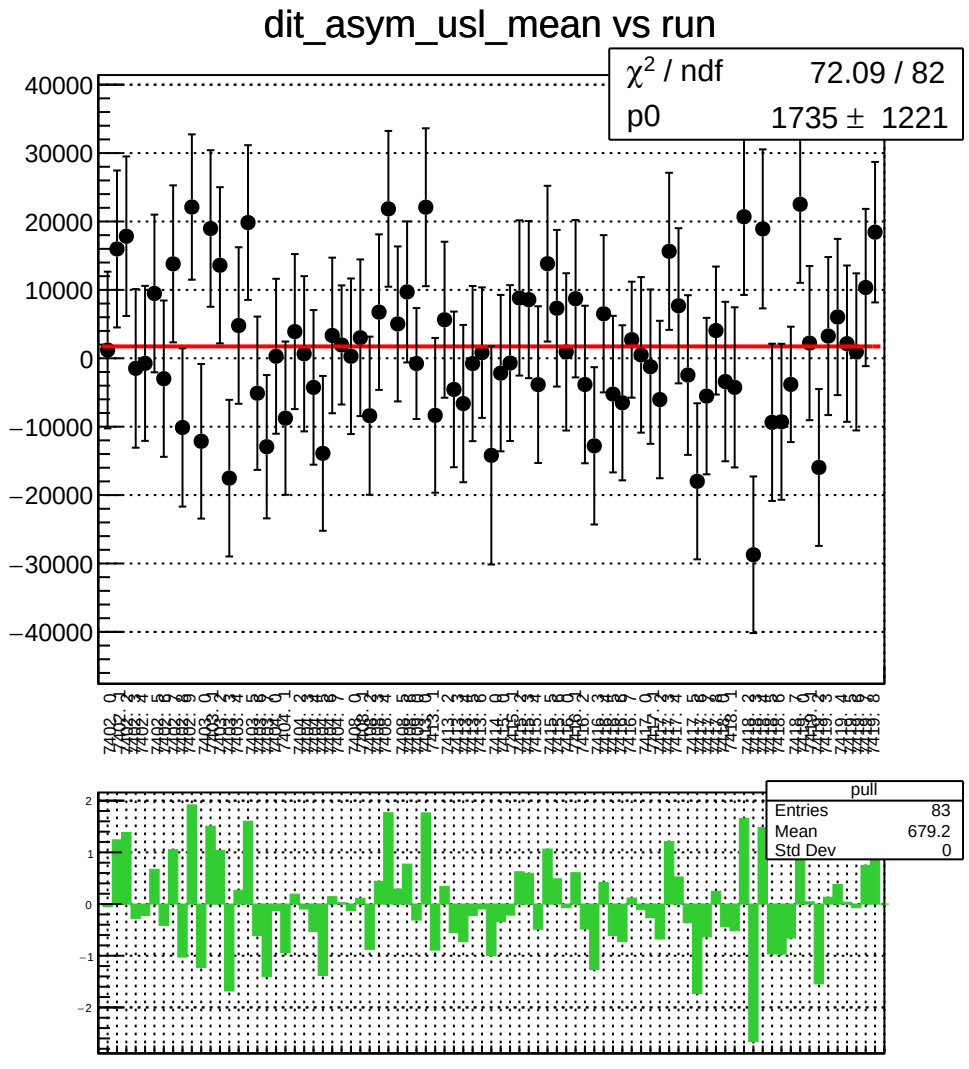

pull1D
Entries 83
Mean −0.002822
Std Dev 0.929

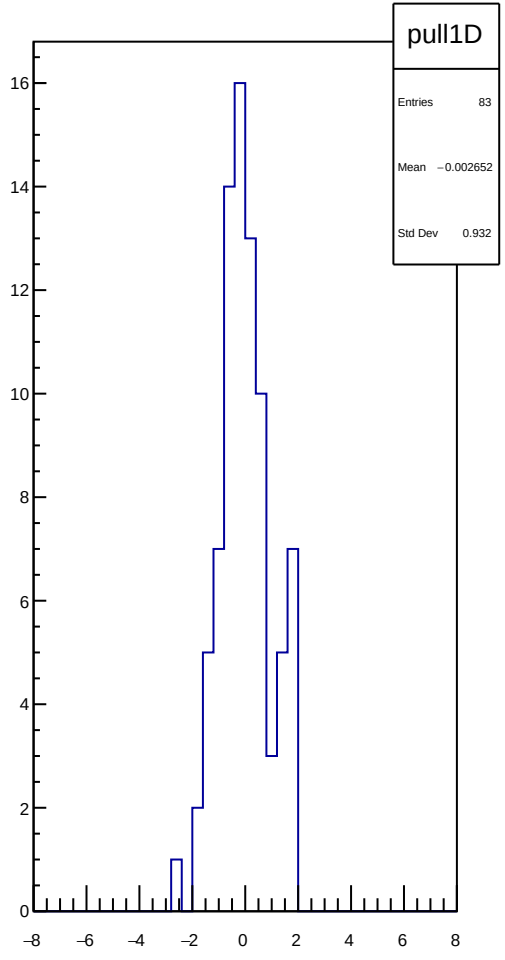

eigen_cor_asym_usl_rms vs run
χ² / ndf 122.6 / 82
p0 1084 ± 0.8631
1120
1110
1100
1090
1080
1070
1060
1050

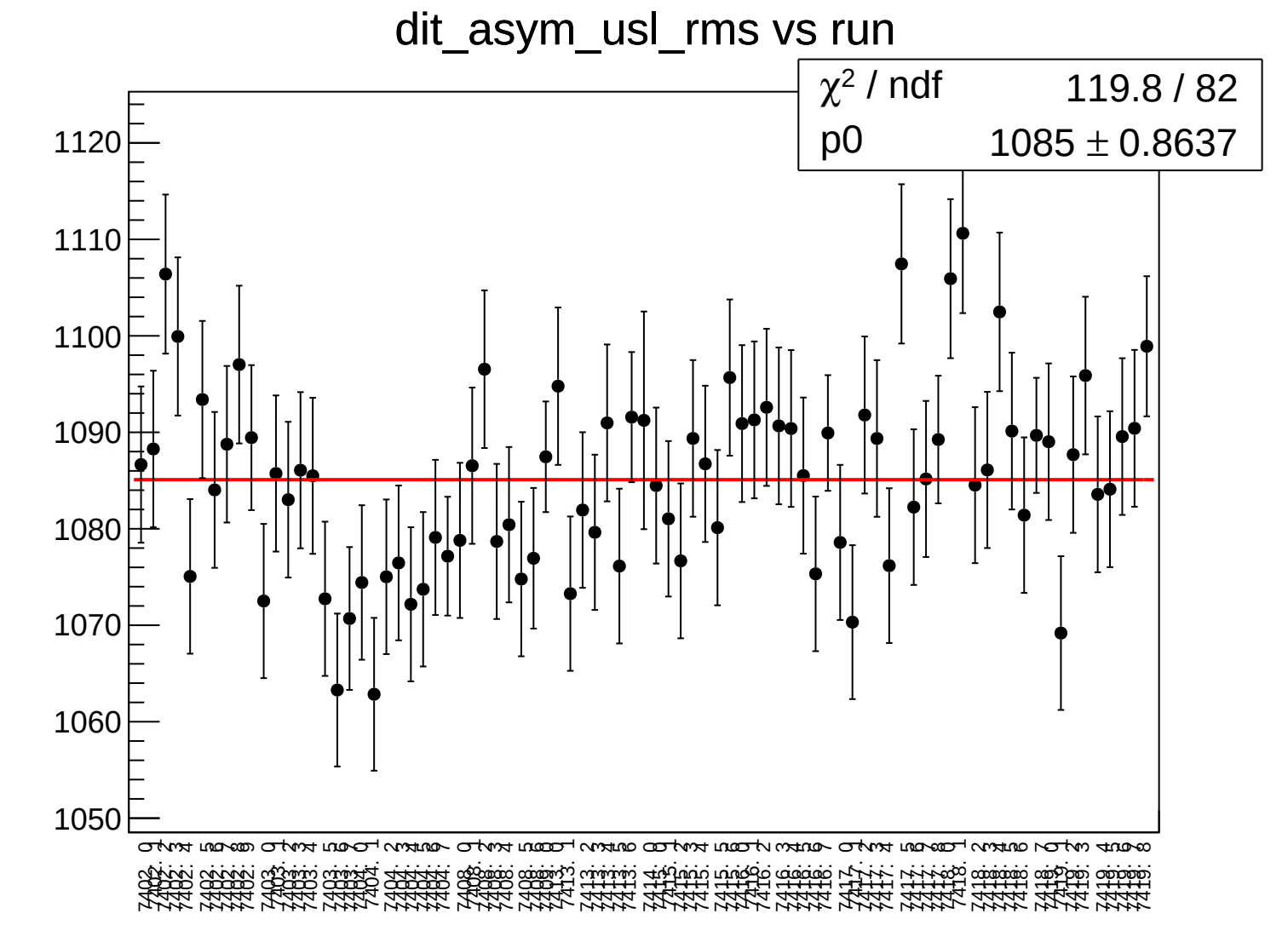

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 84.71 / 82
p0 −29.34 ± 1361
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 799.8
Std Dev 0
2
1
0
−1
−2
−3

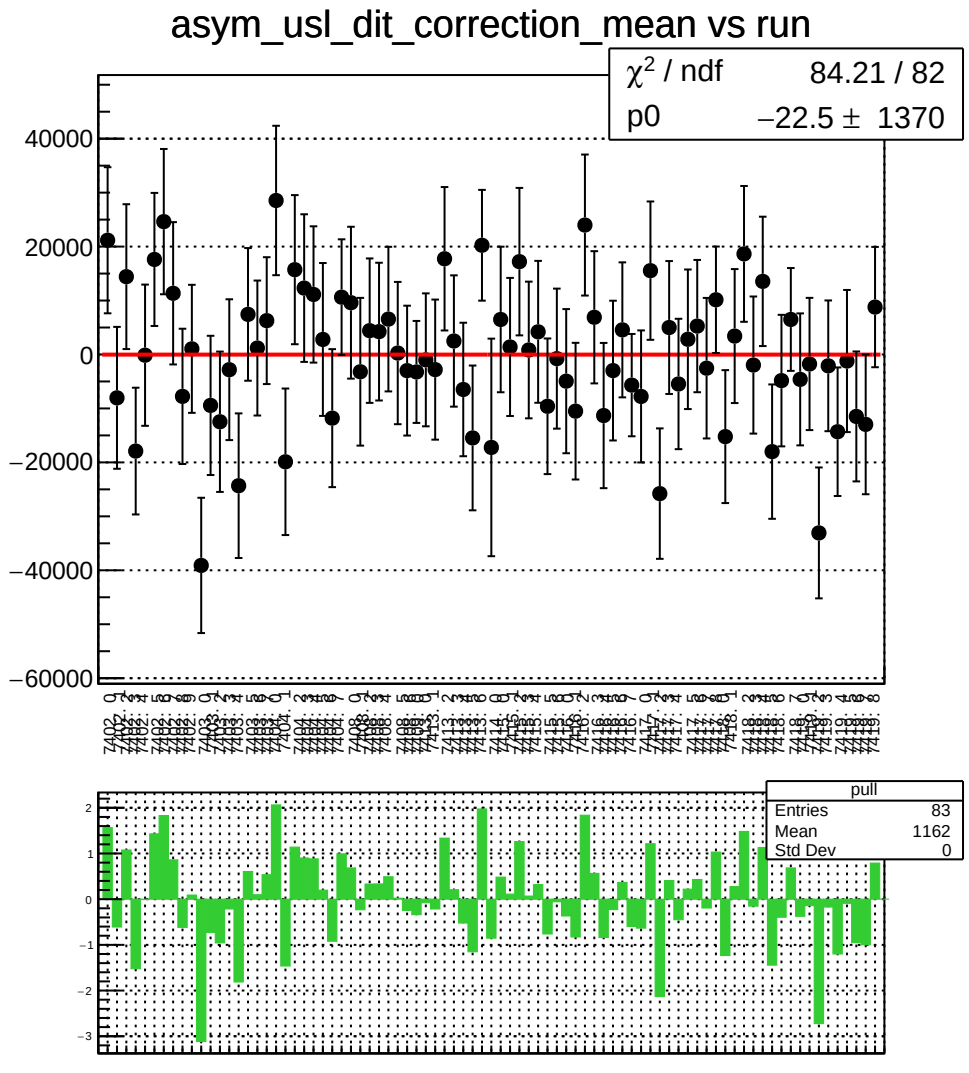

pull1D
Entries 83
Mean −0.004246
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

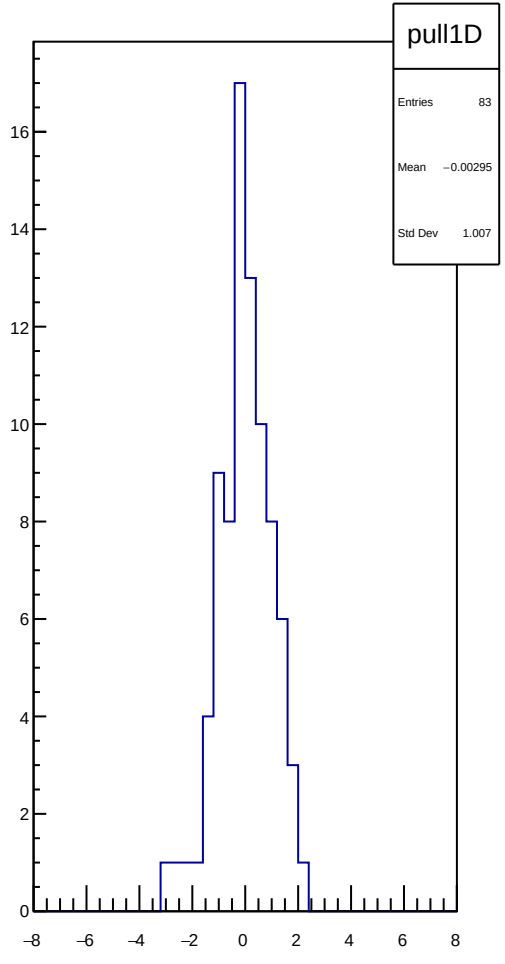

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2786 / 82
p0 1208 ± 0.9621
1400
1350
1300
1250
1200
1150
1100

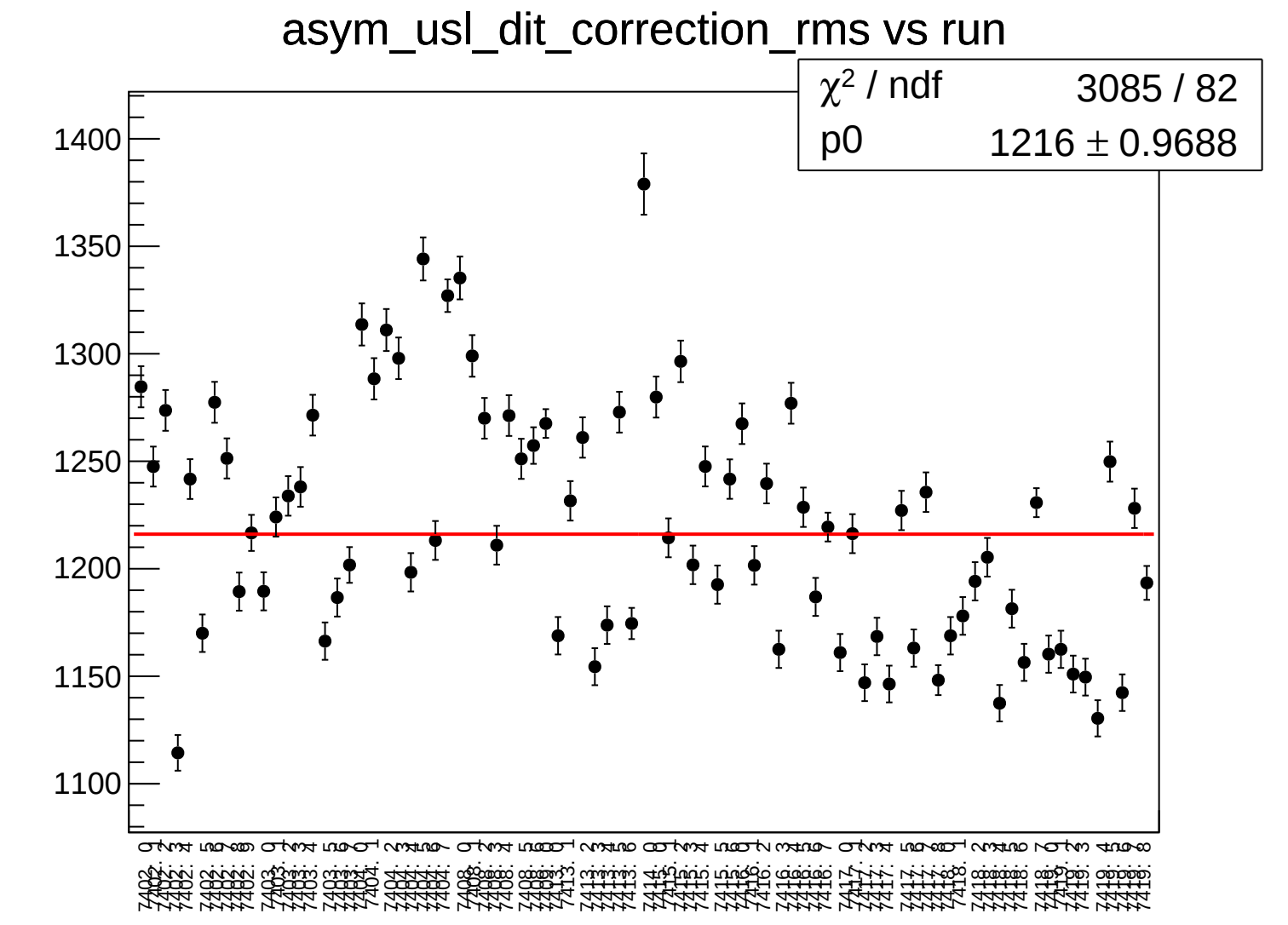

dit_asym_usl_mean vs run
χ² / ndf 72.09 / 82
p0 1735 ± 1221
pull
Entries 83
Mean 679.2
Std Dev 0

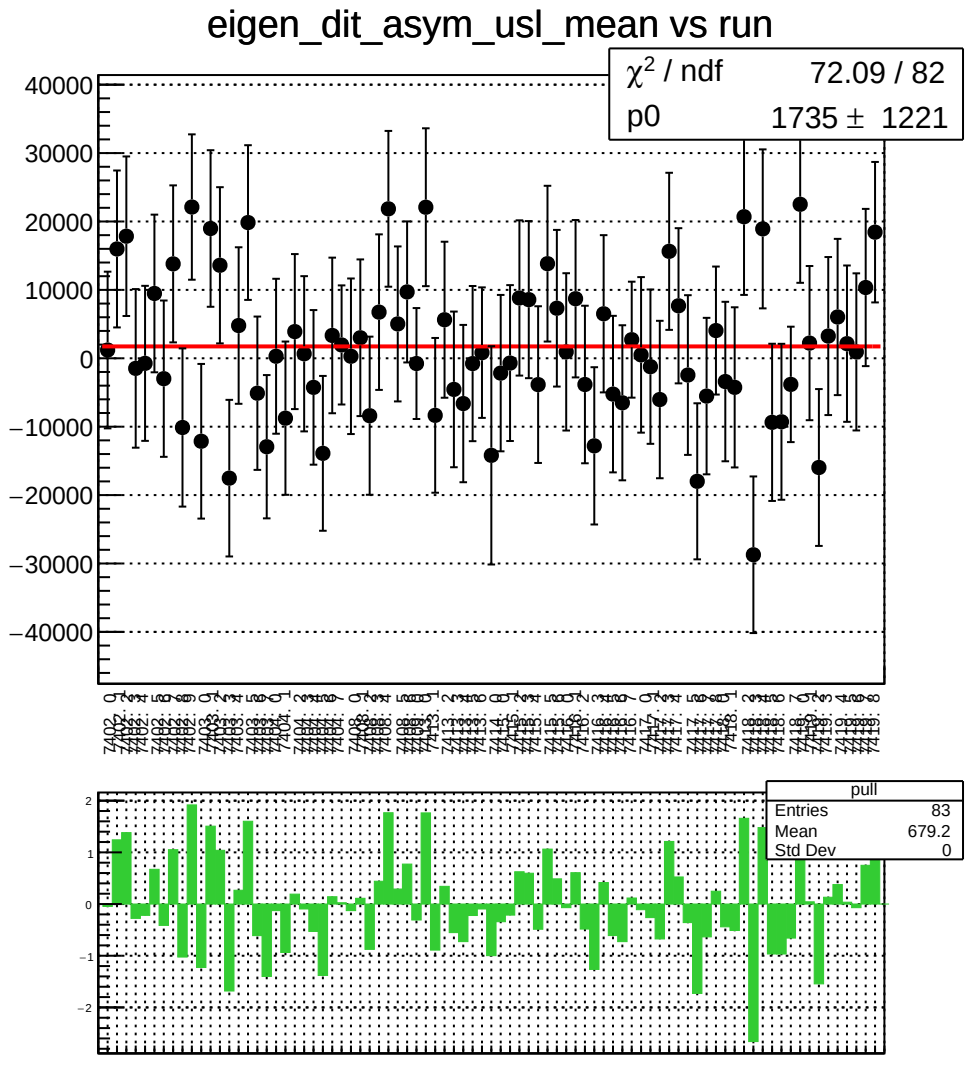

pull1D
Entries 83
Mean −0.002652
Std Dev 0.932

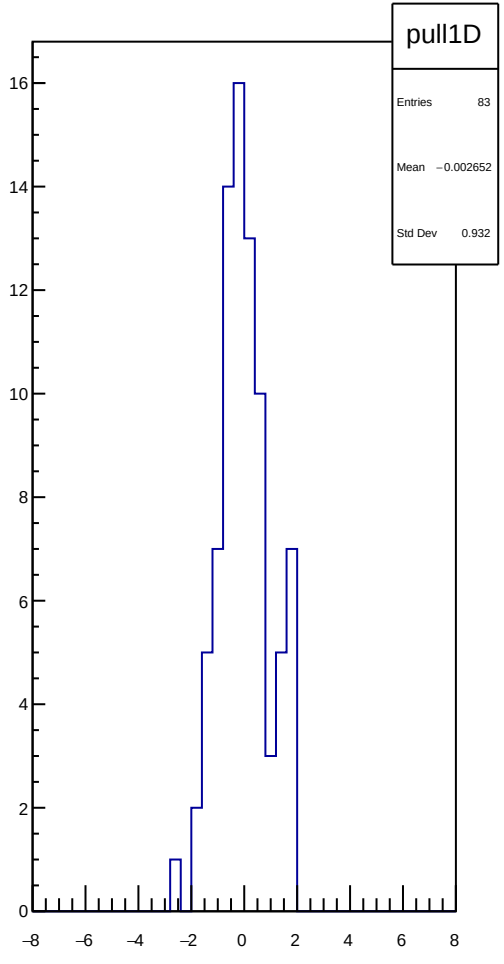

dit_asym_usl_rms vs run
χ^2 / ndf 119.8 / 82
p0 1085 ± 0.8637
1120
1110
1100
1090
1080
1070
1060
1050

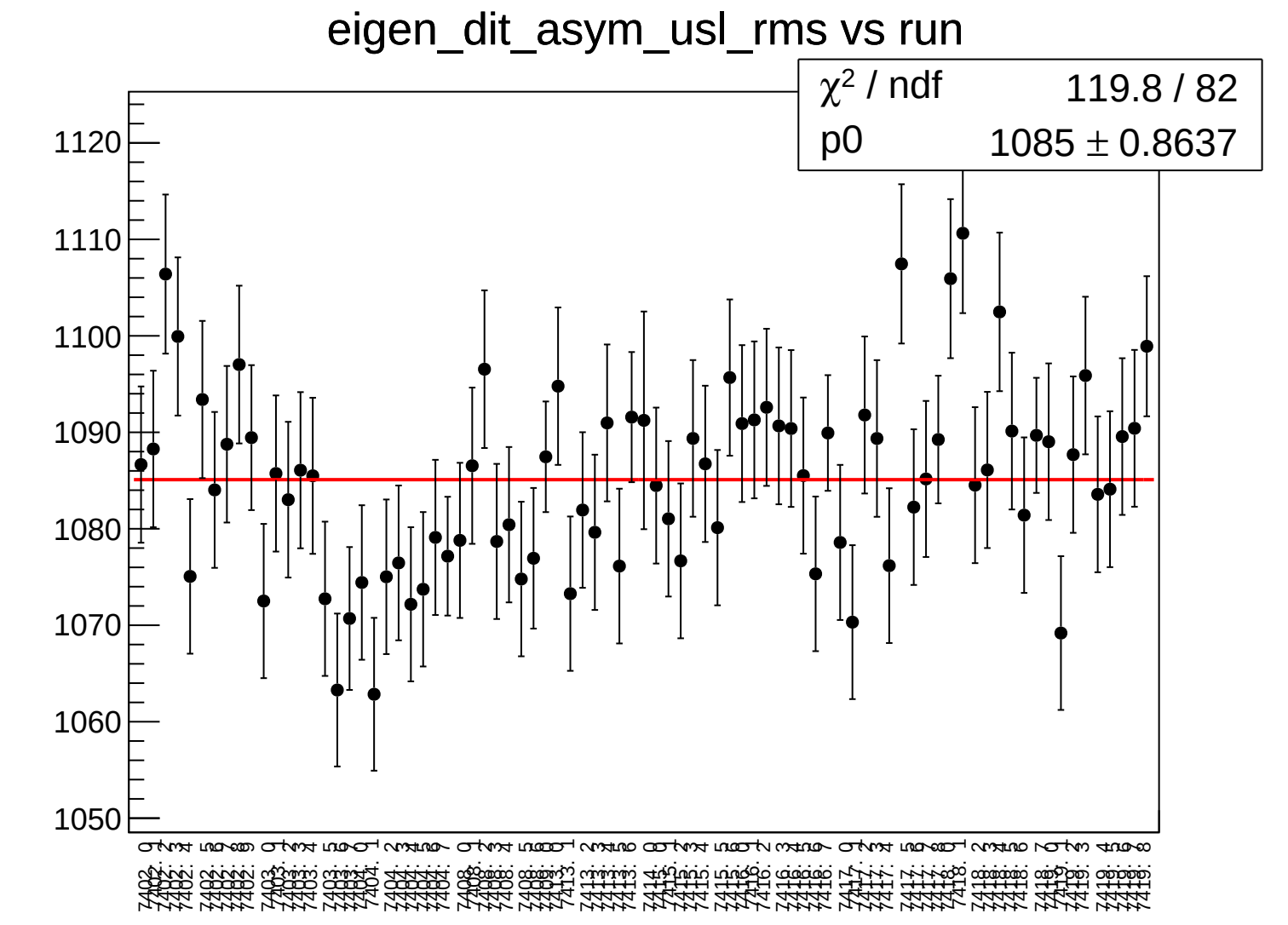

asym_usl_dit_correction_mean vs run
χ² / ndf 84.21 / 82
p0 −22.5 ± 1370
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 1162
Std Dev 0
2
1
0
−1
−2
−3

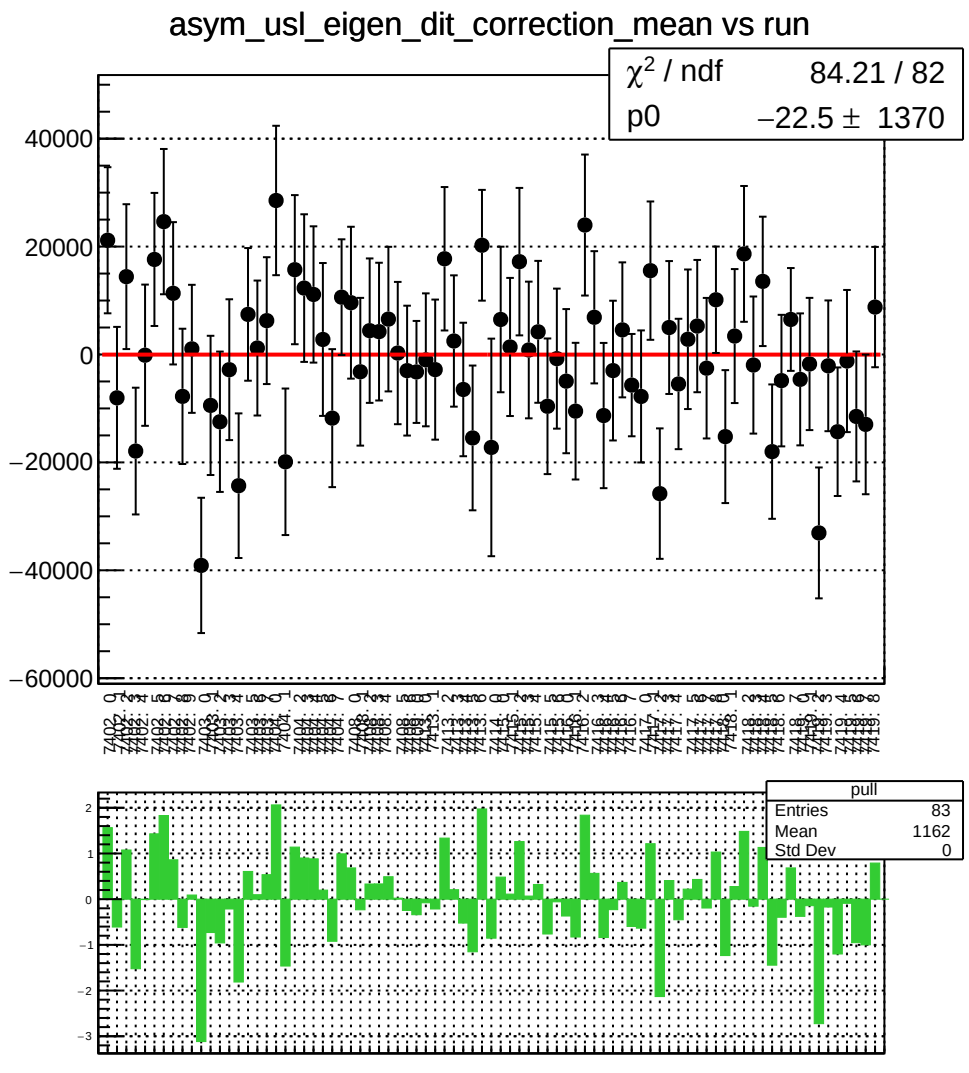

pull1D
Entries 83
Mean −0.00295
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

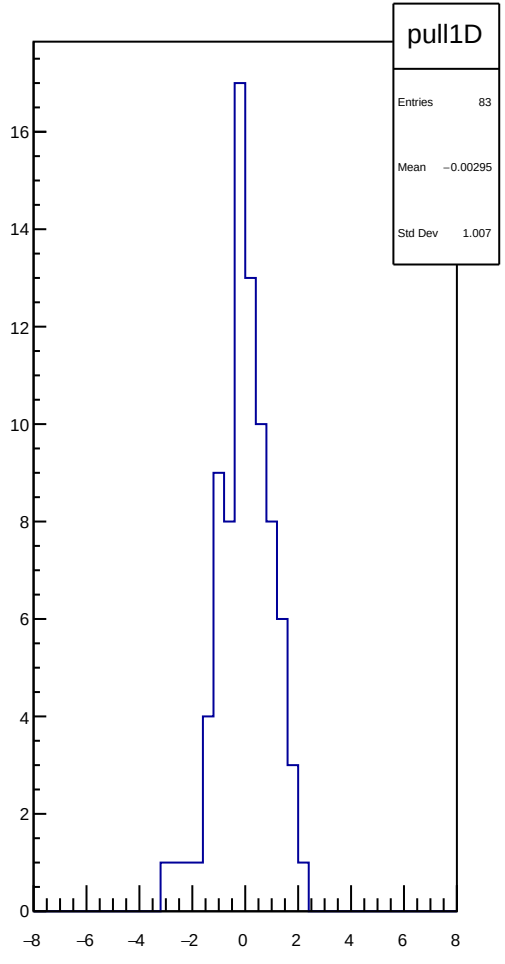

asym_usl_dit_correction_rms vs run
χ² / ndf 3085 / 82
p0 1216 ± 0.9688
1400
1350
1300
1250
1200
1150
1100

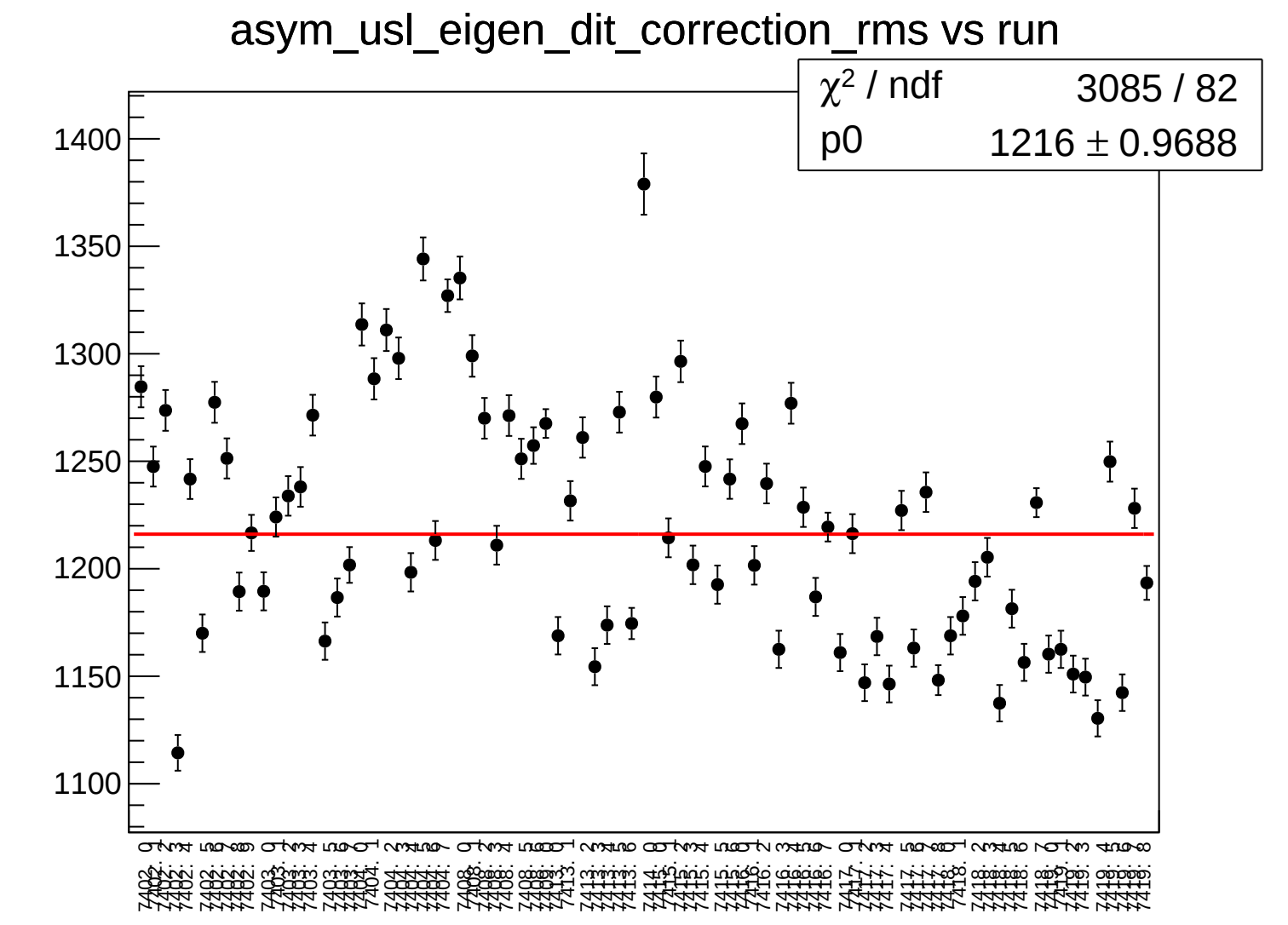

eigen_dit_asym_usl_mean vs run
χ² / ndf 72.09 / 82
p0 1735 ± 1221
pull
Entries 83
Mean 679.2
Std Dev 0

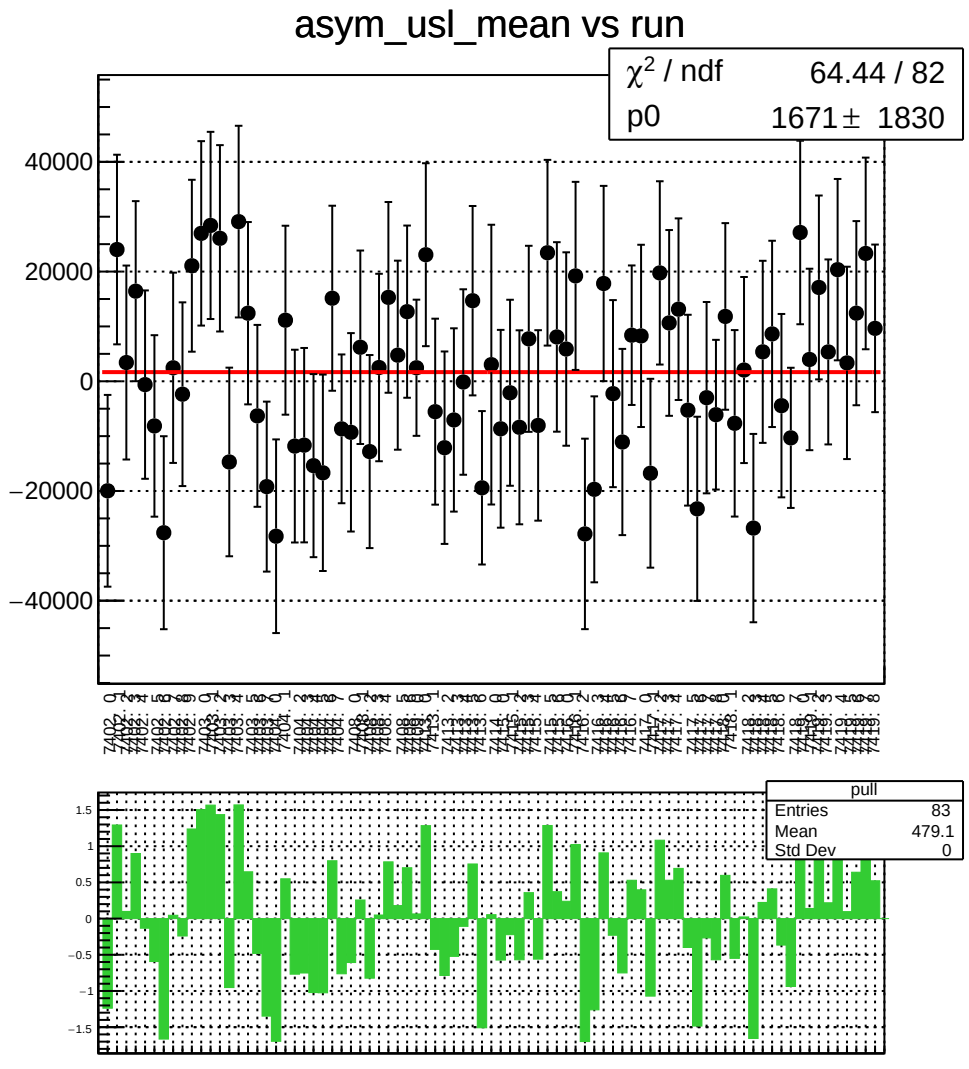

pull1D
Entries 83
Mean −0.002652
Std Dev 0.932

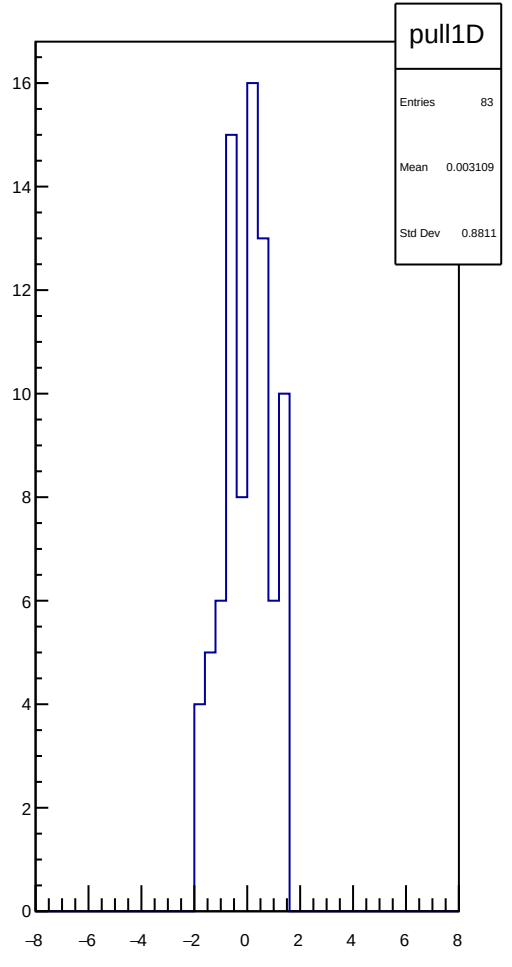

eigen_dit_asym_usl_rms vs run
χ² / ndf 119.8 / 82
p0 1085 ± 0.8637
1120
1110
1100
1090
1080
1070
1060
1050

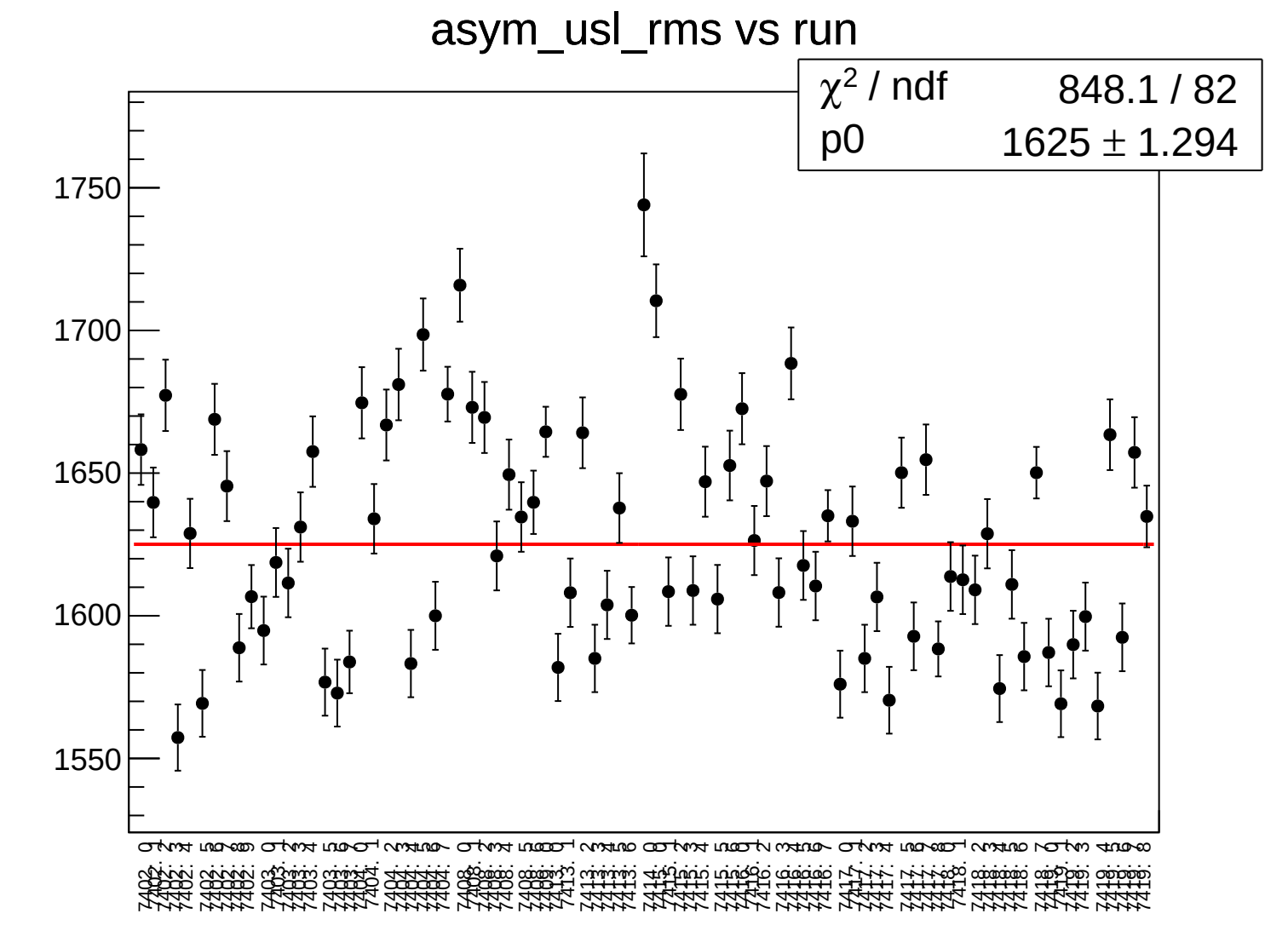

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 84.21 / 82
p0 −22.5 ± 1370
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 1162
Std Dev 0
2
1
0
−1
−2
−3

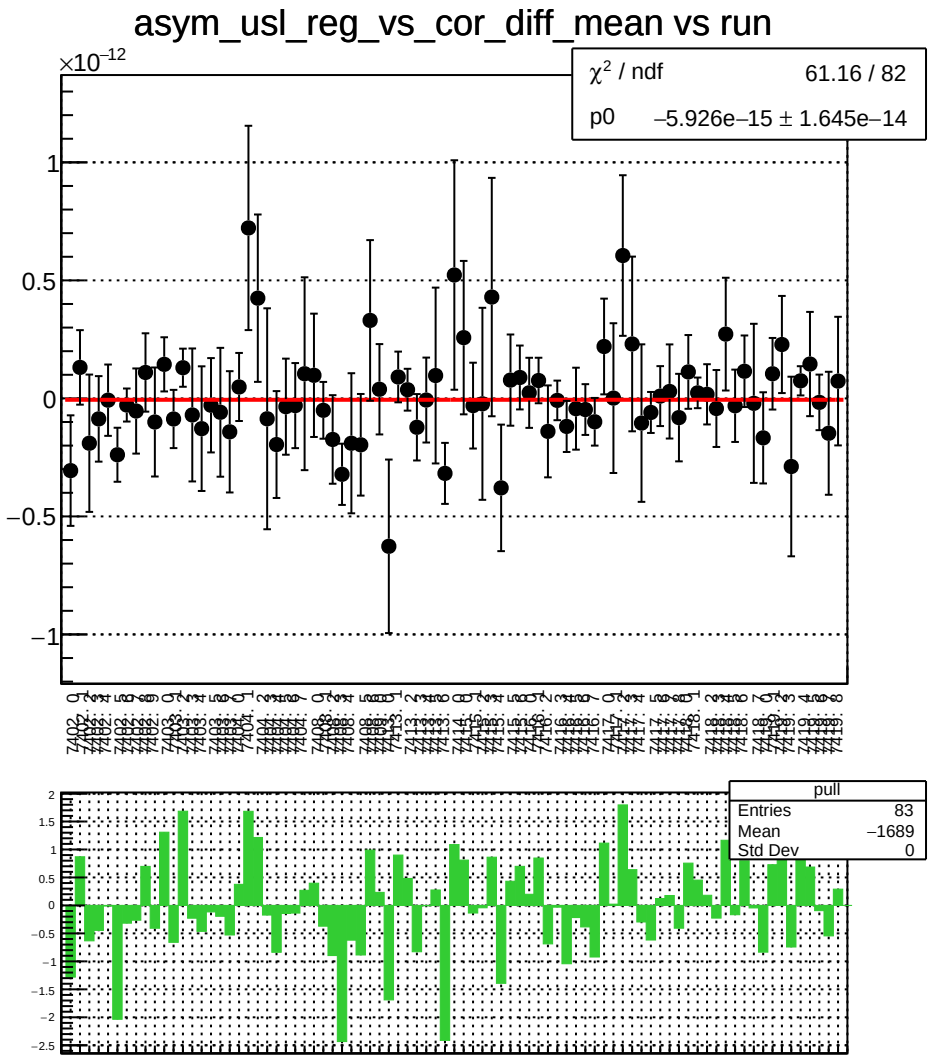

pull1D
Entries 83
Mean −0.00295
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

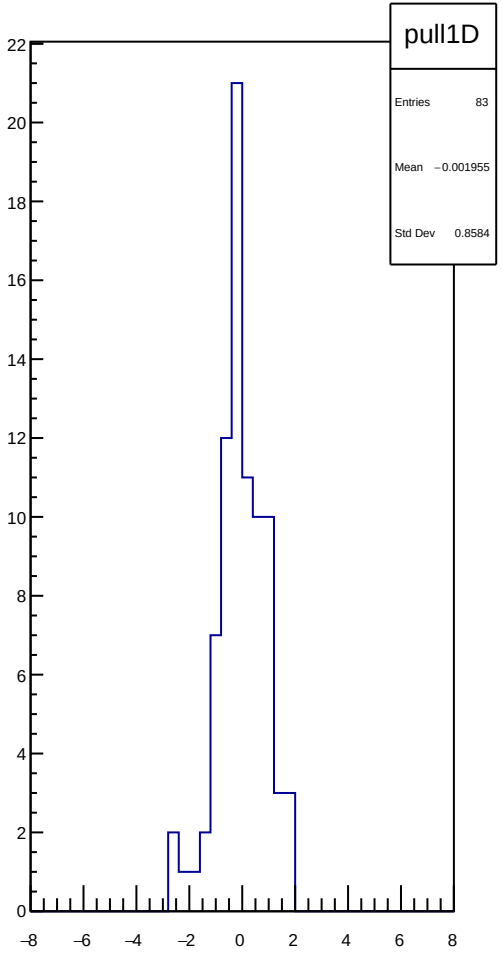

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 3085 / 82
p0 1216 ± 0.9688
1400
1350
1300
1250
1200
1150
1100

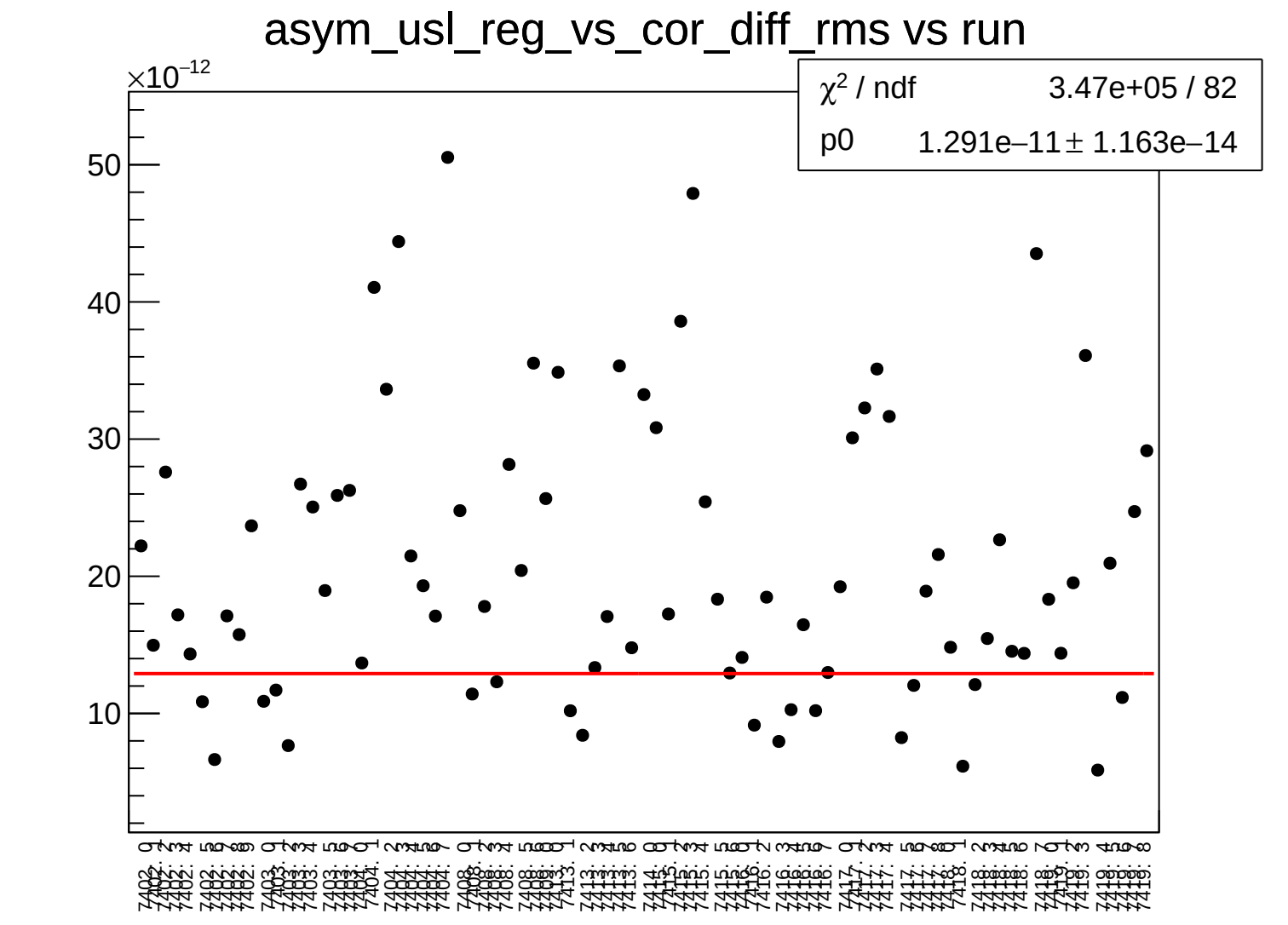

asym_usl_mean vs run
χ² / ndf 64.44 / 82
p0 1671 ± 1830
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 479.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

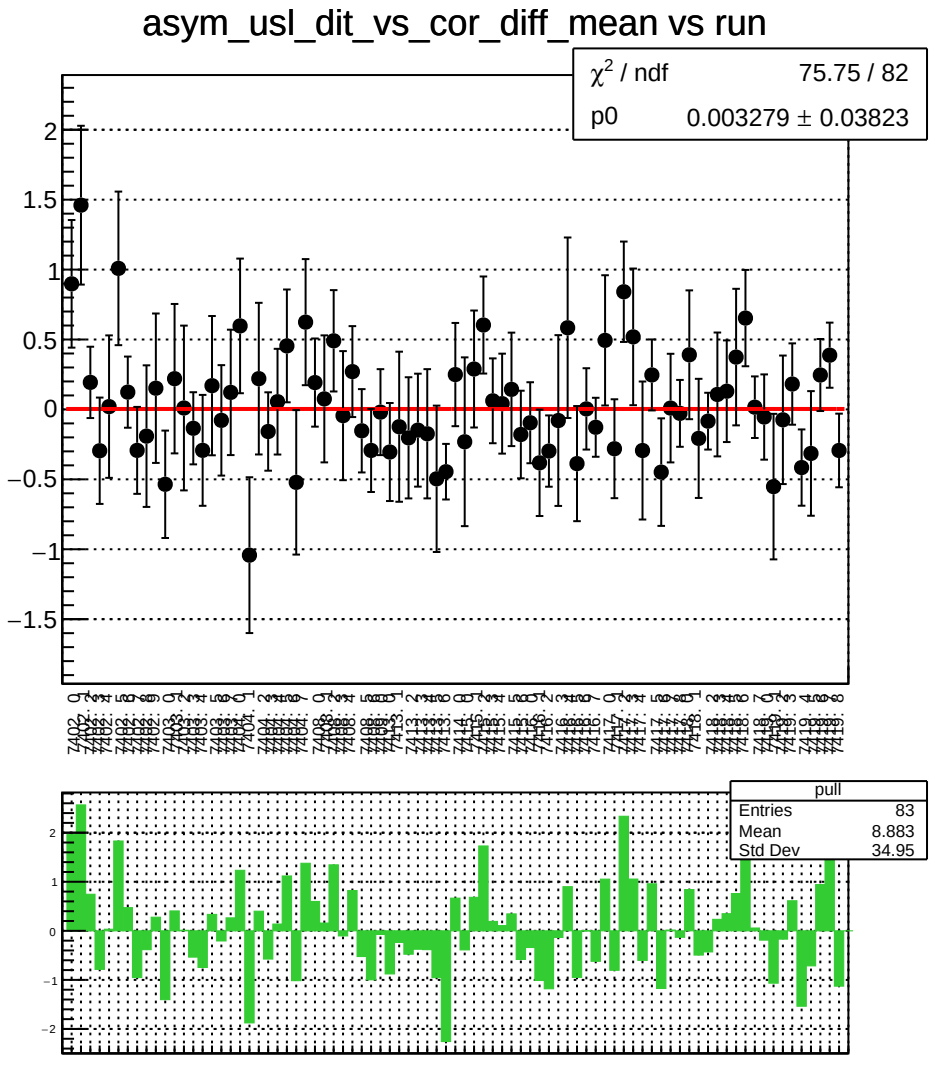

pull1D
Entries 83
Mean 0.003109
Std Dev 0.8811
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

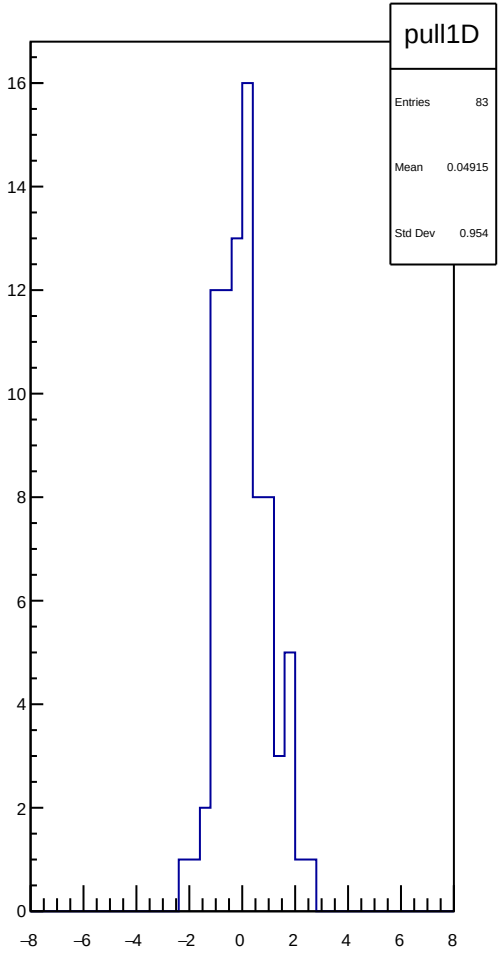

asym_usl_rms vs run
χ² / ndf 848.1 / 82
p0 1625 ± 1.294
1750
1700
1650
1600
1550

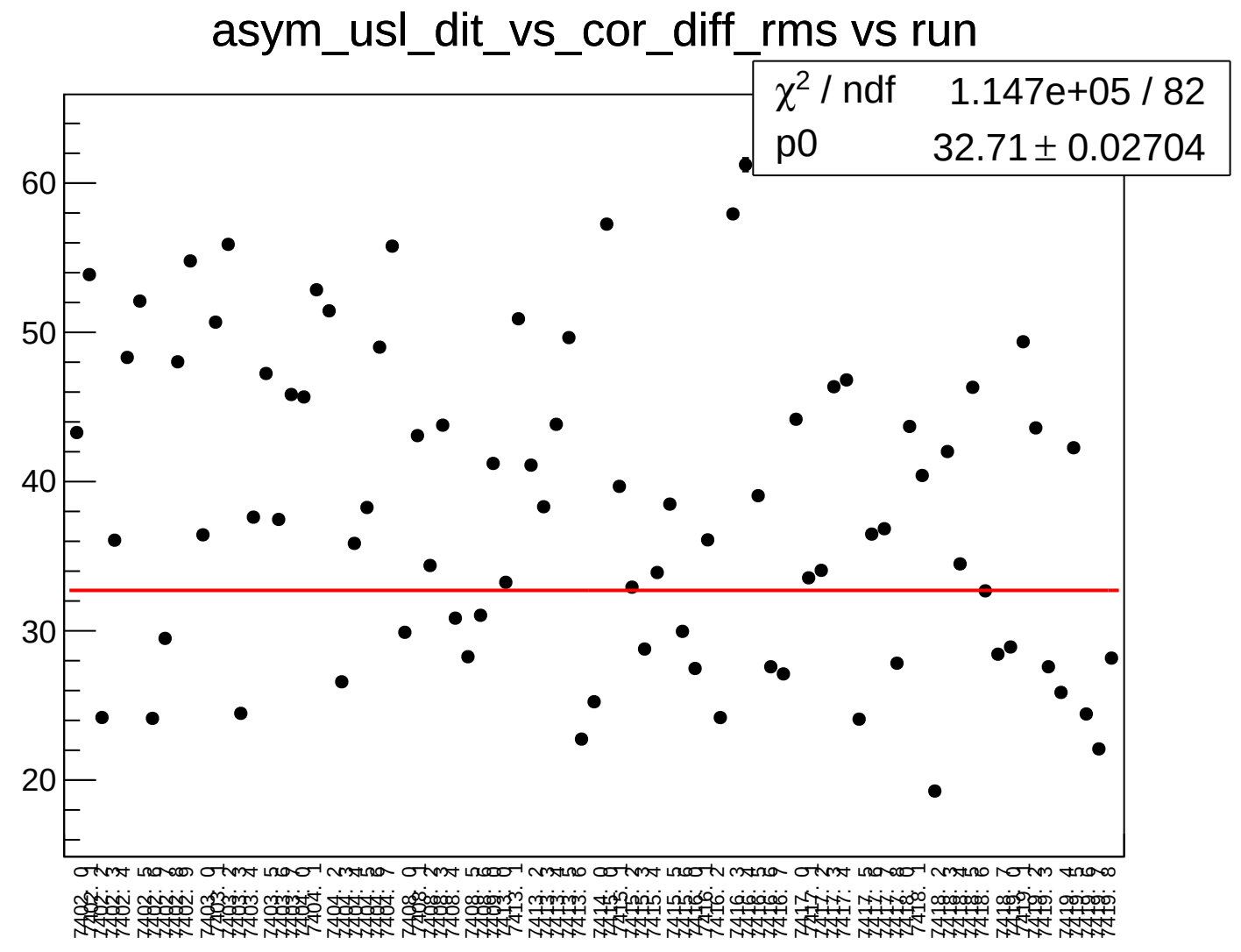

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.16 / 82
p0 −5.926e−15 ± 1.645e−14
pull
Entries 83
Mean −1689
Std Dev 0

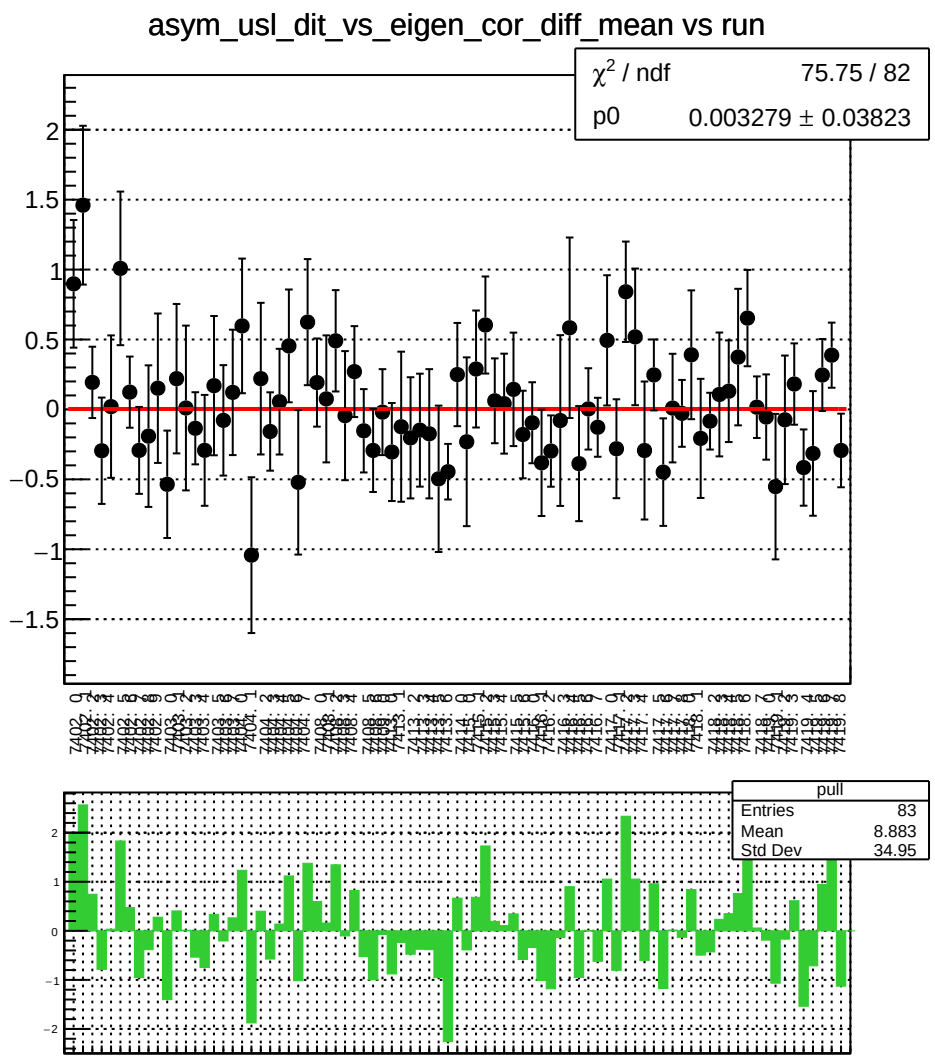

pull1D
Entries 83
Mean −0.001955
Std Dev 0.8584

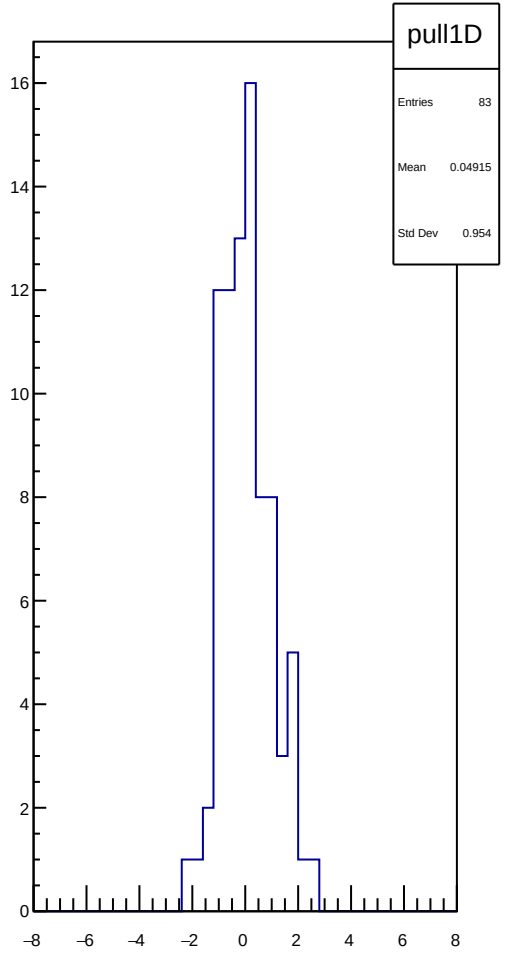

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.47e+05 / 82
p0 1.291e−11 ± 1.163e−14
50
40
30
20
10

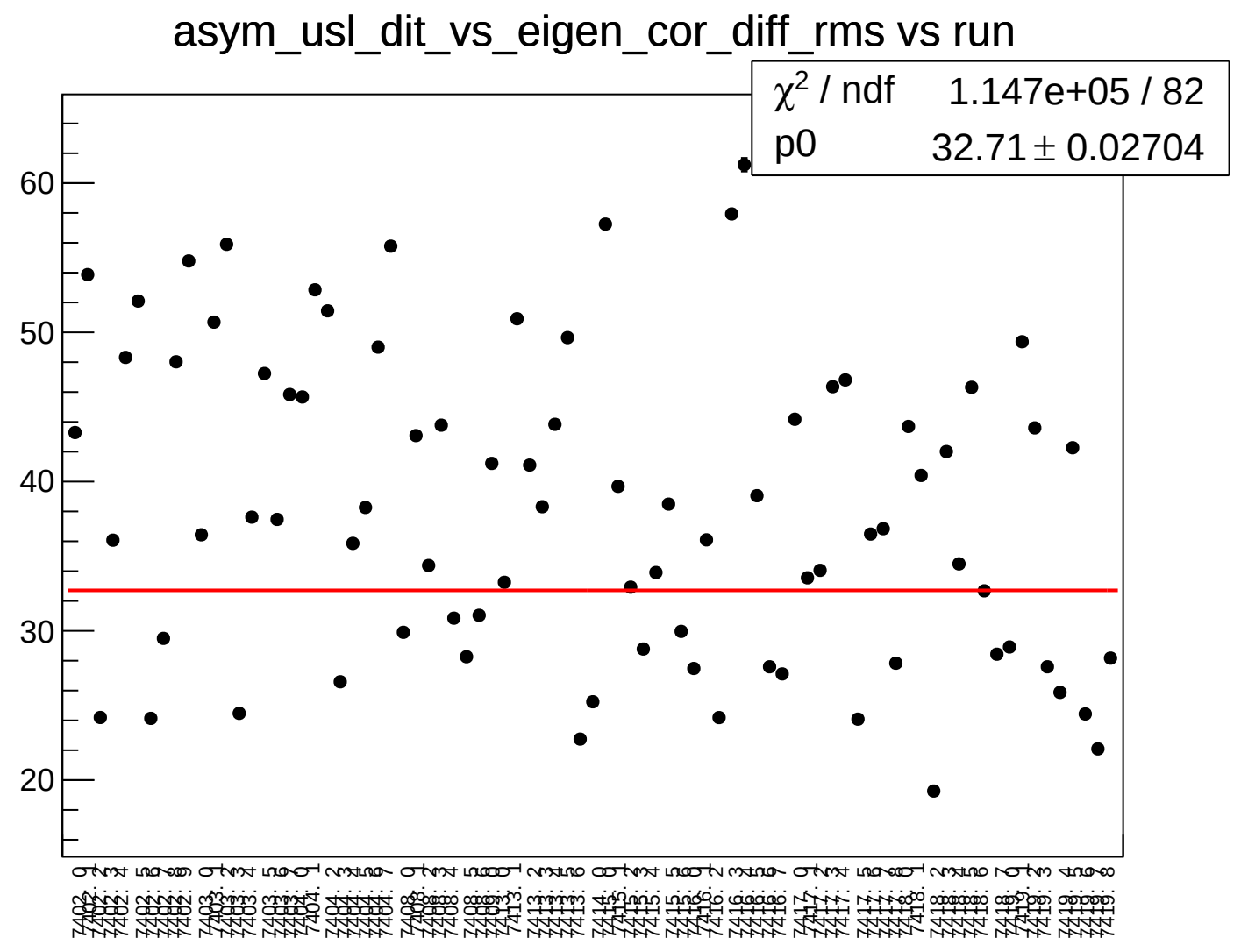

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 75.75 / 82
p0 0.003279 ± 0.03823
pull
Entries 83
Mean 8.883
Std Dev 34.95

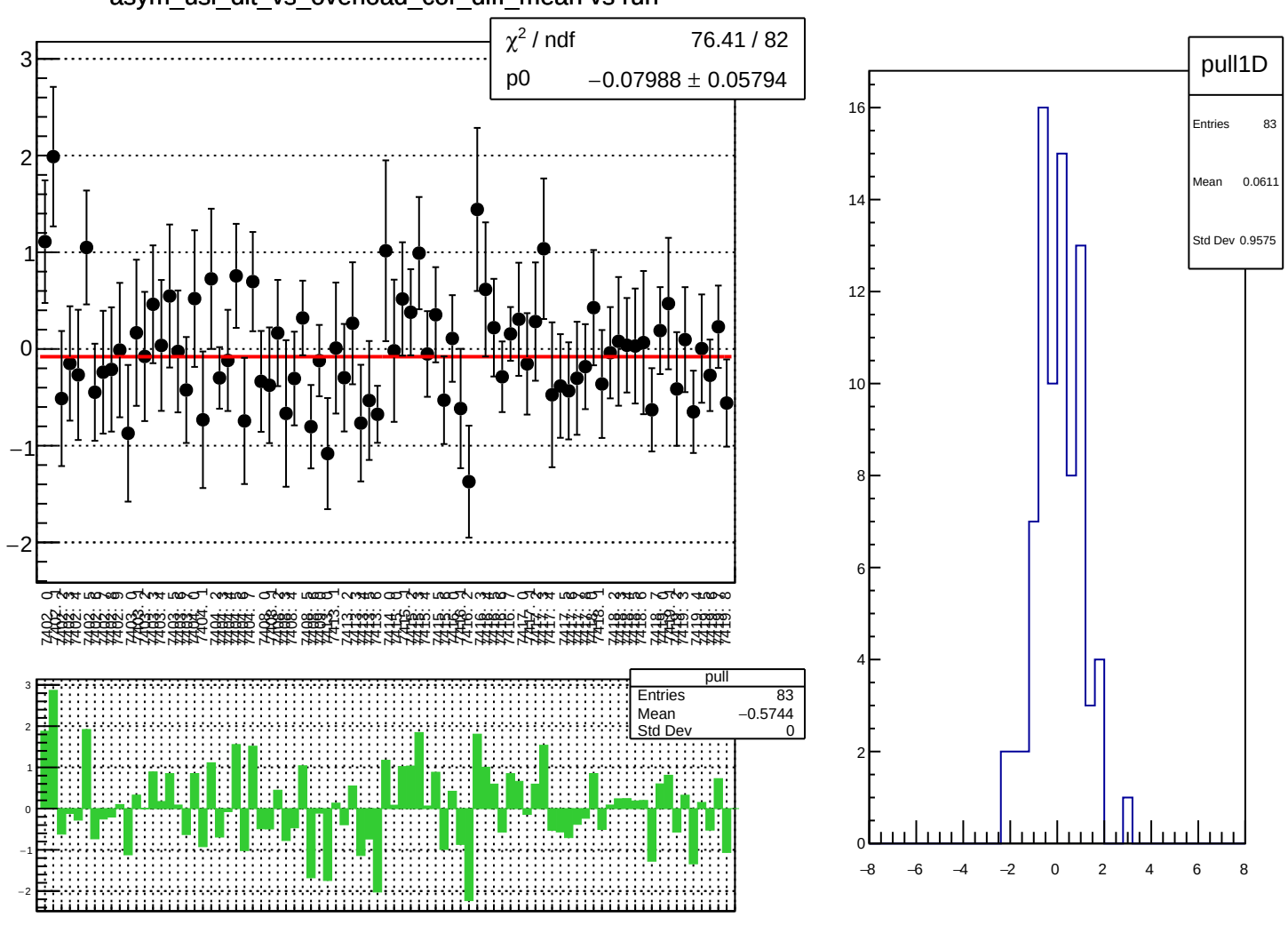

pull1D
Entries 83
Mean 0.04915
Std Dev 0.954

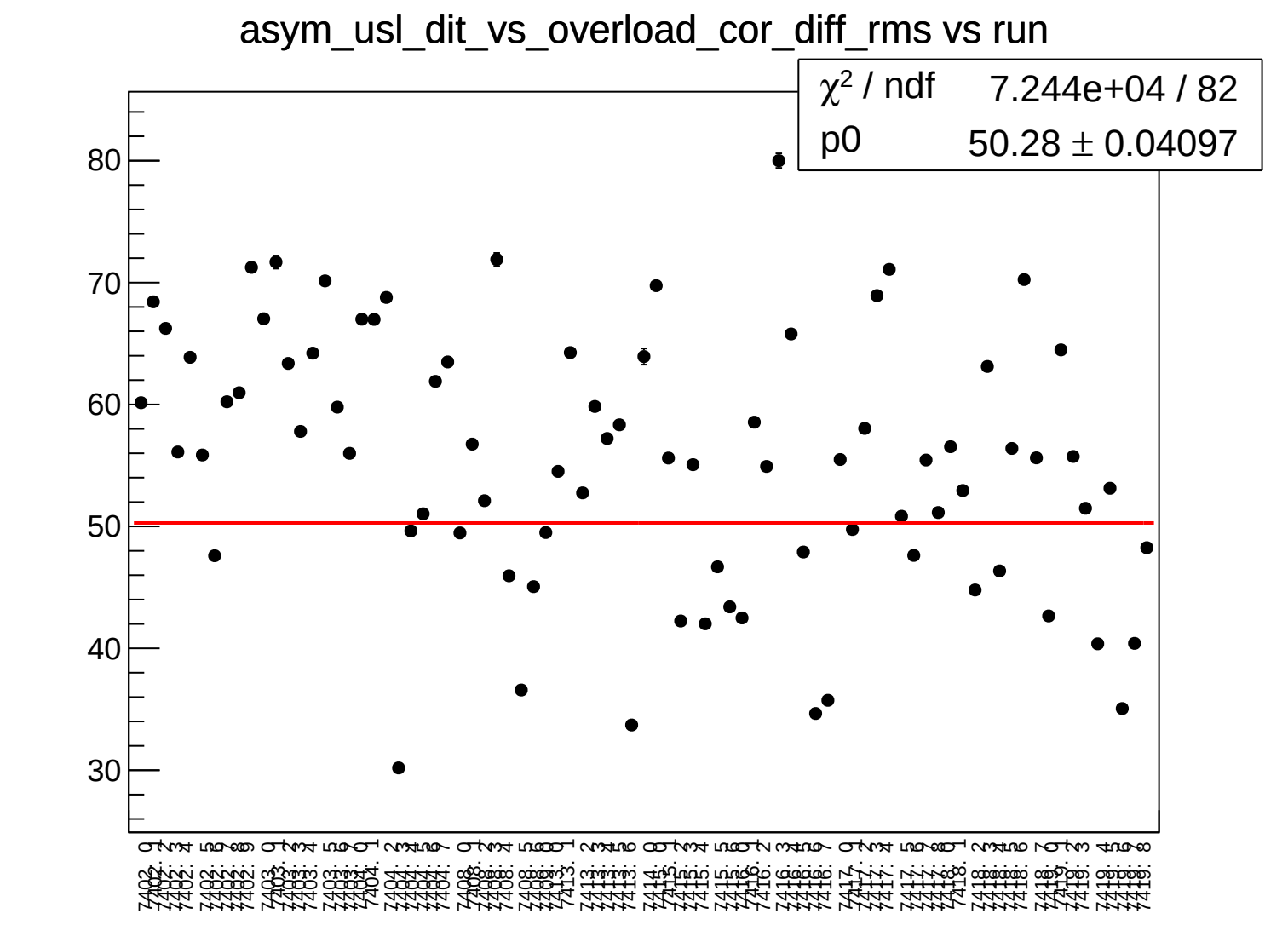

asym_usl_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.147e+05 / 82
p0 32.71 ± 0.02704
60
50
40
30
20

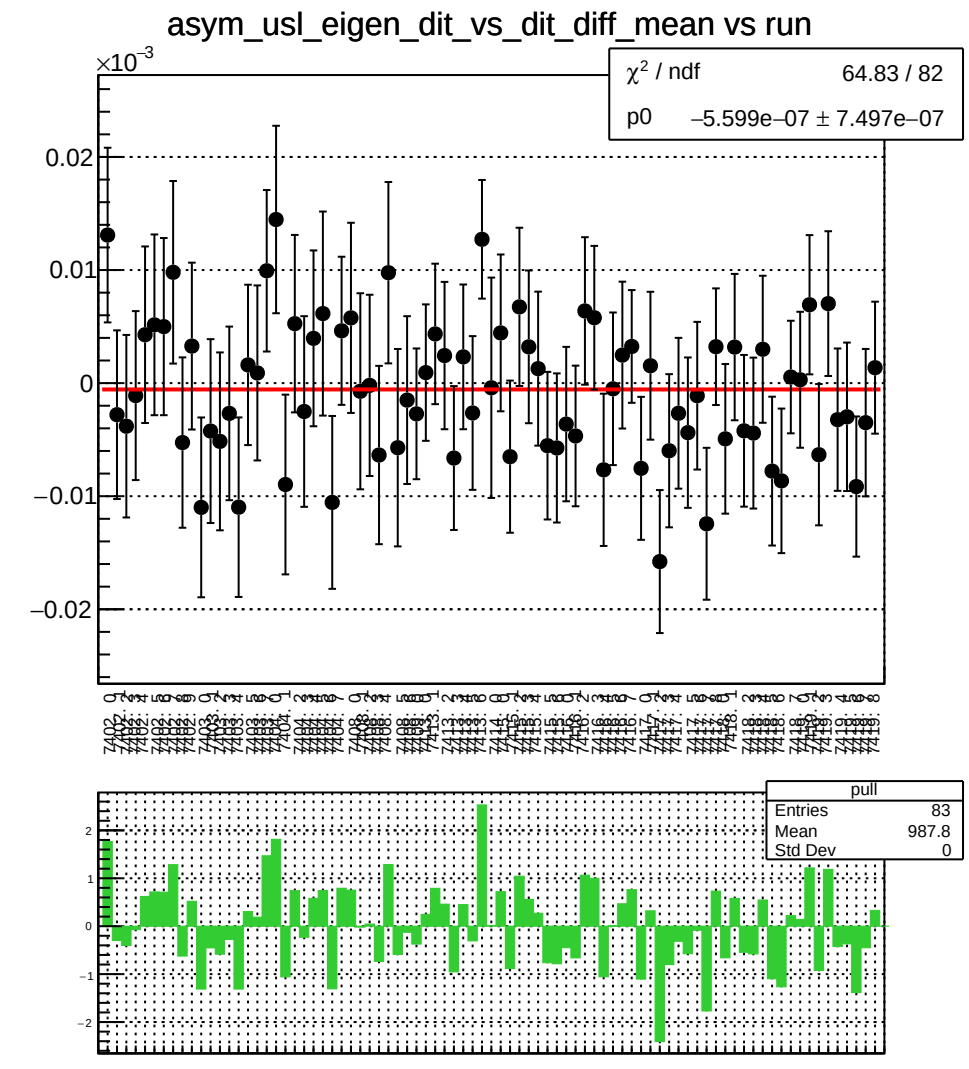

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.75 / 82
p0 0.003279 ± 0.03823
pull
Entries 83
Mean 8.883
Std Dev 34.95

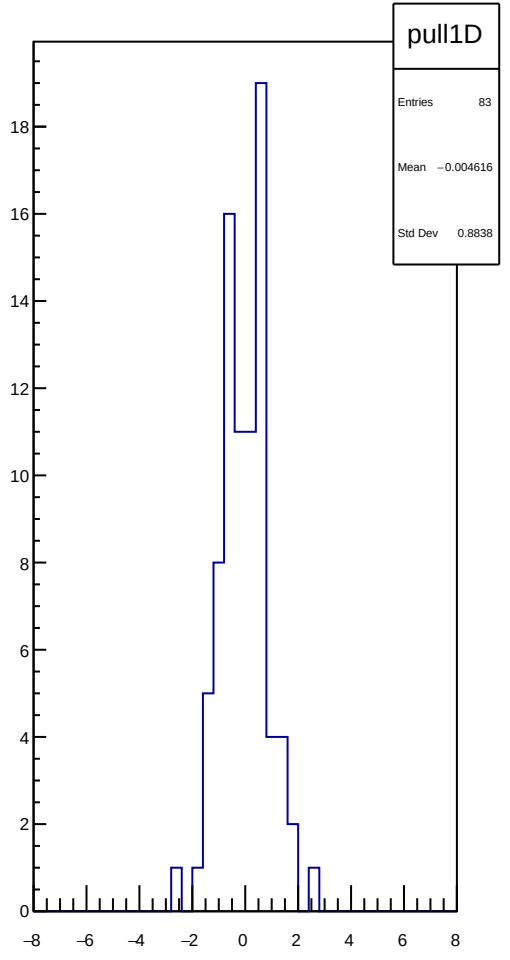

pull1D
Entries 83
Mean 0.04915
Std Dev 0.954

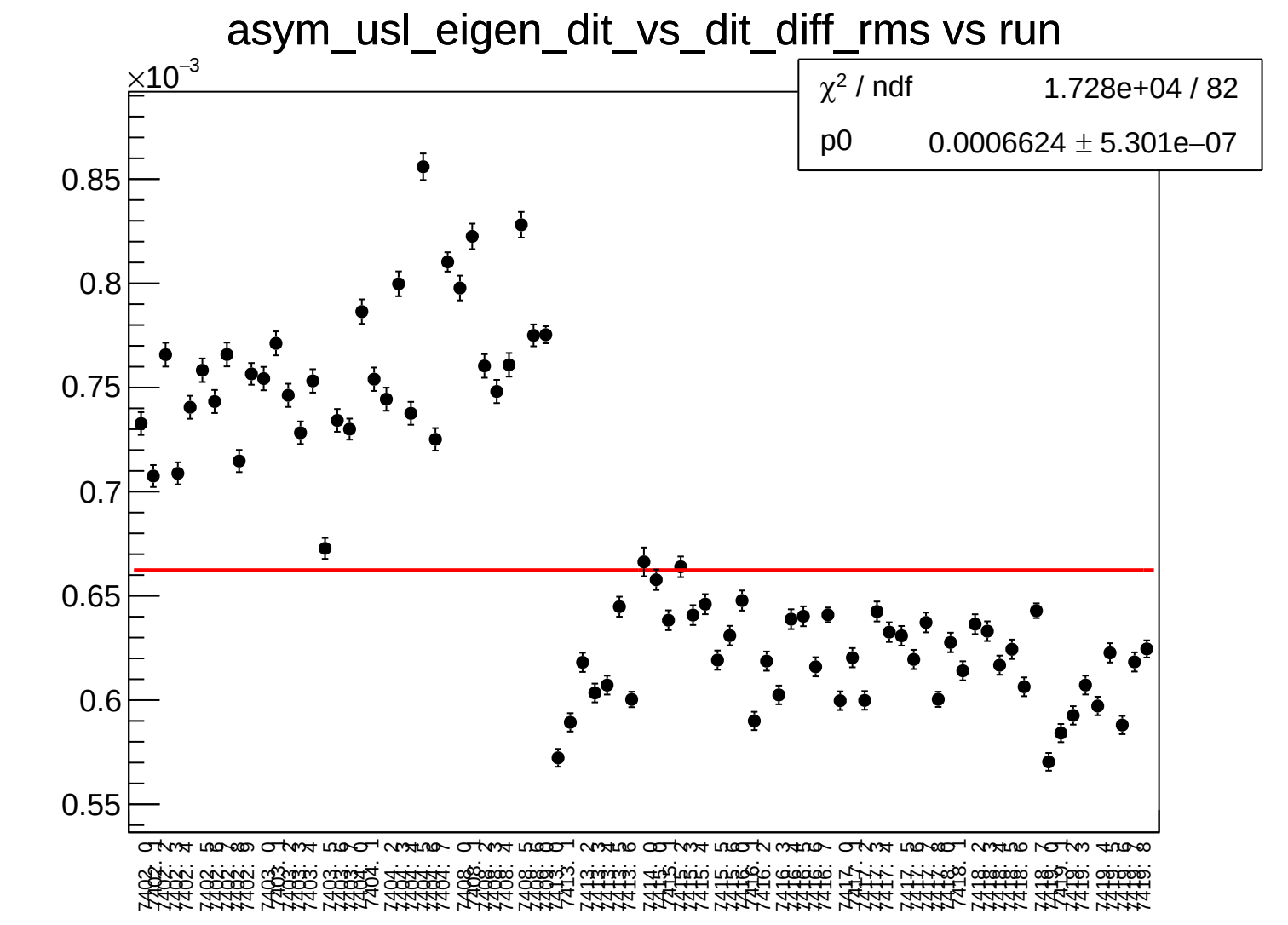

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 82
p0 32.71 ± 0.02704
60
50
40
30
20

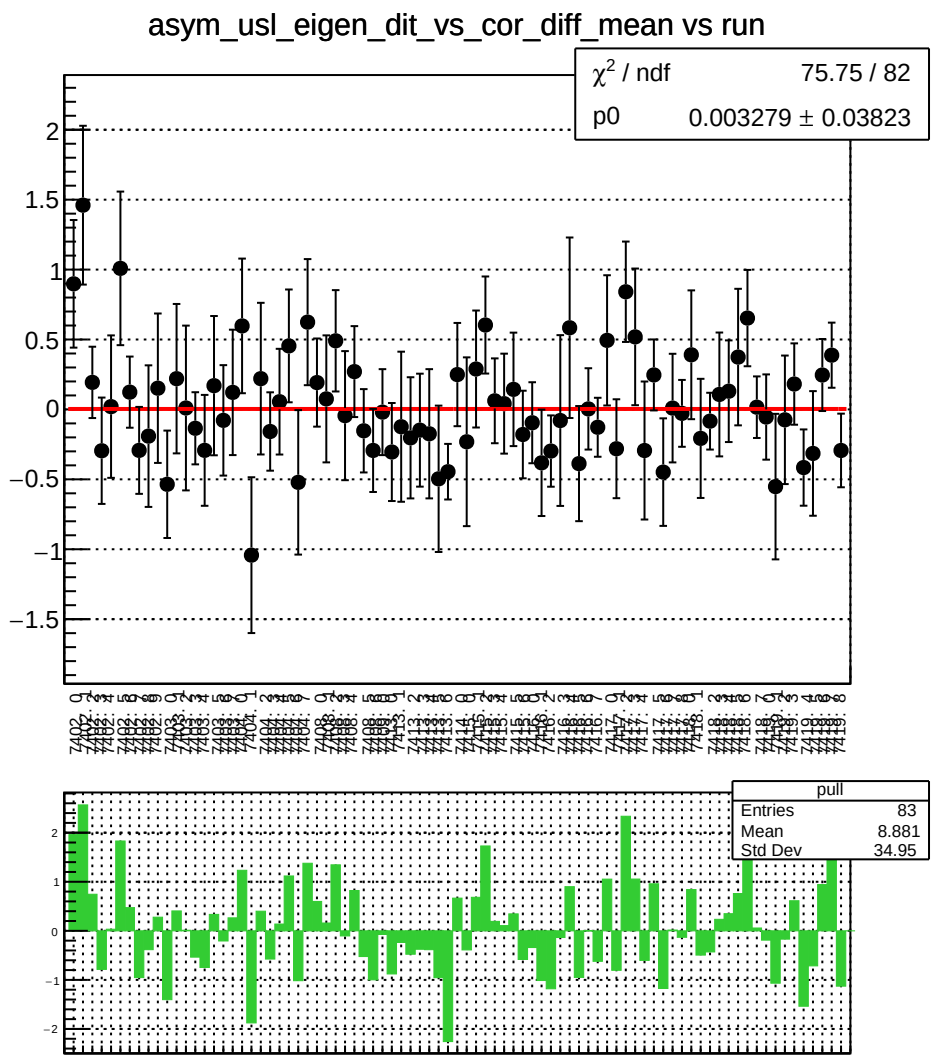

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 76.41 / 82
p0 −0.07988 ± 0.05794
pull
Entries 83
Mean −0.5744
Std Dev 0
pull1D
Entries 83
Mean 0.0611
Std Dev 0.9575

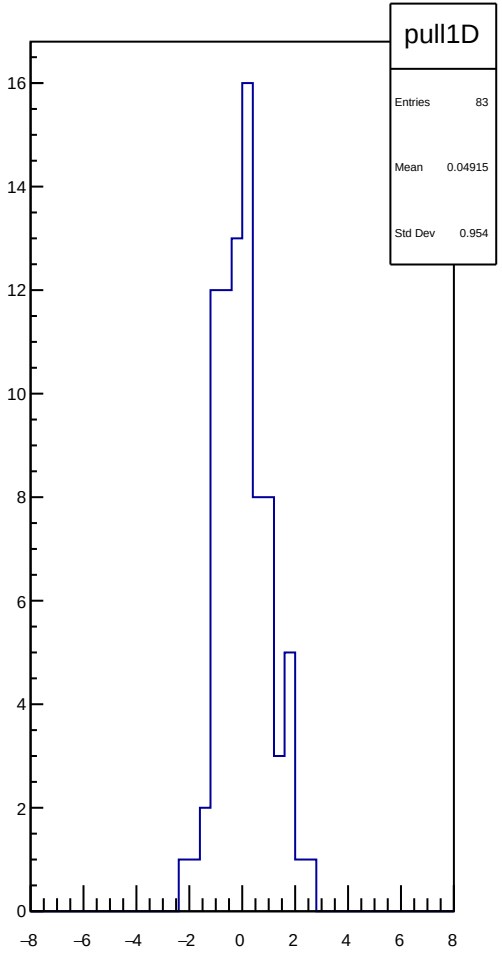

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.244e+04 / 82
p0 50.28 ± 0.04097
80
70
60
50
40
30

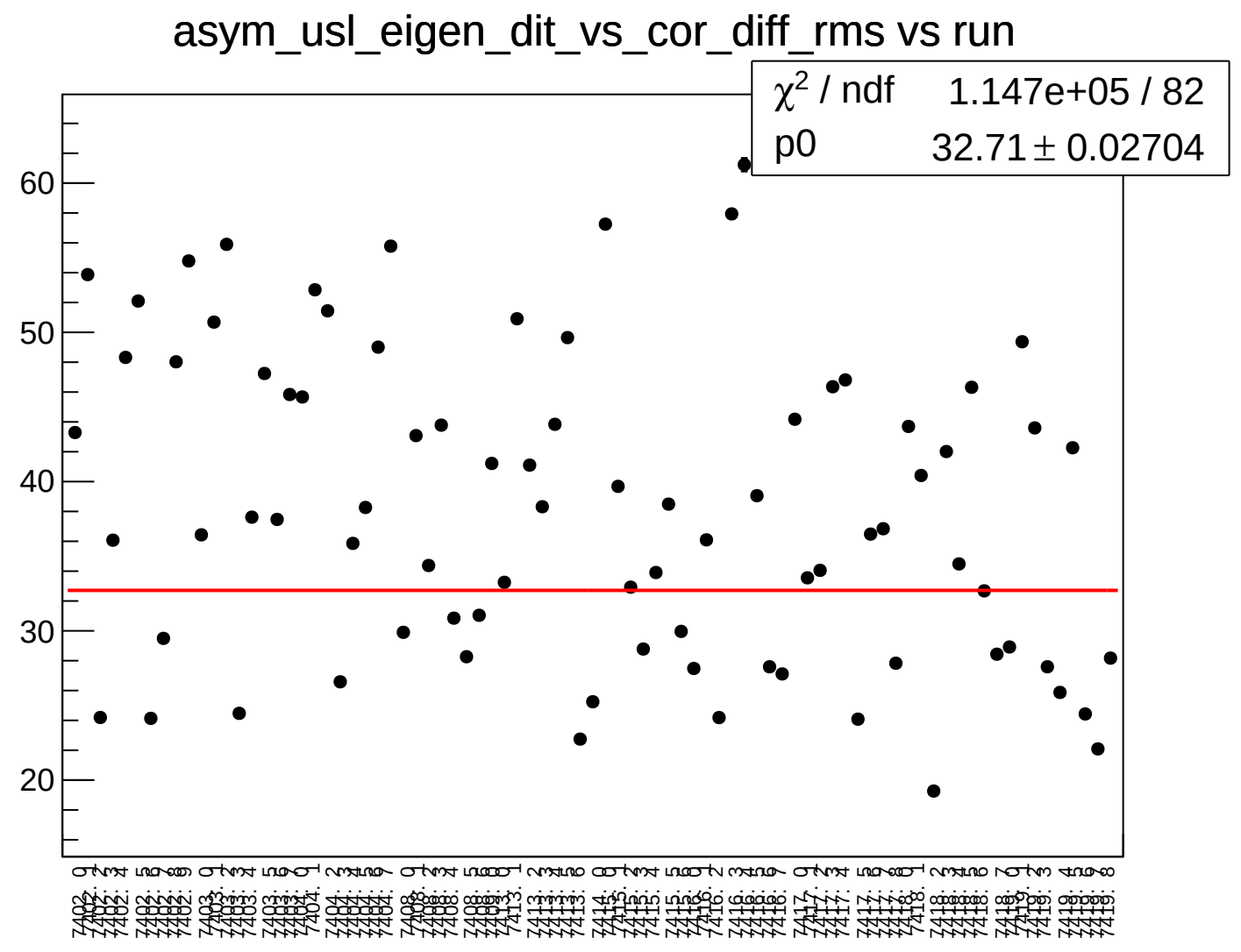

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.83 / 82
p0 −5.599e−07 ± 7.497e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 987.8
Std Dev 0
2
1
0
−1
−2

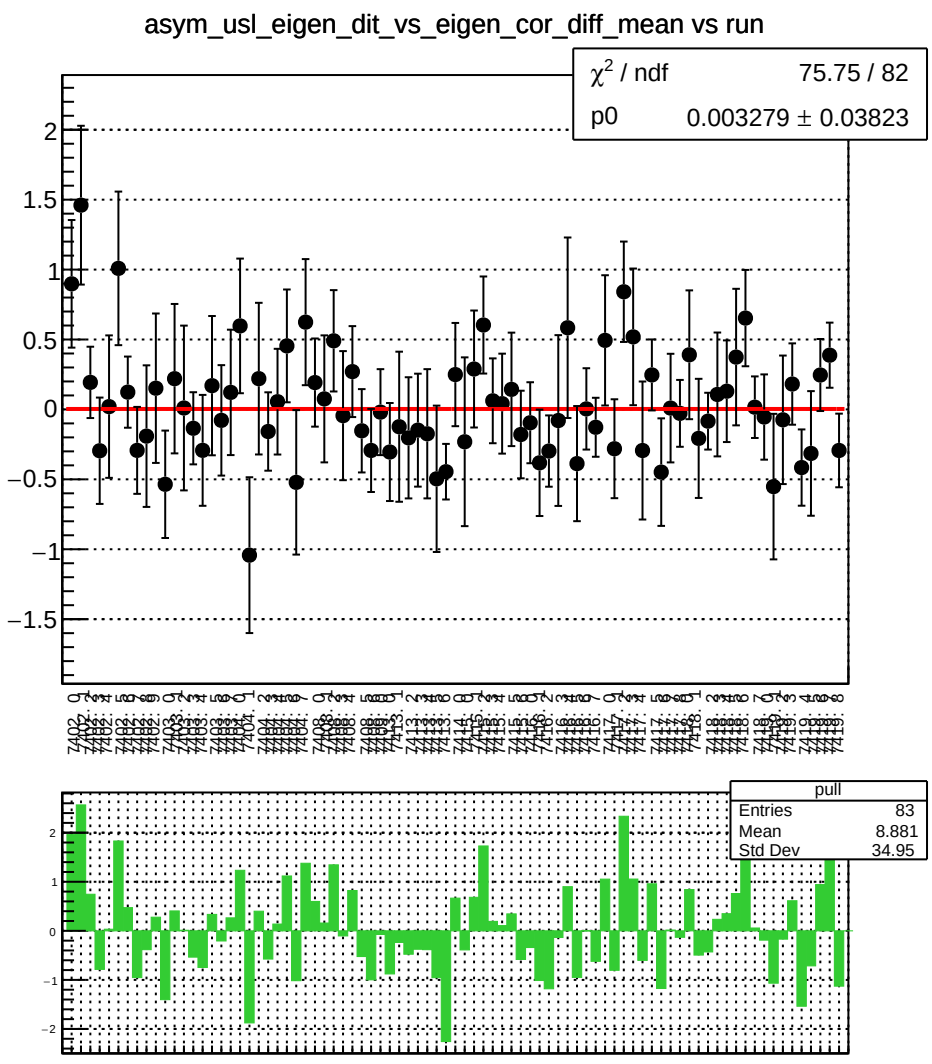

pull1D
Entries 83
Mean −0.004616
Std Dev 0.8838
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

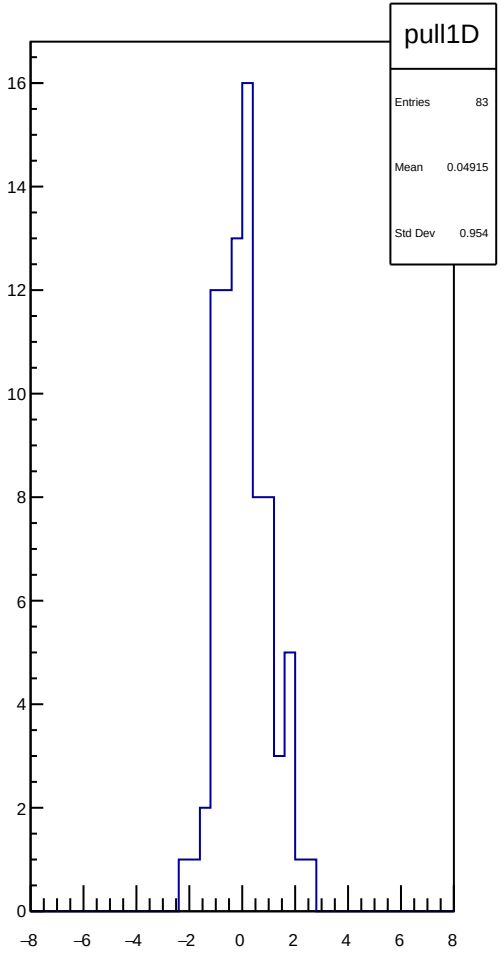

asym_usl_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.728e+04 / 82
p0 0.0006624 ± 5.301e−07
0.85
0.8
0.75
0.7
0.65
0.6
0.55

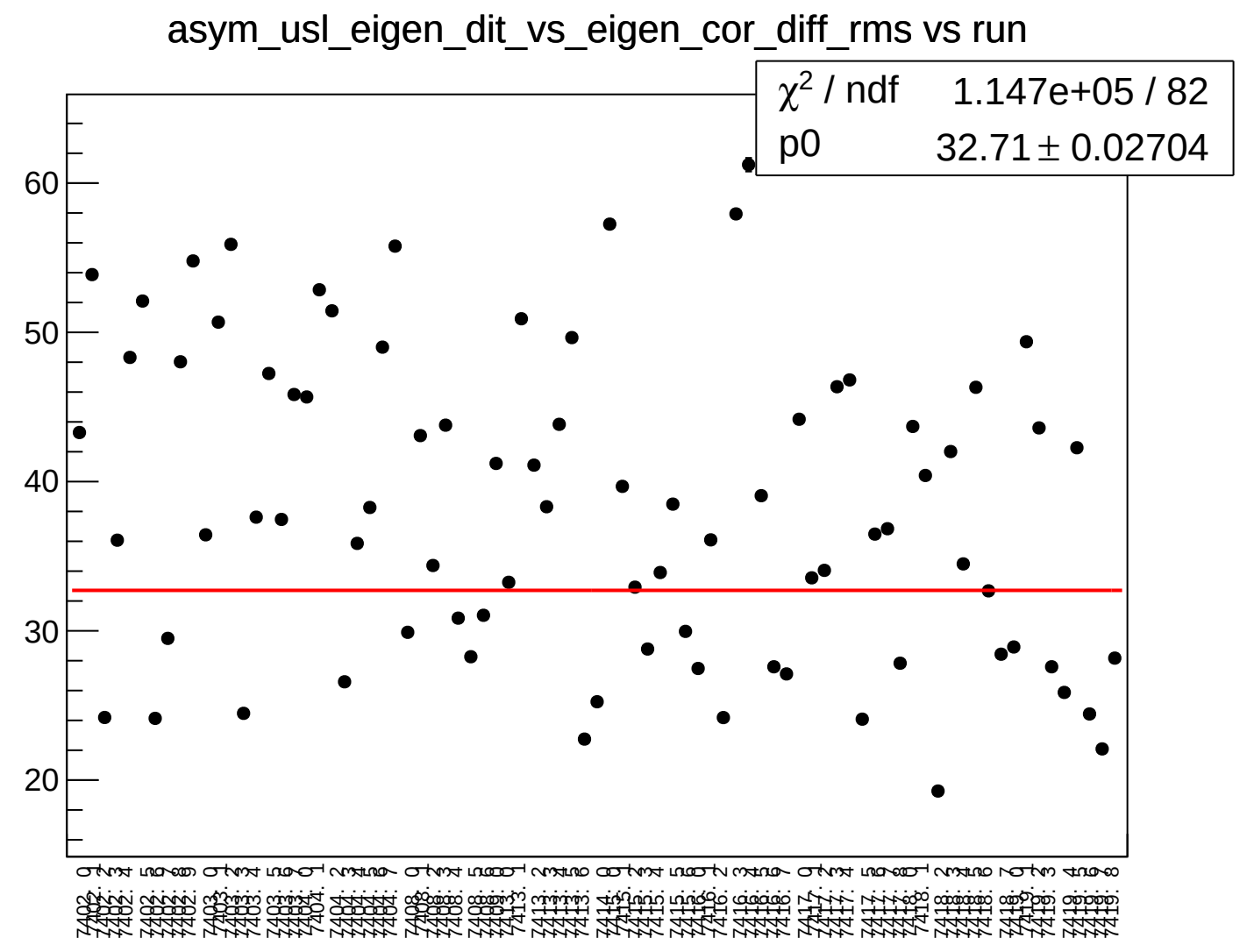

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.75 / 82
p0 0.003279 ± 0.03823
pull
Entries 83
Mean 8.881
Std Dev 34.95

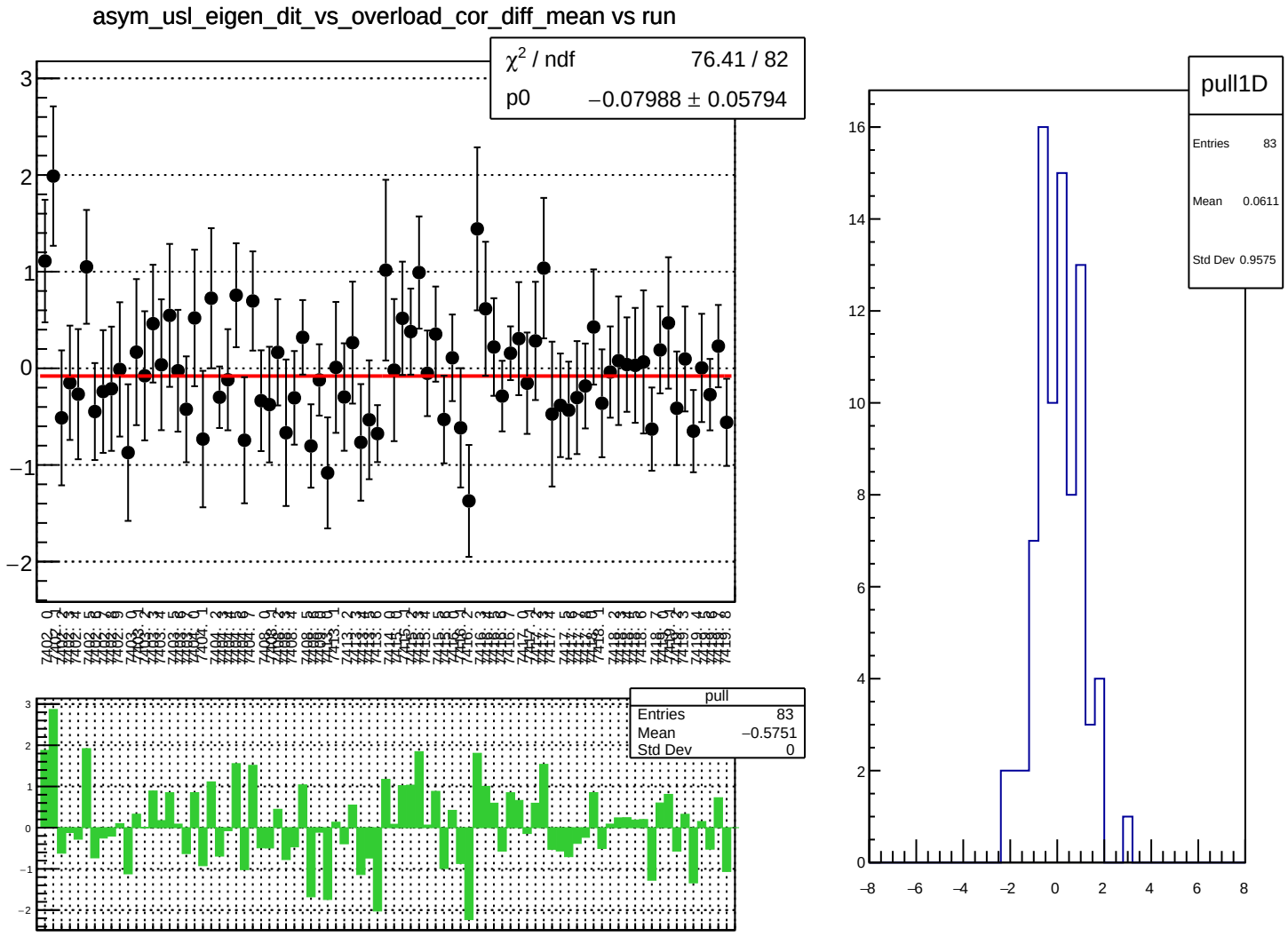

pull1D
Entries 83
Mean 0.04915
Std Dev 0.954

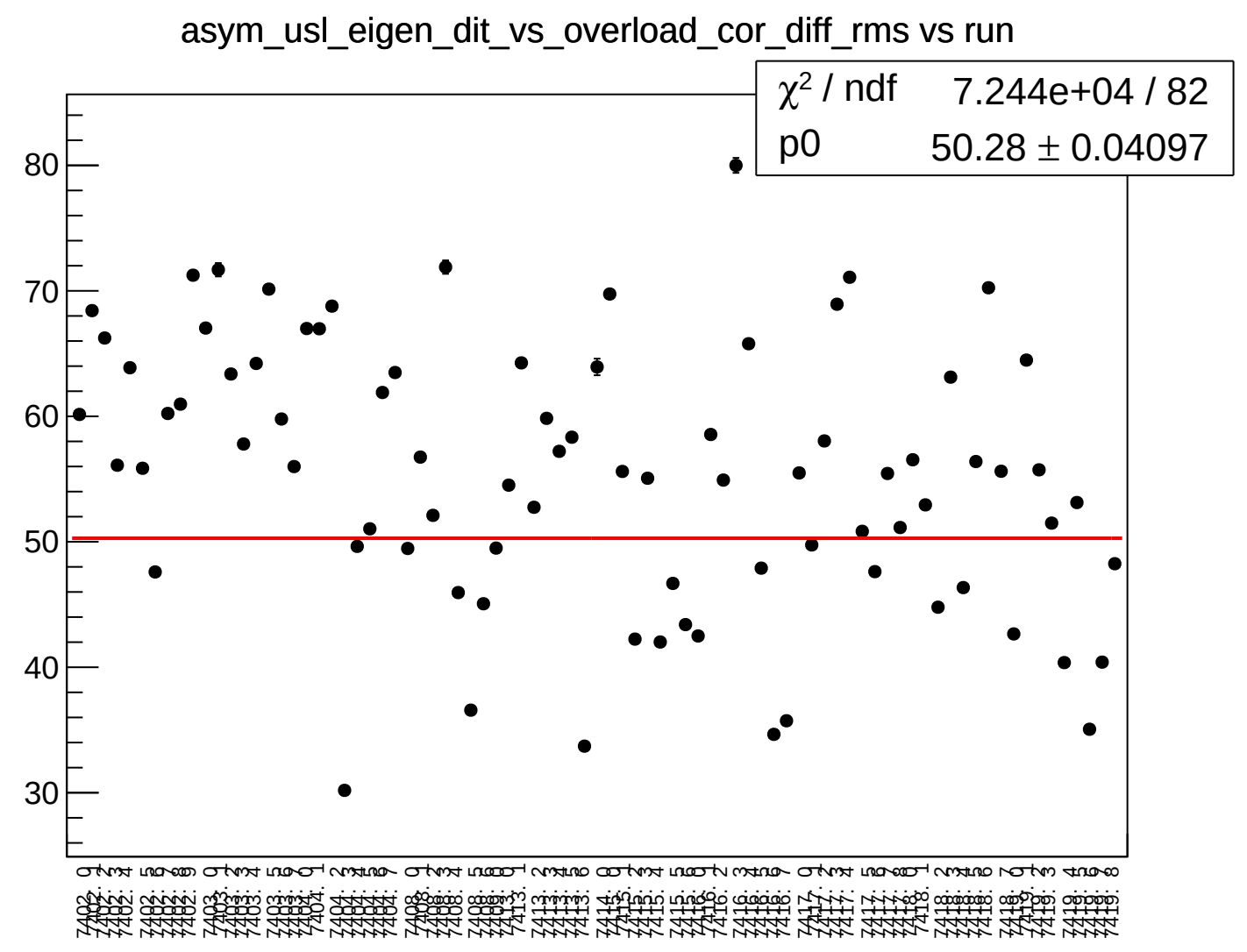

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 82
p0 32.71 ± 0.02704
60
50
40
30
20

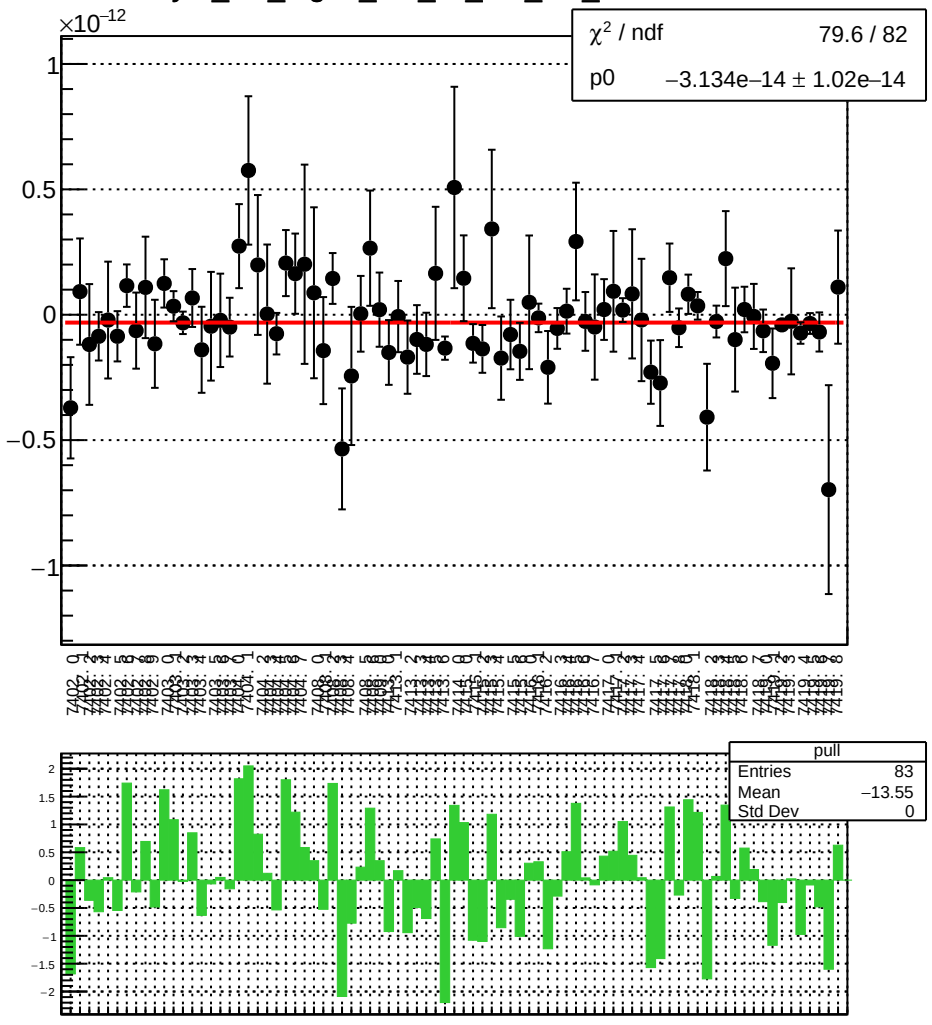

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.75 / 82
p0 0.003279 ± 0.03823
pull
Entries 83
Mean 8.881
Std Dev 34.95

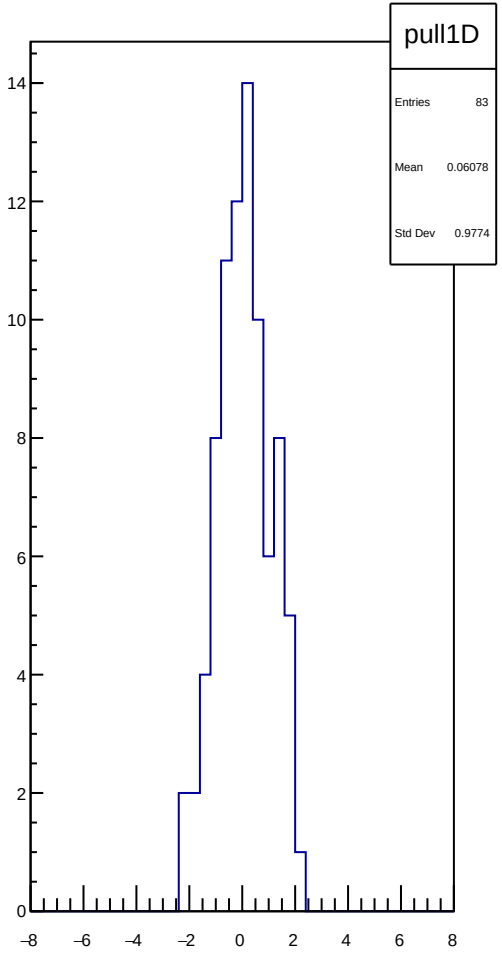

pull1D
Entries 83
Mean 0.04915
Std Dev 0.954

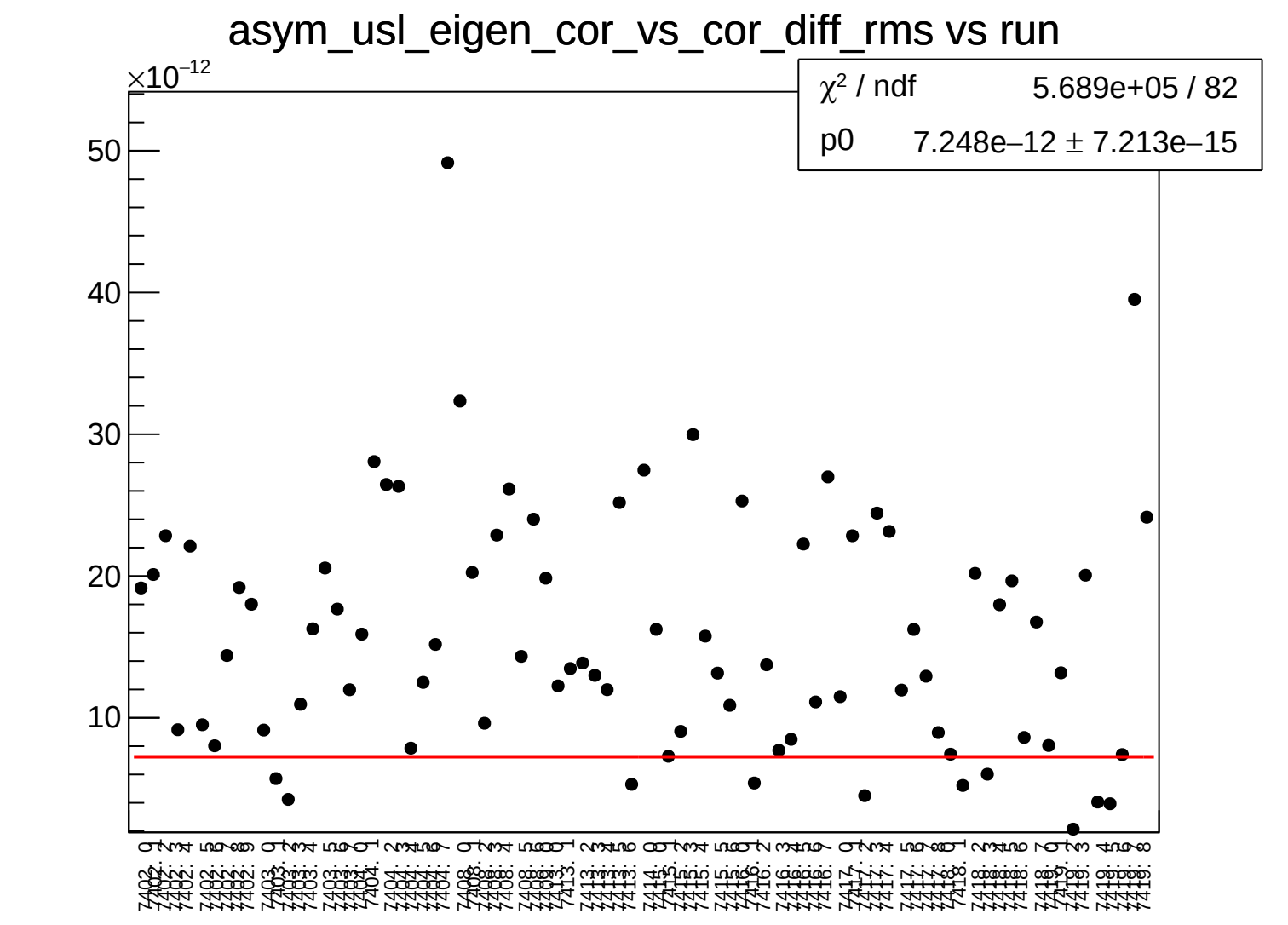

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.147e+05 / 82
p0 32.71 ± 0.02704
60
50
40
30
20

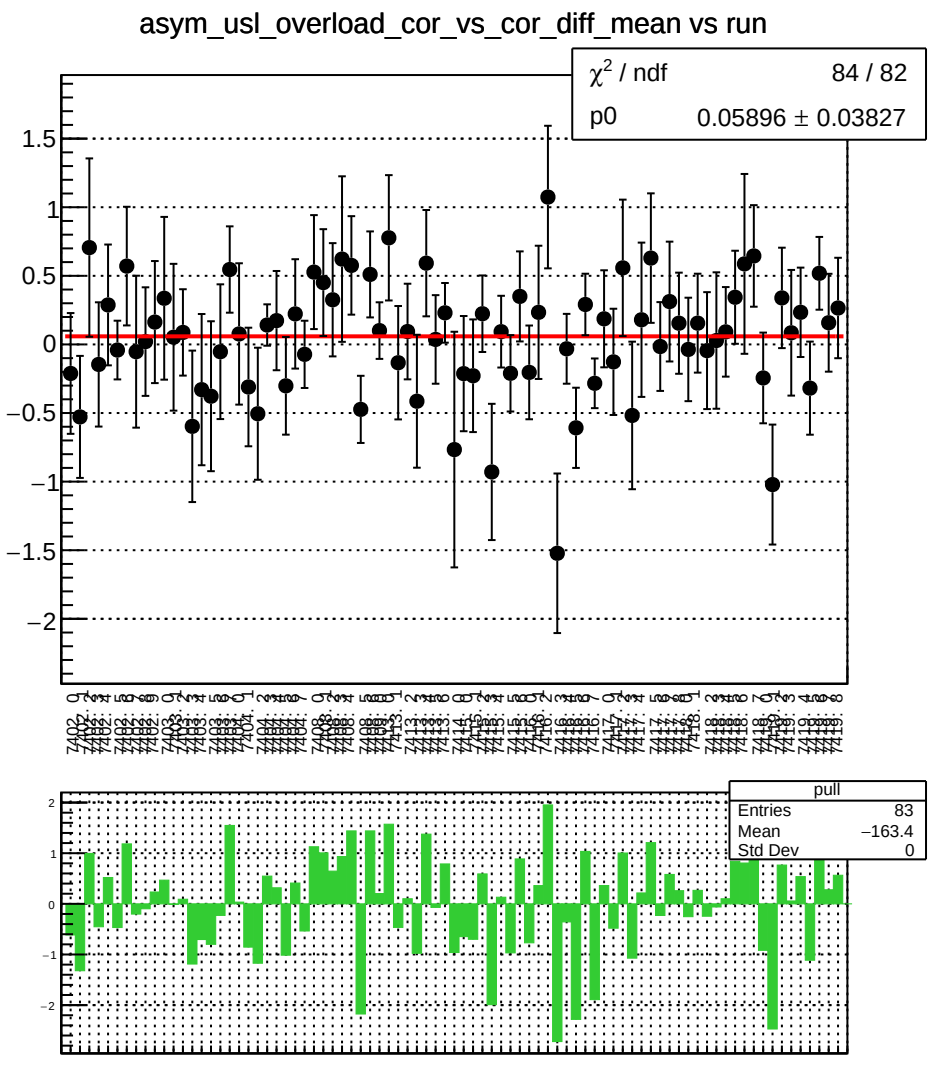

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 76.41 / 82
p0 −0.07988 ± 0.05794
pull
Entries 83
Mean −0.5751
Std Dev 0
pull1D
Entries 83
Mean 0.0611
Std Dev 0.9575

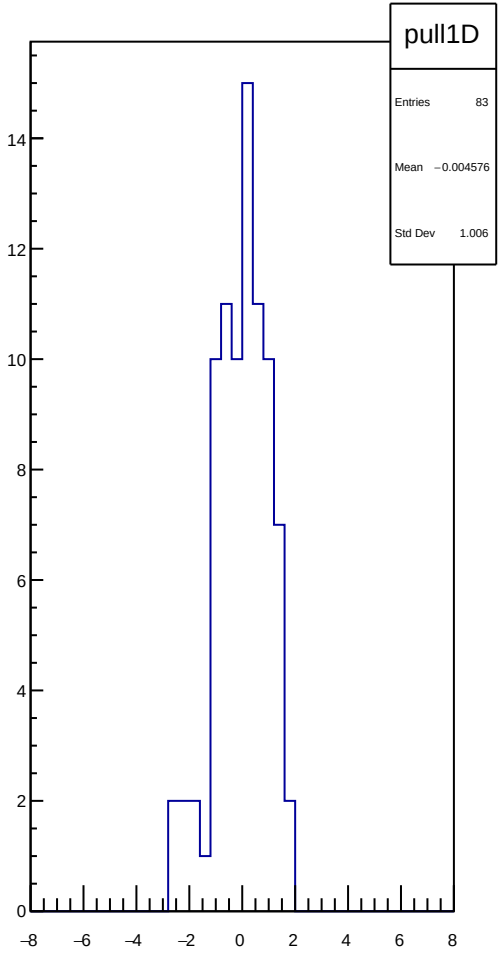

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.244e+04 / 82
p0 50.28 ± 0.04097
80
70
60
50
40
30

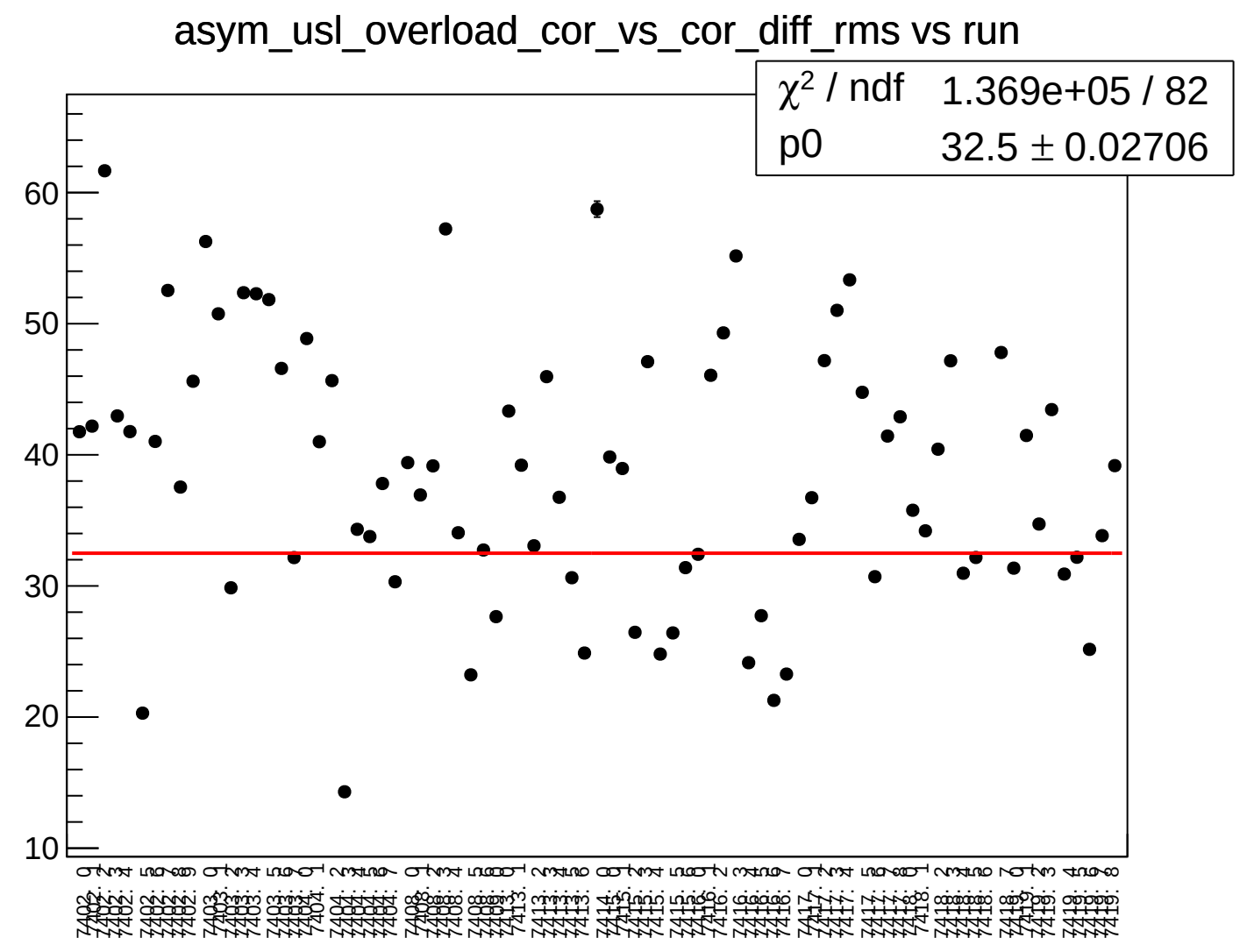

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.6 / 82
p0 −3.134e−14 ± 1.02e−14
pull
Entries 83
Mean −13.55
Std Dev 0

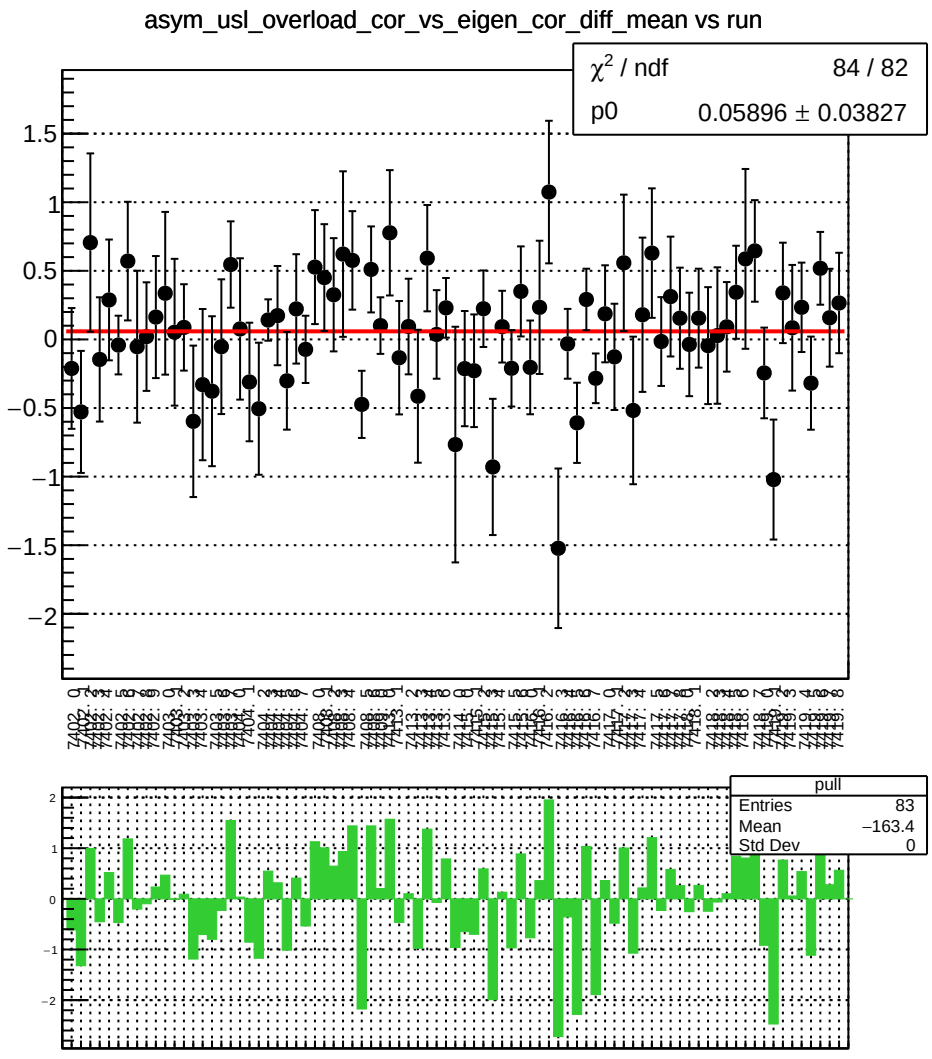

pull1D
Entries 83
Mean 0.06078
Std Dev 0.9774

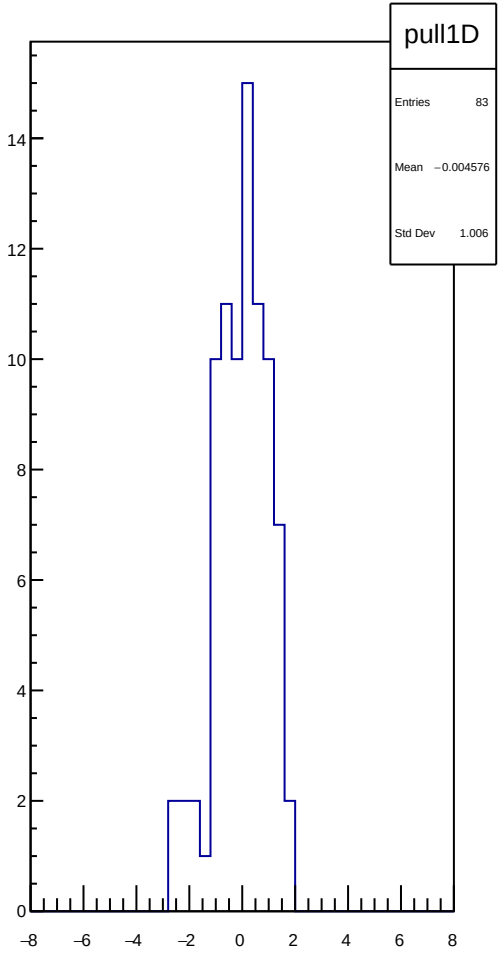

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.689e+05 / 82
p0 7.248e−12 ± 7.213e−15
50
40
30
20
10

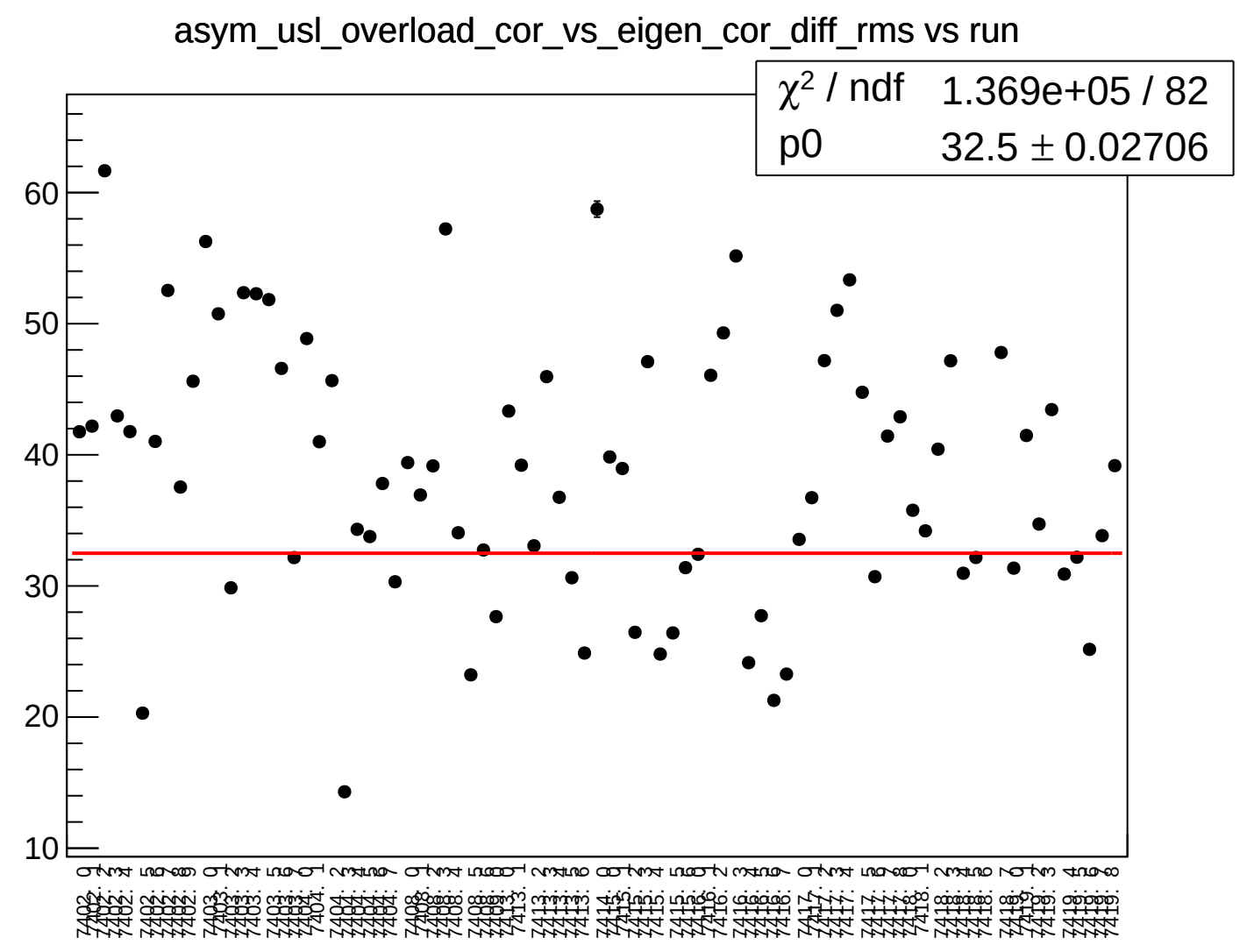

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 84 / 82
p0 0.05896 ± 0.03827
pull
Entries 83
Mean −163.4
Std Dev 0

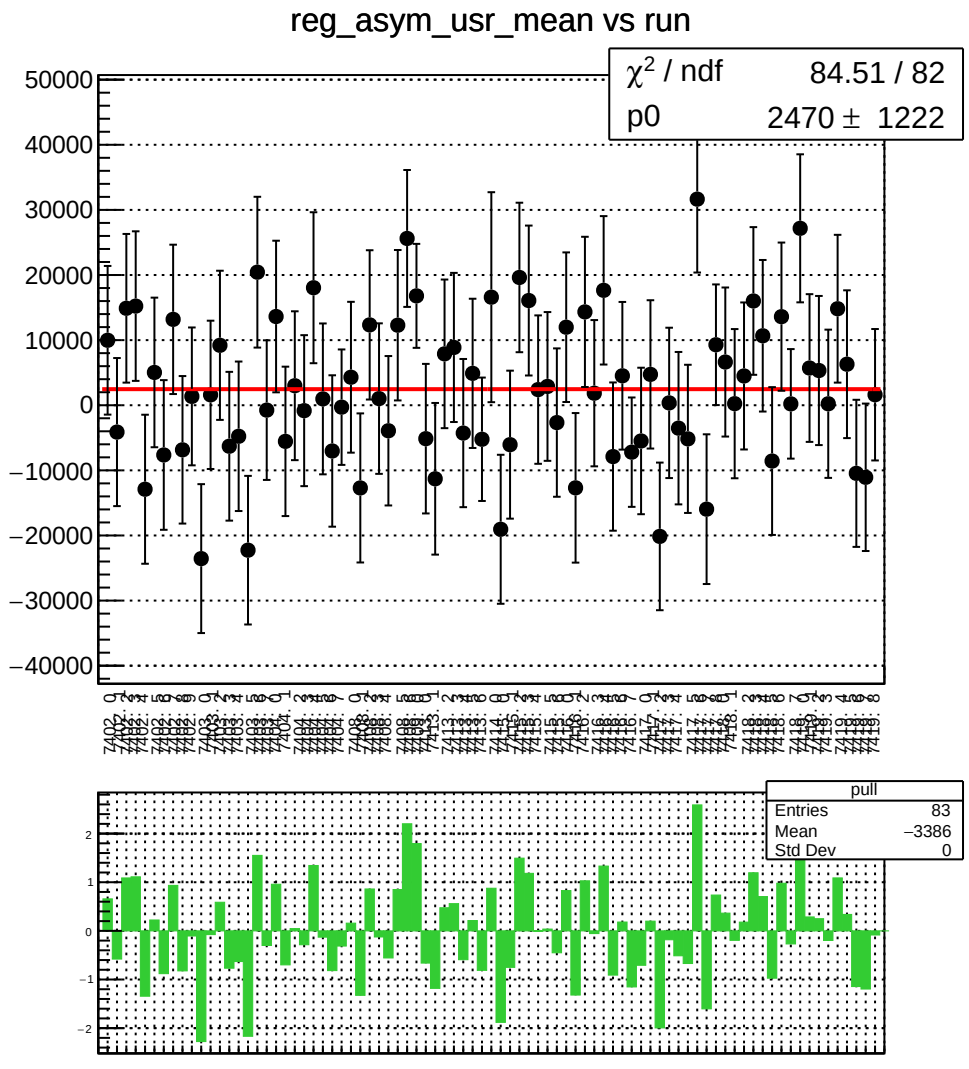

pull1D
Entries 83
Mean −0.004576
Std Dev 1.006

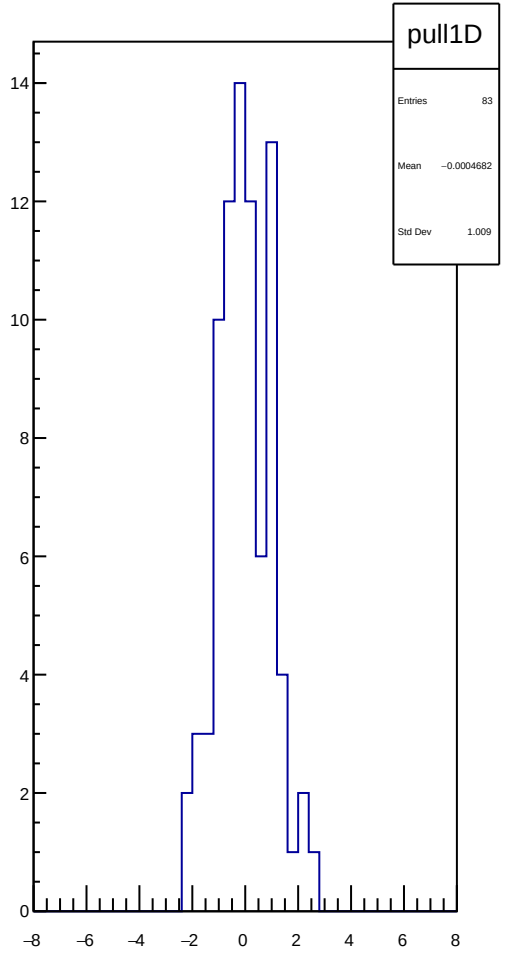

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.369e+05 / 82
p0 32.5 ± 0.02706
60
50
40
30
20
10

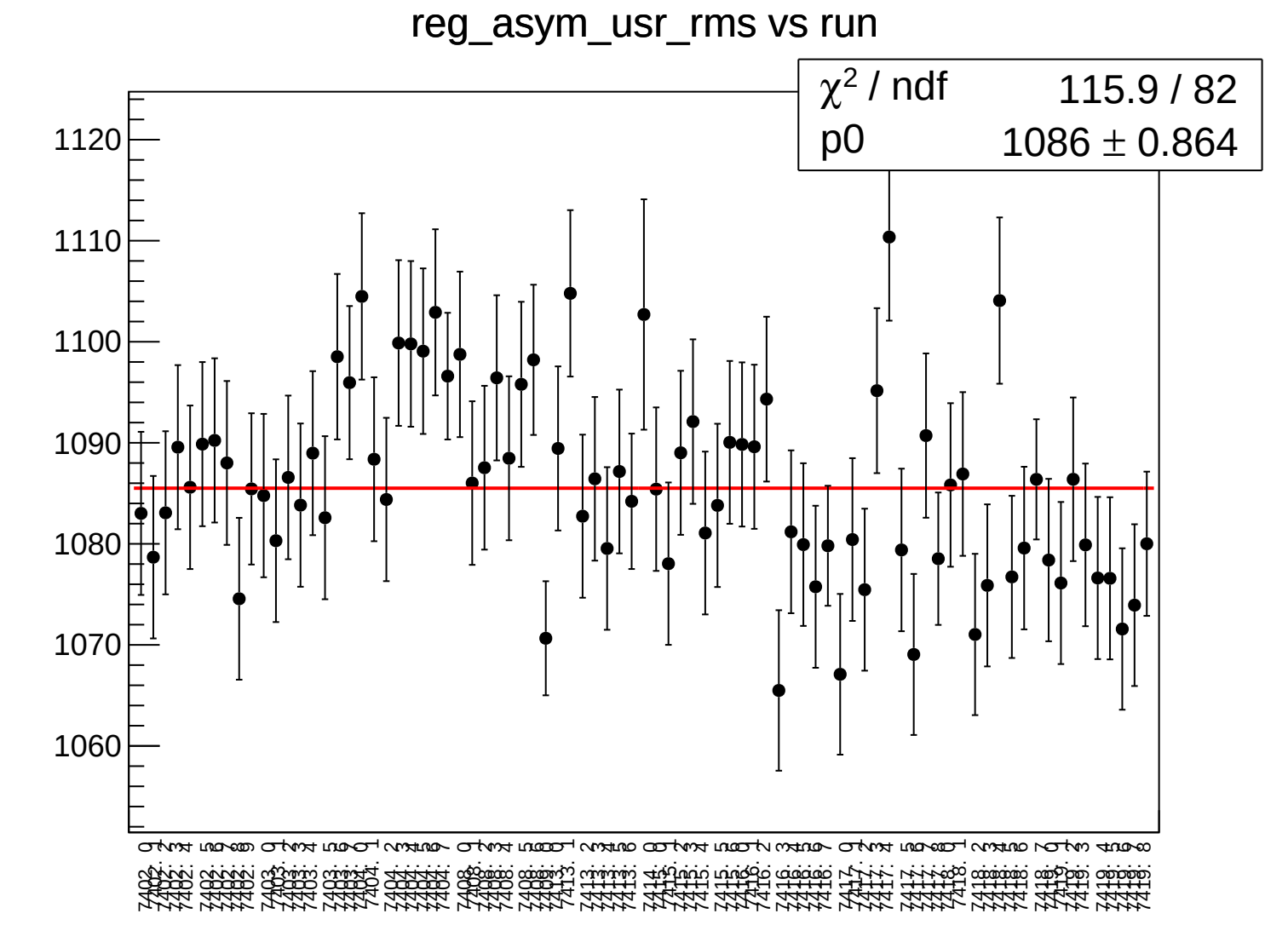

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 84 / 82
p0 0.05896 ± 0.03827
pull
Entries 83
Mean −163.4
Std Dev 0

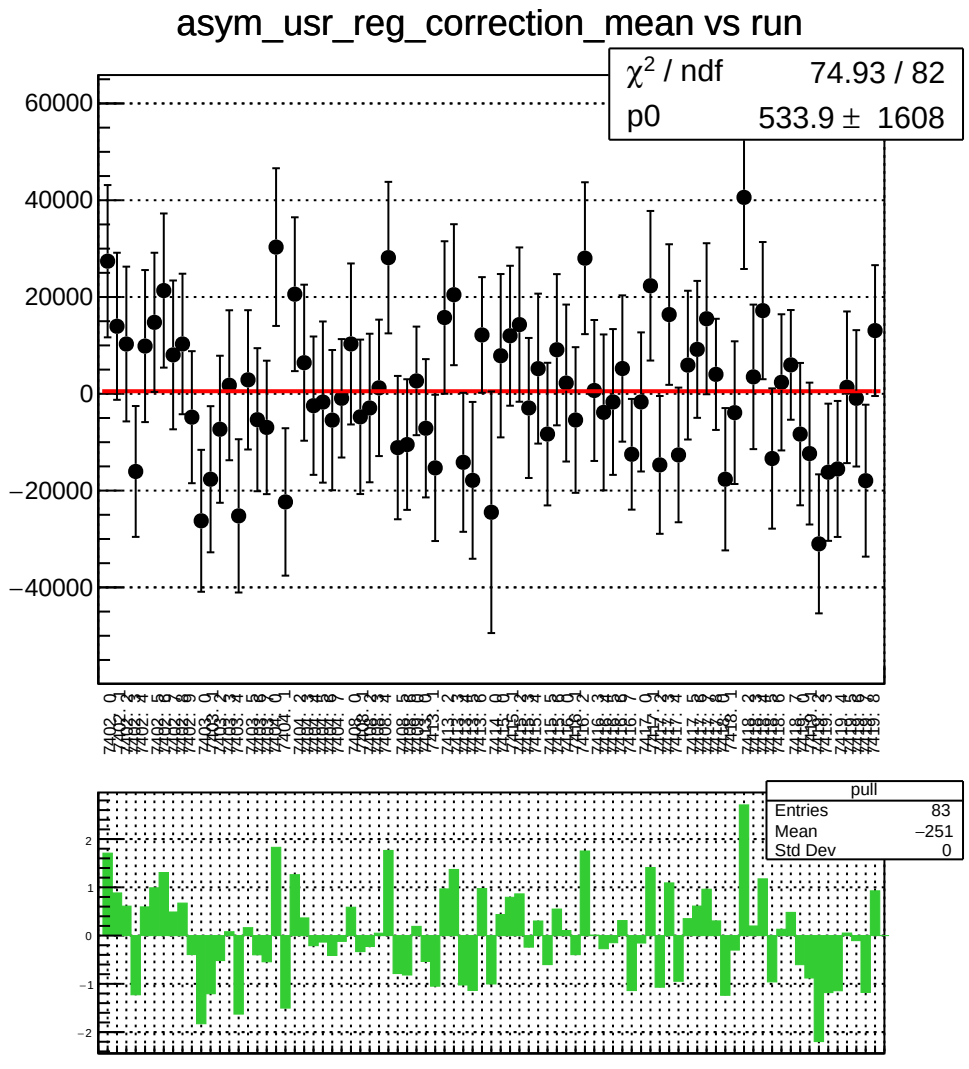

pull1D
Entries 83
Mean −0.004576
Std Dev 1.006

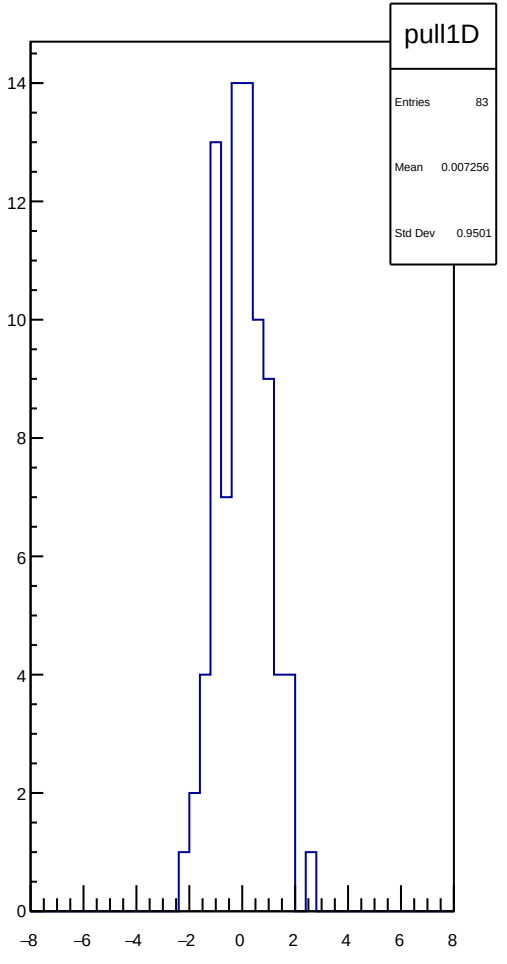

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.369e+05 / 82
p0 32.5 ± 0.02706
60
50
40
30
20
10

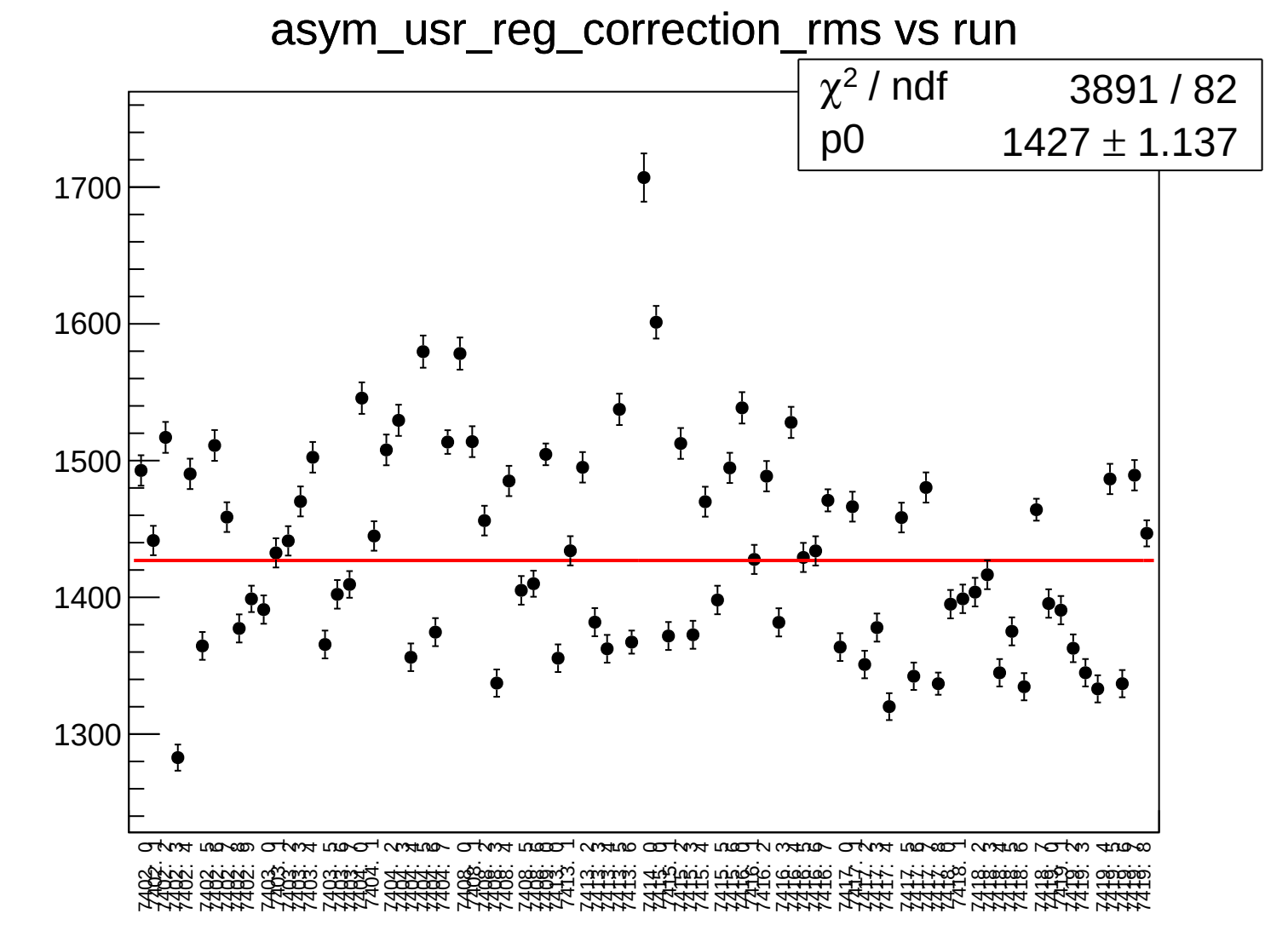

reg_asym_usr_mean vs run
χ² / ndf 84.51 / 82
p0 2470 ± 1222
pull
Entries 83
Mean −3386
Std Dev 0

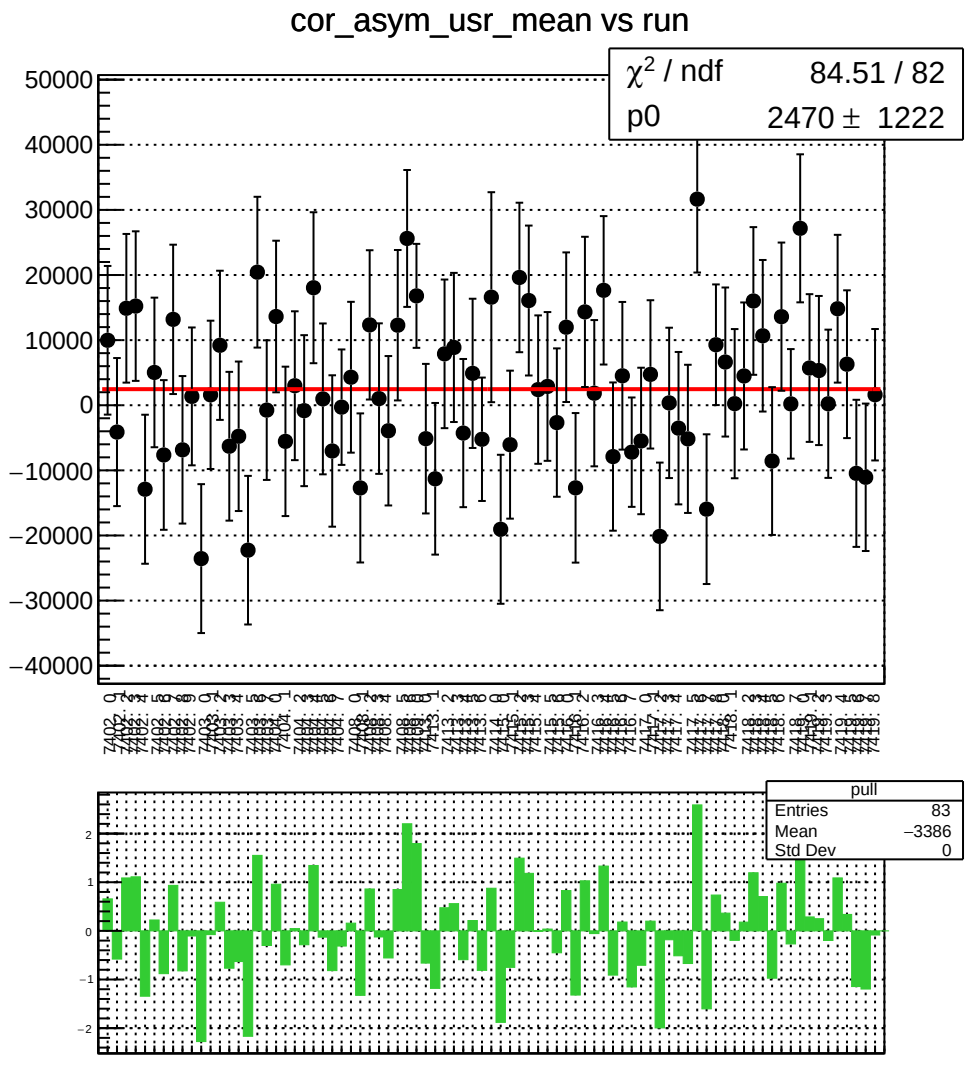

pull1D
Entries 83
Mean −0.0004682
Std Dev 1.009

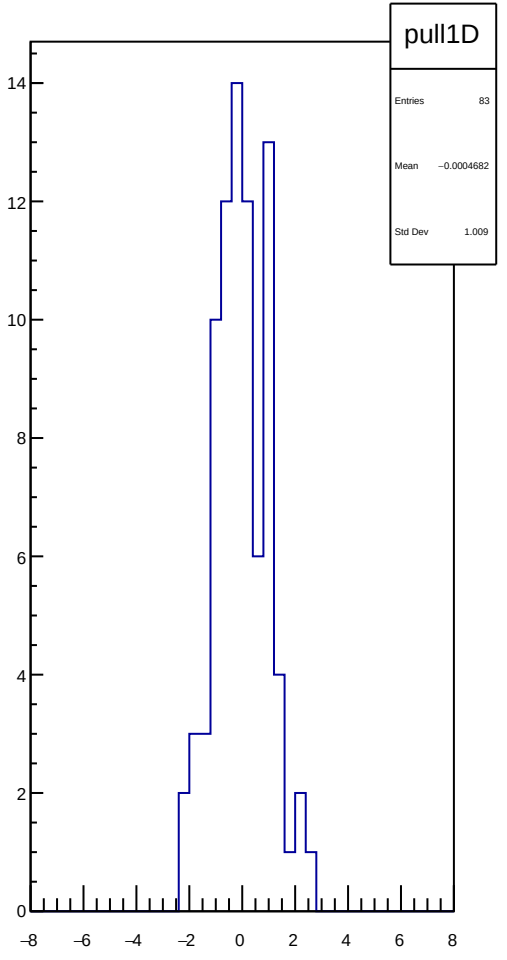

reg_asym_usr_rms vs run
χ^2 / ndf 115.9 / 82
p0 1086 ± 0.864
1120
1110
1100
1090
1080
1070
1060

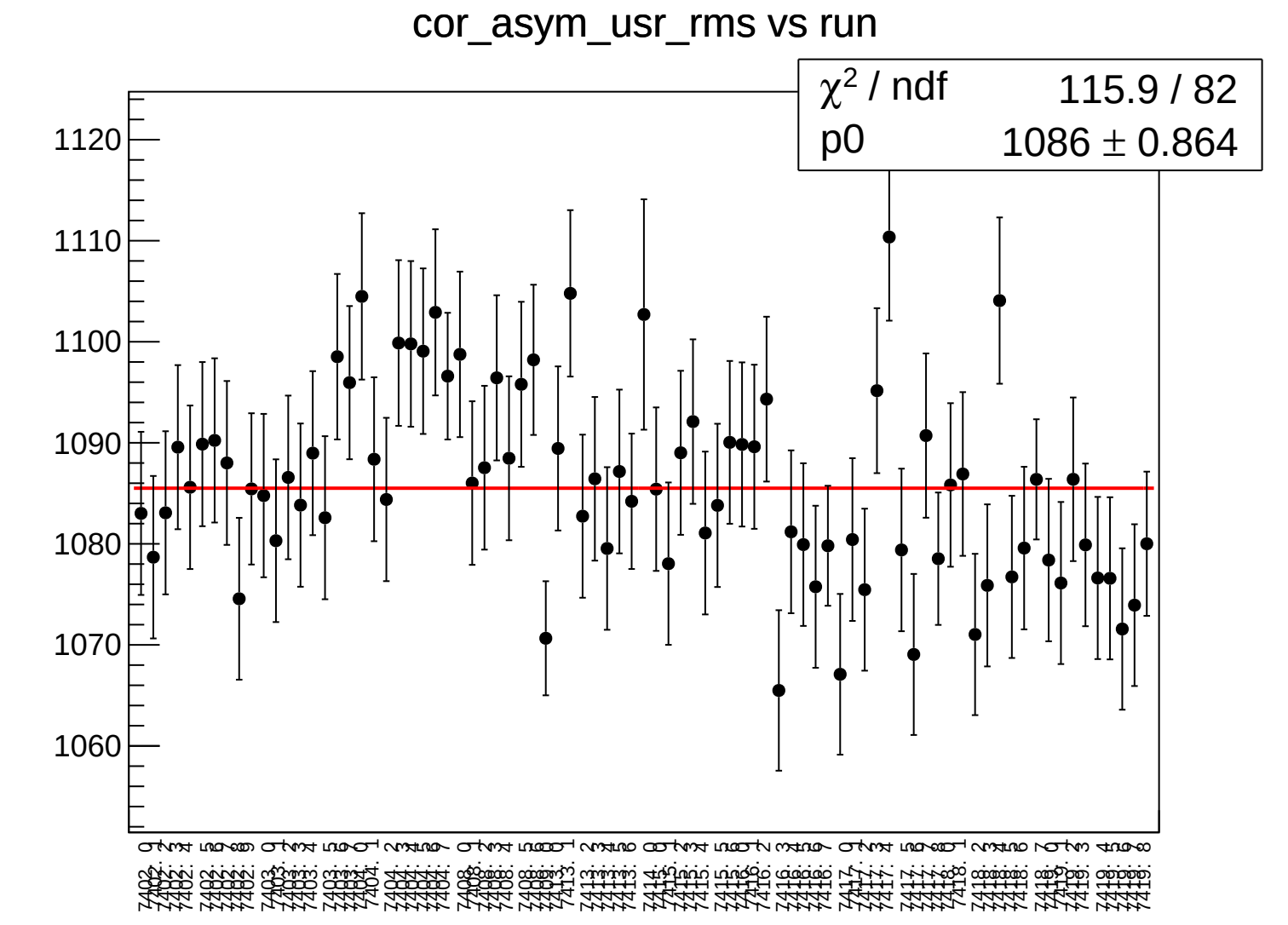

asym_usr_reg_correction_mean vs run
χ² / ndf 74.93 / 82
p0 533.9 ± 1608
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −251
Std Dev 0
2
1
0
−1
−2

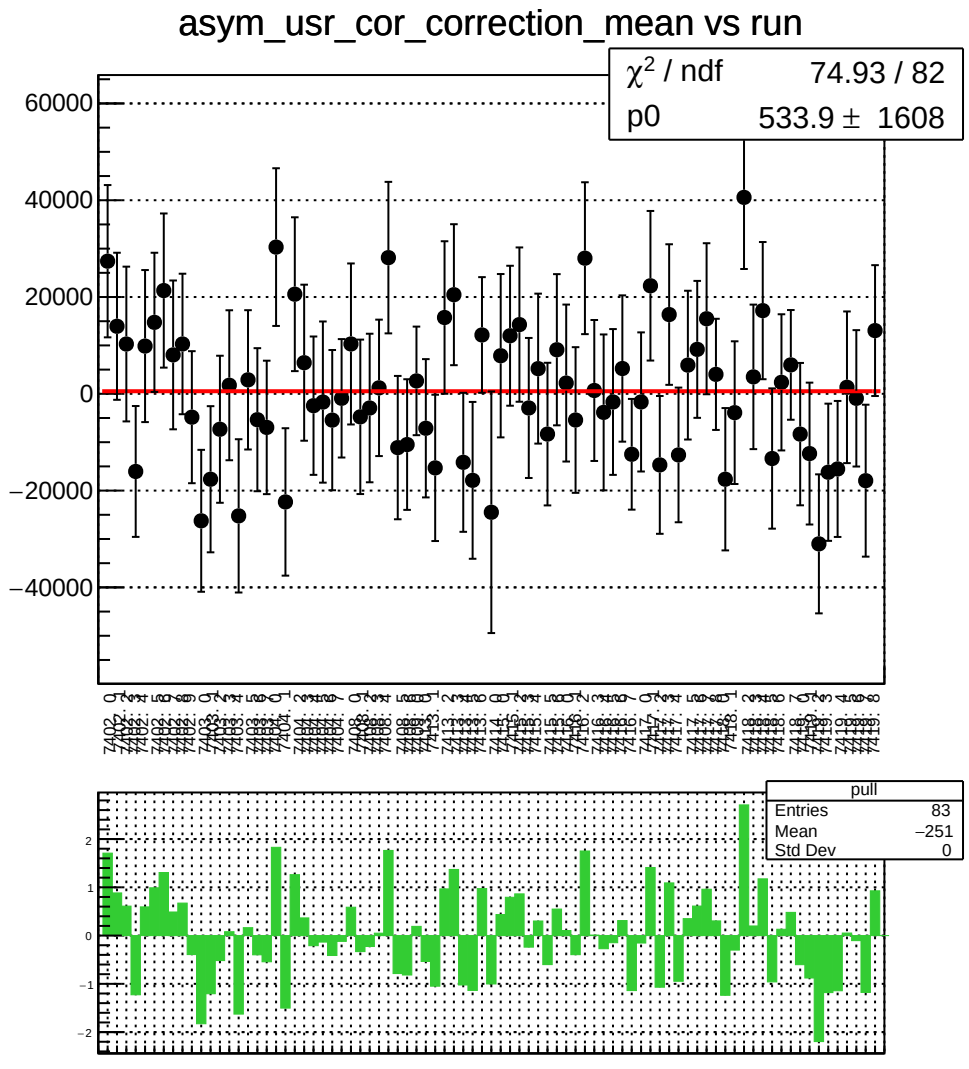

pull1D
Entries 83
Mean 0.007256
Std Dev 0.9501
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

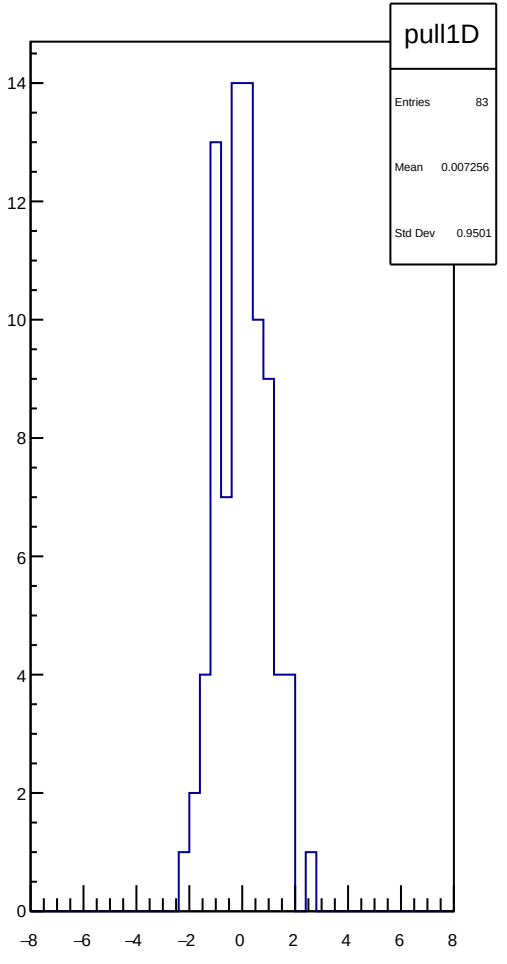

asym_usr_reg_correction_rms vs run
χ² / ndf 3891 / 82
p0 1427 ± 1.137
1700
1600
1500
1400
1300

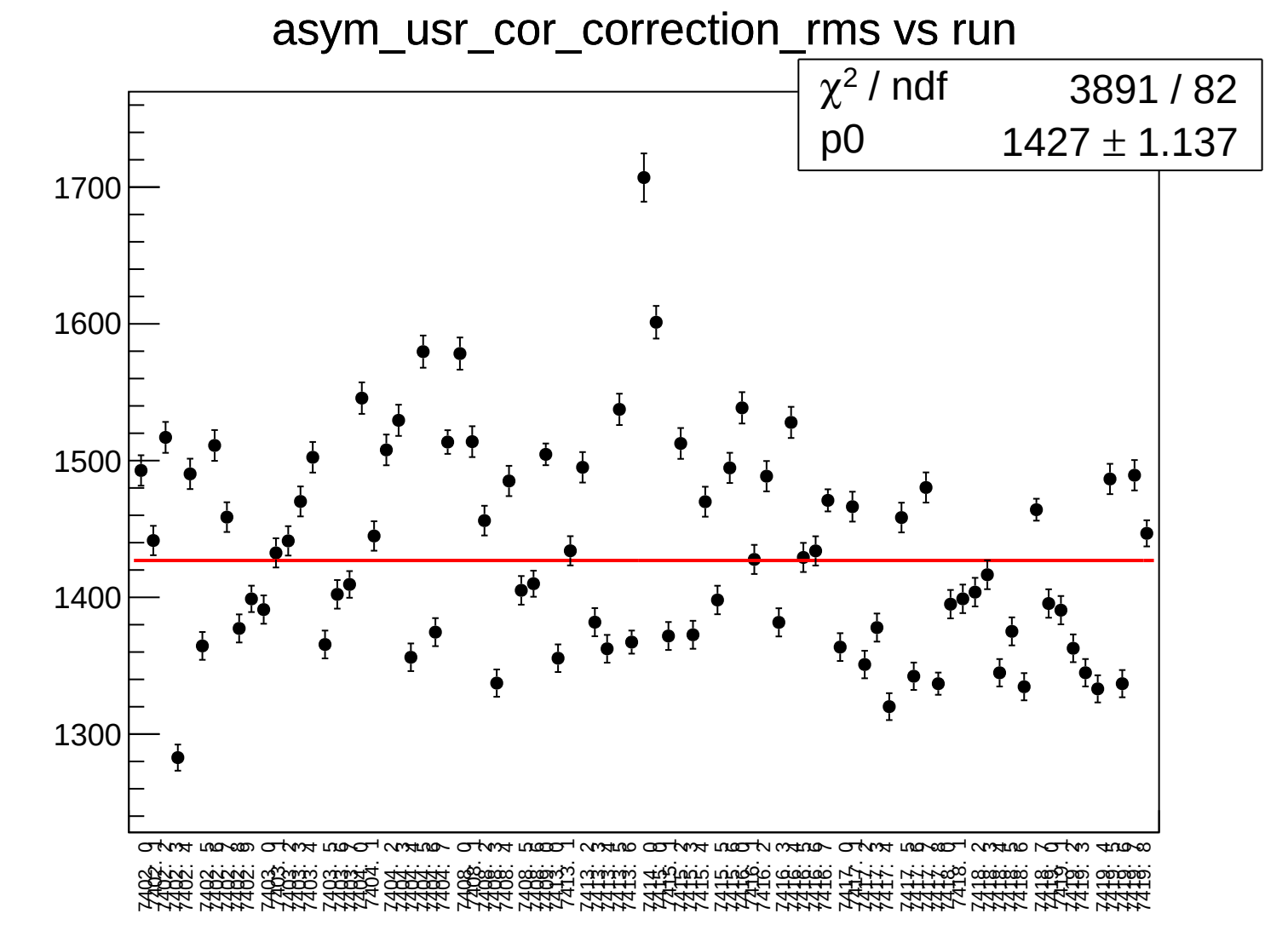

cor_asym_usr_mean vs run
χ² / ndf 84.51 / 82
p0 2470 ± 1222
pull
Entries 83
Mean −3386
Std Dev 0

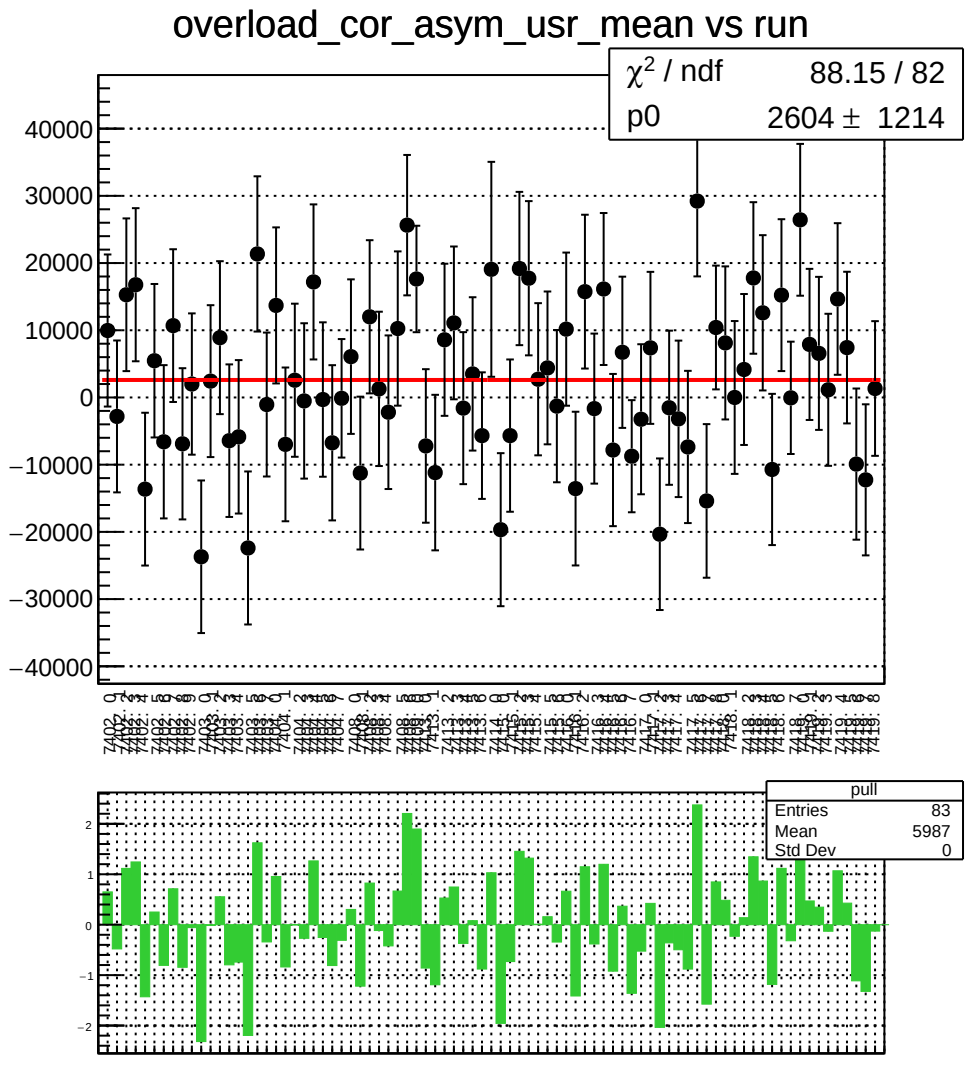

pull1D
Entries 83
Mean −0.0004682
Std Dev 1.009

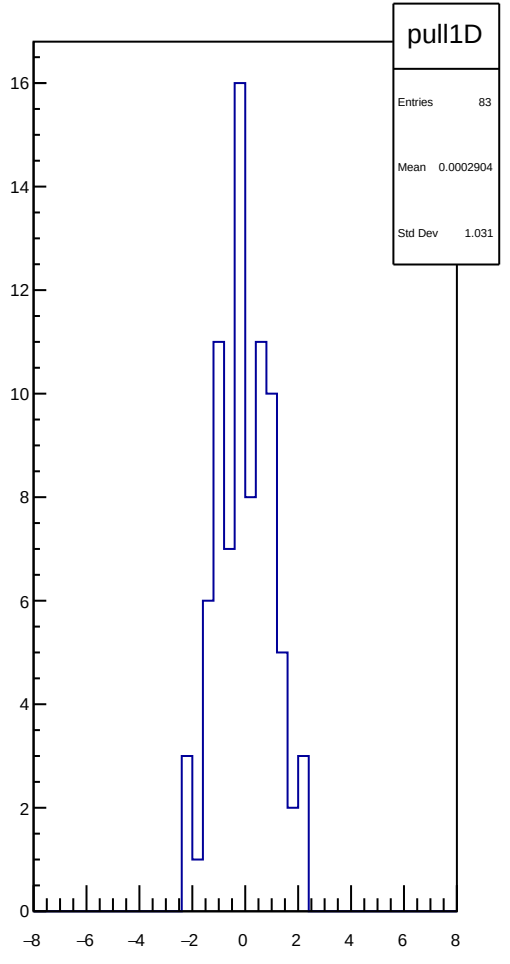

cor_asym_usr_rms vs run
χ^2 / ndf 115.9 / 82
p0 1086 ± 0.864
1120
1110
1100
1090
1080
1070
1060

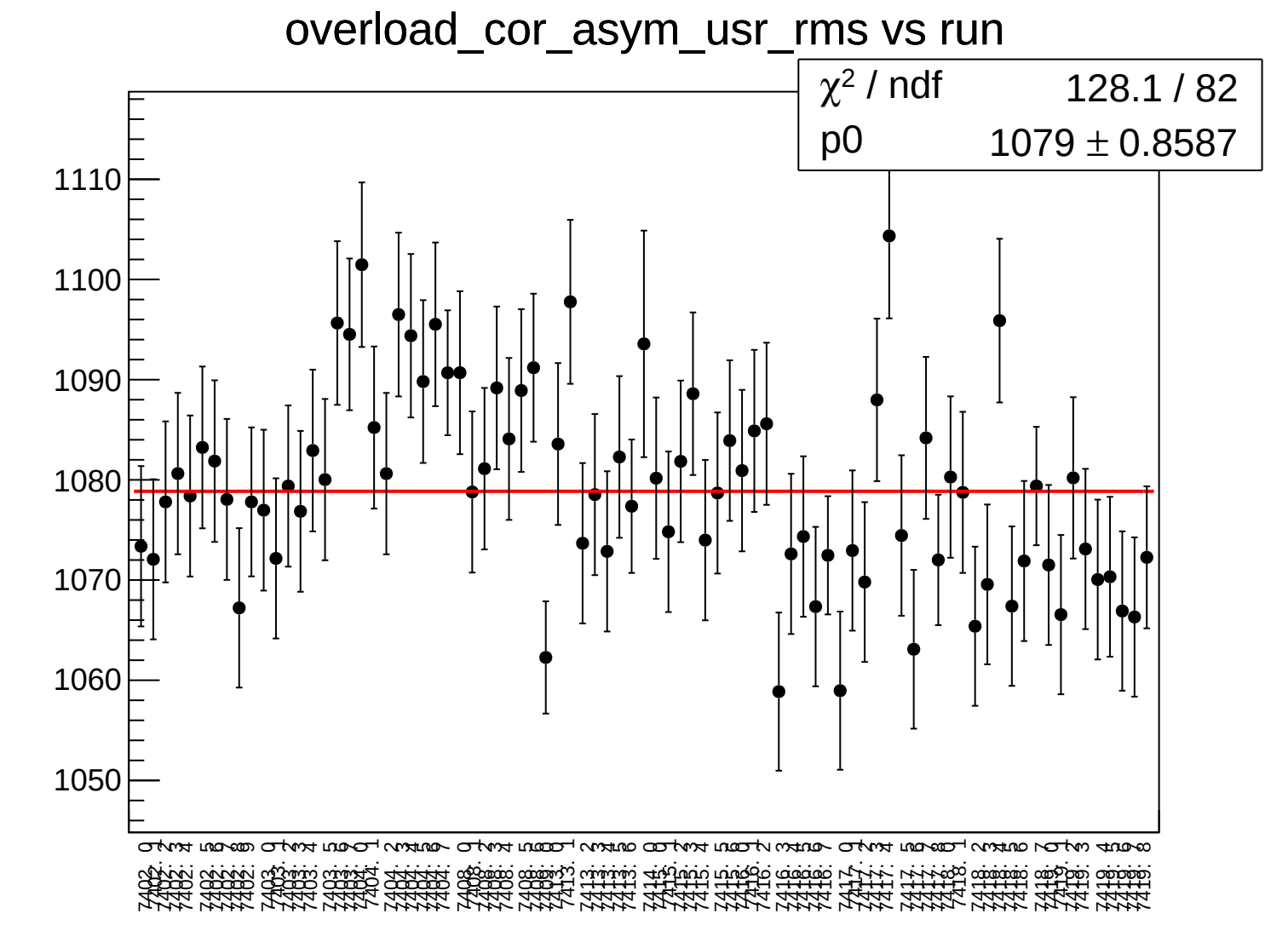

asym_usr_cor_correction_mean vs run
χ² / ndf 74.93 / 82
p0 533.9 ± 1608
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −251
Std Dev 0
2
1
0
−1
−2

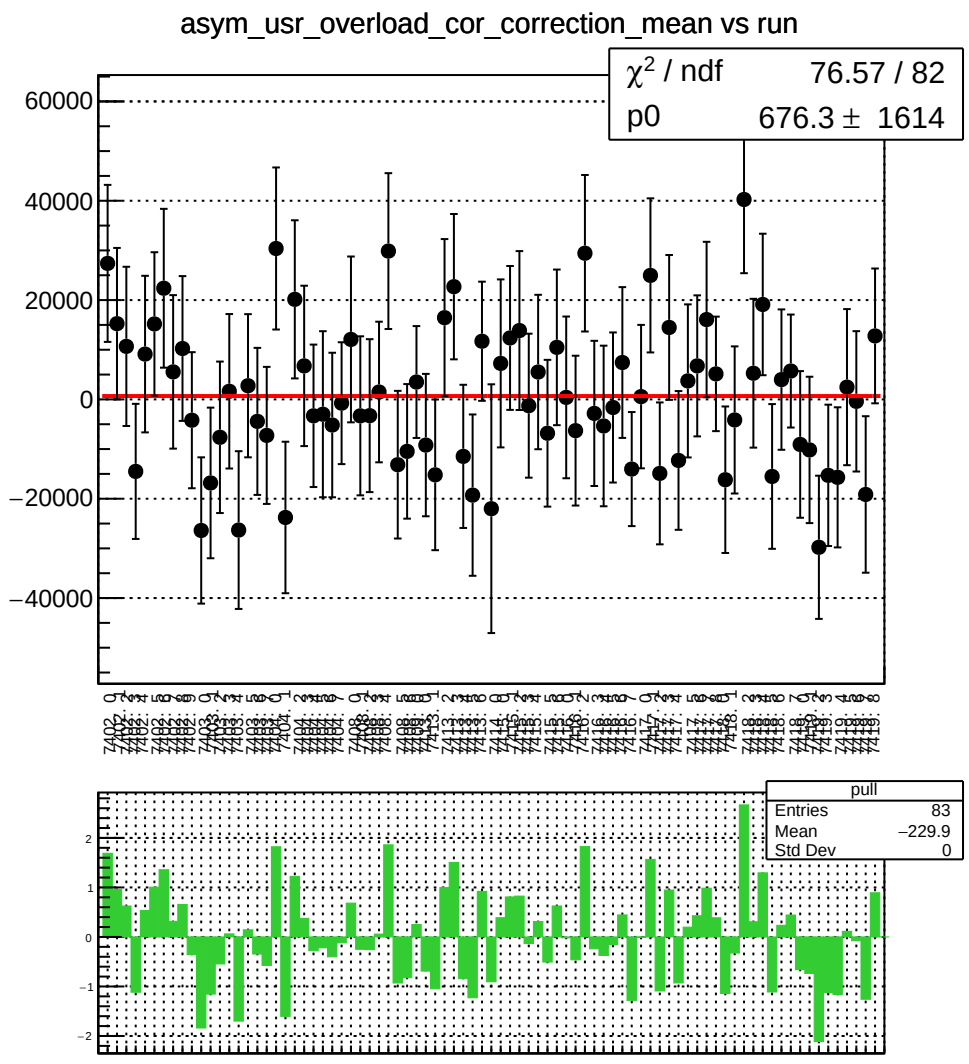

pull1D
Entries 83
Mean 0.007256
Std Dev 0.9501
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

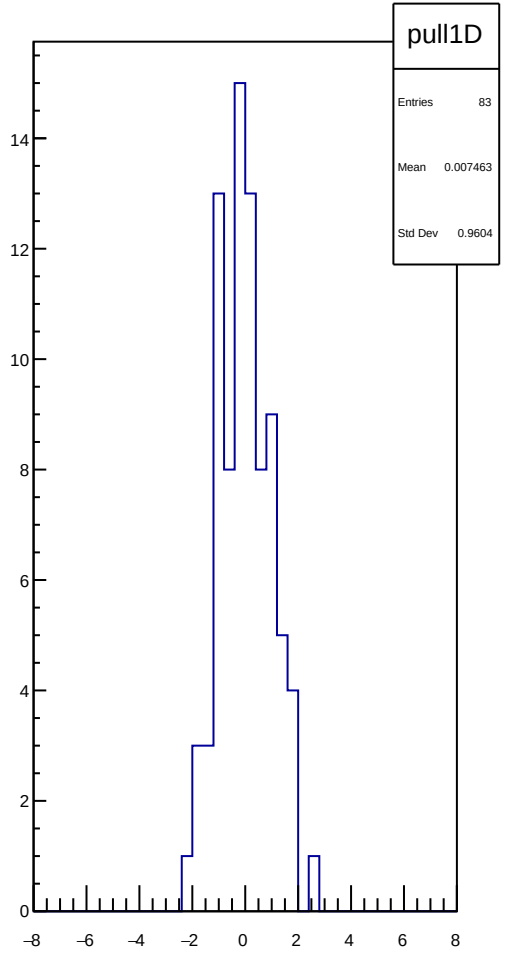

asym_usr_cor_correction_rms vs run
χ² / ndf 3891 / 82
p0 1427 ± 1.137
1700
1600
1500
1400
1300

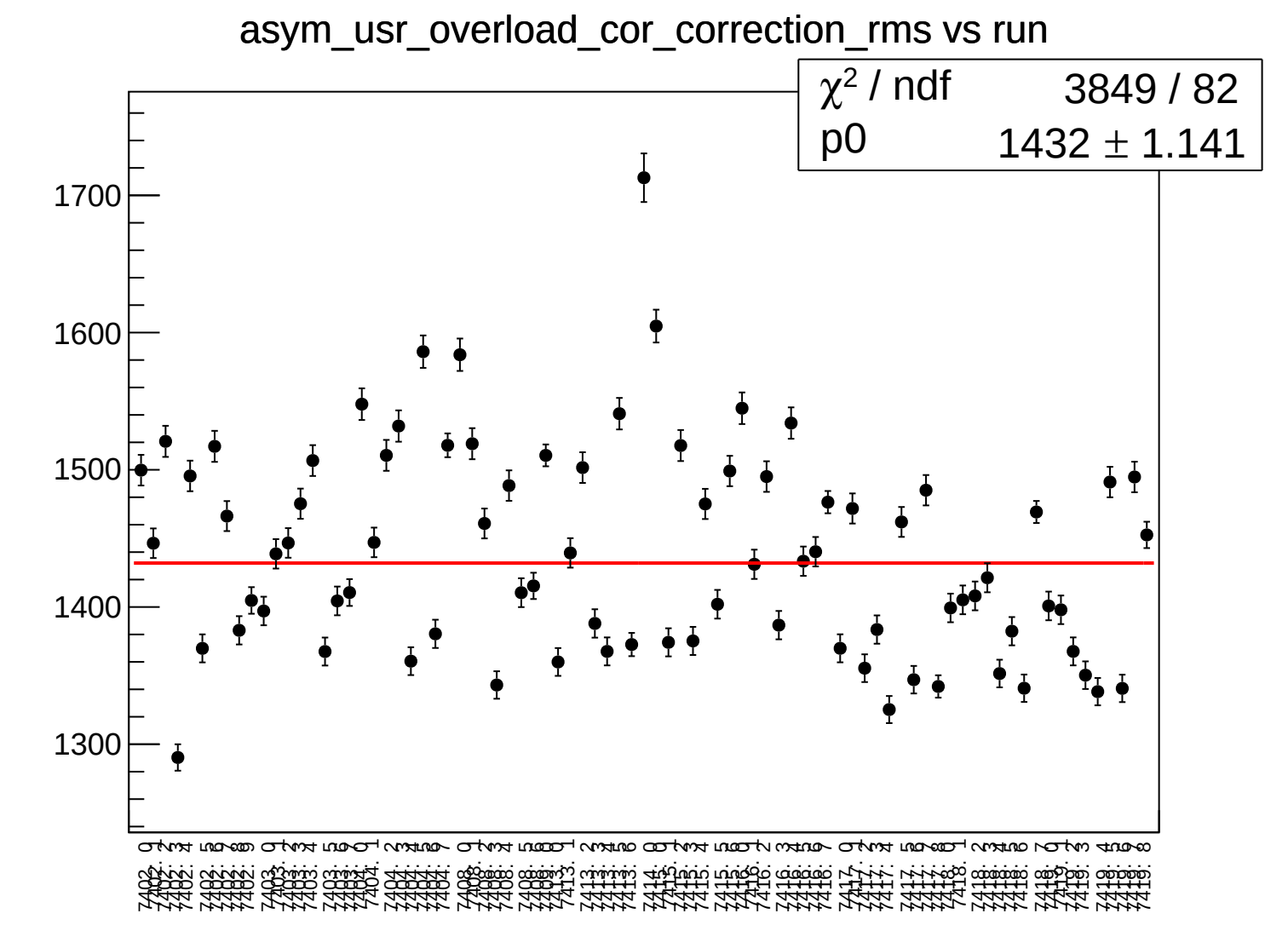

overload_cor_asym_usr_mean vs run
χ² / ndf 88.15 / 82
p0 2604 ± 1214
pull
Entries 83
Mean 5987
Std Dev 0

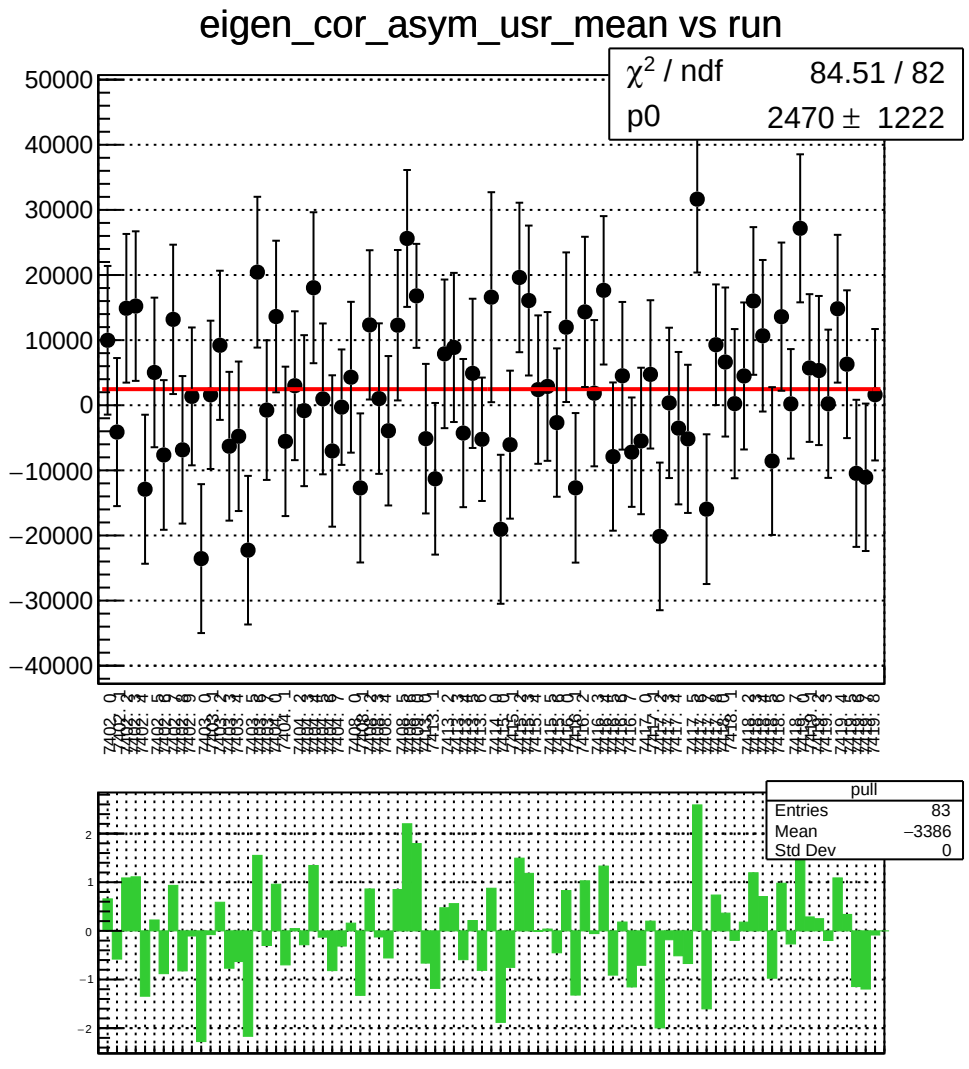

pull1D
Entries 83
Mean 0.0002904
Std Dev 1.031

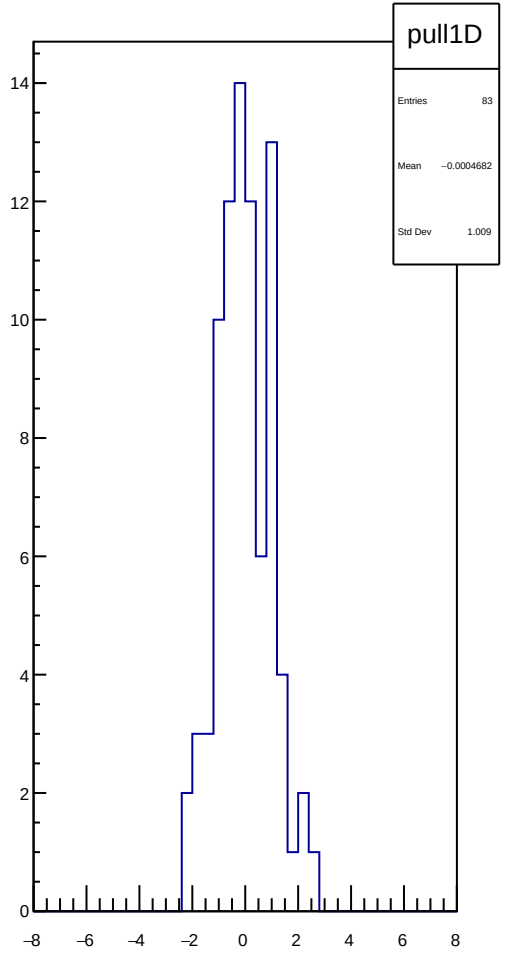

overload_cor_asym_usr_rms vs run
χ² / ndf 128.1 / 82
p0 1079 ± 0.8587
1110
1100
1090
1080
1070
1060
1050

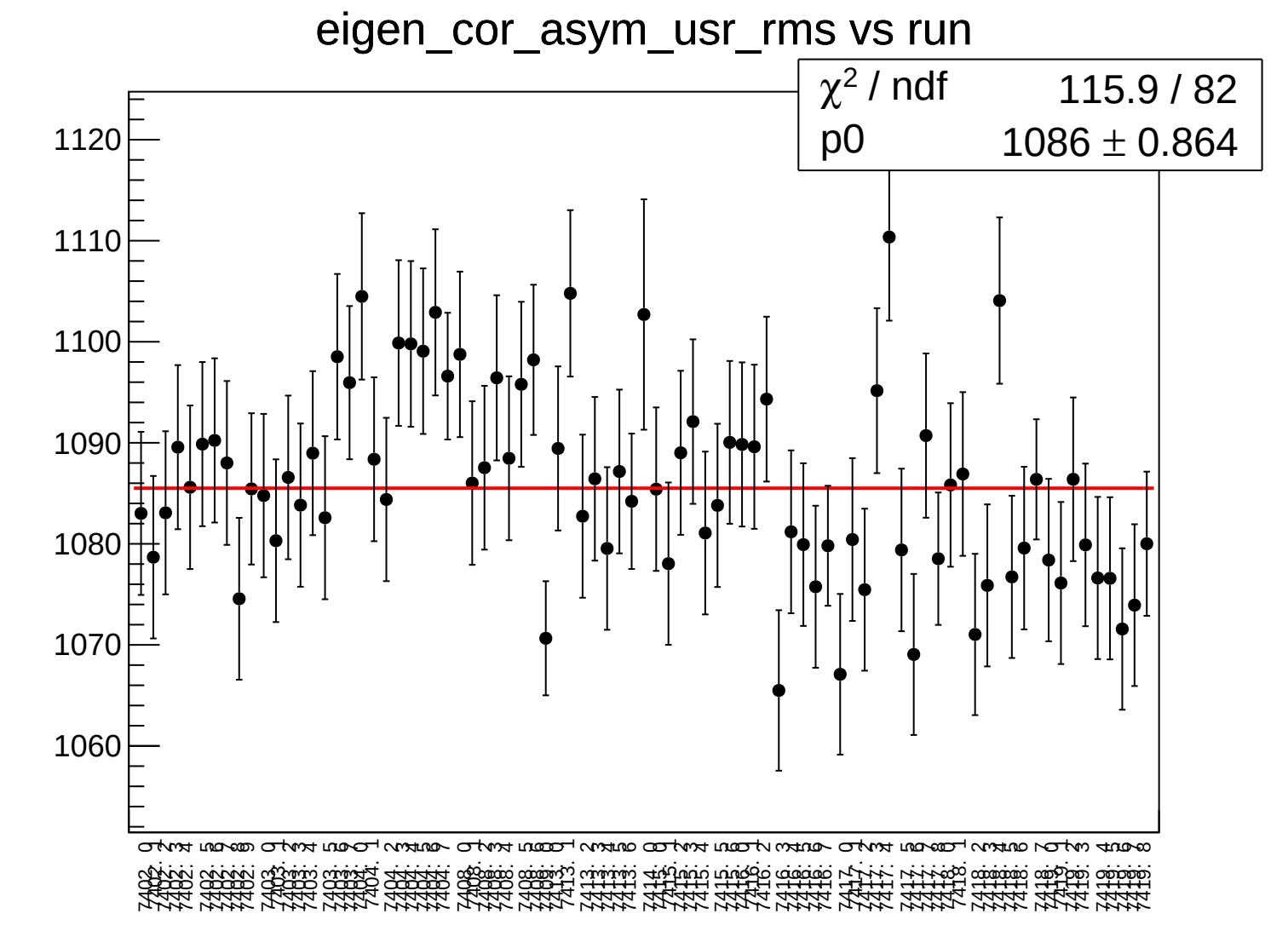

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 76.57 / 82
p0 676.3 ± 1614
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −229.9
Std Dev 0
2
1
0
−1
−2

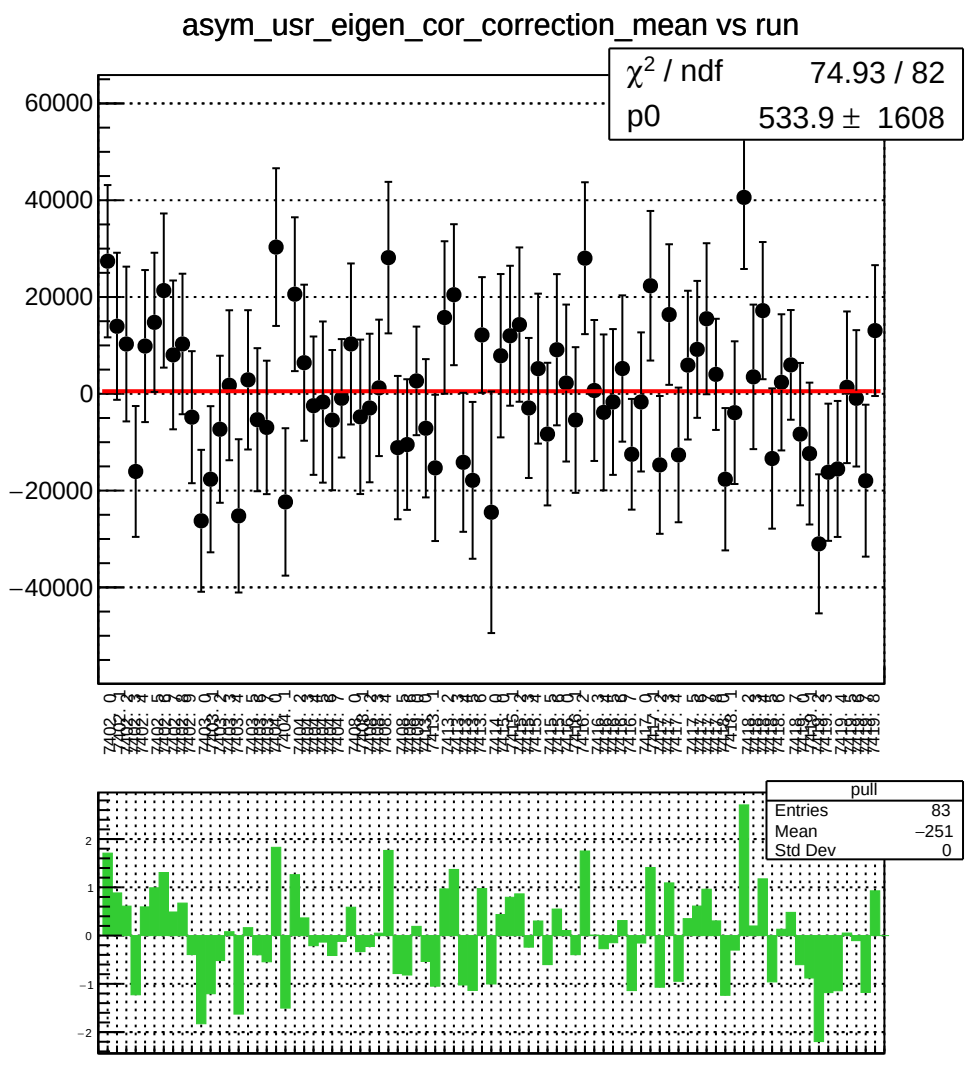

pull1D
Entries 83
Mean 0.007463
Std Dev 0.9604
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

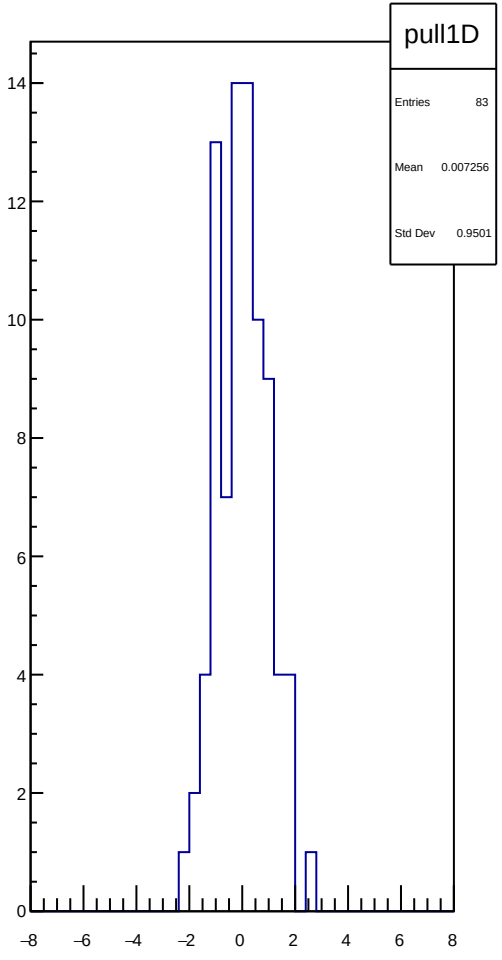

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 3849 / 82
p0 1432 ± 1.141
1700
1600
1500
1400
1300

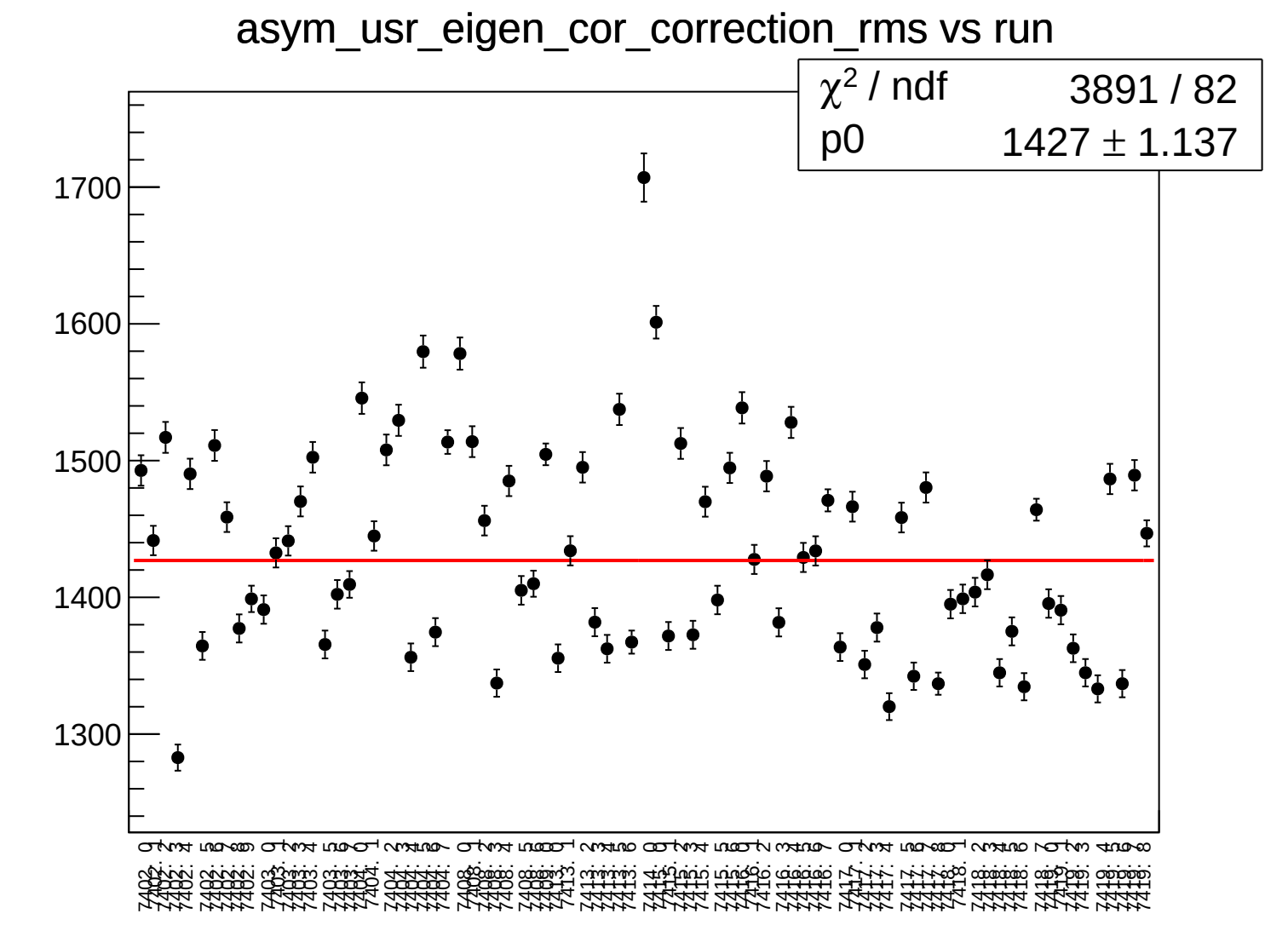

eigen_cor_asym_usr_mean vs run
χ² / ndf 84.51 / 82
p0 2470 ± 1222
pull
Entries 83
Mean −3386
Std Dev 0

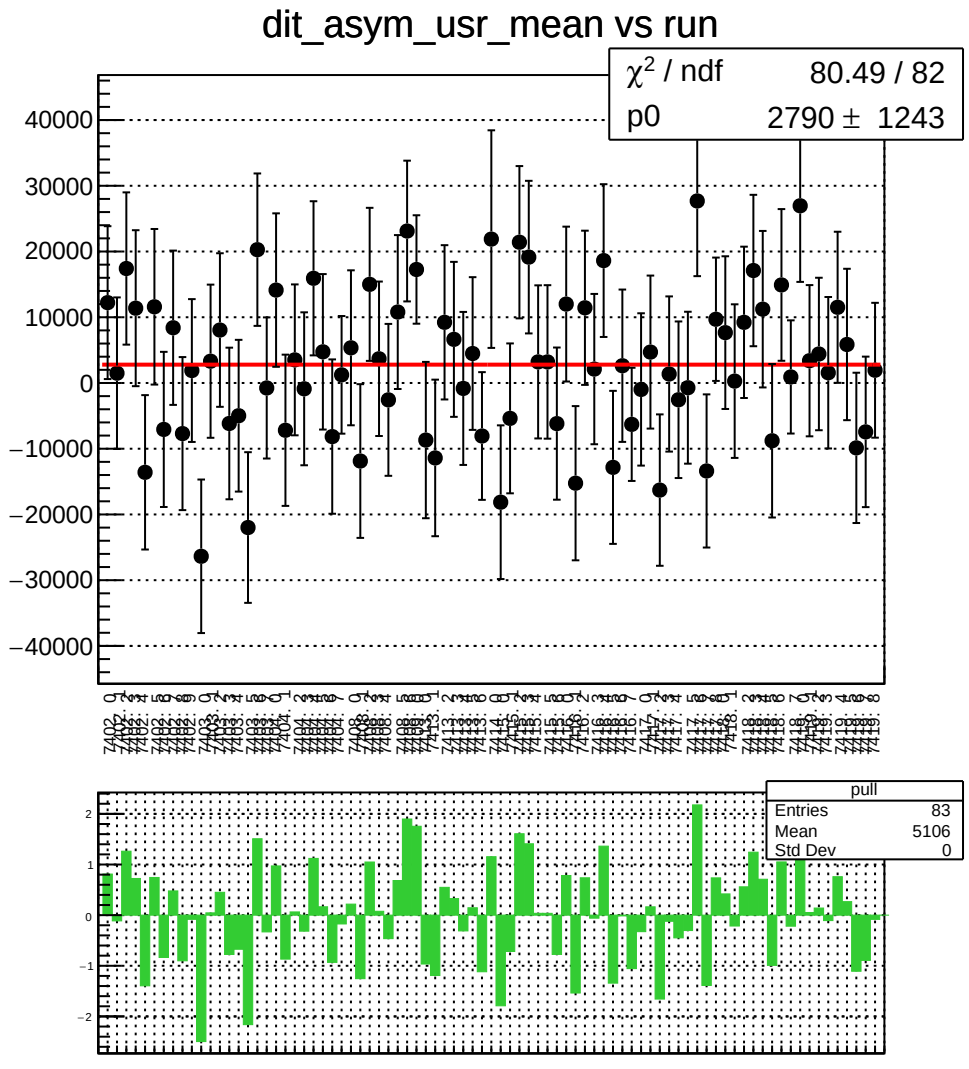

pull1D
Entries 83
Mean −0.0004682
Std Dev 1.009

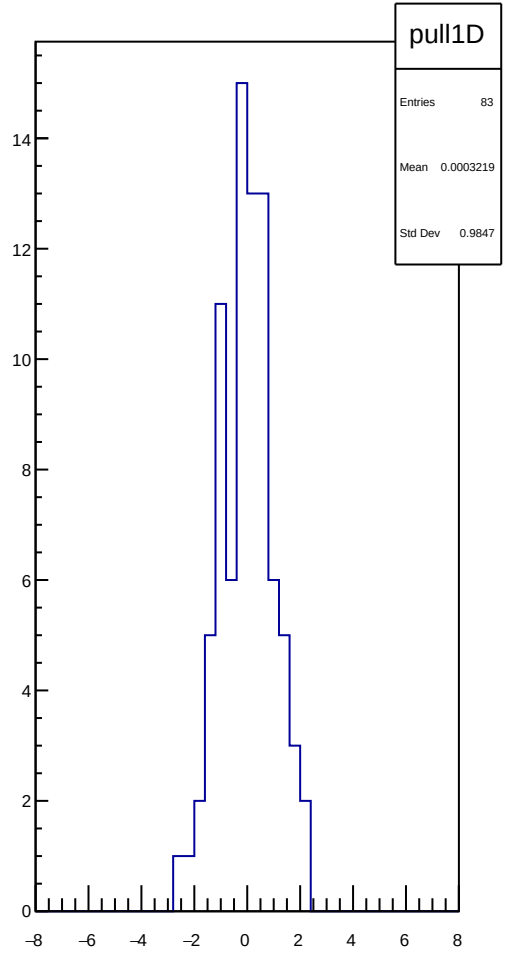

eigen_cor_asym_usr_rms vs run
χ^2 / ndf 115.9 / 82
p0 1086 ± 0.864
1120
1110
1100
1090
1080
1070
1060

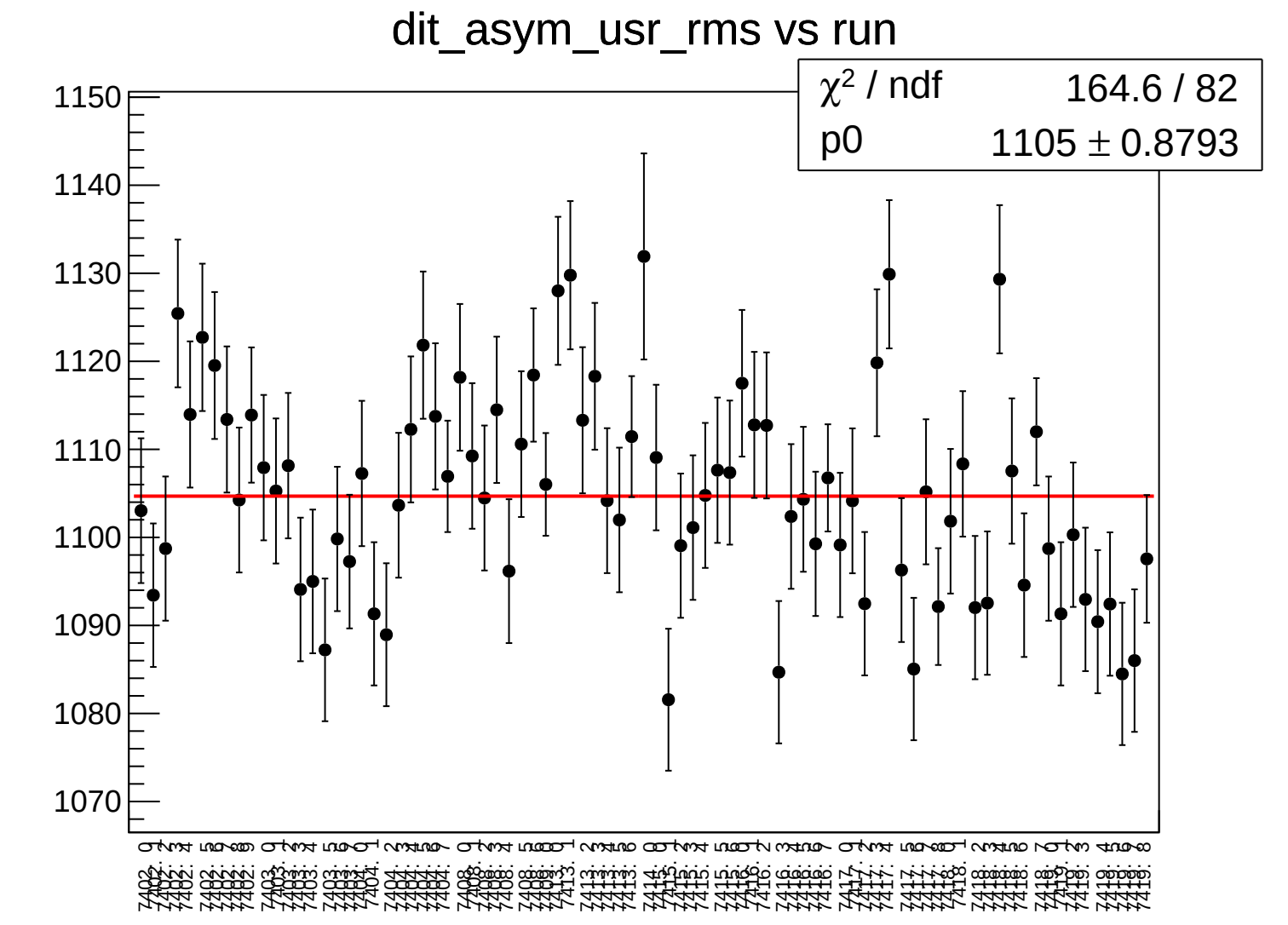

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 74.93 / 82
p0 533.9 ± 1608
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −251
Std Dev 0
2
1
0
−1
−2

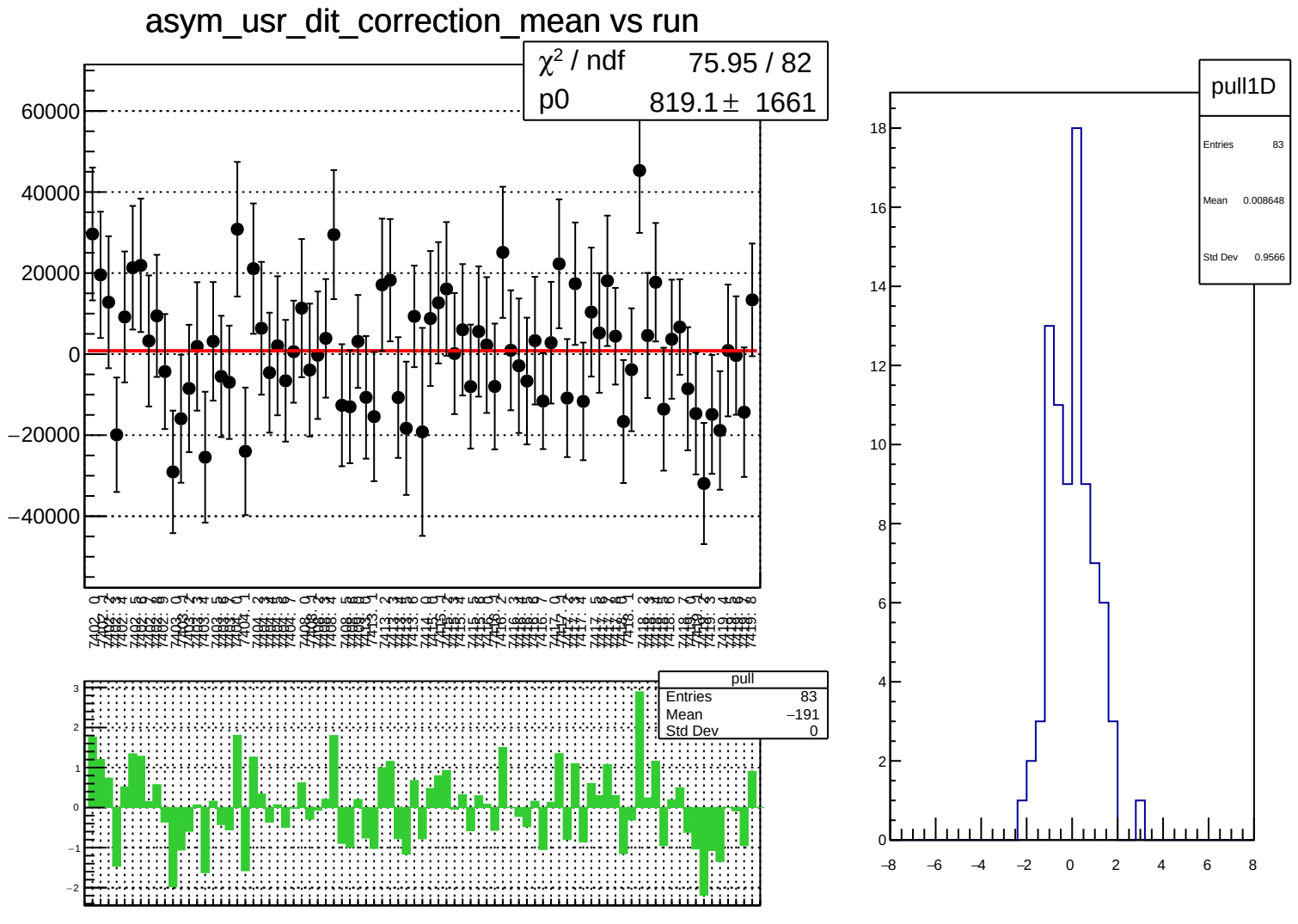

pull1D
Entries 83
Mean 0.007256
Std Dev 0.9501
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

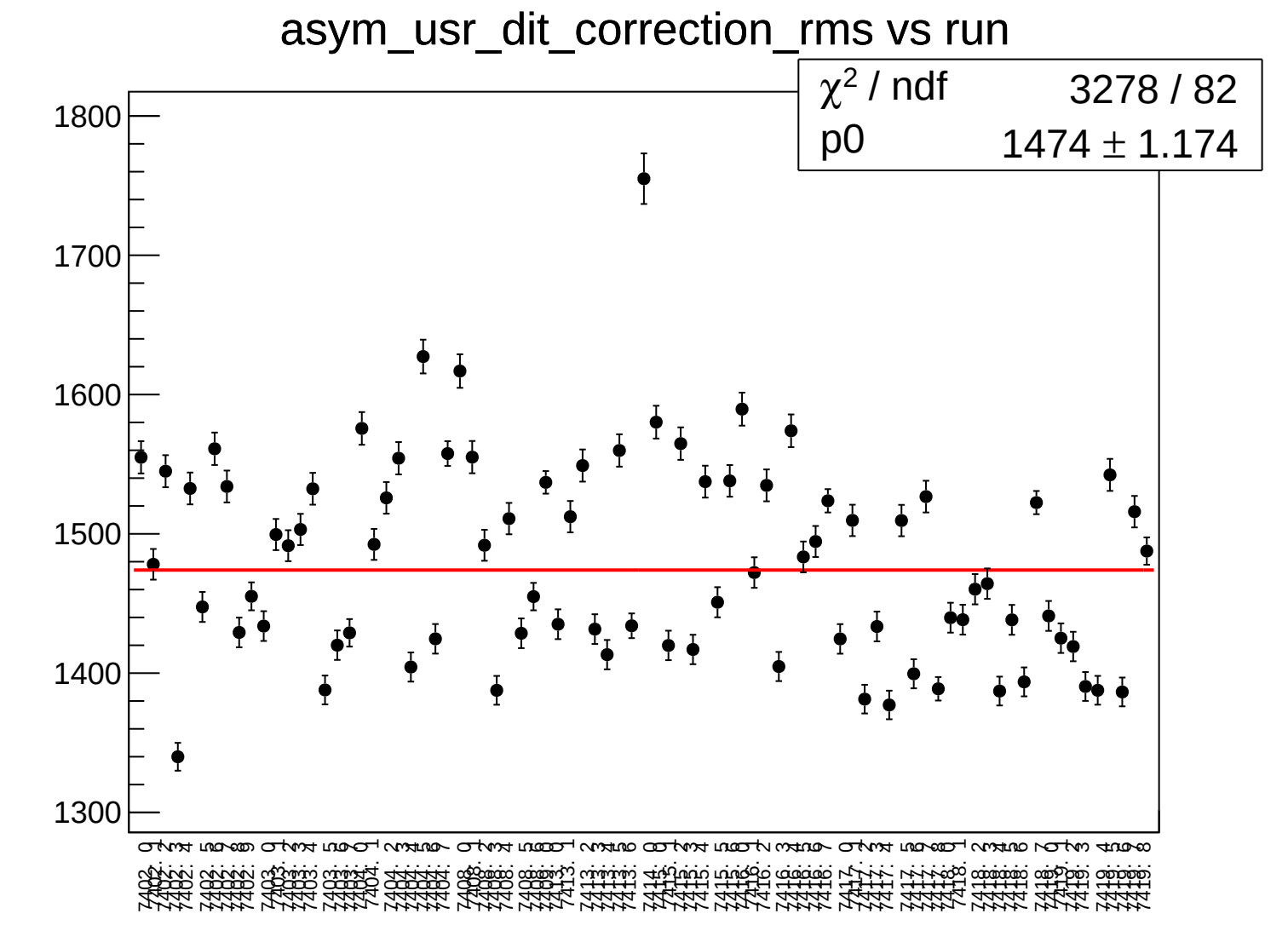

asym_usr_eigen_cor_correction_rms vs run
χ^2 / ndf 3891 / 82
p0 1427 ± 1.137
1700
1600
1500
1400
1300

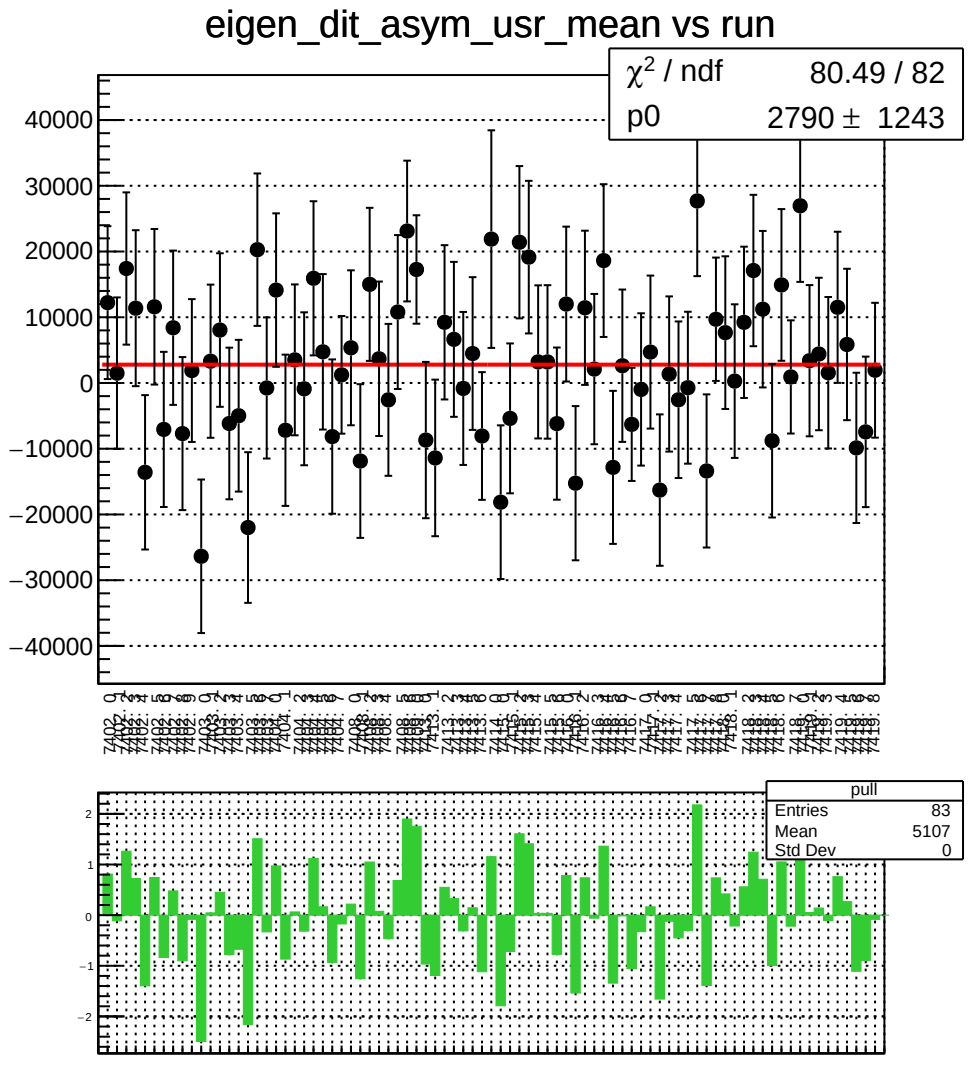

dit_asym_usr_mean vs run
χ² / ndf 80.49 / 82
p0 2790 ± 1243
pull
Entries 83
Mean 5106
Std Dev 0

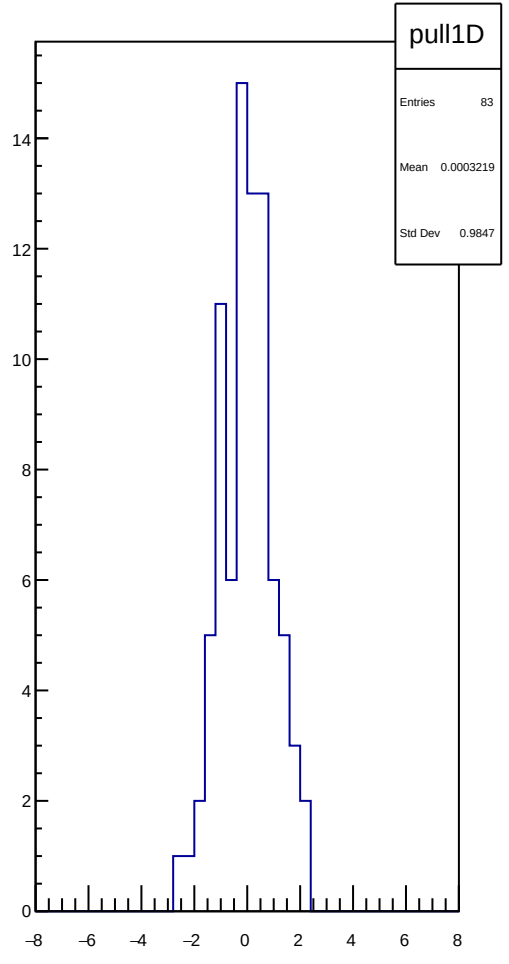

pull1D
Entries 83
Mean 0.0003219
Std Dev 0.9847

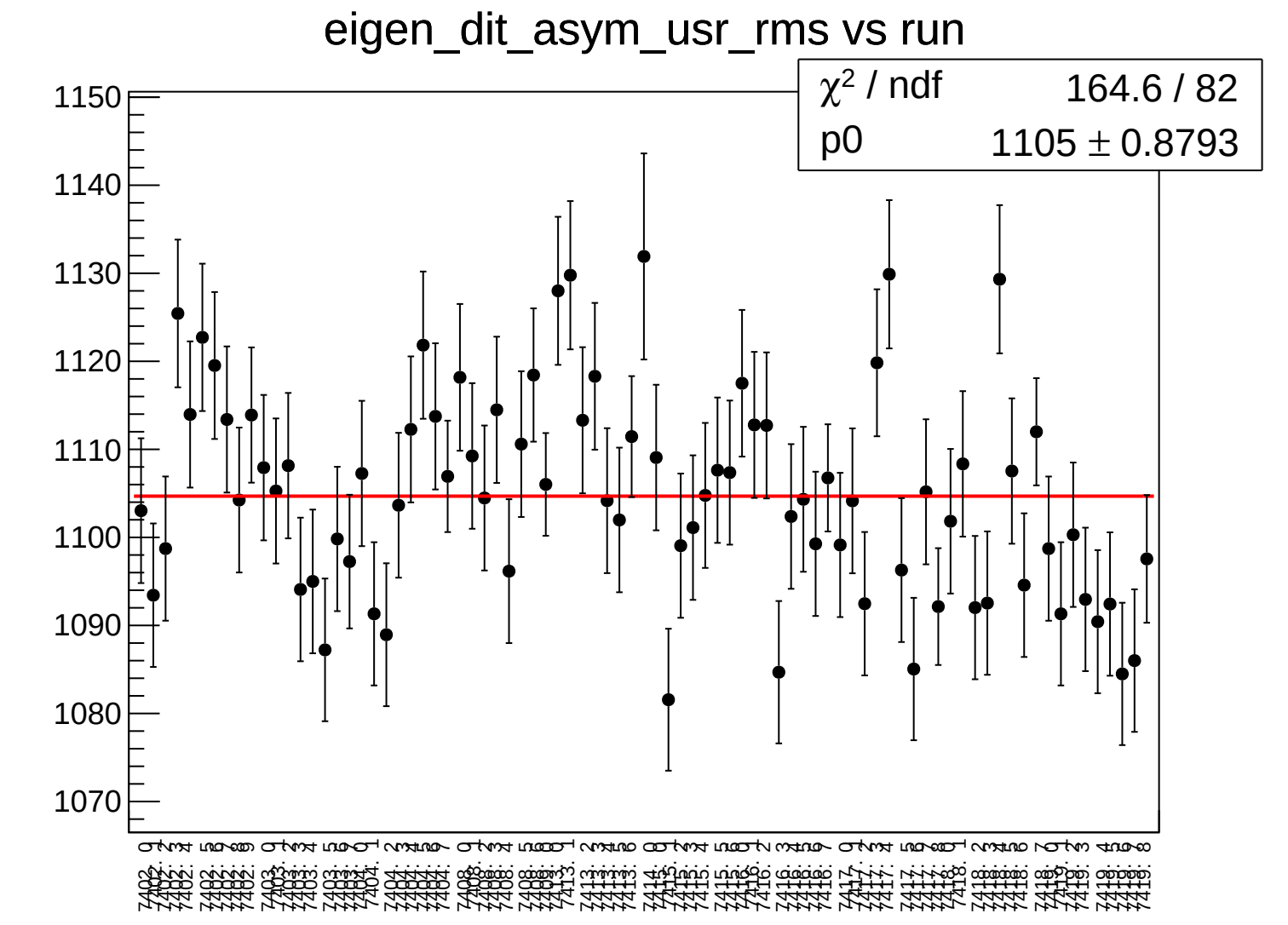

dit_asym_usr_rms vs run
χ² / ndf 164.6 / 82
p0 1105 ± 0.8793
1150
1140
1130
1120
1110
1100
1090
1080
1070

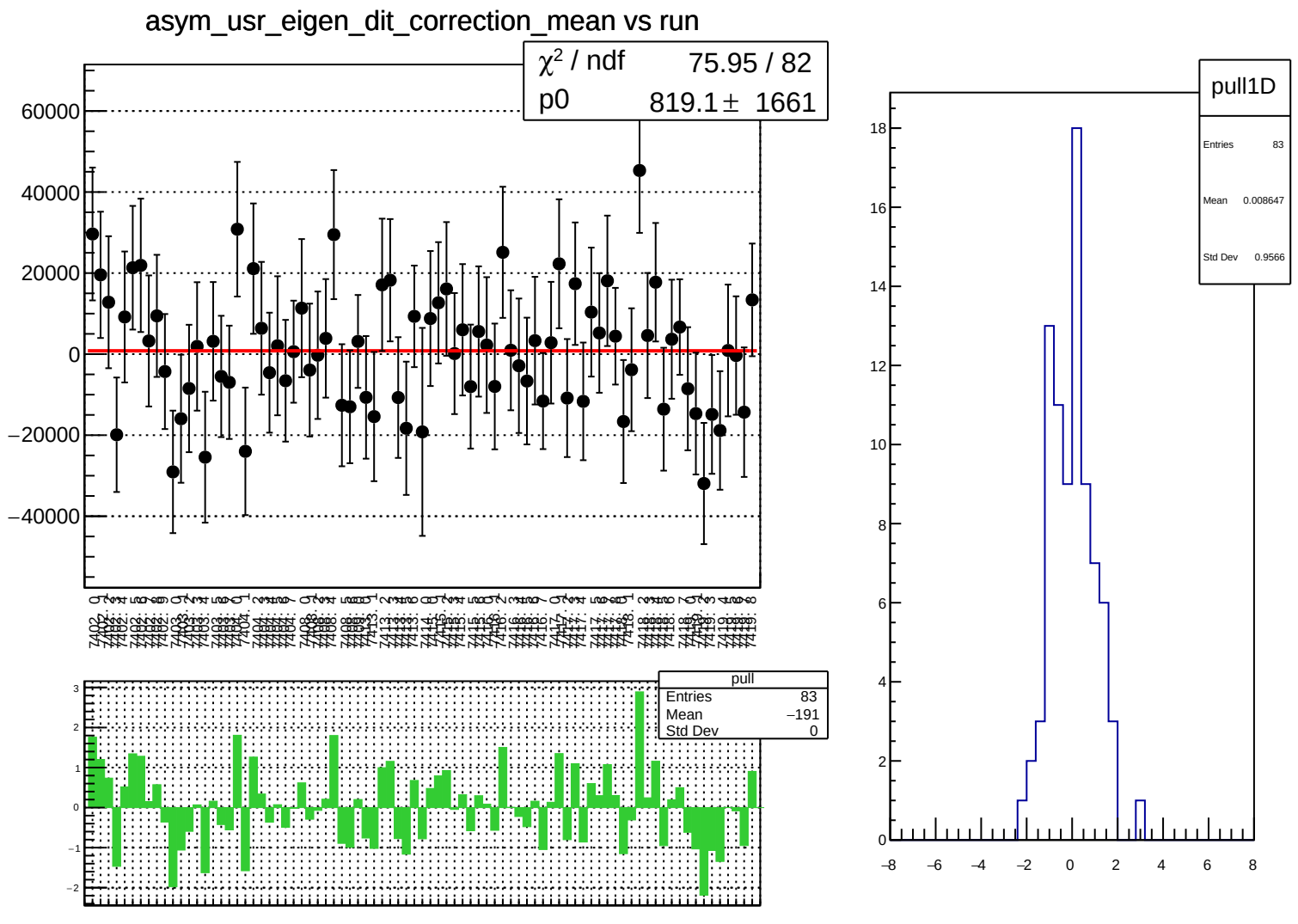

asym_usr_dit_correction_mean vs run
χ² / ndf 75.95 / 82
p0 819.1 ± 1661
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −191
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.008648
Std Dev 0.9566
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

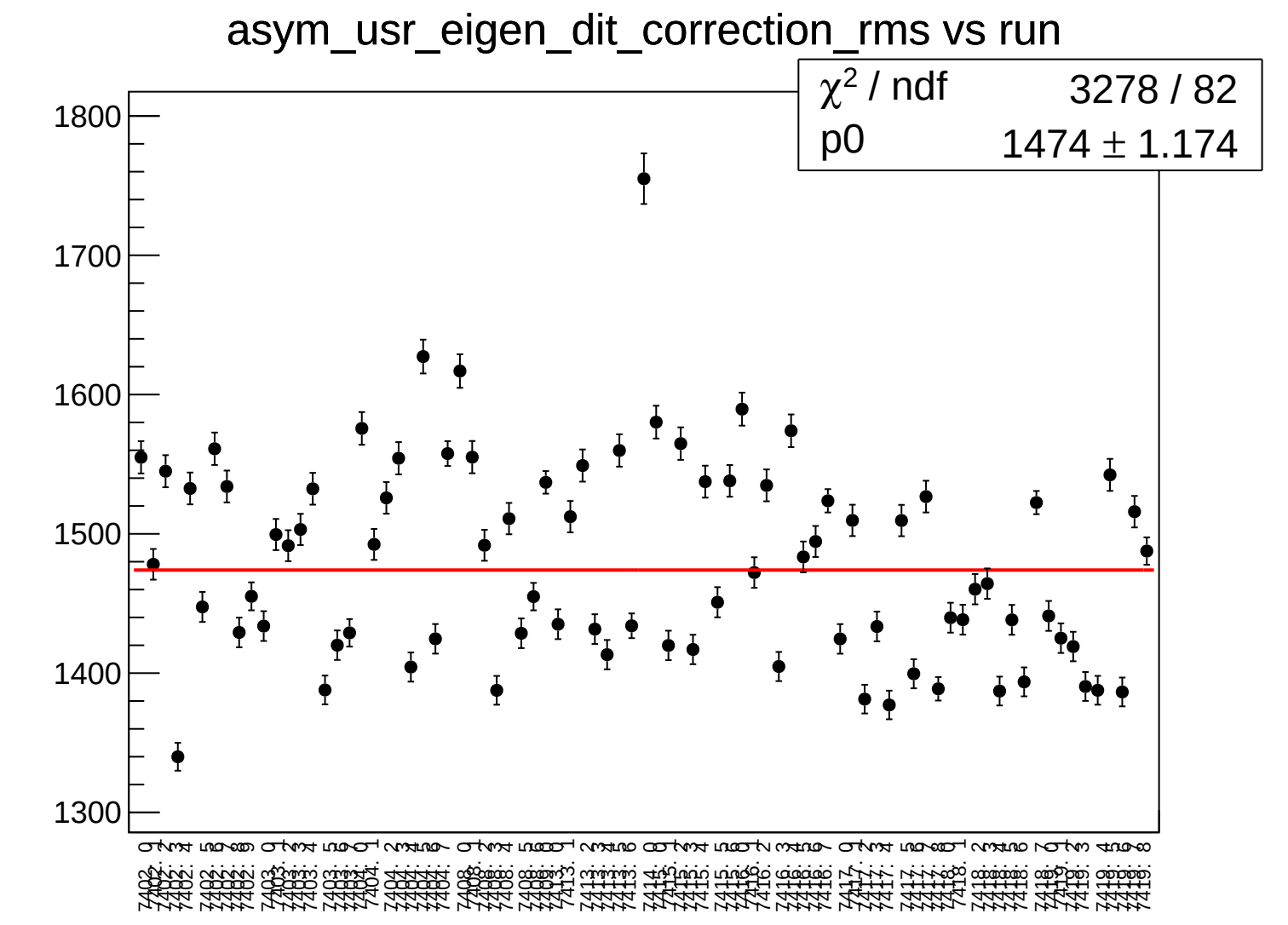

asym_usr_dit_correction_rms vs run
χ² / ndf 3278 / 82
p0 1474 ± 1.174
1800
1700
1600
1500
1400
1300

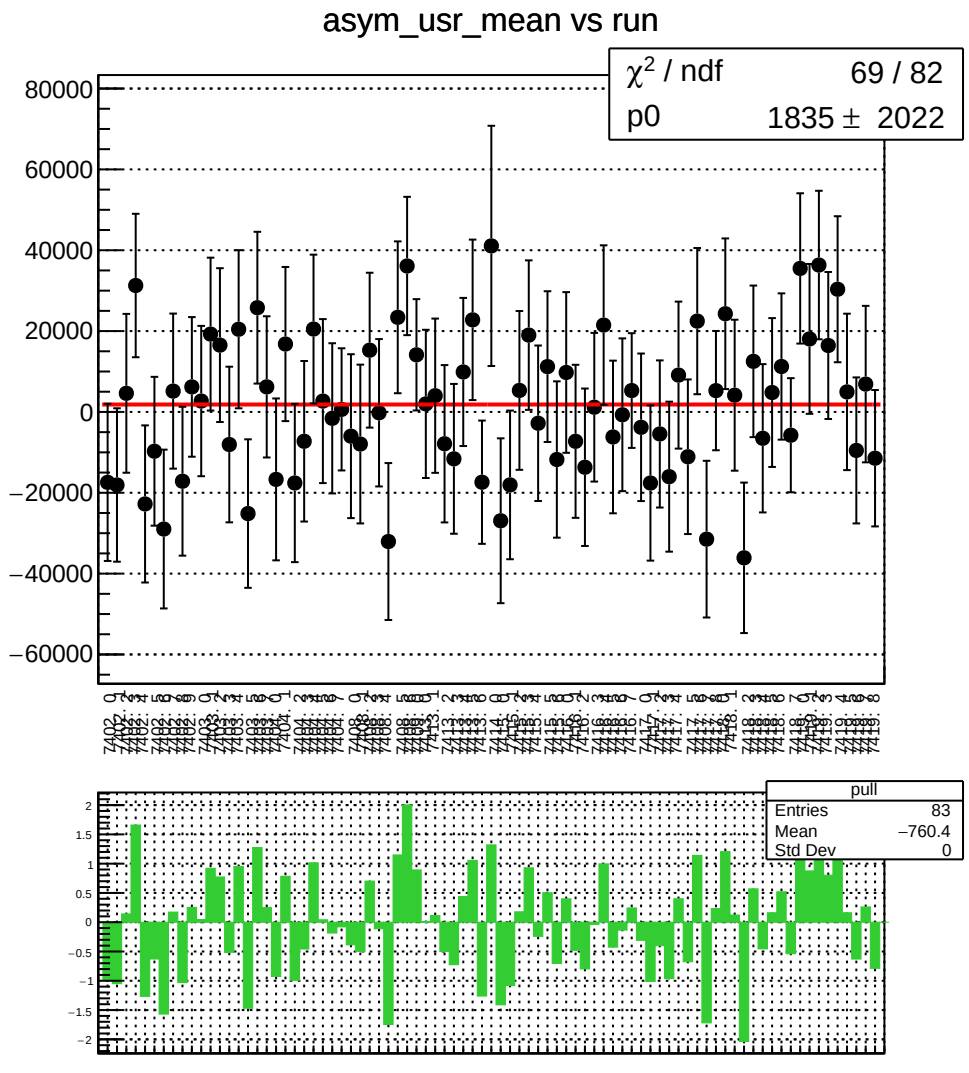

eigen_dit_asym_usr_mean vs run
χ² / ndf 80.49 / 82
p0 2790 ± 1243
pull
Entries 83
Mean 5107
Std Dev 0

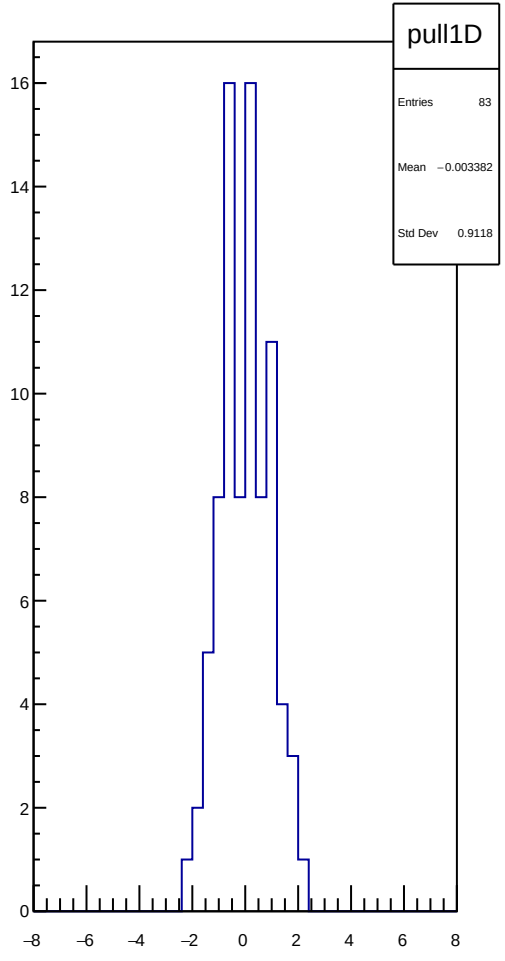

pull1D
Entries 83
Mean 0.0003219
Std Dev 0.9847

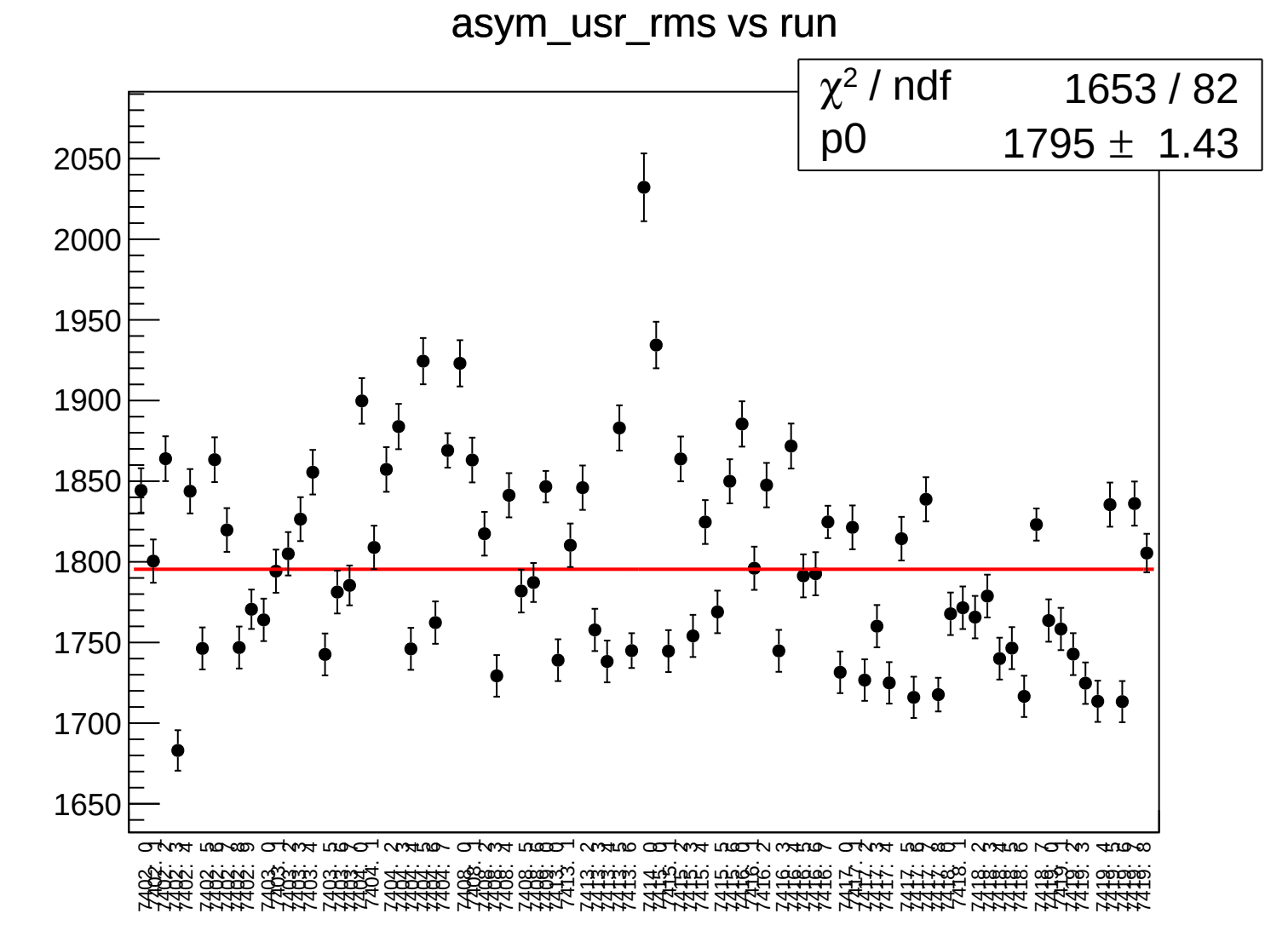

eigen_dit_asym_usr_rms vs run
χ² / ndf 164.6 / 82
p0 1105 ± 0.8793
1150
1140
1130
1120
1110
1100
1090
1080
1070

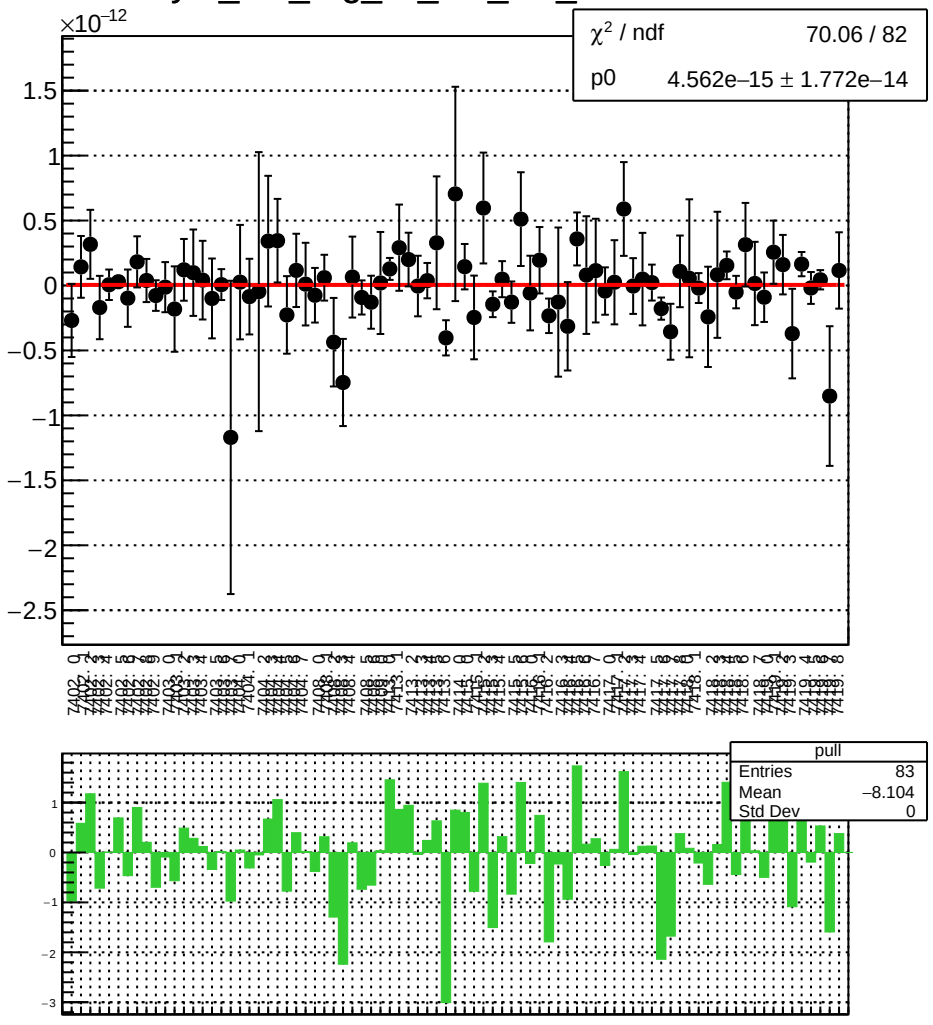

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 75.95 / 82
p0 819.1 ± 1661
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −191
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.008647
Std Dev 0.9566
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

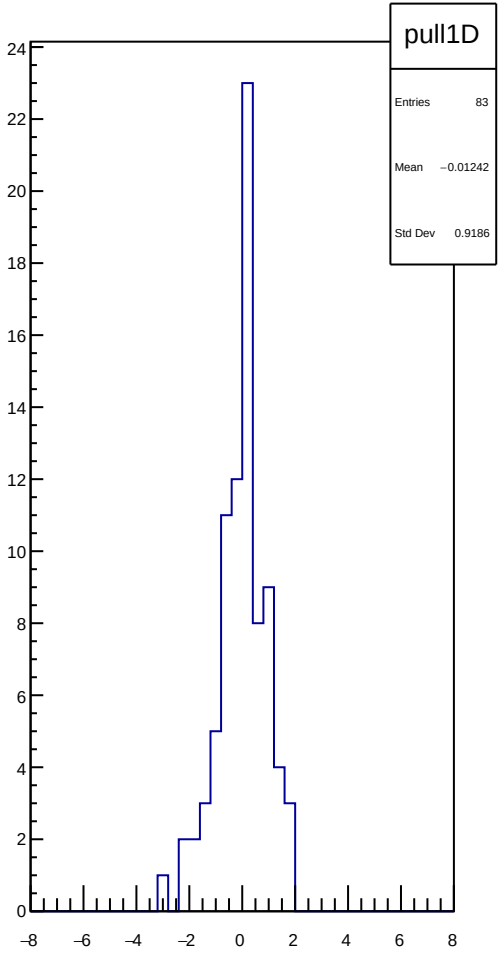

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 3278 / 82
p0 1474 ± 1.174
1800
1700
1600
1500
1400
1300

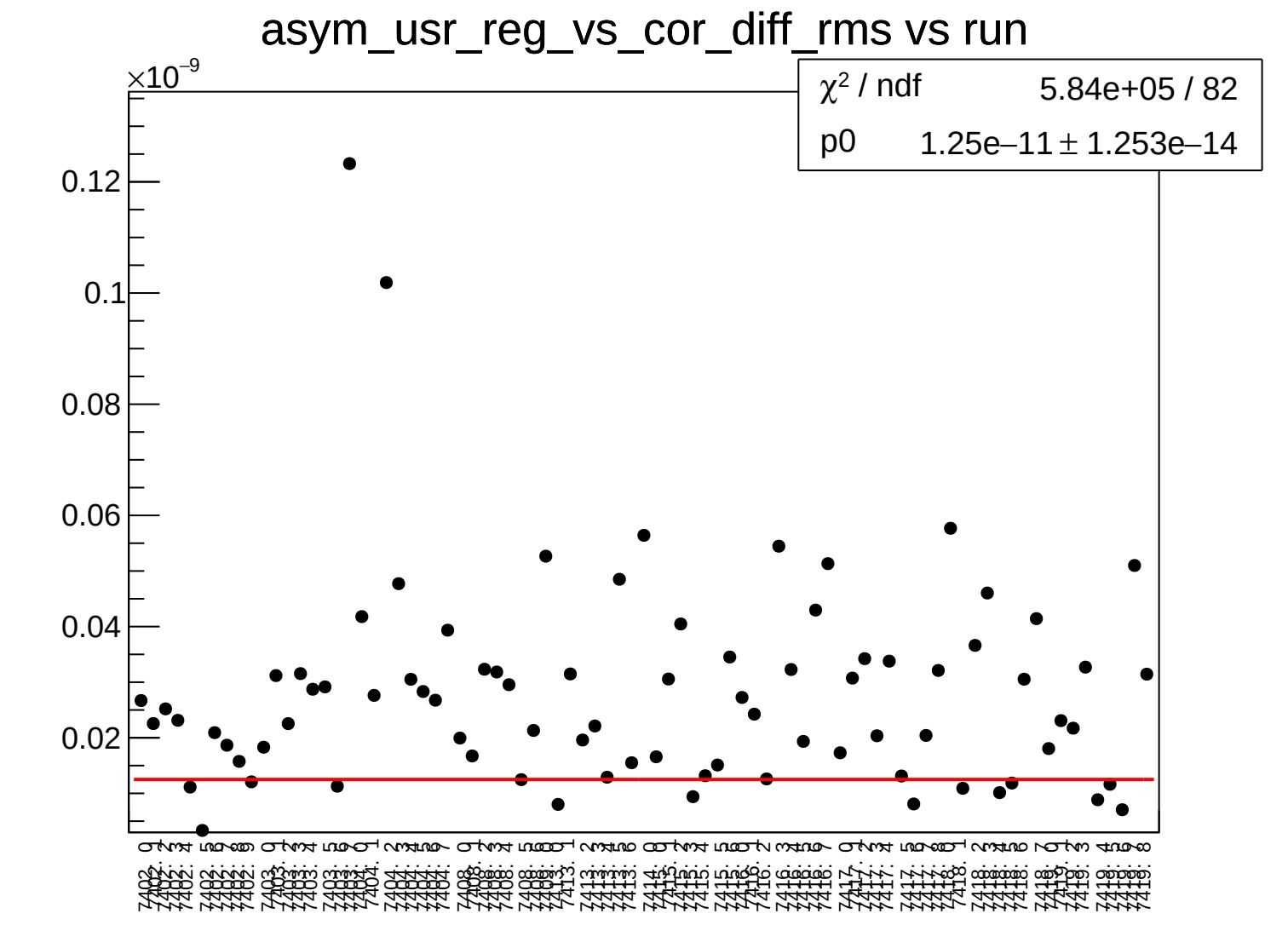

asym_usr_mean vs run
χ² / ndf 69 / 82
p0 1835 ± 2022
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −760.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

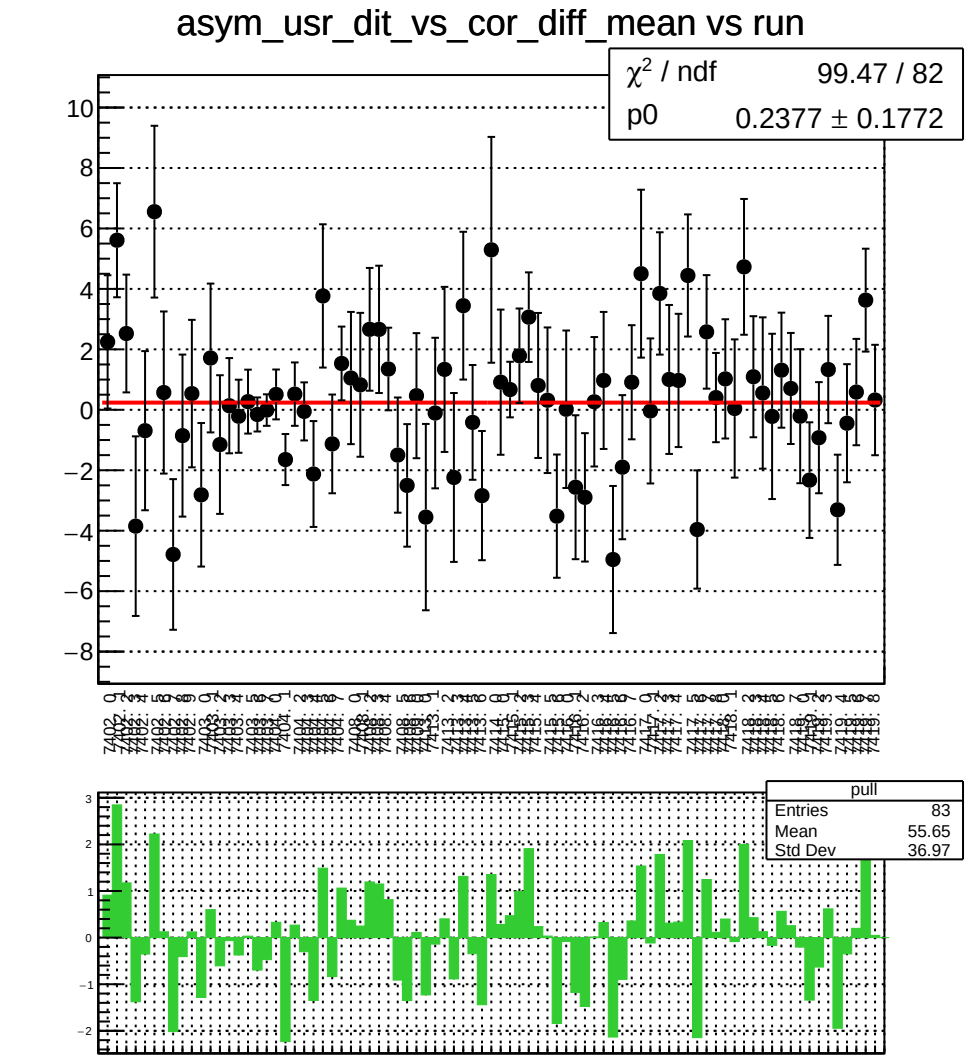

pull1D
Entries 83
Mean −0.003382
Std Dev 0.9118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

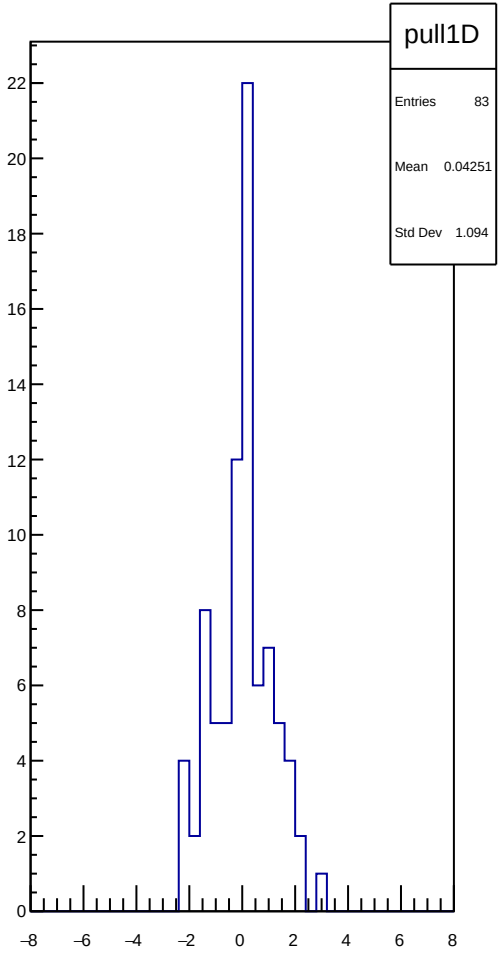

asym_usr_rms vs run
χ² / ndf 1653 / 82
p0 1795 ± 1.43
2050
2000
1950
1900
1850
1800
1750
1700
1650

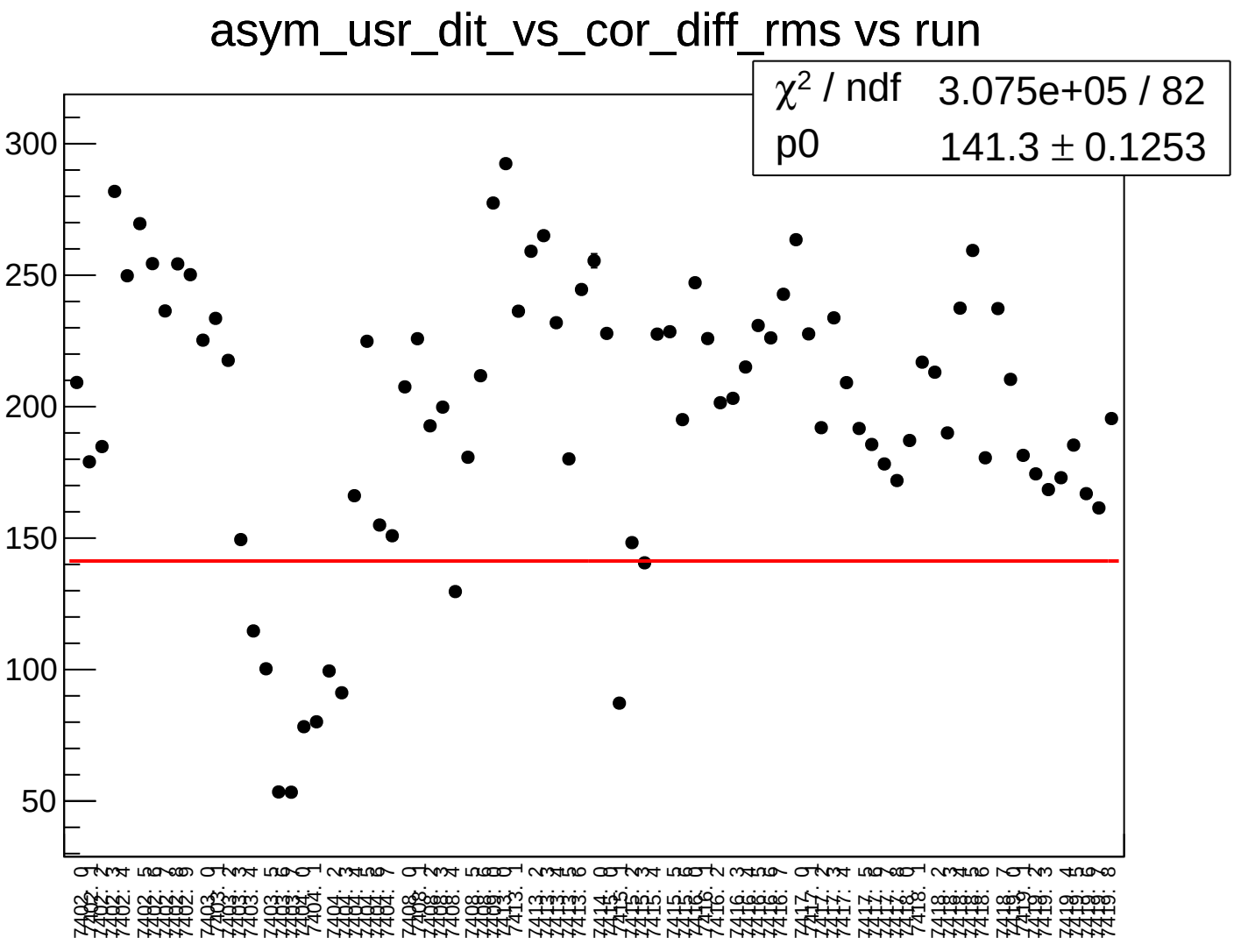

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.06 / 82
p0 4.562e−15 ± 1.772e−14
pull
Entries 83
Mean −8.104
Std Dev 0

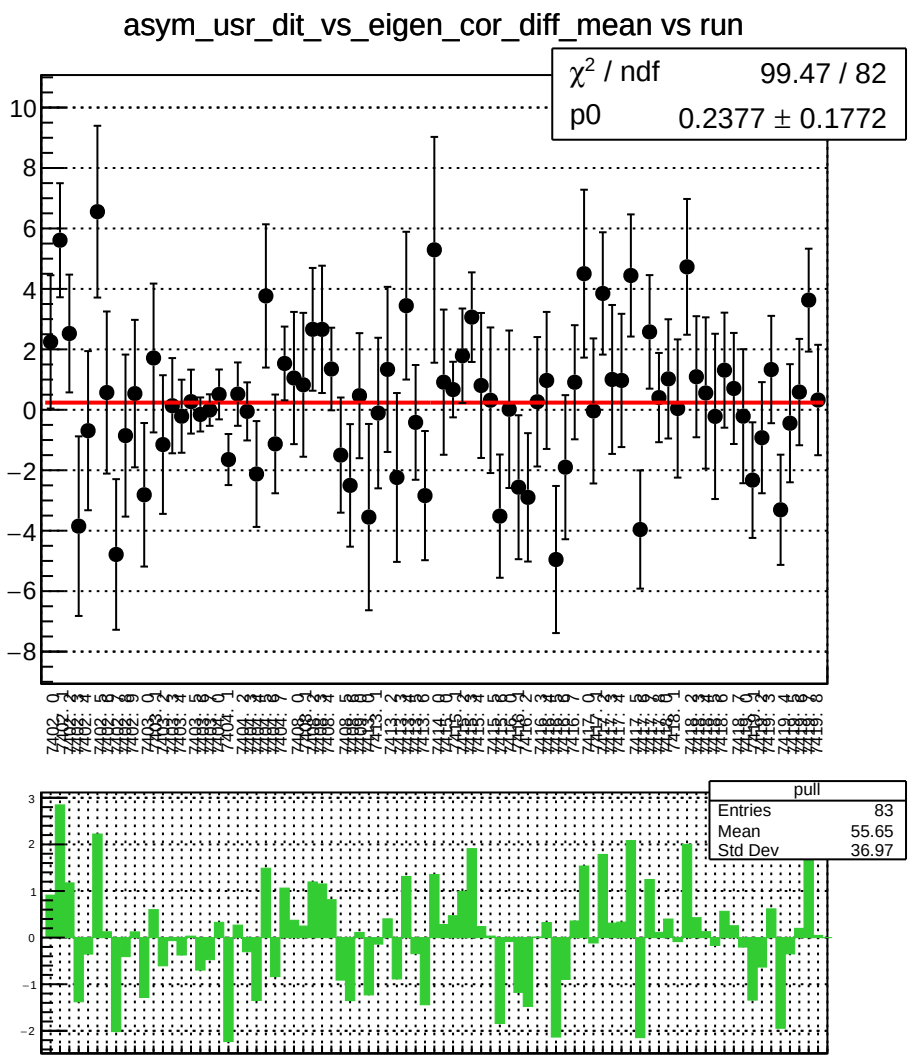

pull1D
Entries 83
Mean −0.01242
Std Dev 0.9186

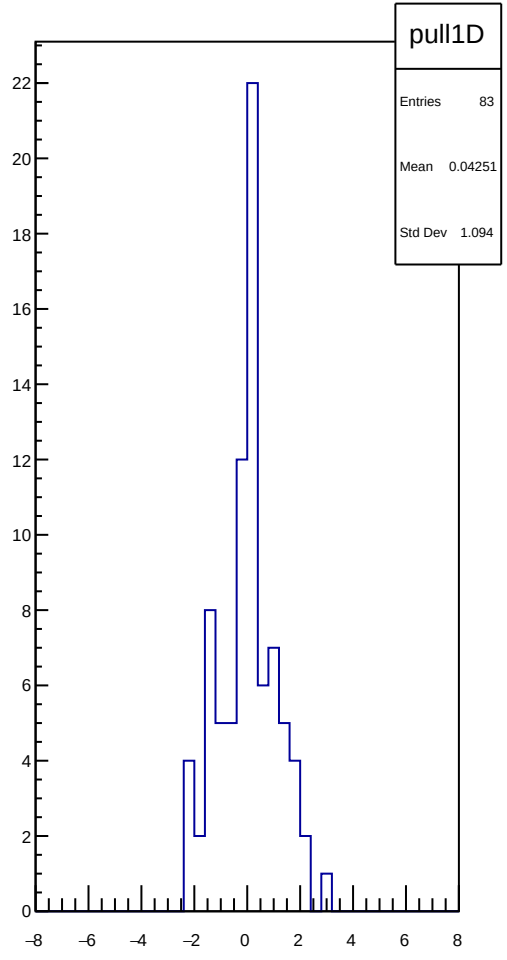

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.84e+05 / 82
p0 1.25e−11 ± 1.253e−14
0.12
0.1
0.08
0.06
0.04
0.02

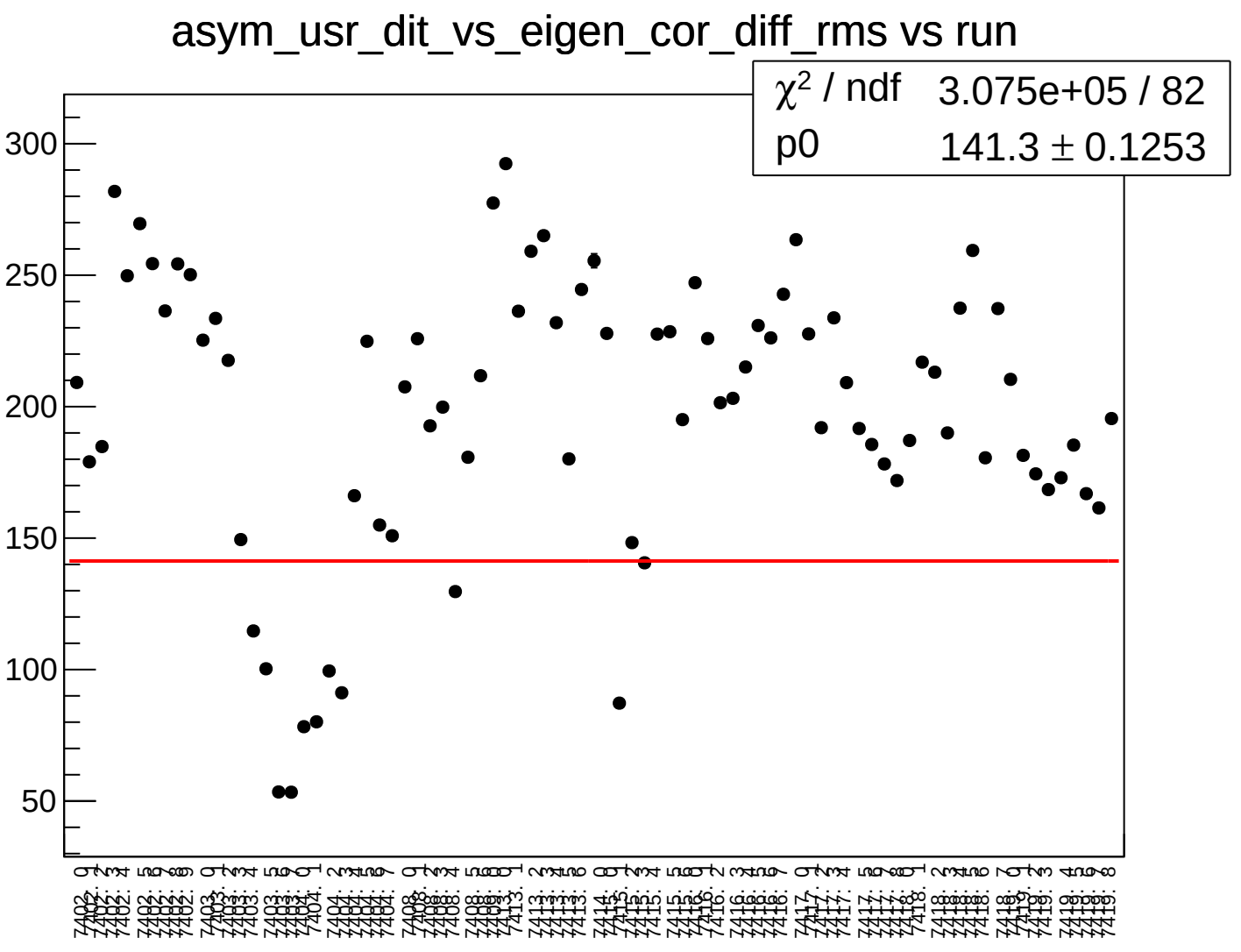

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 99.47 / 82
p0 0.2377 ± 0.1772
pull
Entries 83
Mean 55.65
Std Dev 36.97

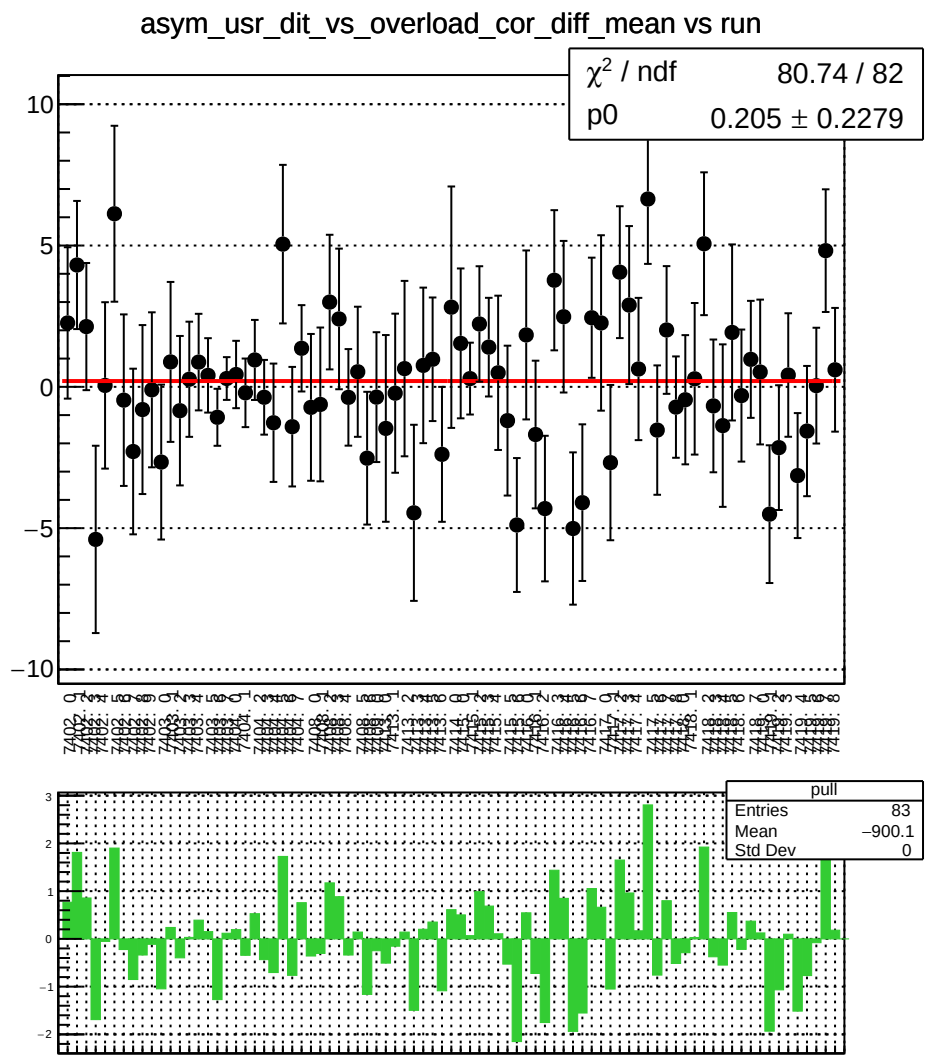

pull1D
Entries 83
Mean 0.04251
Std Dev 1.094

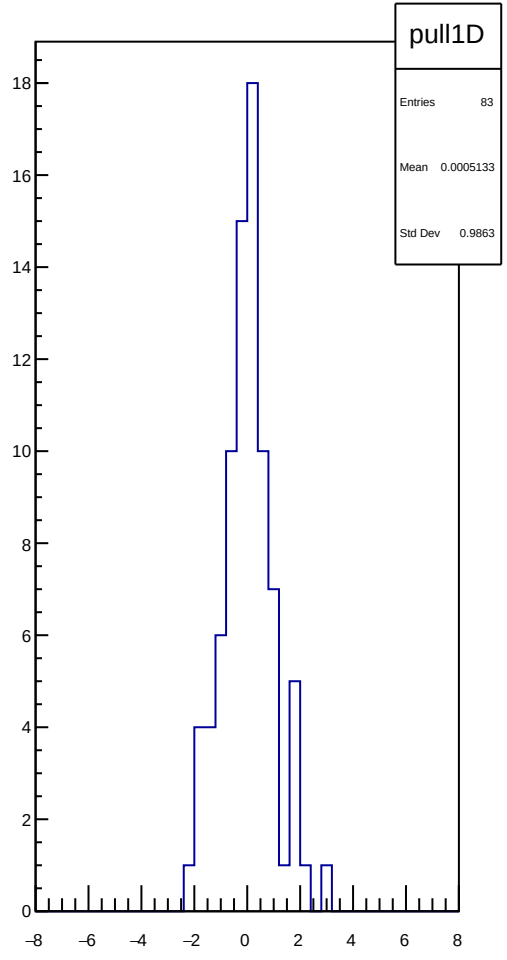

asym_usr_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.075e+05 / 82
p0 141.3 ± 0.1253
300
250
200
150
100
50

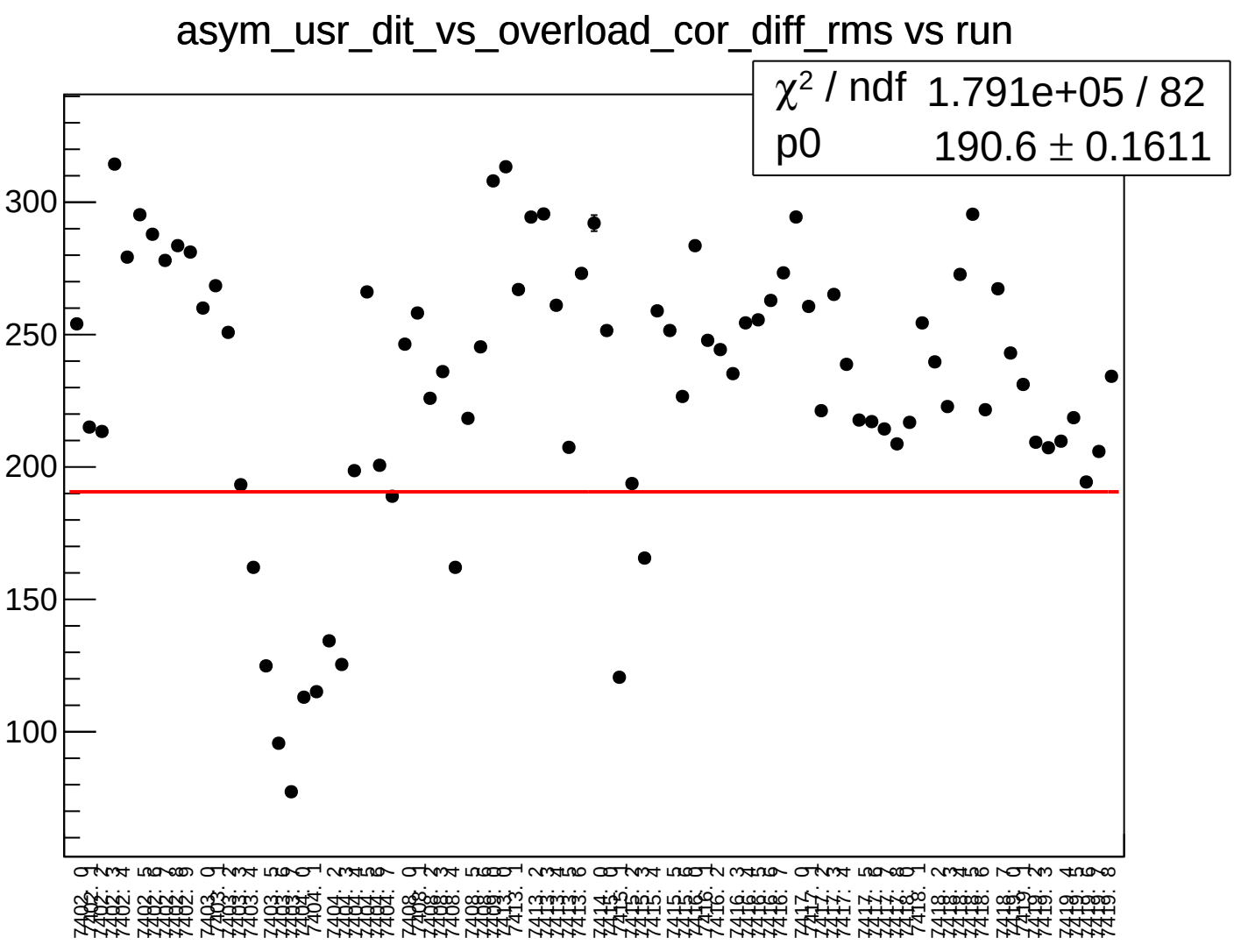

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.47 / 82
p0 0.2377 ± 0.1772
pull
Entries 83
Mean 55.65
Std Dev 36.97

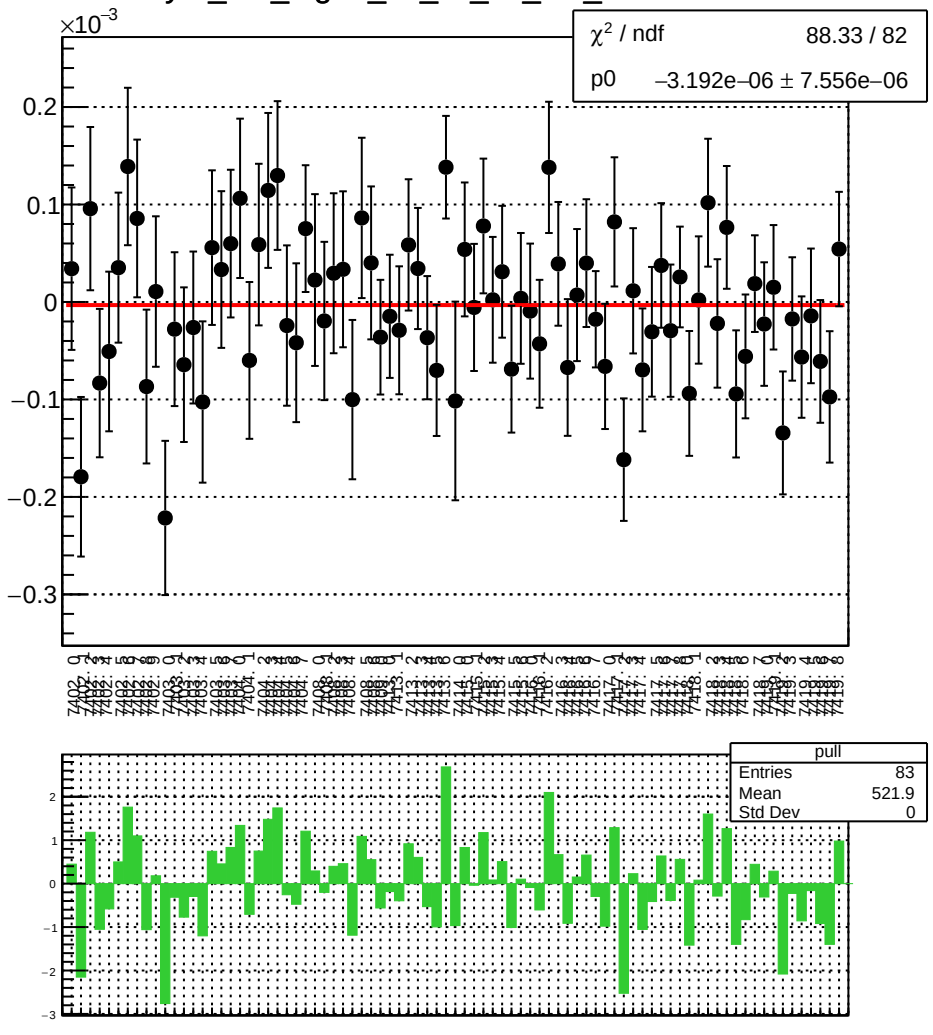

pull1D
Entries 83
Mean 0.04251
Std Dev 1.094

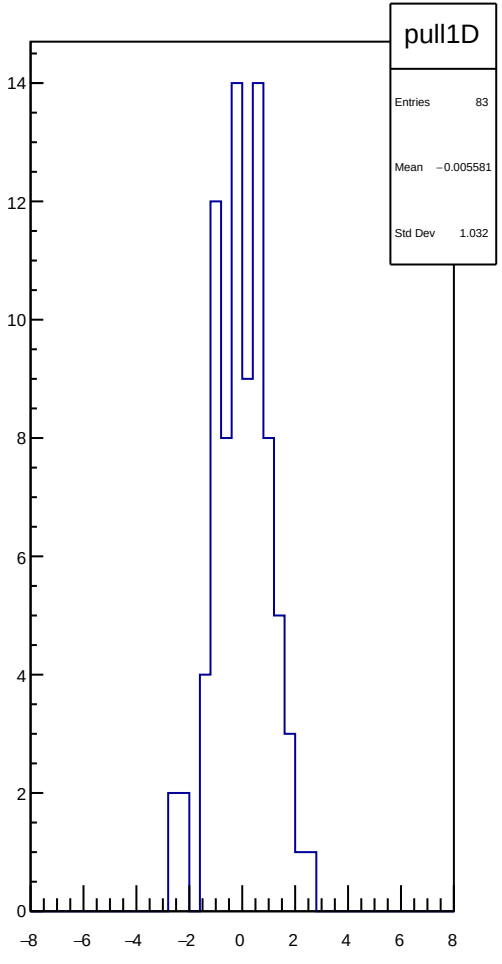

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.075e+05 / 82
p0 141.3 ± 0.1253
300
250
200
150
100
50

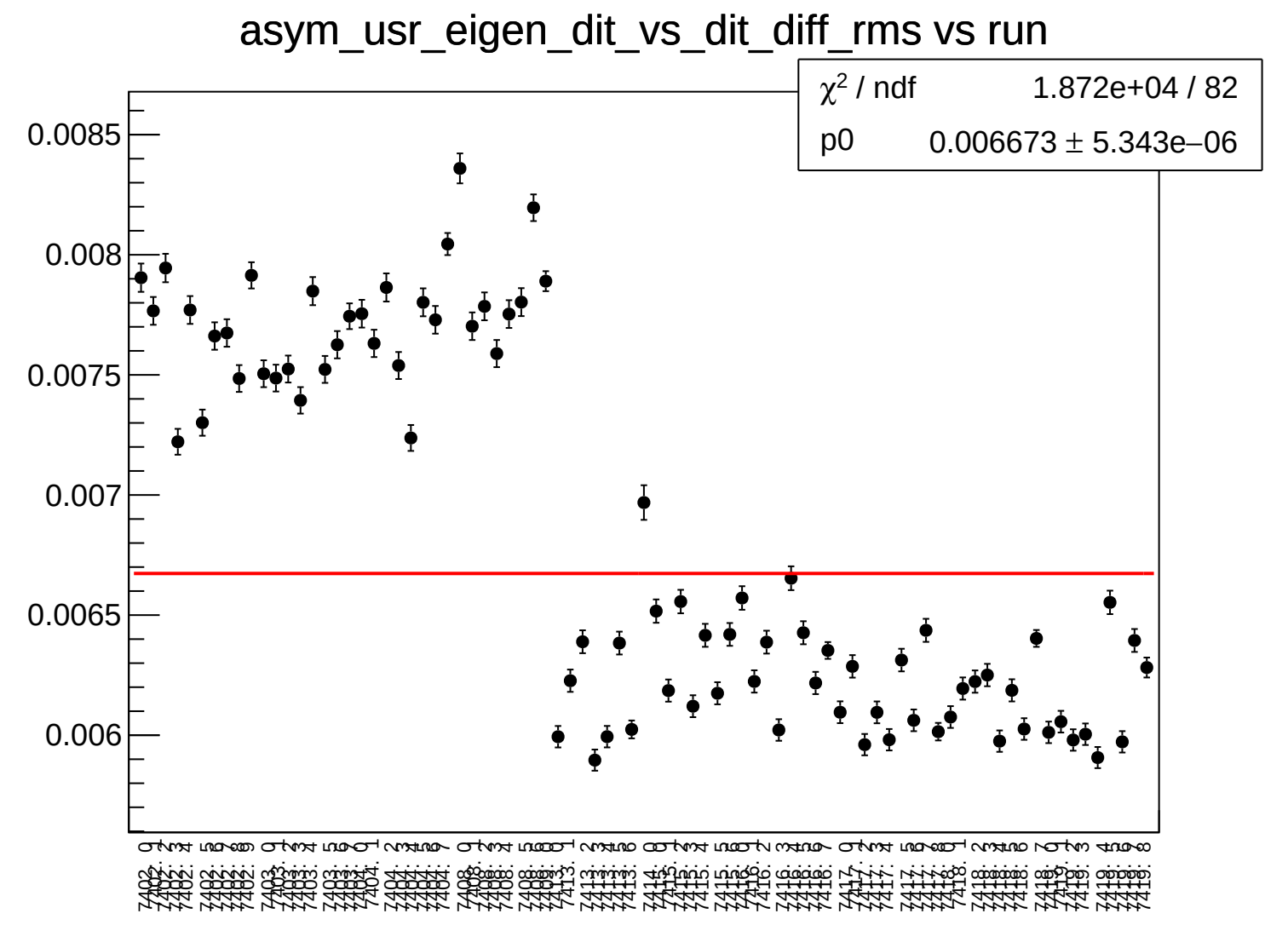

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 80.74 / 82
p0 0.205 ± 0.2279
pull
Entries 83
Mean −900.1
Std Dev 0

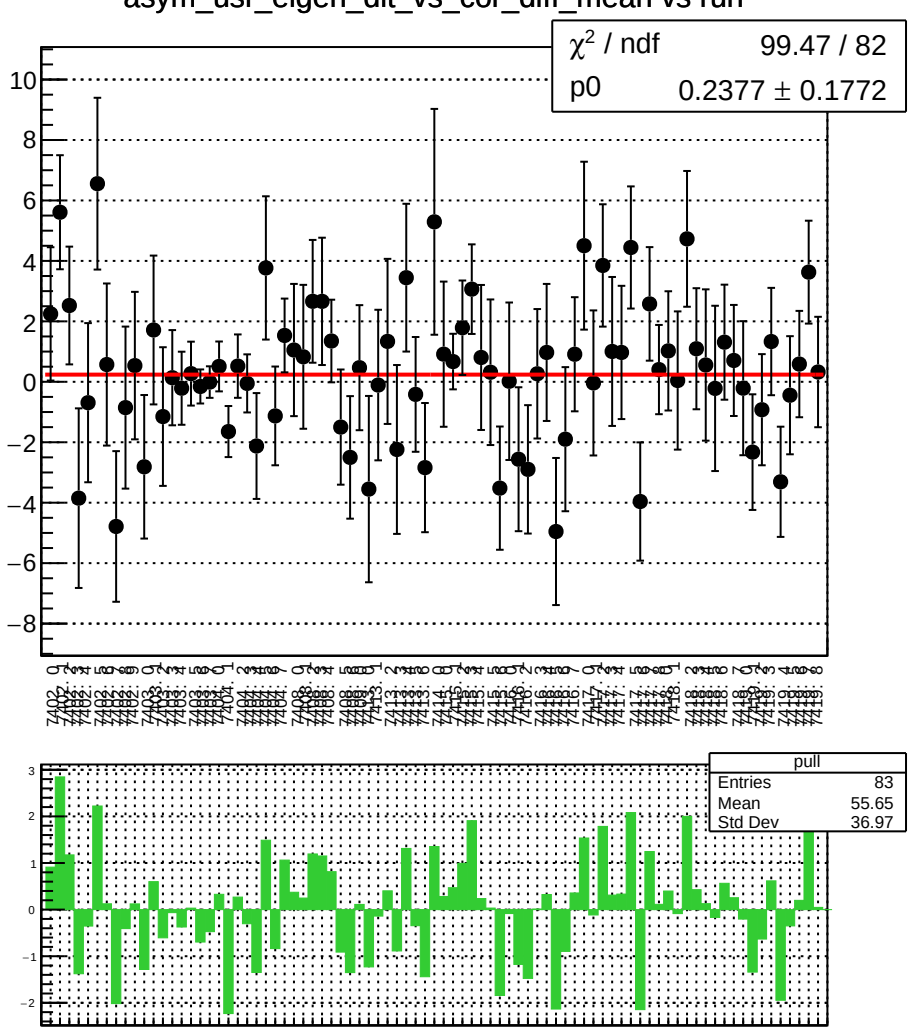

pull1D
Entries 83
Mean 0.0005133
Std Dev 0.9863

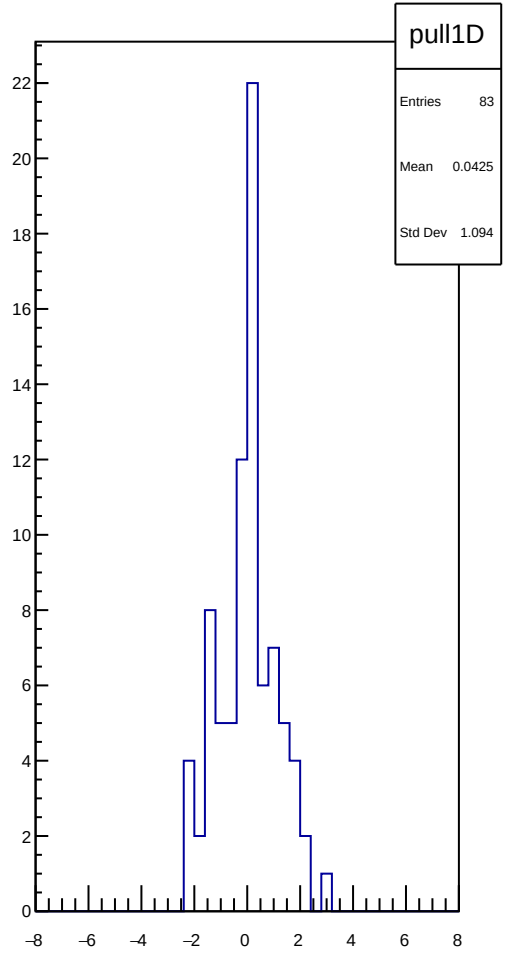

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.791e+05 / 82
p0 190.6 ± 0.1611
300
250
200
150
100

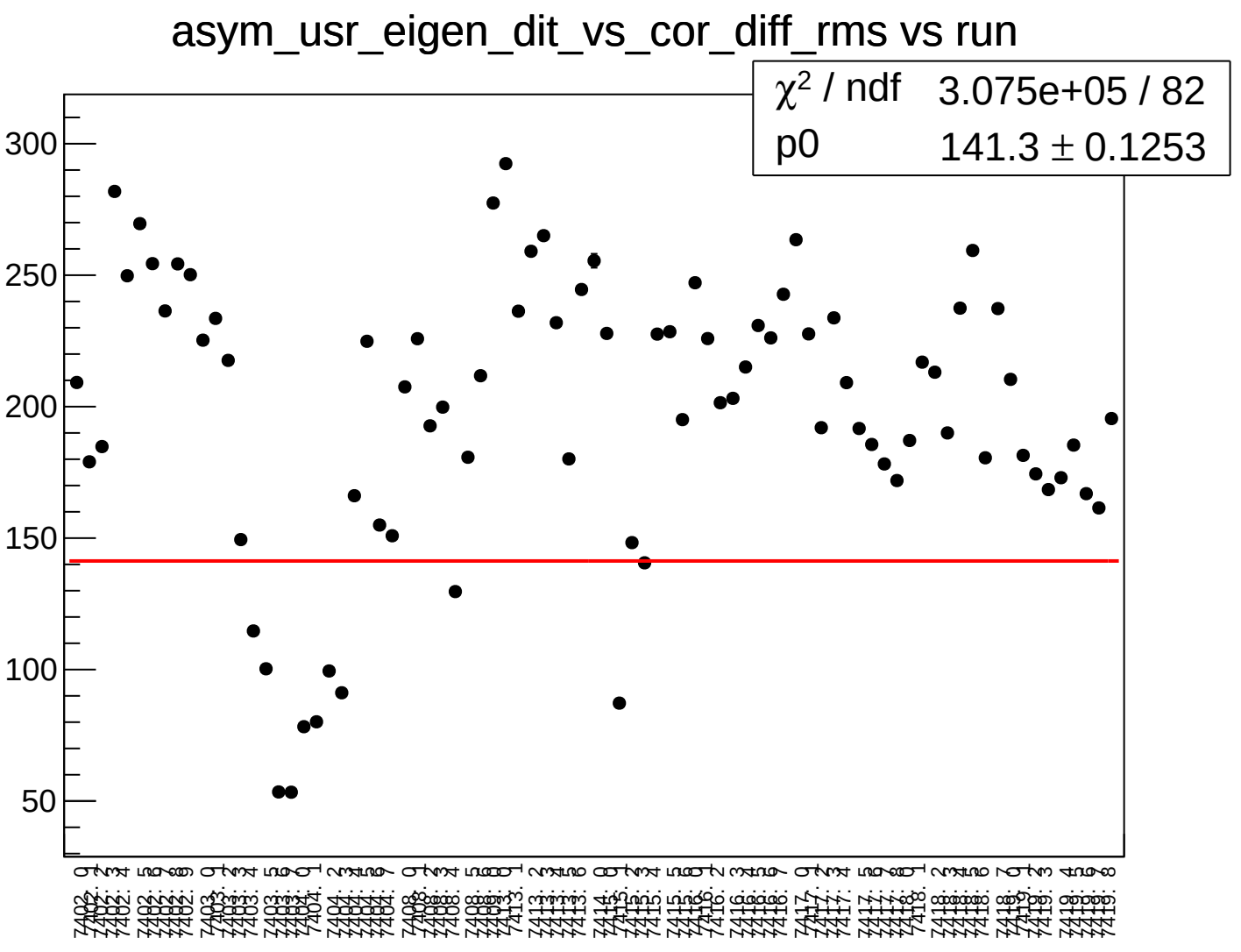

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.33 / 82
p0 −3.192e−06 ± 7.556e−06
pull
Entries 83
Mean 521.9
Std Dev 0

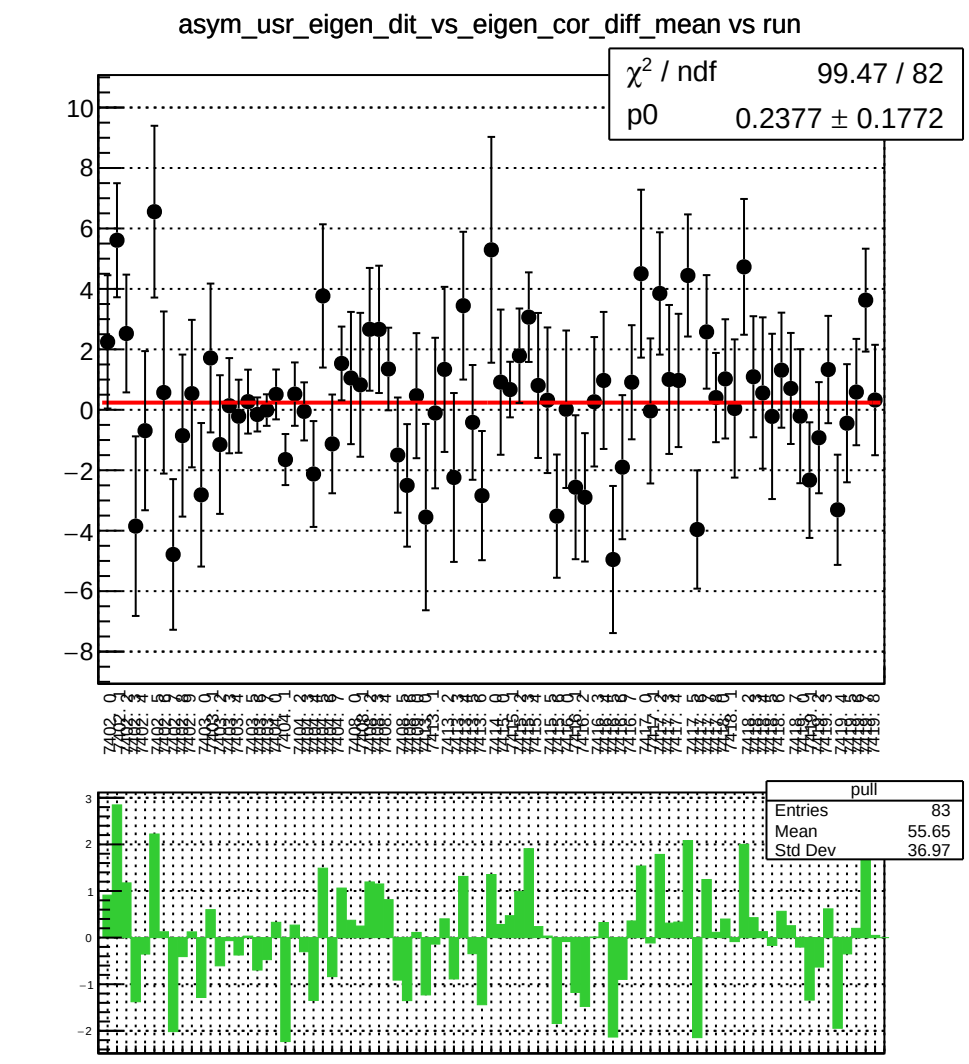

pull1D
Entries 83
Mean −0.005581
Std Dev 1.032

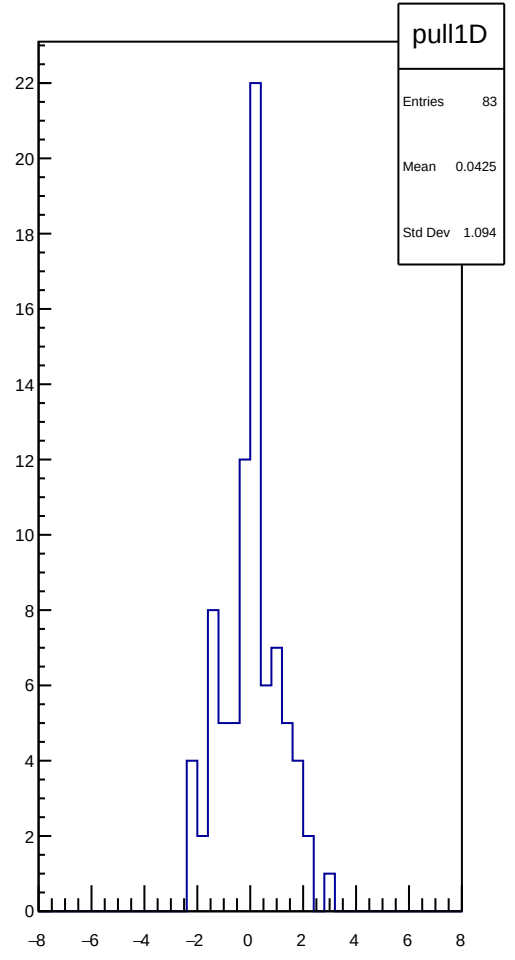

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.872e+04 / 82
p0 0.006673 ± 5.343e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006

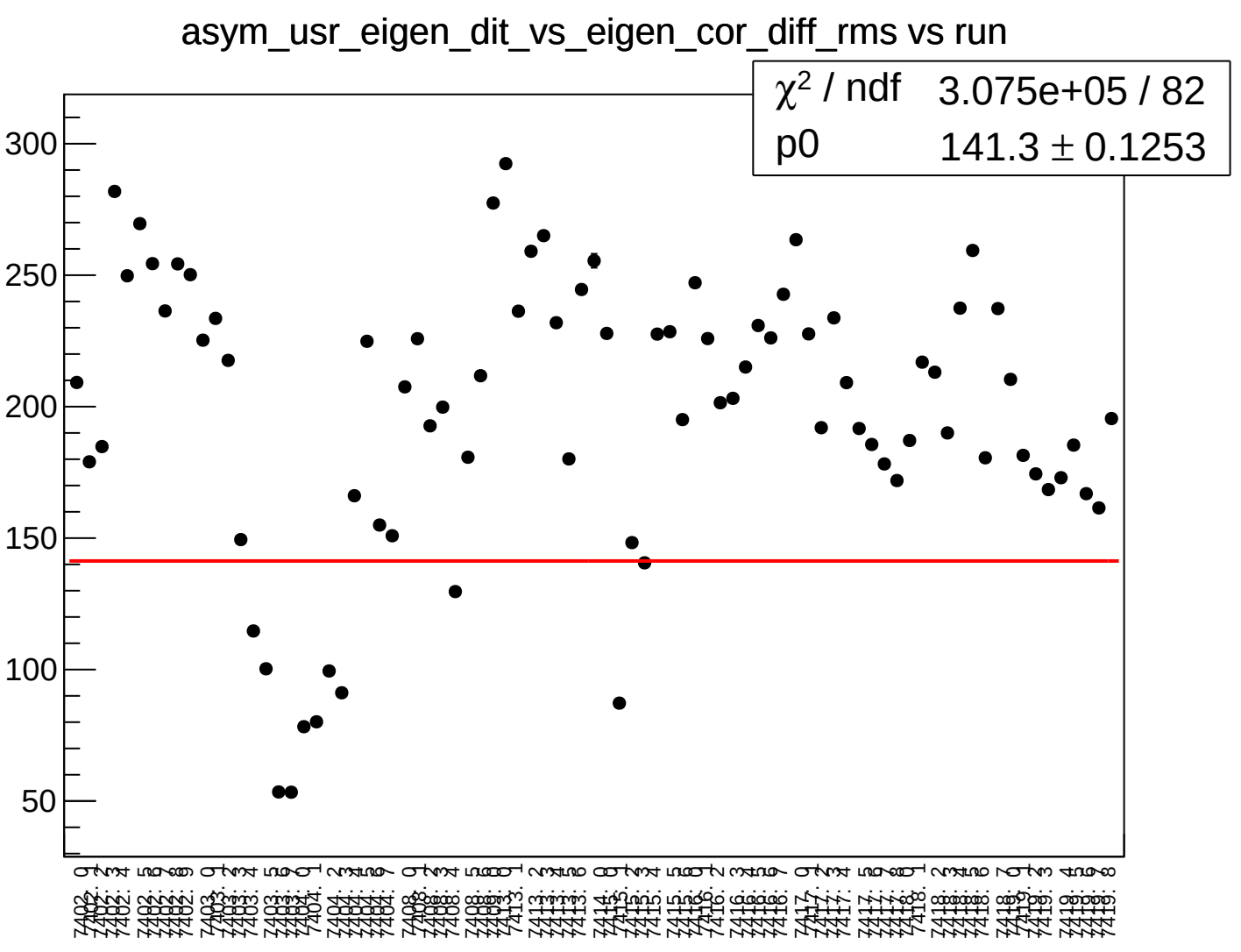

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.47 / 82
p0 0.2377 ± 0.1772
pull
Entries 83
Mean 55.65
Std Dev 36.97

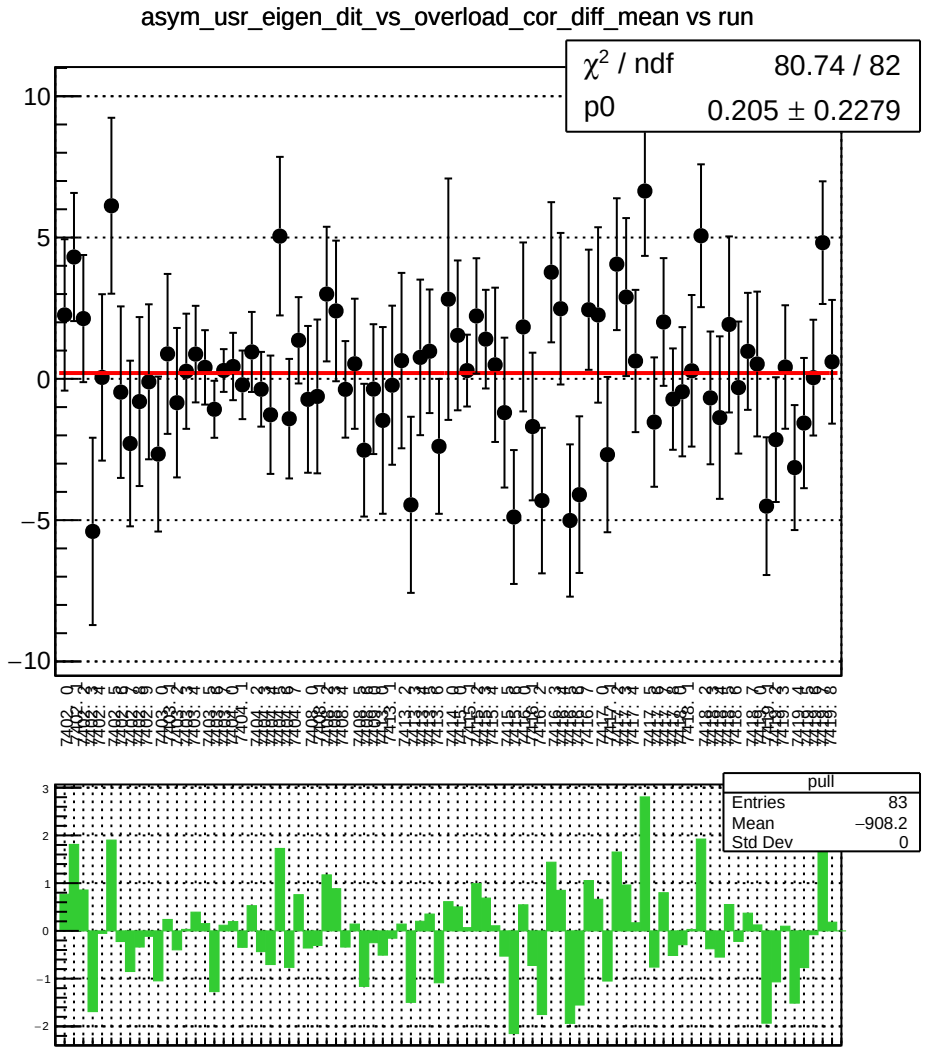

pull1D
Entries 83
Mean 0.0425
Std Dev 1.094

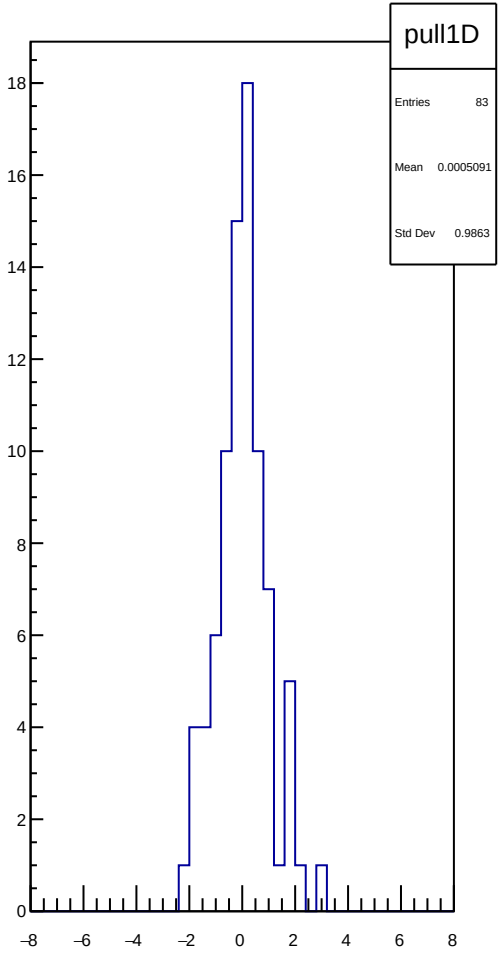

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.075e+05 / 82
p0 141.3 ± 0.1253
300
250
200
150
100
50

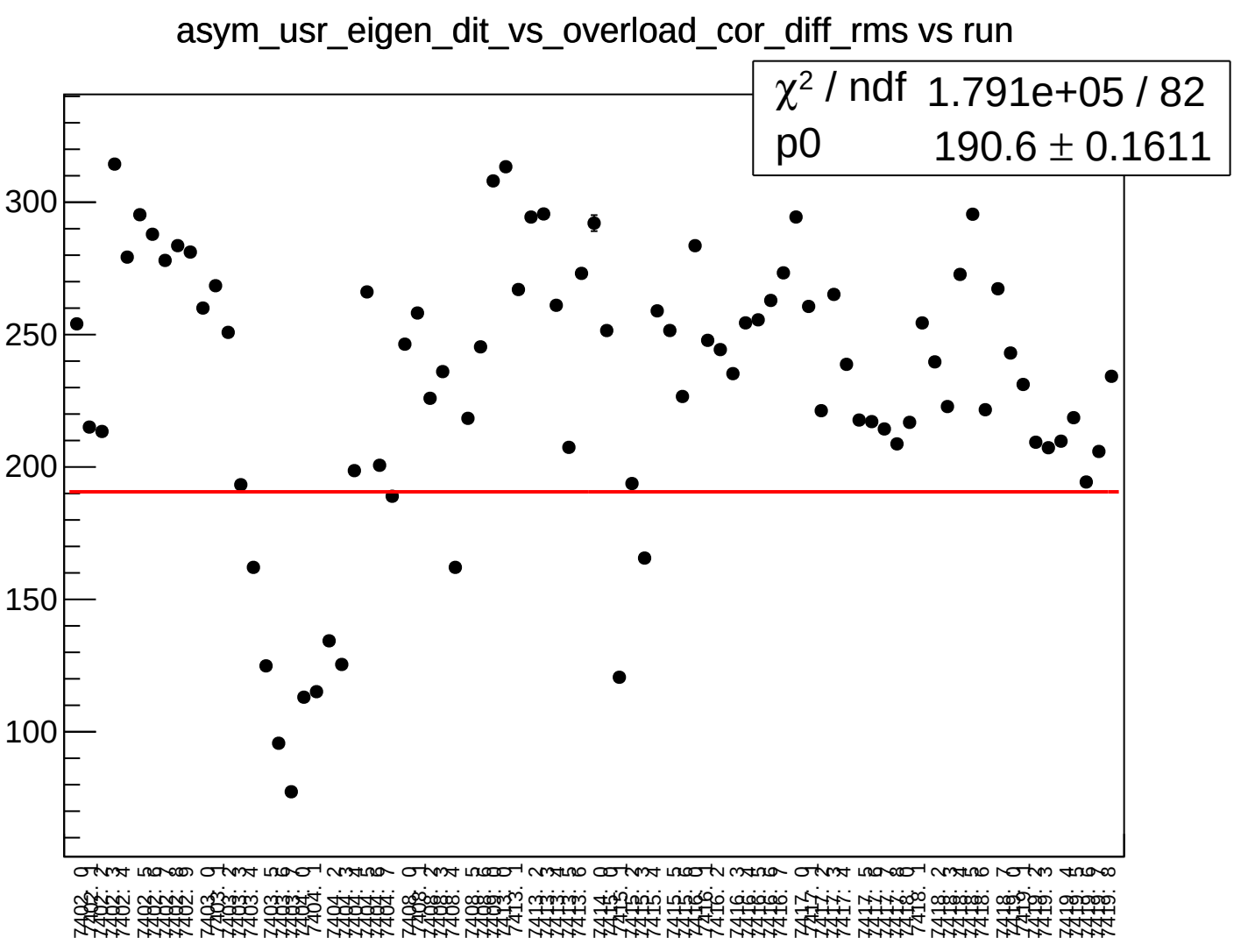

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.47 / 82
p0 0.2377 ± 0.1772
pull
Entries 83
Mean 55.65
Std Dev 36.97

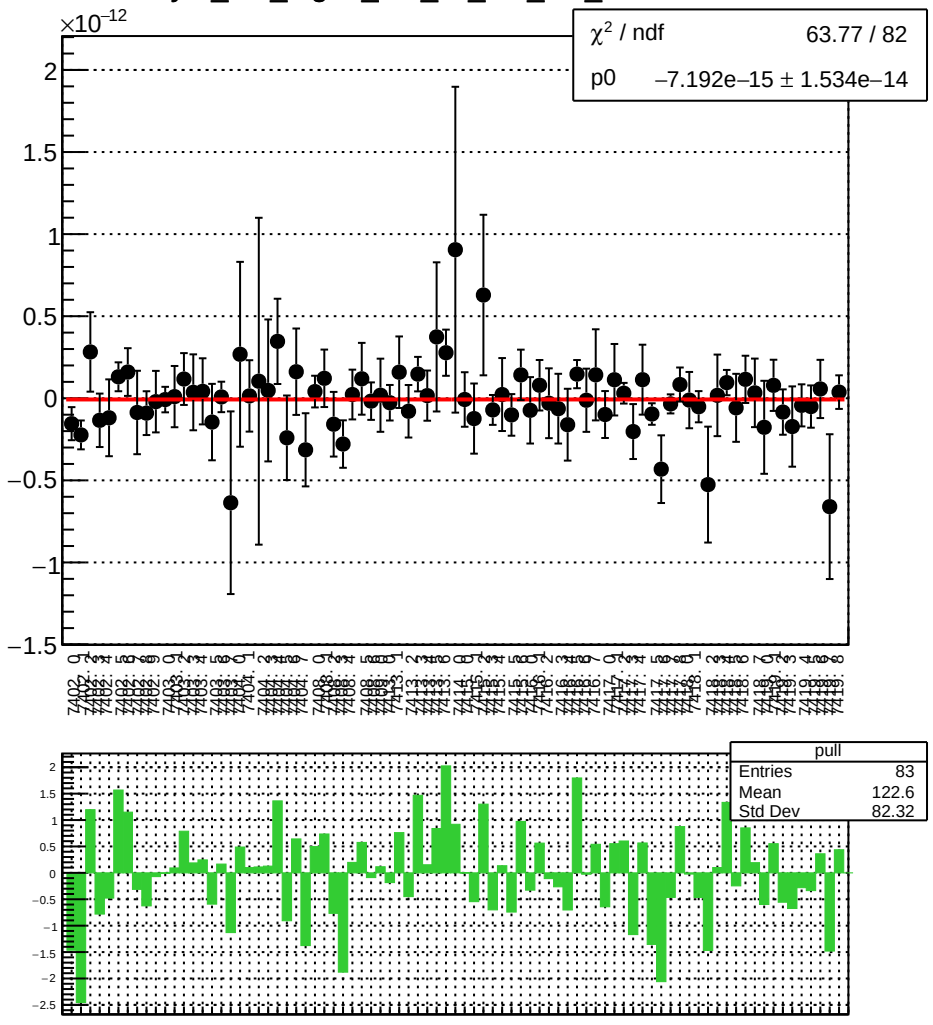

pull1D
Entries 83
Mean 0.0425
Std Dev 1.094

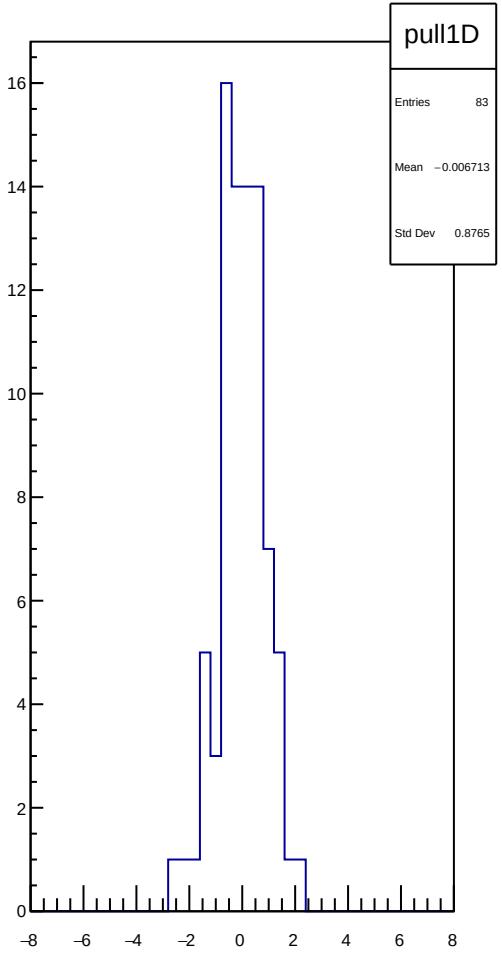

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.075e+05 / 82
p0 141.3 ± 0.1253
300
250
200
150
100
50

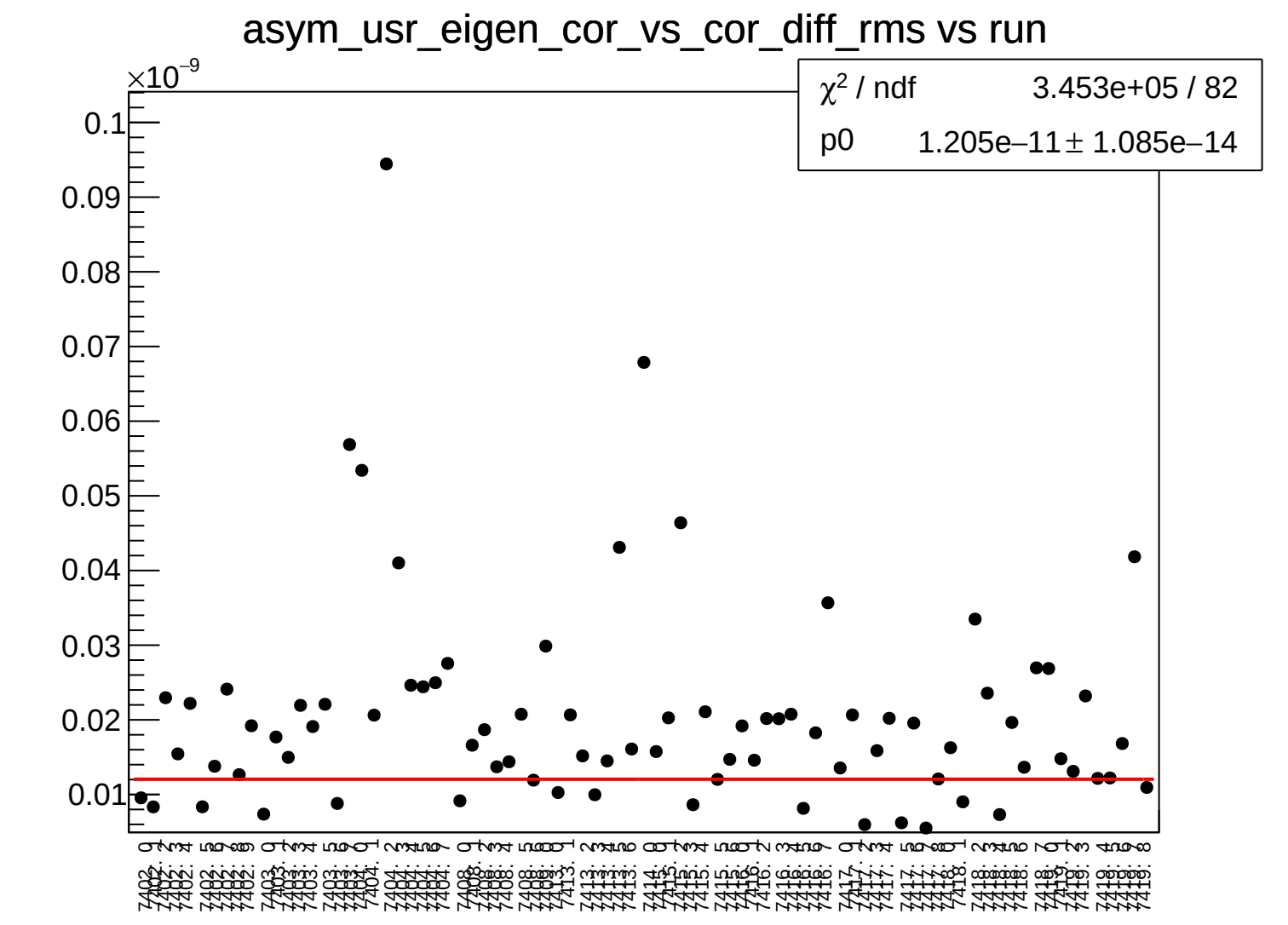

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 80.74 / 82
p0 0.205 ± 0.2279
pull
Entries 83
Mean −908.2
Std Dev 0

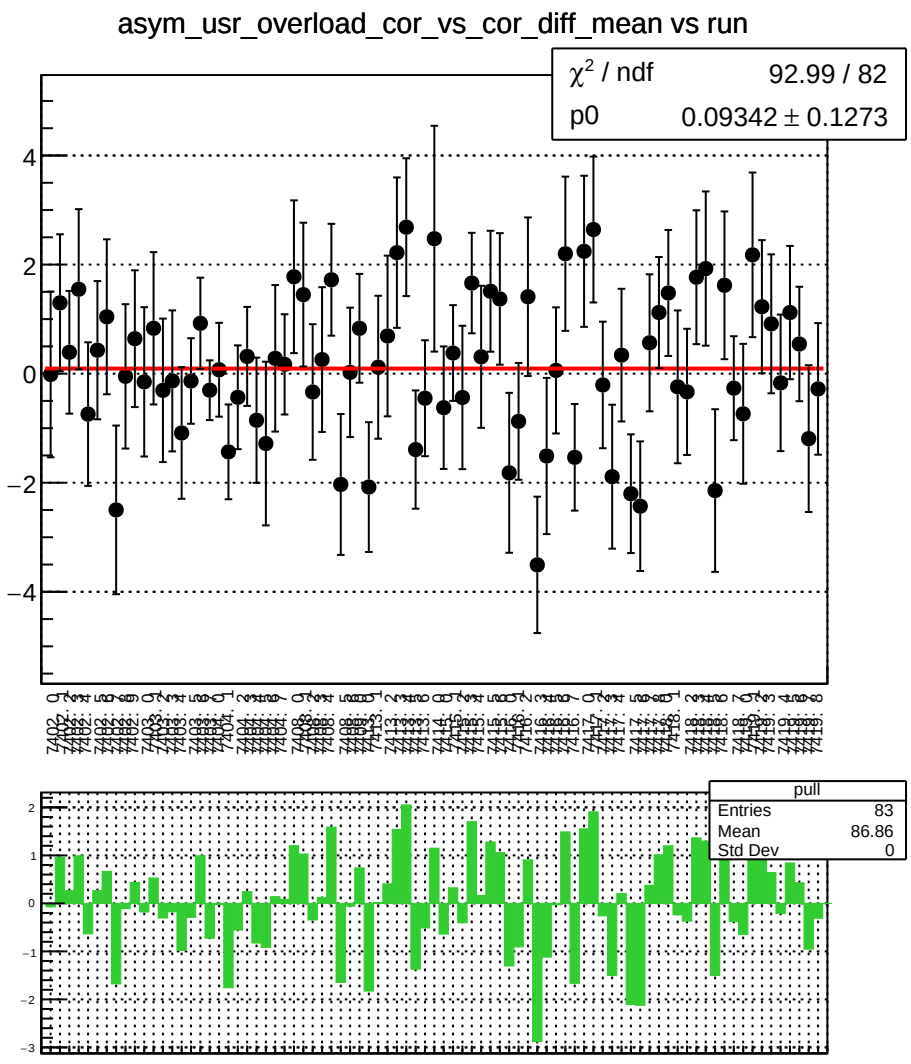

pull1D
Entries 83
Mean 0.0005091
Std Dev 0.9863

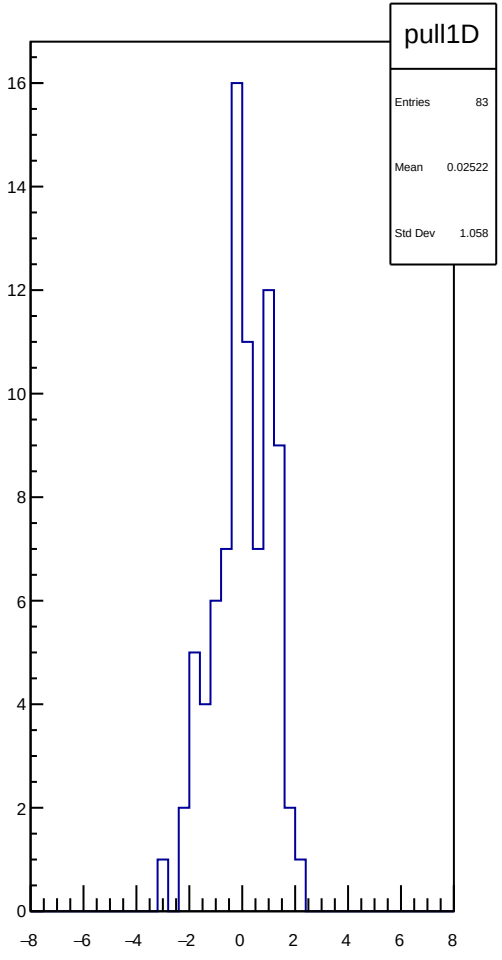

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.791e+05 / 82
p0 190.6 ± 0.1611
300
250
200
150
100

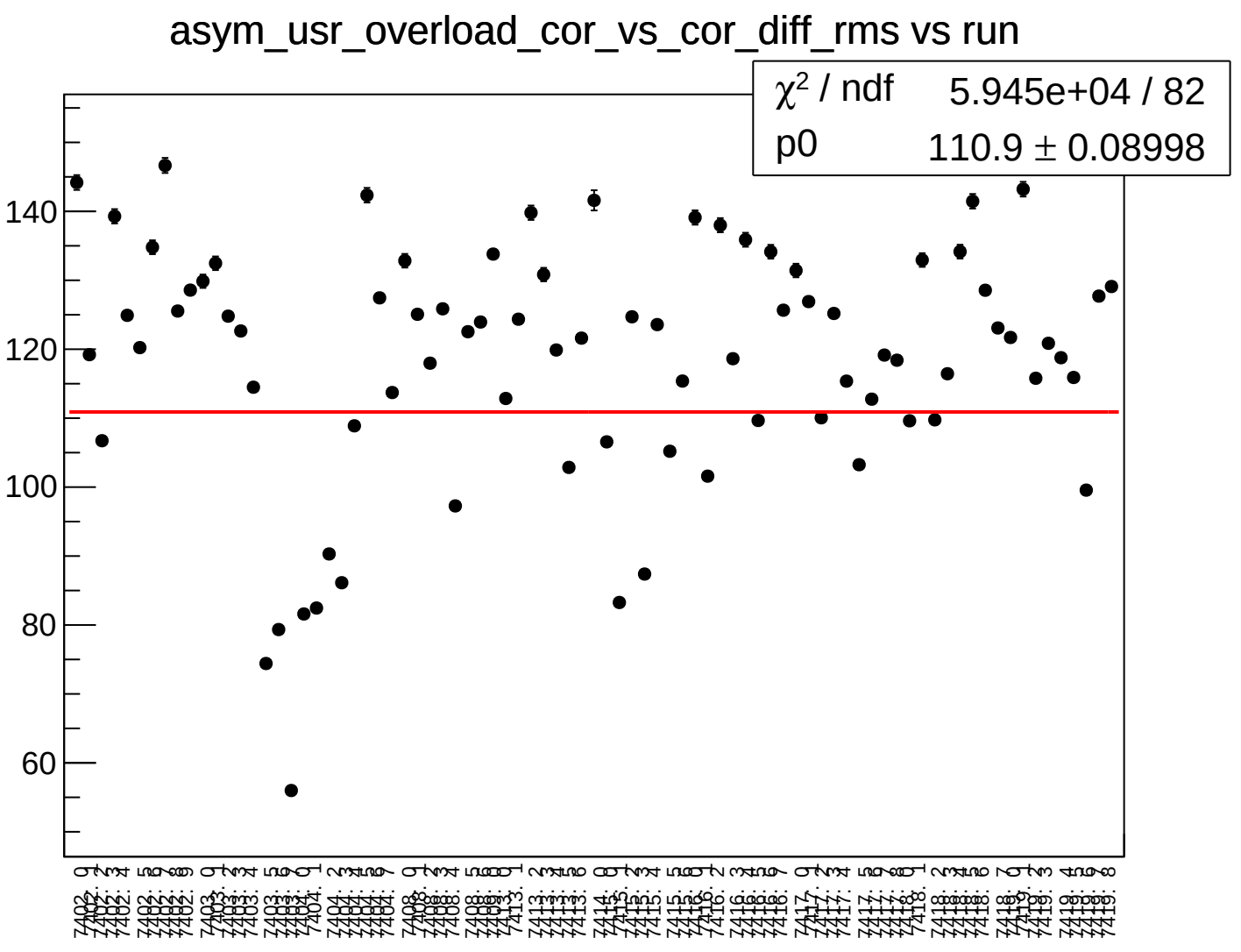

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.77 / 82
p0 −7.192e−15 ± 1.534e−14
pull
Entries 83
Mean 122.6
Std Dev 82.32

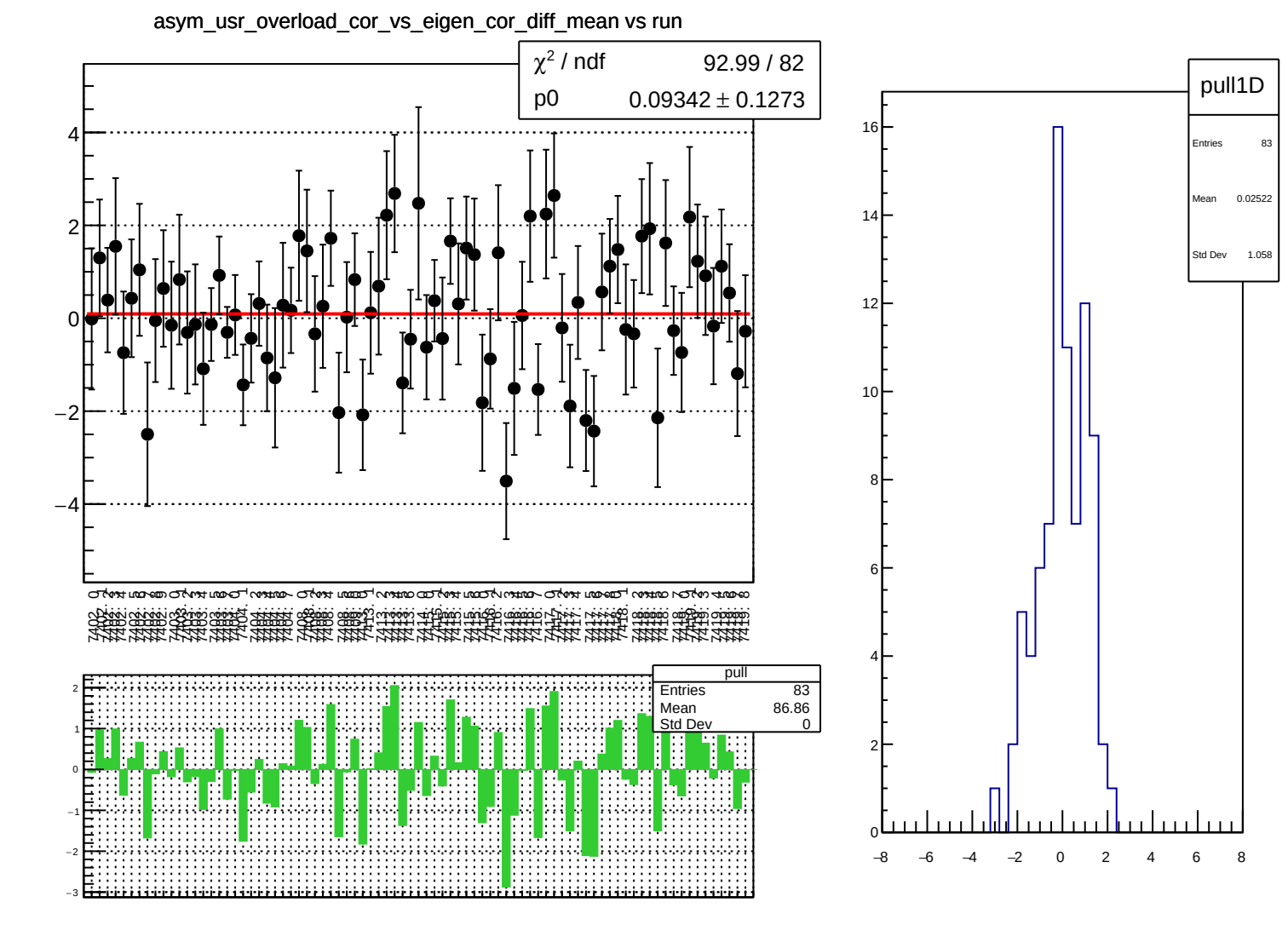

pull1D
Entries 83
Mean −0.006713
Std Dev 0.8765

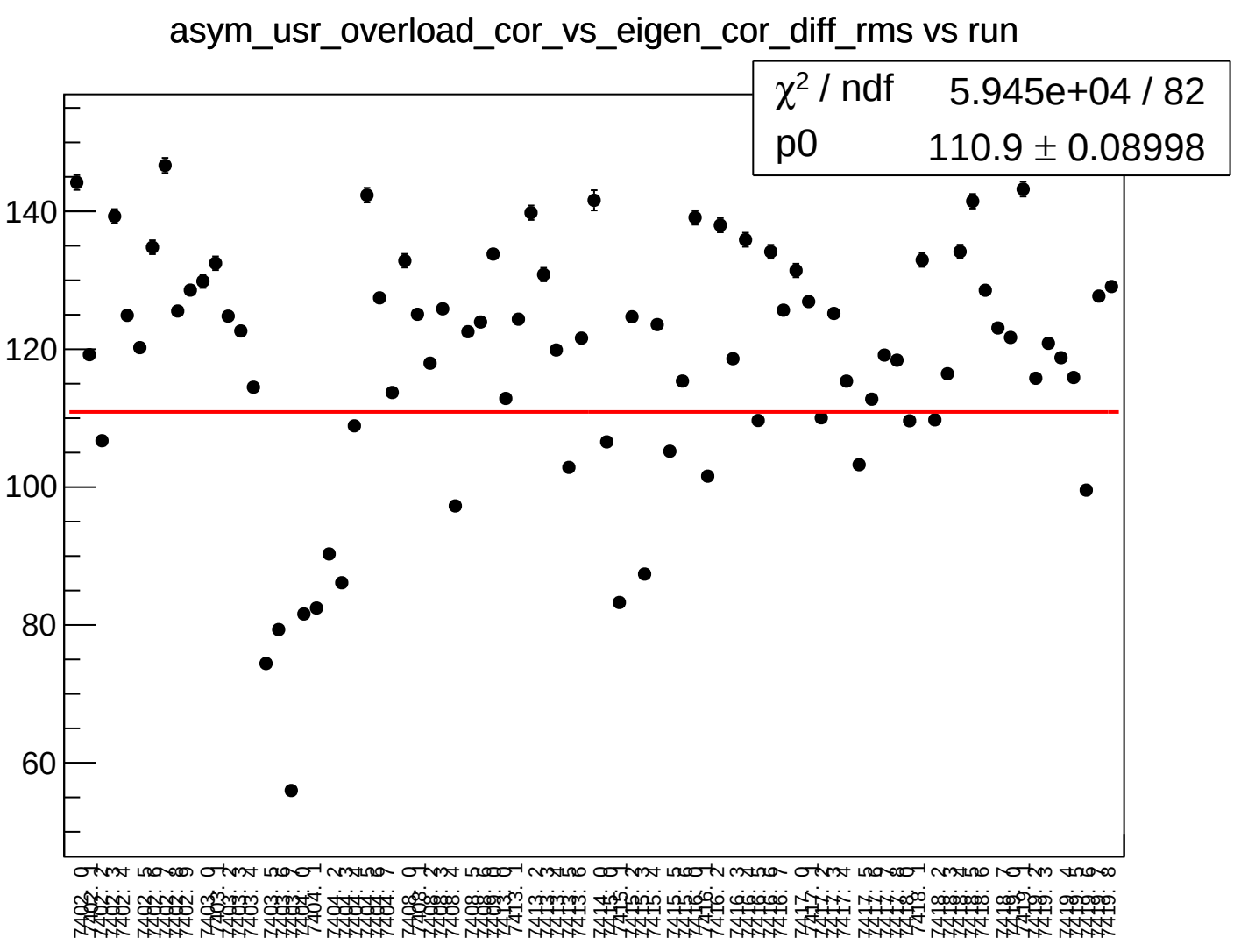

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.453e+05 / 82
p0 1.205e−11 ± 1.085e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

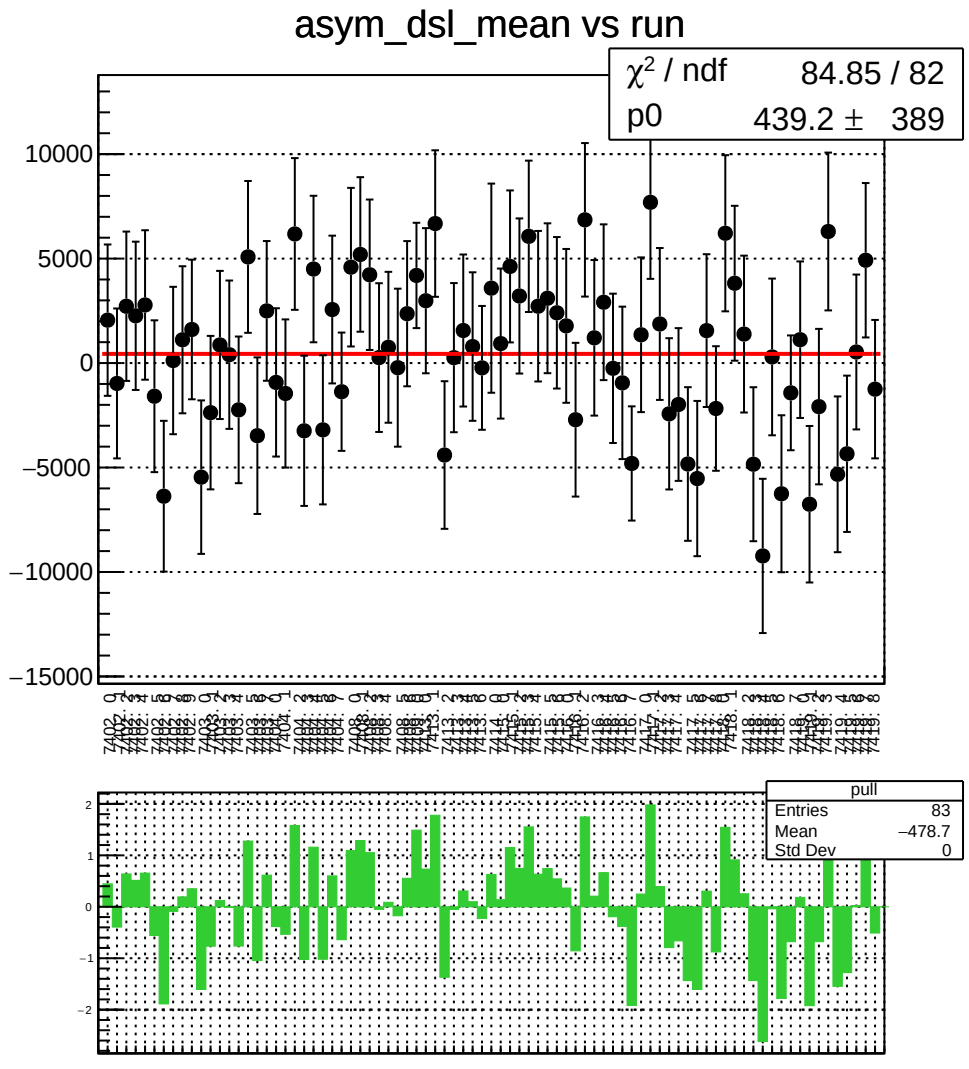

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 92.99 / 82
p0 0.09342 ± 0.1273
pull
Entries 83
Mean 86.86
Std Dev 0

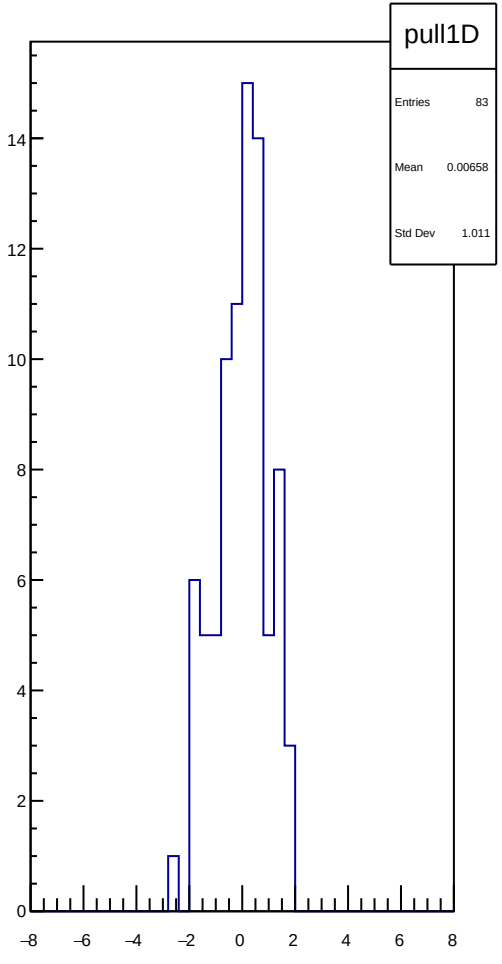

pull1D
Entries 83
Mean 0.02522
Std Dev 1.058

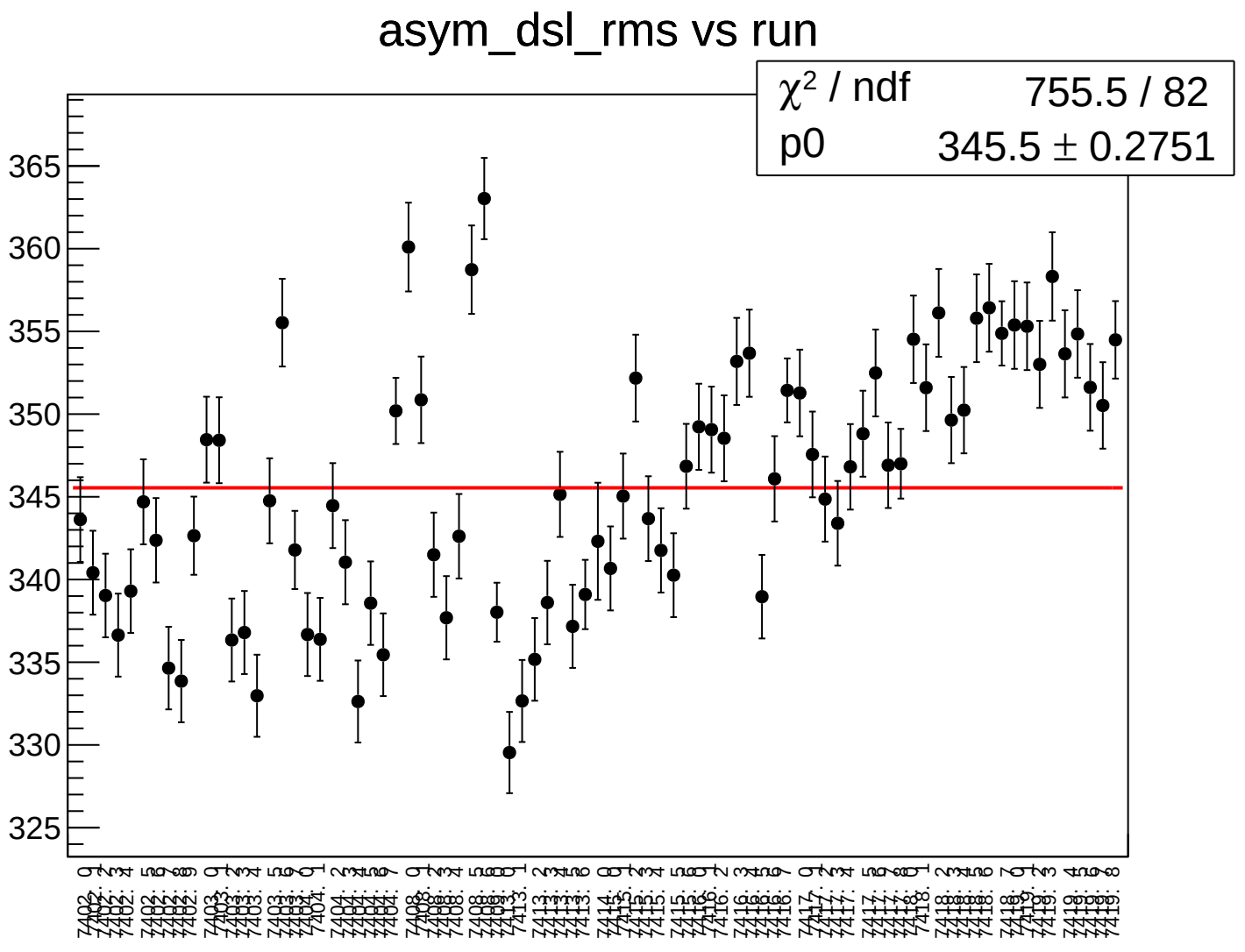

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 5.945e+04 / 82
p0 110.9 ± 0.08998
140
120
100
80
60

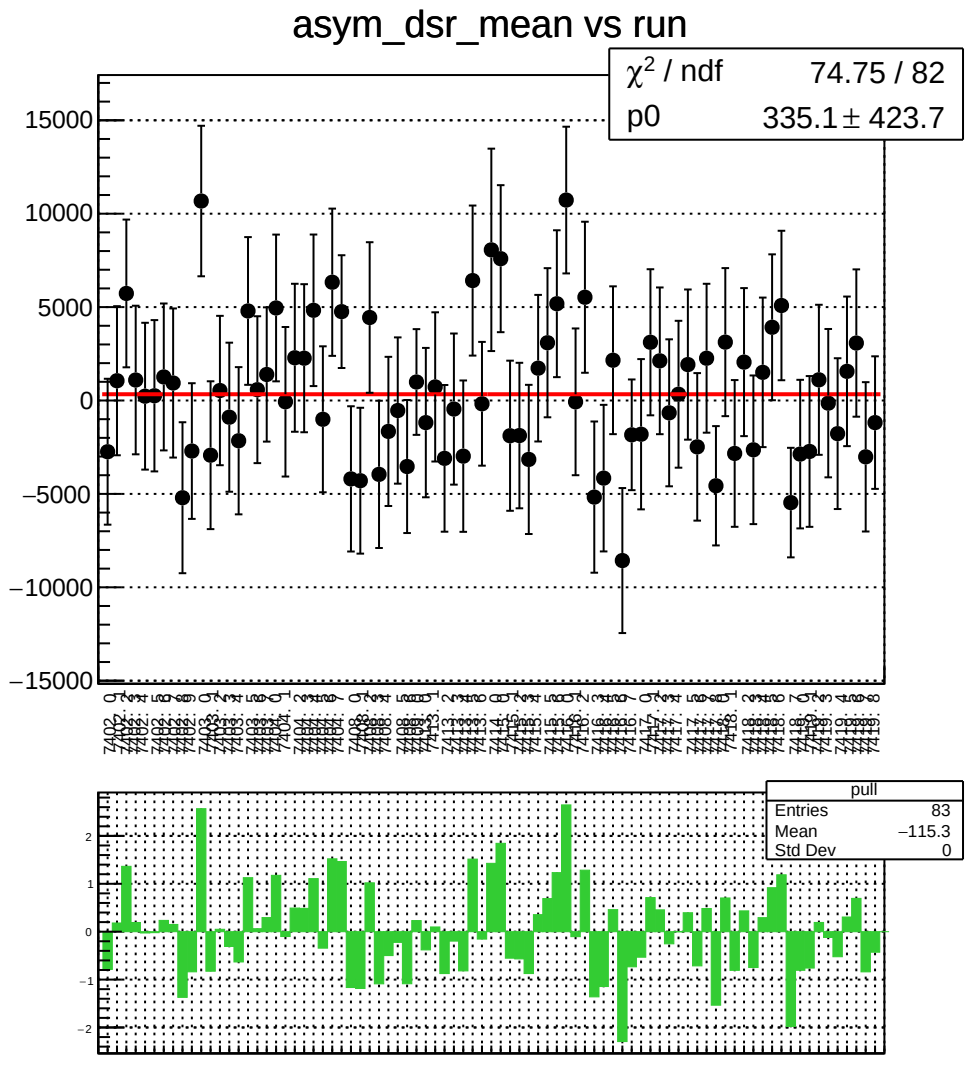

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.99 / 82
p0 0.09342 ± 0.1273
pull
Entries 83
Mean 86.86
Std Dev 0
pull1D
Entries 83
Mean 0.02522
Std Dev 1.058

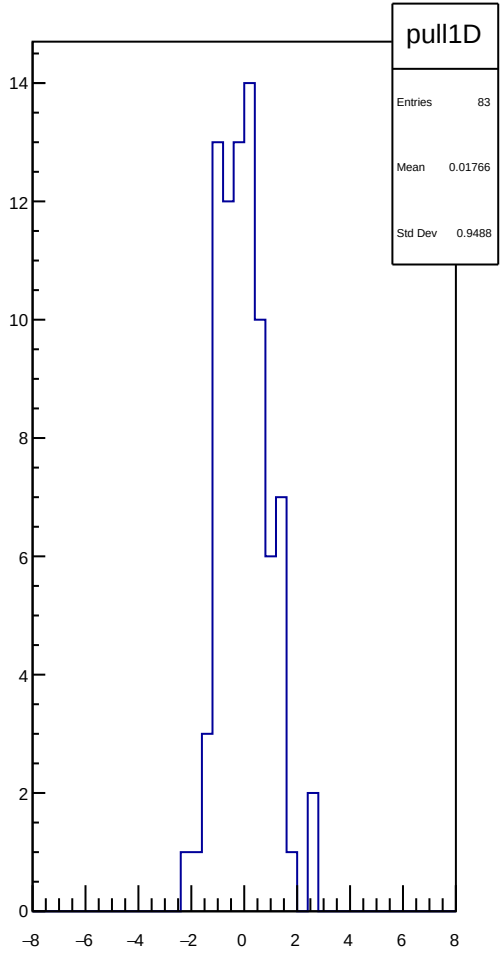

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.945e+04 / 82
p0 110.9 ± 0.08998
140
120
100
80
60

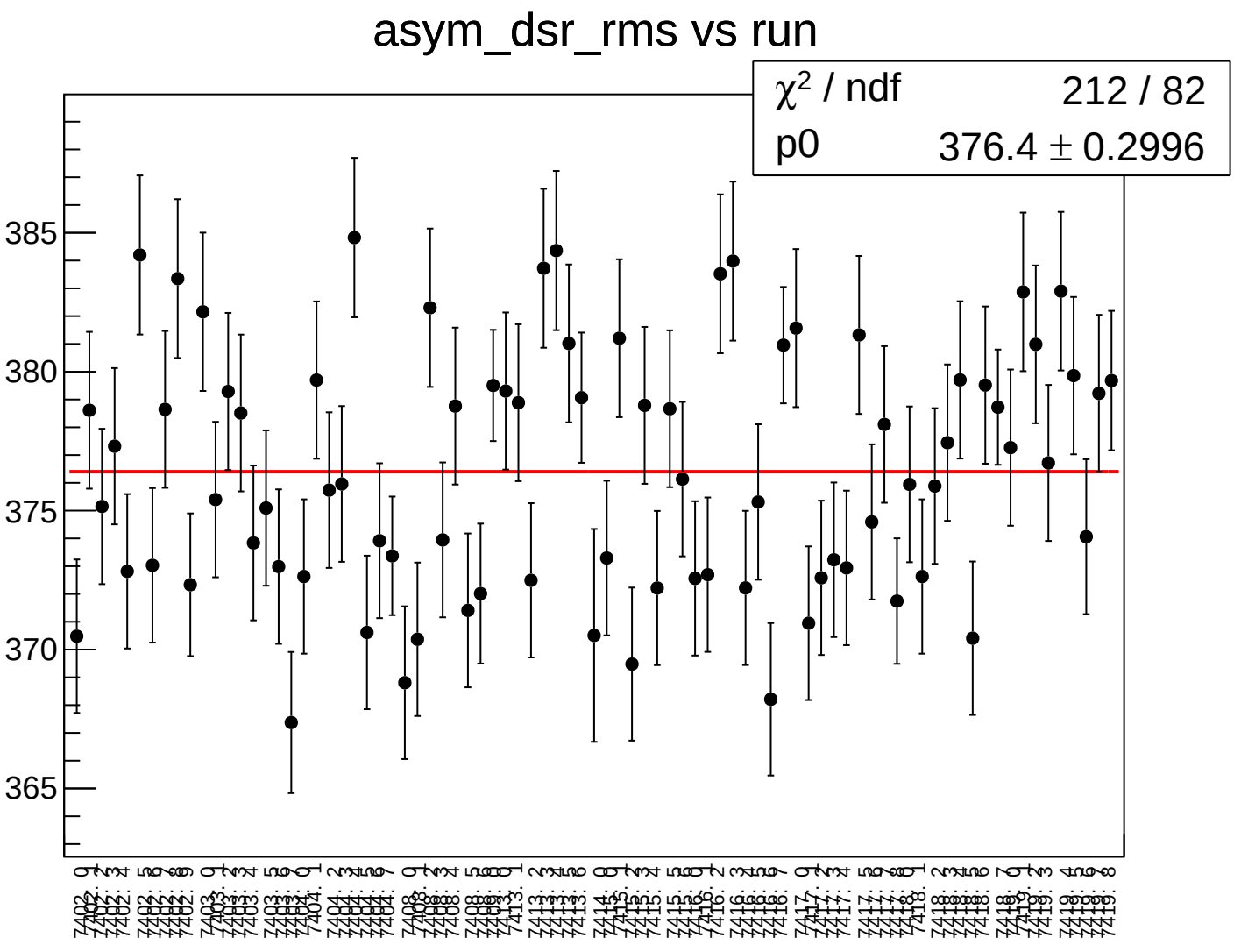

asym_dsl_mean vs run
χ² / ndf 84.85 / 82
p0 439.2 ± 389
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −478.7
Std Dev 0
2
1
0
−1
−2

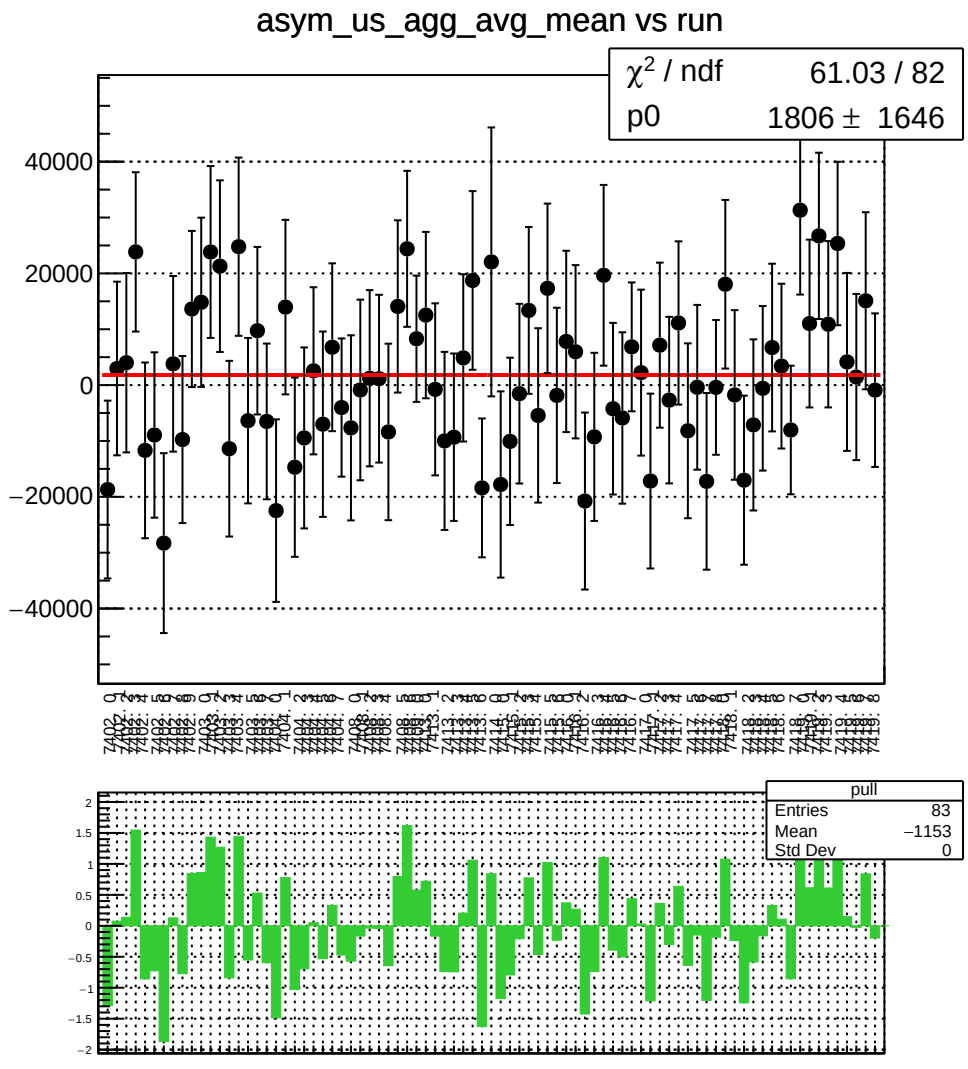

pull1D
Entries 83
Mean 0.00658
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

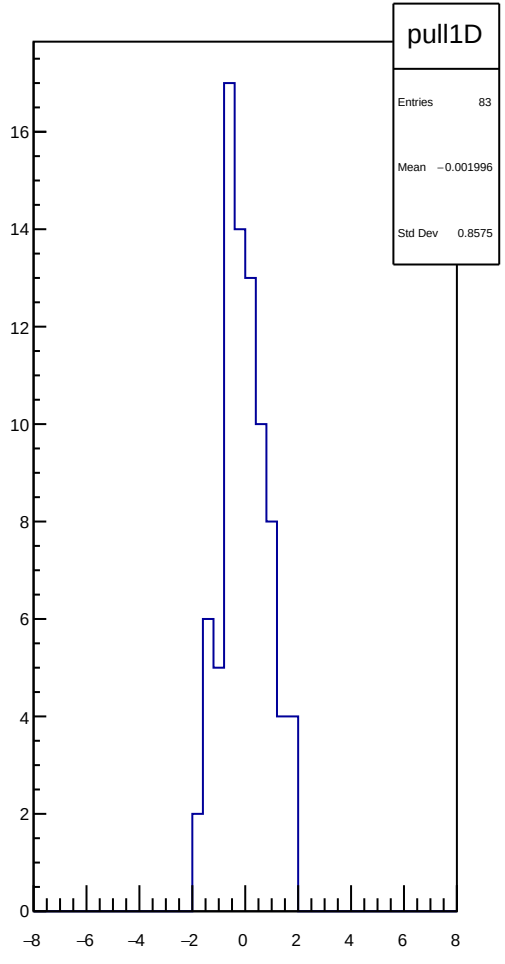

asym_dsl_rms vs run
χ² / ndf 755.5 / 82
p0 345.5 ± 0.2751
365
360
355
350
345
340
335
330
325

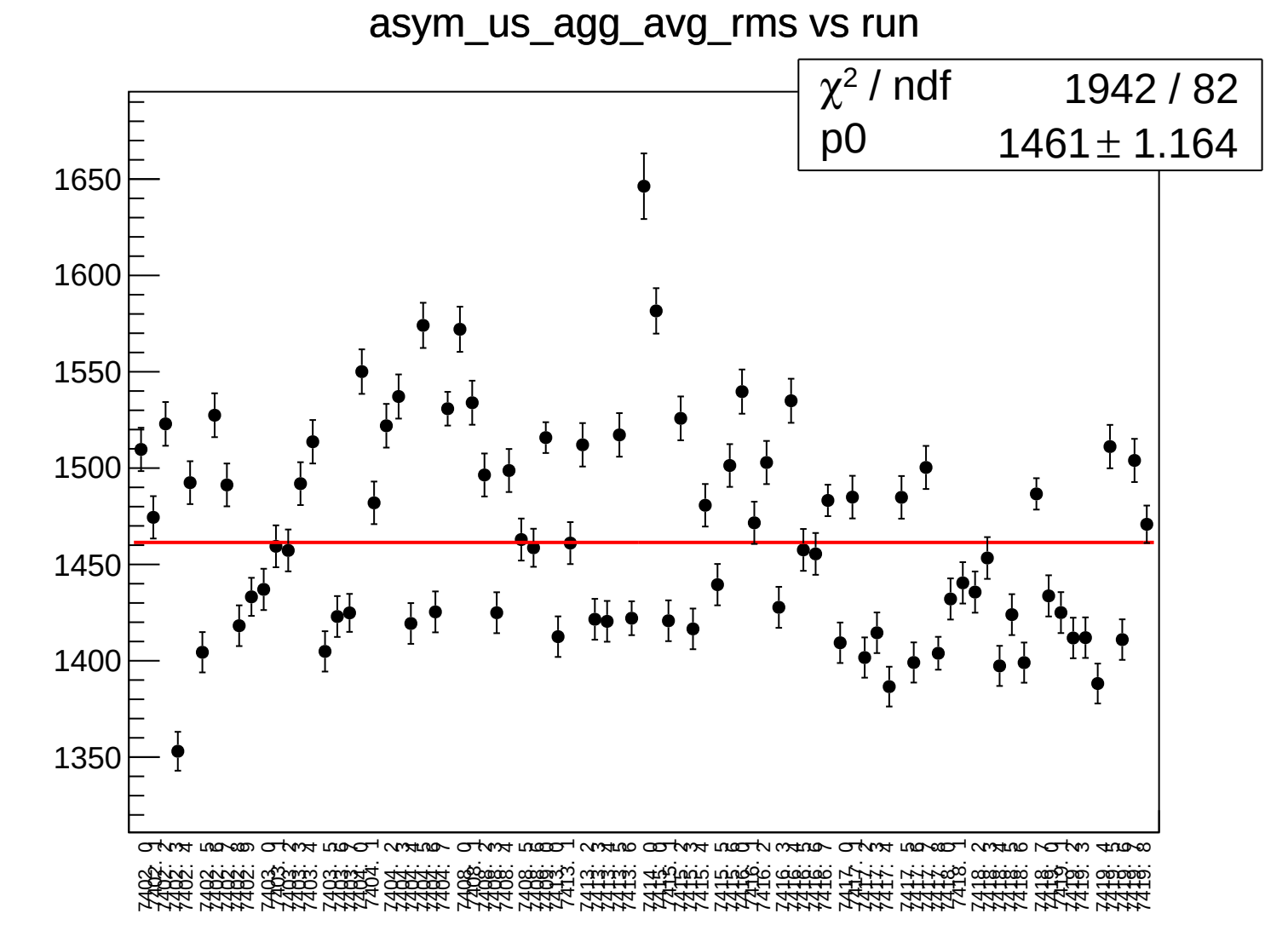

asym_dsr_mean vs run
χ^2 / ndf 74.75 / 82
p0 335.1 ± 423.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −115.3
Std Dev 0
2
1
0
−1
−2

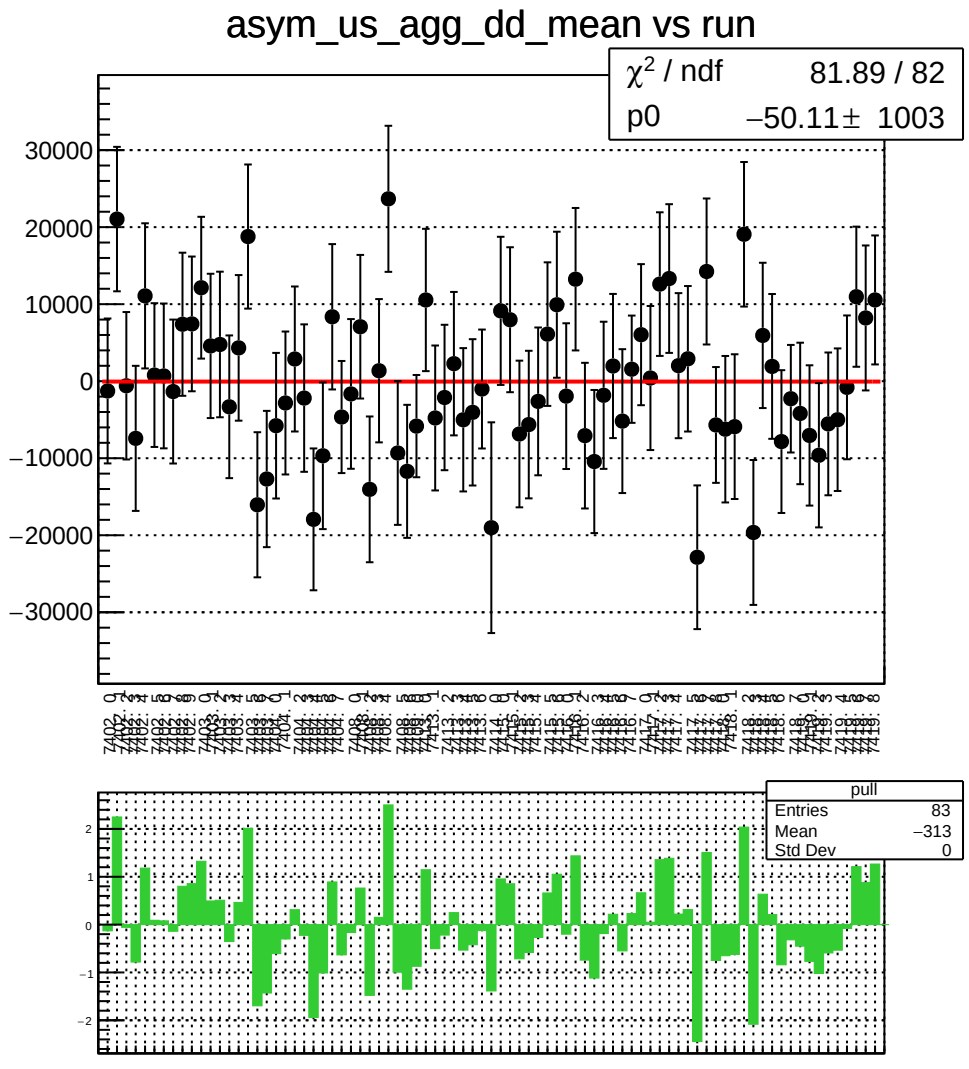

pull1D
Entries 83
Mean 0.01766
Std Dev 0.9488
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

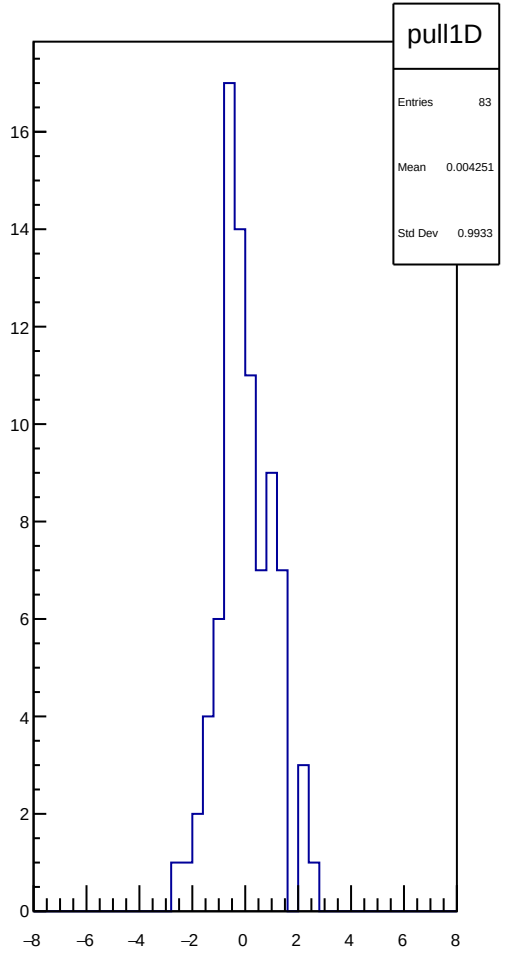

asym_dsr_rms vs run
χ² / ndf 212 / 82
p0 376.4 ± 0.2996
385
380
375
370
365

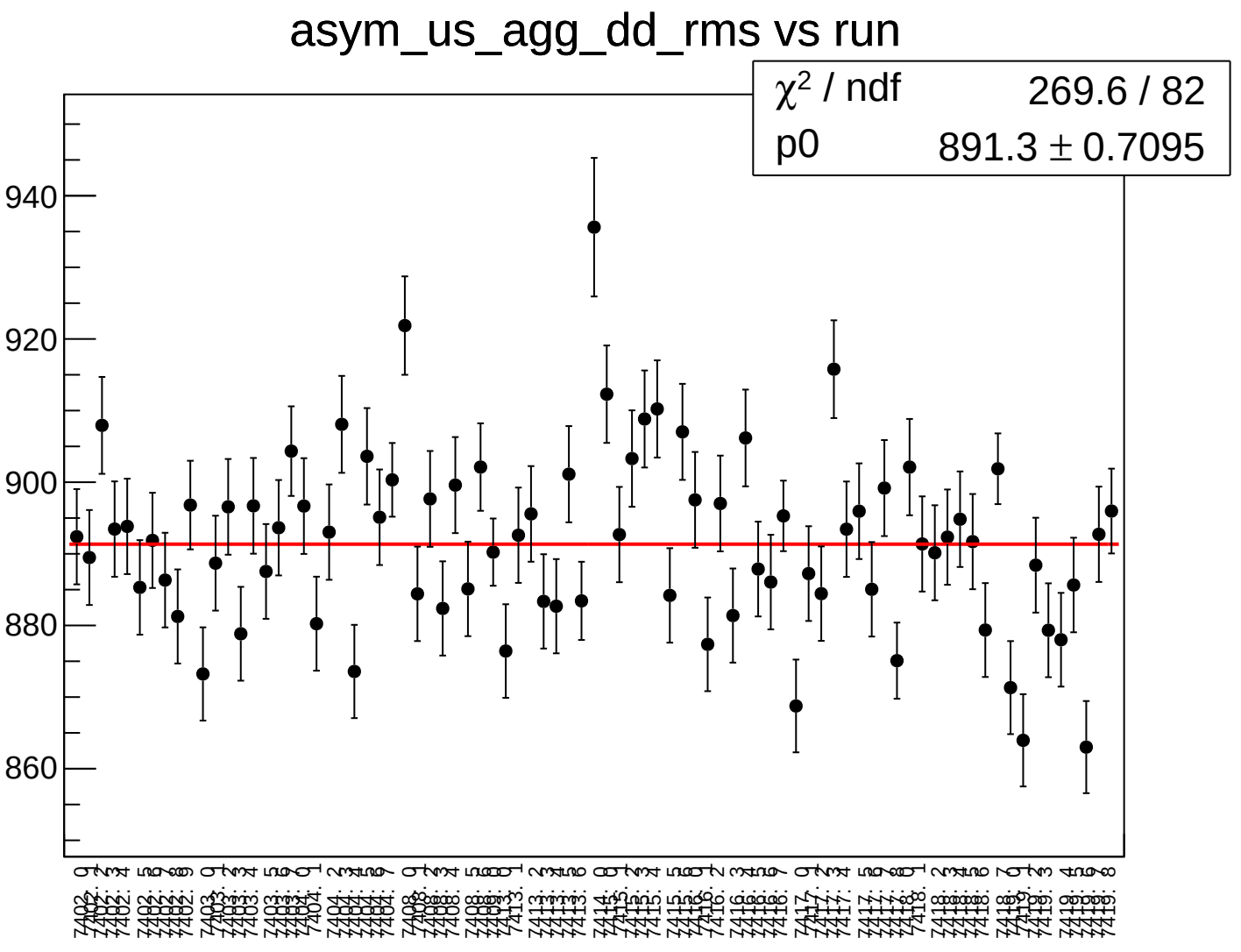

asym_us_agg_avg_mean vs run
χ² / ndf 61.03 / 82
p0 1806 ± 1646
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1153
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

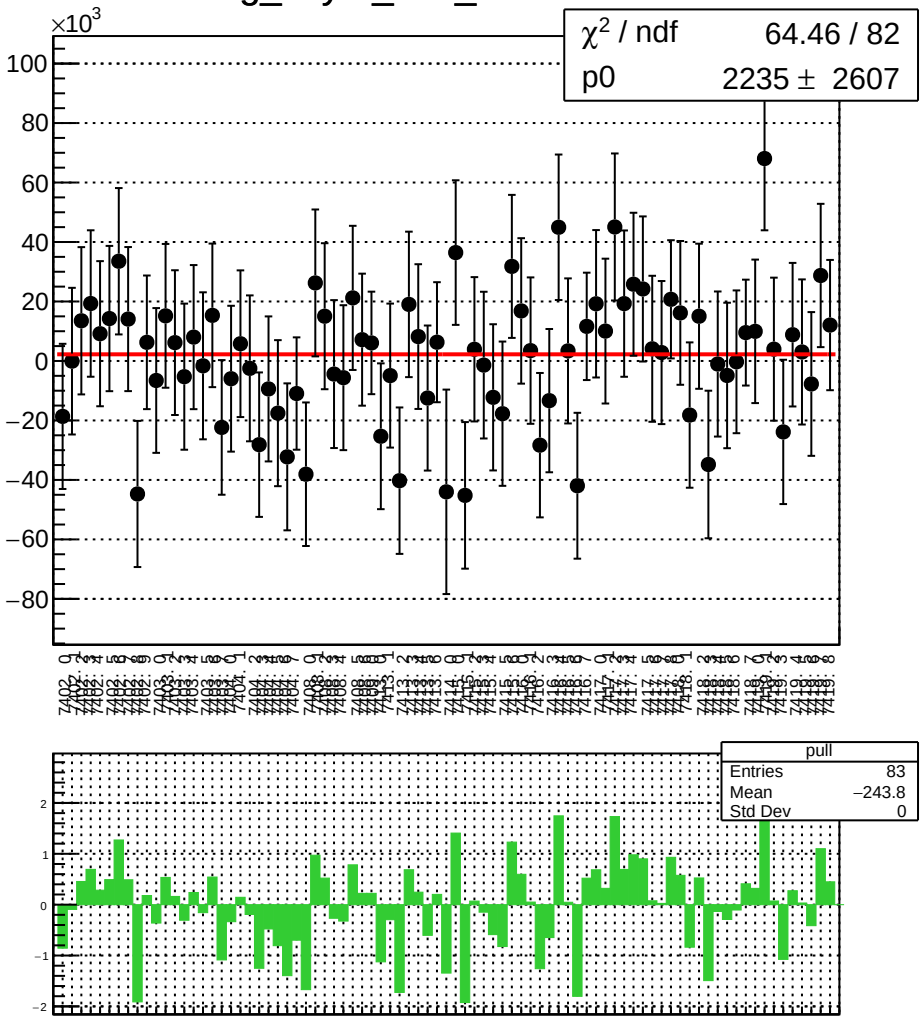

pull1D
Entries 83
Mean −0.001996
Std Dev 0.8575
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

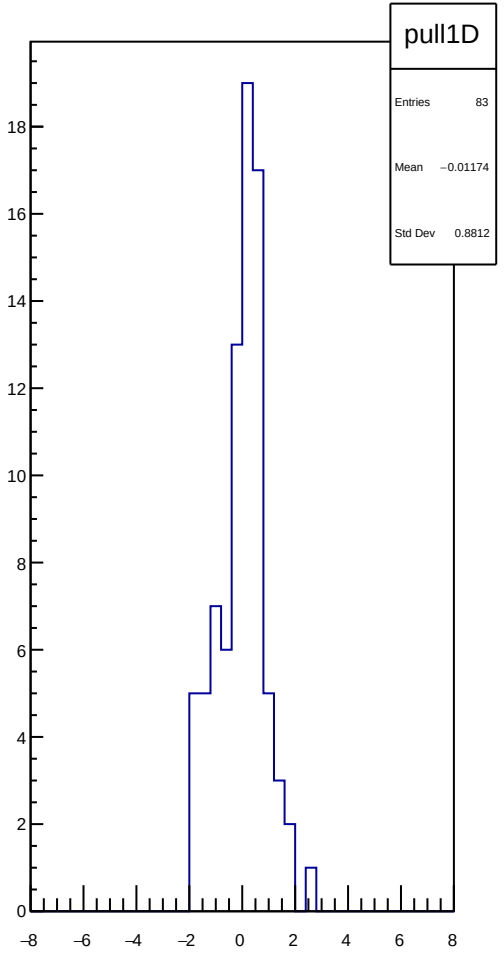

asym_us_agg_avg_rms vs run
χ² / ndf 1942 / 82
p0 1461 ± 1.164
1650
1600
1550
1500
1450
1400
1350

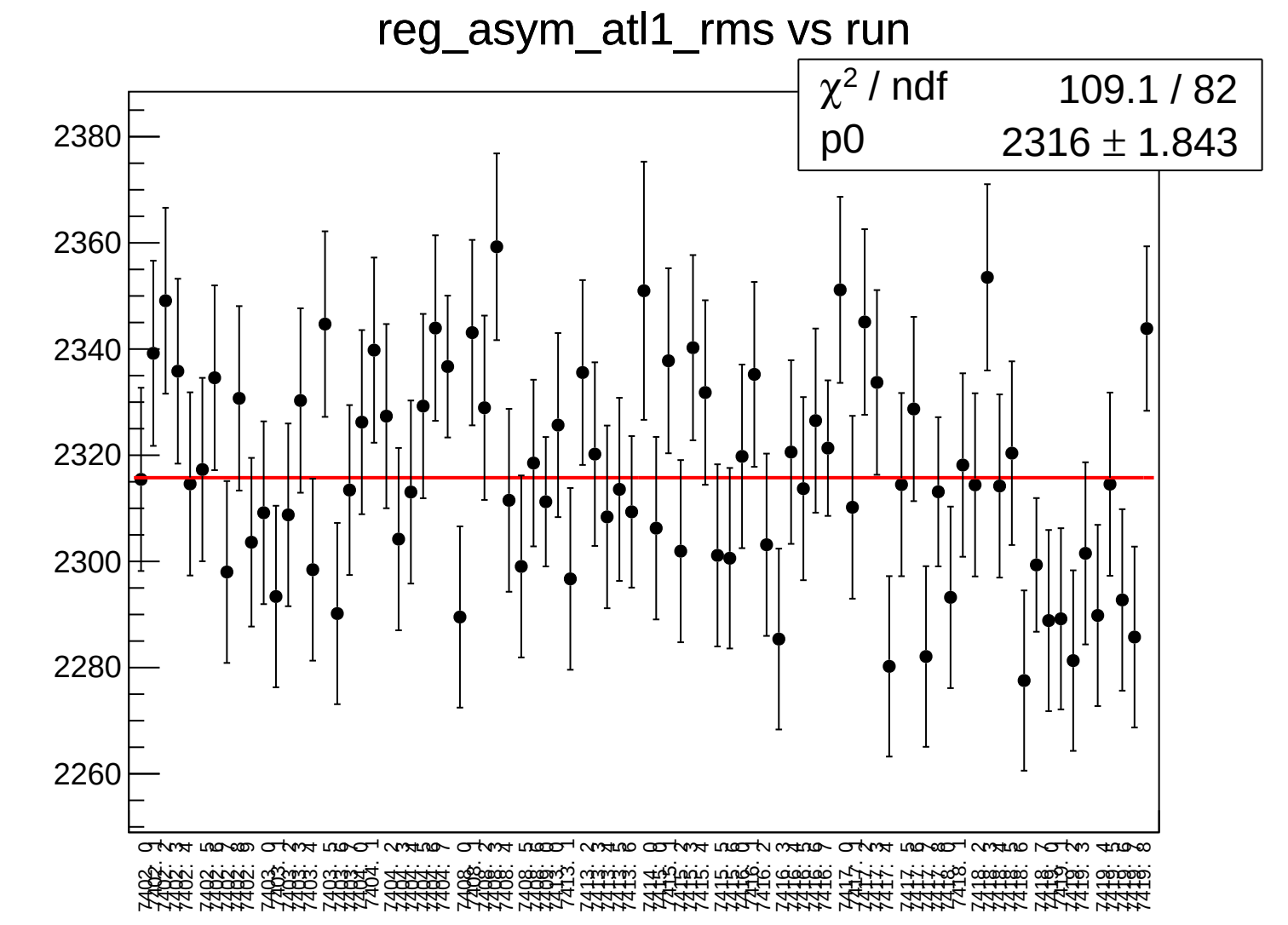

asym_us_agg_dd_mean vs run
χ² / ndf 81.89 / 82
p0 −50.11± 1003
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −313
Std Dev 0
2
1
0
−1
−2

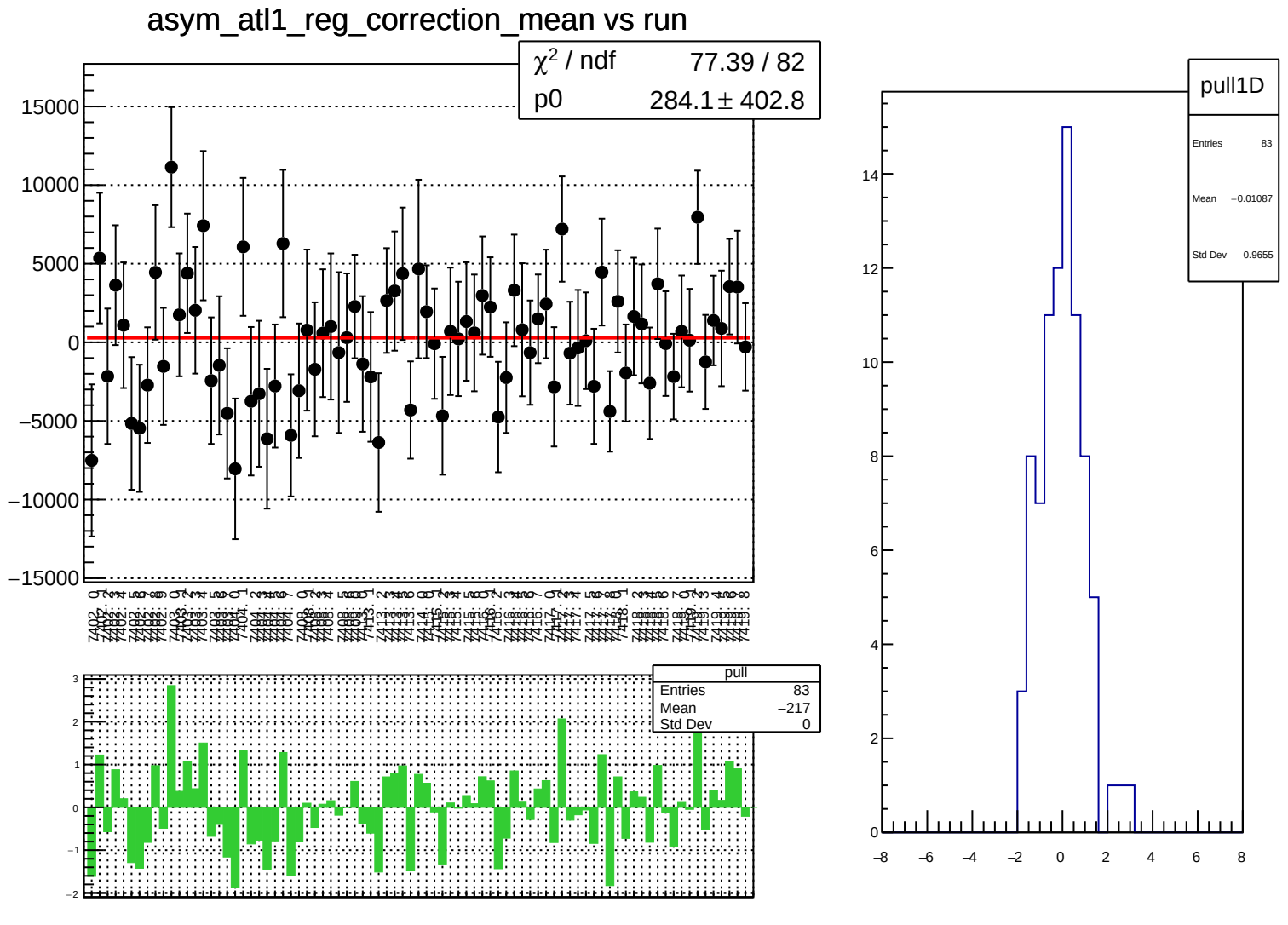

pull1D
Entries 83
Mean 0.004251
Std Dev 0.9933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

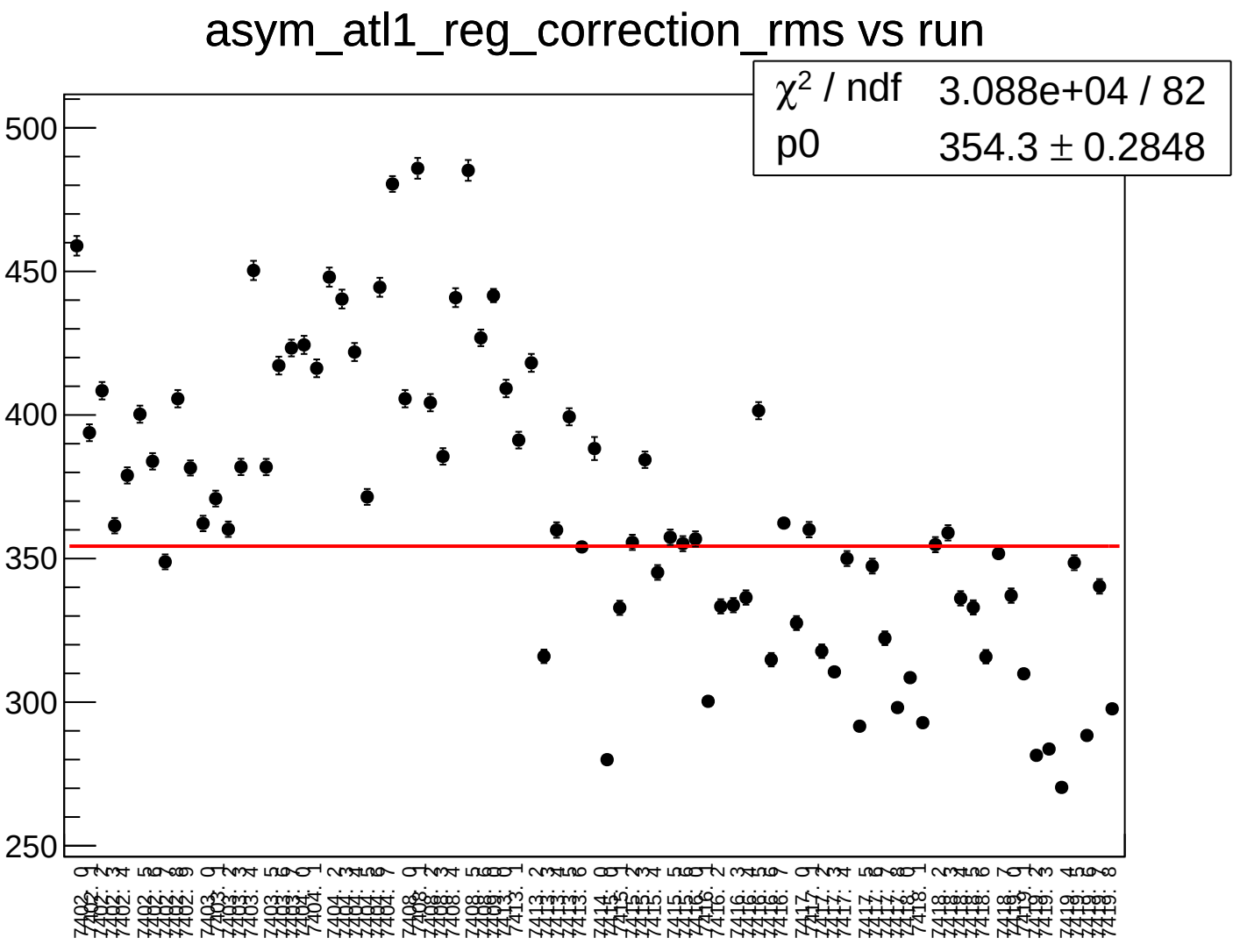

asym_us_agg_dd_rms vs run
χ² / ndf 269.6 / 82
p0 891.3 ± 0.7095
940
920
900
880
860

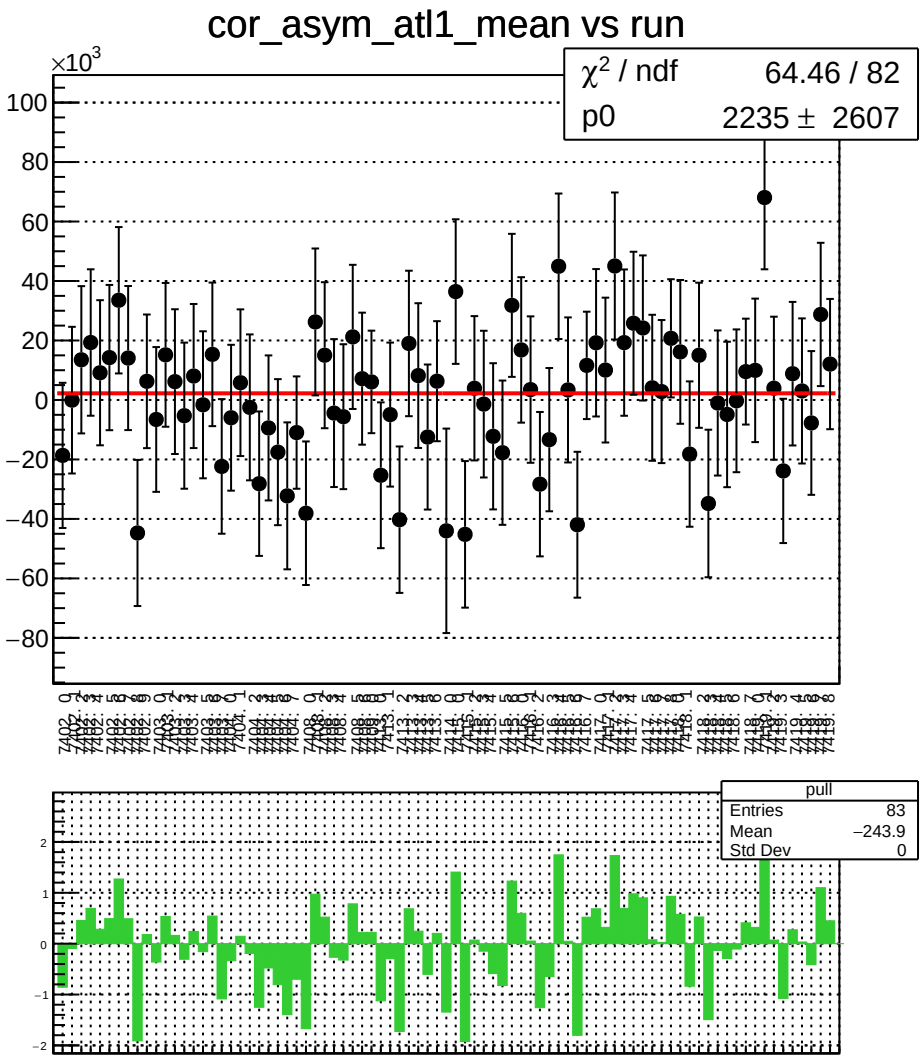

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 64.46 / 82
p0 2235 ± 2607
pull
Entries 83
Mean −243.8
Std Dev 0

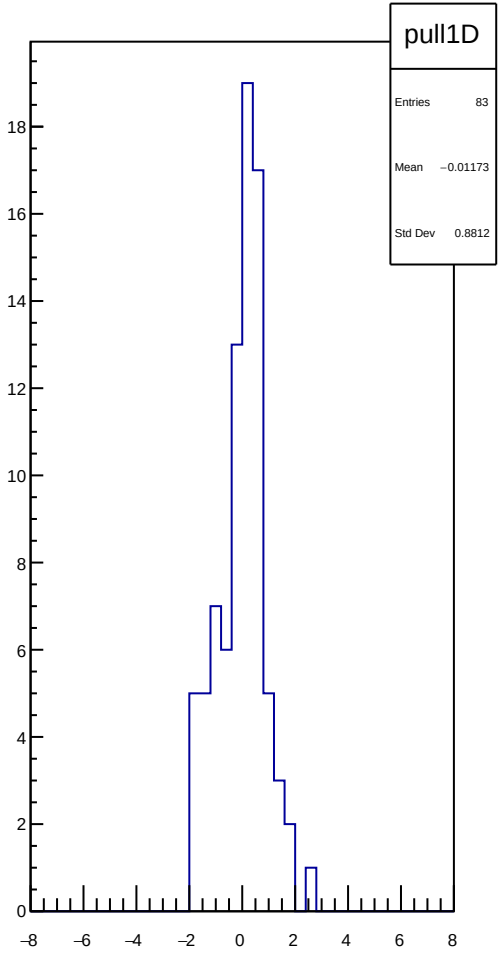

pull1D
Entries 83
Mean −0.01174
Std Dev 0.8812

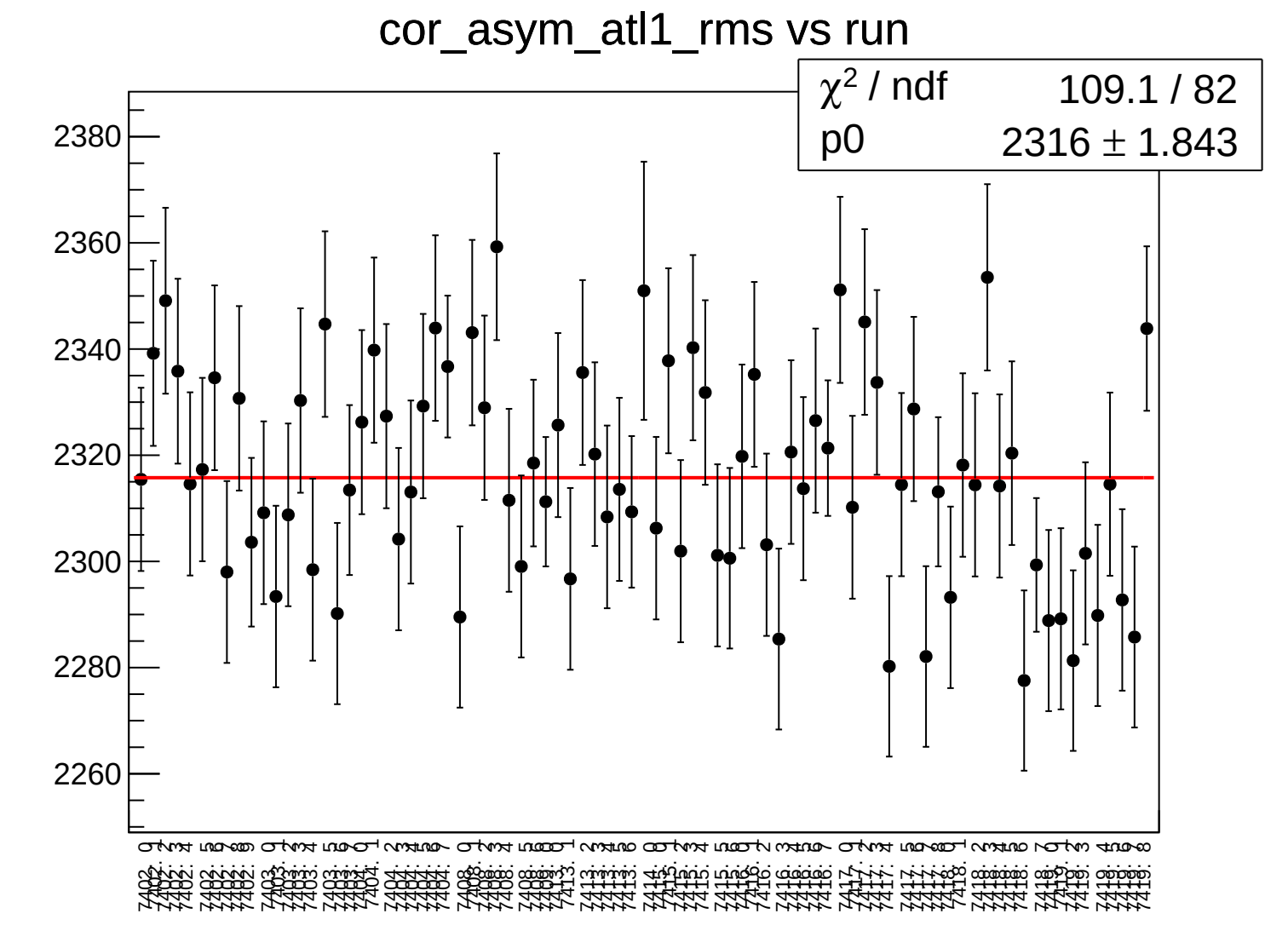

reg_asym_atl1_rms vs run
χ² / ndf 109.1 / 82
p0 2316 ± 1.843
2380
2360
2340
2320
2300
2280
2260

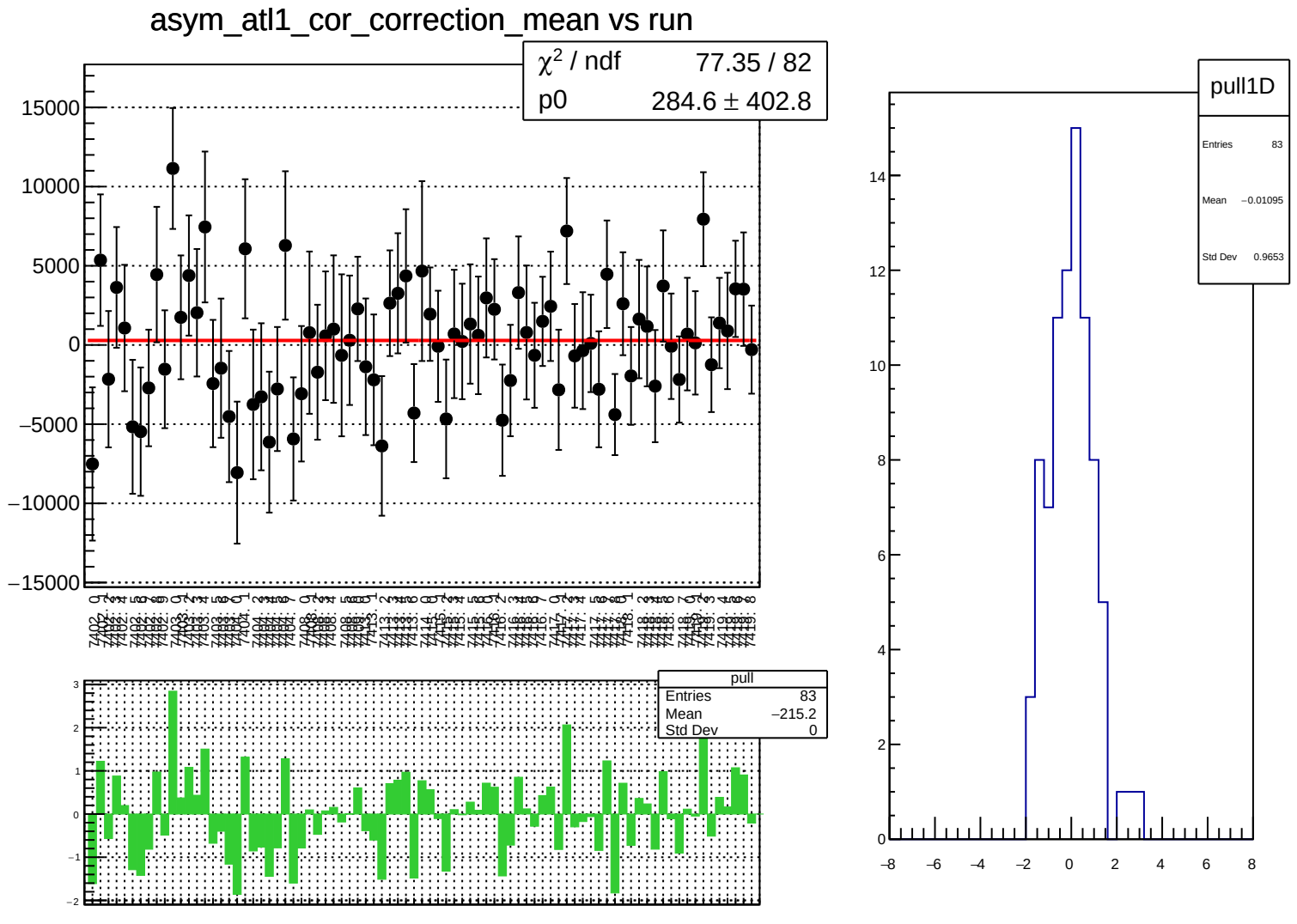

asym_atl1_reg_correction_mean vs run
χ² / ndf 77.39 / 82
p0 284.1 ± 402.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −217
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01087
Std Dev 0.9655
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

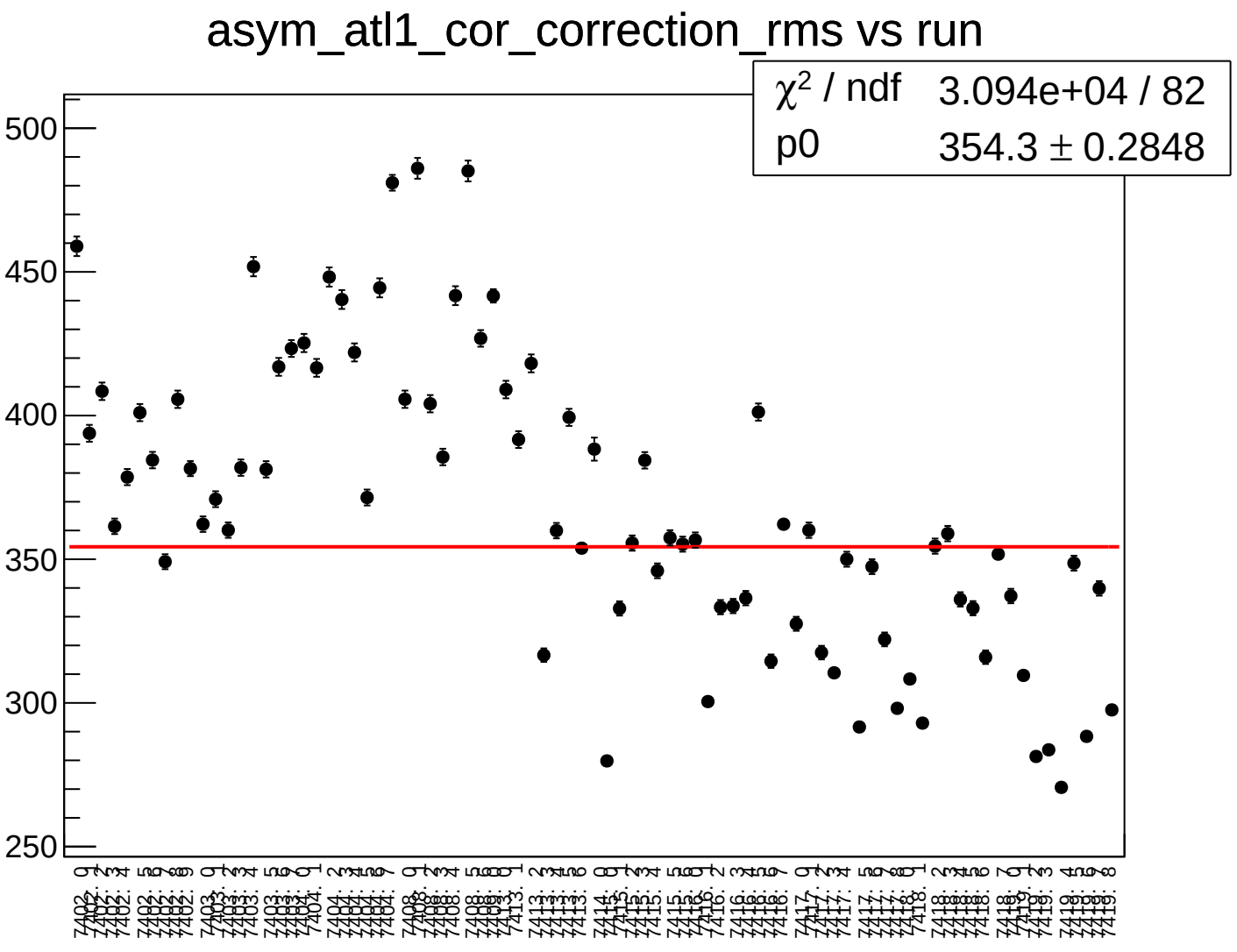

asym_atl1_reg_correction_rms vs run
χ² / ndf 3.088e+04 / 82
p0 354.3 ± 0.2848
500
450
400
350
300
250

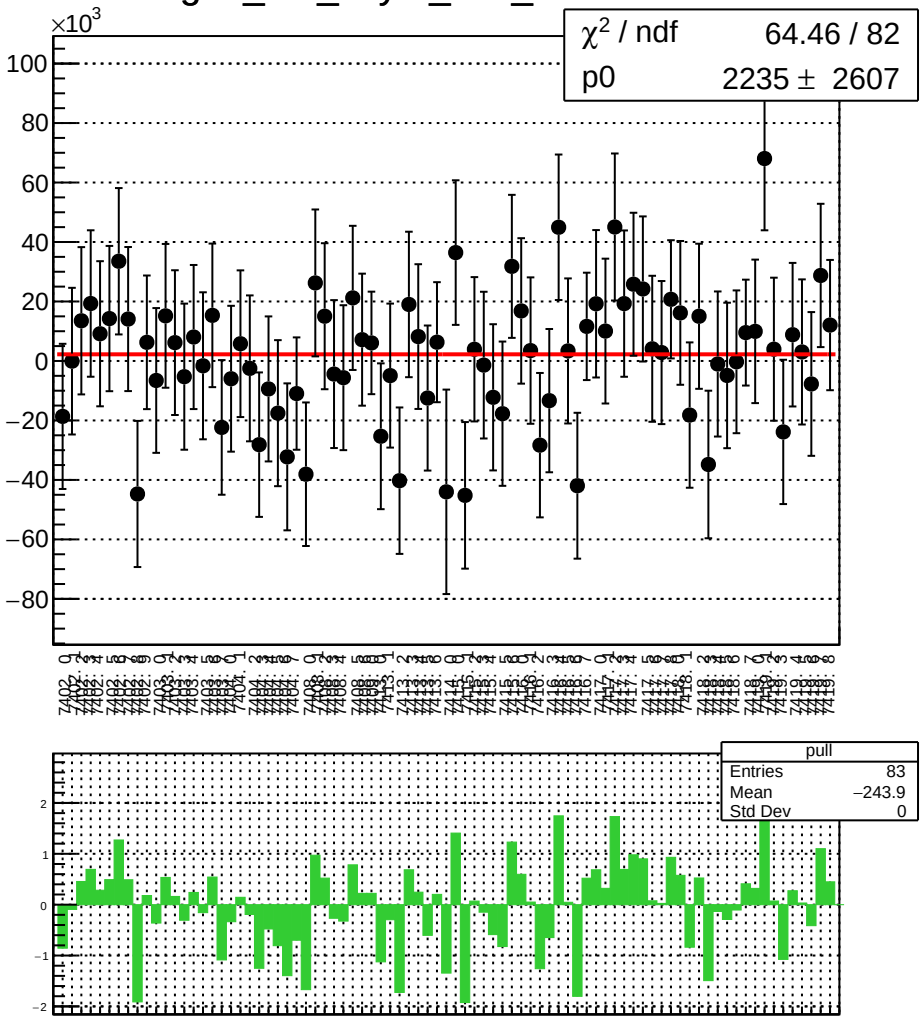

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 64.46 / 82
p0 2235 ± 2607
pull
Entries 83
Mean −243.9
Std Dev 0

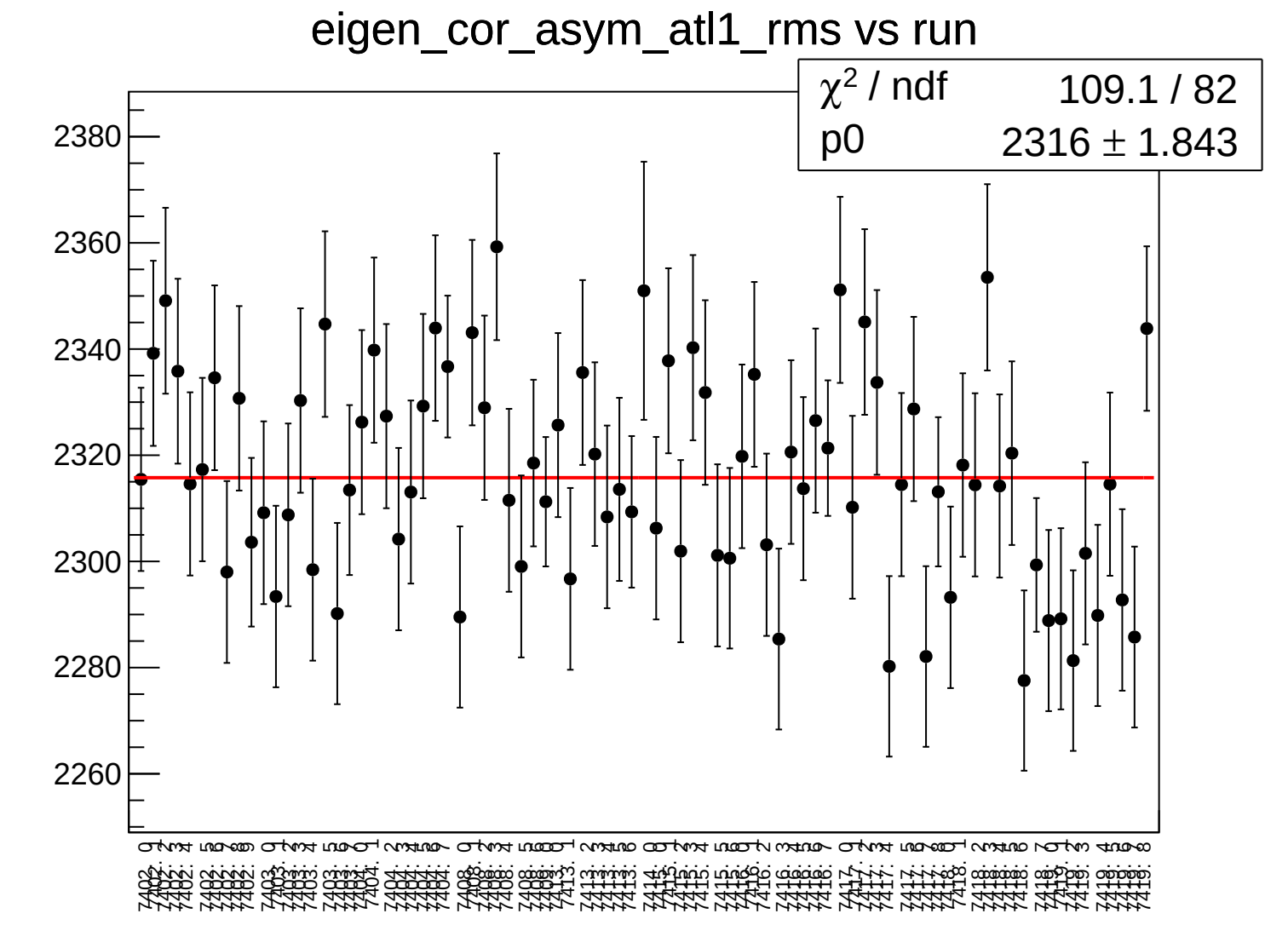

pull1D
Entries 83
Mean −0.01173
Std Dev 0.8812

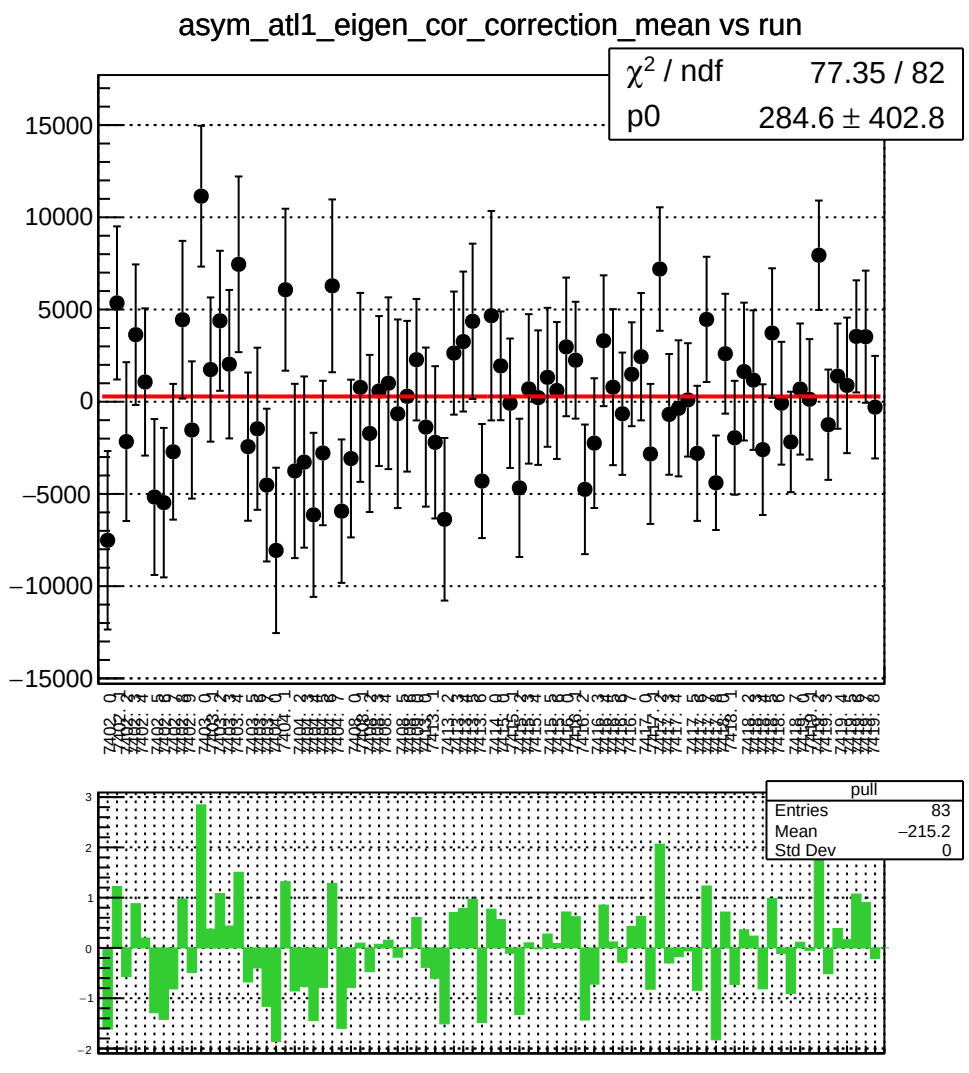

cor_asym_atl1_rms vs run
χ² / ndf 109.1 / 82
p0 2316 ± 1.843
2380
2360
2340
2320
2300
2280
2260

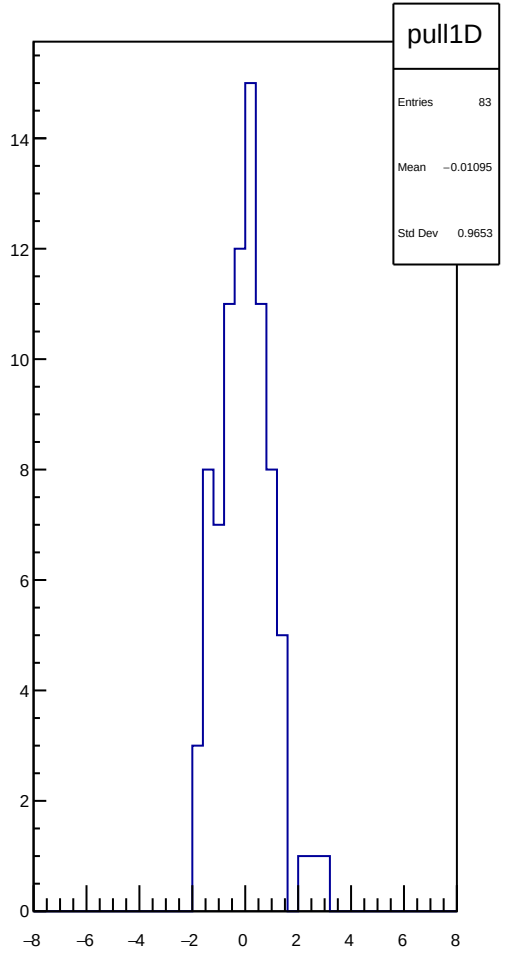

asym_atl1_cor_correction_mean vs run
χ² / ndf 77.35 / 82
p0 284.6 ± 402.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −215.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01095
Std Dev 0.9653
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

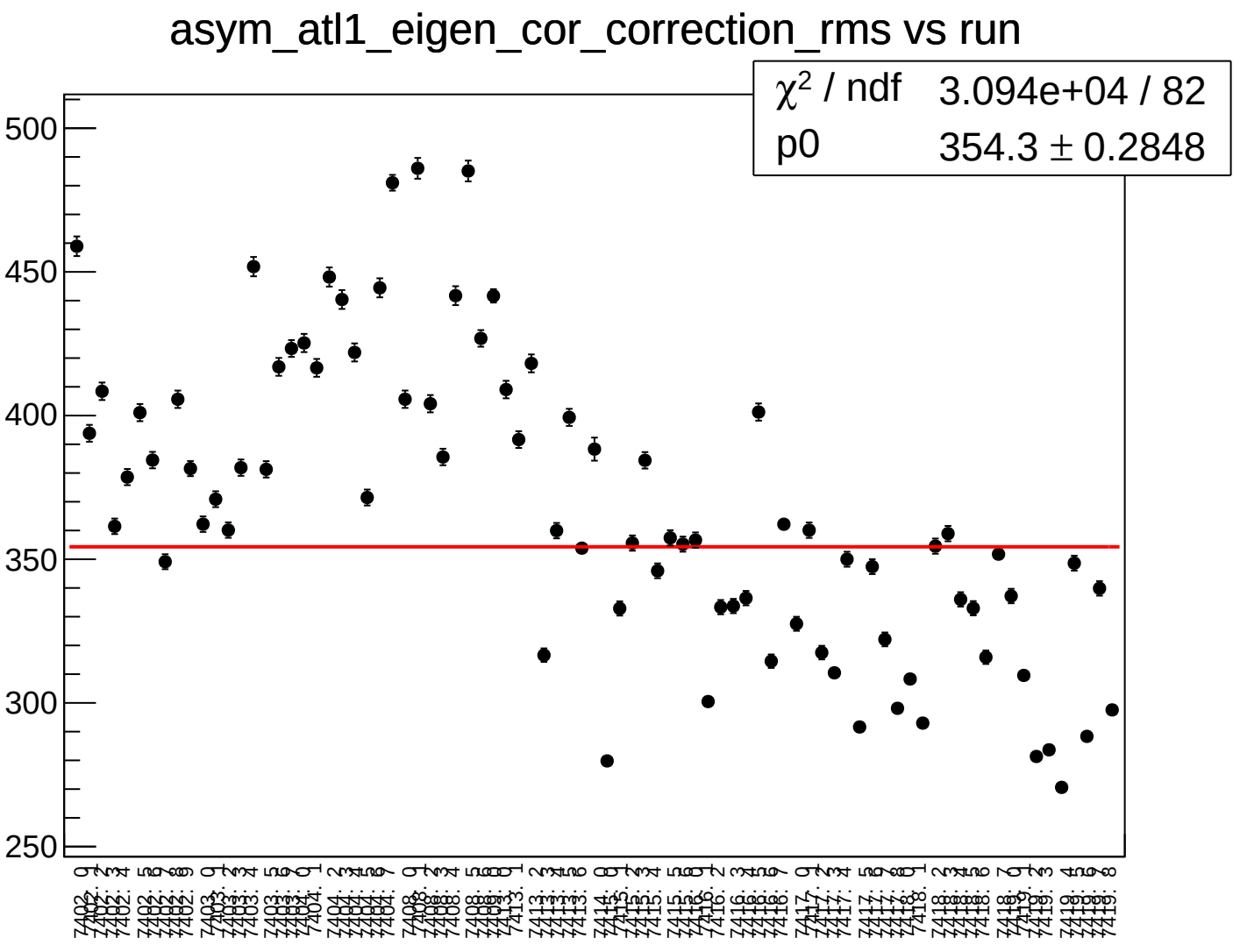

asym_atl1_cor_correction_rms vs run
χ² / ndf 3.094e+04 / 82
p0 354.3 ± 0.2848
500
450
400
350
300
250

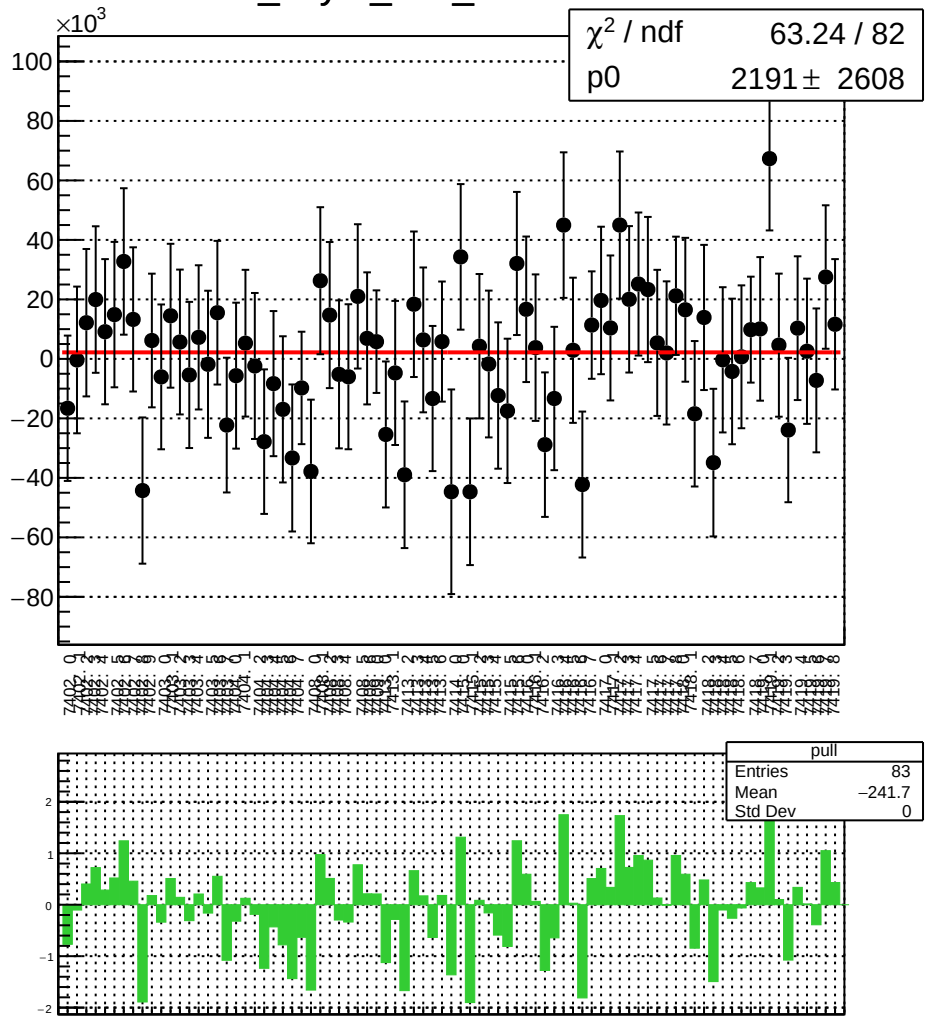

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 64.46 / 82
p0 2235 ± 2607
pull
Entries 83
Mean −243.9
Std Dev 0
pull1D
Entries 83
Mean −0.01173
Std Dev 0.8812

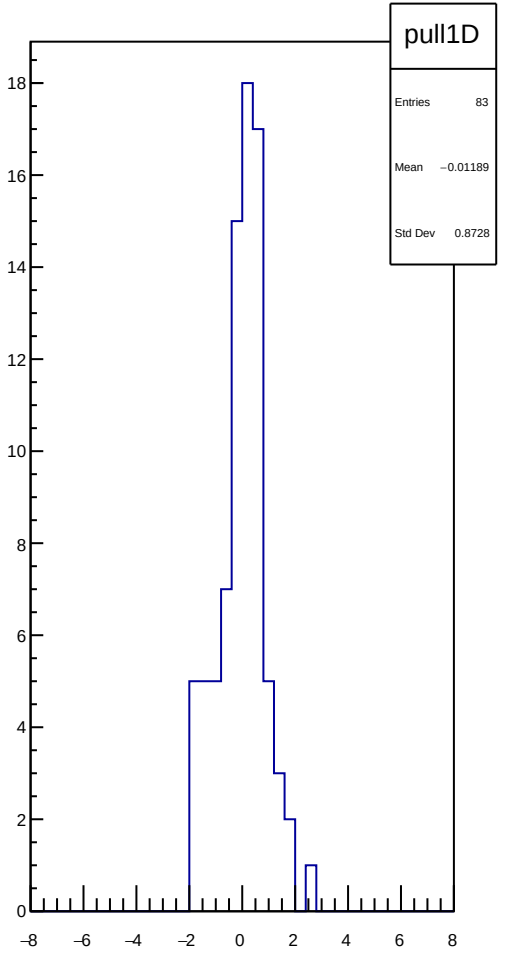

eigen_cor_asym_atl1_rms vs run
χ² / ndf 109.1 / 82
p0 2316 ± 1.843
2380
2360
2340
2320
2300
2280
2260

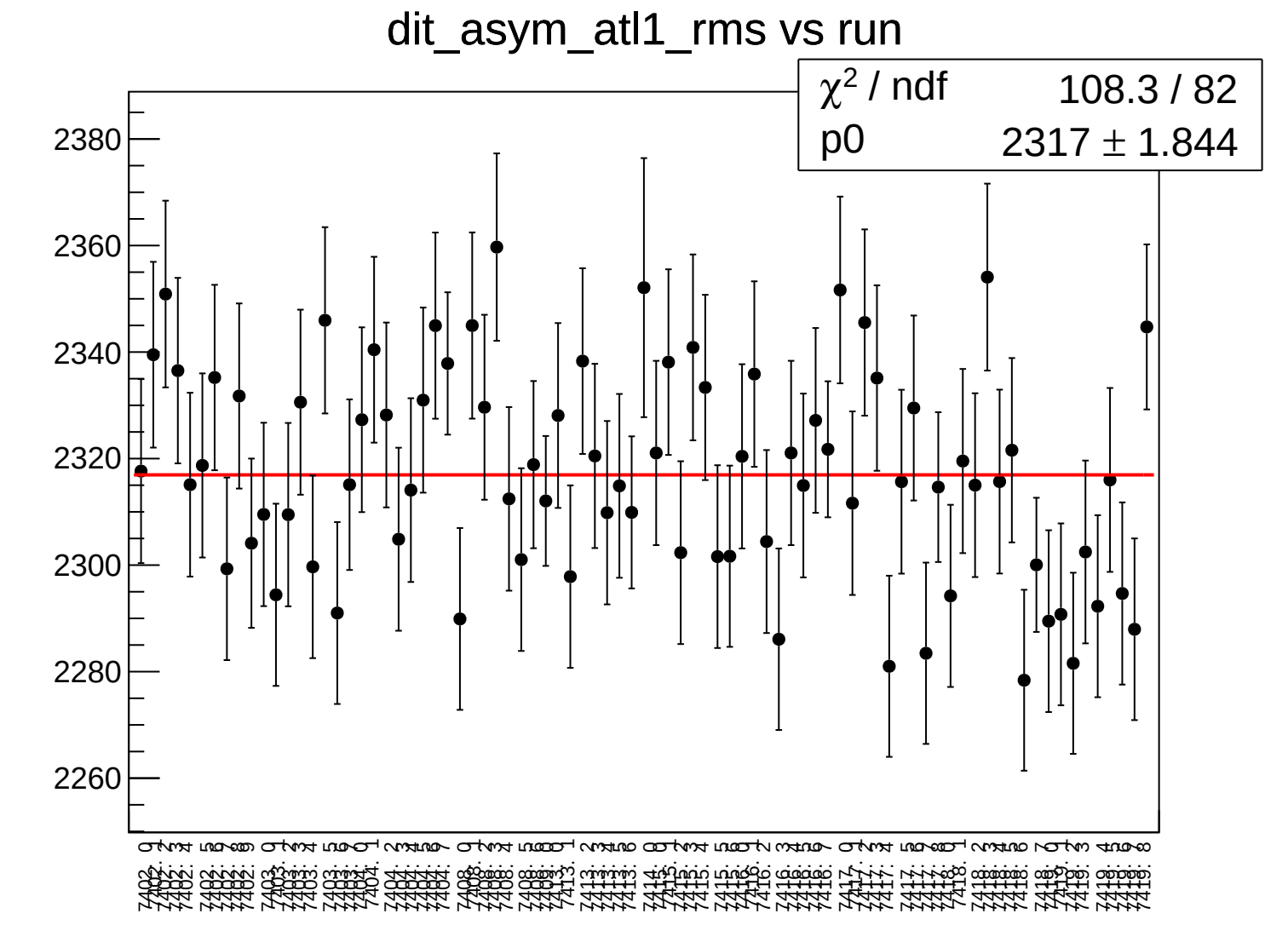

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 77.35 / 82
p0 284.6 ± 402.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −215.2
Std Dev 0
3
2
1
0
−1
−2

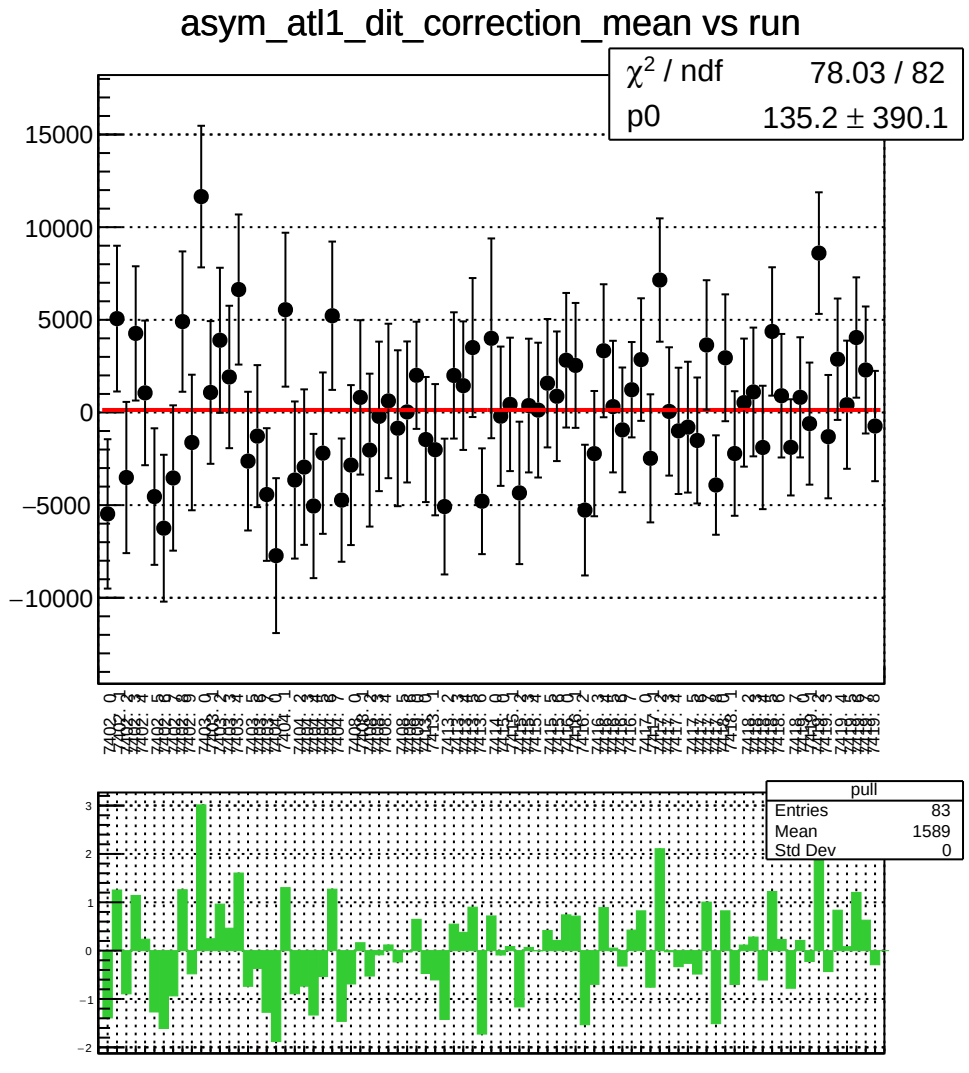

pull1D
Entries 83
Mean −0.01095
Std Dev 0.9653
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

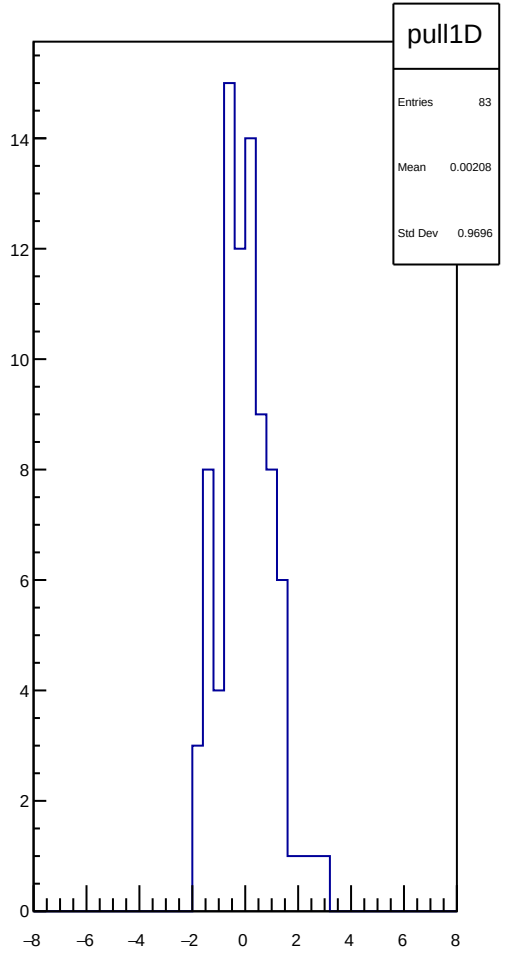

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 3.094e+04 / 82
p0 354.3 ± 0.2848
500
450
400
350
300
250

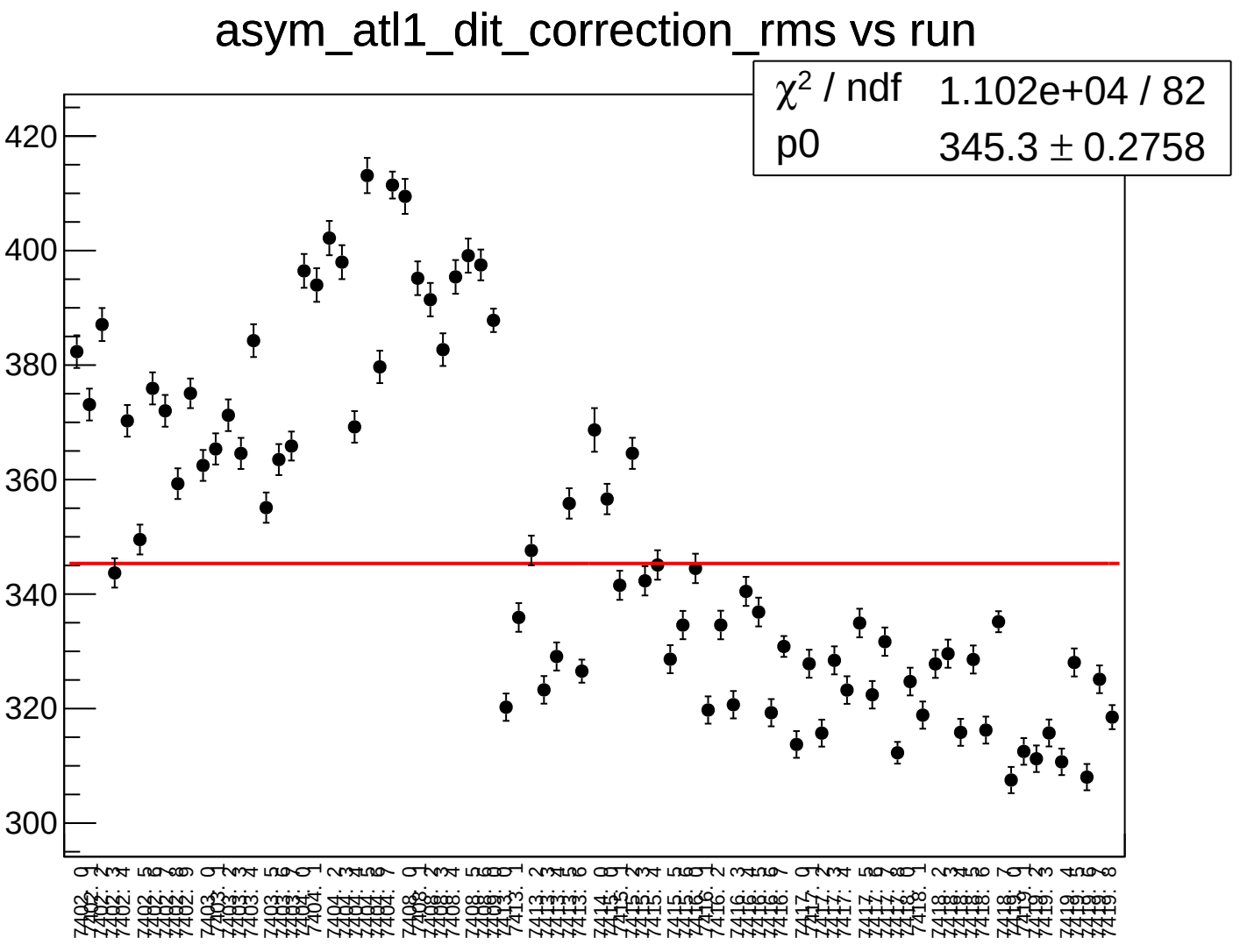

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 63.24 / 82
p0 2191 ± 2608
pull
Entries 83
Mean −241.7
Std Dev 0

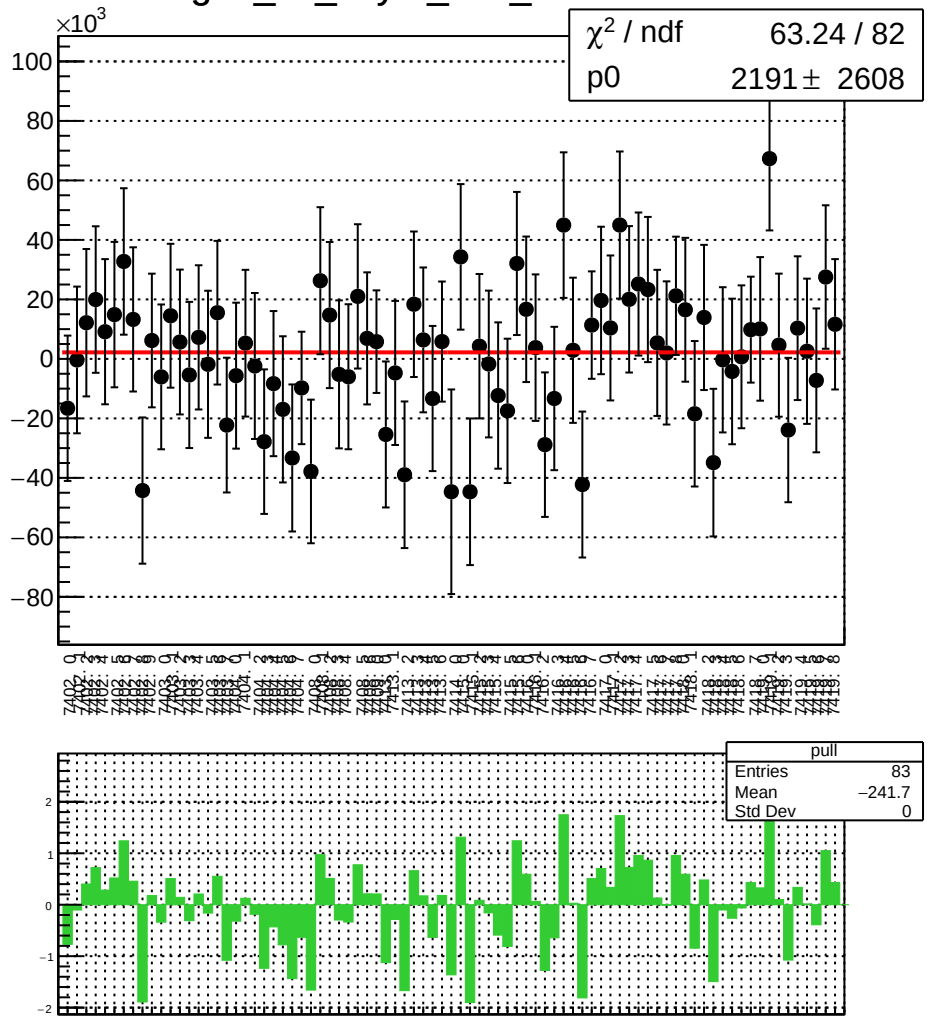

pull1D
Entries 83
Mean −0.01189
Std Dev 0.8728

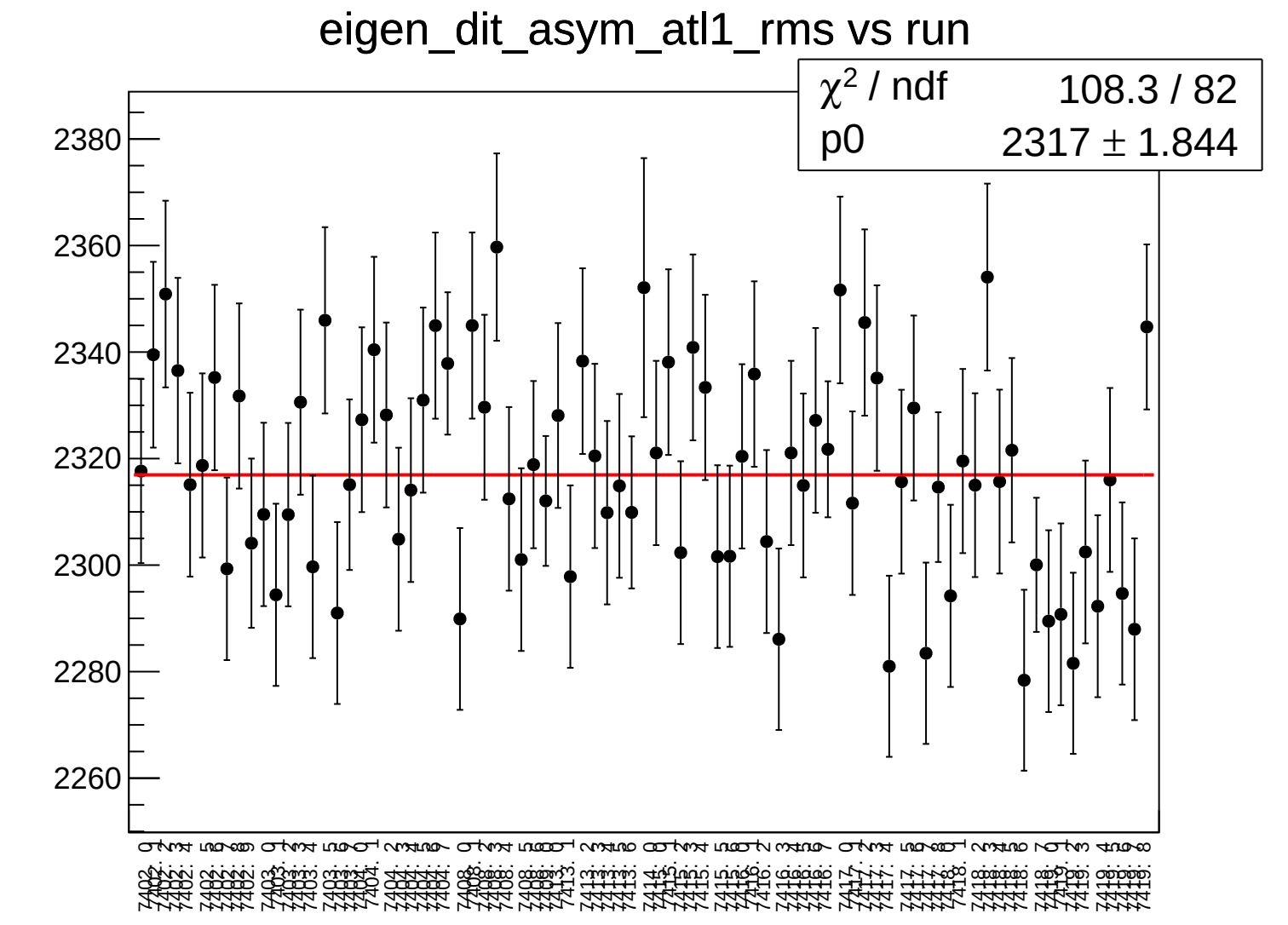

dit_asym_atl1_rms vs run
χ^2 / ndf 108.3 / 82
p0 2317 ± 1.844
2380
2360
2340
2320
2300
2280
2260

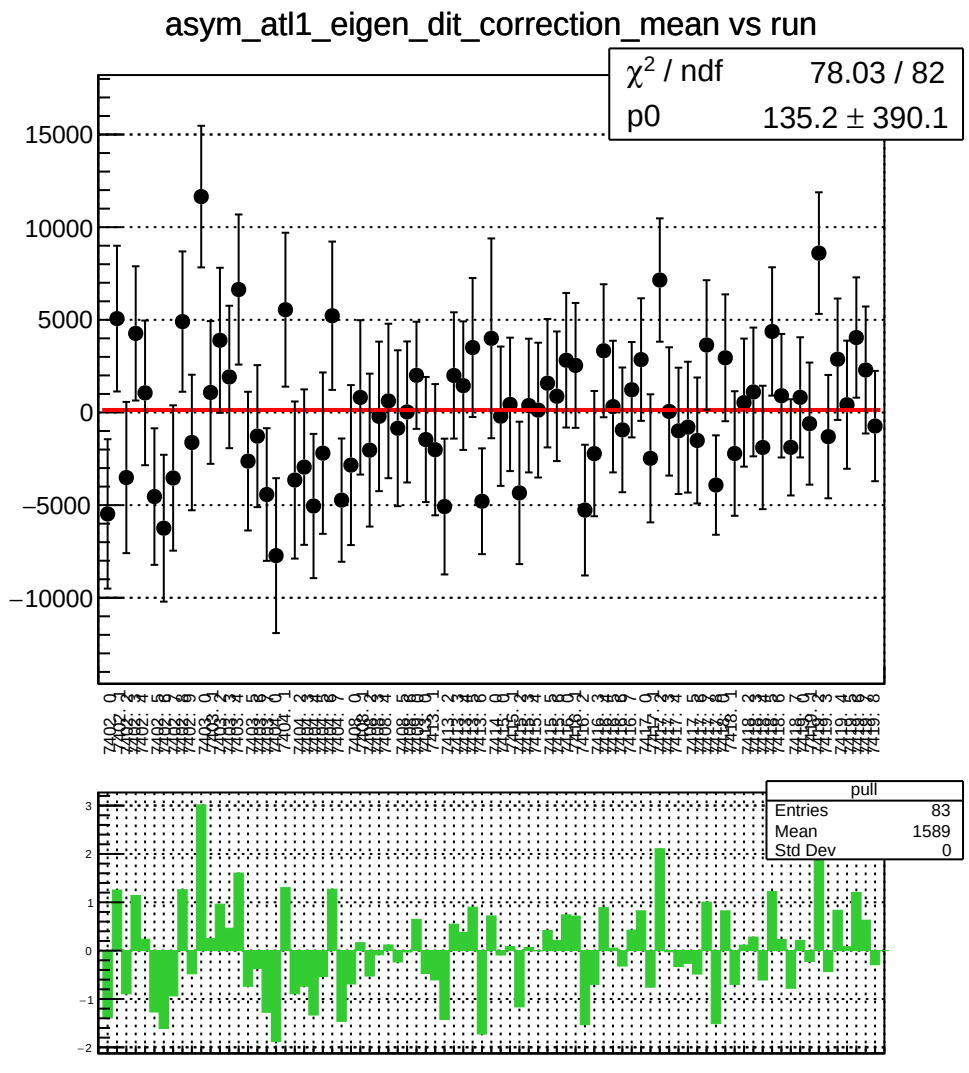

asym_atl1_dit_correction_mean vs run
χ² / ndf 78.03 / 82
p0 135.2 ± 390.1
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 1589
Std Dev 0
3
2
1
0
−1
−2

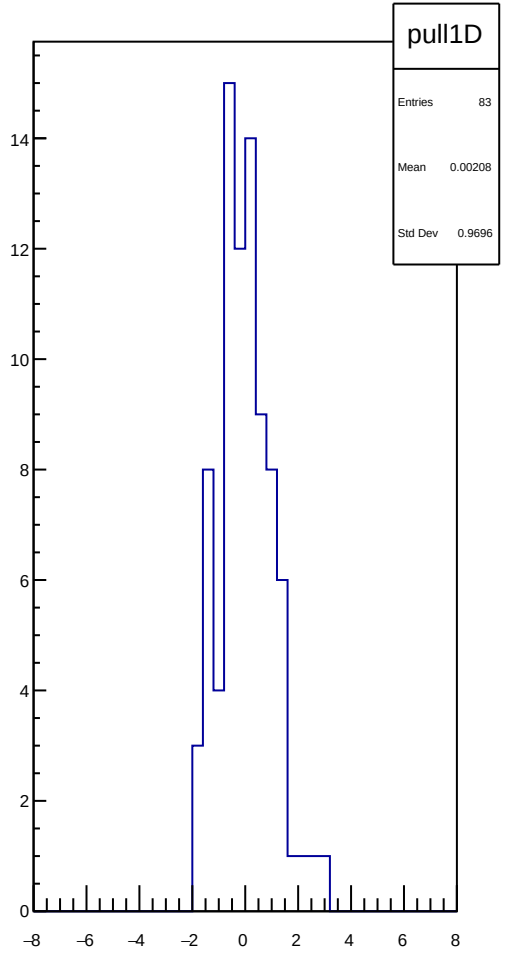

pull1D
Entries 83
Mean 0.00208
Std Dev 0.9696
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

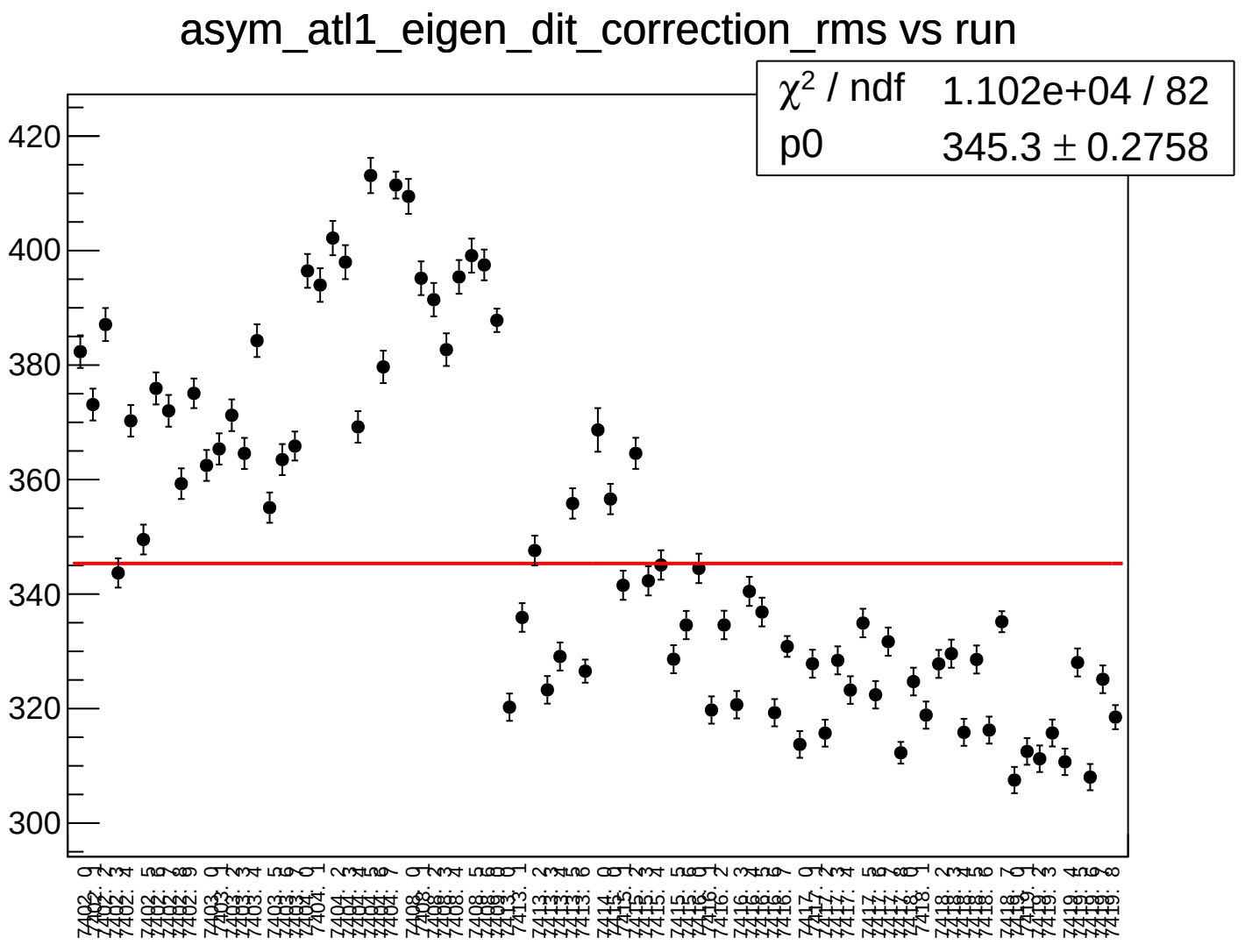

asym_atl1_dit_correction_rms vs run
χ² / ndf 1.102e+04 / 82
p0 345.3 ± 0.2758
420
400
380
360
340
320
300

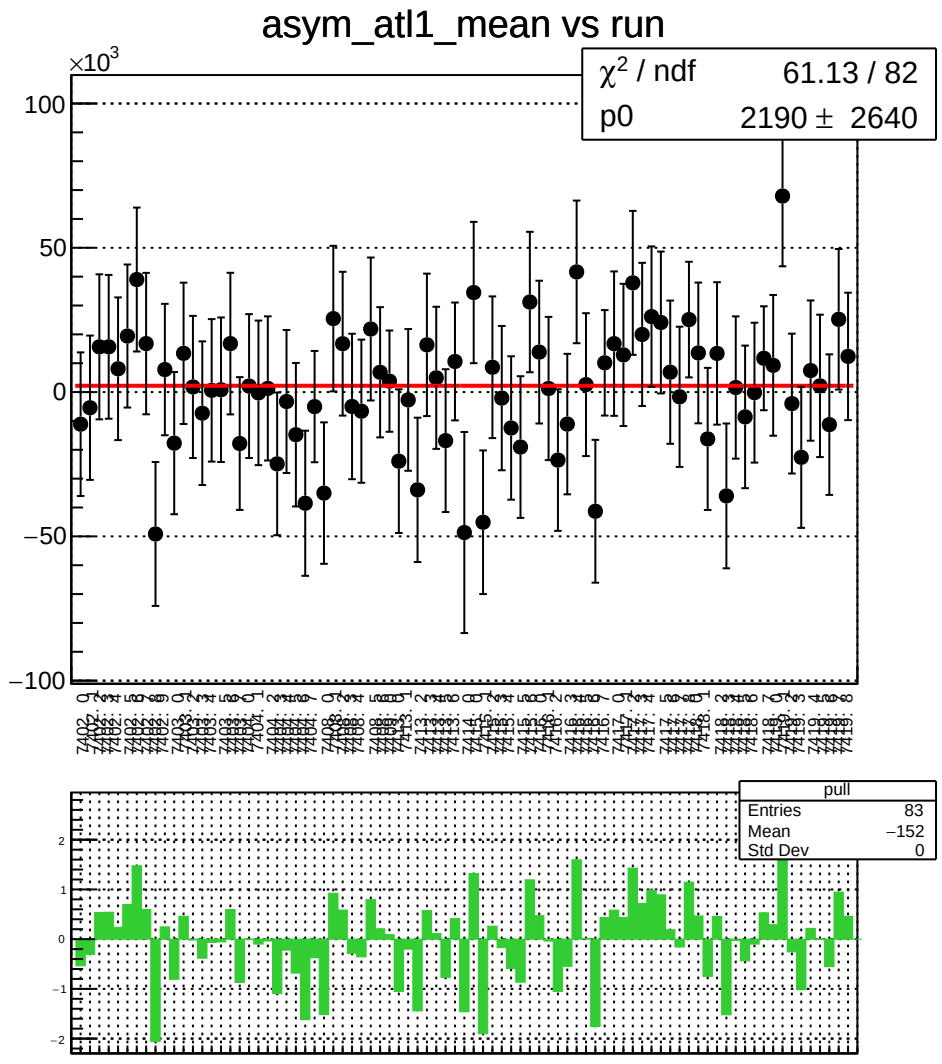

eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 63.24 / 82
p0 2191 ± 2608
pull
Entries 83
Mean −241.7
Std Dev 0
pull1D
Entries 83
Mean −0.01189
Std Dev 0.8728

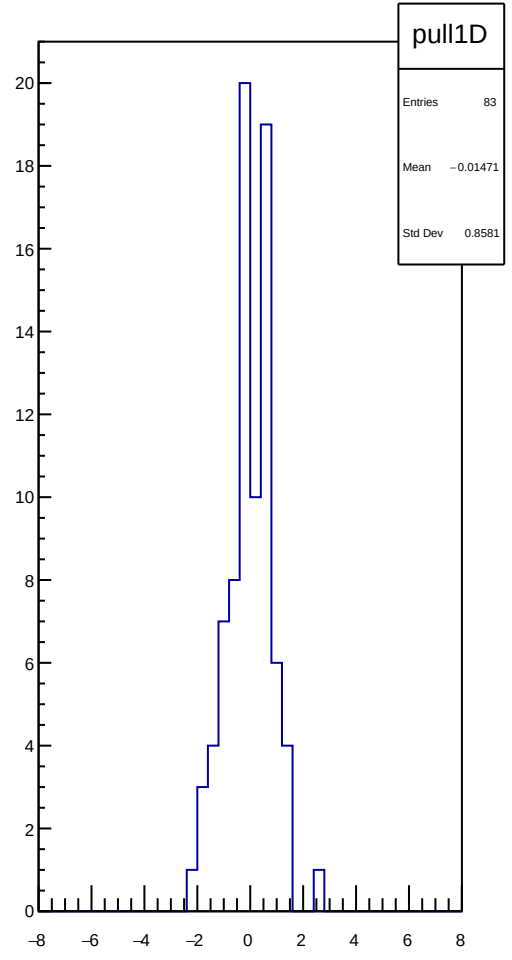

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 108.3 / 82
p0 2317 ± 1.844
2380
2360
2340
2320
2300
2280
2260

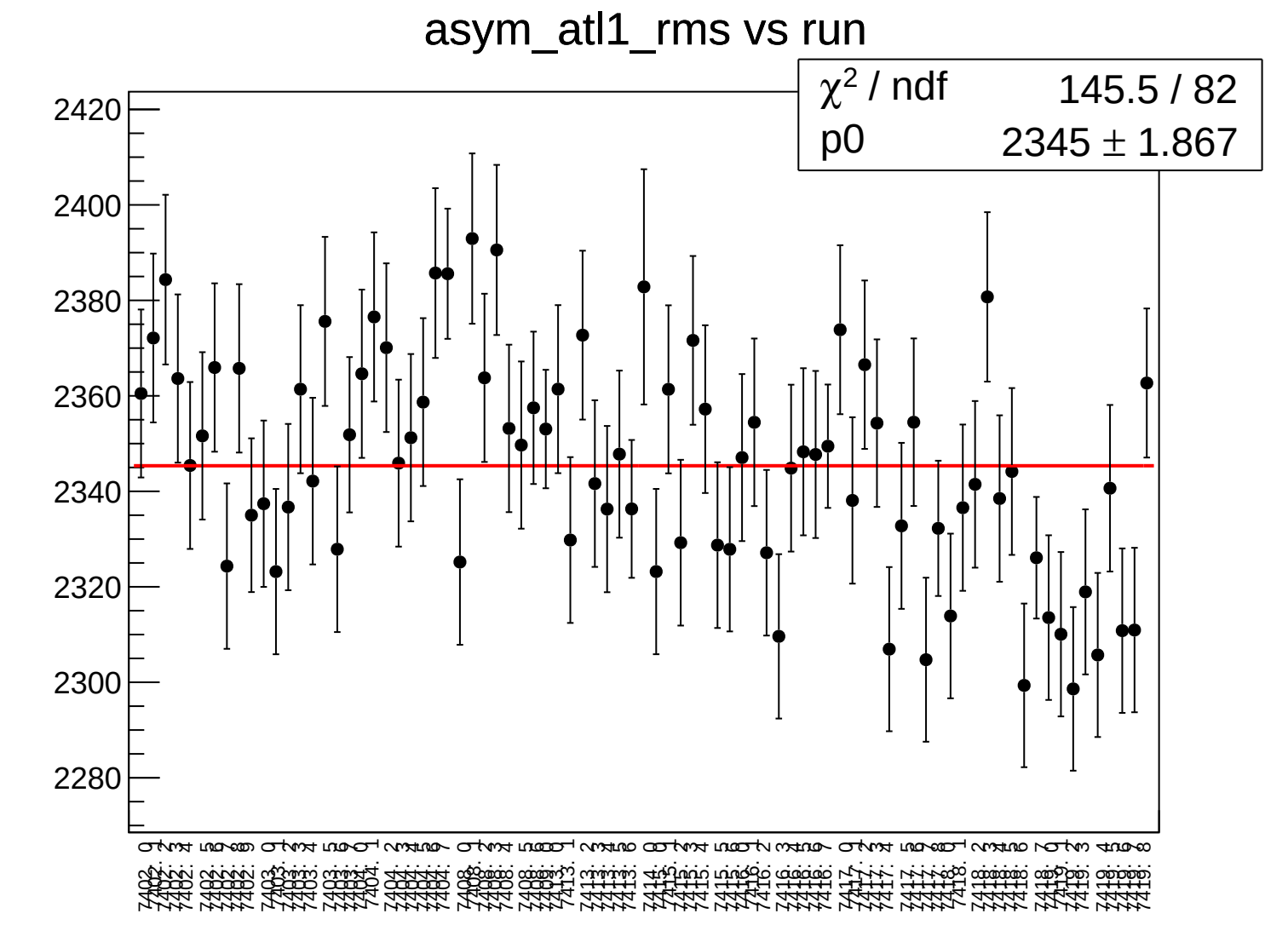

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 78.03 / 82
p0 135.2 ± 390.1
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 1589
Std Dev 0
3
2
1
0
−1
−2

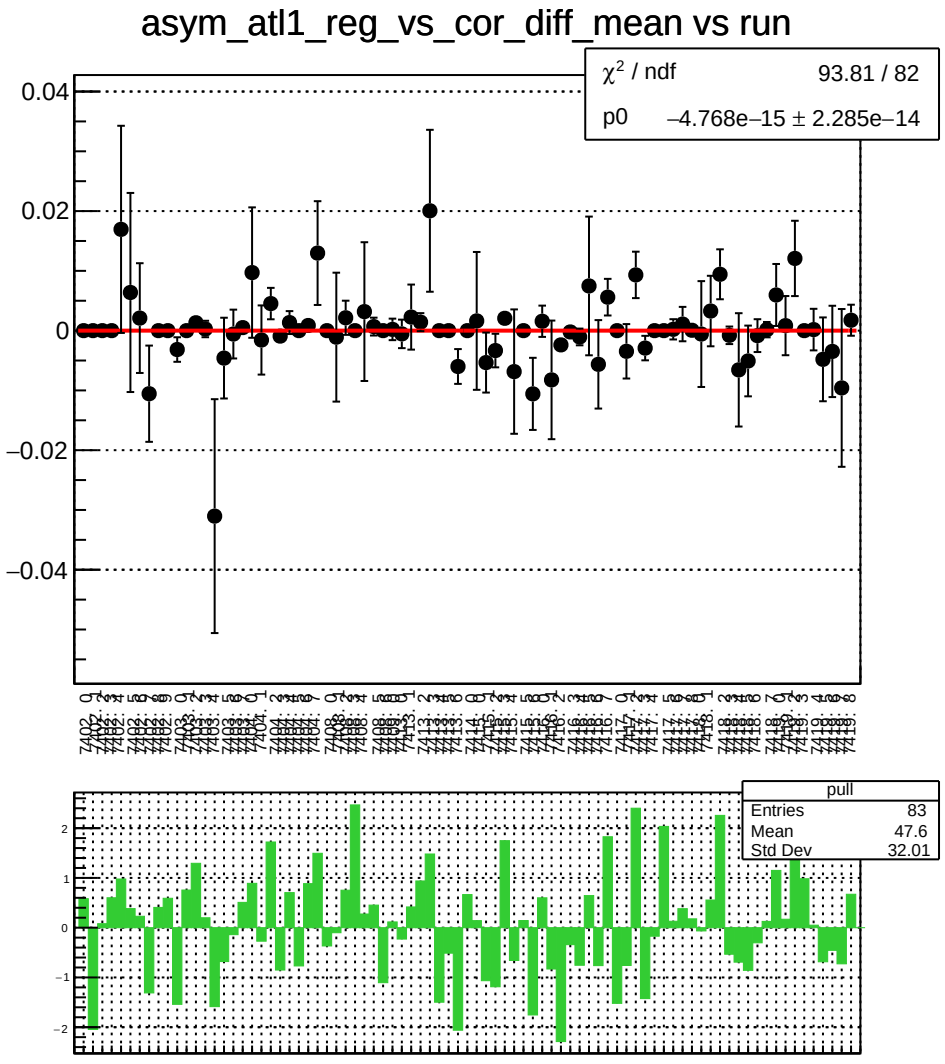

pull1D
Entries 83
Mean 0.00208
Std Dev 0.9696
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

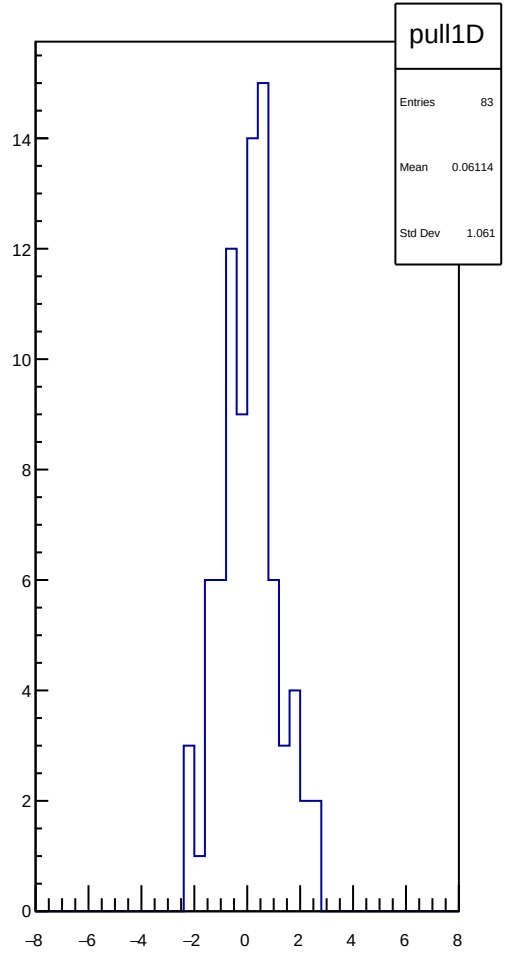

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1.102e+04 / 82
p0 345.3 ± 0.2758
420
400
380
360
340
320
300

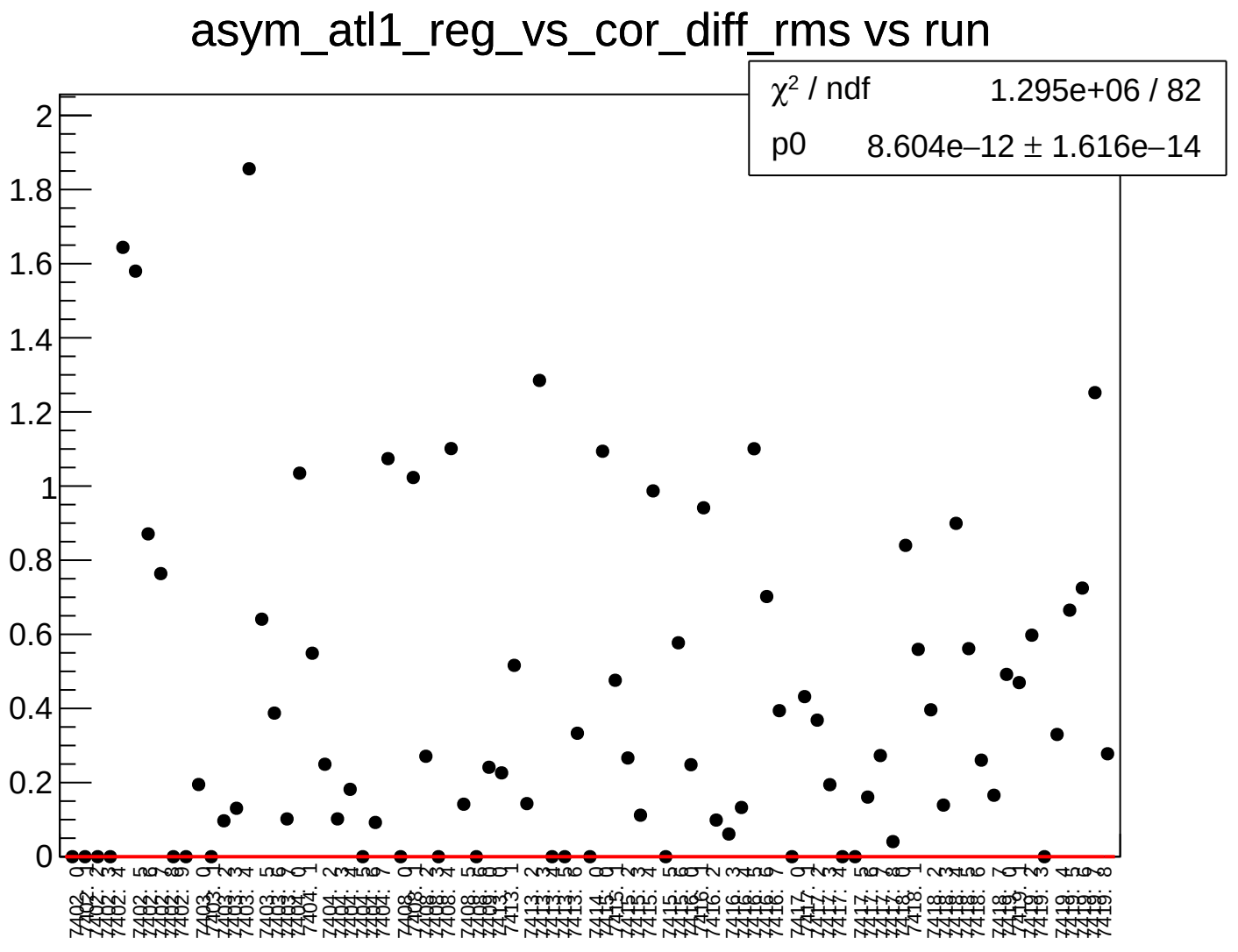

asym_atl1_mean vs run
×10^3
χ² / ndf 61.13 / 82
p0 2190 ± 2640
100
50
0
−50
−100
pull
Entries 83
Mean −152
Std Dev 0
2
1
0
−1
−2

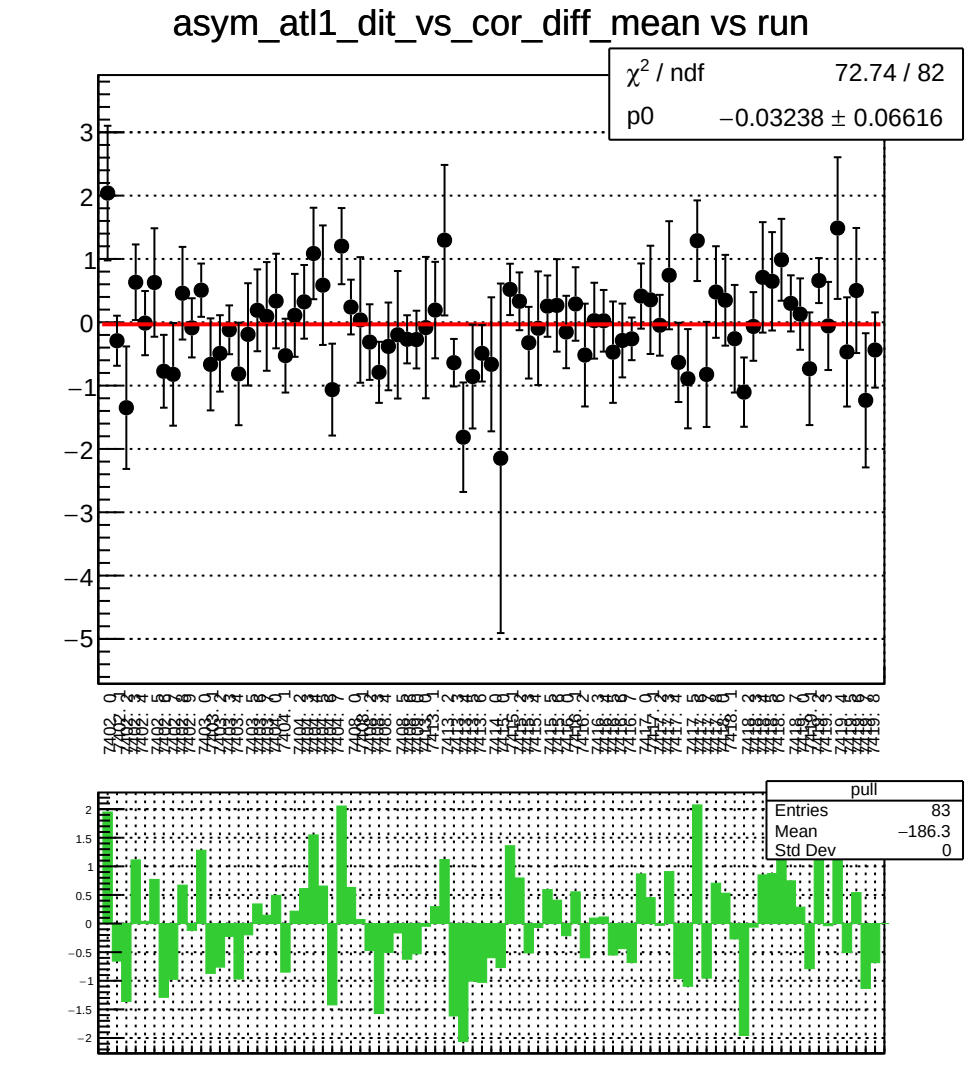

pull1D
Entries 83
Mean −0.01471
Std Dev 0.8581
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

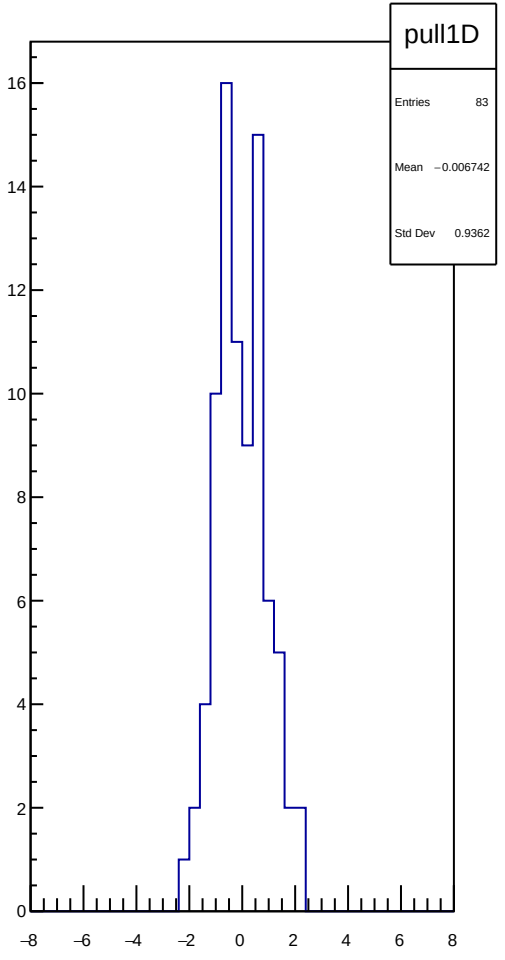

asym_atl1_rms vs run
χ^2 / ndf 145.5 / 82
p0 2345 ± 1.867
2420
2400
2380
2360
2340
2320
2300
2280

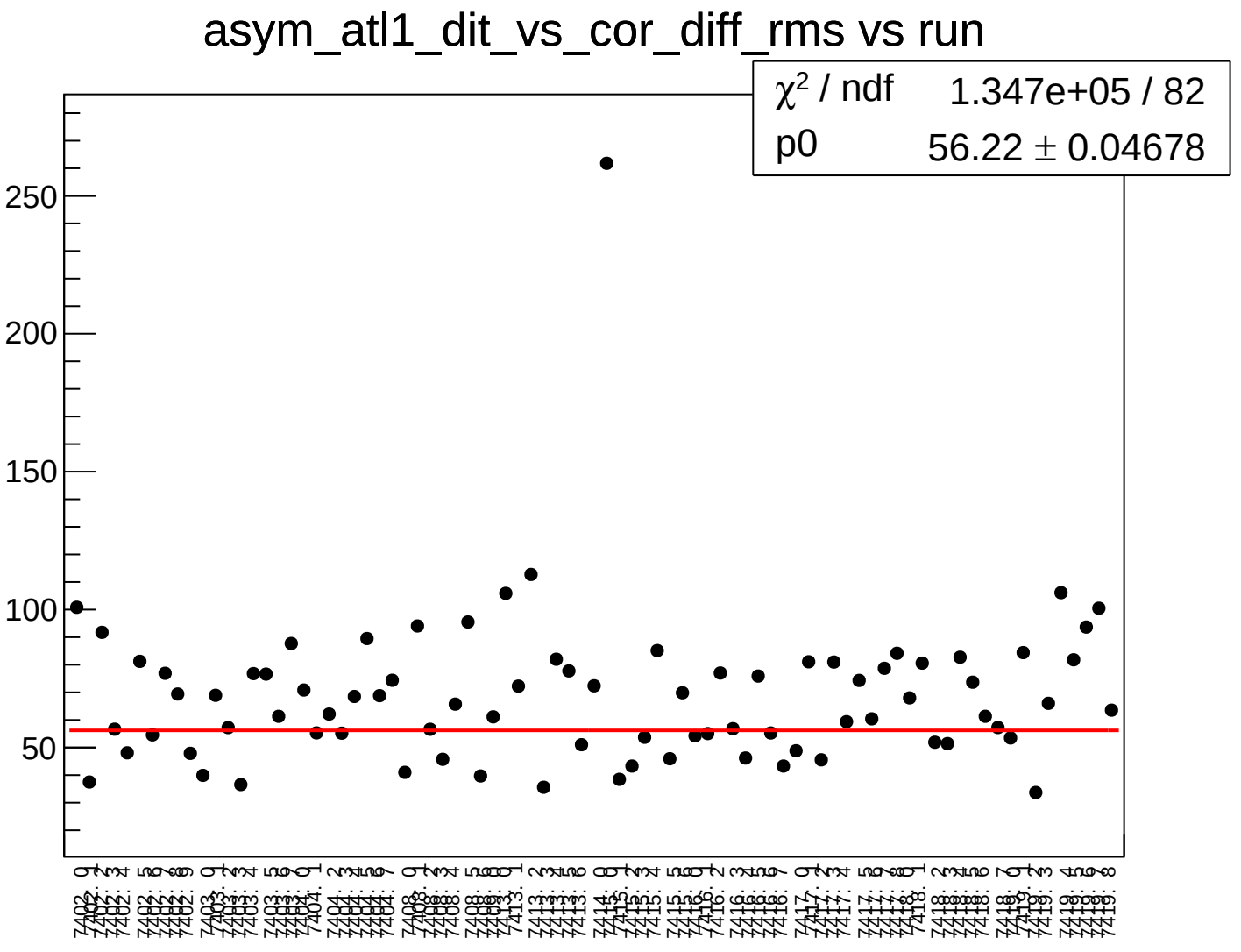

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 93.81 / 82
p0 −4.768e−15 ± 2.285e−14
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean 47.6
Std Dev 32.01
2
1
0
−1
−2

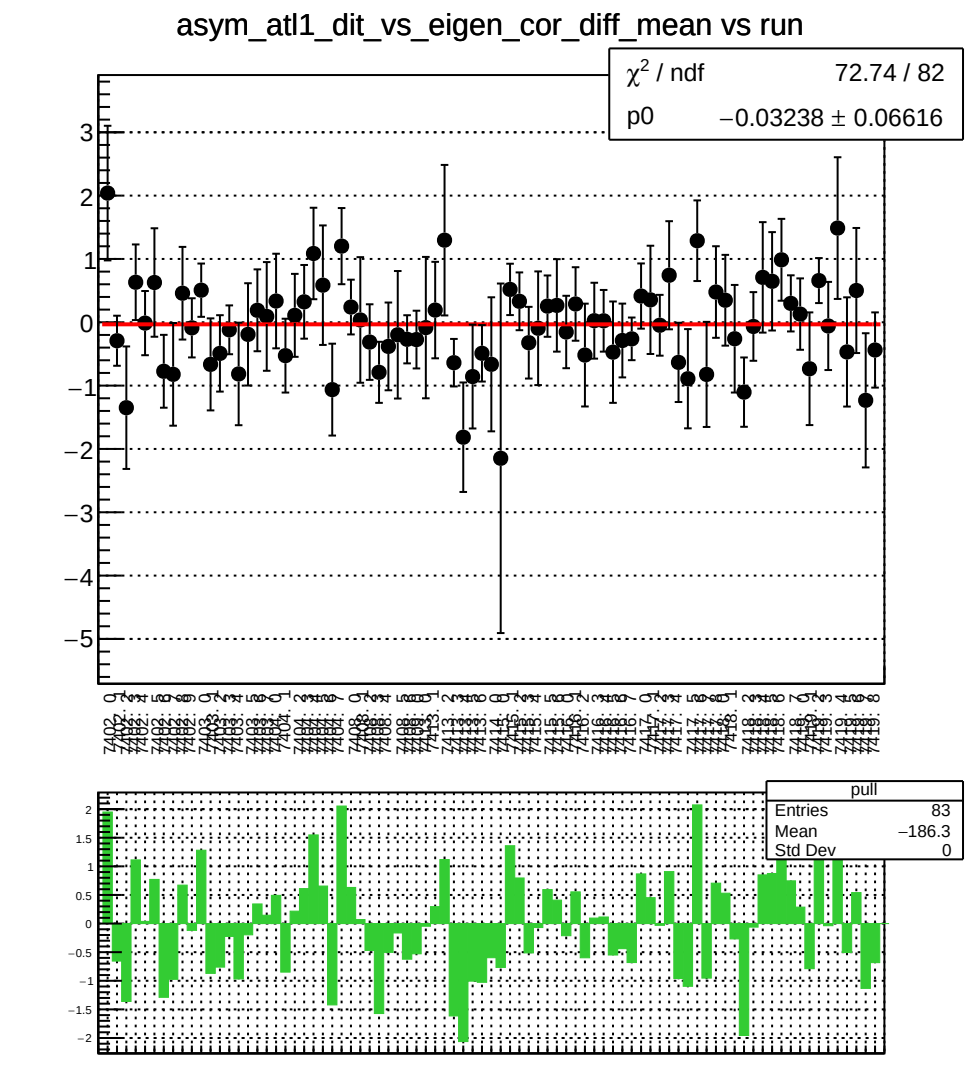

pull1D
Entries 83
Mean 0.06114
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

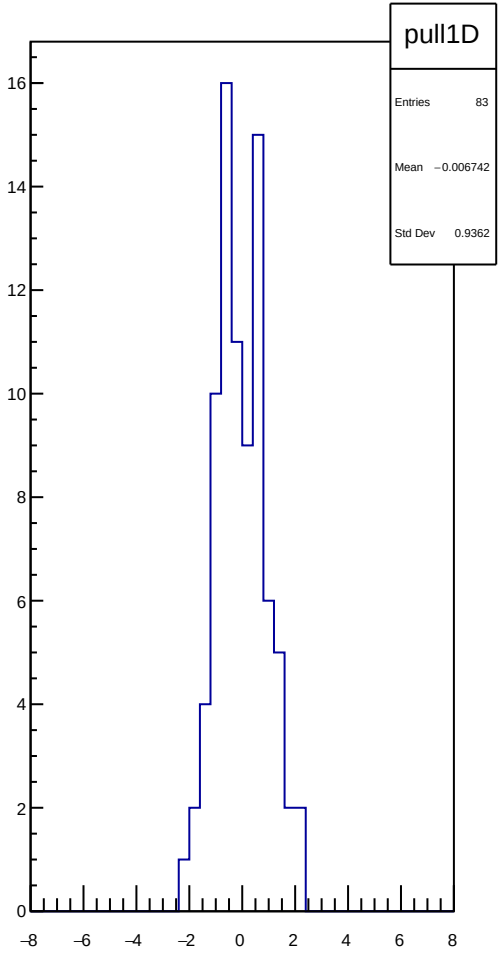

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 1.295e+06 / 82
p0 8.604e−12 ± 1.616e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

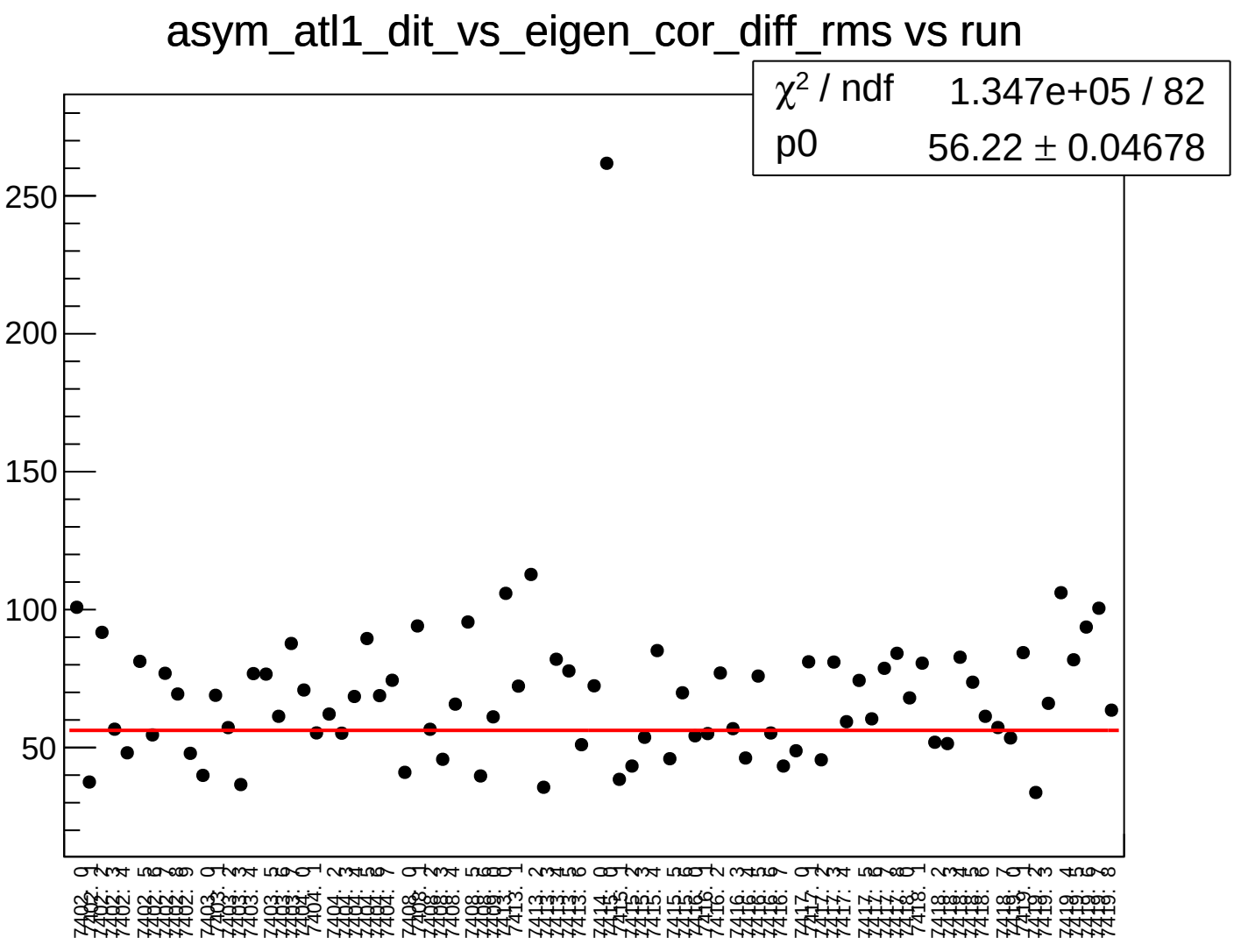

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 72.74 / 82
p0 −0.03238 ± 0.06616
pull
Entries 83
Mean −186.3
Std Dev 0

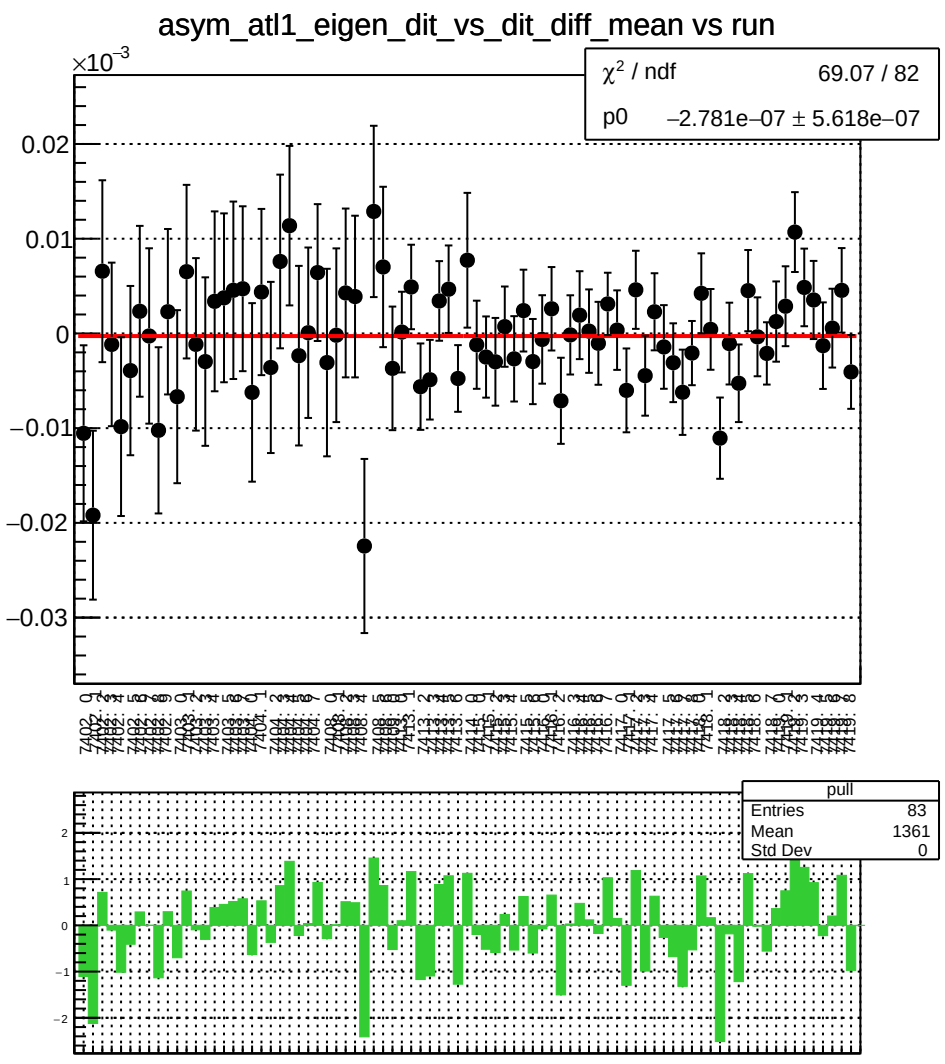

pull1D
Entries 83
Mean −0.006742
Std Dev 0.9362

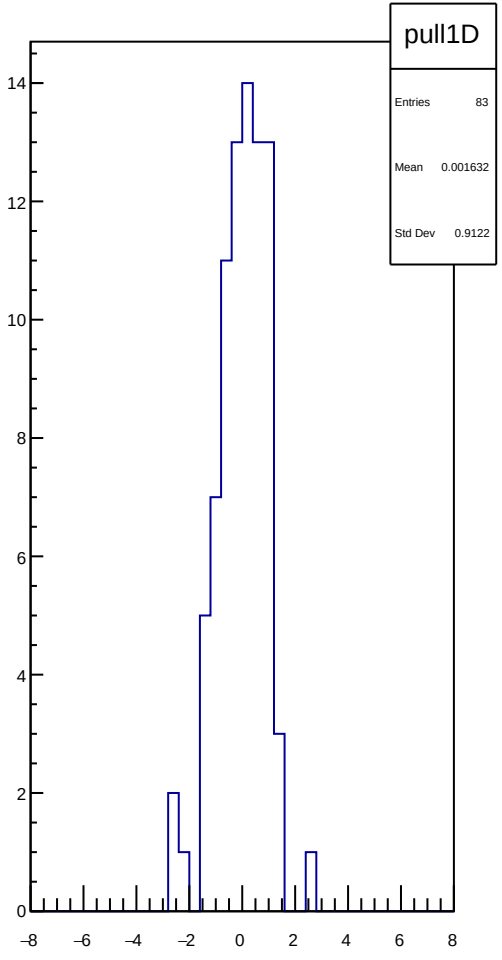

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.347e+05 / 82
p0 56.22 ± 0.04678
250
200
150
100
50

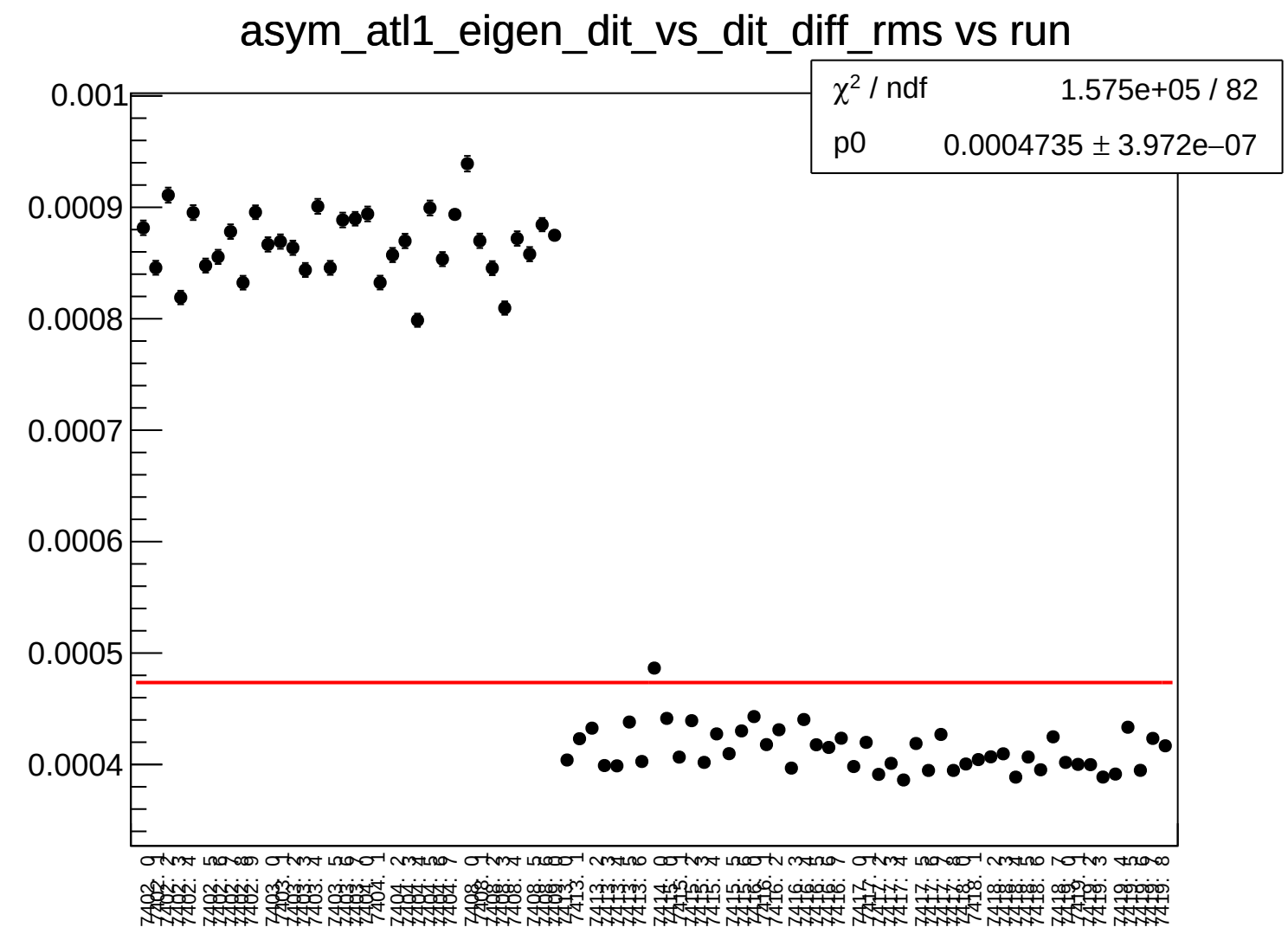

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.74 / 82
p0 −0.03238 ± 0.06616
pull
Entries 83
Mean −186.3
Std Dev 0

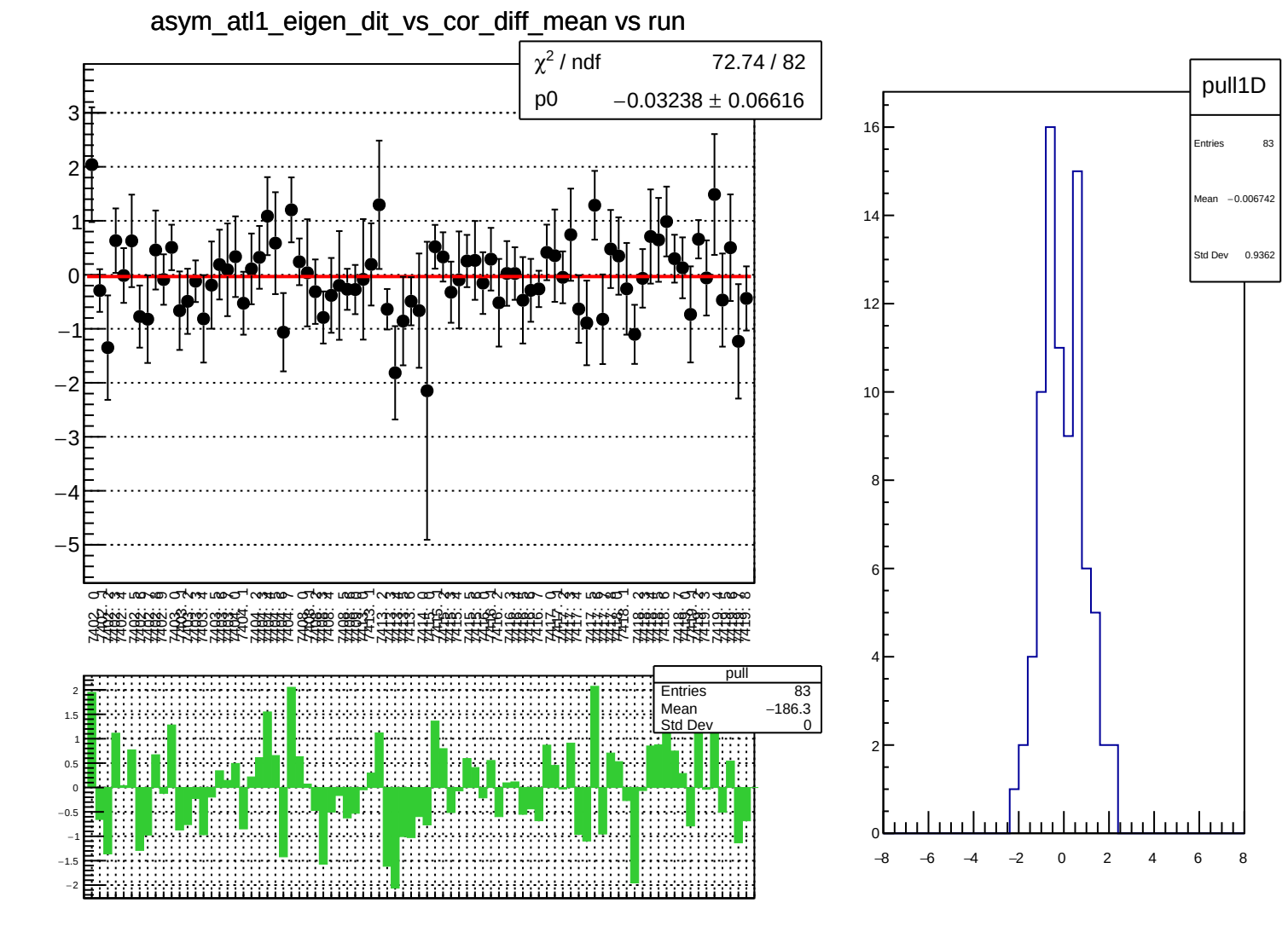

pull1D
Entries 83
Mean −0.006742
Std Dev 0.9362

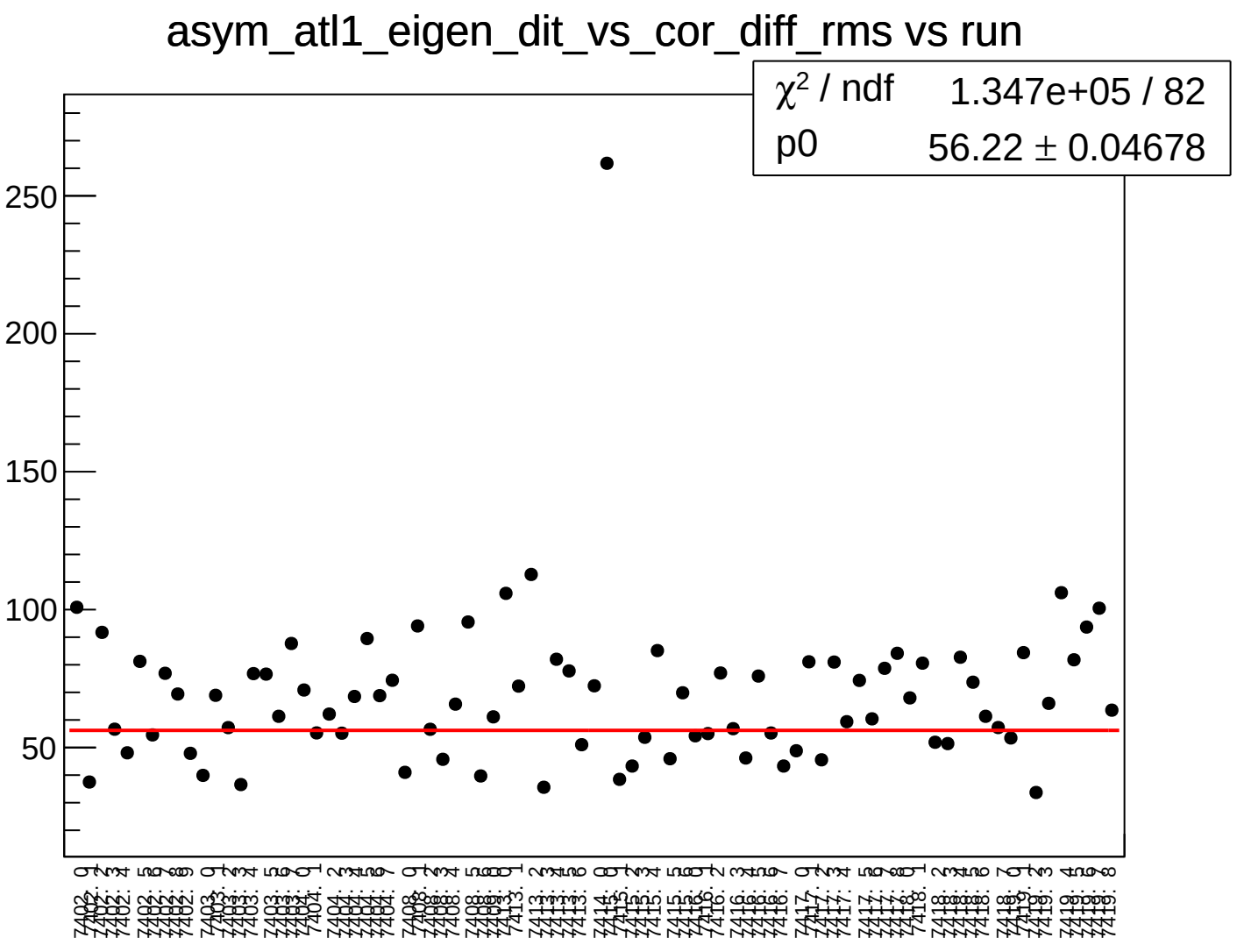

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.347e+05 / 82
p0 56.22 ± 0.04678
250
200
150
100
50

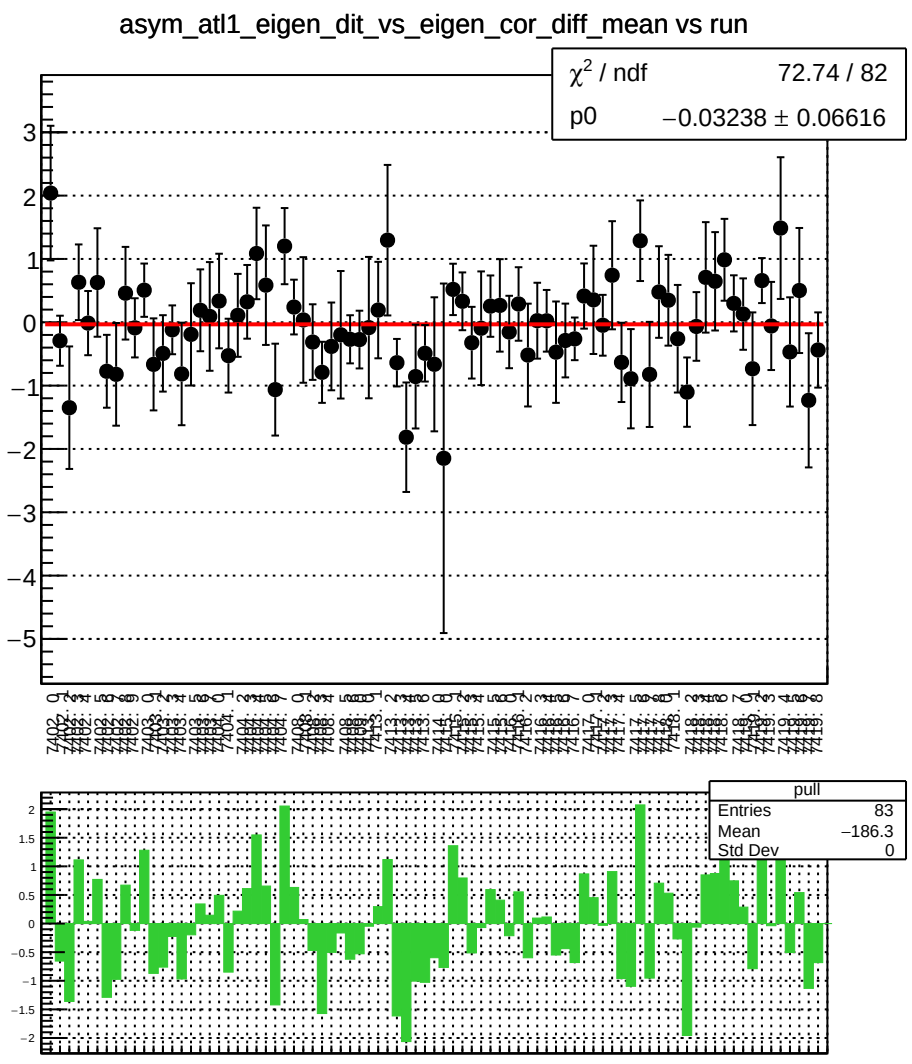

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.07 / 82
p0 −2.781e−07 ± 5.618e−07
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean 1361
Std Dev 0
2
1
0
−1
−2

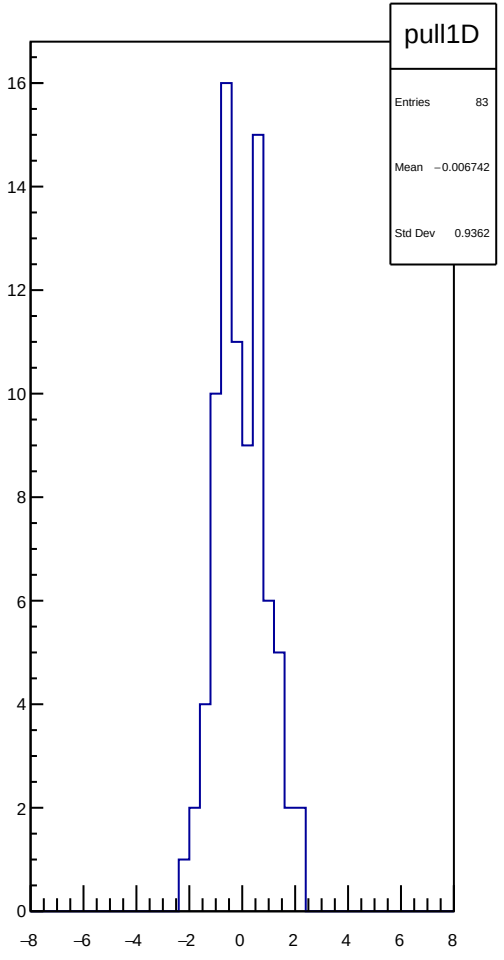

pull1D
Entries 83
Mean 0.001632
Std Dev 0.9122
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

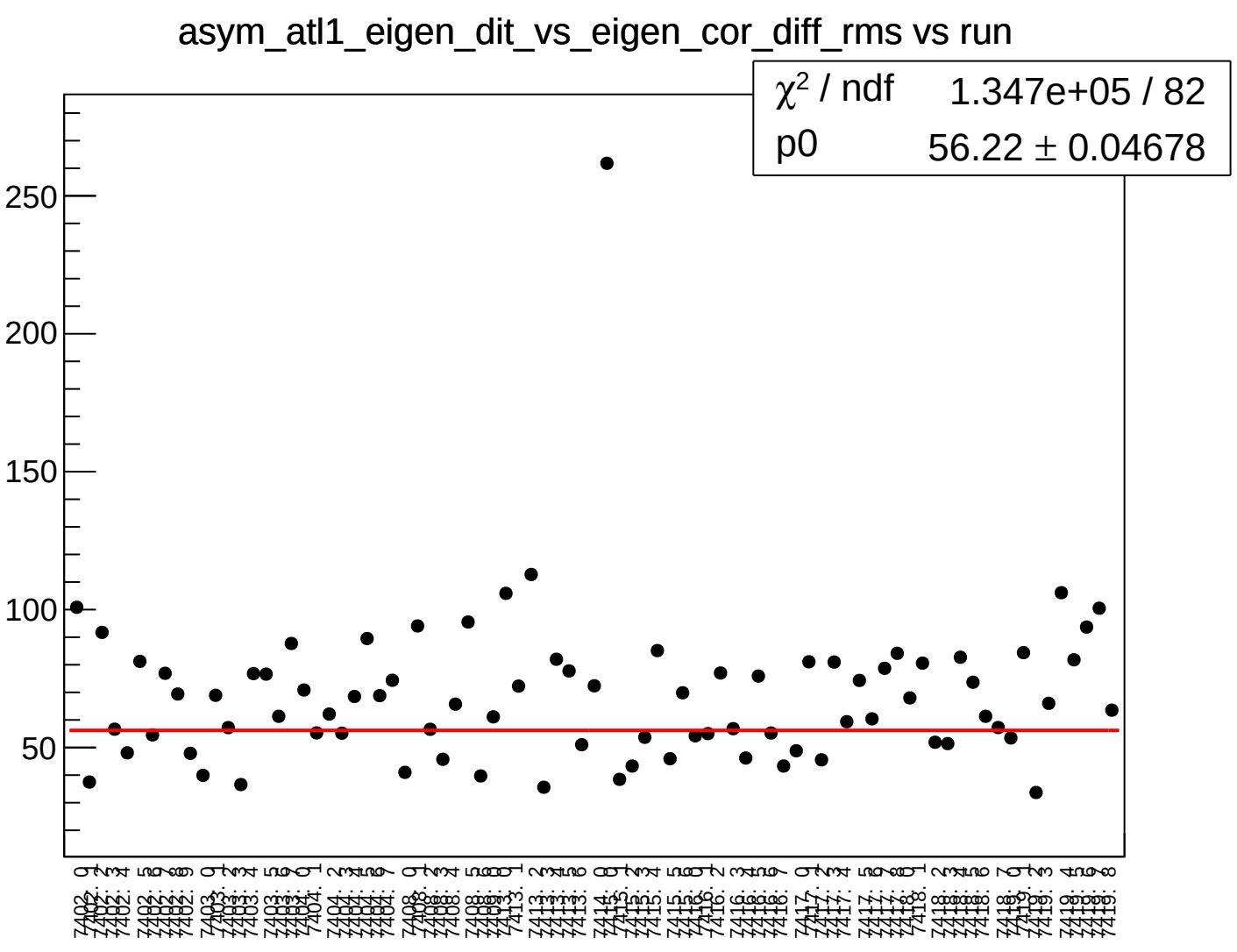

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.575e+05 / 82
p0 0.0004735 ± 3.972e−07
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004

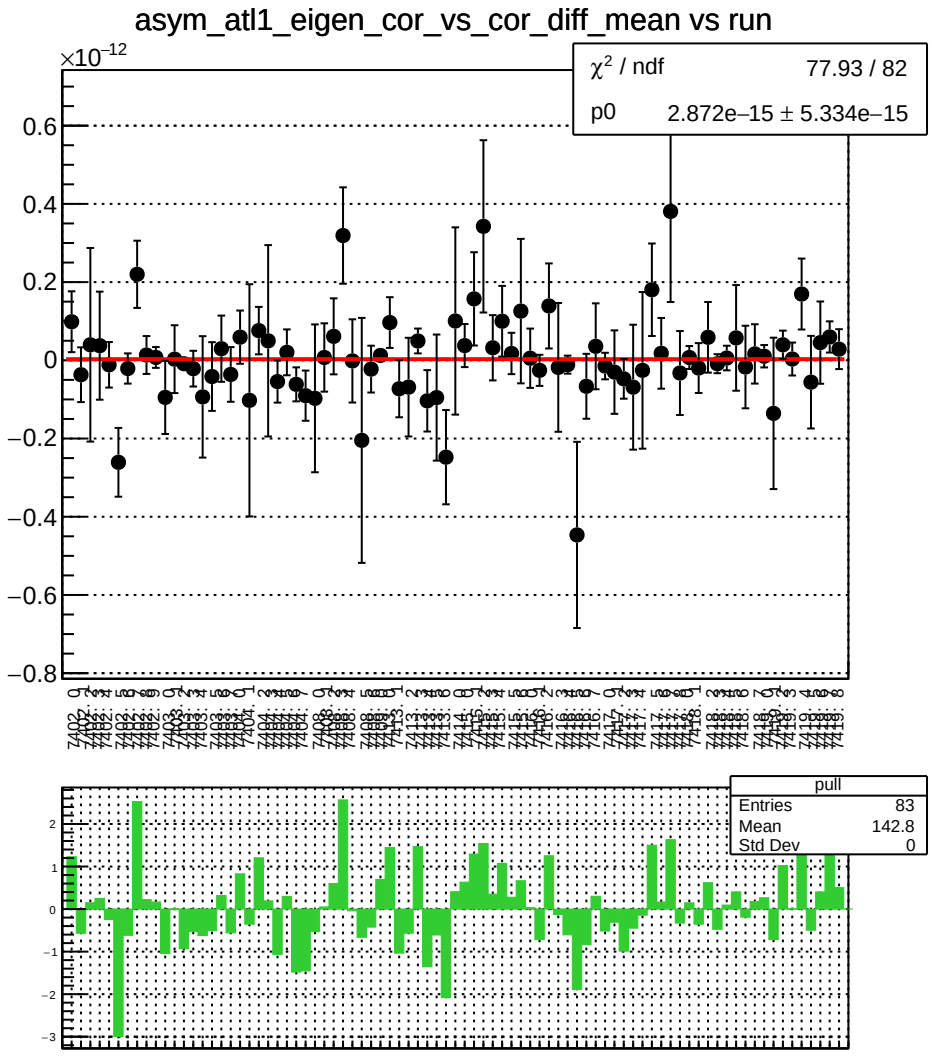

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.74 / 82
p0 −0.03238 ± 0.06616
pull
Entries 83
Mean −186.3
Std Dev 0
pull1D
Entries 83
Mean −0.006742
Std Dev 0.9362

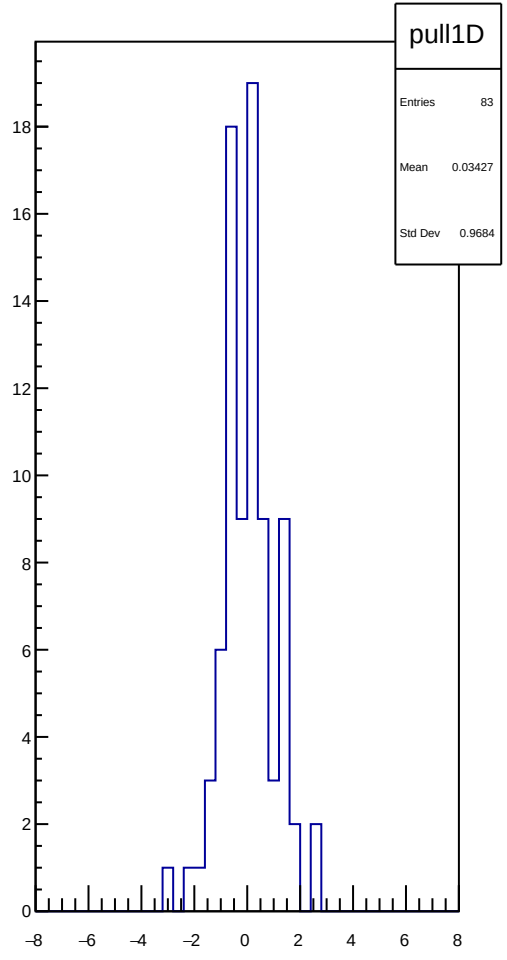

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.347e+05 / 82
p0 56.22 ± 0.04678
250
200
150
100
50

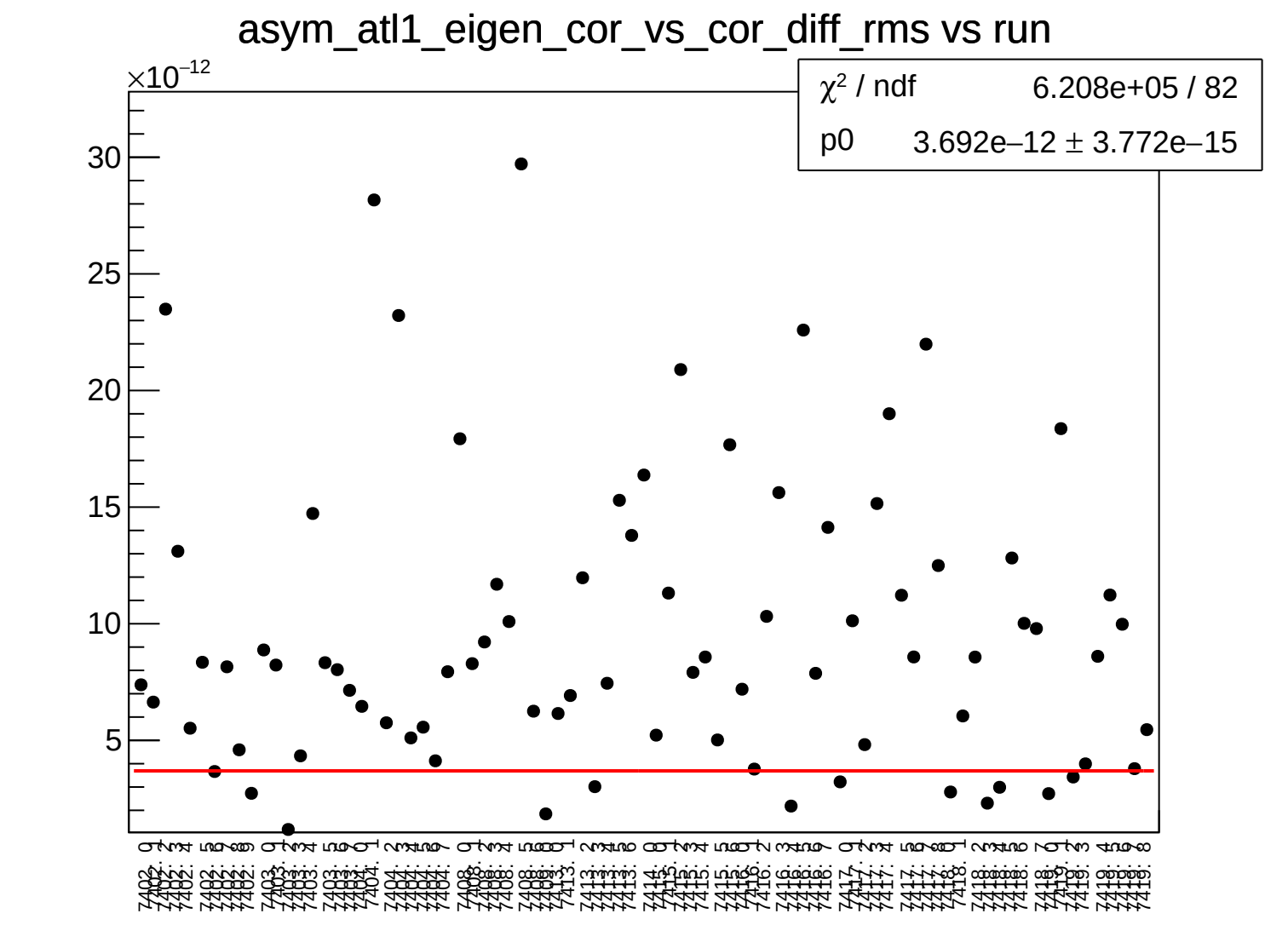

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.74 / 82
p0 −0.03238 ± 0.06616
pull
Entries 83
Mean −186.3
Std Dev 0

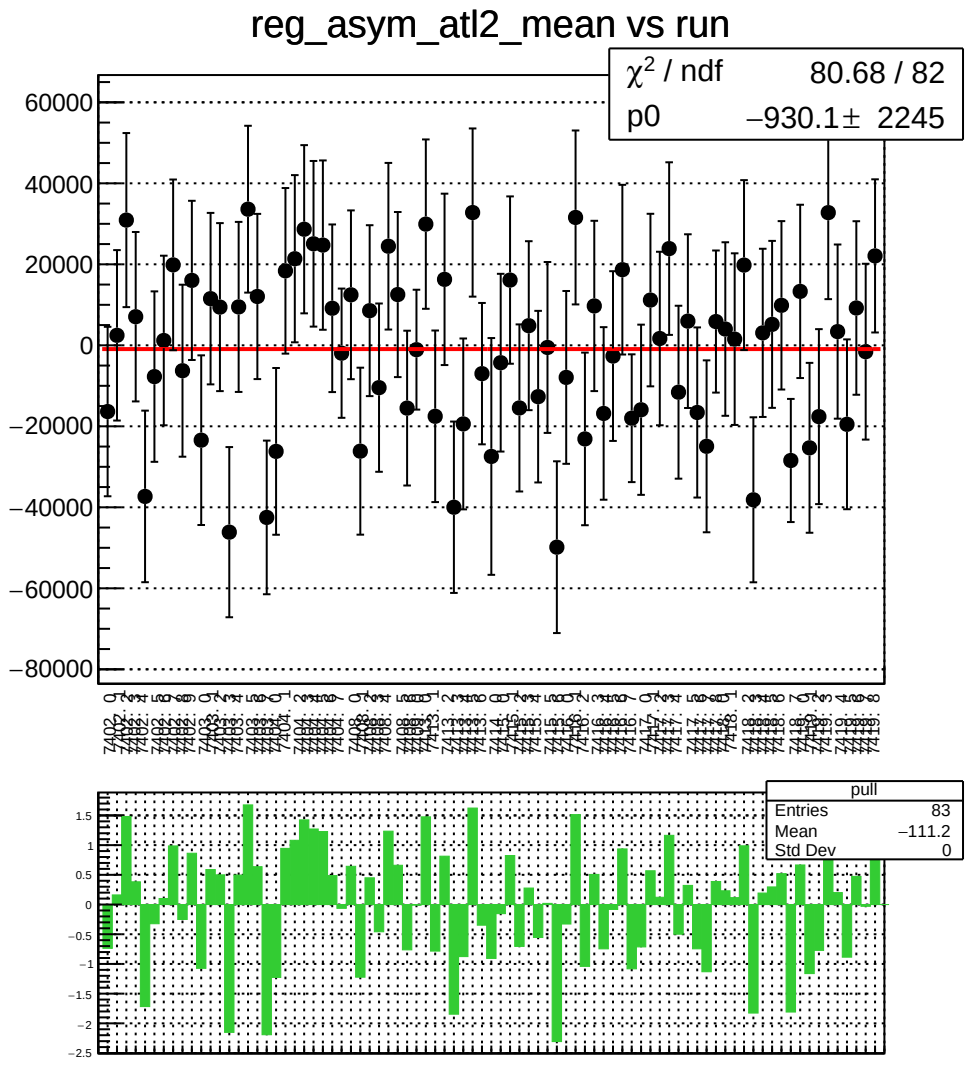

pull1D
Entries 83
Mean −0.006742
Std Dev 0.9362

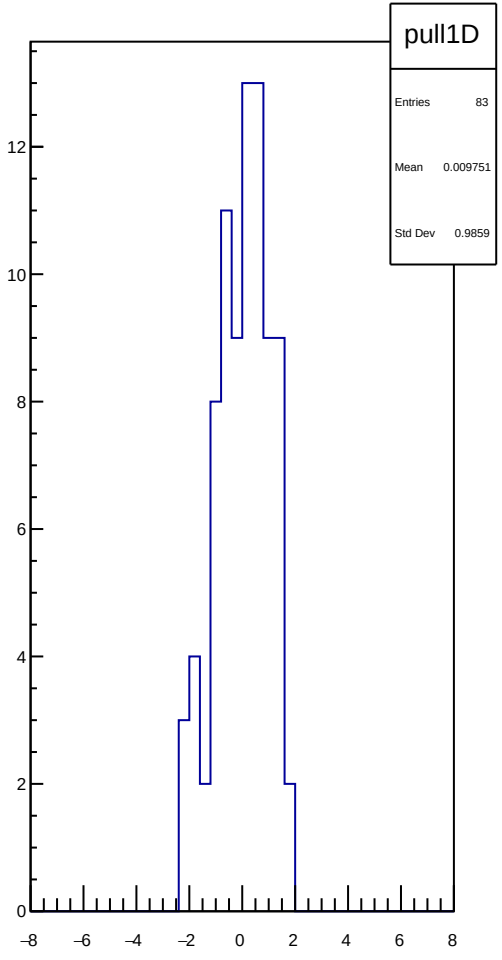

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.347e+05 / 82
p0 56.22 ± 0.04678
250
200
150
100
50

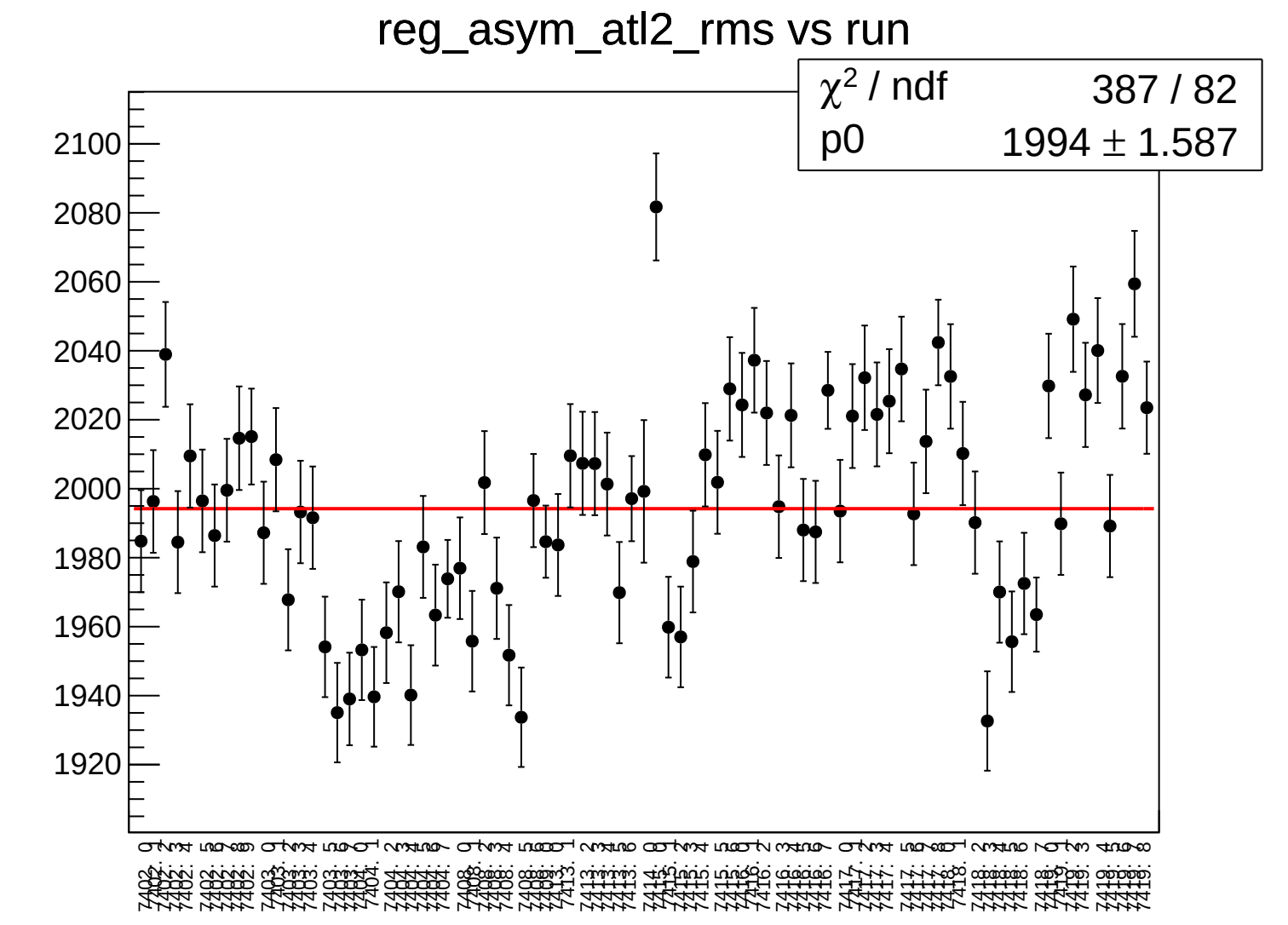

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.93 / 82
p0 2.872e−15 ± 5.334e−15
pull
Entries 83
Mean 142.8
Std Dev 0

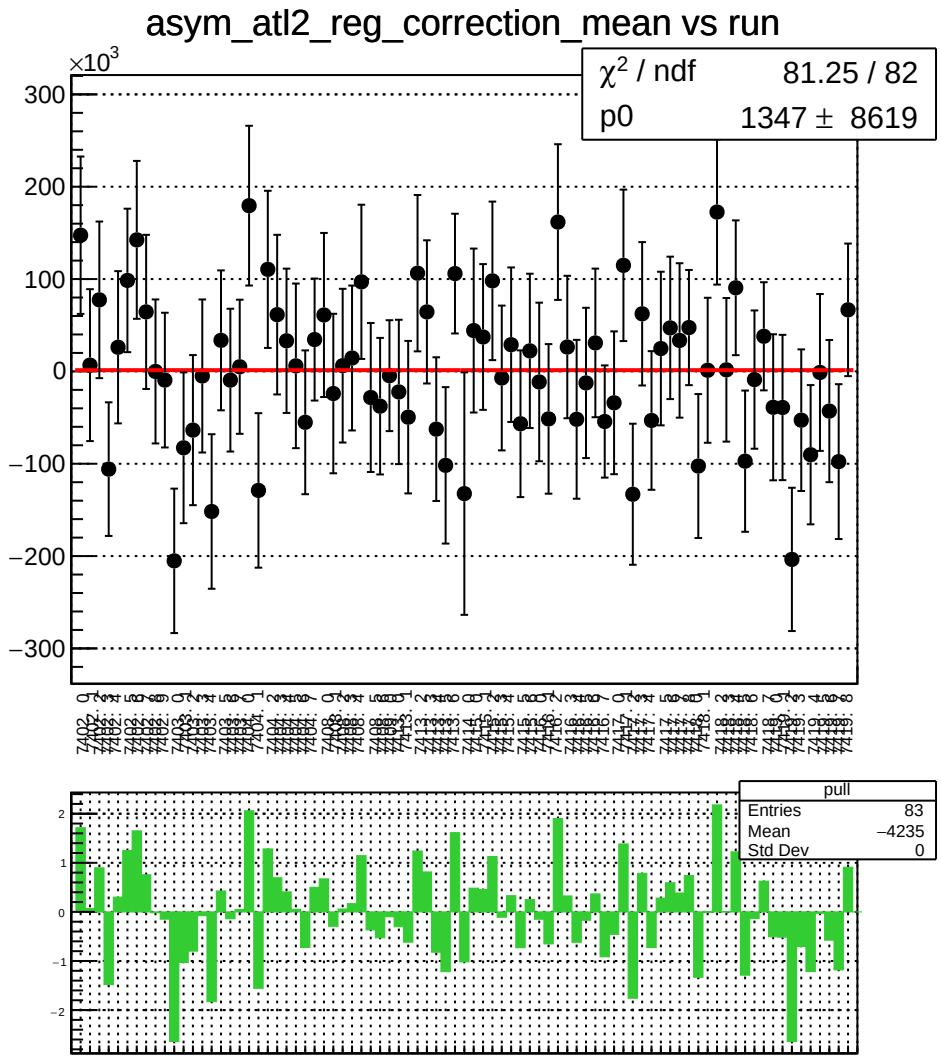

pull1D
Entries 83
Mean 0.03427
Std Dev 0.9684

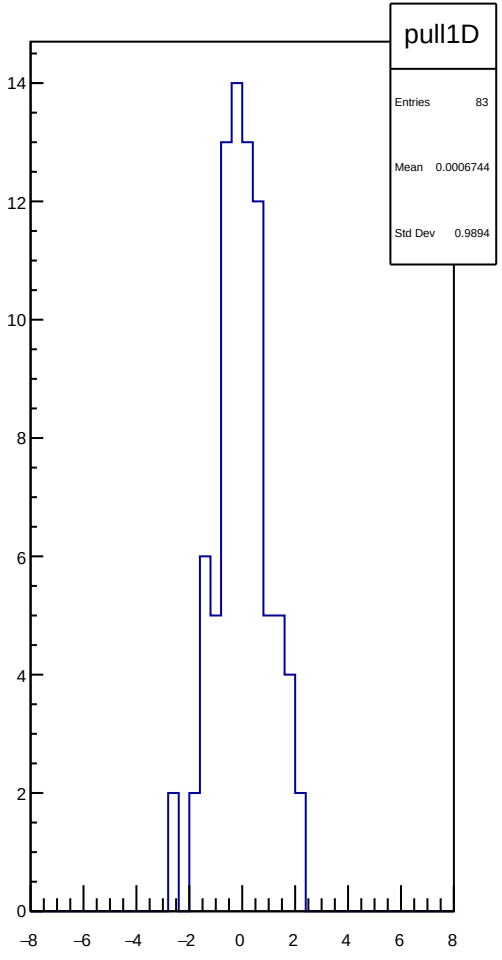

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.208e+05 / 82
p0 3.692e−12 ± 3.772e−15
30
25
20
15
10
5

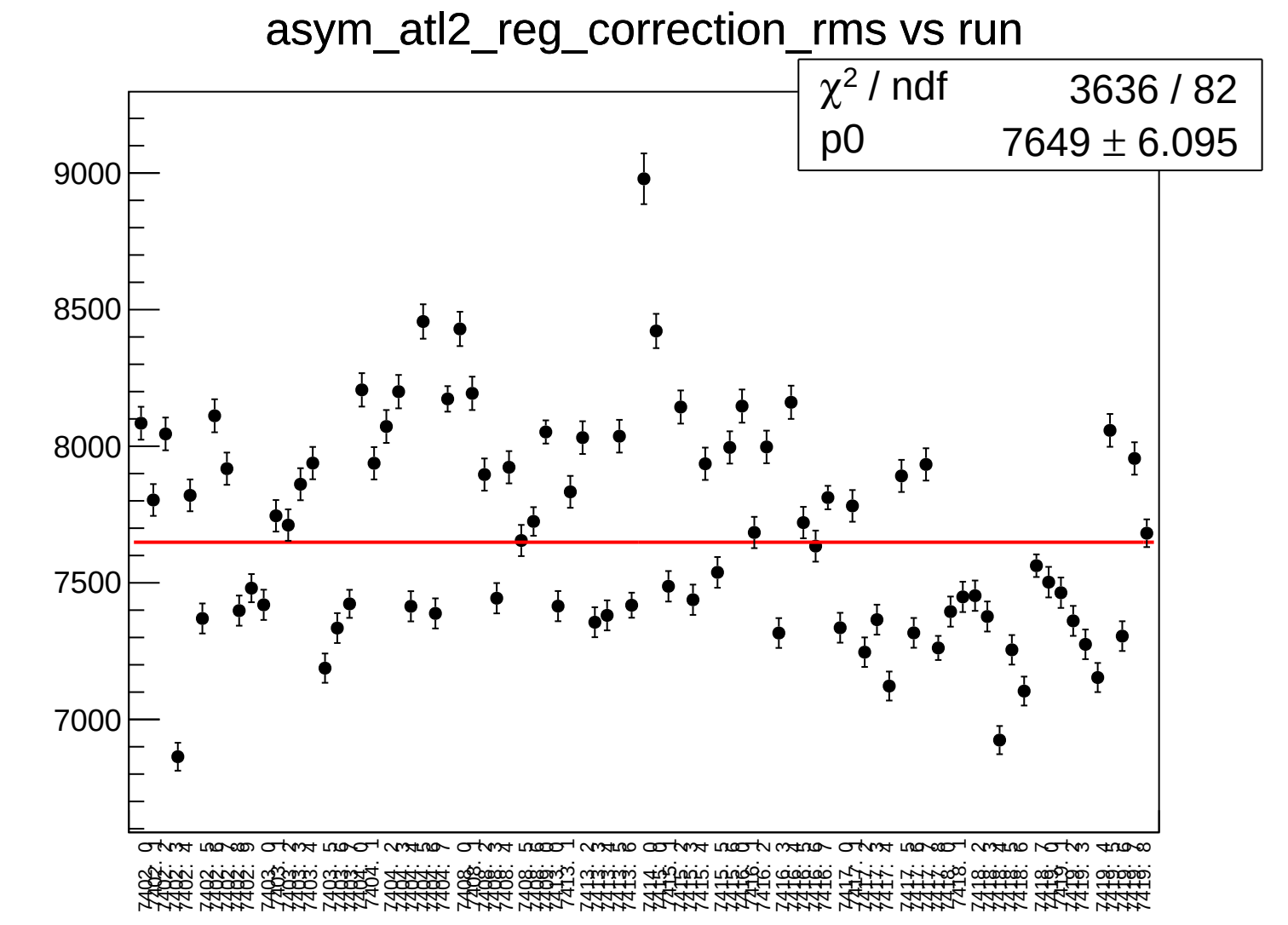

reg_asym_atl2_mean vs run
χ² / ndf 80.68 / 82
p0 −930.1± 2245
pull
Entries 83
Mean −111.2
Std Dev 0

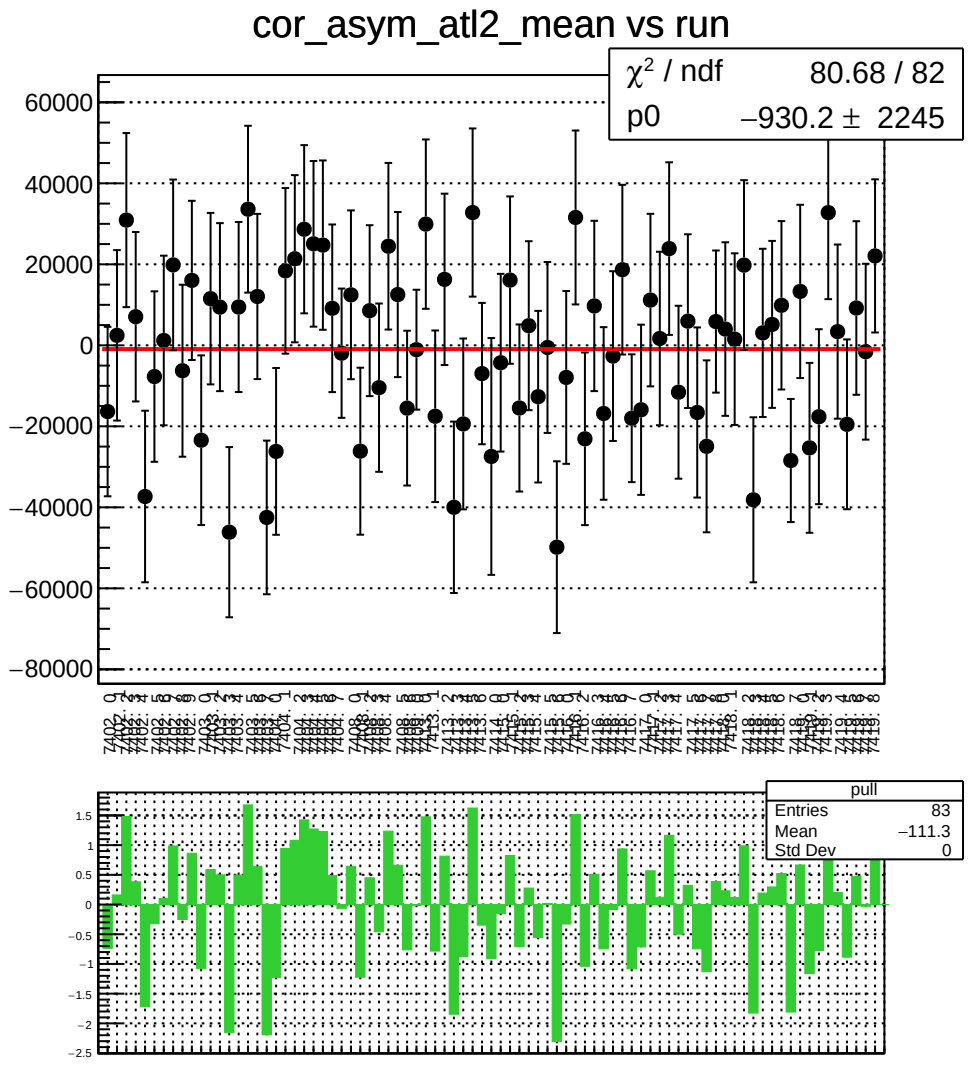

pull1D
Entries 83
Mean 0.009751
Std Dev 0.9859

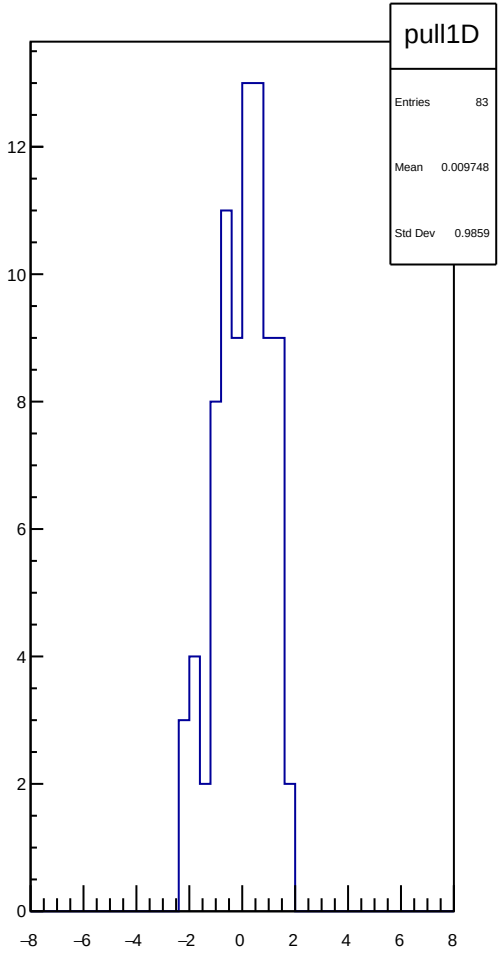

reg_asym_atl2_rms vs run
χ² / ndf 387 / 82
p0 1994 ± 1.587
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920

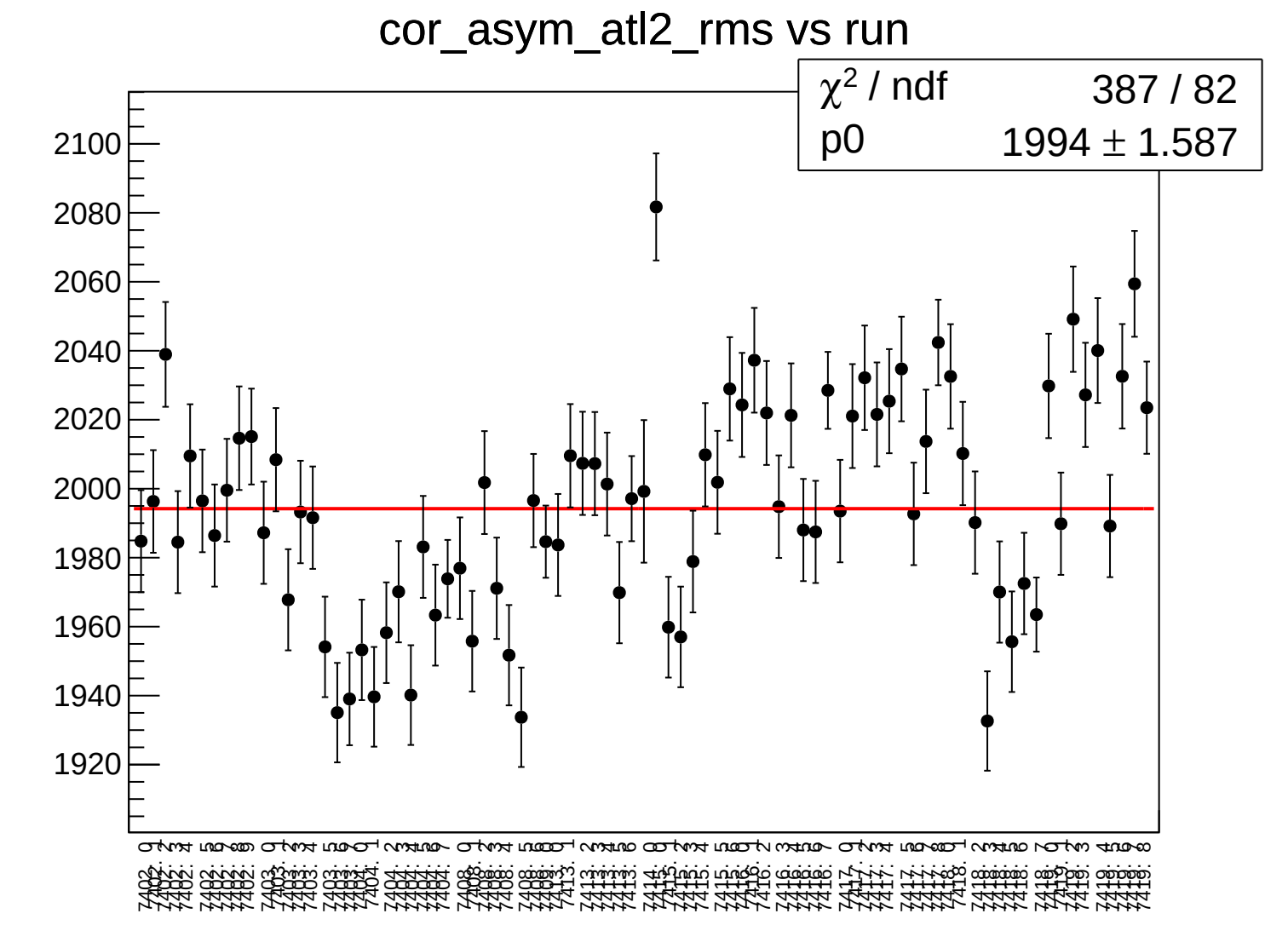

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 81.25 / 82
p0 1347 ± 8619
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −4235
Std Dev 0
2
1
0
−1
−2

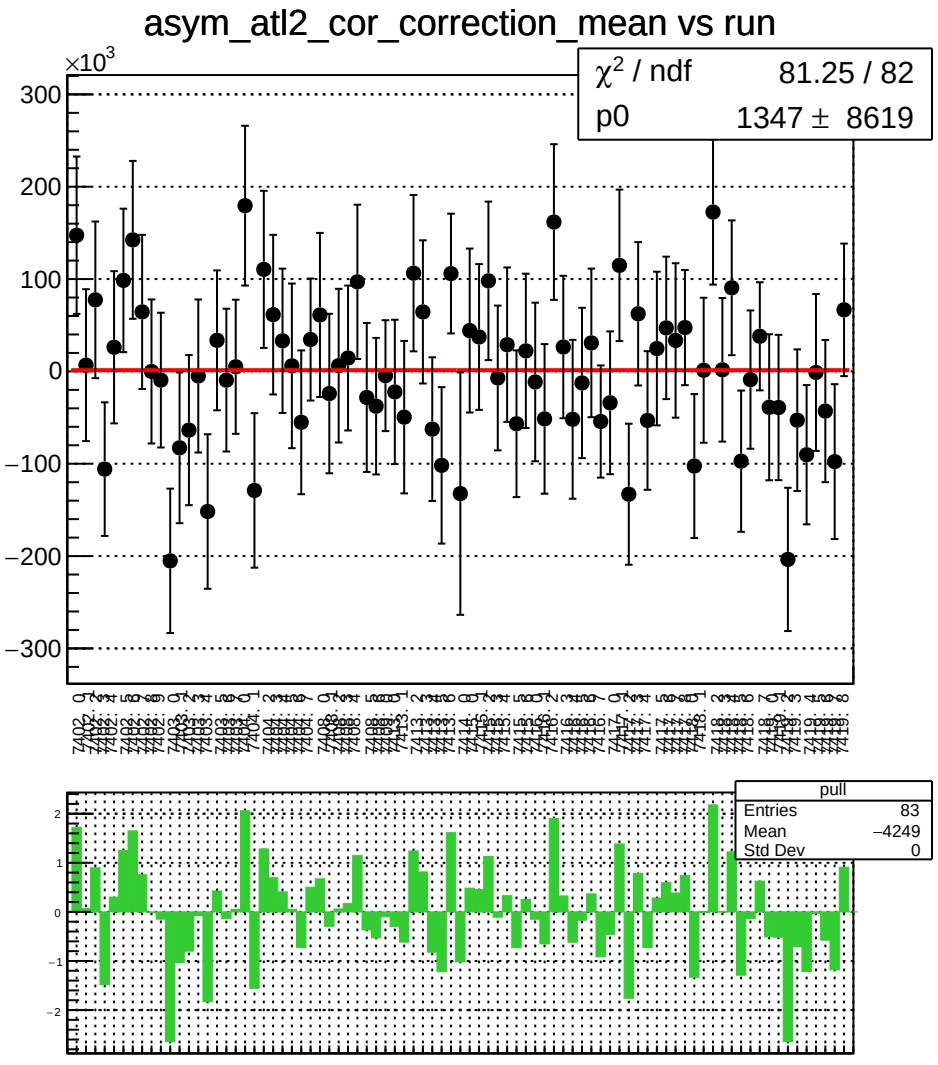

pull1D
Entries 83
Mean 0.0006744
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

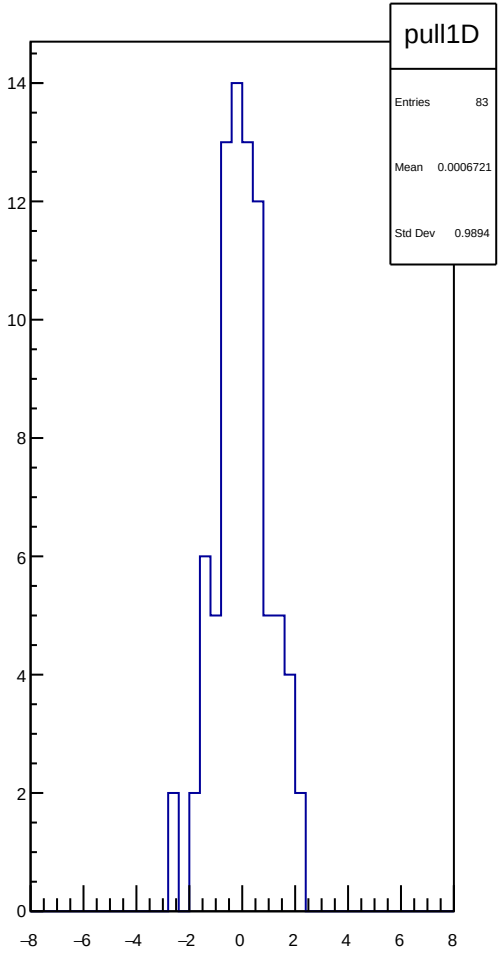

asym_atl2_reg_correction_rms vs run
χ² / ndf 3636 / 82
p0 7649 ± 6.095
9000
8500
8000
7500
7000

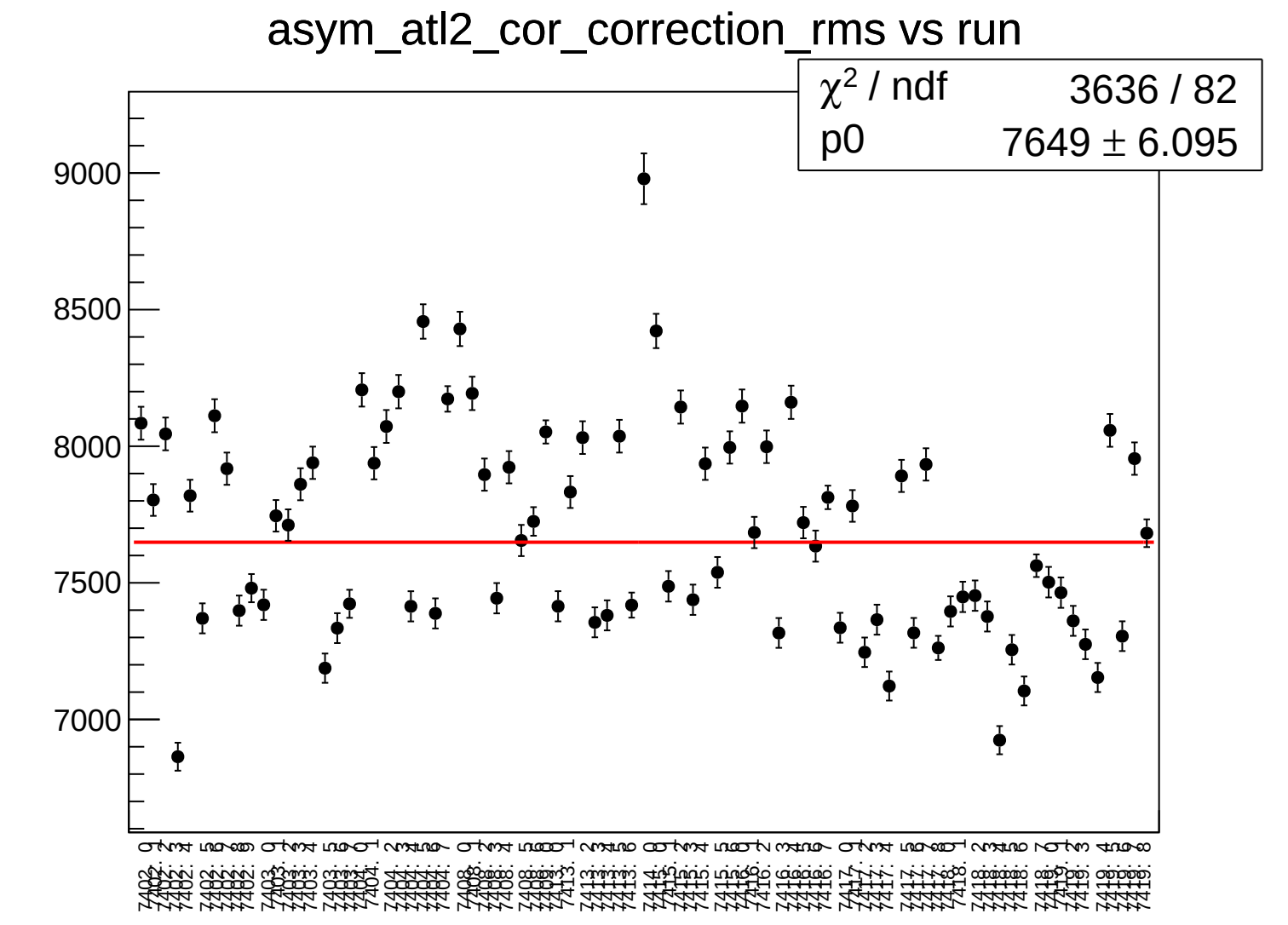

cor_asym_atl2_mean vs run
χ² / ndf 80.68 / 82
p0 −930.2 ± 2245
pull
Entries 83
Mean −111.3
Std Dev 0

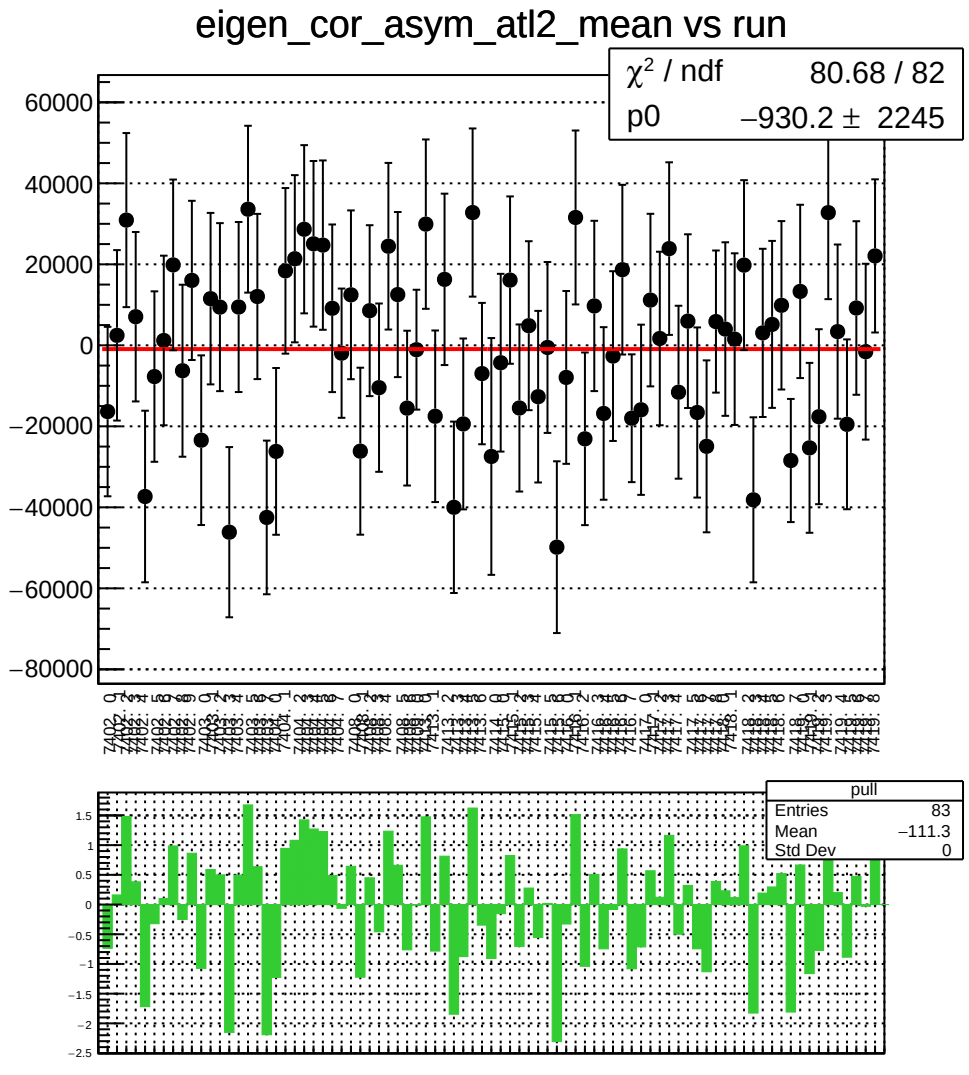

pull1D
Entries 83
Mean 0.009748
Std Dev 0.9859

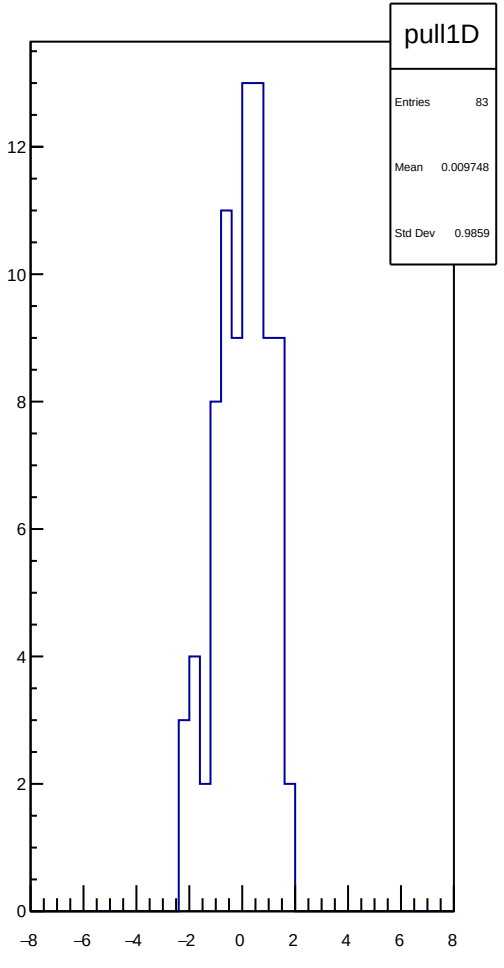

cor_asym_atl2_rms vs run
χ^2 / ndf 387 / 82
p0 1994 ± 1.587
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920

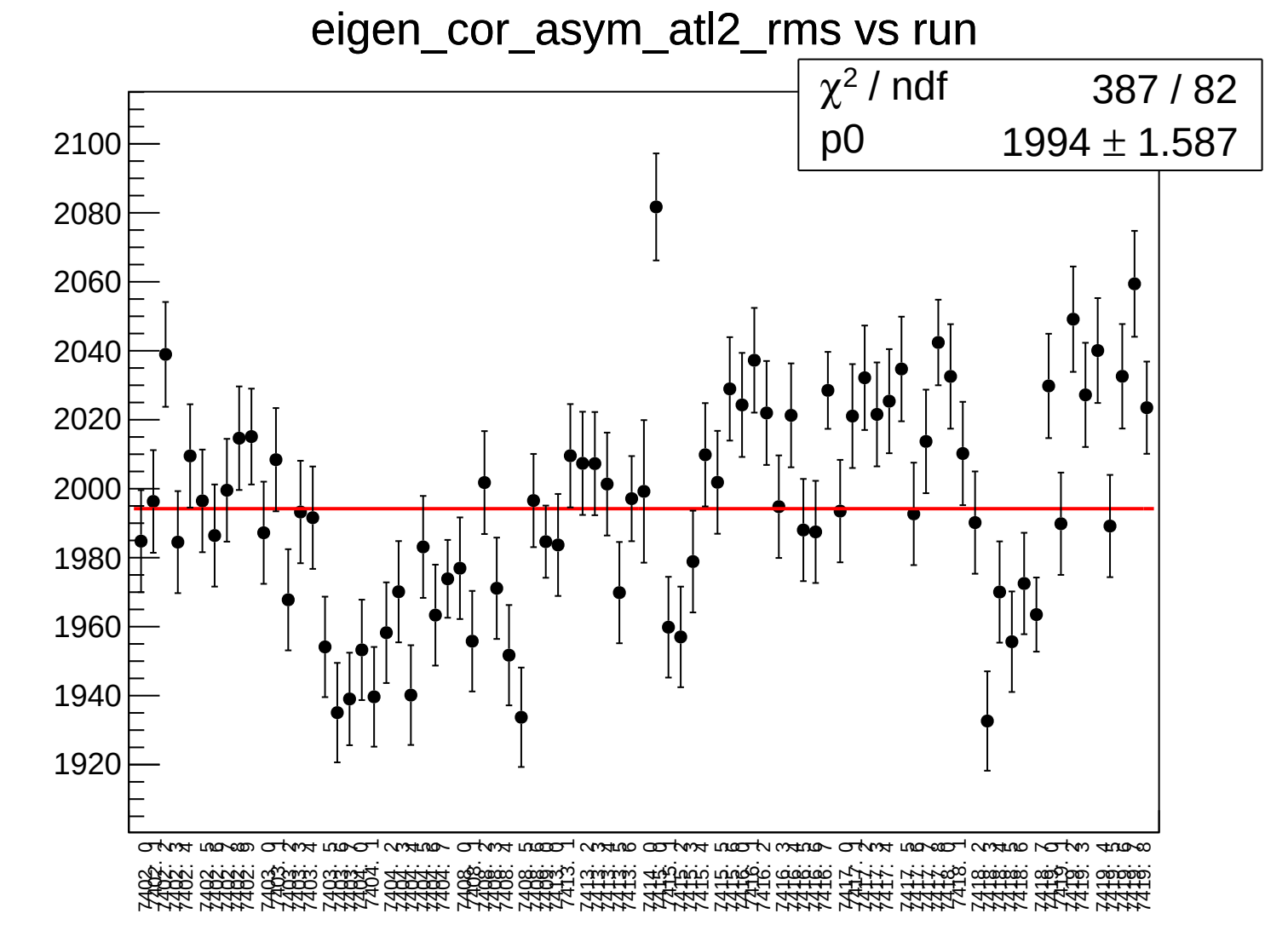

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 81.25 / 82
p0 1347 ± 8619
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −4249
Std Dev 0
2
1
0
−1
−2

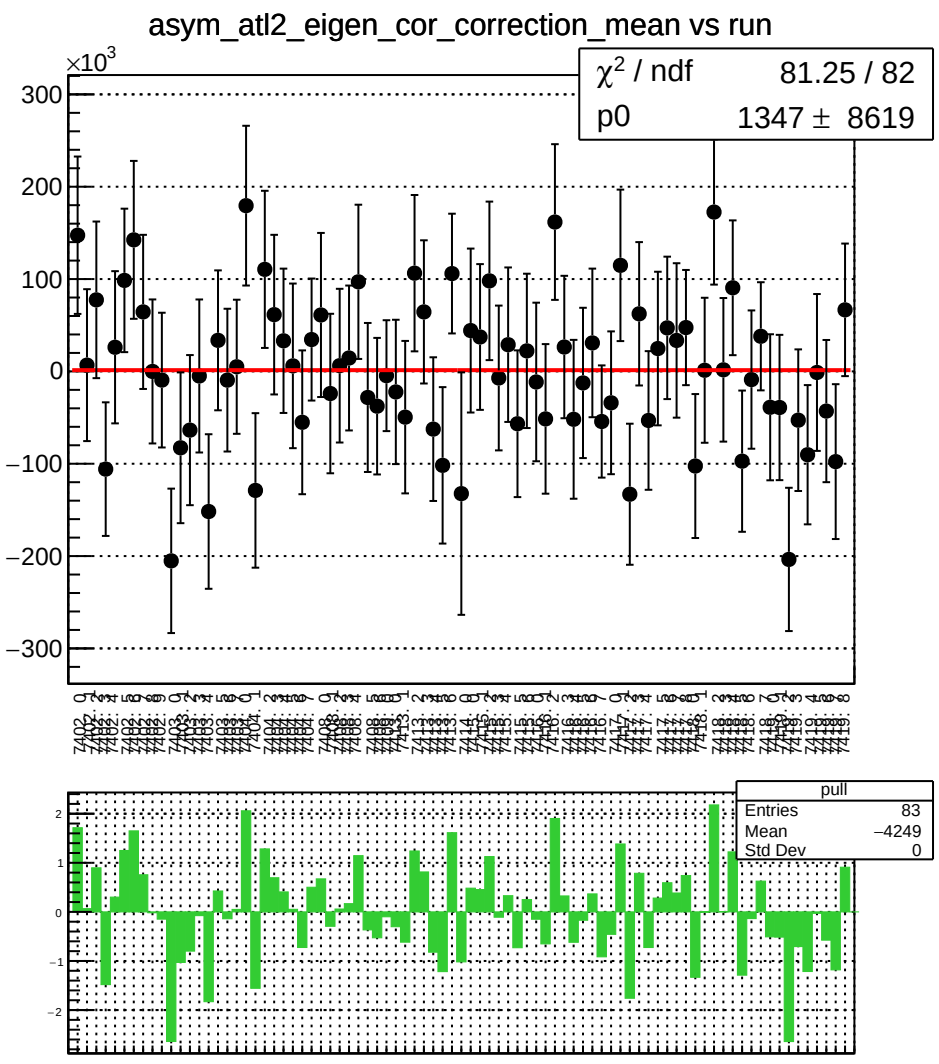

pull1D
Entries 83
Mean 0.0006721
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

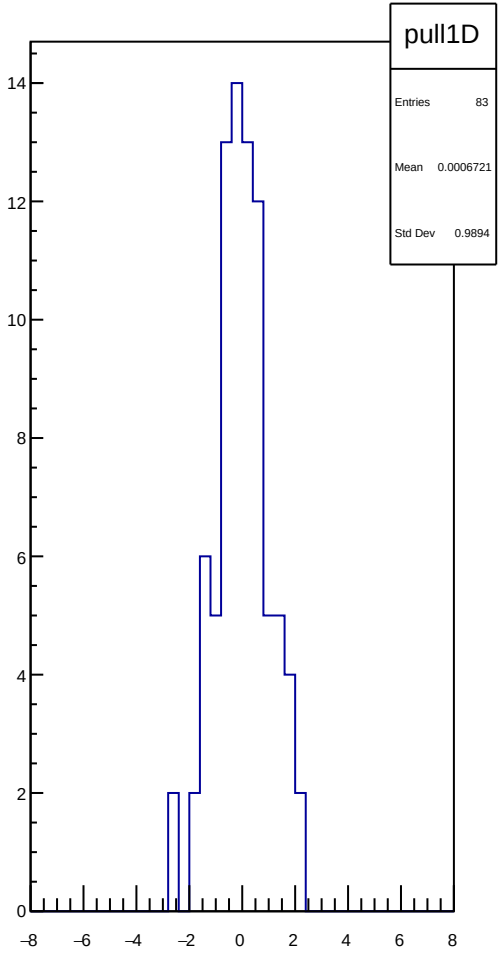

asym_atl2_cor_correction_rms vs run
χ² / ndf 3636 / 82
p0 7649 ± 6.095
9000
8500
8000
7500
7000

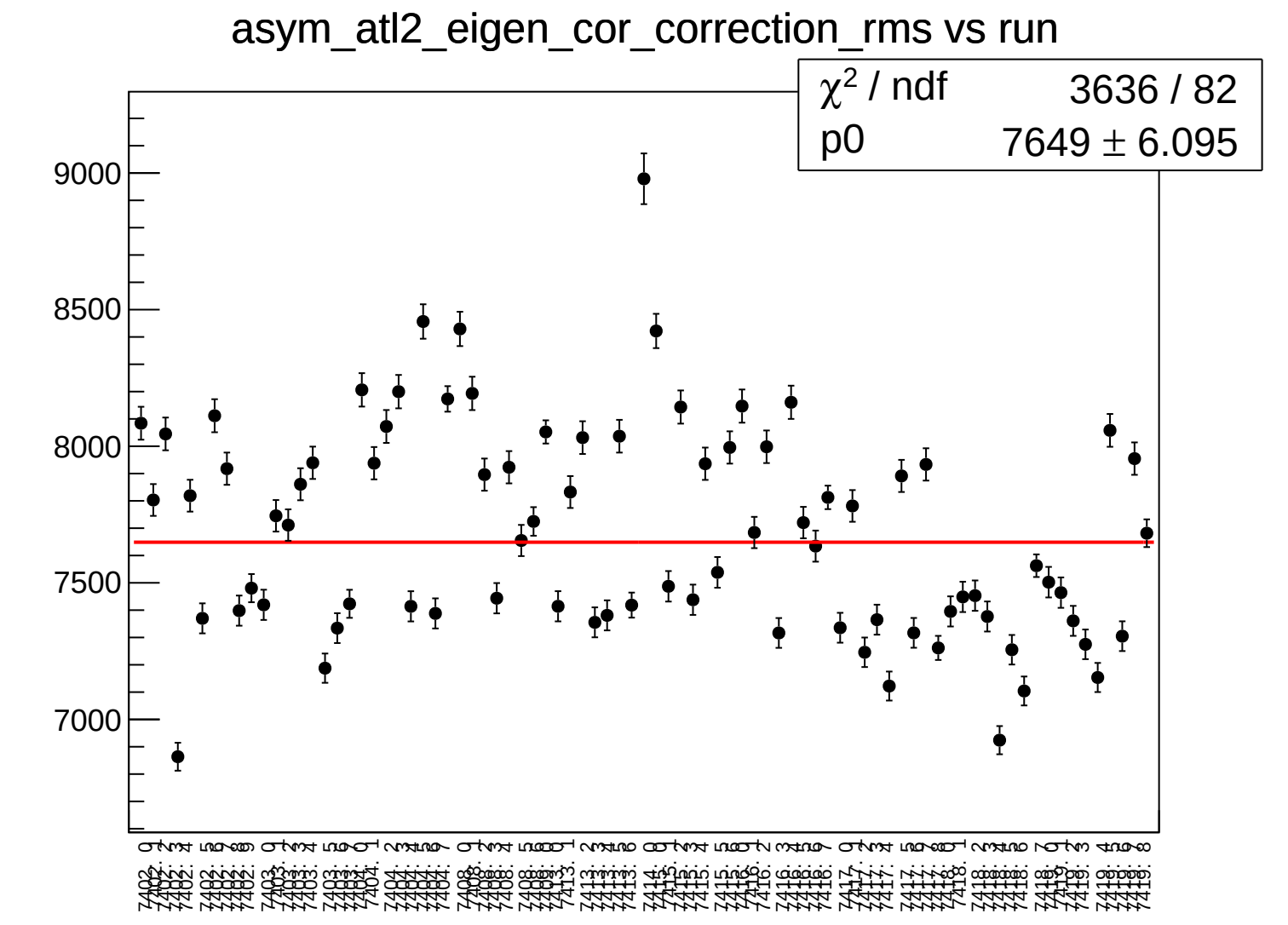

eigen_cor_asym_atl2_mean vs run
χ² / ndf 80.68 / 82
p0 −930.2 ± 2245
pull
Entries 83
Mean −111.3
Std Dev 0

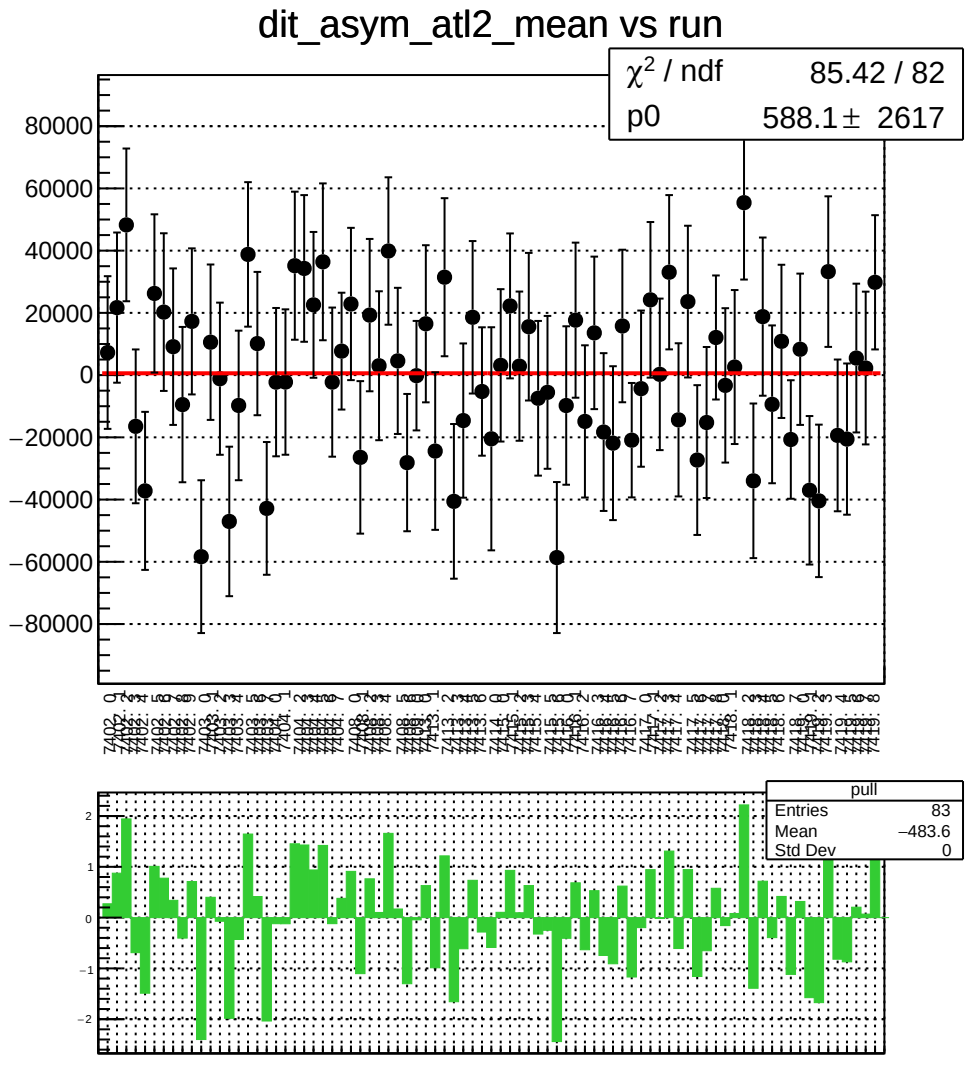

pull1D
Entries 83
Mean 0.009748
Std Dev 0.9859

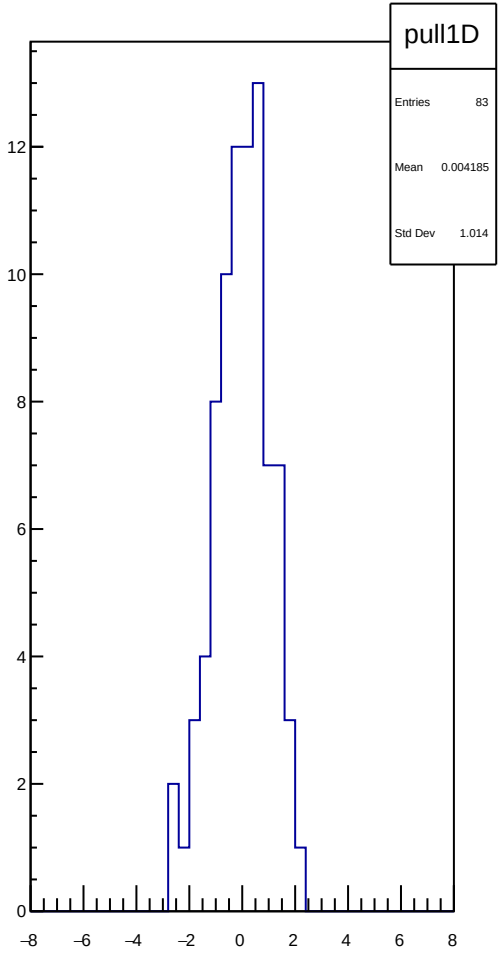

eigen_cor_asym_atl2_rms vs run
χ^2 / ndf 387 / 82
p0 1994 ± 1.587
2100
2080
2060
2040
2020
2000
1980
1960
1940
1920

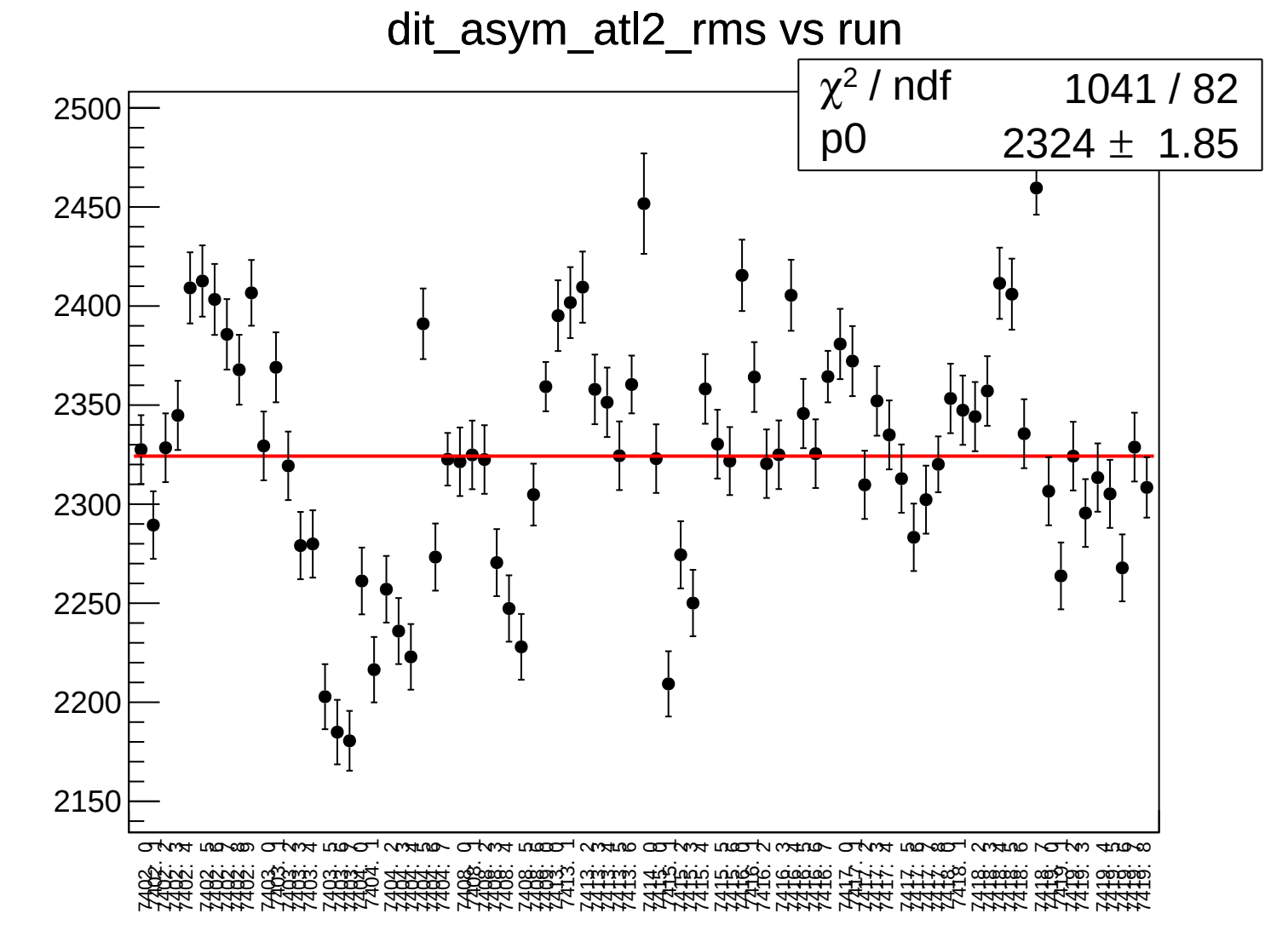

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.25 / 82
p0 1347 ± 8619
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −4249
Std Dev 0
2
1
0
−1
−2

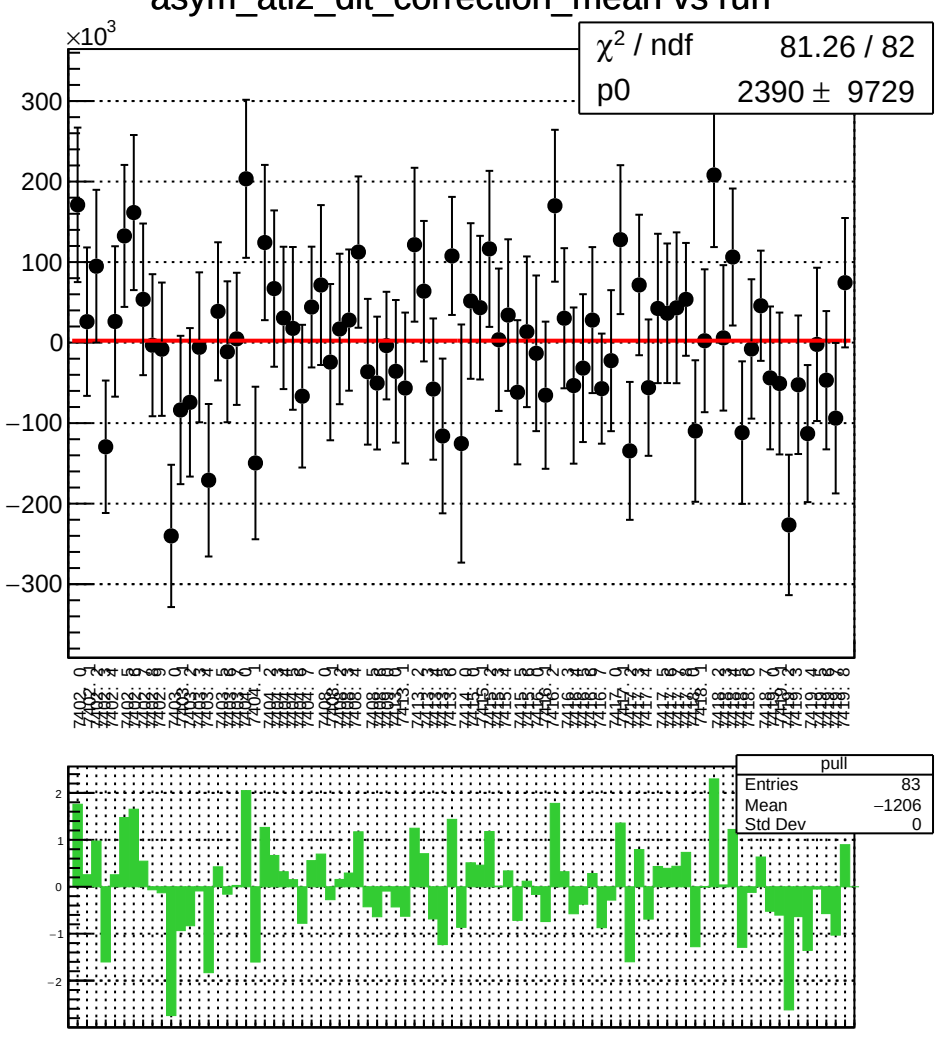

pull1D
Entries 83
Mean 0.0006721
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

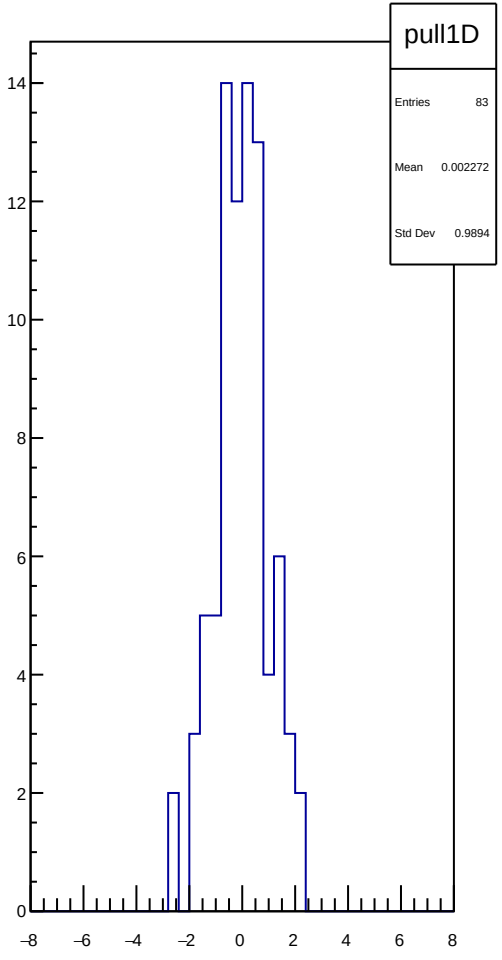

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 3636 / 82
p0 7649 ± 6.095
9000
8500
8000
7500
7000

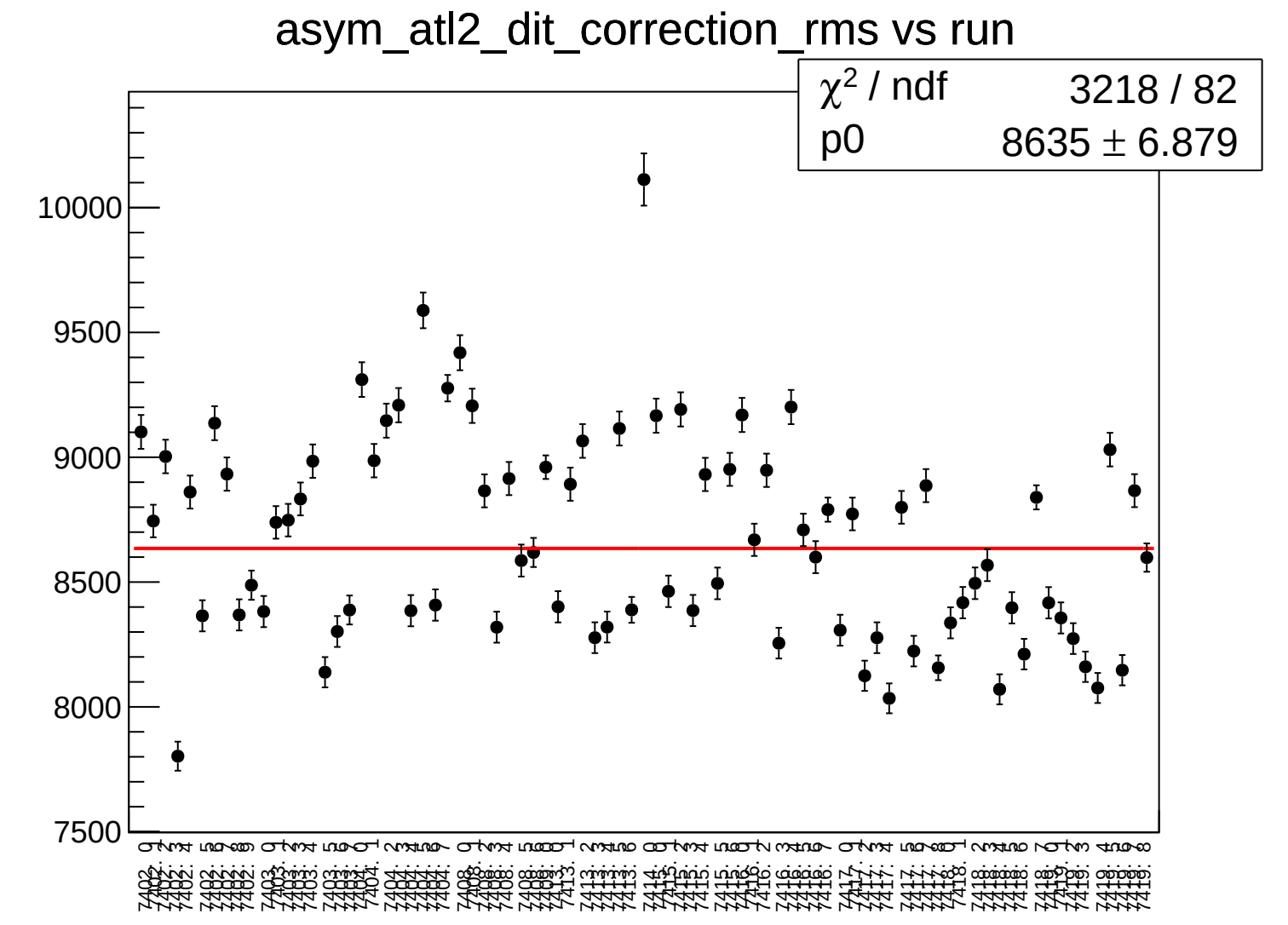

dit_asym_atl2_mean vs run
χ² / ndf 85.42 / 82
p0 588.1 ± 2617
pull
Entries 83
Mean −483.6
Std Dev 0

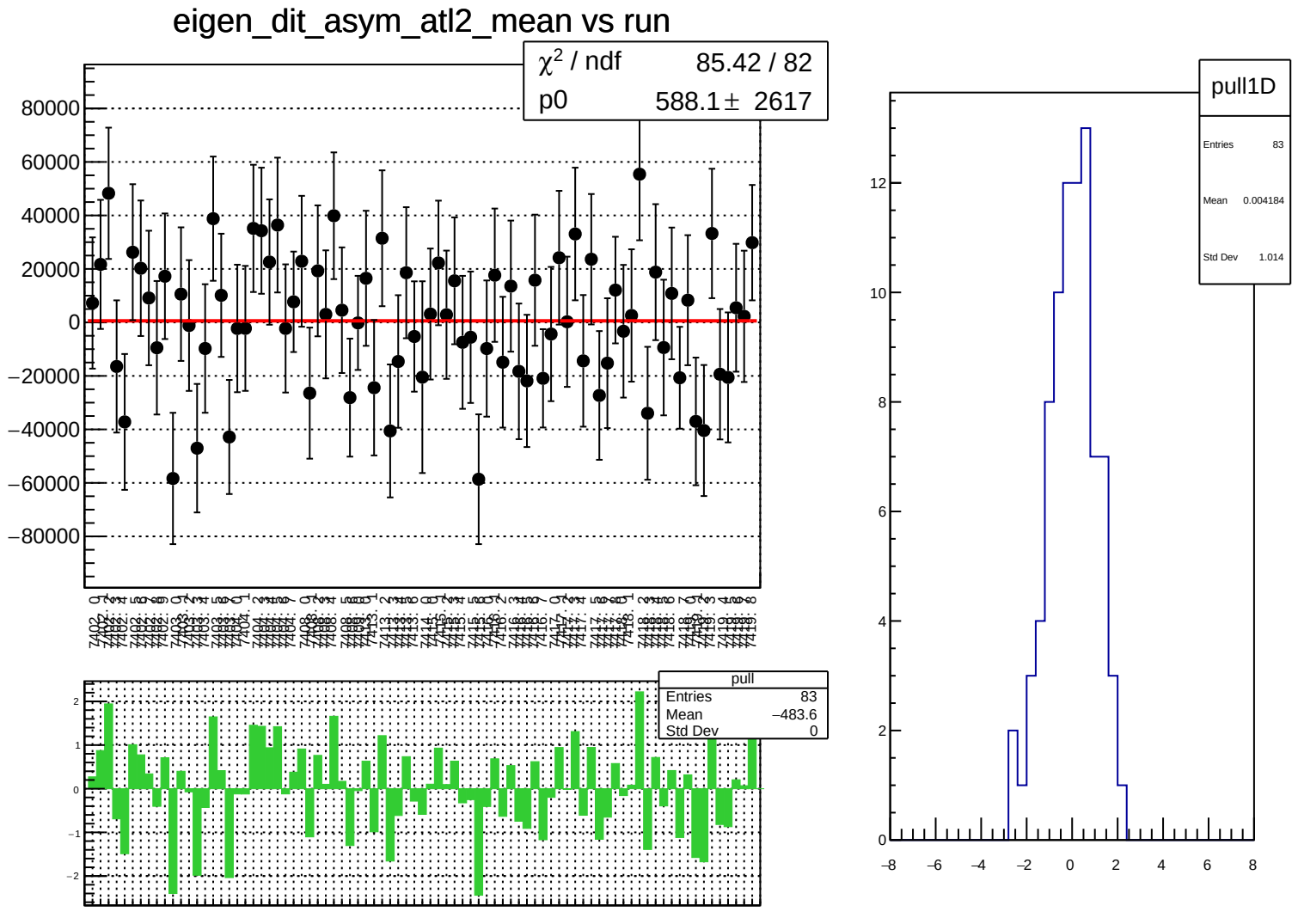

pull1D
Entries 83
Mean 0.004185
Std Dev 1.014

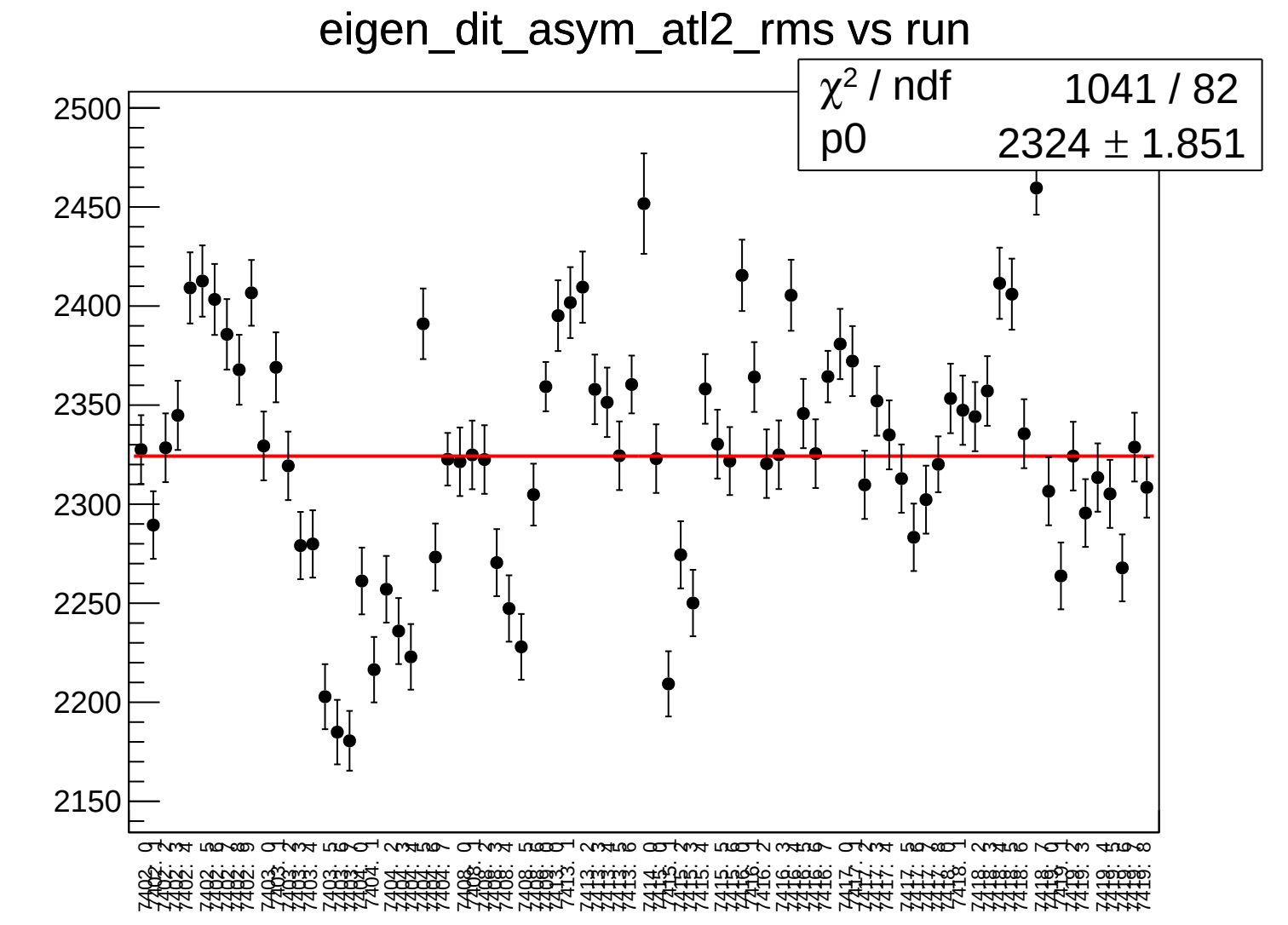

dit_asym_atl2_rms vs run
χ² / ndf 1041 / 82
p0 2324 ± 1.85
2500
2450
2400
2350
2300
2250
2200
2150

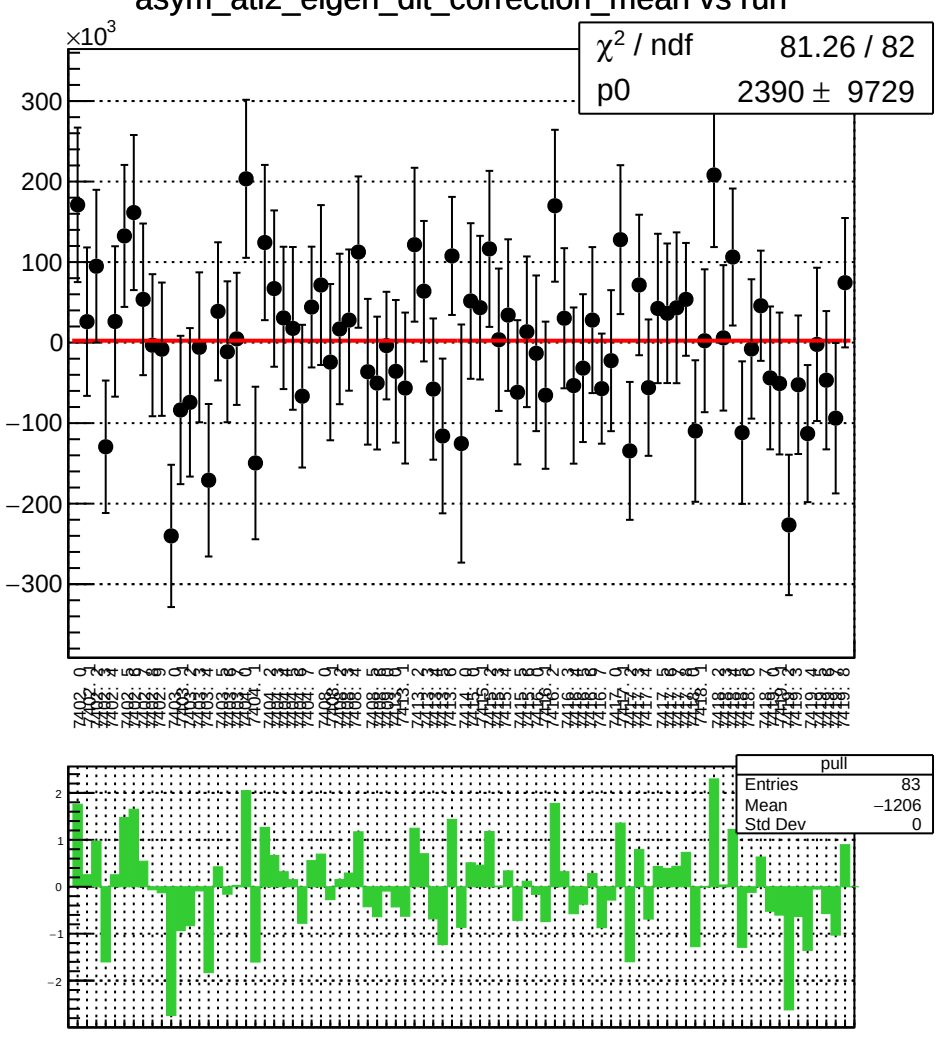

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 81.26 / 82
p0 2390 ± 9729
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −1206
Std Dev 0
2
1
0
−1
−2

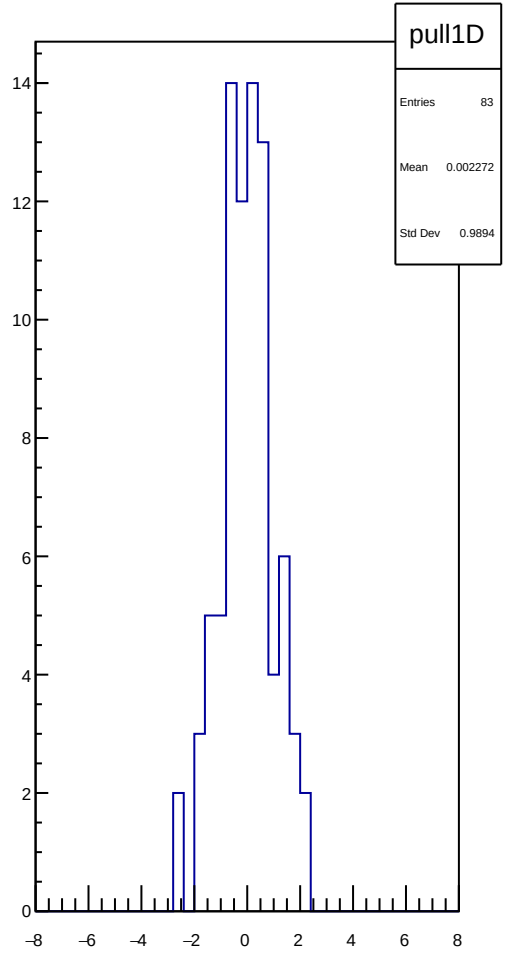

pull1D
Entries 83
Mean 0.002272
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

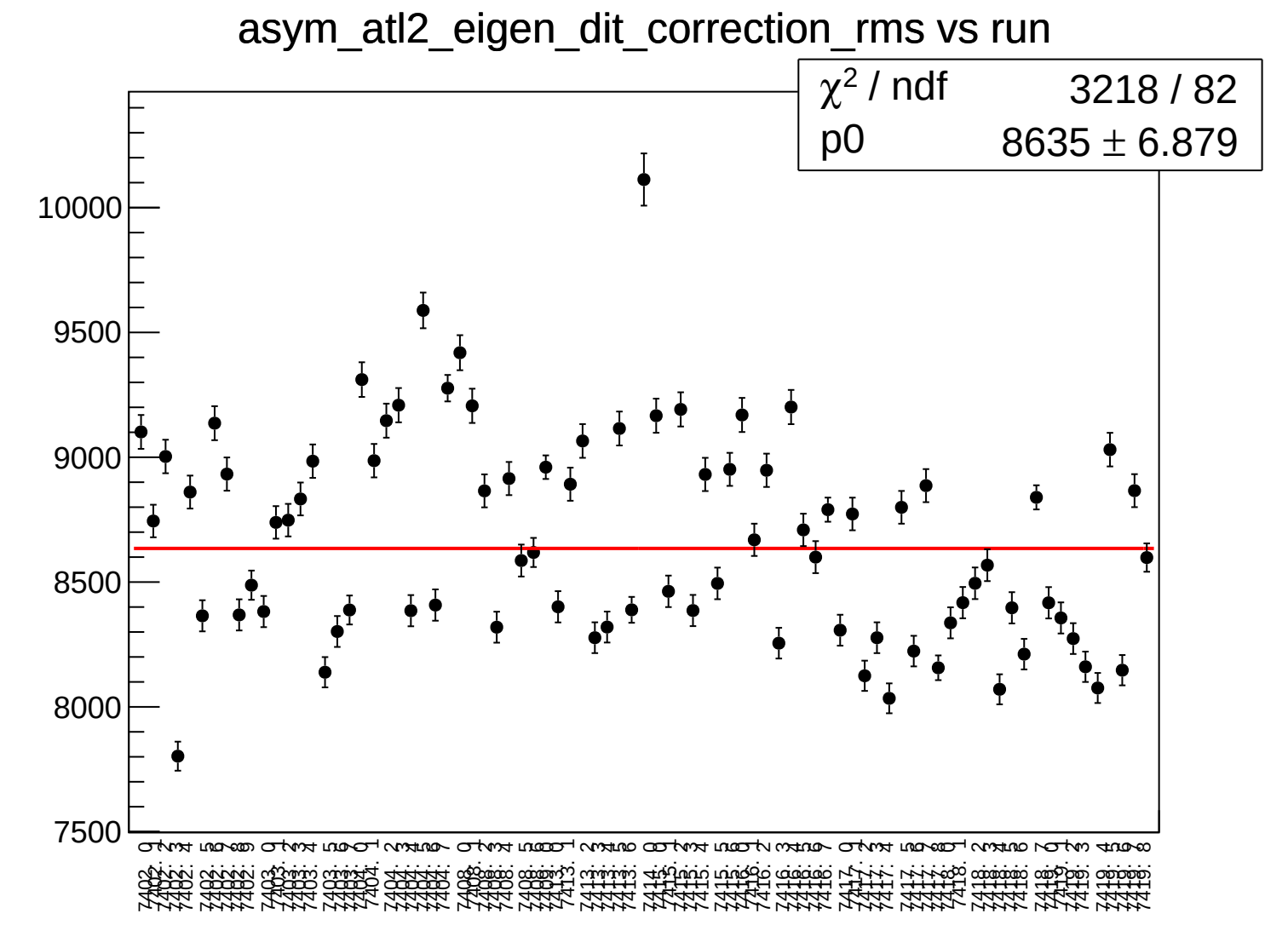

asym_atl2_dit_correction_rms vs run
χ² / ndf 3218 / 82
p0 8635 ± 6.879
10000
9500
9000
8500
8000
7500

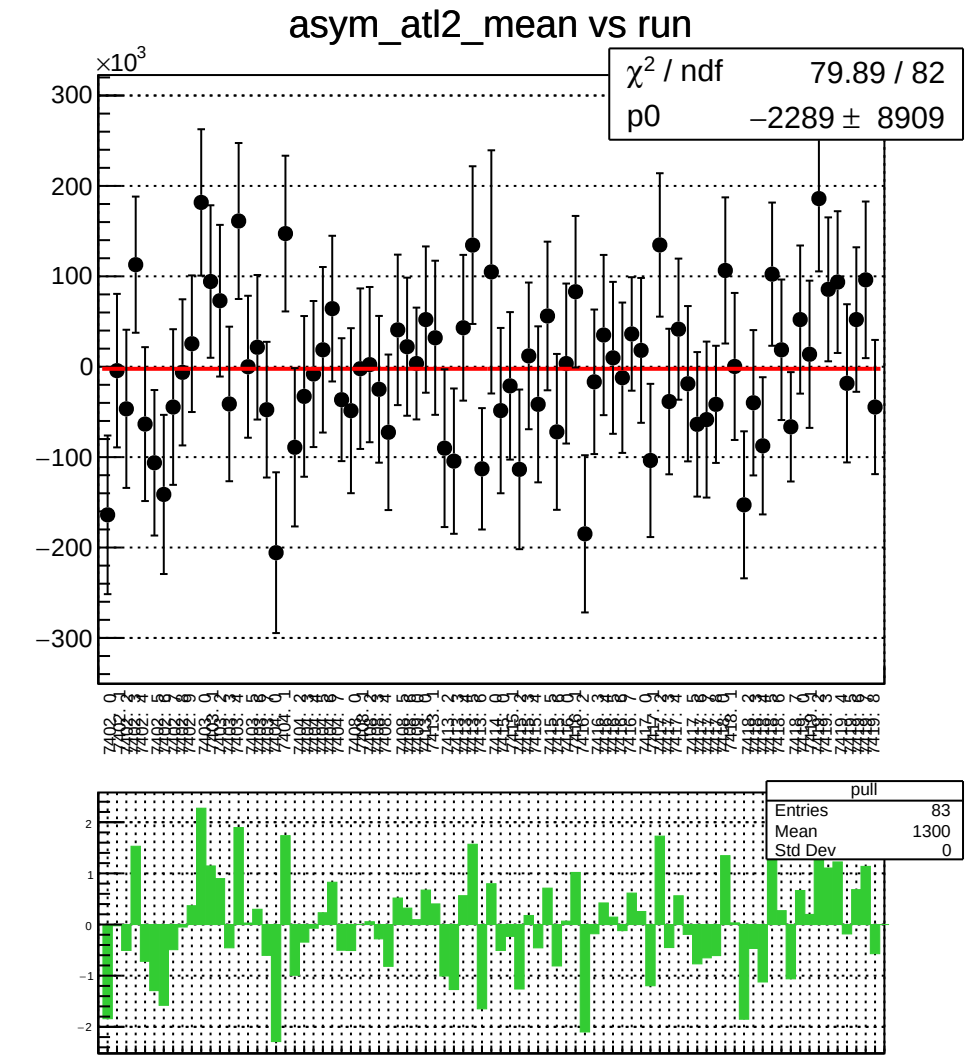

eigen_dit_asym_atl2_mean vs run
χ² / ndf 85.42 / 82
p0 588.1 ± 2617
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −483.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.004184
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

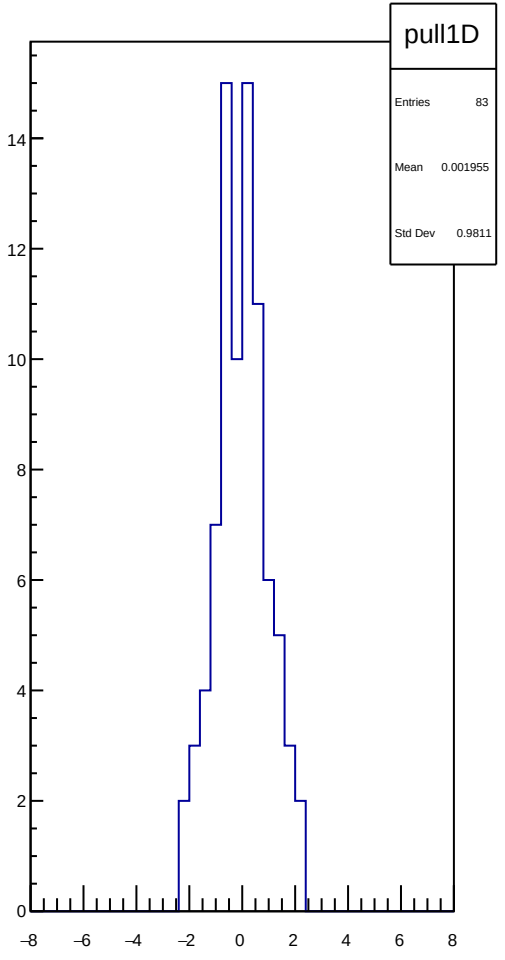

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 1041 / 82
p0 2324 ± 1.851
2500
2450
2400
2350
2300
2250
2200
2150

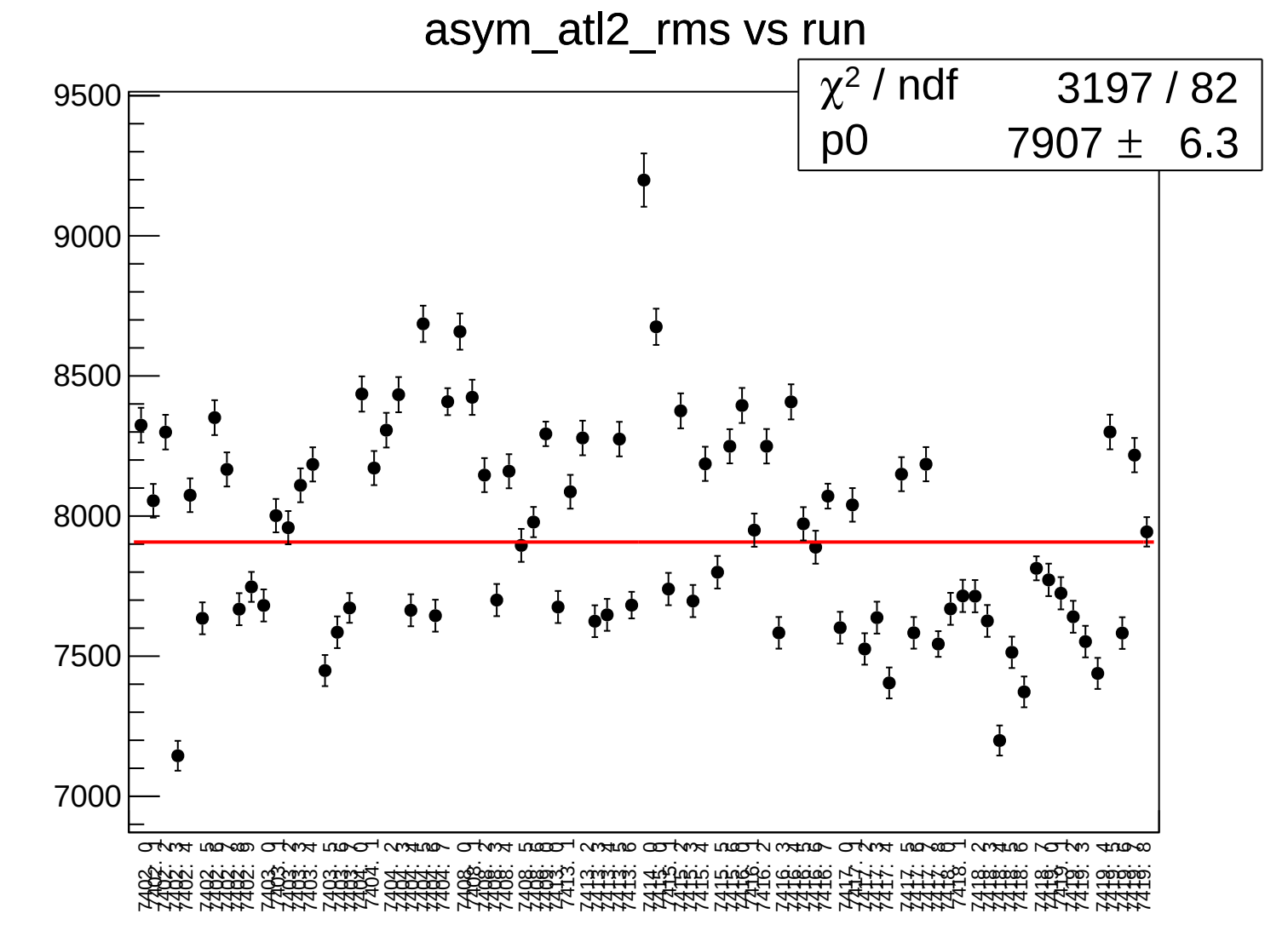

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.26 / 82
p0 2390 ± 9729
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −1206
Std Dev 0
2
1
0
−1
−2

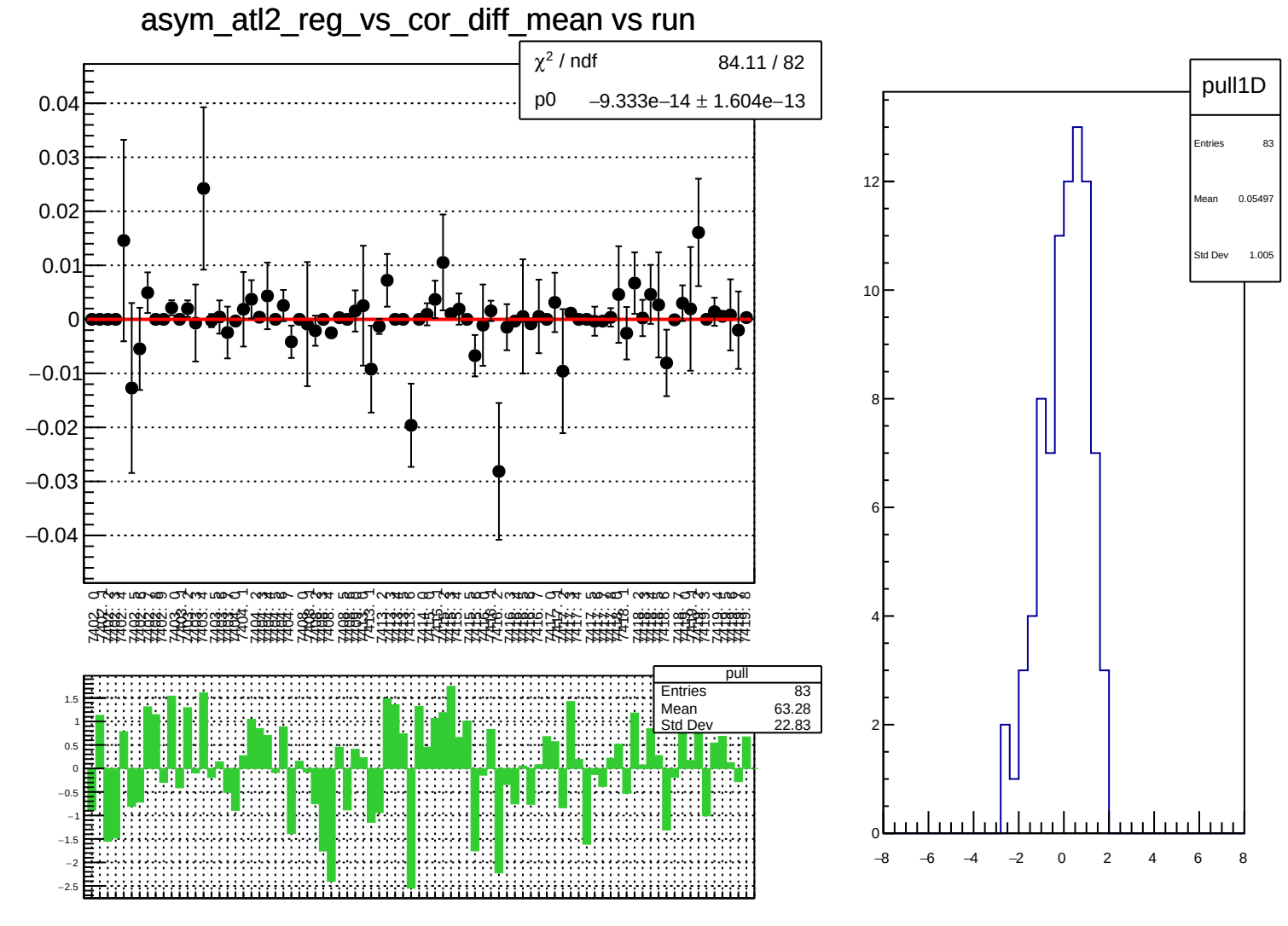

pull1D
Entries 83
Mean 0.002272
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

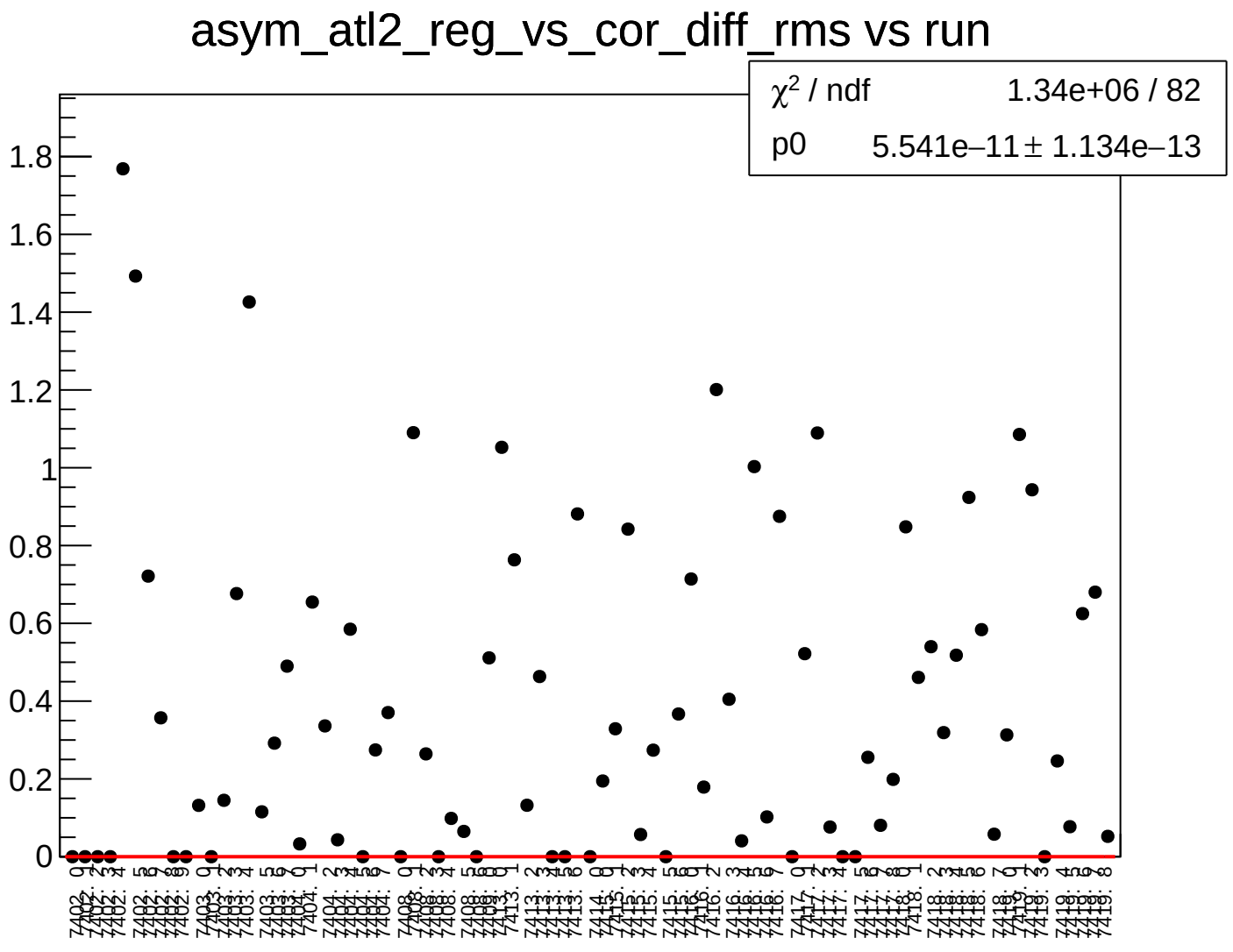

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 3218 / 82
p0 8635 ± 6.879
10000
9500
9000
8500
8000
7500

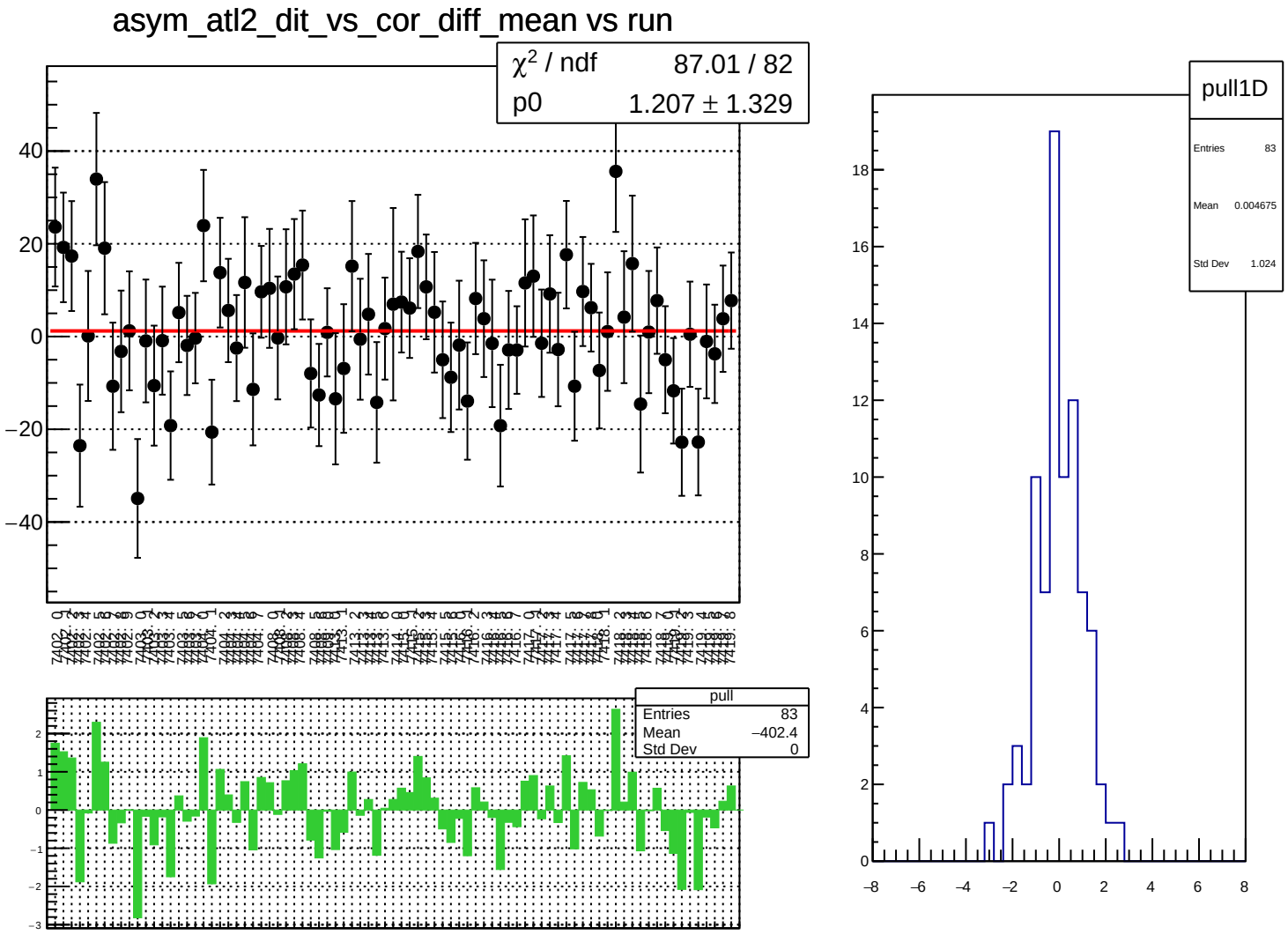

asym_atl2_mean vs run
×10^3
χ² / ndf 79.89 / 82
p0 −2289 ± 8909
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean 1300
Std Dev 0
2
1
0
−1
−2

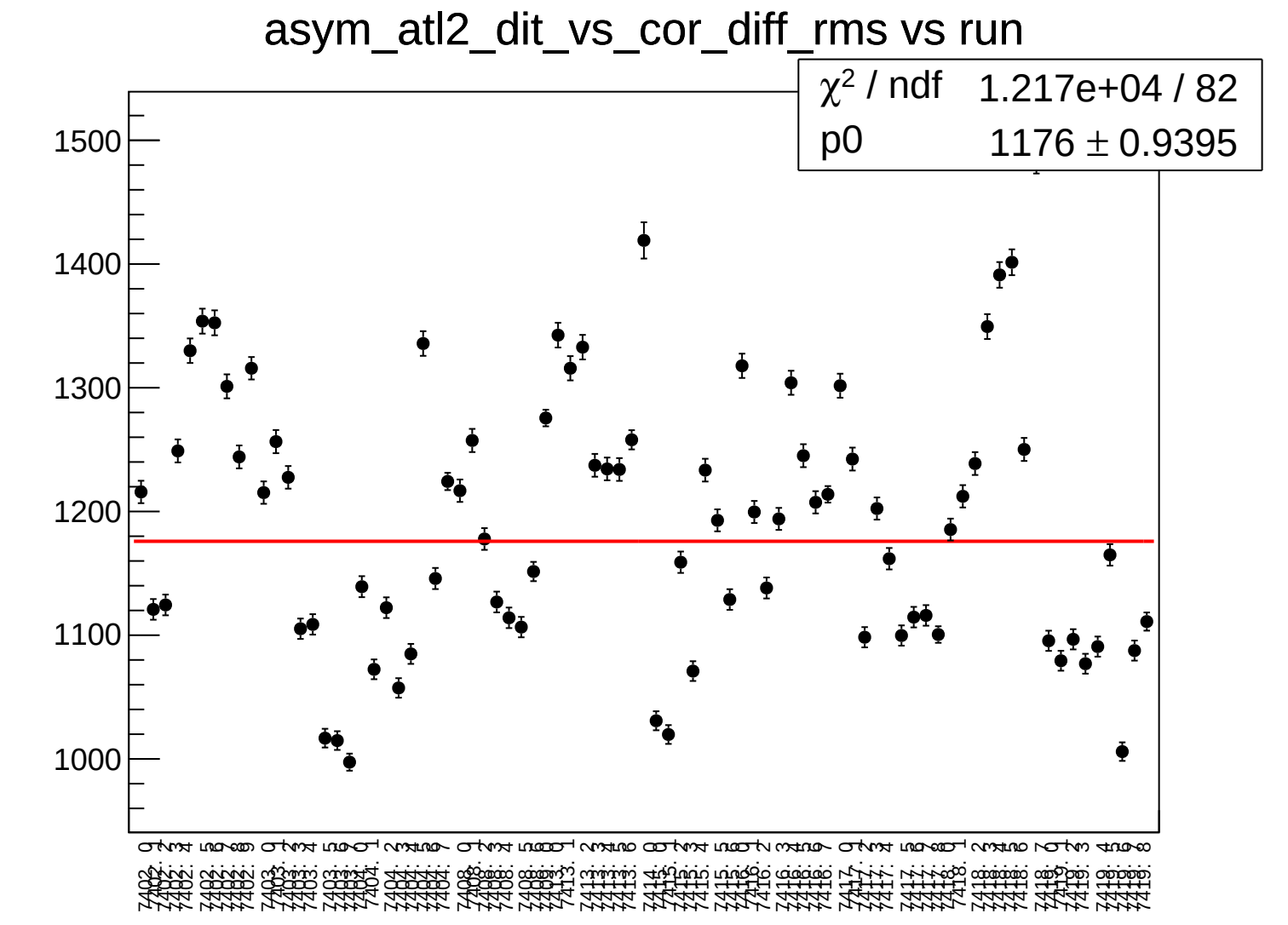

pull1D
Entries 83
Mean 0.001955
Std Dev 0.9811
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

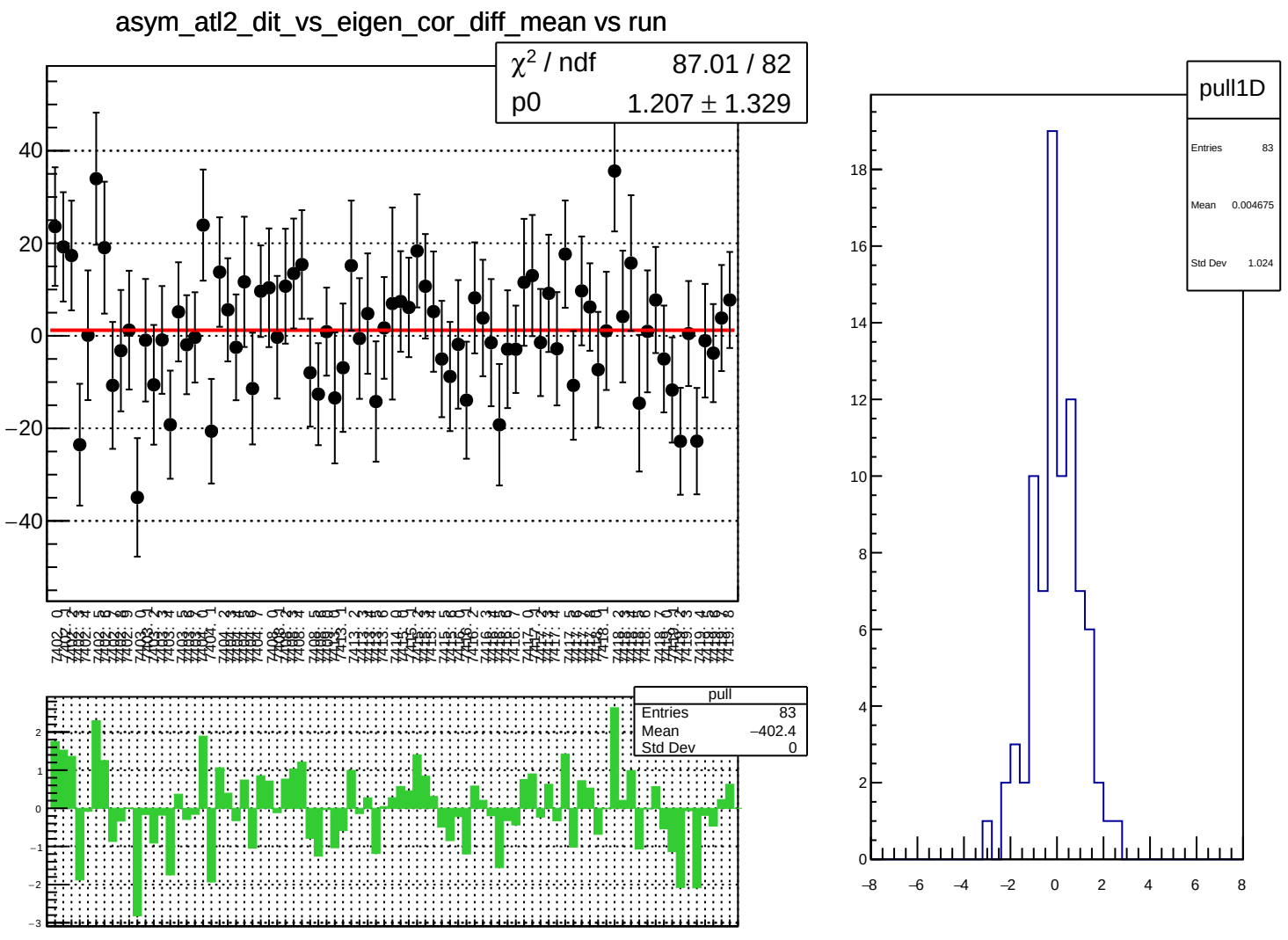

asym_atl2_rms vs run
χ² / ndf 3197 / 82
p0 7907 ± 6.3
9500
9000
8500
8000
7500
7000

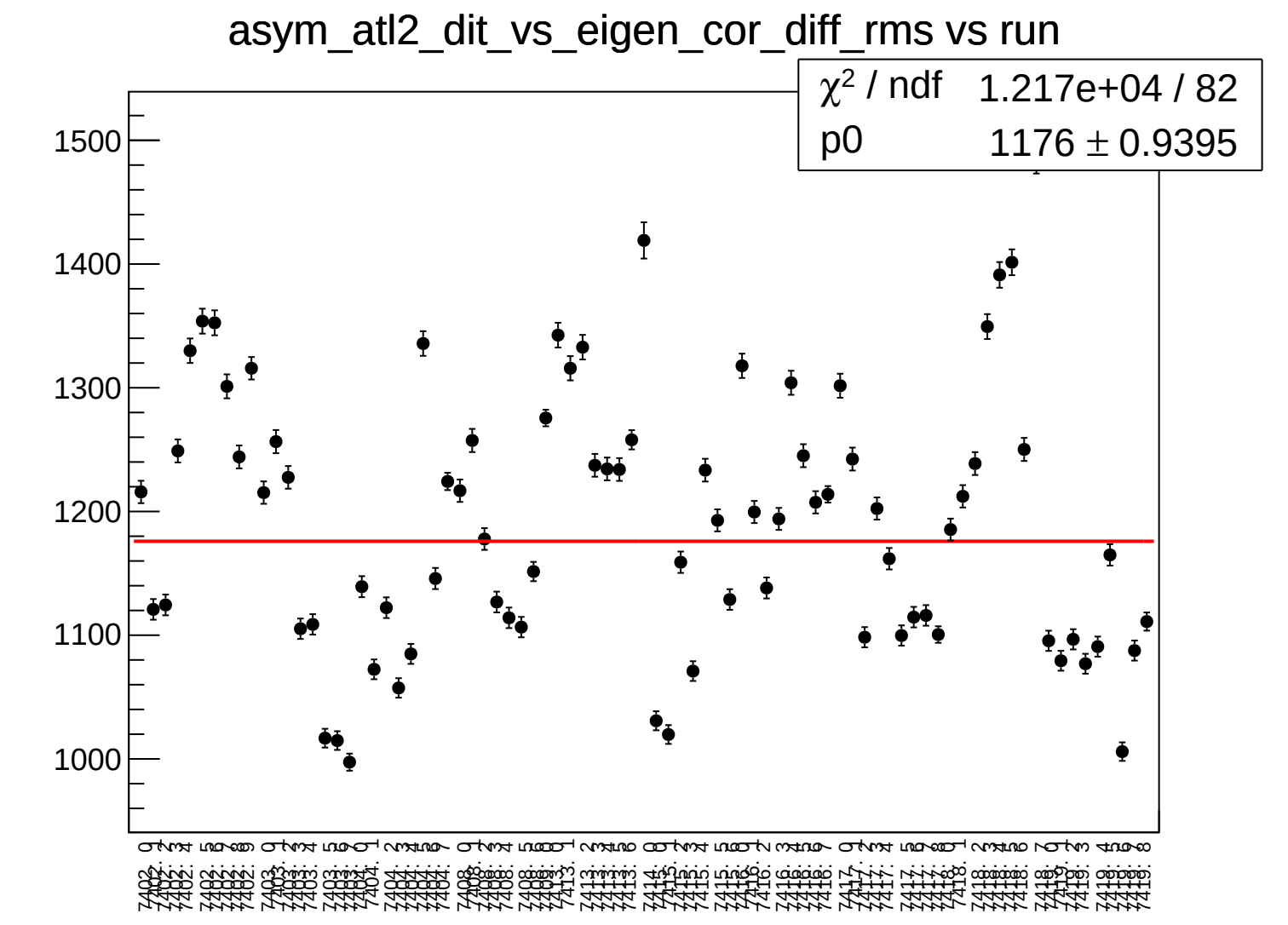

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 84.11 / 82
p0 −9.333e−14 ± 1.604e−13
pull
Entries 83
Mean 63.28
Std Dev 22.83
pull1D
Entries 83
Mean 0.05497
Std Dev 1.005

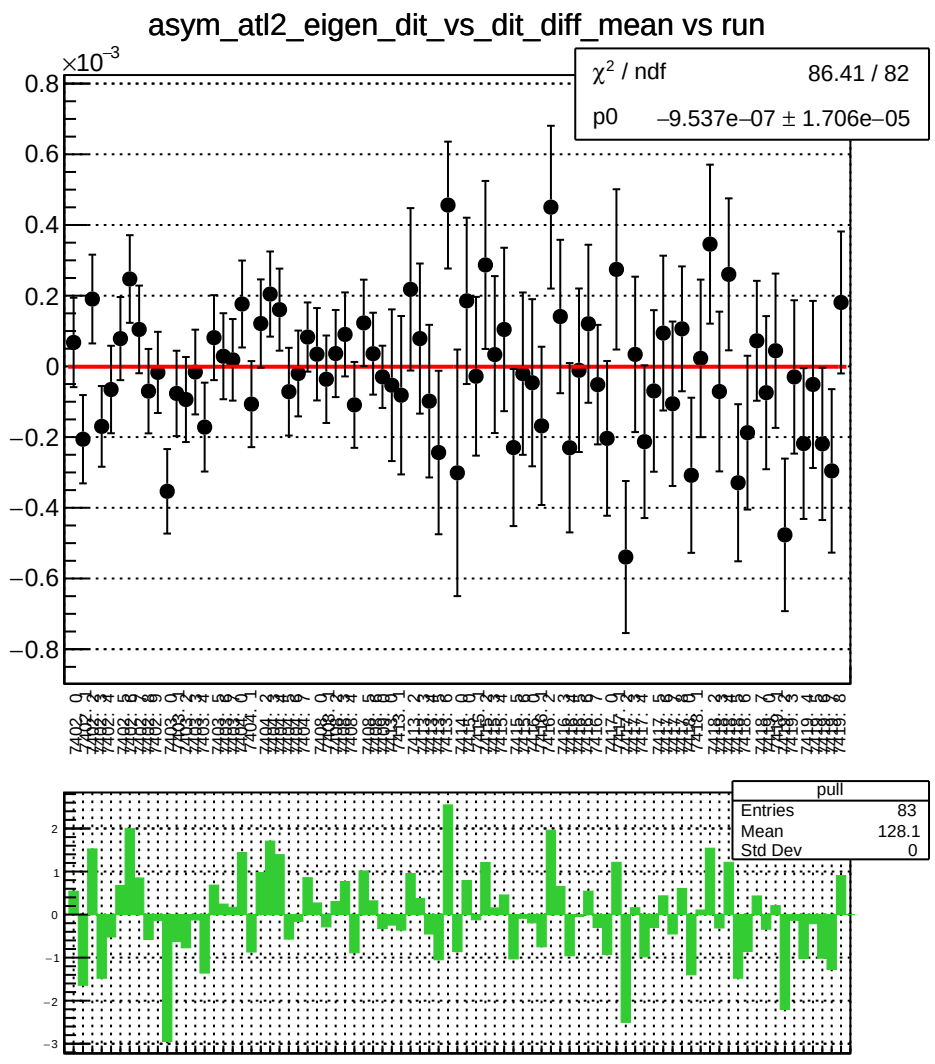

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.34e+06 / 82
p0 5.541e−11 ± 1.134e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

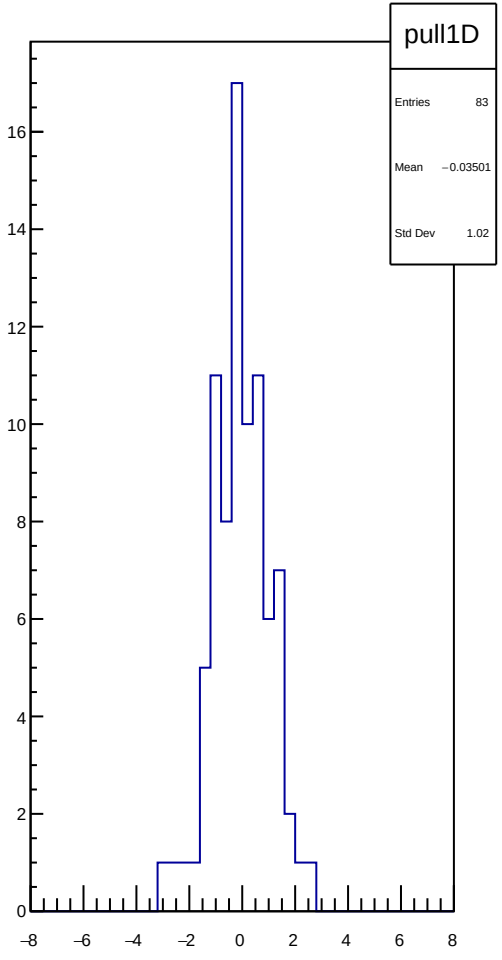

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 87.01 / 82
p0 1.207 ± 1.329
pull
Entries 83
Mean −402.4
Std Dev 0
pull1D
Entries 83
Mean 0.004675
Std Dev 1.024

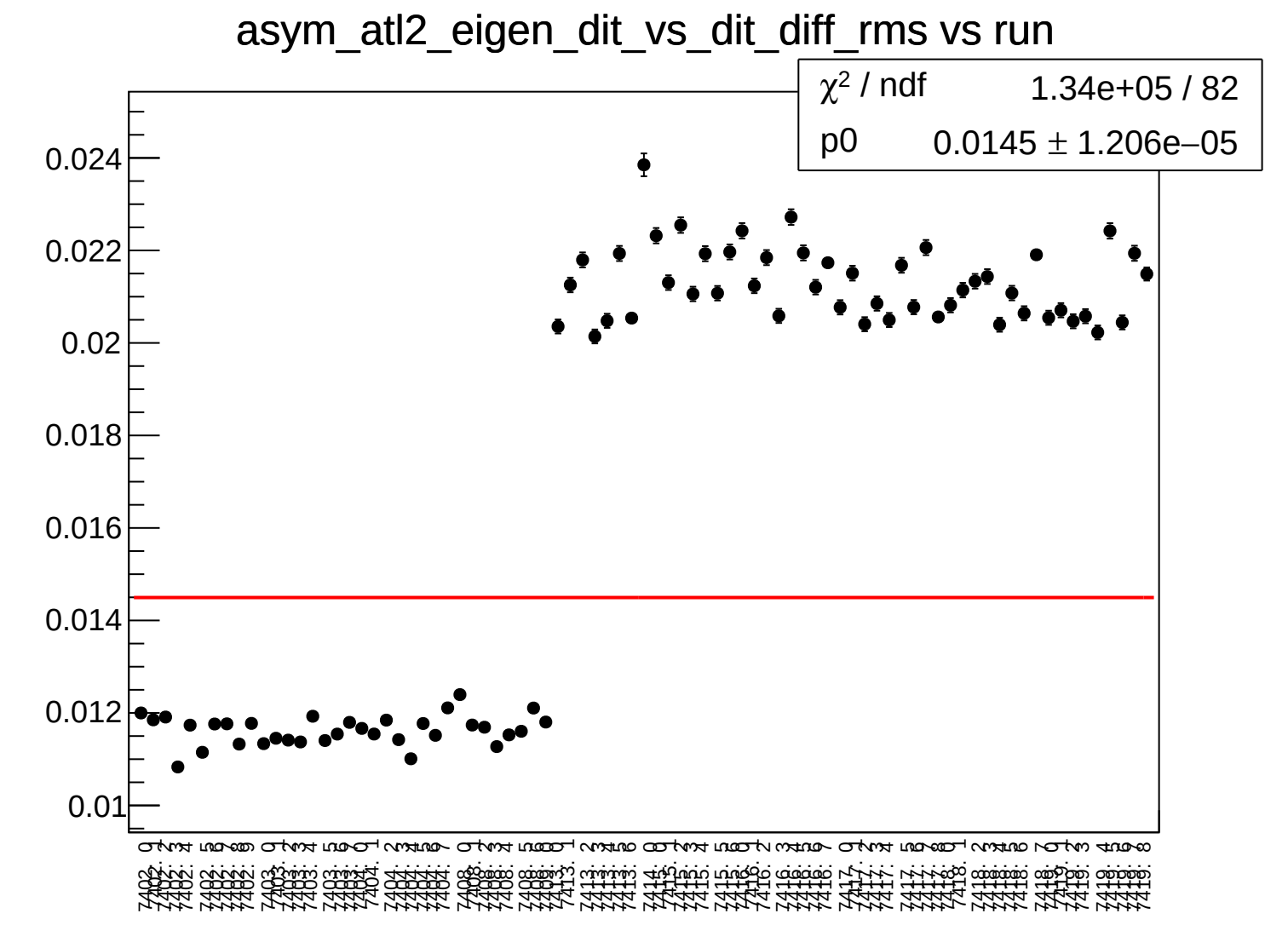

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.217e+04 / 82
p0 1176 ± 0.9395
1500
1400
1300
1200
1100
1000

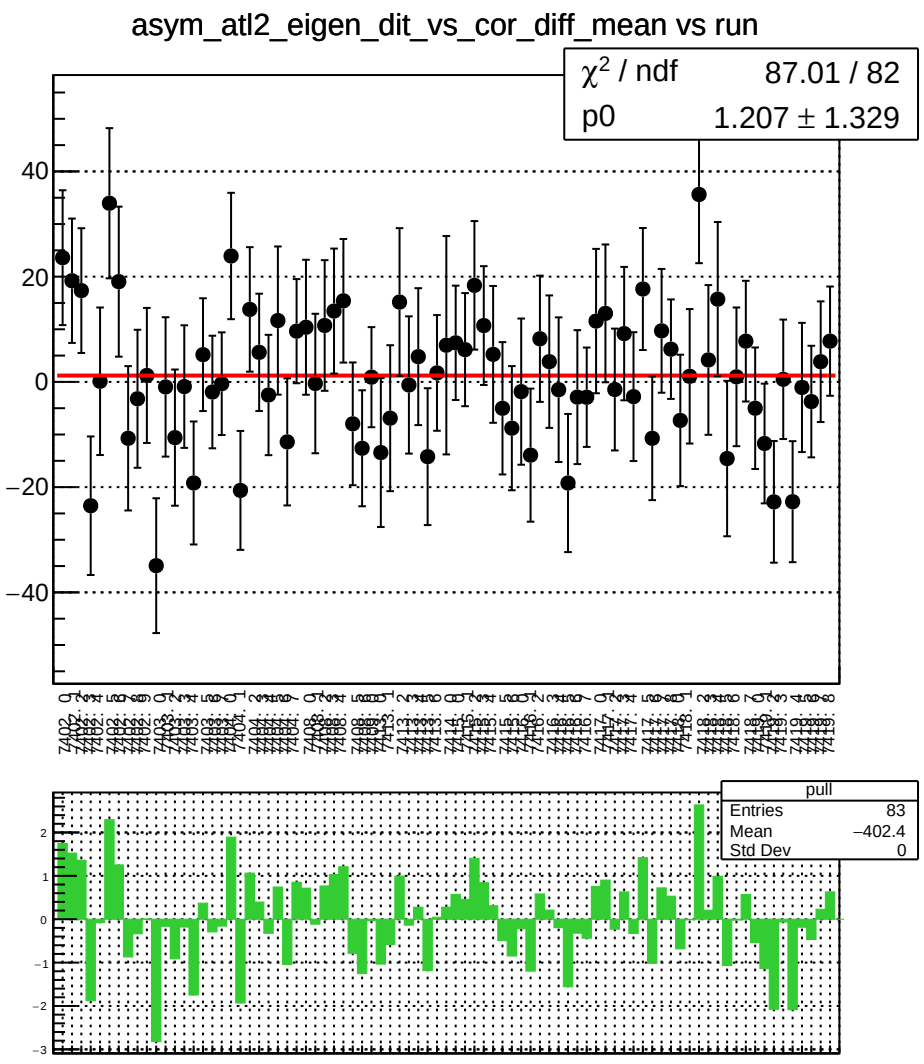

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.01 / 82
p0 1.207 ± 1.329
40
20
0
−20
−40
pull
Entries 83
Mean −402.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.004675
Std Dev 1.024
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

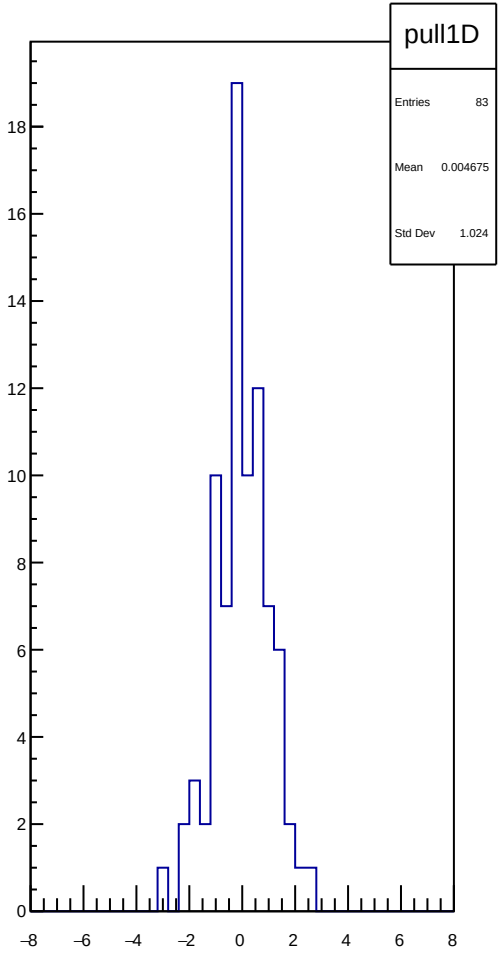

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.217e+04 / 82
p0 1176 ± 0.9395
1500
1400
1300
1200
1100
1000

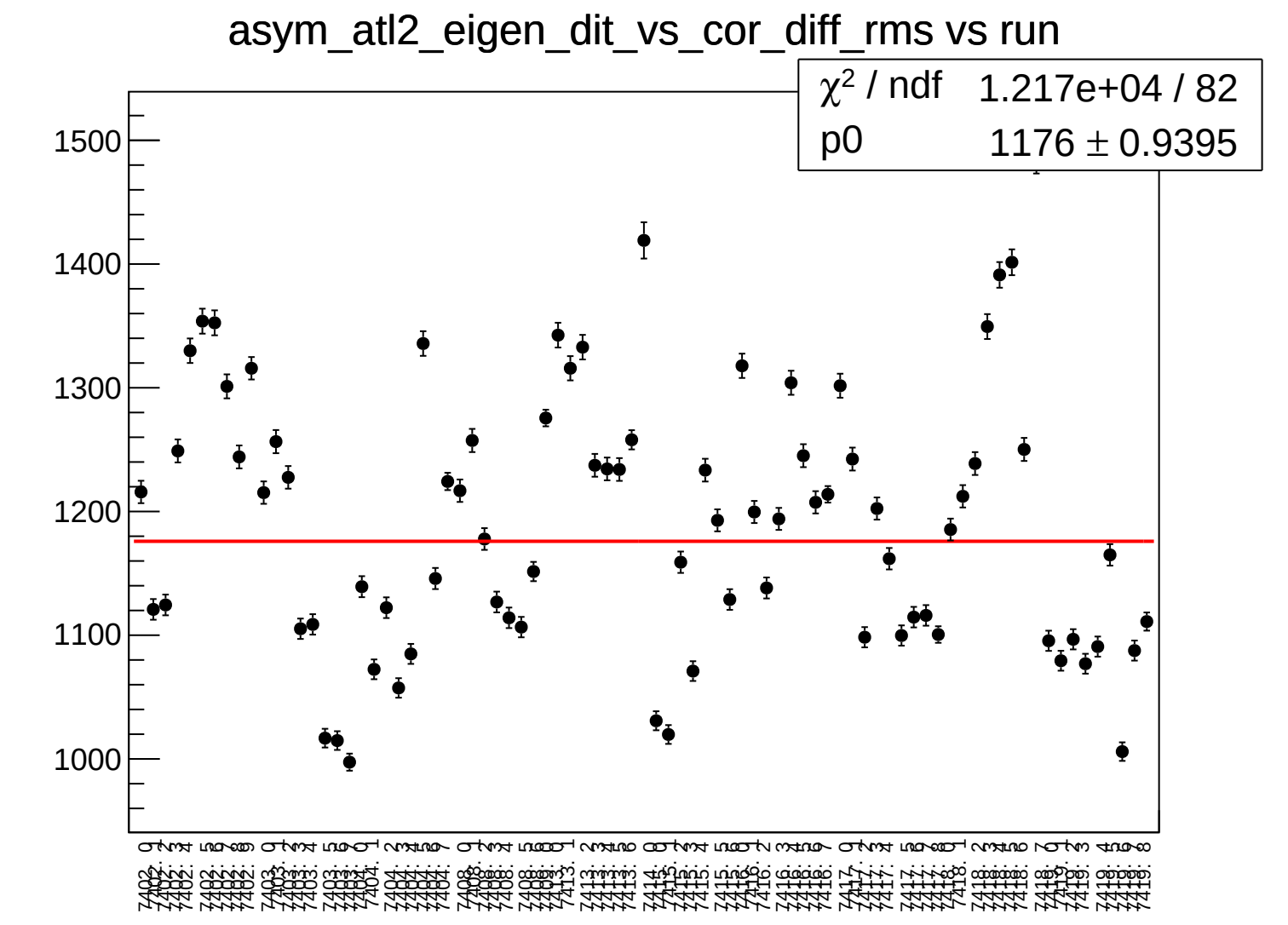

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.41 / 82
p0 −9.537e−07 ± 1.706e−05
pull
Entries 83
Mean 128.1
Std Dev 0

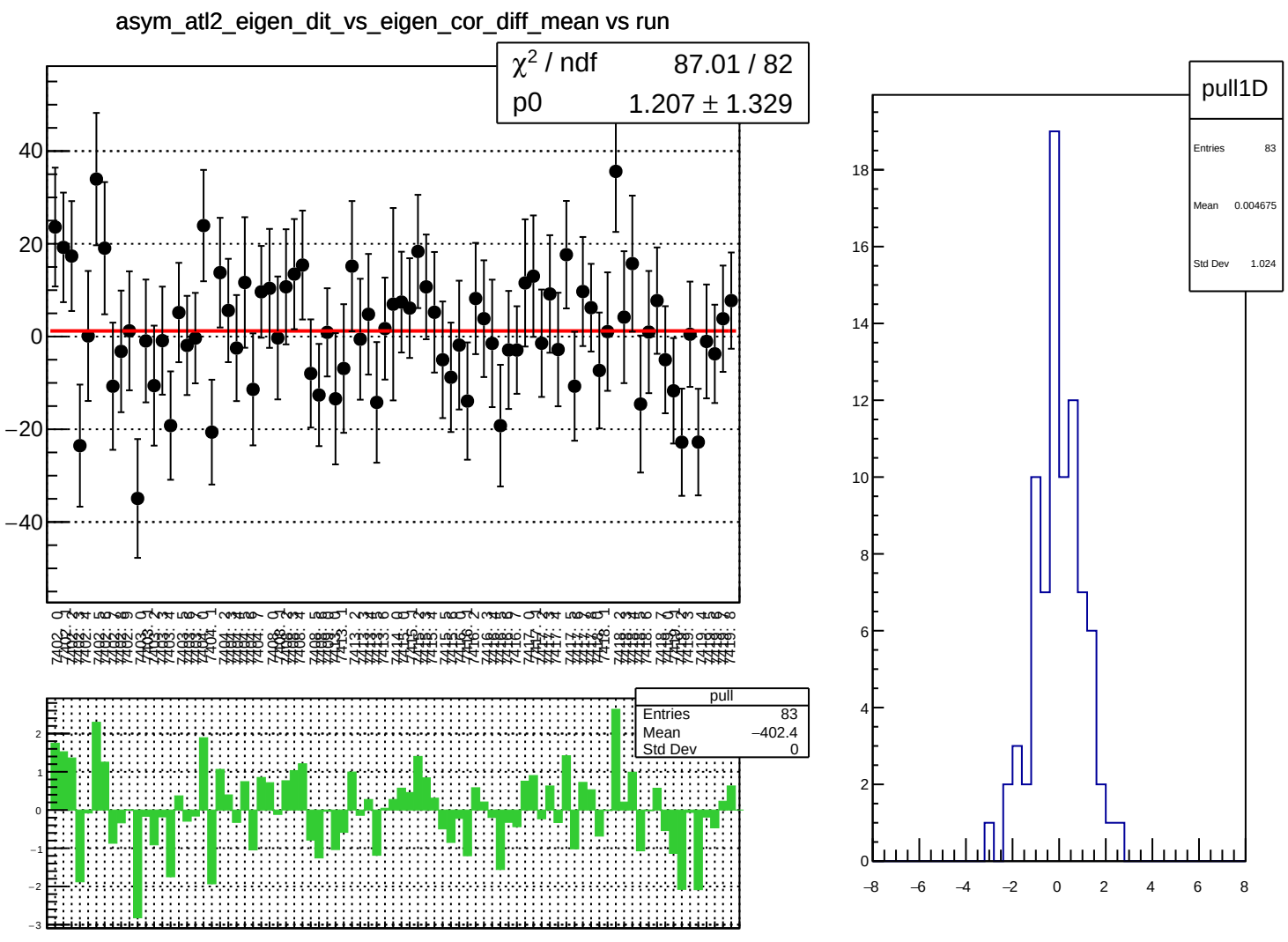

pull1D
Entries 83
Mean −0.03501
Std Dev 1.02

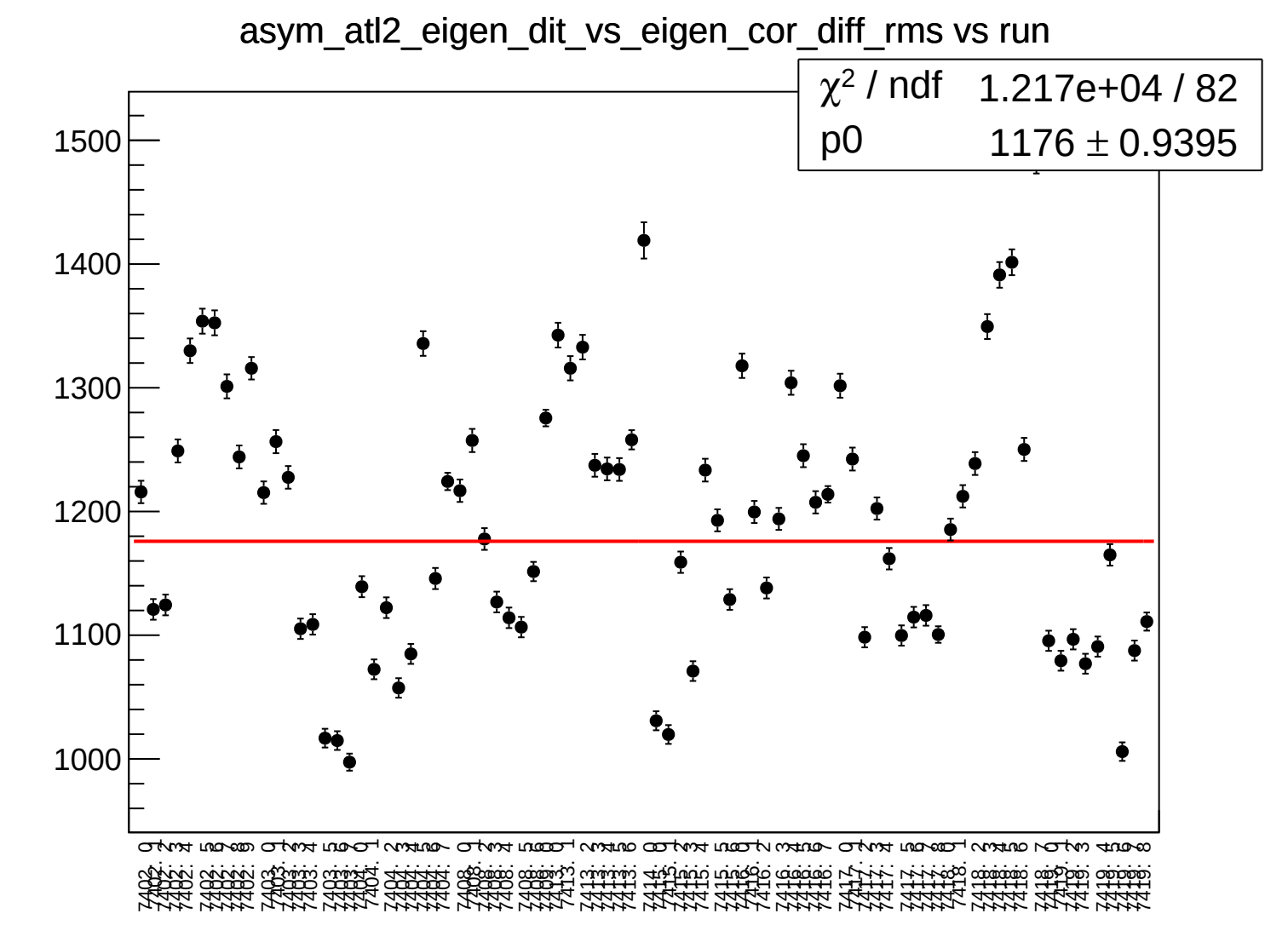

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.34e+05 / 82
p0 0.0145 ± 1.206e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

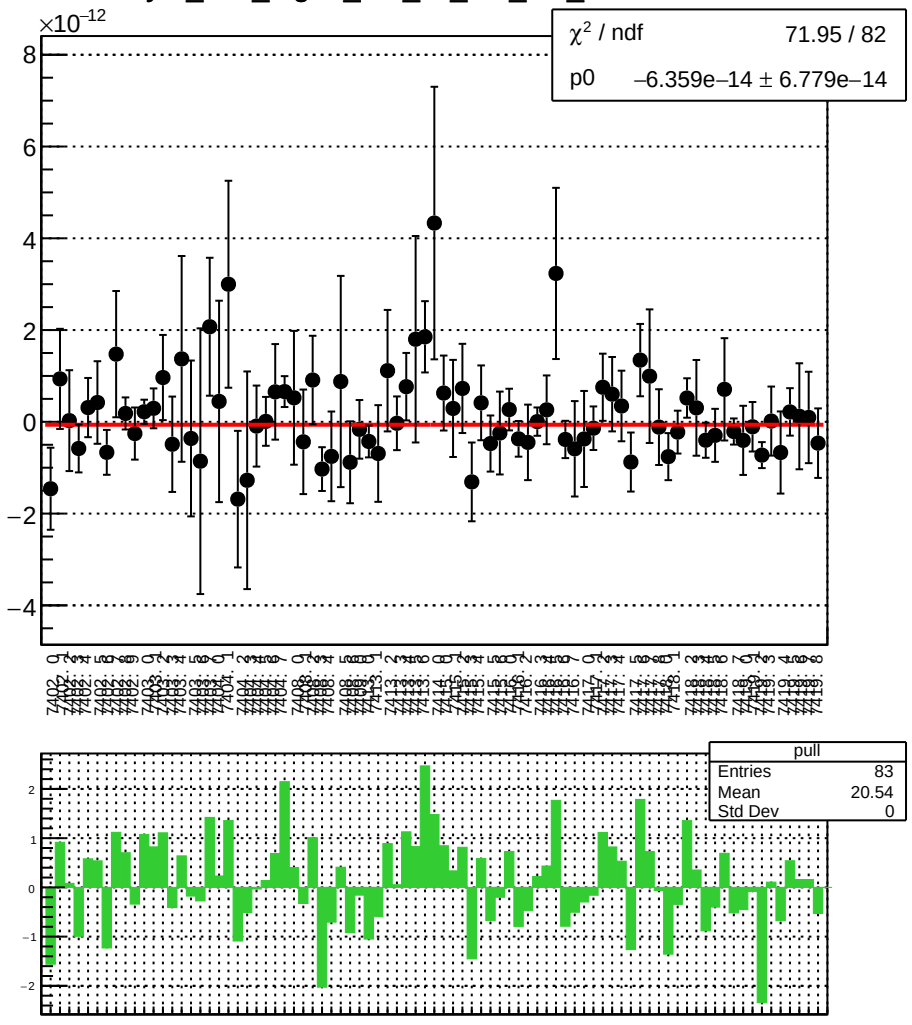

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.01 / 82
p0 1.207 ± 1.329
40
20
0
−20
−40
pull
Entries 83
Mean −402.4
Std Dev 0
2
1
0
−1
−2
−3

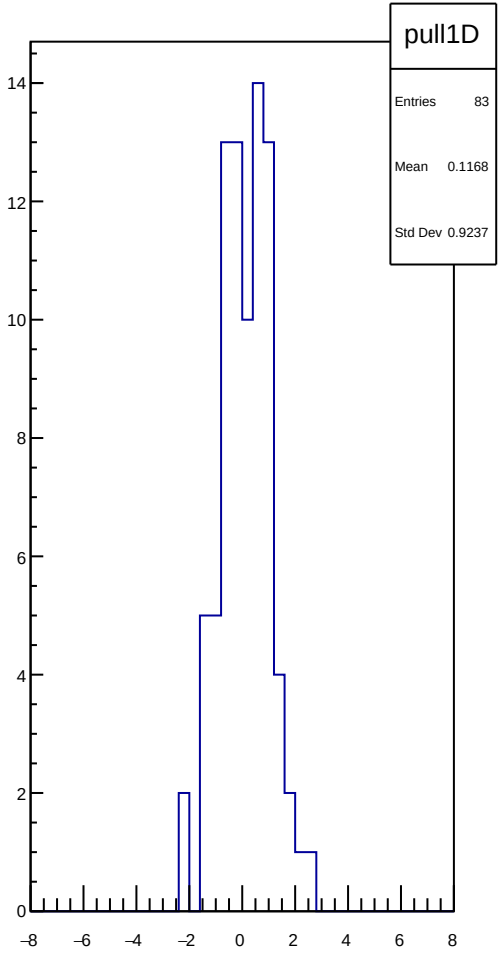

pull1D
Entries 83
Mean 0.004675
Std Dev 1.024
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

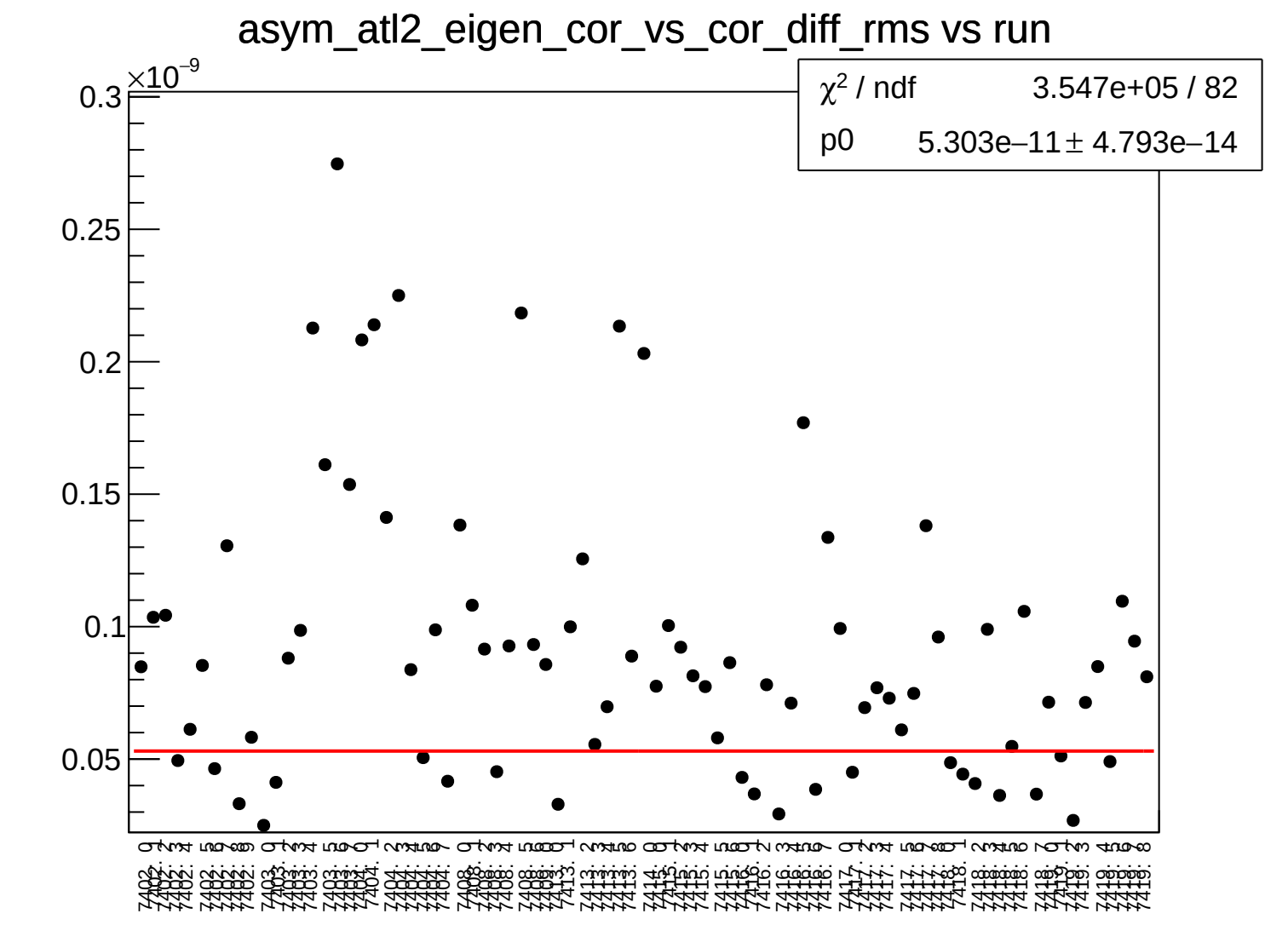

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.217e+04 / 82
p0 1176 ± 0.9395
1500
1400
1300
1200
1100
1000

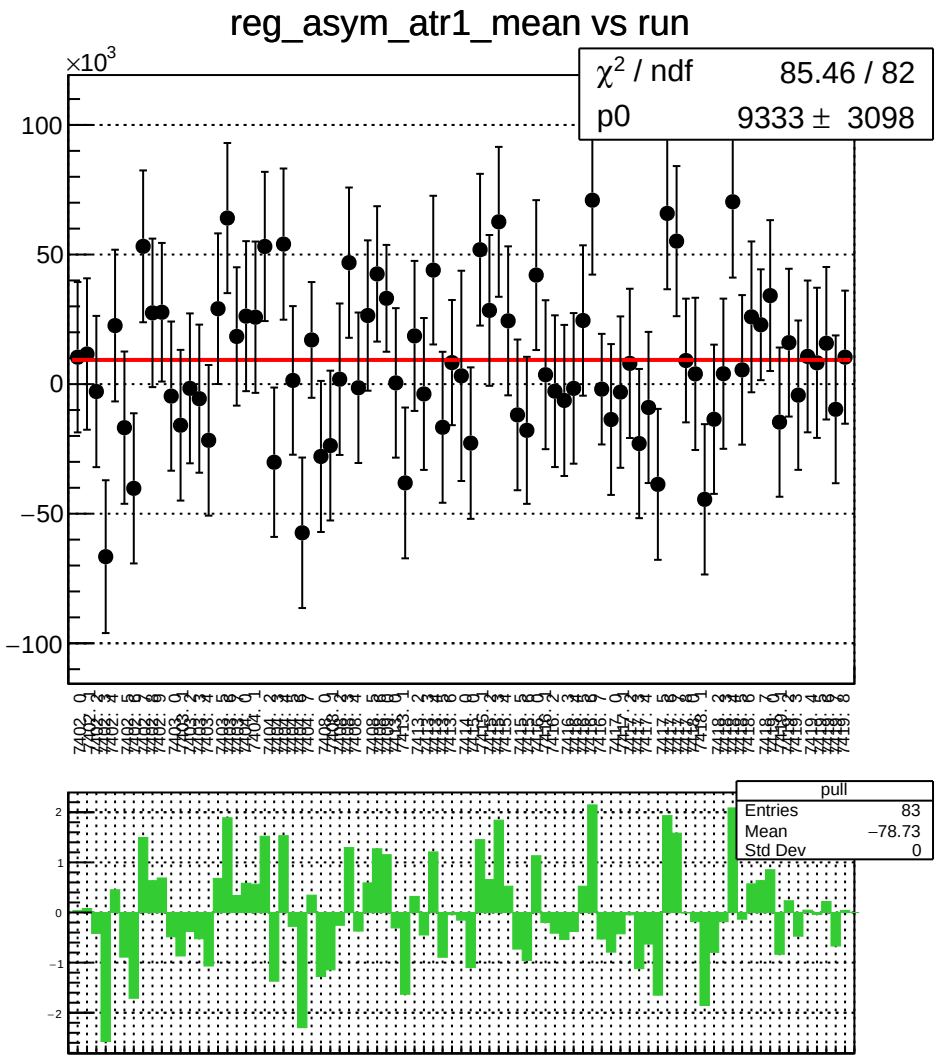

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.01 / 82
p0 1.207 ± 1.329
pull
Entries 83
Mean −402.4
Std Dev 0
pull1D
Entries 83
Mean 0.004675
Std Dev 1.024

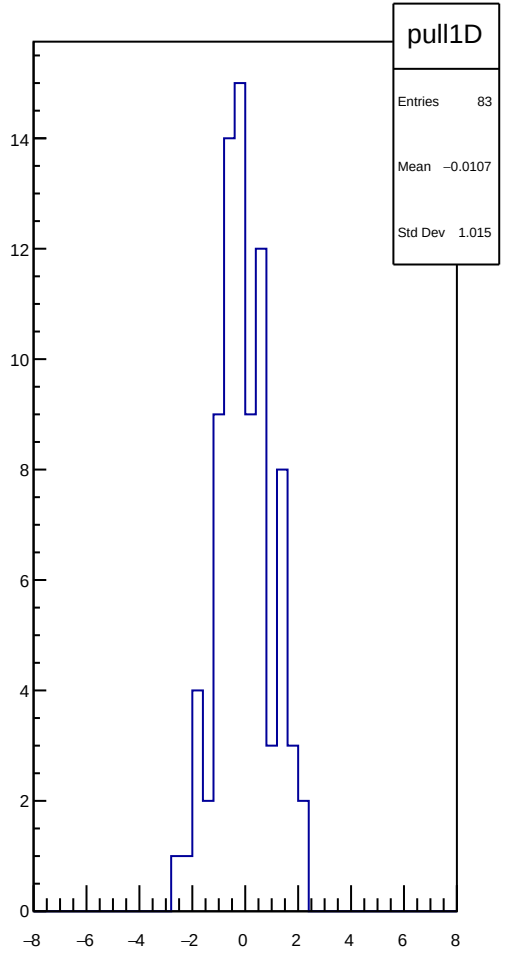

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.217e+04 / 82
p0 1176 ± 0.9395
1500
1400
1300
1200
1100
1000

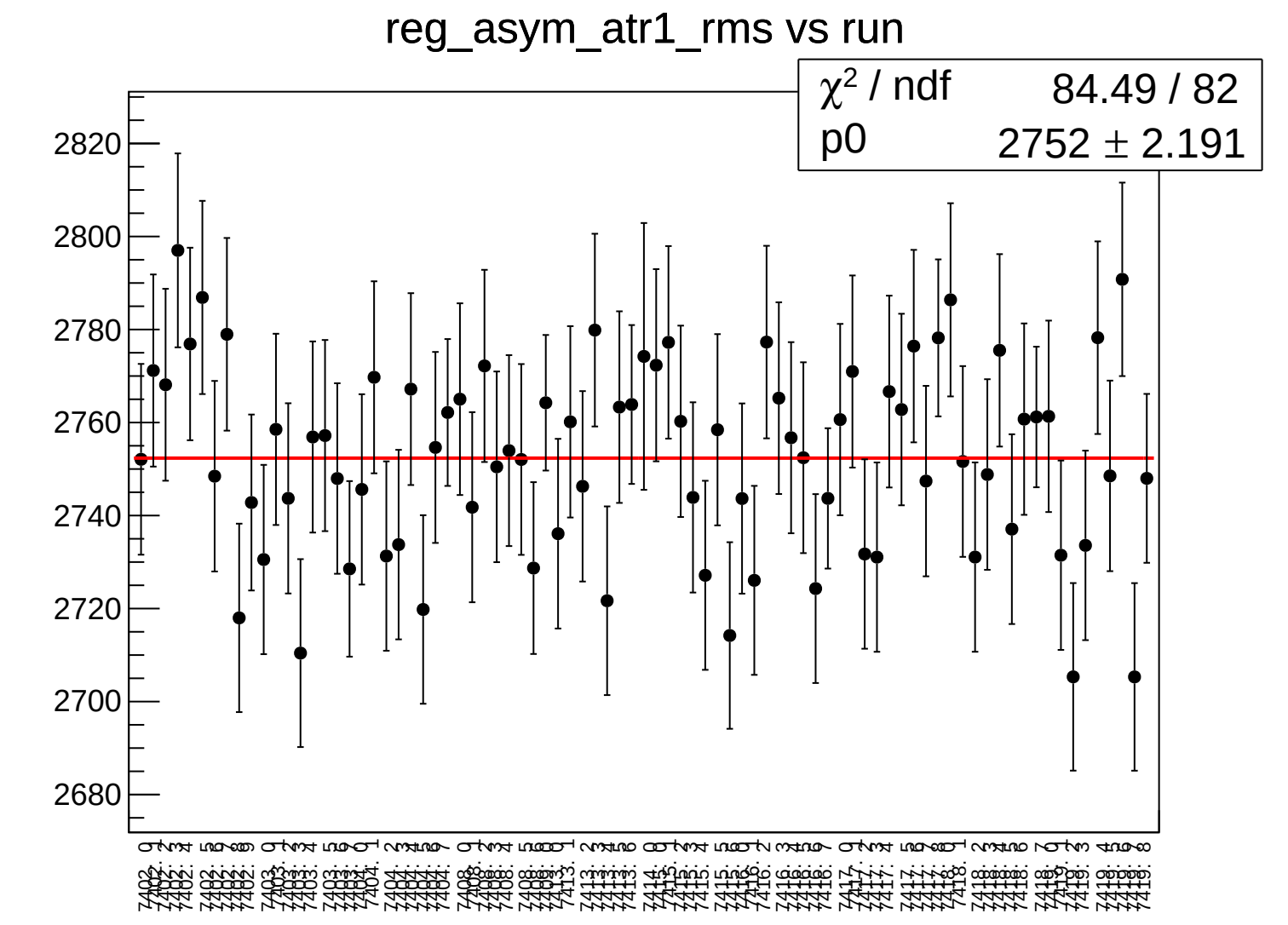

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.95 / 82
p0 −6.359e−14 ± 6.779e−14
pull
Entries 83
Mean 20.54
Std Dev 0

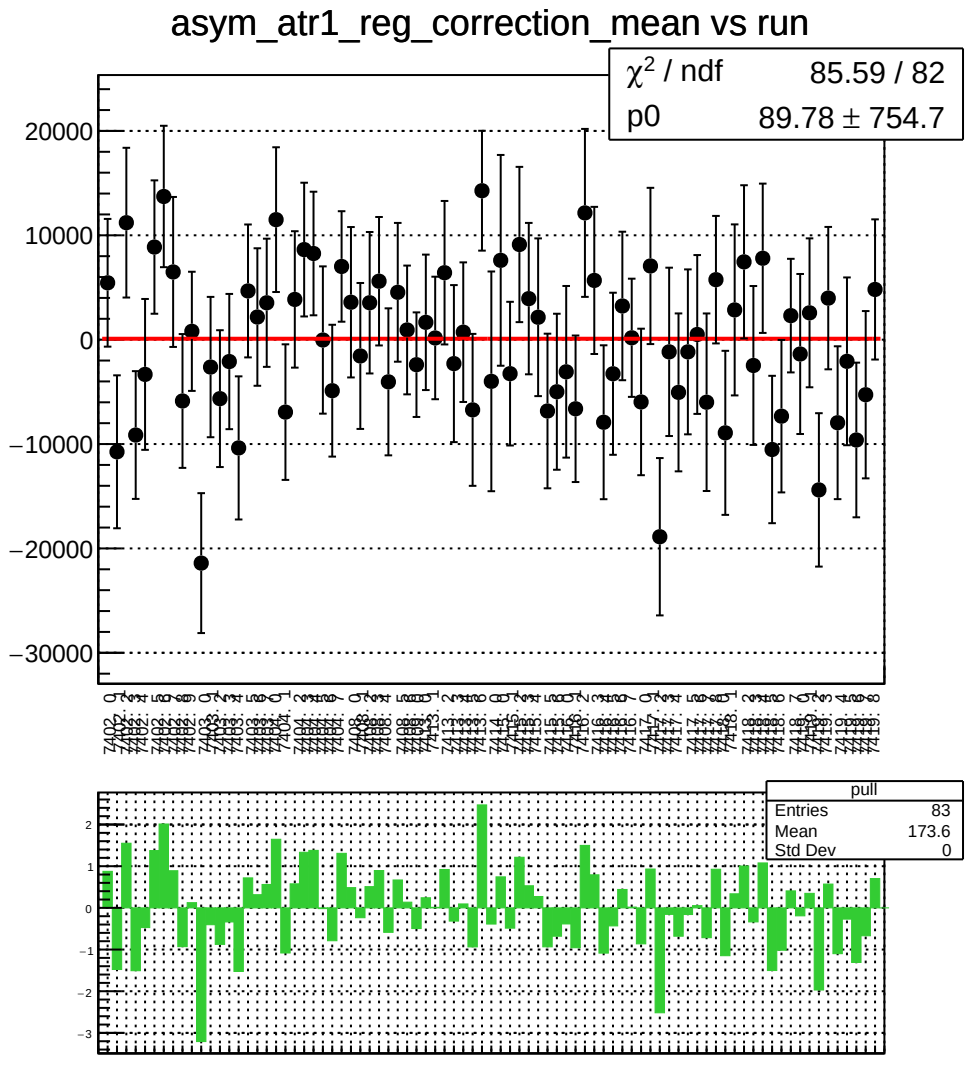

pull1D
Entries 83
Mean 0.1168
Std Dev 0.9237

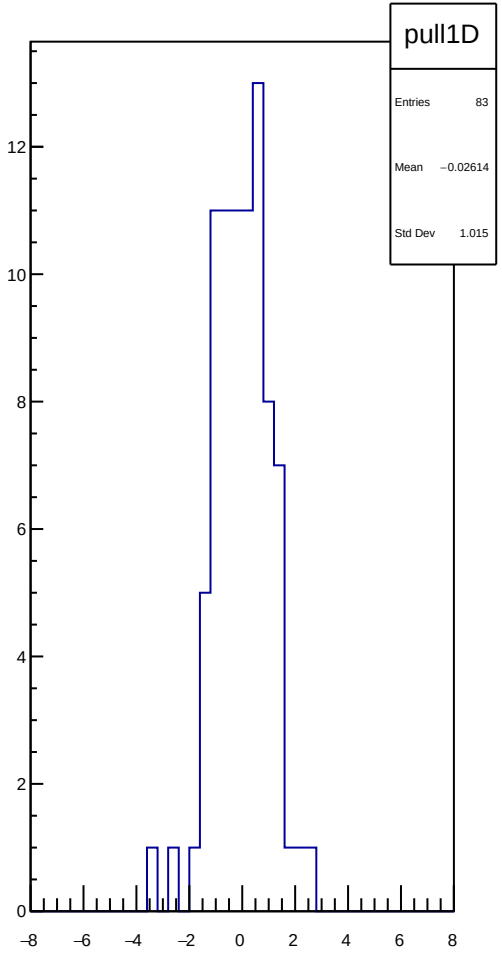

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 3.547e+05 / 82
p0 5.303e−11 ± 4.793e−14


reg_asym_atr1_mean vs run
×10^3
χ² / ndf 85.46 / 82
p0 9333 ± 3098
100
50
0
−50
−100
pull
Entries 83
Mean −78.73
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.0107
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_rms vs run
χ² / ndf 84.49 / 82
p0 2752 ± 2.191
2820
2800
2780
2760
2740
2720
2700
2680


asym_atr1_reg_correction_mean vs run
χ² / ndf 85.59 / 82
p0 89.78 ± 754.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 173.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 83
Mean −0.02614
Std Dev 1.015
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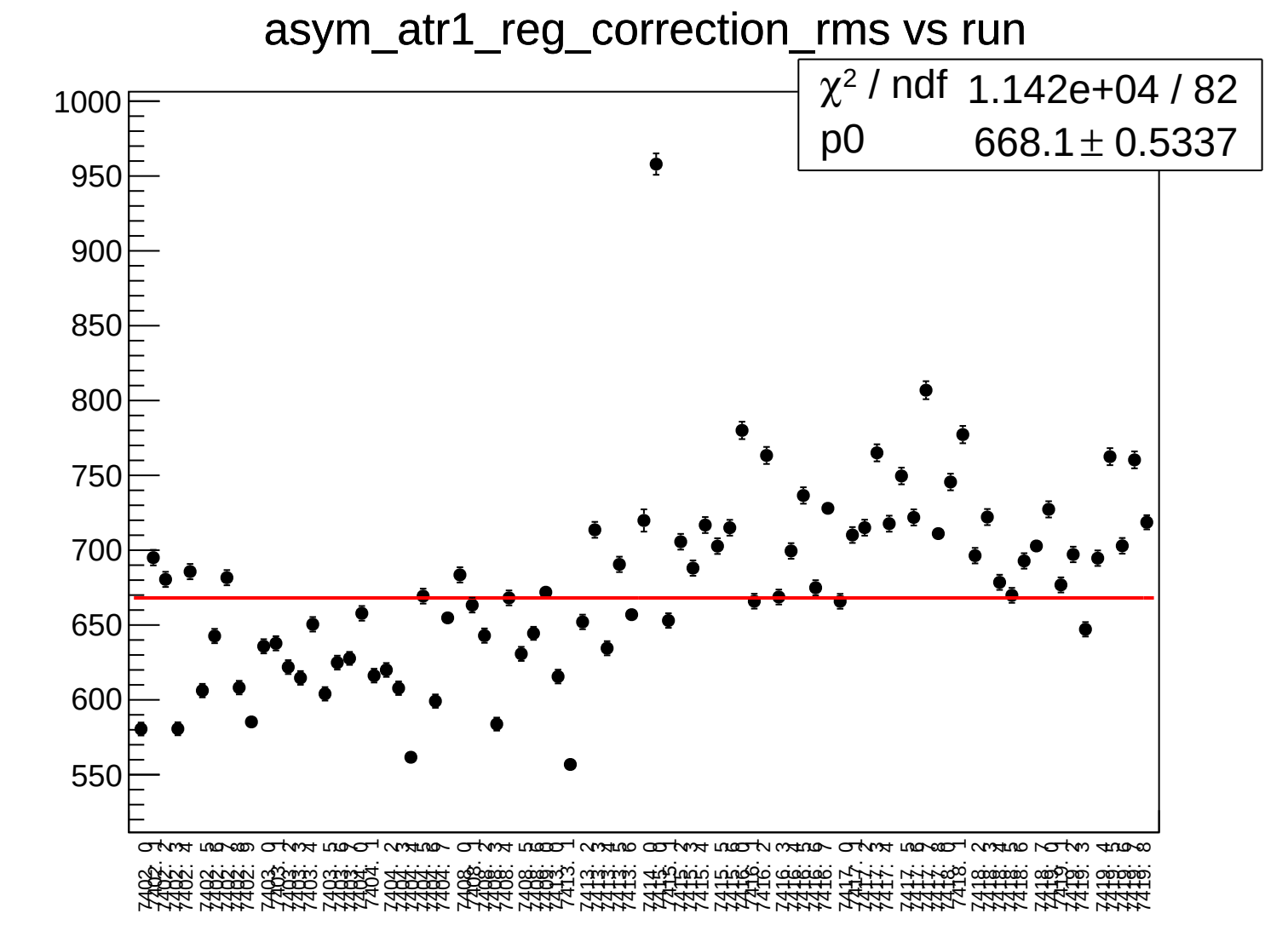
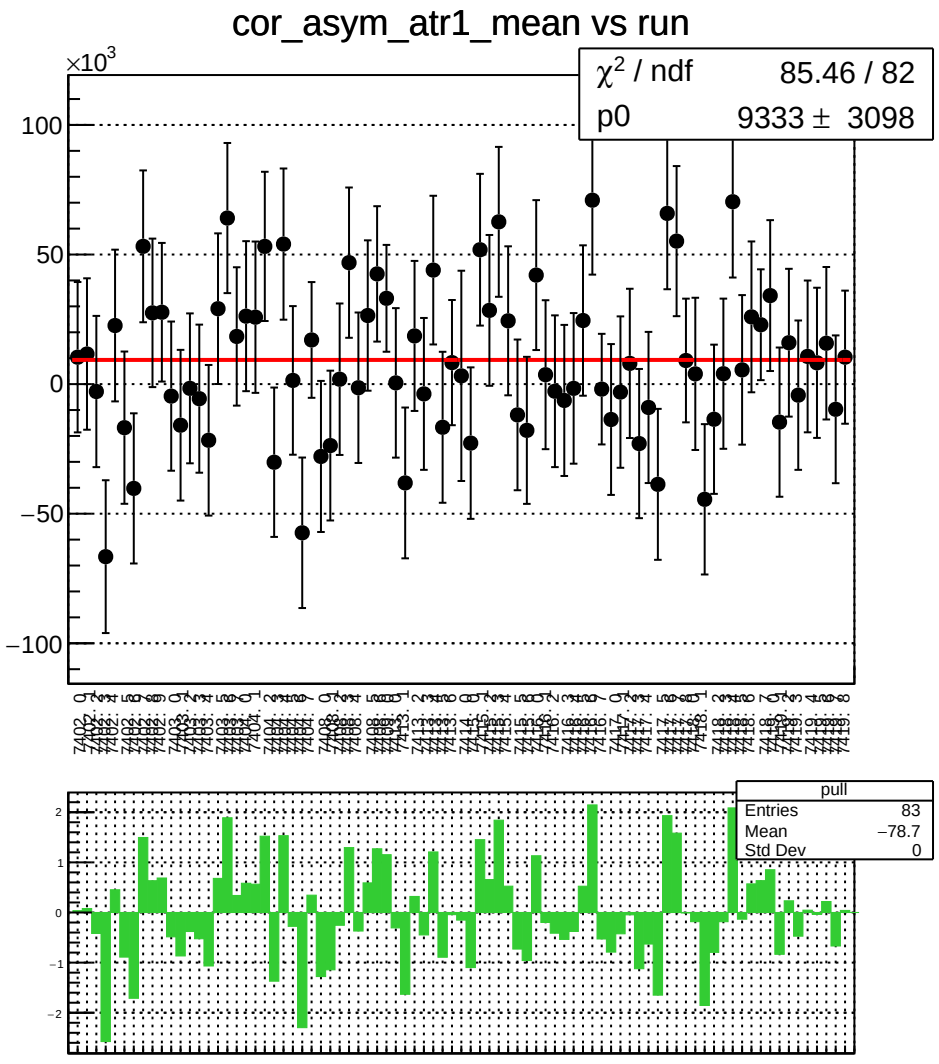
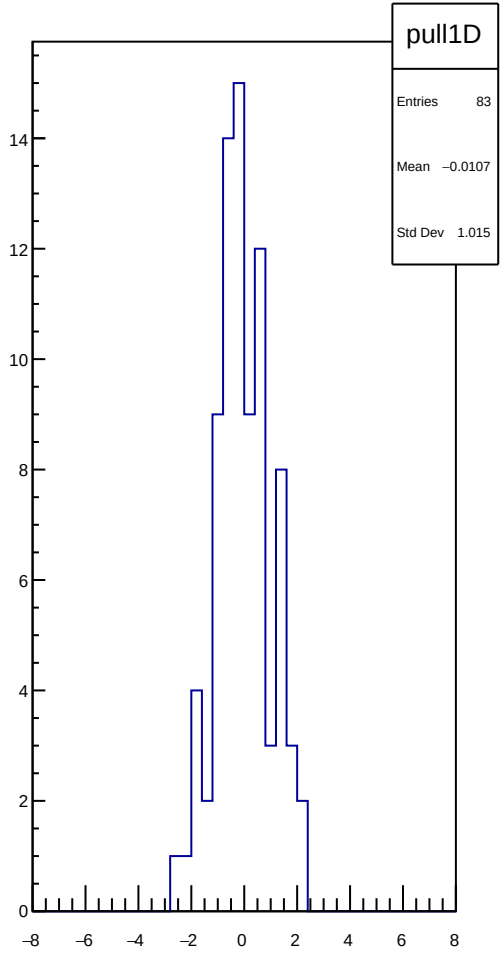
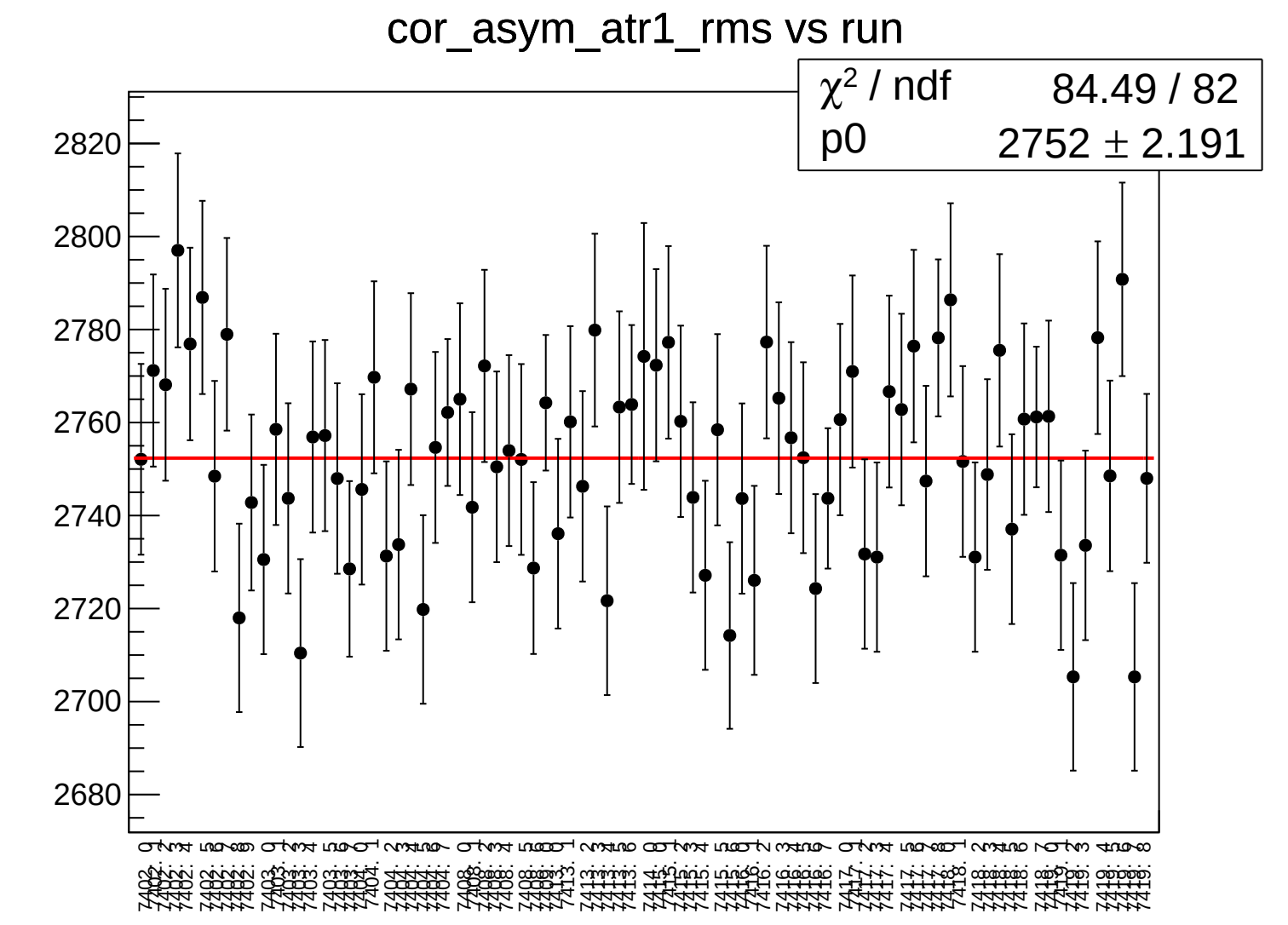
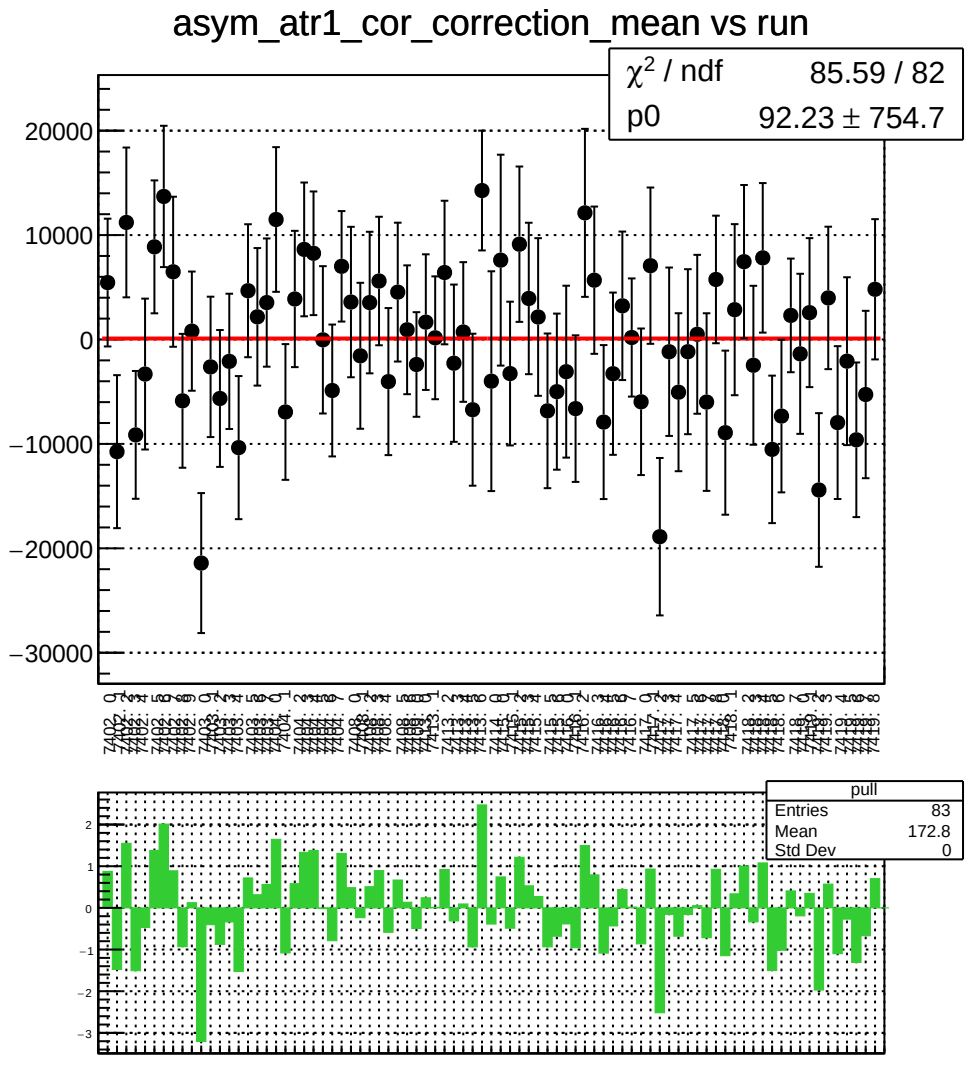
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_reg_correction_rms vs run
χ² / ndf 1.142e+04 / 82
p0 668.1 ± 0.5337
1000
950
900
850
800
750
700
650
600
550


cor_asym_atr1_mean vs run
×10^3
χ² / ndf 85.46 / 82
p0 9333 ± 3098
100
50
0
−50
−100
pull
Entries 83
Mean −78.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.0107
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1_rms vs run
χ² / ndf 84.49 / 82
p0 2752 ± 2.191
2820
2800
2780
2760
2740
2720
2700
2680


asym_atr1_cor_correction_mean vs run
χ² / ndf 85.59 / 82
p0 92.23 ± 754.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 172.8
Std Dev 0
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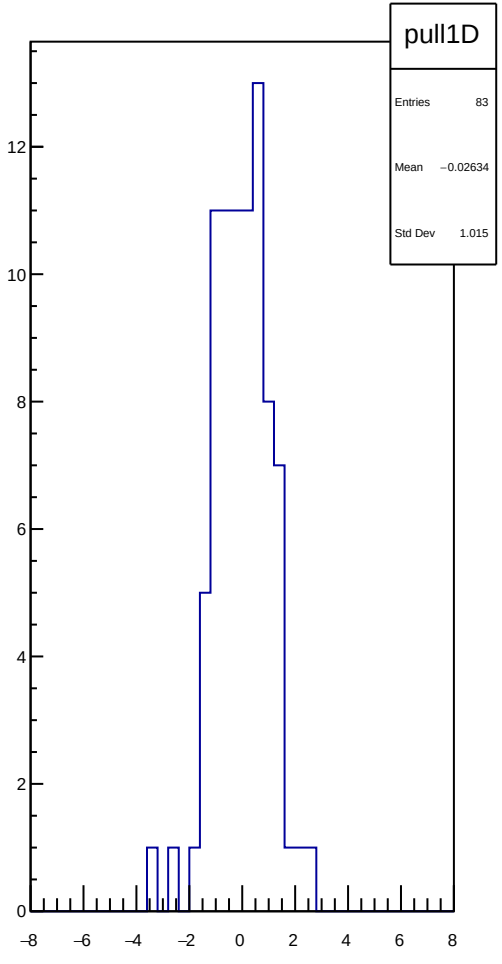
1
0
−1
−2
−3


pull1D
Entries 83
Mean −0.02634
Std Dev 1.015
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10
8
6
4
2
0
−8
−6
−4
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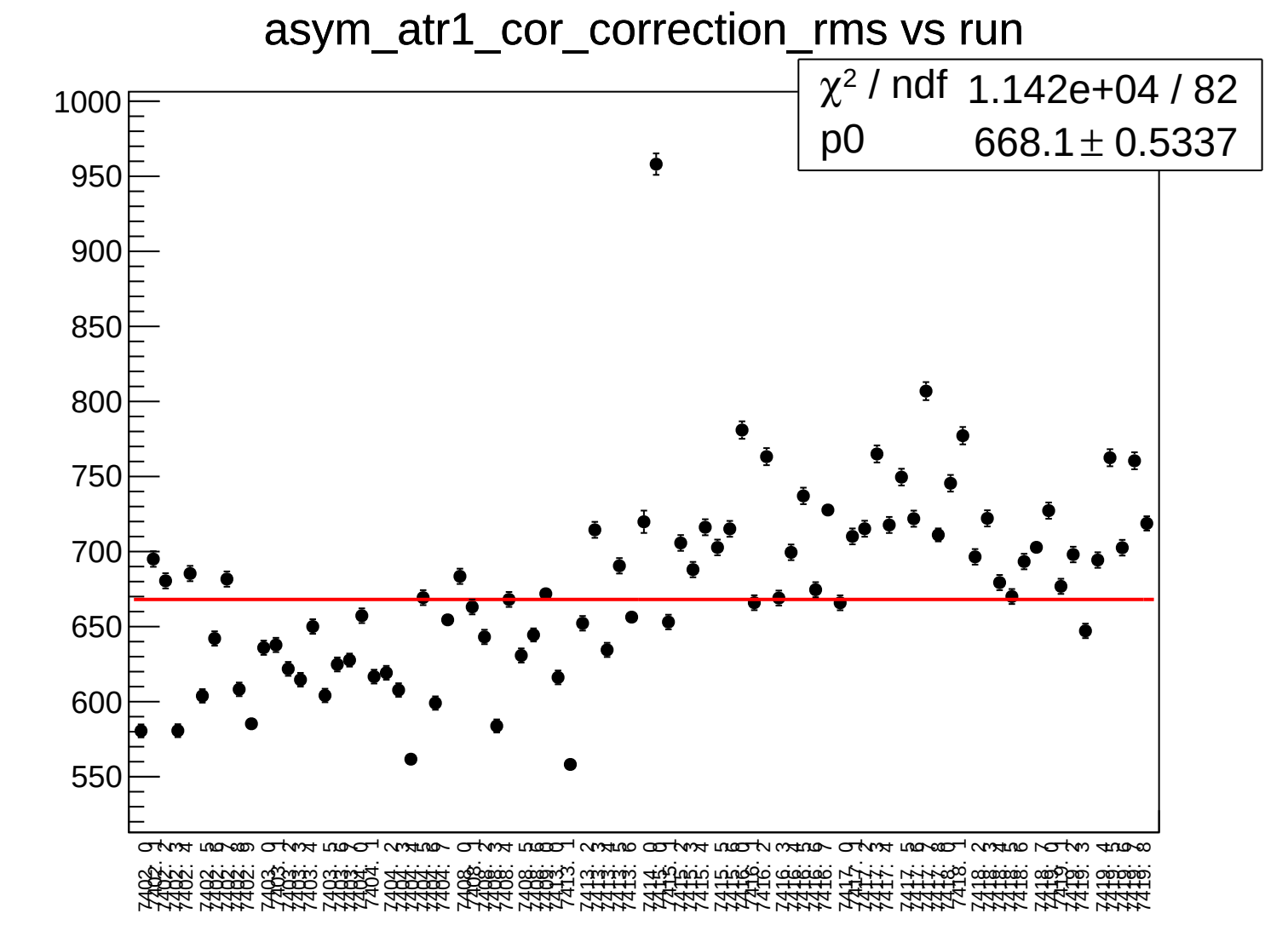
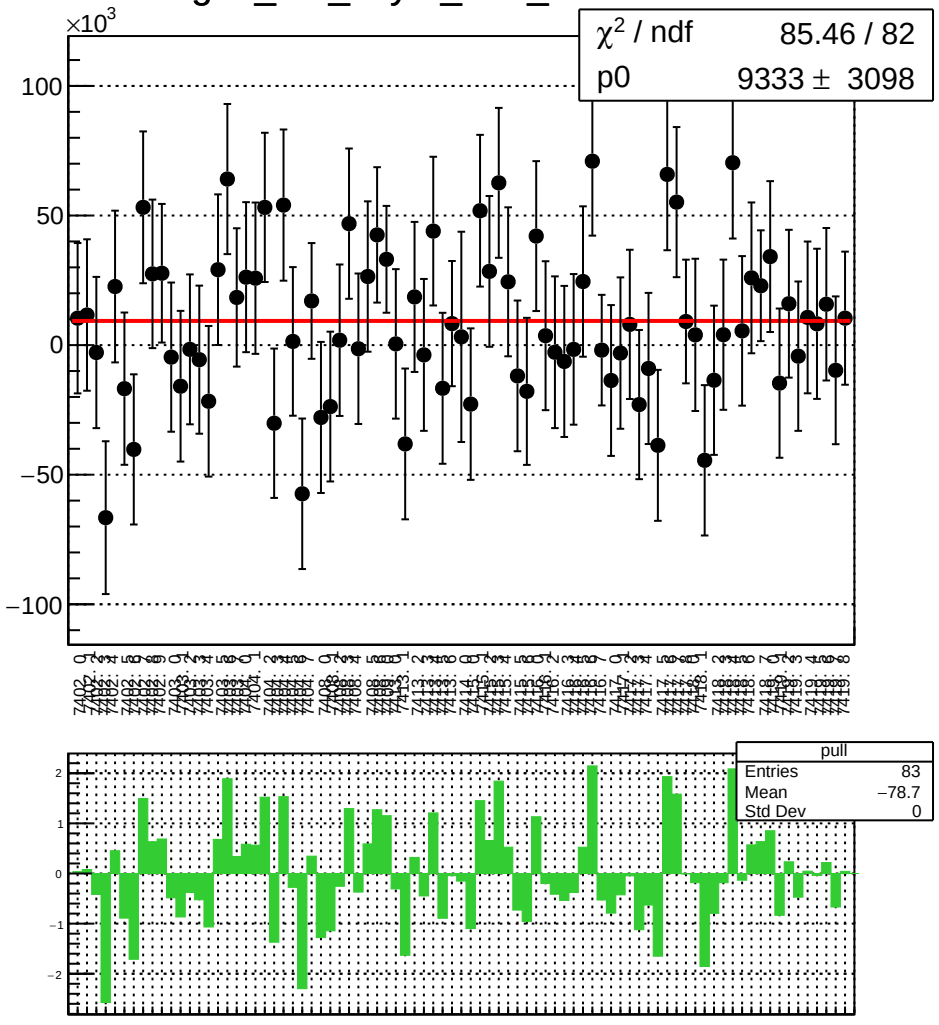
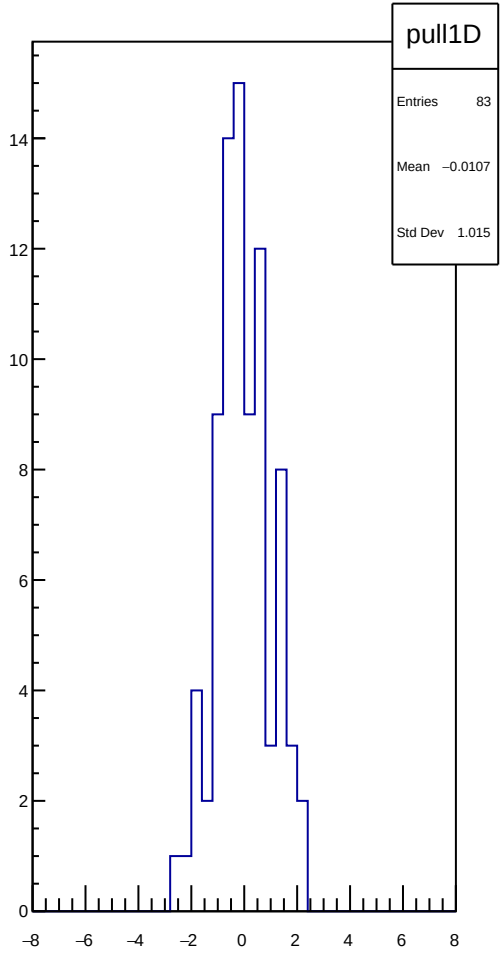
2
4
6
8


asym_atr1_cor_correction_rms vs run
χ² / ndf 1.142e+04 / 82
p0 668.1 ± 0.5337
1000
950
900
850
800
750
700
650
600
550


eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 85.46 / 82
p0 9333 ± 3098
100
50
0
−50
−100
pull
Entries 83
Mean −78.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.0107
Std Dev 1.015
14
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10
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6
4
2
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−8
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−4
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2
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6
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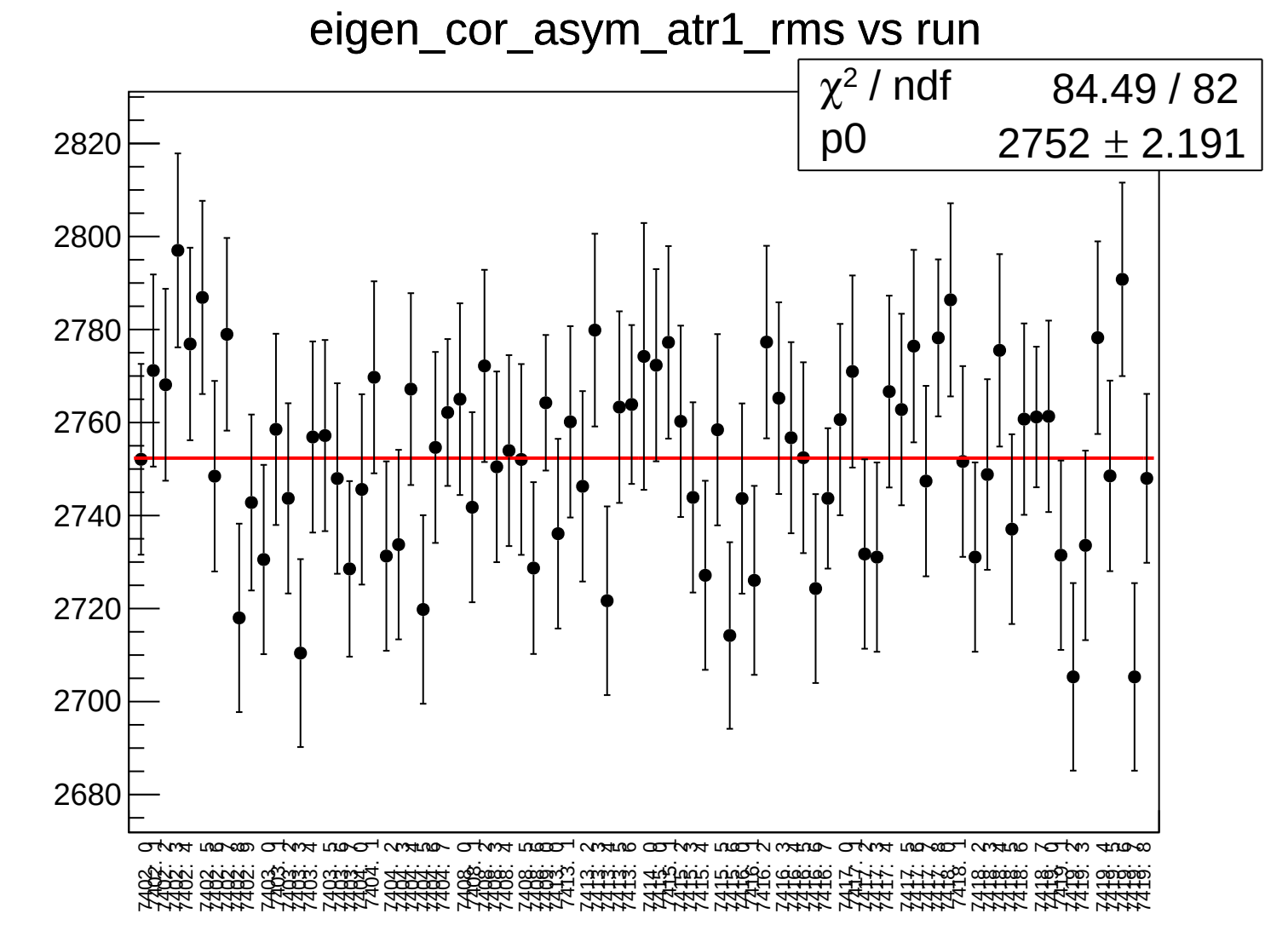
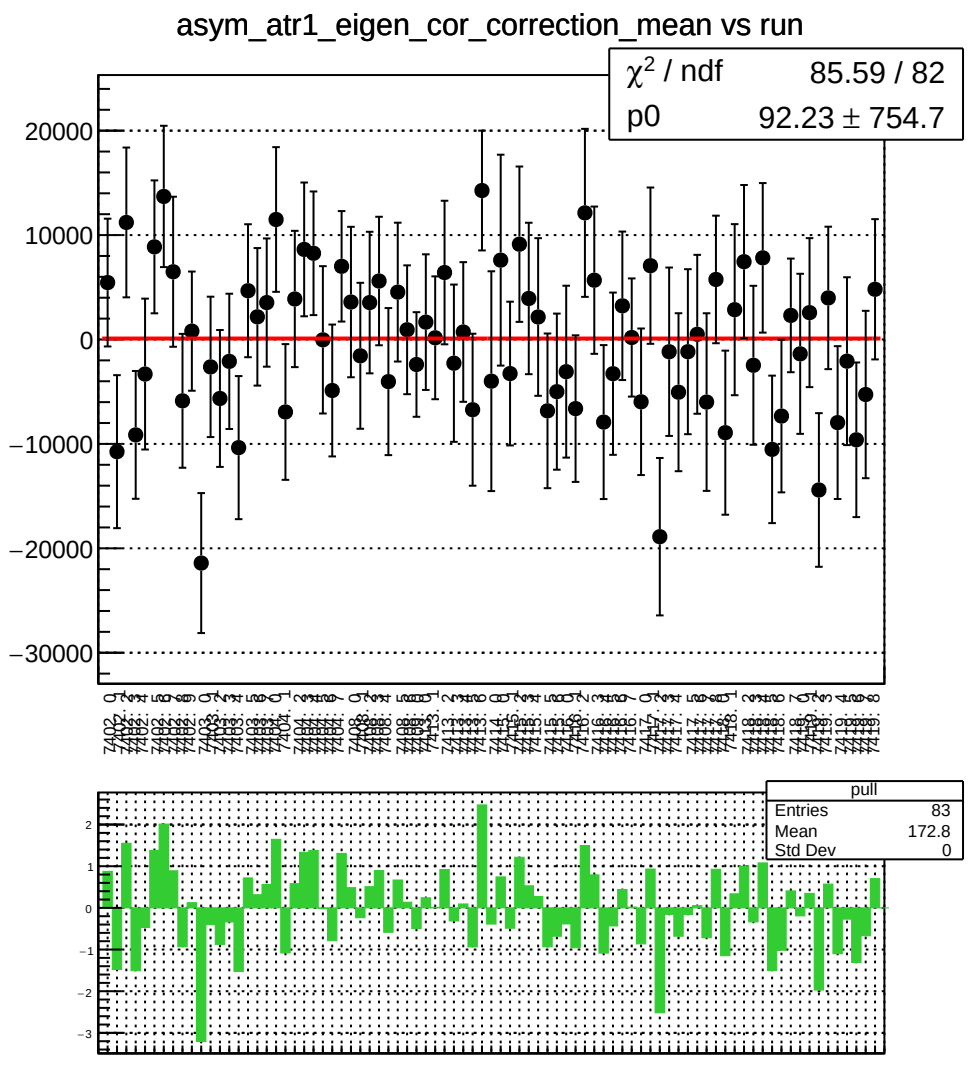
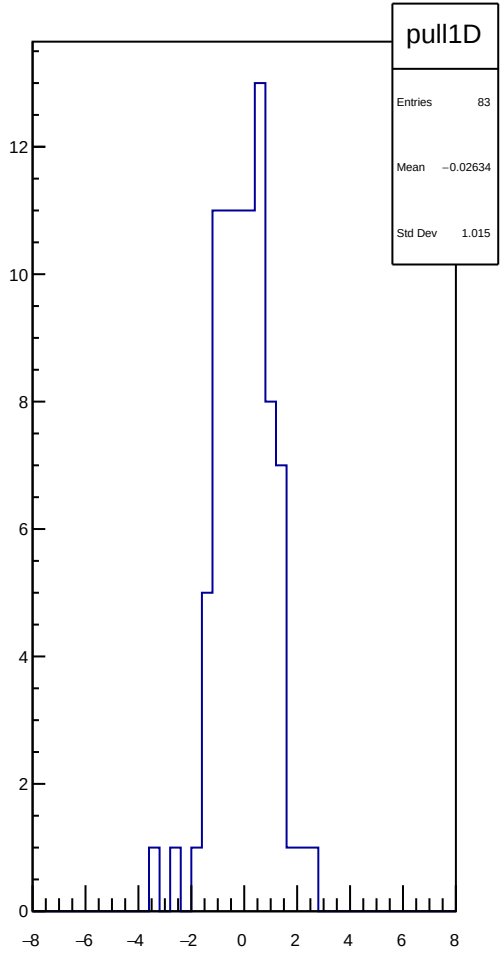

eigen_cor_asym_atr1_rms vs run
χ² / ndf 84.49 / 82
p0 2752 ± 2.191
2820
2800
2780
2760
2740
2720
2700
2680


asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 85.59 / 82
p0 92.23 ± 754.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 172.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 83
Mean −0.02634
Std Dev 1.015
12
10
8
6
4
2
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−8
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−4
−2
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2
4
6
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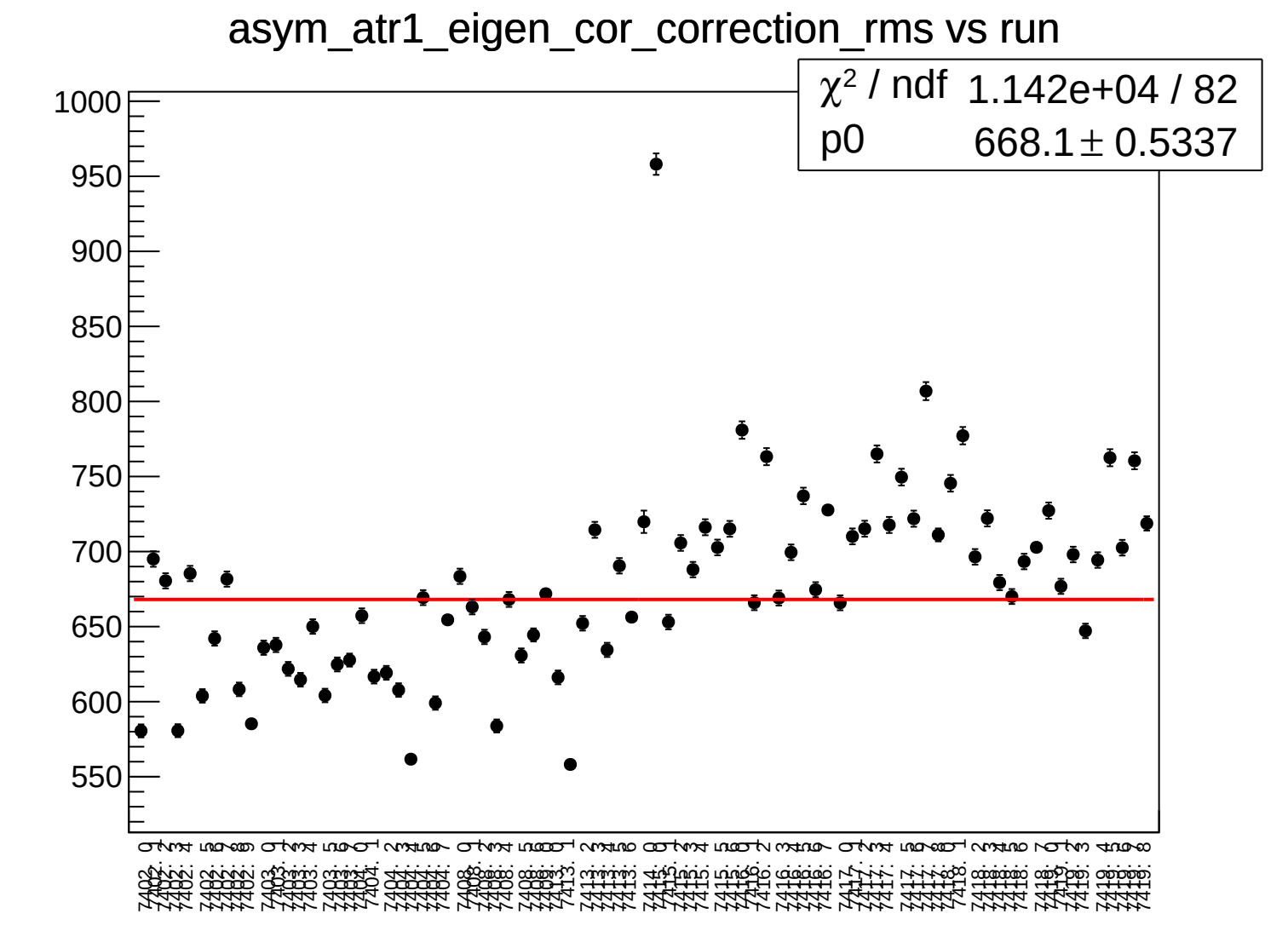
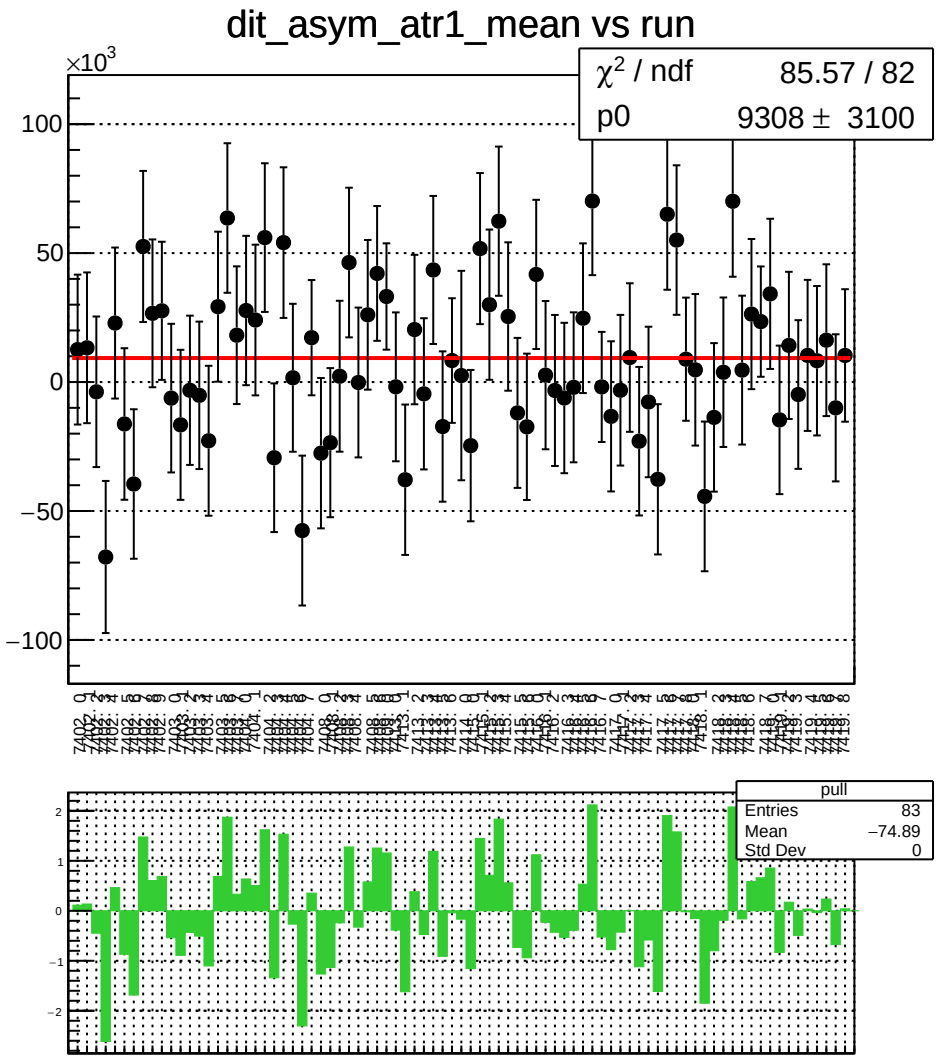
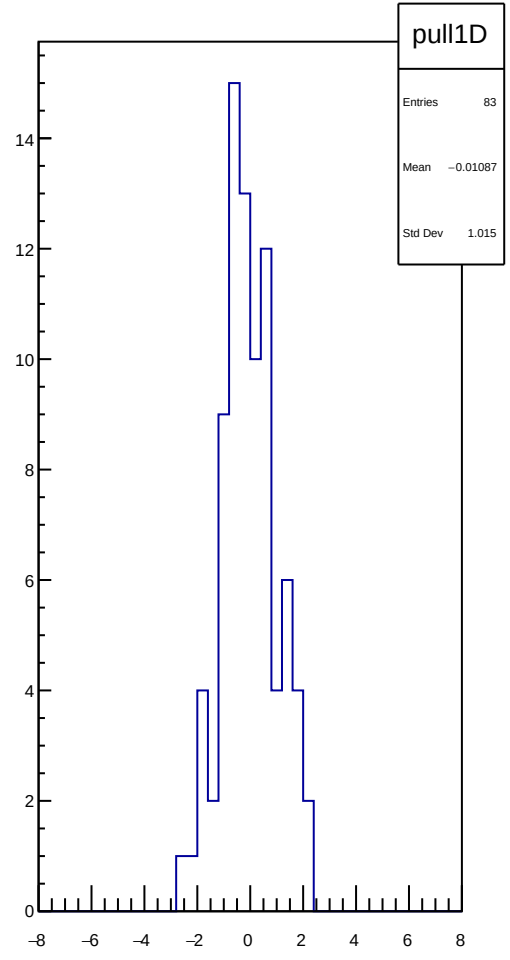

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 1.142e+04 / 82
p0 668.1 ± 0.5337
1000
950
900
850
800
750
700
650
600
550


dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 85.57 / 82
p0 9308 ± 3100
100
50
0
−50
−100
pull
Entries 83
Mean −74.89
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.01087
Std Dev 1.015
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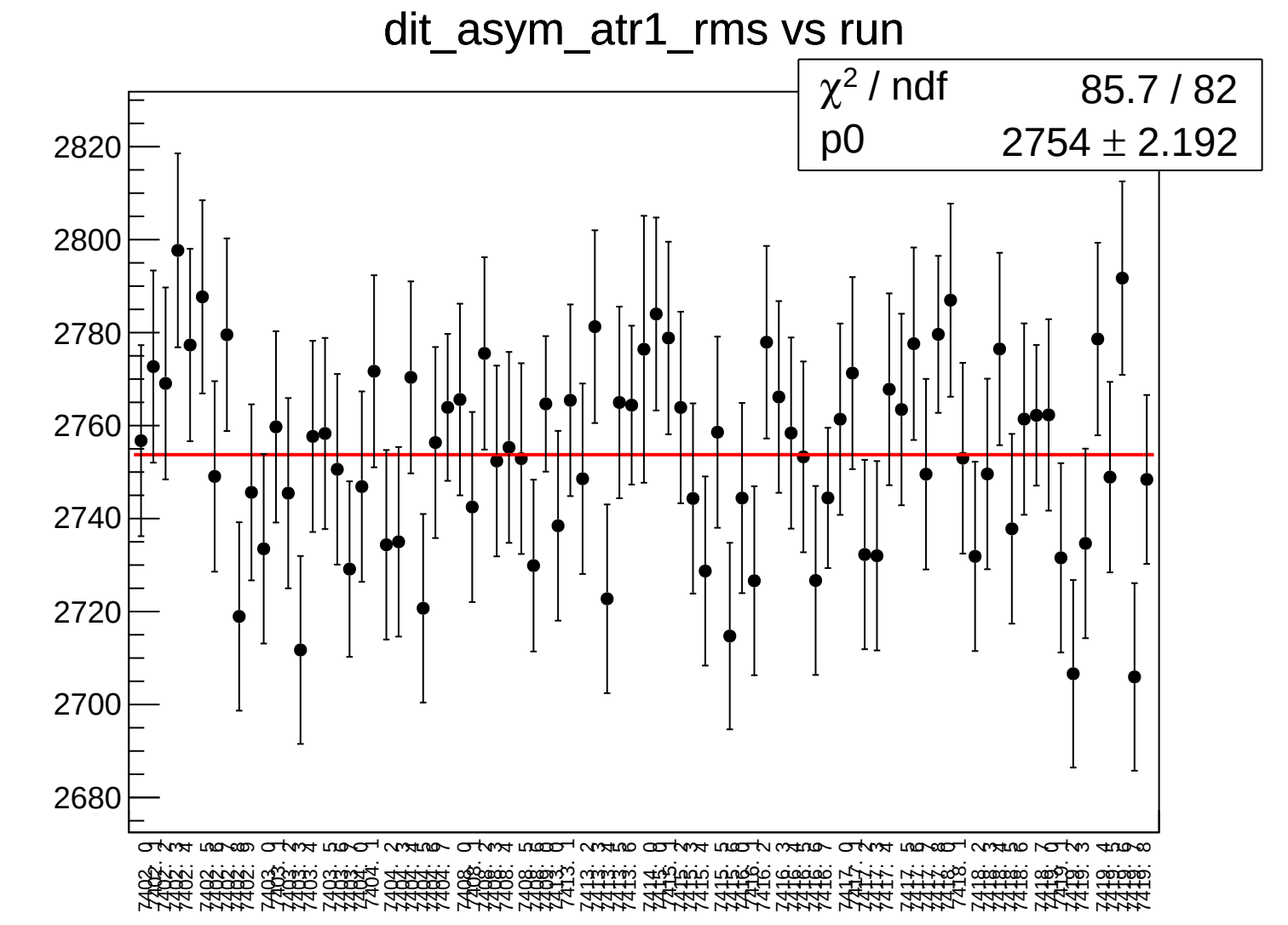
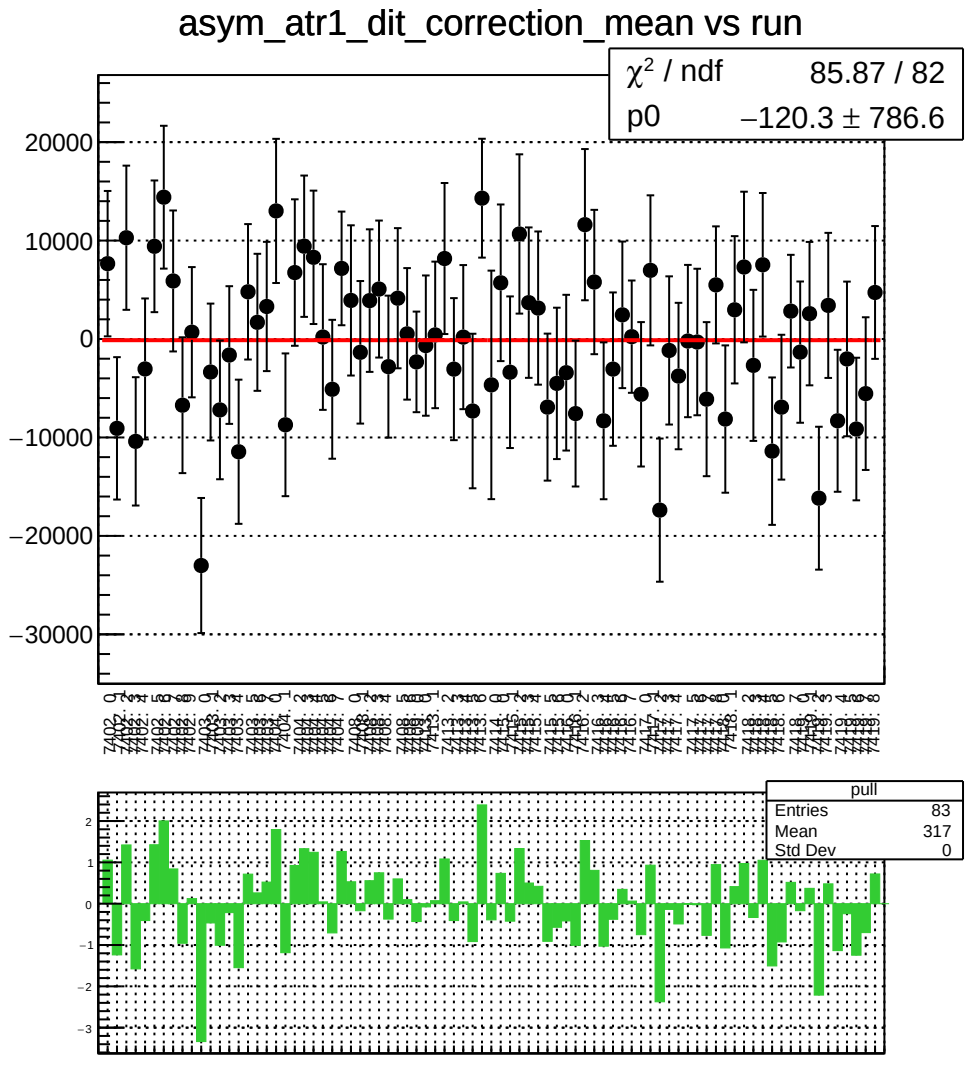
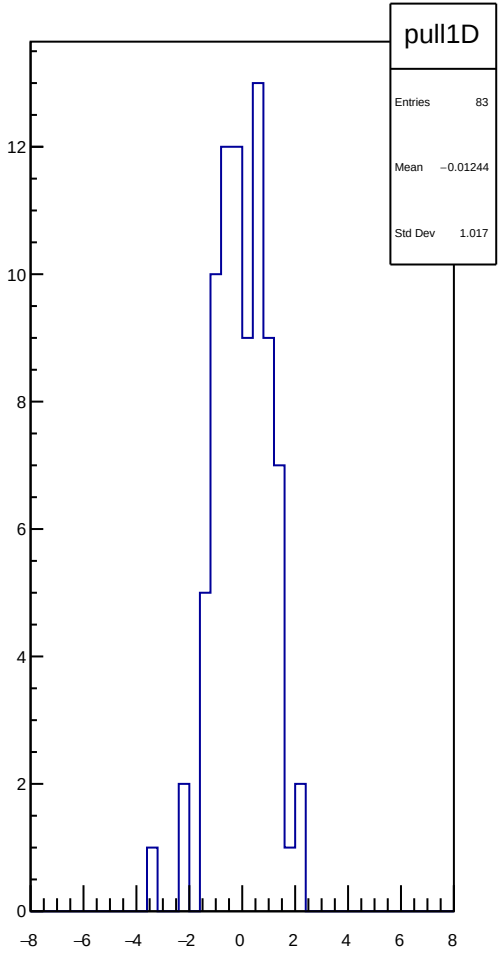
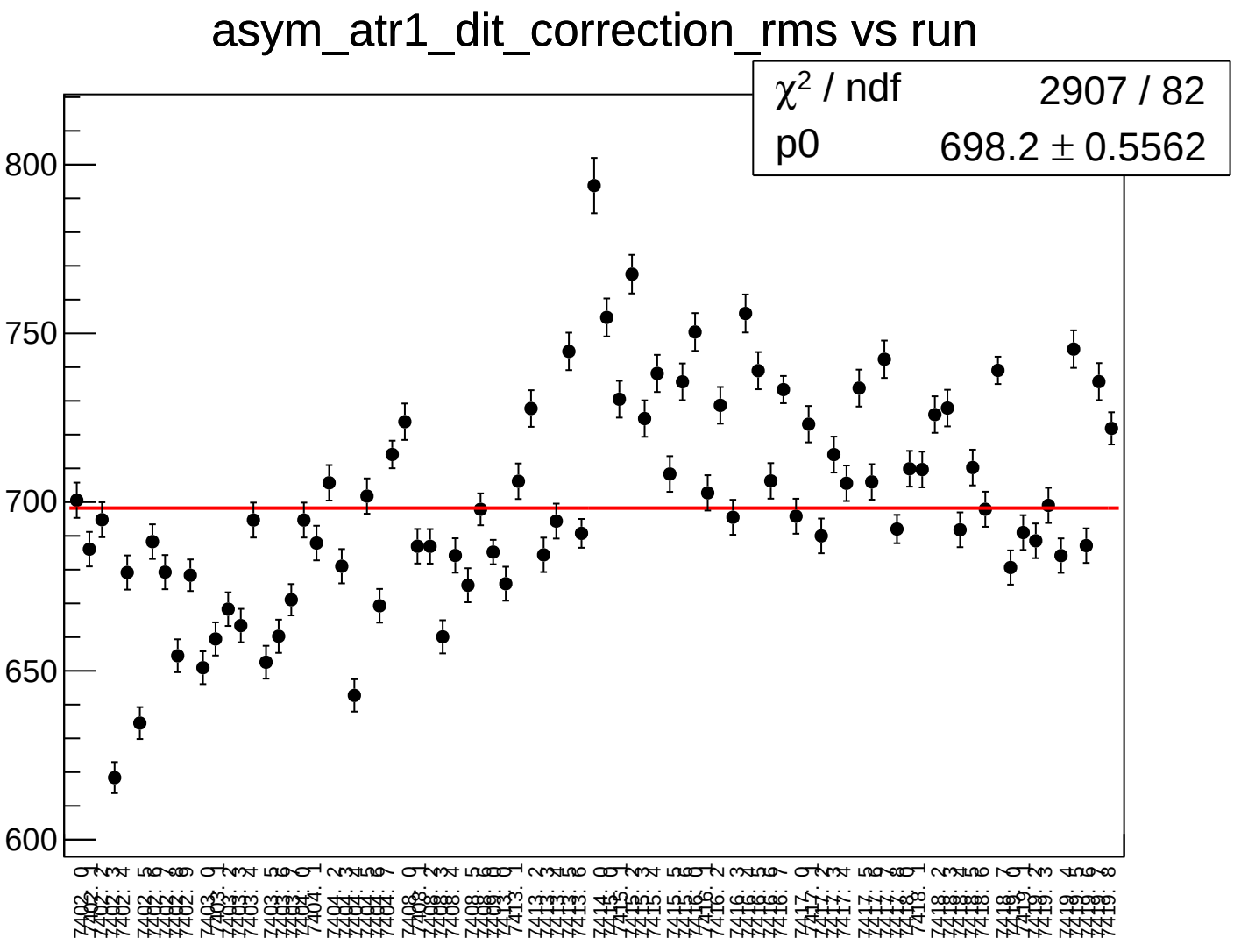
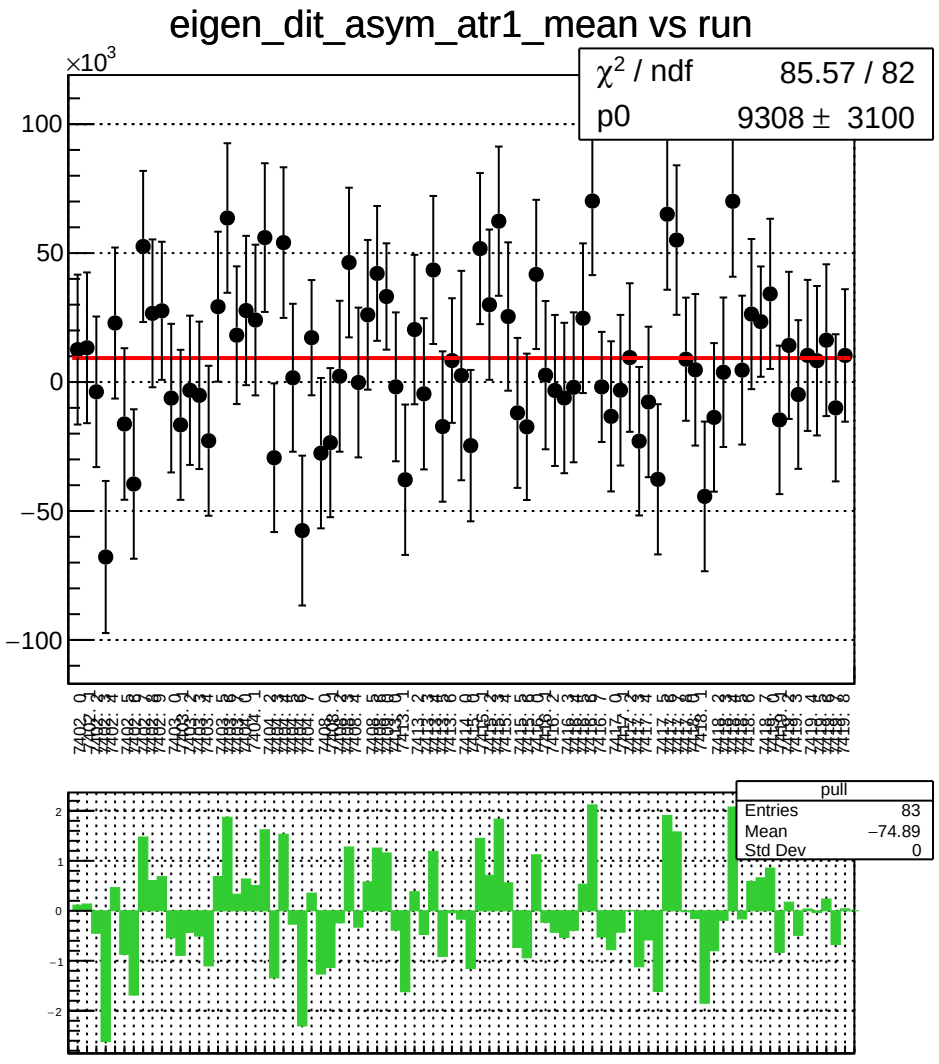
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

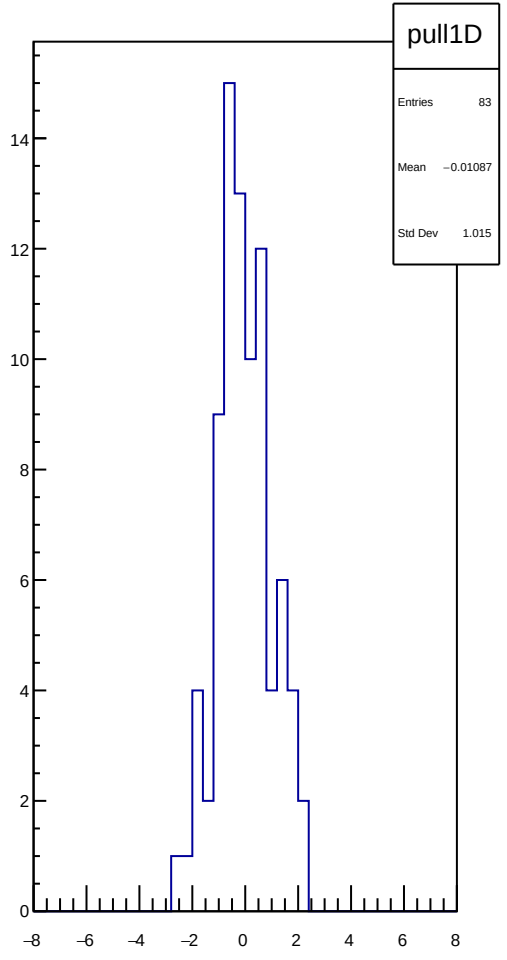

dit_asym_atr1_rms vs run
χ^2 / ndf 85.7 / 82
p0 2754 ± 2.192
2820
2800
2780
2760
2740
2720
2700
2680

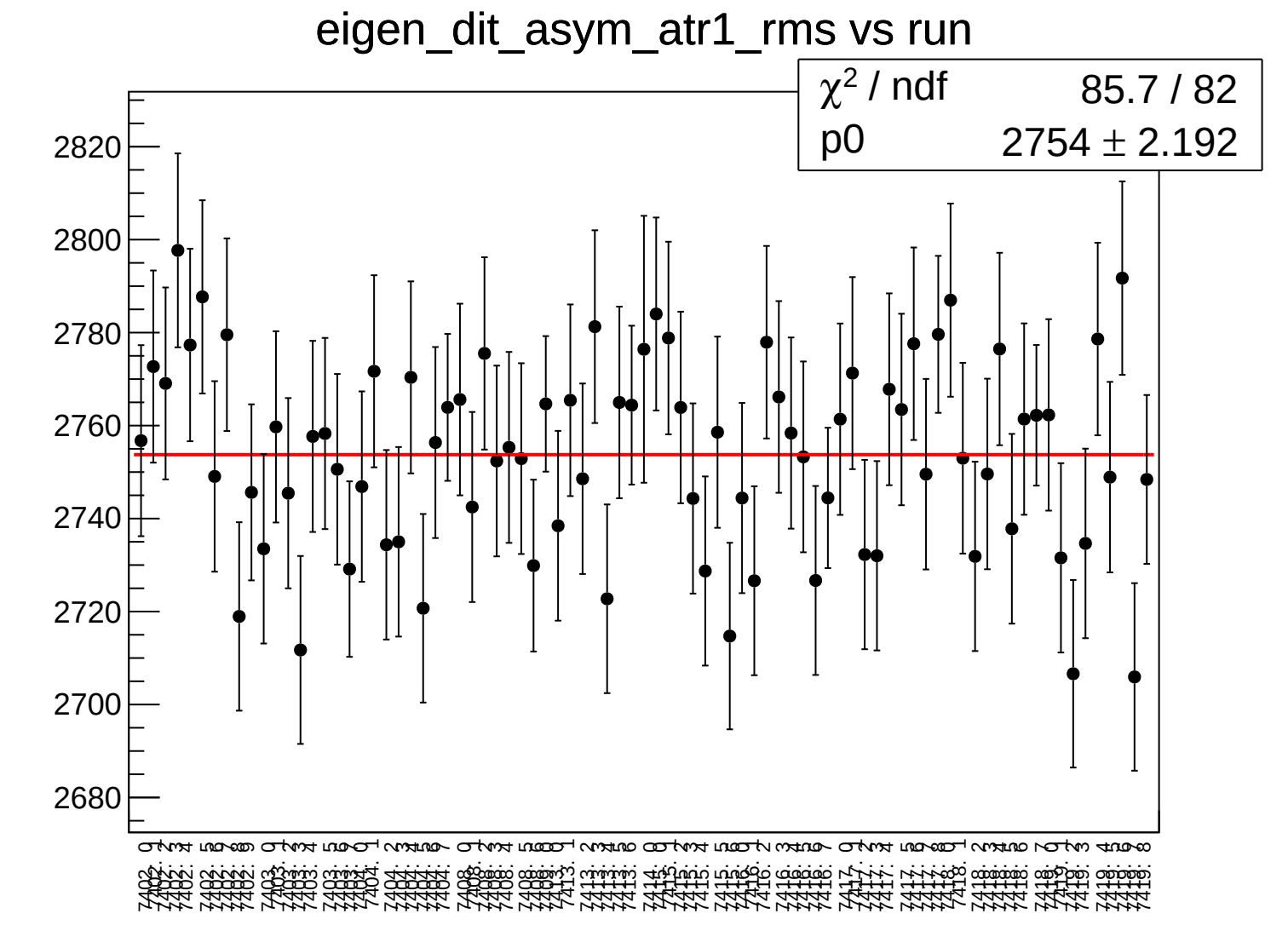

asym_atr1_dit_correction_mean vs run
χ² / ndf 85.87 / 82
p0 −120.3 ± 786.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 317
Std Dev 0
2
1
0
−1
−2
−3

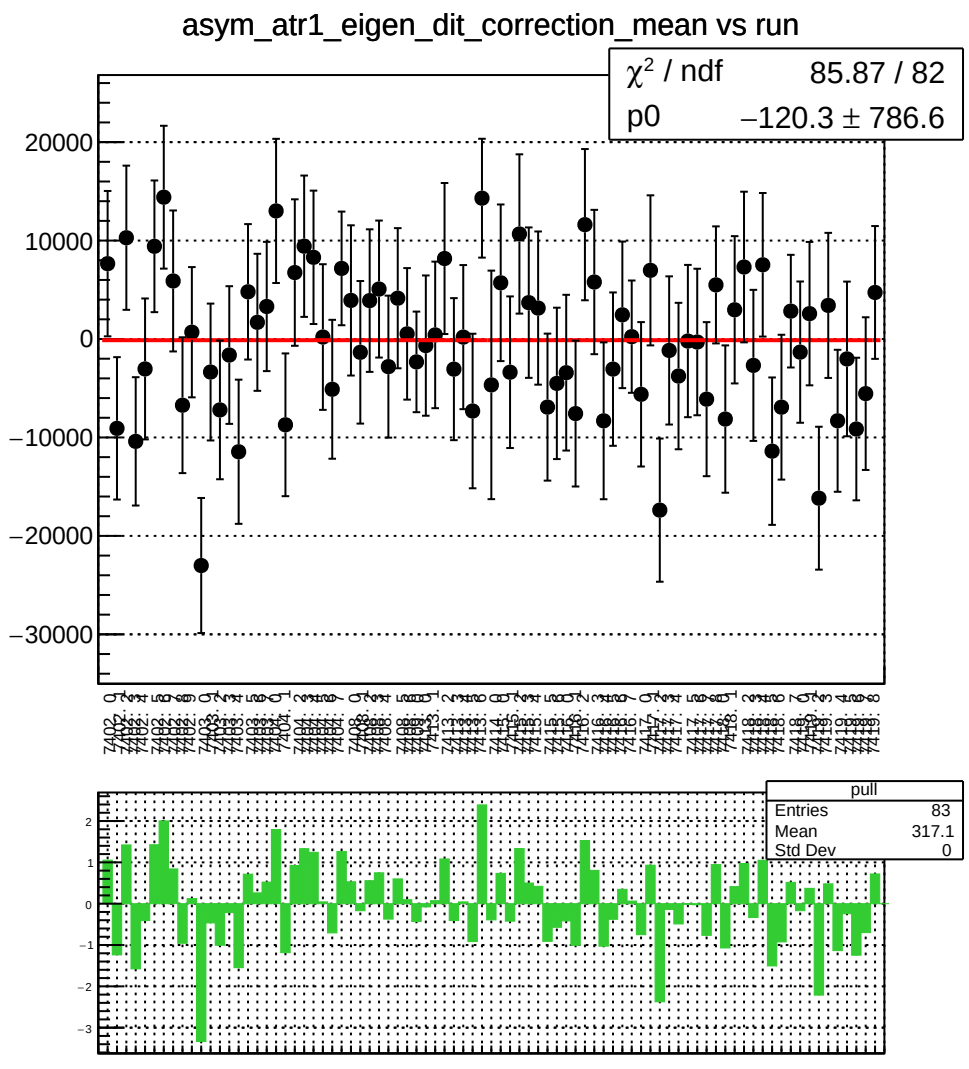

pull1D
Entries 83
Mean −0.01244
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

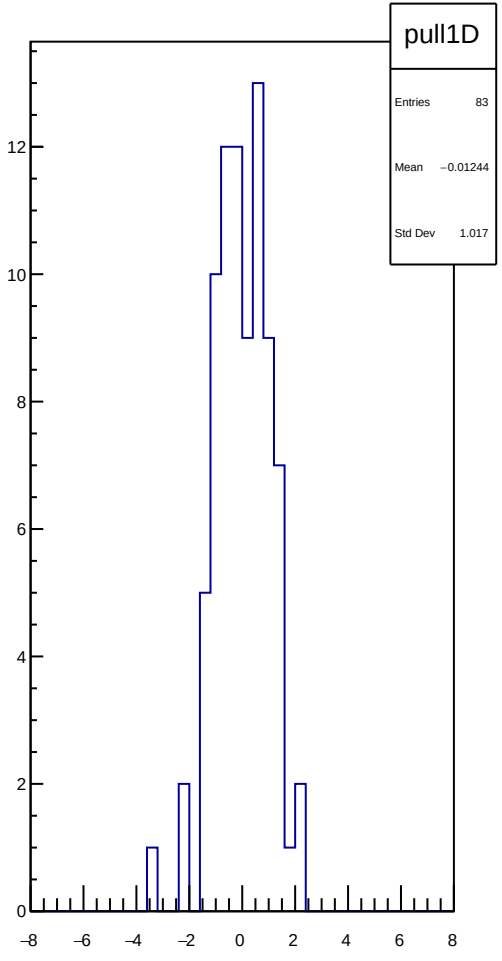

asym_atr1_dit_correction_rms vs run
χ² / ndf 2907 / 82
p0 698.2 ± 0.5562
800
750
700
650
600

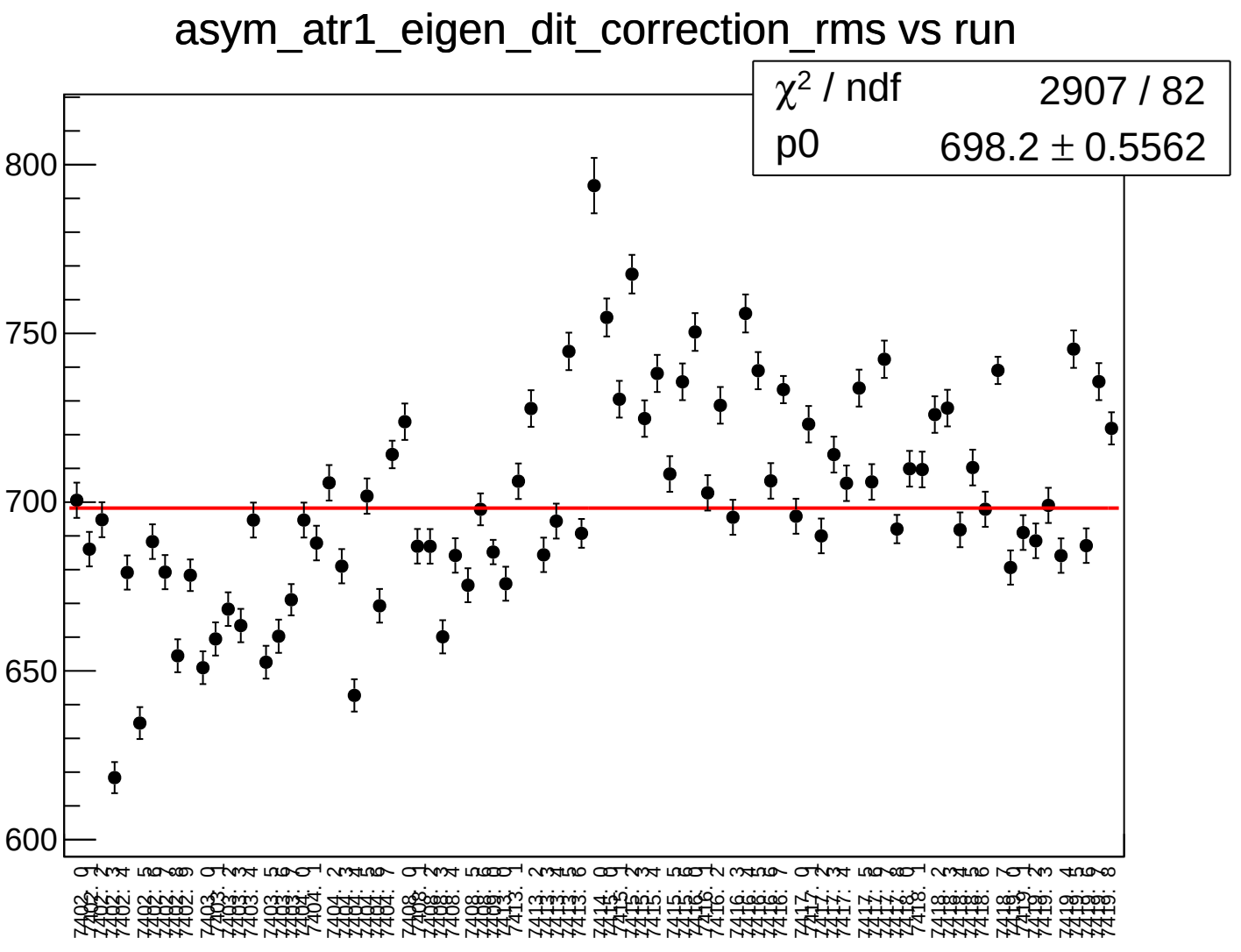

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 85.57 / 82
p0 9308 ± 3100
100
50
0
−50
−100
pull
Entries 83
Mean −74.89
Std Dev 0
2
1
0
−1
−2

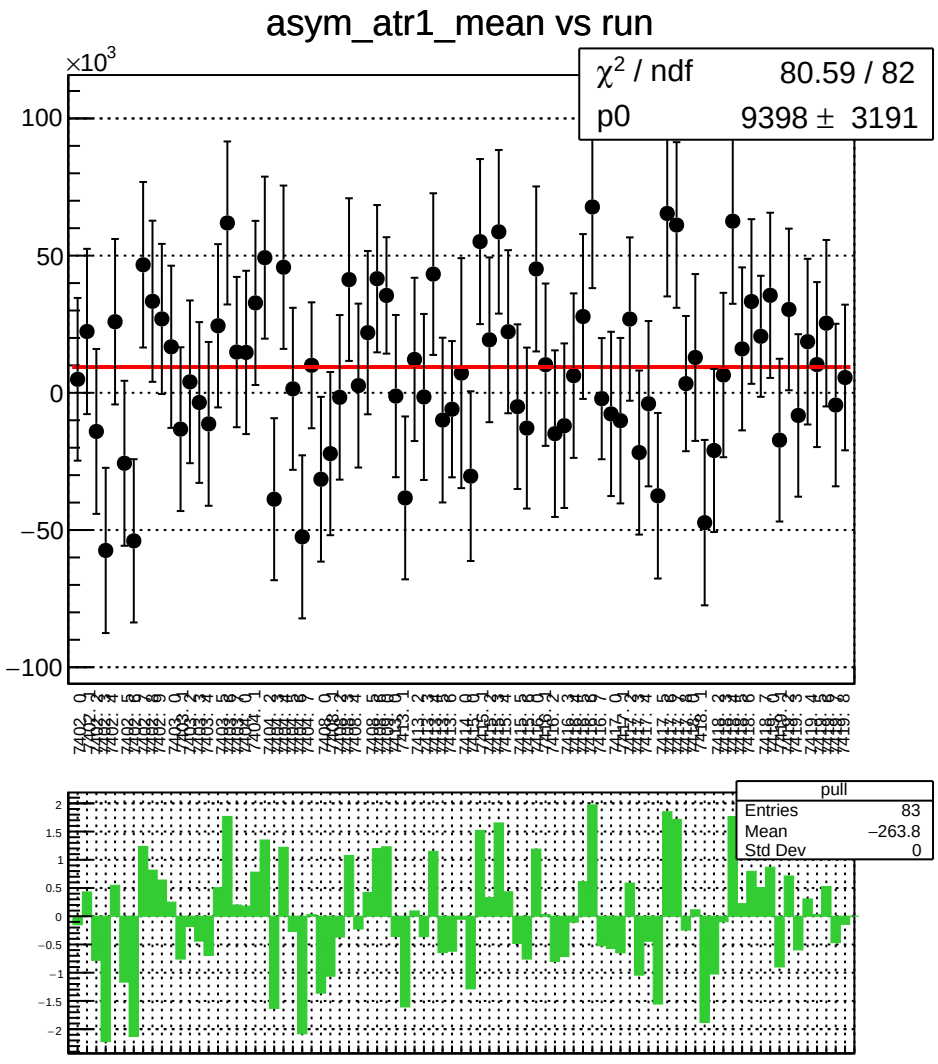

pull1D
Entries 83
Mean −0.01087
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

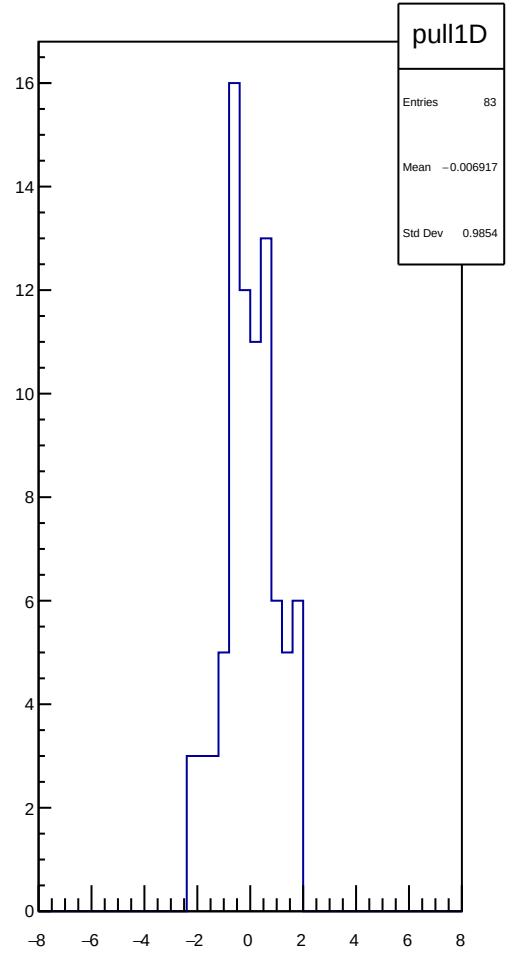

eigen_dit_asym_atr1_rms vs run
χ² / ndf 85.7 / 82
p0 2754 ± 2.192
2820
2800
2780
2760
2740
2720
2700
2680

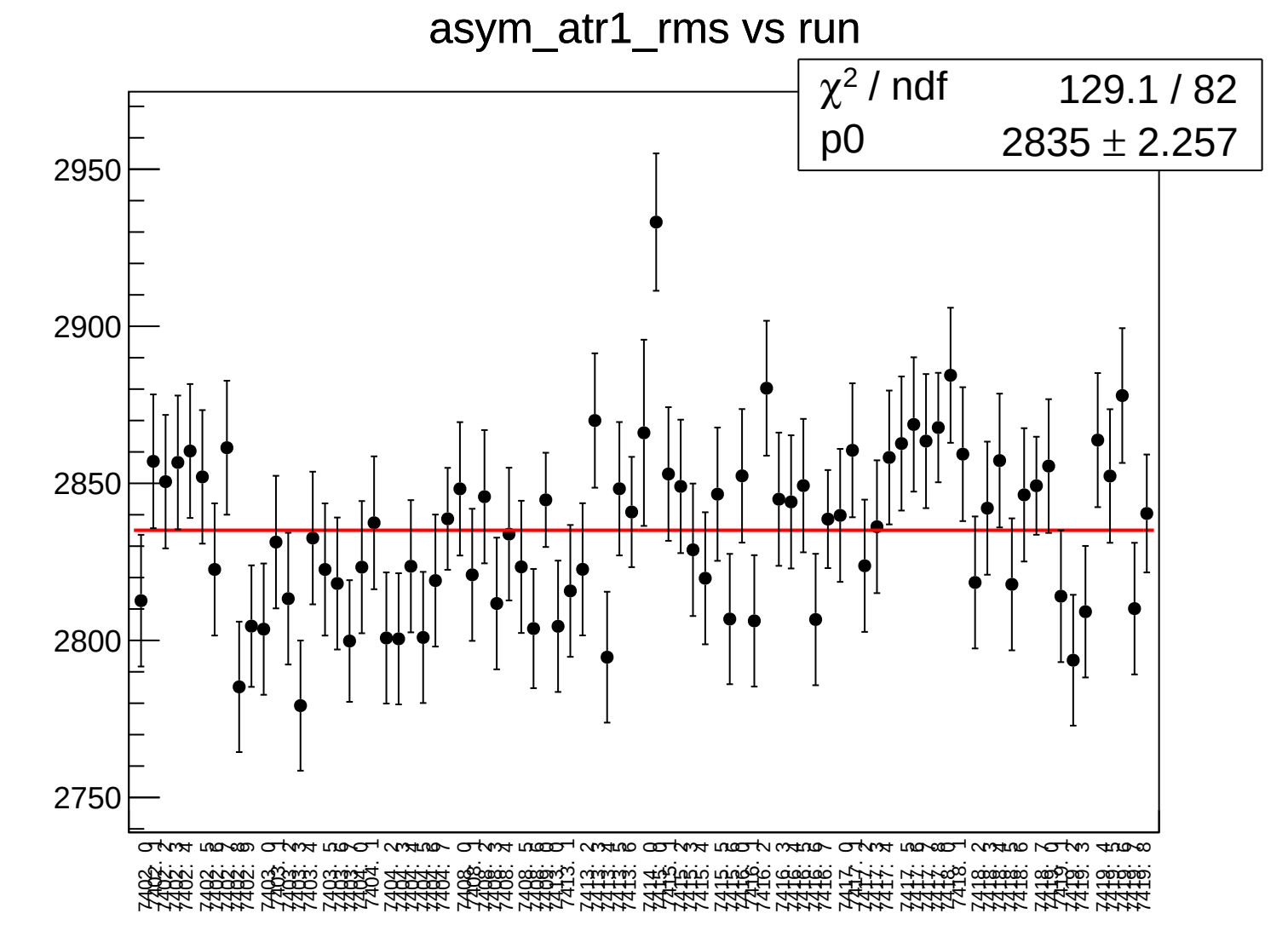

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 85.87 / 82
p0 −120.3 ± 786.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 317.1
Std Dev 0
2
1
0
−1
−2
−3

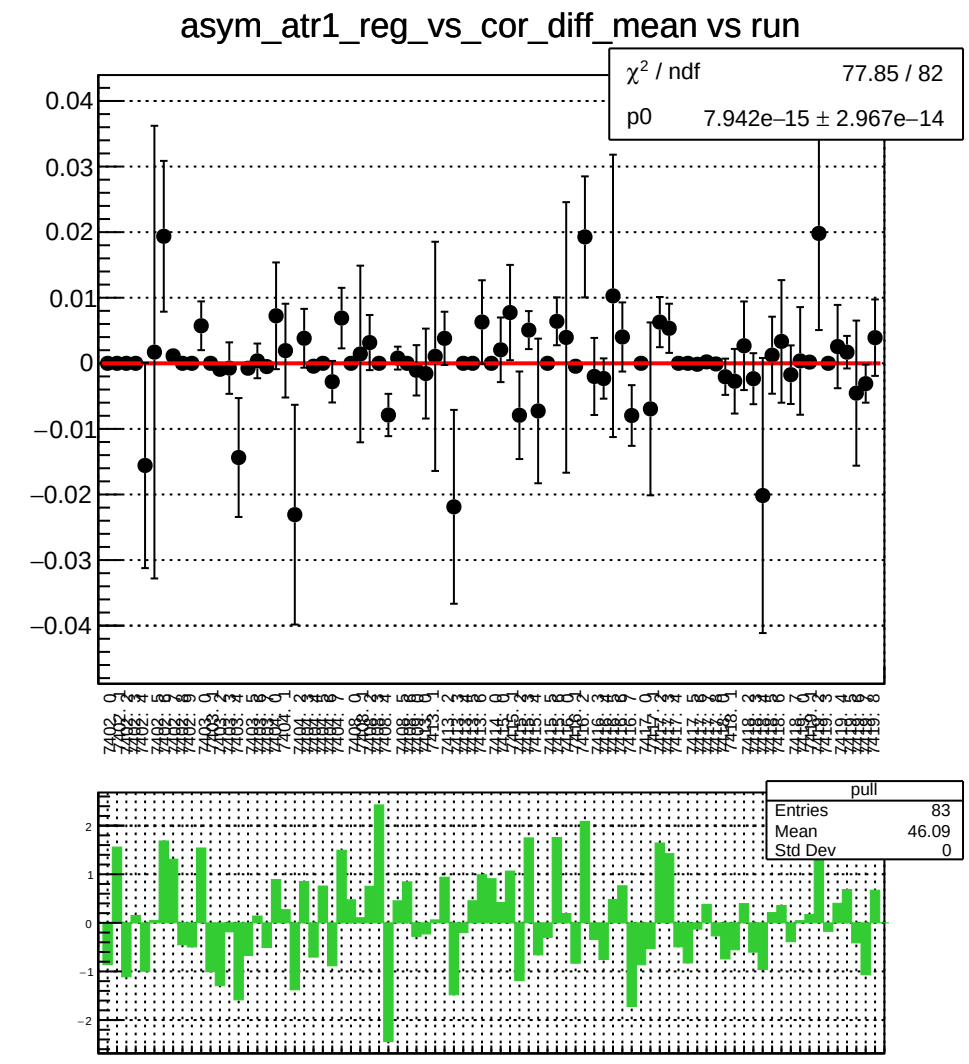

pull1D
Entries 83
Mean −0.01244
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

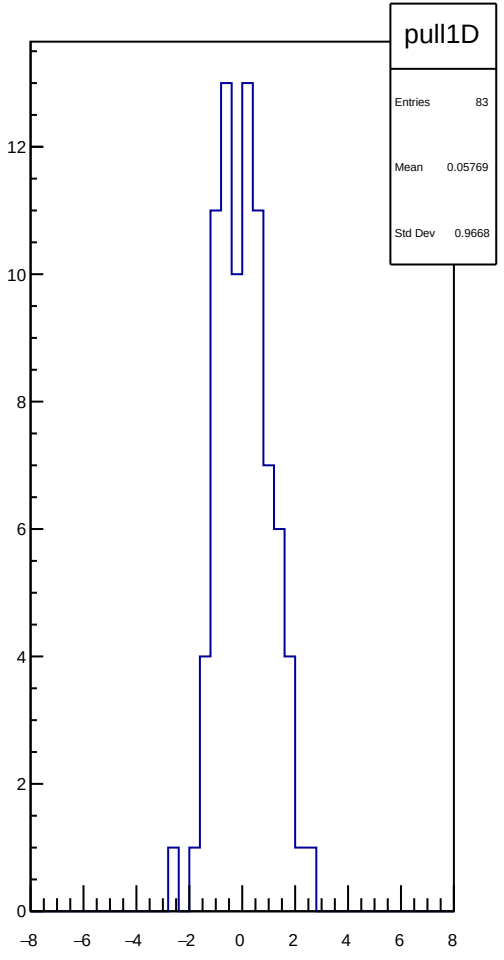

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 2907 / 82
p0 698.2 ± 0.5562
800
750
700
650
600

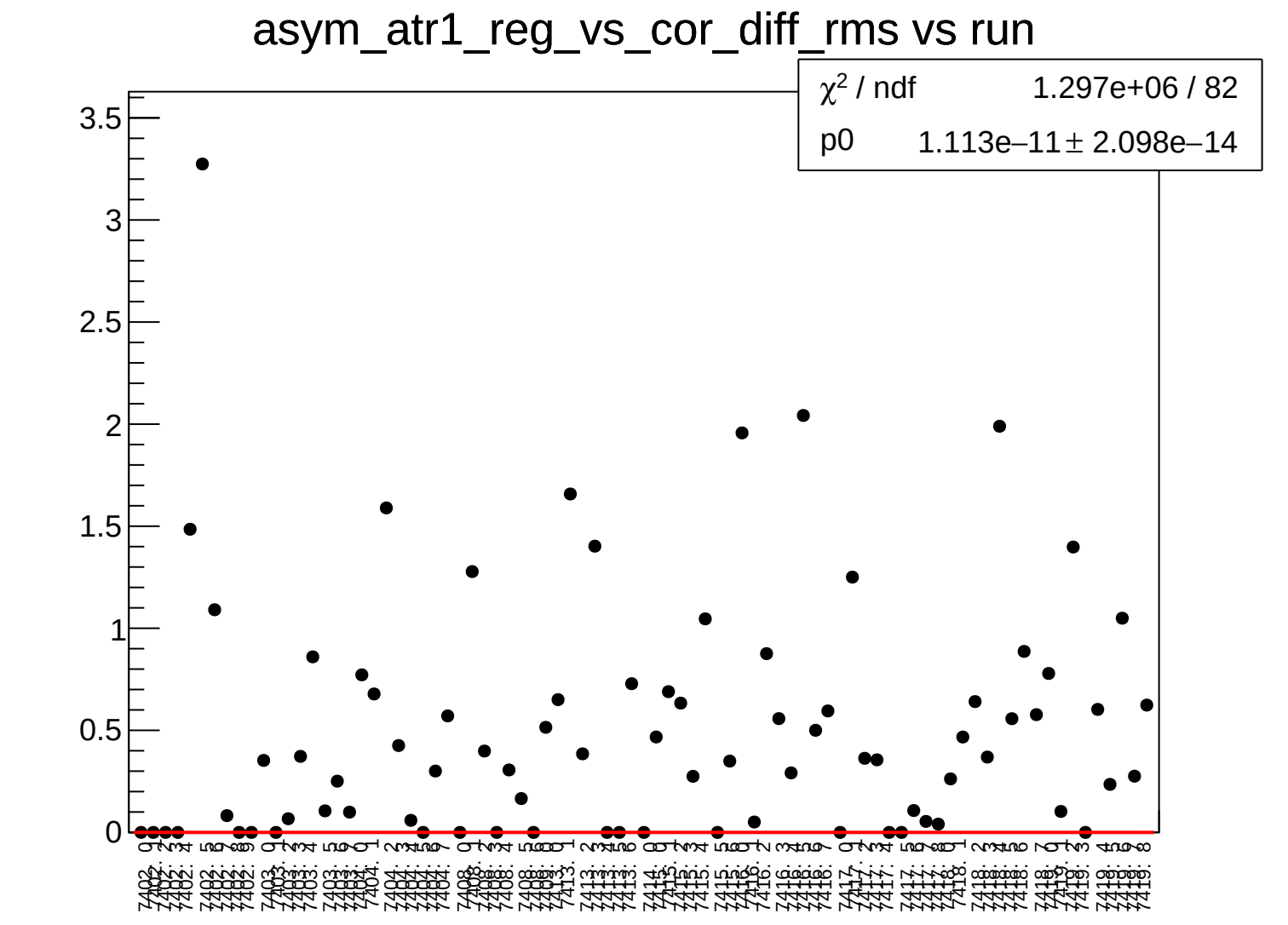

asym_atr1_mean vs run
×10^3
χ² / ndf 80.59 / 82
p0 9398 ± 3191
100
50
0
−50
−100
pull
Entries 83
Mean −263.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

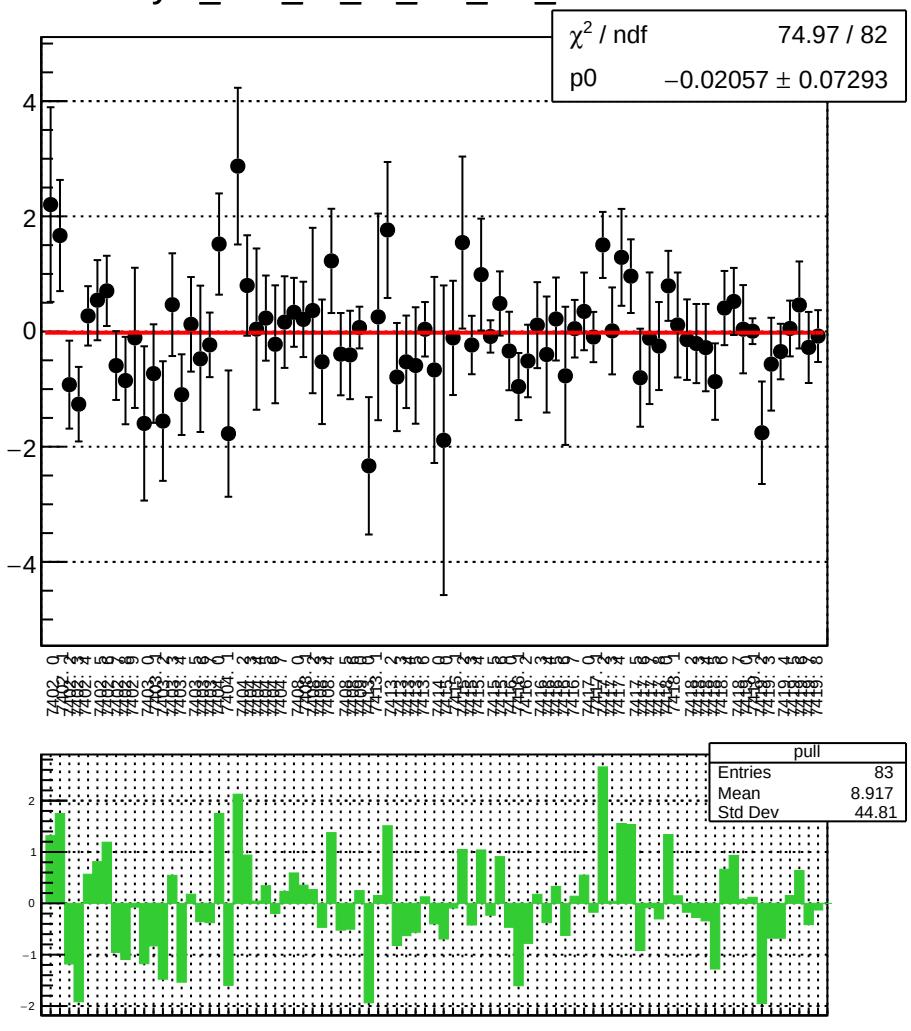

pull1D
Entries 83
Mean −0.006917
Std Dev 0.9854
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

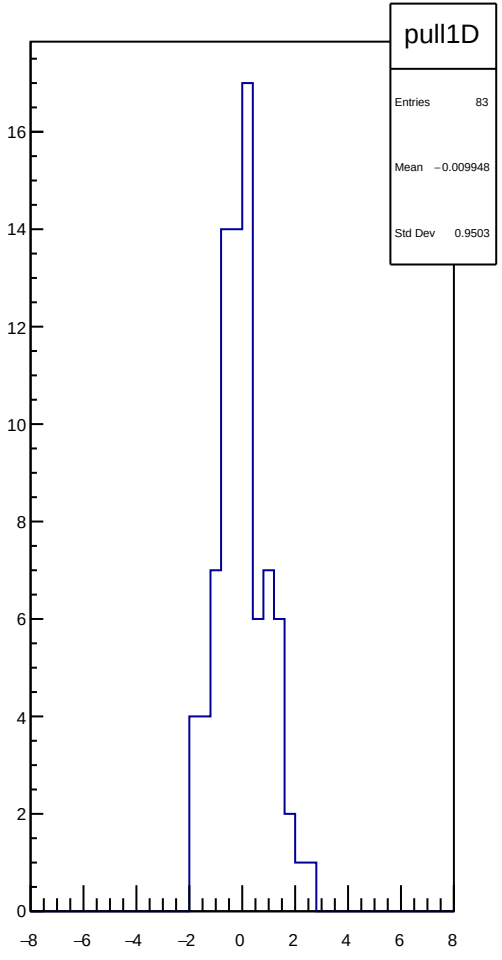

asym_atr1_rms vs run
χ^2 / ndf 129.1 / 82
p0 2835 ± 2.257
2950
2900
2850
2800
2750

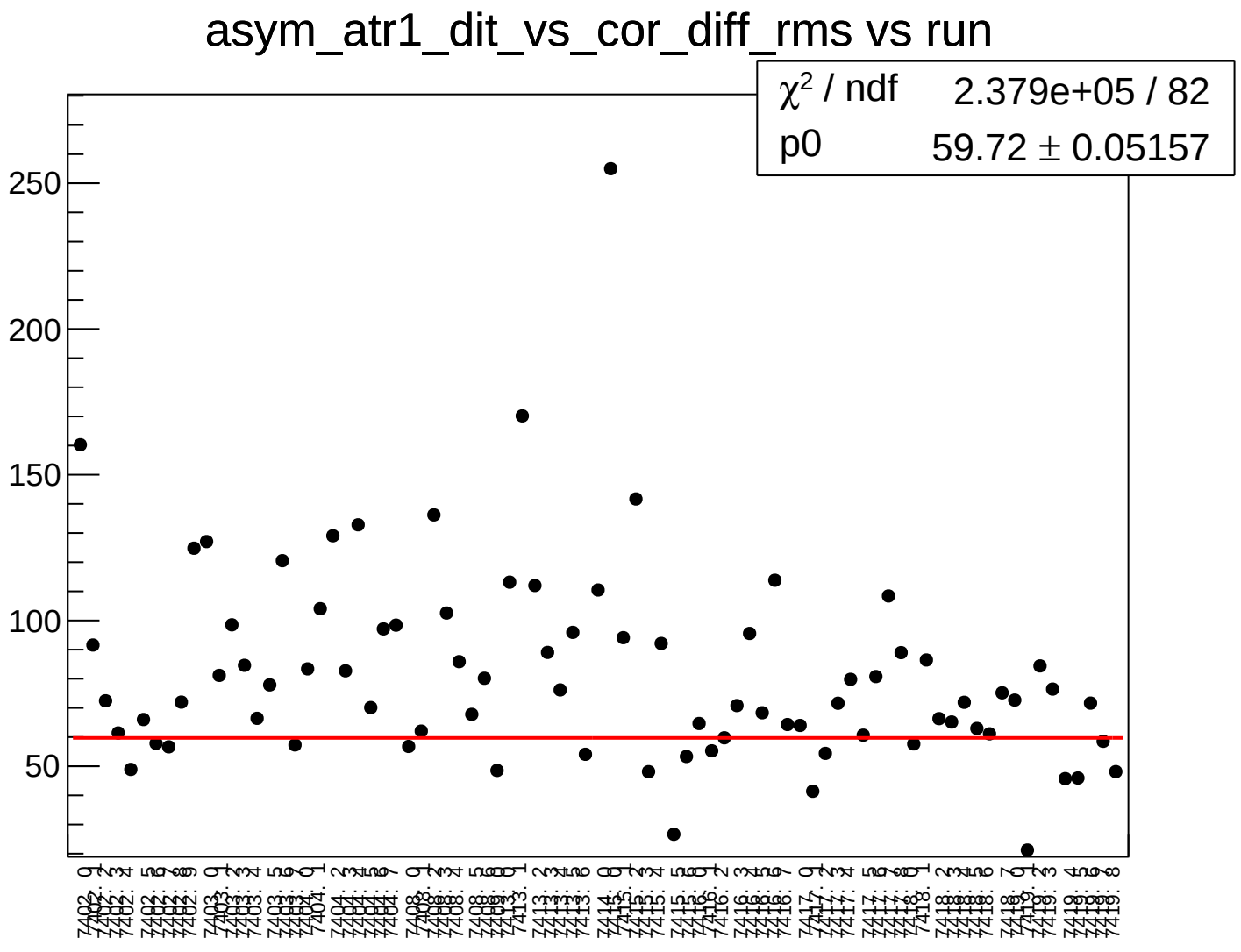

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 77.85 / 82
p0 7.942e−15 ± 2.967e−14
pull
Entries 83
Mean 46.09
Std Dev 0

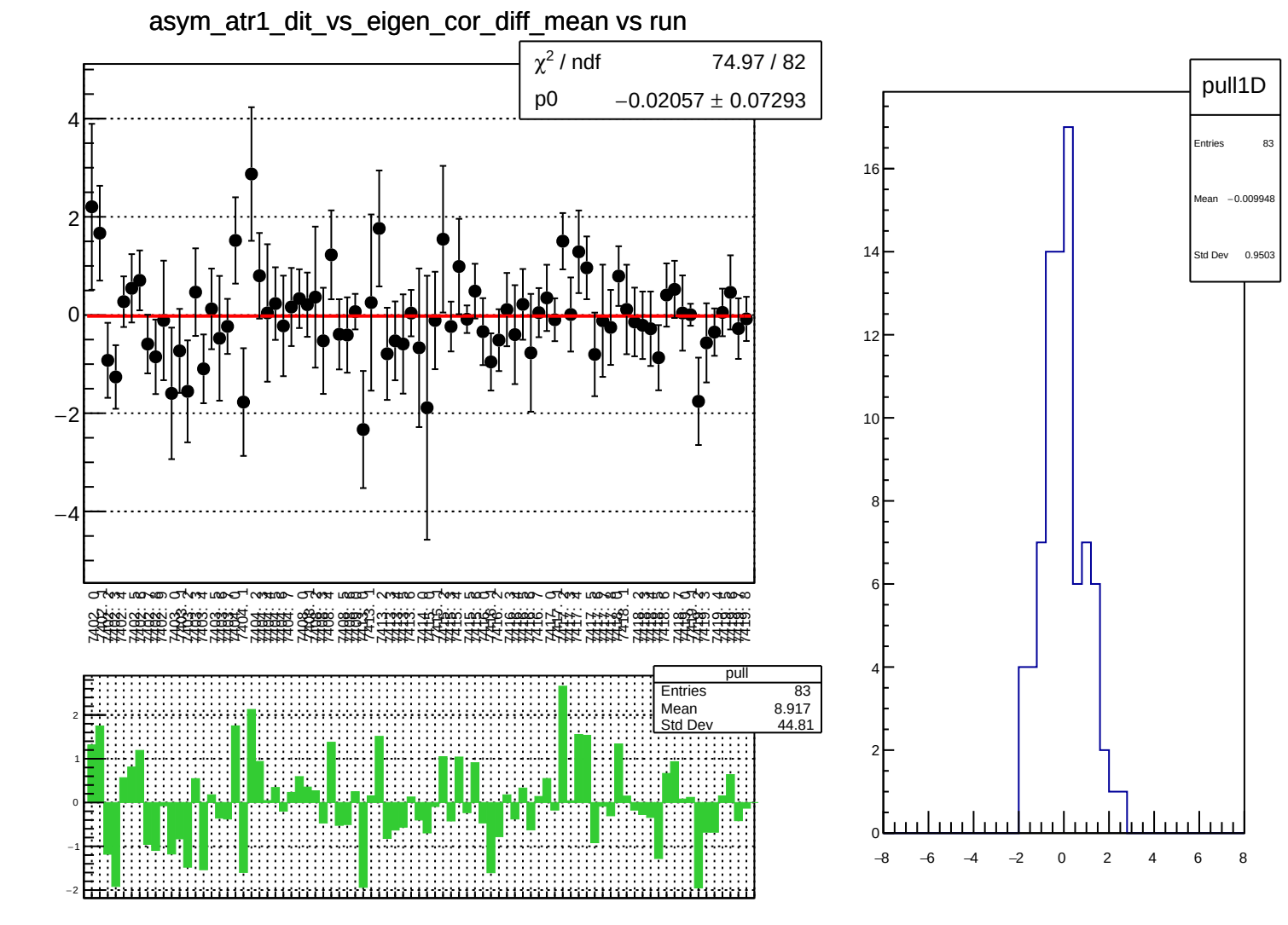

pull1D
Entries 83
Mean 0.05769
Std Dev 0.9668

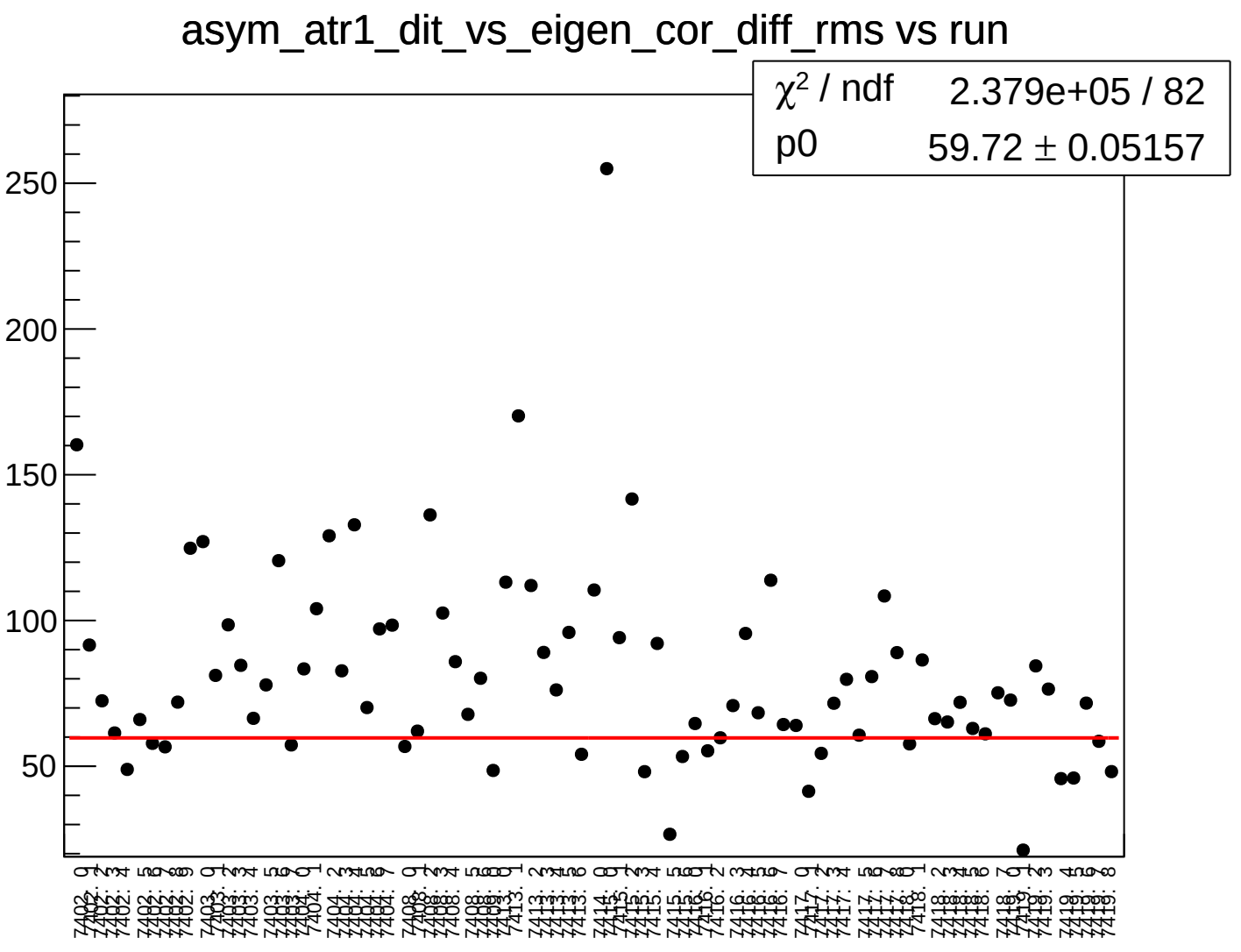

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 1.297e+06 / 82
p0 1.113e−11 ± 2.098e−14
3.5
3
2.5
2
1.5
1
0.5
0

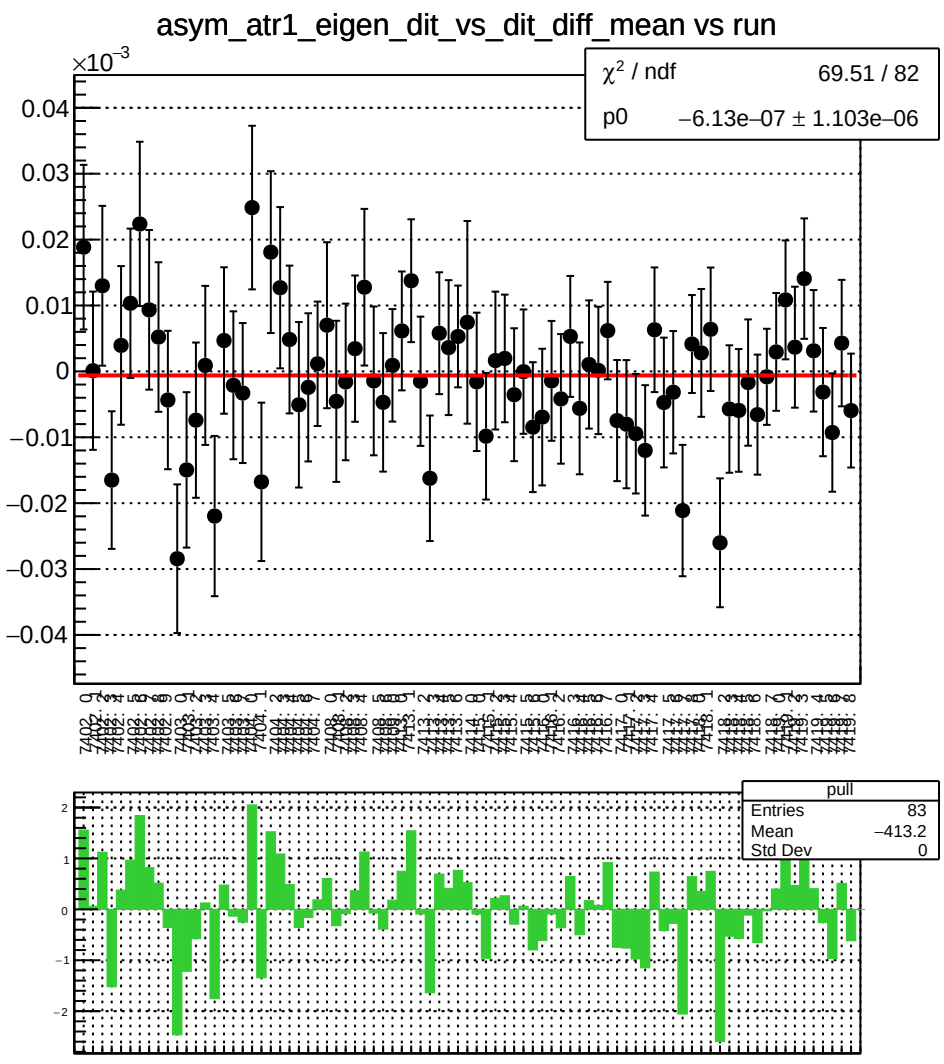

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 74.97 / 82
p0 −0.02057 ± 0.07293
pull
Entries 83
Mean 8.917
Std Dev 44.81

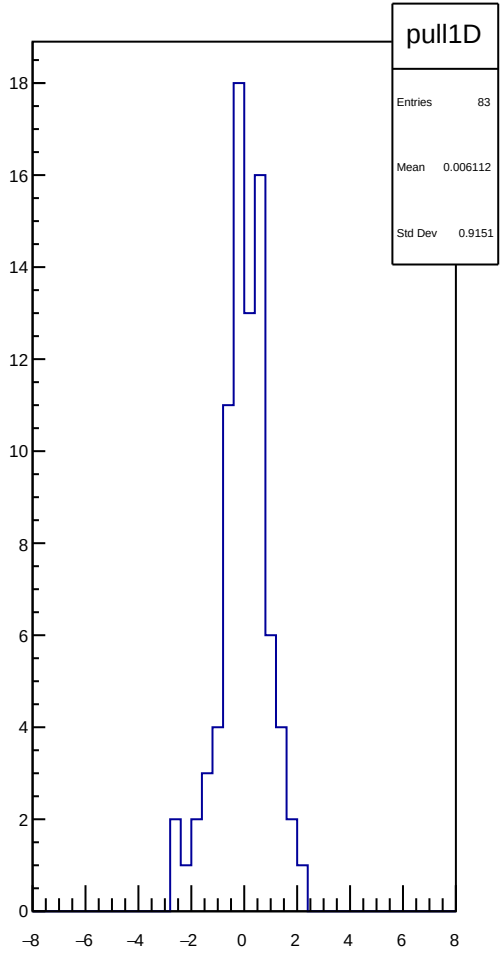

pull1D
Entries 83
Mean −0.009948
Std Dev 0.9503

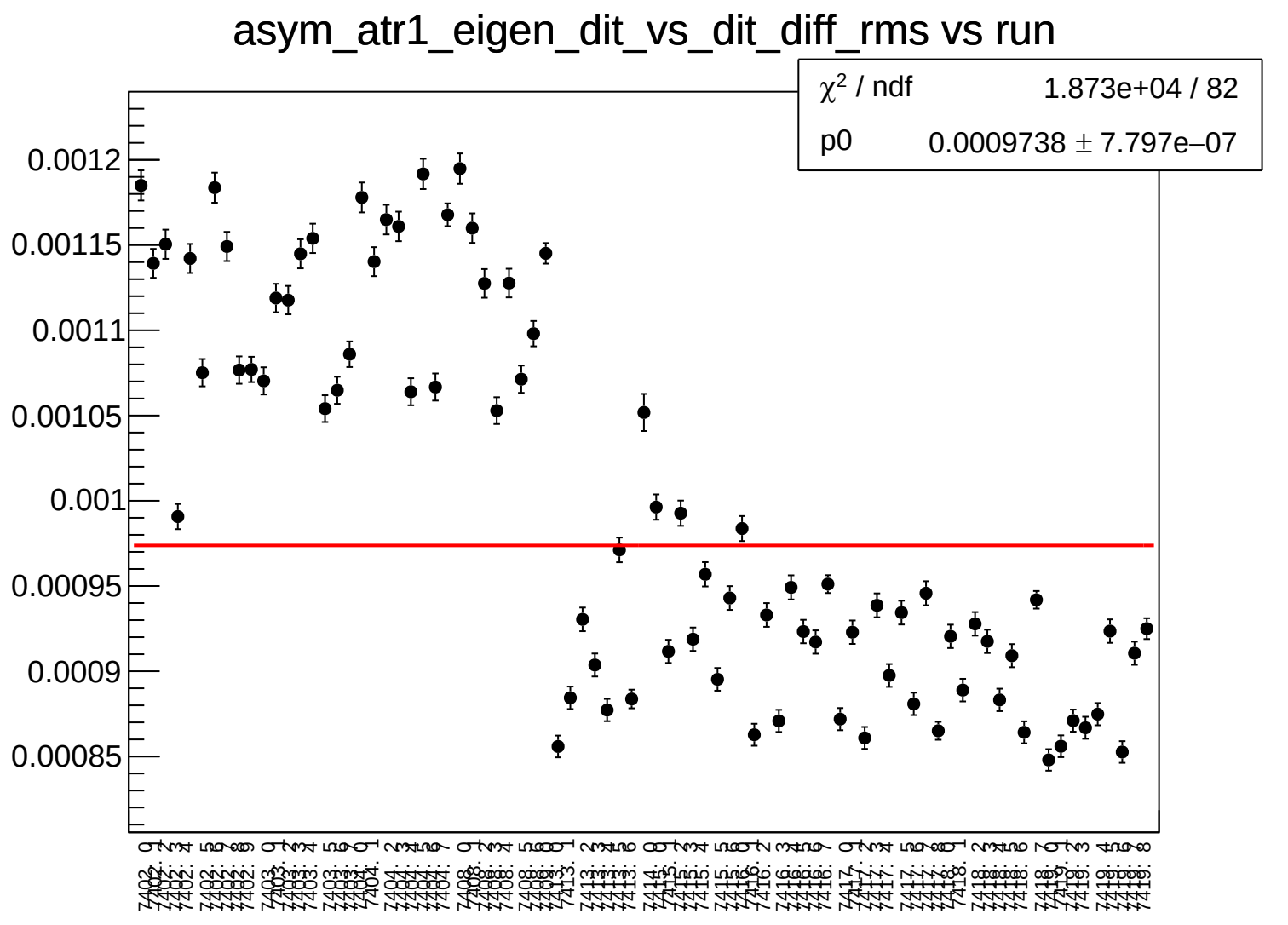

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.379e+05 / 82
p0 59.72 ± 0.05157
250
200
150
100
50

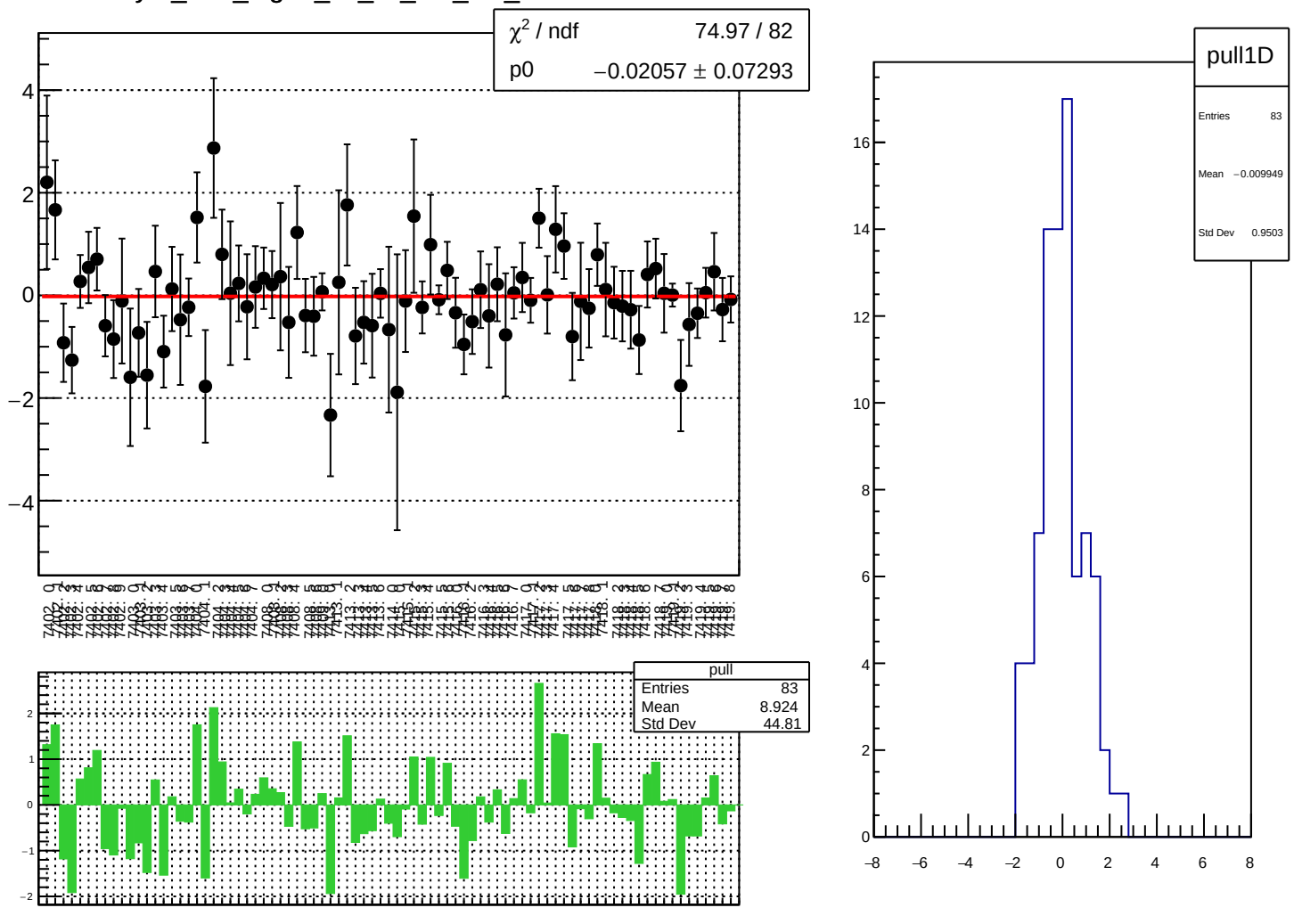

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.97 / 82
p0 −0.02057 ± 0.07293
pull
Entries 83
Mean 8.917
Std Dev 44.81
pull1D
Entries 83
Mean −0.009948
Std Dev 0.9503

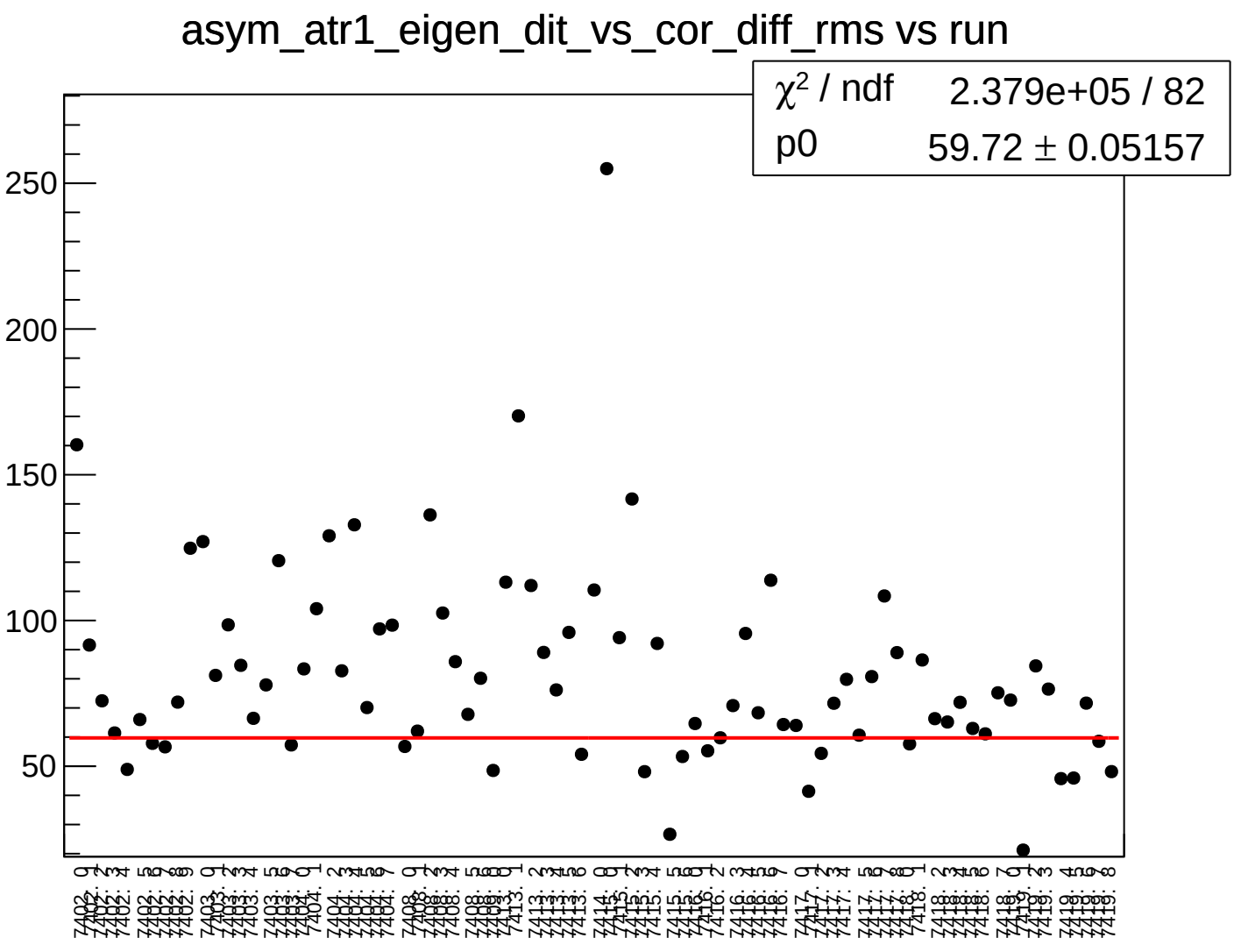

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.379e+05 / 82
p0 59.72 ± 0.05157
250
200
150
100
50

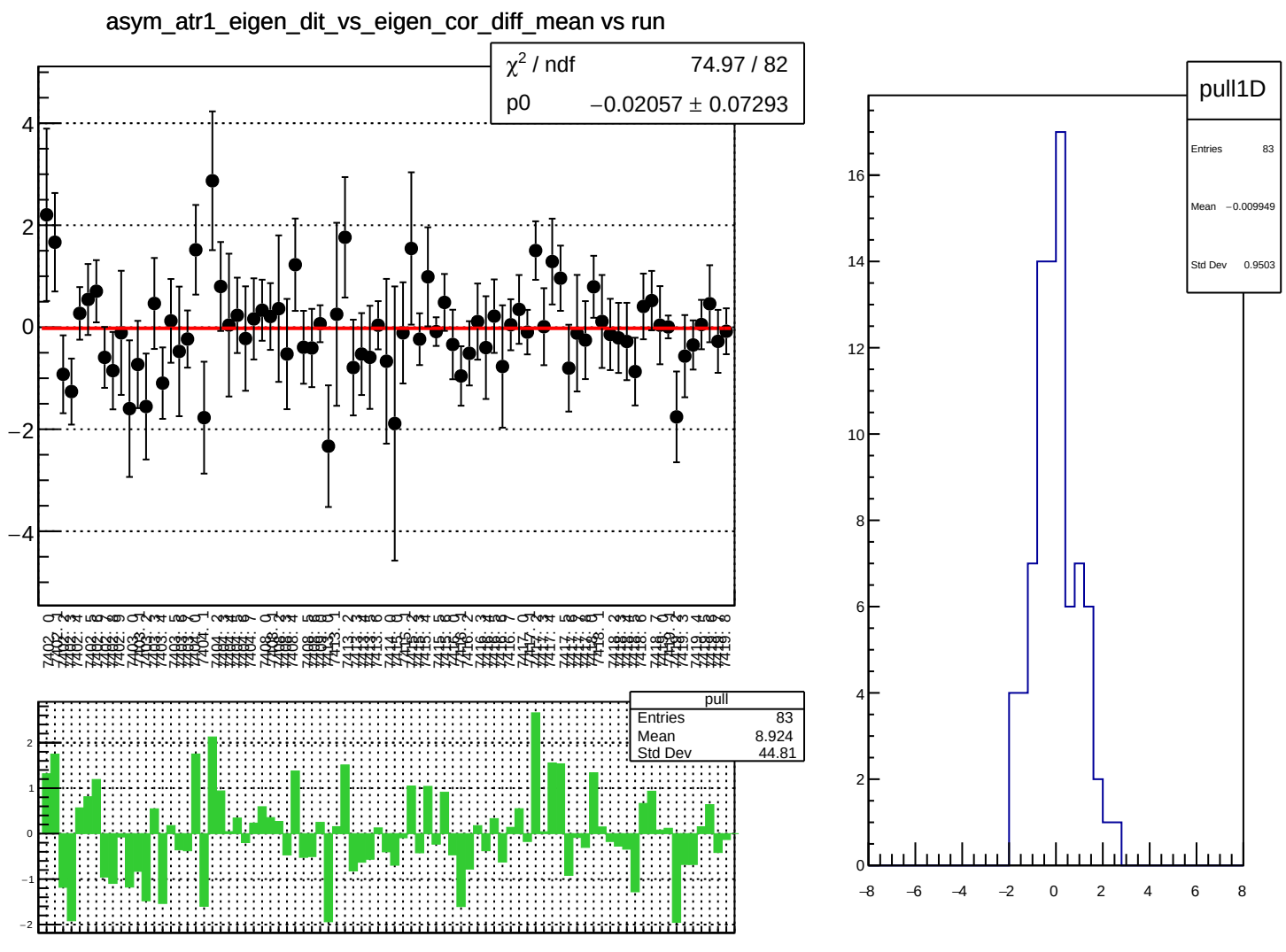

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.51 / 82
p0 −6.13e−07 ± 1.103e−06
pull
Entries 83
Mean −413.2
Std Dev 0

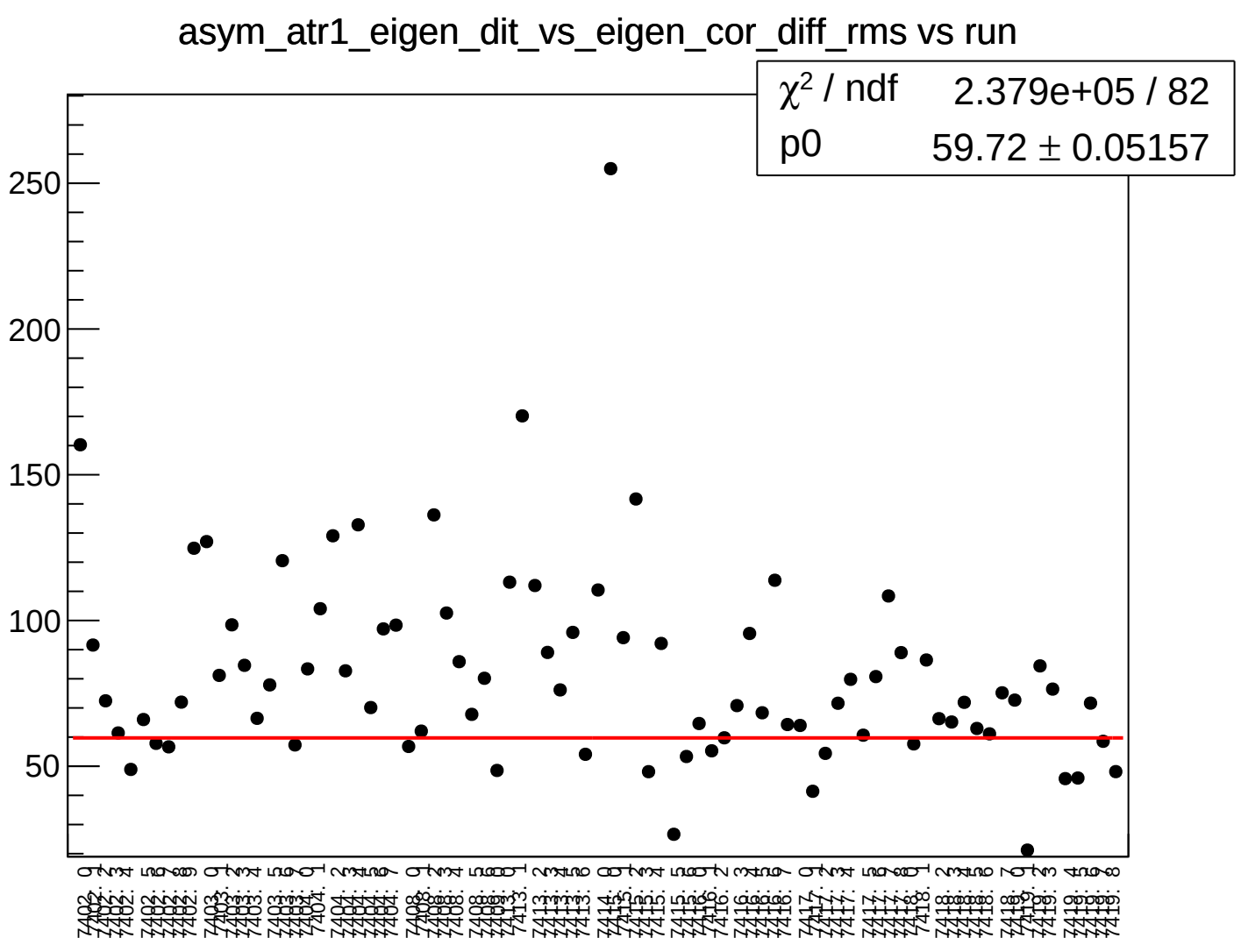

pull1D
Entries 83
Mean 0.006112
Std Dev 0.9151

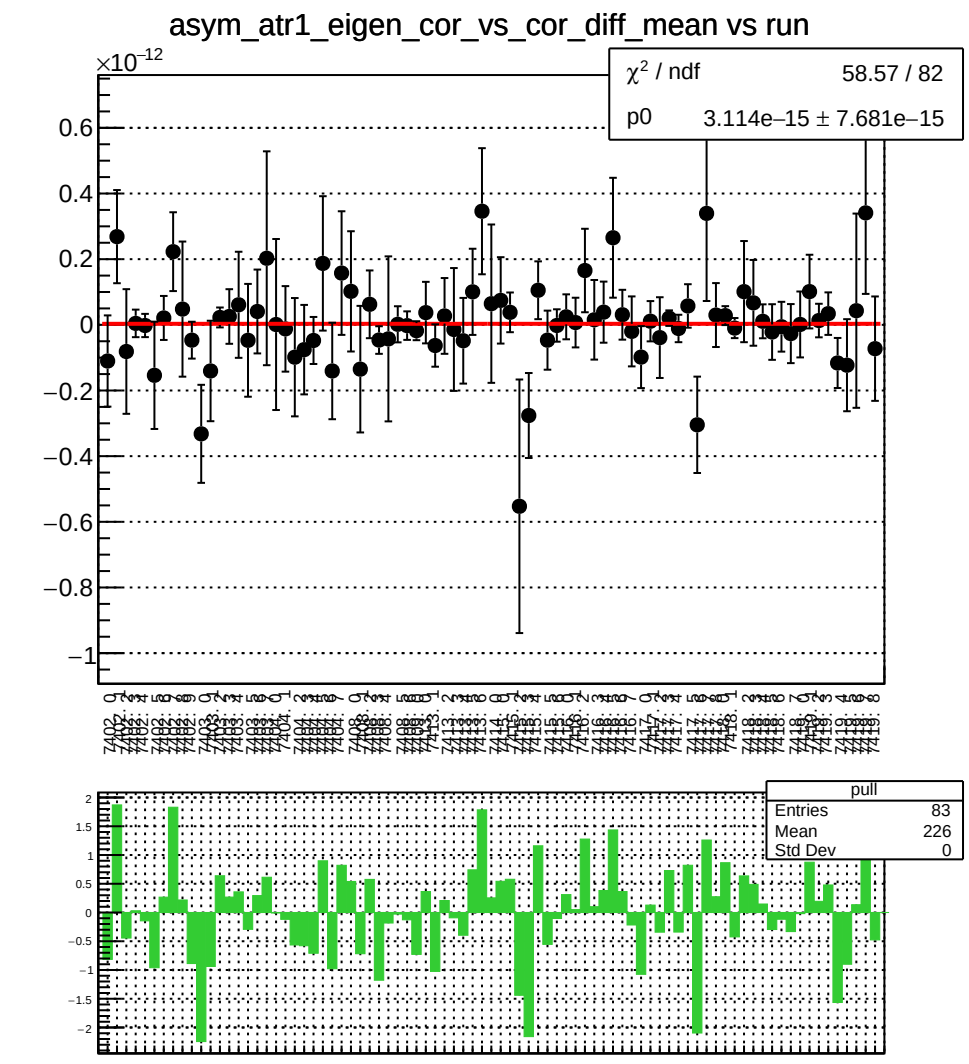

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.873e+04 / 82
p0 0.0009738 ± 7.797e−07
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
0.00085

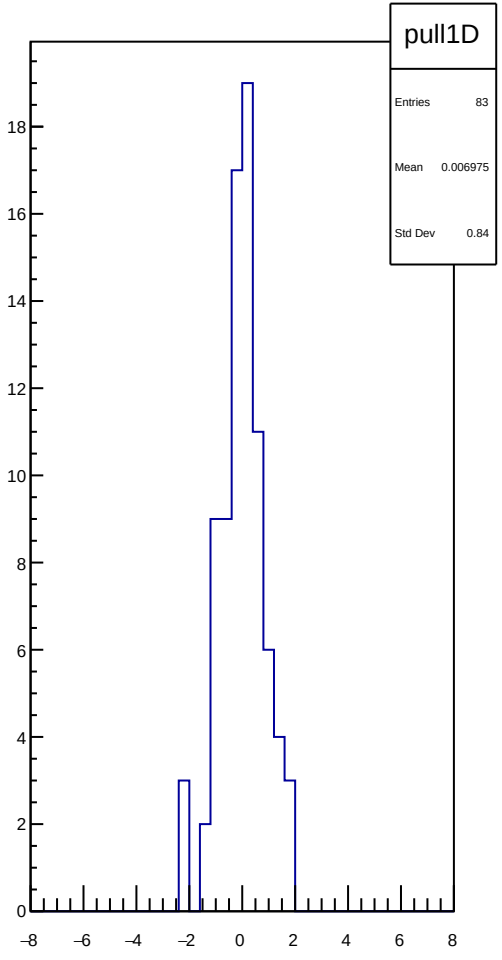

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.97 / 82
p0 −0.02057 ± 0.07293
pull
Entries 83
Mean 8.924
Std Dev 44.81
pull1D
Entries 83
Mean −0.009949
Std Dev 0.9503

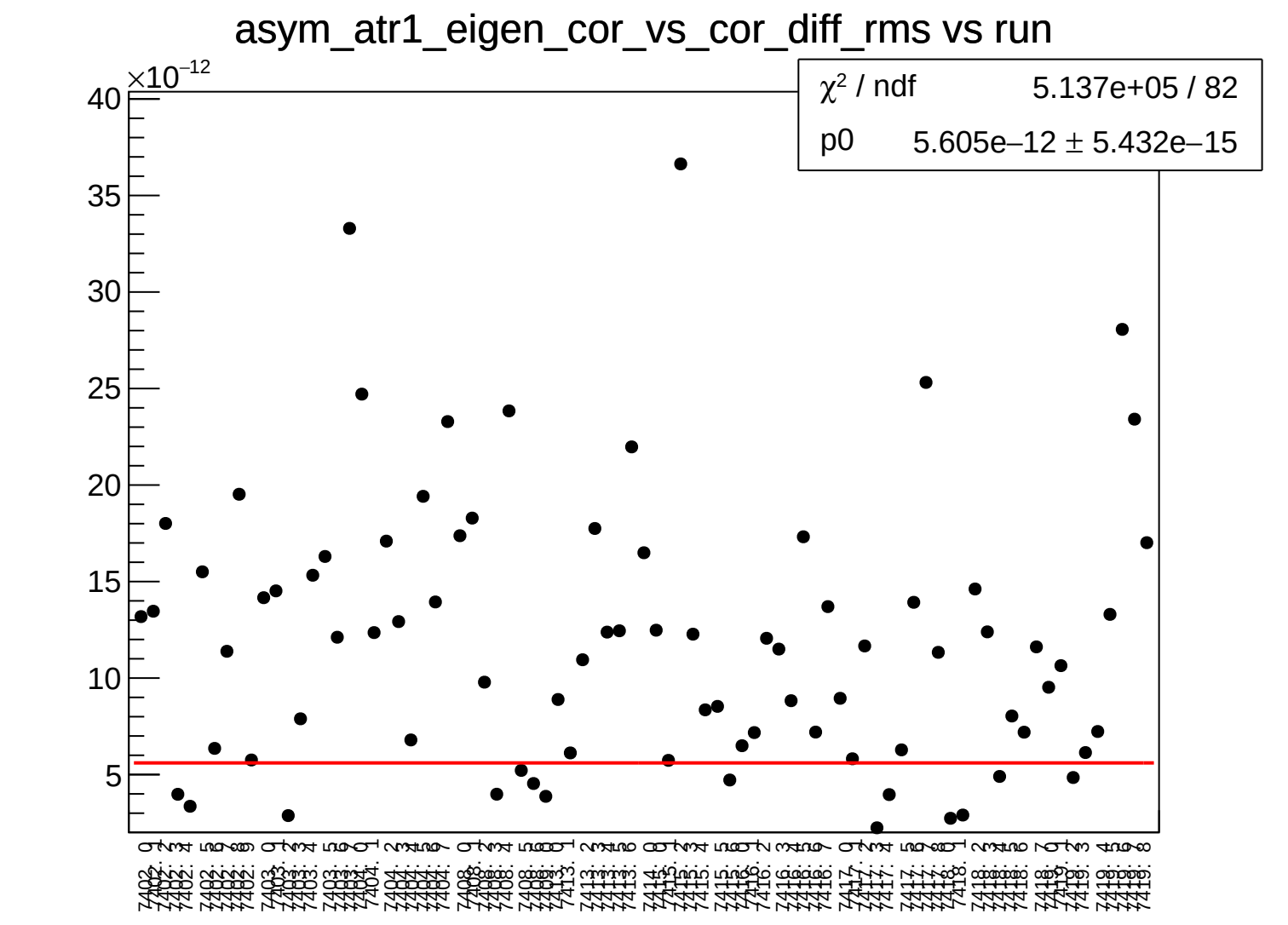

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.379e+05 / 82
p0 59.72 ± 0.05157
250
200
150
100
50

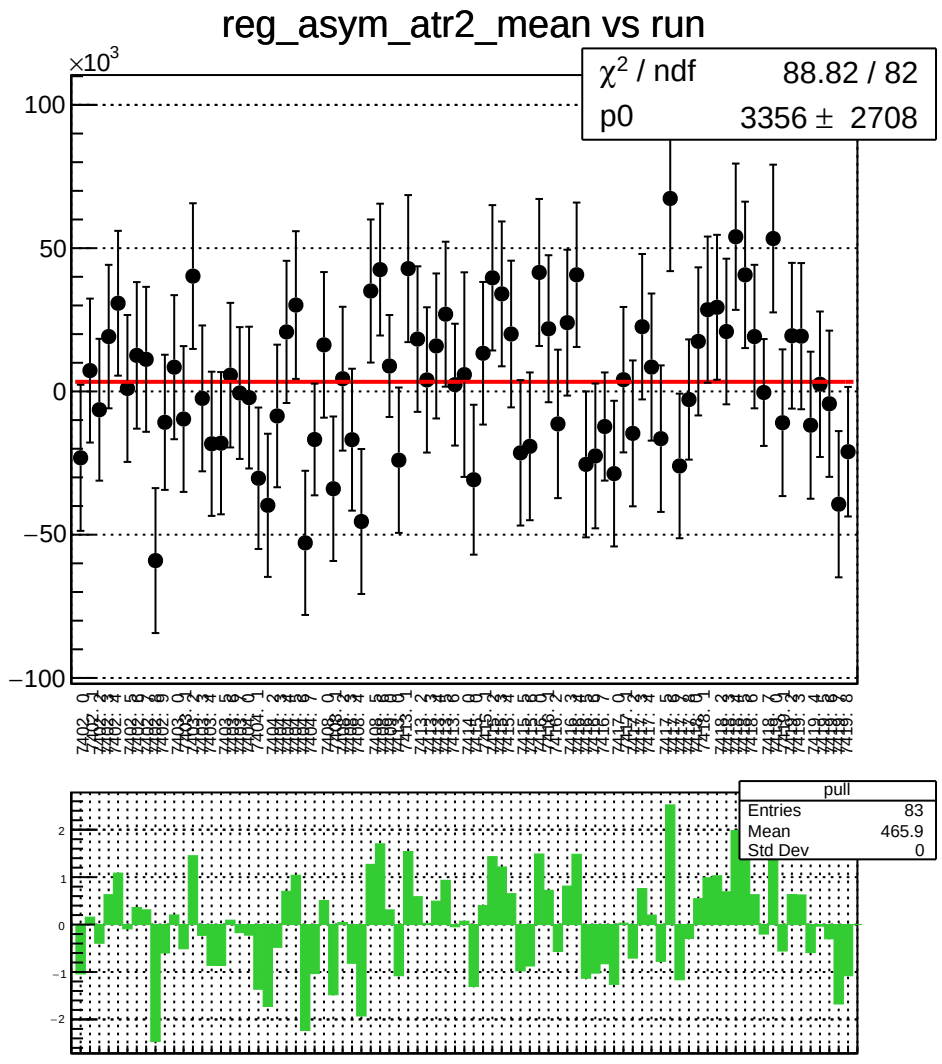

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.97 / 82
p0 −0.02057 ± 0.07293
pull
Entries 83
Mean 8.924
Std Dev 44.81
pull1D
Entries 83
Mean −0.009949
Std Dev 0.9503

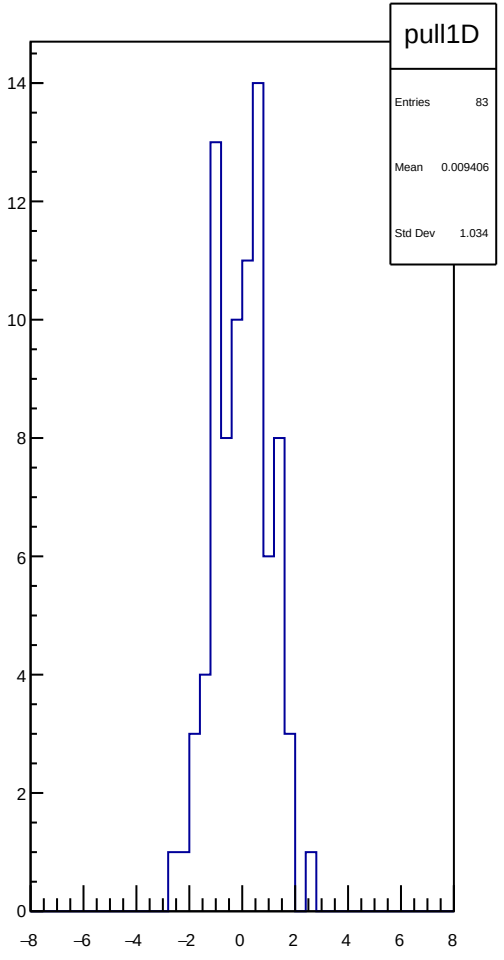

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.379e+05 / 82
p0 59.72 ± 0.05157
250
200
150
100
50

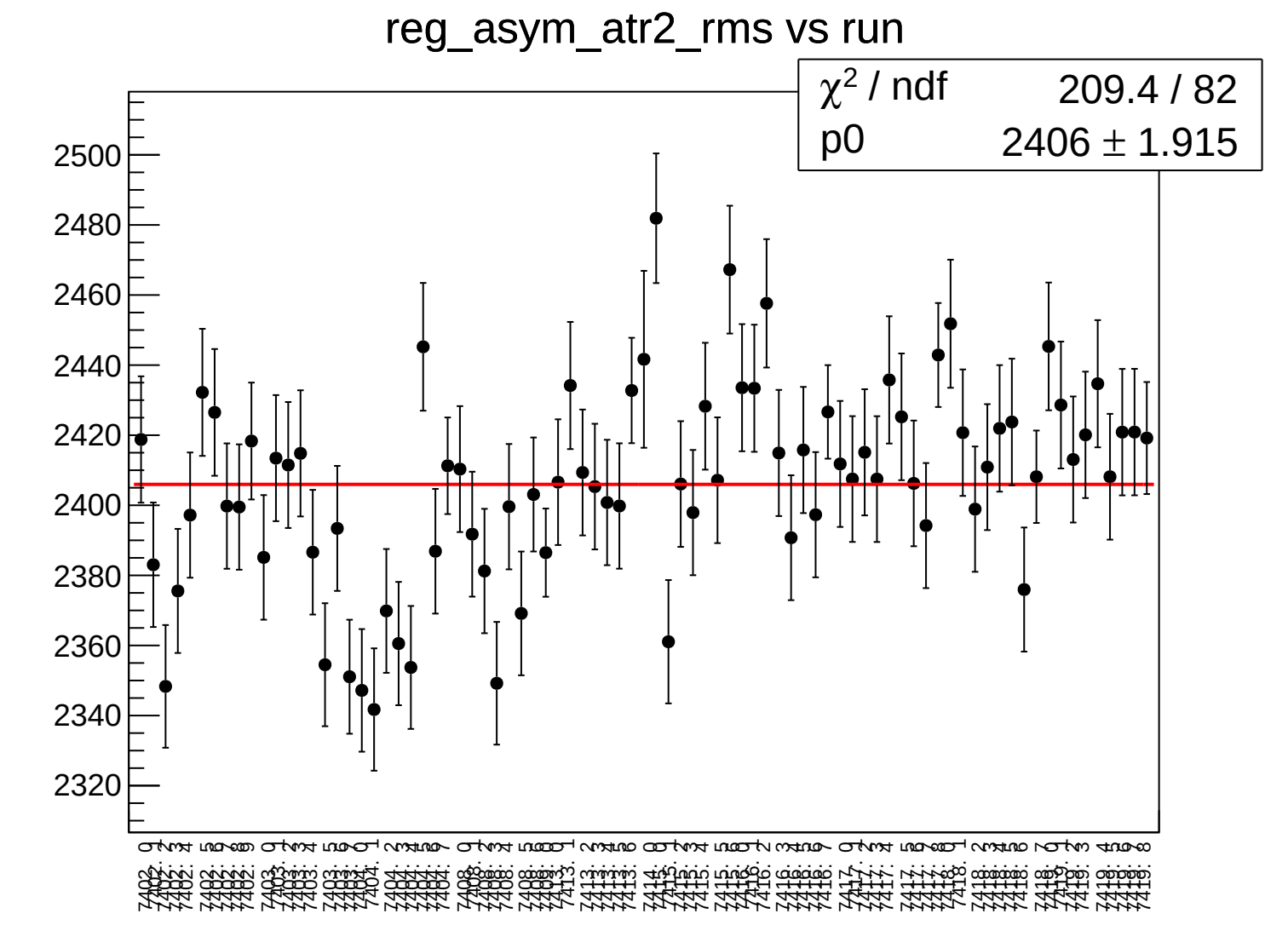

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.57 / 82
p0 3.114e−15 ± 7.681e−15
pull
Entries 83
Mean 226
Std Dev 0

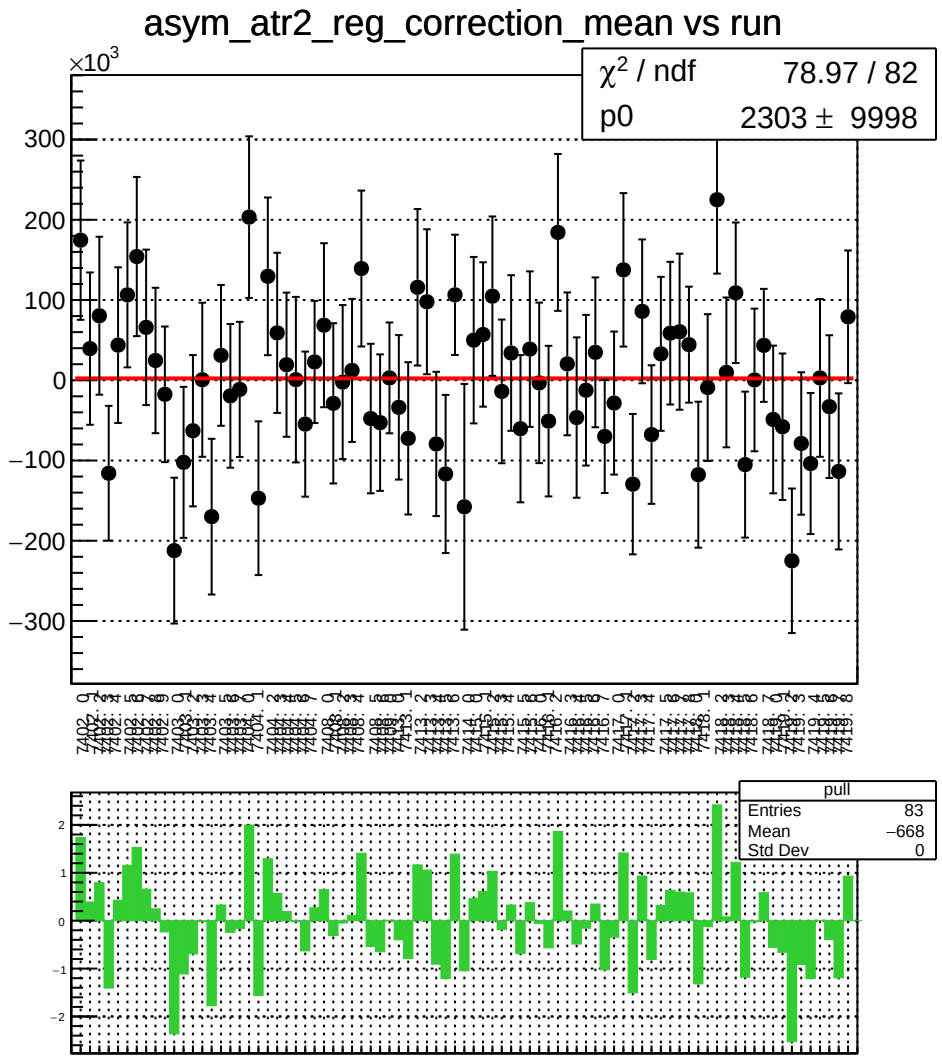

pull1D
Entries 83
Mean 0.006975
Std Dev 0.84

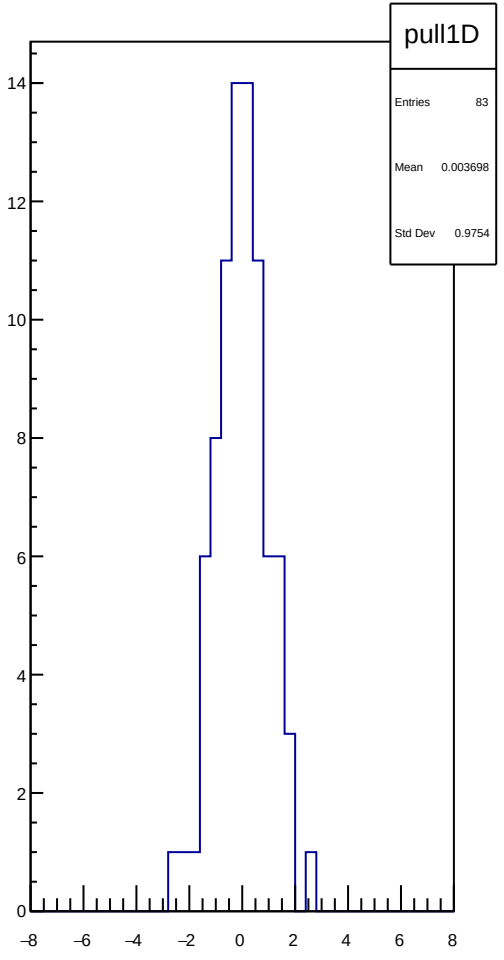

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.137e+05 / 82
p0 5.605e−12 ± 5.432e−15
40
35
30
25
20
15
10
5

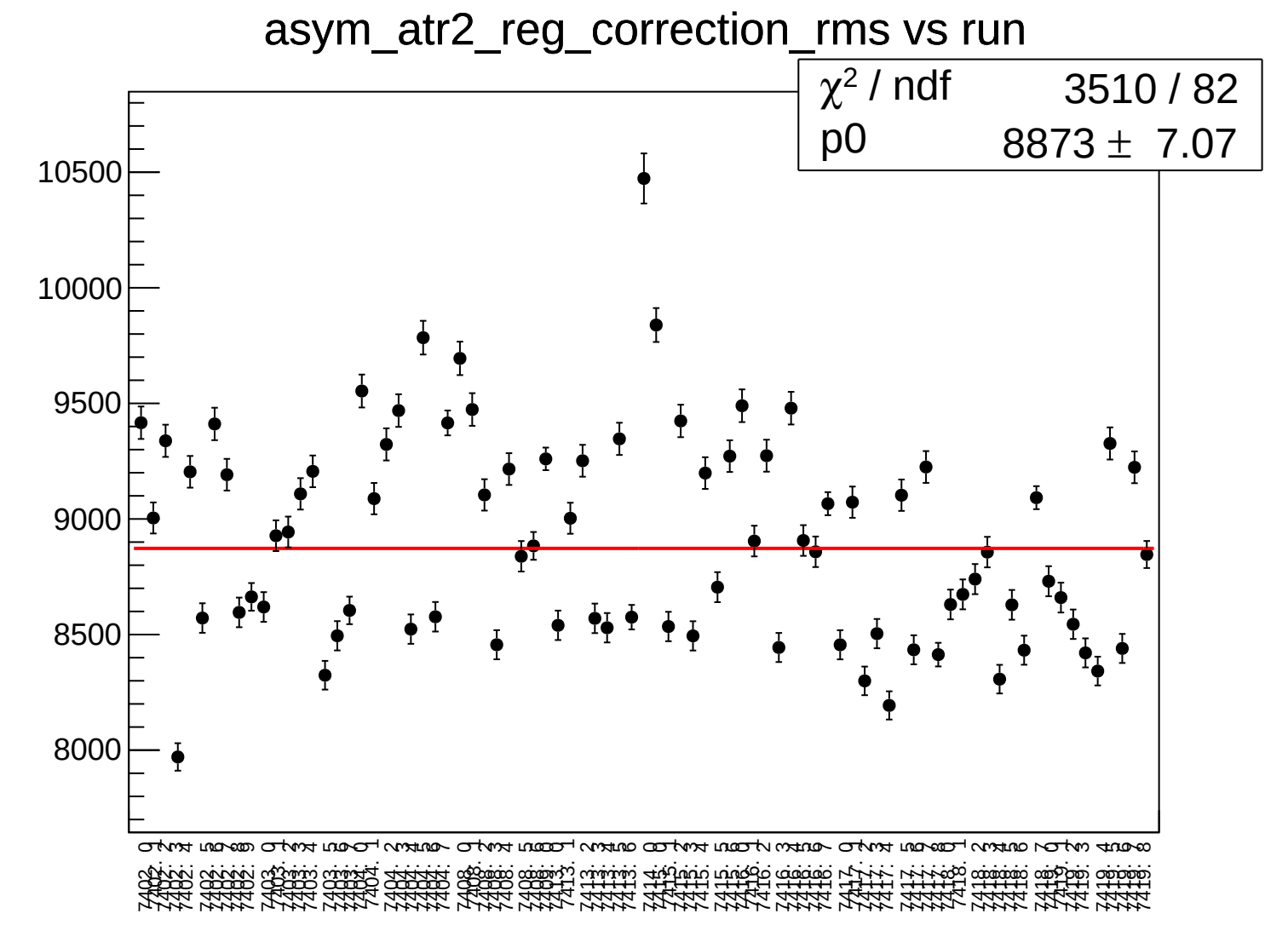

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 88.82 / 82
p0 3356 ± 2708
100
50
0
−50
−100
pull
Entries 83
Mean 465.9
Std Dev 0
2
1
0
−1
−2

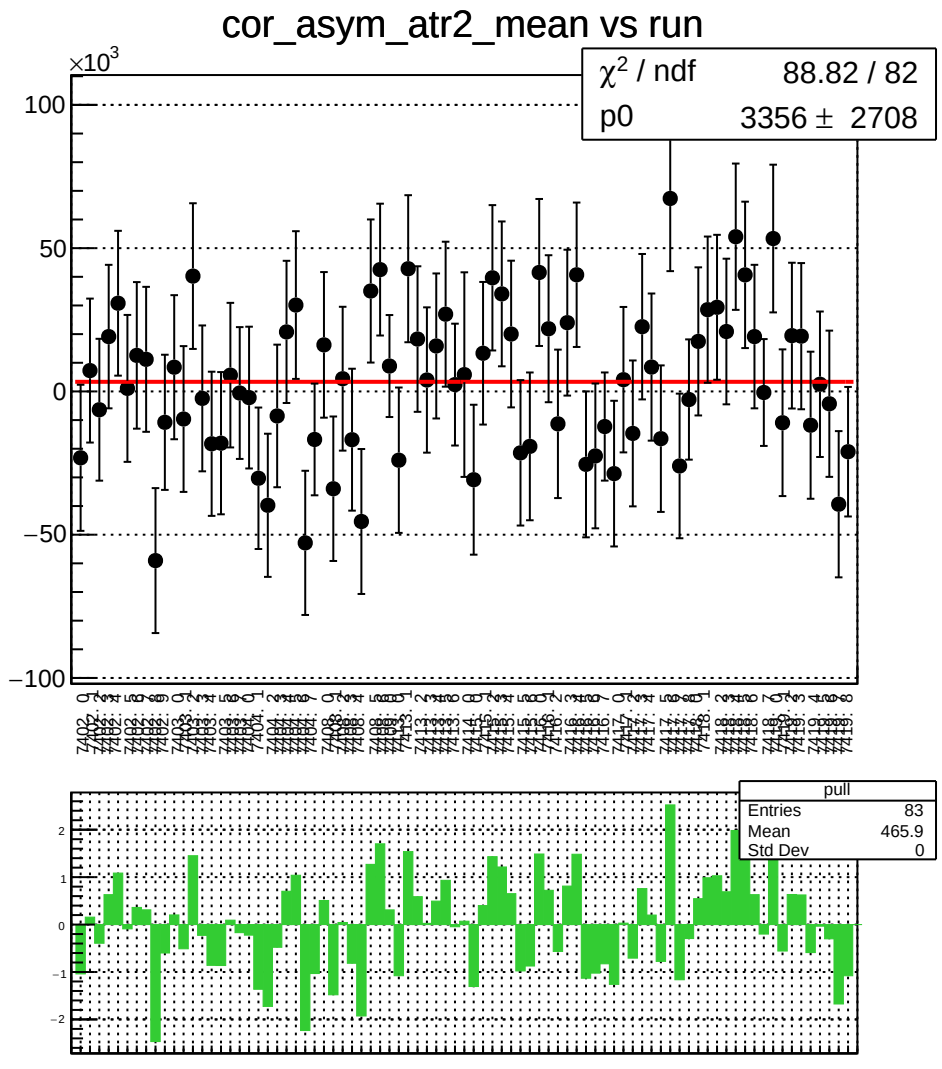

pull1D
Entries 83
Mean 0.009406
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

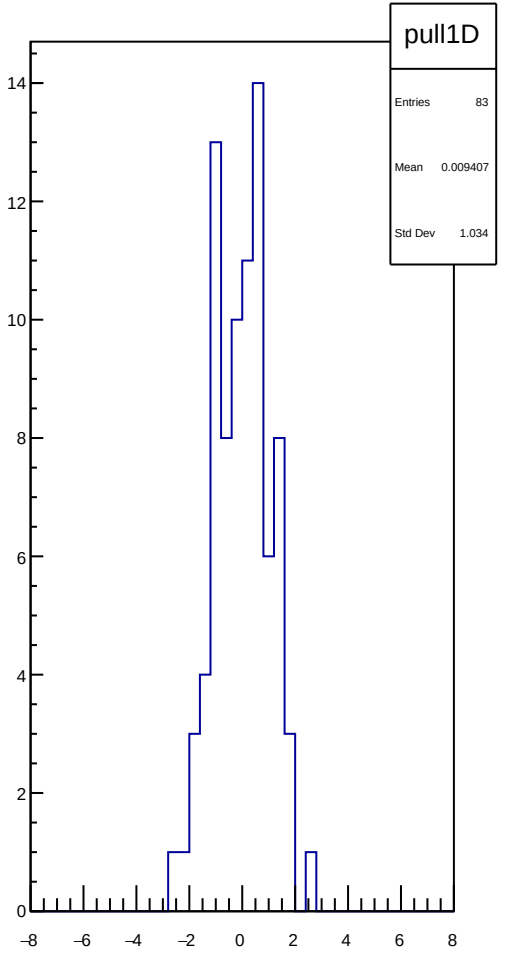

reg_asym_atr2_rms vs run
χ^2 / ndf 209.4 / 82
p0 2406 ± 1.915
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320


asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 78.97 / 82
p0 2303 ± 9998
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −668
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.003698
Std Dev 0.9754
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_reg_correction_rms vs run
χ² / ndf 3510 / 82
p0 8873 ± 7.07
10500
10000
9500
9000
8500
8000


cor_asym_atr2_mean vs run
×10^3
χ² / ndf 88.82 / 82
p0 3356 ± 2708
100
50
0
−50
−100
pull
Entries 83
Mean 465.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.009407
Std Dev 1.034
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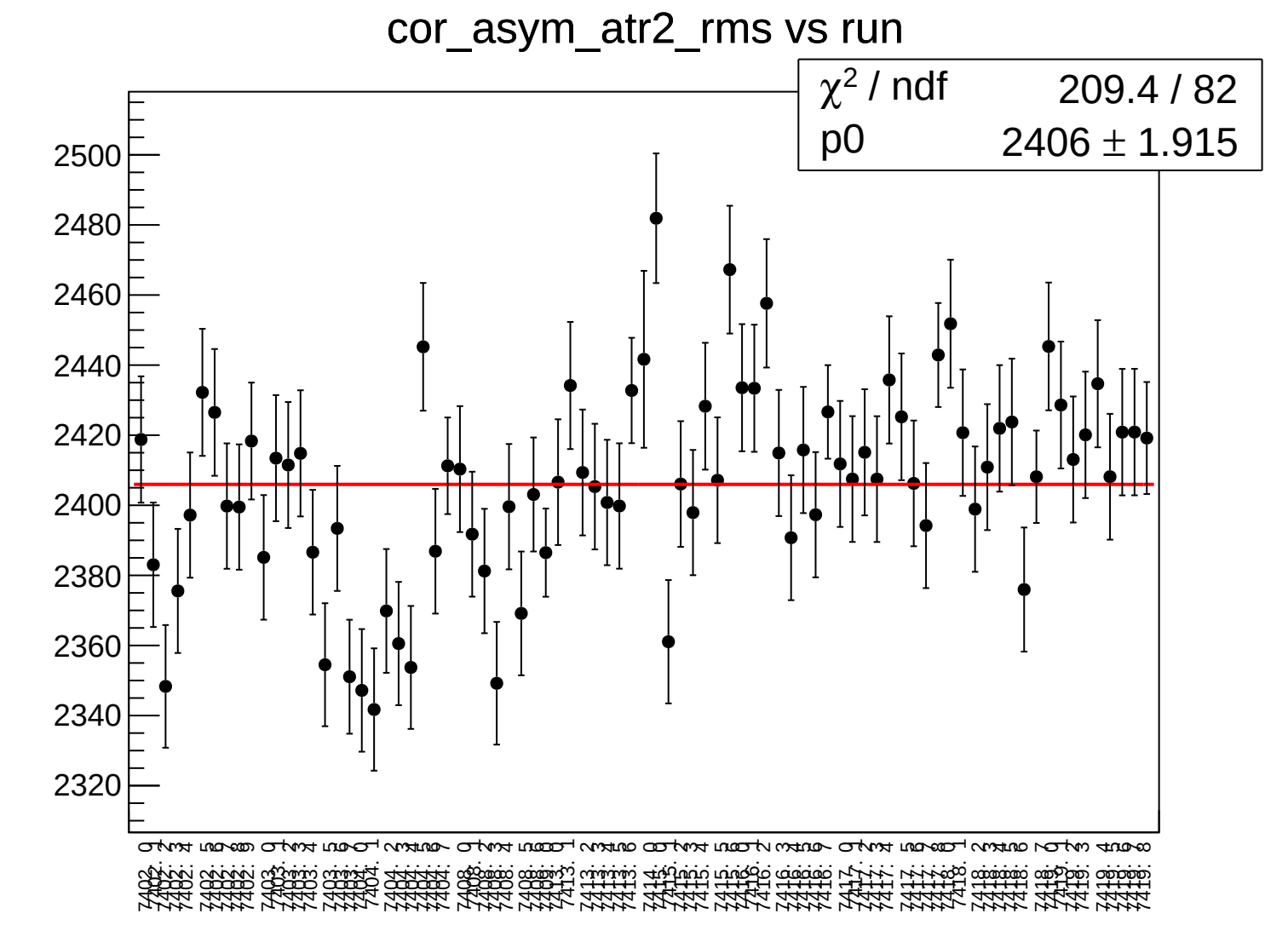
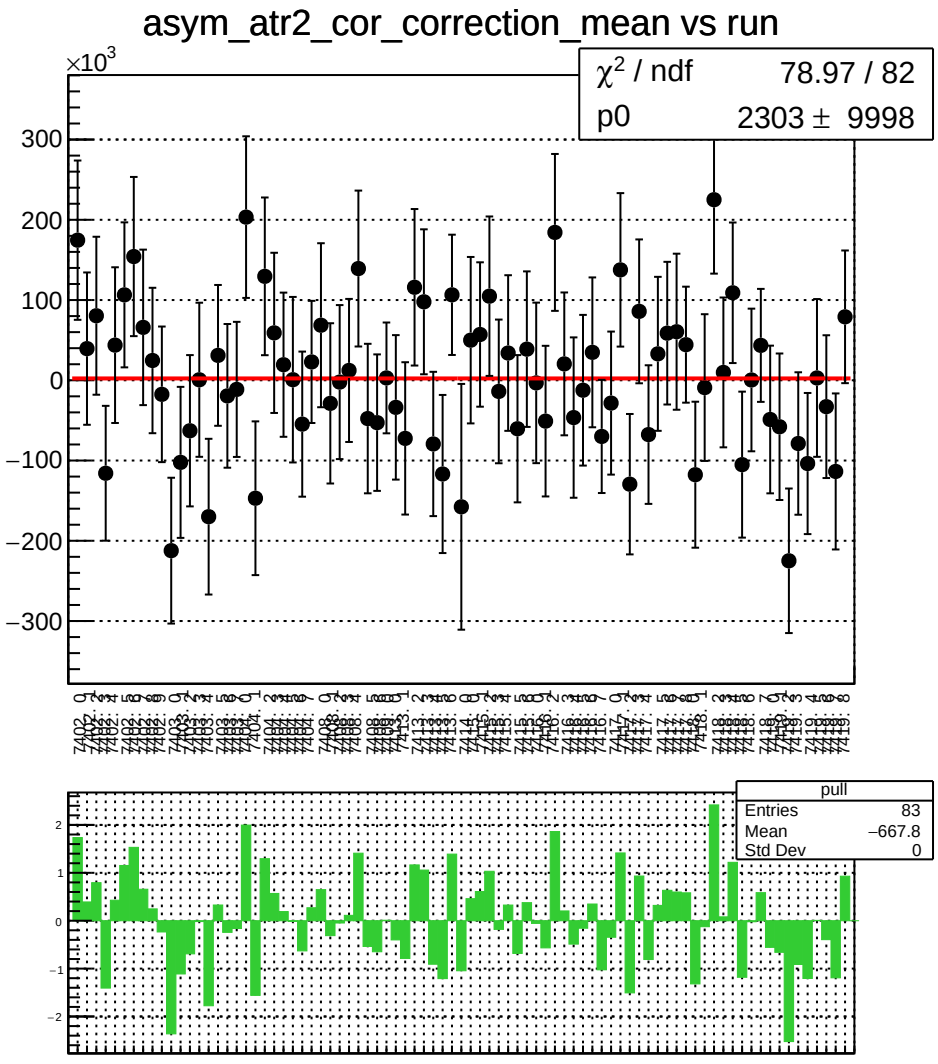
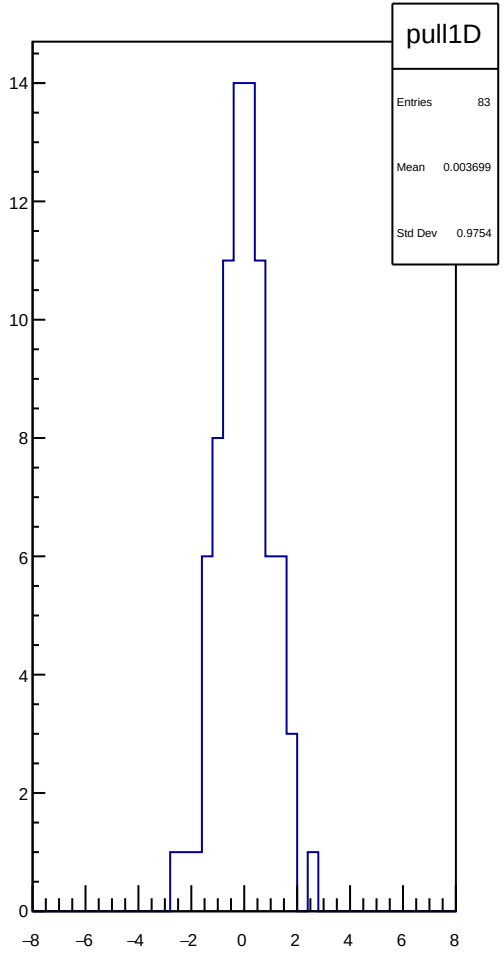
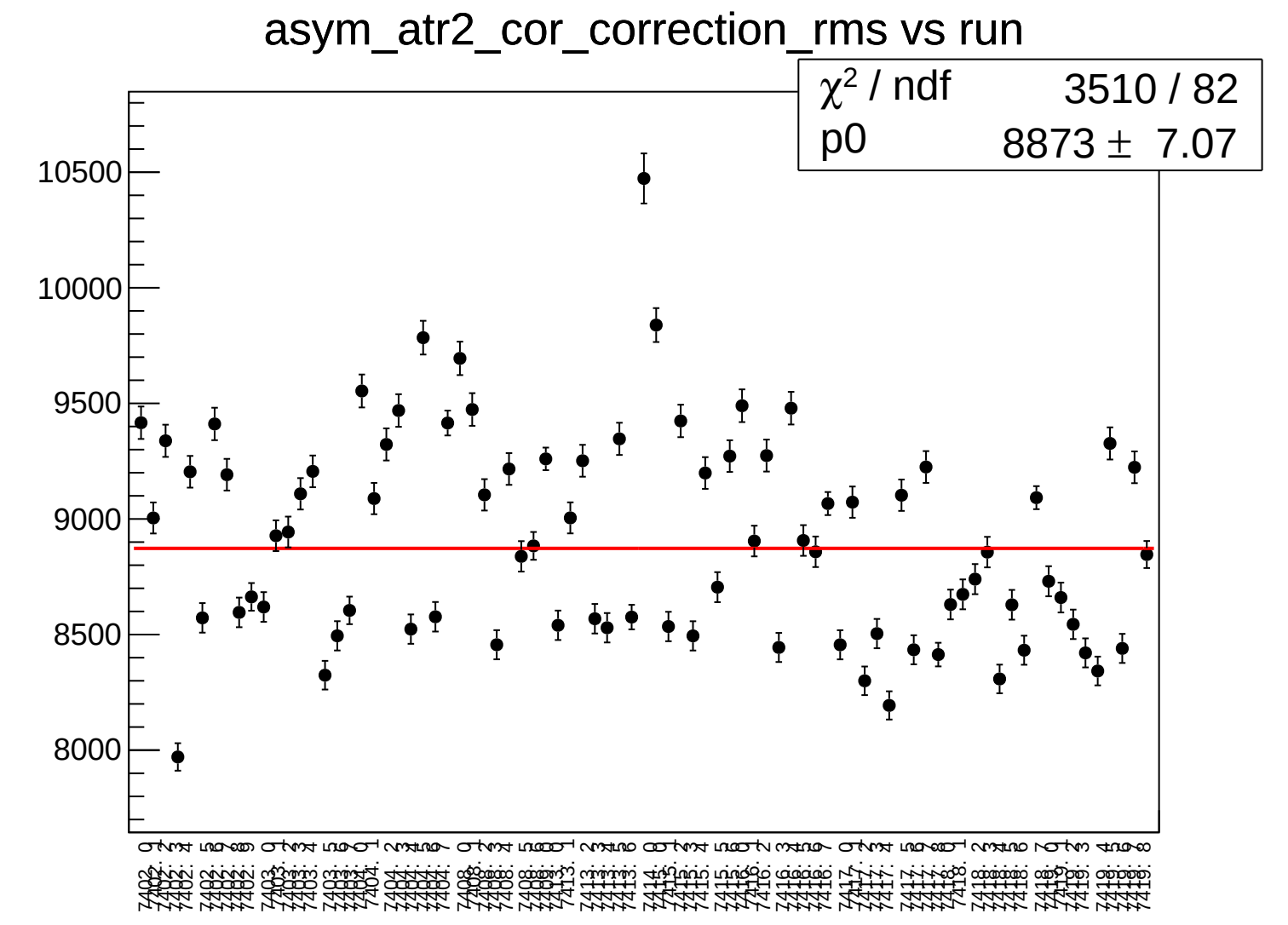
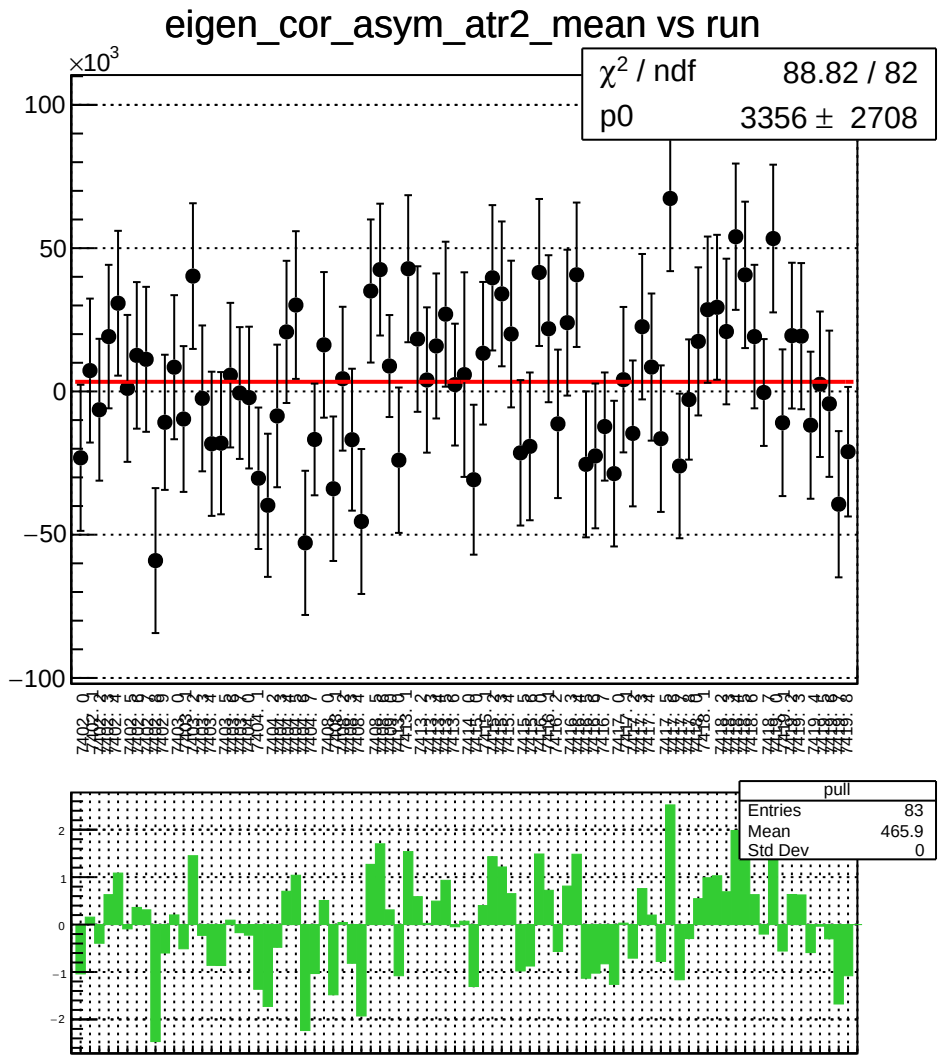
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

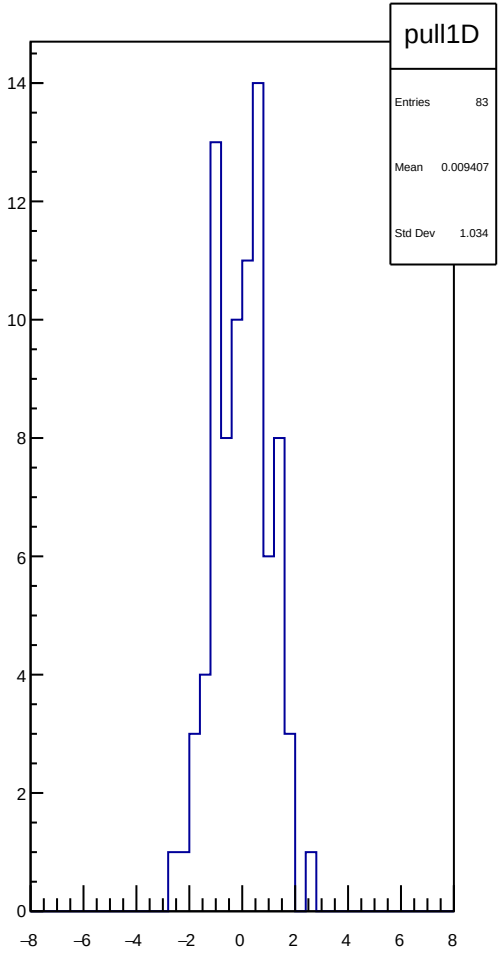

cor_asym_atr2_rms vs run
χ² / ndf 209.4 / 82
p0 2406 ± 1.915
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320

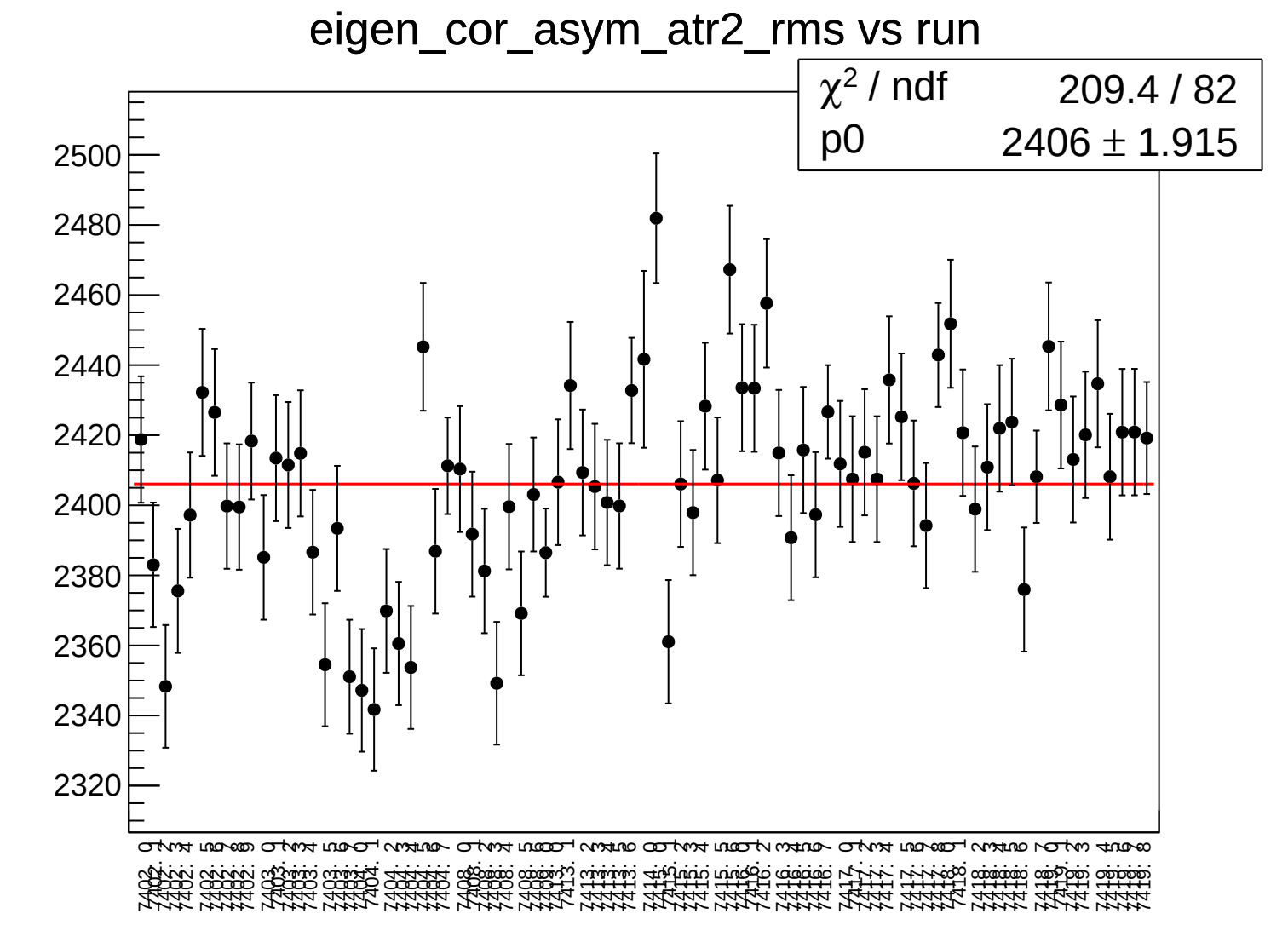

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 78.97 / 82
p0 2303 ± 9998
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −667.8
Std Dev 0
2
1
0
−1
−2

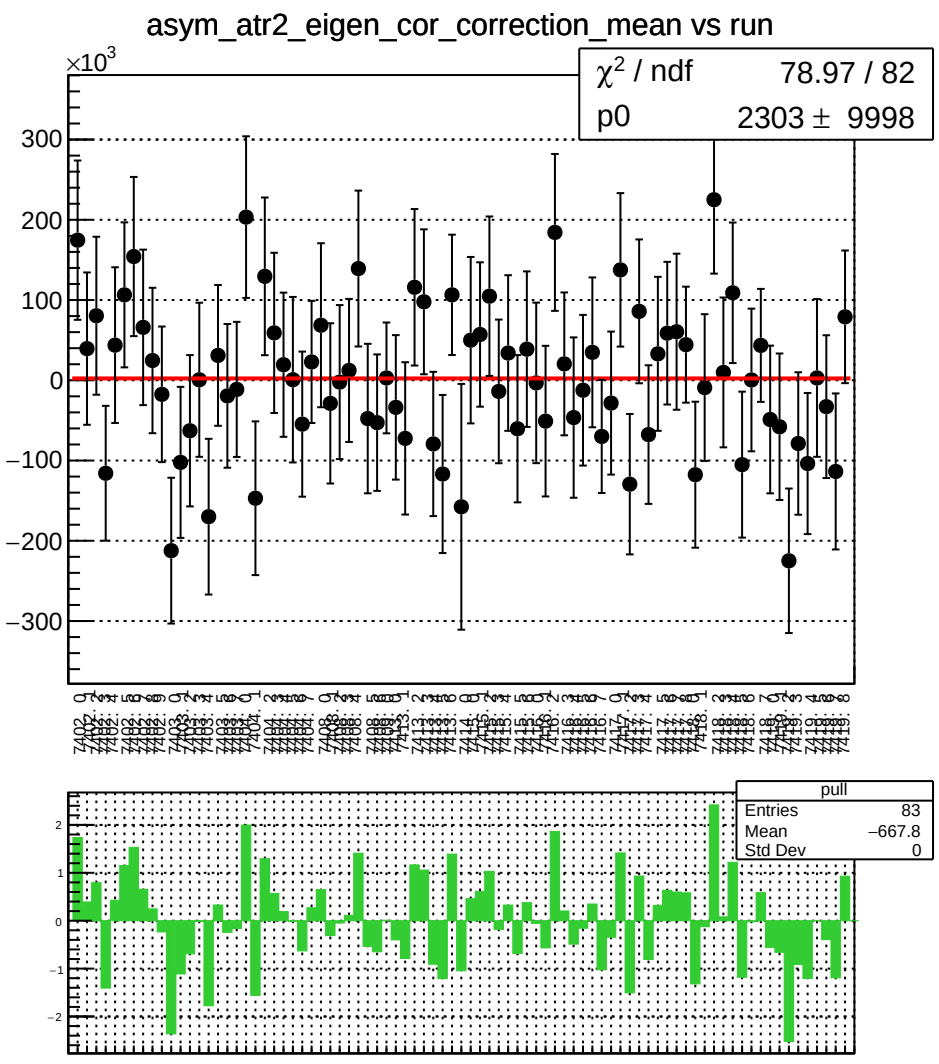

pull1D
Entries 83
Mean 0.003699
Std Dev 0.9754
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

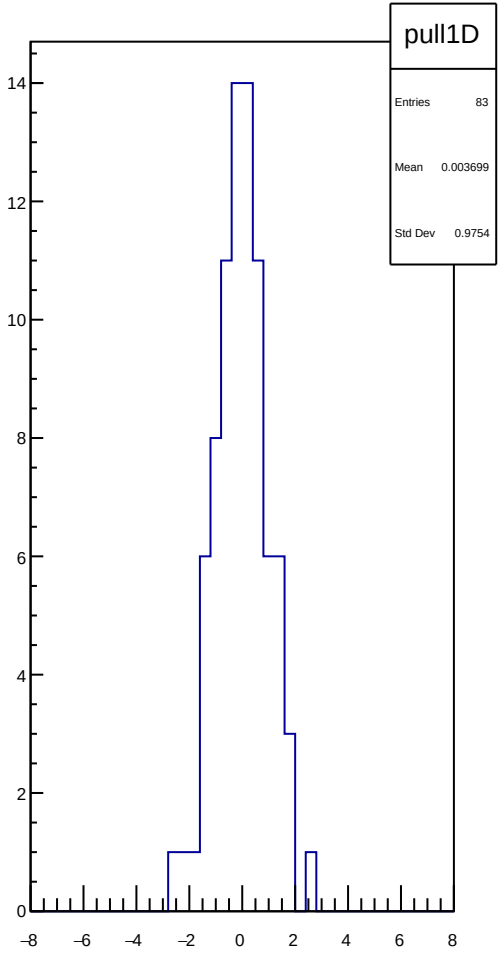

asym_atr2_cor_correction_rms vs run
χ² / ndf 3510 / 82
p0 8873 ± 7.07
10500
10000
9500
9000
8500
8000

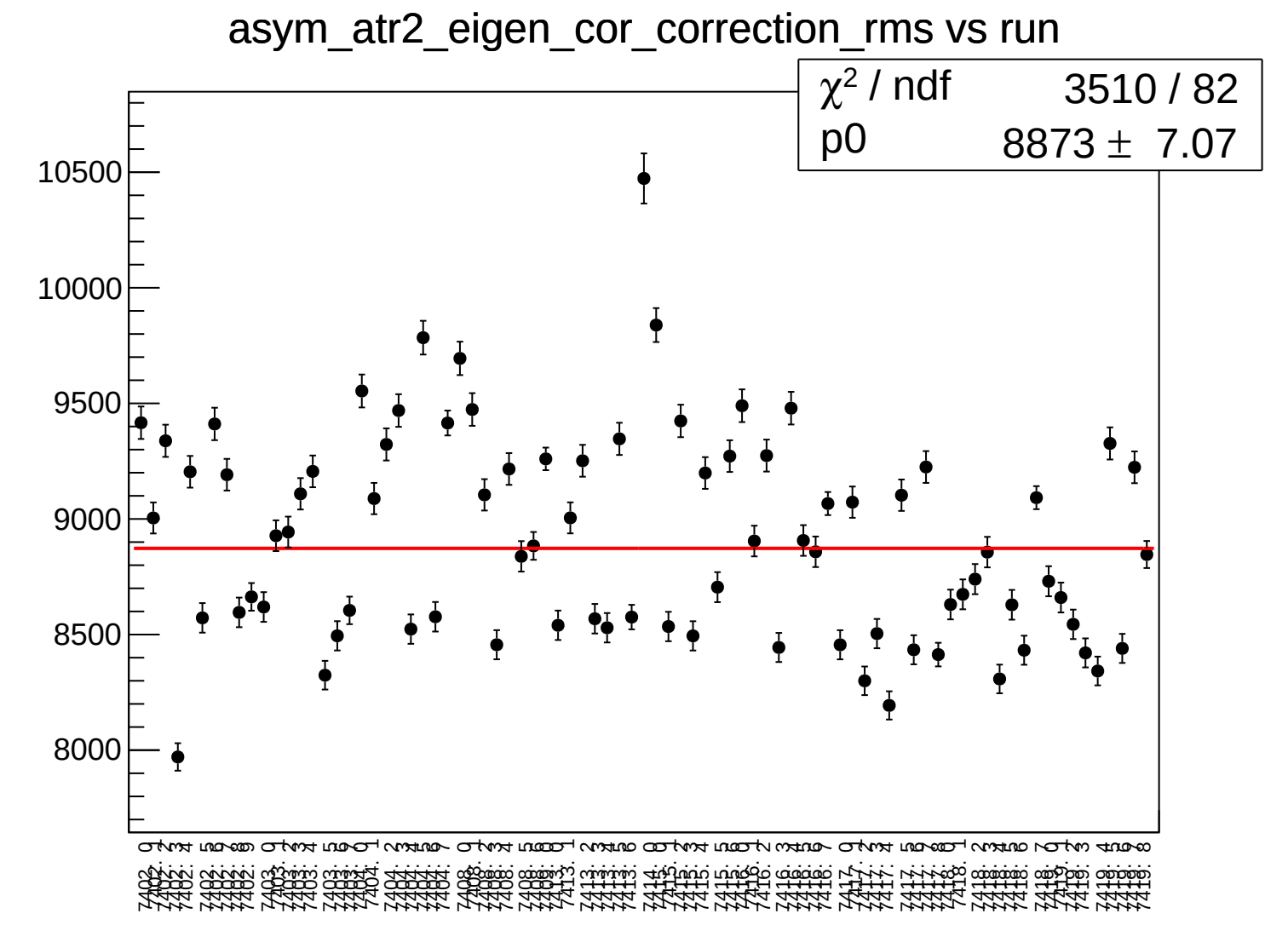

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 88.82 / 82
p0 3356 ± 2708
100
50
0
−50
−100
pull
Entries 83
Mean 465.9
Std Dev 0
2
1
0
−1
−2

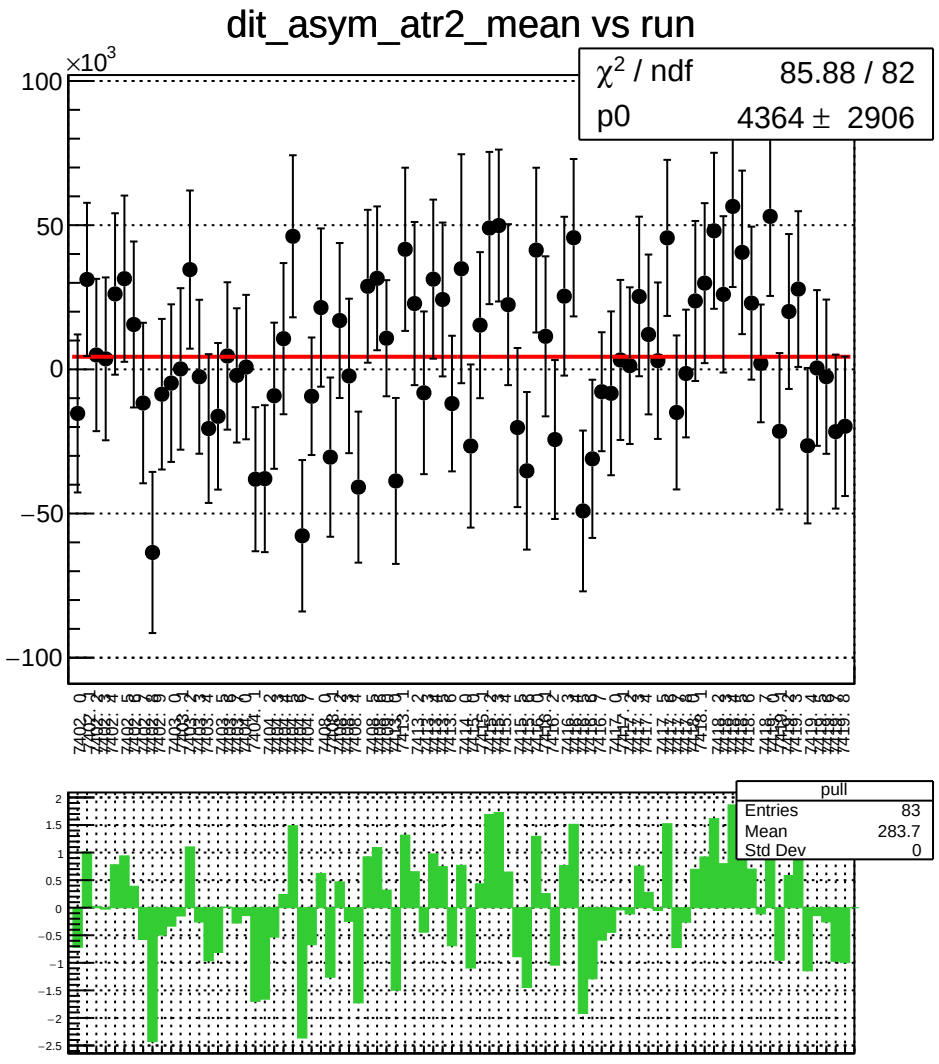

pull1D
Entries 83
Mean 0.009407
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

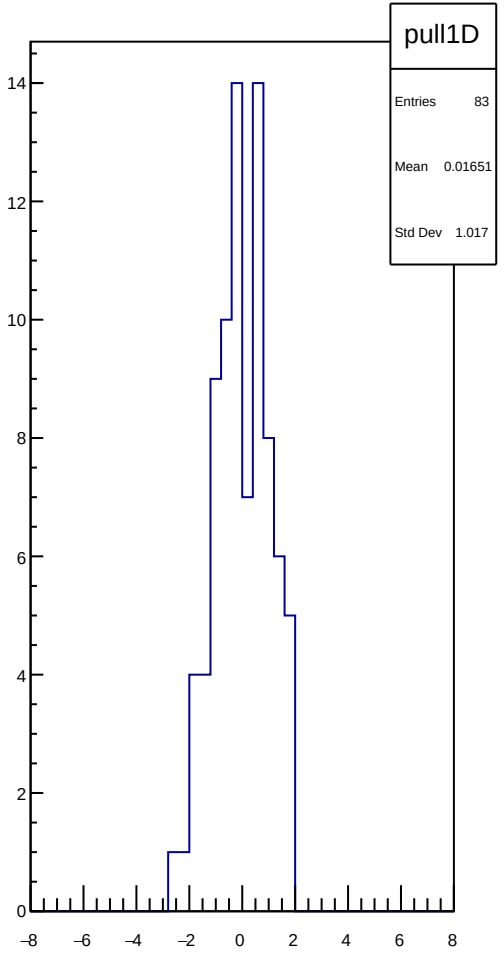

eigen_cor_asym_atr2_rms vs run
χ² / ndf 209.4 / 82
p0 2406 ± 1.915
2500
2480
2460
2440
2420
2400
2380
2360
2340
2320

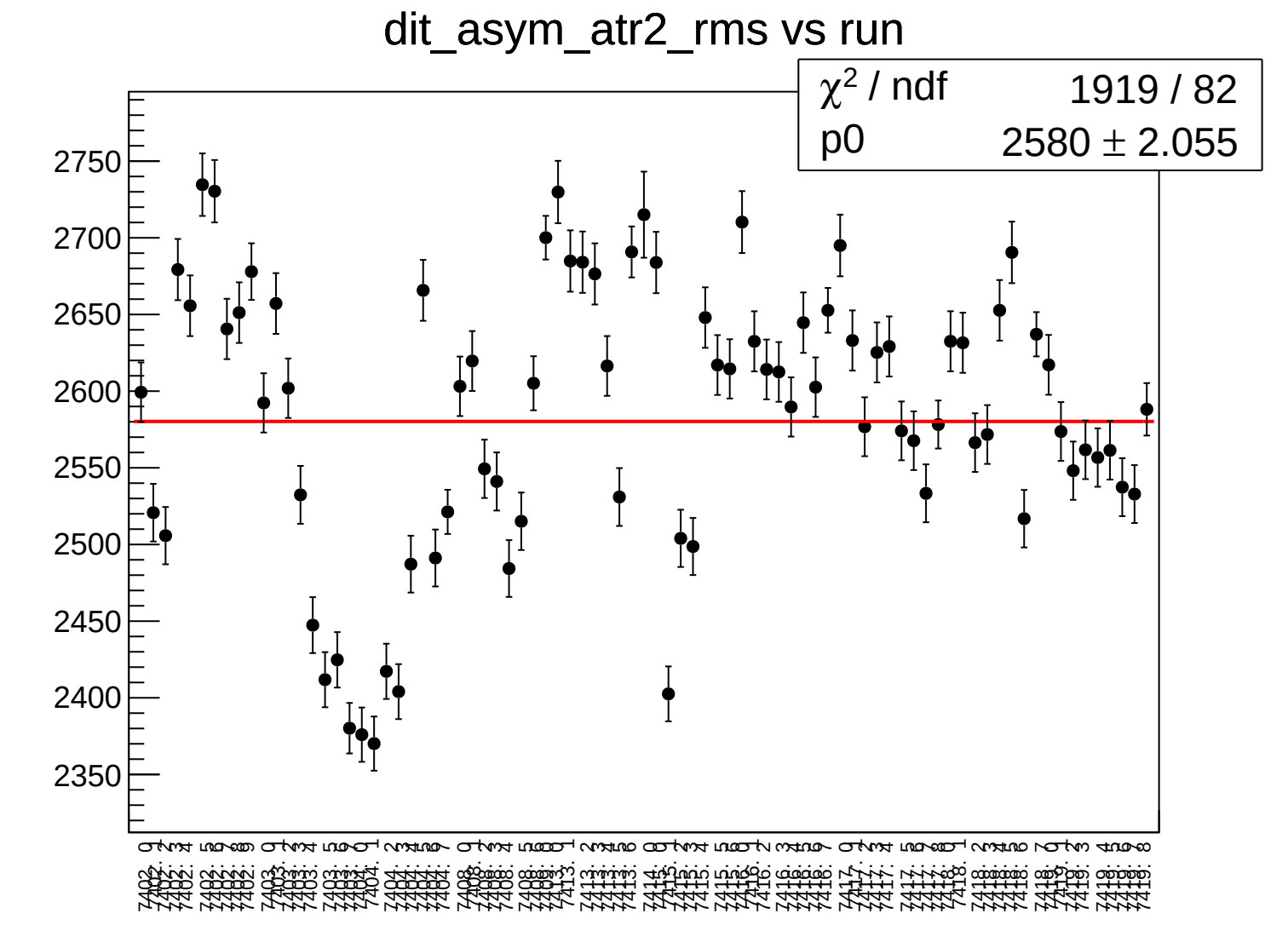

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 78.97 / 82
p0 2303 ± 9998
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −667.8
Std Dev 0
2
1
0
−1
−2

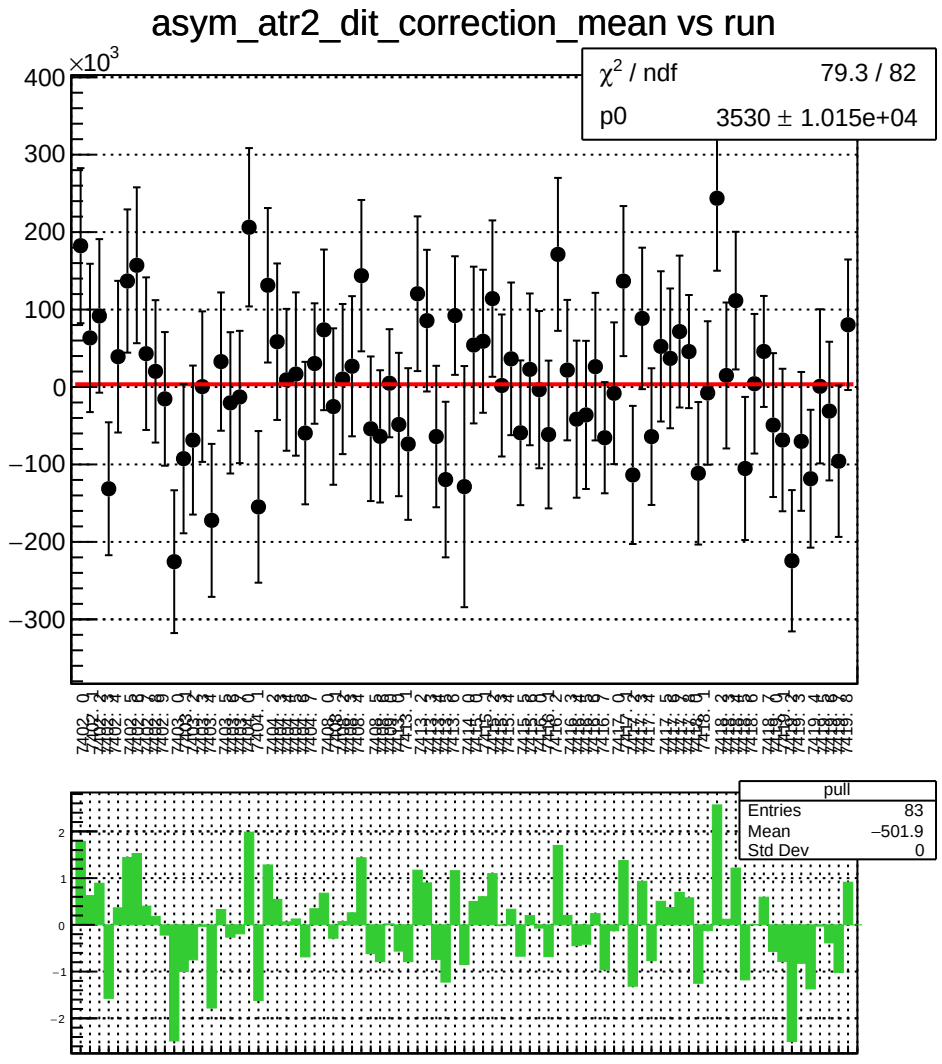

pull1D
Entries 83
Mean 0.003699
Std Dev 0.9754
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

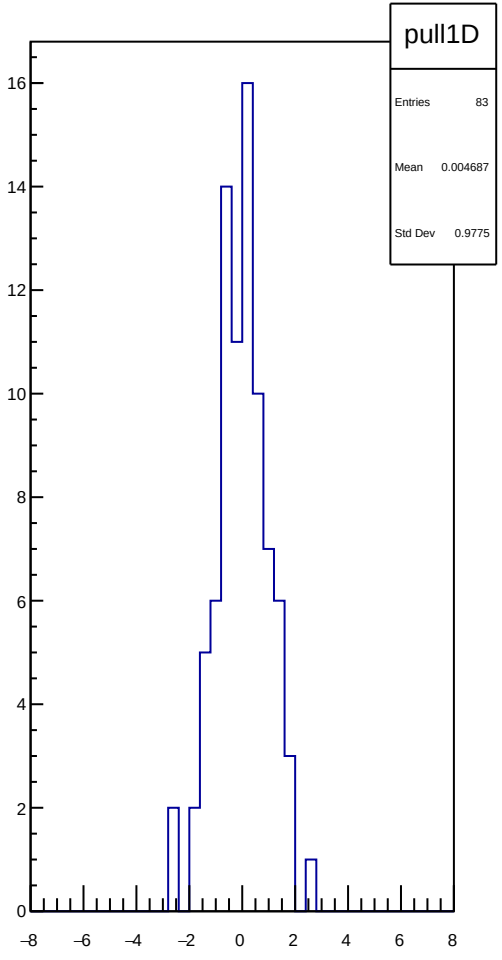

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 3510 / 82
p0 8873 ± 7.07
10500
10000
9500
9000
8500
8000

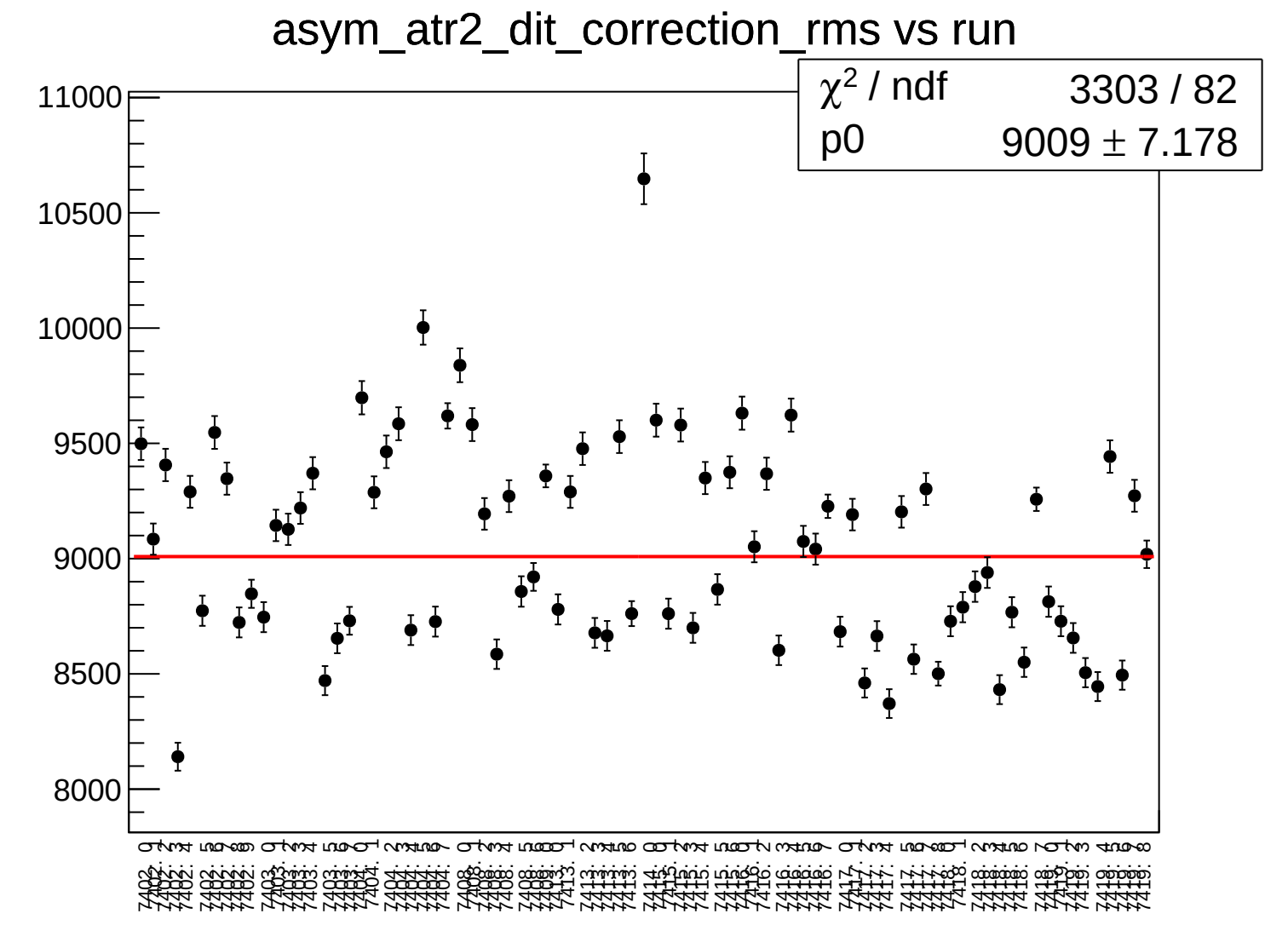

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 85.88 / 82
p0 4364 ± 2906
100
50
0
−50
−100
pull
Entries 83
Mean 283.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

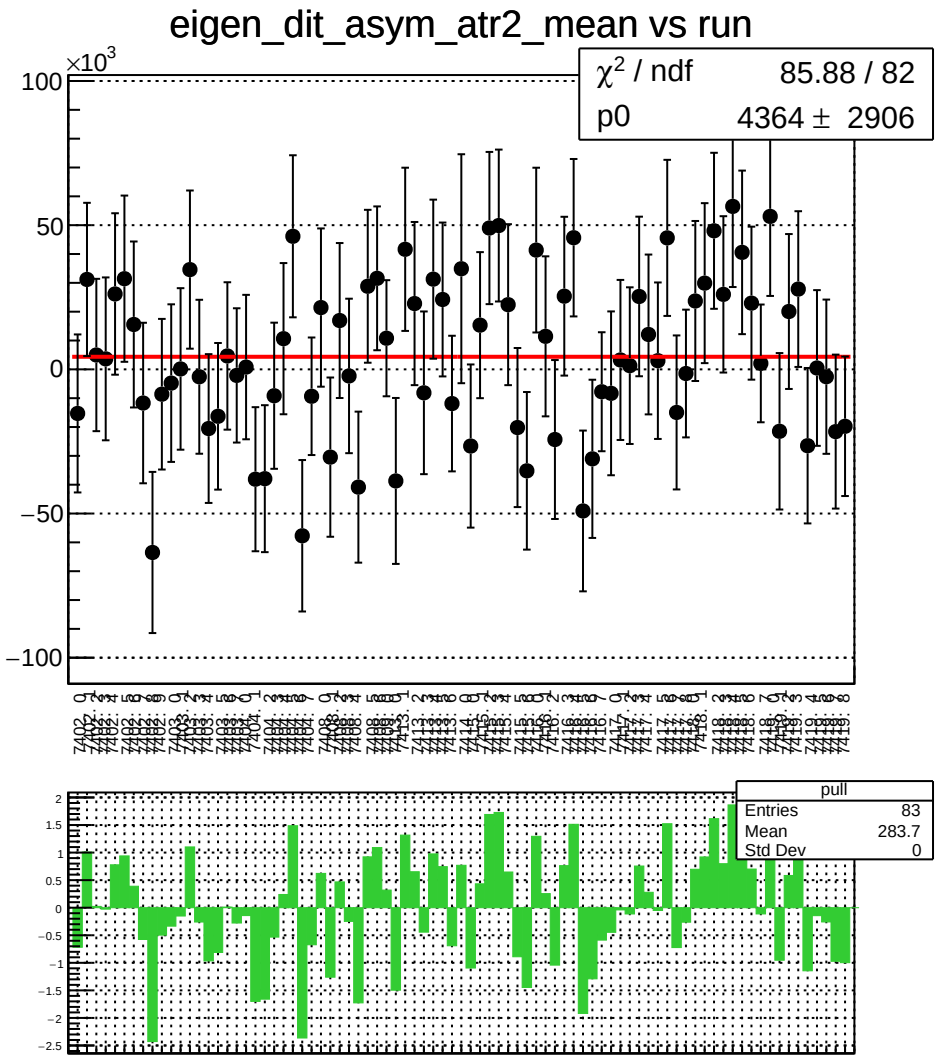

pull1D
Entries 83
Mean 0.01651
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

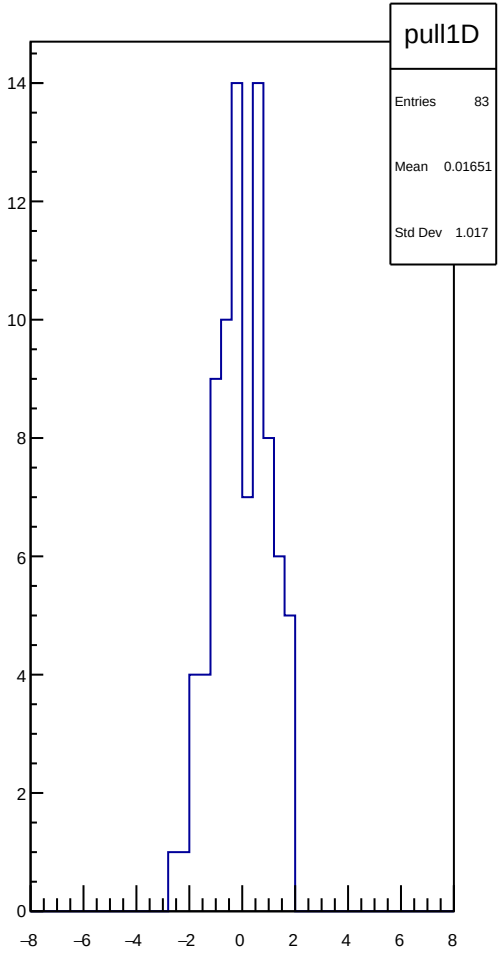

dit_asym_atr2_rms vs run
χ² / ndf 1919 / 82
p0 2580 ± 2.055
2750
2700
2650
2600
2550
2500
2450
2400
2350

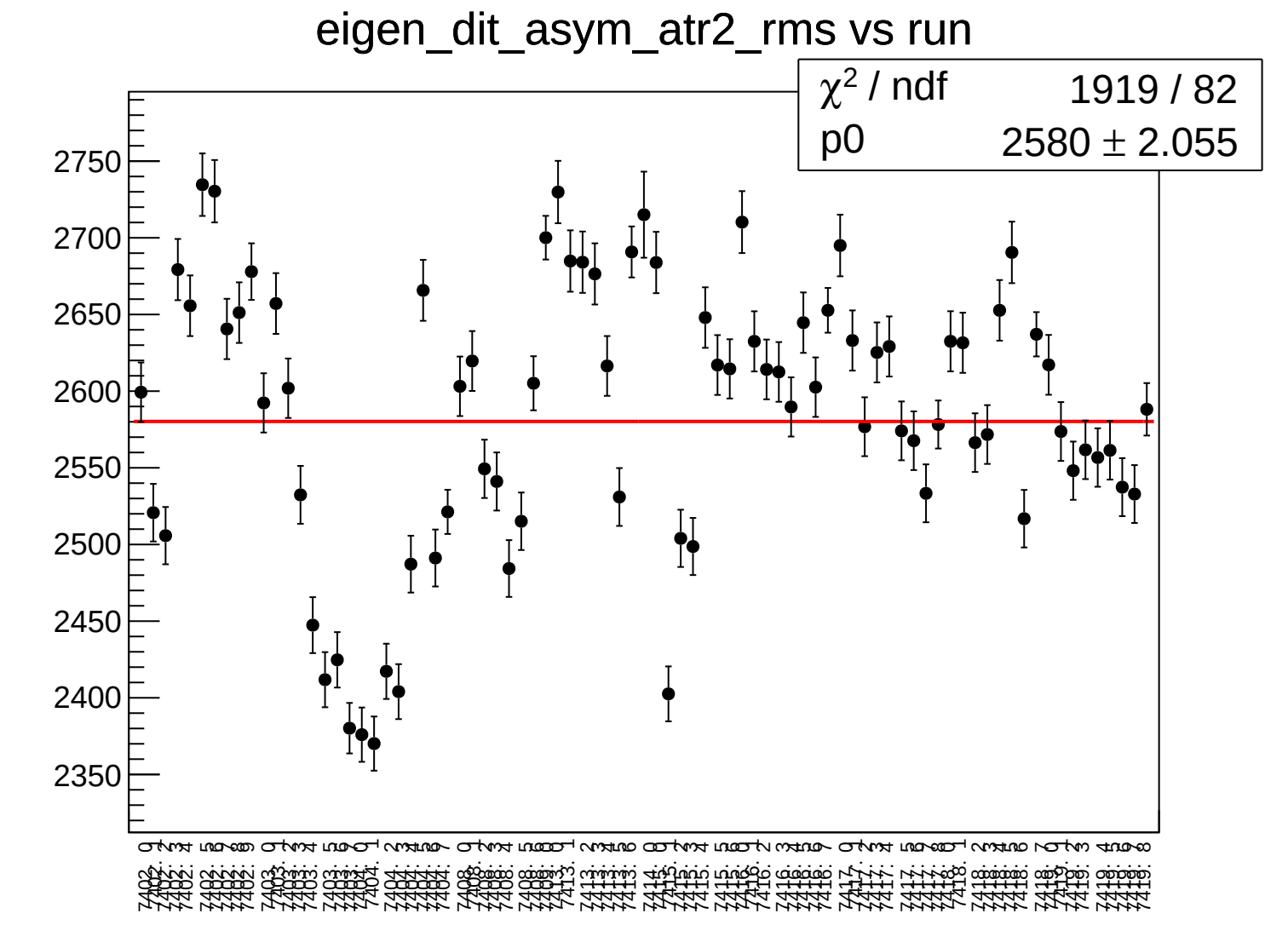

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 79.3 / 82
p0 3530 ± 1.015e+04
pull
Entries 83
Mean −501.9
Std Dev 0

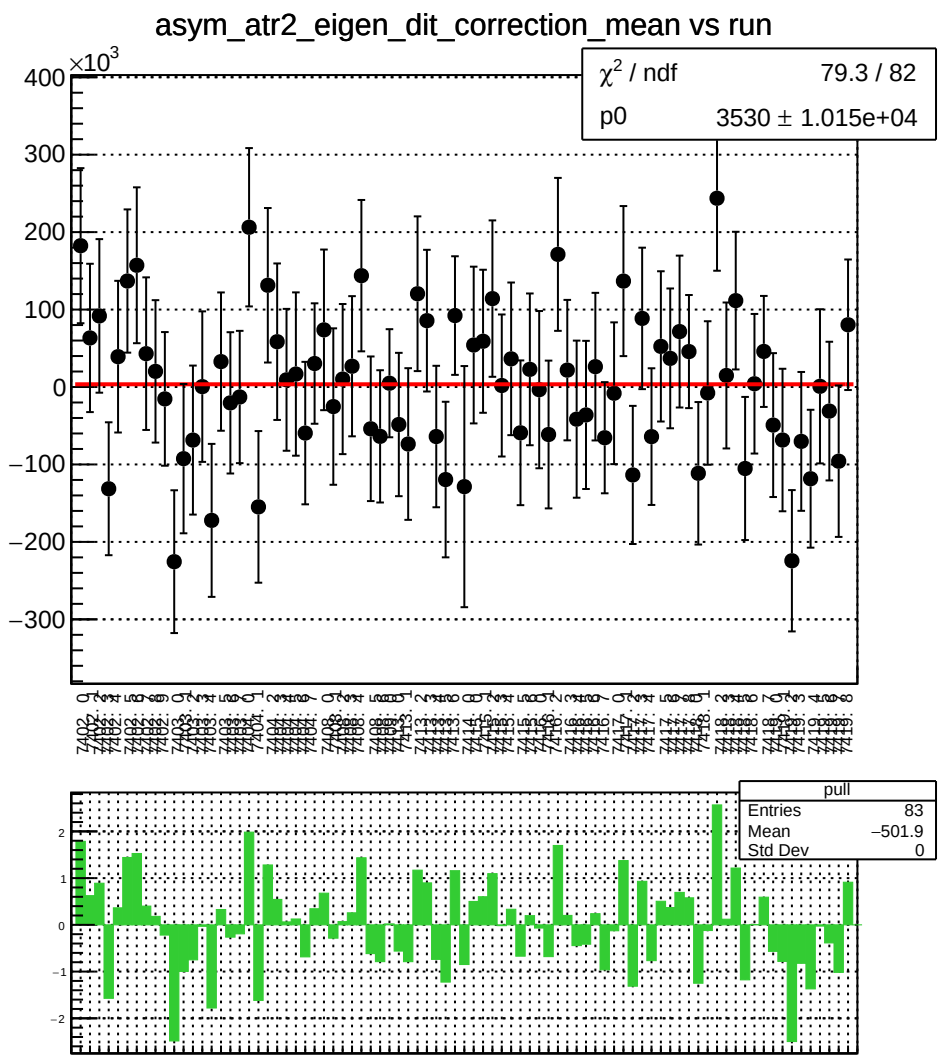

pull1D
Entries 83
Mean 0.004687
Std Dev 0.9775

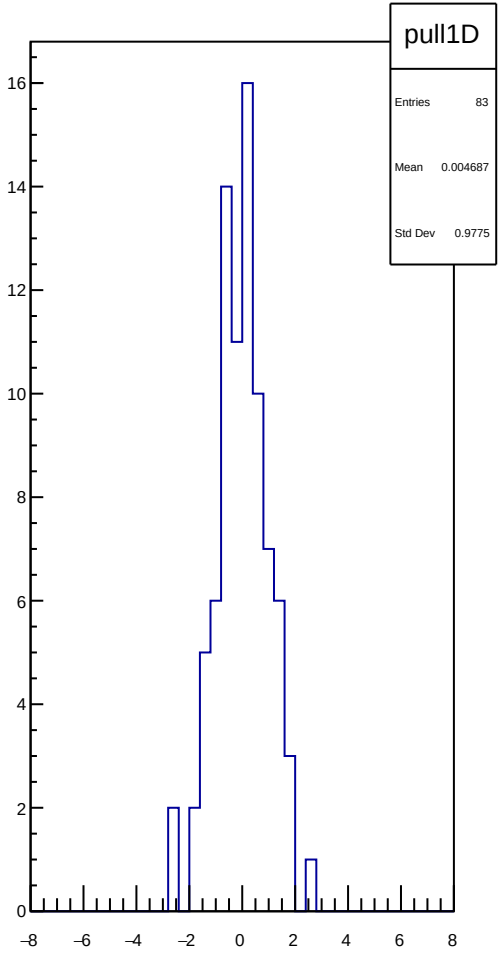

asym_atr2_dit_correction_rms vs run
χ² / ndf 3303 / 82
p0 9009 ± 7.178
11000
10500
10000
9500
9000
8500
8000

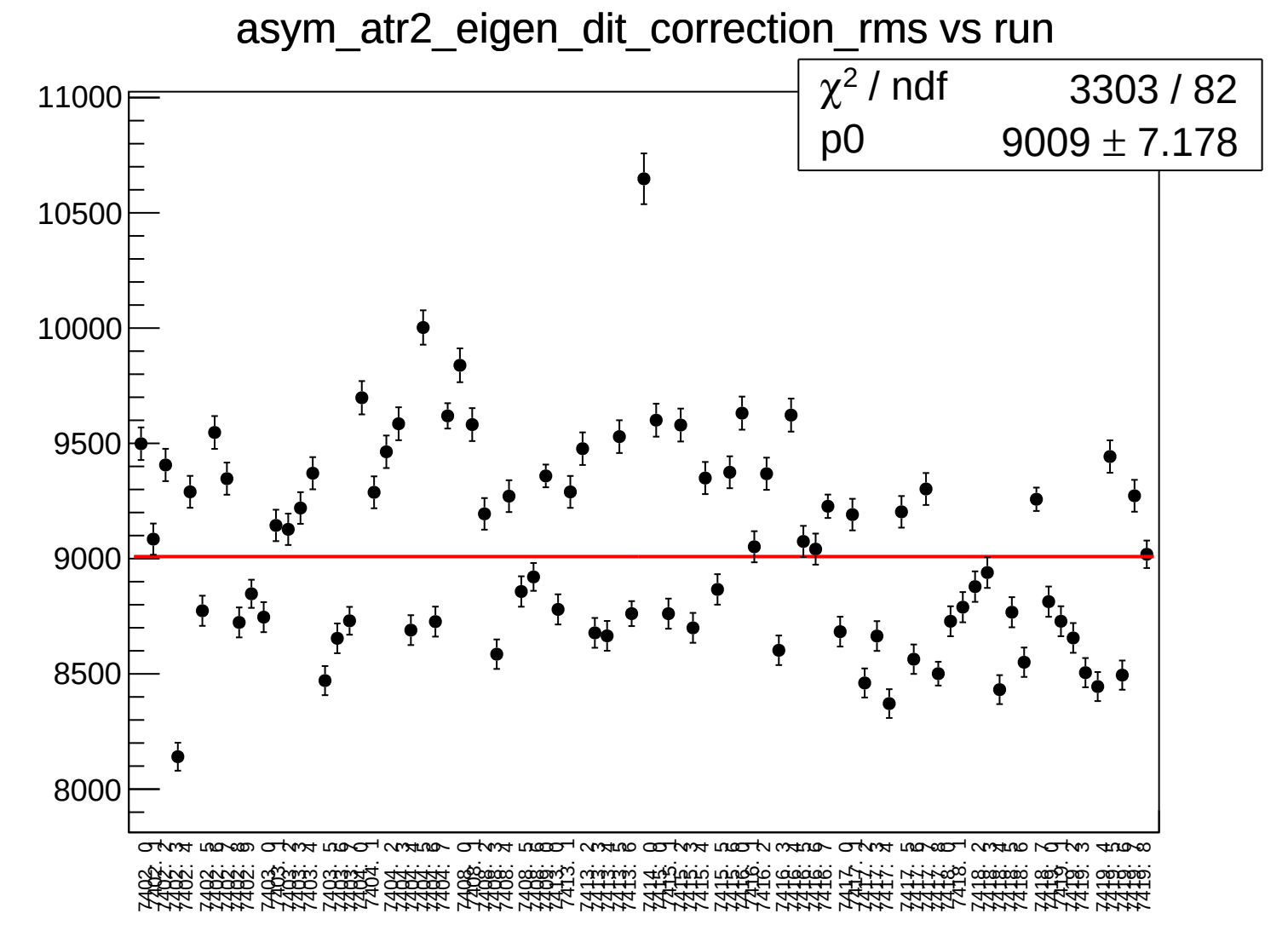

eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 85.88 / 82
p0 4364 ± 2906
pull
Entries 83
Mean 283.7
Std Dev 0

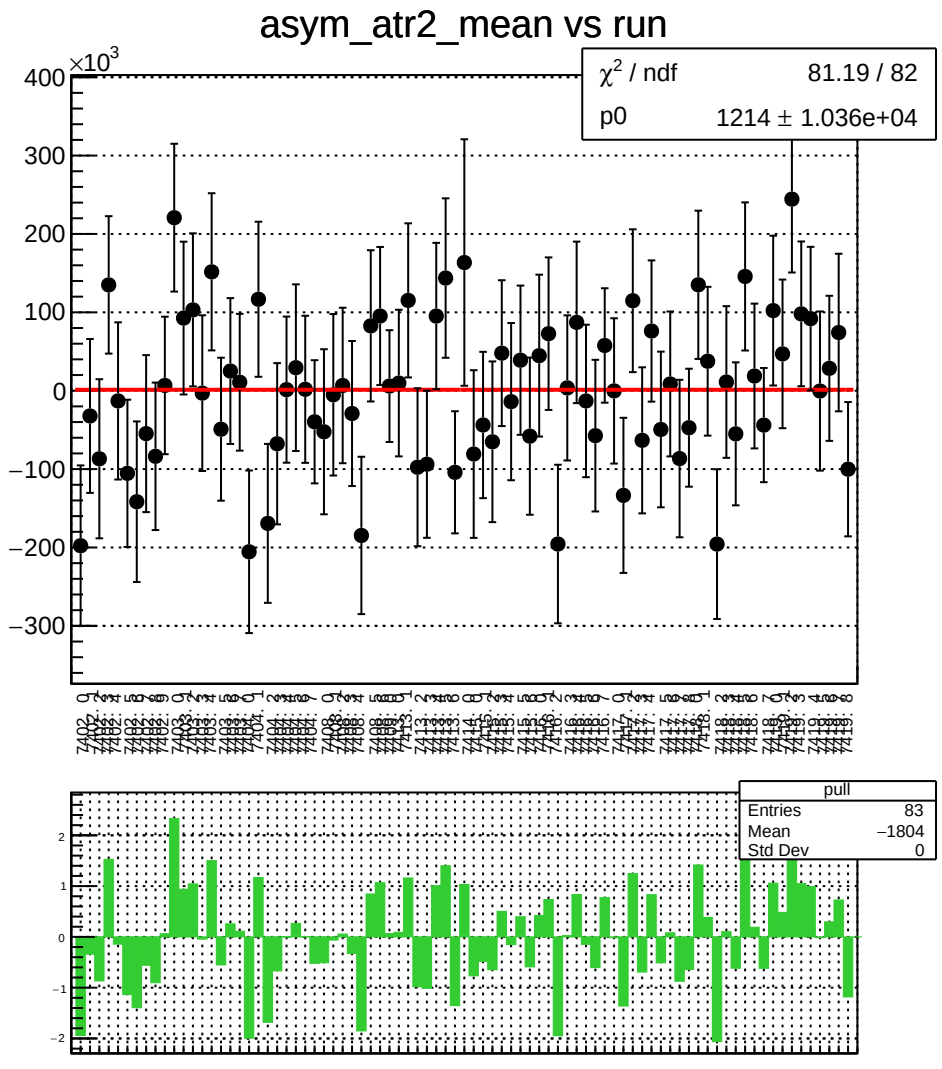

pull1D
Entries 83
Mean 0.01651
Std Dev 1.017

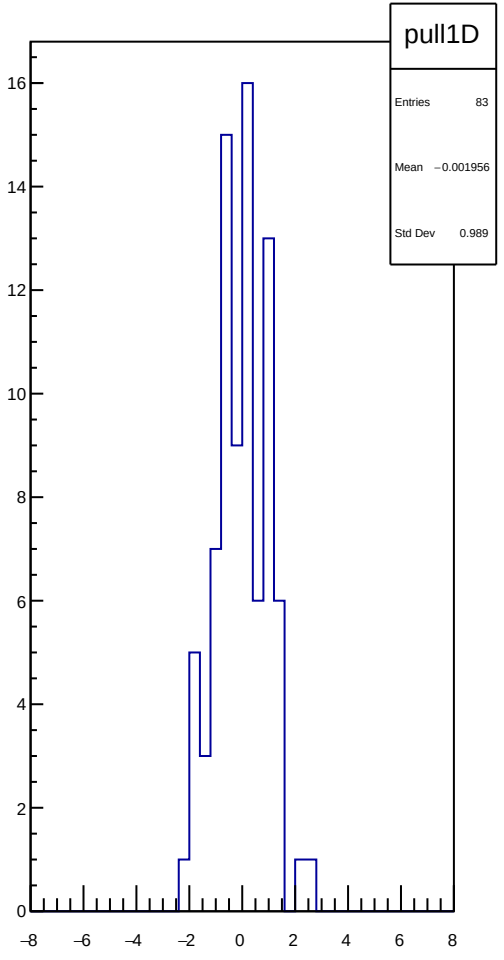

eigen_dit_asym_atr2_rms vs run
χ² / ndf 1919 / 82
p0 2580 ± 2.055
2750
2700
2650
2600
2550
2500
2450
2400
2350

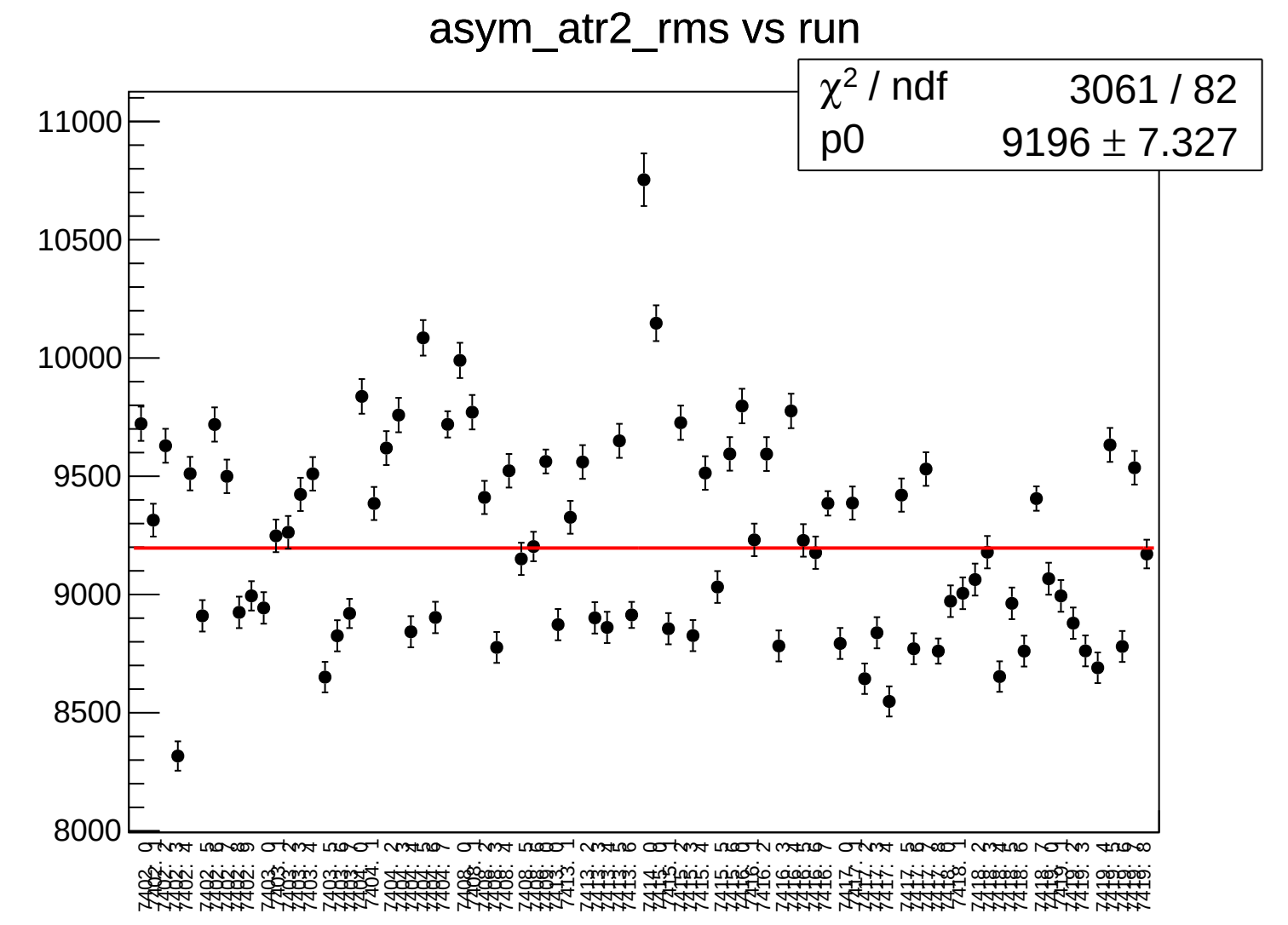

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 79.3 / 82
p0 3530 ± 1.015e+04
pull
Entries 83
Mean −501.9
Std Dev 0

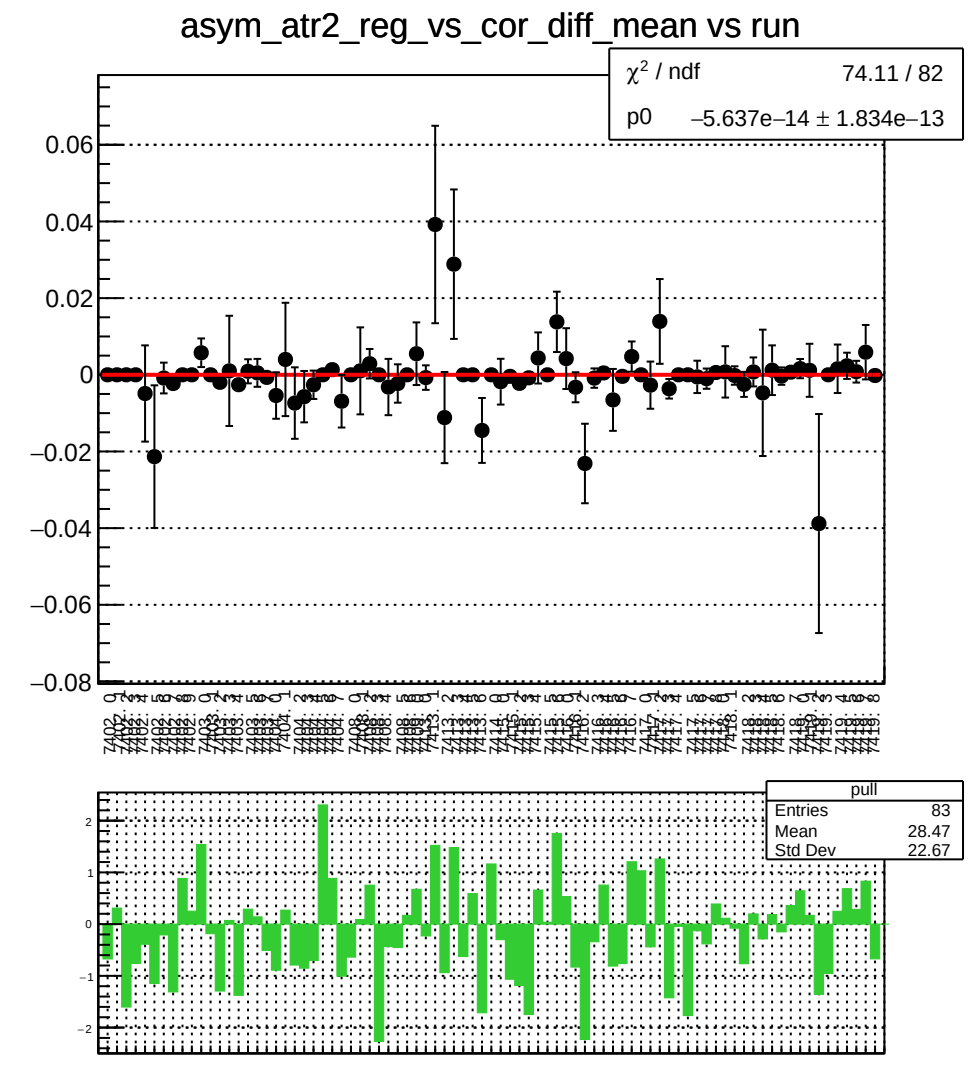

pull1D
Entries 83
Mean 0.004687
Std Dev 0.9775

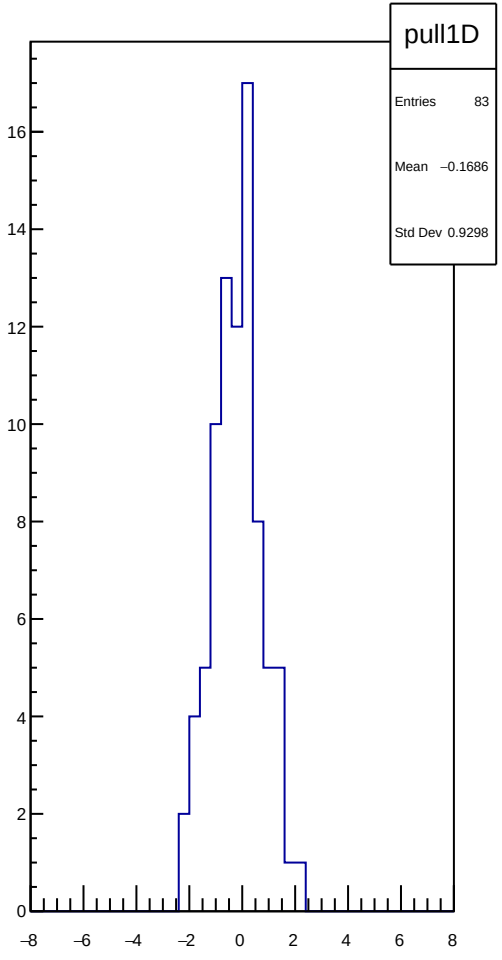

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 3303 / 82
p0 9009 ± 7.178
11000
10500
10000
9500
9000
8500
8000

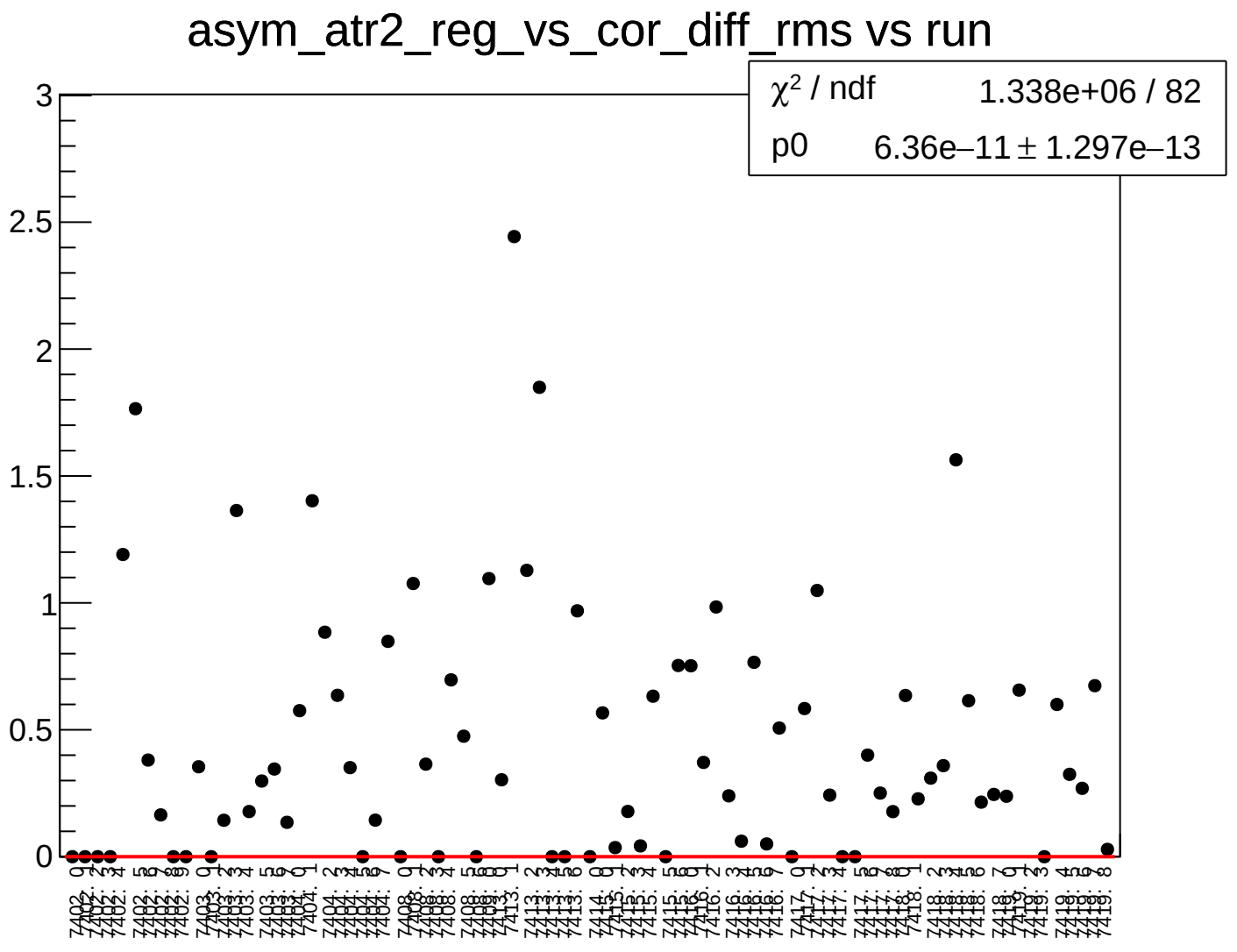

asym_atr2_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
χ² / ndf 81.19 / 82
p0 1214 ± 1.036e+04
pull
Entries 83
Mean −1804
Std Dev 0
2
1
0
−1
−2

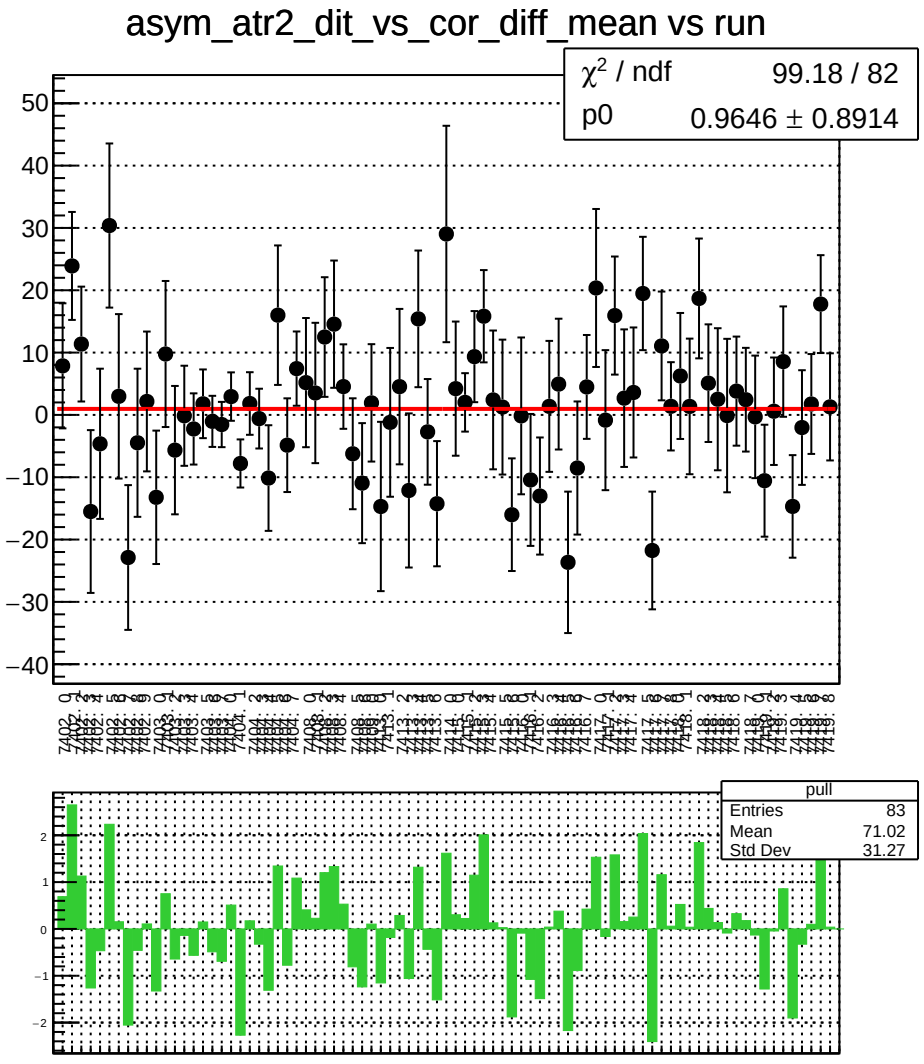

pull1D
Entries 83
Mean −0.001956
Std Dev 0.989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

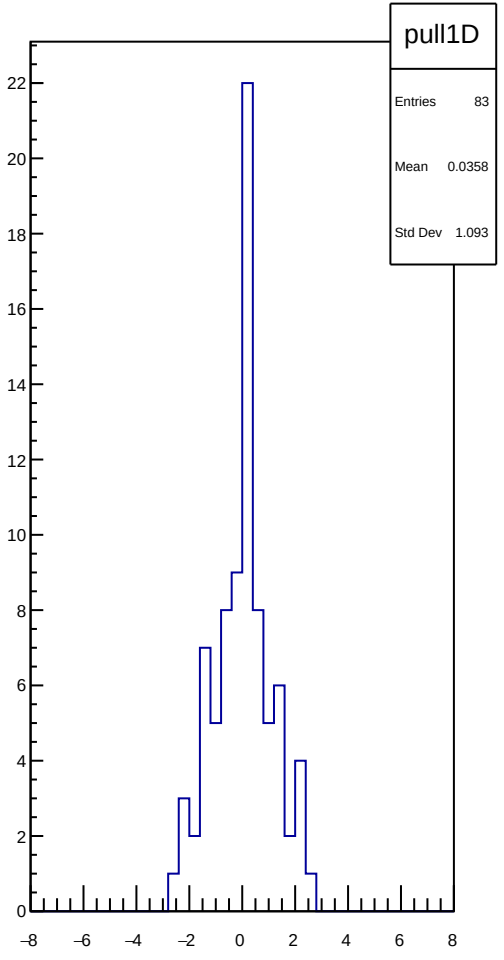

asym_atr2_rms vs run
χ² / ndf 3061 / 82
p0 9196 ± 7.327
11000
10500
10000
9500
9000
8500
8000

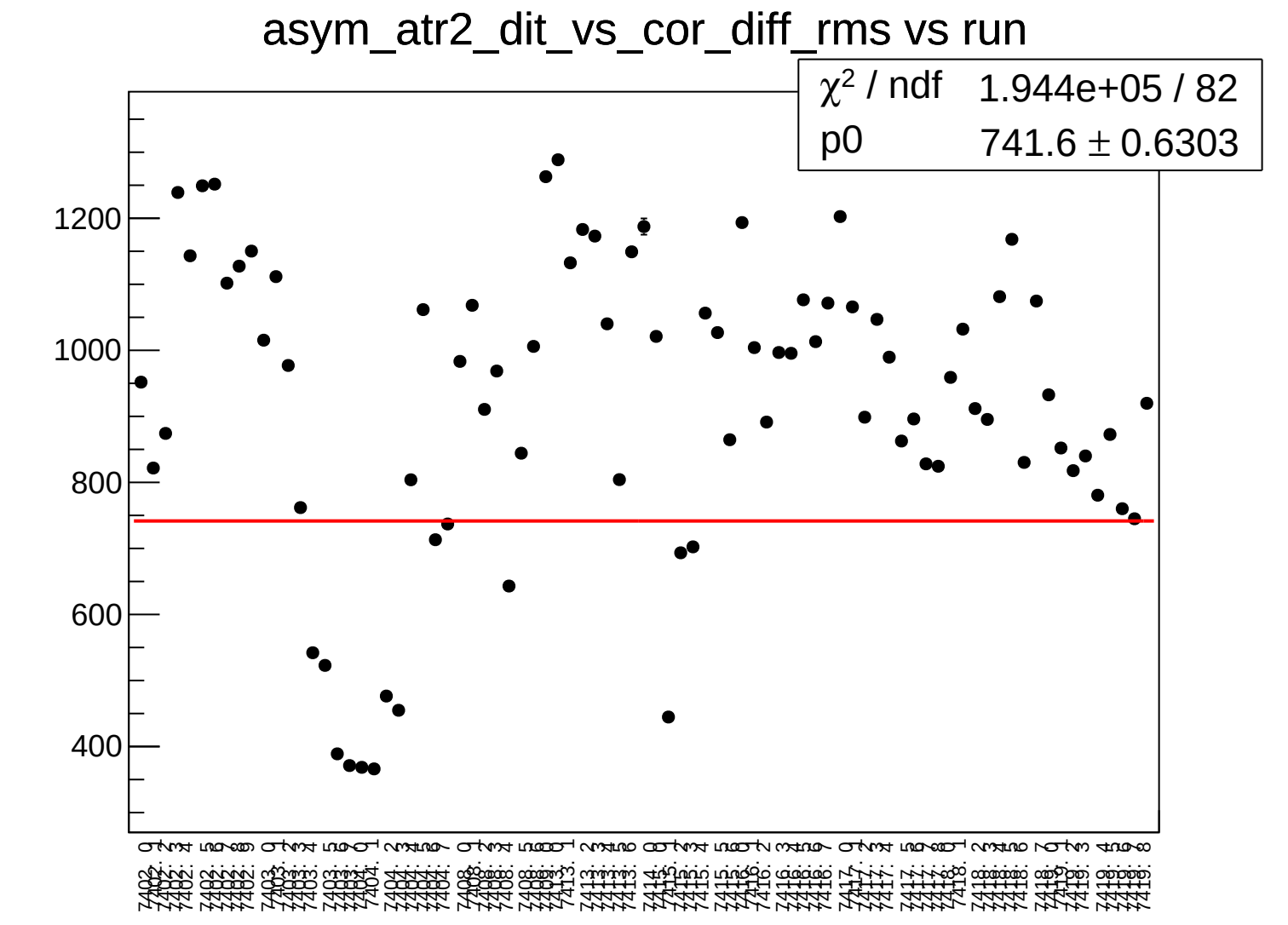

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 74.11 / 82
p0 −5.637e−14 ± 1.834e−13
pull
Entries 83
Mean 28.47
Std Dev 22.67

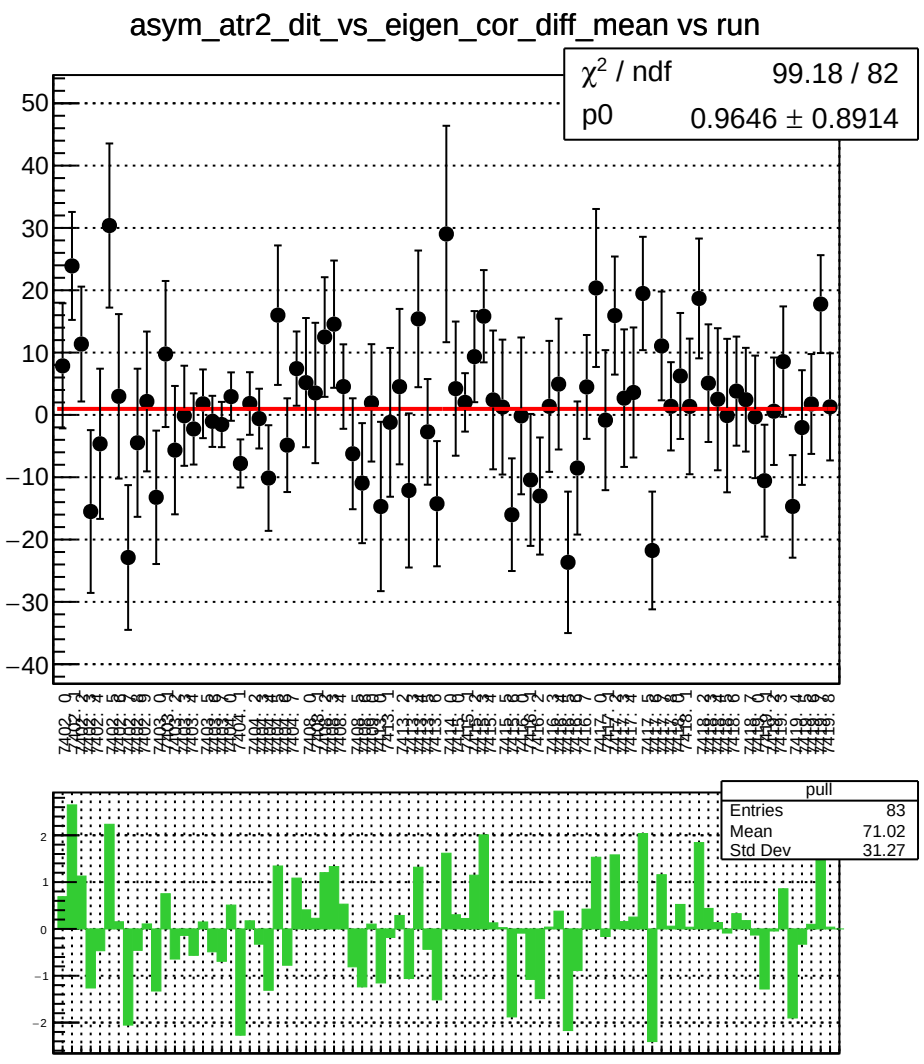

pull1D
Entries 83
Mean −0.1686
Std Dev 0.9298

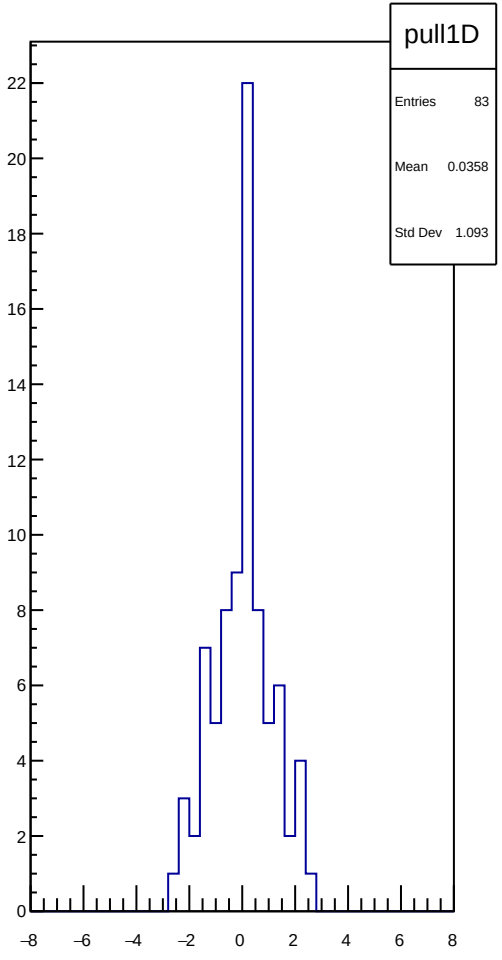

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.338e+06 / 82
p0 6.36e−11 ± 1.297e−13
3
2.5
2
1.5
1
0.5
0

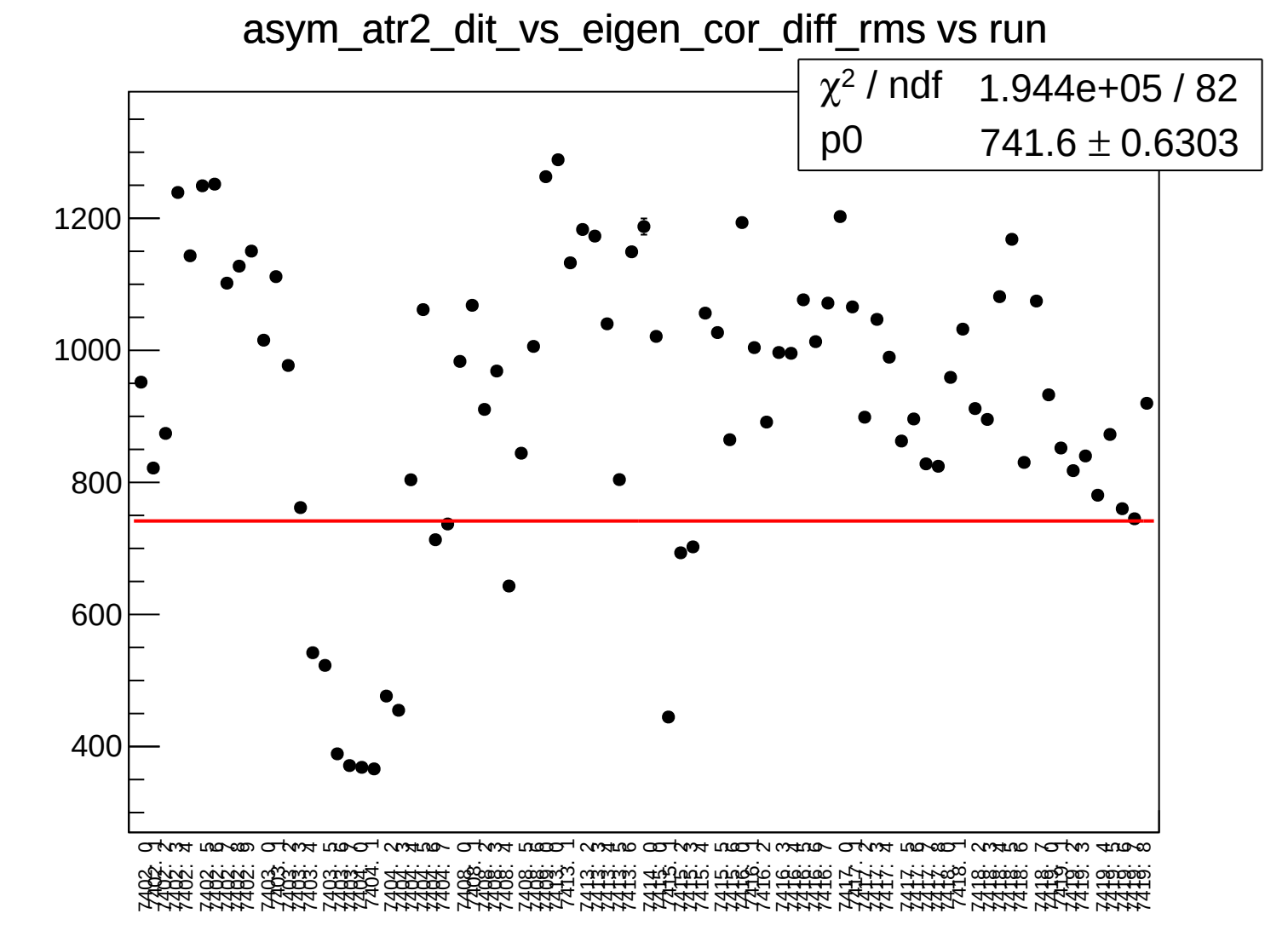

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 99.18 / 82
p0 0.9646 ± 0.8914
pull
Entries 83
Mean 71.02
Std Dev 31.27

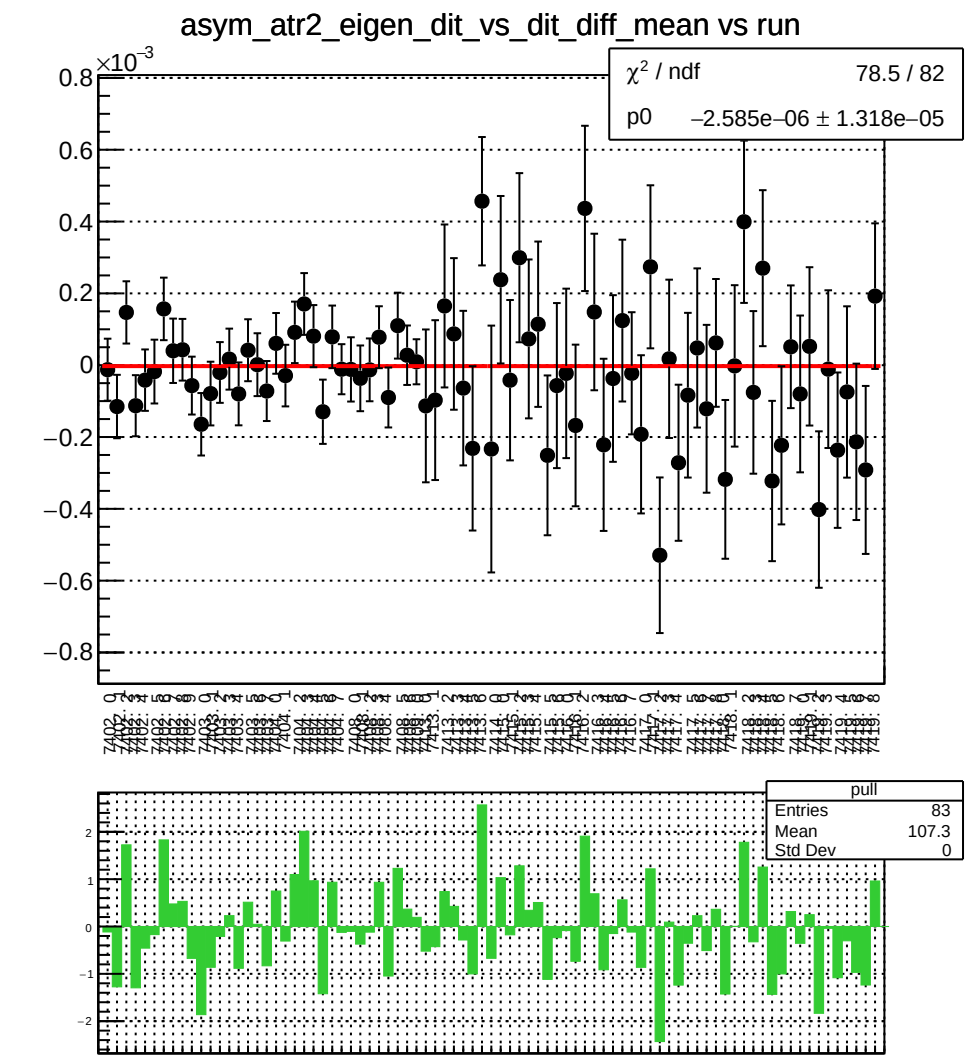

pull1D
Entries 83
Mean 0.0358
Std Dev 1.093

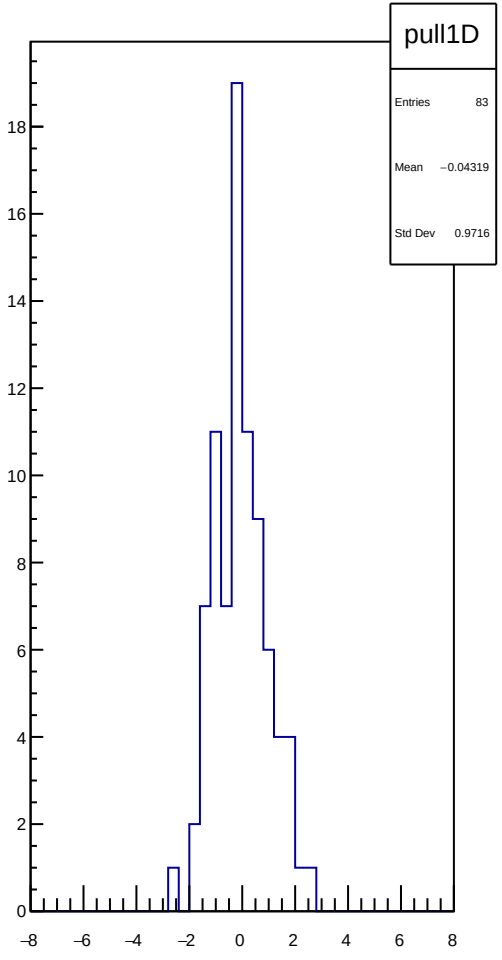

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.944e+05 / 82
p0 741.6 ± 0.6303
1200
1000
800
600
400

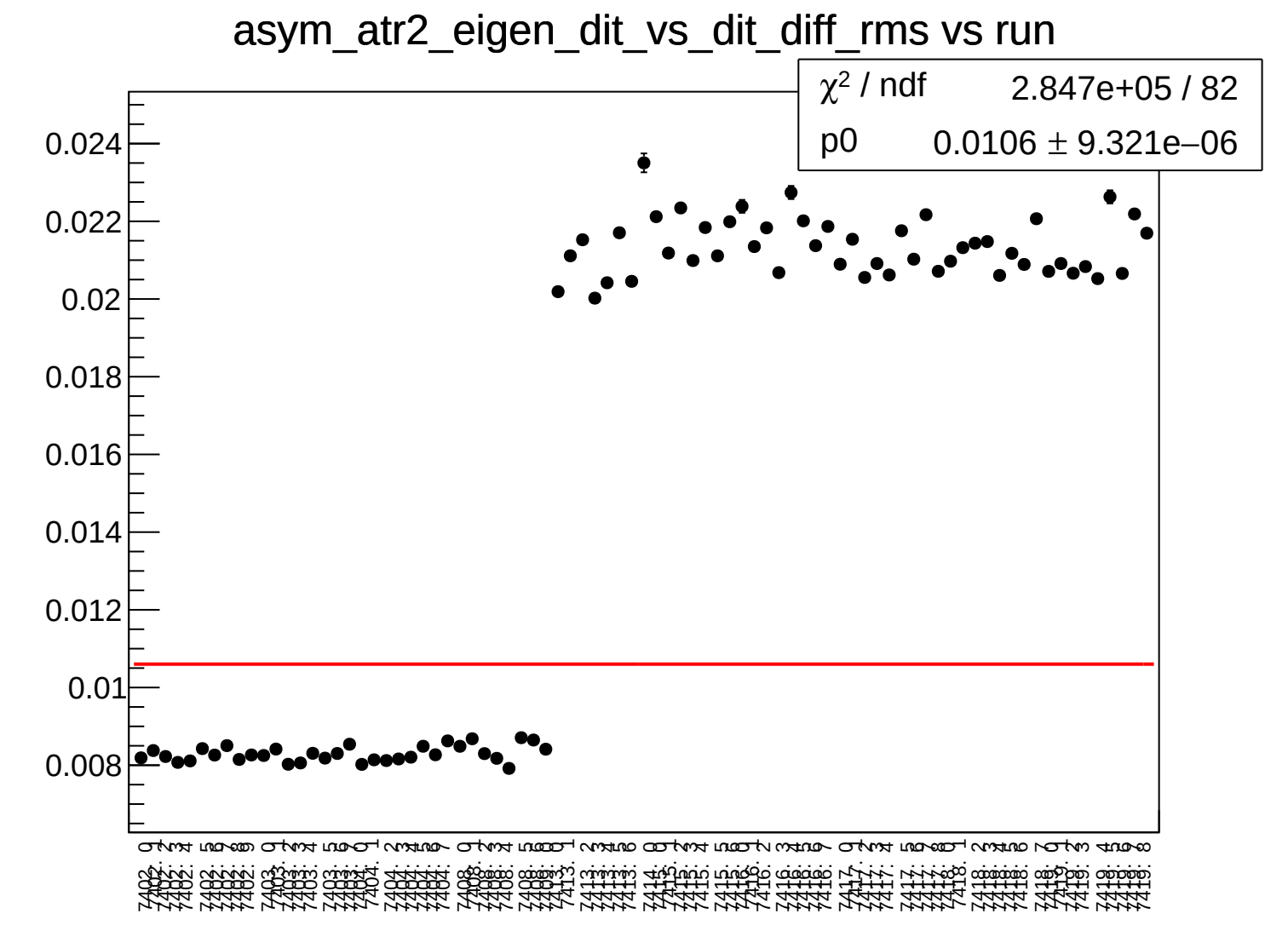

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.18 / 82
p0 0.9646 ± 0.8914
pull
Entries 83
Mean 71.02
Std Dev 31.27

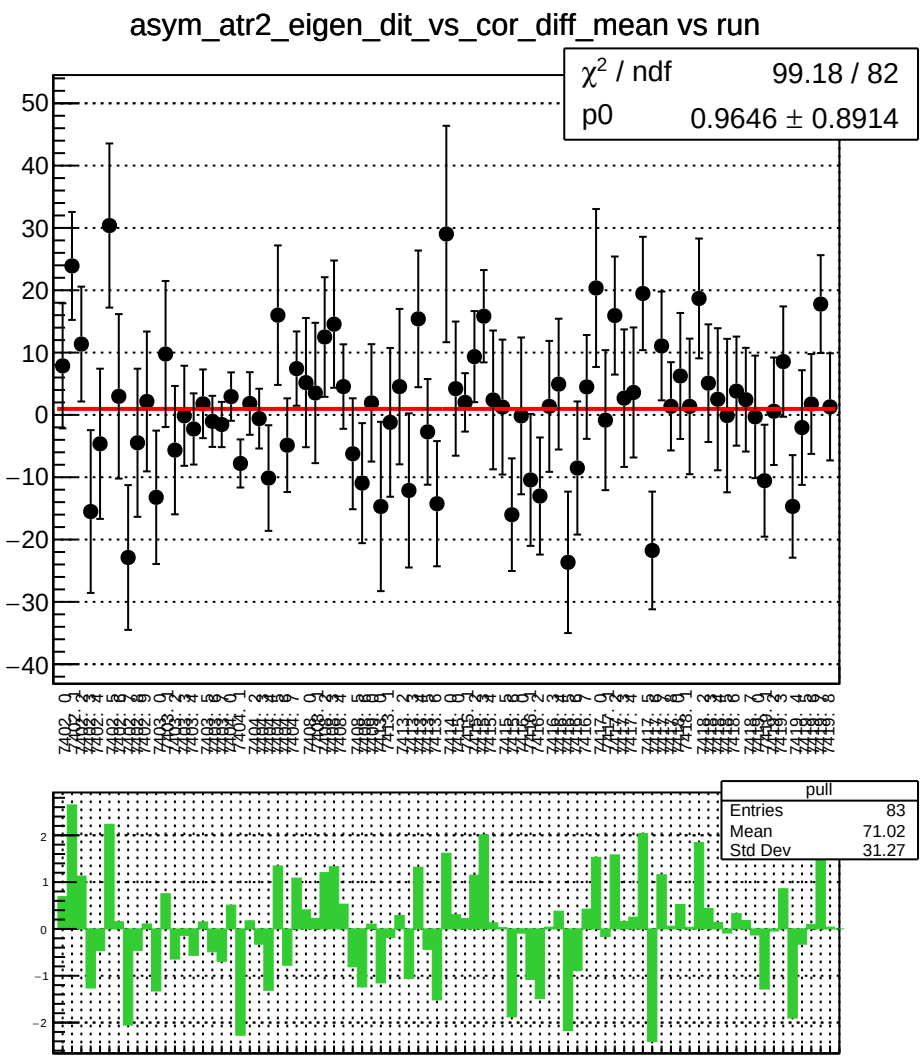

pull1D
Entries 83
Mean 0.0358
Std Dev 1.093

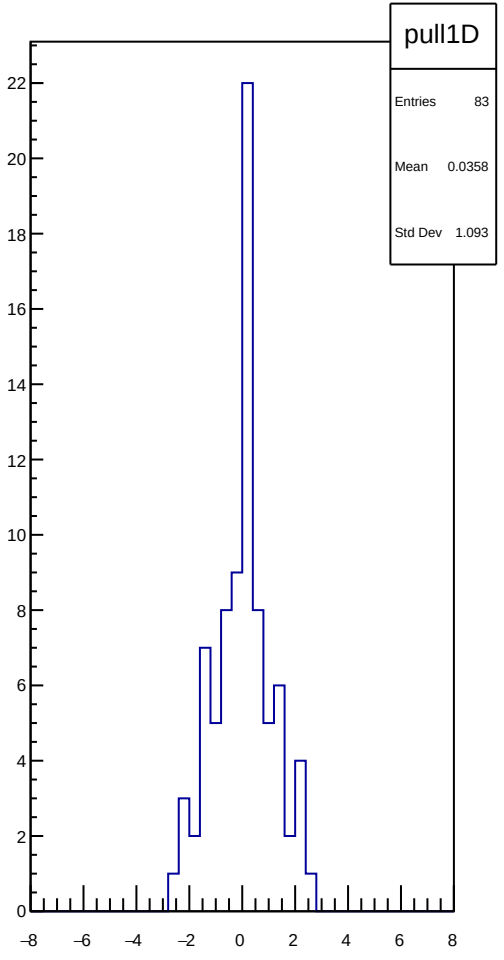

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.944e+05 / 82
p0 741.6 ± 0.6303
1200
1000
800
600
400

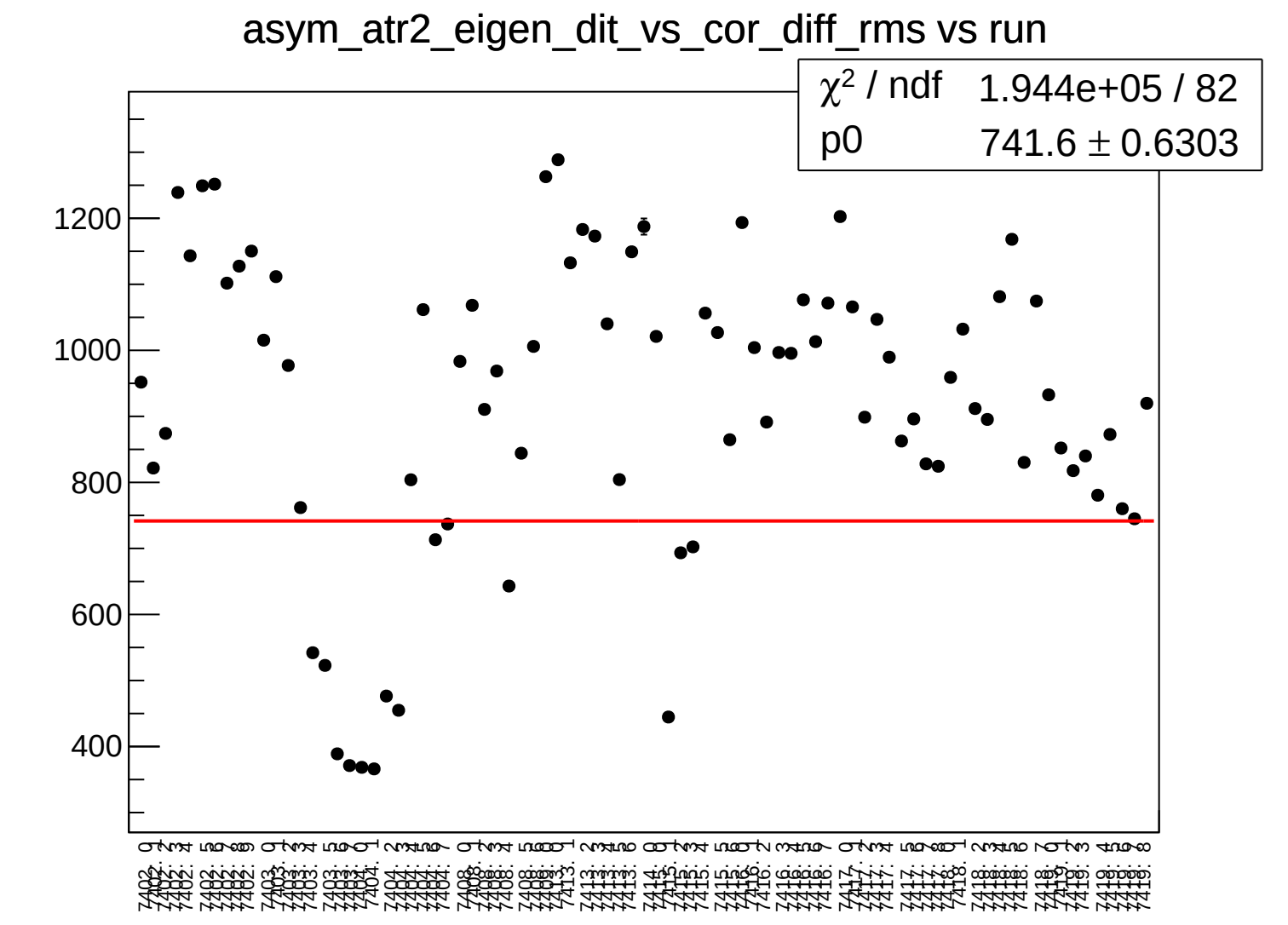

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.5 / 82
p0 −2.585e−06 ± 1.318e−05
pull
Entries 83
Mean 107.3
Std Dev 0

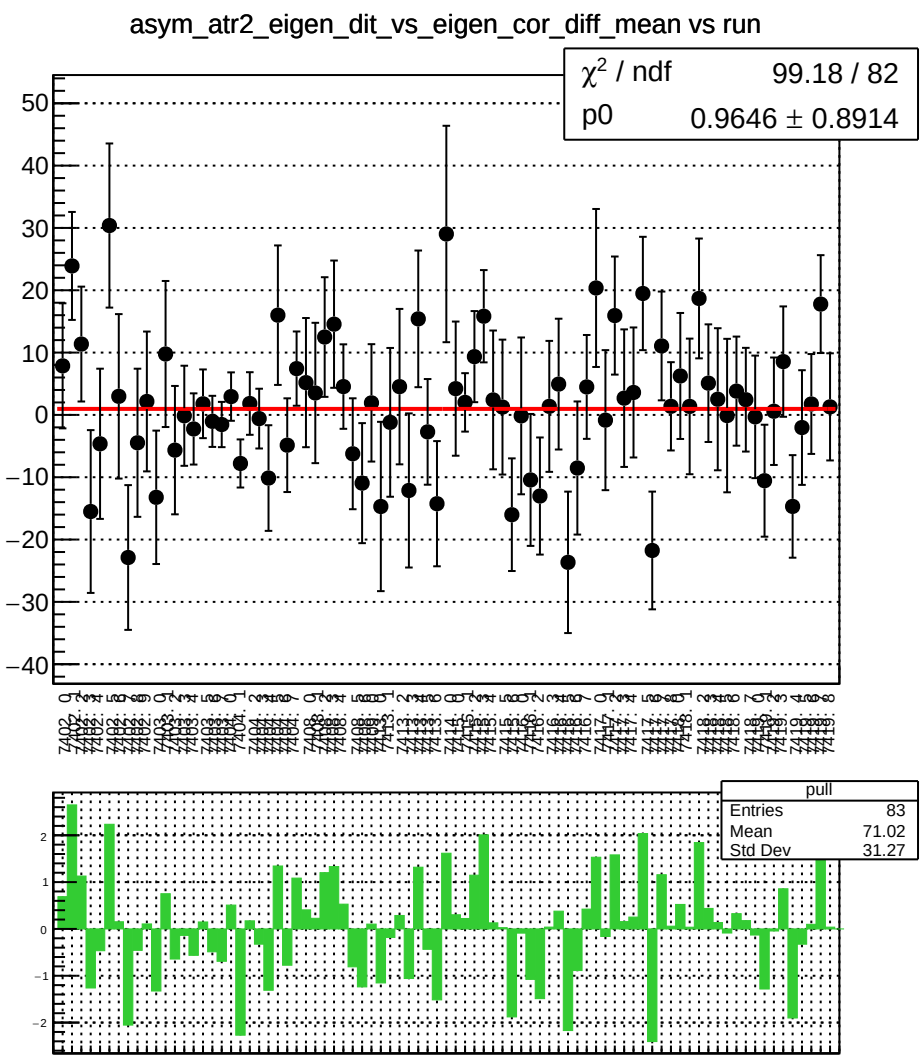

pull1D
Entries 83
Mean −0.04319
Std Dev 0.9716

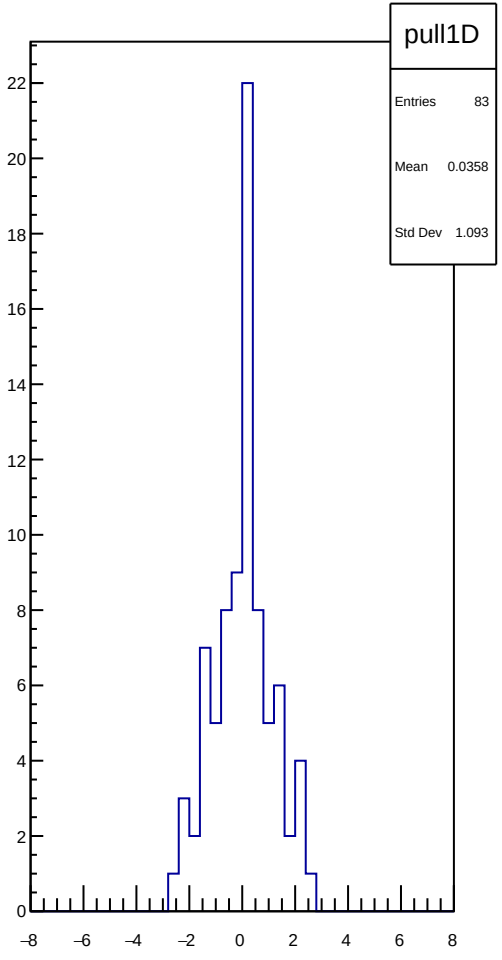

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.847e+05 / 82
p0 0.0106 ± 9.321e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

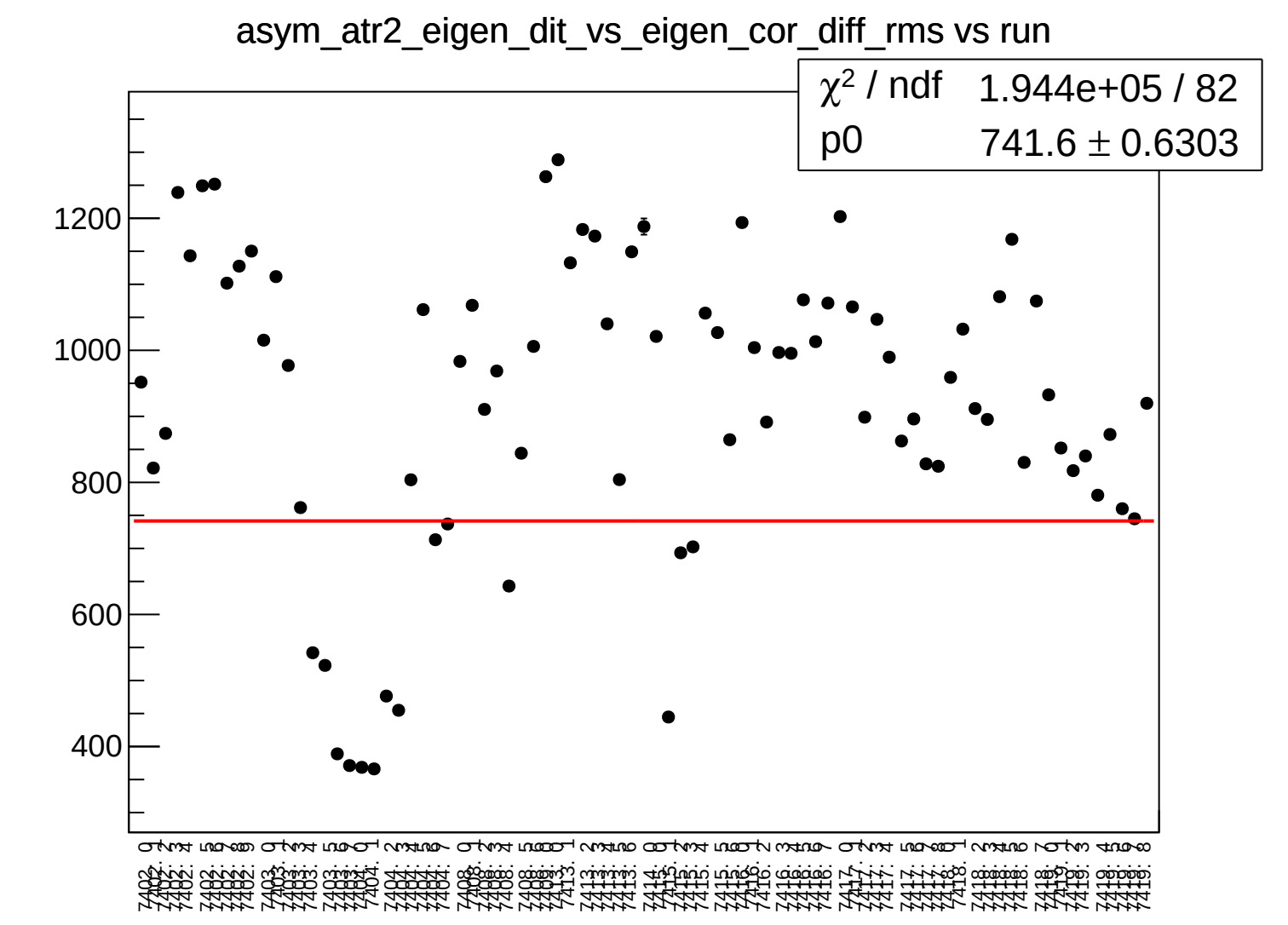

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.18 / 82
p0 0.9646 ± 0.8914
pull
Entries 83
Mean 71.02
Std Dev 31.27

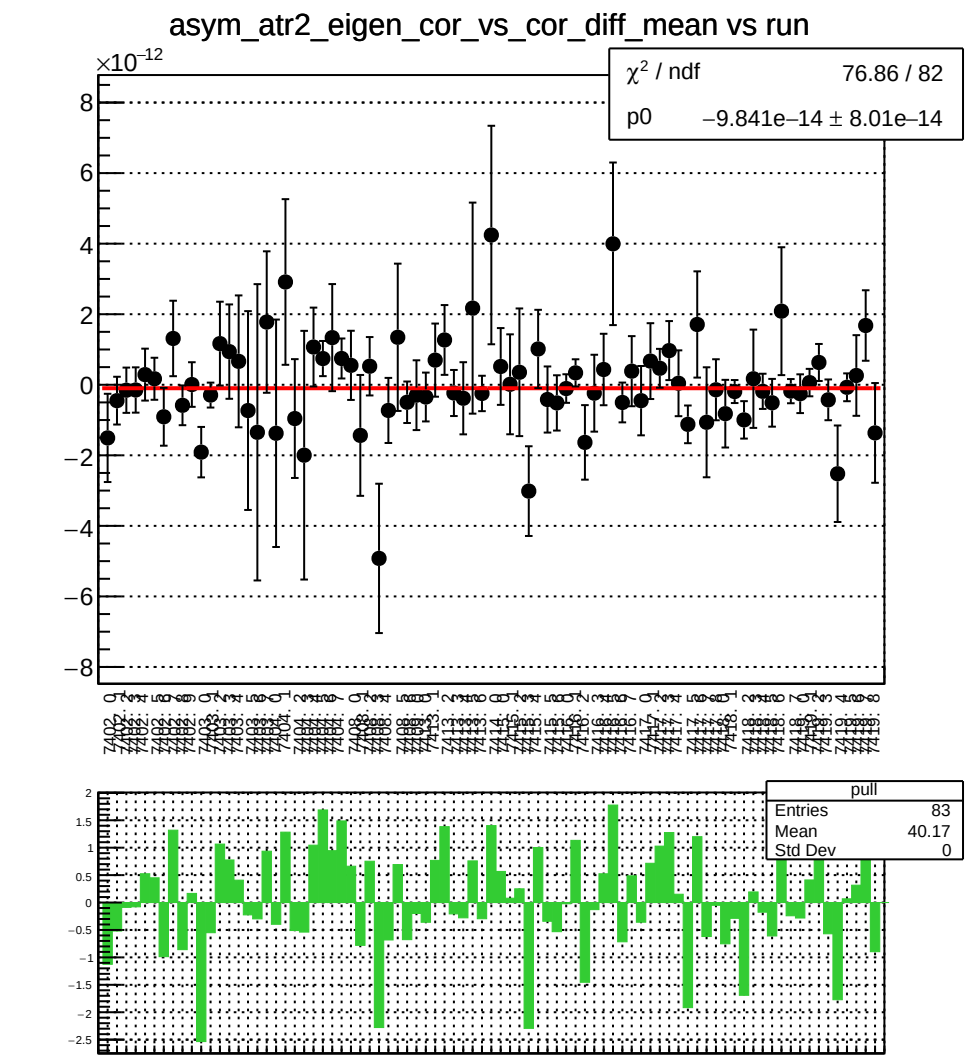

pull1D
Entries 83
Mean 0.0358
Std Dev 1.093

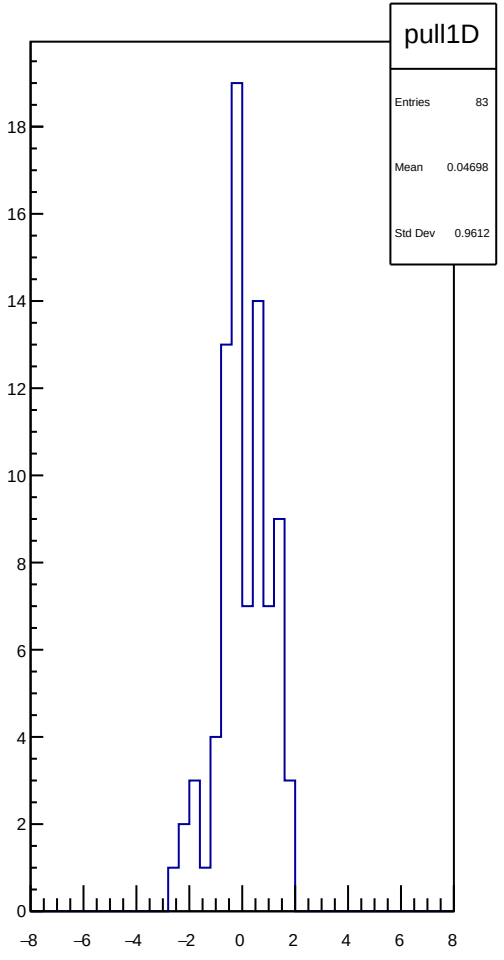

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.944e+05 / 82
p0 741.6 ± 0.6303
1200
1000
800
600
400

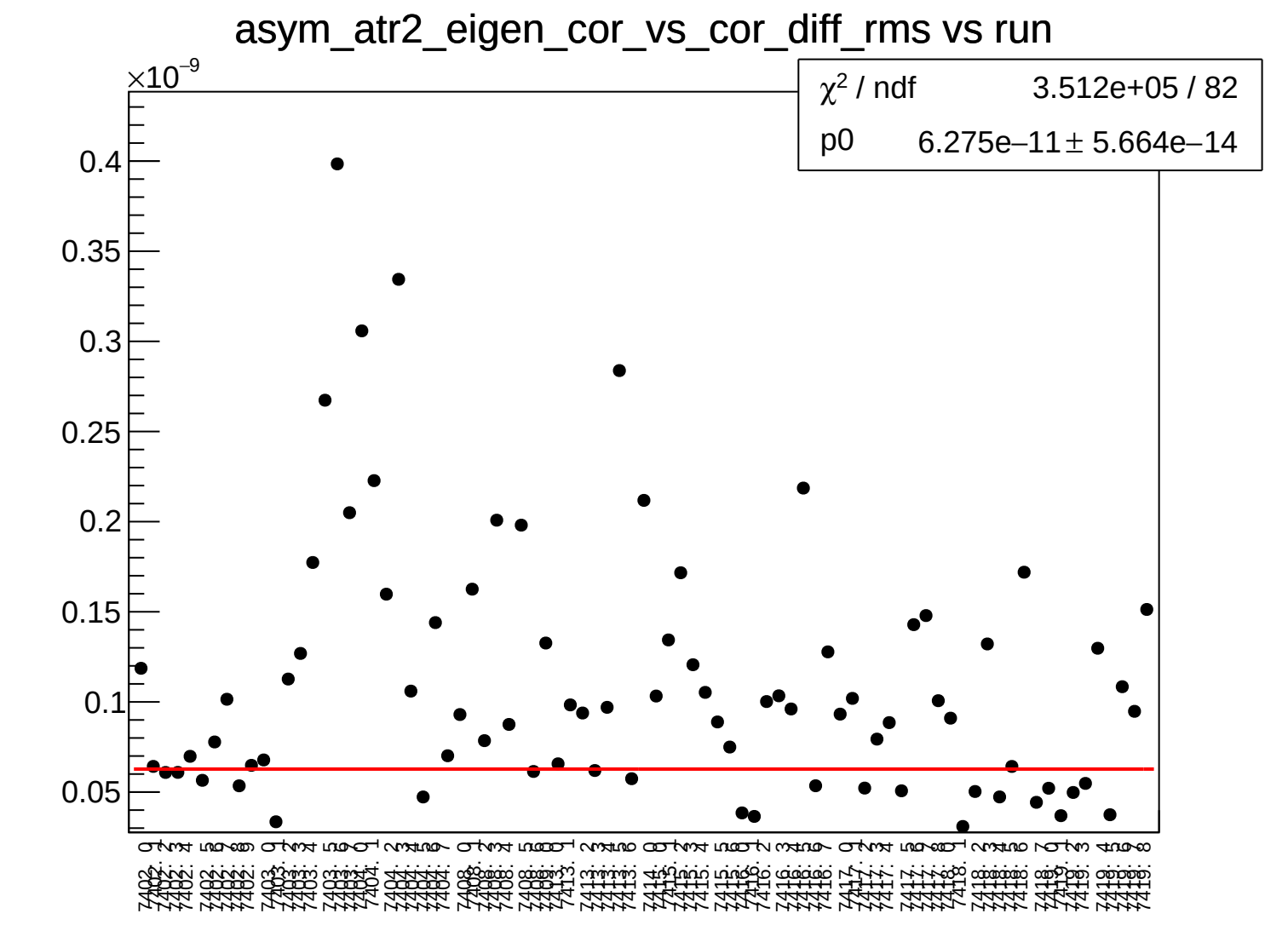

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.18 / 82
p0 0.9646 ± 0.8914
pull
Entries 83
Mean 71.02
Std Dev 31.27

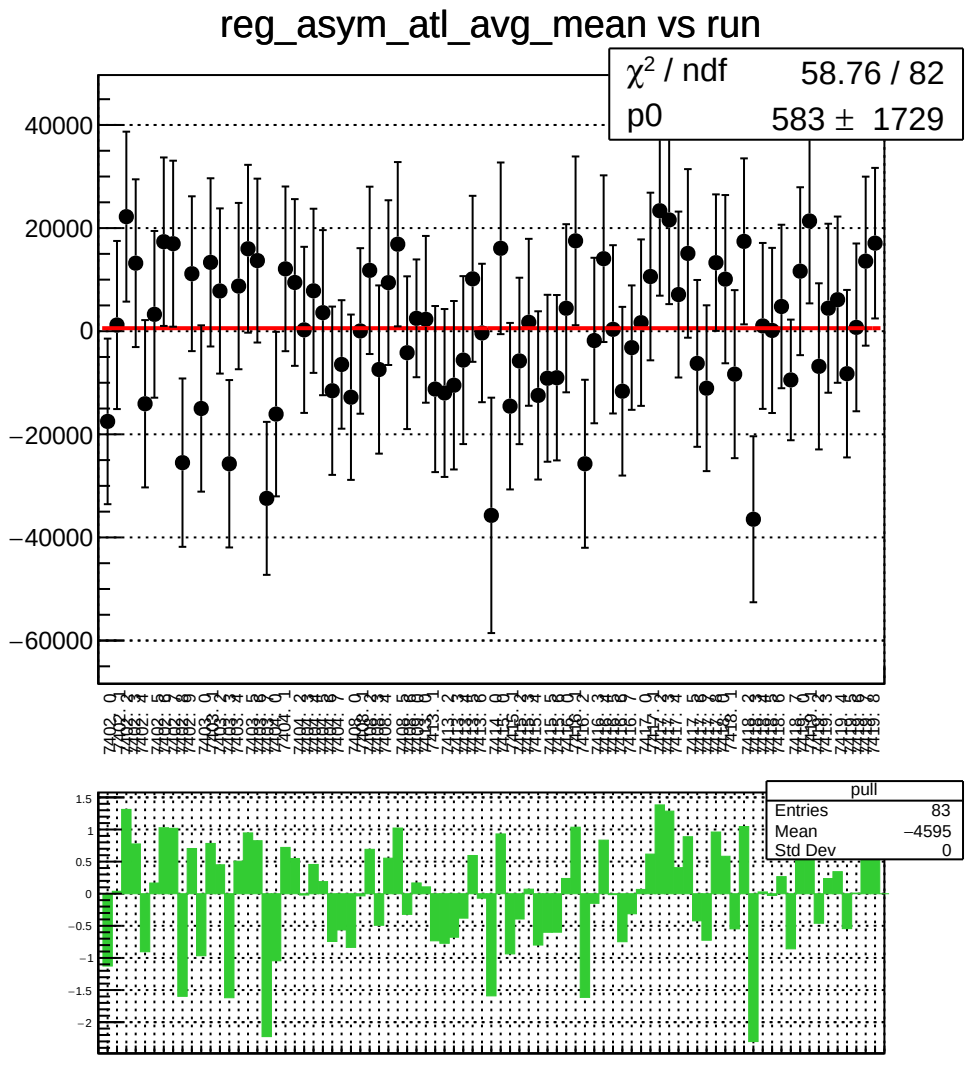

pull1D
Entries 83
Mean 0.0358
Std Dev 1.093

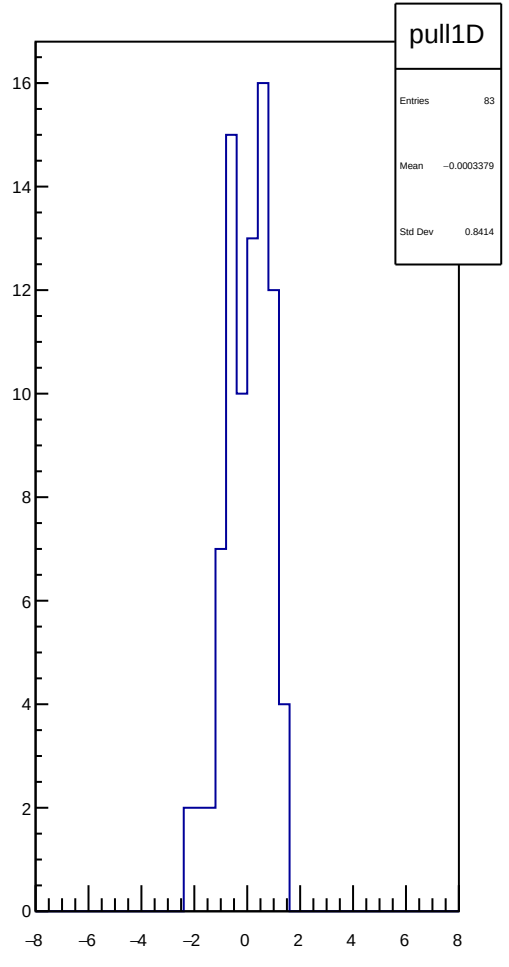

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.944e+05 / 82
p0 741.6 ± 0.6303
1200
1000
800
600
400

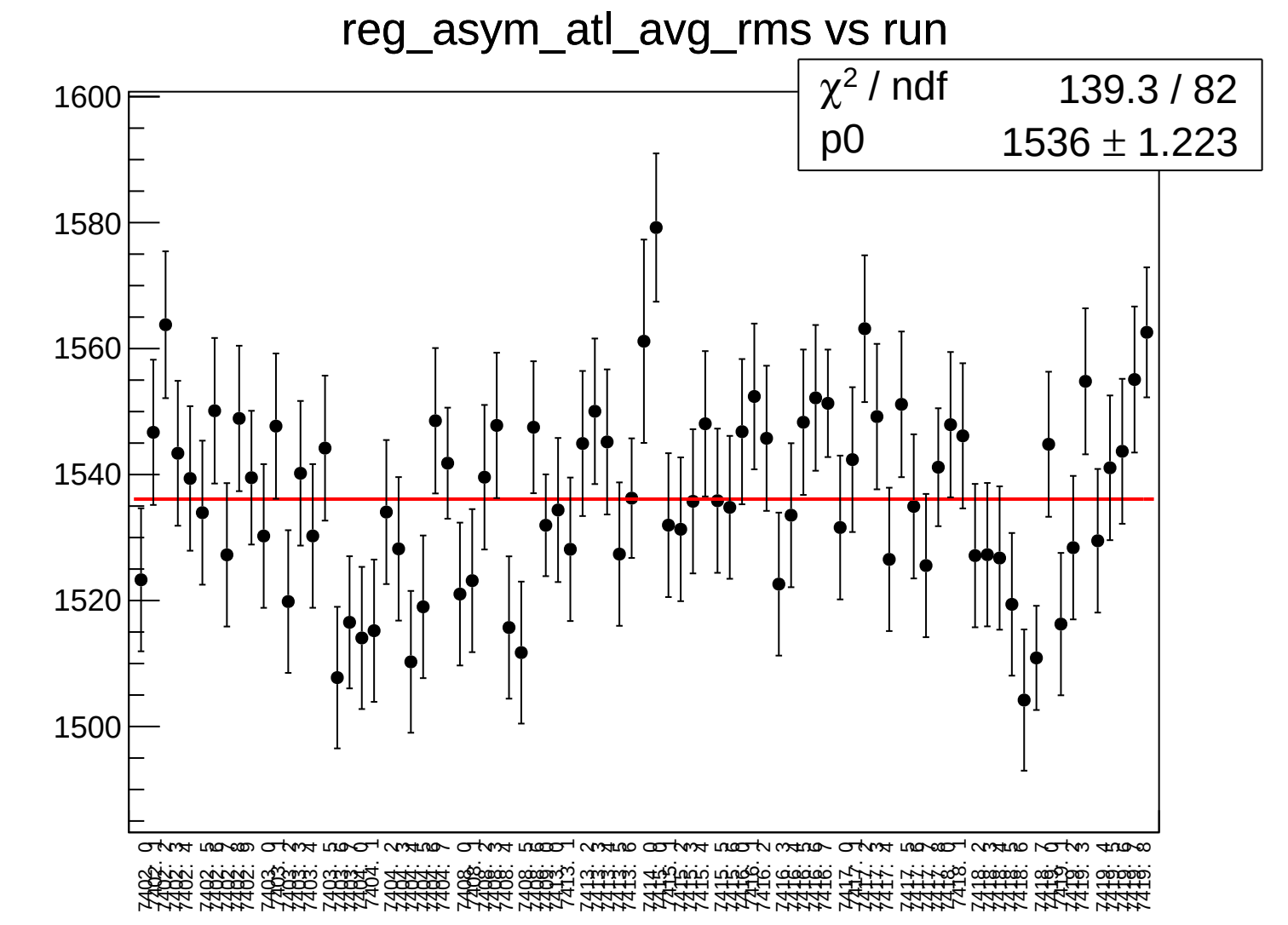

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.86 / 82
p0 −9.841e−14 ± 8.01e−14
pull
Entries 83
Mean 40.17
Std Dev 0

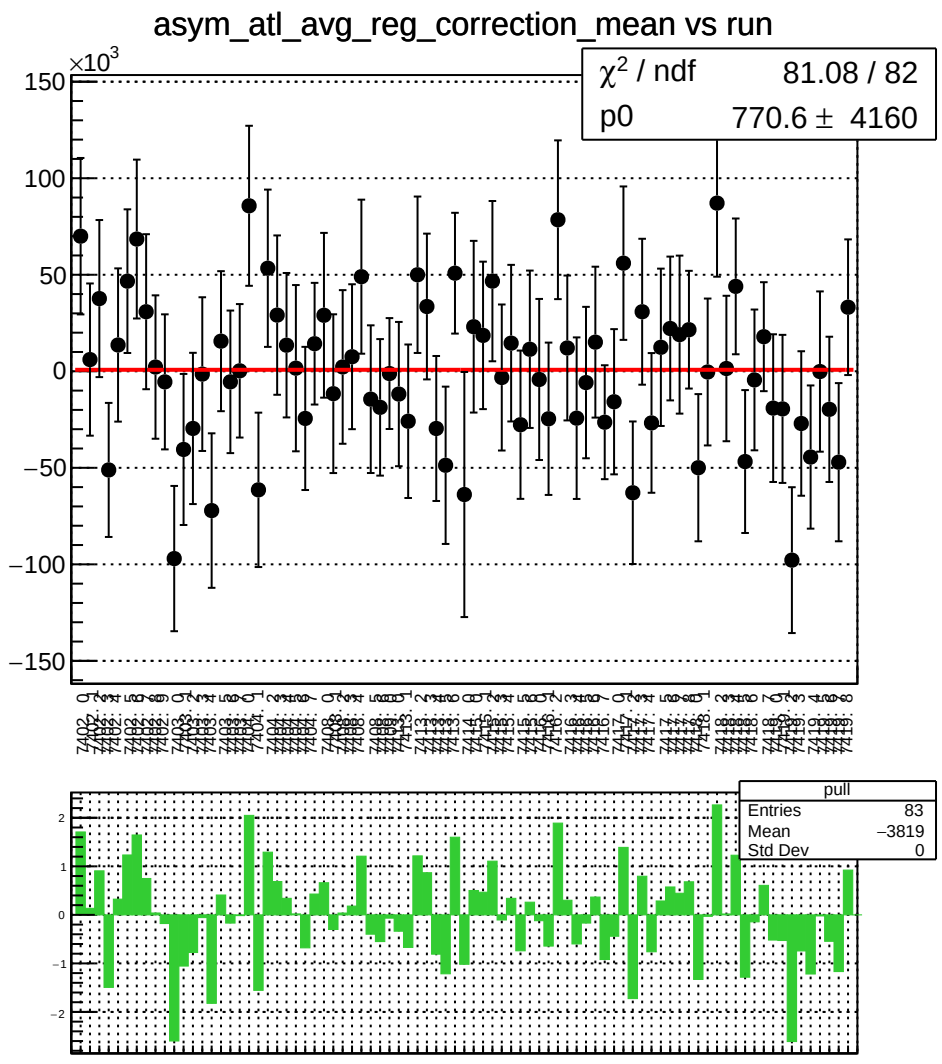

pull1D
Entries 83
Mean 0.04698
Std Dev 0.9612

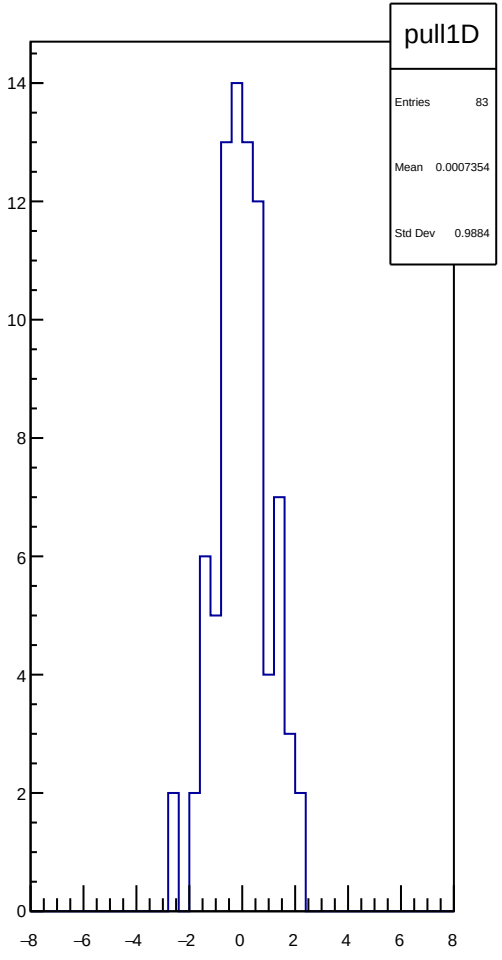

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.512e+05 / 82
p0 6.275e−11 ± 5.664e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

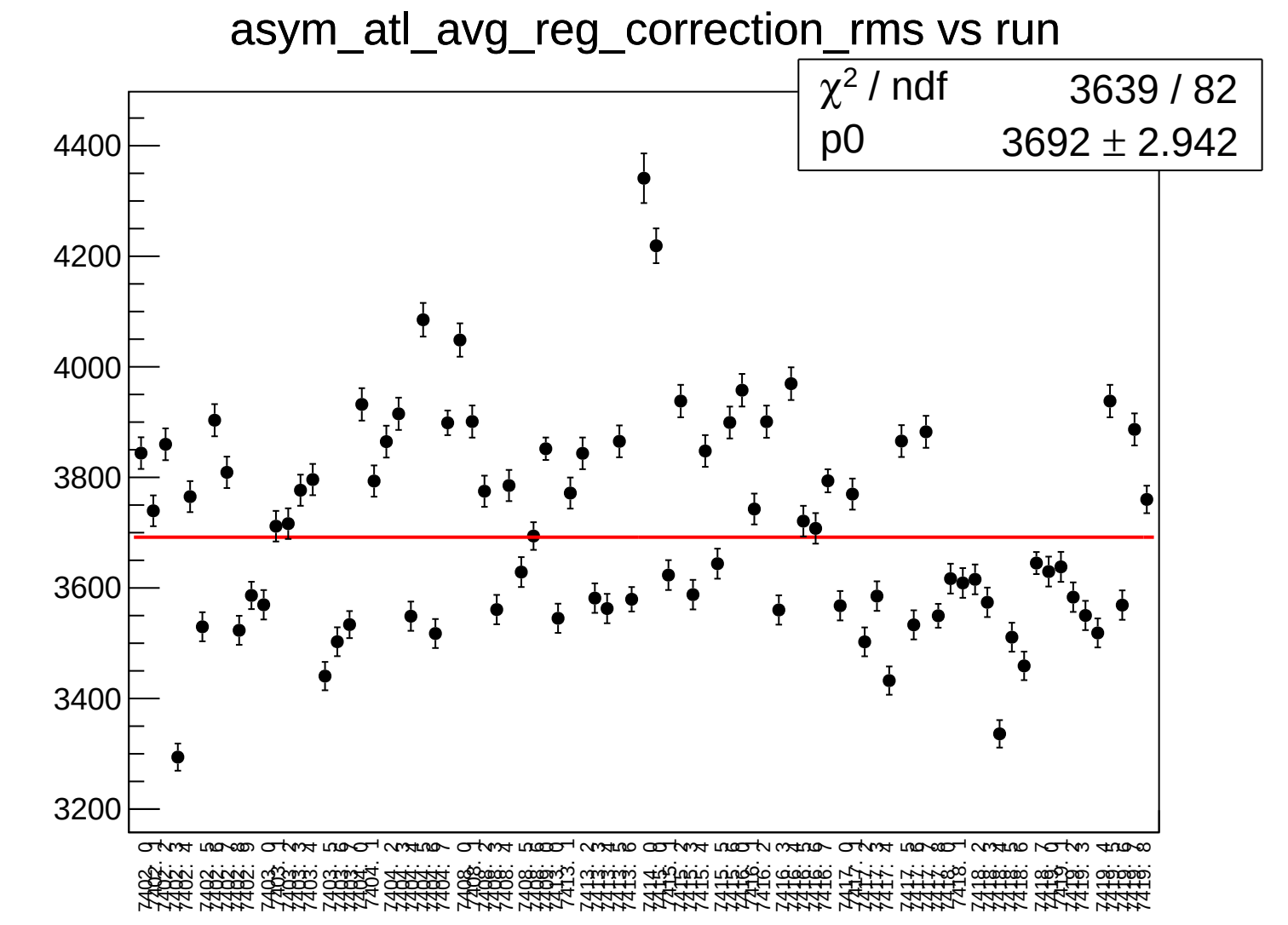

reg_asym_atl_avg_mean vs run
χ² / ndf 58.76 / 82
p0 583 ± 1729
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −4595
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

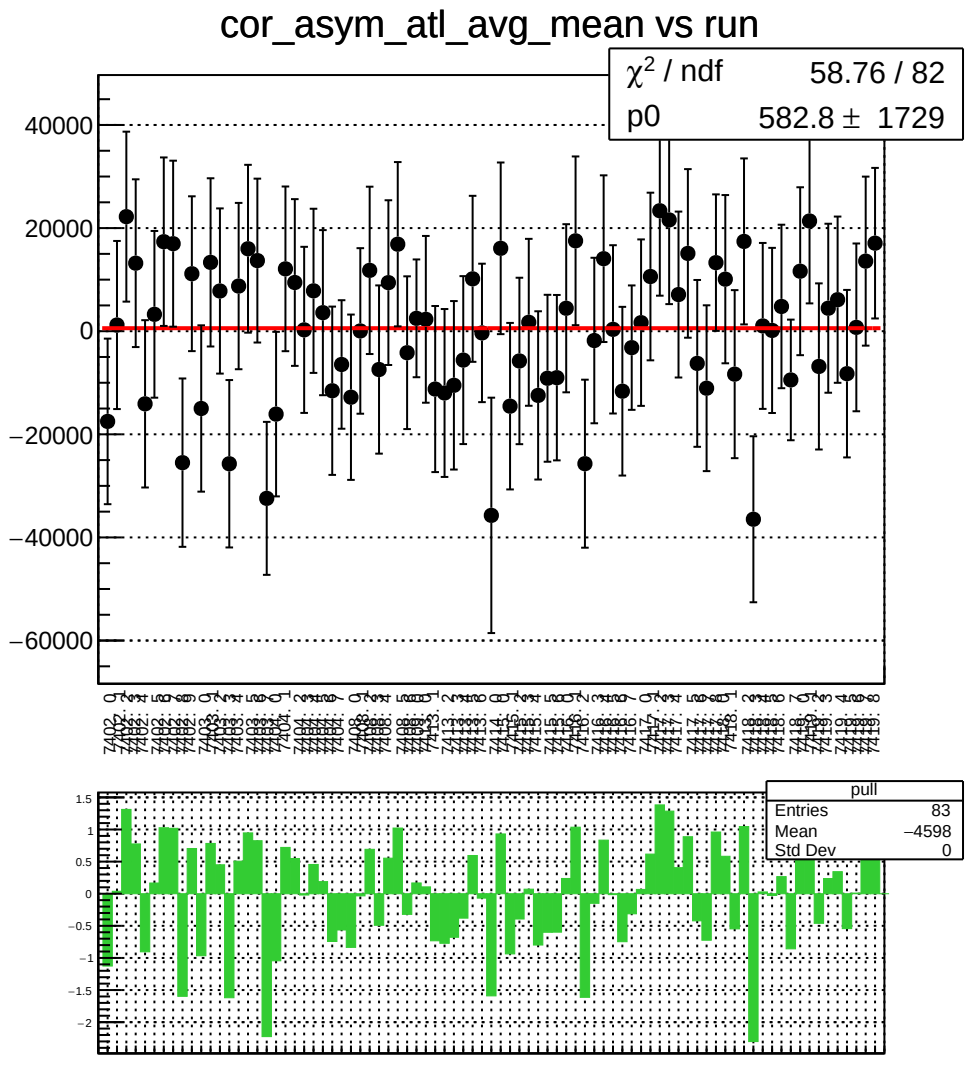

pull1D
Entries 83
Mean −0.0003379
Std Dev 0.8414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

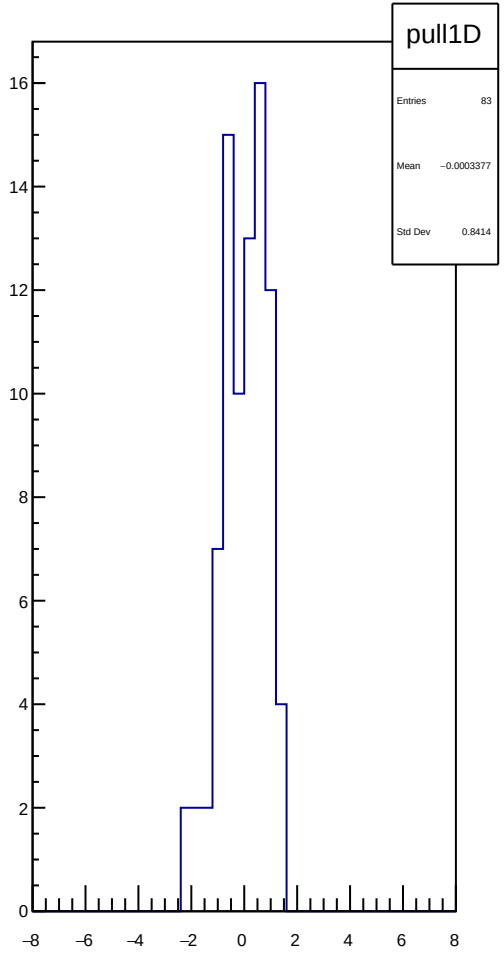

reg_asym_atl_avg_rms vs run
χ² / ndf 139.3 / 82
p0 1536 ± 1.223
1600
1580
1560
1540
1520
1500

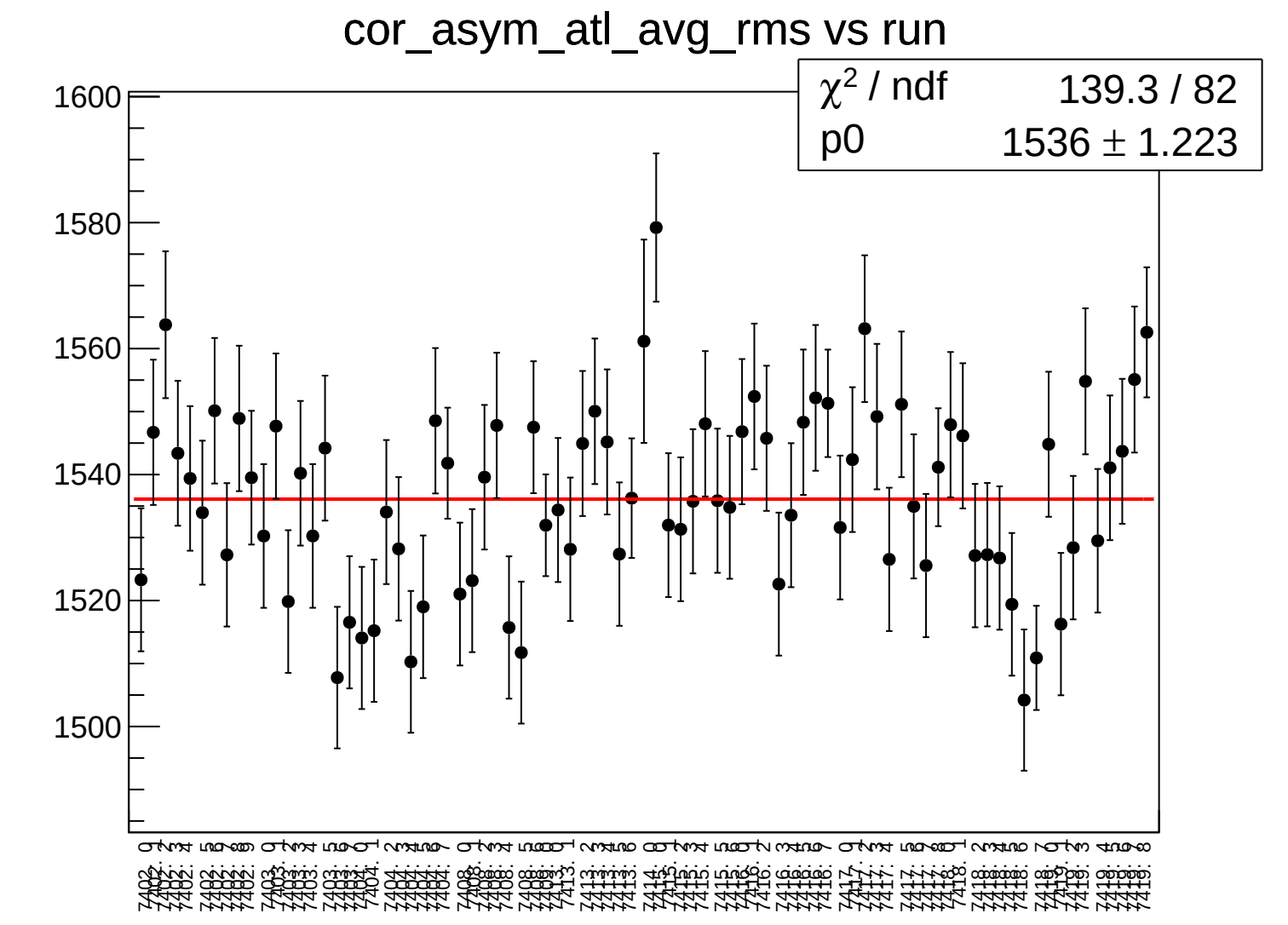

asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.08 / 82
p0 770.6 ± 4160
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −3819
Std Dev 0
2
1
0
−1
−2

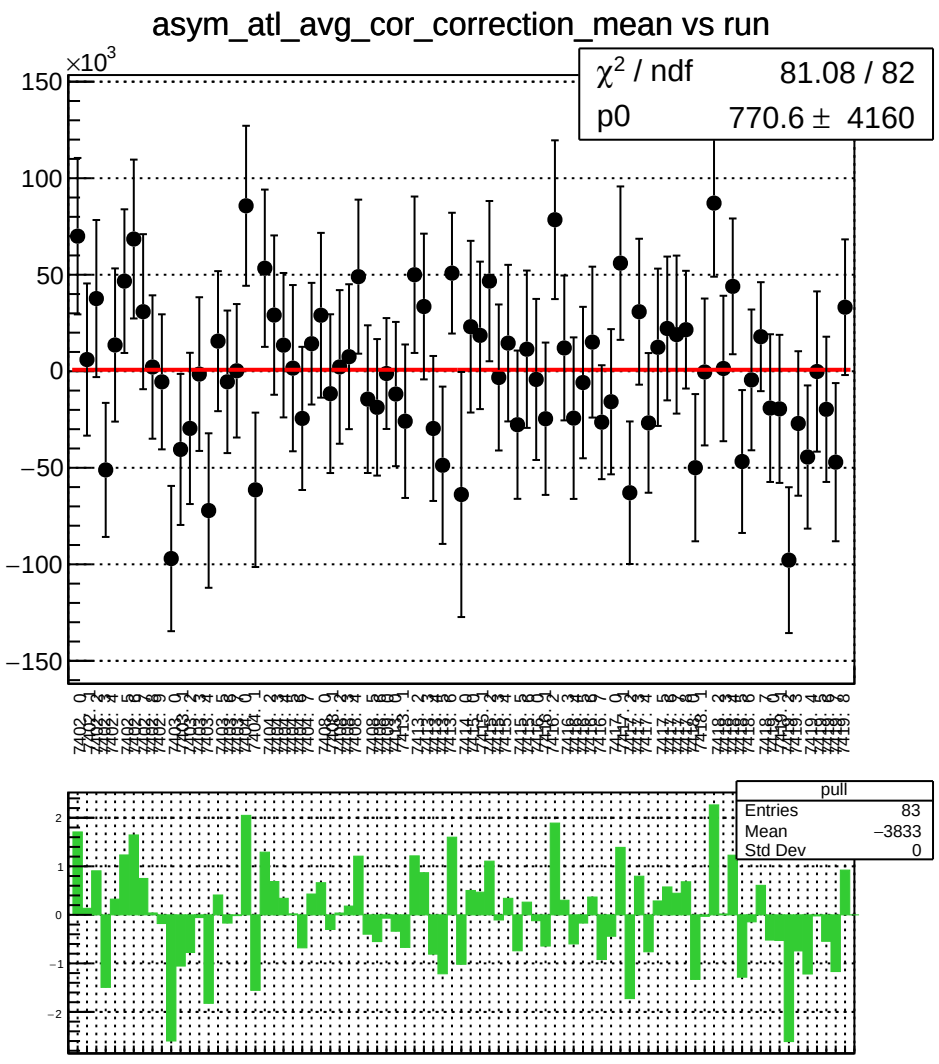

pull1D
Entries 83
Mean 0.0007354
Std Dev 0.9884
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

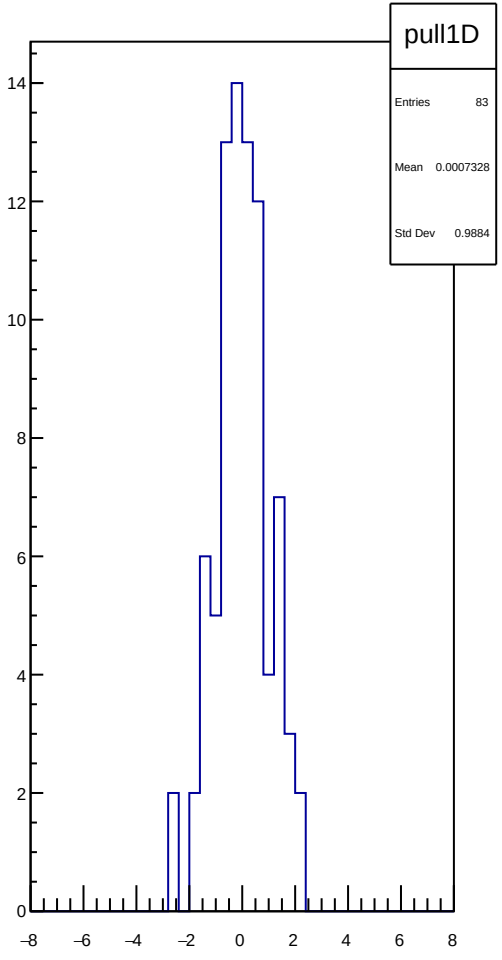

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 3639 / 82
p0 3692 ± 2.942
4400
4200
4000
3800
3600
3400
3200

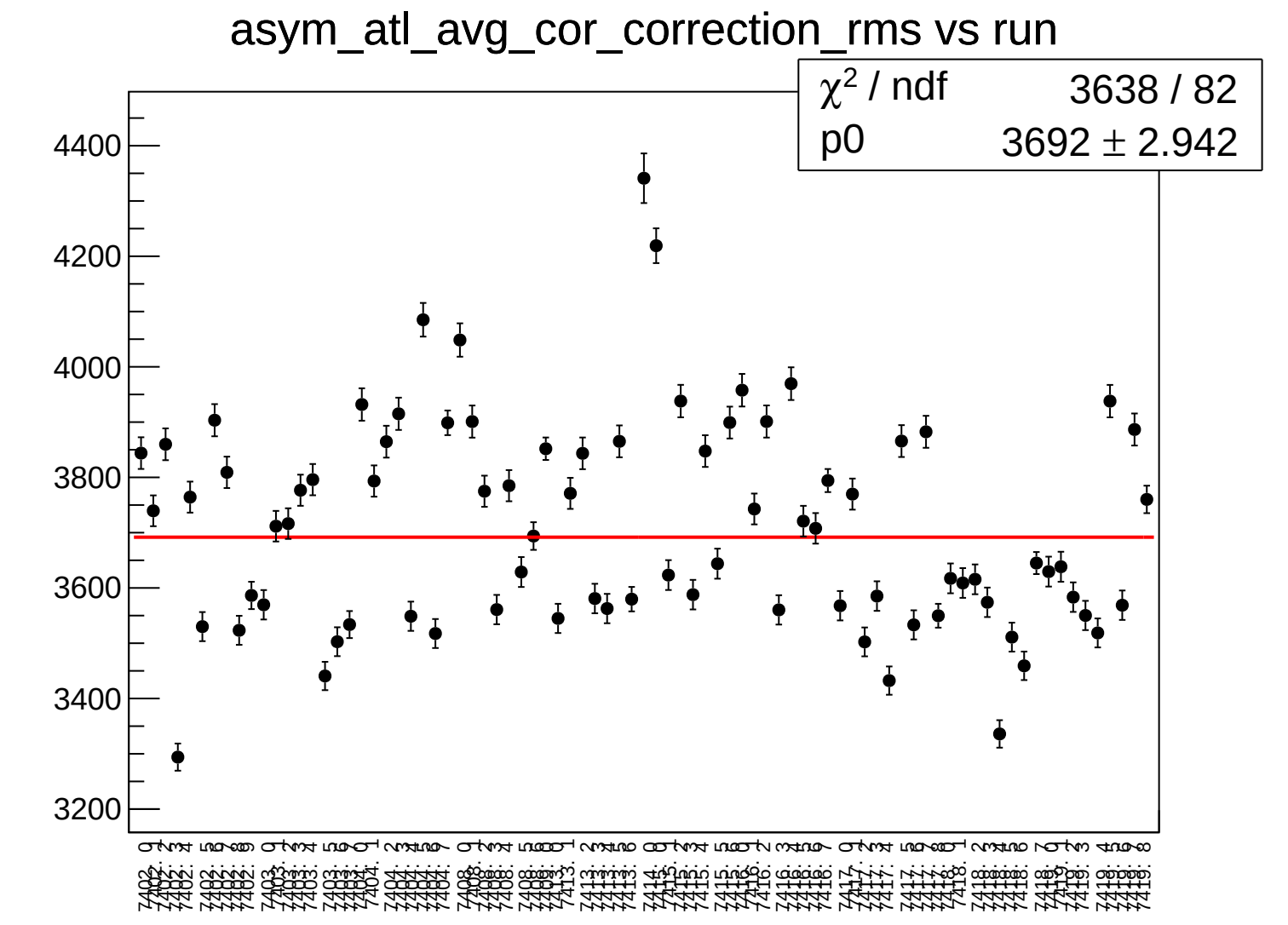

cor_asym_atl_avg_mean vs run
χ² / ndf 58.76 / 82
p0 582.8 ± 1729
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −4598
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

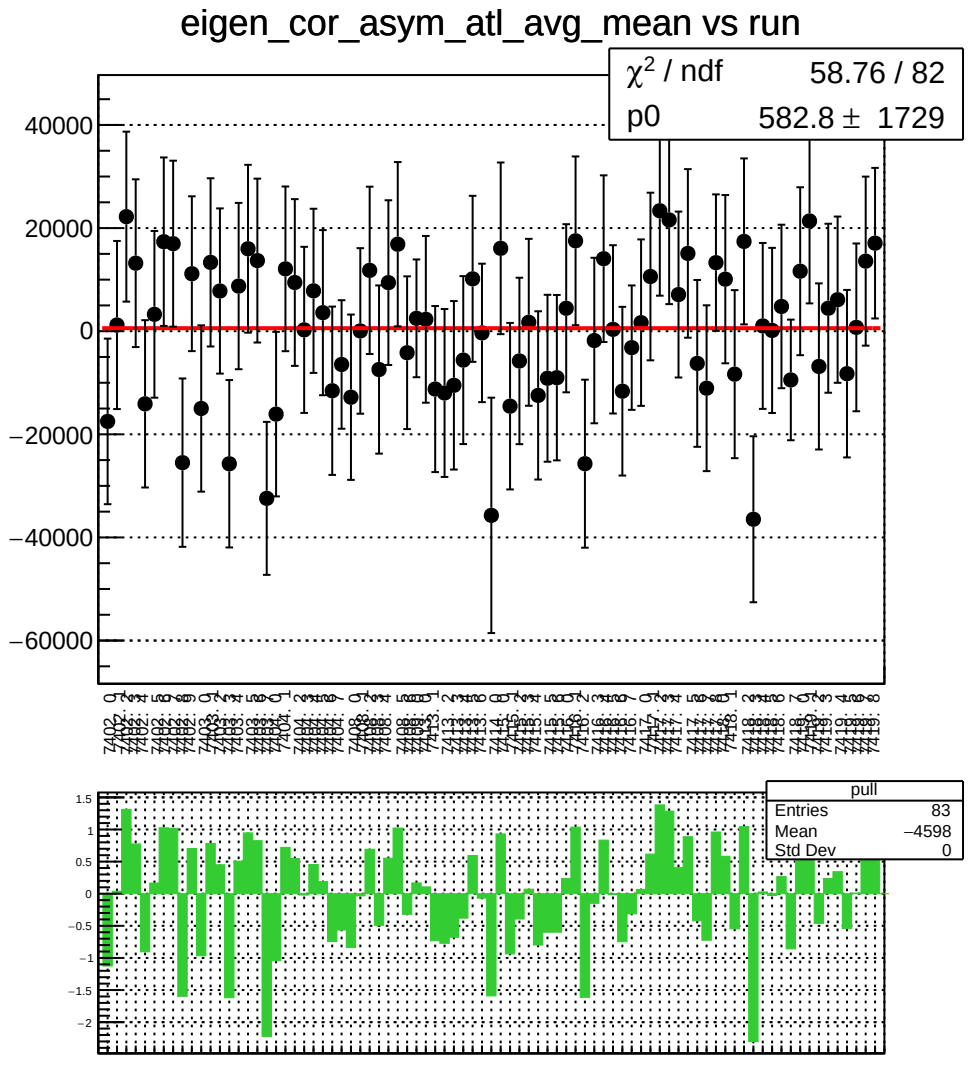

pull1D
Entries 83
Mean −0.0003377
Std Dev 0.8414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

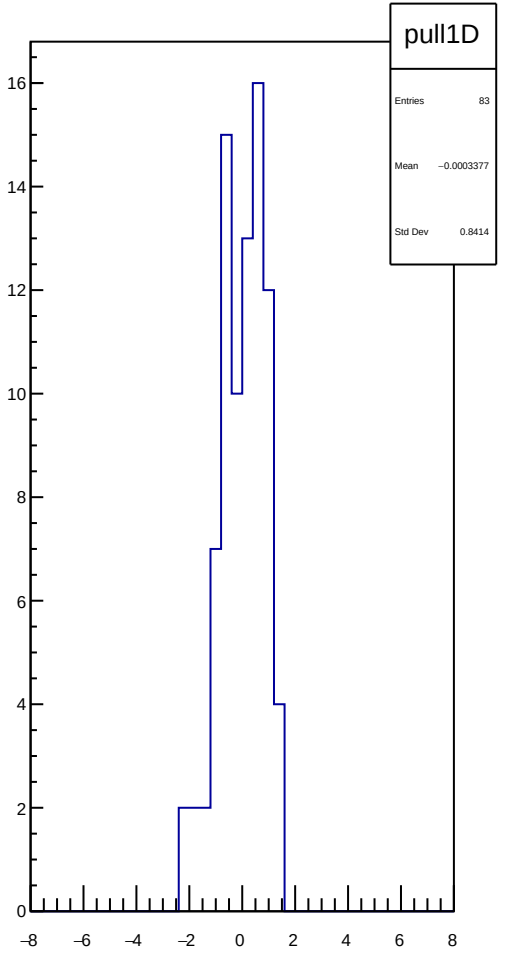

cor_asym_atl_avg_rms vs run
χ² / ndf 139.3 / 82
p0 1536 ± 1.223
1600
1580
1560
1540
1520
1500

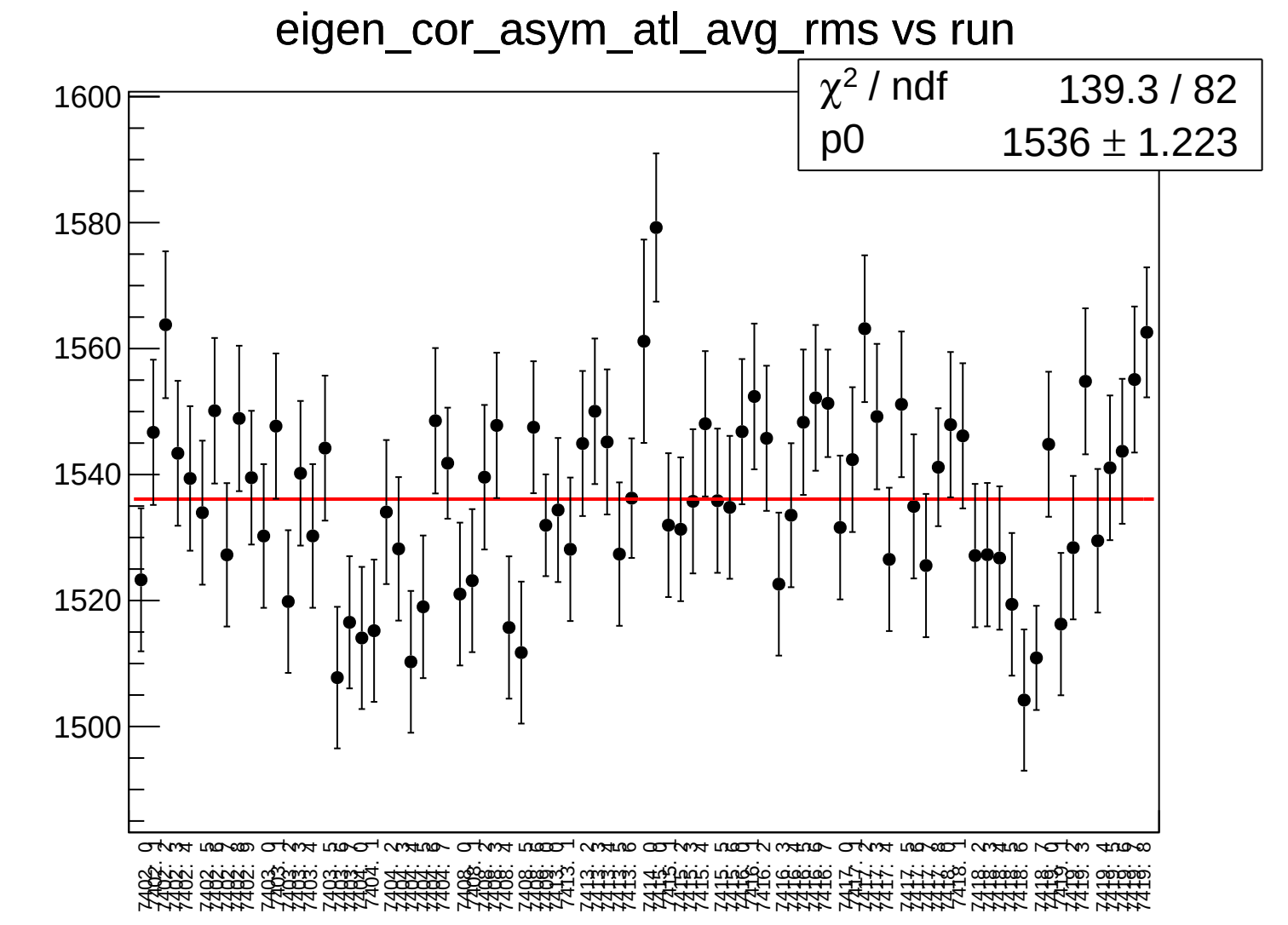

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 81.08 / 82
p0 770.6 ± 4160
×10³
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −3833
Std Dev 0
2
1
0
−1
−2

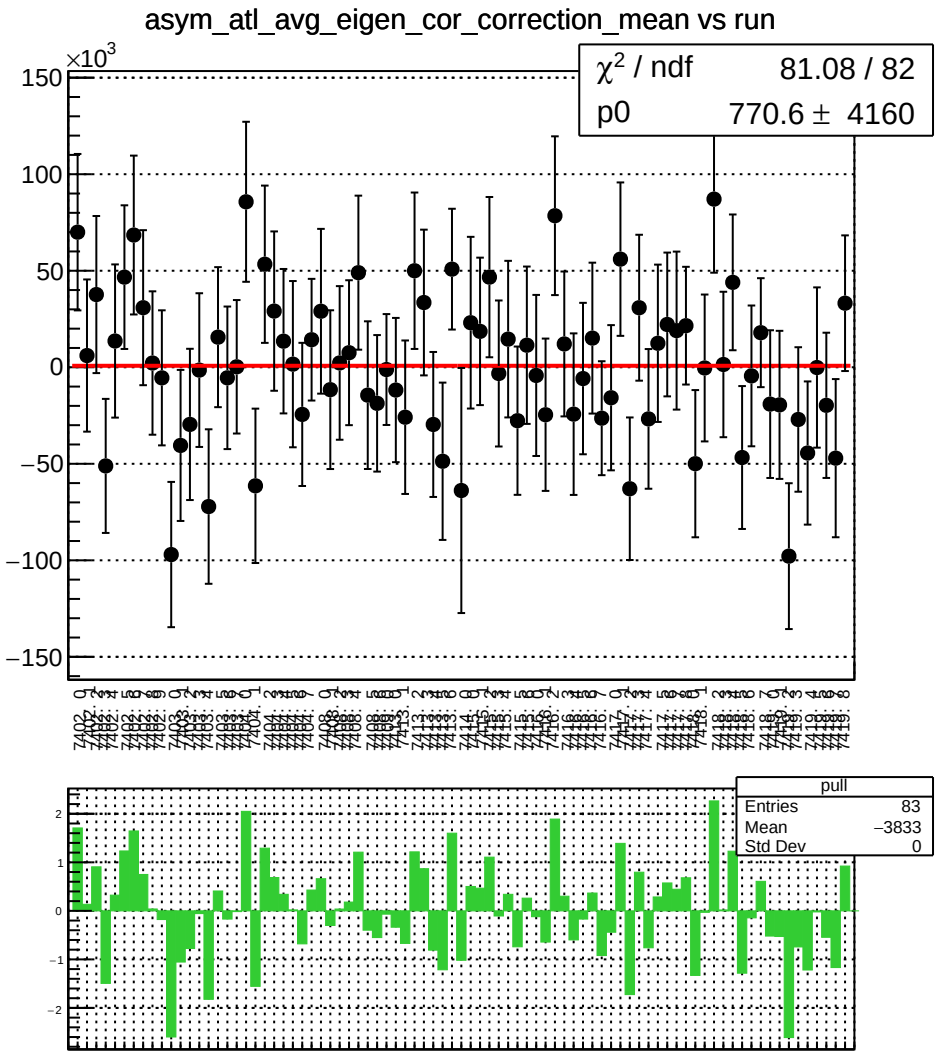

pull1D
Entries 83
Mean 0.0007328
Std Dev 0.9884
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

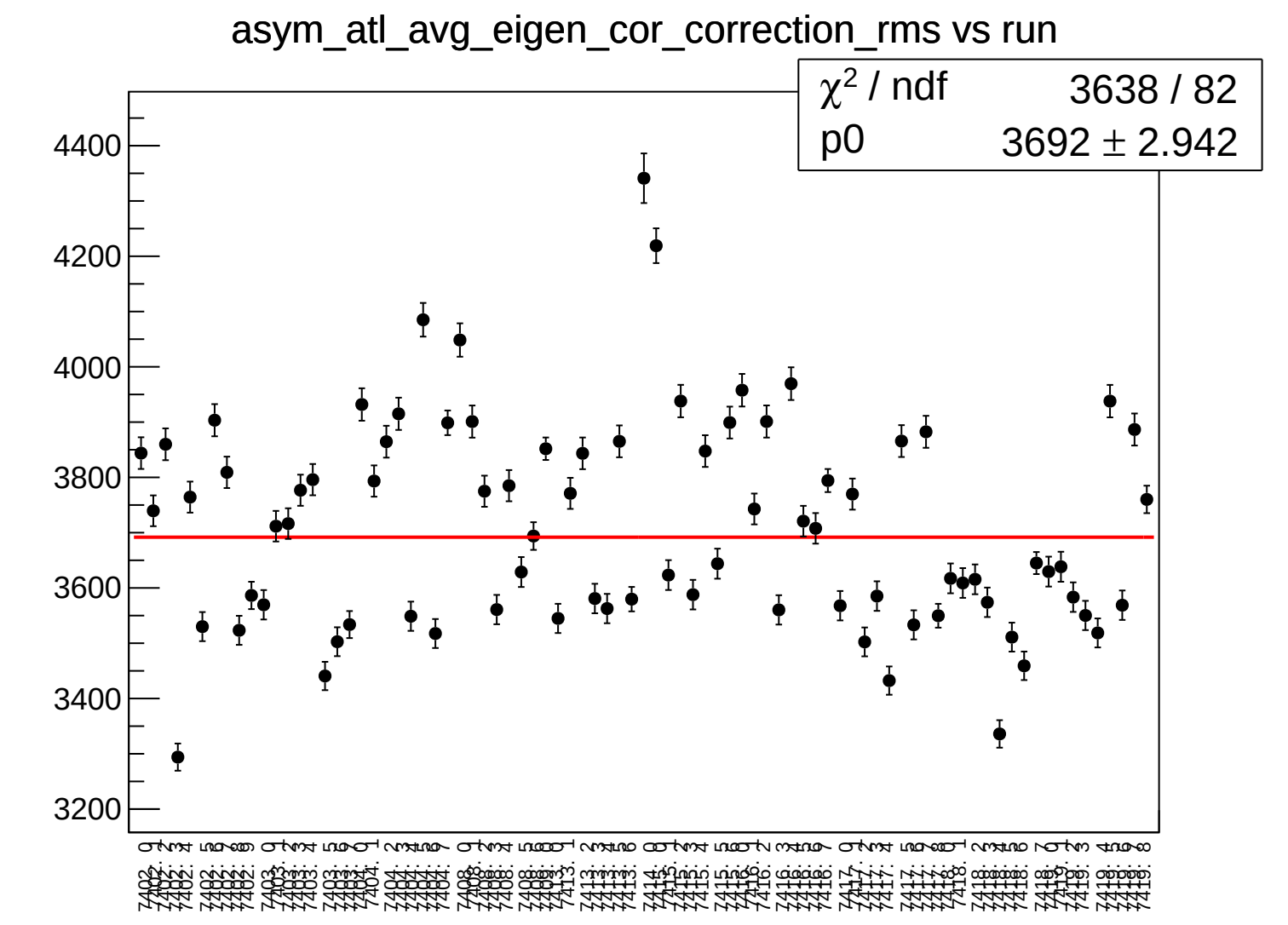

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 3638 / 82
p0 3692 ± 2.942
4400
4200
4000
3800
3600
3400
3200

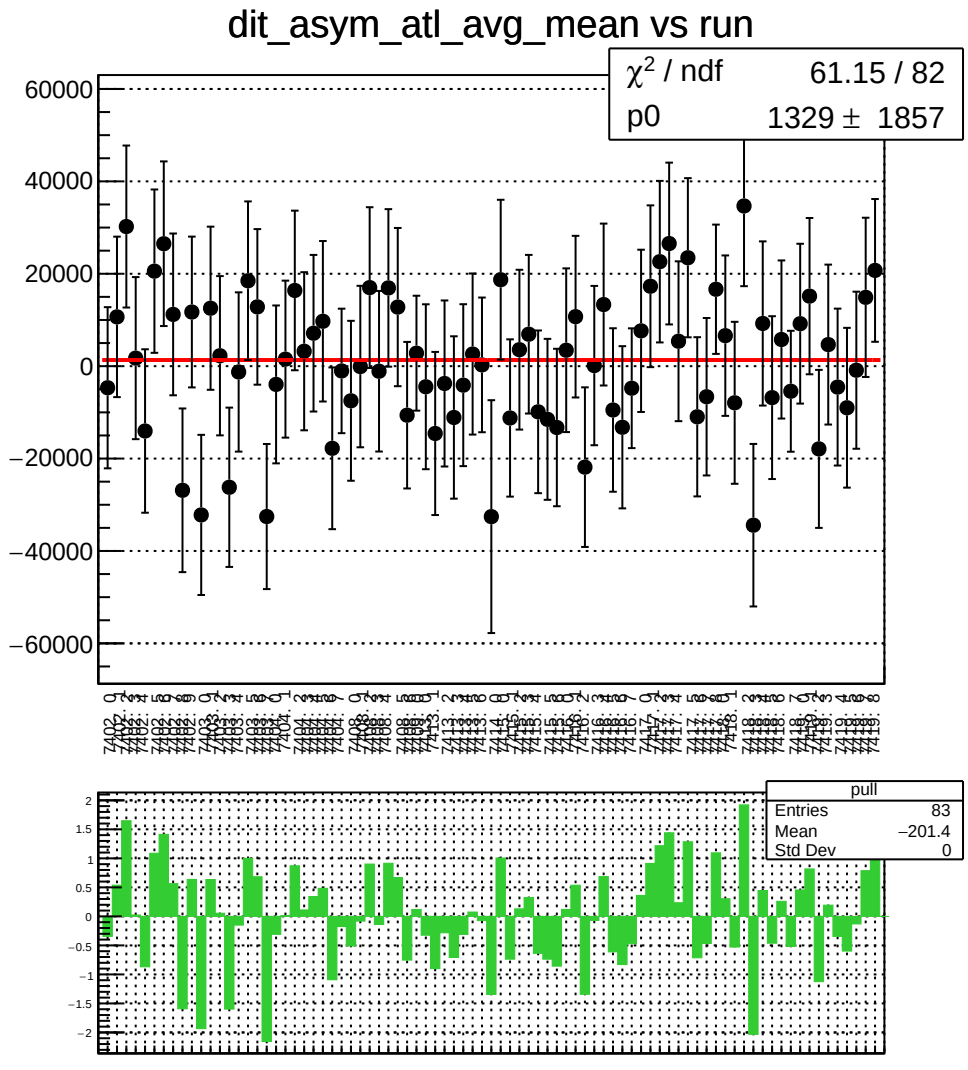

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 58.76 / 82
p0 582.8 ± 1729
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −4598
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

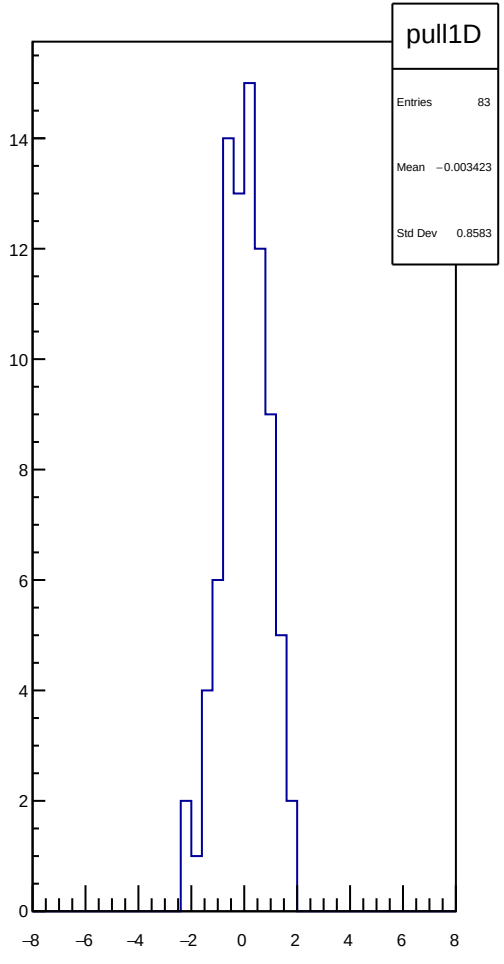

pull1D
Entries 83
Mean −0.0003377
Std Dev 0.8414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

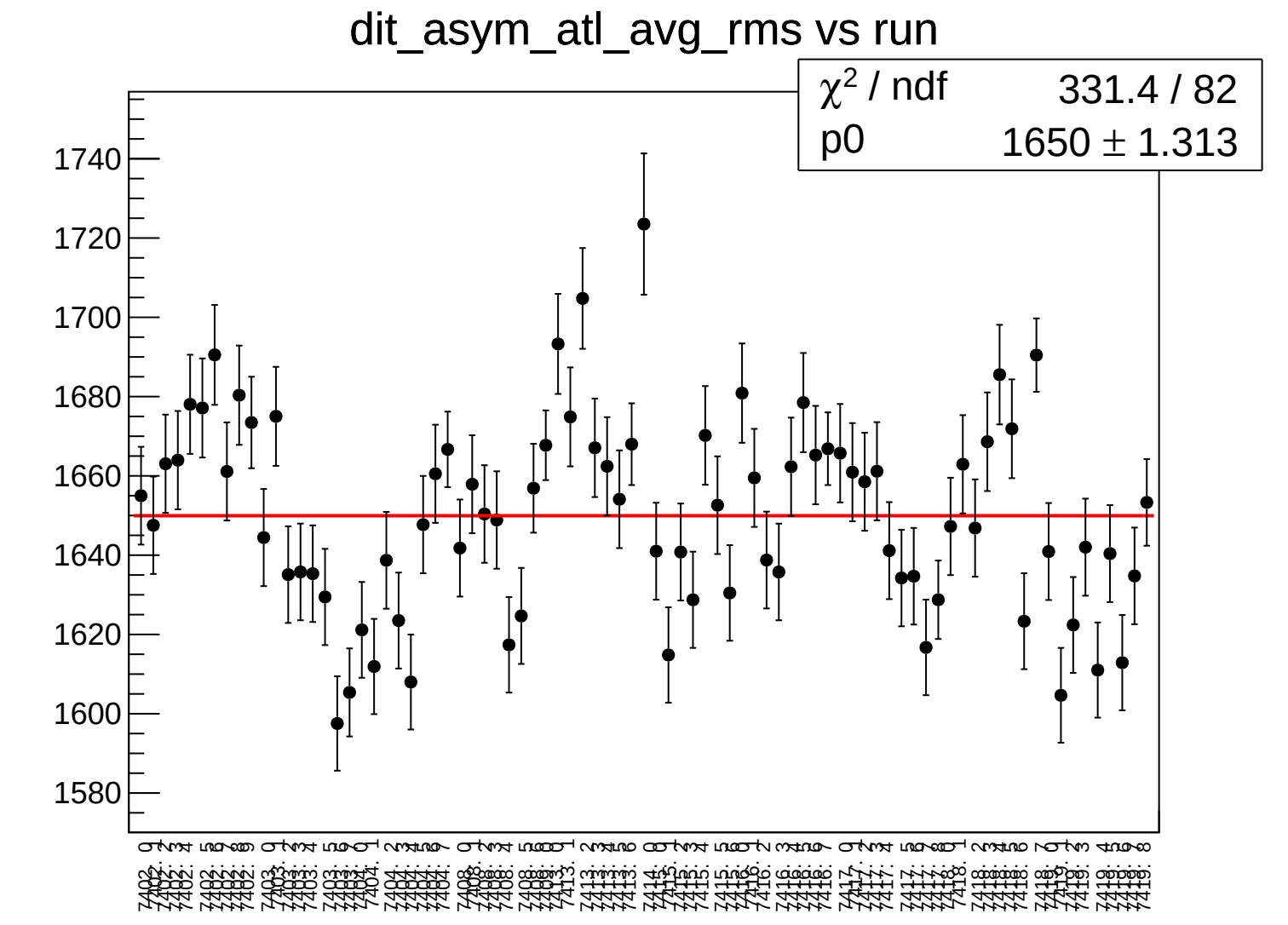

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 139.3 / 82
p0 1536 ± 1.223
1600
1580
1560
1540
1520
1500

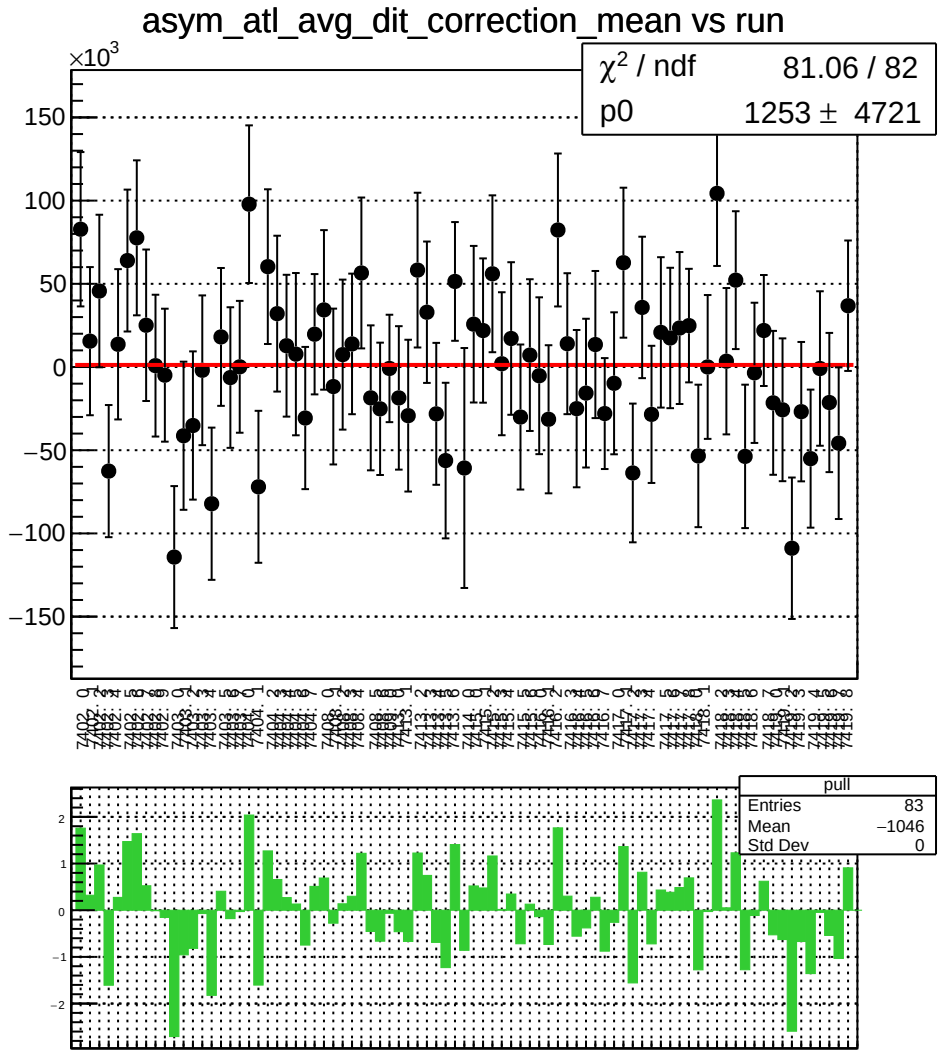

asym_atl_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.08 / 82
p0 770.6 ± 4160
pull
Entries 83
Mean −3833
Std Dev 0
pull1D
Entries 83
Mean 0.0007328
Std Dev 0.9884

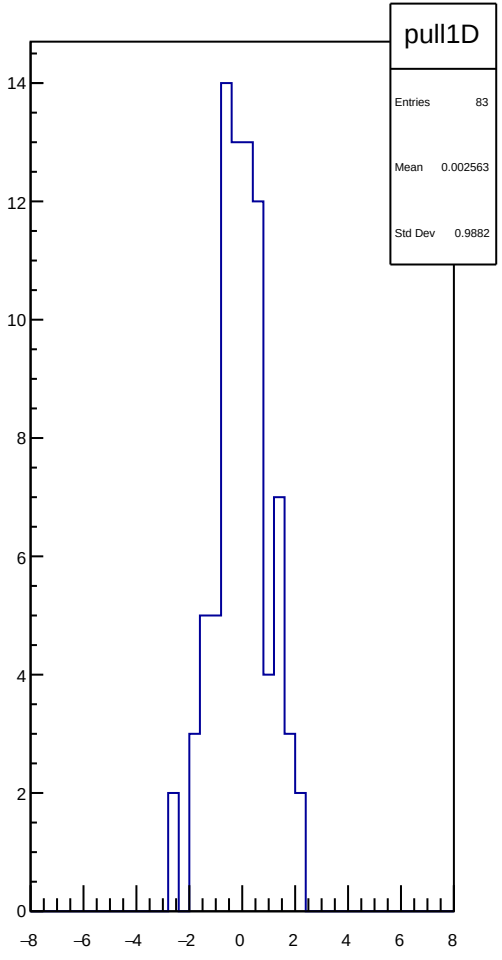

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 3638 / 82
p0 3692 ± 2.942
4400
4200
4000
3800
3600
3400
3200

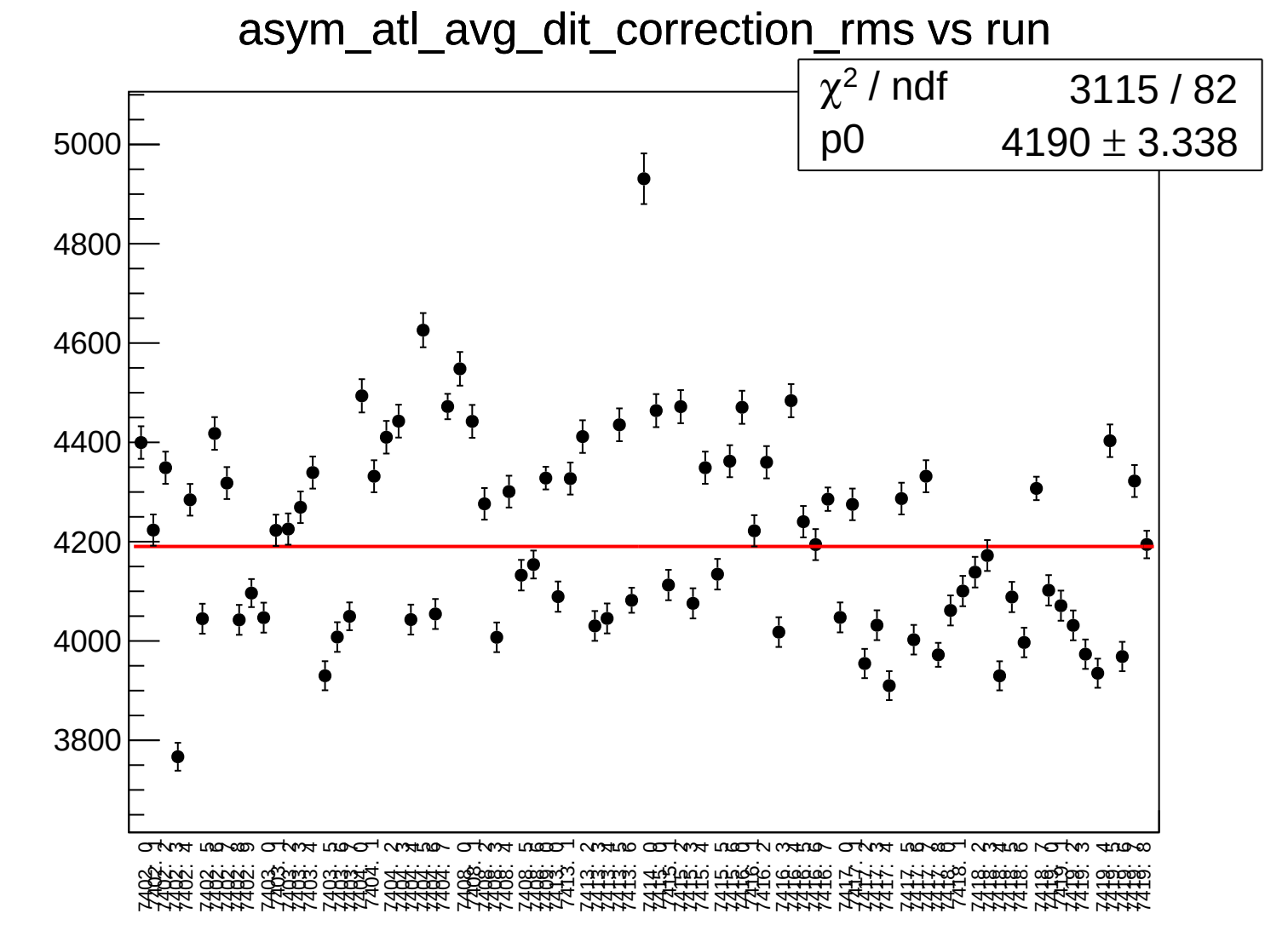

dit_asym_atl_avg_mean vs run
χ² / ndf 61.15 / 82
p0 1329 ± 1857
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −201.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

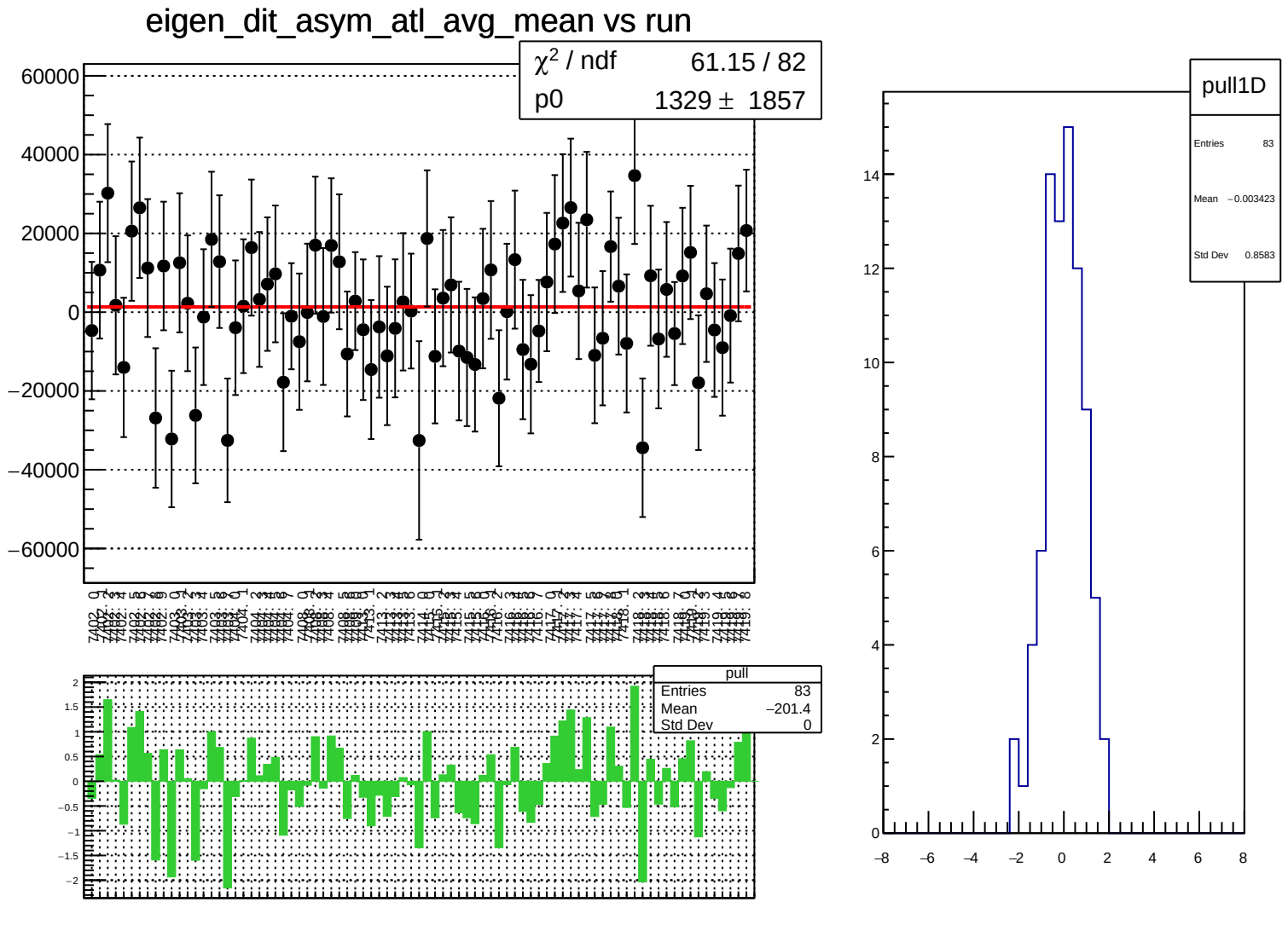

pull1D
Entries 83
Mean −0.003423
Std Dev 0.8583
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

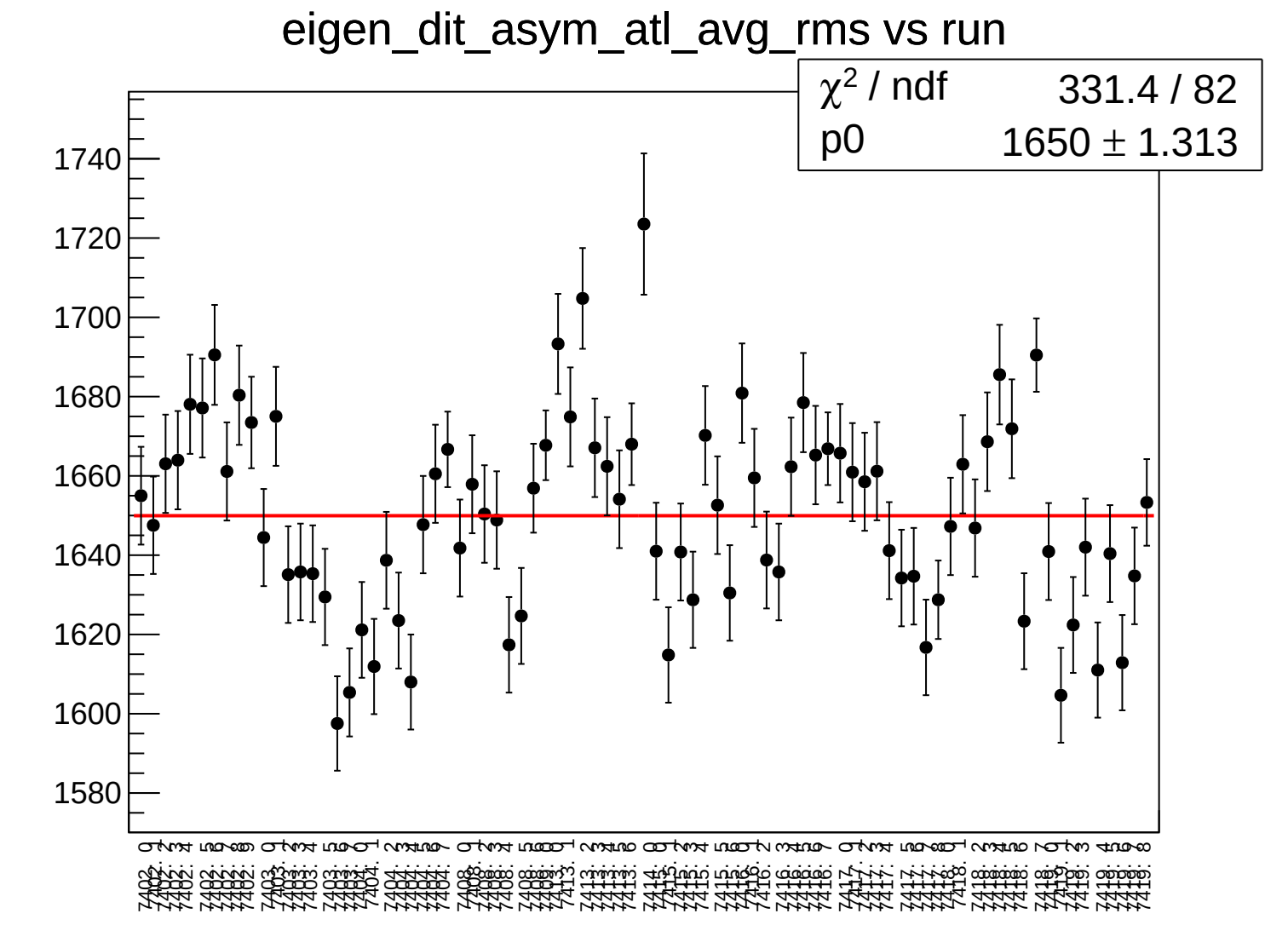

dit_asym_atl_avg_rms vs run
χ² / ndf 331.4 / 82
p0 1650 ± 1.313
1740
1720
1700
1680
1660
1640
1620
1600
1580

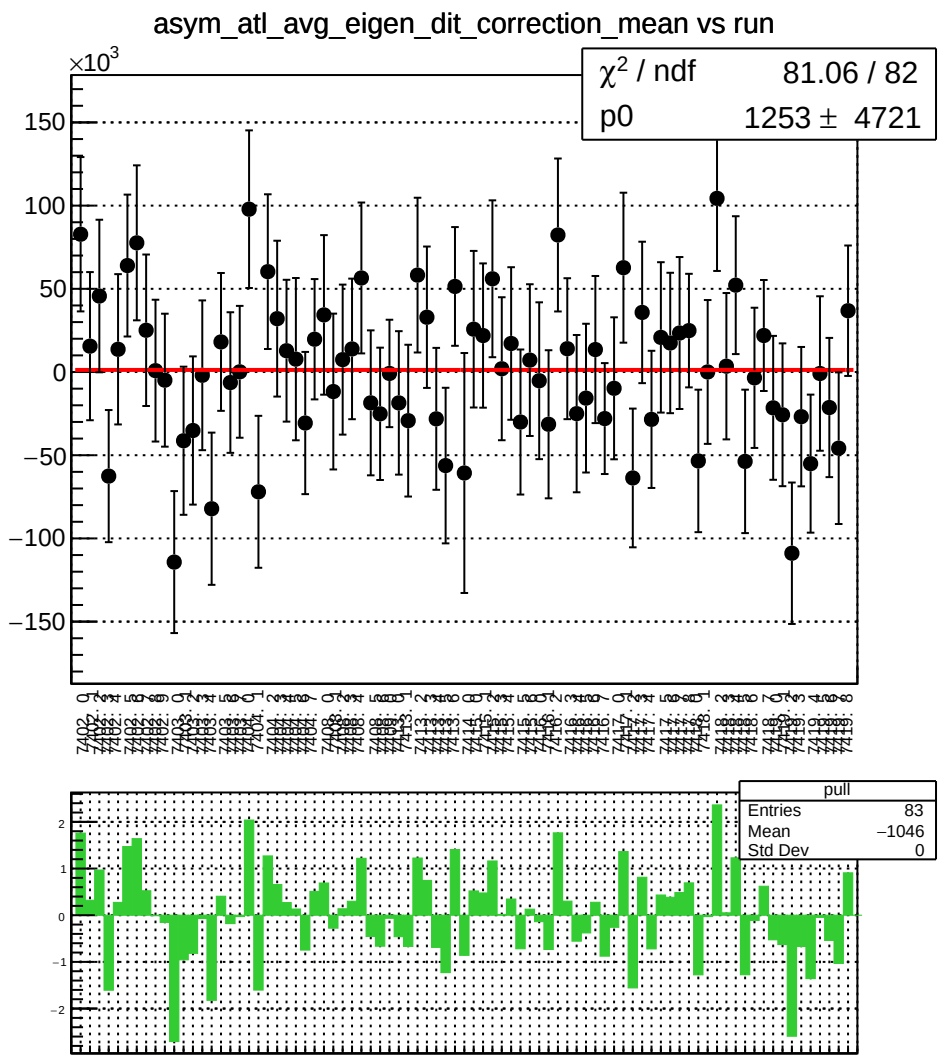

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.06 / 82
p0 1253 ± 4721
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1046
Std Dev 0
2
1
0
−1
−2

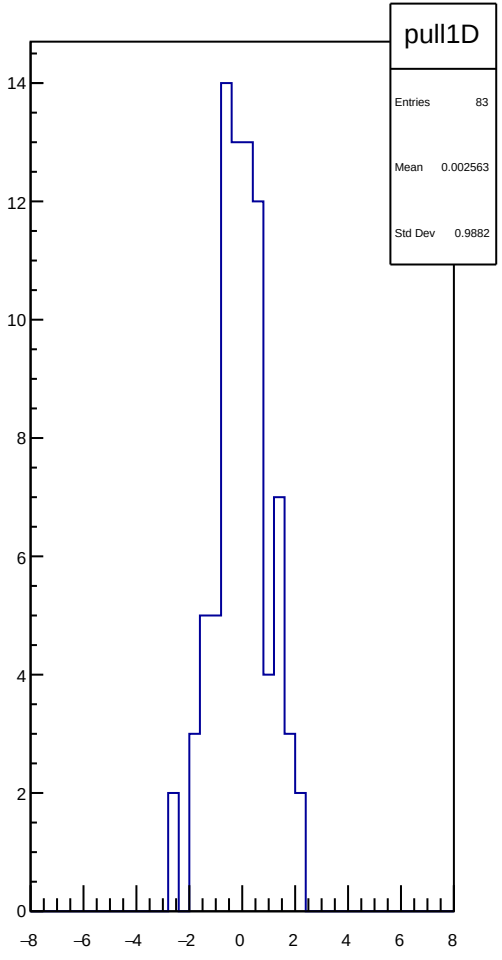

pull1D
Entries 83
Mean 0.002563
Std Dev 0.9882
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

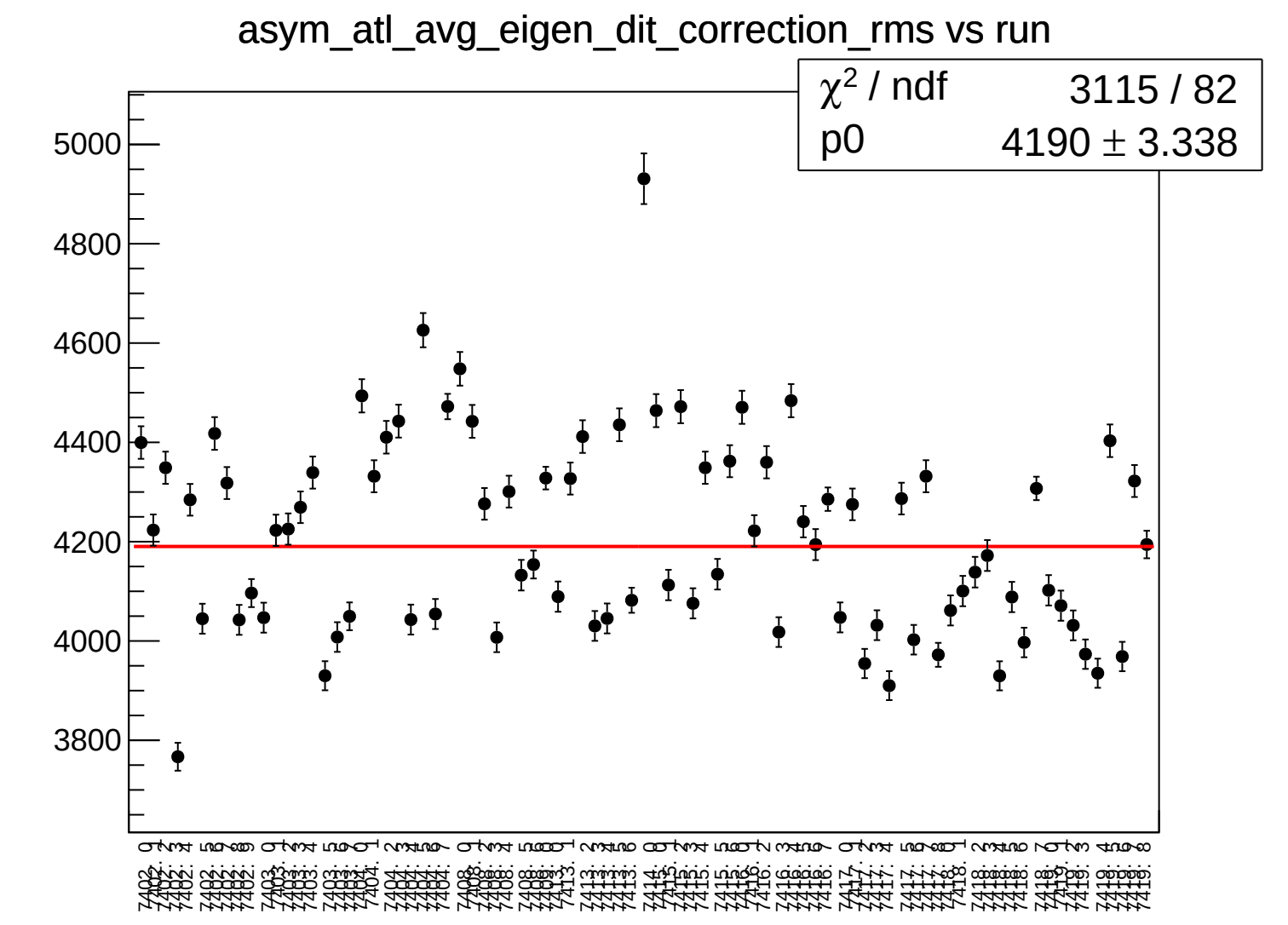

asym_atl_avg_dit_correction_rms vs run
χ^2 / ndf 3115 / 82
p0 4190 ± 3.338
5000
4800
4600
4400
4200
4000
3800

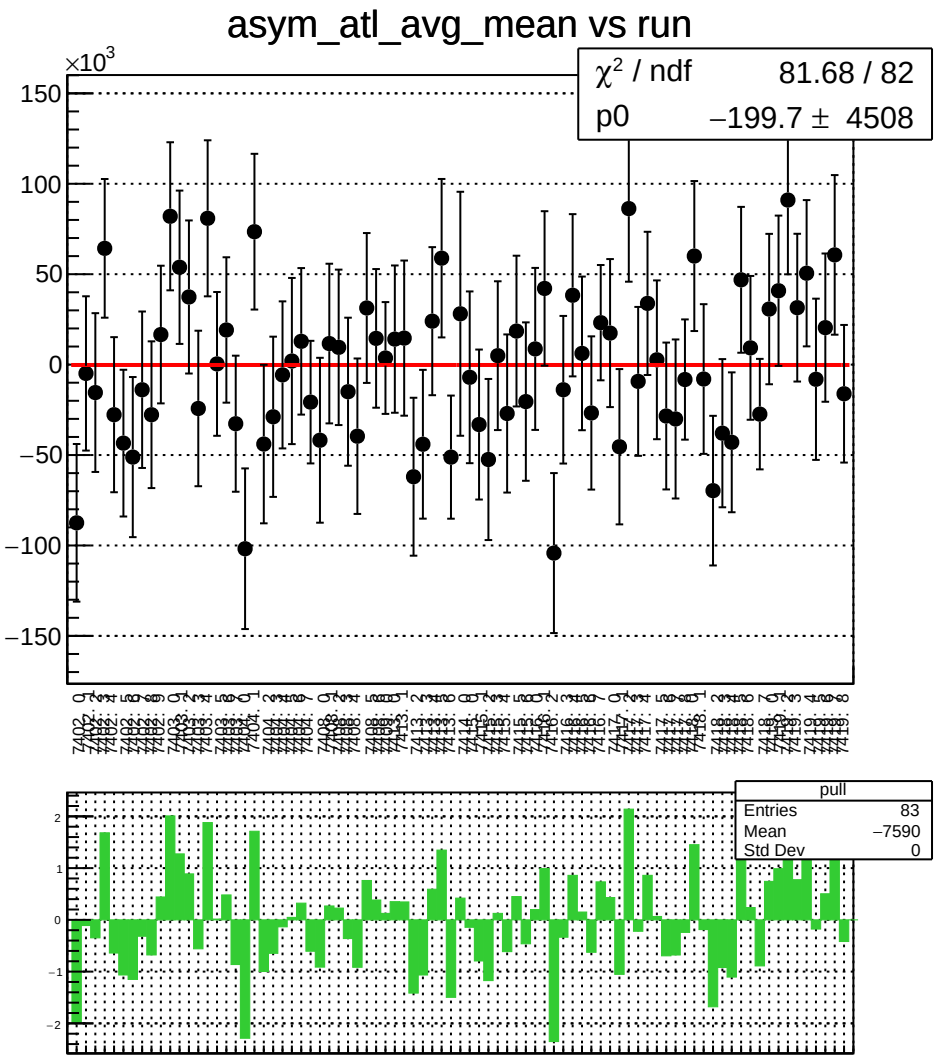

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 61.15 / 82
p0 1329 ± 1857
pull
Entries 83
Mean −201.4
Std Dev 0
pull1D
Entries 83
Mean −0.003423
Std Dev 0.8583

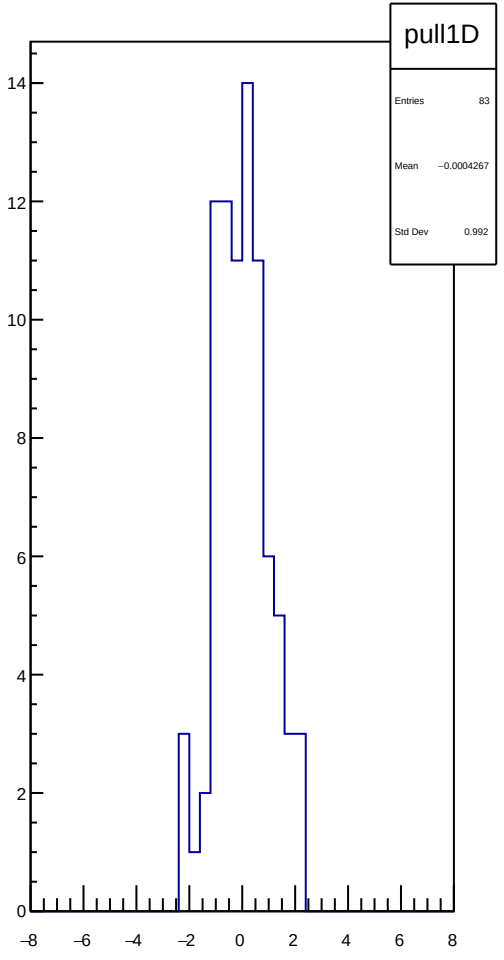

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 331.4 / 82
p0 1650 ± 1.313
1740
1720
1700
1680
1660
1640
1620
1600
1580

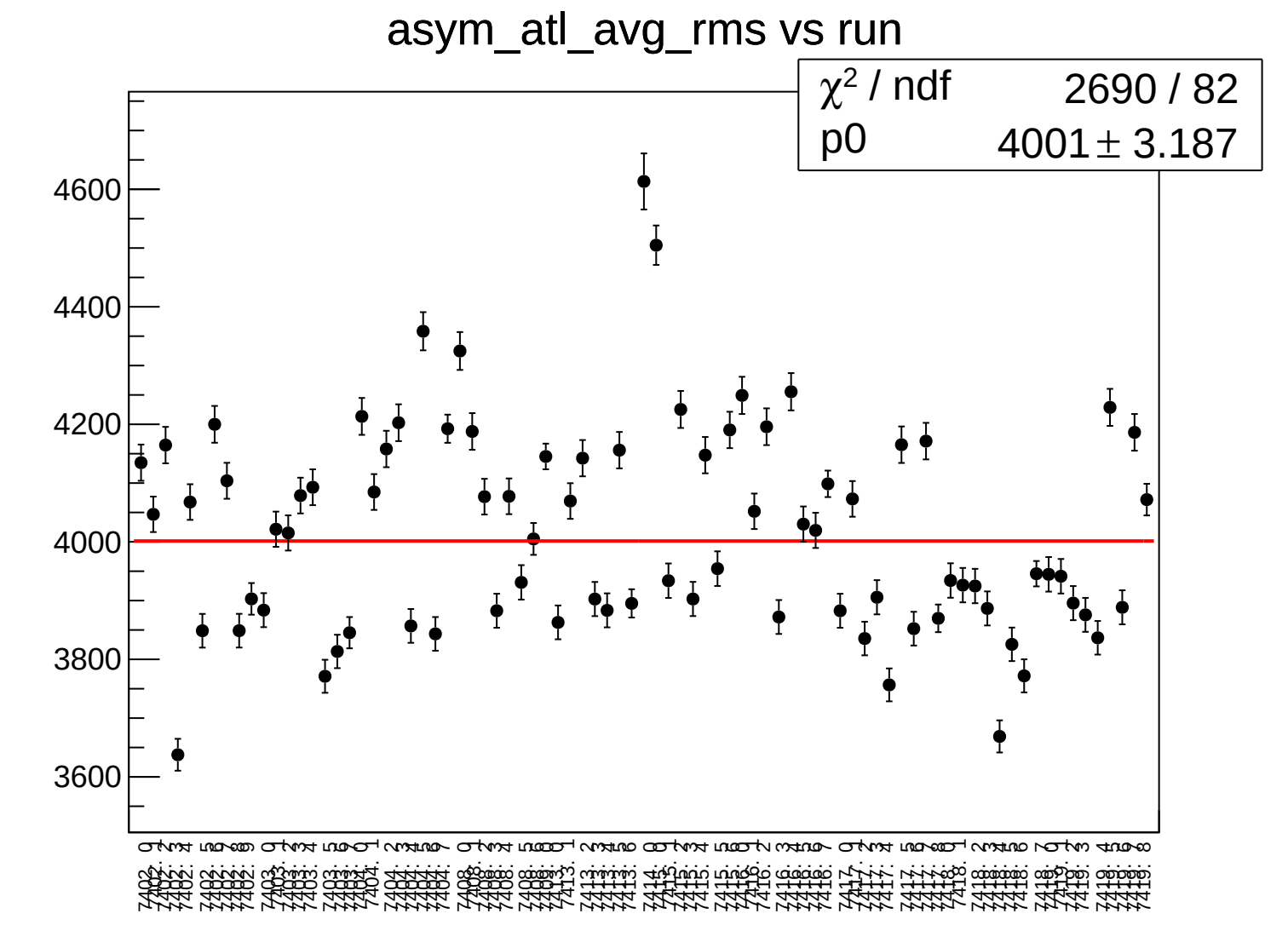

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.06 / 82
p0 1253 ± 4721
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1046
Std Dev 0
2
1
0
−1
−2

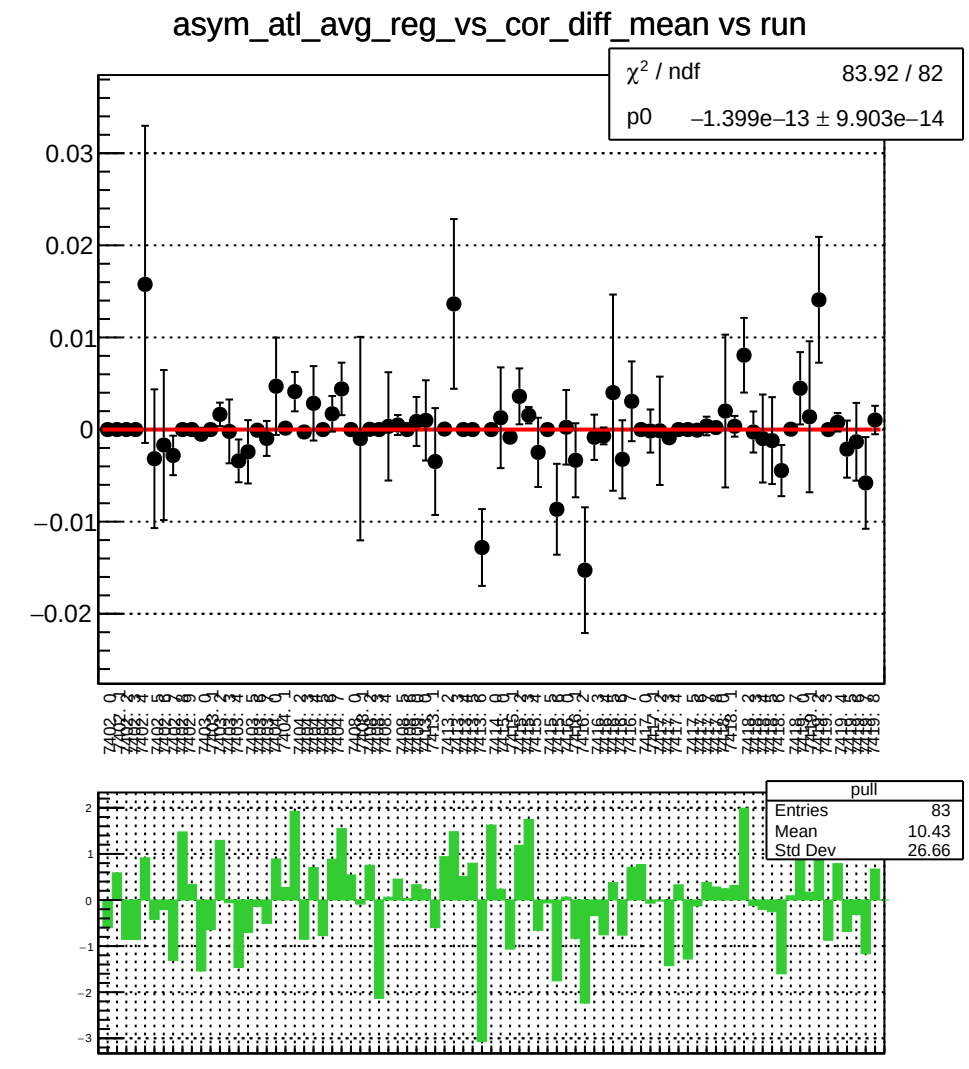

pull1D
Entries 83
Mean 0.002563
Std Dev 0.9882
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

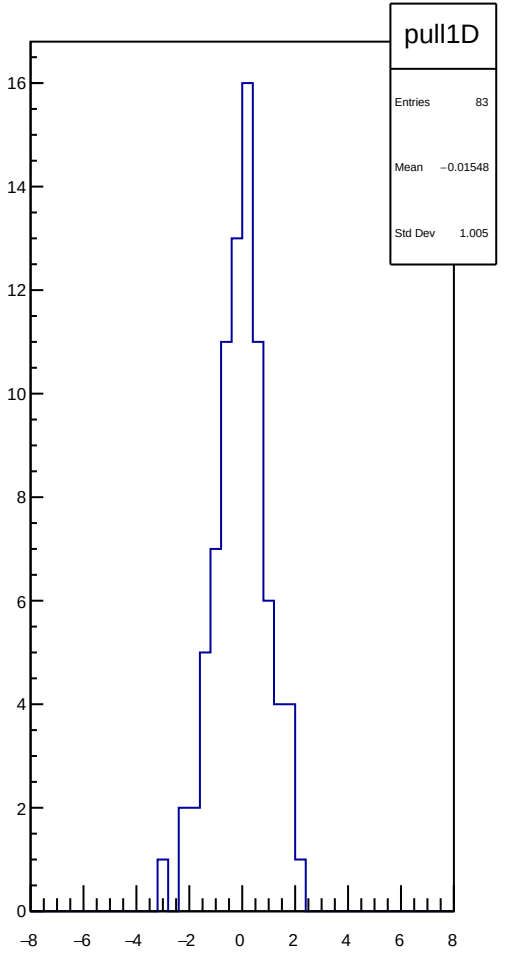

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 3115 / 82
p0 4190 ± 3.338
5000
4800
4600
4400
4200
4000
3800

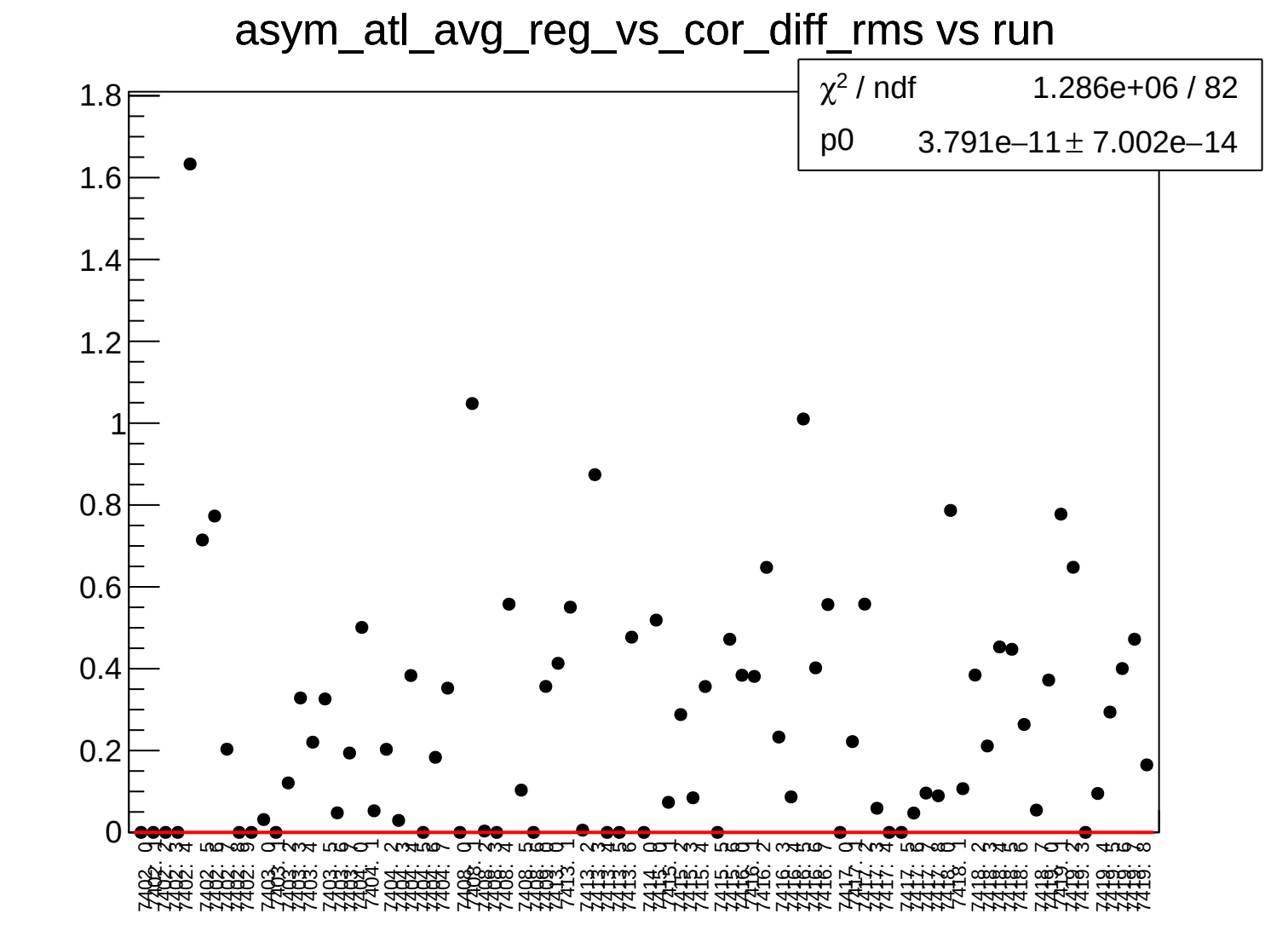

asym_atl_avg_mean vs run
×10^3
χ² / ndf 81.68 / 82
p0 −199.7 ± 4508
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −7590
Std Dev 0
2
1
0
−1
−2

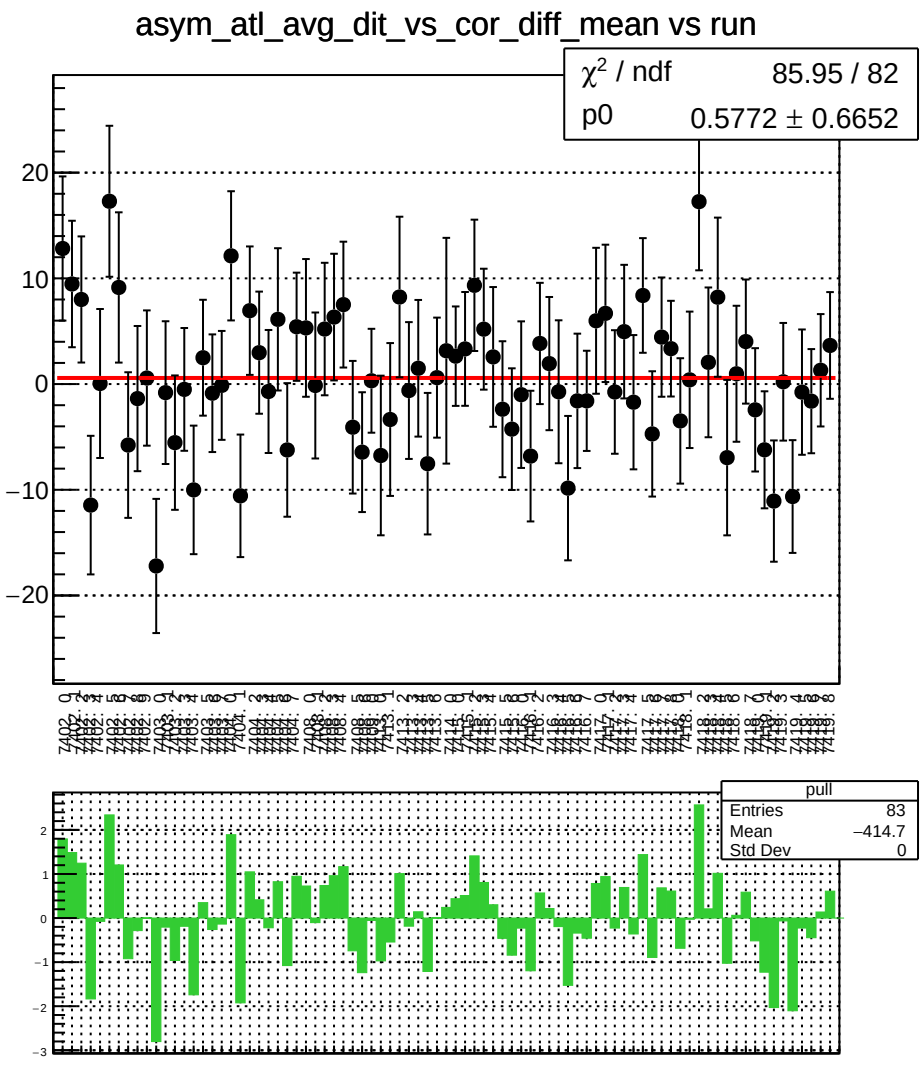

pull1D
Entries 83
Mean −0.0004267
Std Dev 0.992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

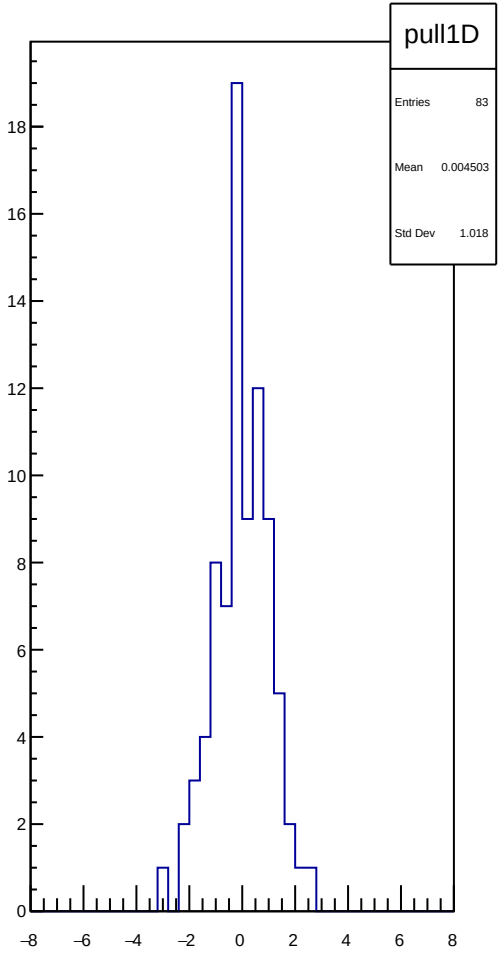

asym_atl_avg_rms vs run
χ² / ndf 2690 / 82
p0 4001 ± 3.187
4600
4400
4200
4000
3800
3600

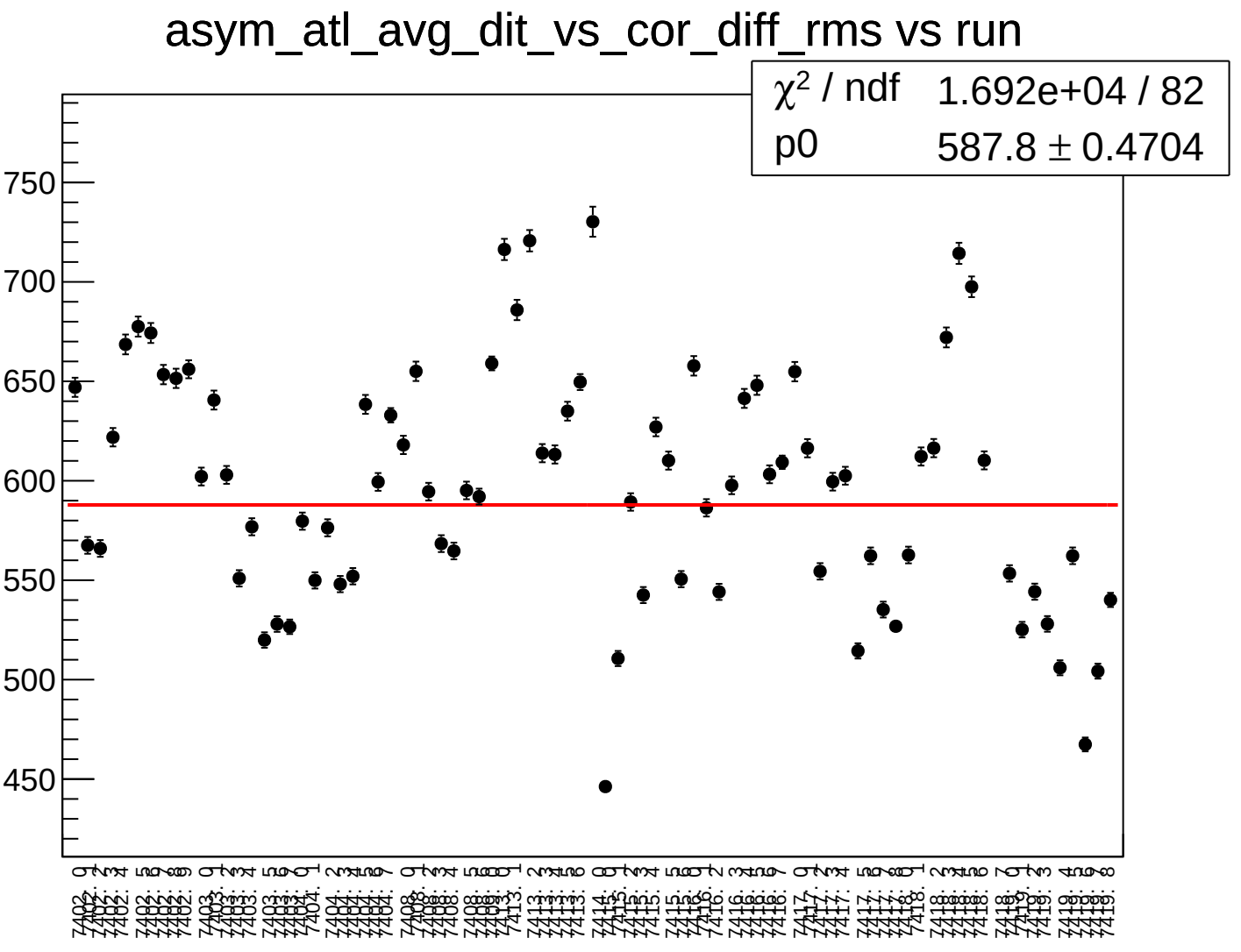

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.92 / 82
p0 −1.399e−13 ± 9.903e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 10.43
Std Dev 26.66
2
1
0
−1
−2
−3

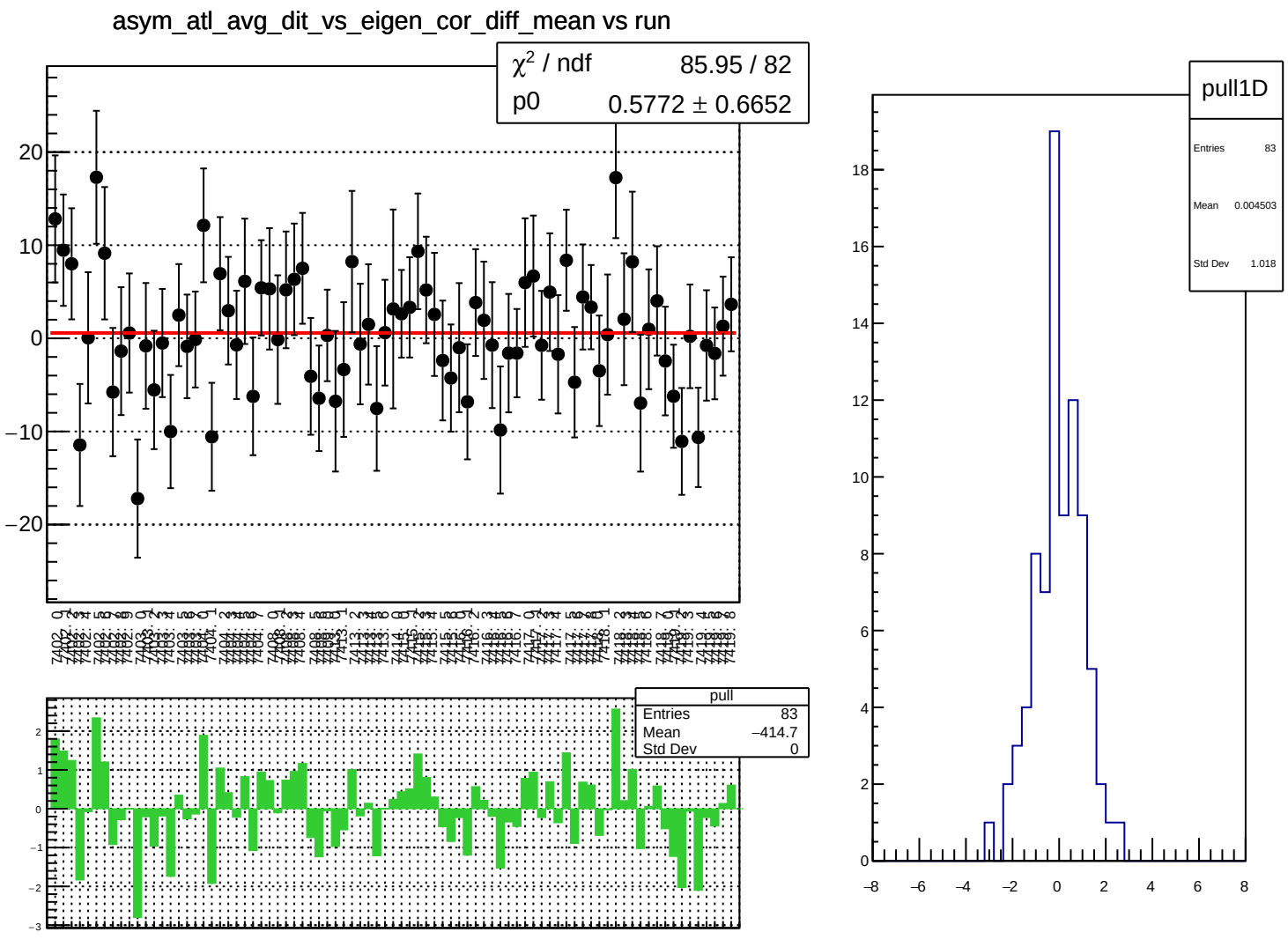

pull1D
Entries 83
Mean −0.01548
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

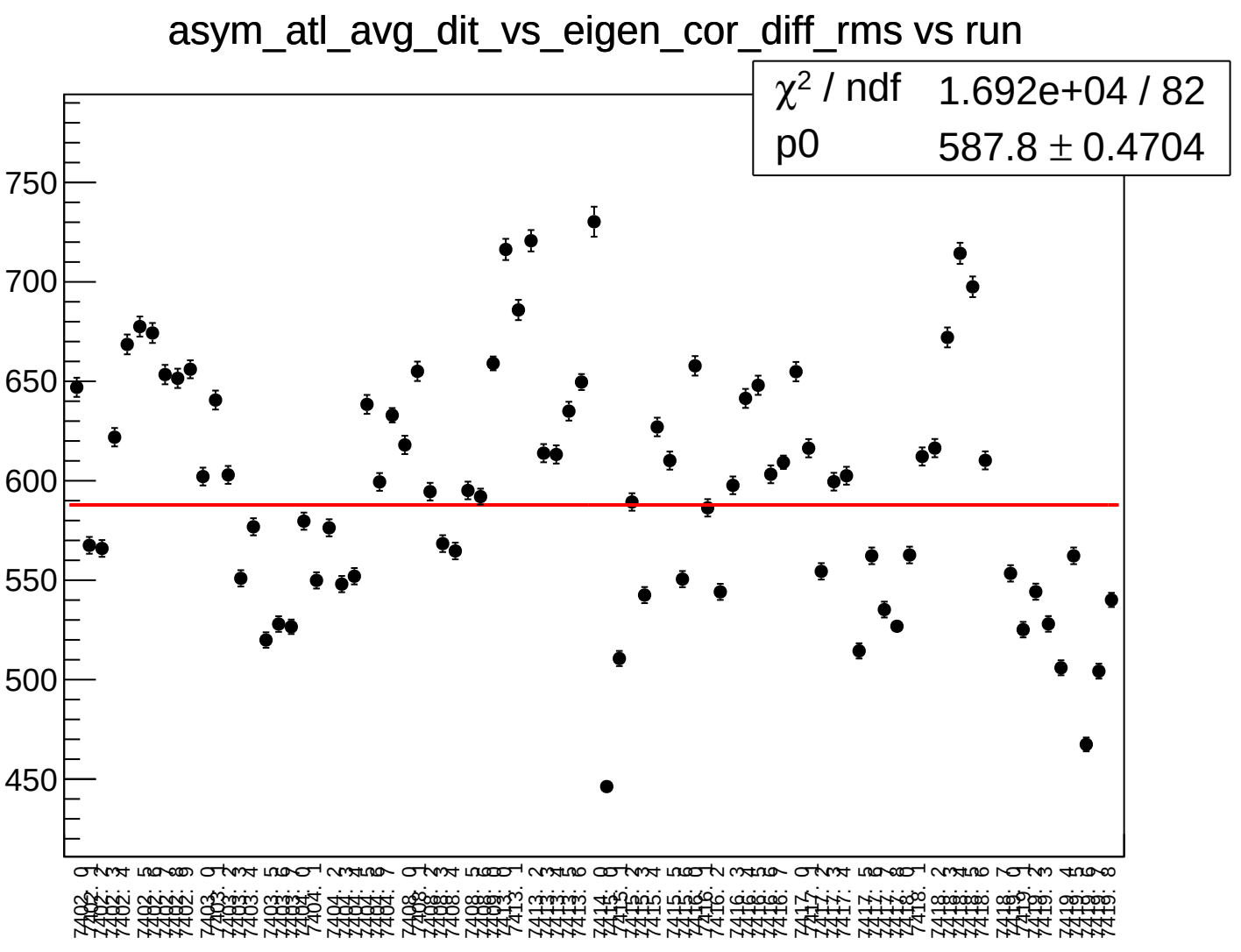

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.286e+06 / 82
p0 3.791e−11 ± 7.002e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

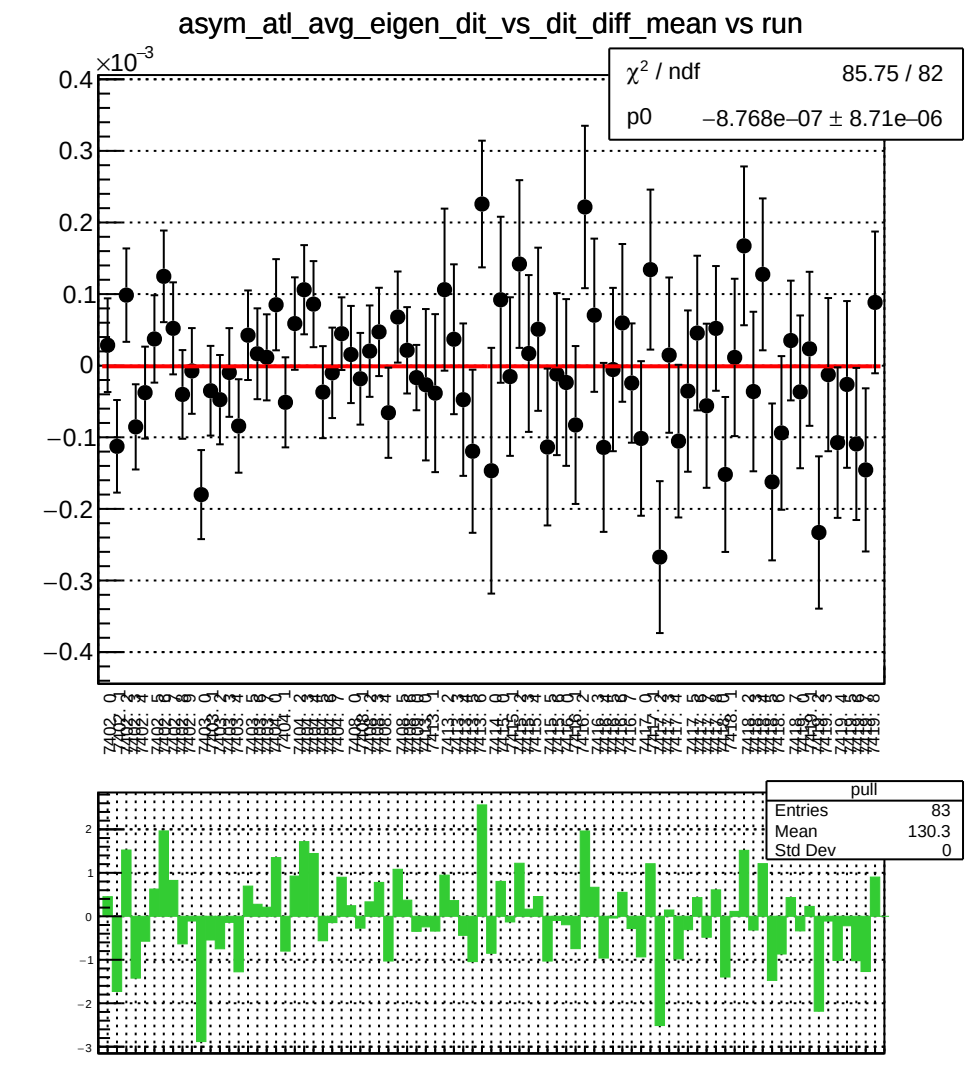

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.95 / 82
p0 0.5772 ± 0.6652
pull
Entries 83
Mean −414.7
Std Dev 0

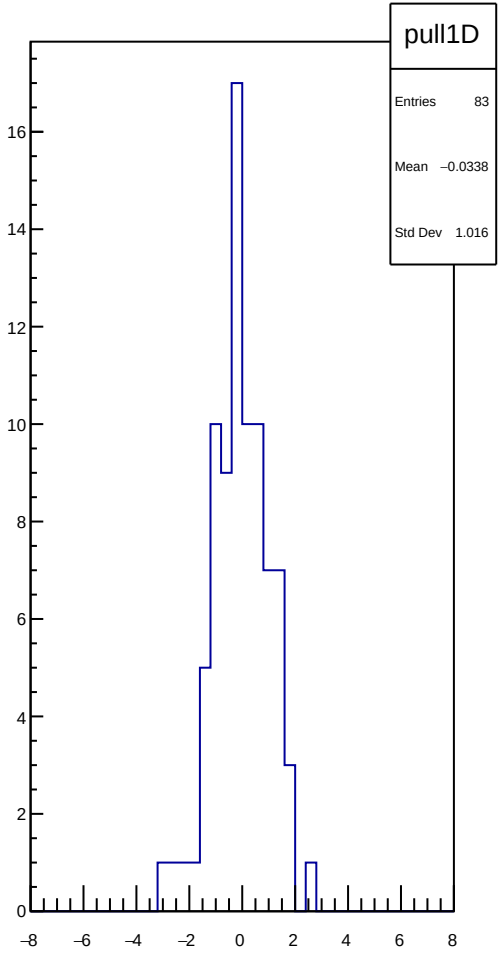

pull1D
Entries 83
Mean 0.004503
Std Dev 1.018

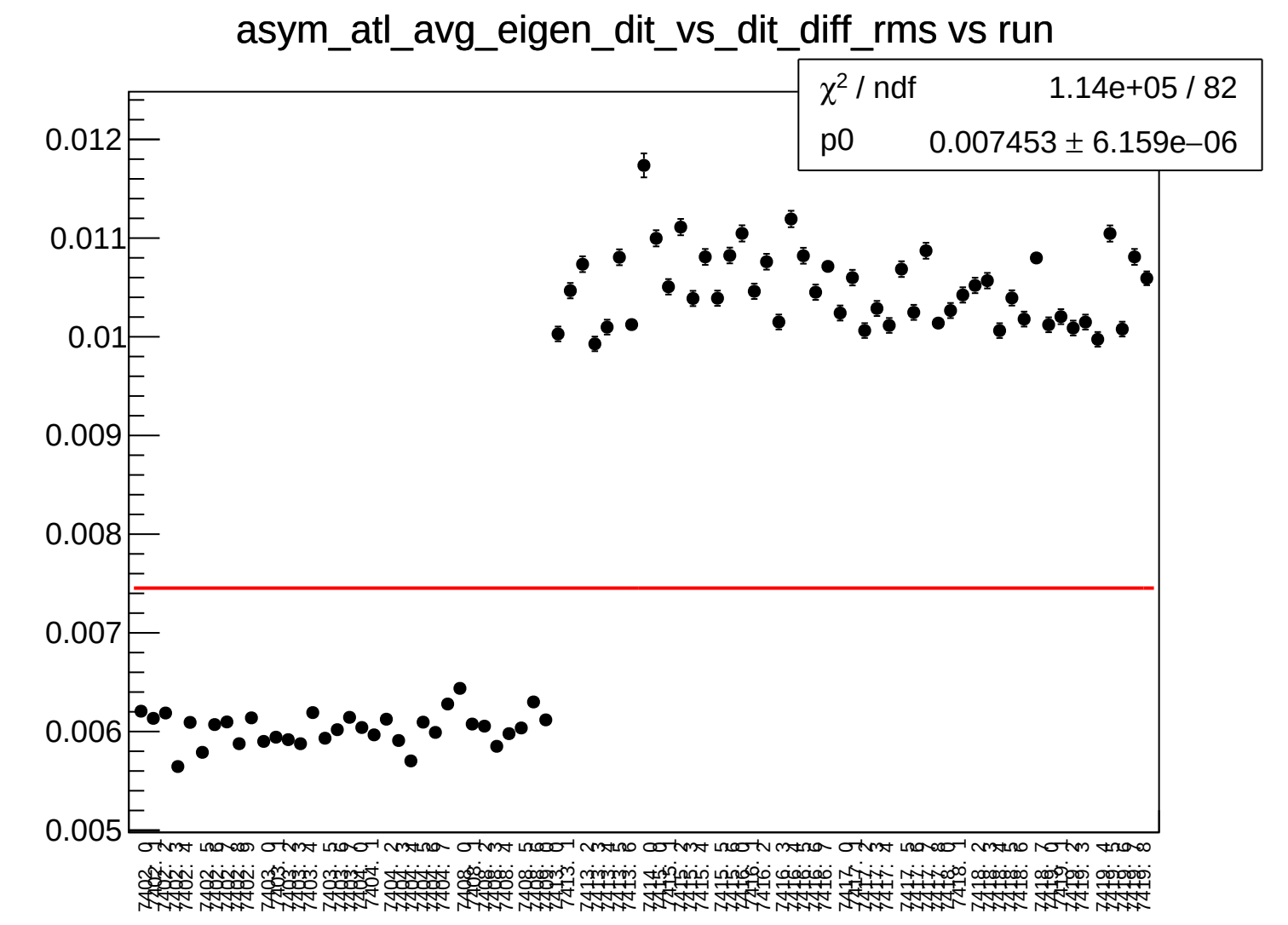

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.692e+04 / 82
p0 587.8 ± 0.4704
750
700
650
600
550
500
450

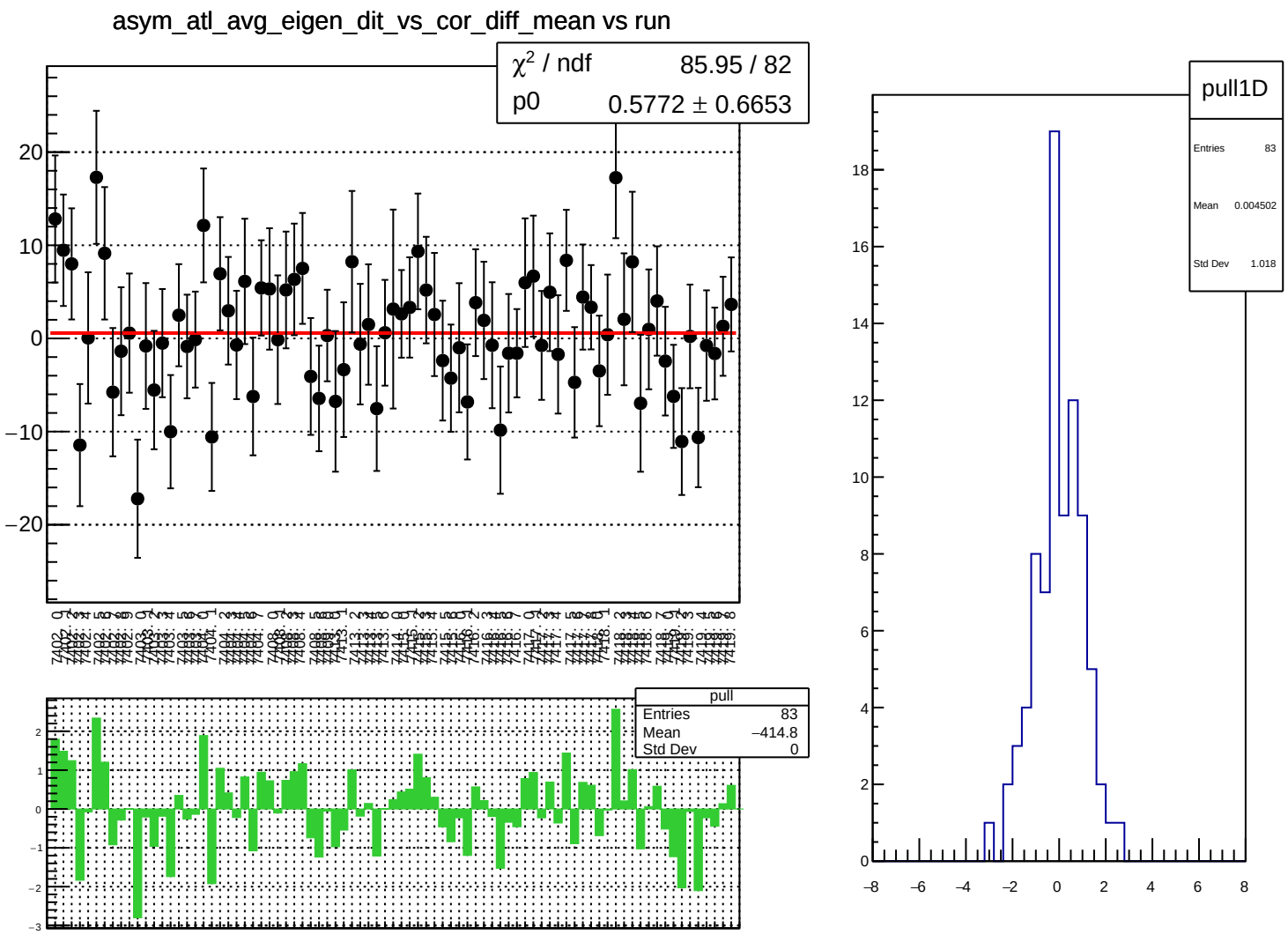

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.95 / 82
p0 0.5772 ± 0.6652
pull
Entries 83
Mean −414.7
Std Dev 0
pull1D
Entries 83
Mean 0.004503
Std Dev 1.018

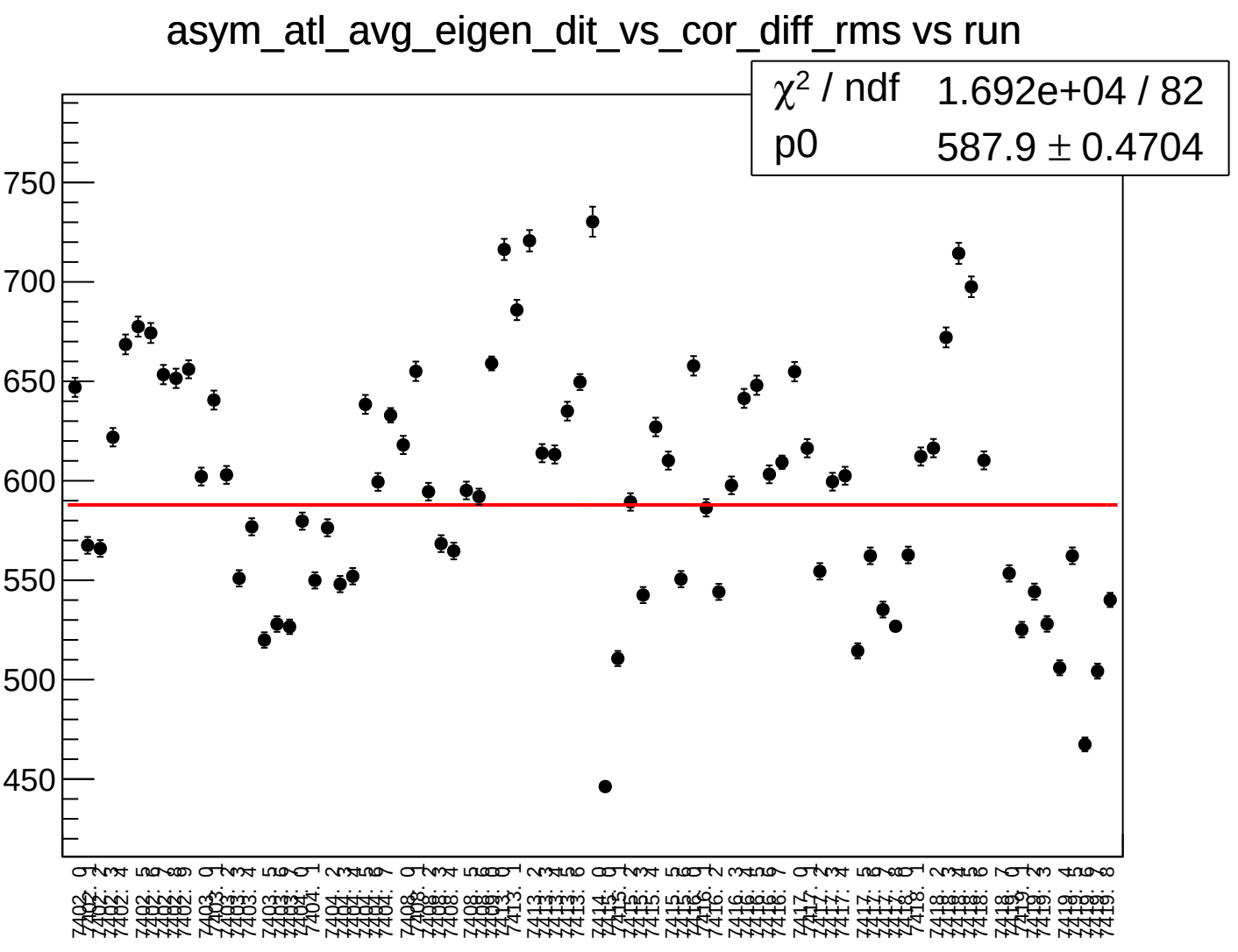

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.692e+04 / 82
p0 587.8 ± 0.4704
750
700
650
600
550
500
450

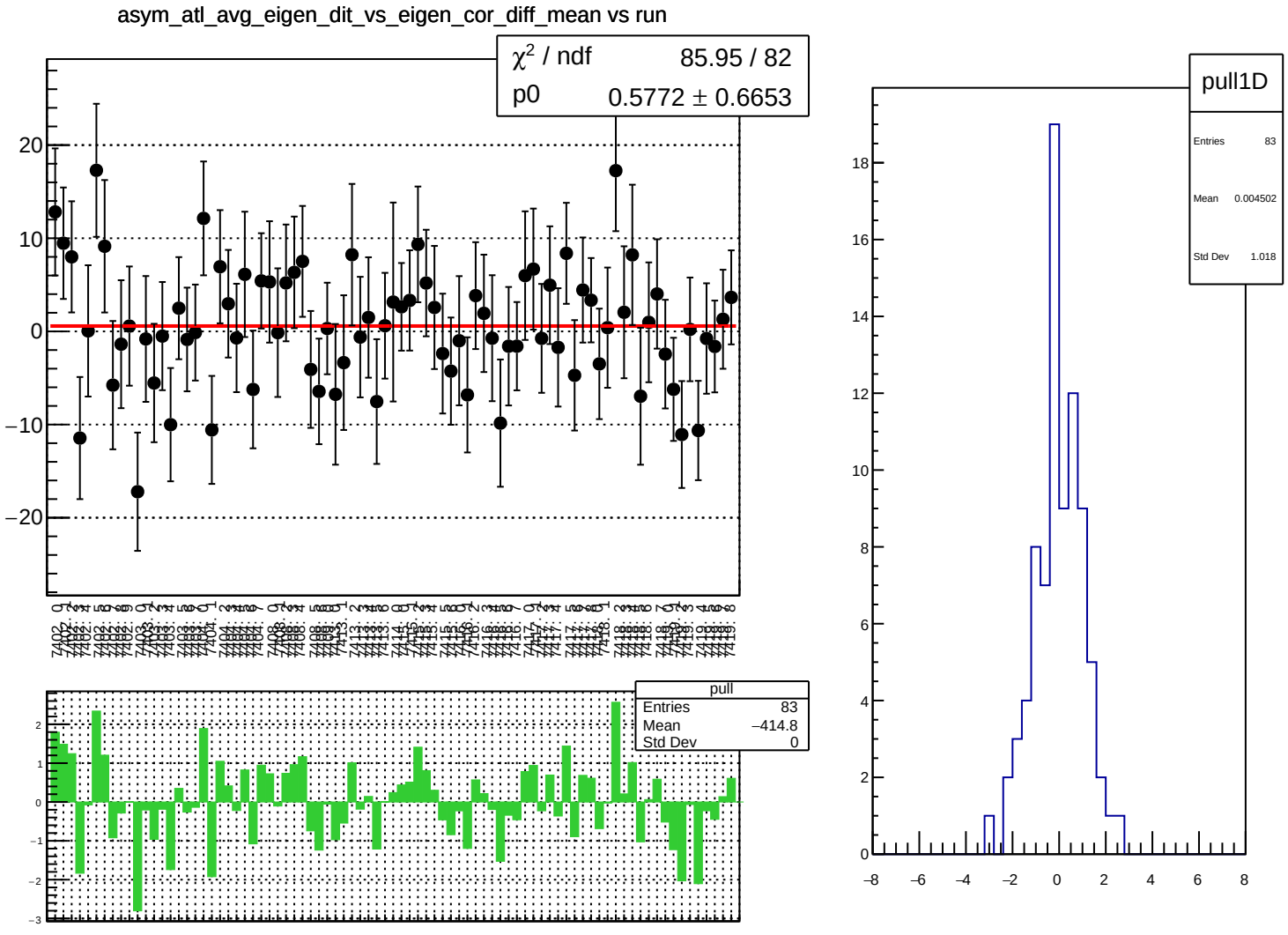

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.75 / 82
p0 −8.768e−07 ± 8.71e−06
pull
Entries 83
Mean 130.3
Std Dev 0

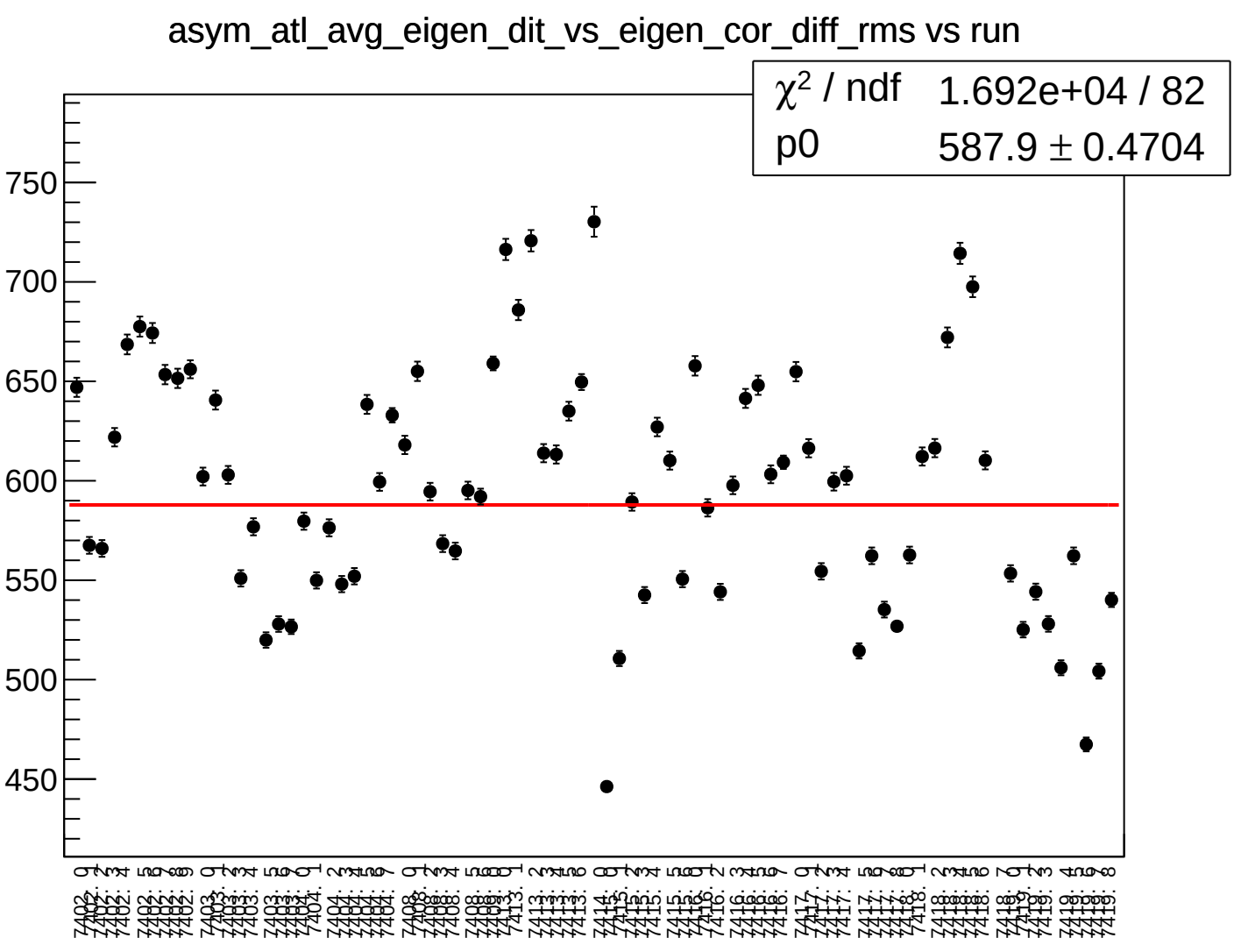

pull1D
Entries 83
Mean −0.0338
Std Dev 1.016

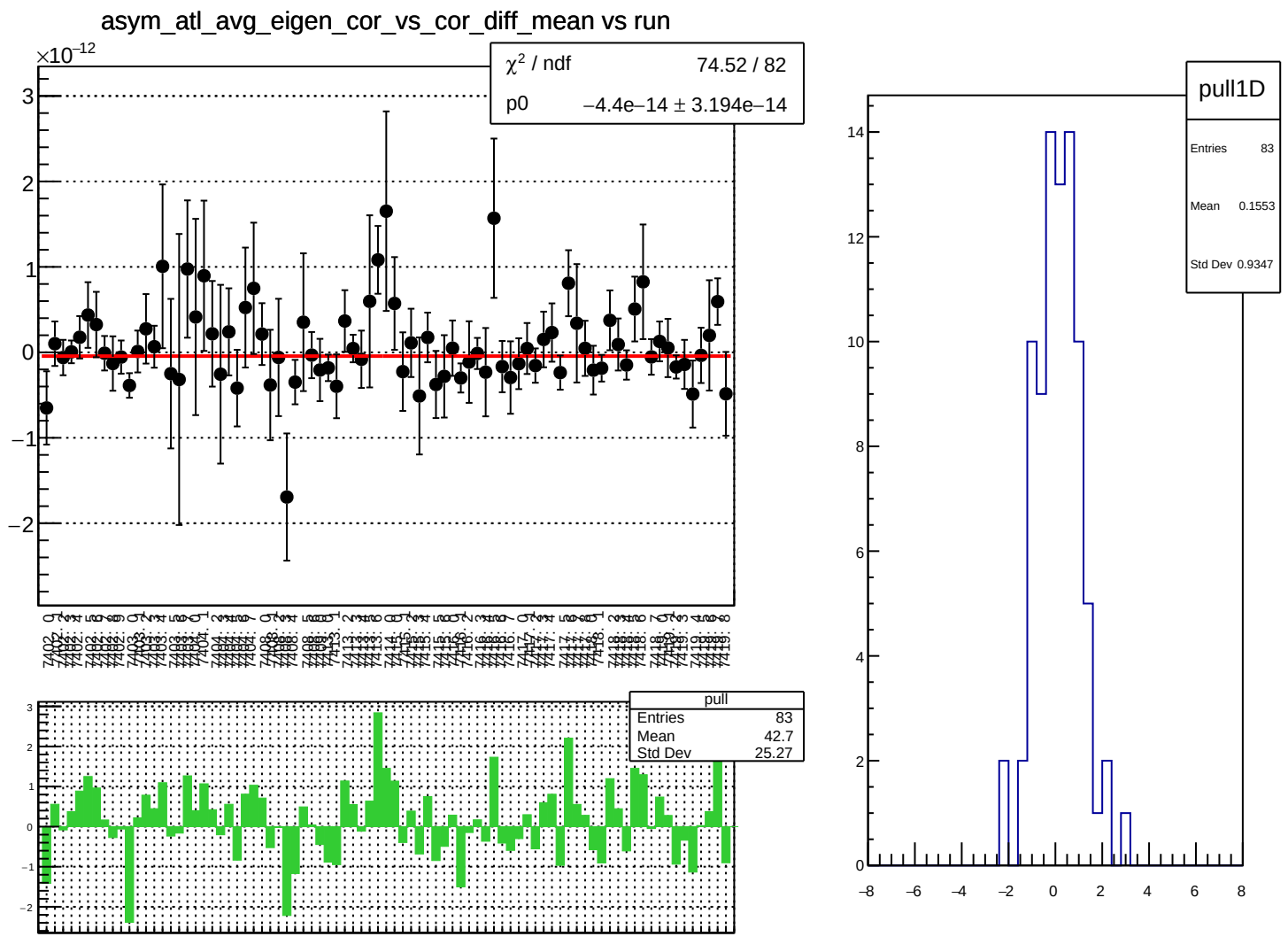

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.14e+05 / 82
p0 0.007453 ± 6.159e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

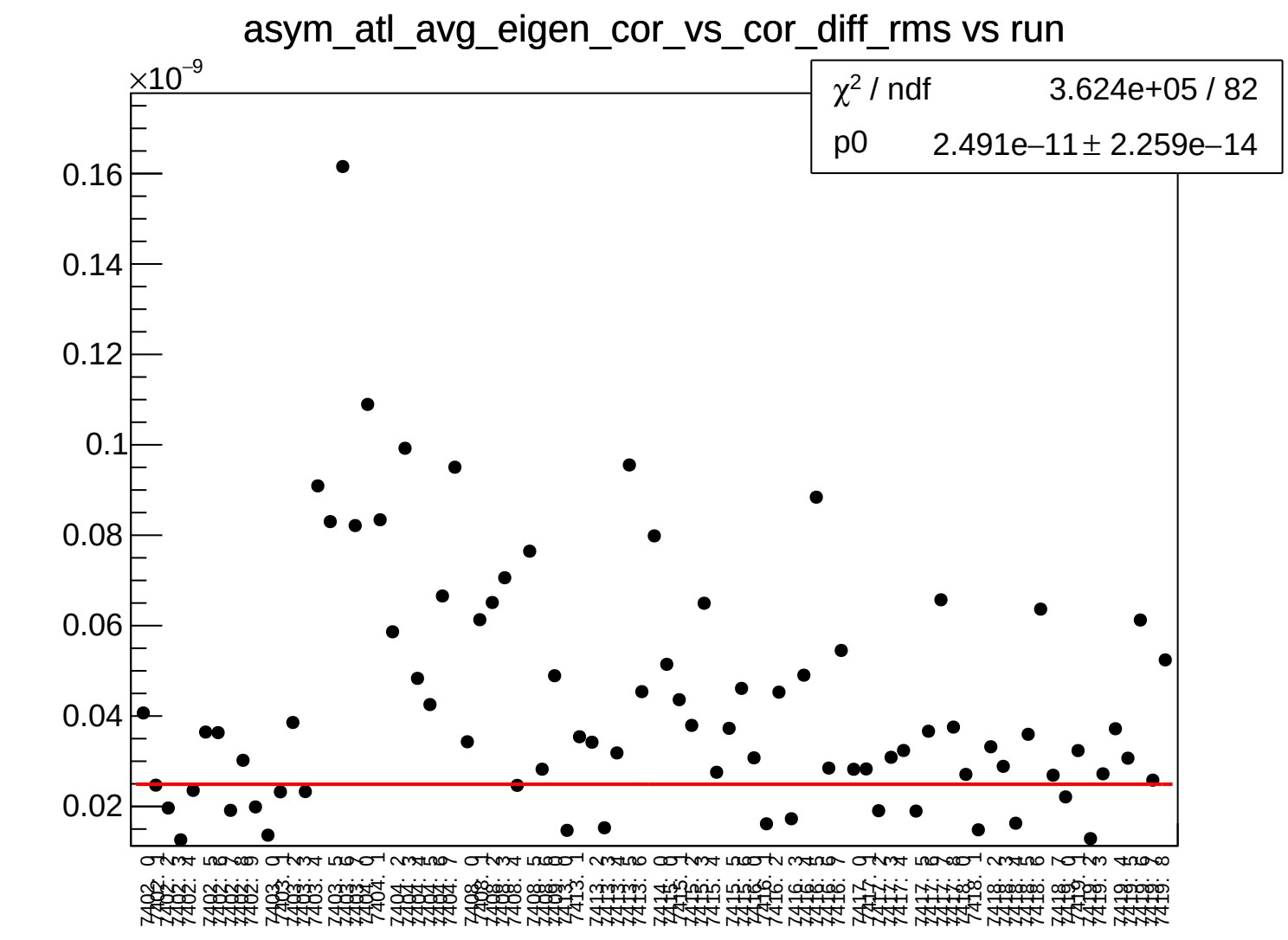

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.95 / 82
p0 0.5772 ± 0.6653
pull
Entries 83
Mean −414.8
Std Dev 0
pull1D
Entries 83
Mean 0.004502
Std Dev 1.018

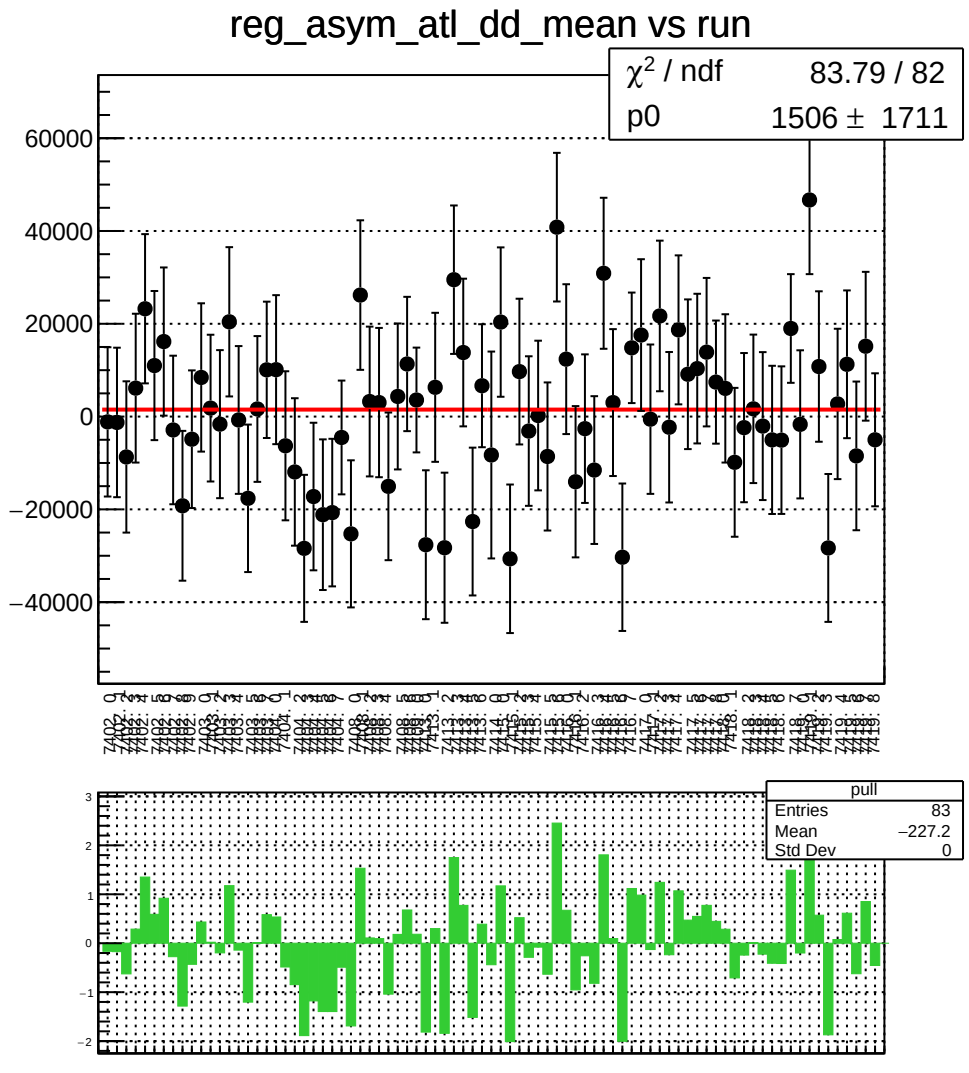

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.692e+04 / 82
p0 587.9 ± 0.4704
750
700
650
600
550
500
450

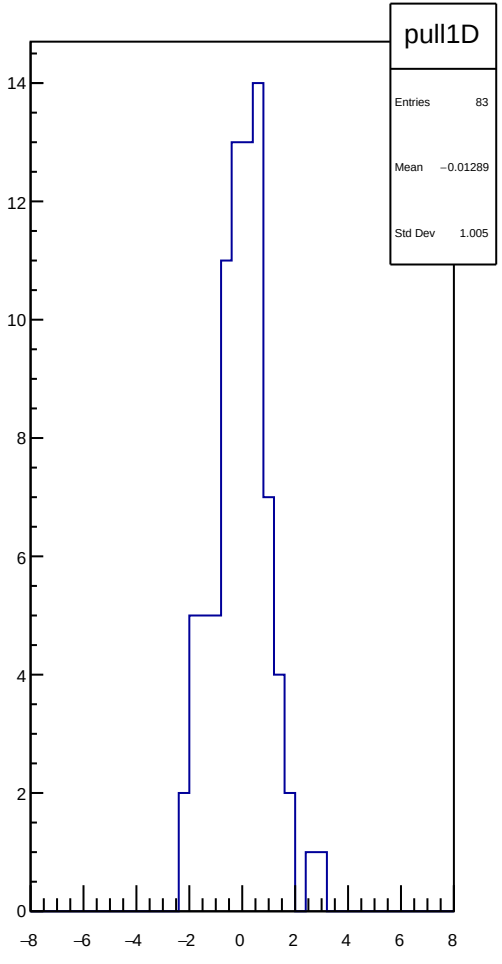

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.95 / 82
p0 0.5772 ± 0.6653
pull
Entries 83
Mean −414.8
Std Dev 0
pull1D
Entries 83
Mean 0.004502
Std Dev 1.018

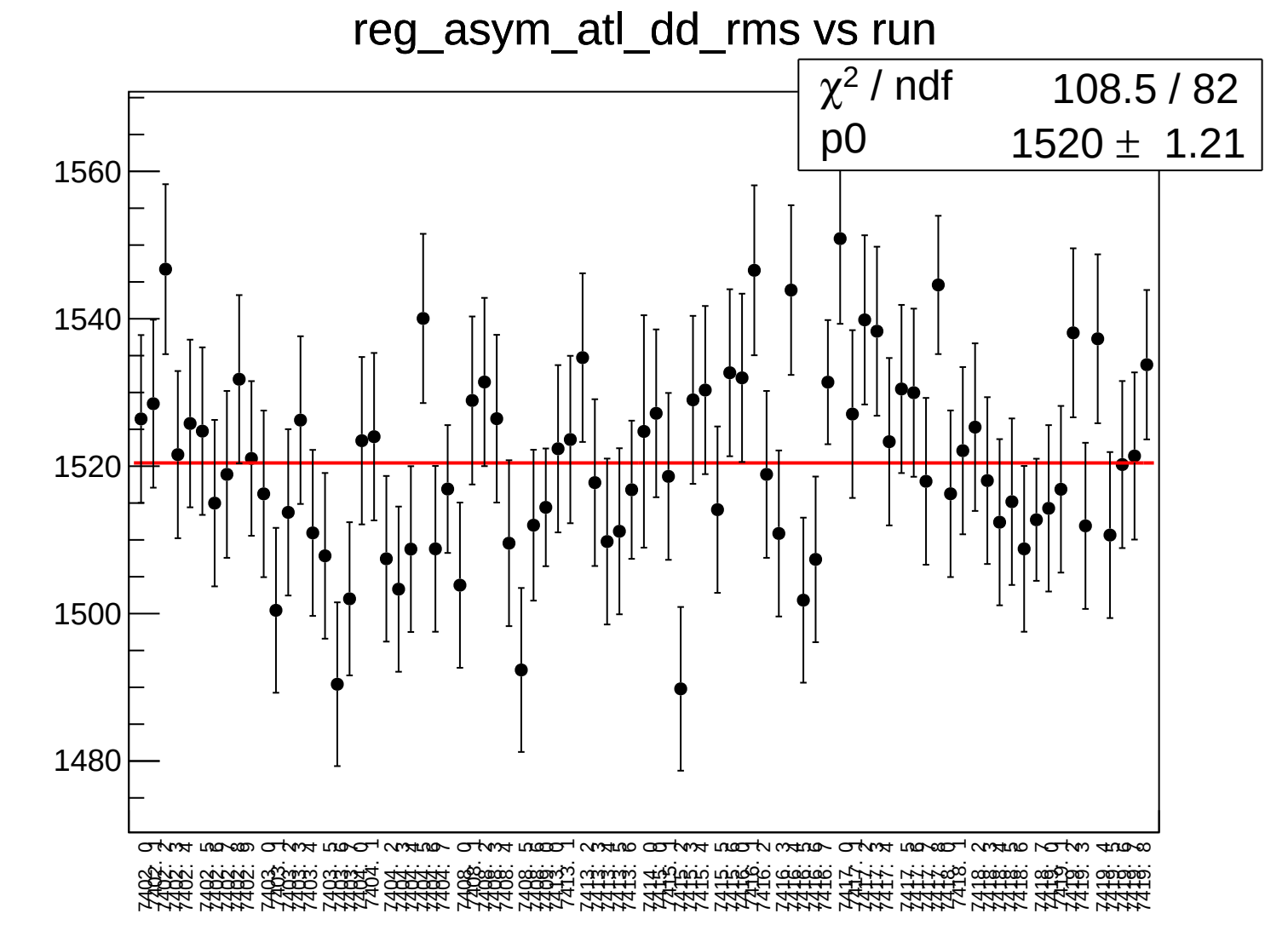

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.692e+04 / 82
p0 587.9 ± 0.4704
750
700
650
600
550
500
450

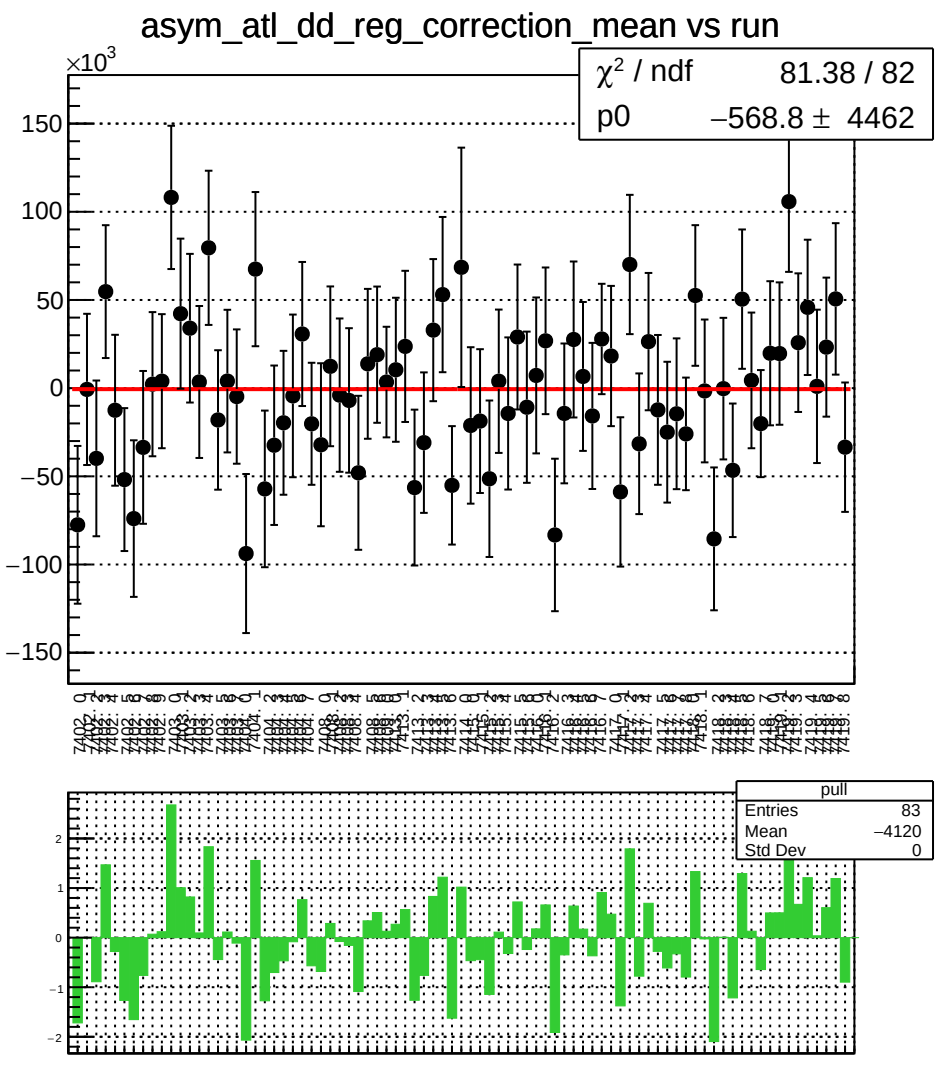

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.52 / 82
p0 −4.4e−14 ± 3.194e−14
pull
Entries 83
Mean 42.7
Std Dev 25.27
pull1D
Entries 83
Mean 0.1553
Std Dev 0.9347

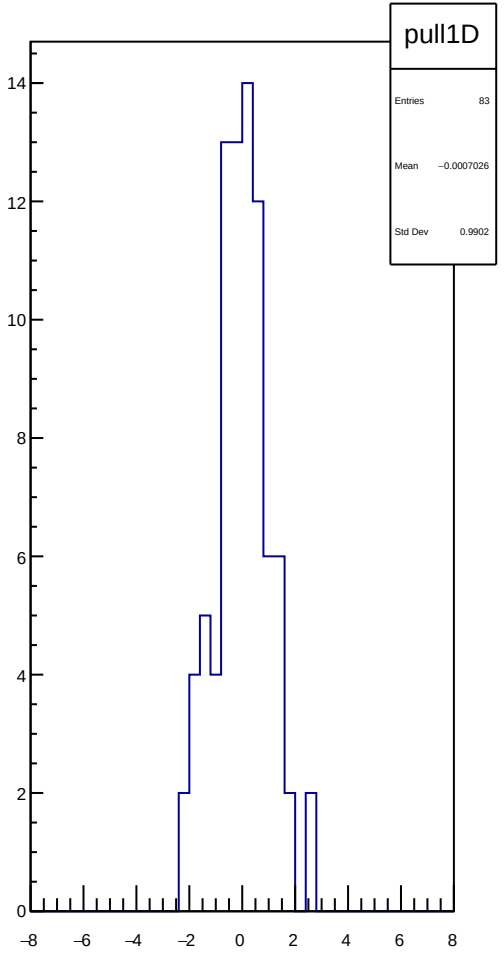

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.624e+05 / 82
p0 2.491e−11 ± 2.259e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

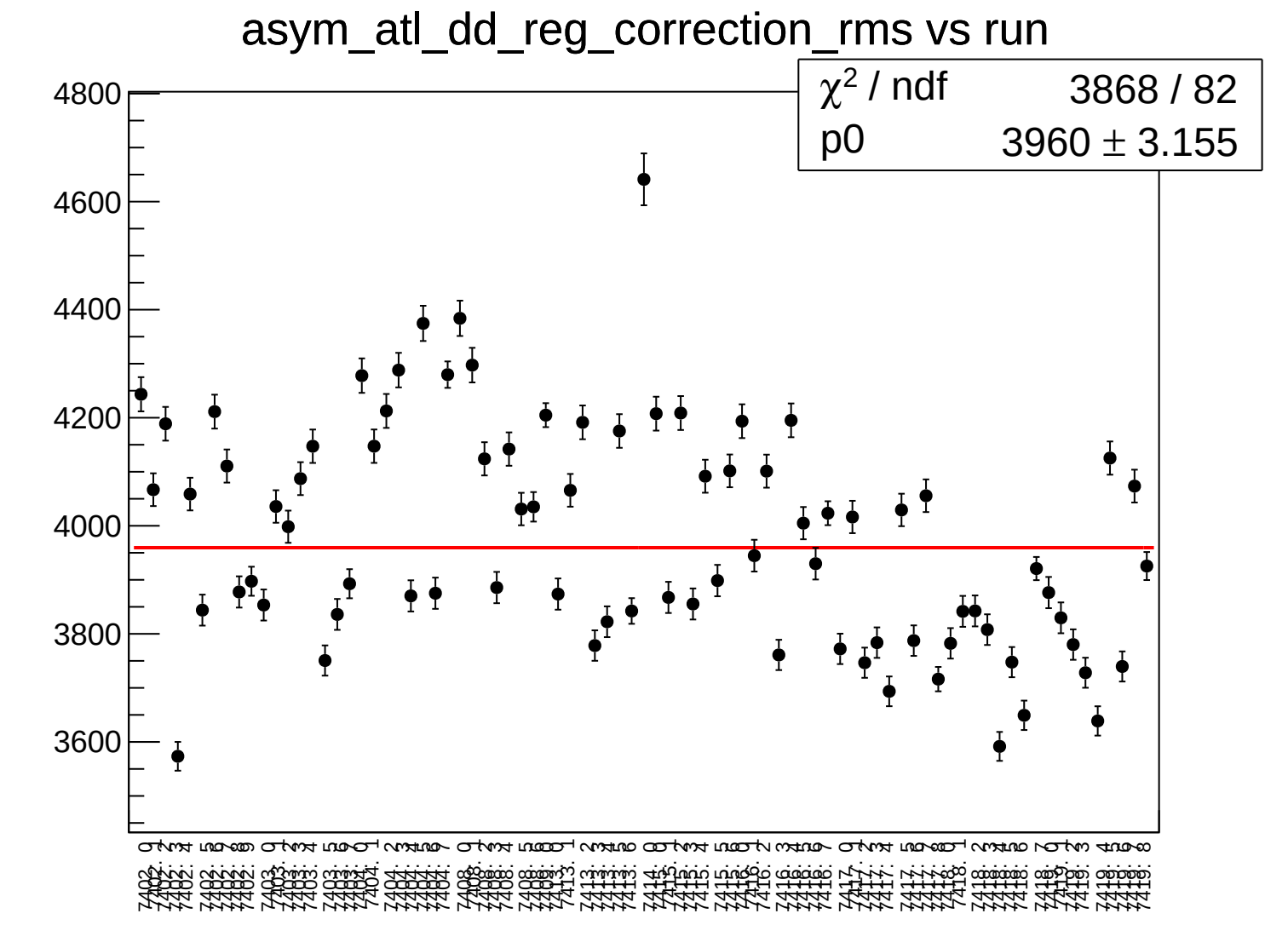

reg_asym_atl_dd_mean vs run
χ² / ndf 83.79 / 82
p0 1506 ± 1711
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −227.2
Std Dev 0
3
2
1
0
−1
−2

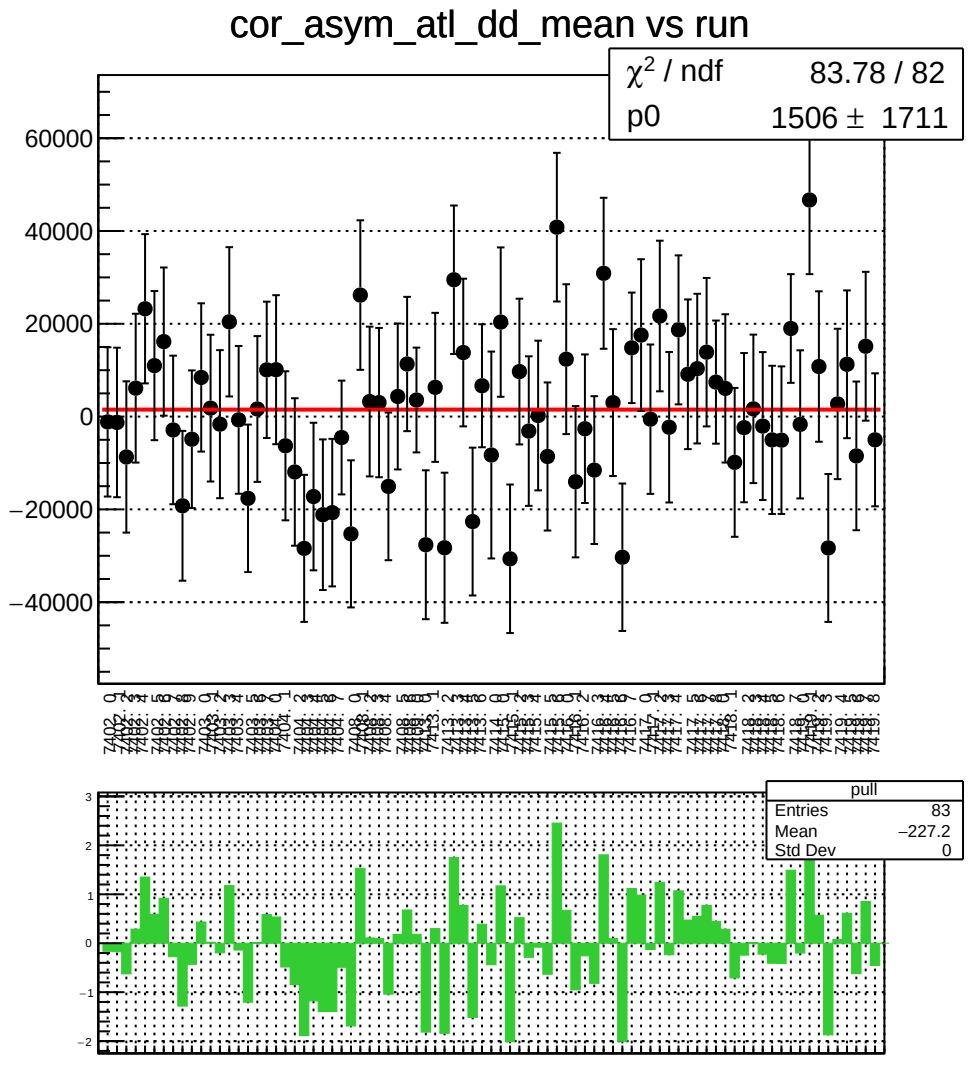

pull1D
Entries 83
Mean −0.01289
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

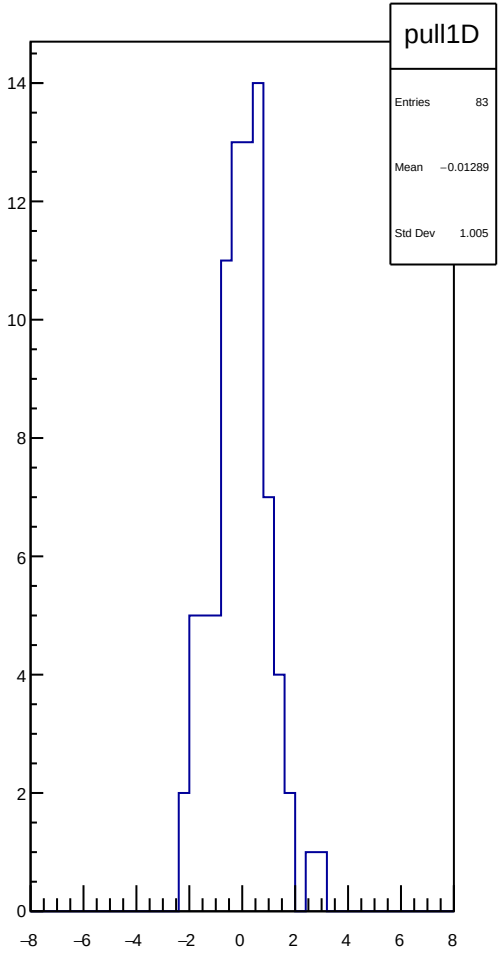

reg_asym_atl_dd_rms vs run
χ² / ndf 108.5 / 82
p0 1520 ± 1.21
1560
1540
1520
1500
1480

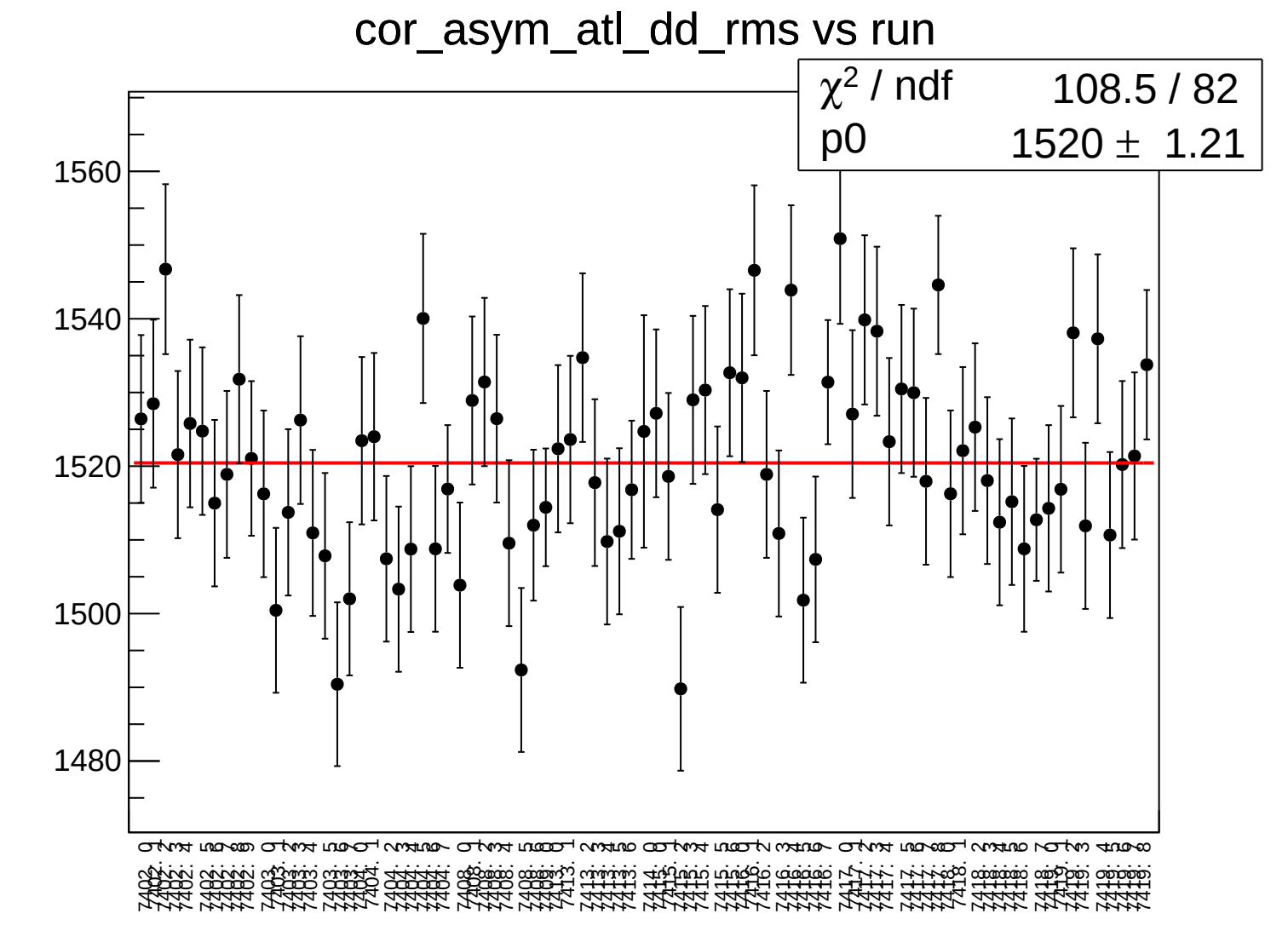

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.38 / 82
p0 −568.8 ± 4462
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −4120
Std Dev 0
2
1
0
−1
−2

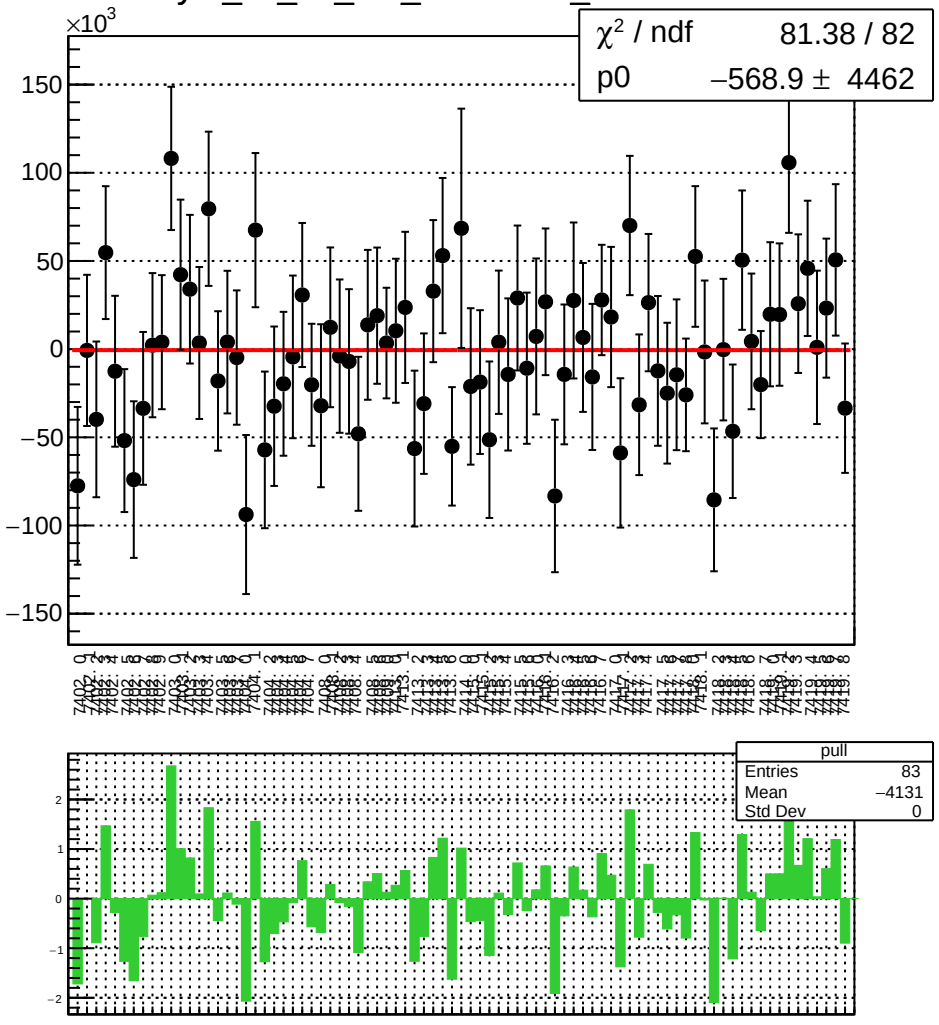

pull1D
Entries 83
Mean −0.0007026
Std Dev 0.9902
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

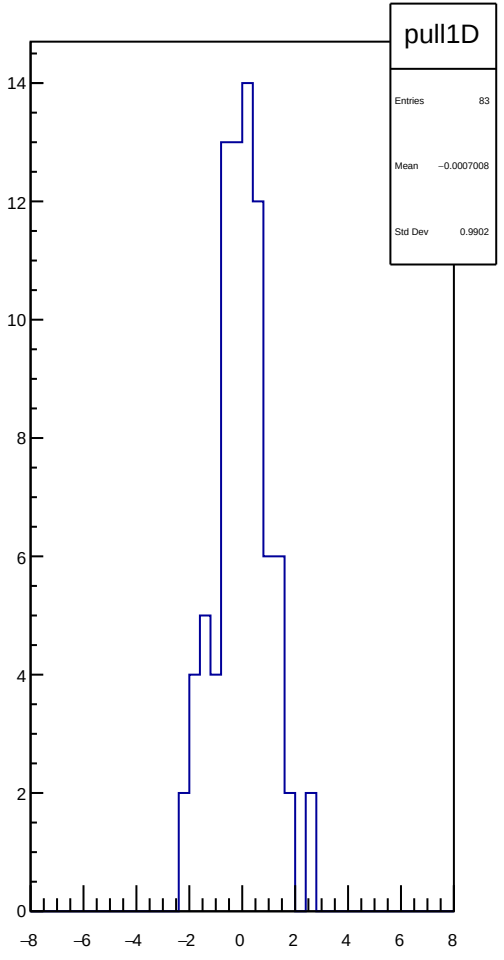

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 3868 / 82
p0 3960 ± 3.155
4800
4600
4400
4200
4000
3800
3600

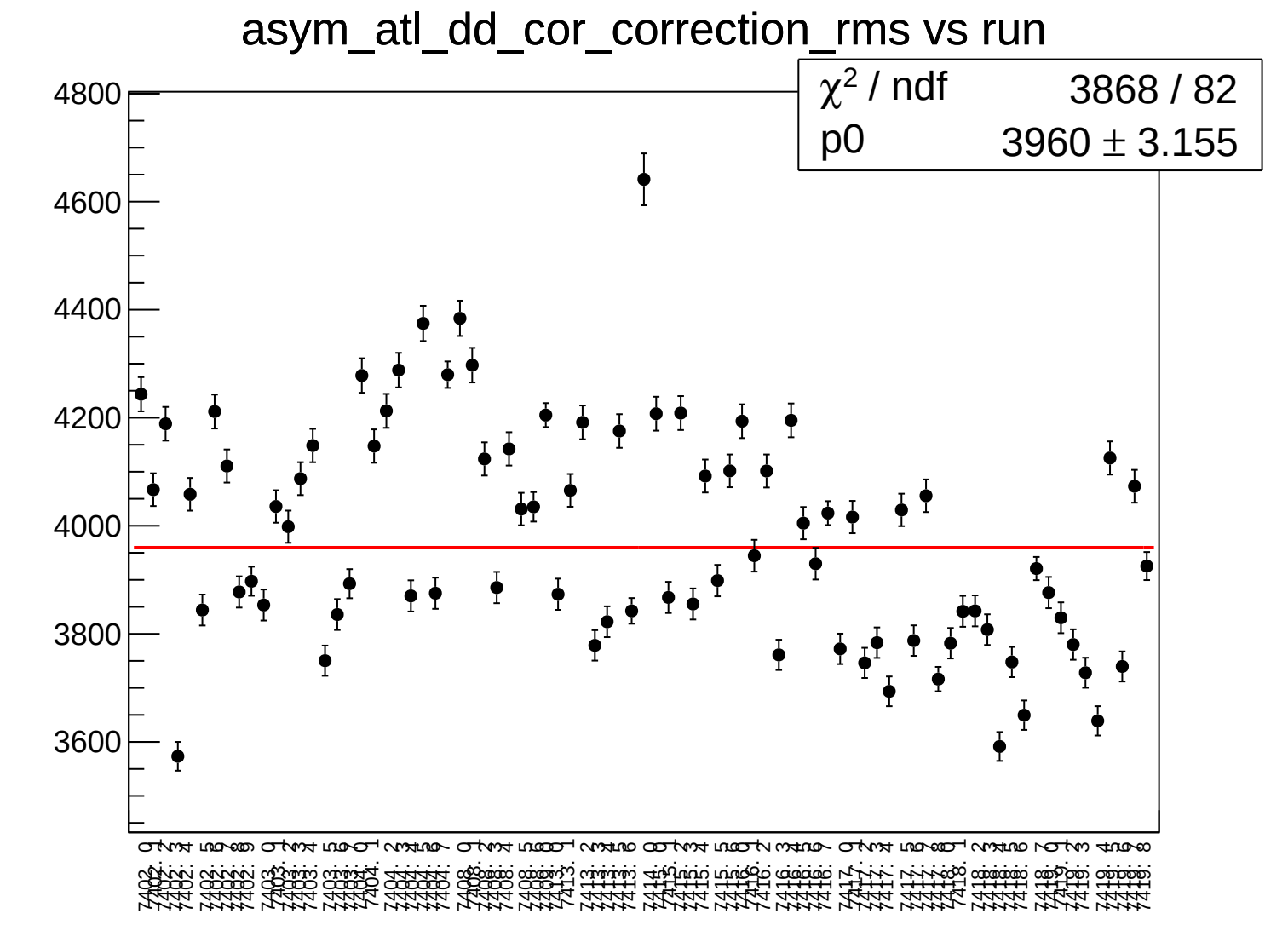

cor_asym_atl_dd_mean vs run
χ² / ndf 83.78 / 82
p0 1506 ± 1711
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −227.2
Std Dev 0
3
2
1
0
−1
−2

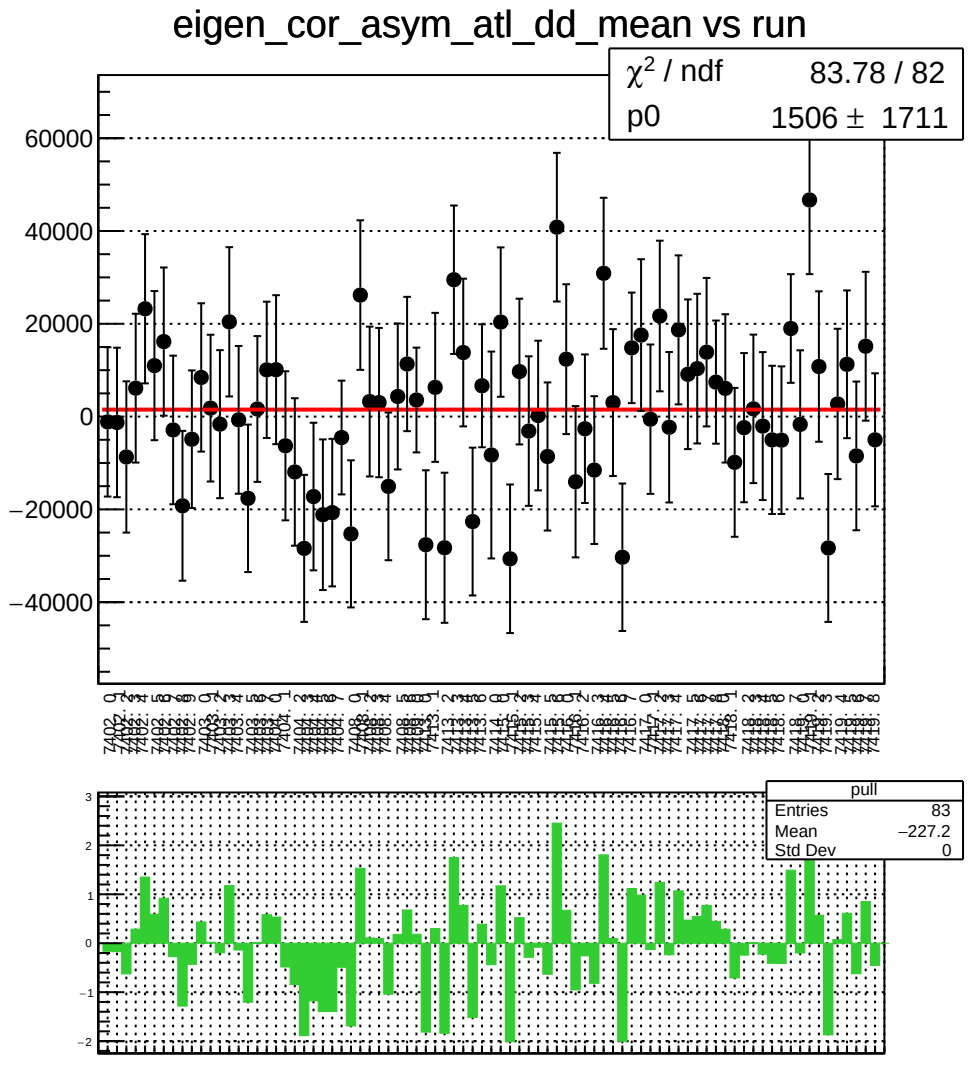

pull1D
Entries 83
Mean −0.01289
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

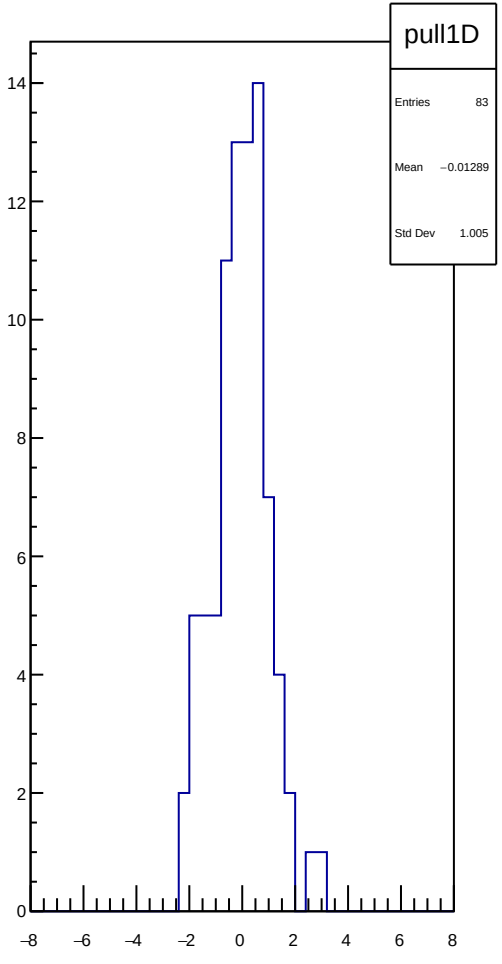

cor_asym_atl_dd_rms vs run
χ² / ndf 108.5 / 82
p0 1520 ± 1.21
1560
1540
1520
1500
1480

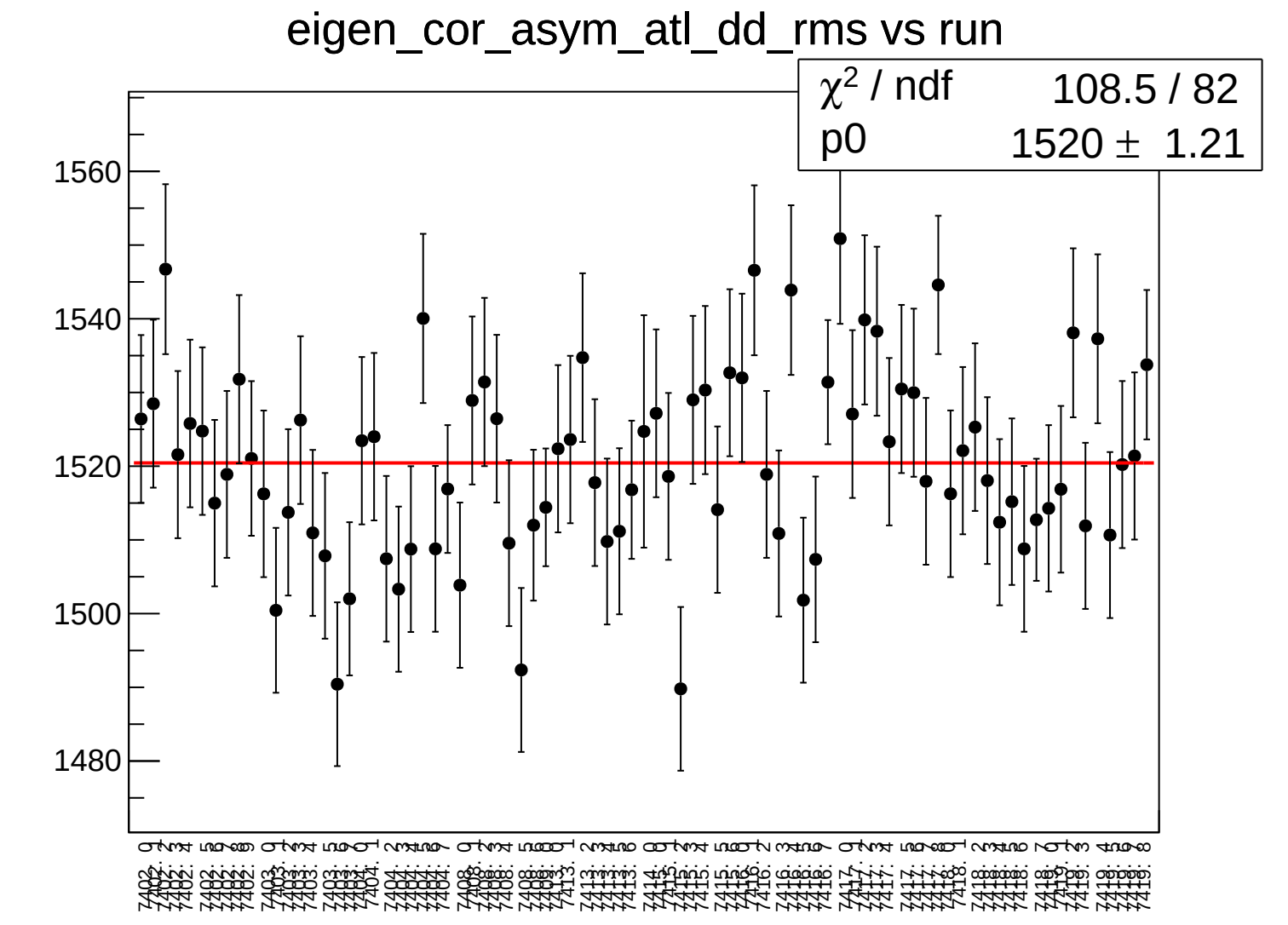

asym_atl_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.38 / 82
p0 −568.9 ± 4462
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −4131
Std Dev 0
2
1
0
−1
−2

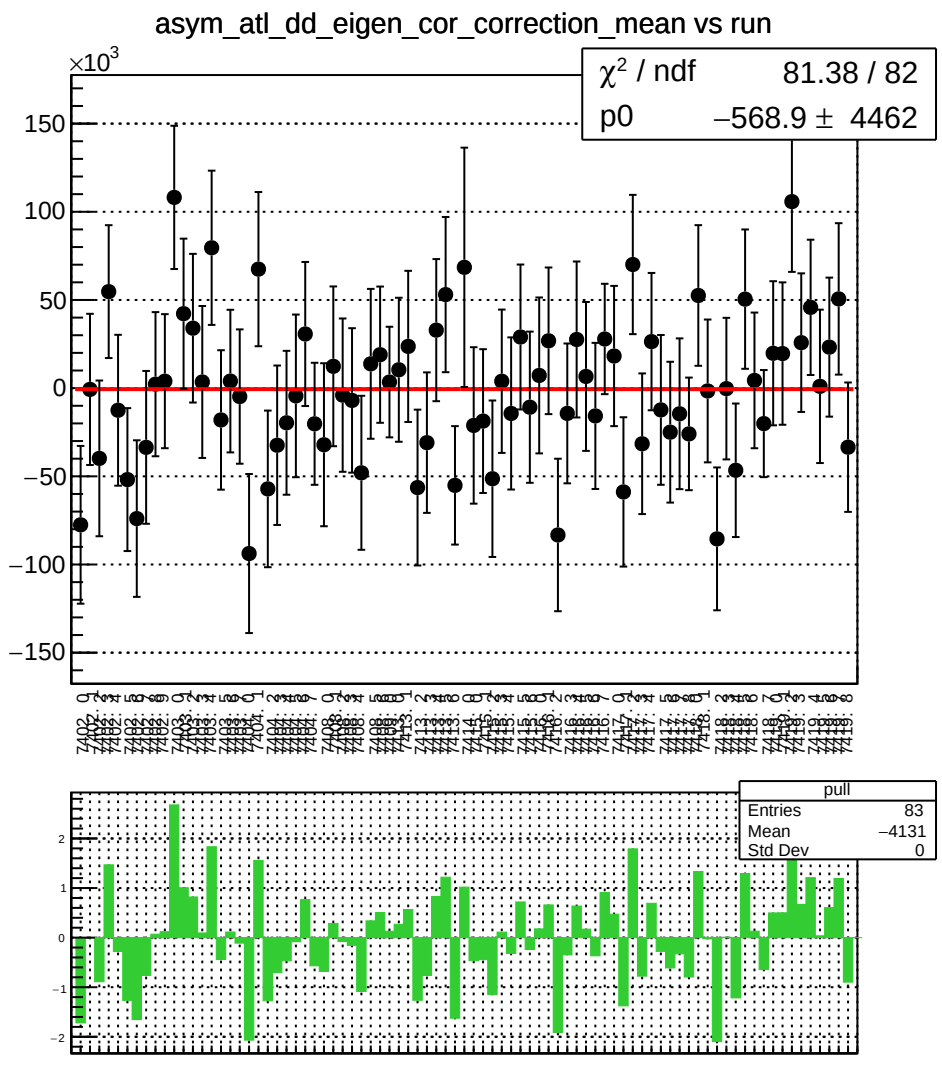

pull1D
Entries 83
Mean −0.0007008
Std Dev 0.9902
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

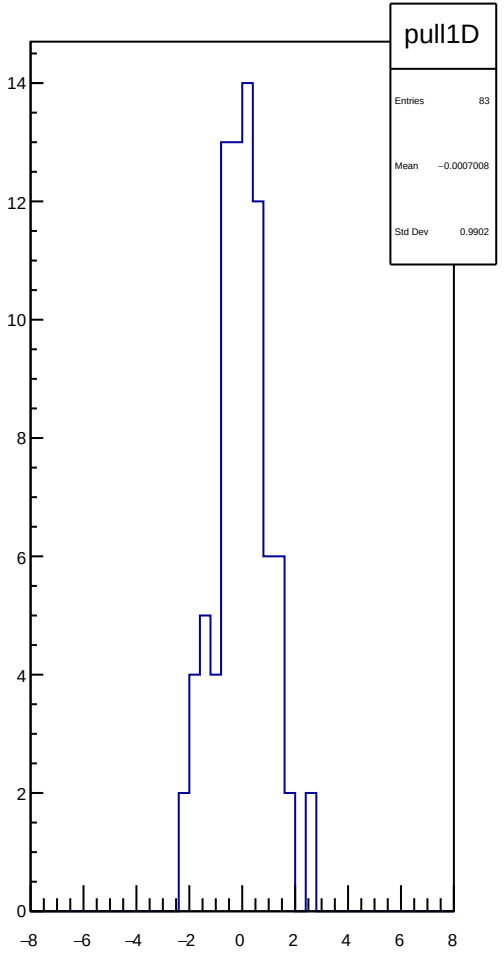

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 3868 / 82
p0 3960 ± 3.155
4800
4600
4400
4200
4000
3800
3600

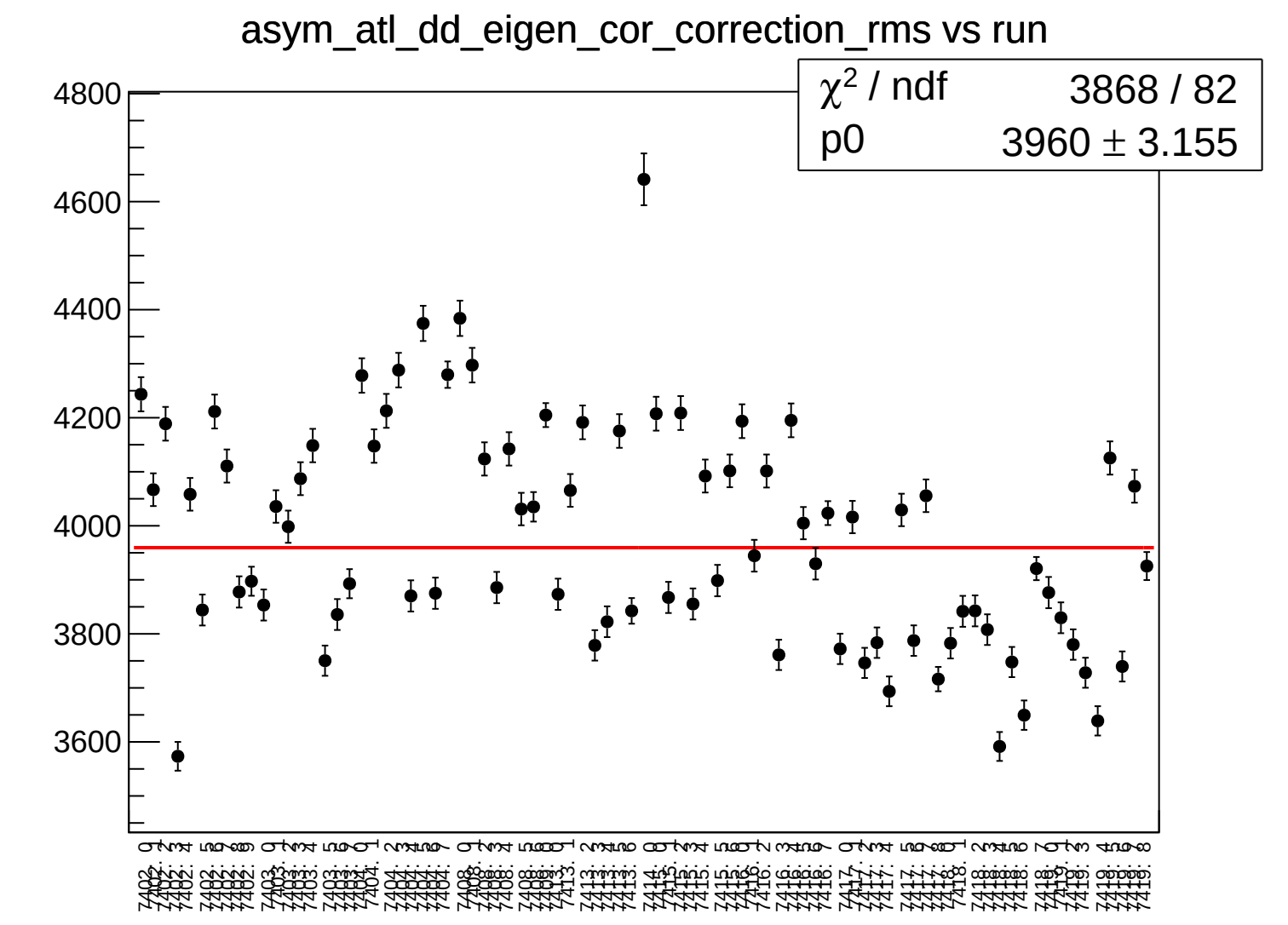

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 83.78 / 82
p0 1506 ± 1711
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −227.2
Std Dev 0
3
2
1
0
−1
−2

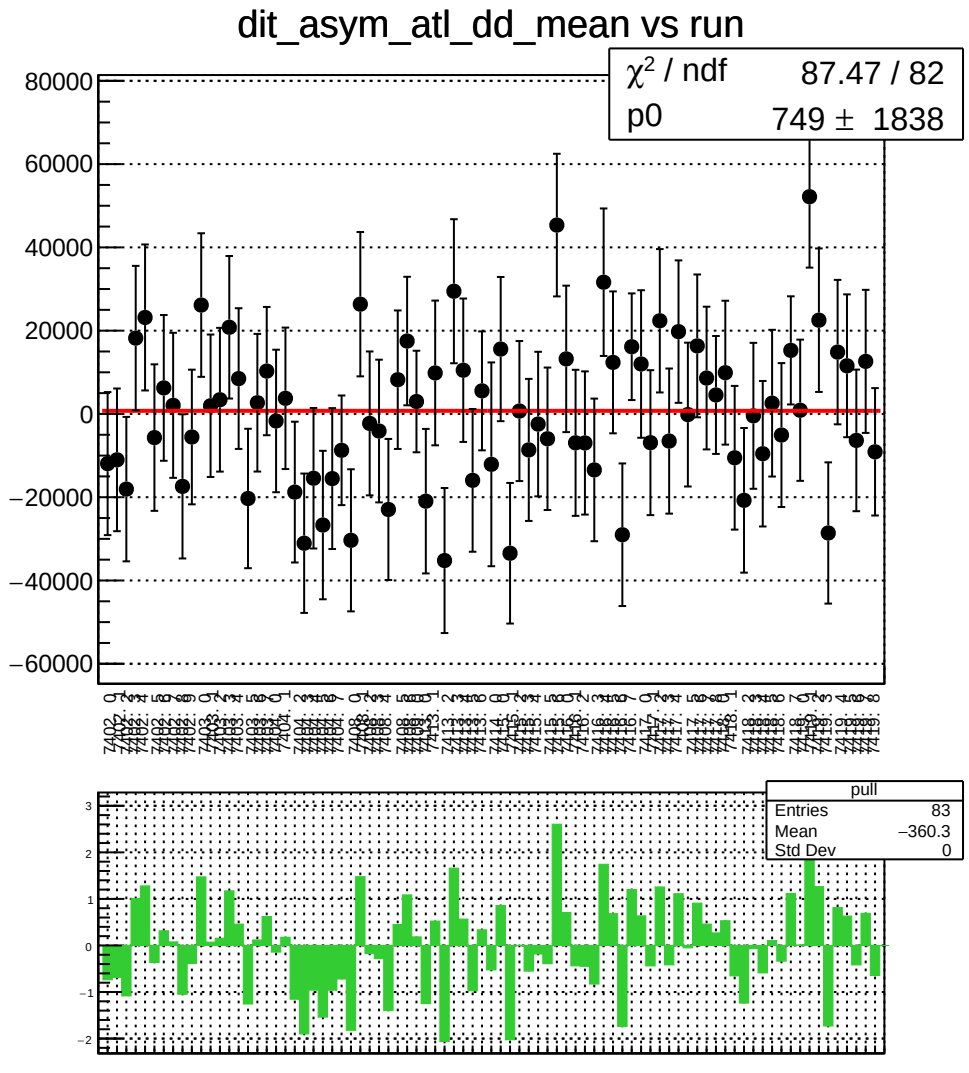

pull1D
Entries 83
Mean −0.01289
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

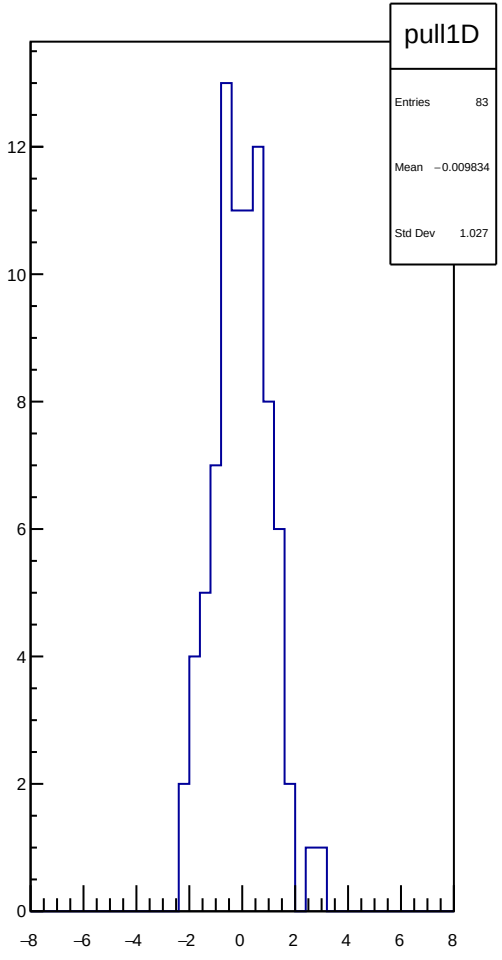

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 108.5 / 82
p0 1520 ± 1.21
1560
1540
1520
1500
1480

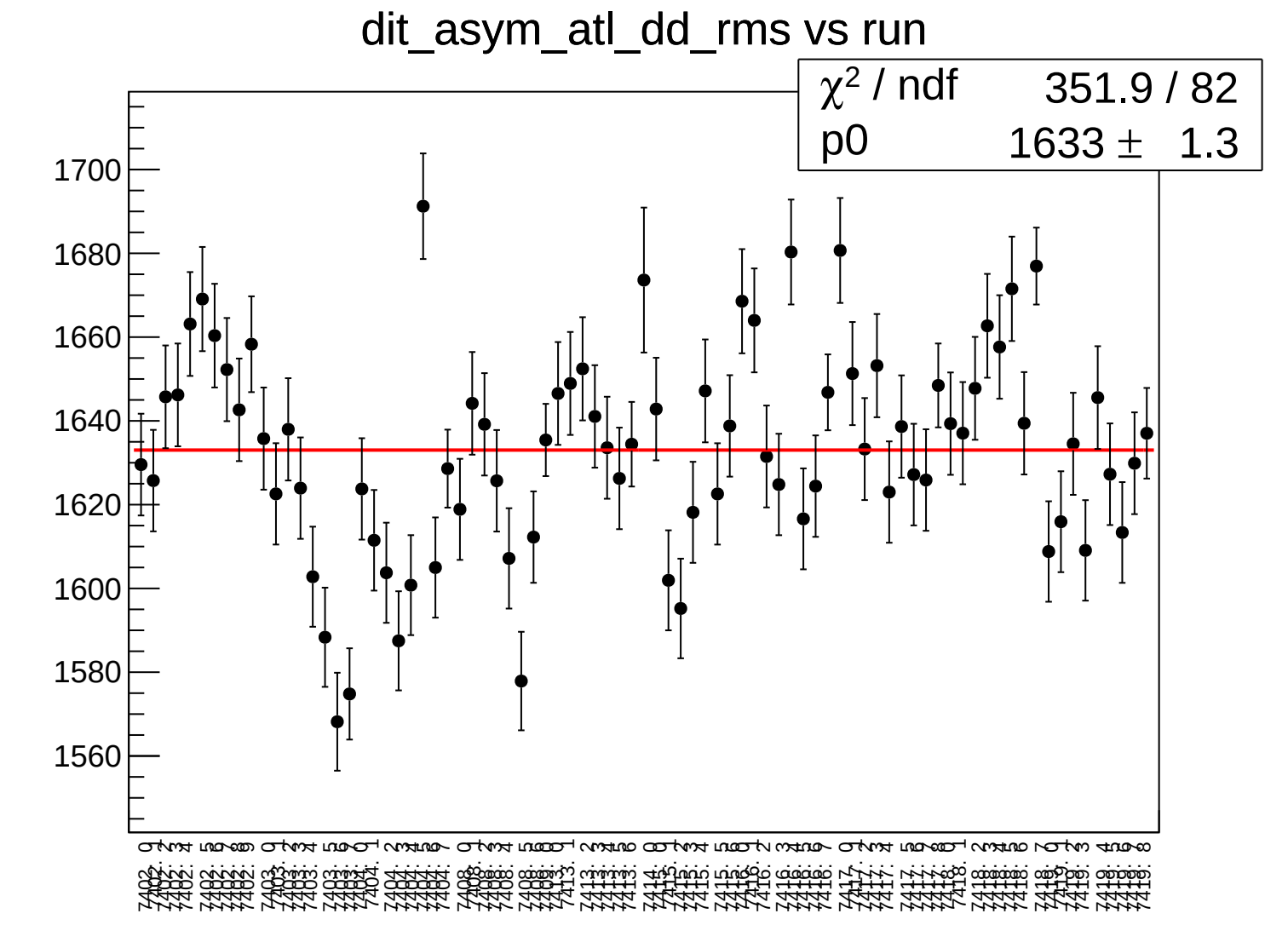

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.38 / 82
p0 −568.9 ± 4462
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −4131
Std Dev 0
2
1
0
−1
−2

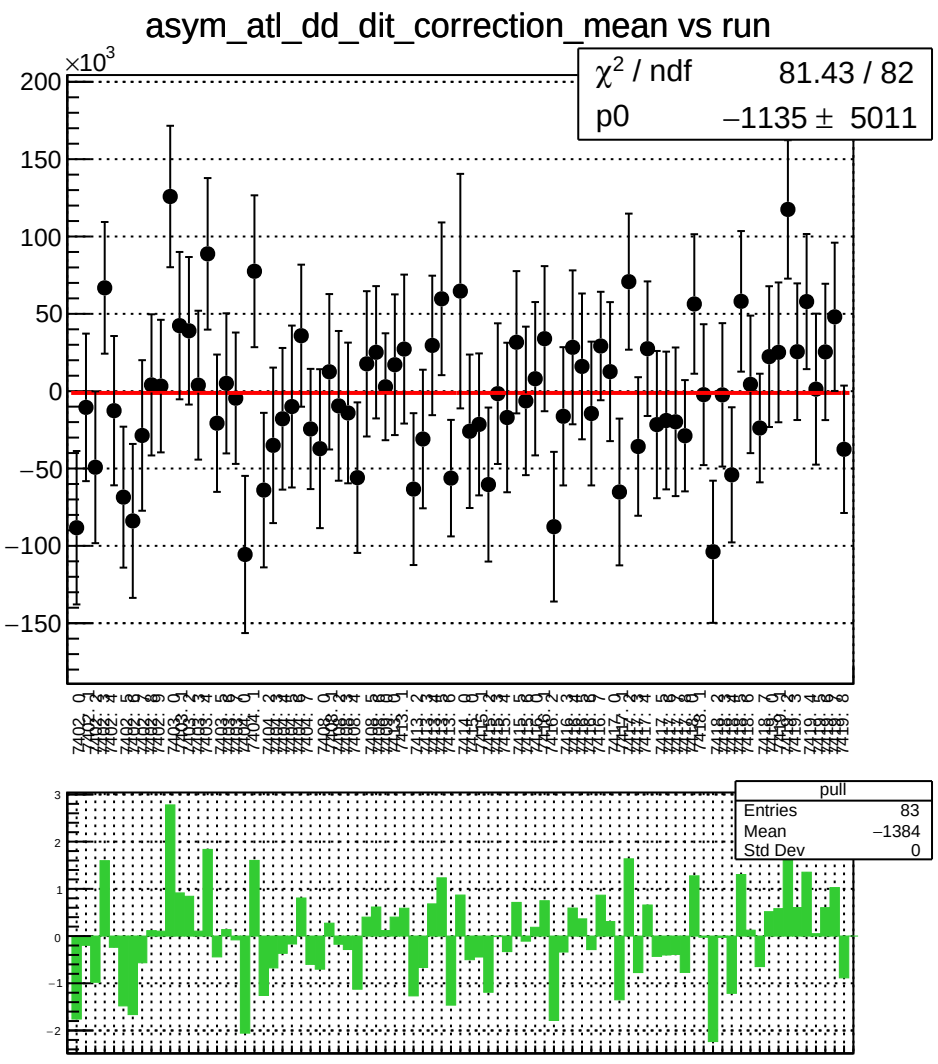

pull1D
Entries 83
Mean −0.0007008
Std Dev 0.9902
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

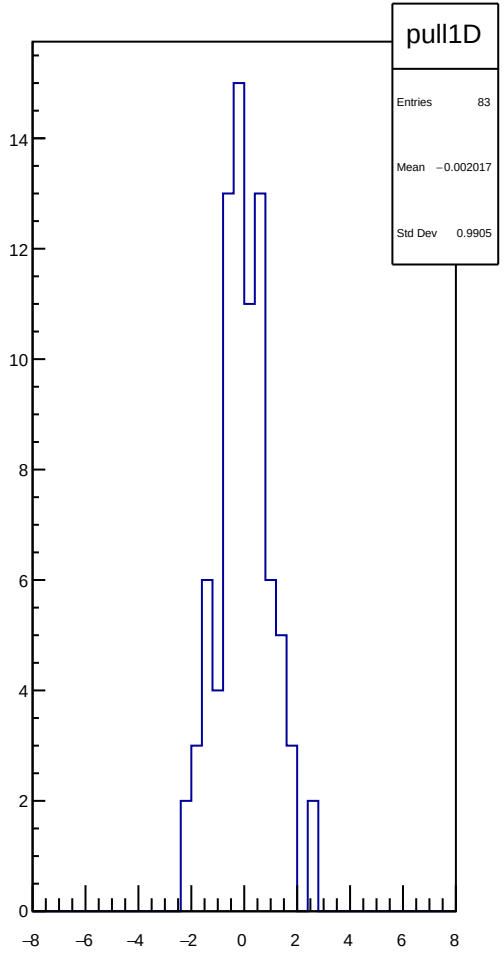

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 3868 / 82
p0 3960 ± 3.155
4800
4600
4400
4200
4000
3800
3600

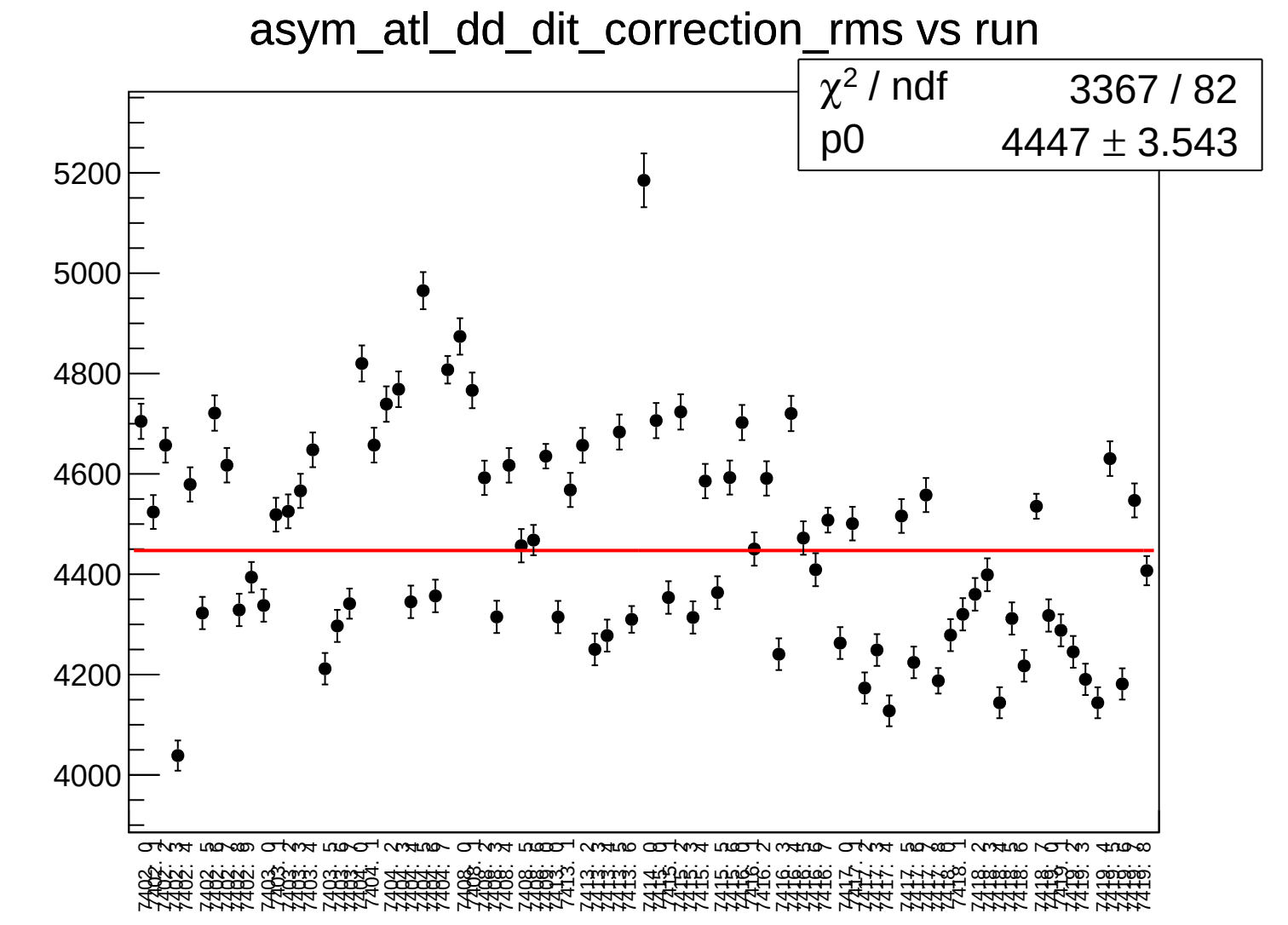

dit_asym_atl_dd_mean vs run
χ² / ndf 87.47 / 82
p0 749 ± 1838
pull
Entries 83
Mean −360.3
Std Dev 0

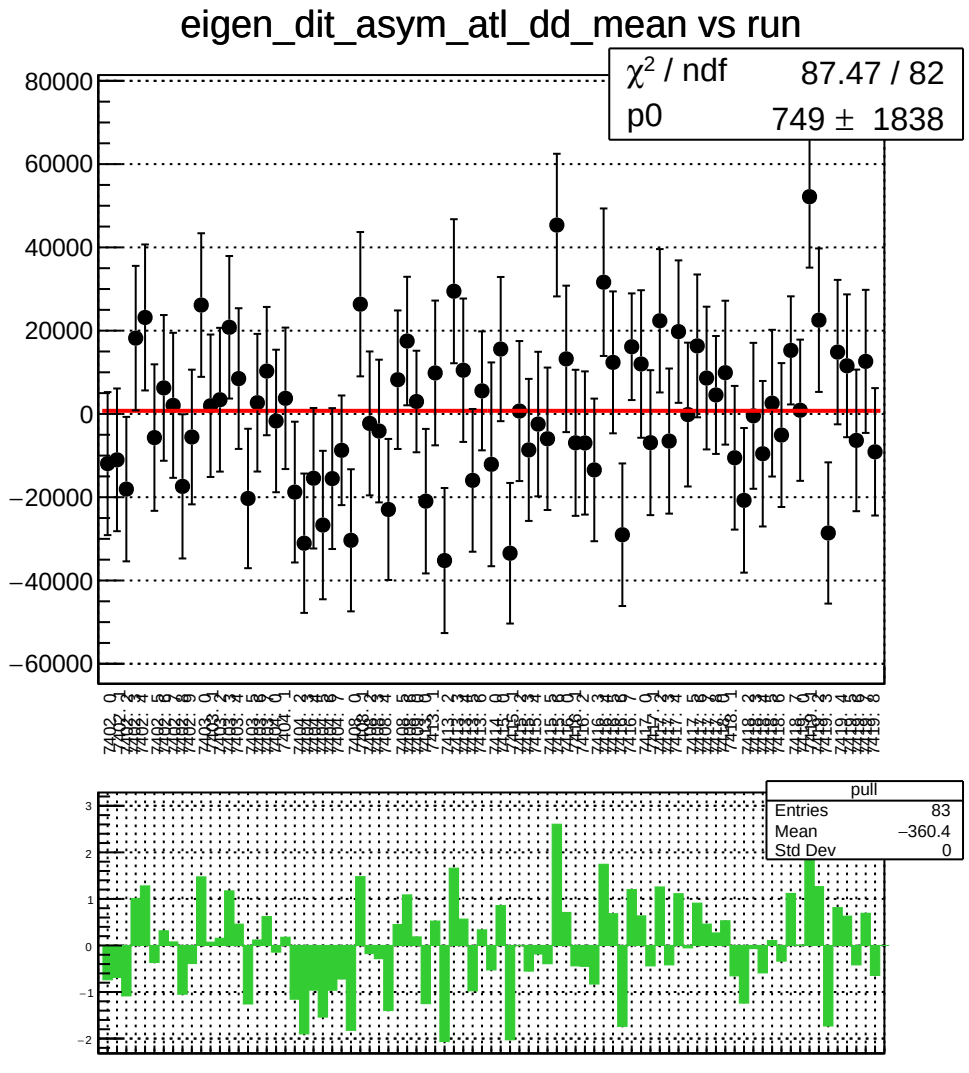

pull1D
Entries 83
Mean −0.009834
Std Dev 1.027

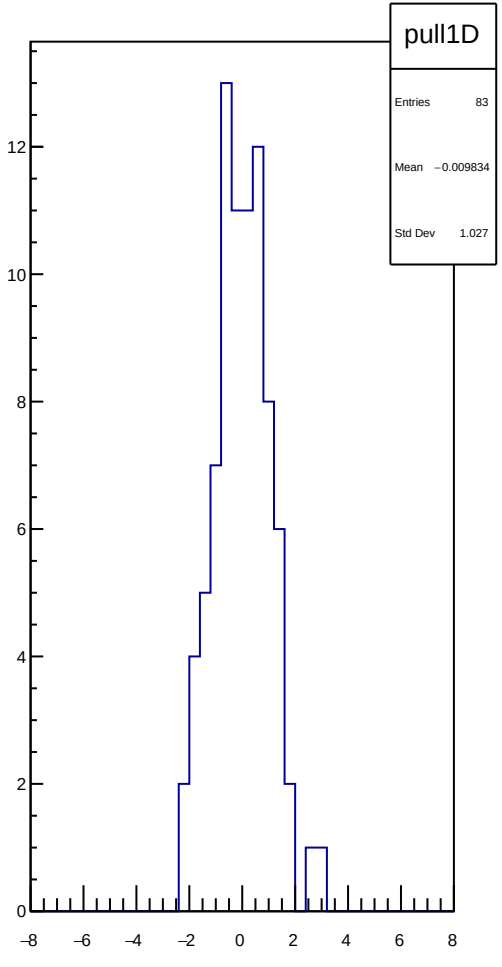

dit_asym_atl_dd_rms vs run
χ² / ndf 351.9 / 82
p0 1633 ± 1.3
1700
1680
1660
1640
1620
1600
1580
1560

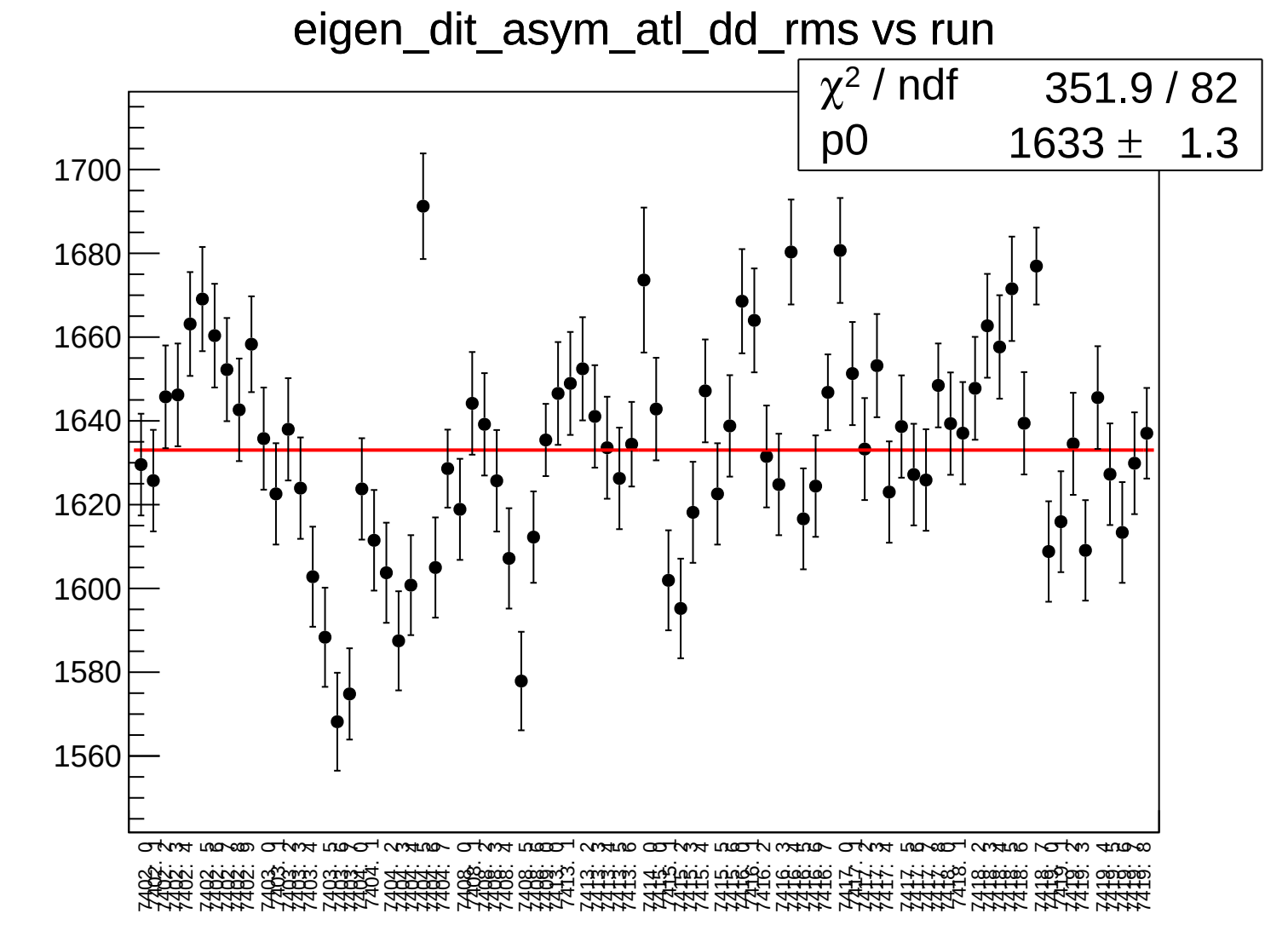

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.43 / 82
p0 −1135 ± 5011
200
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1384
Std Dev 0
3
2
1
0
−1
−2

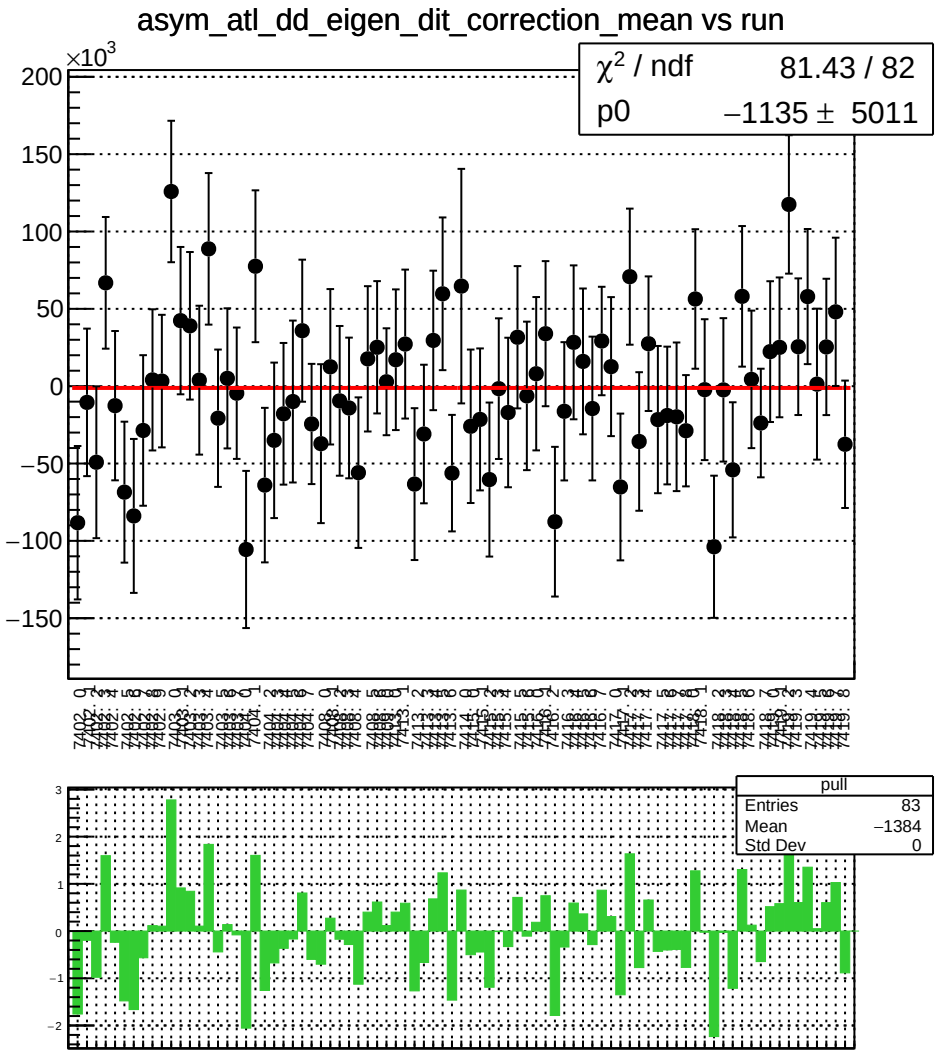

pull1D
Entries 83
Mean −0.002017
Std Dev 0.9905
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

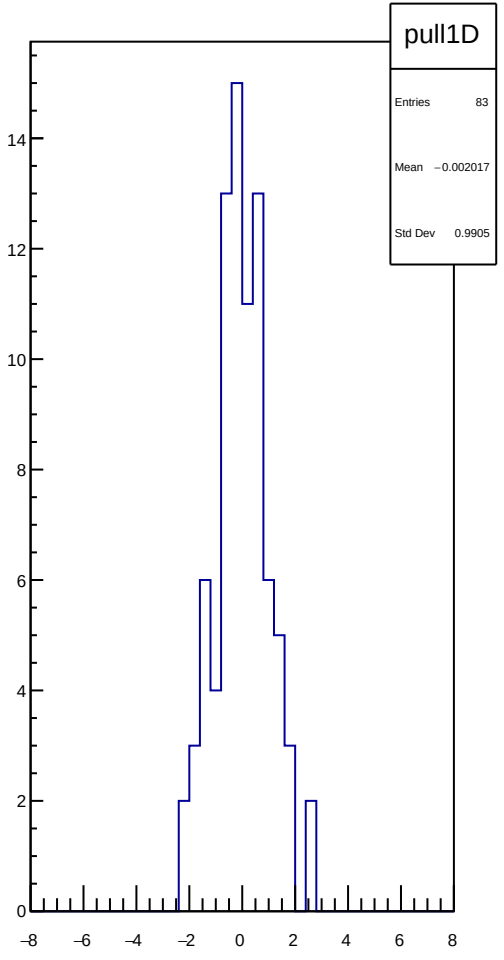

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 3367 / 82
p0 4447 ± 3.543
5200
5000
4800
4600
4400
4200
4000

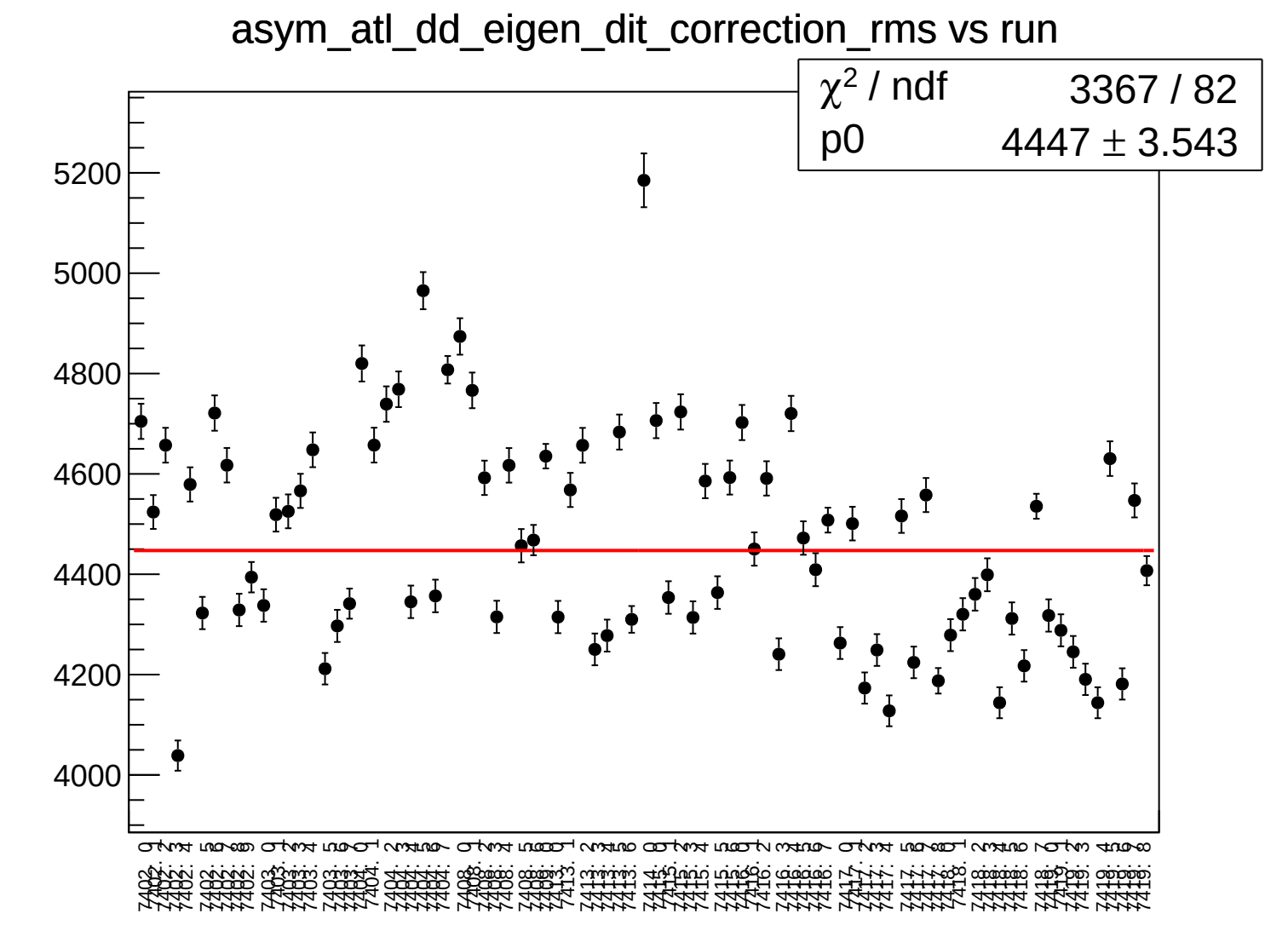

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 87.47 / 82
p0 749 ± 1838
pull
Entries 83
Mean −360.4
Std Dev 0

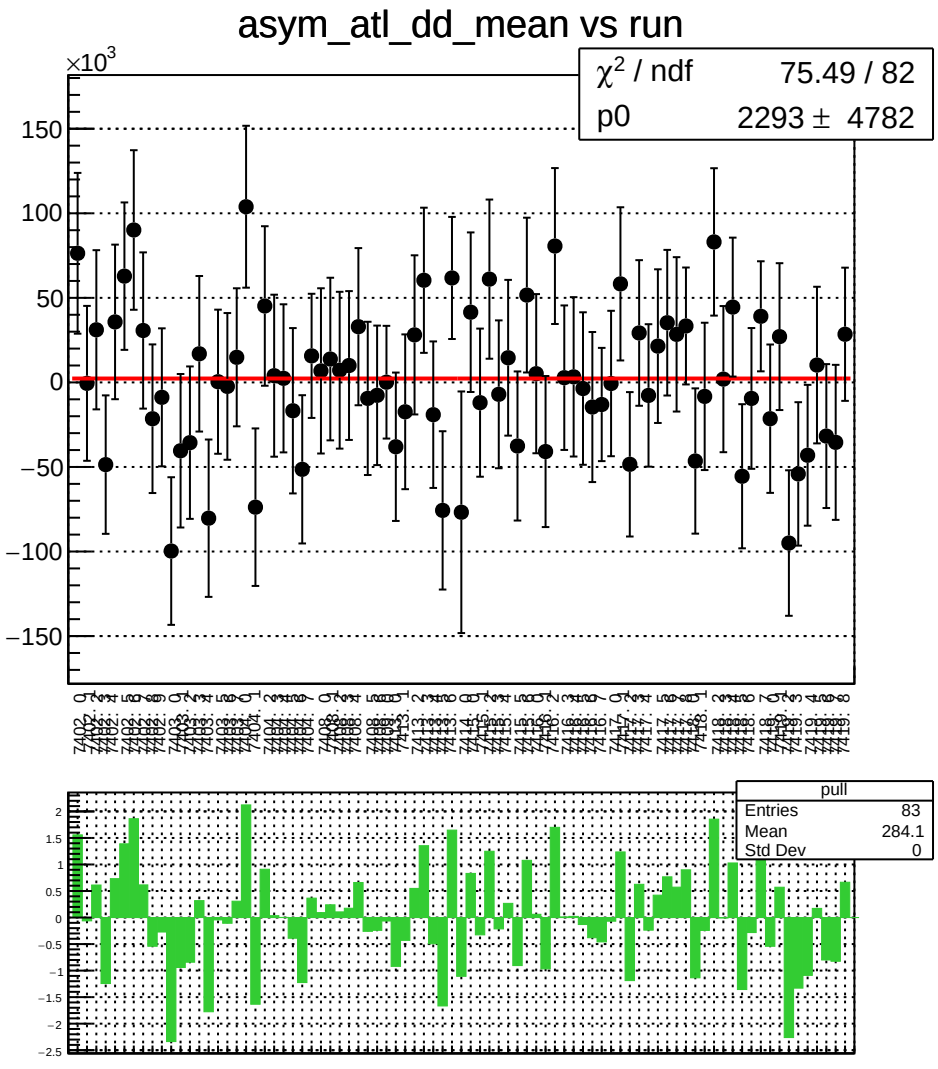

pull1D
Entries 83
Mean −0.009834
Std Dev 1.027

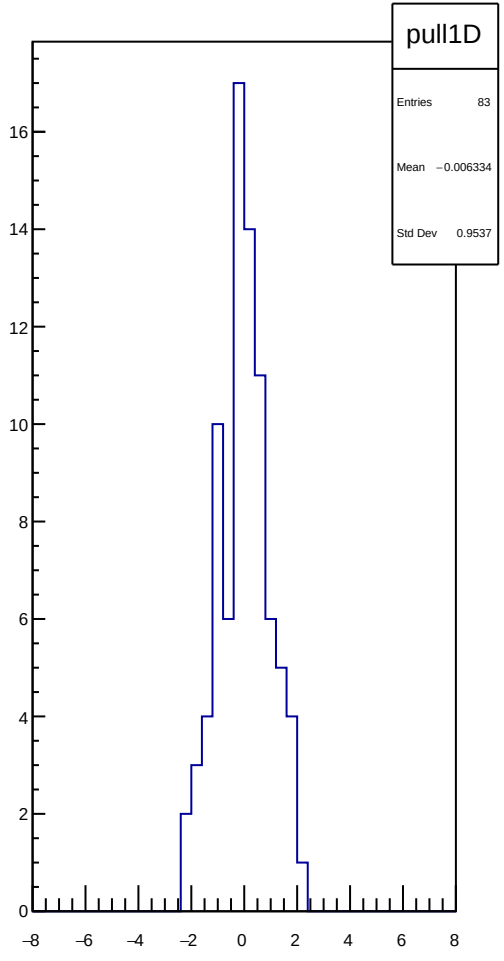

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 351.9 / 82
p0 1633 ± 1.3
1700
1680
1660
1640
1620
1600
1580
1560

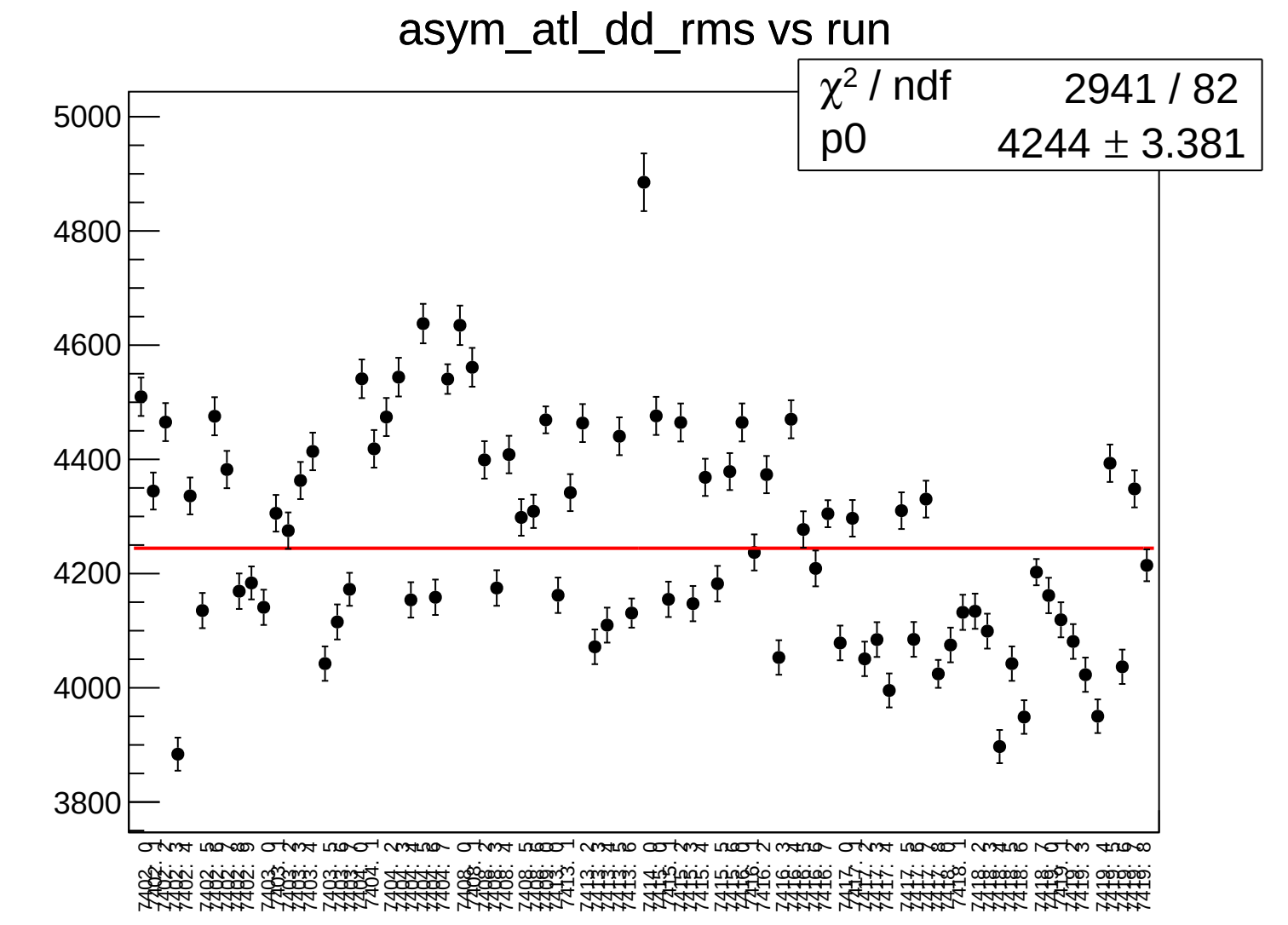

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 81.43 / 82
p0 −1135 ± 5011
pull
Entries 83
Mean −1384
Std Dev 0

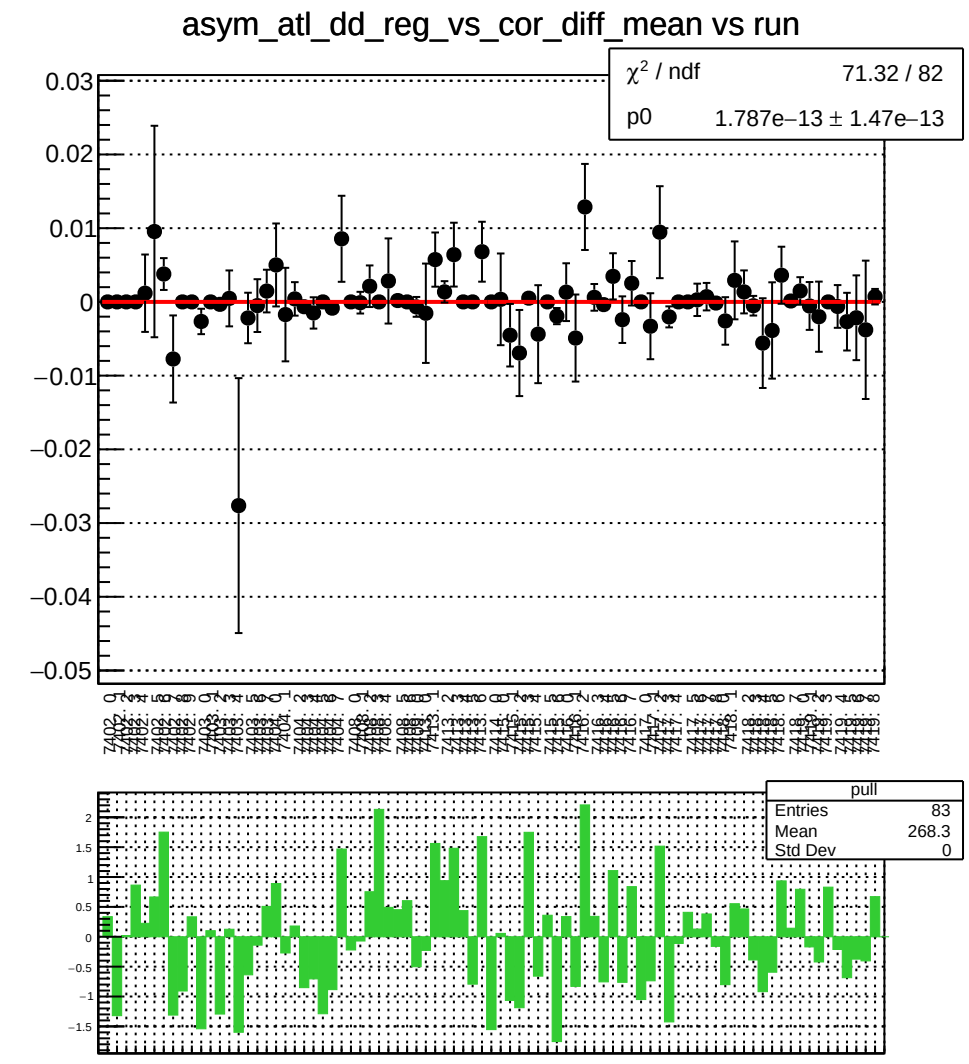

pull1D
Entries 83
Mean −0.002017
Std Dev 0.9905

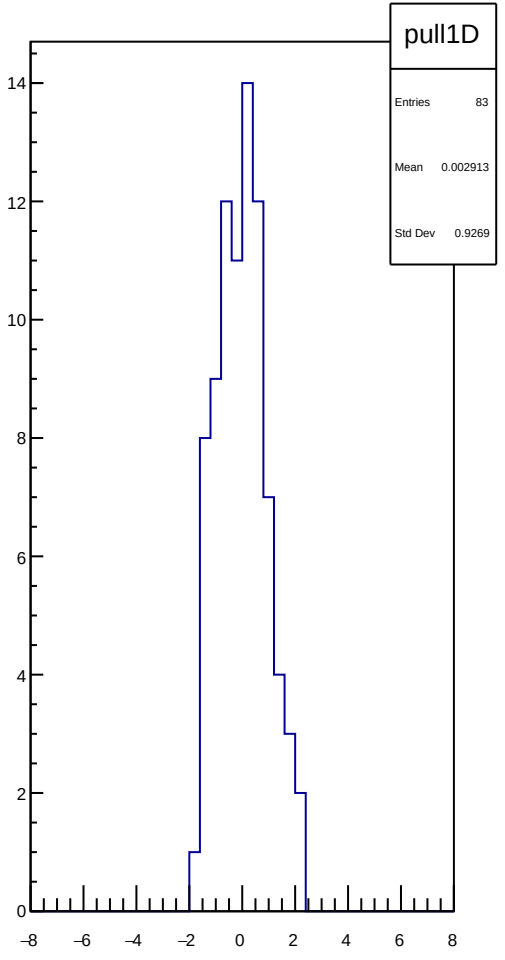

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 3367 / 82
p0 4447 ± 3.543
5200
5000
4800
4600
4400
4200
4000

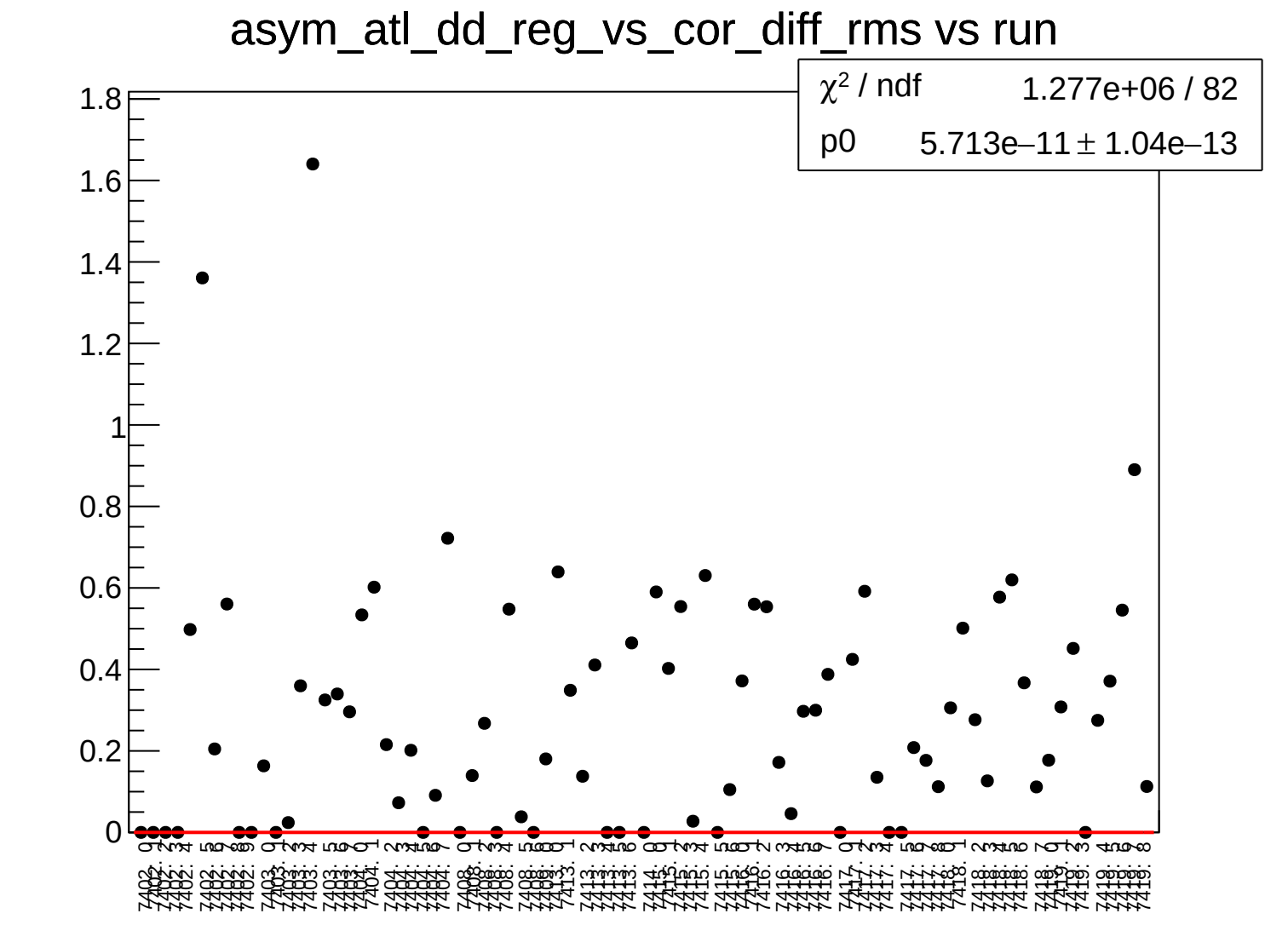

asym_atl_dd_mean vs run
×10^3
χ² / ndf 75.49 / 82
p0 2293 ± 4782
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 284.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

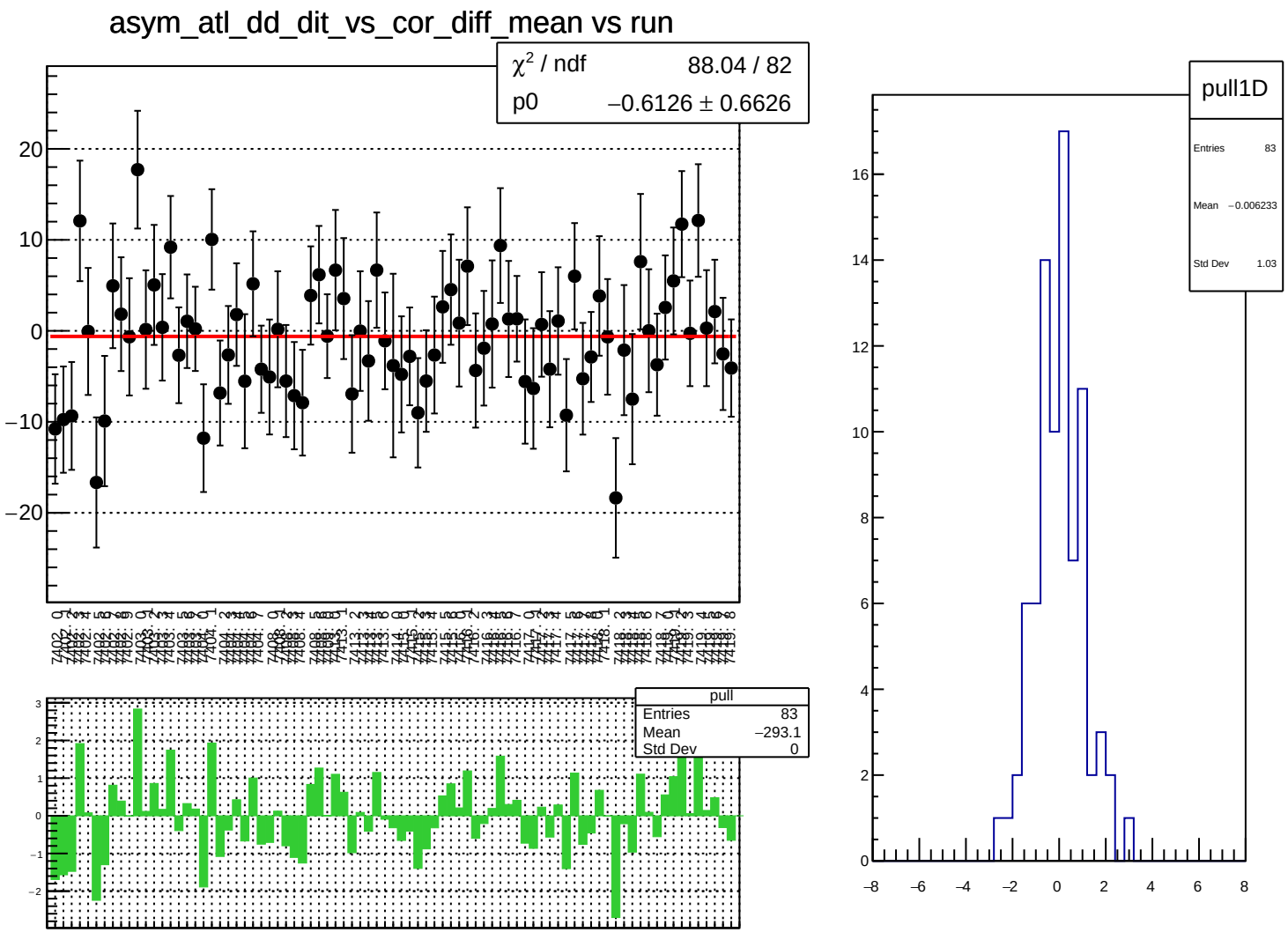

pull1D
Entries 83
Mean −0.006334
Std Dev 0.9537
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

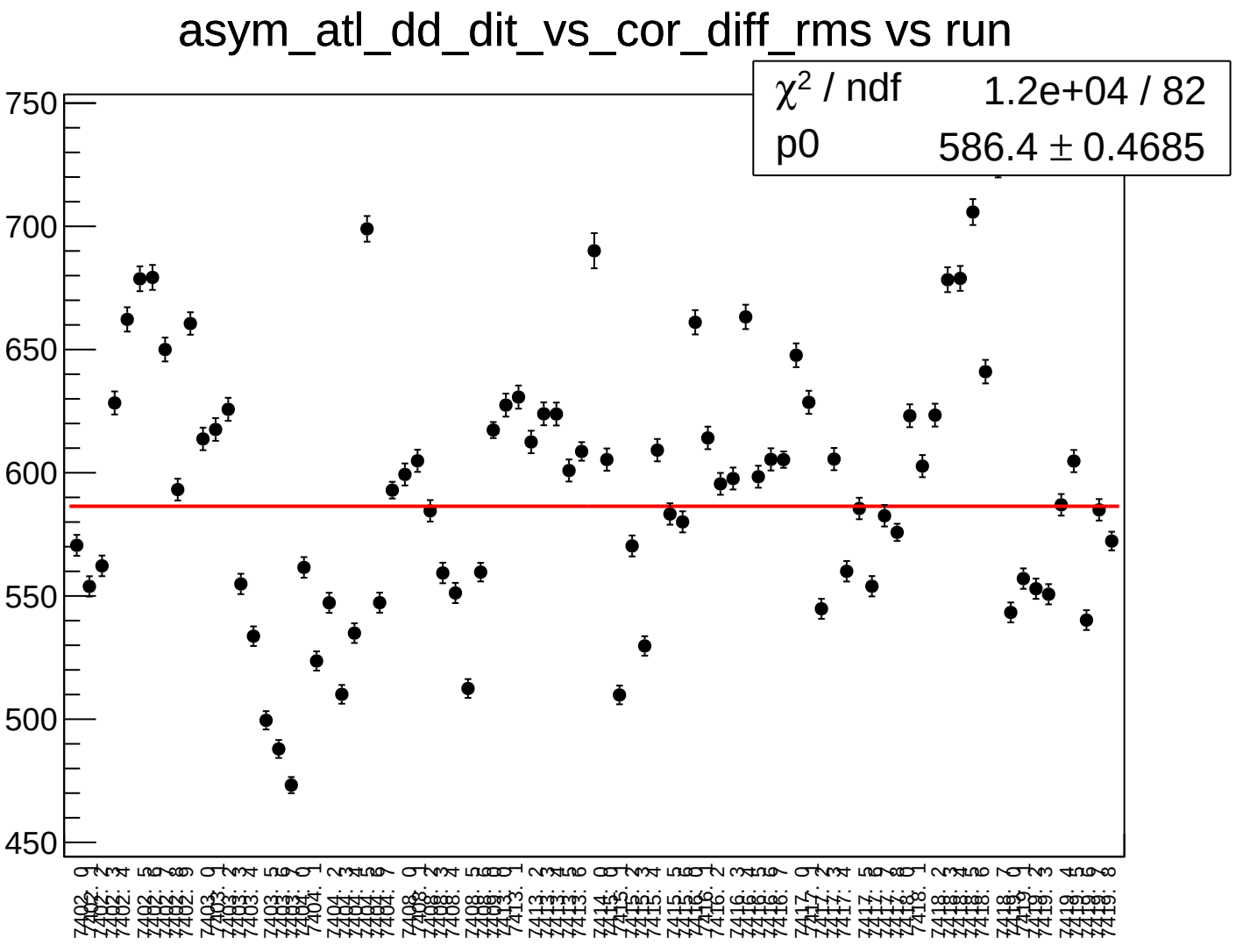

asym_atl_dd_rms vs run
χ² / ndf 2941 / 82
p0 4244 ± 3.381
5000
4800
4600
4400
4200
4000
3800

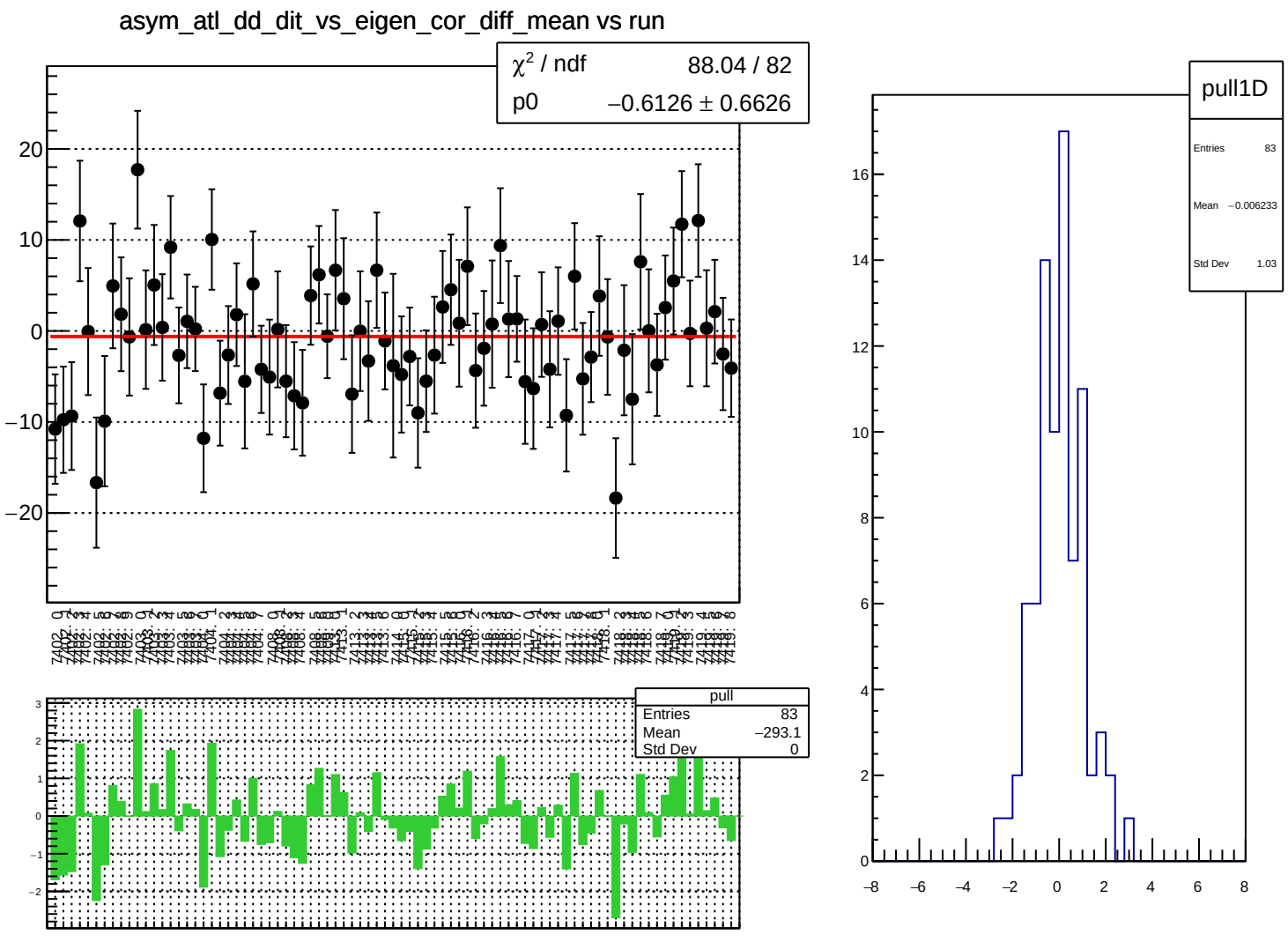

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 71.32 / 82
p0 1.787e−13 ± 1.47e−13
pull
Entries 83
Mean 268.3
Std Dev 0

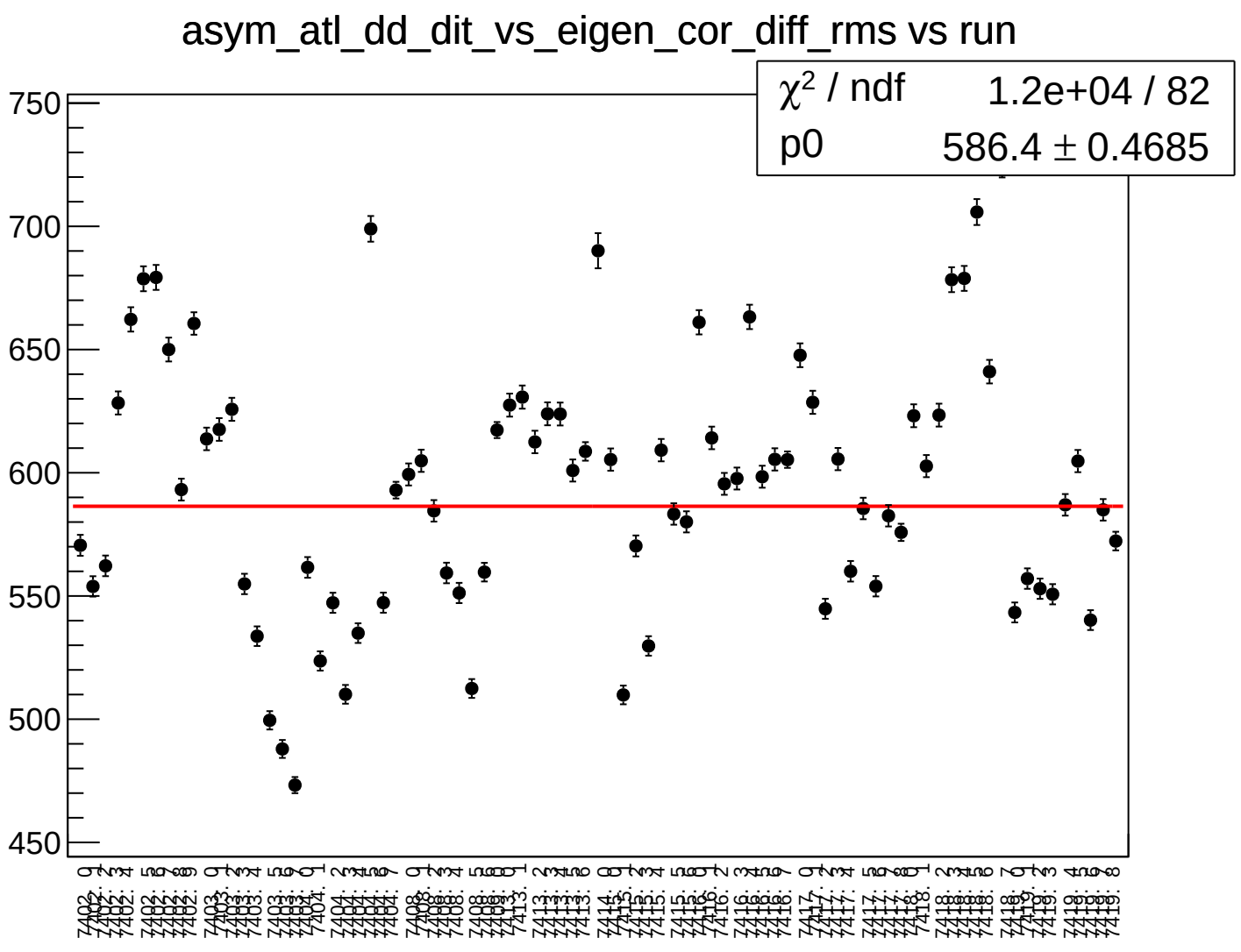

pull1D
Entries 83
Mean 0.002913
Std Dev 0.9269

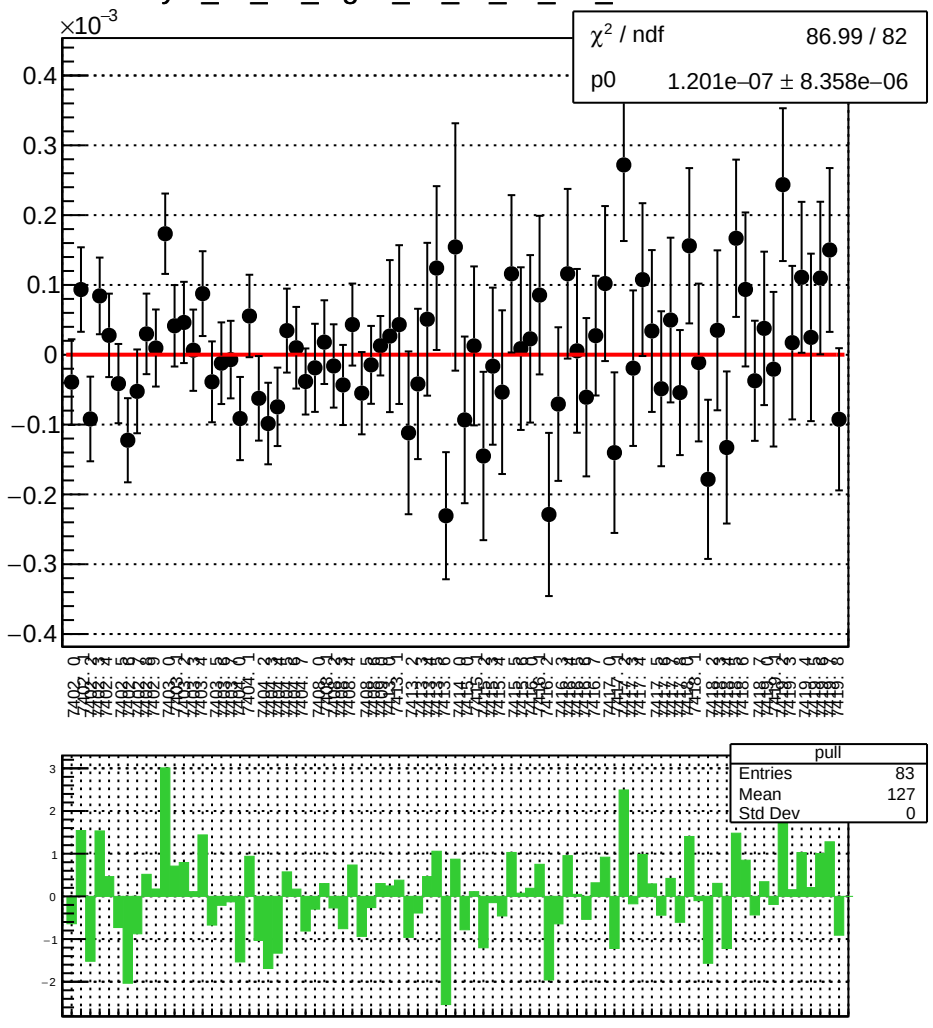

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.277e+06 / 82
p0 5.713e−11 ± 1.04e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

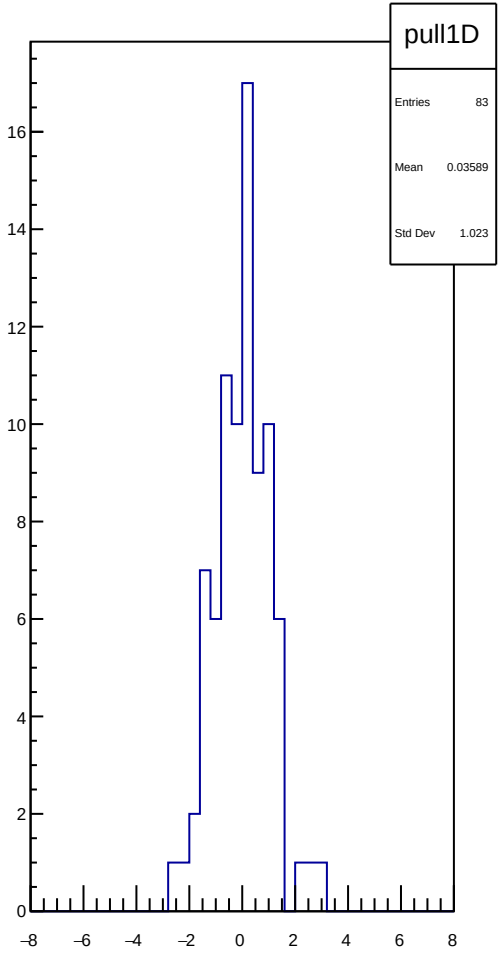

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 88.04 / 82
p0 −0.6126 ± 0.6626
20
10
0
−10
−20
pull
Entries 83
Mean −293.1
Std Dev 0
pull1D
Entries 83
Mean −0.006233
Std Dev 1.03

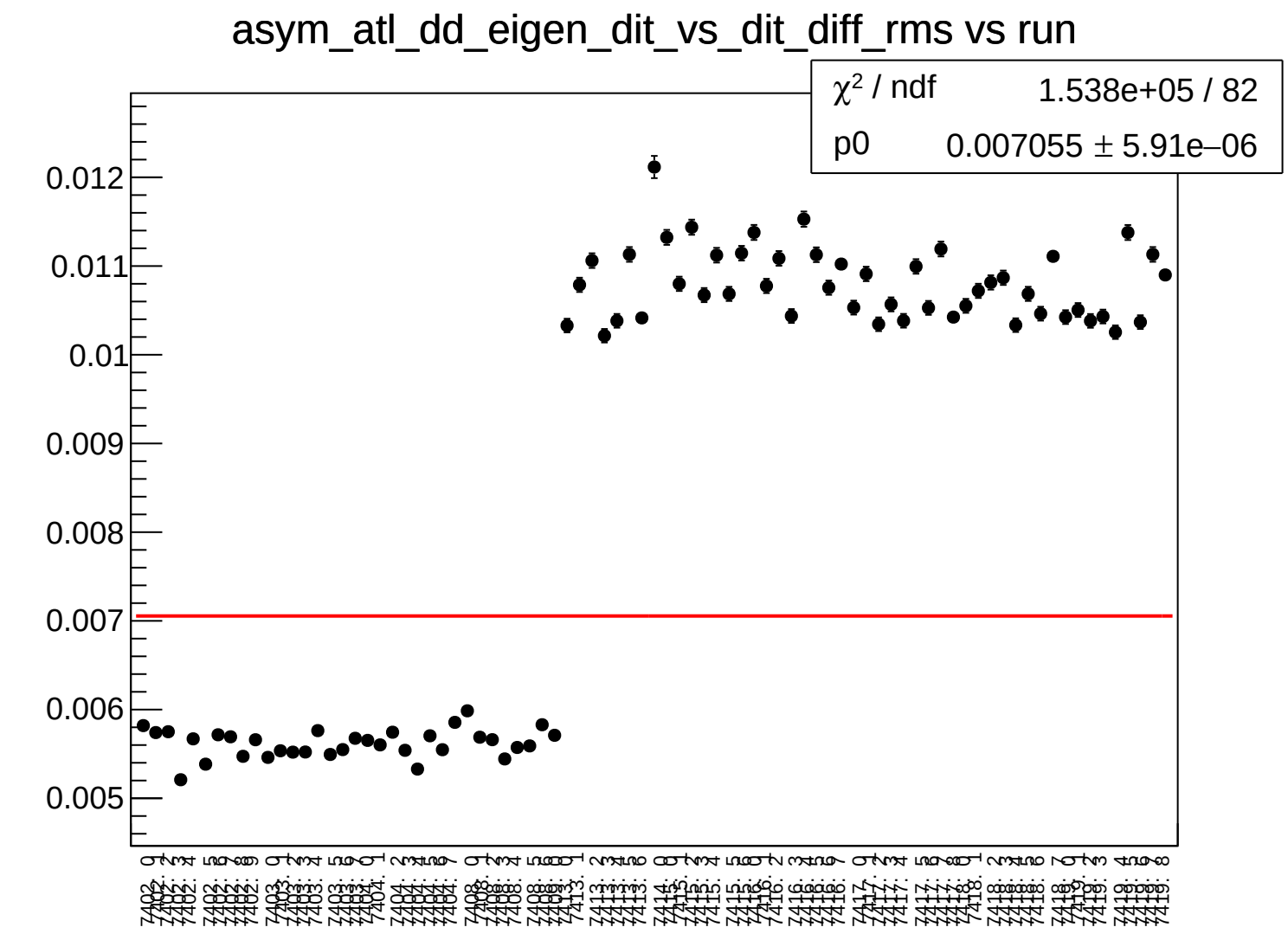

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.2e+04 / 82
p0 586.4 ± 0.4685
750
700
650
600
550
500
450

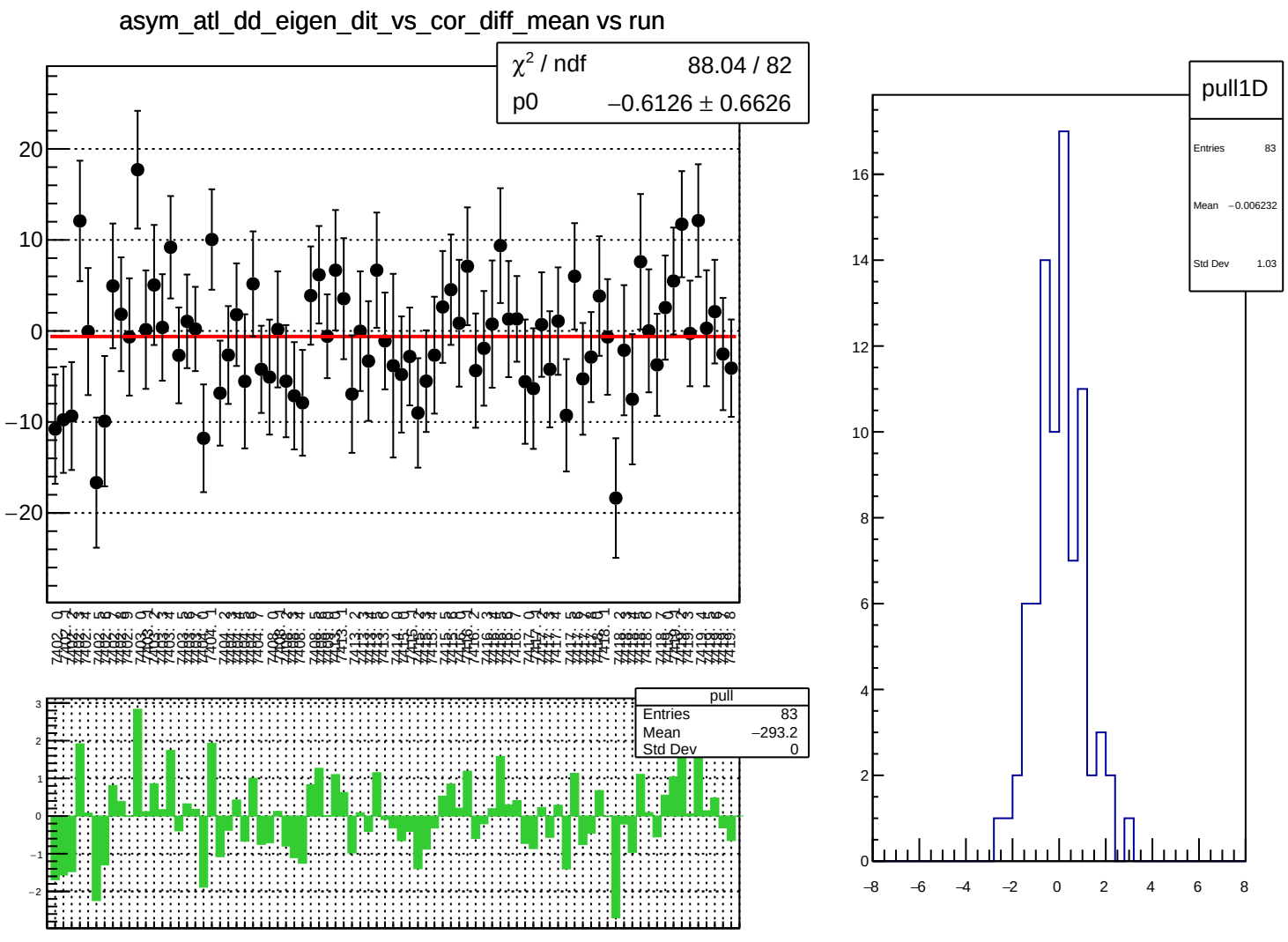

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.04 / 82
p0 −0.6126 ± 0.6626
20
10
0
−10
−20
pull
Entries 83
Mean −293.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.006233
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

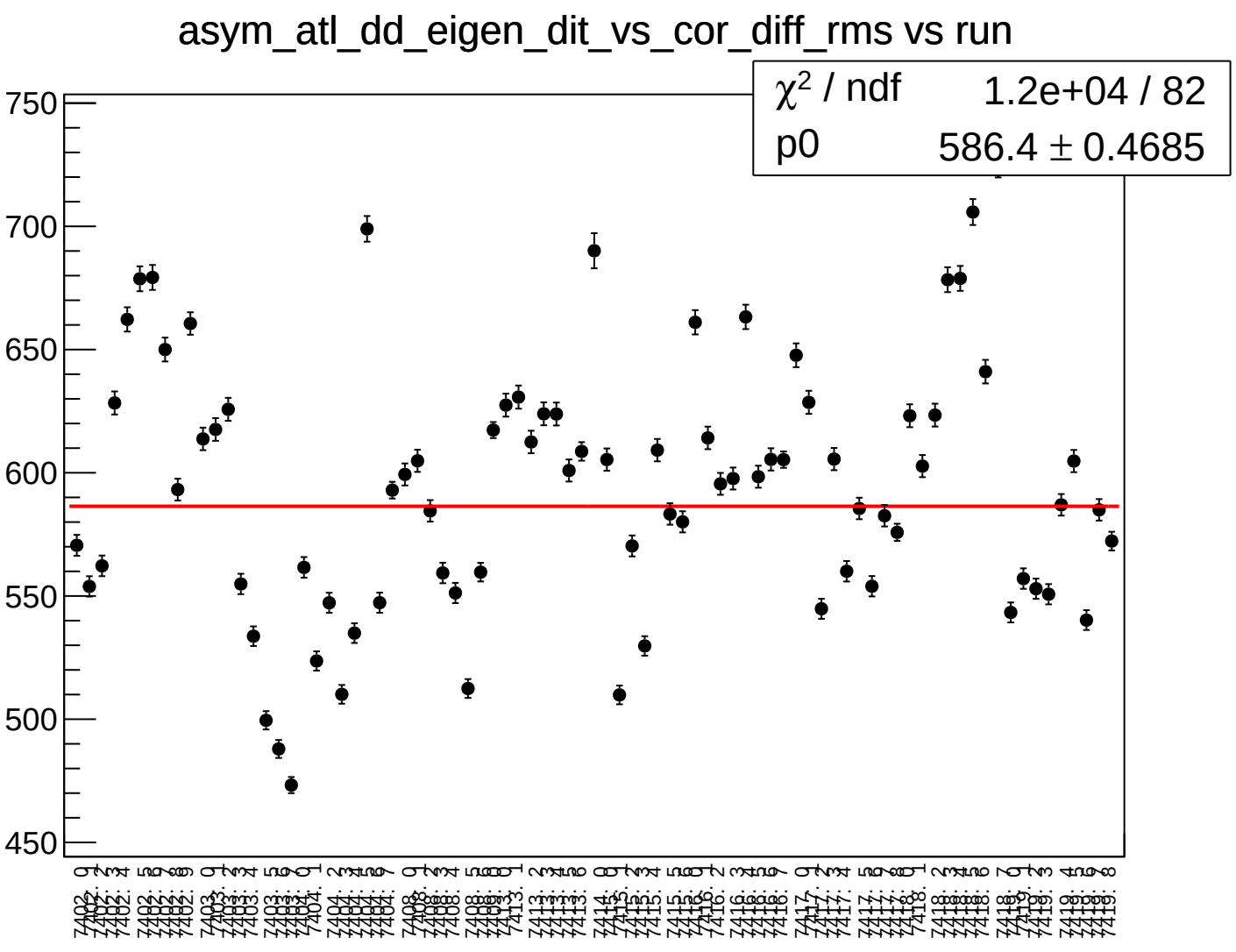

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.2e+04 / 82
p0 586.4 ± 0.4685
750
700
650
600
550
500
450

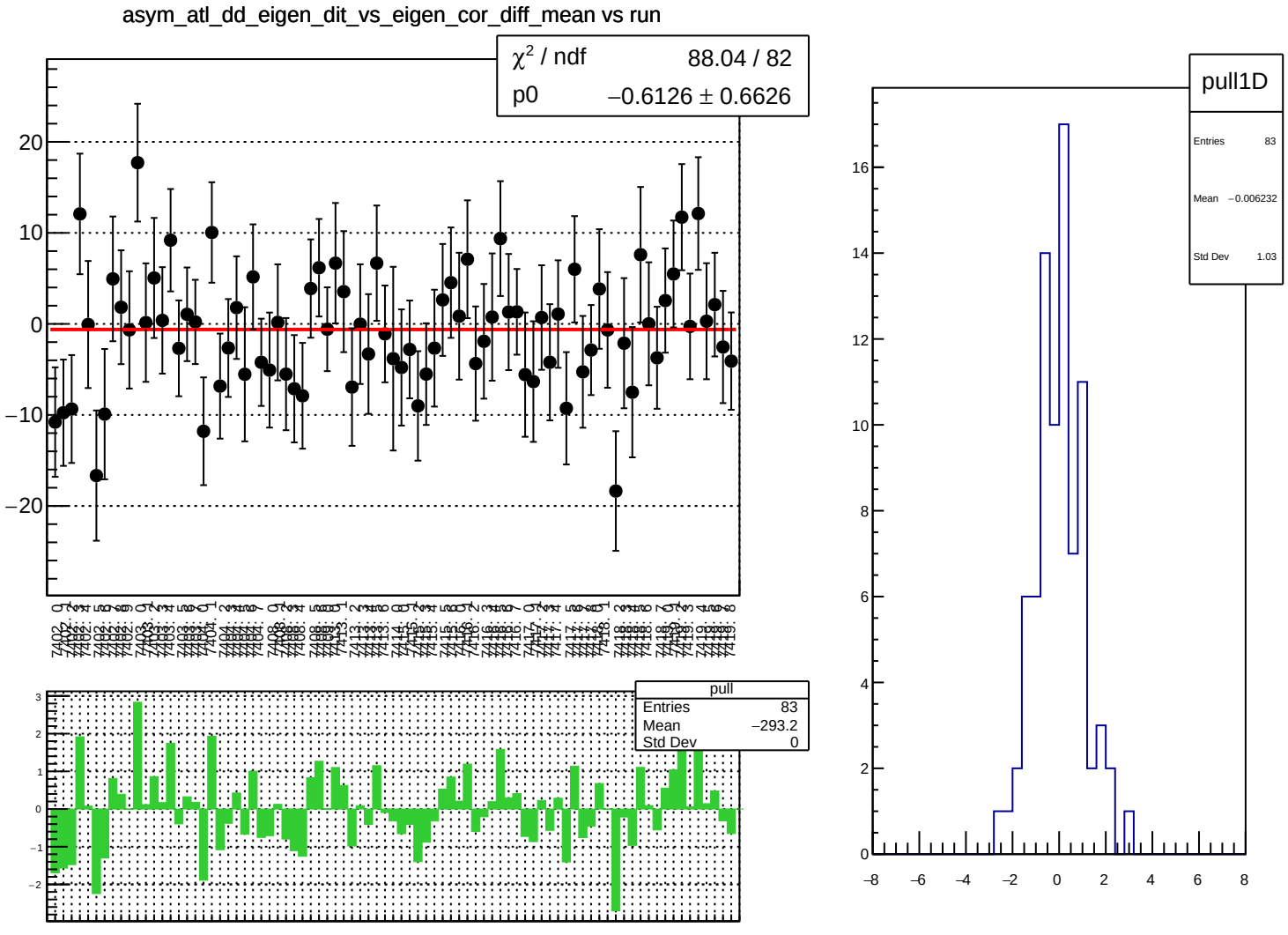

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.99 / 82
p0 1.201e−07 ± 8.358e−06
pull
Entries 83
Mean 127
Std Dev 0

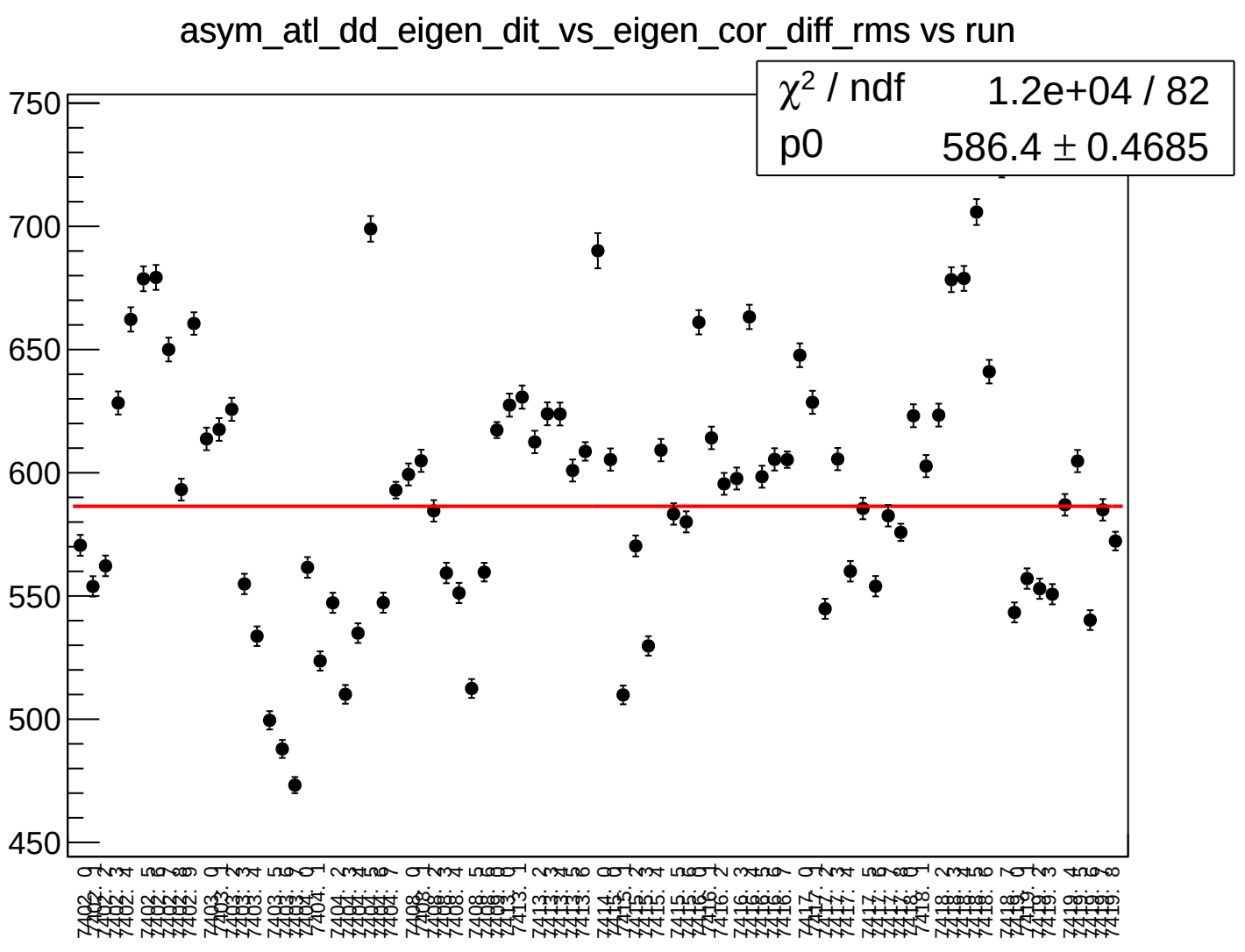

pull1D
Entries 83
Mean 0.03589
Std Dev 1.023

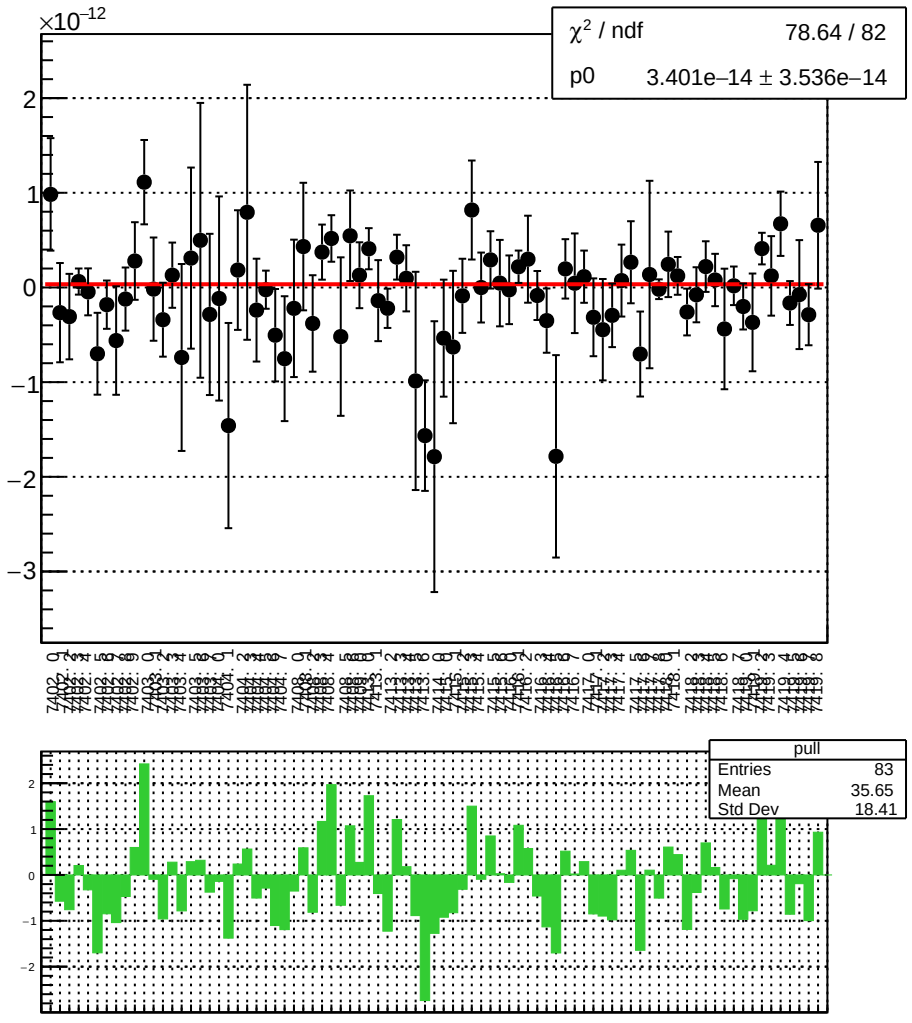

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.538e+05 / 82
p0 0.007055 ± 5.91e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

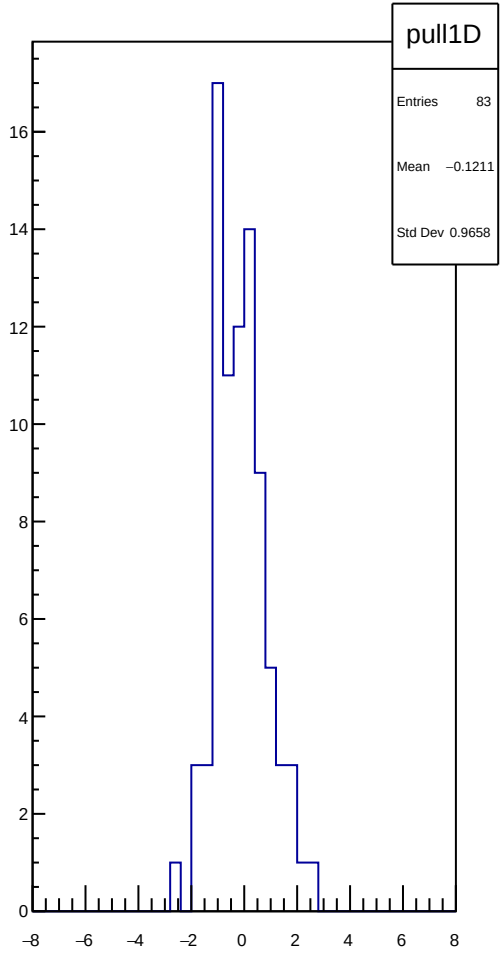

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.04 / 82
p0 −0.6126 ± 0.6626
20
10
0
−10
−20
pull
Entries 83
Mean −293.2
Std Dev 0
pull1D
Entries 83
Mean −0.006232
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

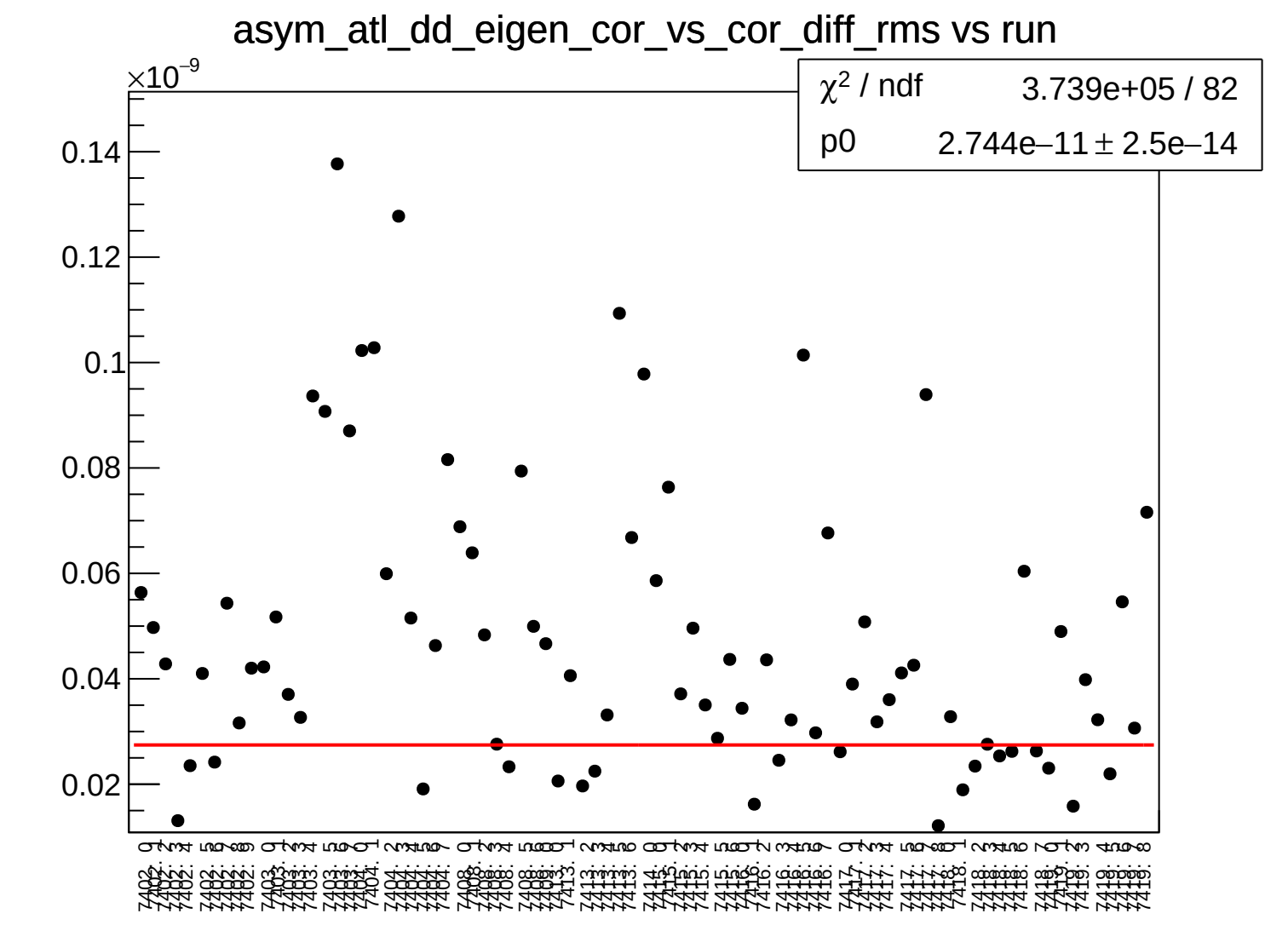

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.2e+04 / 82
p0 586.4 ± 0.4685
750
700
650
600
550
500
450

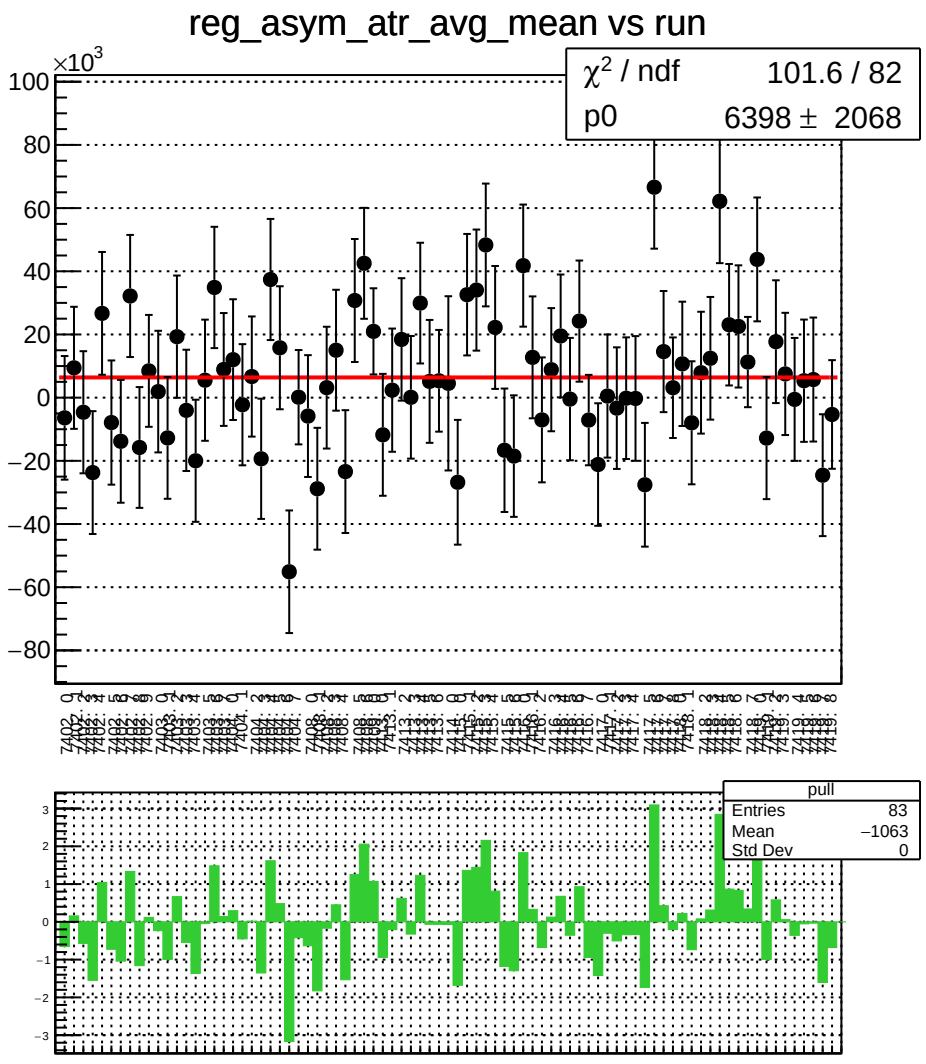

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.04 / 82
p0 −0.6126 ± 0.6626
20
10
0
−10
−20
pull
Entries 83
Mean −293.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.006232
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

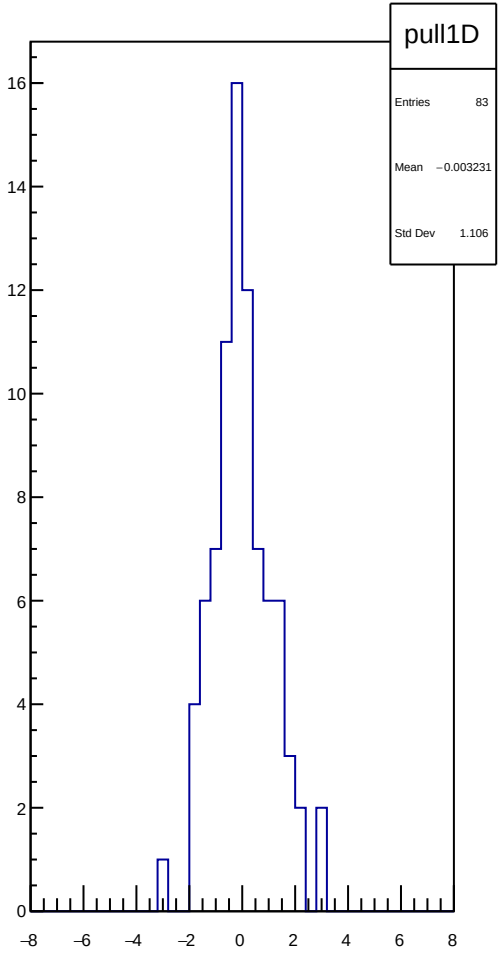

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.2e+04 / 82
p0 586.4 ± 0.4685
750
700
650
600
550
500
450

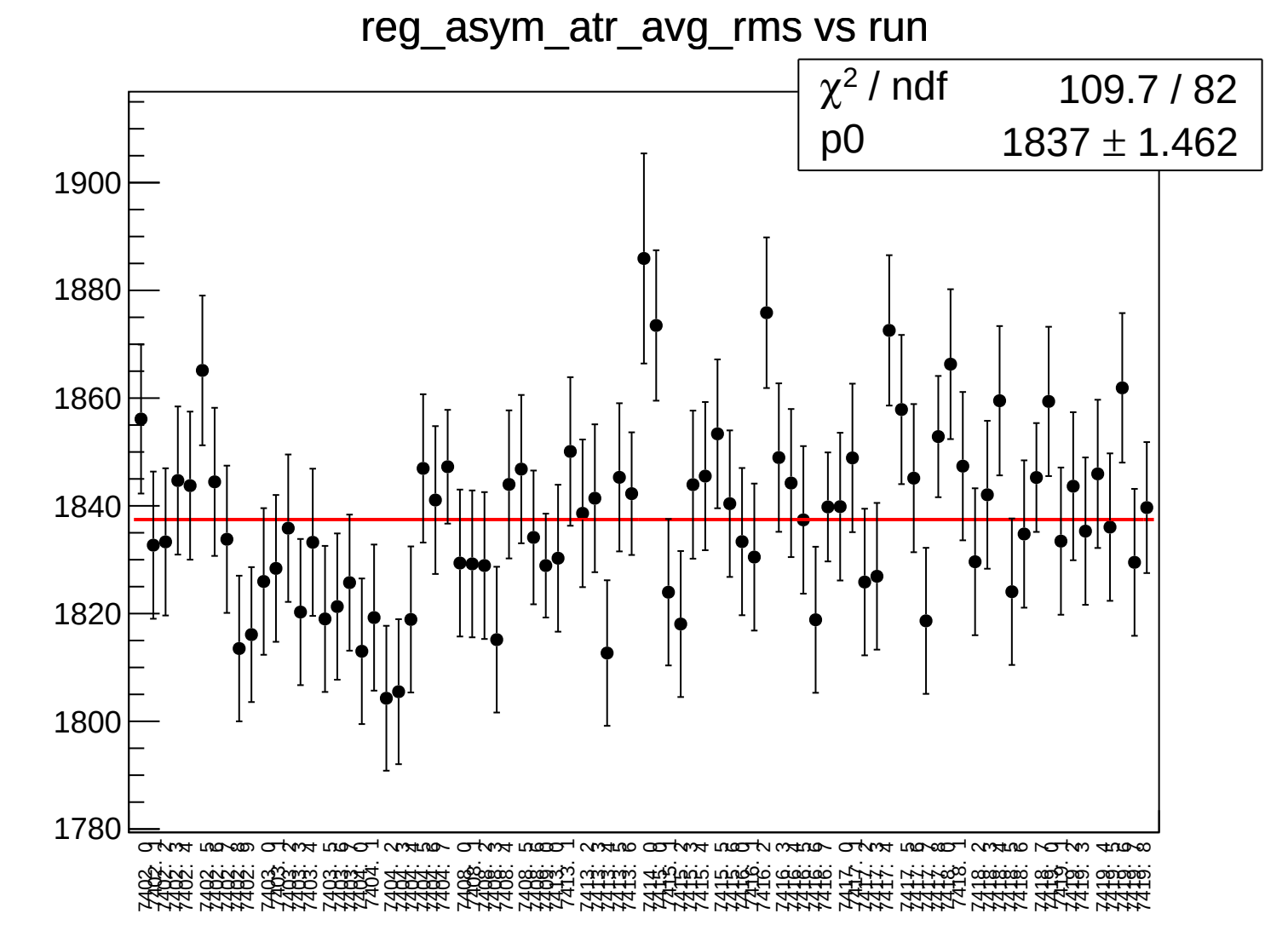

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.64 / 82
p0 3.401e−14 ± 3.536e−14
pull
Entries 83
Mean 35.65
Std Dev 18.41

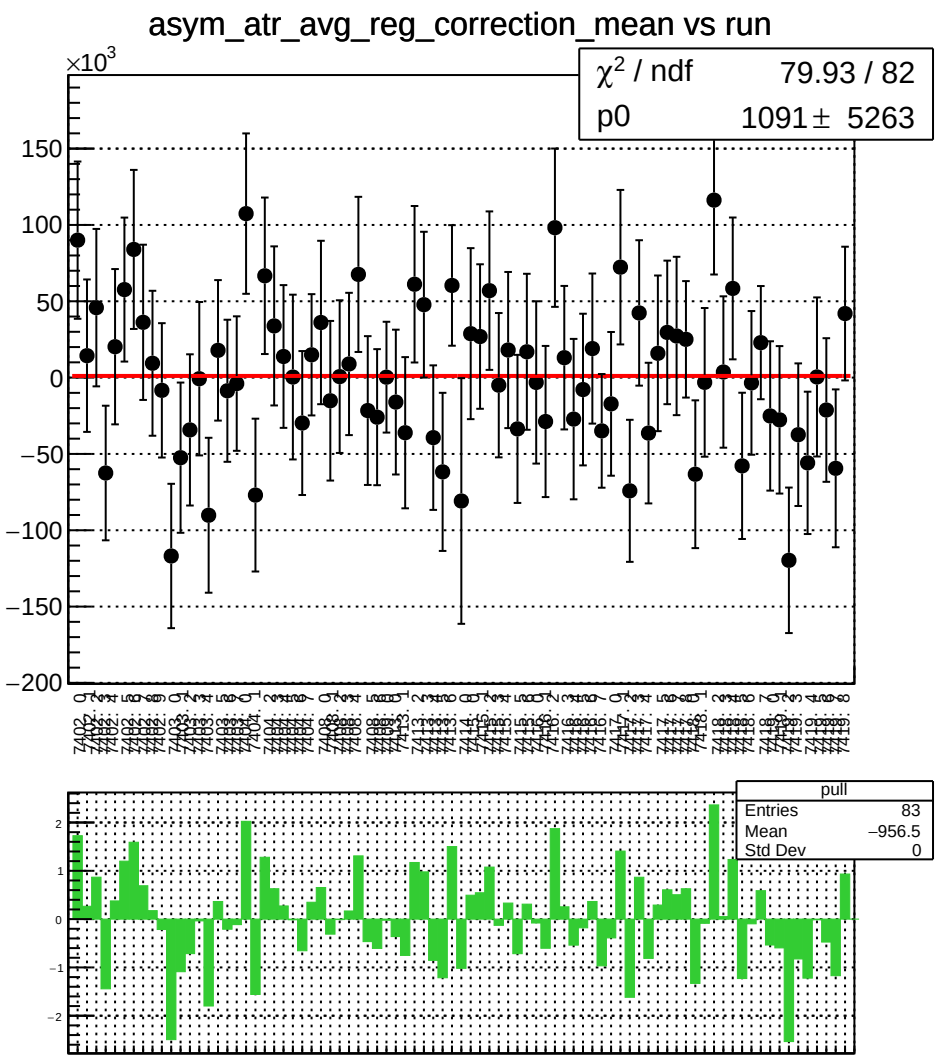

pull1D
Entries 83
Mean −0.1211
Std Dev 0.9658

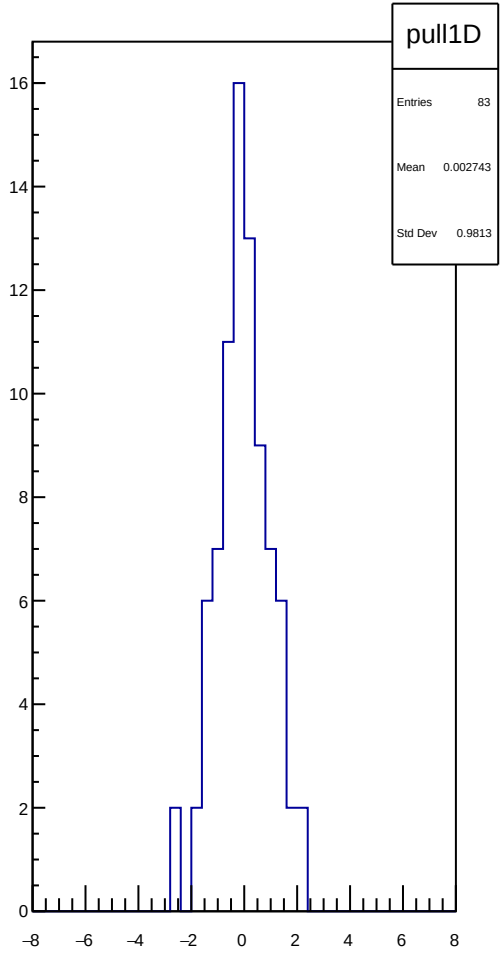

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.739e+05 / 82
p0 2.744e−11 ± 2.5e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

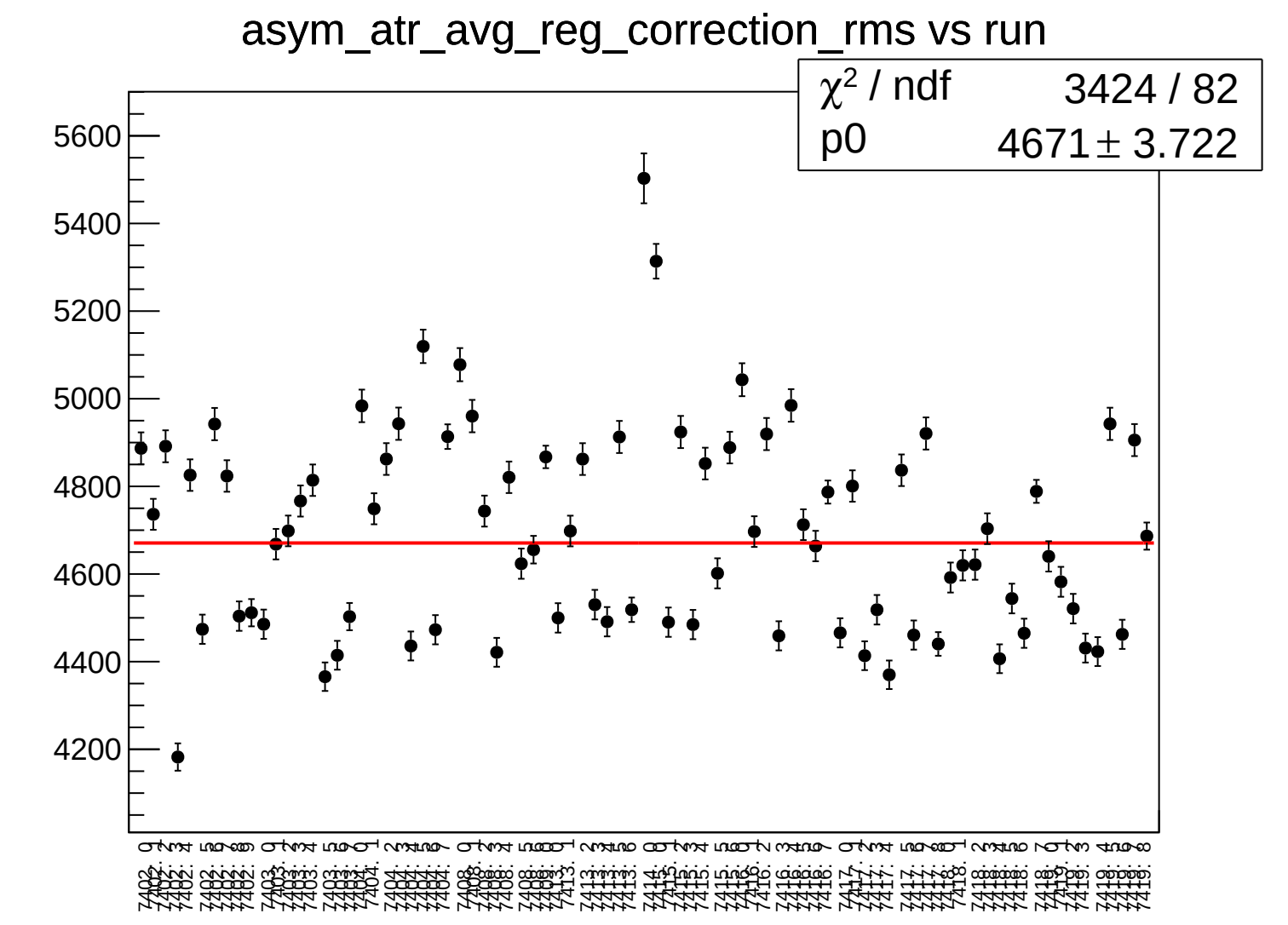

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 101.6 / 82
p0 6398 ± 2068
pull
Entries 83
Mean −1063
Std Dev 0

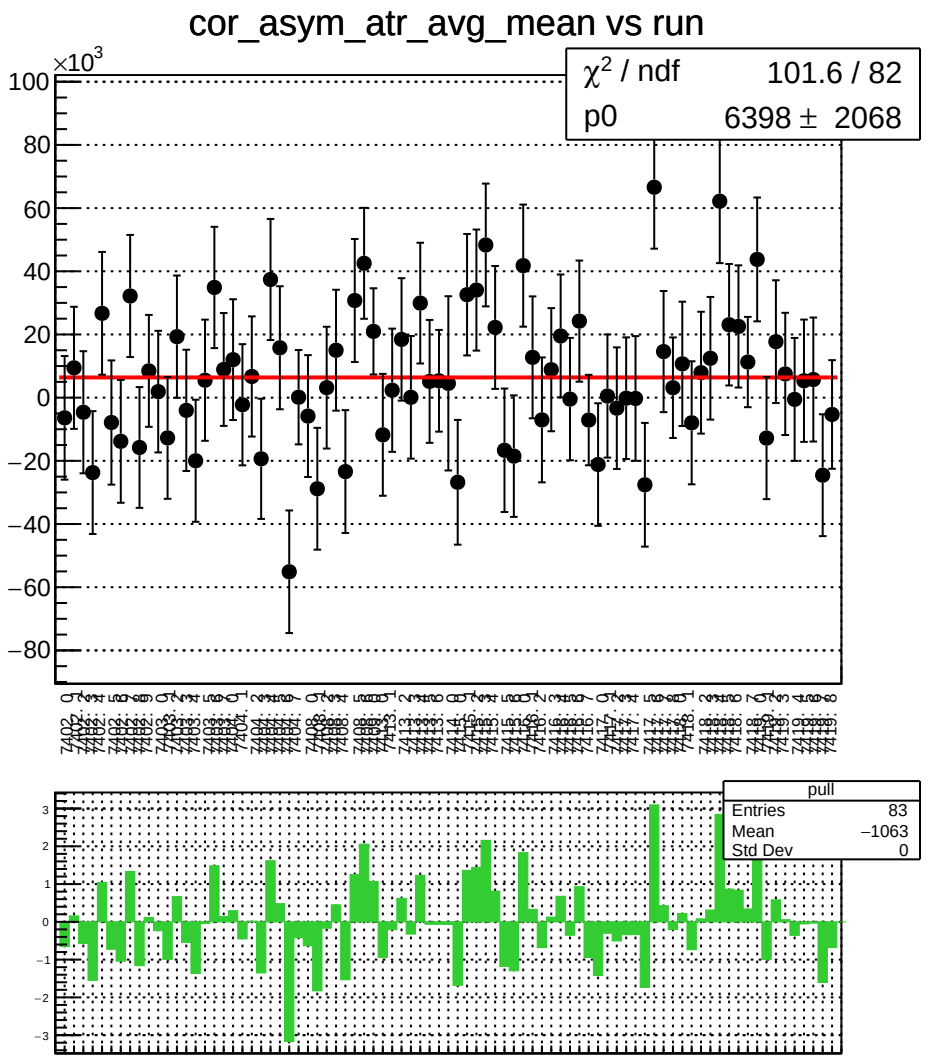

pull1D
Entries 83
Mean −0.003231
Std Dev 1.106

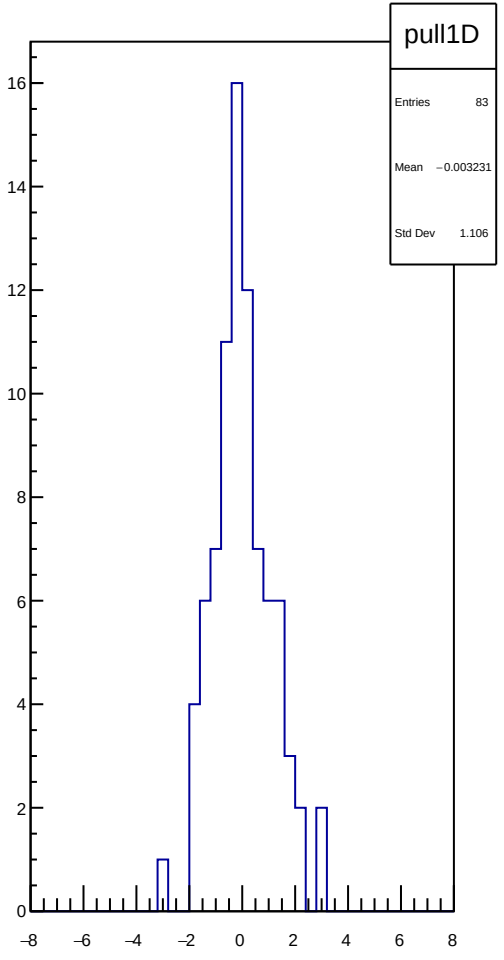

reg_asym_atr_avg_rms vs run
χ² / ndf 109.7 / 82
p0 1837 ± 1.462
1900
1880
1860
1840
1820
1800
1780

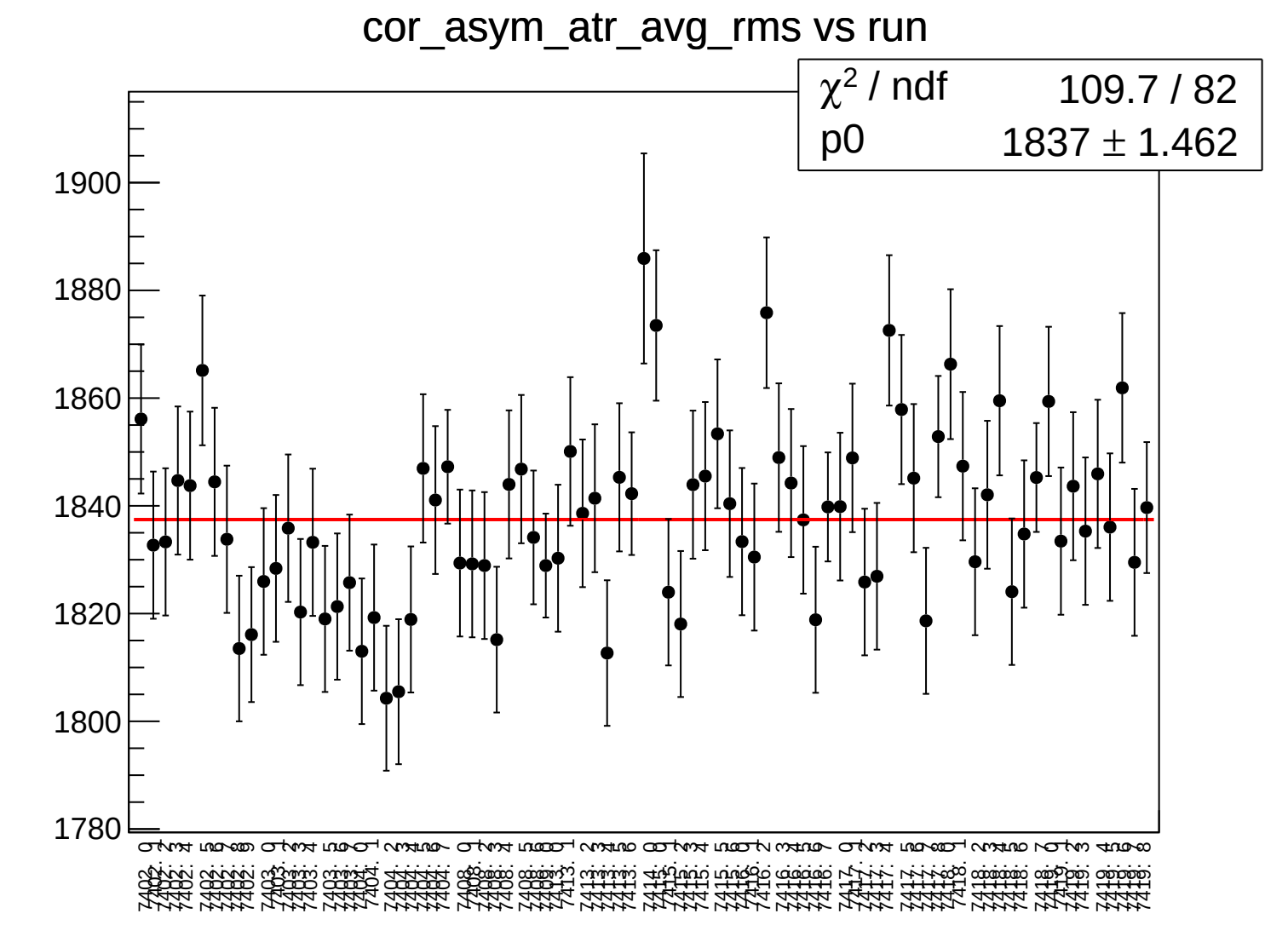

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 79.93 / 82
p0 1091 ± 5263
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −956.5
Std Dev 0
2
1
0
−1
−2

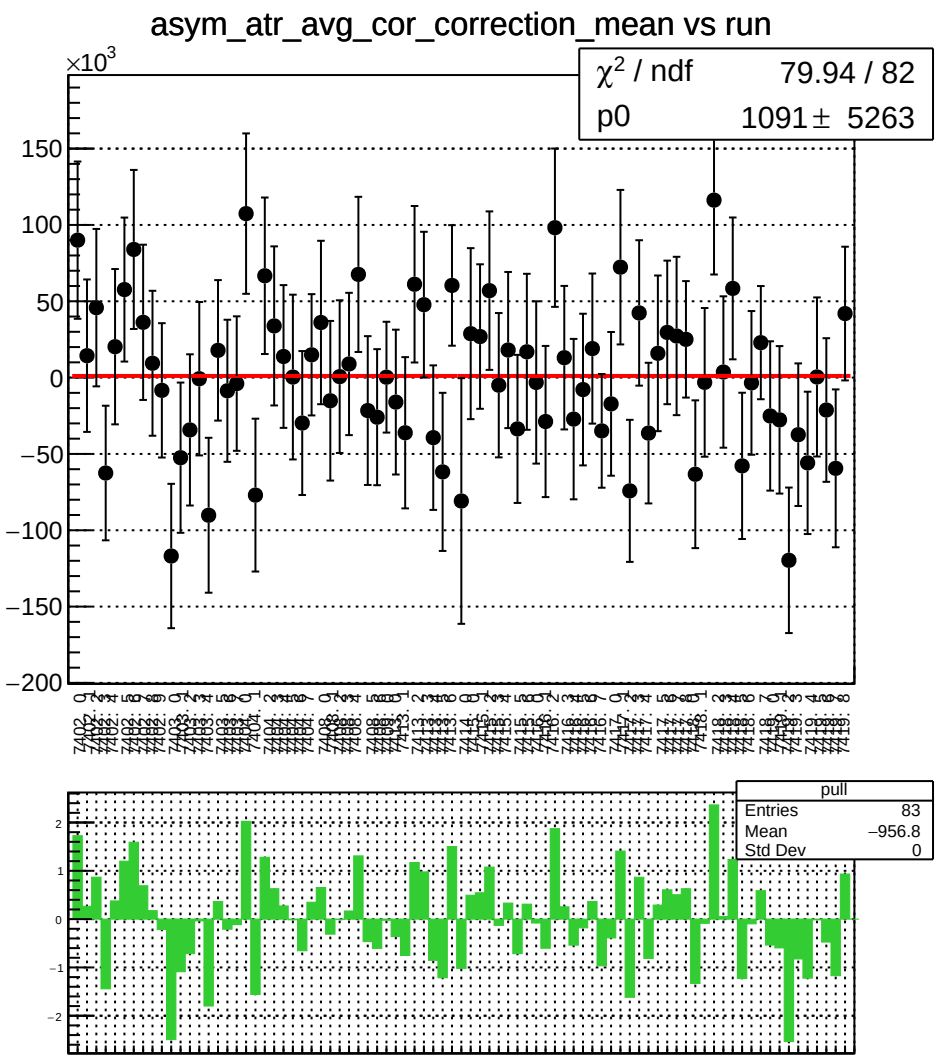

pull1D
Entries 83
Mean 0.002743
Std Dev 0.9813
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

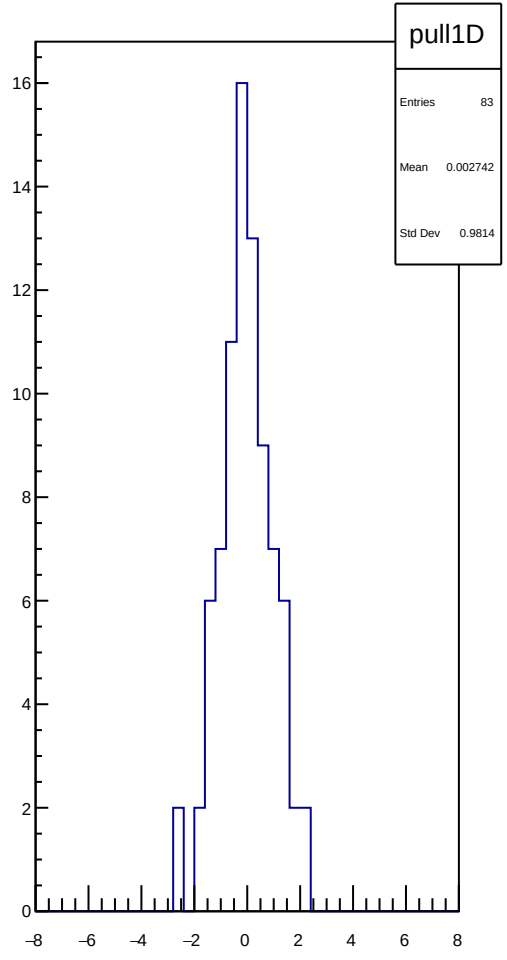

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 3424 / 82
p0 4671 ± 3.722
5600
5400
5200
5000
4800
4600
4400
4200

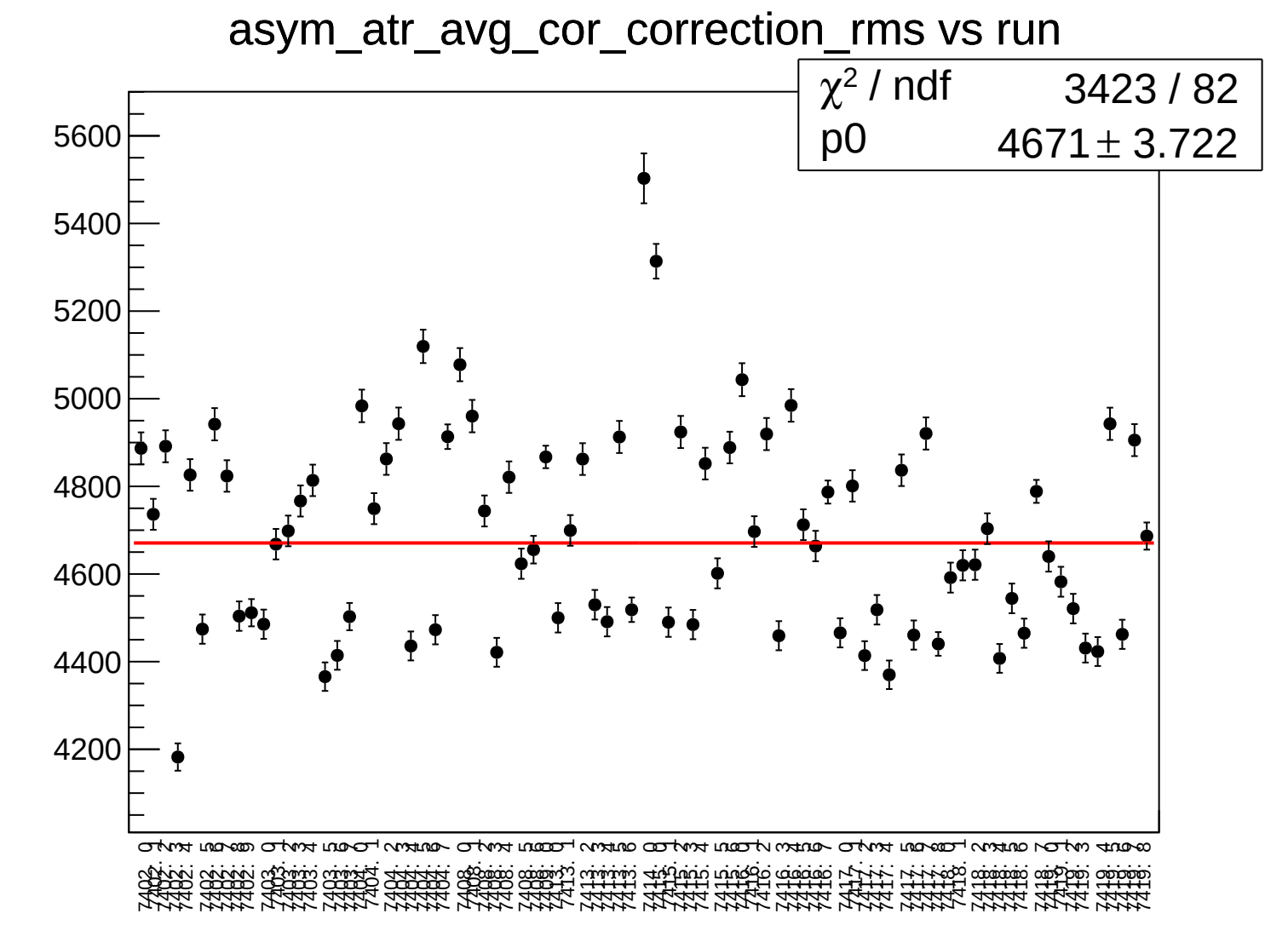

cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 101.6 / 82
p0 6398 ± 2068
pull
Entries 83
Mean −1063
Std Dev 0

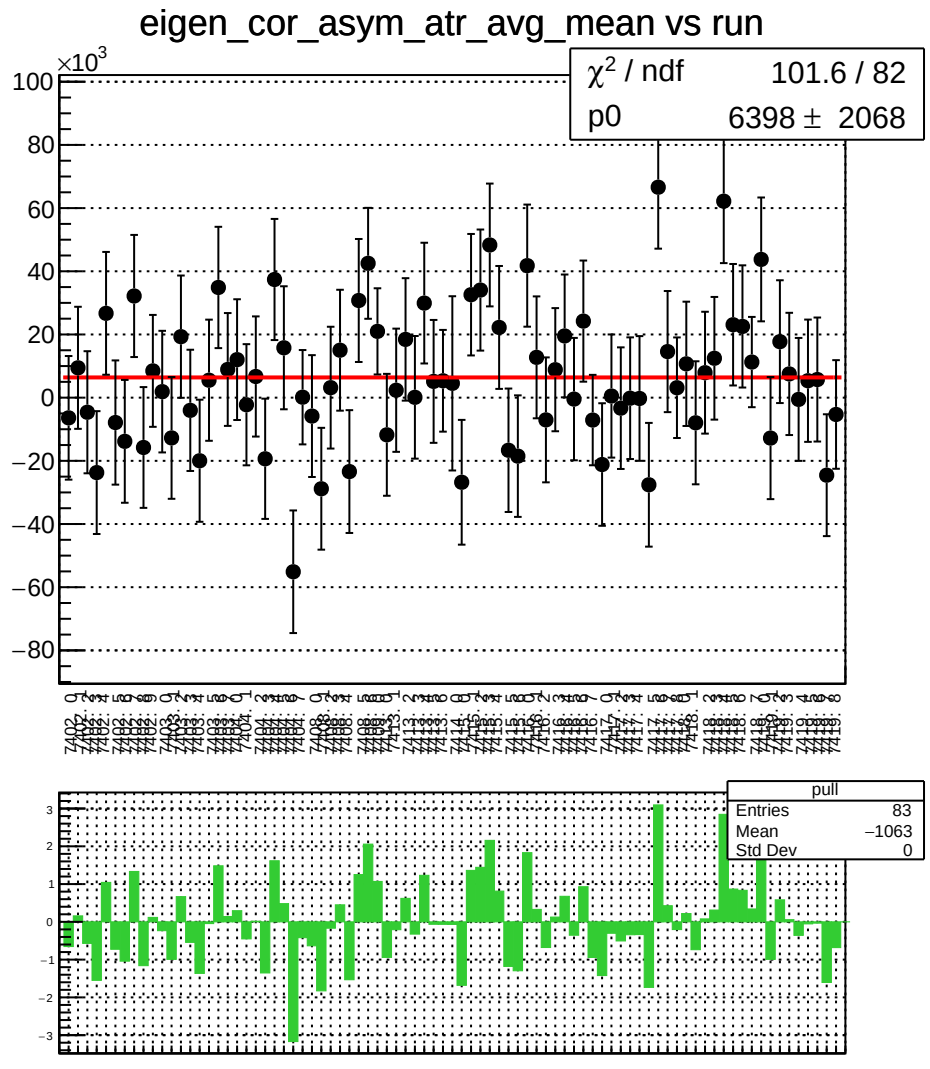

pull1D
Entries 83
Mean −0.003231
Std Dev 1.106

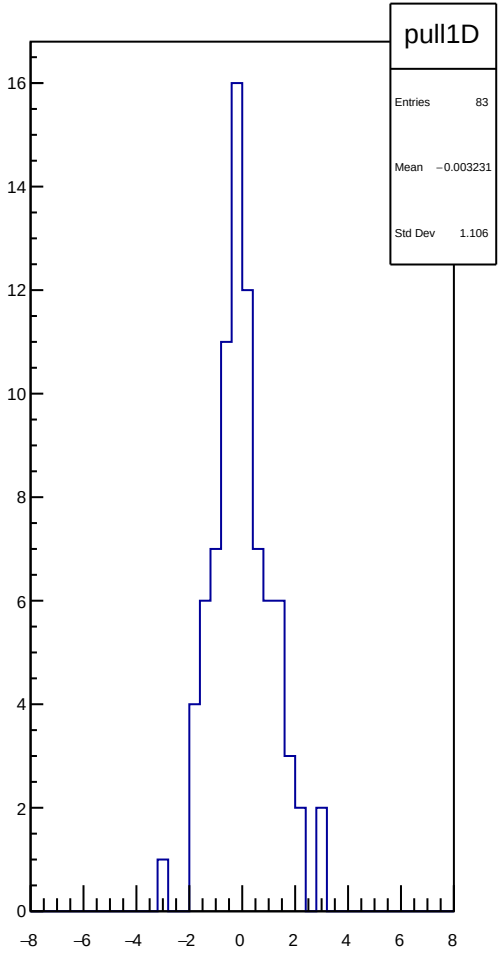

cor_asym_atr_avg_rms vs run
χ² / ndf 109.7 / 82
p0 1837 ± 1.462
1900
1880
1860
1840
1820
1800
1780

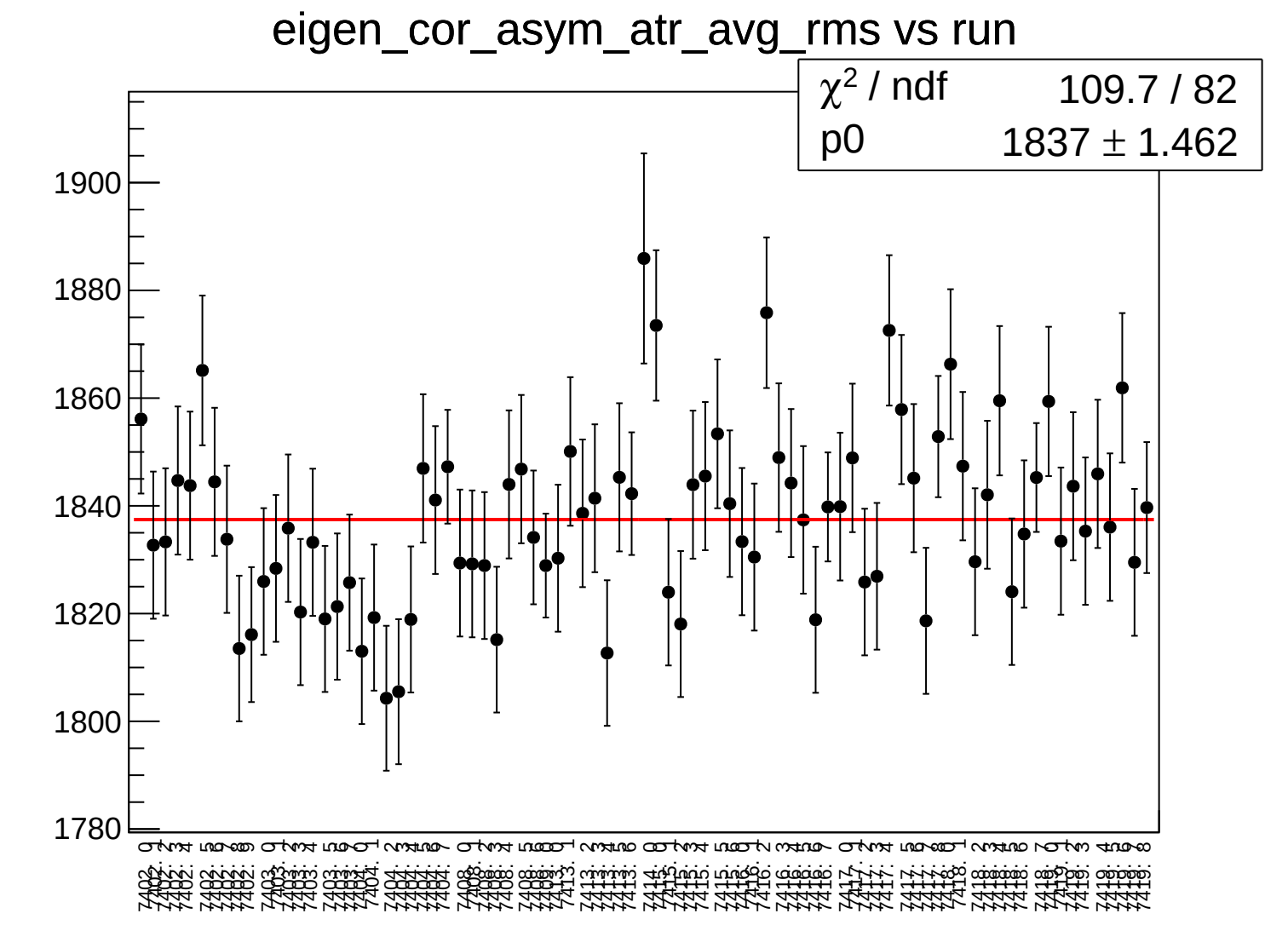

asym_atr_avg_cor_correction_mean vs run
χ² / ndf 79.94 / 82
p0 1091 ± 5263
×10³
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −956.8
Std Dev 0
2
1
0
−1
−2

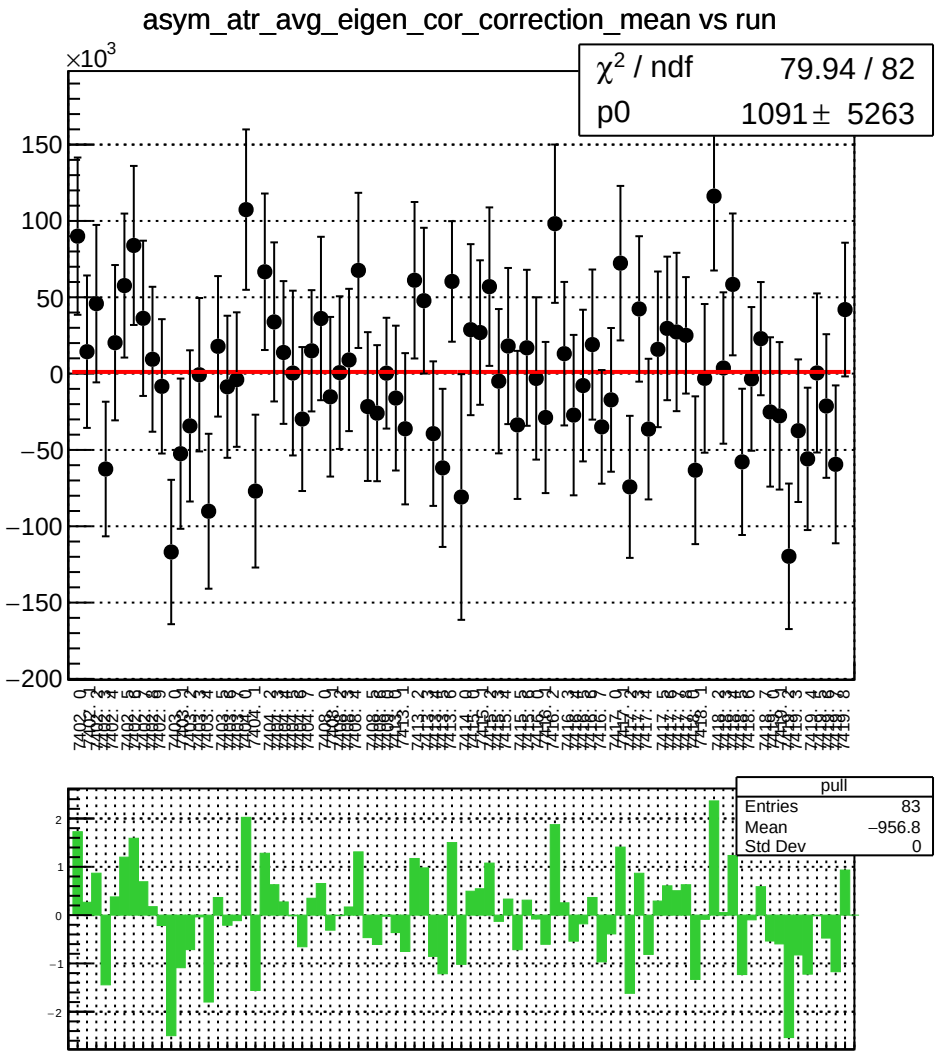

pull1D
Entries 83
Mean 0.002742
Std Dev 0.9814
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

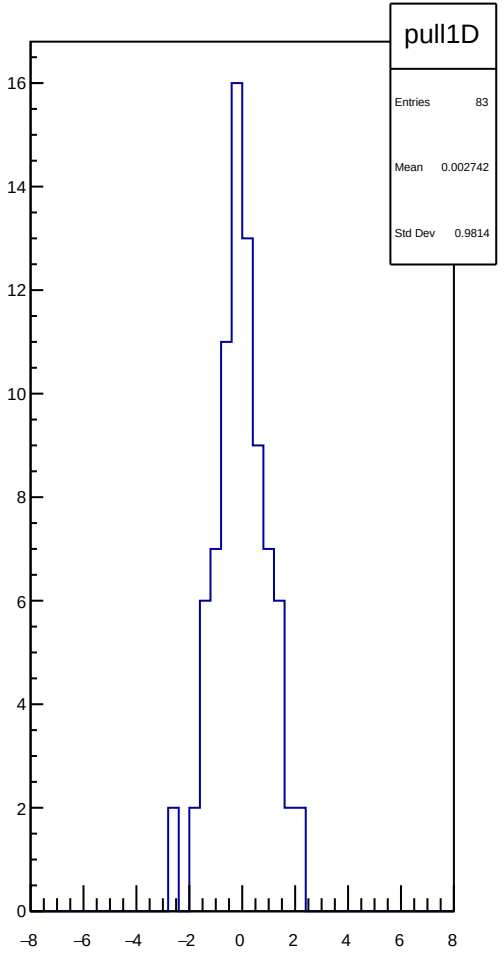

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 3423 / 82
p0 4671 ± 3.722
5600
5400
5200
5000
4800
4600
4400
4200

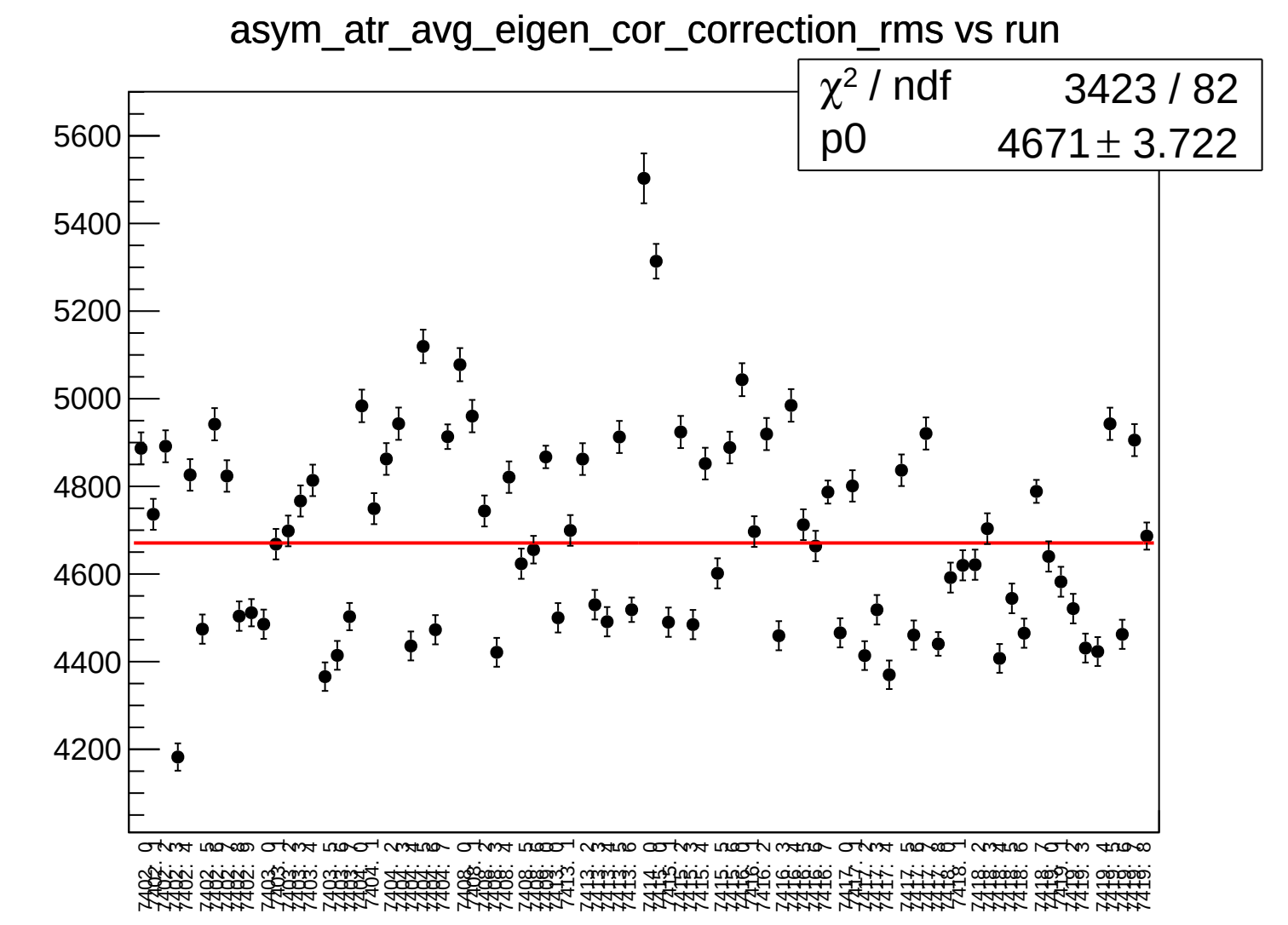

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 101.6 / 82
p0 6398 ± 2068
×10³
pull
Entries 83
Mean −1063
Std Dev 0

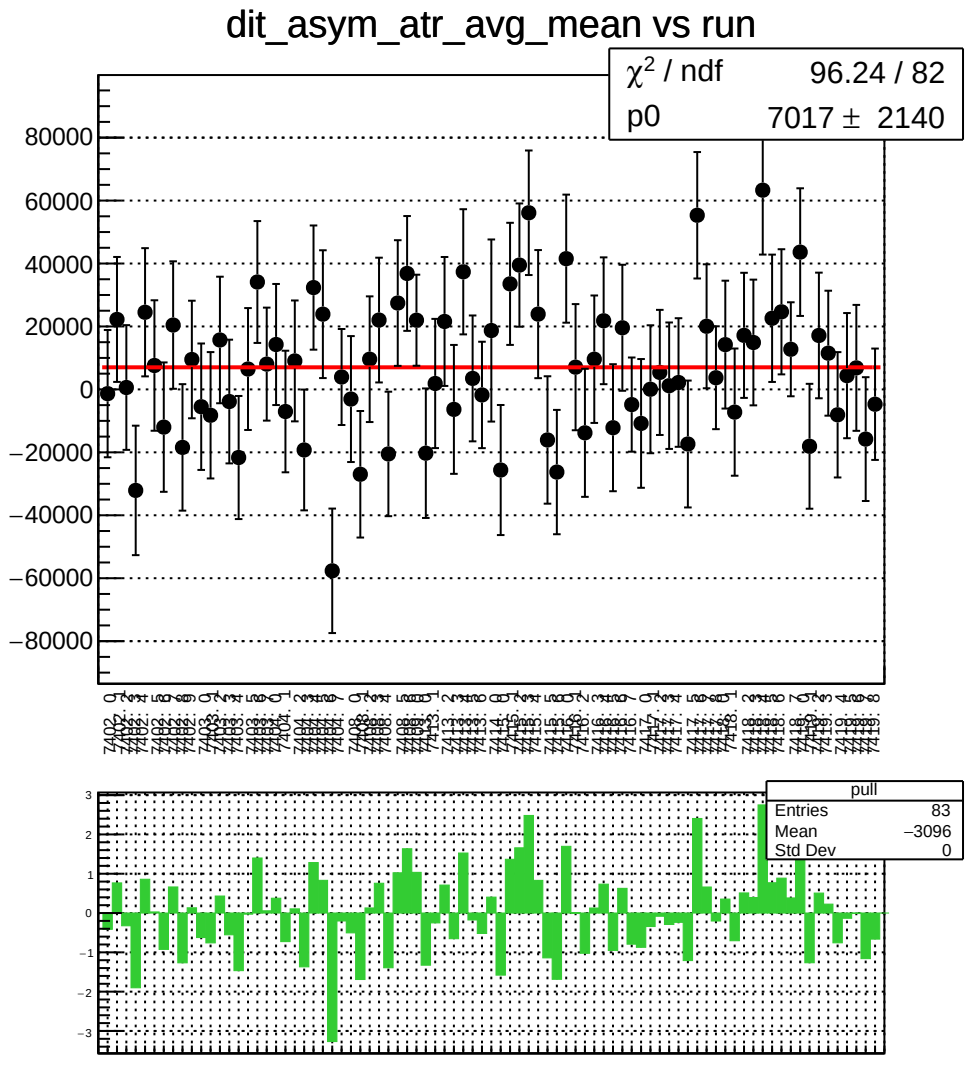

pull1D
Entries 83
Mean −0.003231
Std Dev 1.106

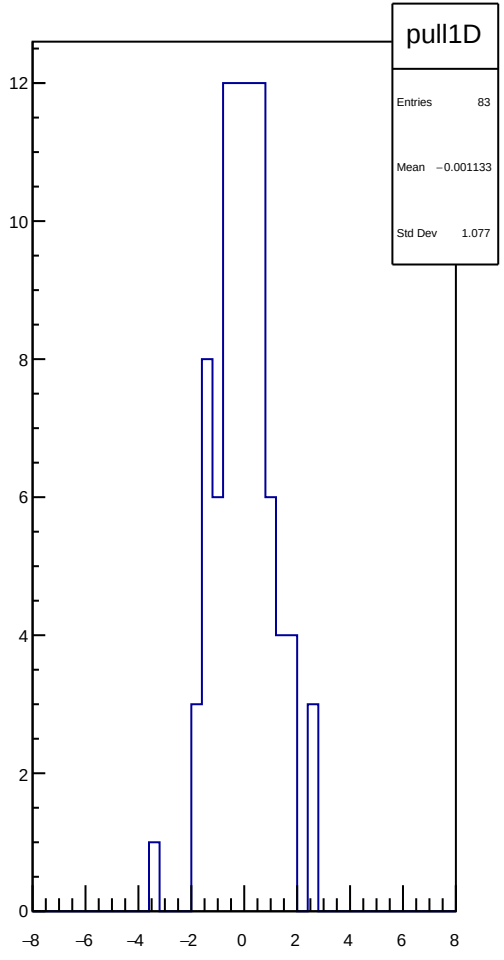

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 109.7 / 82
p0 1837 ± 1.462
1900
1880
1860
1840
1820
1800
1780

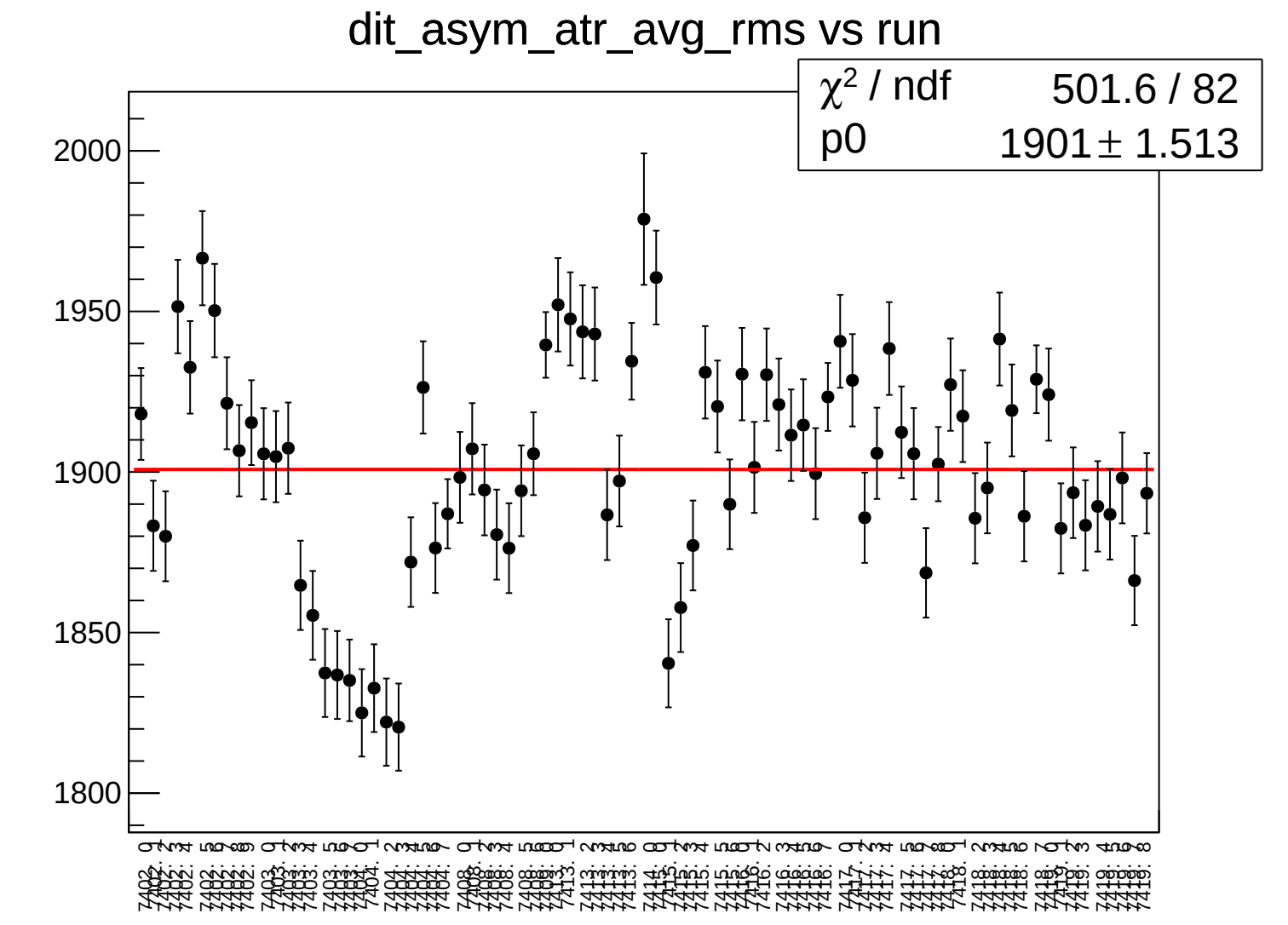

asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 79.94 / 82
p0 1091 ± 5263
×10³
pull
Entries 83
Mean −956.8
Std Dev 0

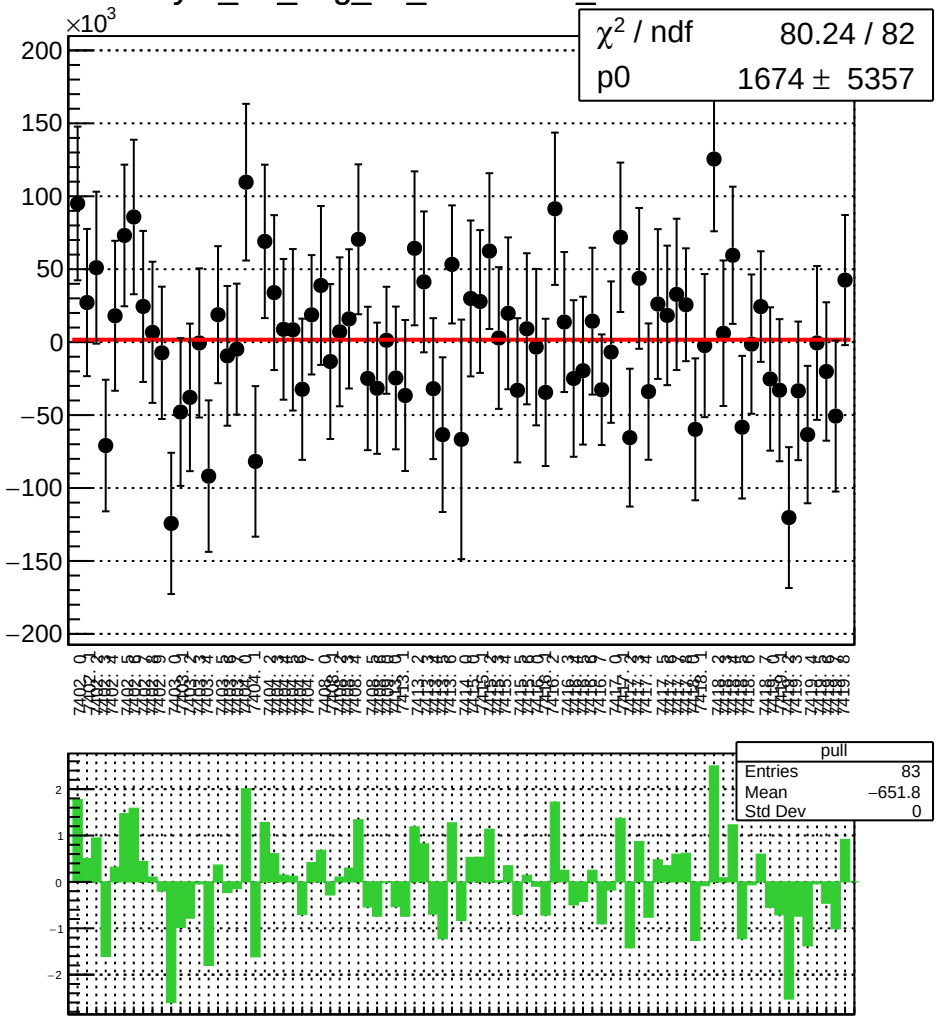

pull1D
Entries 83
Mean 0.002742
Std Dev 0.9814

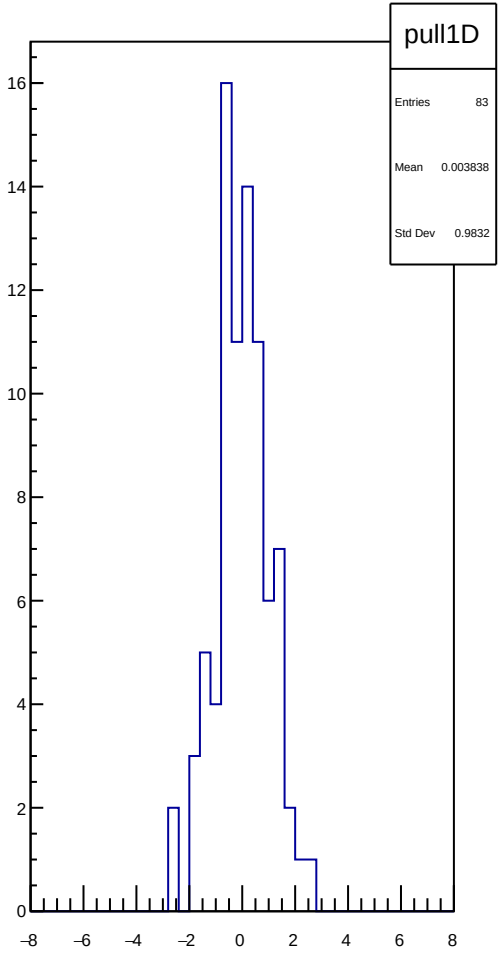

asym_atr_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 3423 / 82
p0 4671 ± 3.722
5600
5400
5200
5000
4800
4600
4400
4200

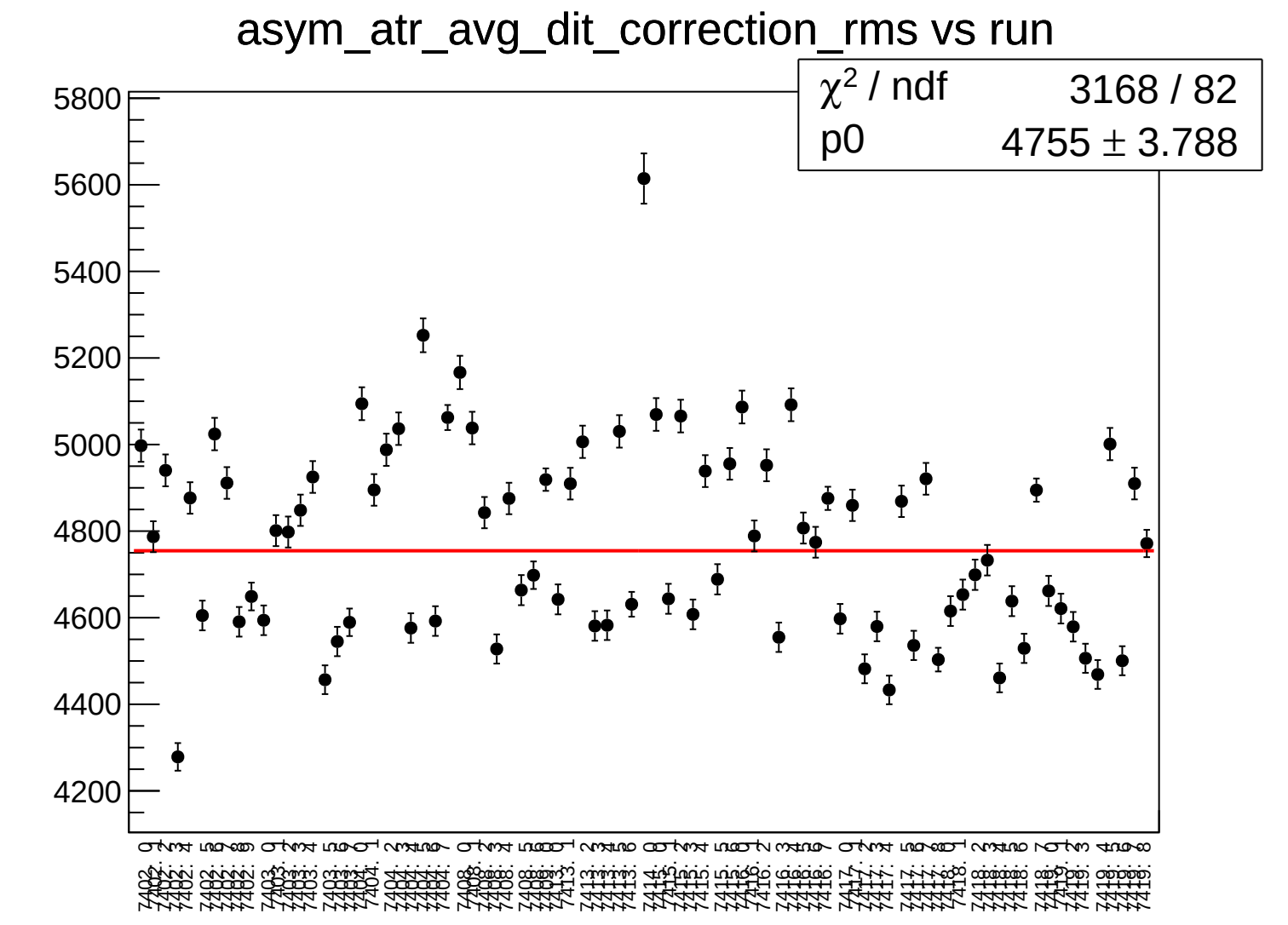

dit_asym_atr_avg_mean vs run
χ² / ndf 96.24 / 82
p0 7017 ± 2140
pull
Entries 83
Mean −3096
Std Dev 0

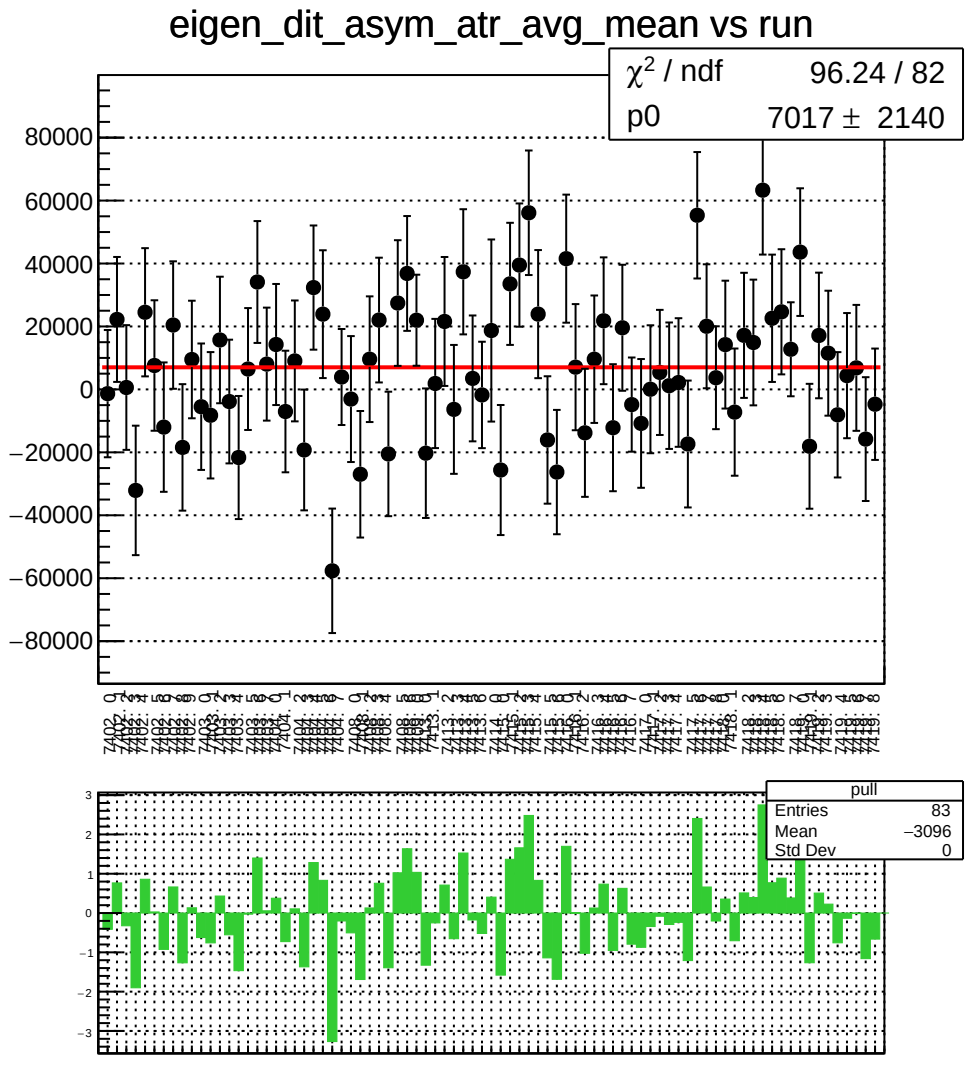

pull1D
Entries 83
Mean −0.001133
Std Dev 1.077

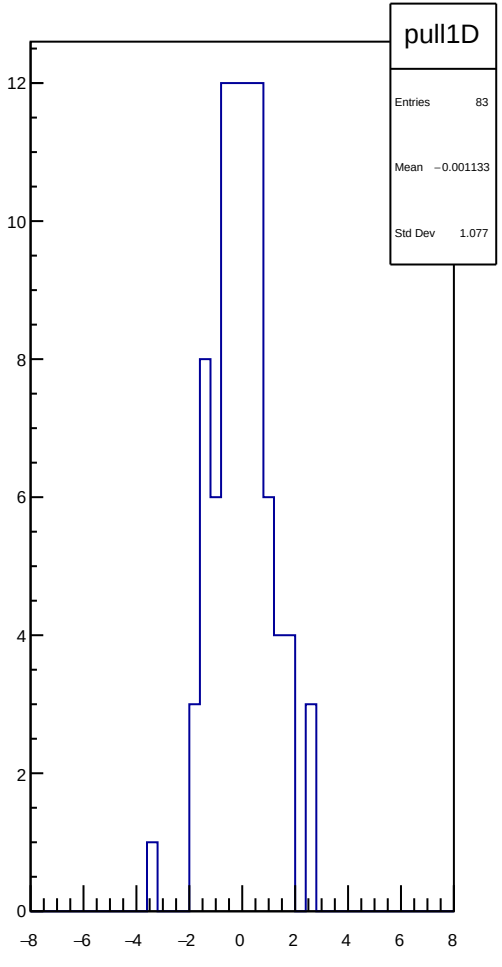

dit_asym_atr_avg_rms vs run
χ² / ndf 501.6 / 82
p0 1901 ± 1.513
2000
1950
1900
1850
1800

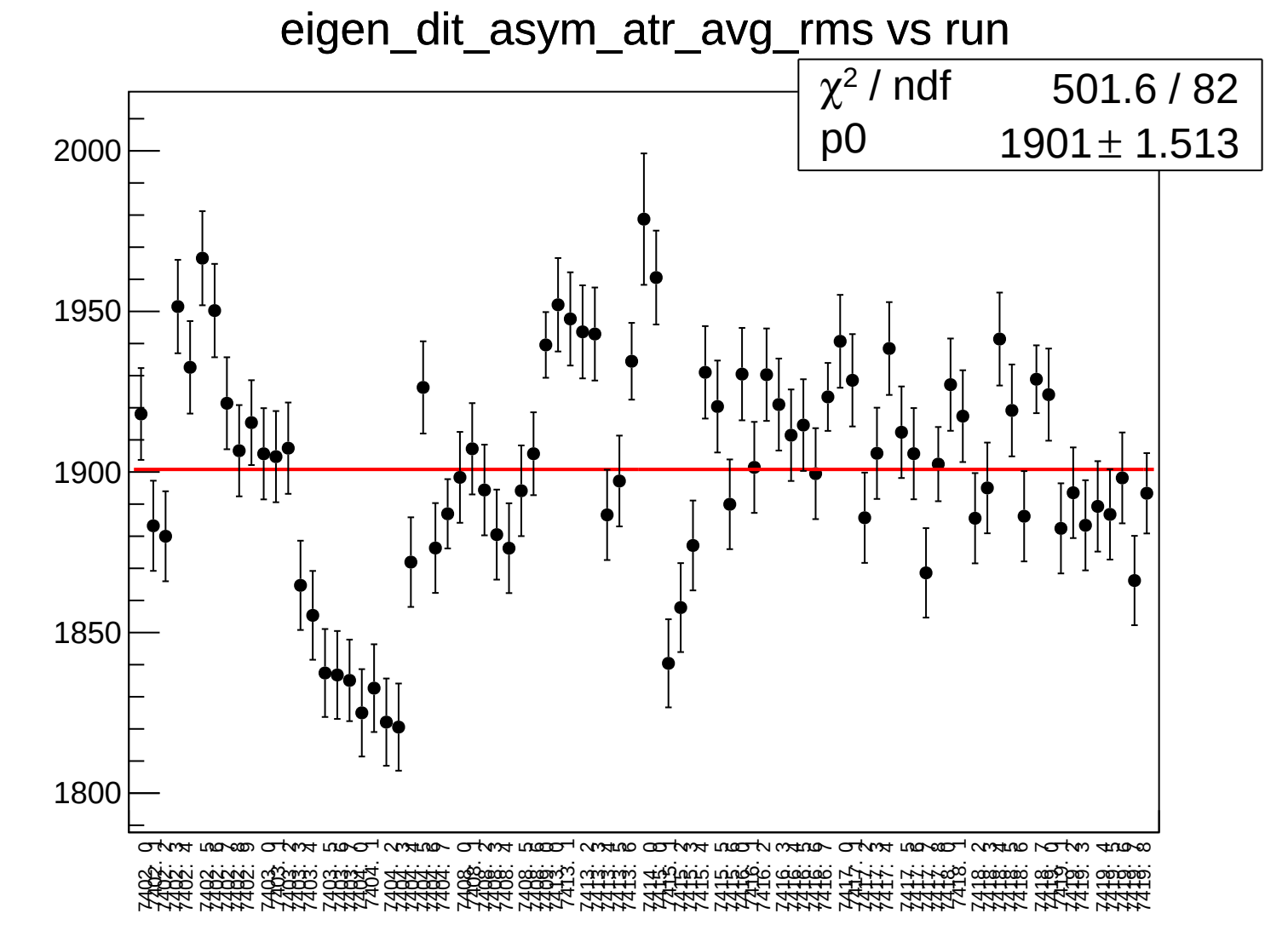

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 80.24 / 82
p0 1674 ± 5357
pull
Entries 83
Mean −651.8
Std Dev 0

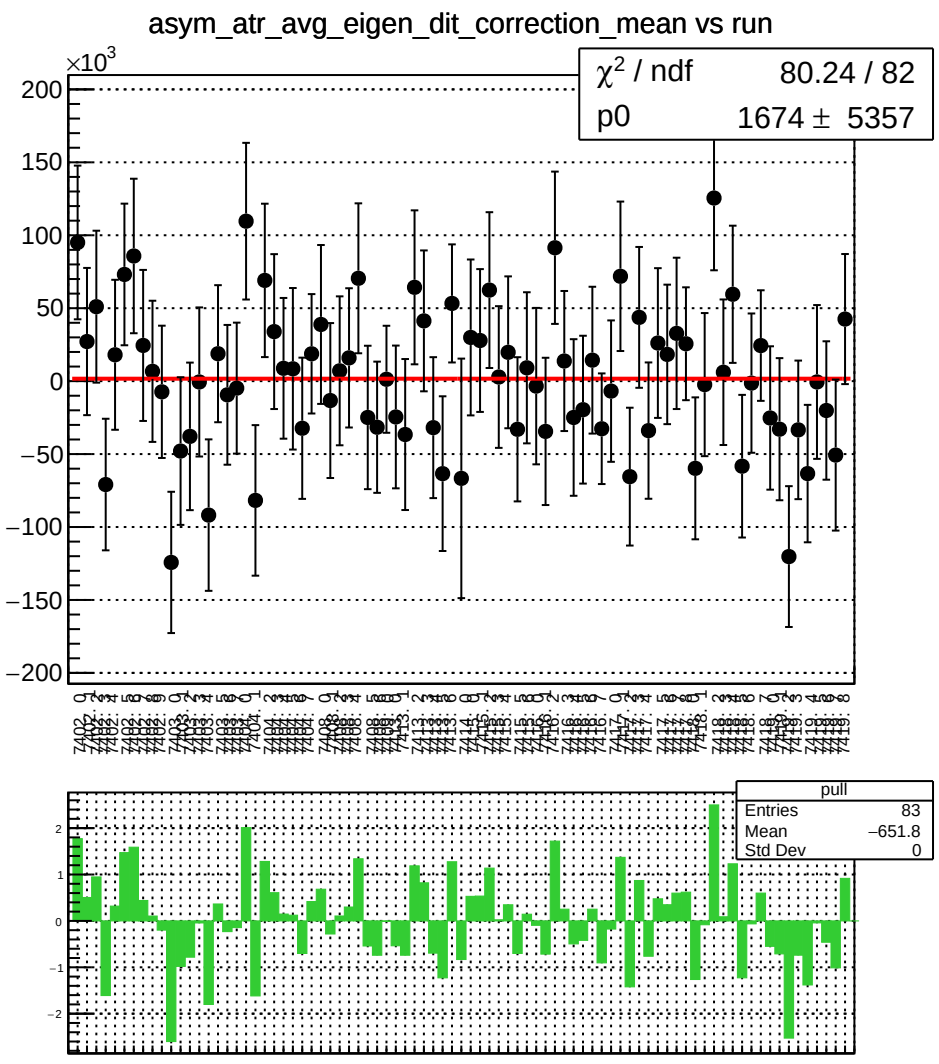

pull1D
Entries 83
Mean 0.003838
Std Dev 0.9832

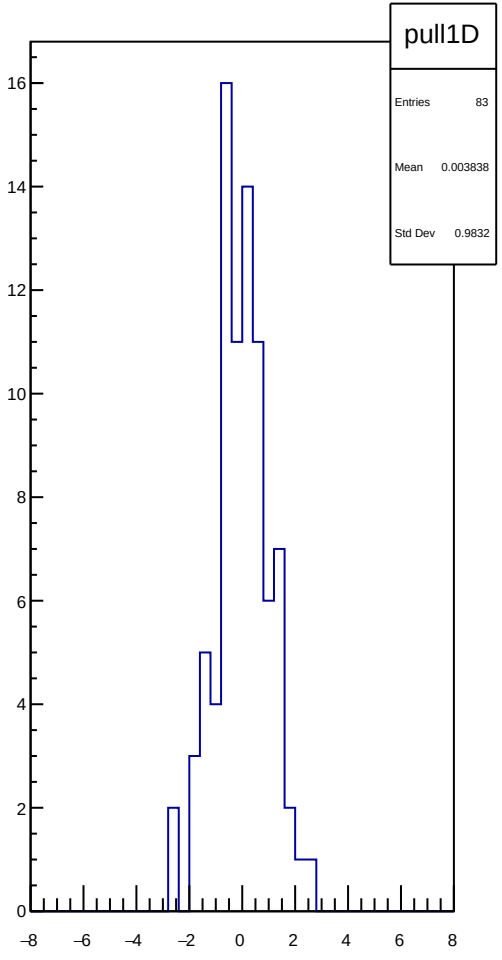

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 3168 / 82
p0 4755 ± 3.788
5800
5600
5400
5200
5000
4800
4600
4400
4200

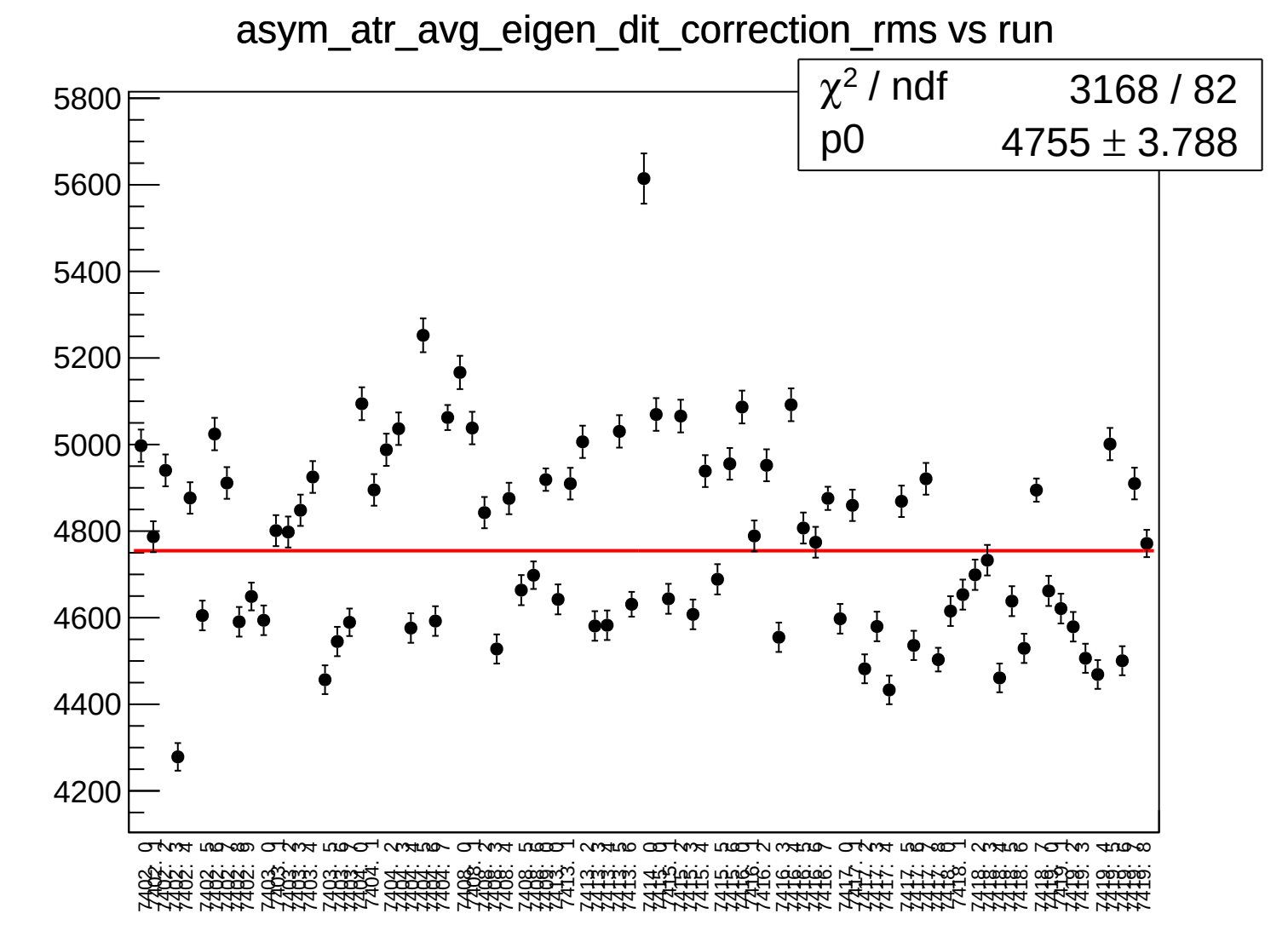

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 96.24 / 82
p0 7017 ± 2140
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −3096
Std Dev 0
3
2
1
0
−1
−2
−3

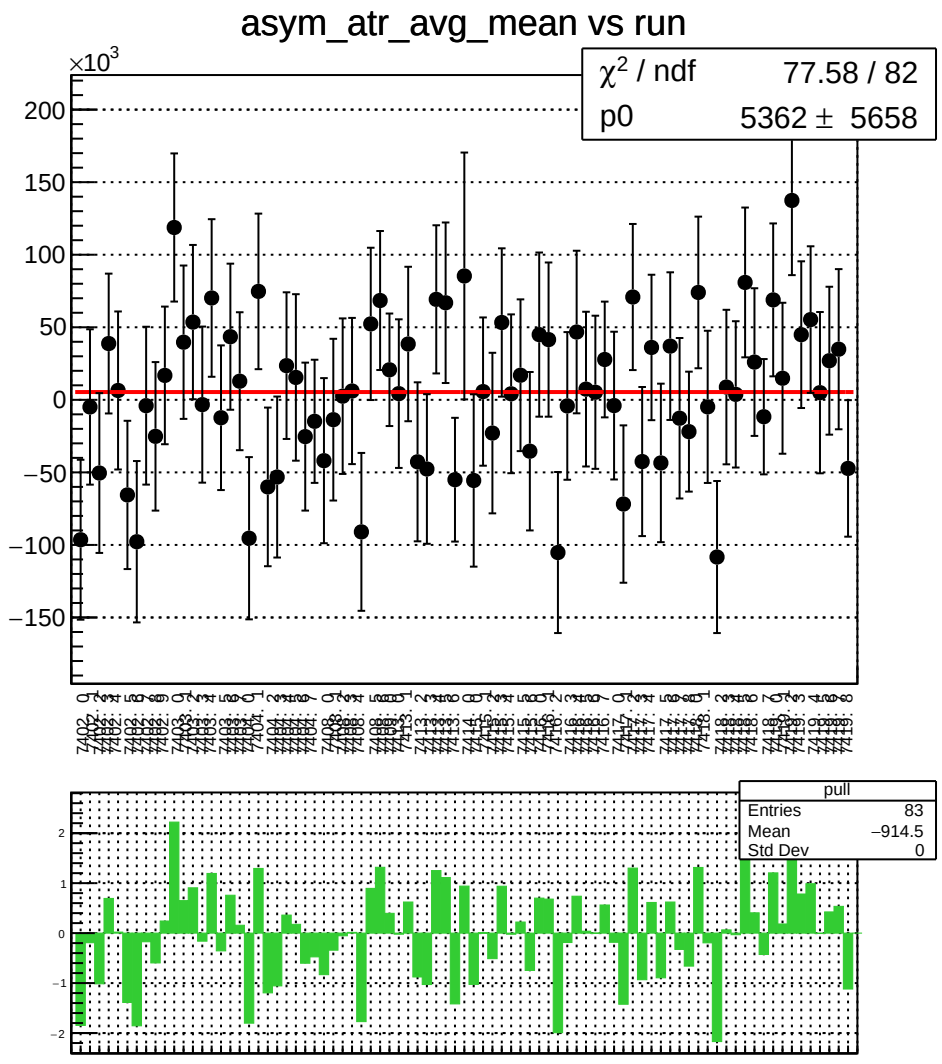

pull1D
Entries 83
Mean −0.001133
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

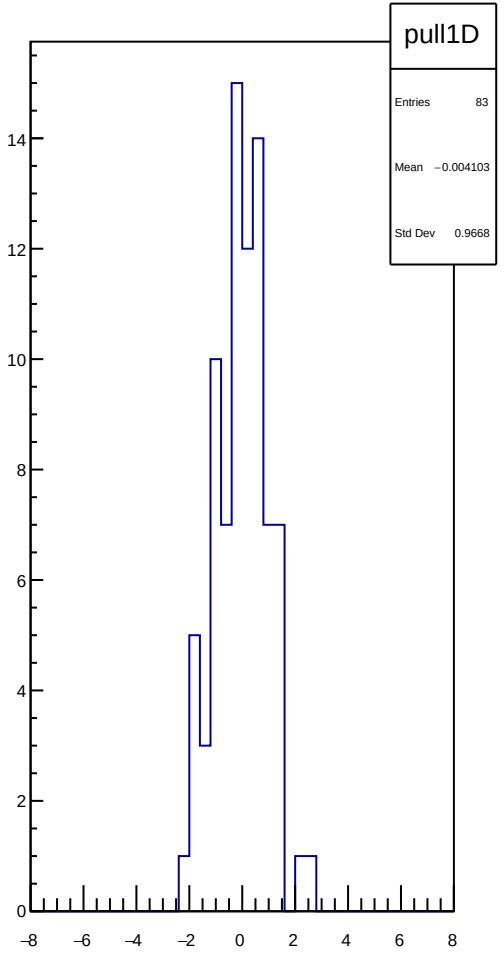

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 501.6 / 82
p0 1901 ± 1.513
2000
1950
1900
1850
1800

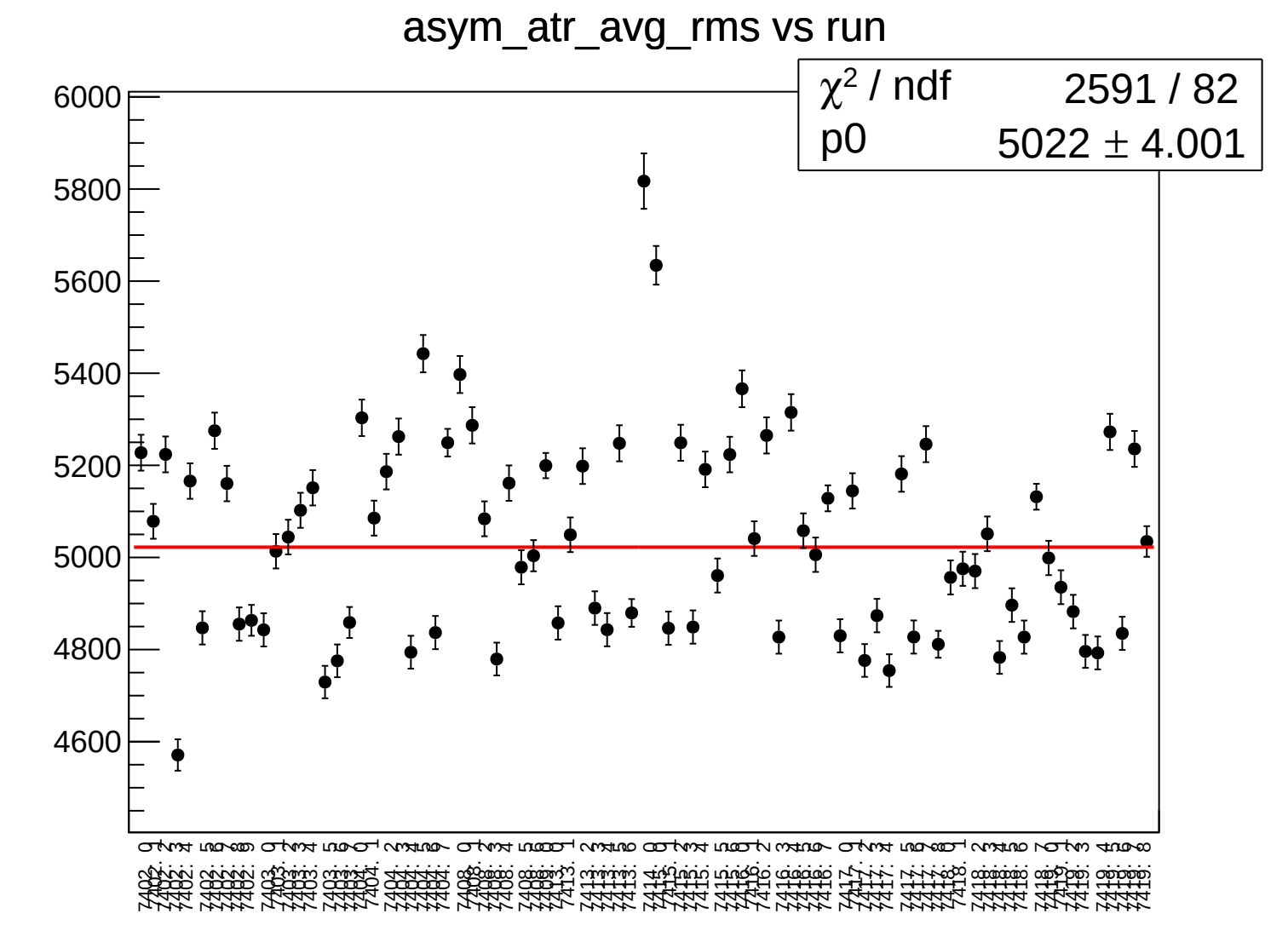

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.24 / 82
p0 1674 ± 5357
pull
Entries 83
Mean −651.8
Std Dev 0

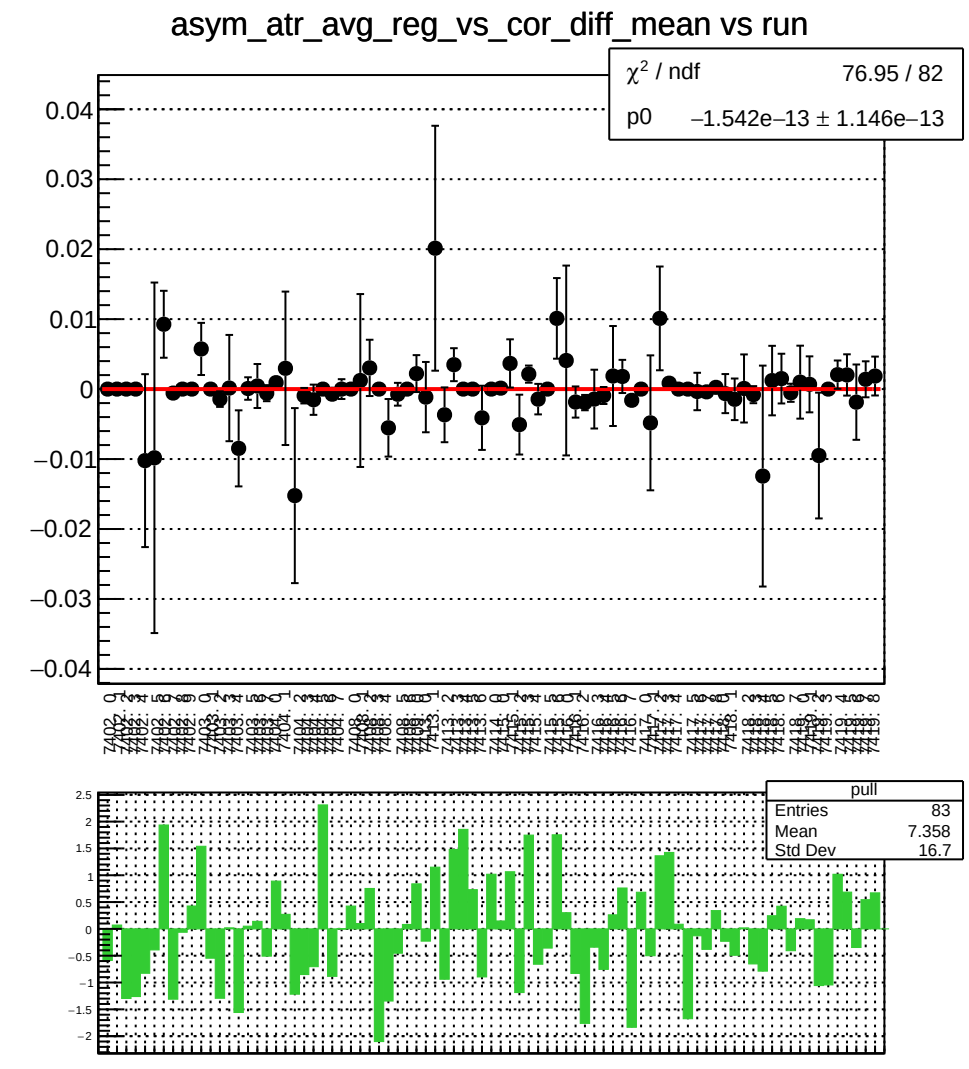

pull1D
Entries 83
Mean 0.003838
Std Dev 0.9832

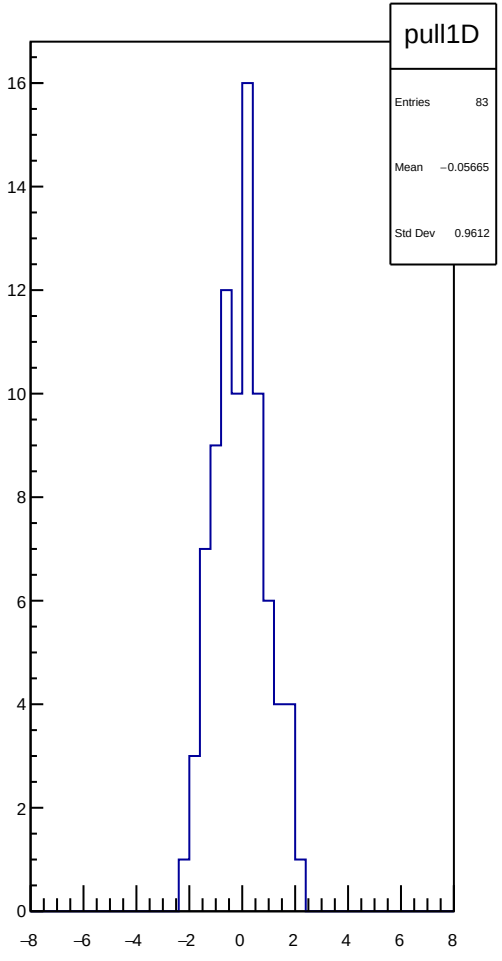

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 3168 / 82
p0 4755 ± 3.788
5800
5600
5400
5200
5000
4800
4600
4400
4200

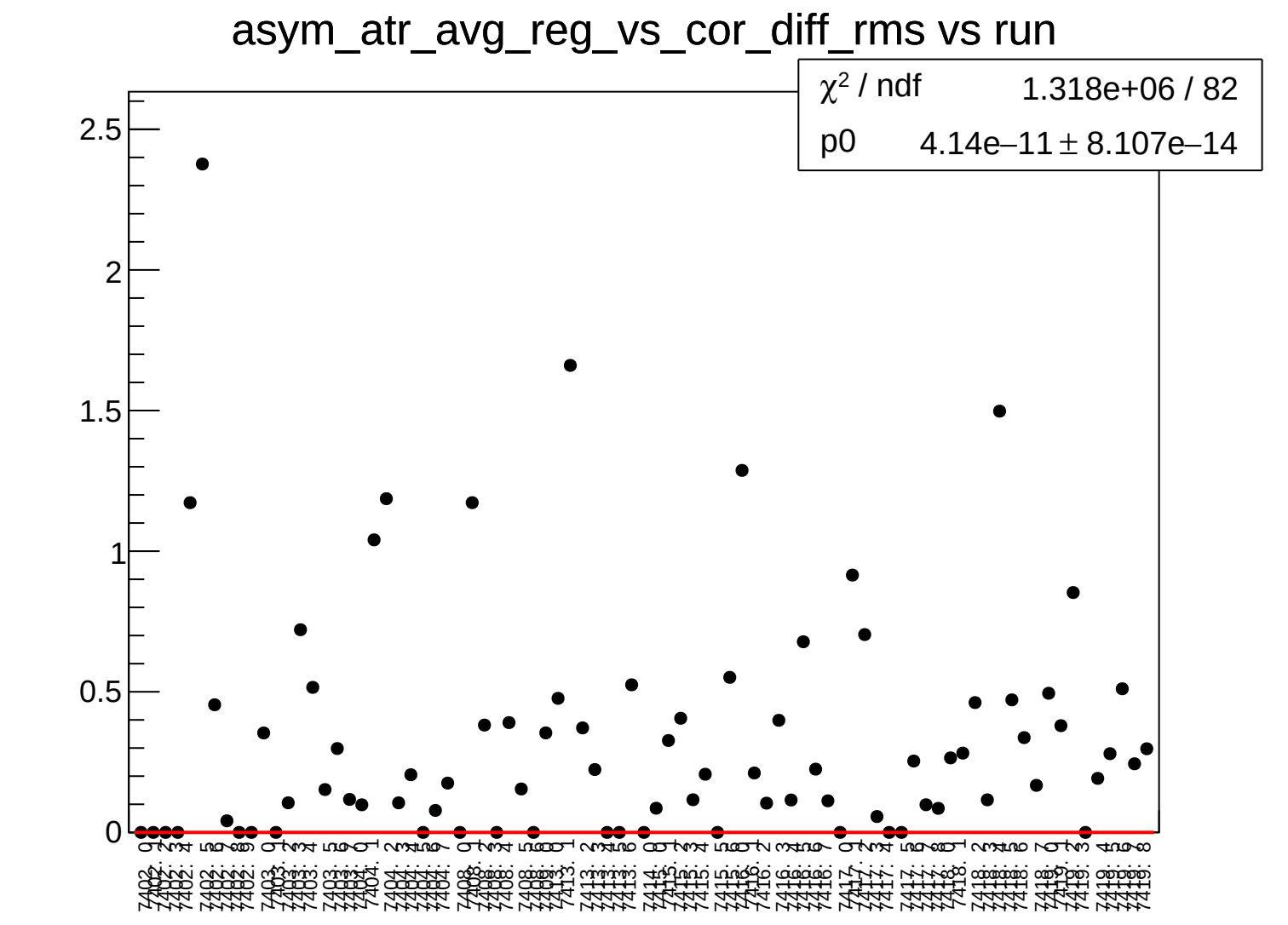

asym_atr_avg_mean vs run
×10^3
χ² / ndf 77.58 / 82
p0 5362 ± 5658
pull
Entries 83
Mean −914.5
Std Dev 0

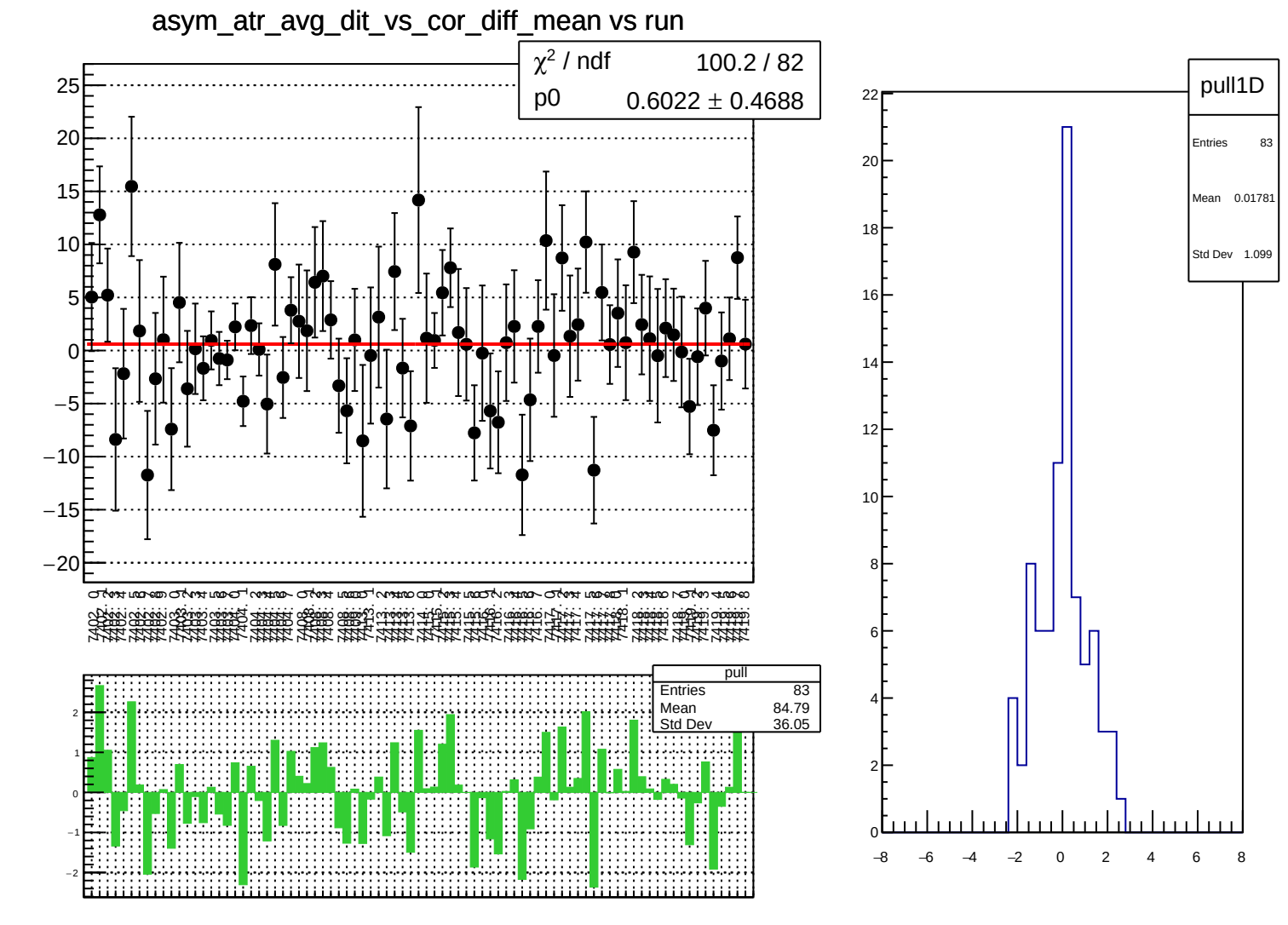

pull1D
Entries 83
Mean −0.004103
Std Dev 0.9668

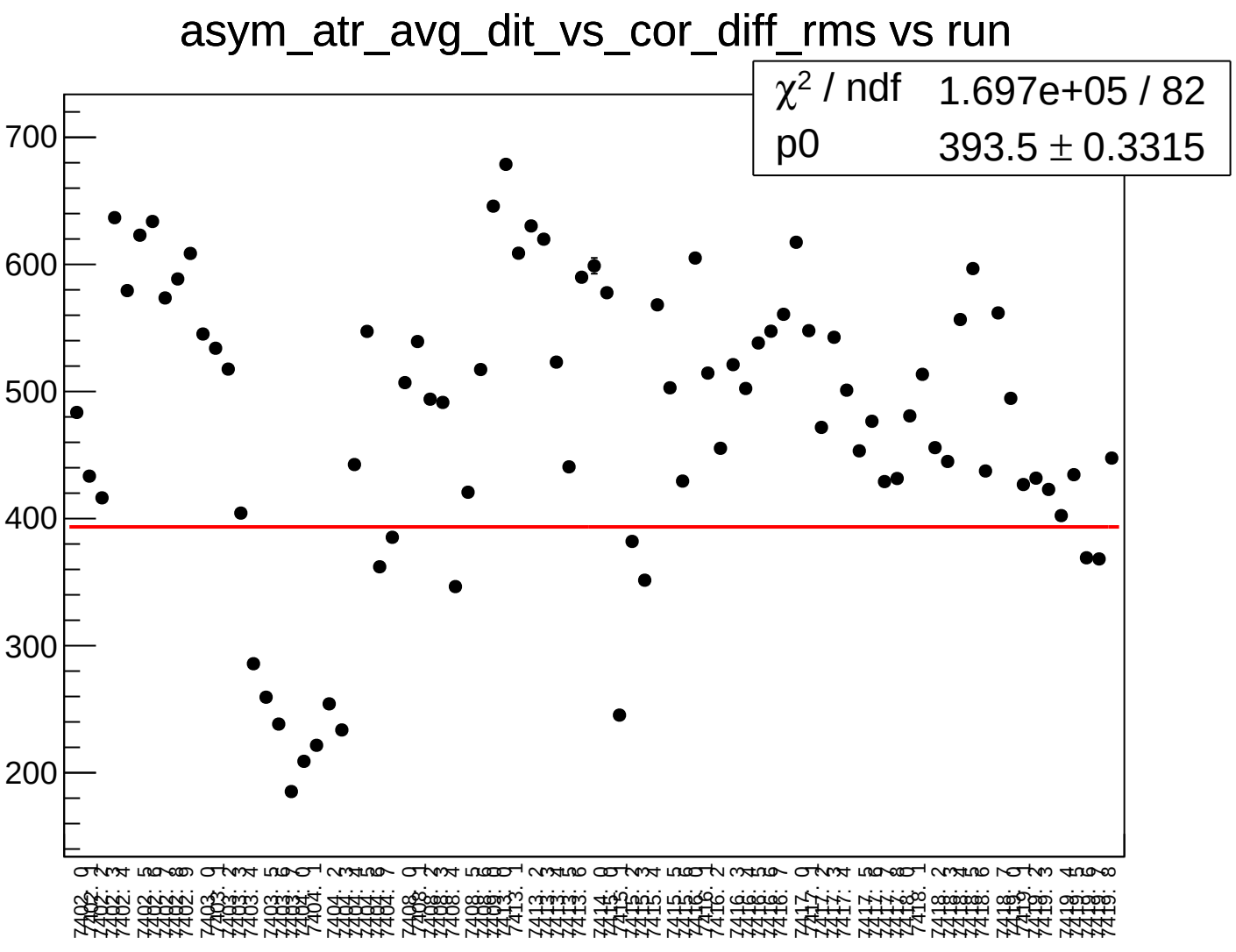

asym_atr_avg_rms vs run
χ^2 / ndf 2591 / 82
p0 5022 ± 4.001
6000
5800
5600
5400
5200
5000
4800
4600

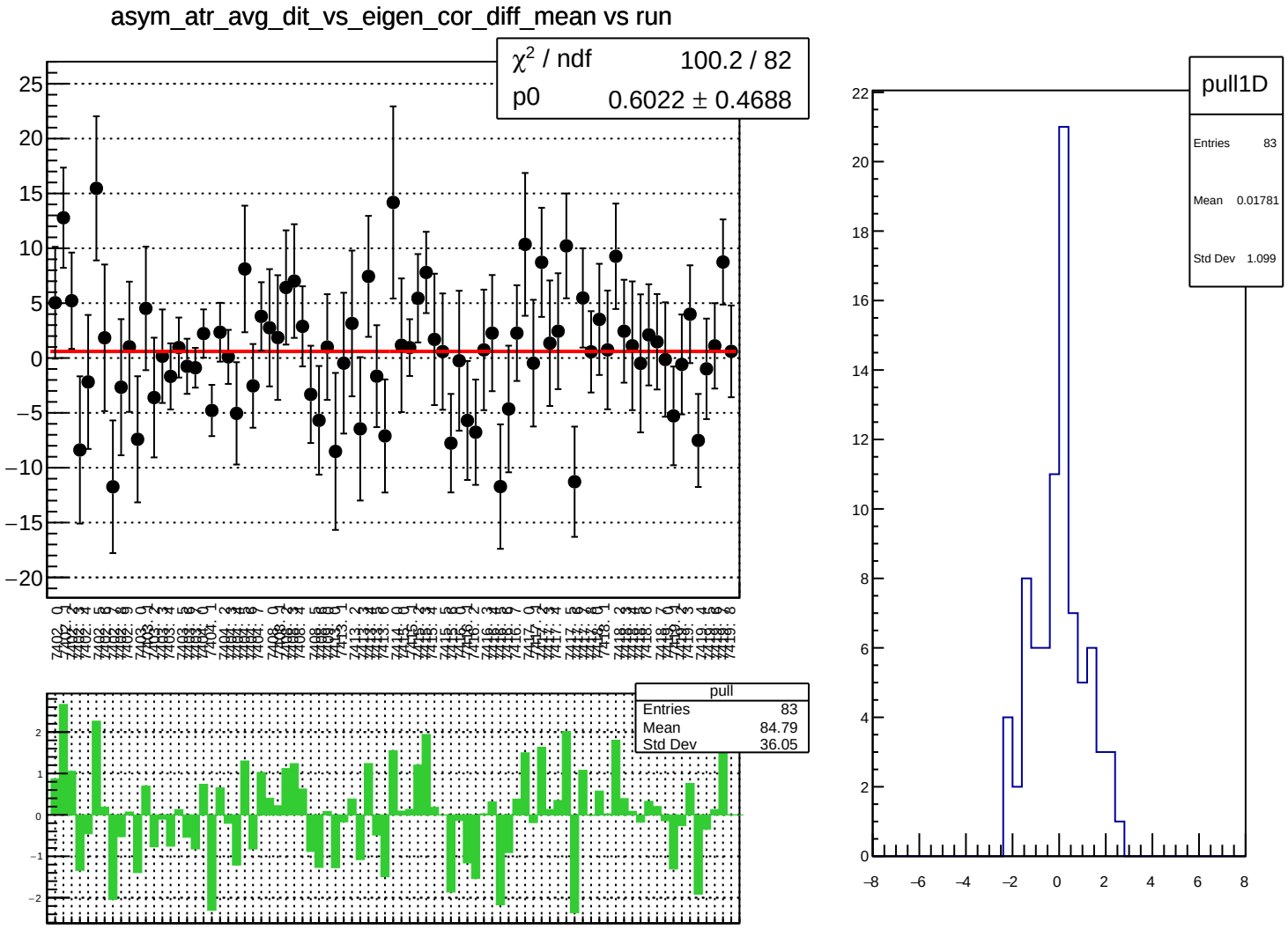

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.95 / 82
p0 −1.542e−13 ± 1.146e−13
pull
Entries 83
Mean 7.358
Std Dev 16.7

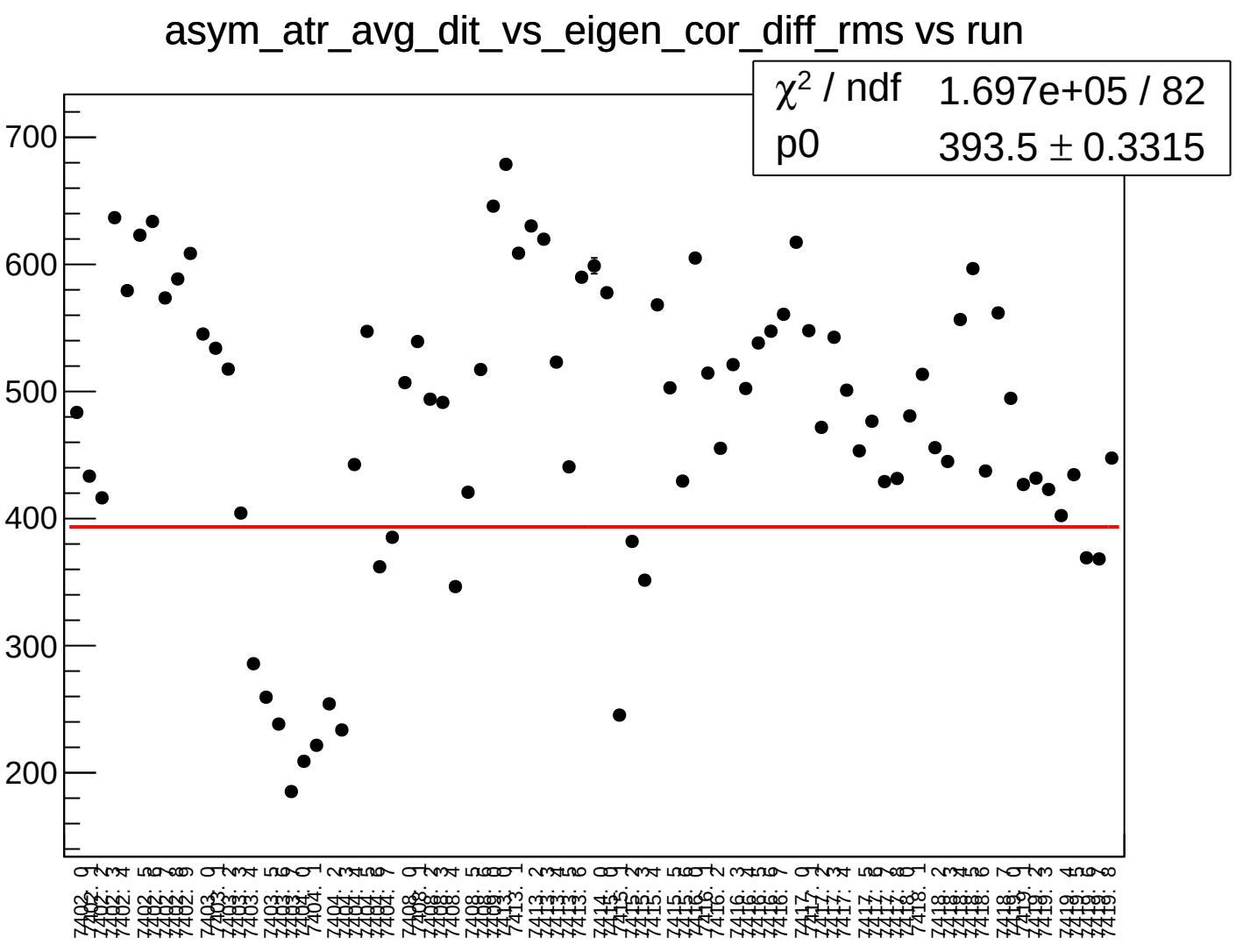

pull1D
Entries 83
Mean −0.05665
Std Dev 0.9612

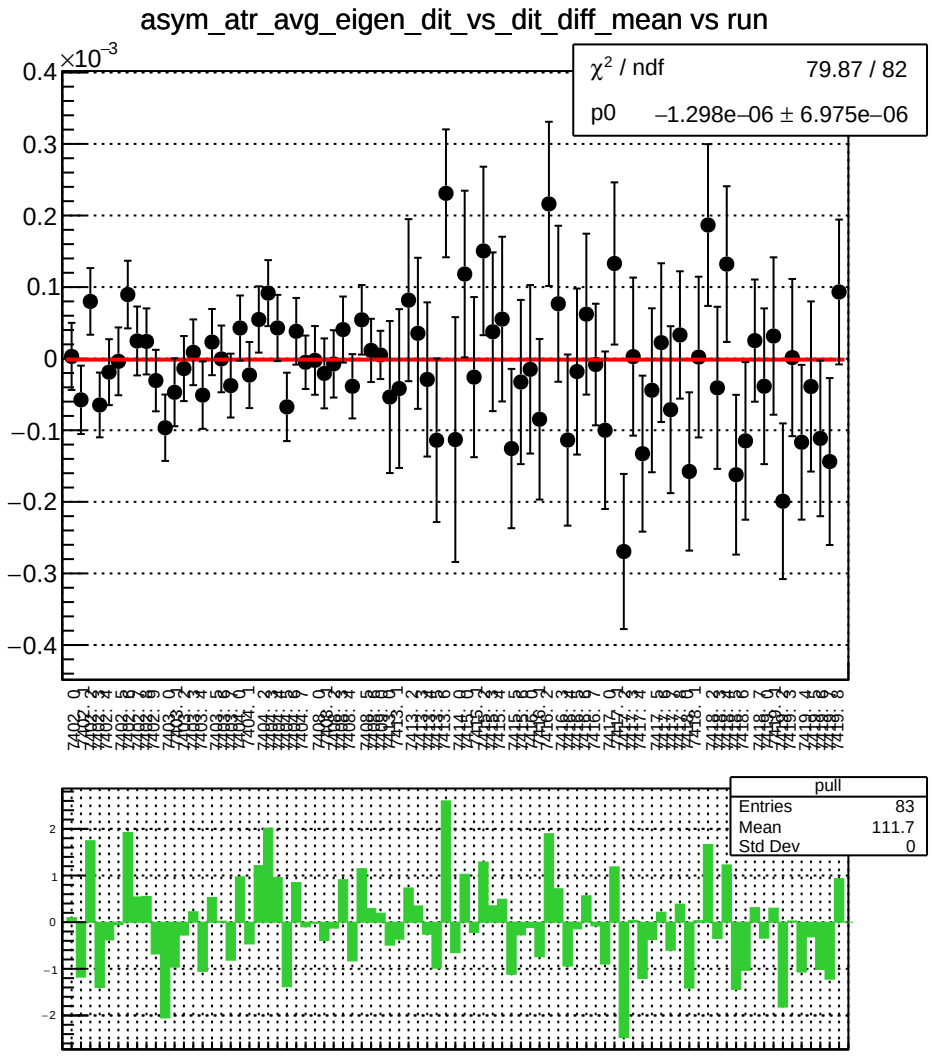

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.318e+06 / 82
p0 4.14e−11 ± 8.107e−14
2.5
2
1.5
1
0.5
0

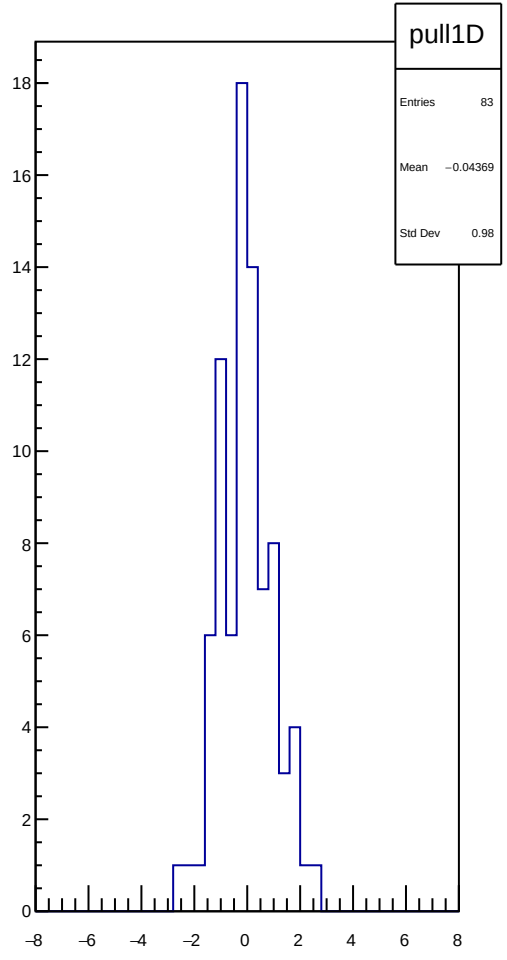

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.6022 ± 0.4688
pull
Entries 83
Mean 84.79
Std Dev 36.05
pull1D
Entries 83
Mean 0.01781
Std Dev 1.099

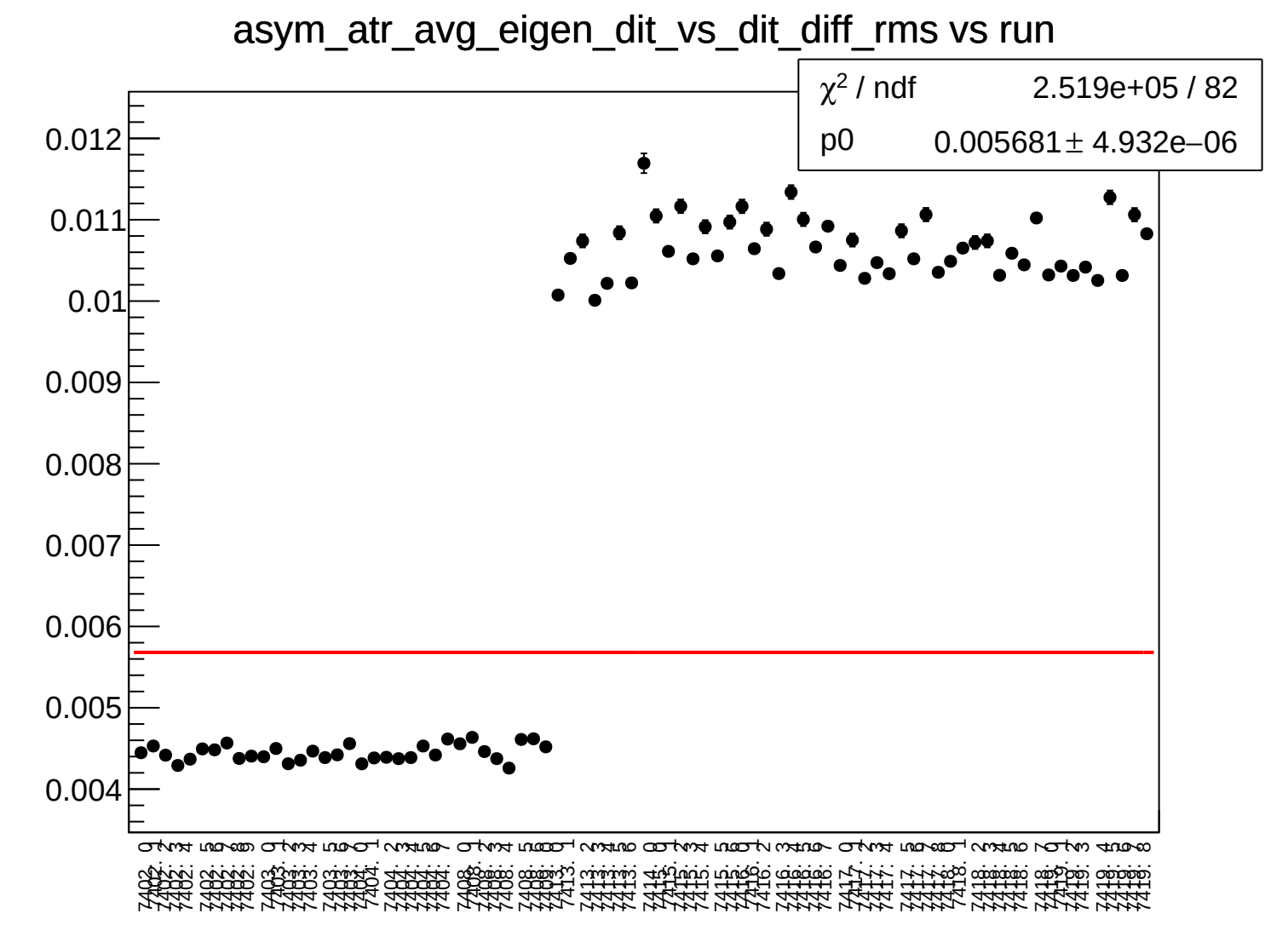

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.697e+05 / 82
p0 393.5 ± 0.3315
700
600
500
400
300
200

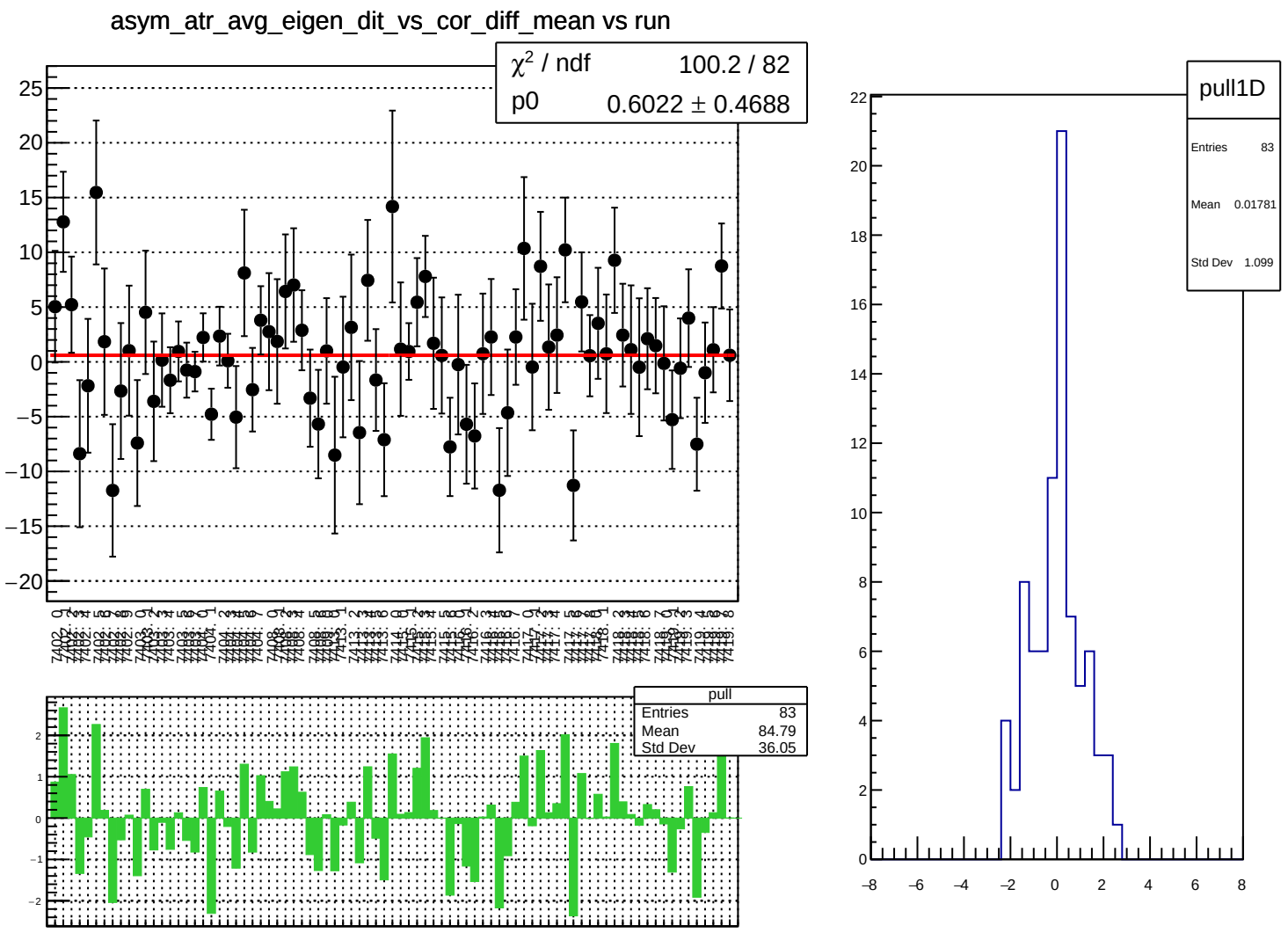

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.6022 ± 0.4688
pull
Entries 83
Mean 84.79
Std Dev 36.05
pull1D
Entries 83
Mean 0.01781
Std Dev 1.099

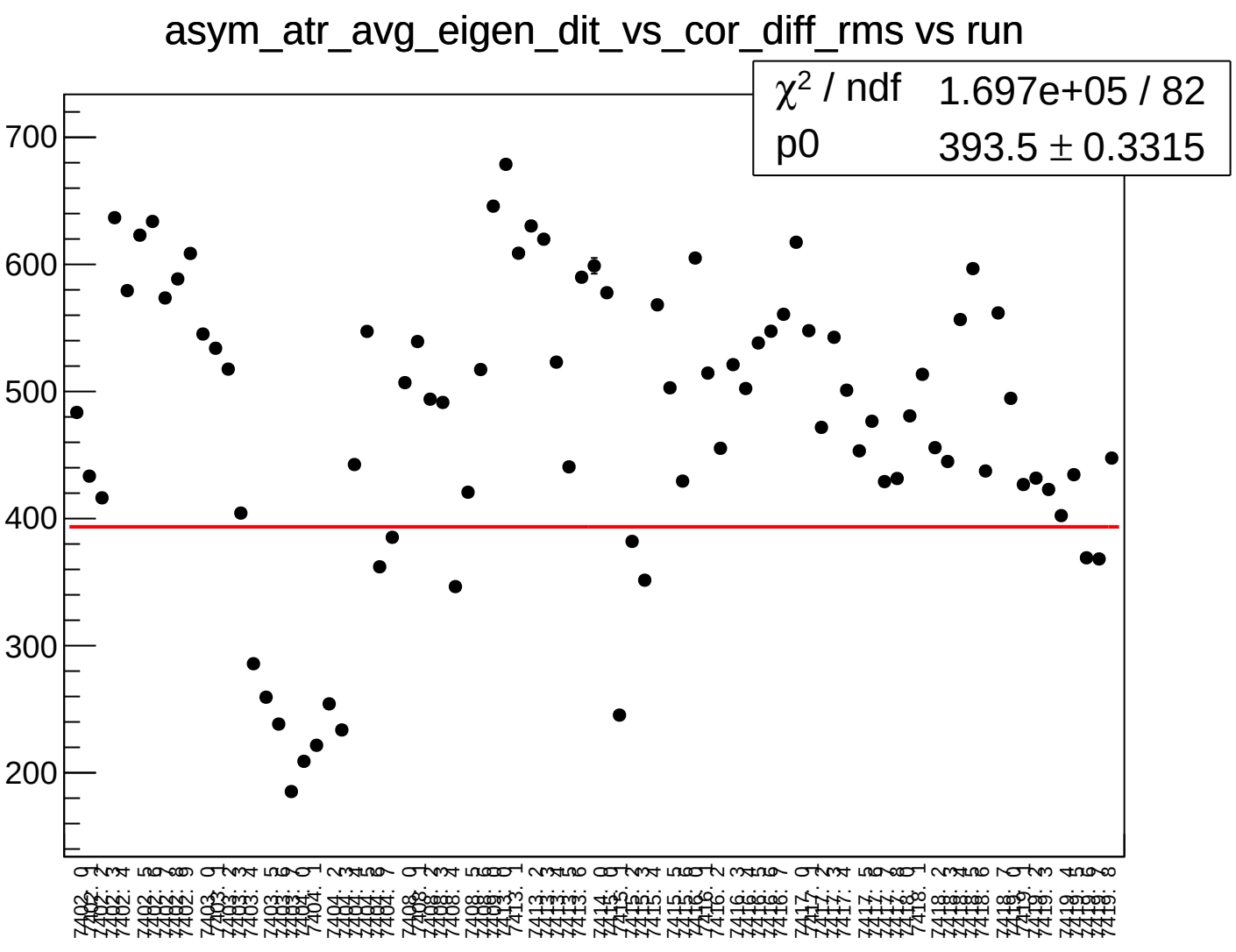

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.697e+05 / 82
p0 393.5 ± 0.3315
700
600
500
400
300
200

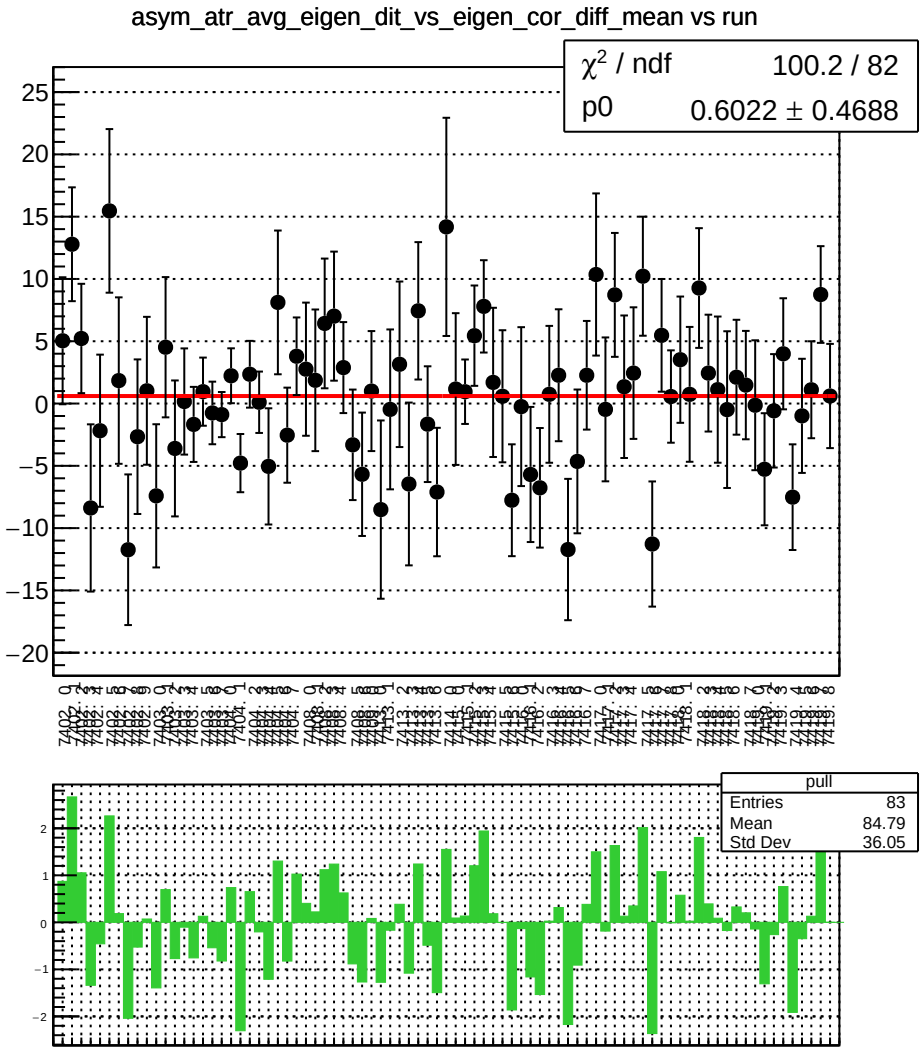

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.87 / 82
p0 −1.298e−06 ± 6.975e−06
pull
Entries 83
Mean 111.7
Std Dev 0

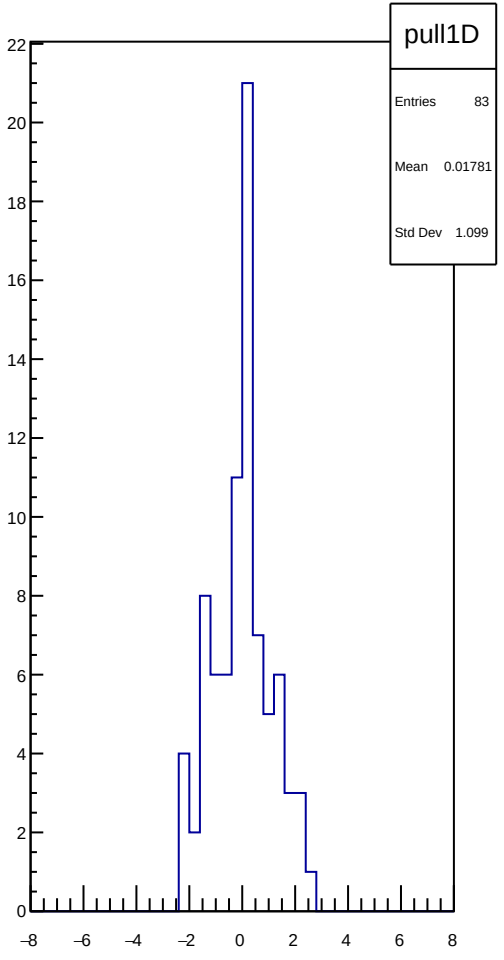

pull1D
Entries 83
Mean −0.04369
Std Dev 0.98

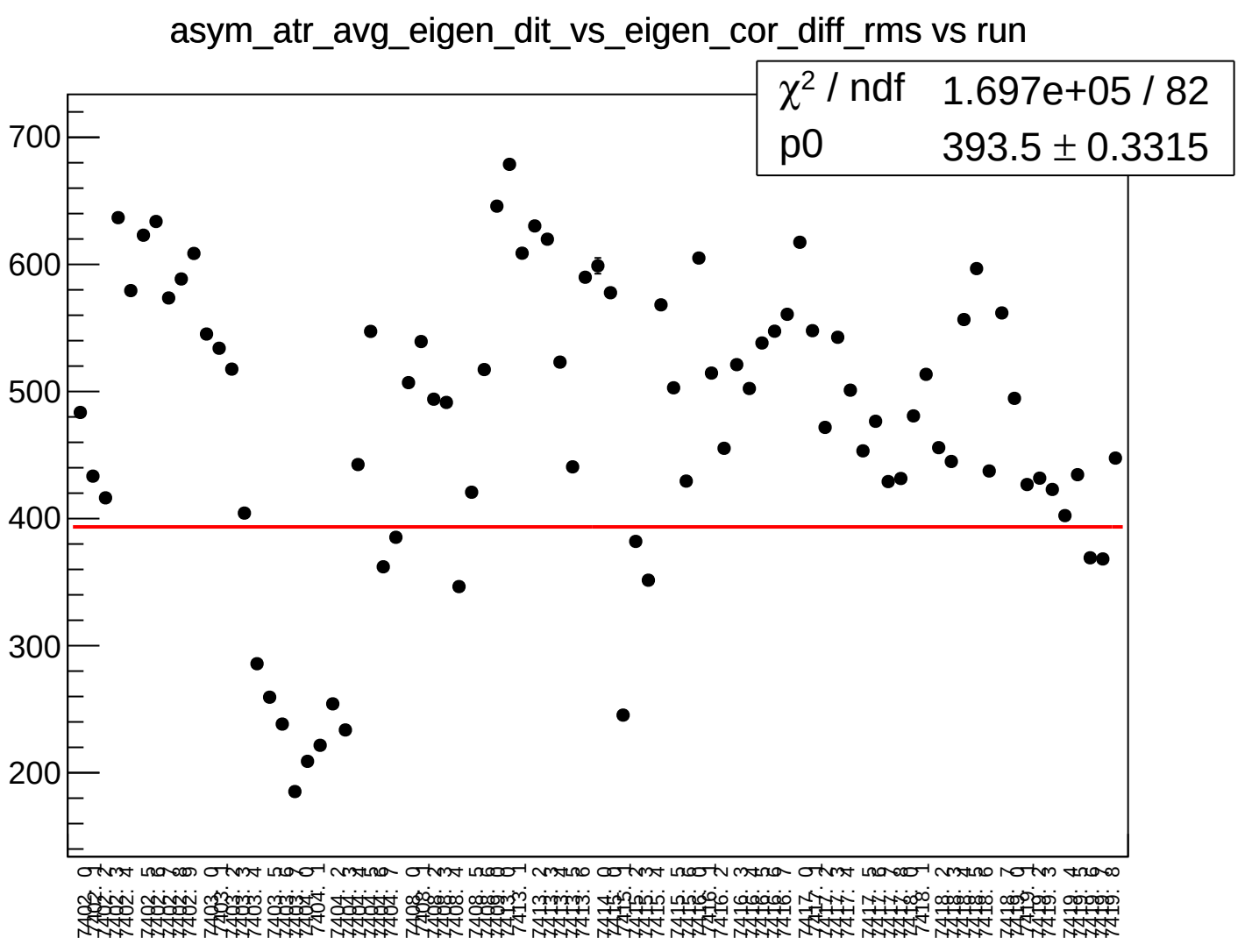

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.519e+05 / 82
p0 0.005681 ± 4.932e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

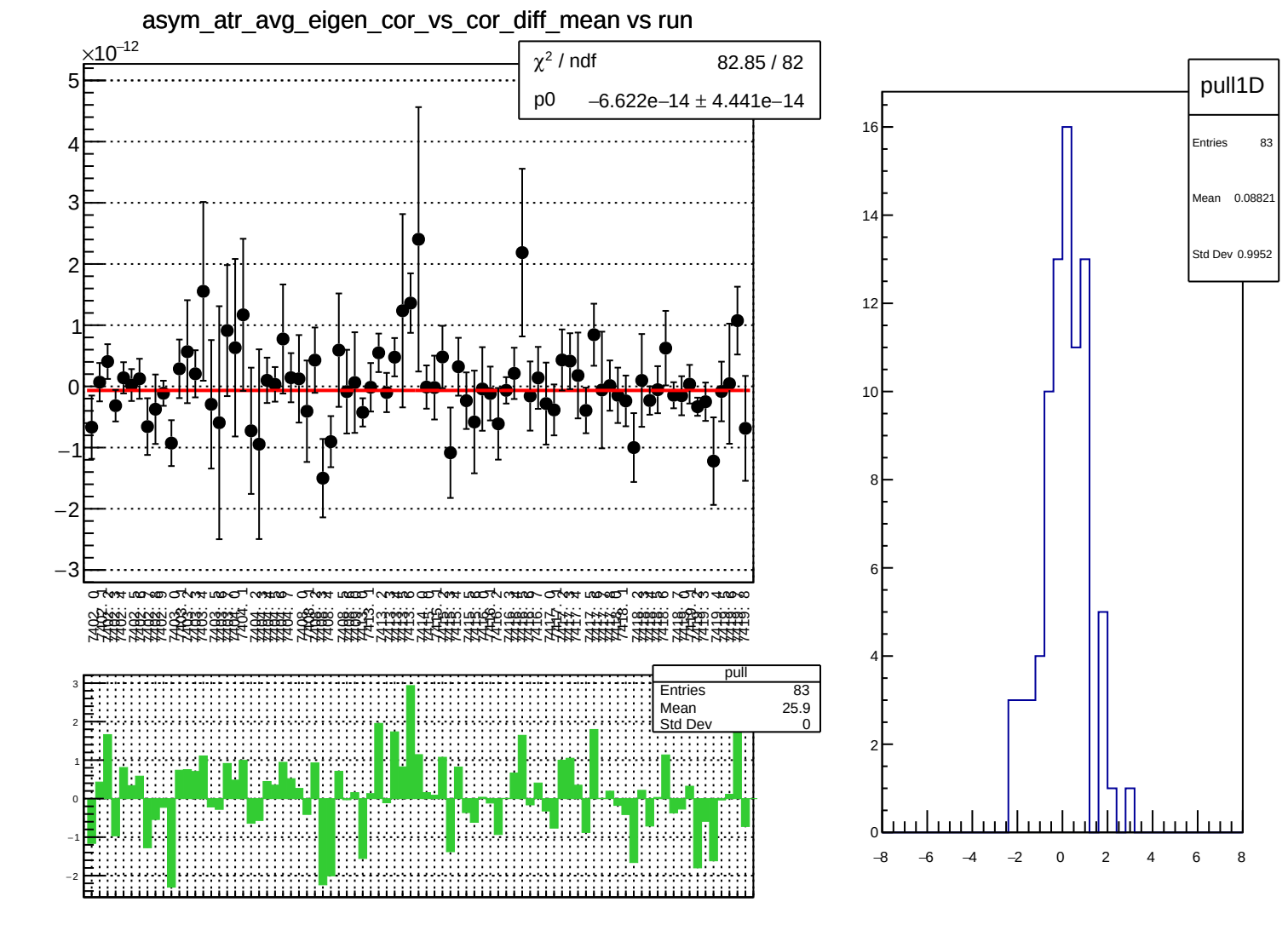

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.6022 ± 0.4688
pull
Entries 83
Mean 84.79
Std Dev 36.05
pull1D
Entries 83
Mean 0.01781
Std Dev 1.099

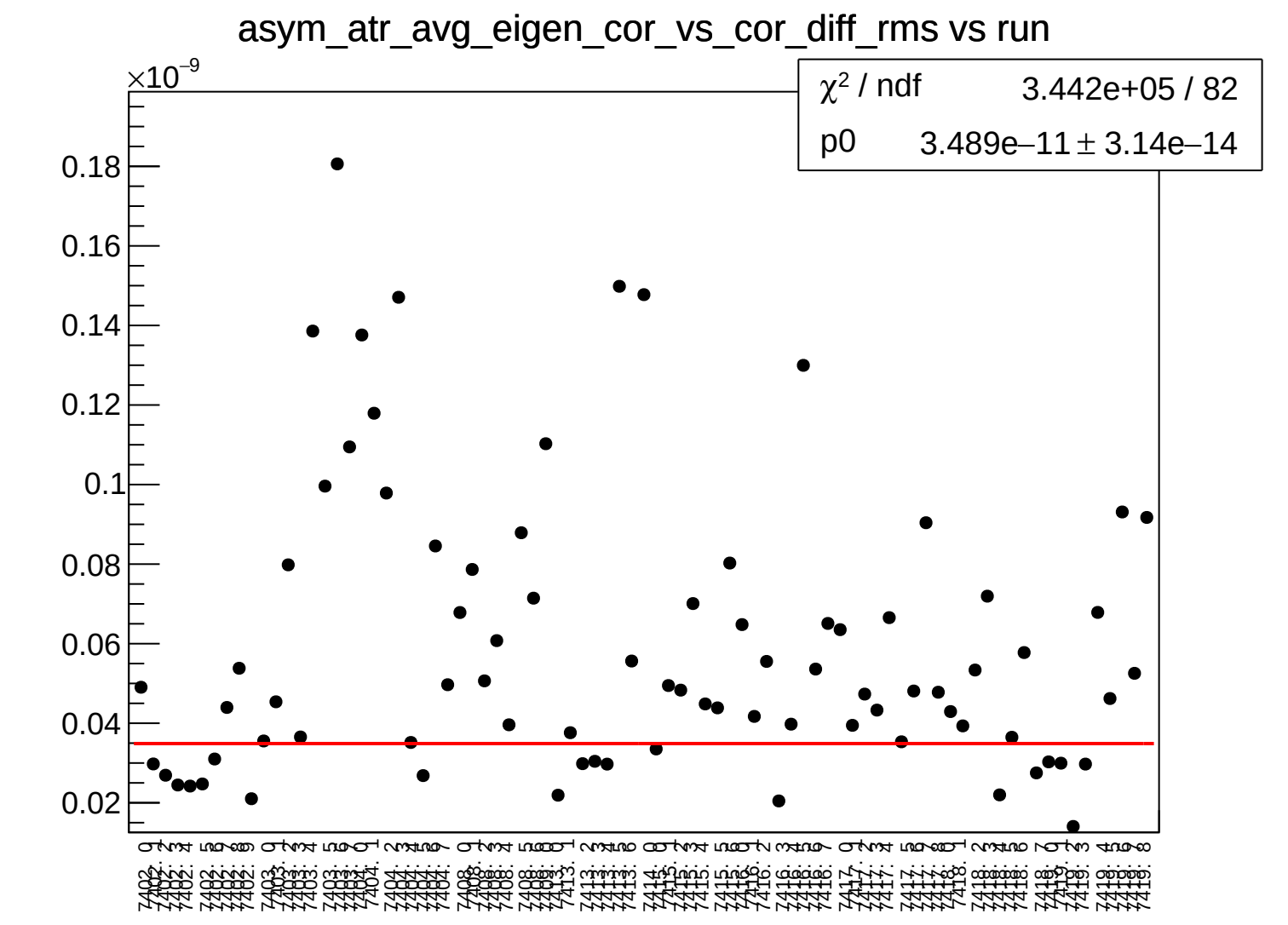

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.697e+05 / 82
p0 393.5 ± 0.3315
700
600
500
400
300
200

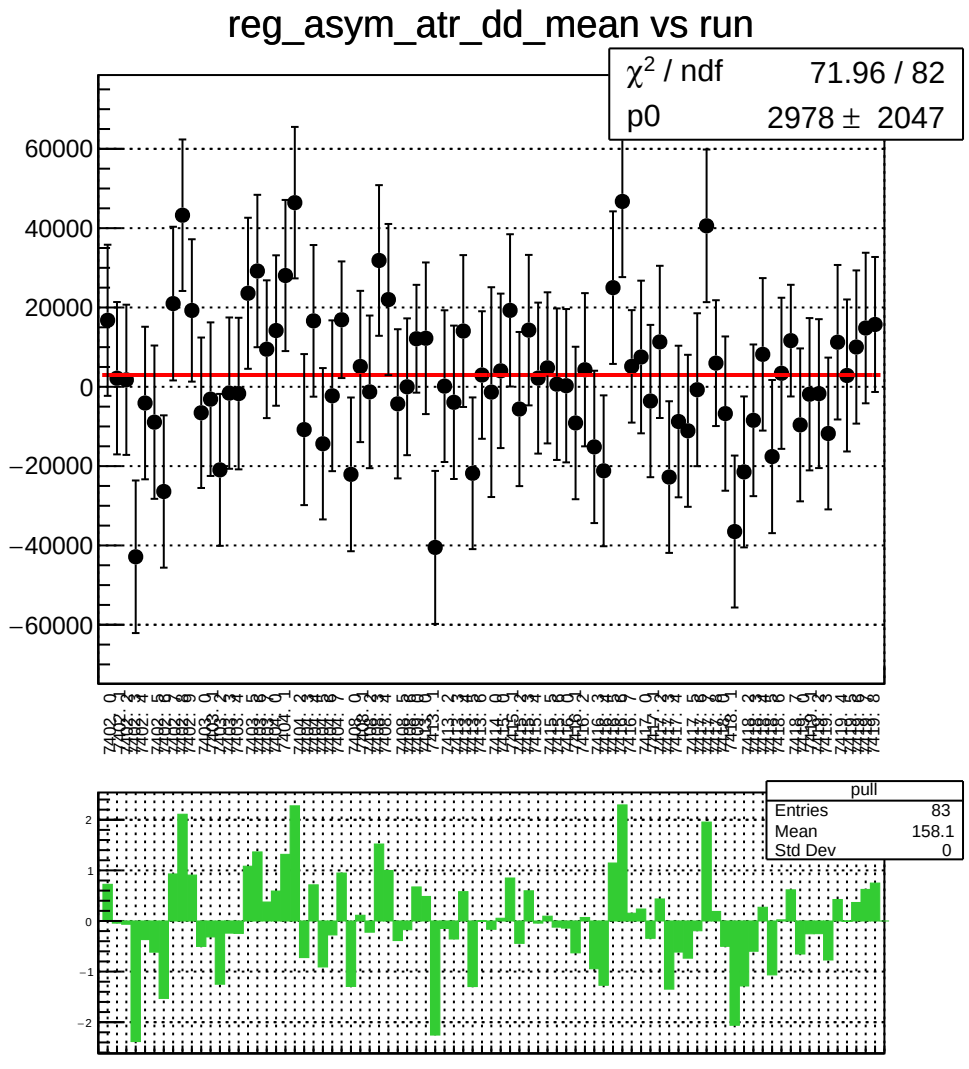

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.2 / 82
p0 0.6022 ± 0.4688
pull
Entries 83
Mean 84.79
Std Dev 36.05

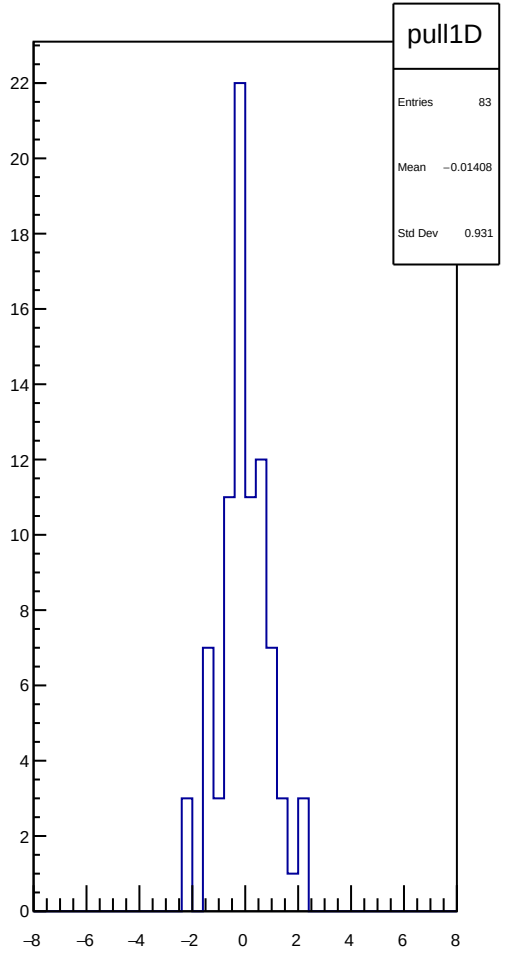

pull1D
Entries 83
Mean 0.01781
Std Dev 1.099

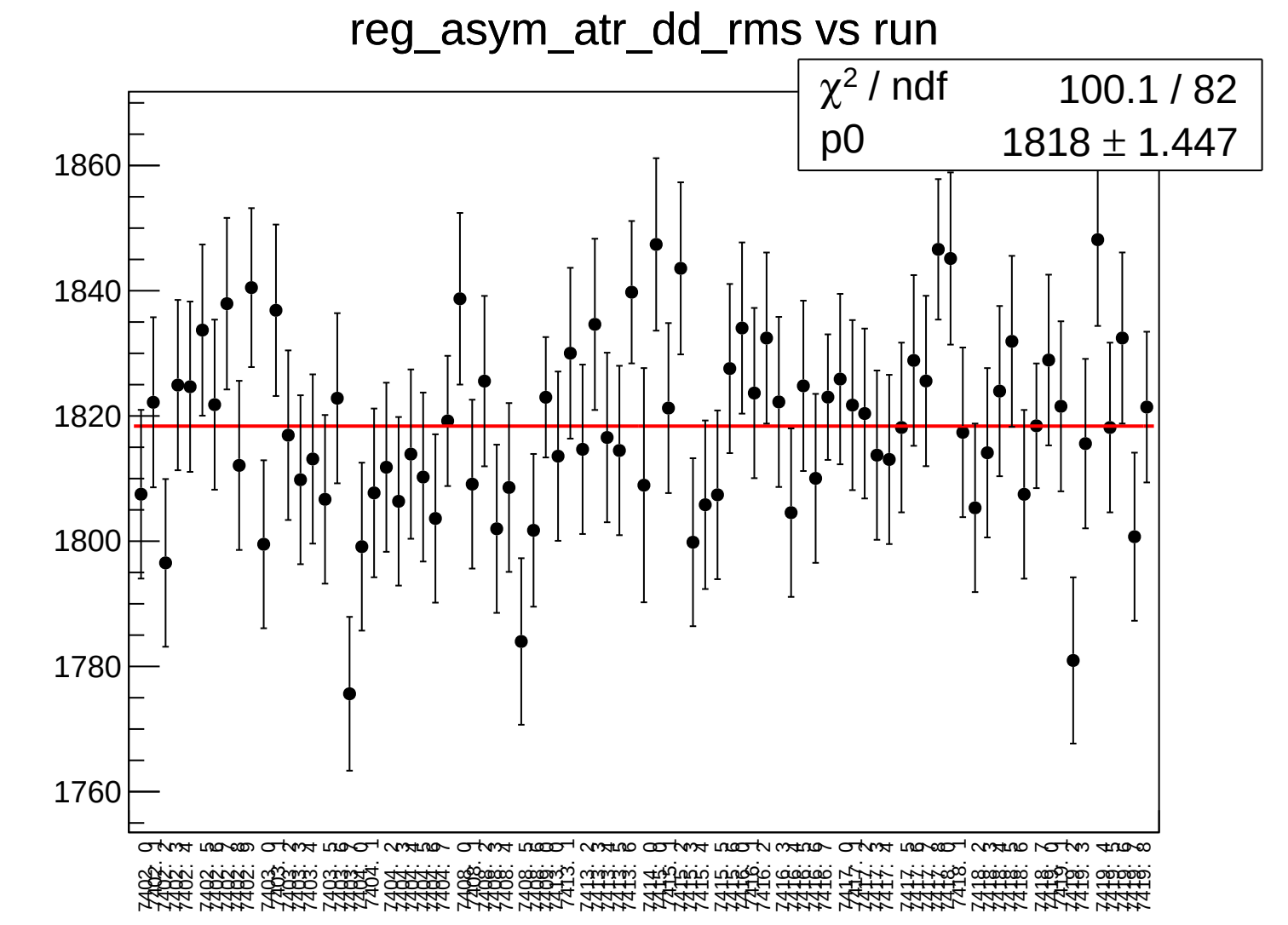

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.697e+05 / 82
p0 393.5 ± 0.3315
700
600
500
400
300
200

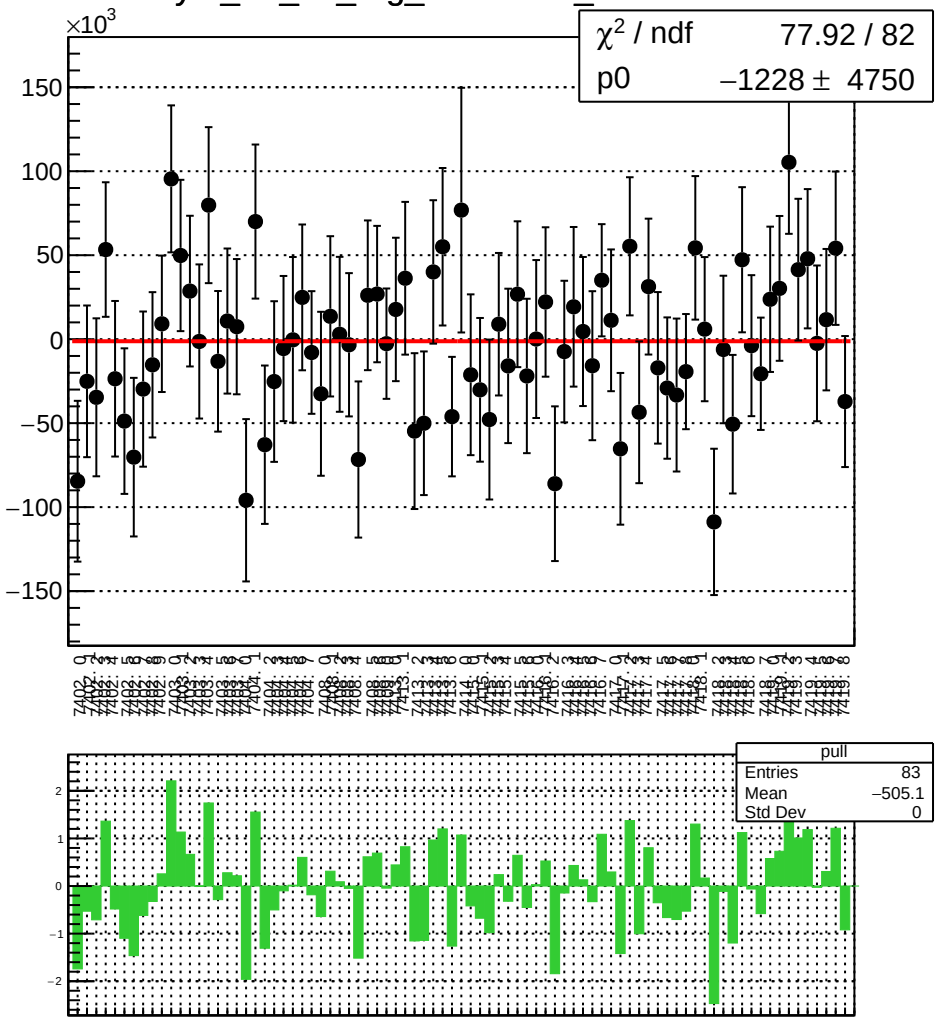

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.85 / 82
p0 −6.622e−14 ± 4.441e−14
pull
Entries 83
Mean 25.9
Std Dev 0
pull1D
Entries 83
Mean 0.08821
Std Dev 0.9952

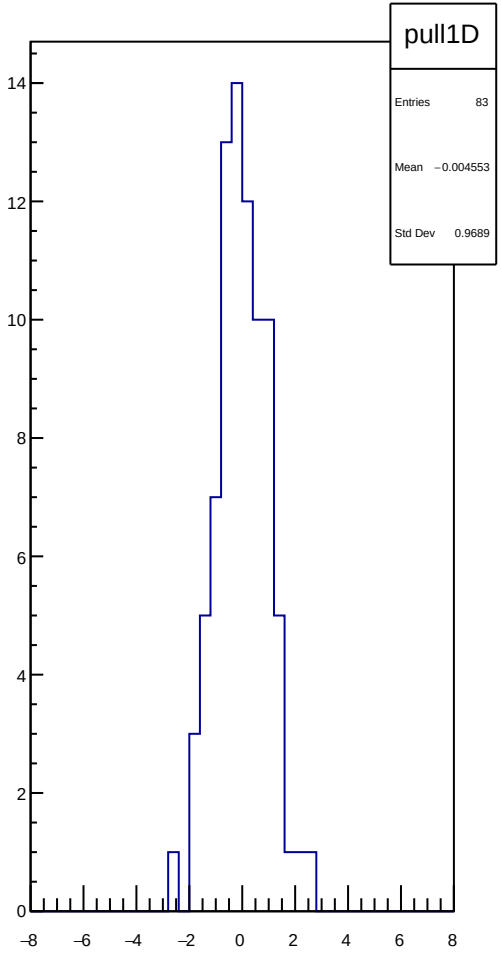

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.442e+05 / 82
p0 3.489e−11 ± 3.14e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

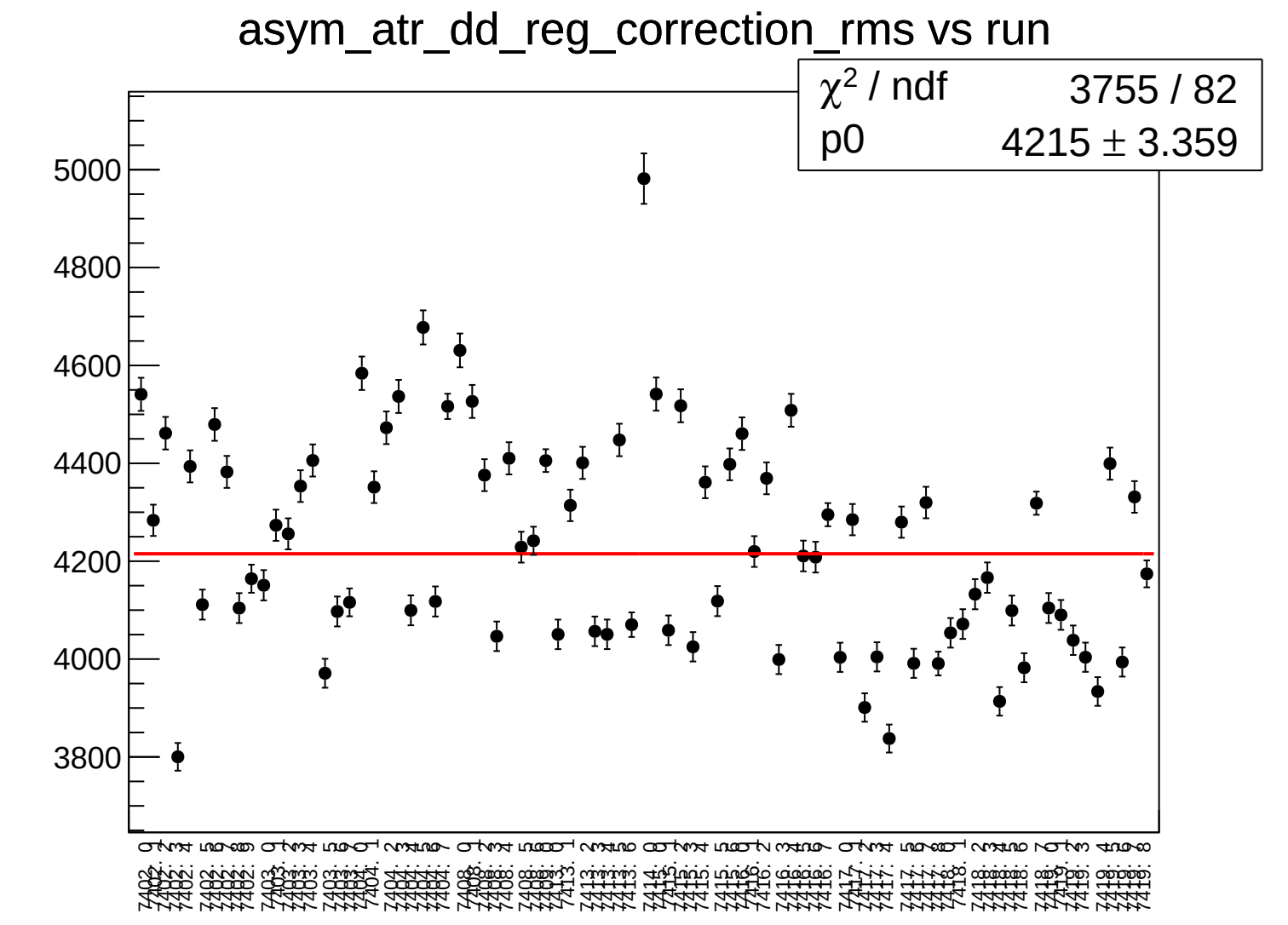

reg_asym_atr_dd_mean vs run
χ² / ndf 71.96 / 82
p0 2978 ± 2047
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 158.1
Std Dev 0
2
1
0
−1
−2

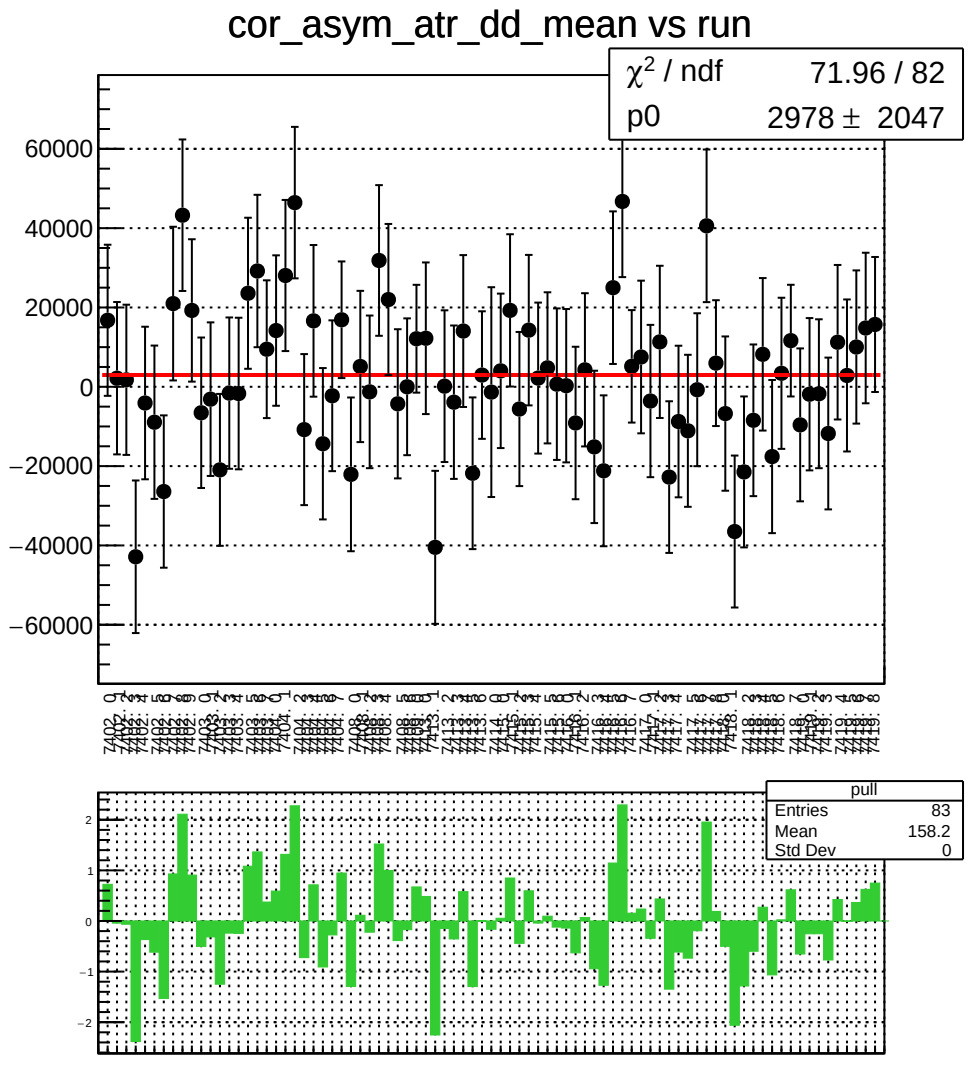

pull1D
Entries 83
Mean −0.01408
Std Dev 0.931
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

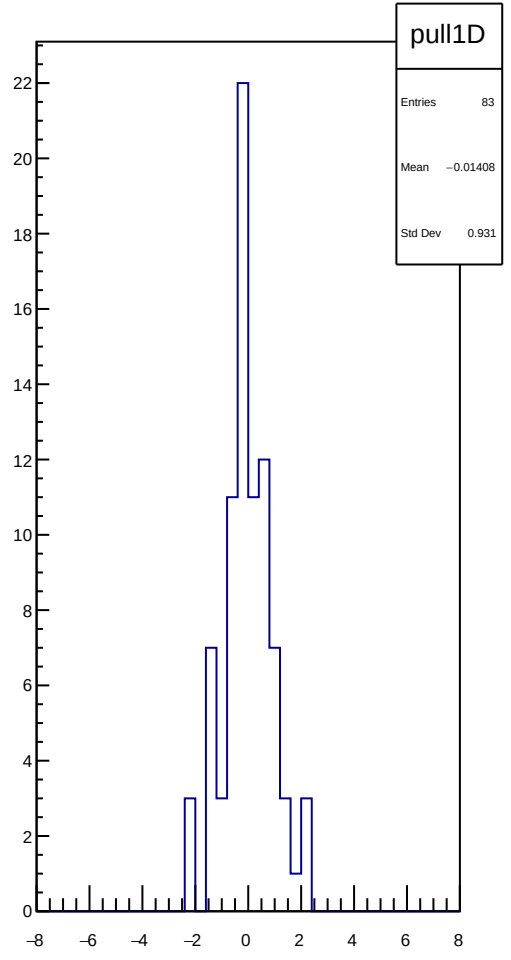

reg_asym_atr_dd_rms vs run
χ² / ndf 100.1 / 82
p0 1818 ± 1.447
1860
1840
1820
1800
1780
1760

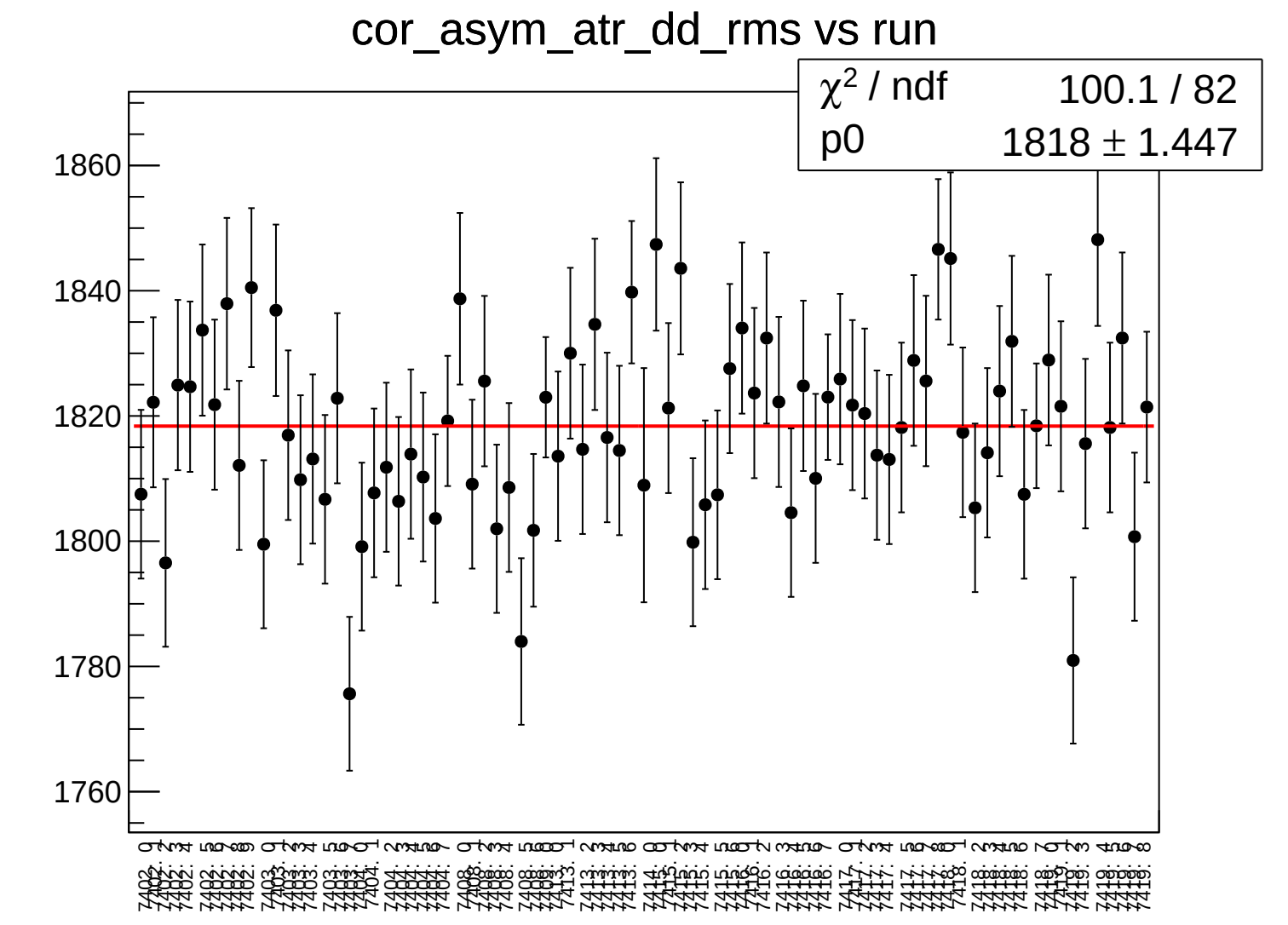

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 77.92 / 82
p0 −1228 ± 4750
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −505.1
Std Dev 0
2
1
0
−1
−2

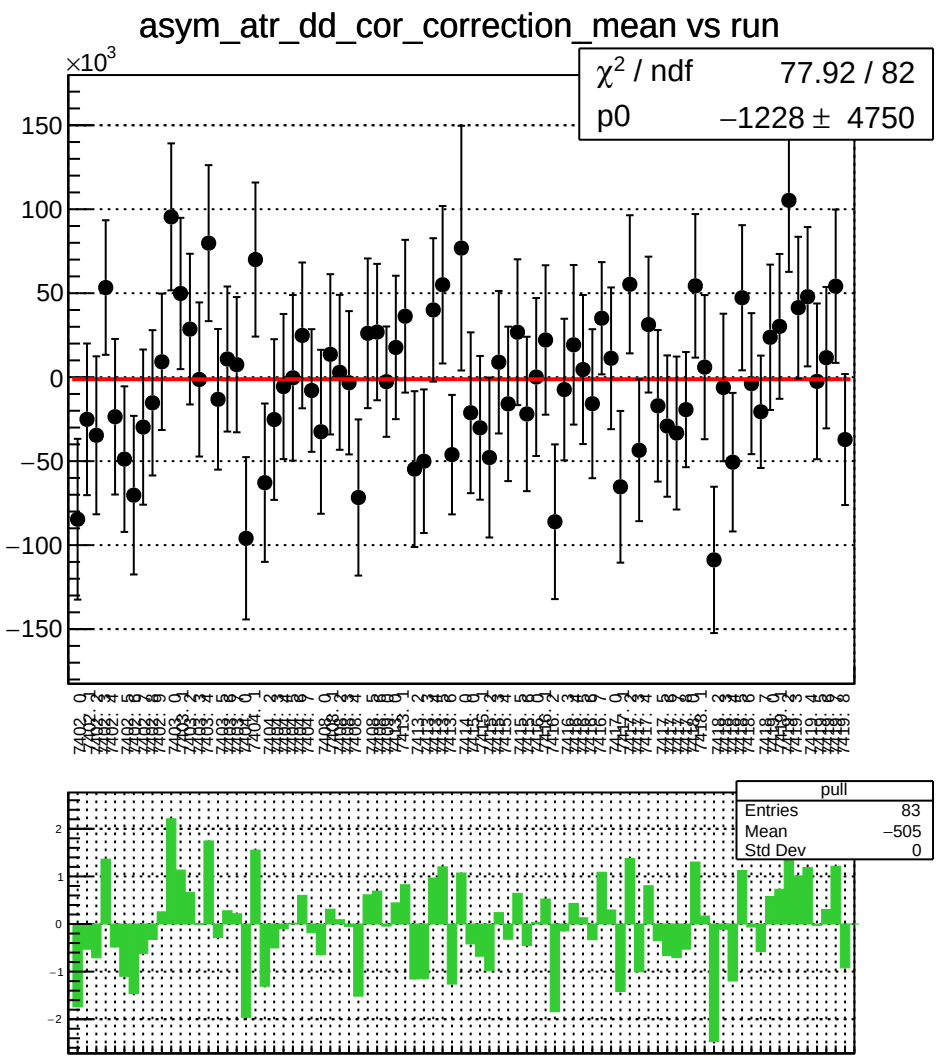

pull1D
Entries 83
Mean −0.004553
Std Dev 0.9689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

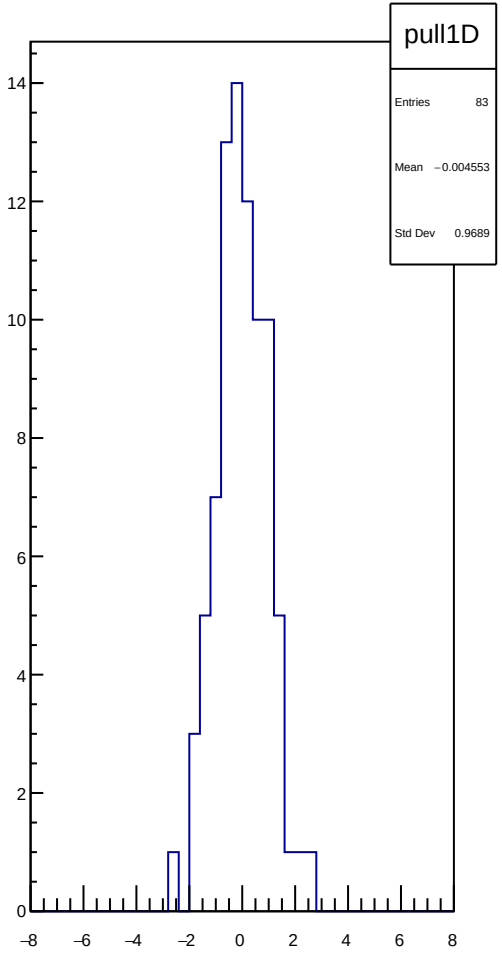

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 3755 / 82
p0 4215 ± 3.359
5000
4800
4600
4400
4200
4000
3800

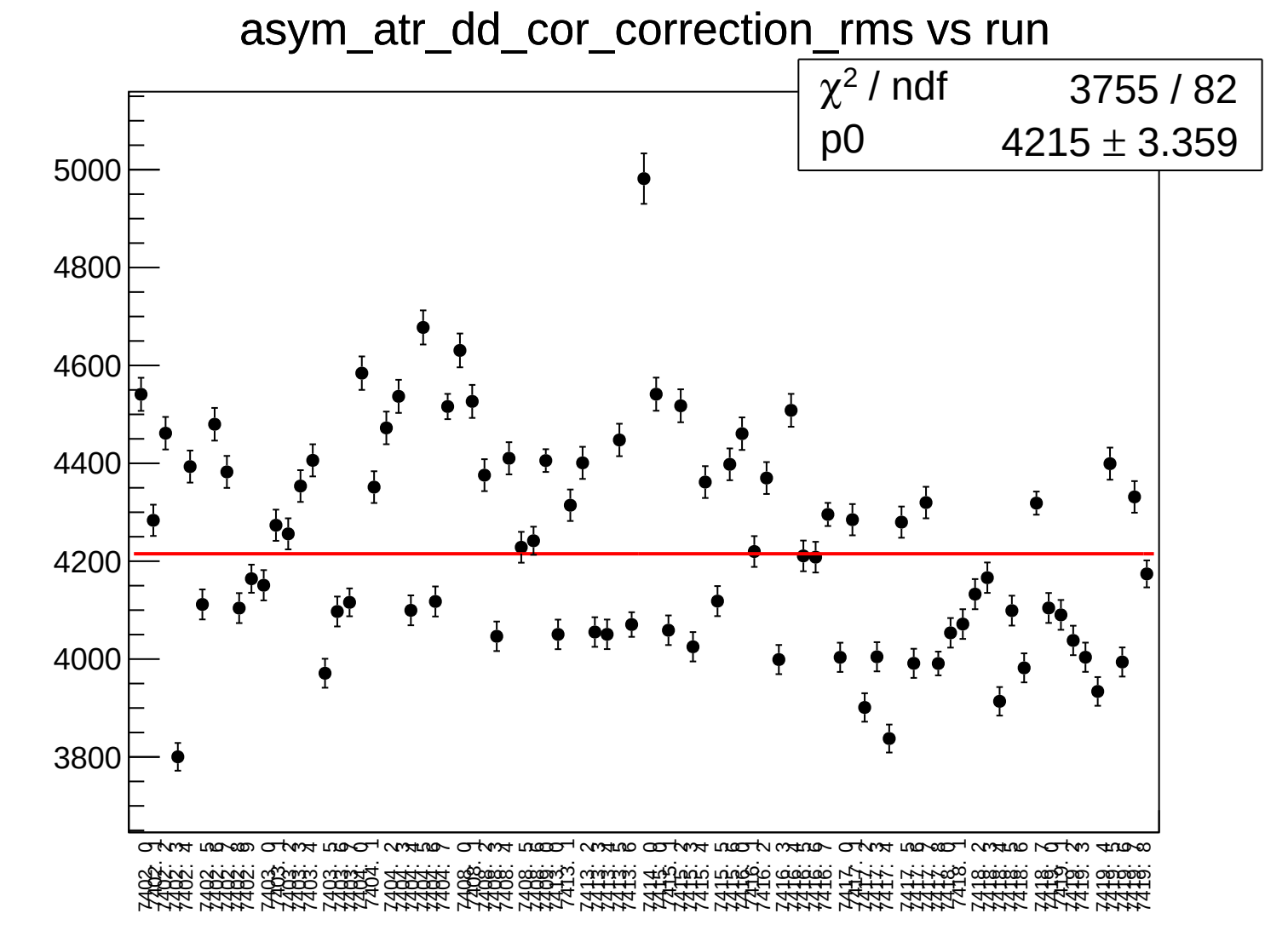

cor_asym_atr_dd_mean vs run
χ² / ndf 71.96 / 82
p0 2978 ± 2047
pull
Entries 83
Mean 158.2
Std Dev 0

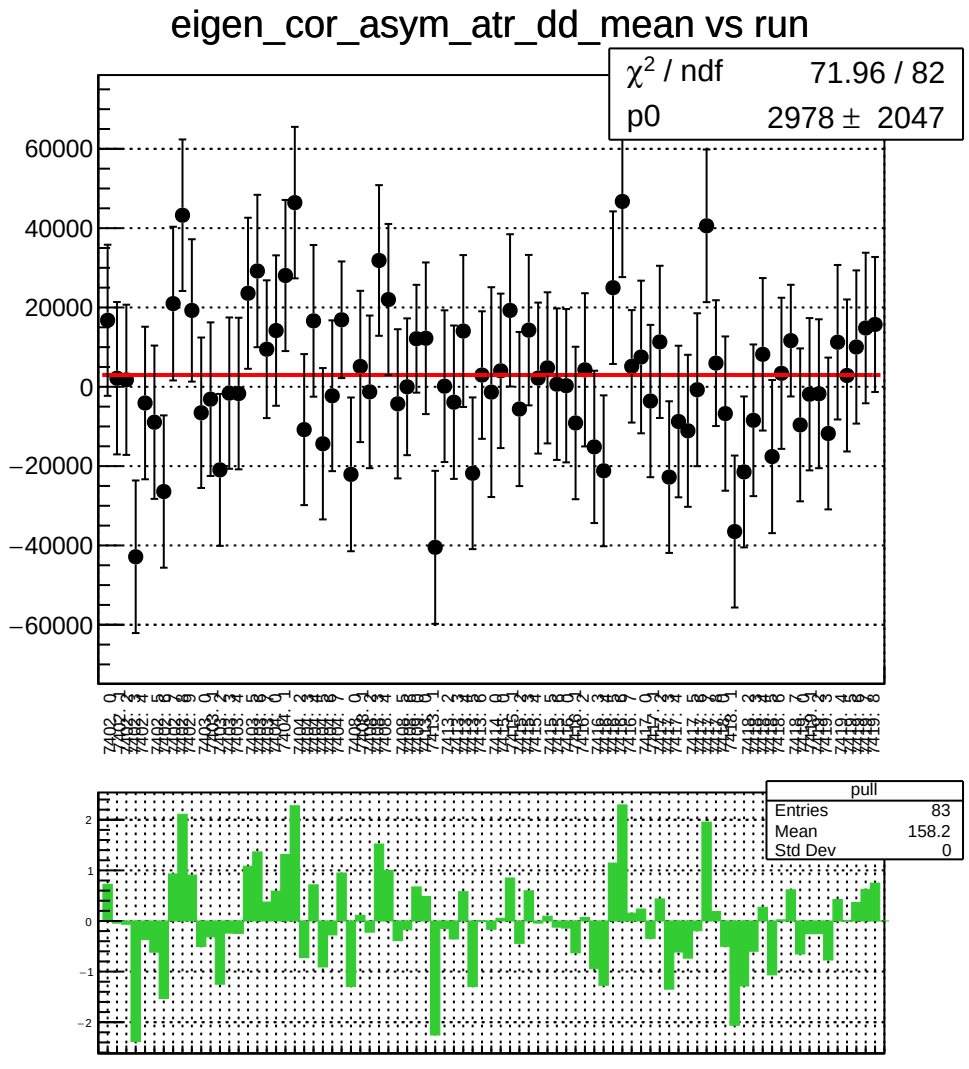

pull1D
Entries 83
Mean −0.01408
Std Dev 0.931

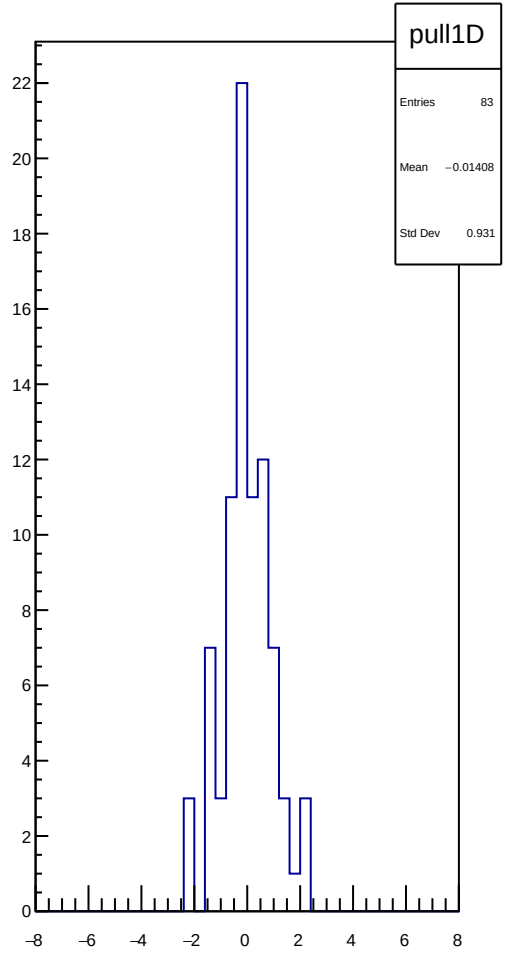

cor_asym_atr_dd_rms vs run
χ² / ndf 100.1 / 82
p0 1818 ± 1.447
1860
1840
1820
1800
1780
1760

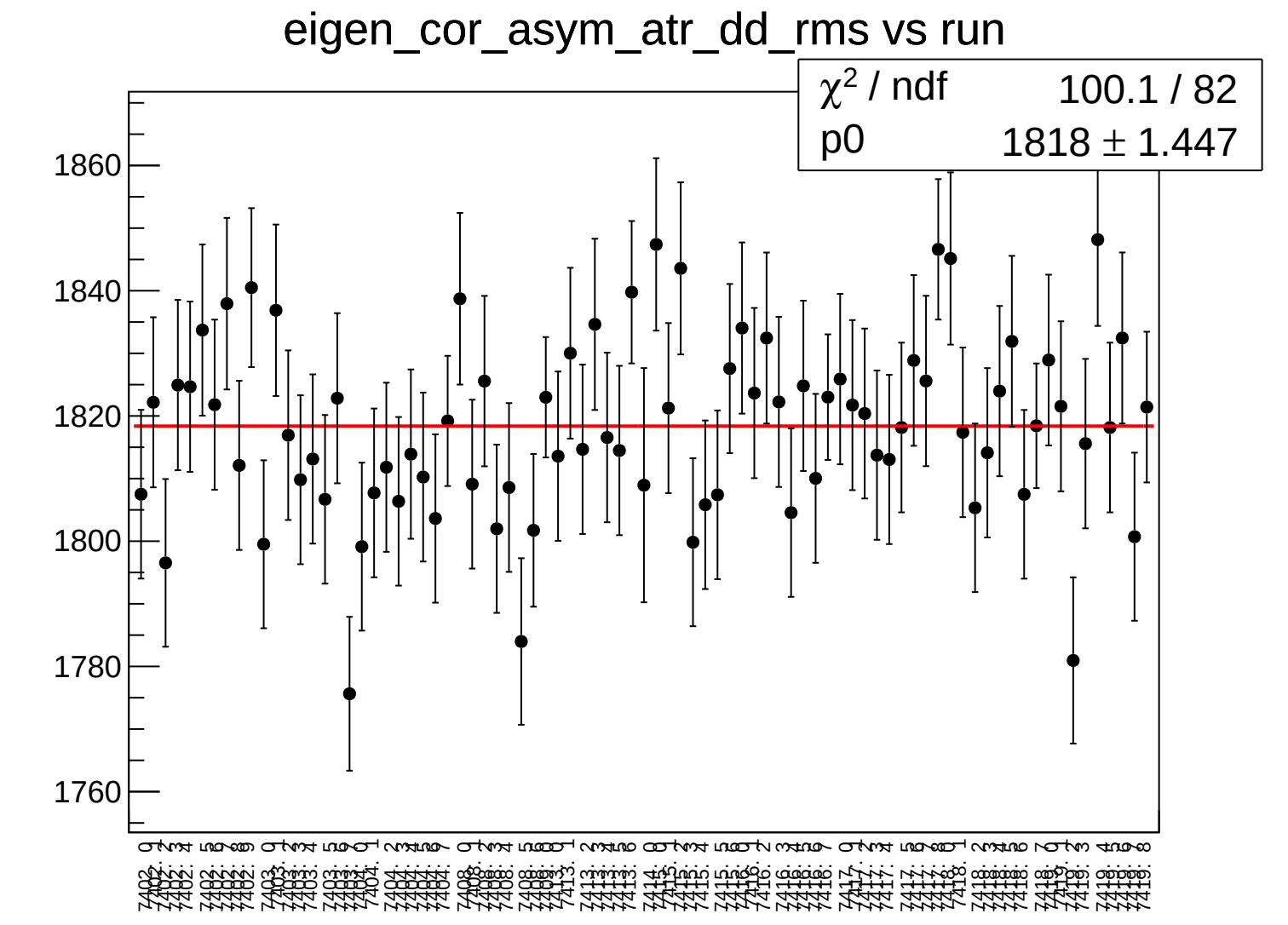

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 77.92 / 82
p0 −1228 ± 4750
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −505
Std Dev 0
2
1
0
−1
−2

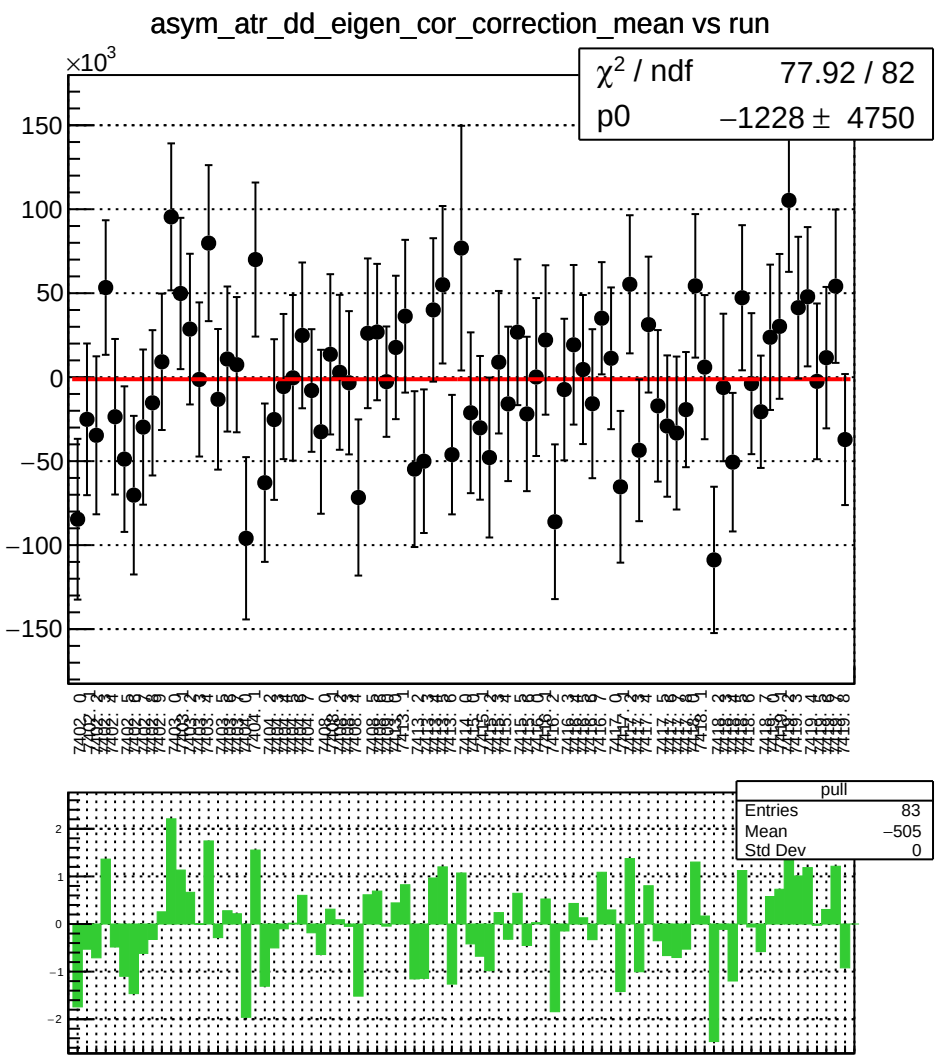

pull1D
Entries 83
Mean −0.004553
Std Dev 0.9689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

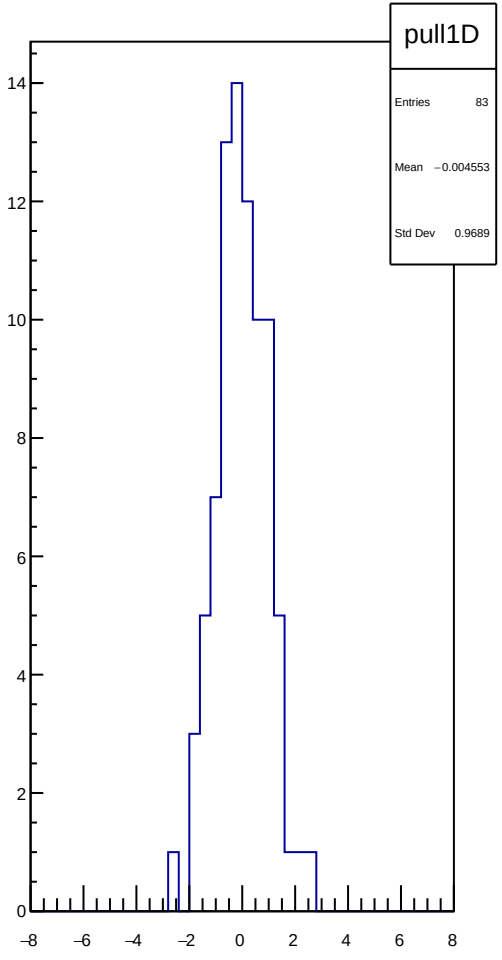

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 3755 / 82
p0 4215 ± 3.359
5000
4800
4600
4400
4200
4000
3800

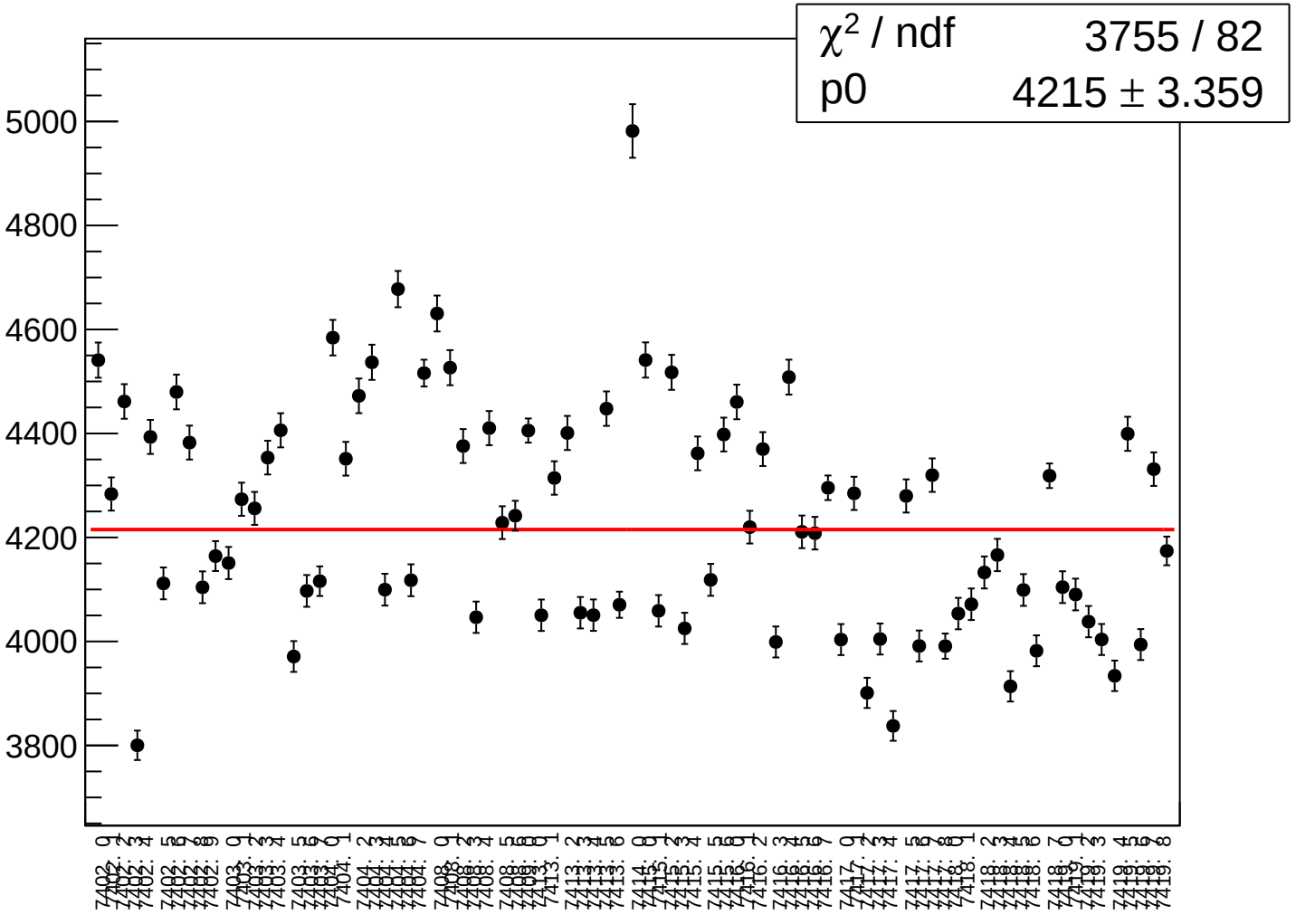

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 71.96 / 82
p0 2978 ± 2047
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 158.2
Std Dev 0
2
1
0
−1
−2

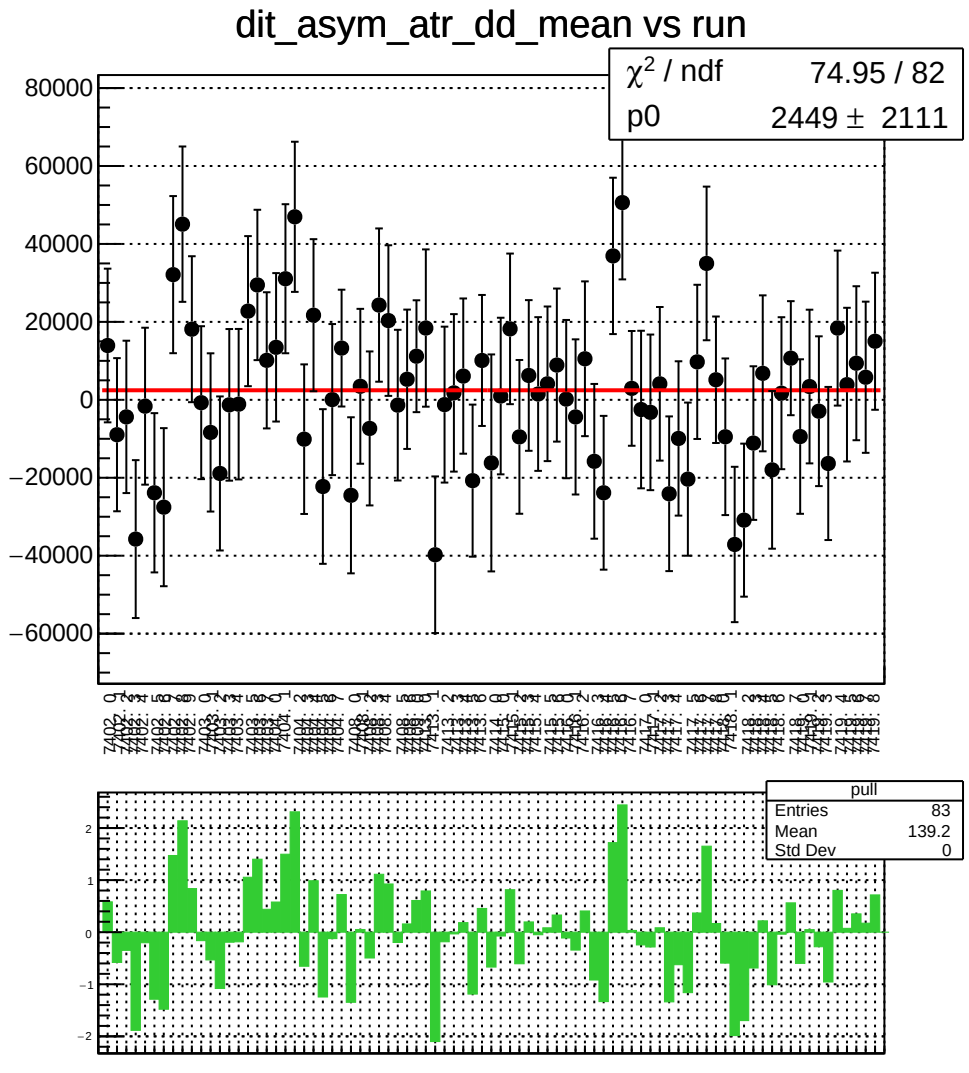

pull1D
Entries 83
Mean −0.01408
Std Dev 0.931
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

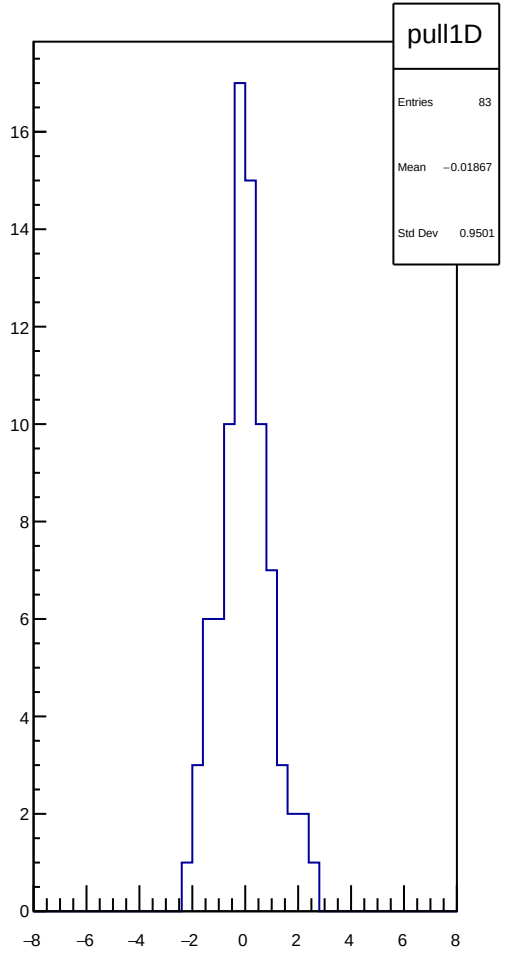

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 100.1 / 82
p0 1818 ± 1.447
1860
1840
1820
1800
1780
1760

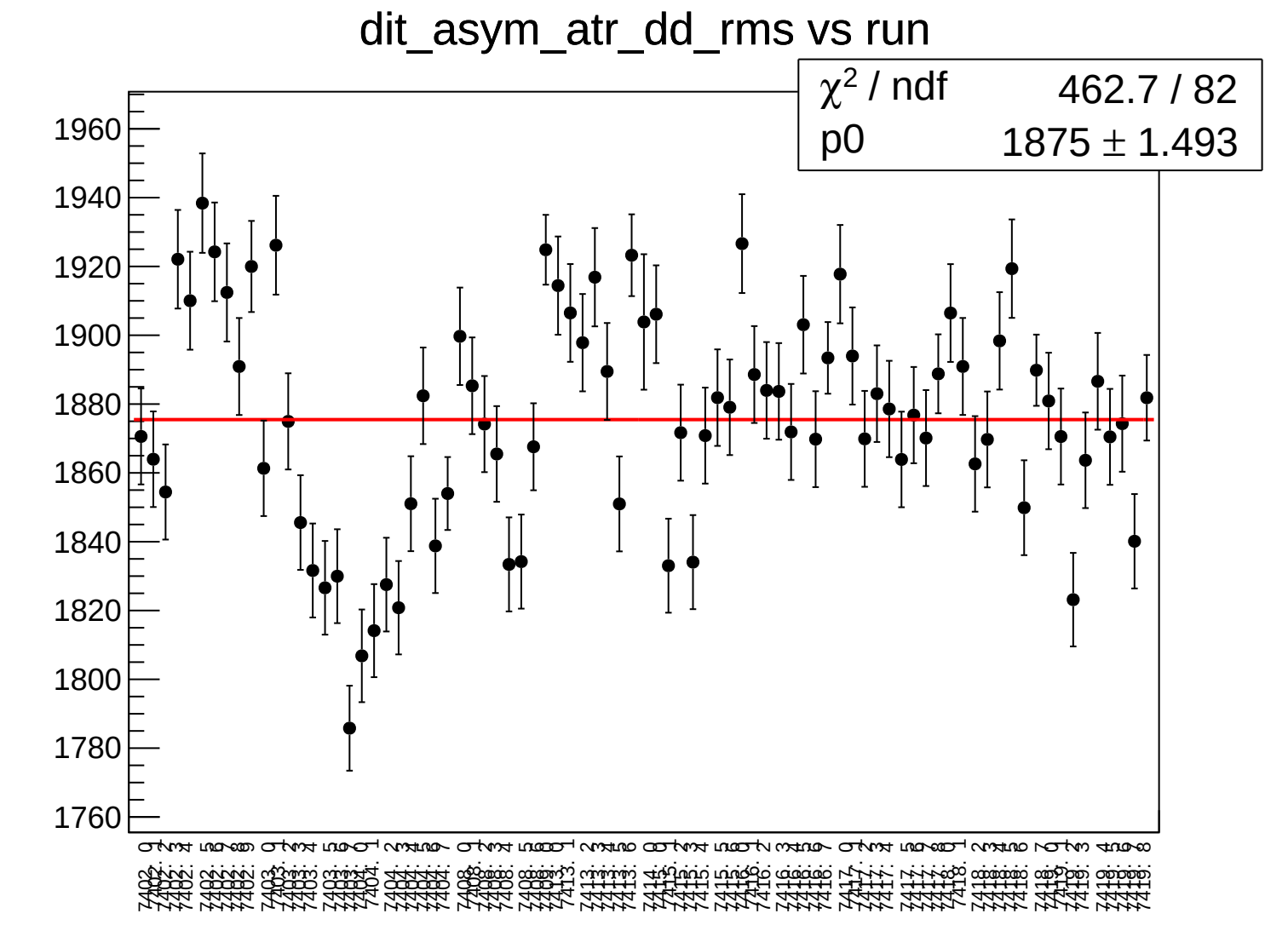

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 77.92 / 82
p0 −1228 ± 4750
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −505
Std Dev 0
2
1
0
−1
−2

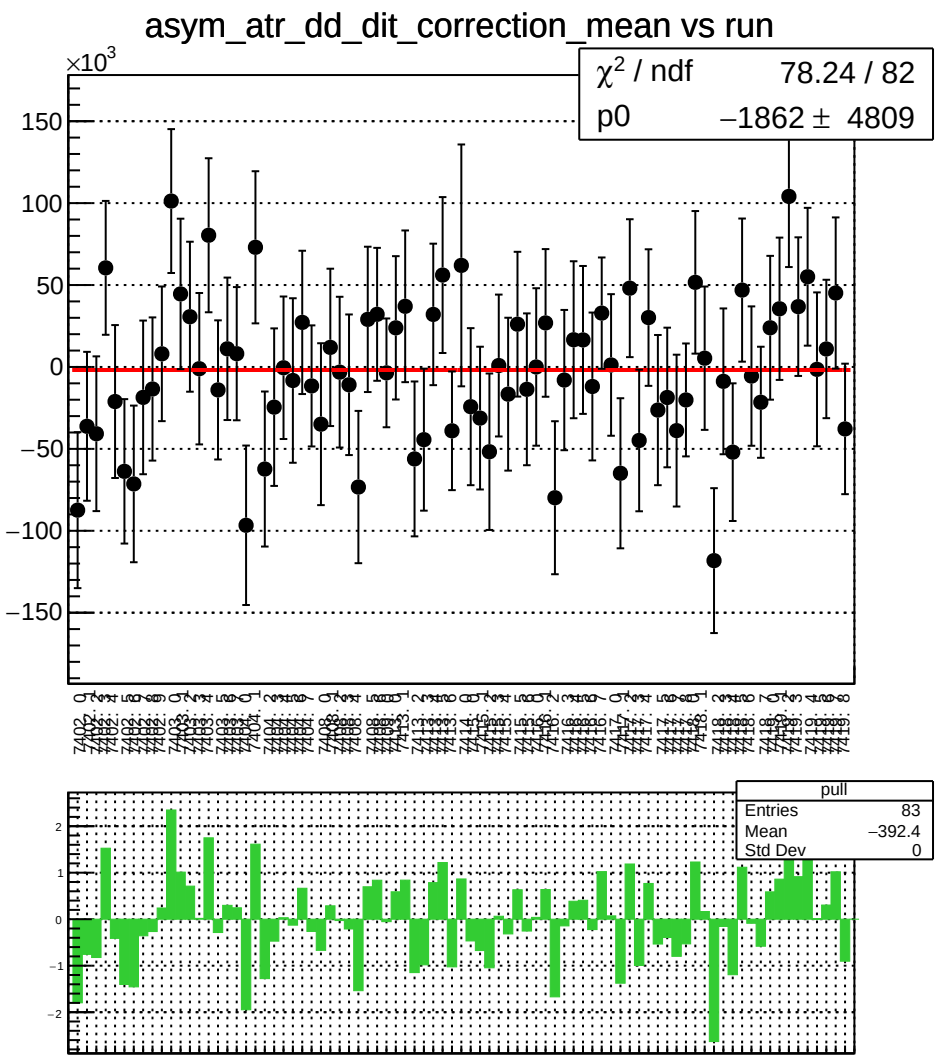

pull1D
Entries 83
Mean −0.004553
Std Dev 0.9689
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

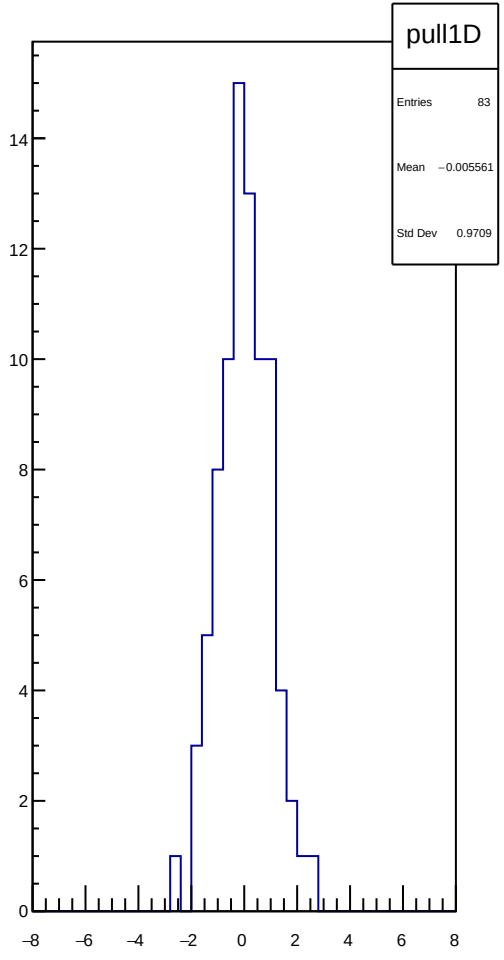

asym_atr_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 3755 / 82
p0 4215 ± 3.359
5000
4800
4600
4400
4200
4000
3800


dit_asym_atr_dd_mean vs run
χ² / ndf 74.95 / 82
p0 2449 ± 2111
pull
Entries 83
Mean 139.2
Std Dev 0

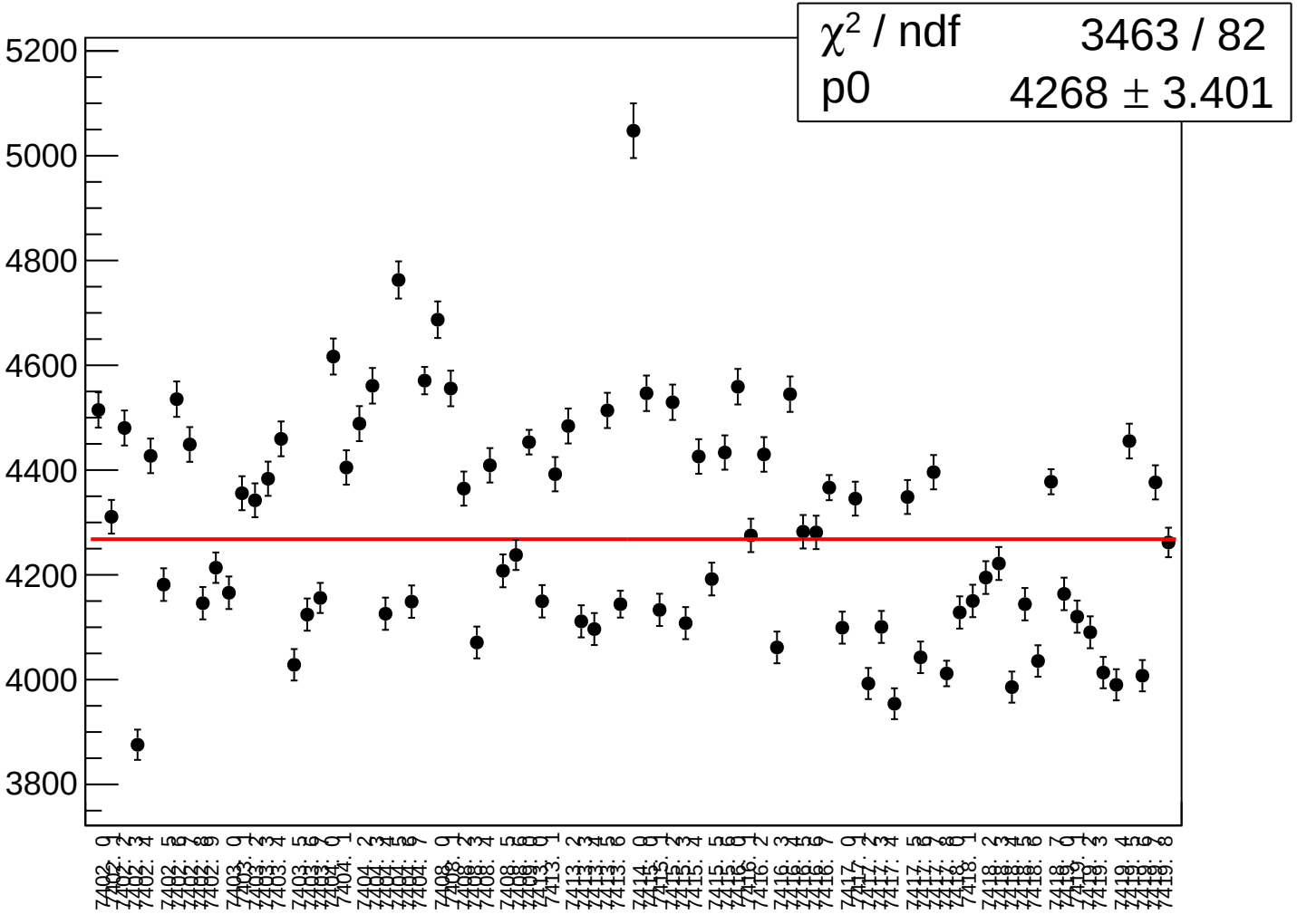

pull1D
Entries 83
Mean −0.01867
Std Dev 0.9501

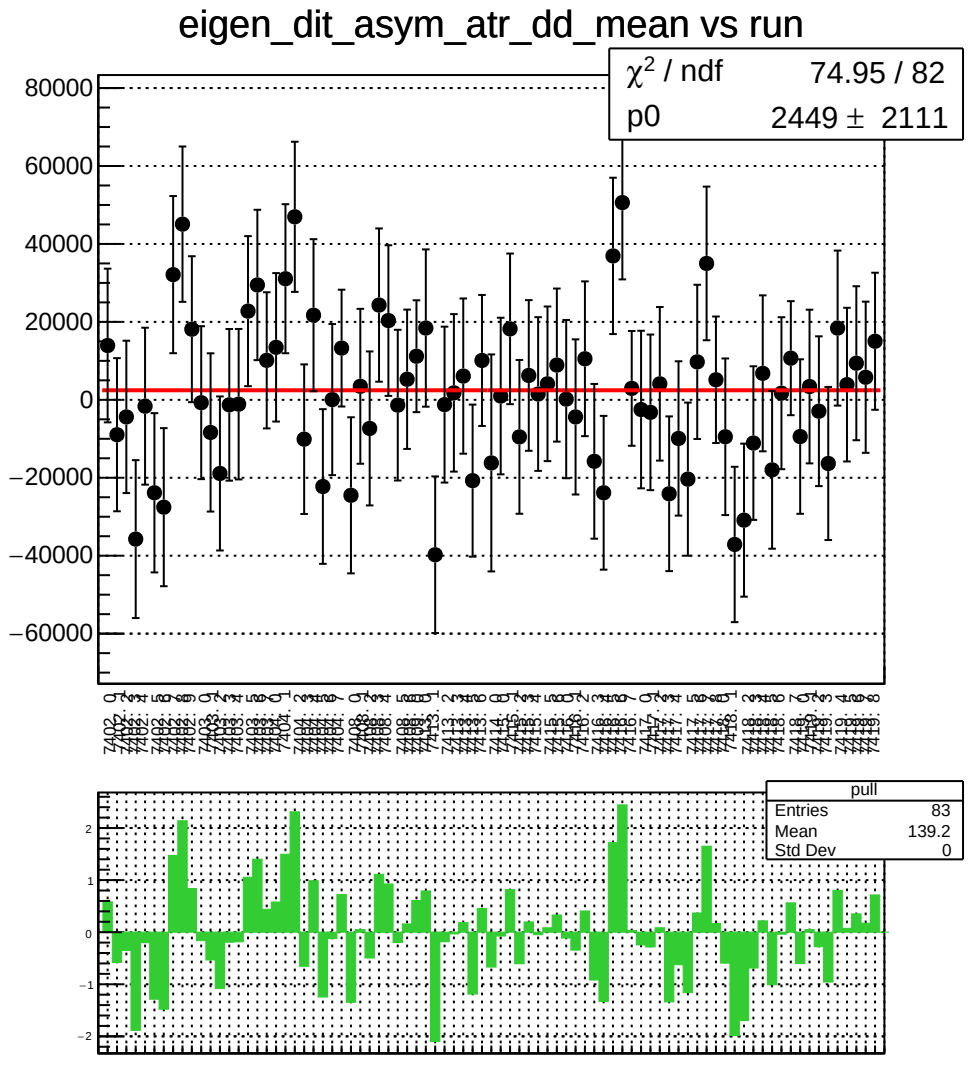

dit_asym_atr_dd_rms vs run
χ² / ndf 462.7 / 82
p0 1875 ± 1.493
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

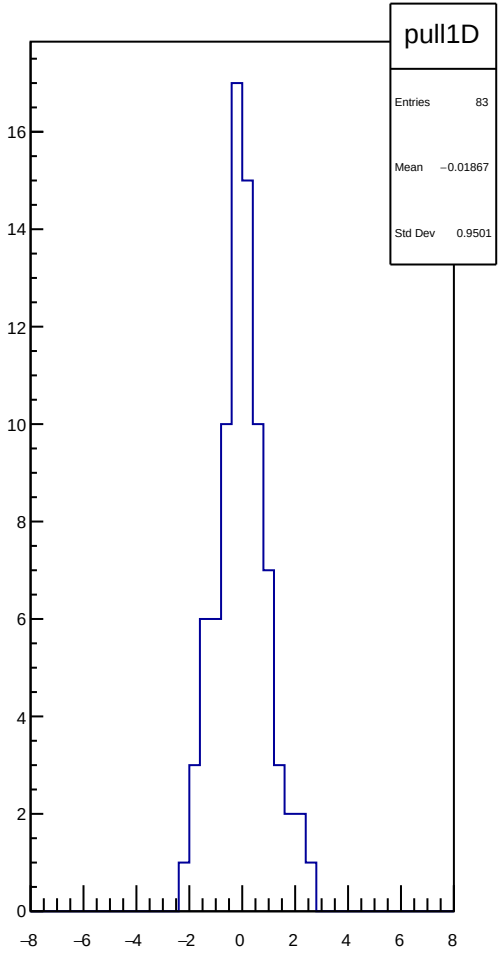

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 78.24 / 82
p0 −1862 ± 4809
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −392.4
Std Dev 0
2
1
0
−1
−2

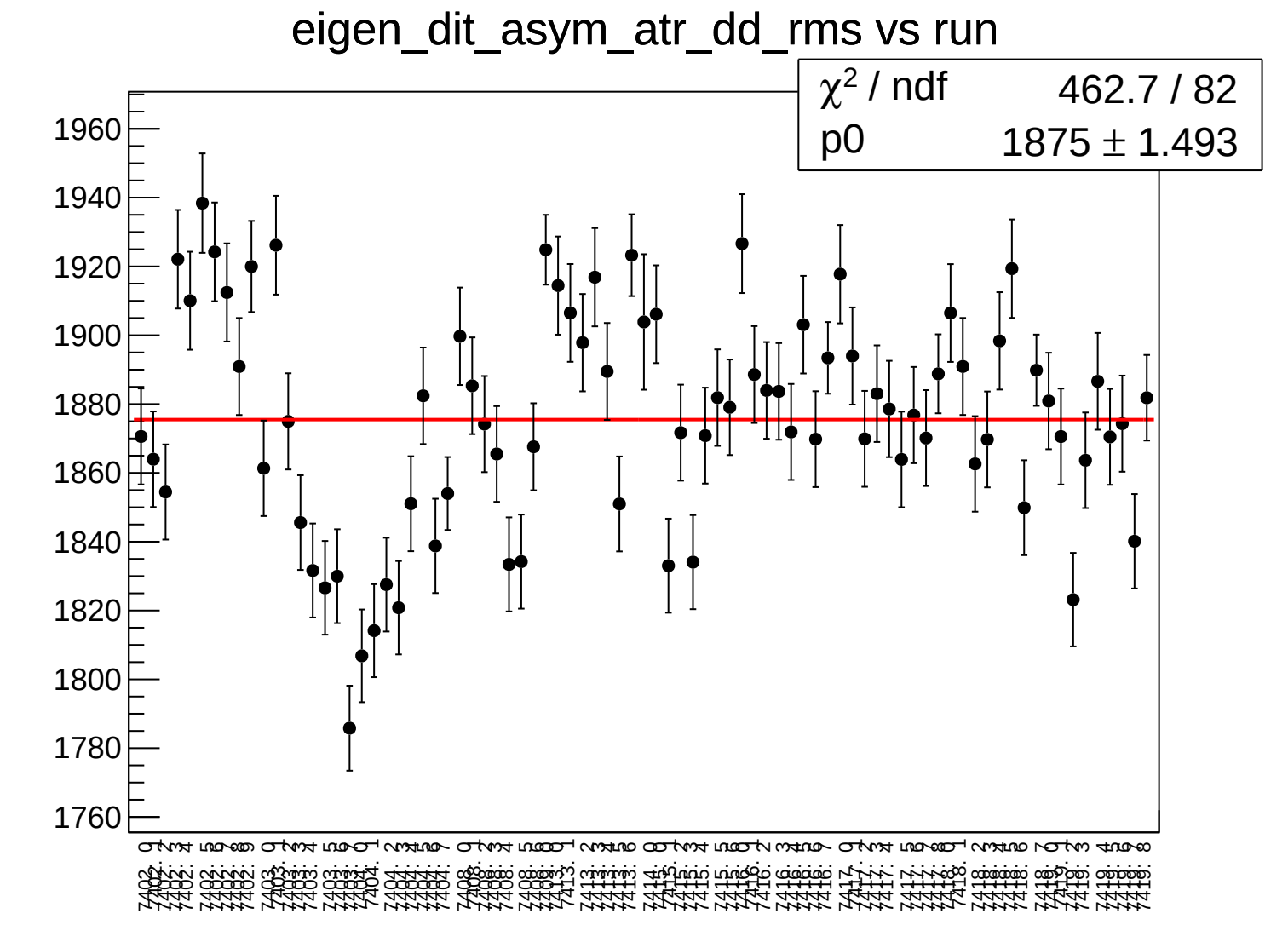

pull1D
Entries 83
Mean −0.005561
Std Dev 0.9709
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

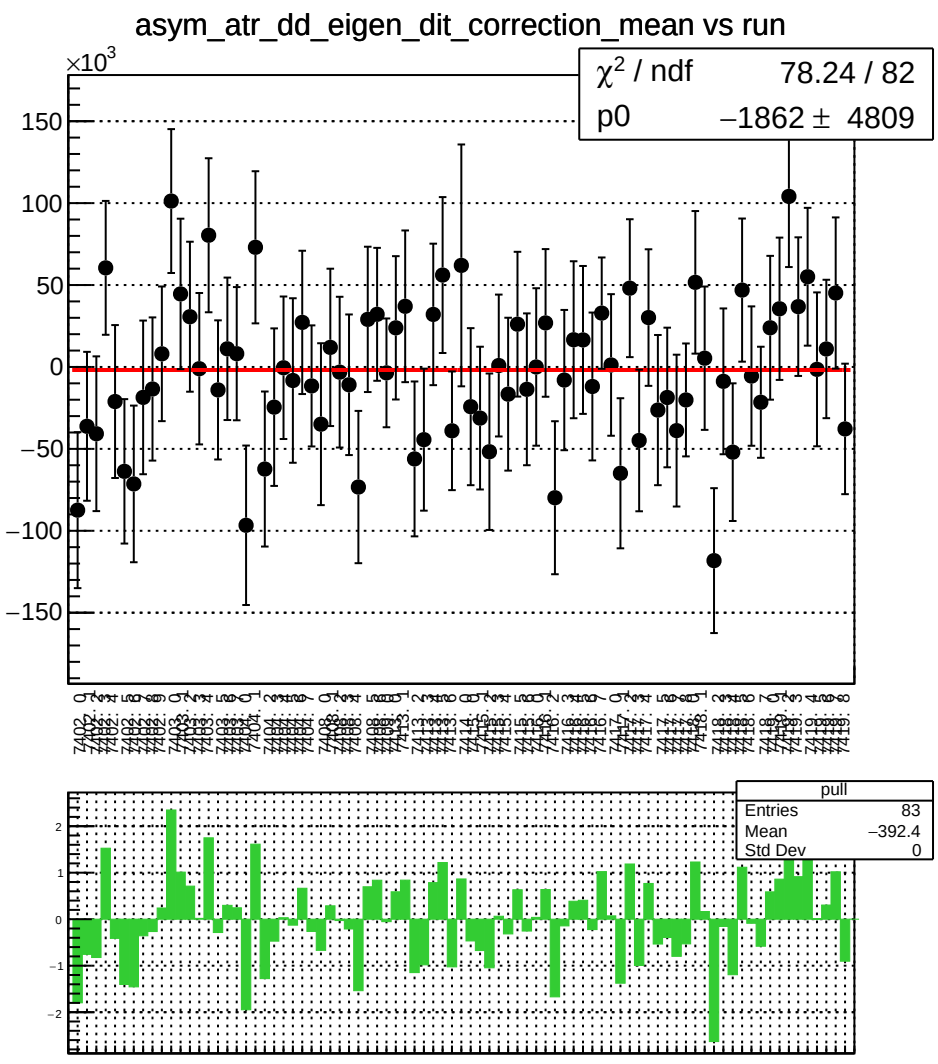
asym_atr_dd_dit_correction_rms vs run

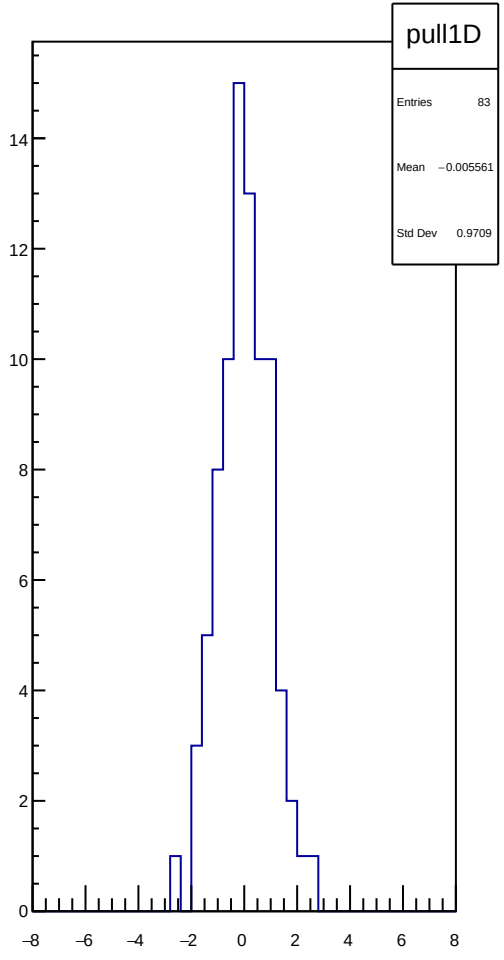


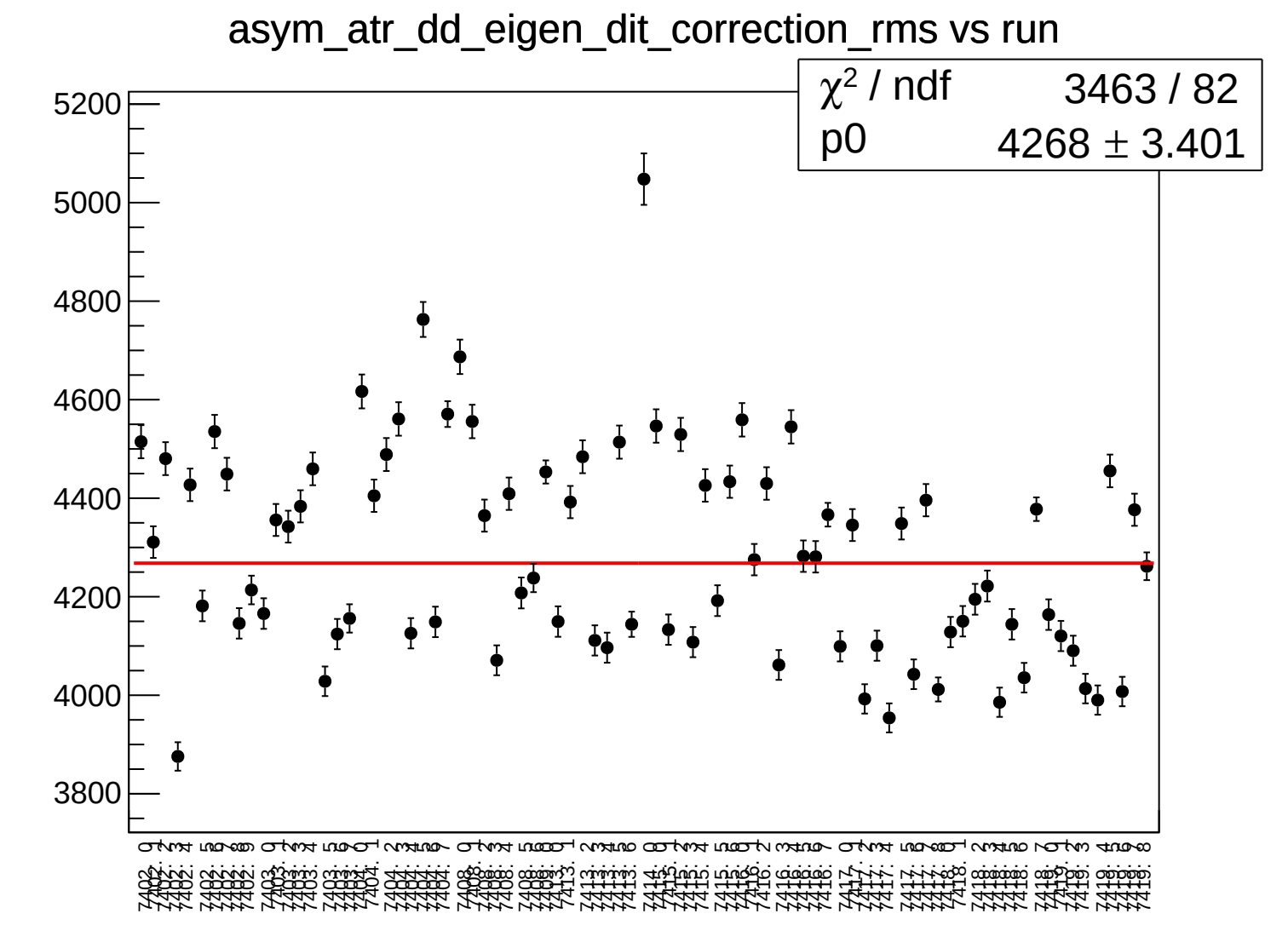

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 74.95 / 82
p0 2449 ± 2111
pull
Entries 83
Mean 139.2
Std Dev 0

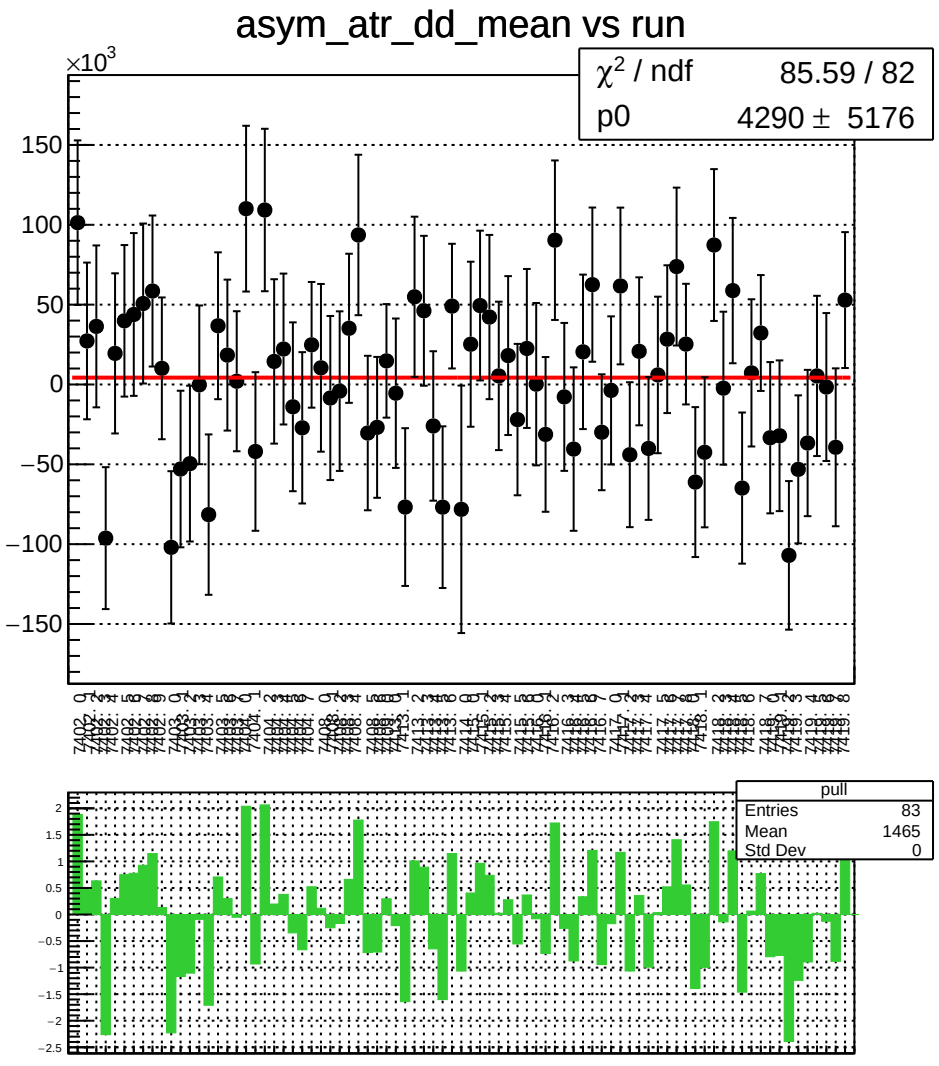

pull1D
Entries 83
Mean −0.01867
Std Dev 0.9501

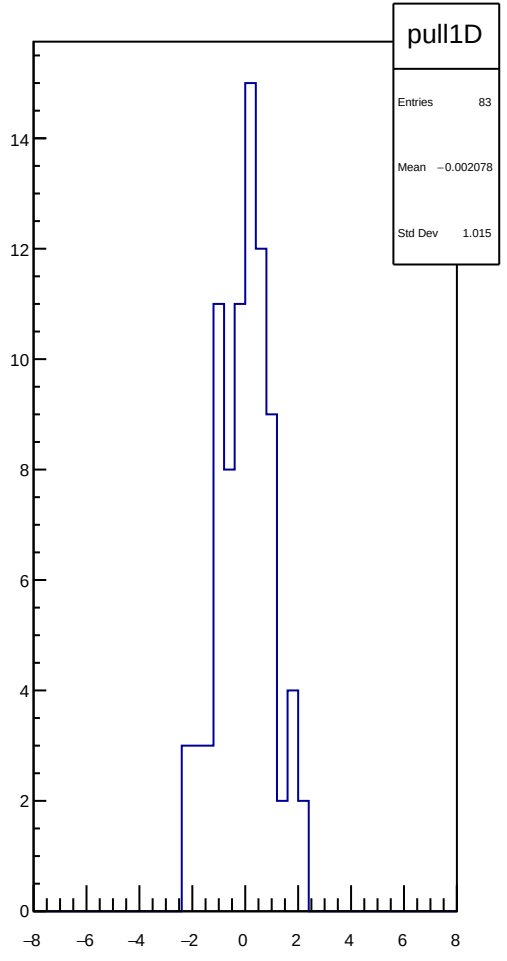

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 462.7 / 82
p0 1875 ± 1.493
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

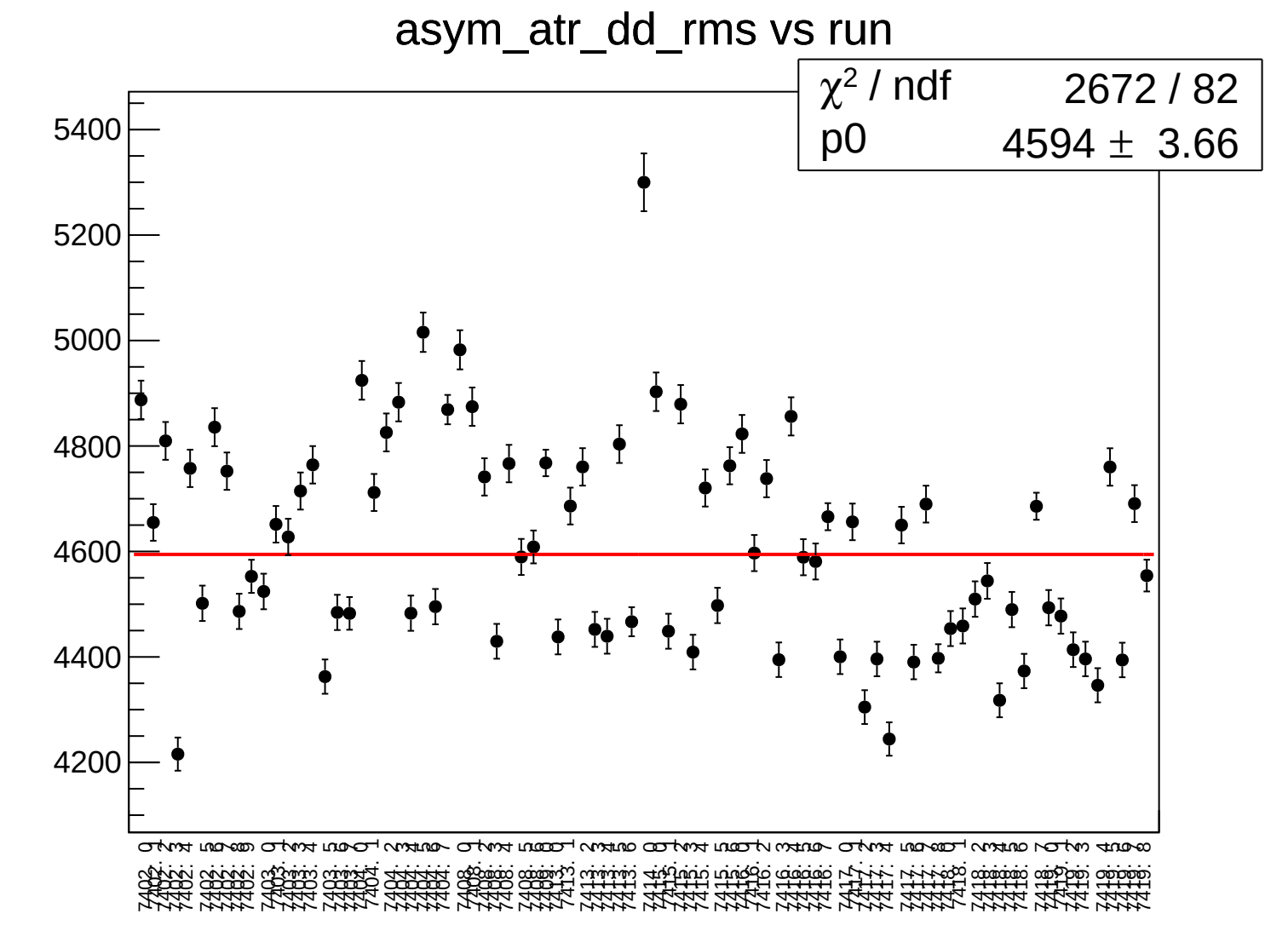

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 78.24 / 82
p0 −1862 ± 4809
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −392.4
Std Dev 0
2
1
0
−1
−2

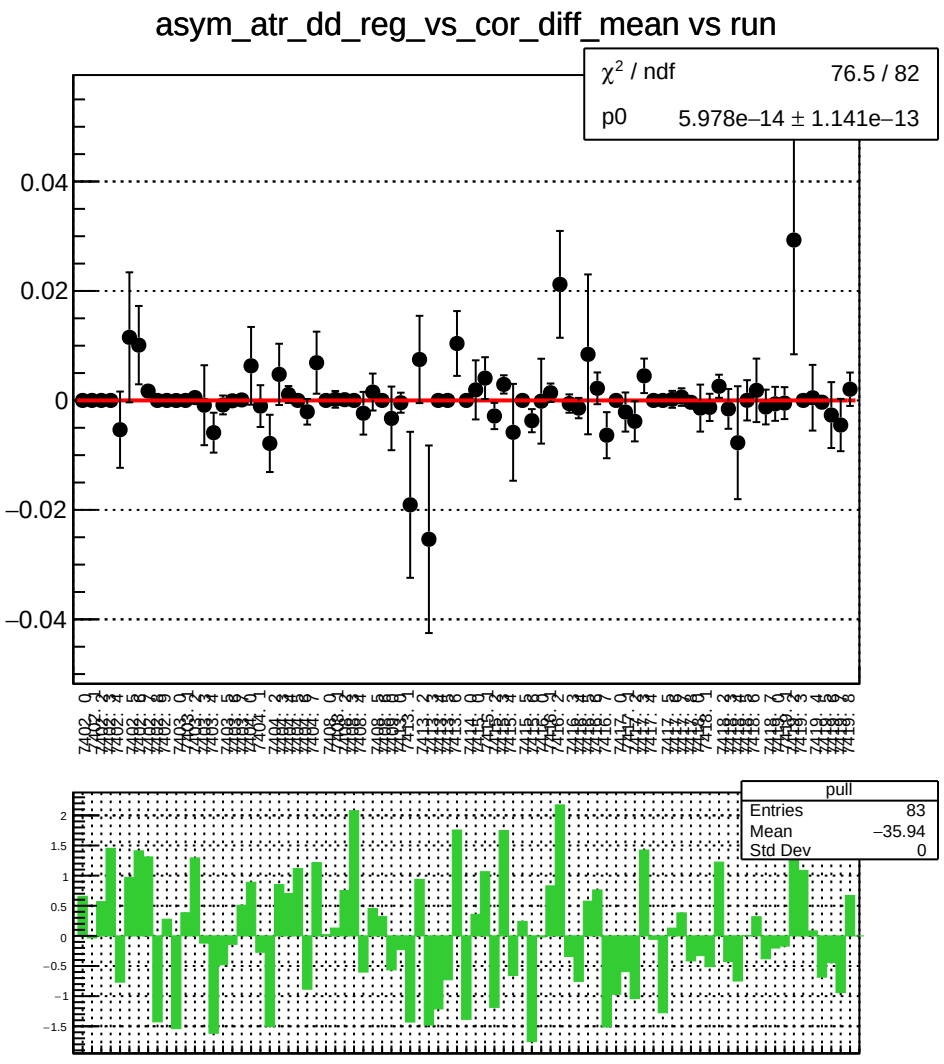

pull1D
Entries 83
Mean −0.005561
Std Dev 0.9709
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

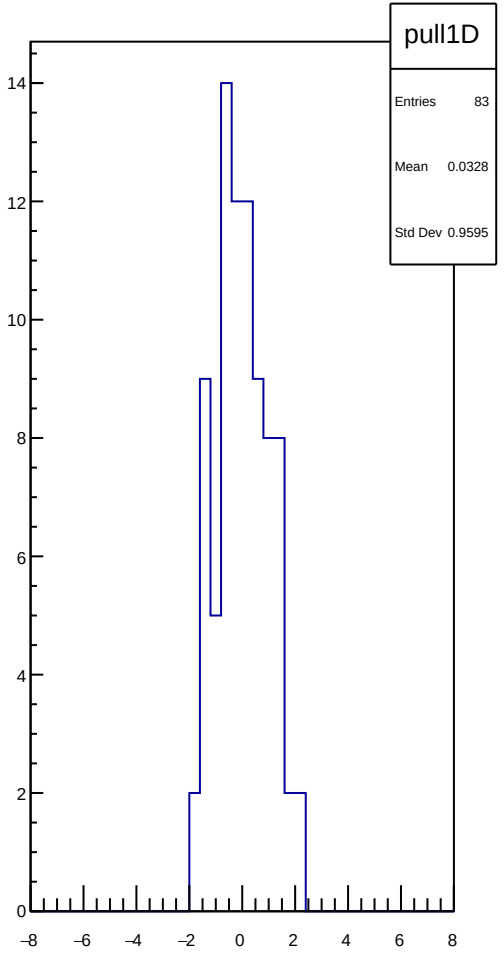

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 3463 / 82
p0 4268 ± 3.401
5200
5000
4800
4600
4400
4200
4000
3800

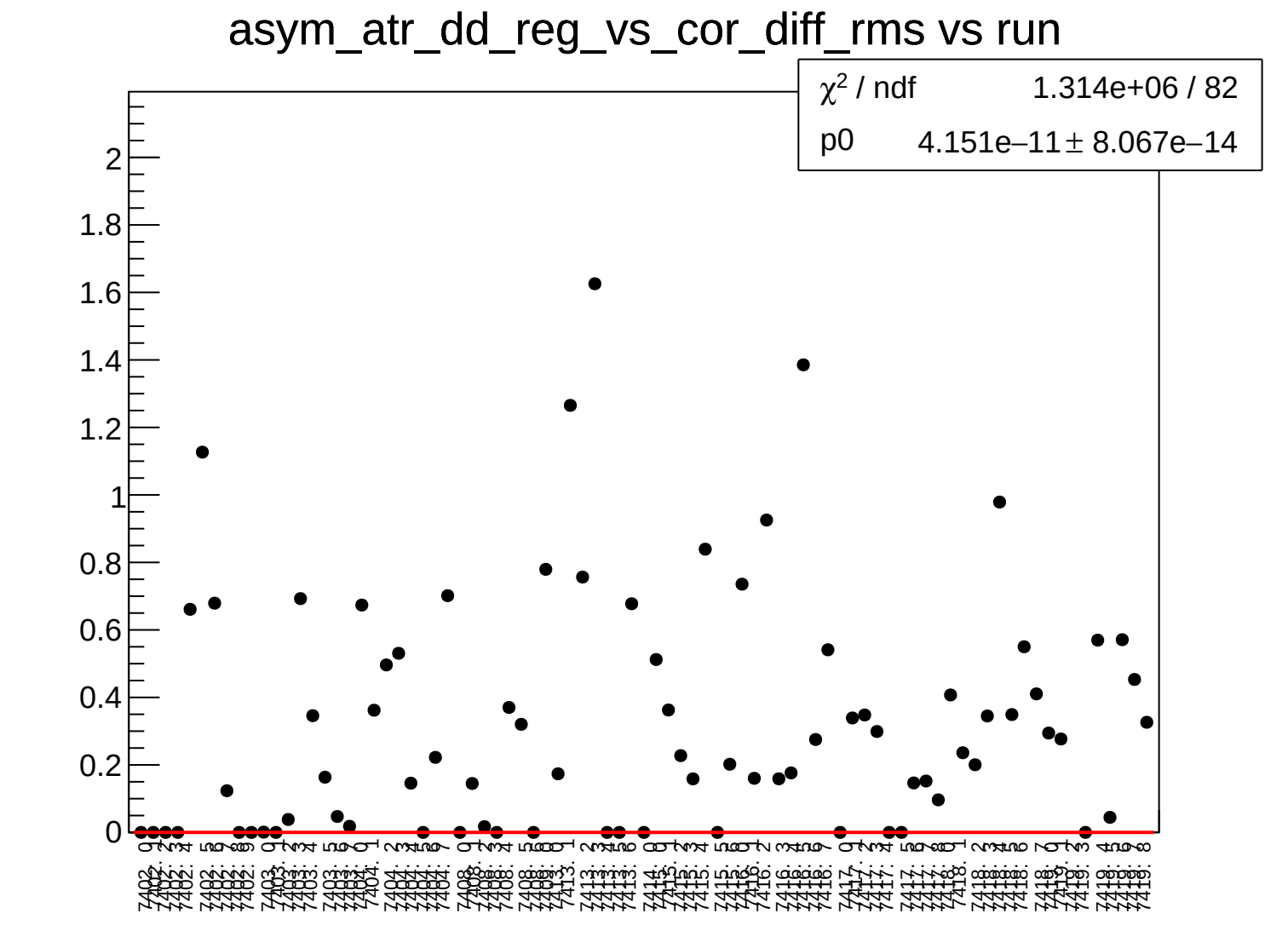

asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.59 / 82
p0 4290 ± 5176
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 1465
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

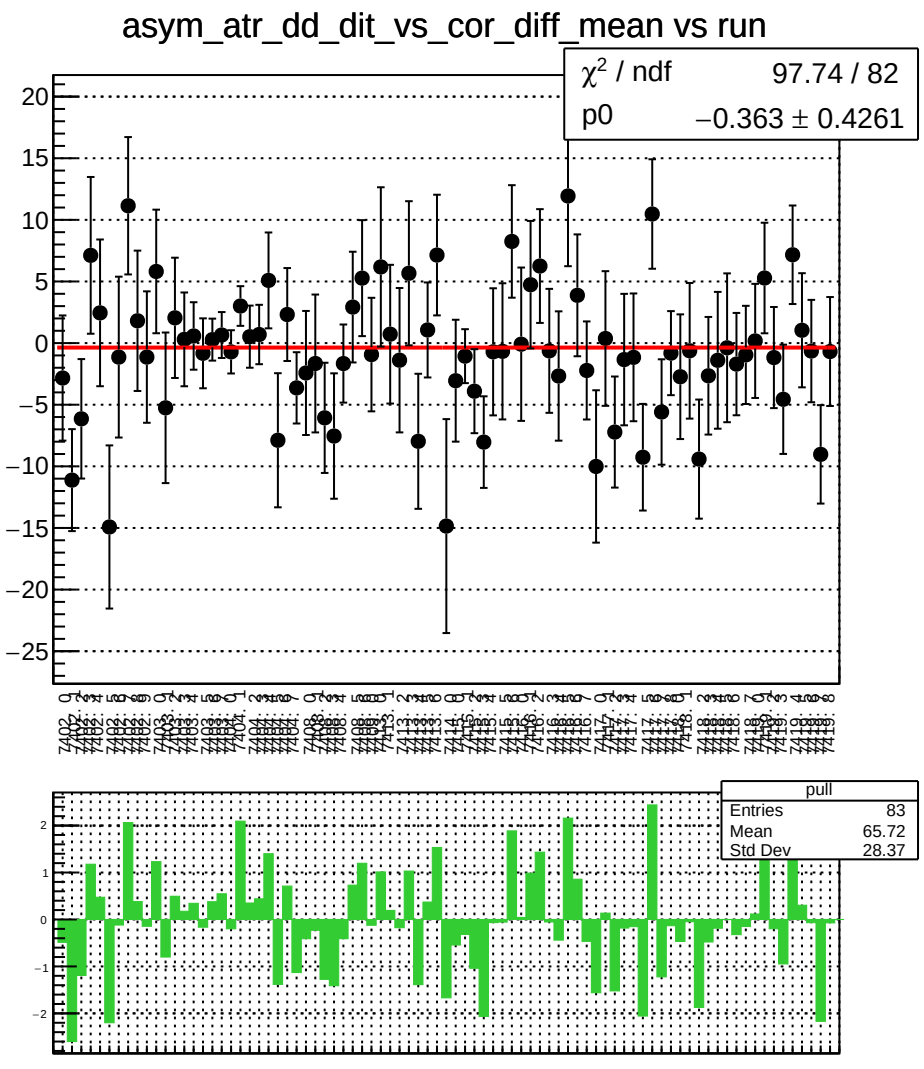

pull1D
Entries 83
Mean −0.002078
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

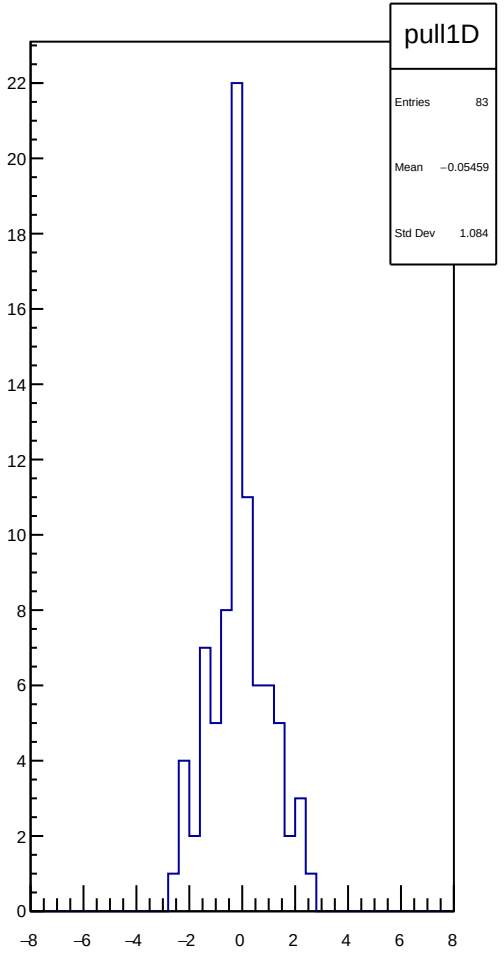

asym_atr_dd_rms vs run
χ² / ndf 2672 / 82
p0 4594 ± 3.66
5400
5200
5000
4800
4600
4400
4200

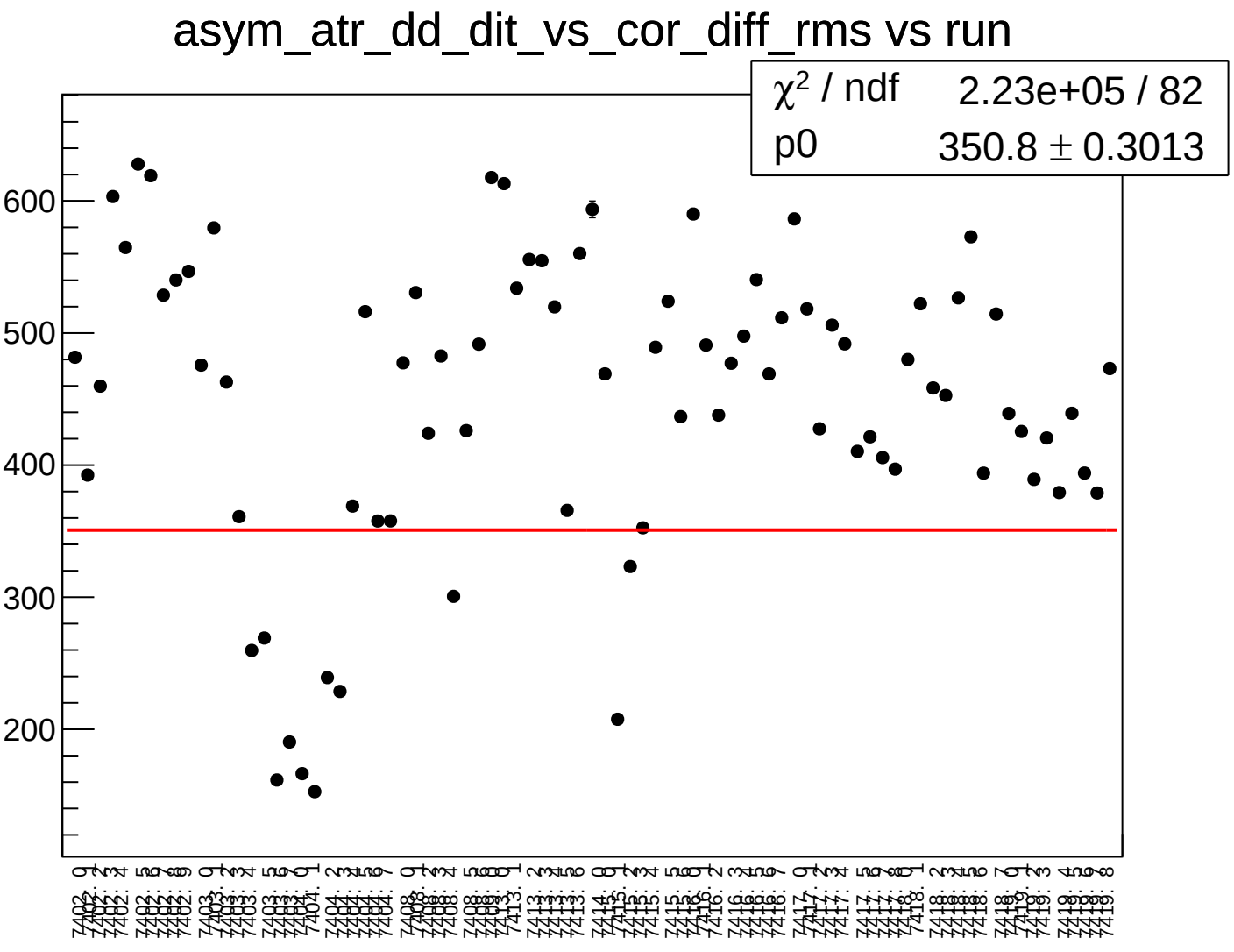

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 76.5 / 82
p0 5.978e−14 ± 1.141e−13
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean −35.94
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

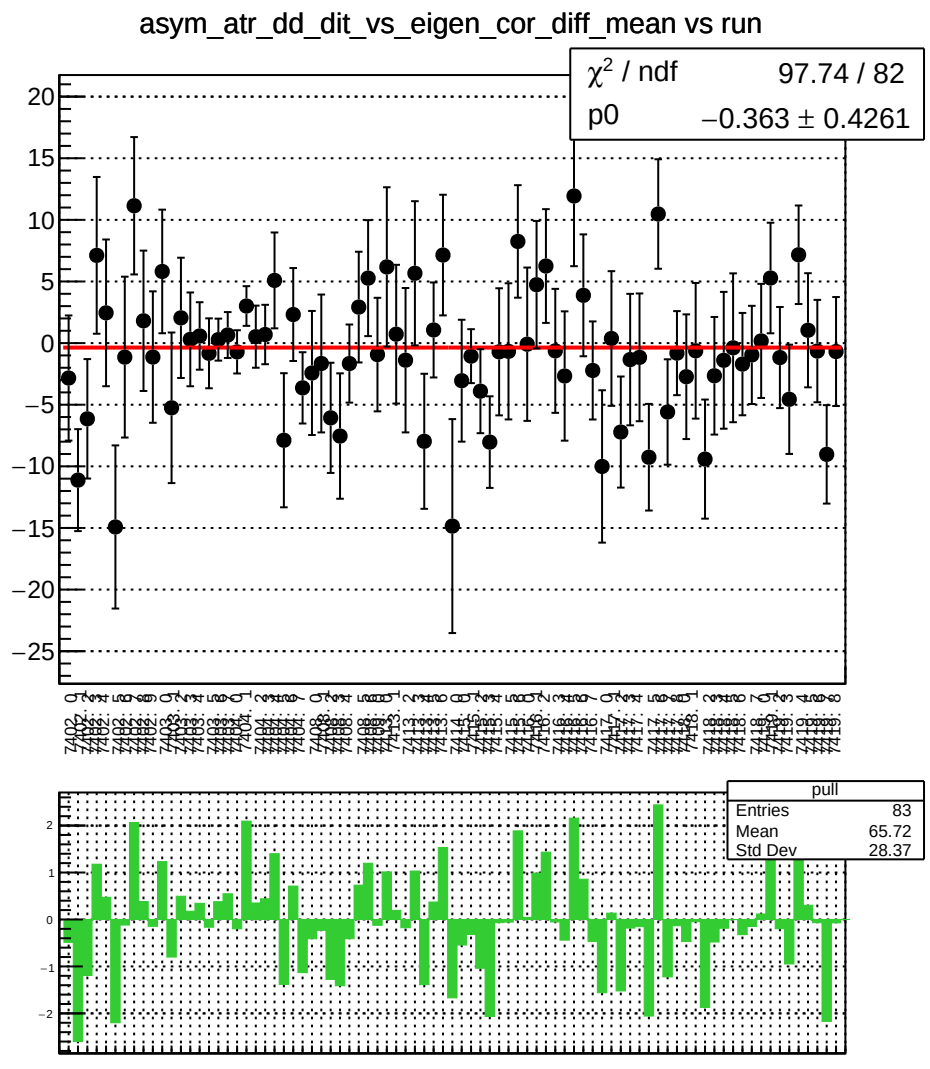

pull1D
Entries 83
Mean 0.0328
Std Dev 0.9595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

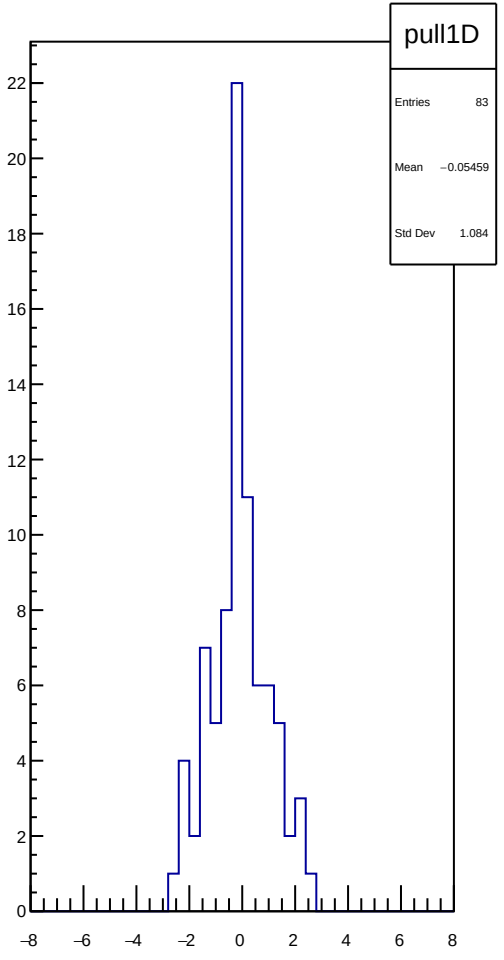

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.314e+06 / 82
p0 4.151e−11 ± 8.067e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

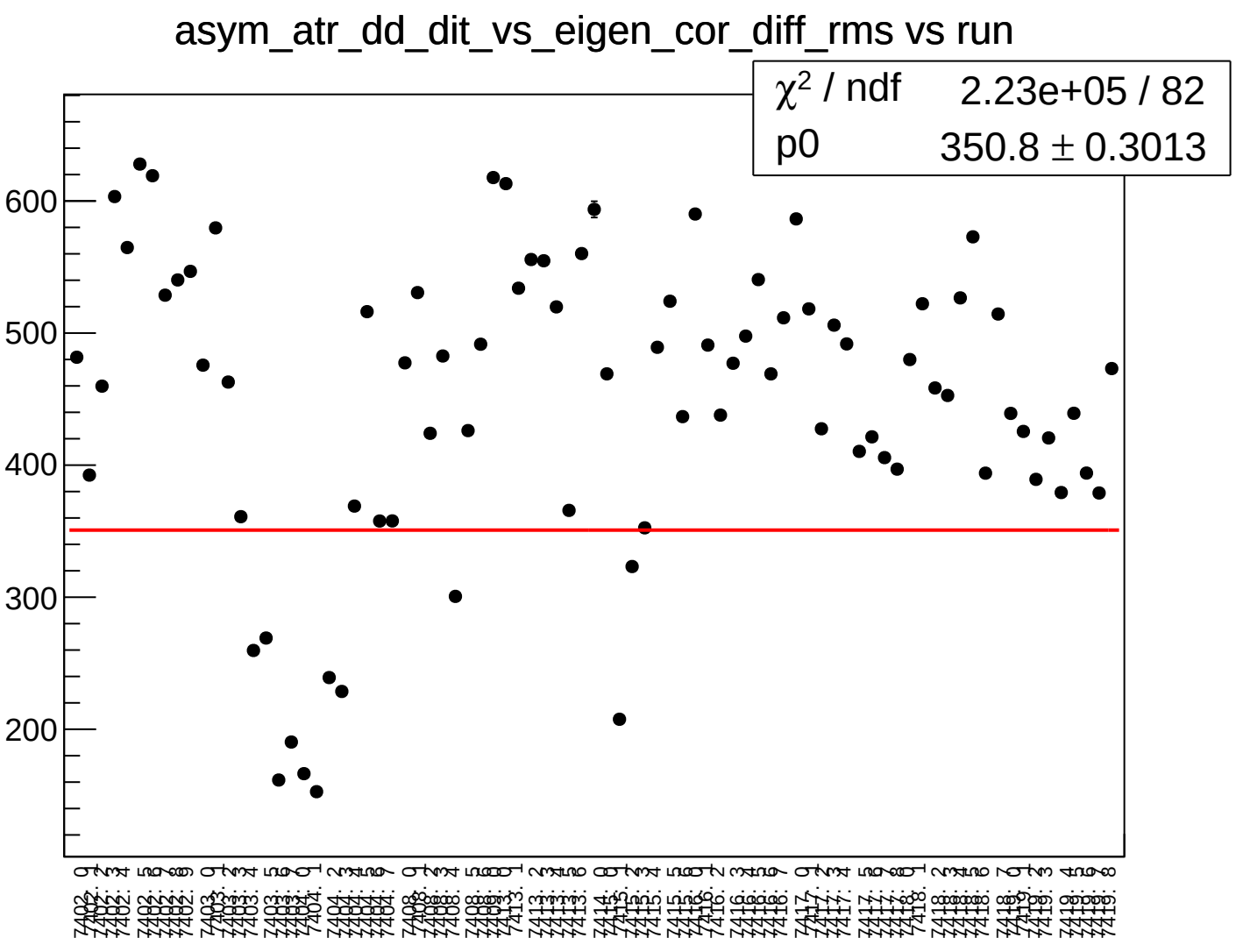

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 97.74 / 82
p0 −0.363 ± 0.4261
pull
Entries 83
Mean 65.72
Std Dev 28.37

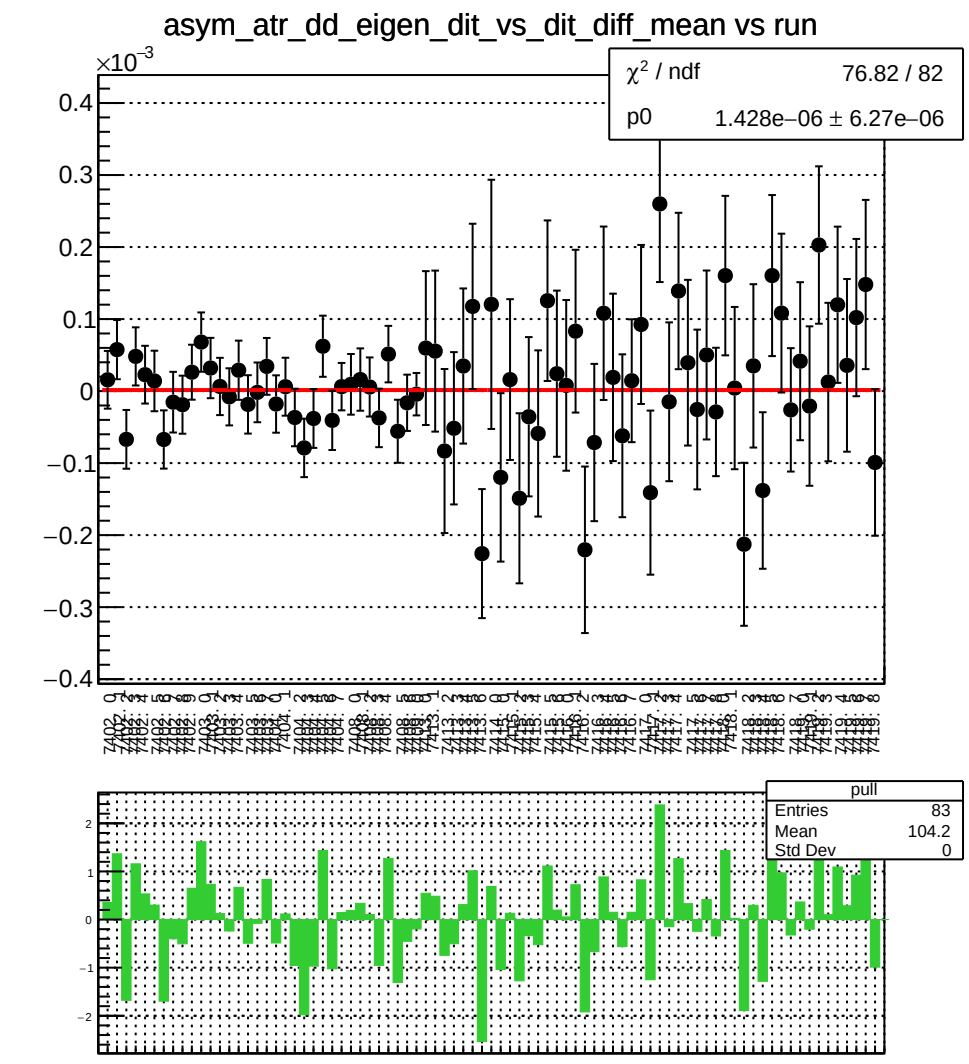

pull1D
Entries 83
Mean −0.05459
Std Dev 1.084

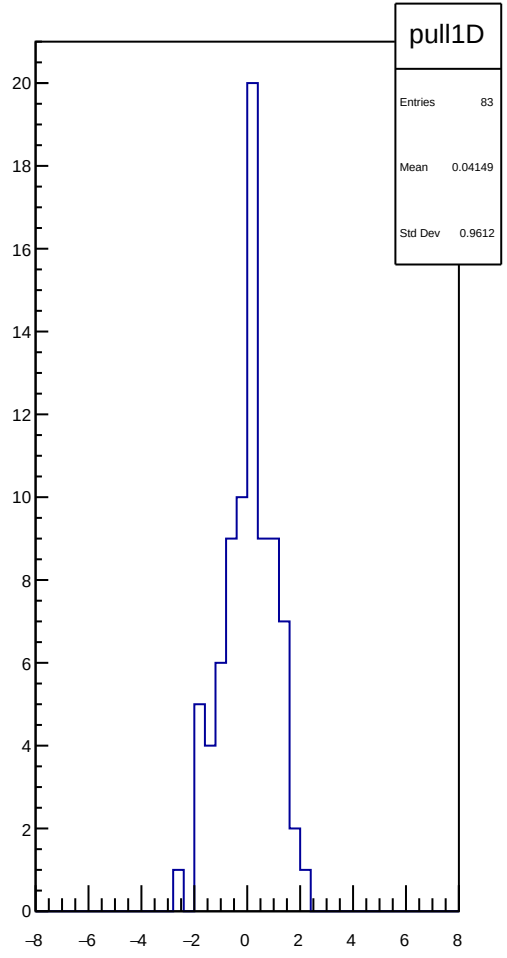

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.23e+05 / 82
p0 350.8 ± 0.3013
600
500
400
300
200

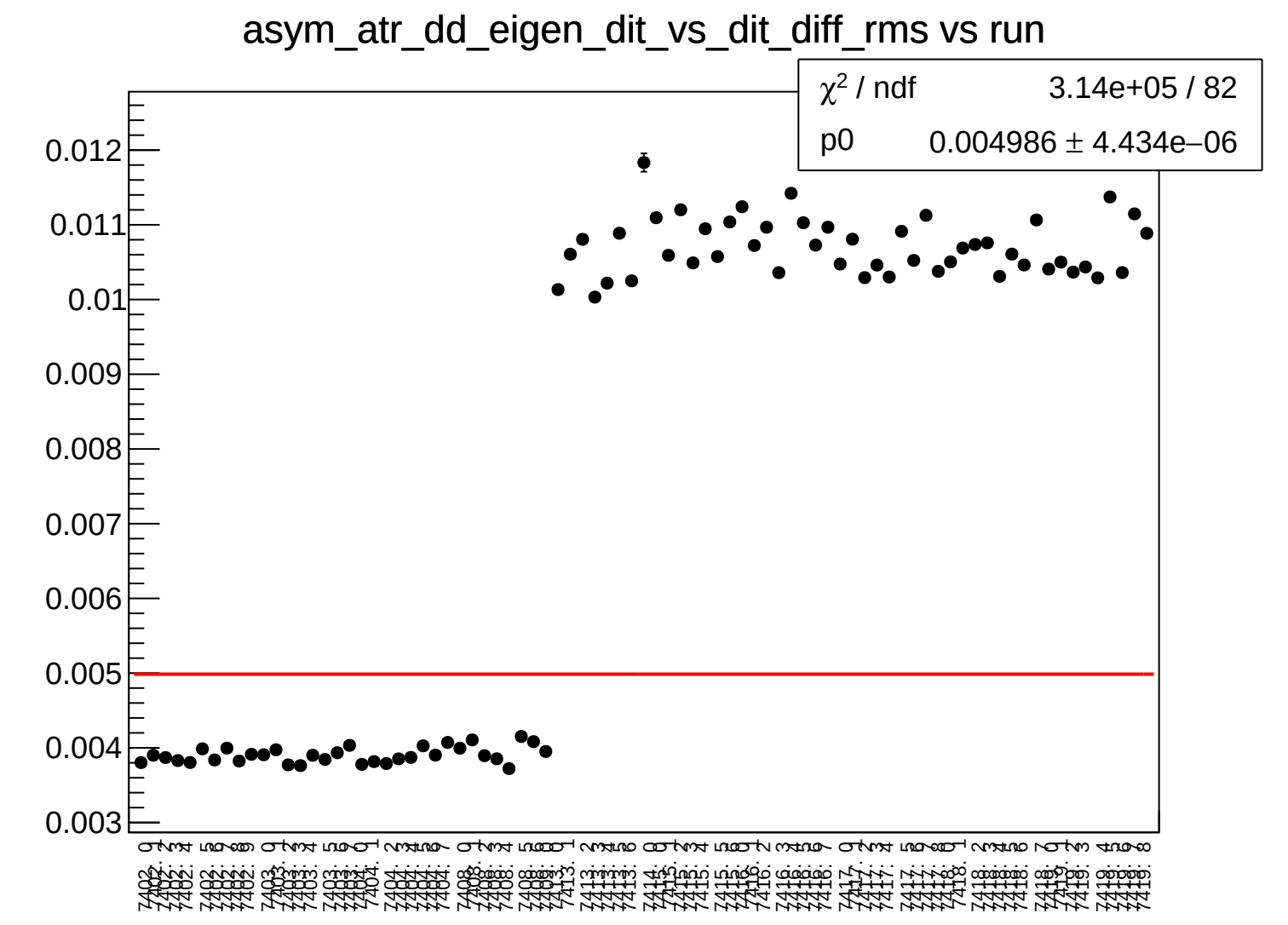

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.74 / 82
p0 −0.363 ± 0.4261
pull
Entries 83
Mean 65.72
Std Dev 28.37

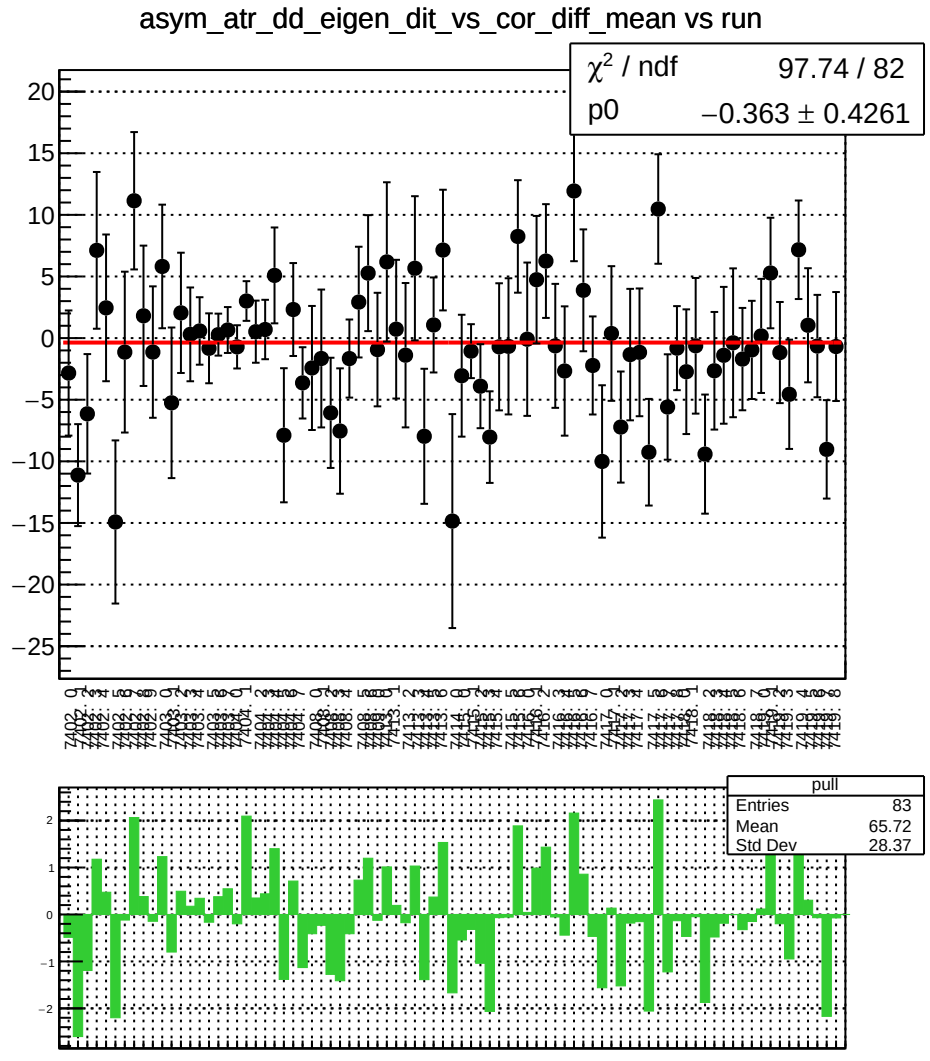

pull1D
Entries 83
Mean −0.05459
Std Dev 1.084

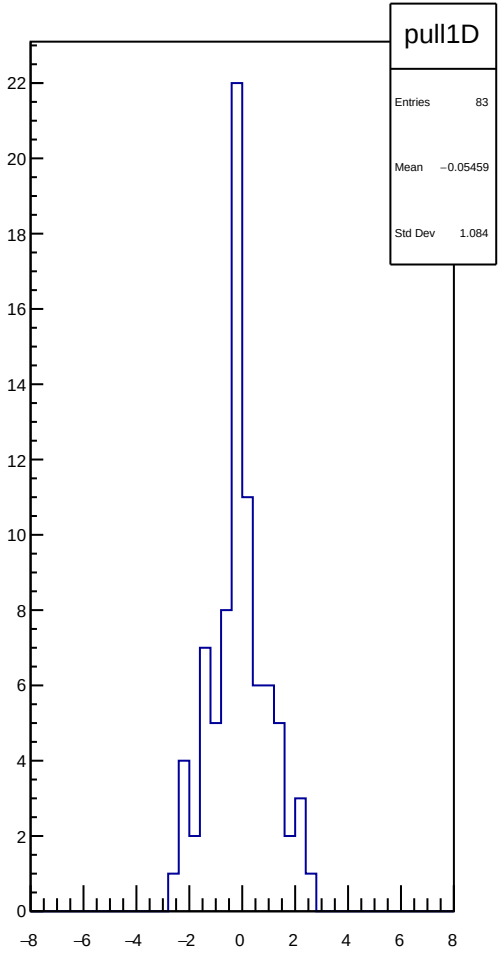

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.23e+05 / 82
p0 350.8 ± 0.3013
600
500
400
300
200

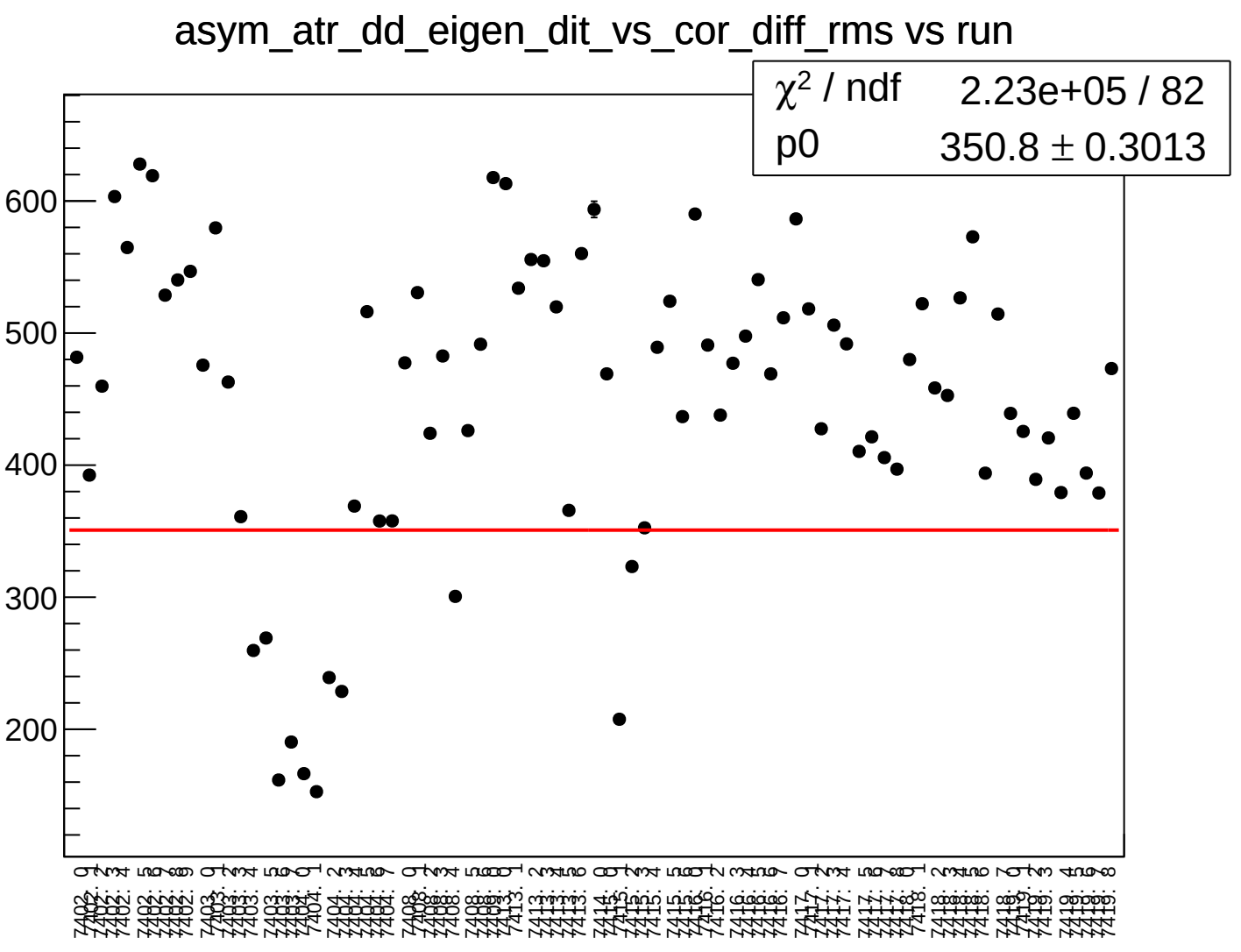

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.82 / 82
p0 1.428e−06 ± 6.27e−06
pull
Entries 83
Mean 104.2
Std Dev 0

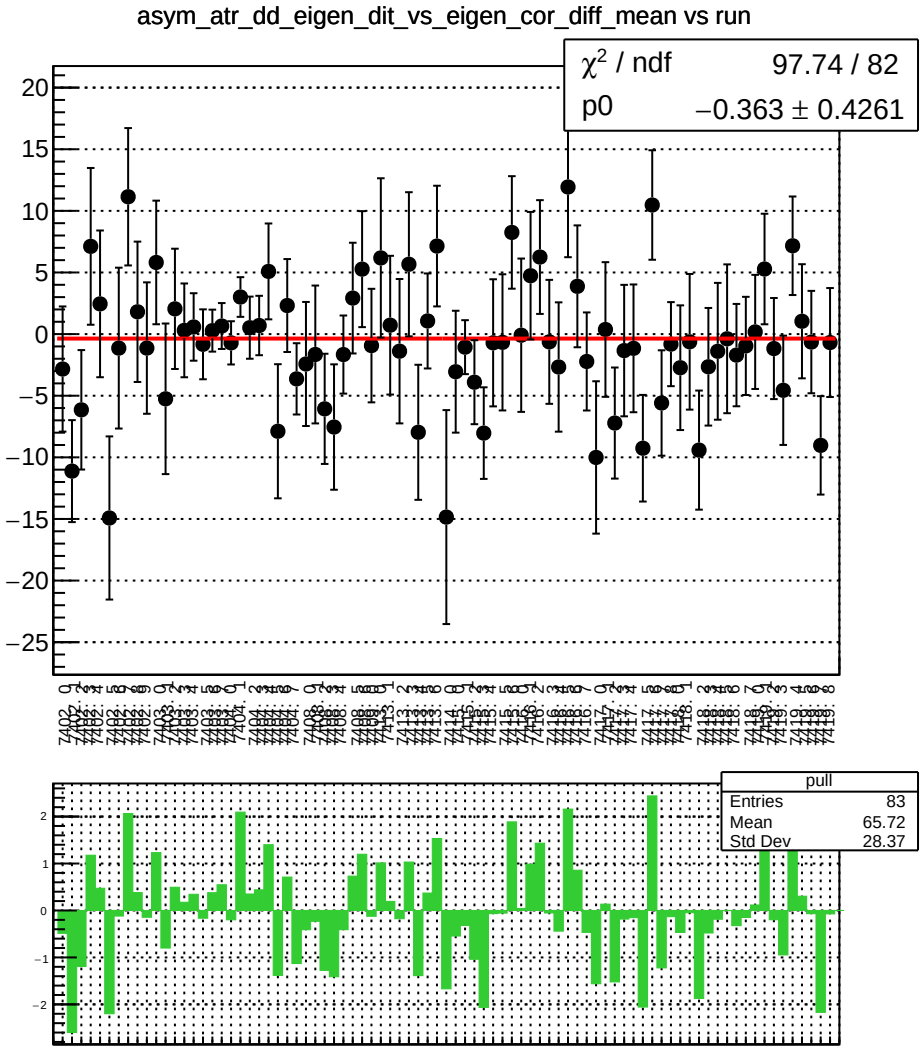

pull1D
Entries 83
Mean 0.04149
Std Dev 0.9612

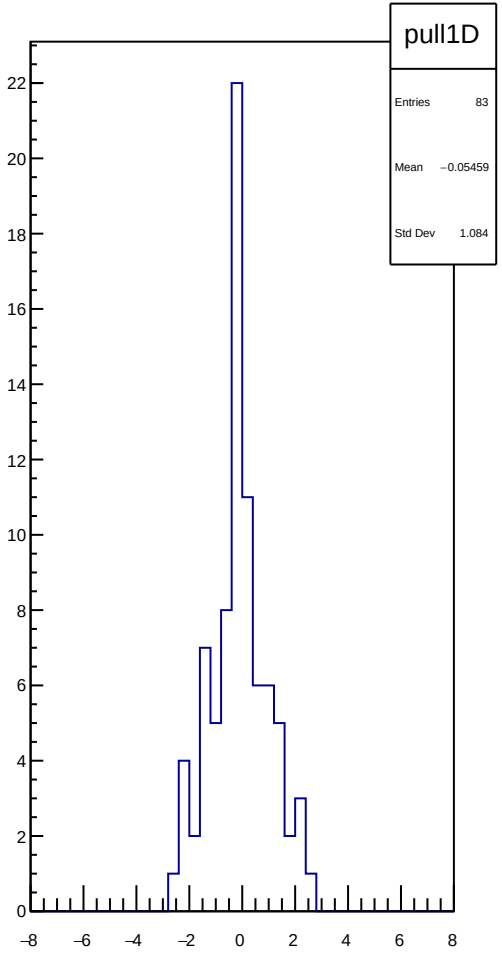

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.14e+05 / 82
p0 0.004986 ± 4.434e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

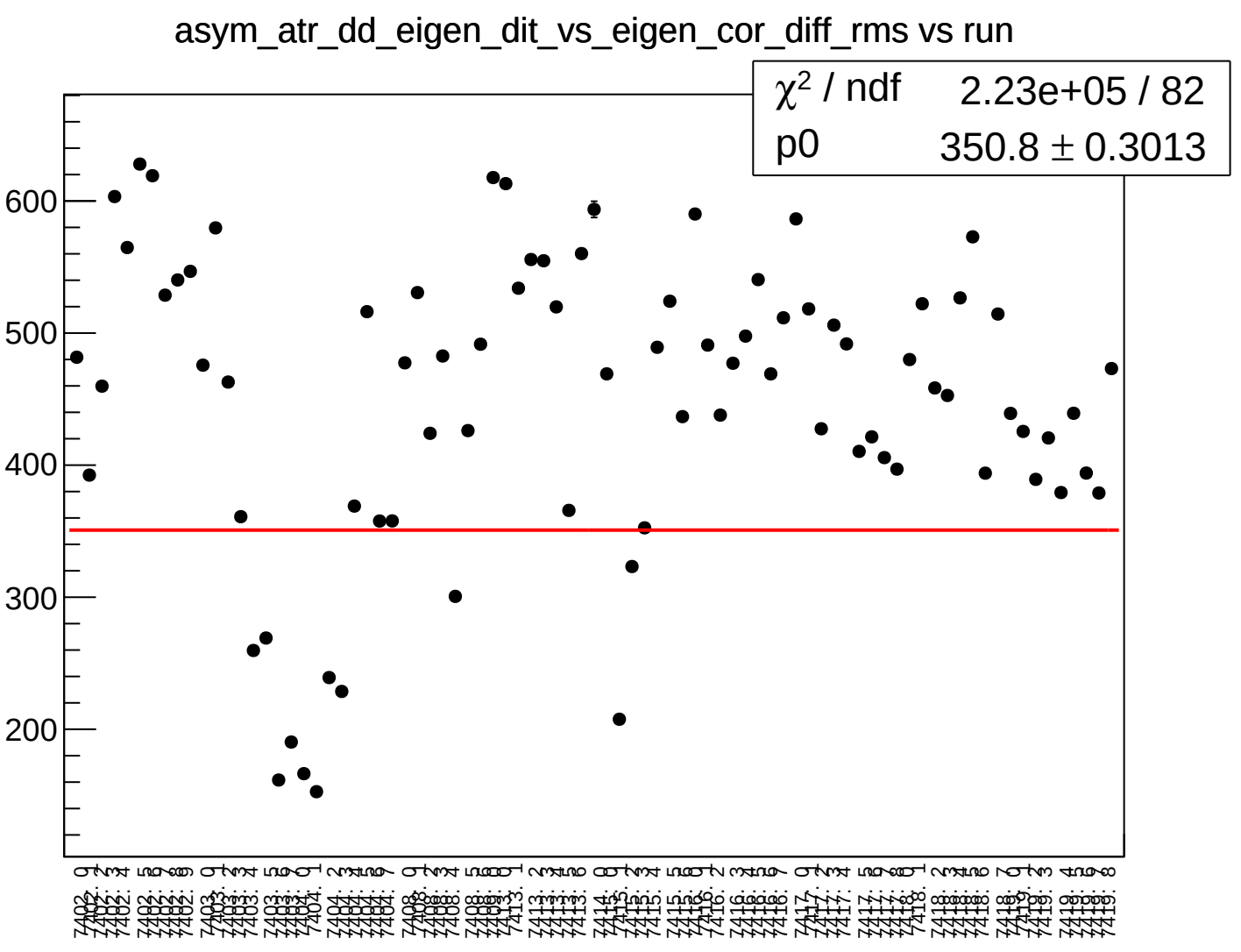

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 97.74 / 82
p0 −0.363 ± 0.4261
pull
Entries 83
Mean 65.72
Std Dev 28.37

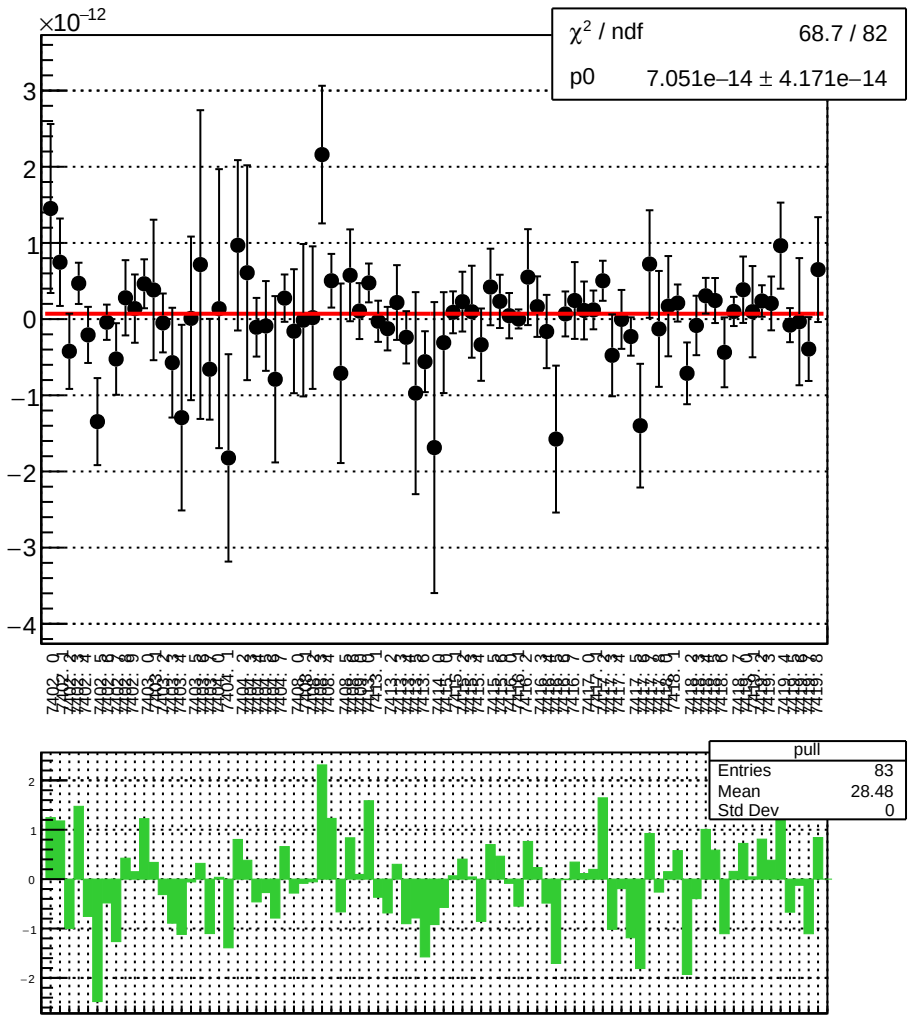

pull1D
Entries 83
Mean −0.05459
Std Dev 1.084

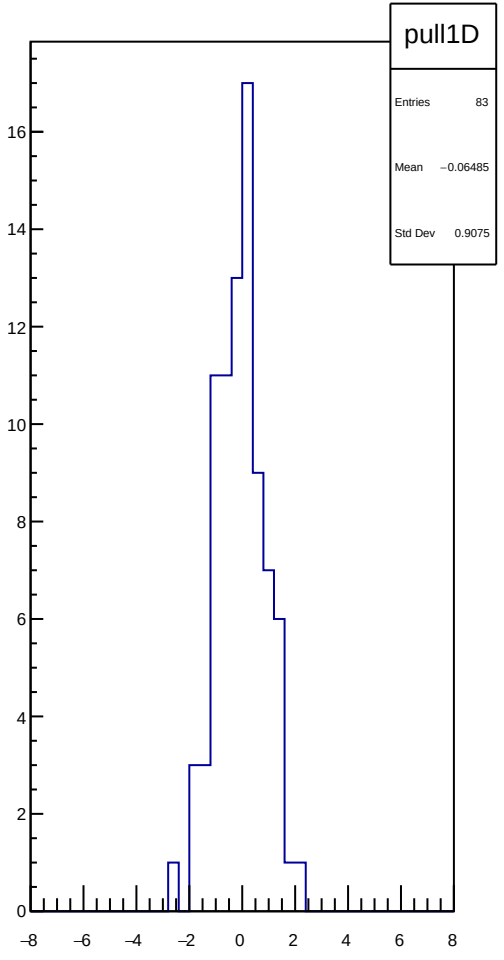

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.23e+05 / 82
p0 350.8 ± 0.3013
600
500
400
300
200

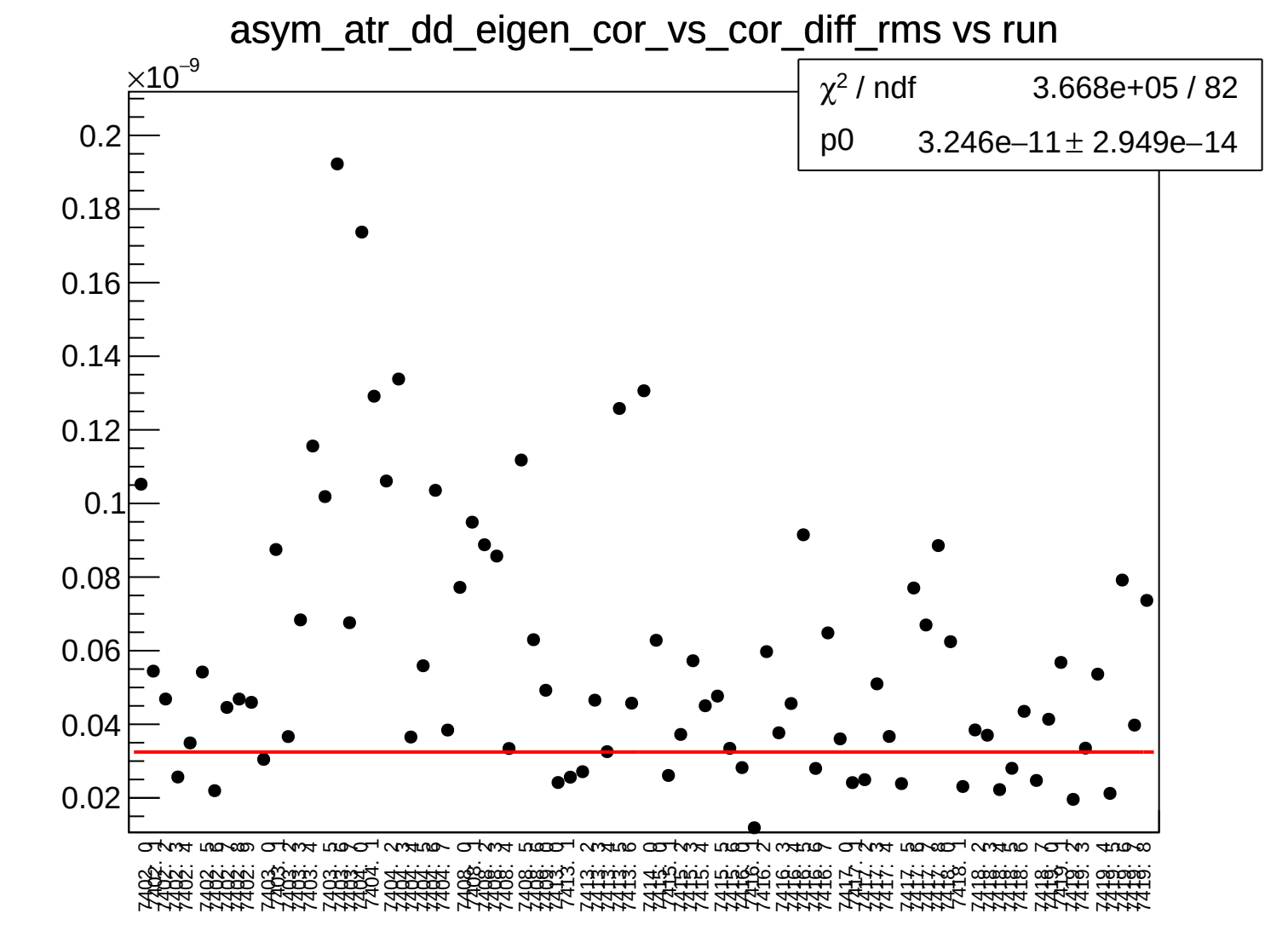

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.74 / 82
p0 −0.363 ± 0.4261
pull
Entries 83
Mean 65.72
Std Dev 28.37

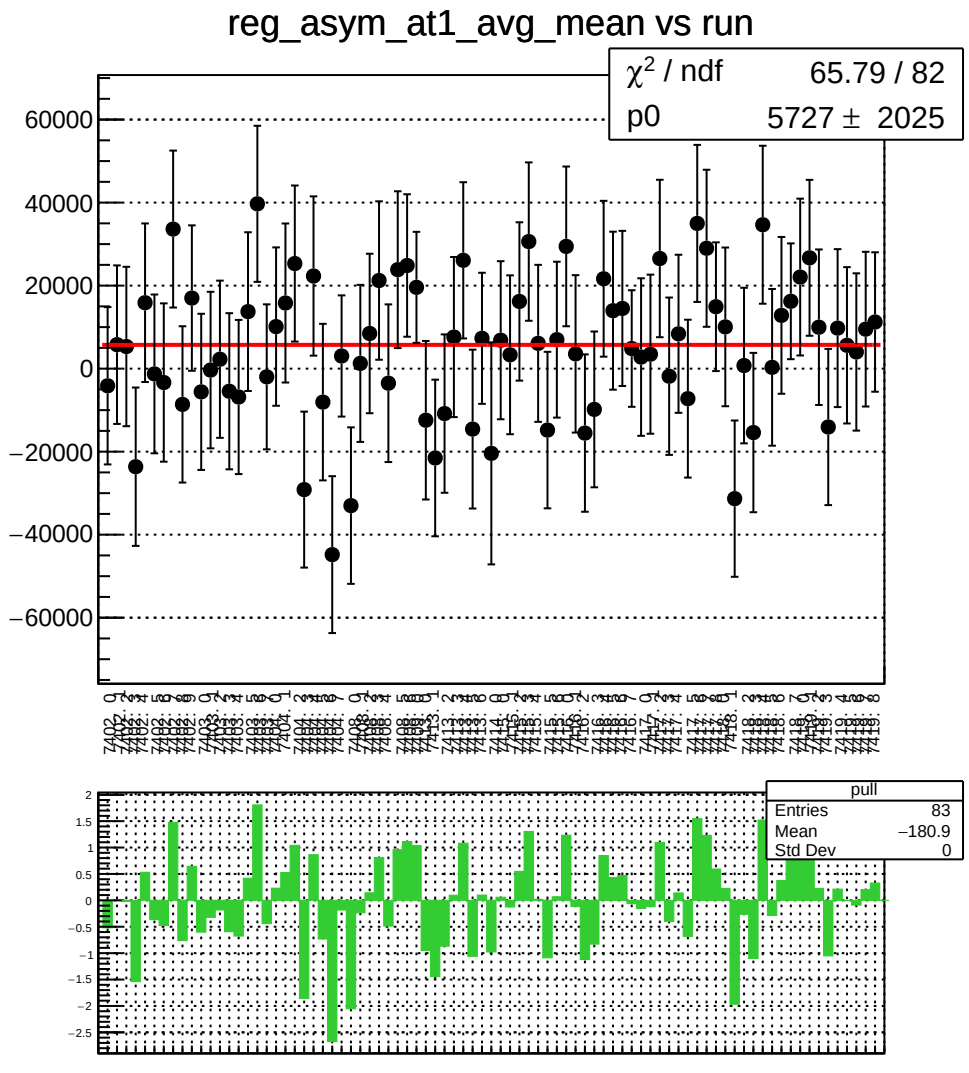

pull1D
Entries 83
Mean −0.05459
Std Dev 1.084

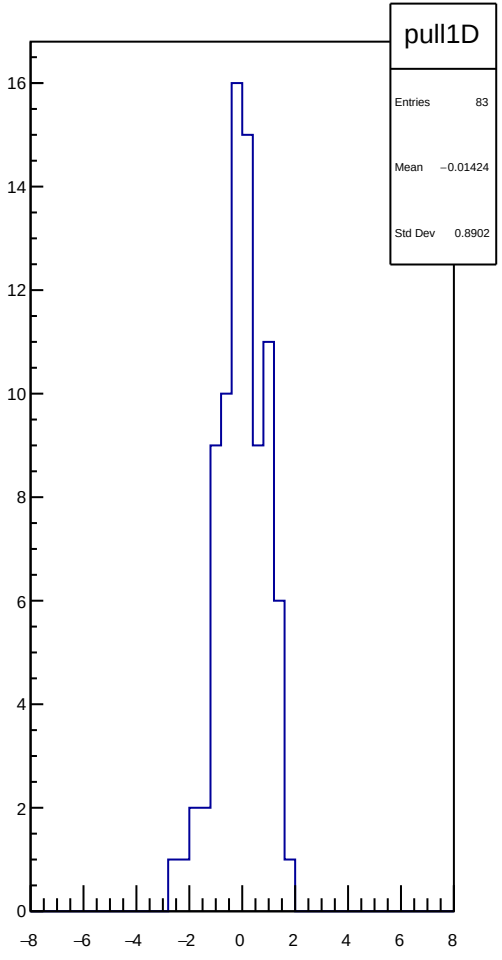

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.23e+05 / 82
p0 350.8 ± 0.3013
600
500
400
300
200

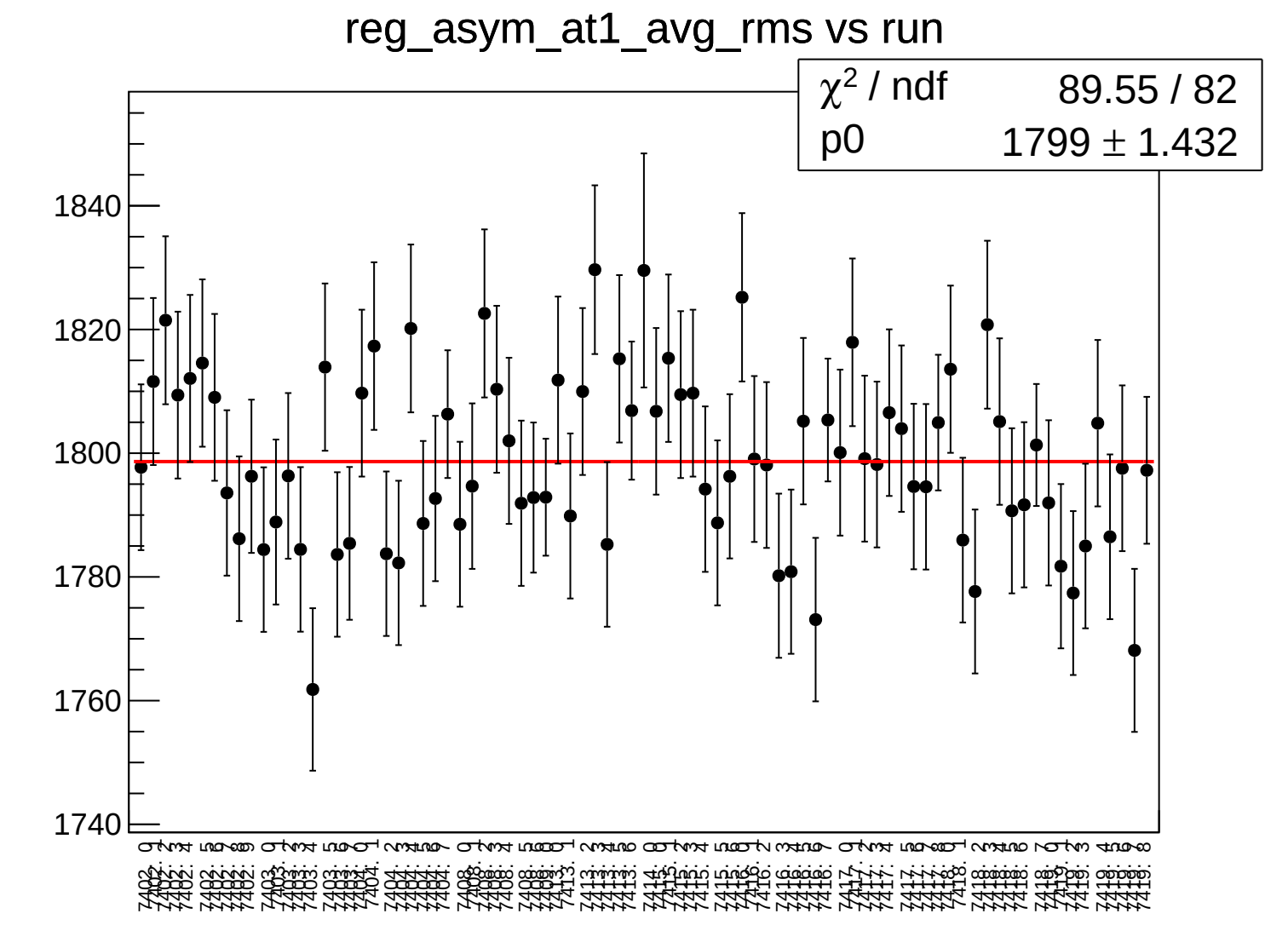

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.7 / 82
p0 7.051e−14 ± 4.171e−14
pull
Entries 83
Mean 28.48
Std Dev 0

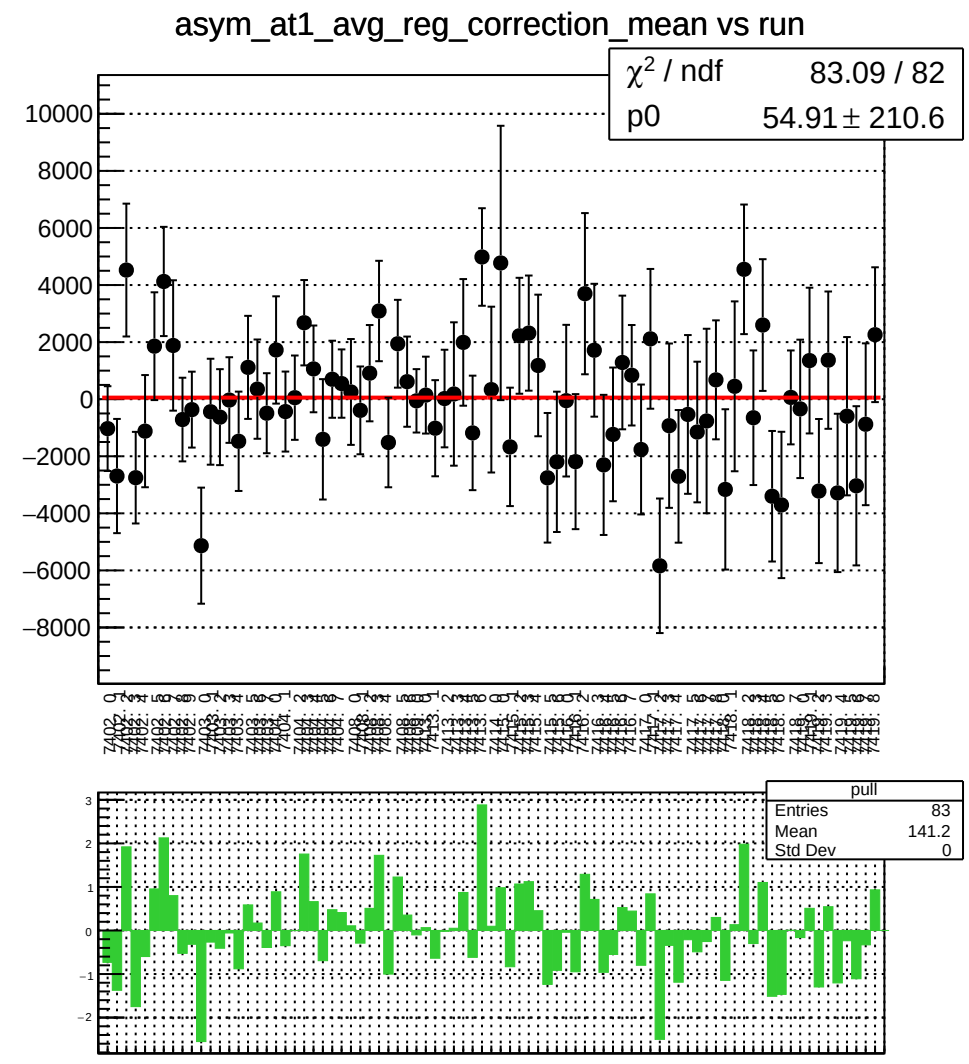

pull1D
Entries 83
Mean −0.06485
Std Dev 0.9075

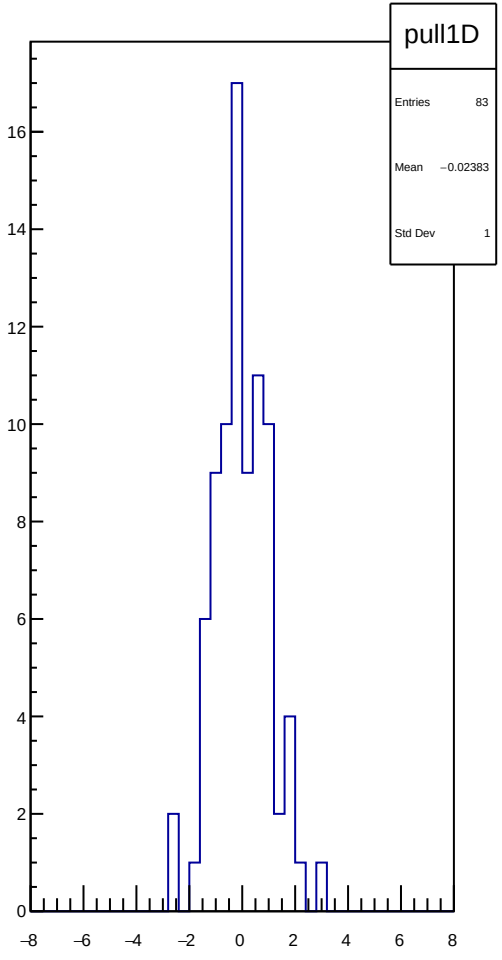

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.668e+05 / 82
p0 3.246e−11 ± 2.949e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

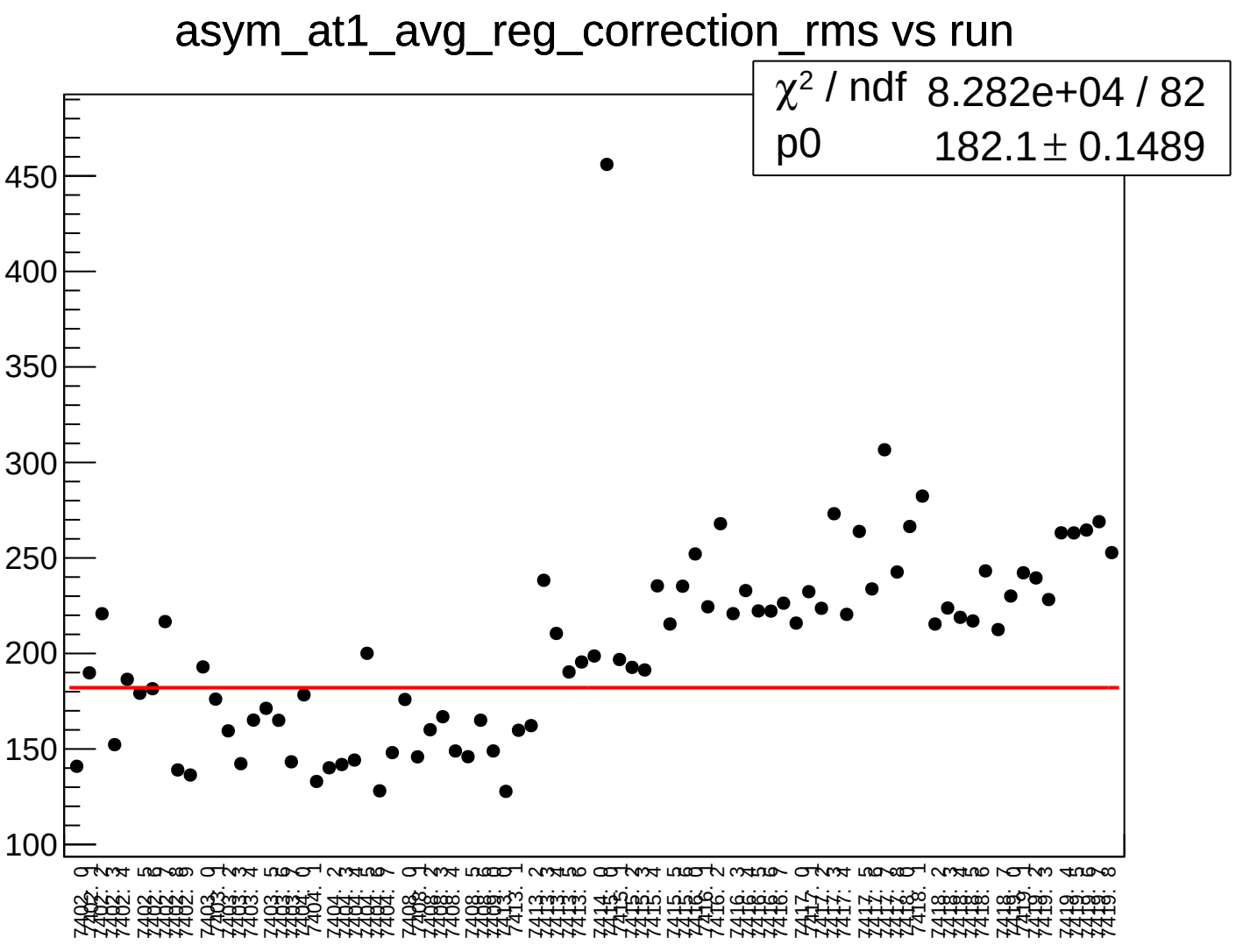

reg_asym_at1_avg_mean vs run
χ² / ndf 65.79 / 82
p0 5727 ± 2025
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −180.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

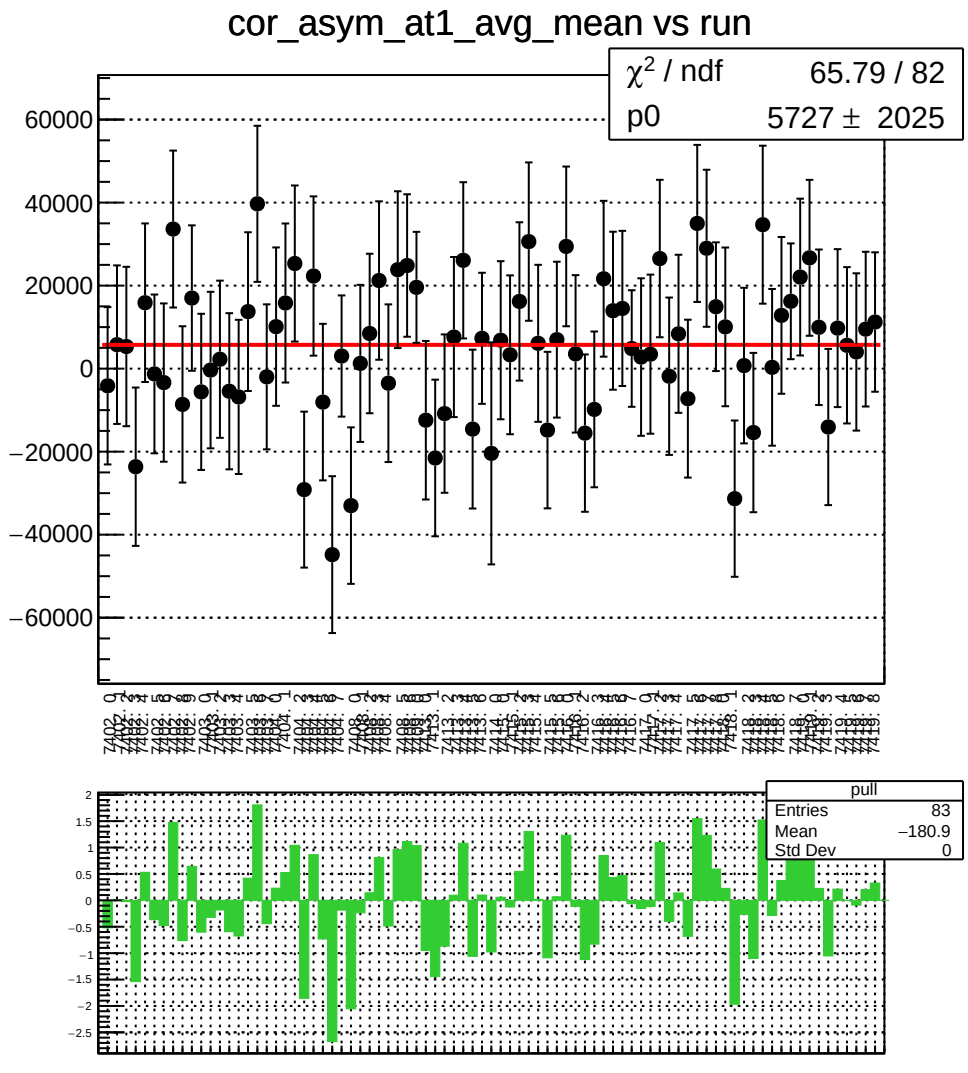

pull1D
Entries 83
Mean −0.01424
Std Dev 0.8902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

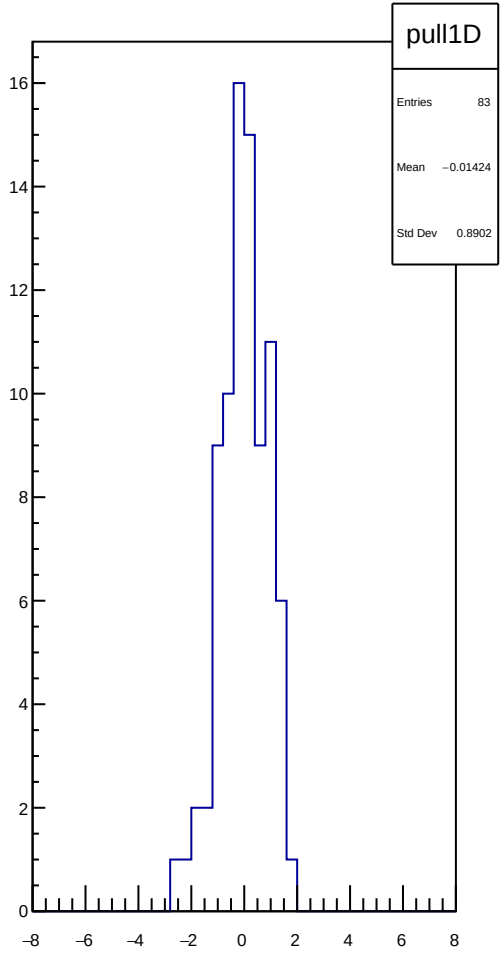

reg_asym_at1_avg_rms vs run
χ^2 / ndf 89.55 / 82
p0 1799 ± 1.432
1840
1820
1800
1780
1760
1740

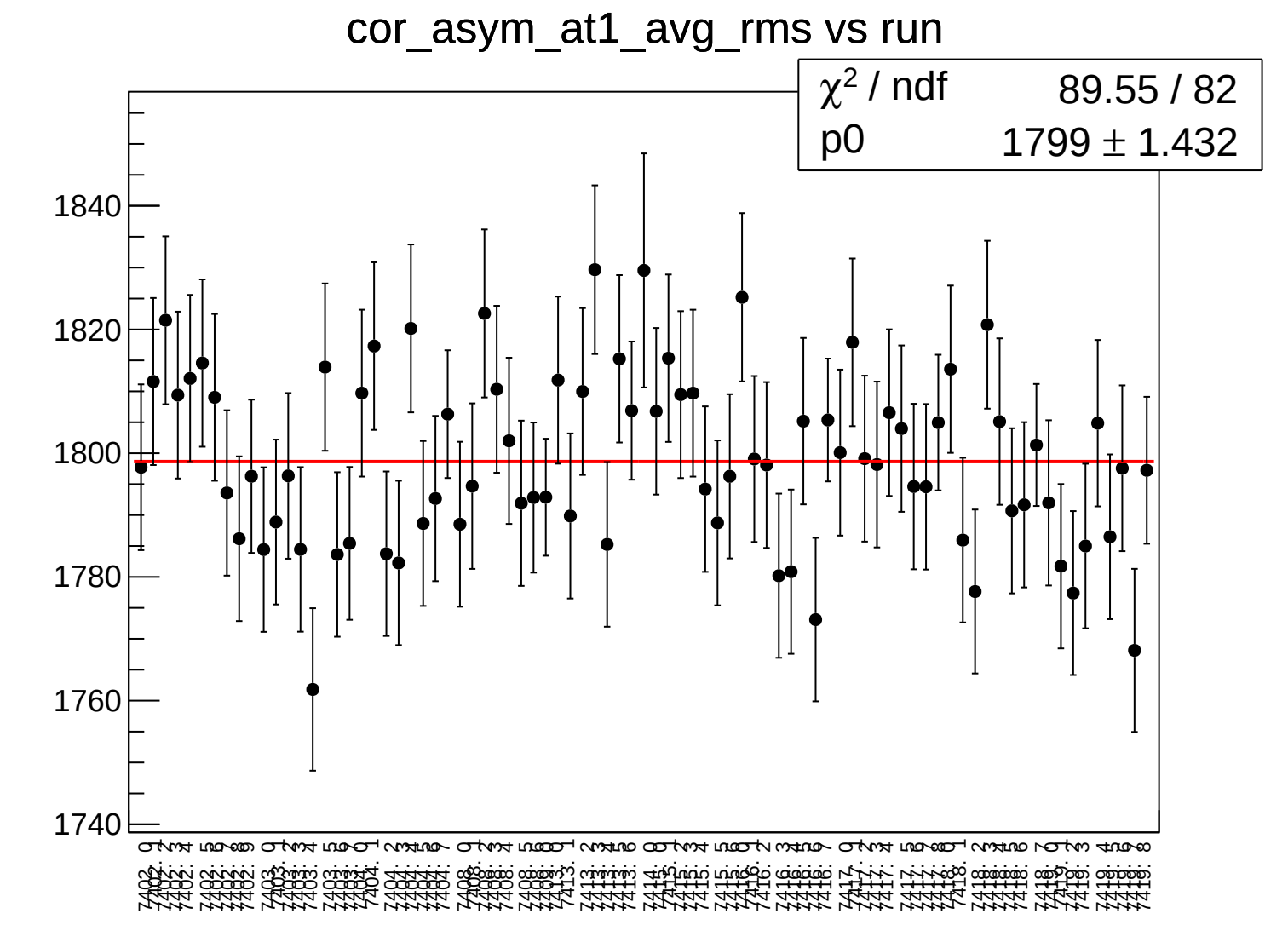

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 83.09 / 82
p0 54.91 ± 210.6
pull
Entries 83
Mean 141.2
Std Dev 0

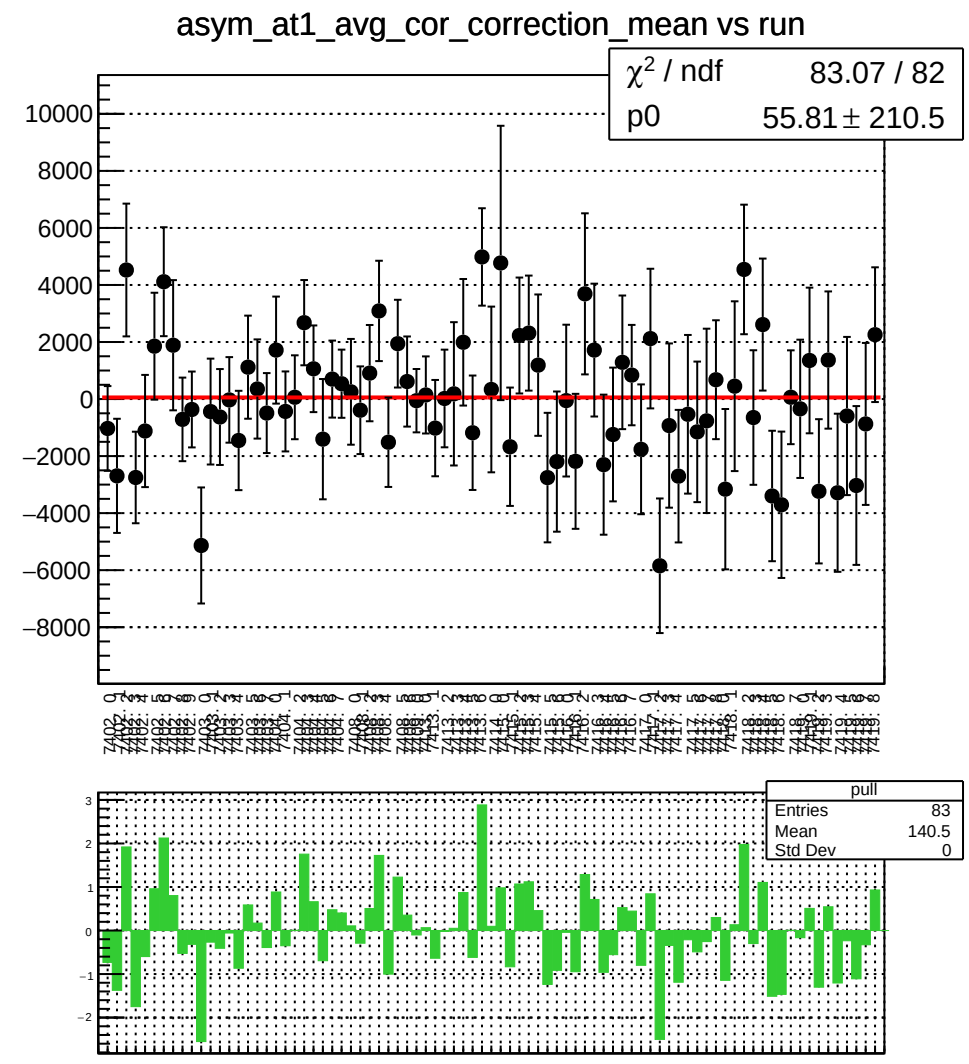

pull1D
Entries 83
Mean −0.02383
Std Dev 1

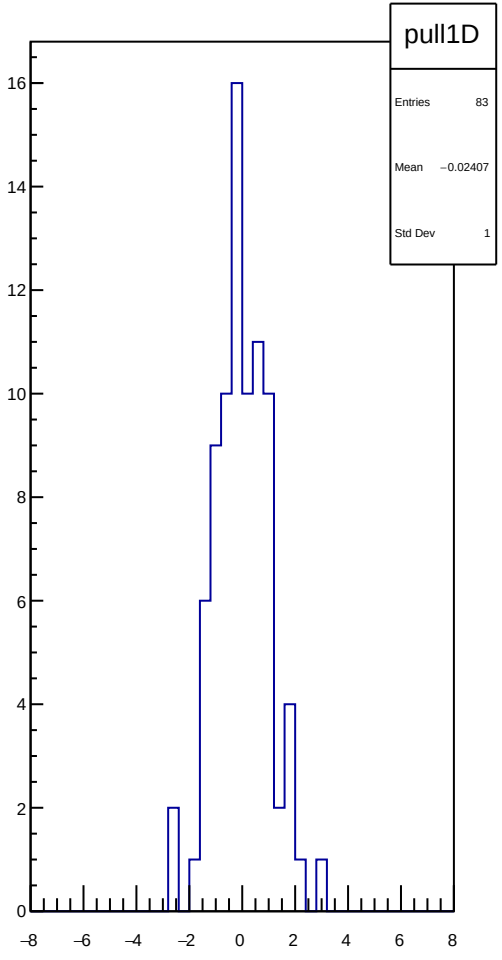

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 8.282e+04 / 82
p0 182.1 ± 0.1489
450
400
350
300
250
200
150
100

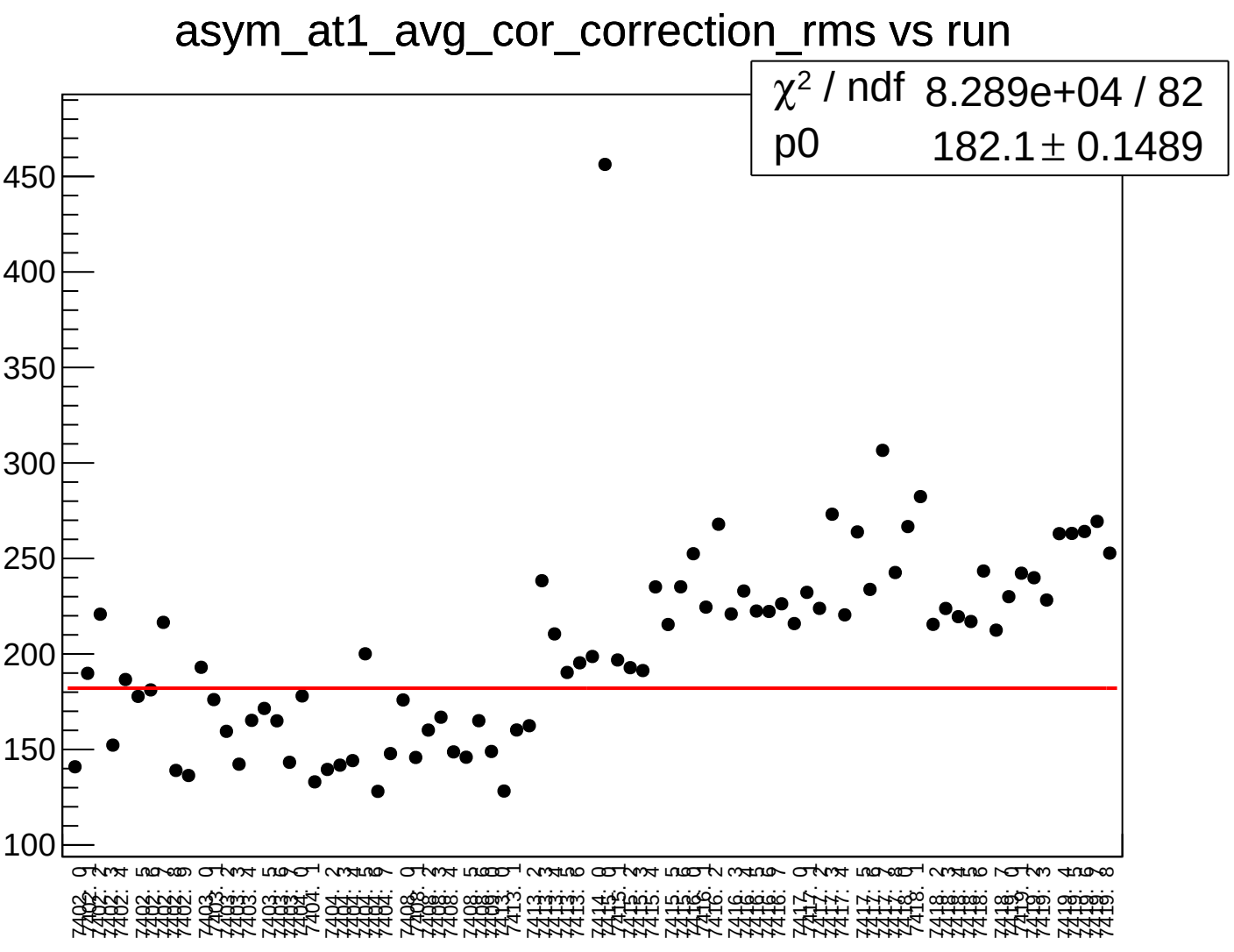

cor_asym_at1_avg_mean vs run
χ² / ndf 65.79 / 82
p0 5727 ± 2025
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −180.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

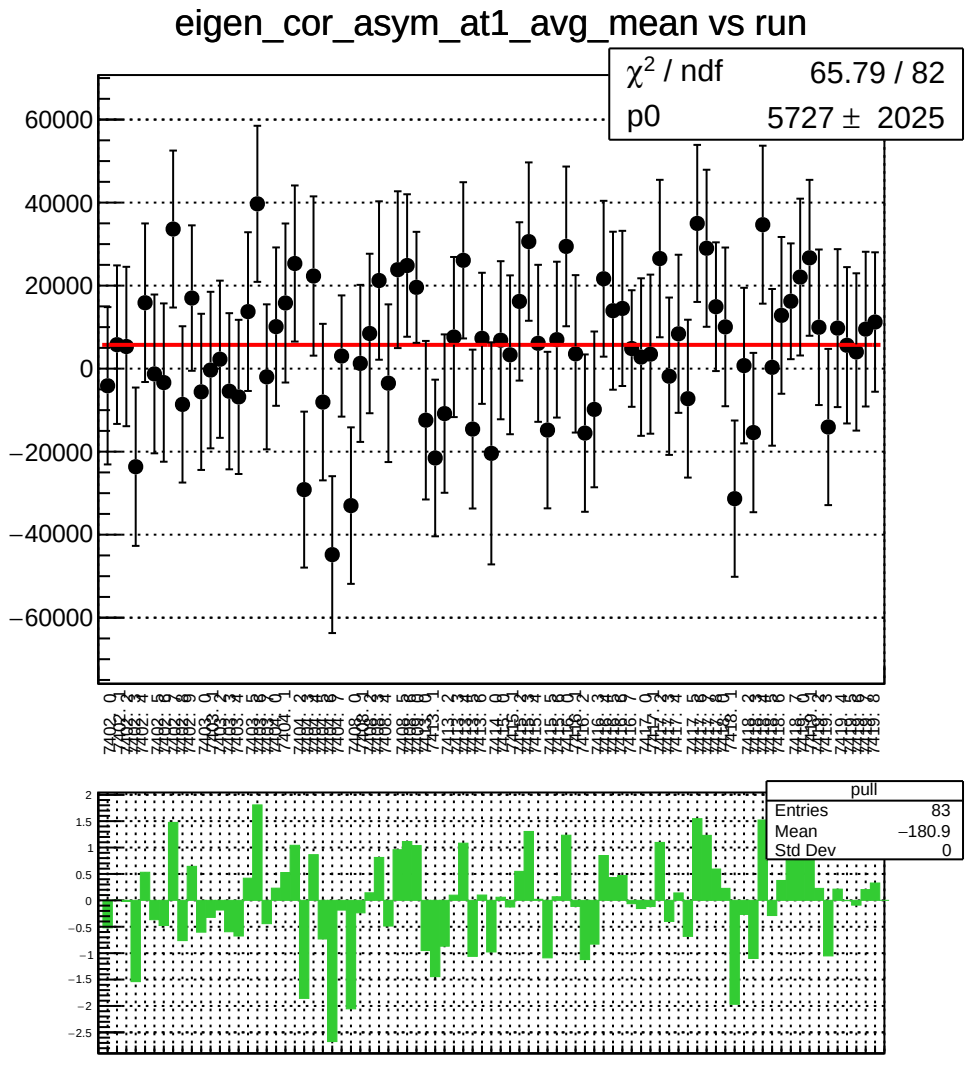

pull1D
Entries 83
Mean −0.01424
Std Dev 0.8902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

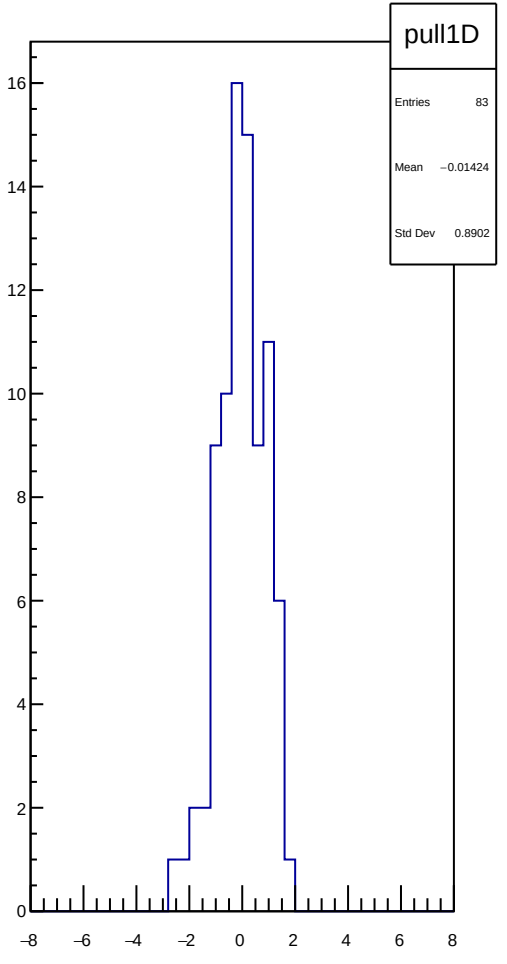

cor_asym_at1_avg_rms vs run
χ^2 / ndf 89.55 / 82
p0 1799 ± 1.432
1840
1820
1800
1780
1760
1740

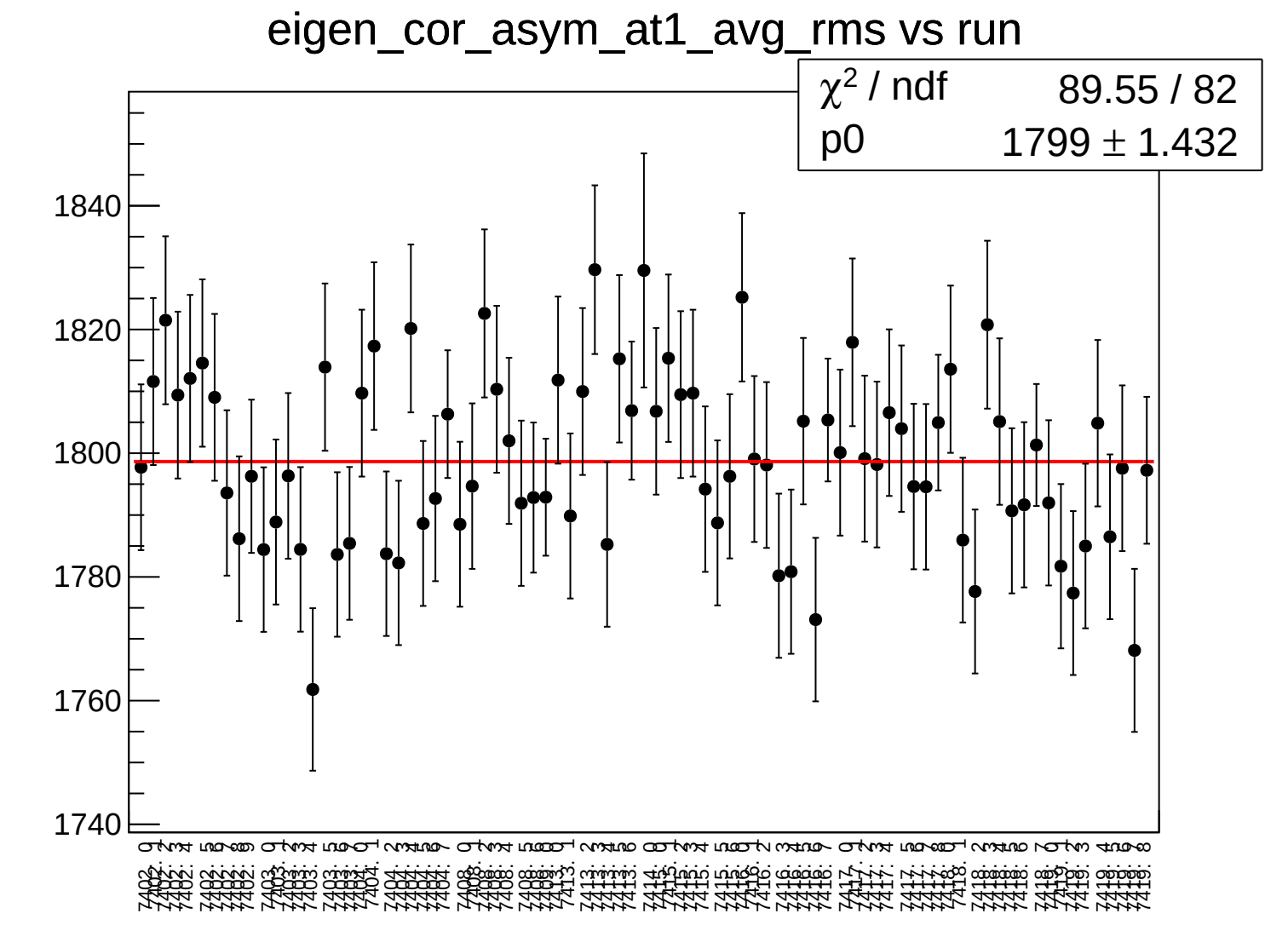

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 83.07 / 82
p0 55.81 ± 210.5
pull
Entries 83
Mean 140.5
Std Dev 0

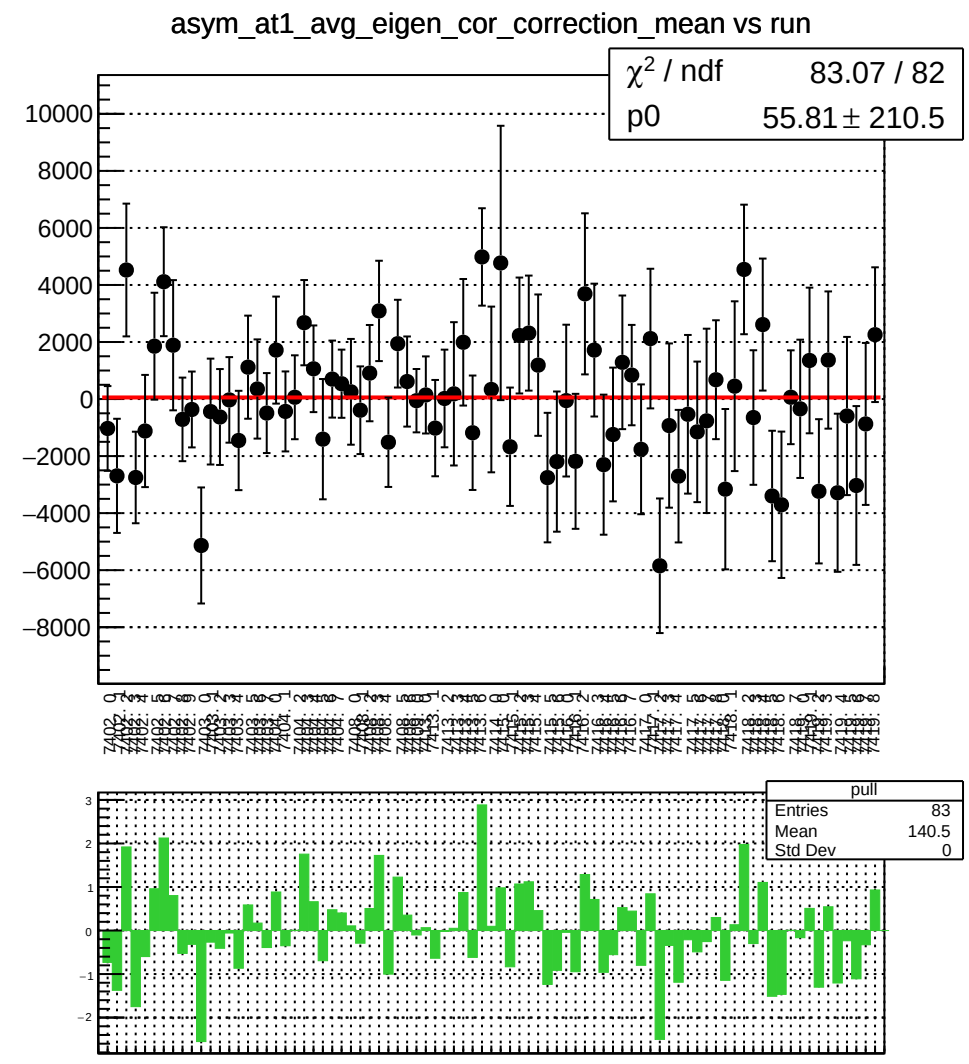

pull1D
Entries 83
Mean −0.02407
Std Dev 1

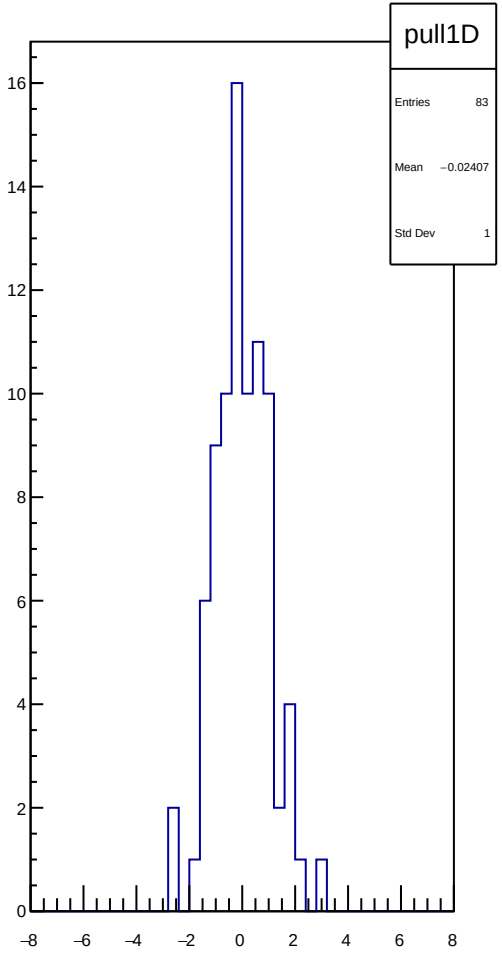

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 8.289e+04 / 82
p0 182.1 ± 0.1489
450
400
350
300
250
200
150
100

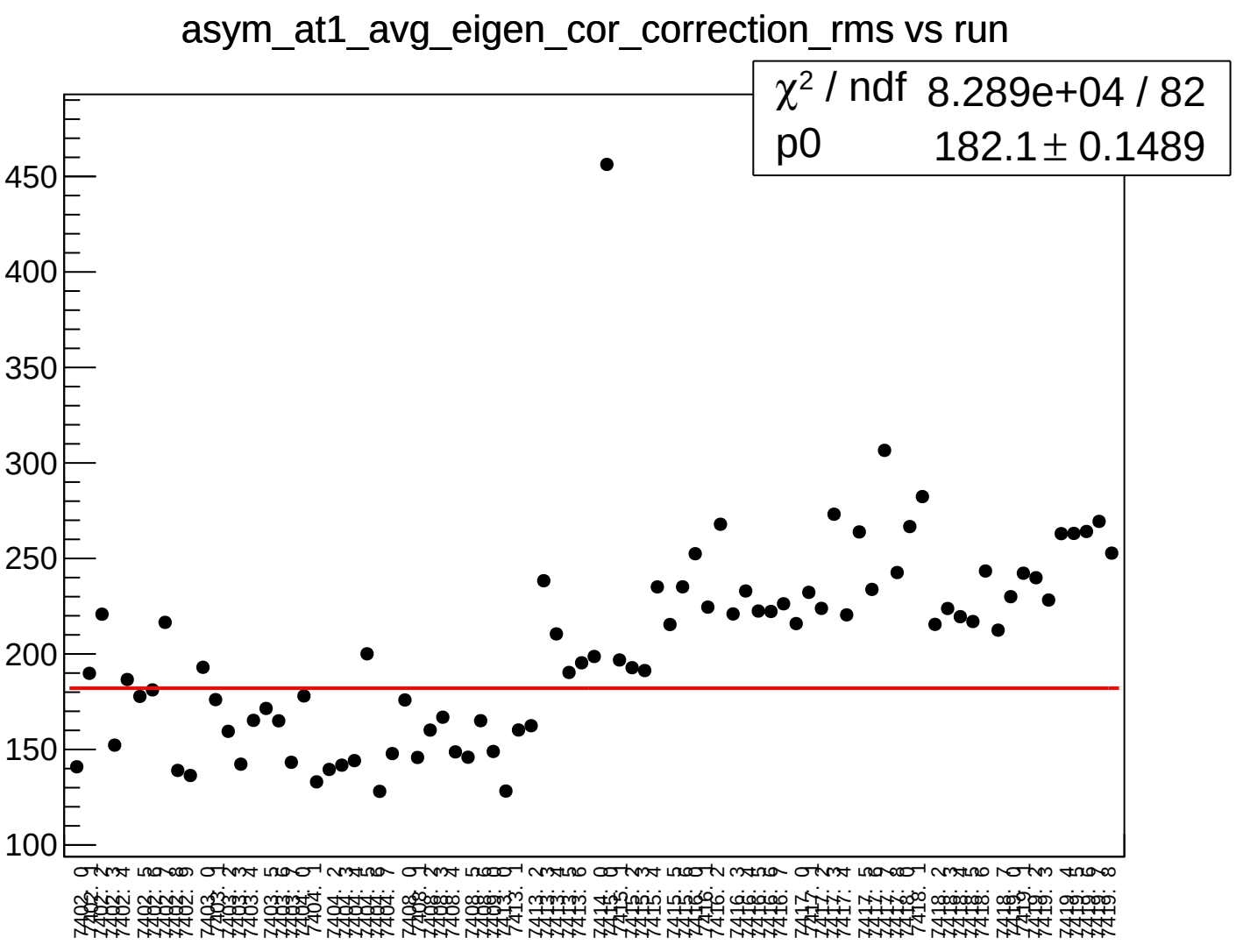

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 65.79 / 82
p0 5727 ± 2025
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −180.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

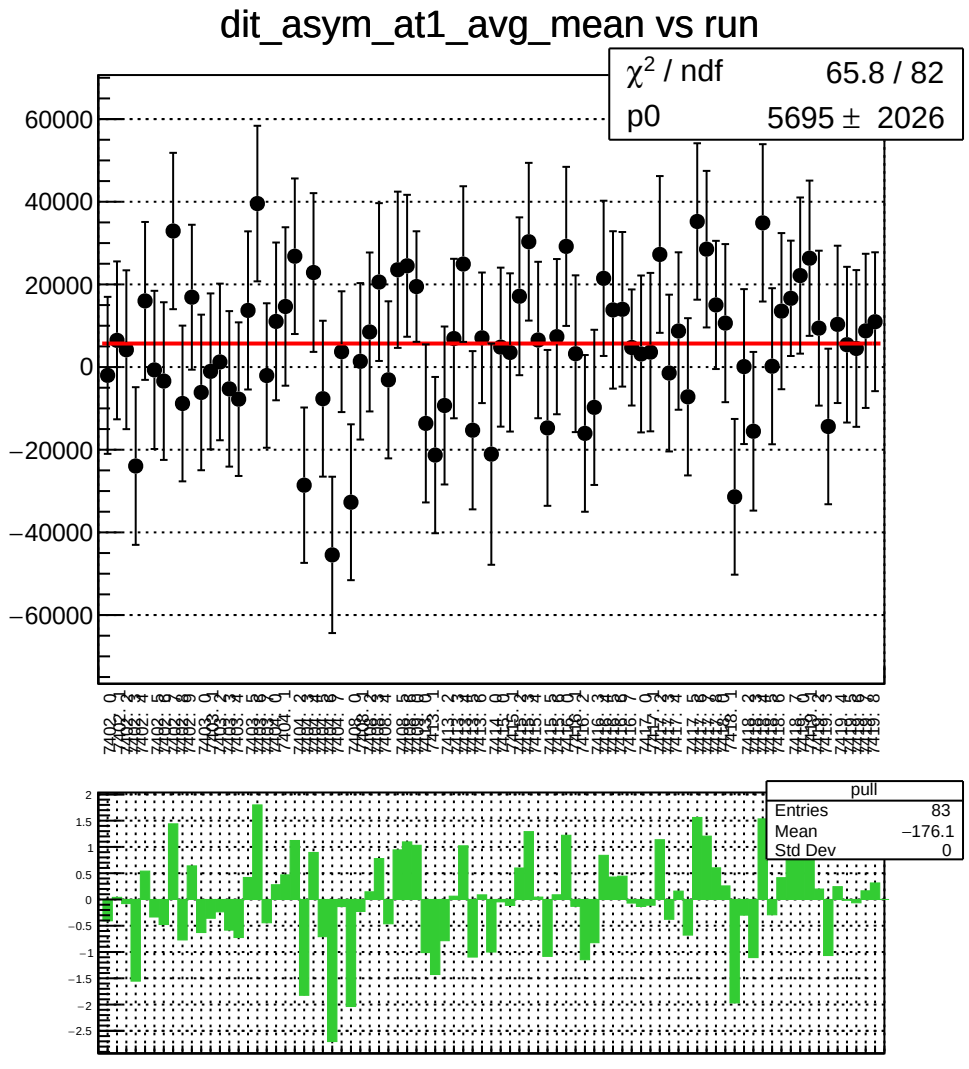

pull1D
Entries 83
Mean −0.01424
Std Dev 0.8902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

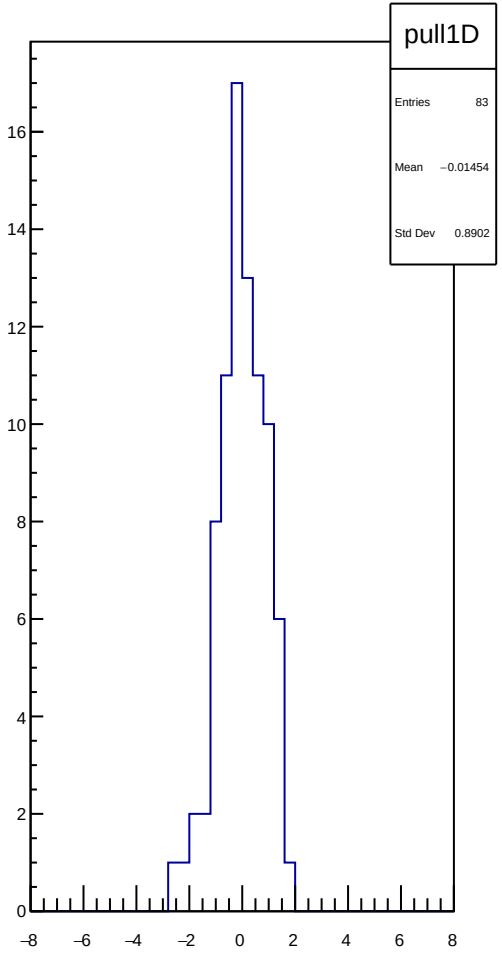

eigen_cor_asym_at1_avg_rms vs run
χ^2 / ndf 89.55 / 82
p0 1799 ± 1.432
1840
1820
1800
1780
1760
1740

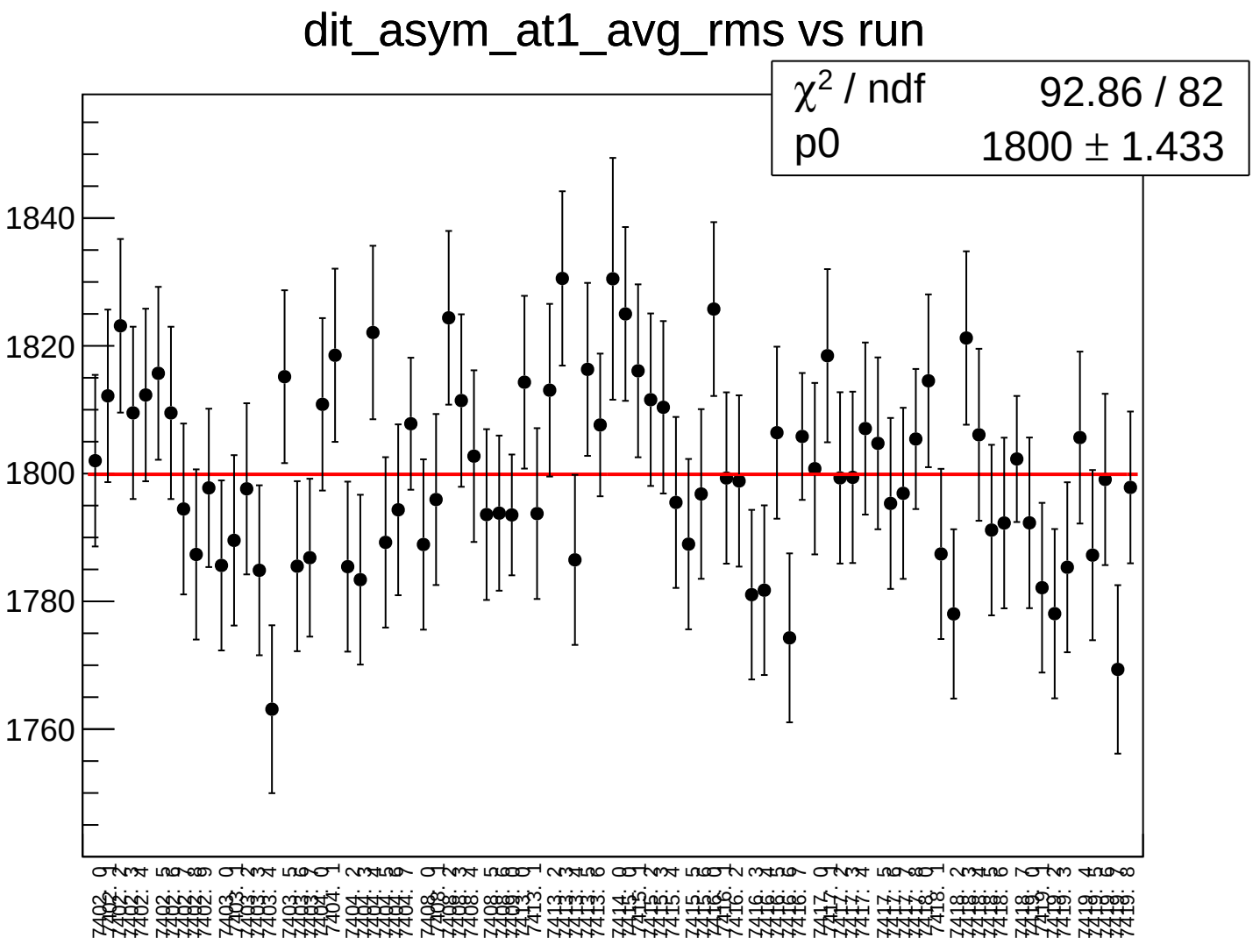

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.07 / 82
p0 55.81 ± 210.5
pull
Entries 83
Mean 140.5
Std Dev 0

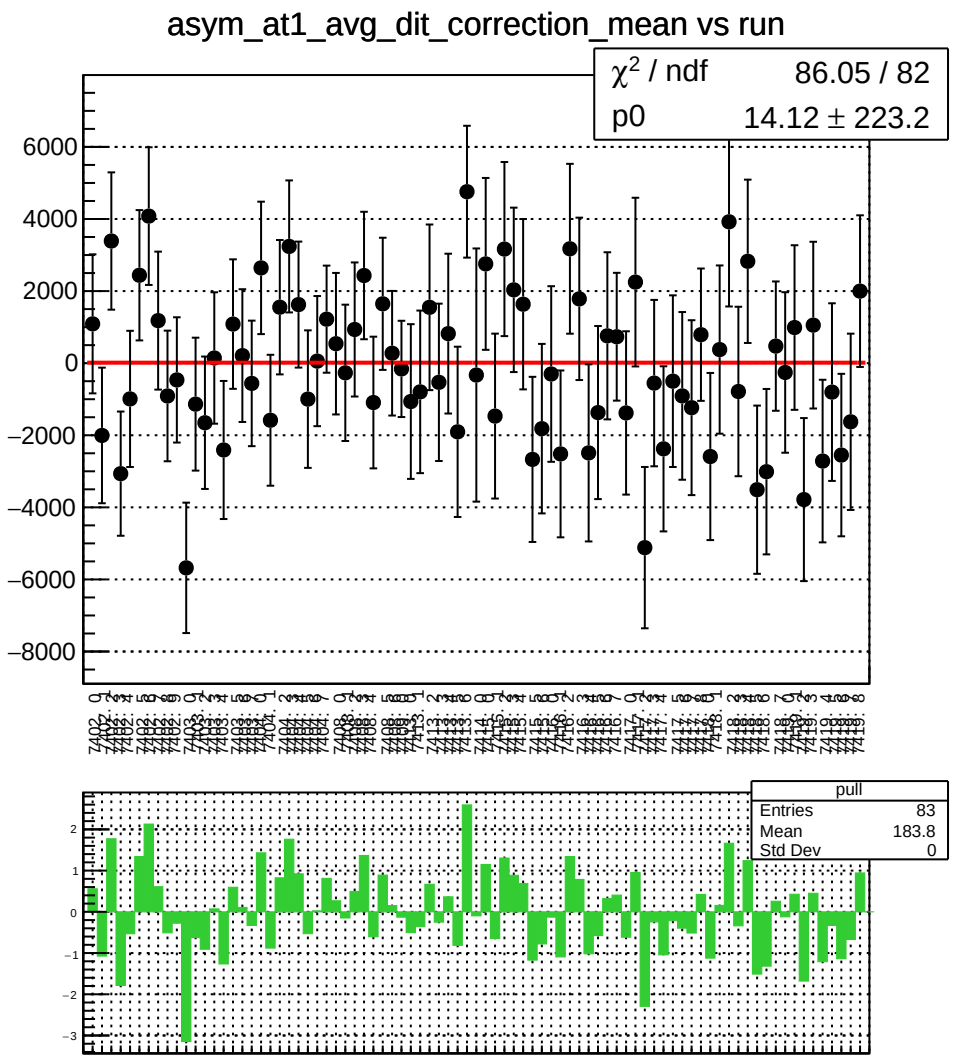

pull1D
Entries 83
Mean −0.02407
Std Dev 1

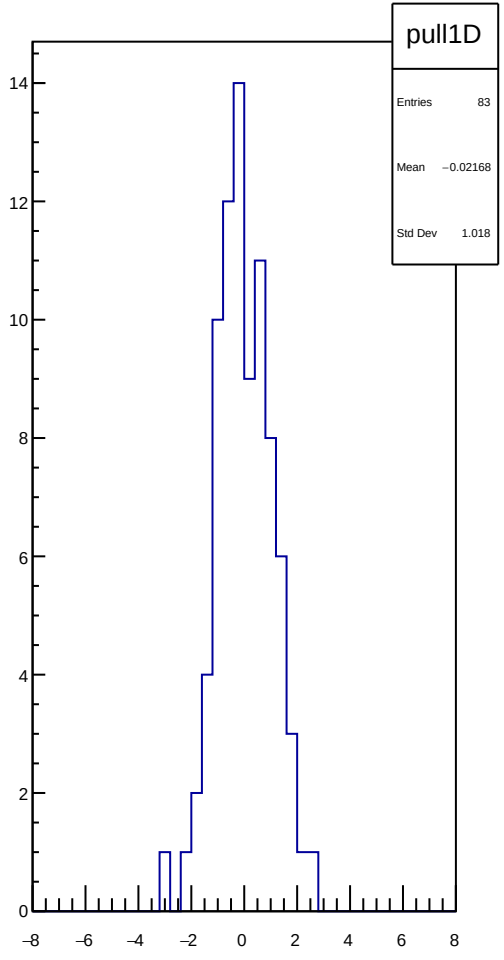

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 8.289e+04 / 82
p0 182.1 ± 0.1489
450
400
350
300
250
200
150
100

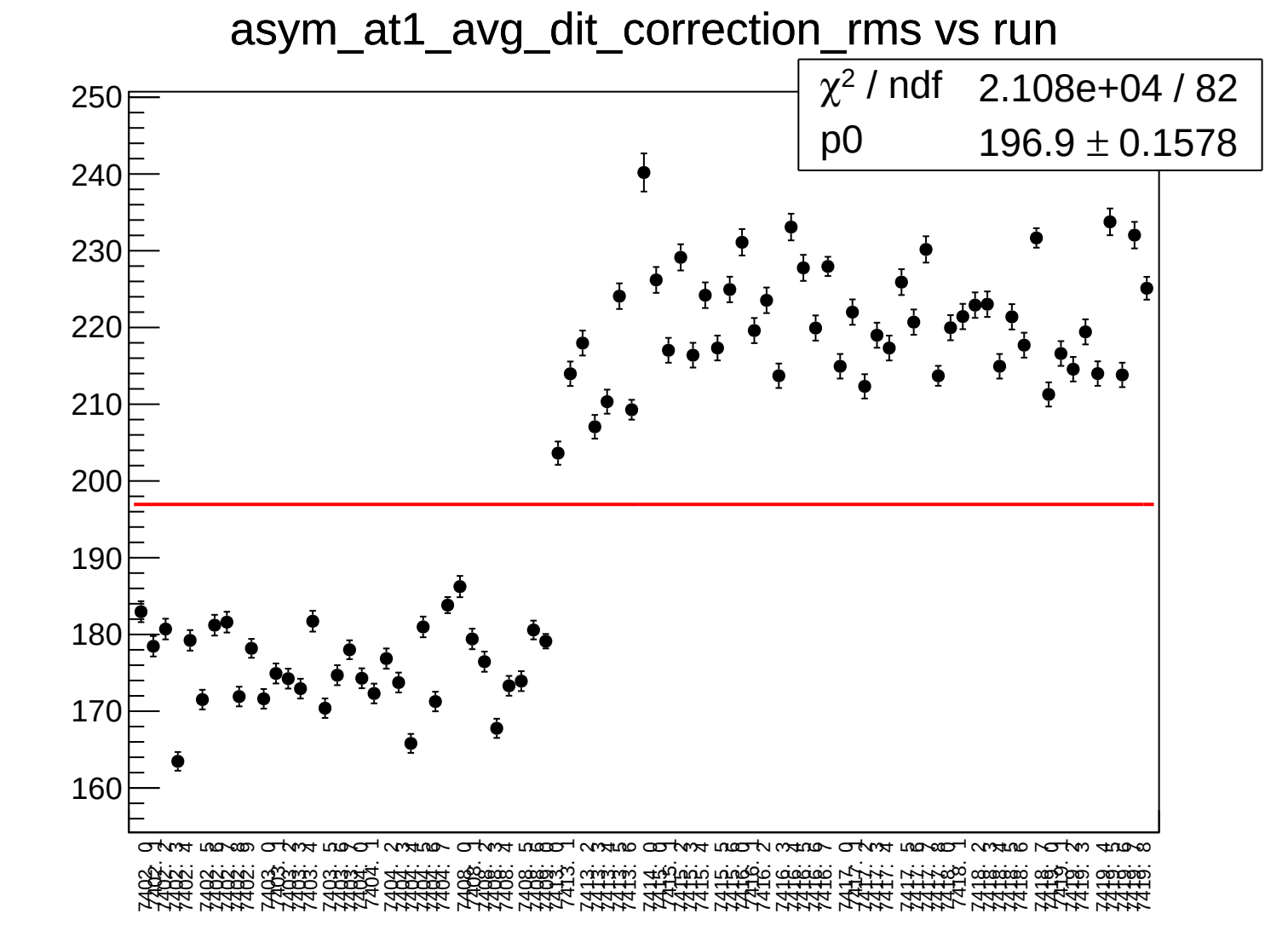

dit_asym_at1_avg_mean vs run
χ² / ndf 65.8 / 82
p0 5695 ± 2026
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −176.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

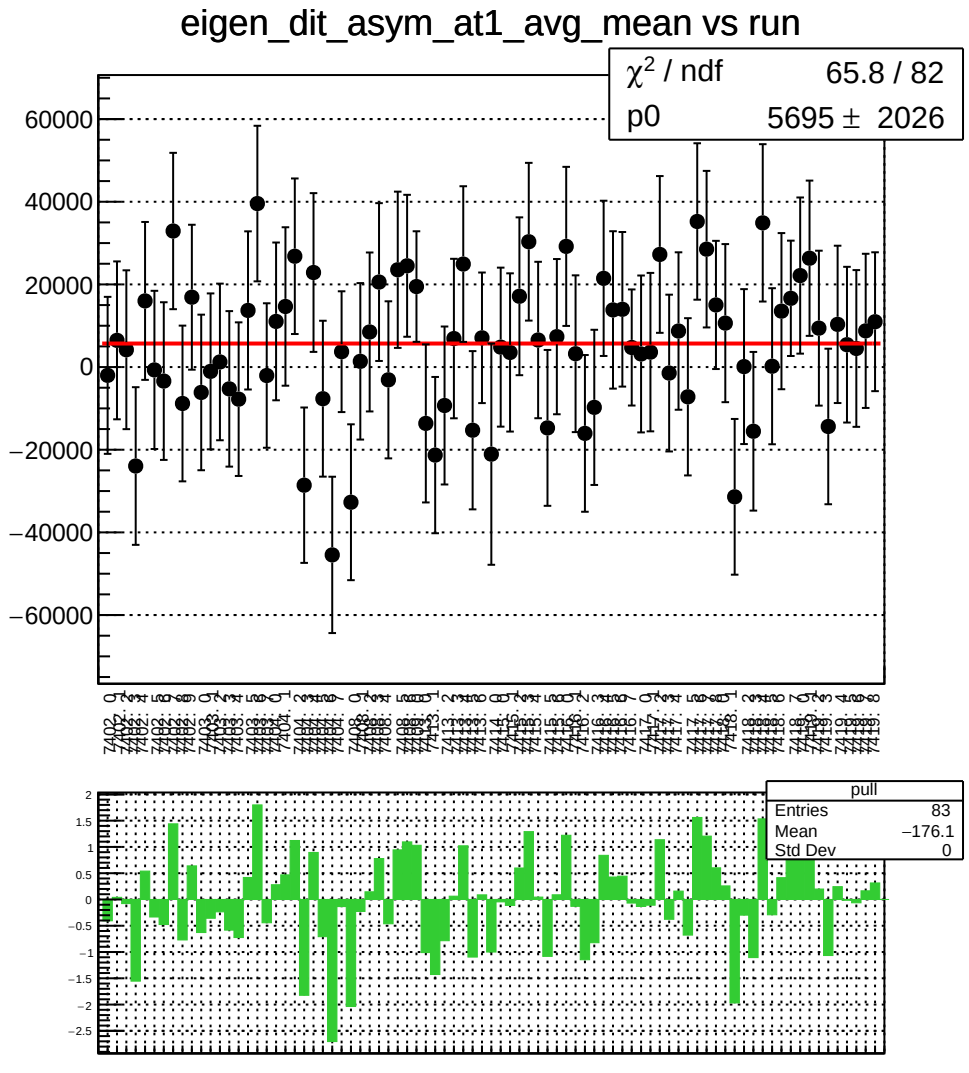

pull1D
Entries 83
Mean −0.01454
Std Dev 0.8902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

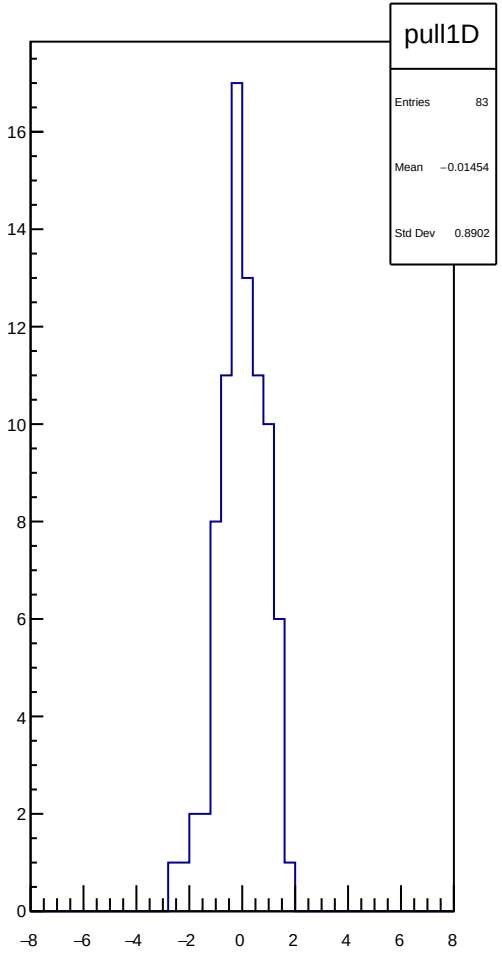

dit_asym_at1_avg_rms vs run
χ² / ndf 92.86 / 82
p0 1800 ± 1.433
1840
1820
1800
1780
1760

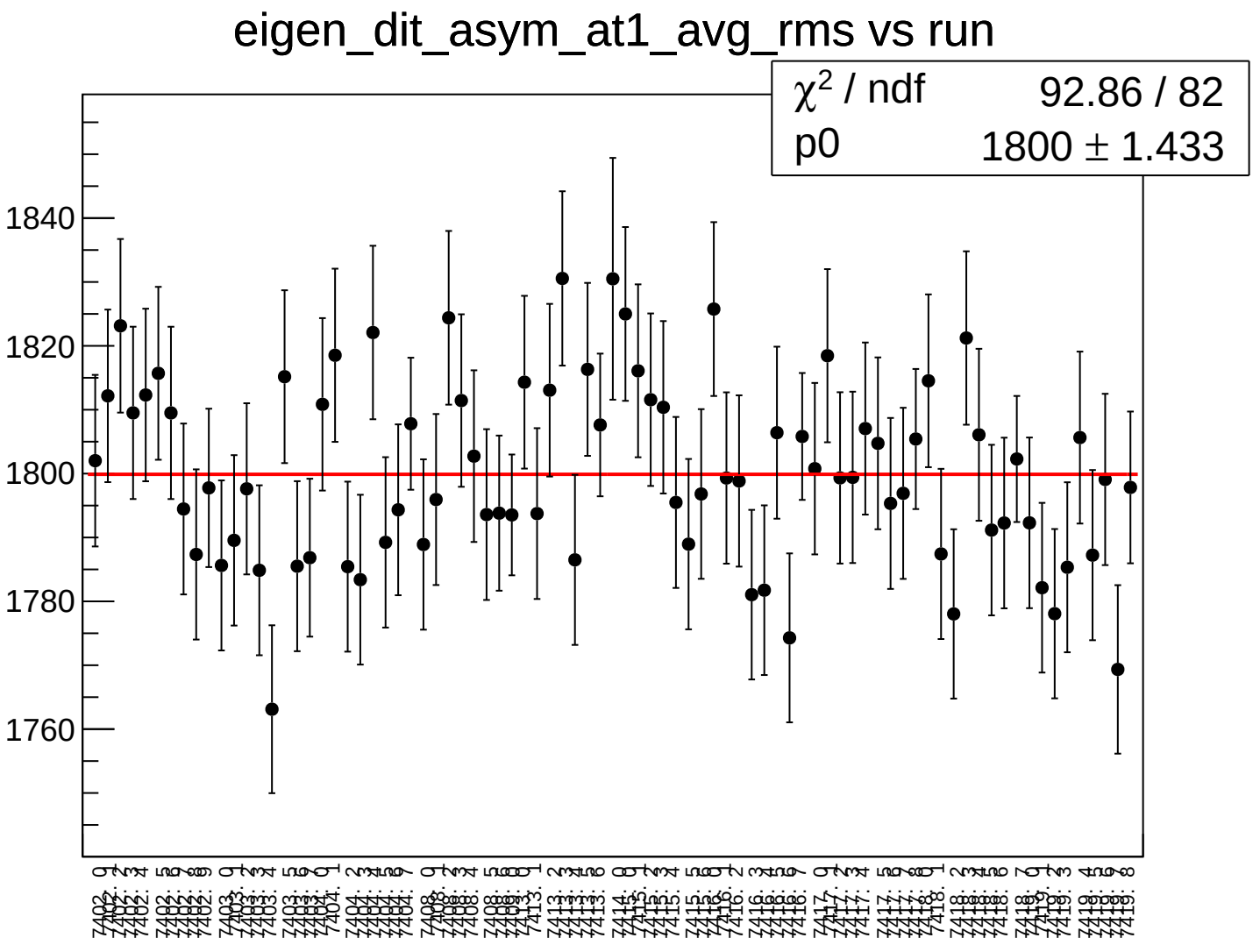

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 86.05 / 82
p0 14.12 ± 223.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 183.8
Std Dev 0
2
1
0
−1
−2
−3

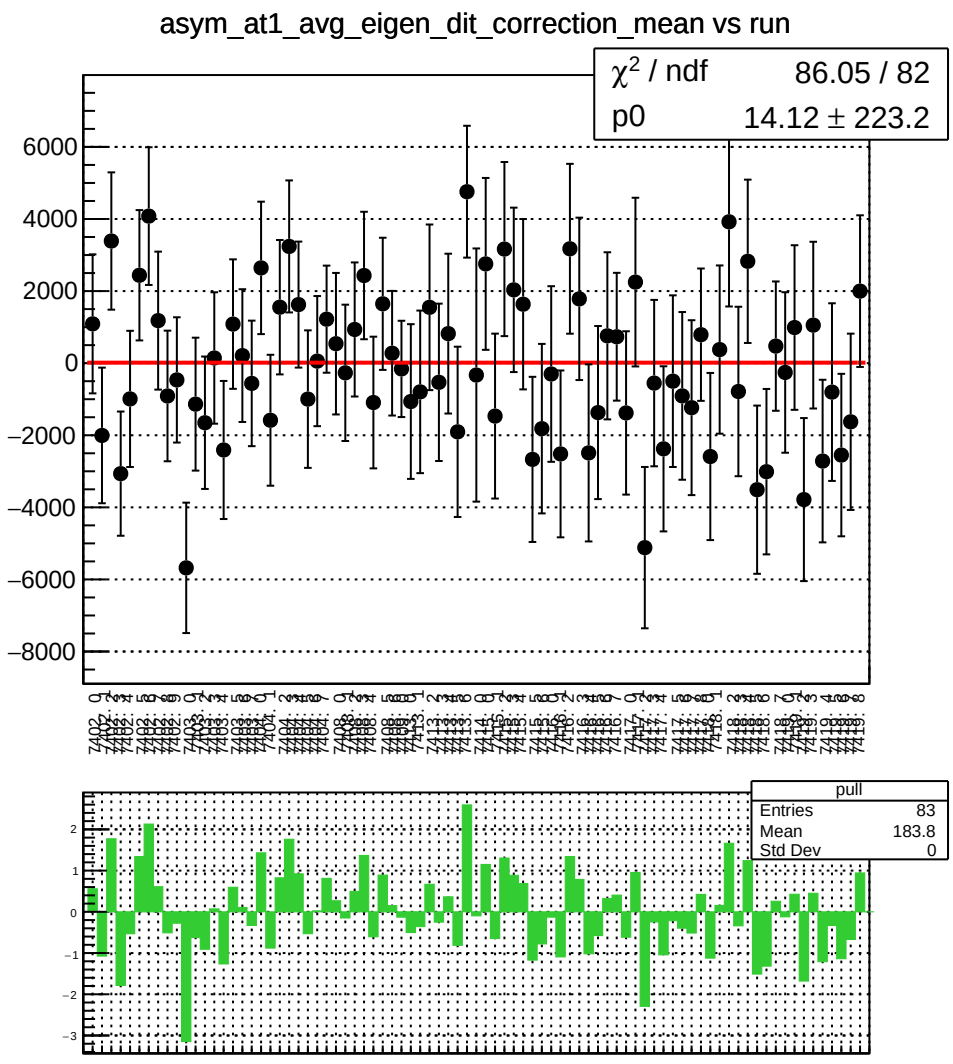

pull1D
Entries 83
Mean −0.02168
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

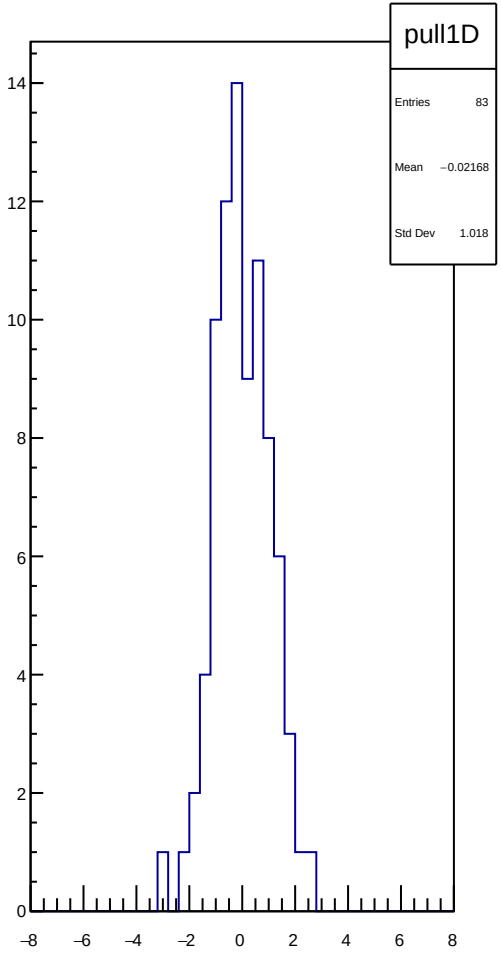

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 2.108e+04 / 82
p0 196.9 ± 0.1578
250
240
230
220
210
200
190
180
170
160

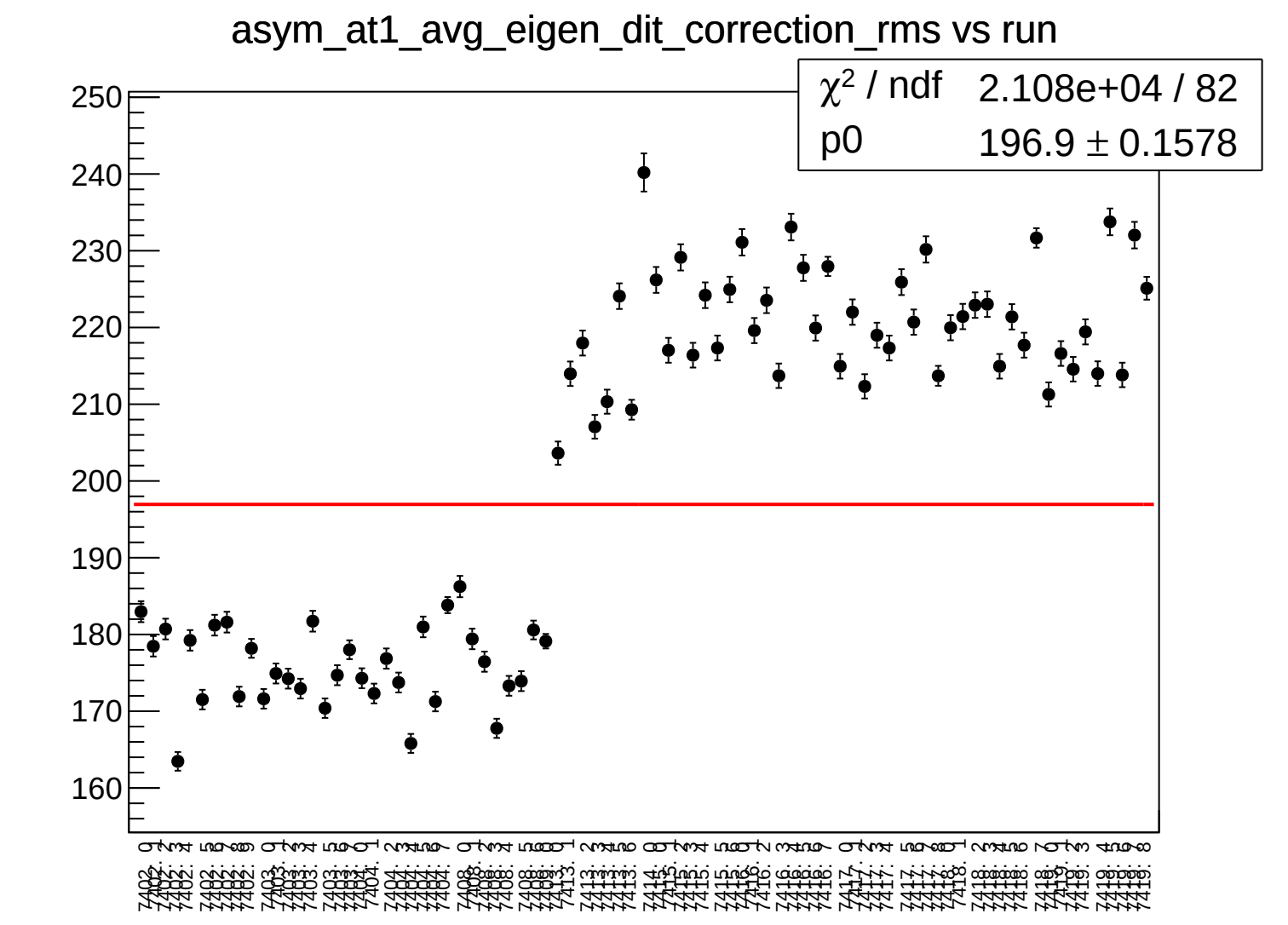

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 65.8 / 82
p0 5695 ± 2026
pull
Entries 83
Mean −176.1
Std Dev 0

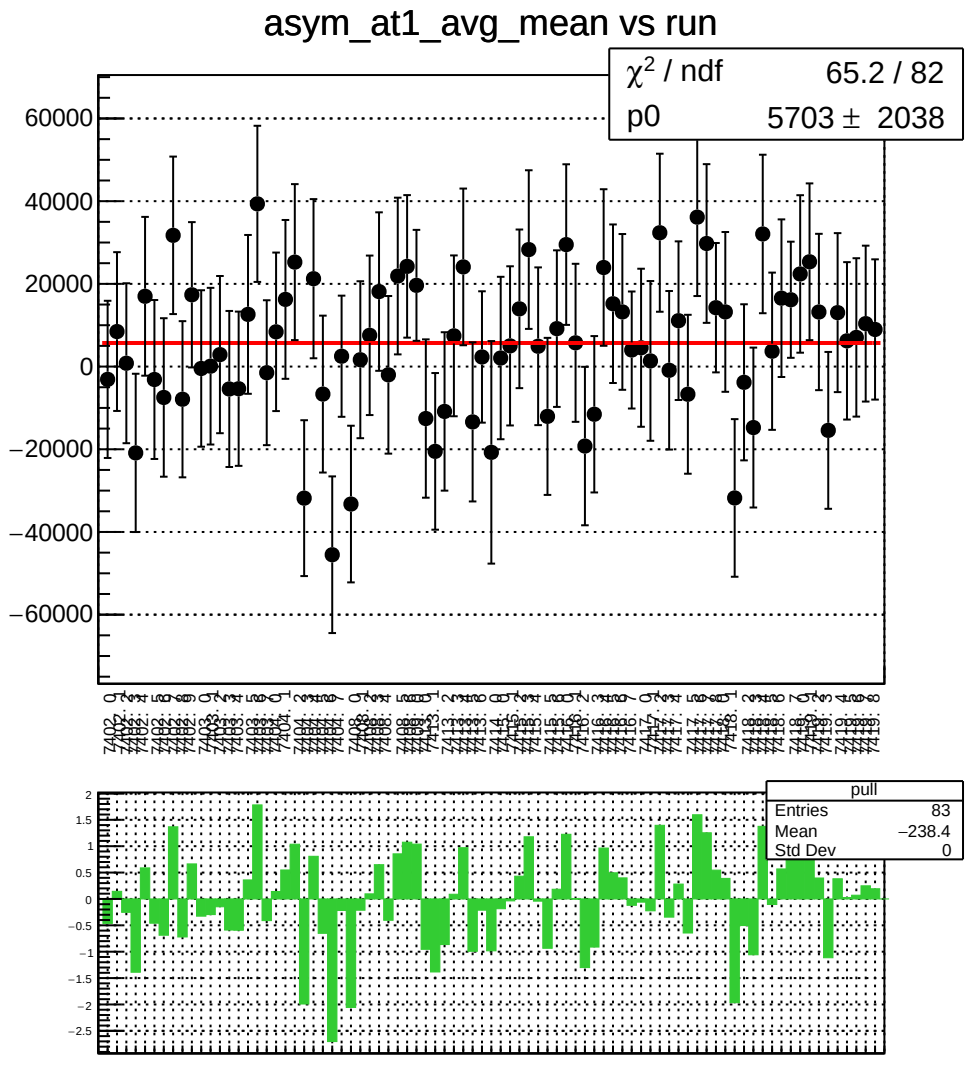

pull1D
Entries 83
Mean −0.01454
Std Dev 0.8902

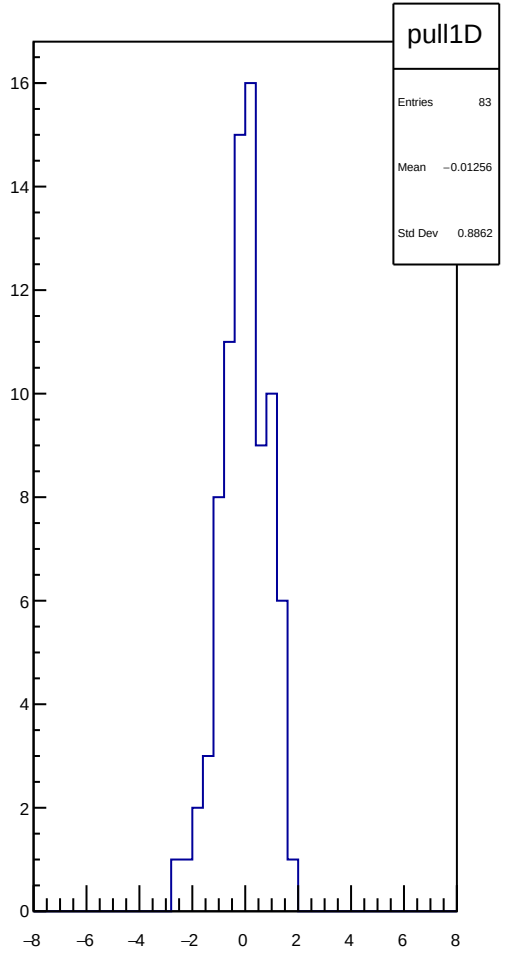

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 92.86 / 82
p0 1800 ± 1.433
1840
1820
1800
1780
1760

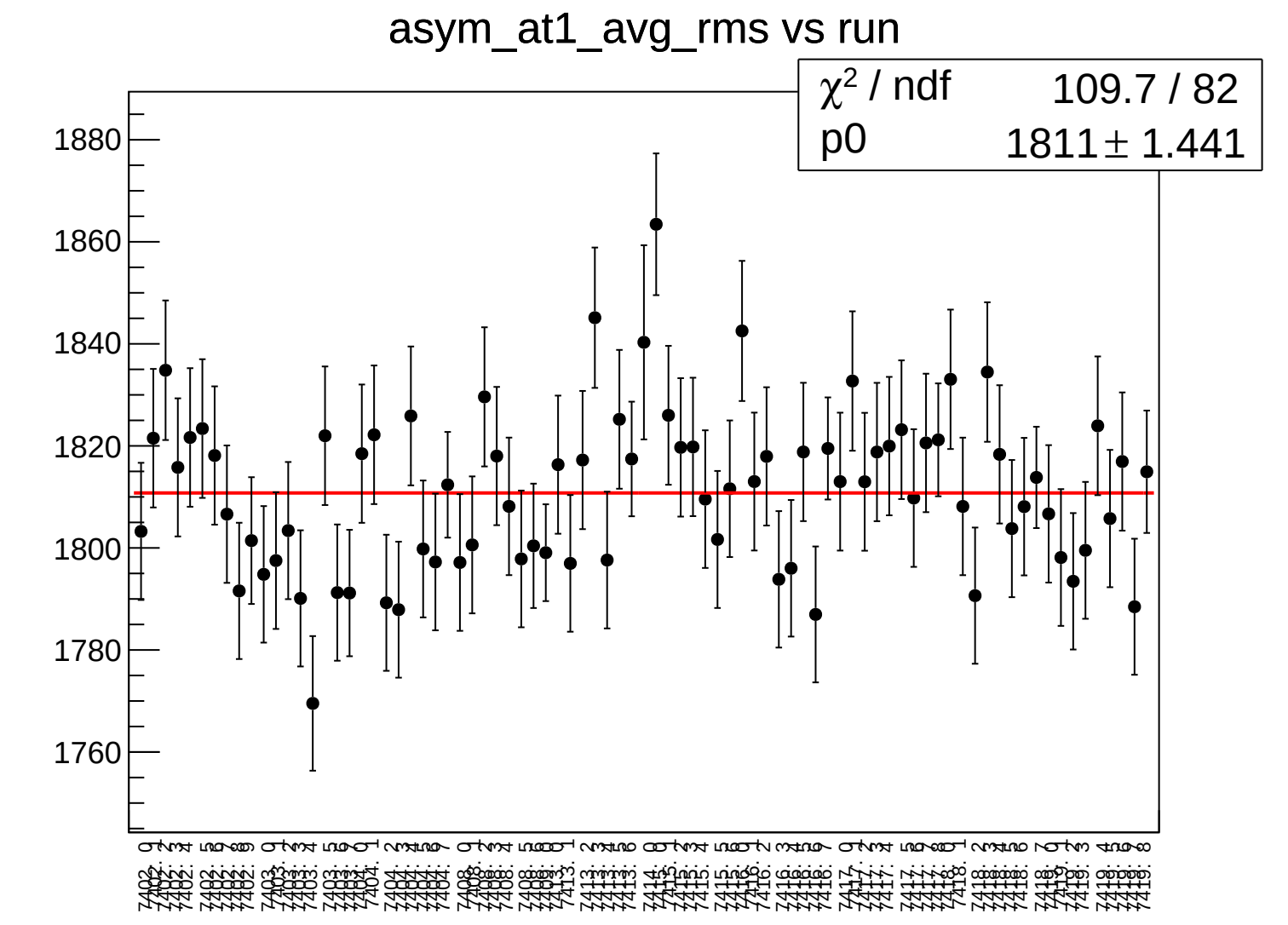

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 86.05 / 82
p0 14.12 ± 223.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 183.8
Std Dev 0
2
1
0
−1
−2
−3

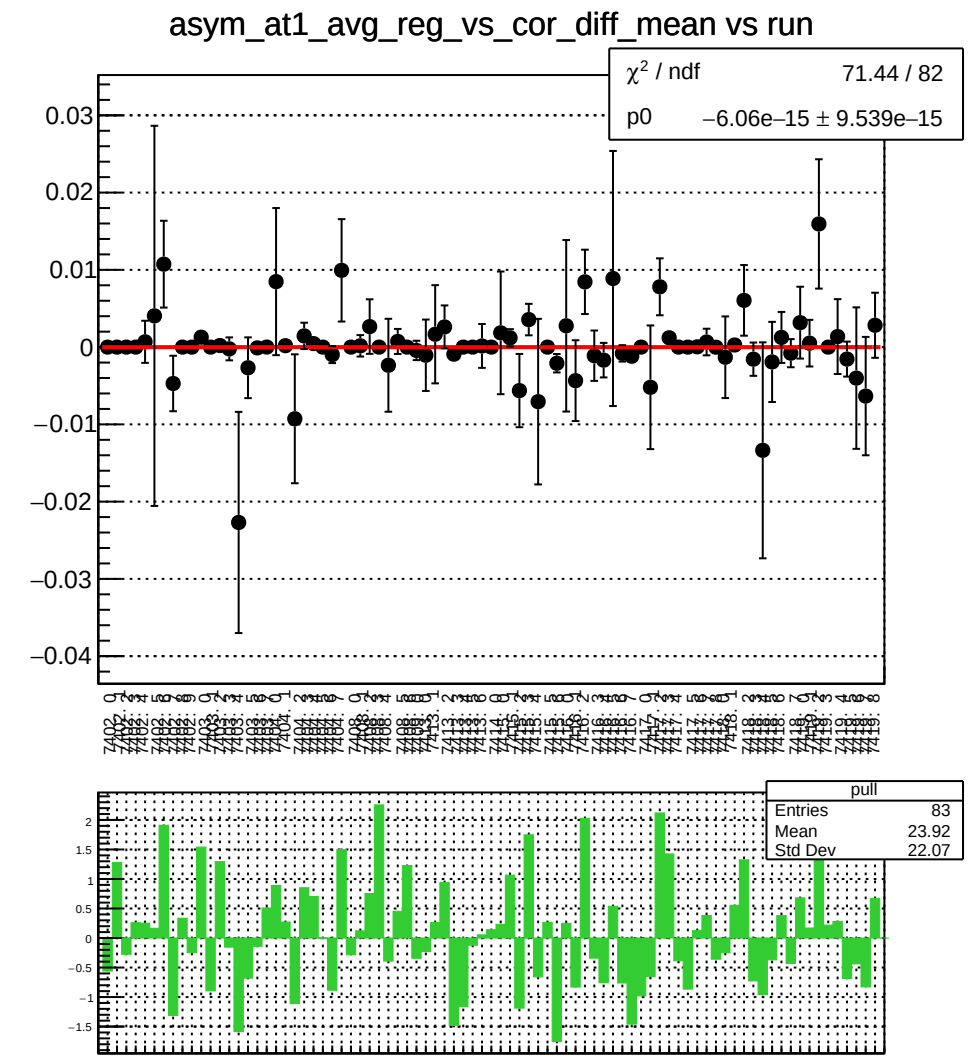

pull1D
Entries 83
Mean −0.02168
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

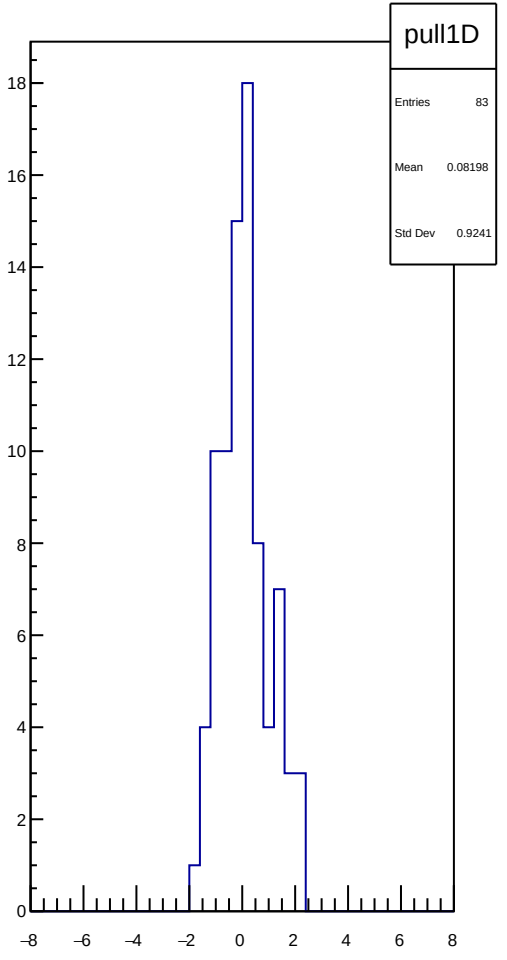

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2.108e+04 / 82
p0 196.9 ± 0.1578
250
240
230
220
210
200
190
180
170
160

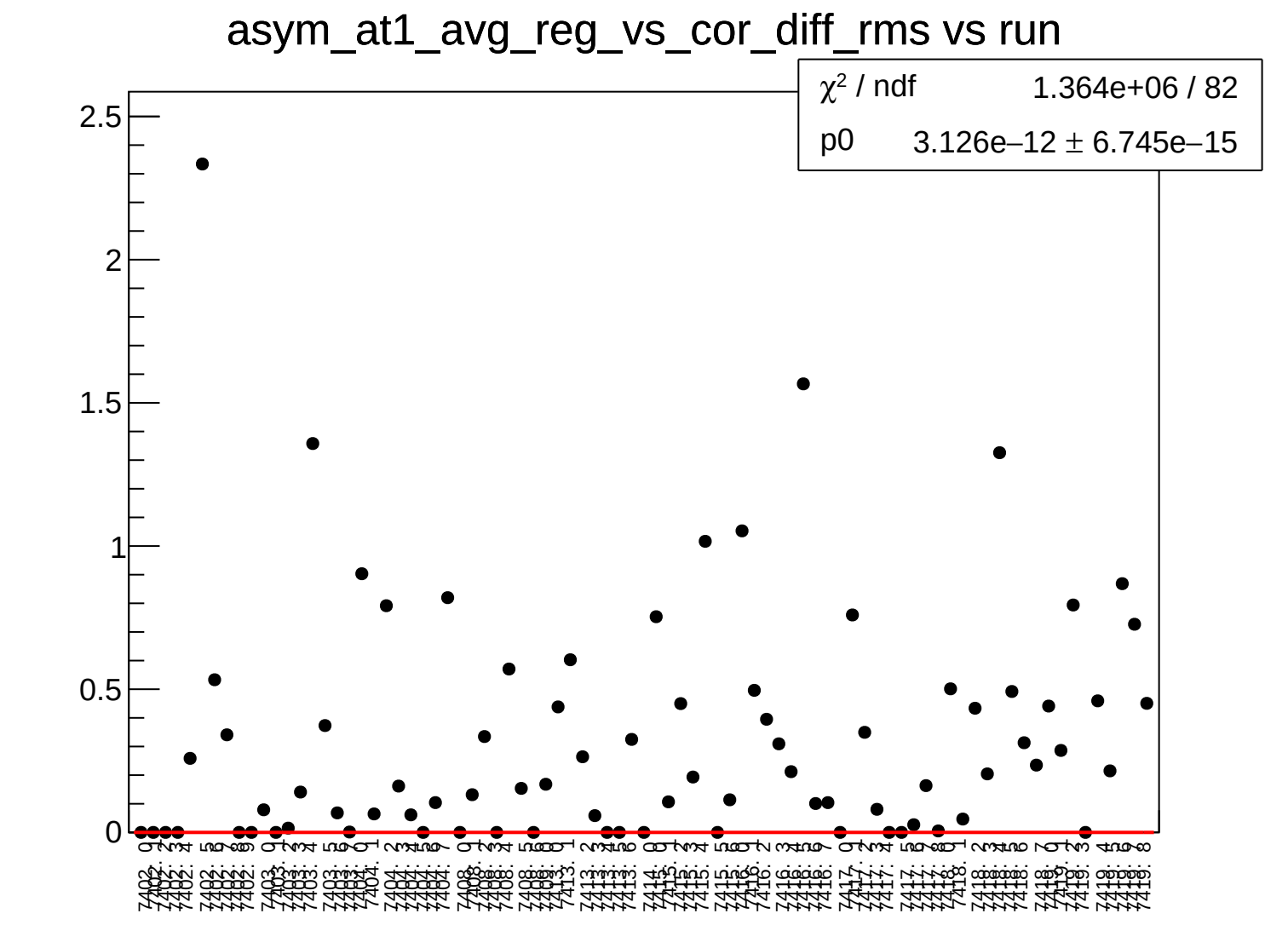

asym_at1_avg_mean vs run
χ² / ndf 65.2 / 82
p0 5703 ± 2038
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −238.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

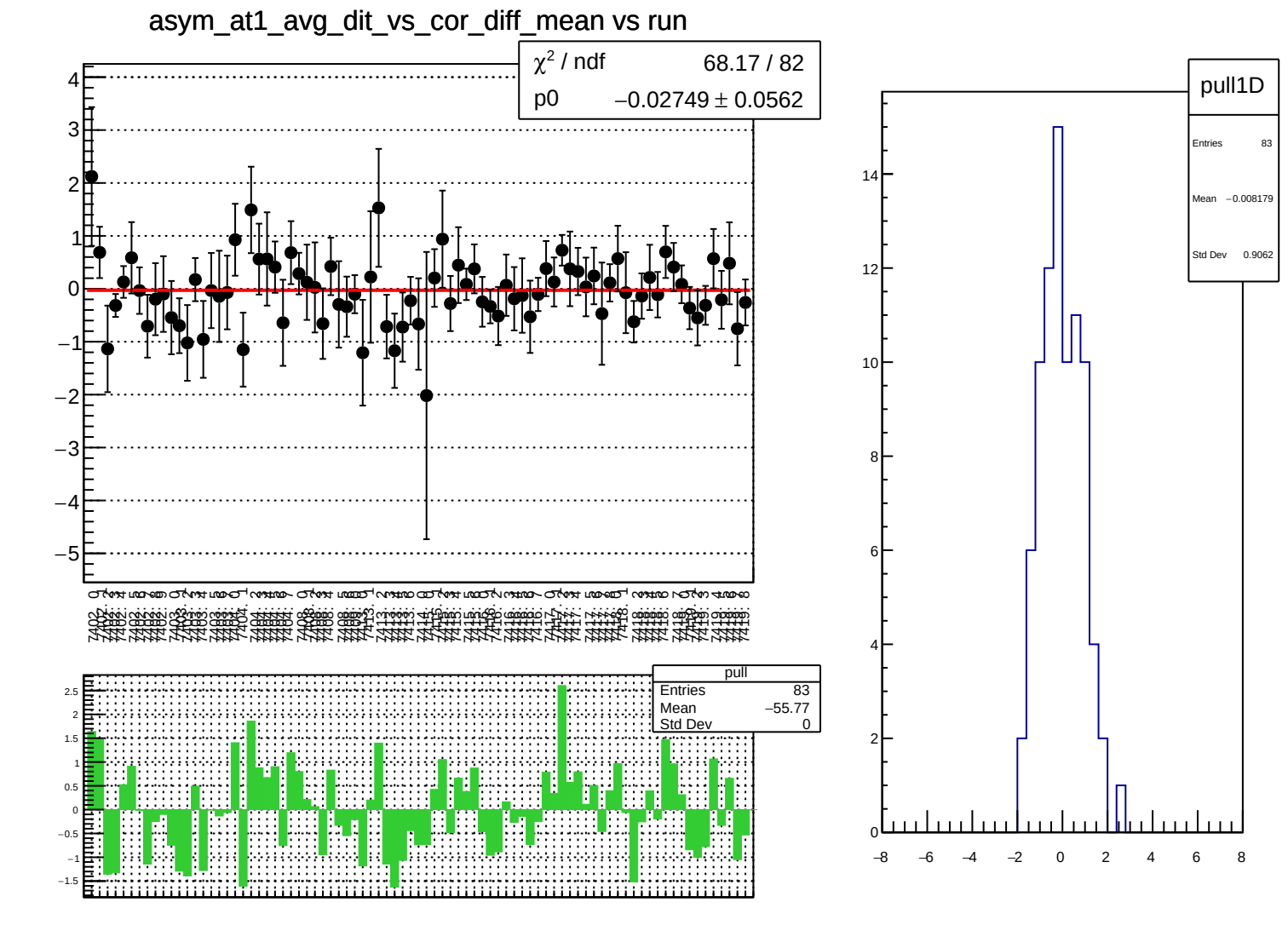

pull1D
Entries 83
Mean −0.01256
Std Dev 0.8862
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

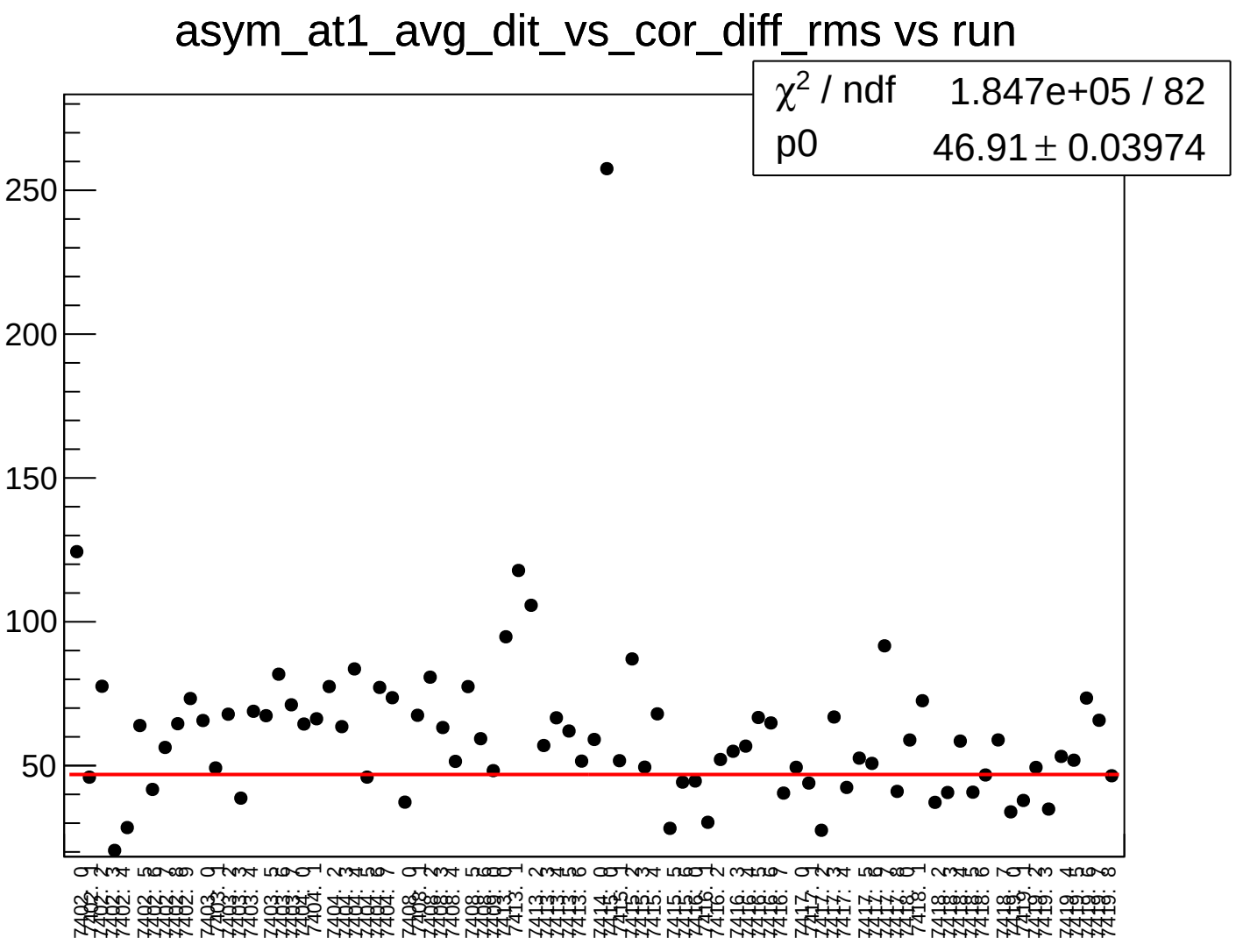

asym_at1_avg_rms vs run
χ^2 / ndf 109.7 / 82
p0 1811 ± 1.441
1880
1860
1840
1820
1800
1780
1760


asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 71.44 / 82
p0 −6.06e−15 ± 9.539e−15
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 83
Mean 23.92
Std Dev 22.07
2
1.5
1
0.5
0
−0.5
−1
−1.5

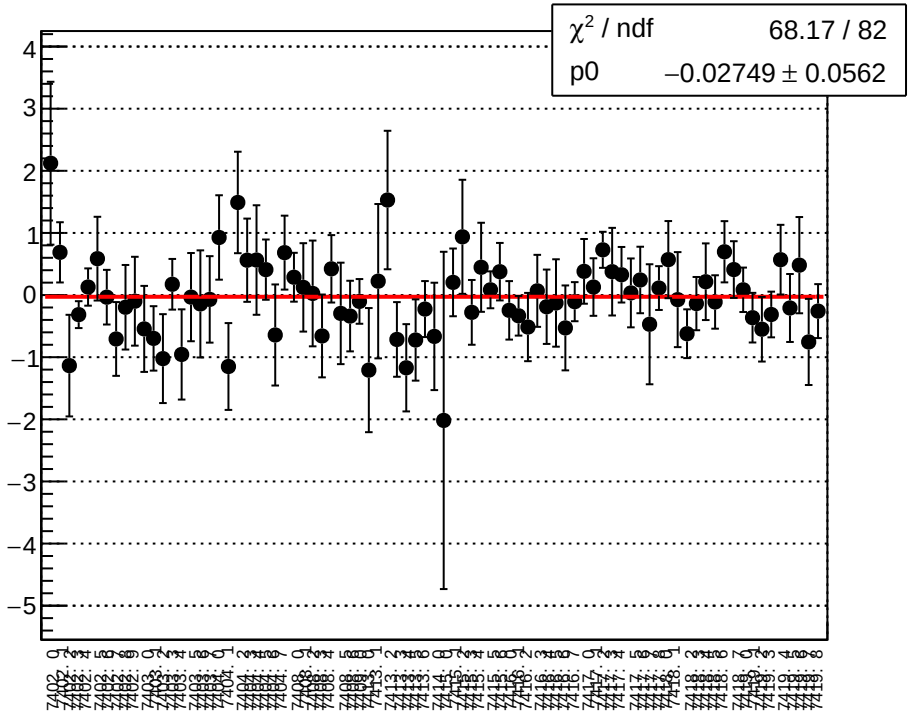

pull1D
Entries 83
Mean 0.08198
Std Dev 0.9241
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

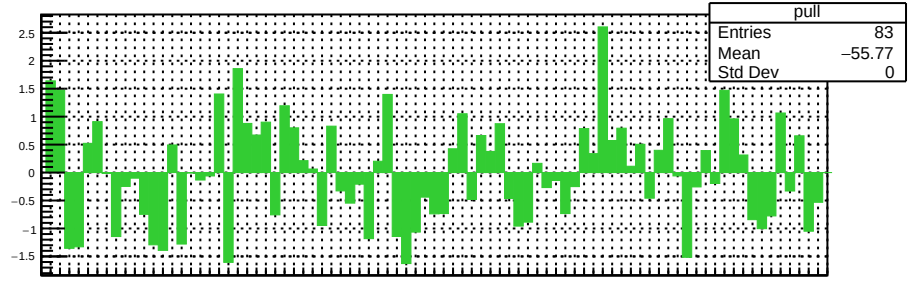

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.364e+06 / 82
p0 3.126e−12 ± 6.745e−15
2.5
2
1.5
1
0.5
0

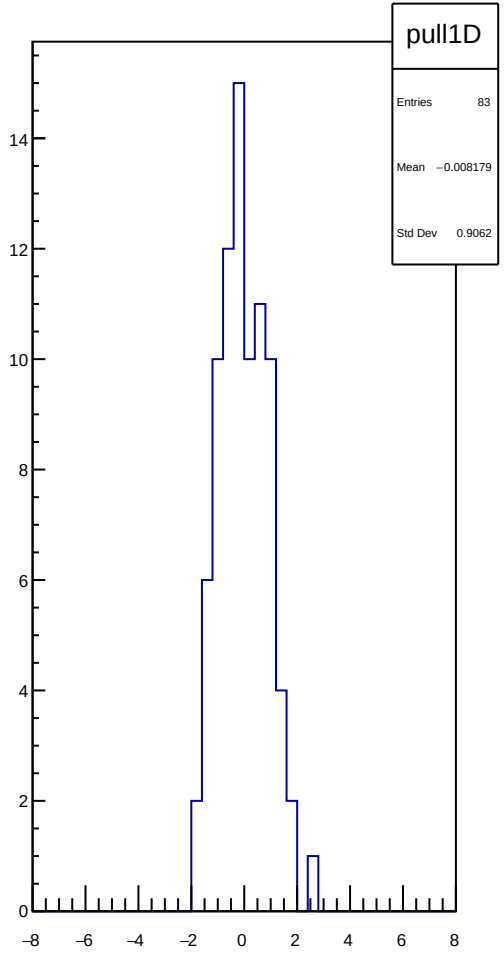

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.17 / 82
p0 −0.02749 ± 0.0562
pull
Entries 83
Mean −55.77
Std Dev 0
pull1D
Entries 83
Mean −0.008179
Std Dev 0.9062

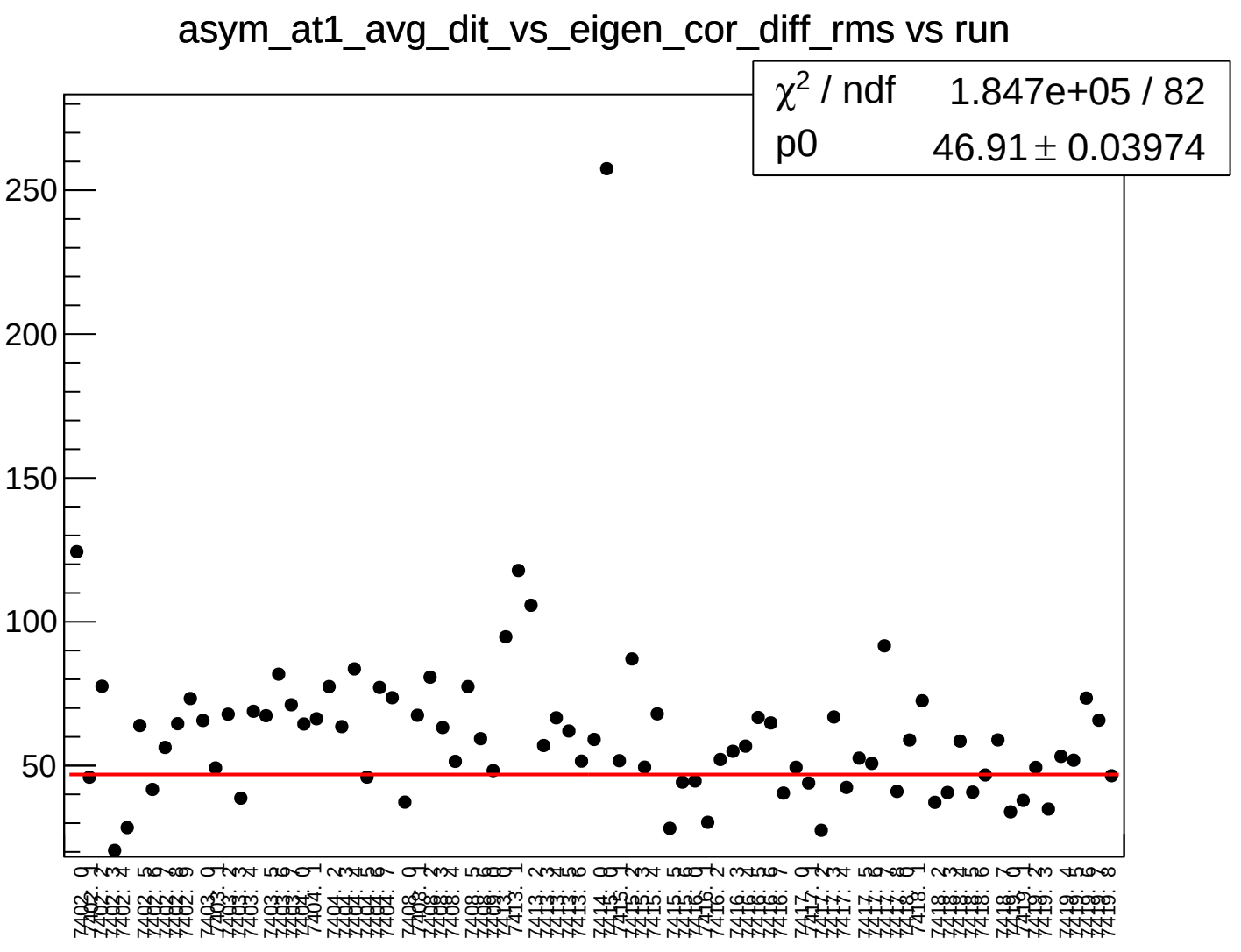

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.847e+05 / 82
p0 46.91 ± 0.03974
250
200
150
100
50

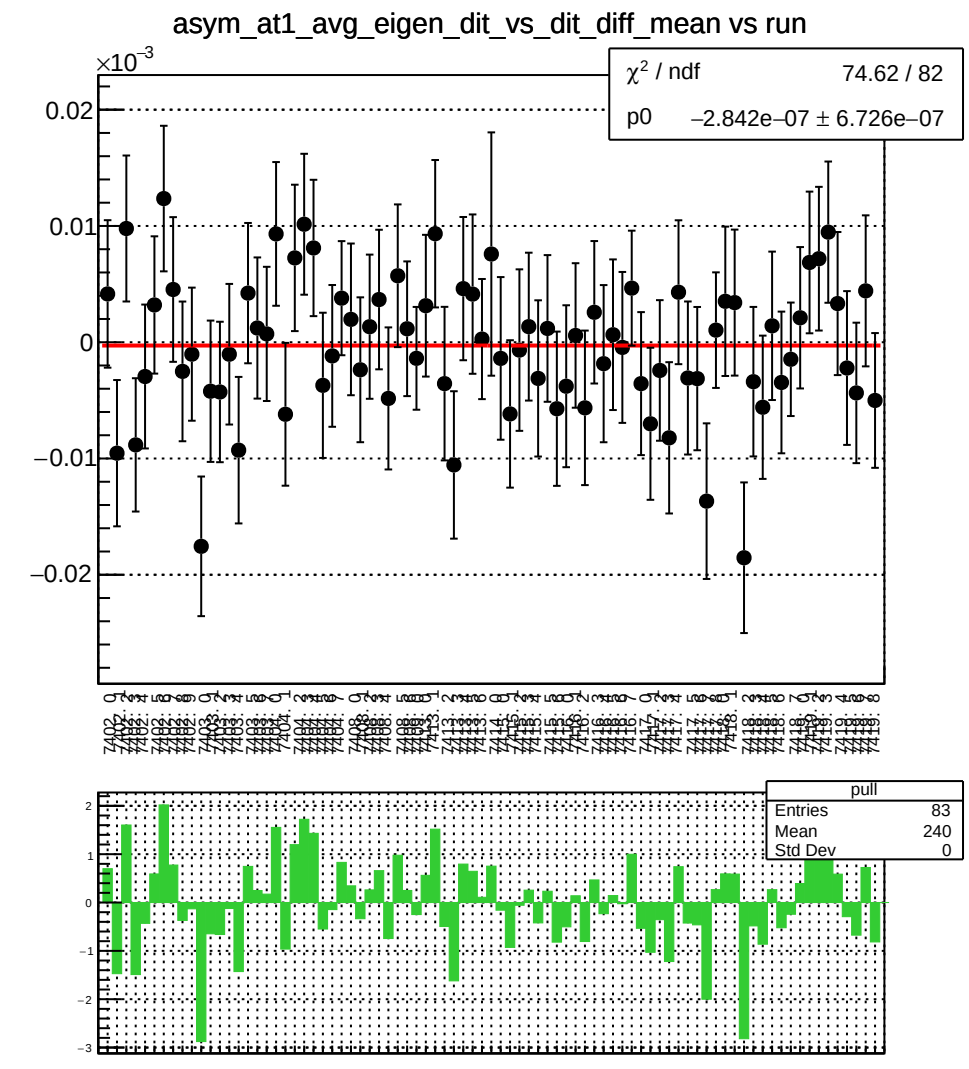
asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run

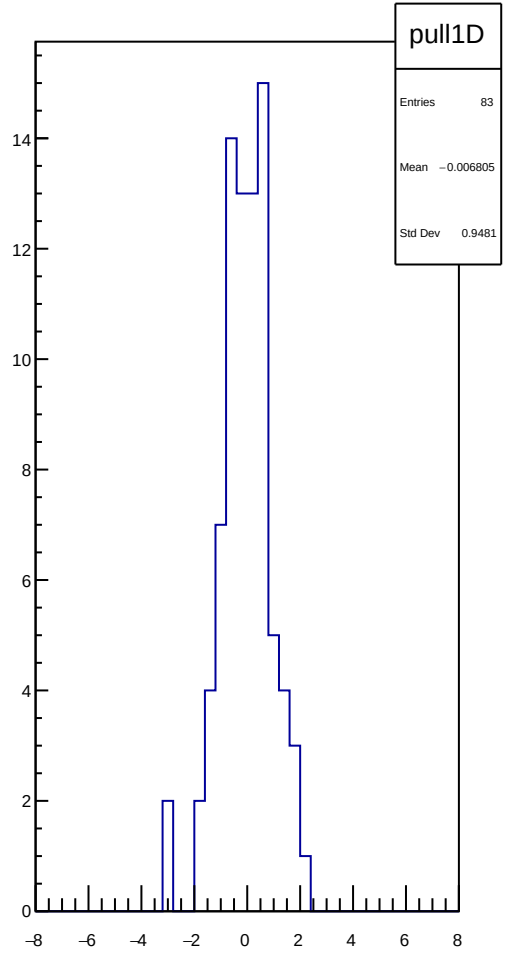


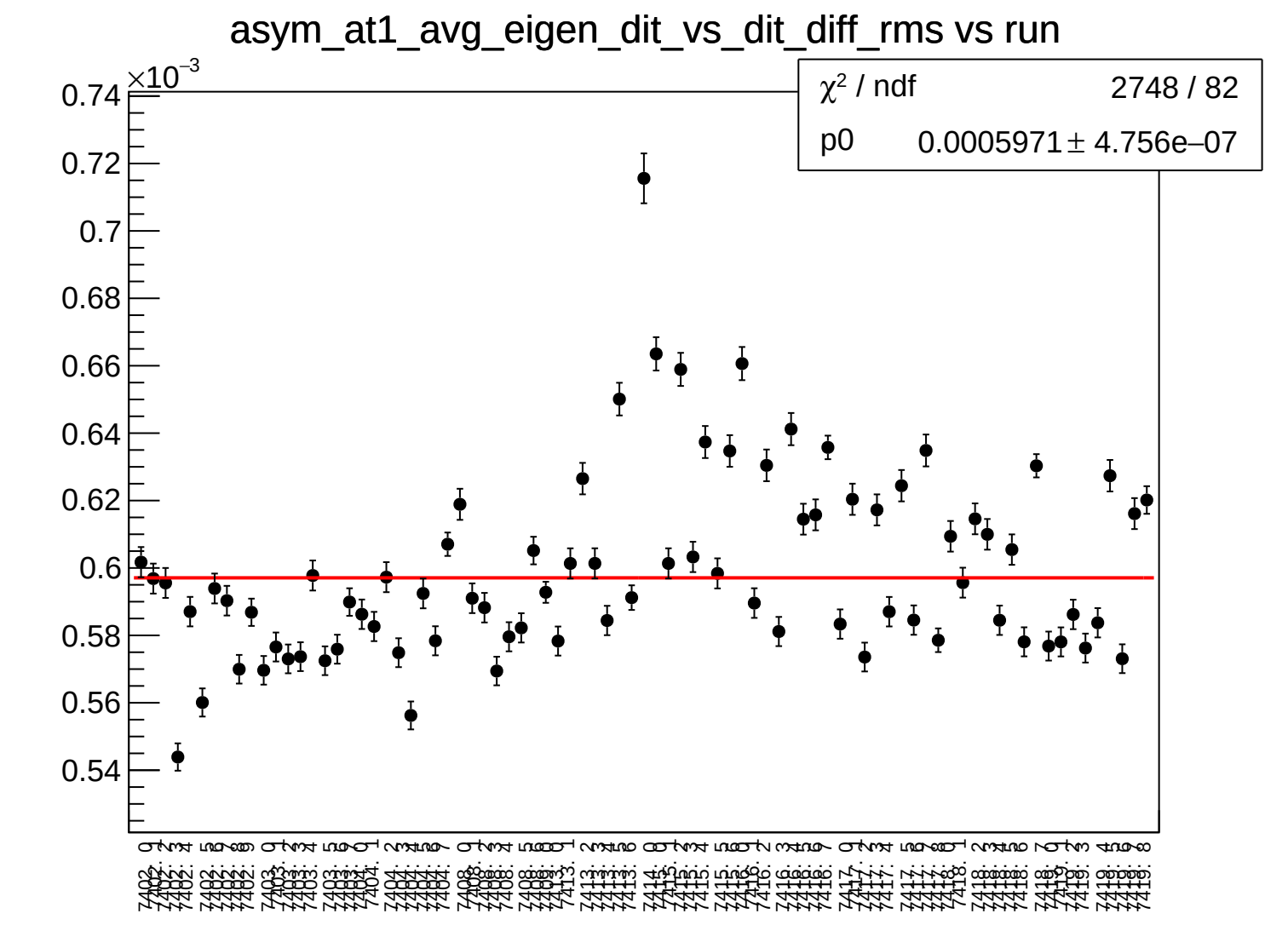




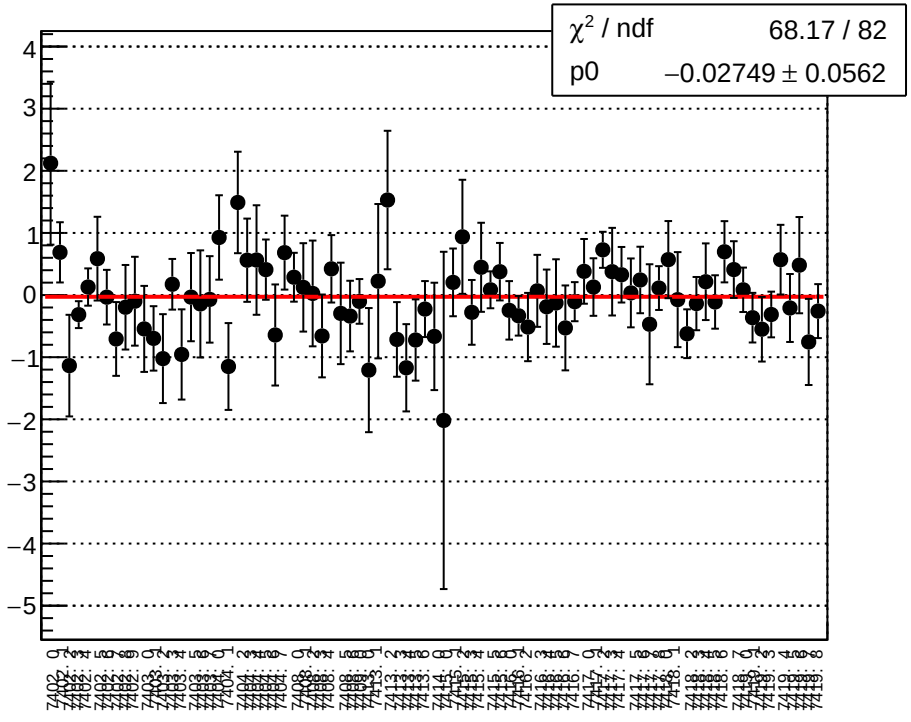

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.847e+05 / 82
p0 46.91 ± 0.03974
250
200
150
100
50

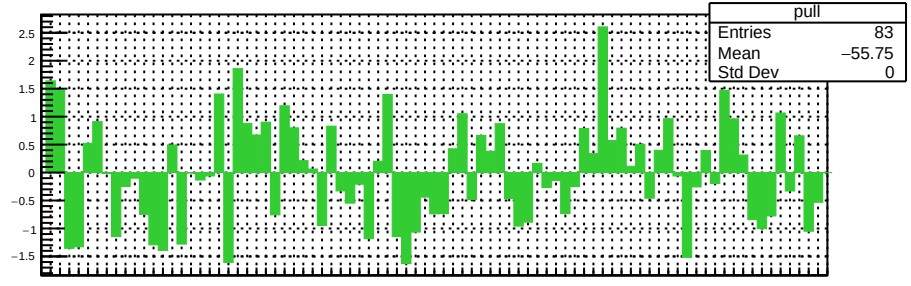

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.62 / 82
p0 −2.842e−07 ± 6.726e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 240
Std Dev 0
2
1
0
−1
−2
−3

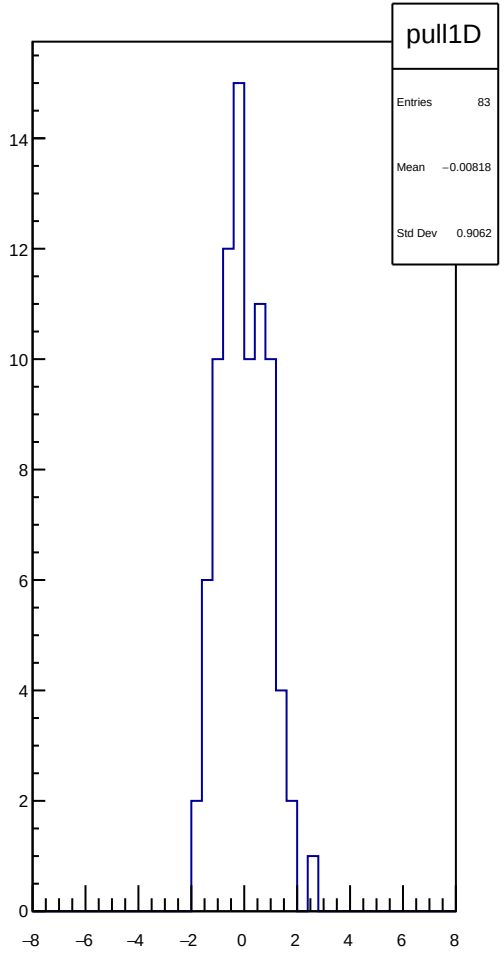

pull1D
Entries 83
Mean −0.006805
Std Dev 0.9481
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

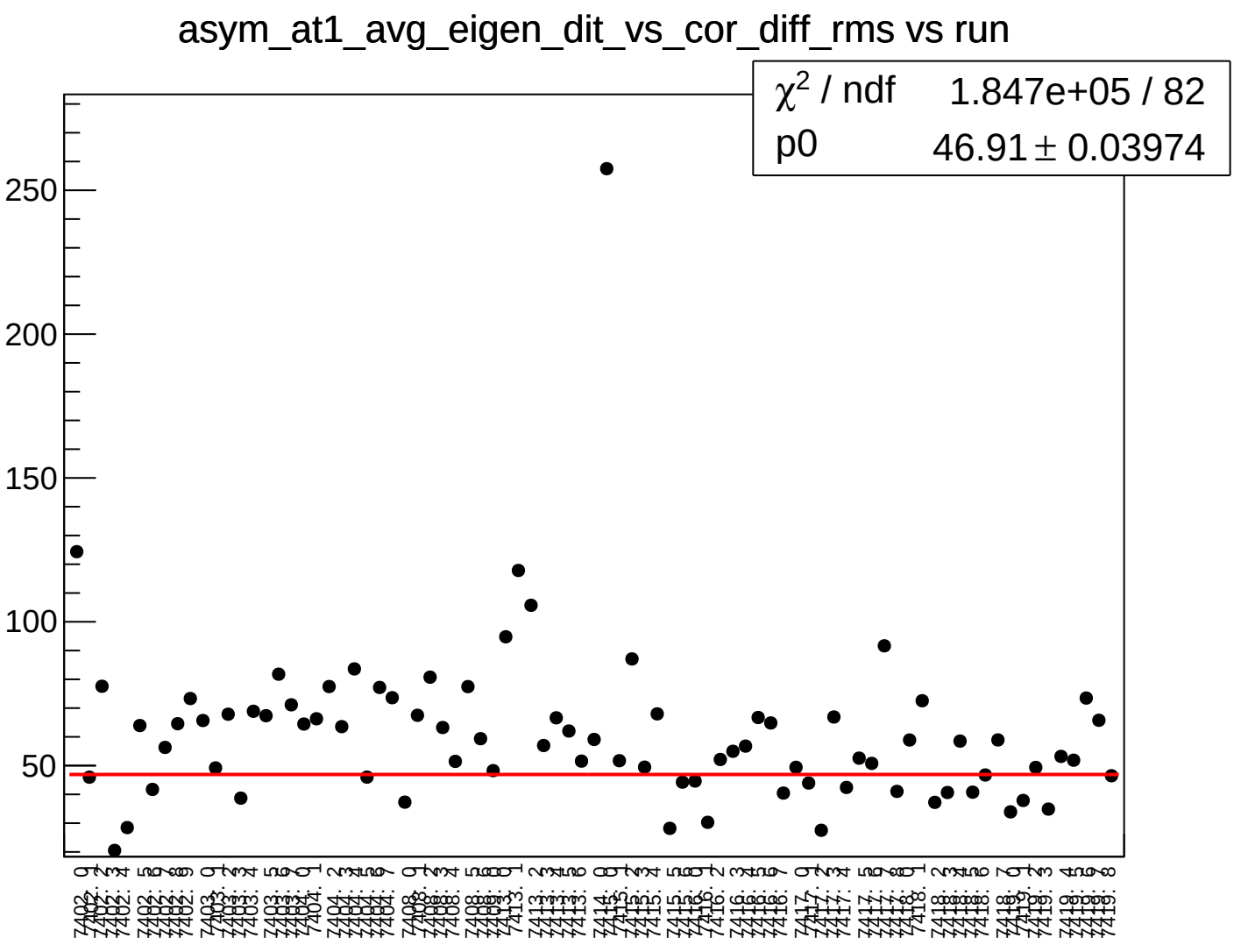

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2748 / 82
p0 0.0005971 ± 4.756e−07
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54

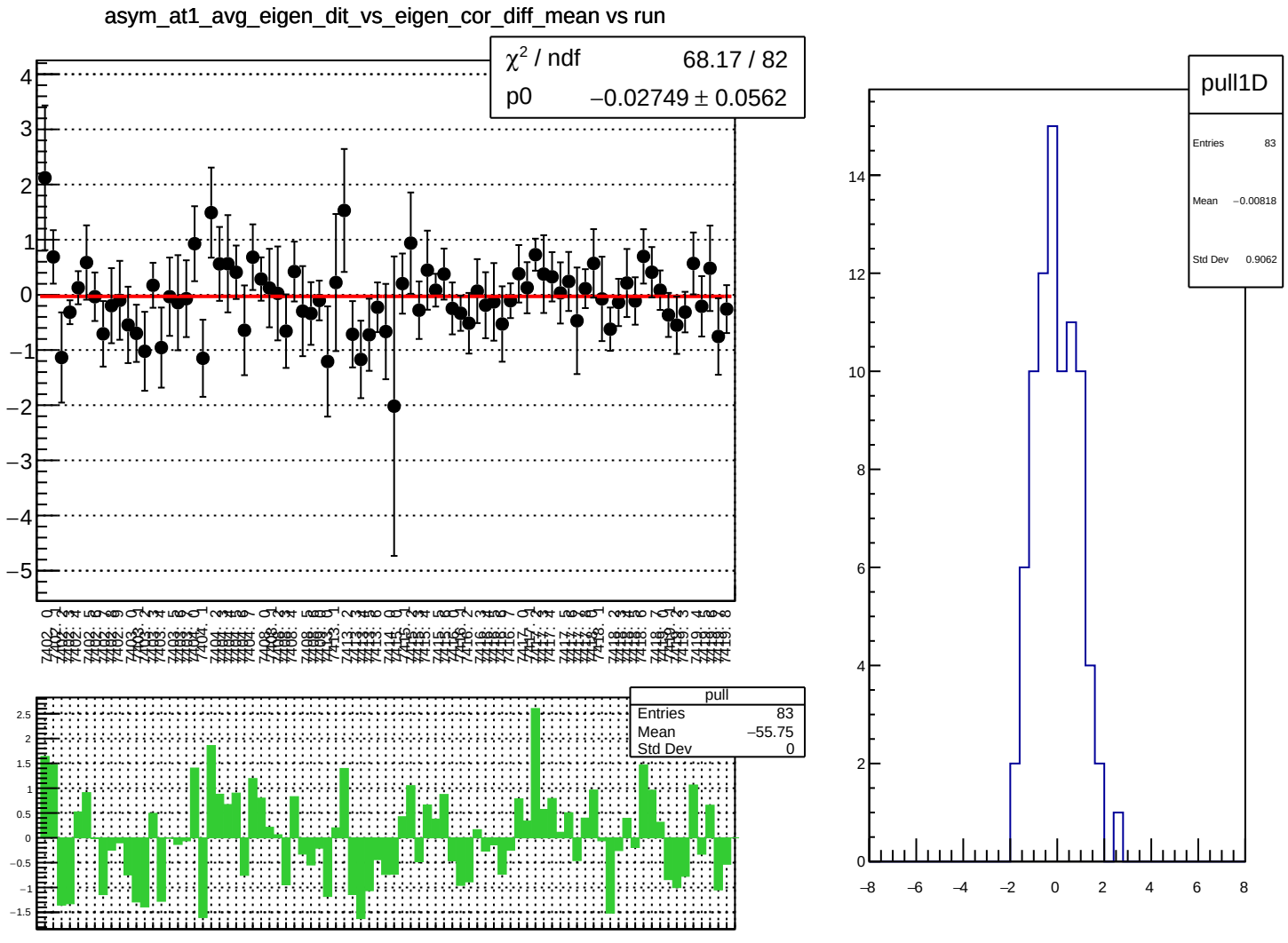
asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run

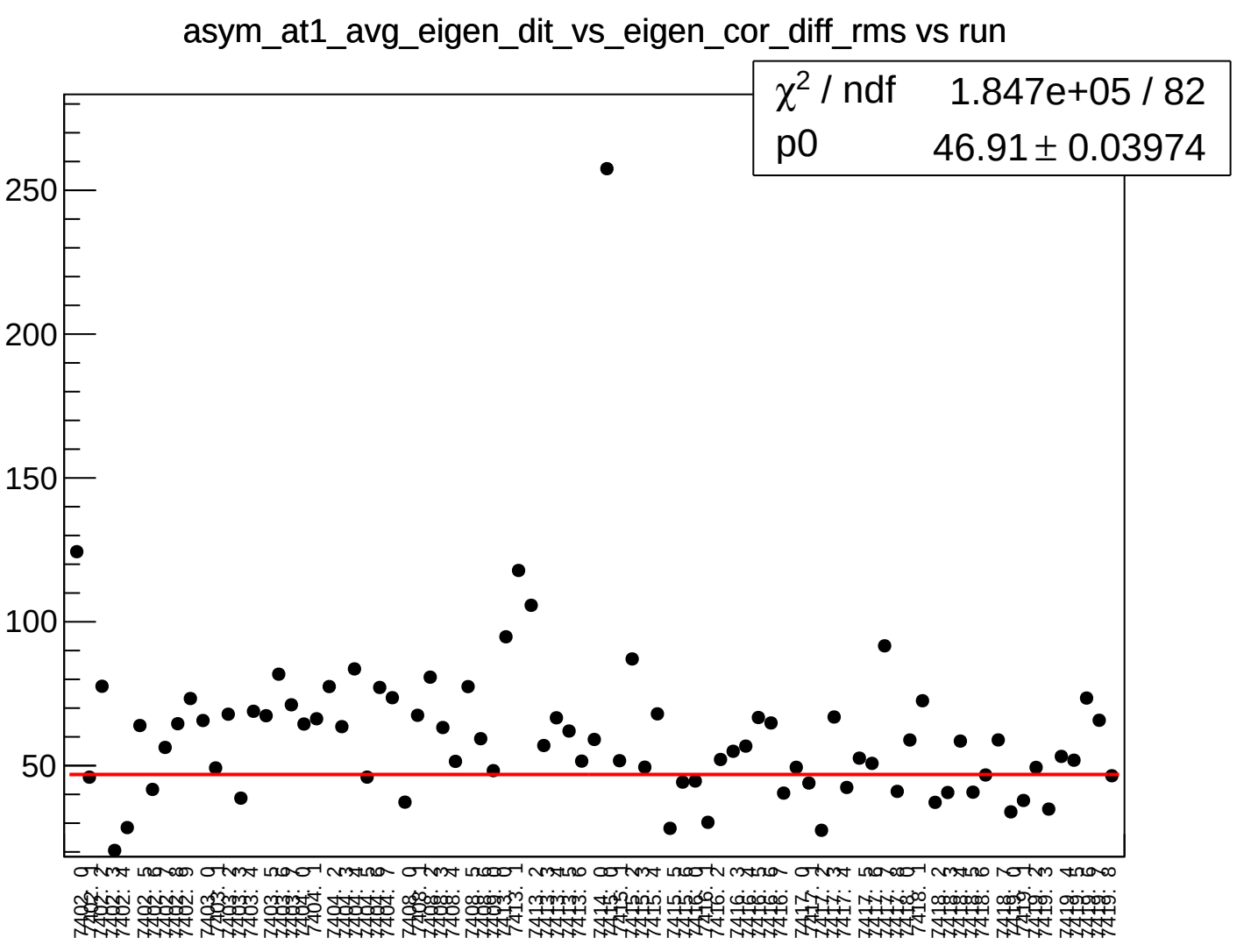


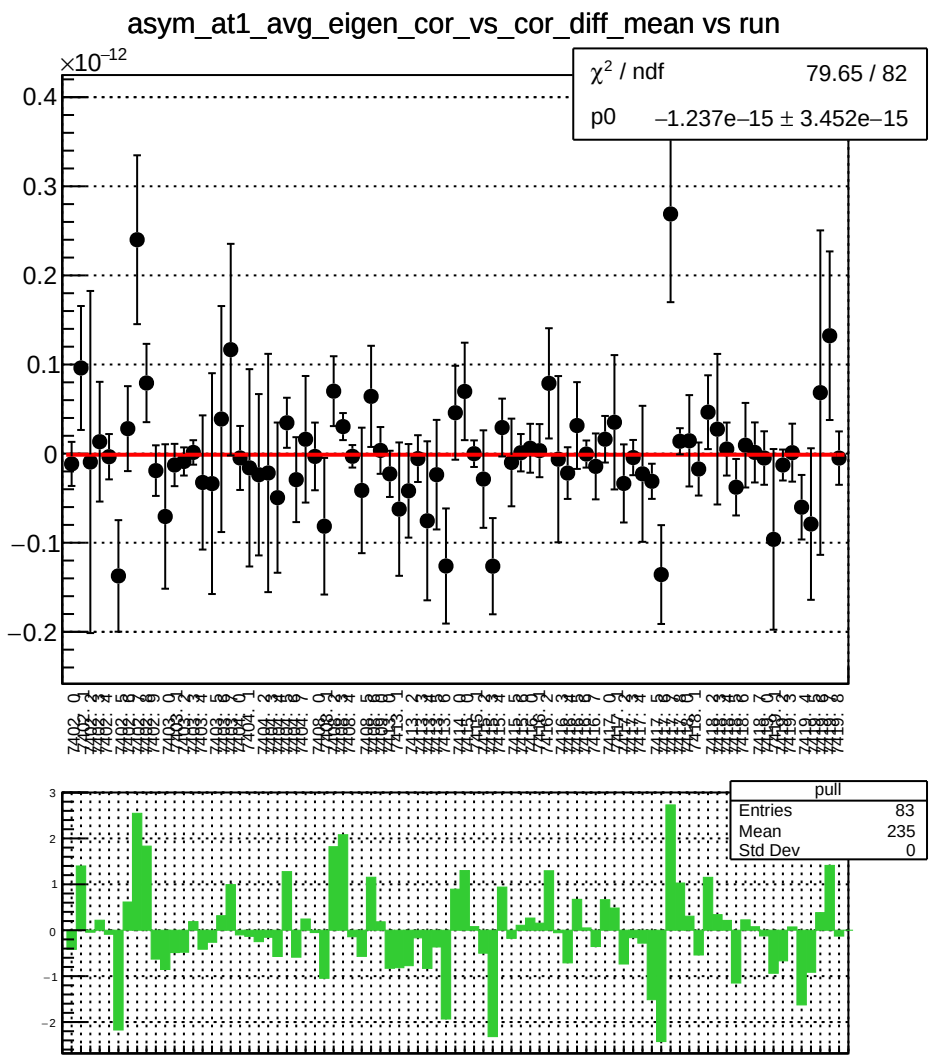


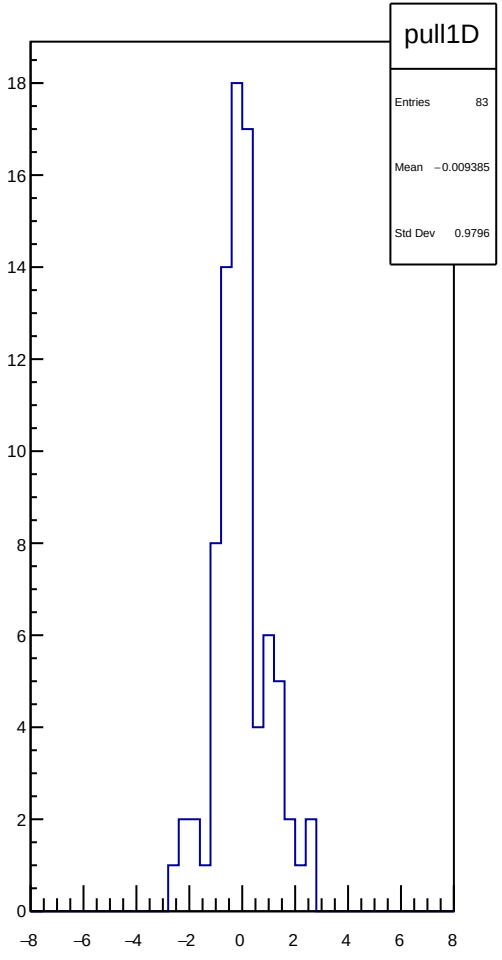


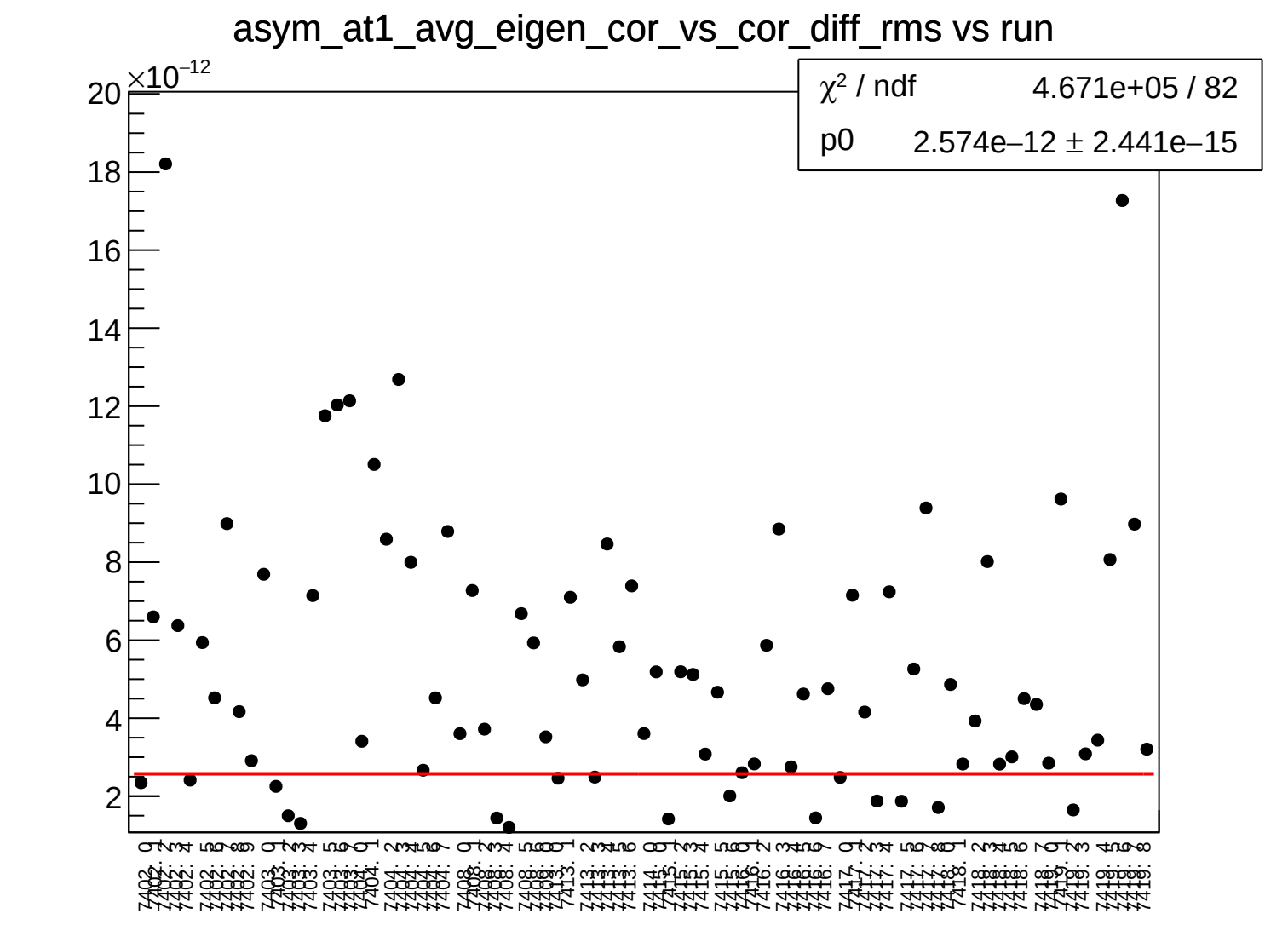

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.847e+05 / 82
p0 46.91 ± 0.03974
250
200
150
100
50

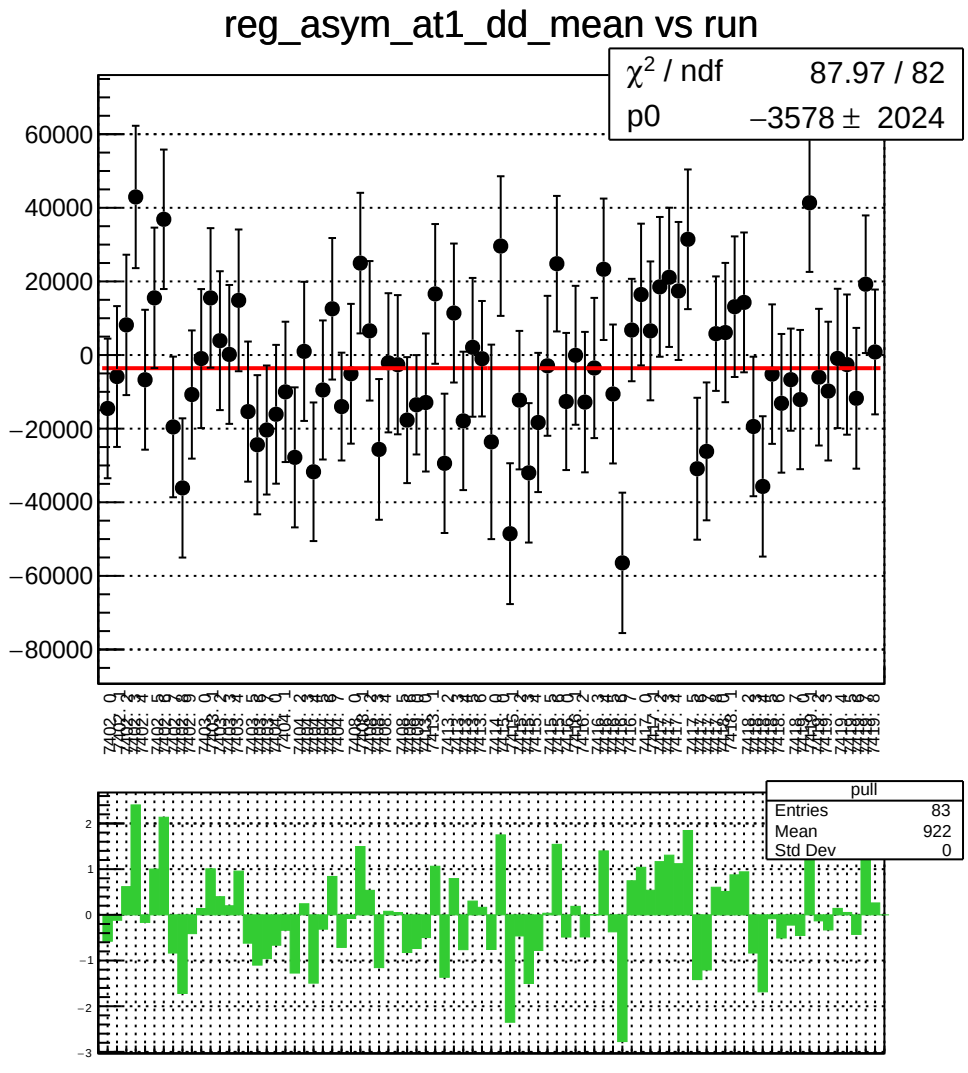

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.17 / 82
p0 −0.02749 ± 0.0562
pull
Entries 83
Mean −55.75
Std Dev 0
pull1D
Entries 83
Mean −0.00818
Std Dev 0.9062

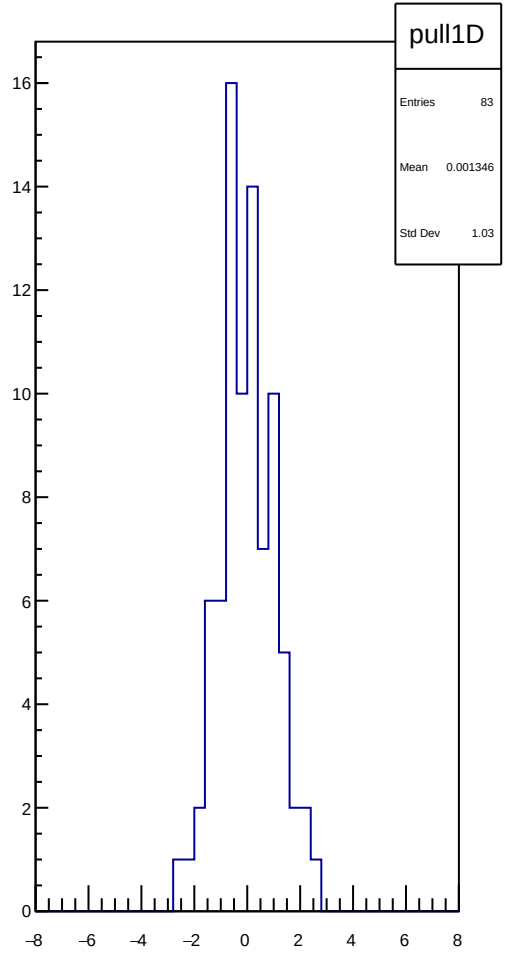

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.847e+05 / 82
p0 46.91 ± 0.03974
250
200
150
100
50

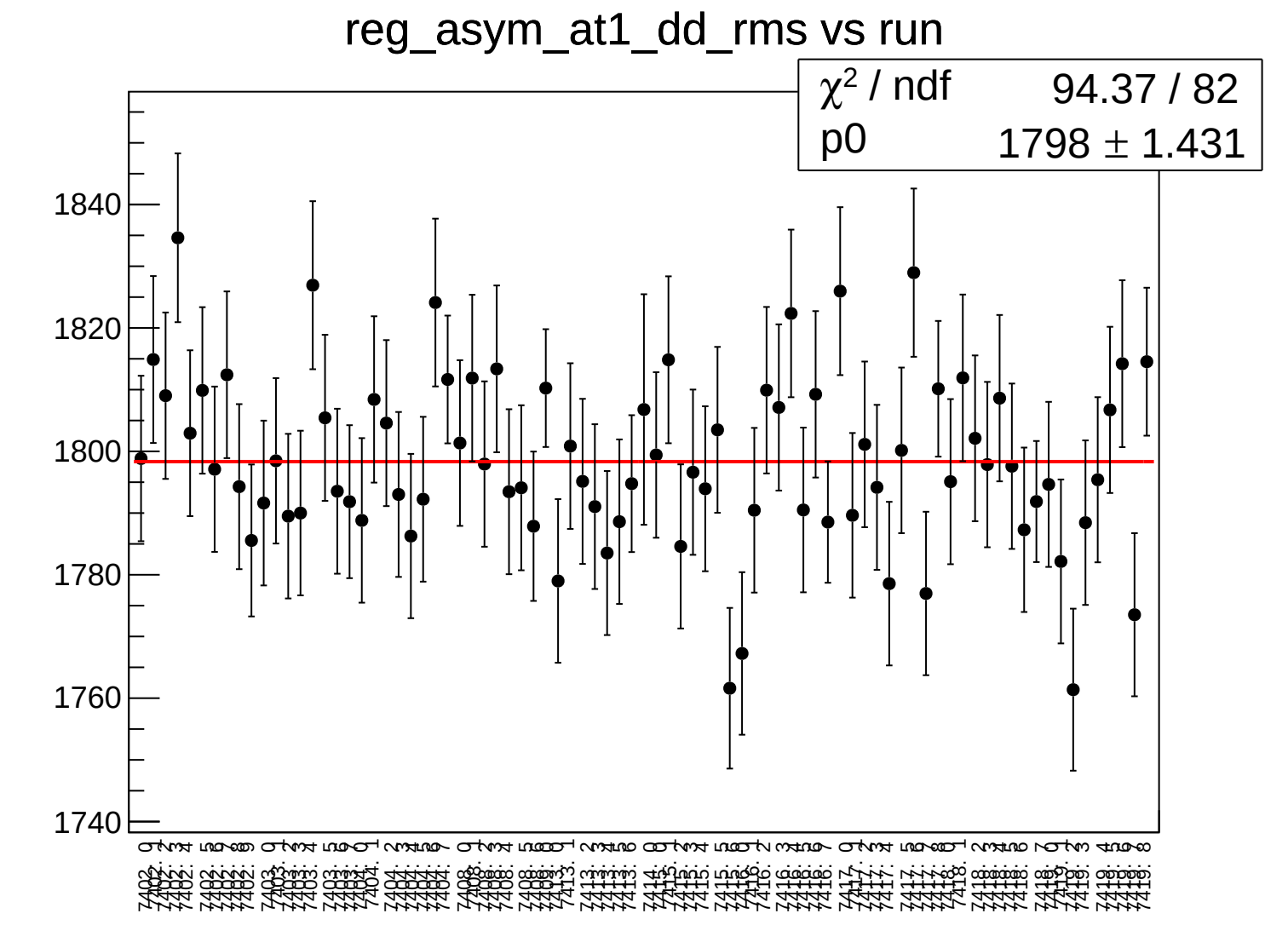

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.65 / 82
p0 −1.237e−15 ± 3.452e−15
pull
Entries 83
Mean 235
Std Dev 0

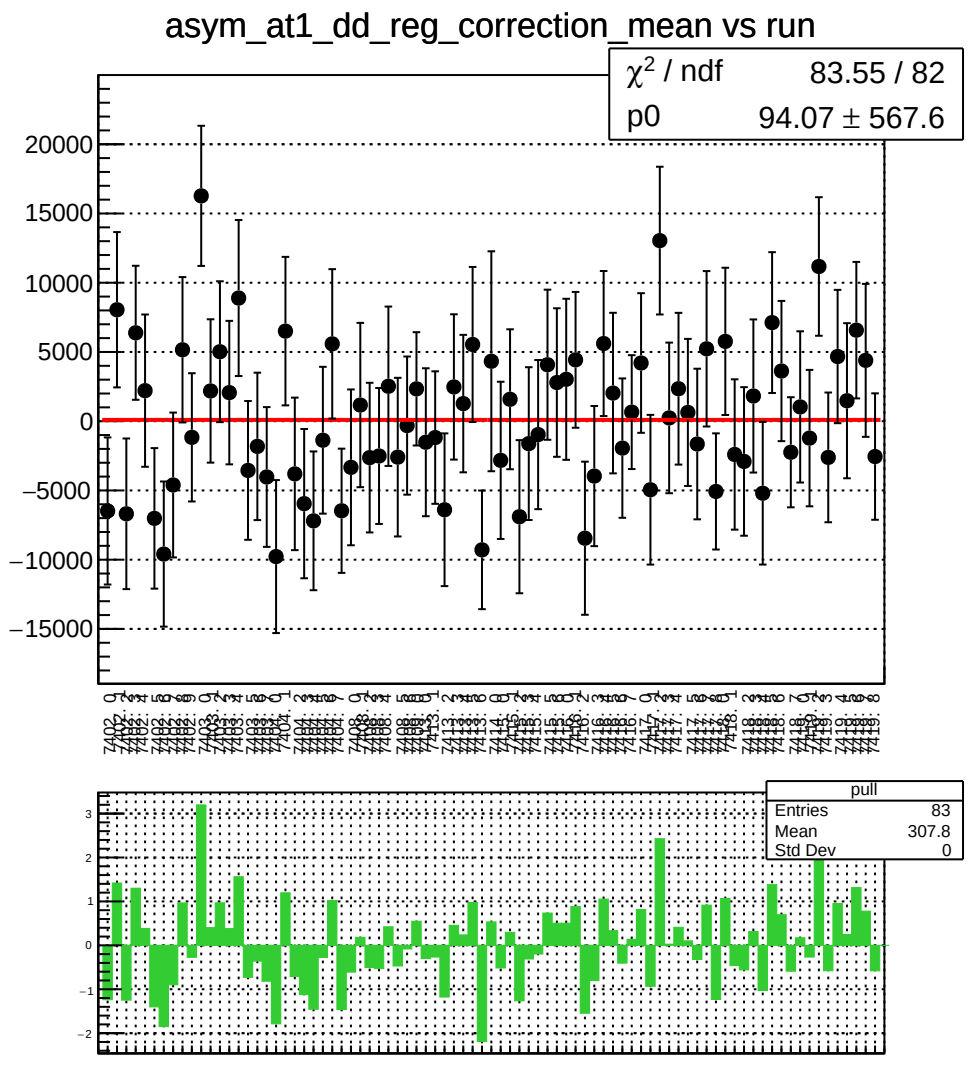

pull1D
Entries 83
Mean −0.009385
Std Dev 0.9796

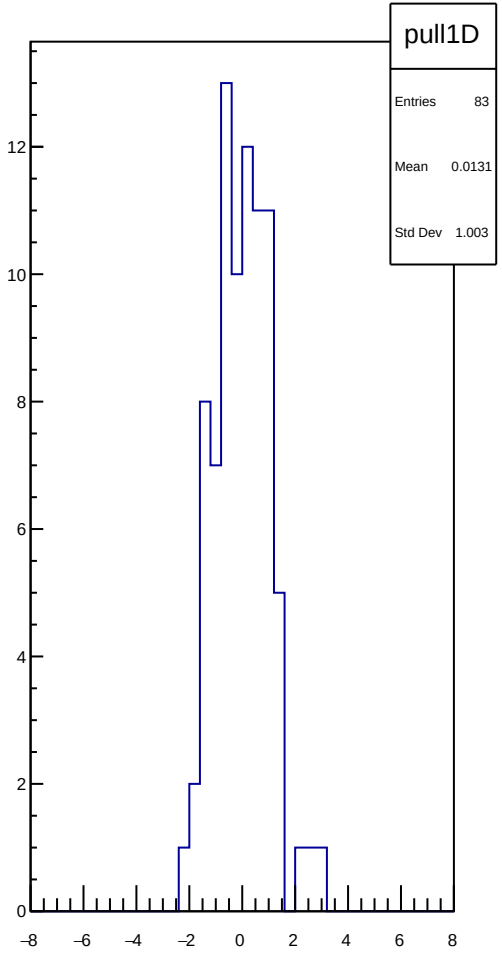

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.671e+05 / 82
p0 2.574e−12 ± 2.441e−15
20
18
16
14
12
10
8
6
4
2

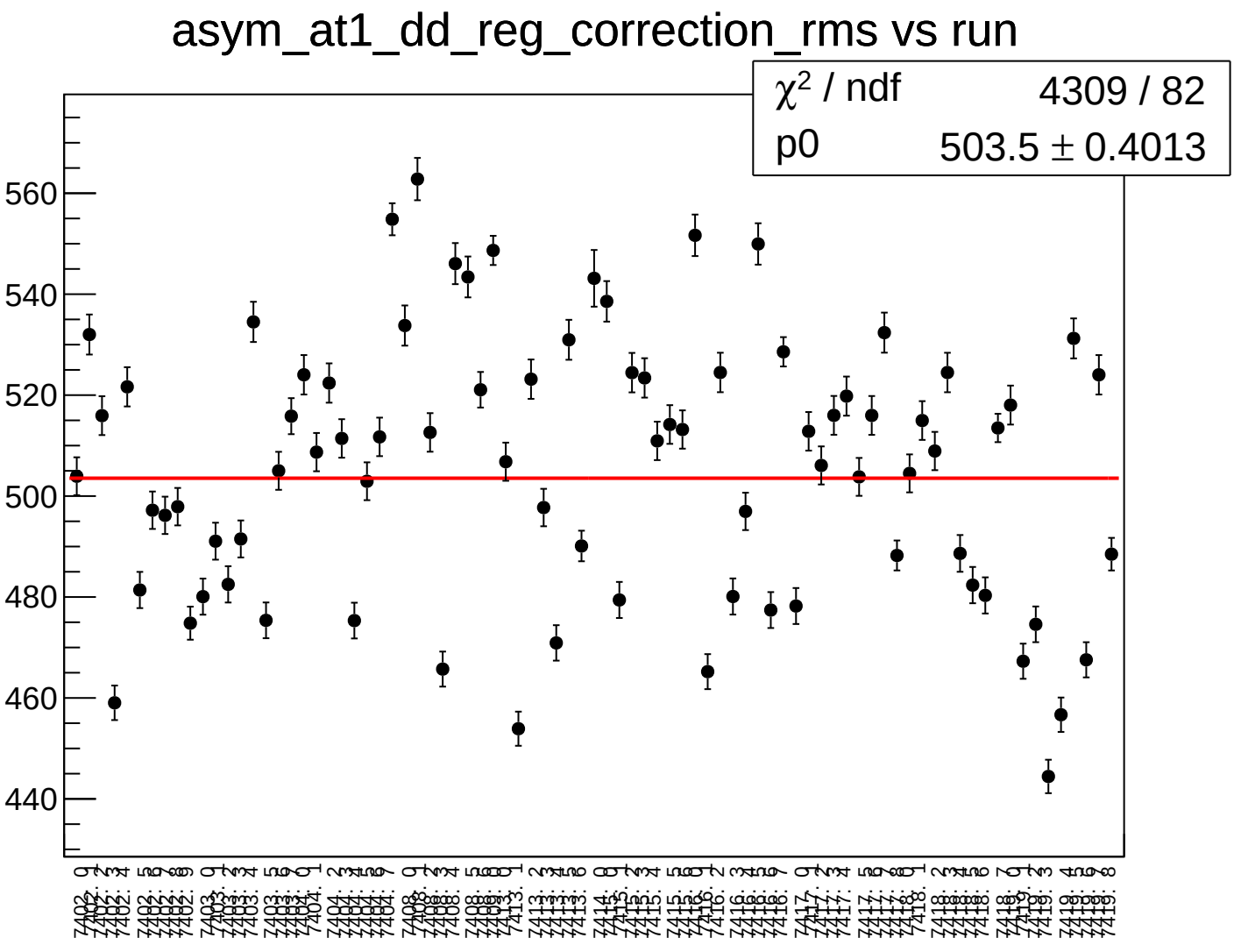

reg_asym_at1_dd_mean vs run
χ² / ndf 87.97 / 82
p0 −3578 ± 2024
pull
Entries 83
Mean 922
Std Dev 0

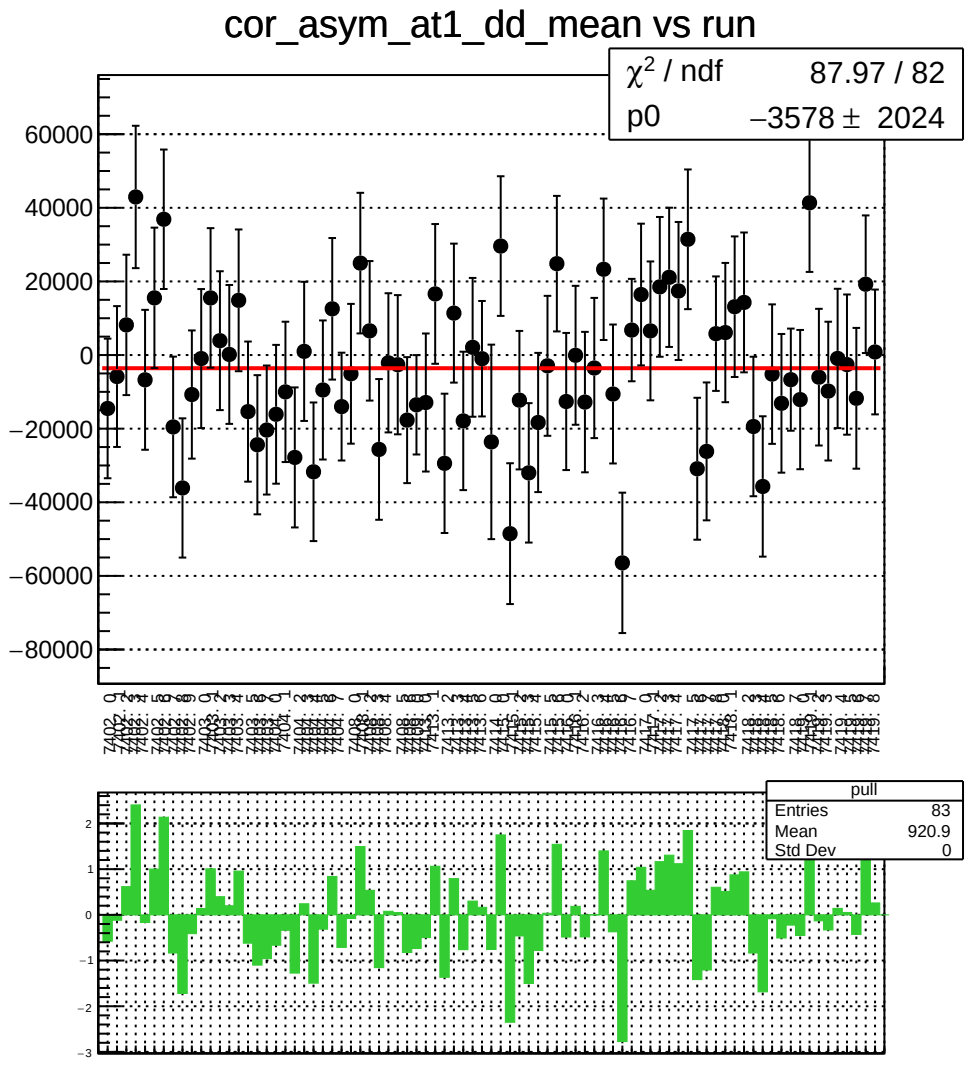

pull1D
Entries 83
Mean 0.001346
Std Dev 1.03

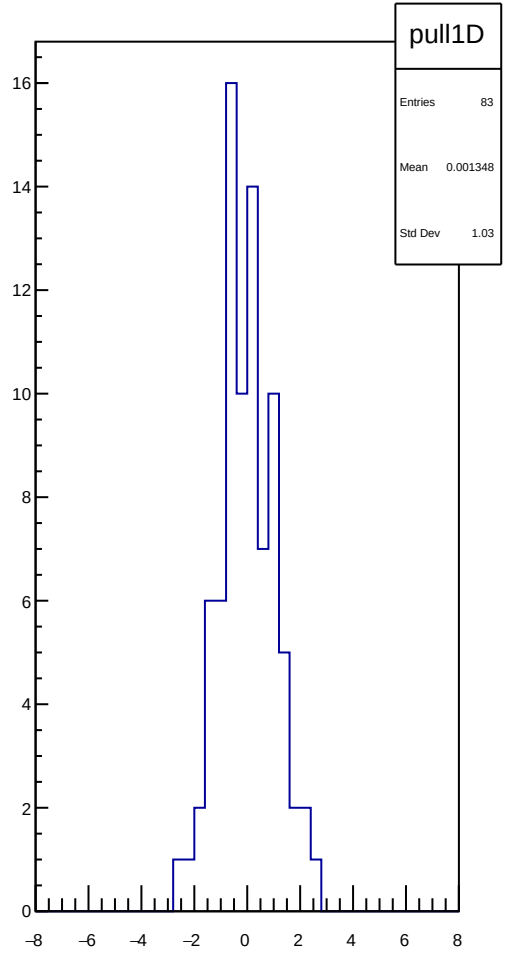

reg_asym_at1_dd_rms vs run
χ² / ndf 94.37 / 82
p0 1798 ± 1.431
1840
1820
1800
1780
1760
1740

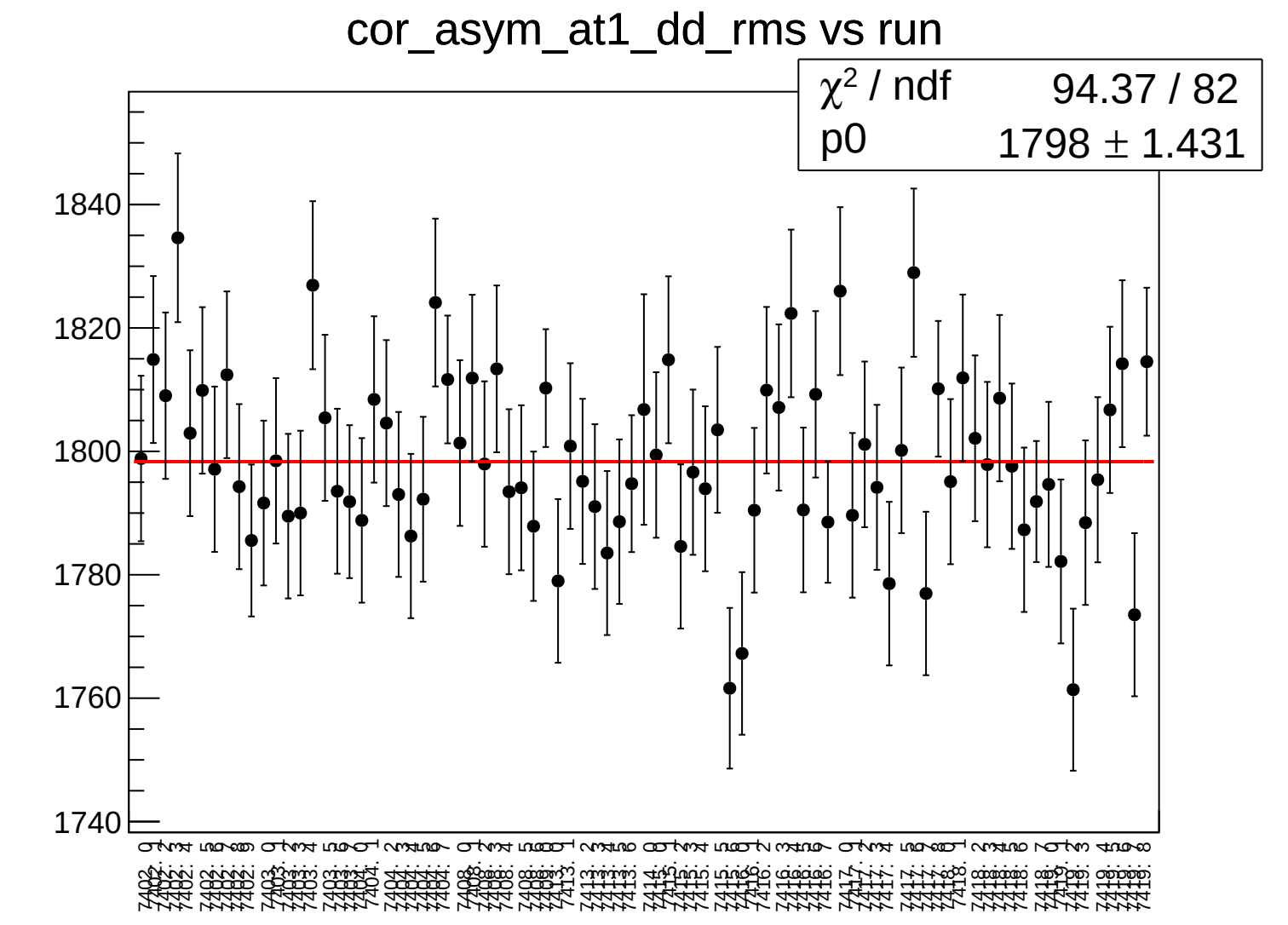

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 83.55 / 82
p0 94.07 ± 567.6
pull
Entries 83
Mean 307.8
Std Dev 0

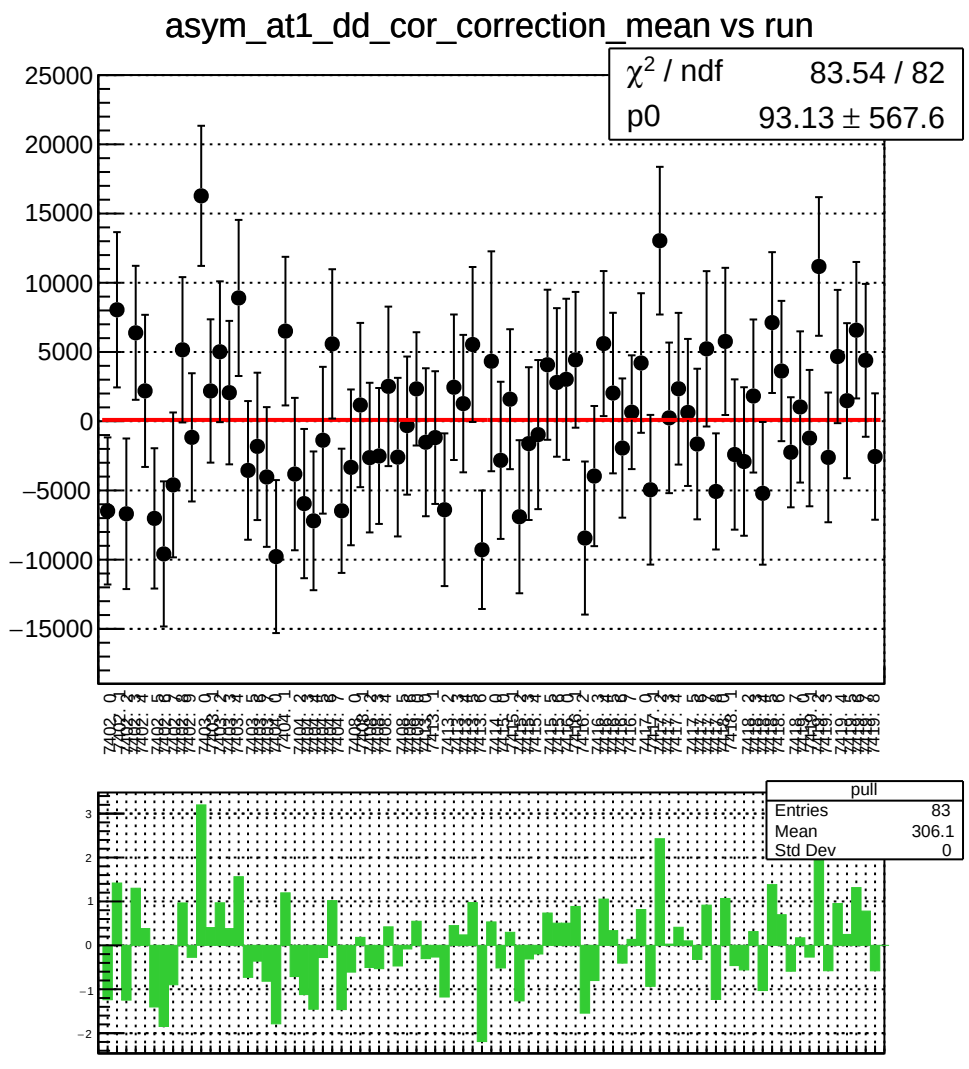

pull1D
Entries 83
Mean 0.0131
Std Dev 1.003

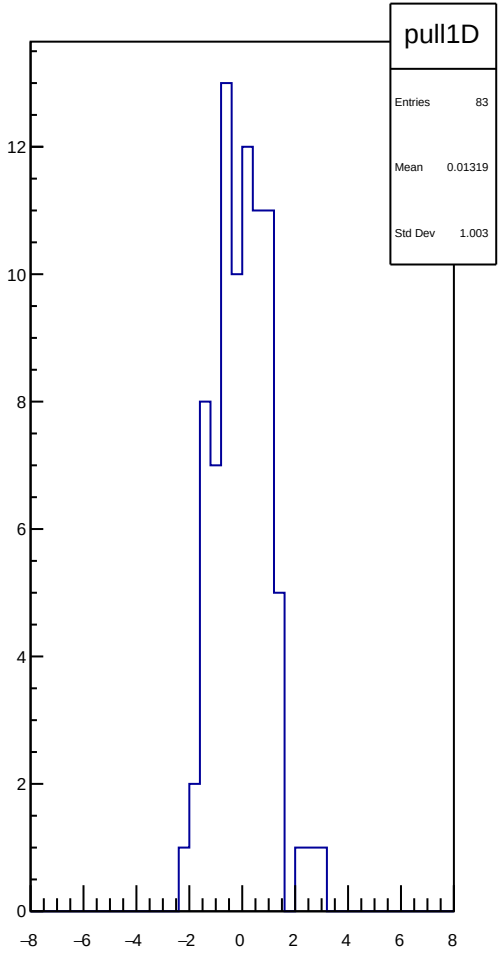

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 4309 / 82
p0 503.5 ± 0.4013
560
540
520
500
480
460
440

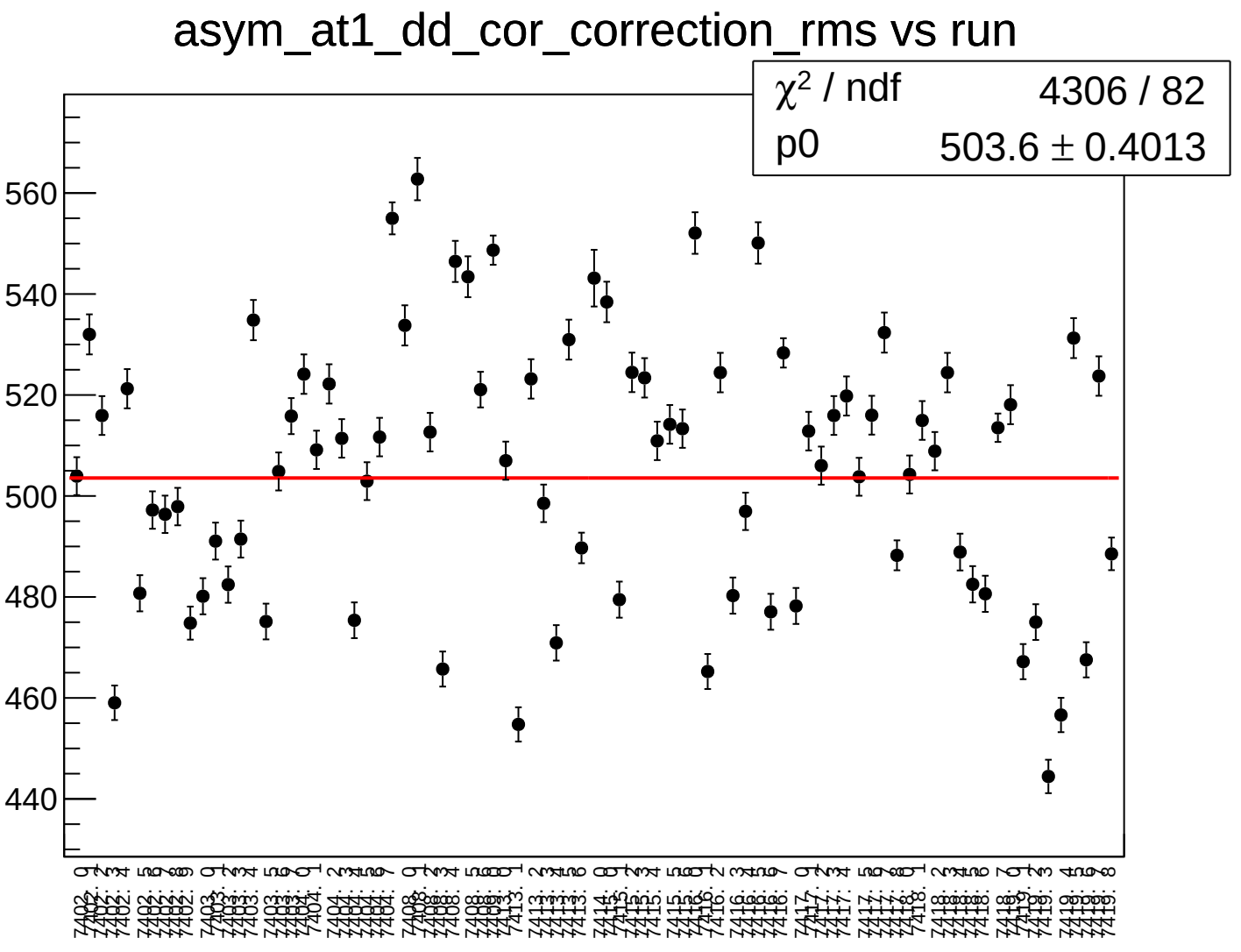

cor_asym_at1_dd_mean vs run
χ² / ndf 87.97 / 82
p0 −3578 ± 2024
pull
Entries 83
Mean 920.9
Std Dev 0

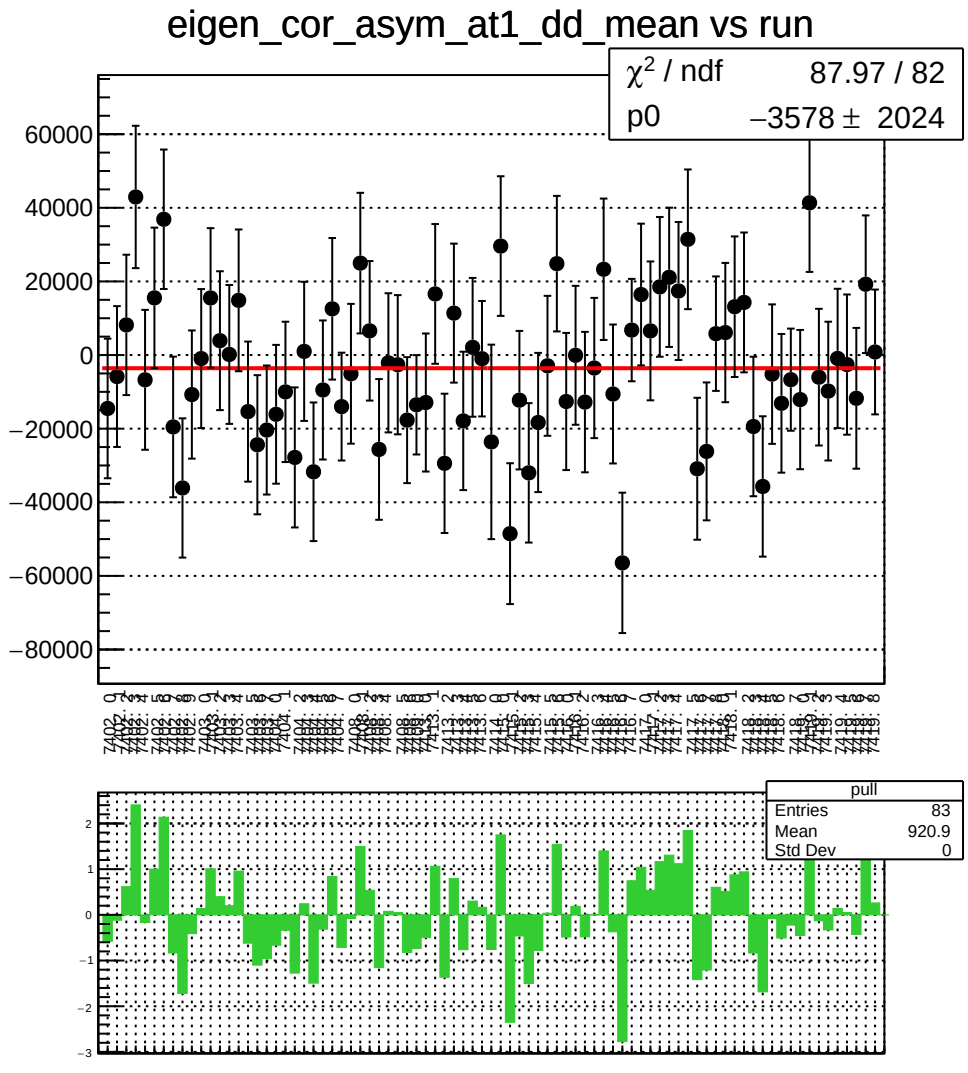

pull1D
Entries 83
Mean 0.001348
Std Dev 1.03

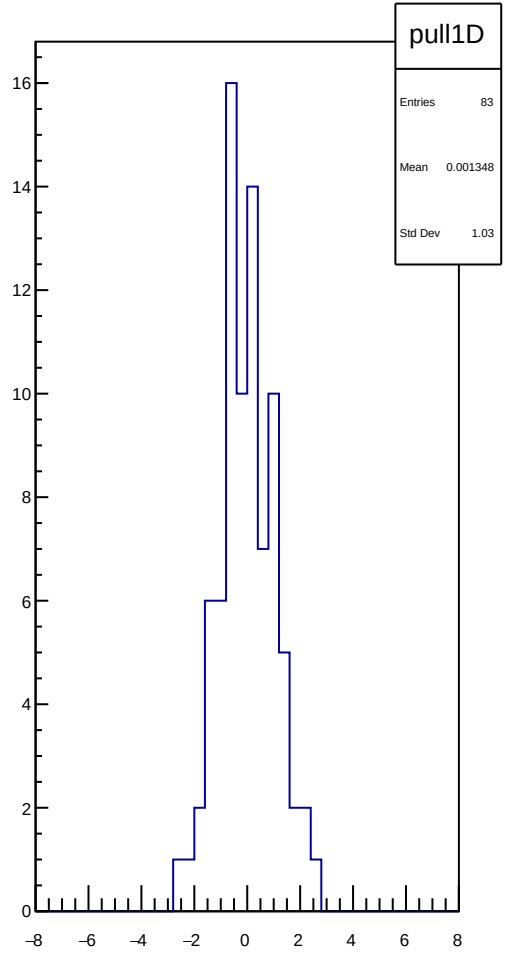

cor_asym_at1_dd_rms vs run
χ² / ndf 94.37 / 82
p0 1798 ± 1.431
1840
1820
1800
1780
1760
1740

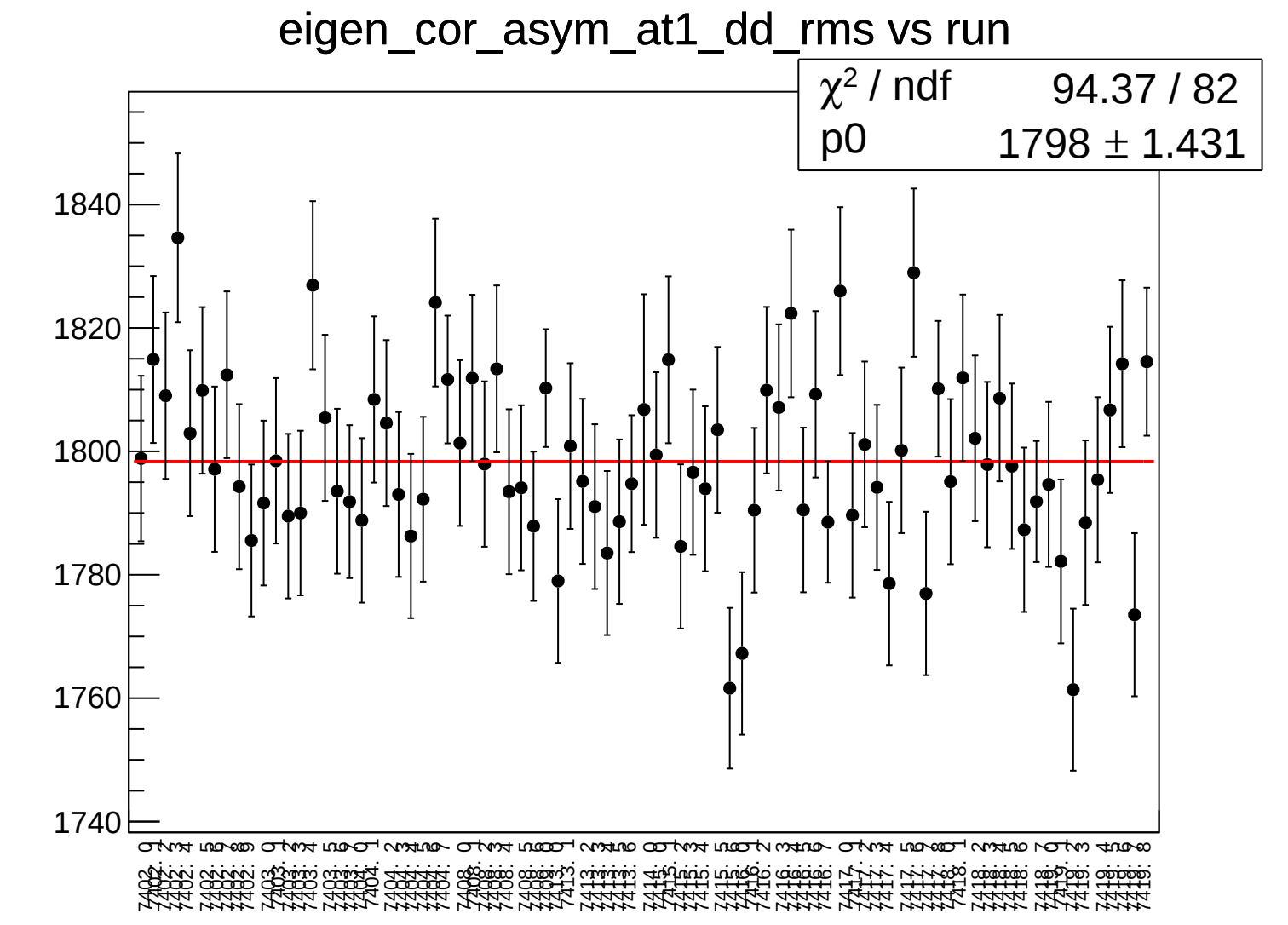

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 83.54 / 82
p0 93.13 ± 567.6
pull
Entries 83
Mean 306.1
Std Dev 0

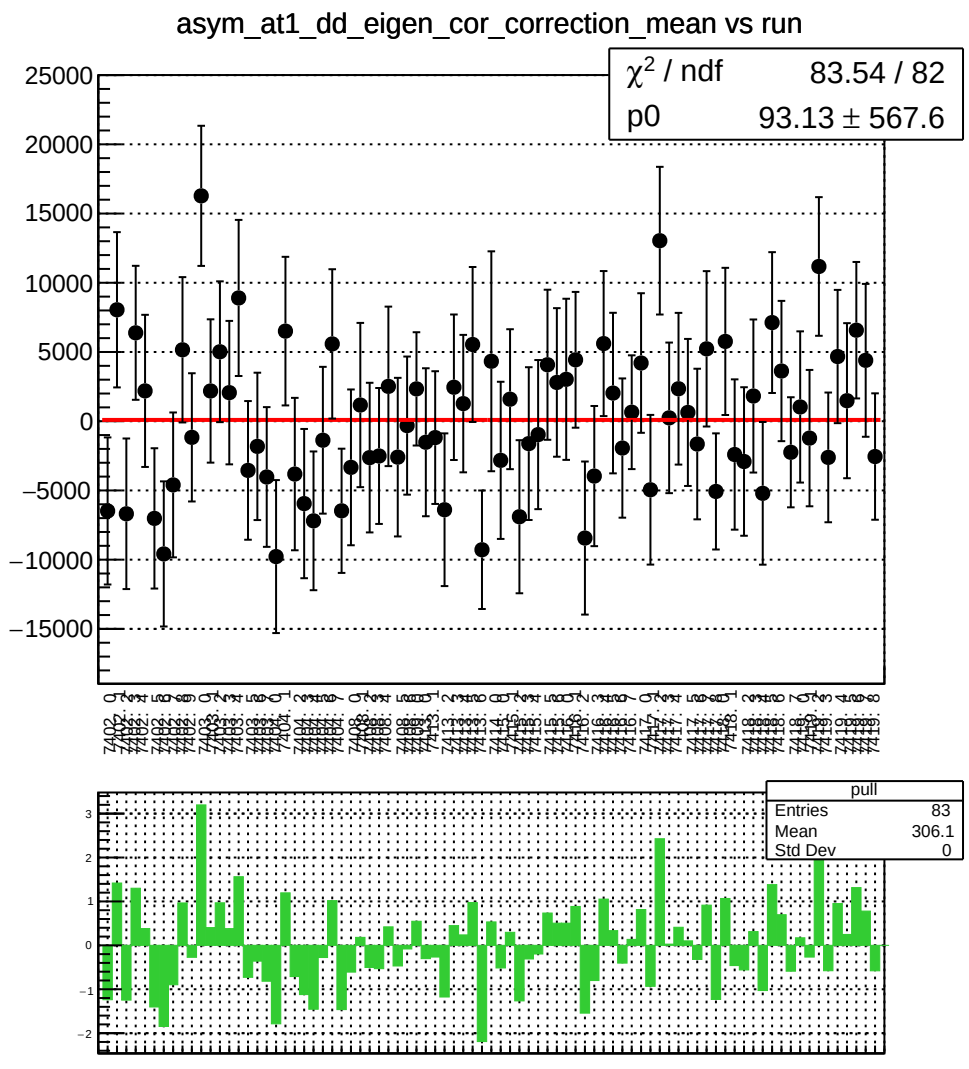

pull1D
Entries 83
Mean 0.01319
Std Dev 1.003

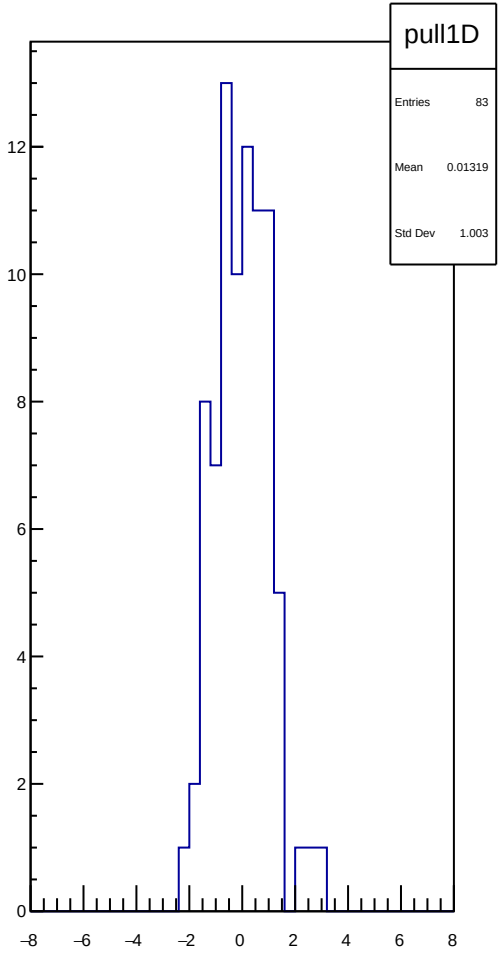

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 4306 / 82
p0 503.6 ± 0.4013
560
540
520
500
480
460
440

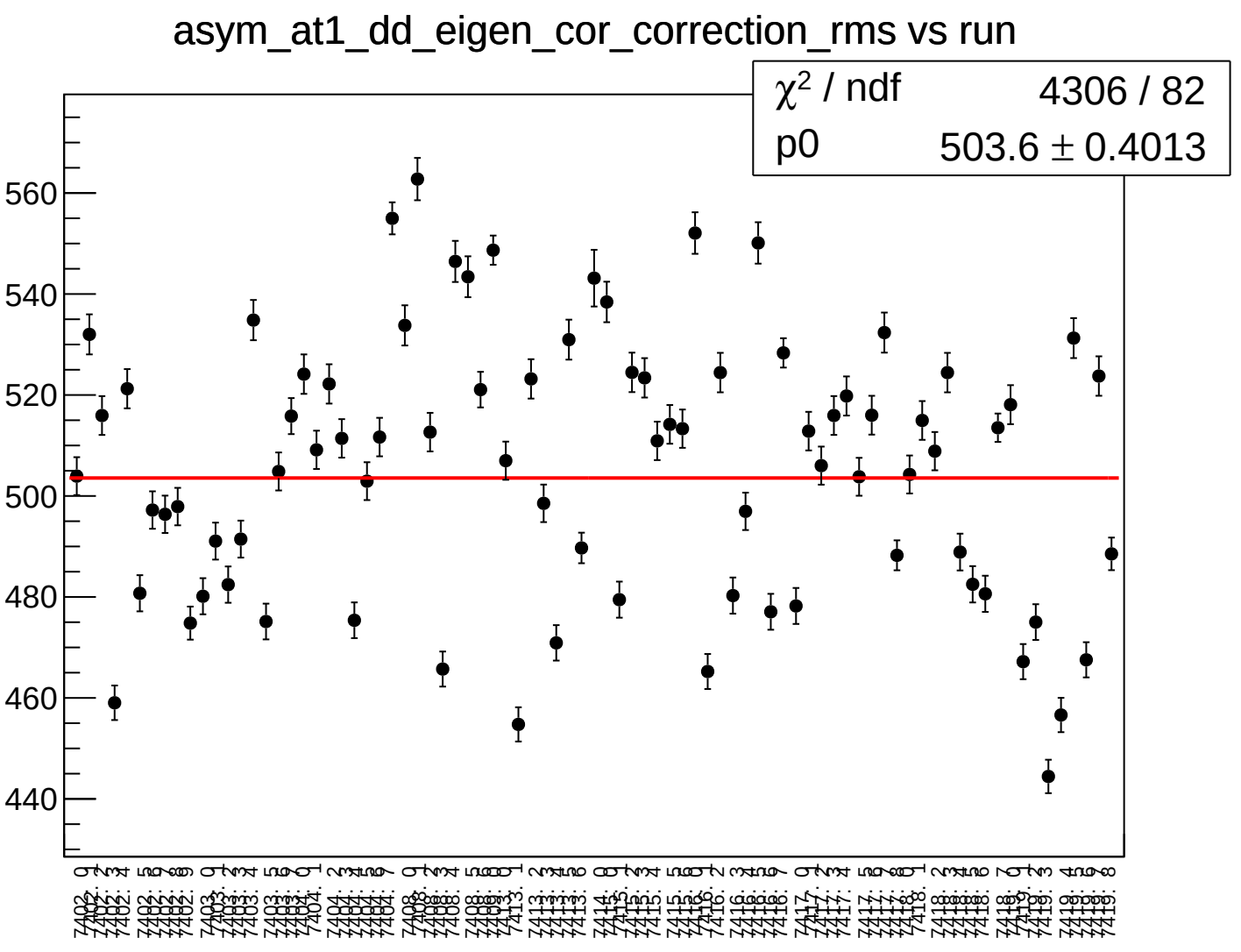

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 87.97 / 82
p0 −3578 ± 2024
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 920.9
Std Dev 0
2
1
0
−1
−2
−3

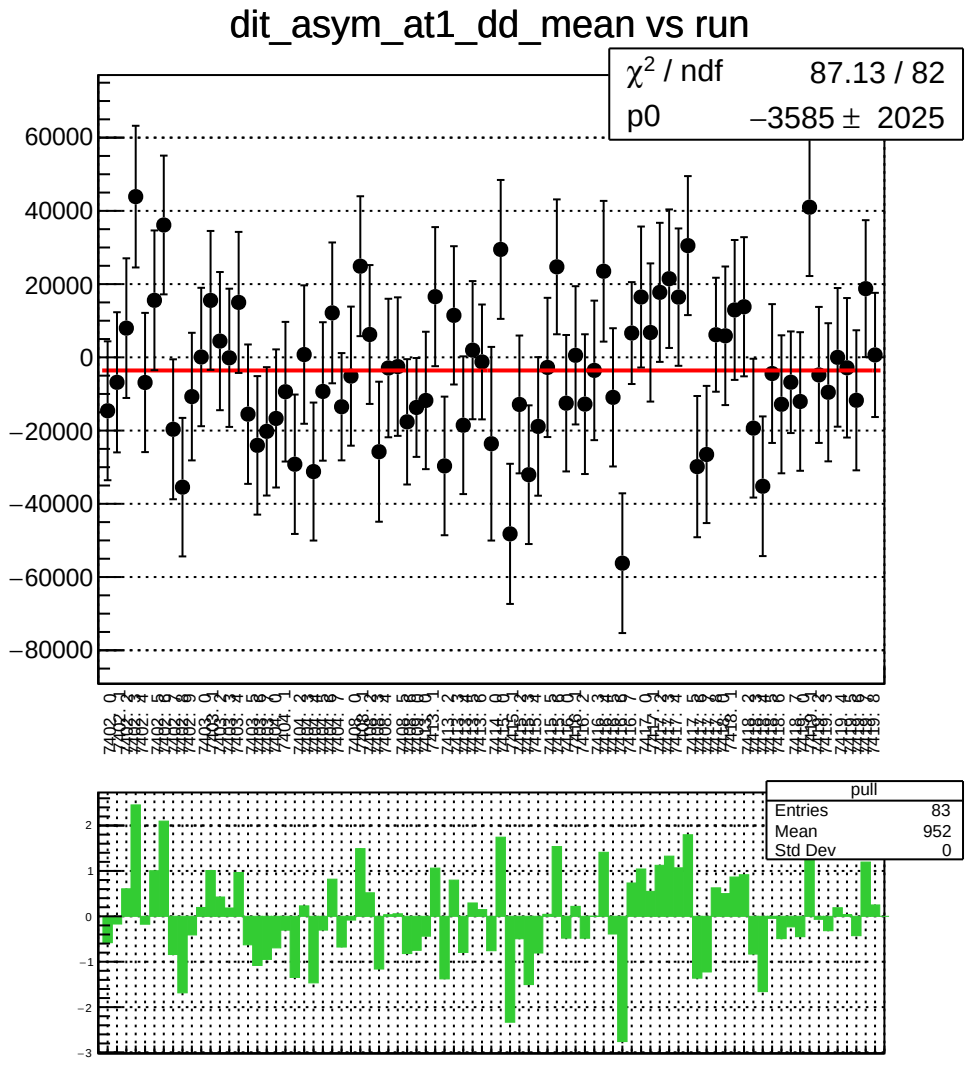

pull1D
Entries 83
Mean 0.001348
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

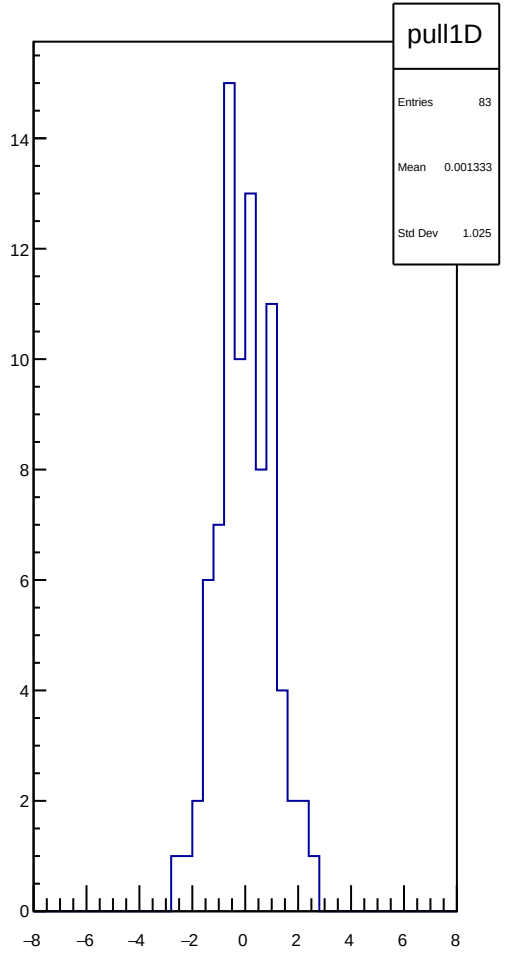

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 94.37 / 82
p0 1798 ± 1.431
1840
1820
1800
1780
1760
1740

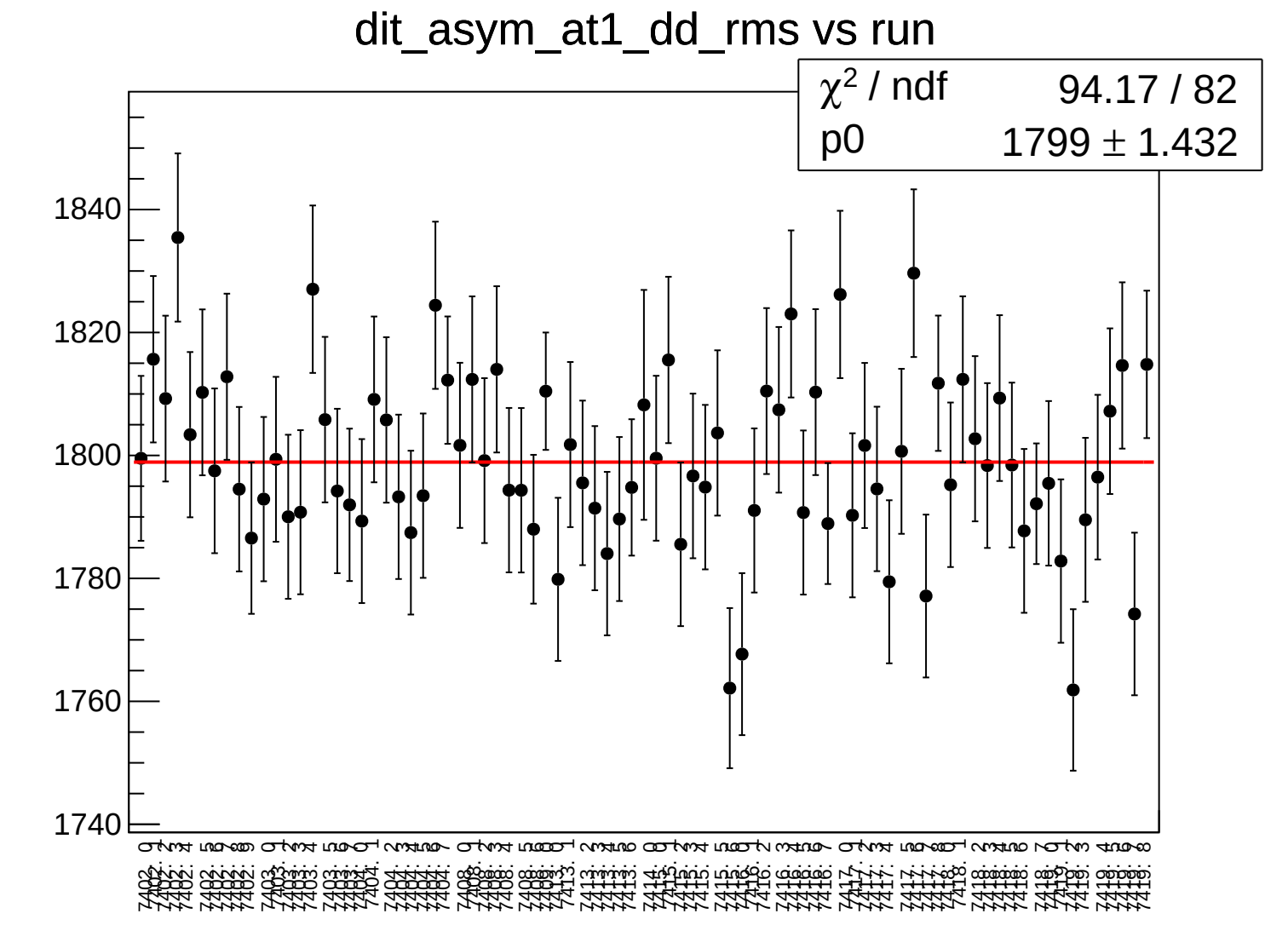

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.54 / 82
p0 93.13 ± 567.6
pull
Entries 83
Mean 306.1
Std Dev 0

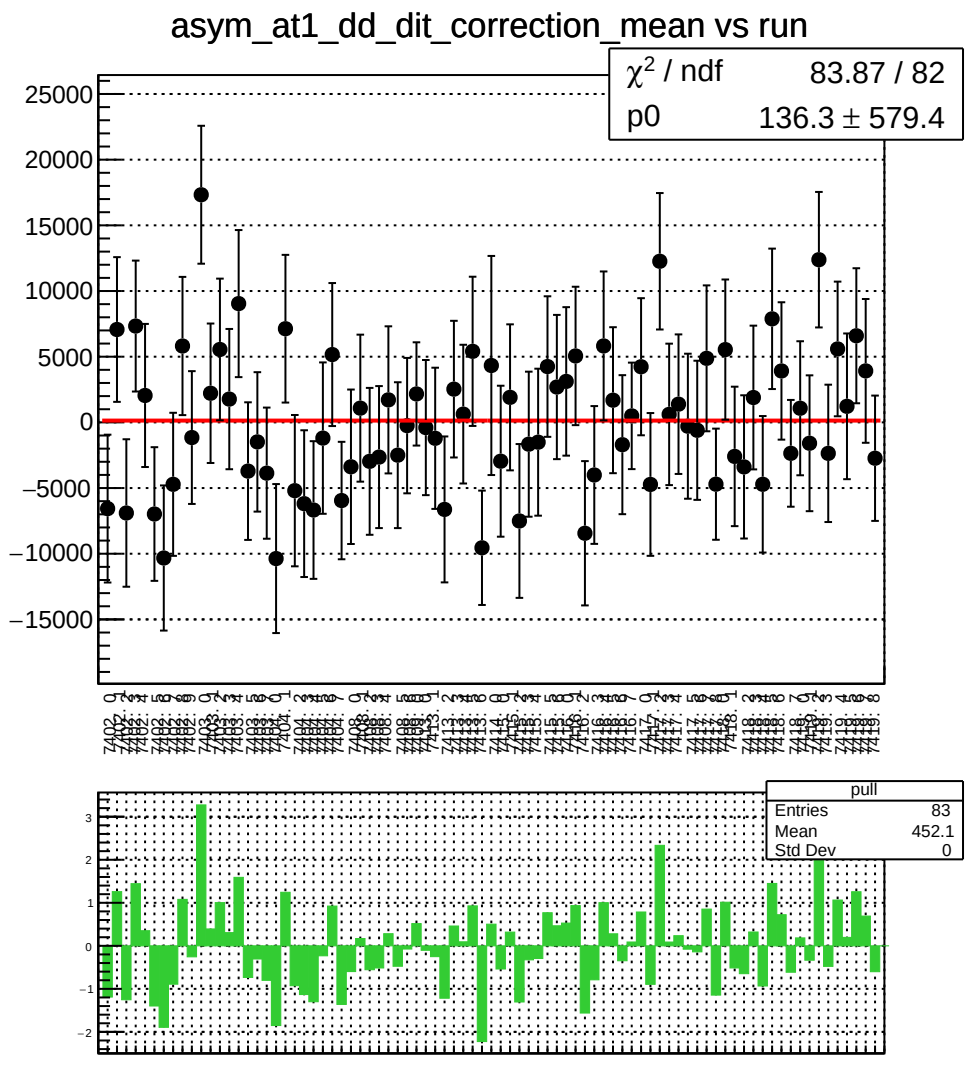

pull1D
Entries 83
Mean 0.01319
Std Dev 1.003

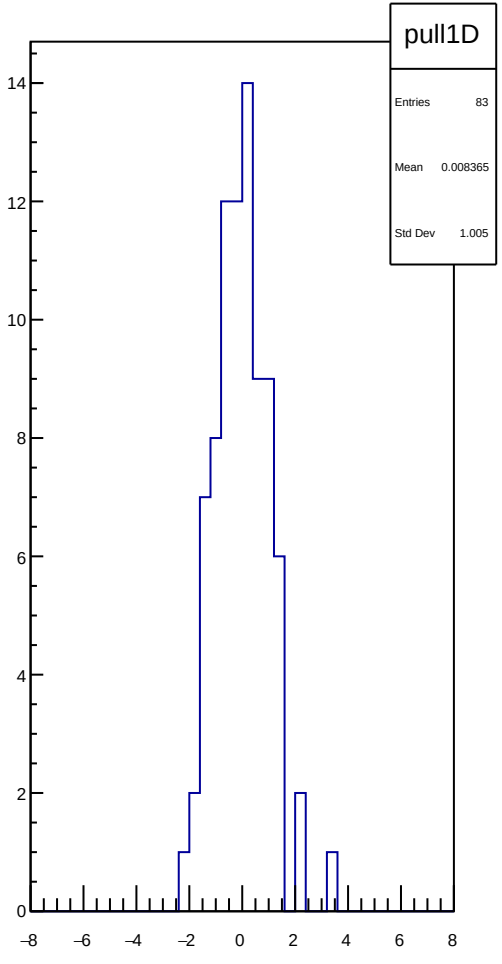

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4306 / 82
p0 503.6 ± 0.4013
560
540
520
500
480
460
440

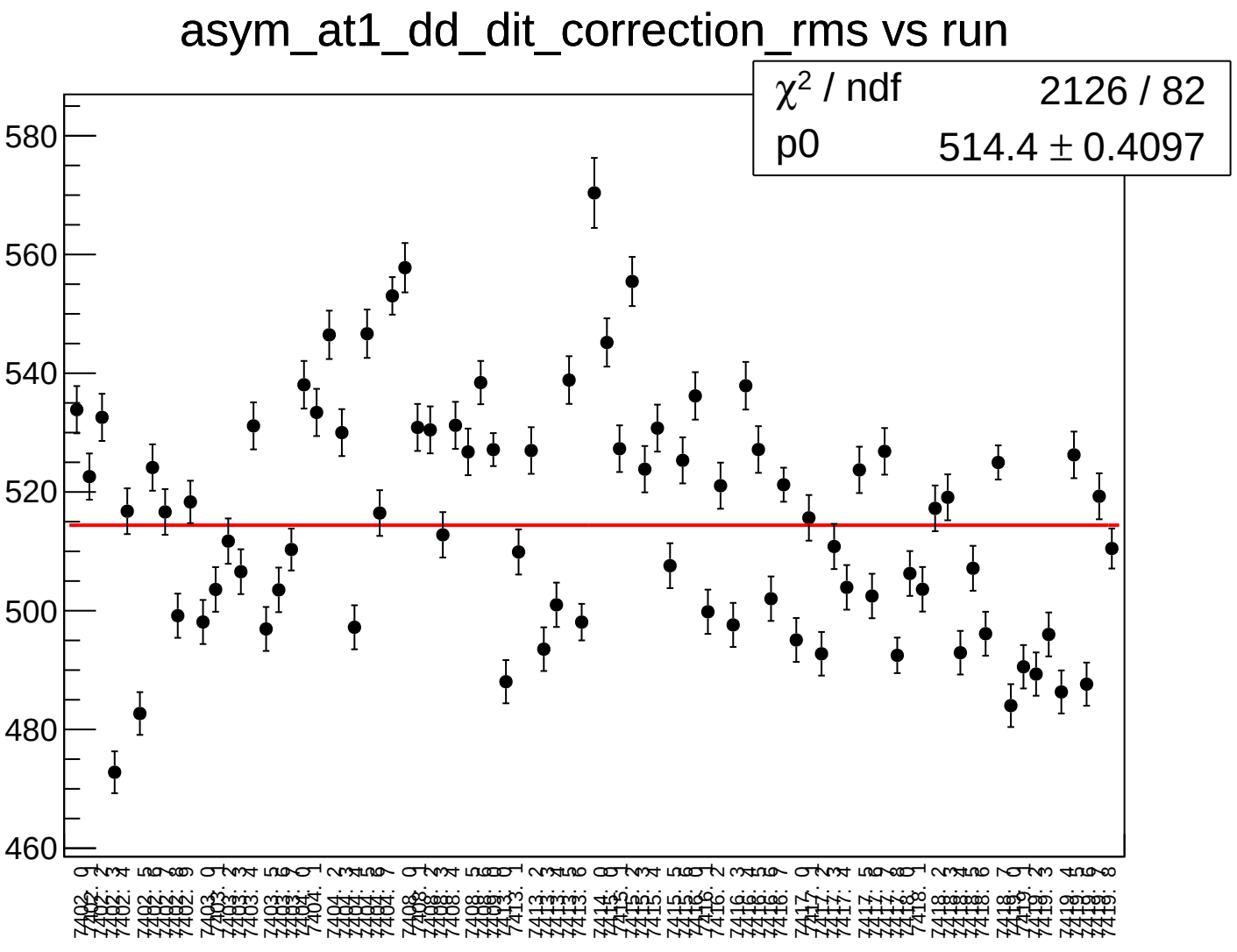

dit_asym_at1_dd_mean vs run
χ² / ndf 87.13 / 82
p0 −3585 ± 2025
pull
Entries 83
Mean 952
Std Dev 0

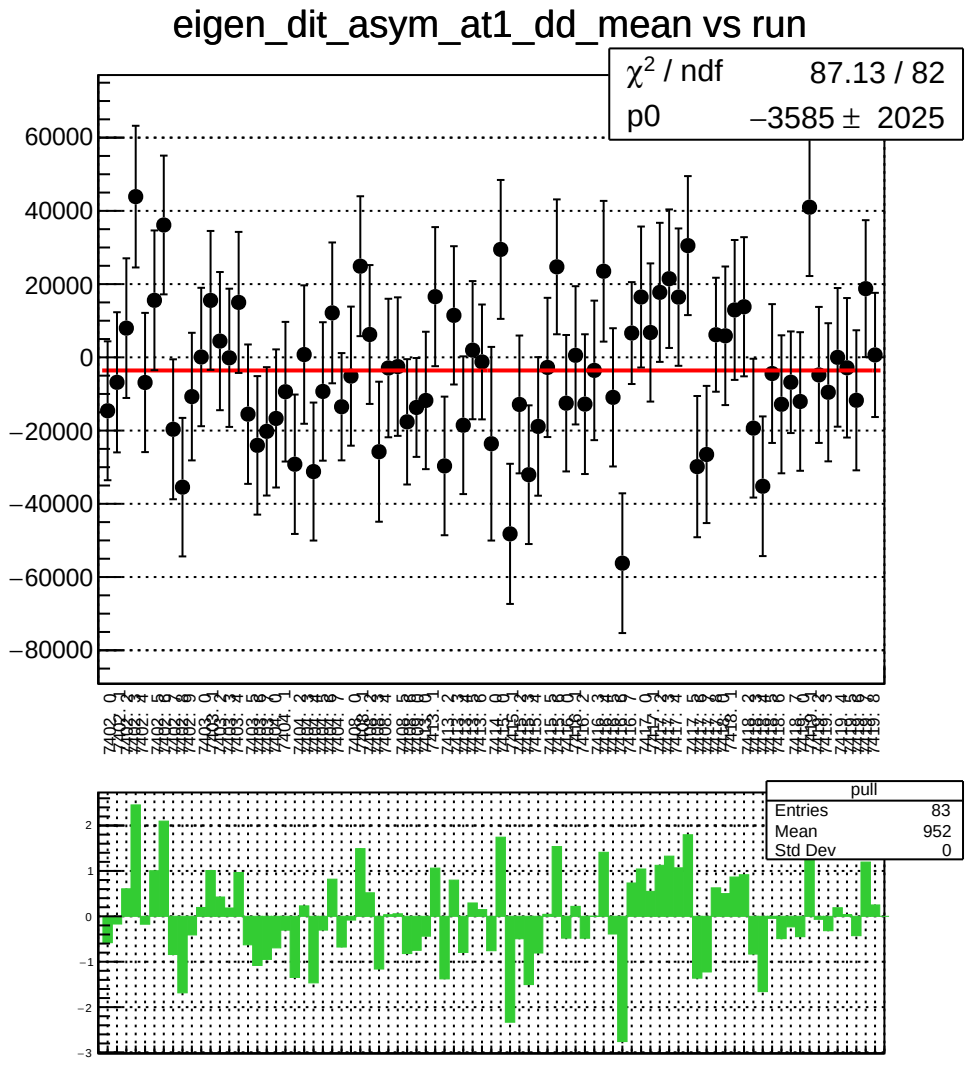

pull1D
Entries 83
Mean 0.001333
Std Dev 1.025

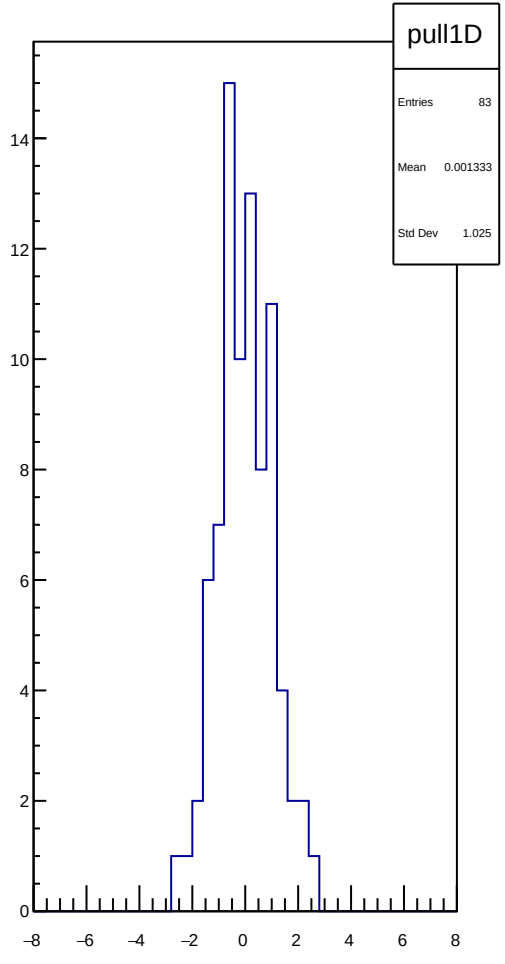

dit_asym_at1_dd_rms vs run
χ² / ndf 94.17 / 82
p0 1799 ± 1.432
1840
1820
1800
1780
1760
1740

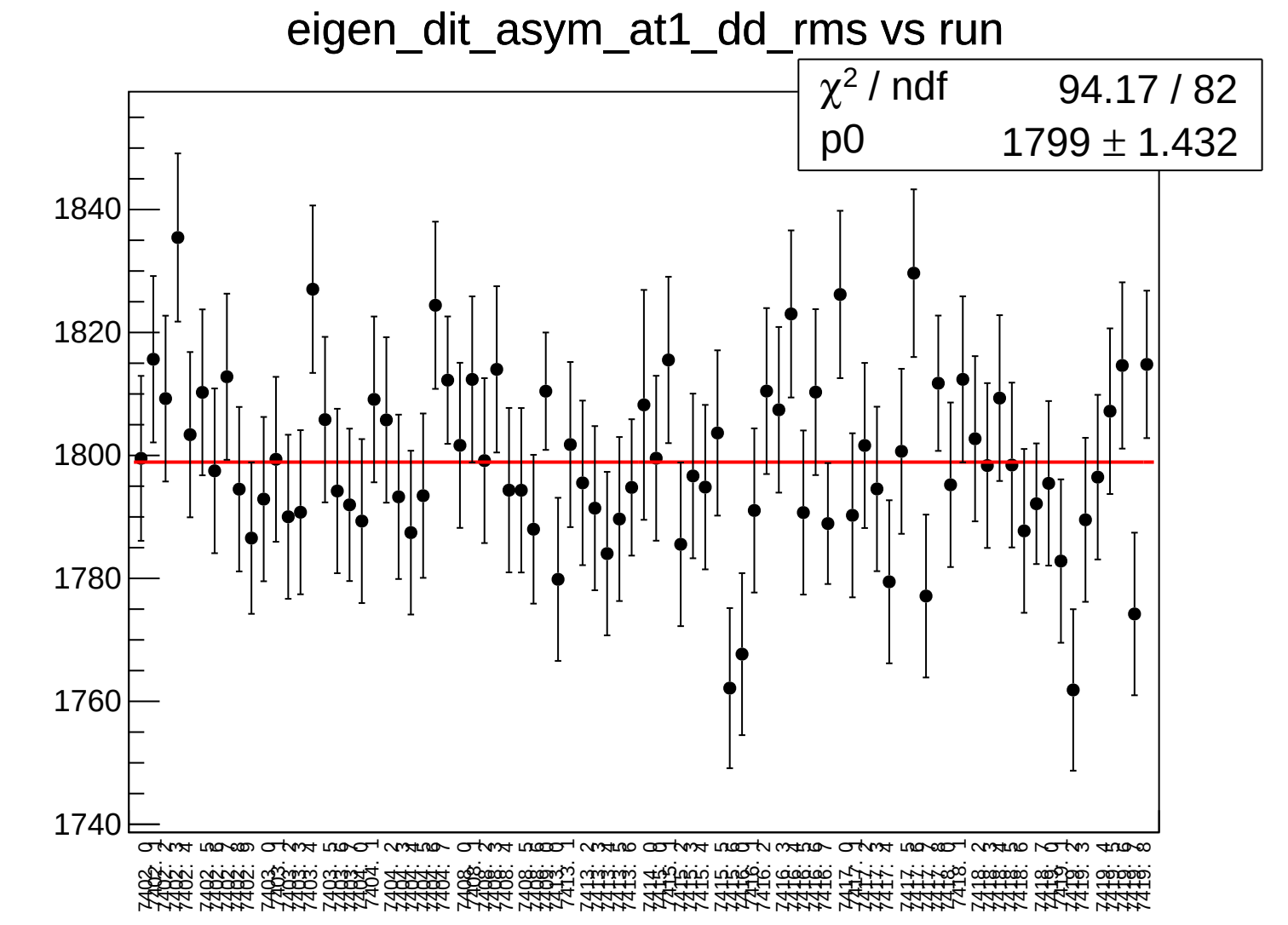

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 83.87 / 82
p0 136.3 ± 579.4
pull
Entries 83
Mean 452.1
Std Dev 0

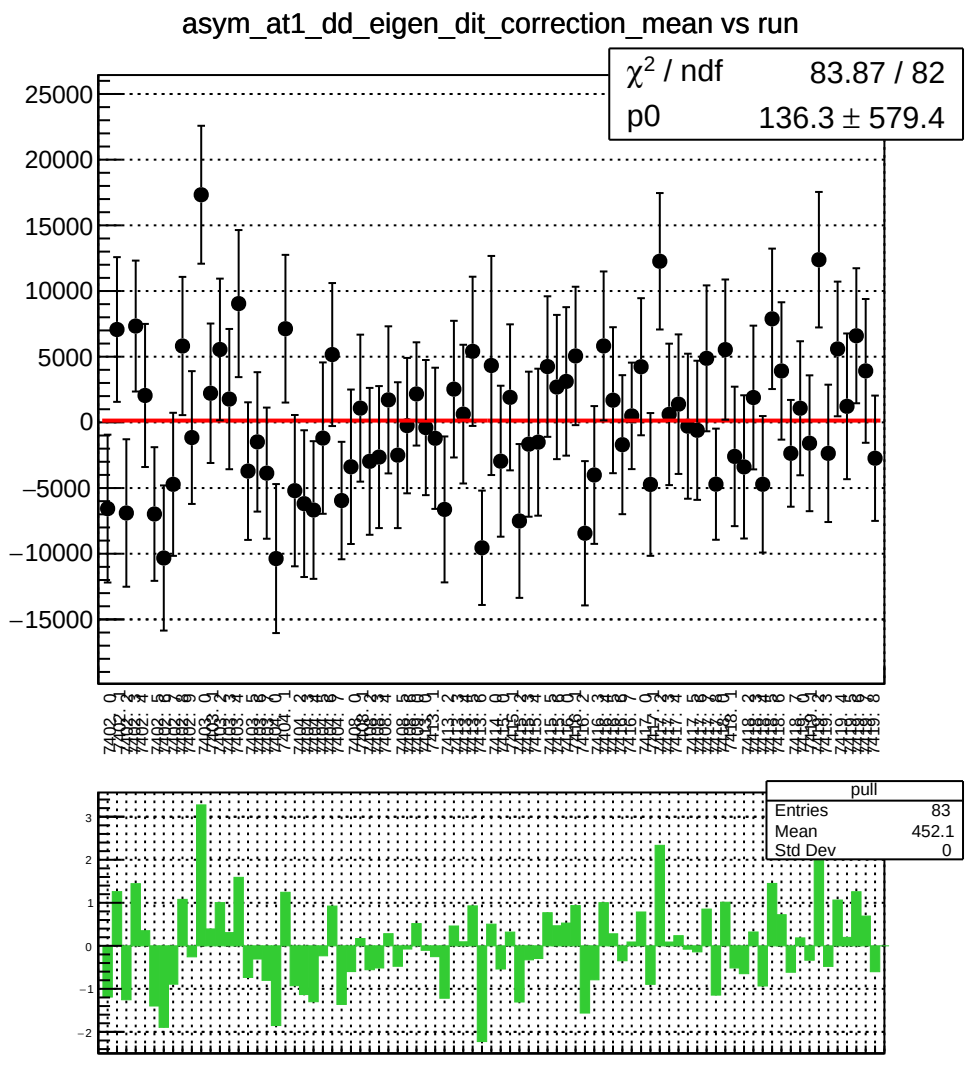

pull1D
Entries 83
Mean 0.008365
Std Dev 1.005

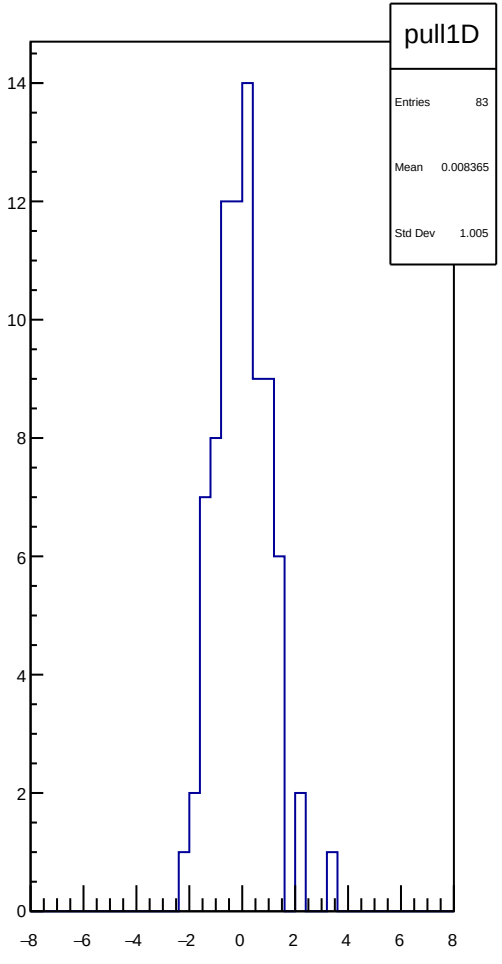

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 2126 / 82
p0 514.4 ± 0.4097
580
560
540
520
500
480
460

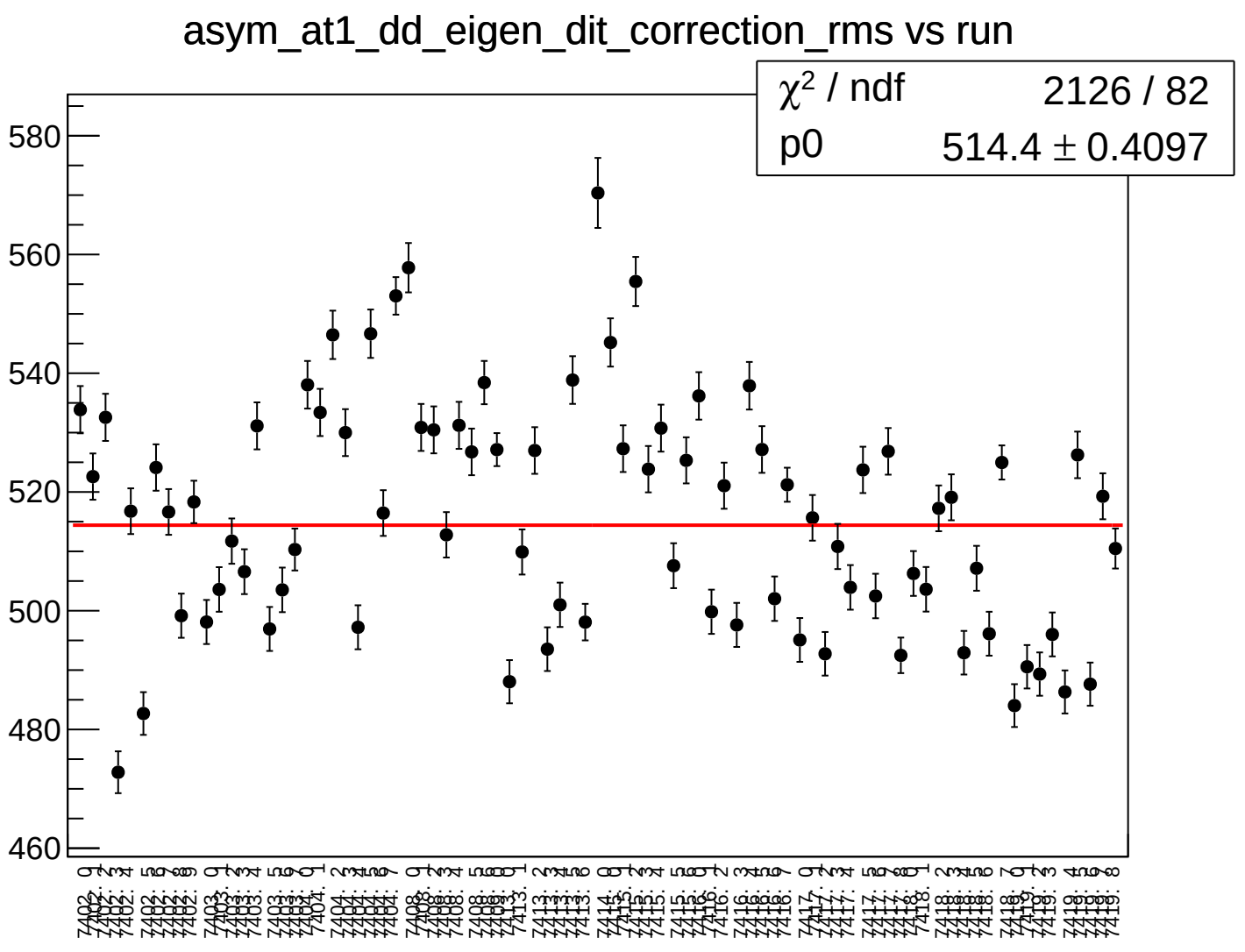

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 87.13 / 82
p0 −3585 ± 2025
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 952
Std Dev 0
2
1
0
−1
−2
−3

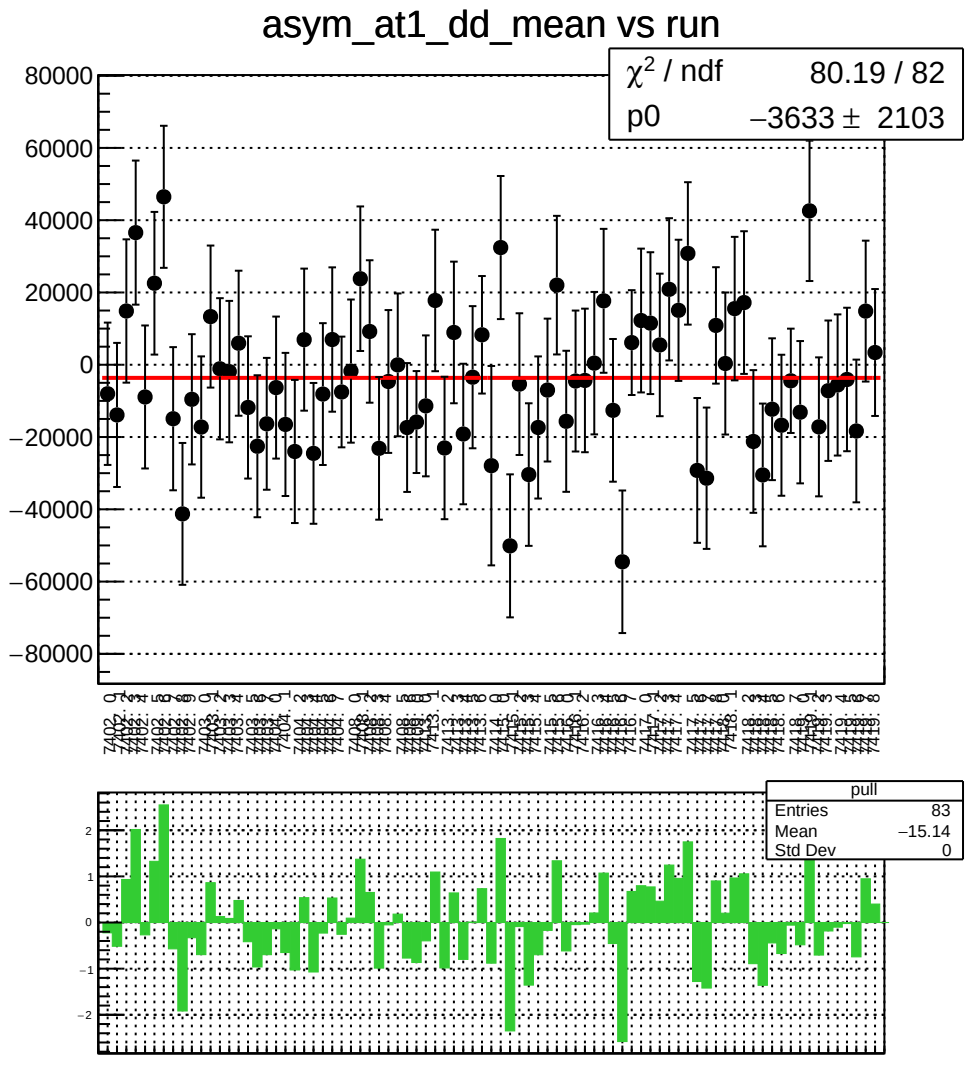

pull1D
Entries 83
Mean 0.001333
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

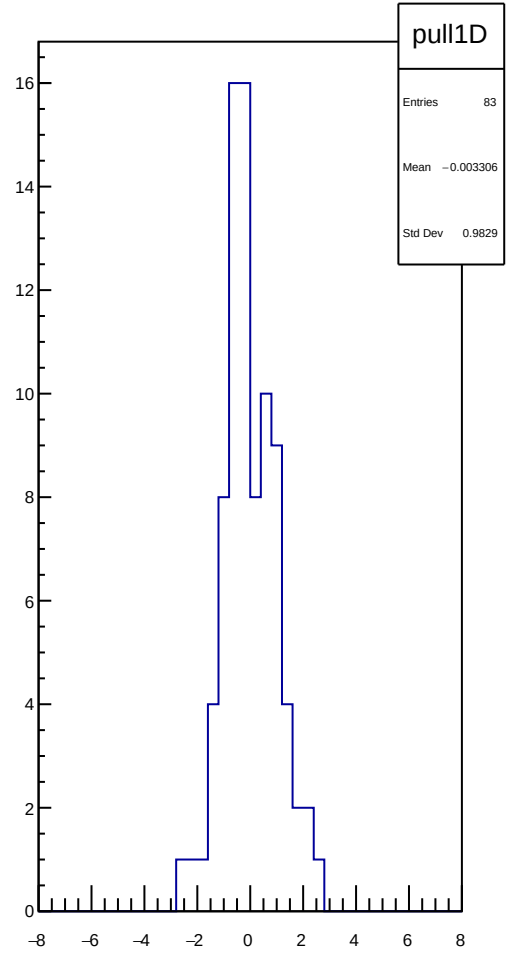

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 94.17 / 82
p0 1799 ± 1.432
1840
1820
1800
1780
1760
1740

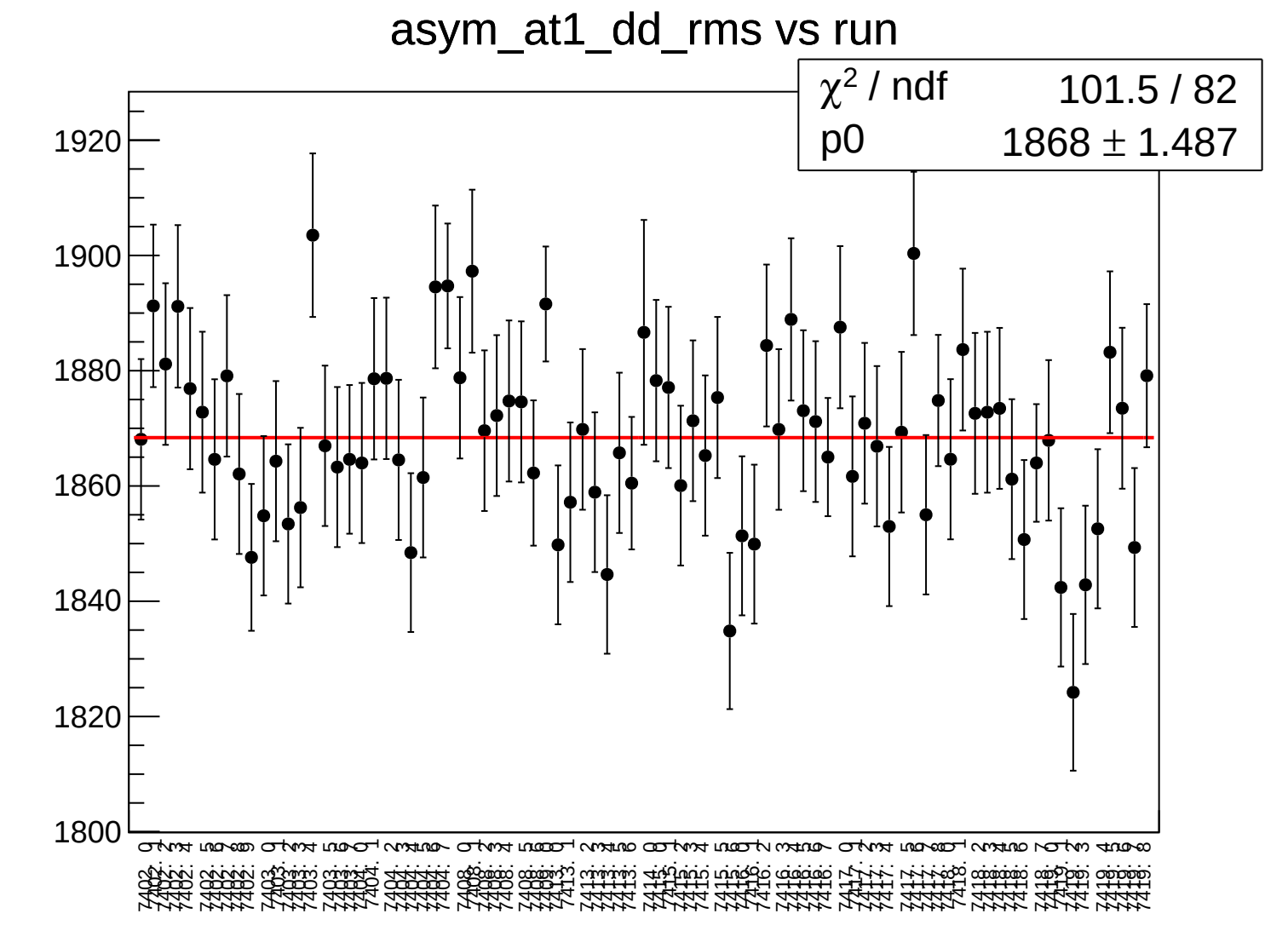

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.87 / 82
p0 136.3 ± 579.4
pull
Entries 83
Mean 452.1
Std Dev 0

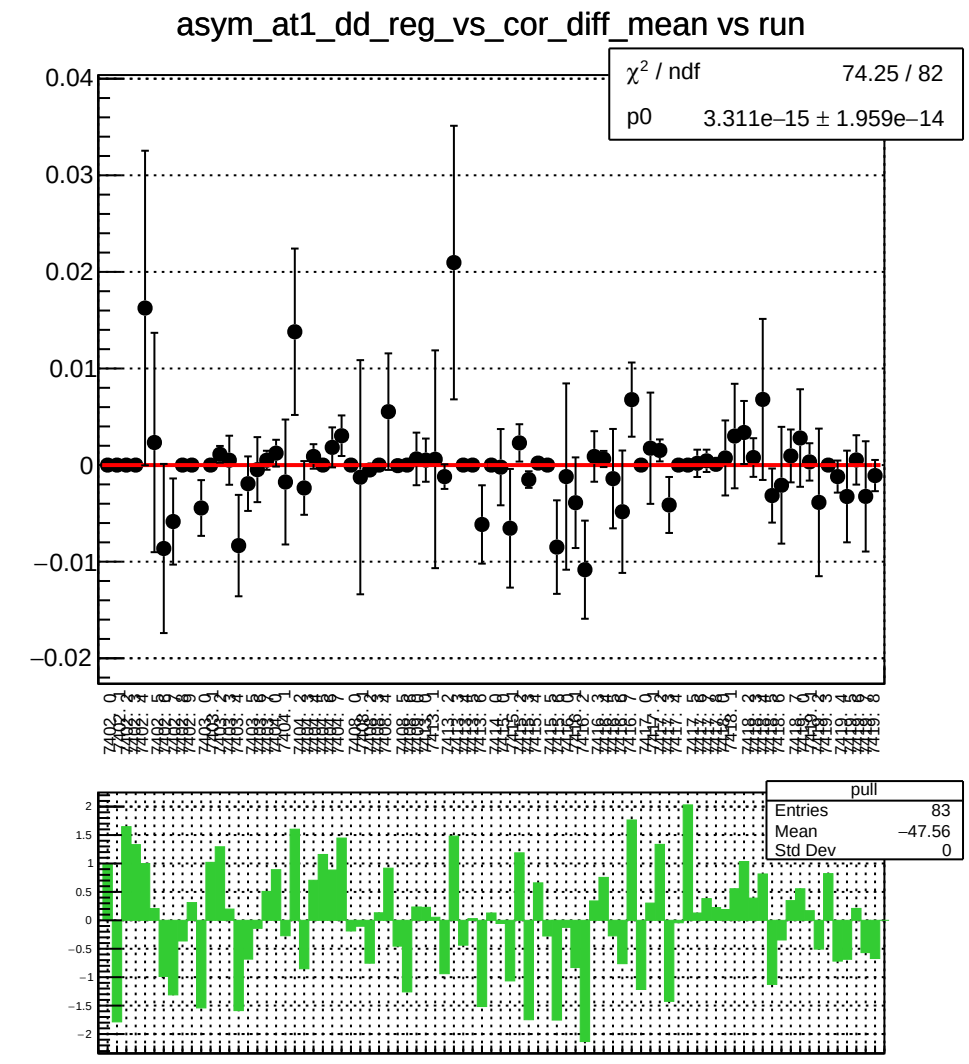

pull1D
Entries 83
Mean 0.008365
Std Dev 1.005

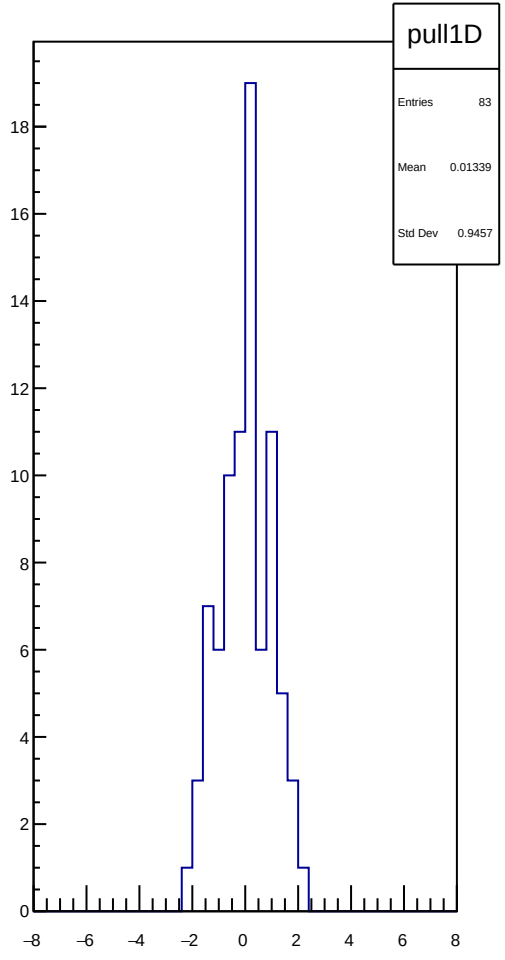

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2126 / 82
p0 514.4 ± 0.4097
580
560
540
520
500
480
460

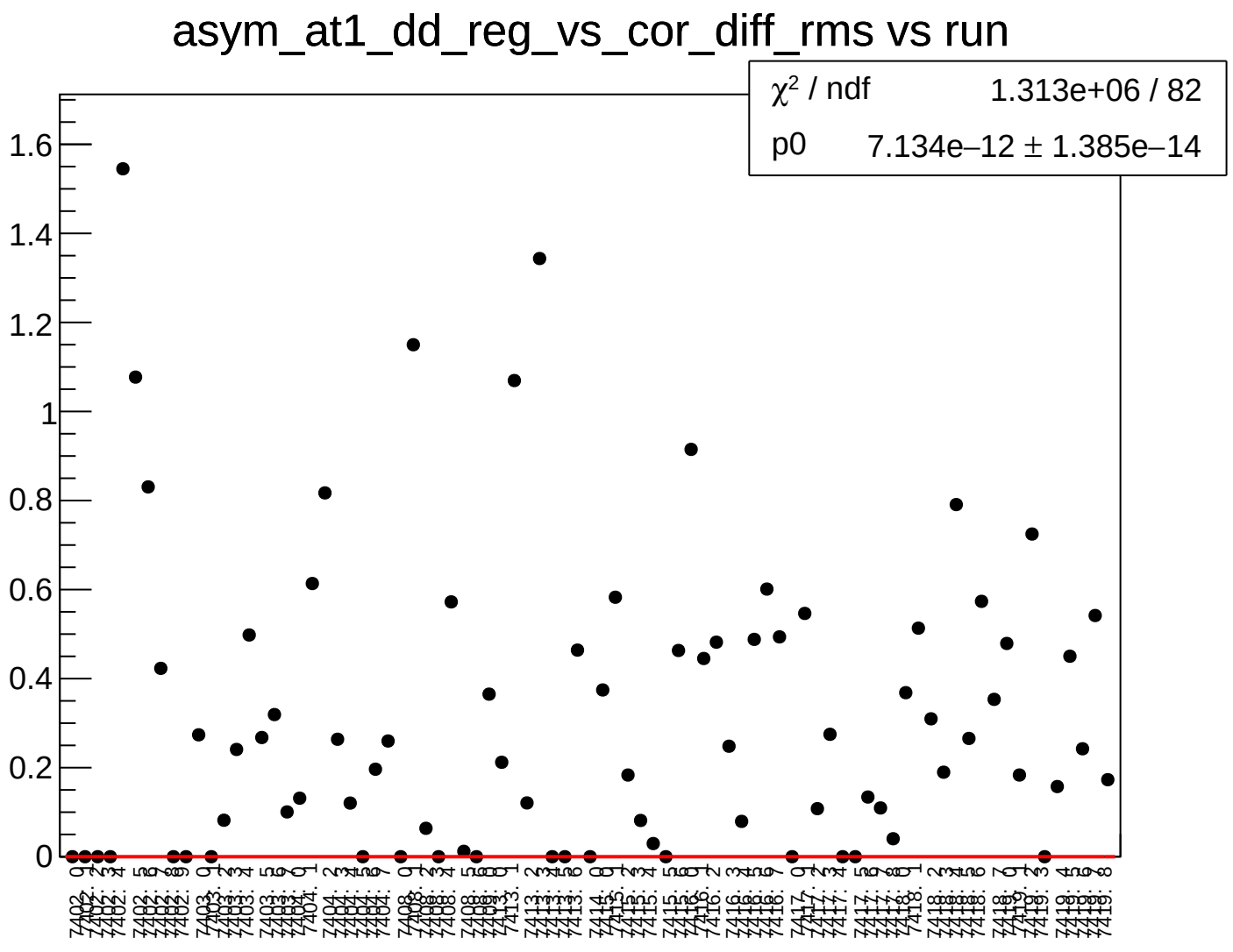

asym_at1_dd_mean vs run
χ² / ndf 80.19 / 82
p0 −3633 ± 2103
pull
Entries 83
Mean −15.14
Std Dev 0

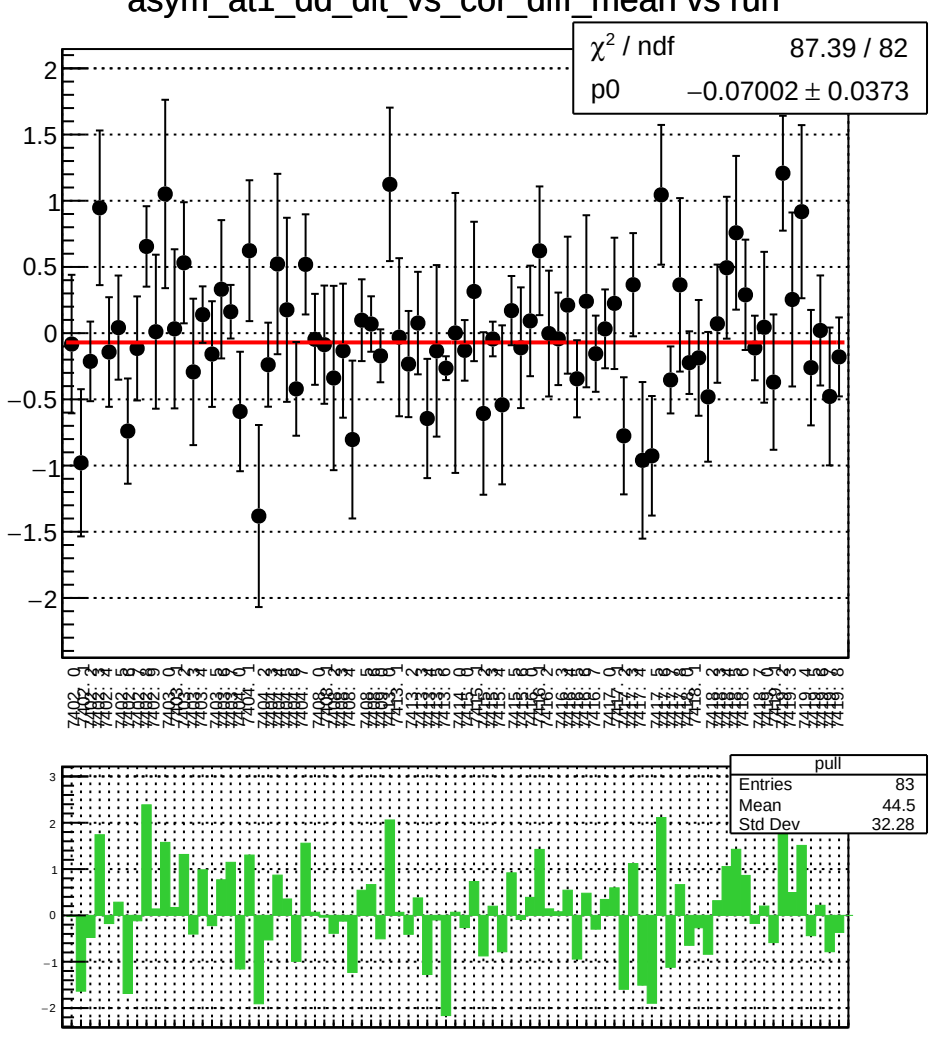

pull1D
Entries 83
Mean −0.003306
Std Dev 0.9829

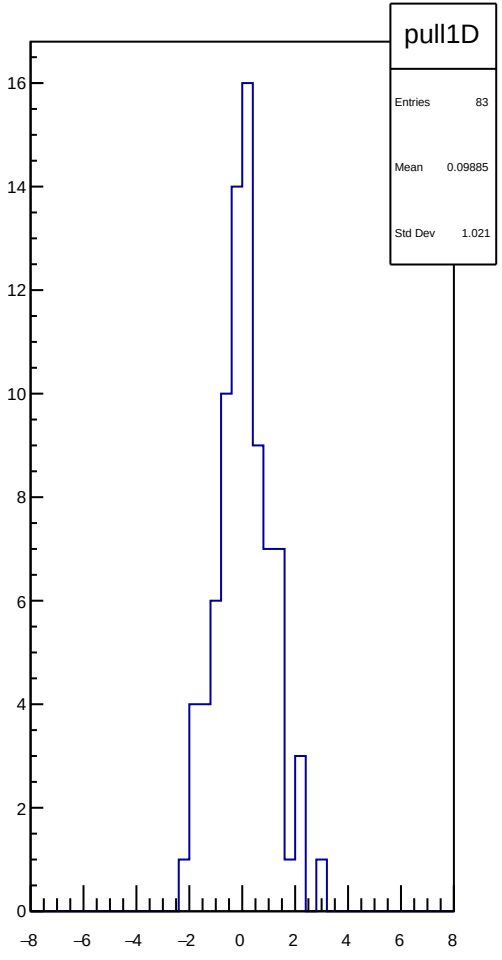

asym_at1_dd_rms vs run
χ² / ndf 101.5 / 82
p0 1868 ± 1.487
1920
1900
1880
1860
1840
1820
1800

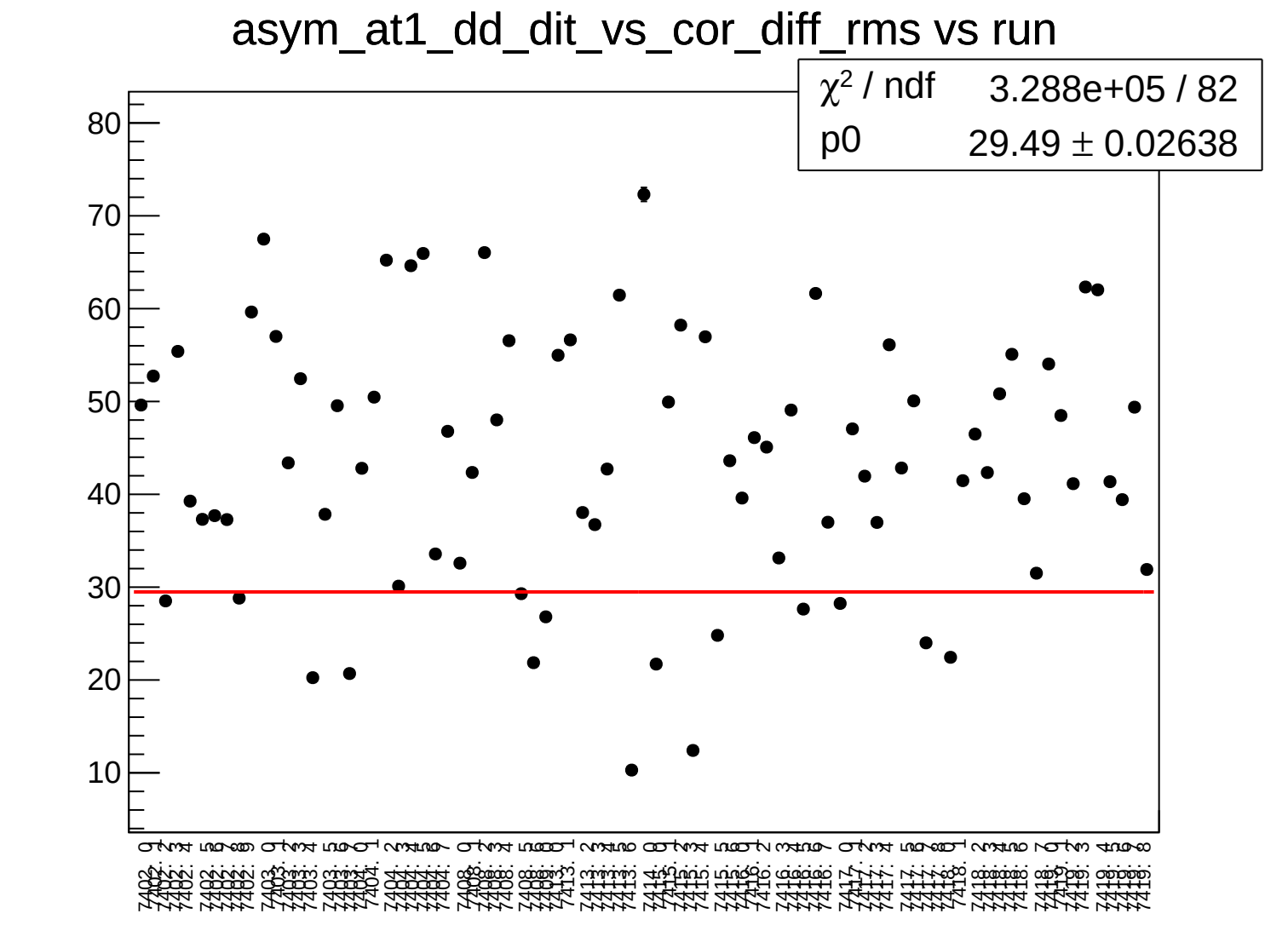

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.25 / 82
p0 3.311e−15 ± 1.959e−14
pull
Entries 83
Mean −47.56
Std Dev 0

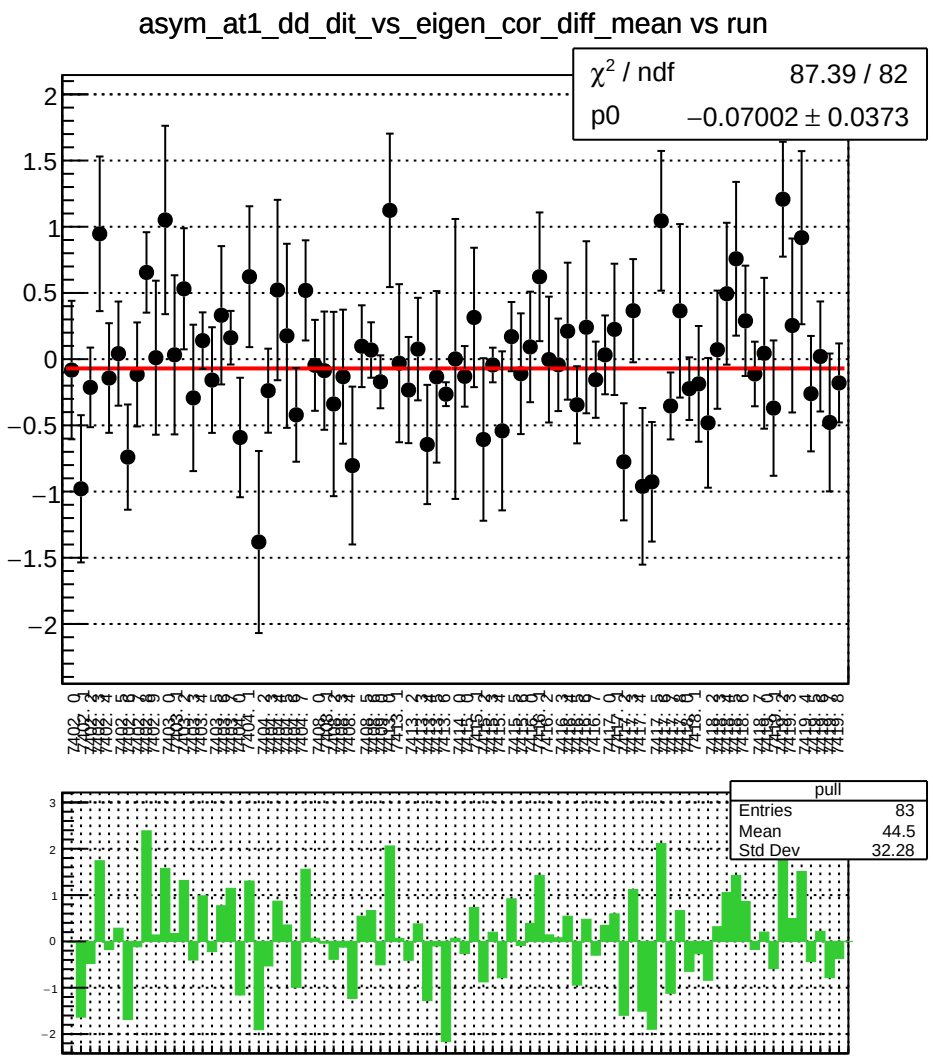

pull1D
Entries 83
Mean 0.01339
Std Dev 0.9457

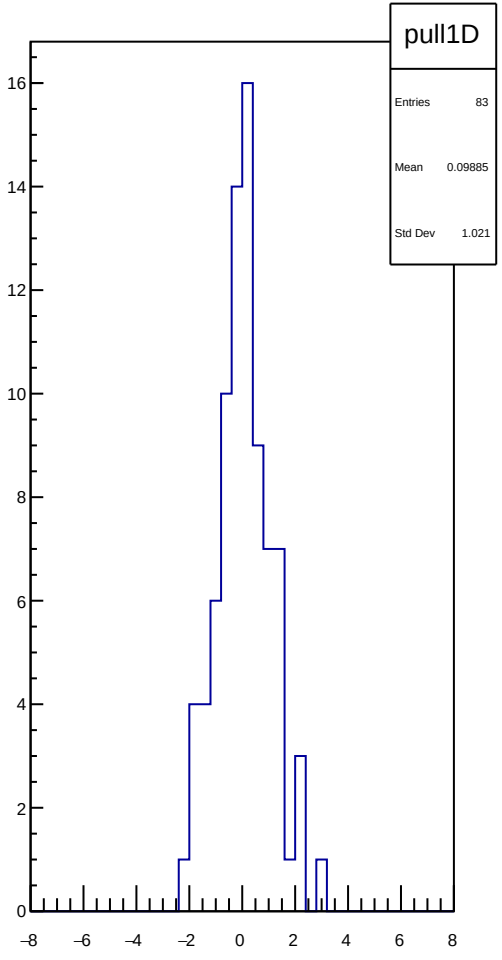

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.313e+06 / 82
p0 7.134e−12 ± 1.385e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

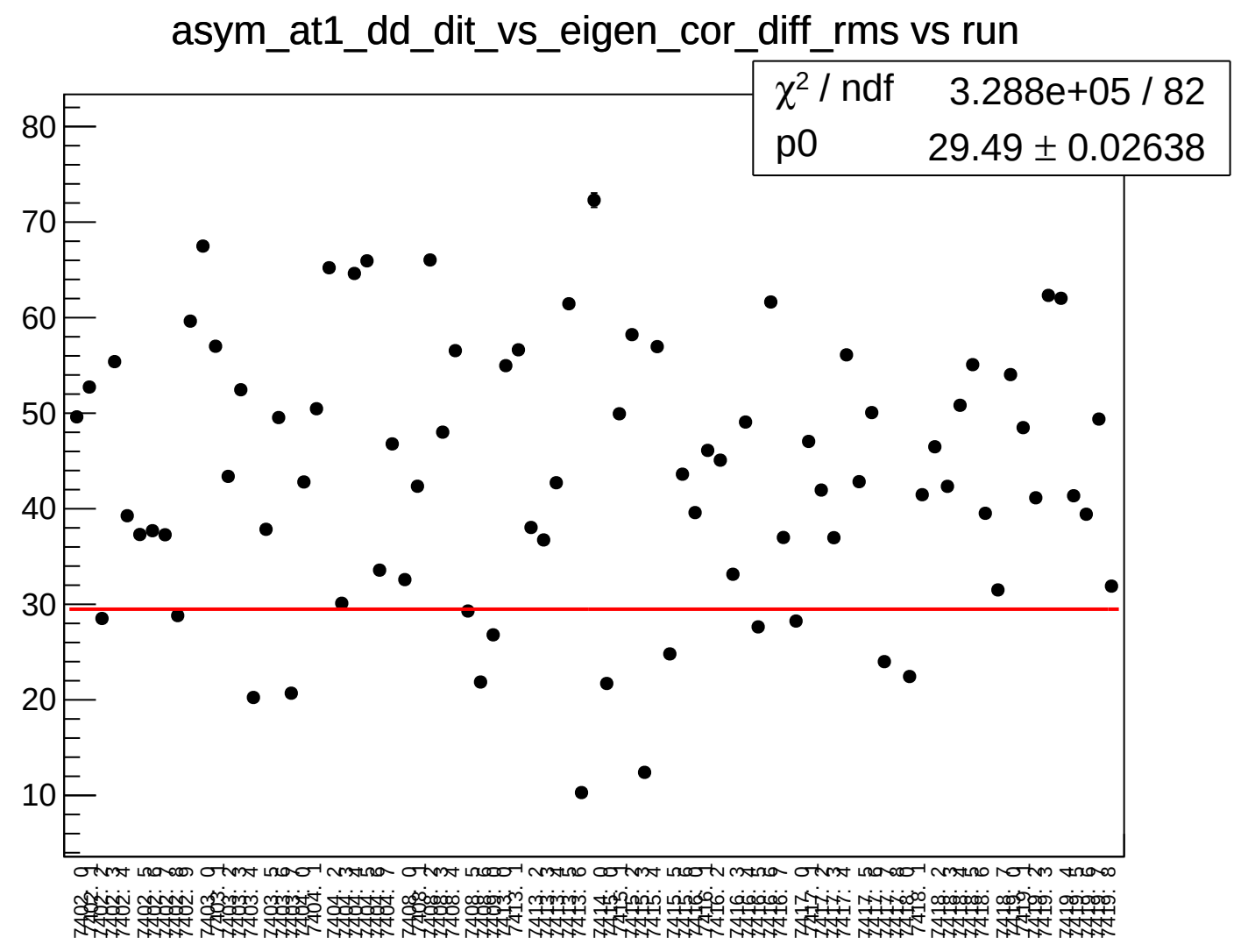

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 87.39 / 82
p0 −0.07002 ± 0.0373
pull
Entries 83
Mean 44.5
Std Dev 32.28

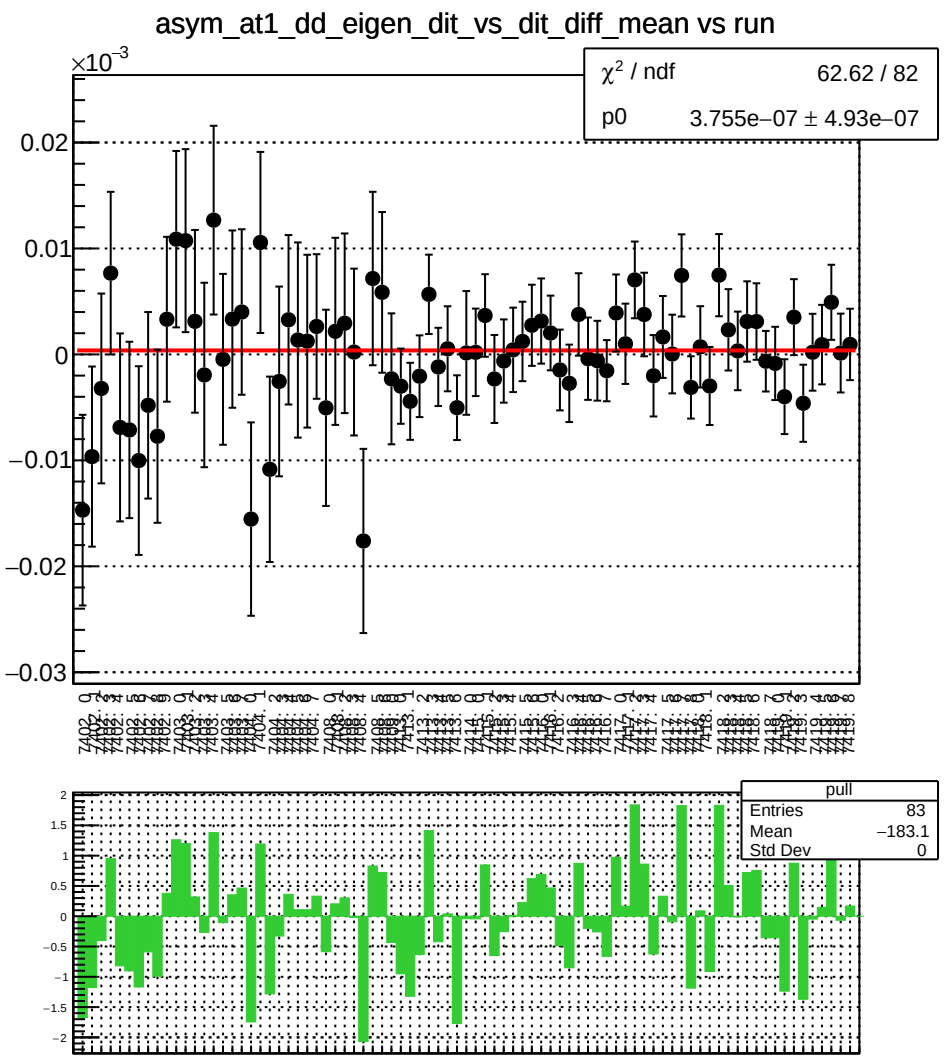

pull1D
Entries 83
Mean 0.09885
Std Dev 1.021

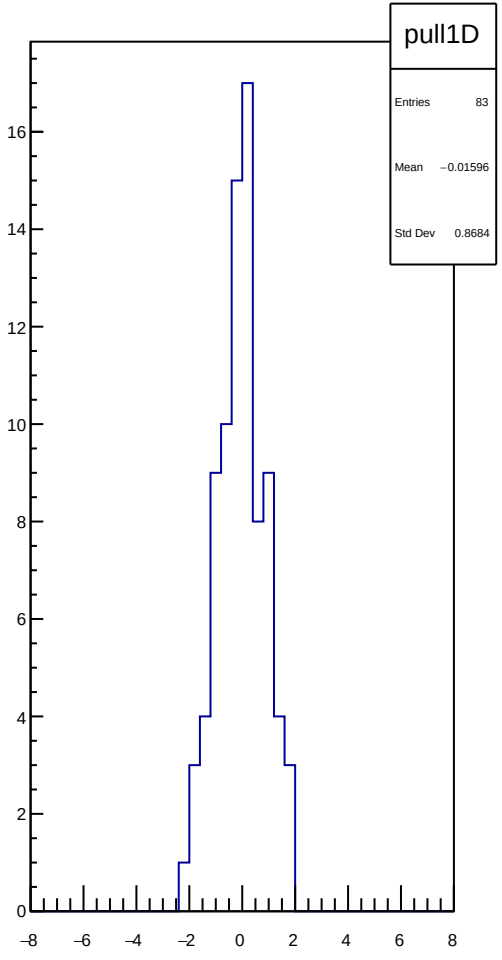

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.288e+05 / 82
p0 29.49 ± 0.02638
80
70
60
50
40
30
20
10

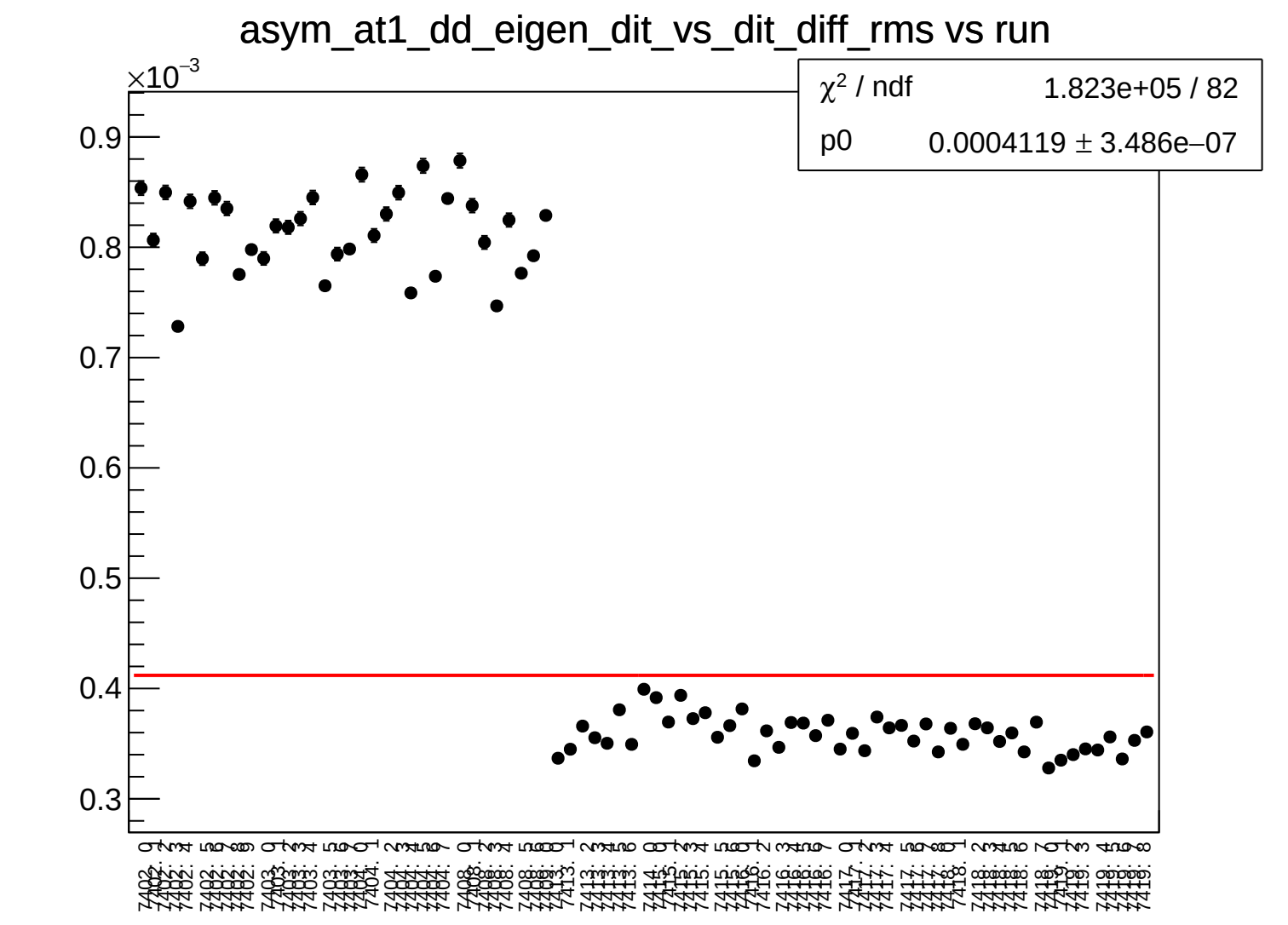

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.39 / 82
p0 −0.07002 ± 0.0373
pull
Entries 83
Mean 44.5
Std Dev 32.28

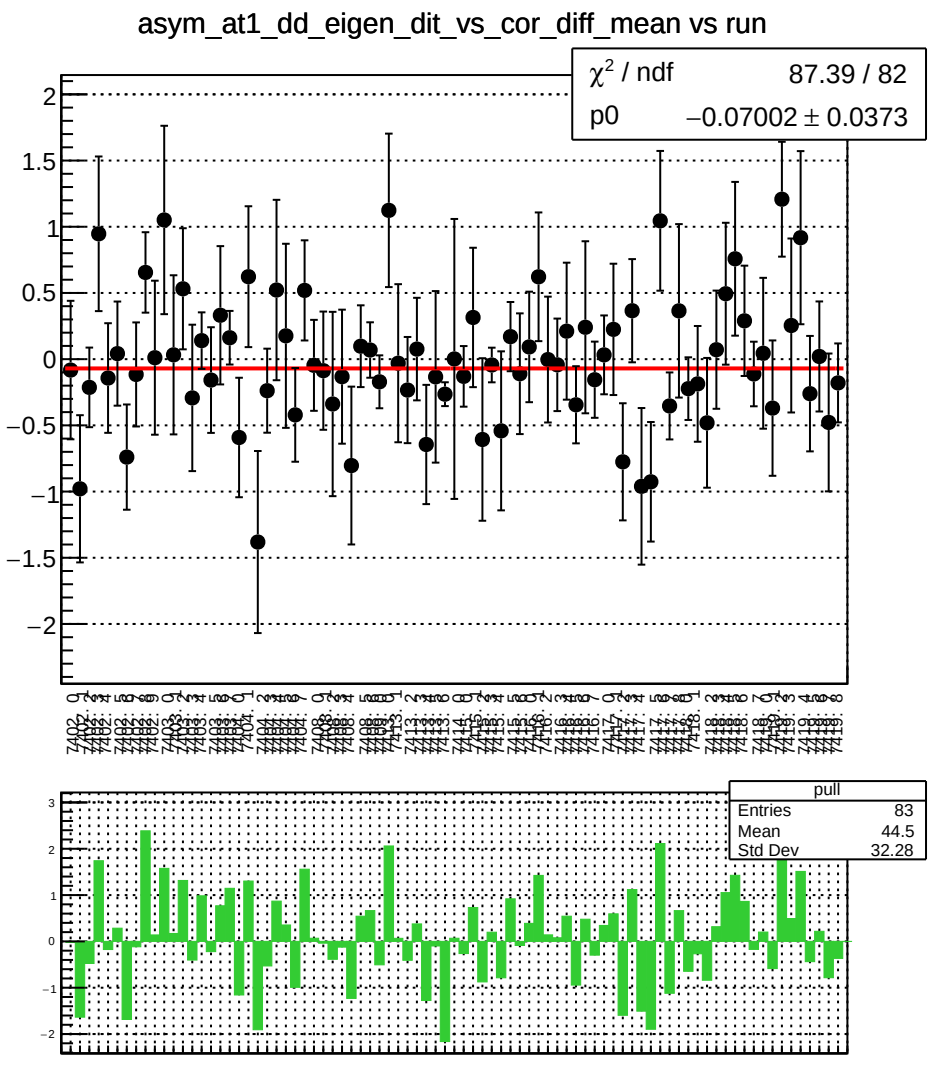

pull1D
Entries 83
Mean 0.09885
Std Dev 1.021

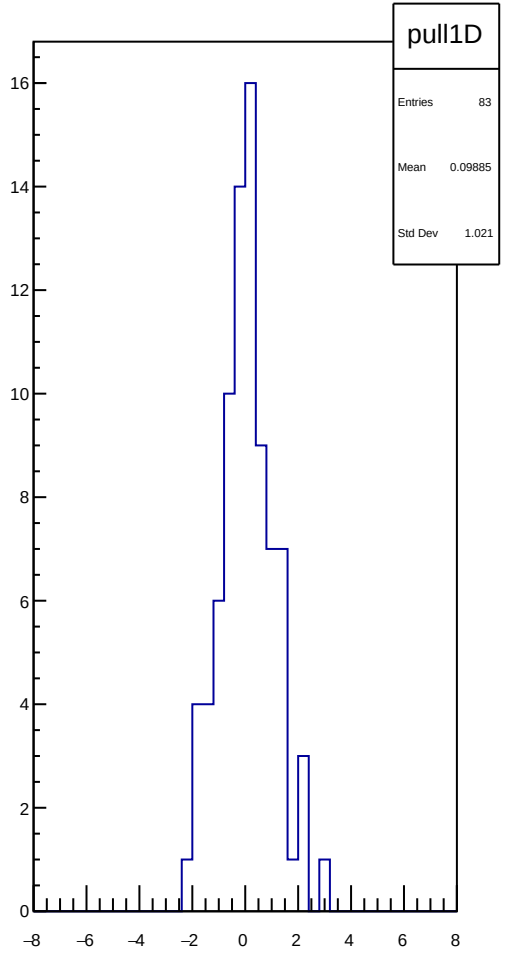

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.288e+05 / 82
p0 29.49 ± 0.02638
80
70
60
50
40
30
20
10

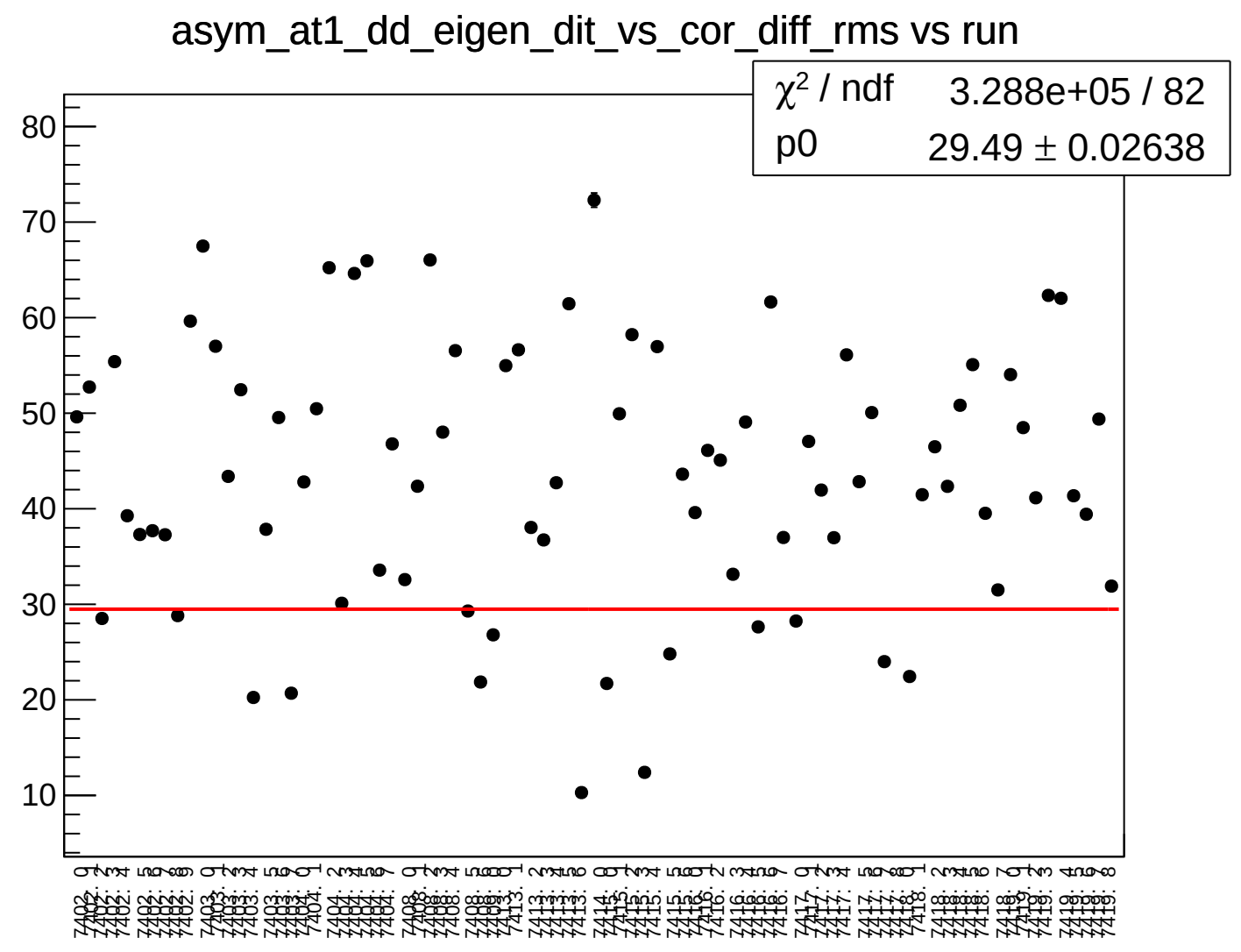

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.62 / 82
p0 3.755e−07 ± 4.93e−07
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean −183.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

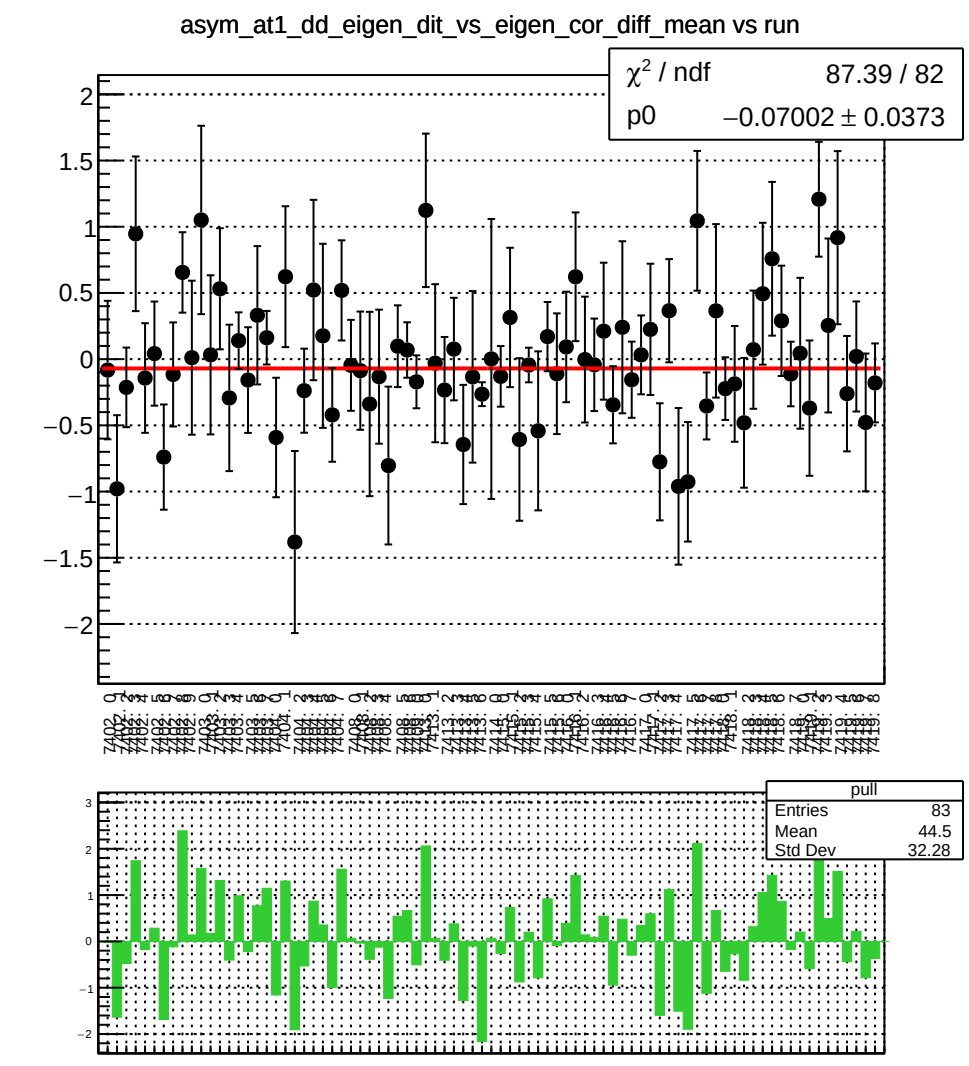

pull1D
Entries 83
Mean −0.01596
Std Dev 0.8684
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

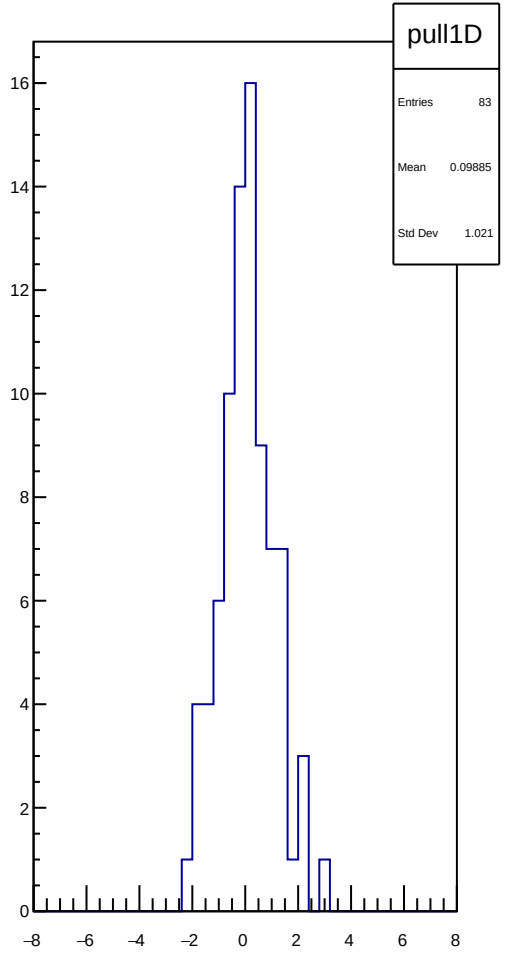

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.823e+05 / 82
p0 0.0004119 ± 3.486e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3

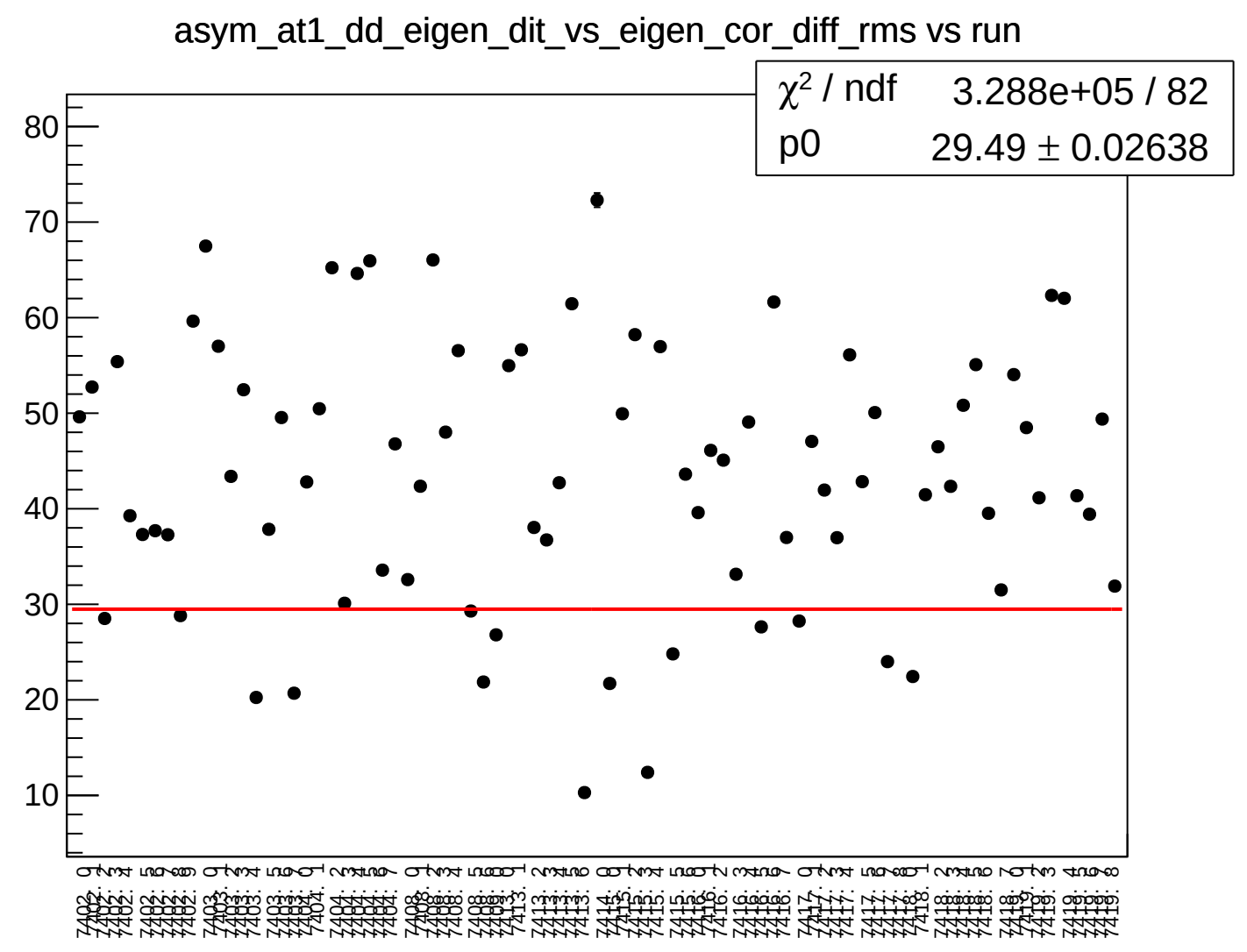

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.39 / 82
p0 −0.07002 ± 0.0373
pull
Entries 83
Mean 44.5
Std Dev 32.28

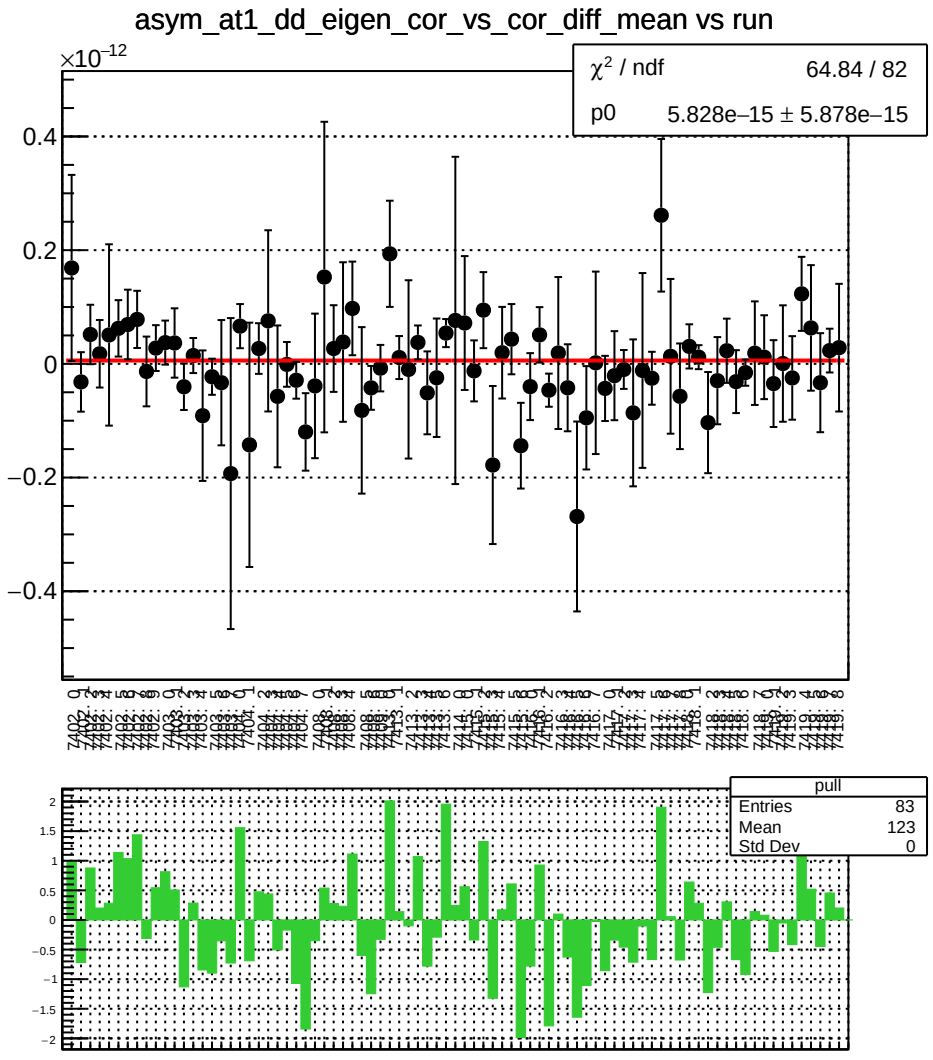

pull1D
Entries 83
Mean 0.09885
Std Dev 1.021

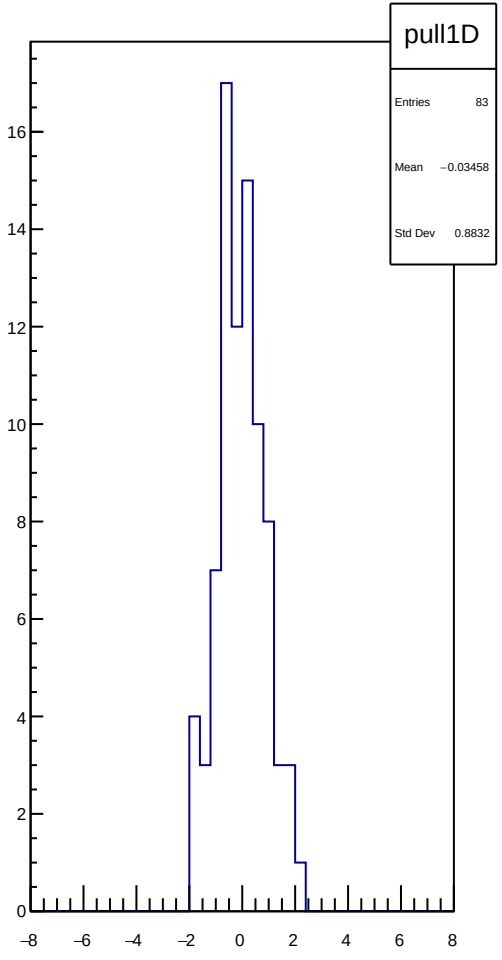

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.288e+05 / 82
p0 29.49 ± 0.02638
80
70
60
50
40
30
20
10

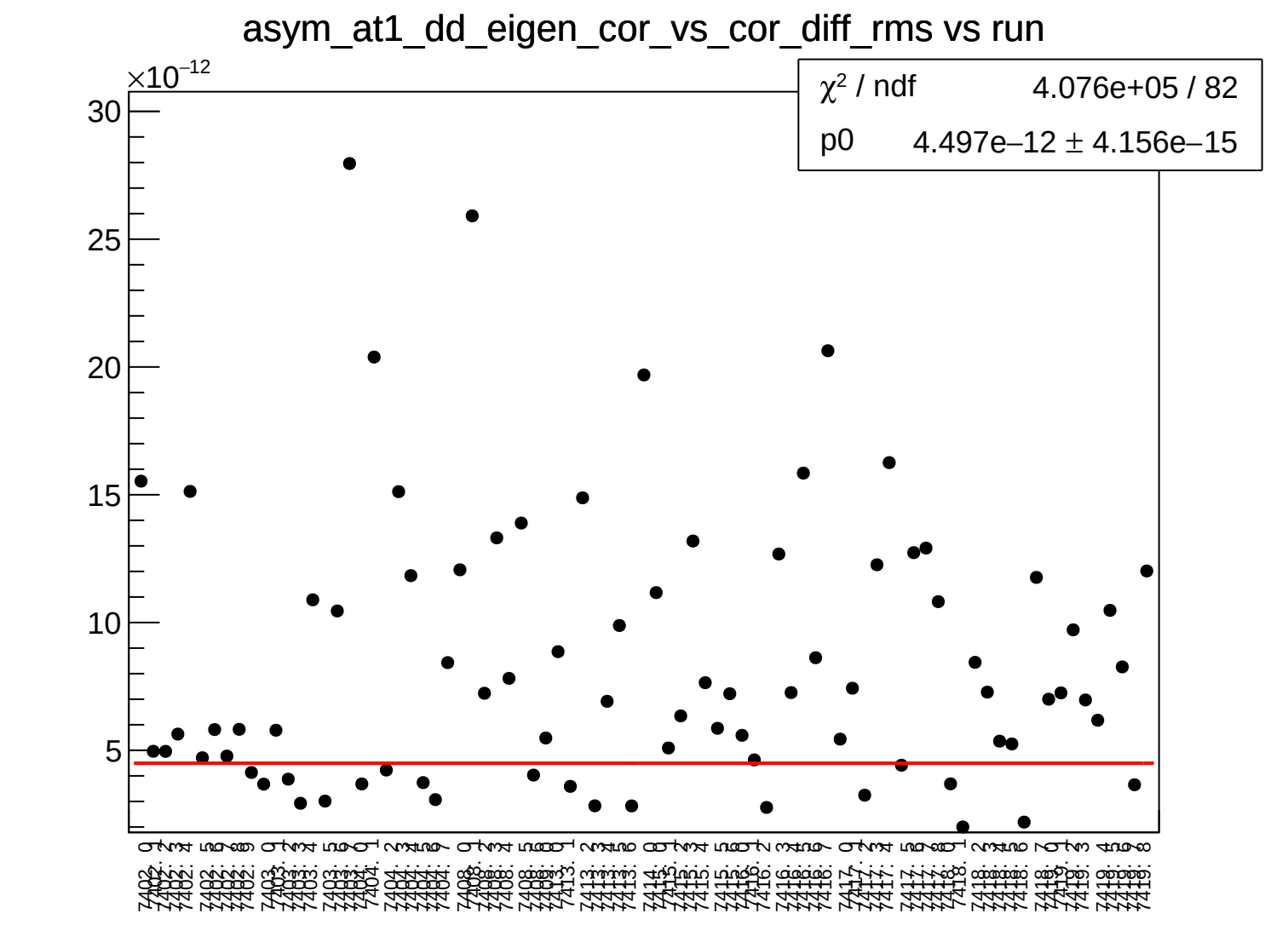

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.39 / 82
p0 −0.07002 ± 0.0373
pull
Entries 83
Mean 44.5
Std Dev 32.28

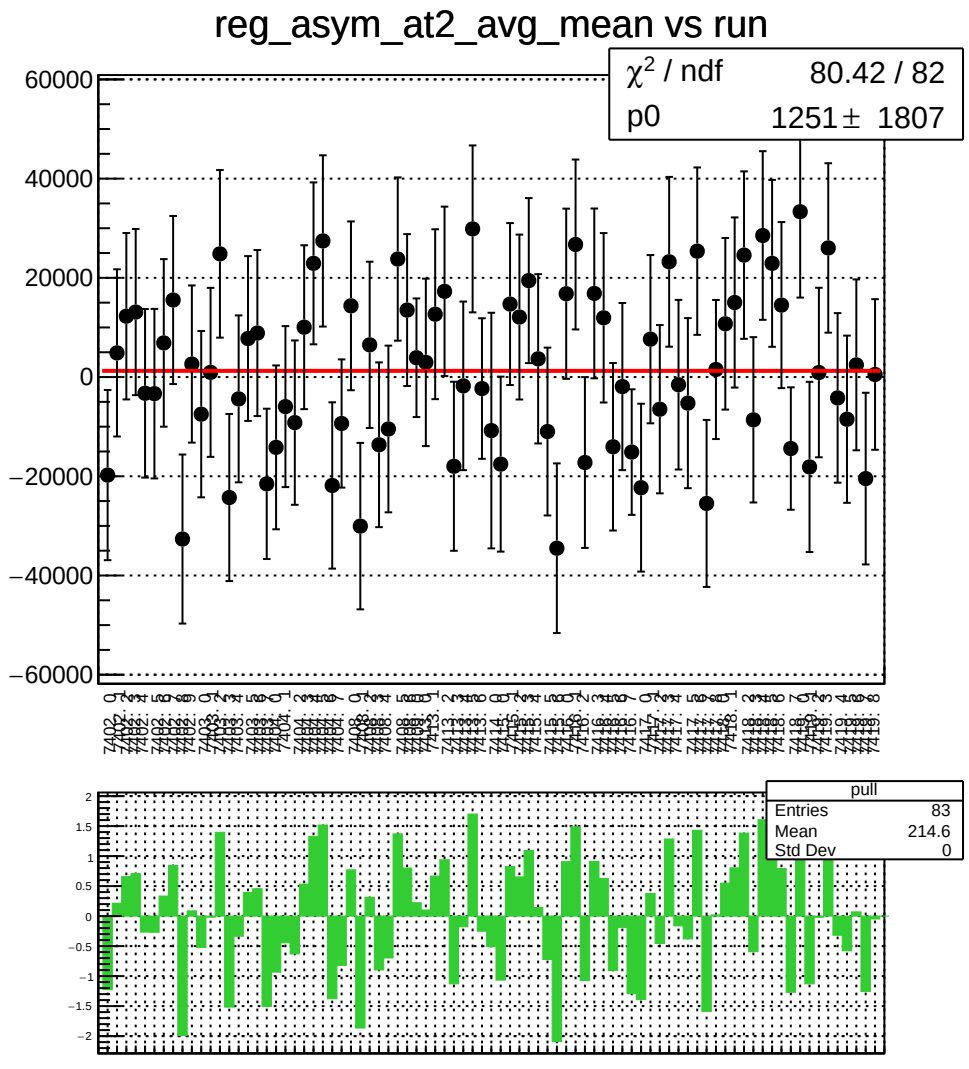

pull1D
Entries 83
Mean 0.09885
Std Dev 1.021

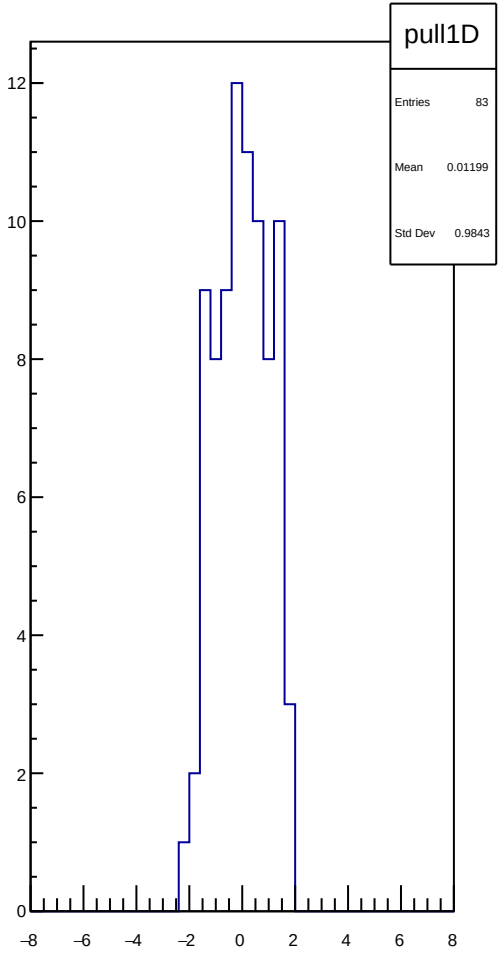

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.288e+05 / 82
p0 29.49 ± 0.02638
80
70
60
50
40
30
20
10

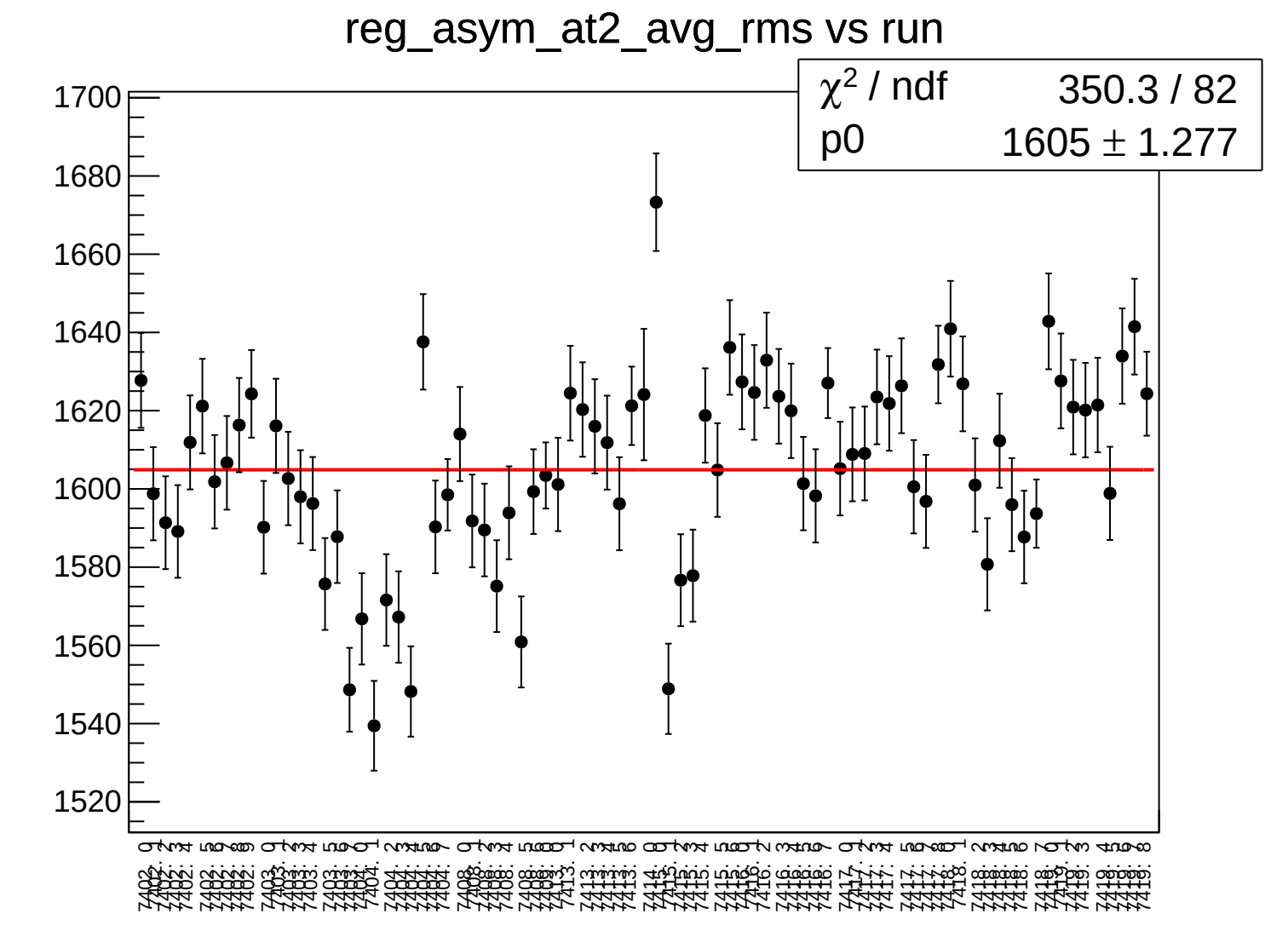

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.84 / 82
p0 5.828e−15 ± 5.878e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 83
Mean 123
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

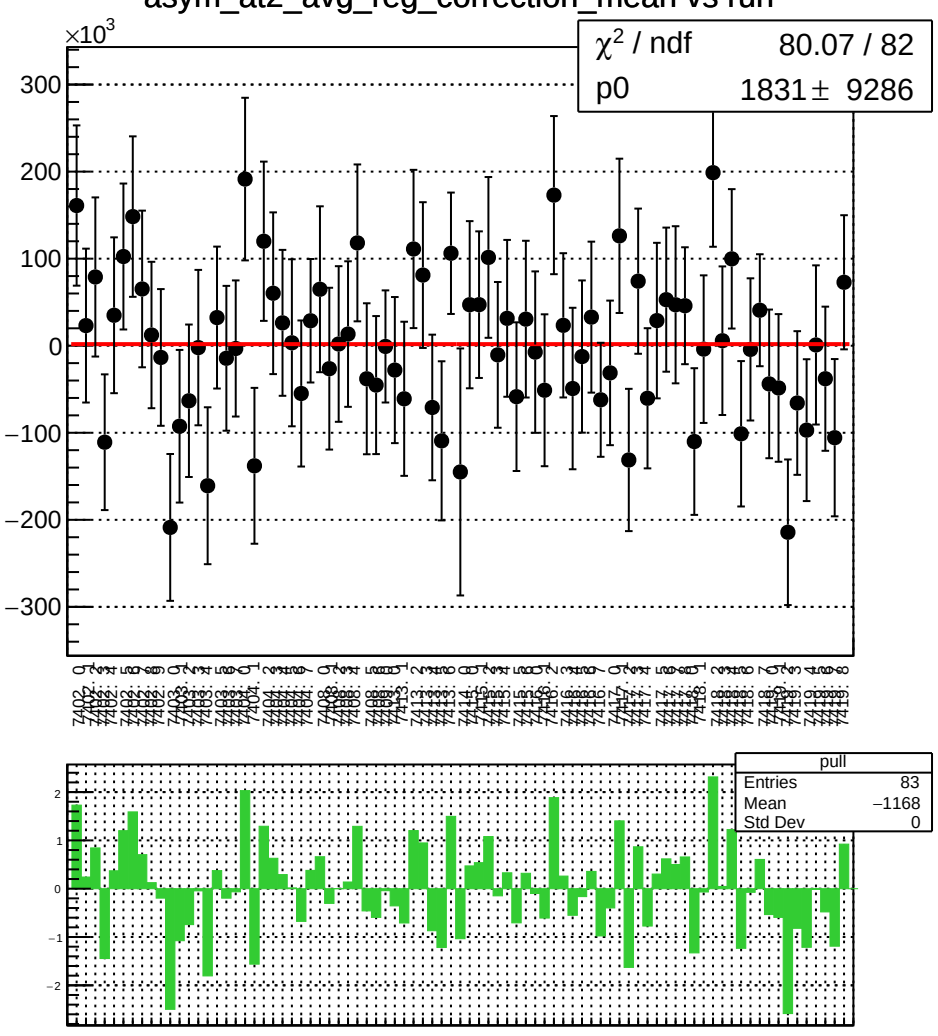

pull1D
Entries 83
Mean −0.03458
Std Dev 0.8832
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

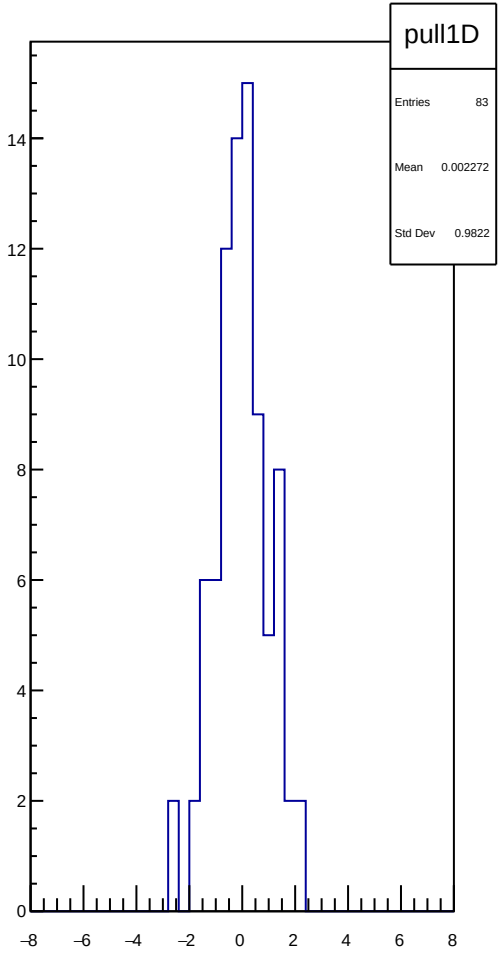

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.076e+05 / 82
p0 4.497e−12 ± 4.156e−15
30
25
20
15
10
5

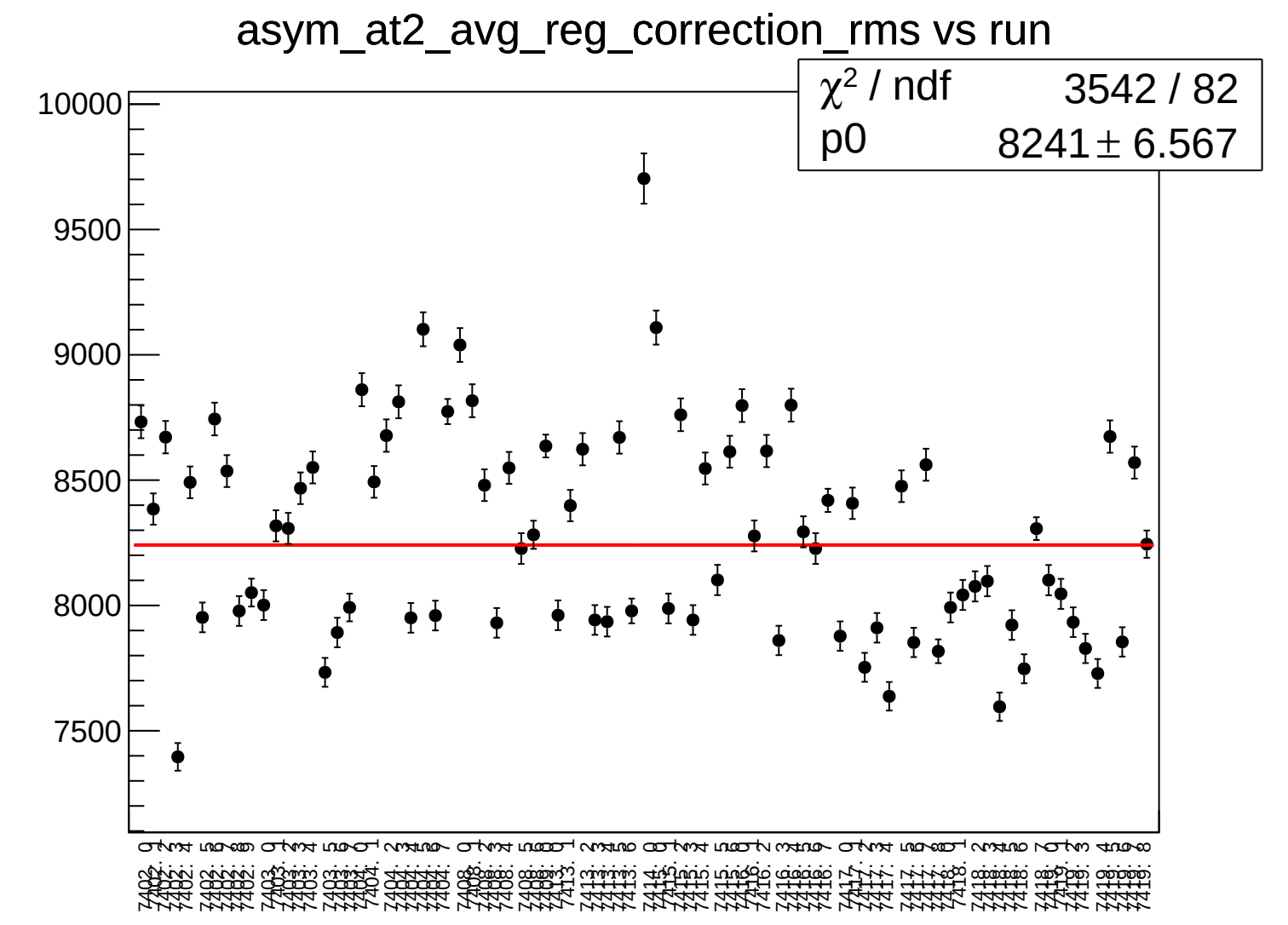

reg_asym_at2_avg_mean vs run
χ² / ndf 80.42 / 82
p0 1251 ± 1807
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 214.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

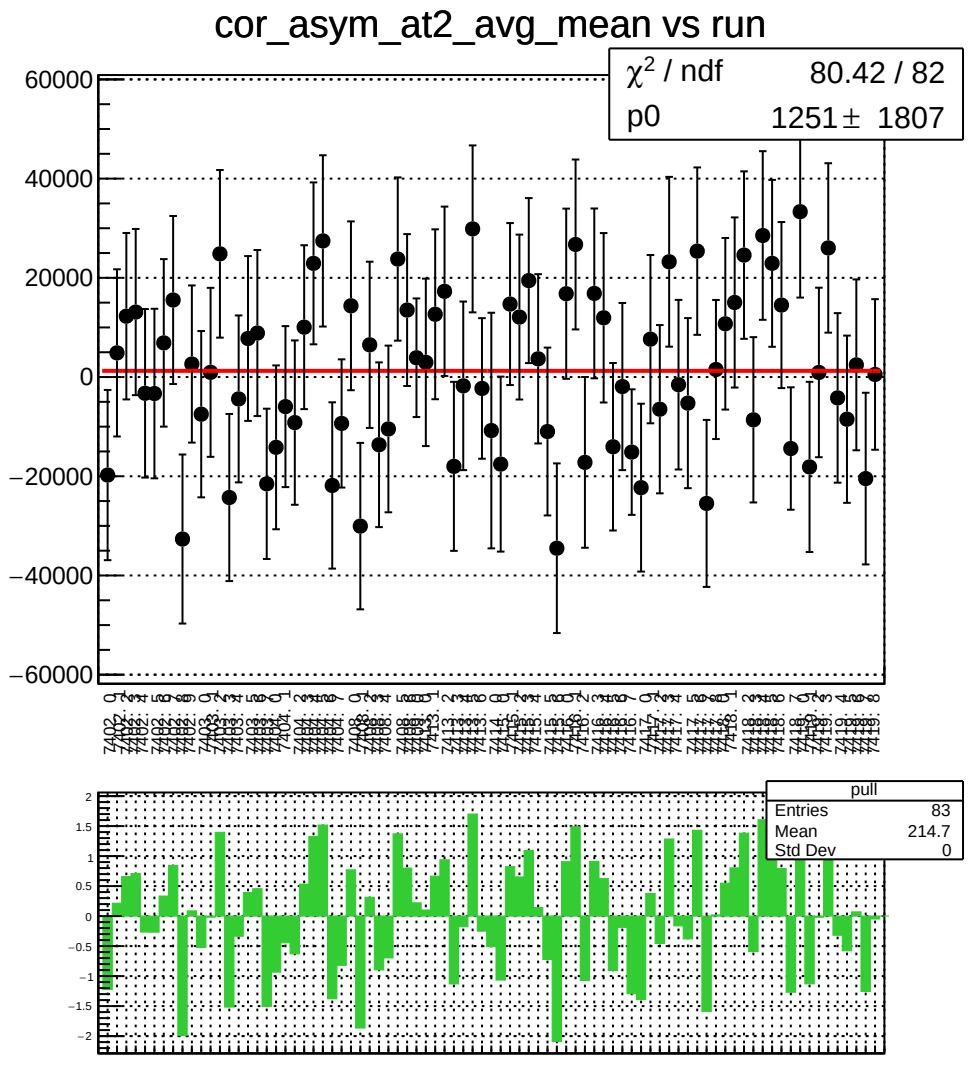

pull1D
Entries 83
Mean 0.01199
Std Dev 0.9843
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

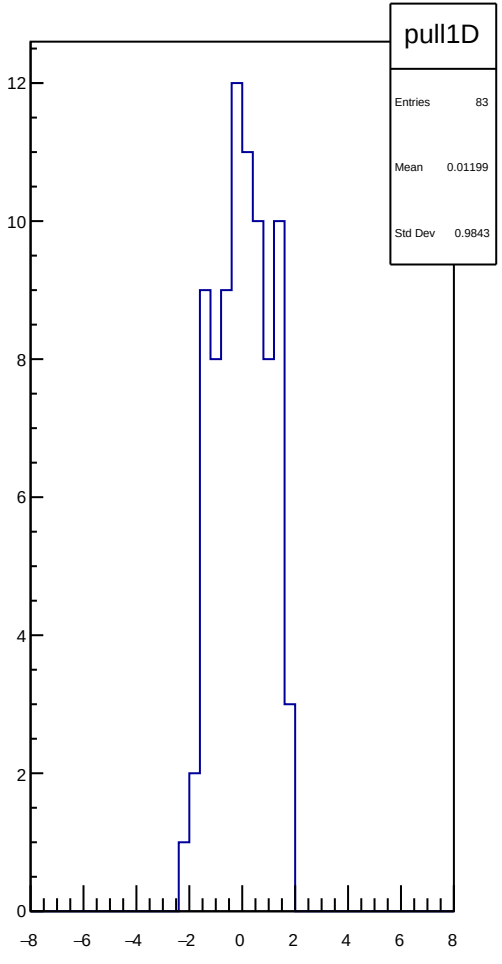

reg_asym_at2_avg_rms vs run
χ² / ndf 350.3 / 82
p0 1605 ± 1.277
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

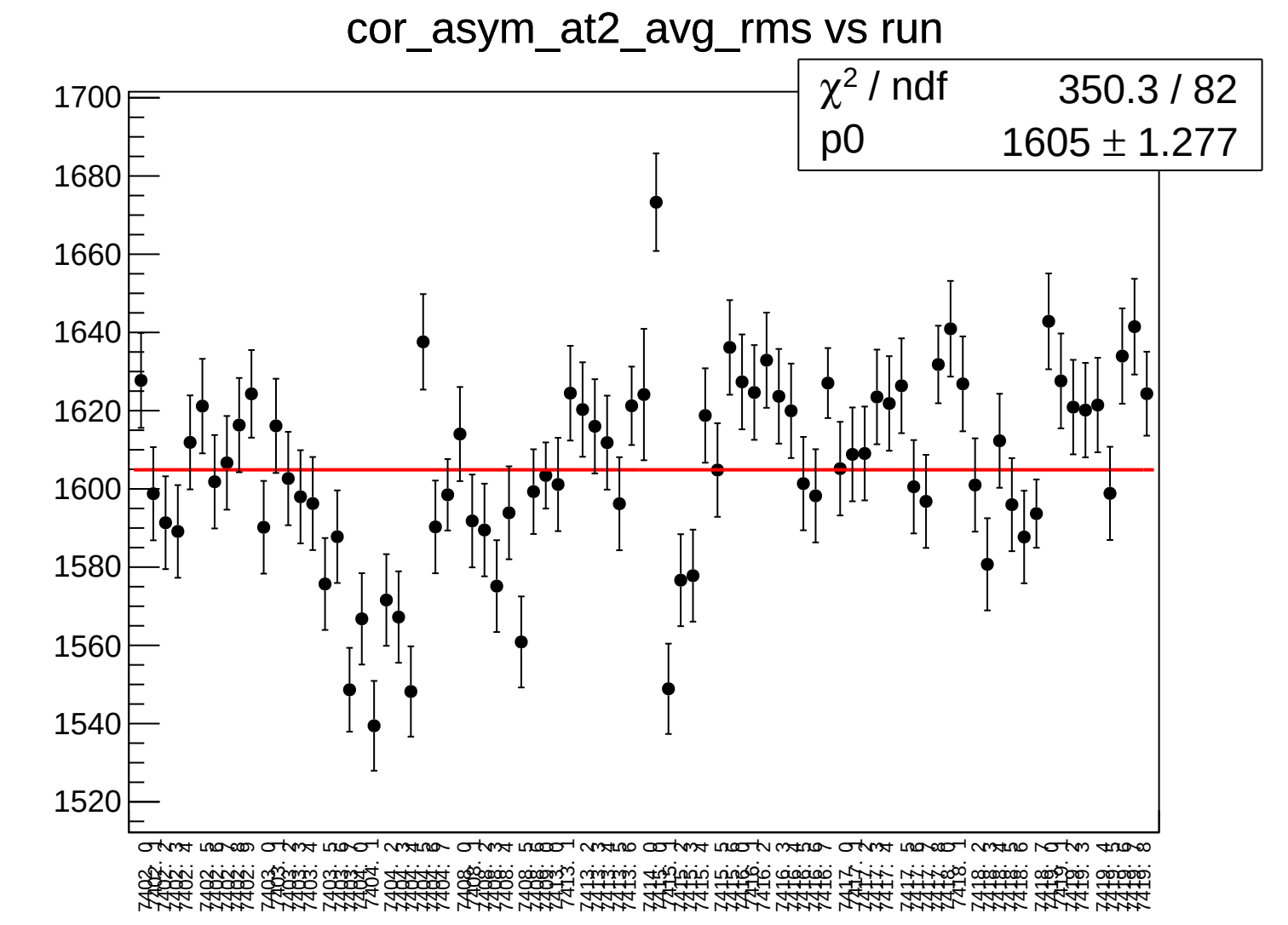

asym_at2_avg_reg_correction_mean vs run
χ² / ndf 80.07 / 82
p0 1831 ± 9286
×10³
pull
Entries 83
Mean −1168
Std Dev 0

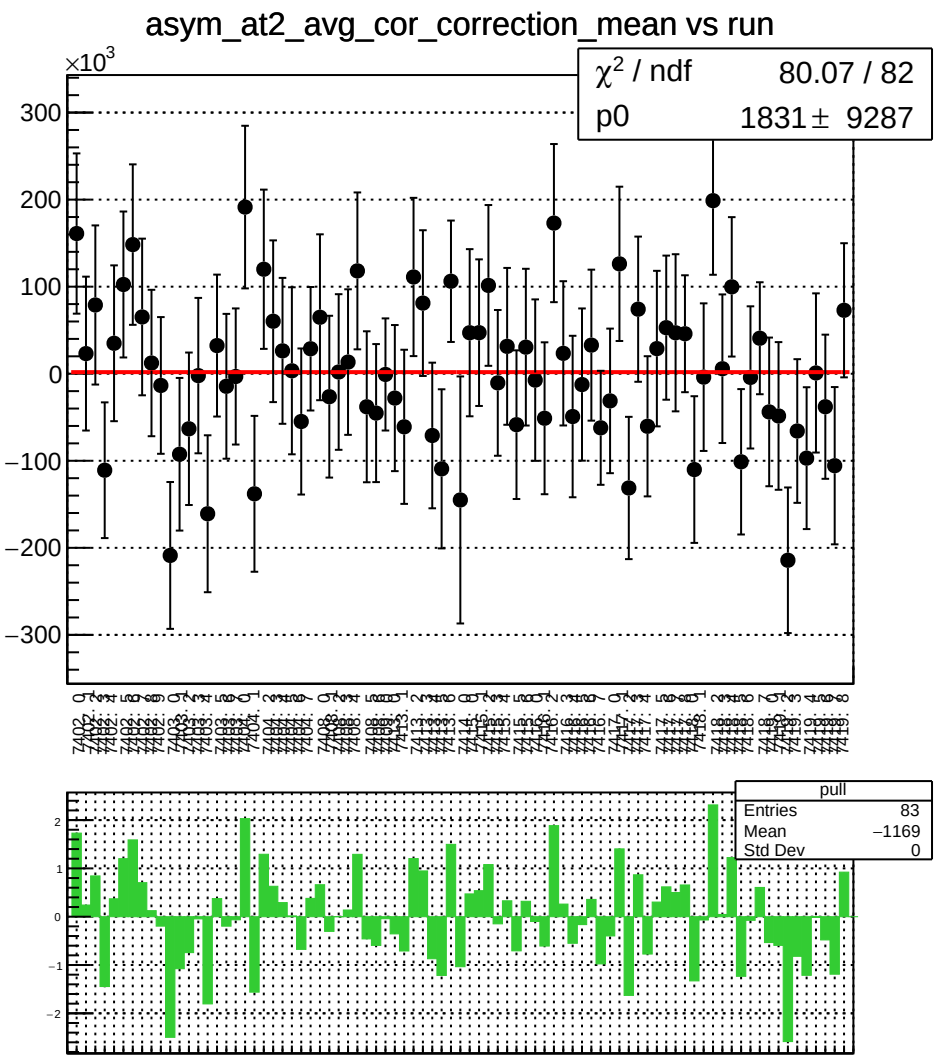

pull1D
Entries 83
Mean 0.002272
Std Dev 0.9822

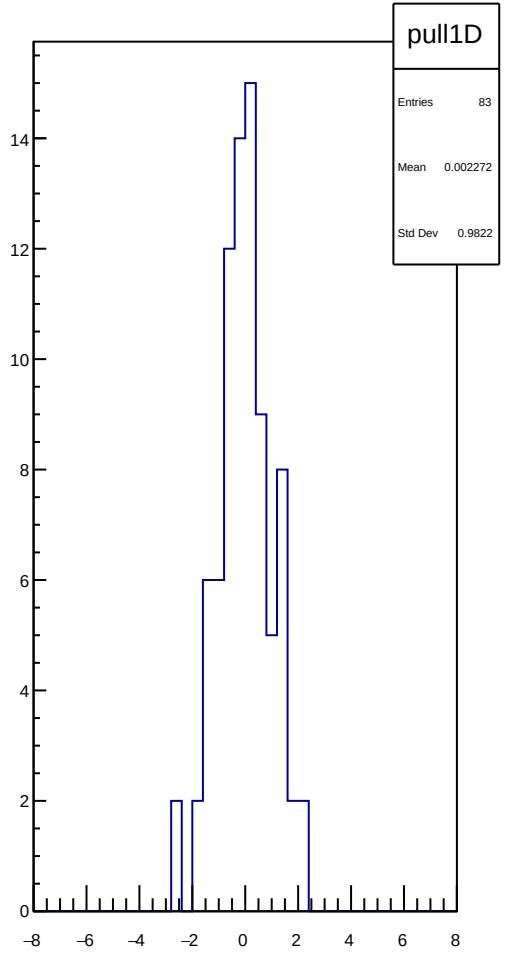

asym_at2_avg_reg_correction_rms vs run
χ^2 / ndf 3542 / 82
p0 8241 ± 6.567
10000
9500
9000
8500
8000
7500

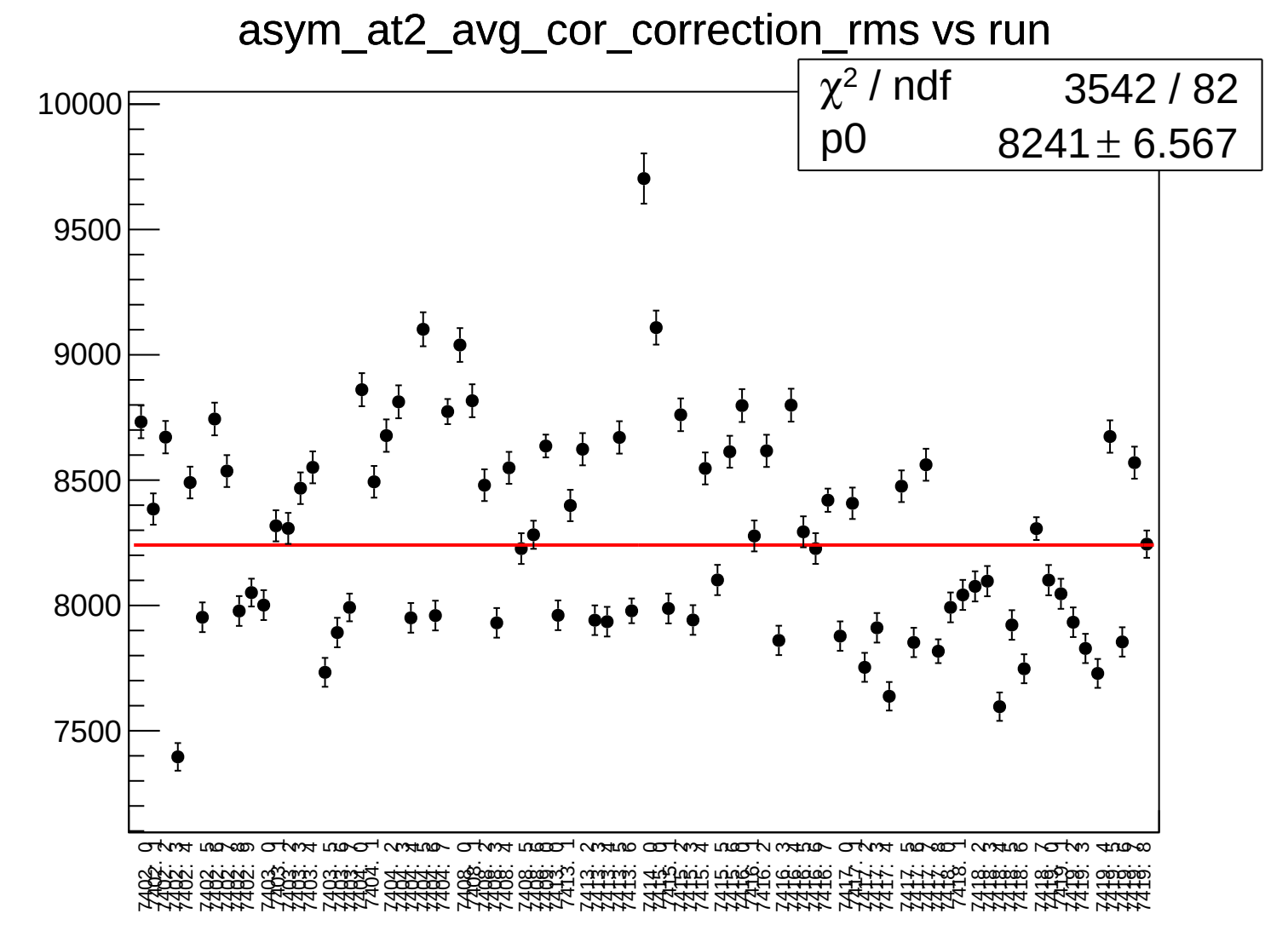

cor_asym_at2_avg_mean vs run
χ² / ndf 80.42 / 82
p0 1251 ± 1807
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 214.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

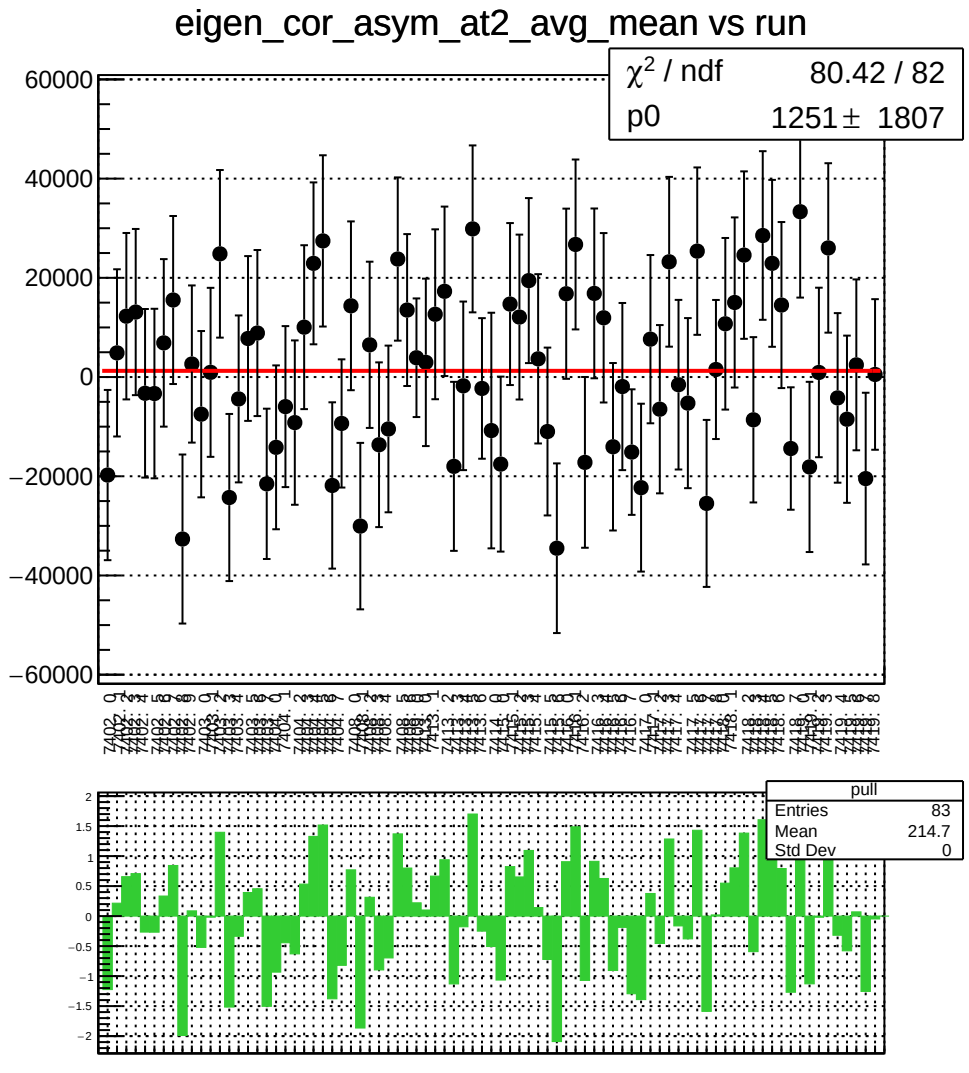

pull1D
Entries 83
Mean 0.01199
Std Dev 0.9843
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

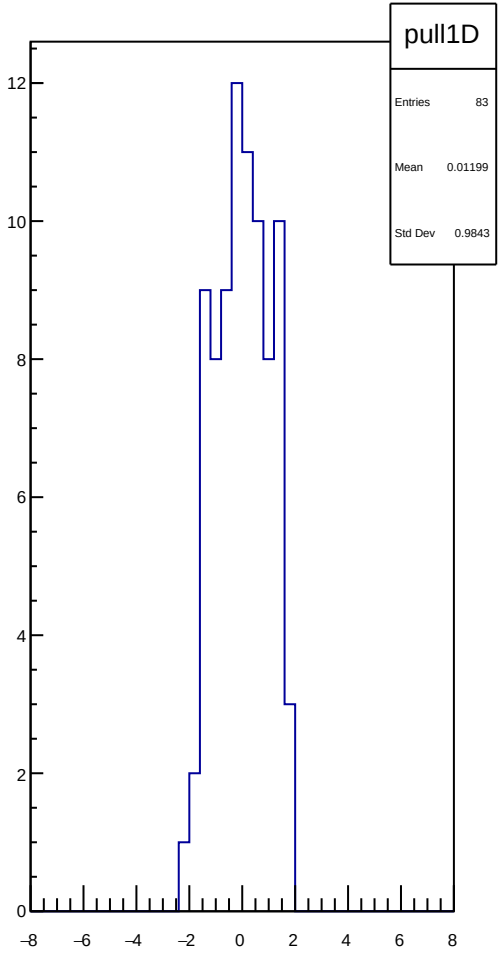

cor_asym_at2_avg_rms vs run
χ² / ndf 350.3 / 82
p0 1605 ± 1.277
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

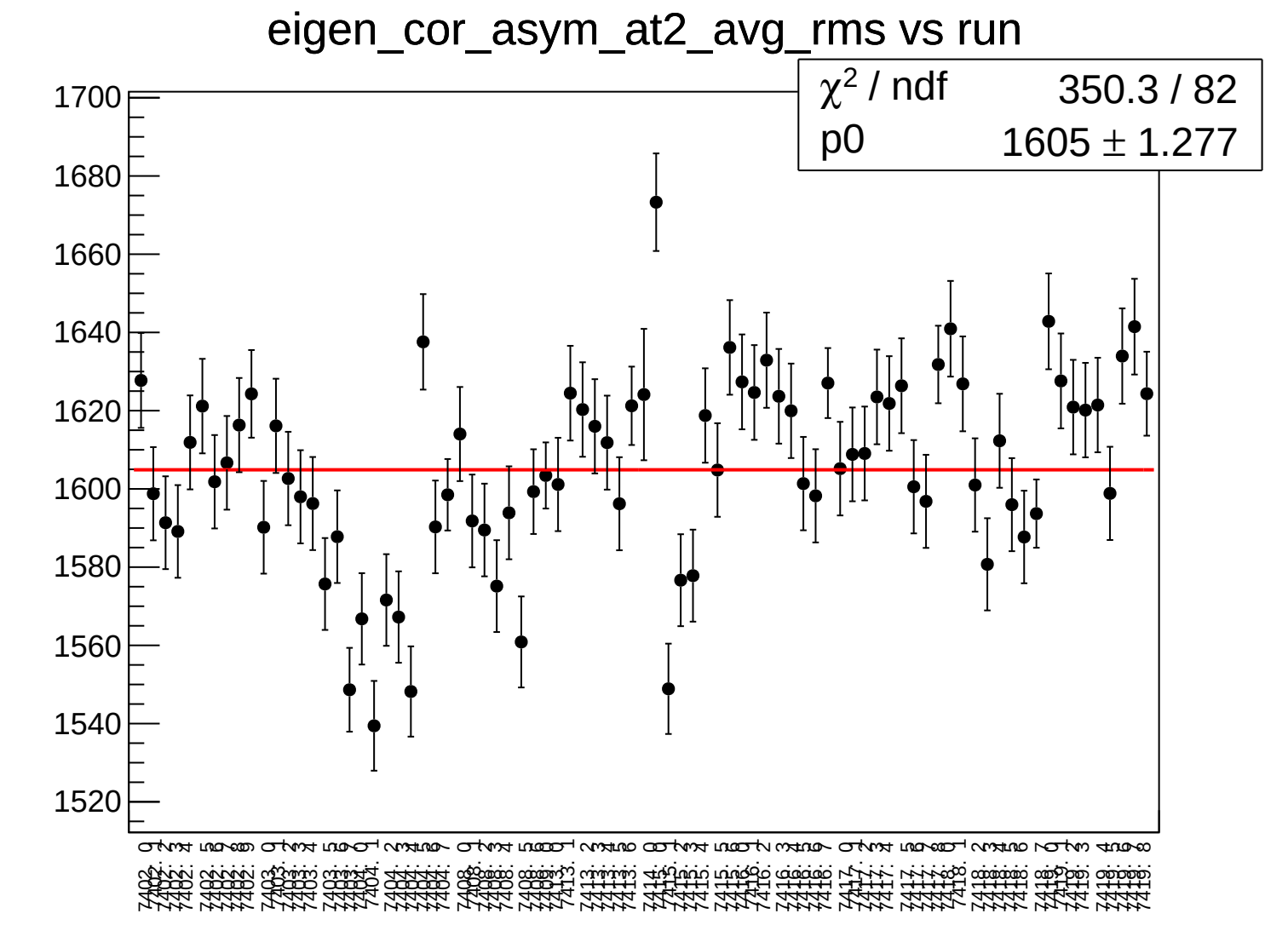

asym_at2_avg_cor_correction_mean vs run
χ² / ndf 80.07 / 82
p0 1831 ± 9287
×10³
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −1169
Std Dev 0
2
1
0
−1
−2

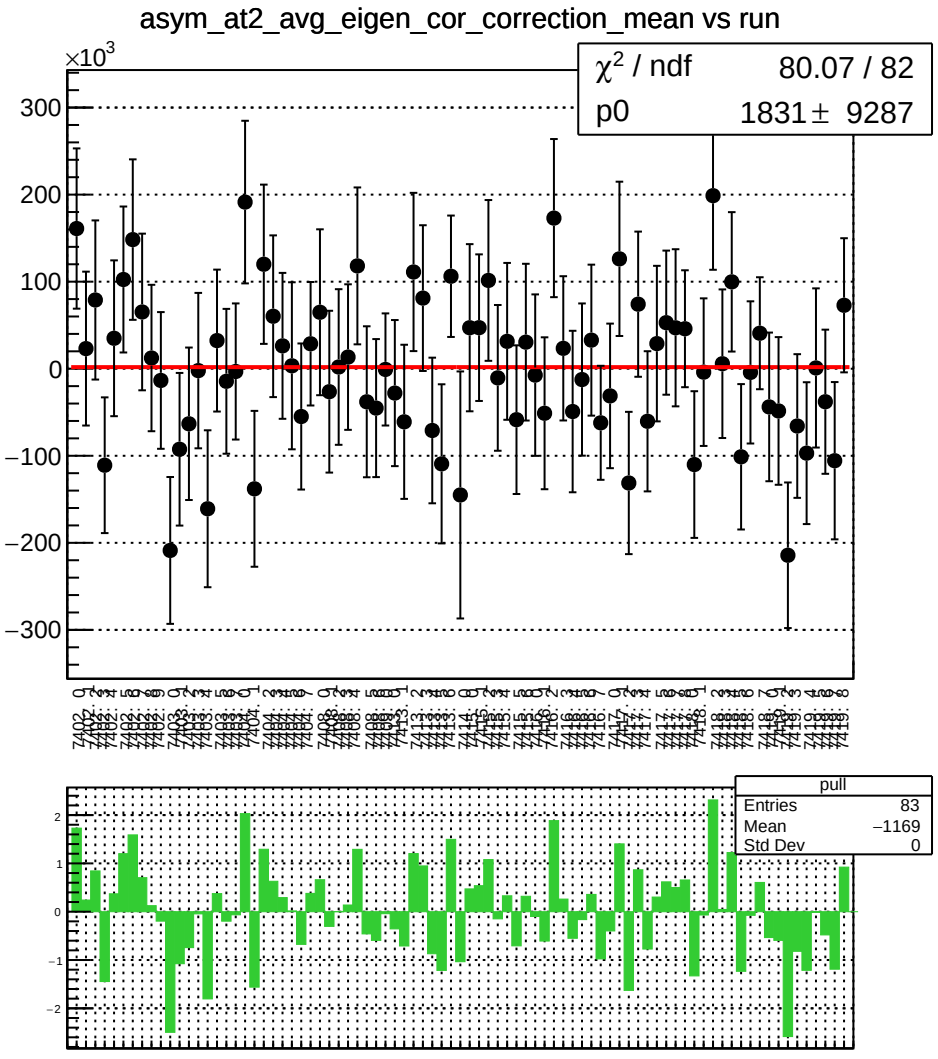

pull1D
Entries 83
Mean 0.002272
Std Dev 0.9822
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

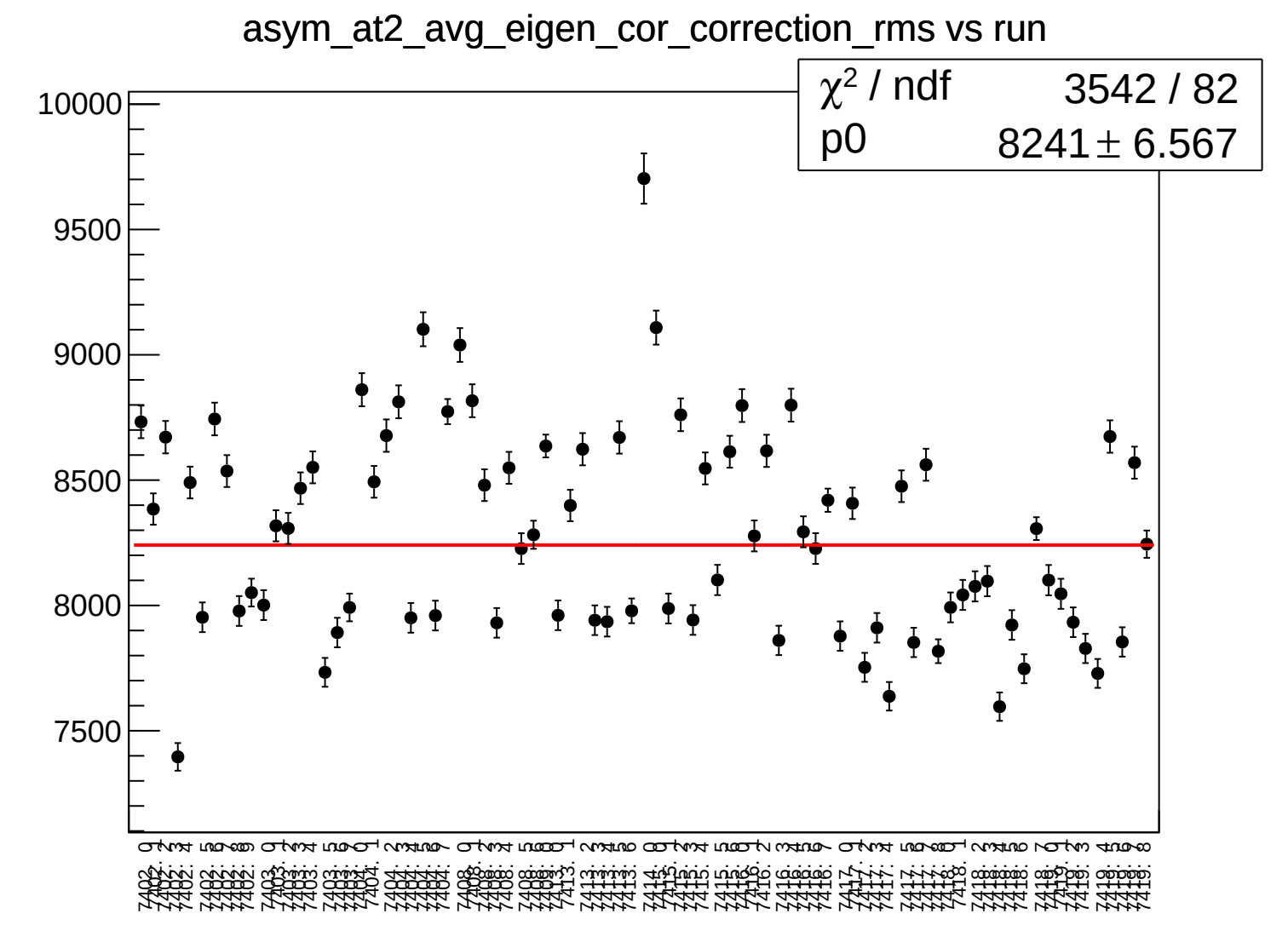

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 3542 / 82
p0 8241 ± 6.567
10000
9500
9000
8500
8000
7500

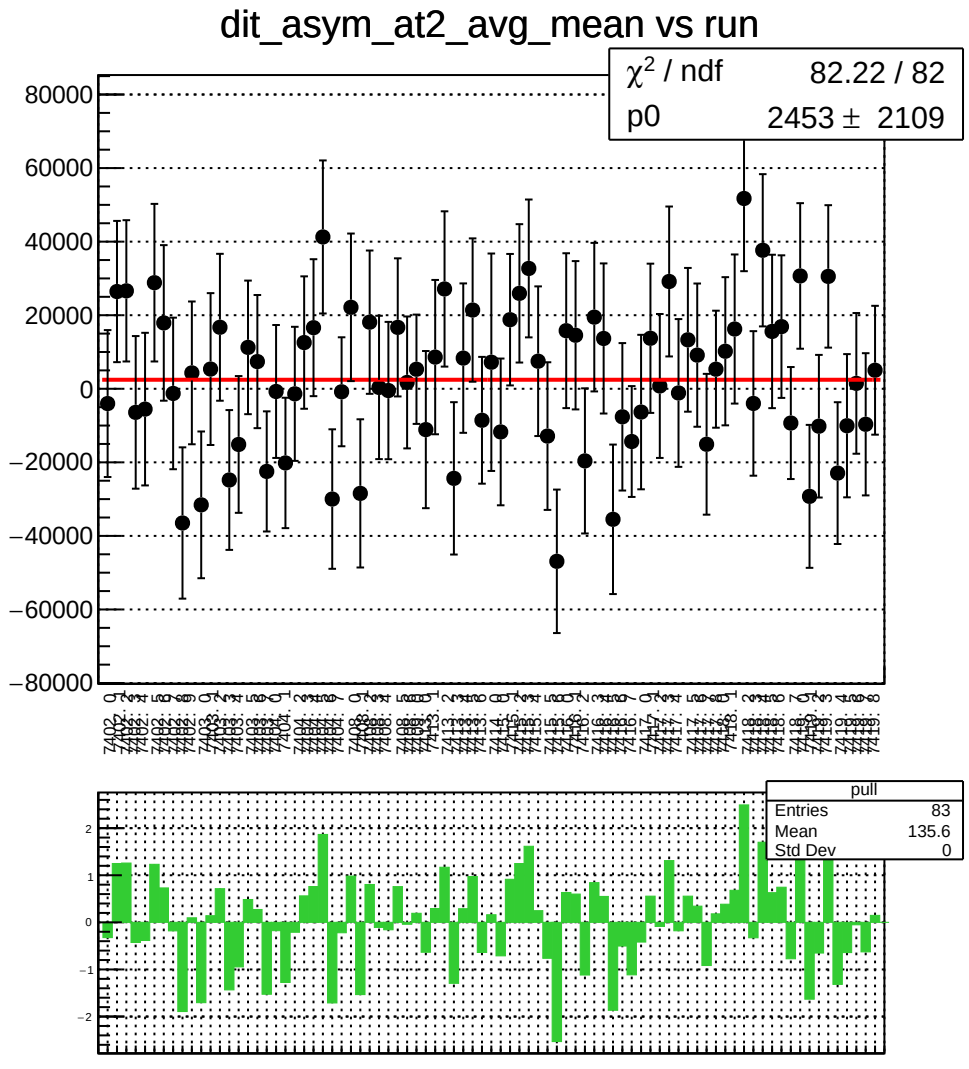

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 80.42 / 82
p0 1251 ± 1807
pull
Entries 83
Mean 214.7
Std Dev 0

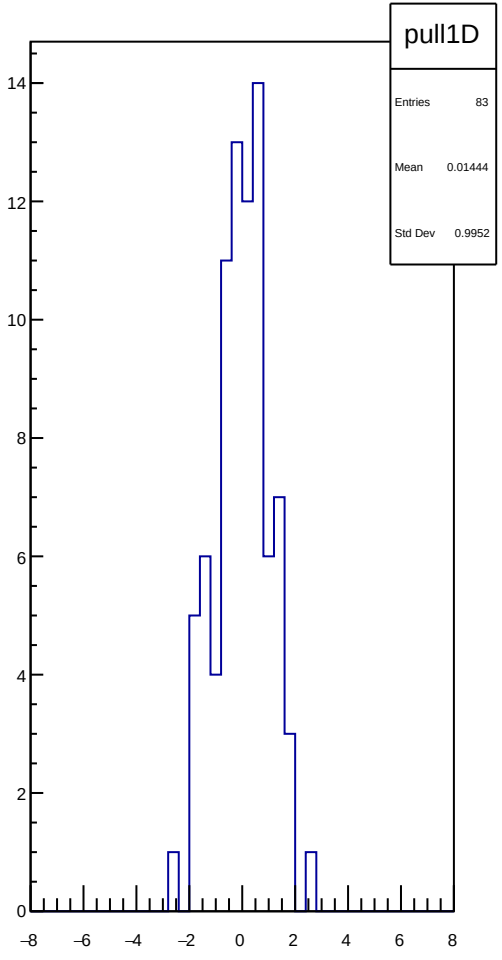

pull1D
Entries 83
Mean 0.01199
Std Dev 0.9843

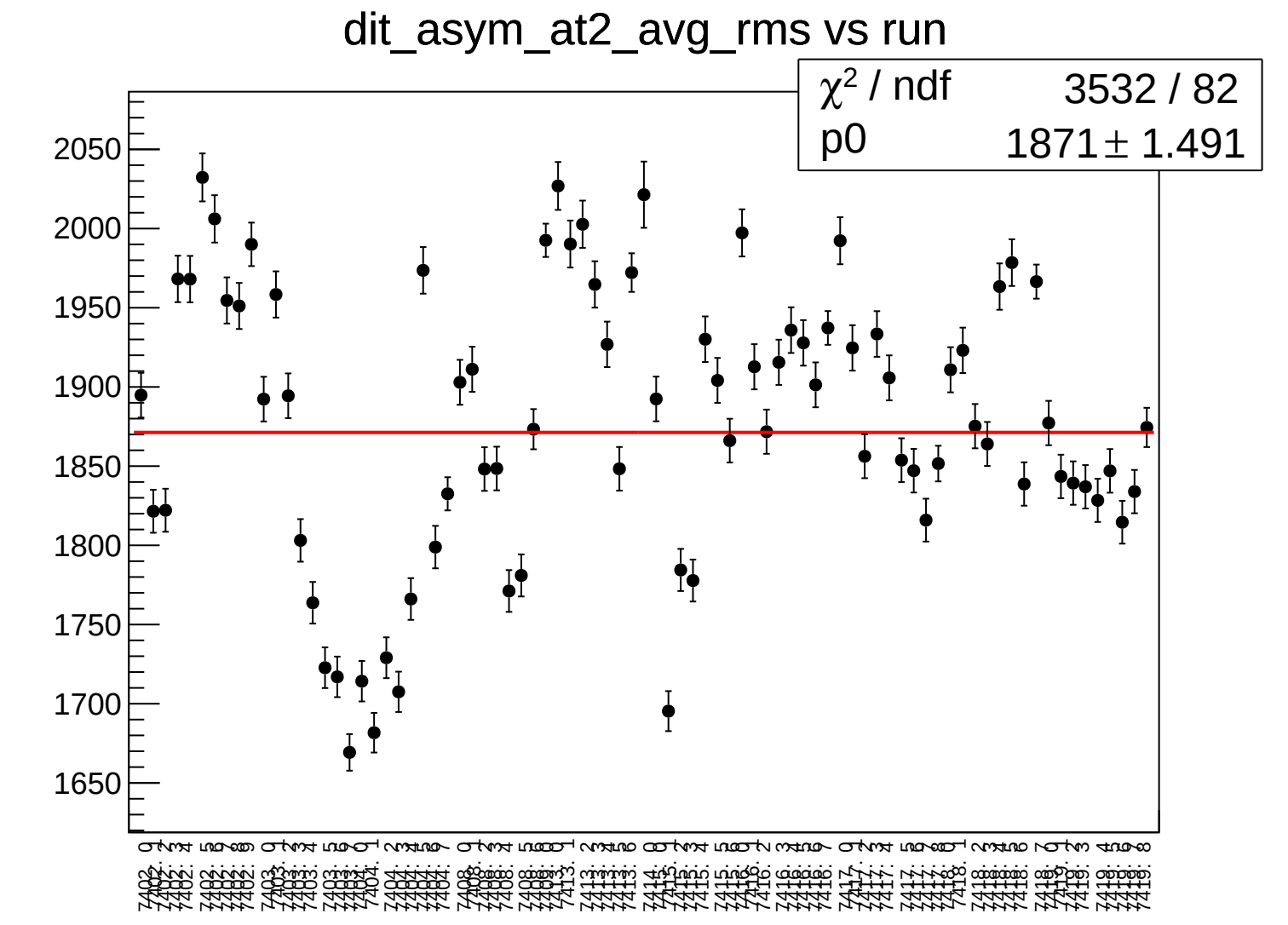

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 350.3 / 82
p0 1605 ± 1.277
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

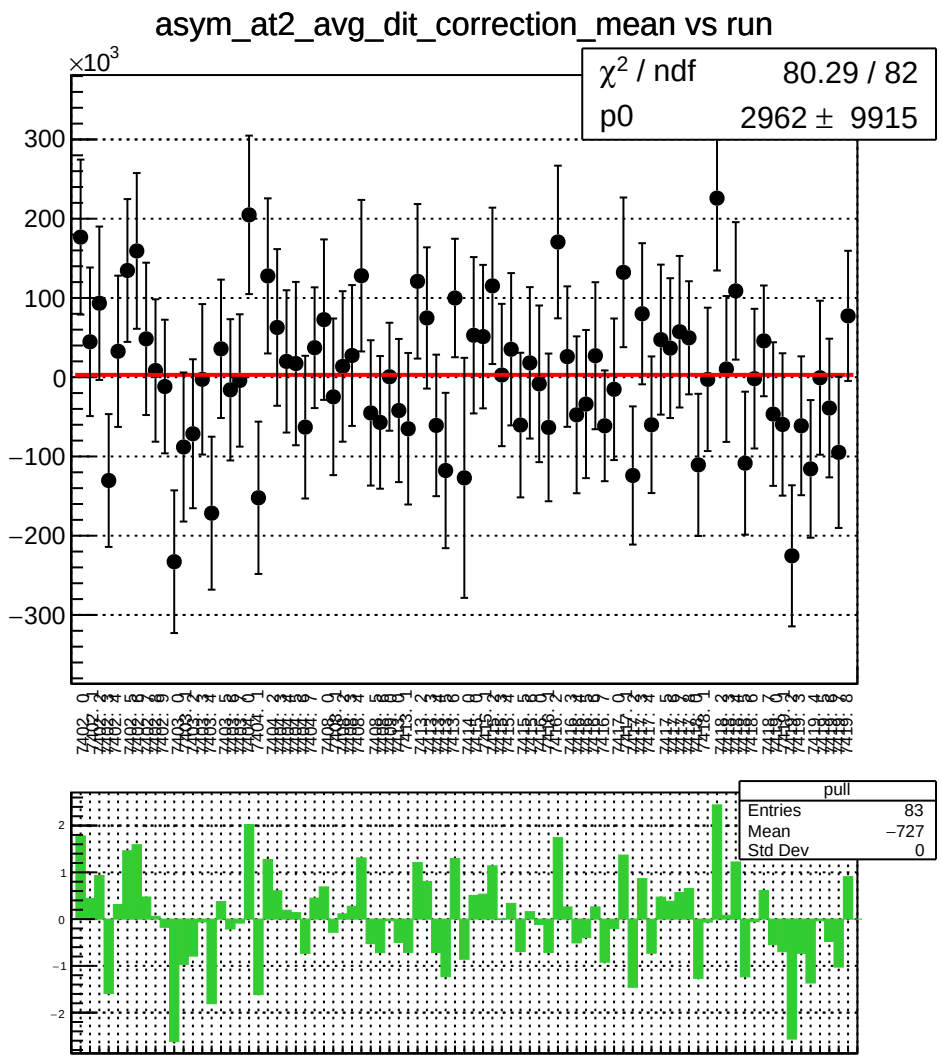

asym_at2_avg_eigen_cor_correction_mean vs run
χ² / ndf 80.07 / 82
p0 1831 ± 9287
pull
Entries 83
Mean −1169
Std Dev 0
pull1D
Entries 83
Mean 0.002272
Std Dev 0.9822

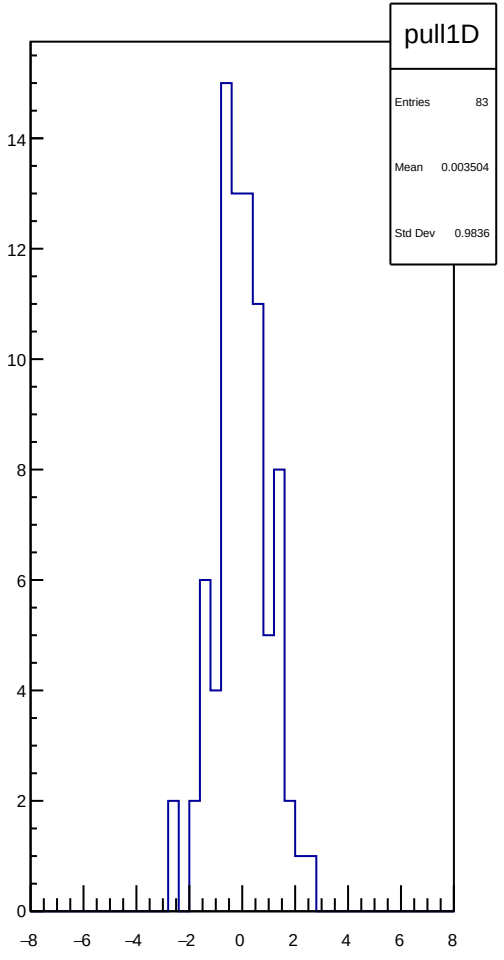

asym_at2_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 3542 / 82
p0 8241 ± 6.567
10000
9500
9000
8500
8000
7500

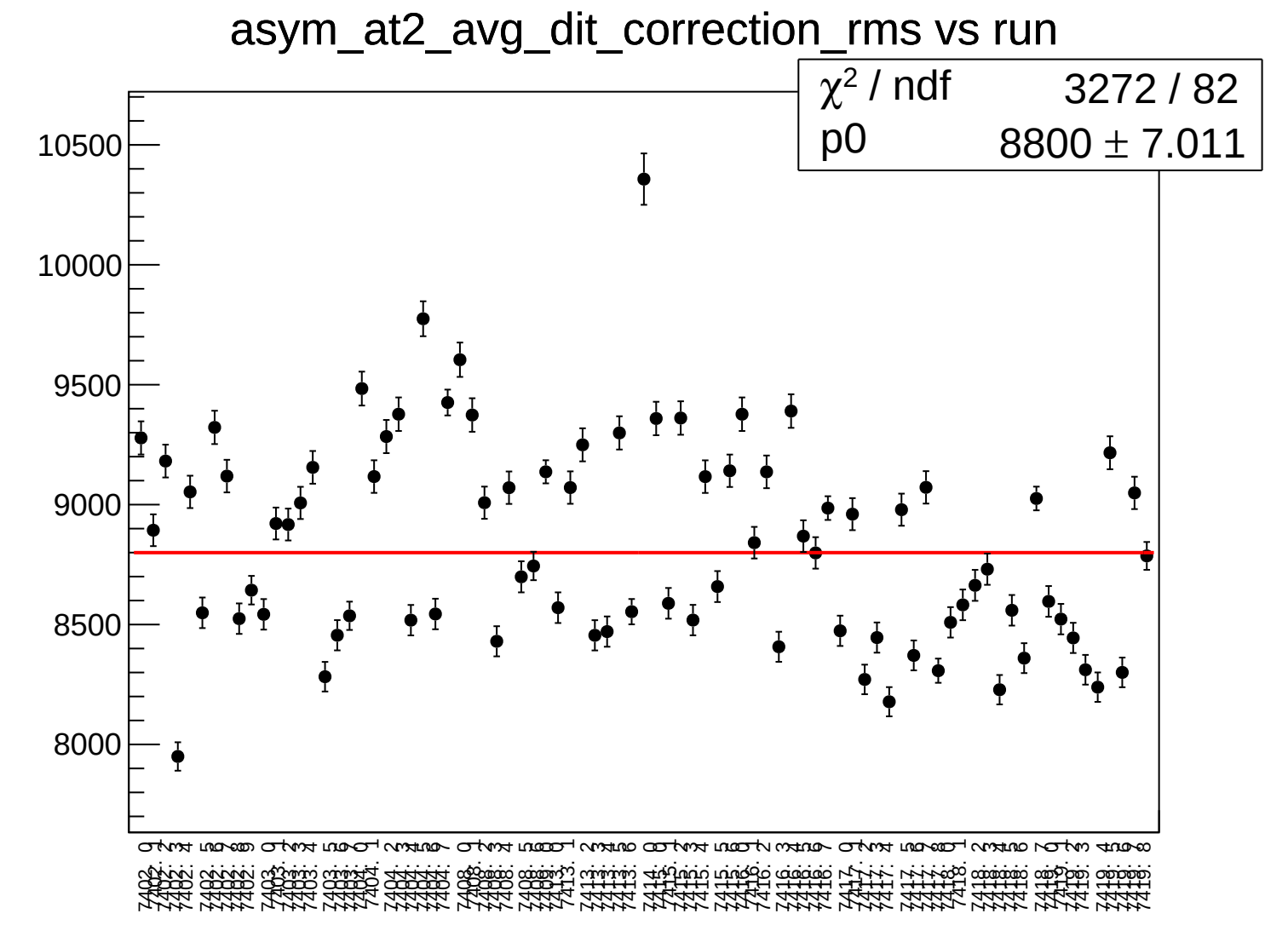

dit_asym_at2_avg_mean vs run
χ² / ndf 82.22 / 82
p0 2453 ± 2109
pull
Entries 83
Mean 135.6
Std Dev 0

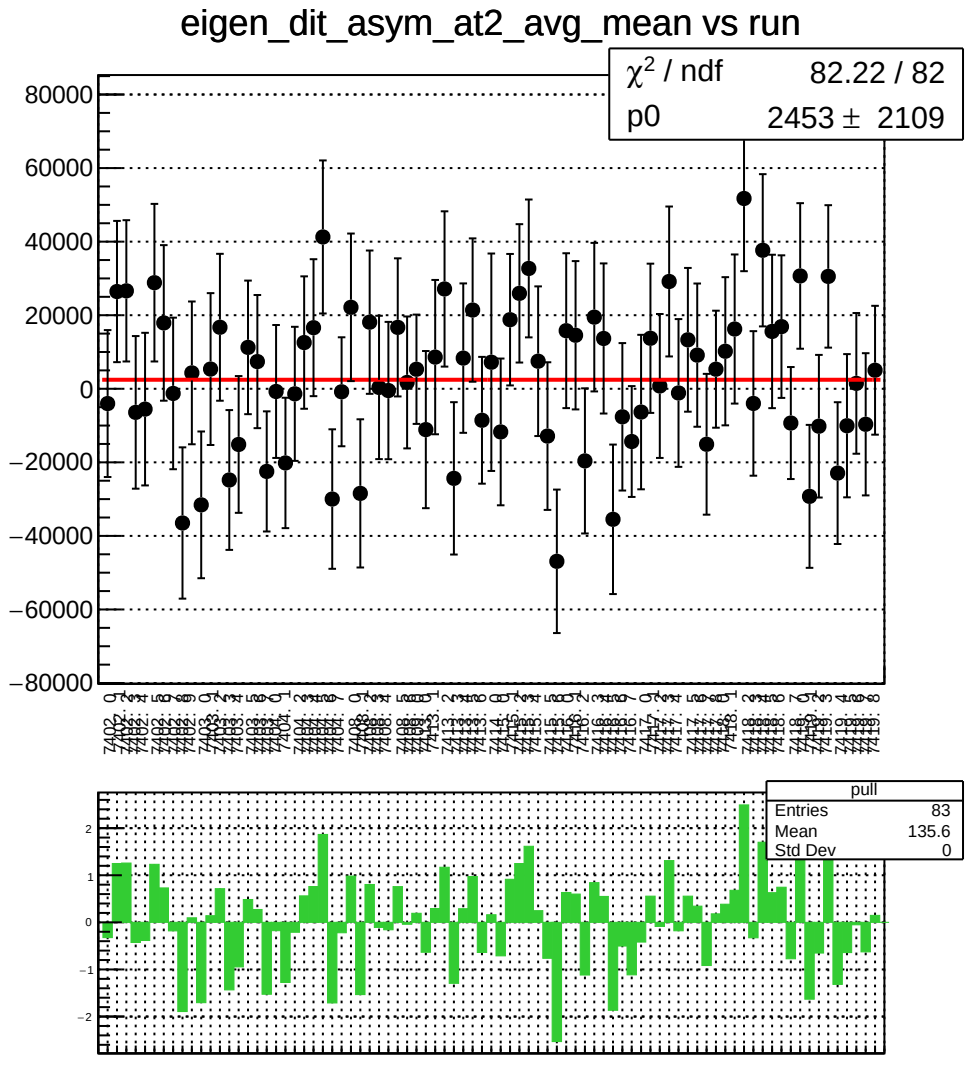

pull1D
Entries 83
Mean 0.01444
Std Dev 0.9952

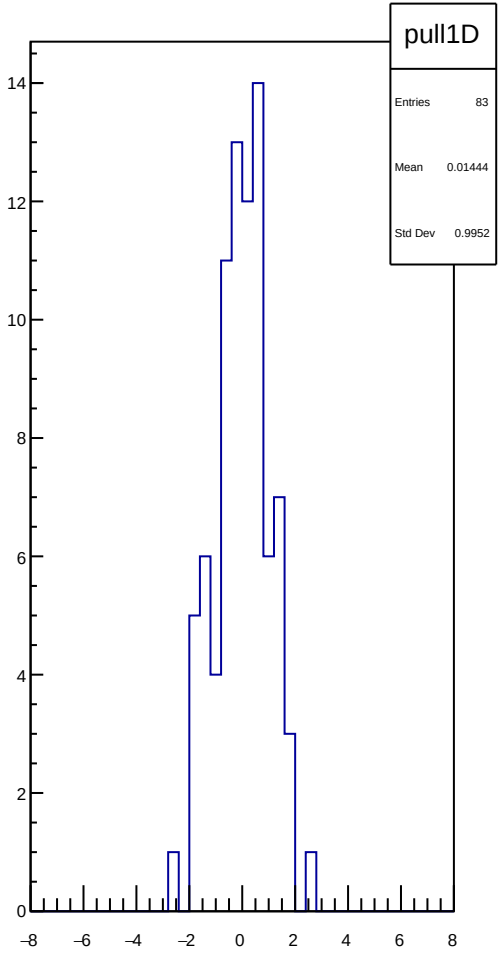

dit_asym_at2_avg_rms vs run
χ² / ndf 3532 / 82
p0 1871 ± 1.491
2050
2000
1950
1900
1850
1800
1750
1700
1650

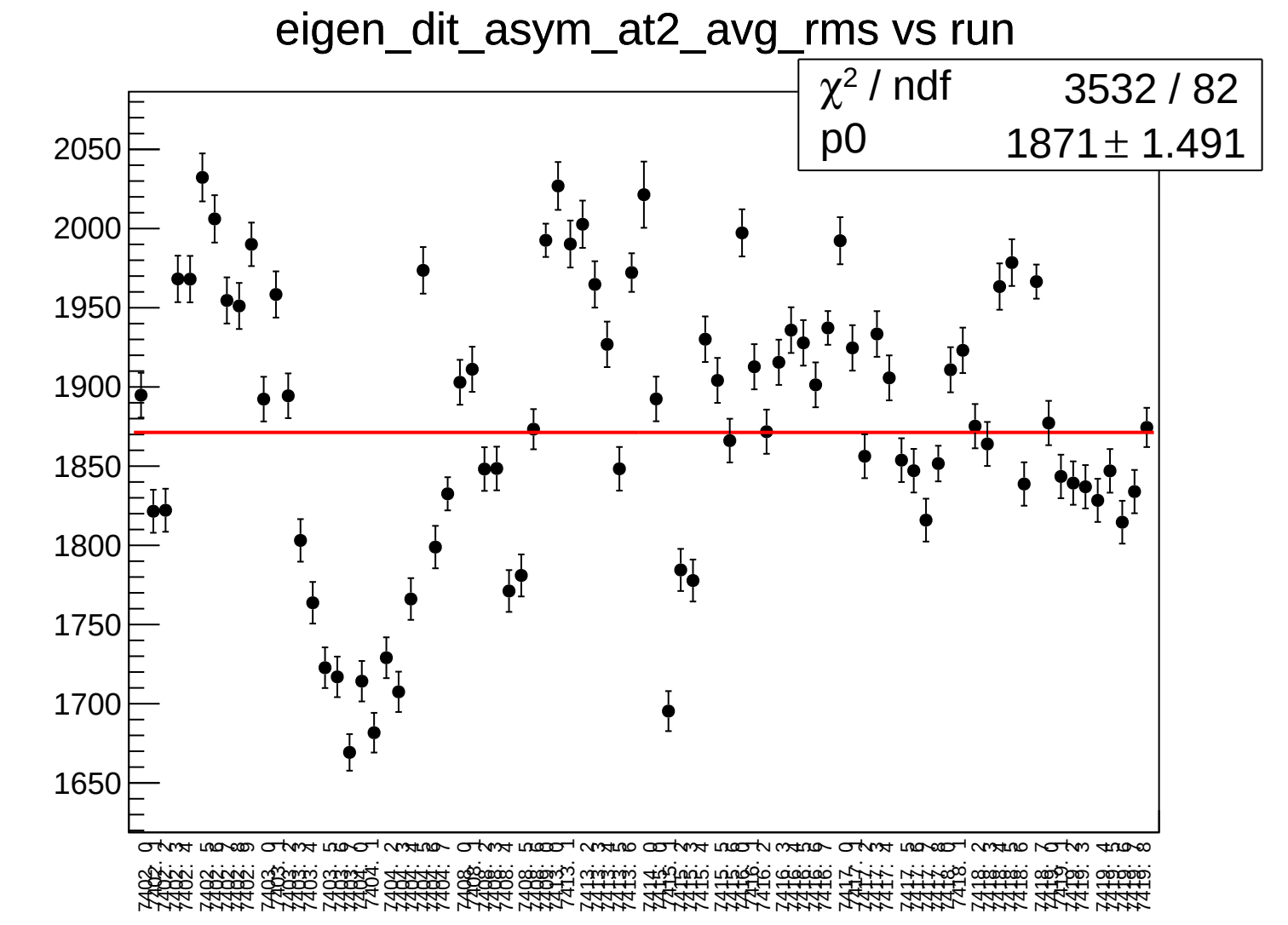

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 80.29 / 82
p0 2962 ± 9915
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −727
Std Dev 0
2
1
0
−1
−2

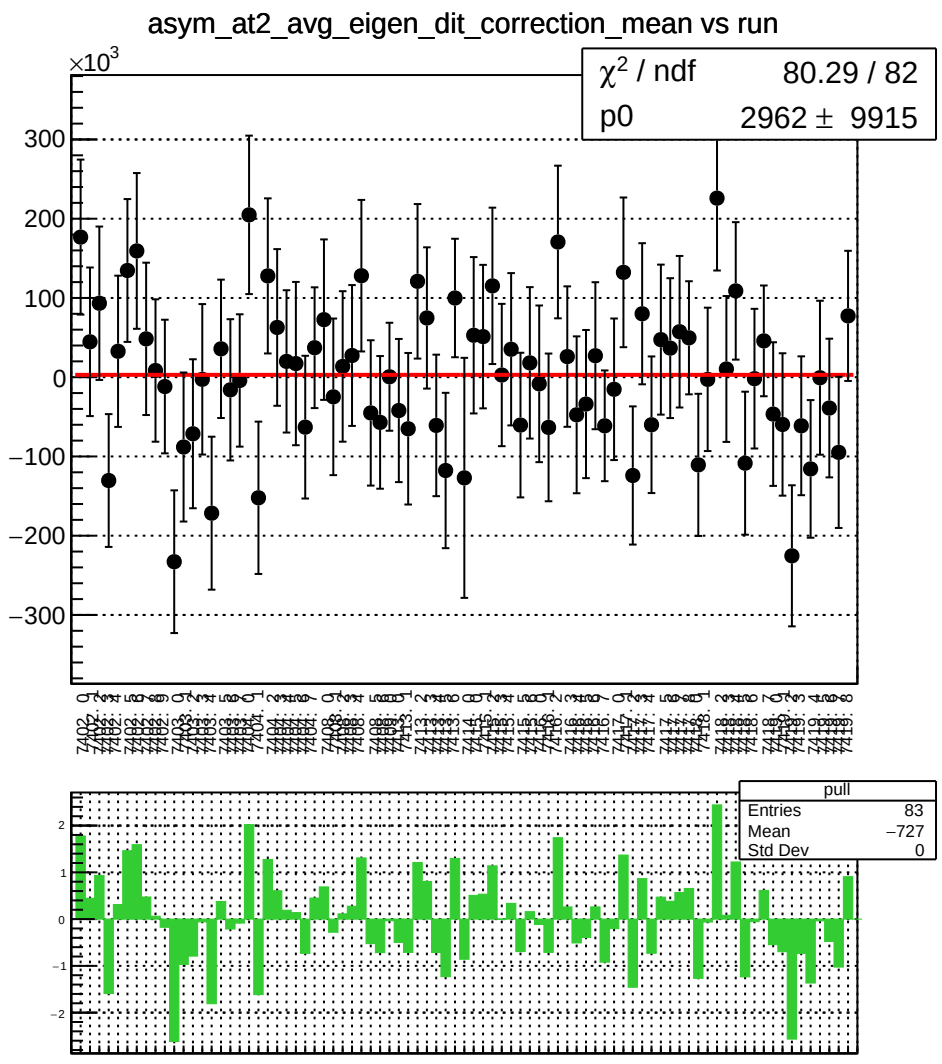

pull1D
Entries 83
Mean 0.003504
Std Dev 0.9836
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

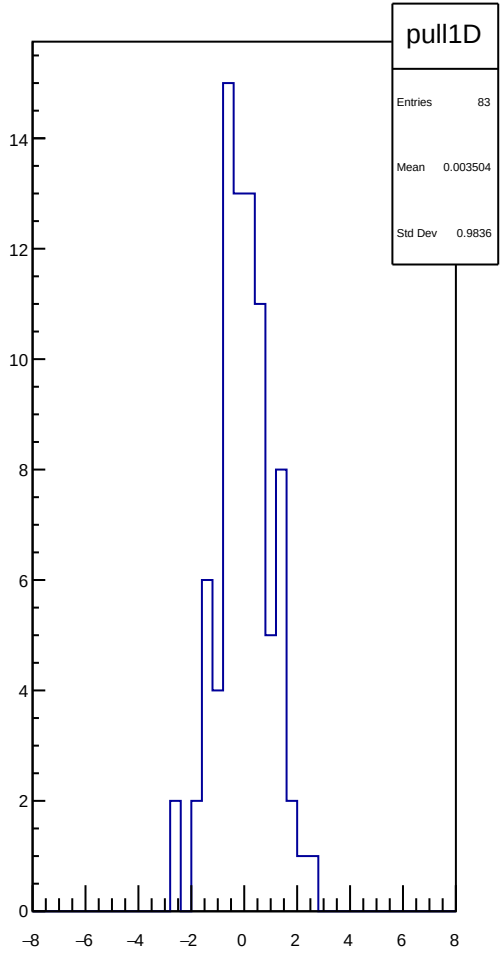

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 3272 / 82
p0 8800 ± 7.011
10500
10000
9500
9000
8500
8000

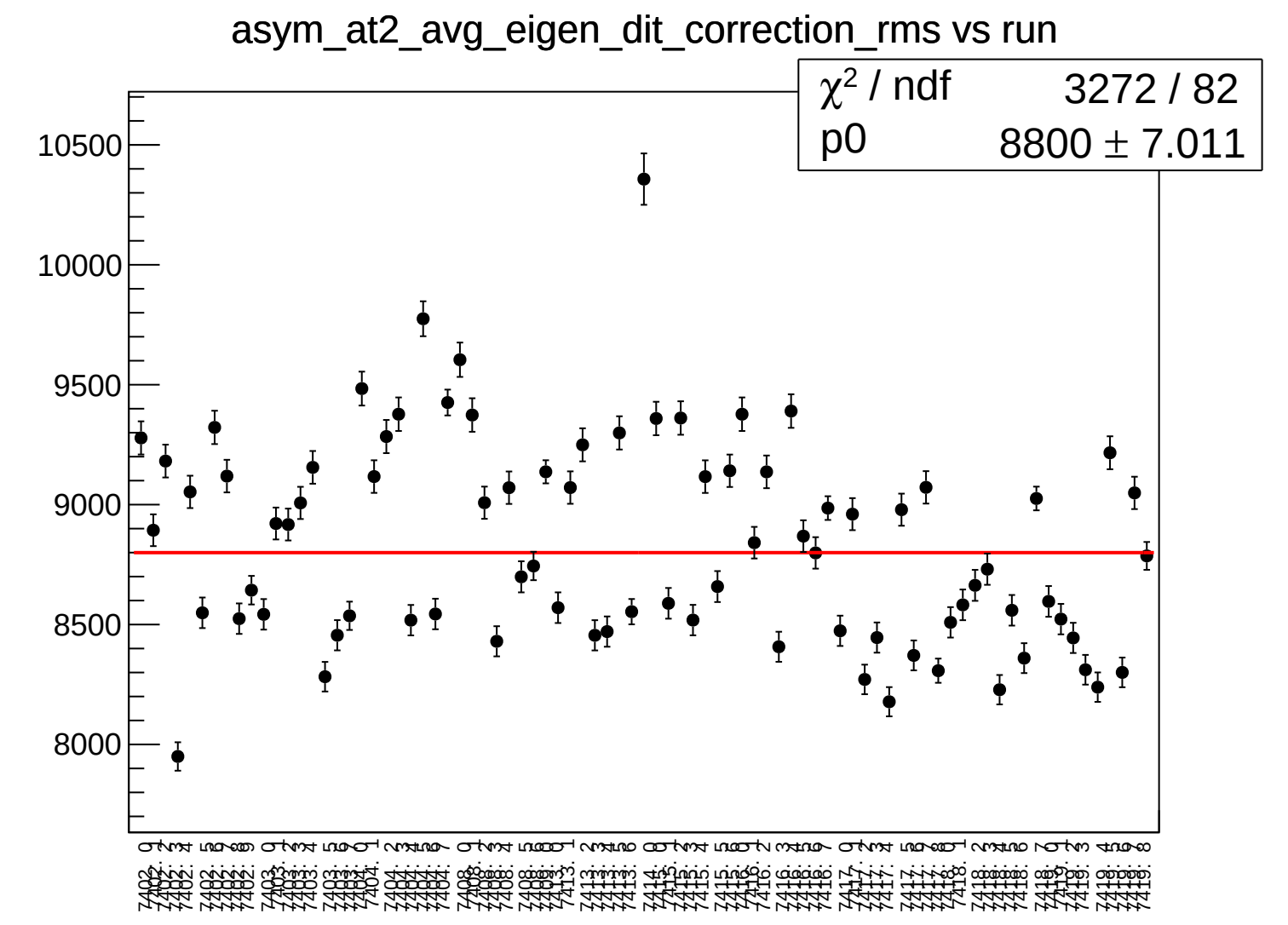

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 82.22 / 82
p0 2453 ± 2109
pull
Entries 83
Mean 135.6
Std Dev 0

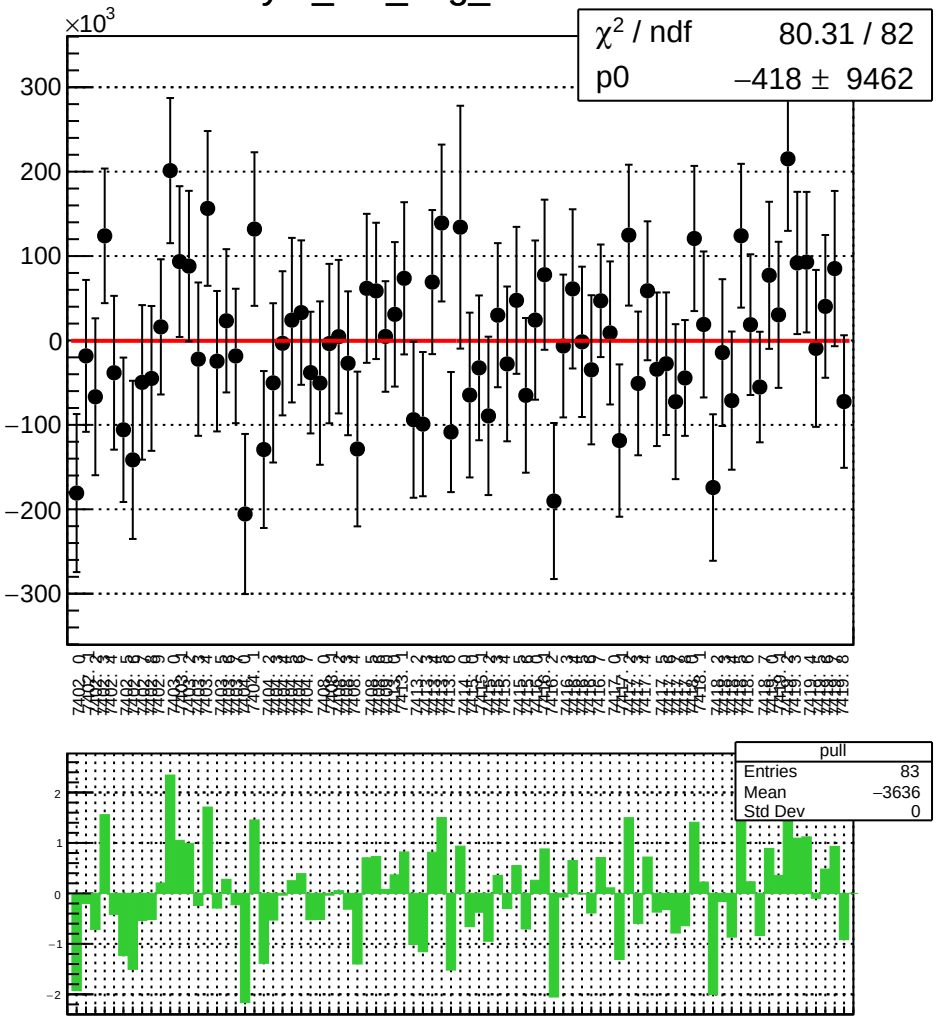

pull1D
Entries 83
Mean 0.01444
Std Dev 0.9952

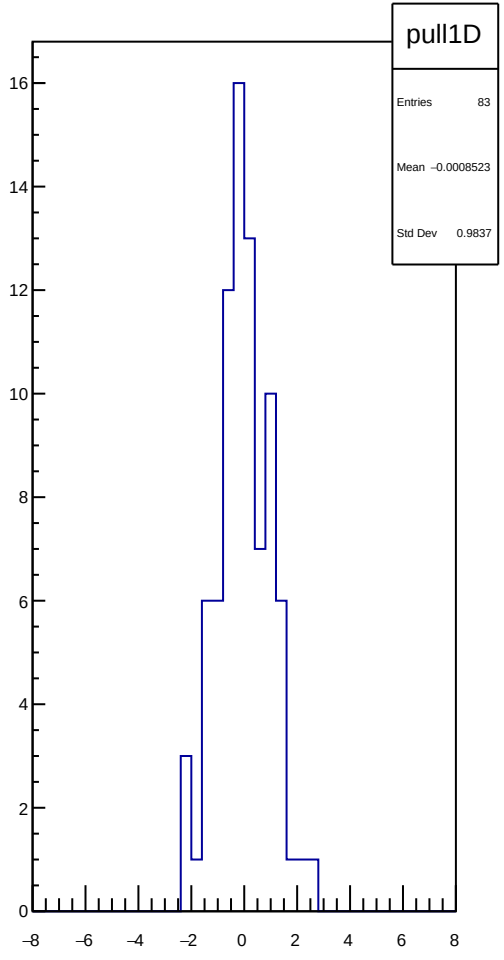

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 3532 / 82
p0 1871 ± 1.491
2050
2000
1950
1900
1850
1800
1750
1700
1650

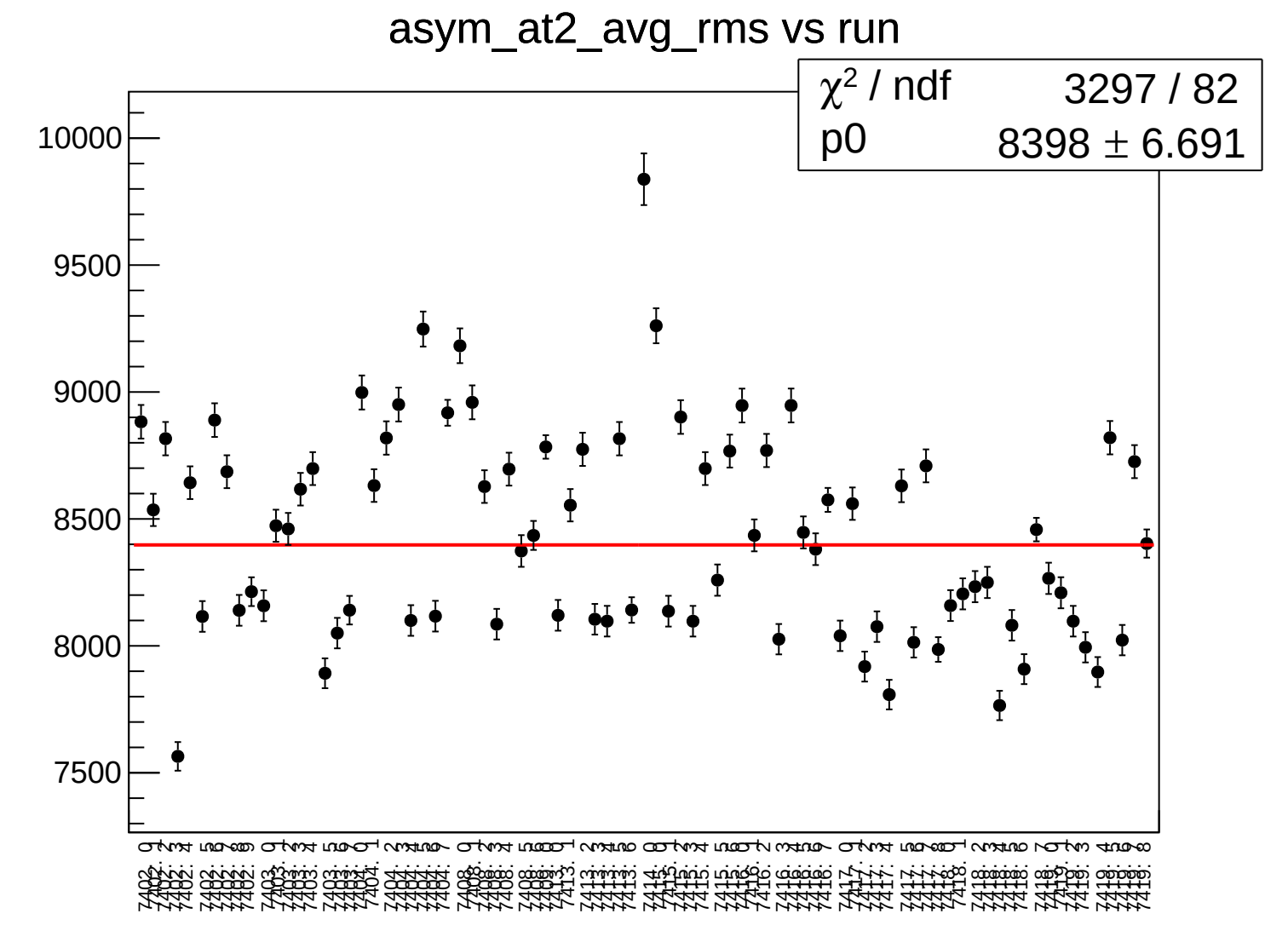

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.29 / 82
p0 2962 ± 9915
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −727
Std Dev 0
2
1
0
−1
−2

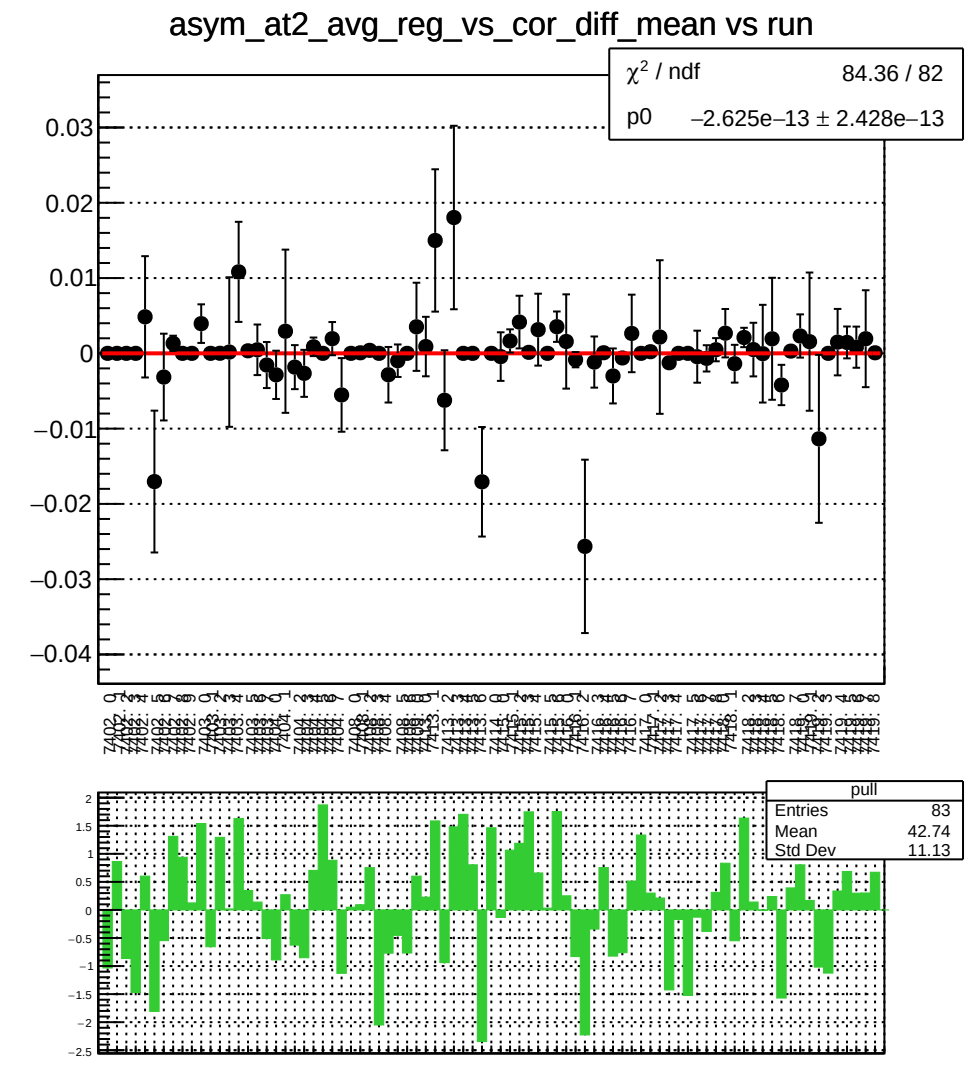

pull1D
Entries 83
Mean 0.003504
Std Dev 0.9836
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

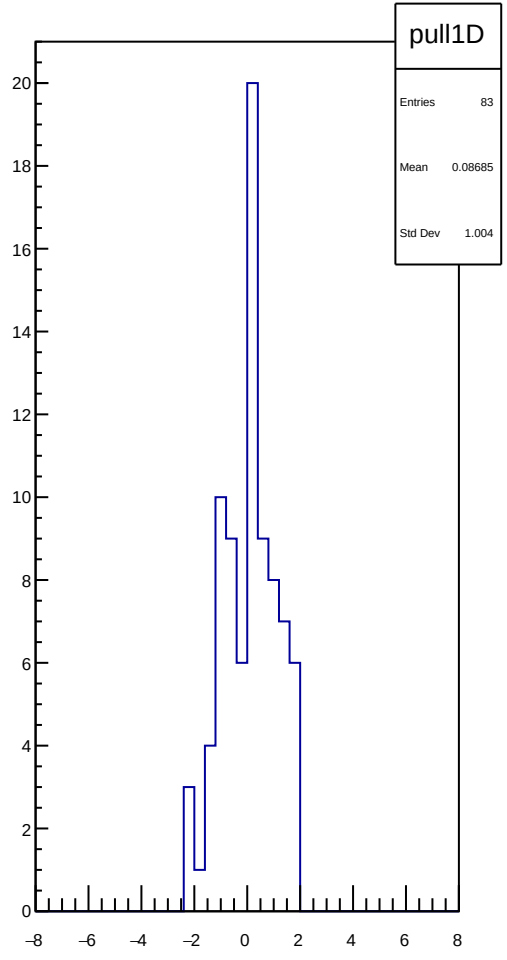

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3272 / 82
p0 8800 ± 7.011
10500
10000
9500
9000
8500
8000

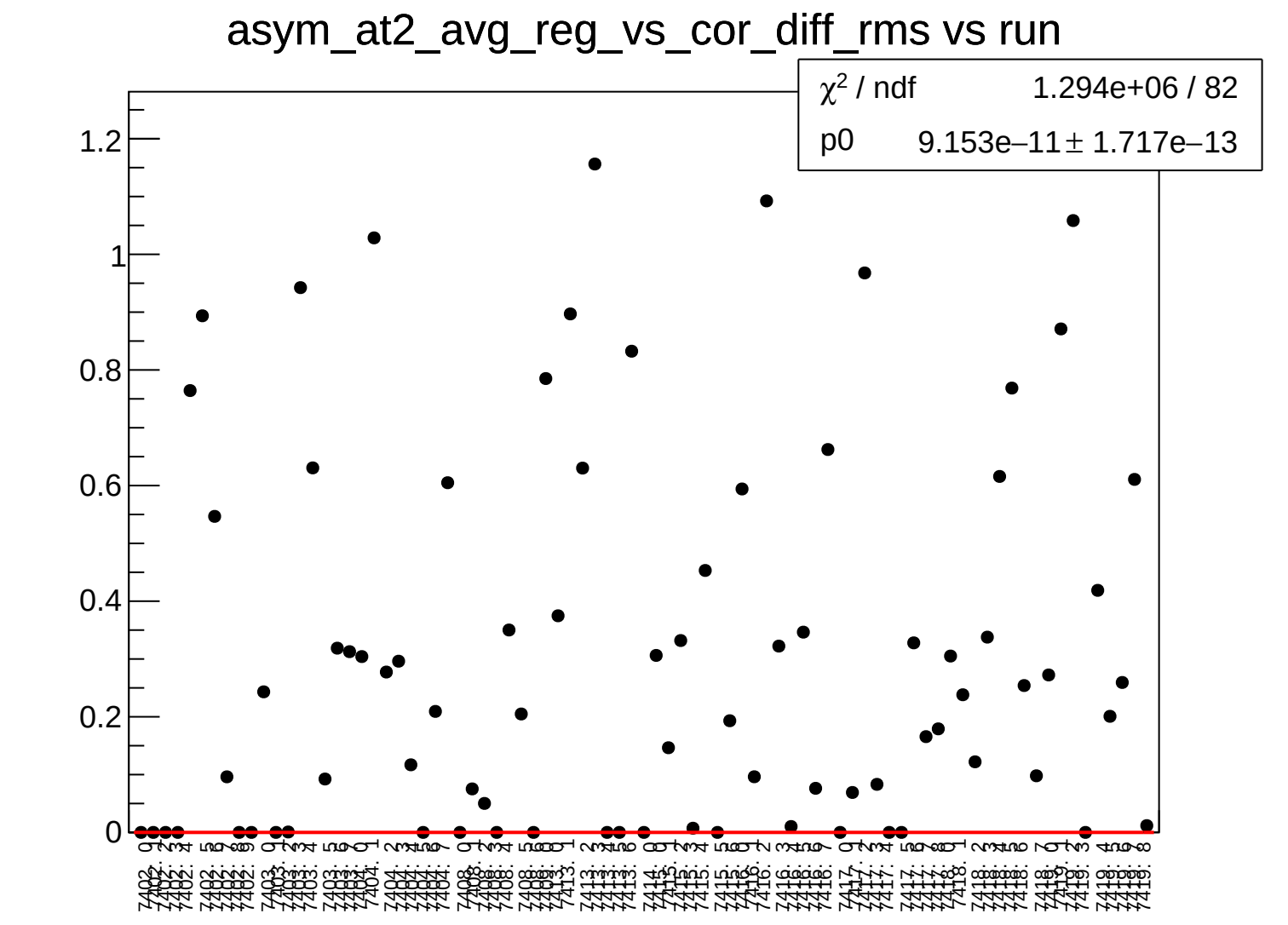

asym_at2_avg_mean vs run
×10^3
χ² / ndf 80.31 / 82
p0 −418 ± 9462
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −3636
Std Dev 0
2
1
0
−1
−2

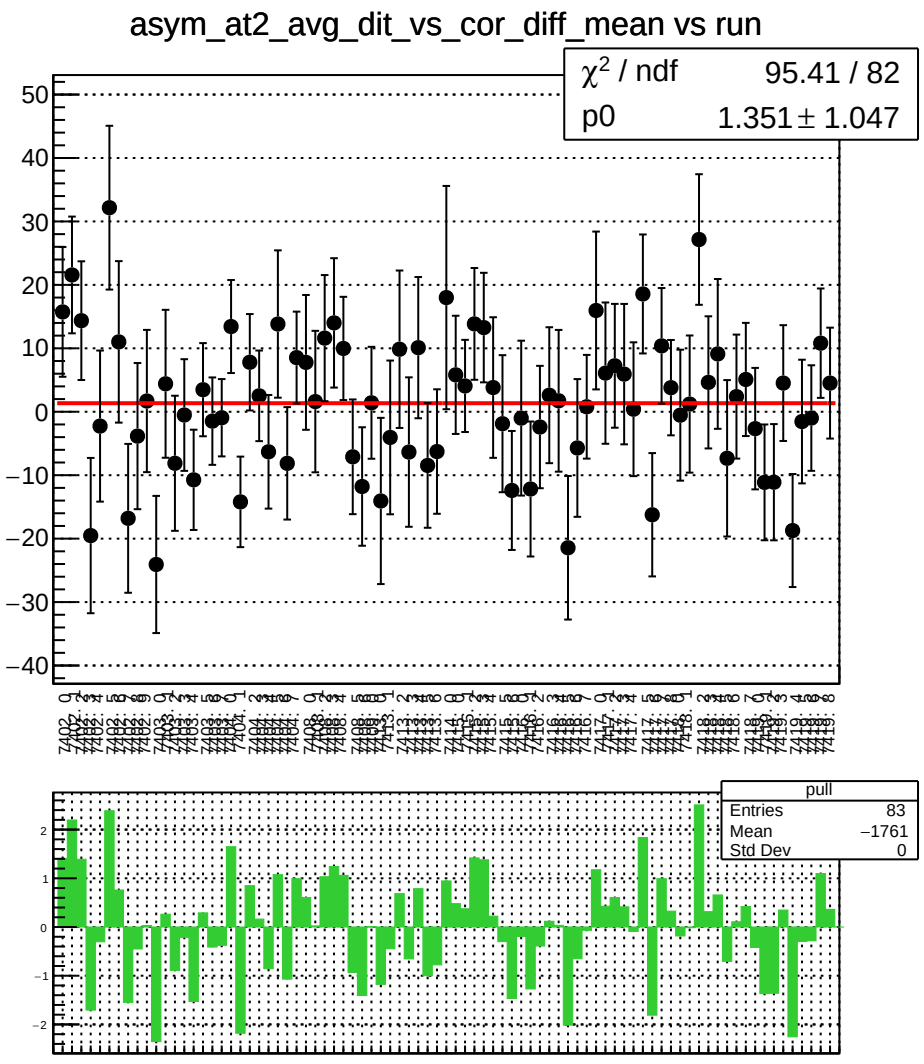

pull1D
Entries 83
Mean −0.0008523
Std Dev 0.9837
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

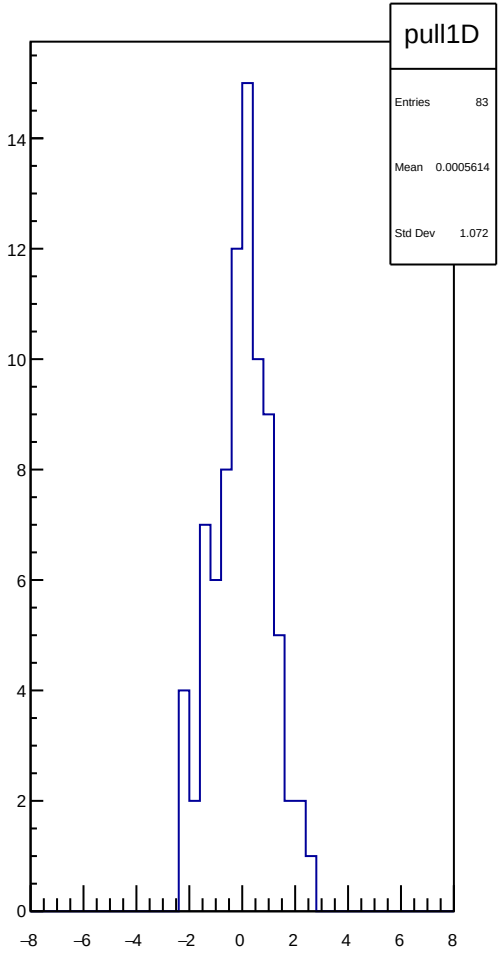

asym_at2_avg_rms vs run
χ^2 / ndf 3297 / 82
p0 8398 ± 6.691
10000
9500
9000
8500
8000
7500

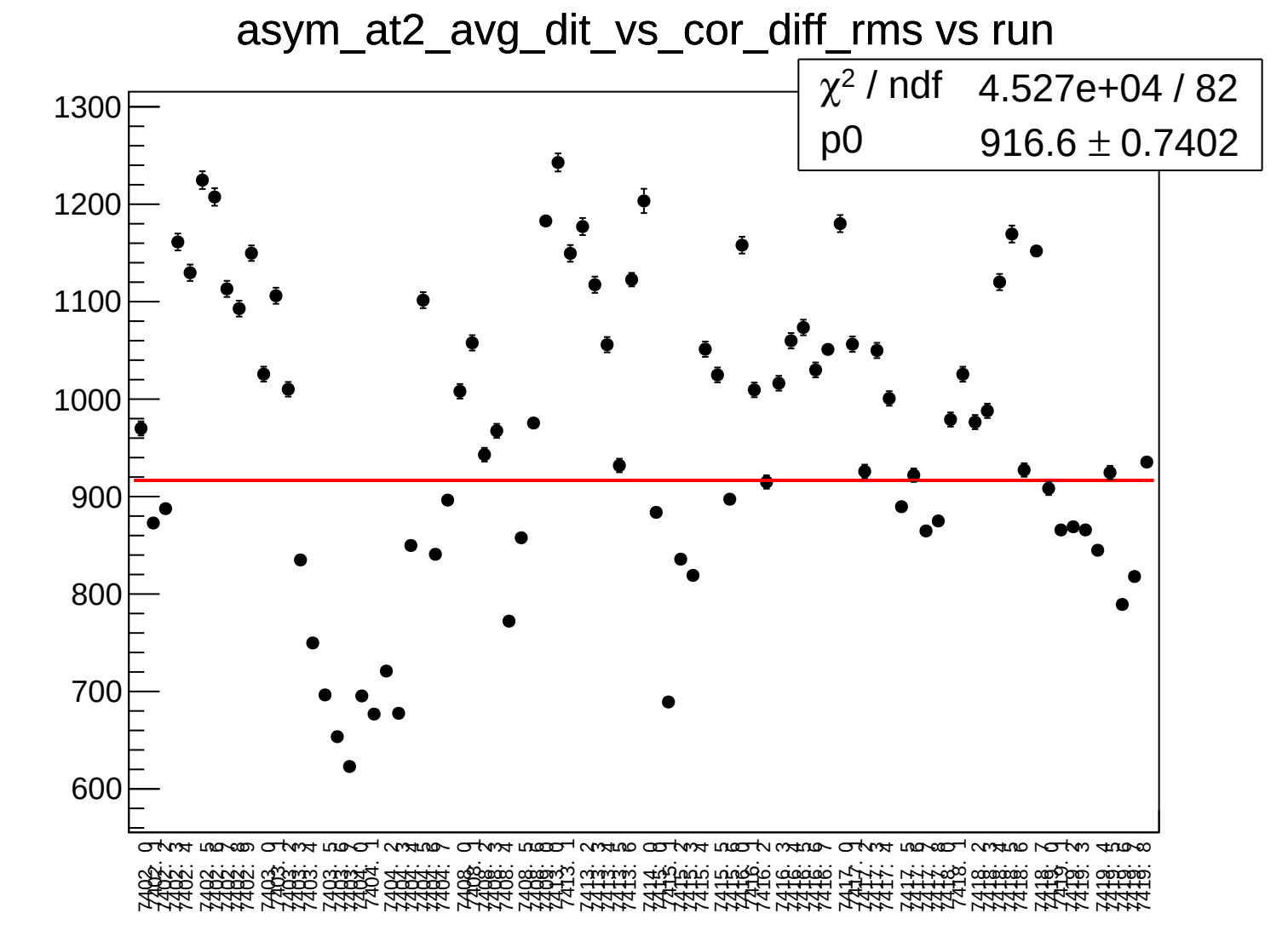

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.36 / 82
p0 −2.625e−13 ± 2.428e−13
pull
Entries 83
Mean 42.74
Std Dev 11.13

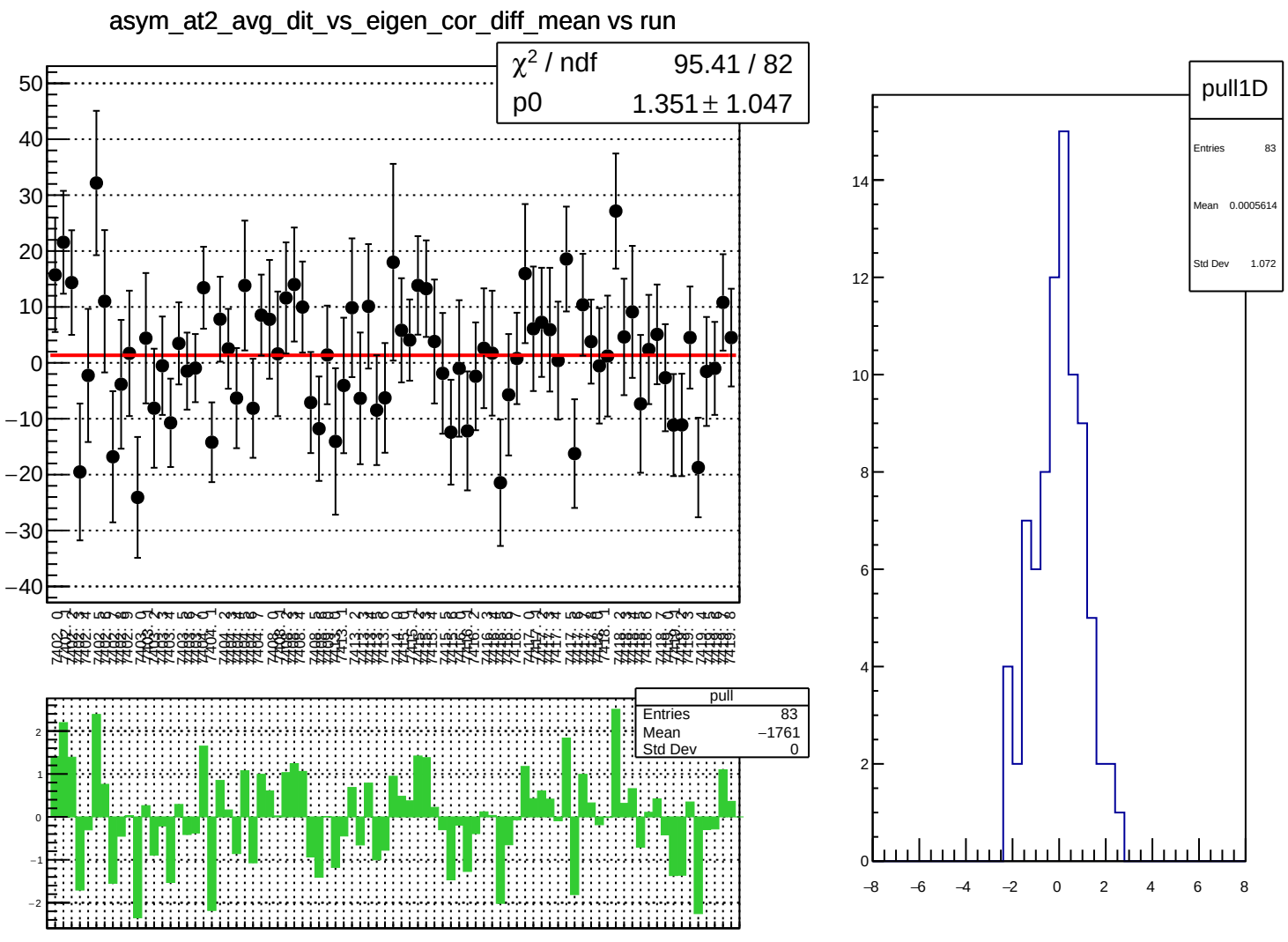

pull1D
Entries 83
Mean 0.08685
Std Dev 1.004

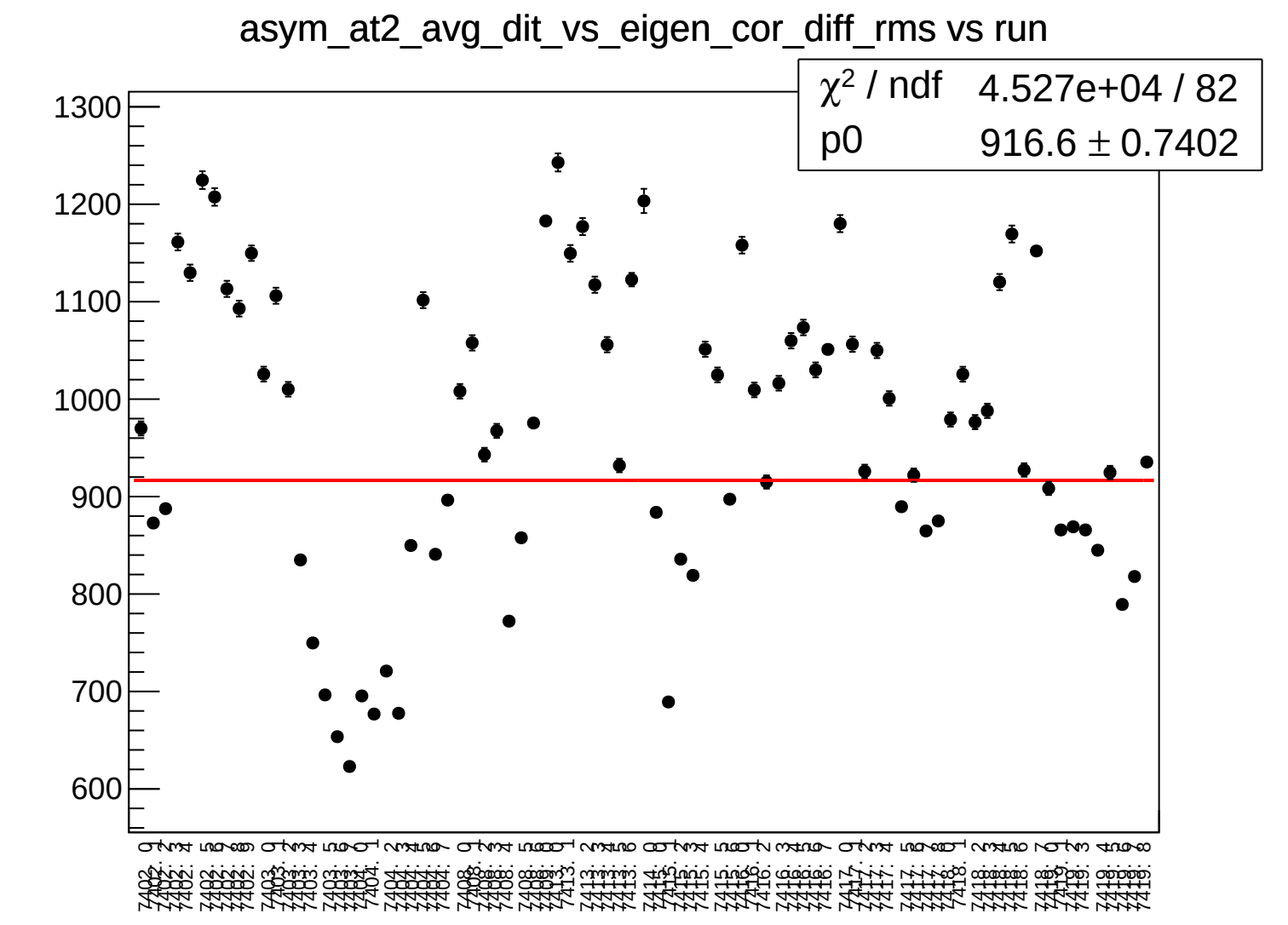

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.294e+06 / 82
p0 9.153e−11 ± 1.717e−13
1.2
1
0.8
0.6
0.4
0.2
0

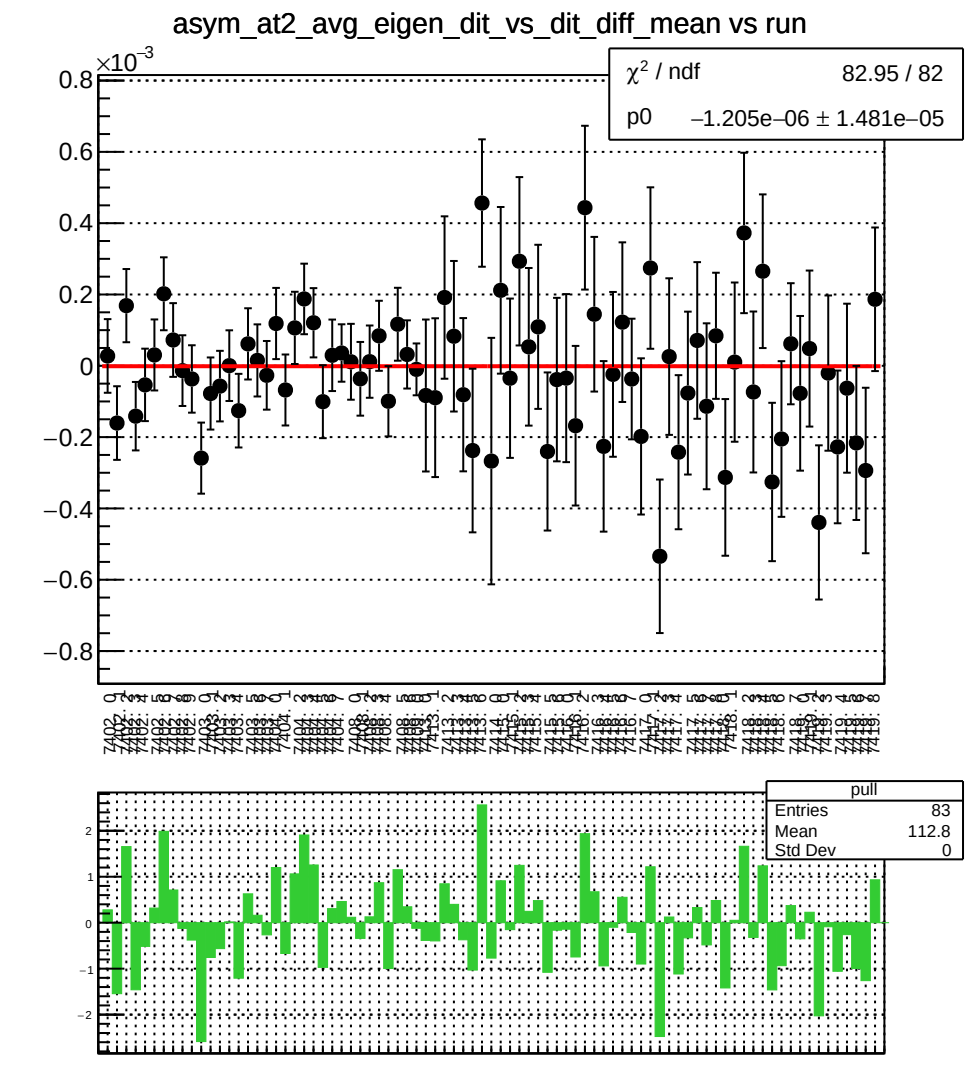

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 95.41 / 82
p0 1.351 ± 1.047
pull
Entries 83
Mean −1761
Std Dev 0

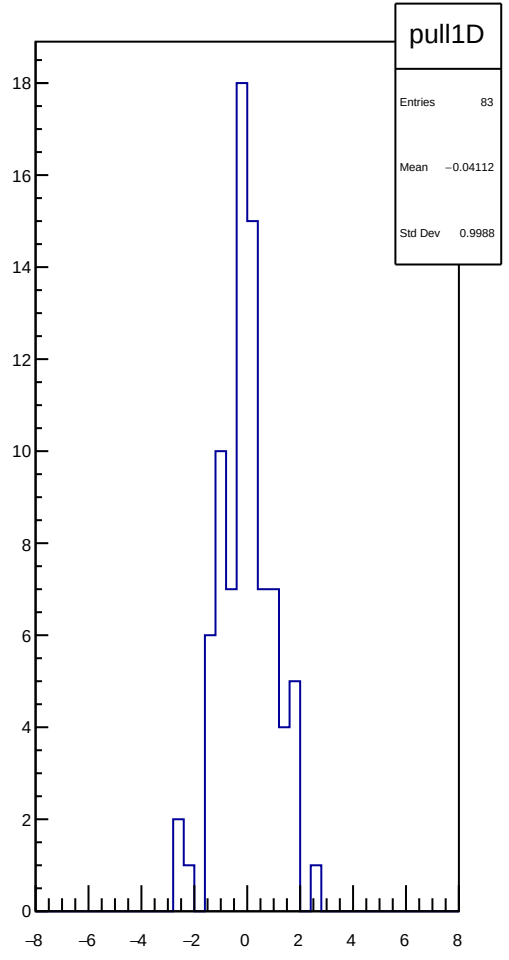

pull1D
Entries 83
Mean 0.0005614
Std Dev 1.072

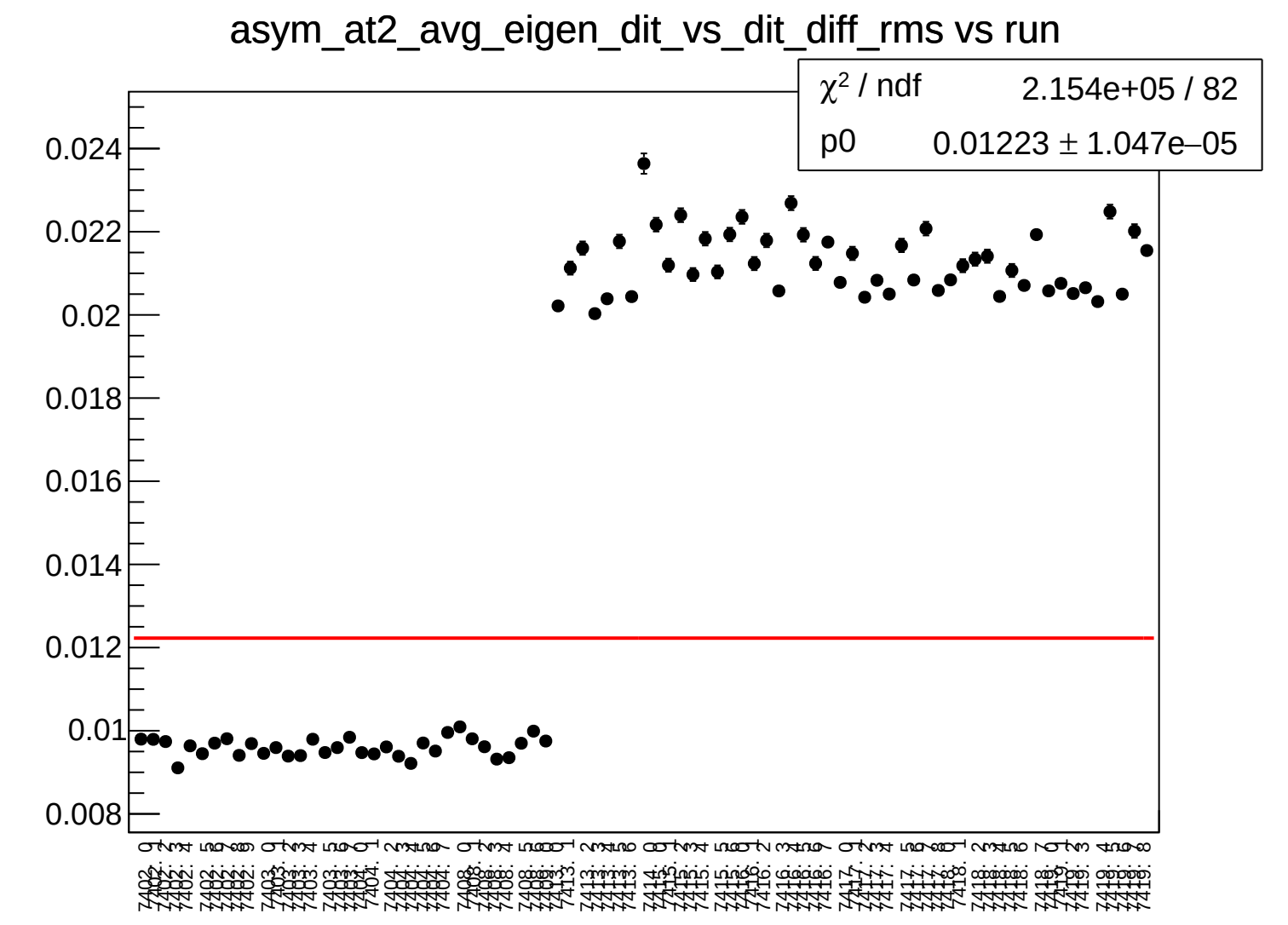

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.527e+04 / 82
p0 916.6 ± 0.7402
1300
1200
1100
1000
900
800
700
600

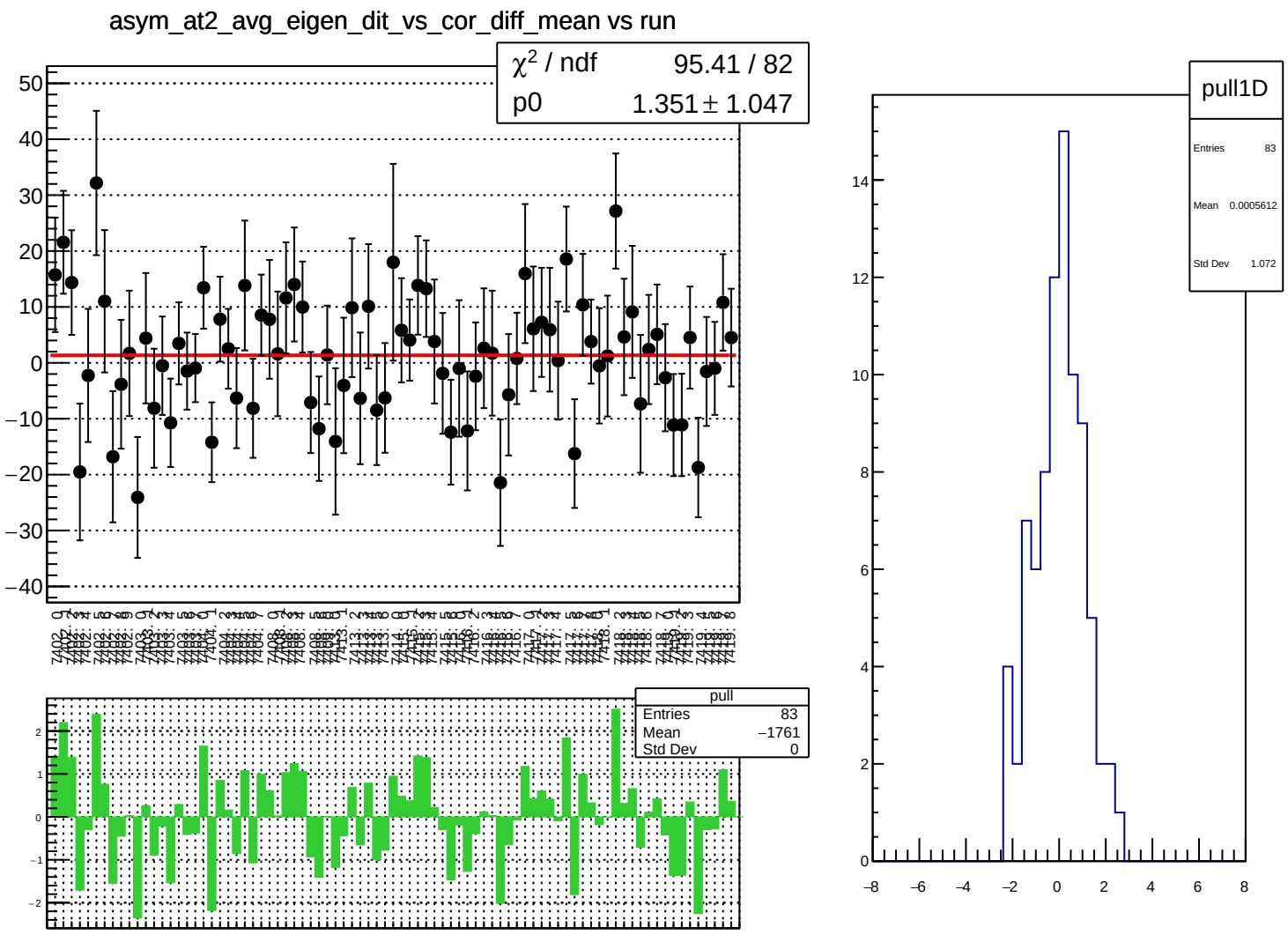

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.41 / 82
p0 1.351 ± 1.047
pull
Entries 83
Mean −1761
Std Dev 0
pull1D
Entries 83
Mean 0.0005614
Std Dev 1.072

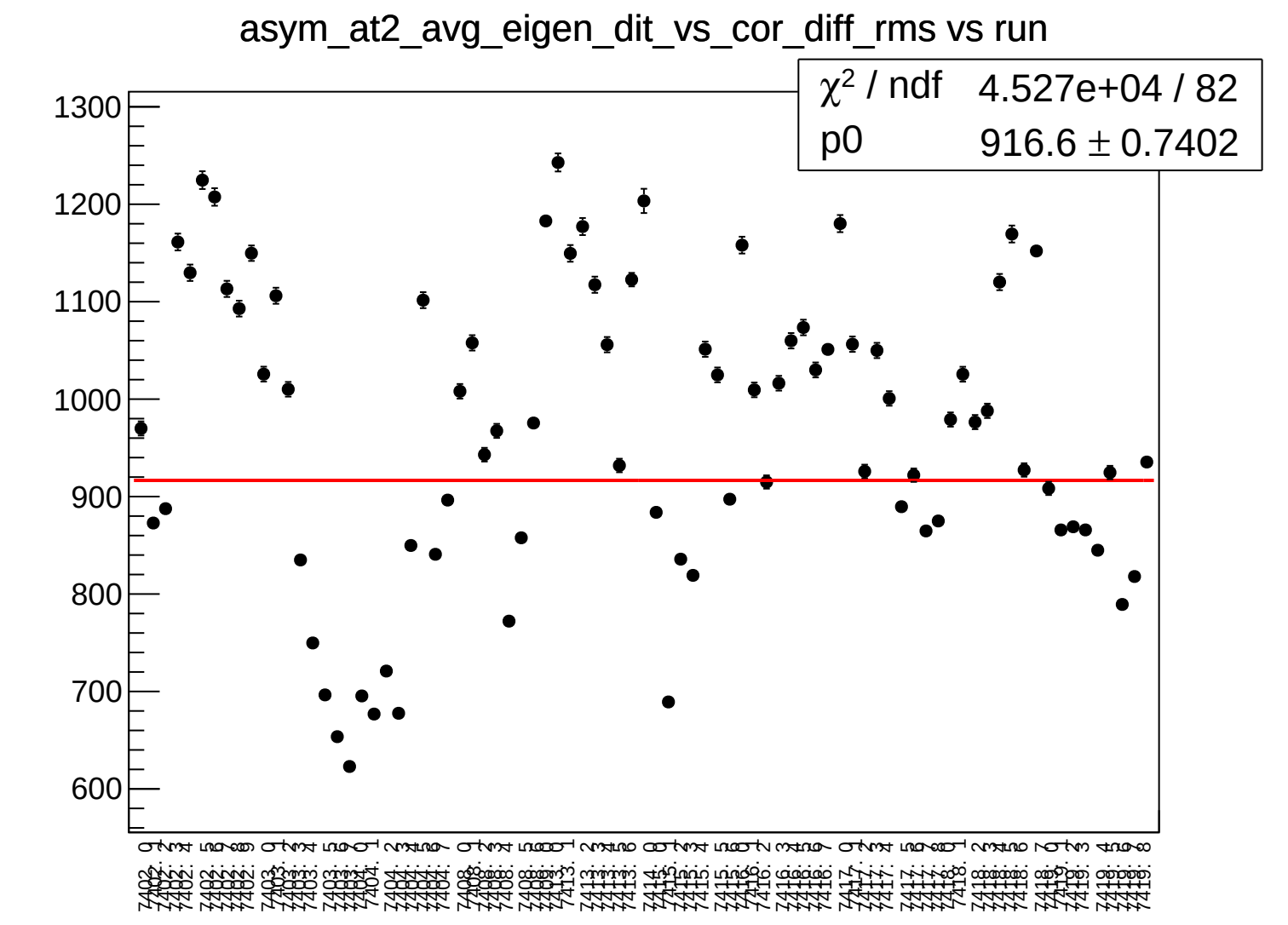

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.527e+04 / 82
p0 916.6 ± 0.7402
1300
1200
1100
1000
900
800
700
600

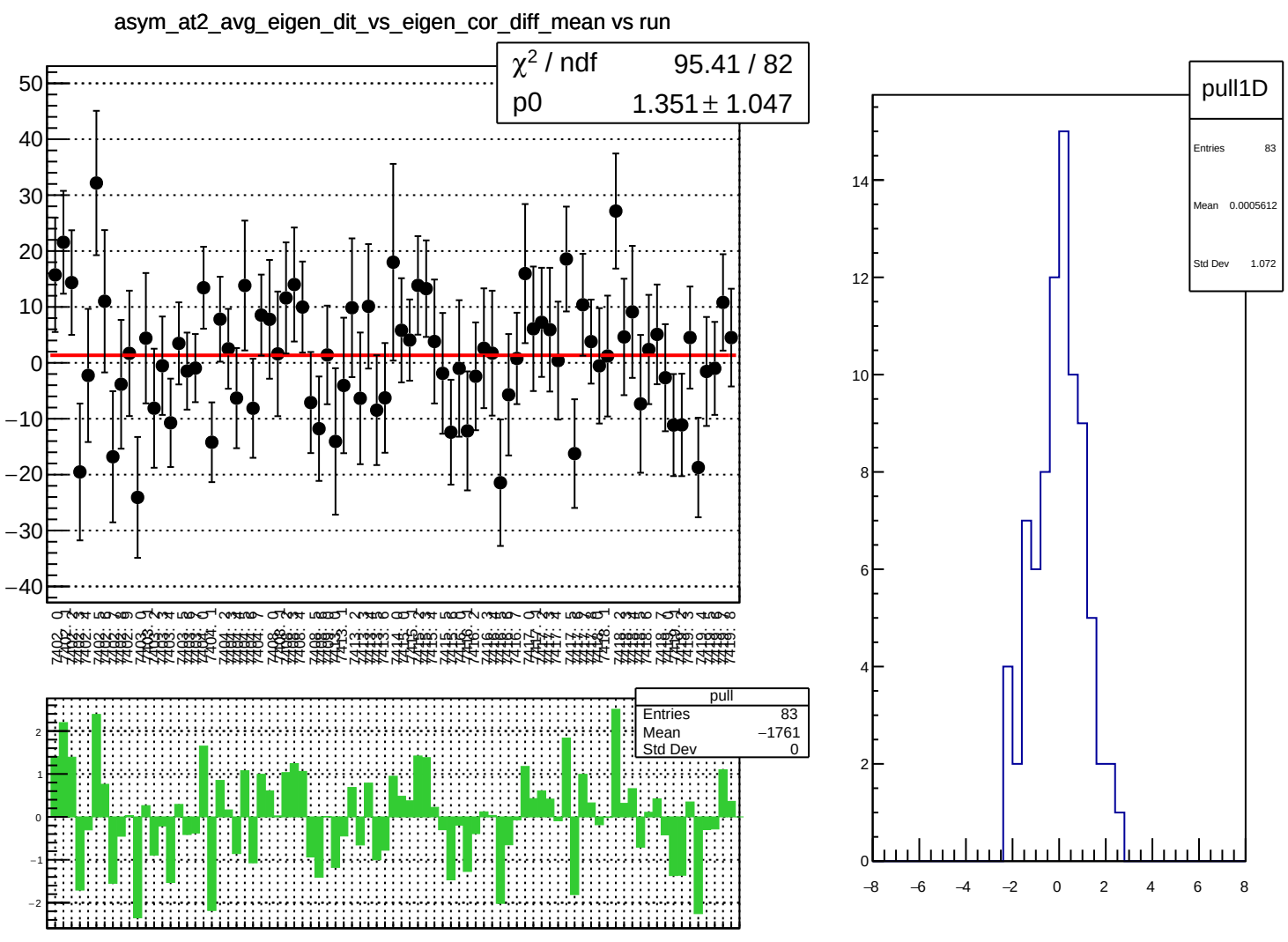

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.95 / 82
p0 −1.205e−06 ± 1.481e−05
pull
Entries 83
Mean 112.8
Std Dev 0

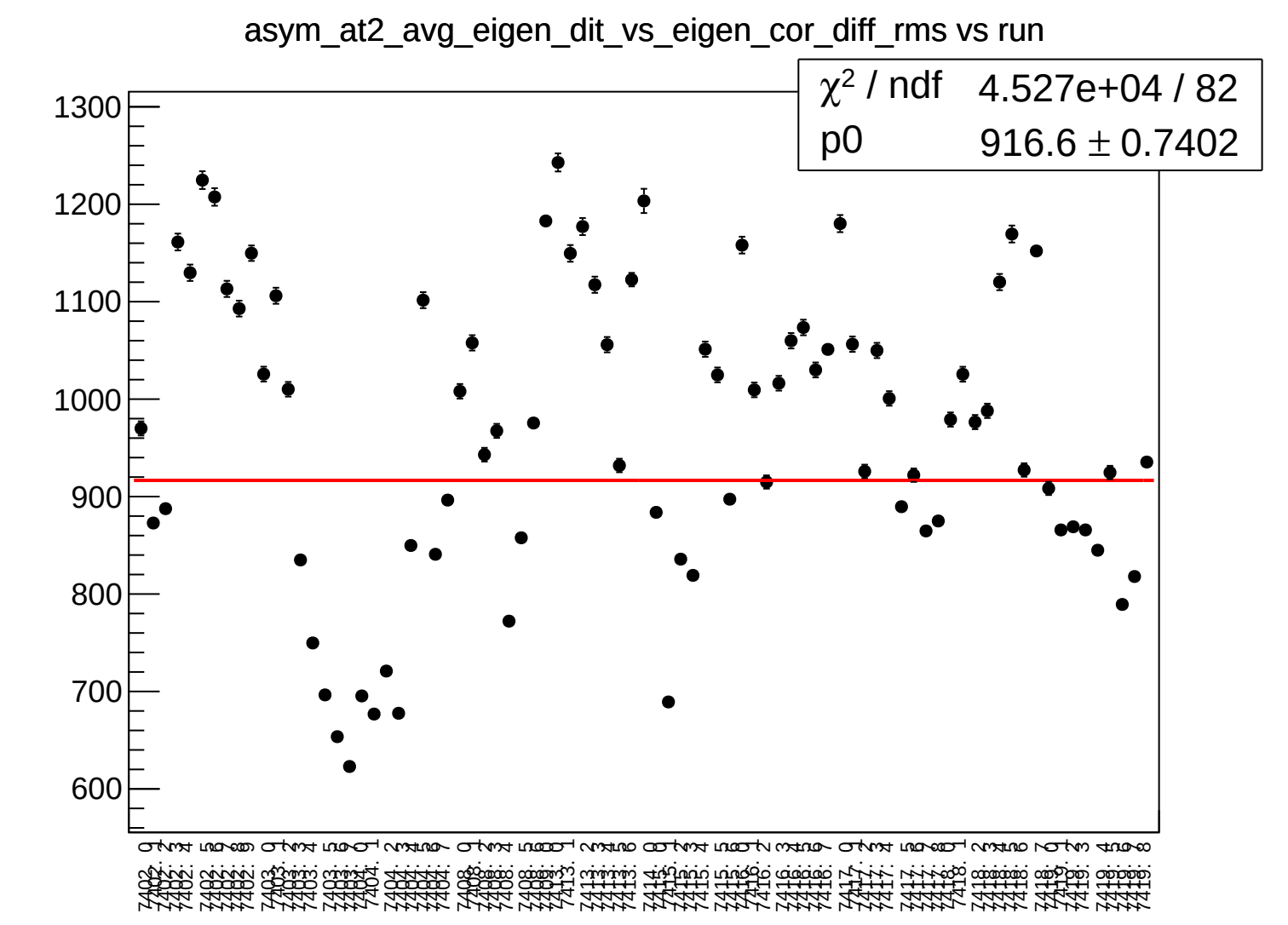

pull1D
Entries 83
Mean −0.04112
Std Dev 0.9988

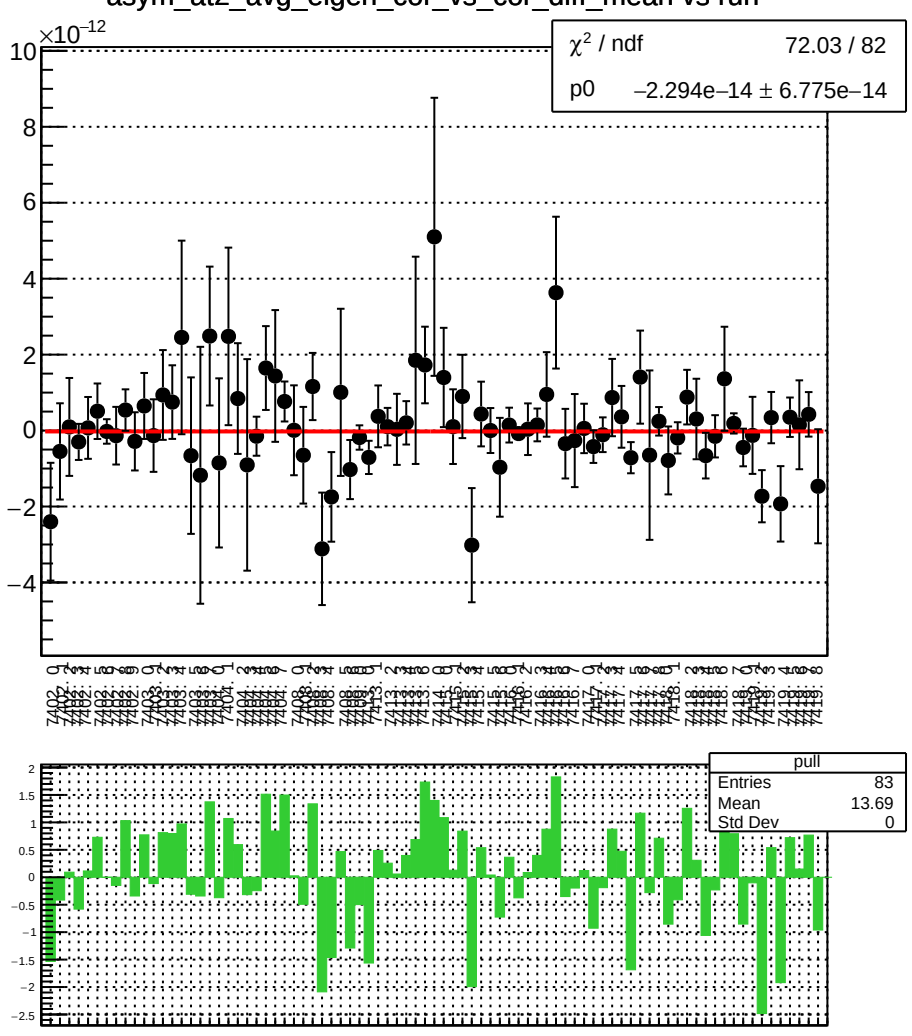

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.154e+05 / 82
p0 0.01223 ± 1.047e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

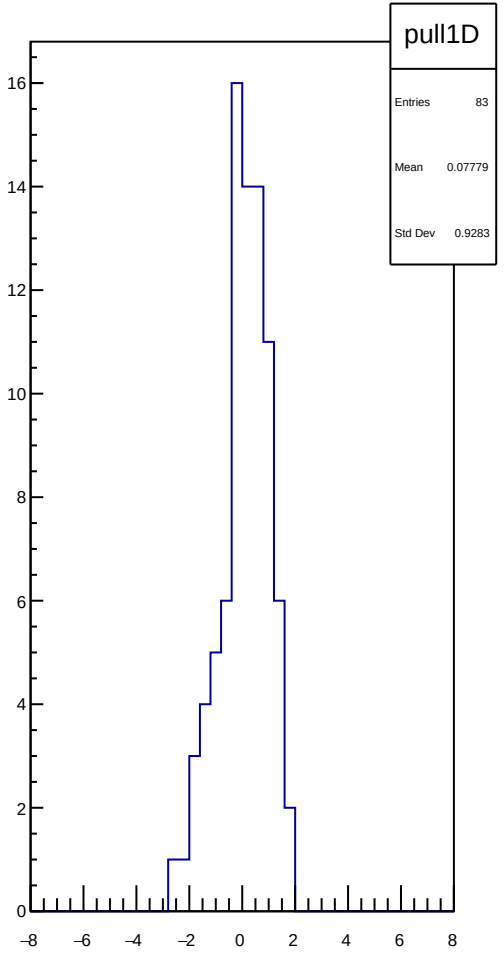

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.41 / 82
p0 1.351 ± 1.047
pull
Entries 83
Mean −1761
Std Dev 0
pull1D
Entries 83
Mean 0.0005612
Std Dev 1.072

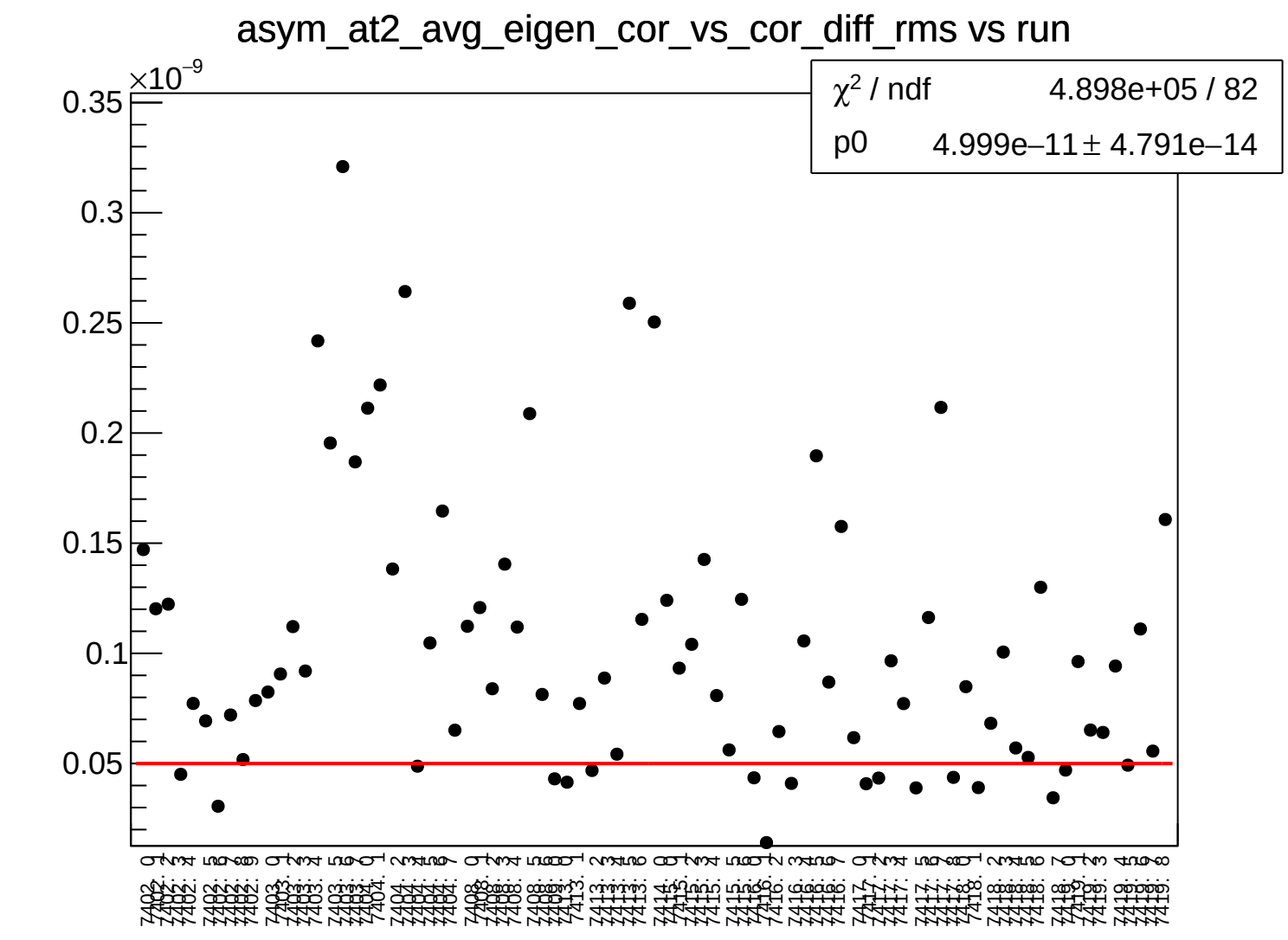

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.527e+04 / 82
p0 916.6 ± 0.7402
1300
1200
1100
1000
900
800
700
600

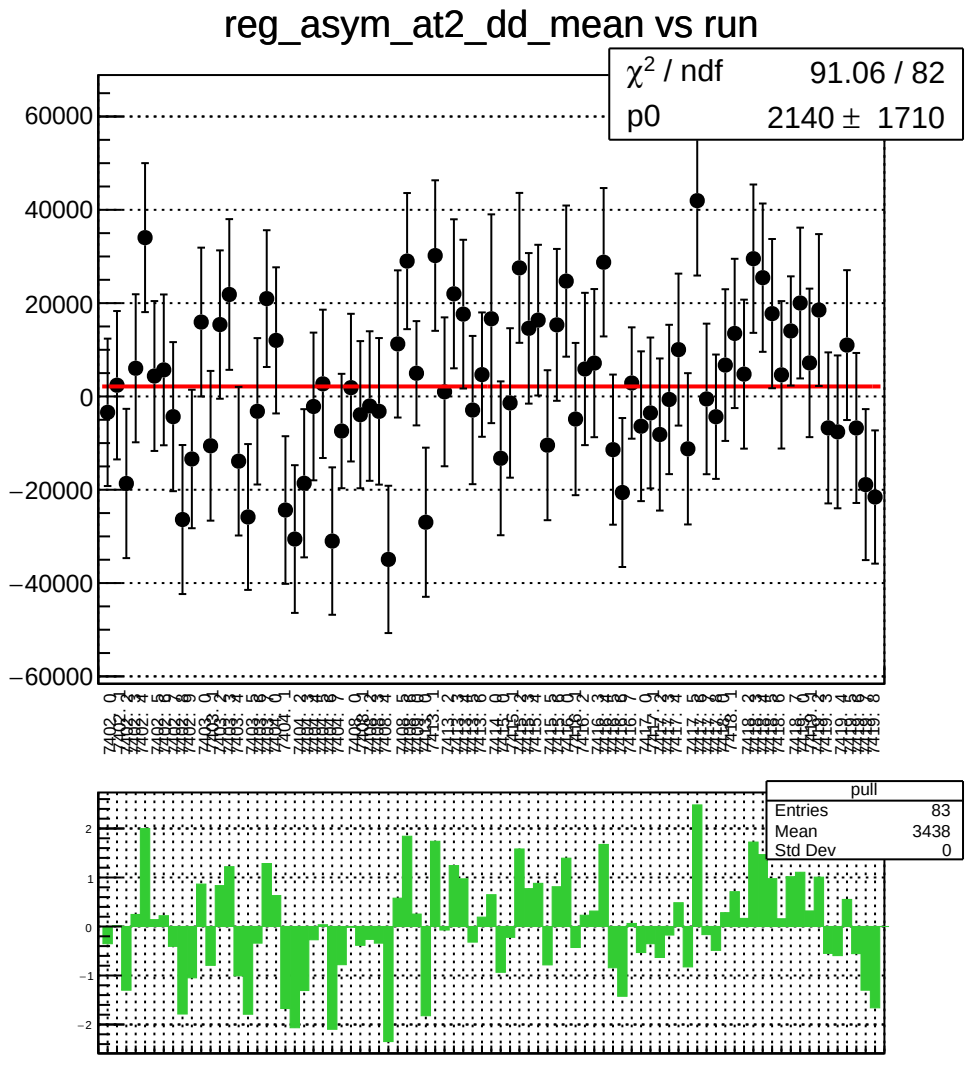

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.41 / 82
p0 1.351 ± 1.047
pull
Entries 83
Mean −1761
Std Dev 0
pull1D
Entries 83
Mean 0.0005612
Std Dev 1.072

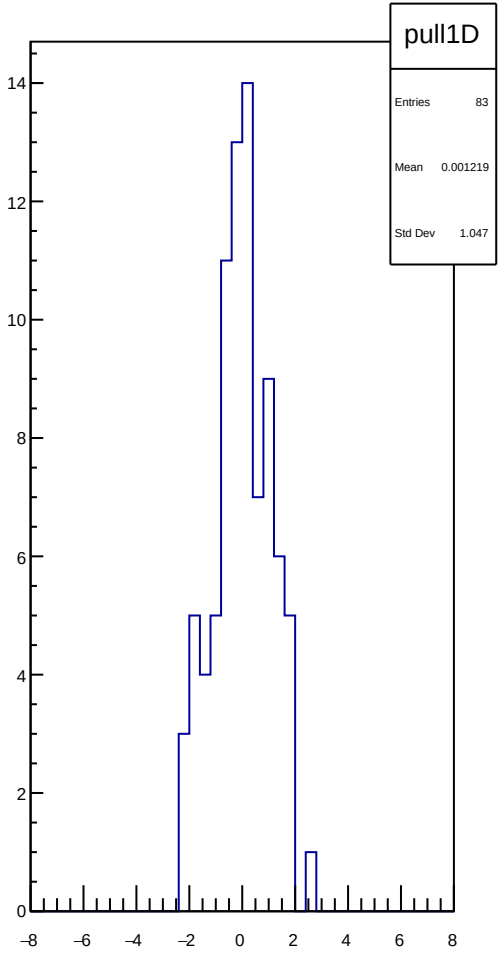

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.527e+04 / 82
p0 916.6 ± 0.7402
1300
1200
1100
1000
900
800
700
600

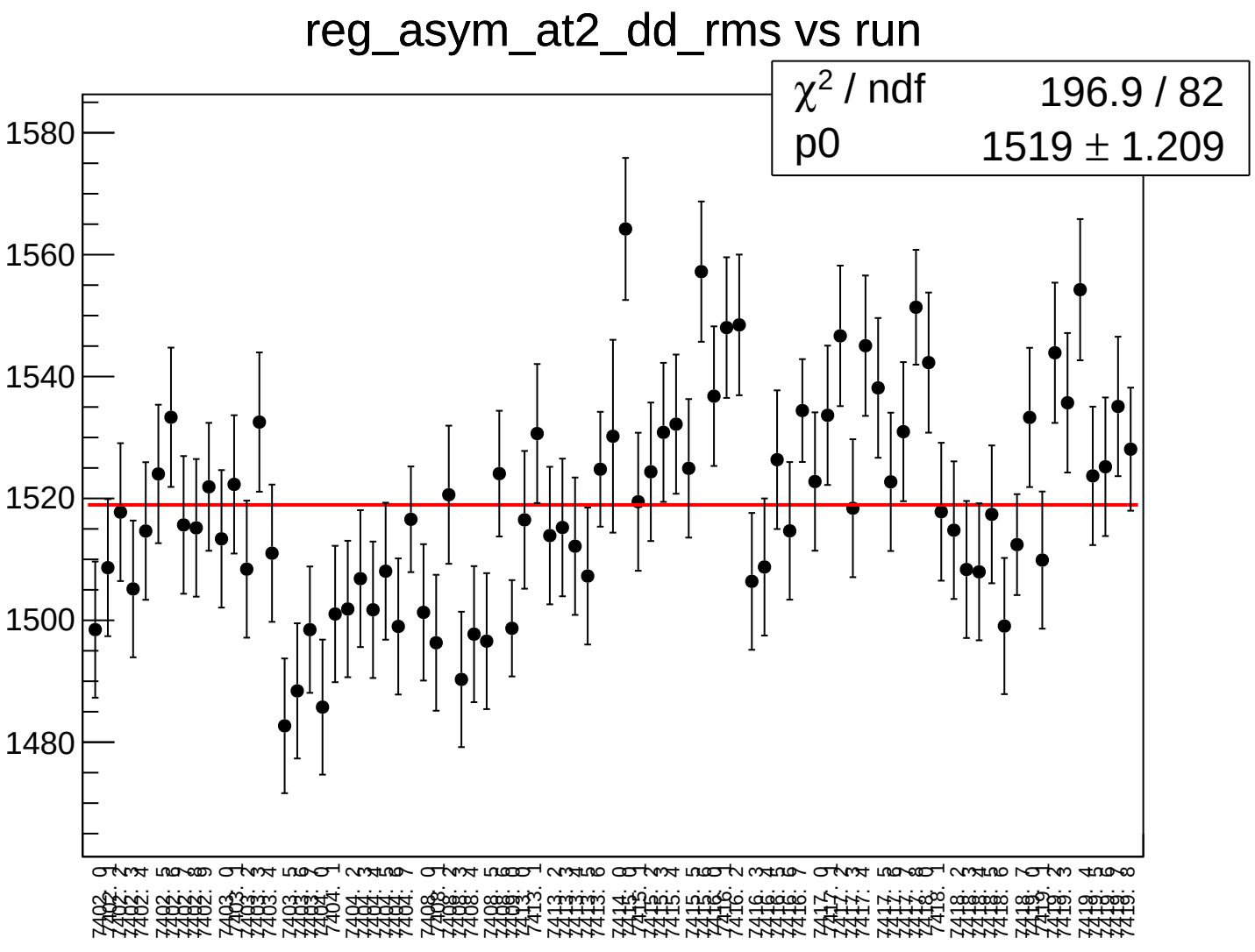

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.03 / 82
p0 −2.294e−14 ± 6.775e−14
pull
Entries 83
Mean 13.69
Std Dev 0

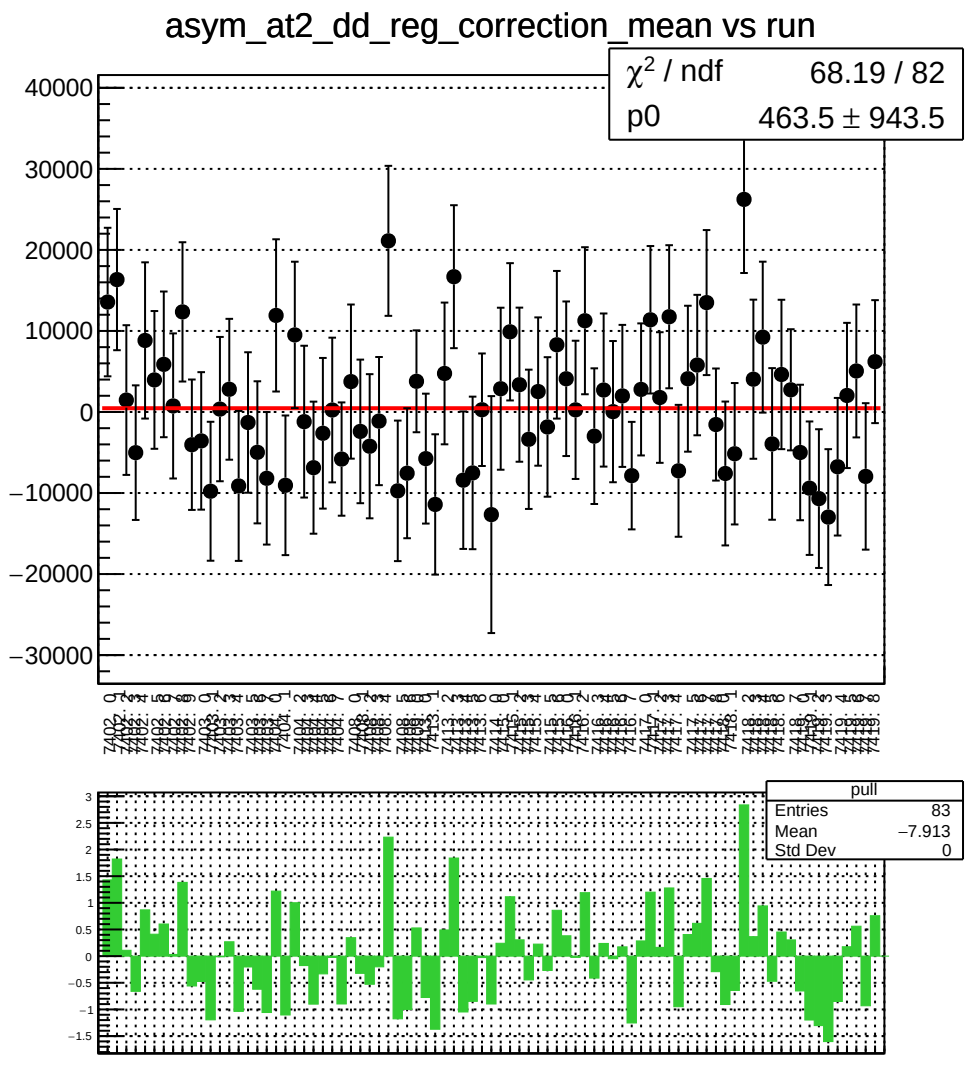

pull1D
Entries 83
Mean 0.07779
Std Dev 0.9283

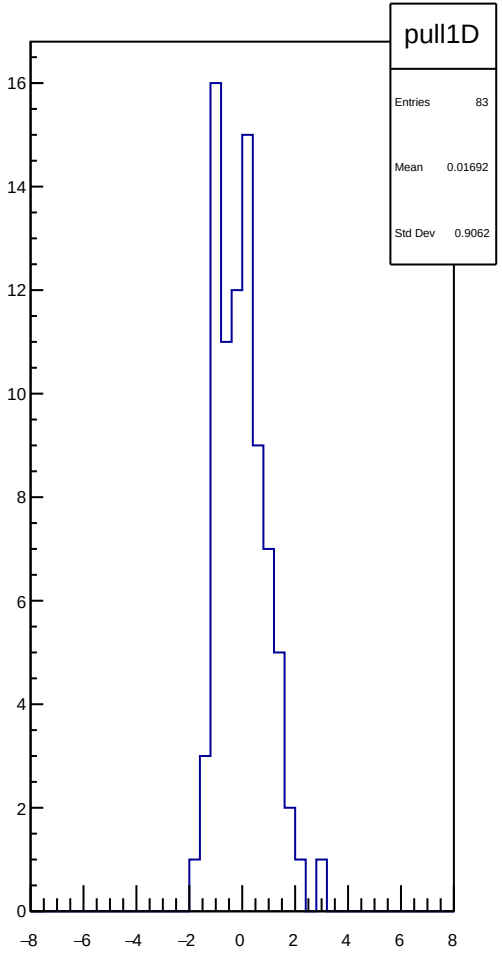

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.898e+05 / 82
p0 4.999e−11 ± 4.791e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

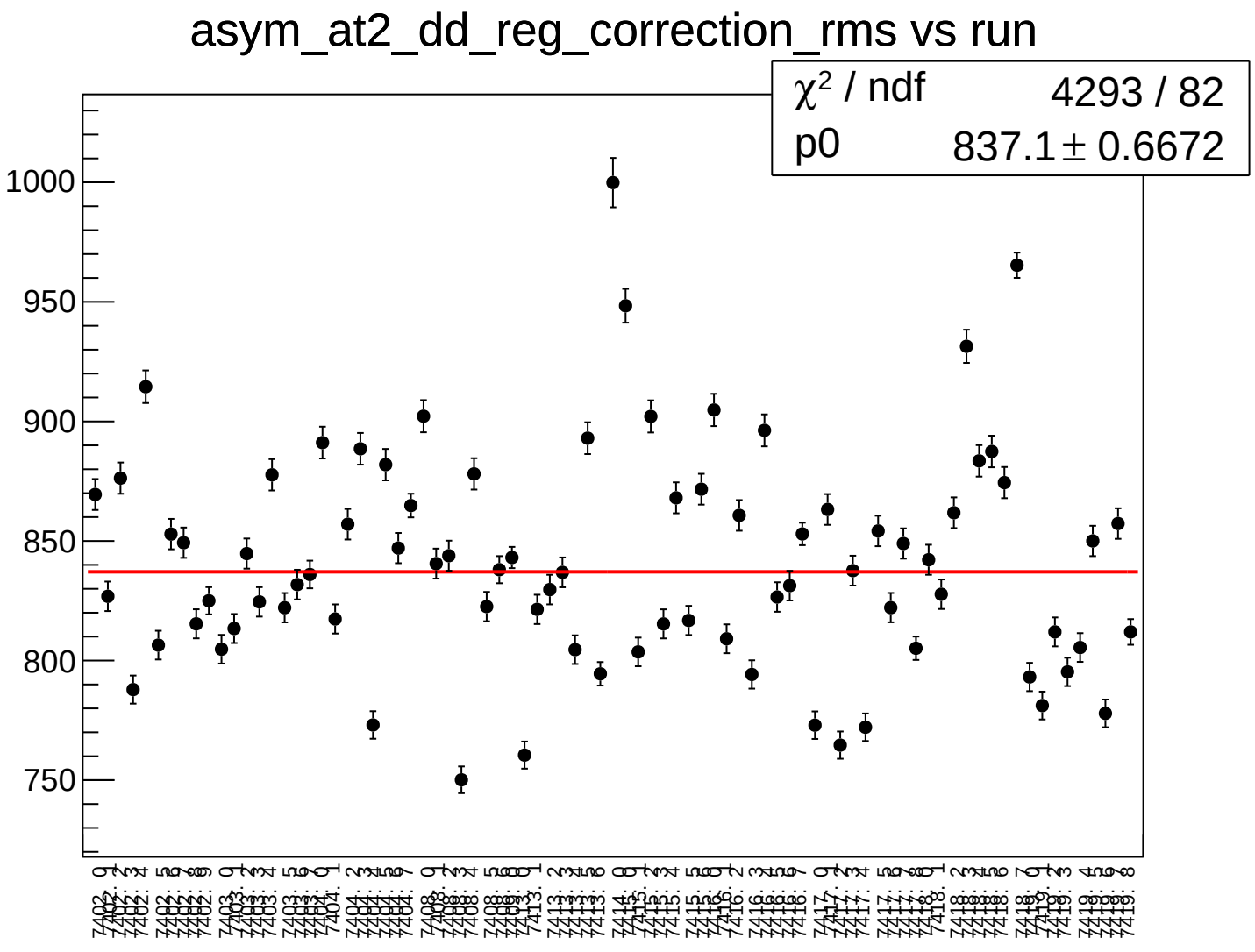

reg_asym_at2_dd_mean vs run
χ² / ndf 91.06 / 82
p0 2140 ± 1710
pull
Entries 83
Mean 3438
Std Dev 0

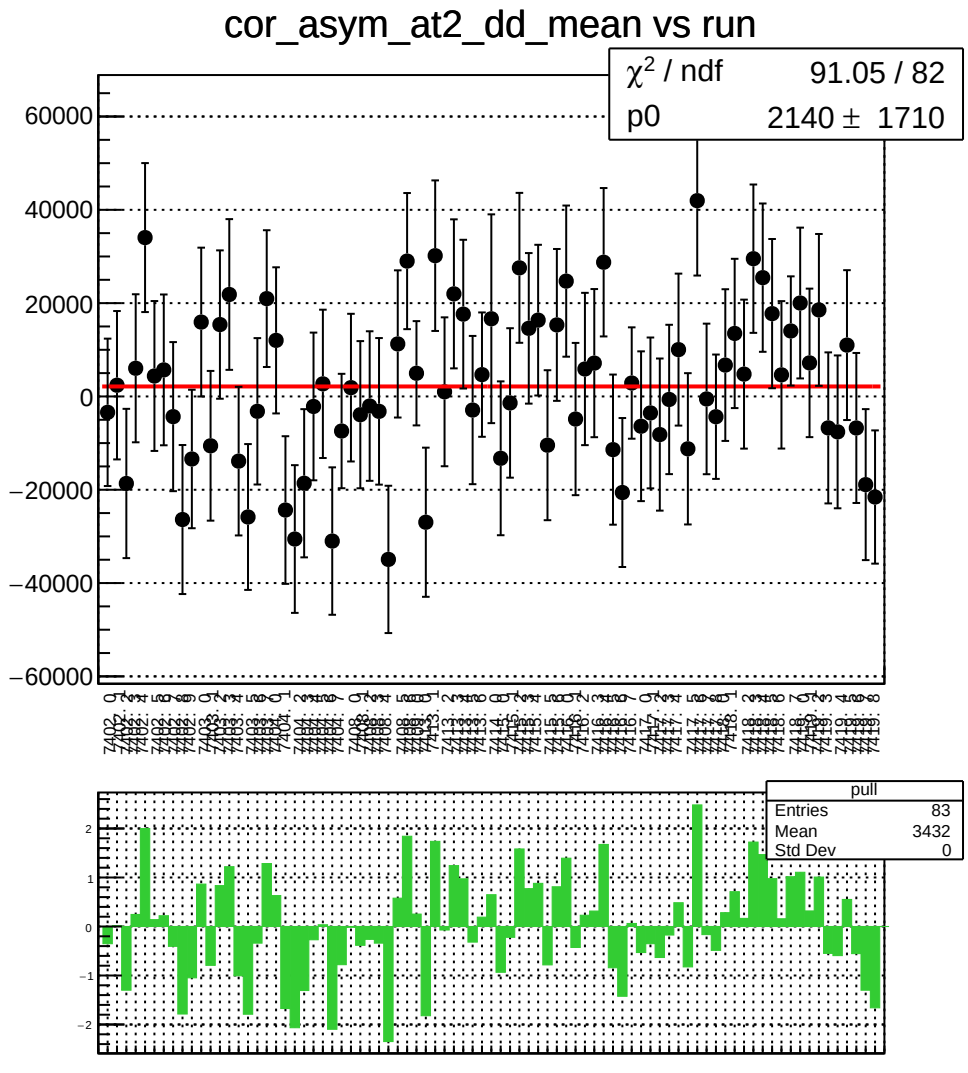

pull1D
Entries 83
Mean 0.001219
Std Dev 1.047

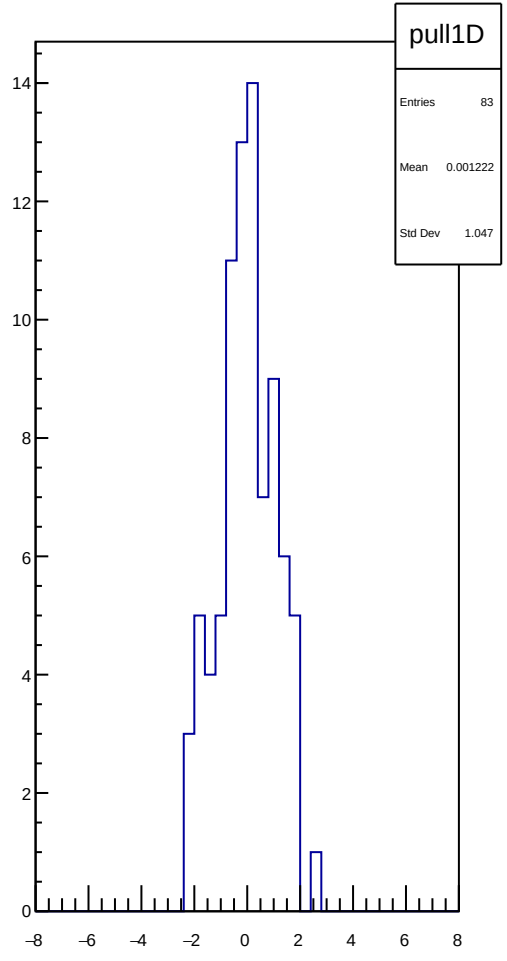

reg_asym_at2_dd_rms vs run
χ² / ndf 196.9 / 82
p0 1519 ± 1.209
1580
1560
1540
1520
1500
1480

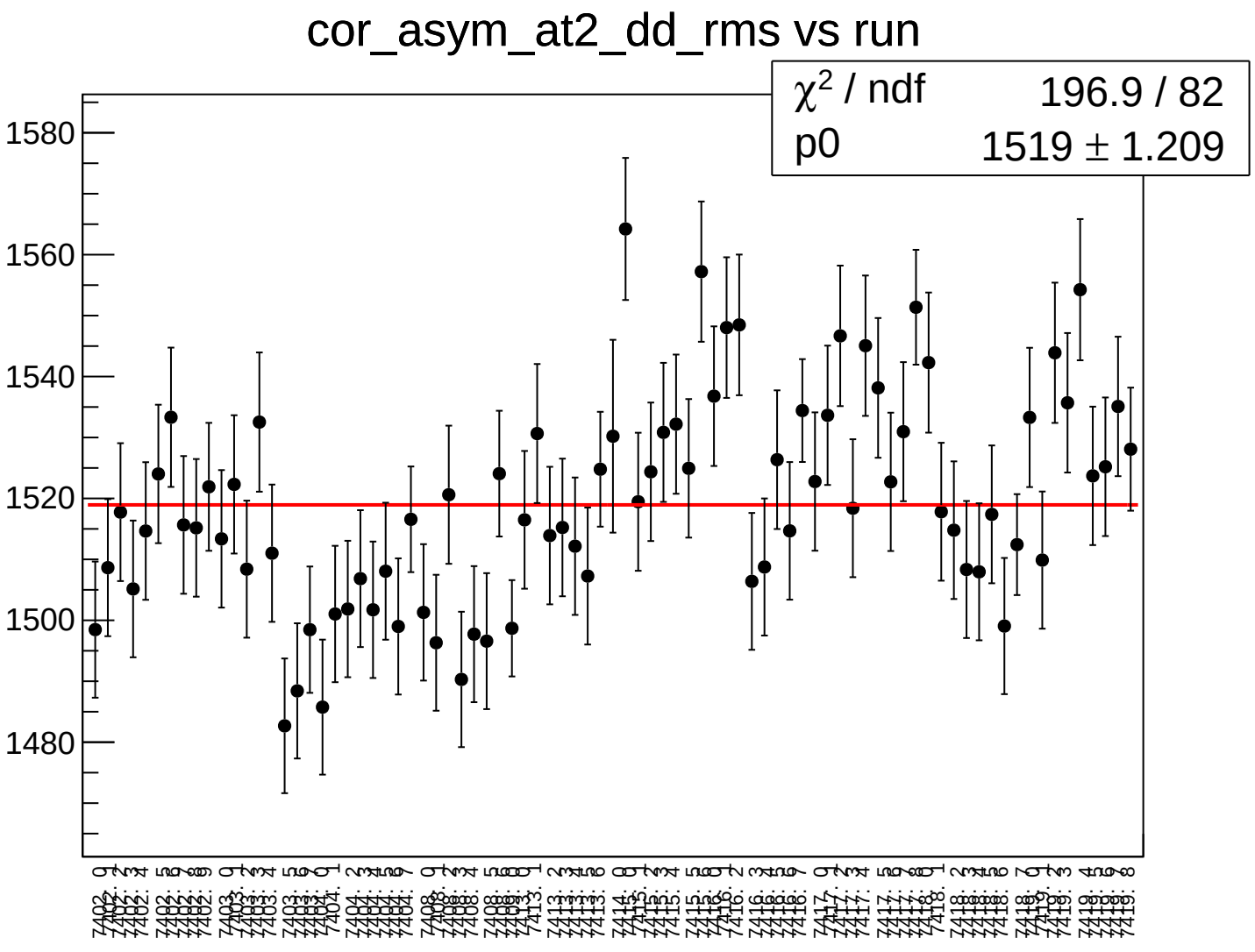

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 68.19 / 82
p0 463.5 ± 943.5
pull
Entries 83
Mean −7.913
Std Dev 0

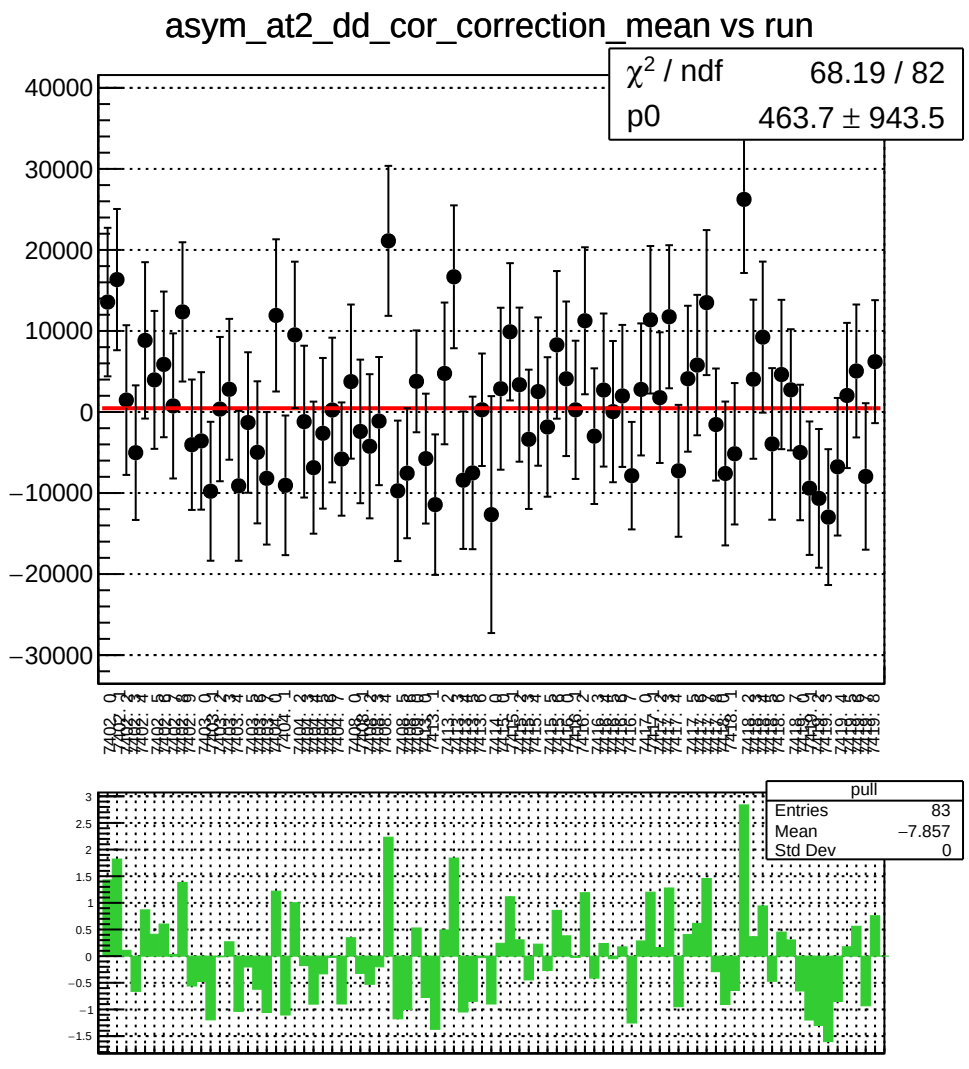

pull1D
Entries 83
Mean 0.01692
Std Dev 0.9062

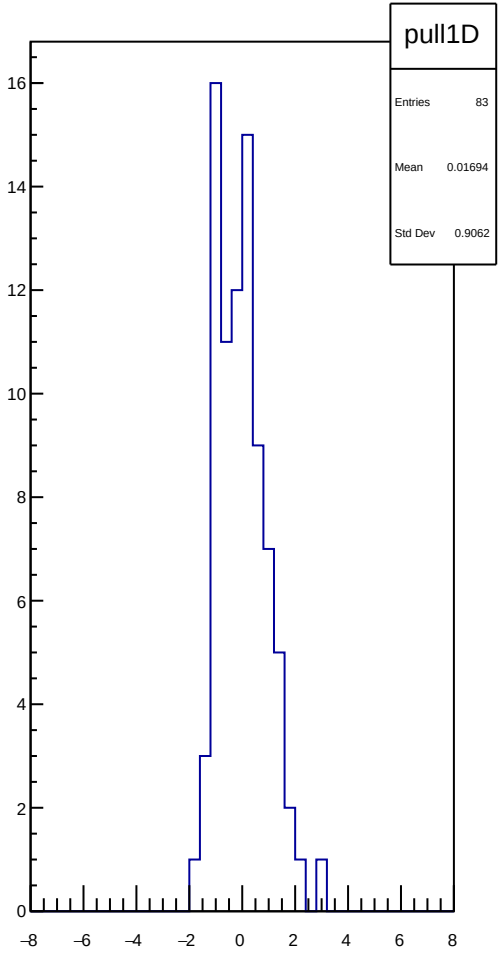

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 4293 / 82
p0 837.1 ± 0.6672
1000
950
900
850
800
750

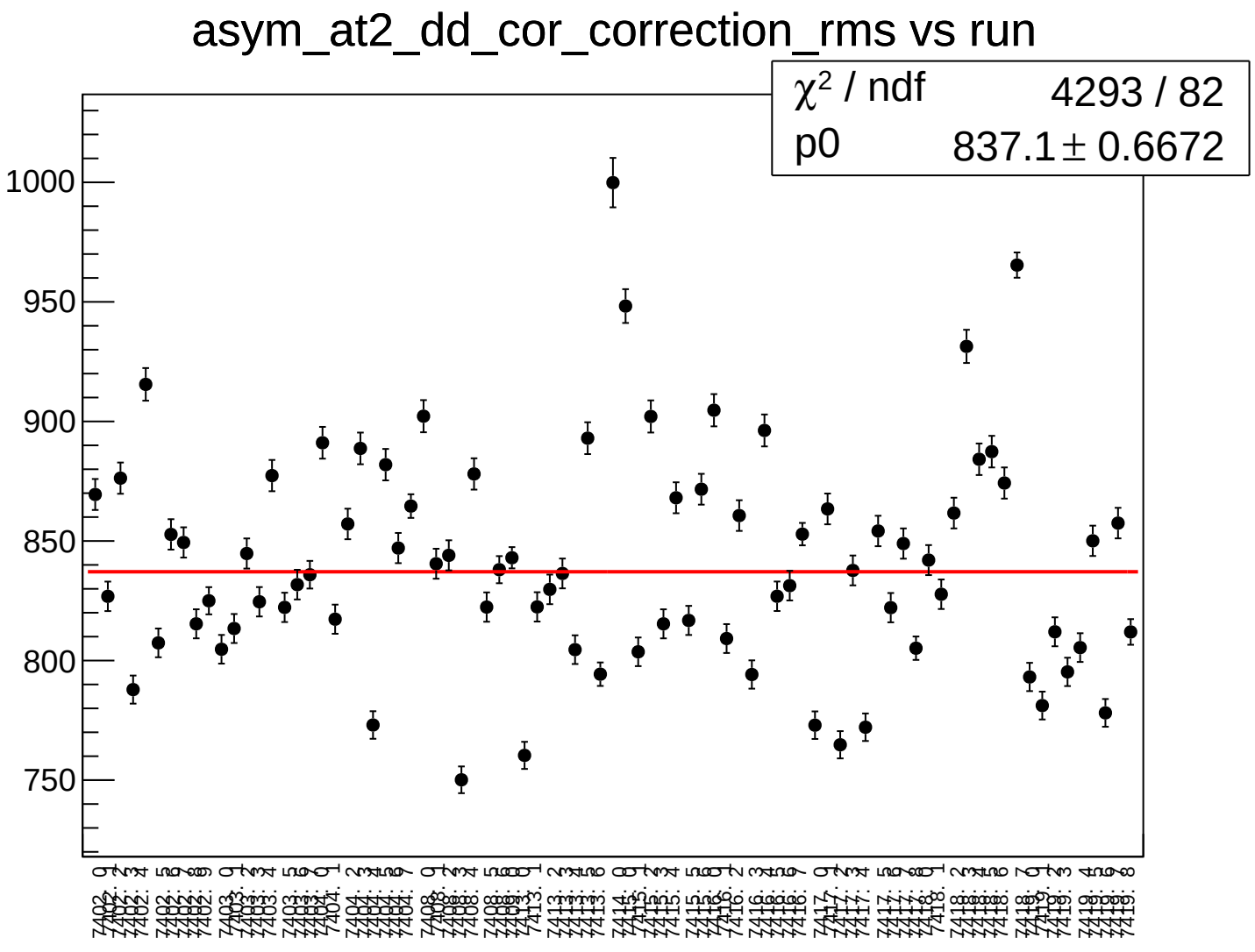

cor_asym_at2_dd_mean vs run
χ^2 / ndf 91.05 / 82
p0 2140 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 3432
Std Dev 0
2
1
0
−1
−2

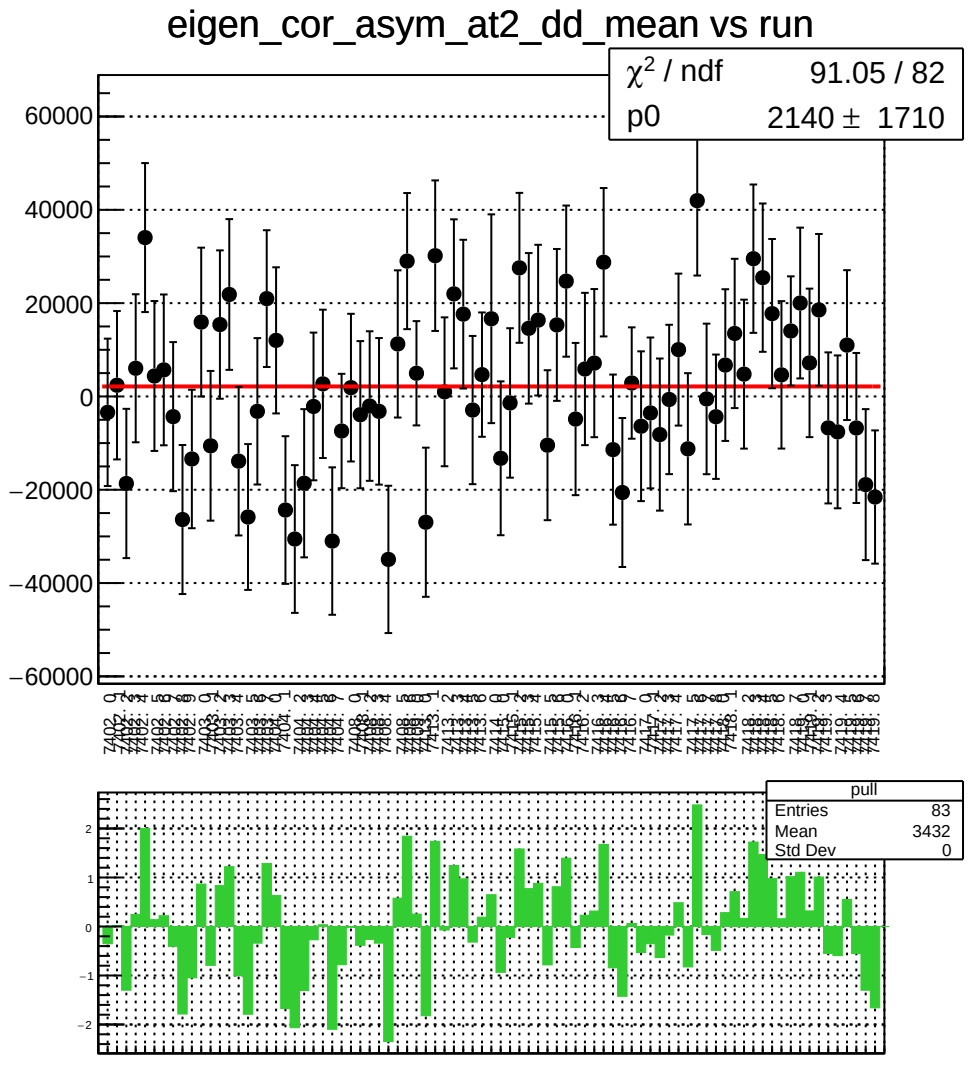

pull1D
Entries 83
Mean 0.001222
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

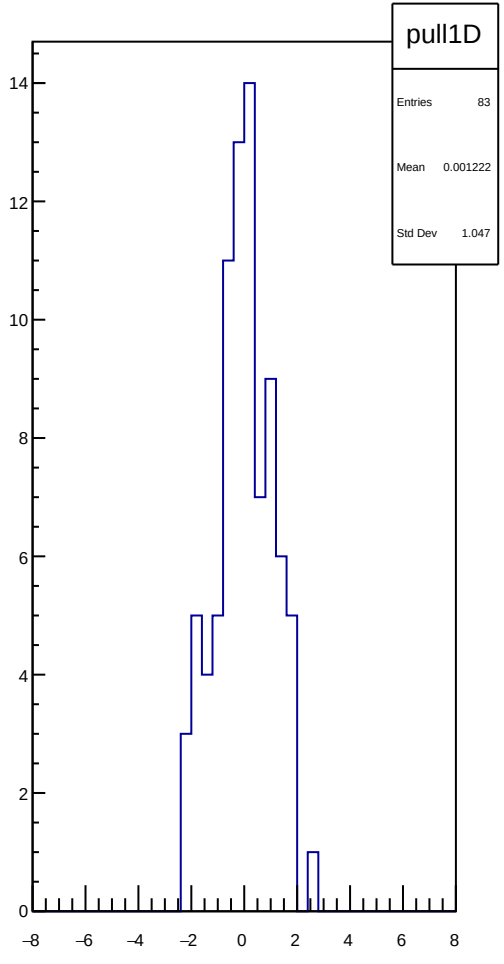

cor_asym_at2_dd_rms vs run
χ² / ndf 196.9 / 82
p0 1519 ± 1.209
1580
1560
1540
1520
1500
1480

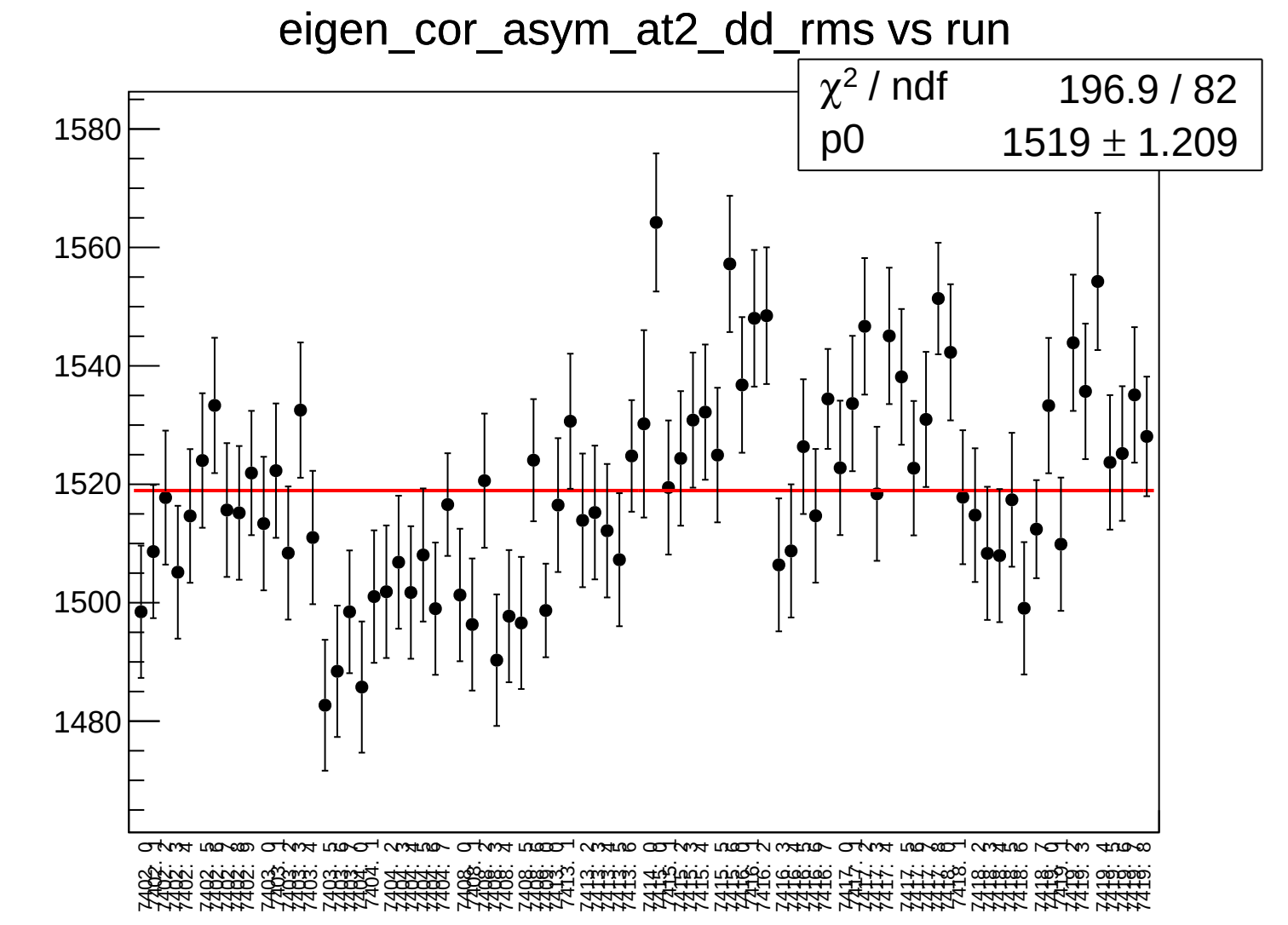

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 68.19 / 82
p0 463.7 ± 943.5
pull
Entries 83
Mean −7.857
Std Dev 0

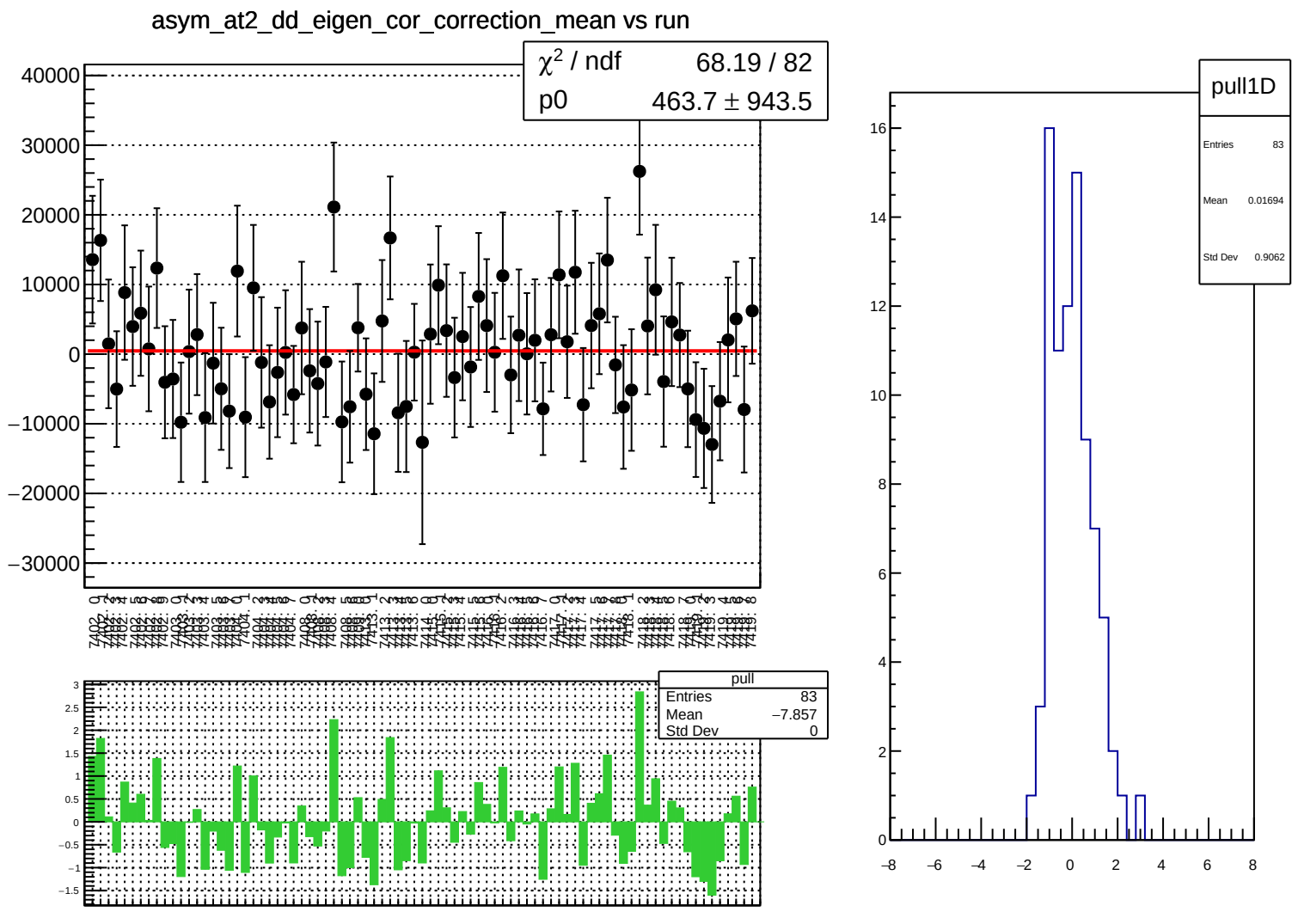

pull1D
Entries 83
Mean 0.01694
Std Dev 0.9062

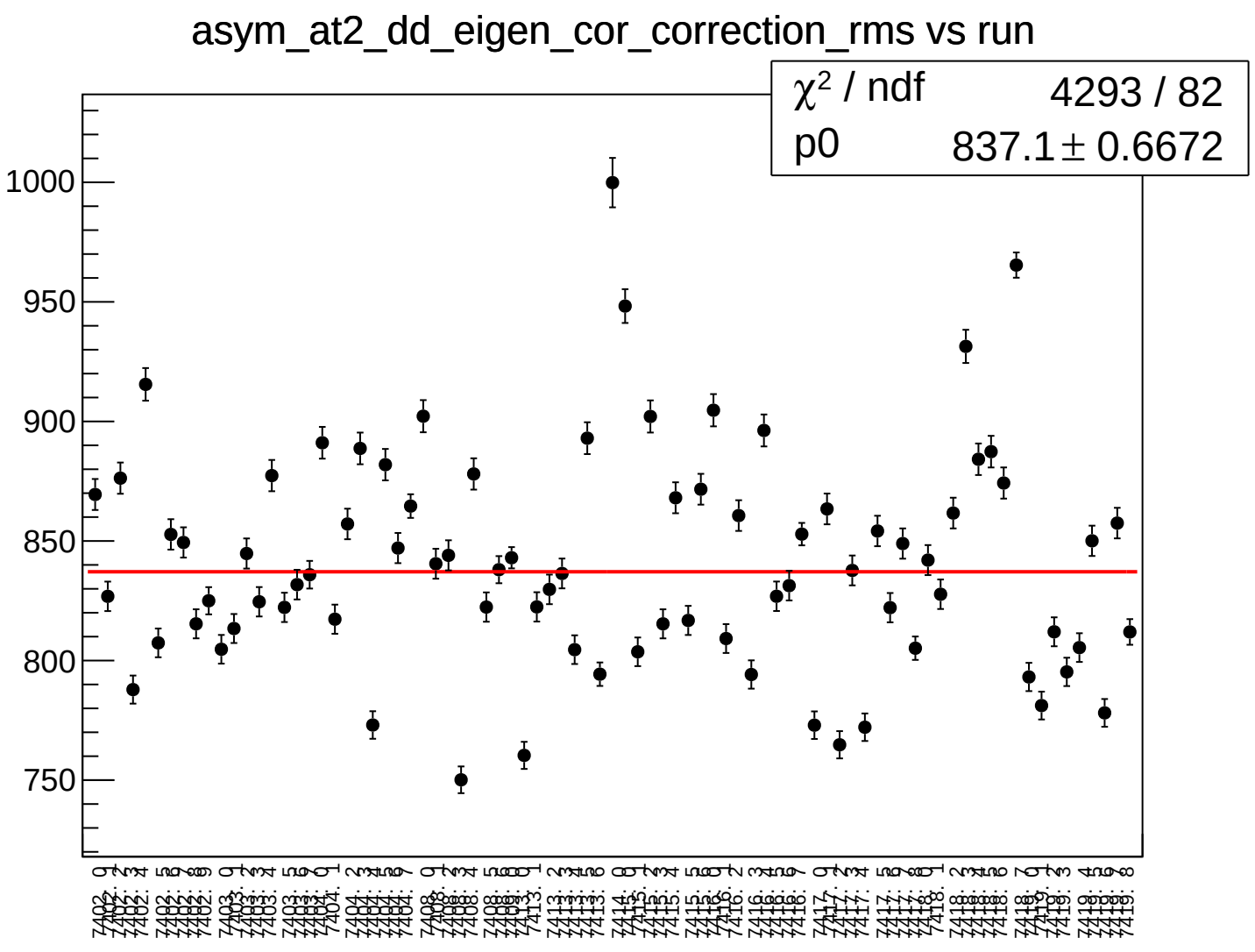

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 4293 / 82
p0 837.1 ± 0.6672
1000
950
900
850
800
750

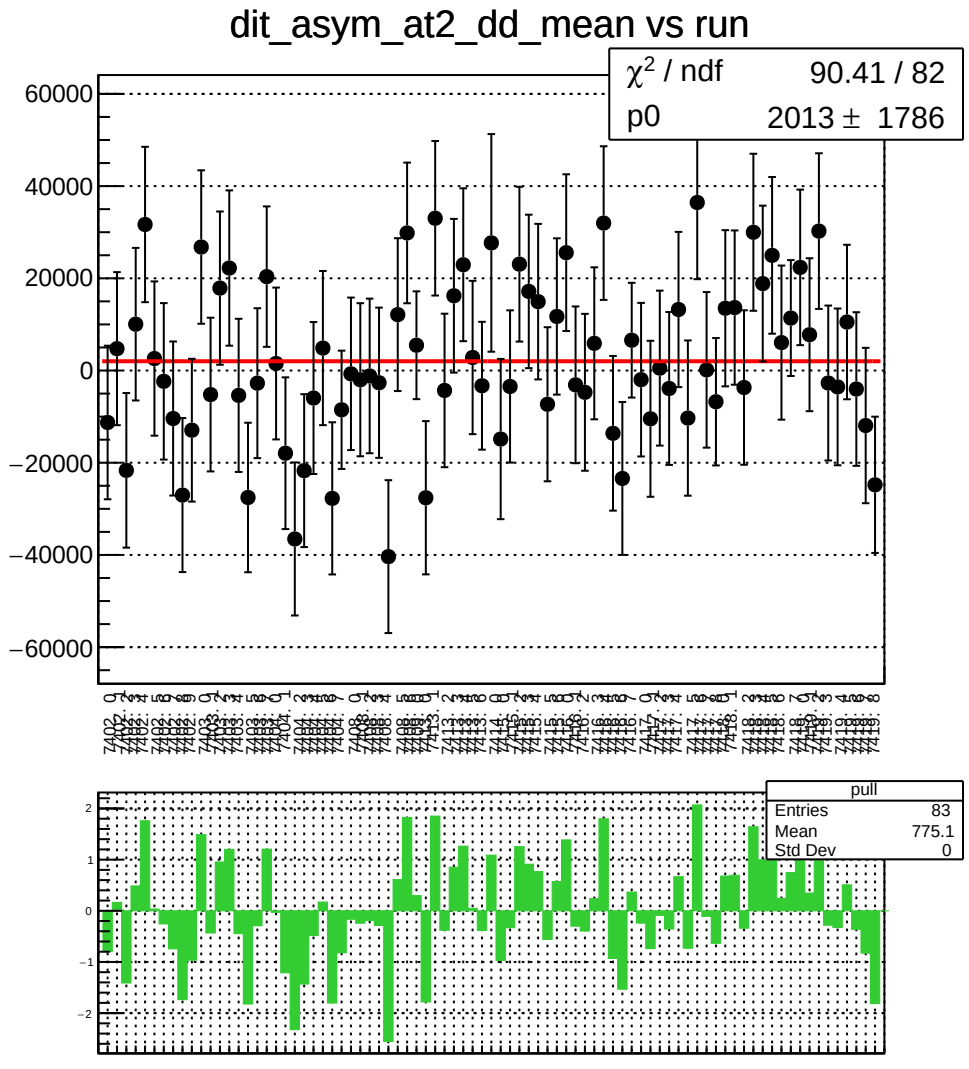

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 91.05 / 82
p0 2140 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 3432
Std Dev 0
2
1
0
−1
−2

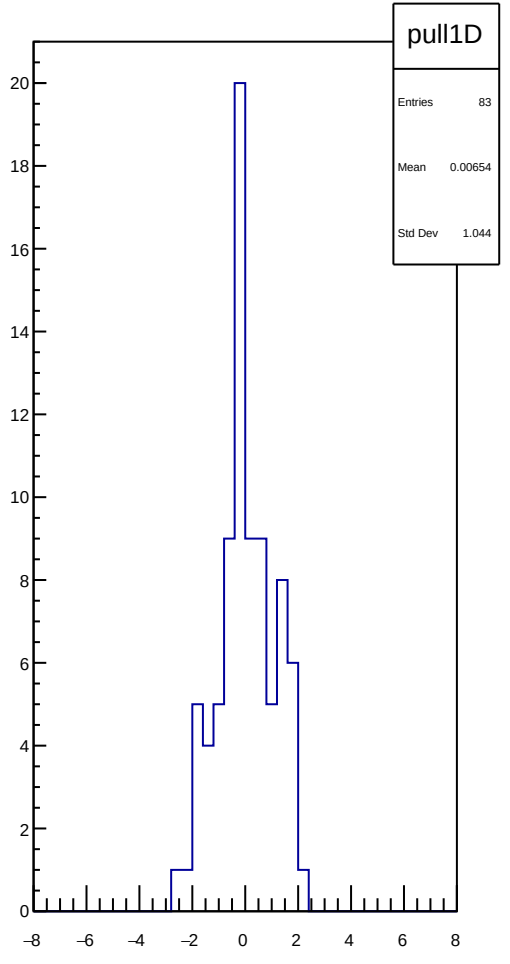

pull1D
Entries 83
Mean 0.001222
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

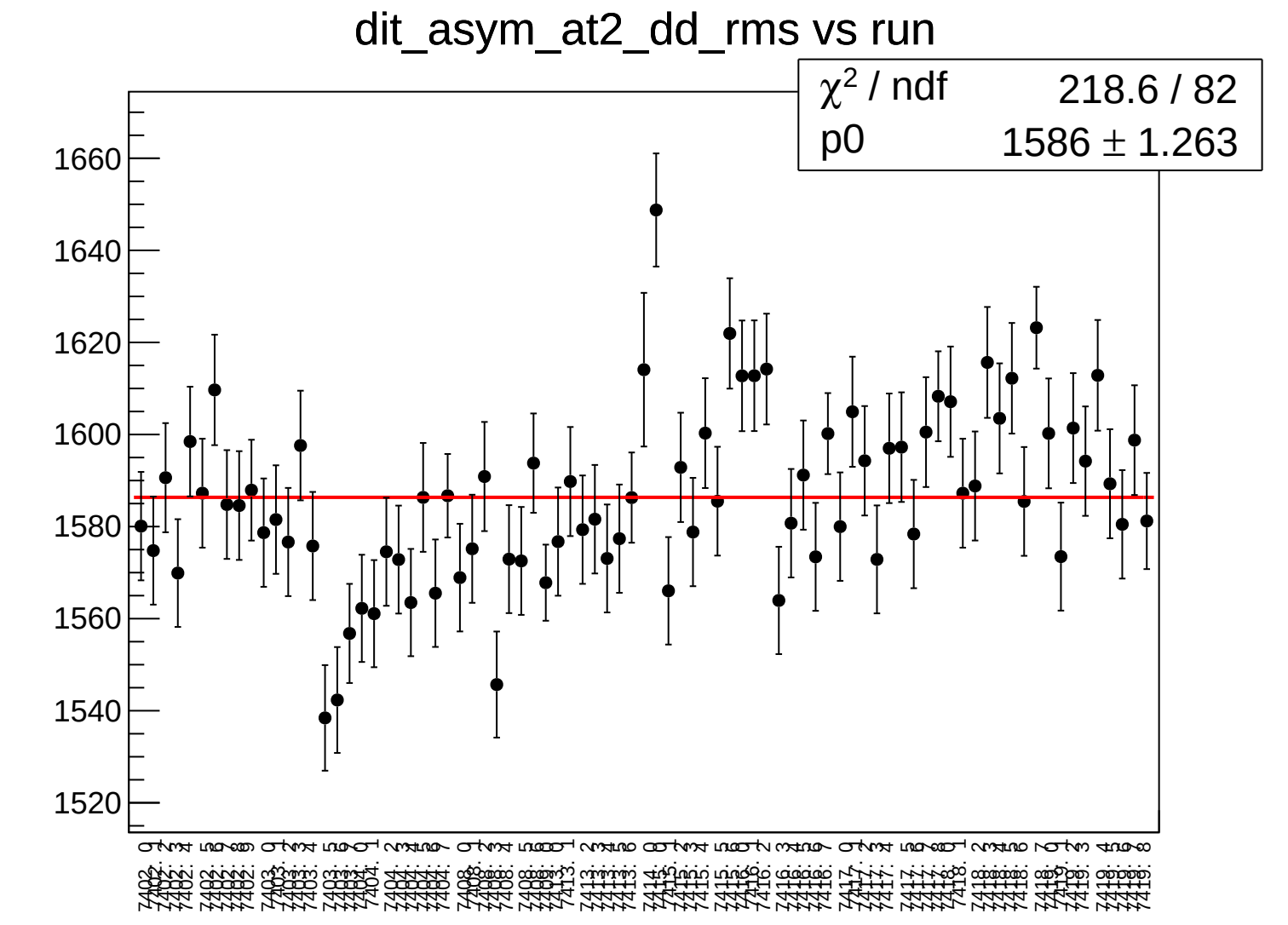

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 196.9 / 82
p0 1519 ± 1.209
1580
1560
1540
1520
1500
1480

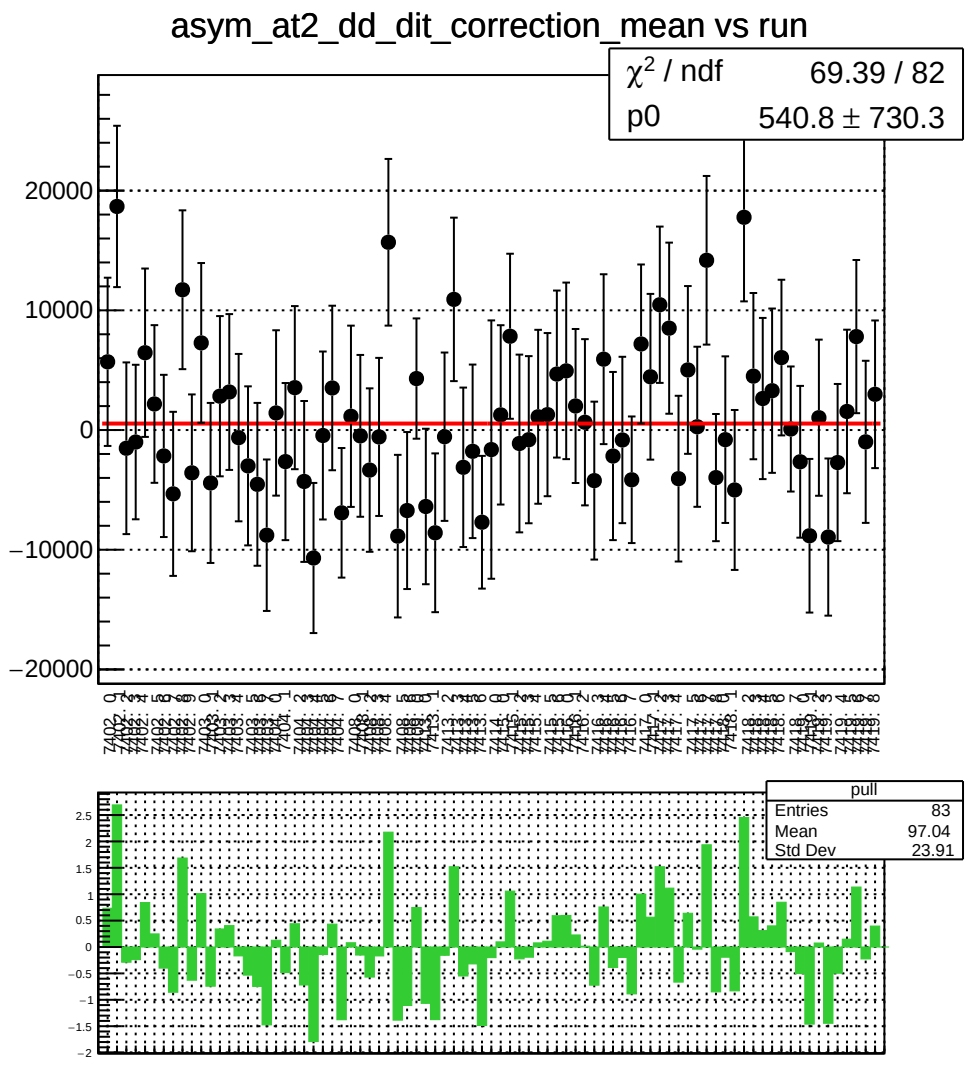

asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.19 / 82
p0 463.7 ± 943.5
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −7.857
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.01694
Std Dev 0.9062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

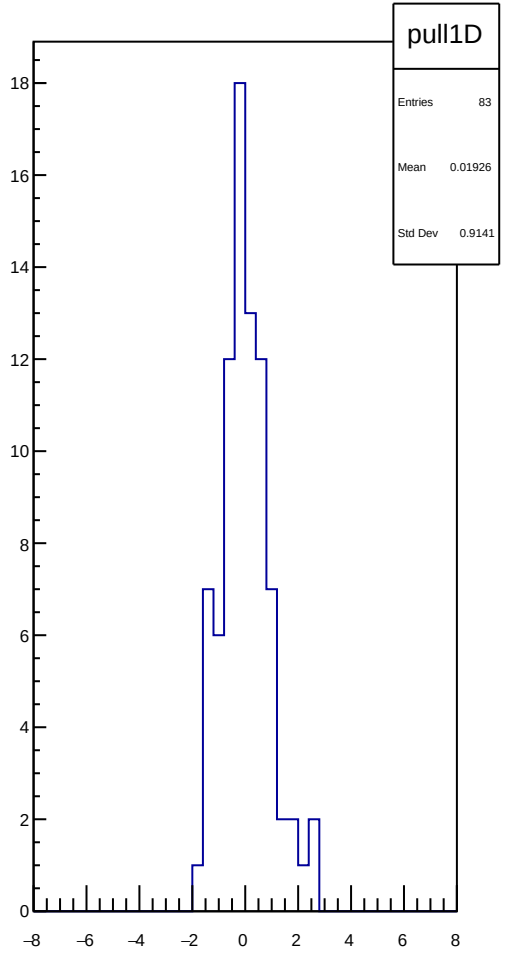

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4293 / 82
p0 837.1 ± 0.6672
1000
950
900
850
800
750

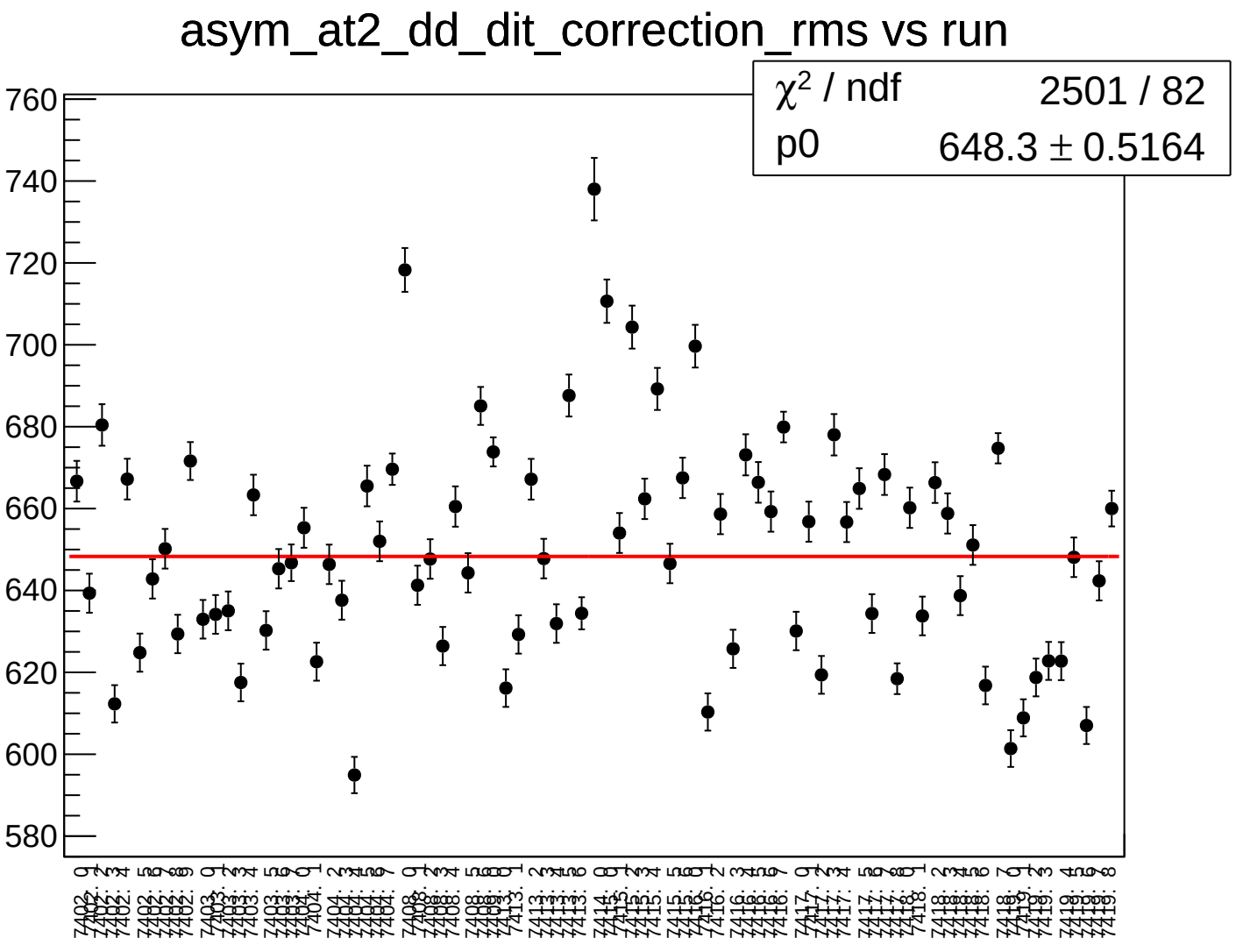

dit_asym_at2_dd_mean vs run
χ² / ndf 90.41 / 82
p0 2013 ± 1786
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 775.1
Std Dev 0
2
1
0
−1
−2

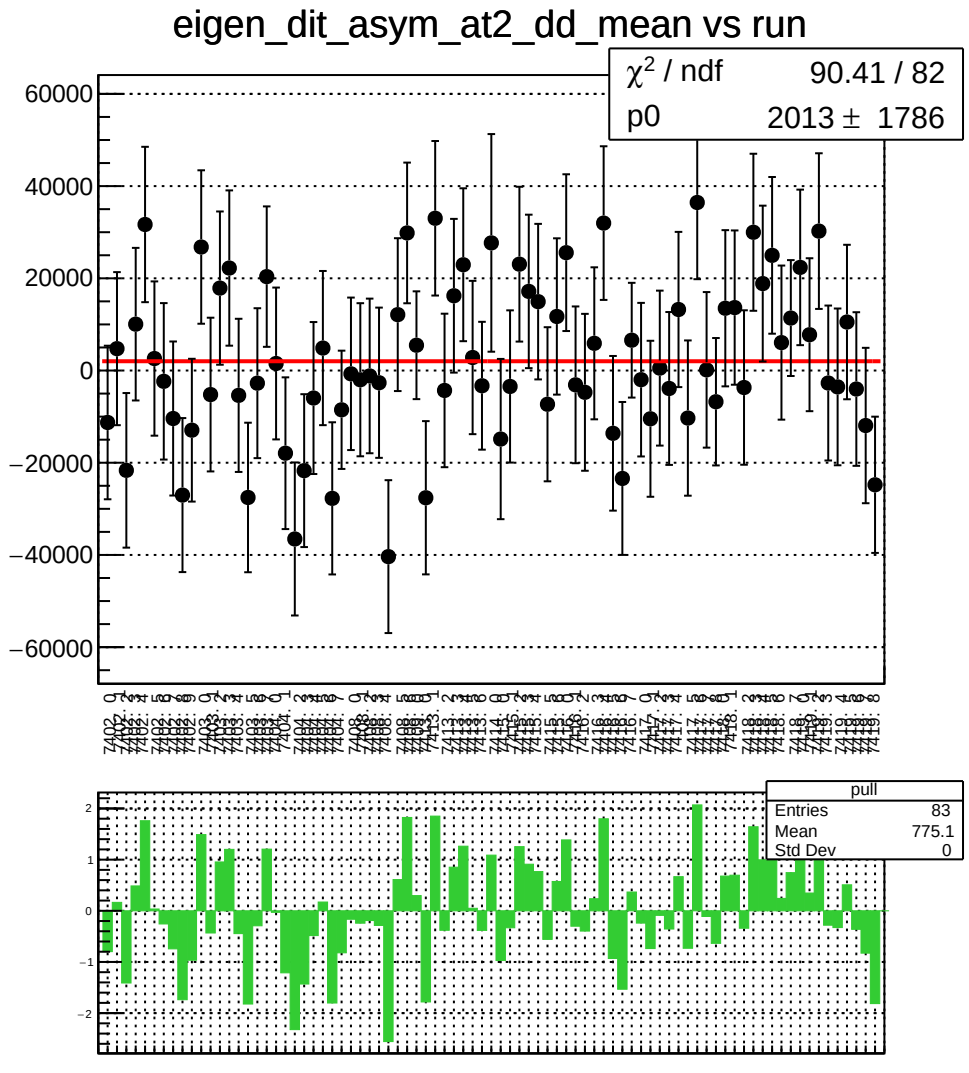

pull1D
Entries 83
Mean 0.00654
Std Dev 1.044
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

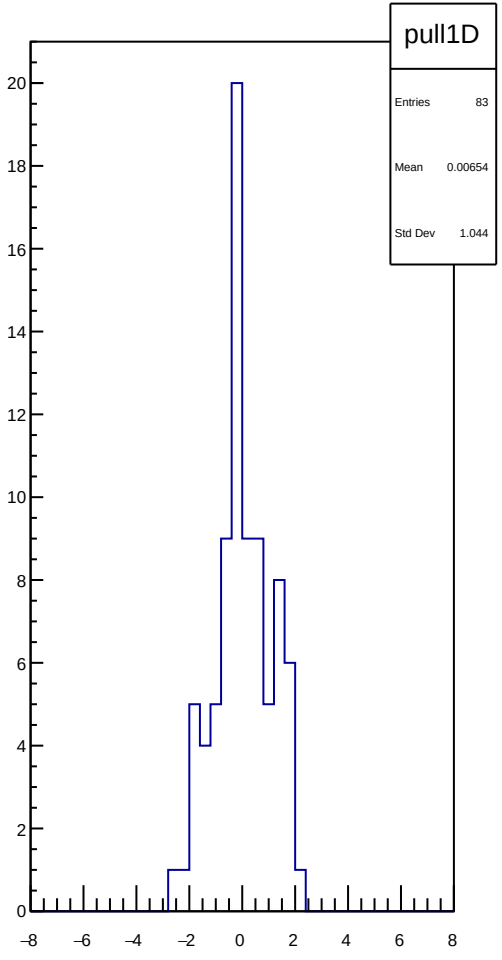

dit_asym_at2_dd_rms vs run
χ² / ndf 218.6 / 82
p0 1586 ± 1.263
1660
1640
1620
1600
1580
1560
1540
1520

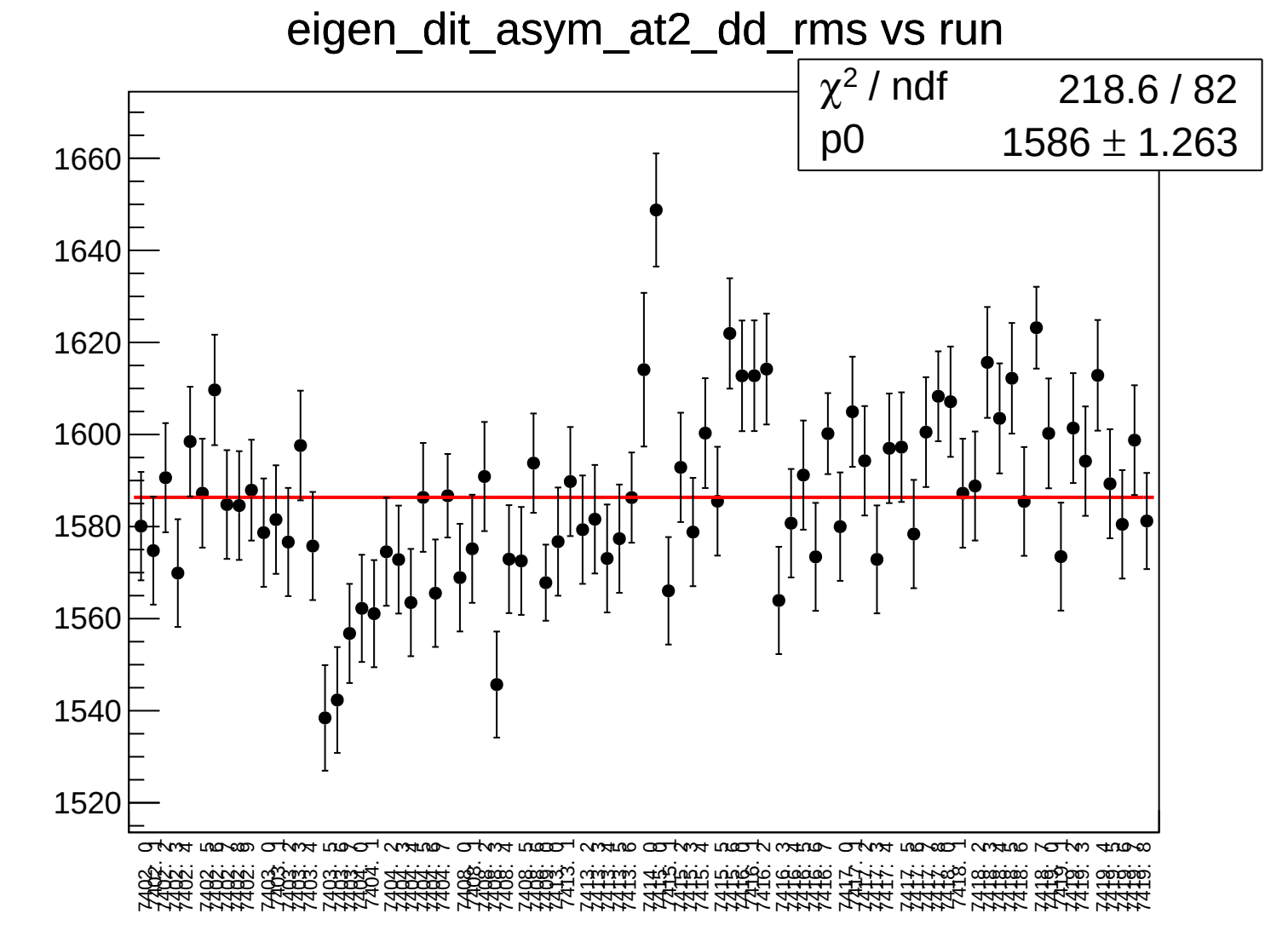

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 69.39 / 82
p0 540.8 ± 730.3
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 97.04
Std Dev 23.91
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

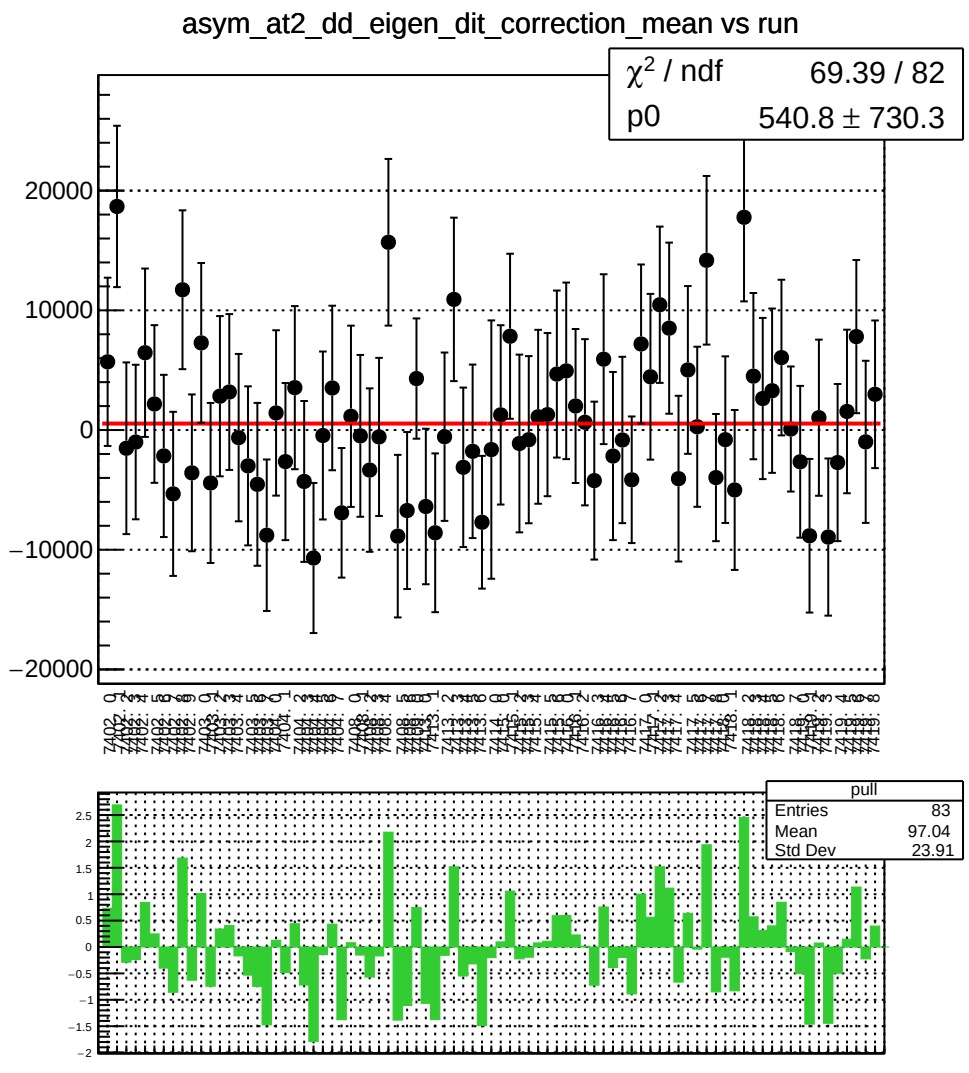

pull1D
Entries 83
Mean 0.01926
Std Dev 0.9141
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

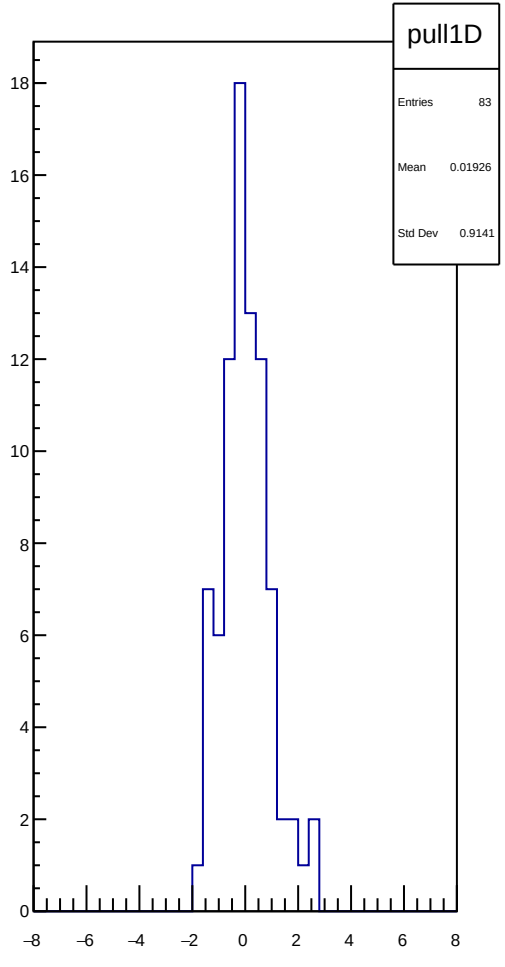

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 2501 / 82
p0 648.3 ± 0.5164
760
740
720
700
680
660
640
620
600
580

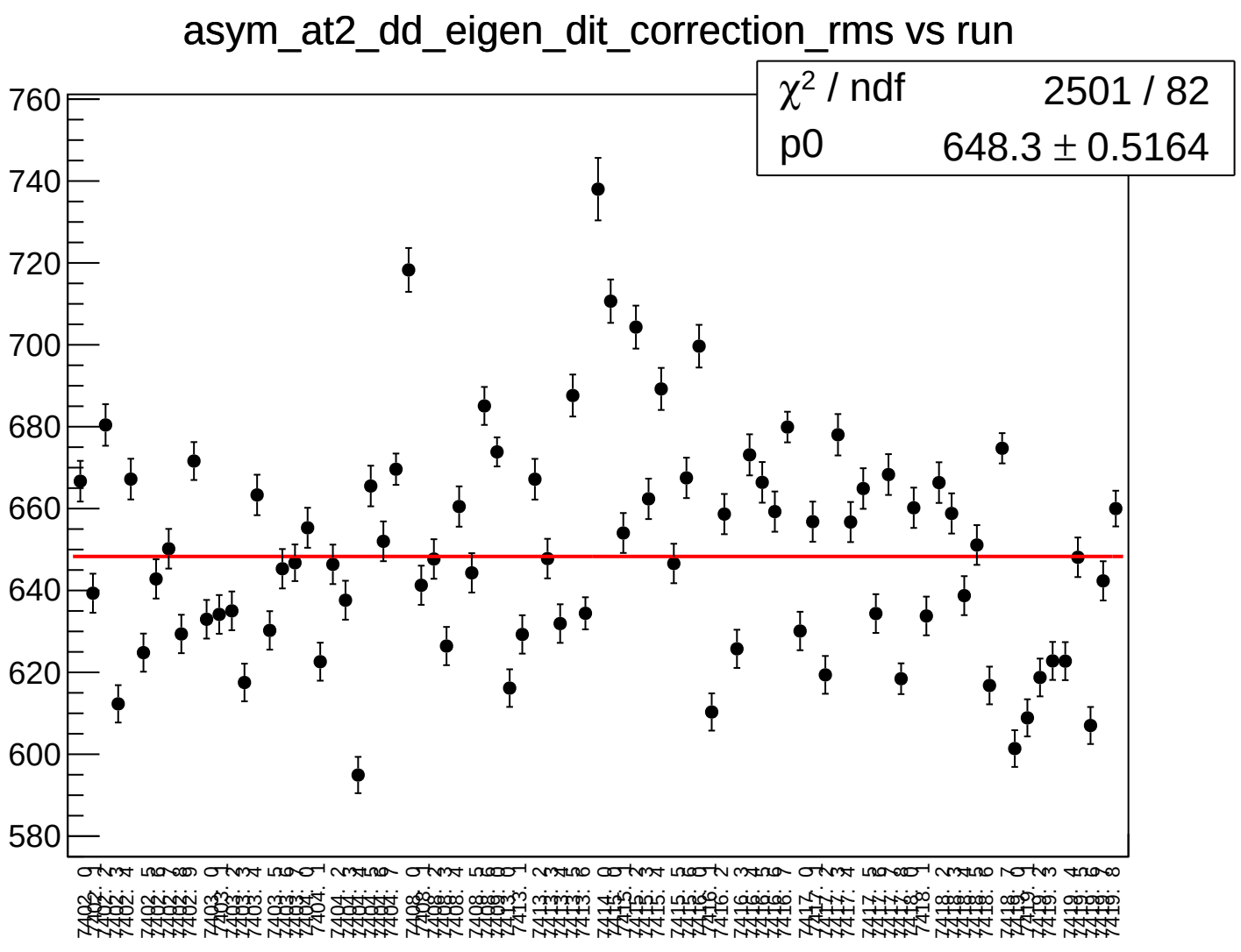

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 90.41 / 82
p0 2013 ± 1786
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 775.1
Std Dev 0
2
1
0
−1
−2

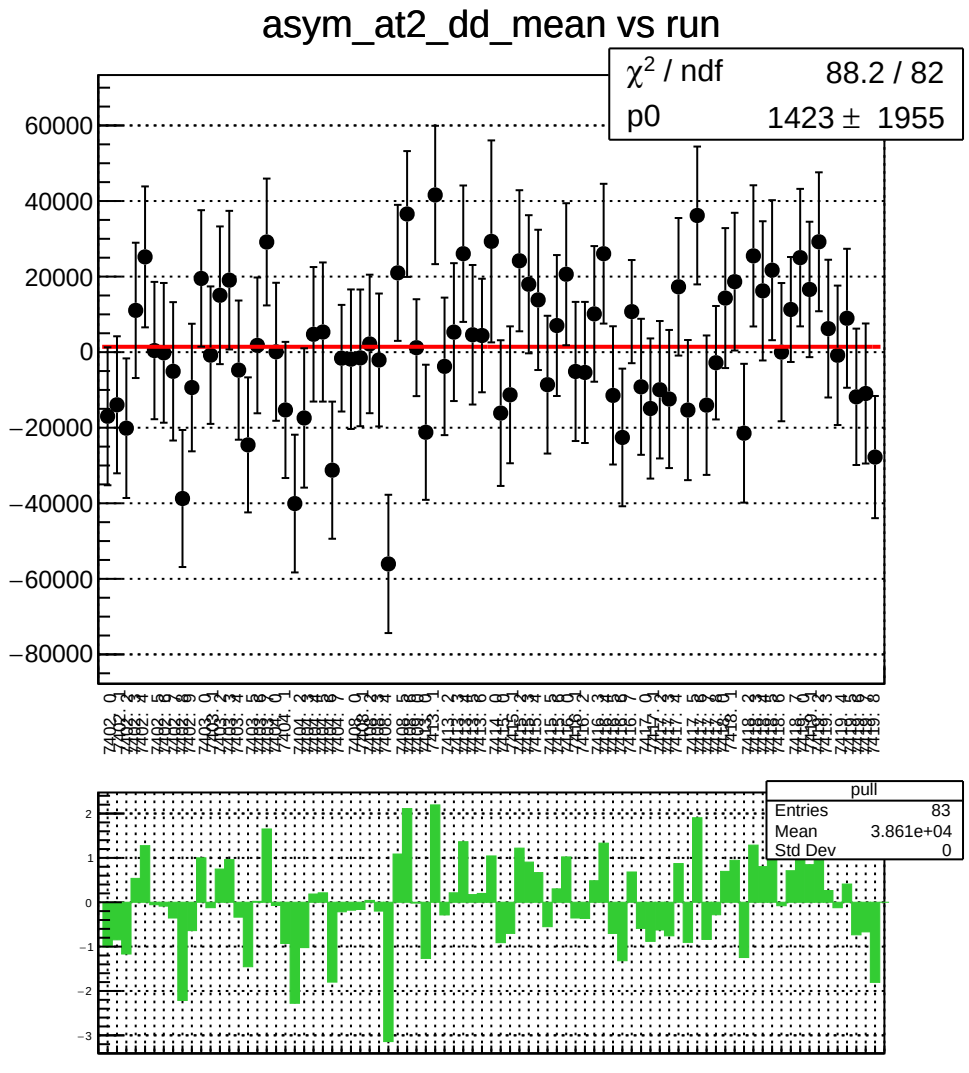

pull1D
Entries 83
Mean 0.00654
Std Dev 1.044
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

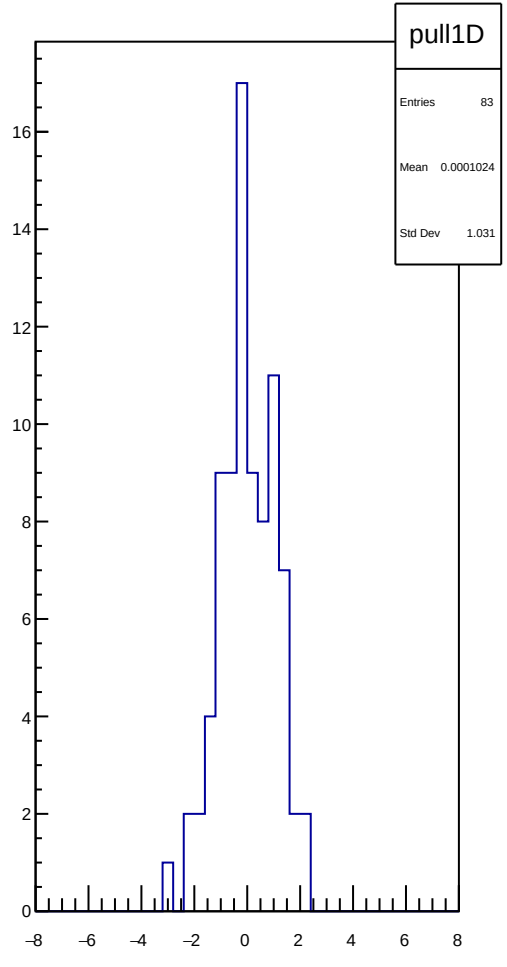

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 218.6 / 82
p0 1586 ± 1.263
1660
1640
1620
1600
1580
1560
1540
1520

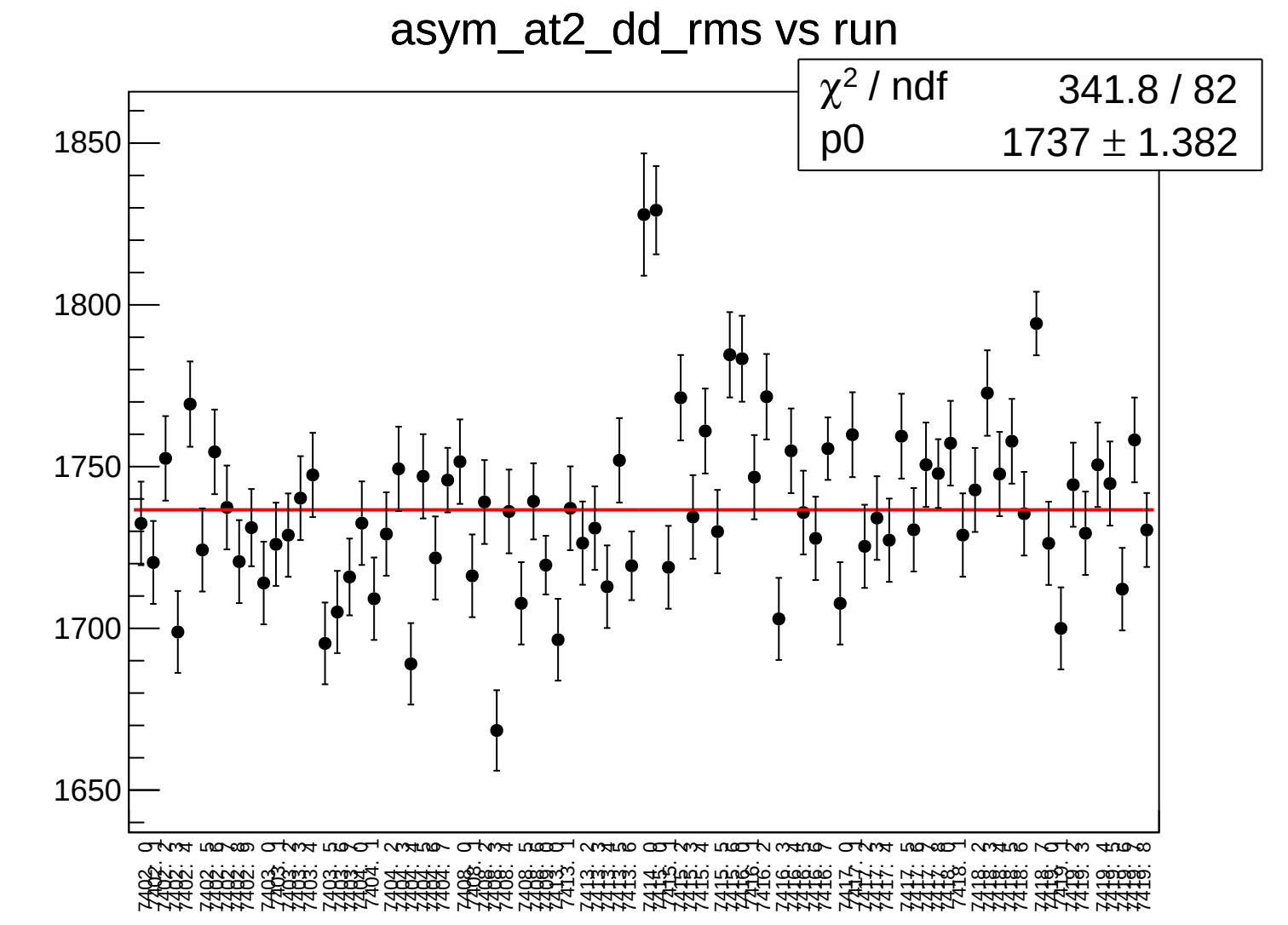

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.39 / 82
p0 540.8 ± 730.3
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 97.04
Std Dev 23.91
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

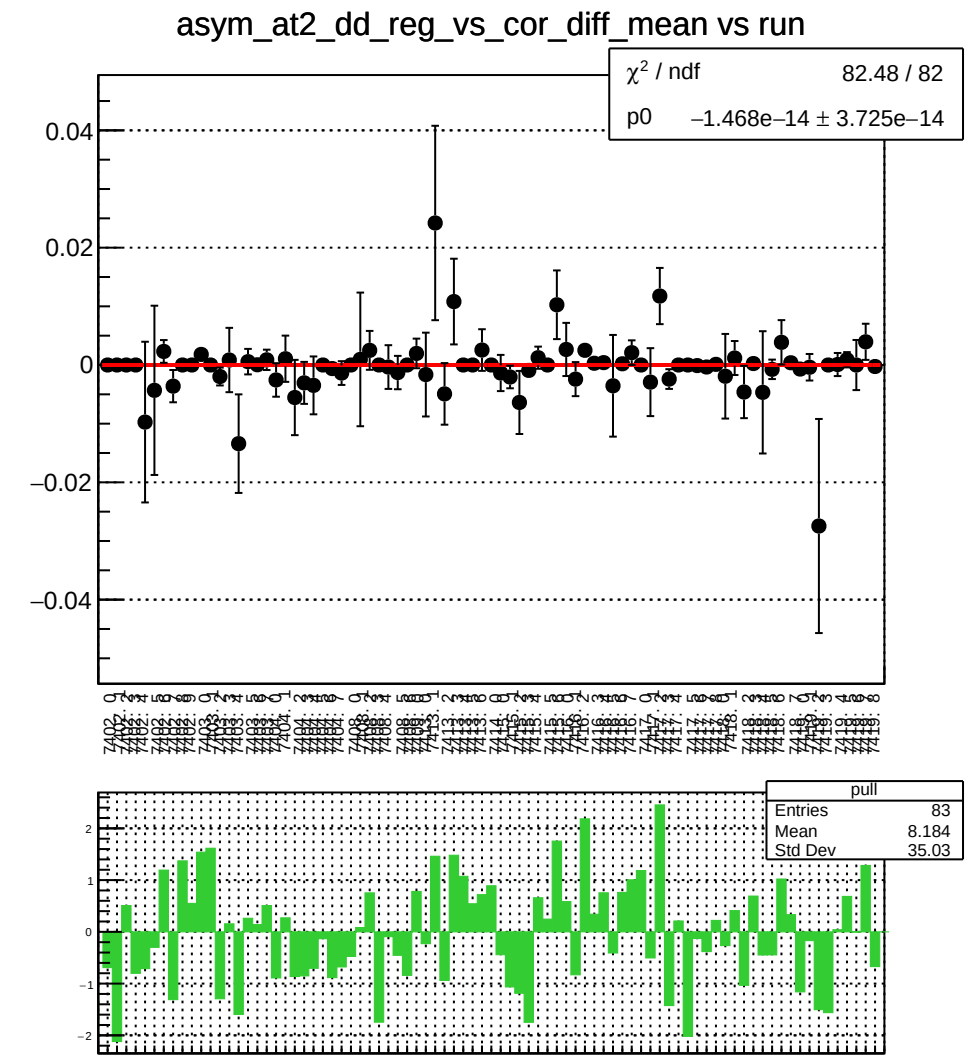

pull1D
Entries 83
Mean 0.01926
Std Dev 0.9141
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

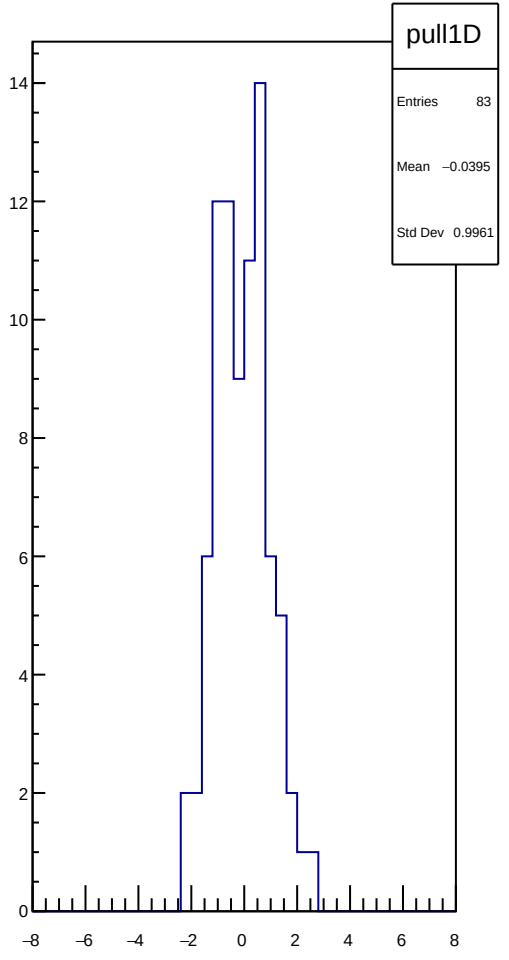

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2501 / 82
p0 648.3 ± 0.5164
760
740
720
700
680
660
640
620
600
580

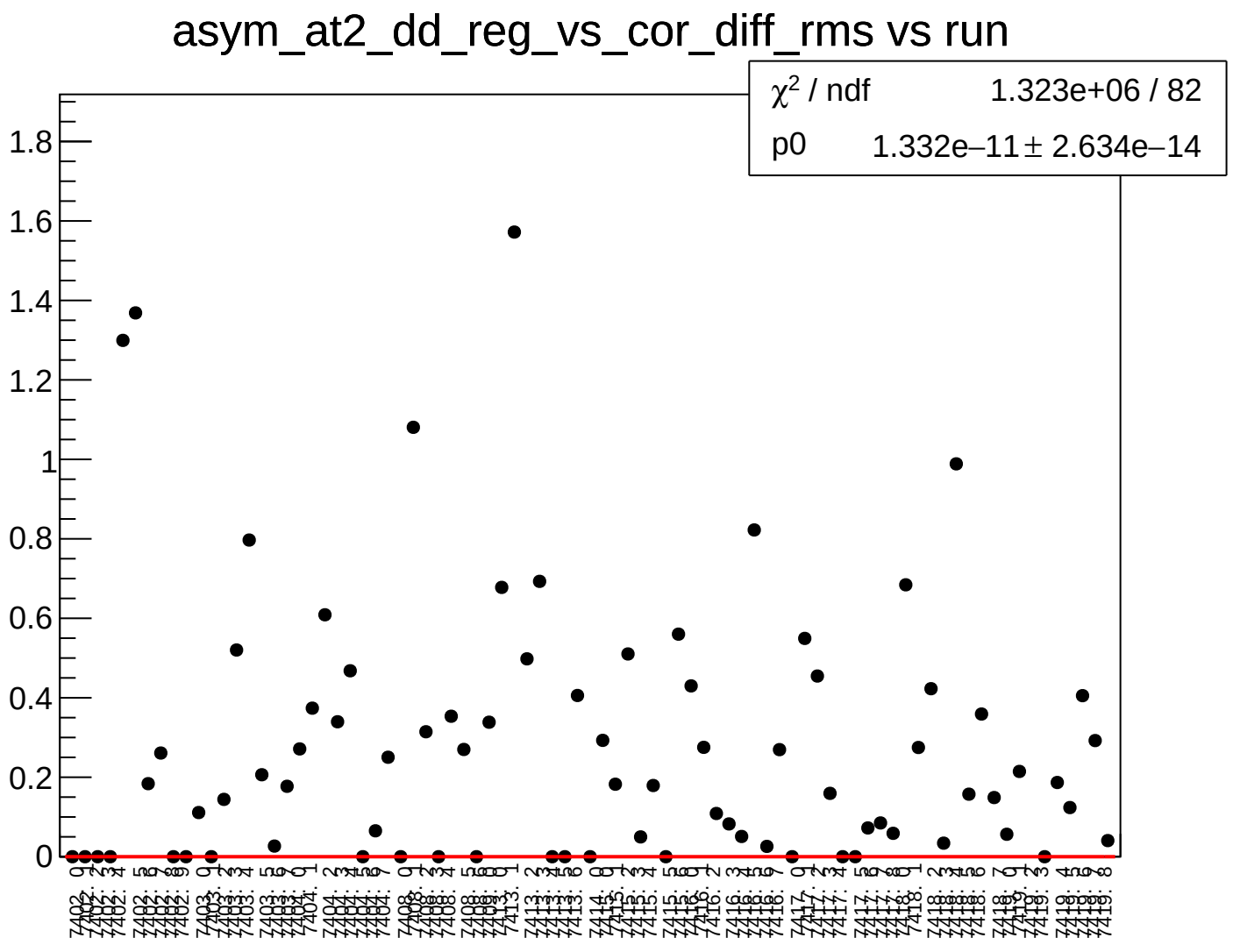

asym_at2_dd_mean vs run
χ² / ndf 88.2 / 82
p0 1423 ± 1955
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 3.861e+04
Std Dev 0
2
1
0
−1
−2
−3

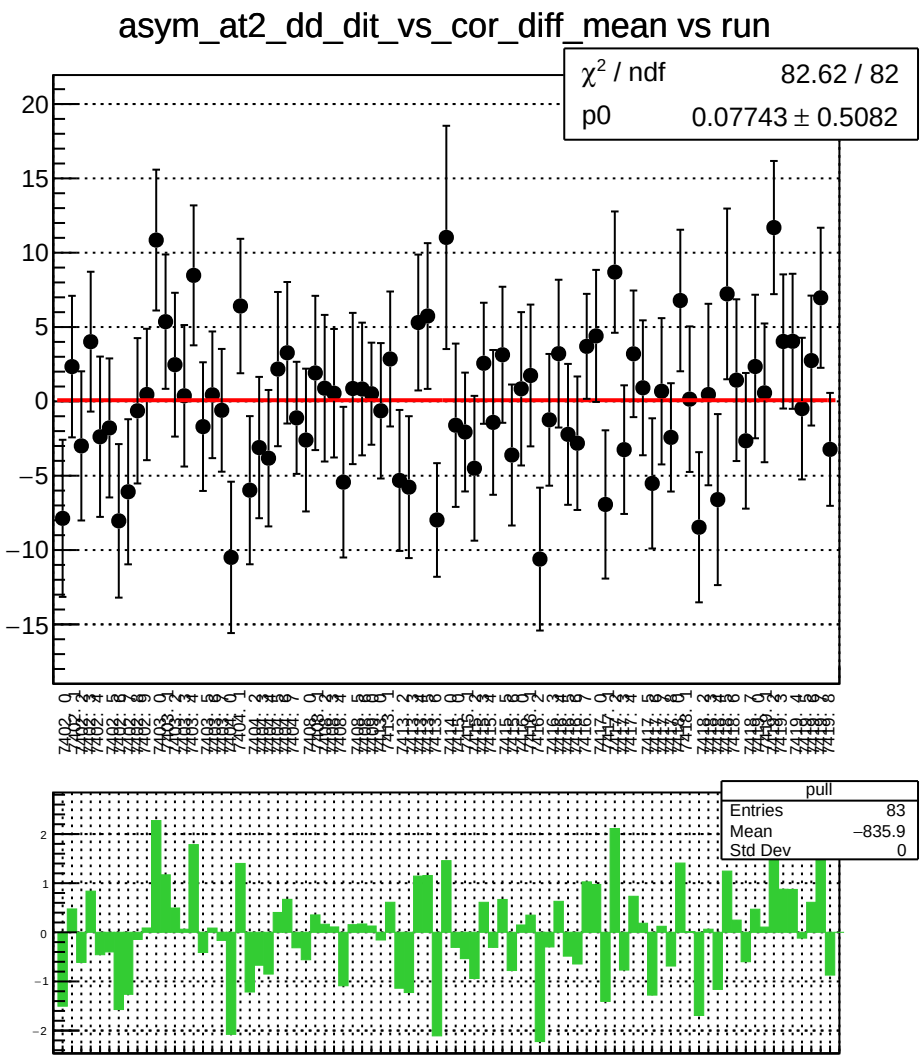

pull1D
Entries 83
Mean 0.0001024
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

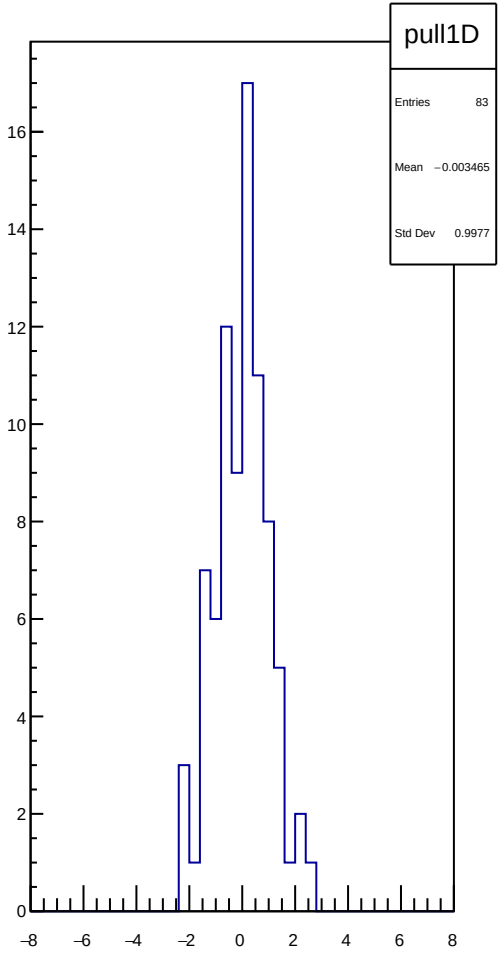

asym_at2_dd_rms vs run
χ^2 / ndf 341.8 / 82
p0 1737 ± 1.382
1850
1800
1750
1700
1650

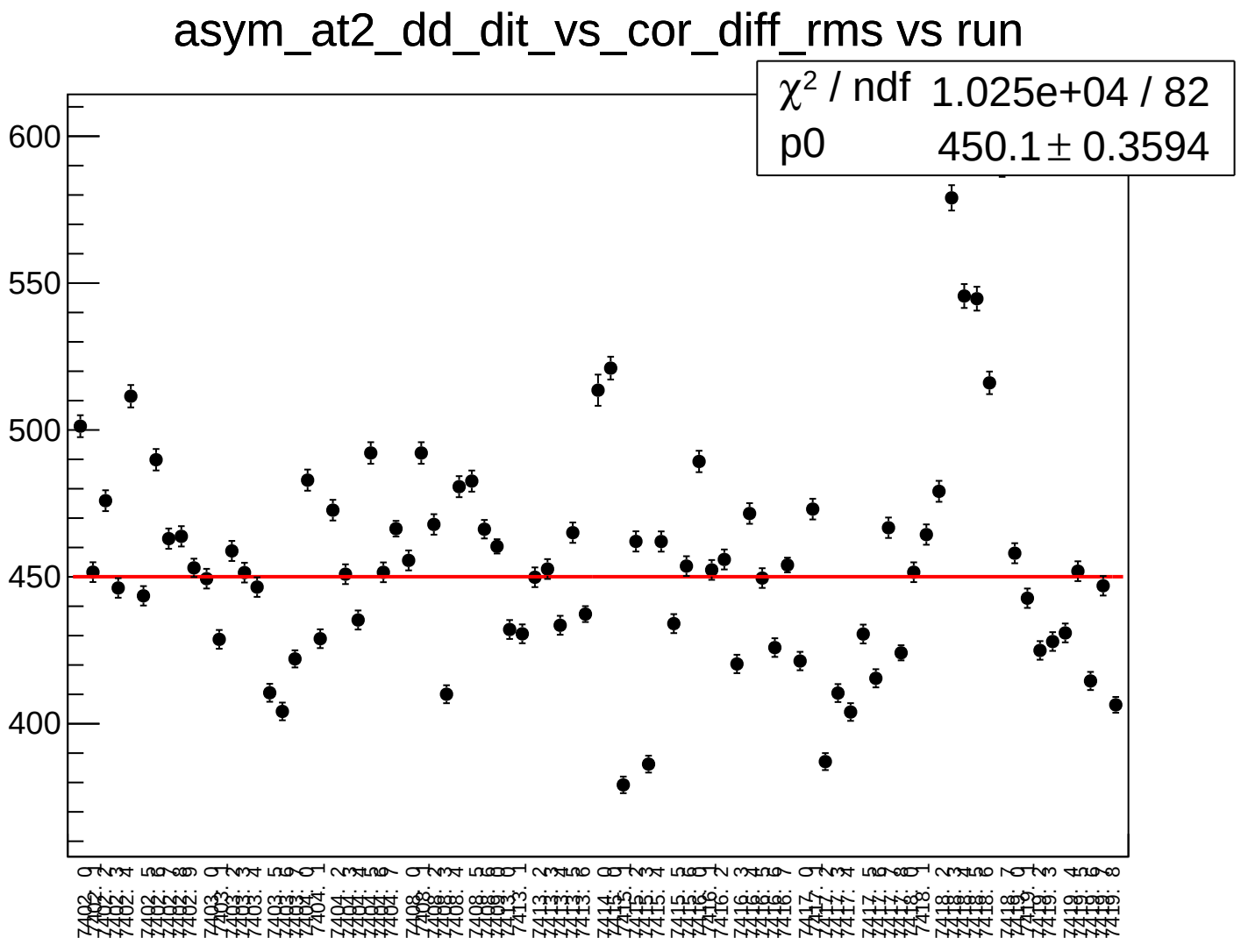

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.48 / 82
p0 −1.468e−14 ± 3.725e−14
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean 8.184
Std Dev 35.03
2
1
0
−1
−2

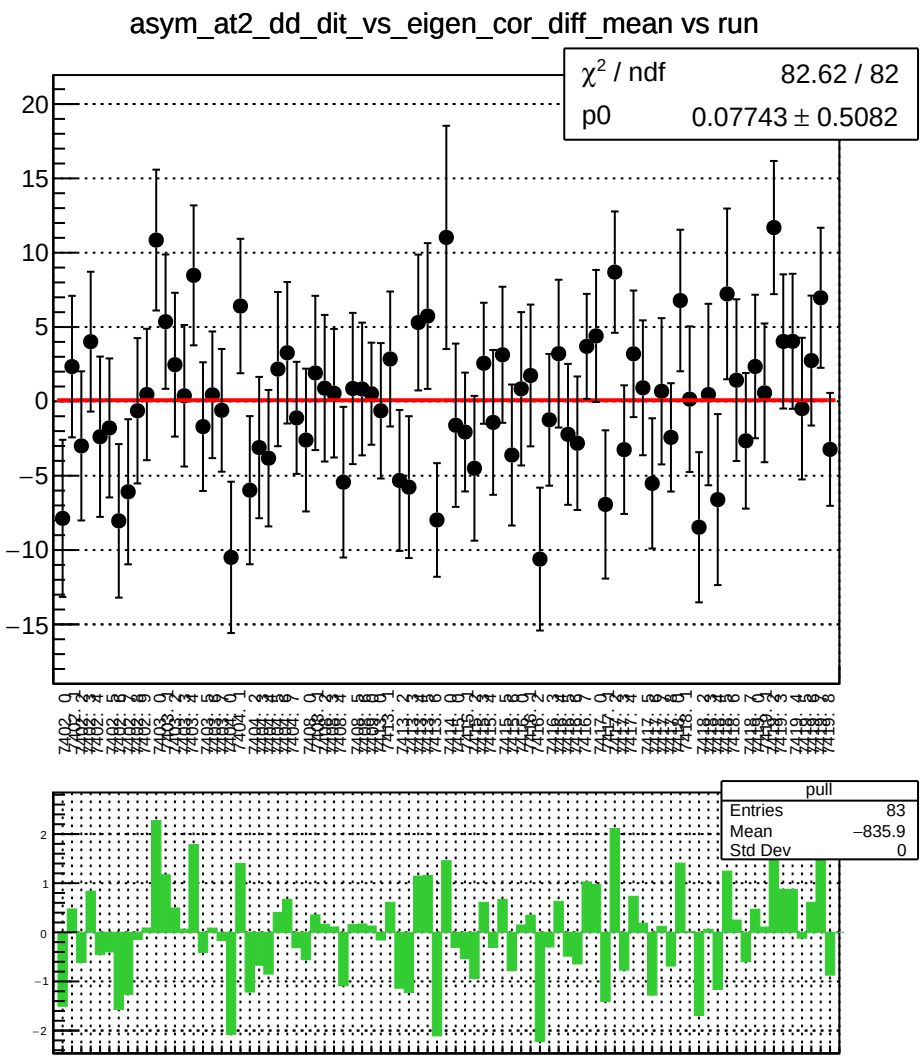

pull1D
Entries 83
Mean −0.0395
Std Dev 0.9961
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

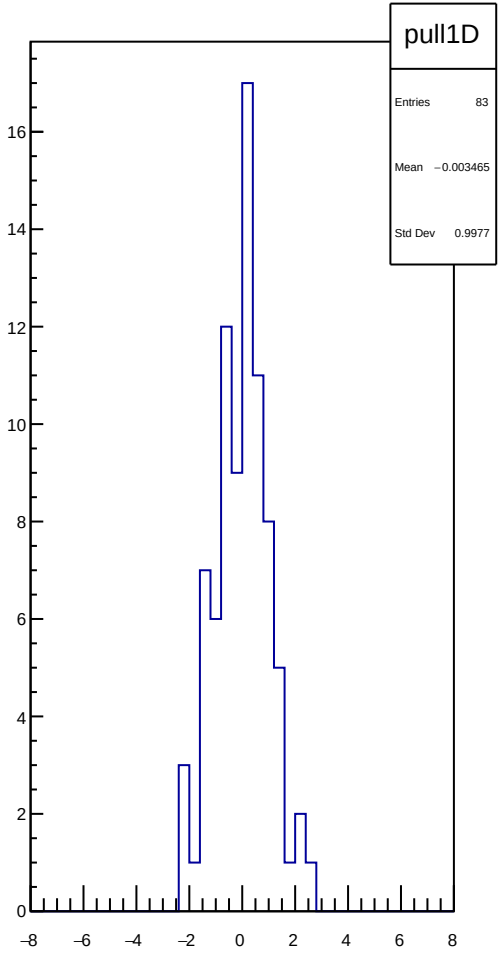

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.323e+06 / 82
p0 1.332e−11 ± 2.634e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

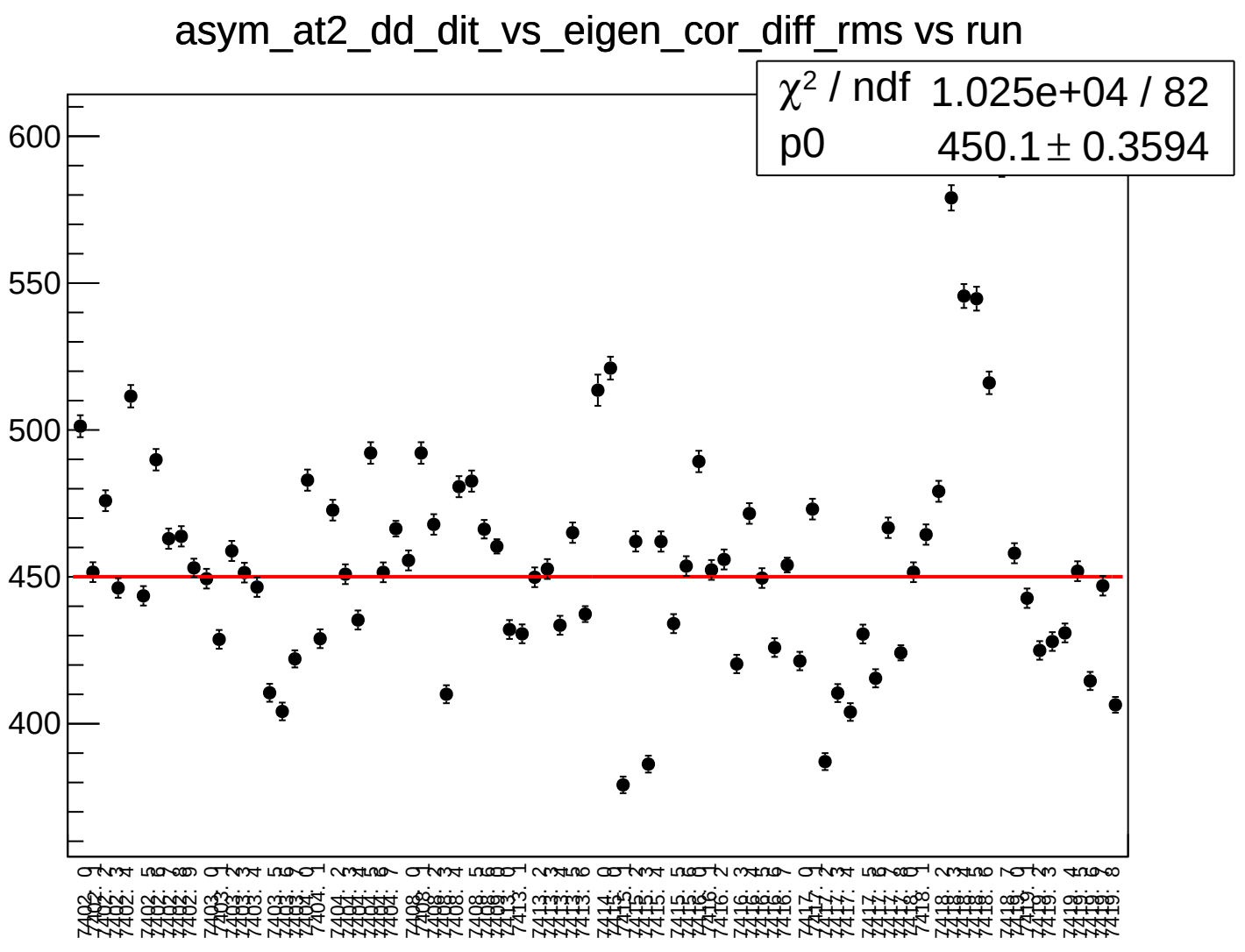

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.62 / 82
p0 0.07743 ± 0.5082
pull
Entries 83
Mean −835.9
Std Dev 0

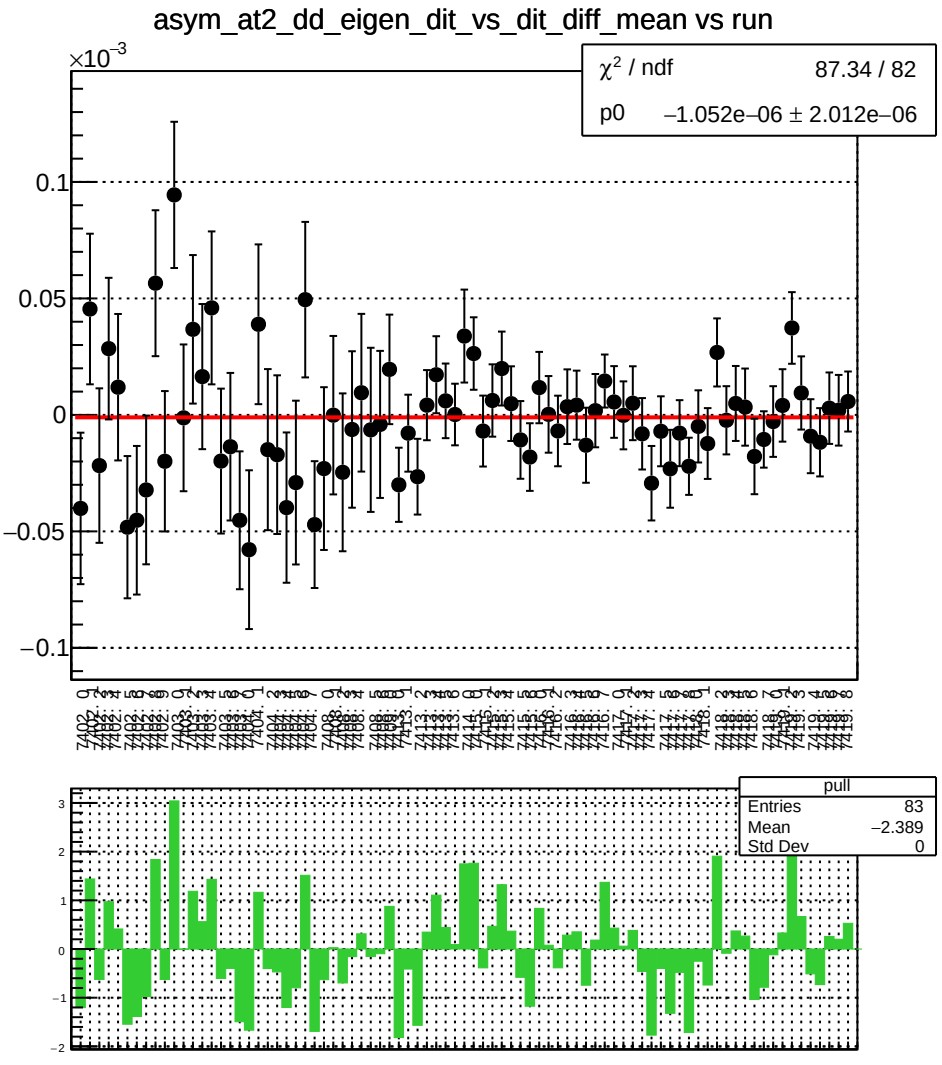

pull1D
Entries 83
Mean −0.003465
Std Dev 0.9977

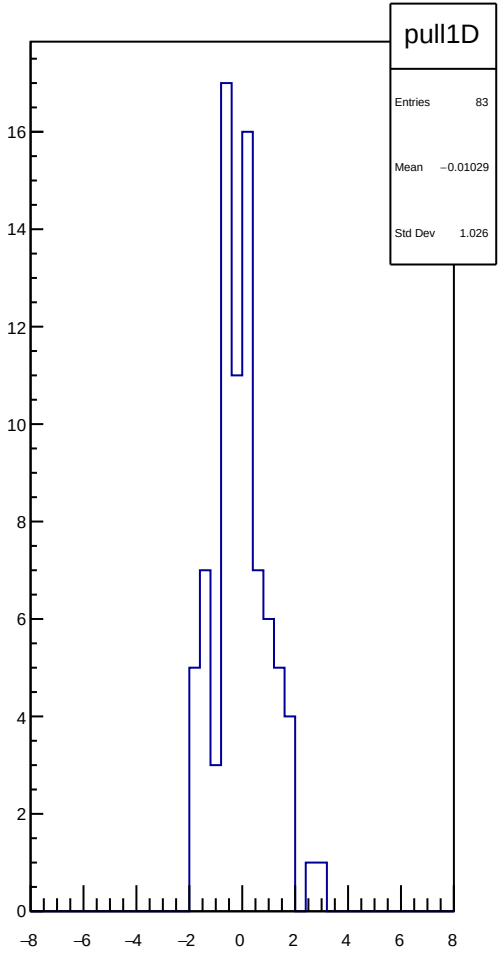

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.025e+04 / 82
p0 450.1 ± 0.3594
600
550
500
450
400

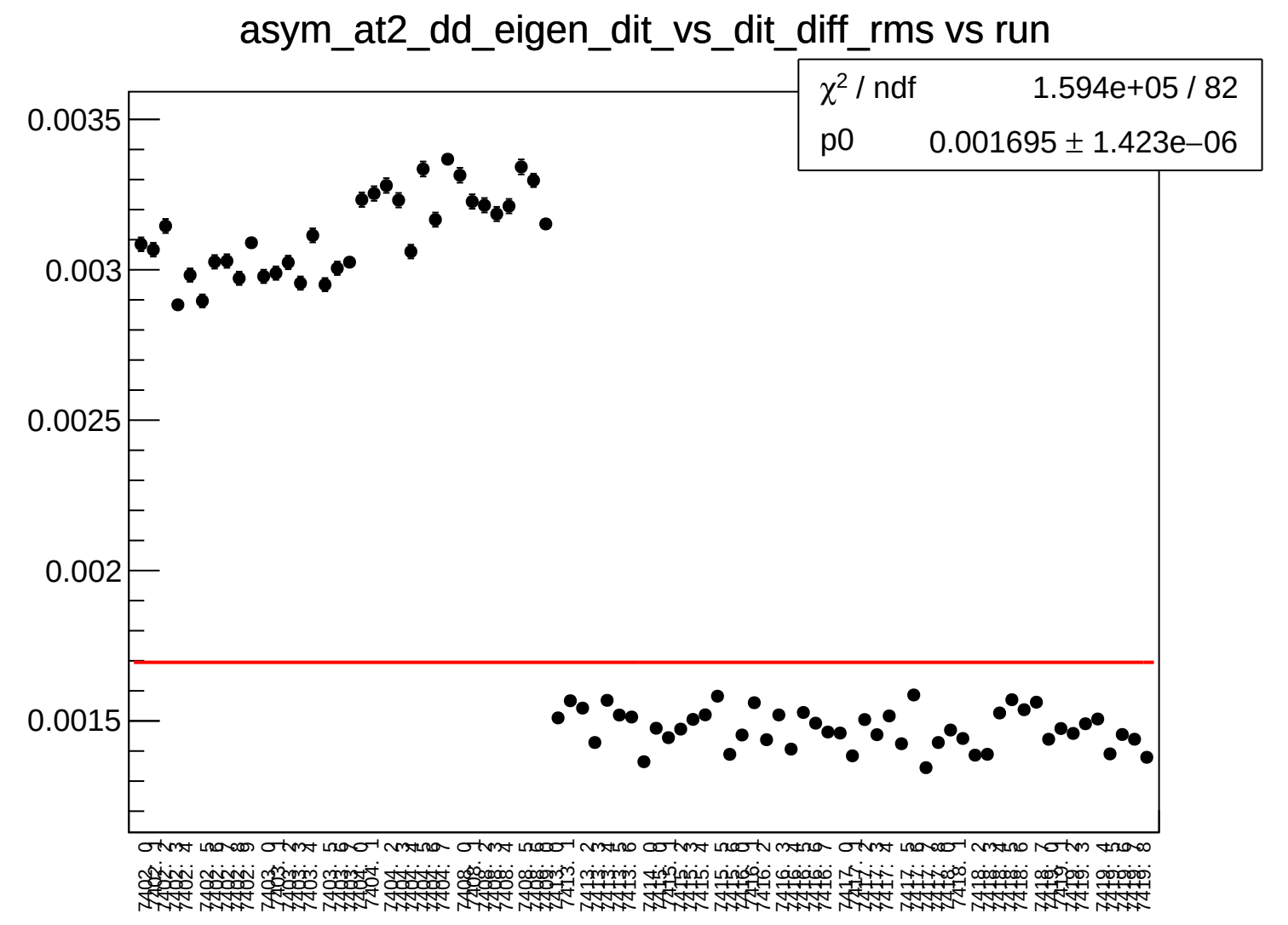

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.62 / 82
p0 0.07743 ± 0.5082
pull
Entries 83
Mean −835.9
Std Dev 0

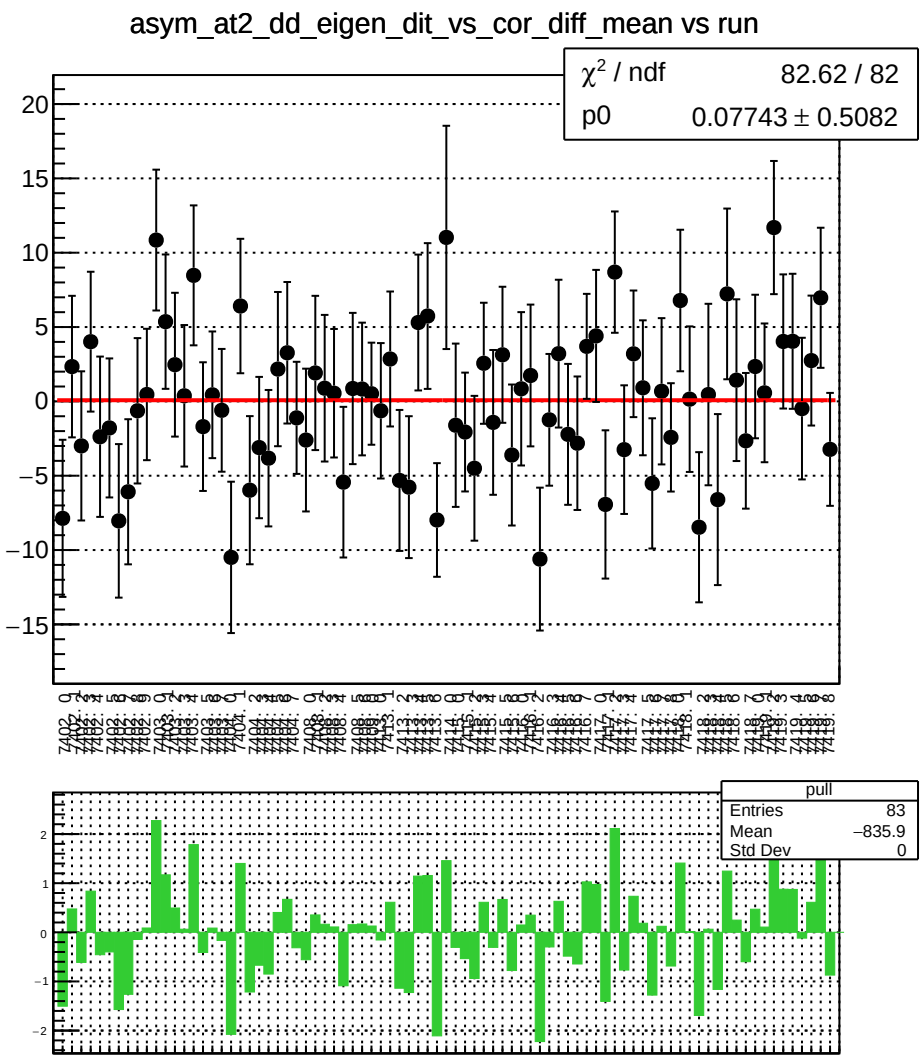

pull1D
Entries 83
Mean −0.003465
Std Dev 0.9977

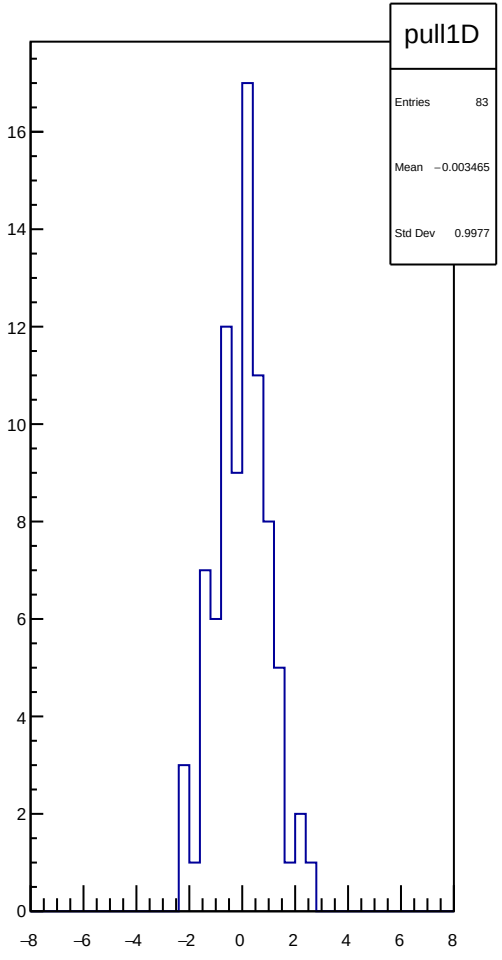

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.025e+04 / 82
p0 450.1 ± 0.3594
600
550
500
450
400

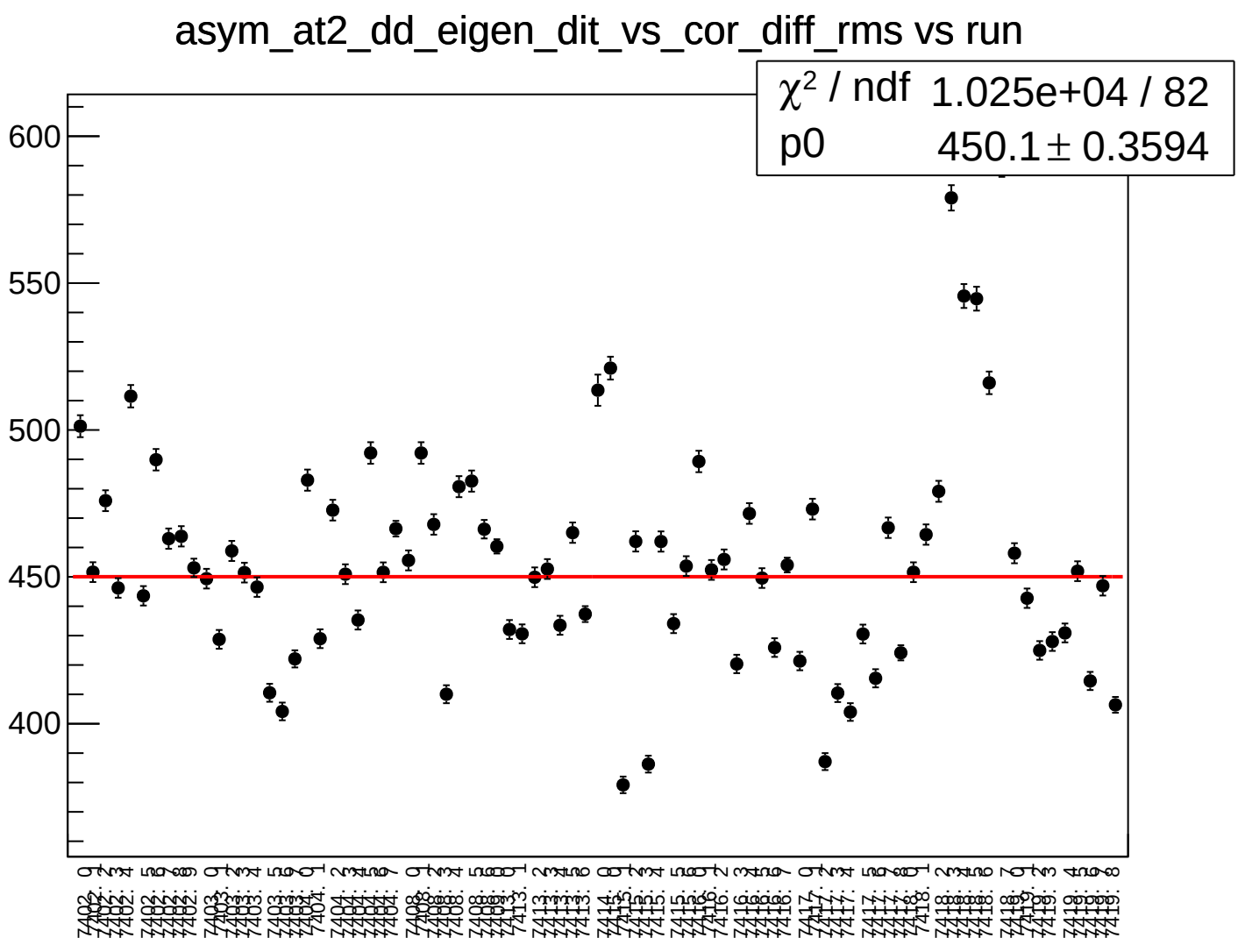

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.34 / 82
p0 −1.052e−06 ± 2.012e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean −2.389
Std Dev 0
3
2
1
0
−1
−2

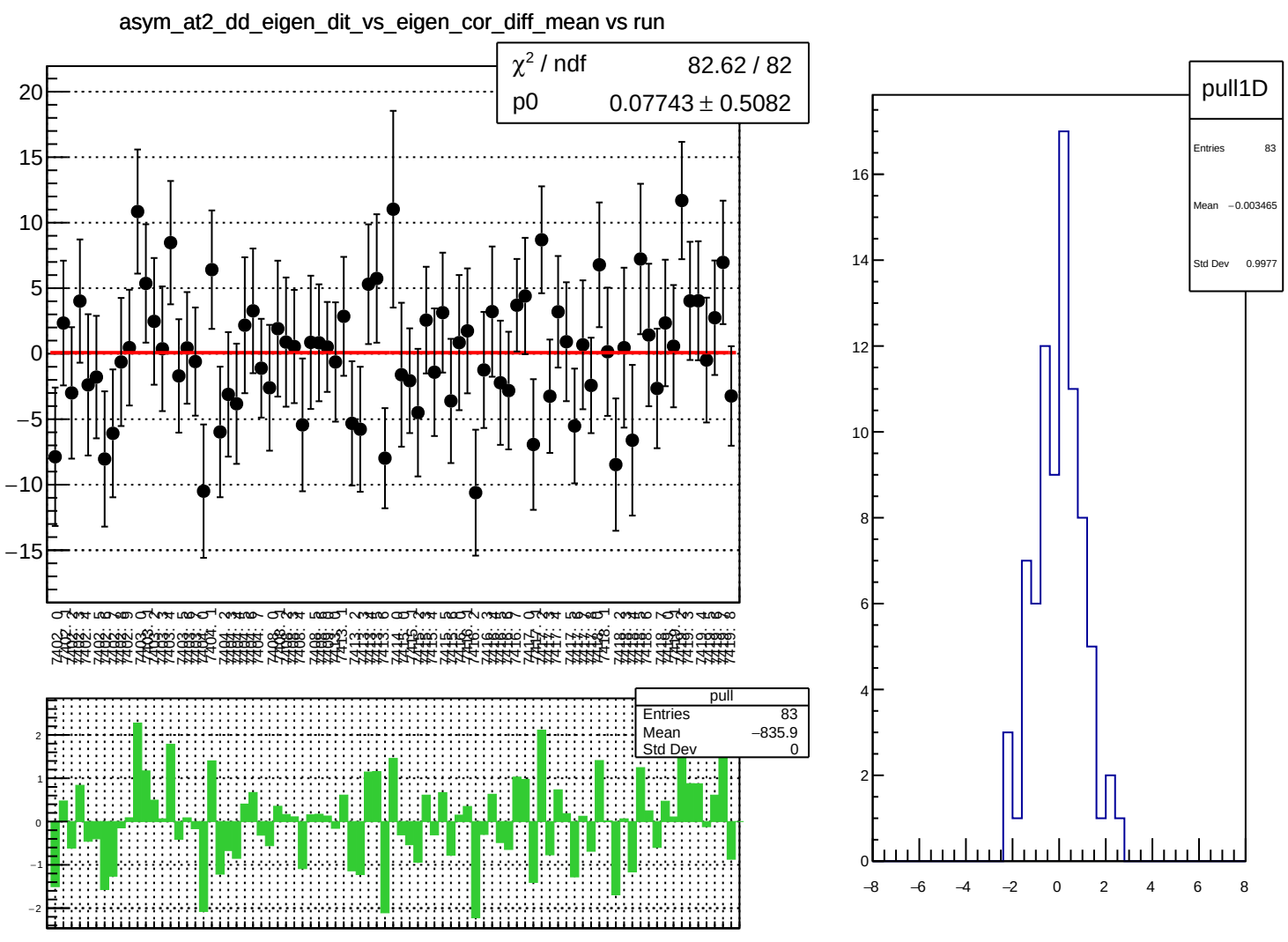

pull1D
Entries 83
Mean −0.01029
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

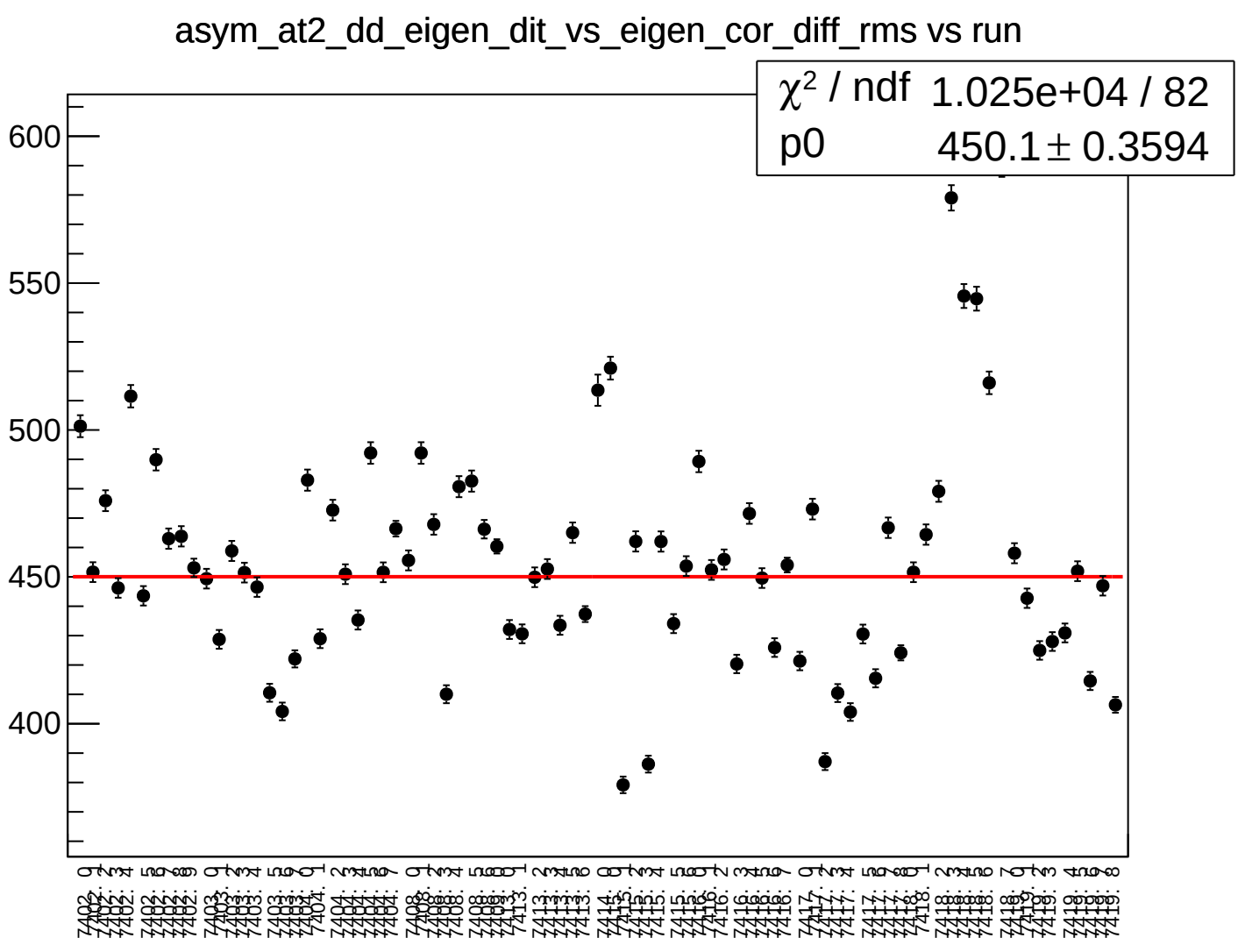

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.594e+05 / 82
p0 0.001695 ± 1.423e−06
0.0035
0.003
0.0025
0.002
0.0015

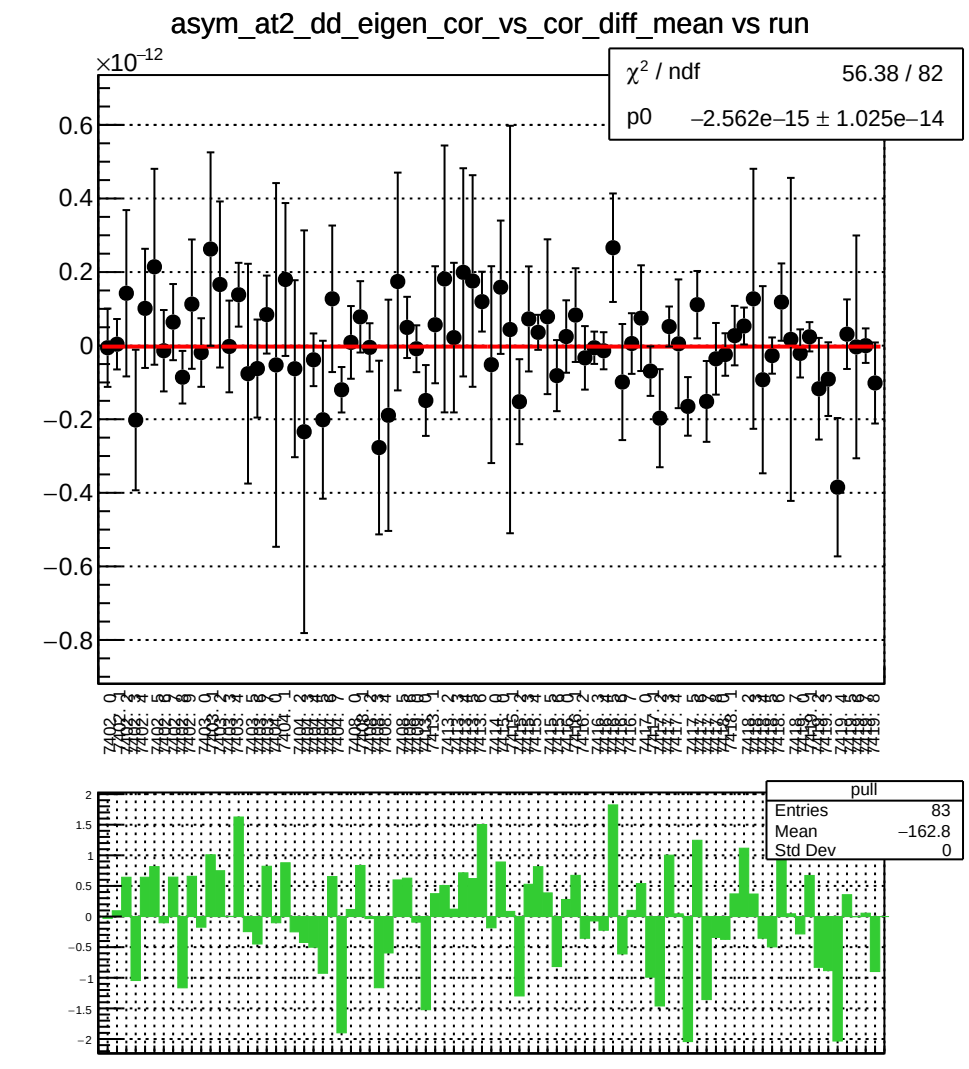

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.62 / 82
p0 0.07743 ± 0.5082
pull
Entries 83
Mean −835.9
Std Dev 0

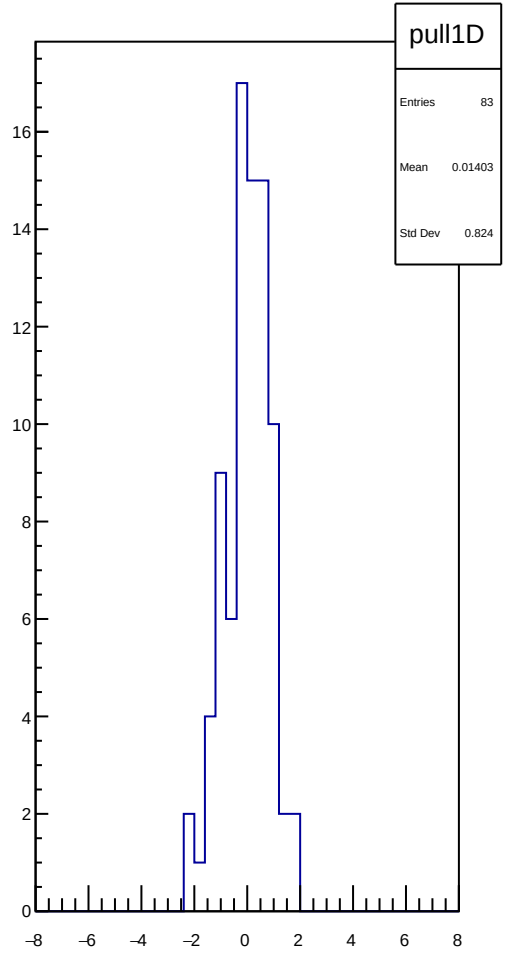

pull1D
Entries 83
Mean −0.003465
Std Dev 0.9977

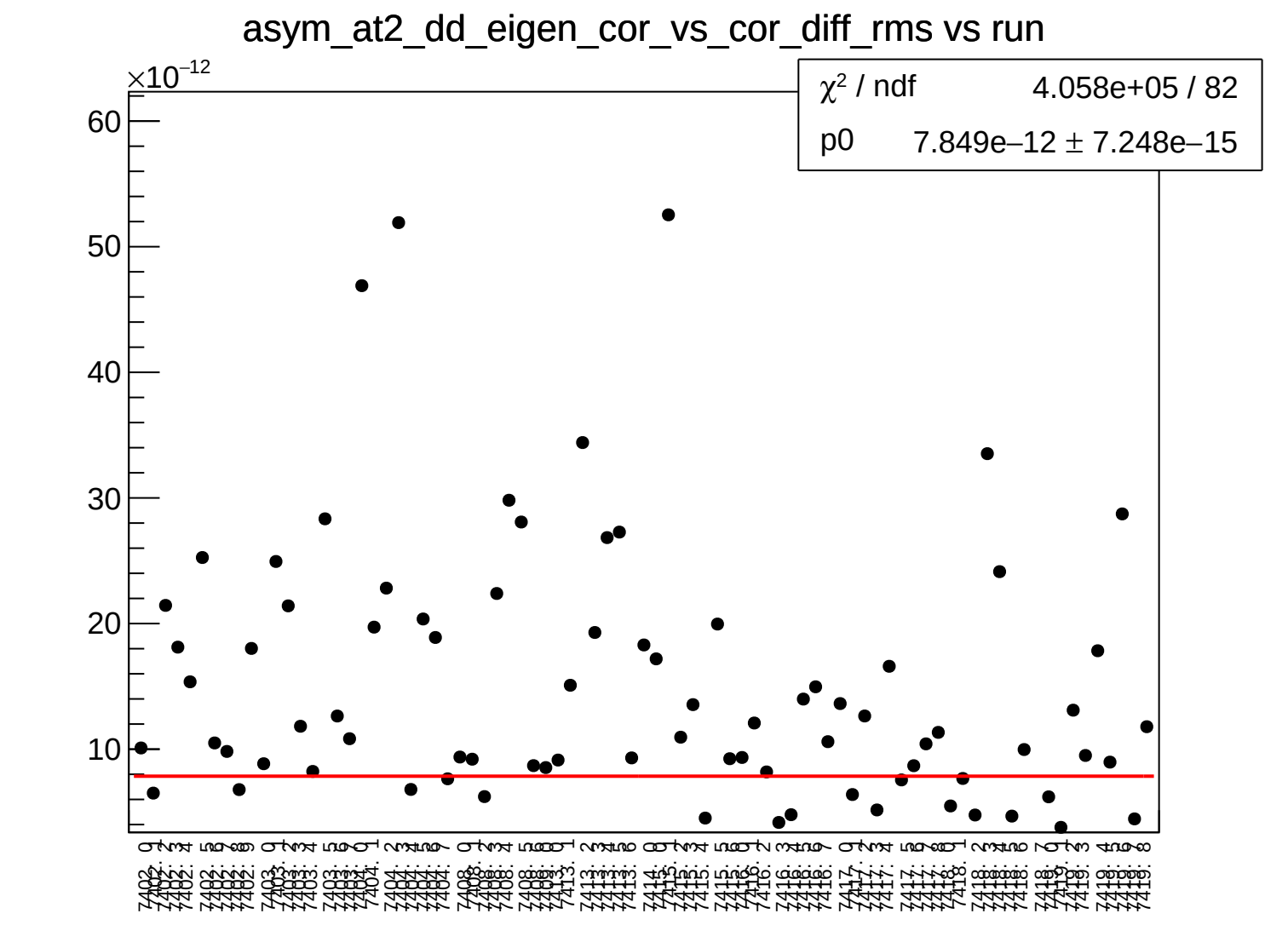

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.025e+04 / 82
p0 450.1 ± 0.3594
600
550
500
450
400

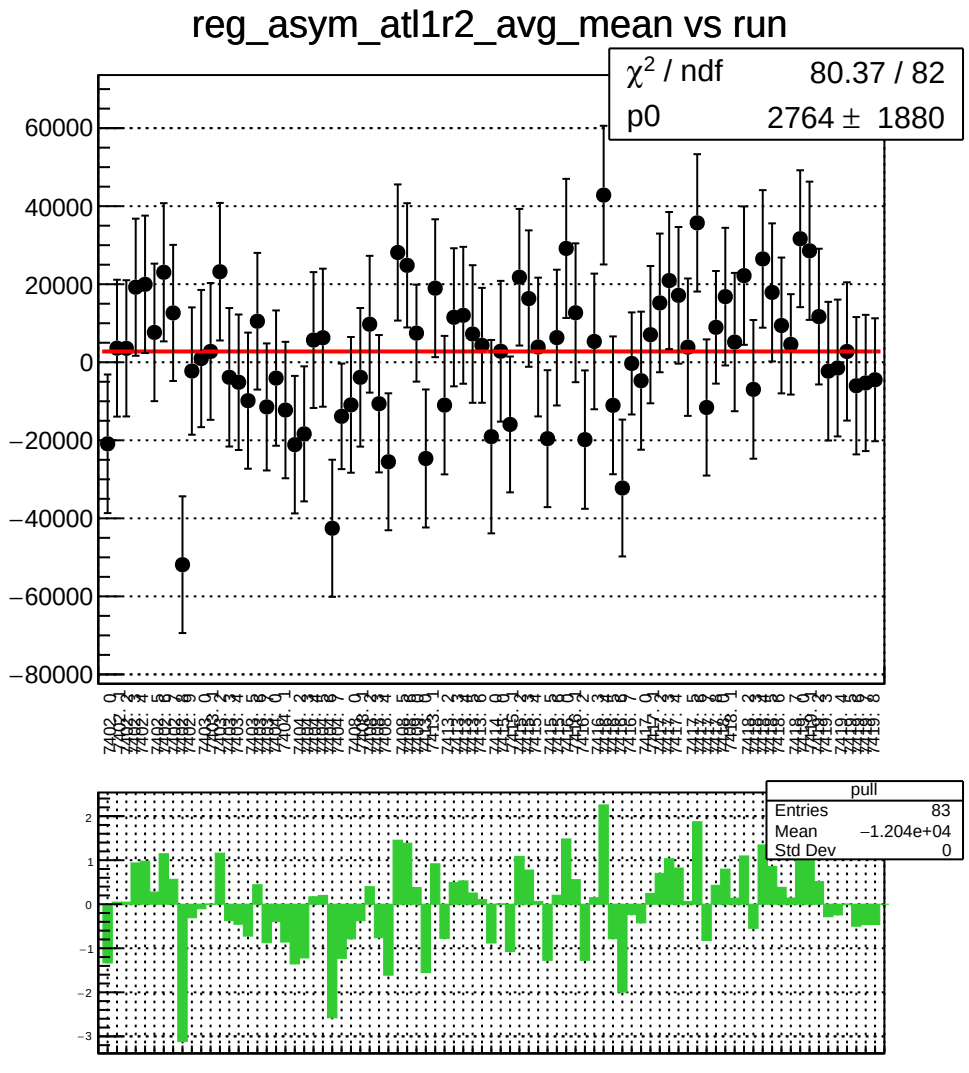

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.62 / 82
p0 0.07743 ± 0.5082
pull
Entries 83
Mean −835.9
Std Dev 0
pull1D
Entries 83
Mean −0.003465
Std Dev 0.9977

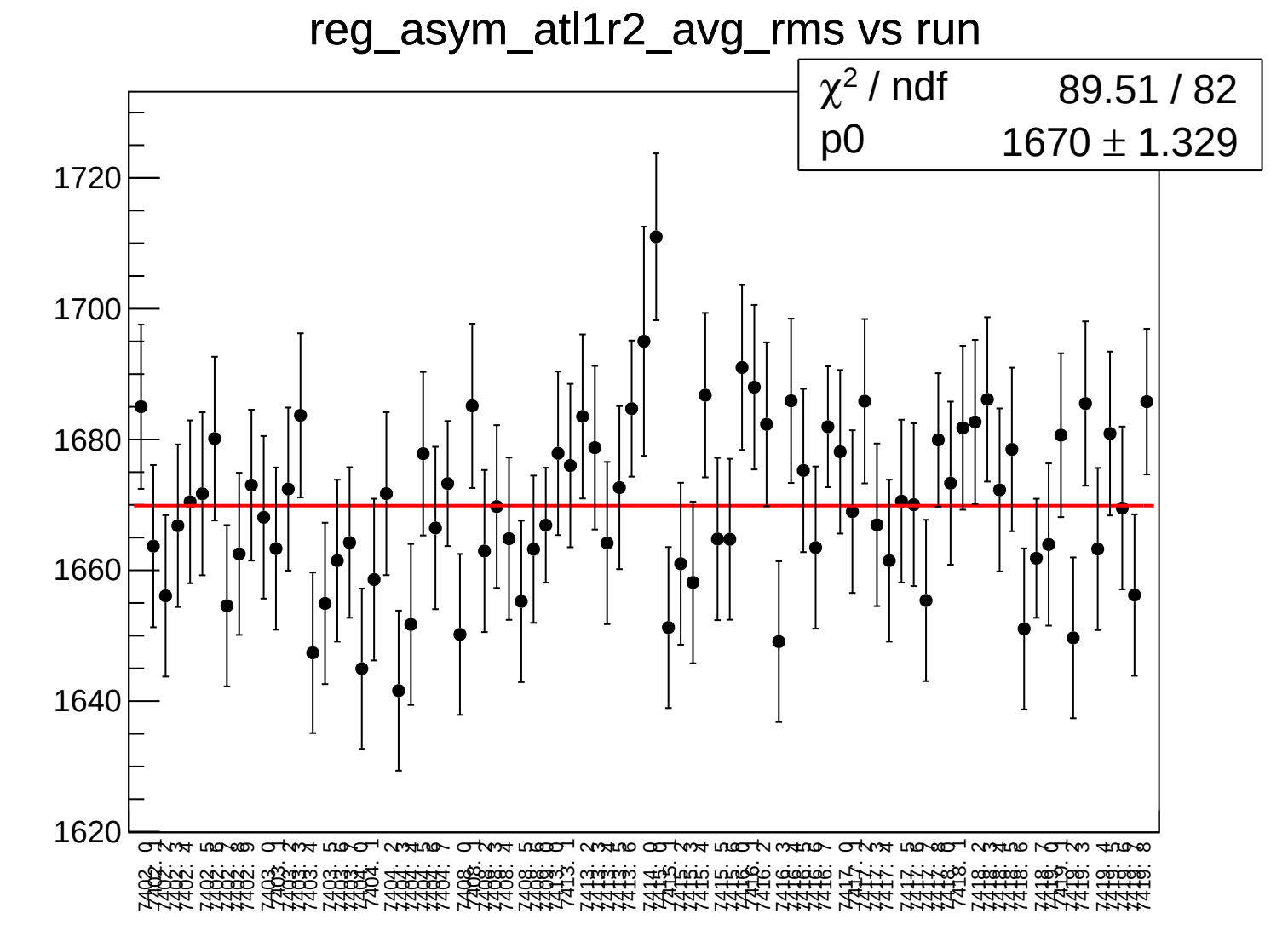

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.025e+04 / 82
p0 450.1 ± 0.3594
600
550
500
450
400

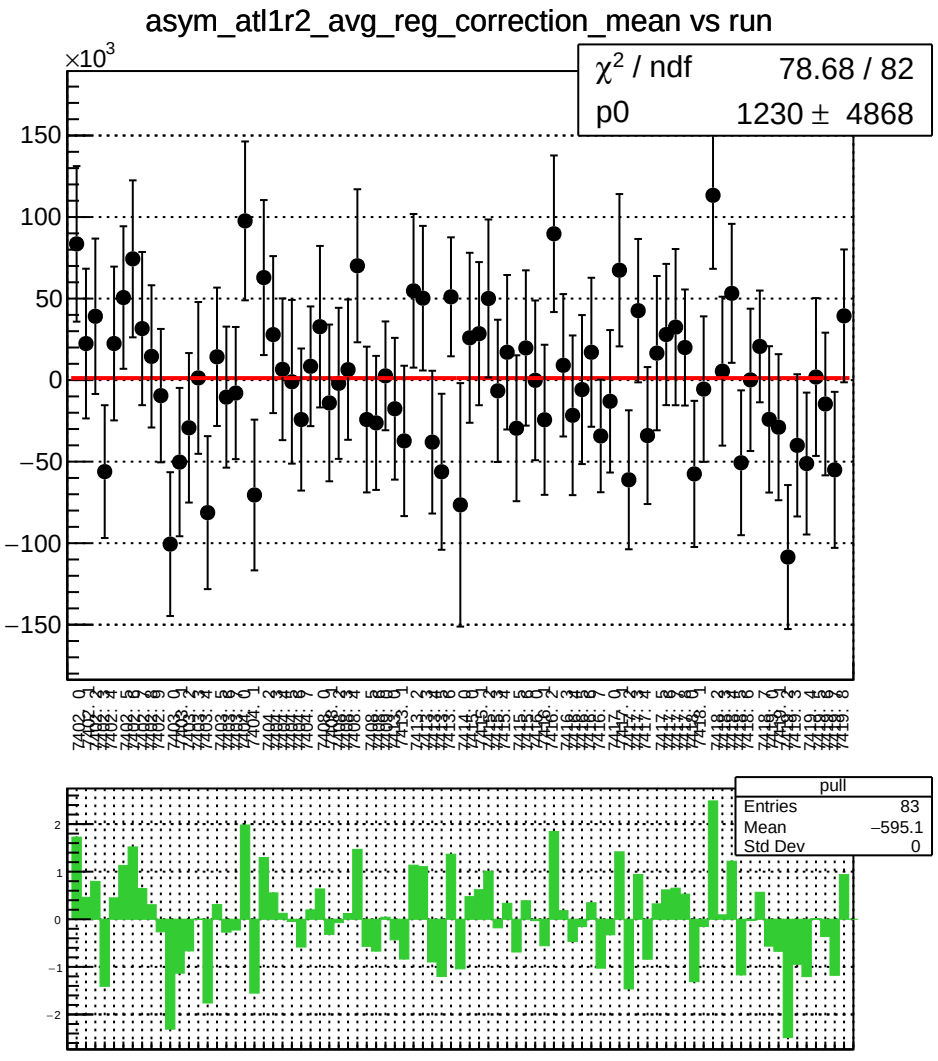

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.38 / 82
p0 −2.562e−15 ± 1.025e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 83
Mean −162.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

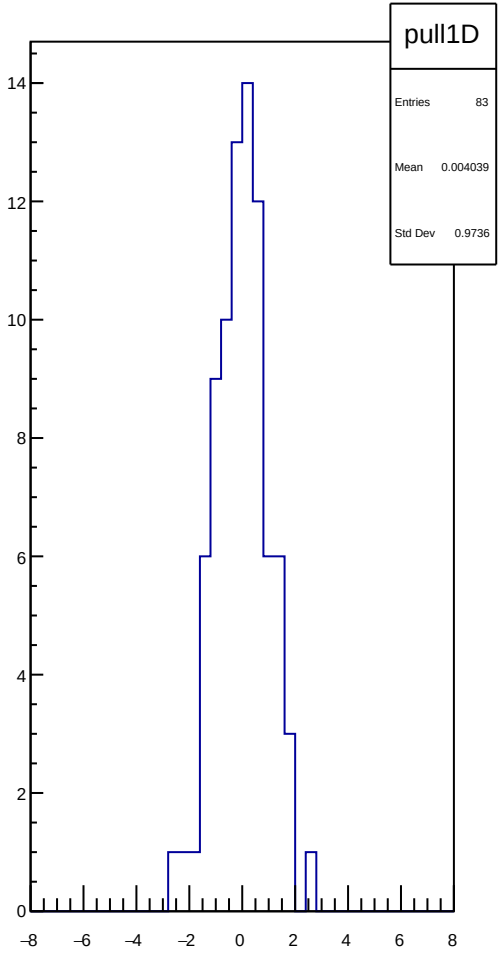

pull1D
Entries 83
Mean 0.01403
Std Dev 0.824
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

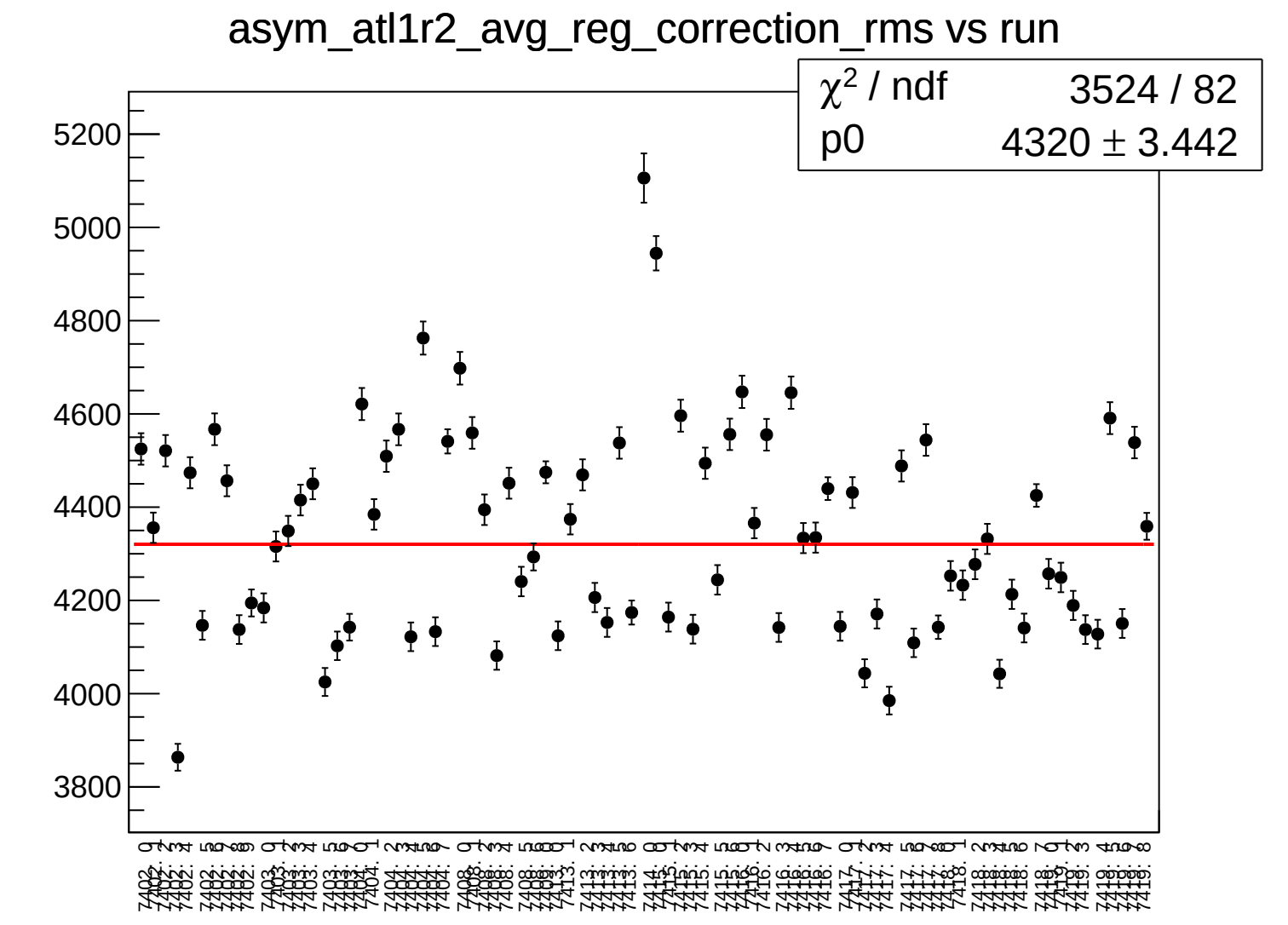

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
60
50
40
30
20
10
χ² / ndf 4.058e+05 / 82
p0 7.849e−12 ± 7.248e−15

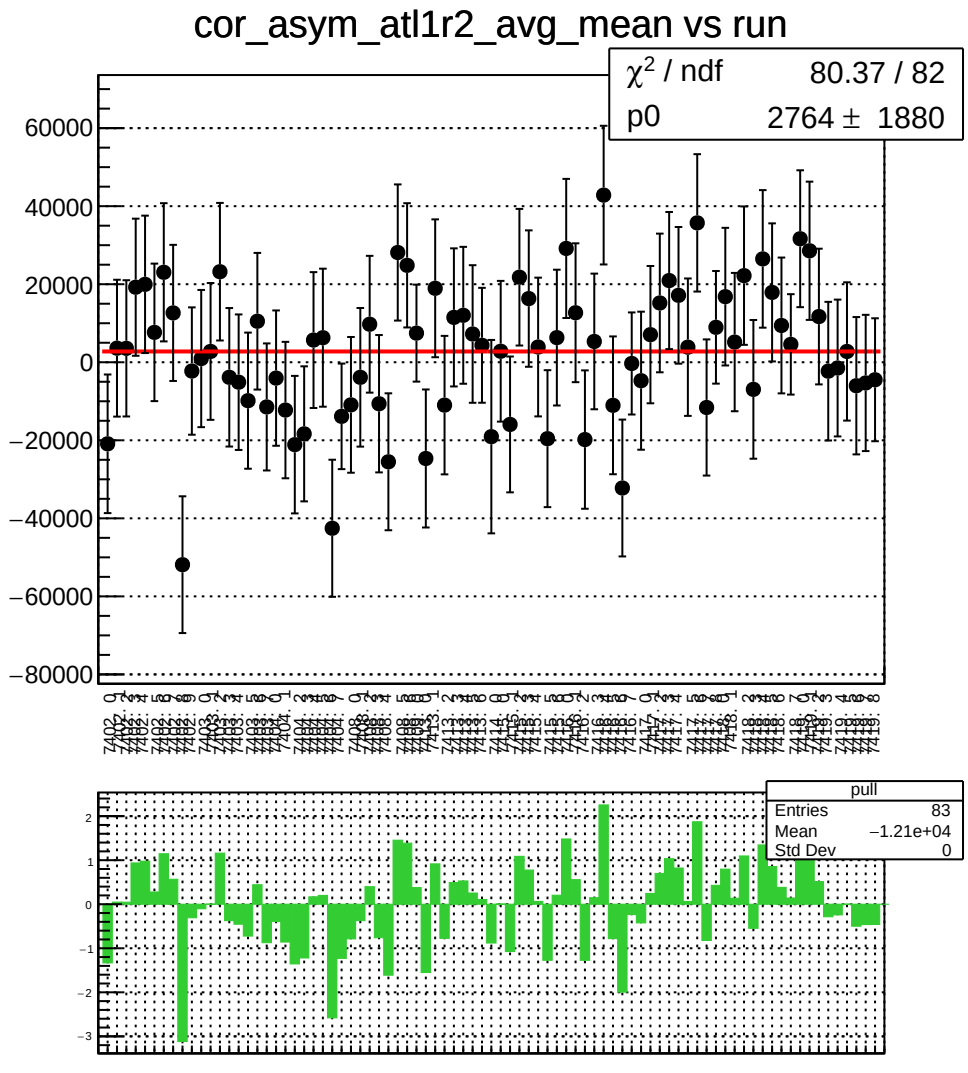

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 80.37 / 82
p0 2764 ± 1880
pull
Entries 83
Mean −1.204e+04
Std Dev 0
pull1D
Entries 83
Mean −0.0004276
Std Dev 0.984

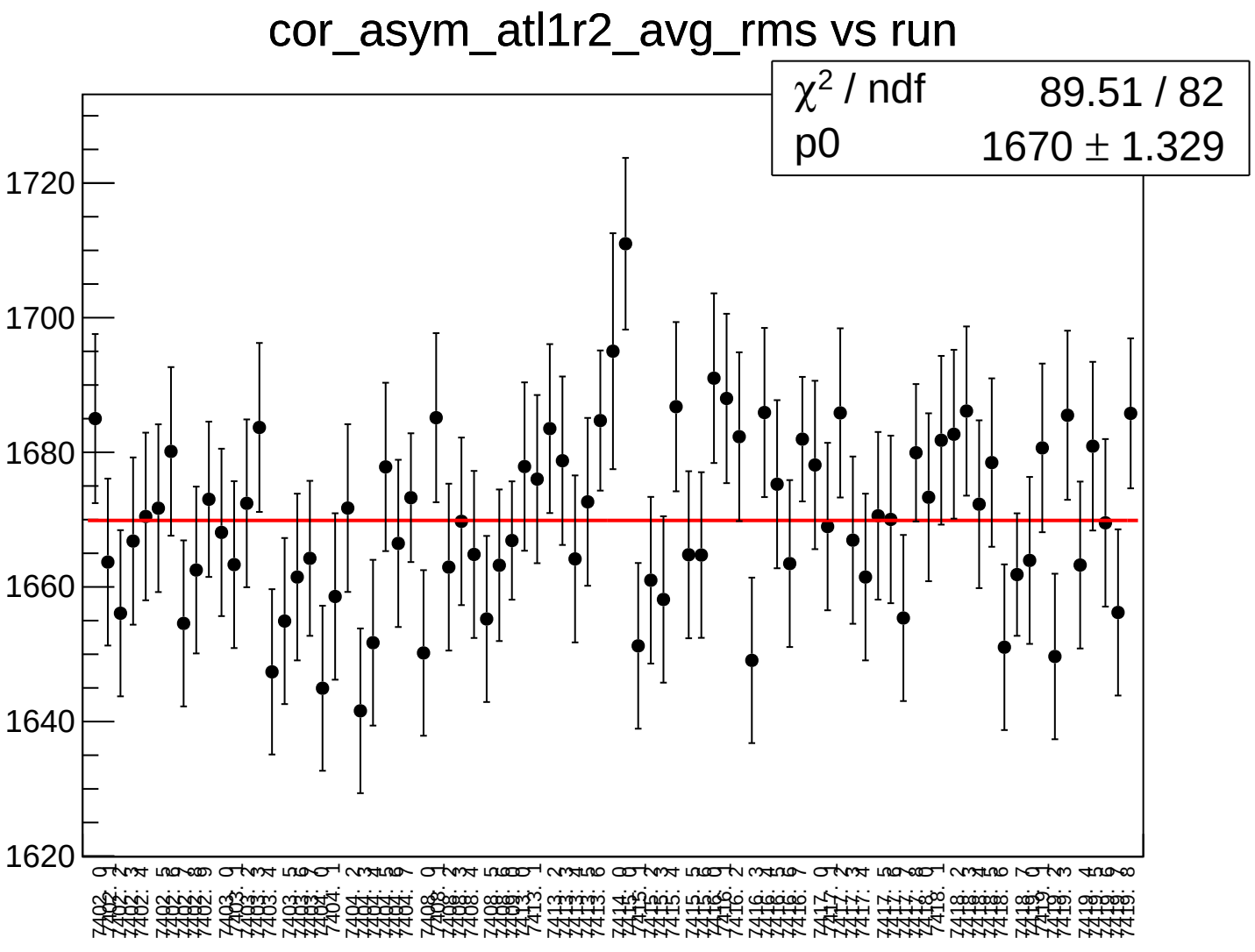

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 89.51 / 82
p0 1670 ± 1.329
1720
1700
1680
1660
1640
1620

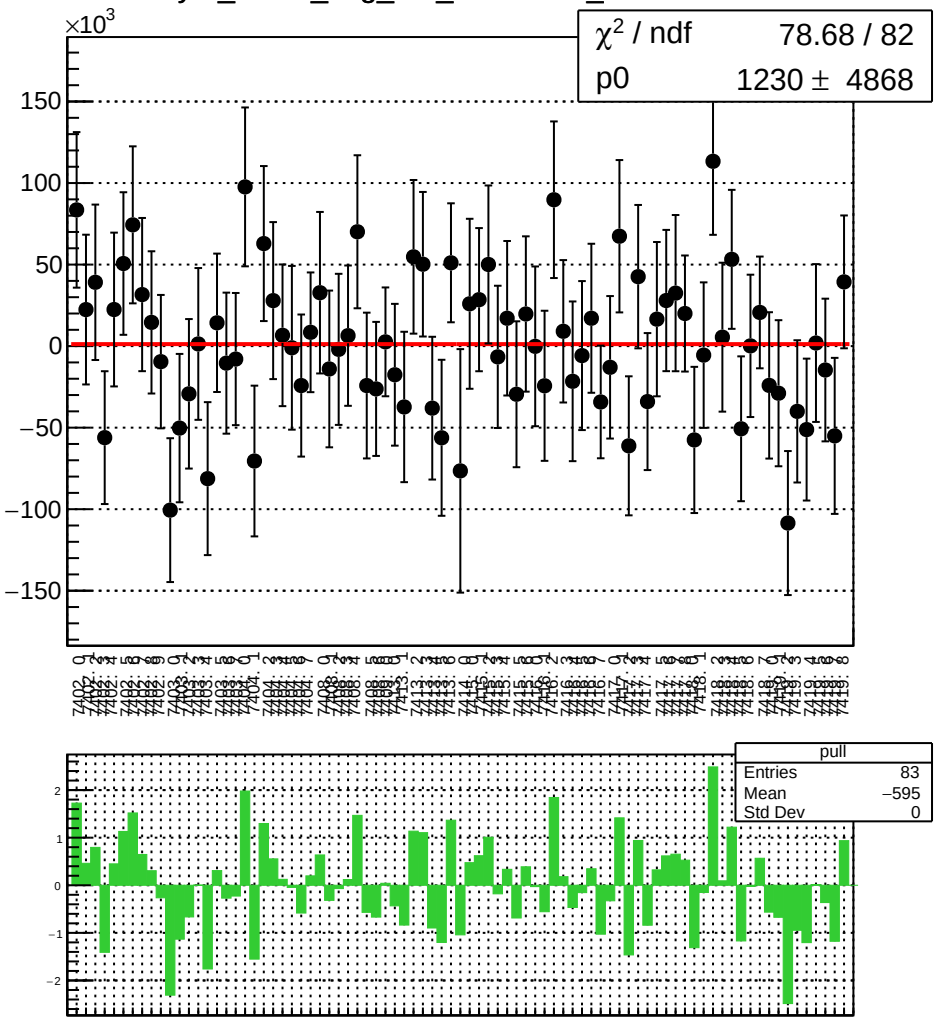

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 78.68 / 82
p0 1230 ± 4868
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −595.1
Std Dev 0
2
1
0
−1
−2

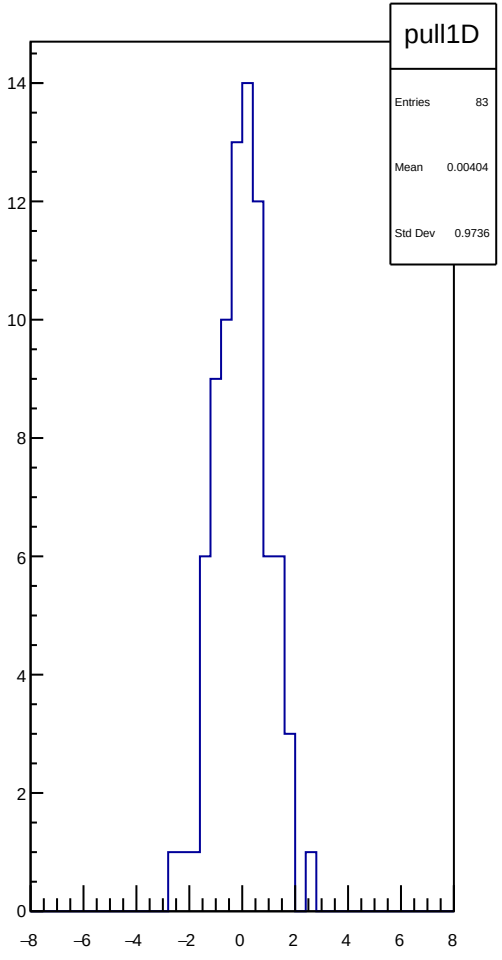

pull1D
Entries 83
Mean 0.004039
Std Dev 0.9736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

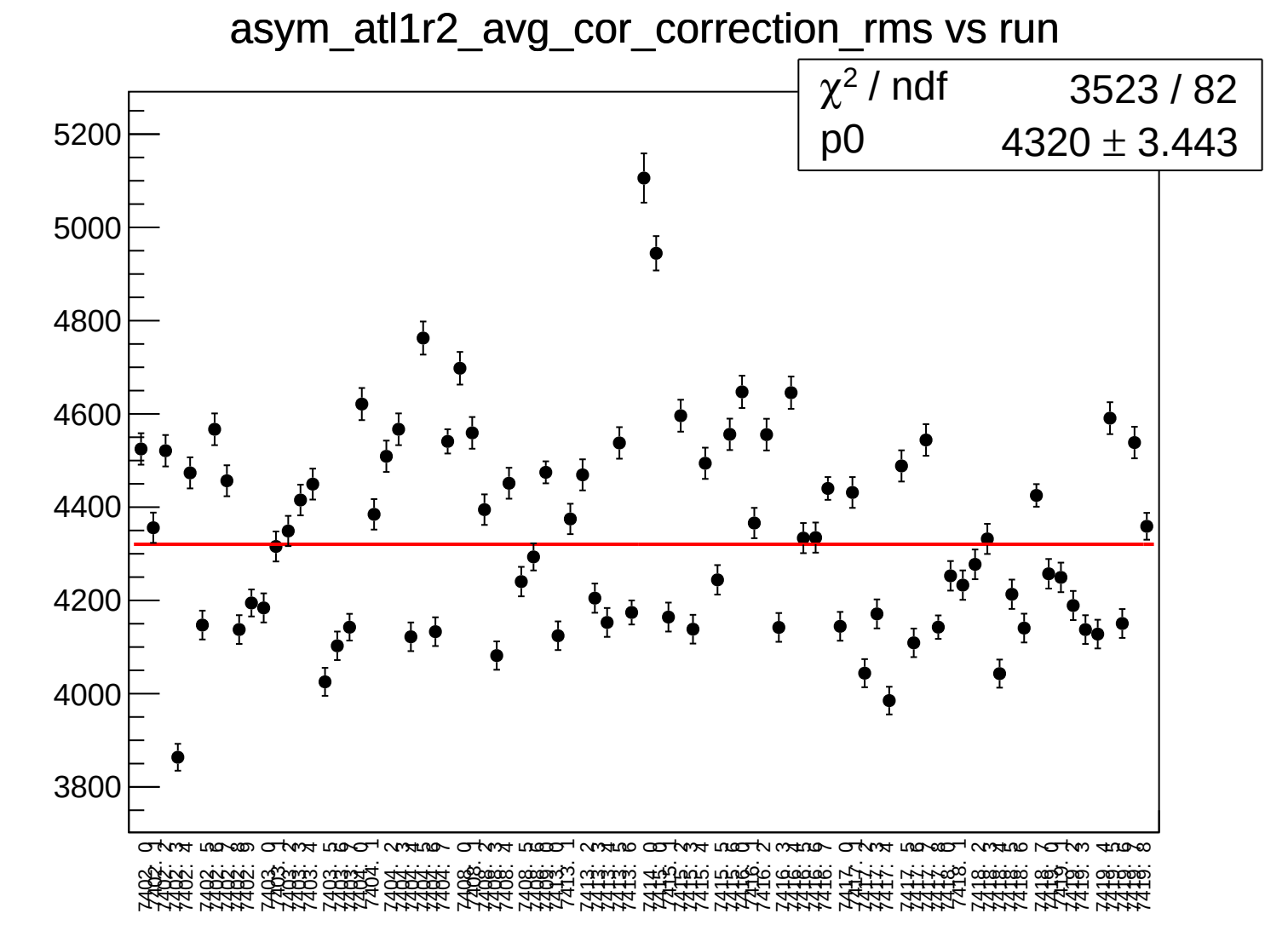

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 3524 / 82
p0 4320 ± 3.442
5200
5000
4800
4600
4400
4200
4000
3800

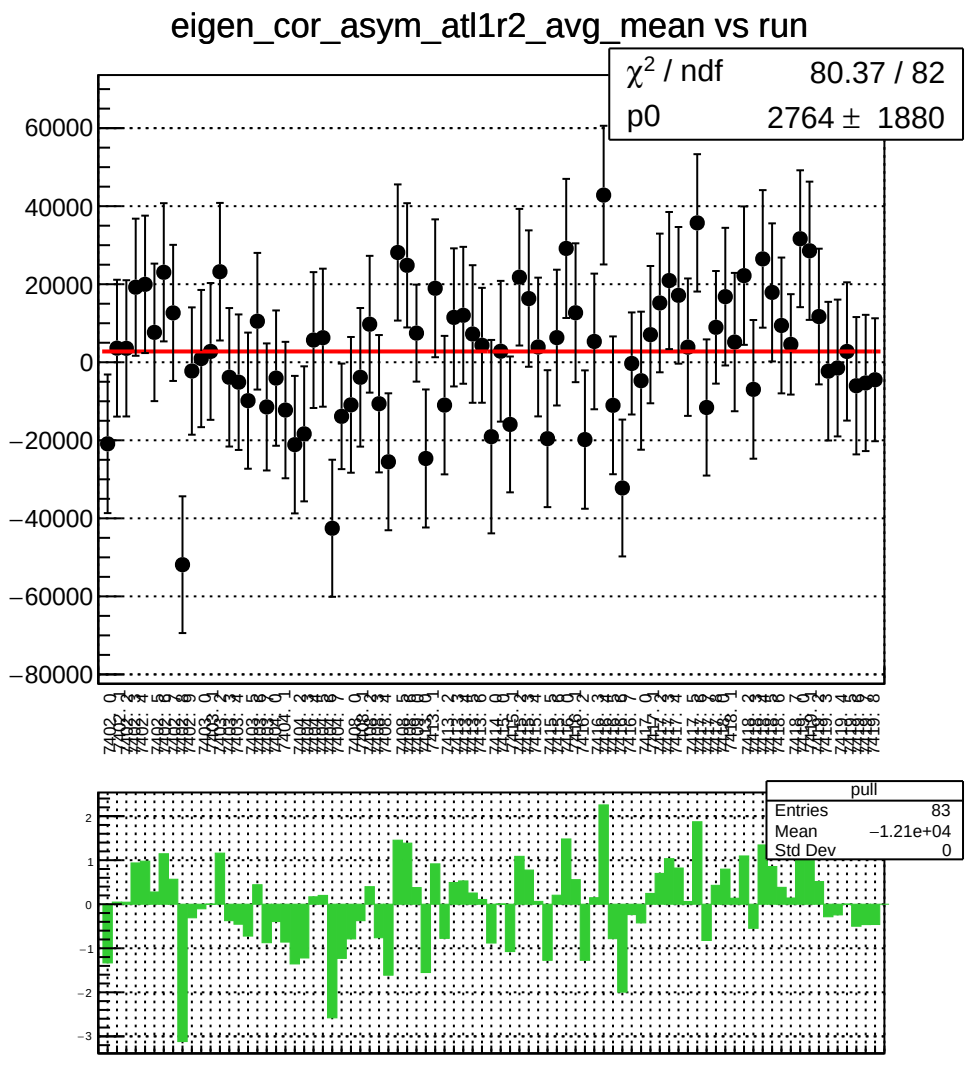

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 80.37 / 82
p0 2764 ± 1880
pull
Entries 83
Mean −1.21e+04
Std Dev 0
pull1D
Entries 83
Mean −0.0004256
Std Dev 0.984

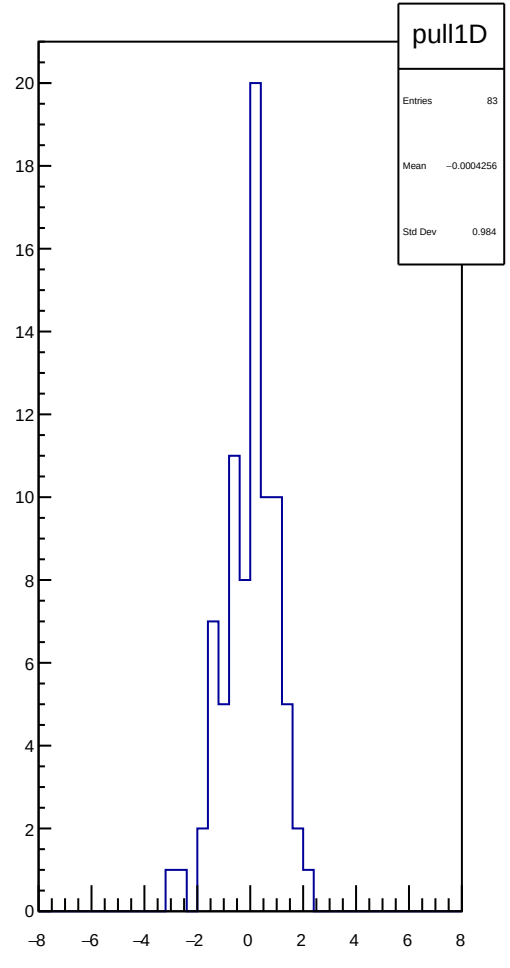

cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 89.51 / 82
p0 1670 ± 1.329
1720
1700
1680
1660
1640
1620

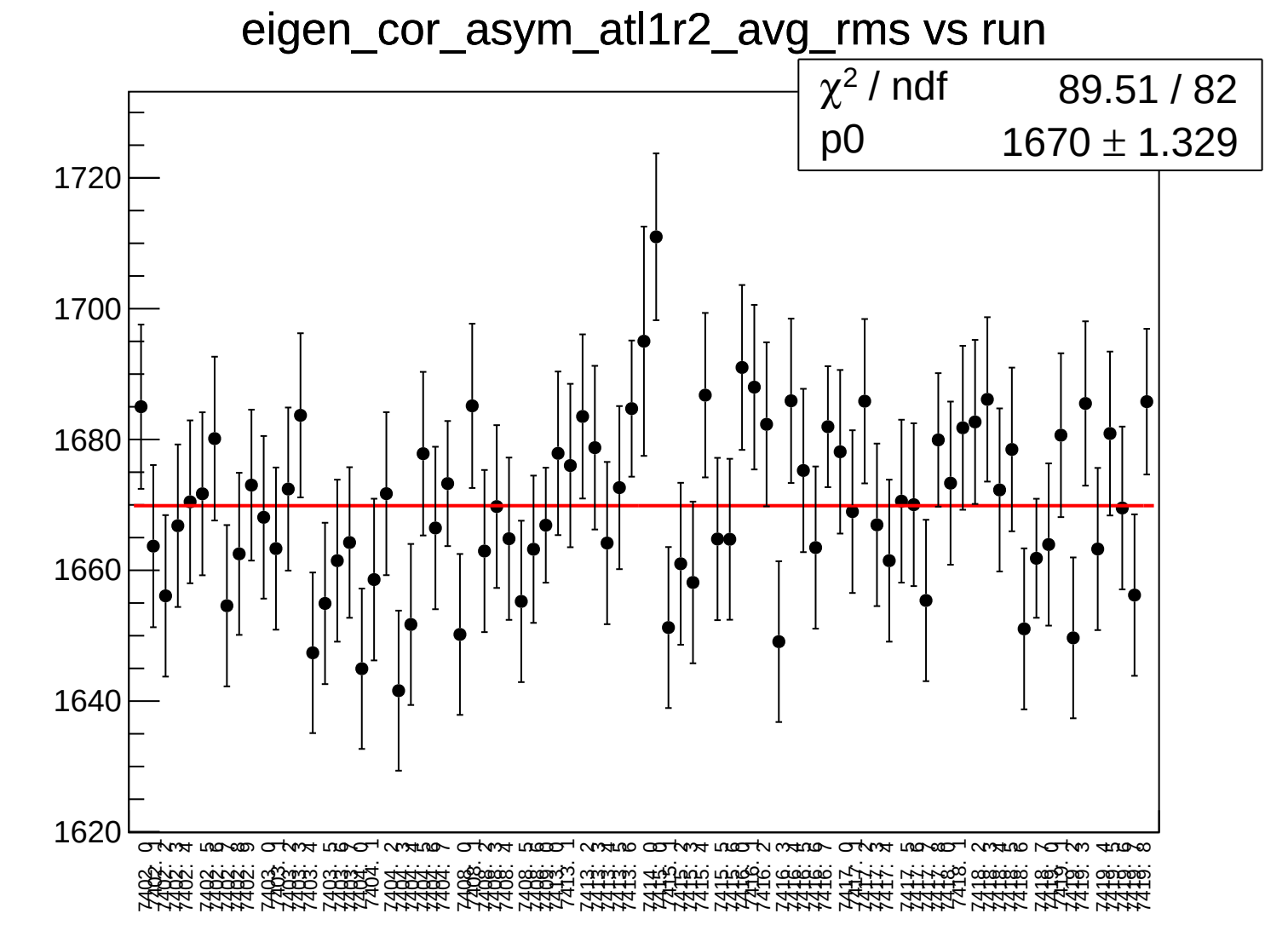

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 78.68 / 82
p0 1230 ± 4868
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −595
Std Dev 0
2
1
0
−1
−2

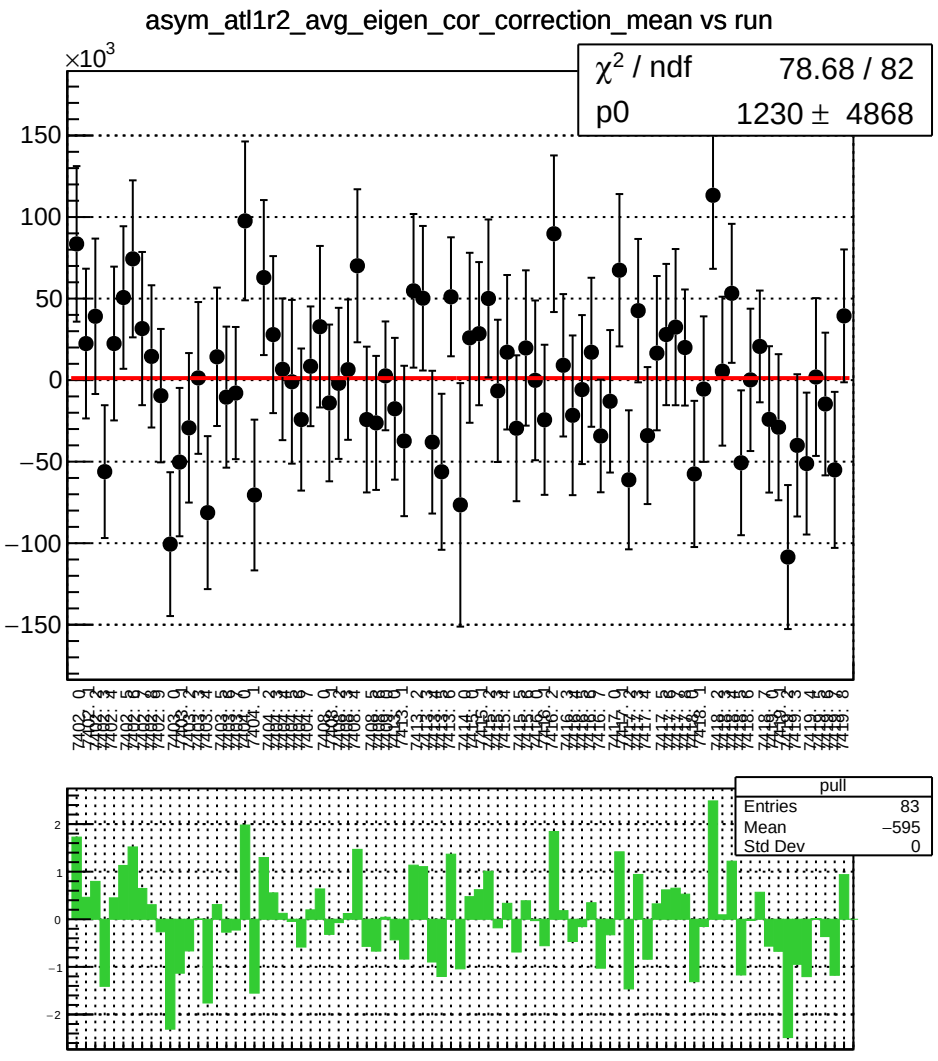

pull1D
Entries 83
Mean 0.00404
Std Dev 0.9736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

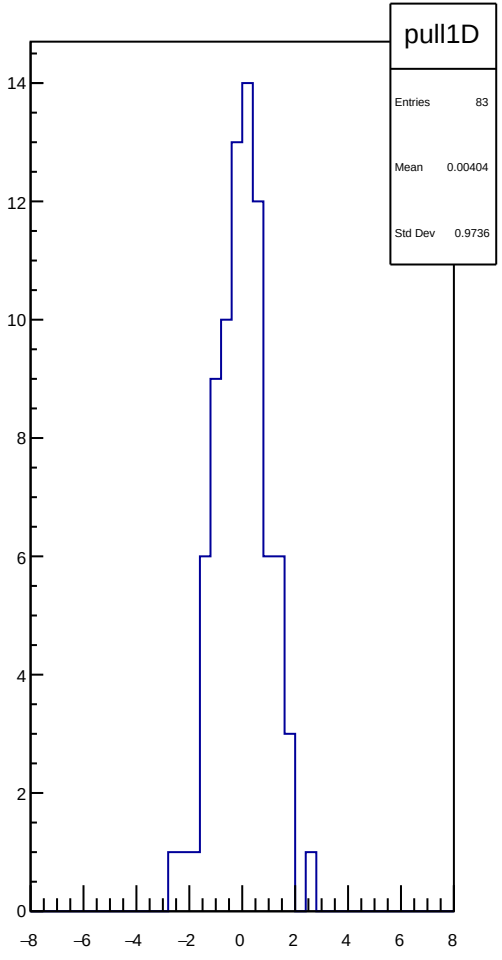

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 3523 / 82
p0 4320 ± 3.443
5200
5000
4800
4600
4400
4200
4000
3800

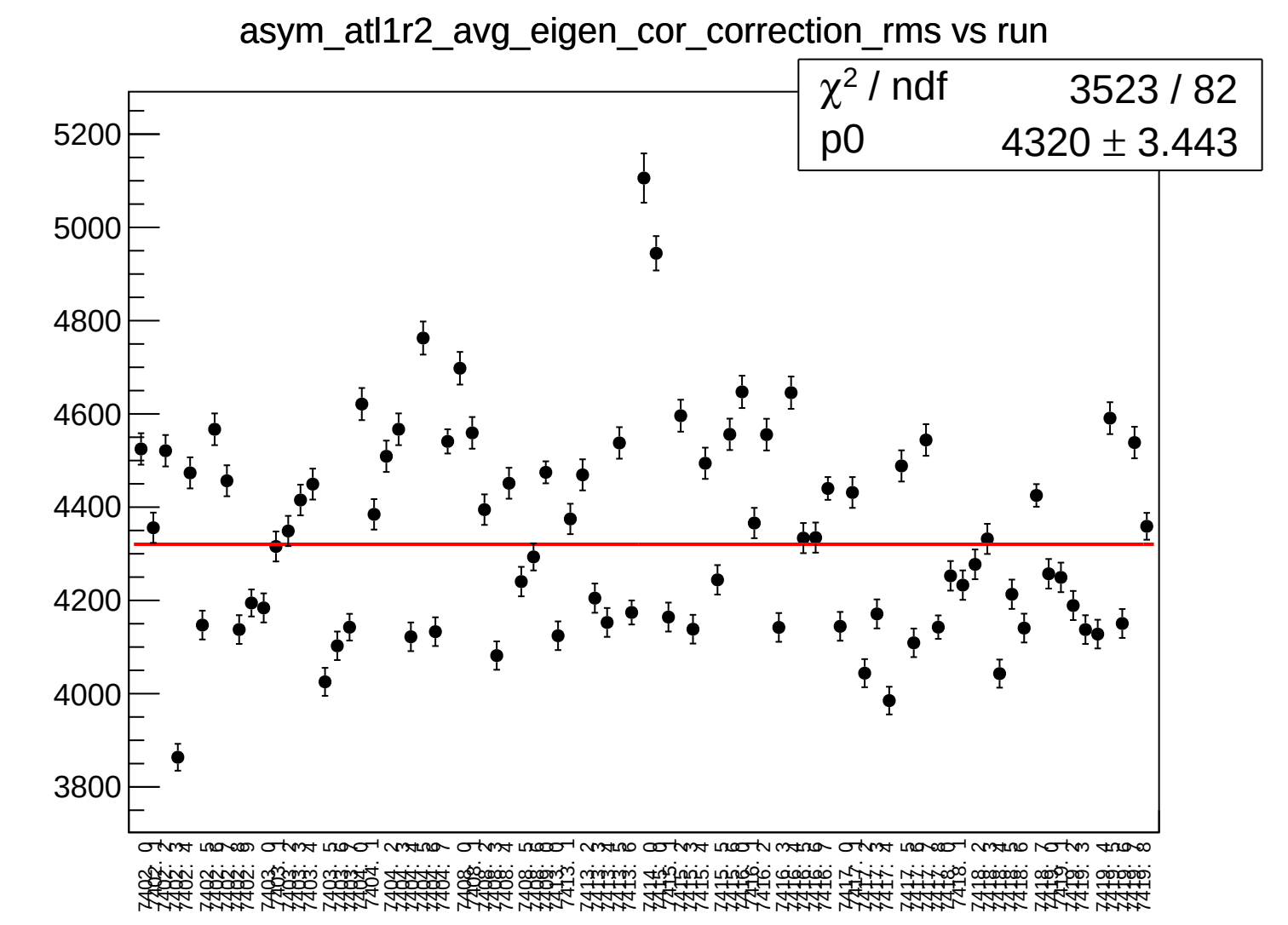

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 80.37 / 82
p0 2764 ± 1880
pull
Entries 83
Mean −1.21e+04
Std Dev 0

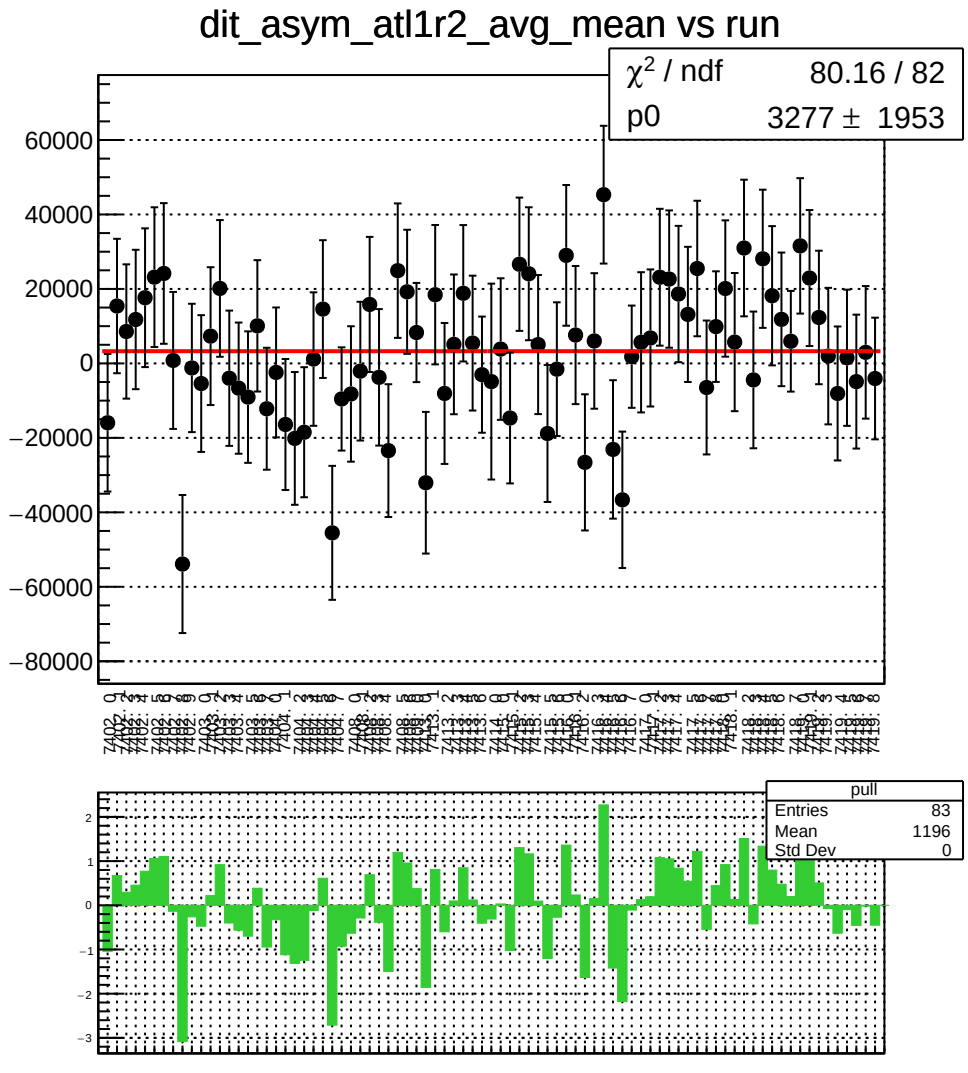

pull1D
Entries 83
Mean −0.0004256
Std Dev 0.984

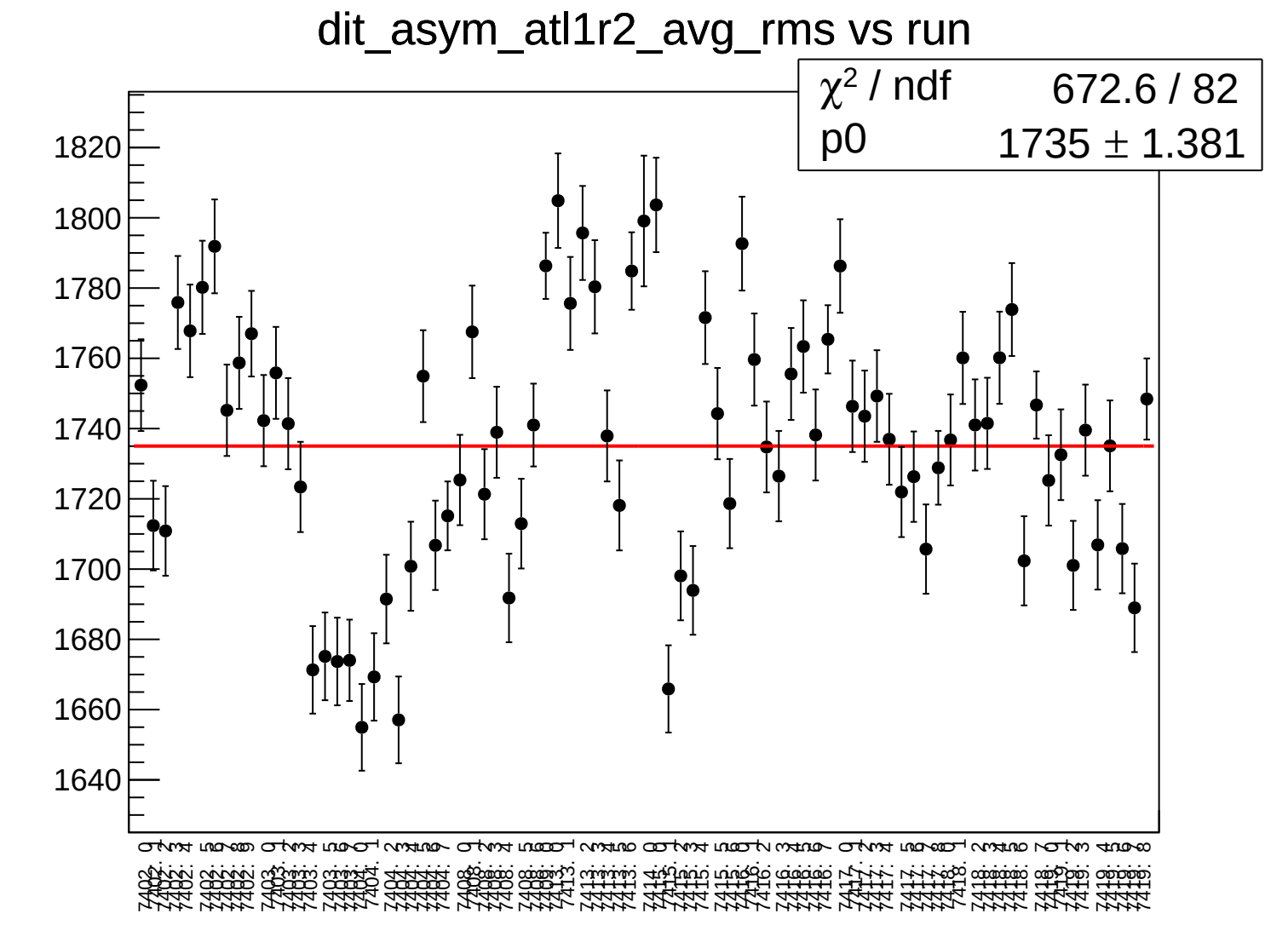

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 89.51 / 82
p0 1670 ± 1.329
1720
1700
1680
1660
1640
1620

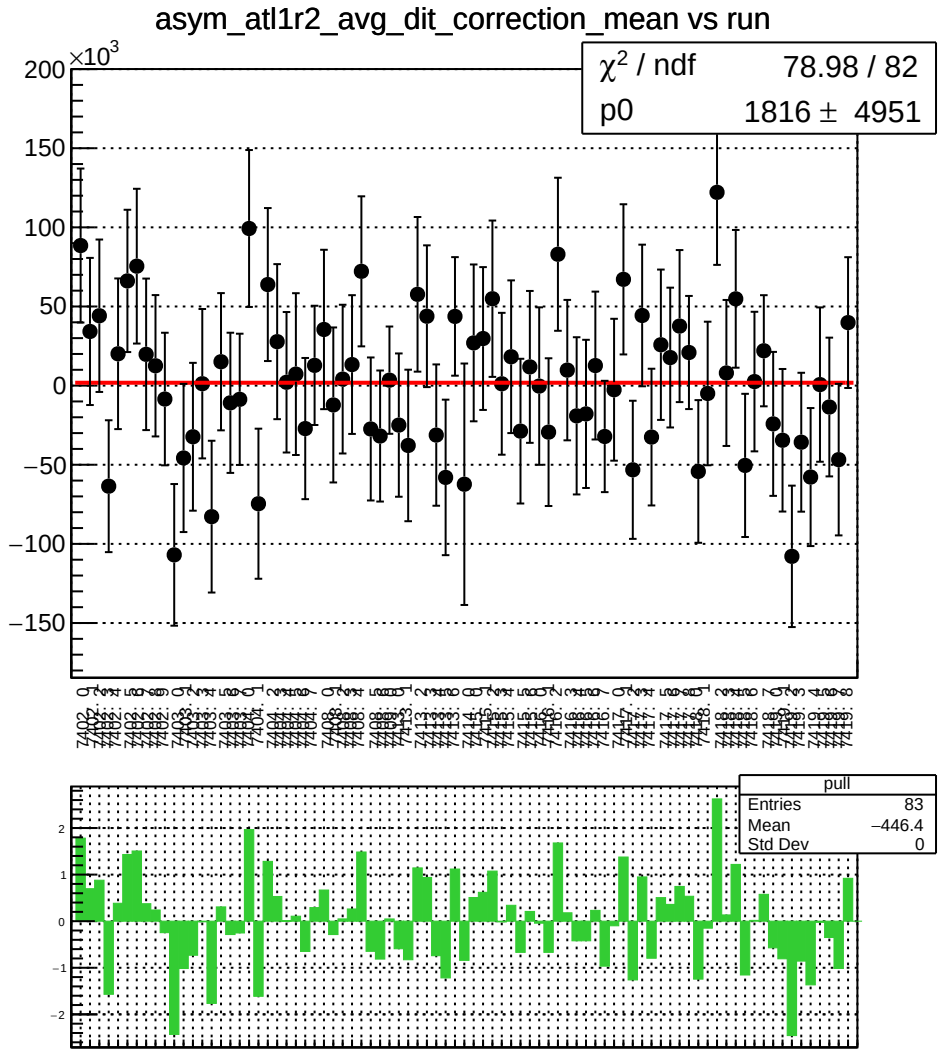

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 78.68 / 82
p0 1230 ± 4868
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −595
Std Dev 0
2
1
0
−1
−2

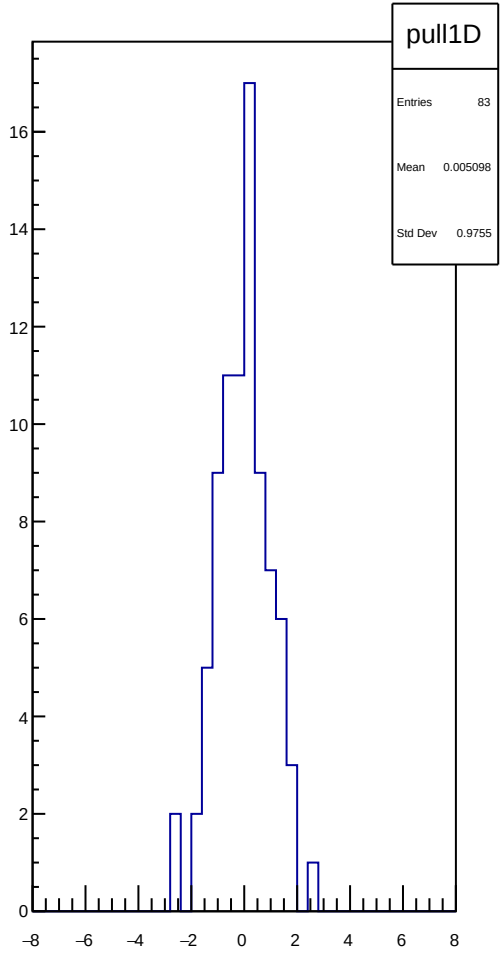

pull1D
Entries 83
Mean 0.00404
Std Dev 0.9736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

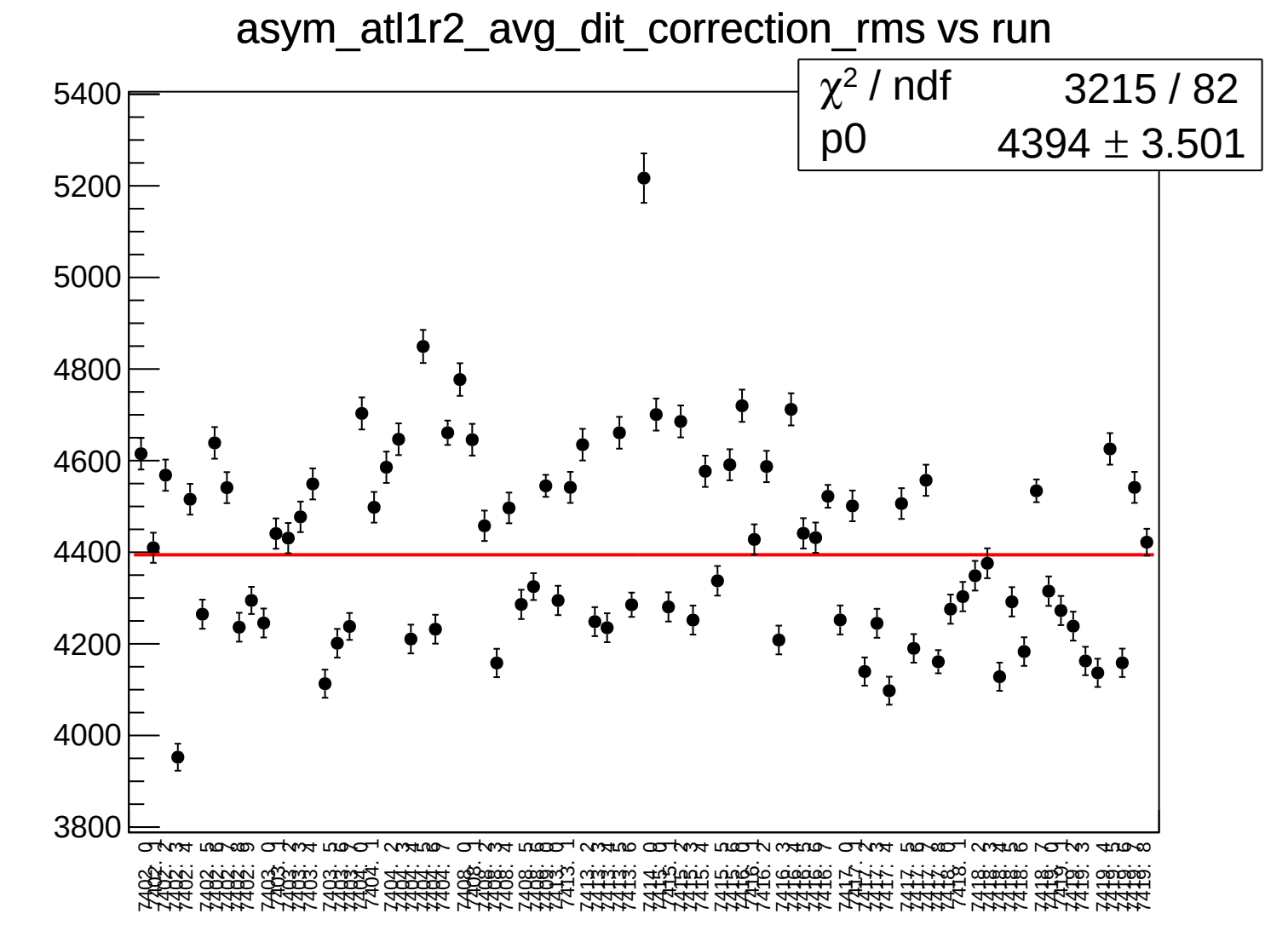

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3523 / 82
p0 4320 ± 3.443
5200
5000
4800
4600
4400
4200
4000
3800

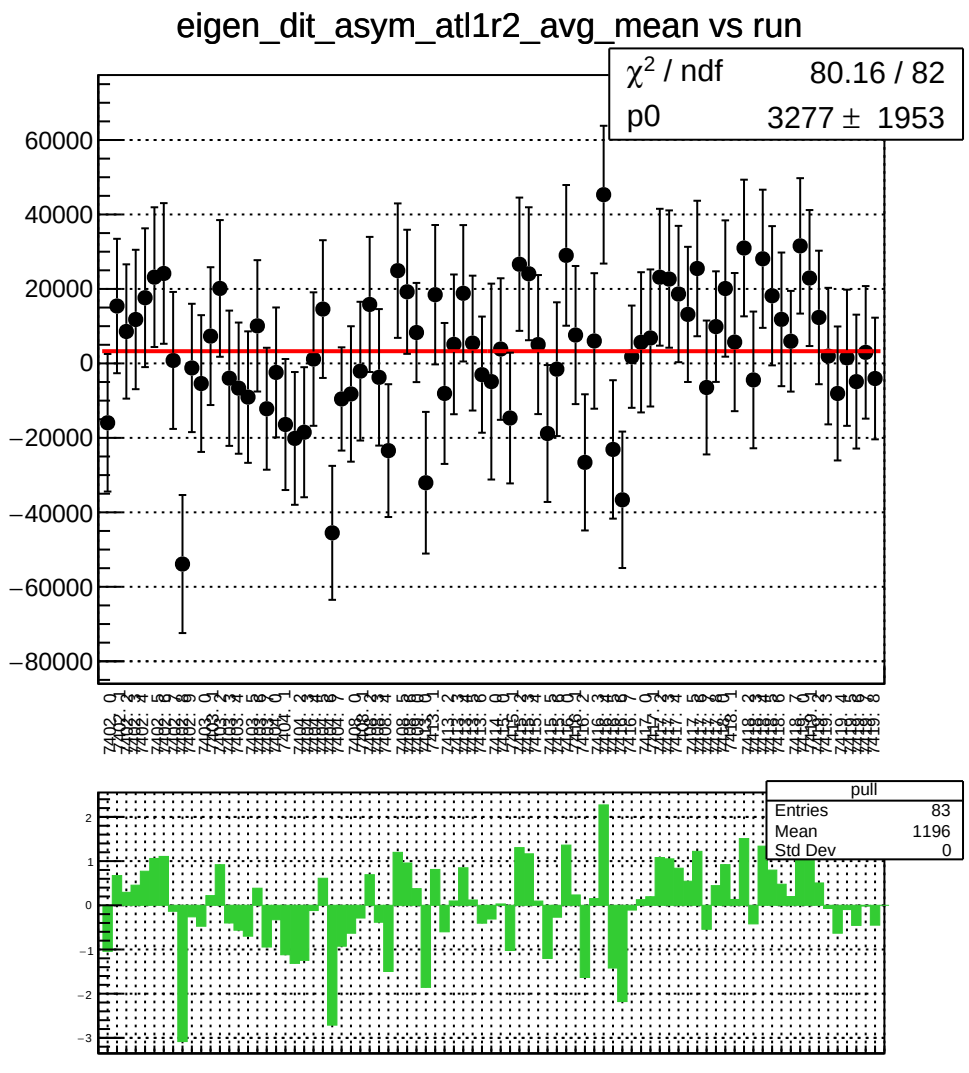

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 80.16 / 82
p0 3277 ± 1953
pull
Entries 83
Mean 1196
Std Dev 0
pull1D
Entries 83
Mean 0.004509
Std Dev 0.9827

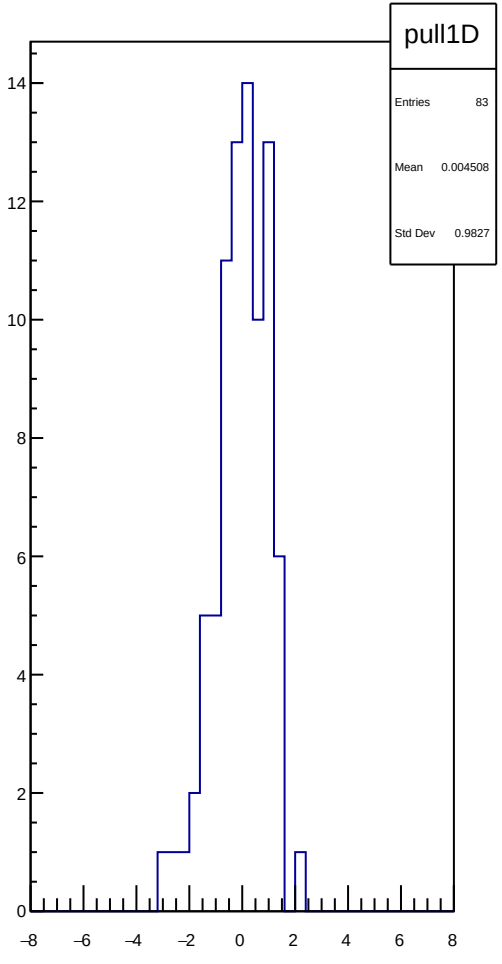

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 672.6 / 82
p0 1735 ± 1.381
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640

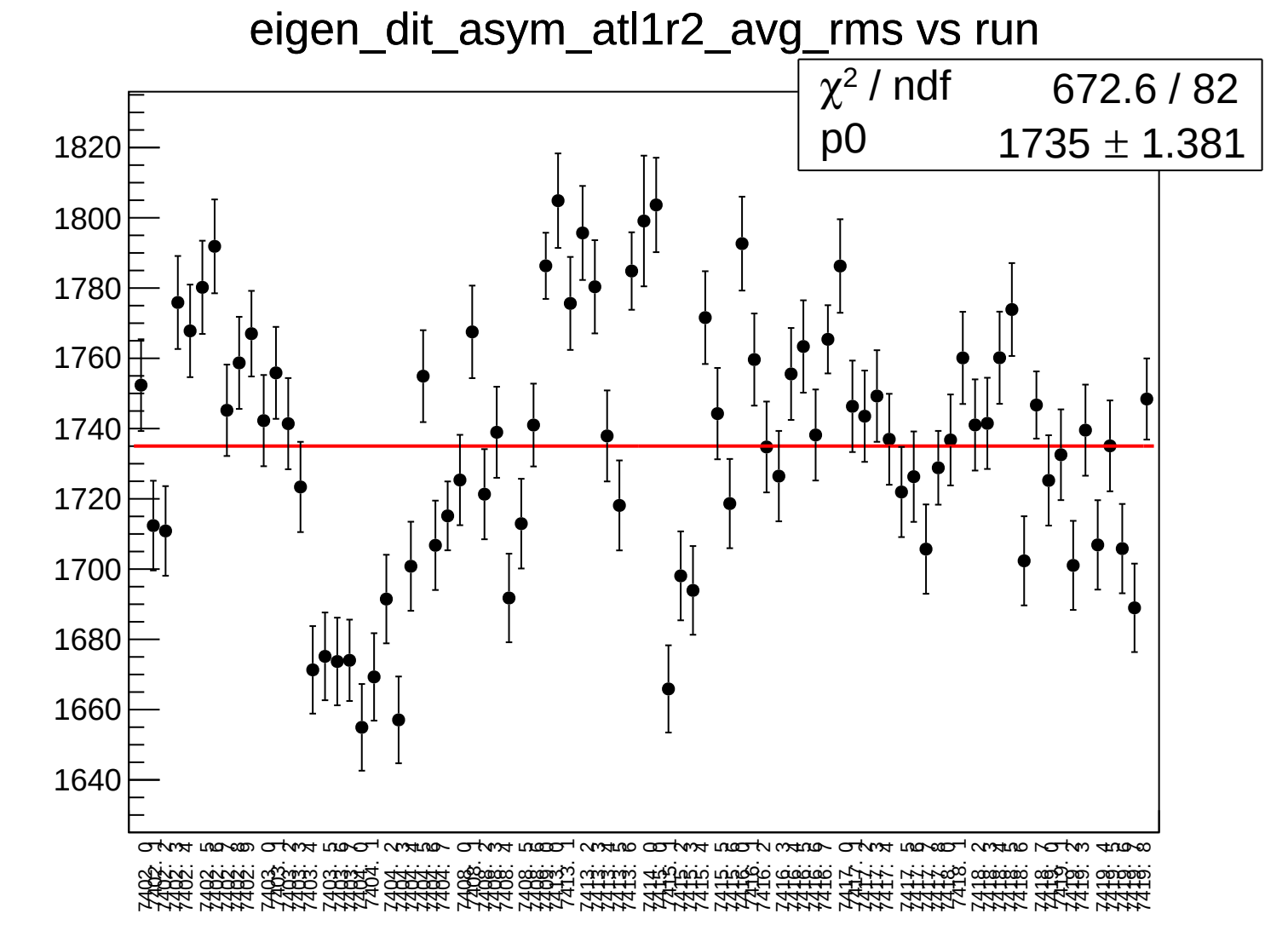

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 78.98 / 82
p0 1816 ± 4951
×10³
pull
Entries 83
Mean −446.4
Std Dev 0

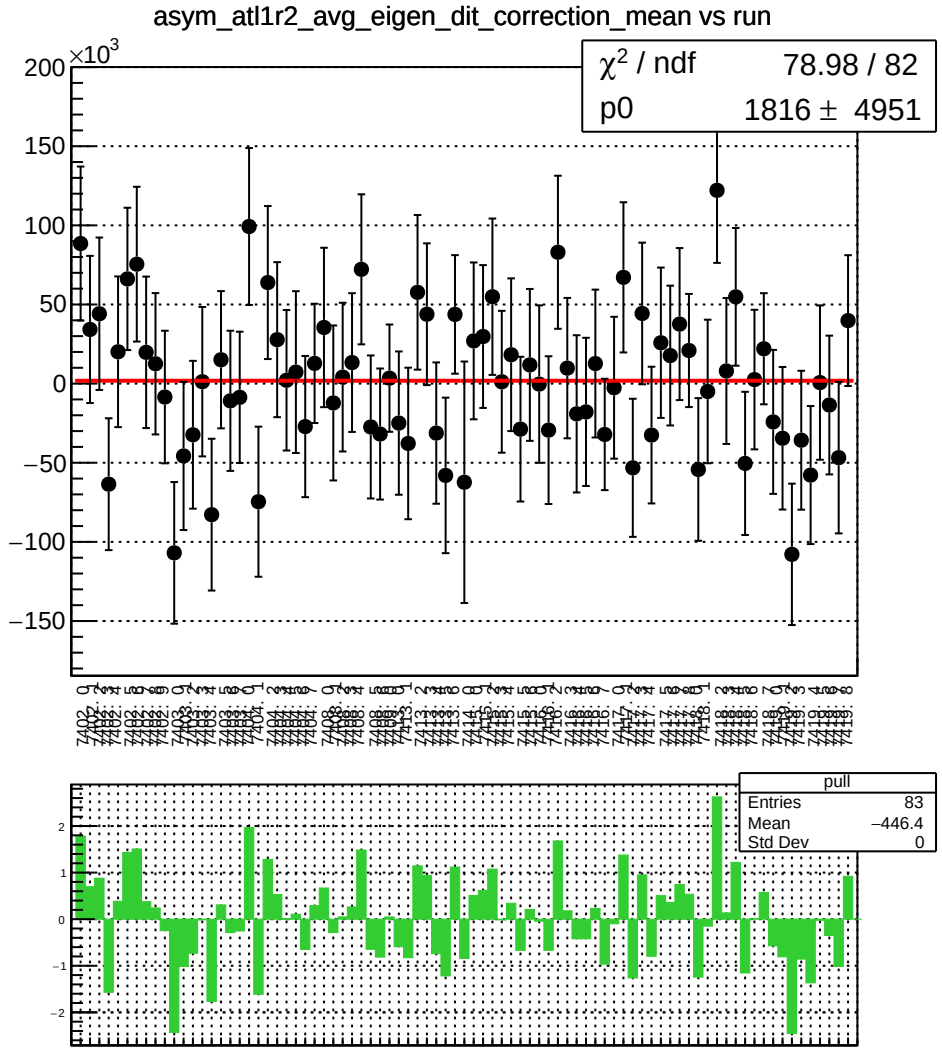

pull1D
Entries 83
Mean 0.005098
Std Dev 0.9755

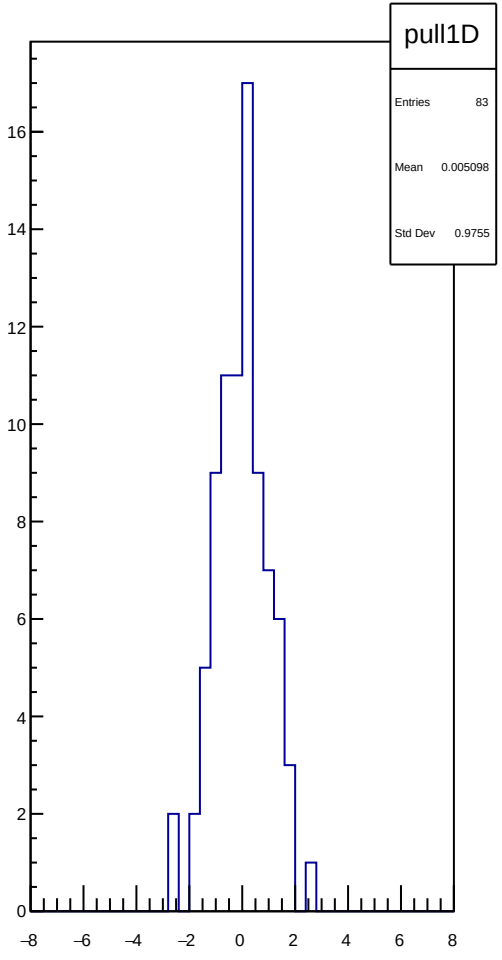

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 3215 / 82
p0 4394 ± 3.501
5400
5200
5000
4800
4600
4400
4200
4000
3800

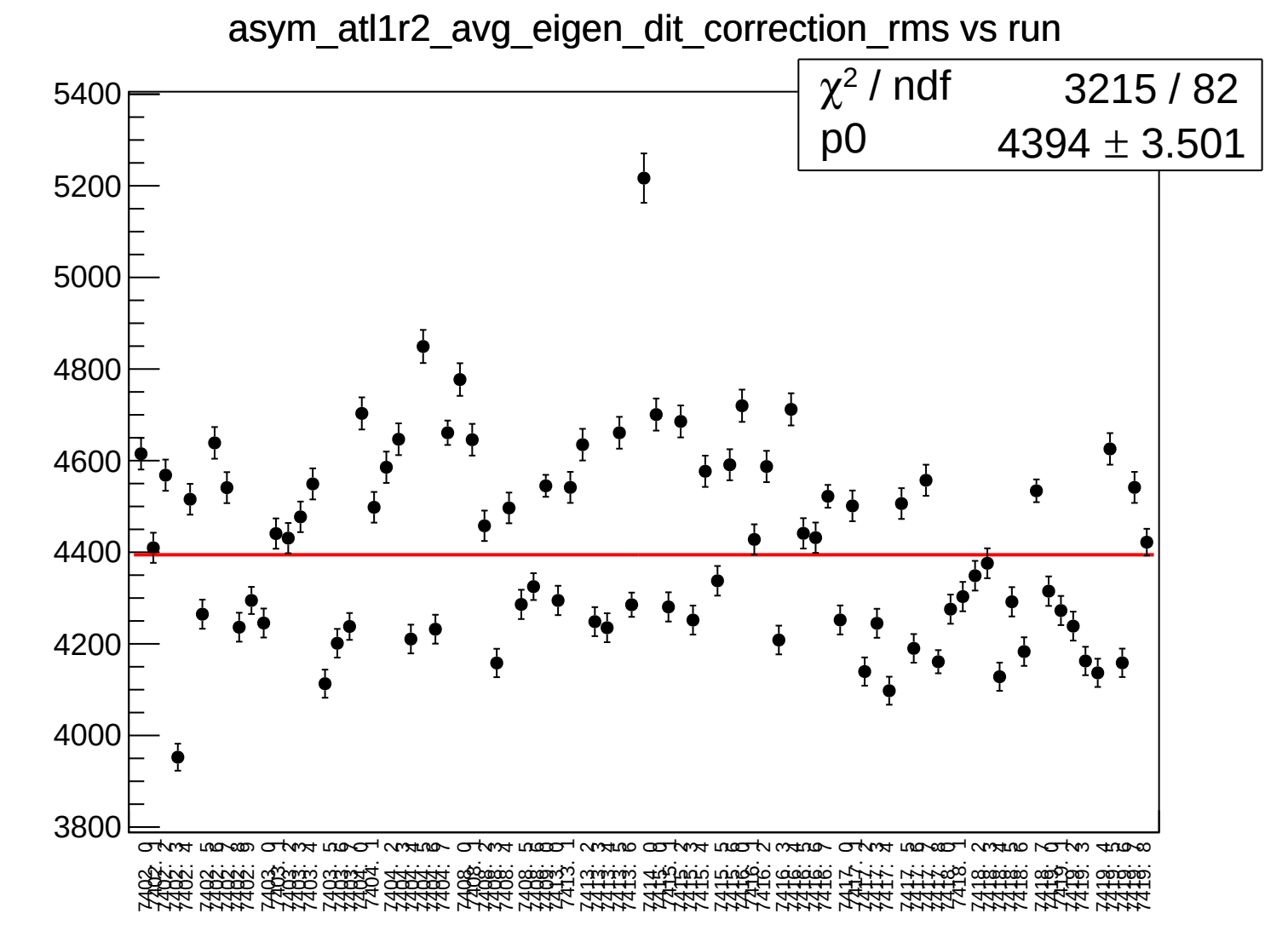

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 80.16 / 82
p0 3277 ± 1953
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 1196
Std Dev 0
2
1
0
−1
−2
−3

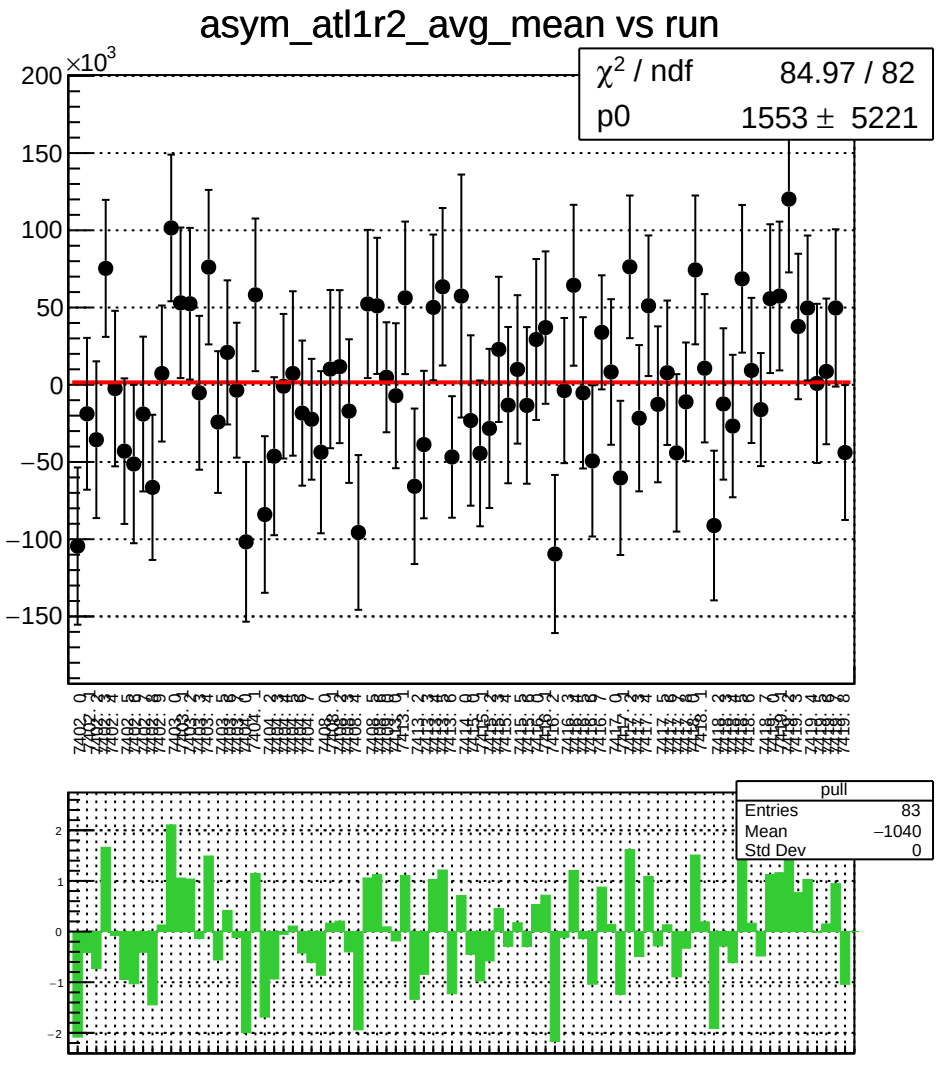

pull1D
Entries 83
Mean 0.004508
Std Dev 0.9827
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

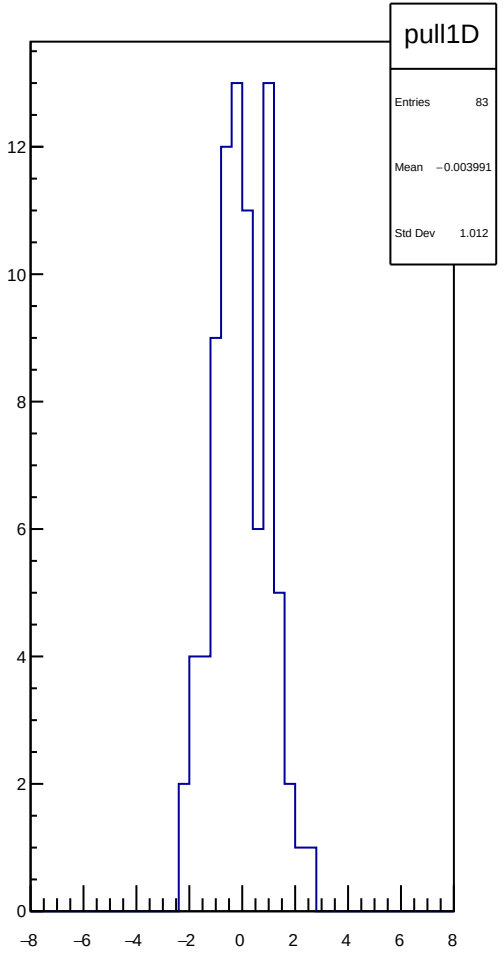

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 672.6 / 82
p0 1735 ± 1.381
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640

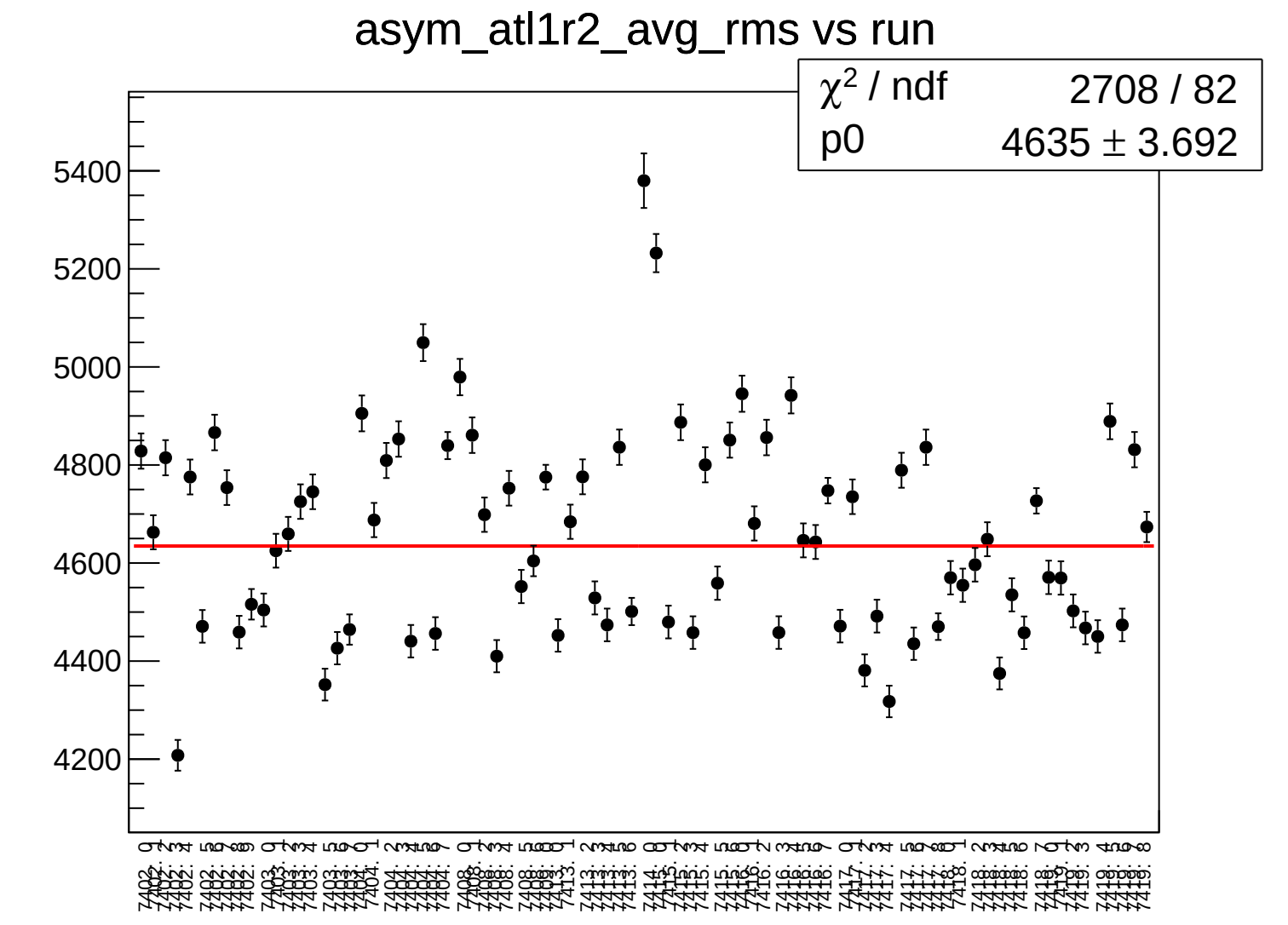

asym_atl1r2_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.98 / 82
p0 1816 ± 4951
×10³
pull
Entries 83
Mean −446.4
Std Dev 0

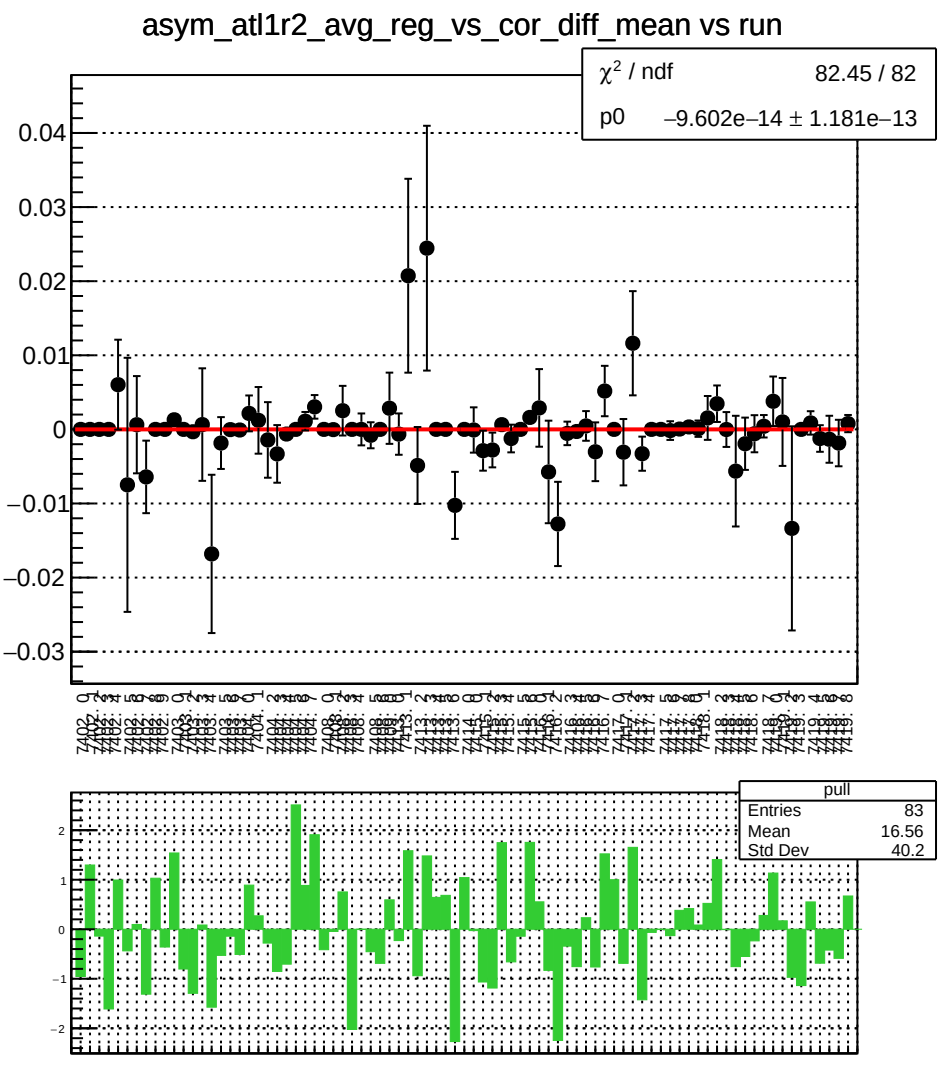

pull1D
Entries 83
Mean 0.005098
Std Dev 0.9755

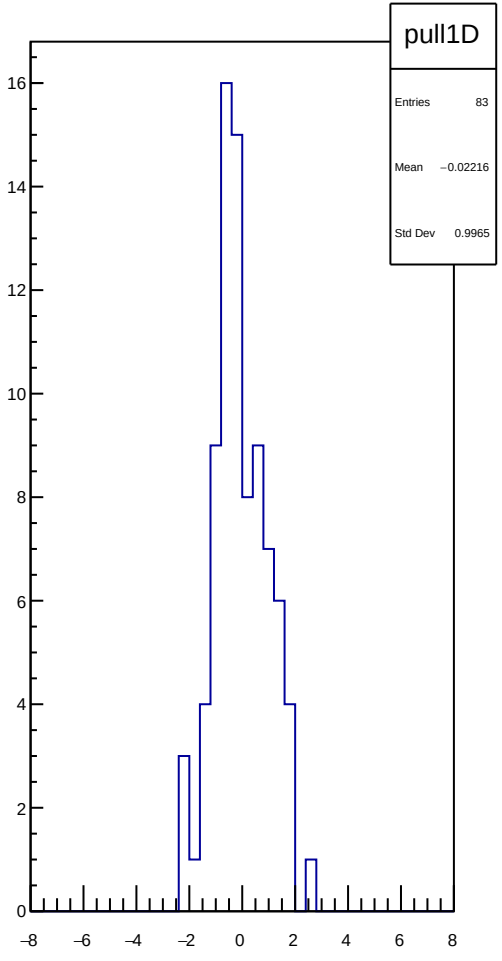

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3215 / 82
p0 4394 ± 3.501
5400
5200
5000
4800
4600
4400
4200
4000
3800

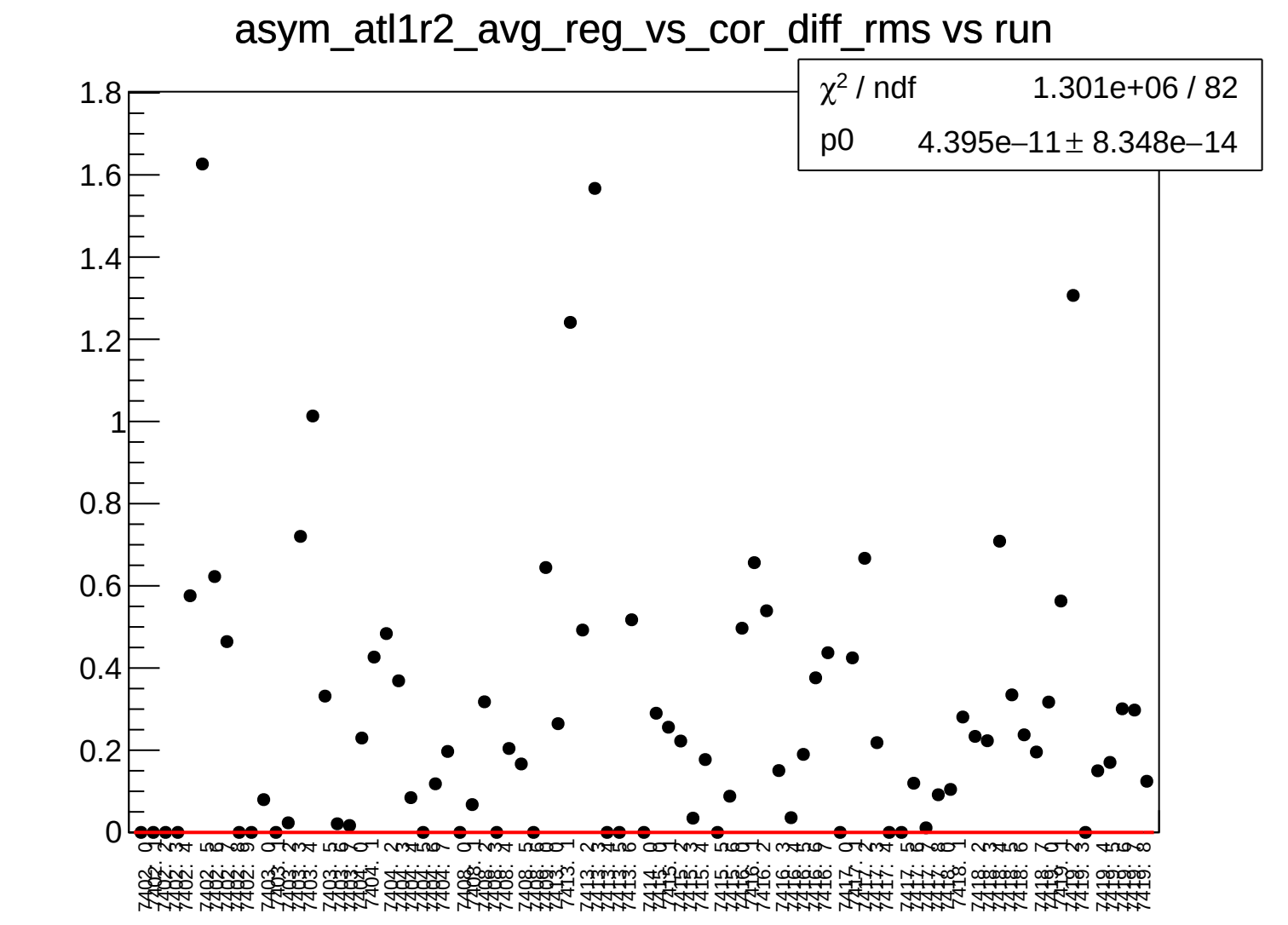

asym_atl1r2_avg_mean vs run
χ² / ndf 84.97 / 82
p0 1553 ± 5221
×10³
200
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1040
Std Dev 0
2
1
0
−1
−2

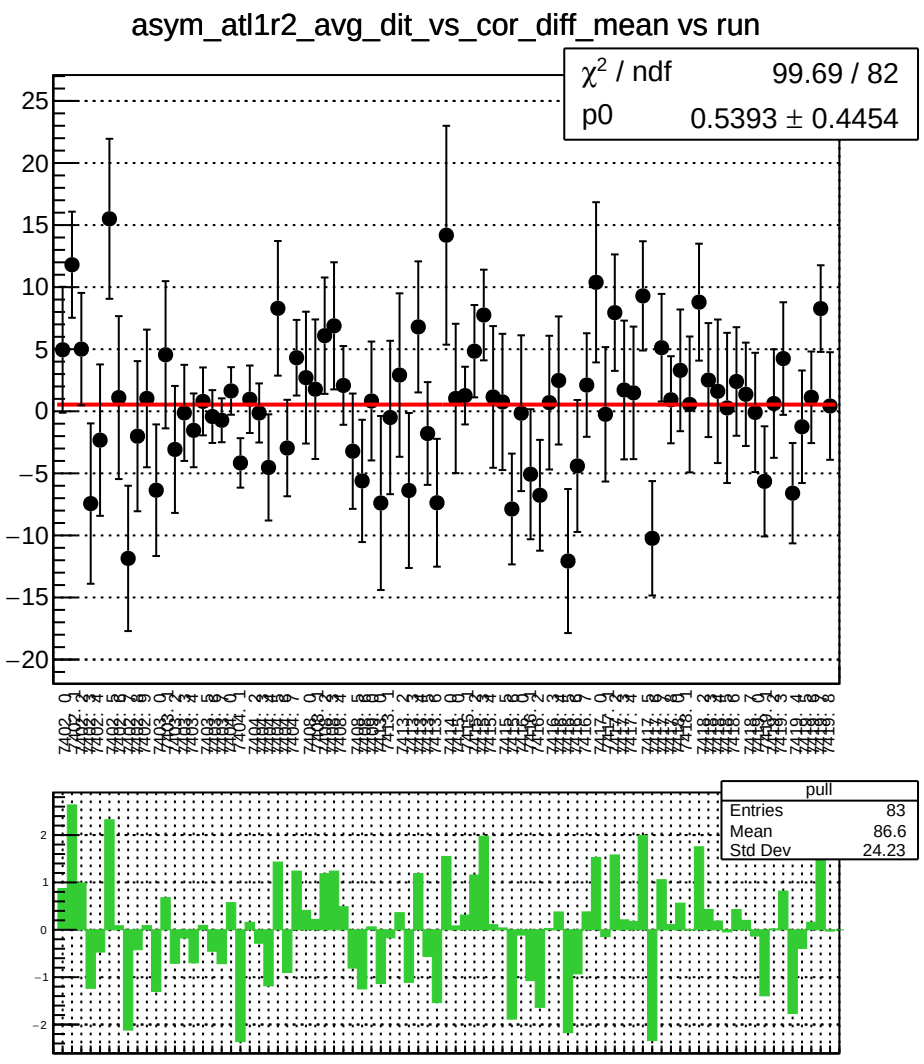

pull1D
Entries 83
Mean −0.003991
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

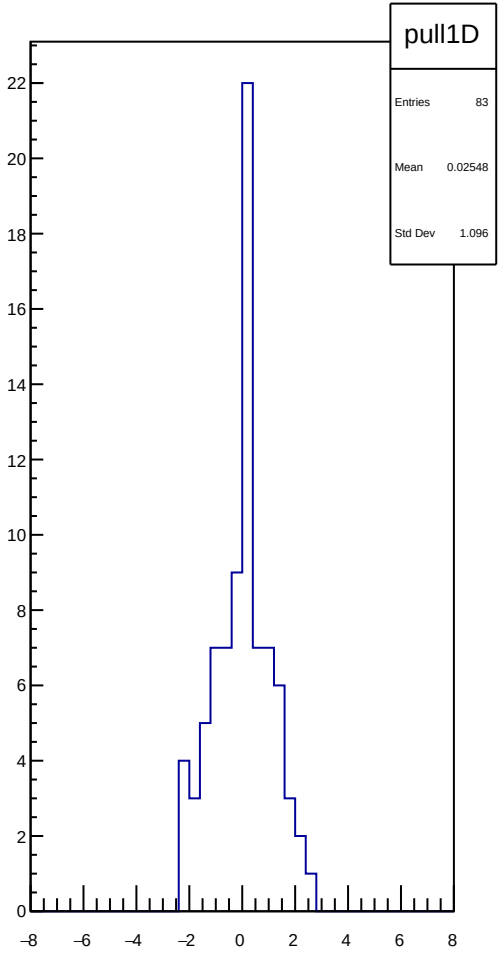

asym_atl1r2_avg_rms vs run
χ² / ndf 2708 / 82
p0 4635 ± 3.692
5400
5200
5000
4800
4600
4400
4200

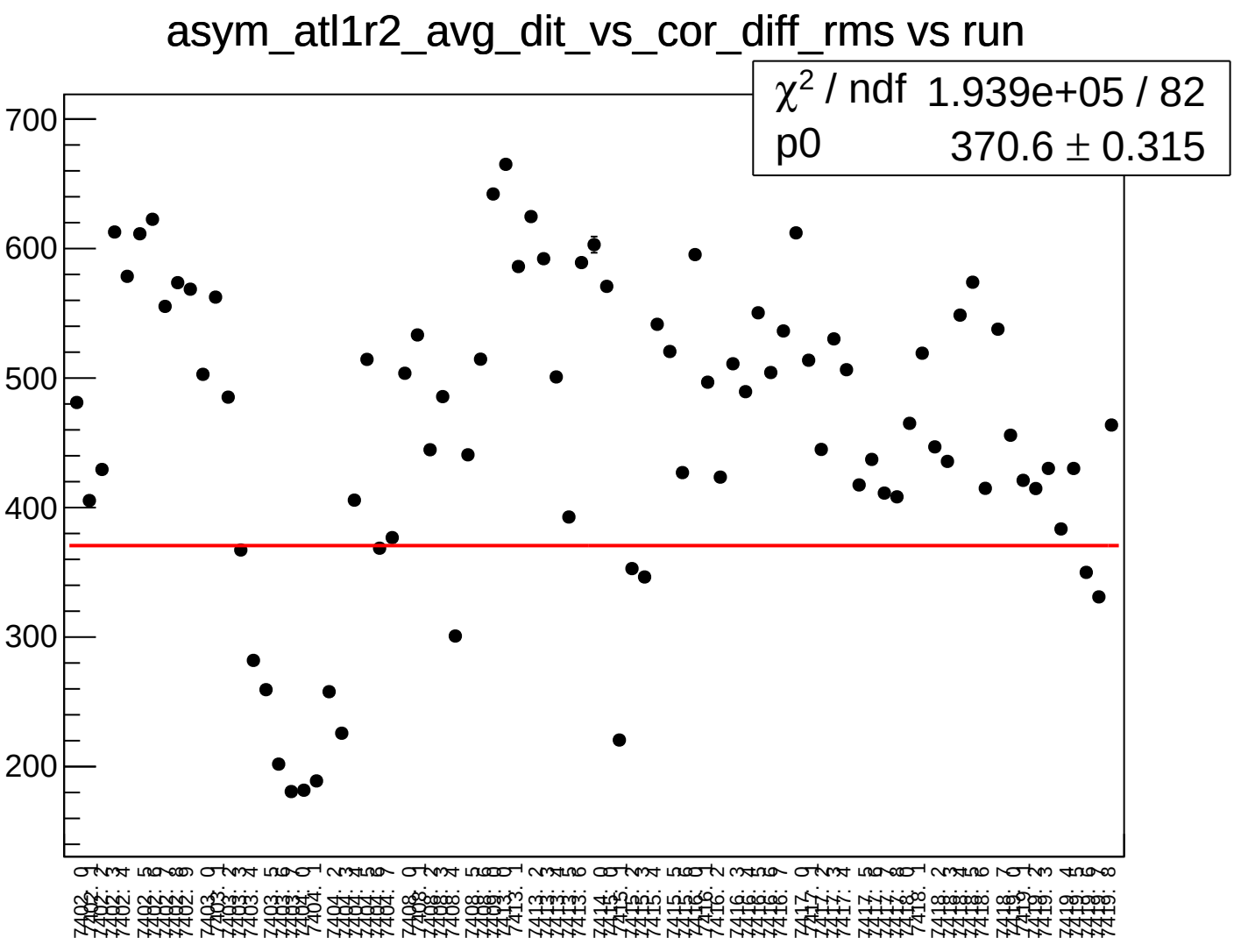

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.45 / 82
p0 −9.602e−14 ± 1.181e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean 16.56
Std Dev 40.2
2
1
0
−1
−2

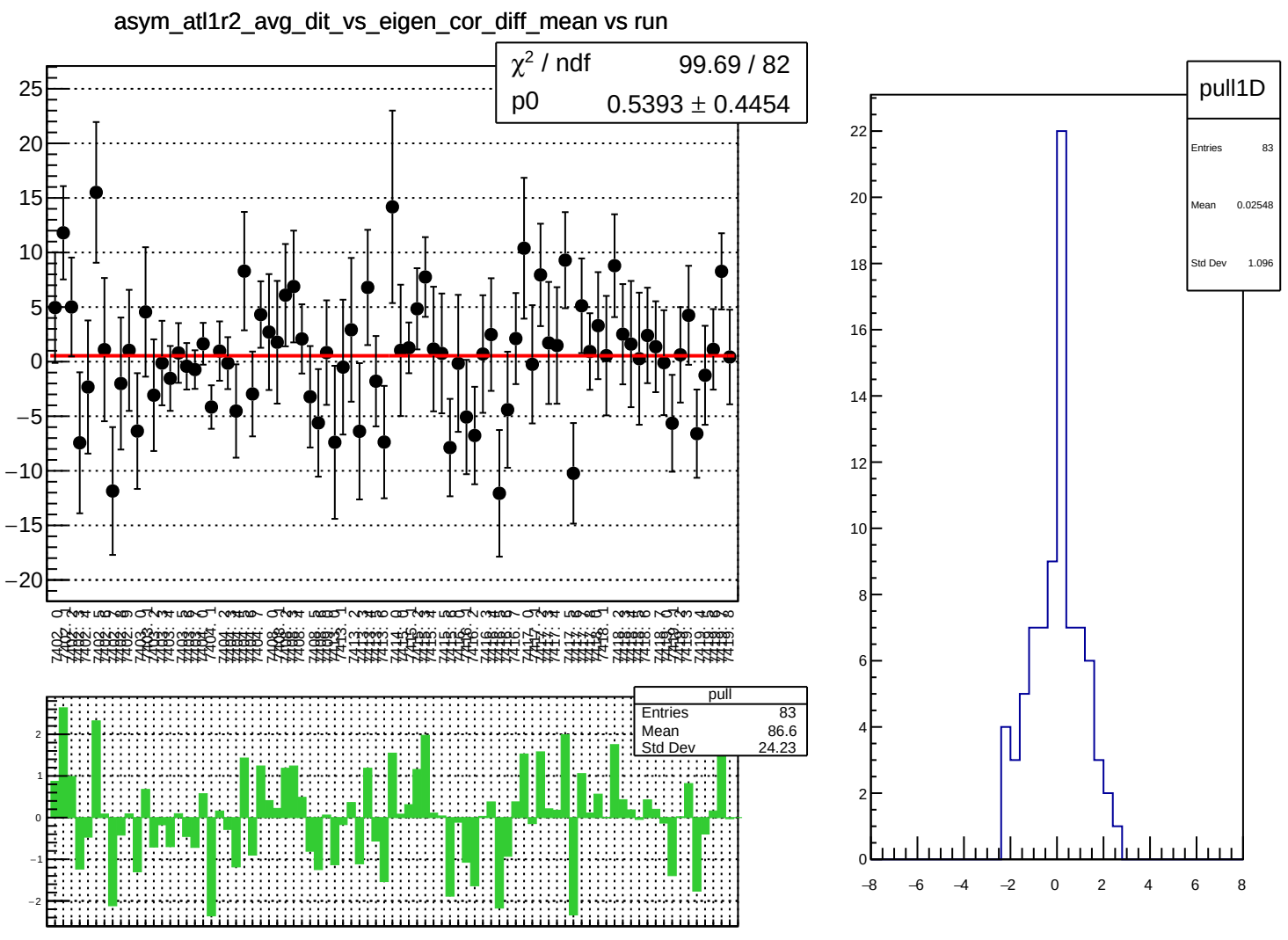

pull1D
Entries 83
Mean −0.02216
Std Dev 0.9965
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

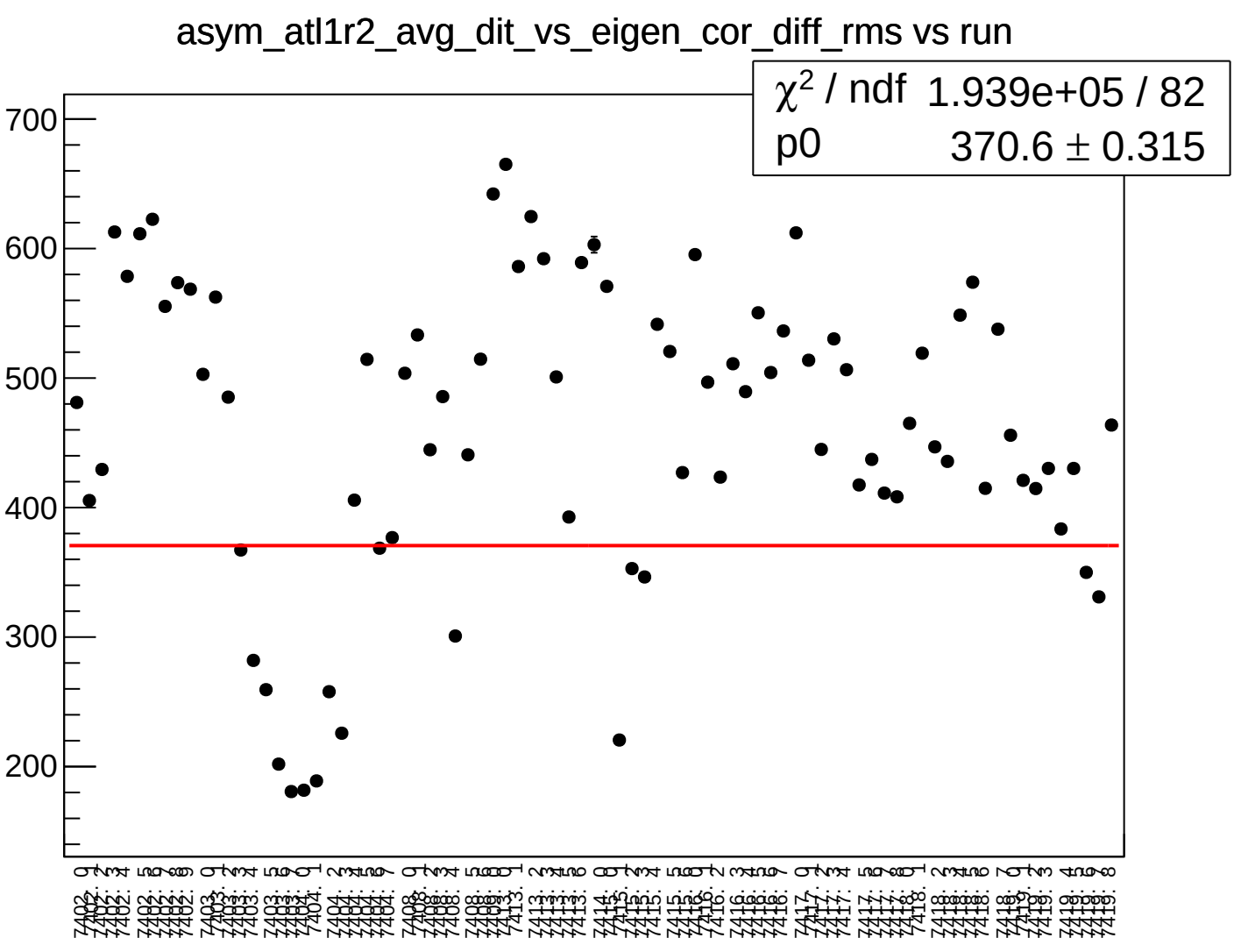

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.301e+06 / 82
p0 4.395e−11 ± 8.348e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

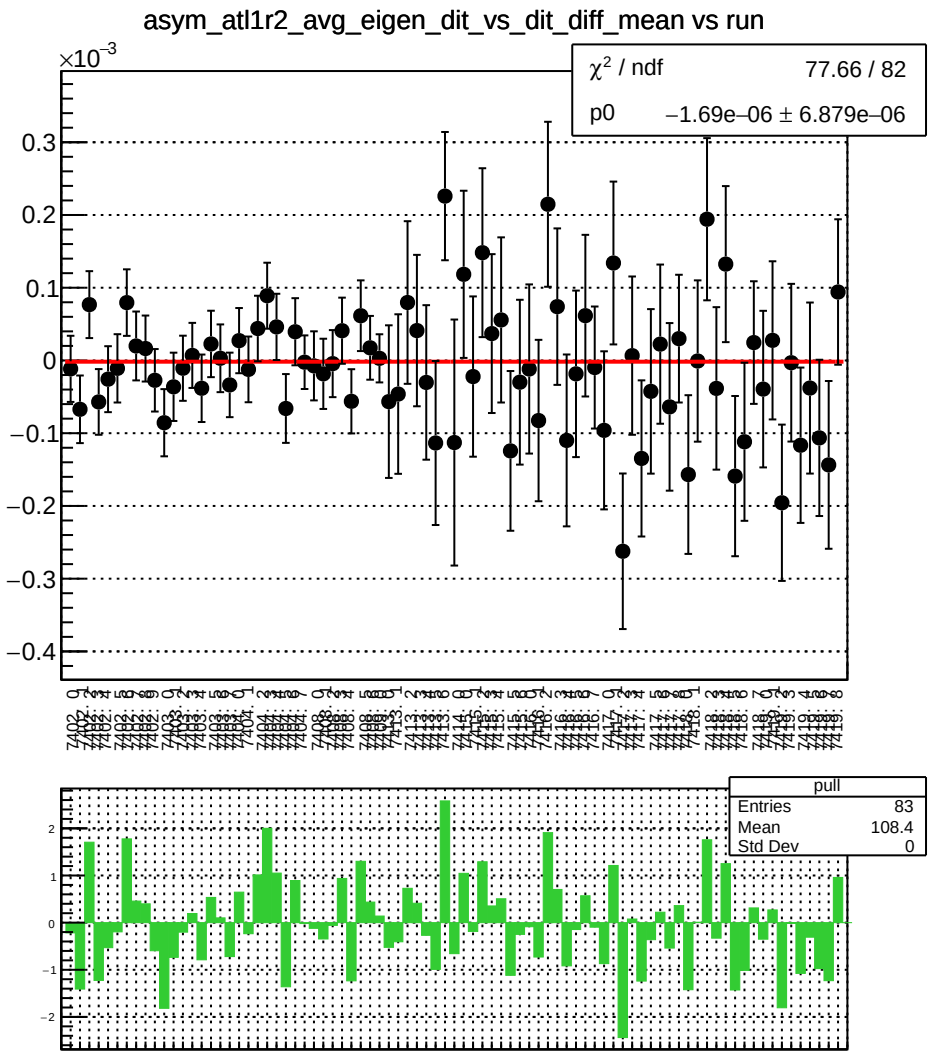

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 99.69 / 82
p0 0.5393 ± 0.4454
pull
Entries 83
Mean 86.6
Std Dev 24.23

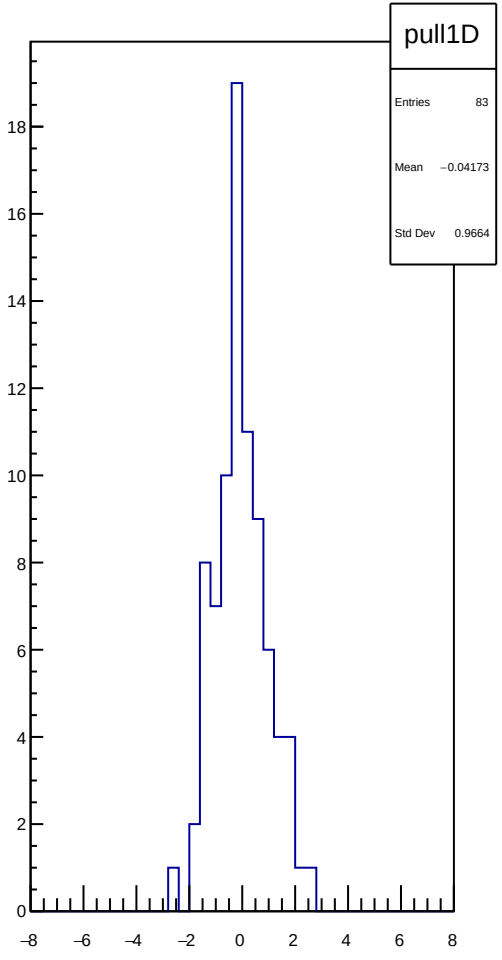

pull1D
Entries 83
Mean 0.02548
Std Dev 1.096

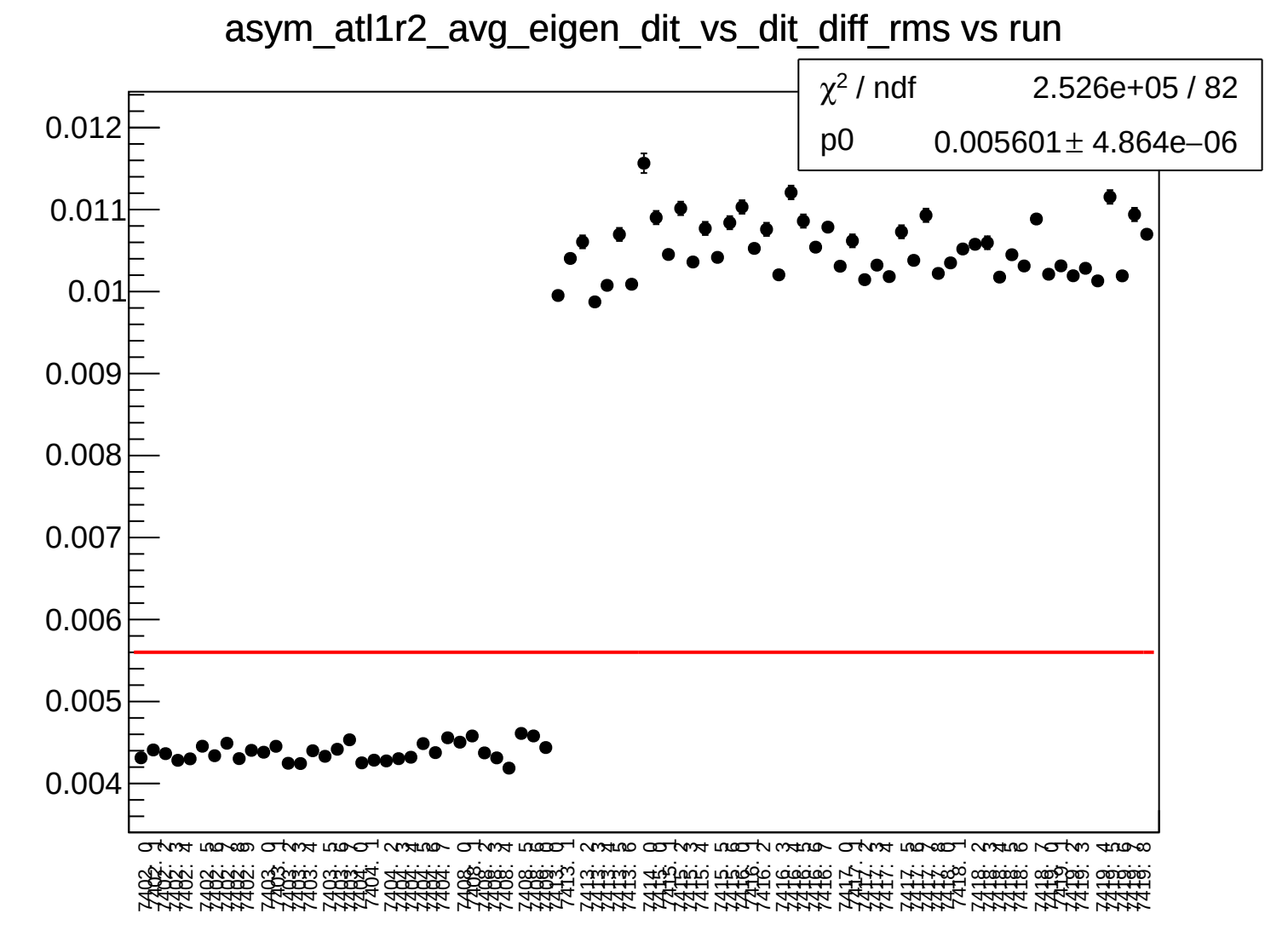

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.939e+05 / 82
p0 370.6 ± 0.315
700
600
500
400
300
200

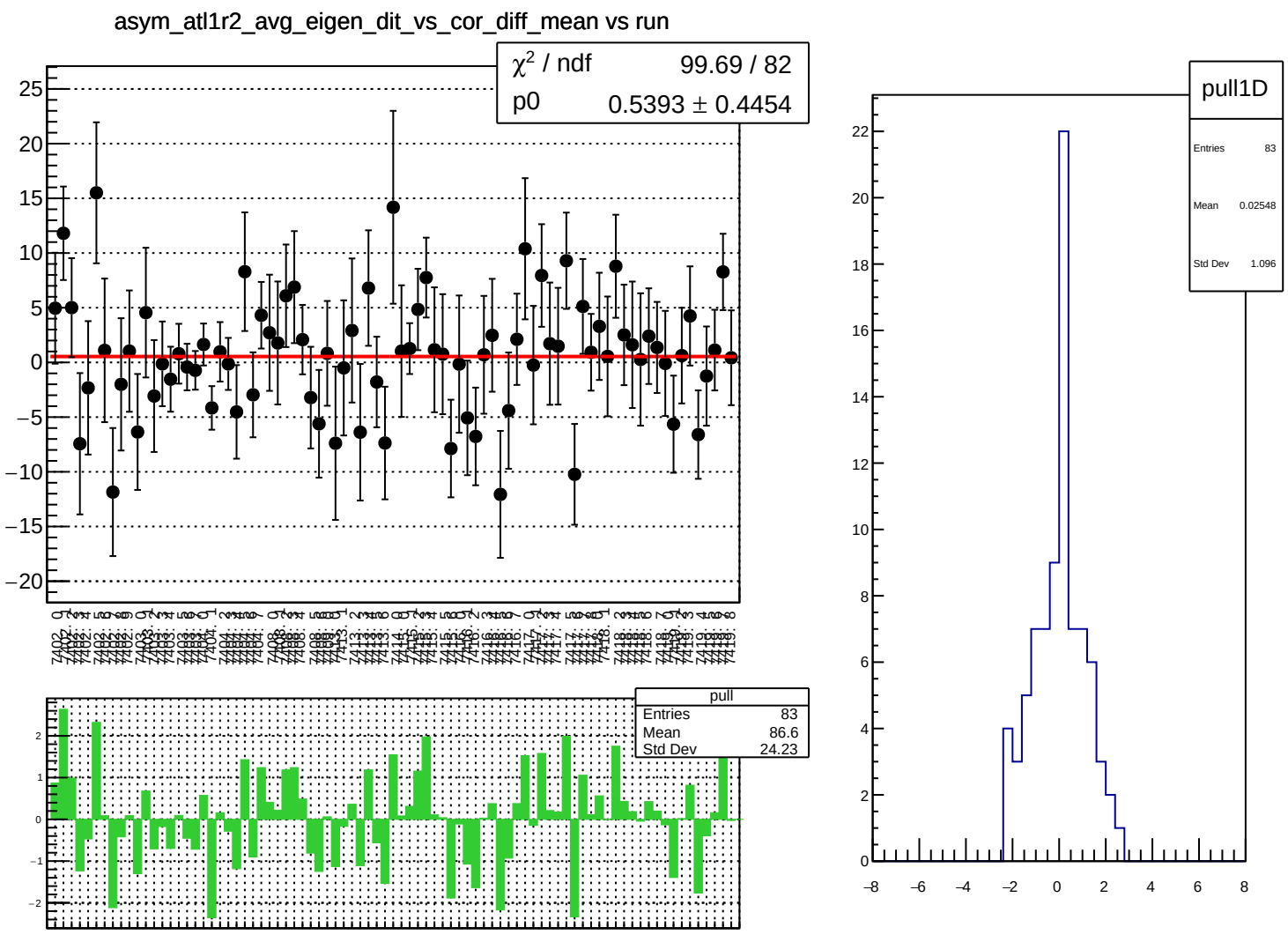

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.69 / 82
p0 0.5393 ± 0.4454
pull
Entries 83
Mean 86.6
Std Dev 24.23
pull1D
Entries 83
Mean 0.02548
Std Dev 1.096

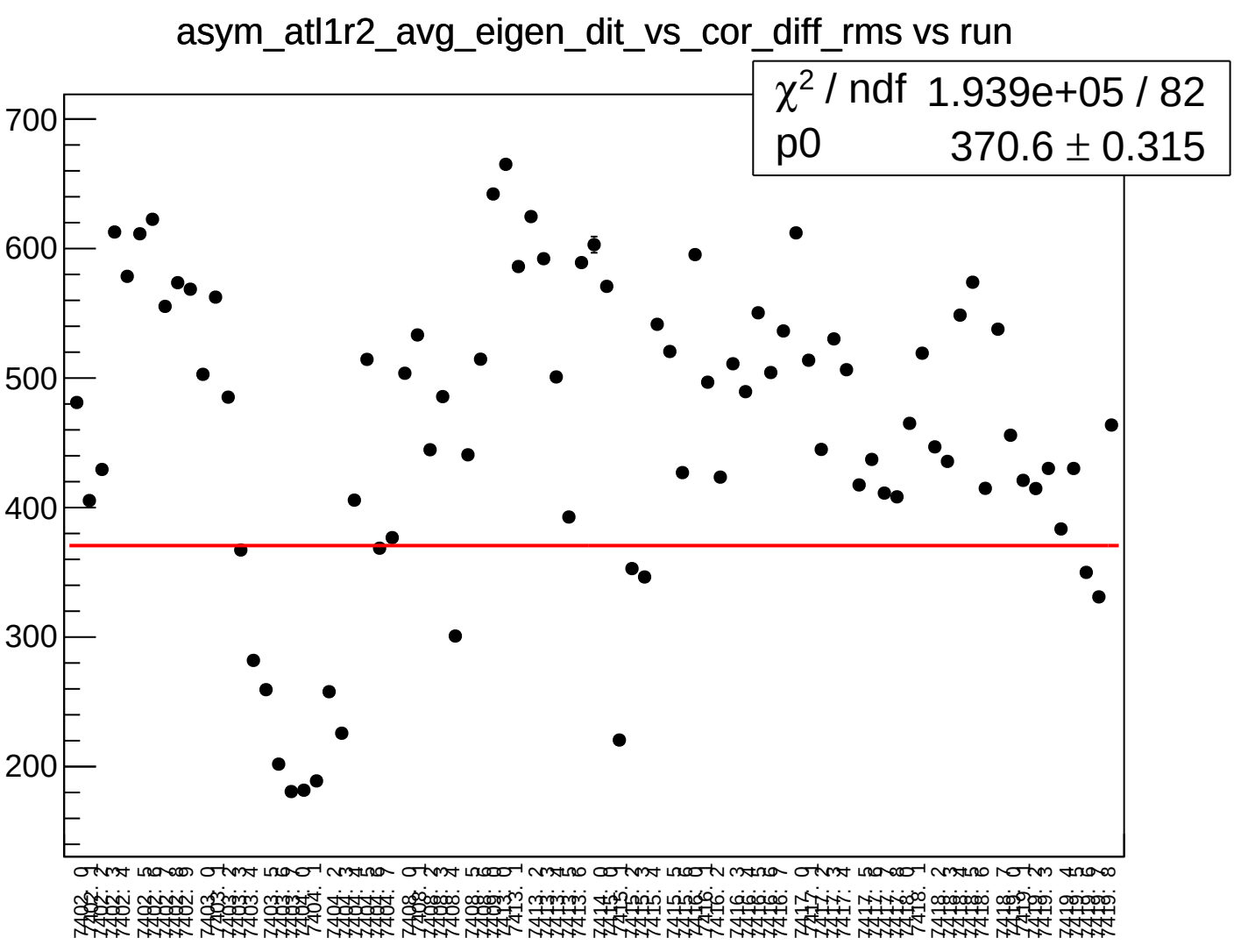

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.939e+05 / 82
p0 370.6 ± 0.315
700
600
500
400
300
200

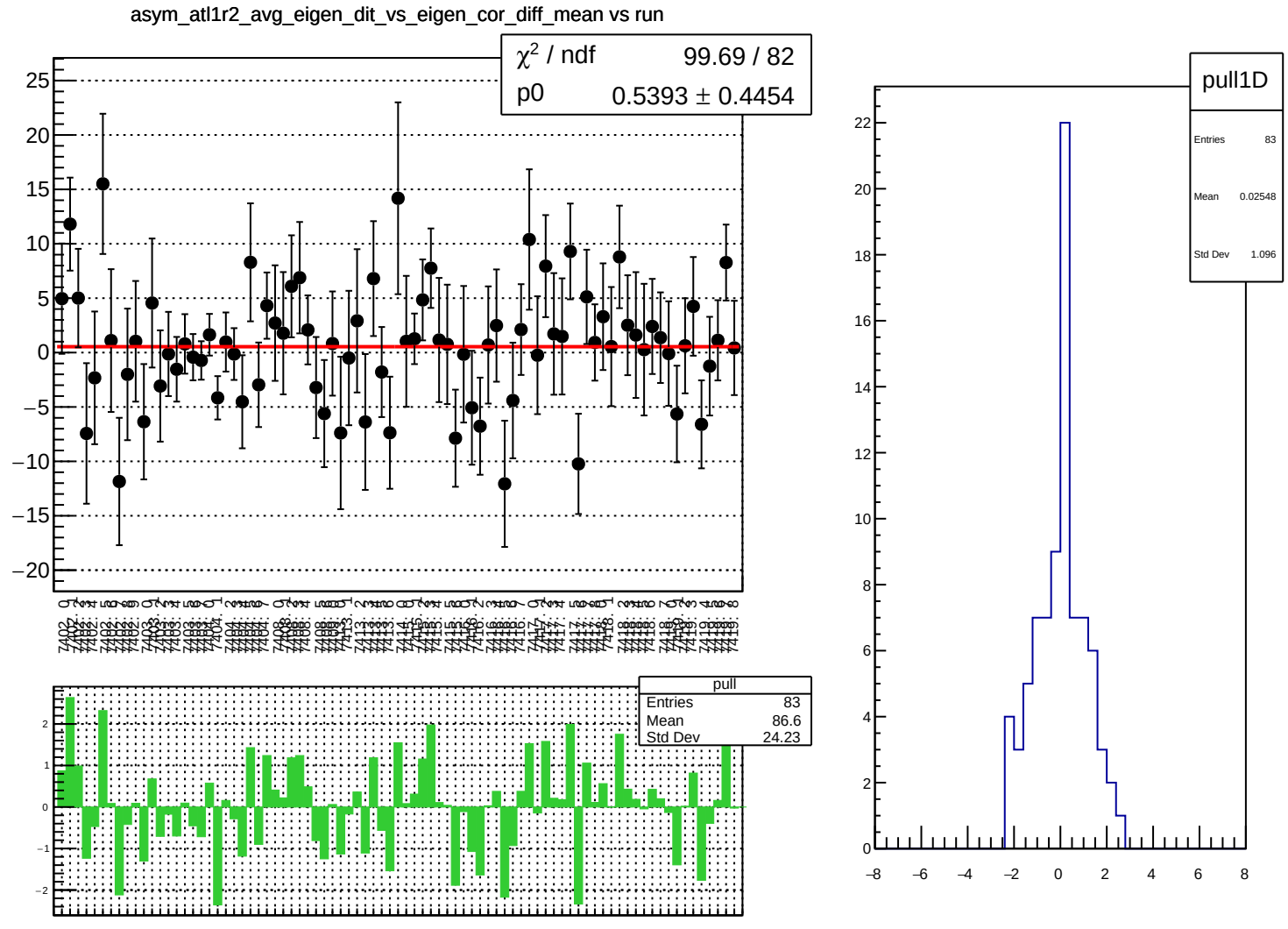

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.66 / 82
p0 −1.69e−06 ± 6.879e−06
pull
Entries 83
Mean 108.4
Std Dev 0

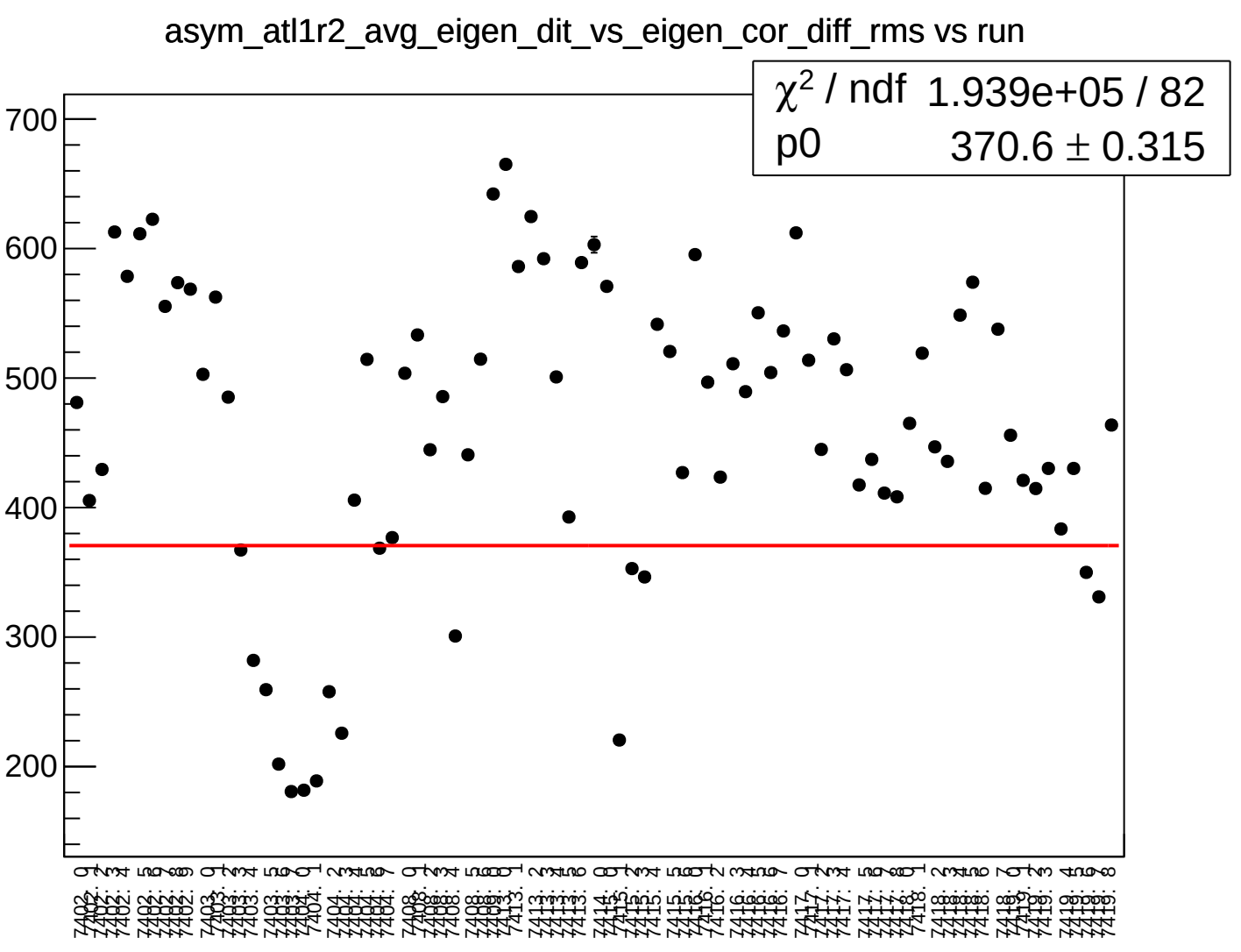

pull1D
Entries 83
Mean −0.04173
Std Dev 0.9664

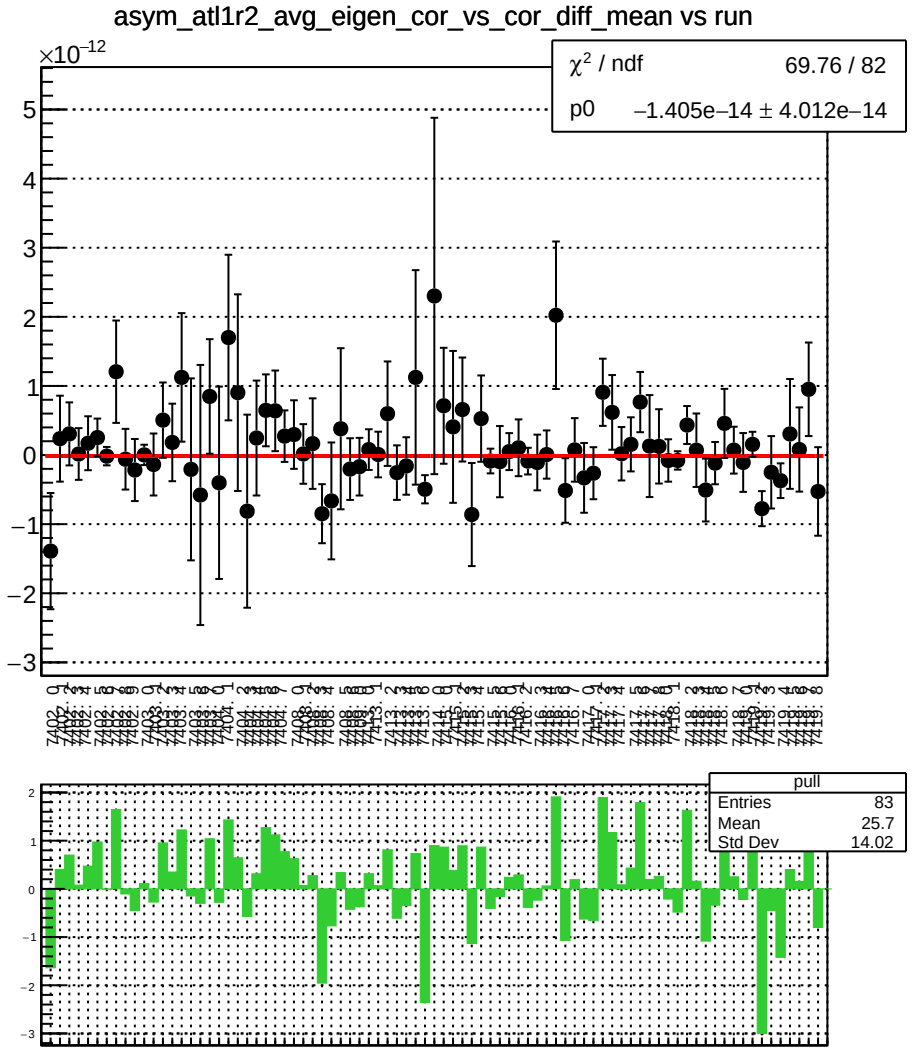

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.526e+05 / 82
p0 0.005601 ± 4.864e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

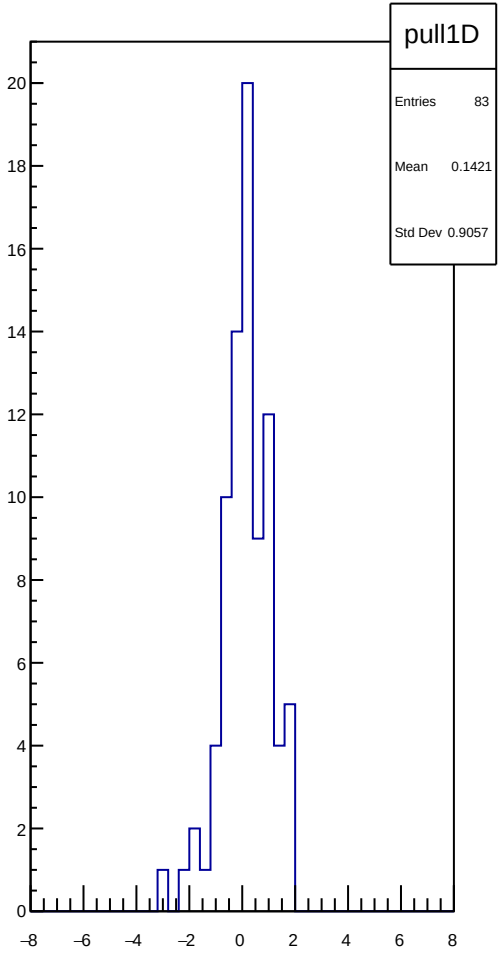

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.69 / 82
p0 0.5393 ± 0.4454
pull
Entries 83
Mean 86.6
Std Dev 24.23
pull1D
Entries 83
Mean 0.02548
Std Dev 1.096

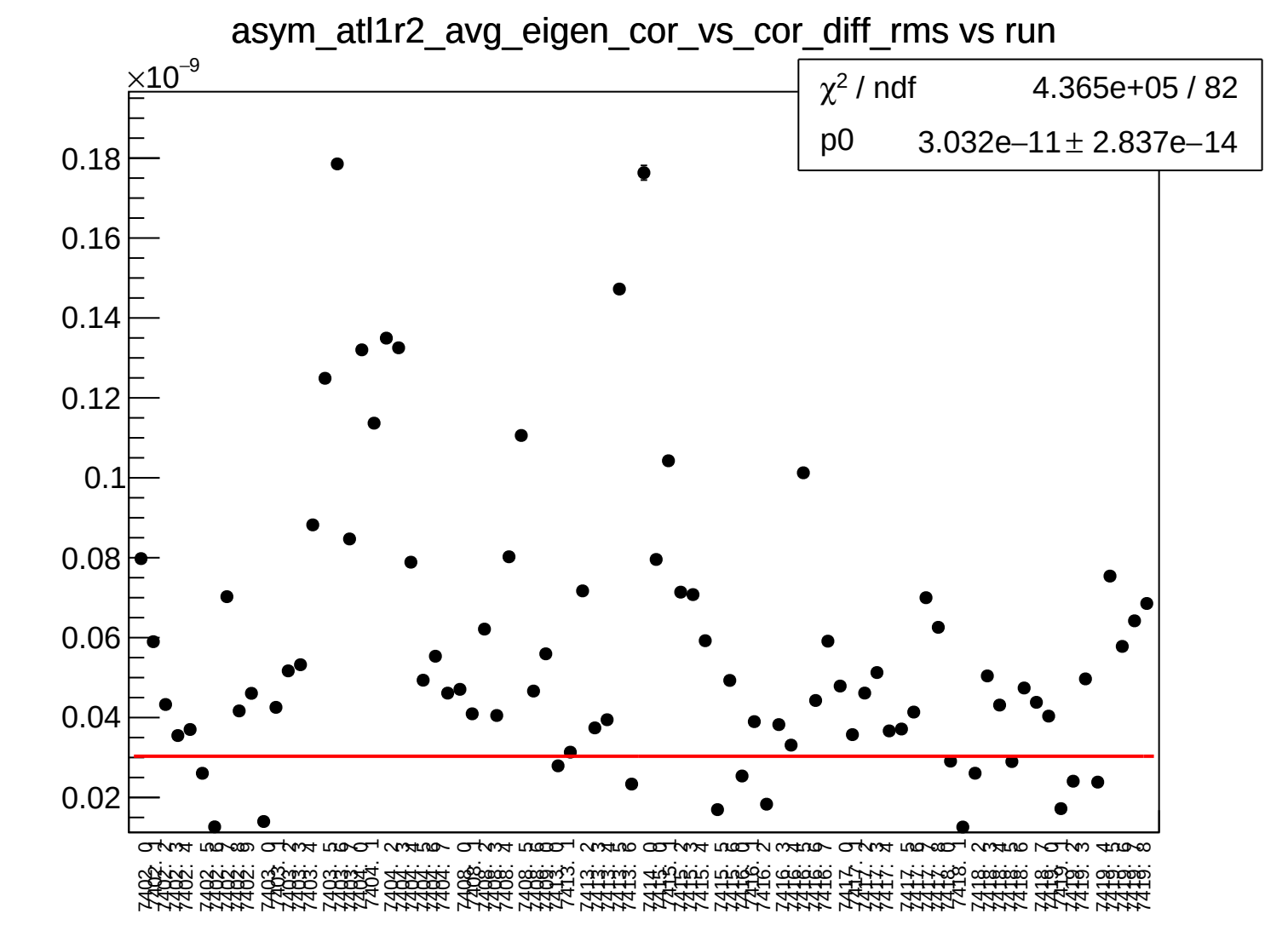

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.939e+05 / 82
p0 370.6 ± 0.315
700
600
500
400
300
200

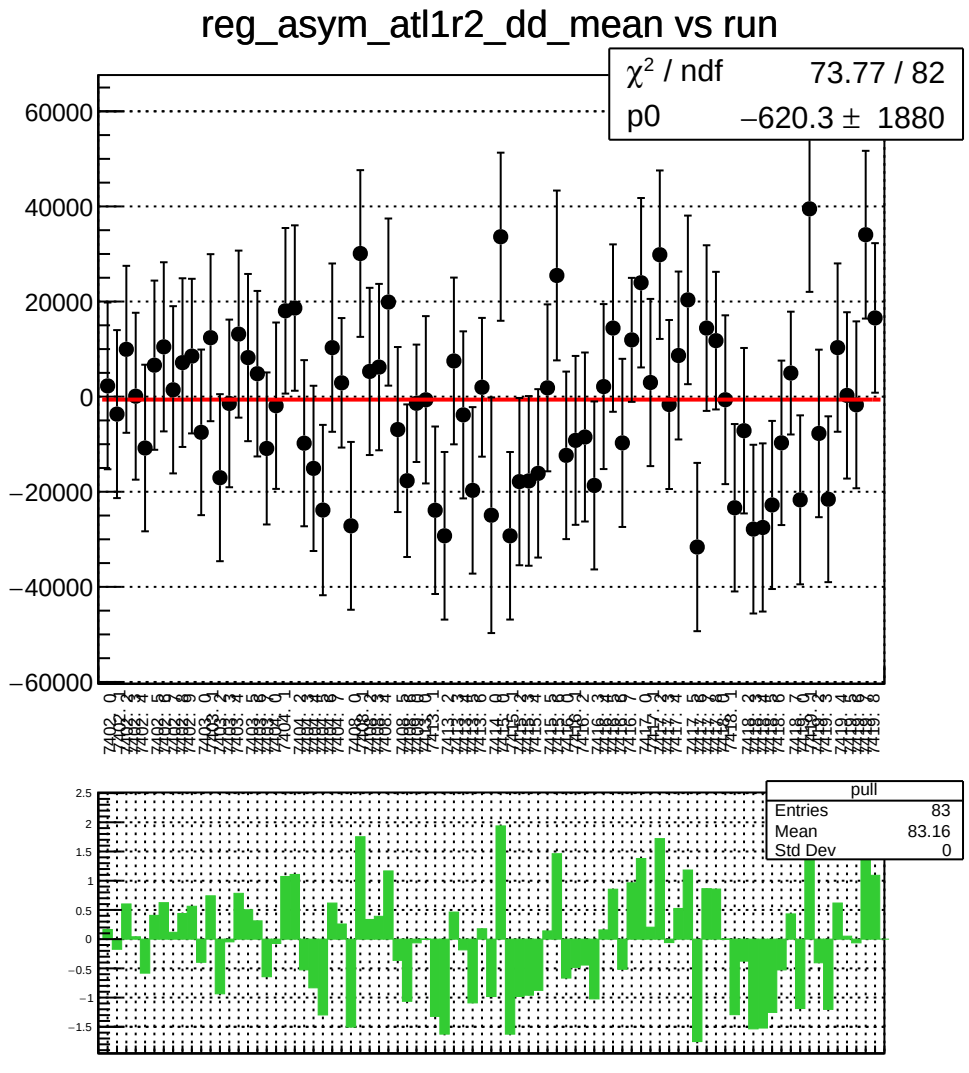

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.69 / 82
p0 0.5393 ± 0.4454
pull
Entries 83
Mean 86.6
Std Dev 24.23
pull1D
Entries 83
Mean 0.02548
Std Dev 1.096

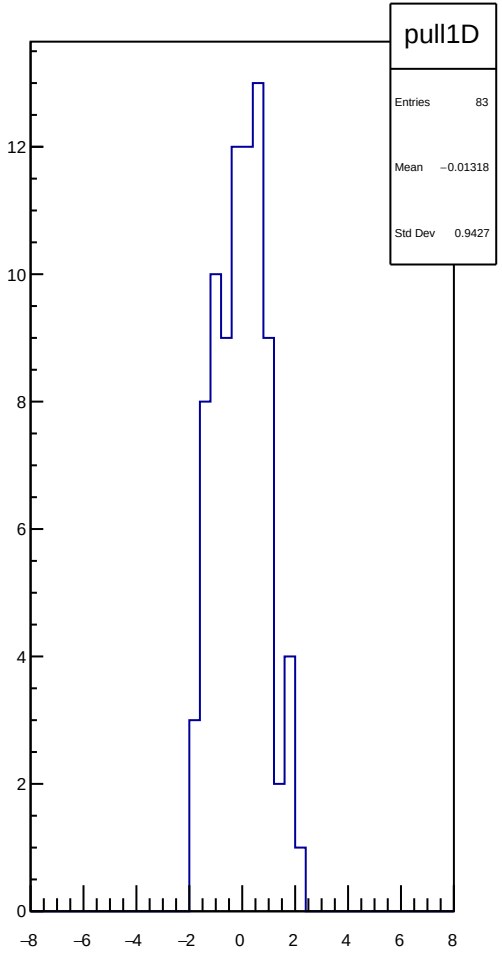

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.939e+05 / 82
p0 370.6 ± 0.315
700
600
500
400
300
200

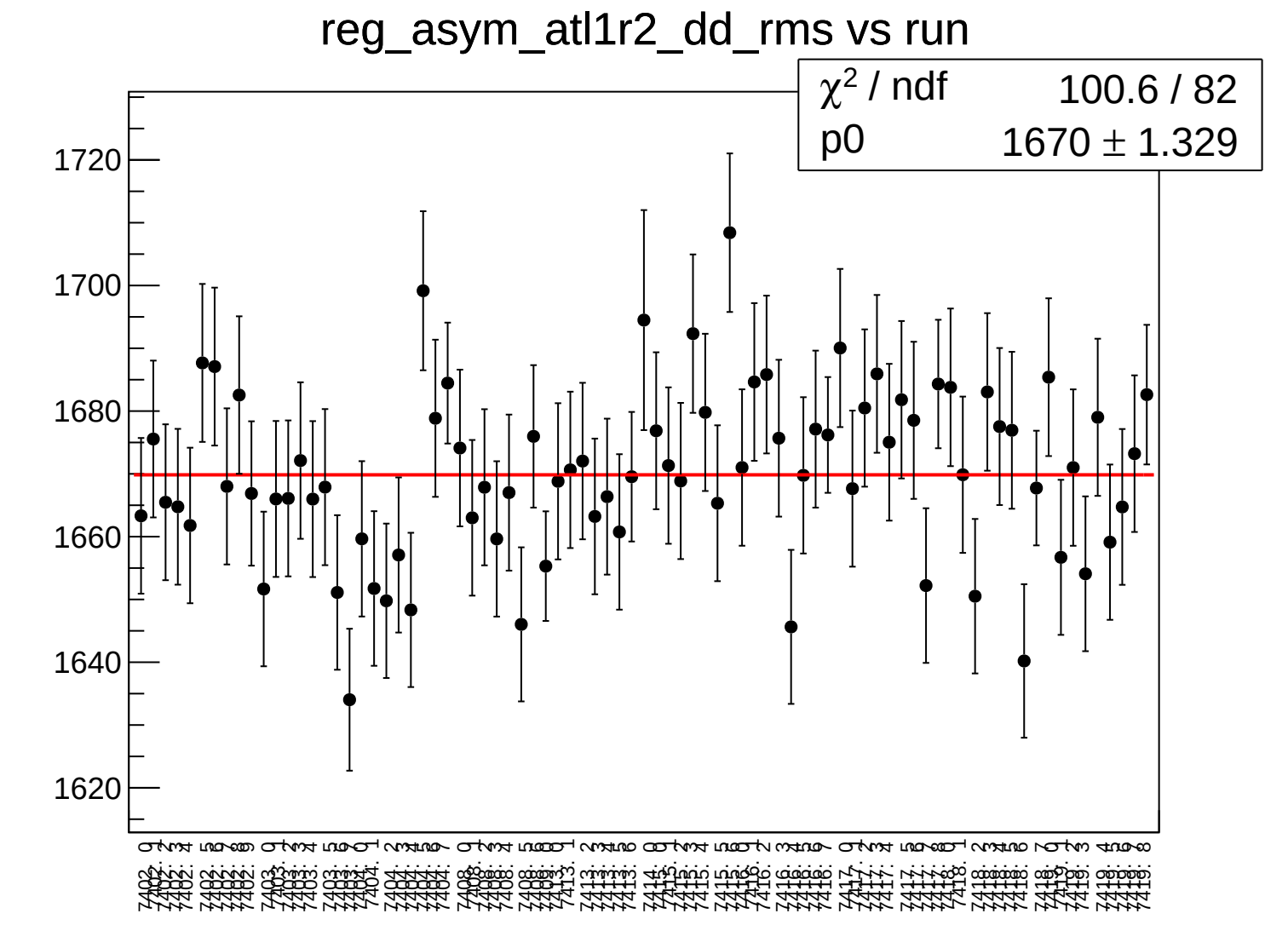

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.76 / 82
p0 −1.405e−14 ± 4.012e−14
pull
Entries 83
Mean 25.7
Std Dev 14.02

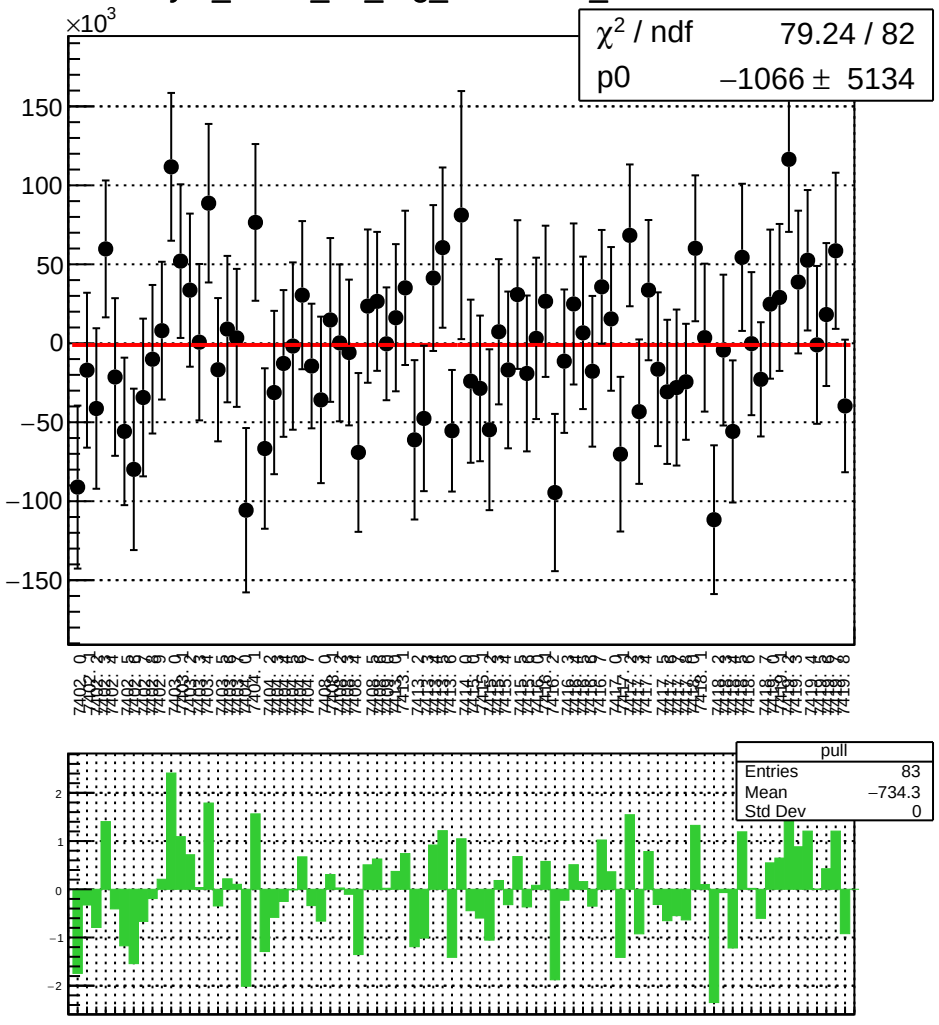

pull1D
Entries 83
Mean 0.1421
Std Dev 0.9057

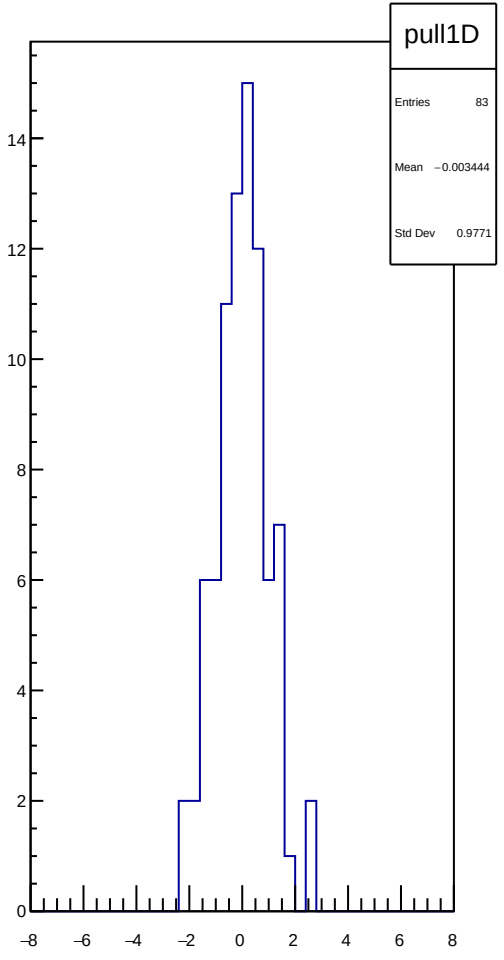

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.365e+05 / 82
p0 3.032e−11 ± 2.837e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

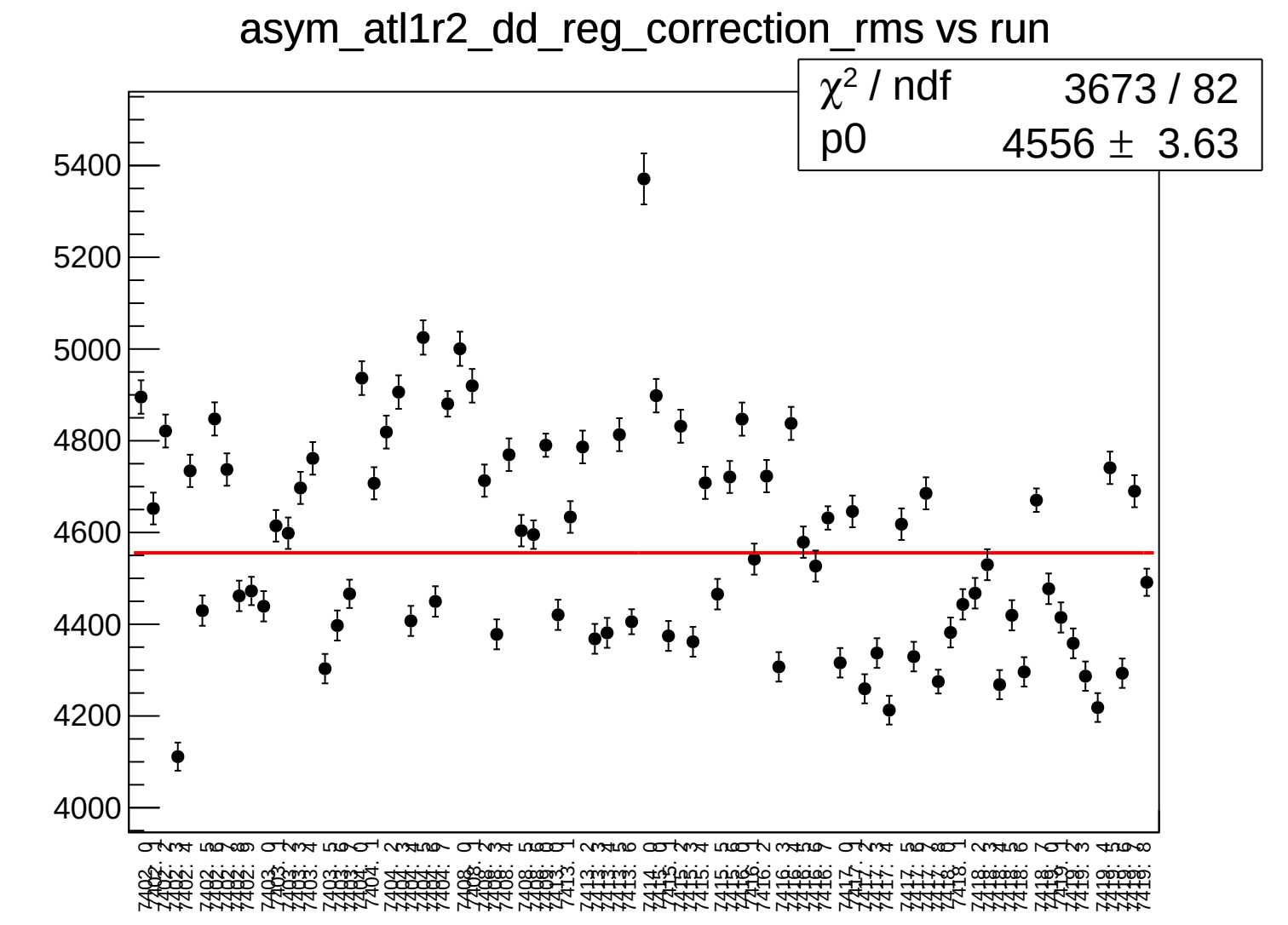

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 73.77 / 82
p0 −620.3 ± 1880
pull
Entries 83
Mean 83.16
Std Dev 0

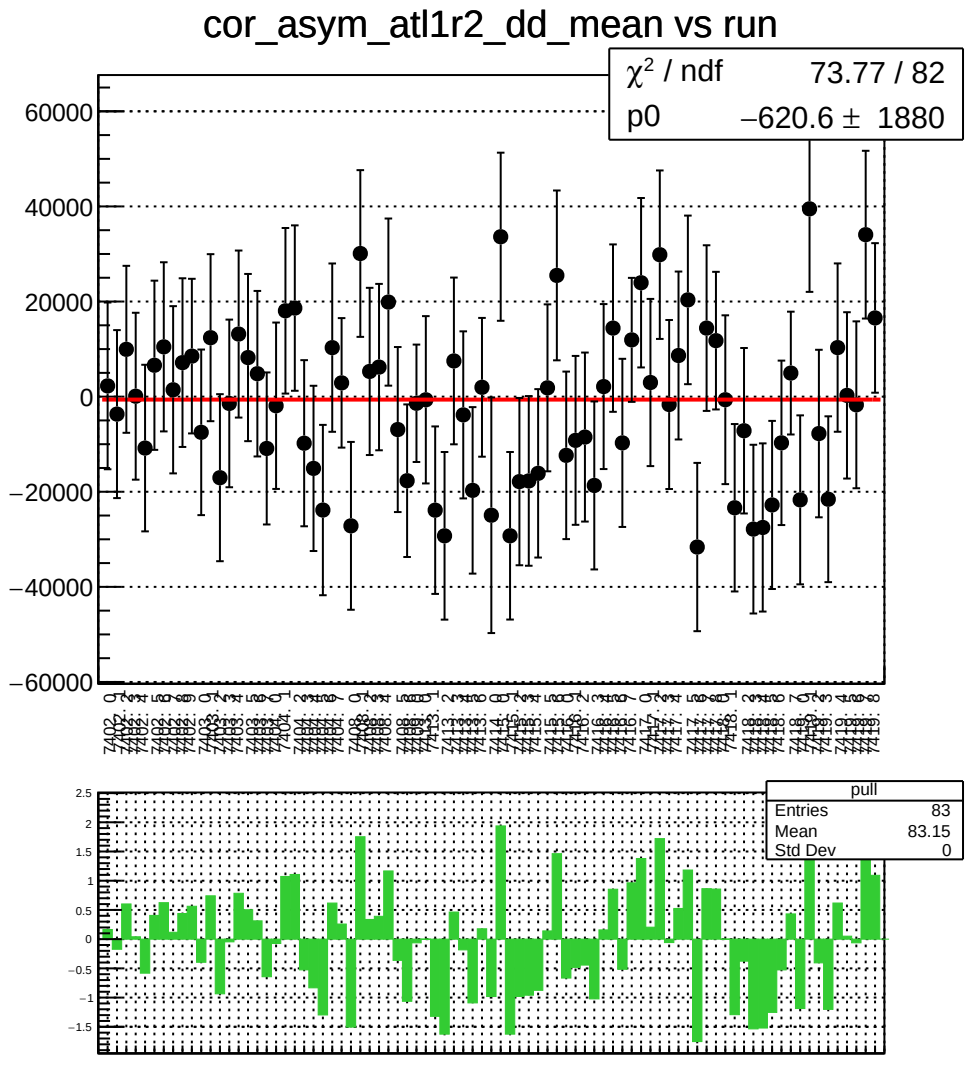

pull1D
Entries 83
Mean −0.01318
Std Dev 0.9427

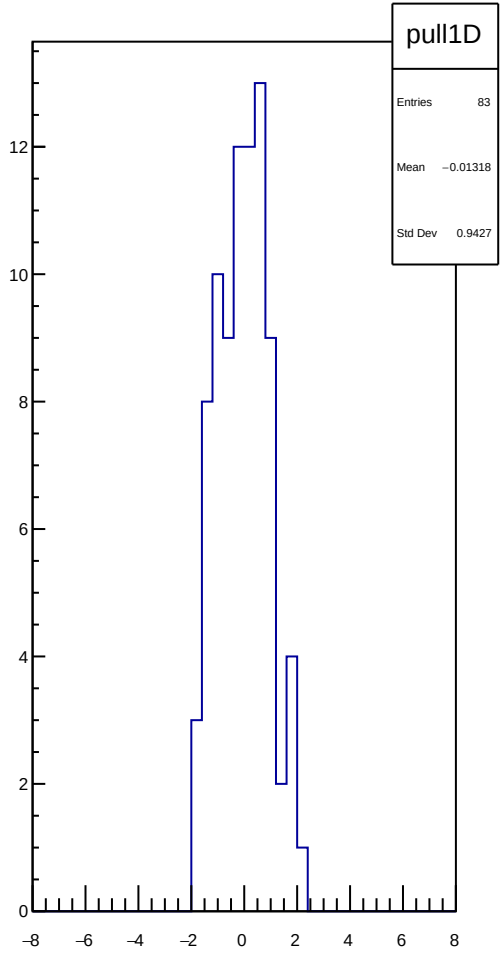

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 100.6 / 82
p0 1670 ± 1.329
1720
1700
1680
1660
1640
1620

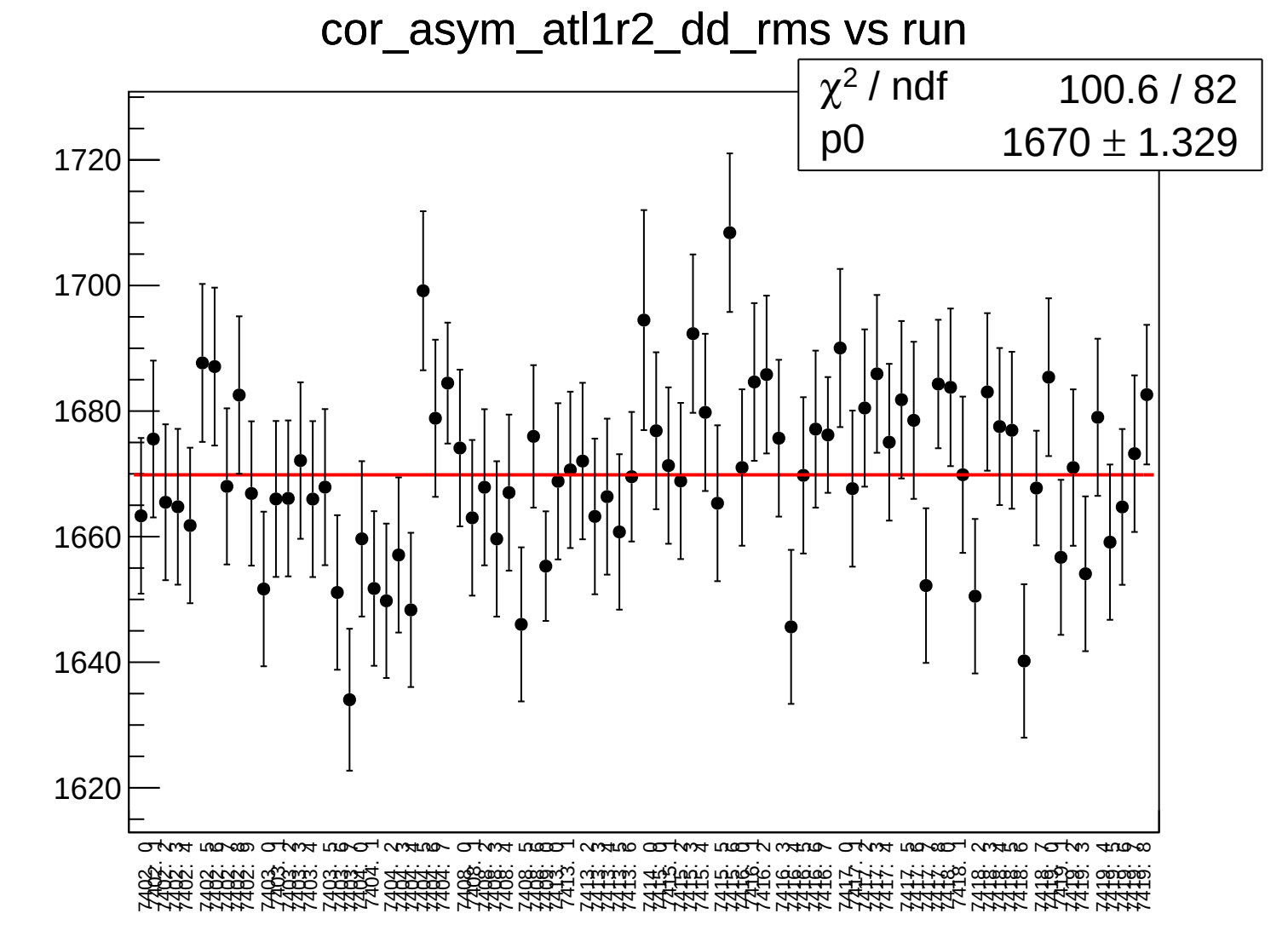

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 79.24 / 82
p0 −1066 ± 5134
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −734.3
Std Dev 0
2
1
0
−1
−2

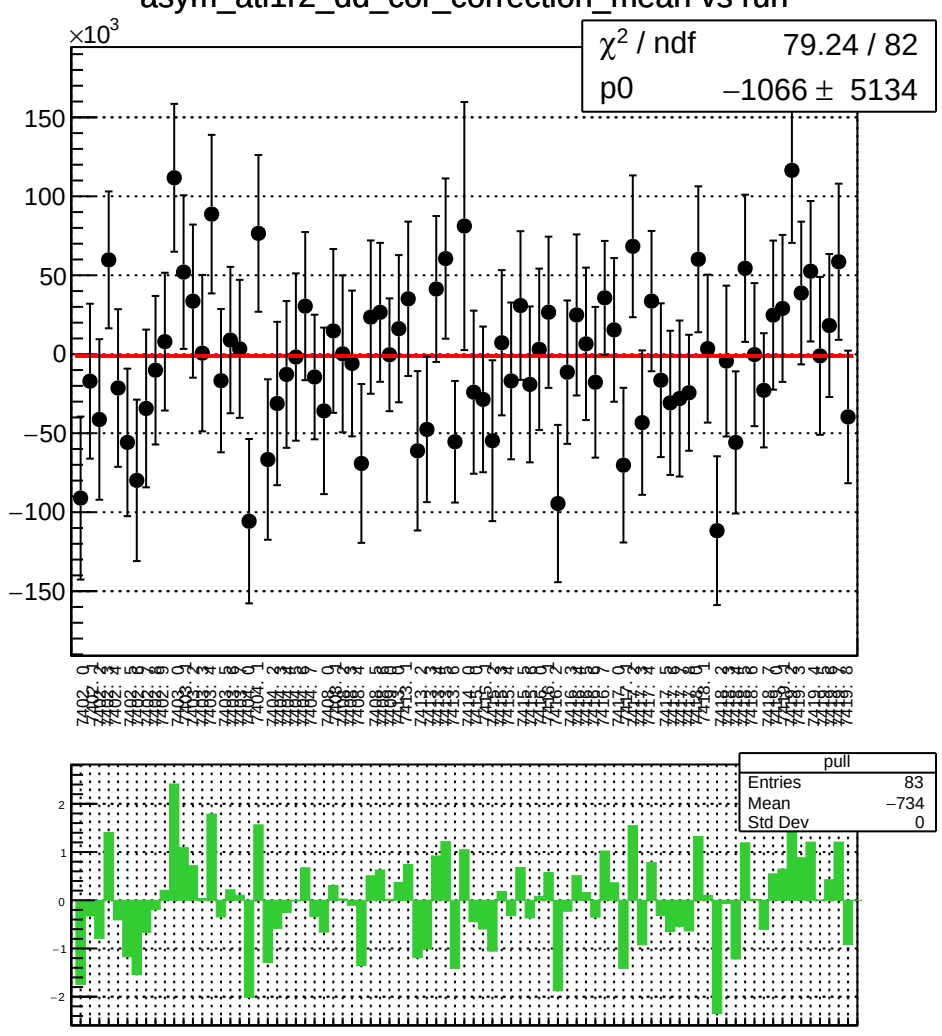

pull1D
Entries 83
Mean −0.003444
Std Dev 0.9771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

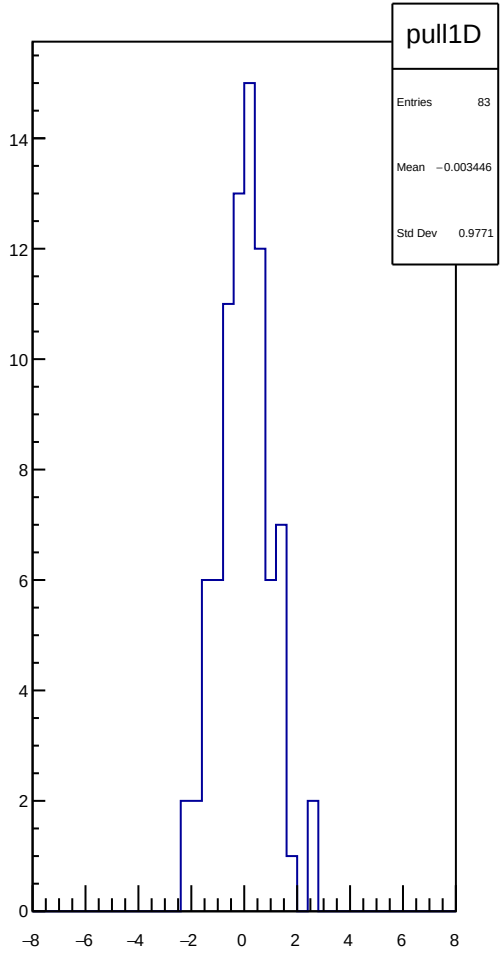

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 3673 / 82
p0 4556 ± 3.63
5400
5200
5000
4800
4600
4400
4200
4000

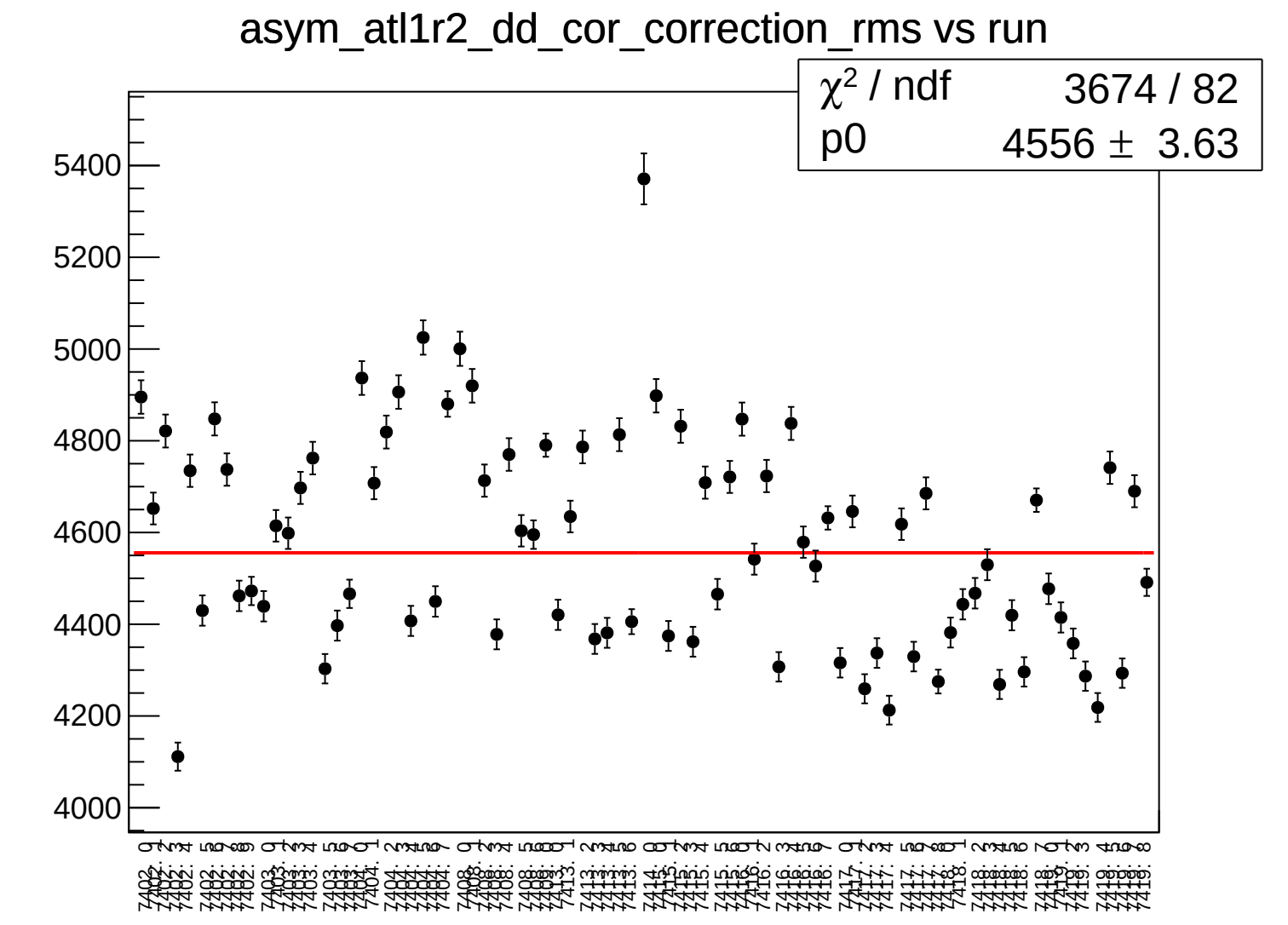

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 73.77 / 82
p0 −620.6 ± 1880
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 83.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

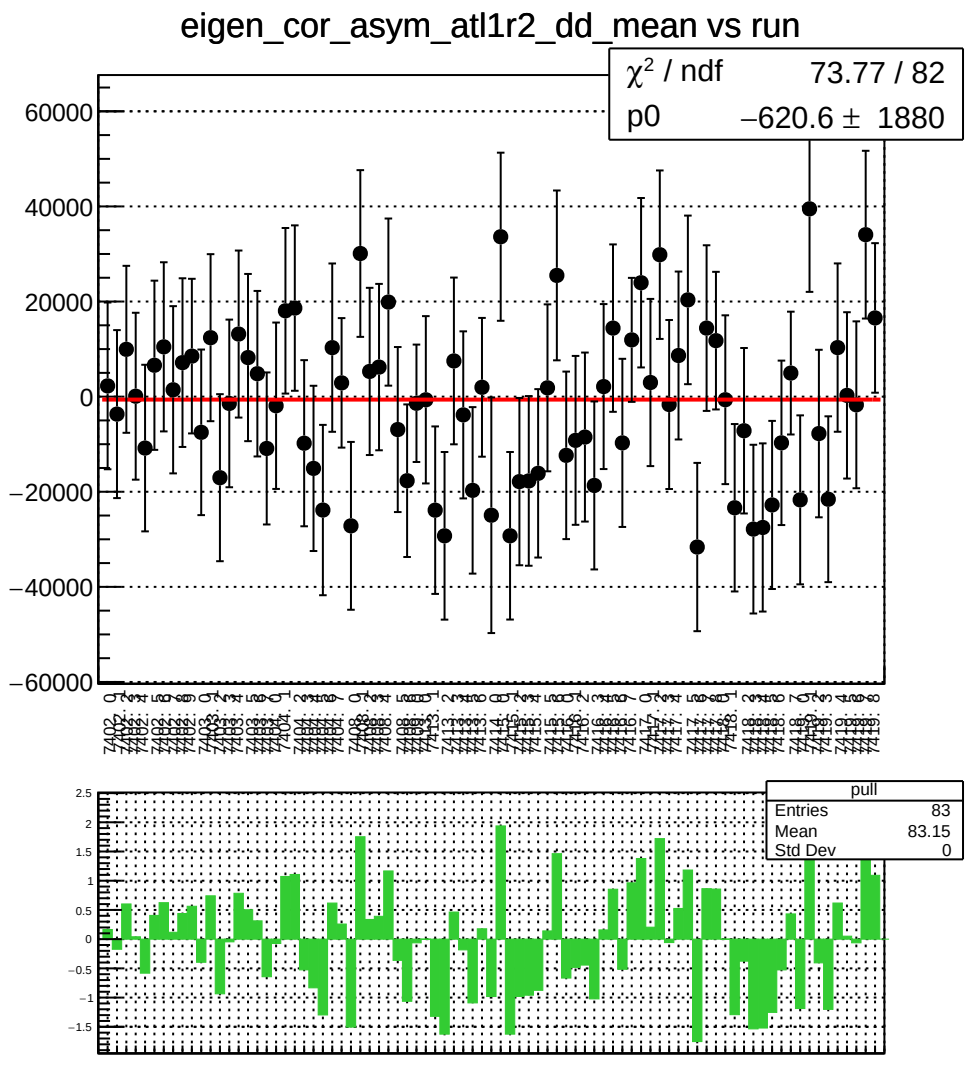

pull1D
Entries 83
Mean −0.01318
Std Dev 0.9427
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

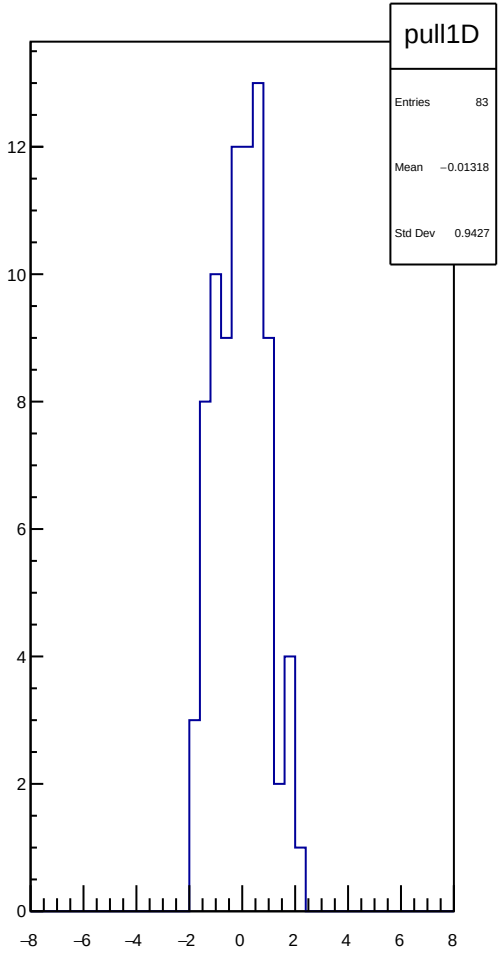

cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 100.6 / 82
p0 1670 ± 1.329
1720
1700
1680
1660
1640
1620

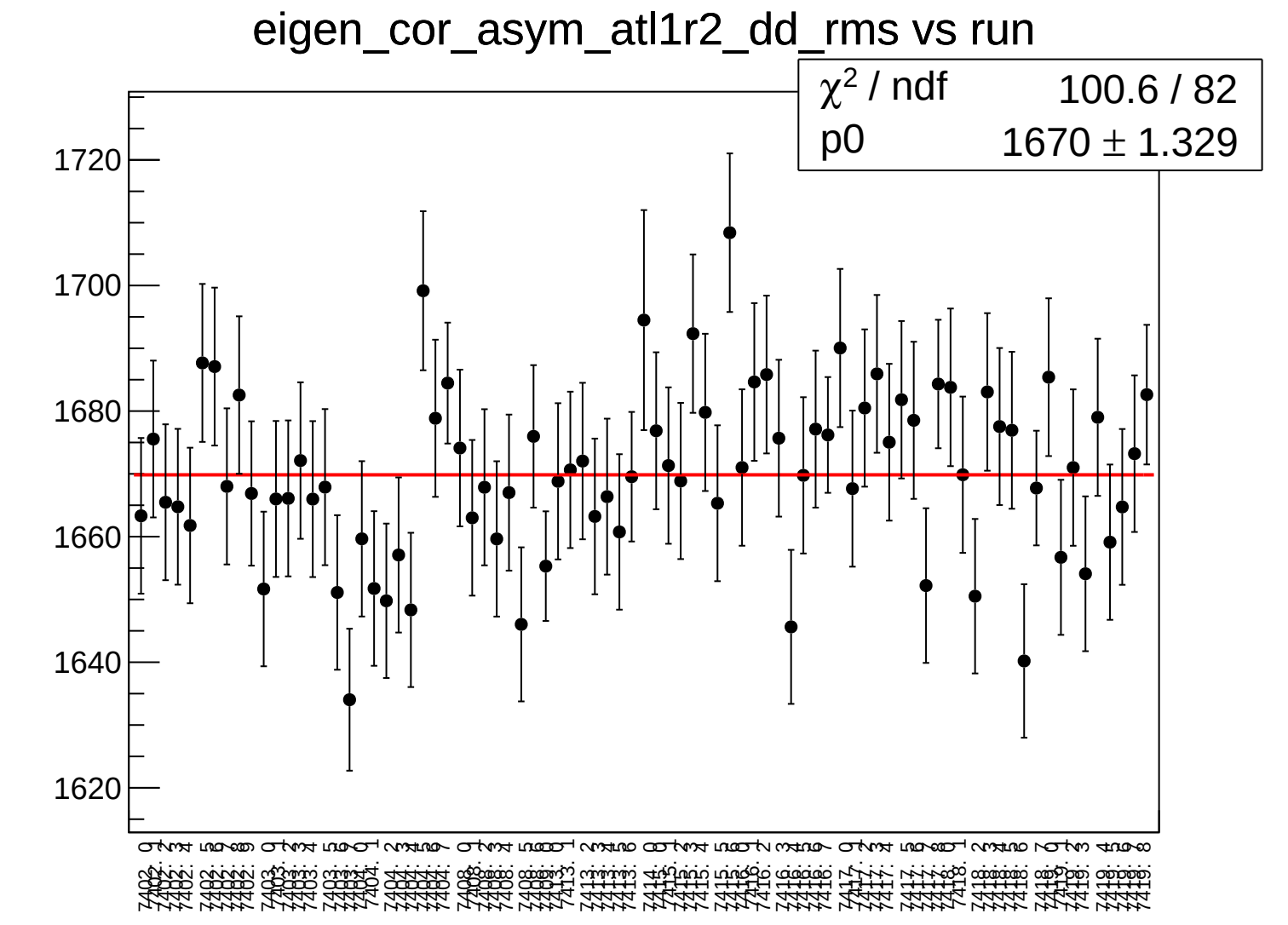

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 79.24 / 82
p0 −1066 ± 5134
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −734
Std Dev 0
2
1
0
−1
−2

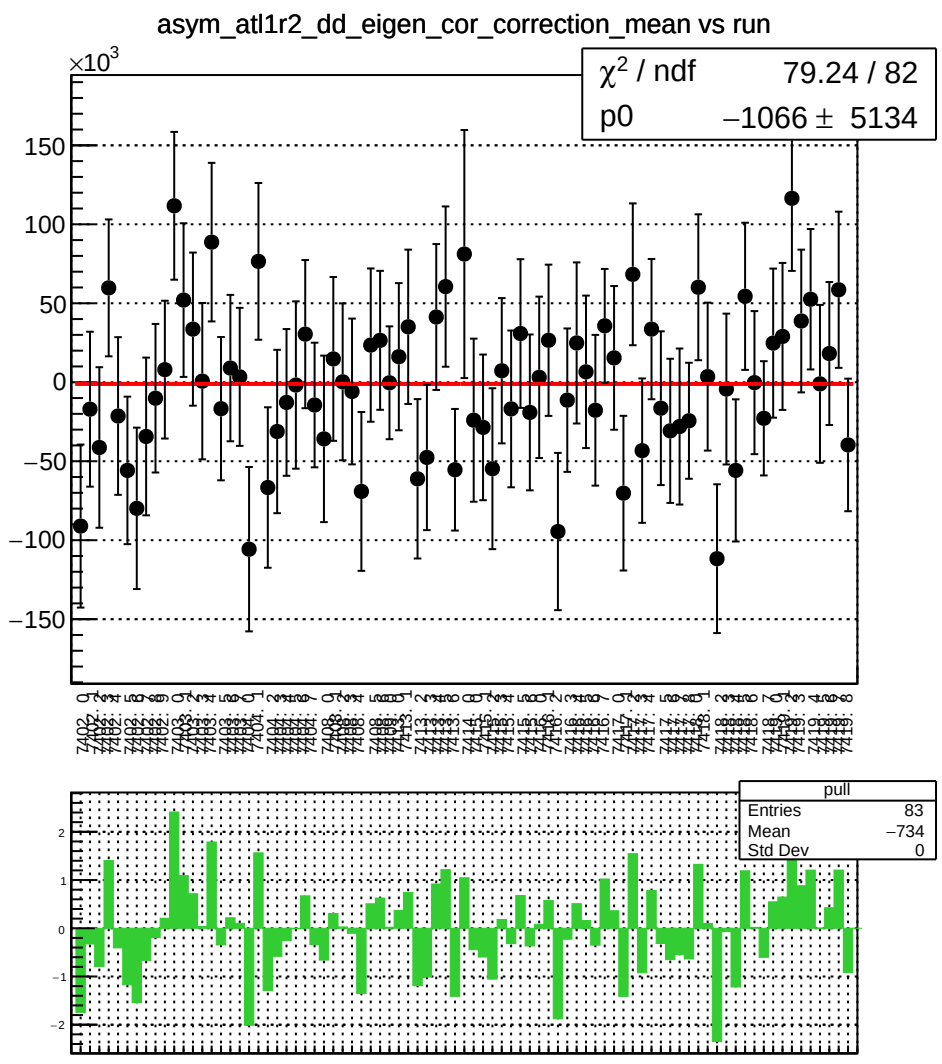

pull1D
Entries 83
Mean −0.003446
Std Dev 0.9771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

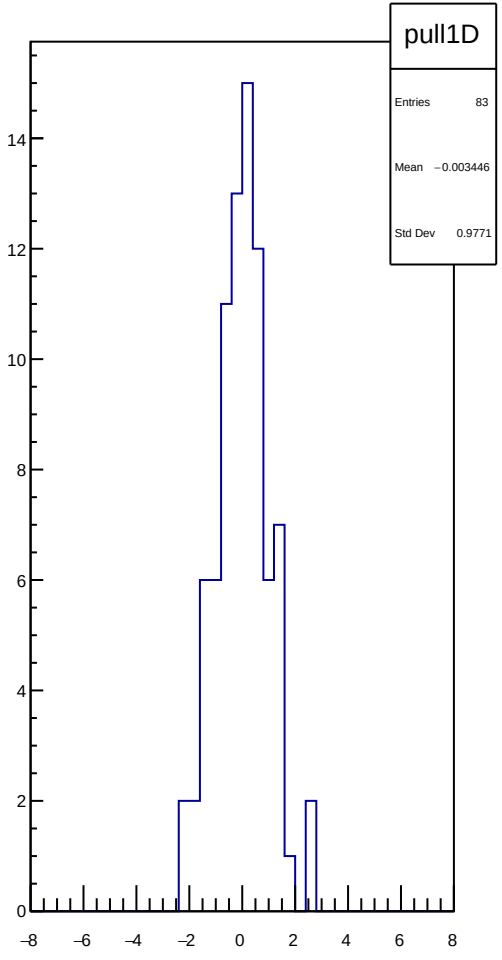

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 3674 / 82
p0 4556 ± 3.63
5400
5200
5000
4800
4600
4400
4200
4000

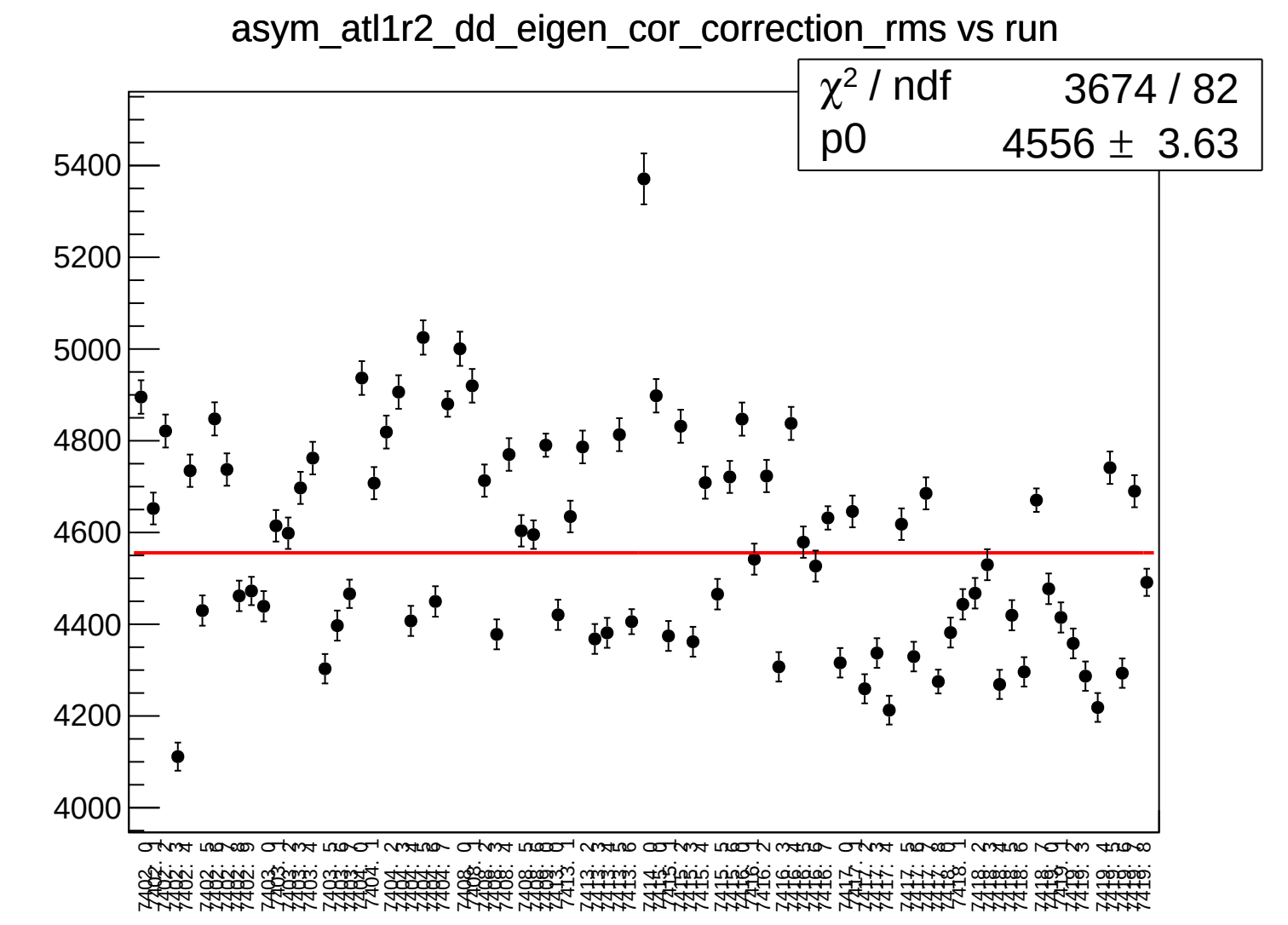

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 73.77 / 82
p0 −620.6 ± 1880
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 83.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

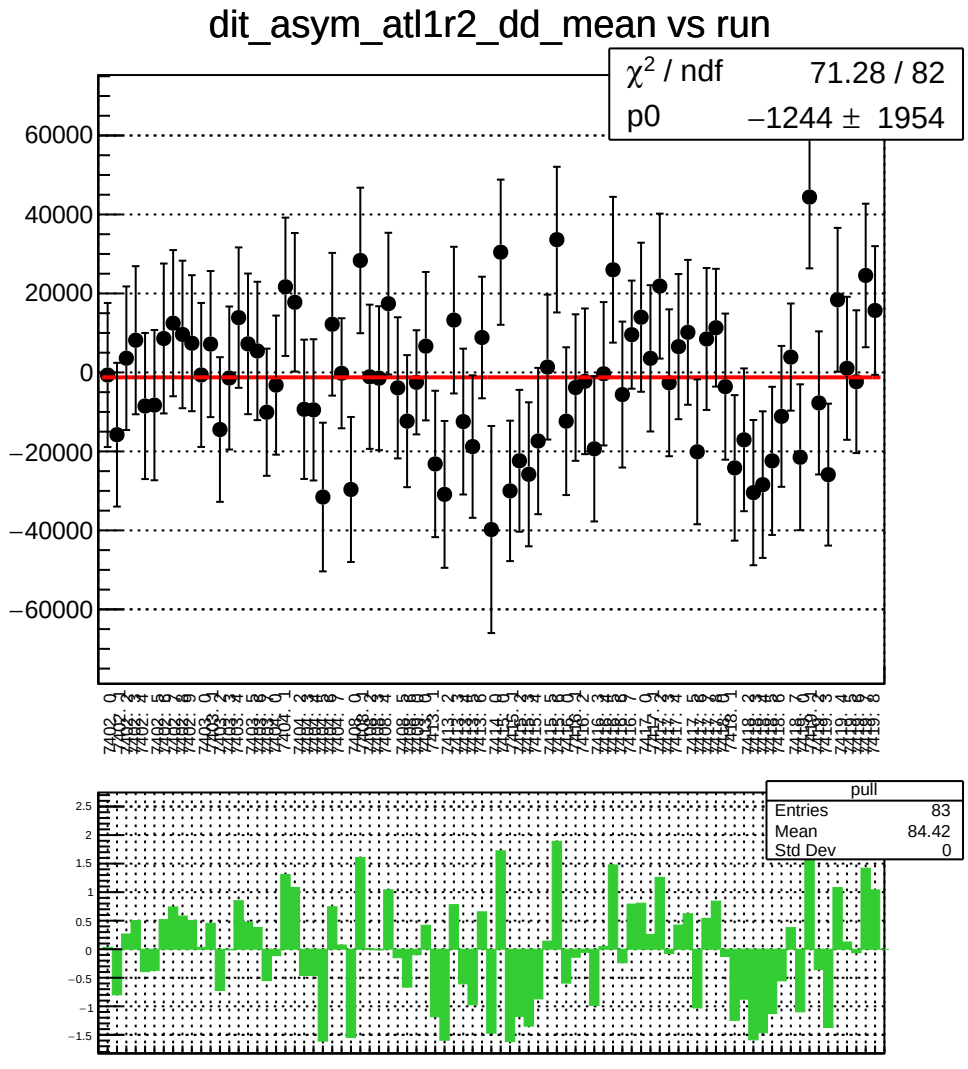

pull1D
Entries 83
Mean −0.01318
Std Dev 0.9427
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

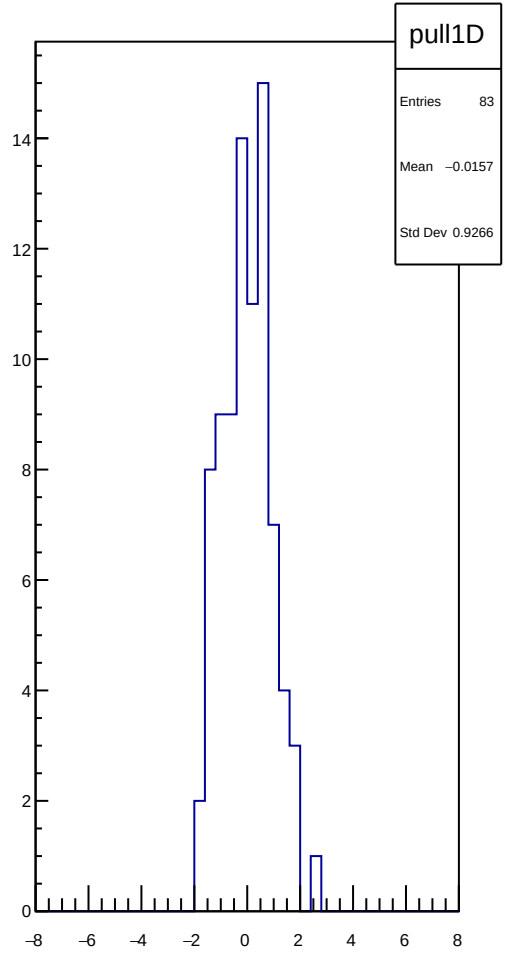

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 100.6 / 82
p0 1670 ± 1.329
1720
1700
1680
1660
1640
1620

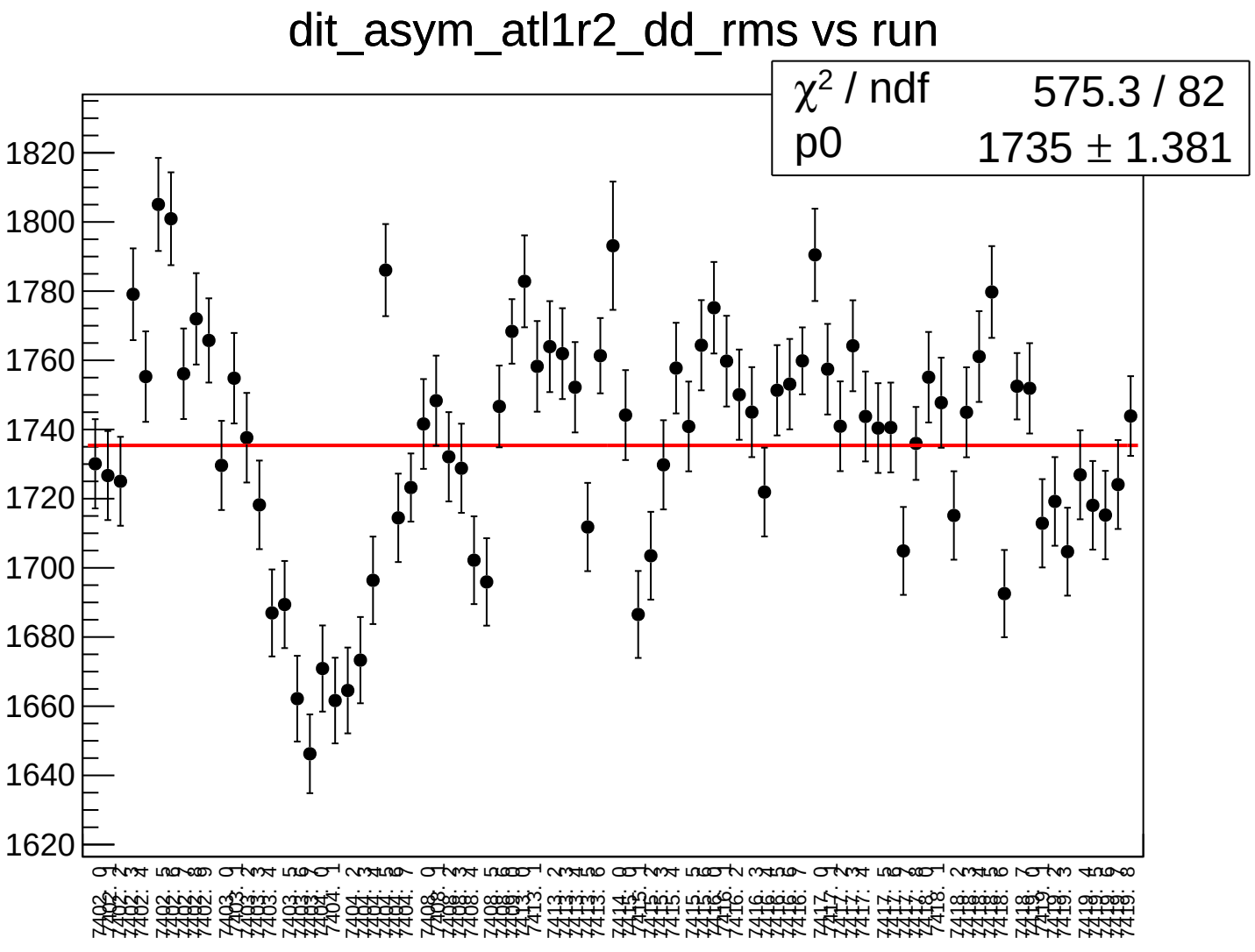

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.24 / 82
p0 −1066 ± 5134
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −734
Std Dev 0
2
1
0
−1
−2

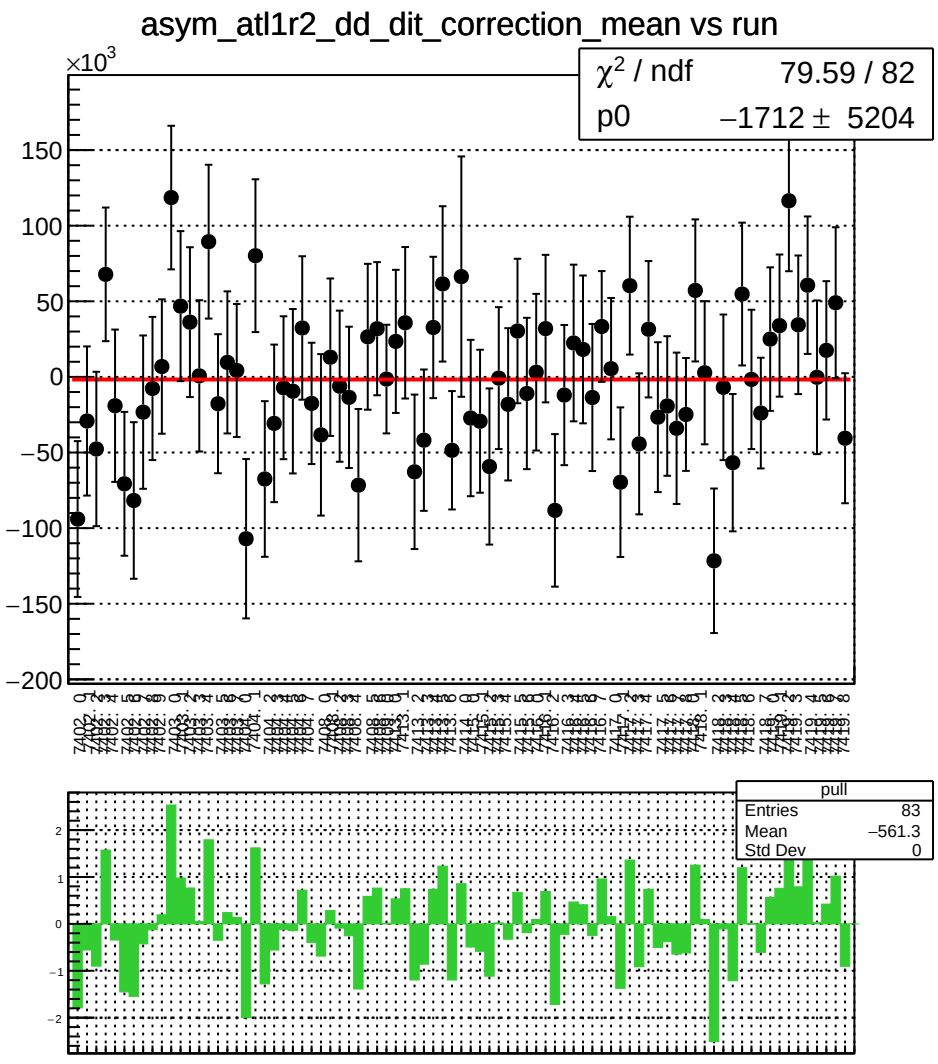

pull1D
Entries 83
Mean −0.003446
Std Dev 0.9771
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

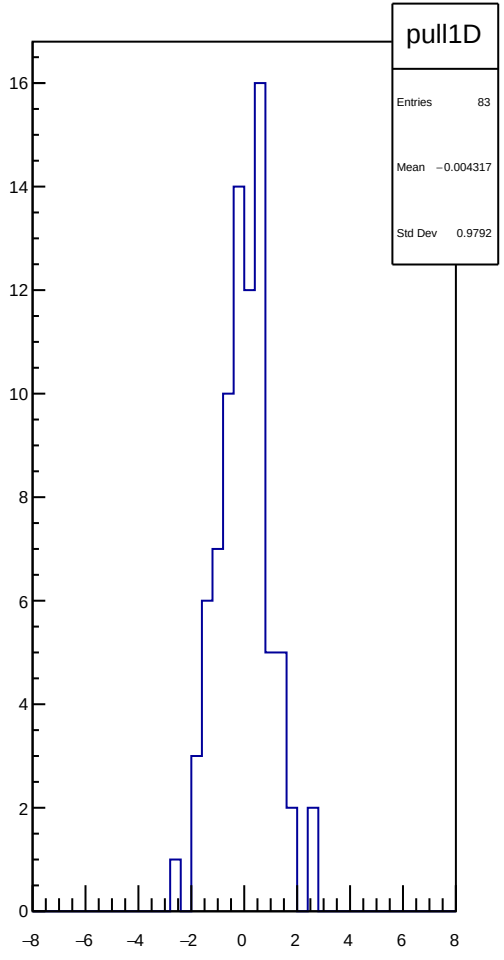

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3674 / 82
p0 4556 ± 3.63
5400
5200
5000
4800
4600
4400
4200
4000

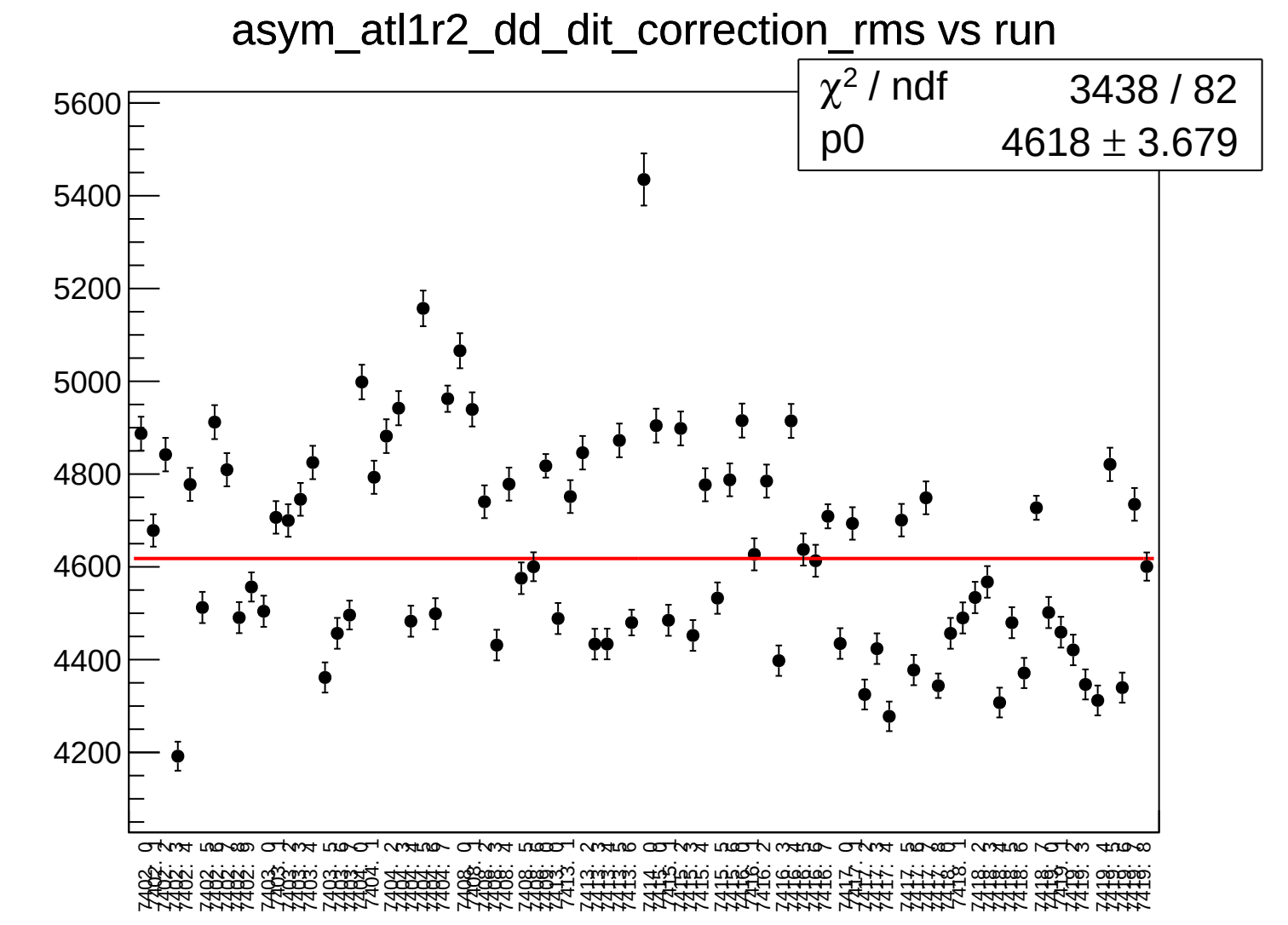

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 71.28 / 82
p0 −1244 ± 1954
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 84.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

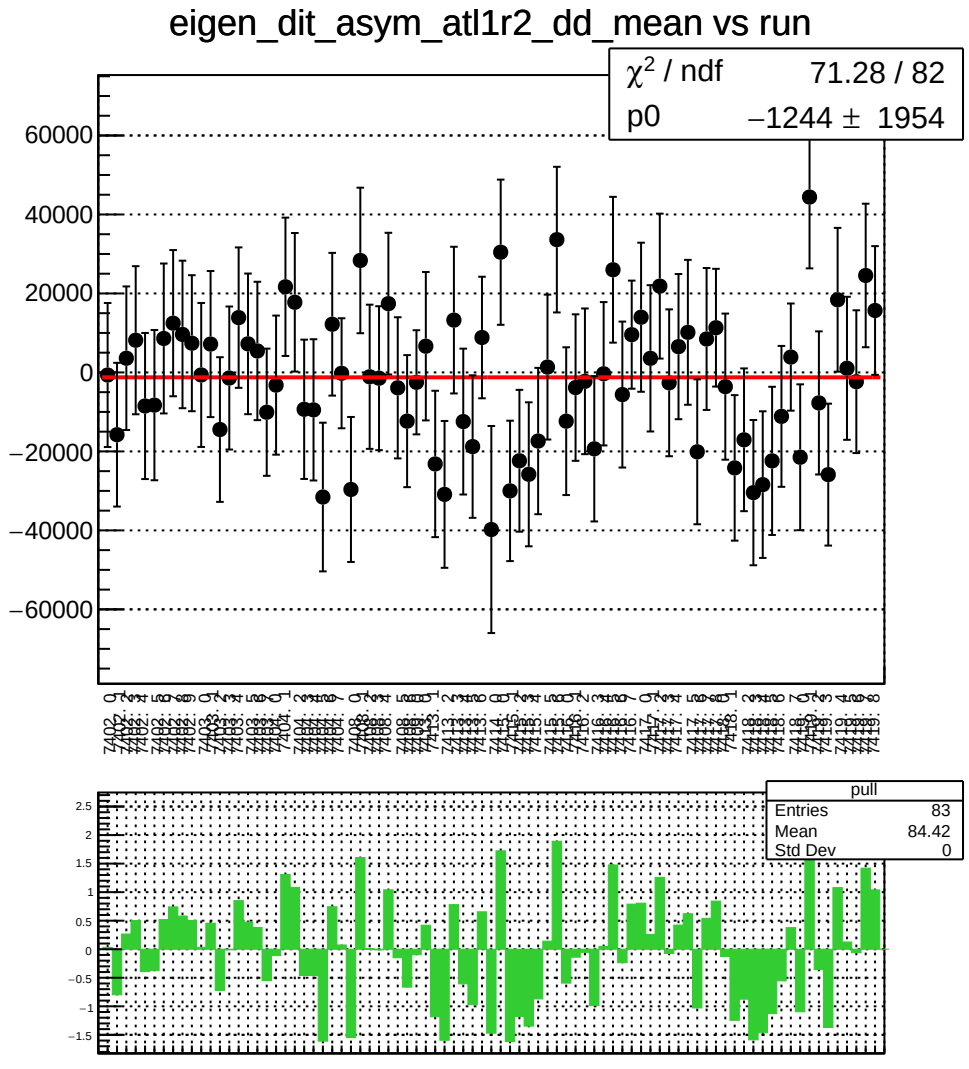

pull1D
Entries 83
Mean −0.0157
Std Dev 0.9266
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

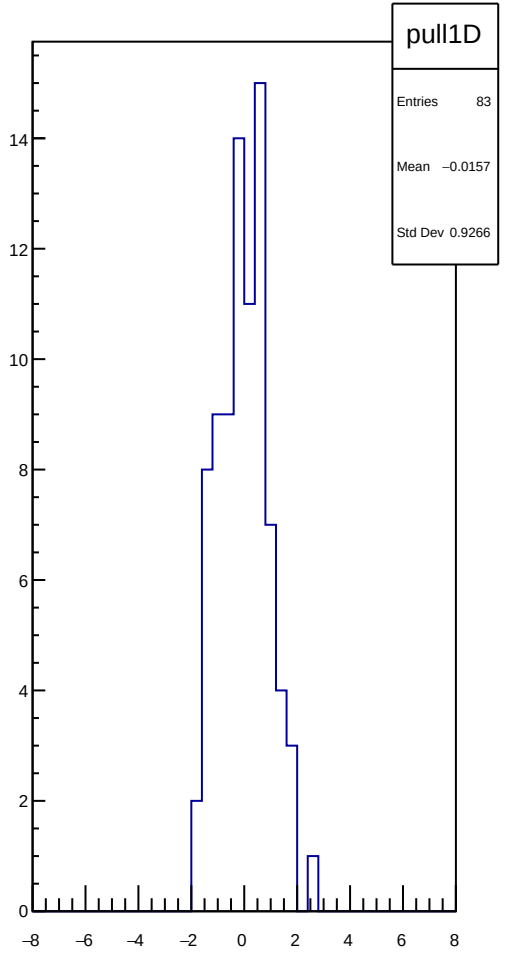

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 575.3 / 82
p0 1735 ± 1.381
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640
1620

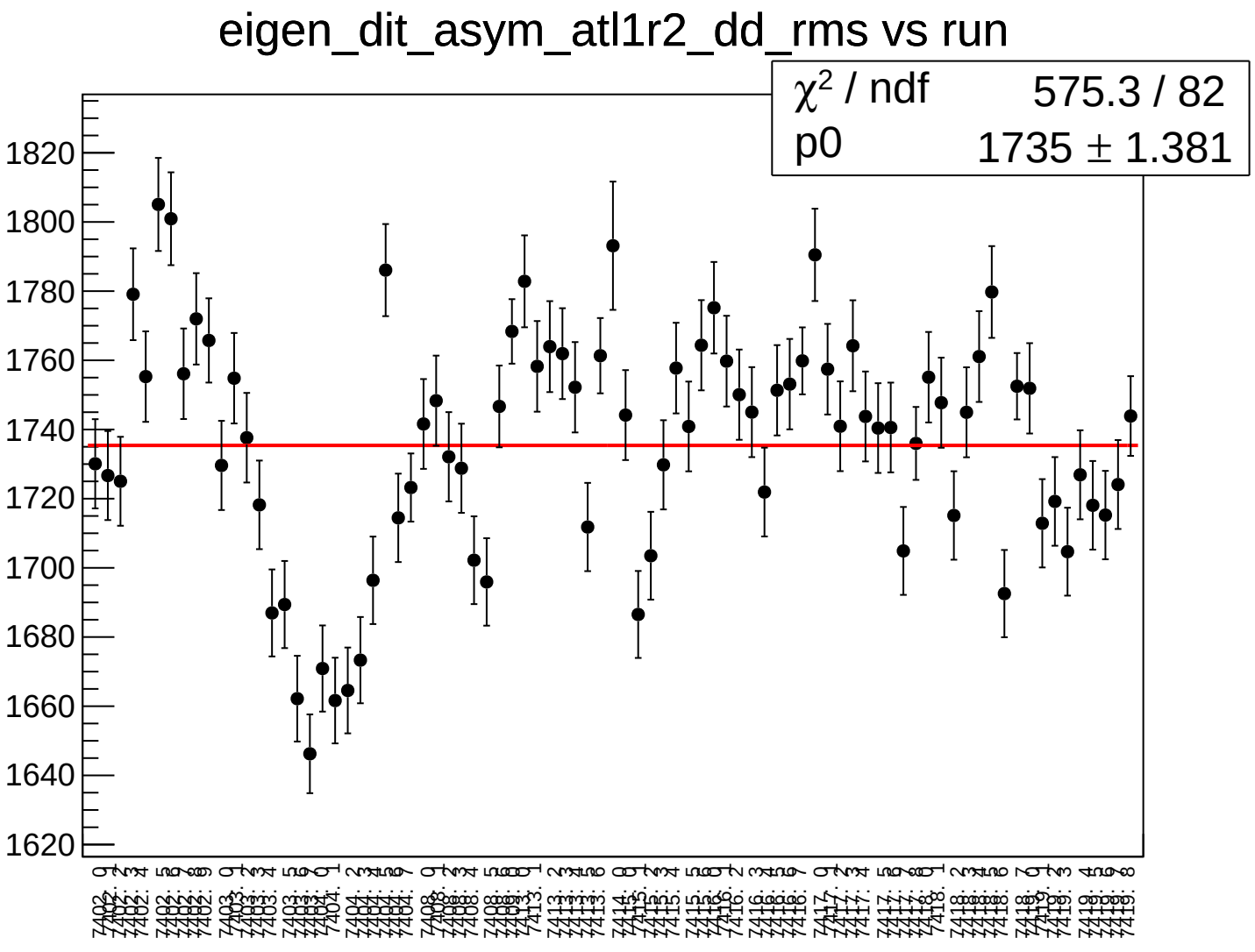

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 79.59 / 82
p0 −1712 ± 5204
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −561.3
Std Dev 0
2
1
0
−1
−2

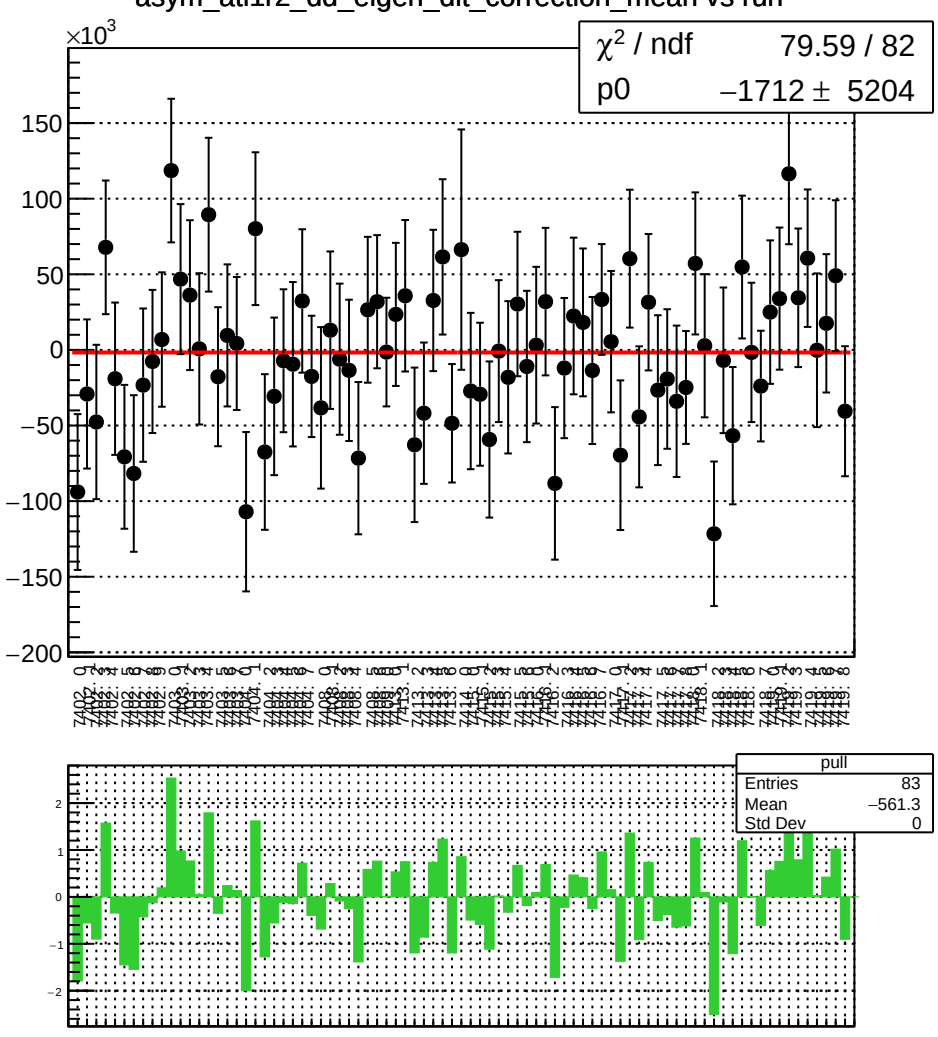

pull1D
Entries 83
Mean −0.004317
Std Dev 0.9792
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

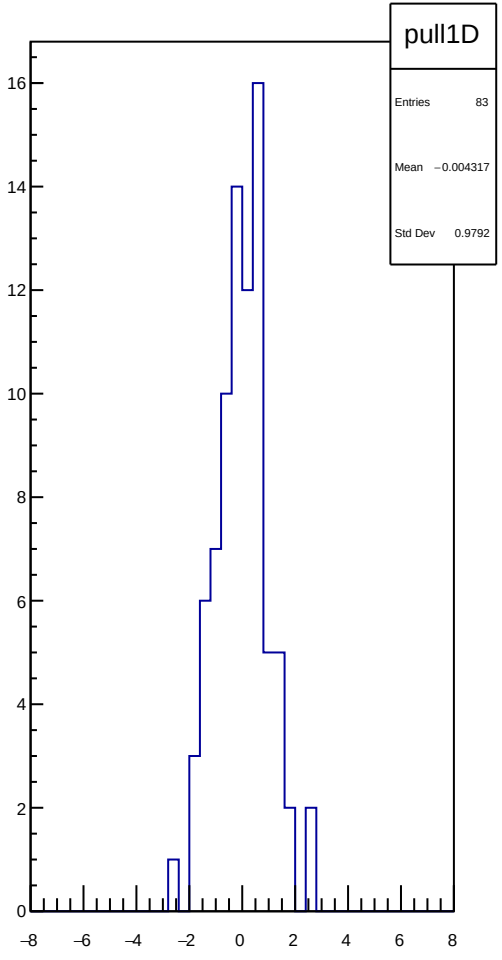

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 3438 / 82
p0 4618 ± 3.679
5600
5400
5200
5000
4800
4600
4400
4200

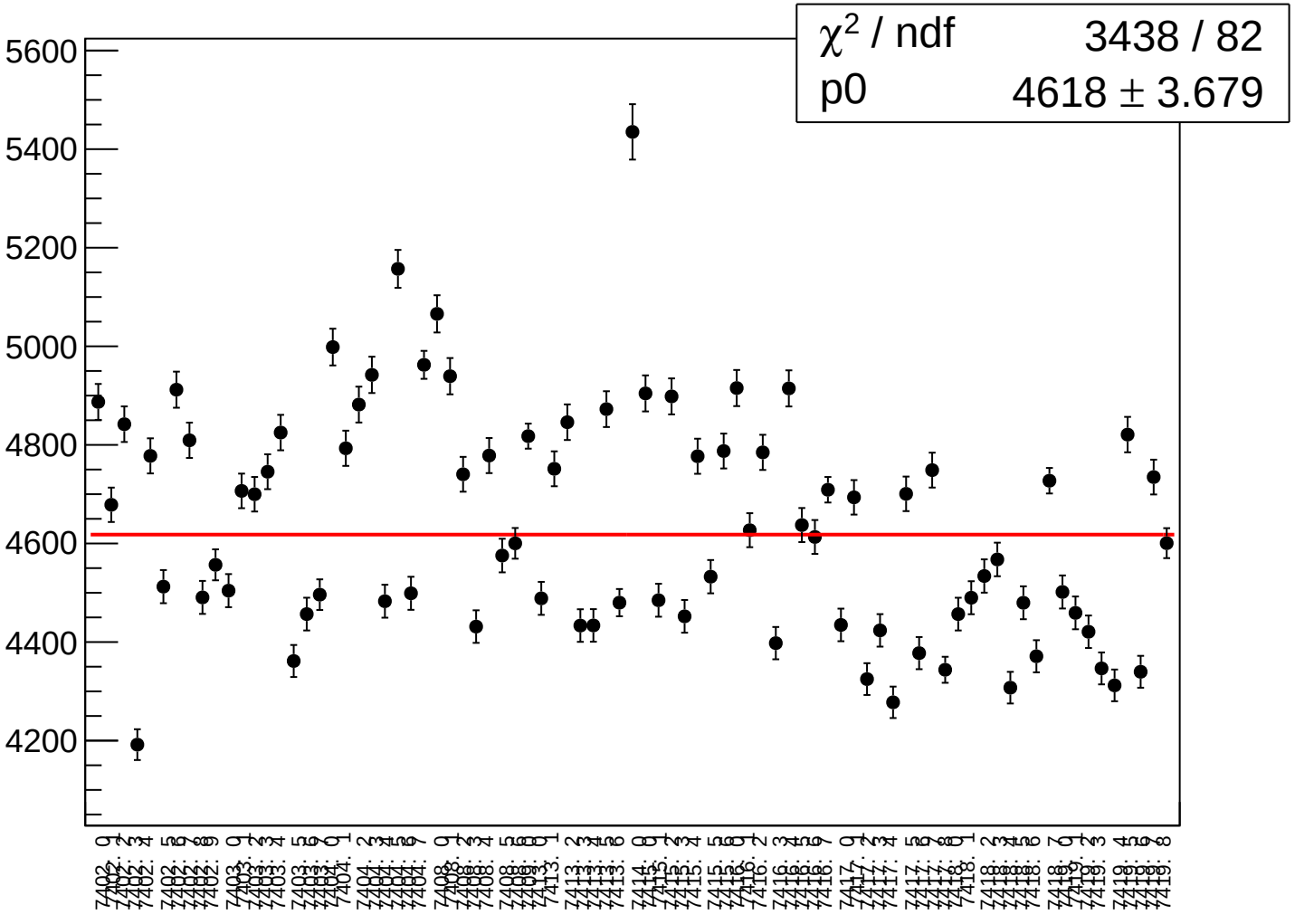

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 71.28 / 82
p0 −1244 ± 1954
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 84.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

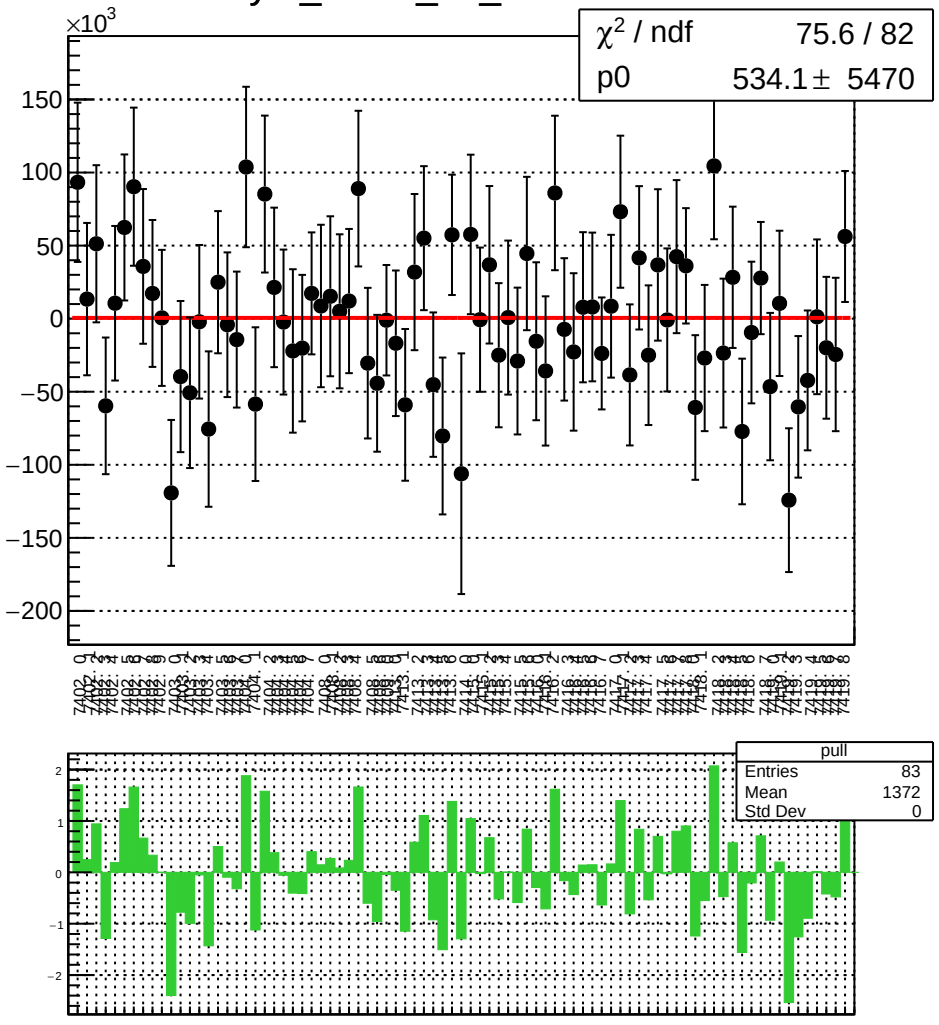

pull1D
Entries 83
Mean −0.0157
Std Dev 0.9266
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

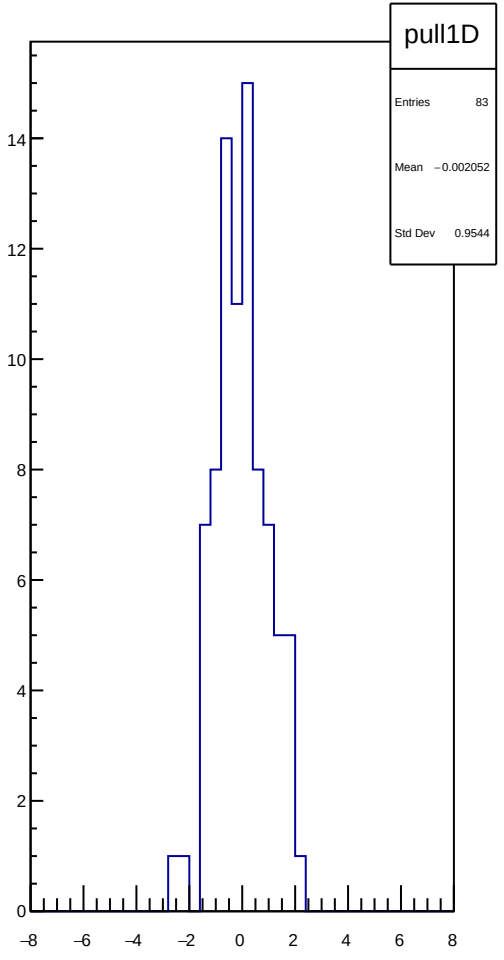

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 575.3 / 82
p0 1735 ± 1.381
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640
1620

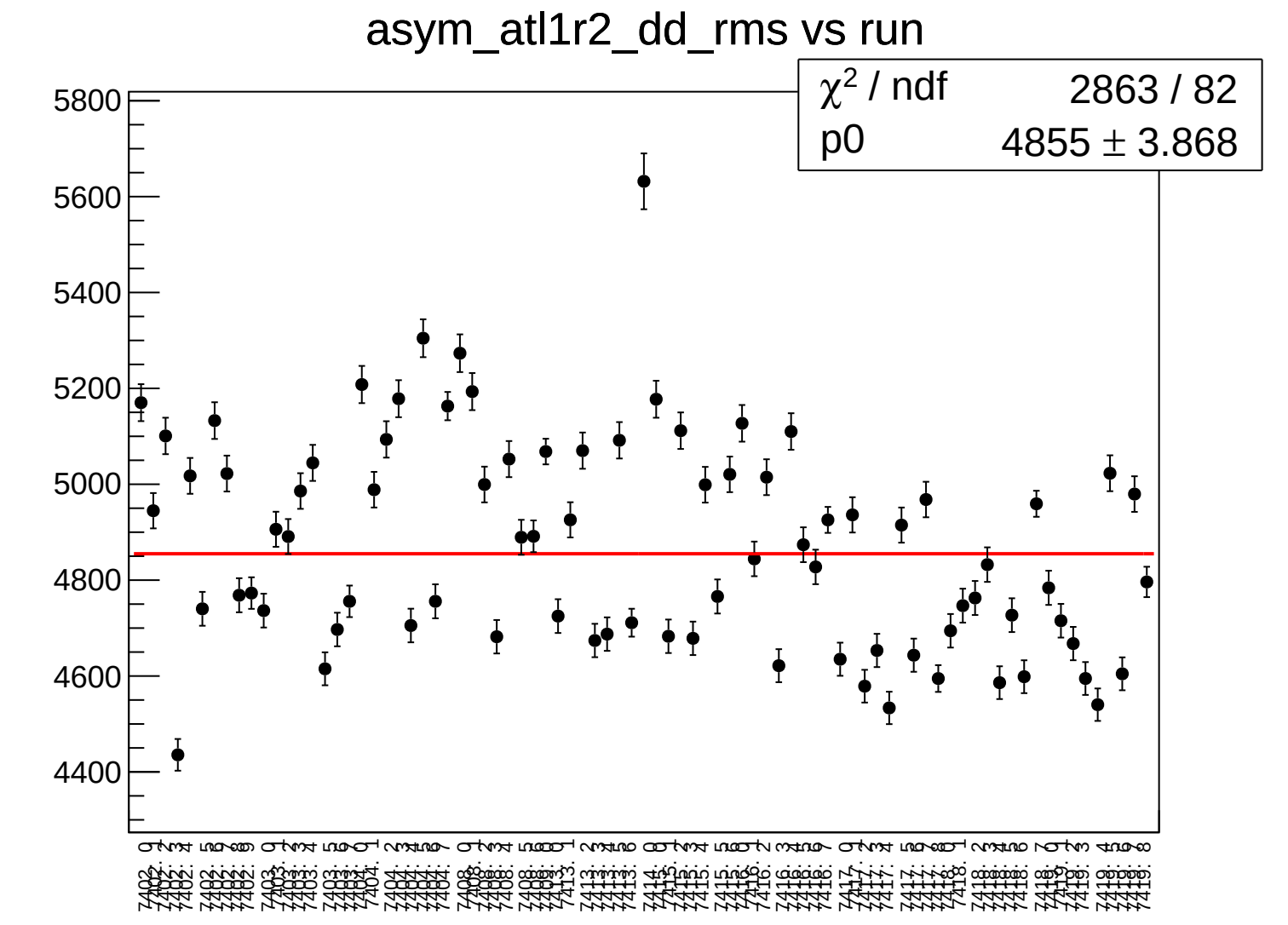

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 79.59 / 82
p0 −1712 ± 5204
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −561.3
Std Dev 0
2
1
0
−1
−2

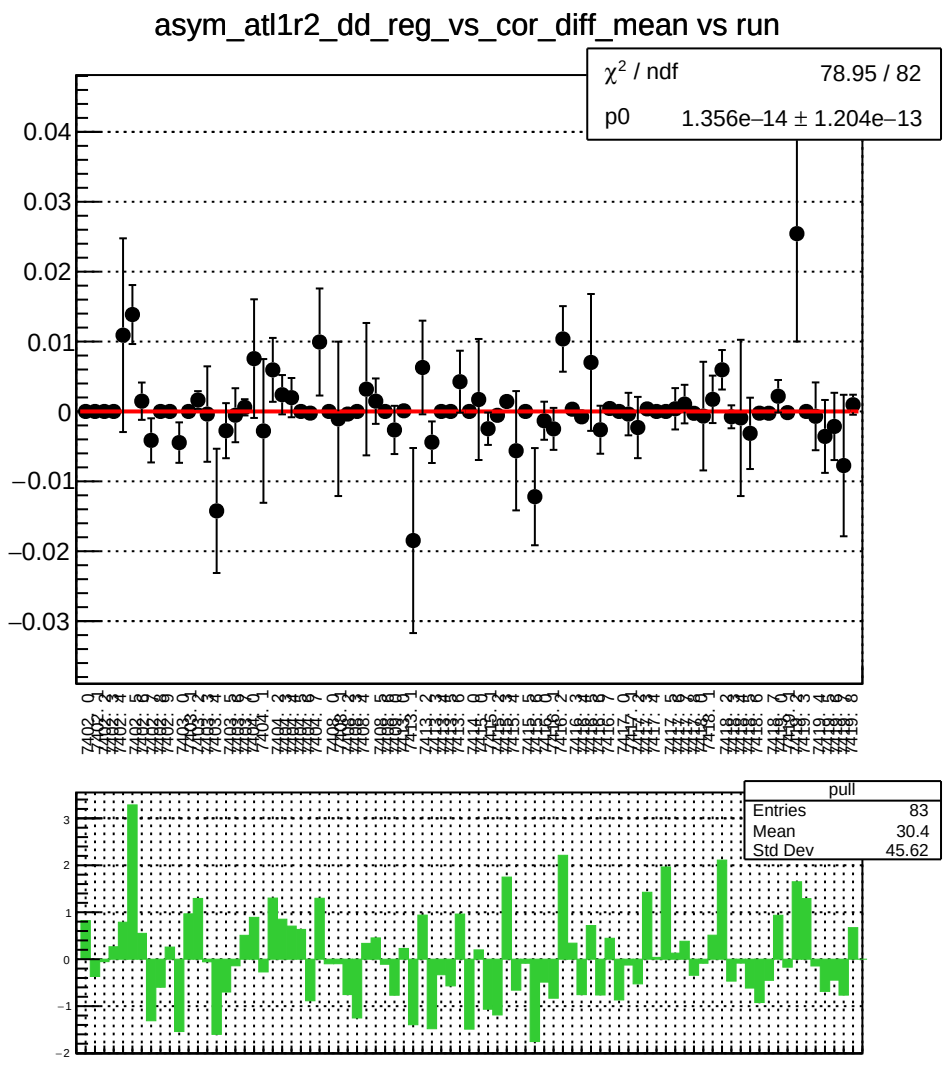

pull1D
Entries 83
Mean −0.004317
Std Dev 0.9792
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

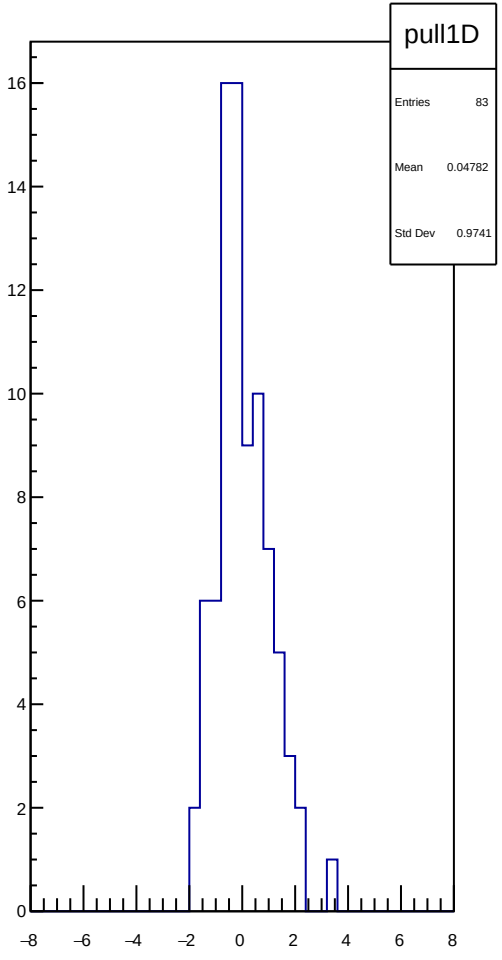

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3438 / 82
p0 4618 ± 3.679
5600
5400
5200
5000
4800
4600
4400
4200

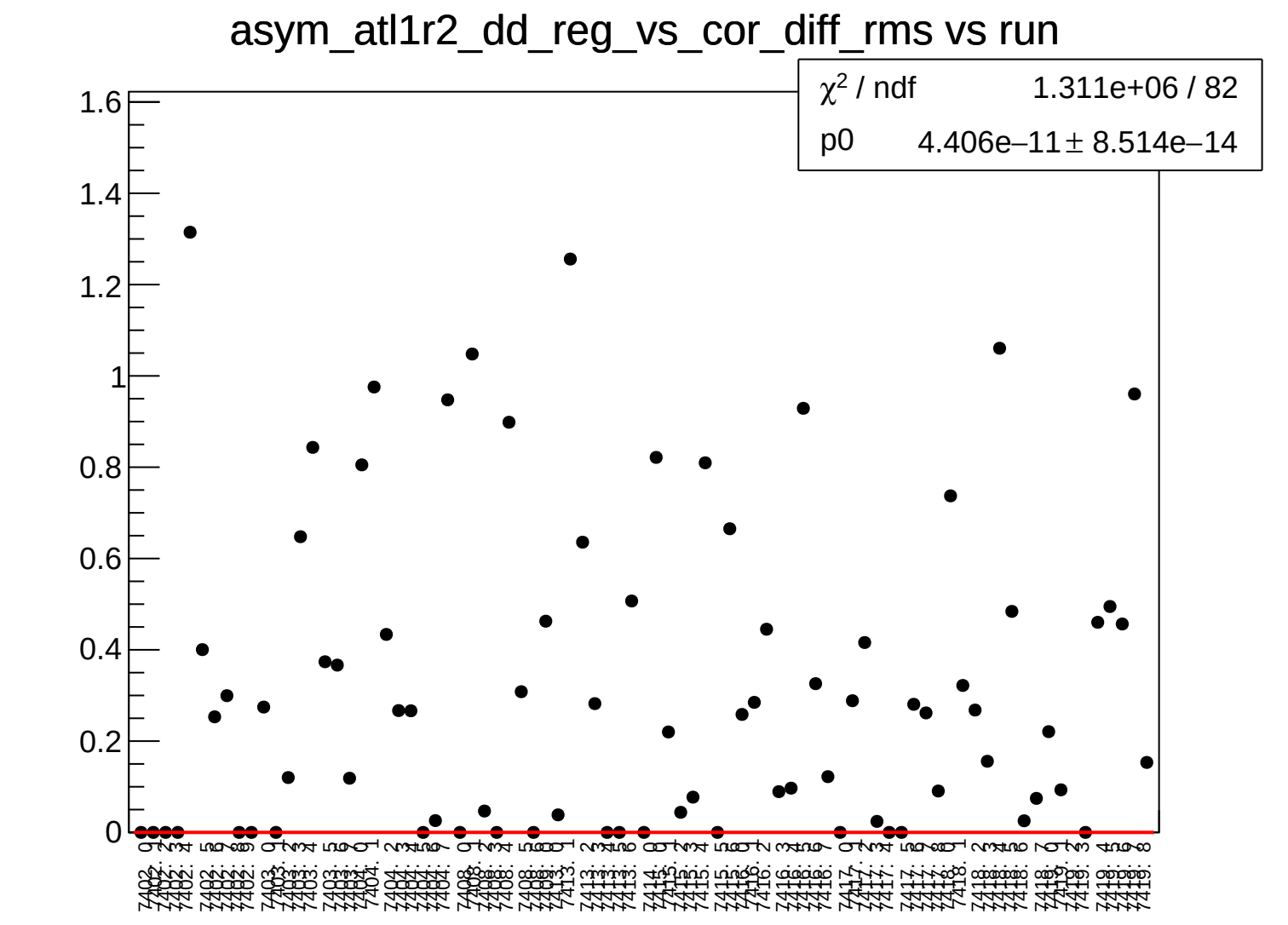

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 75.6 / 82
p0 534.1 ± 5470
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean 1372
Std Dev 0
2
1
0
−1
−2

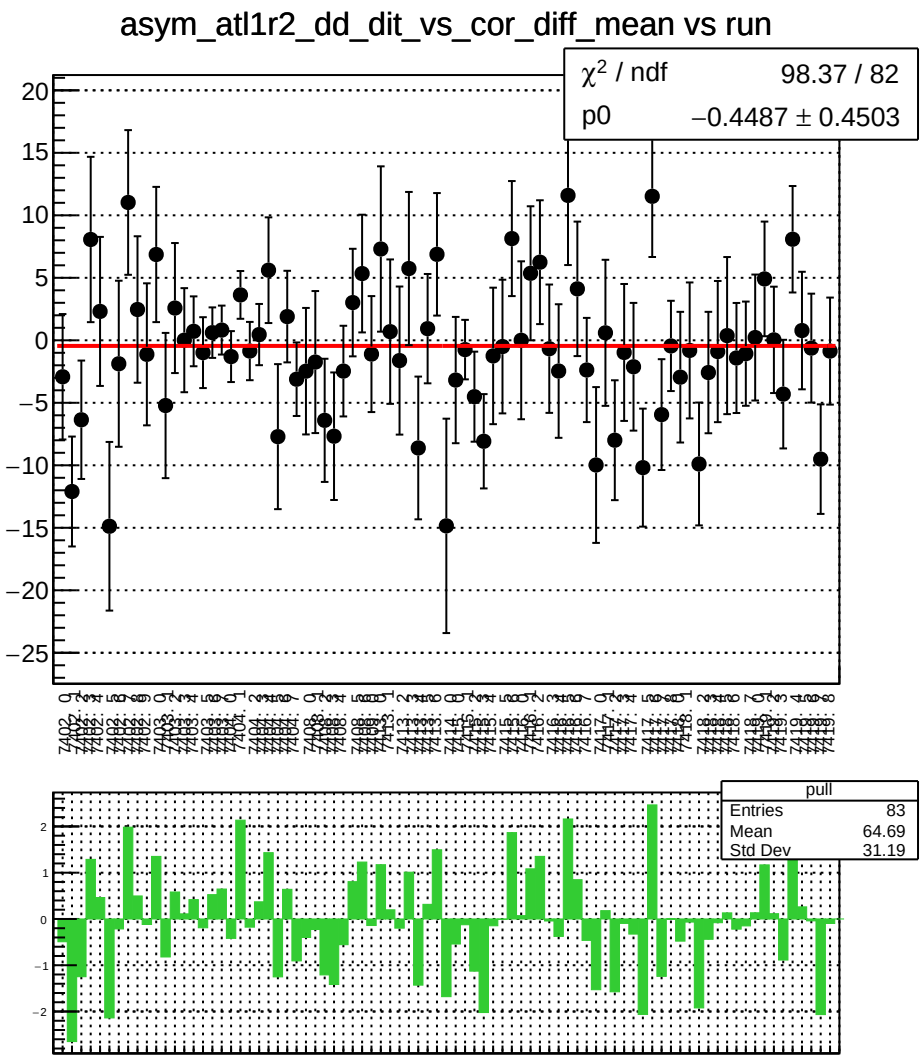

pull1D
Entries 83
Mean −0.002052
Std Dev 0.9544
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

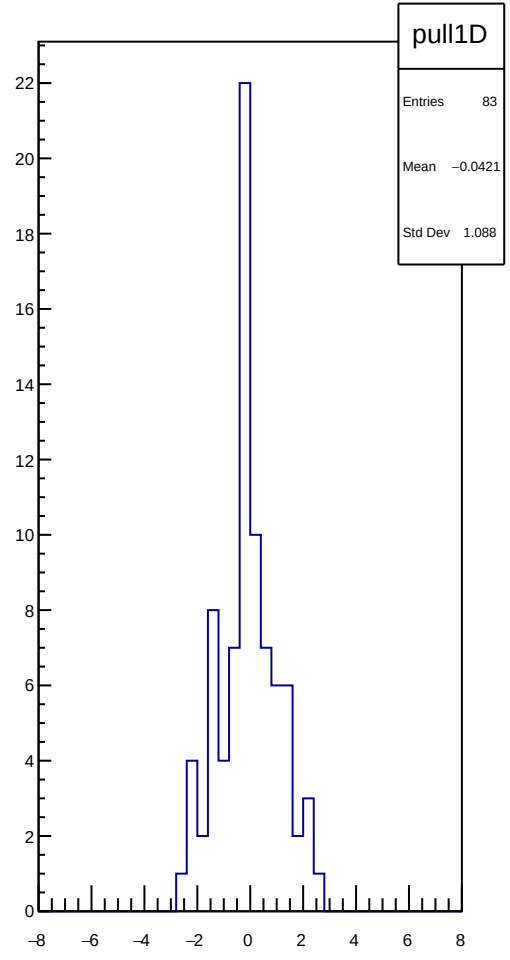

asym_atl1r2_dd_rms vs run
χ² / ndf 2863 / 82
p0 4855 ± 3.868
5800
5600
5400
5200
5000
4800
4600
4400

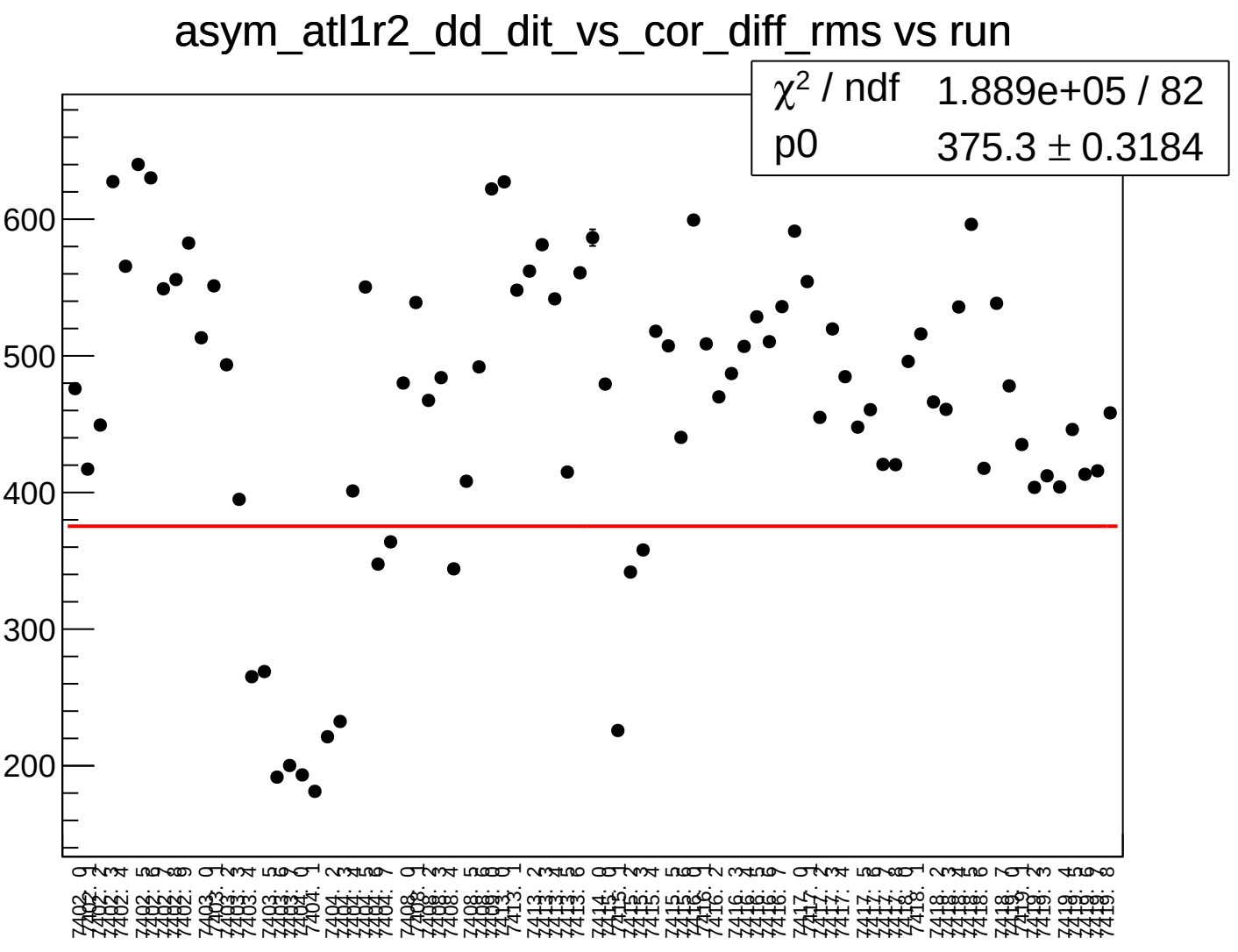

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.95 / 82
p0 1.356e−14 ± 1.204e−13
pull
Entries 83
Mean 30.4
Std Dev 45.62

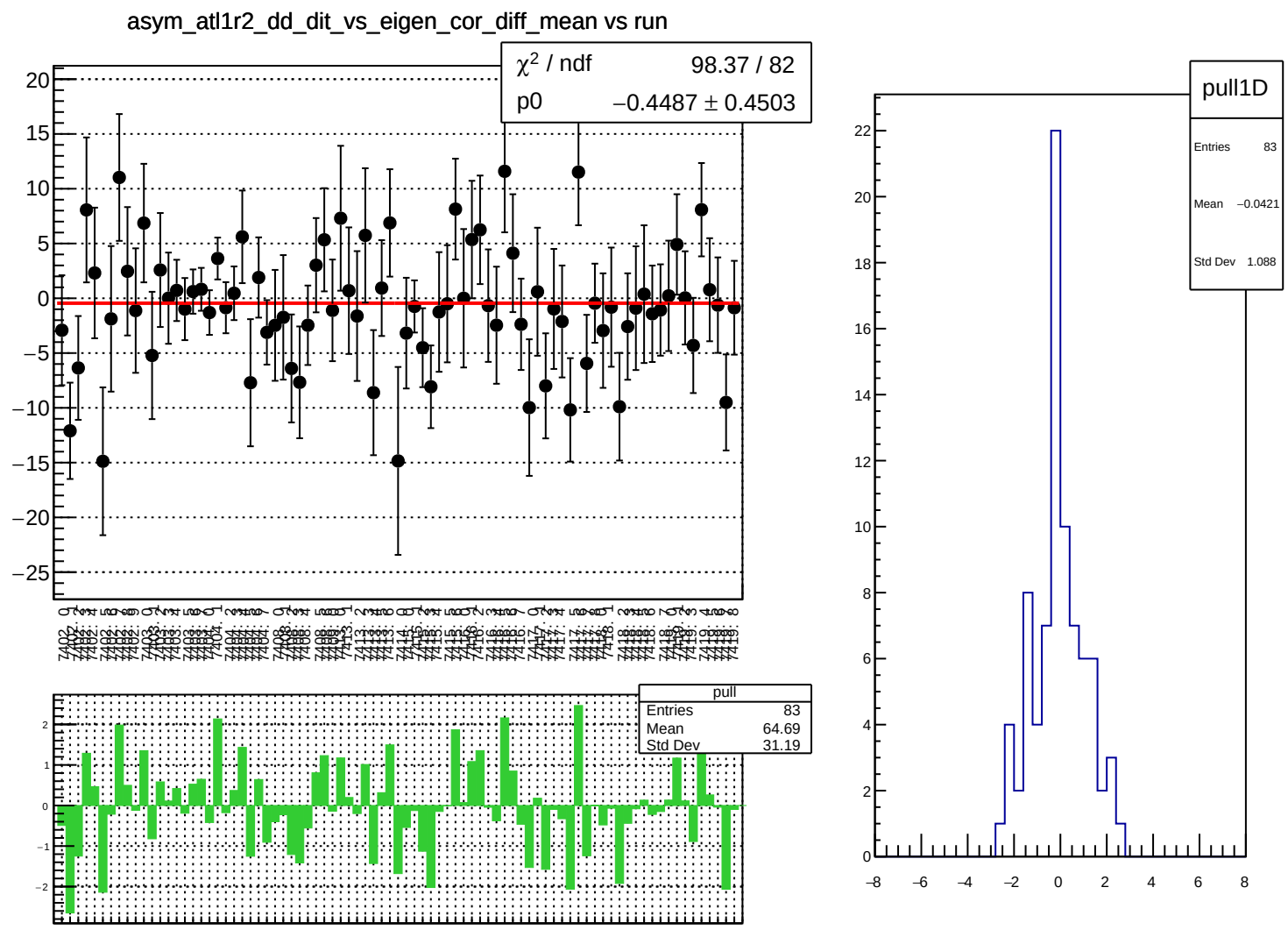

pull1D
Entries 83
Mean 0.04782
Std Dev 0.9741

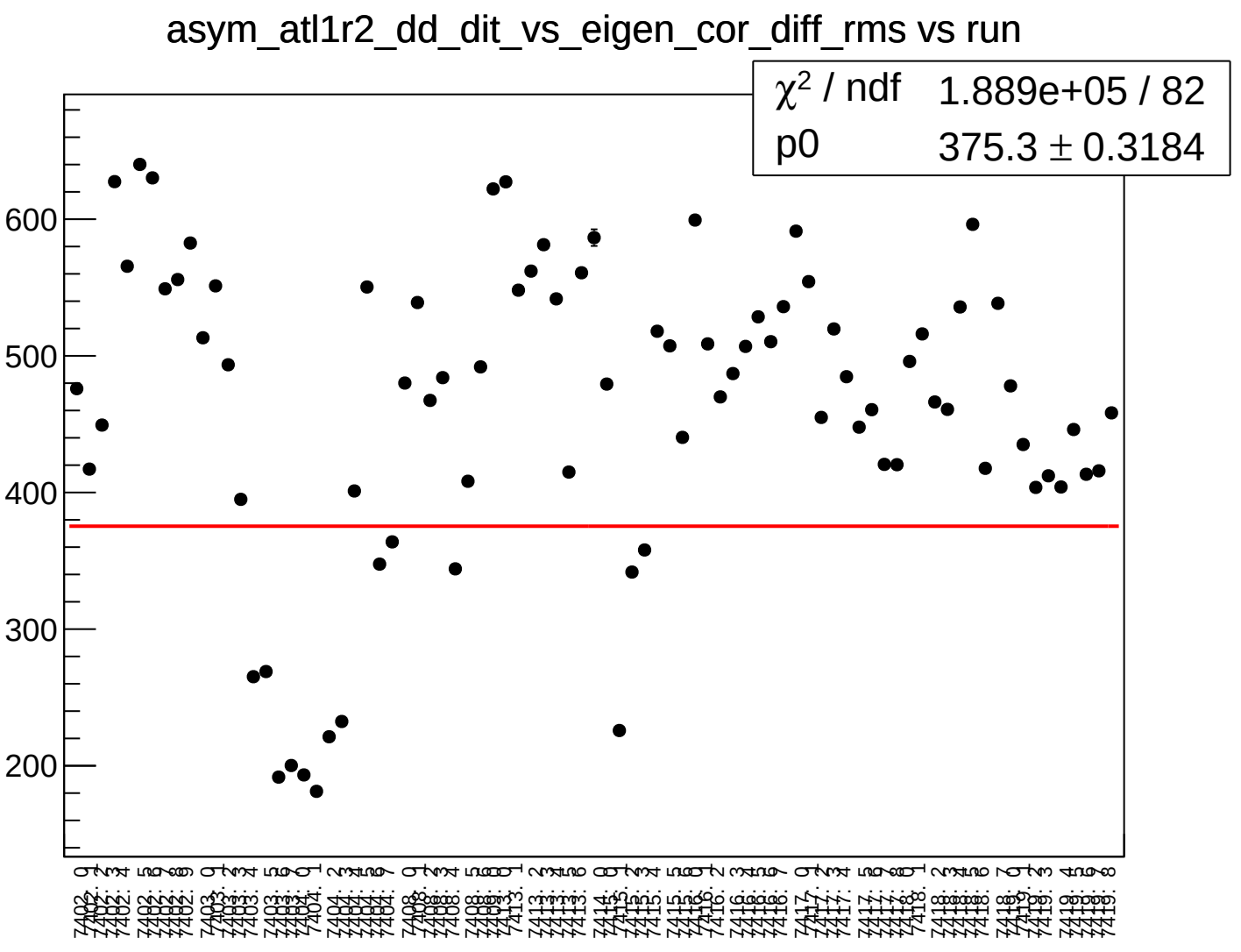

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.311e+06 / 82
p0 4.406e−11 ± 8.514e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

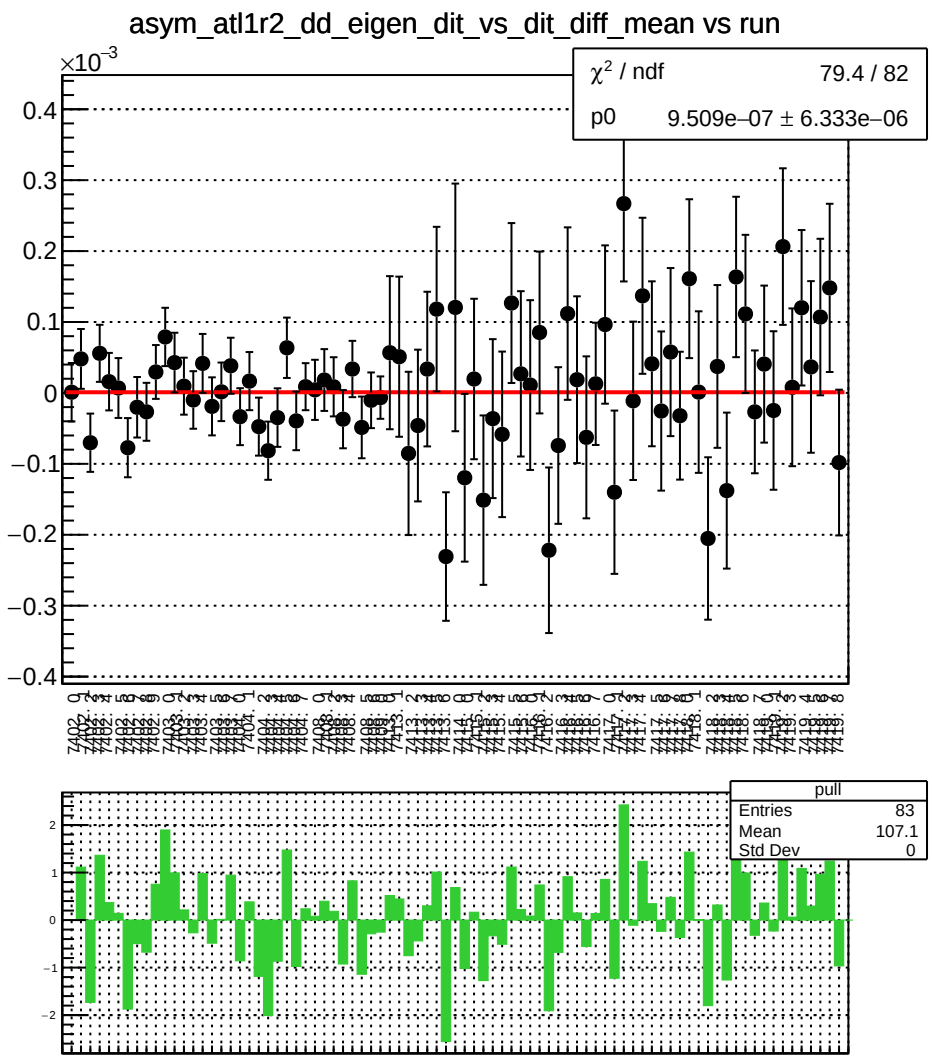

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 98.37 / 82
p0 −0.4487 ± 0.4503
pull
Entries 83
Mean 64.69
Std Dev 31.19

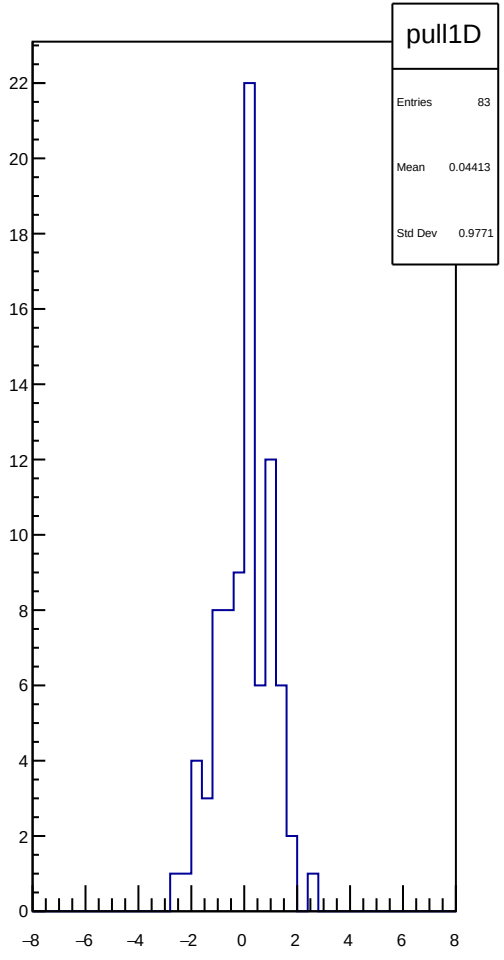

pull1D
Entries 83
Mean −0.0421
Std Dev 1.088

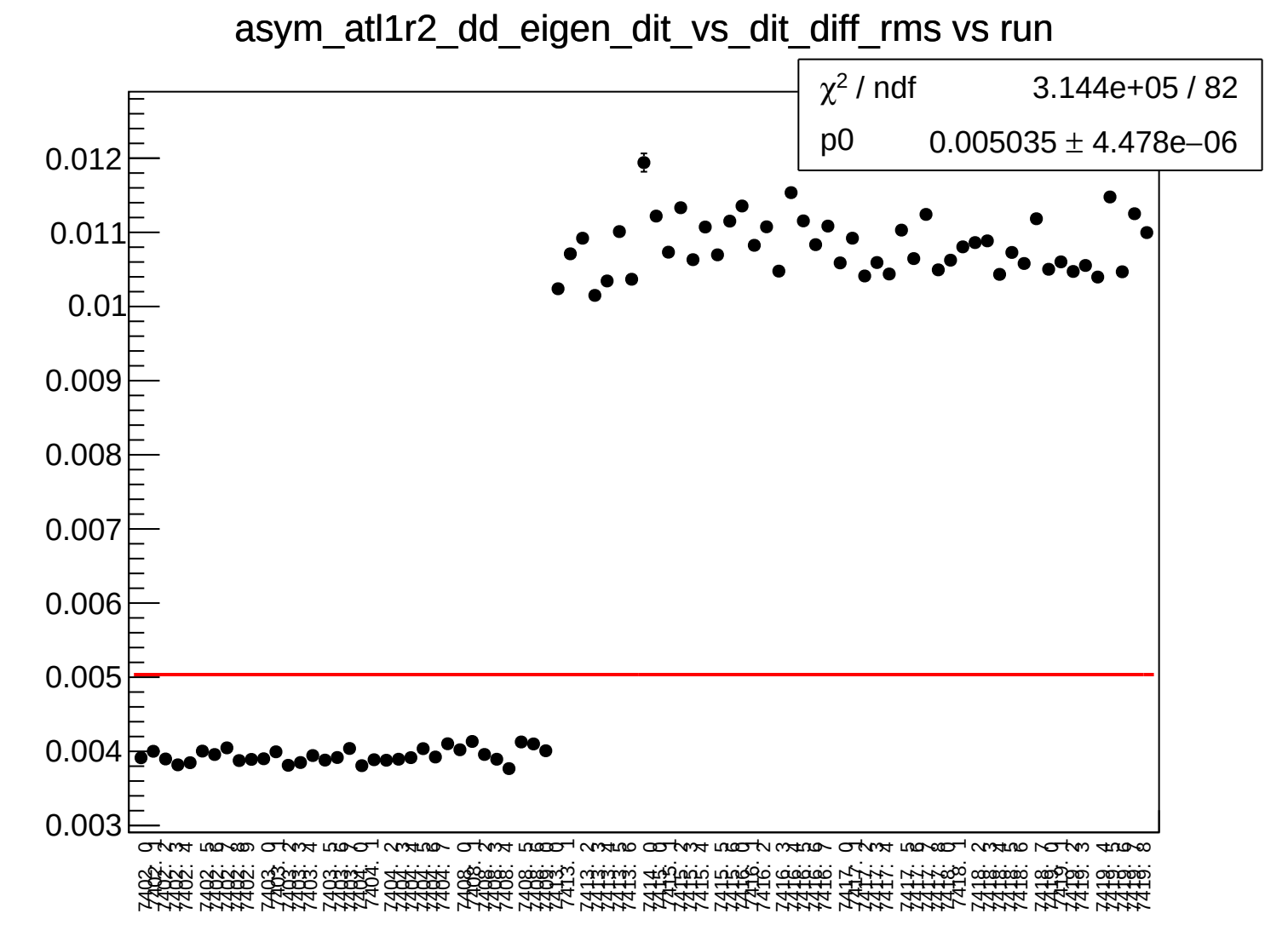

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.889e+05 / 82
p0 375.3 ± 0.3184
600
500
400
300
200

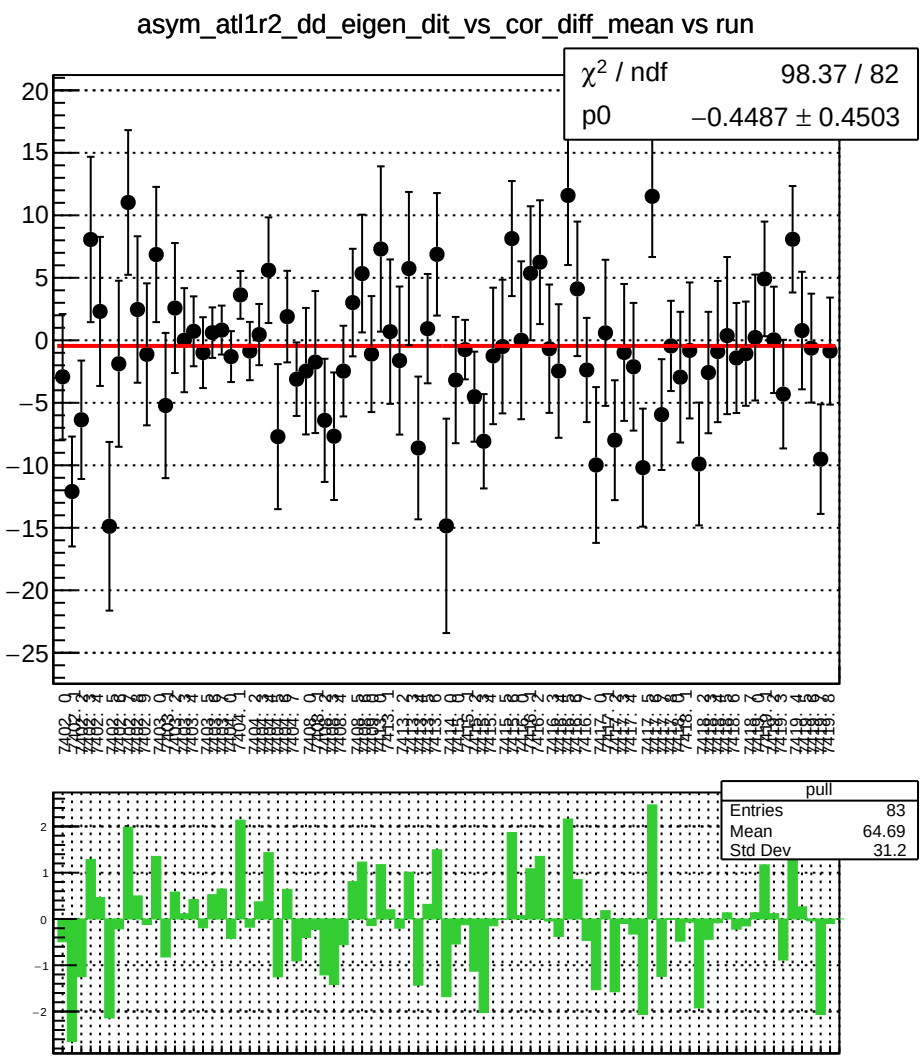

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.37 / 82
p0 −0.4487 ± 0.4503
pull
Entries 83
Mean 64.69
Std Dev 31.19
pull1D
Entries 83
Mean −0.0421
Std Dev 1.088

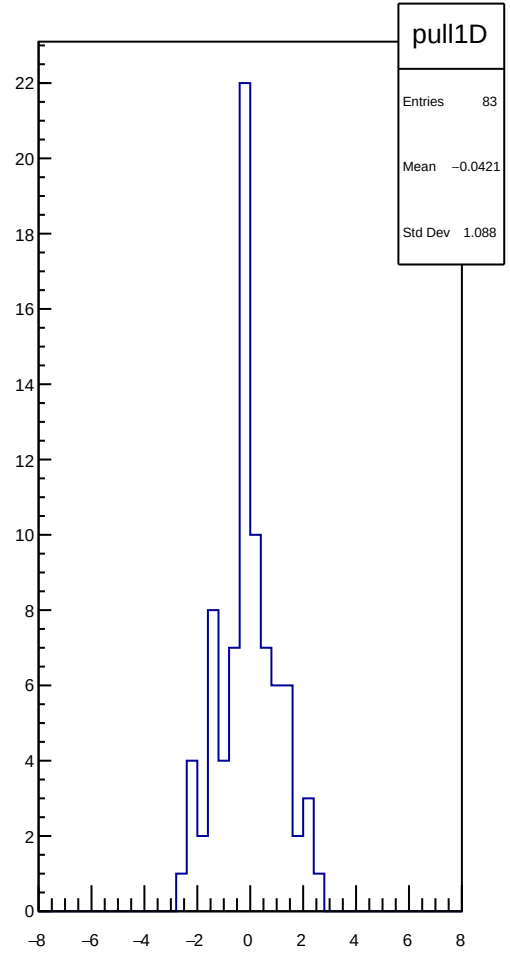

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.889e+05 / 82
p0 375.3 ± 0.3184
600
500
400
300
200

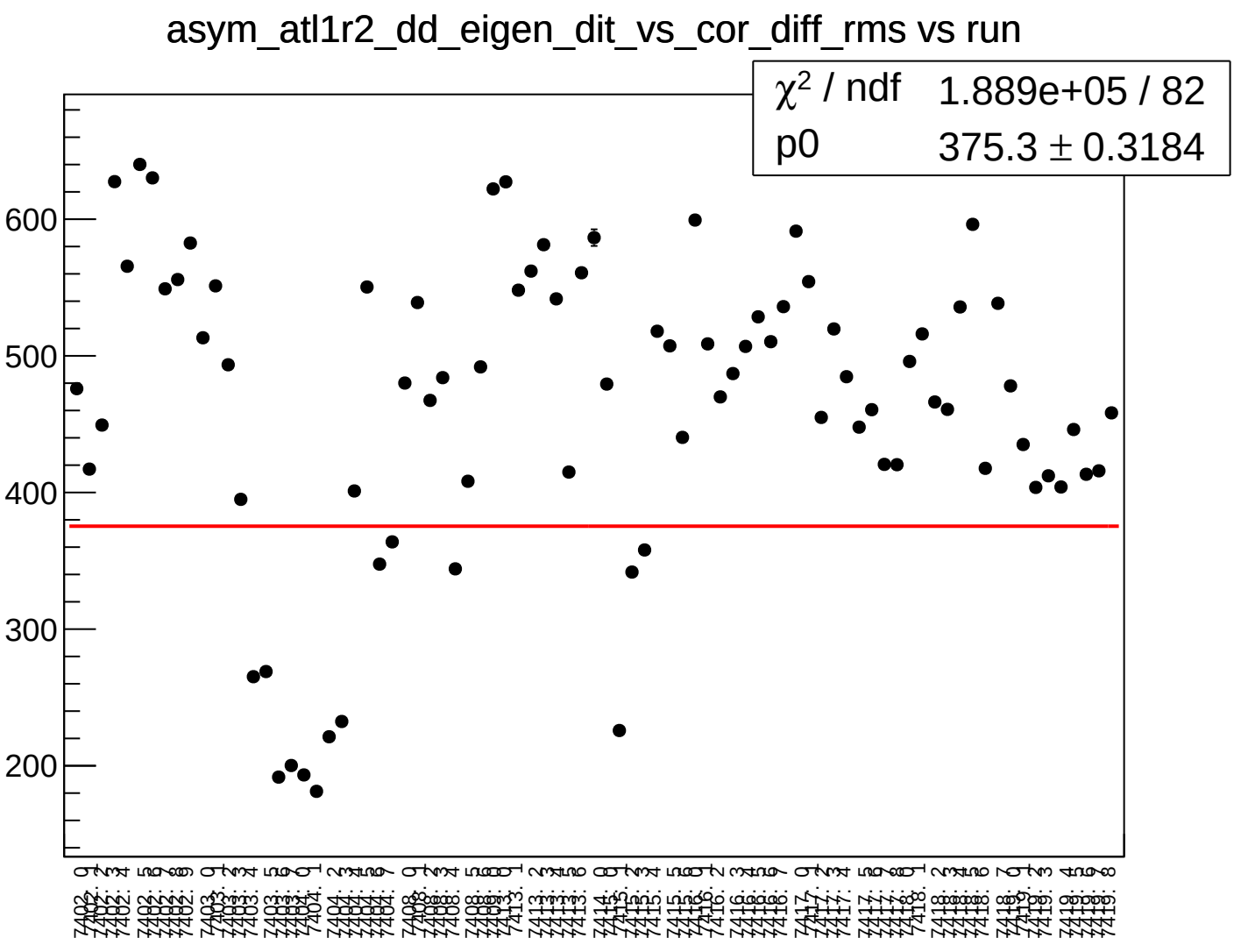

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.4 / 82
p0 9.509e−07 ± 6.333e−06
pull
Entries 83
Mean 107.1
Std Dev 0

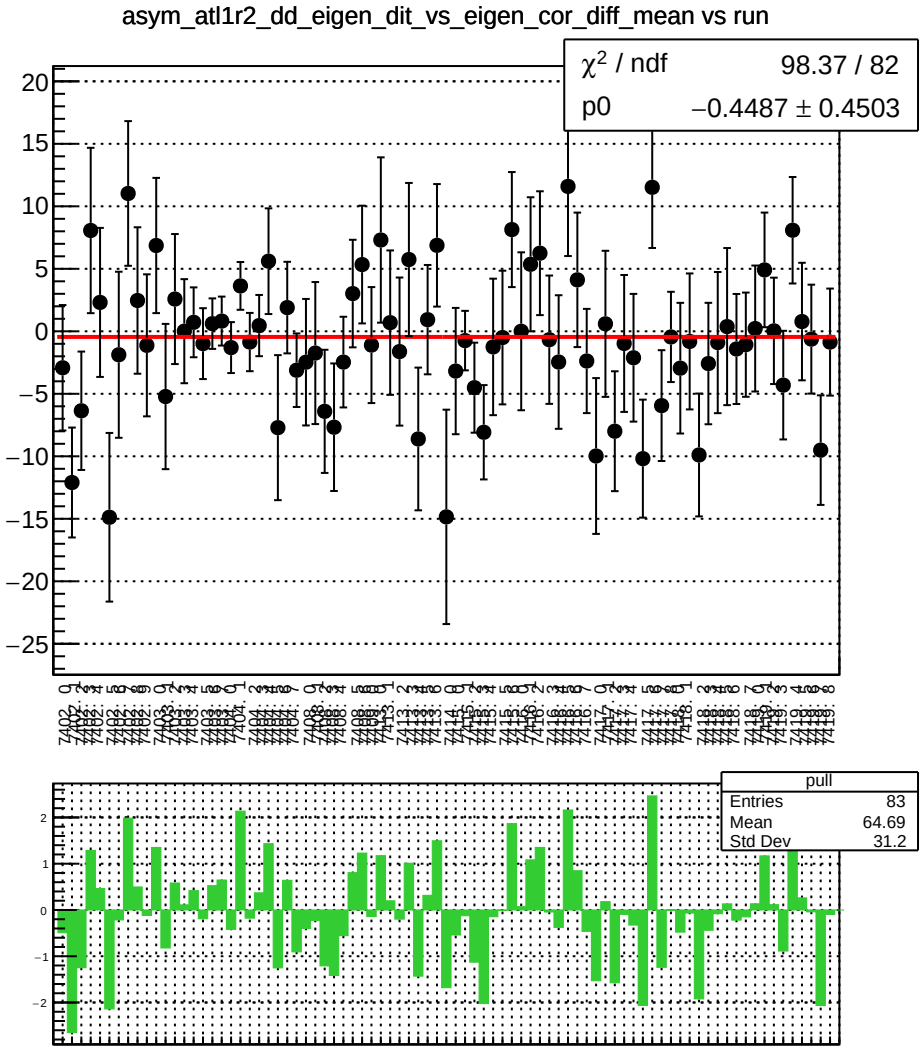

pull1D
Entries 83
Mean 0.04413
Std Dev 0.9771

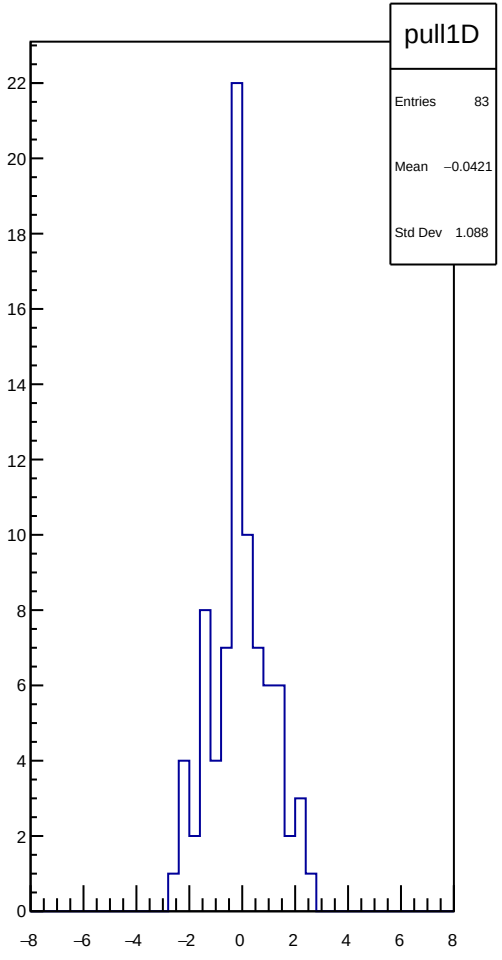

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.144e+05 / 82
p0 0.005035 ± 4.478e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

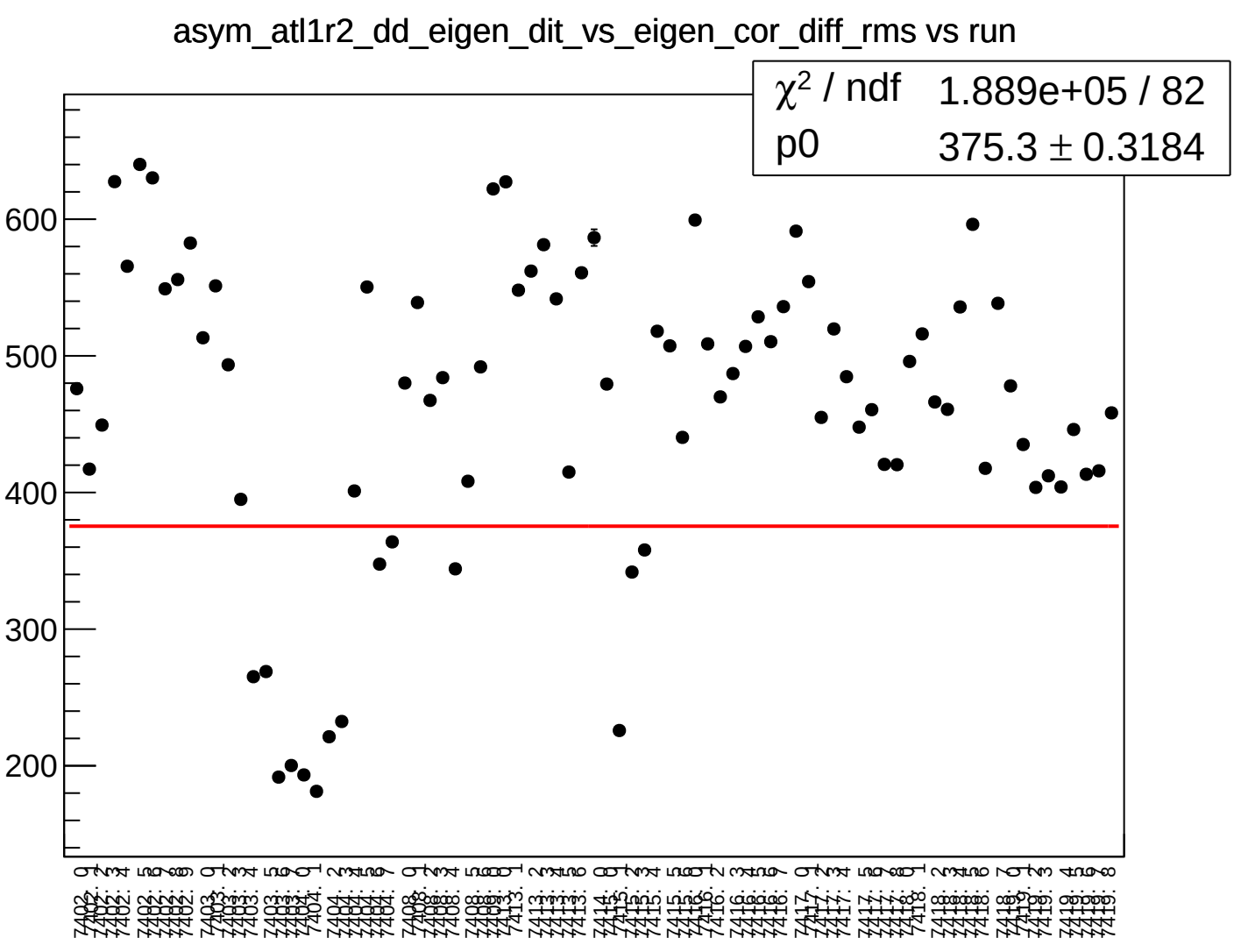

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.37 / 82
p0 −0.4487 ± 0.4503
pull
Entries 83
Mean 64.69
Std Dev 31.2

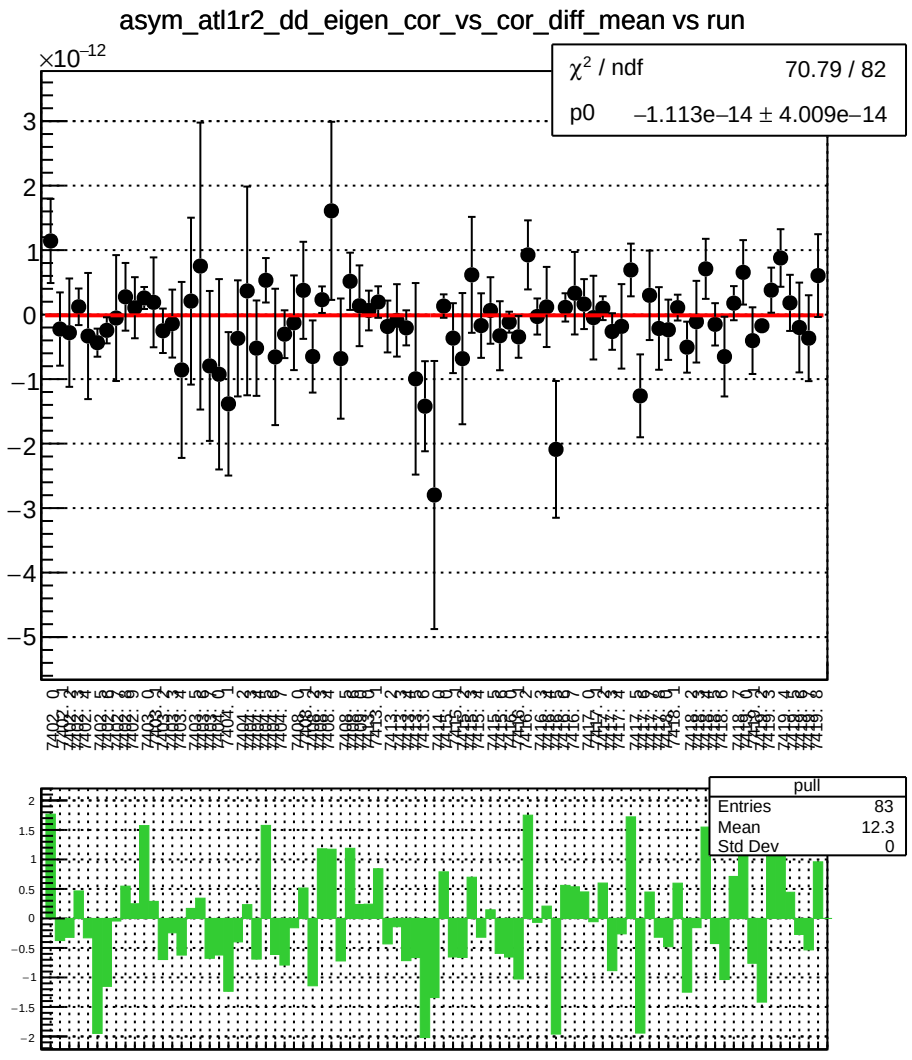

pull1D
Entries 83
Mean −0.0421
Std Dev 1.088

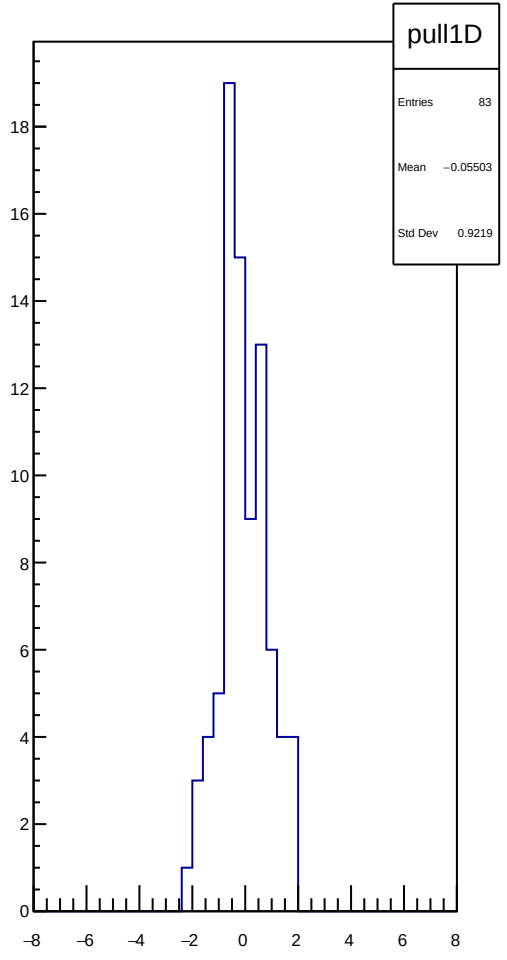

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.889e+05 / 82
p0 375.3 ± 0.3184
600
500
400
300
200

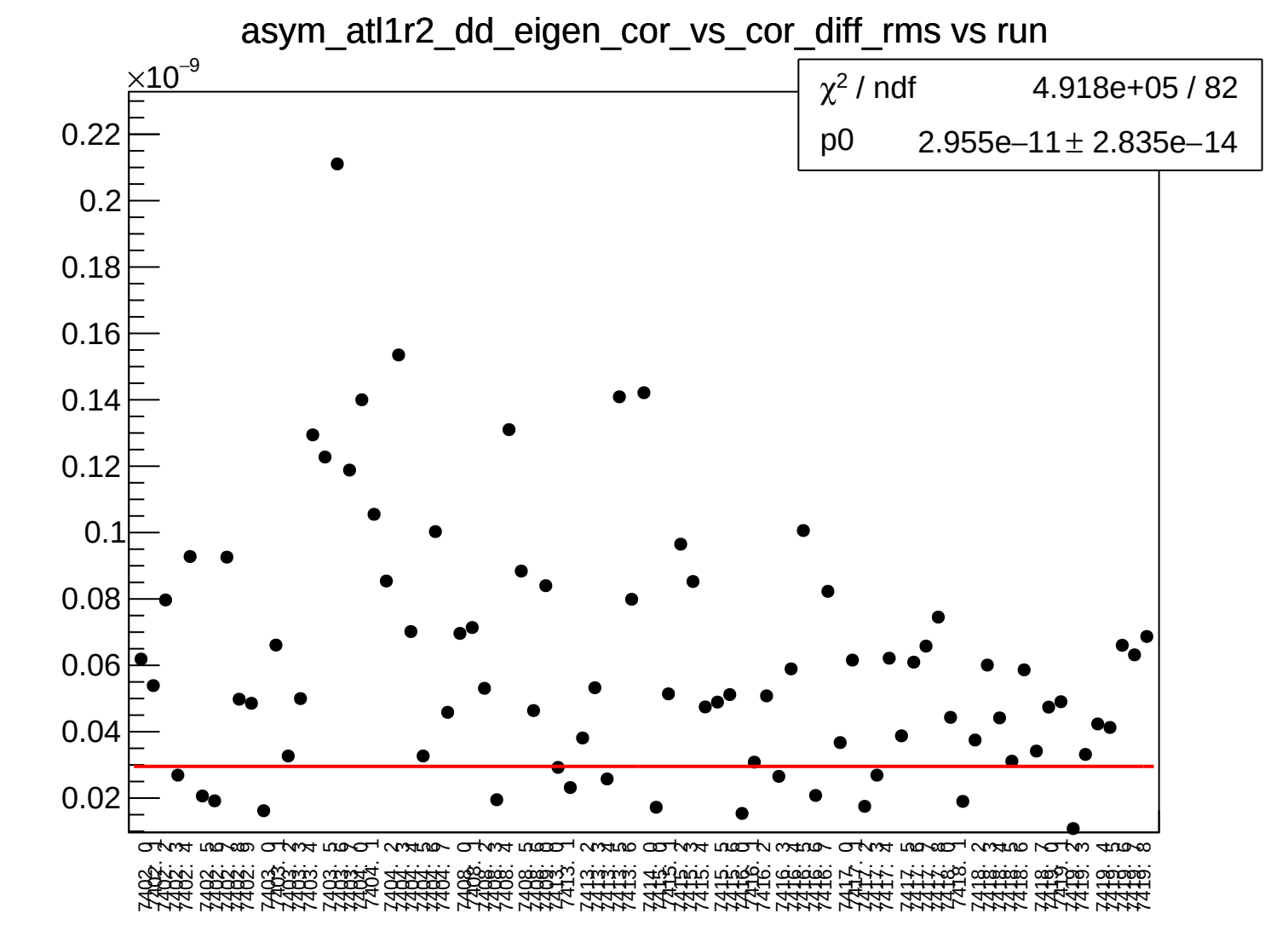

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.37 / 82
p0 −0.4487 ± 0.4503
pull
Entries 83
Mean 64.69
Std Dev 31.2

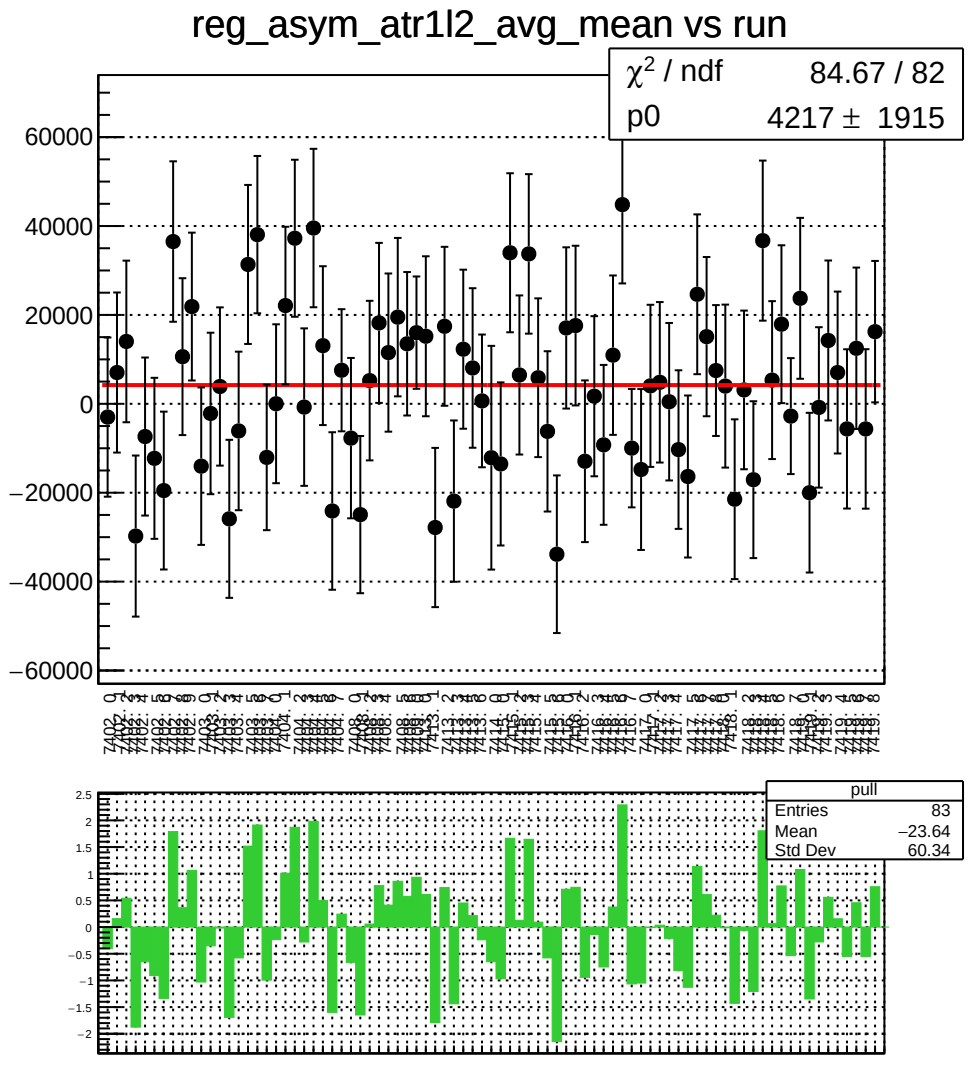

pull1D
Entries 83
Mean −0.0421
Std Dev 1.088

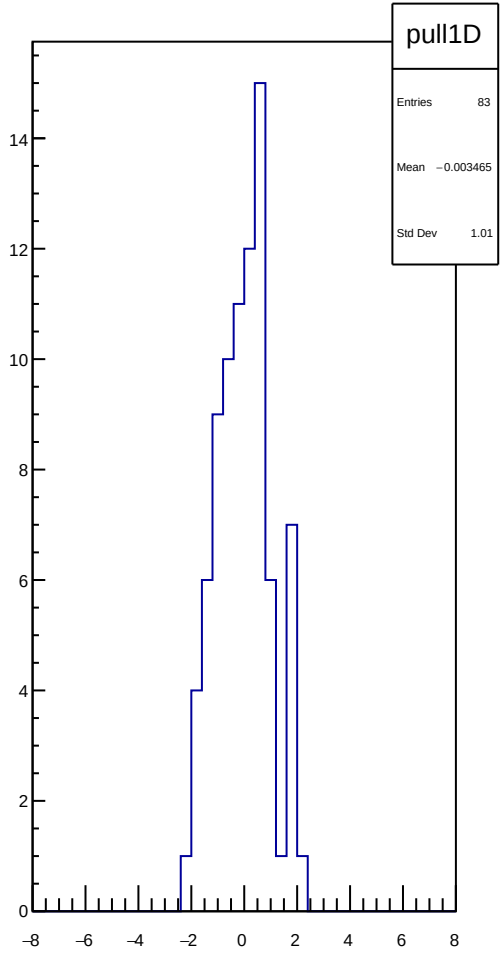

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.889e+05 / 82
p0 375.3 ± 0.3184
600
500
400
300
200

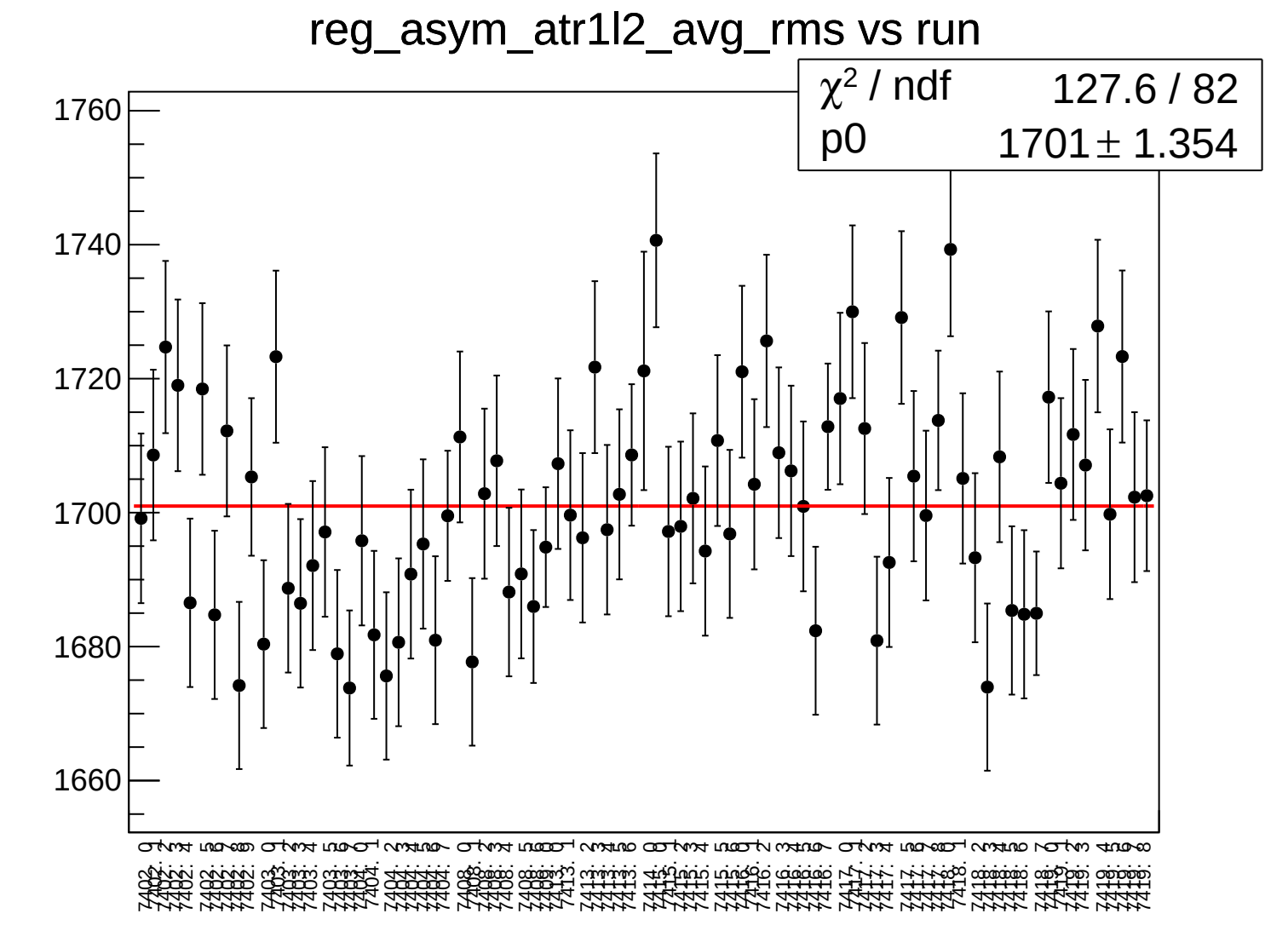

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.79 / 82
p0 −1.113e−14 ± 4.009e−14
pull
Entries 83
Mean 12.3
Std Dev 0

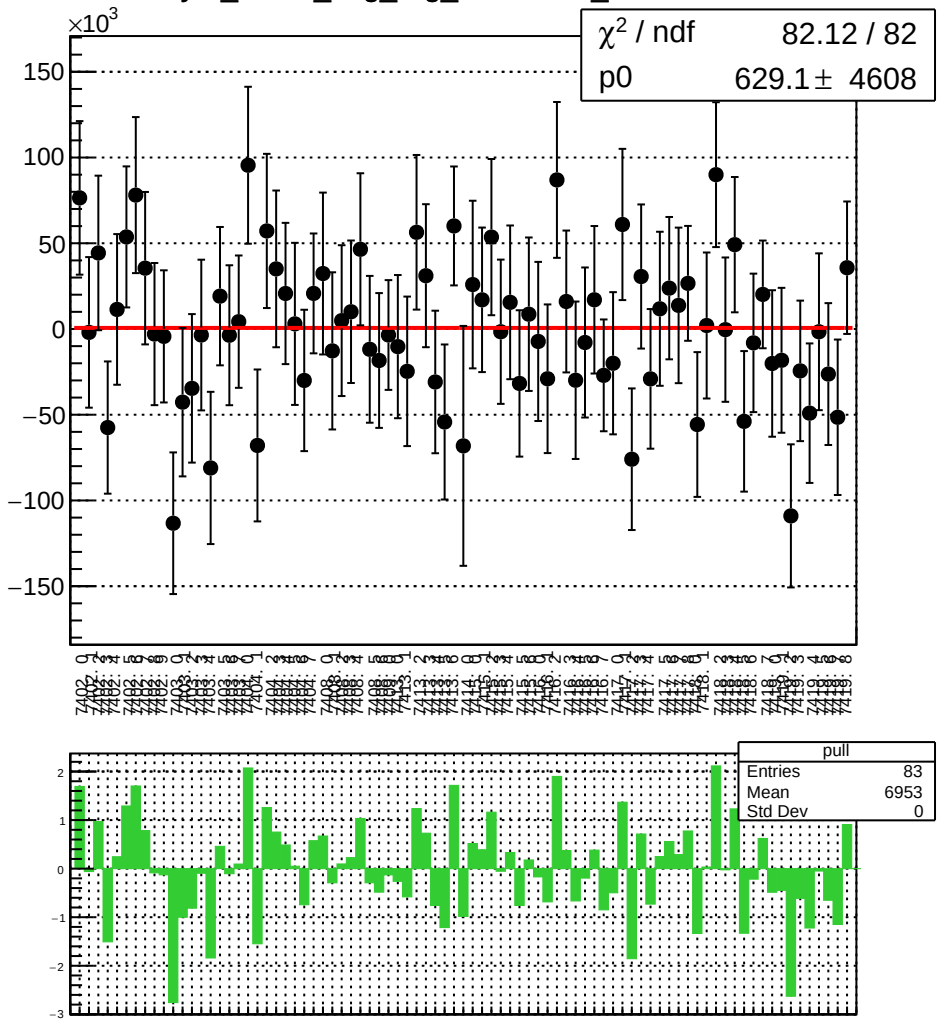

pull1D
Entries 83
Mean −0.05503
Std Dev 0.9219

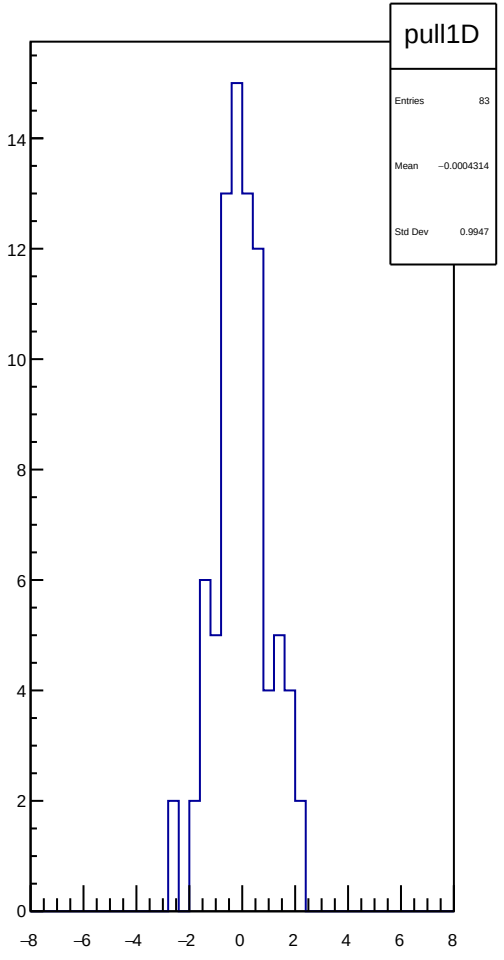

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.918e+05 / 82
p0 2.955e−11 ± 2.835e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

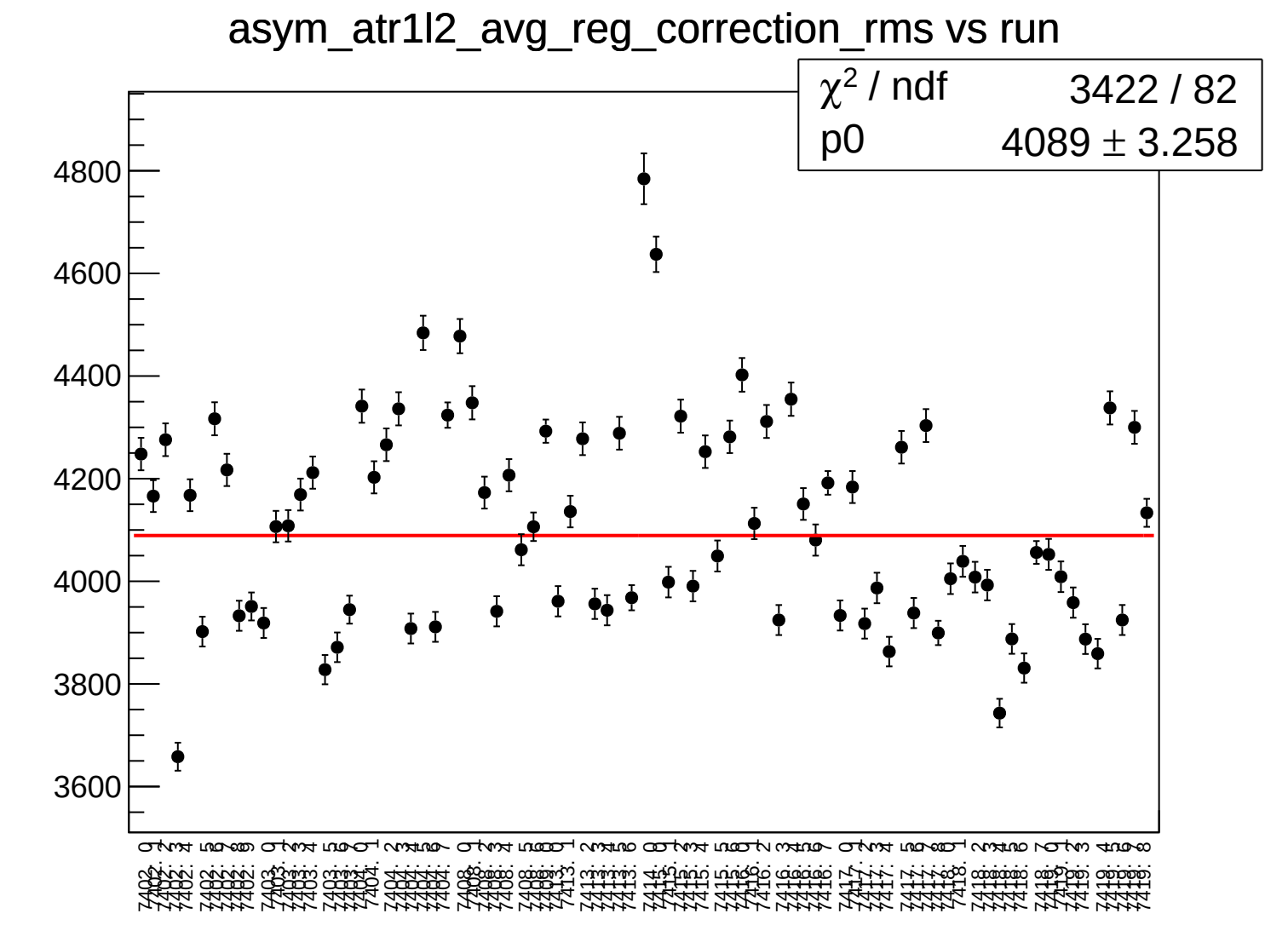

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 84.67 / 82
p0 4217 ± 1915
pull
Entries 83
Mean −23.64
Std Dev 60.34

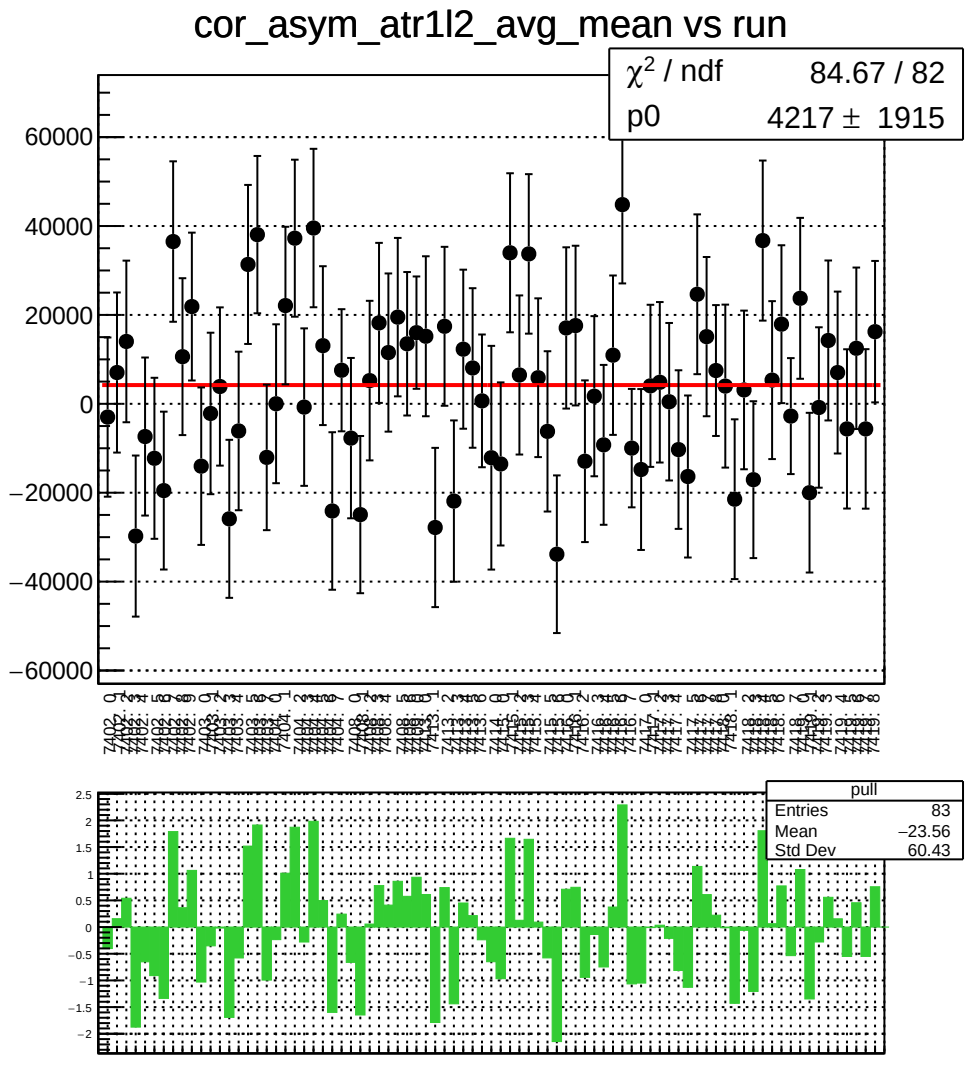

pull1D
Entries 83
Mean −0.003465
Std Dev 1.01

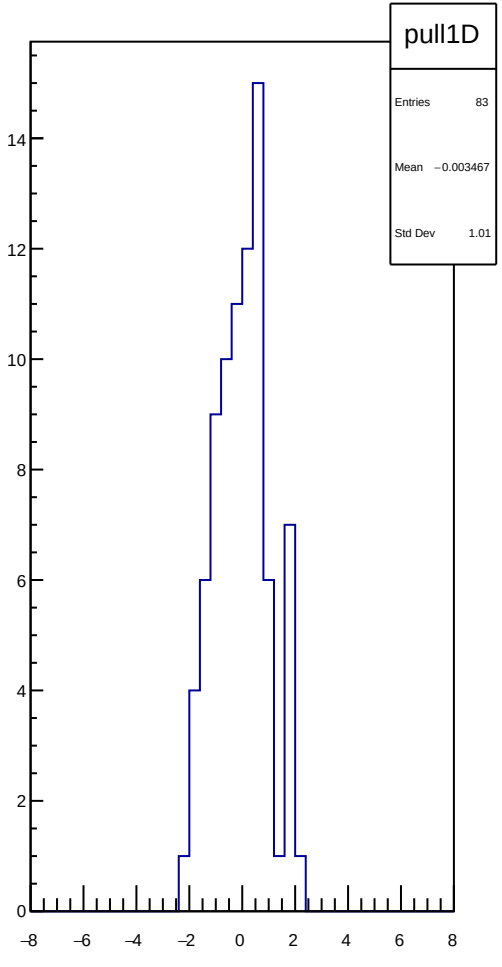

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 127.6 / 82
p0 1701 ± 1.354
1760
1740
1720
1700
1680
1660

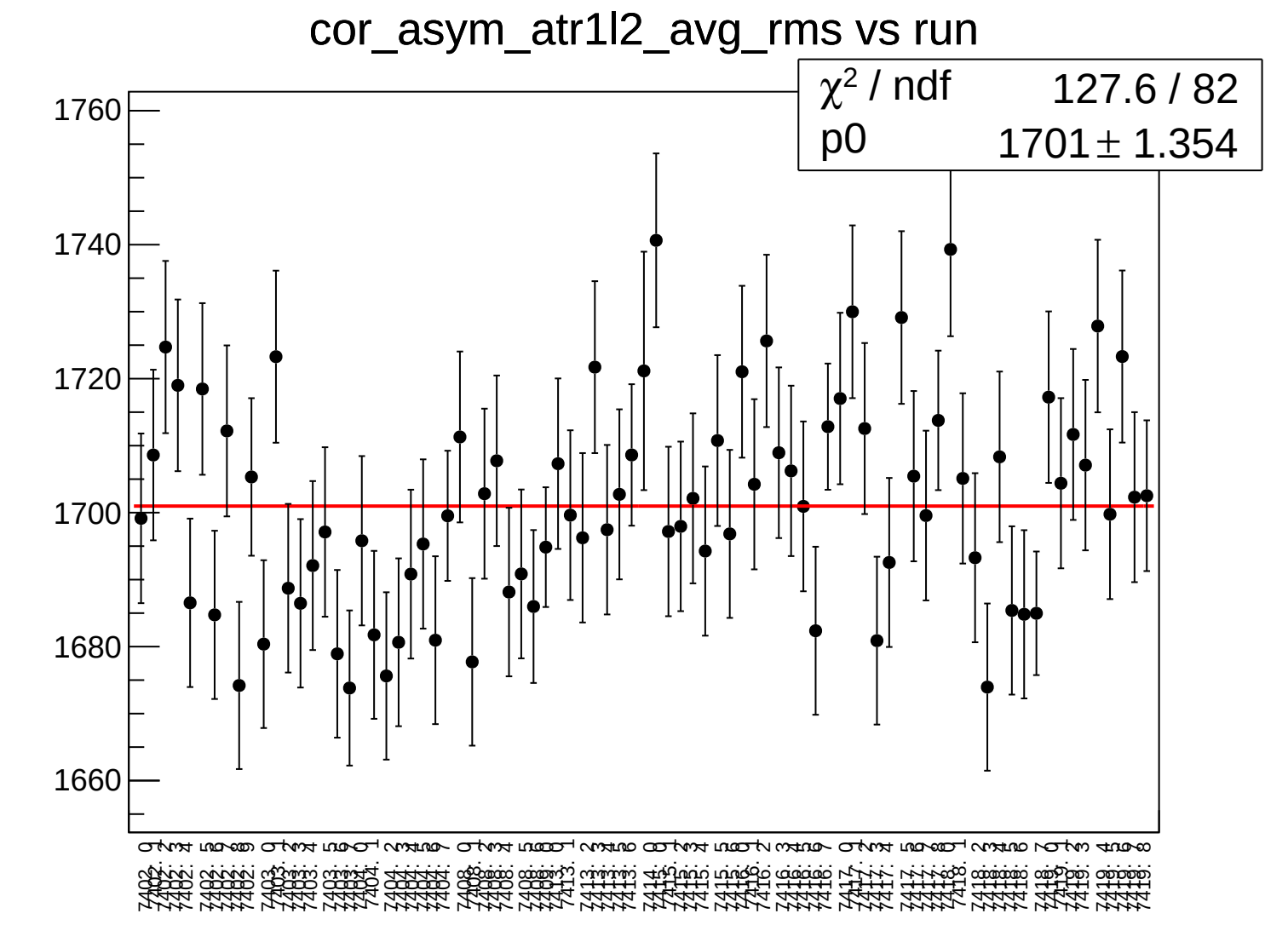

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 82.12 / 82
p0 629.1 ± 4608
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 6953
Std Dev 0
2
1
0
−1
−2
−3

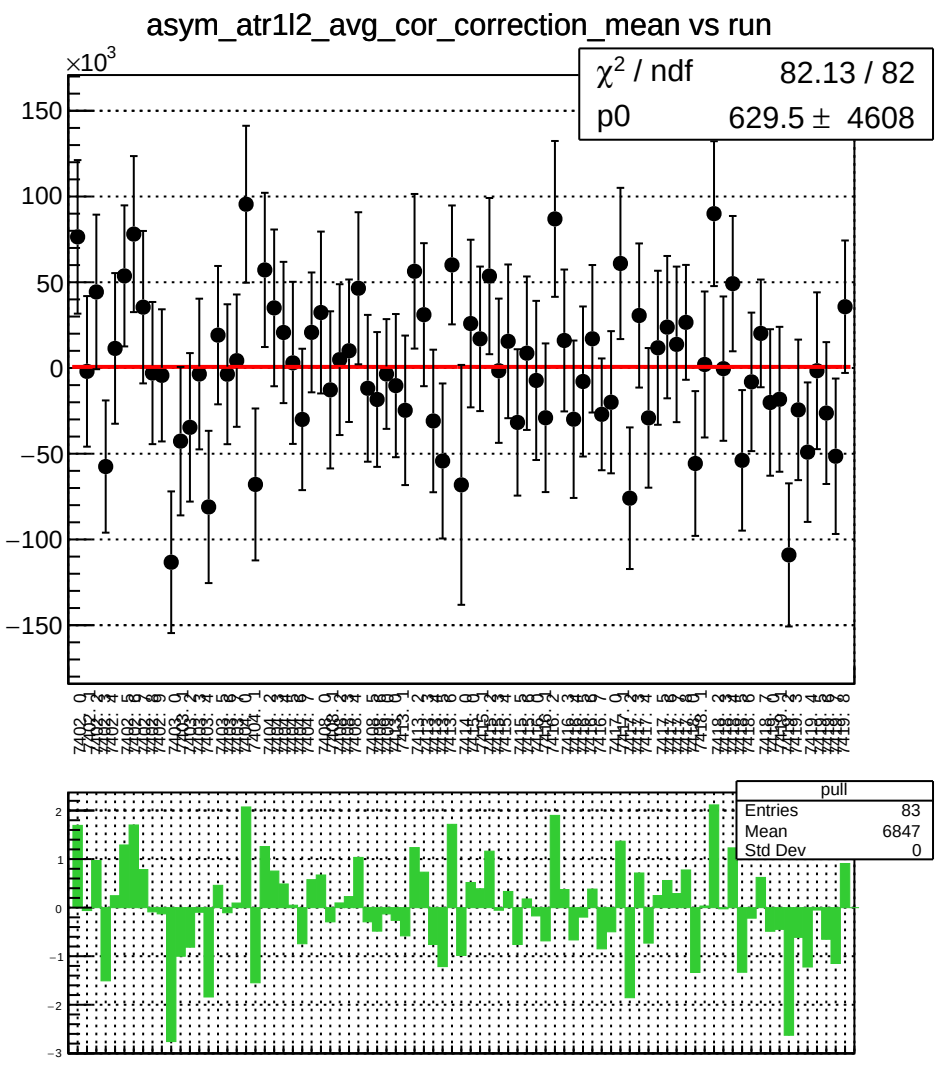

pull1D
Entries 83
Mean −0.0004314
Std Dev 0.9947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

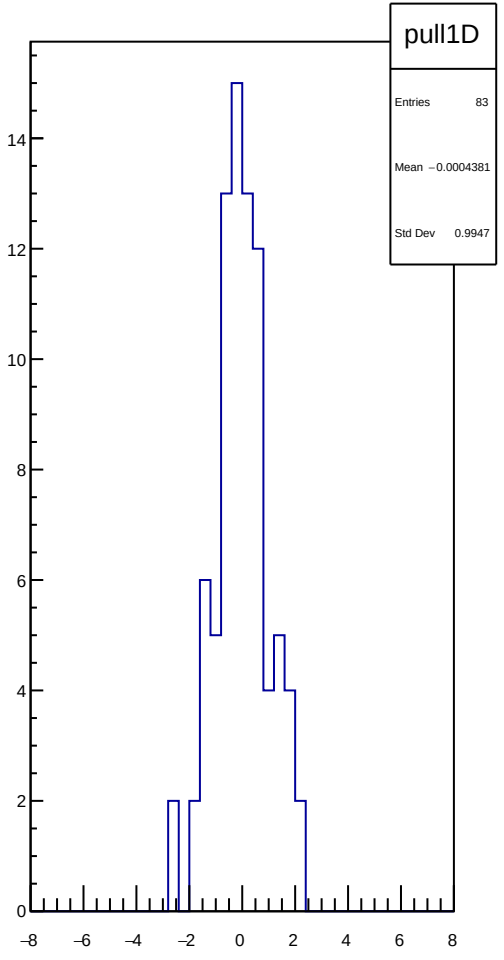

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 3422 / 82
p0 4089 ± 3.258
4800
4600
4400
4200
4000
3800
3600

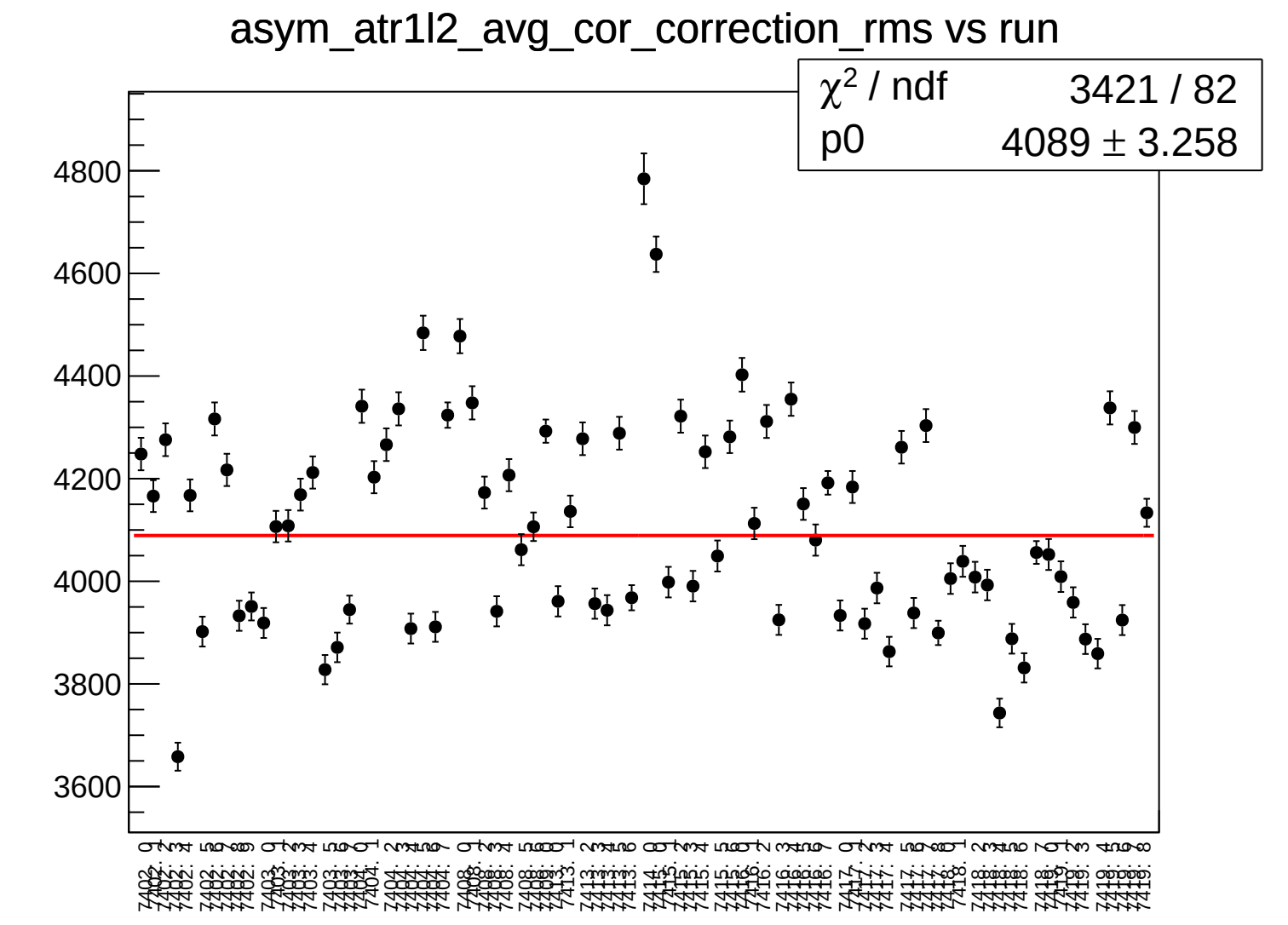

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 84.67 / 82
p0 4217 ± 1915
pull
Entries 83
Mean −23.56
Std Dev 60.43

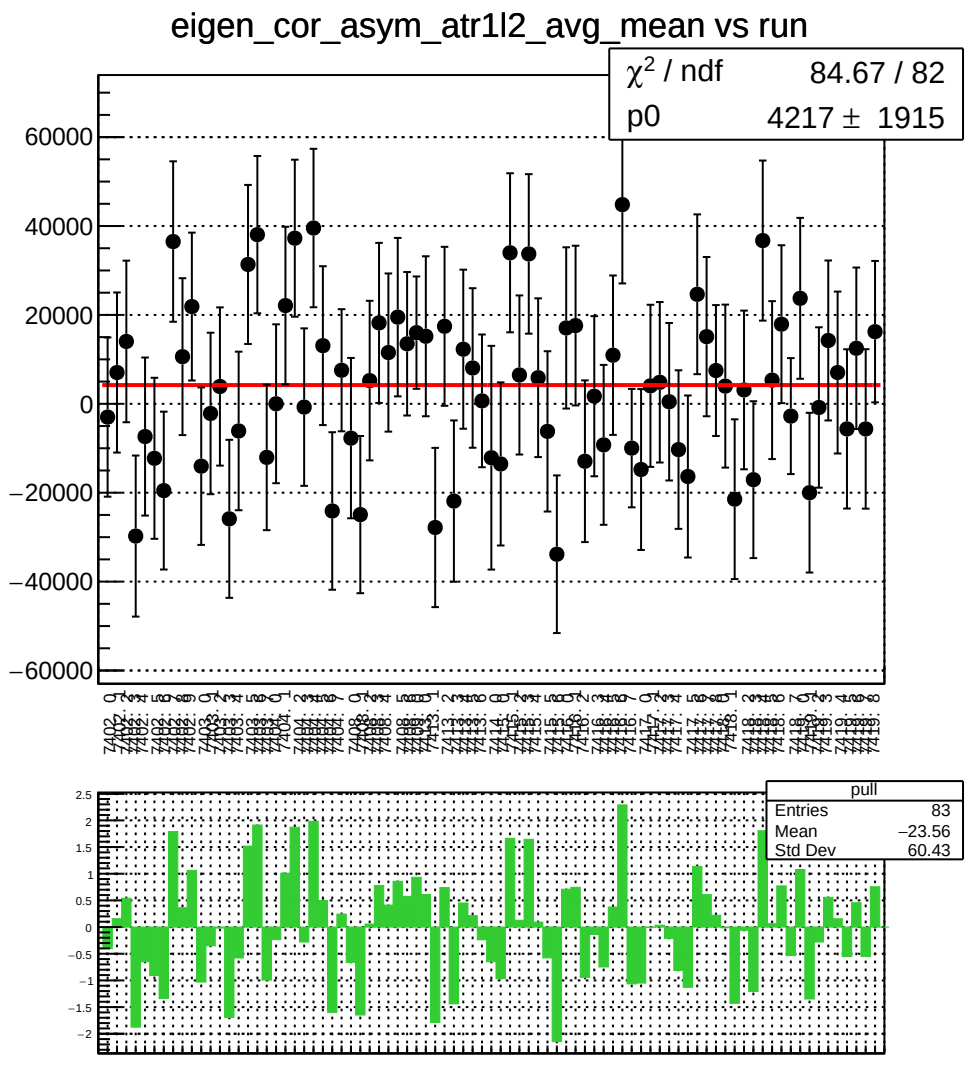

pull1D
Entries 83
Mean −0.003467
Std Dev 1.01

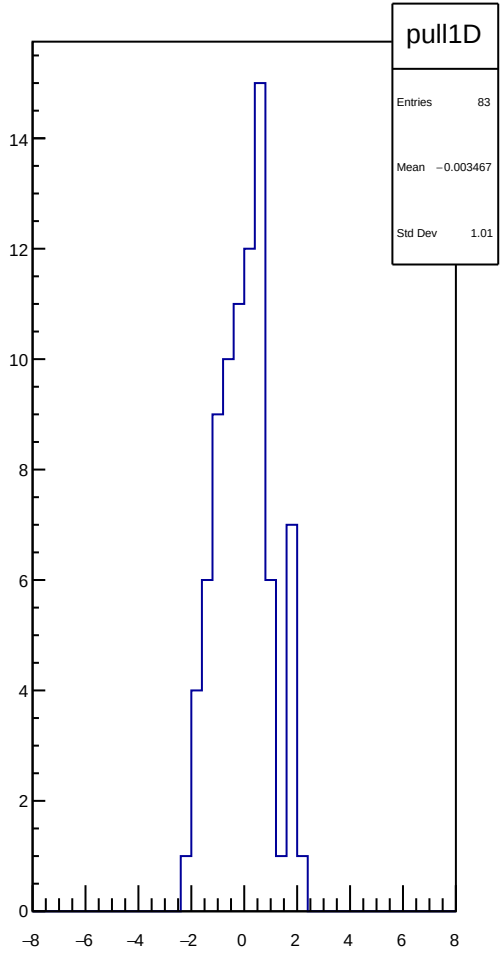

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 127.6 / 82
p0 1701 ± 1.354
1760
1740
1720
1700
1680
1660

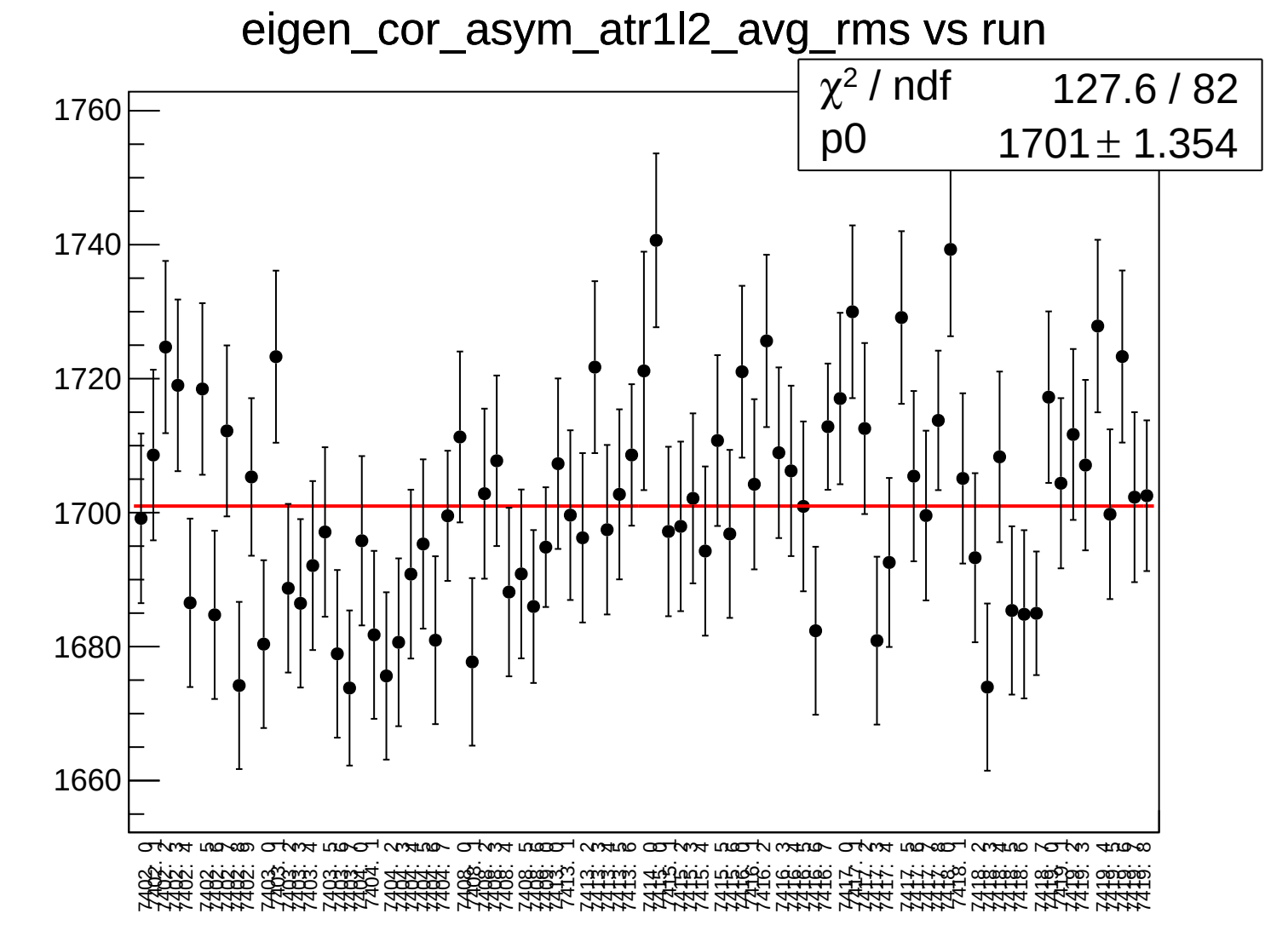

asym_atr1l2_avg_cor_correction_mean vs run
χ² / ndf 82.13 / 82
p0 629.5 ± 4608
×10³
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 6847
Std Dev 0
2
1
0
−1
−2
−3

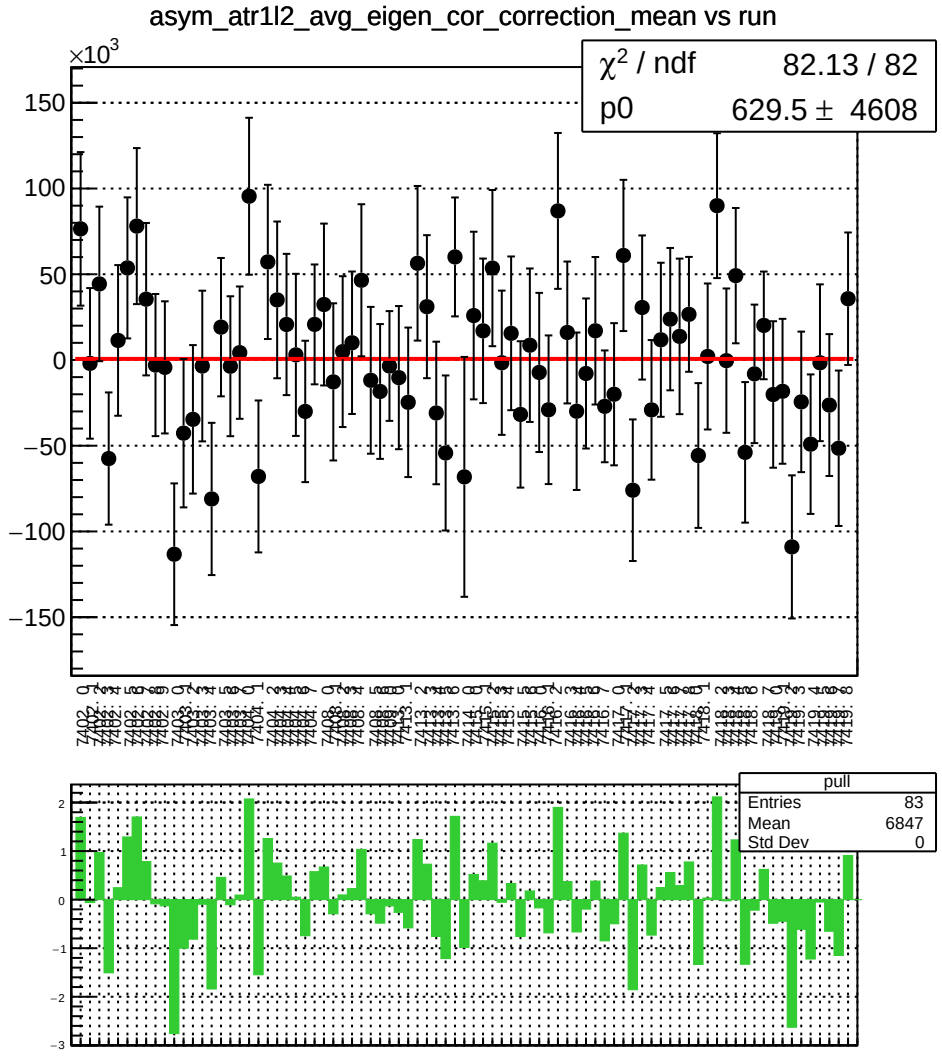

pull1D
Entries 83
Mean −0.0004381
Std Dev 0.9947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

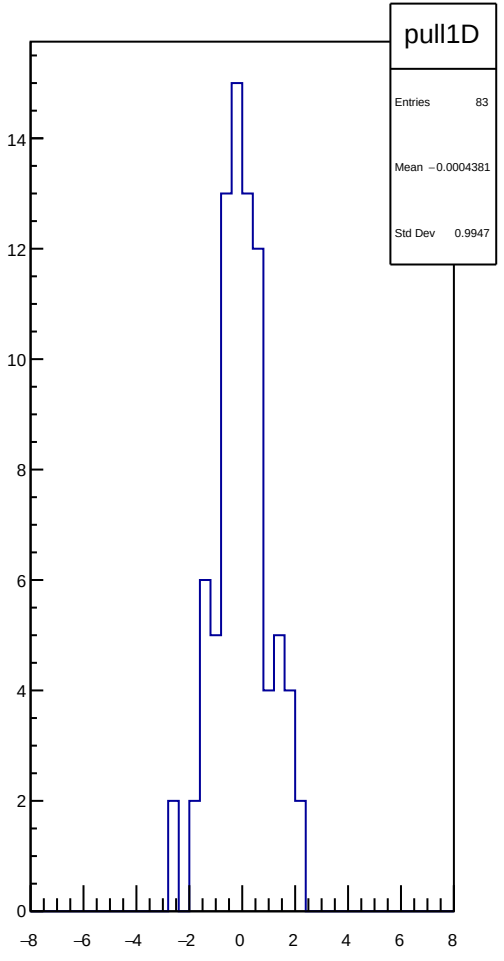

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 3421 / 82
p0 4089 ± 3.258
4800
4600
4400
4200
4000
3800
3600

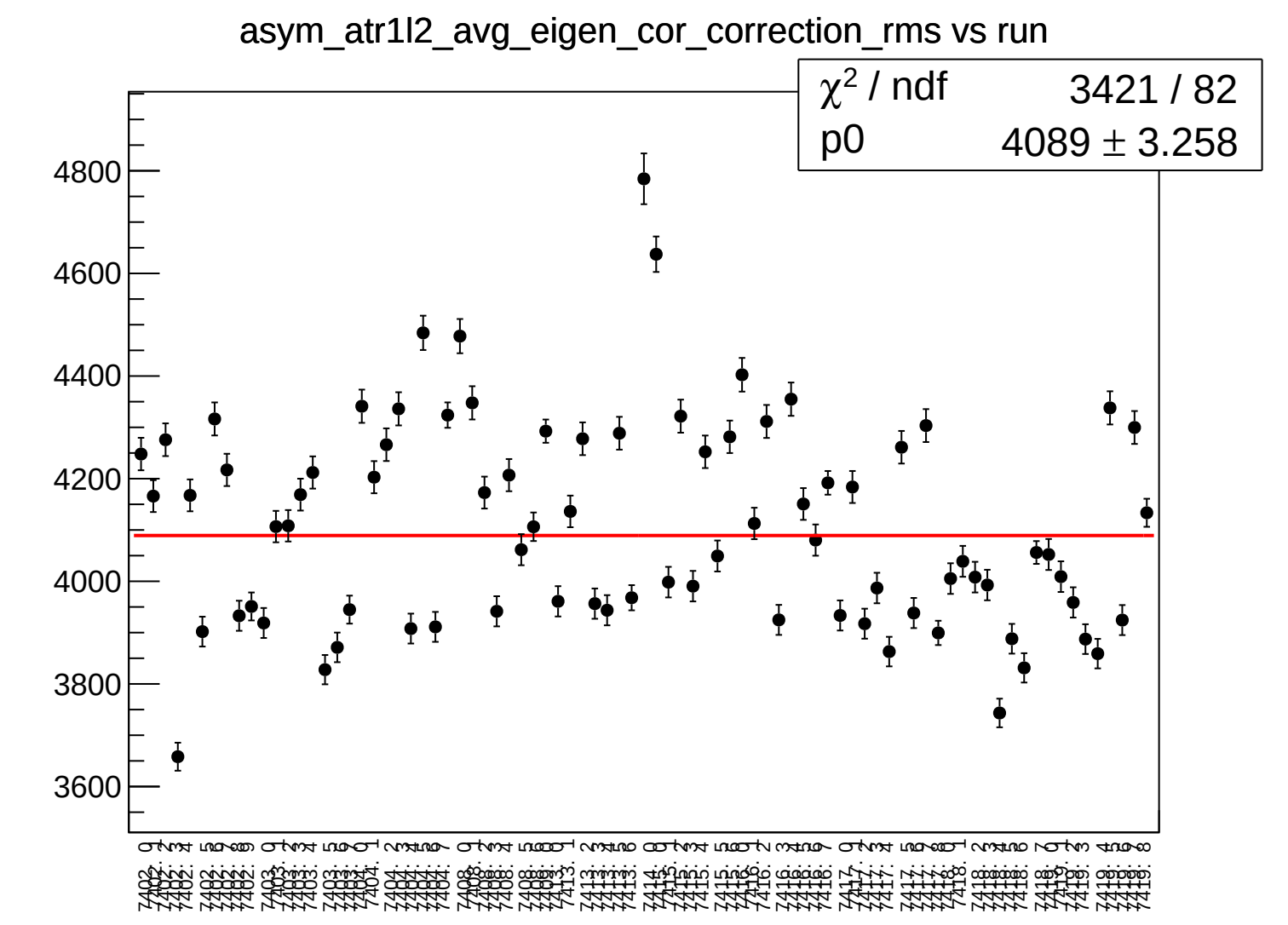

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 84.67 / 82
p0 4217 ± 1915
pull
Entries 83
Mean −23.56
Std Dev 60.43

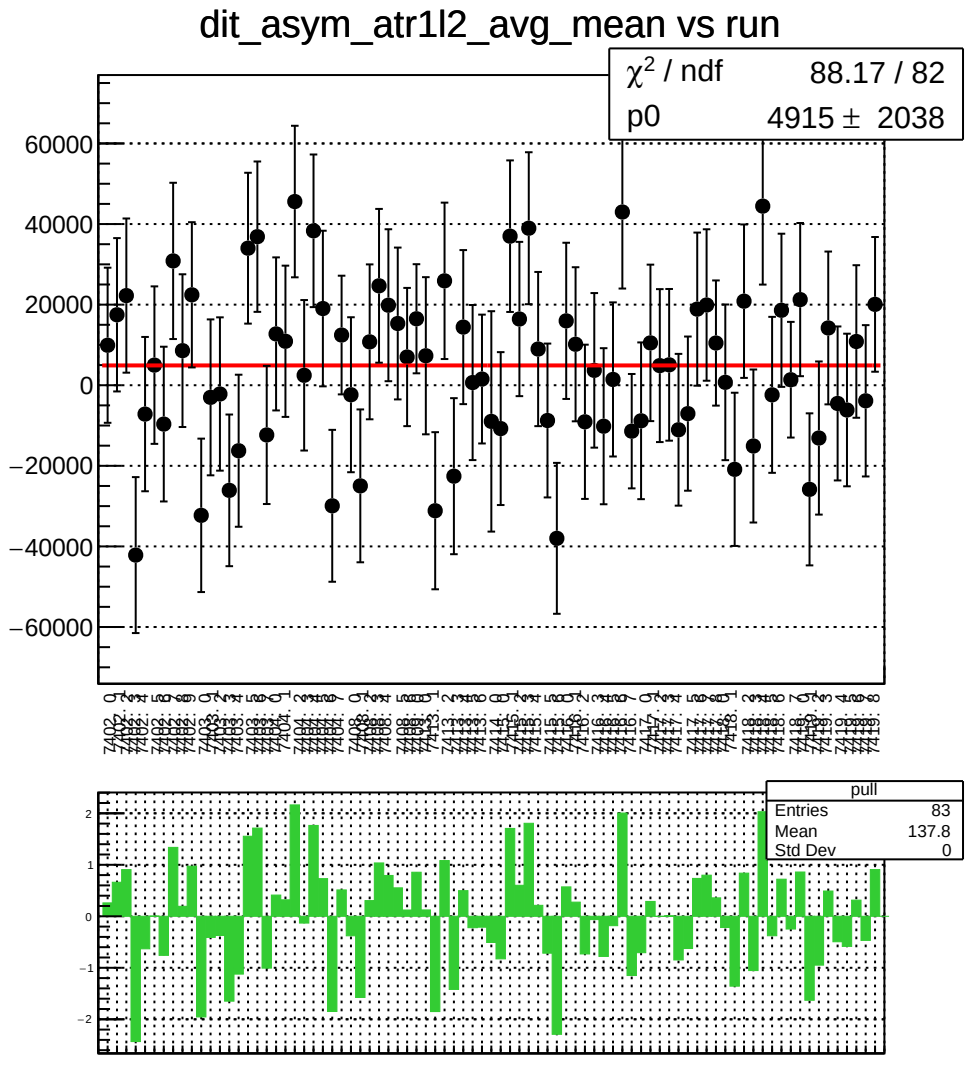

pull1D
Entries 83
Mean −0.003467
Std Dev 1.01

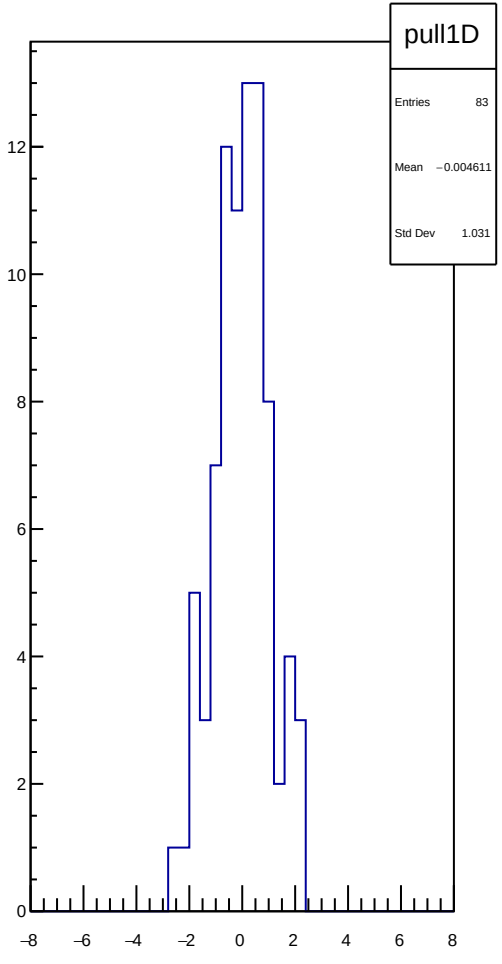

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 127.6 / 82
p0 1701 ± 1.354
1760
1740
1720
1700
1680
1660

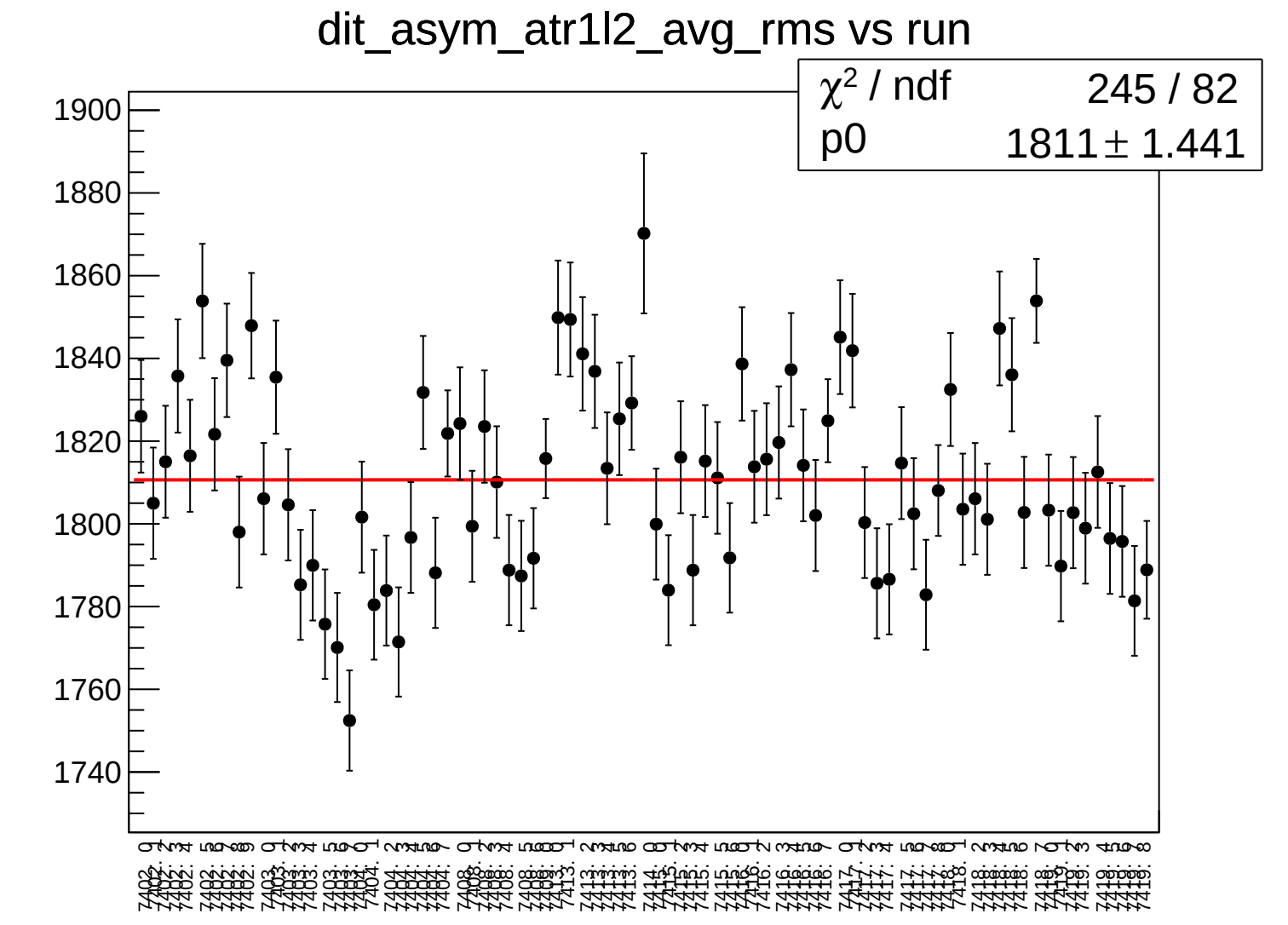

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 82.13 / 82
p0 629.5 ± 4608
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 6847
Std Dev 0
2
1
0
−1
−2
−3

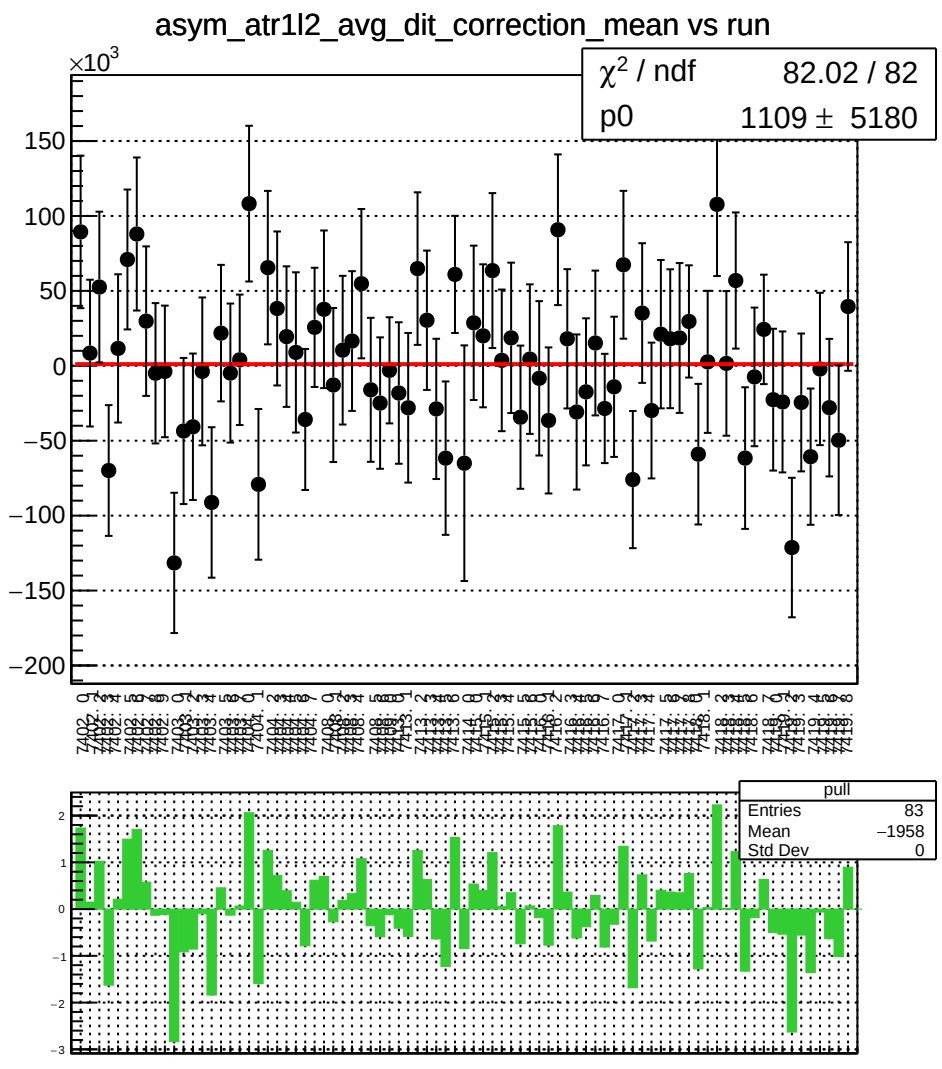

pull1D
Entries 83
Mean −0.0004381
Std Dev 0.9947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

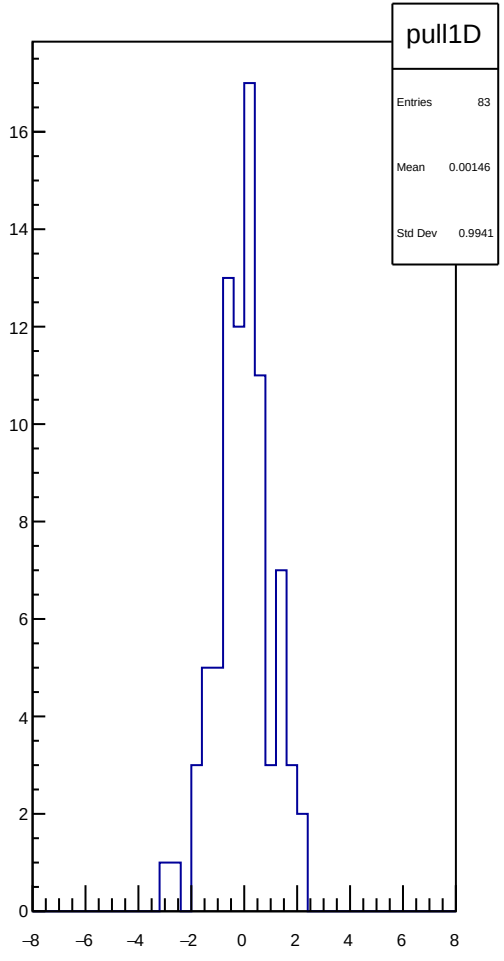

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3421 / 82
p0 4089 ± 3.258
4800
4600
4400
4200
4000
3800
3600

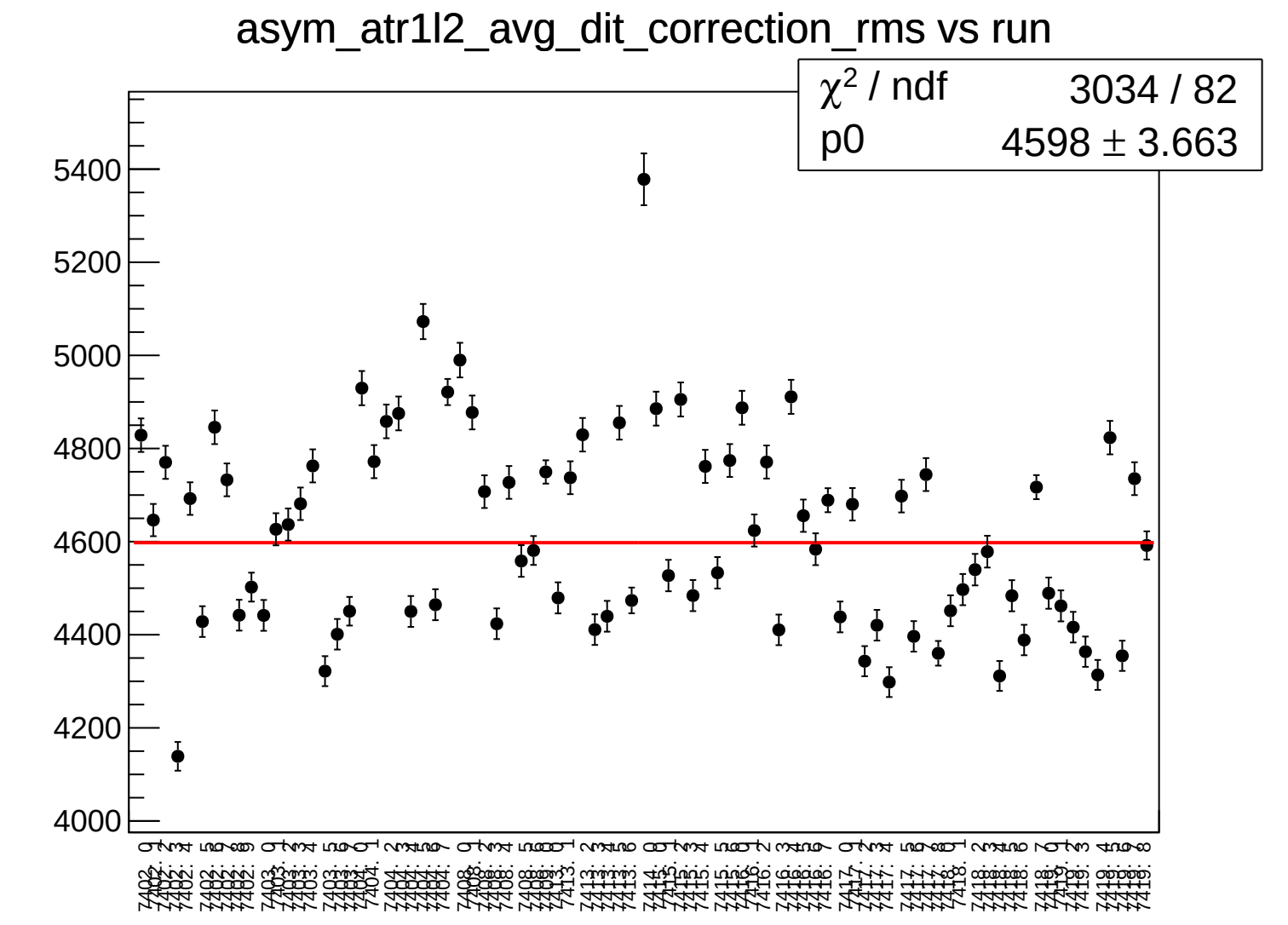

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 88.17 / 82
p0 4915 ± 2038
pull
Entries 83
Mean 137.8
Std Dev 0

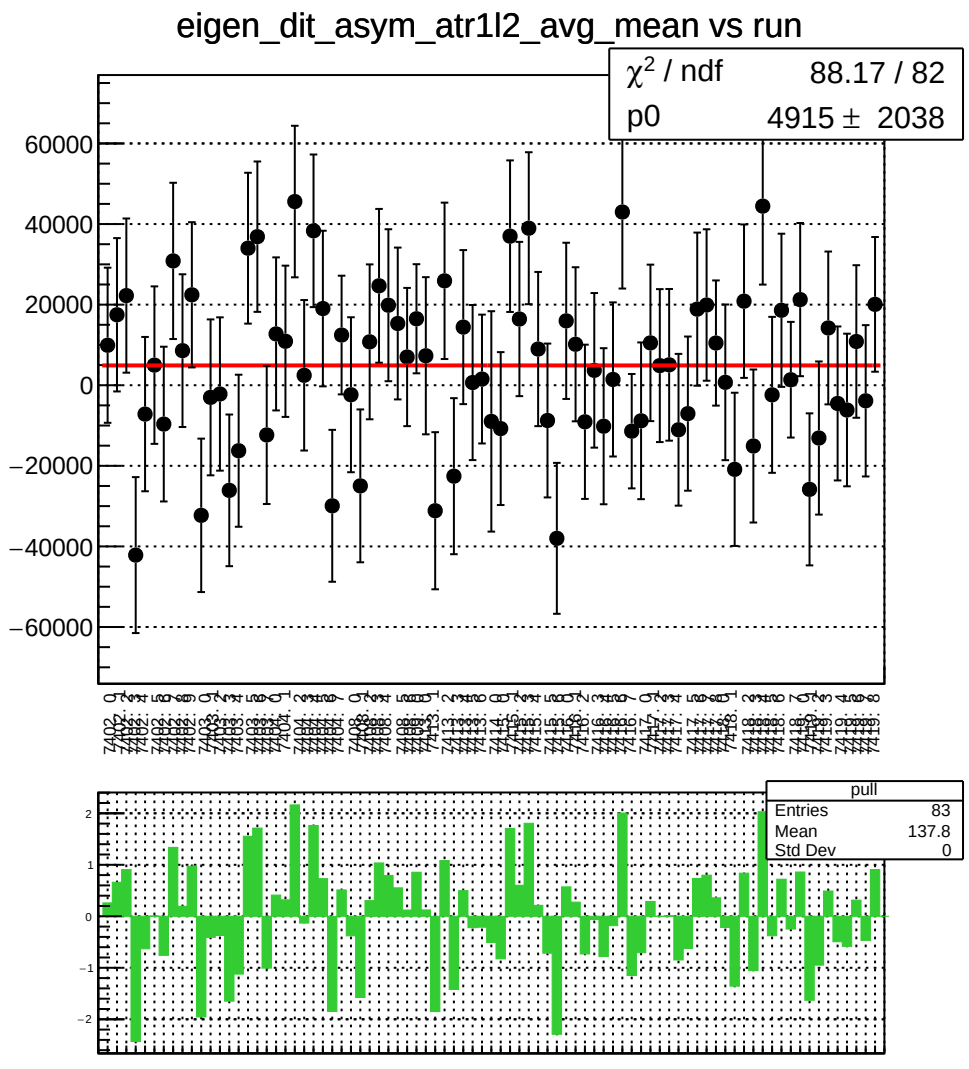

pull1D
Entries 83
Mean −0.004611
Std Dev 1.031

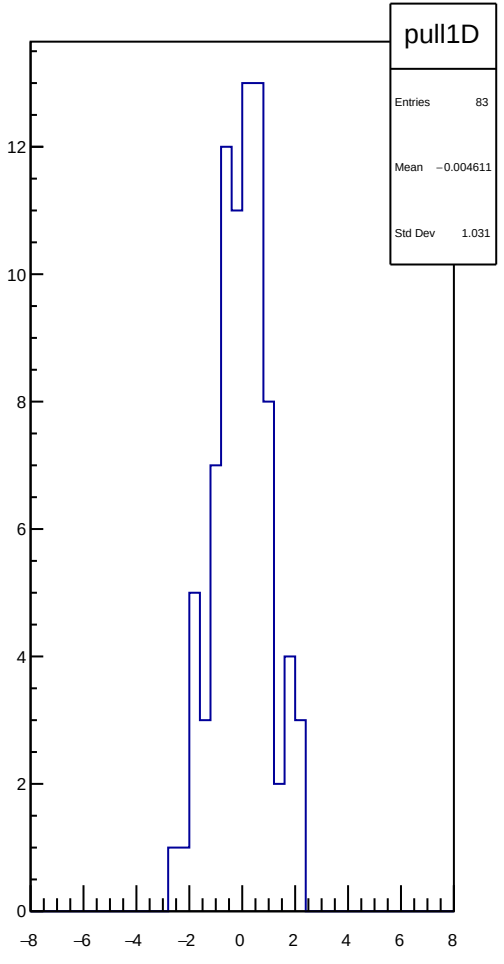

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 245 / 82
p0 1811 ± 1.441
1900
1880
1860
1840
1820
1800
1780
1760
1740

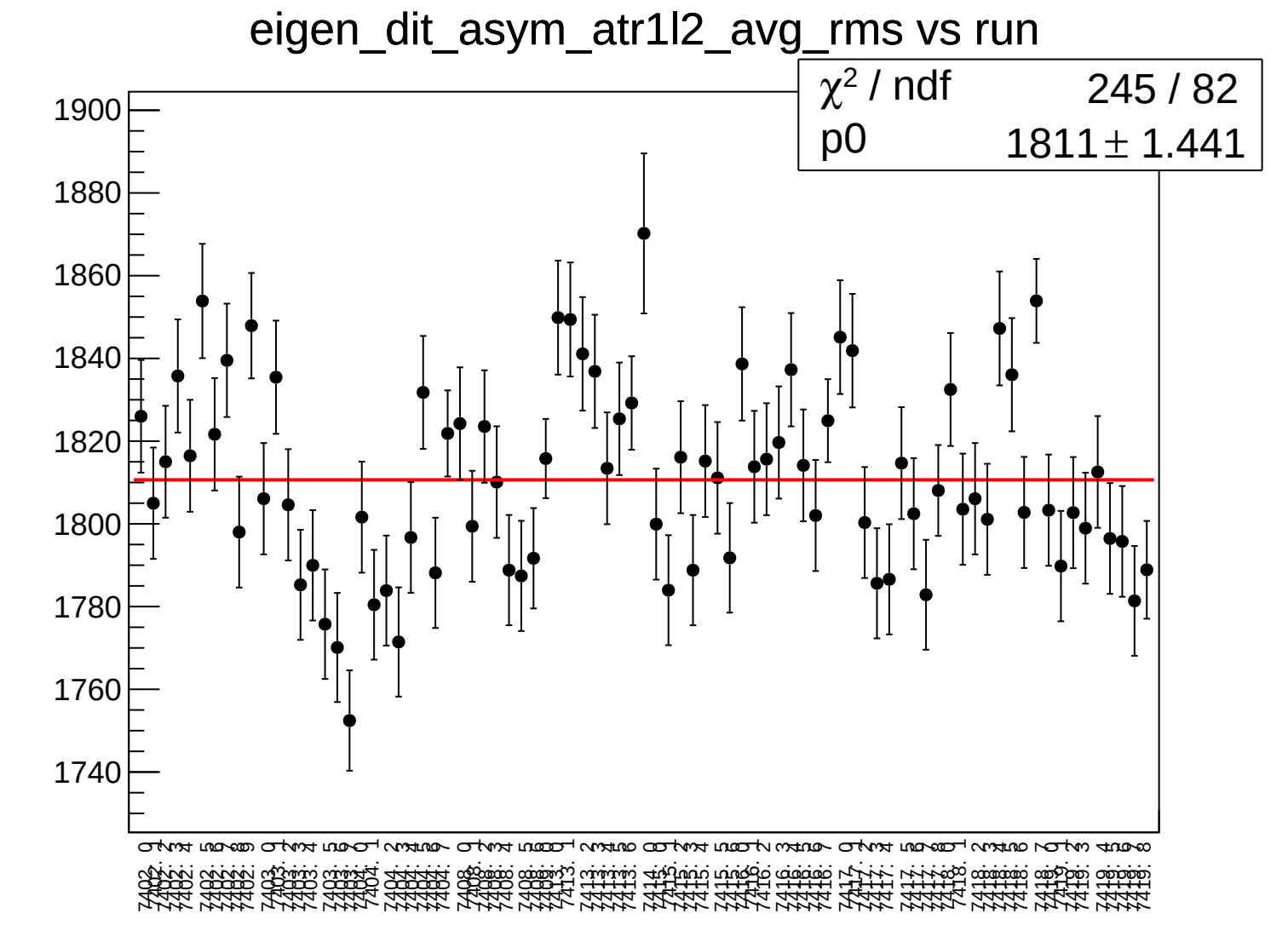

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 82.02 / 82
p0 1109 ± 5180
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −1958
Std Dev 0
2
1
0
−1
−2
−3

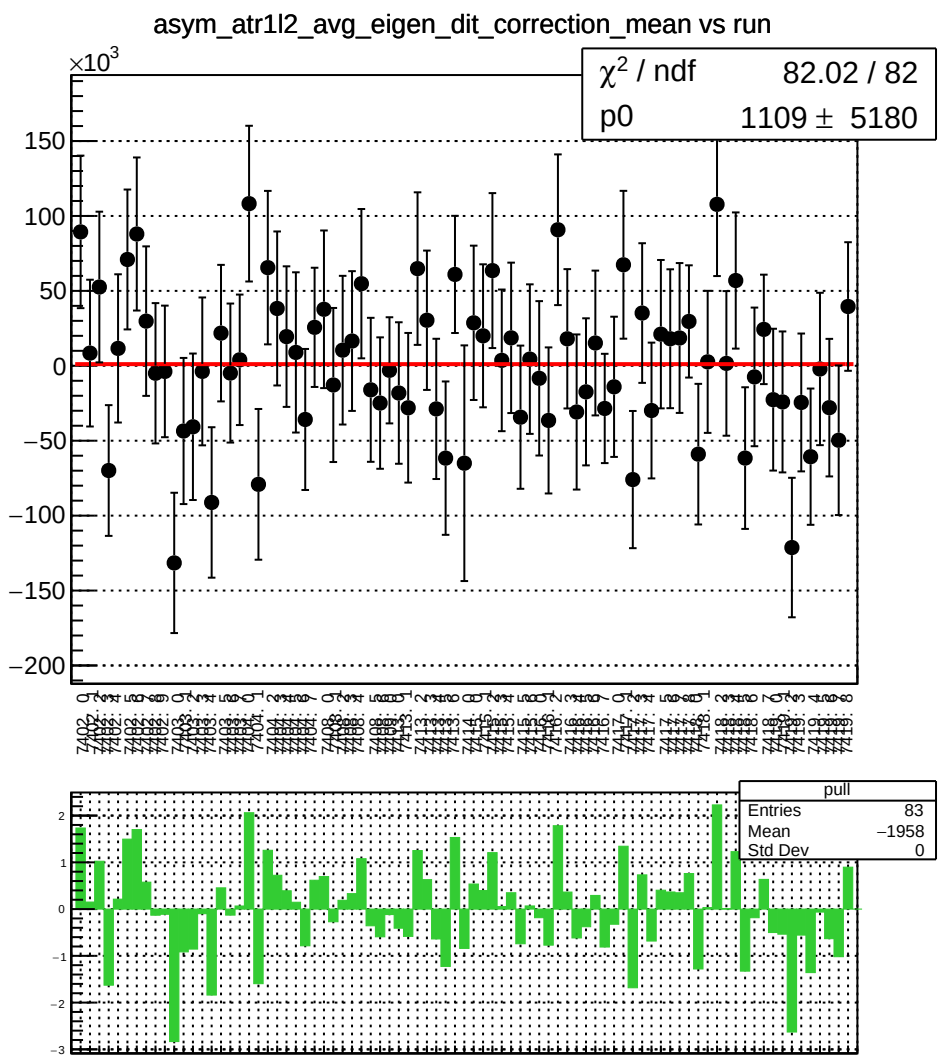

pull1D
Entries 83
Mean 0.00146
Std Dev 0.9941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

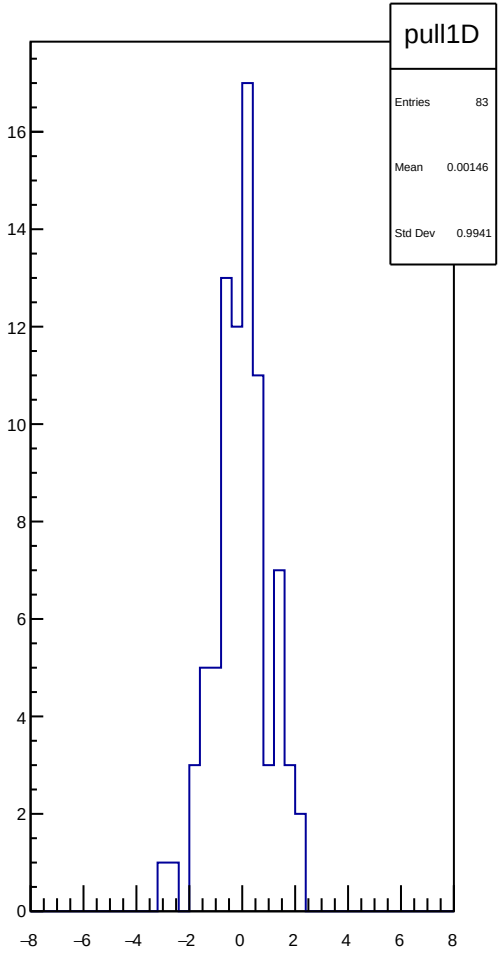

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 3034 / 82
p0 4598 ± 3.663
5400
5200
5000
4800
4600
4400
4200
4000

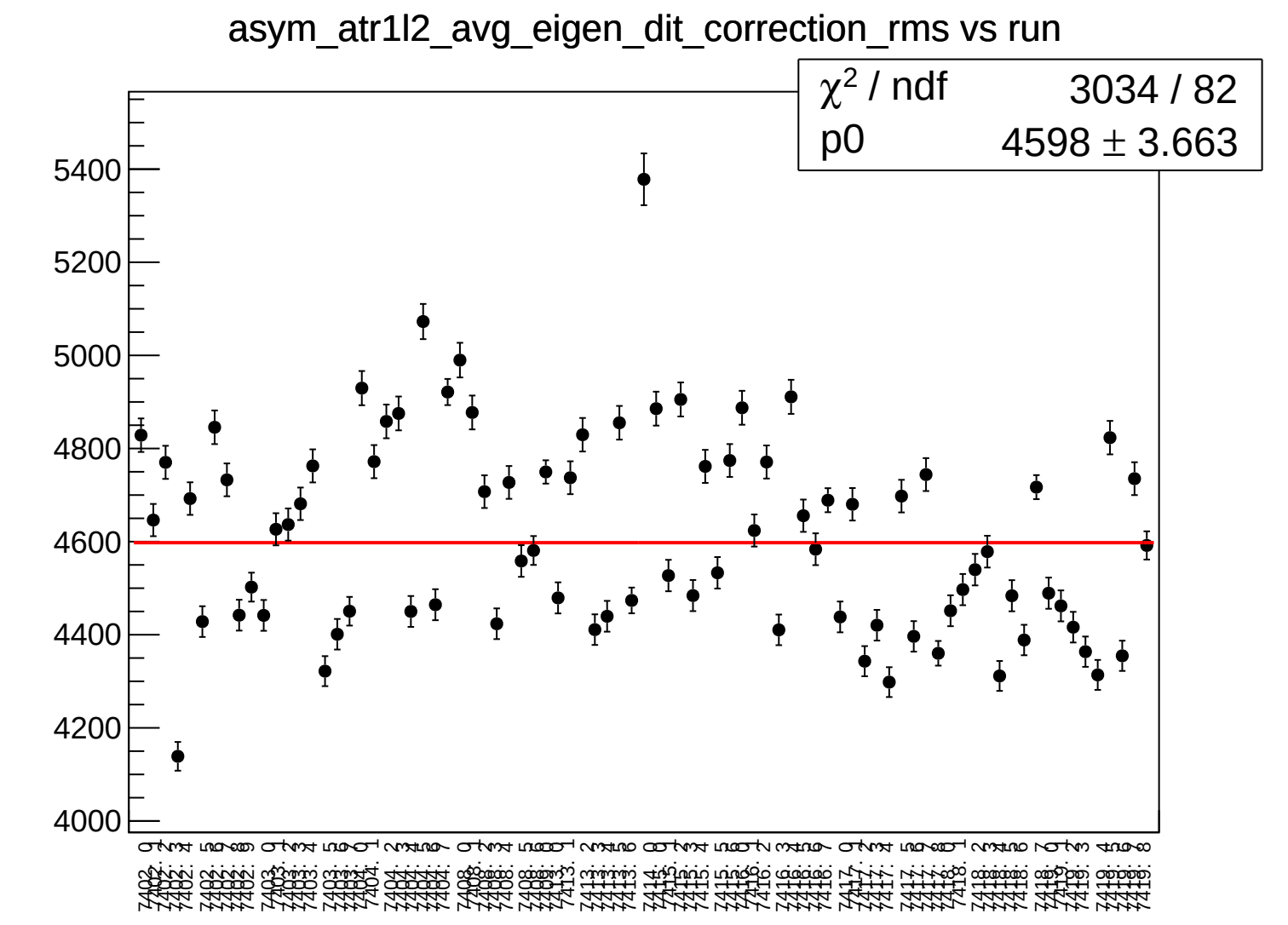

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 88.17 / 82
p0 4915 ± 2038
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 137.8
Std Dev 0
2
1
0
−1
−2

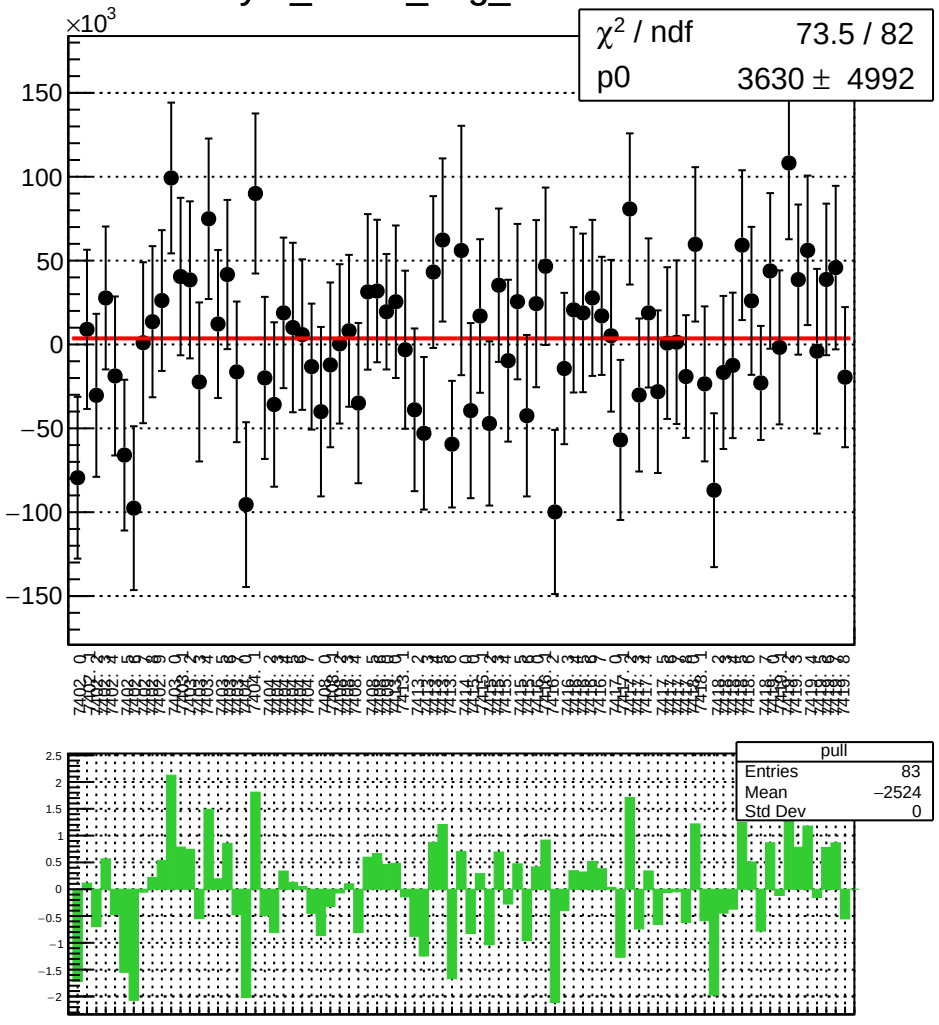

pull1D
Entries 83
Mean −0.004611
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

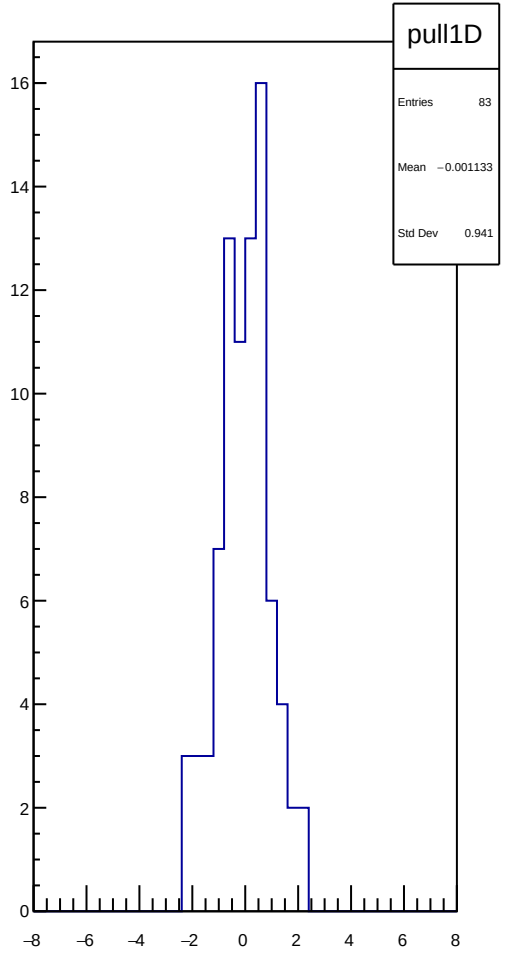

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 245 / 82
p0 1811 ± 1.441
1900
1880
1860
1840
1820
1800
1780
1760
1740

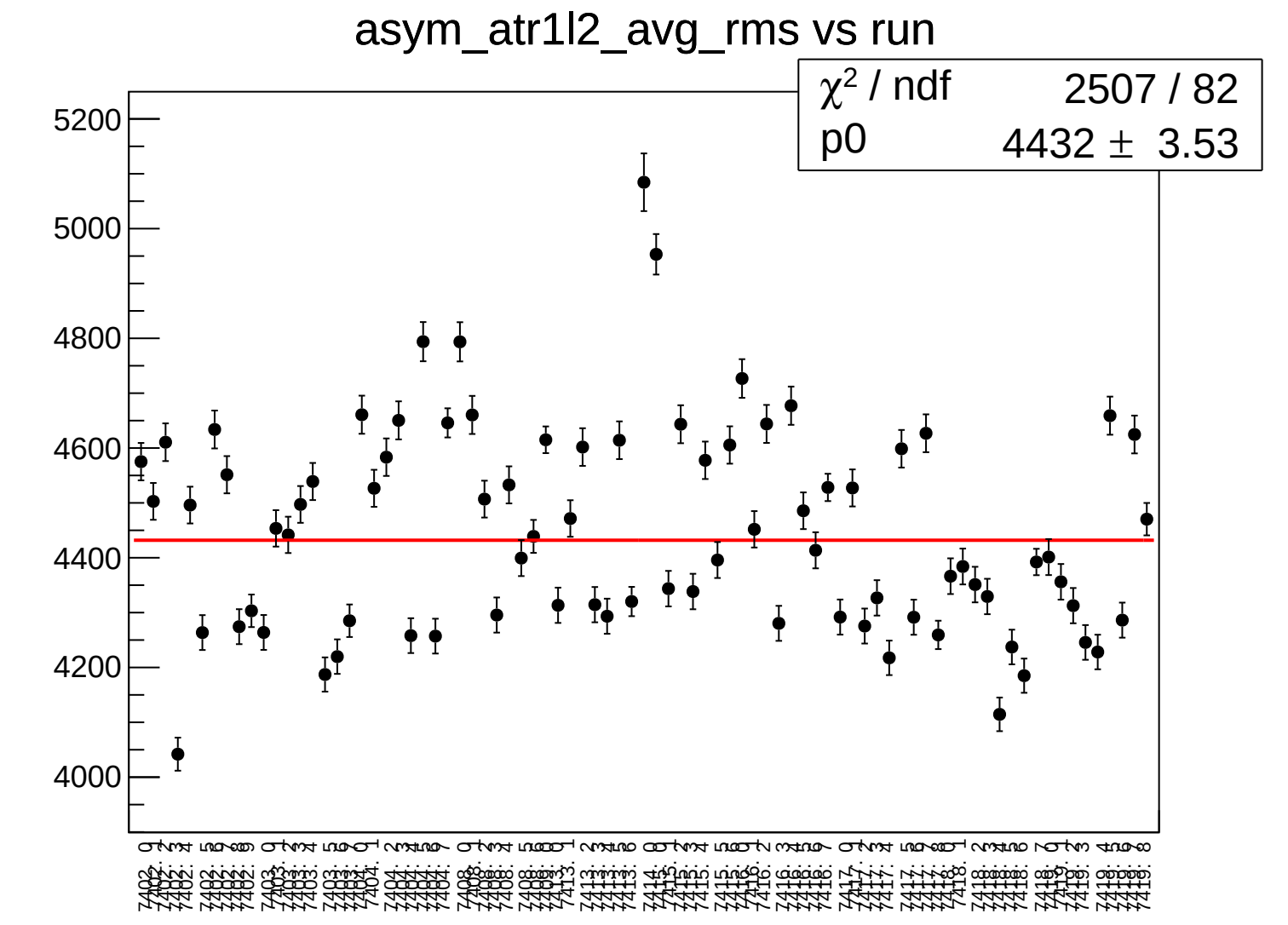

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.02 / 82
p0 1109 ± 5180
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −1958
Std Dev 0
2
1
0
−1
−2
−3

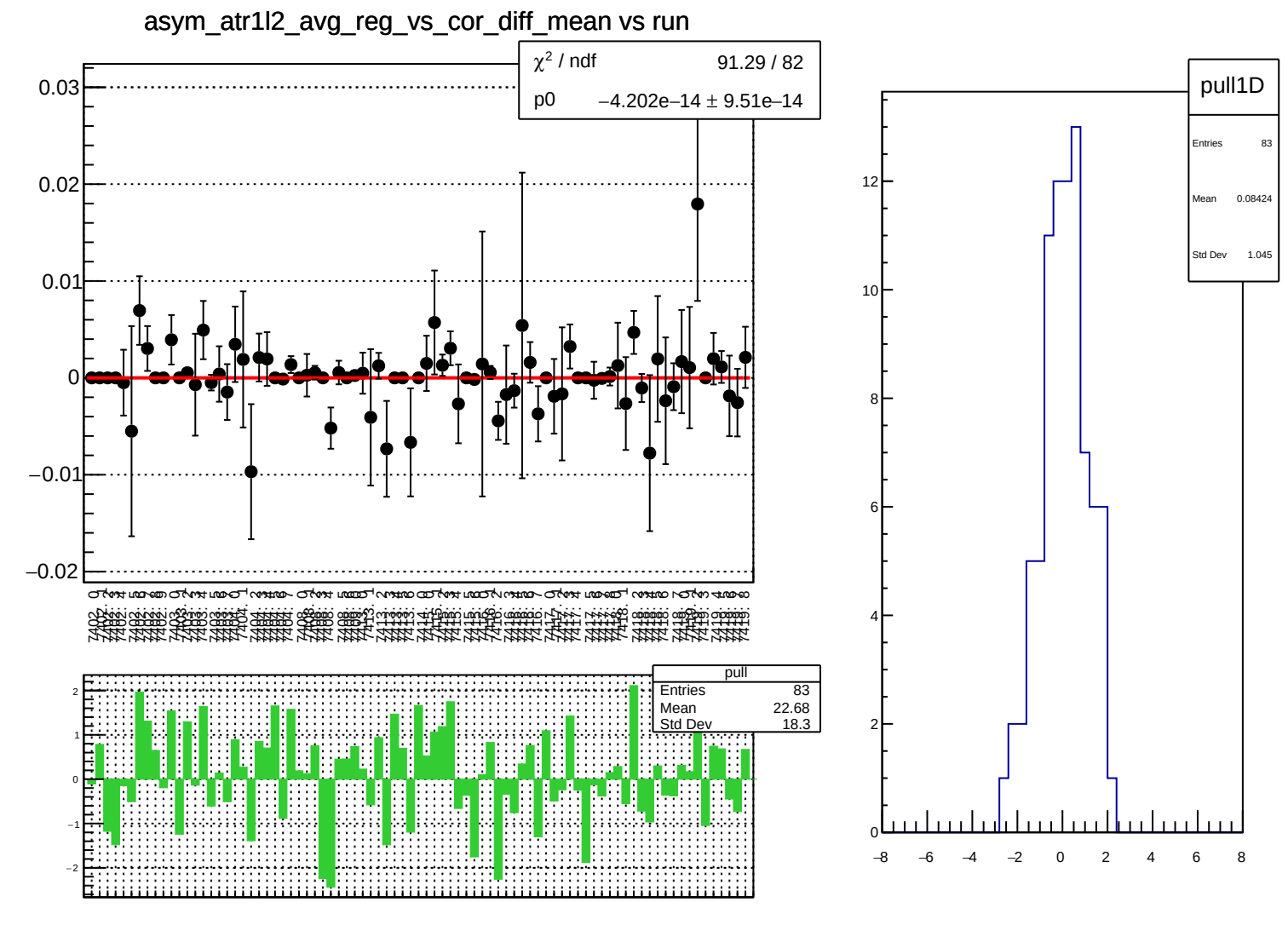

pull1D
Entries 83
Mean 0.00146
Std Dev 0.9941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

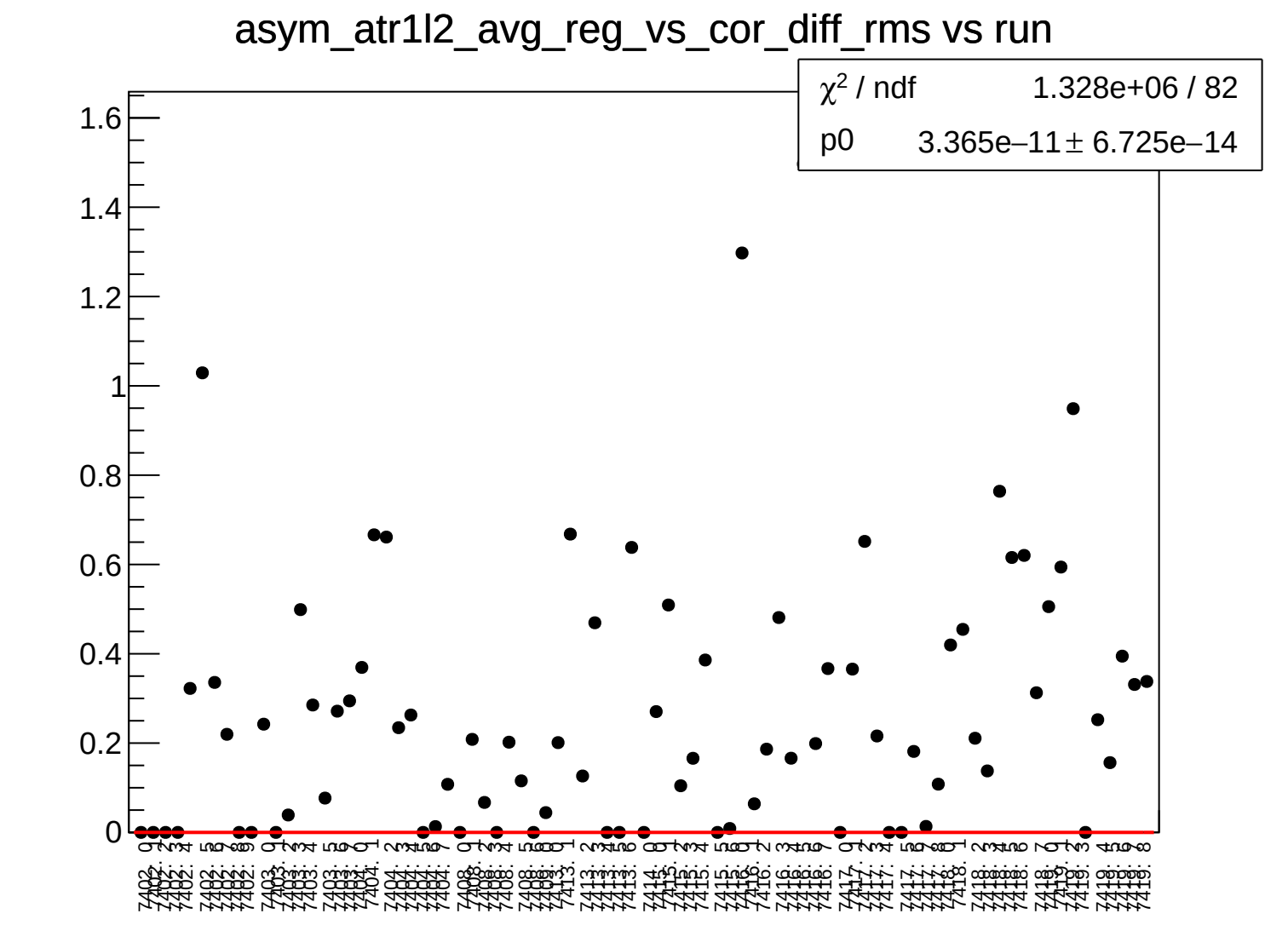

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3034 / 82
p0 4598 ± 3.663
5400
5200
5000
4800
4600
4400
4200
4000

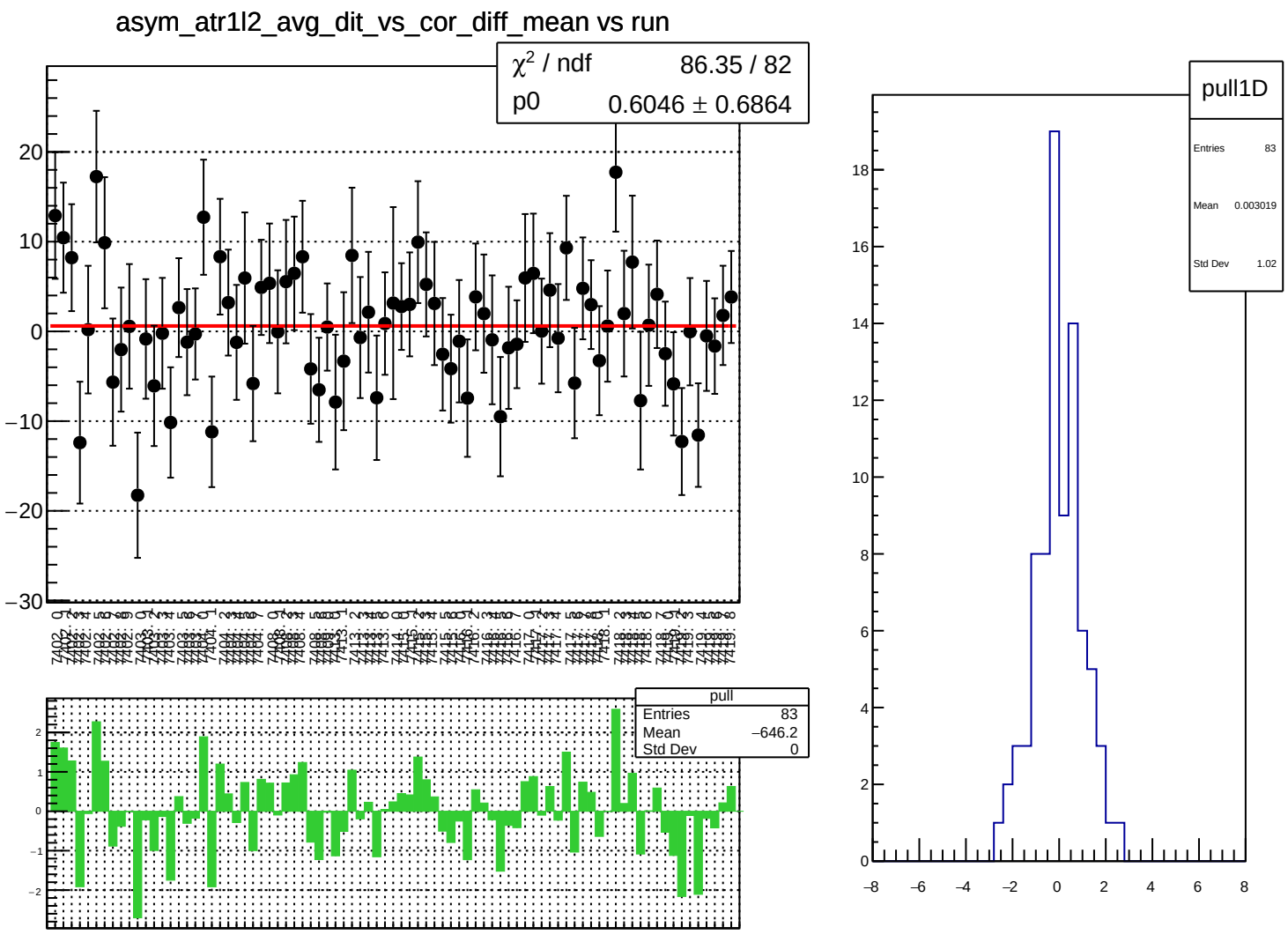

asym_atr1l2_avg_mean vs run
χ² / ndf 73.5 / 82
p0 3630 ± 4992
×10³
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −2524
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

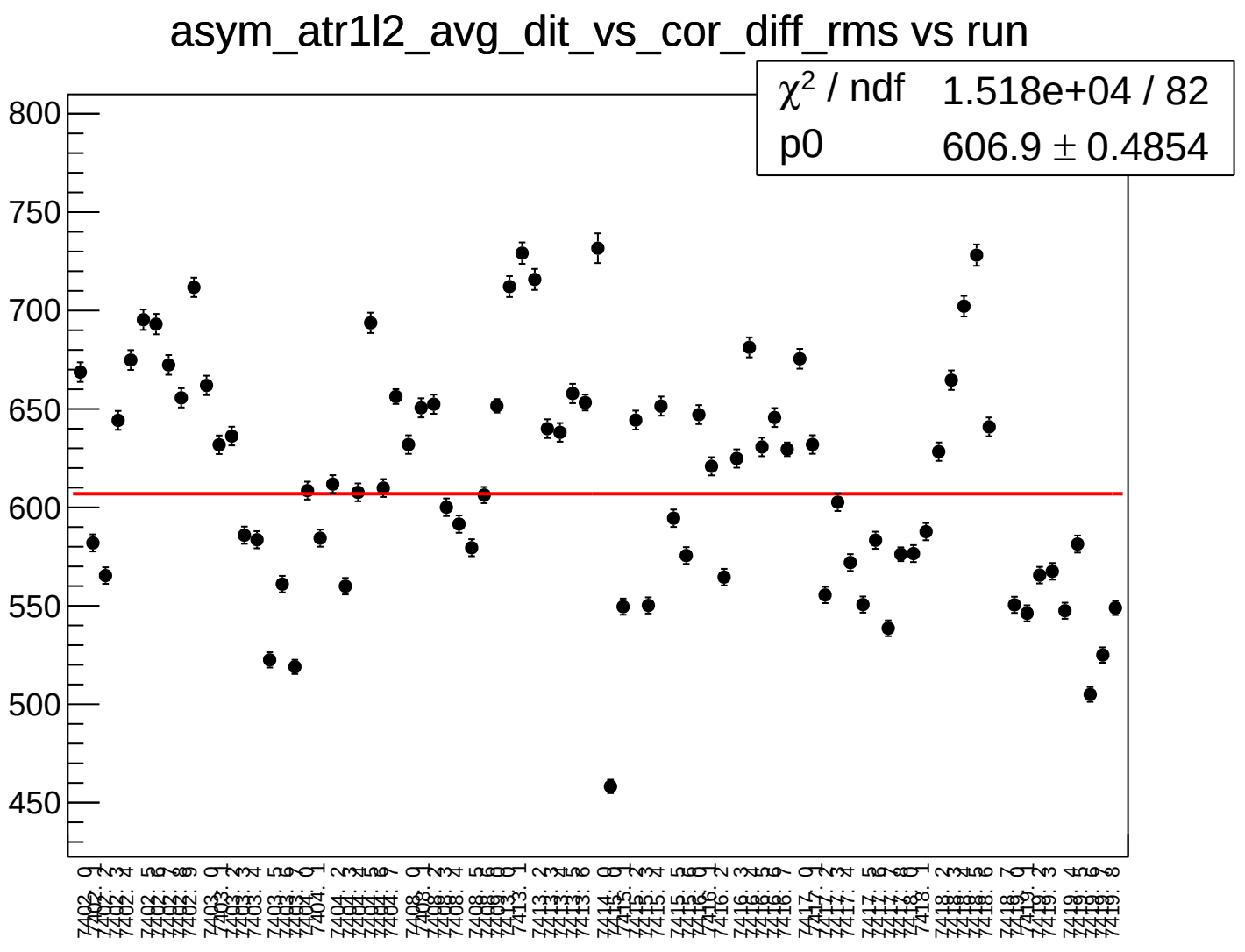

pull1D
Entries 83
Mean −0.001133
Std Dev 0.941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

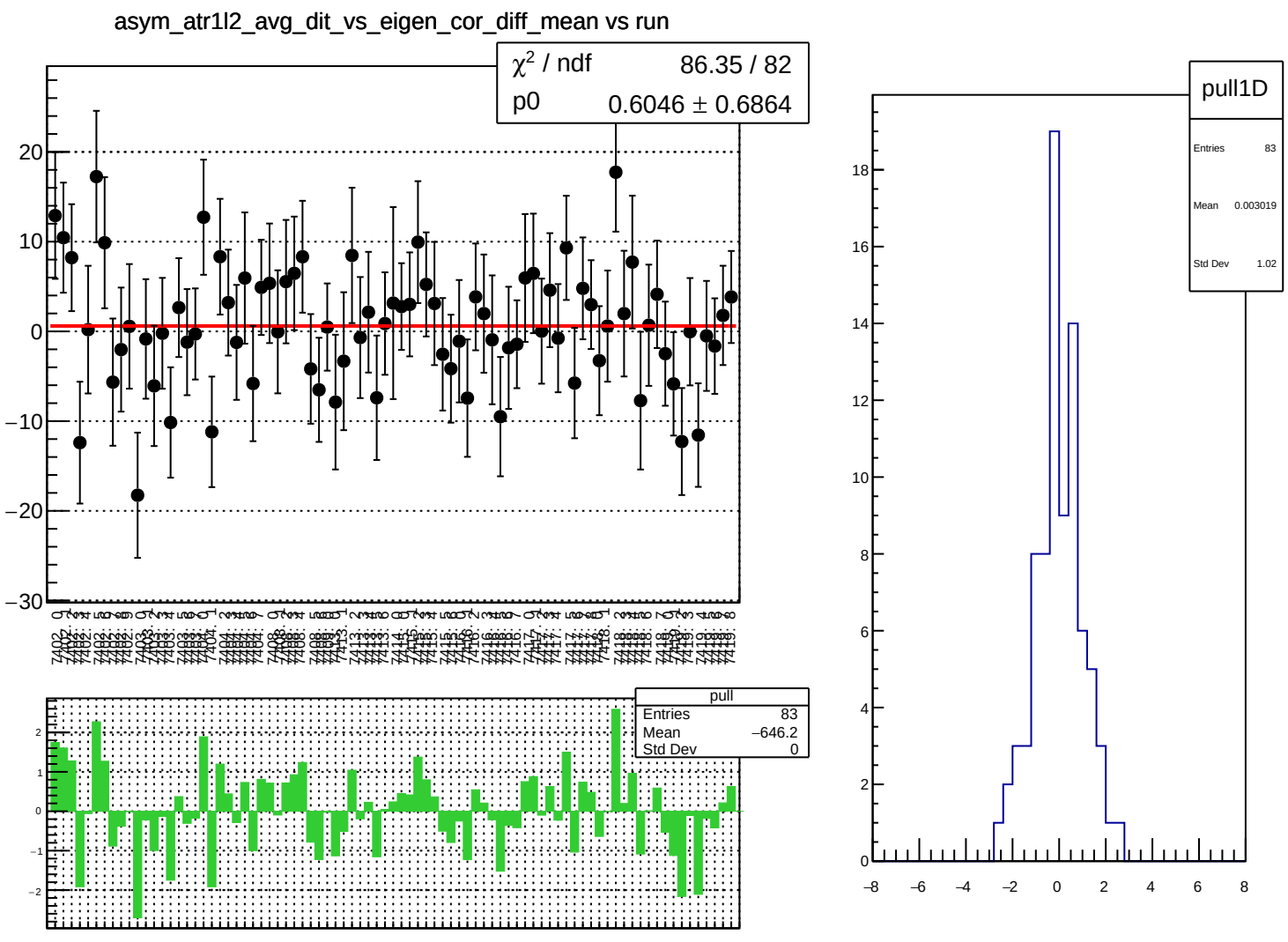

asym_atr1l2_avg_rms vs run
χ² / ndf 2507 / 82
p0 4432 ± 3.53
5200
5000
4800
4600
4400
4200
4000

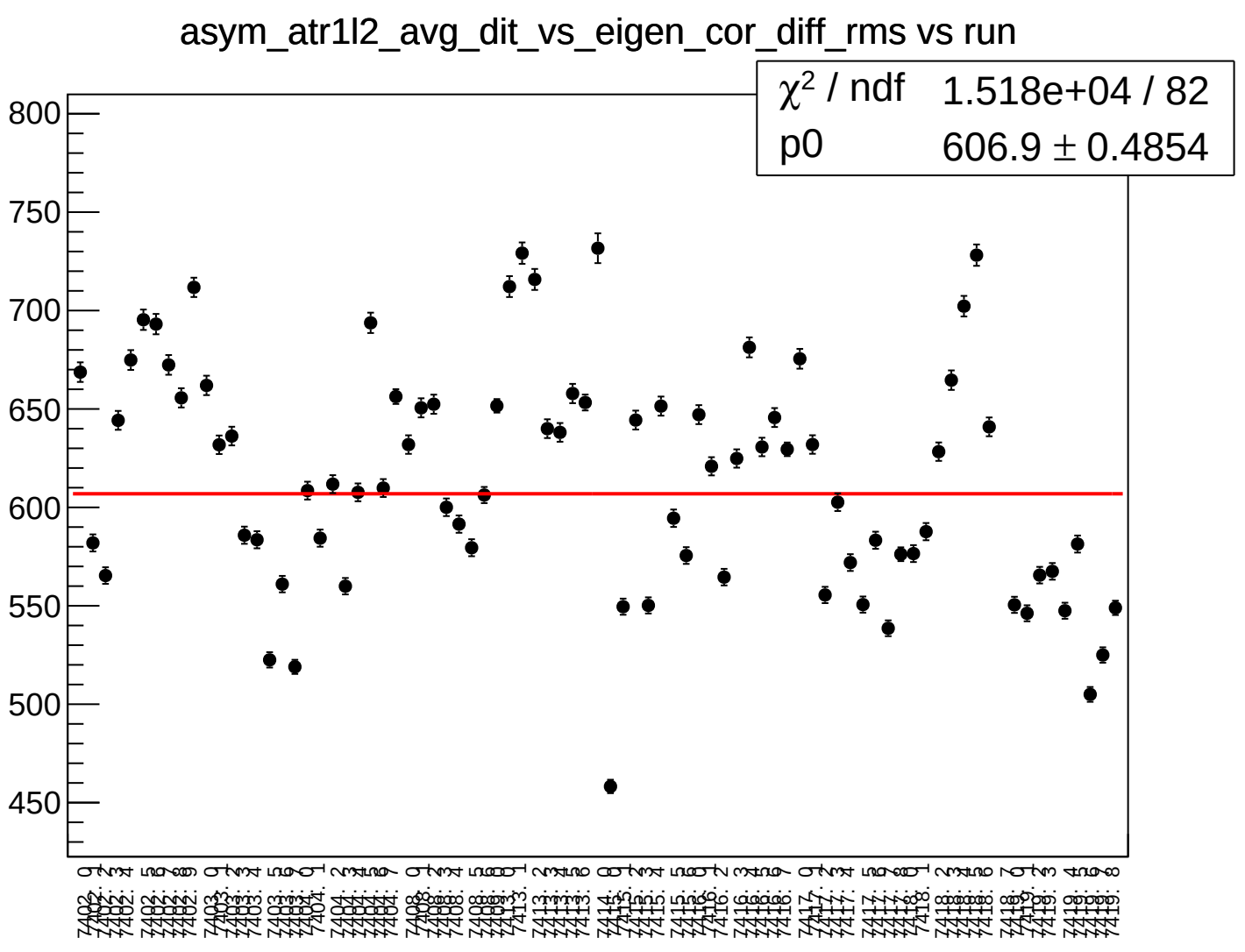

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.29 / 82
p0 −4.202e−14 ± 9.51e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 22.68
Std Dev 18.3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.08424
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

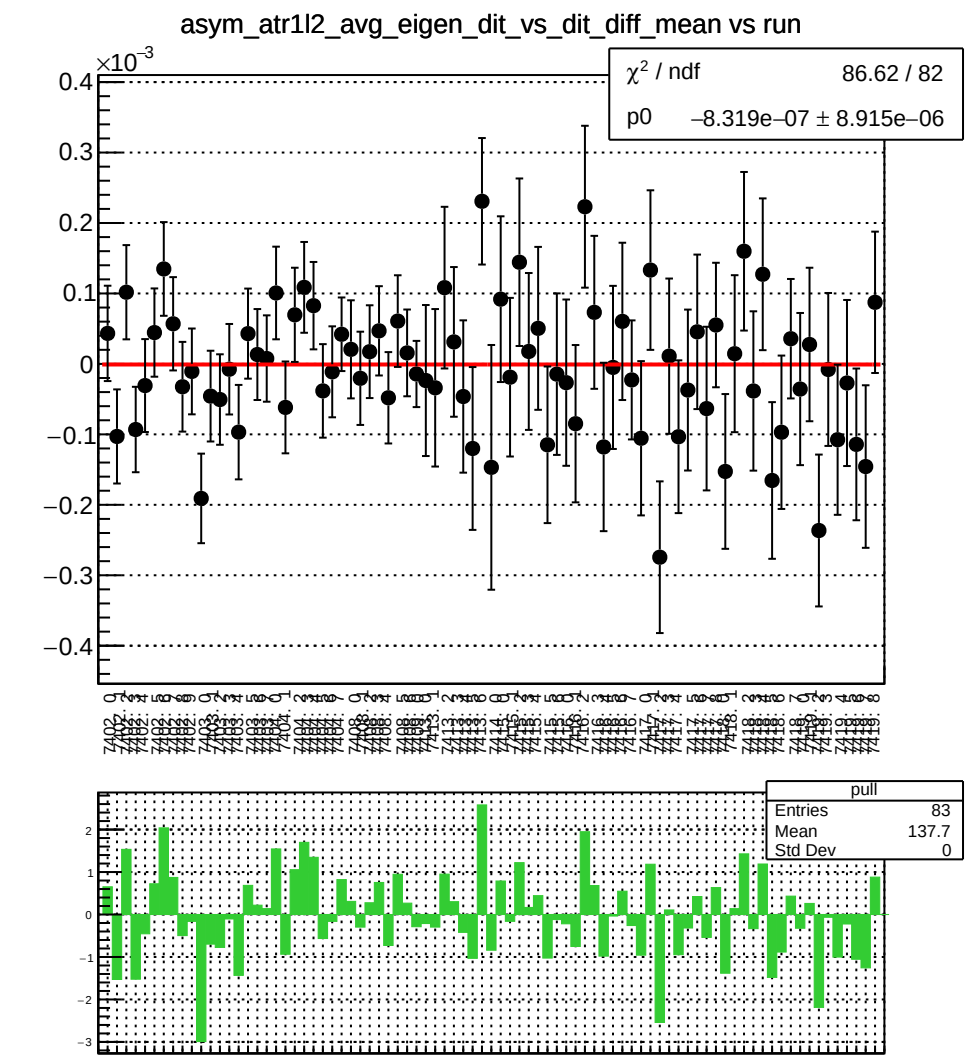

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.328e+06 / 82
p0 3.365e−11 ± 6.725e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

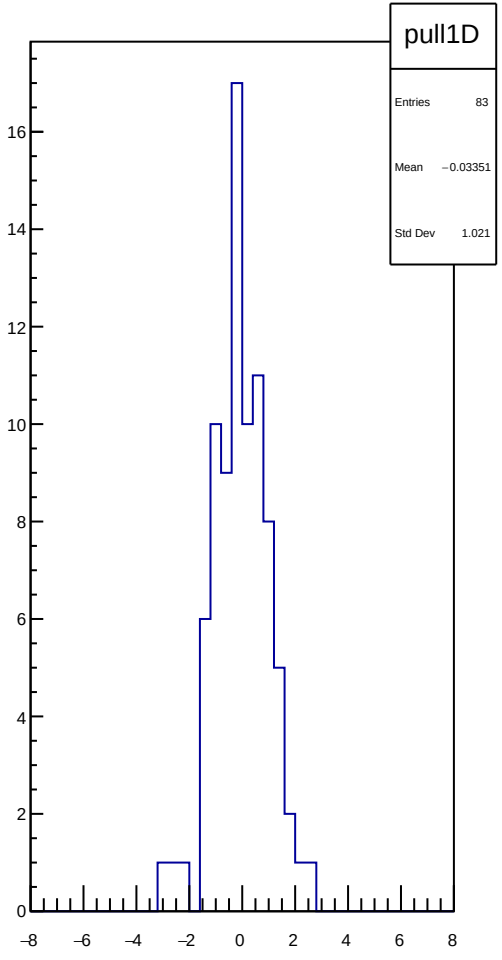

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 86.35 / 82
p0 0.6046 ± 0.6864
pull
Entries 83
Mean −646.2
Std Dev 0
pull1D
Entries 83
Mean 0.003019
Std Dev 1.02

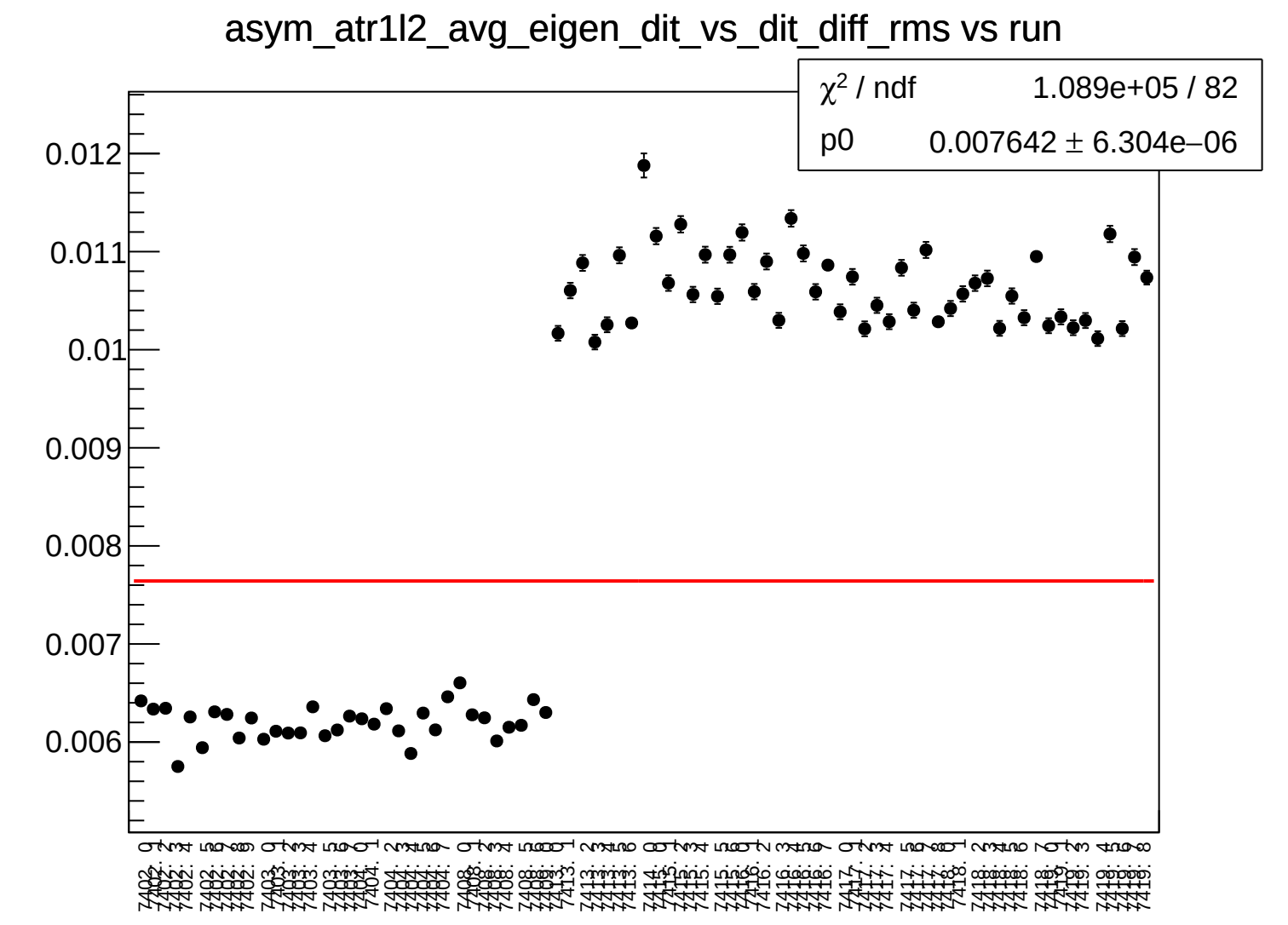

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.518e+04 / 82
p0 606.9 ± 0.4854
800
750
700
650
600
550
500
450

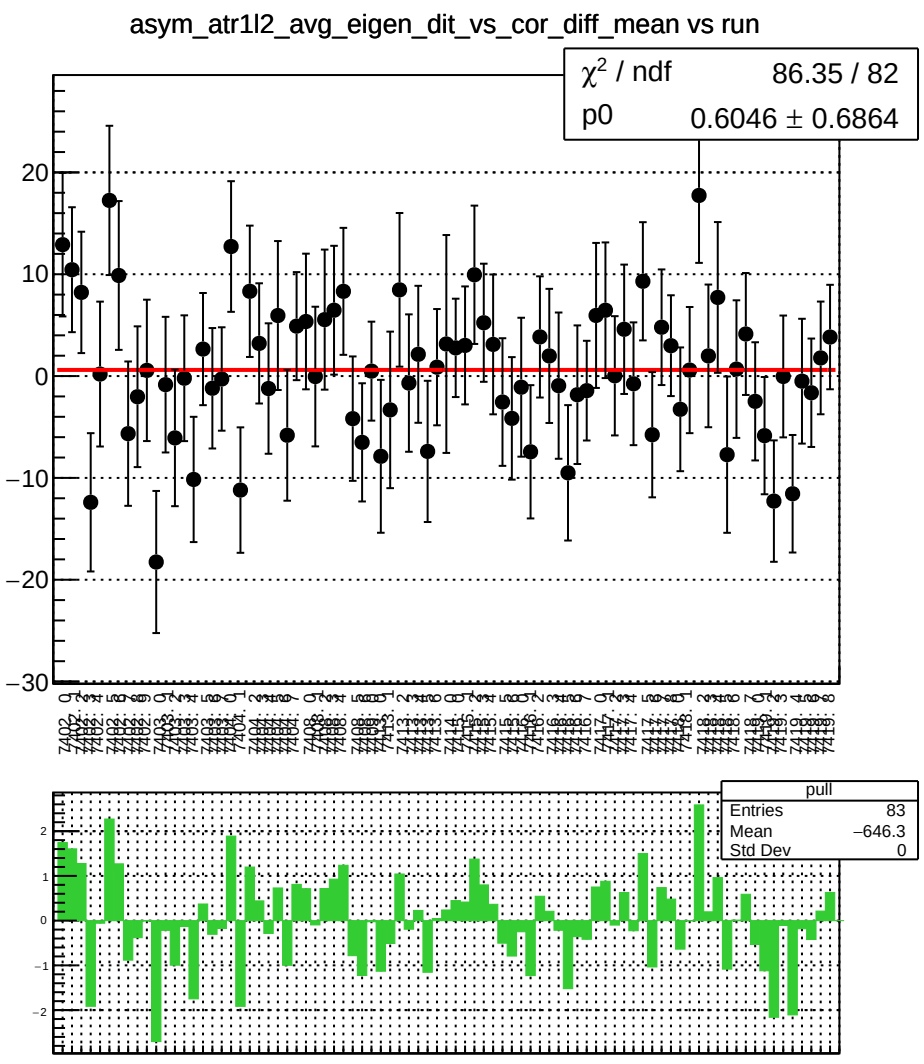

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.35 / 82
p0 0.6046 ± 0.6864
pull
Entries 83
Mean −646.2
Std Dev 0
pull1D
Entries 83
Mean 0.003019
Std Dev 1.02

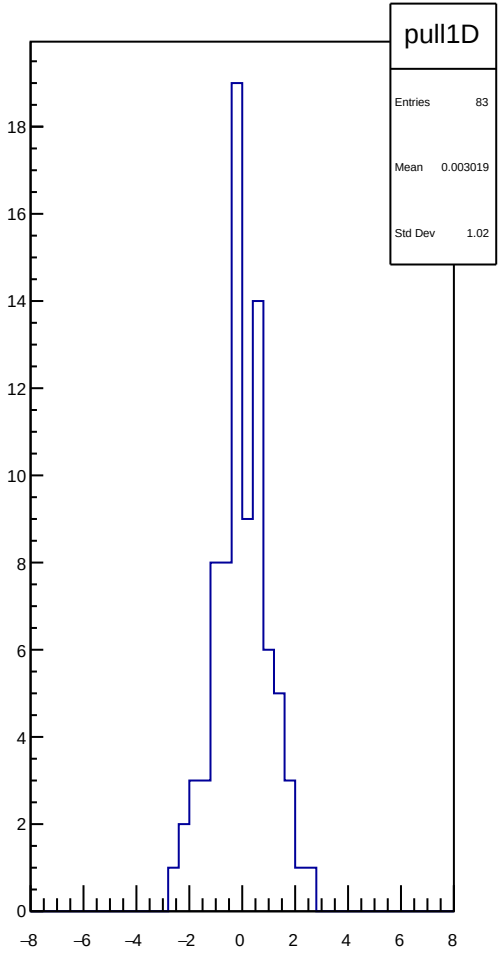

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.518e+04 / 82
p0 606.9 ± 0.4854
800
750
700
650
600
550
500
450

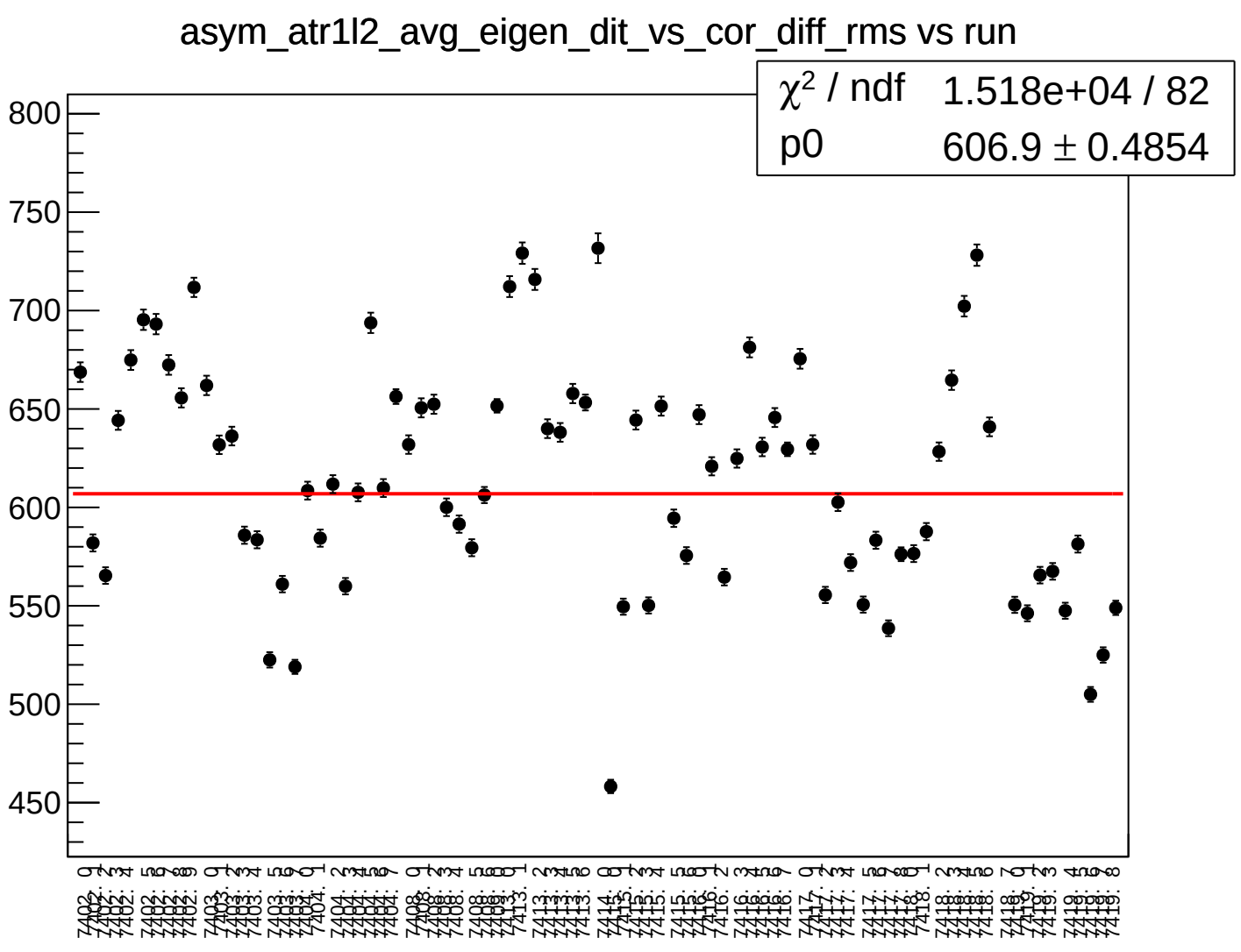

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.62 / 82
p0 −8.319e−07 ± 8.915e−06
pull
Entries 83
Mean 137.7
Std Dev 0

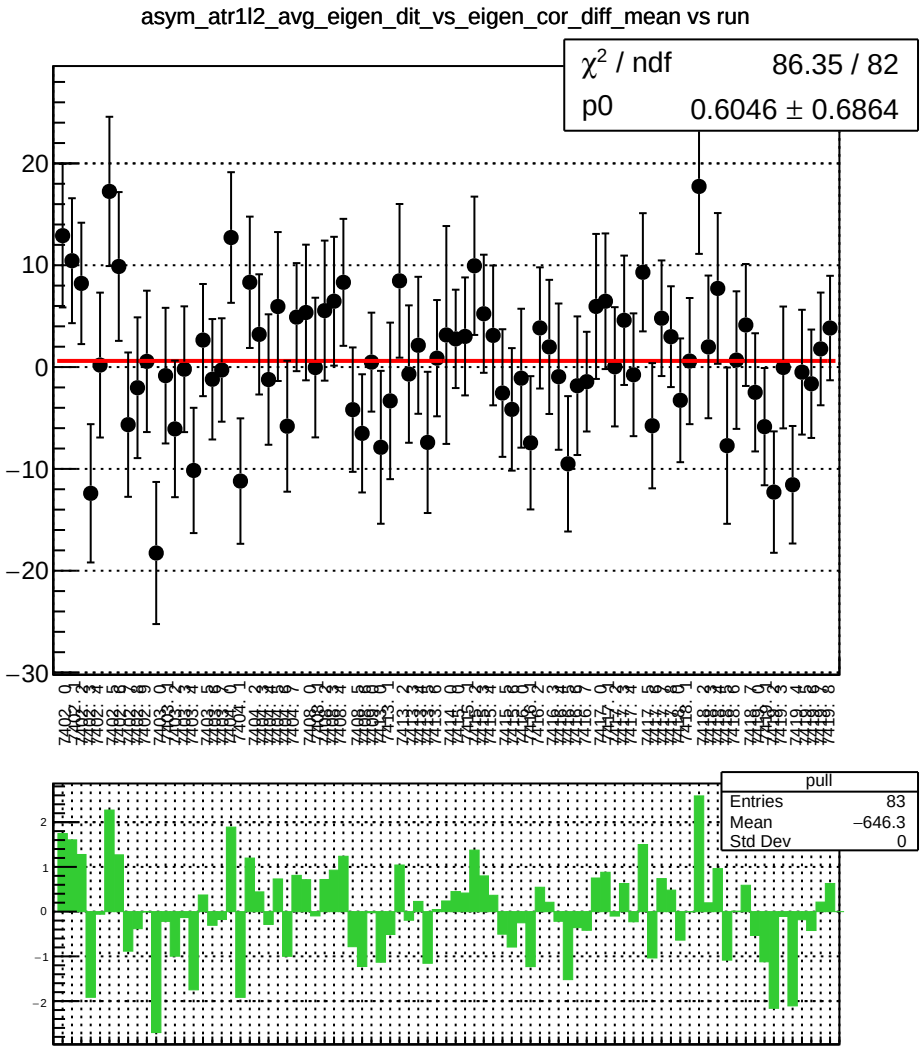

pull1D
Entries 83
Mean −0.03351
Std Dev 1.021

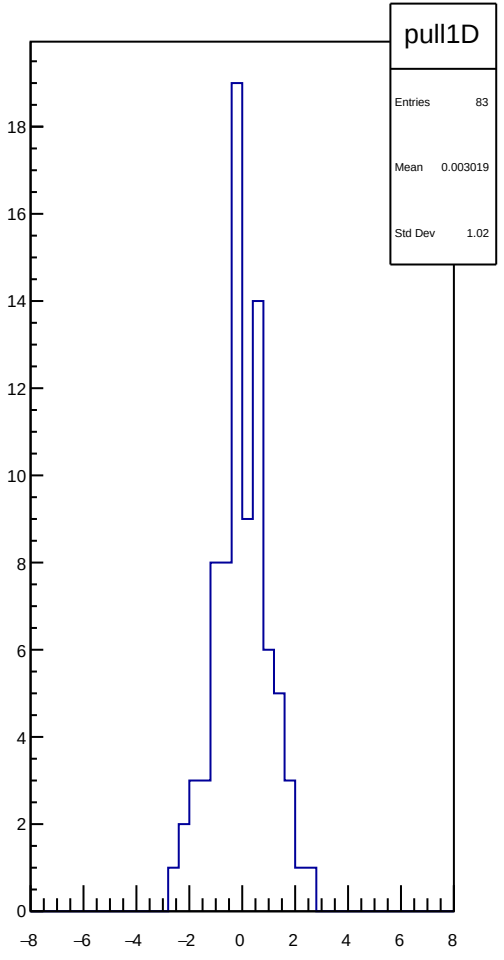

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.089e+05 / 82
p0 0.007642 ± 6.304e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006

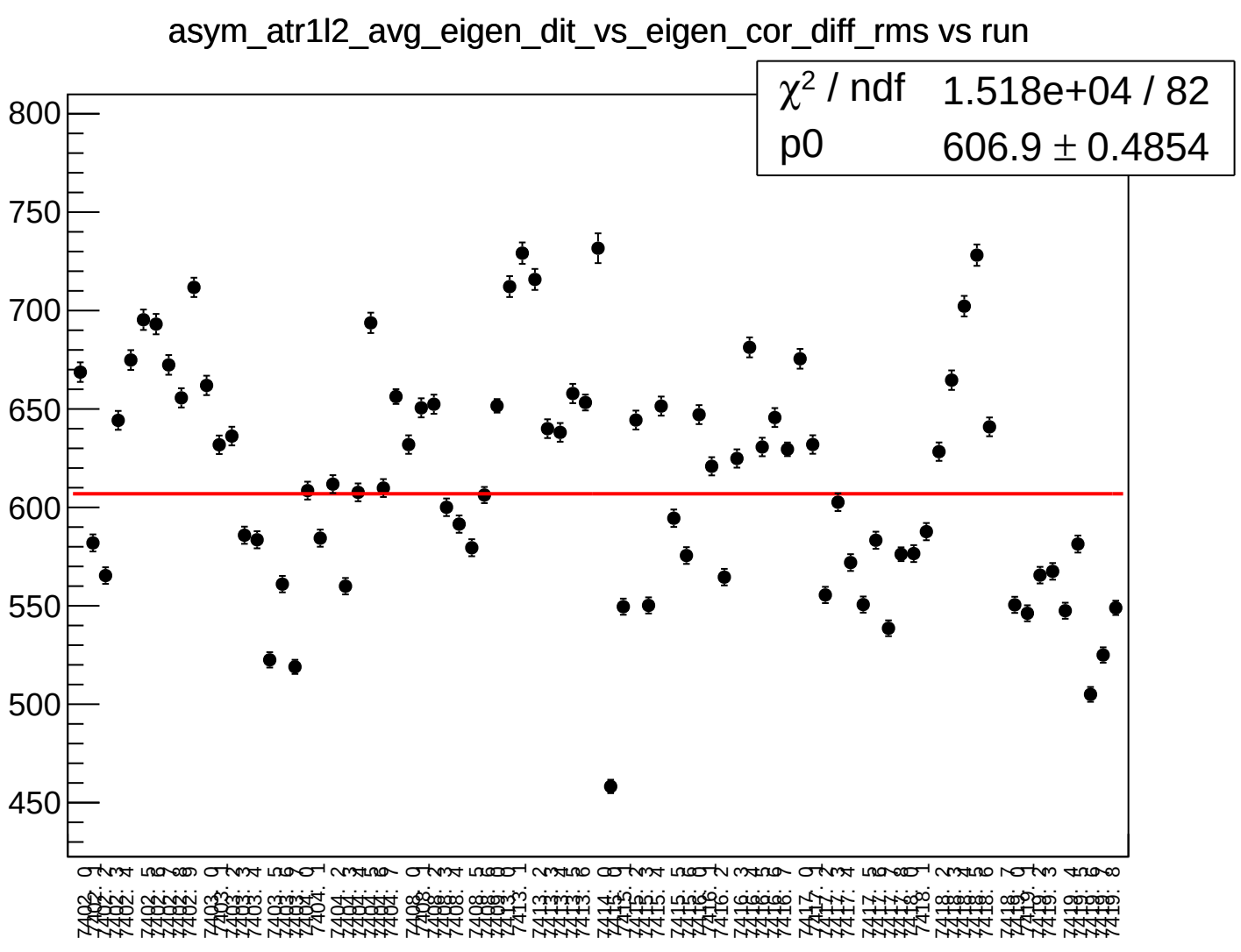

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.35 / 82
p0 0.6046 ± 0.6864
pull
Entries 83
Mean −646.3
Std Dev 0

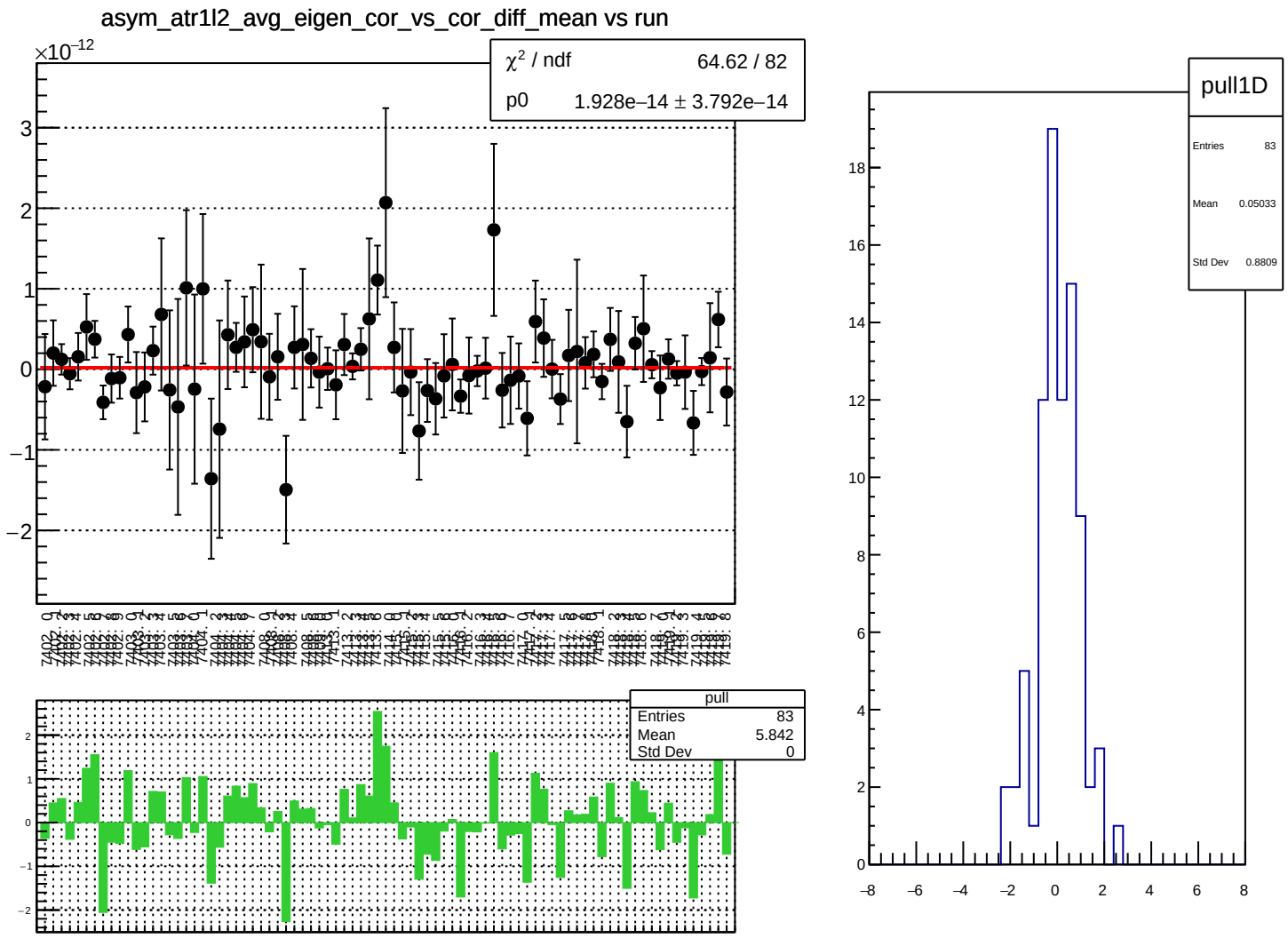

pull1D
Entries 83
Mean 0.003019
Std Dev 1.02

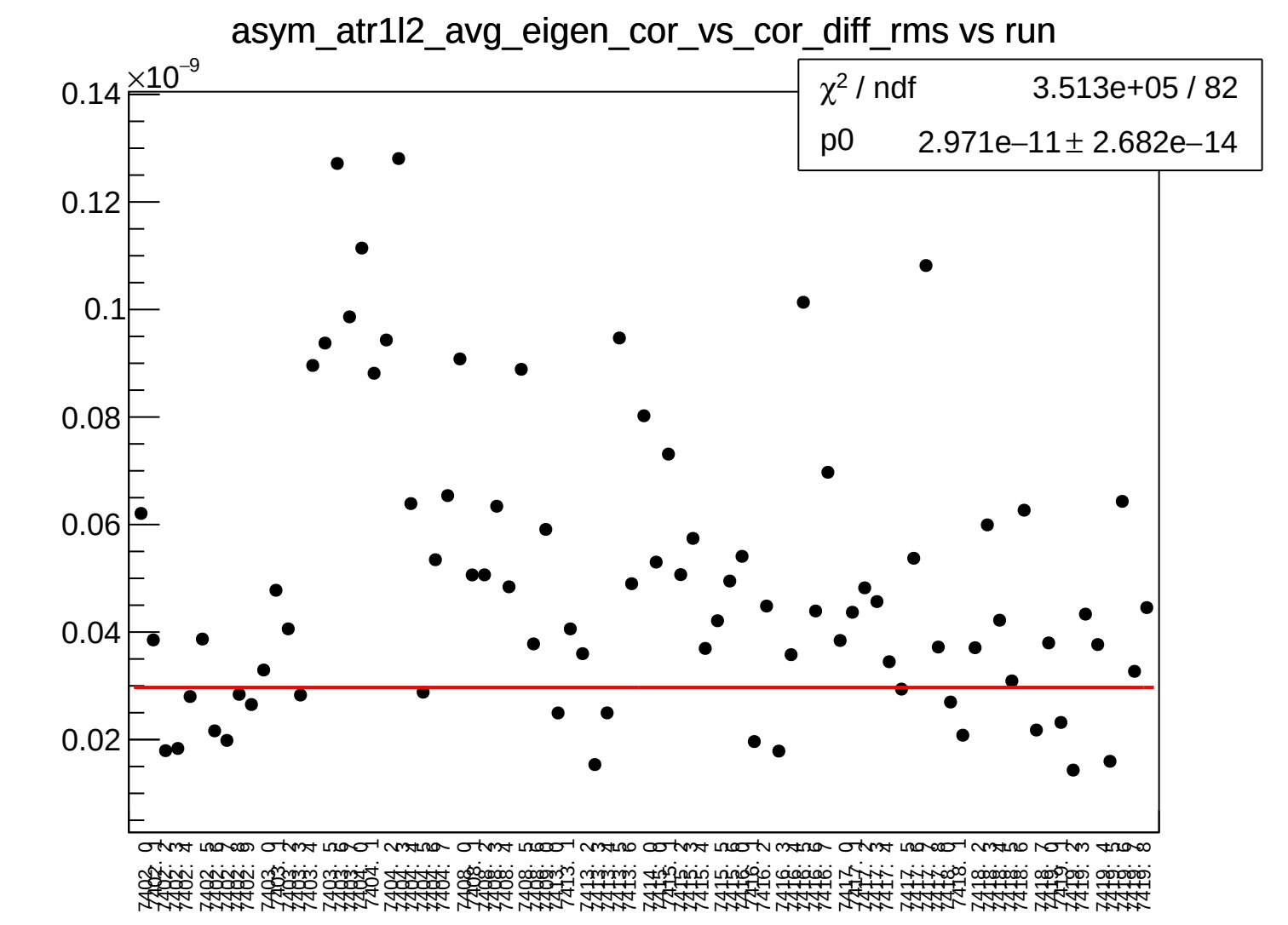

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.518e+04 / 82
p0 606.9 ± 0.4854
800
750
700
650
600
550
500
450

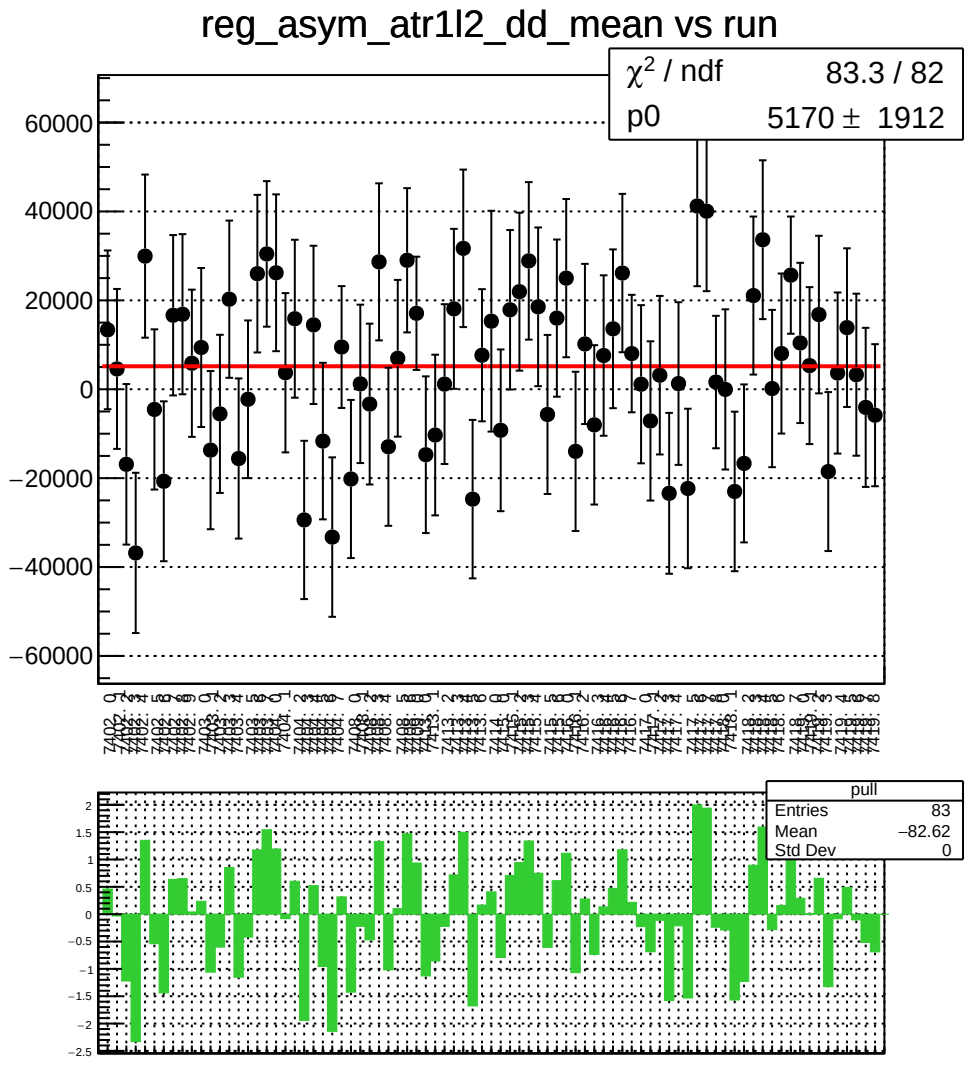

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.35 / 82
p0 0.6046 ± 0.6864
pull
Entries 83
Mean −646.3
Std Dev 0

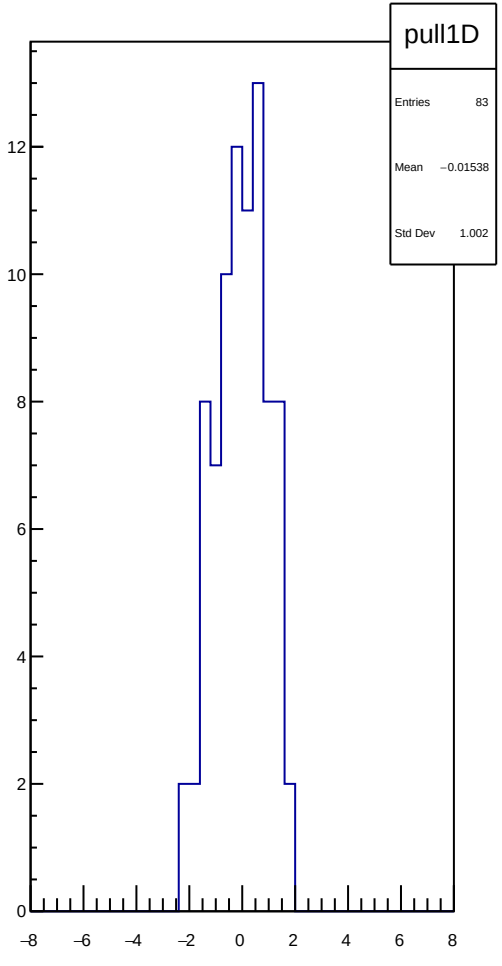

pull1D
Entries 83
Mean 0.003019
Std Dev 1.02

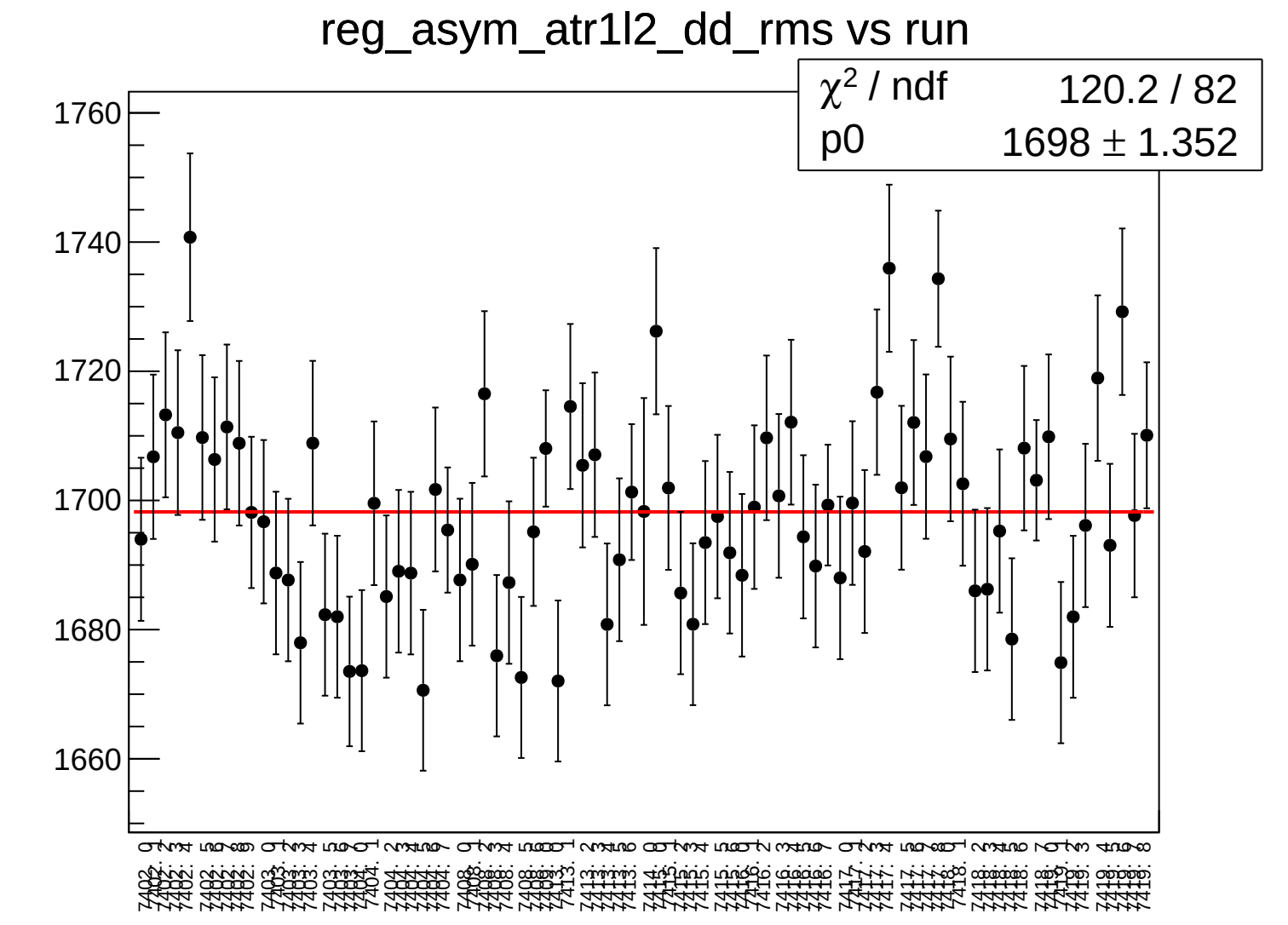

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.518e+04 / 82
p0 606.9 ± 0.4854
800
750
700
650
600
550
500
450

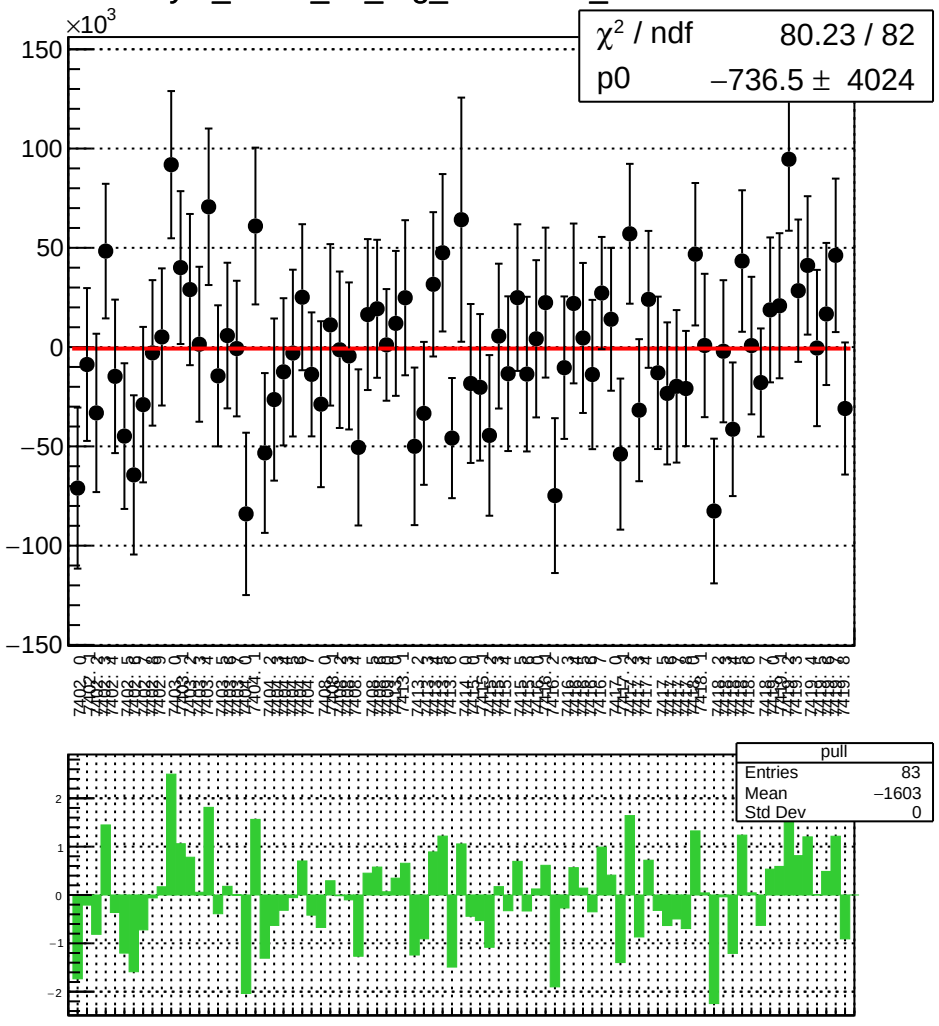

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 64.62 / 82
p0 1.928e−14 ± 3.792e−14
pull
Entries 83
Mean 5.842
Std Dev 0
pull1D
Entries 83
Mean 0.05033
Std Dev 0.8809

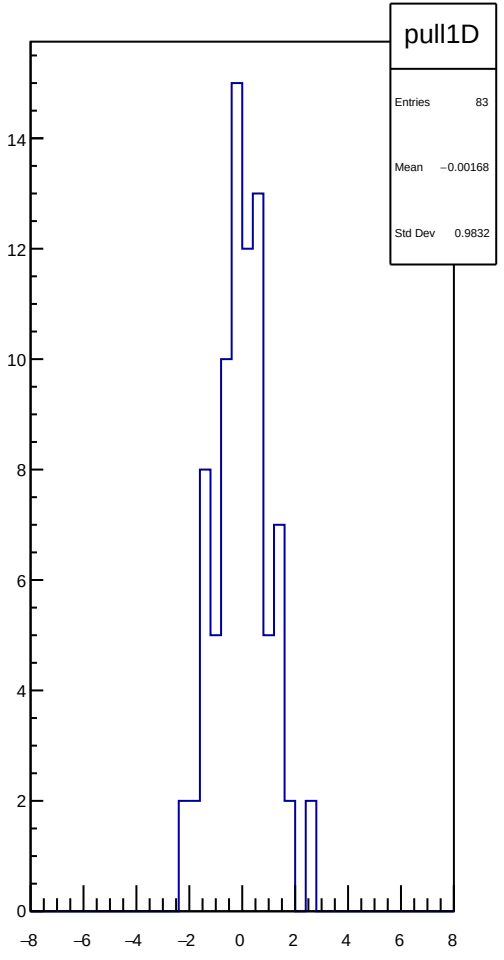

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 3.513e+05 / 82
p0 2.971e−11 ± 2.682e−14

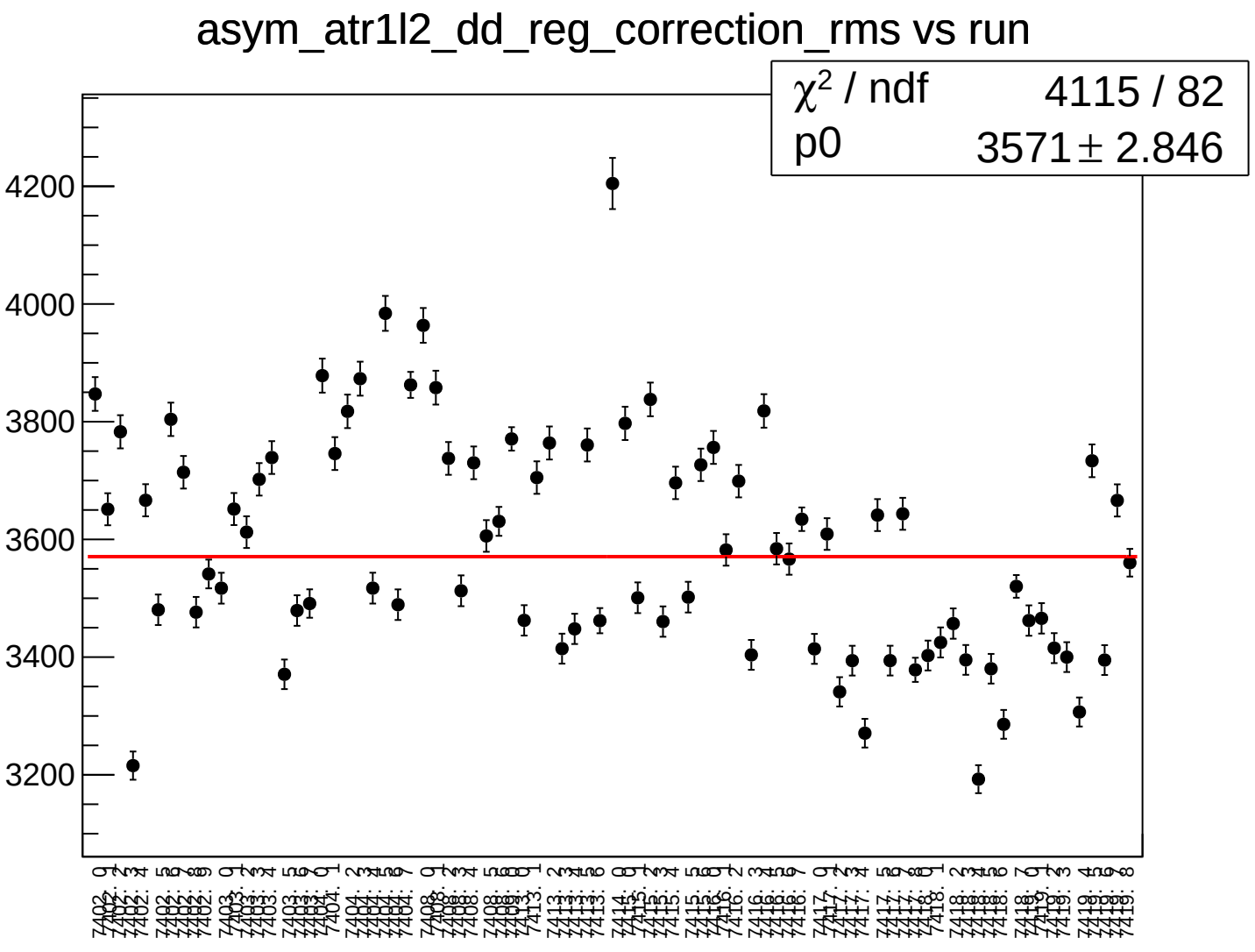

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 83.3 / 82
p0 5170 ± 1912
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −82.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

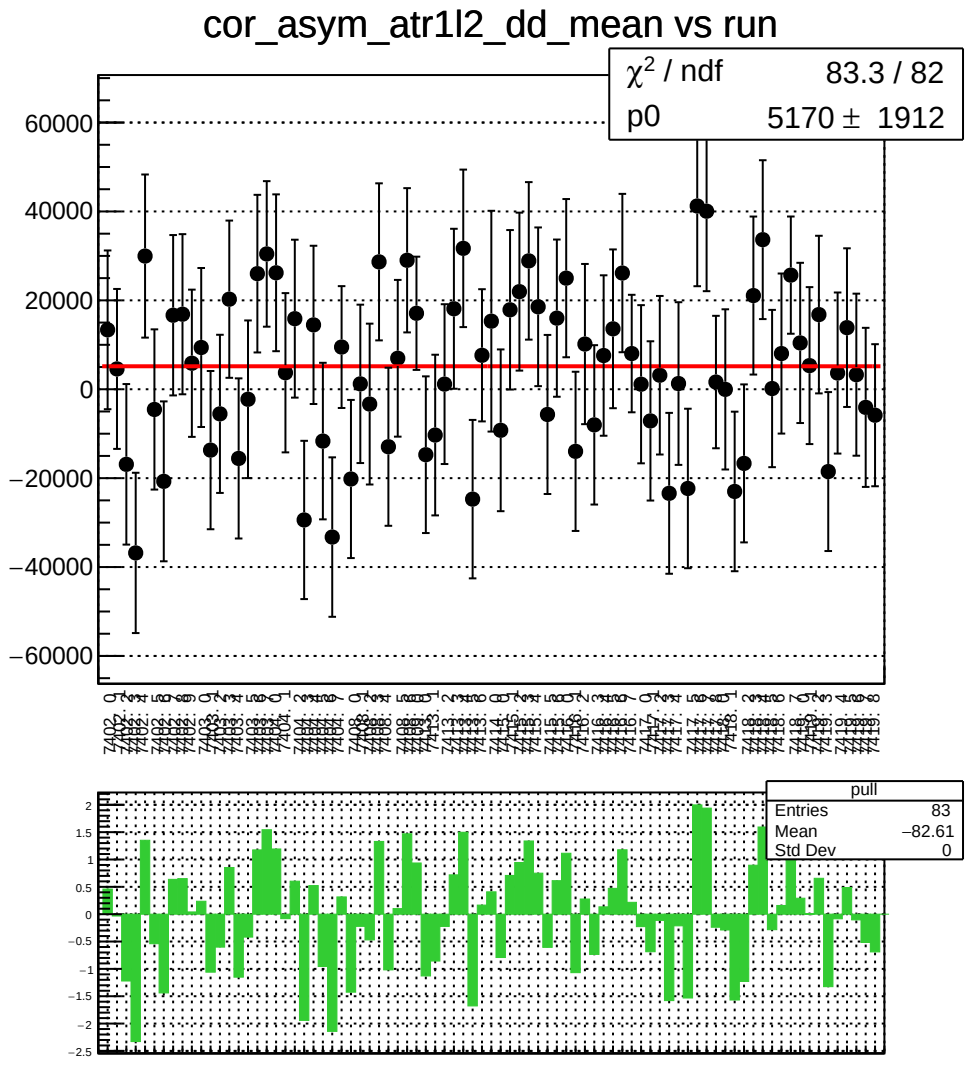

pull1D
Entries 83
Mean −0.01538
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

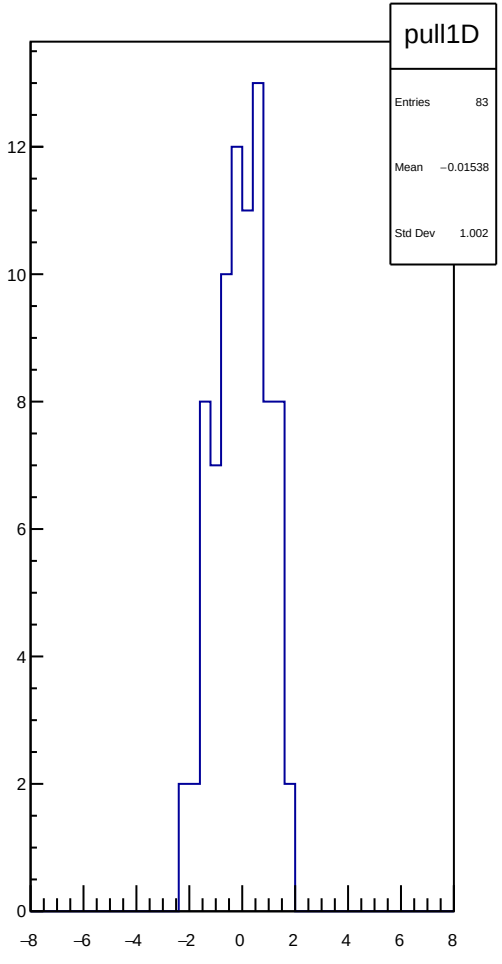

reg_asym_atr1l2_dd_rms vs run
χ^2 / ndf 120.2 / 82
p0 1698 ± 1.352
1760
1740
1720
1700
1680
1660

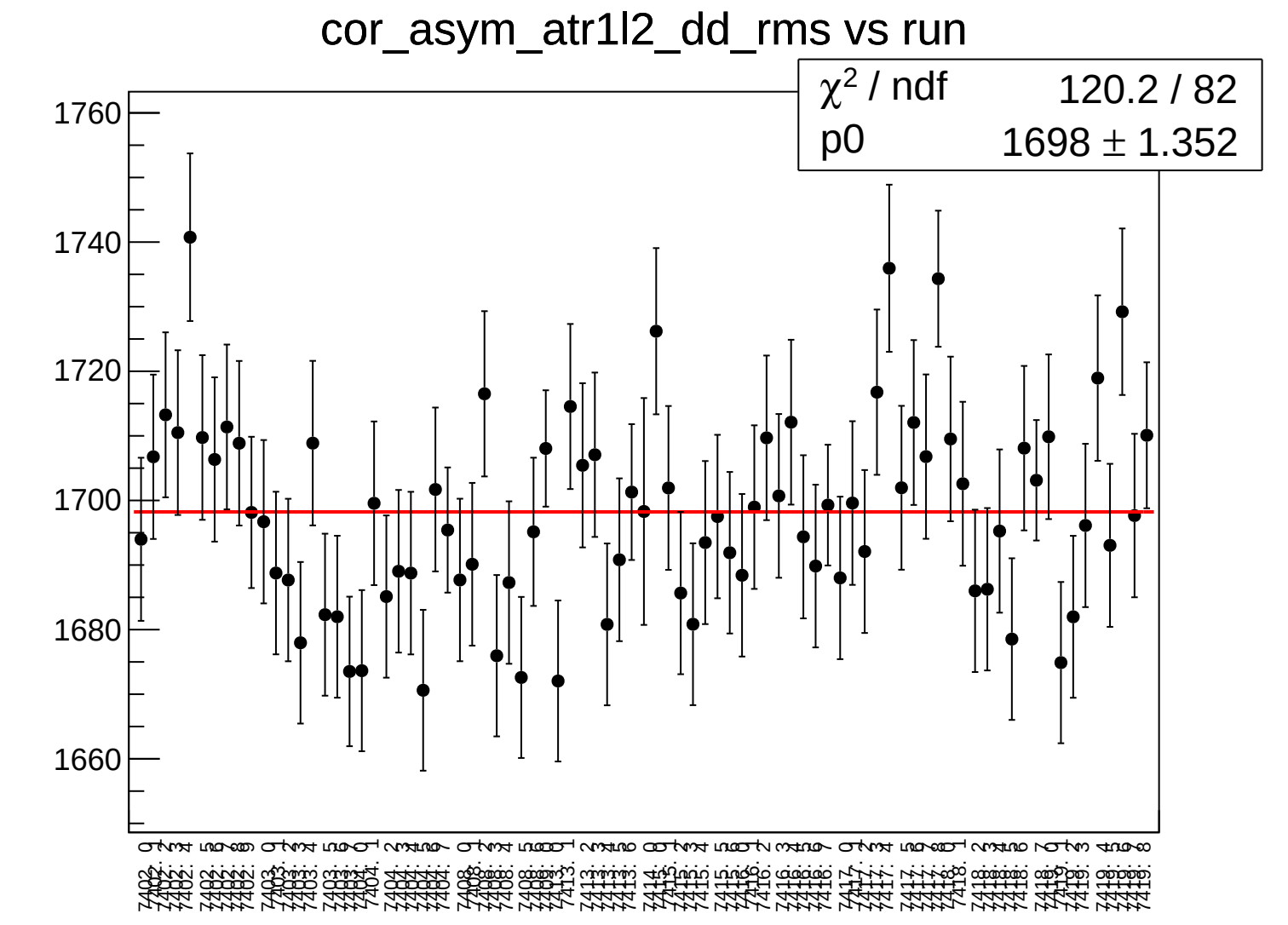

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 80.23 / 82
p0 −736.5 ± 4024
pull
Entries 83
Mean −1603
Std Dev 0

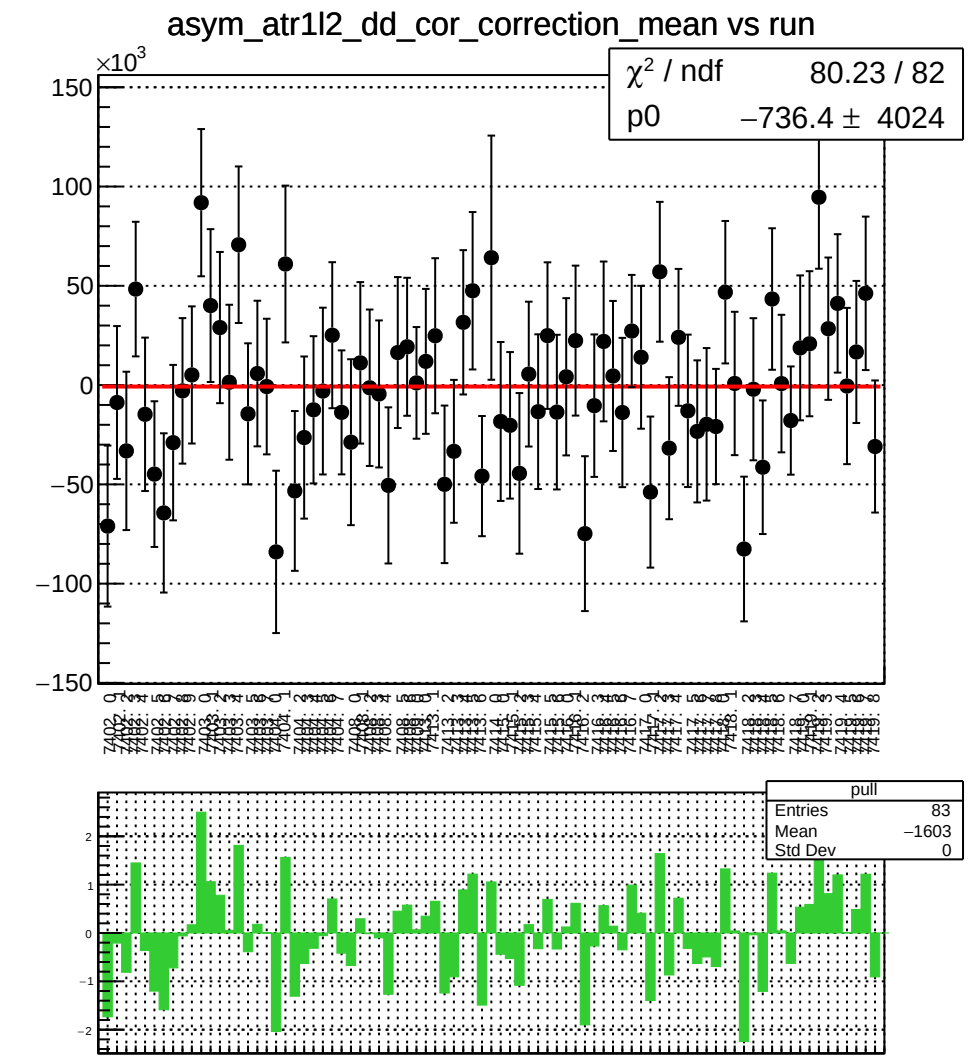

pull1D
Entries 83
Mean −0.00168
Std Dev 0.9832

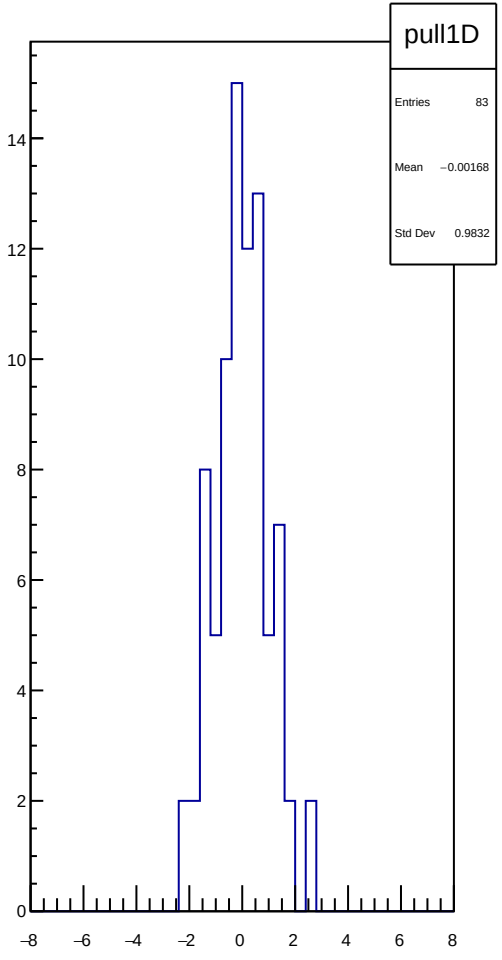

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 4115 / 82
p0 3571 ± 2.846
4200
4000
3800
3600
3400
3200

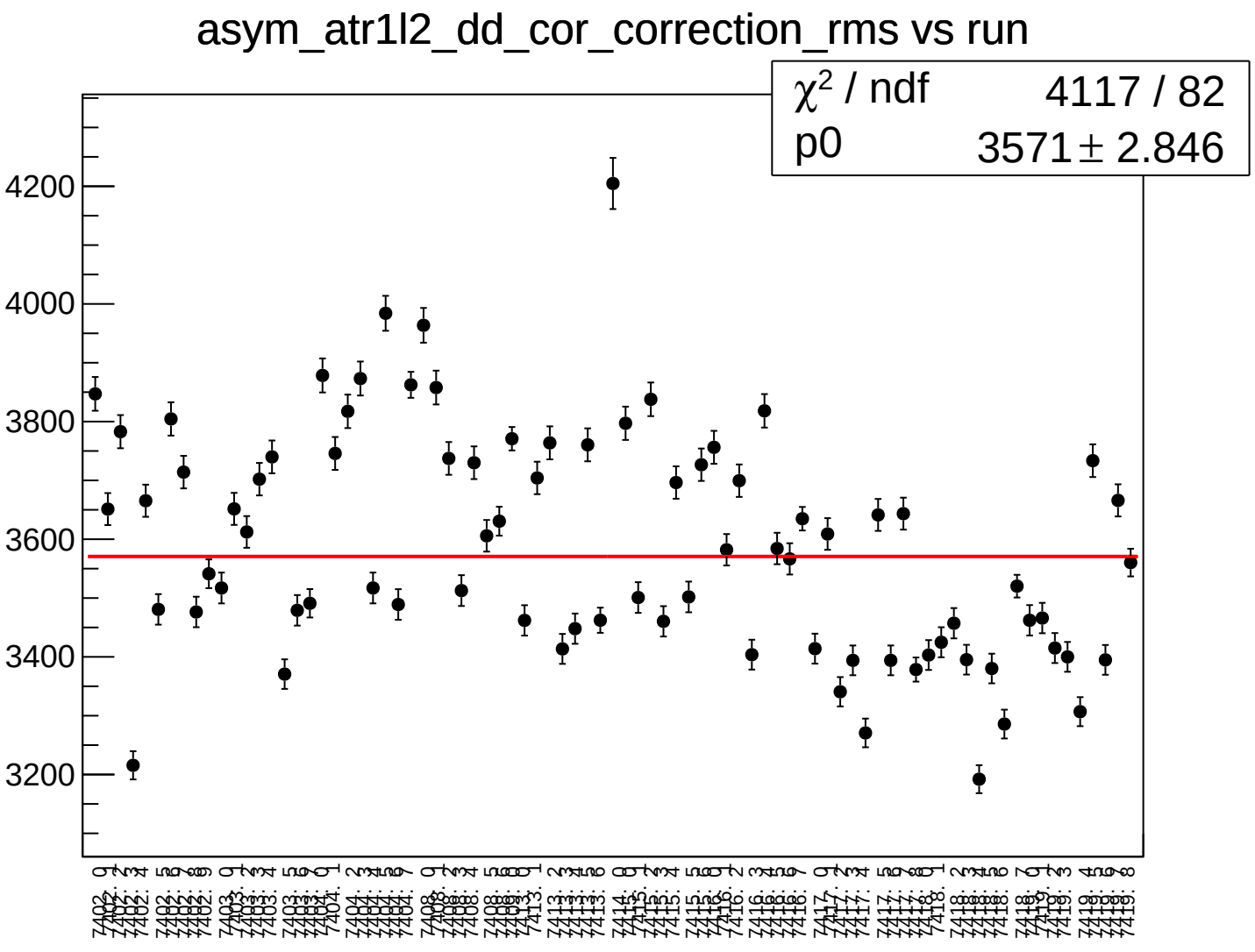

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 83.3 / 82
p0 5170 ± 1912
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −82.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

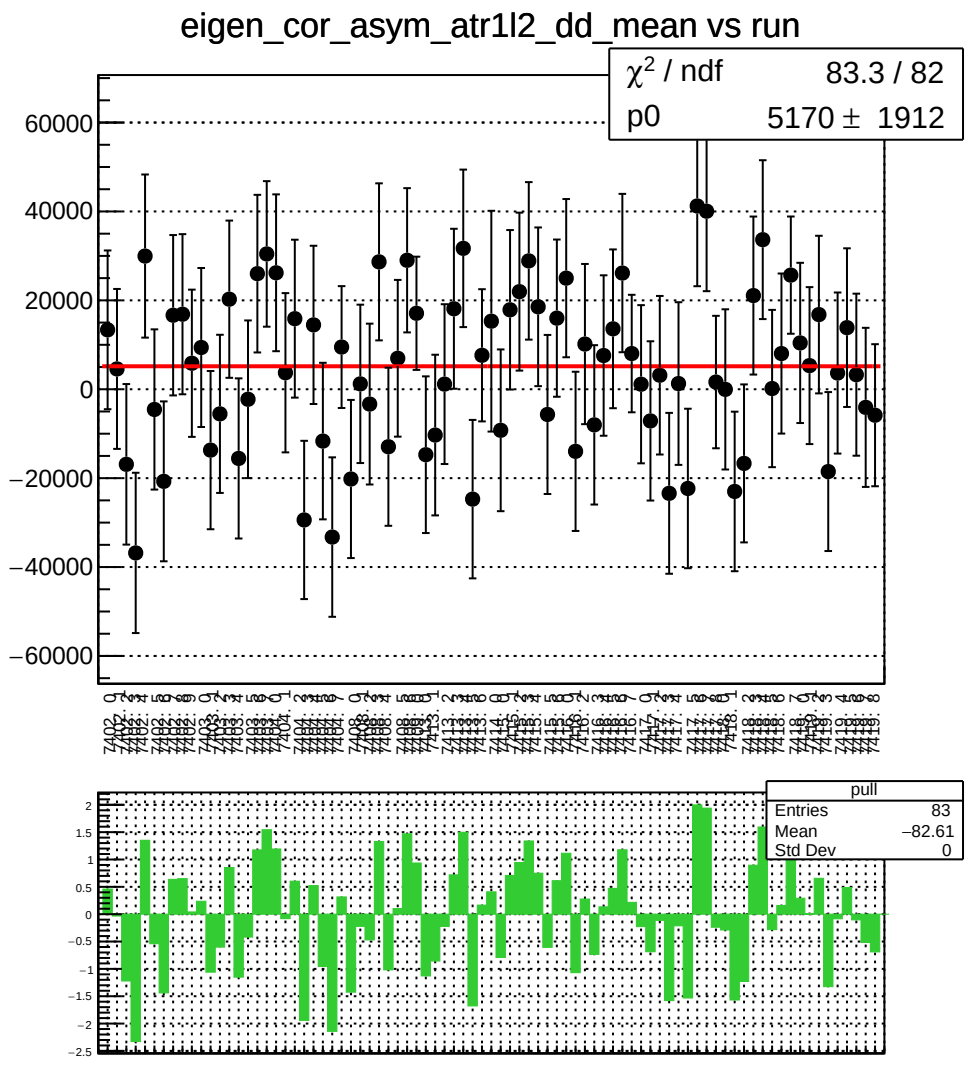

pull1D
Entries 83
Mean −0.01538
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

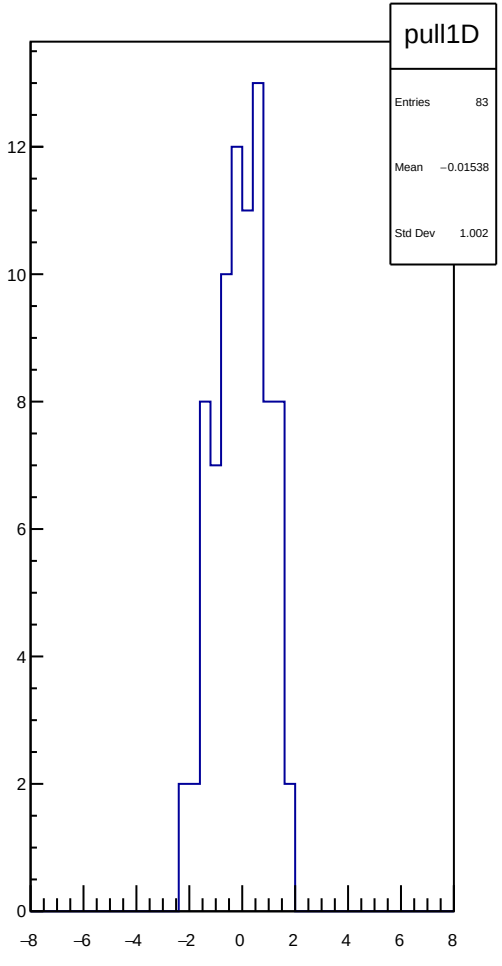

cor_asym_atr1l2_dd_rms vs run
χ^2 / ndf 120.2 / 82
p0 1698 ± 1.352
1760
1740
1720
1700
1680
1660

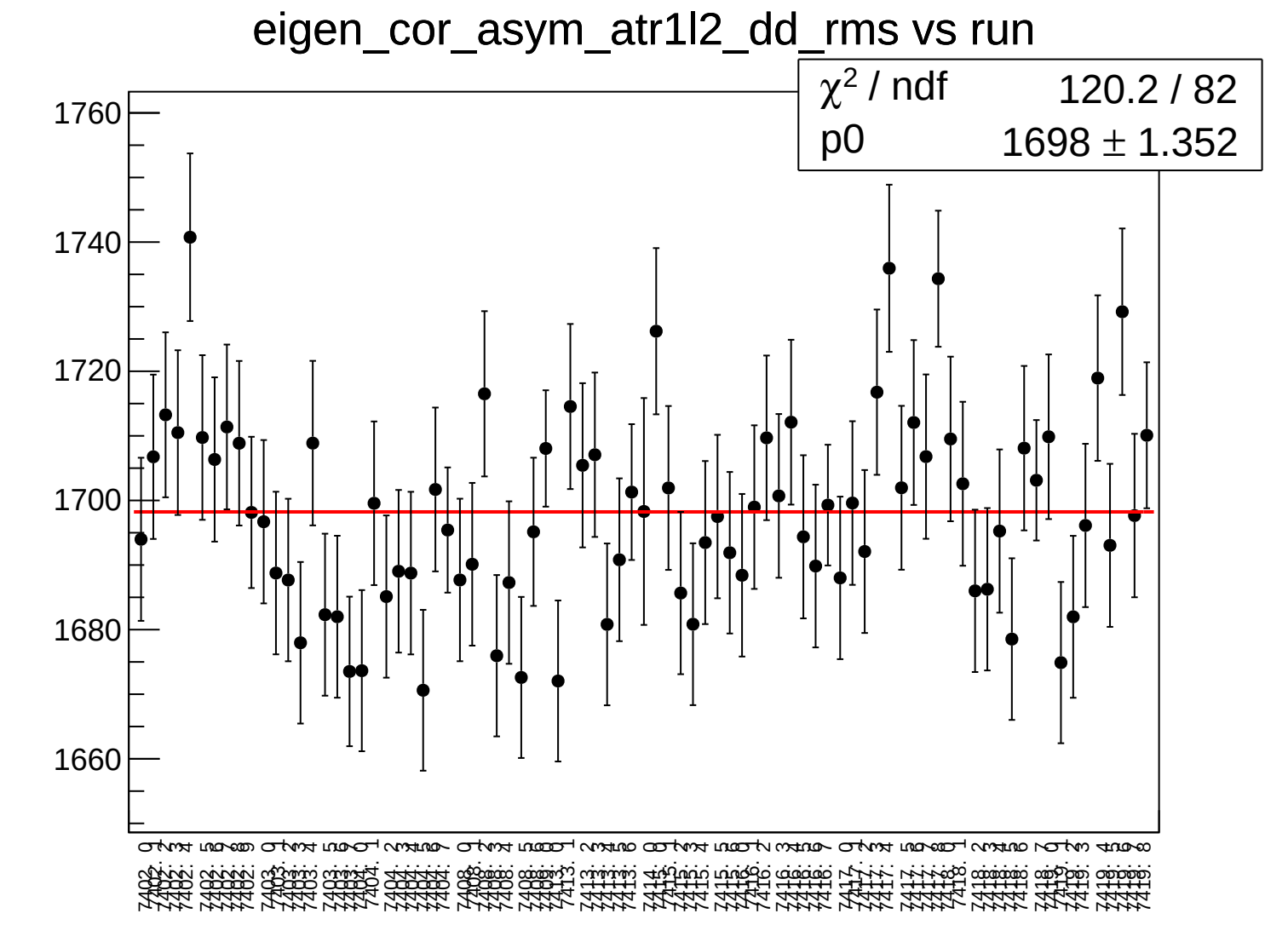

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 80.23 / 82
p0 −736.4 ± 4024
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1603
Std Dev 0
2
1
0
−1
−2

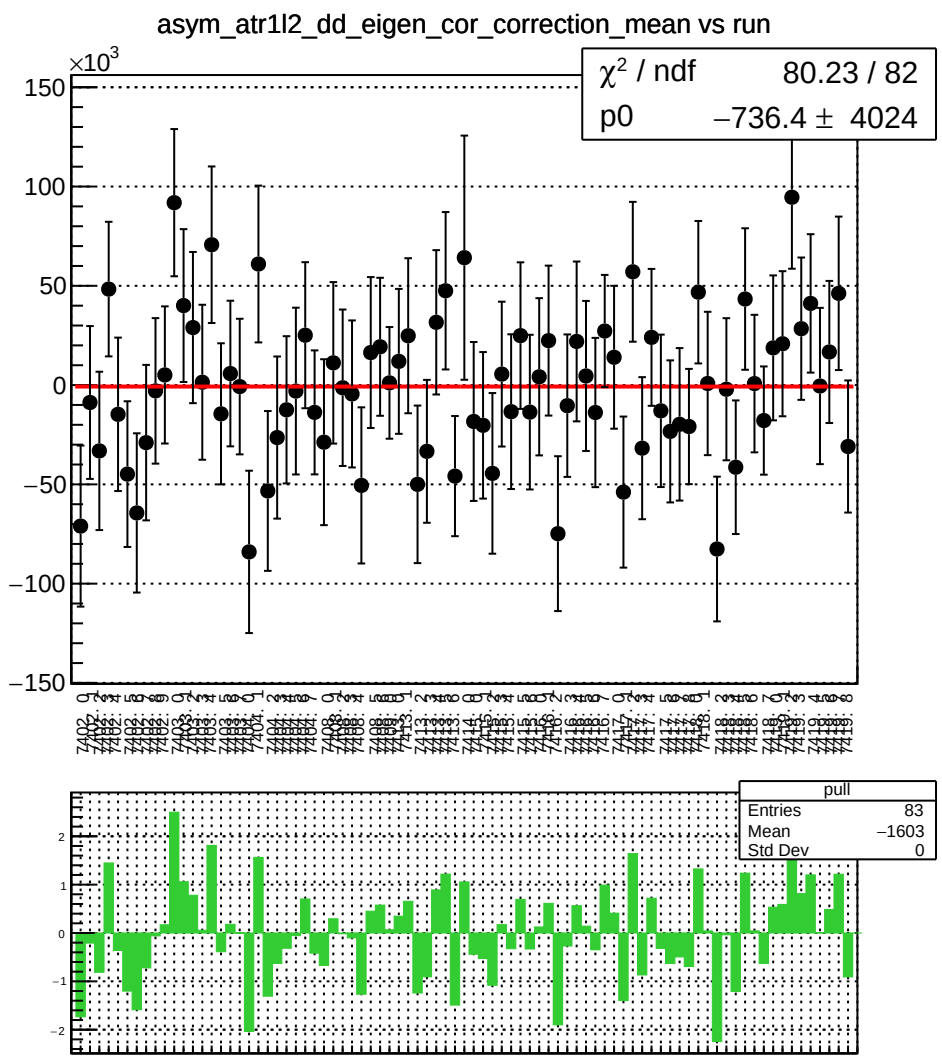

pull1D
Entries 83
Mean −0.00168
Std Dev 0.9832
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

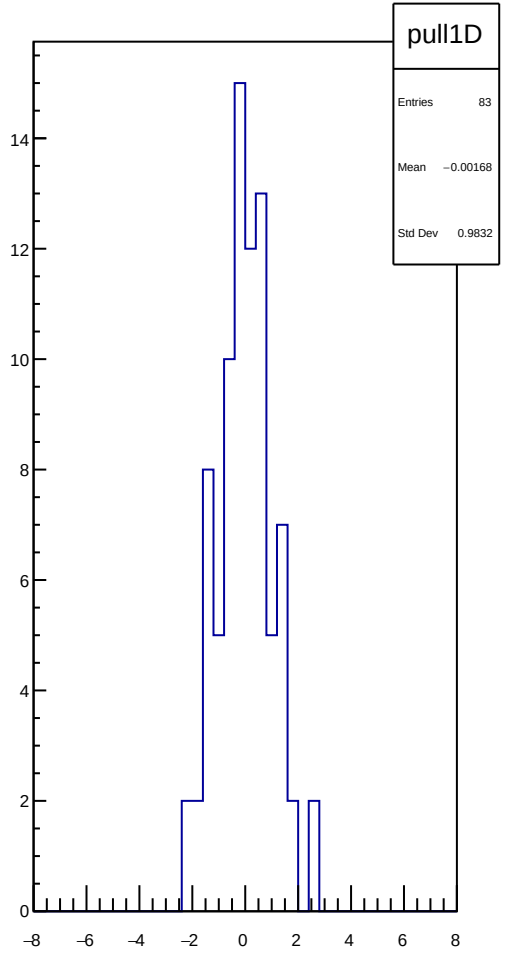

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 4117 / 82
p0 3571 ± 2.846
4200
4000
3800
3600
3400
3200

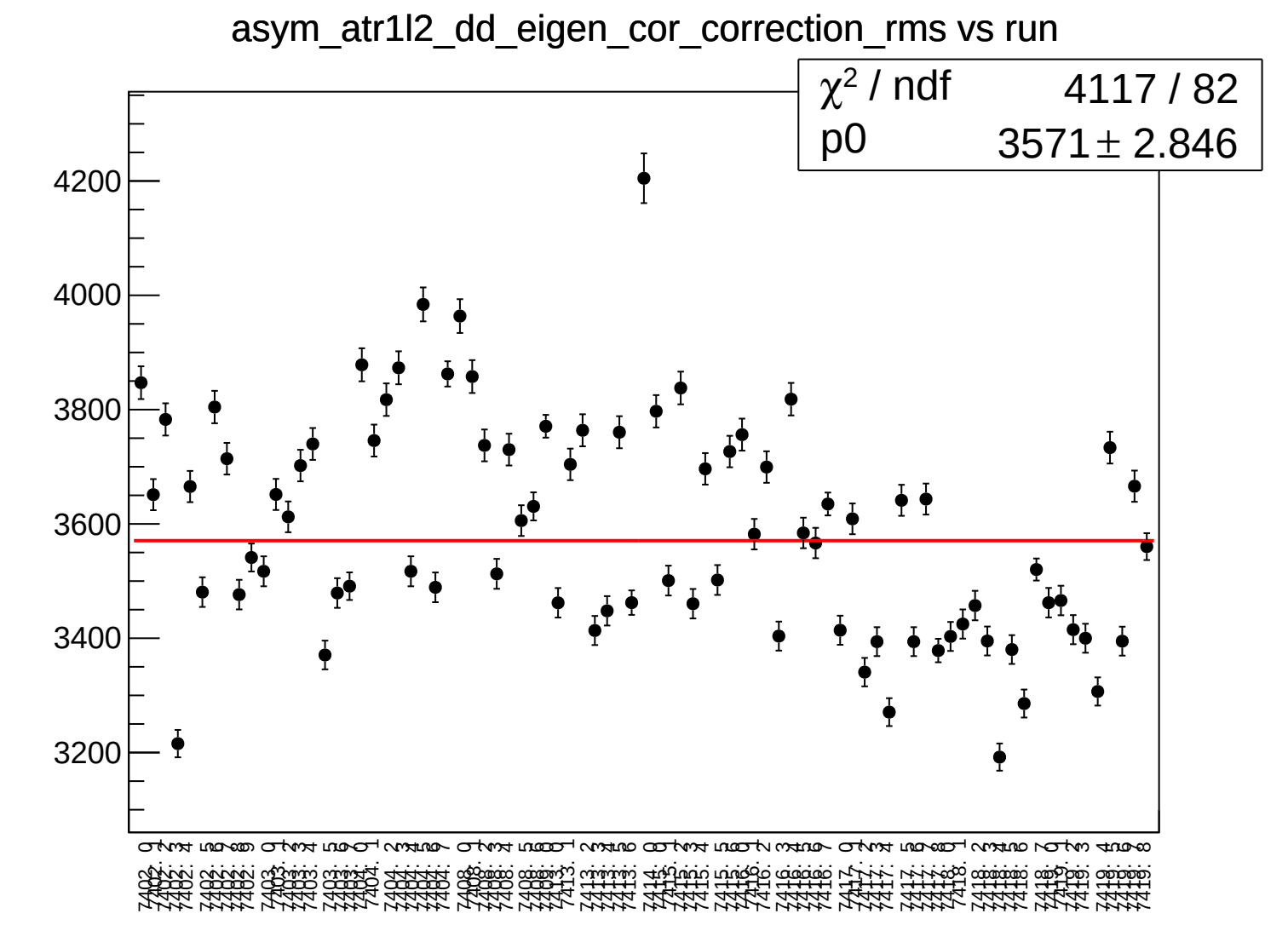

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 83.3 / 82
p0 5170 ± 1912
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −82.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

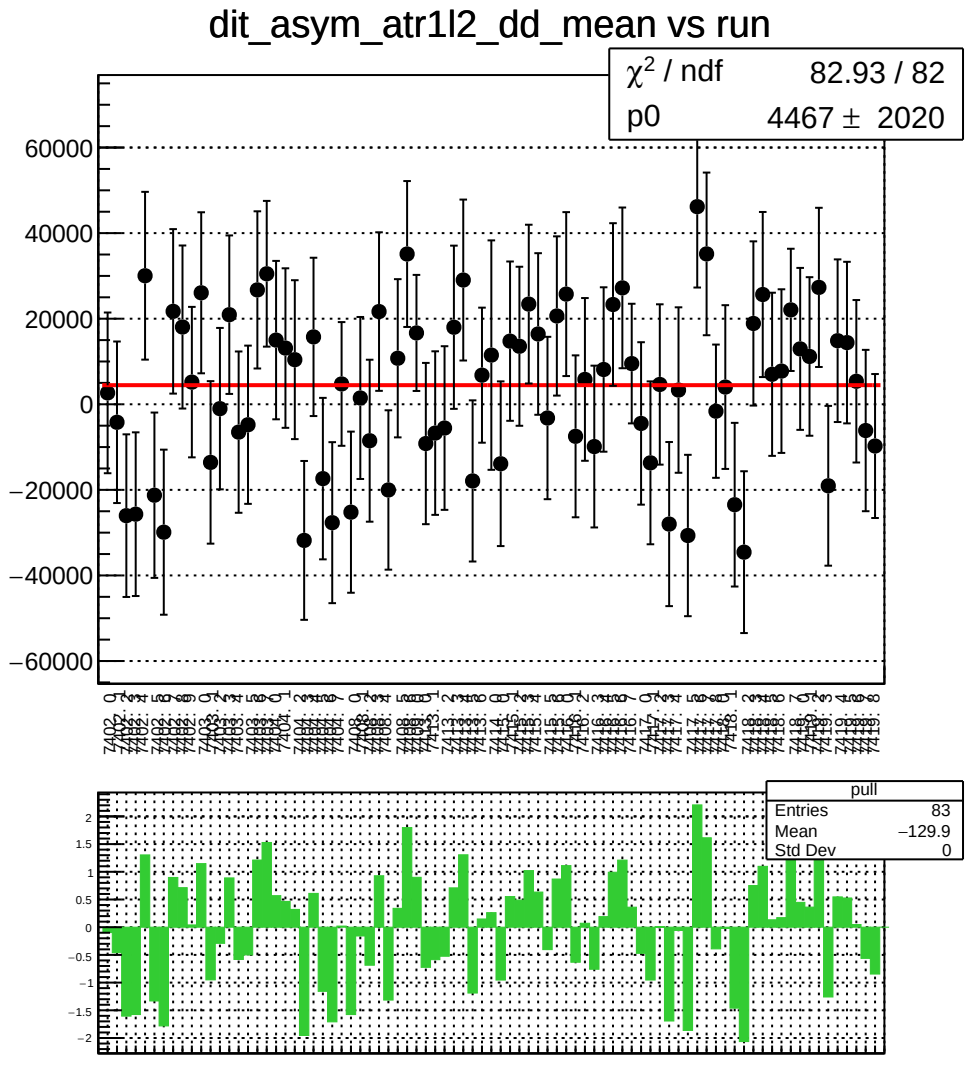

pull1D
Entries 83
Mean −0.01538
Std Dev 1.002
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

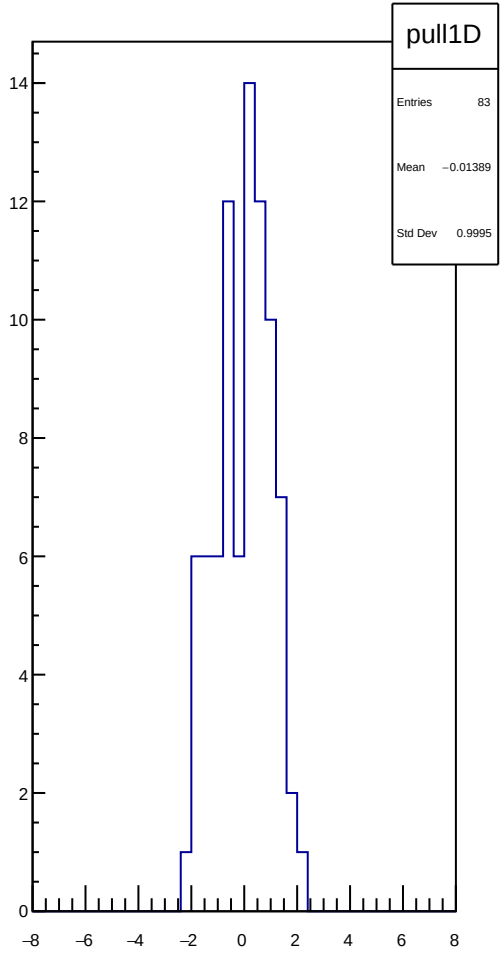

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 120.2 / 82
p0 1698 ± 1.352
1760
1740
1720
1700
1680
1660

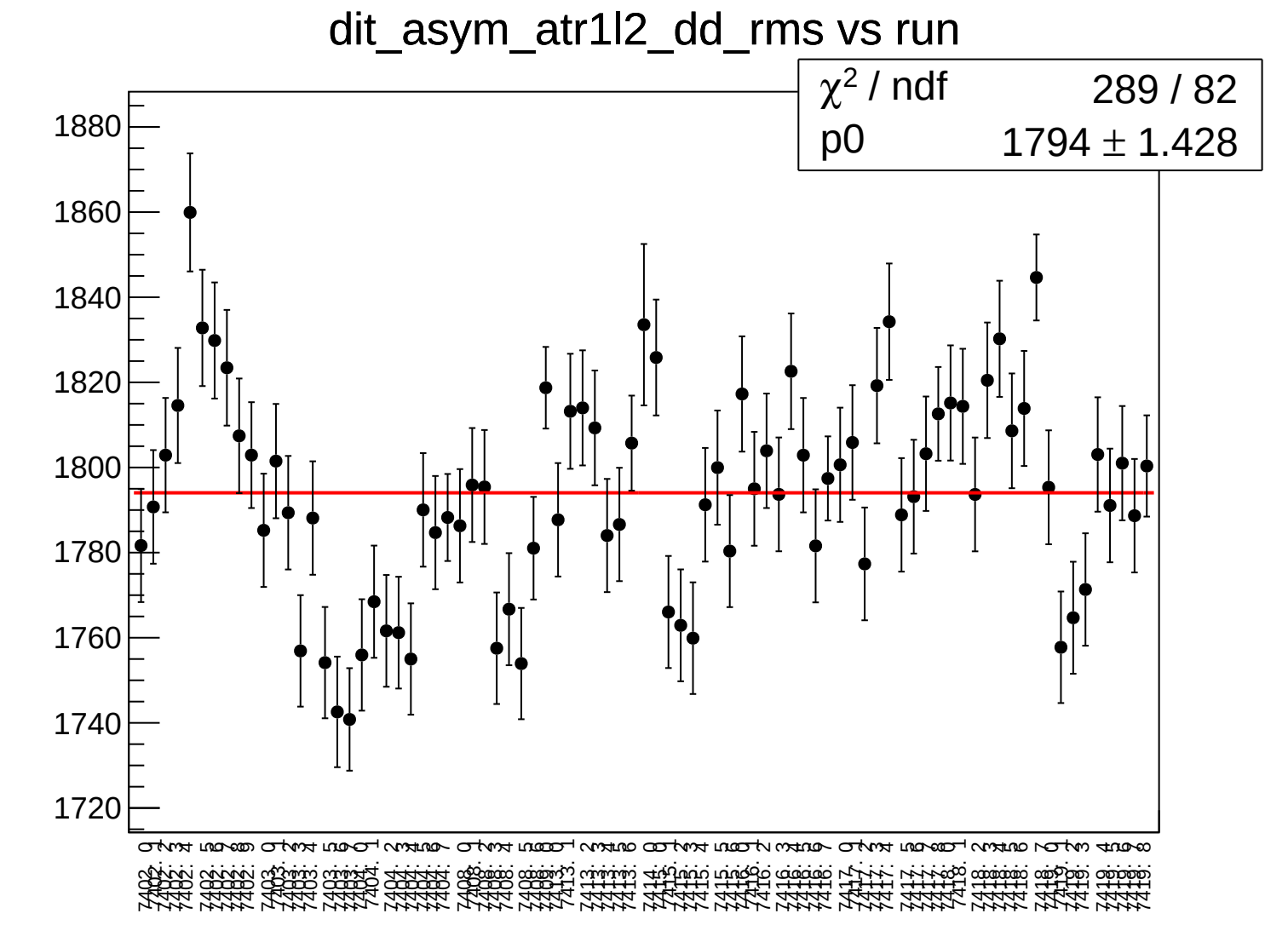

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.23 / 82
p0 −736.4 ± 4024
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1603
Std Dev 0
2
1
0
−1
−2

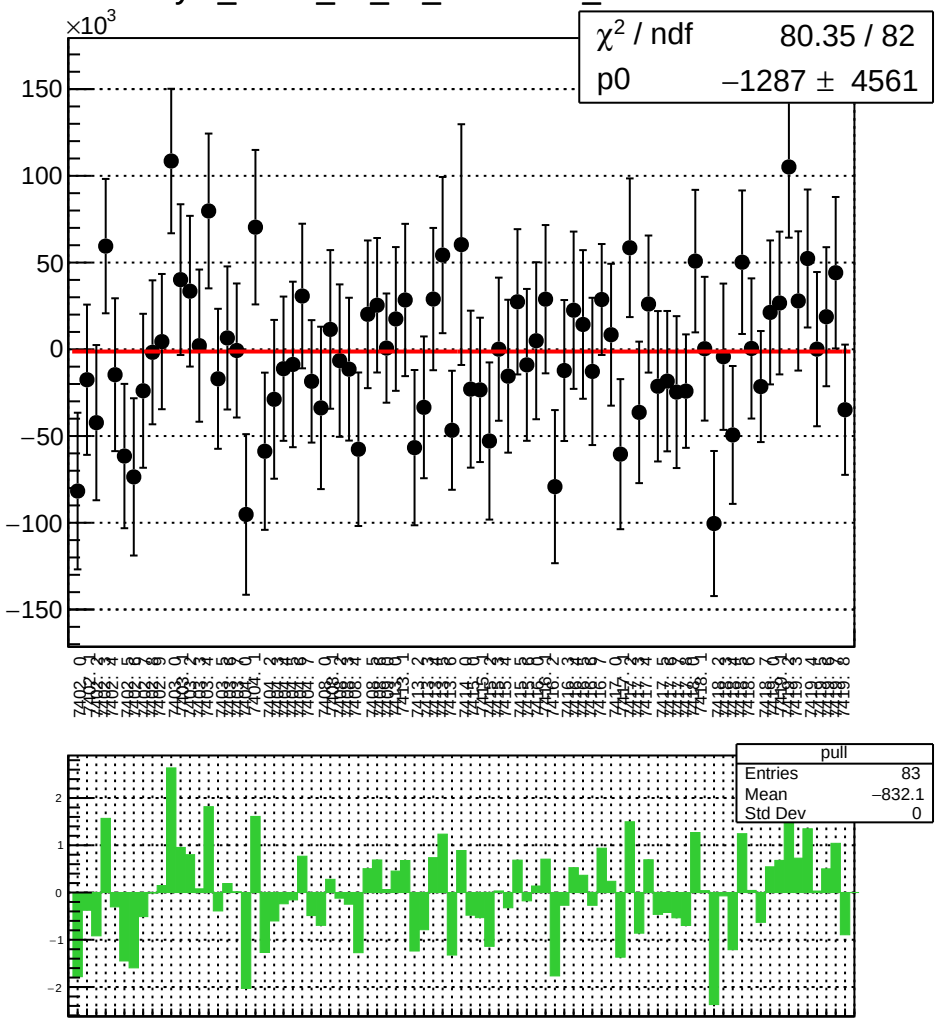

pull1D
Entries 83
Mean −0.00168
Std Dev 0.9832
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

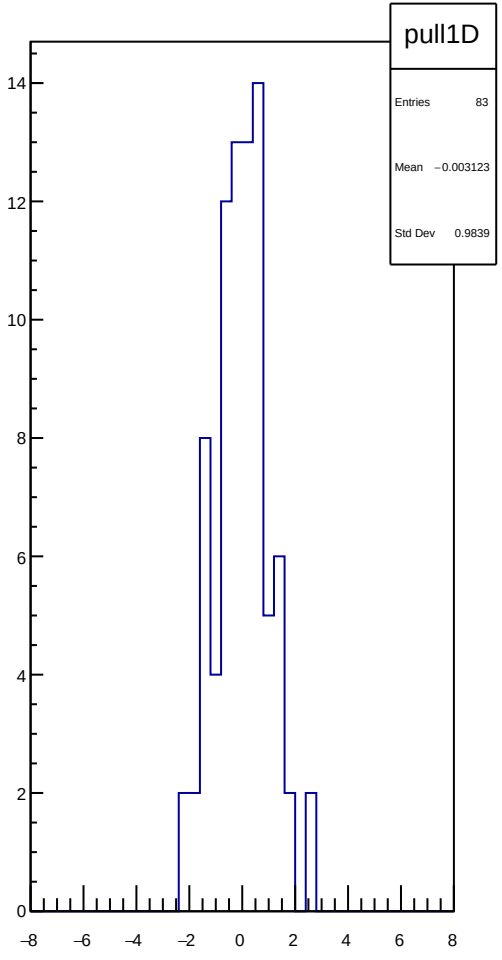

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 4117 / 82
p0 3571 ± 2.846
4200
4000
3800
3600
3400
3200

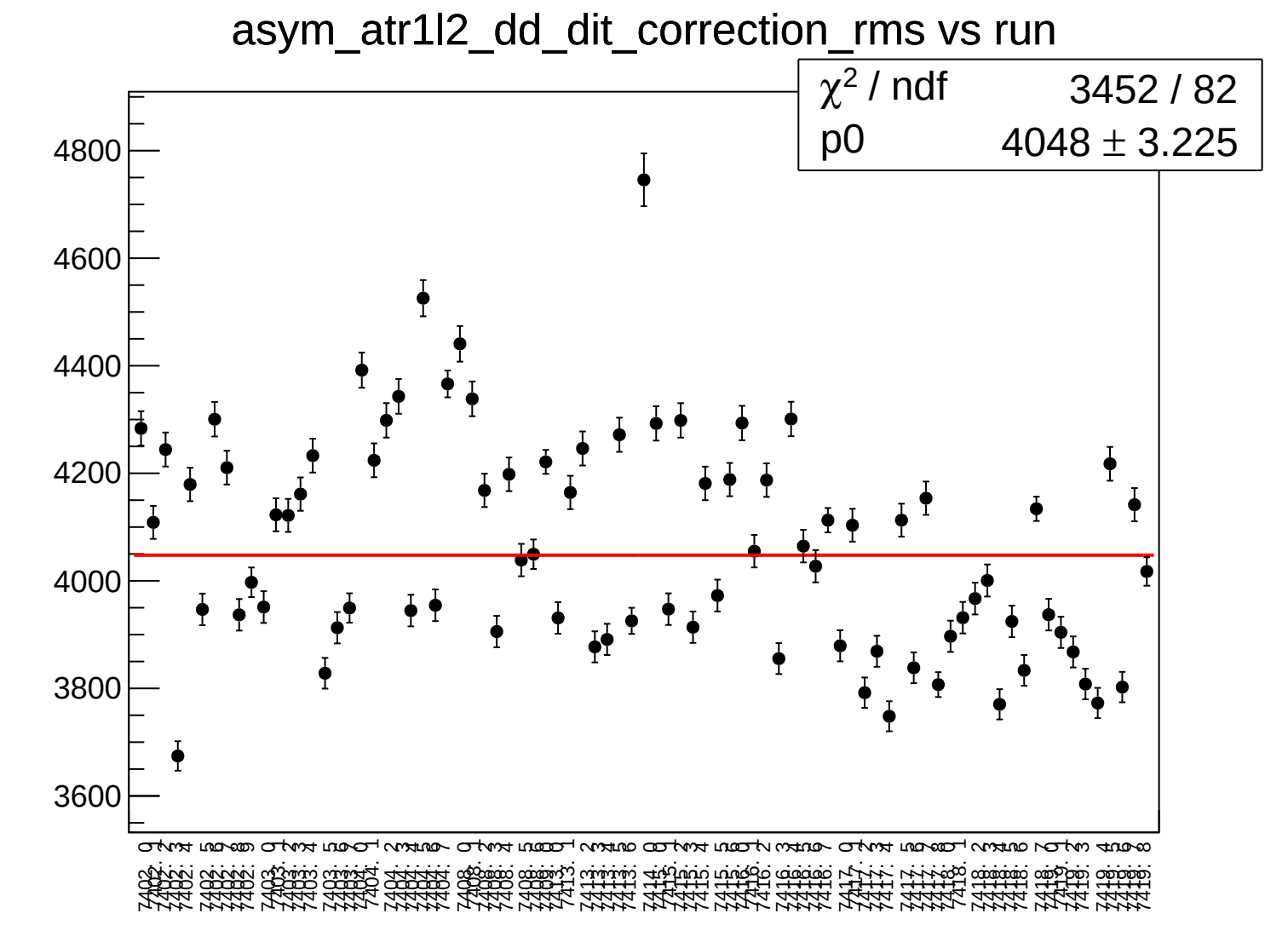

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 82.93 / 82
p0 4467 ± 2020
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −129.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

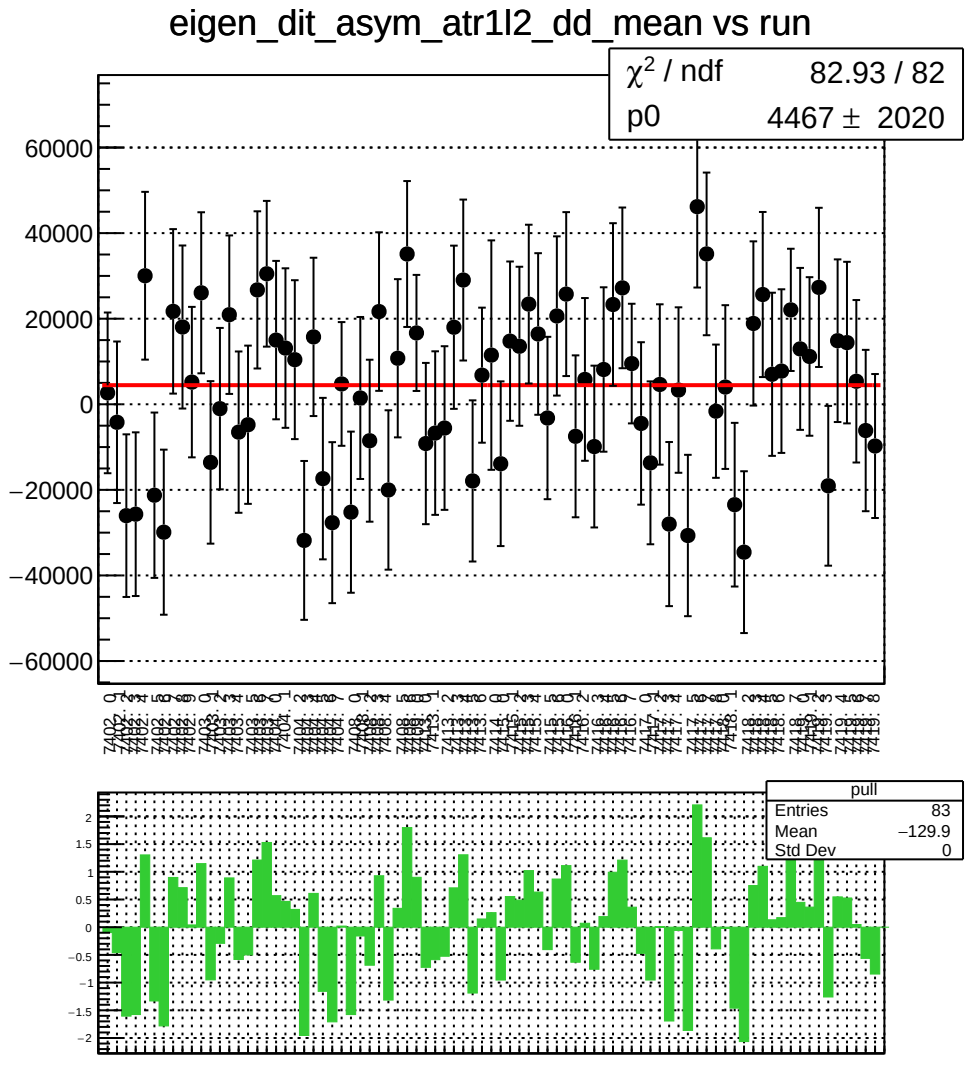

pull1D
Entries 83
Mean −0.01389
Std Dev 0.9995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

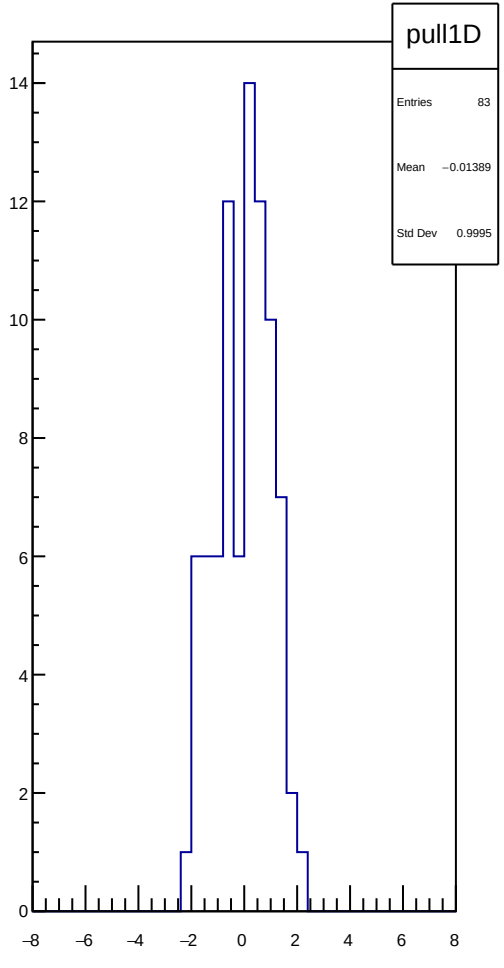

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 289 / 82
p0 1794 ± 1.428
1880
1860
1840
1820
1800
1780
1760
1740
1720

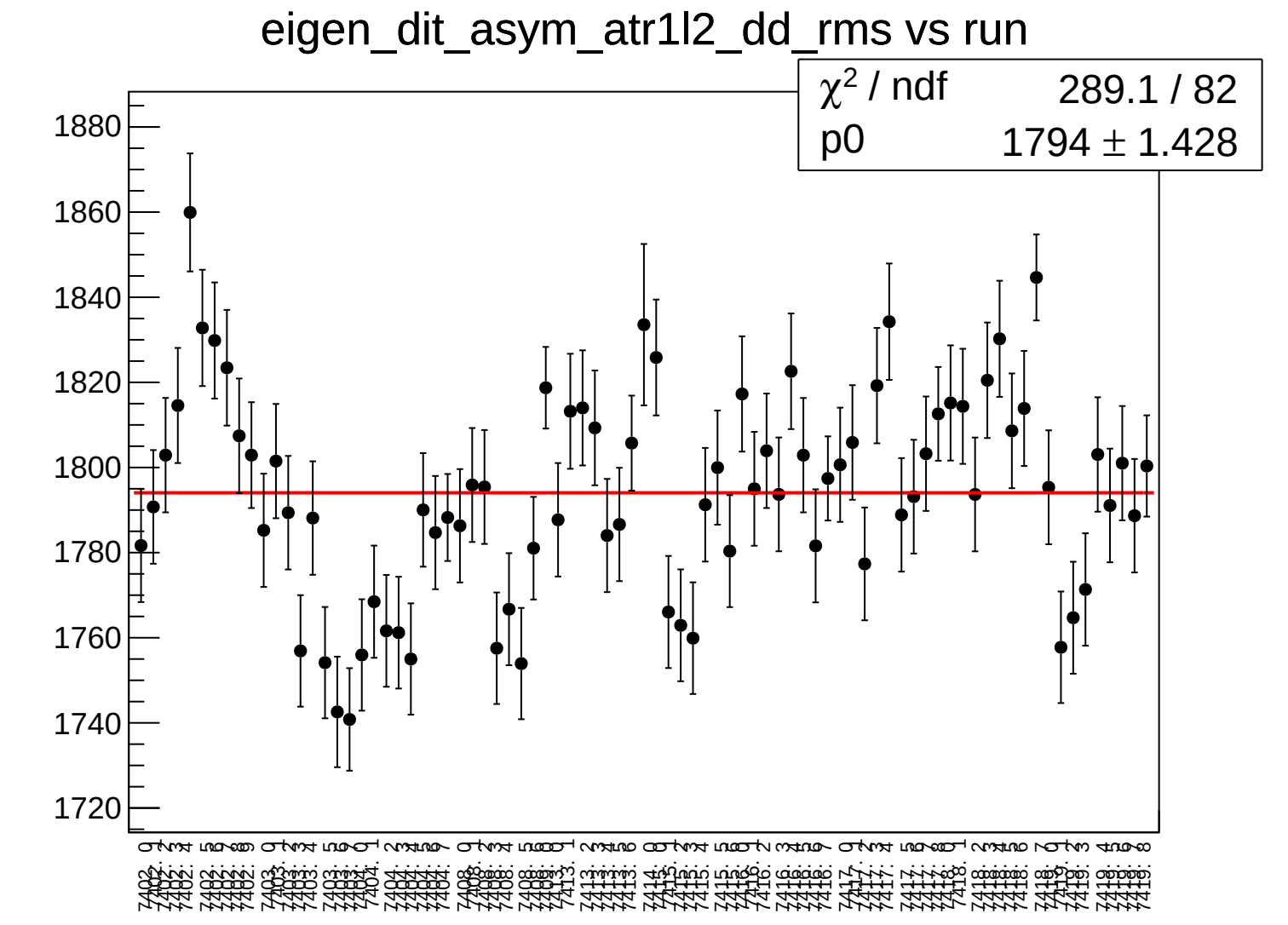

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 80.35 / 82
p0 −1287 ± 4561
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −832.1
Std Dev 0
2
1
0
−1
−2

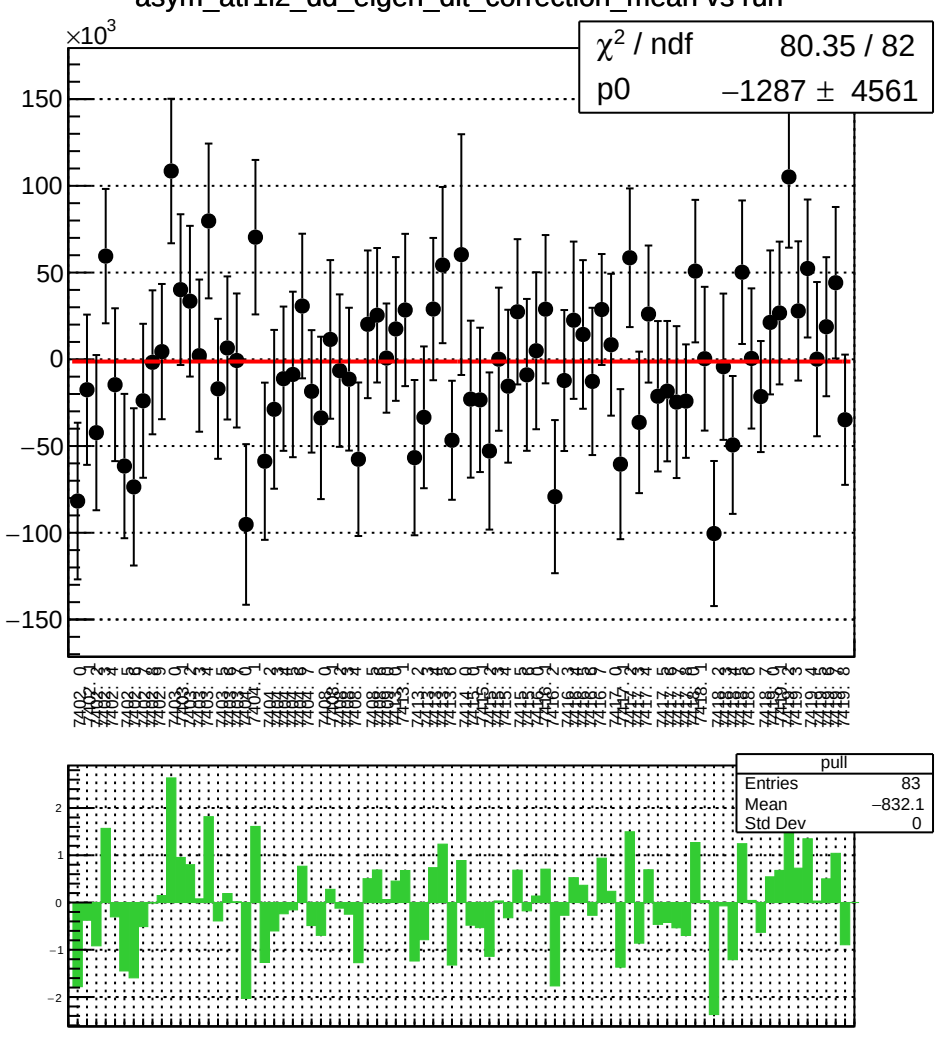

pull1D
Entries 83
Mean −0.003123
Std Dev 0.9839
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

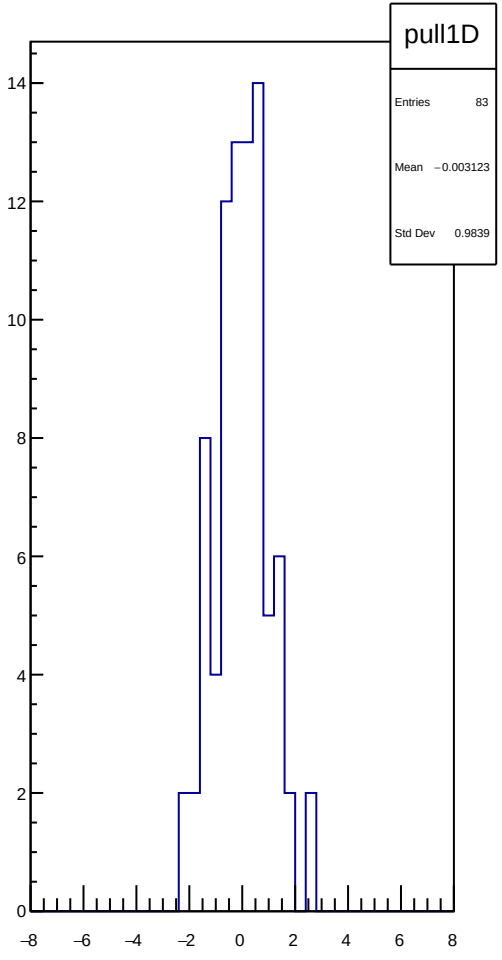

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 3452 / 82
p0 4048 ± 3.225
4800
4600
4400
4200
4000
3800
3600

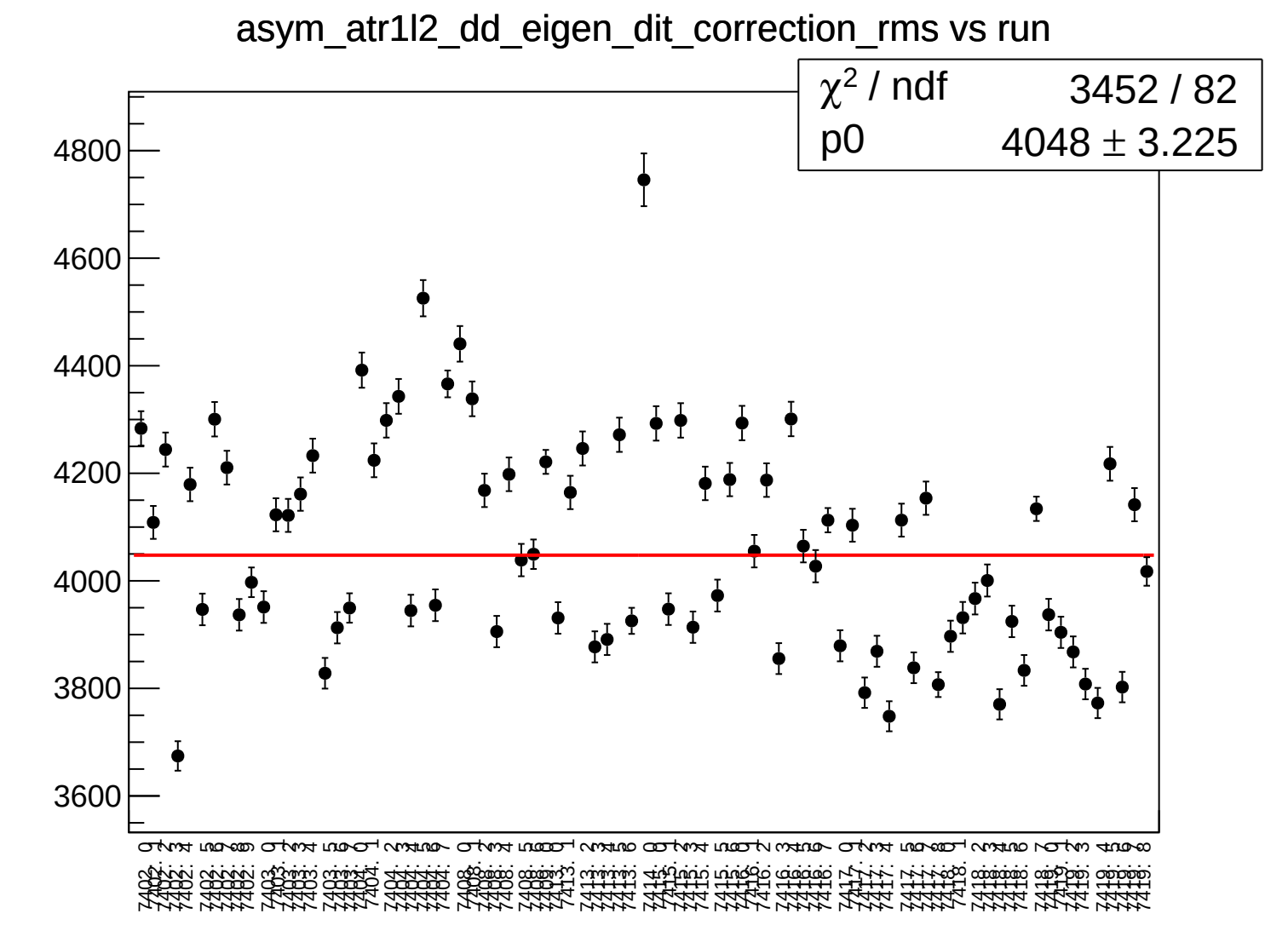

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 82.93 / 82
p0 4467 ± 2020
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −129.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

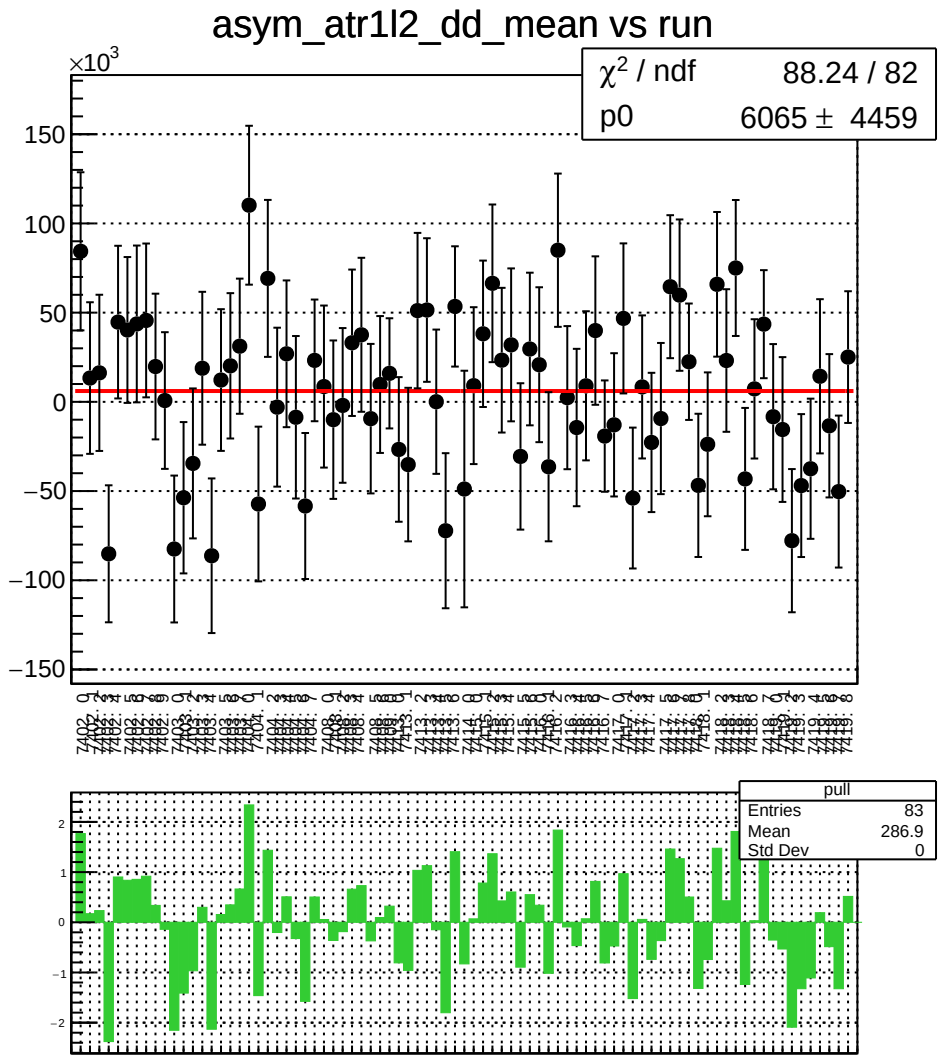

pull1D
Entries 83
Mean −0.01389
Std Dev 0.9995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

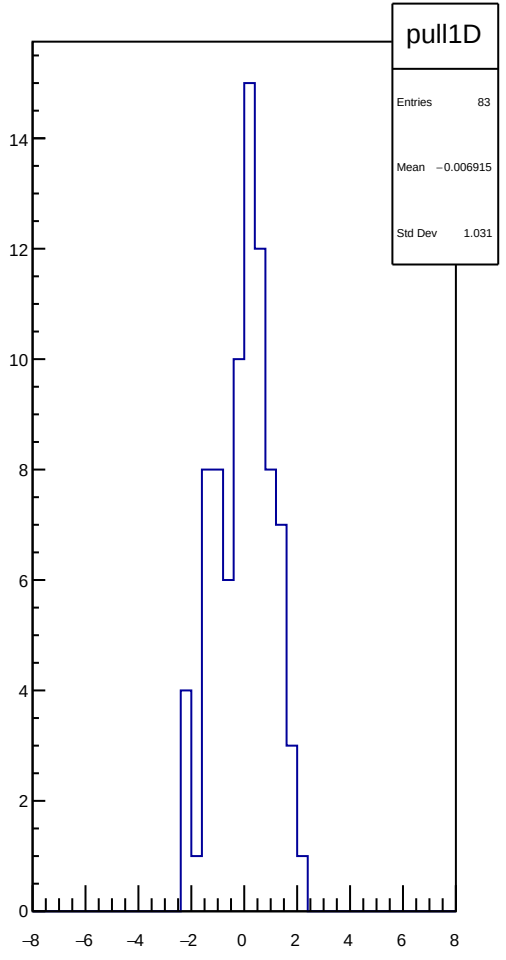

eigen_dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 289.1 / 82
p0 1794 ± 1.428
1880
1860
1840
1820
1800
1780
1760
1740
1720

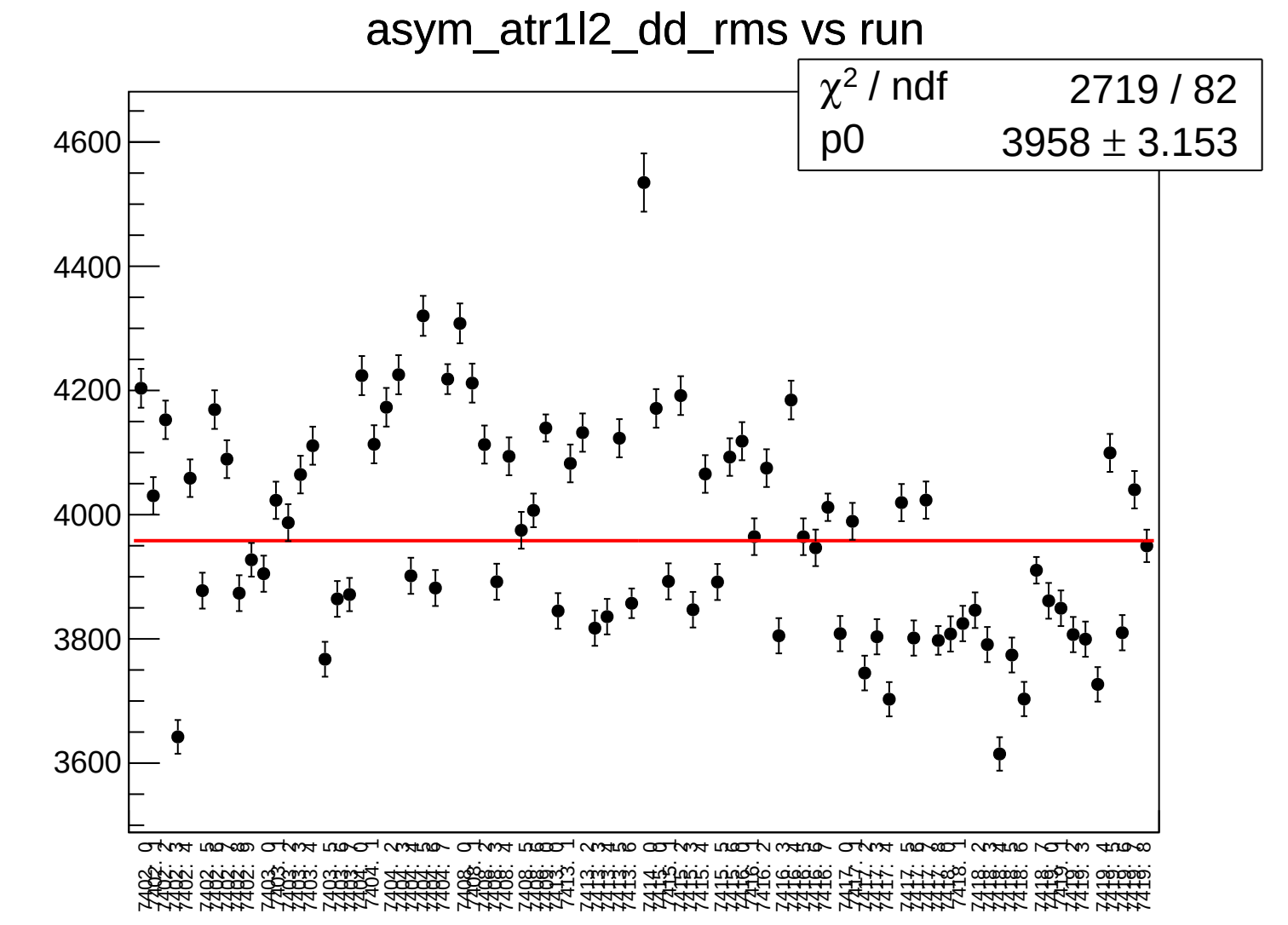

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.35 / 82
p0 −1287 ± 4561
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −832.1
Std Dev 0
2
1
0
−1
−2

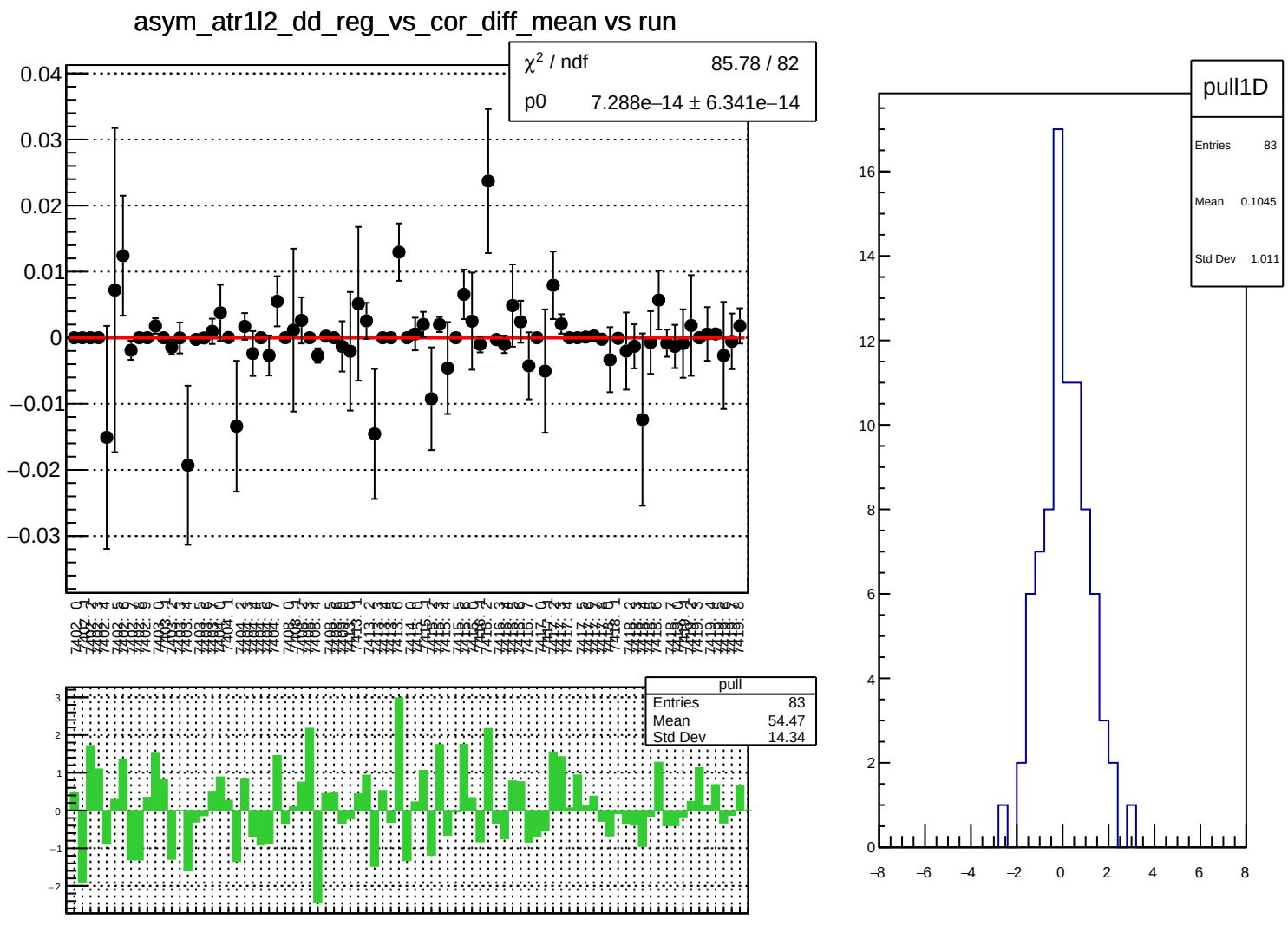

pull1D
Entries 83
Mean −0.003123
Std Dev 0.9839
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

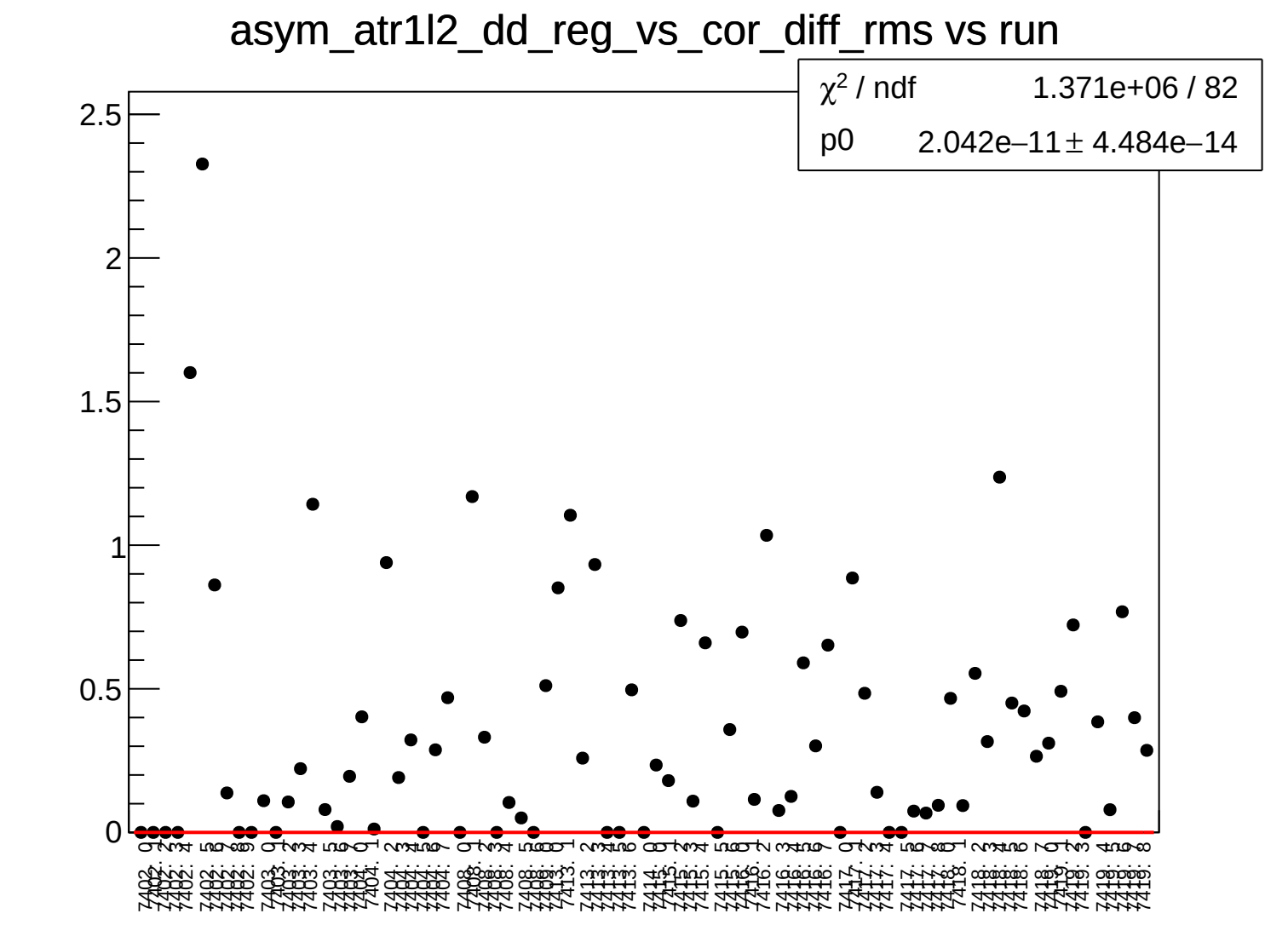

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3452 / 82
p0 4048 ± 3.225
4800
4600
4400
4200
4000
3800
3600

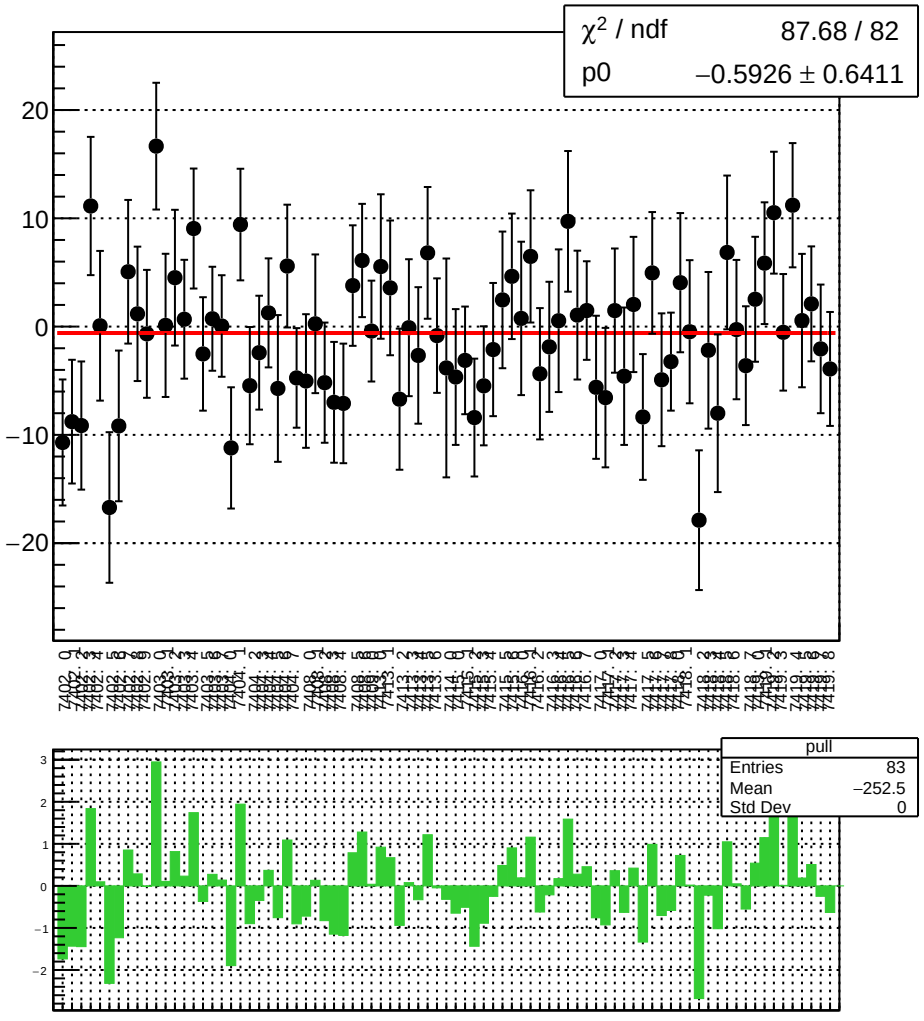

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 88.24 / 82
p0 6065 ± 4459
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 286.9
Std Dev 0
2
1
0
−1
−2

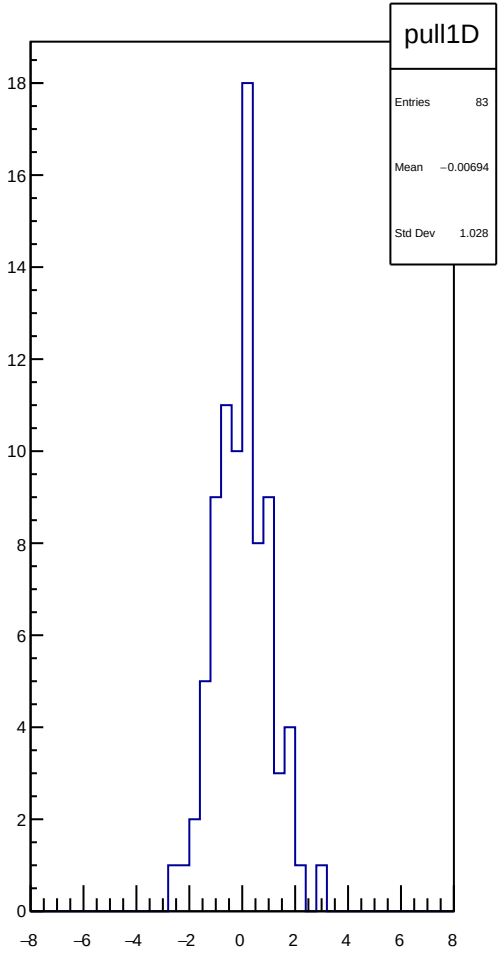

pull1D
Entries 83
Mean −0.006915
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

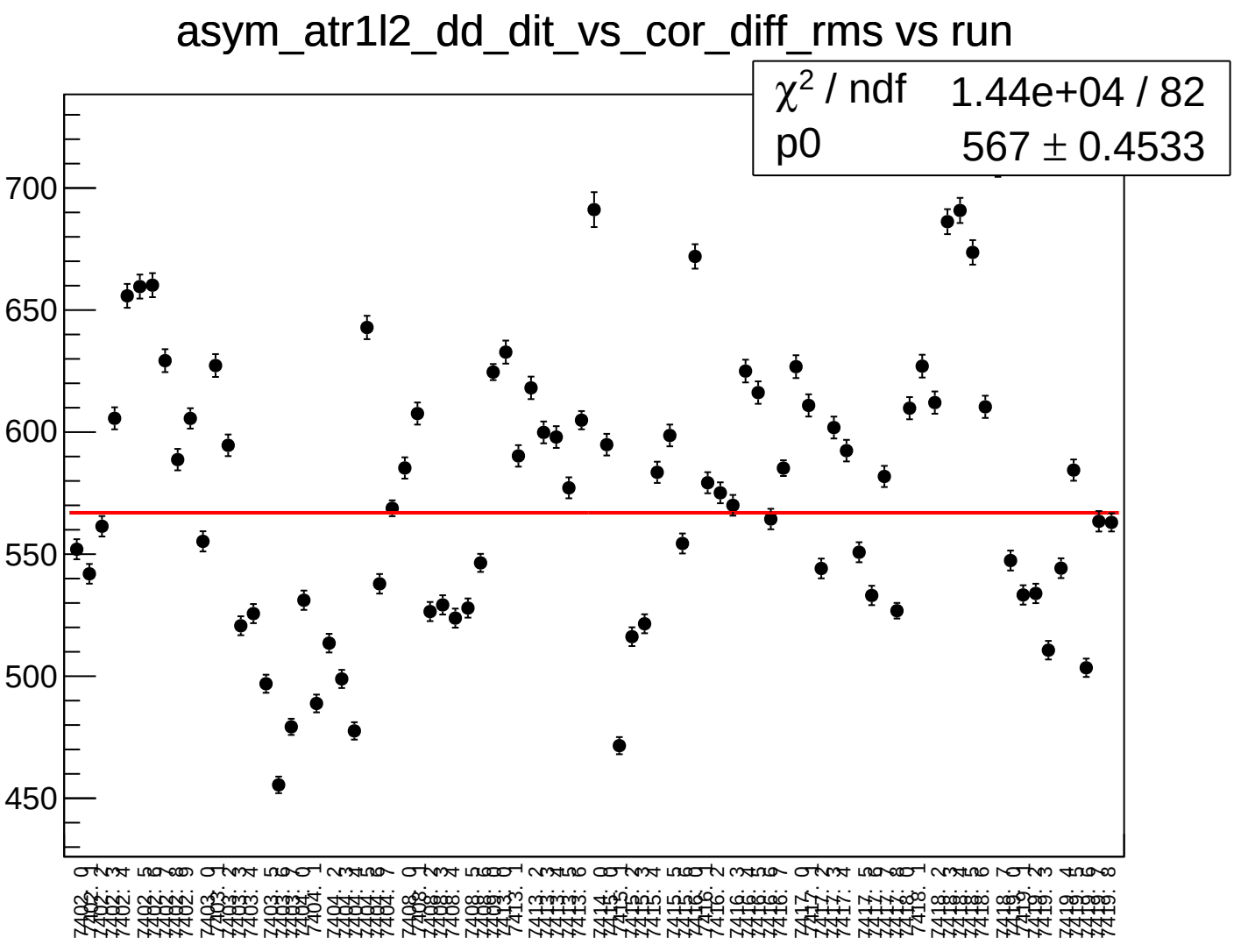

asym_atr1l2_dd_rms vs run
χ² / ndf 2719 / 82
p0 3958 ± 3.153
4600
4400
4200
4000
3800
3600

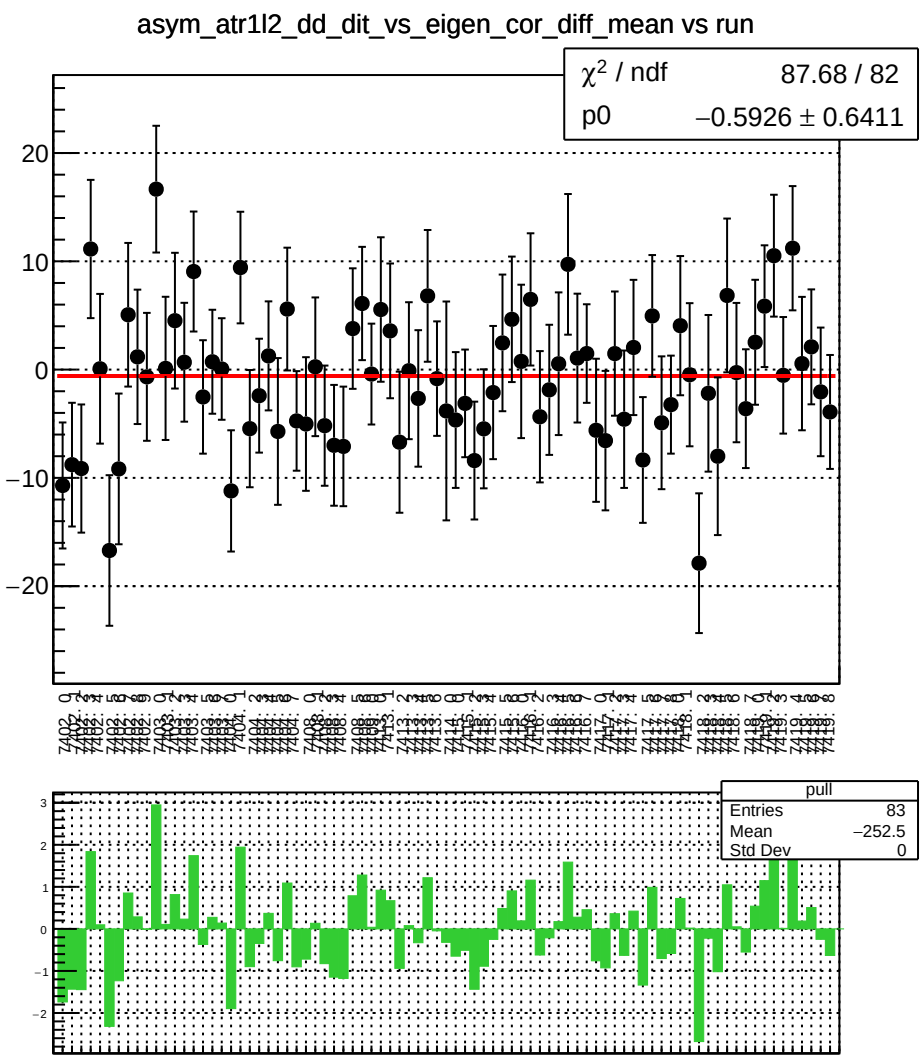

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 85.78 / 82
p0 7.288e−14 ± 6.341e−14
pull
Entries 83
Mean 54.47
Std Dev 14.34
pull1D
Entries 83
Mean 0.1045
Std Dev 1.011

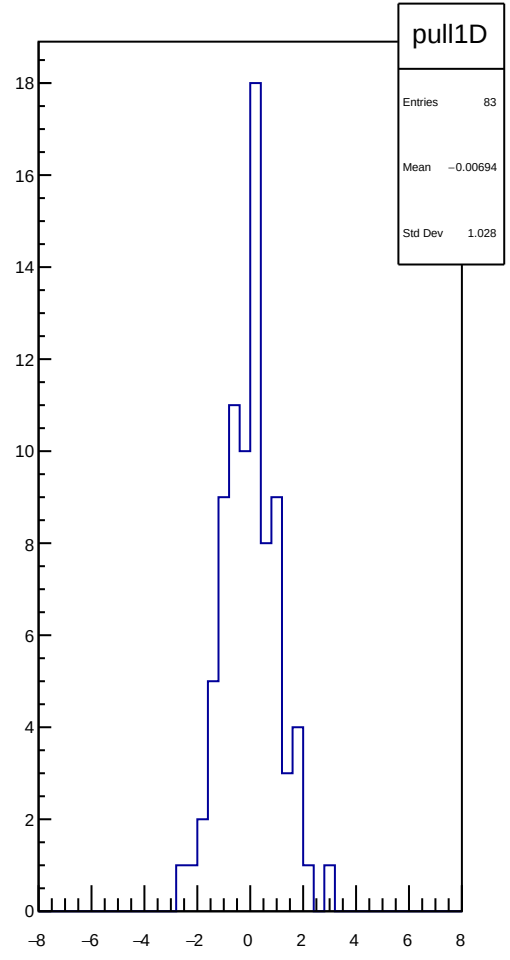

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ^2 / ndf 1.371e+06 / 82
p0 2.042e−11 ± 4.484e−14
2.5
2
1.5
1
0.5
0

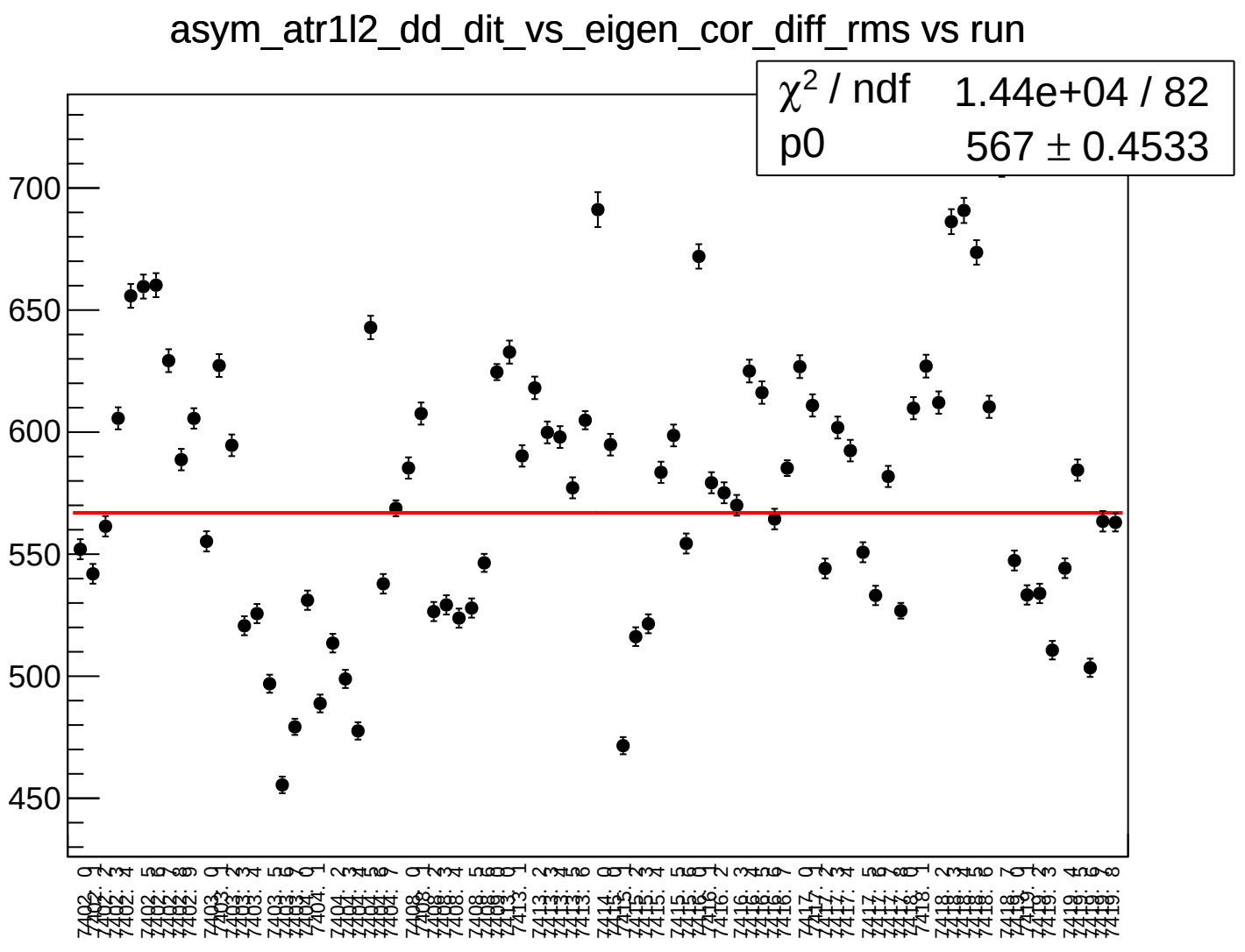

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 87.68 / 82
p0 −0.5926 ± 0.6411
pull
Entries 83
Mean −252.5
Std Dev 0

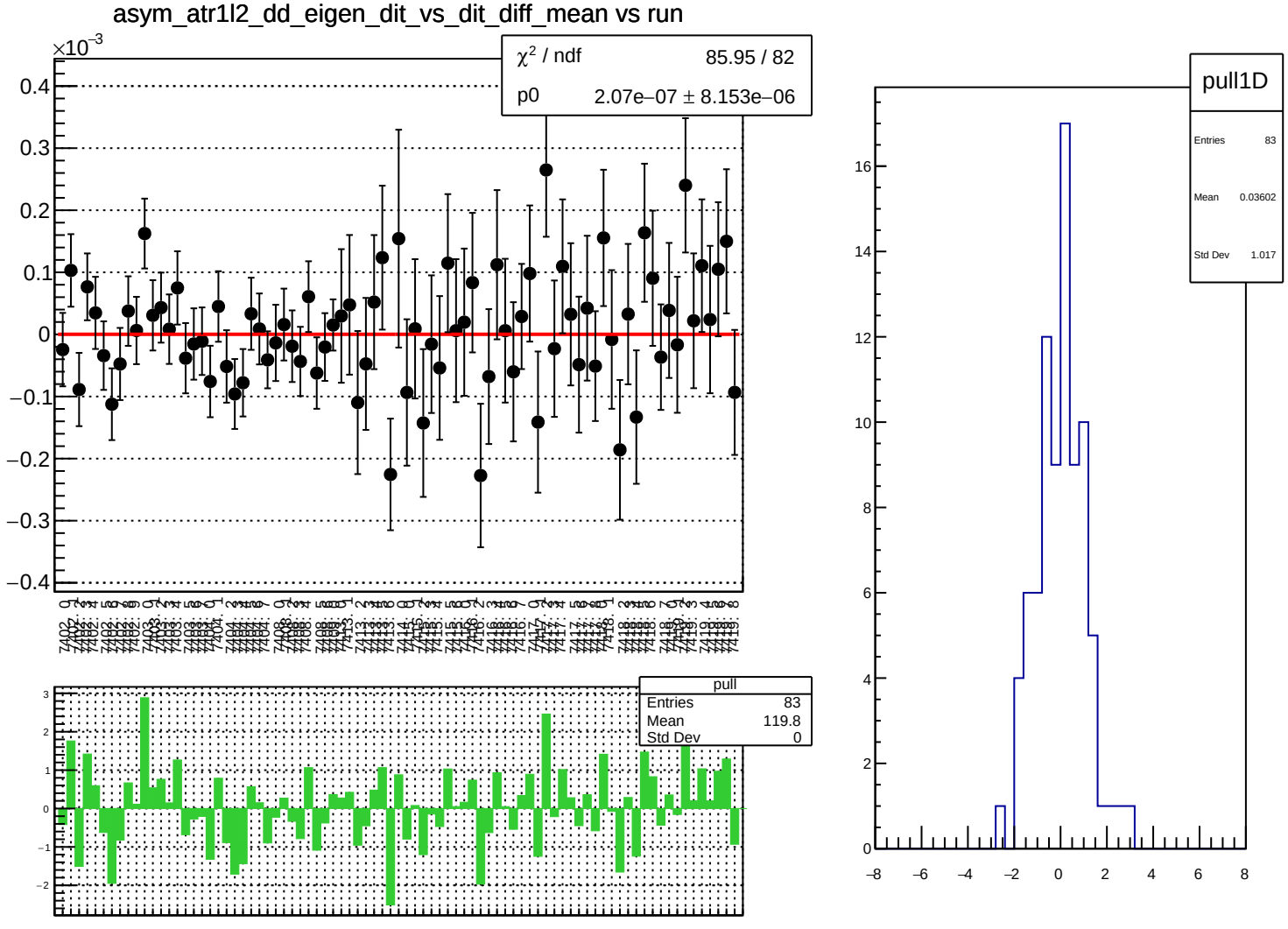

pull1D
Entries 83
Mean −0.00694
Std Dev 1.028

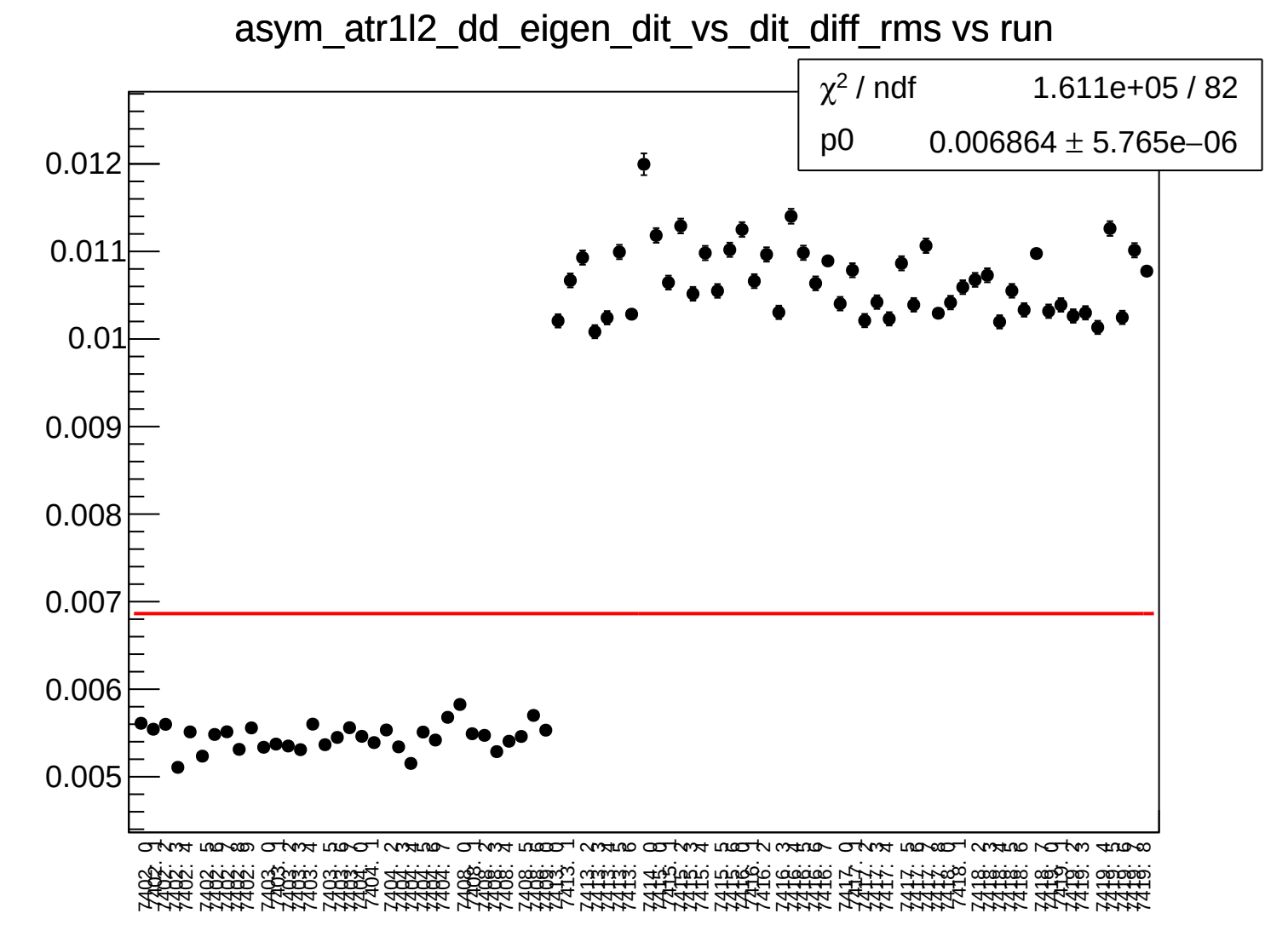

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.44e+04 / 82
p0 567 ± 0.4533
700
650
600
550
500
450

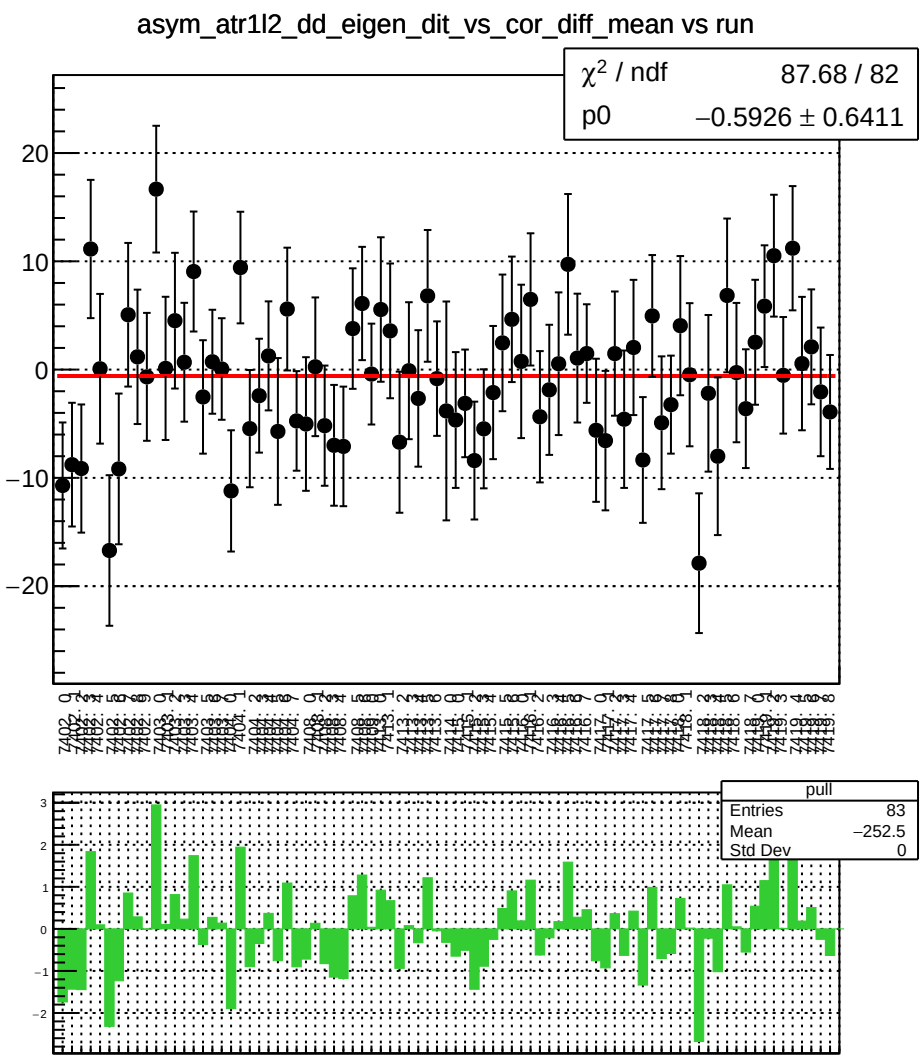

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.68 / 82
p0 −0.5926 ± 0.6411
pull
Entries 83
Mean −252.5
Std Dev 0

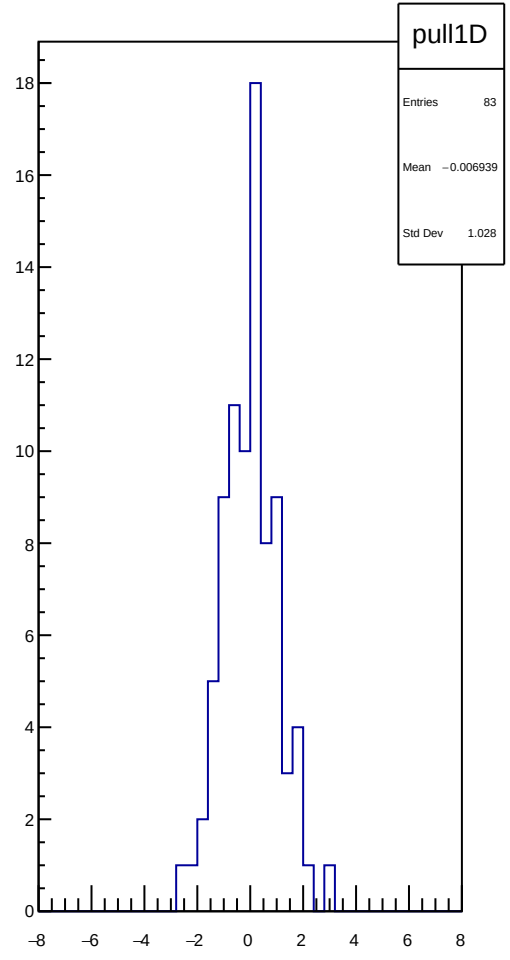

pull1D
Entries 83
Mean −0.00694
Std Dev 1.028

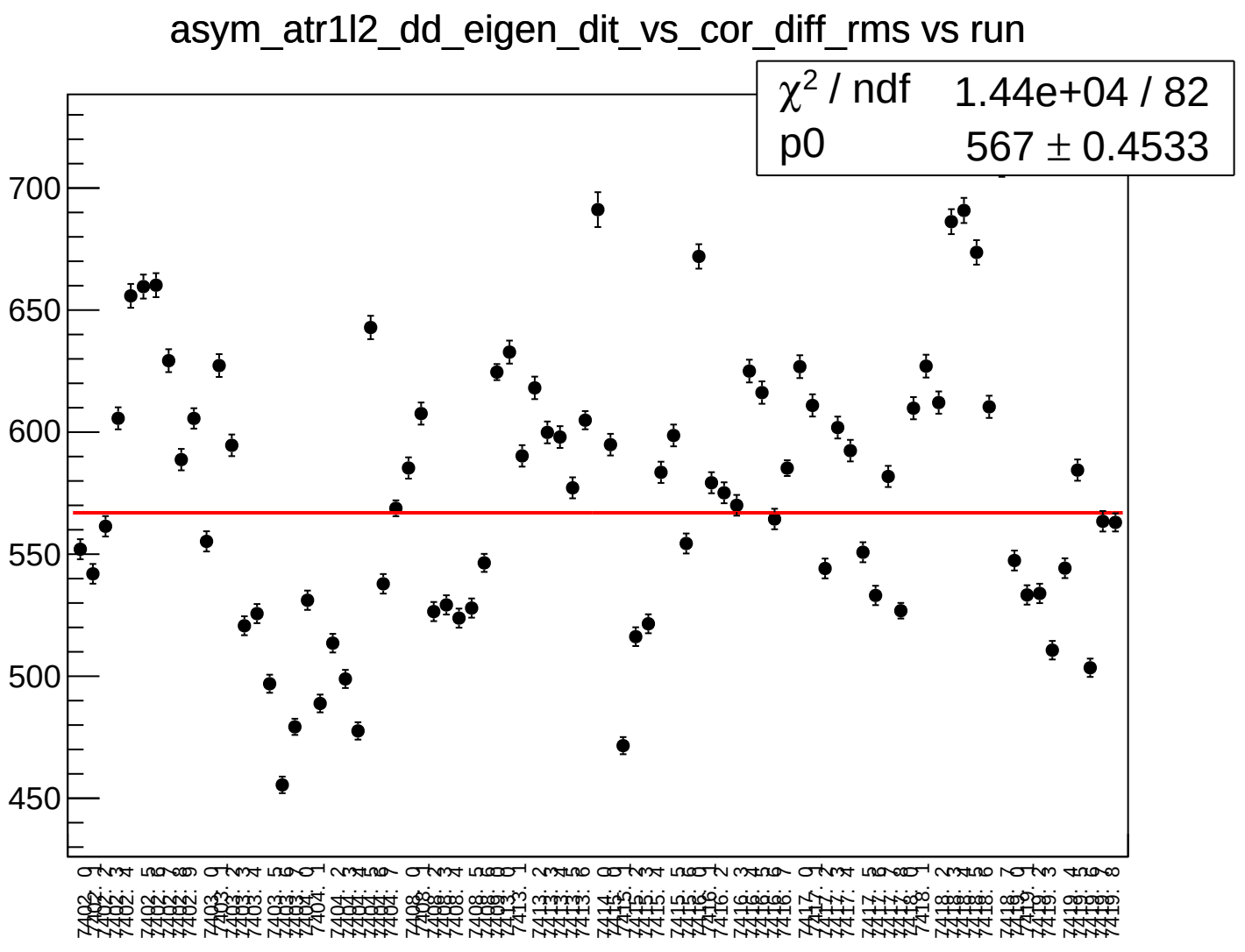

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.44e+04 / 82
p0 567 ± 0.4533
700
650
600
550
500
450

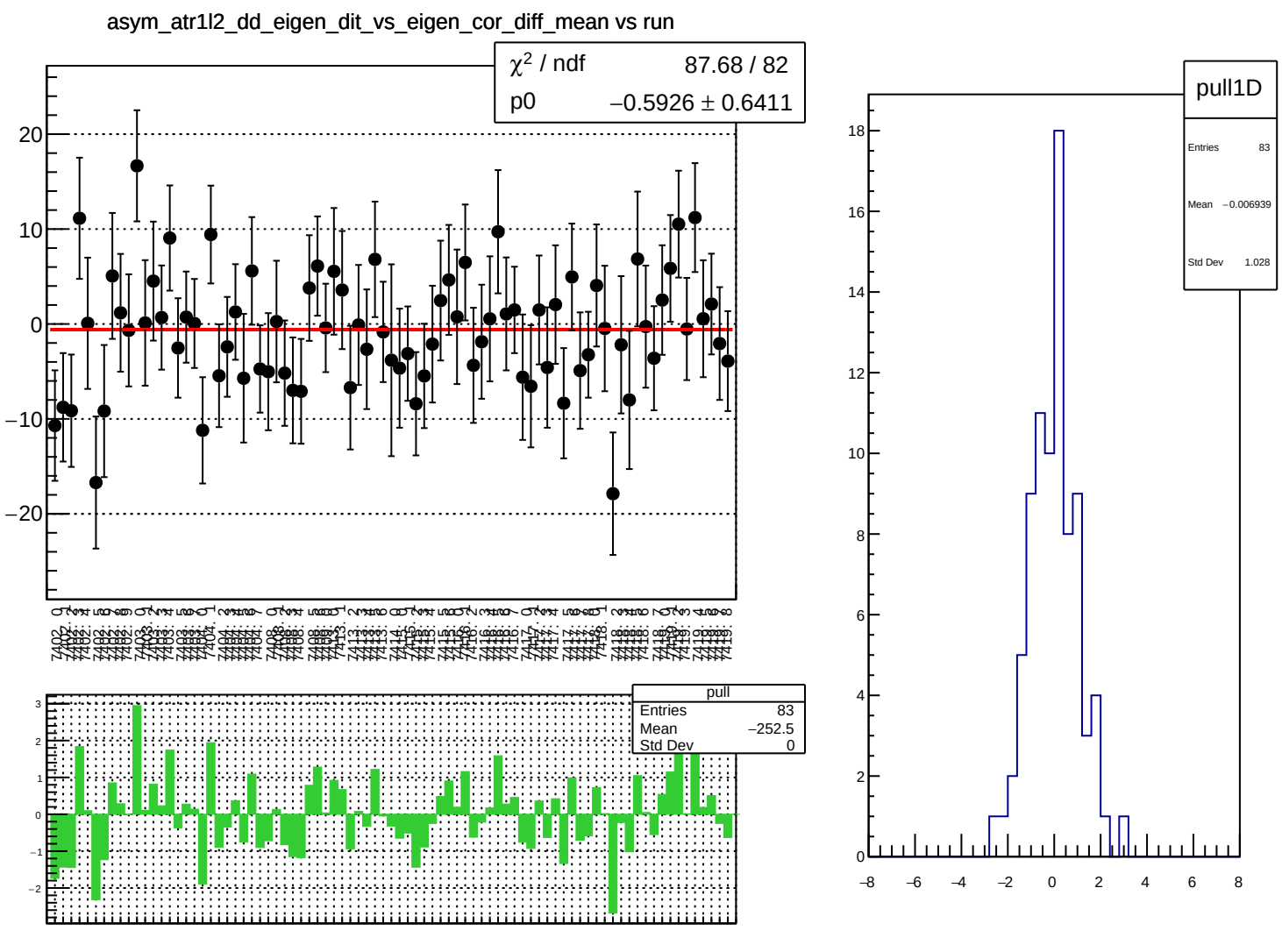

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.95 / 82
p0 2.07e−07 ± 8.153e−06
pull
Entries 83
Mean 119.8
Std Dev 0
pull1D
Entries 83
Mean 0.03602
Std Dev 1.017

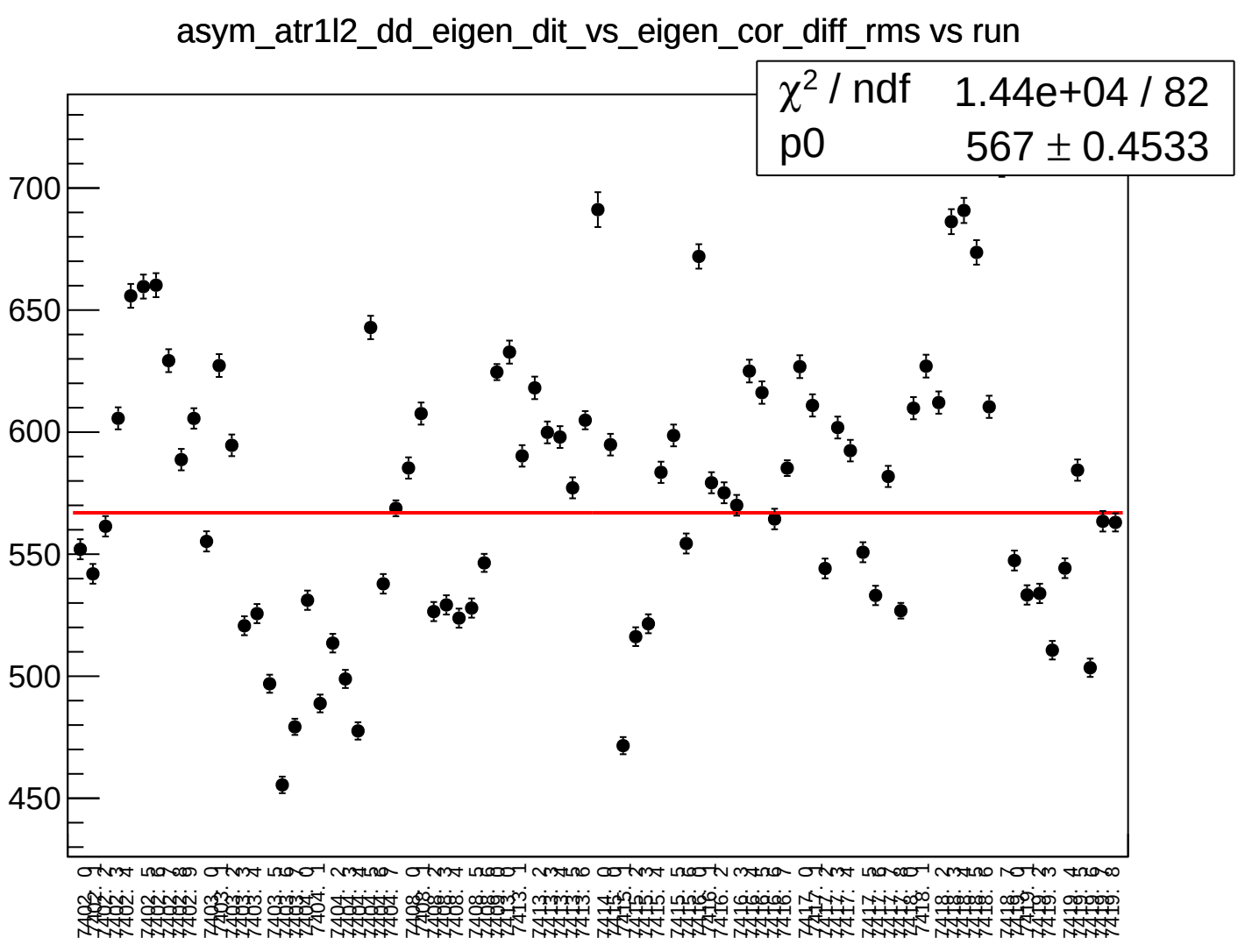

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.611e+05 / 82
p0 0.006864 ± 5.765e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

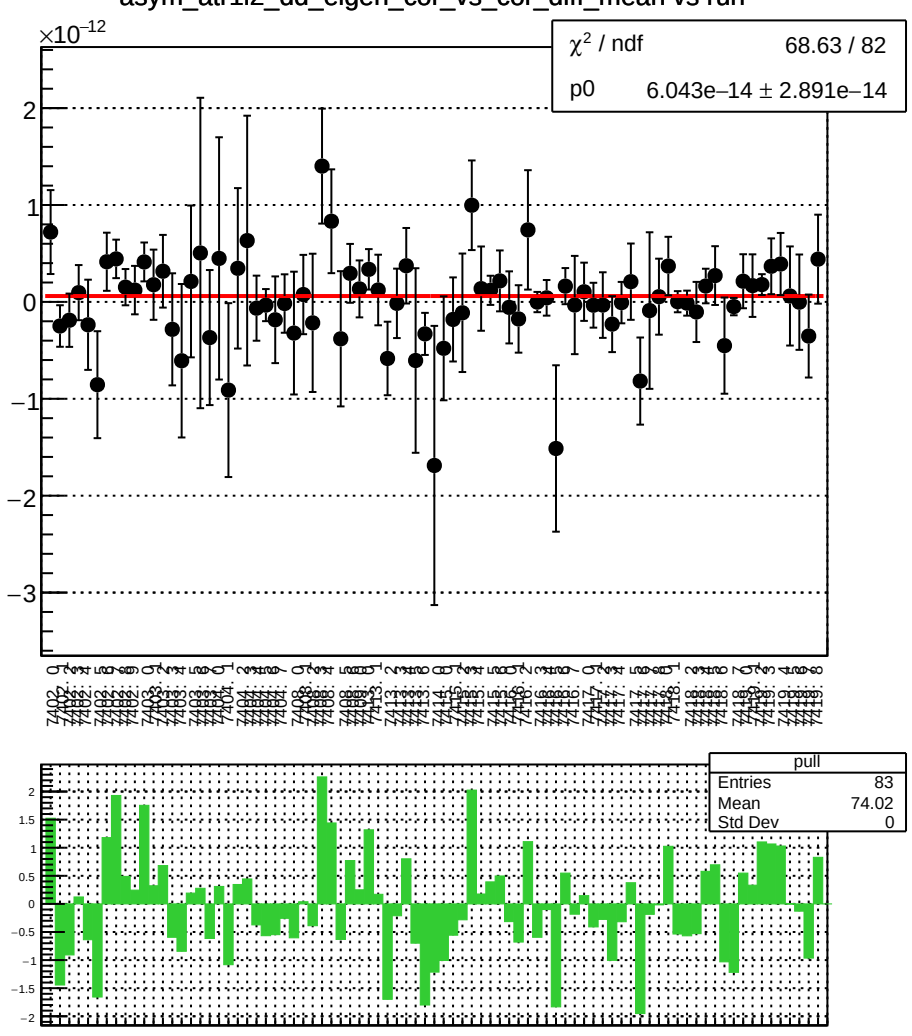

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.68 / 82
p0 −0.5926 ± 0.6411
pull
Entries 83
Mean −252.5
Std Dev 0

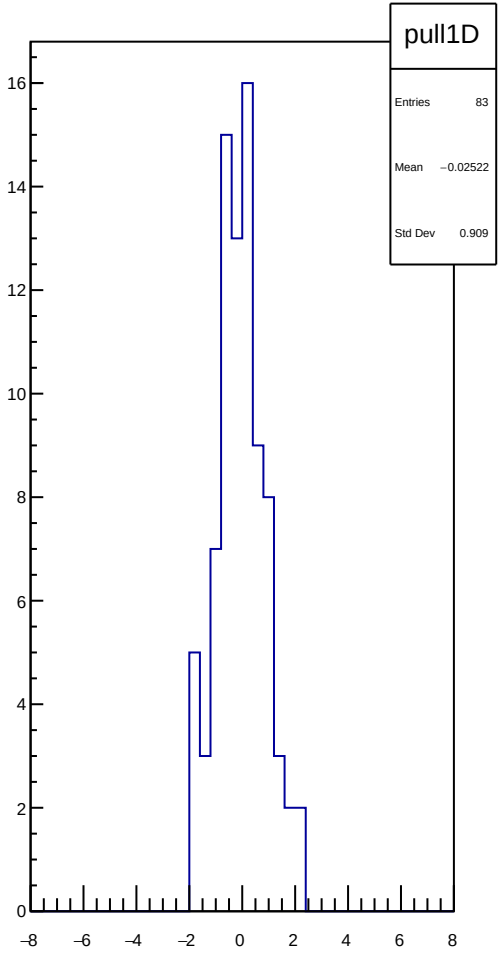

pull1D
Entries 83
Mean −0.006939
Std Dev 1.028

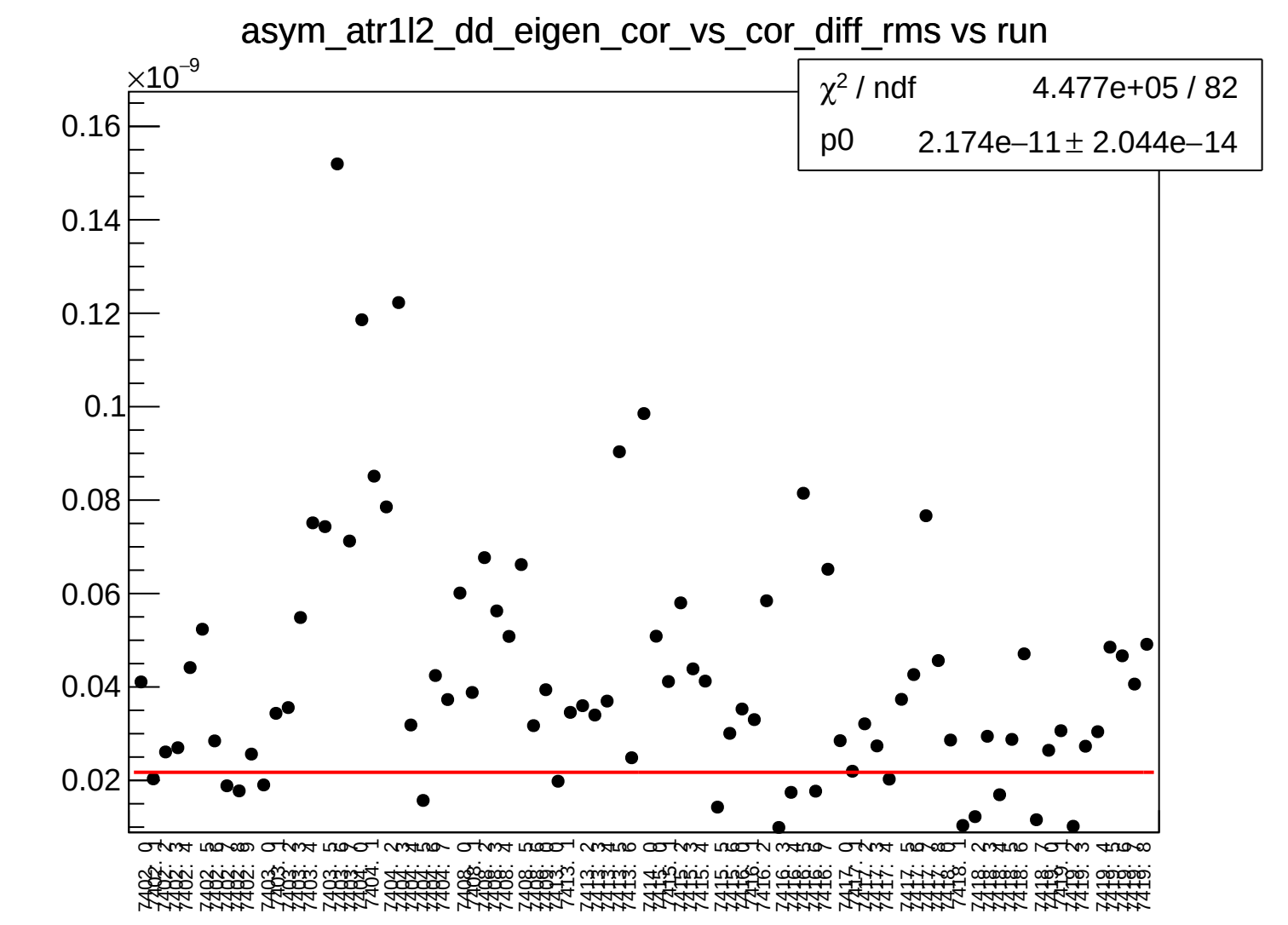

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.44e+04 / 82
p0 567 ± 0.4533
700
650
600
550
500
450

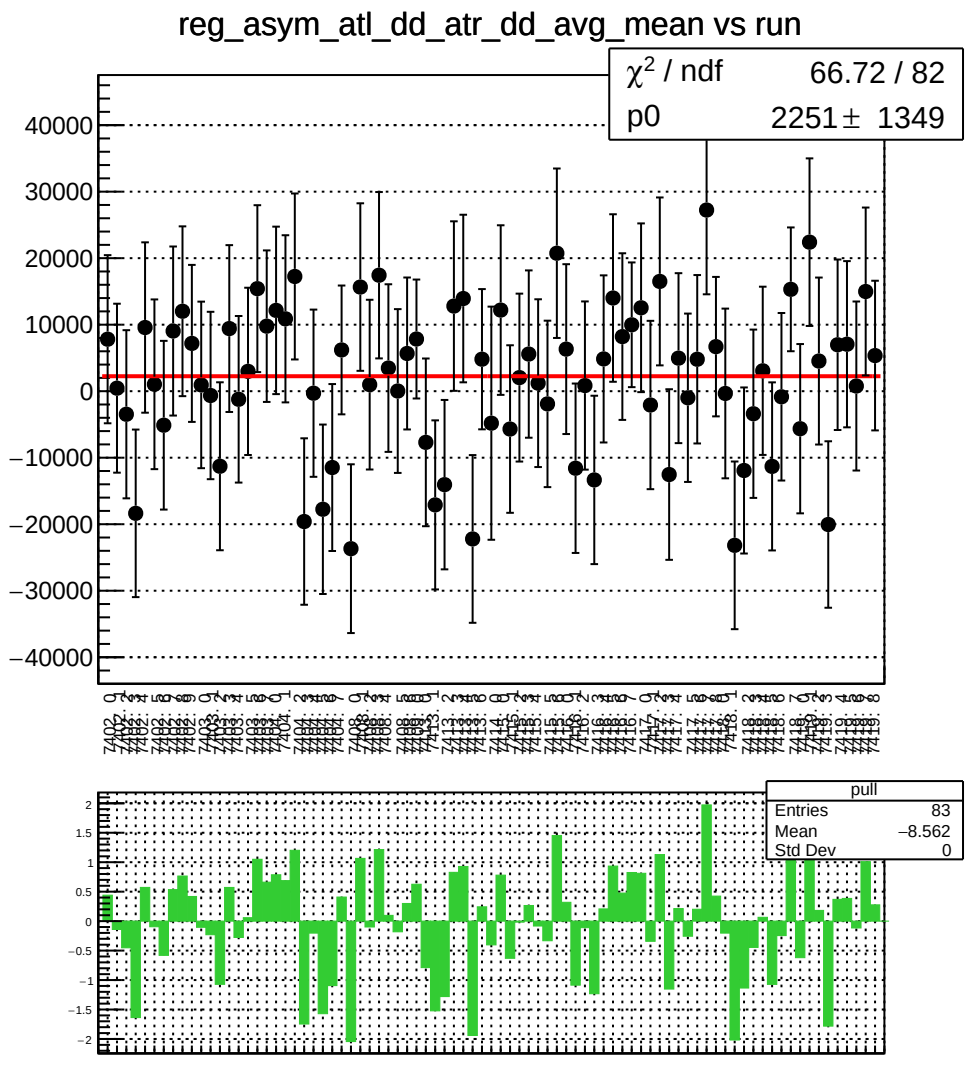

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.68 / 82
p0 −0.5926 ± 0.6411
pull
Entries 83
Mean −252.5
Std Dev 0
pull1D
Entries 83
Mean −0.006939
Std Dev 1.028

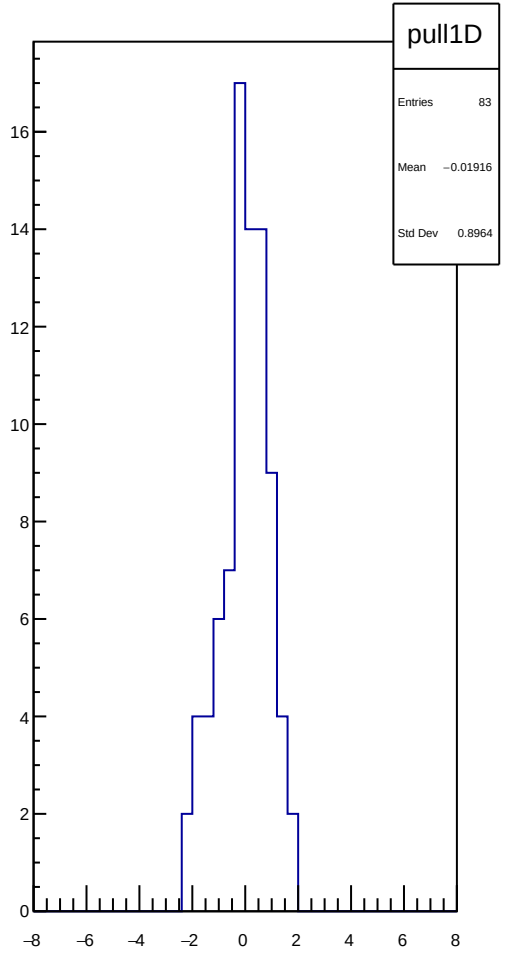

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.44e+04 / 82
p0 567 ± 0.4533
700
650
600
550
500
450

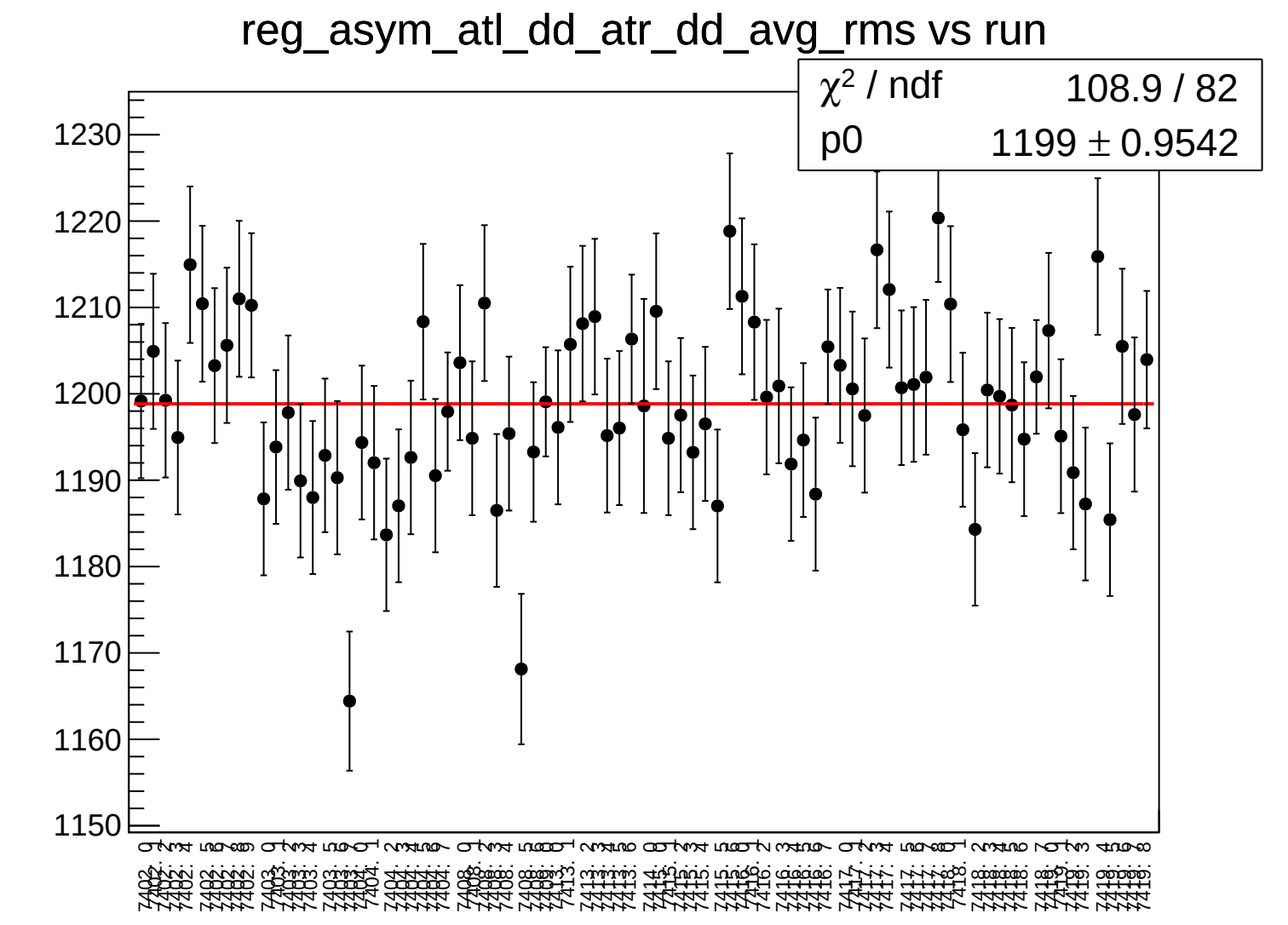

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.63 / 82
p0 6.043e−14 ± 2.891e−14
pull
Entries 83
Mean 74.02
Std Dev 0

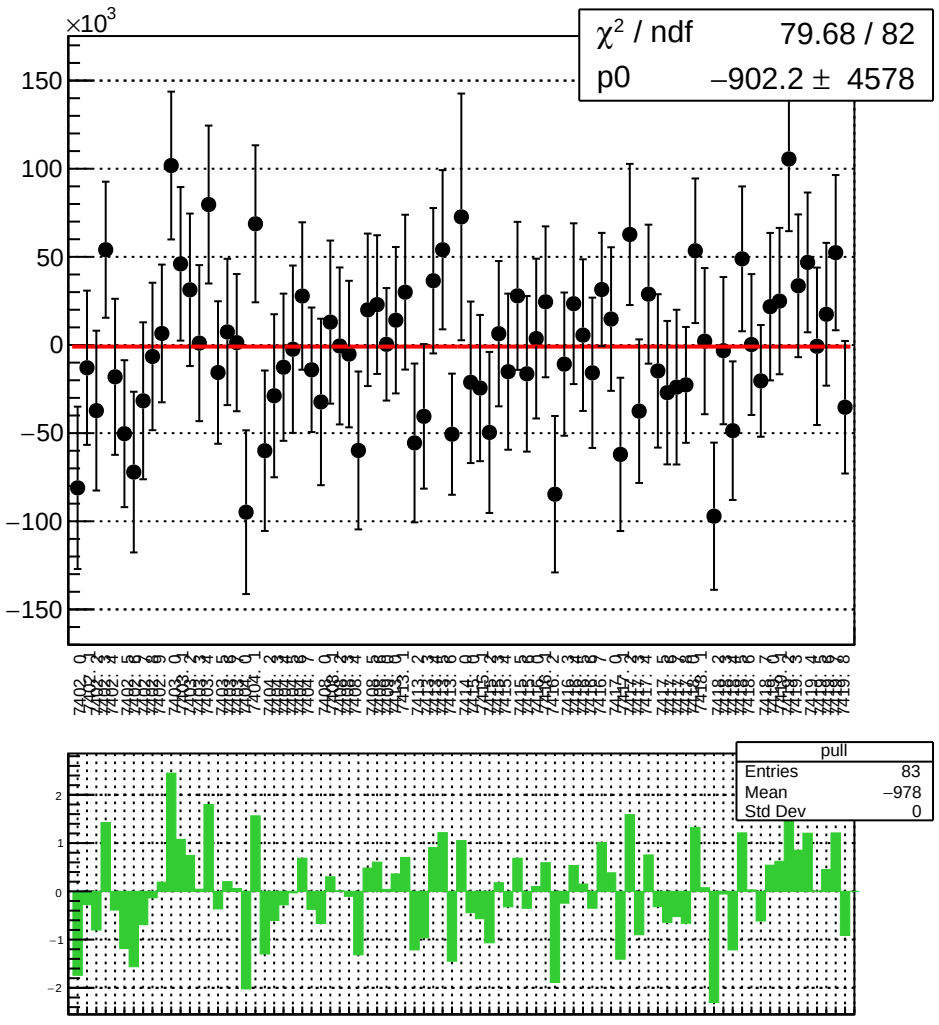

pull1D
Entries 83
Mean −0.02522
Std Dev 0.909

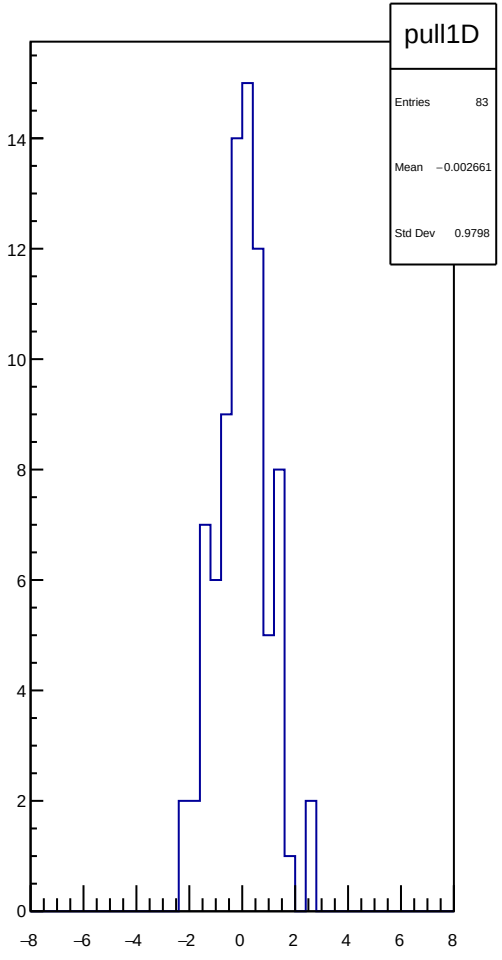

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.477e+05 / 82
p0 2.174e−11 ± 2.044e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

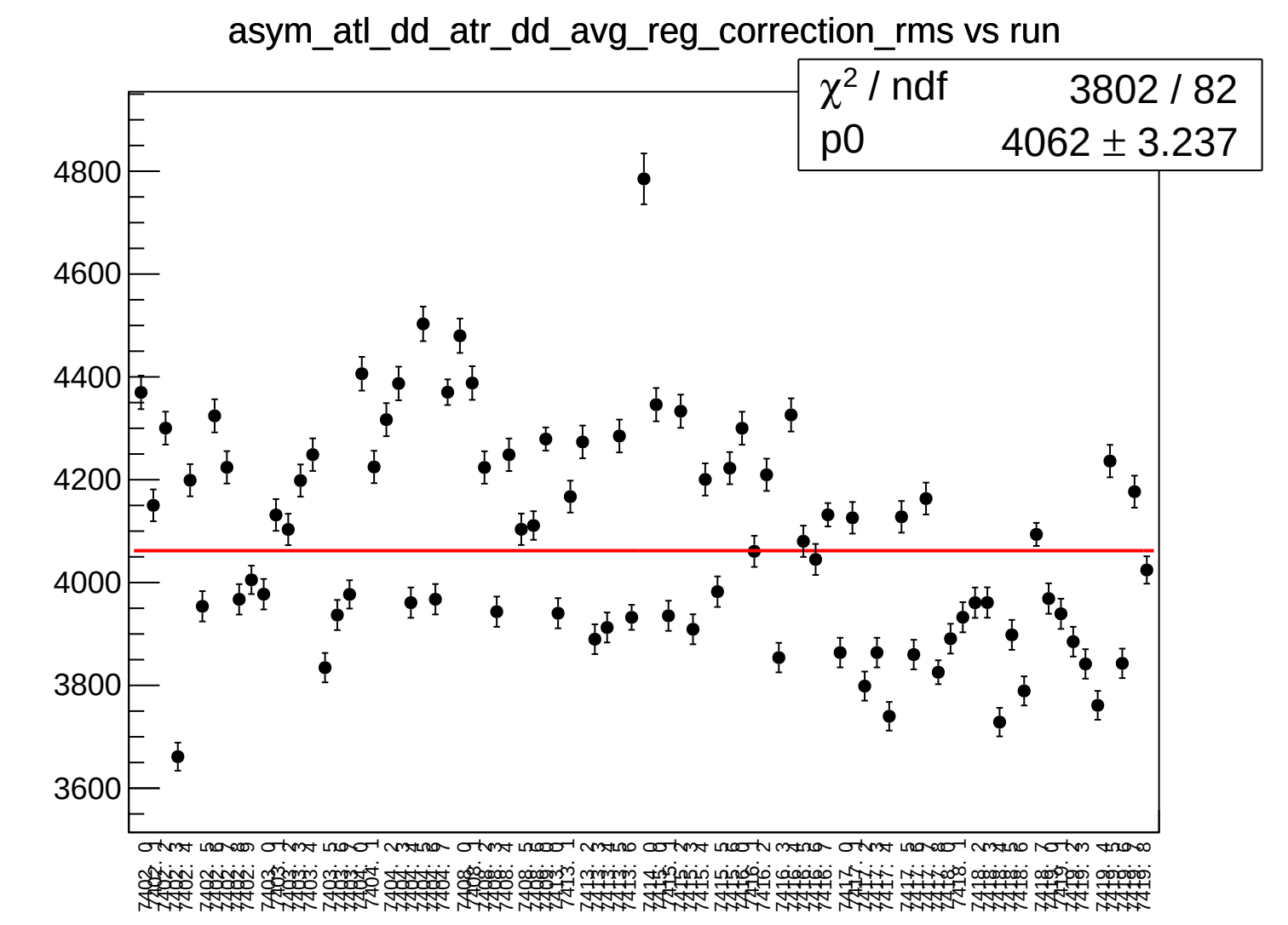

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.72 / 82
p0 2251 ± 1349
pull
Entries 83
Mean −8.562
Std Dev 0

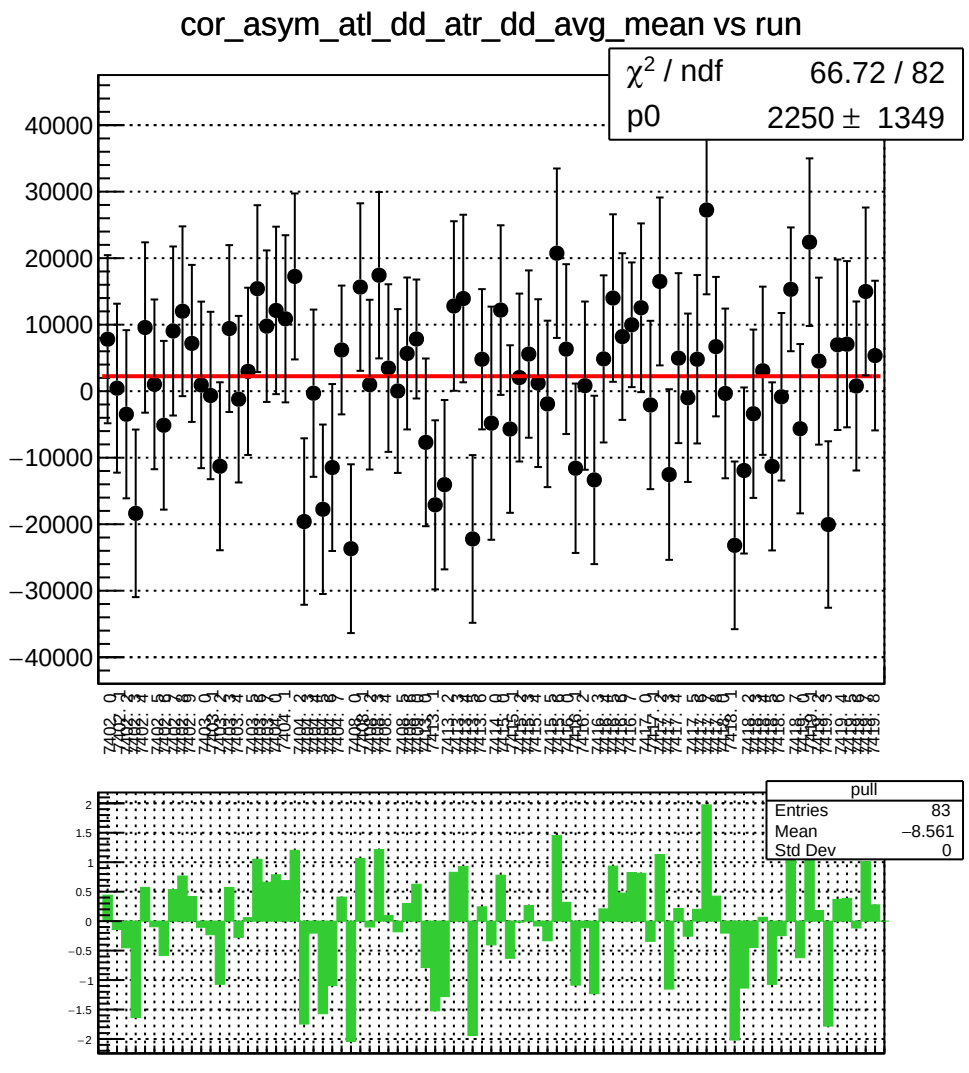

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964

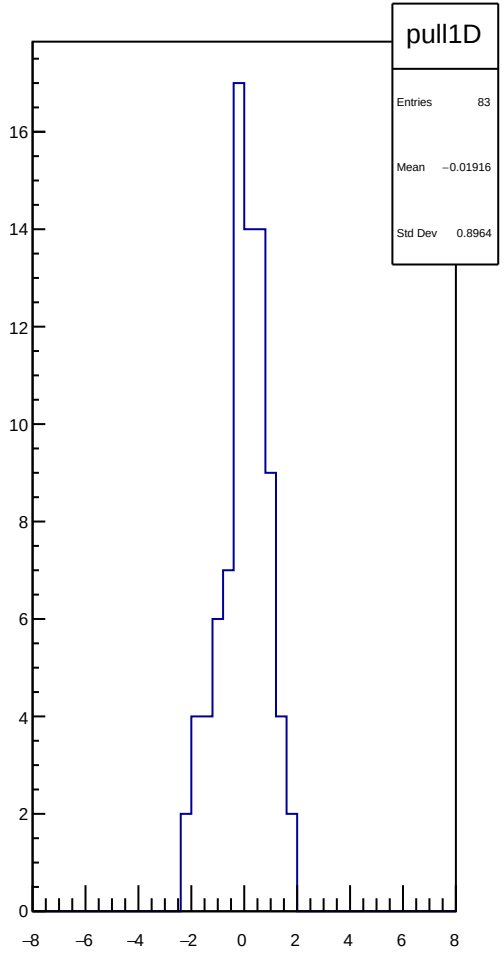

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

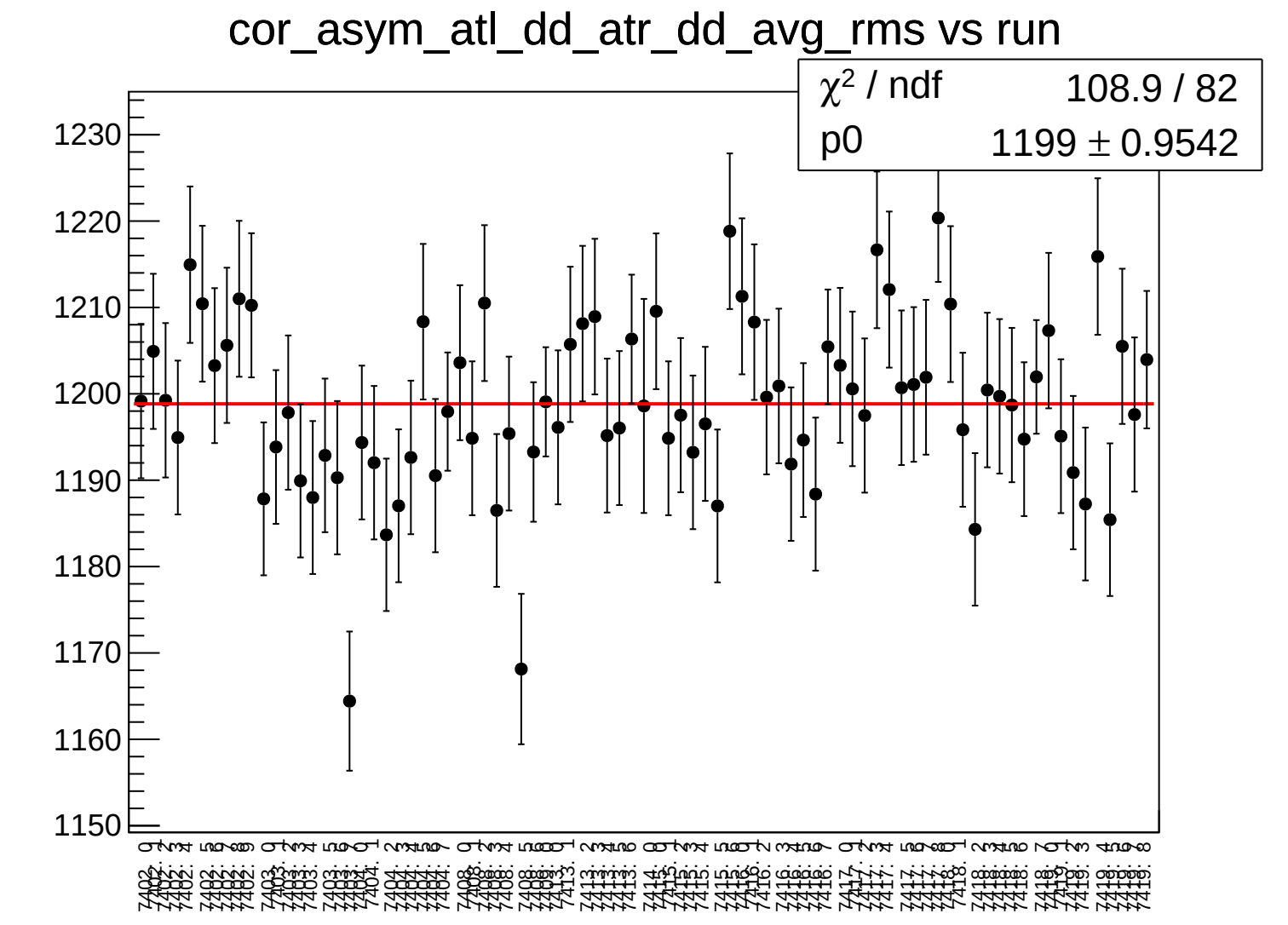

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −978
Std Dev 0
2
1
0
−1
−2

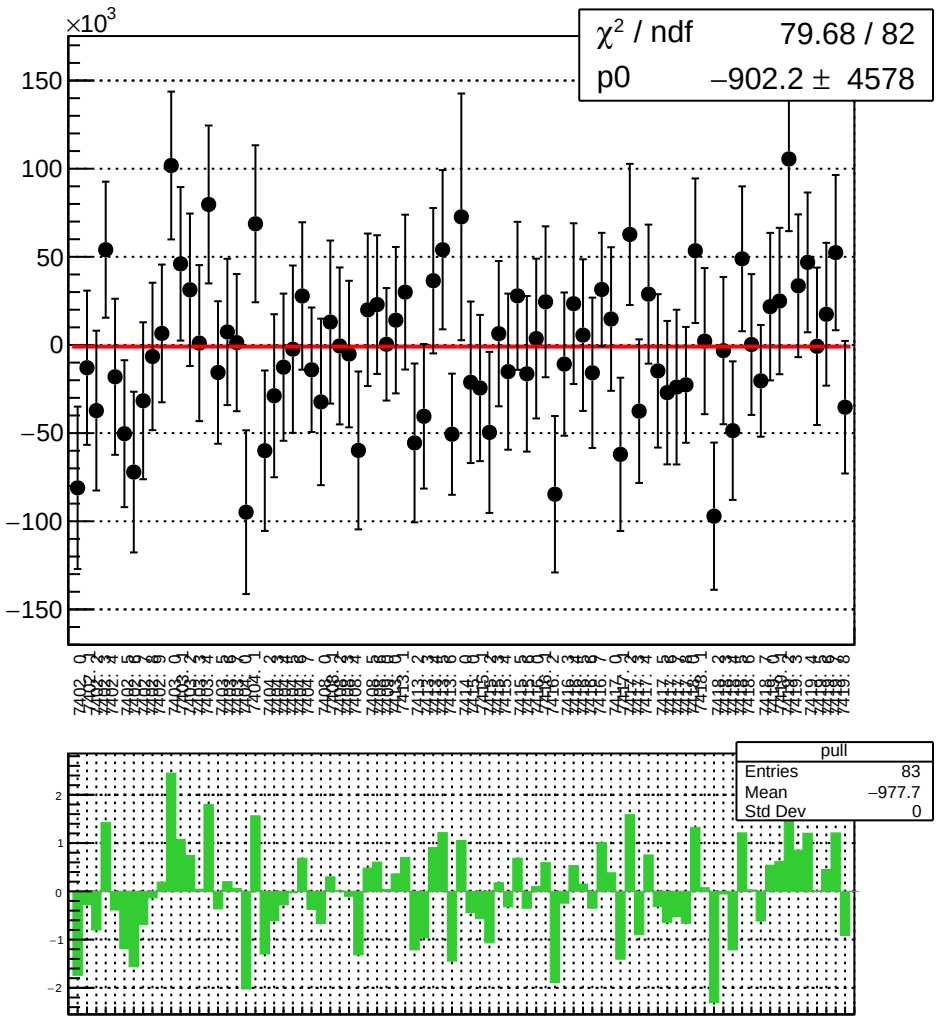

pull1D
Entries 83
Mean −0.002661
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

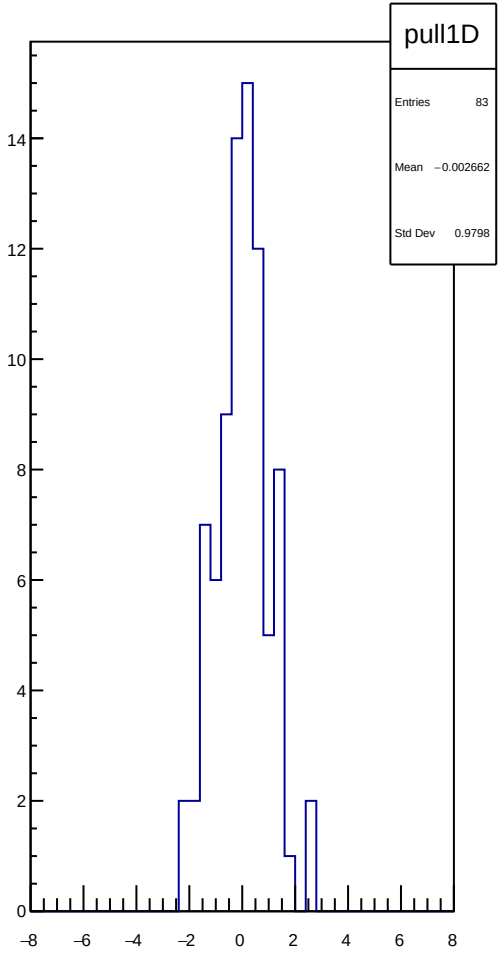

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 3802 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

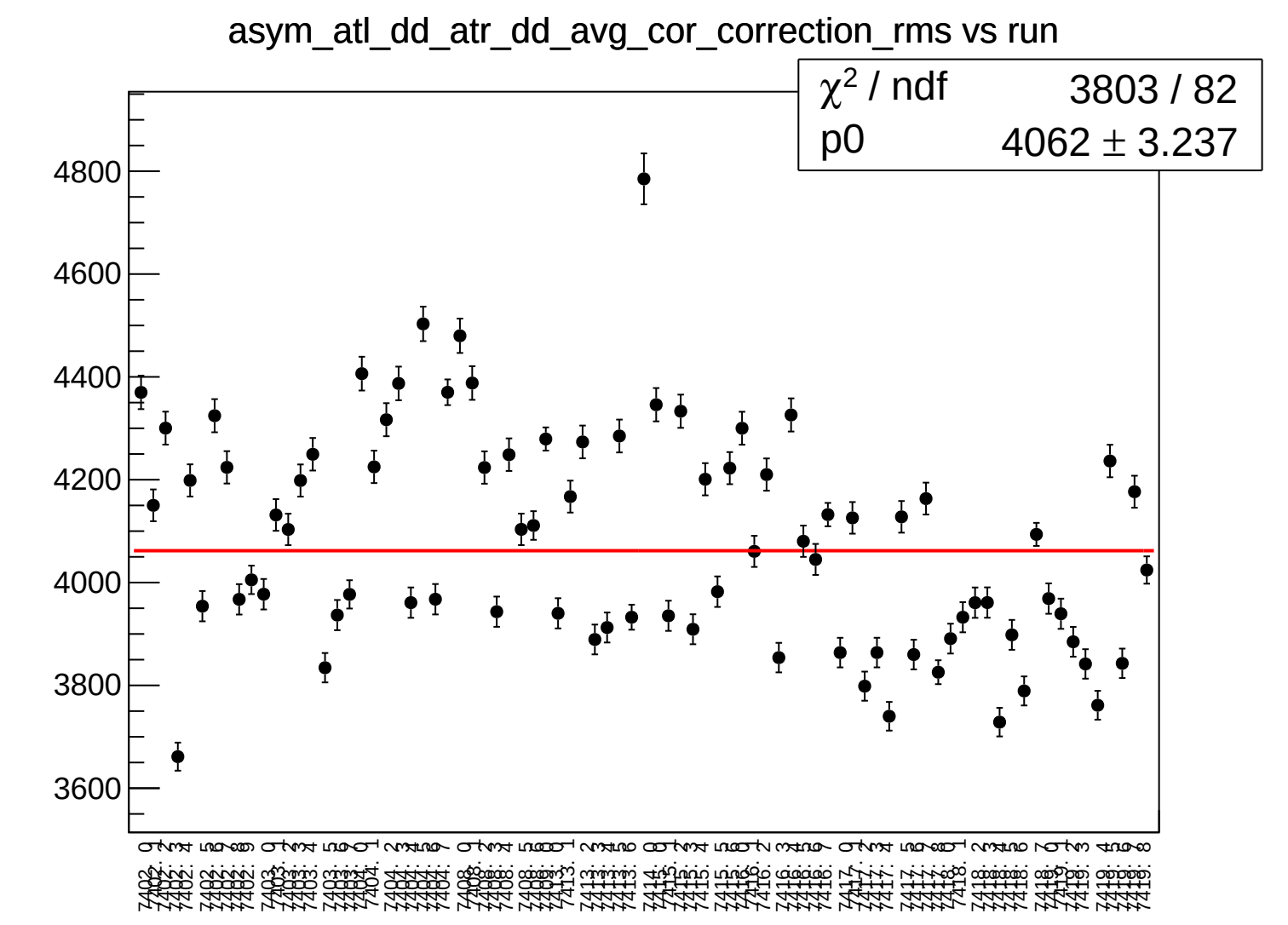

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.72 / 82
p0 2250 ± 1349
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −8.561
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

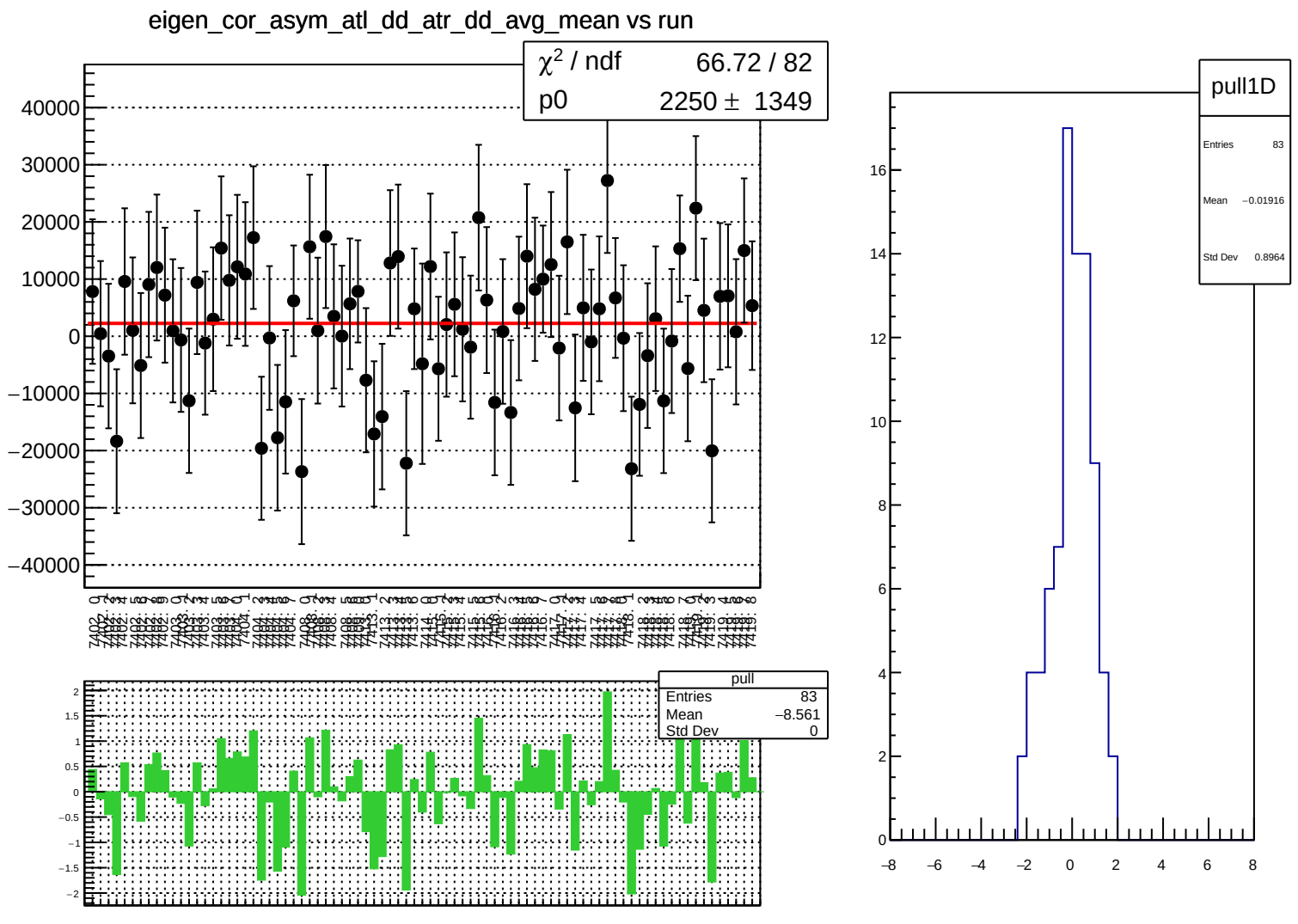

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

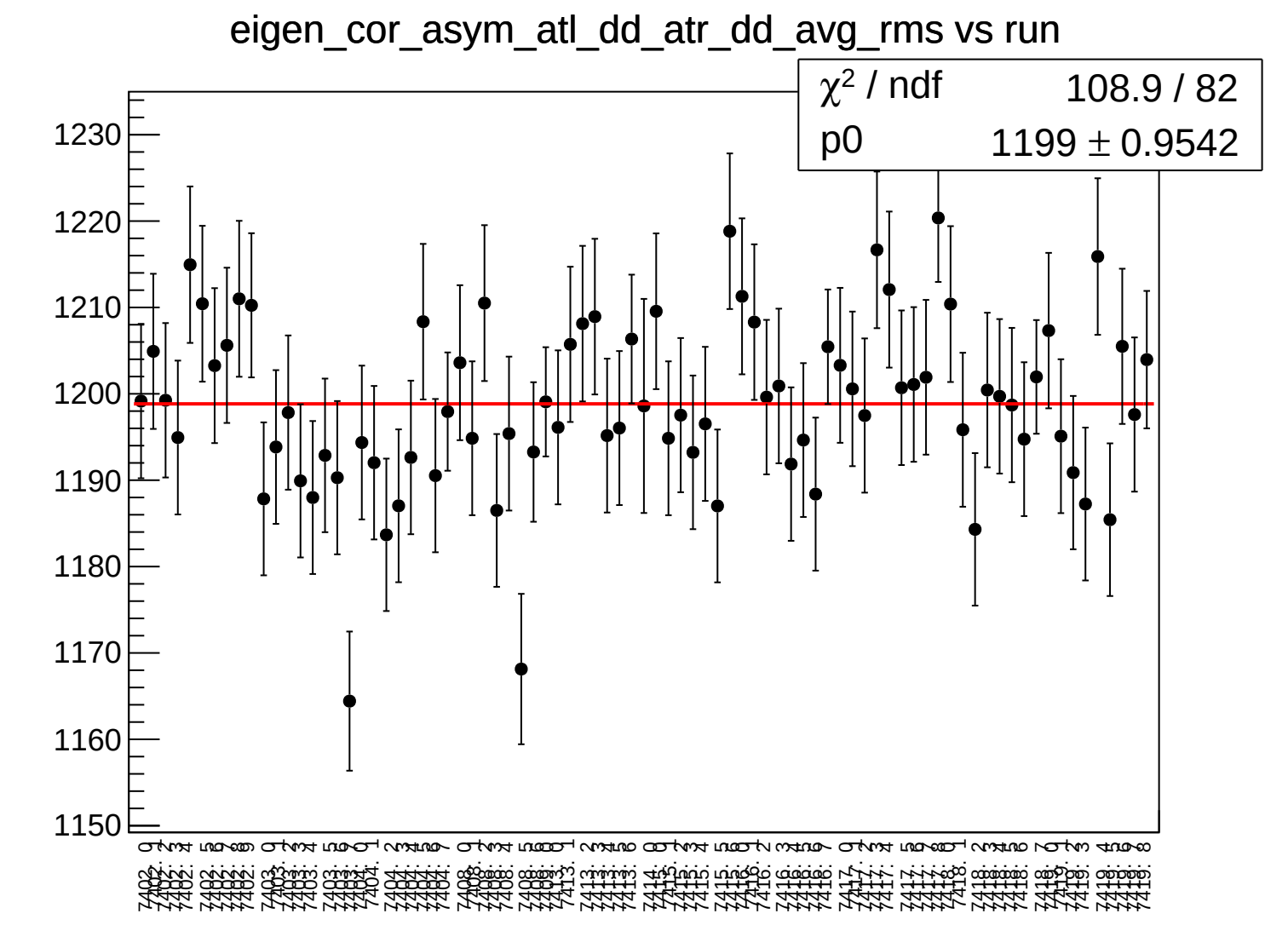

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

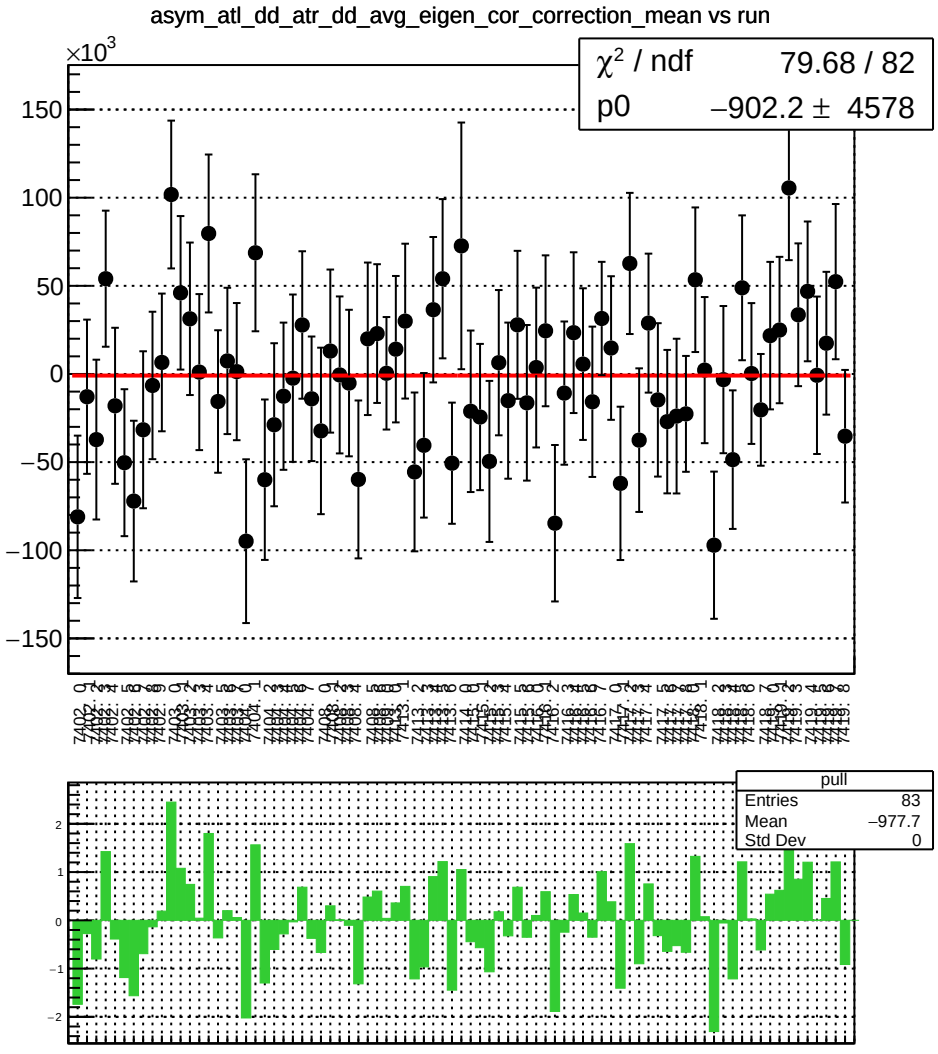

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −977.7
Std Dev 0
2
1
0
−1
−2

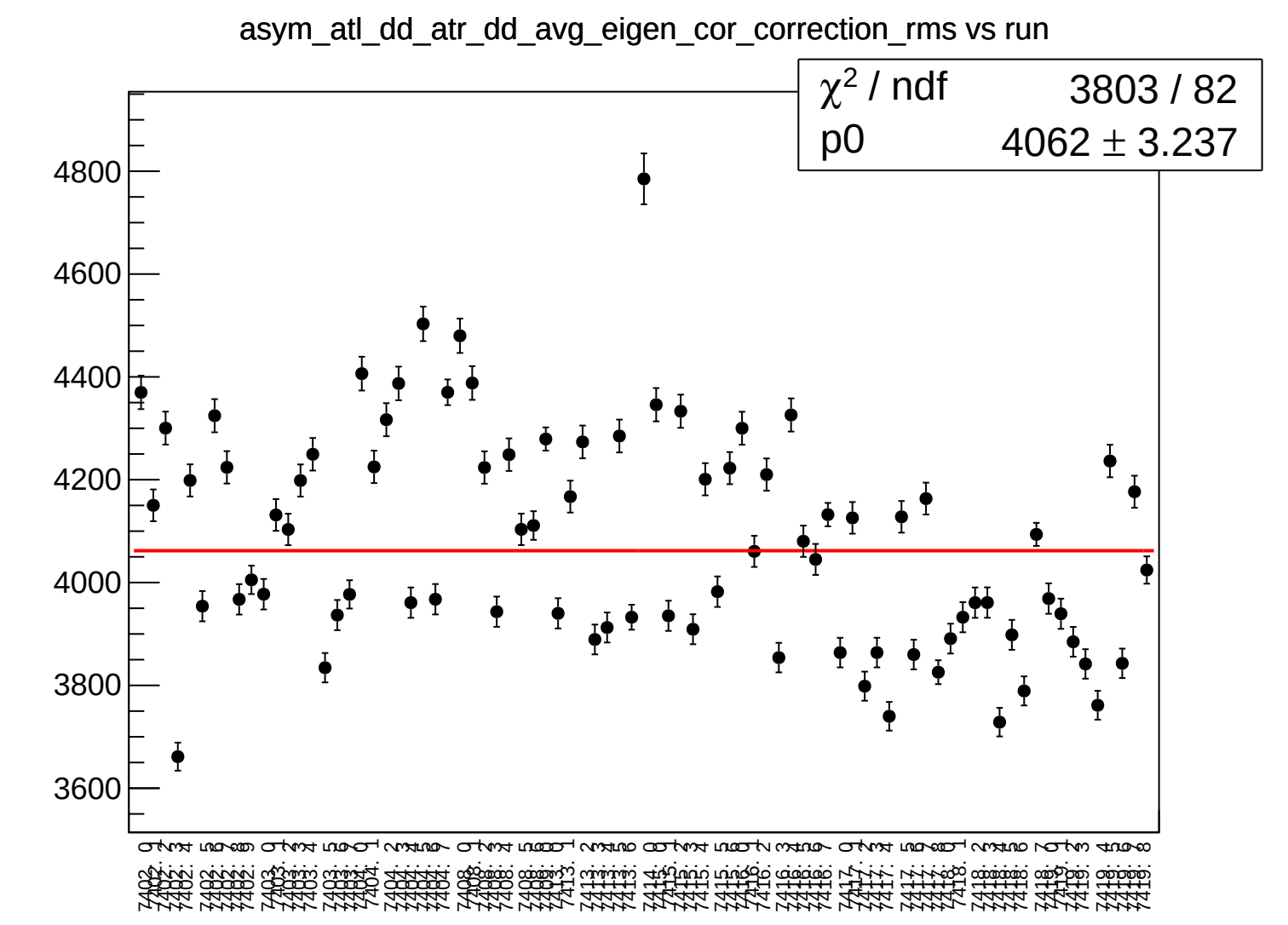

pull1D
Entries 83
Mean −0.002662
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

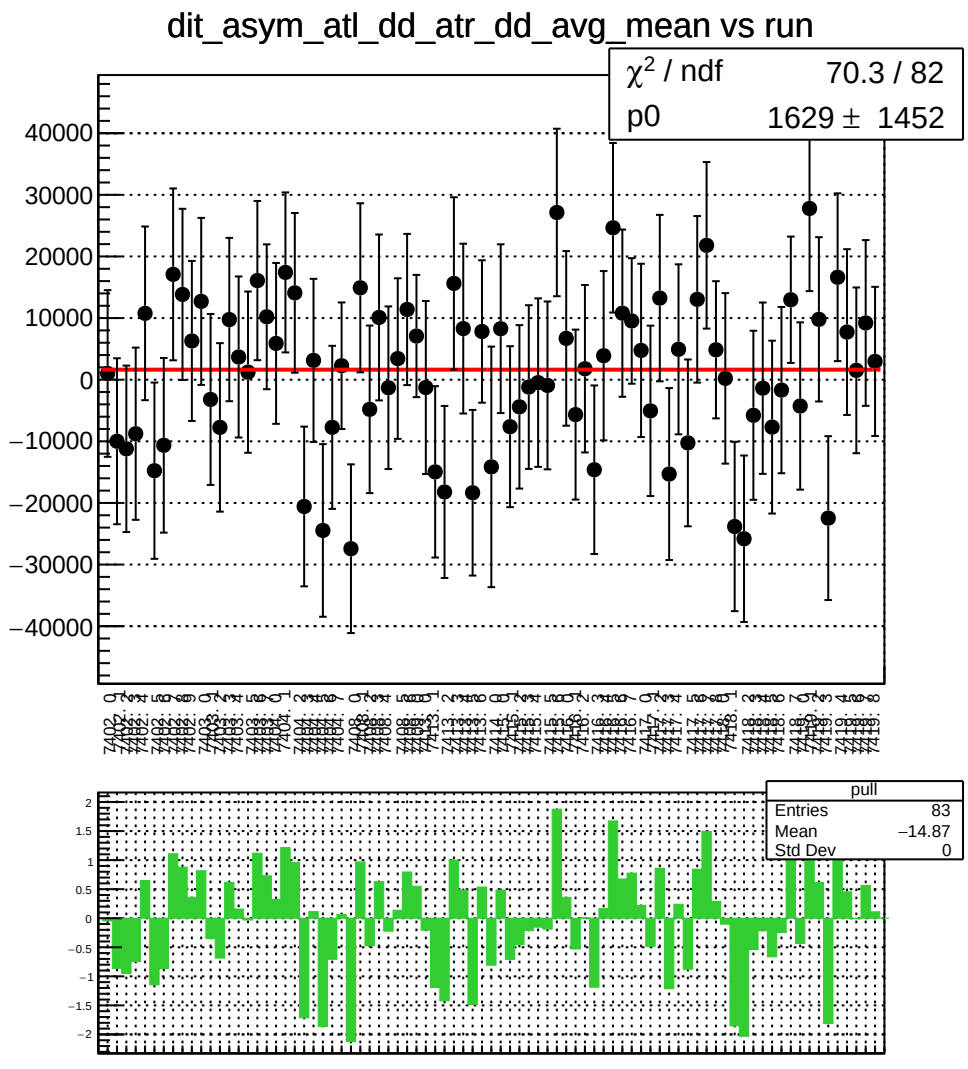

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 3803 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

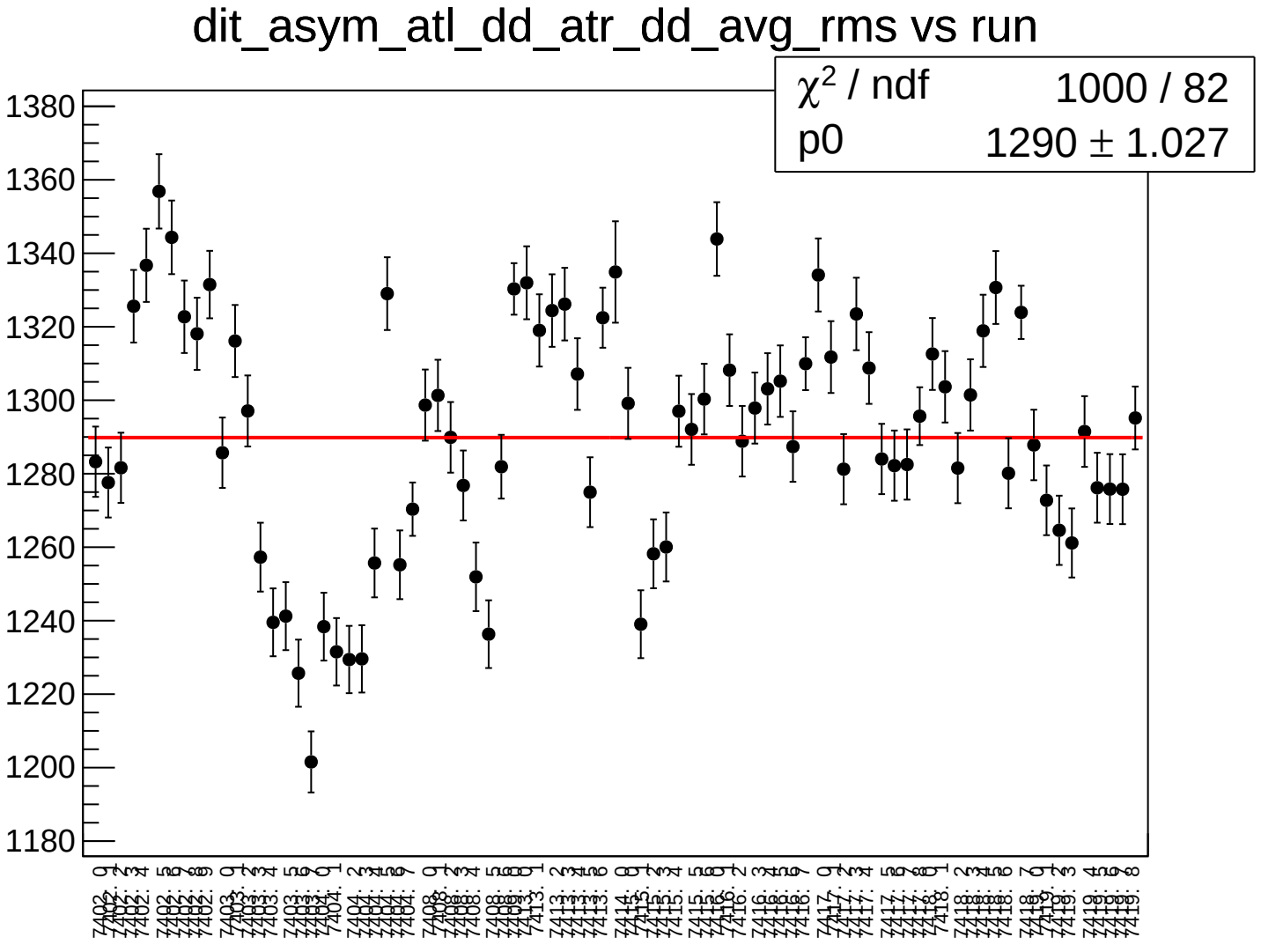

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 66.72 / 82
p0 2250 ± 1349
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −8.561
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

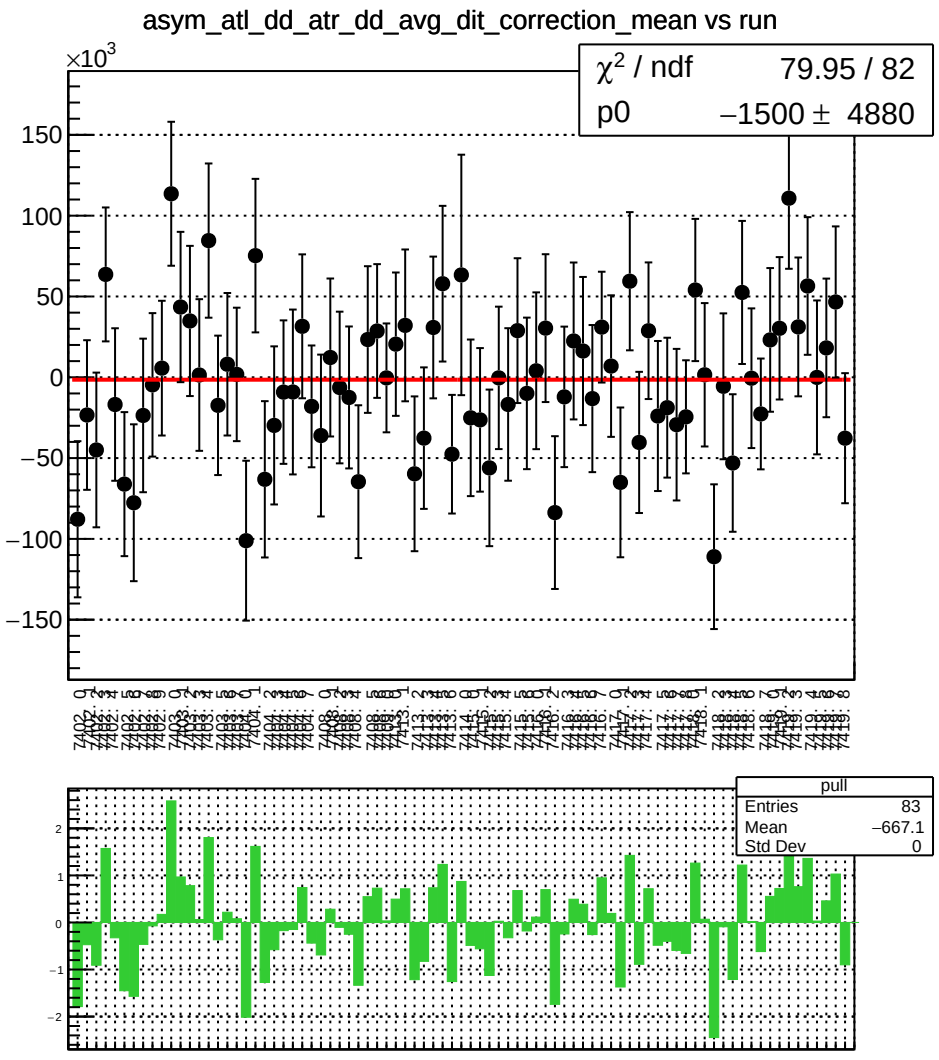

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

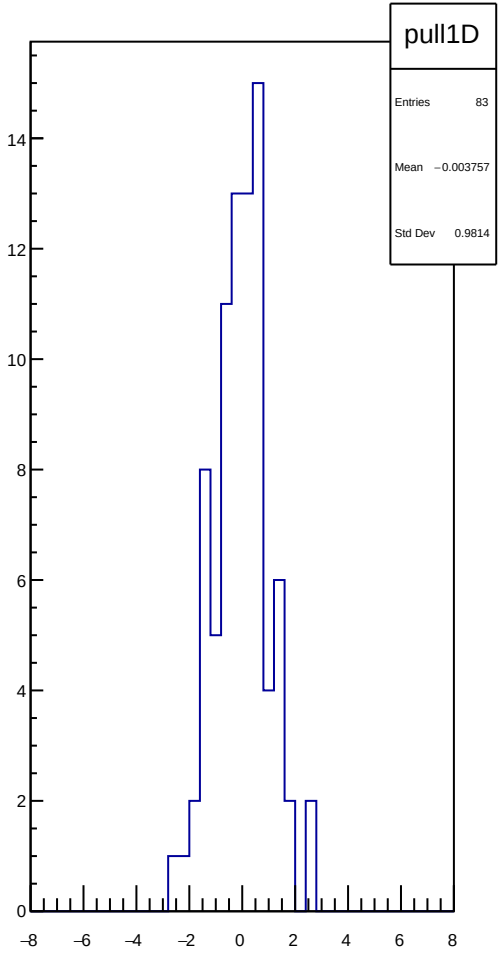

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −977.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.002662
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

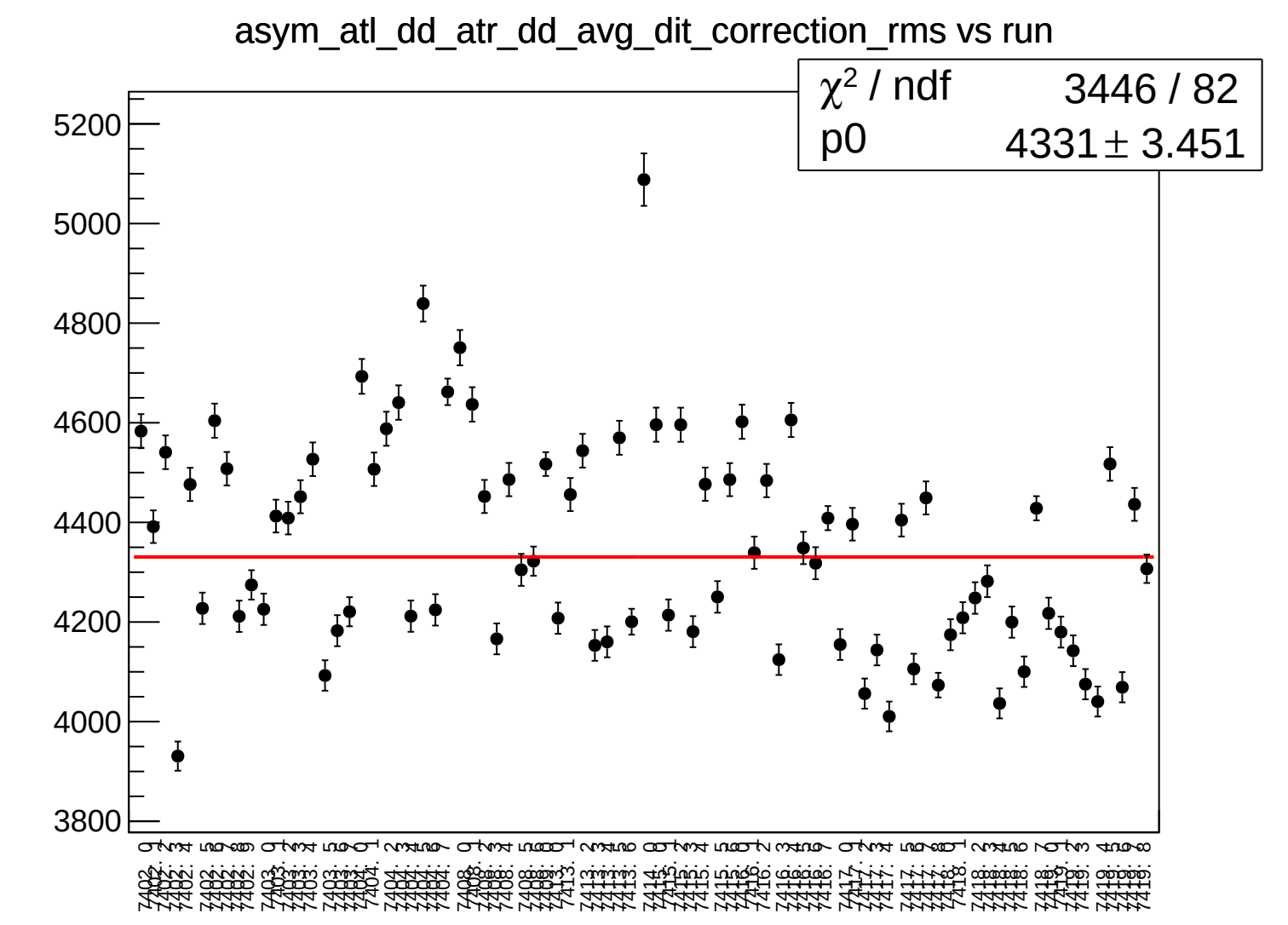

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3803 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

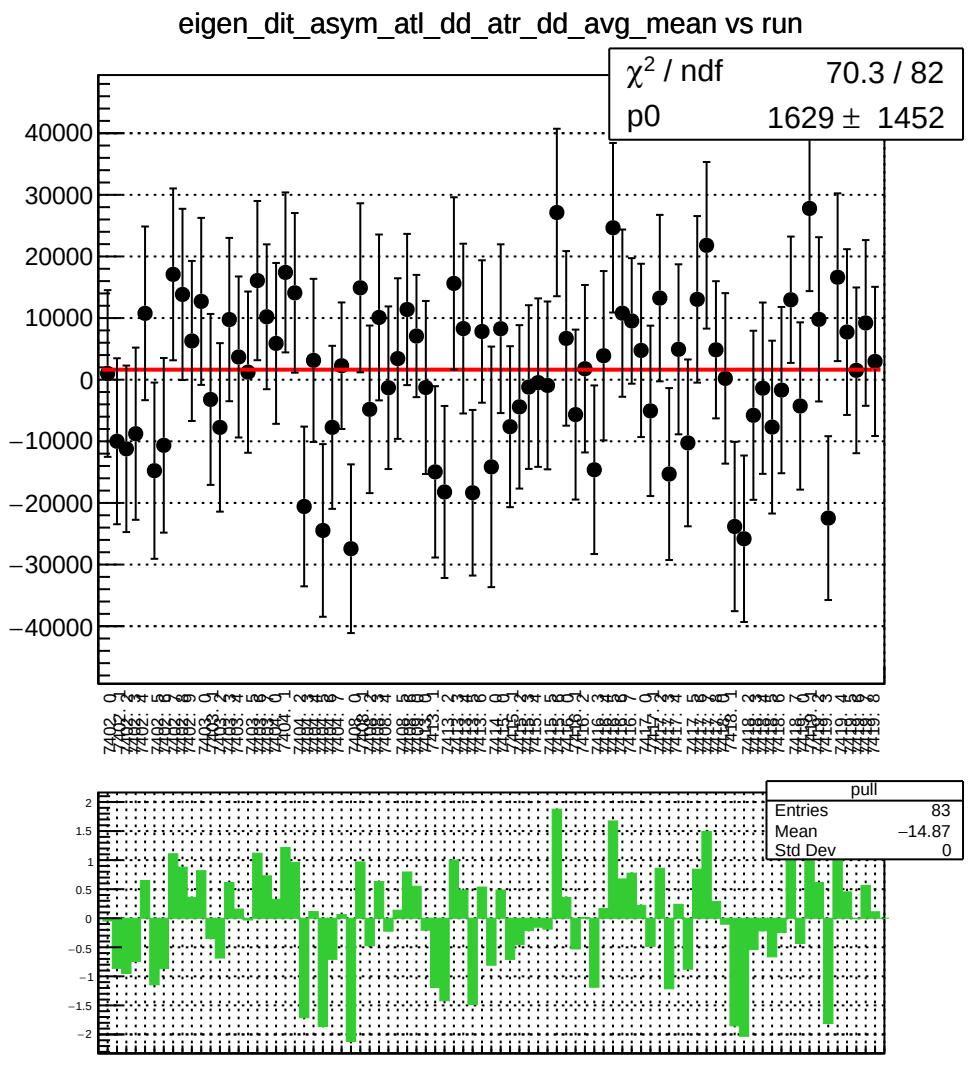

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 70.3 / 82
p0 1629 ± 1452
pull
Entries 83
Mean −14.87
Std Dev 0
pull1D
Entries 83
Mean −0.02076
Std Dev 0.9201

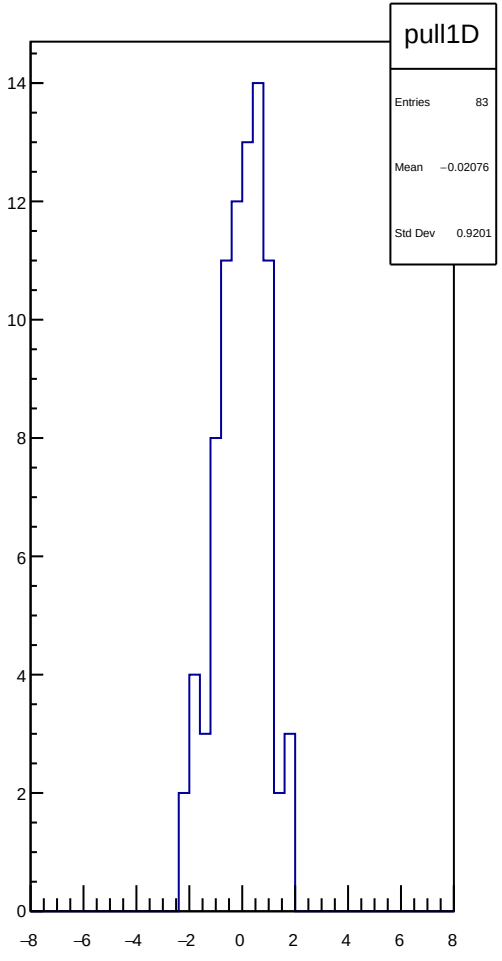

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1000 / 82
p0 1290 ± 1.027
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

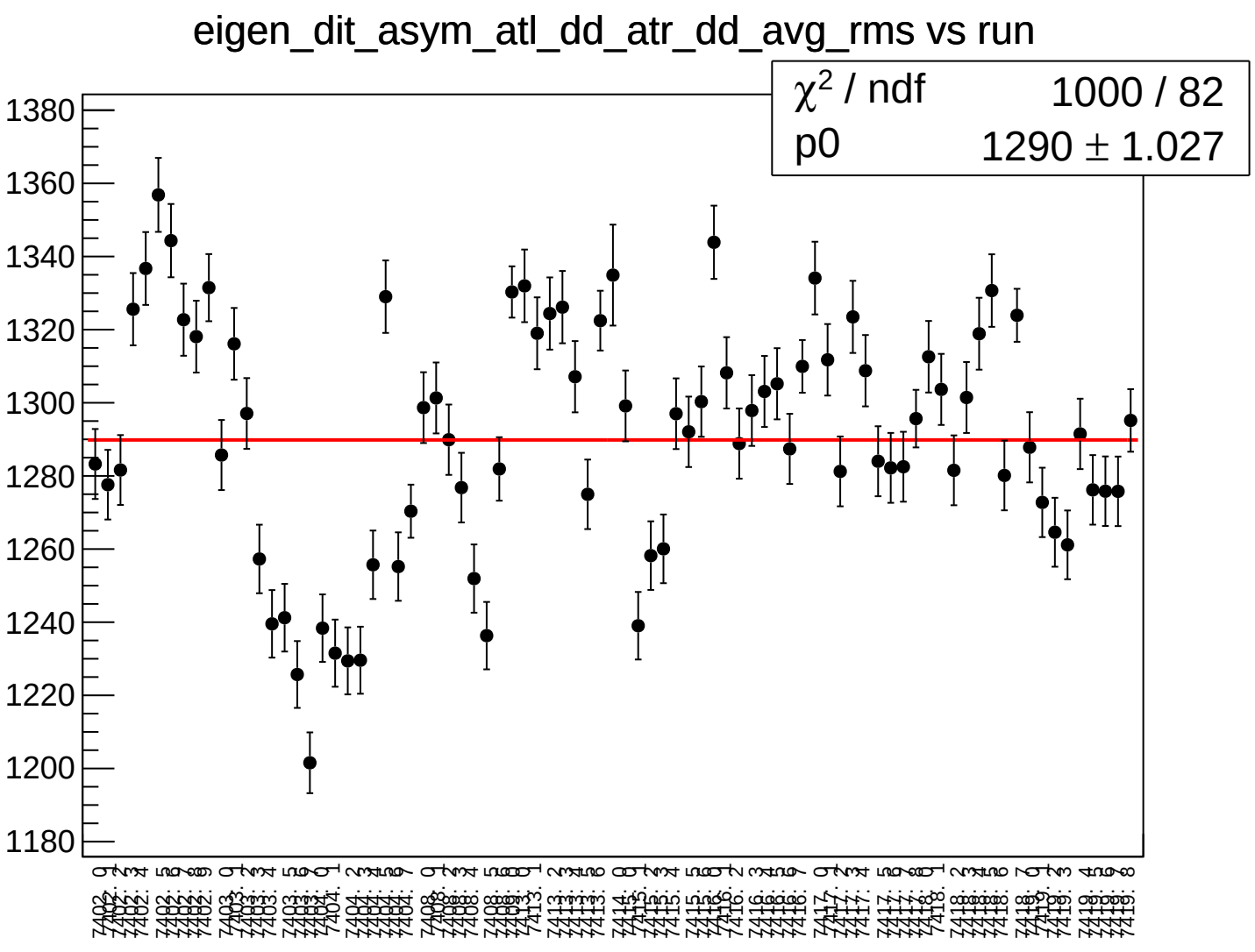

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 79.95 / 82
p0 −1500 ± 4880
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −667.1
Std Dev 0
2
1
0
−1
−2

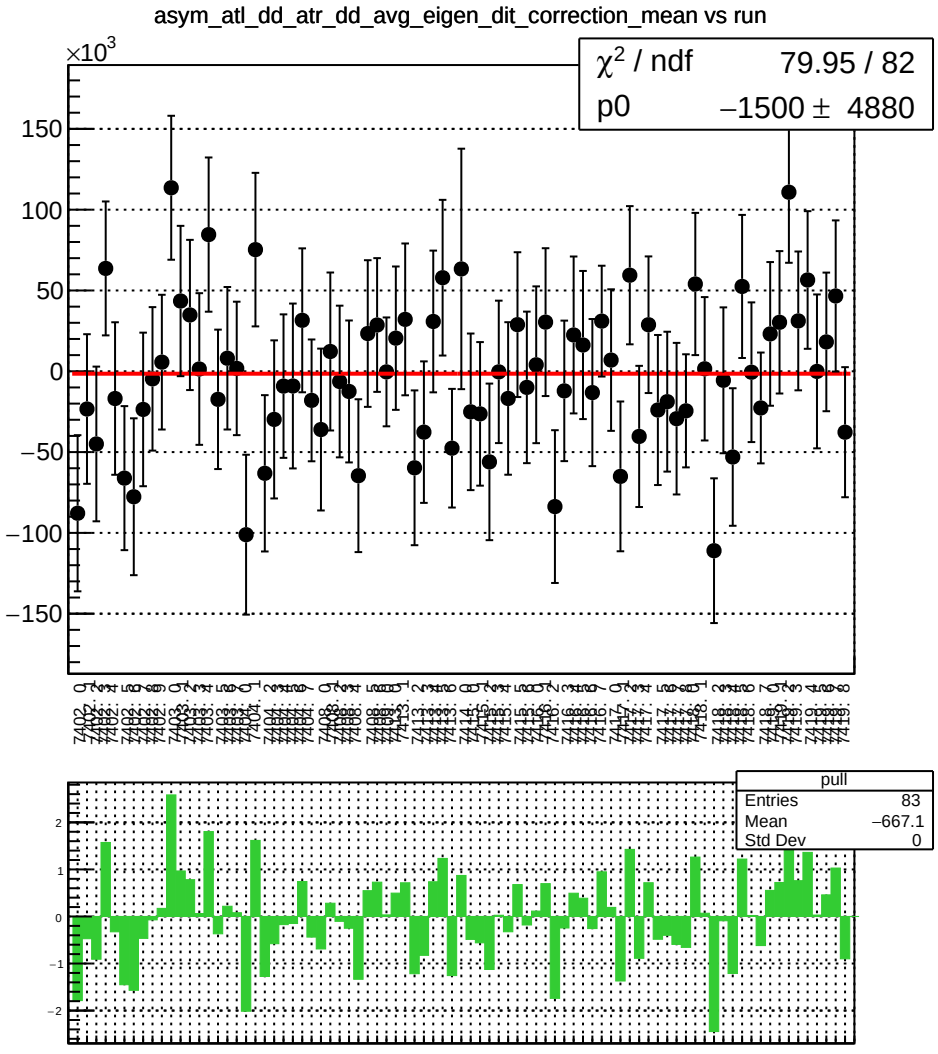

pull1D
Entries 83
Mean −0.003757
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

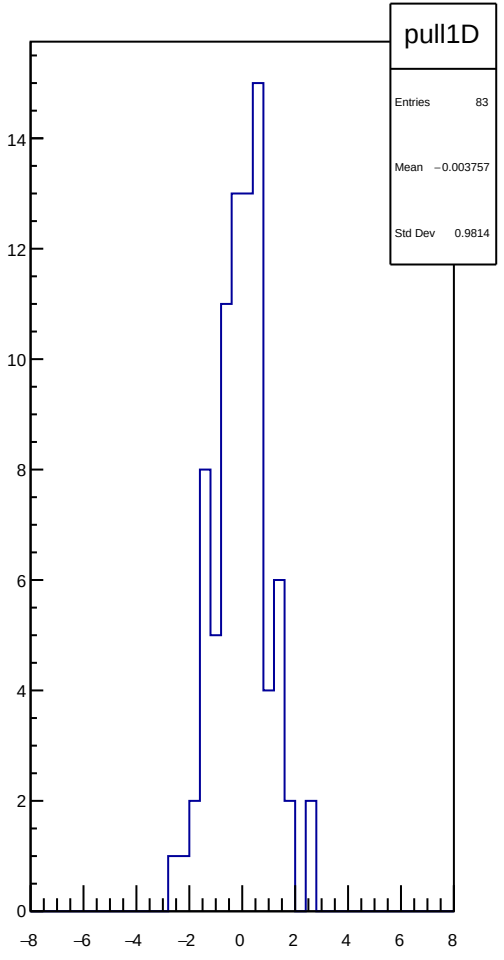

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 3446 / 82
p0 4331 ± 3.451
5200
5000
4800
4600
4400
4200
4000
3800

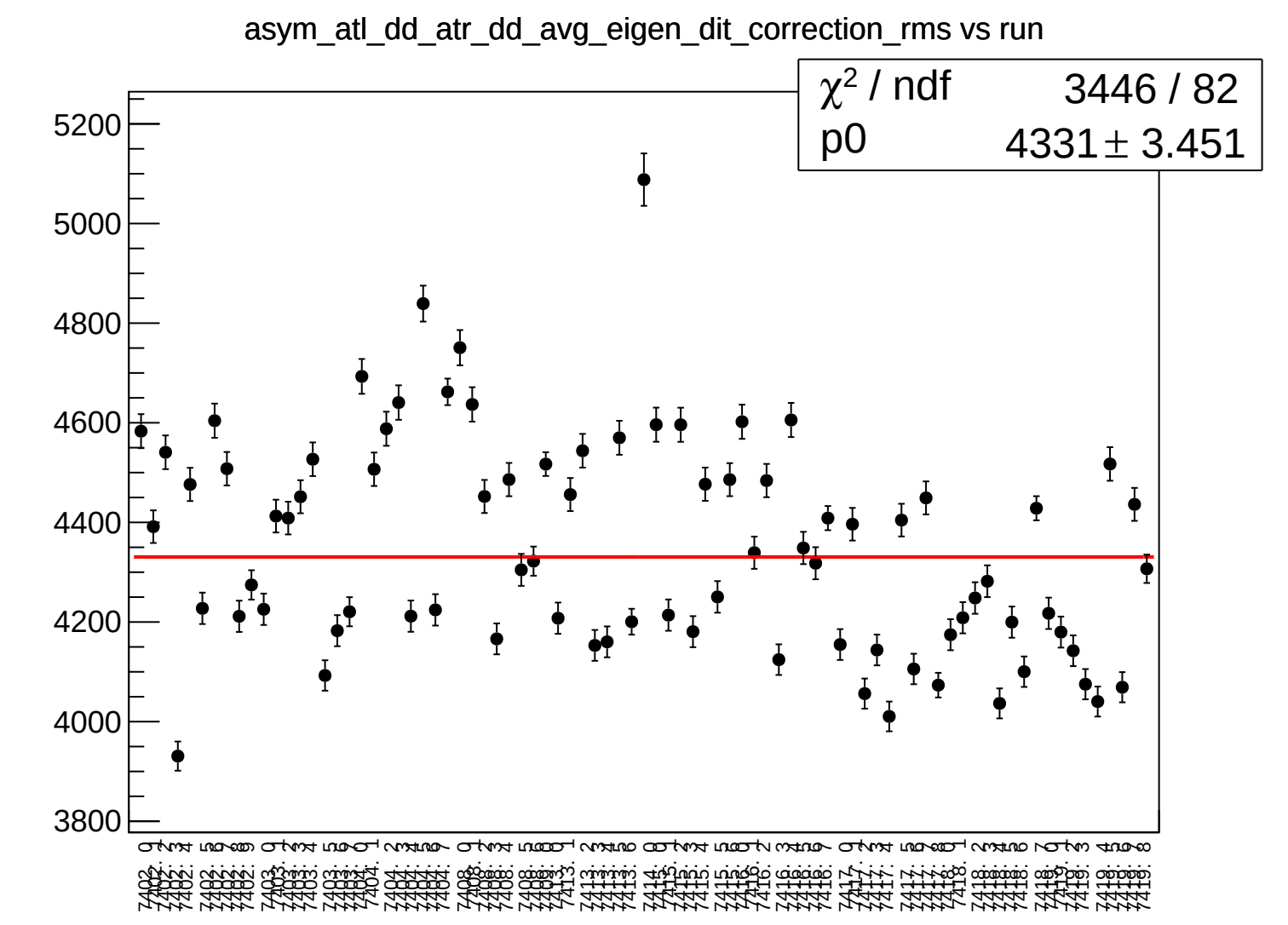

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 70.3 / 82
p0 1629 ± 1452
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −14.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

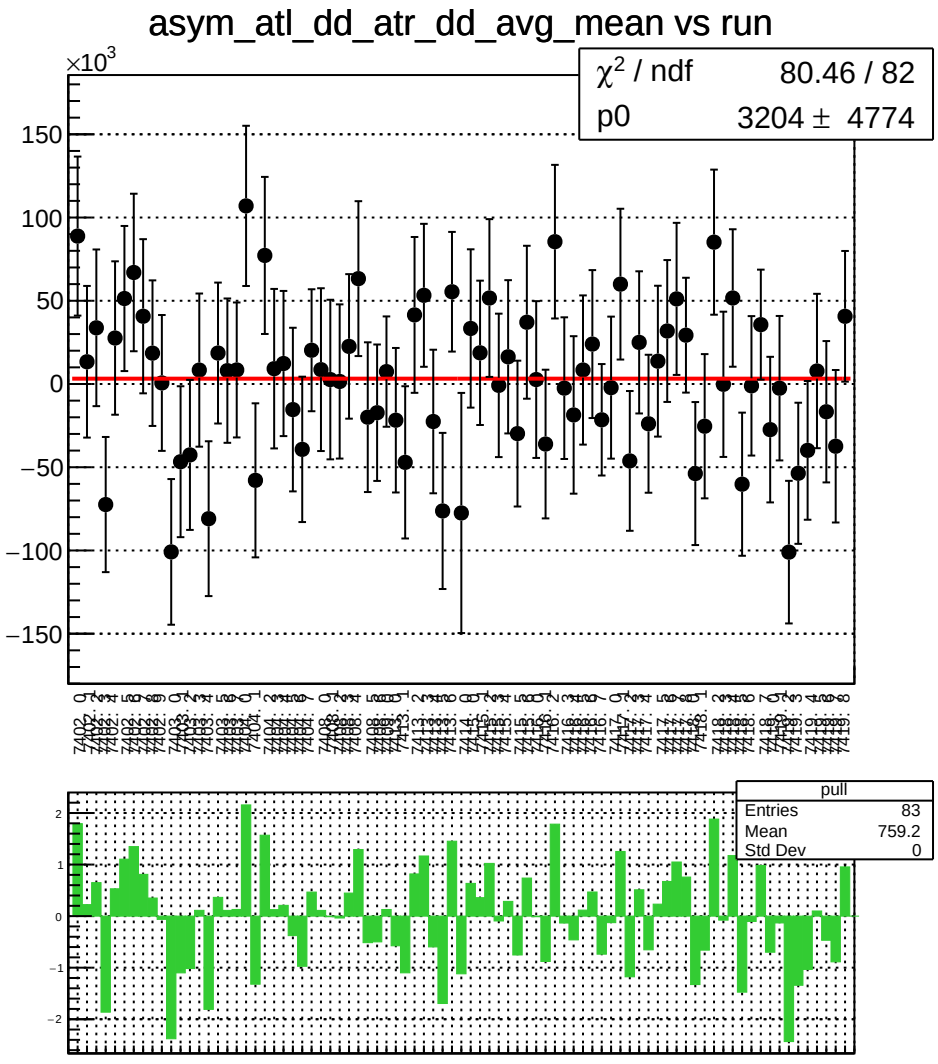

pull1D
Entries 83
Mean −0.02076
Std Dev 0.9201
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

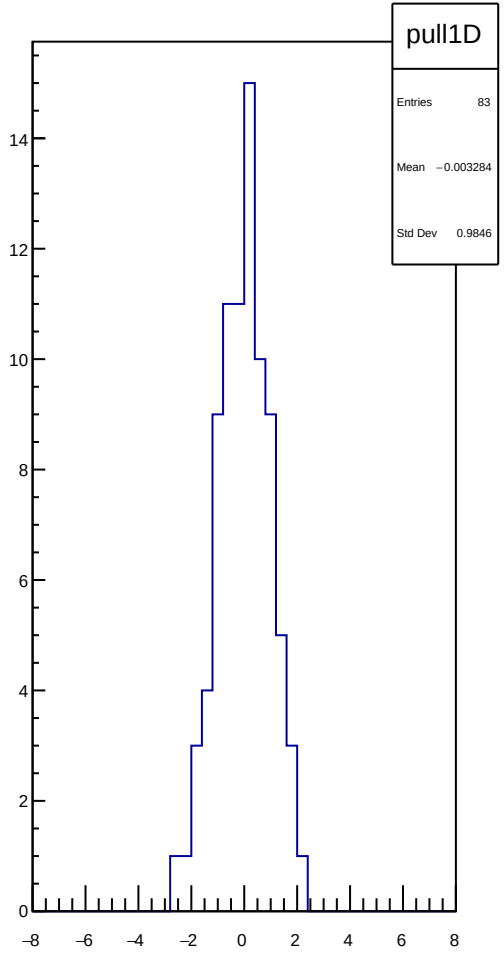

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1000 / 82
p0 1290 ± 1.027
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

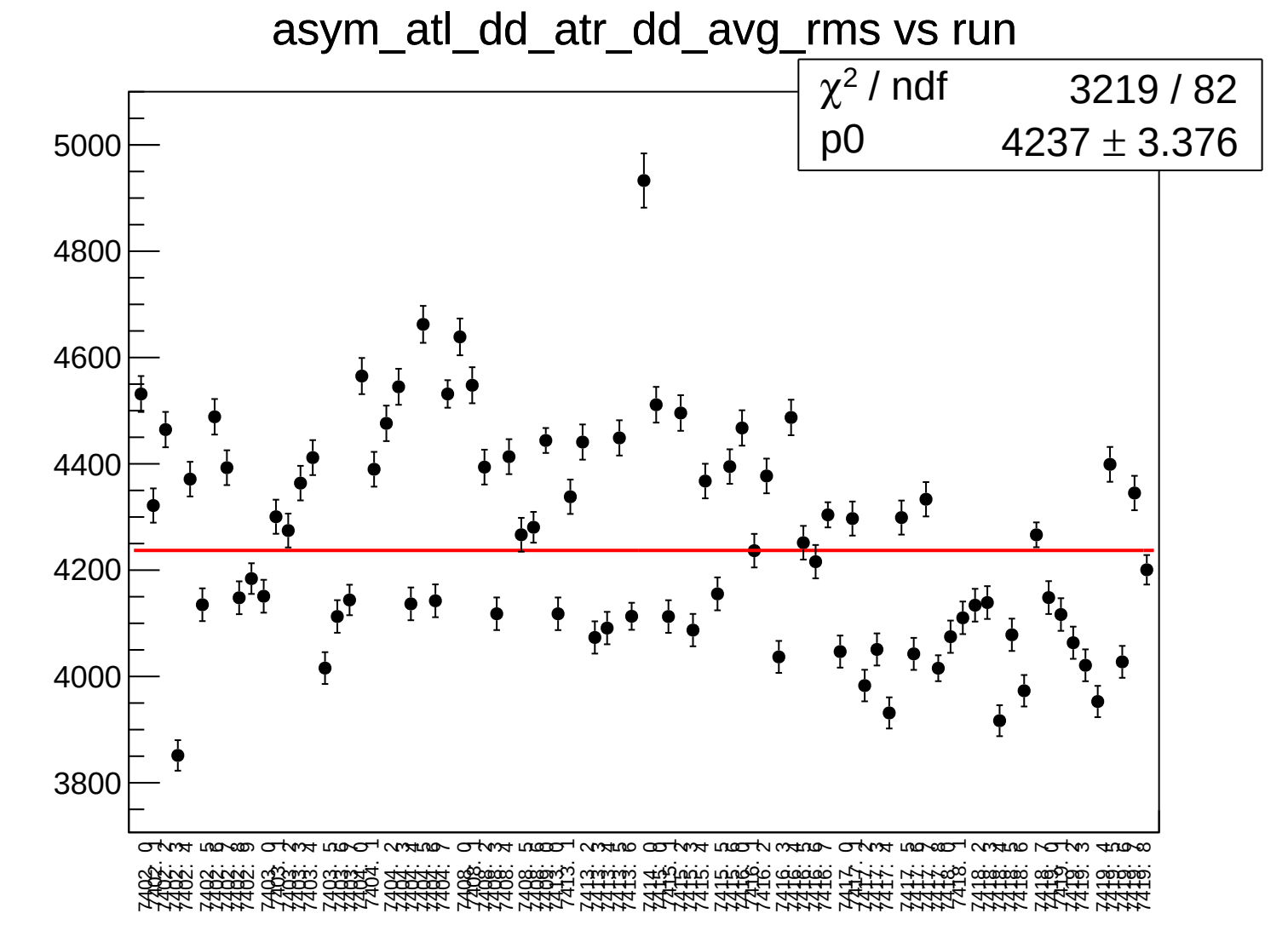

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 79.95 / 82
p0 −1500 ± 4880
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −667.1
Std Dev 0
2
1
0
−1
−2

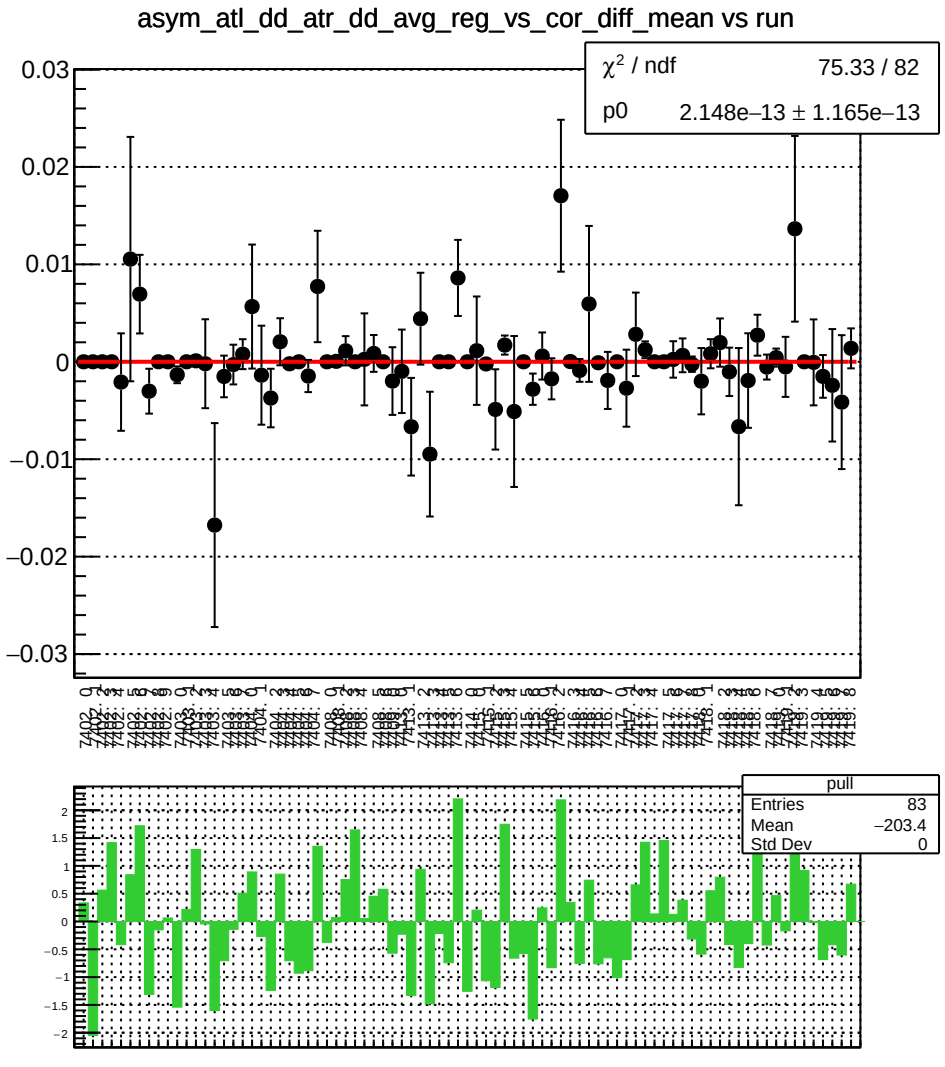

pull1D
Entries 83
Mean −0.003757
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

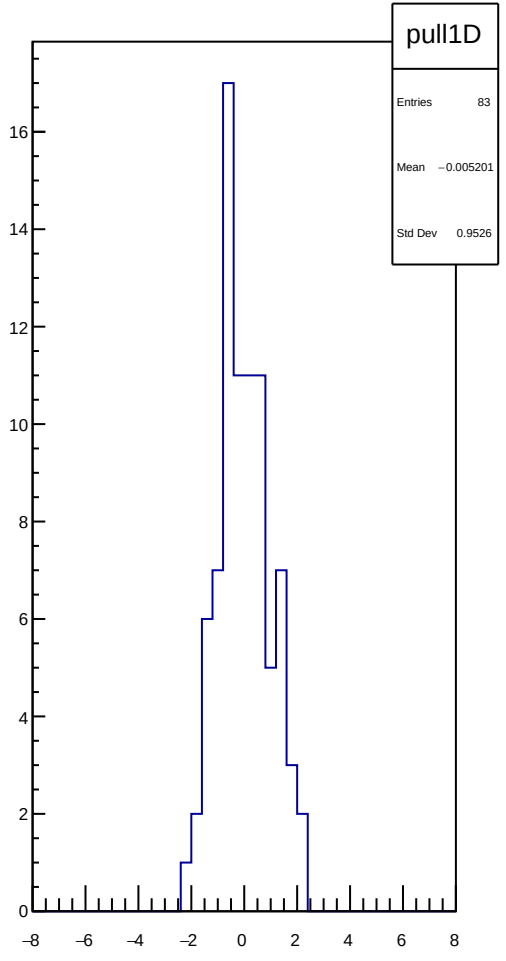

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3446 / 82
p0 4331 ± 3.451
5200
5000
4800
4600
4400
4200
4000
3800

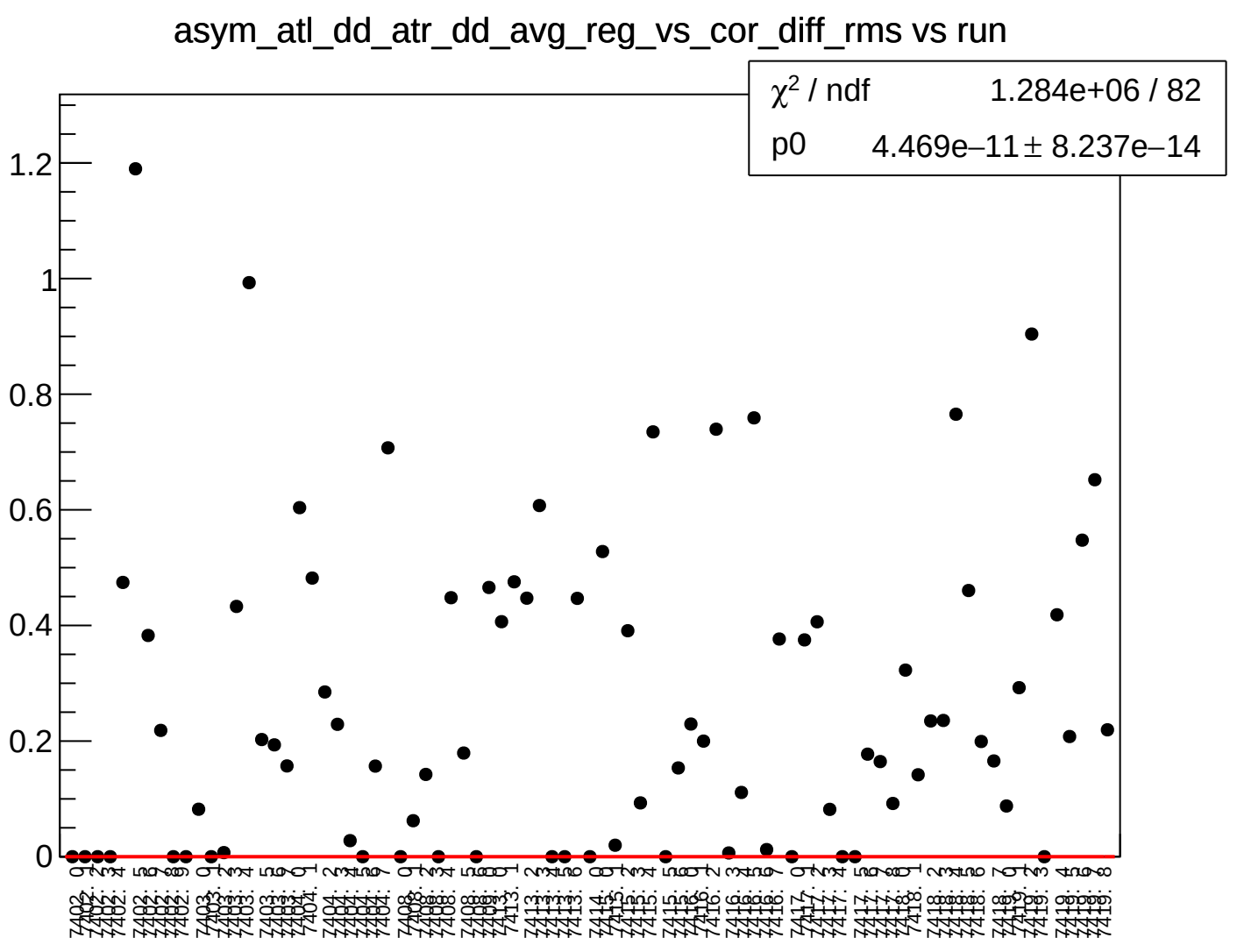

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 80.46 / 82
p0 3204 ± 4774
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 759.2
Std Dev 0
2
1
0
−1
−2

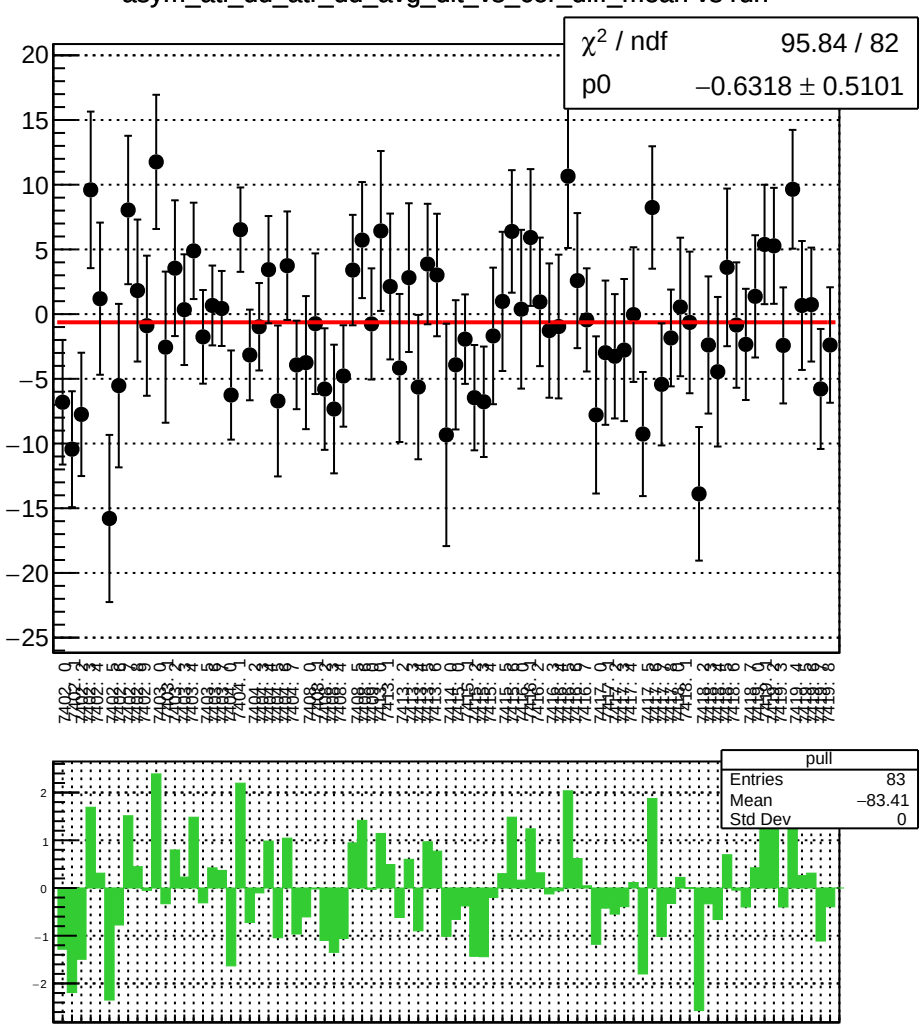

pull1D
Entries 83
Mean −0.003284
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

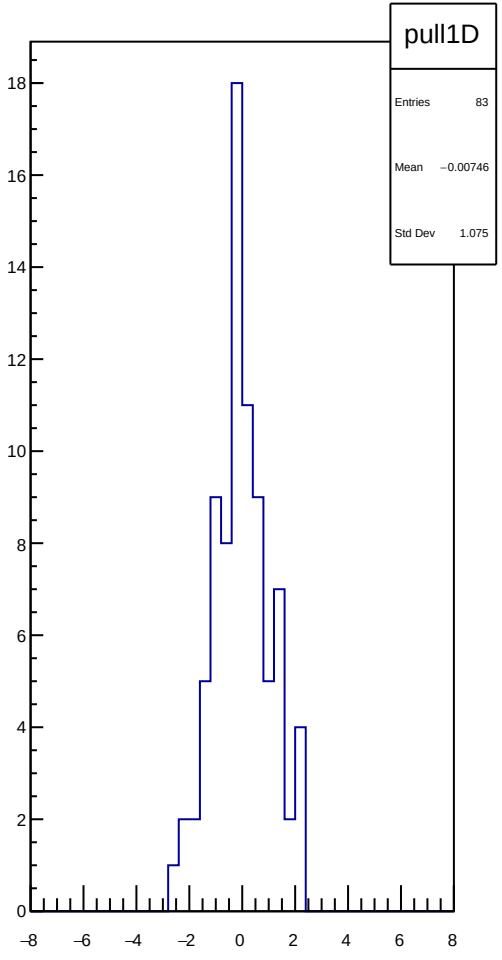

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3219 / 82
p0 4237 ± 3.376
5000
4800
4600
4400
4200
4000
3800

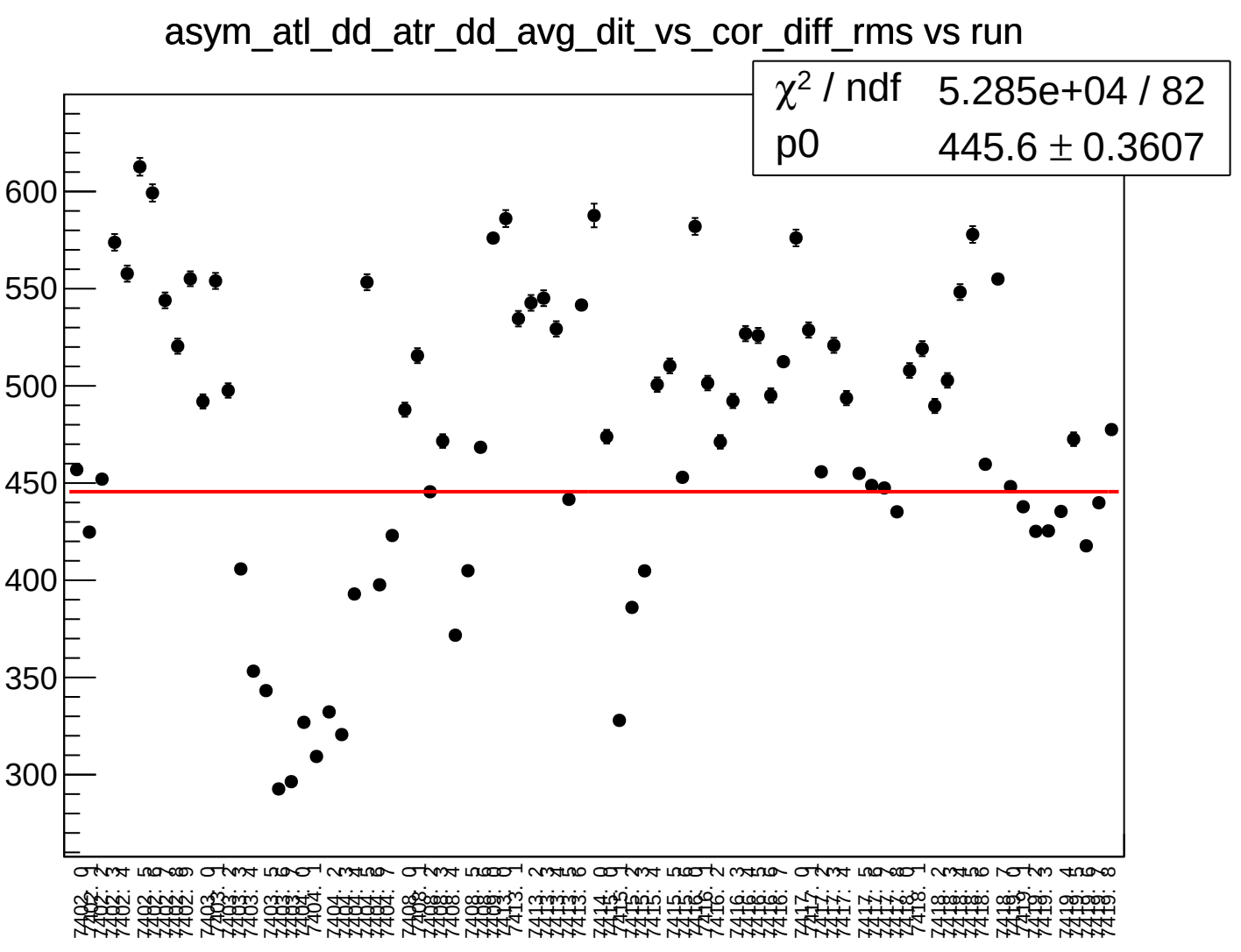

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 75.33 / 82
p0 2.148e−13 ± 1.165e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean −203.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

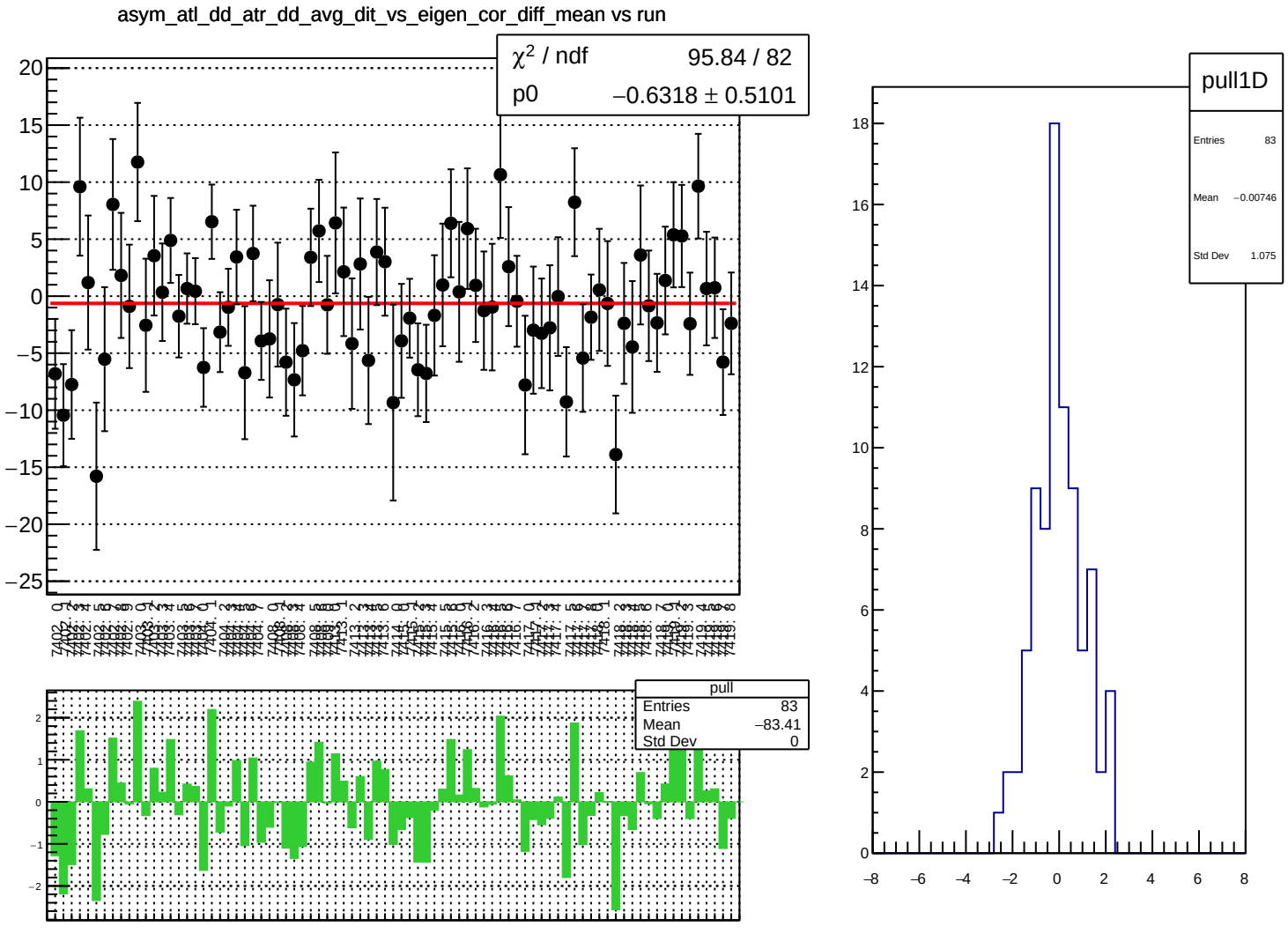

pull1D
Entries 83
Mean −0.005201
Std Dev 0.9526
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

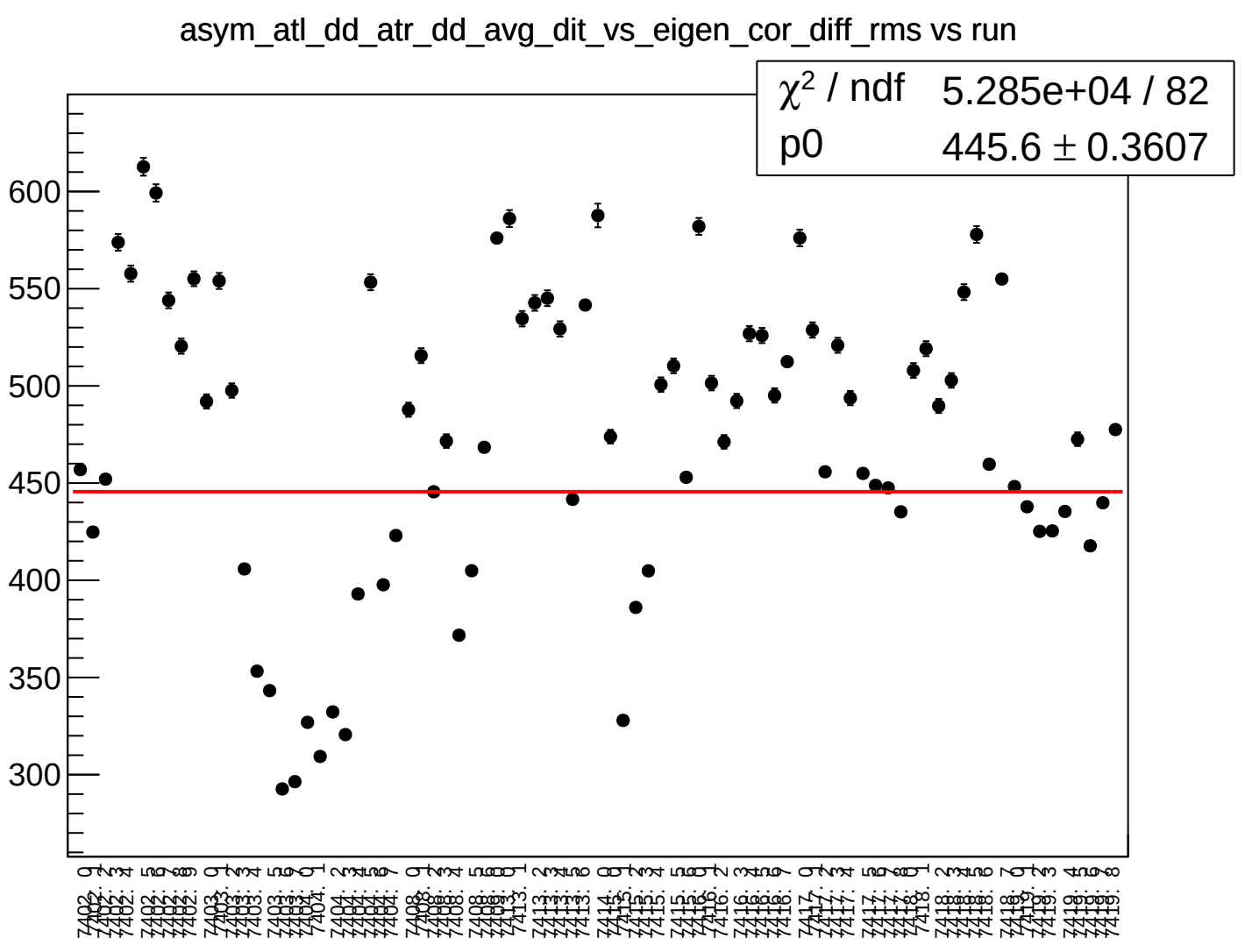

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.284e+06 / 82
p0 4.469e−11 ± 8.237e−14
1.2
1
0.8
0.6
0.4
0.2
0

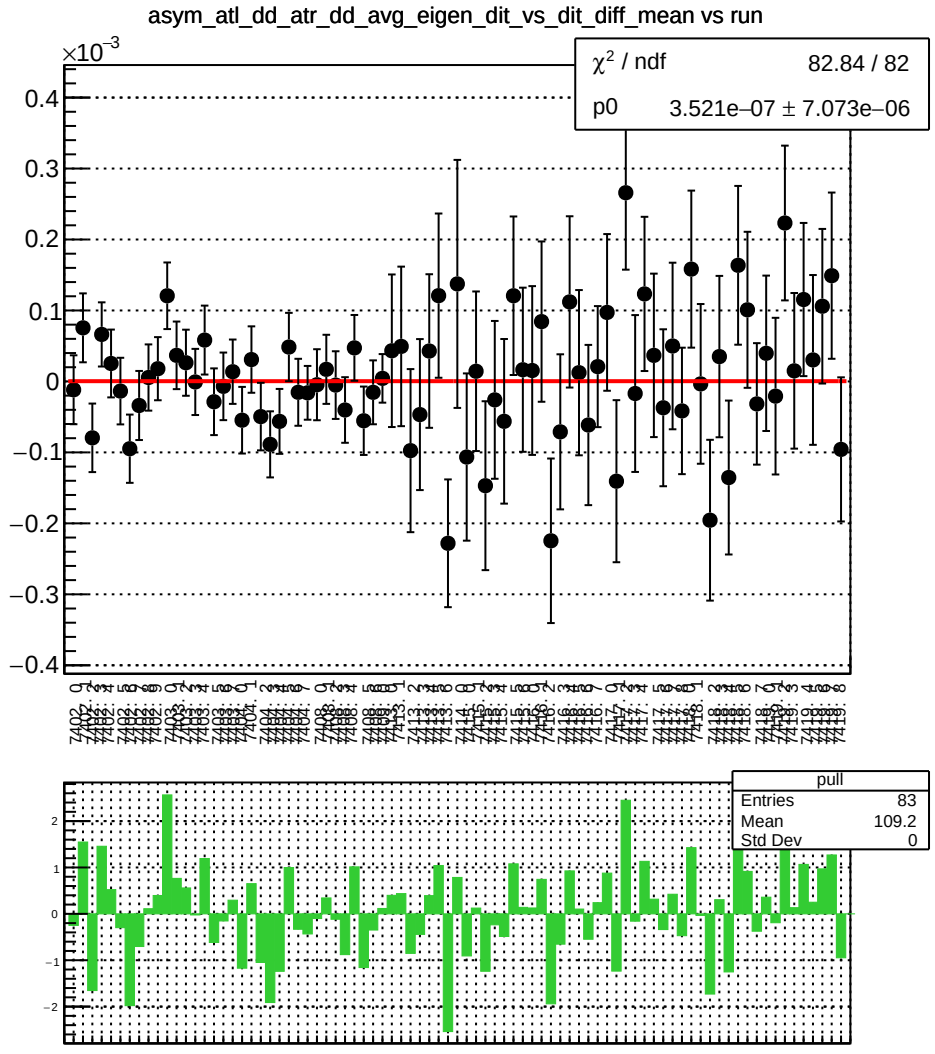

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.41
Std Dev 0

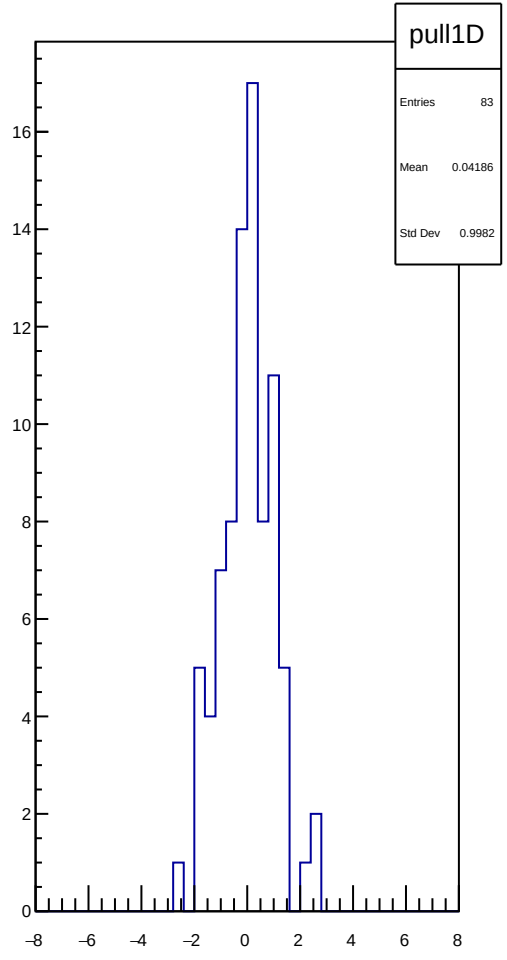

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

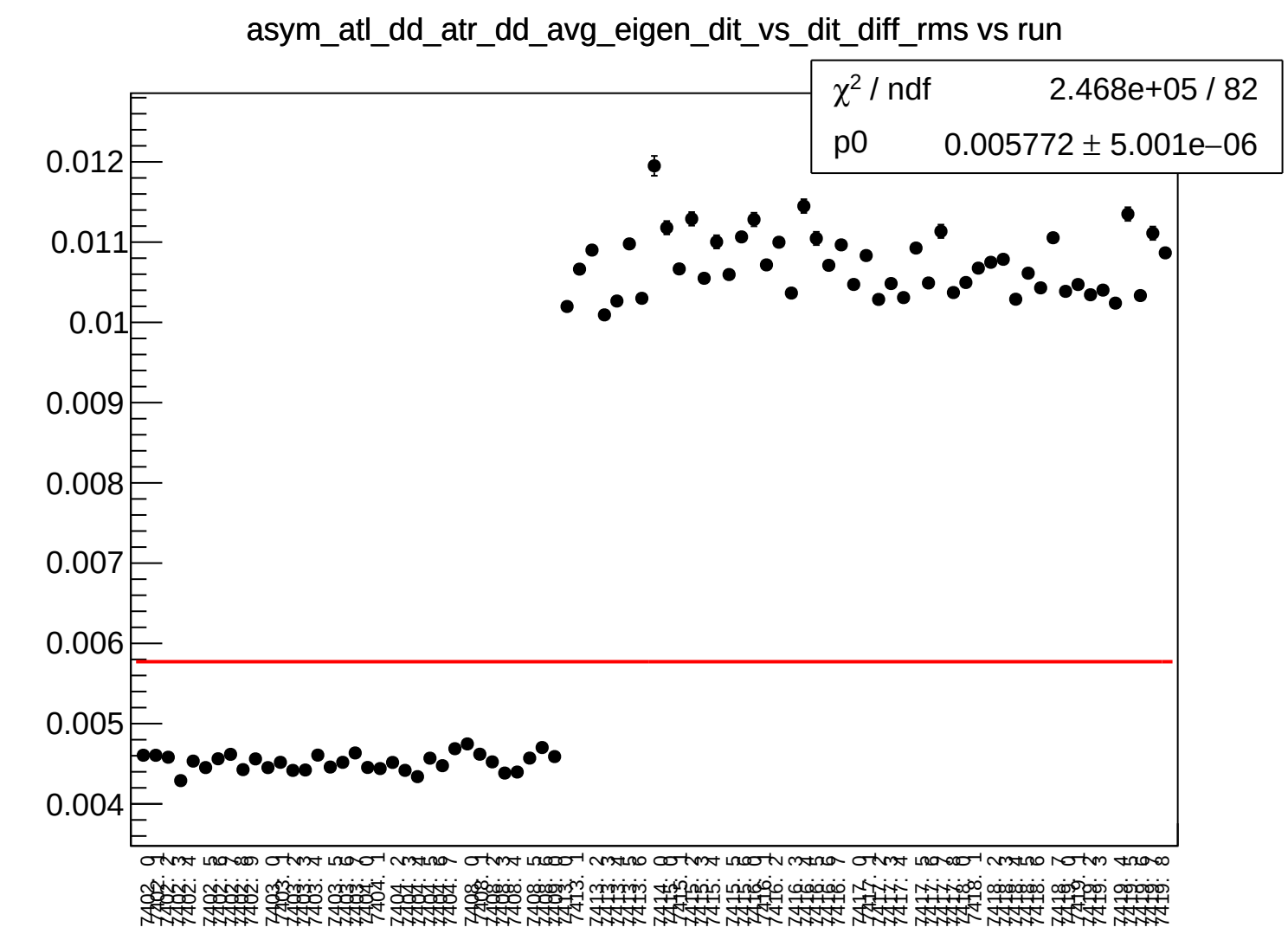

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

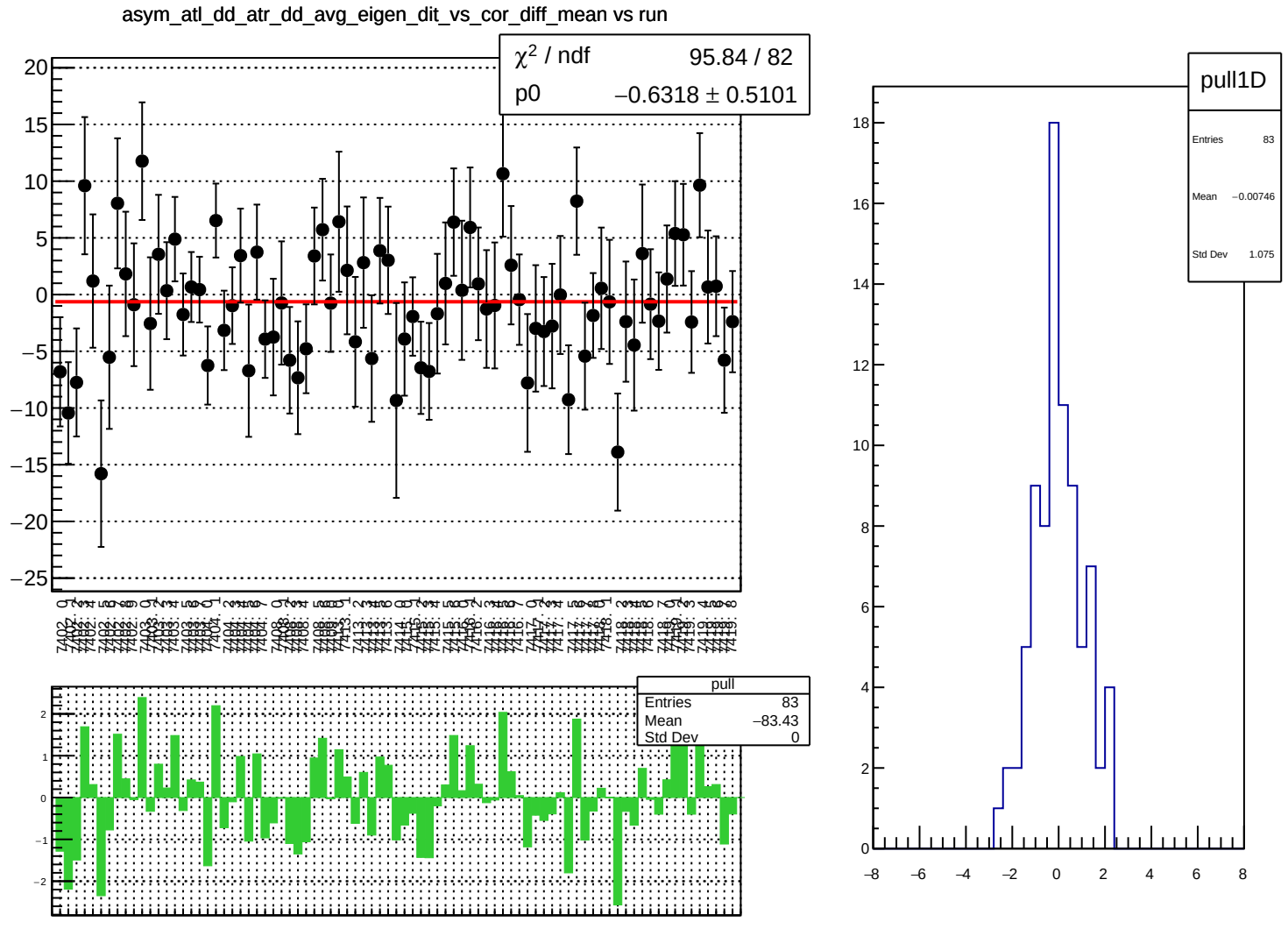

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.41
Std Dev 0
pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

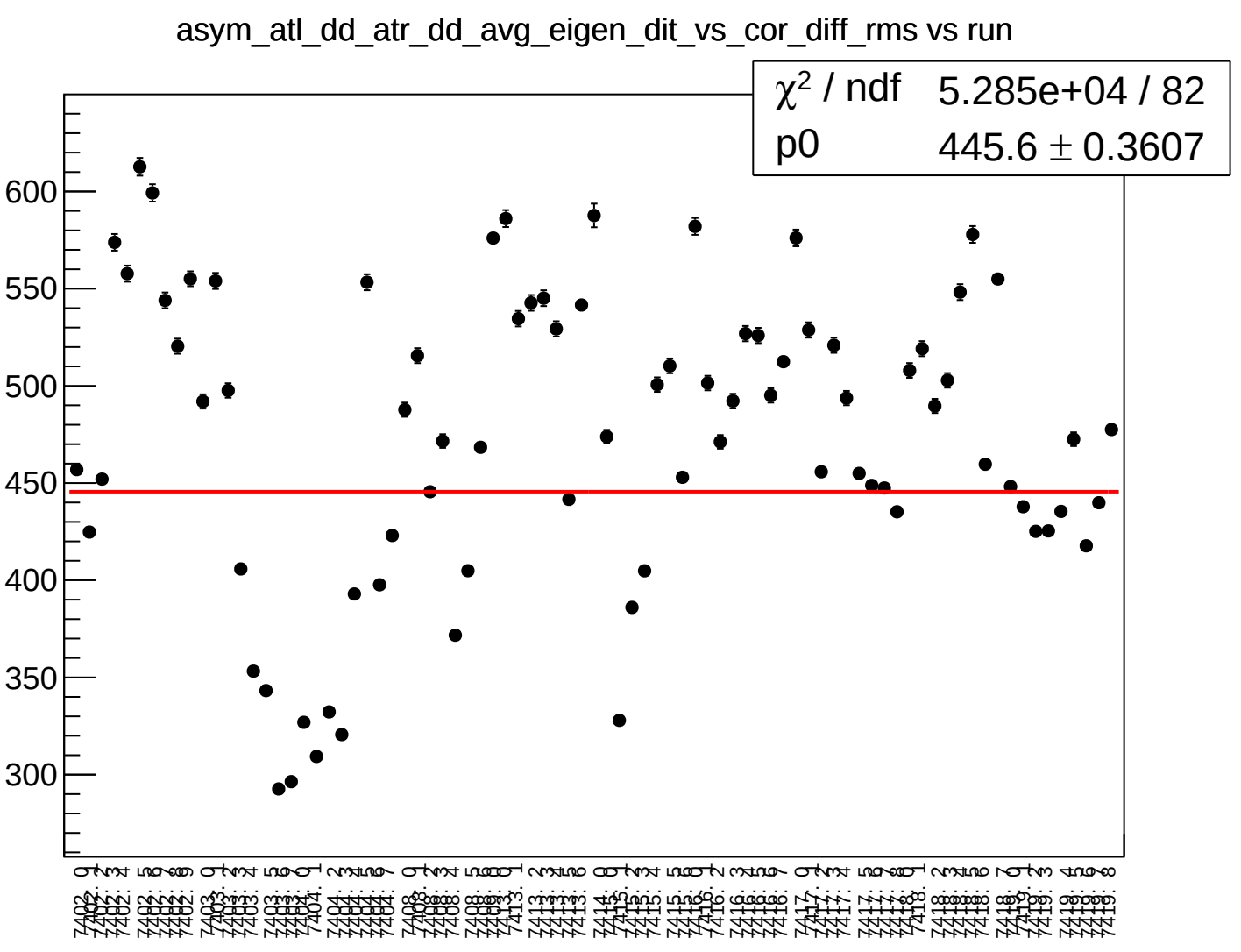

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

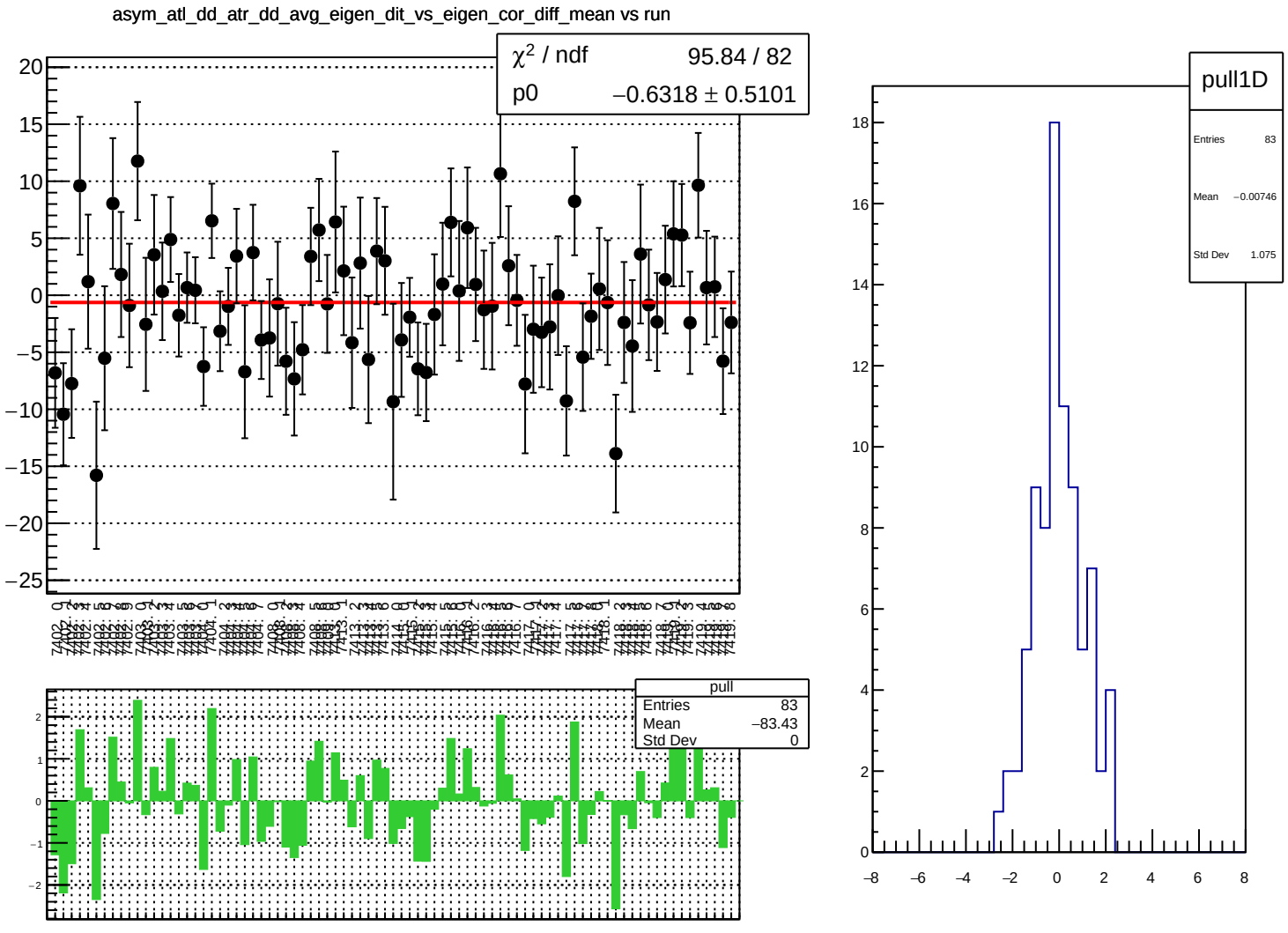

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.84 / 82
p0 3.521e−07 ± 7.073e−06
pull
Entries 83
Mean 109.2
Std Dev 0

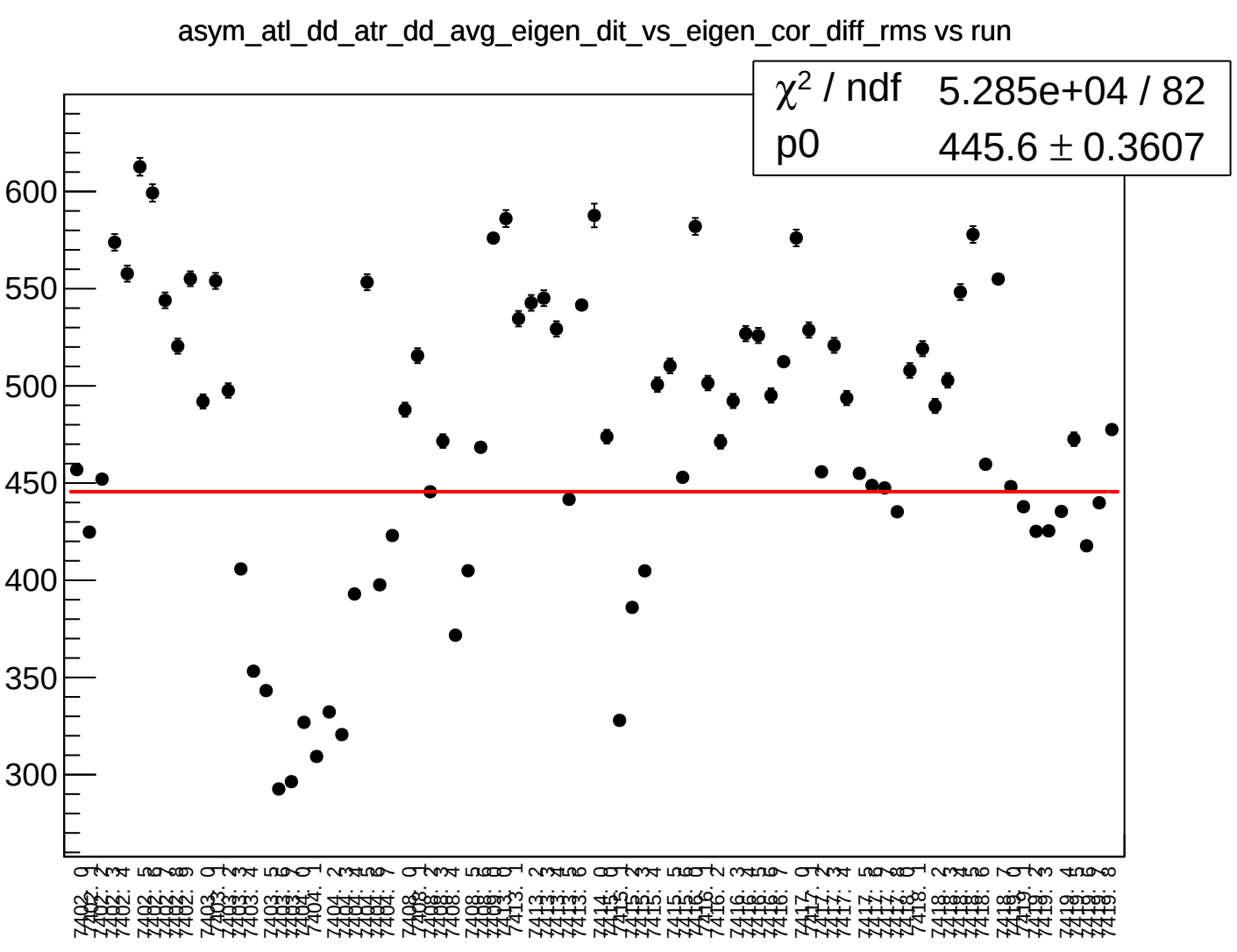

pull1D
Entries 83
Mean 0.04186
Std Dev 0.9982

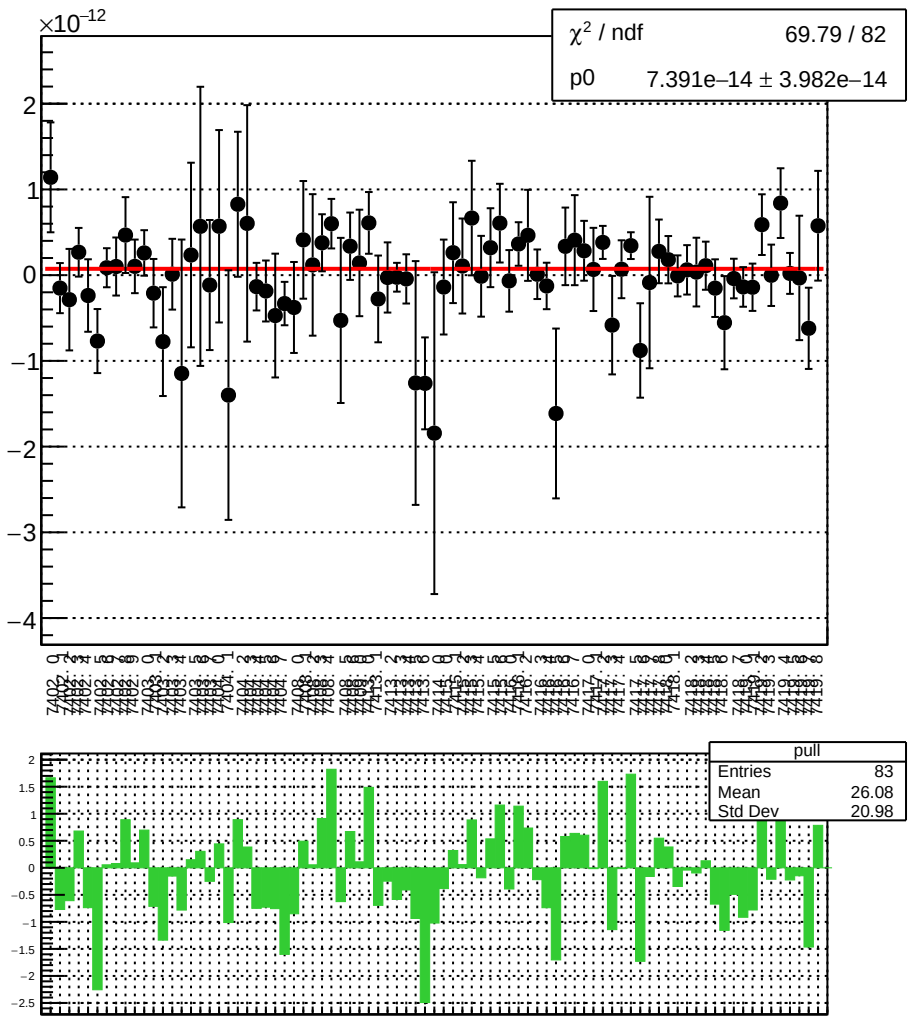

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.468e+05 / 82
p0 0.005772 ± 5.001e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

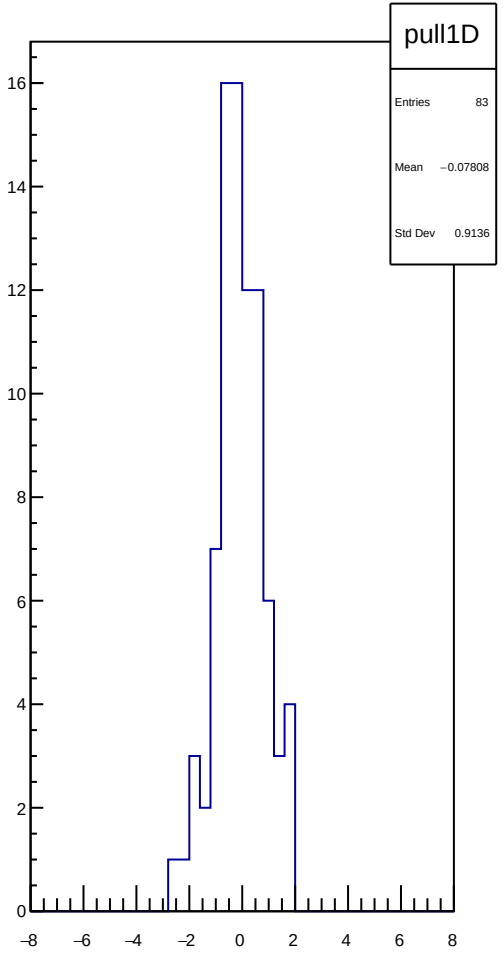

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.43
Std Dev 0
pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

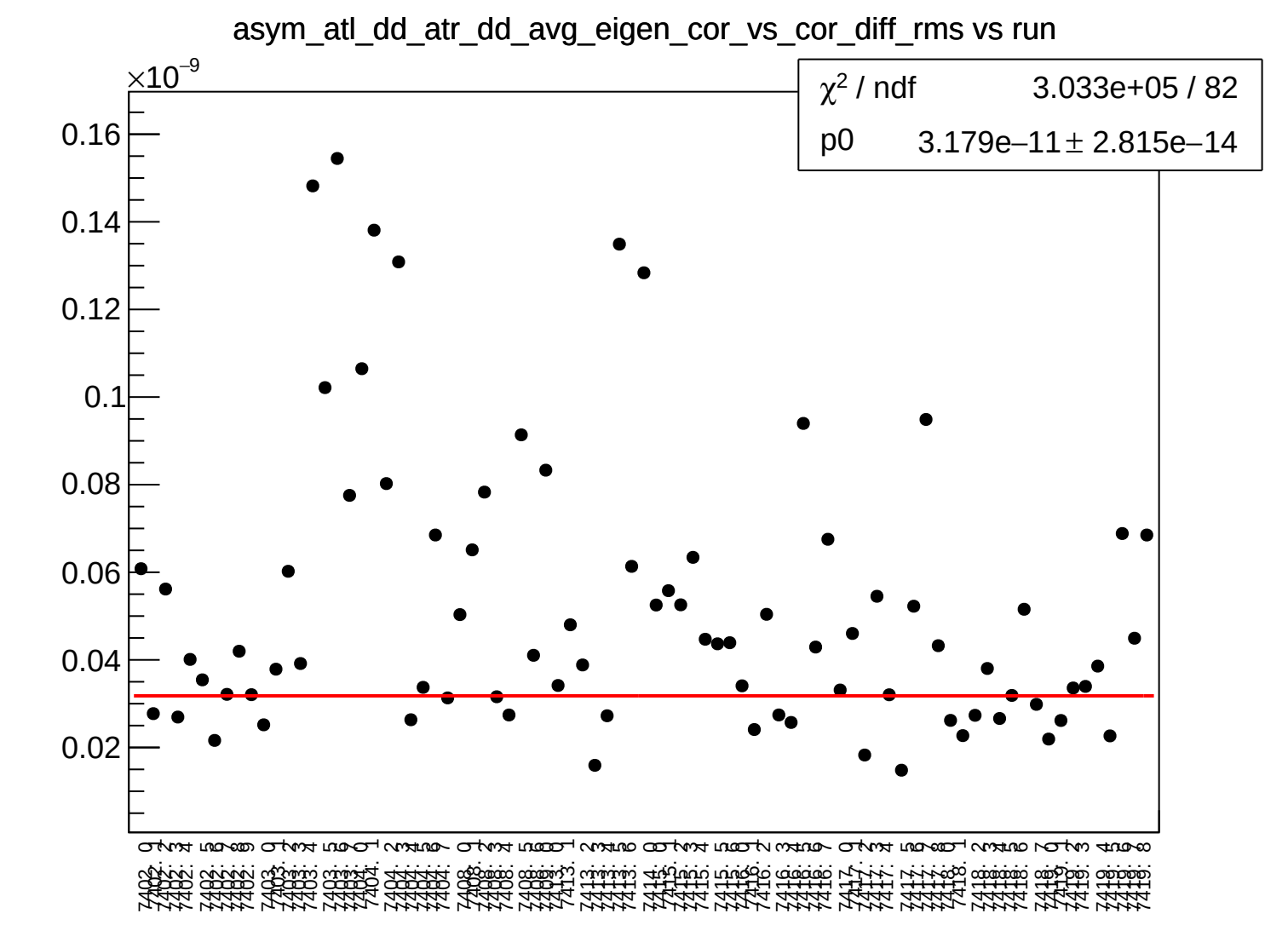

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

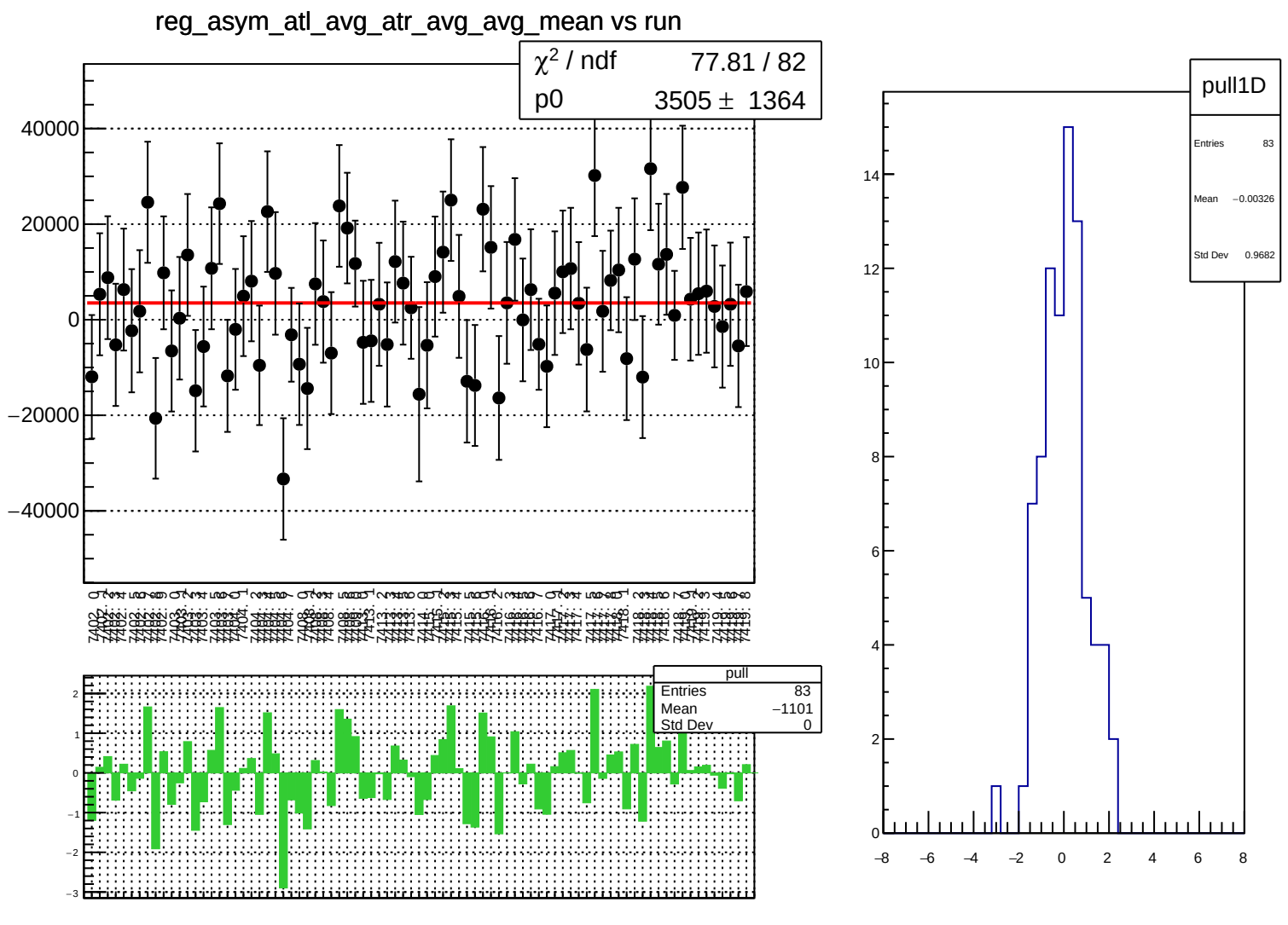

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.43
Std Dev 0
pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

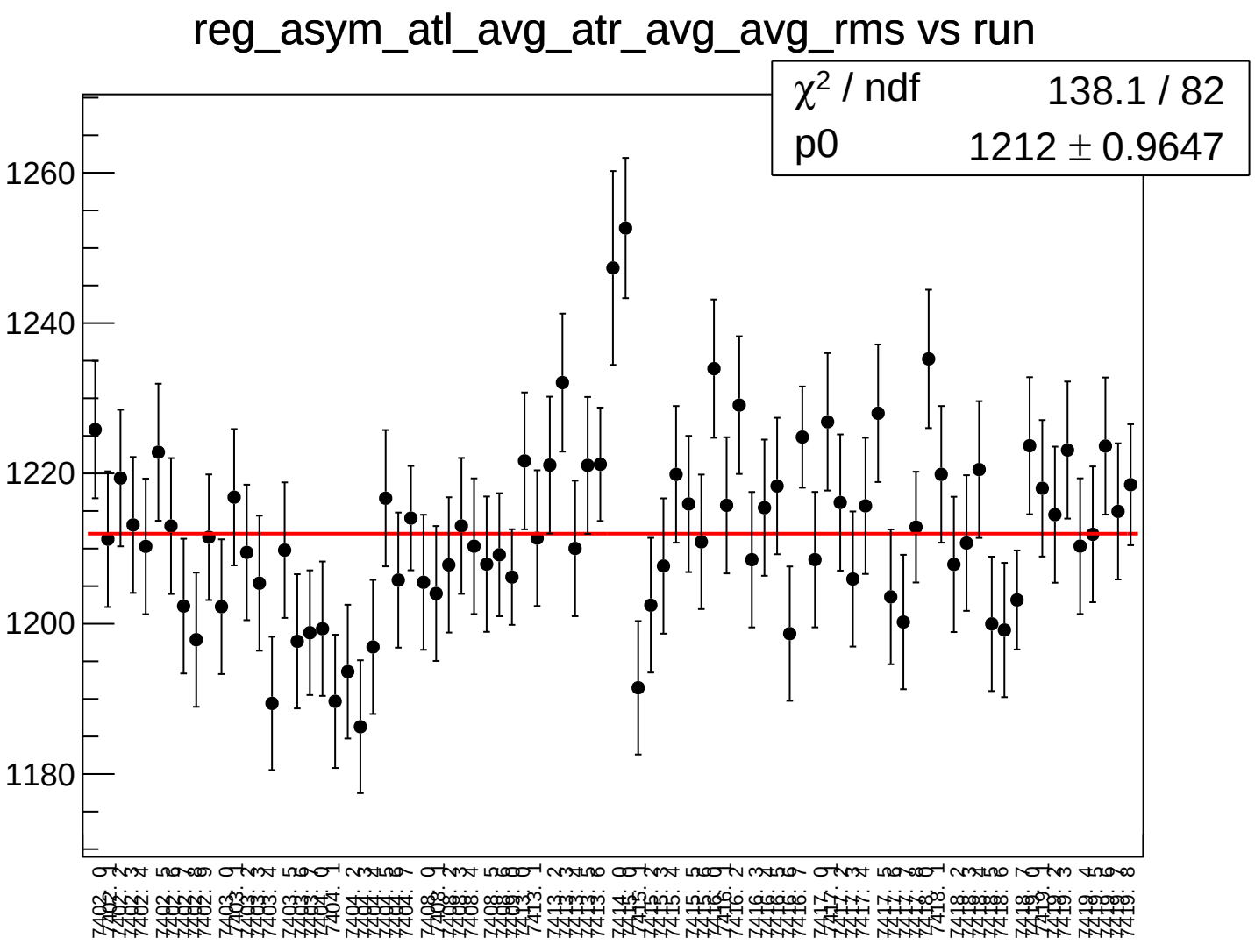

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

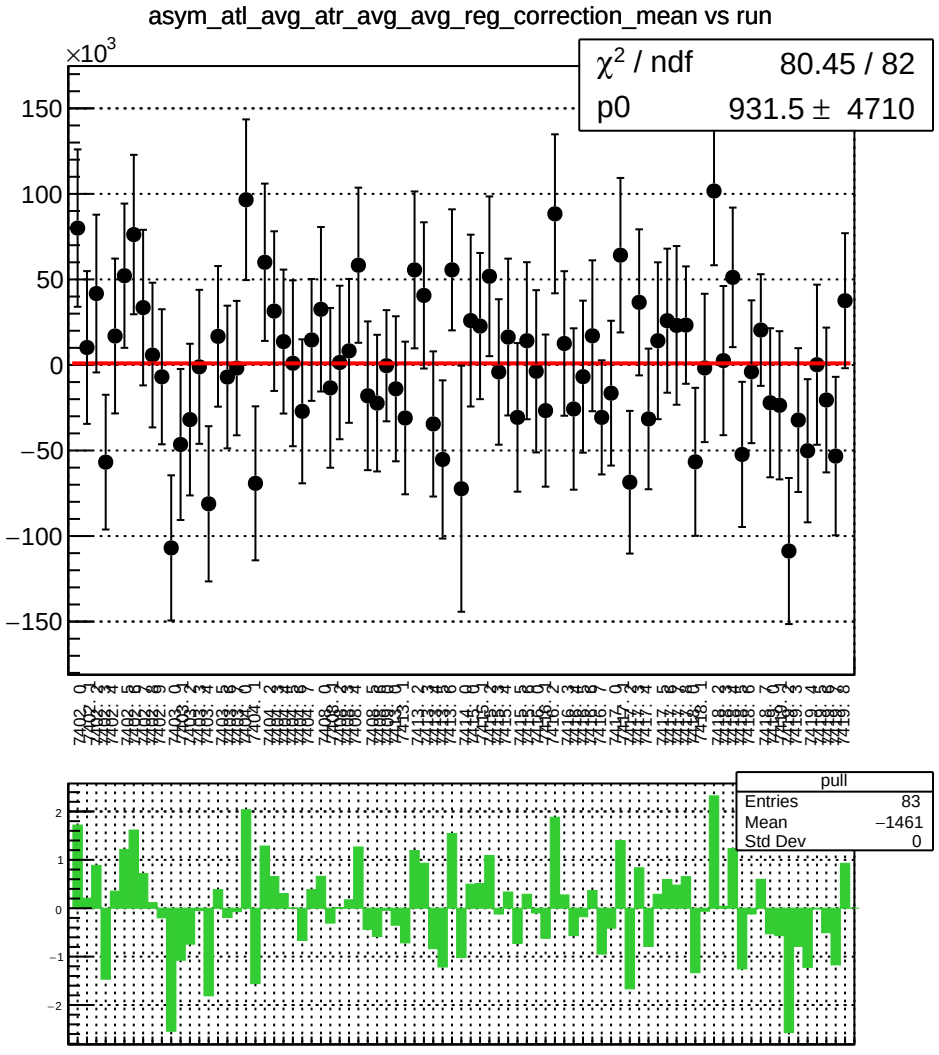

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.79 / 82
p0 7.391e−14 ± 3.982e−14
pull
Entries 83
Mean 26.08
Std Dev 20.98

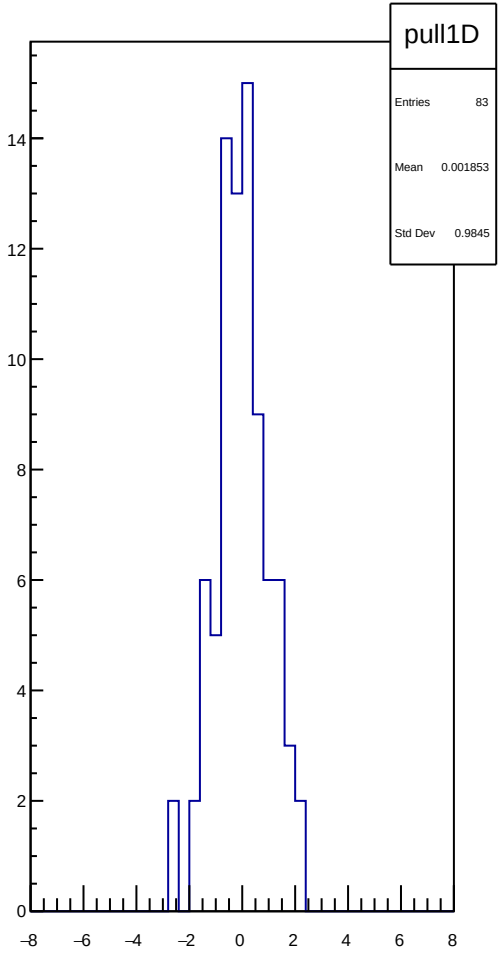

pull1D
Entries 83
Mean −0.07808
Std Dev 0.9136

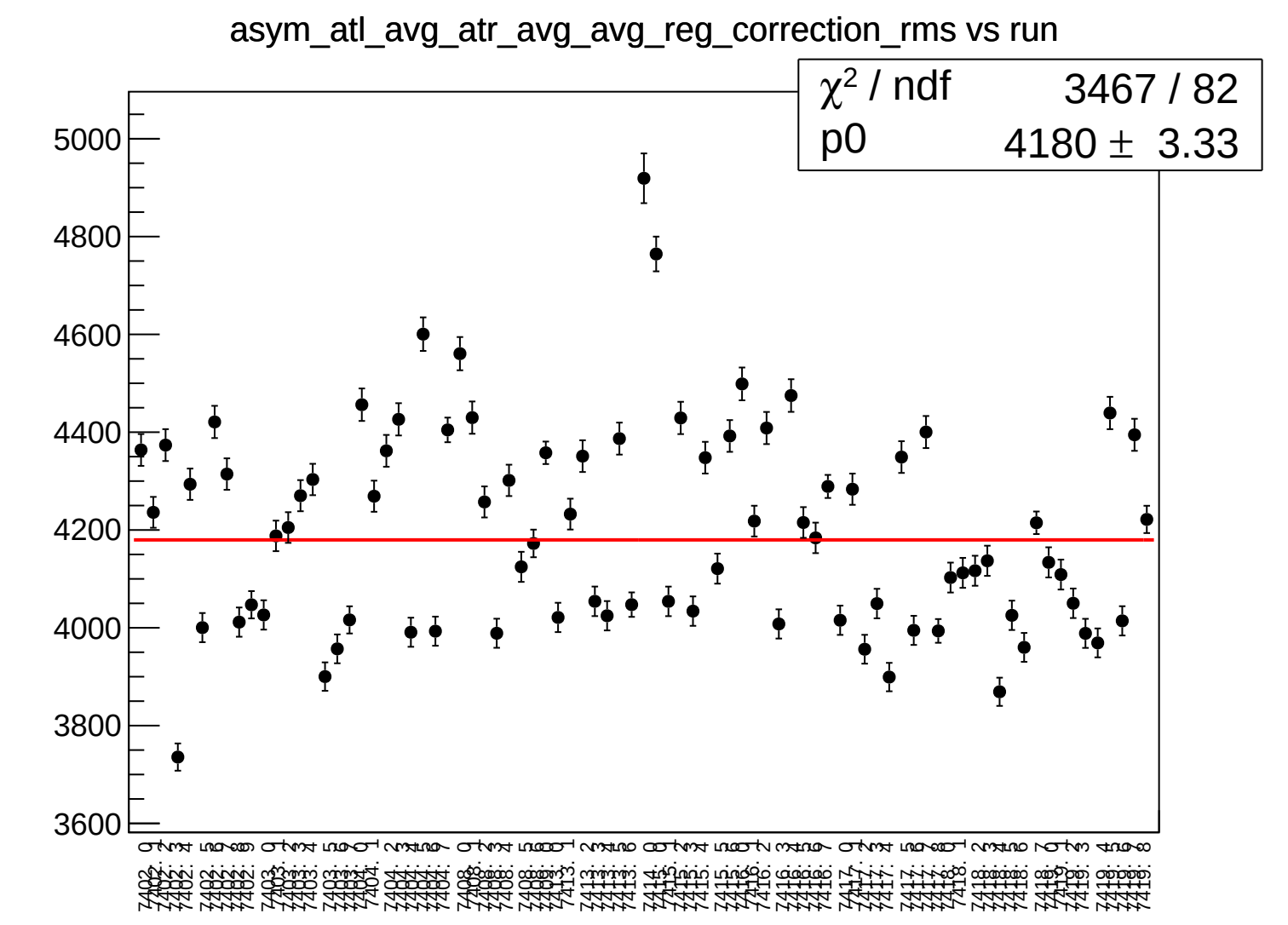

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.033e+05 / 82
p0 3.179e−11 ± 2.815e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

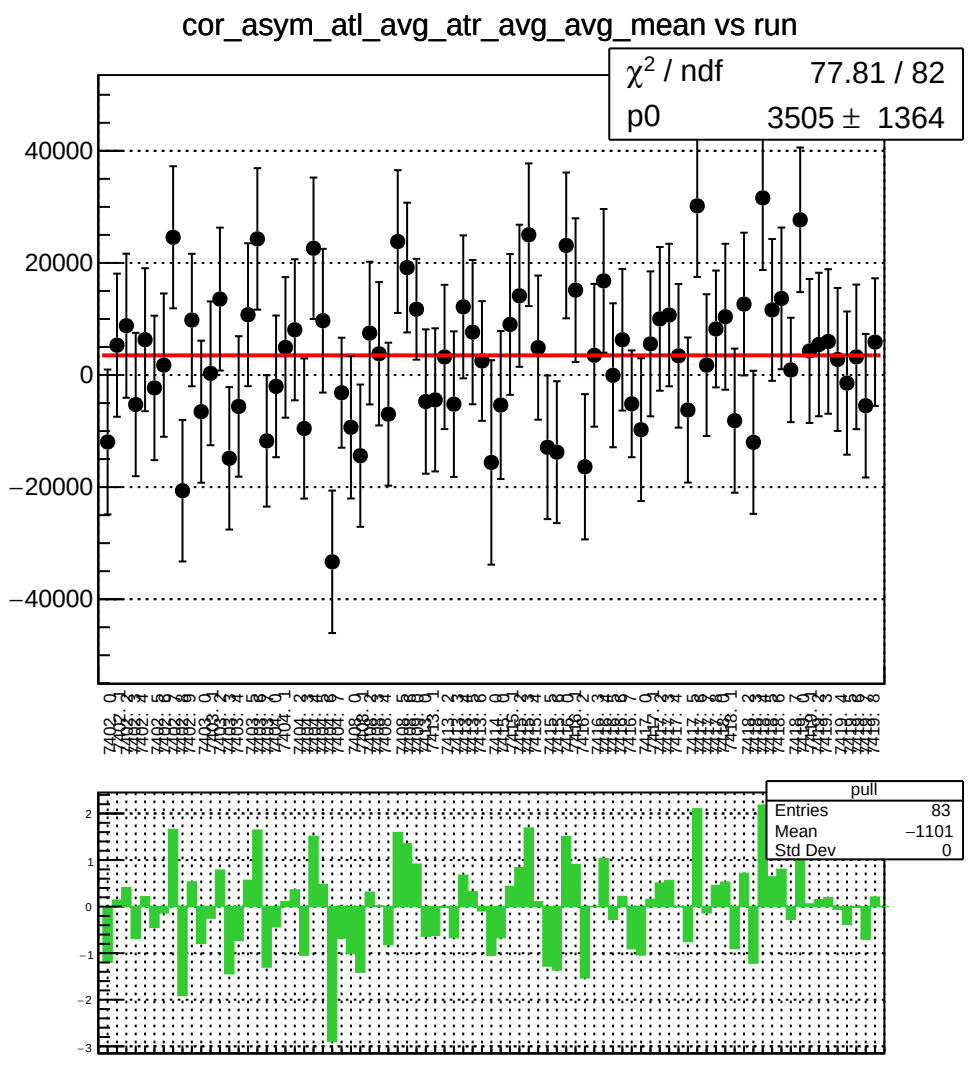

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 77.81 / 82
p0 3505 ± 1364
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1101
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.00326
Std Dev 0.9682
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

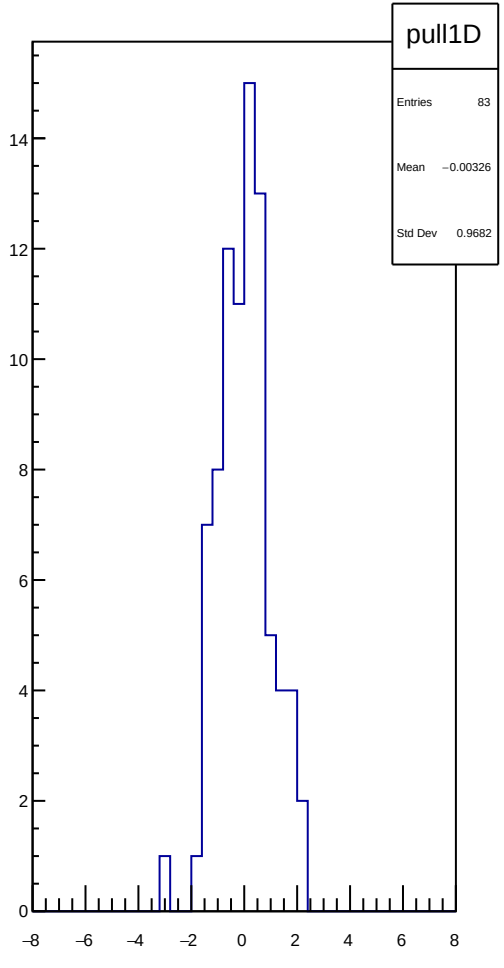

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 138.1 / 82
p0 1212 ± 0.9647
1260
1240
1220
1200
1180

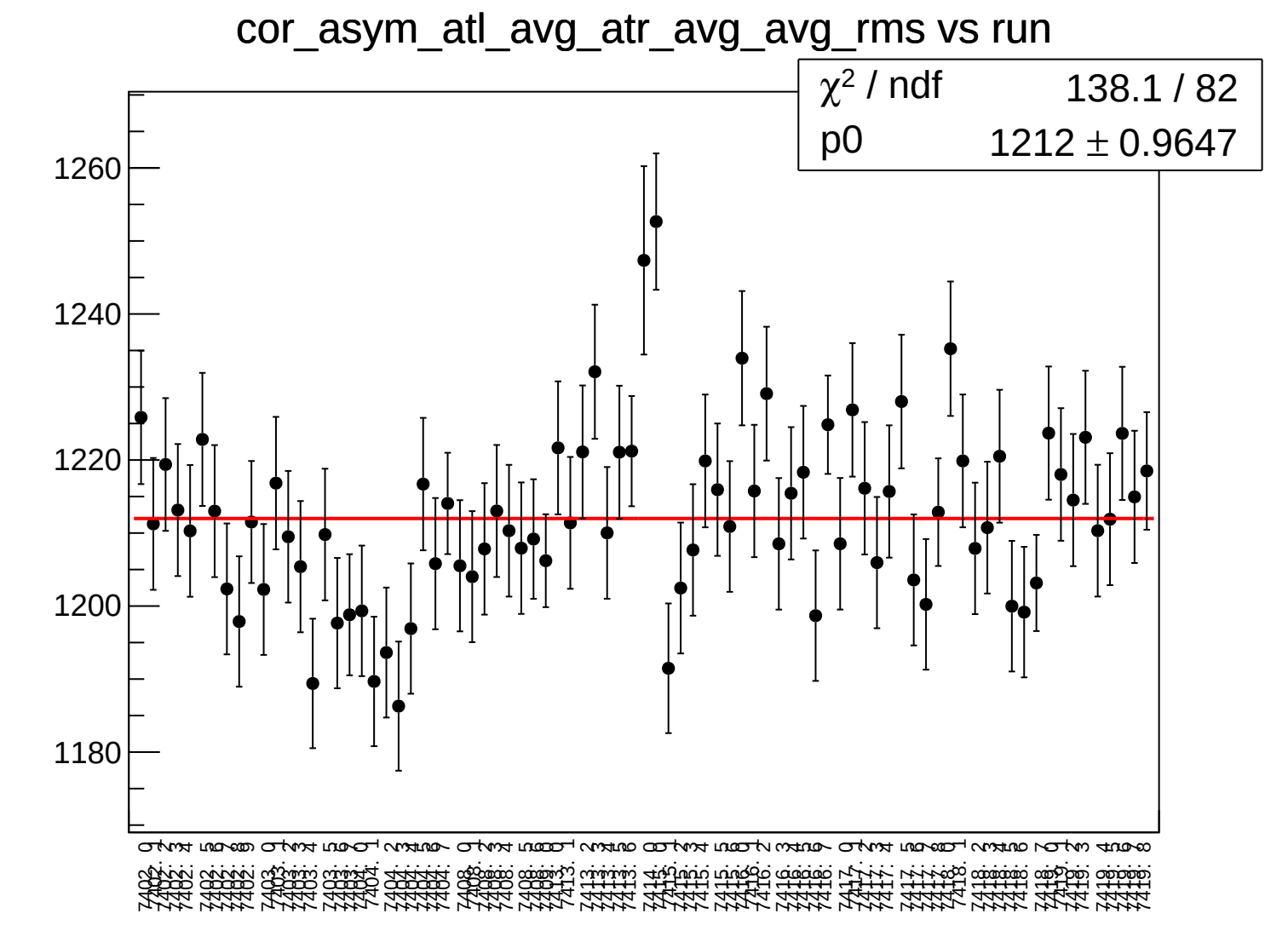

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 80.45 / 82
p0 931.5 ± 4710
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1461
Std Dev 0
2
1
0
−1
−2

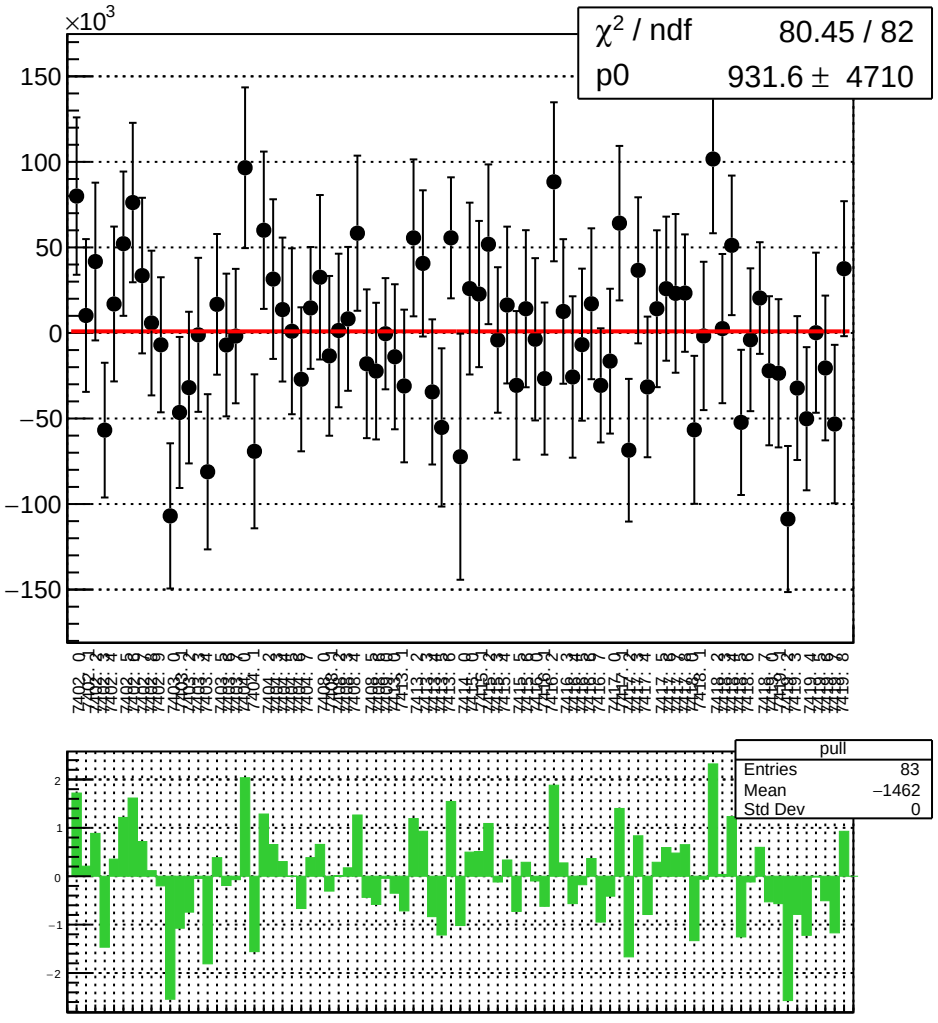

pull1D
Entries 83
Mean 0.001853
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

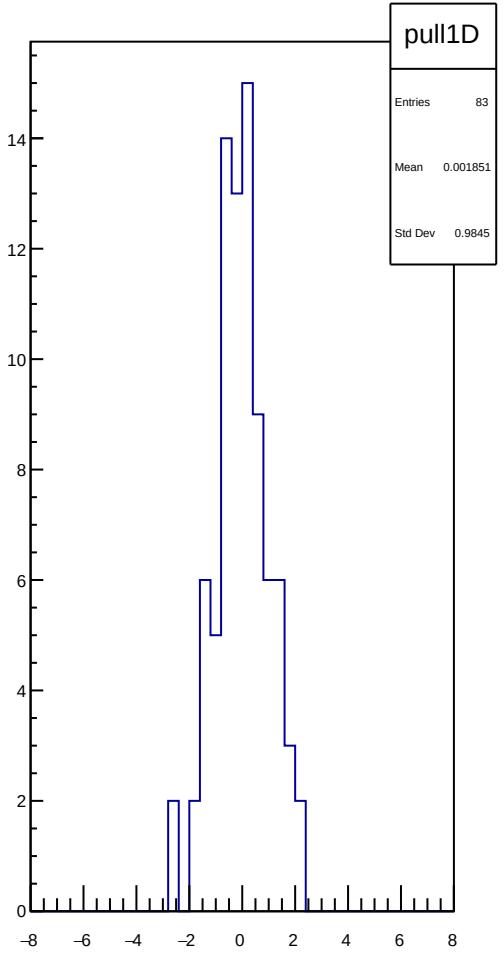

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 3467 / 82
p0 4180 ± 3.33
5000
4800
4600
4400
4200
4000
3800
3600

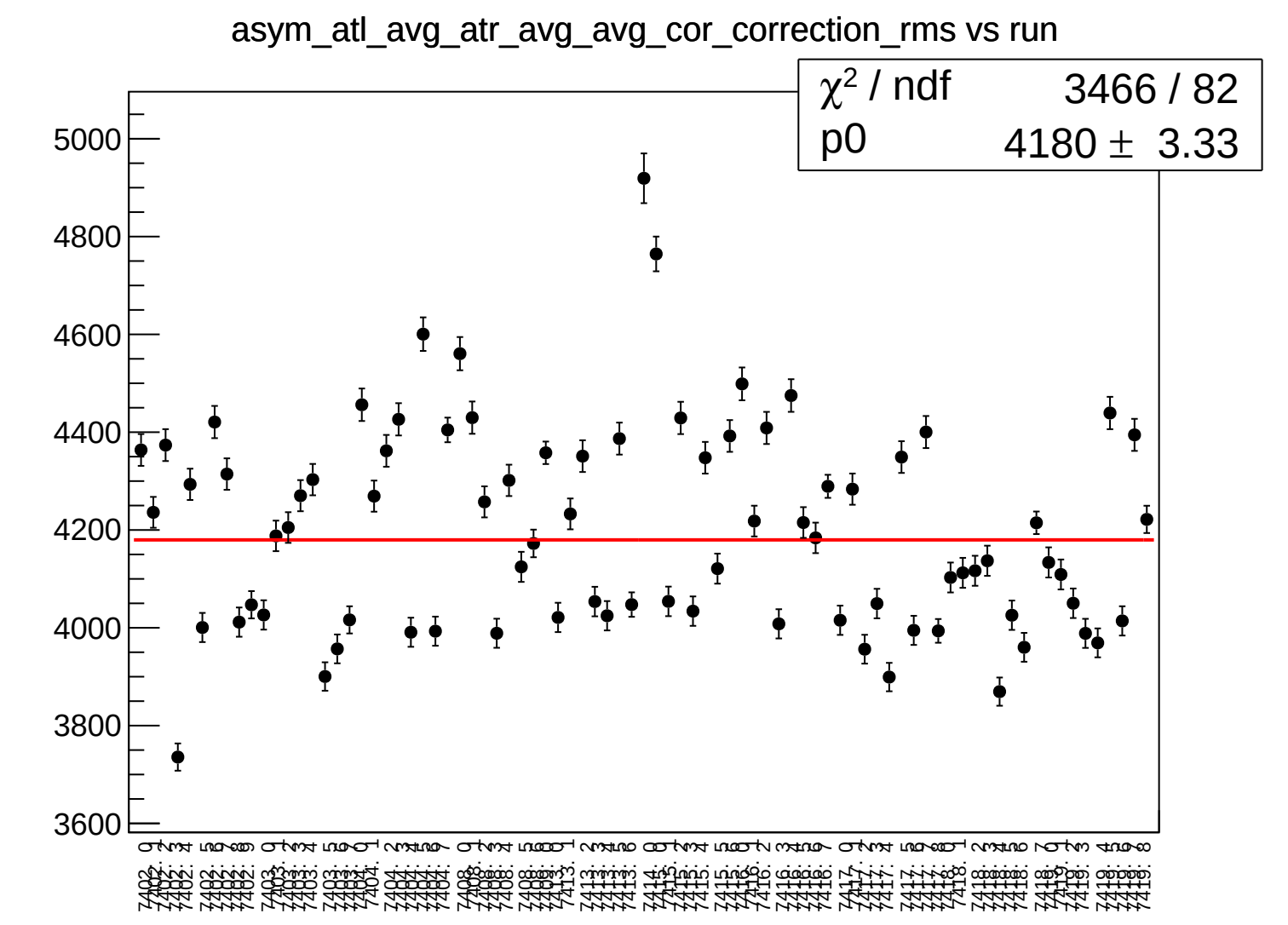

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 77.81 / 82
p0 3505 ± 1364
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1101
Std Dev 0
2
1
0
−1
−2
−3

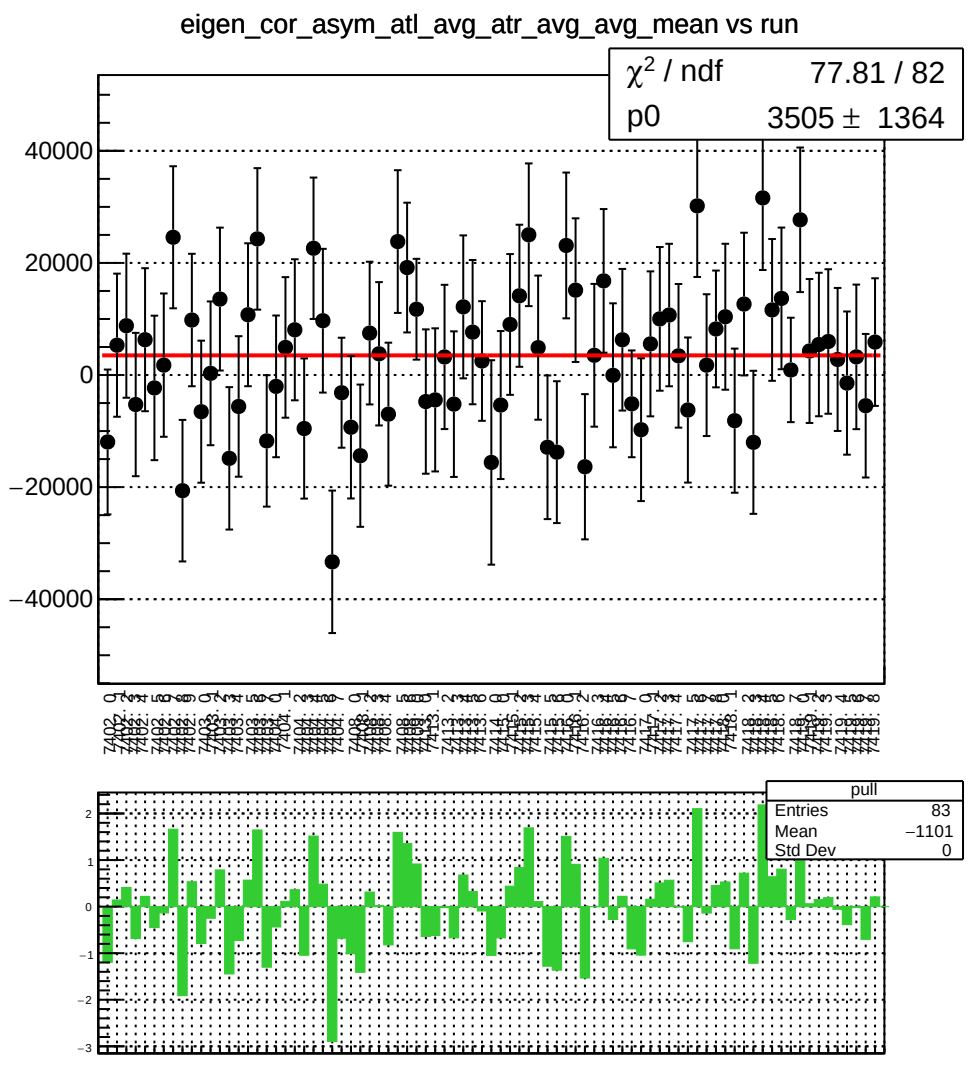

pull1D
Entries 83
Mean −0.00326
Std Dev 0.9682
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

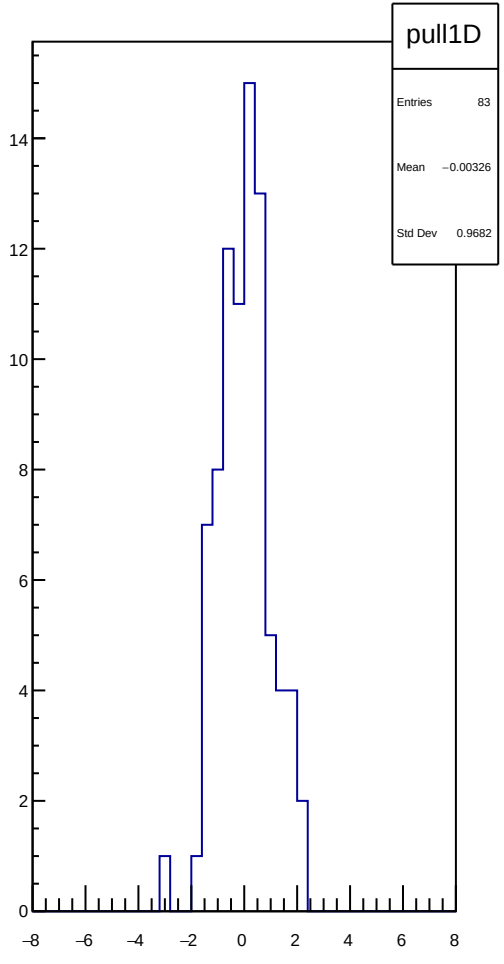

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 138.1 / 82
p0 1212 ± 0.9647
1260
1240
1220
1200
1180

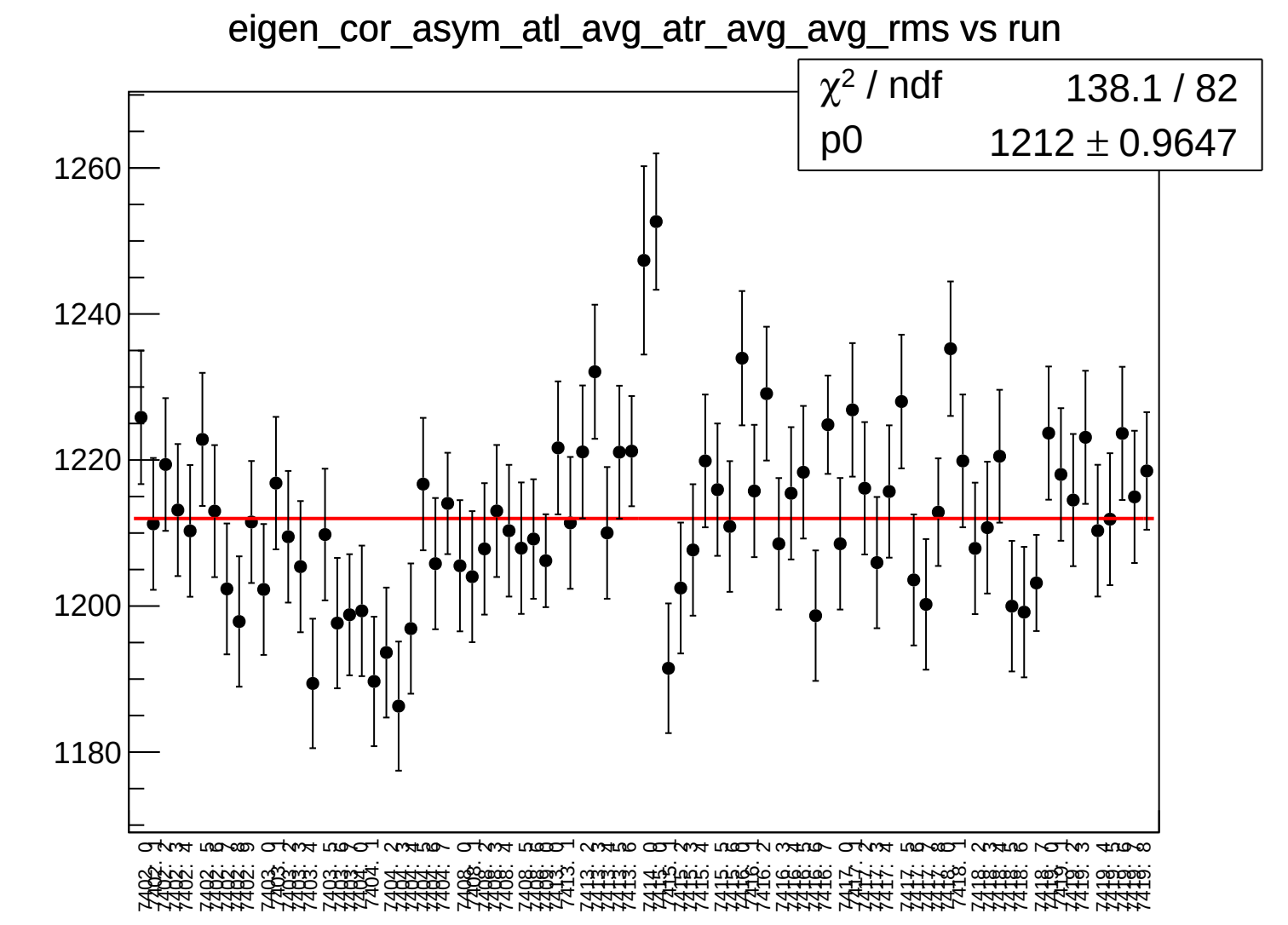

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 80.45 / 82
p0 931.6 ± 4710
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1462
Std Dev 0
2
1
0
−1
−2

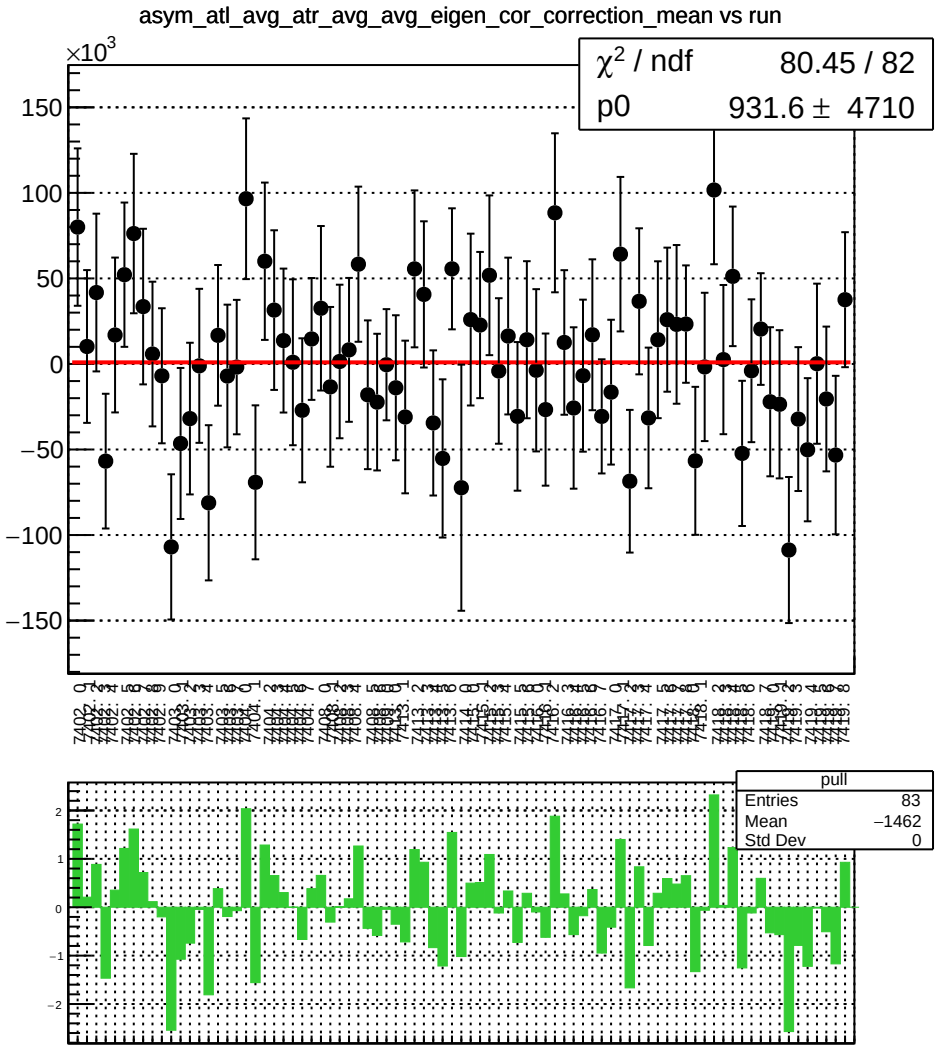

pull1D
Entries 83
Mean 0.001851
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

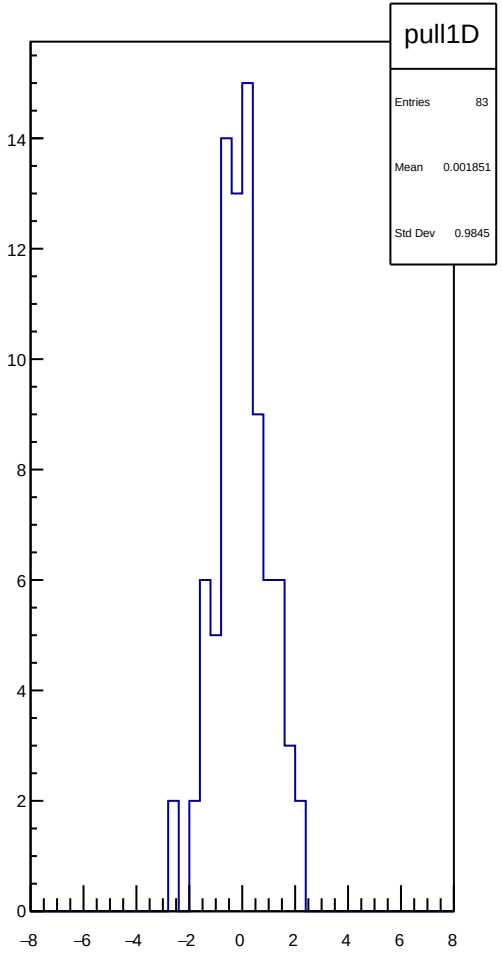

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 3466 / 82
p0 4180 ± 3.33
5000
4800
4600
4400
4200
4000
3800
3600

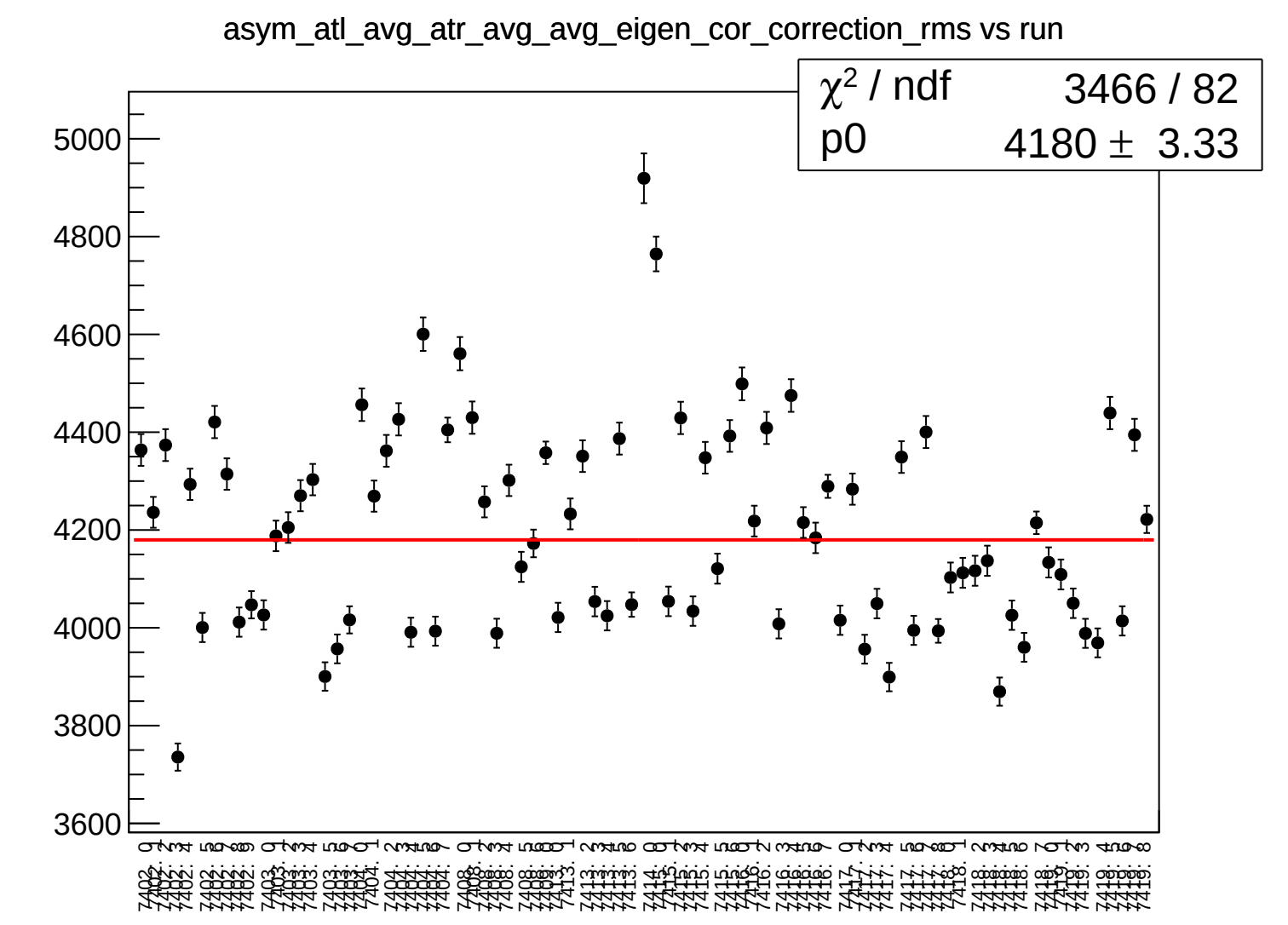

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 77.81 / 82
p0 3505 ± 1364
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −1101
Std Dev 0
2
1
0
−1
−2
−3

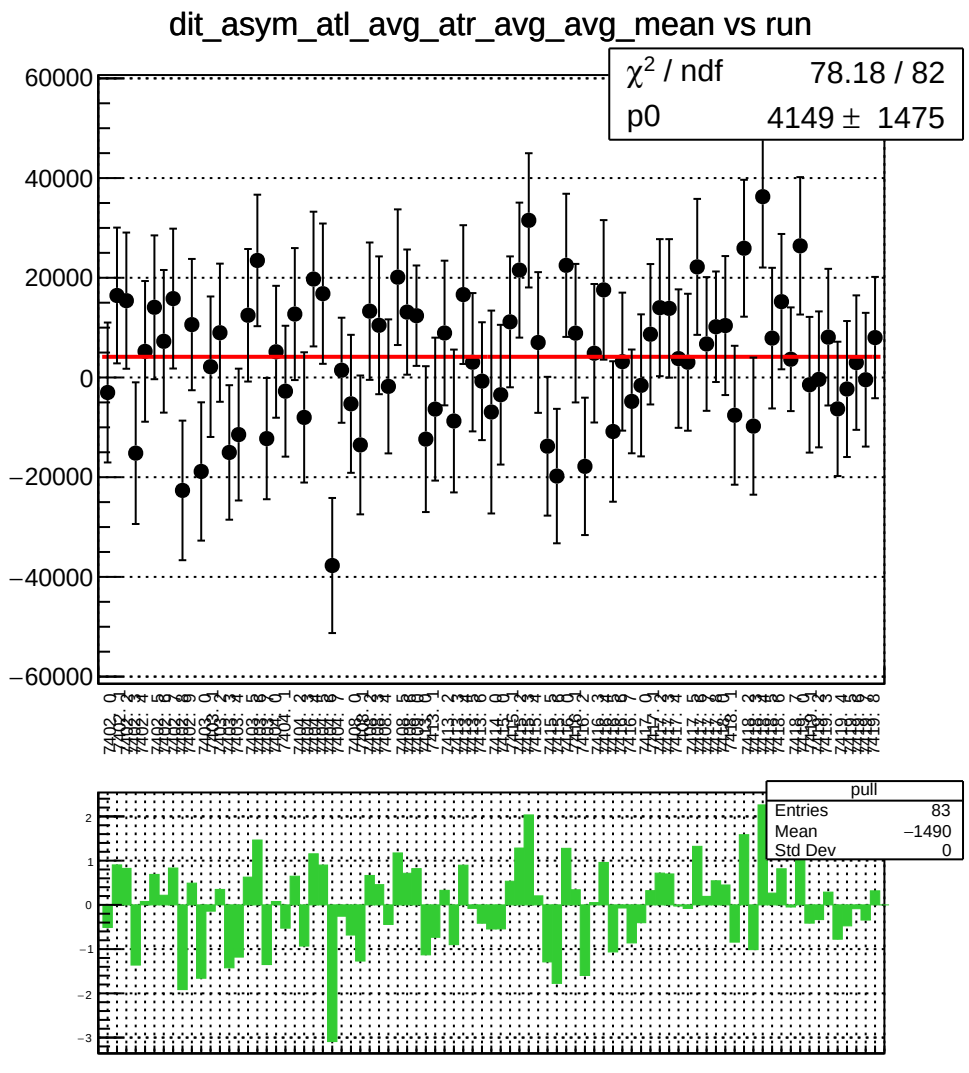

pull1D
Entries 83
Mean −0.00326
Std Dev 0.9682
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

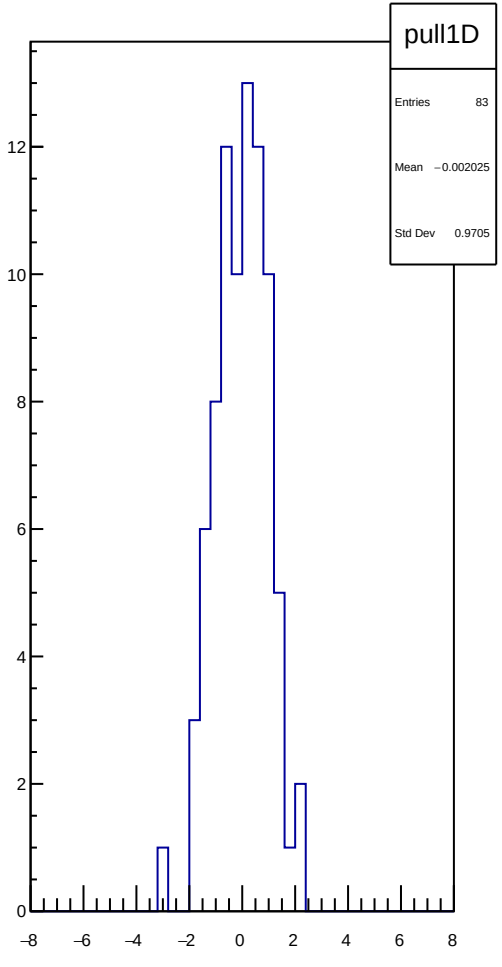

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 138.1 / 82
p0 1212 ± 0.9647
1260
1240
1220
1200
1180

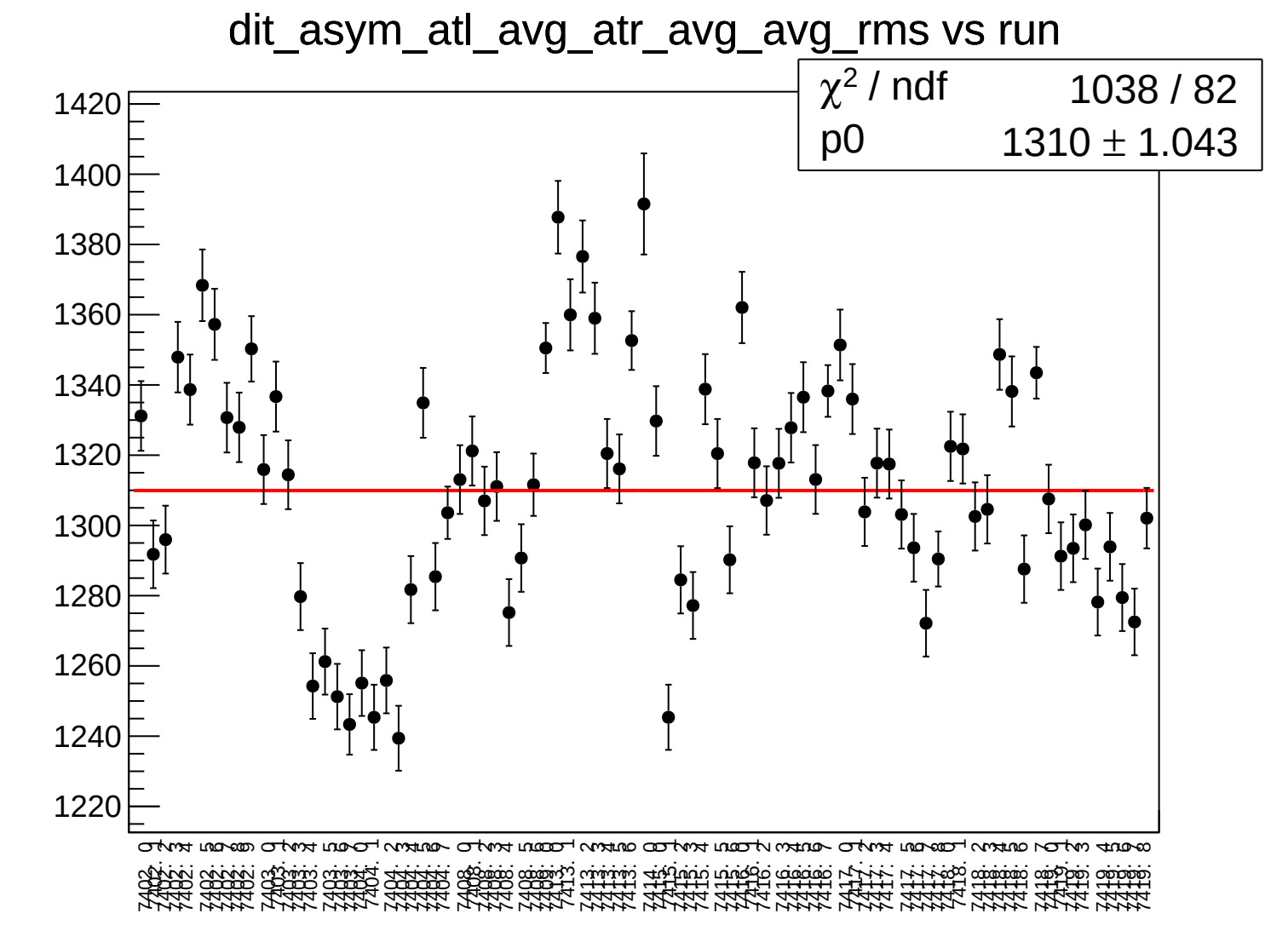

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.45 / 82
p0 931.6 ± 4710
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1462
Std Dev 0
2
1
0
−1
−2

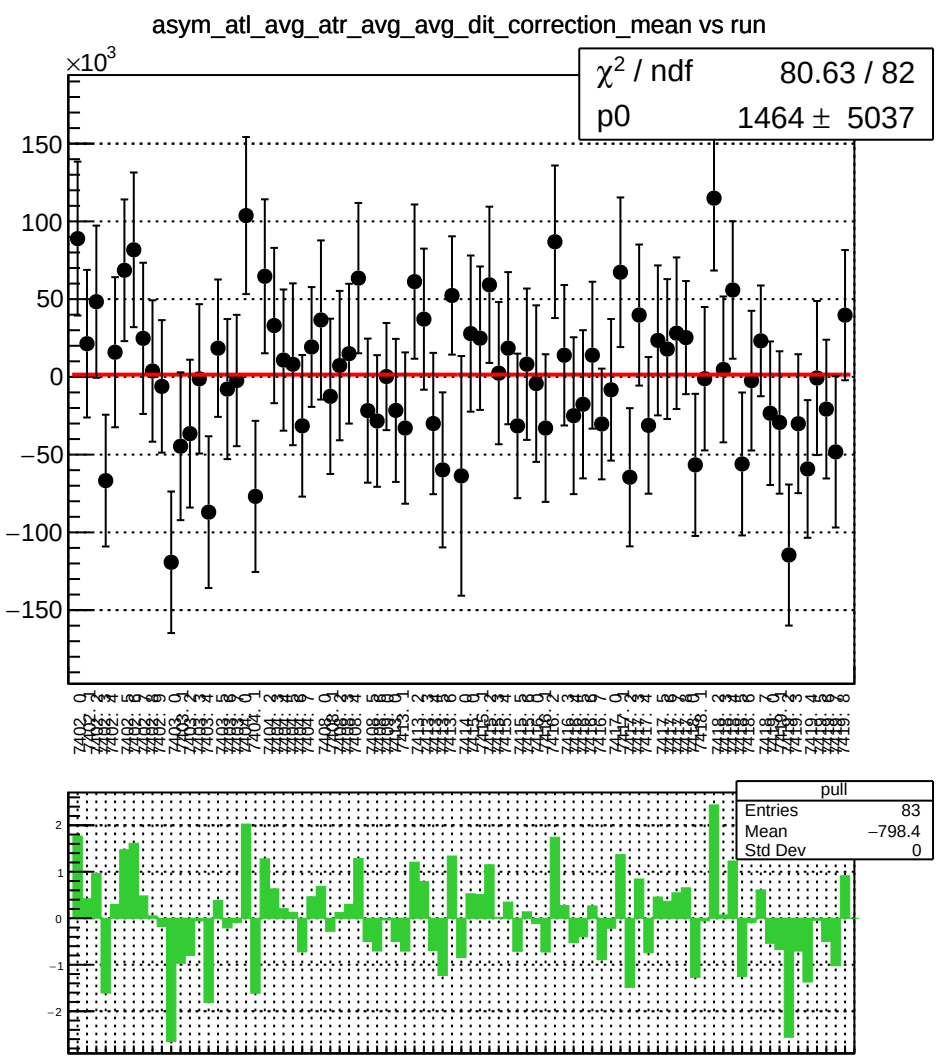

pull1D
Entries 83
Mean 0.001851
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

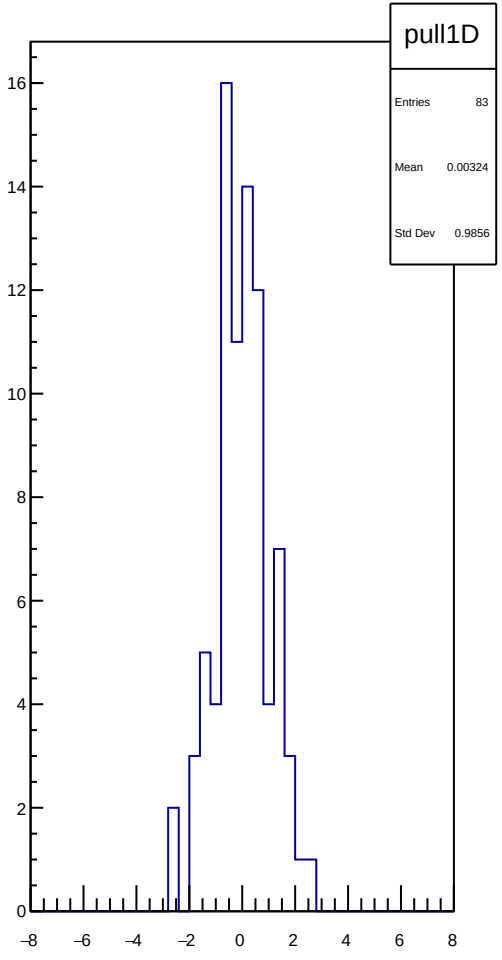

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3466 / 82
p0 4180 ± 3.33
5000
4800
4600
4400
4200
4000
3800
3600

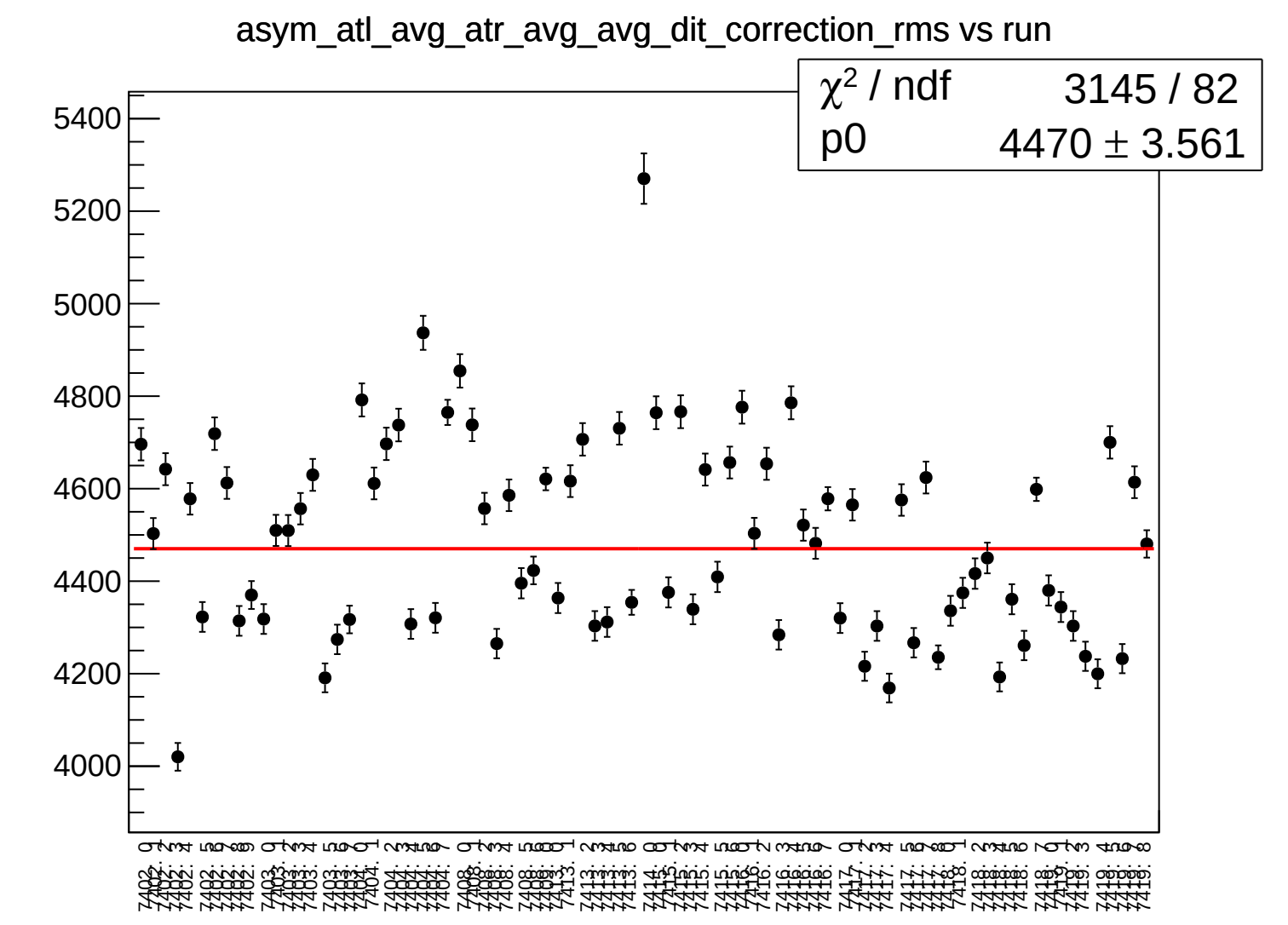

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 78.18 / 82
p0 4149 ± 1475
pull
Entries 83
Mean −1490
Std Dev 0

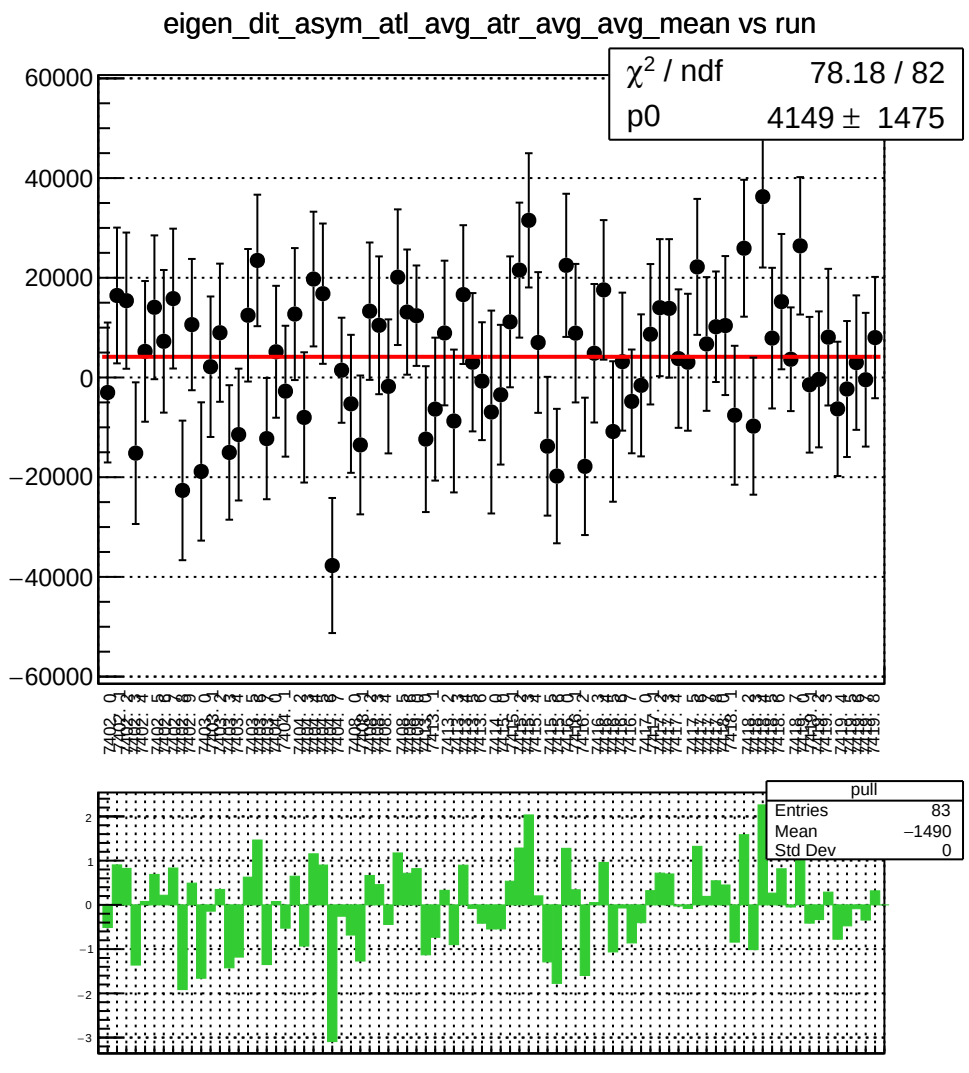

pull1D
Entries 83
Mean −0.002025
Std Dev 0.9705

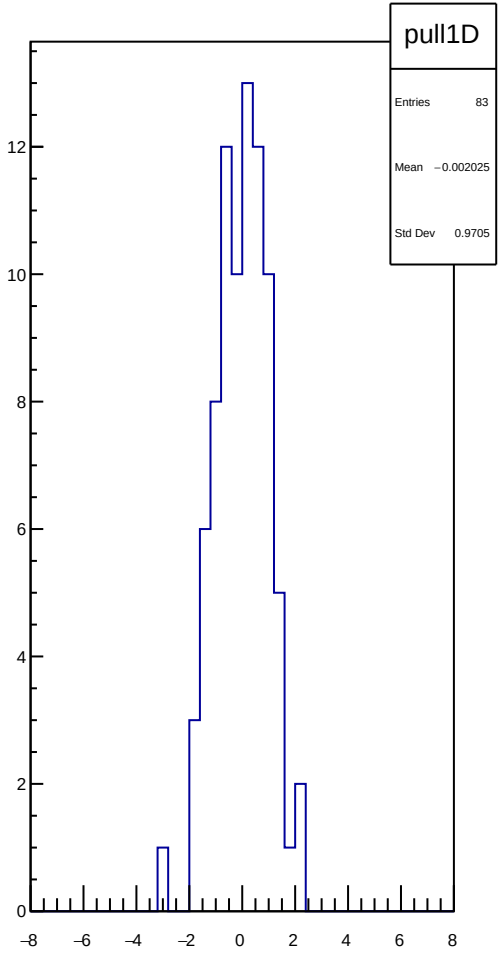

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1038 / 82
p0 1310 ± 1.043
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220

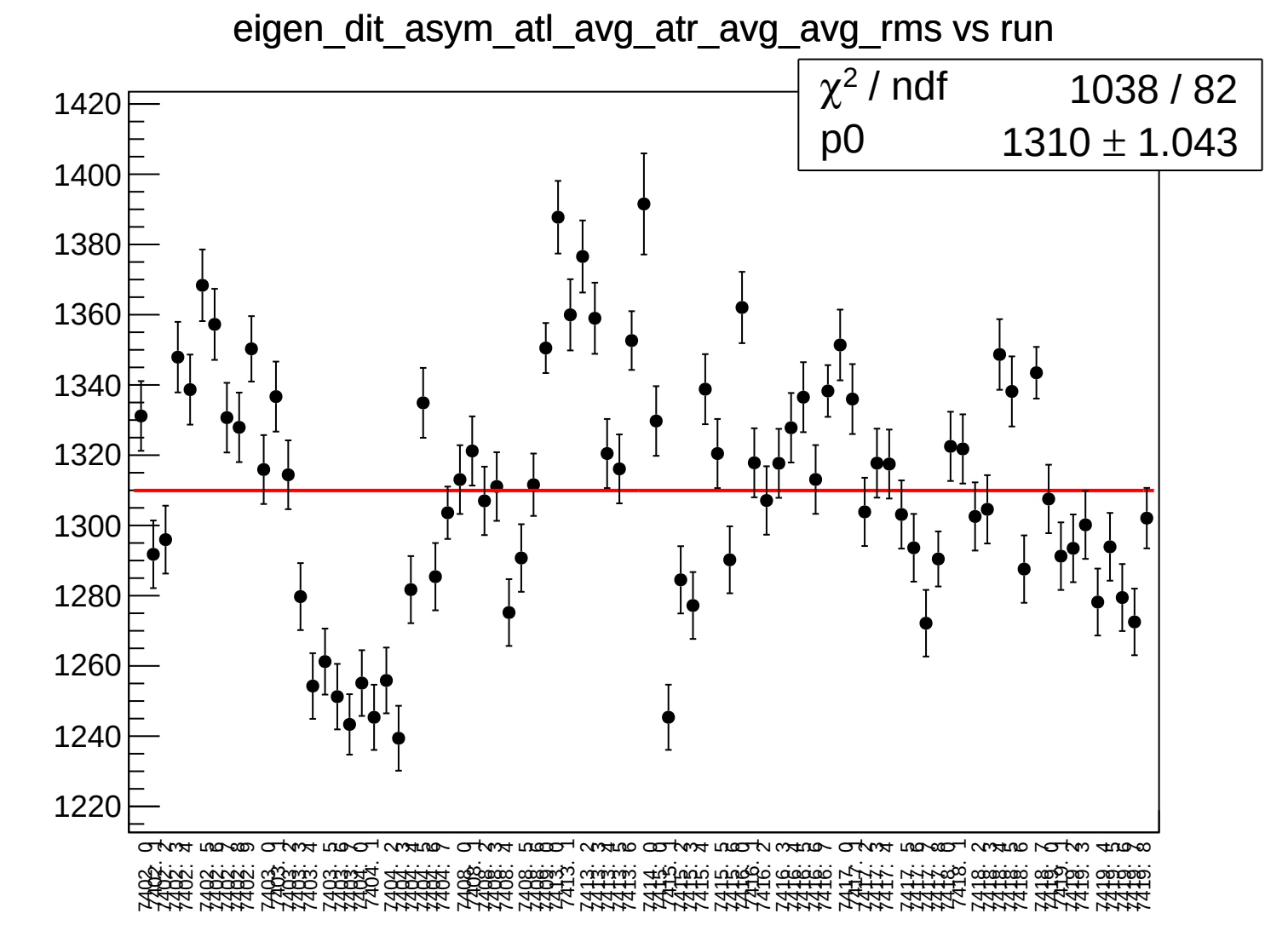

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 80.63 / 82
p0 1464 ± 5037
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −798.4
Std Dev 0
2
1
0
−1
−2

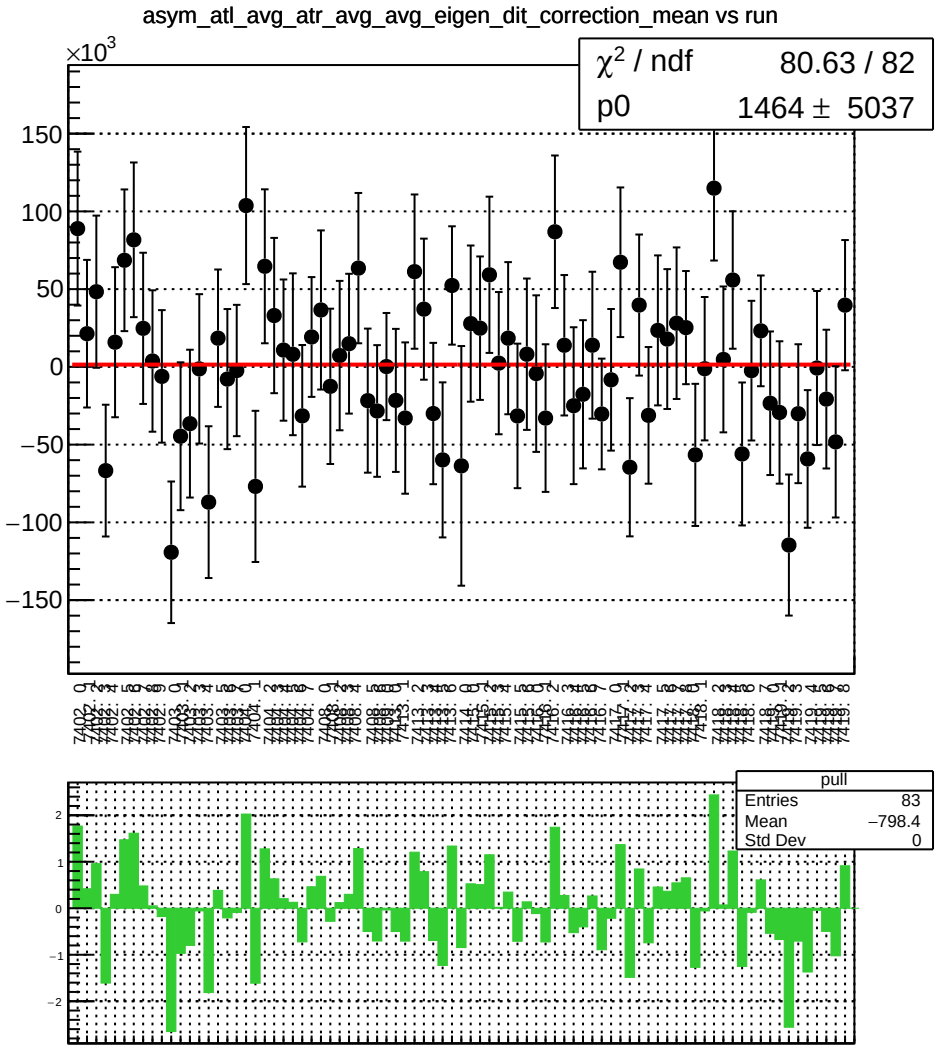

pull1D
Entries 83
Mean 0.00324
Std Dev 0.9856
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

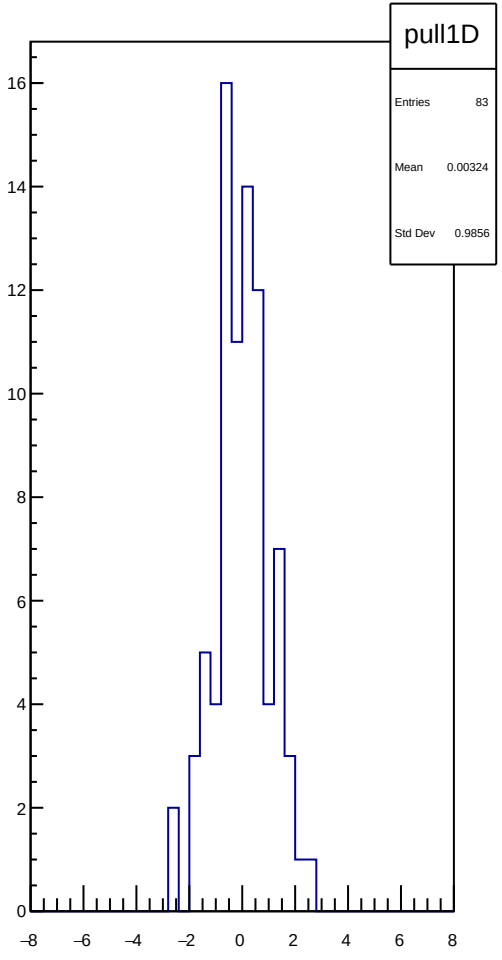

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ^2 / ndf 3145 / 82
p0 4470 ± 3.561
5400
5200
5000
4800
4600
4400
4200
4000


eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 78.18 / 82
p0 4149 ± 1475
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −1490
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 83
Mean −0.002025
Std Dev 0.9705
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 1038 / 82
p0 1310 ± 1.043
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.63 / 82
p0 1464 ± 5037
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −798.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.00324
Std Dev 0.9856
16
14
12
10
8
6
4
2
0
−8
−6
−4
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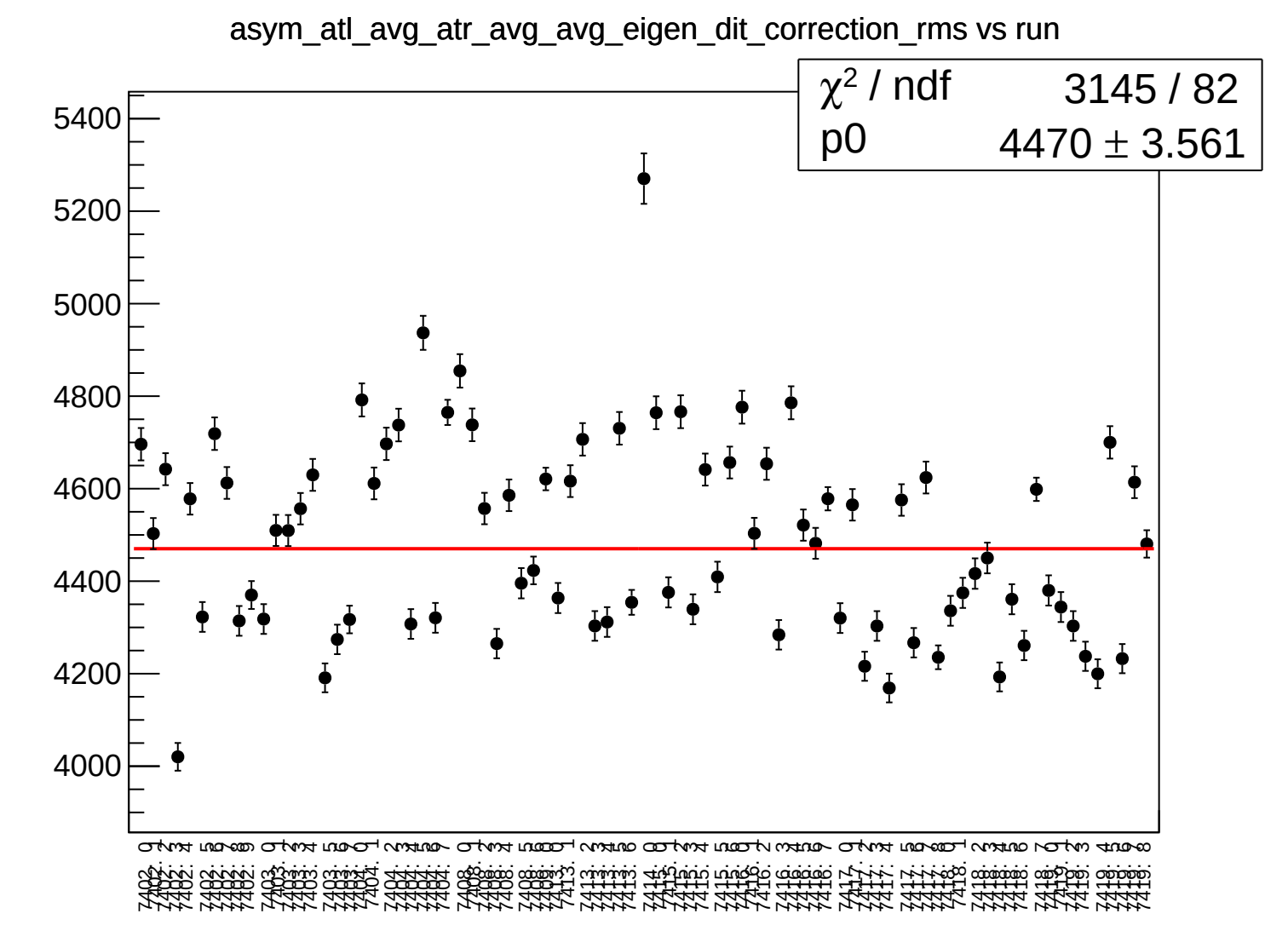
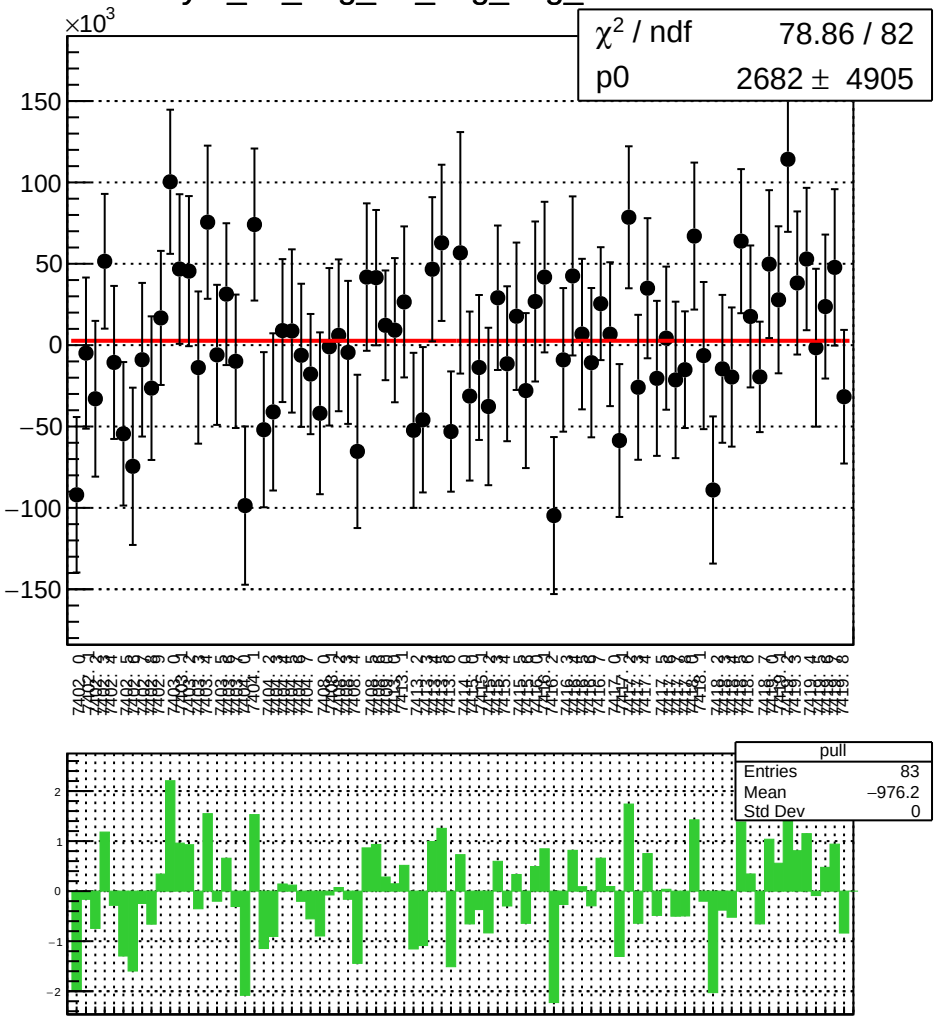
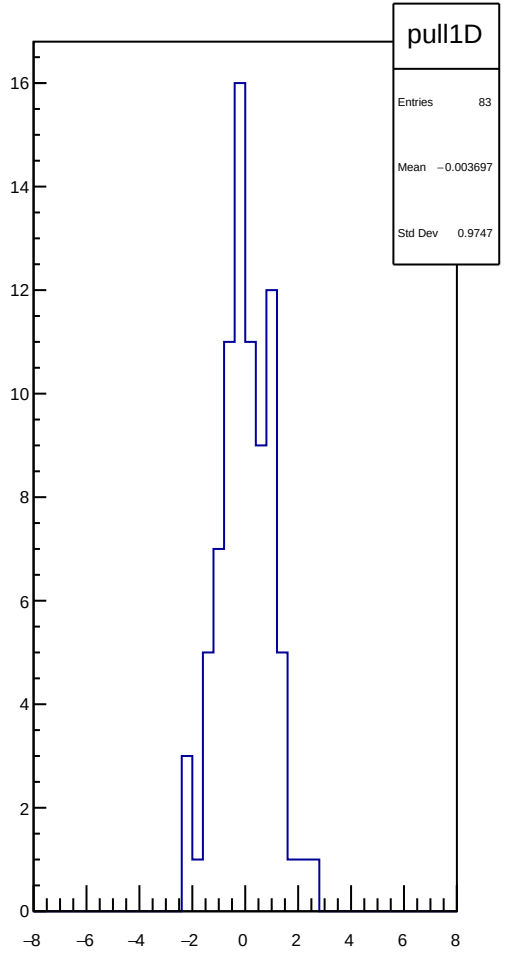
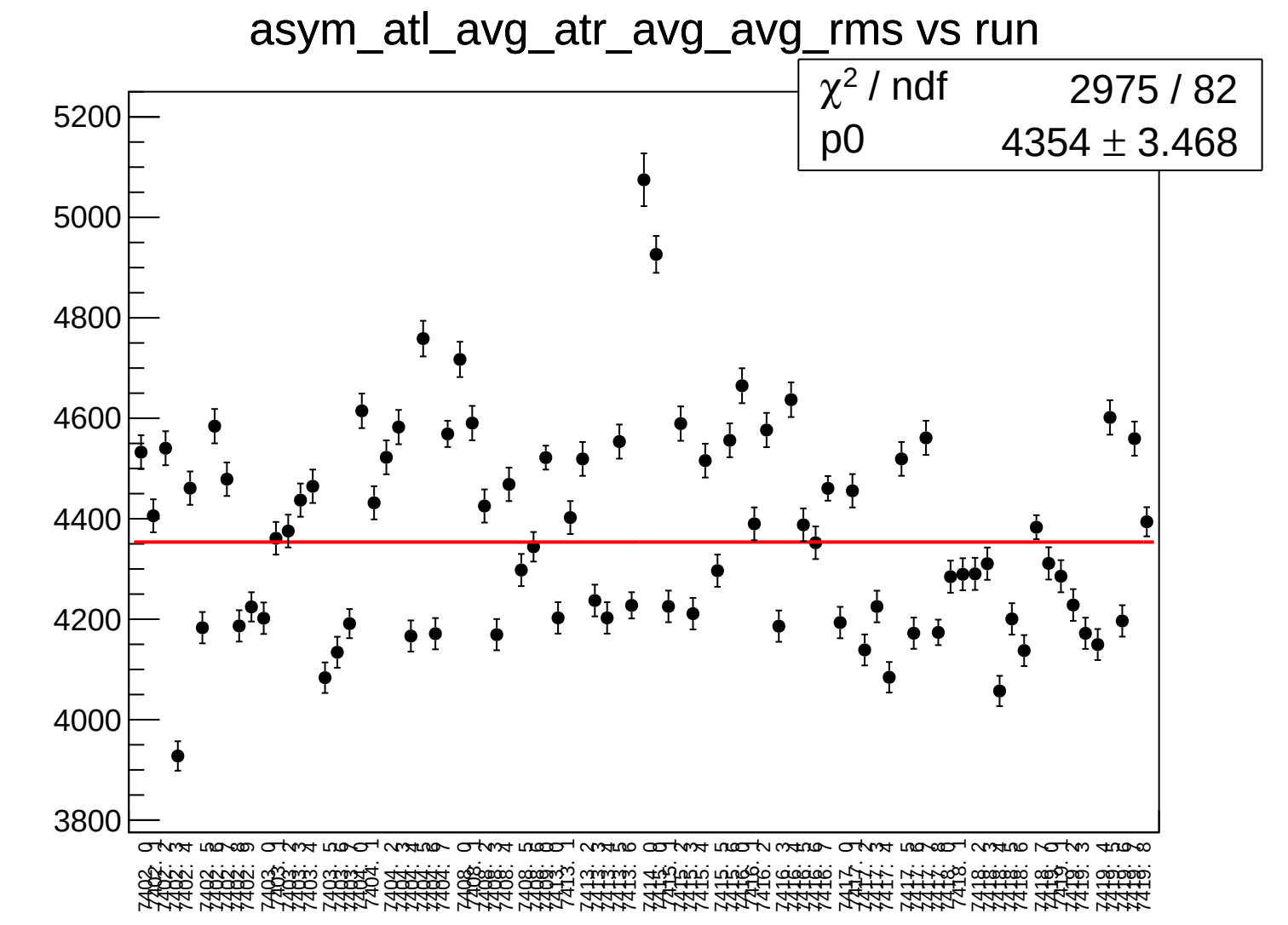
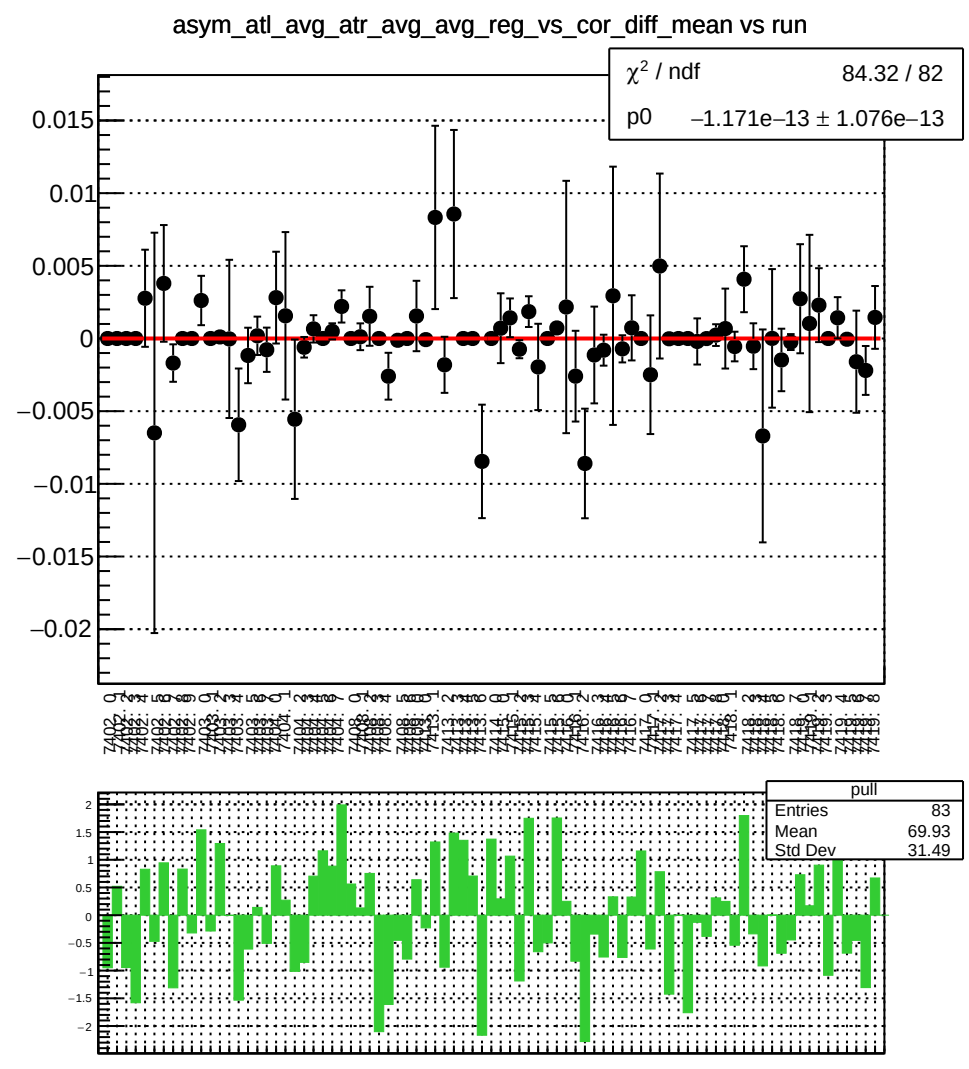
0
2
4
6
8

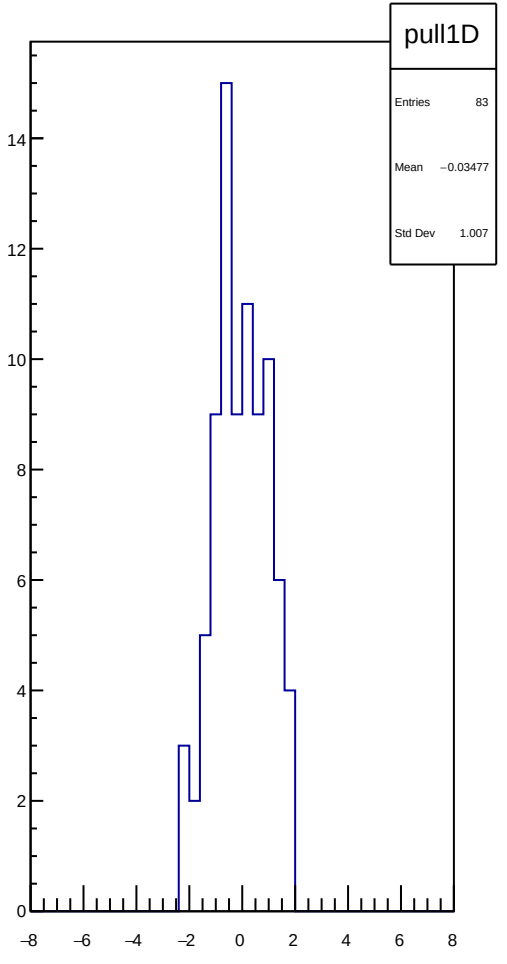

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3145 / 82
p0 4470 ± 3.561
5400
5200
5000
4800
4600
4400
4200
4000

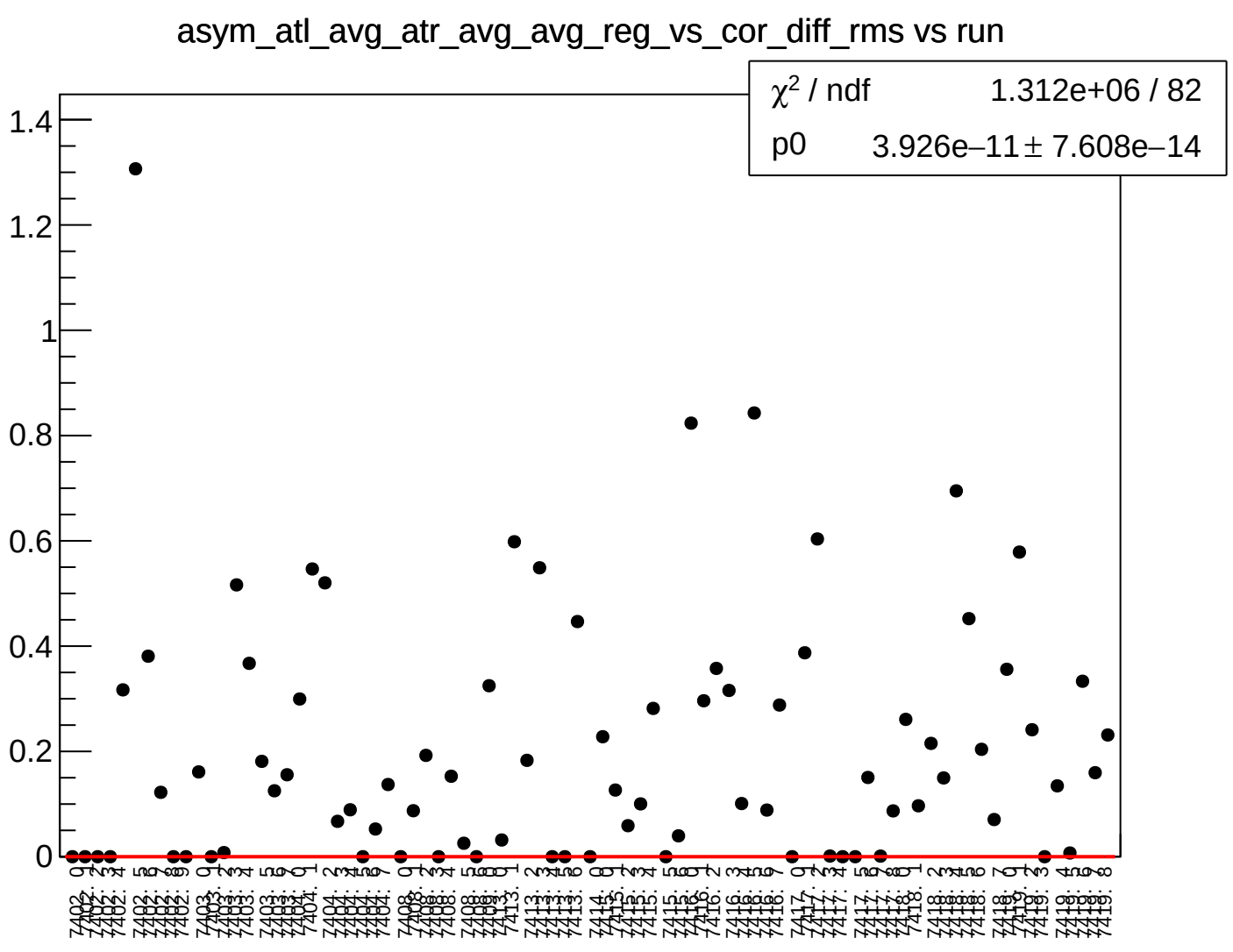

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 78.86 / 82
p0 2682 ± 4905
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −976.2
Std Dev 0
2
1
0
−1
−2

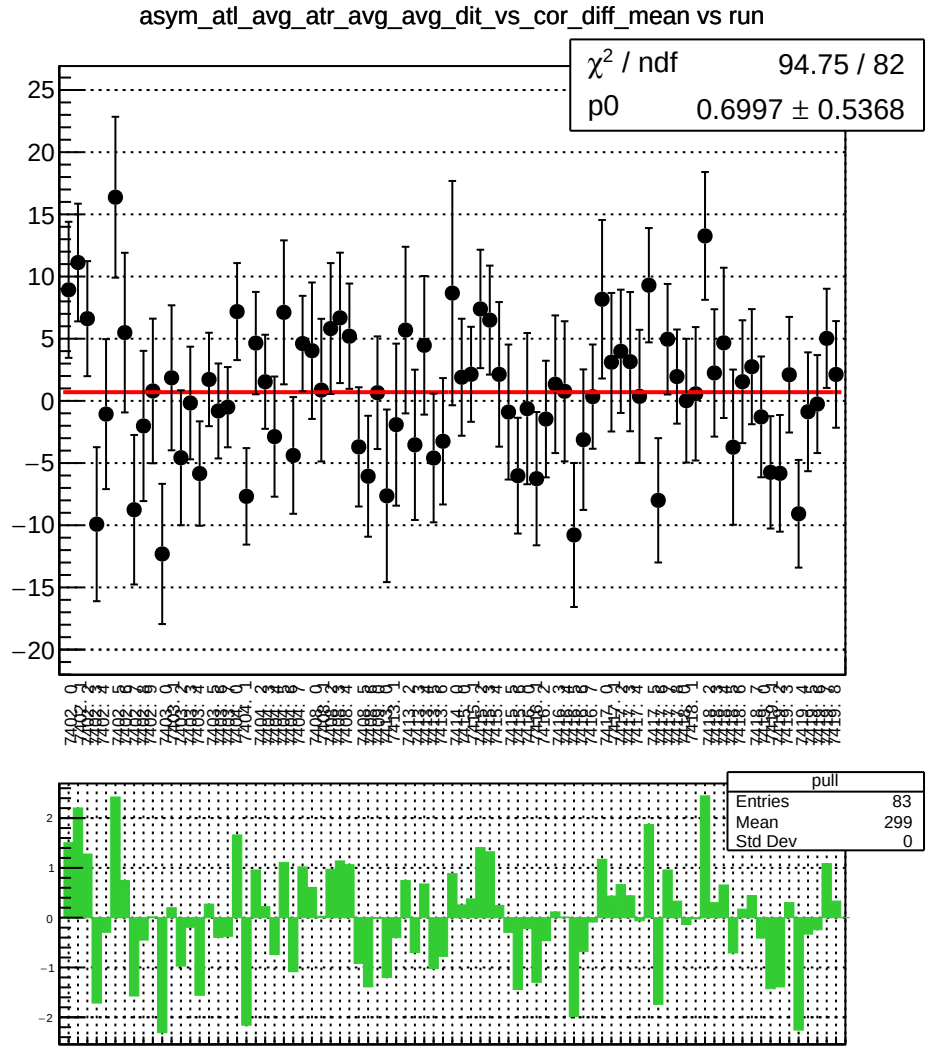

pull1D
Entries 83
Mean −0.003697
Std Dev 0.9747
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

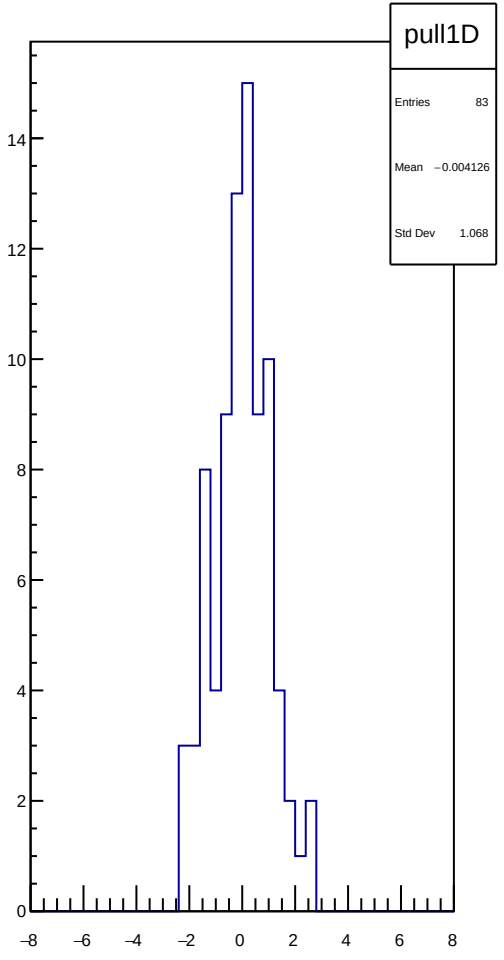

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2975 / 82
p0 4354 ± 3.468
5200
5000
4800
4600
4400
4200
4000
3800

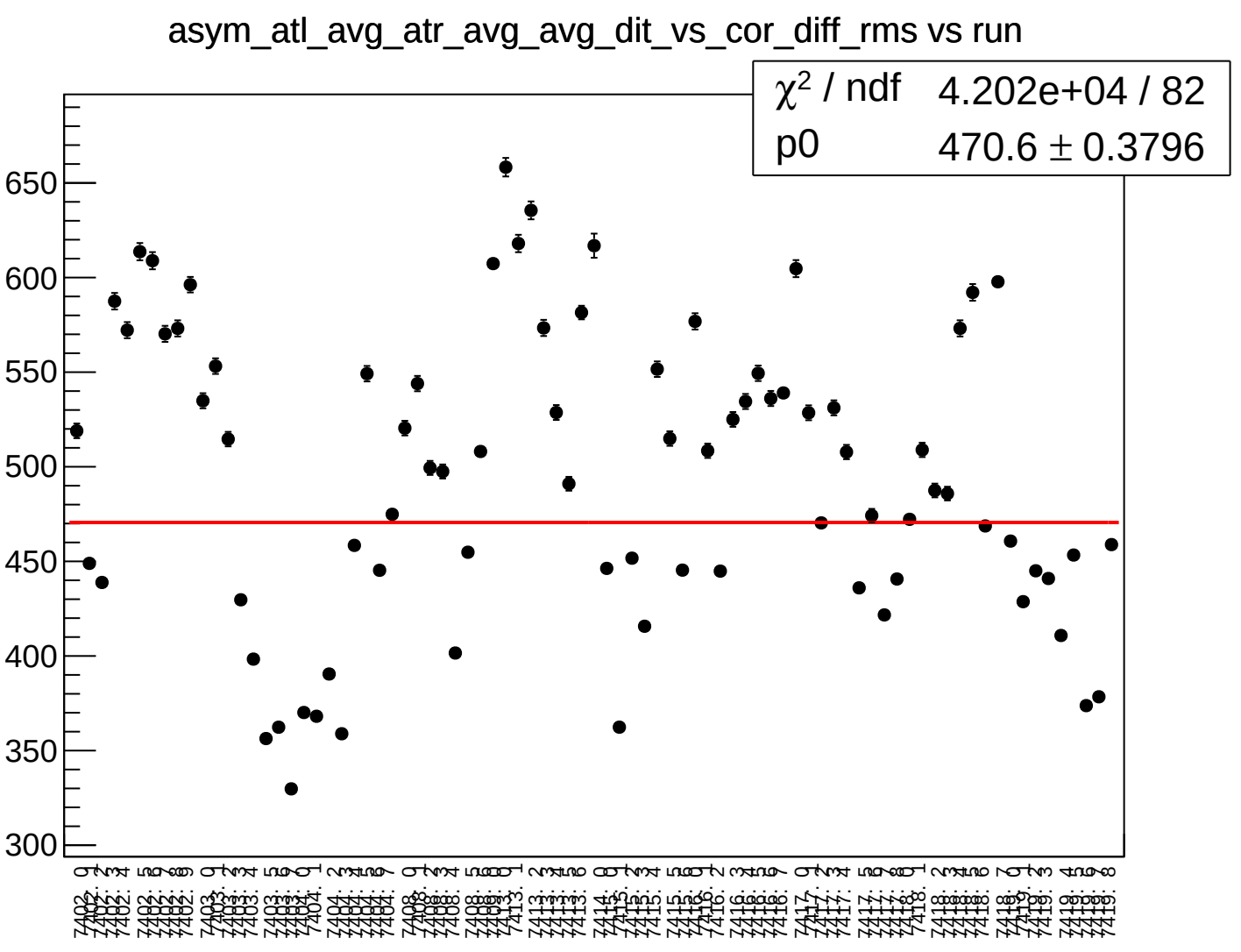

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.32 / 82
p0 −1.171e−13 ± 1.076e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 83
Mean 69.93
Std Dev 31.49
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

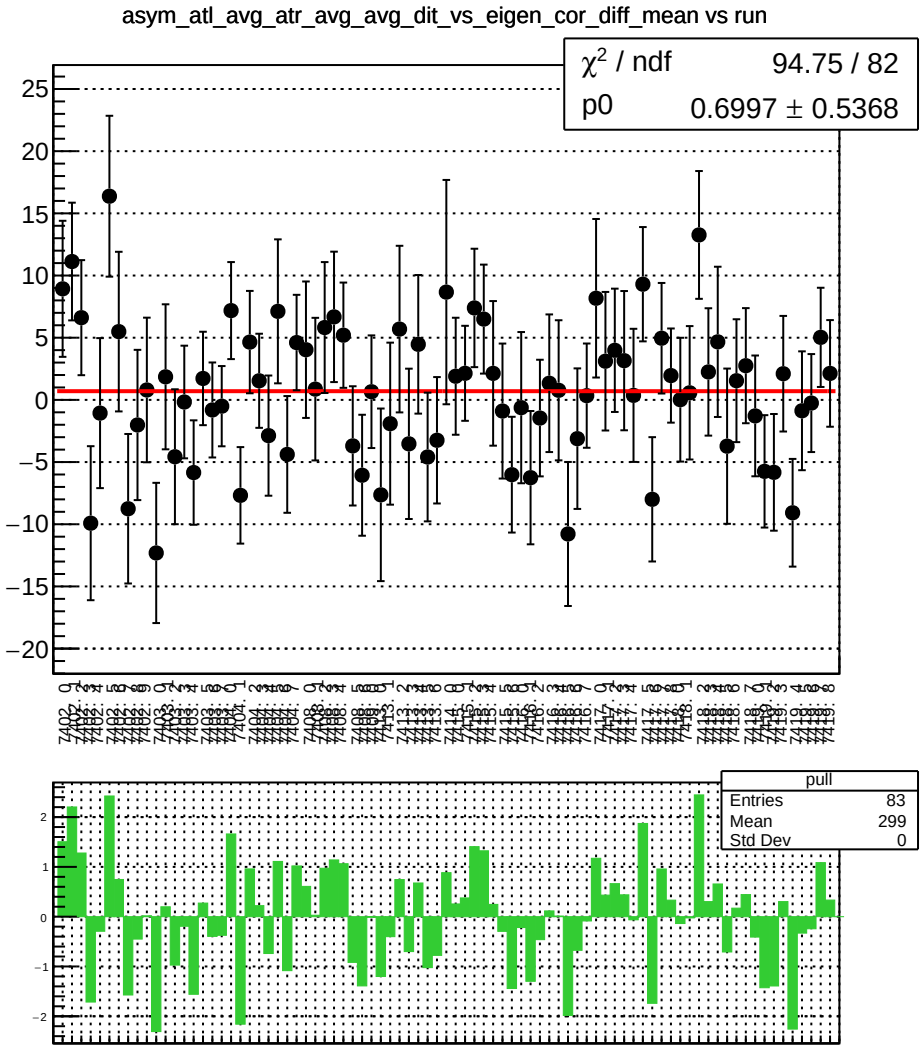

pull1D
Entries 83
Mean −0.03477
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

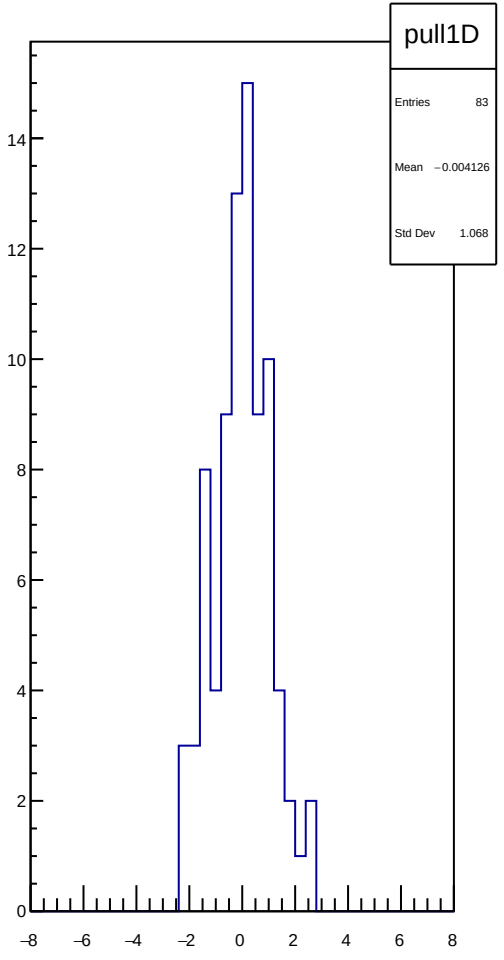

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.312e+06 / 82
p0 3.926e−11 ± 7.608e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

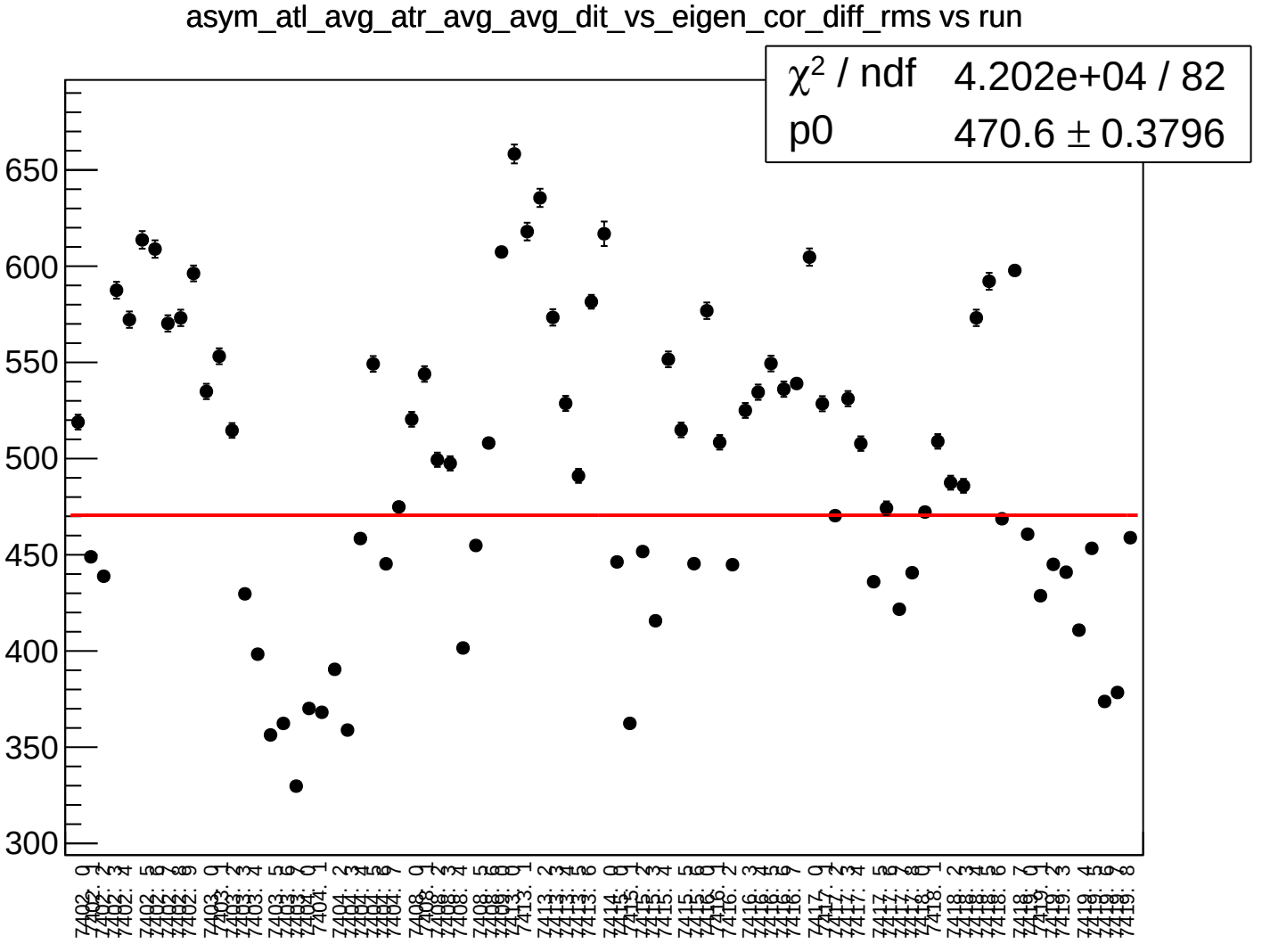

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 94.75 / 82
p0 0.6997 ± 0.5368
pull
Entries 83
Mean 299
Std Dev 0

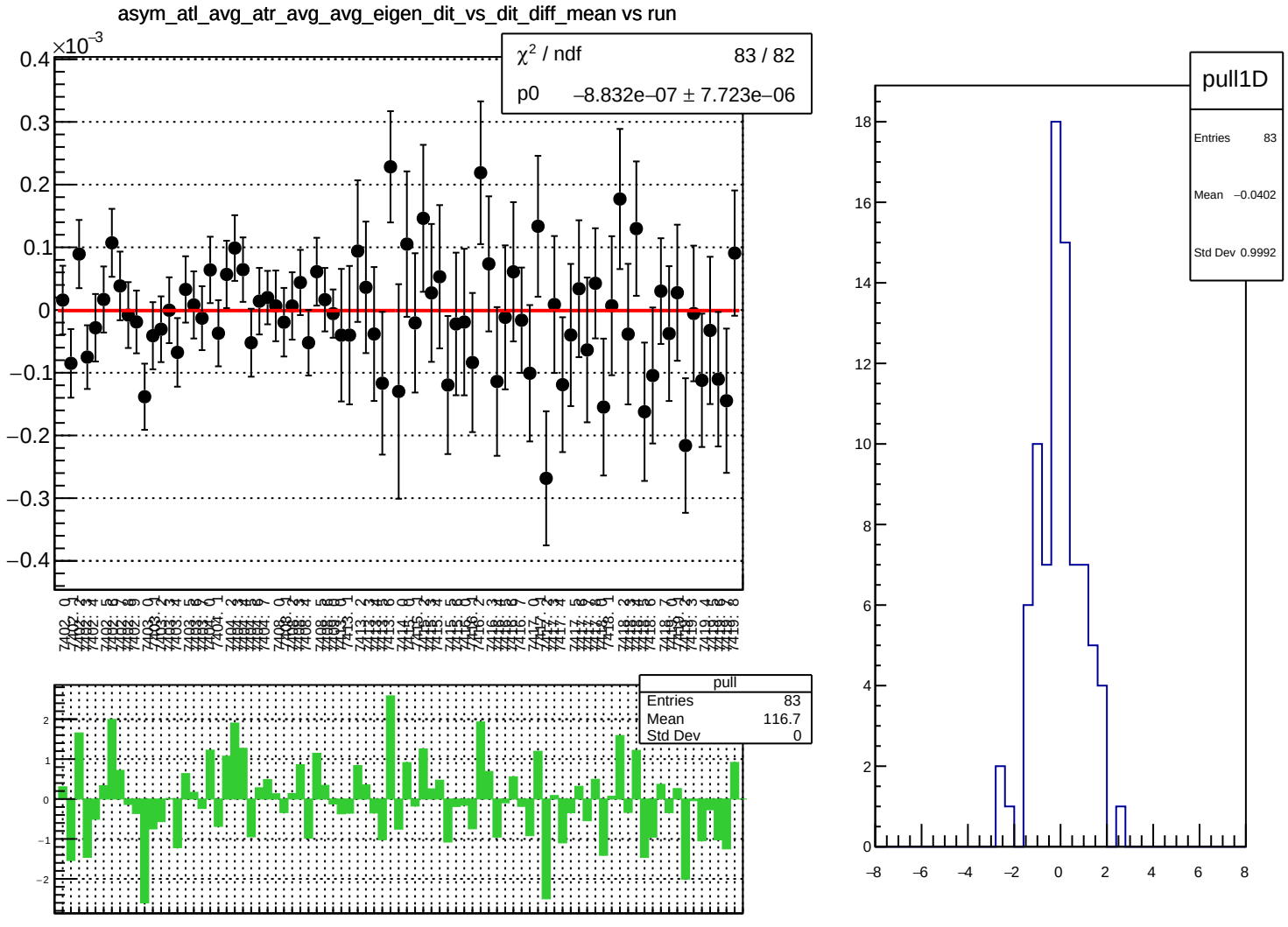

pull1D
Entries 83
Mean −0.004126
Std Dev 1.068

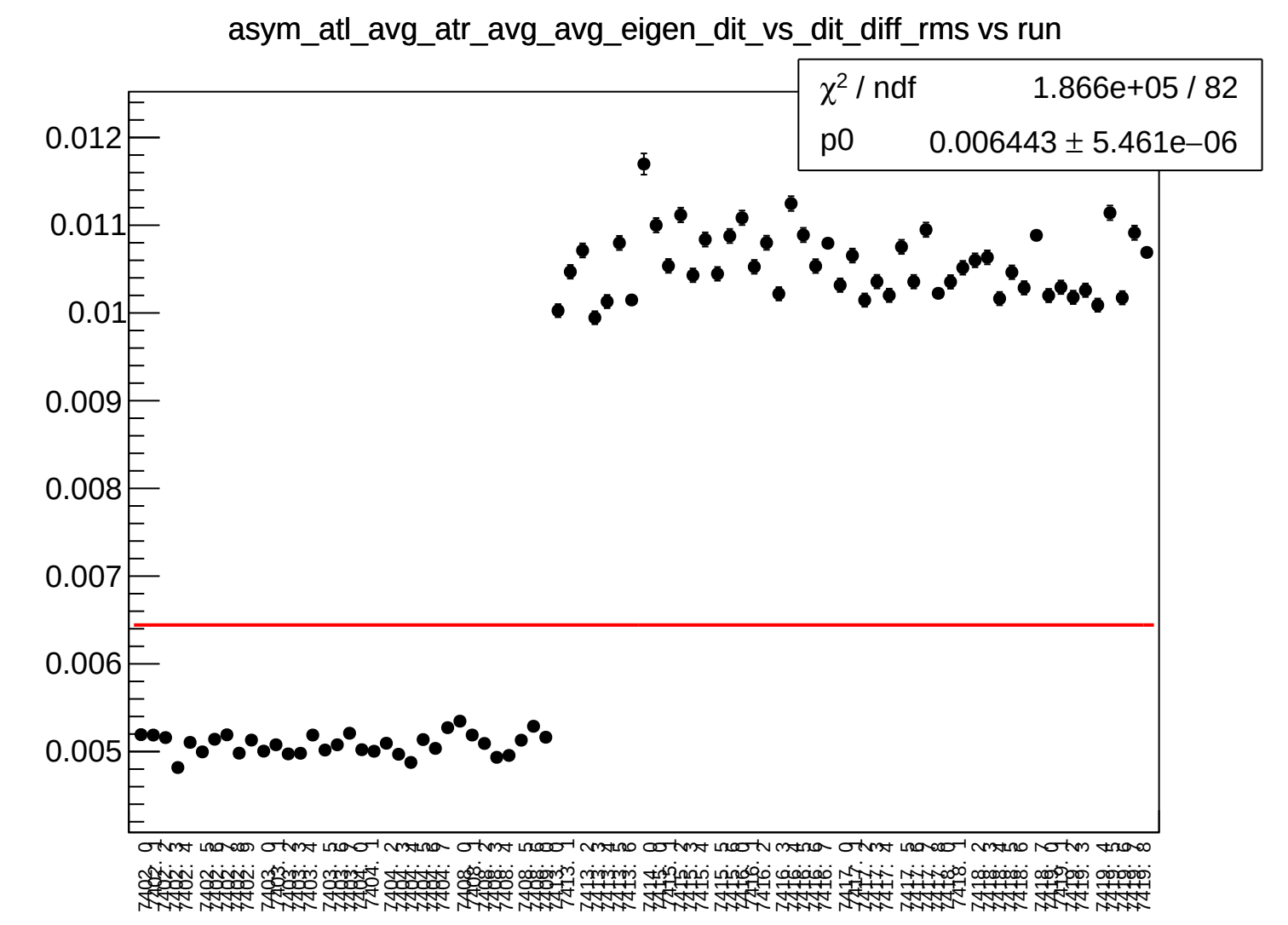

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.202e+04 / 82
p0 470.6 ± 0.3796
650
600
550
500
450
400
350
300

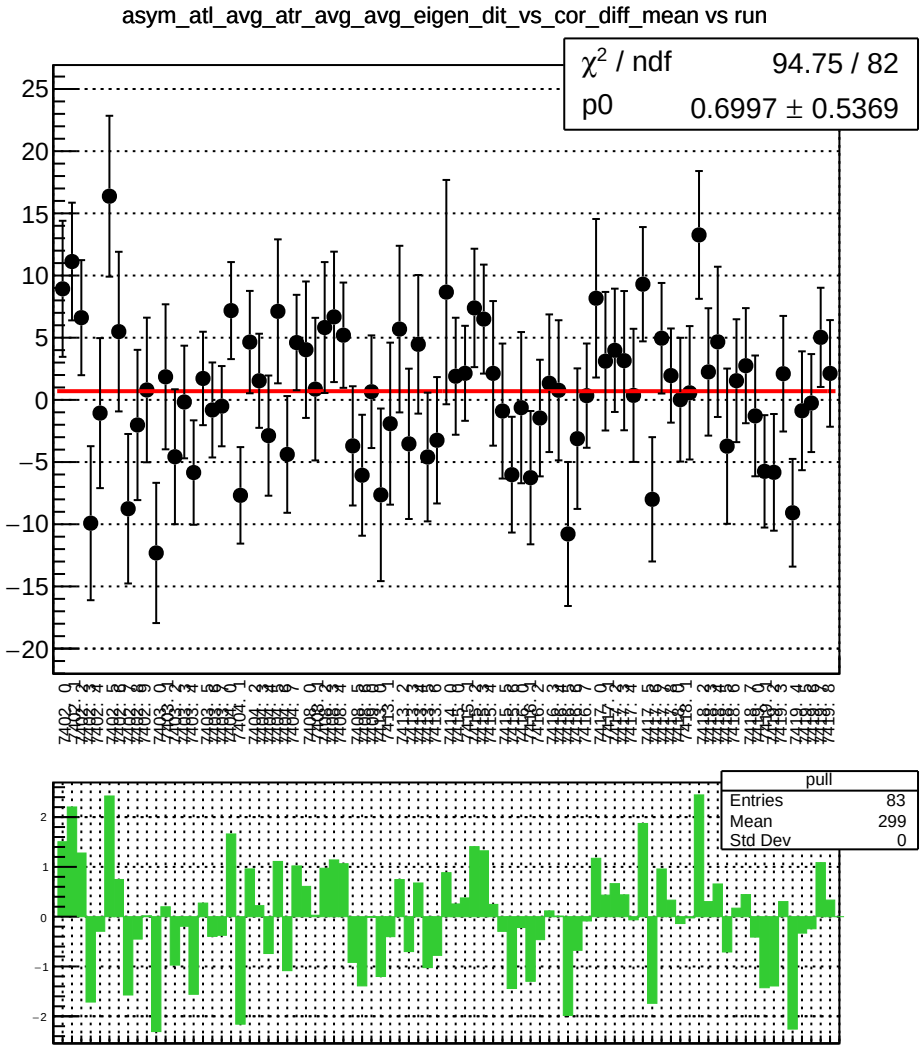

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.75 / 82
p0 0.6997 ± 0.5368
pull
Entries 83
Mean 299
Std Dev 0

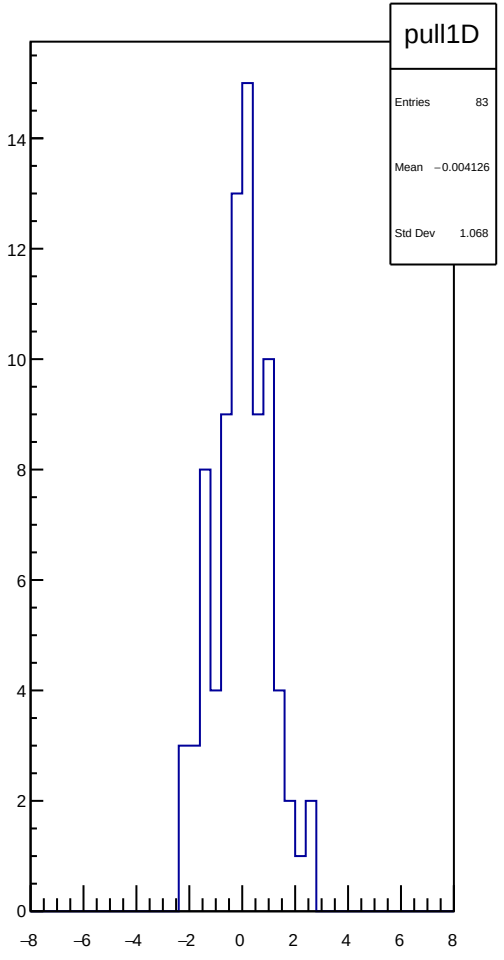

pull1D
Entries 83
Mean −0.004126
Std Dev 1.068

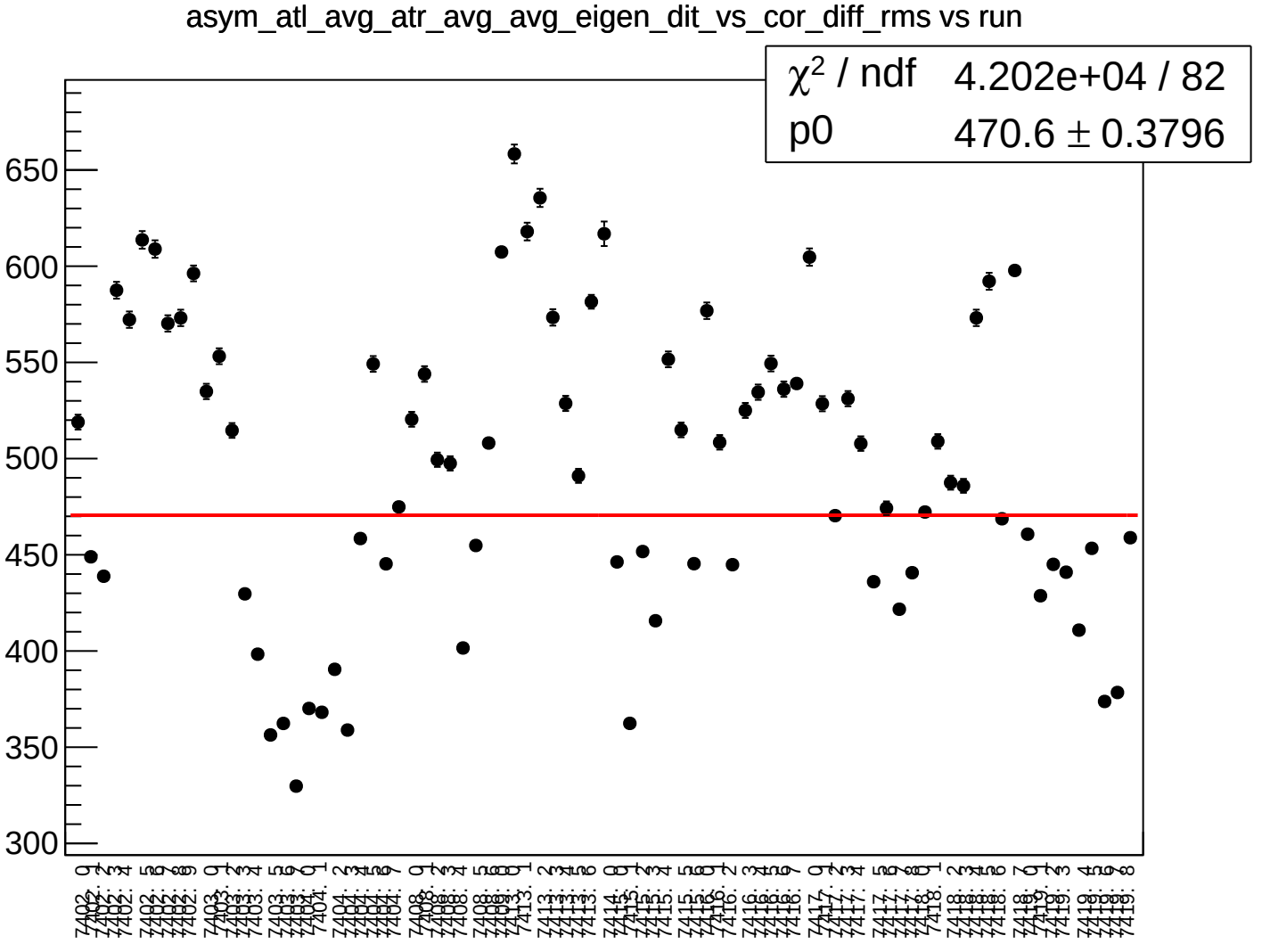

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.202e+04 / 82
p0 470.6 ± 0.3796
650
600
550
500
450
400
350
300

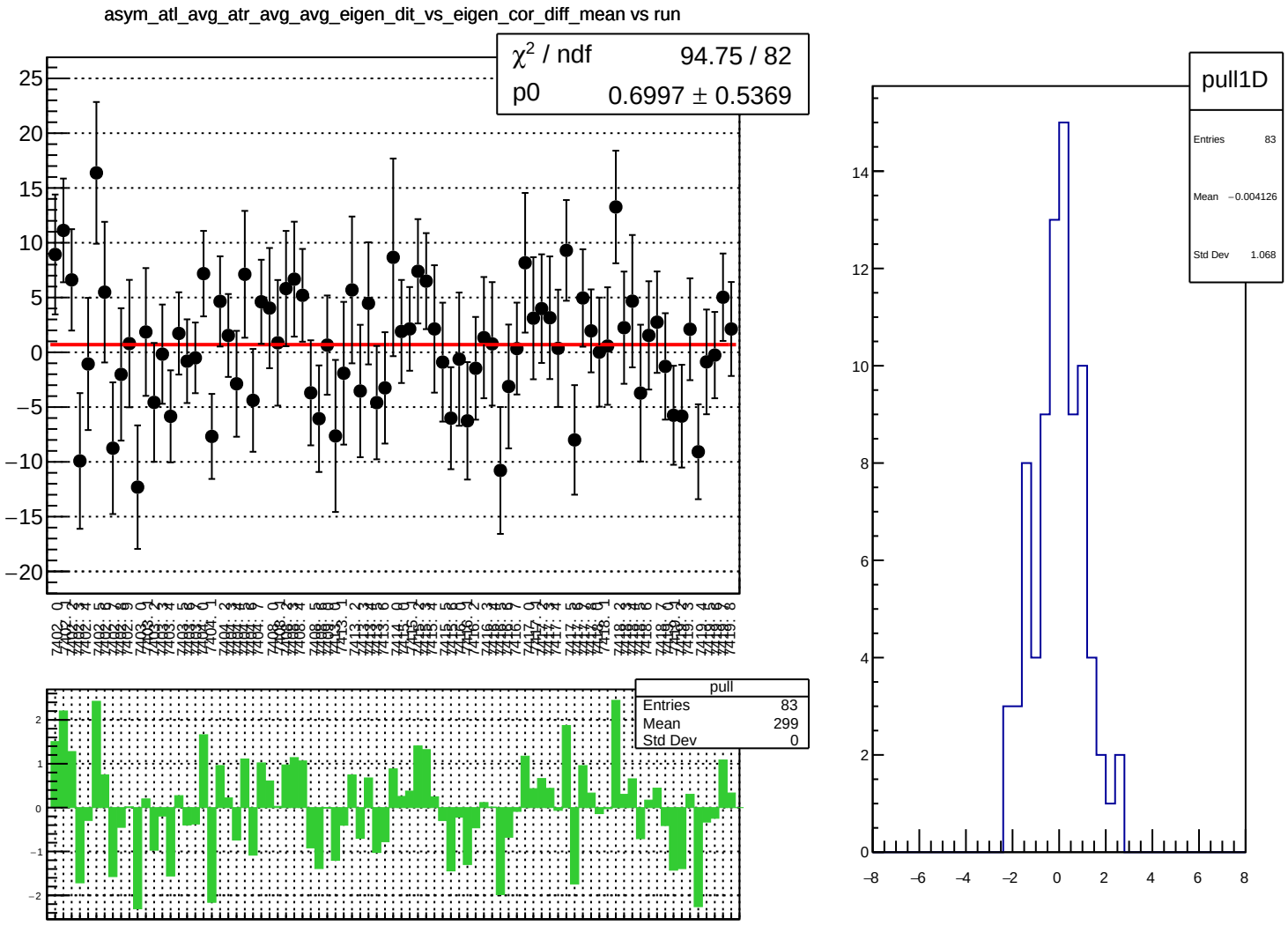

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83 / 82
p0 −8.832e−07 ± 7.723e−06
pull
Entries 83
Mean 116.7
Std Dev 0
pull1D
Entries 83
Mean −0.0402
Std Dev 0.9992

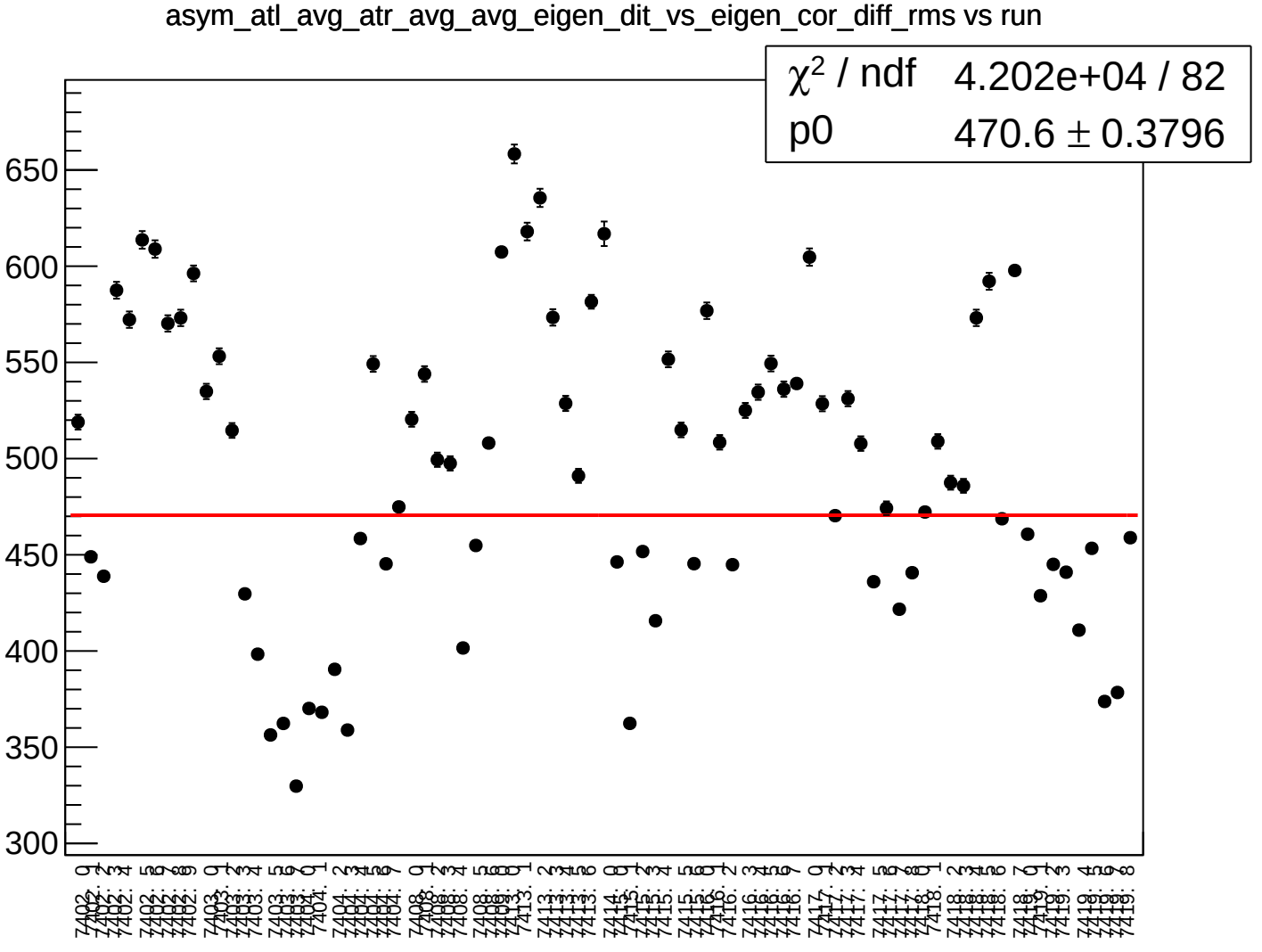

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.866e+05 / 82
p0 0.006443 ± 5.461e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

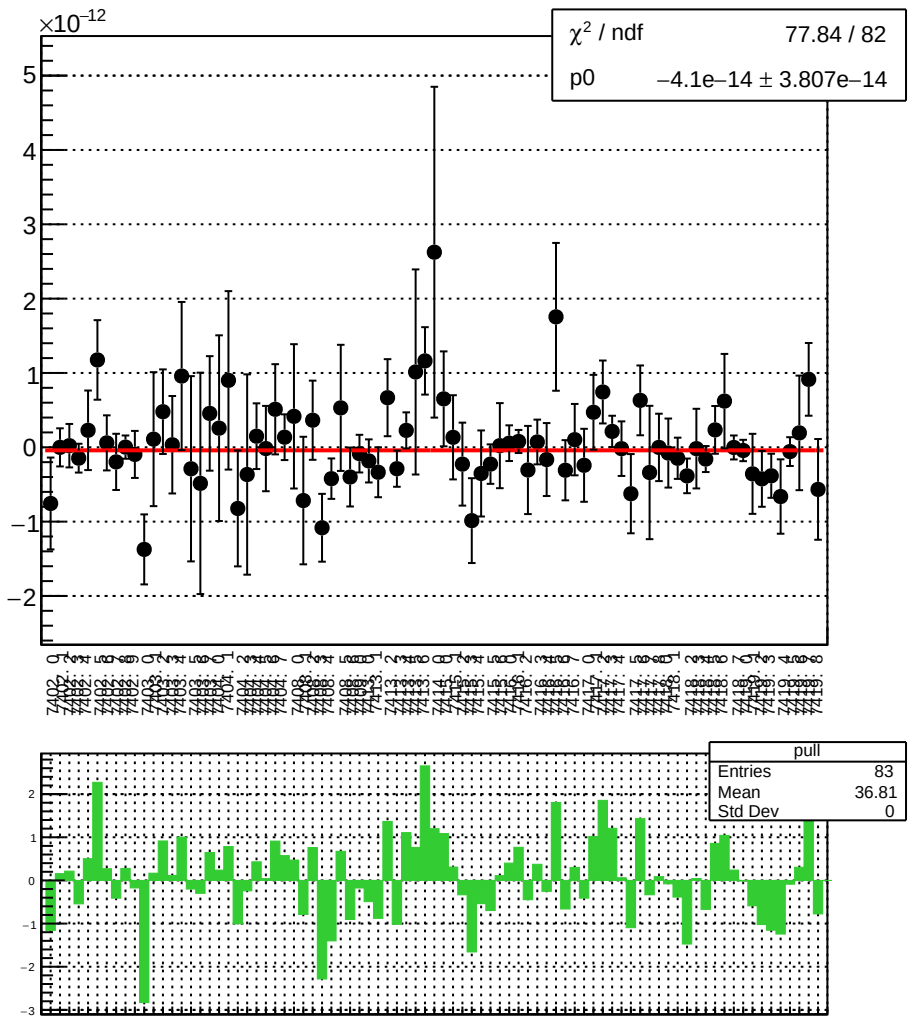

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.75 / 82
p0 0.6997 ± 0.5369
pull
Entries 83
Mean 299
Std Dev 0

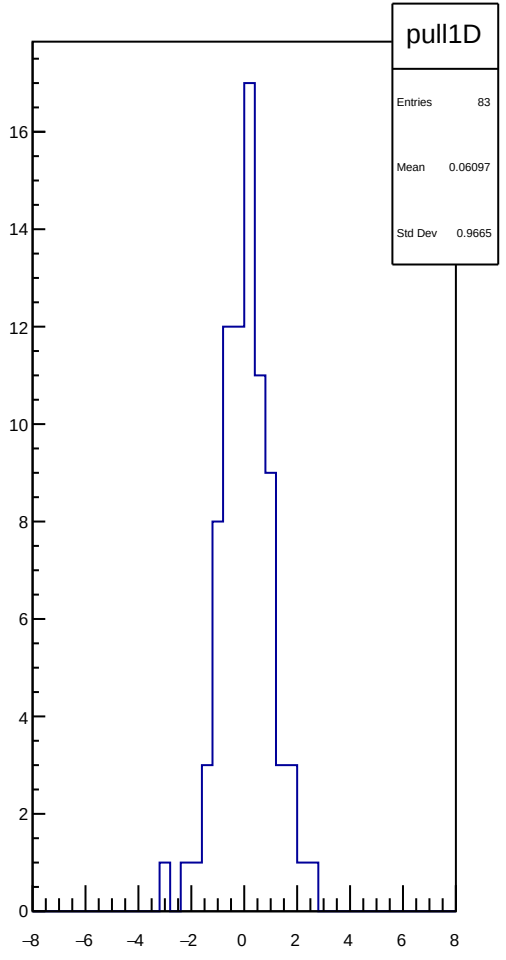

pull1D
Entries 83
Mean −0.004126
Std Dev 1.068

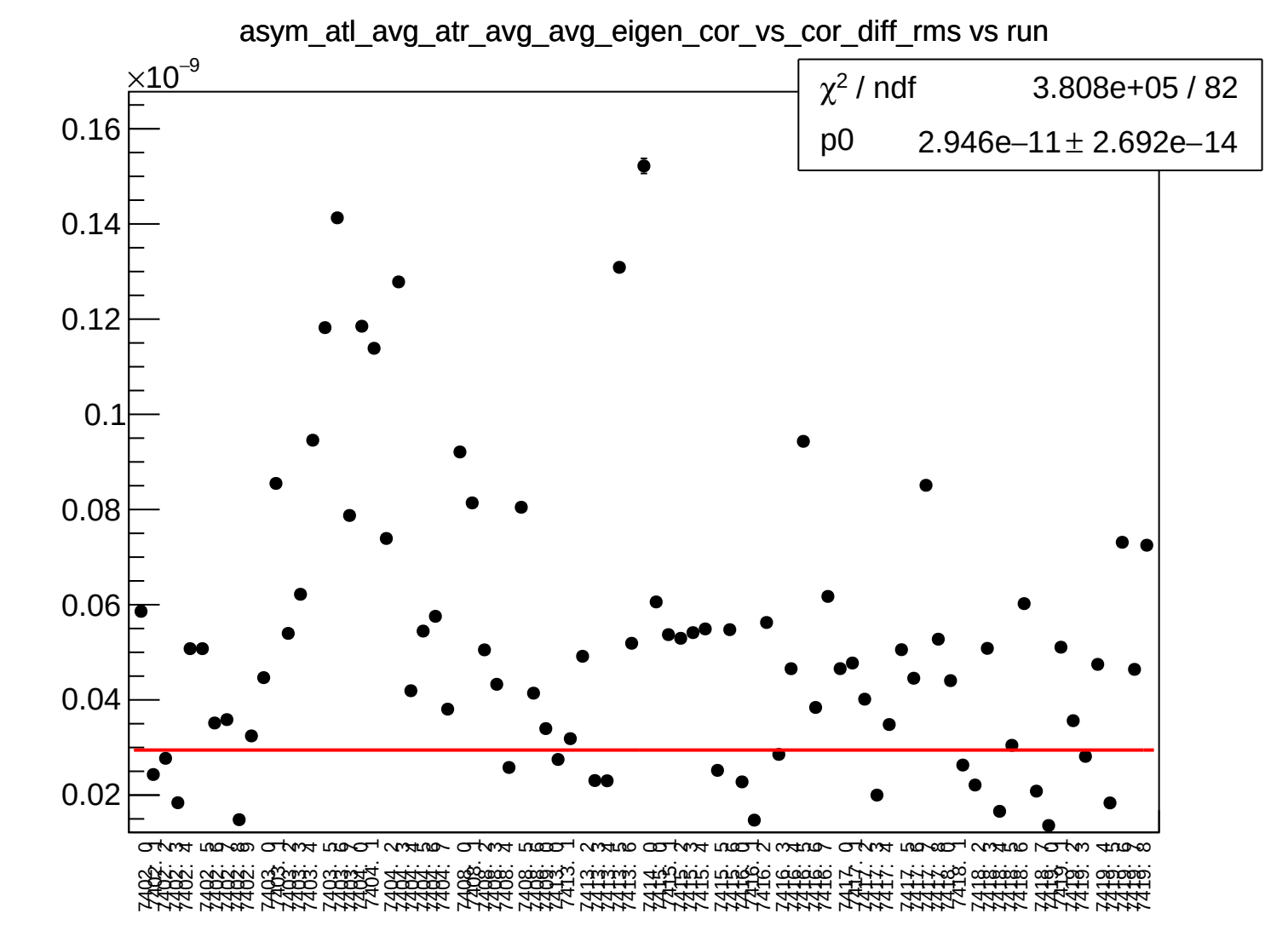

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.202e+04 / 82
p0 470.6 ± 0.3796
650
600
550
500
450
400
350
300

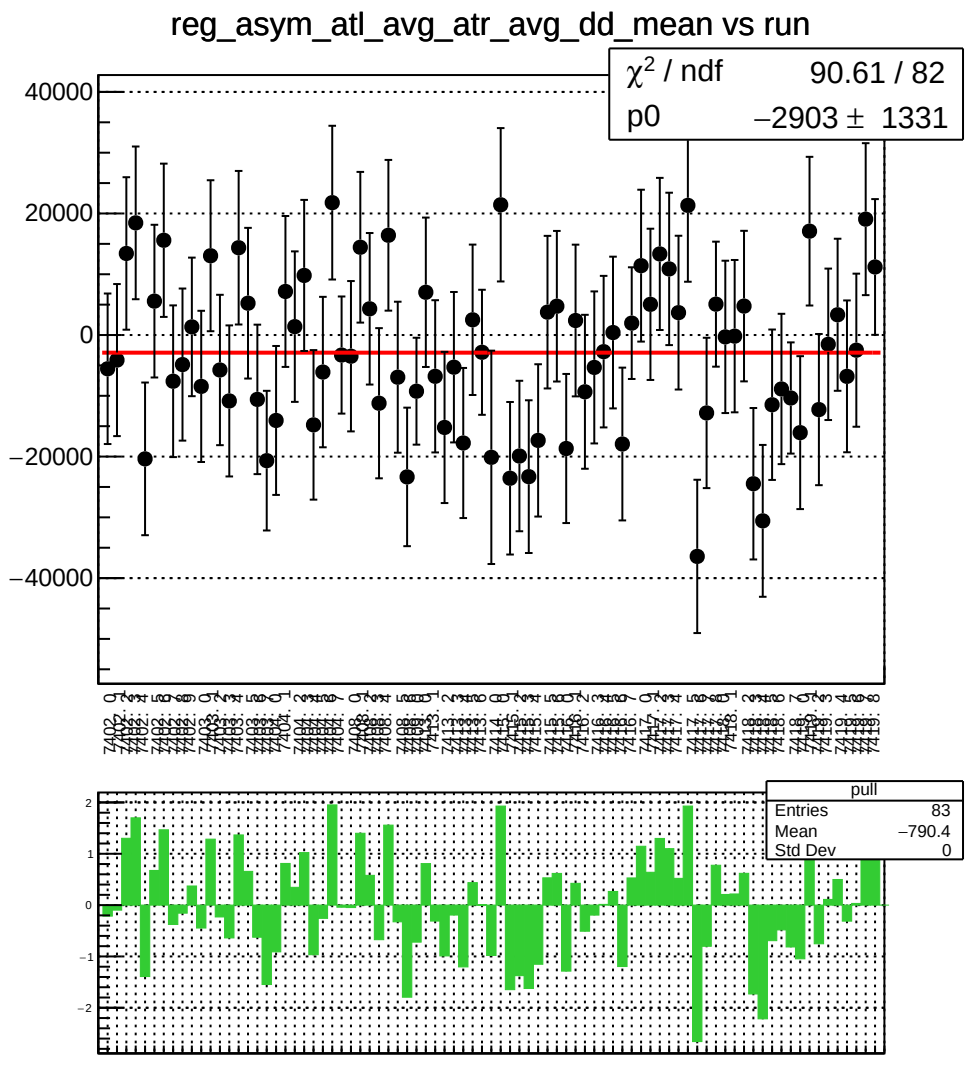

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.75 / 82
p0 0.6997 ± 0.5369
pull
Entries 83
Mean 299
Std Dev 0
pull1D
Entries 83
Mean −0.004126
Std Dev 1.068

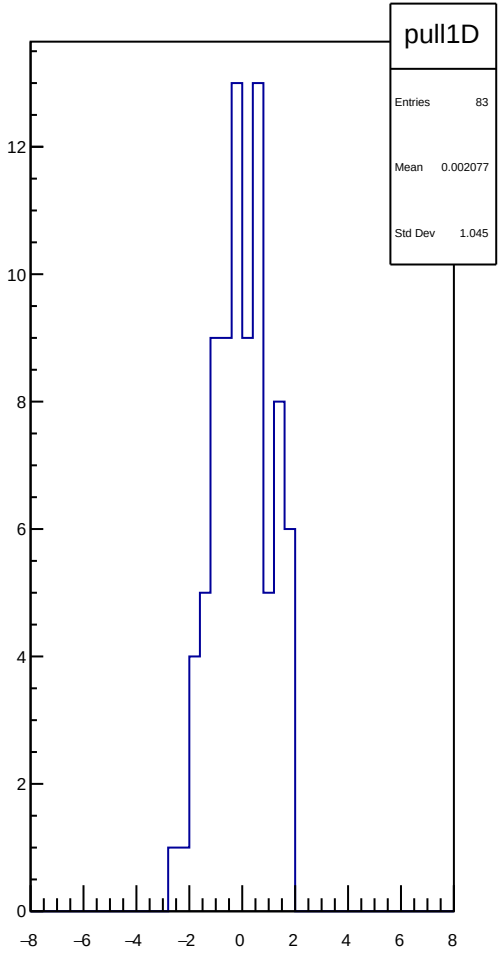

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.202e+04 / 82
p0 470.6 ± 0.3796
650
600
550
500
450
400
350
300

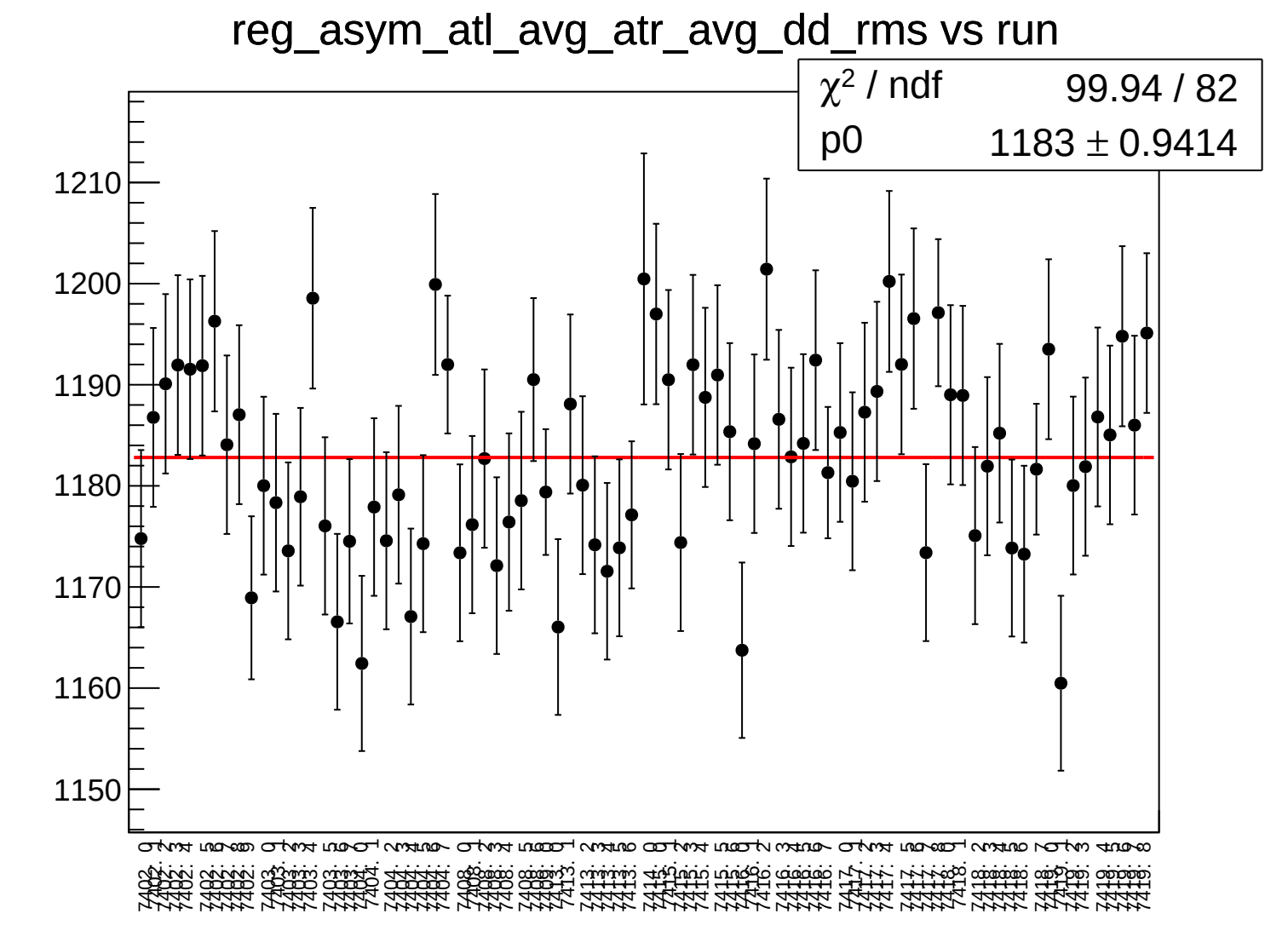

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.84 / 82
p0 −4.1e−14 ± 3.807e−14
pull
Entries 83
Mean 36.81
Std Dev 0

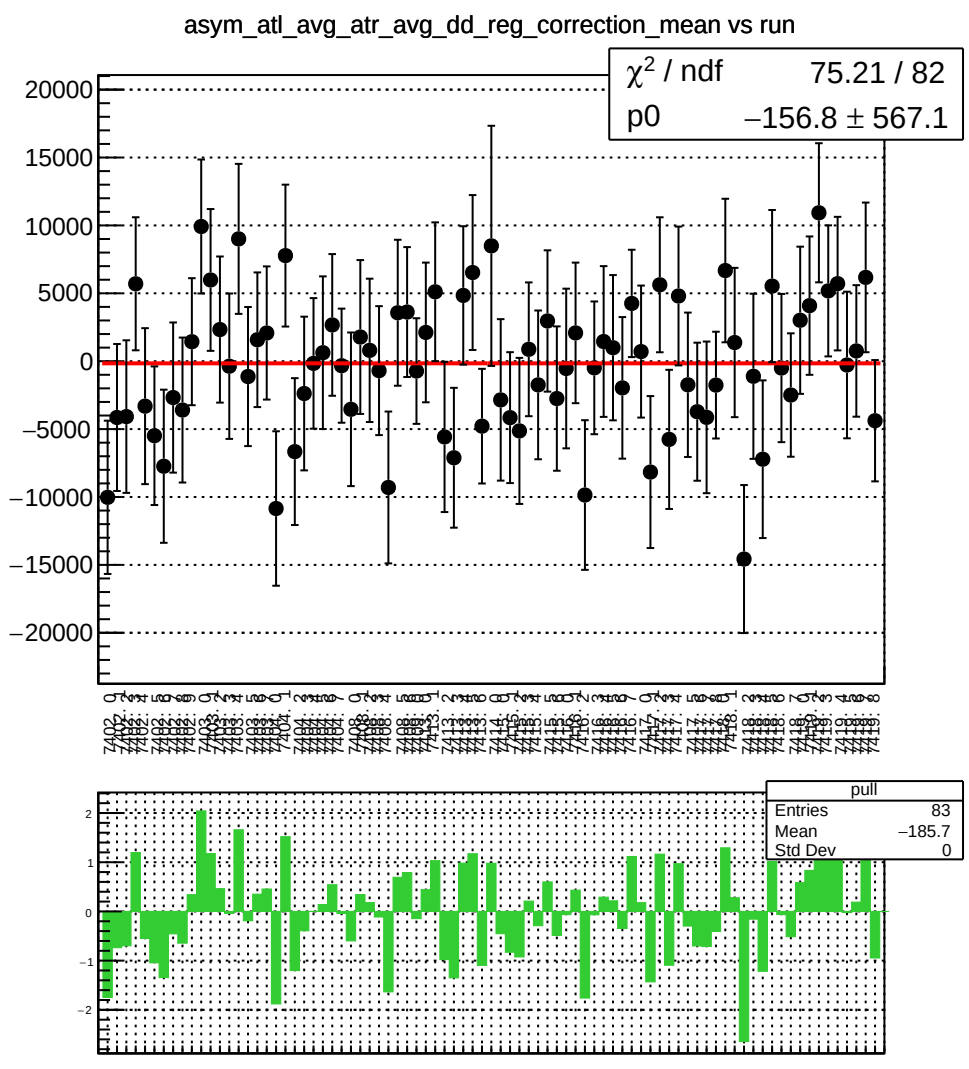

pull1D
Entries 83
Mean 0.06097
Std Dev 0.9665

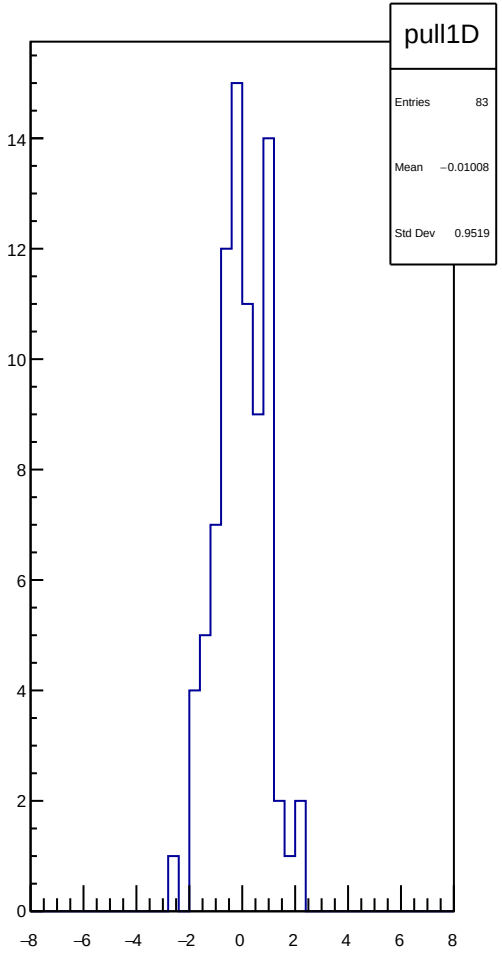

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.808e+05 / 82
p0 2.946e−11 ± 2.692e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

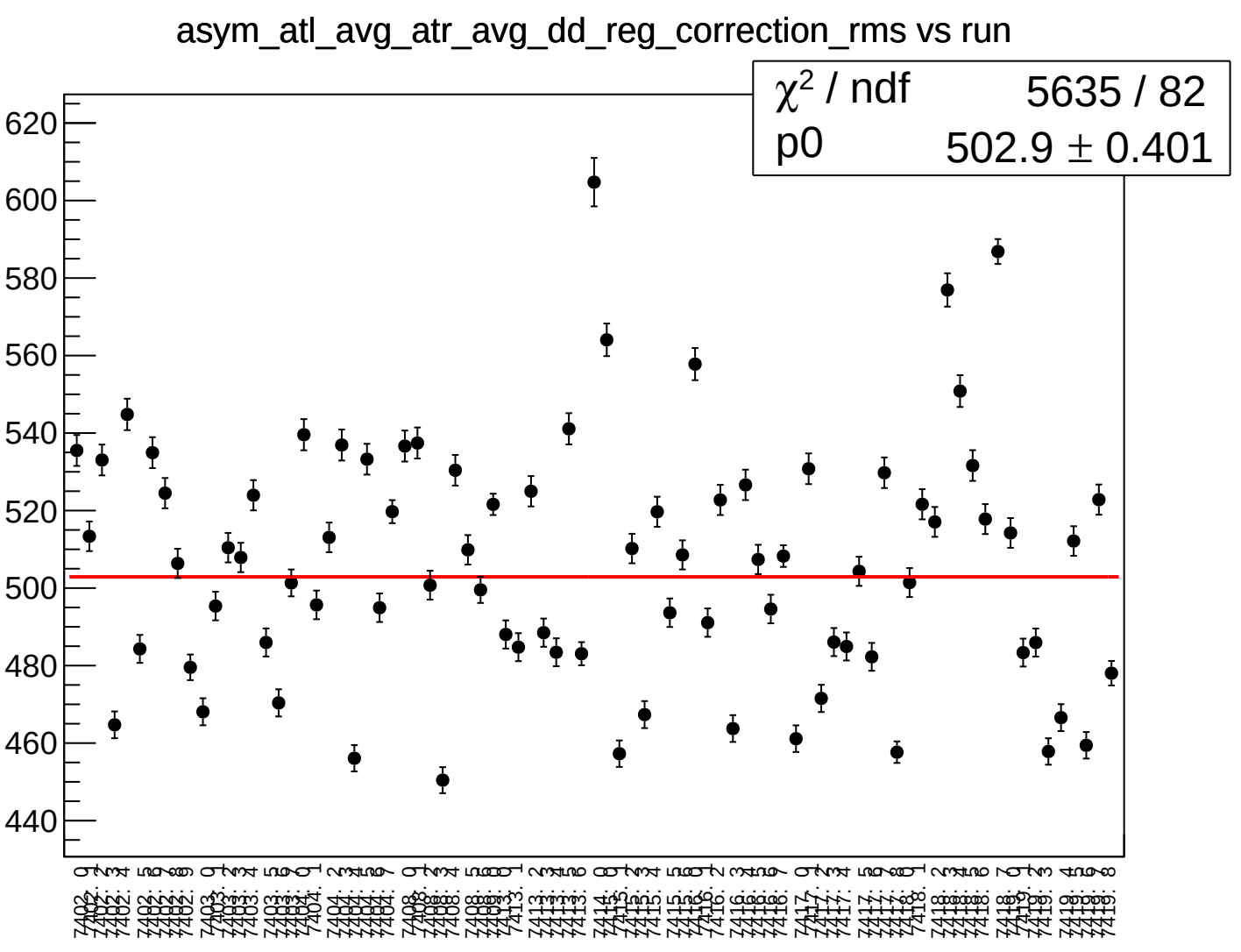

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 90.61 / 82
p0 −2903 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −790.4
Std Dev 0
2
1
0
−1
−2

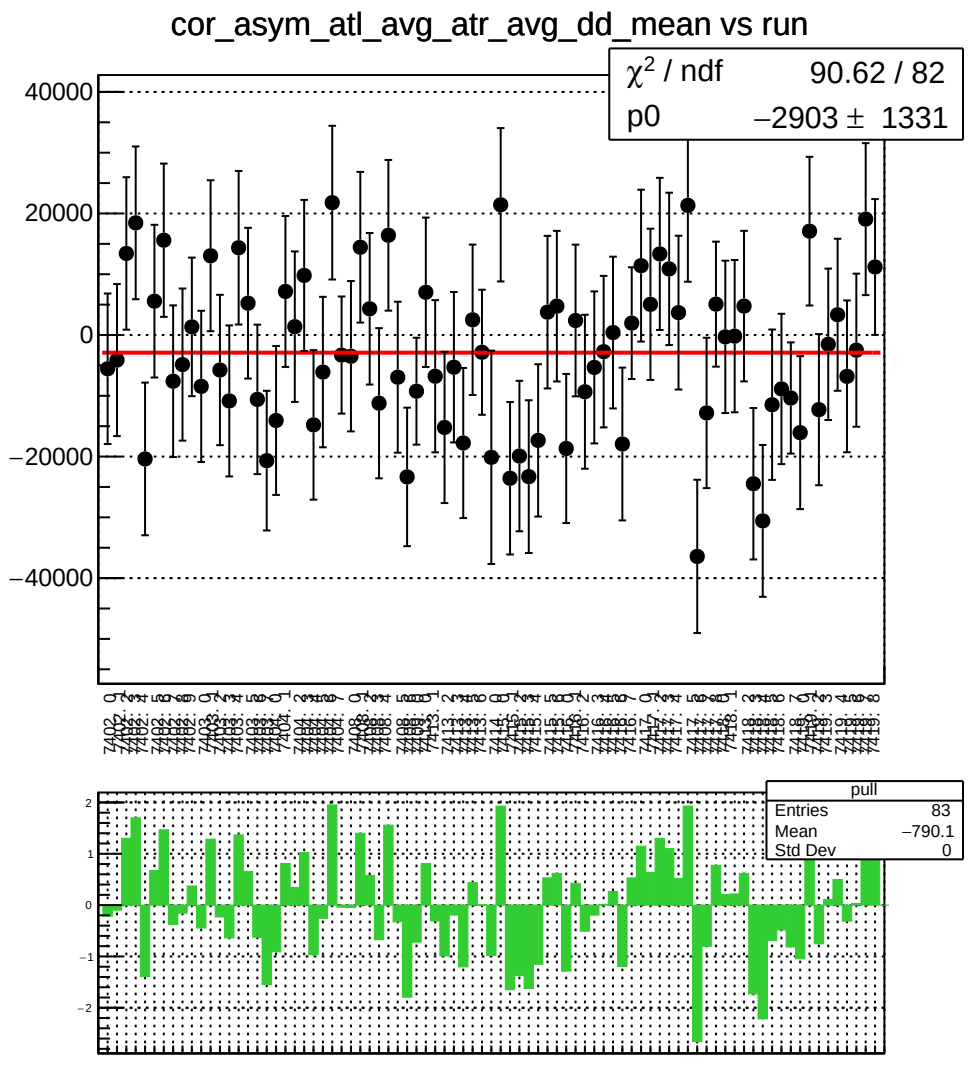

pull1D
Entries 83
Mean 0.002077
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

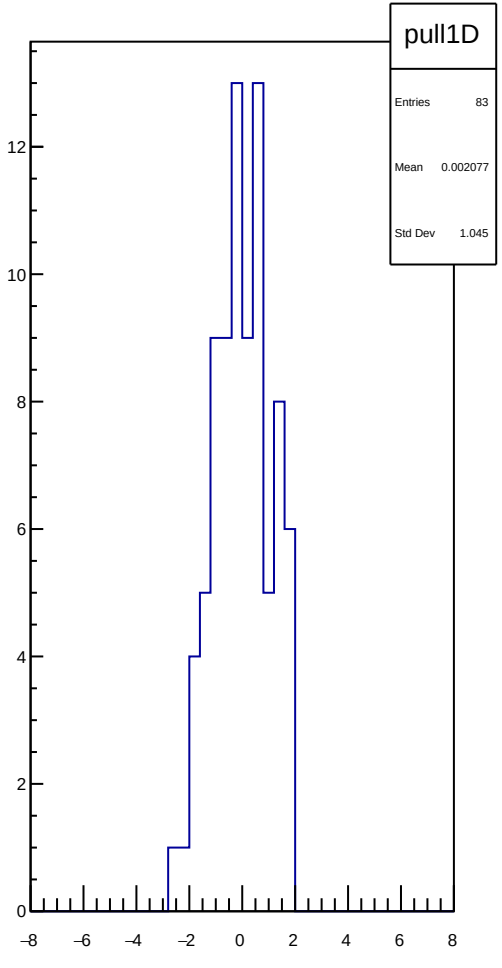

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 99.94 / 82
p0 1183 ± 0.9414
1210
1200
1190
1180
1170
1160
1150

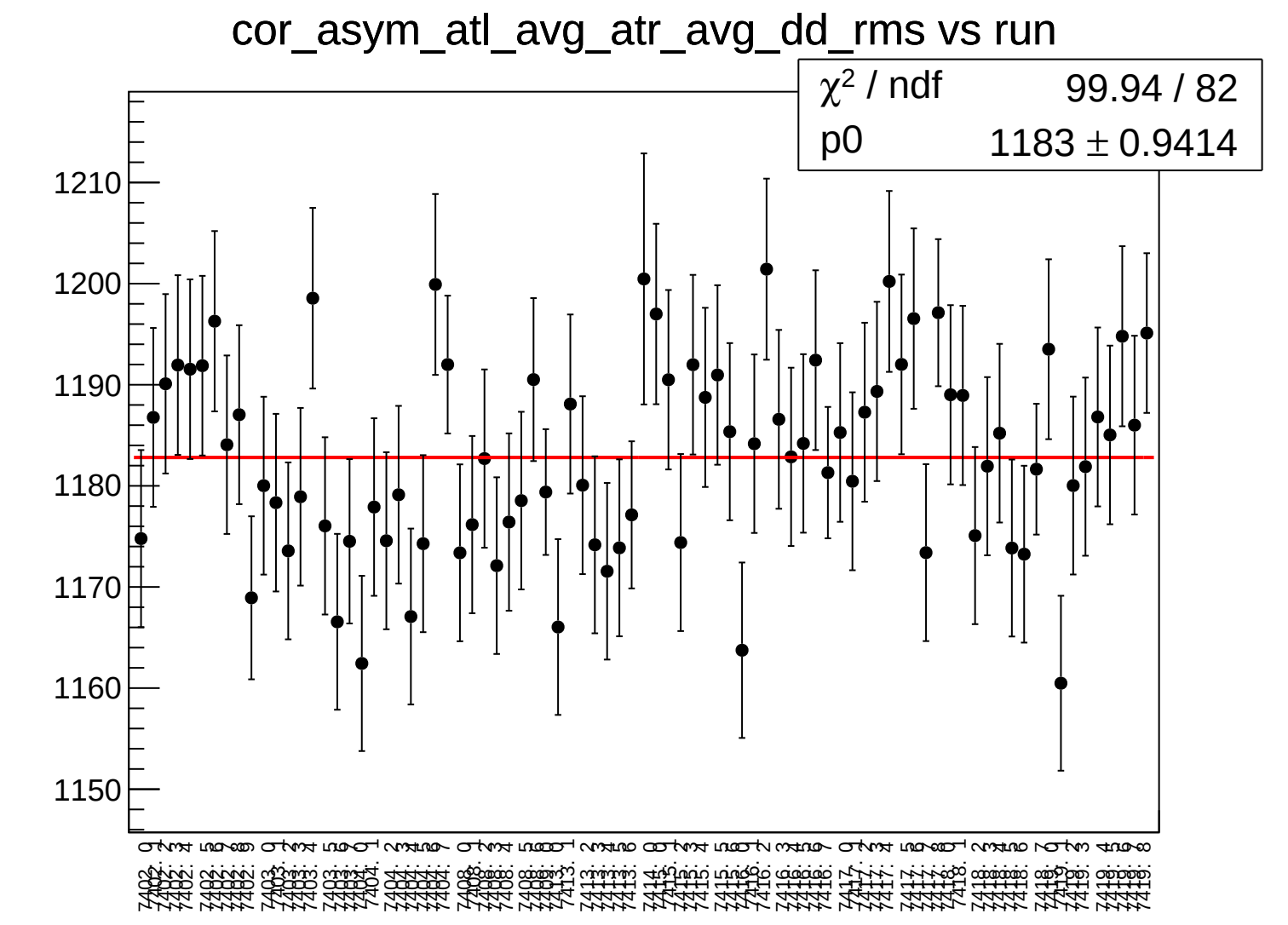

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 75.21 / 82
p0 −156.8 ± 567.1
pull
Entries 83
Mean −185.7
Std Dev 0

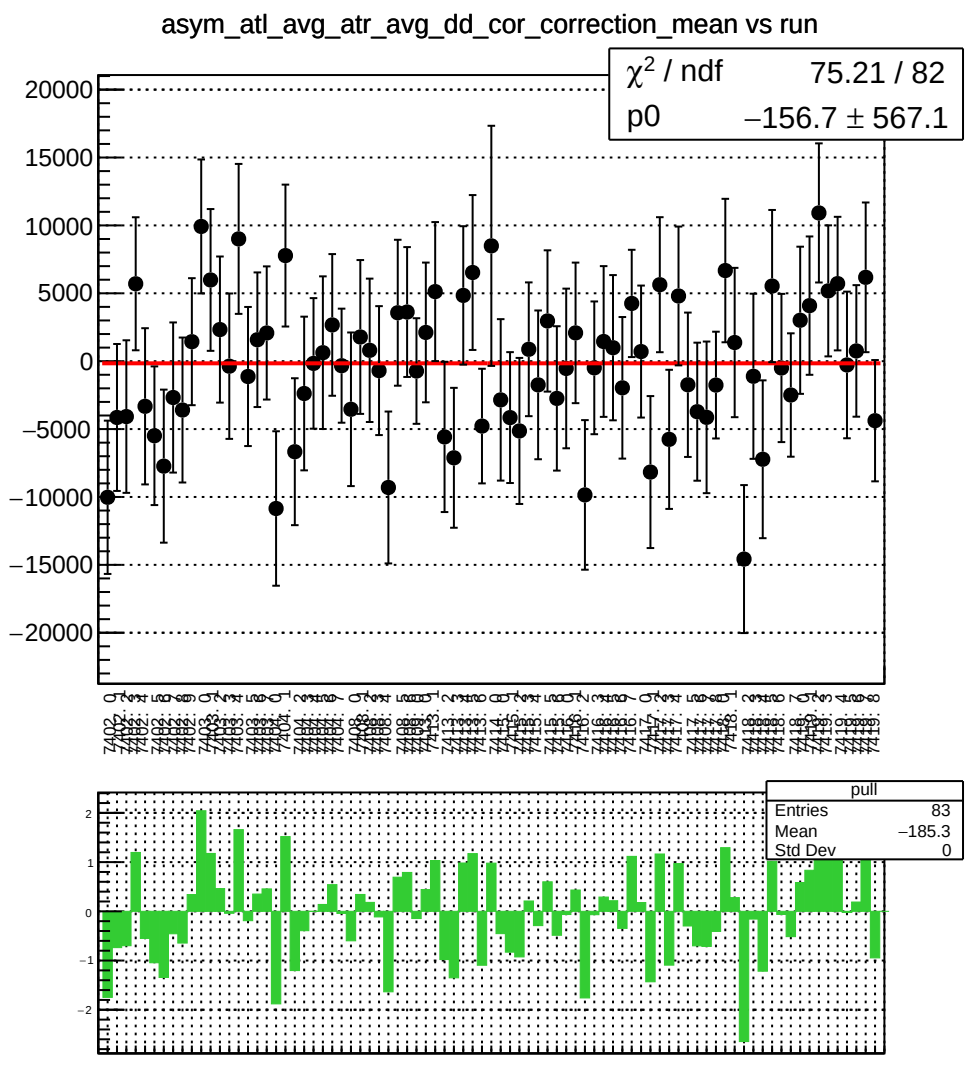

pull1D
Entries 83
Mean −0.01008
Std Dev 0.9519

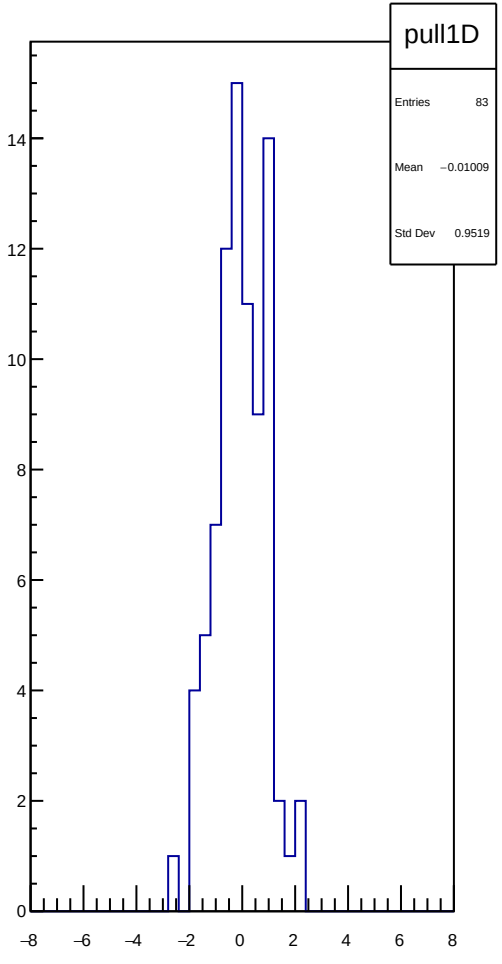

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 5635 / 82
p0 502.9 ± 0.401
620
600
580
560
540
520
500
480
460
440

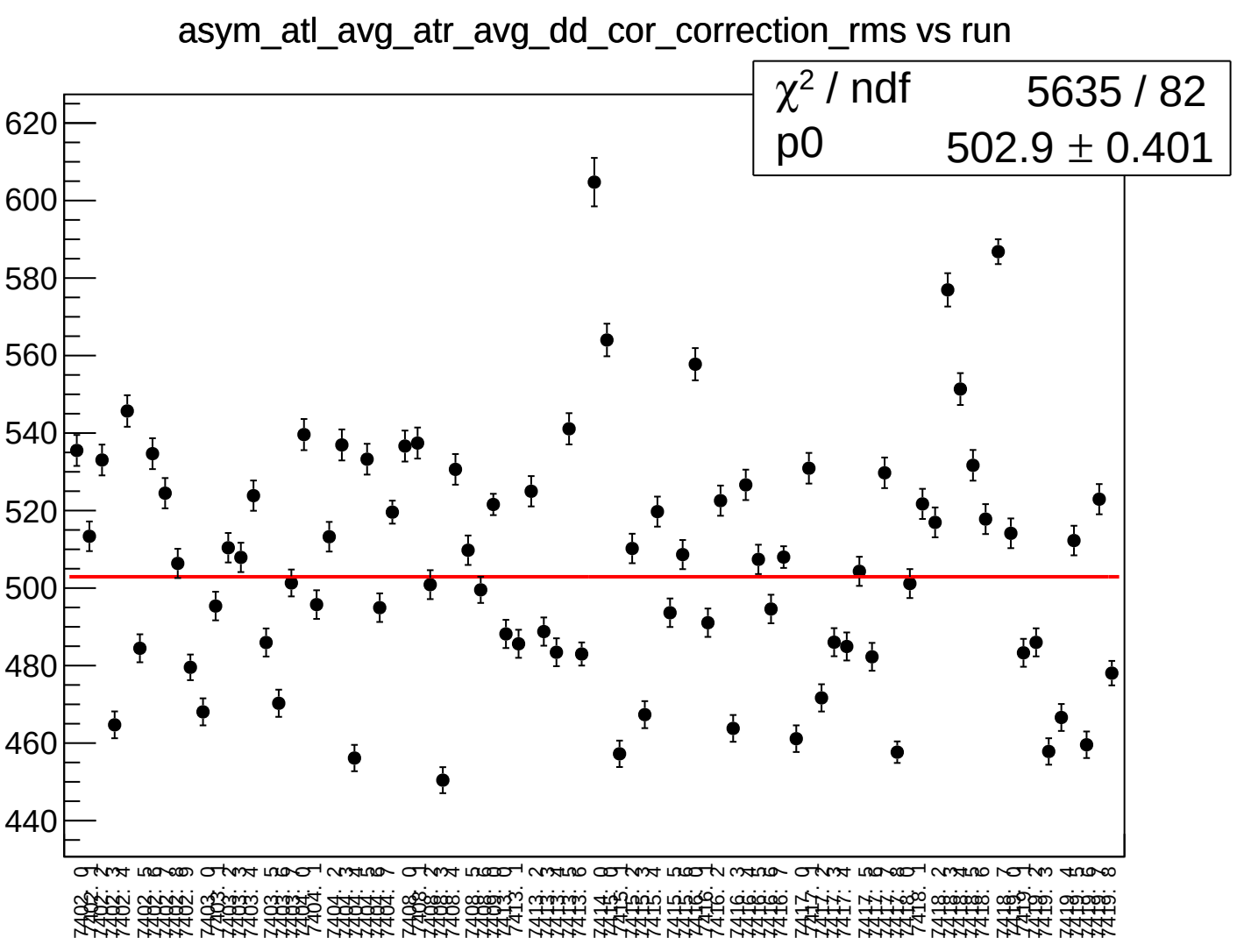

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 90.62 / 82
p0 −2903 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −790.1
Std Dev 0
2
1
0
−1
−2

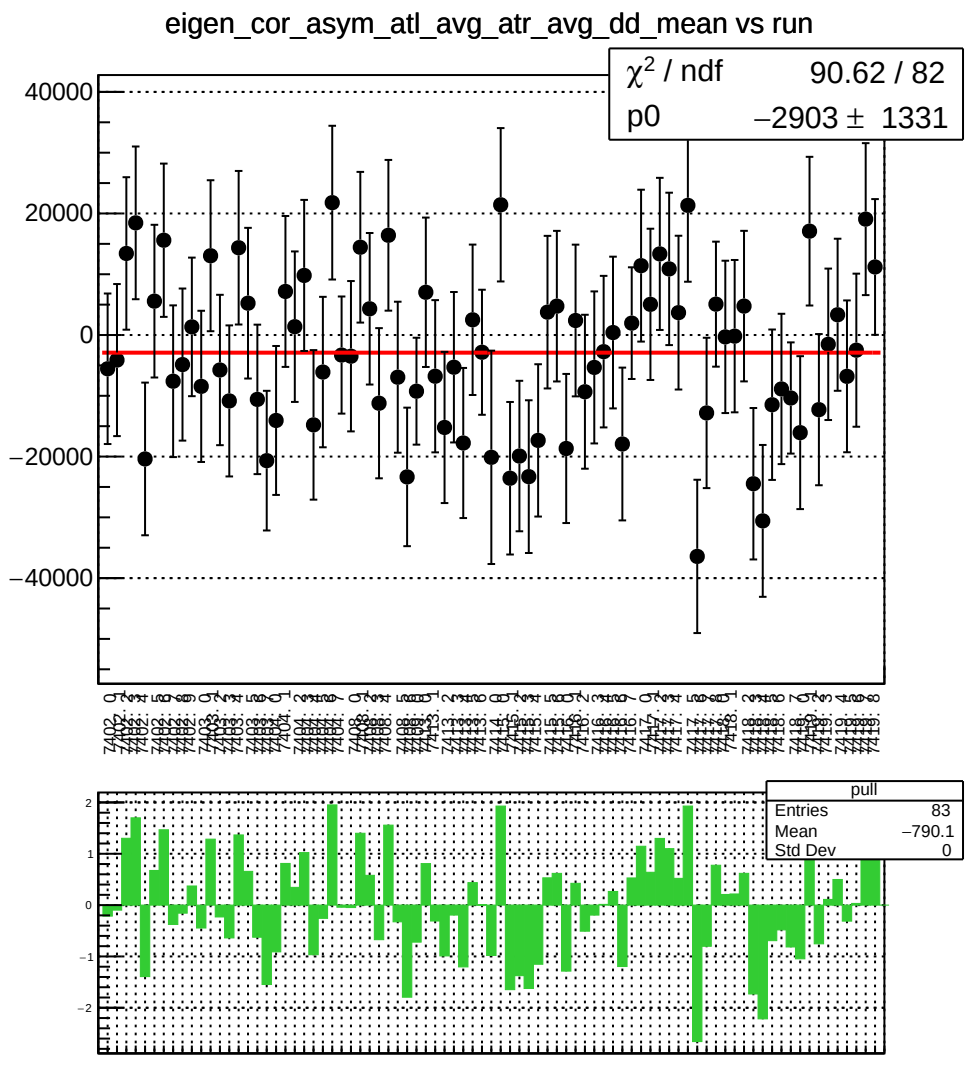

pull1D
Entries 83
Mean 0.002077
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

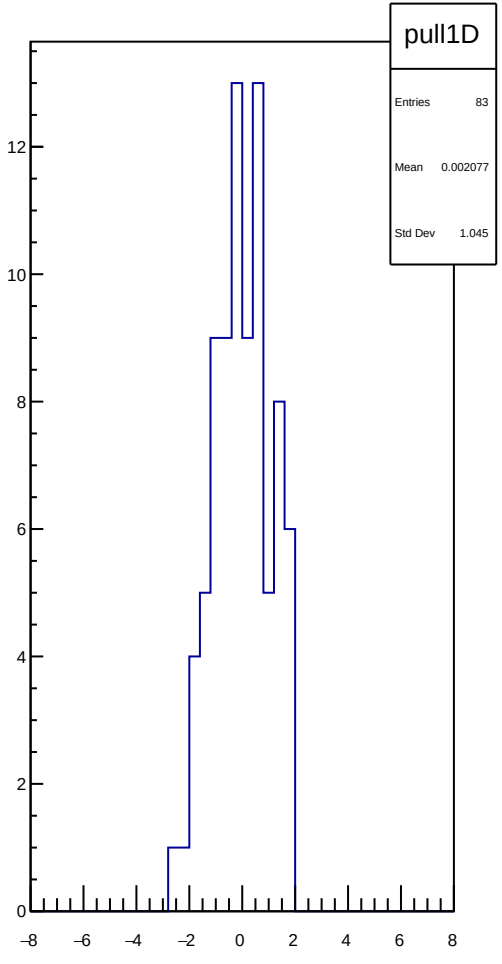

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 99.94 / 82
p0 1183 ± 0.9414
1210
1200
1190
1180
1170
1160
1150

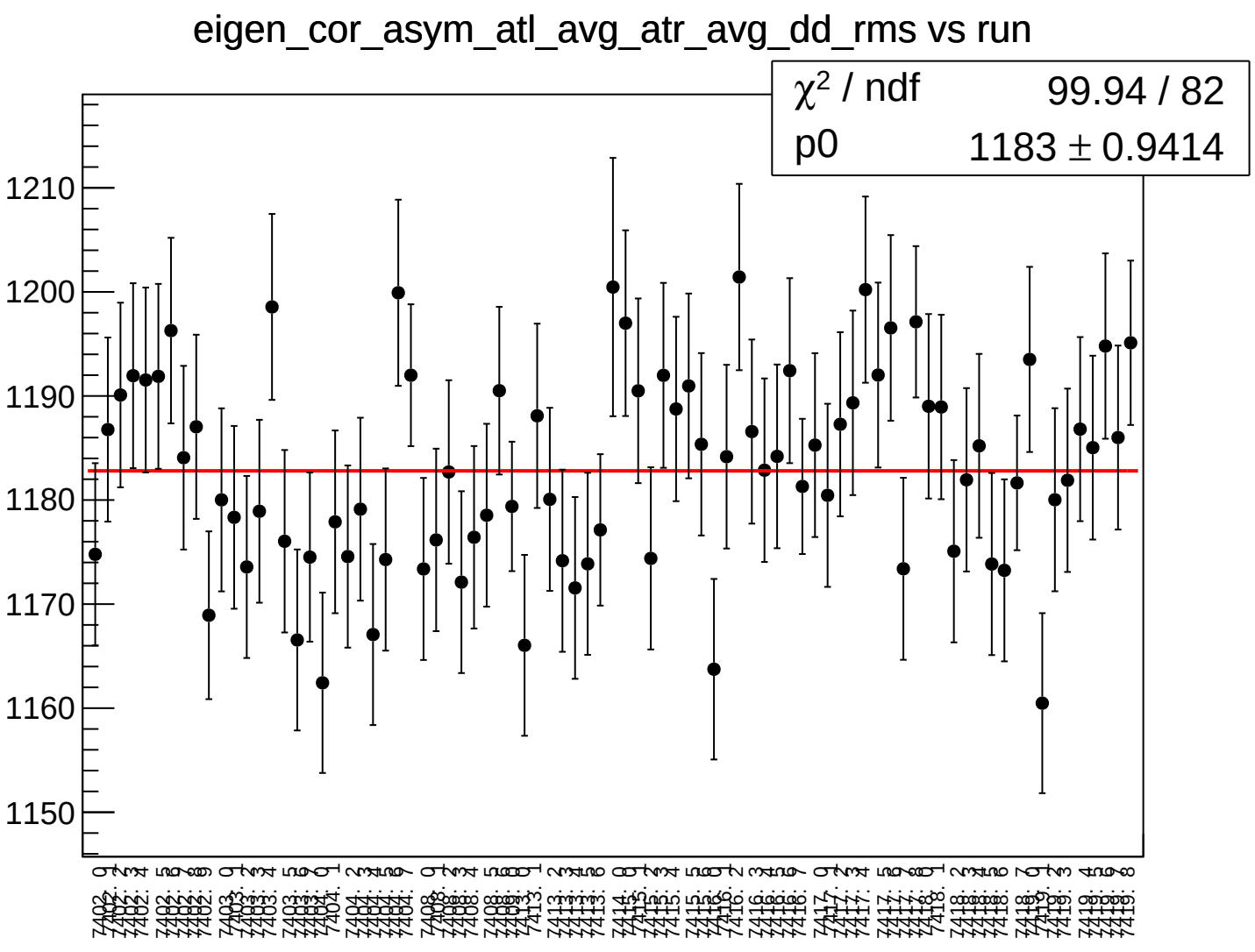

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 75.21 / 82
p0 −156.7 ± 567.1
pull
Entries 83
Mean −185.3
Std Dev 0

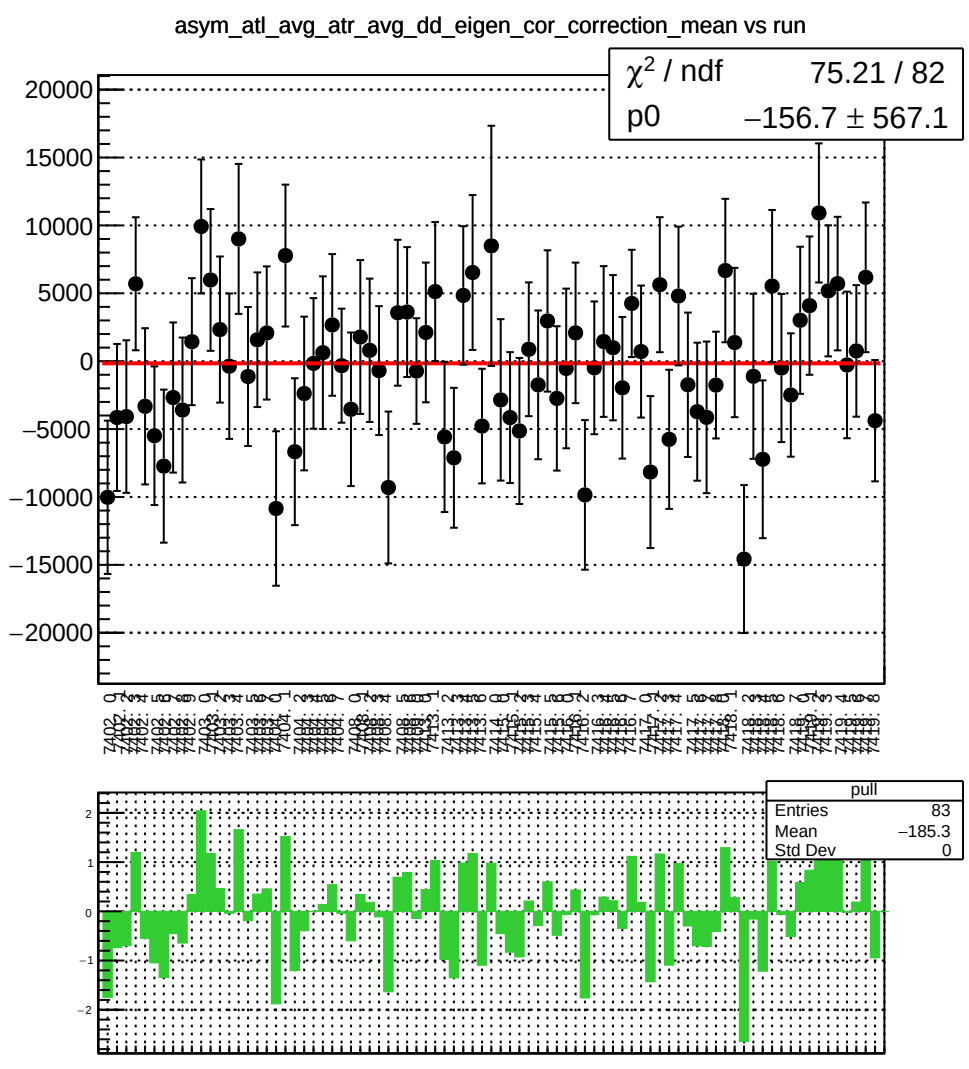

pull1D
Entries 83
Mean −0.01009
Std Dev 0.9519

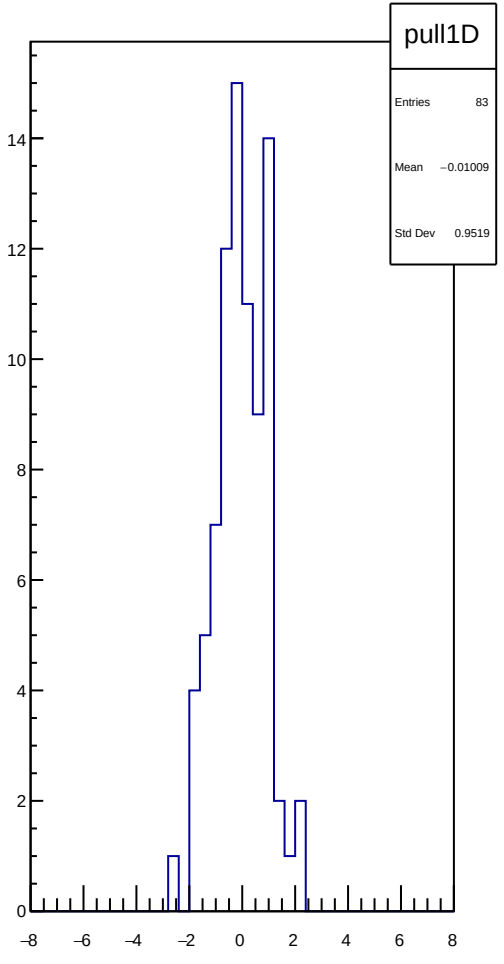

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 5635 / 82
p0 502.9 ± 0.401
620
600
580
560
540
520
500
480
460
440

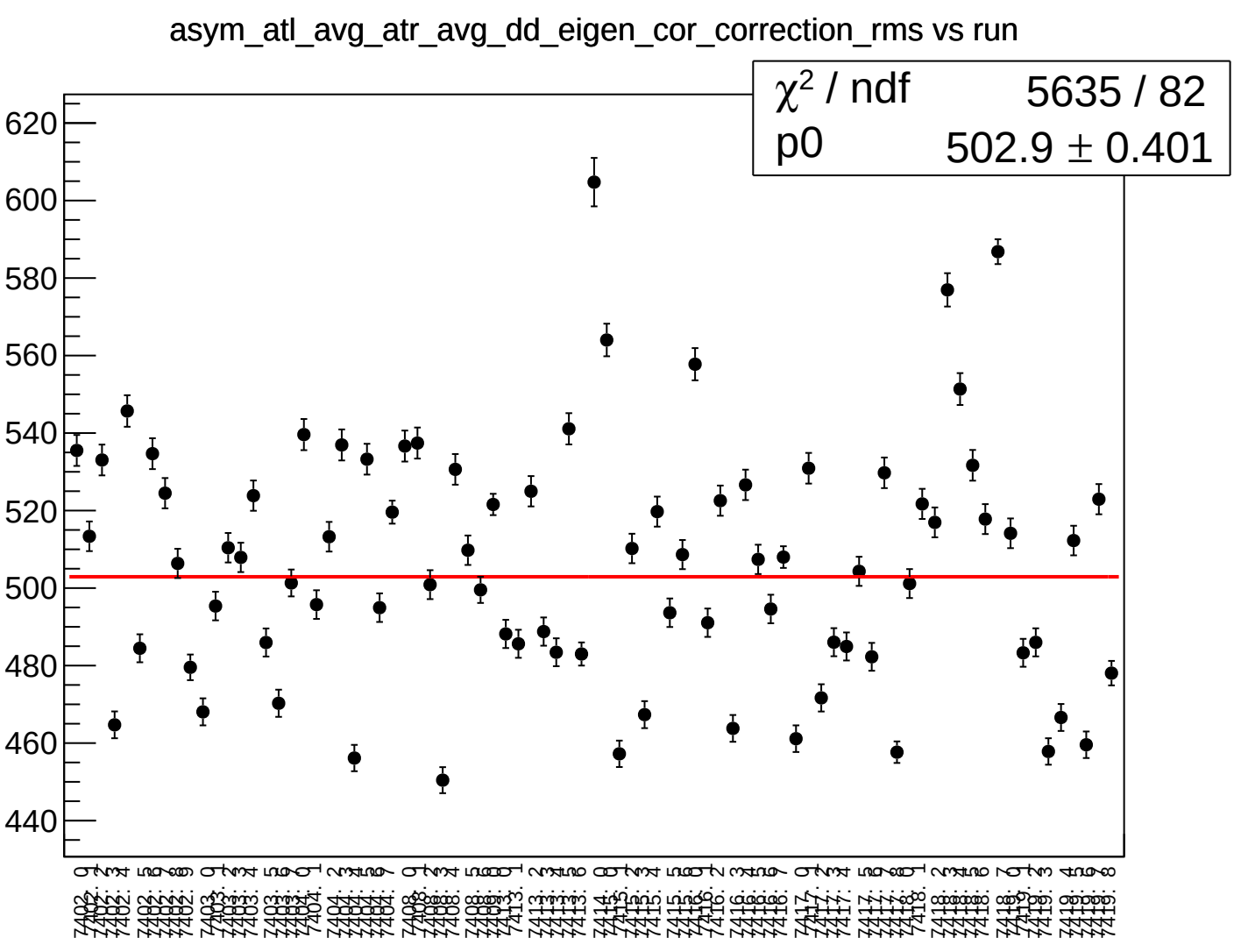

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 90.62 / 82
p0 −2903 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −790.1
Std Dev 0
2
1
0
−1
−2

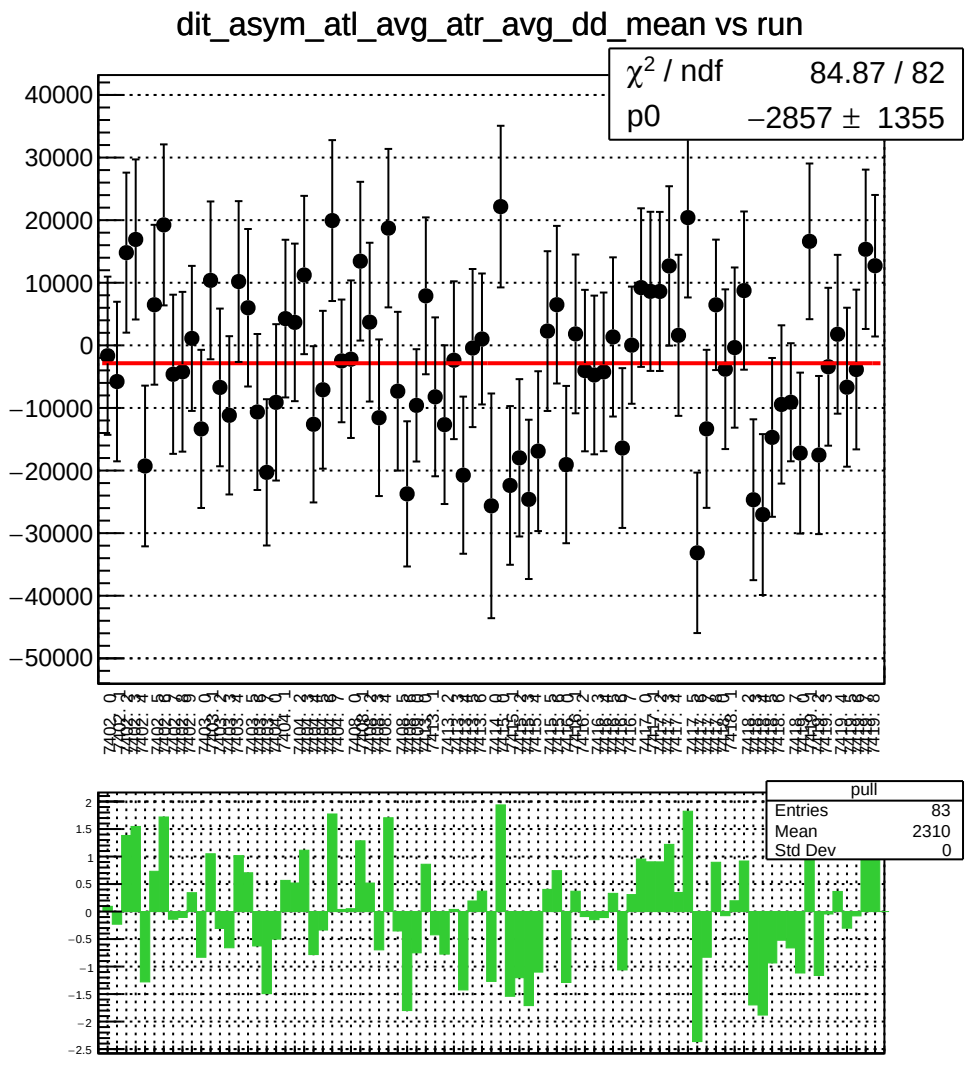

pull1D
Entries 83
Mean 0.002077
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

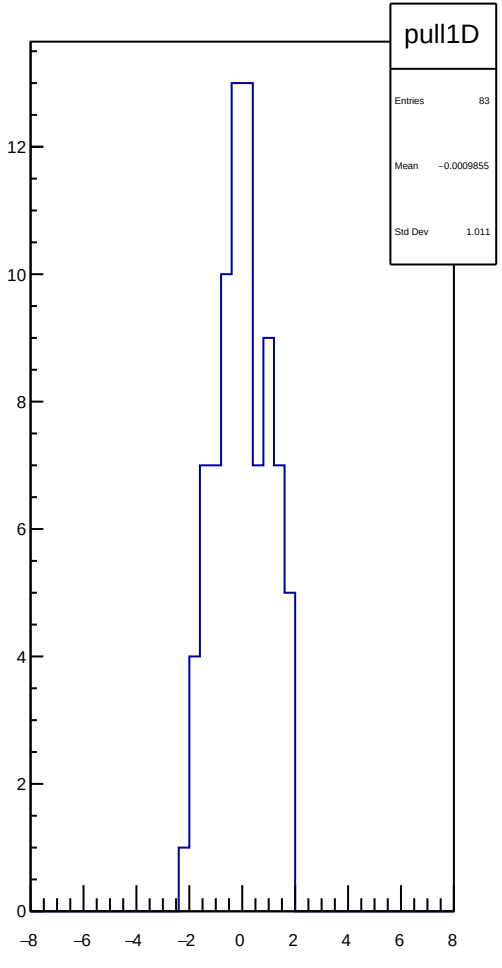

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 99.94 / 82
p0 1183 ± 0.9414
1210
1200
1190
1180
1170
1160
1150

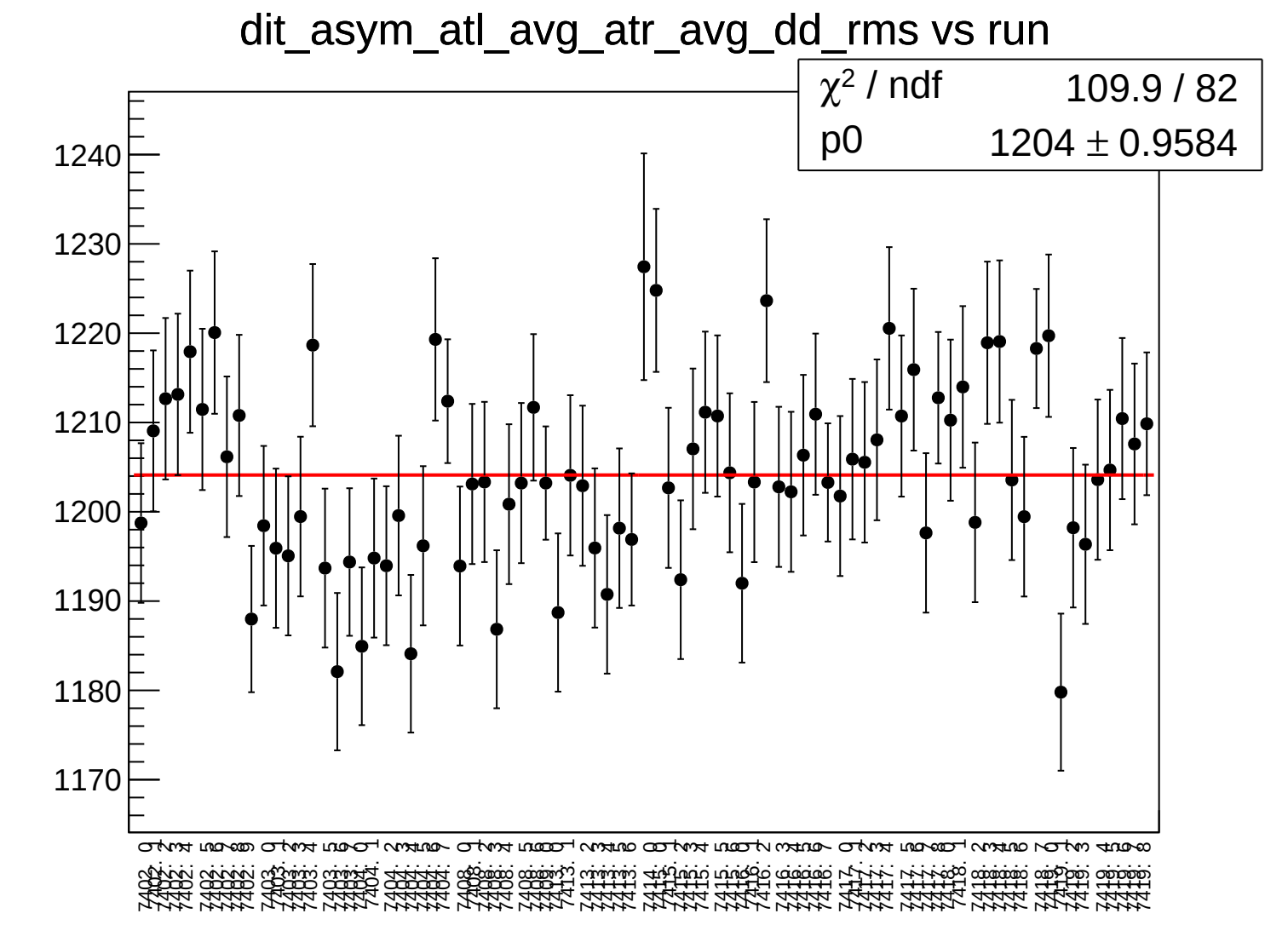

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 75.21 / 82
p0 −156.7 ± 567.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean −185.3
Std Dev 0
2
1
0
−1
−2

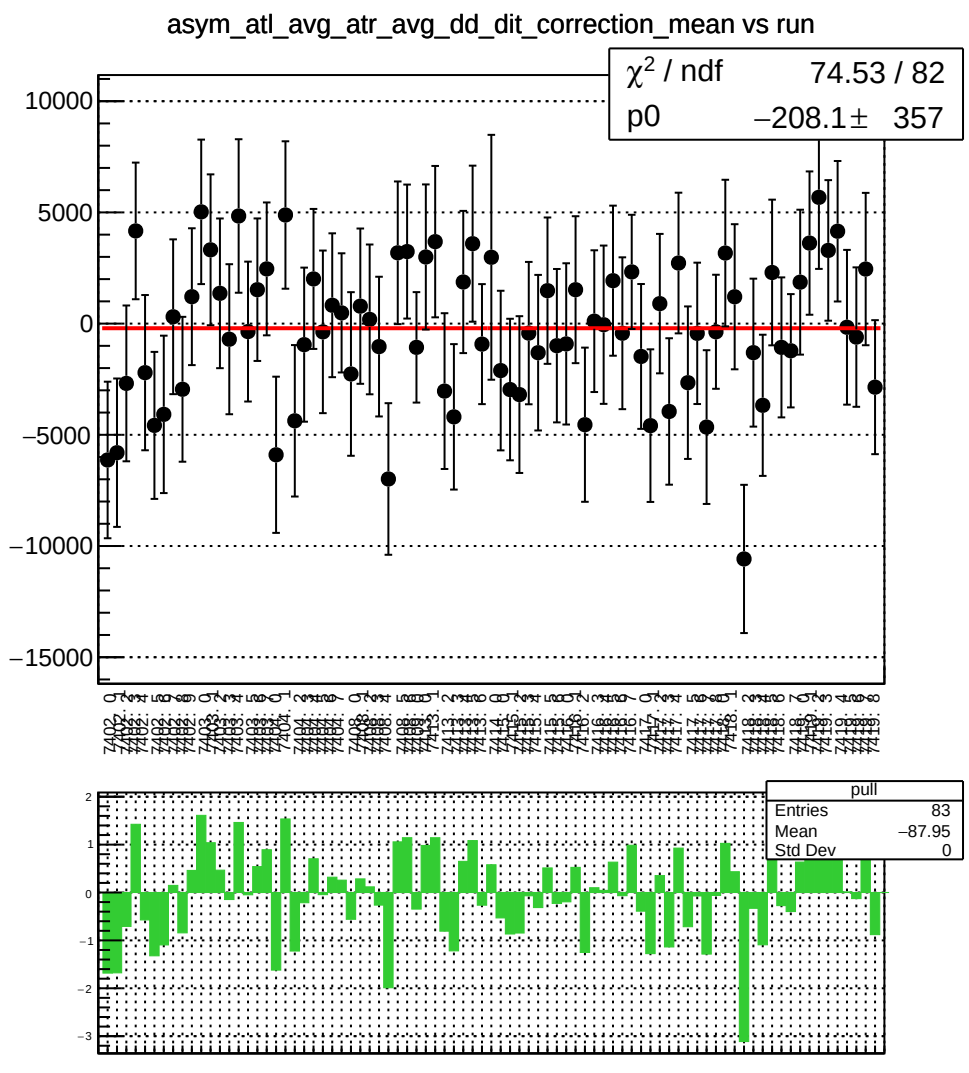

pull1D
Entries 83
Mean −0.01009
Std Dev 0.9519
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

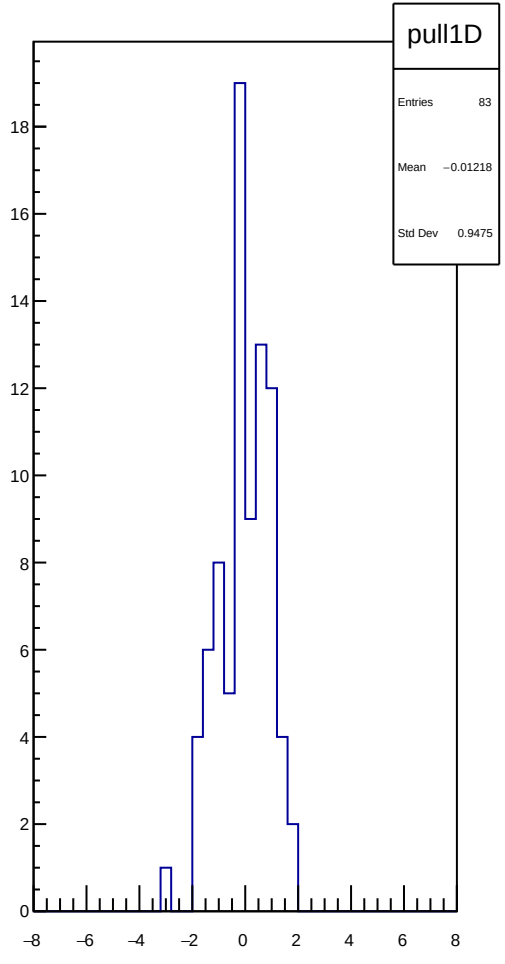

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 5635 / 82
p0 502.9 ± 0.401
620
600
580
560
540
520
500
480
460
440

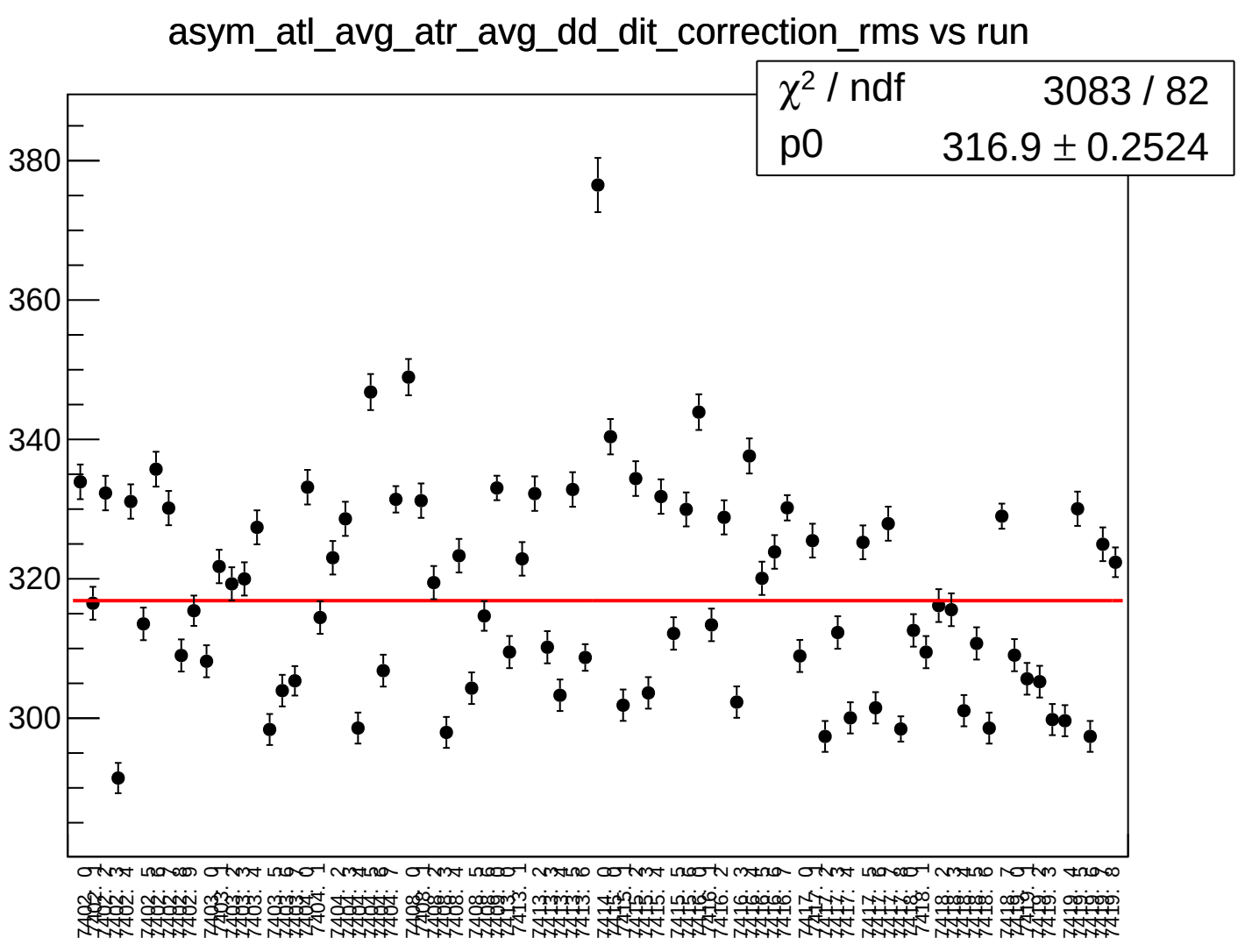

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 84.87 / 82
p0 −2857 ± 1355
pull
Entries 83
Mean 2310
Std Dev 0

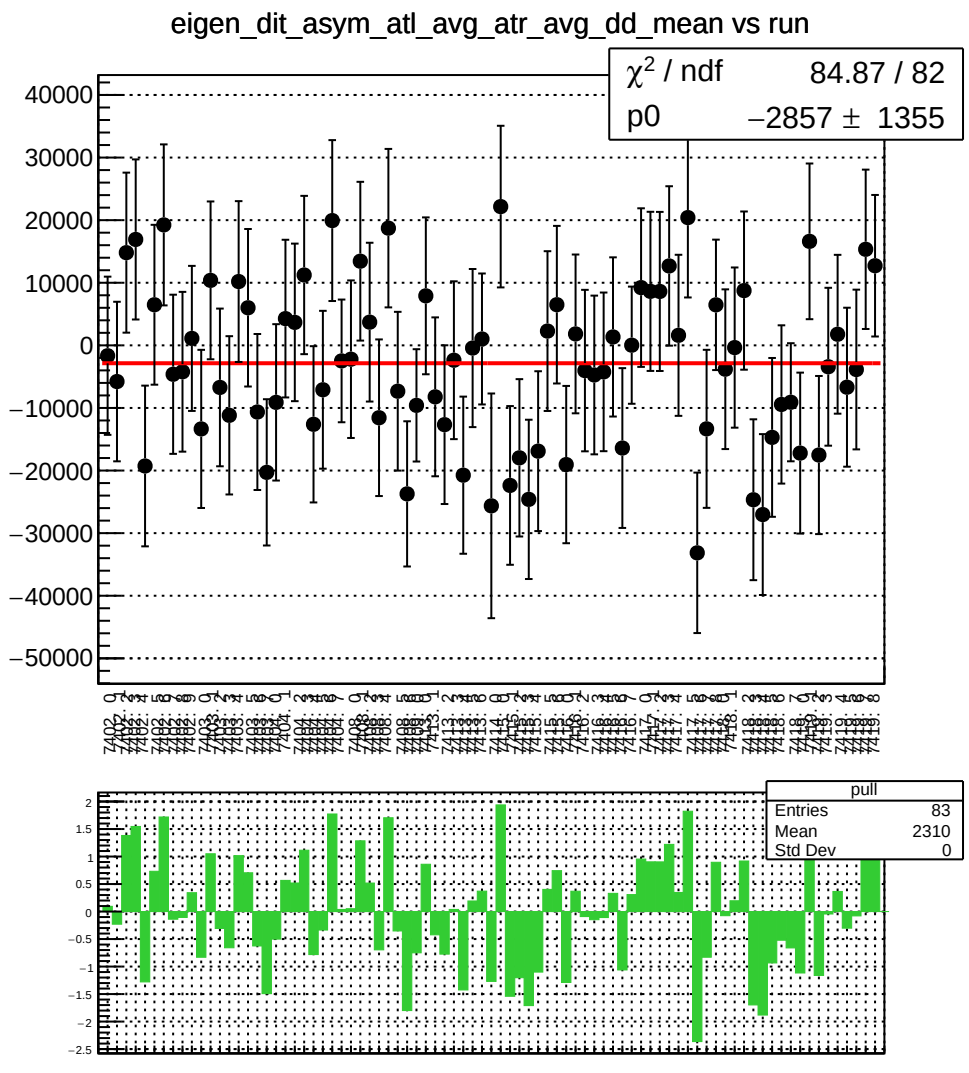

pull1D
Entries 83
Mean −0.0009855
Std Dev 1.011

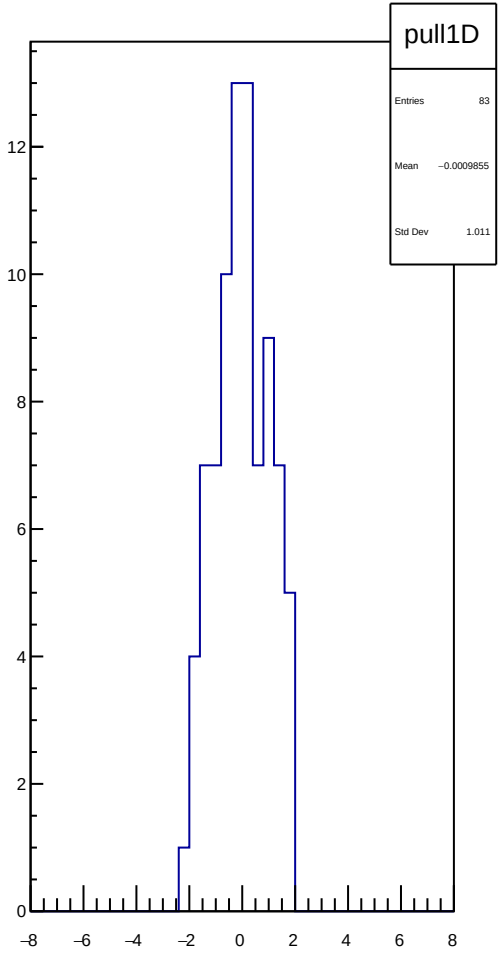

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 109.9 / 82
p0 1204 ± 0.9584
1240
1230
1220
1210
1200
1190
1180
1170

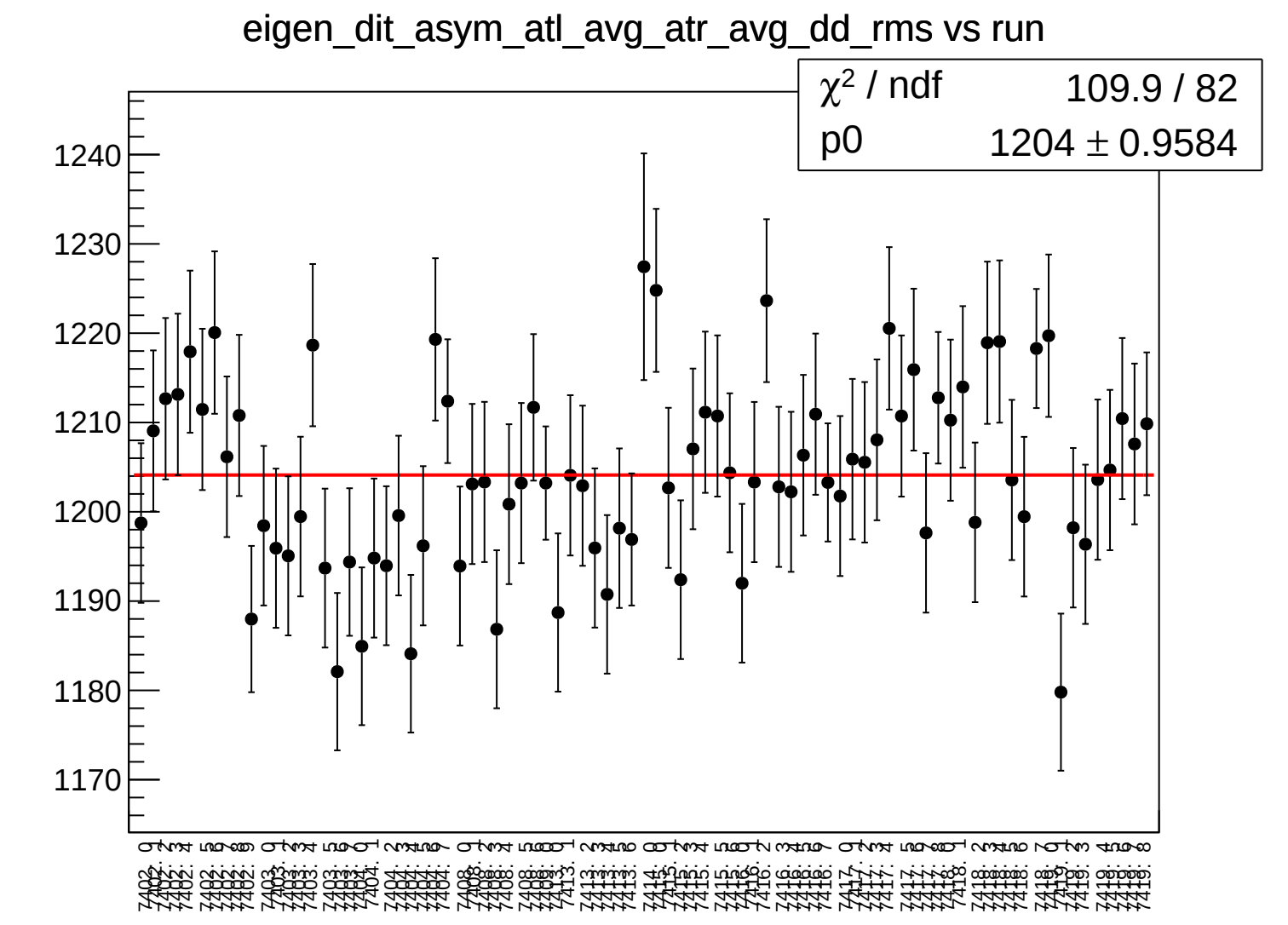

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 74.53 / 82
p0 −208.1± 357
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −87.95
Std Dev 0
2
1
0
−1
−2
−3

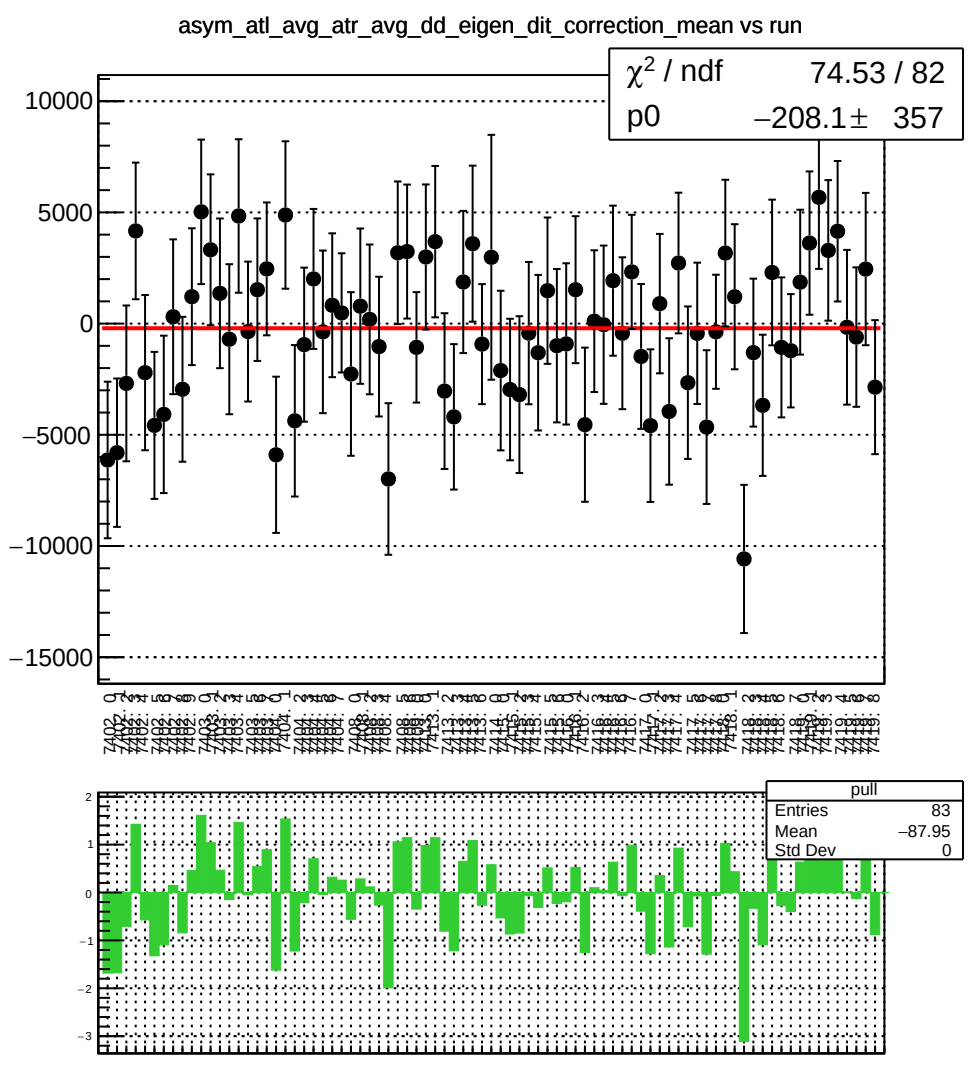

pull1D
Entries 83
Mean −0.01218
Std Dev 0.9475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

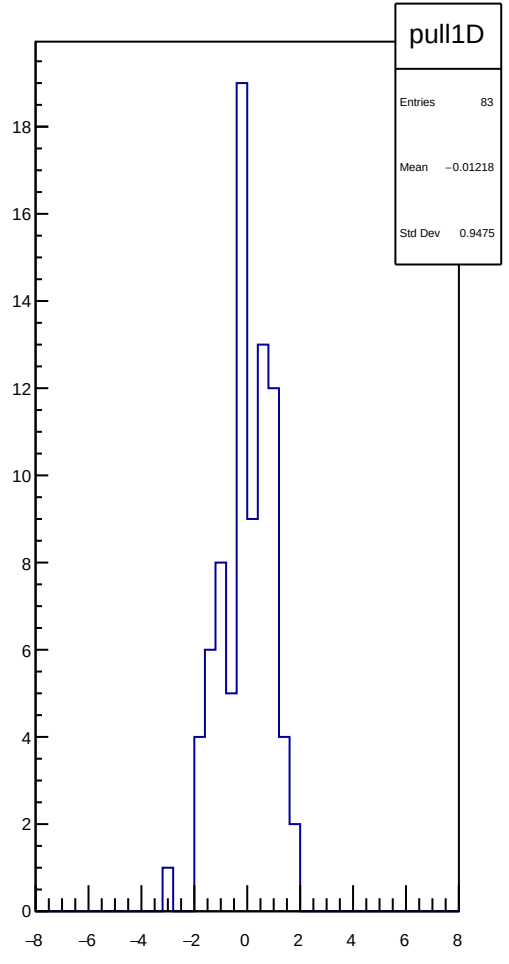

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 3083 / 82
p0 316.9 ± 0.2524
380
360
340
320
300

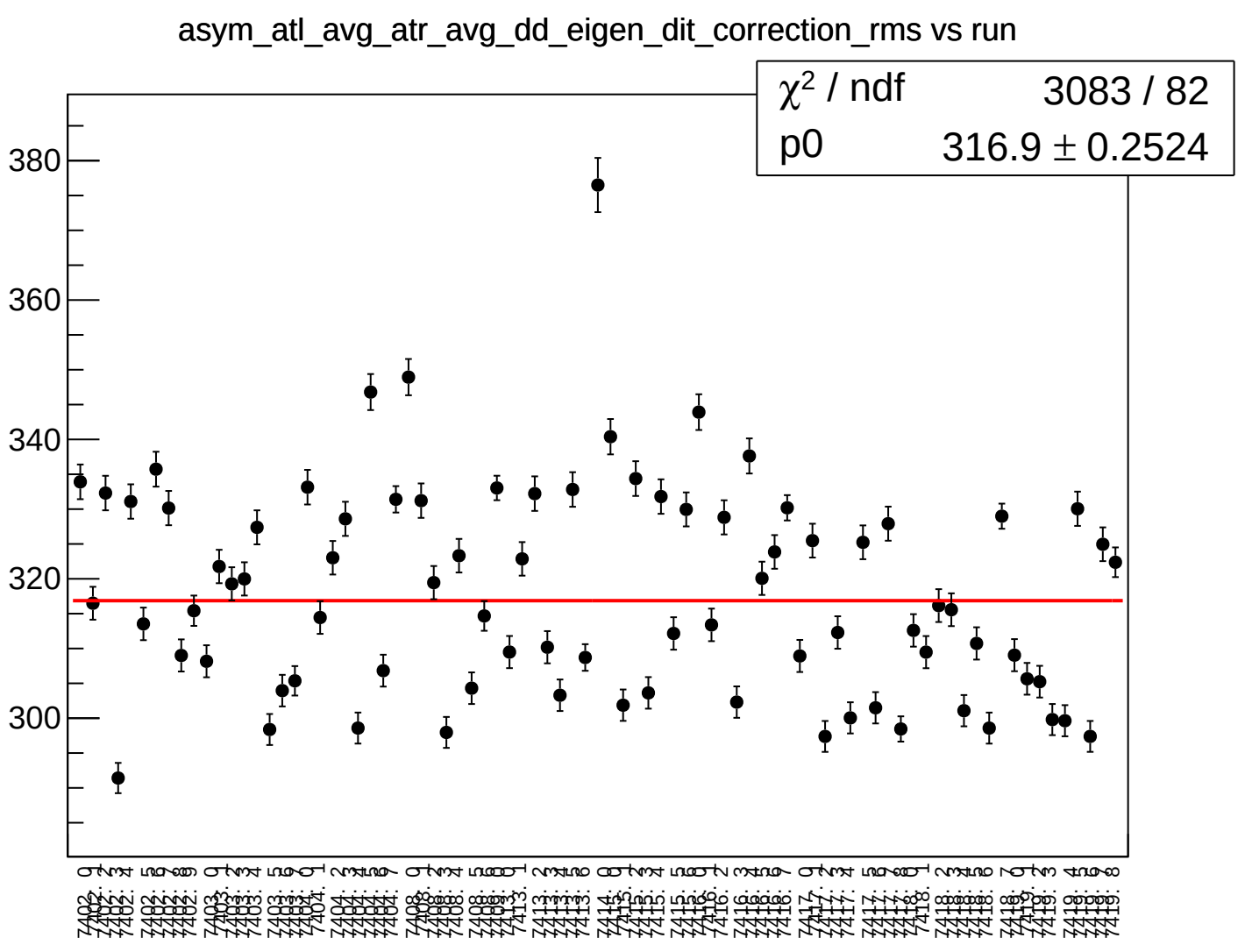

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 84.87 / 82
p0 −2857 ± 1355
pull
Entries 83
Mean 2310
Std Dev 0

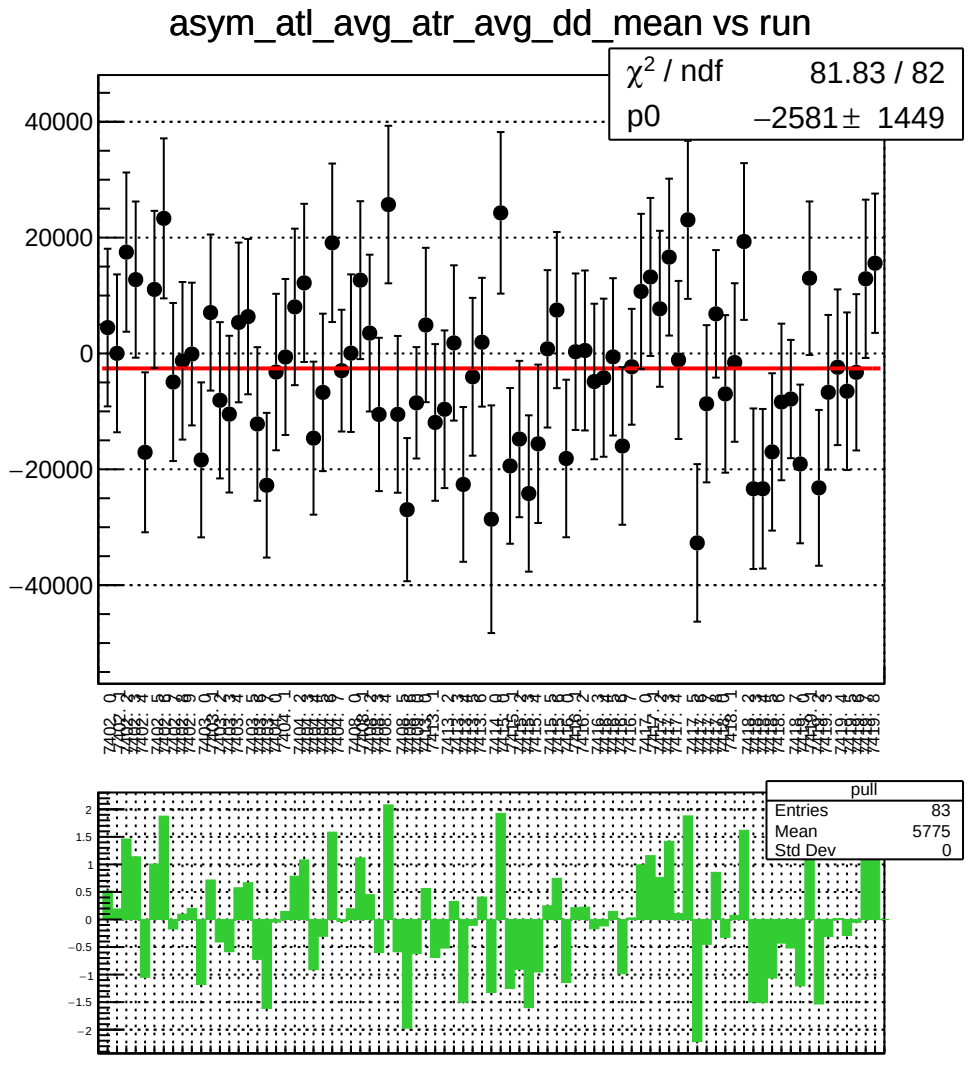

pull1D
Entries 83
Mean −0.0009855
Std Dev 1.011

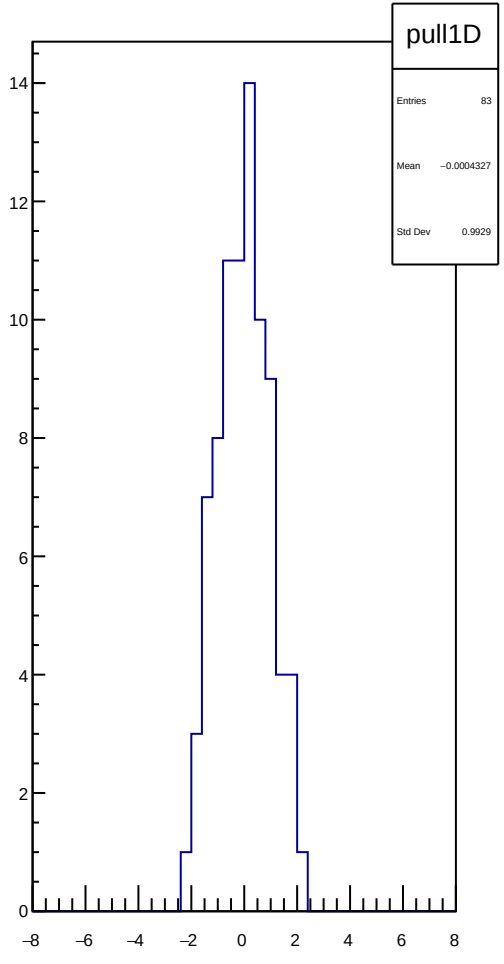

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 109.9 / 82
p0 1204 ± 0.9584
1240
1230
1220
1210
1200
1190
1180
1170

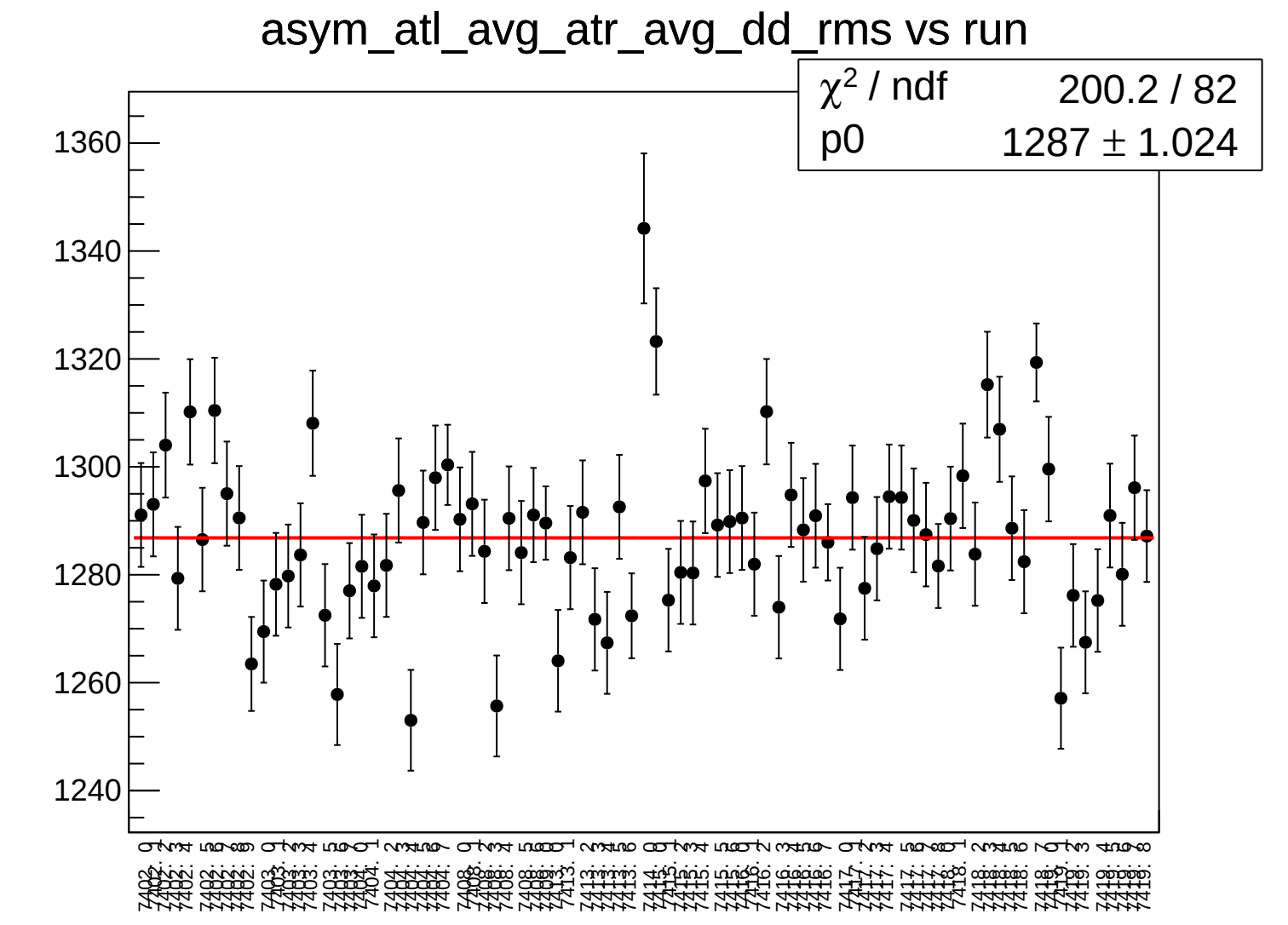

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.53 / 82
p0 −208.1± 357
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −87.95
Std Dev 0
2
1
0
−1
−2
−3

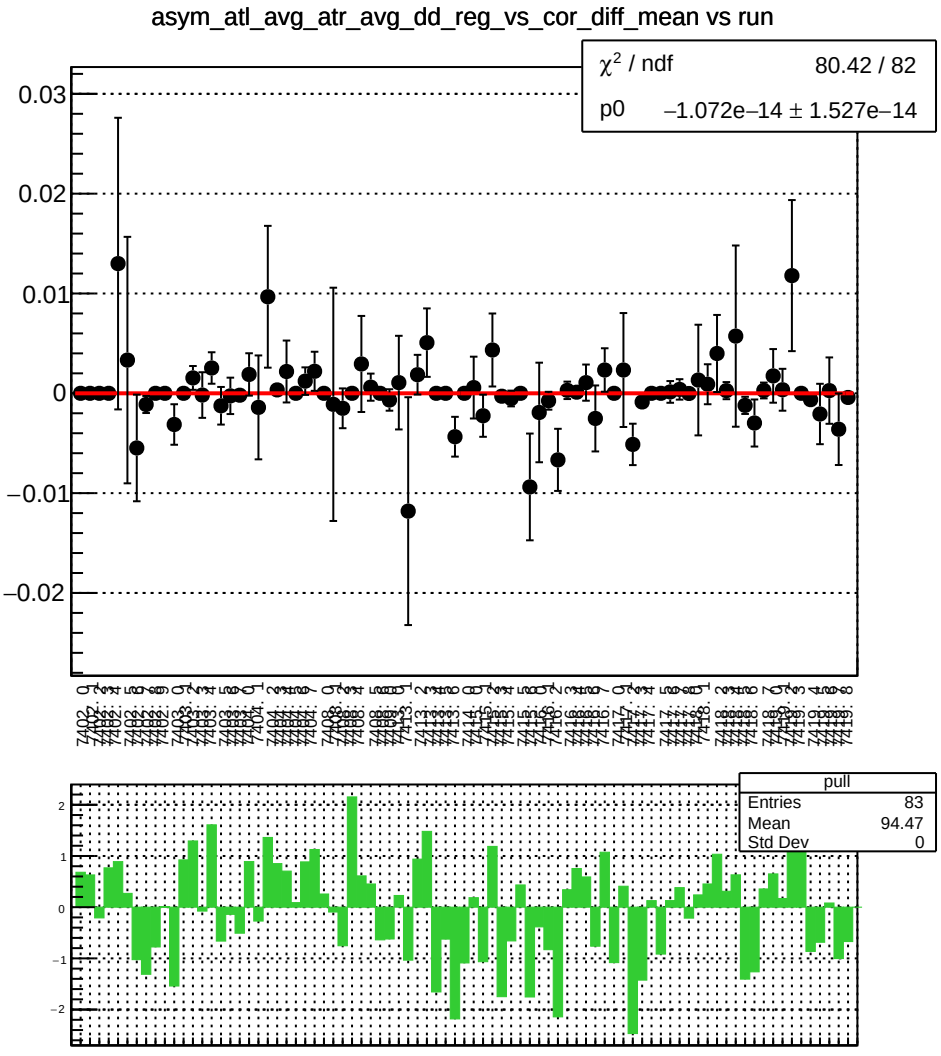

pull1D
Entries 83
Mean −0.01218
Std Dev 0.9475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

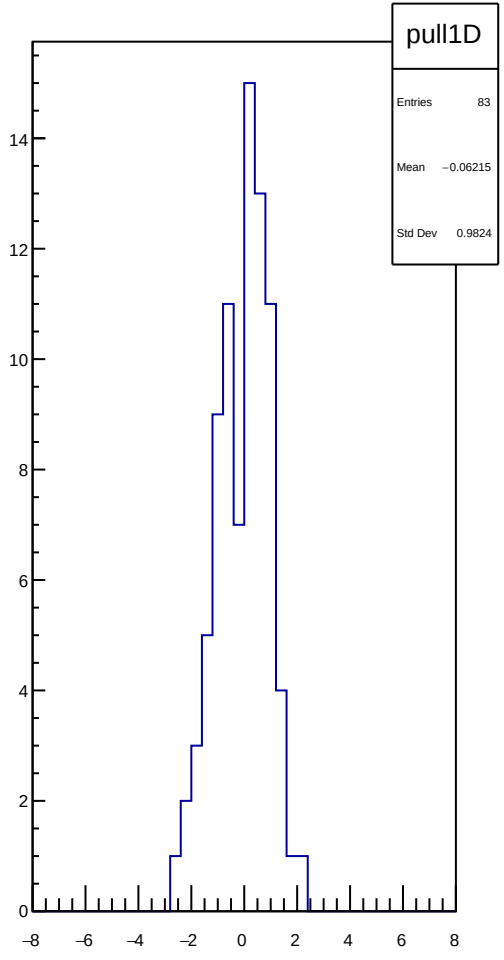

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3083 / 82
p0 316.9 ± 0.2524
380
360
340
320
300

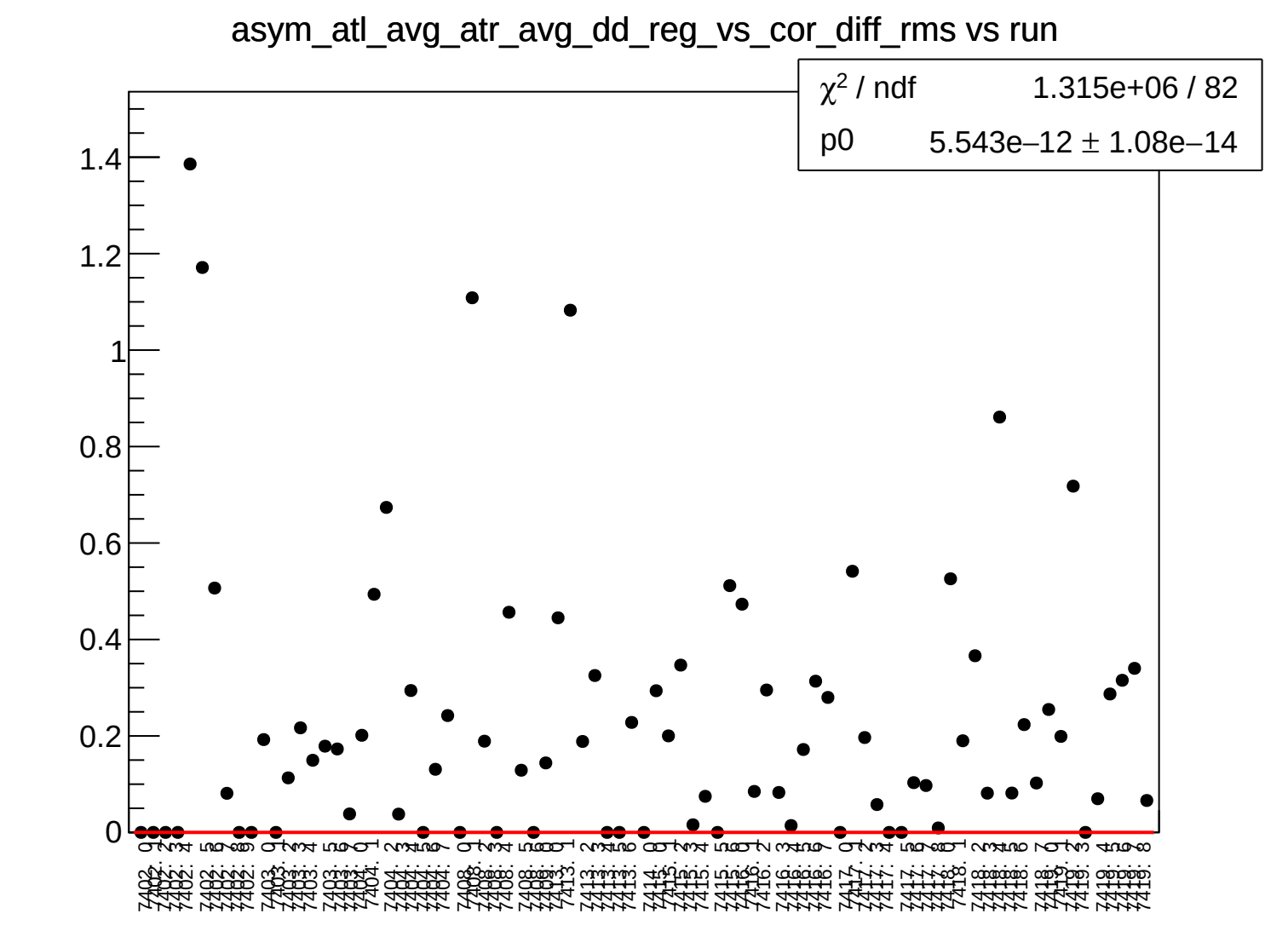

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.83 / 82
p0 −2581 ± 1449
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 5775
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

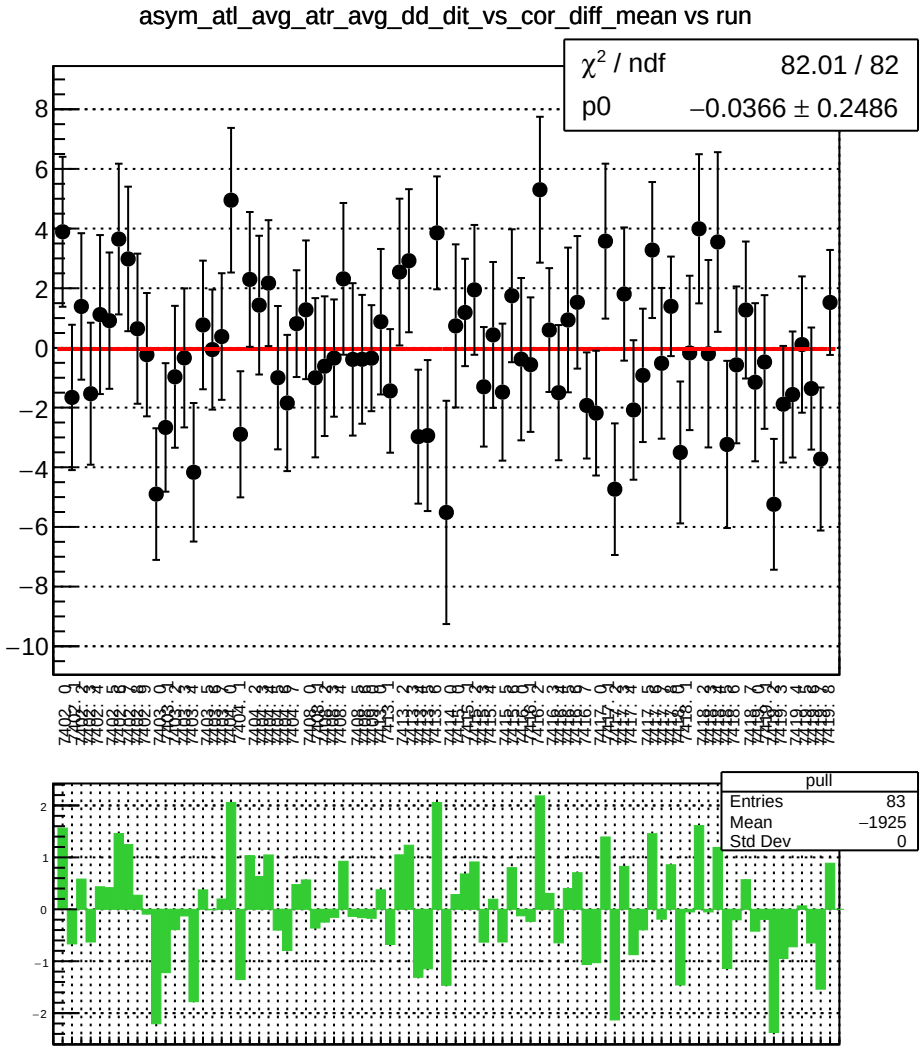

pull1D
Entries 83
Mean −0.0004327
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

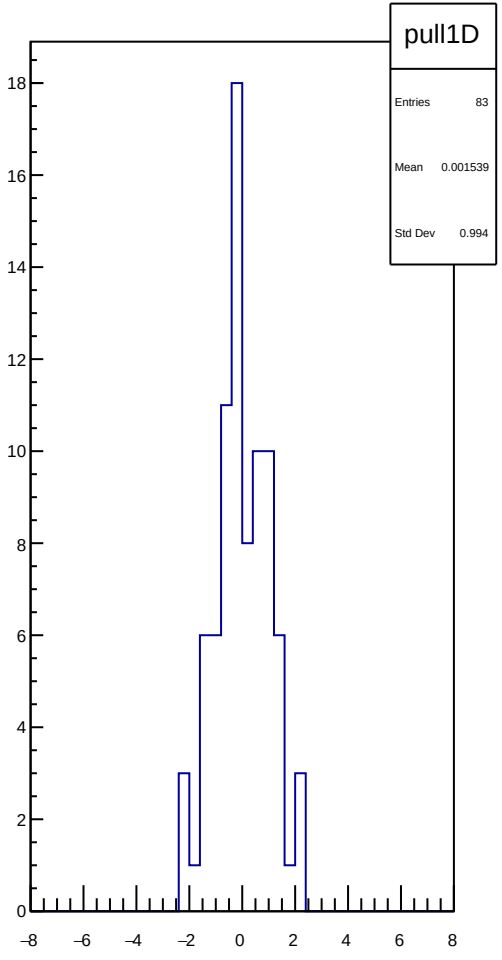

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 200.2 / 82
p0 1287 ± 1.024
1360
1340
1320
1300
1280
1260
1240

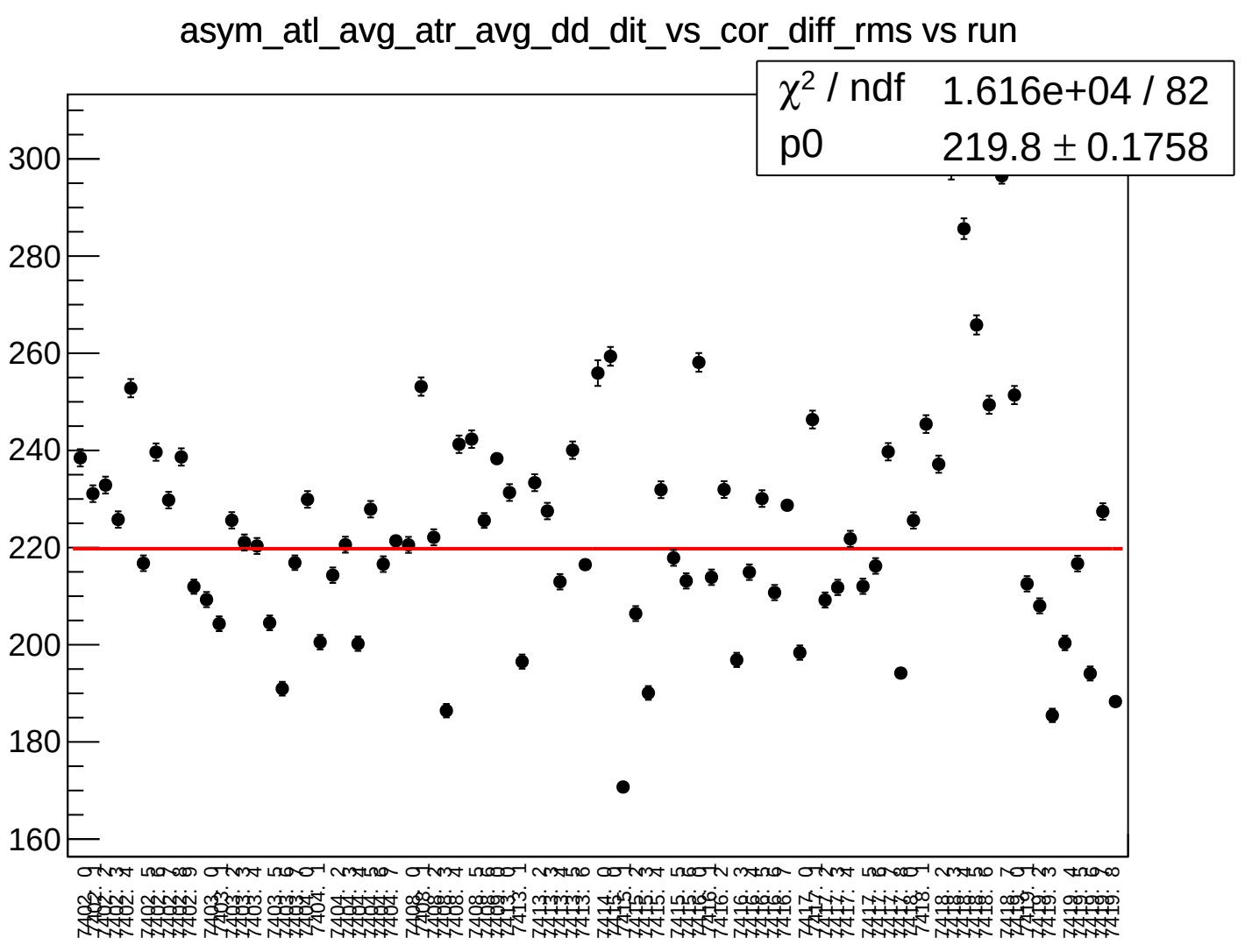

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.42 / 82
p0 −1.072e−14 ± 1.527e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 94.47
Std Dev 0

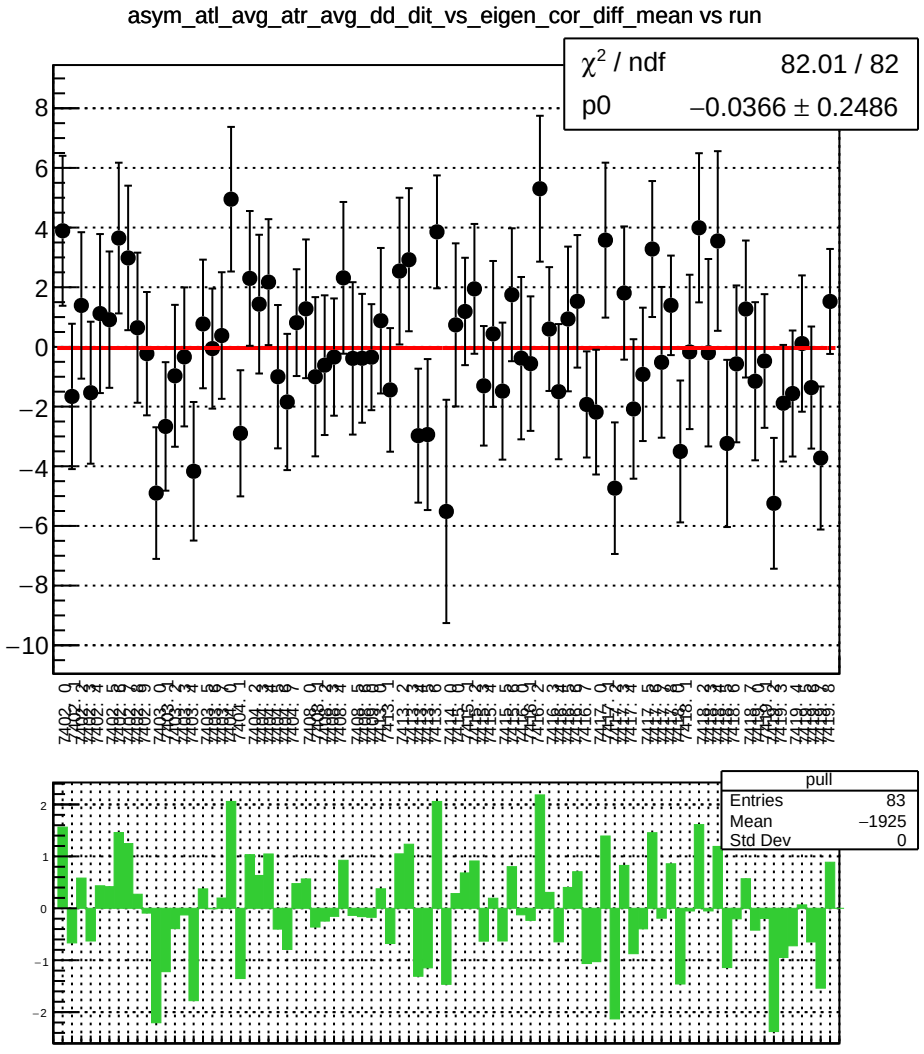

pull1D
Entries 83
Mean −0.06215
Std Dev 0.9824
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

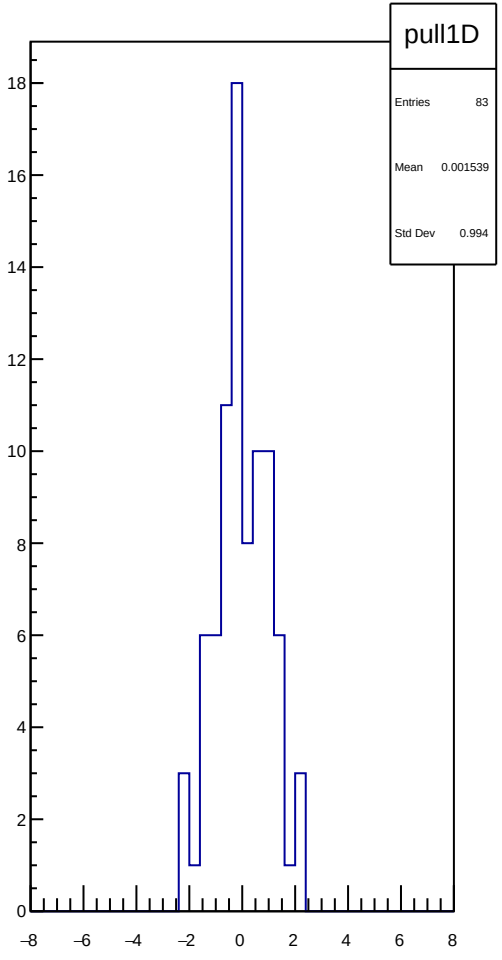

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.315e+06 / 82
p0 5.543e−12 ± 1.08e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

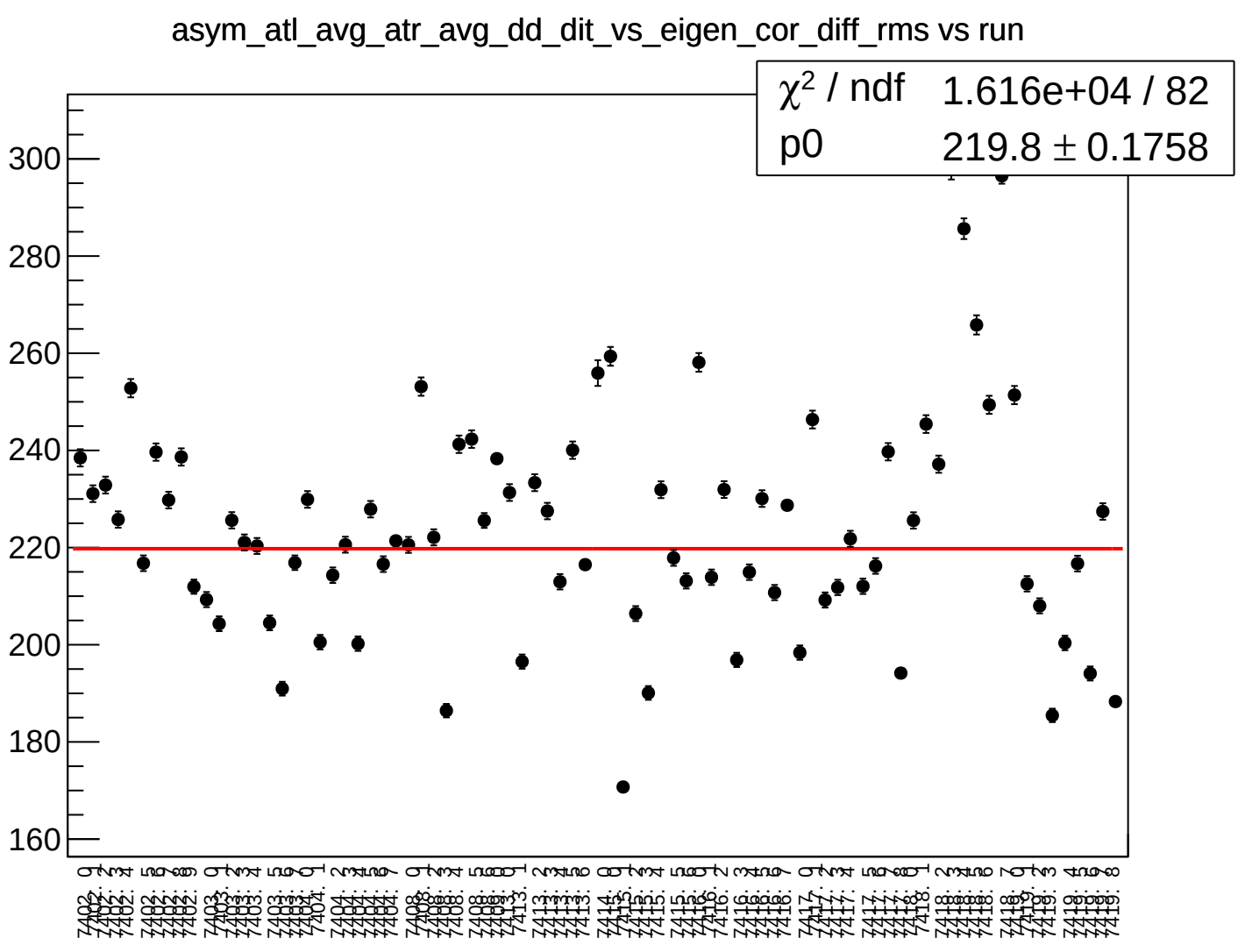

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

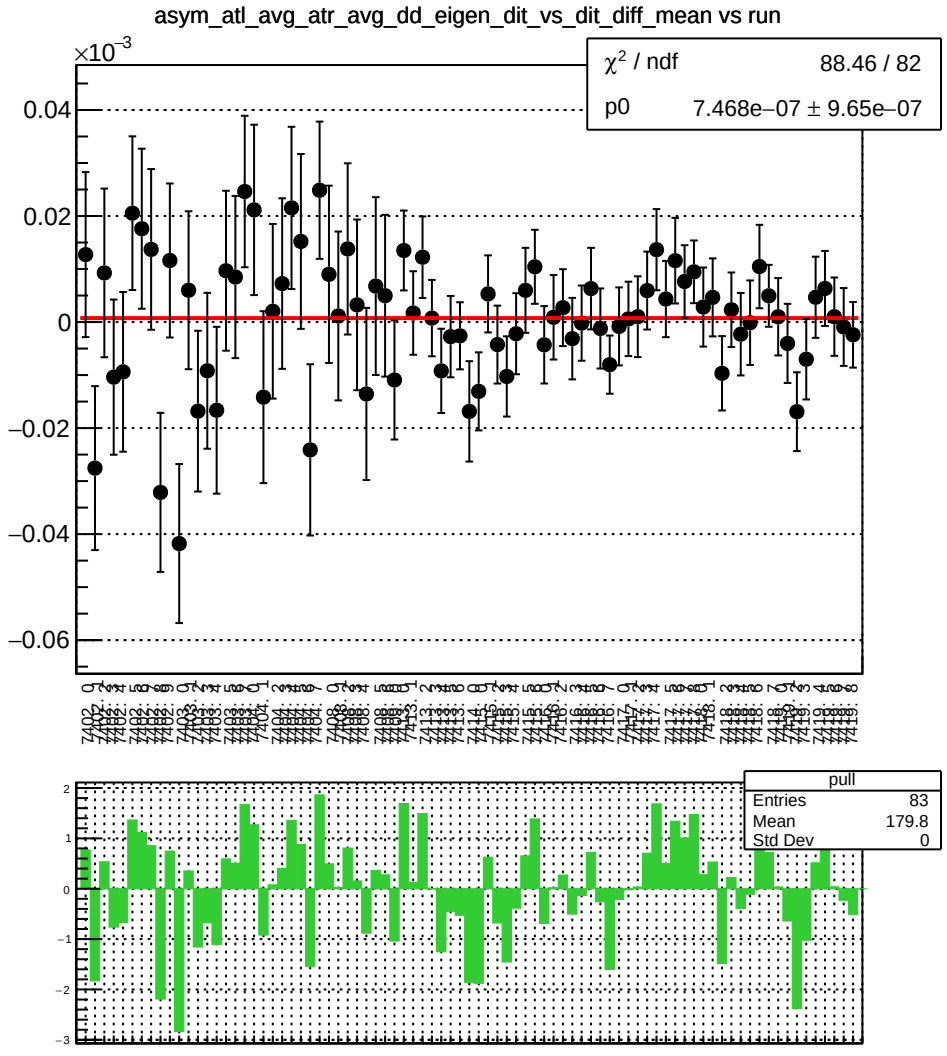

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

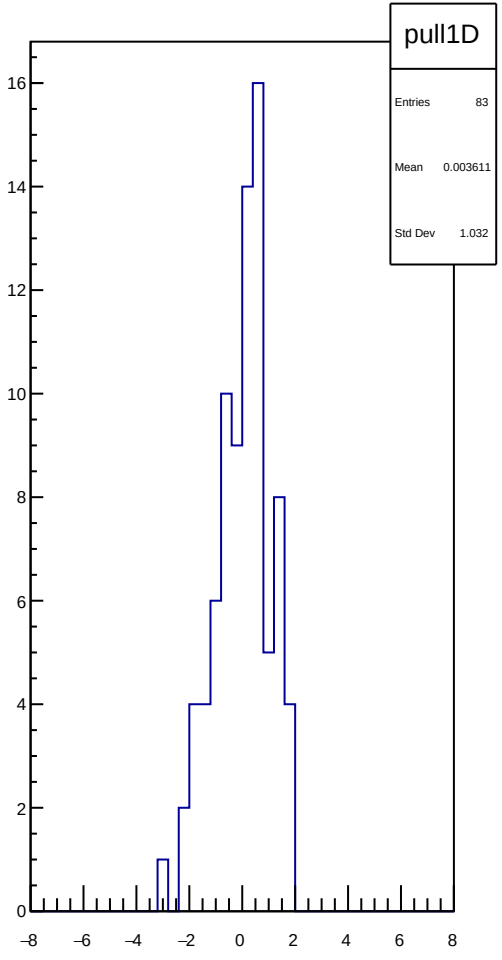

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

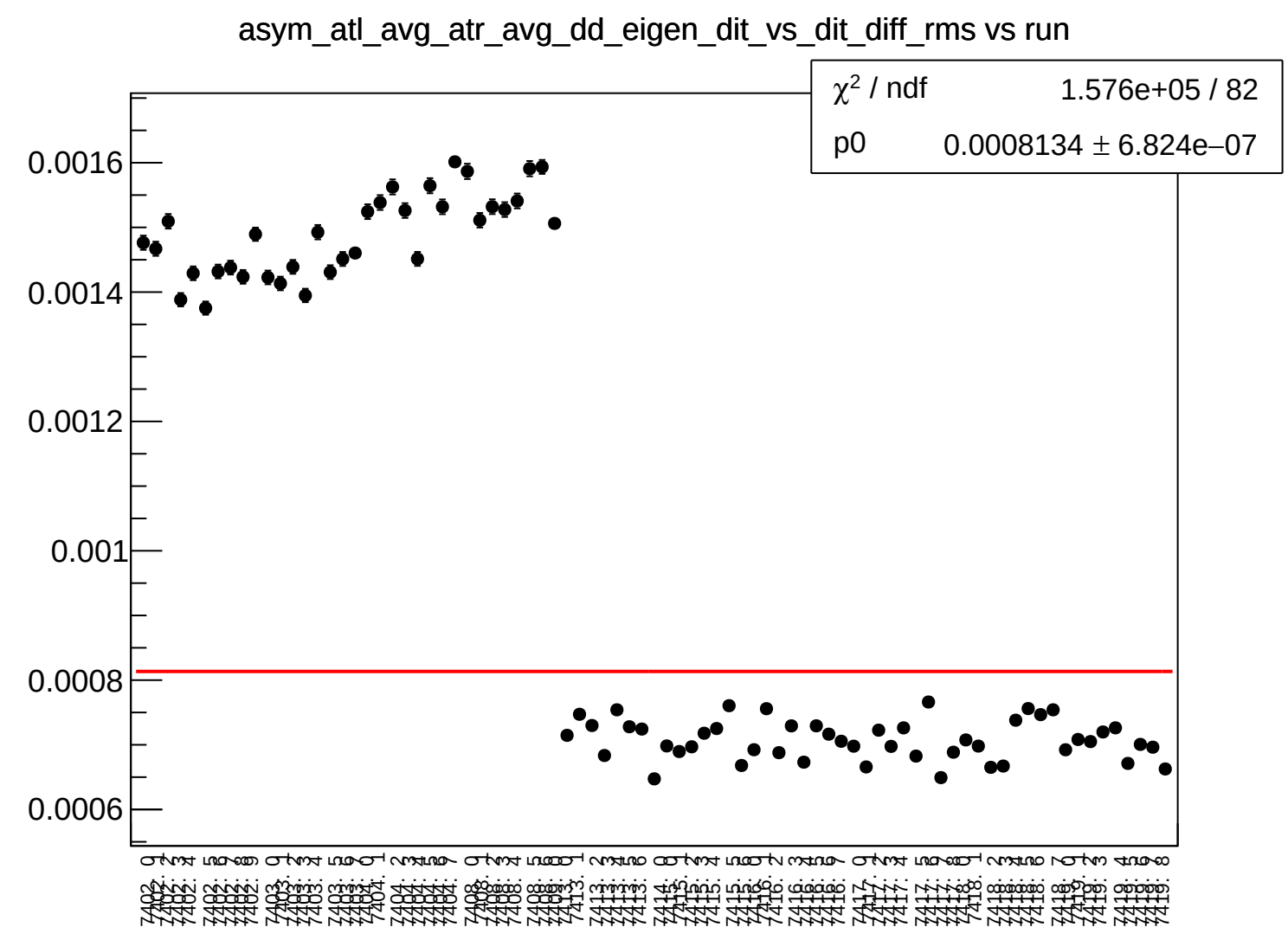

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

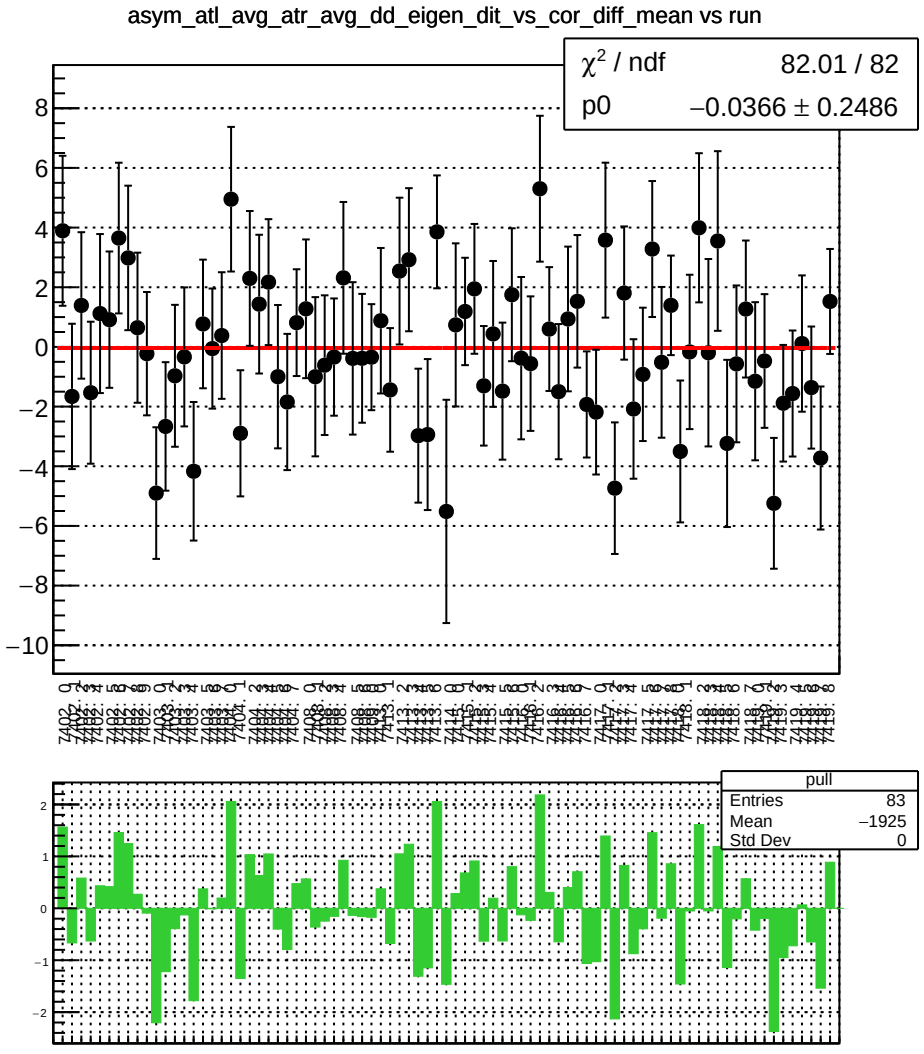

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

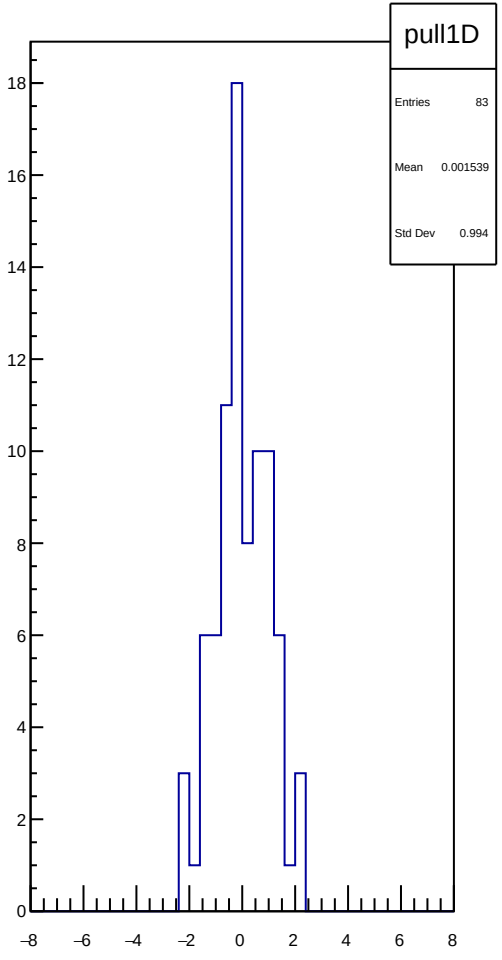

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

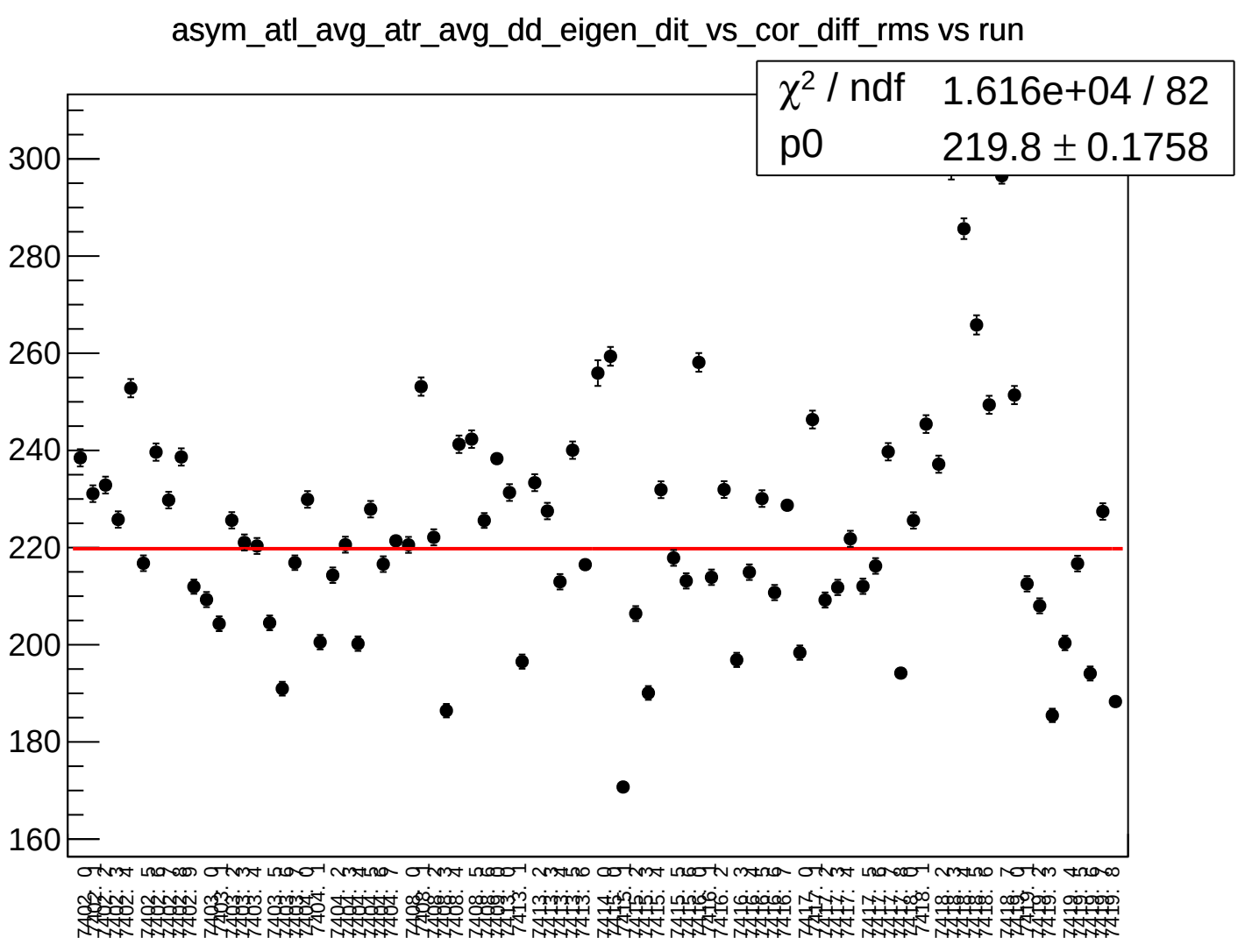

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.46 / 82
p0 7.468e−07 ± 9.65e−07
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 83
Mean 179.8
Std Dev 0
2
1
0
−1
−2
−3

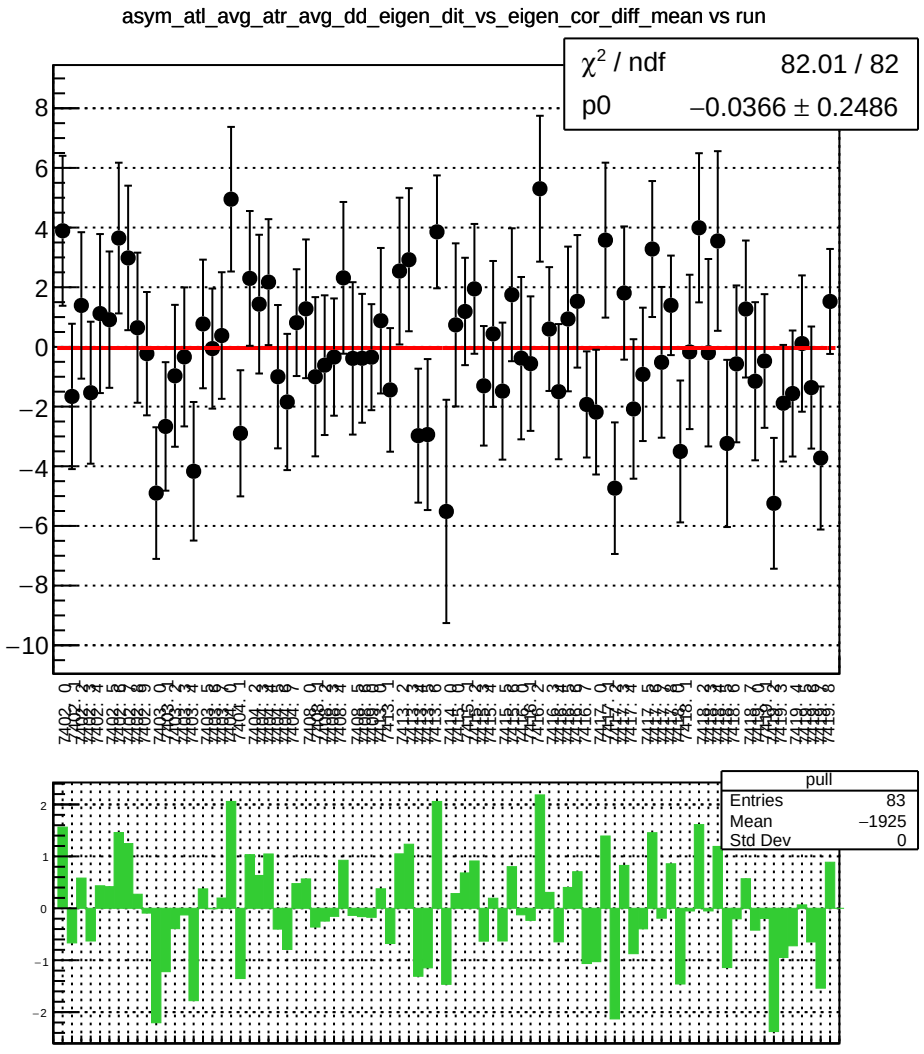

pull1D
Entries 83
Mean 0.003611
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

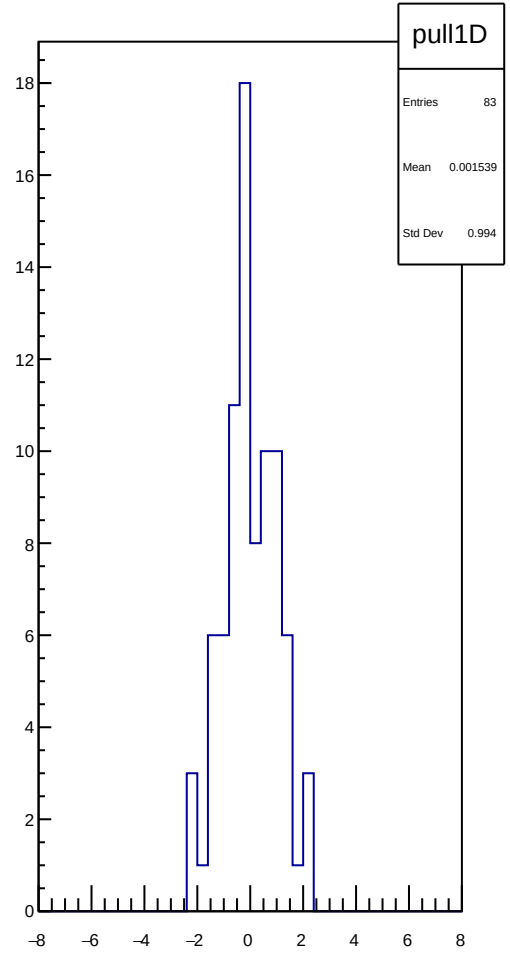

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.576e+05 / 82
p0 0.0008134 ± 6.824e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

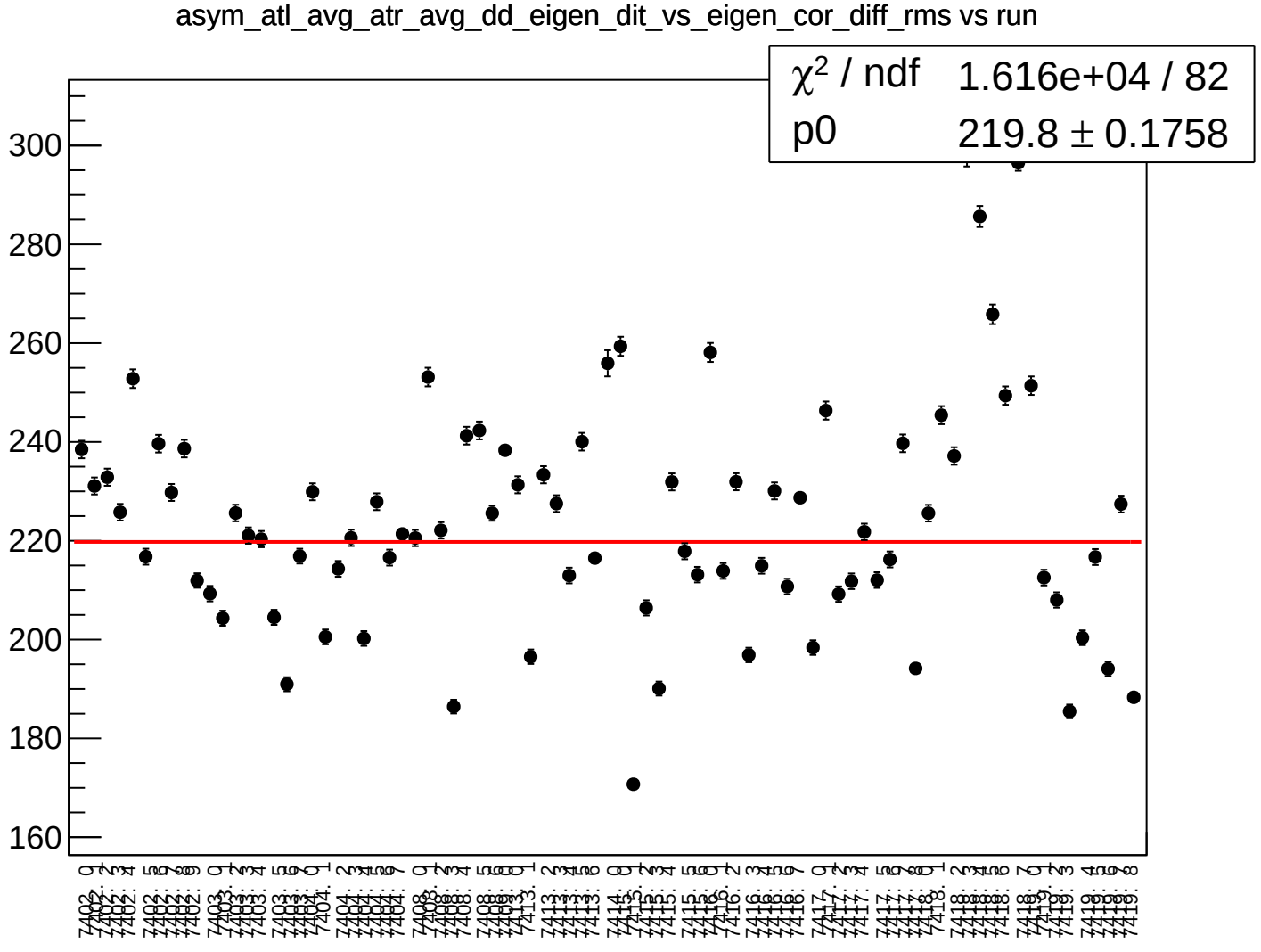

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

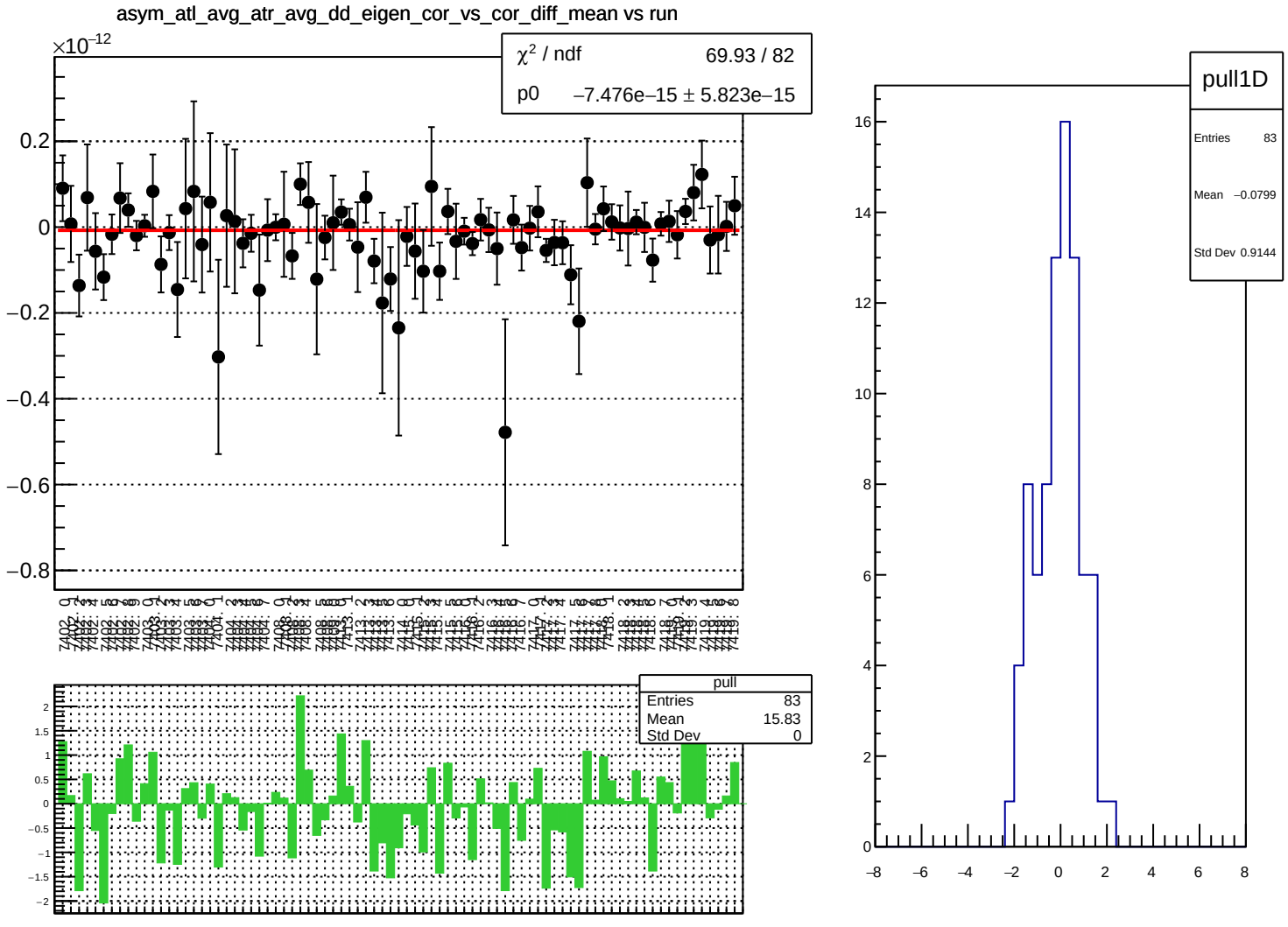

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

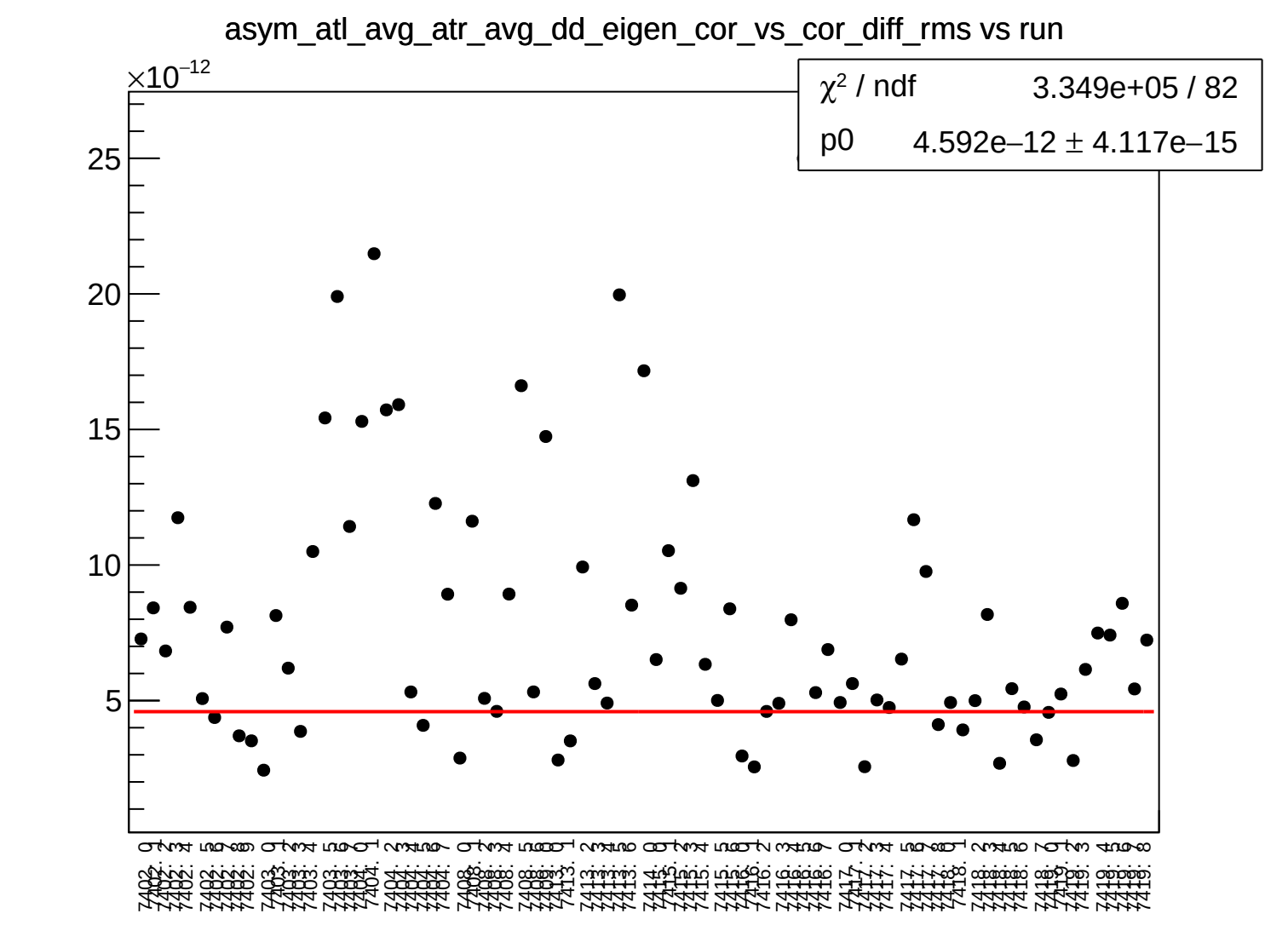

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

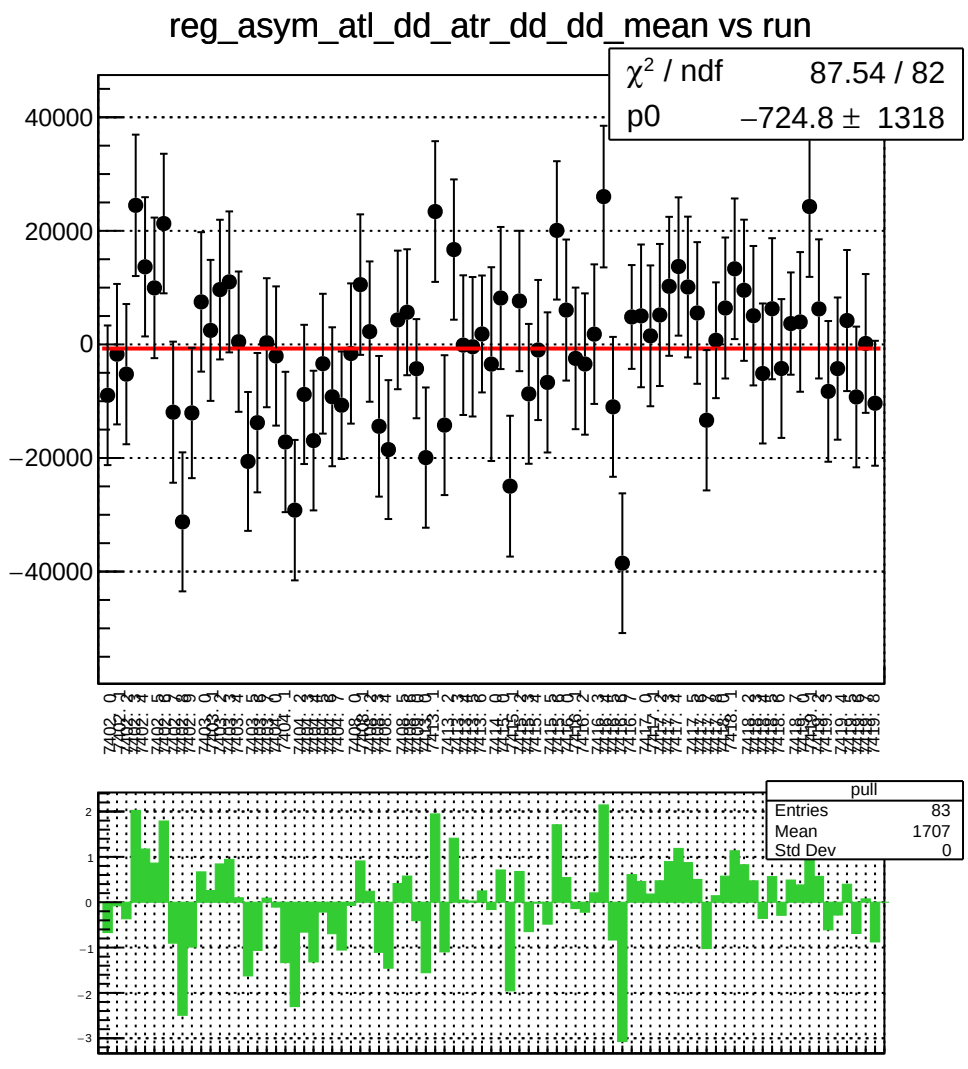

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

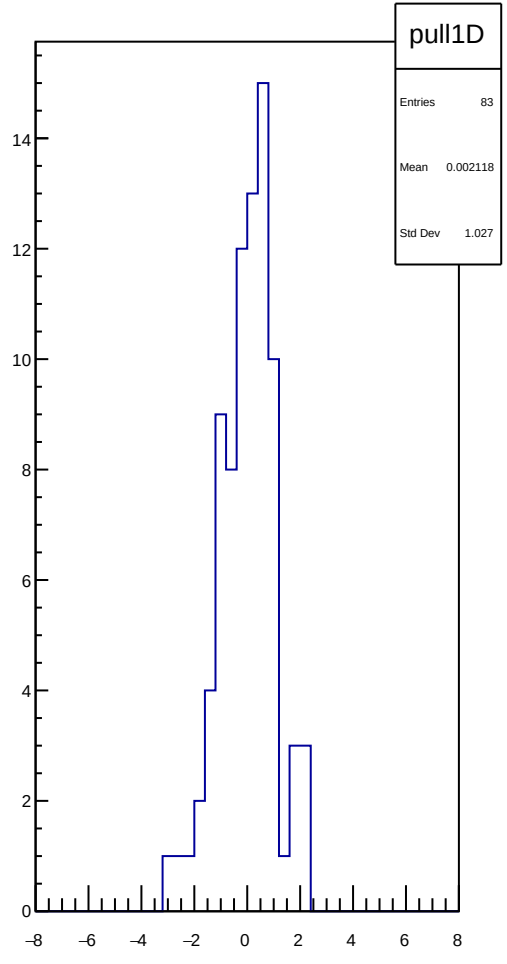

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

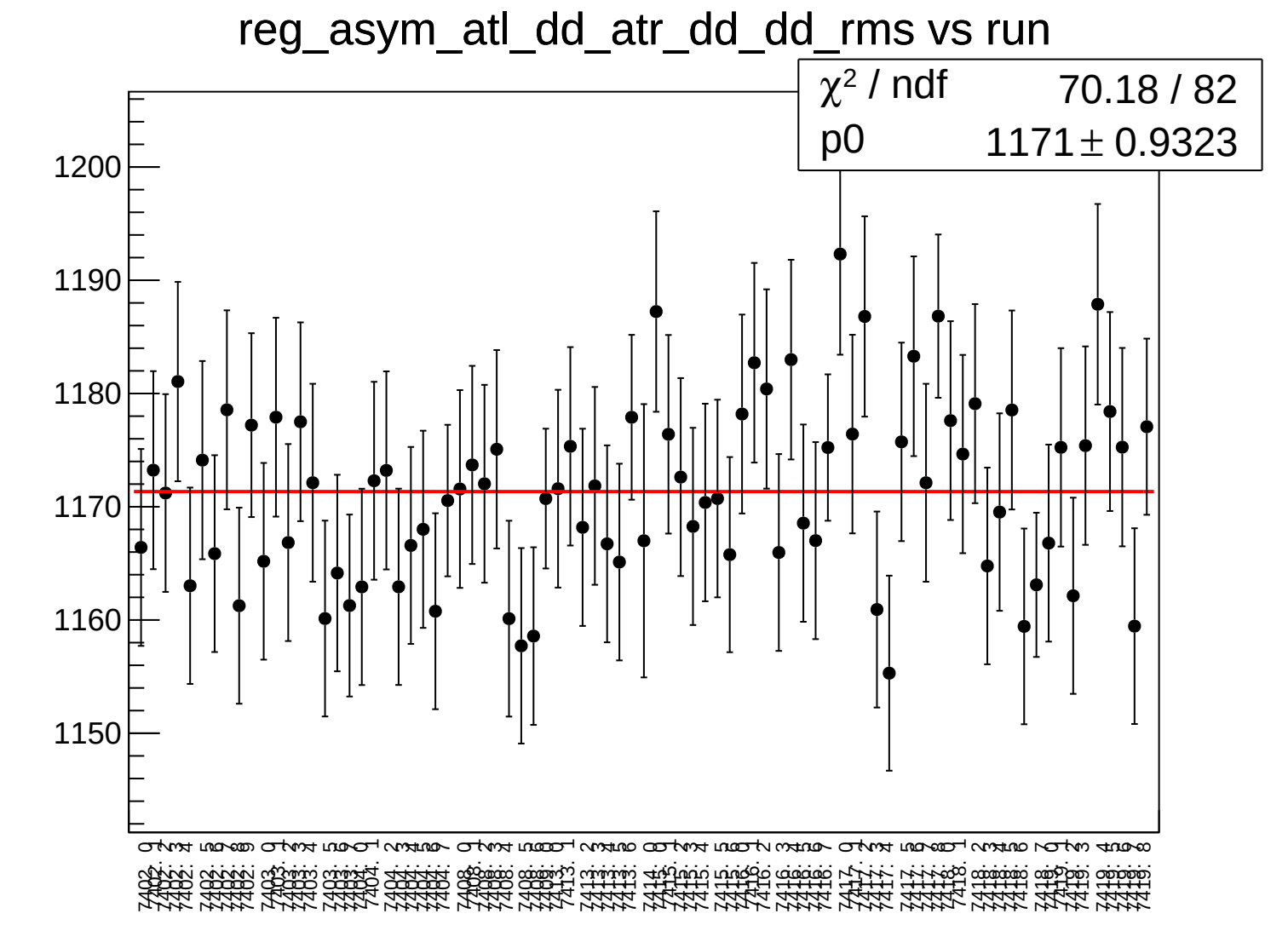

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

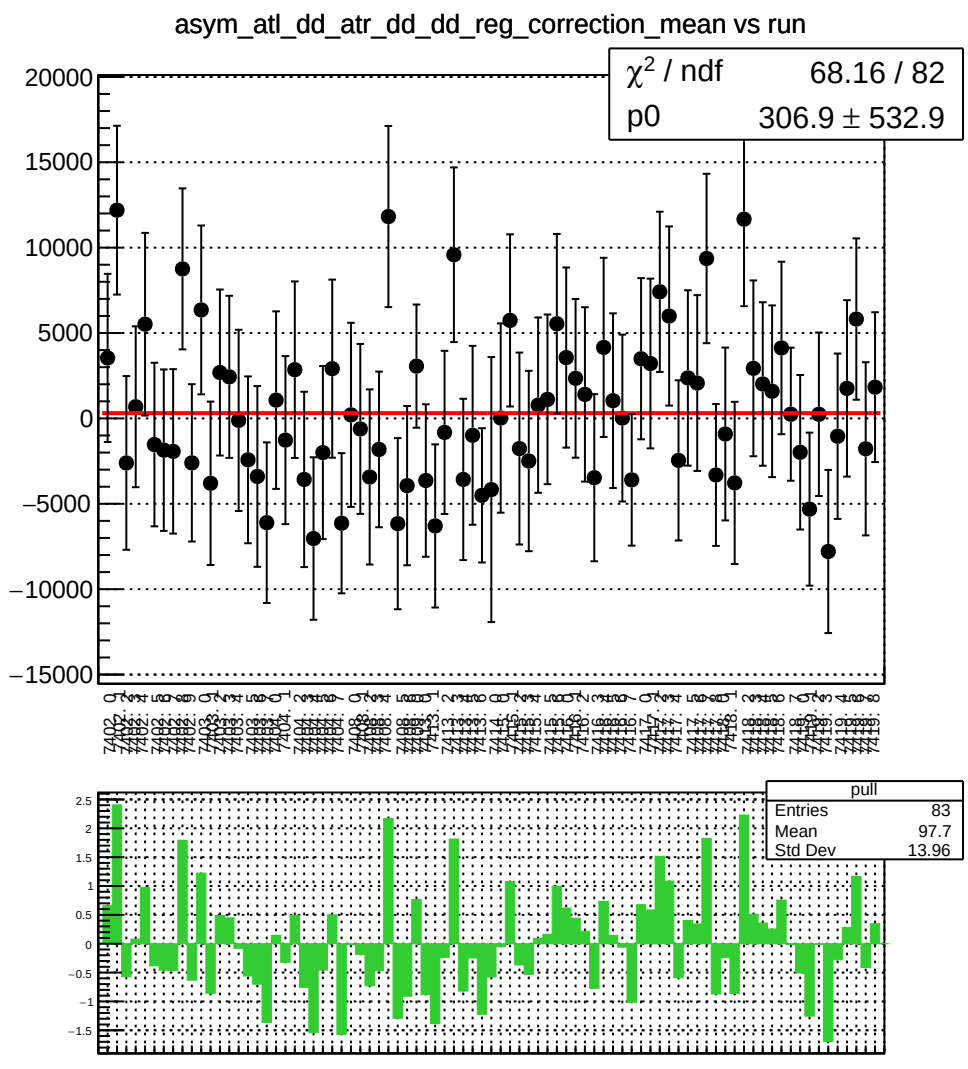

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.93 / 82
p0 −7.476e−15 ± 5.823e−15
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 83
Mean 15.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.0799
Std Dev 0.9144
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

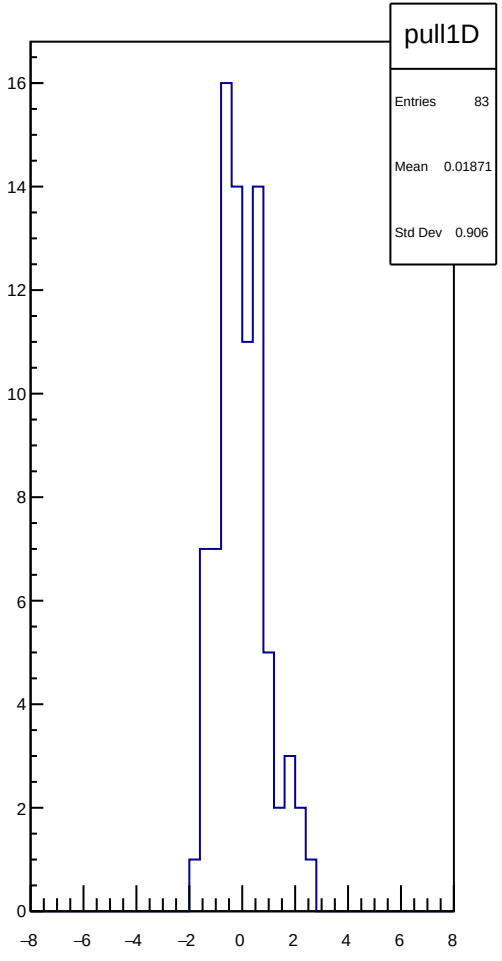

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.349e+05 / 82
p0 4.592e−12 ± 4.117e−15
25
20
15
10
5

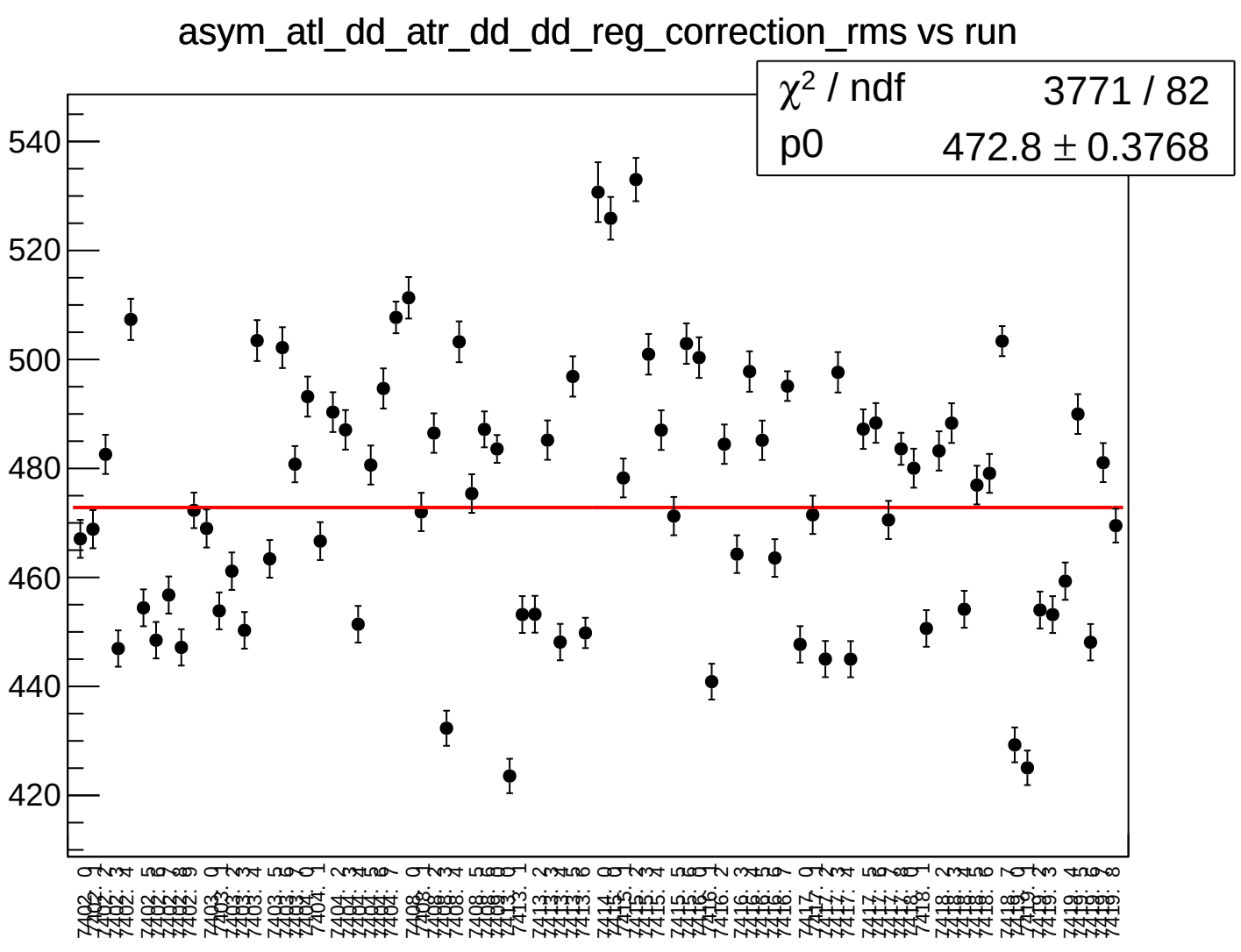

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 87.54 / 82
p0 −724.8 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 1707
Std Dev 0
2
1
0
−1
−2
−3

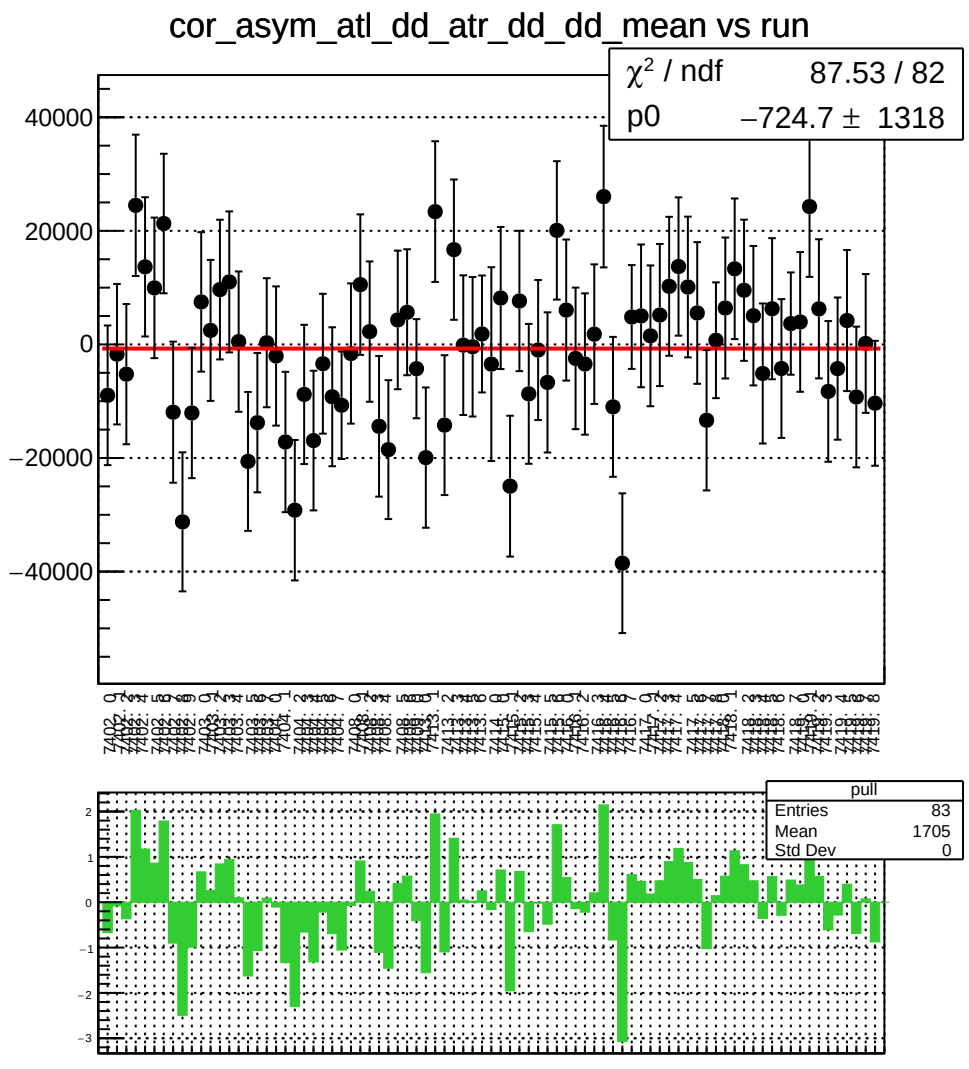

pull1D
Entries 83
Mean 0.002118
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

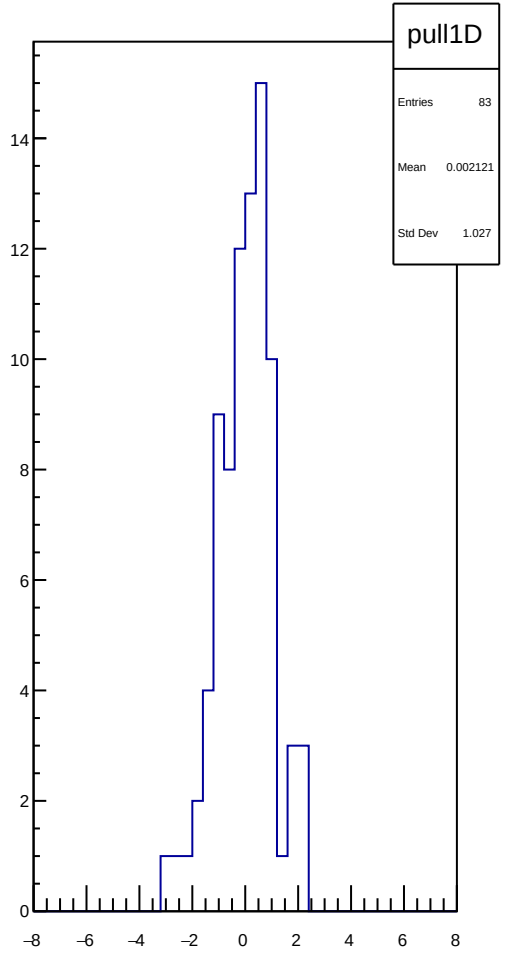

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 70.18 / 82
p0 1171 ± 0.9323
1200
1190
1180
1170
1160
1150

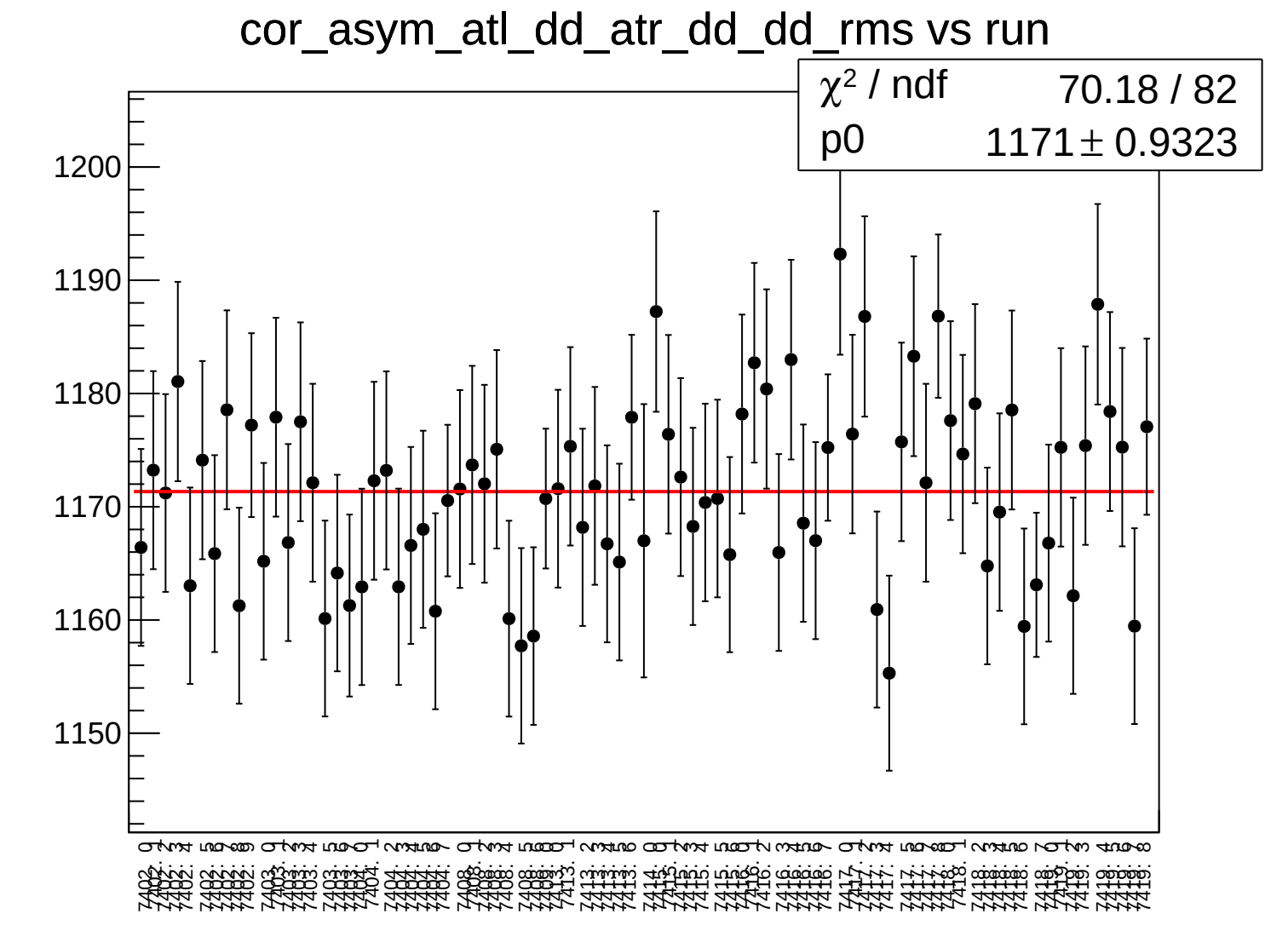

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 68.16 / 82
p0 306.9 ± 532.9
pull
Entries 83
Mean 97.7
Std Dev 13.96

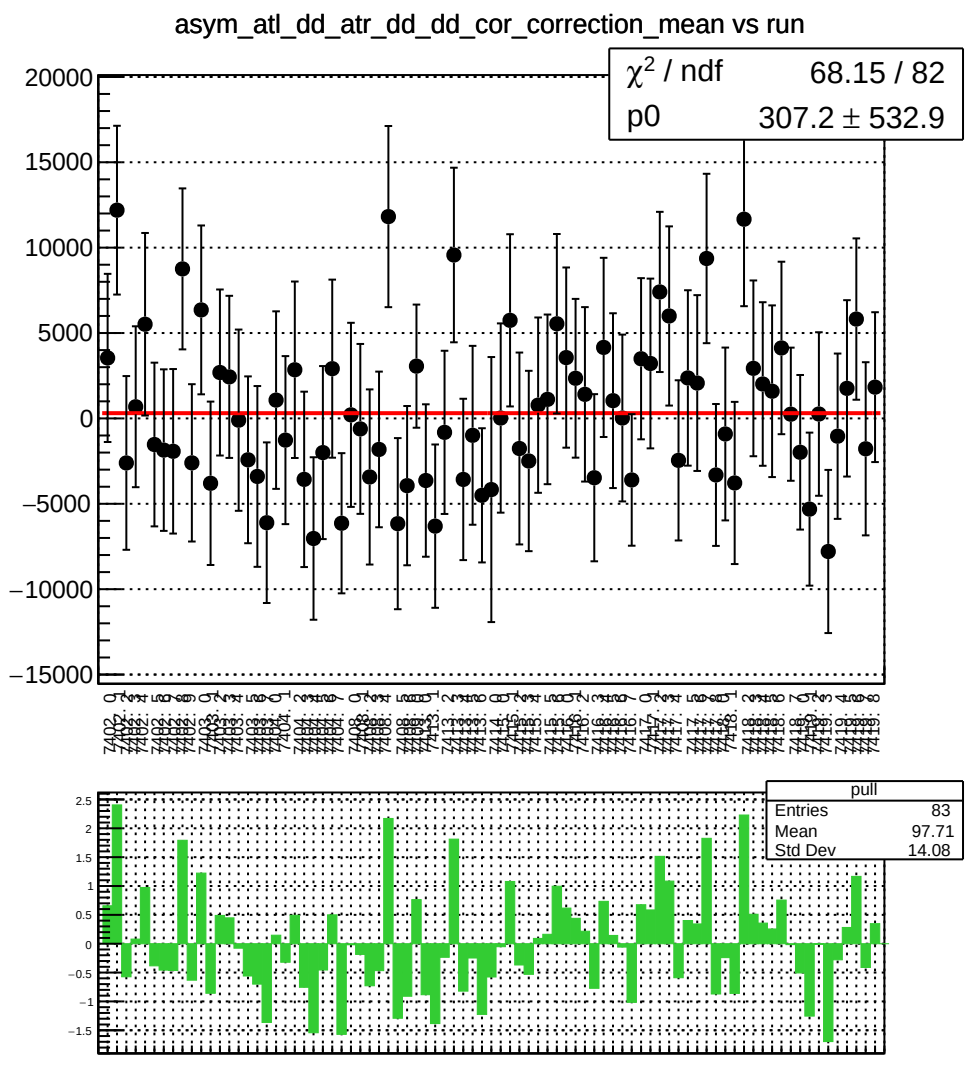

pull1D
Entries 83
Mean 0.01871
Std Dev 0.906

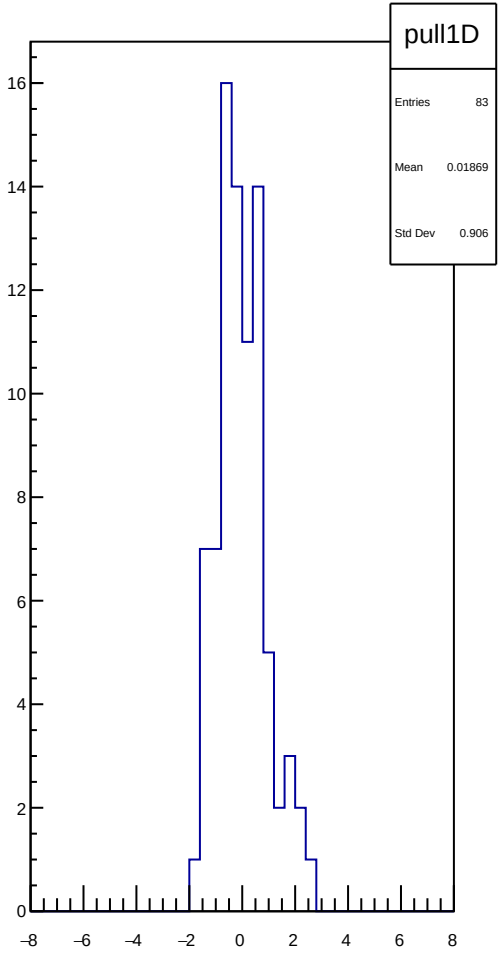

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 3771 / 82
p0 472.8 ± 0.3768
540
520
500
480
460
440
420

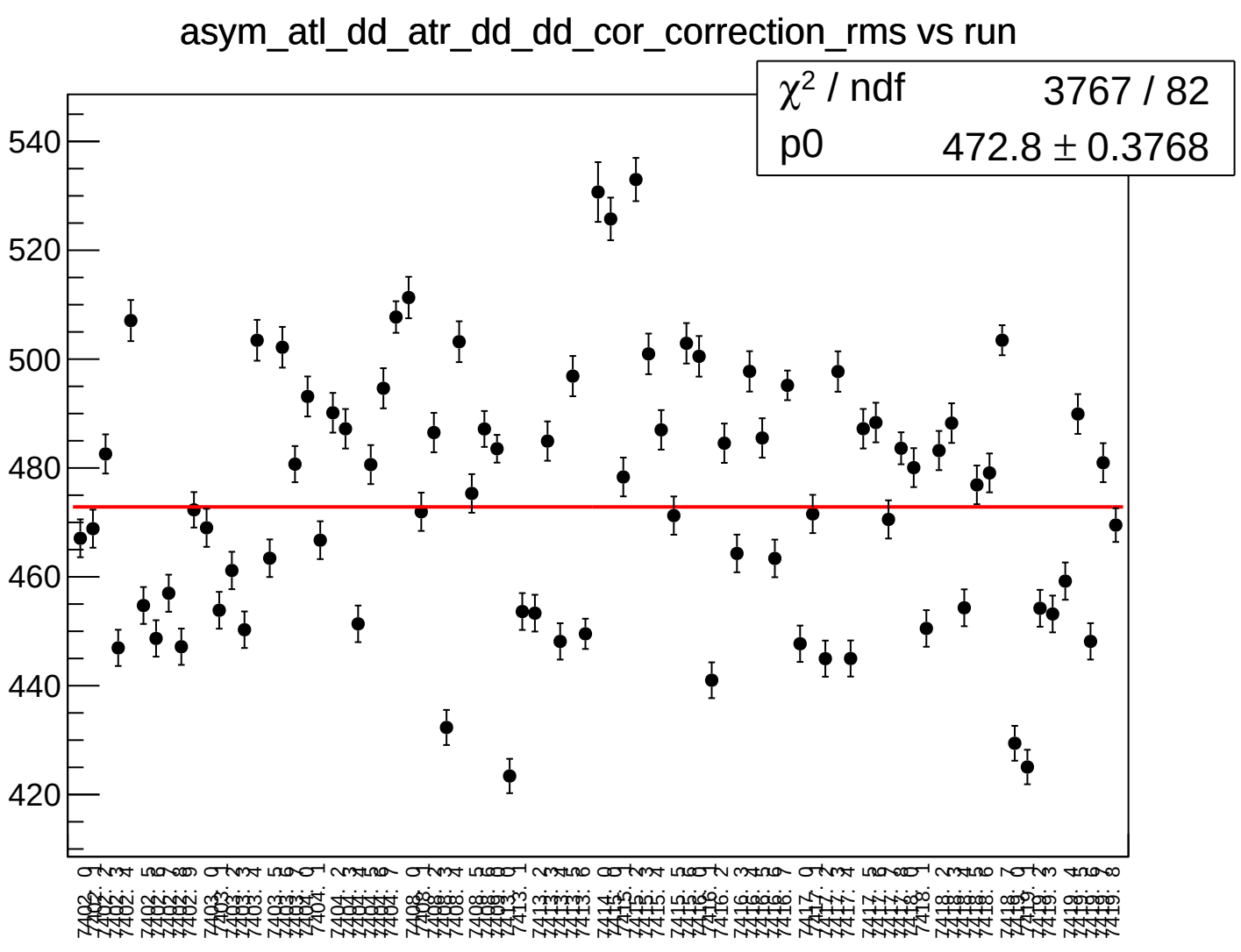

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 87.53 / 82
p0 −724.7 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 1705
Std Dev 0
2
1
0
−1
−2
−3

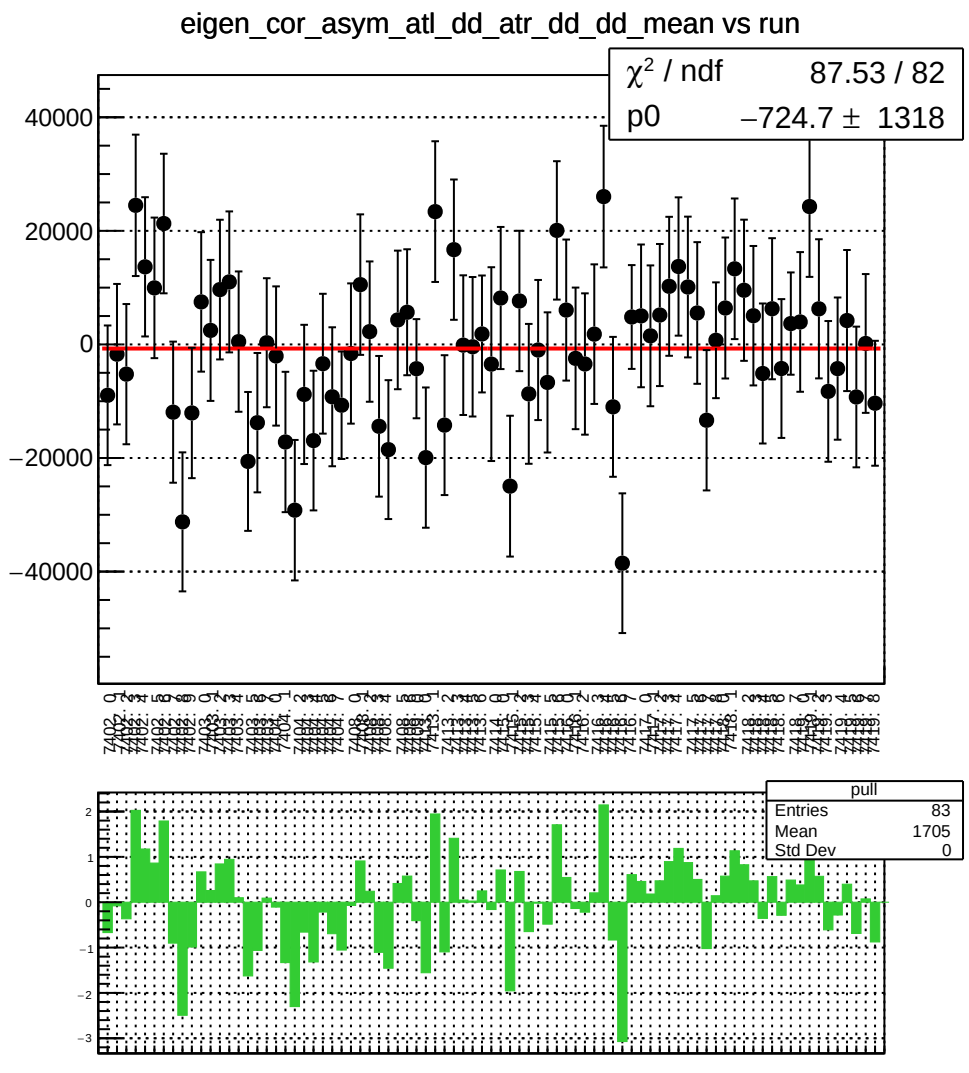

pull1D
Entries 83
Mean 0.002121
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

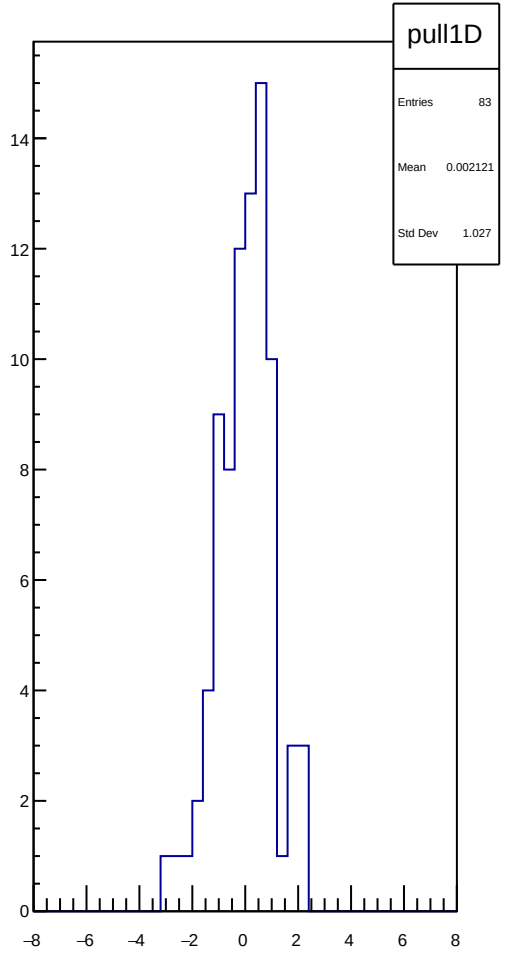

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 70.18 / 82
p0 1171 ± 0.9323
1200
1190
1180
1170
1160
1150

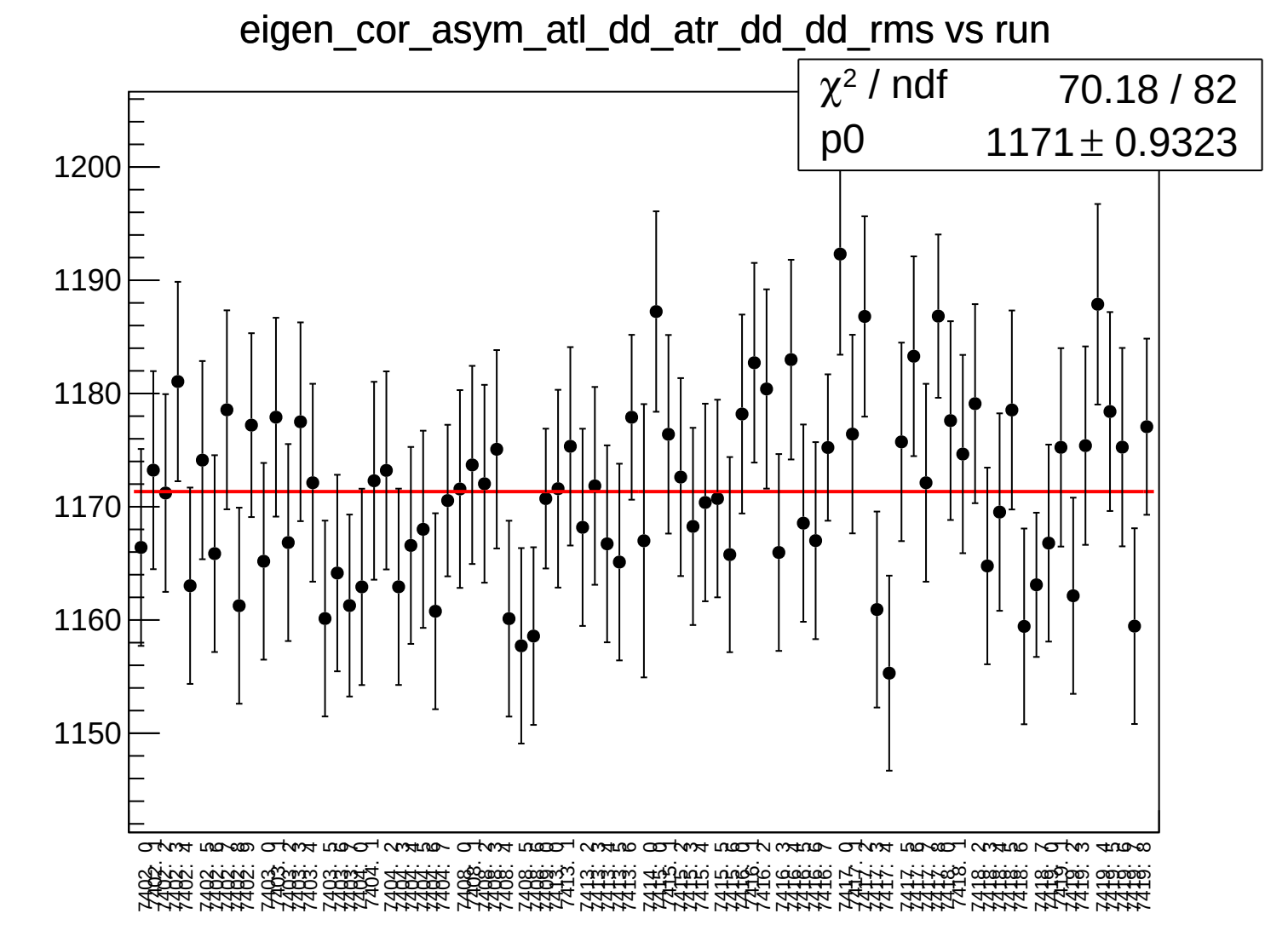

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 68.15 / 82
p0 307.2 ± 532.9
pull
Entries 83
Mean 97.71
Std Dev 14.08

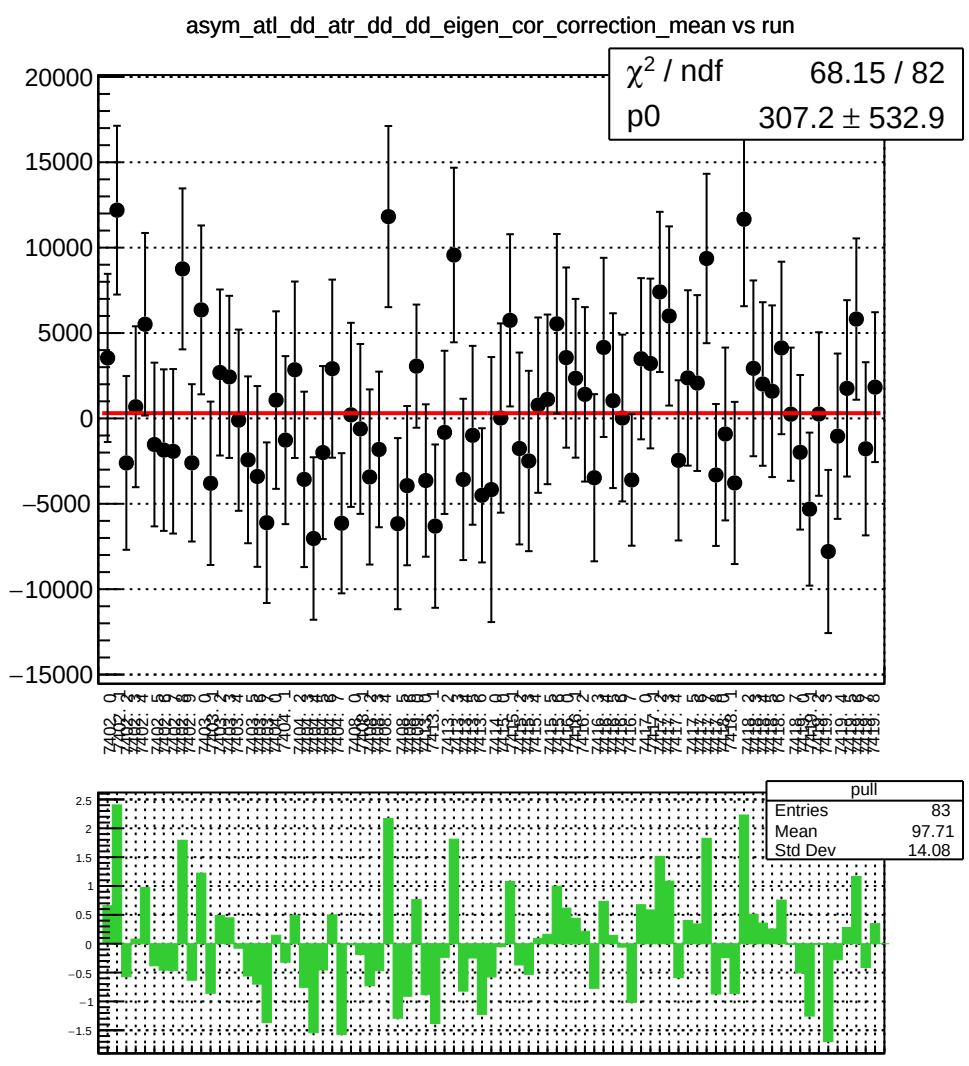

pull1D
Entries 83
Mean 0.01869
Std Dev 0.906

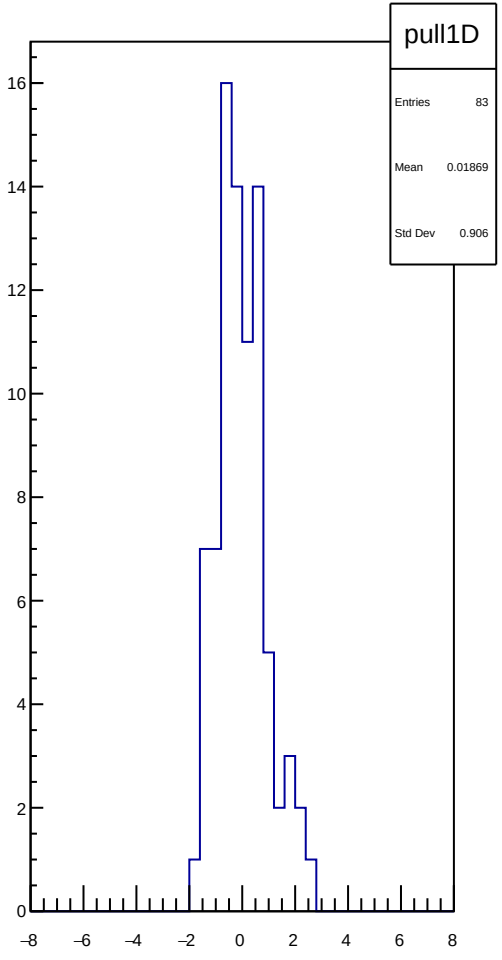

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 3767 / 82
p0 472.8 ± 0.3768
540
520
500
480
460
440
420

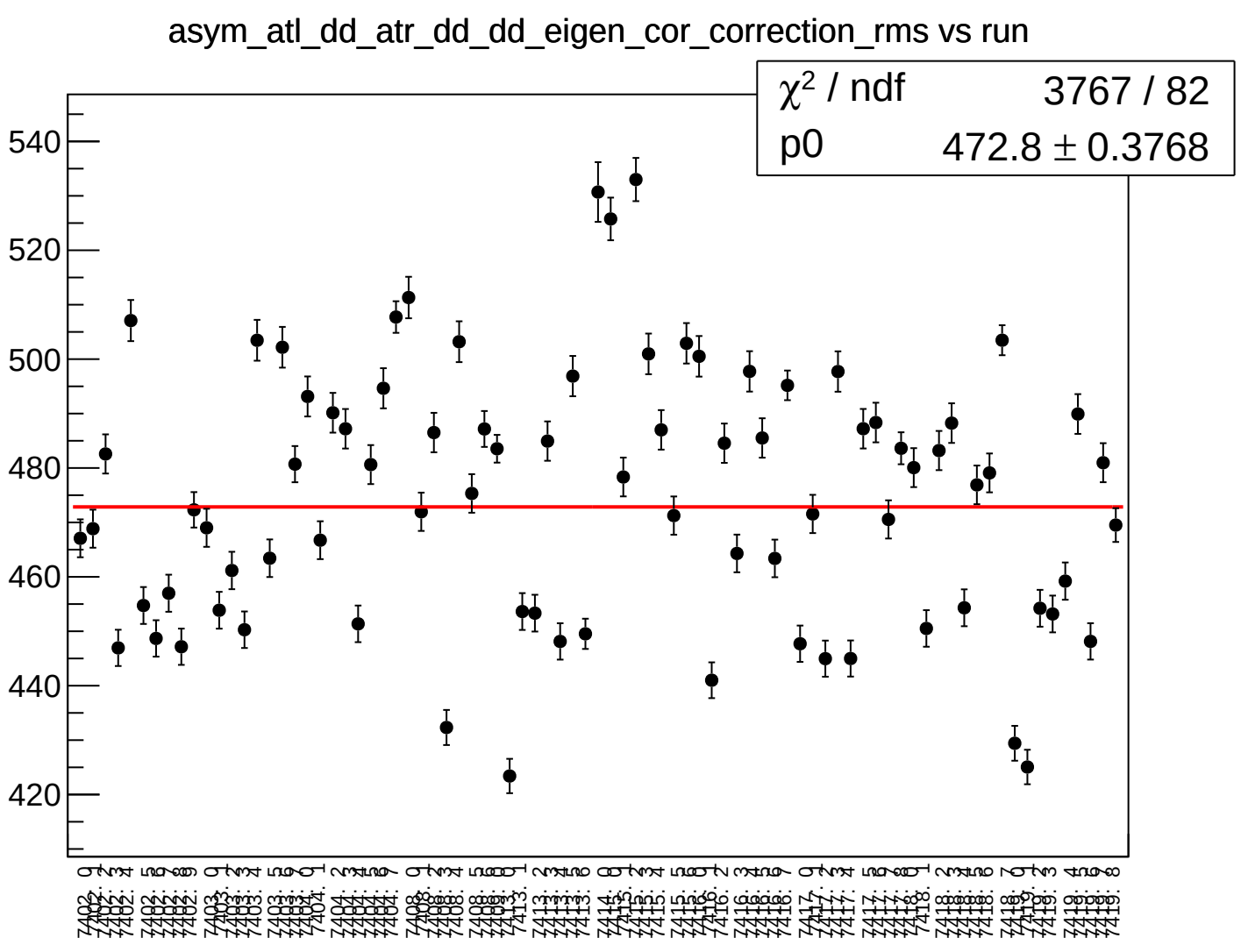

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 87.53 / 82
p0 −724.7 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 1705
Std Dev 0
2
1
0
−1
−2
−3

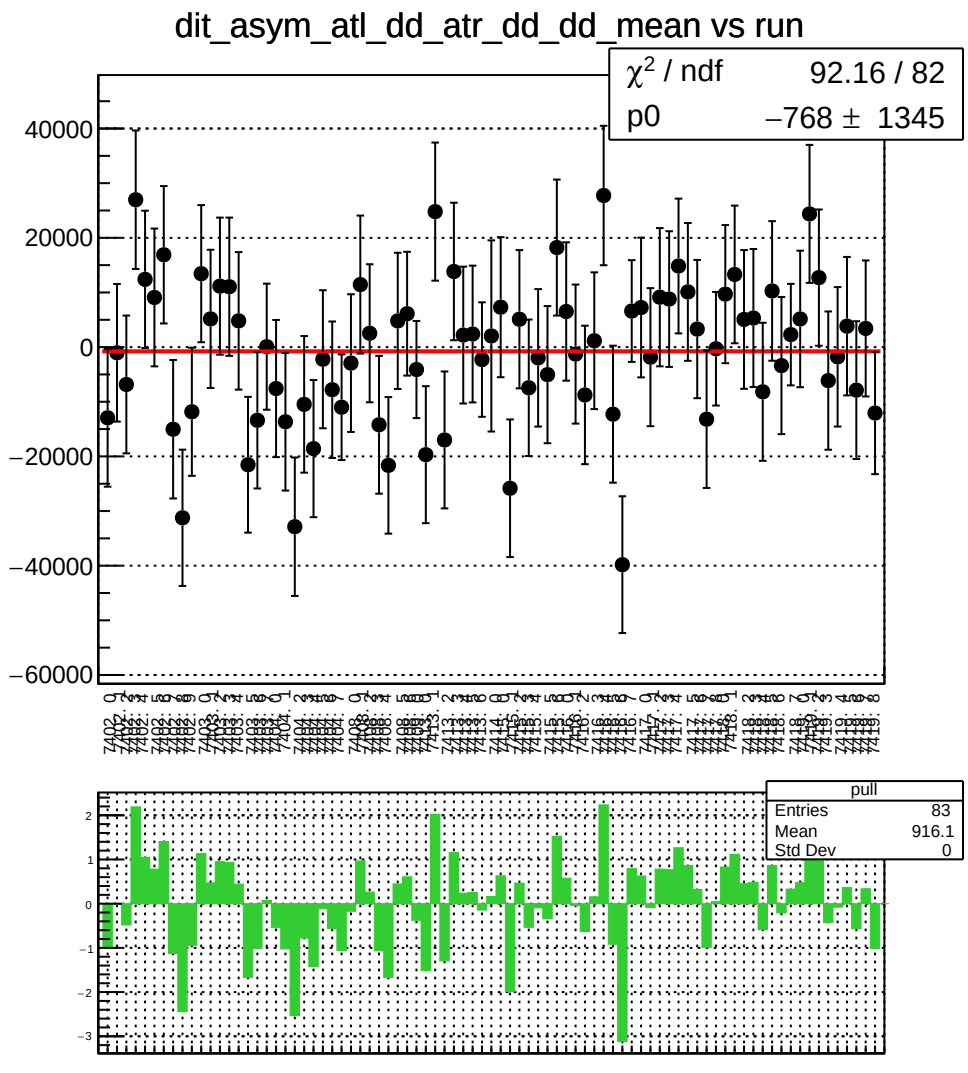

pull1D
Entries 83
Mean 0.002121
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

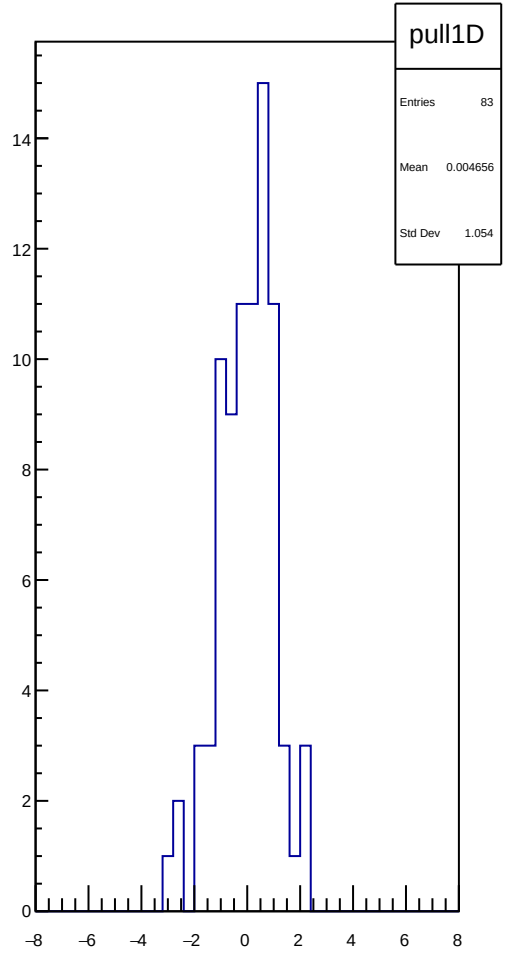

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 70.18 / 82
p0 1171 ± 0.9323
1200
1190
1180
1170
1160
1150


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.15 / 82
p0 307.2 ± 532.9
pull
Entries 83
Mean 97.71
Std Dev 14.08

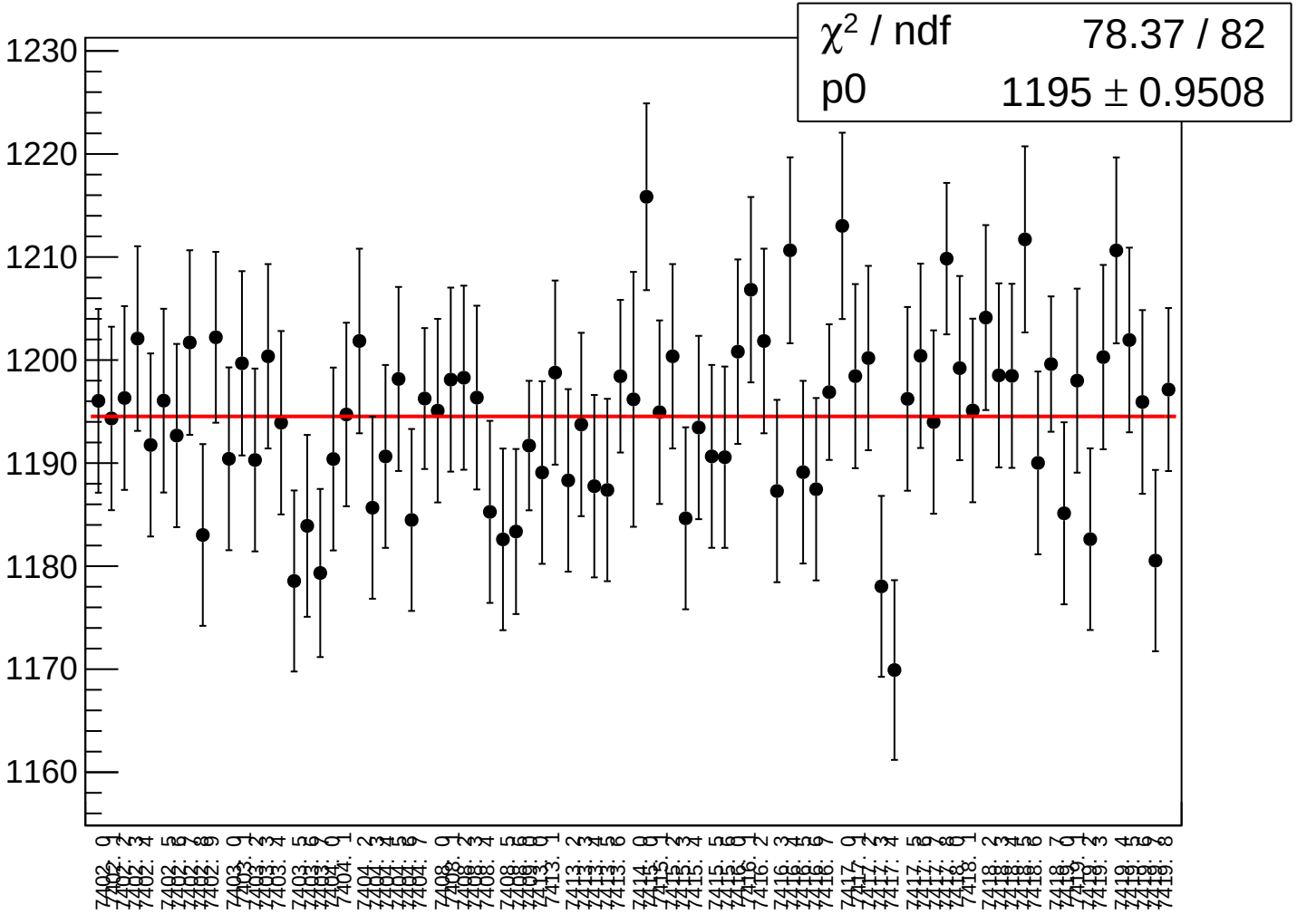

pull1D
Entries 83
Mean 0.01869
Std Dev 0.906

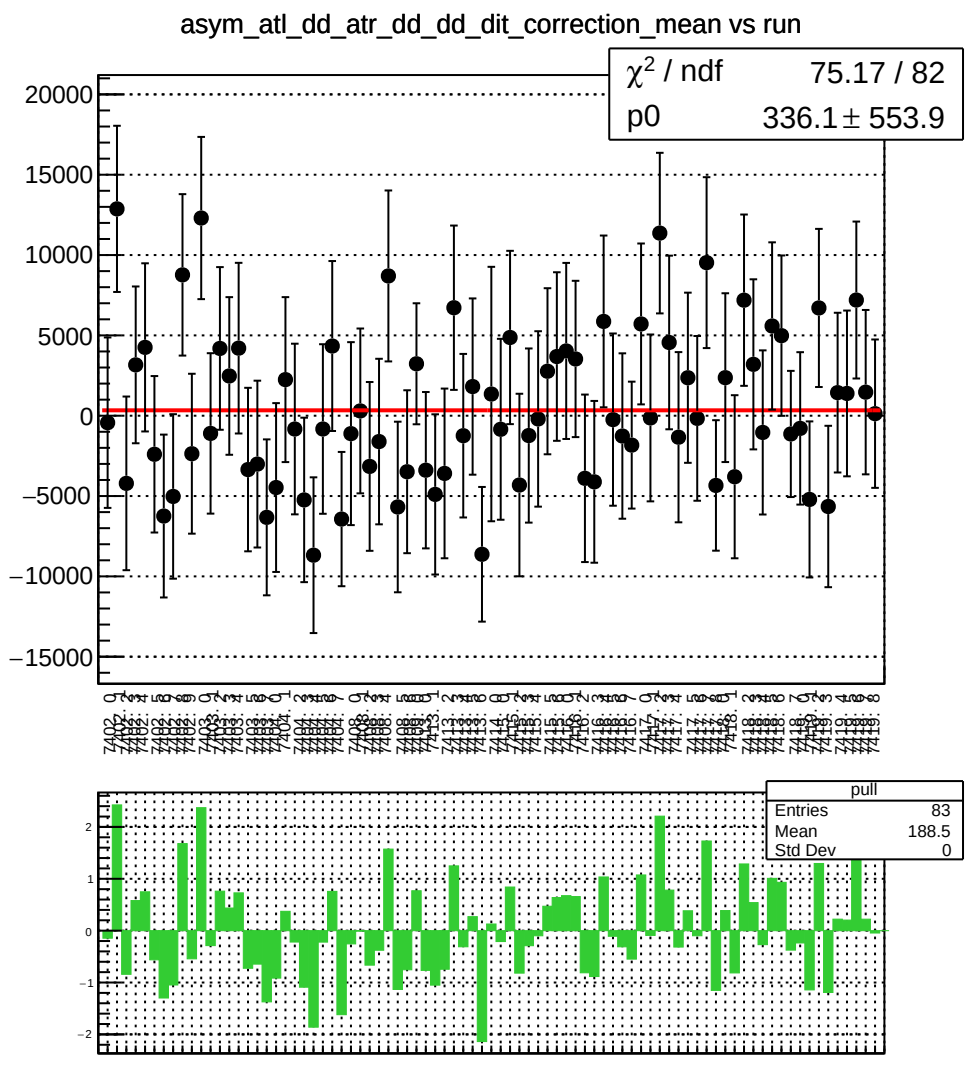

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3767 / 82
p0 472.8 ± 0.3768
540
520
500
480
460
440
420

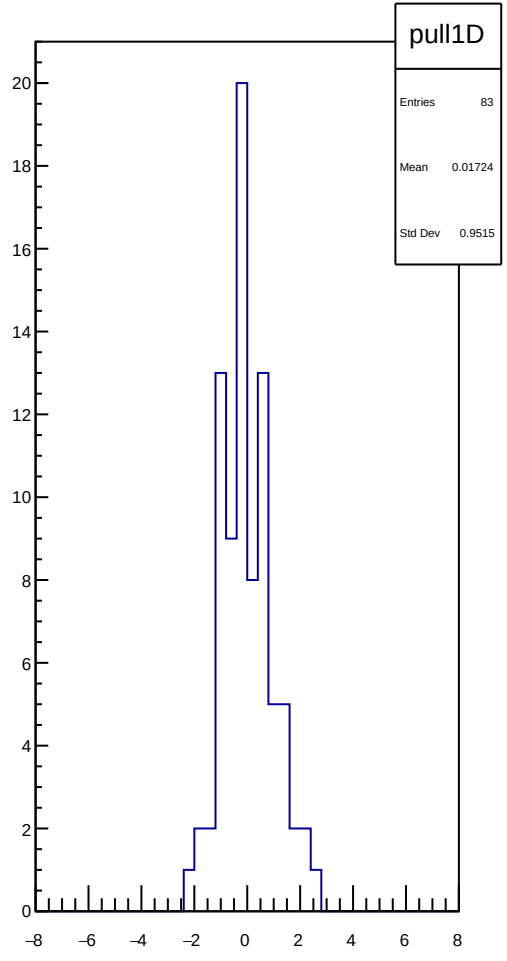

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 92.16 / 82
p0 −768 ± 1345
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 916.1
Std Dev 0
2
1
0
−1
−2
−3

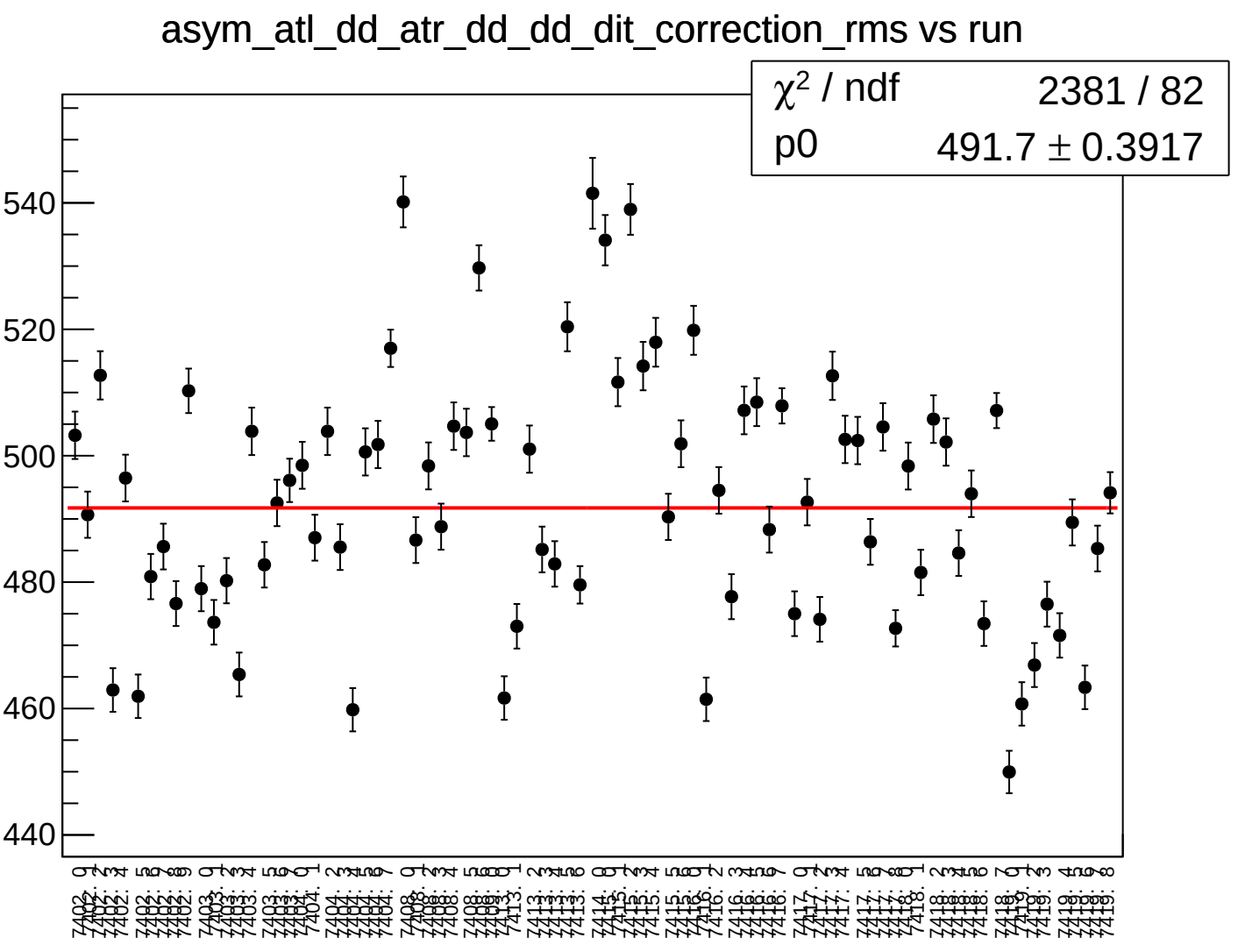

pull1D
Entries 83
Mean 0.004656
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

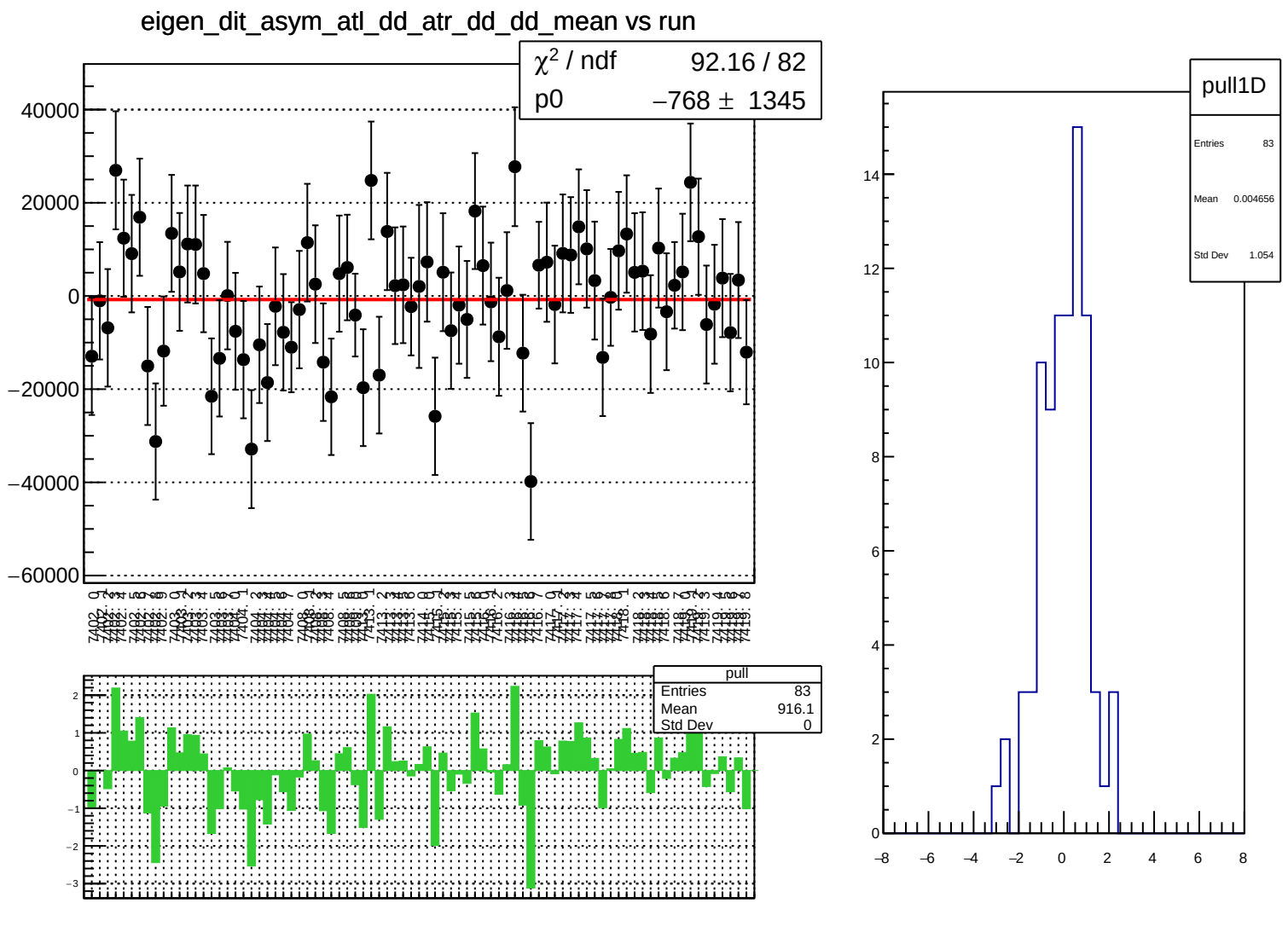
dit_asym_atl_dd_atr_dd_dd_rms vs run

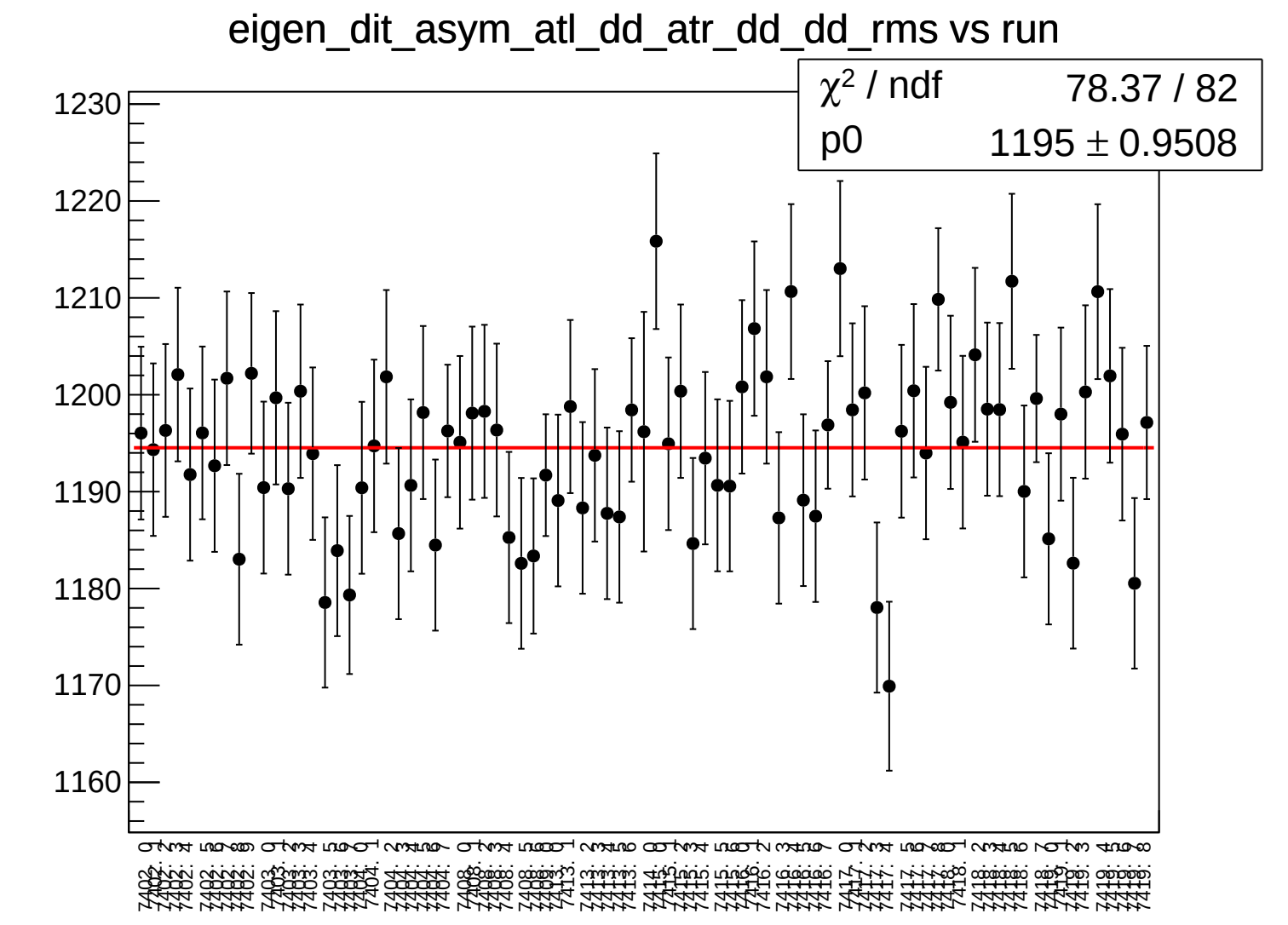


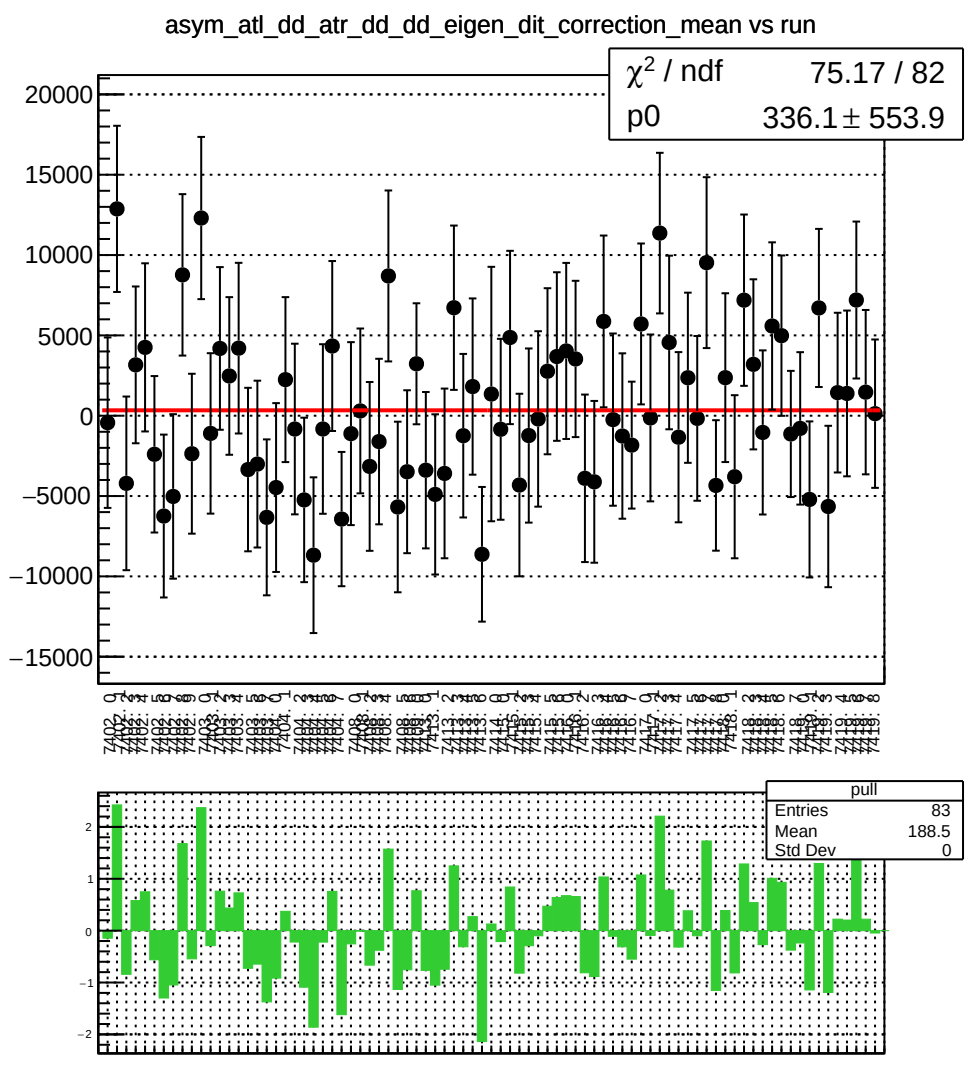

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 75.17 / 82
p0 336.1 ± 553.9
pull
Entries 83
Mean 188.5
Std Dev 0

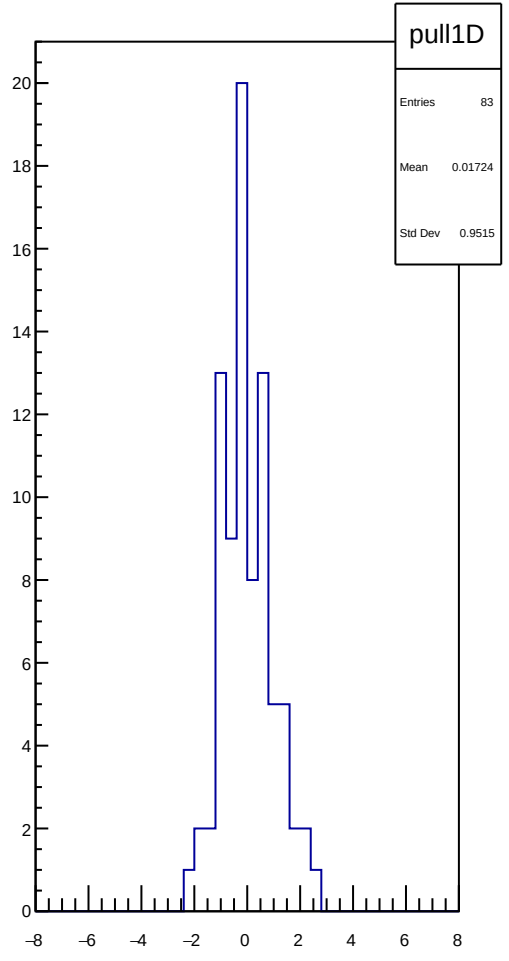

pull1D
Entries 83
Mean 0.01724
Std Dev 0.9515

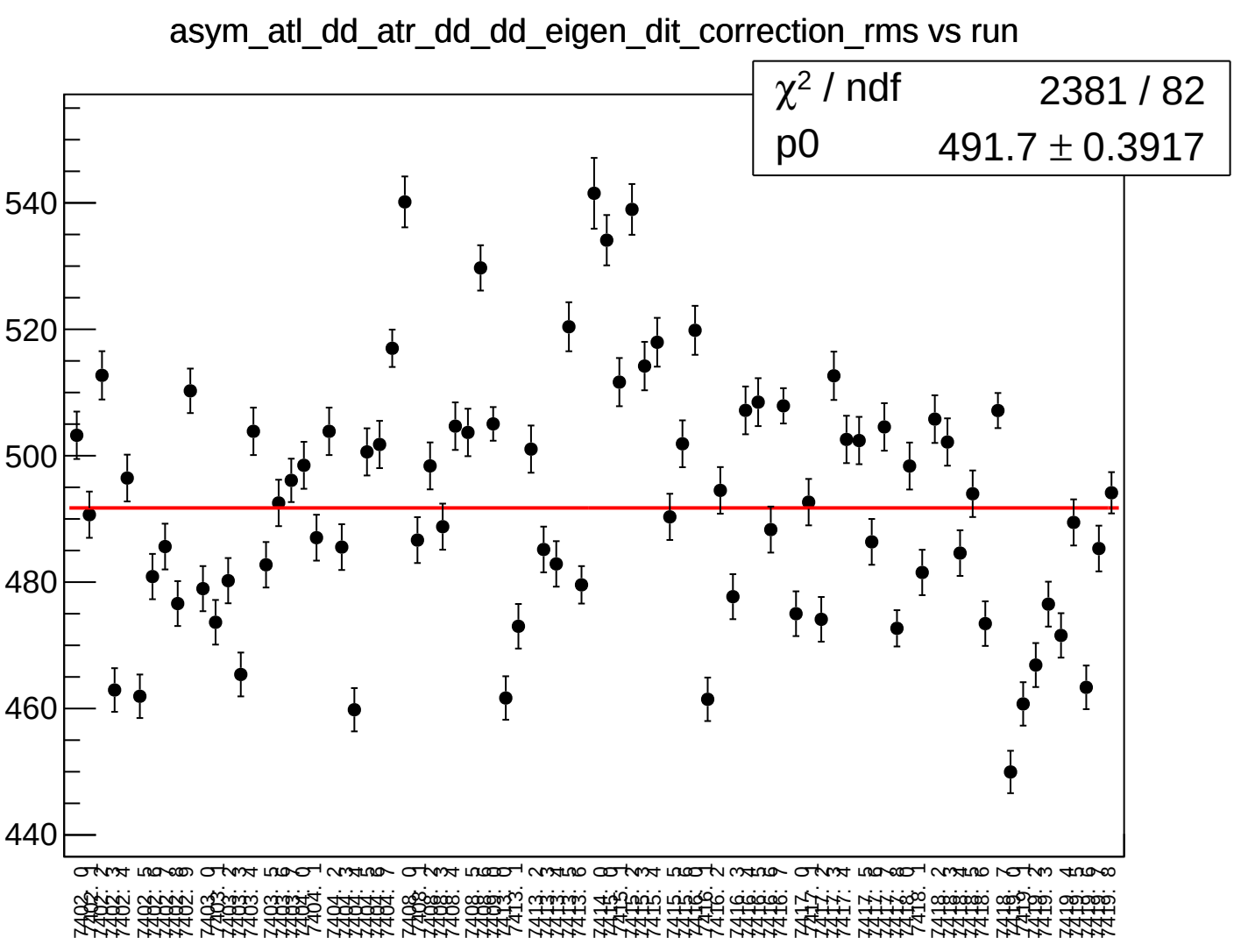

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 2381 / 82
p0 491.7 ± 0.3917
540
520
500
480
460
440

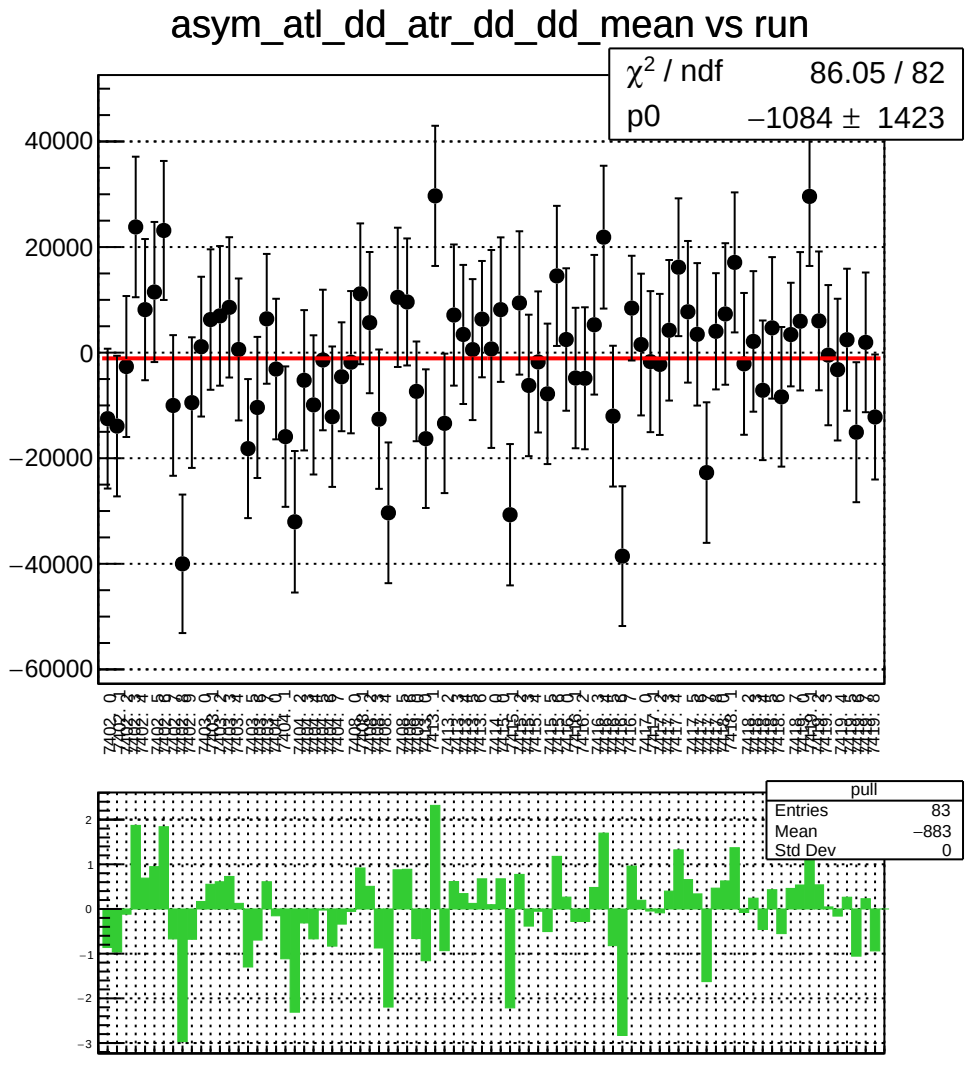

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 92.16 / 82
p0 −768 ± 1345
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 916.1
Std Dev 0
pull1D
Entries 83
Mean 0.004656
Std Dev 1.054

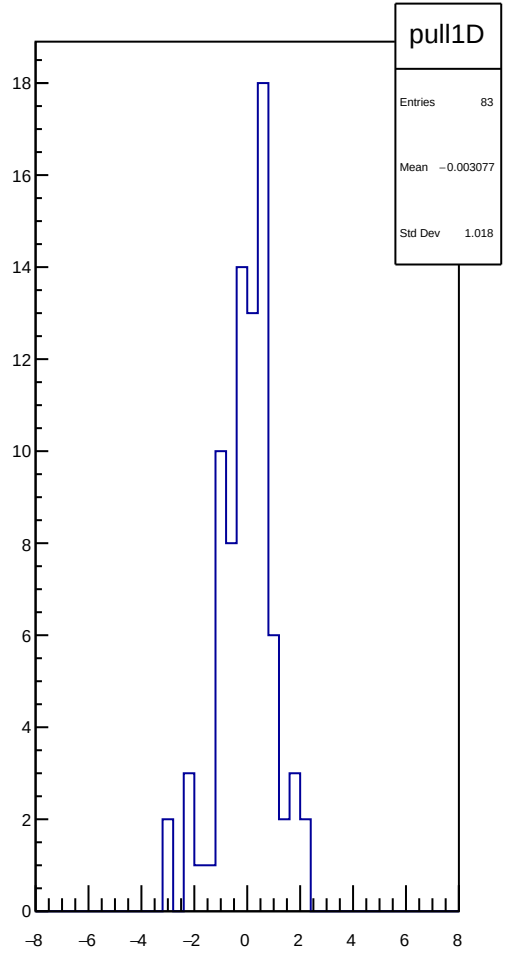

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 78.37 / 82
p0 1195 ± 0.9508
1230
1220
1210
1200
1190
1180
1170
1160

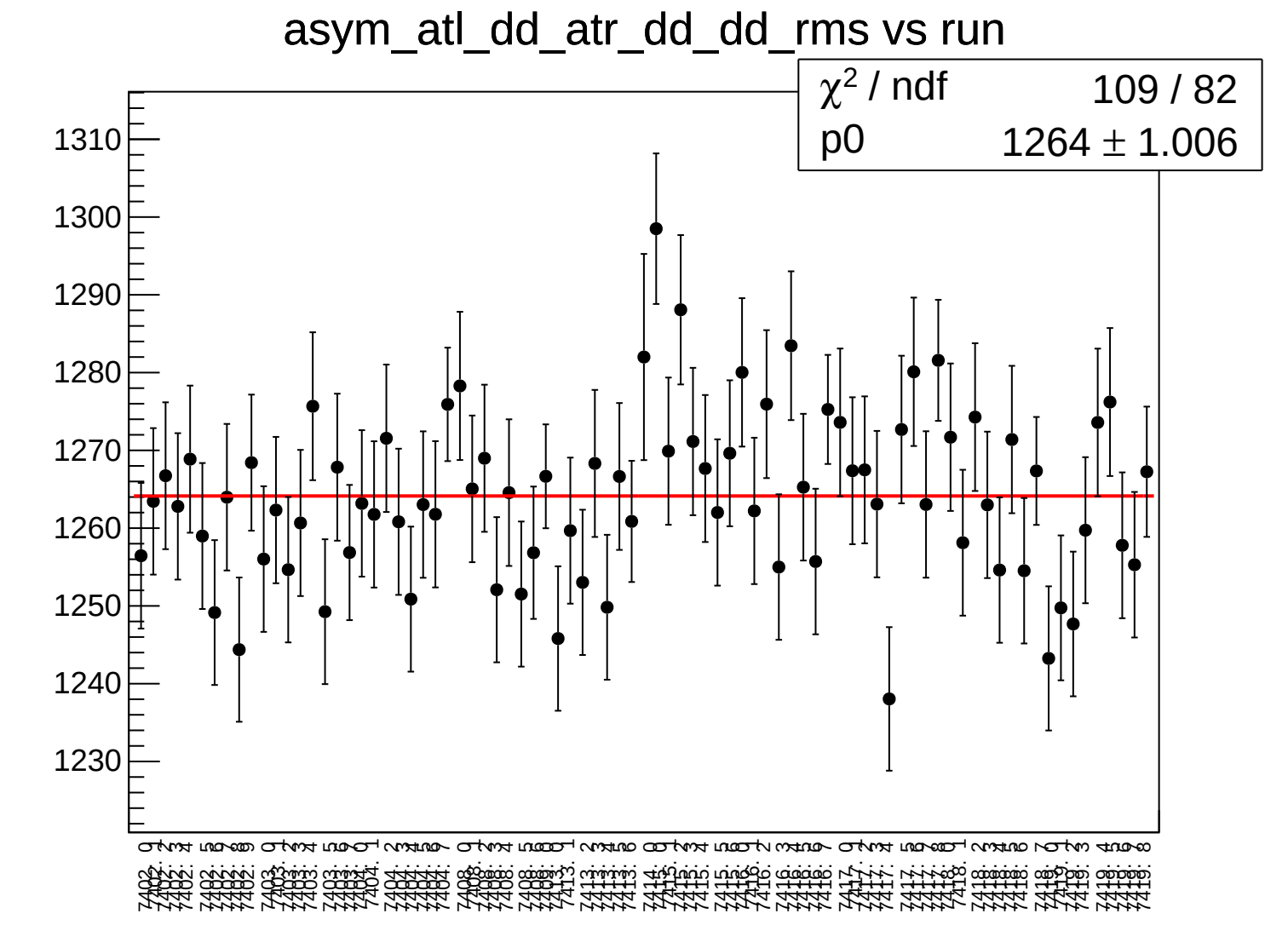

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.17 / 82
p0 336.1 ± 553.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 188.5
Std Dev 0
2
1
0
−1
−2

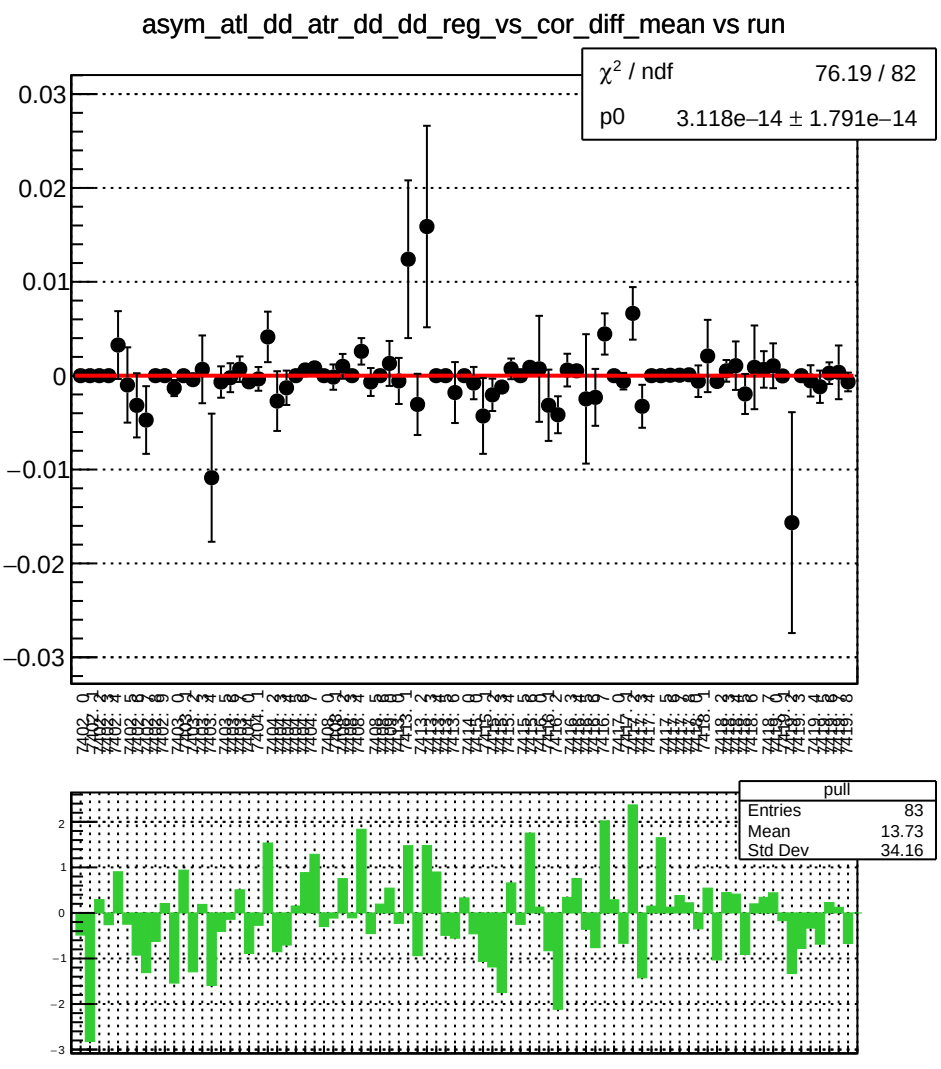

pull1D
Entries 83
Mean 0.01724
Std Dev 0.9515
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

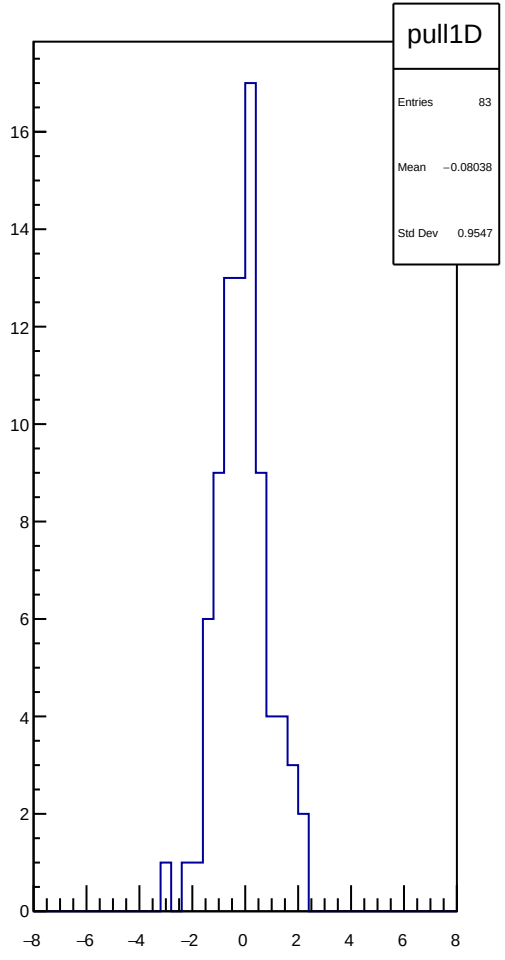

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2381 / 82
p0 491.7 ± 0.3917
540
520
500
480
460
440

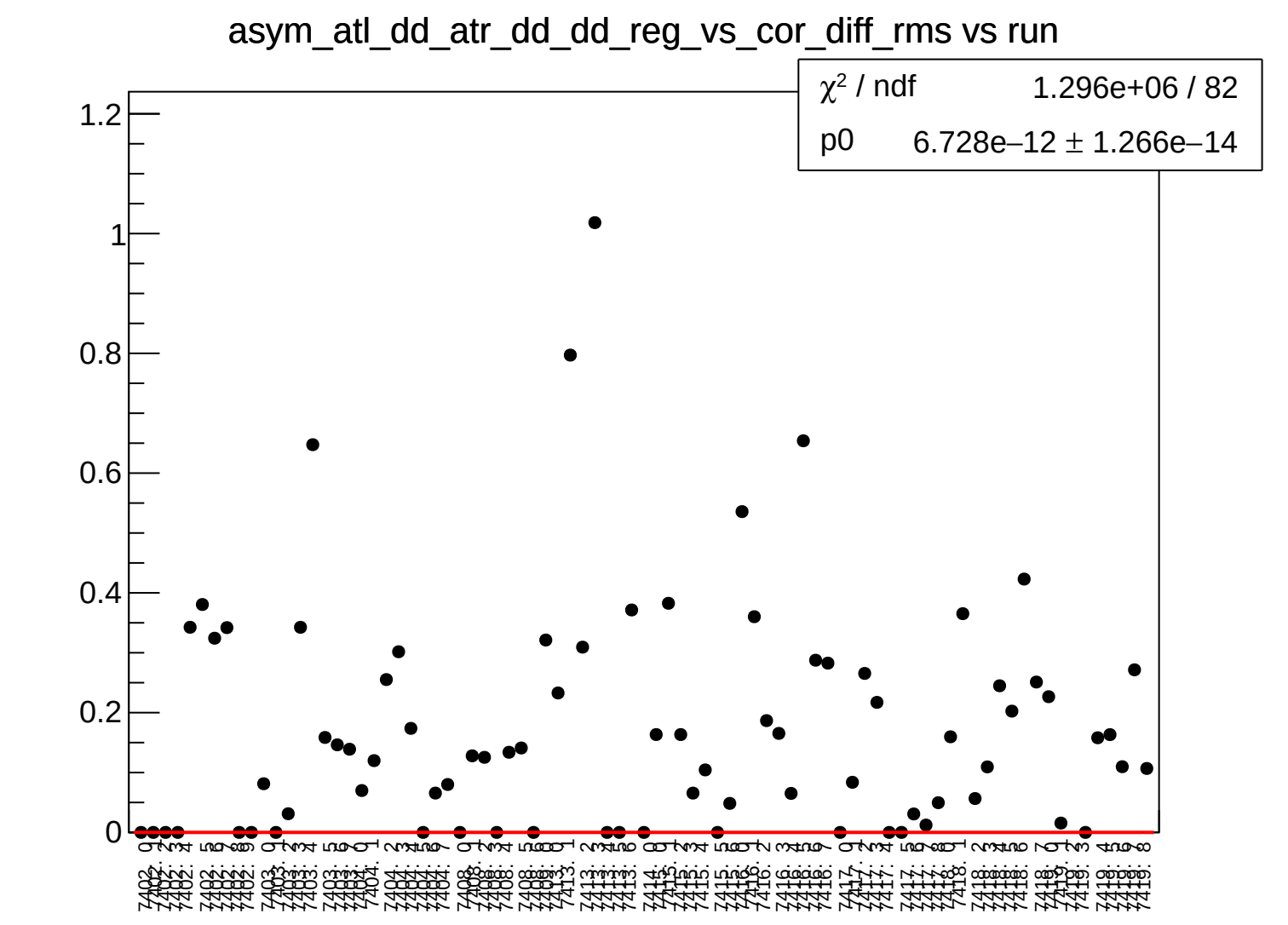

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 86.05 / 82
p0 −1084 ± 1423
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −883
Std Dev 0
2
1
0
−1
−2
−3

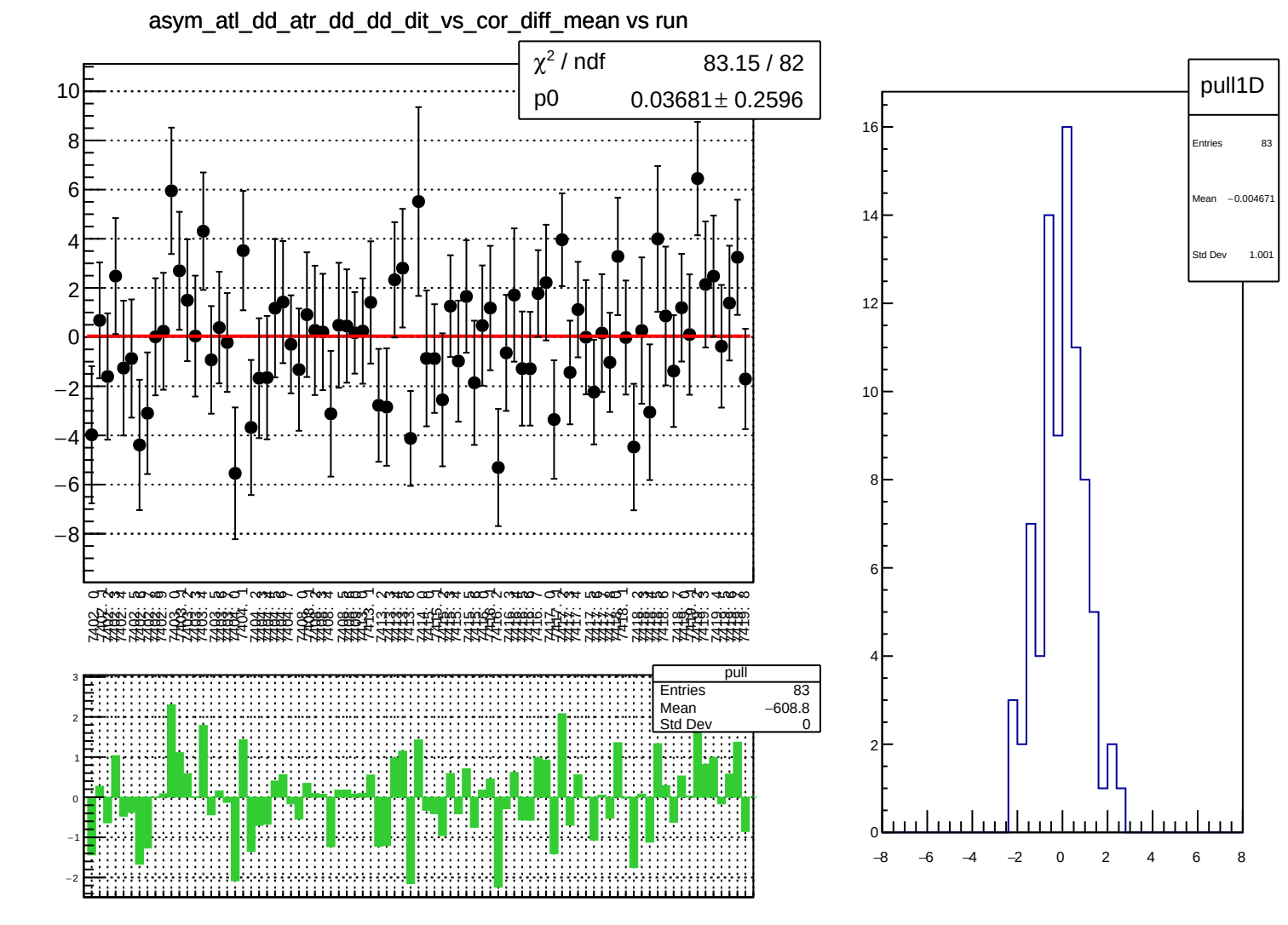

pull1D
Entries 83
Mean −0.003077
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

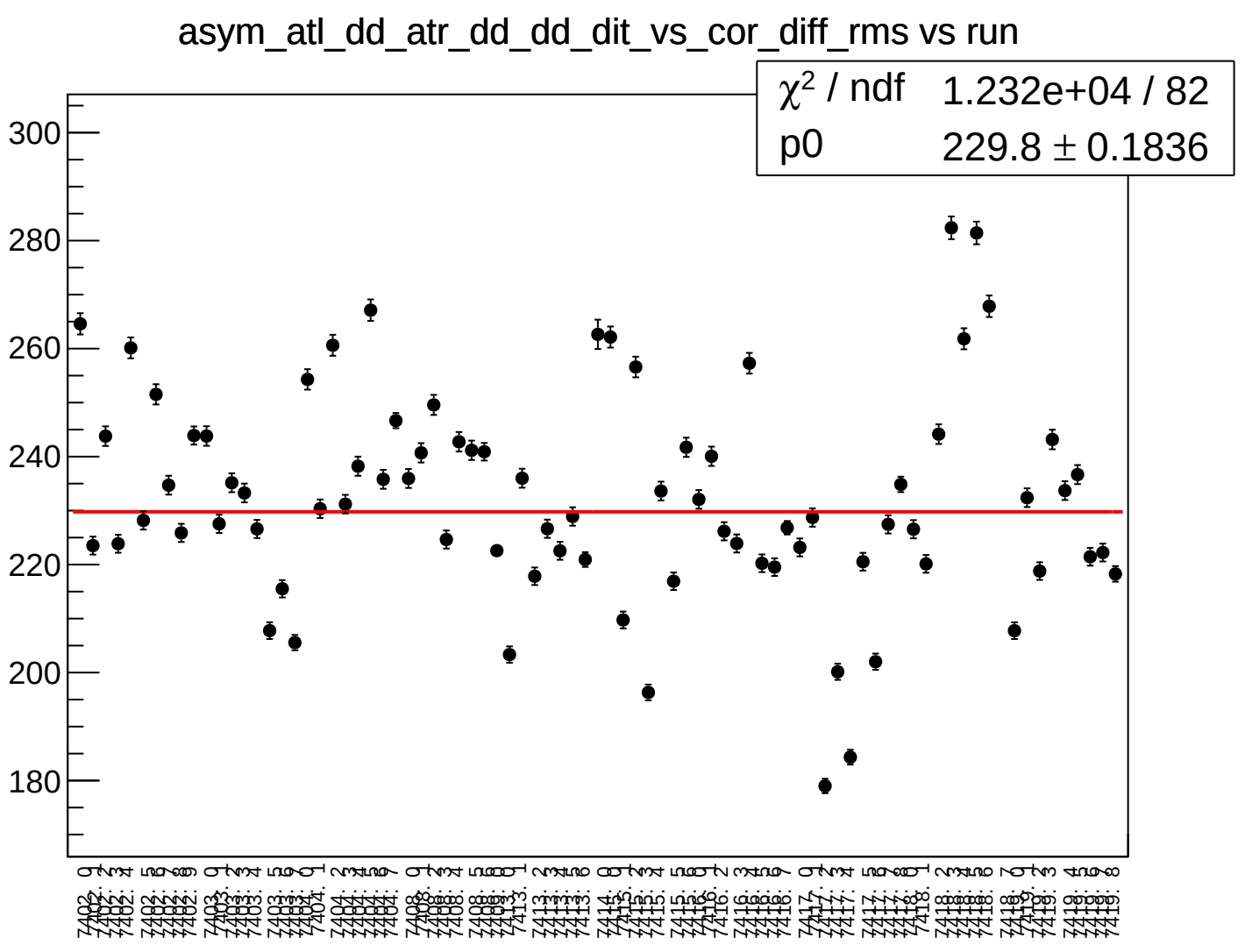

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 109 / 82
p0 1264 ± 1.006
1310
1300
1290
1280
1270
1260
1250
1240
1230

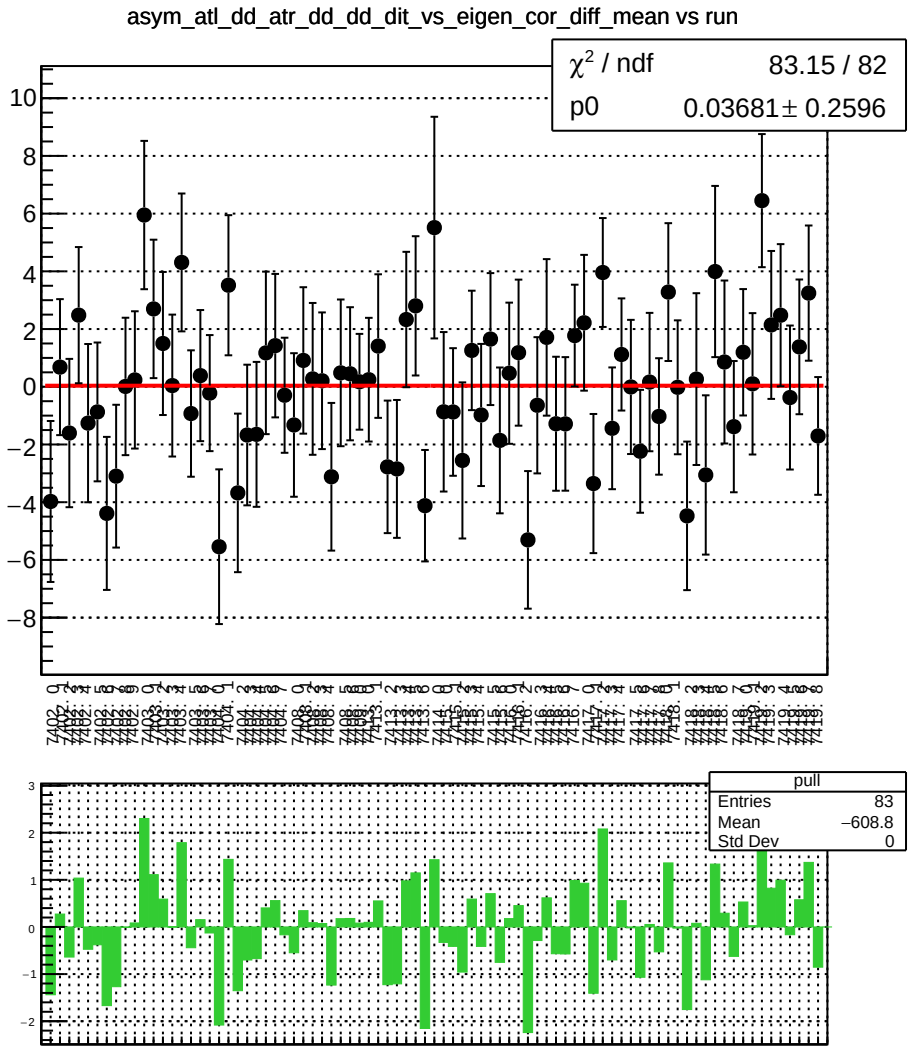

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 76.19 / 82
p0 3.118e−14 ± 1.791e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean 13.73
Std Dev 34.16
2
1
0
−1
−2
−3

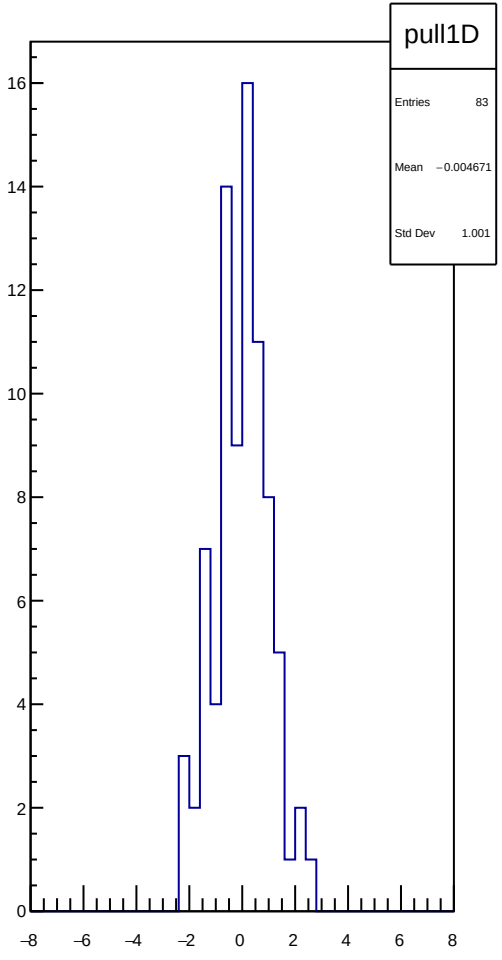

pull1D
Entries 83
Mean −0.08038
Std Dev 0.9547
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

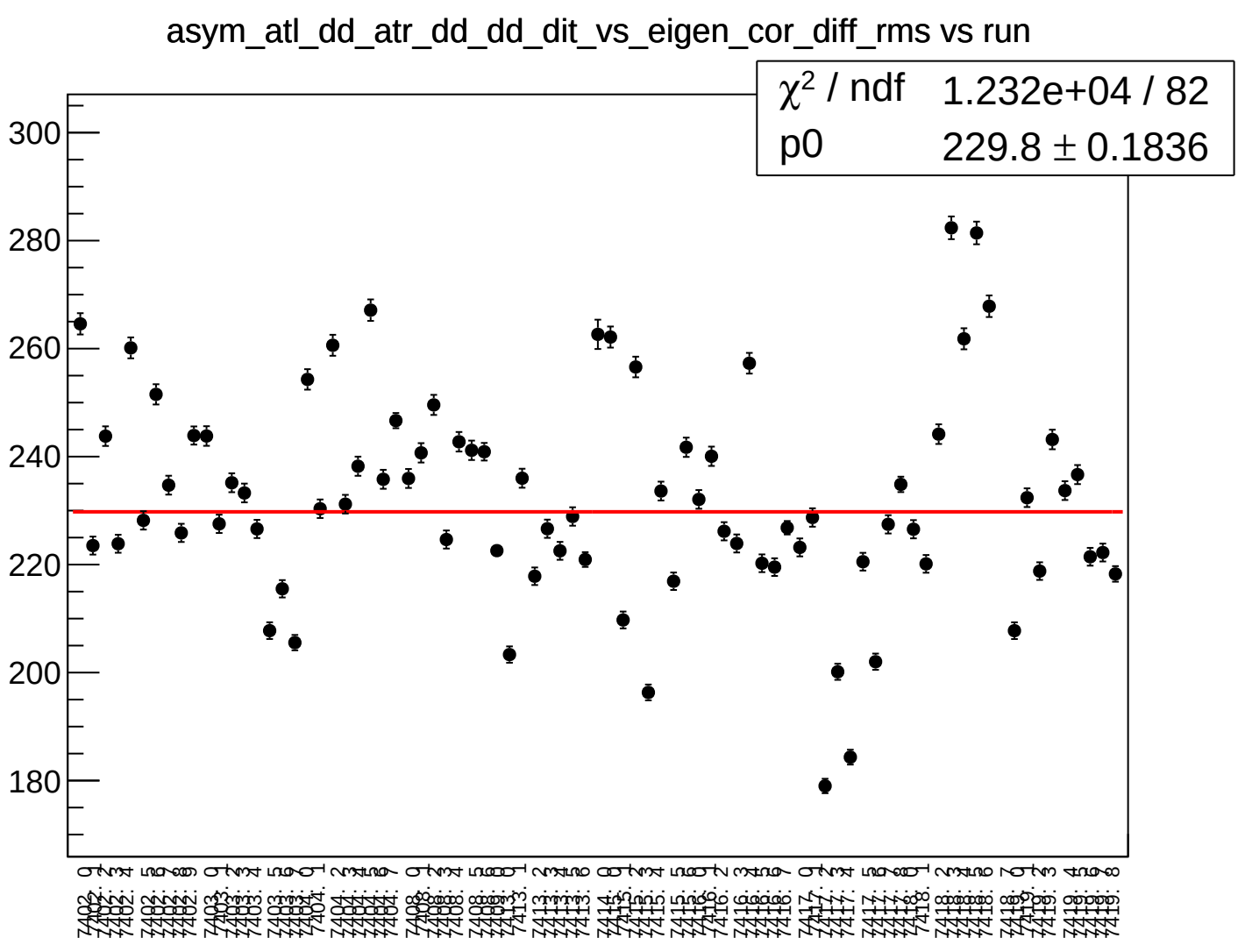

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.296e+06 / 82
p0 6.728e−12 ± 1.266e−14
1.2
1
0.8
0.6
0.4
0.2
0

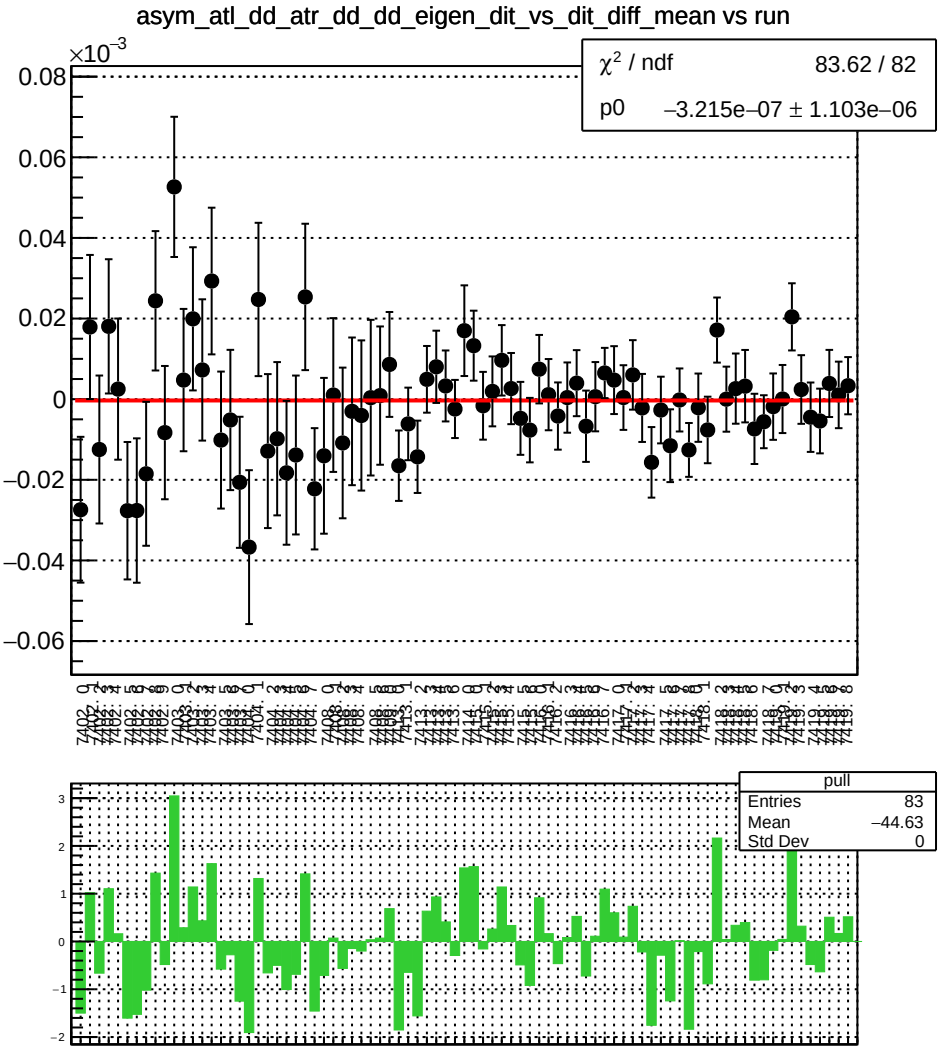

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0
pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

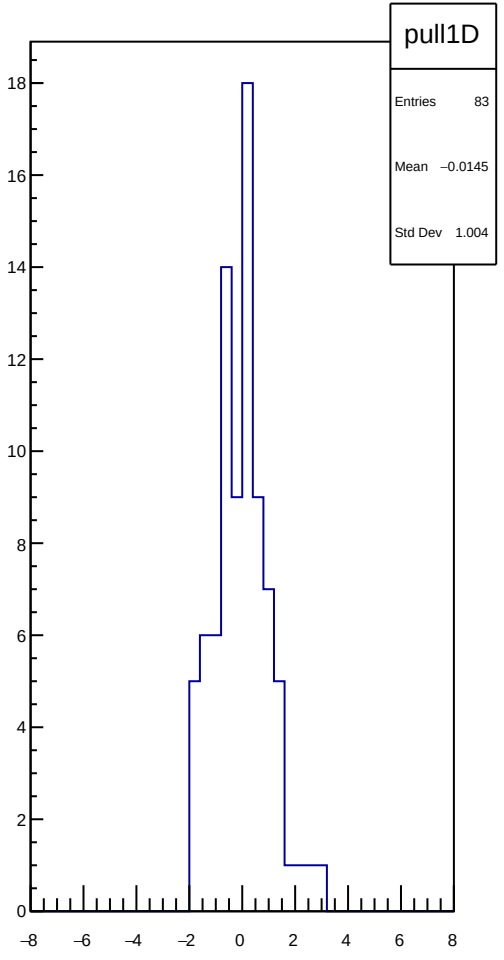

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

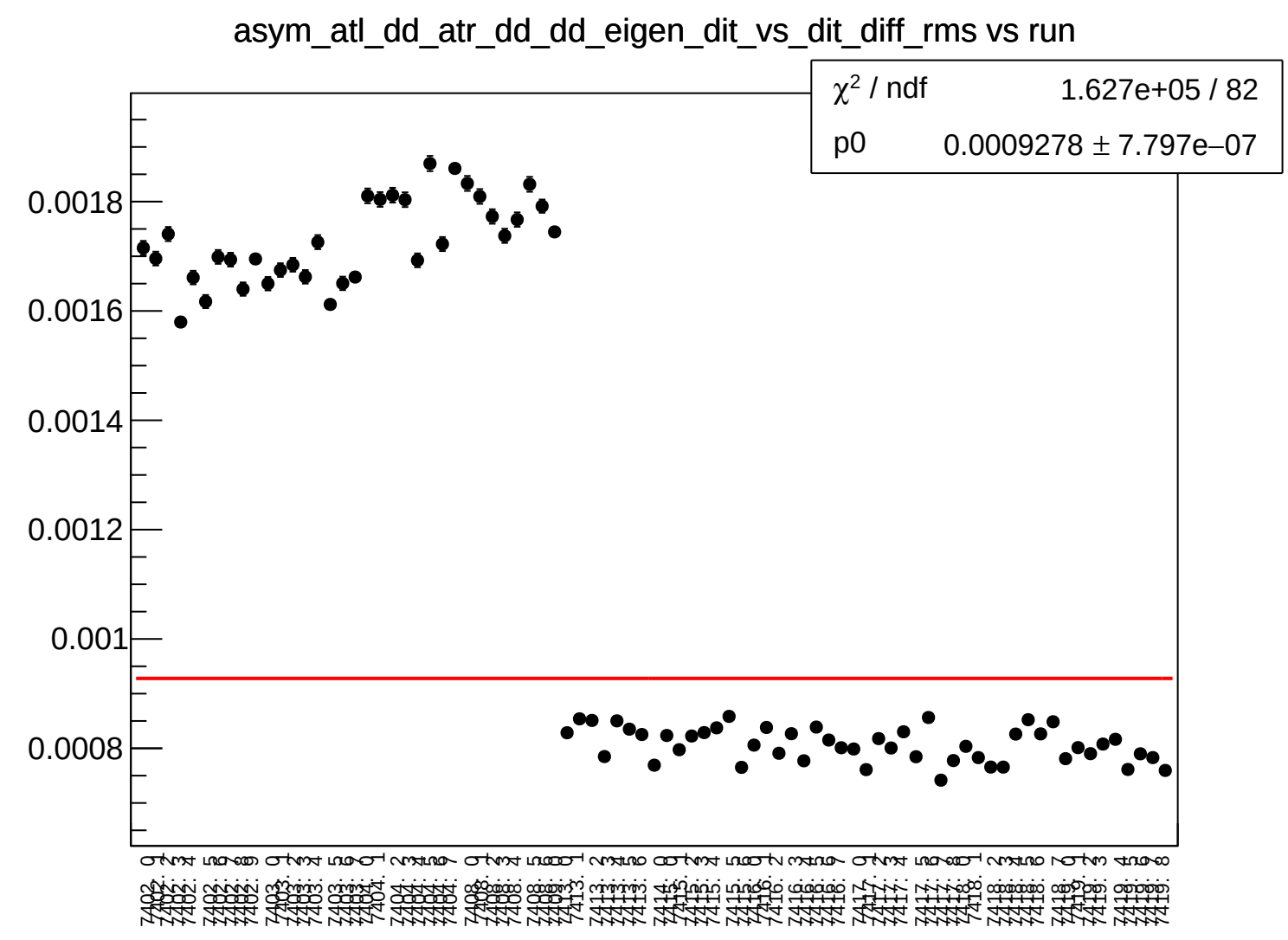

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0

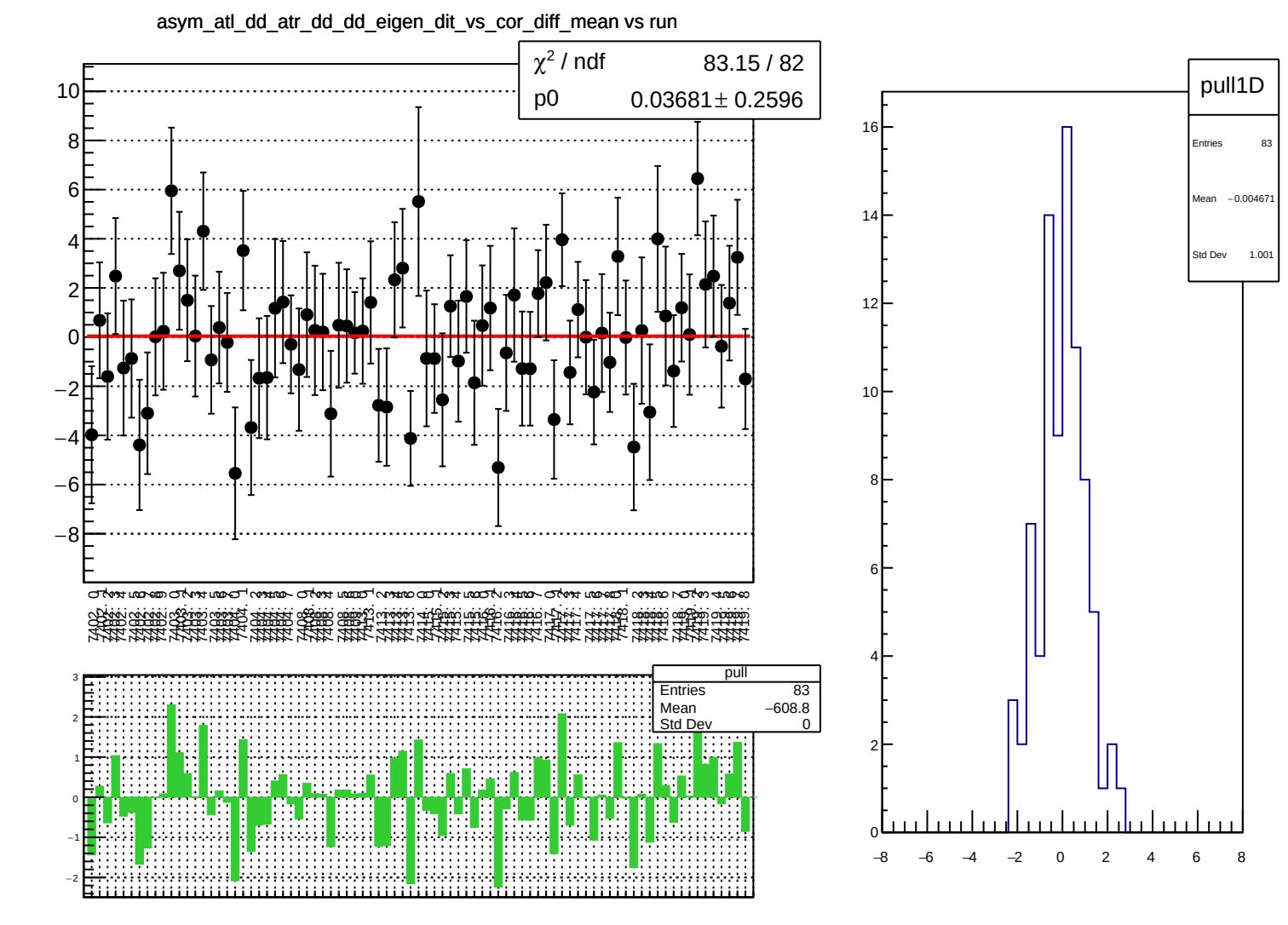

pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

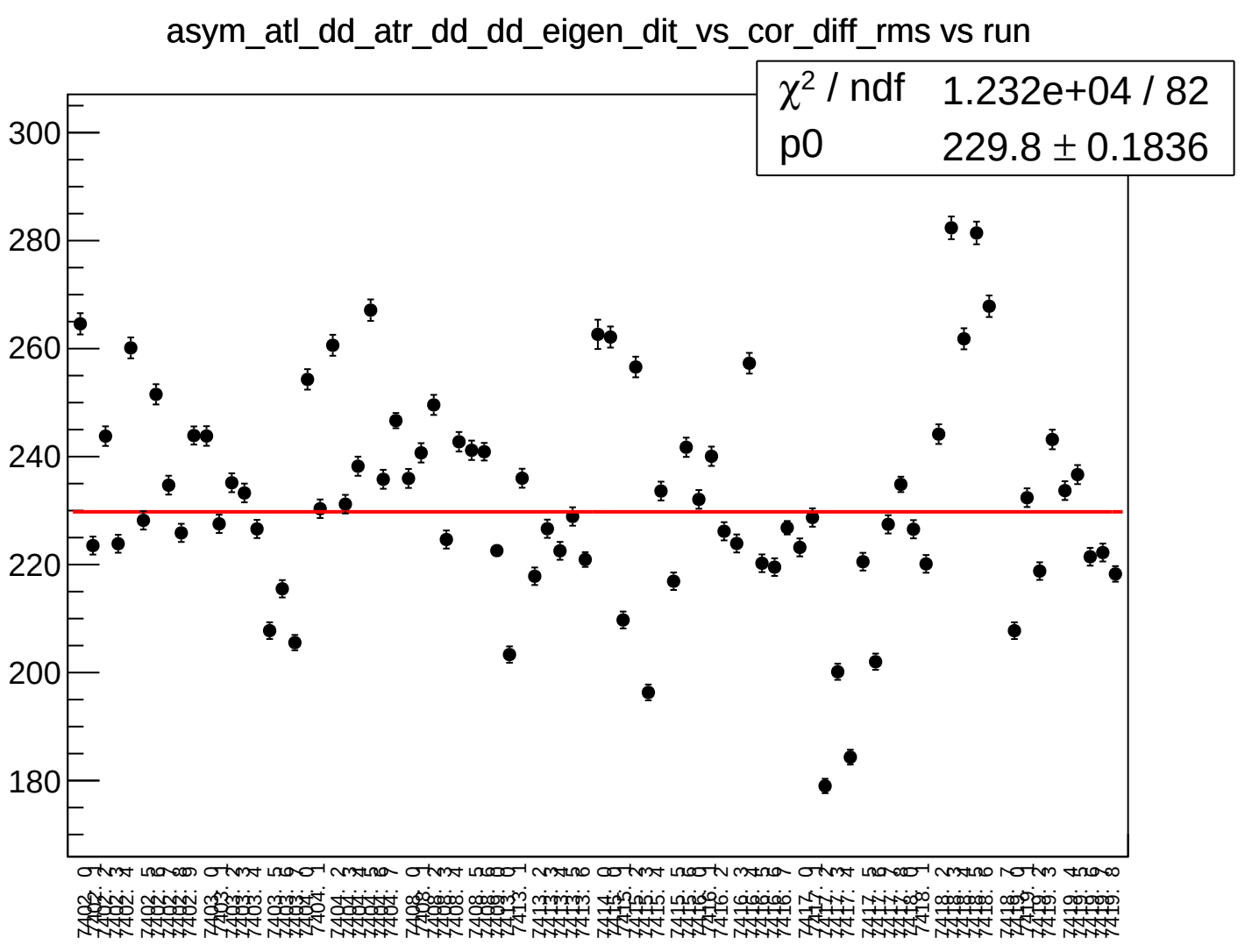

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

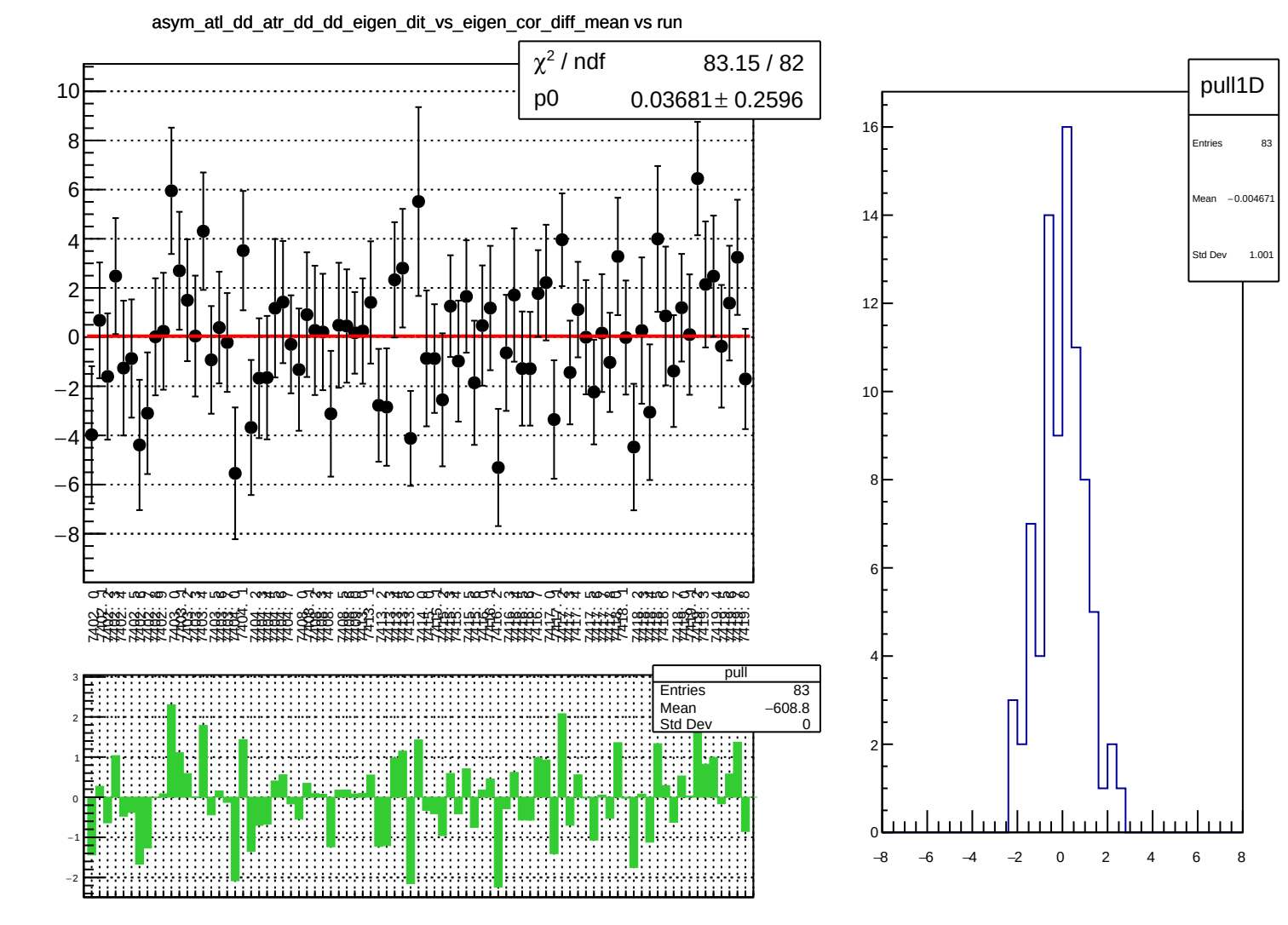

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.62 / 82
p0 −3.215e−07 ± 1.103e−06
pull
Entries 83
Mean −44.63
Std Dev 0

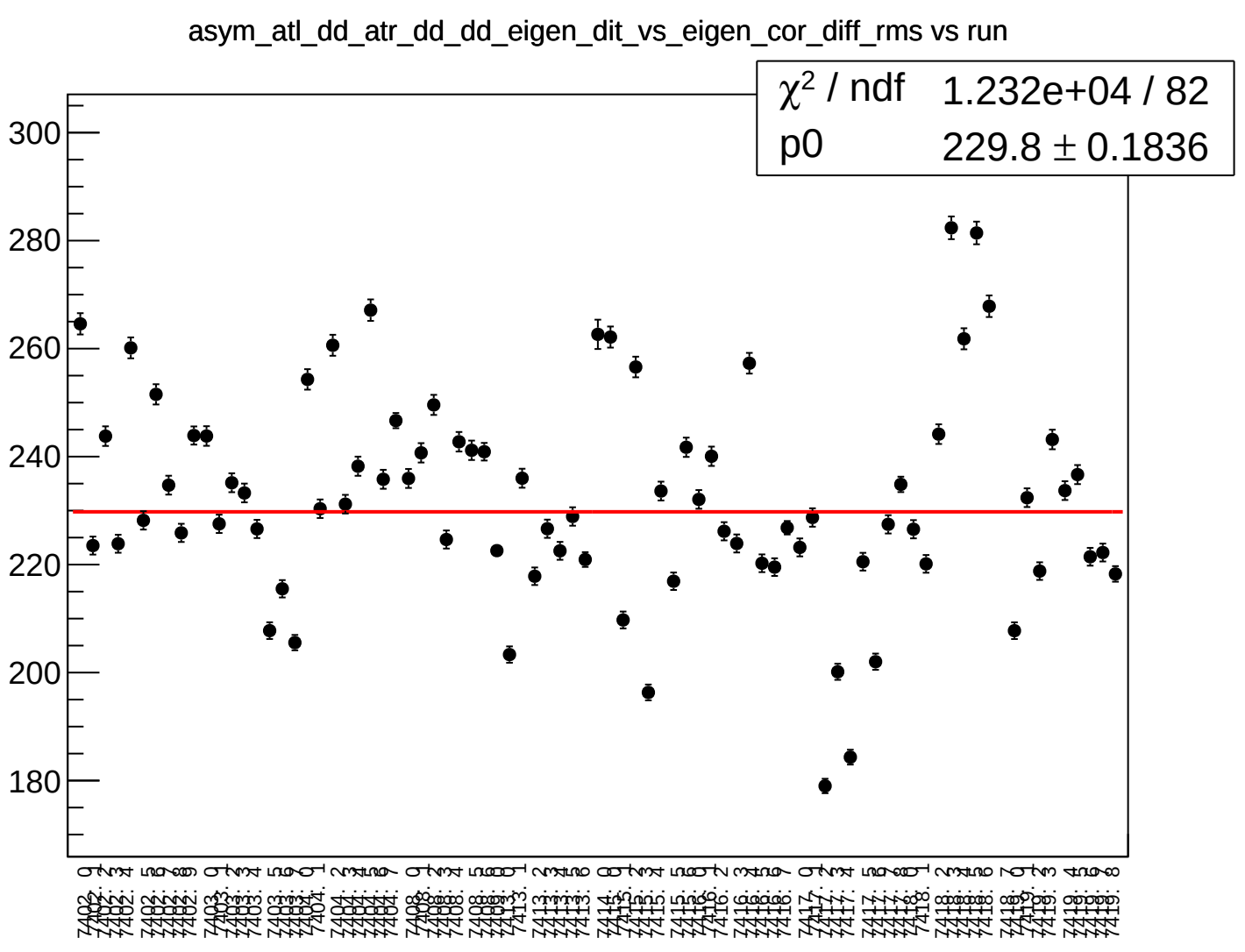

pull1D
Entries 83
Mean −0.0145
Std Dev 1.004

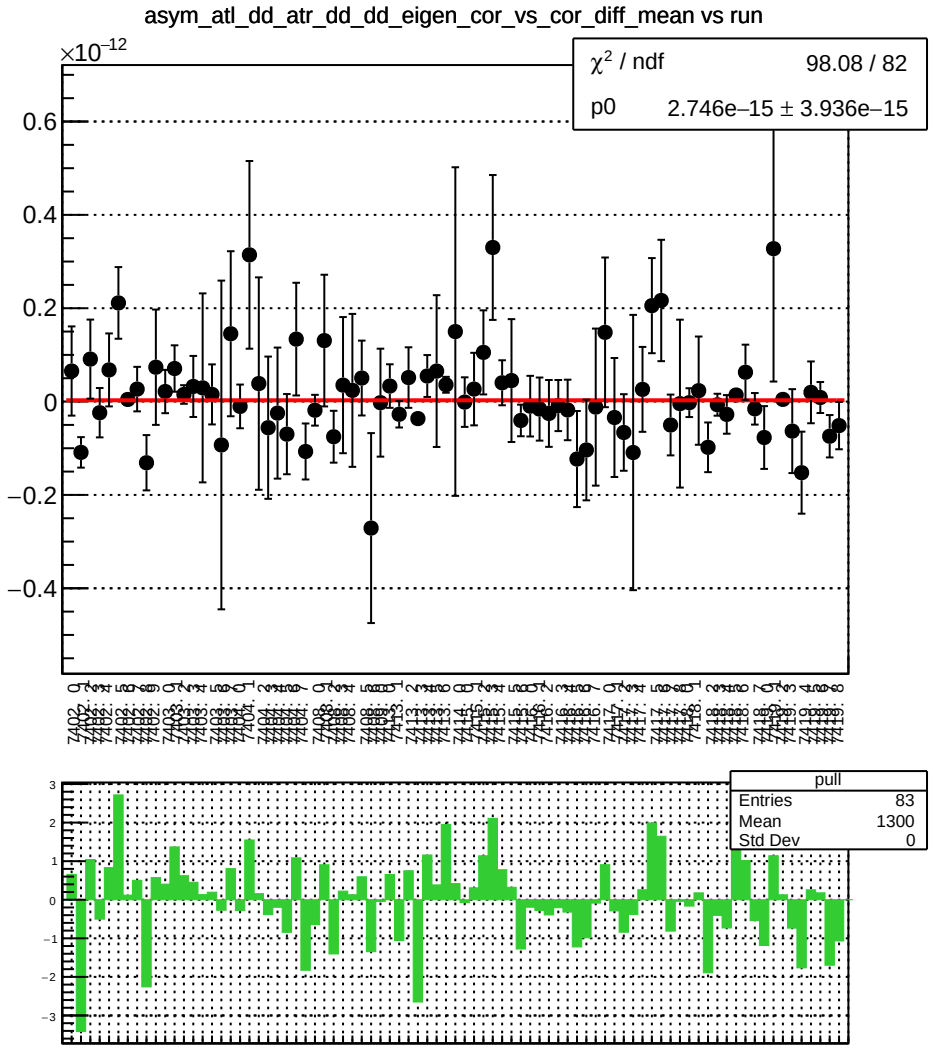

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.627e+05 / 82
p0 0.0009278 ± 7.797e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008

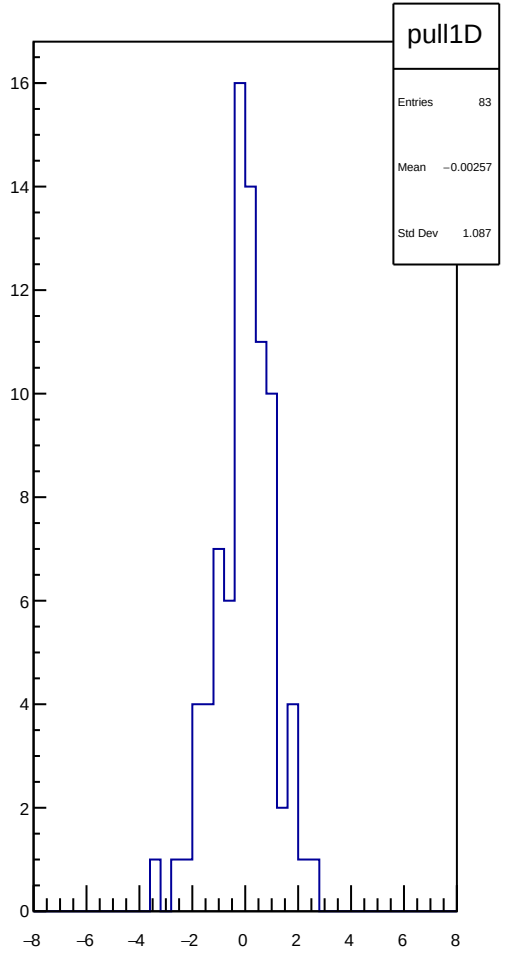

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0
pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

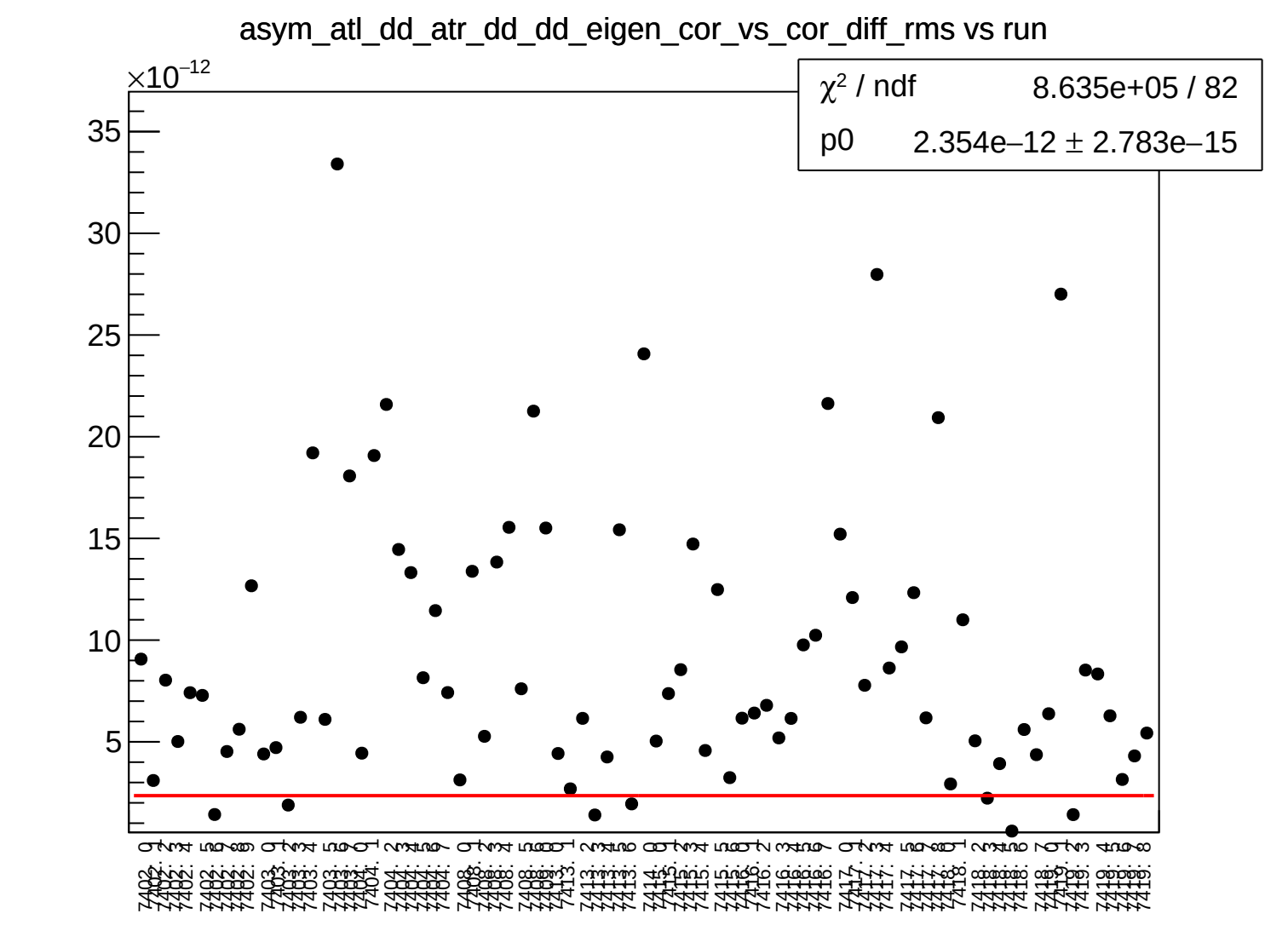

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

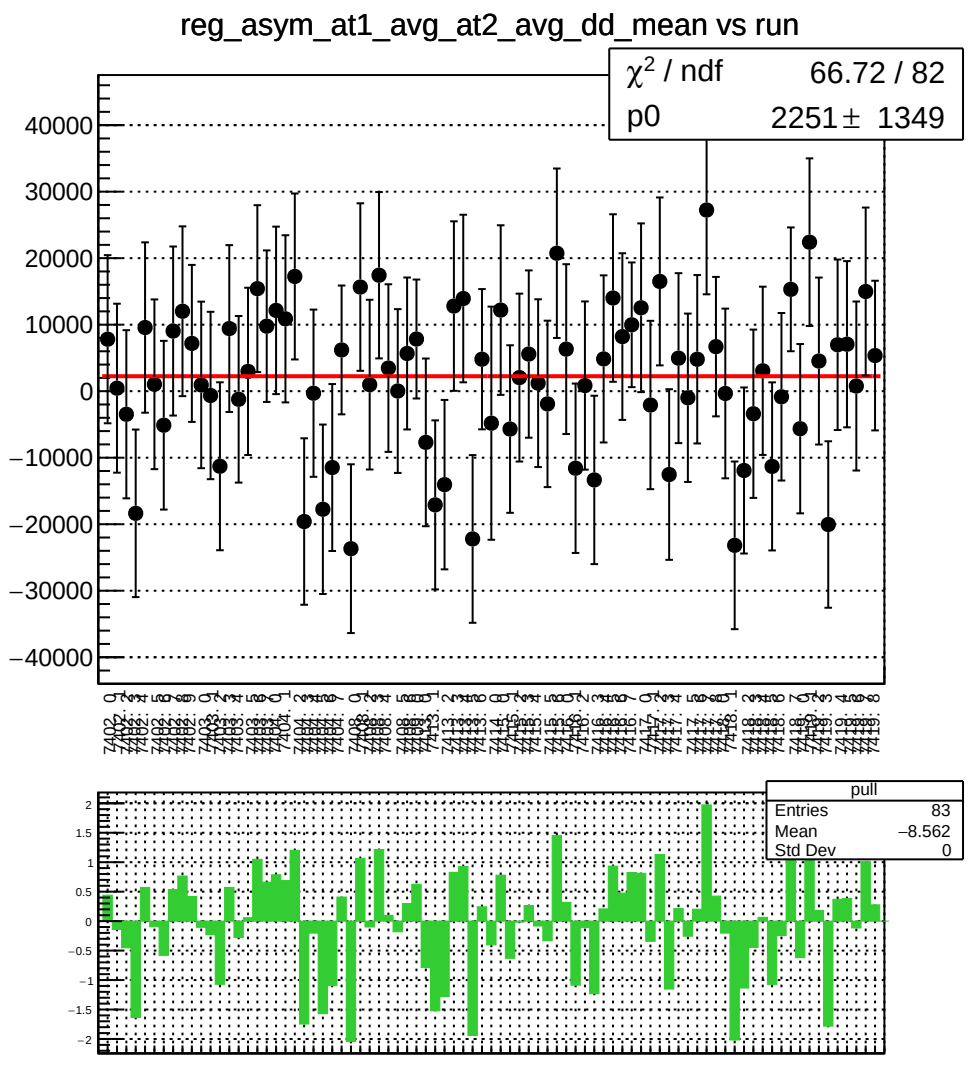

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0
pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

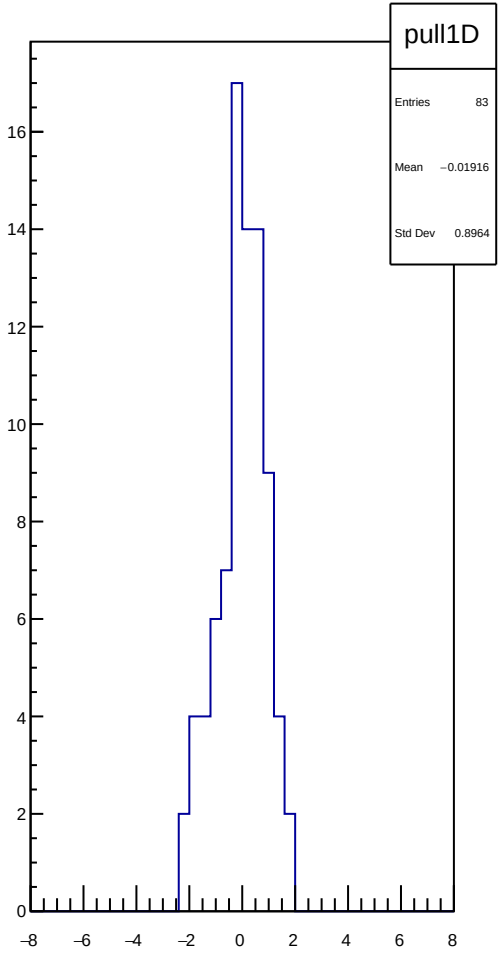

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

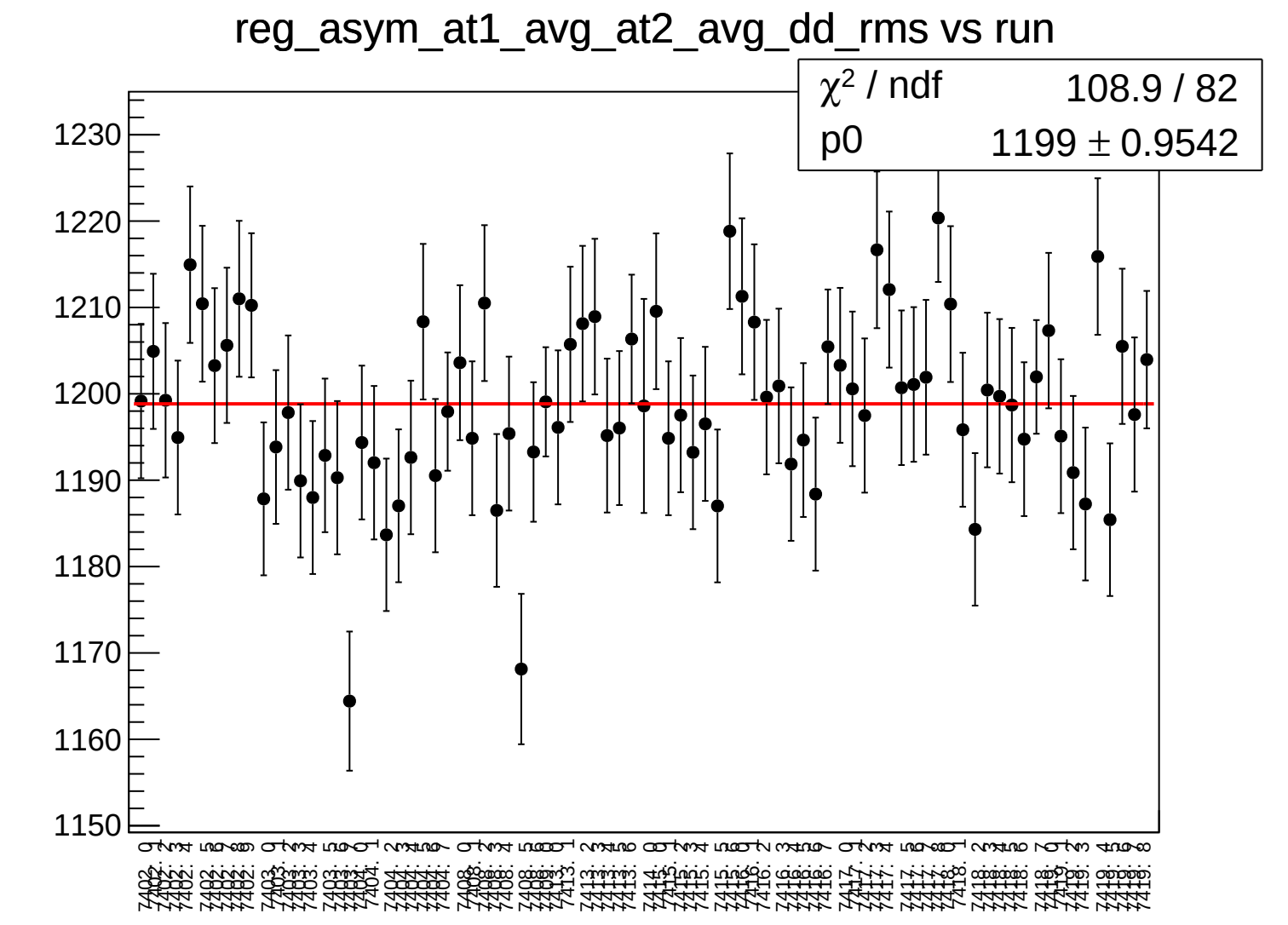

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.08 / 82
p0 2.746e−15 ± 3.936e−15
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 83
Mean 1300
Std Dev 0
3
2
1
0
−1
−2
−3

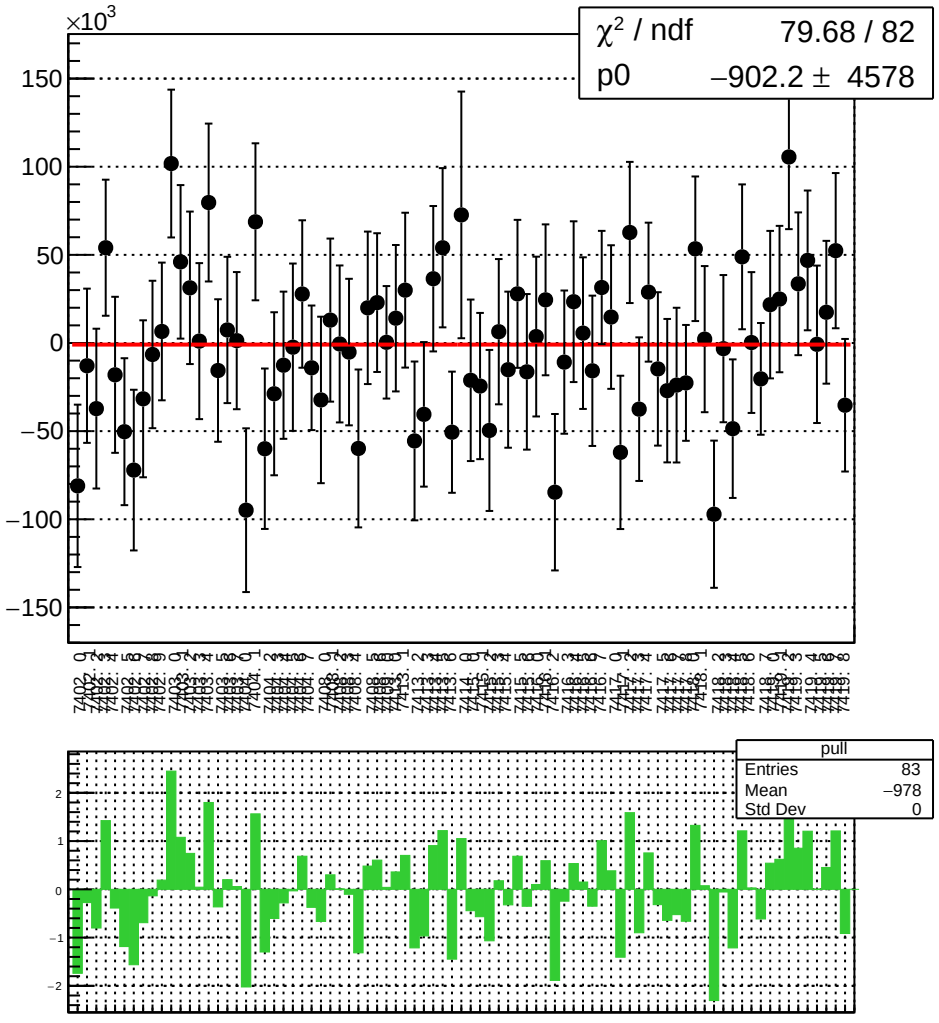

pull1D
Entries 83
Mean −0.00257
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

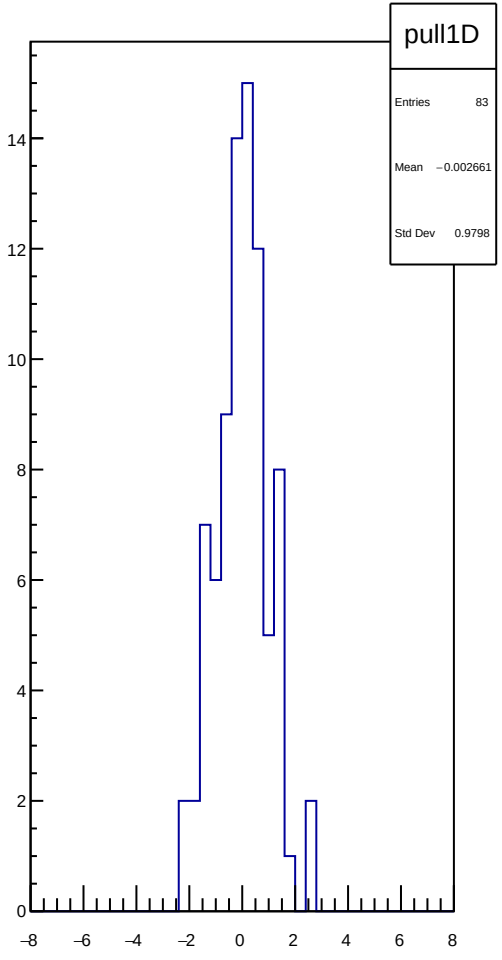

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 8.635e+05 / 82
p0 2.354e−12 ± 2.783e−15
35
30
25
20
15
10
5

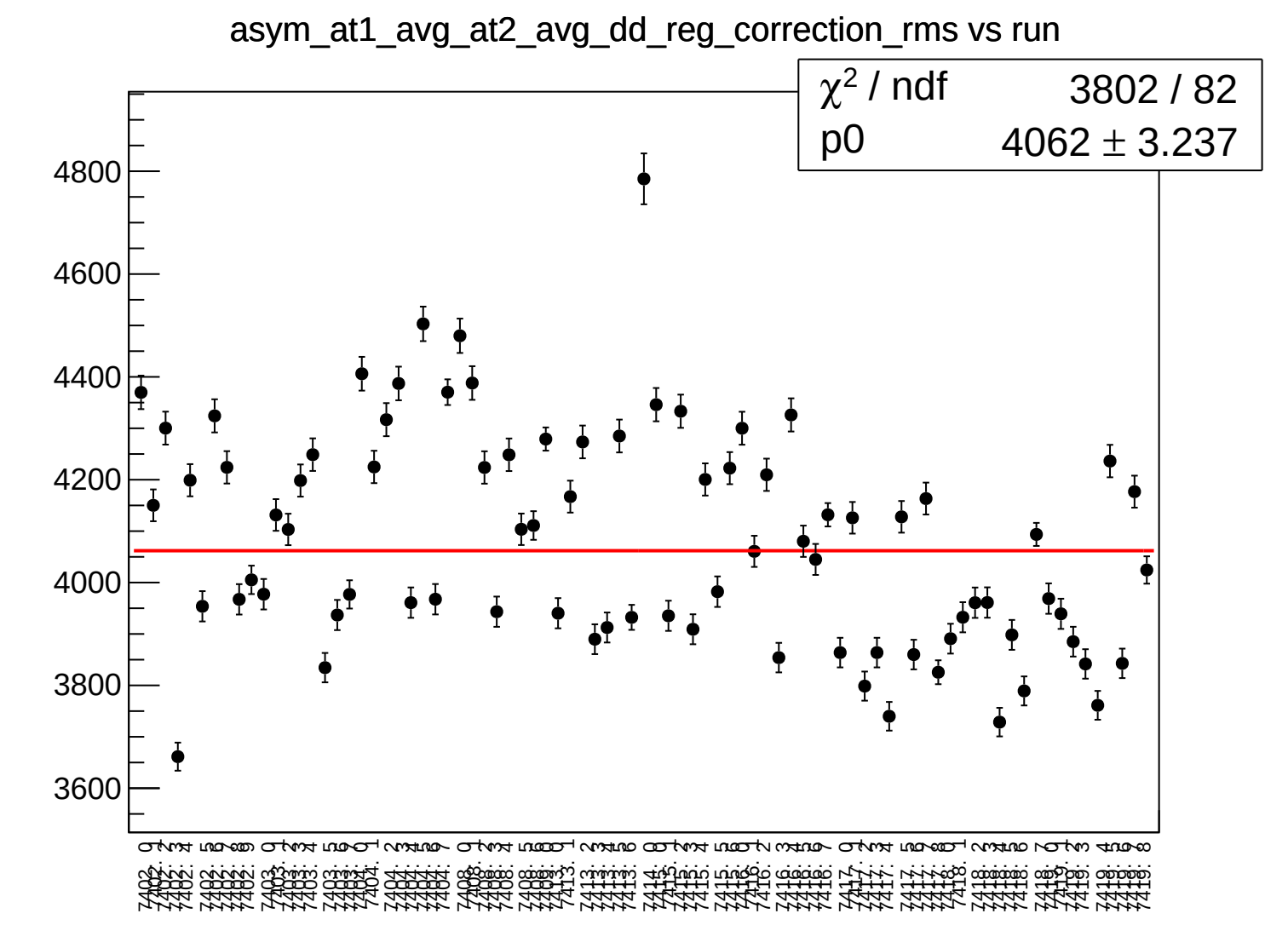

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 66.72 / 82
p0 2251 ± 1349
pull
Entries 83
Mean −8.562
Std Dev 0

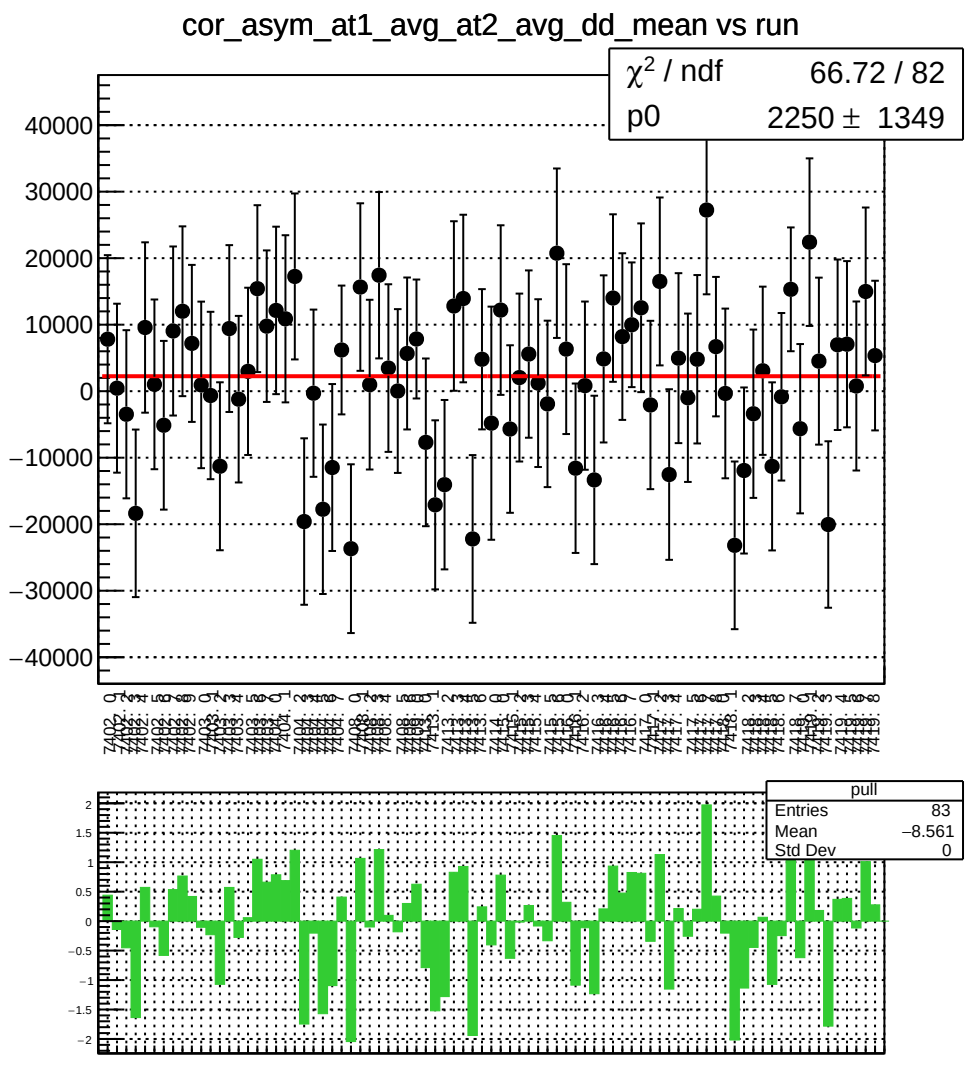

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964

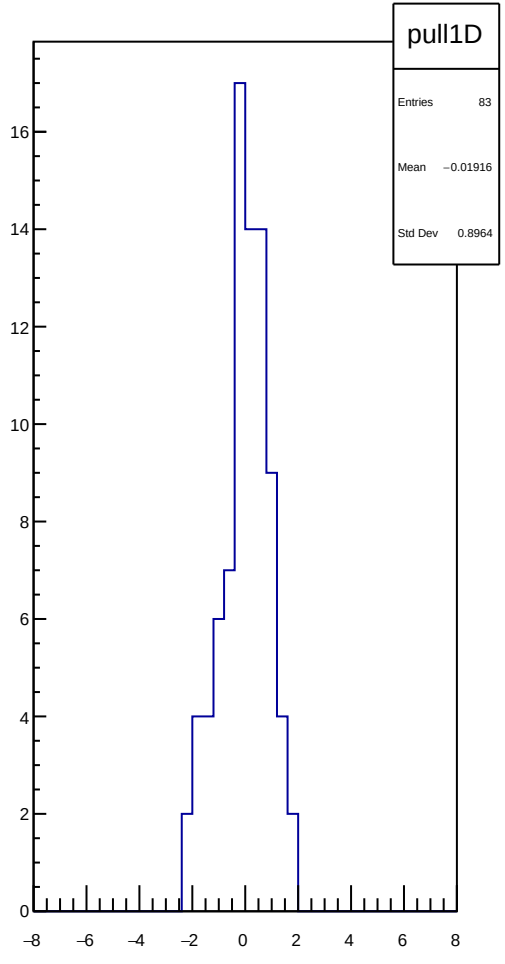

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

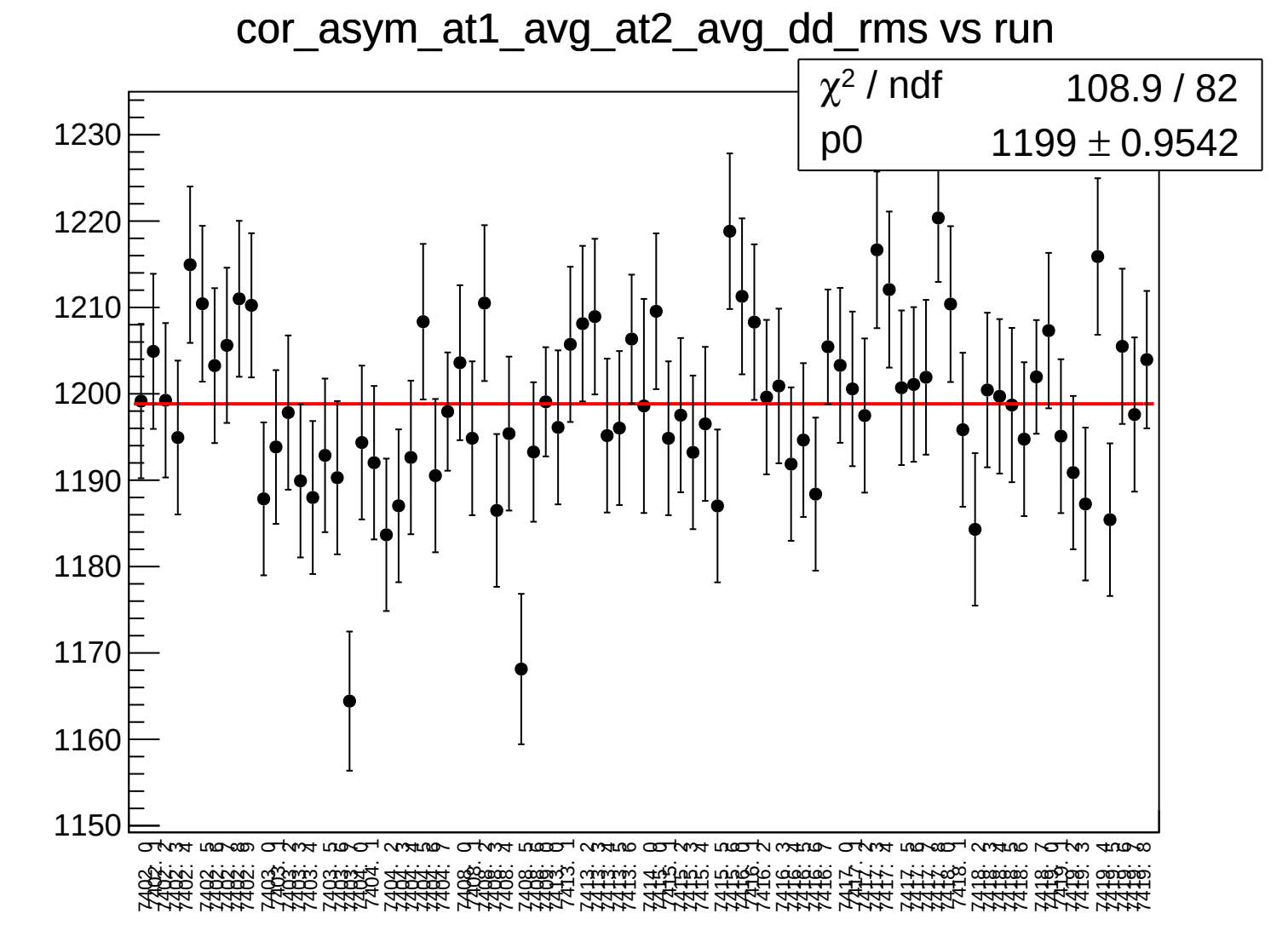

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −978
Std Dev 0
2
1
0
−1
−2

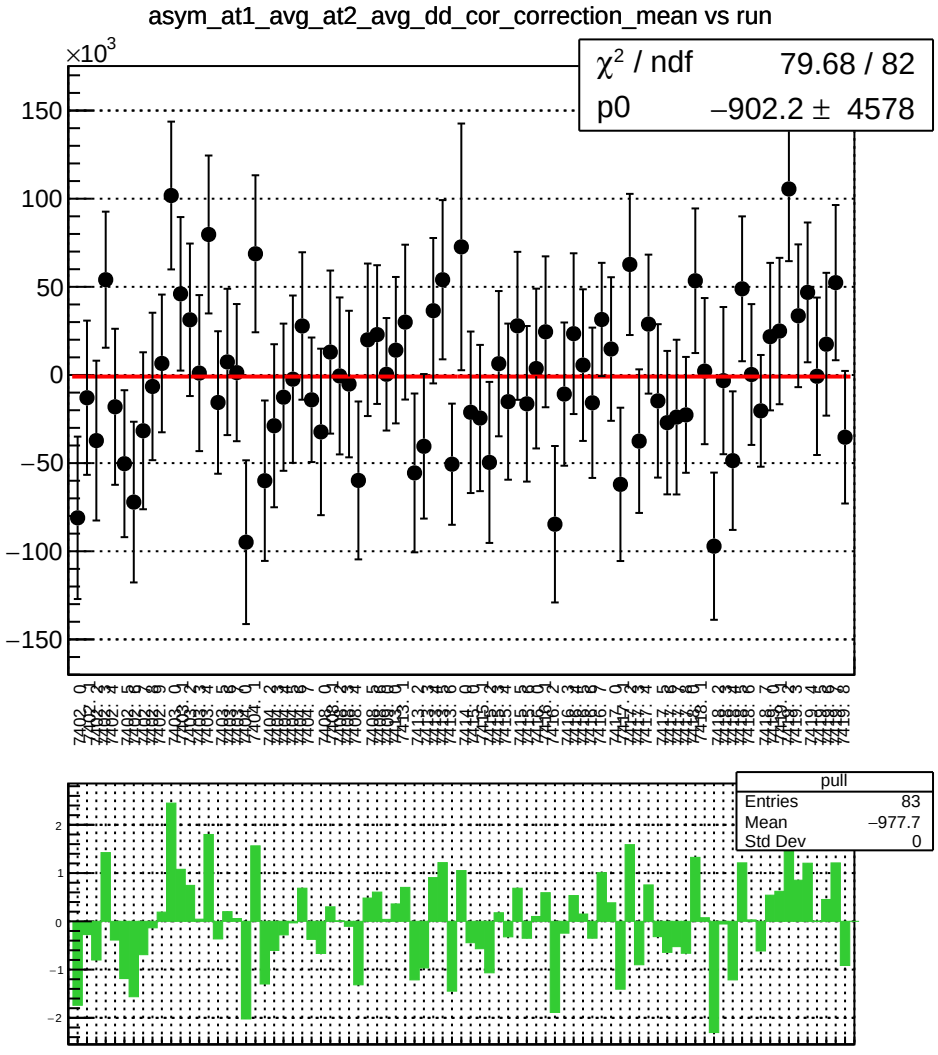

pull1D
Entries 83
Mean −0.002661
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

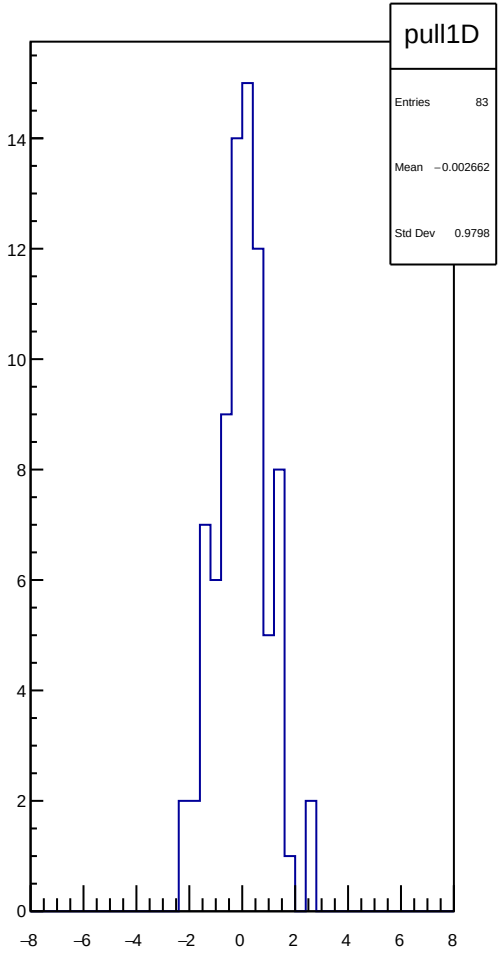

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 3802 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

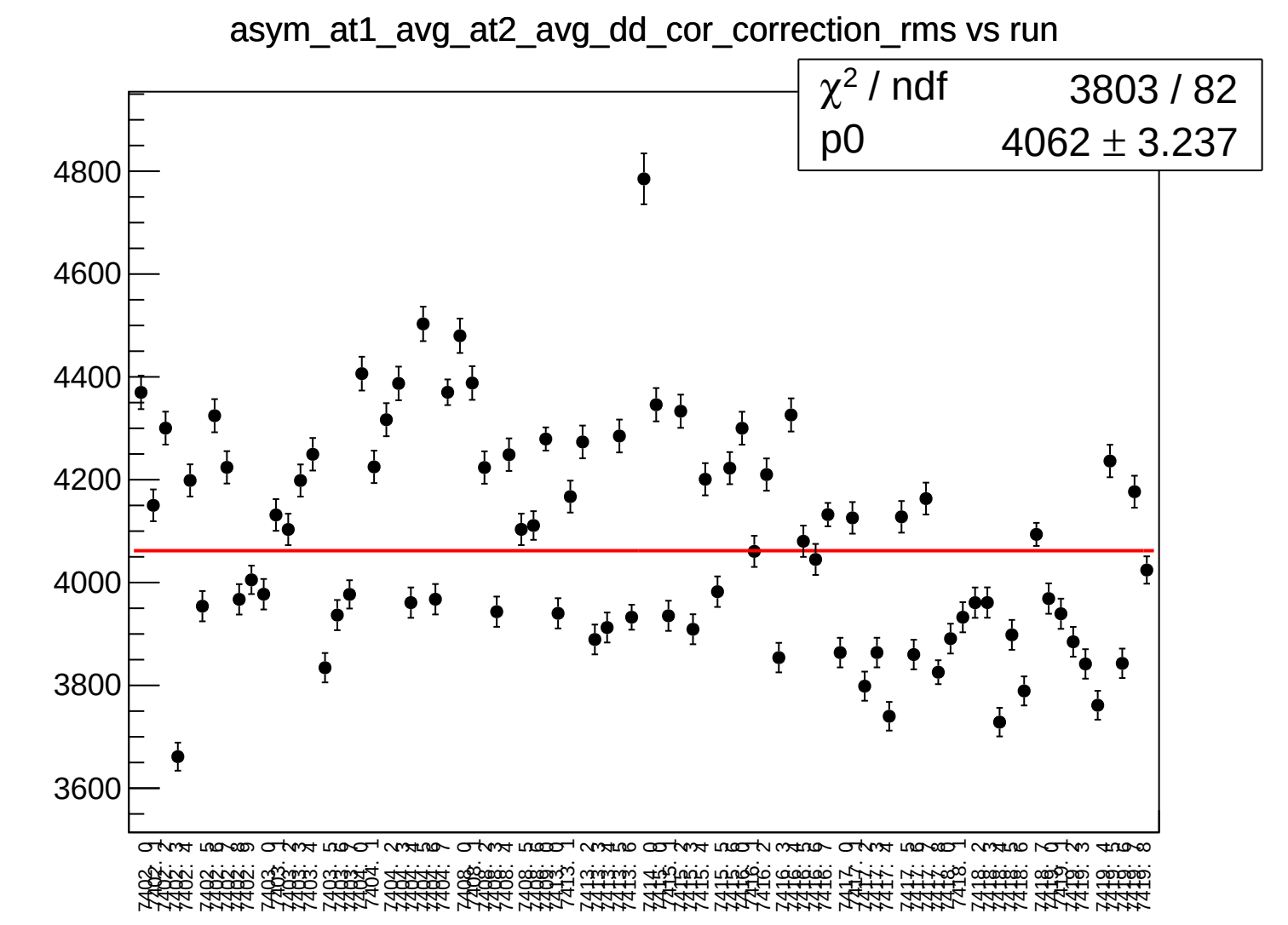

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 66.72 / 82
p0 2250 ± 1349
pull
Entries 83
Mean −8.561
Std Dev 0

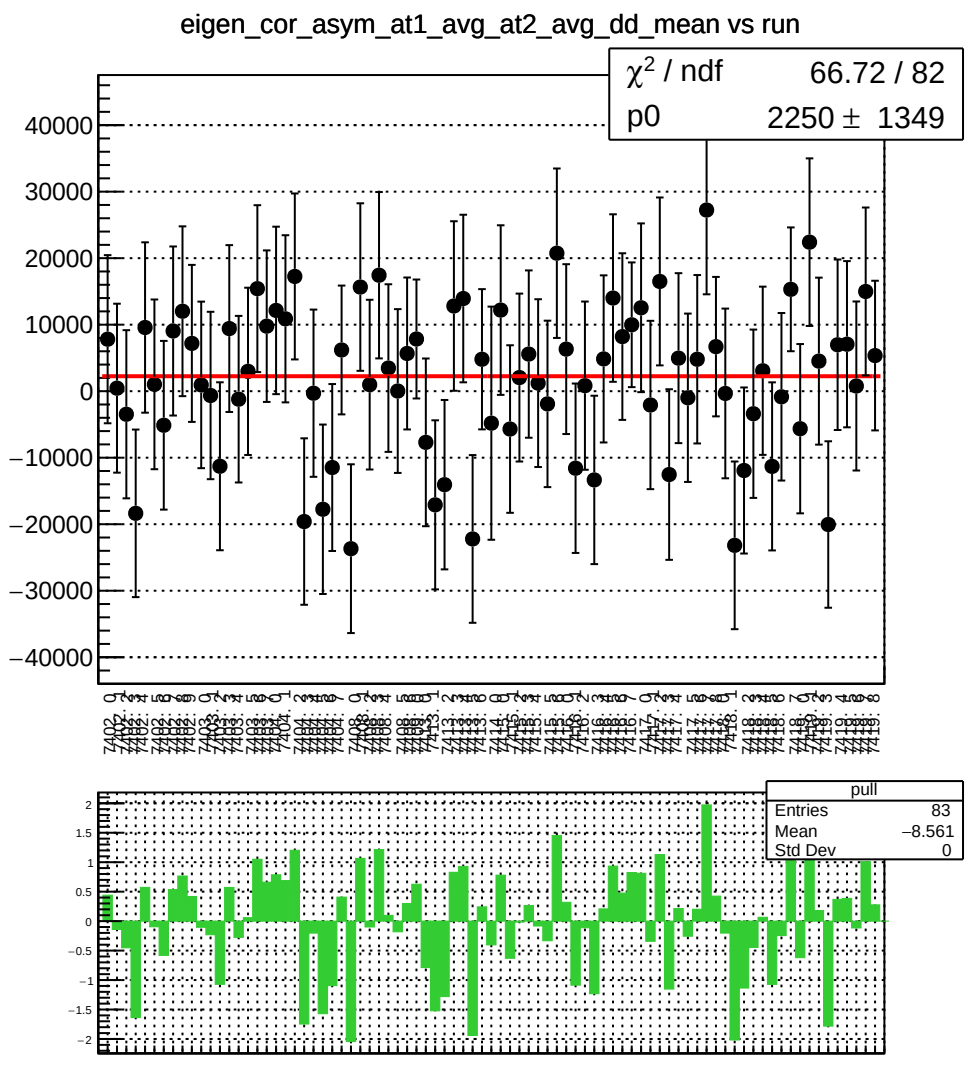

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964

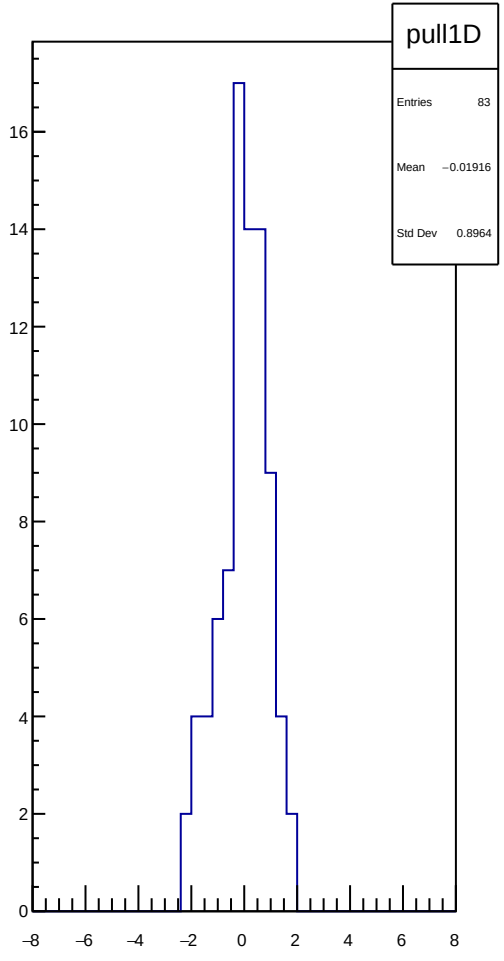

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

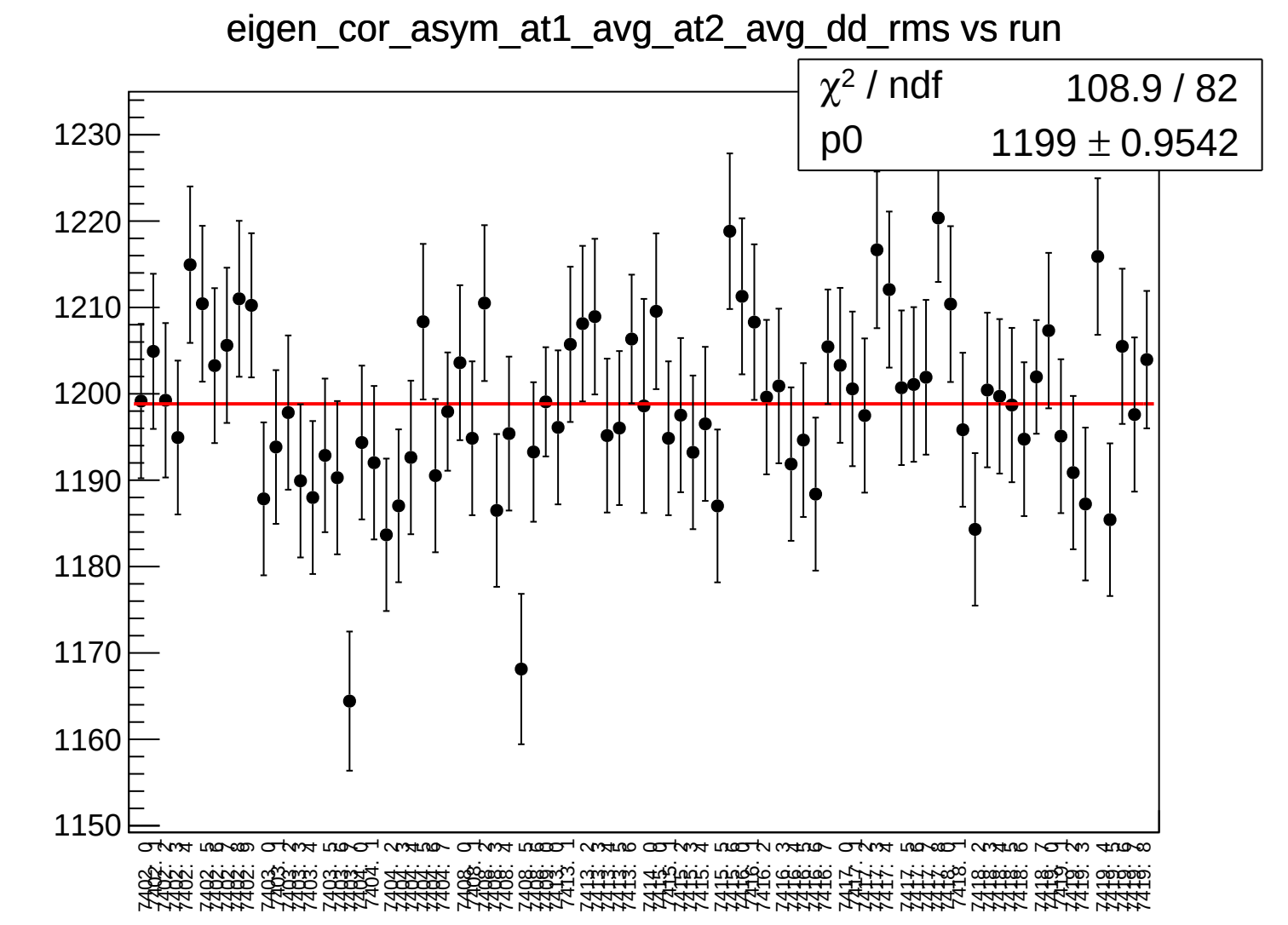

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −977.7
Std Dev 0
2
1
0
−1
−2

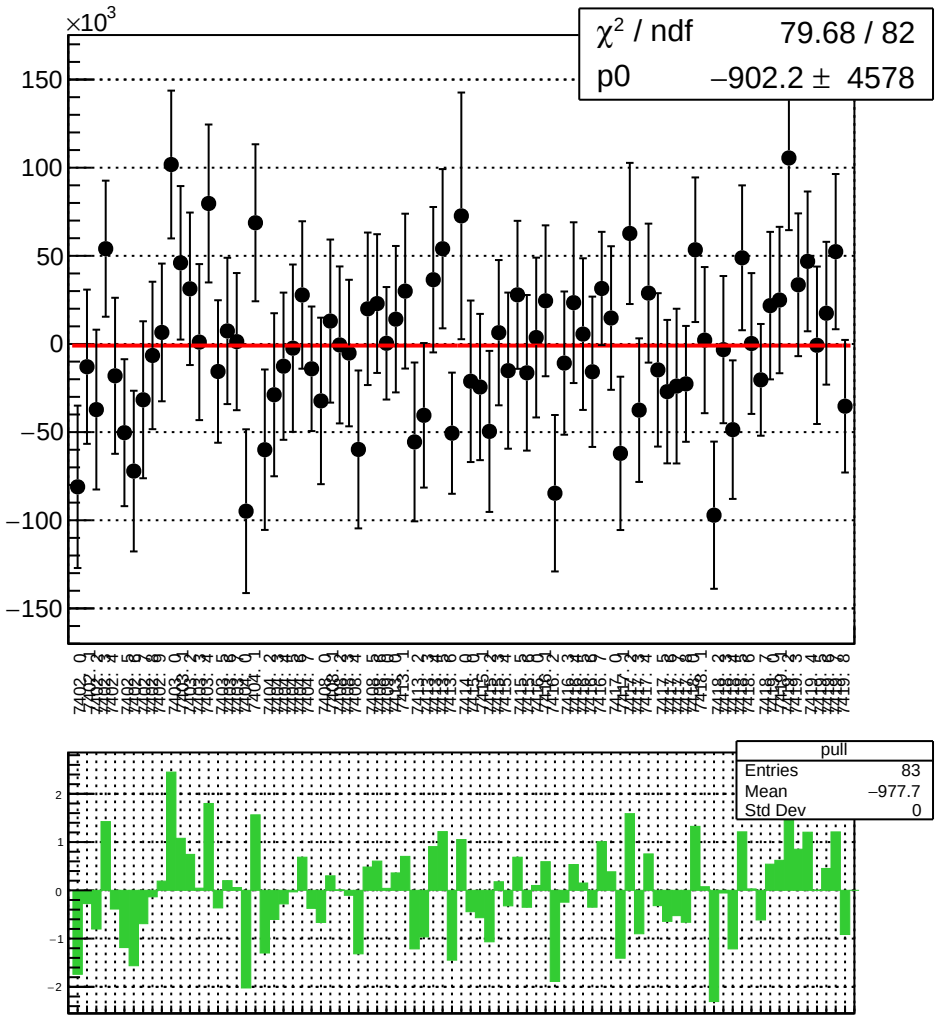

pull1D
Entries 83
Mean −0.002662
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

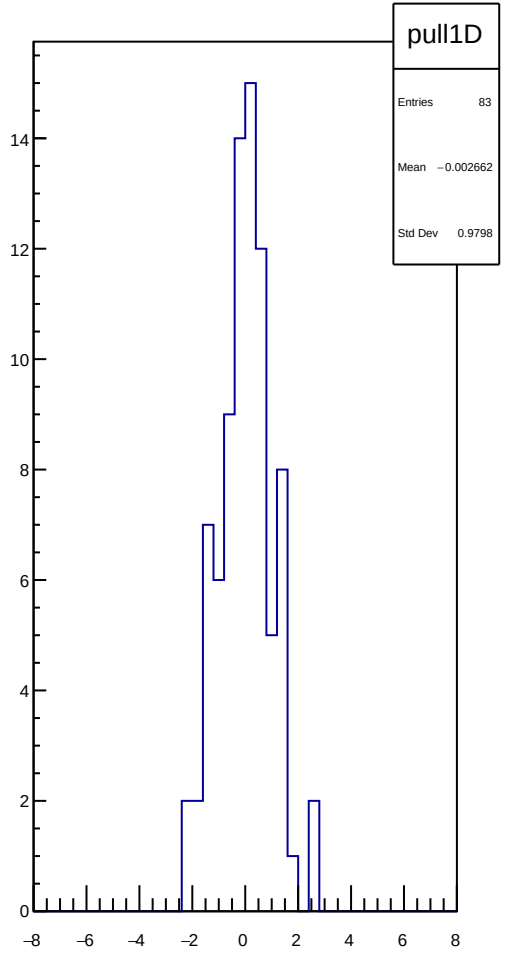

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 3803 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

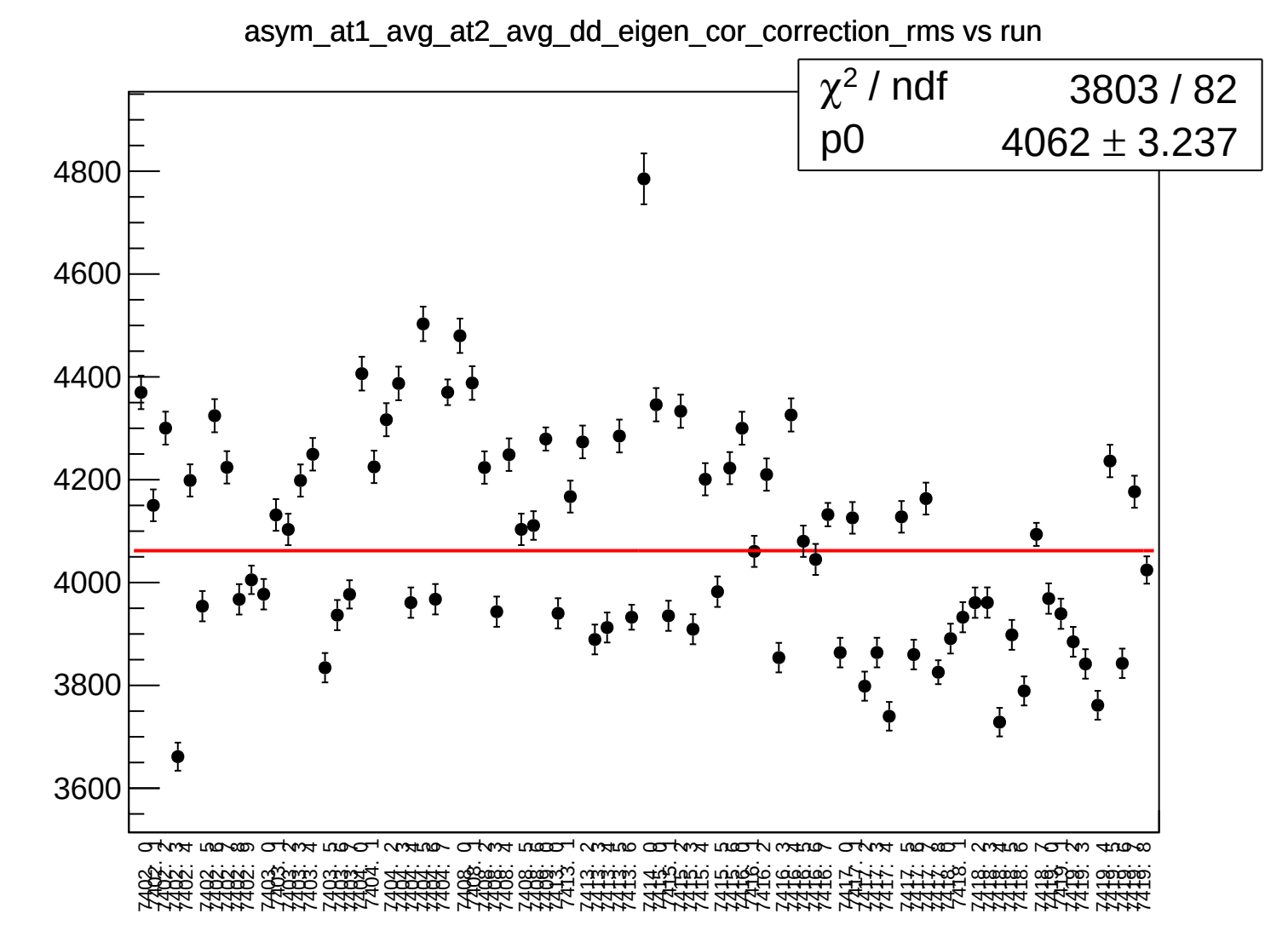

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 66.72 / 82
p0 2250 ± 1349
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −8.561
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

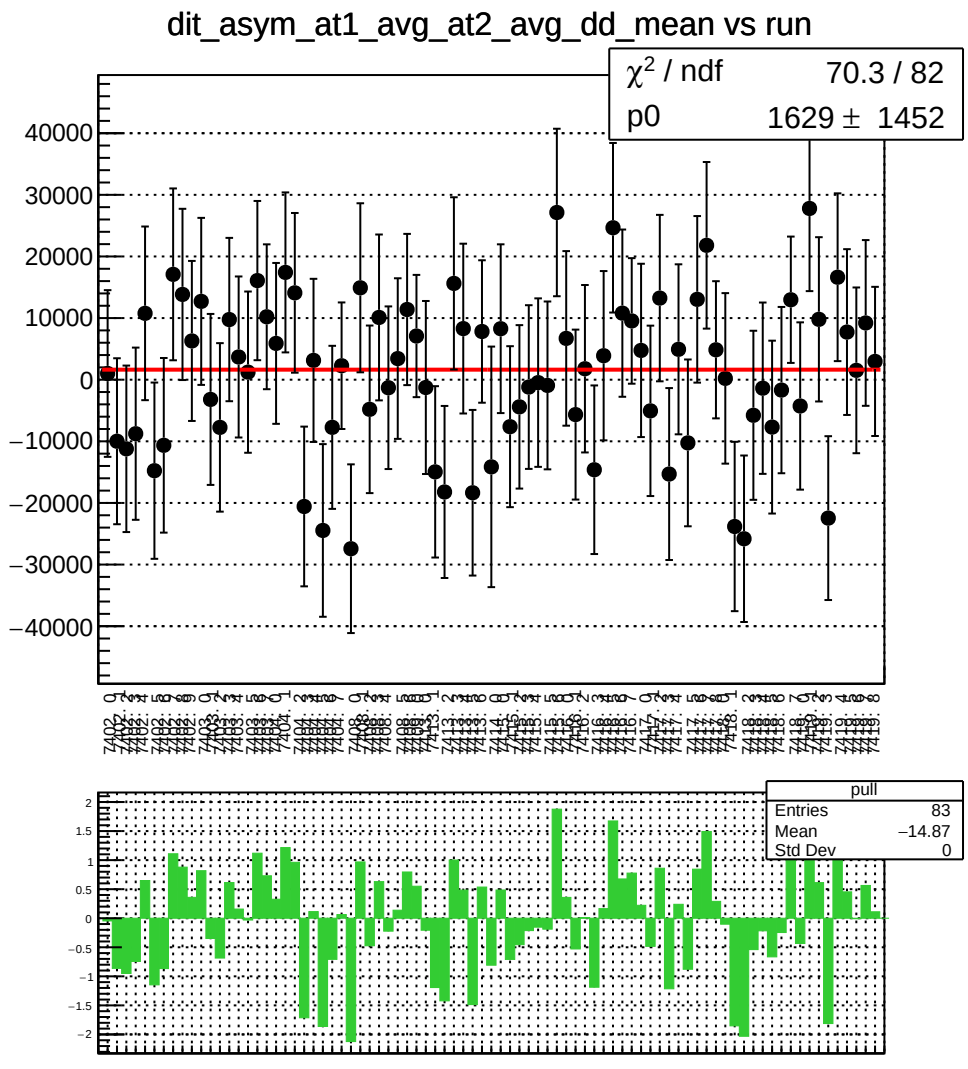

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

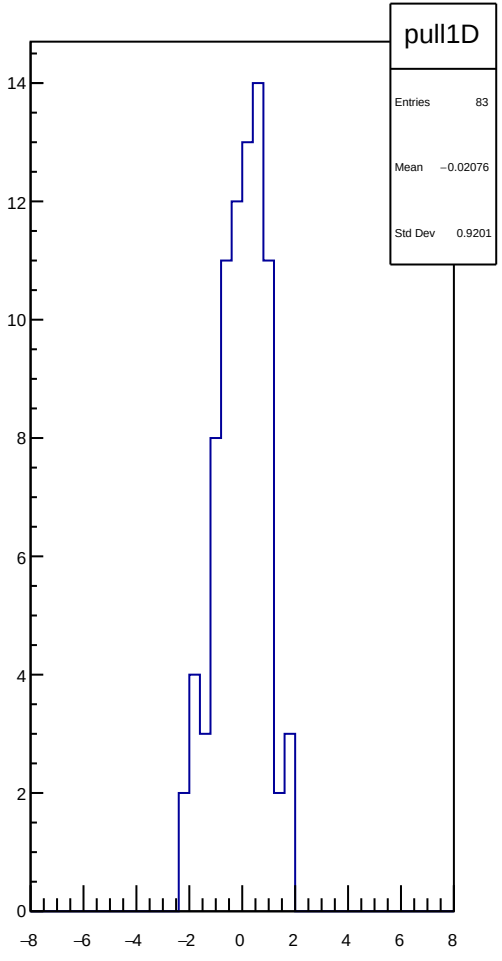

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

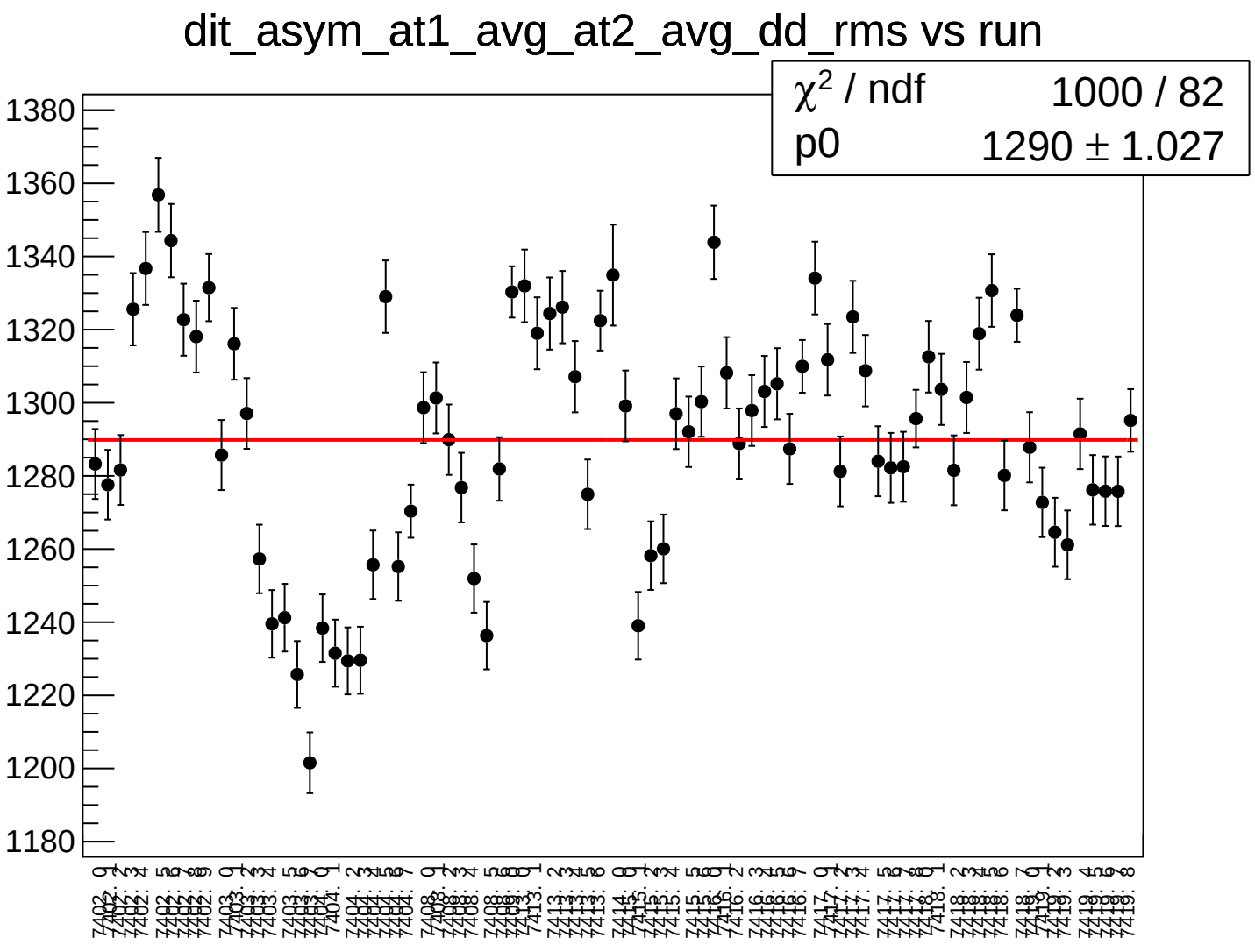

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
×10³
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −977.7
Std Dev 0
2
1
0
−1
−2

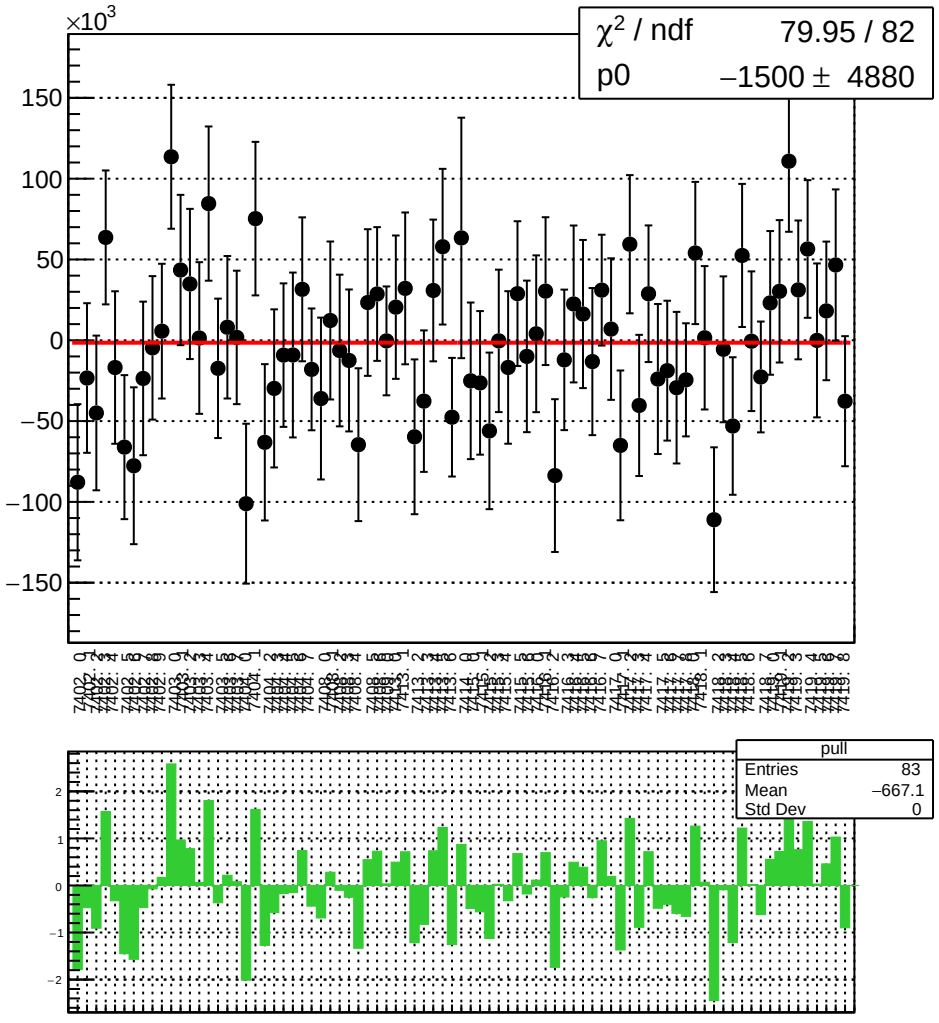

pull1D
Entries 83
Mean −0.002662
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

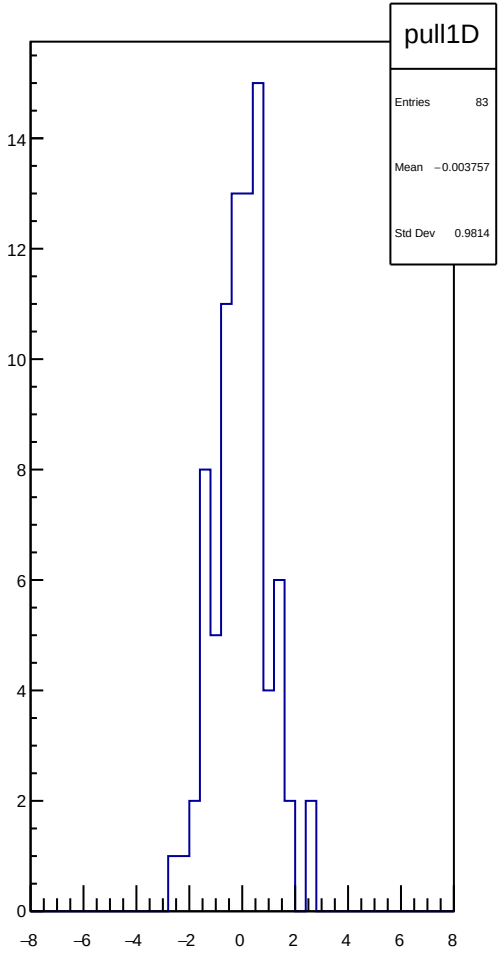

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3803 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

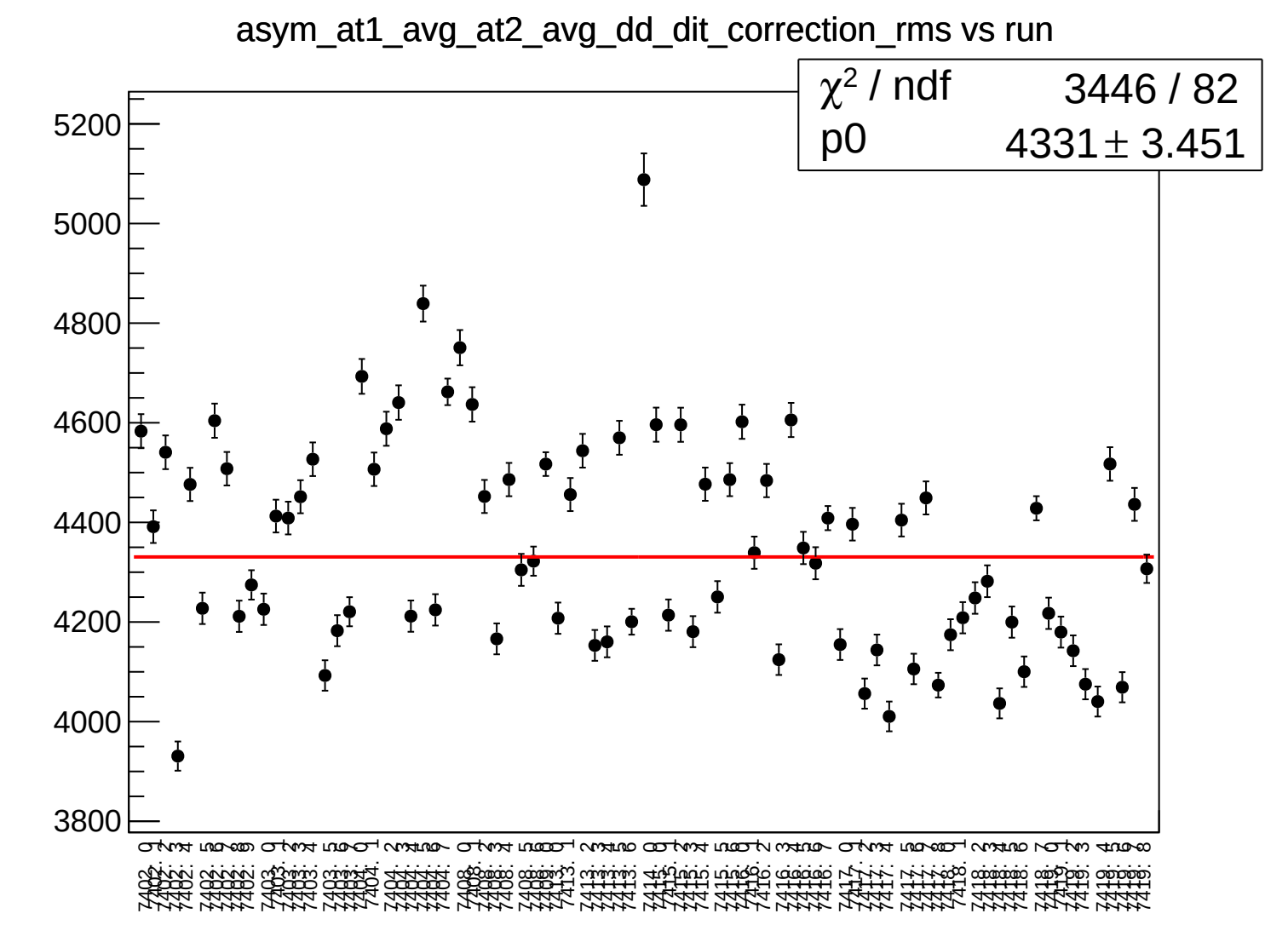

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 70.3 / 82
p0 1629 ± 1452
pull
Entries 83
Mean −14.87
Std Dev 0

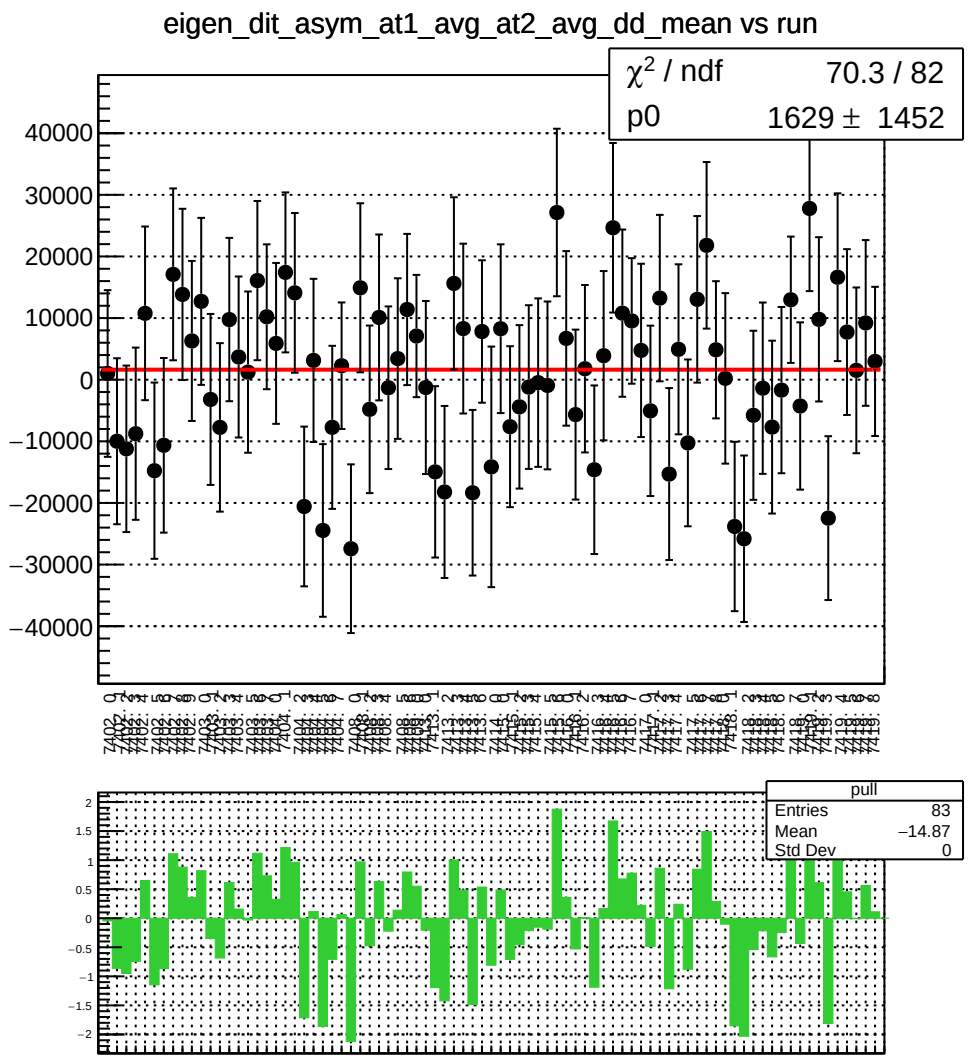

pull1D
Entries 83
Mean −0.02076
Std Dev 0.9201

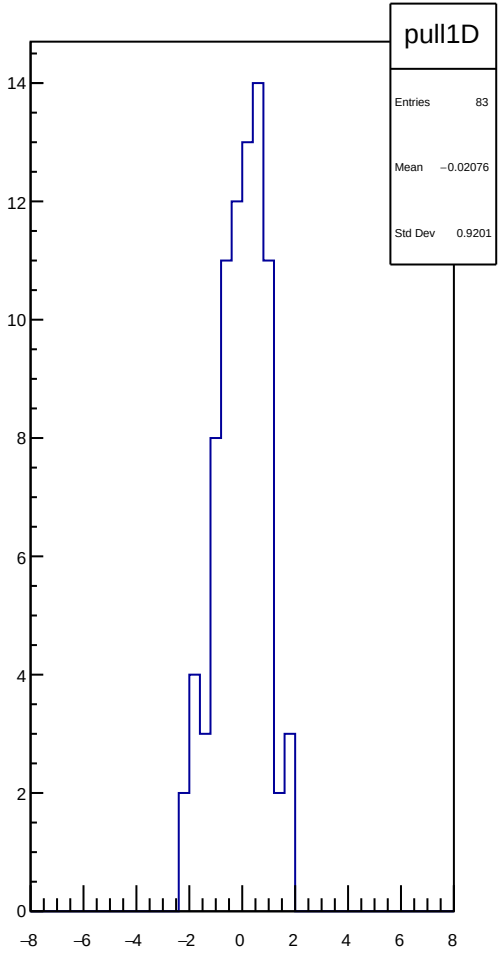

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1000 / 82
p0 1290 ± 1.027
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

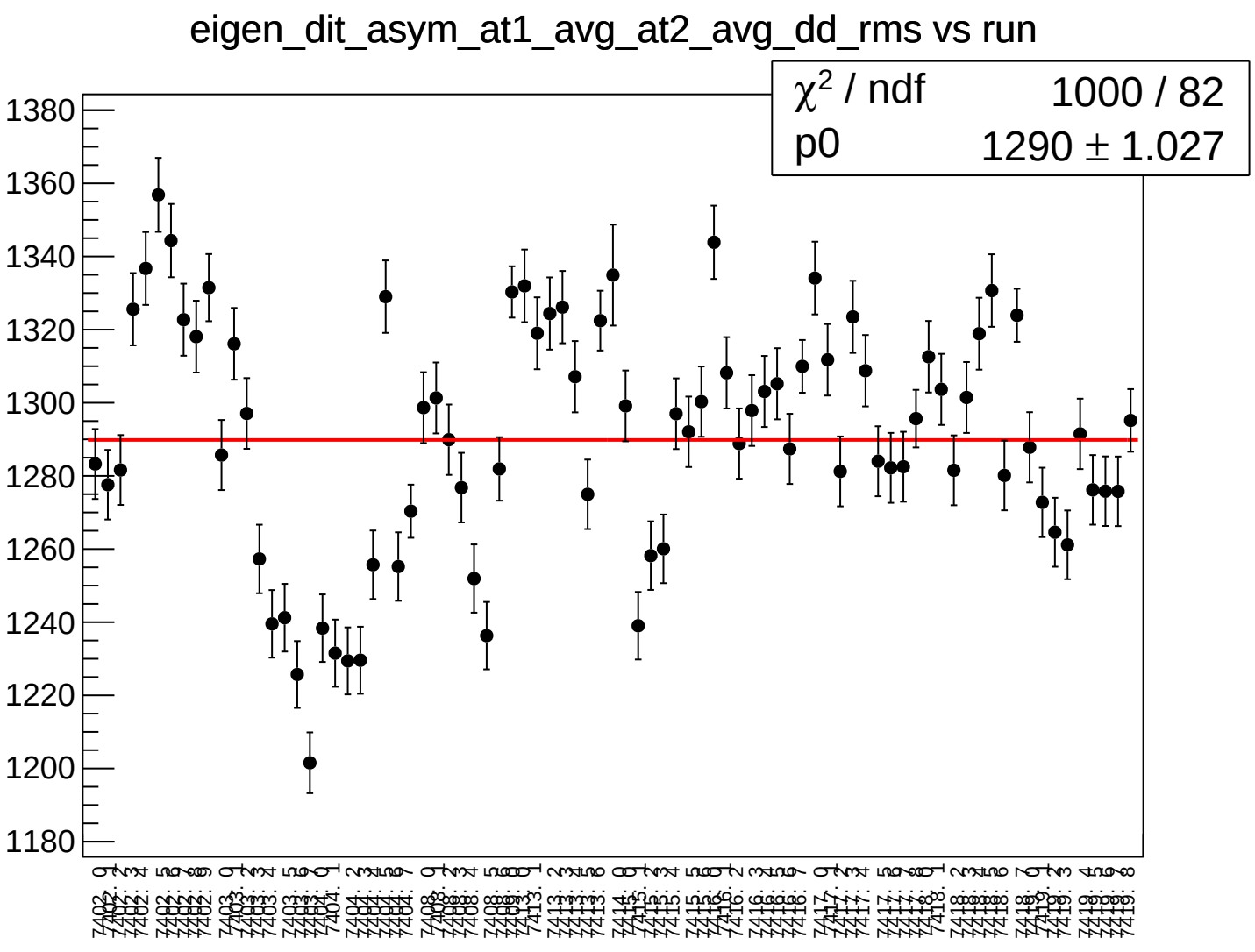

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 79.95 / 82
p0 −1500 ± 4880
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −667.1
Std Dev 0
2
1
0
−1
−2

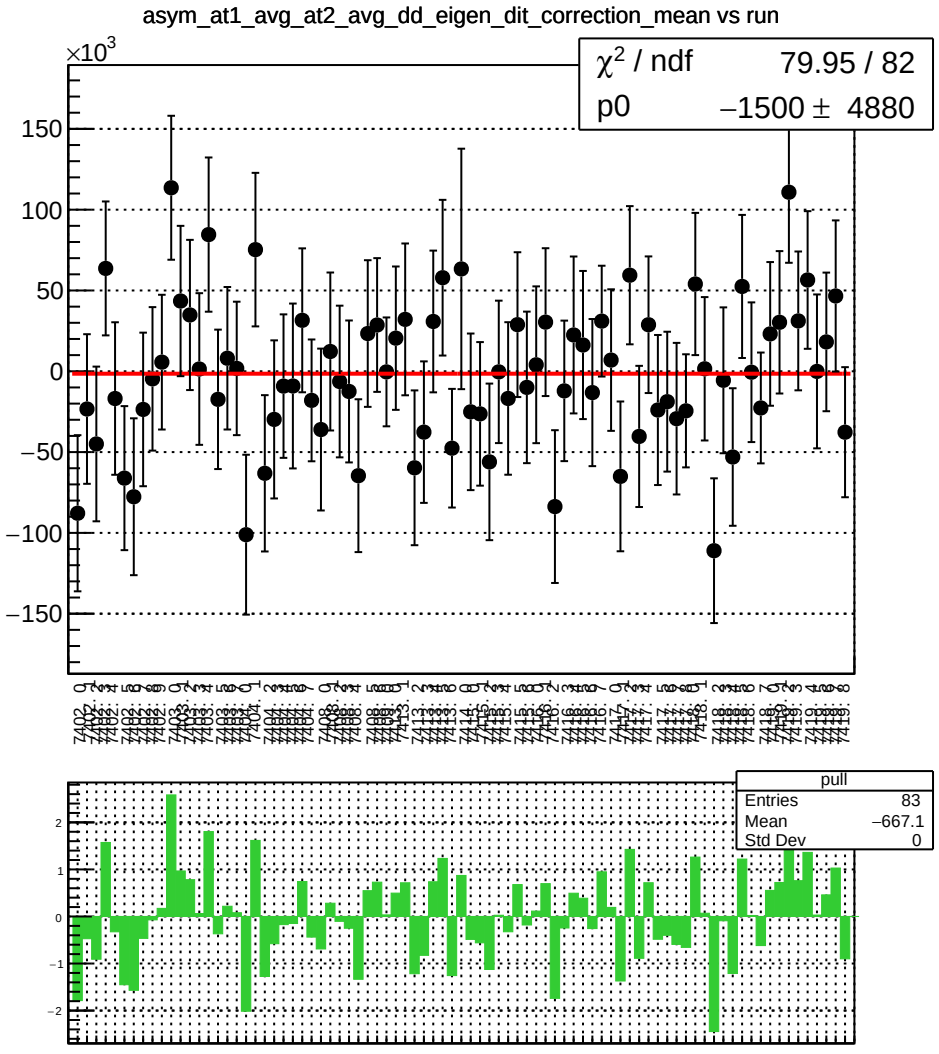

pull1D
Entries 83
Mean −0.003757
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

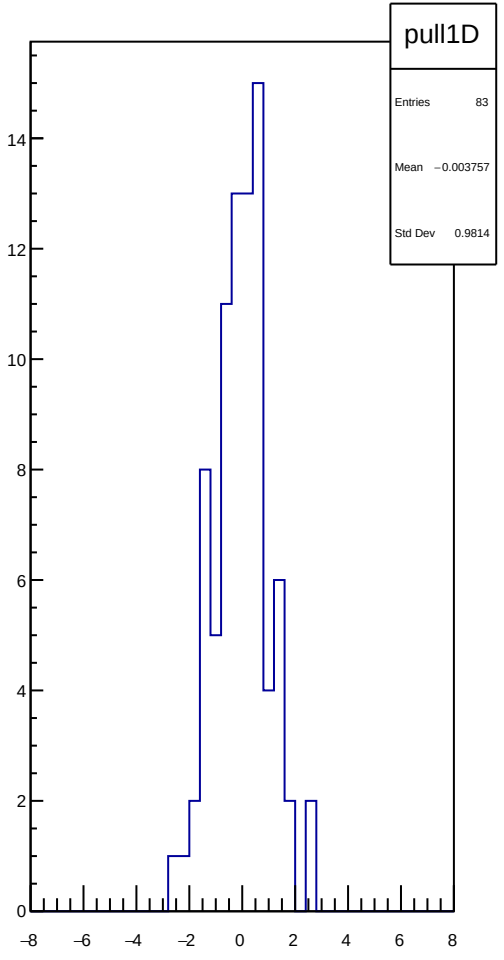

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 3446 / 82
p0 4331 ± 3.451
5200
5000
4800
4600
4400
4200
4000
3800

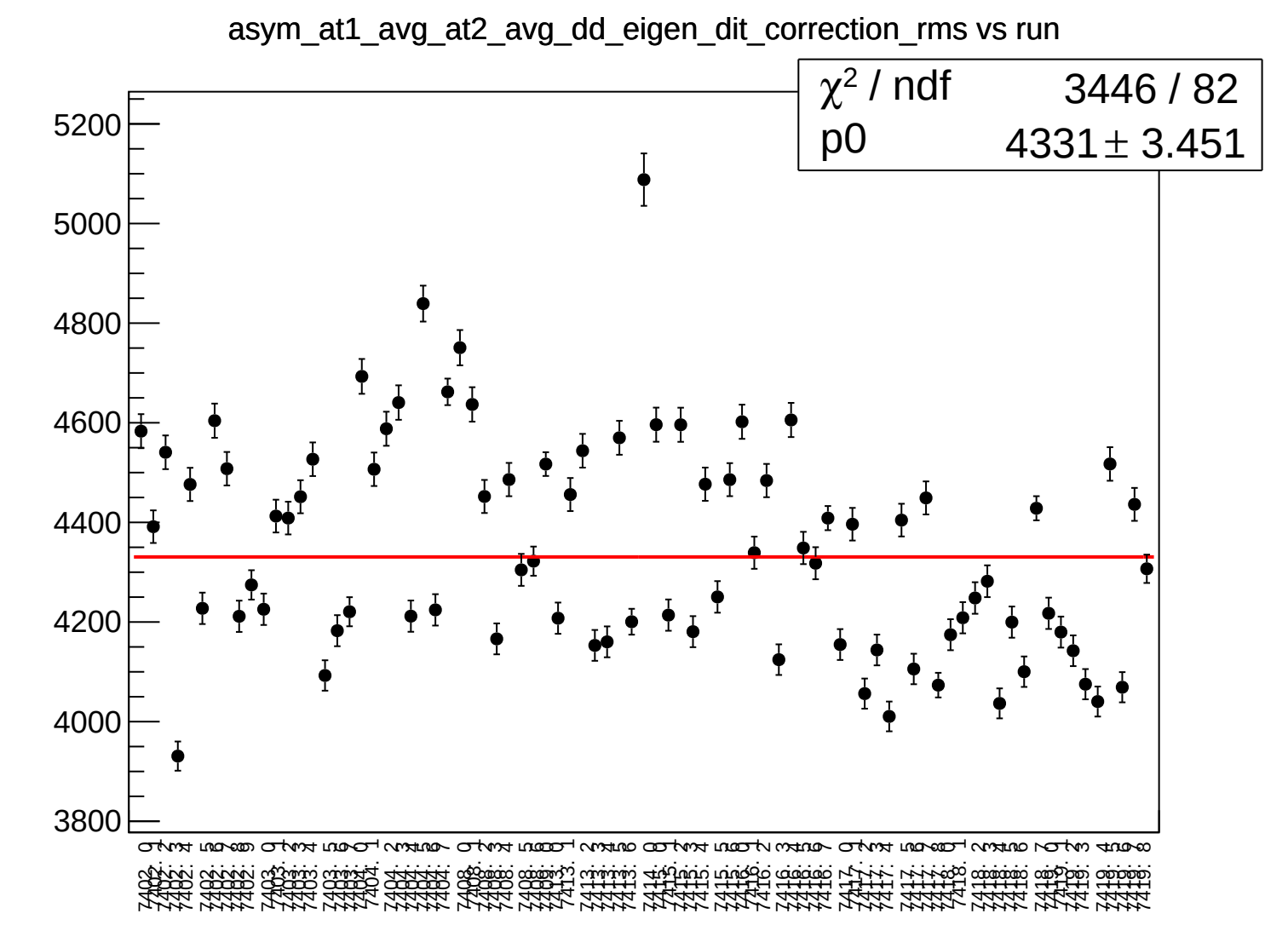

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 70.3 / 82
p0 1629 ± 1452
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −14.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

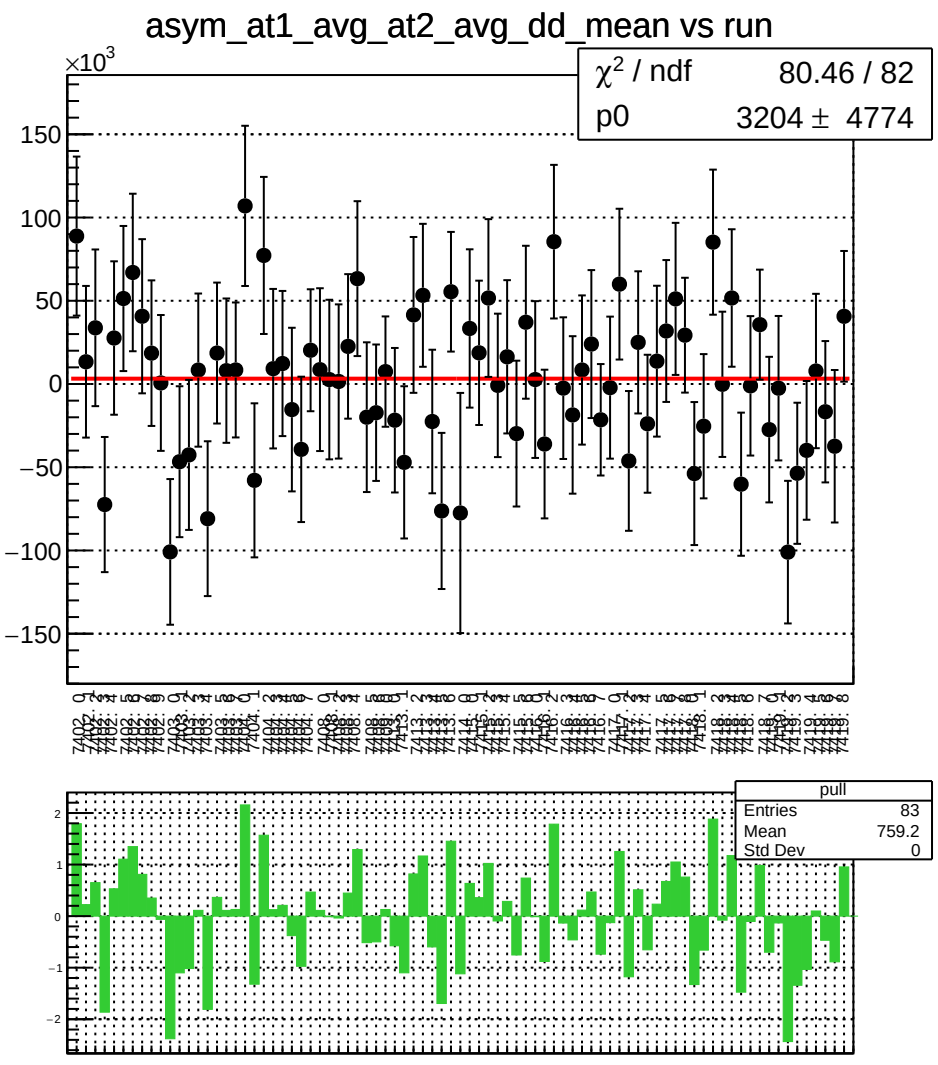

pull1D
Entries 83
Mean −0.02076
Std Dev 0.9201
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

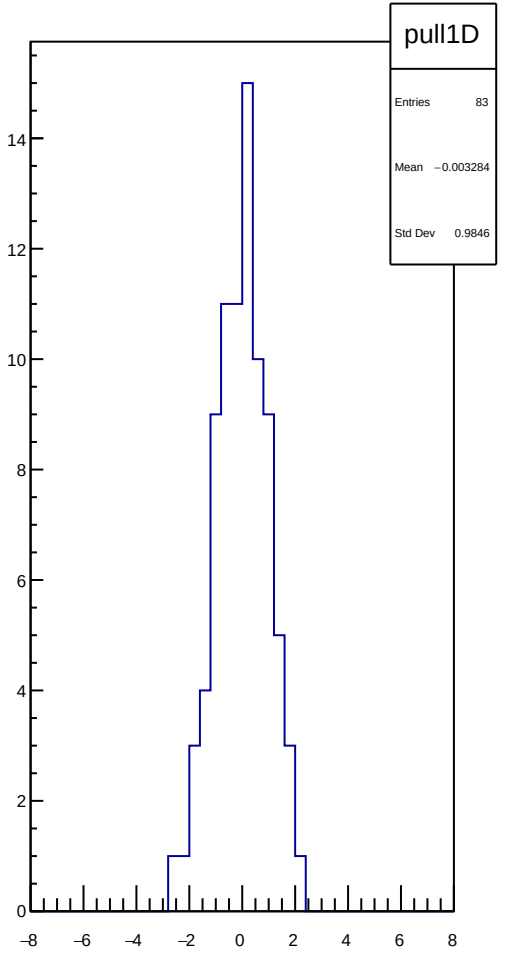

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1000 / 82
p0 1290 ± 1.027
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

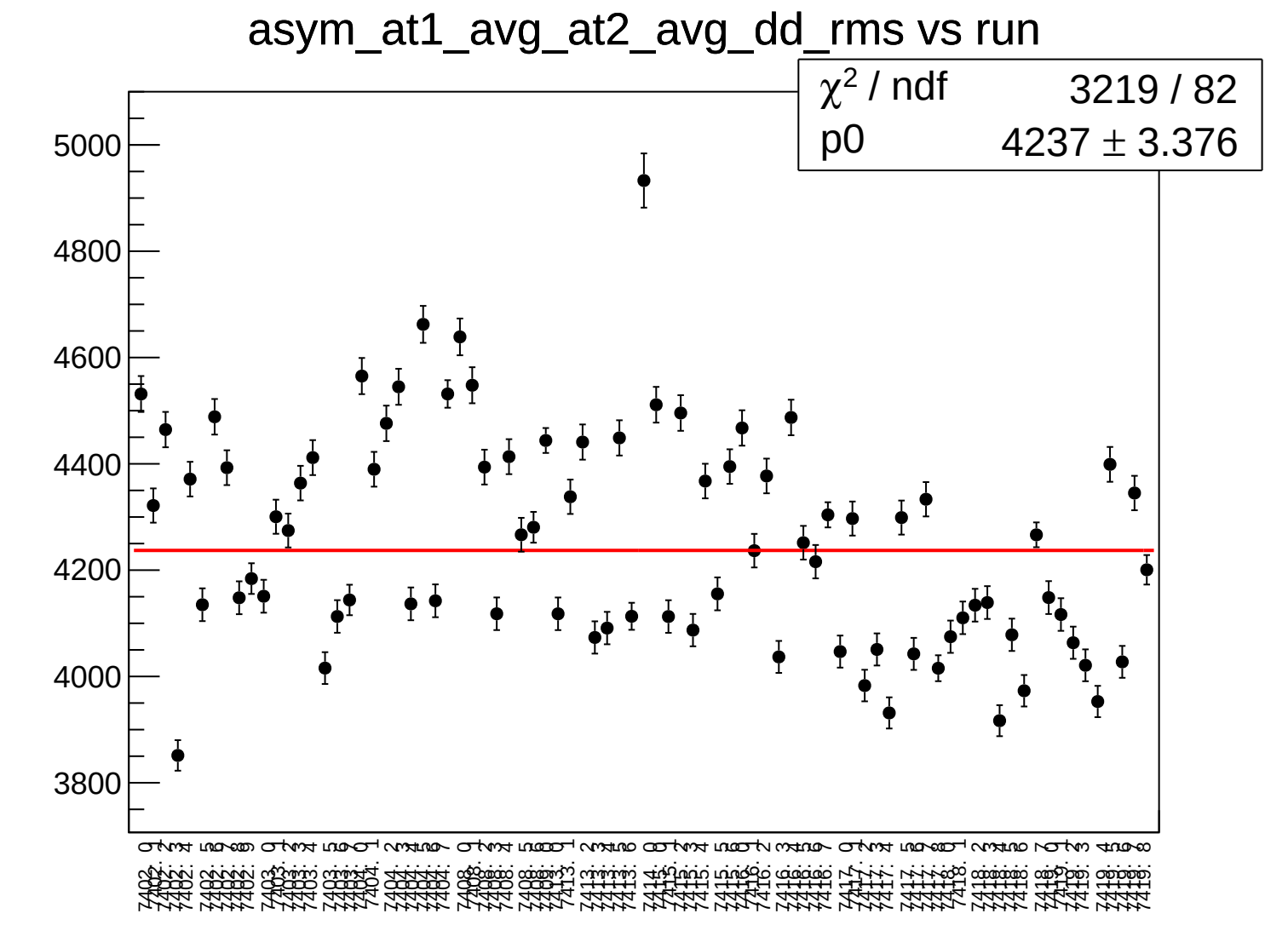

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 79.95 / 82
p0 −1500 ± 4880
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −667.1
Std Dev 0
2
1
0
−1
−2

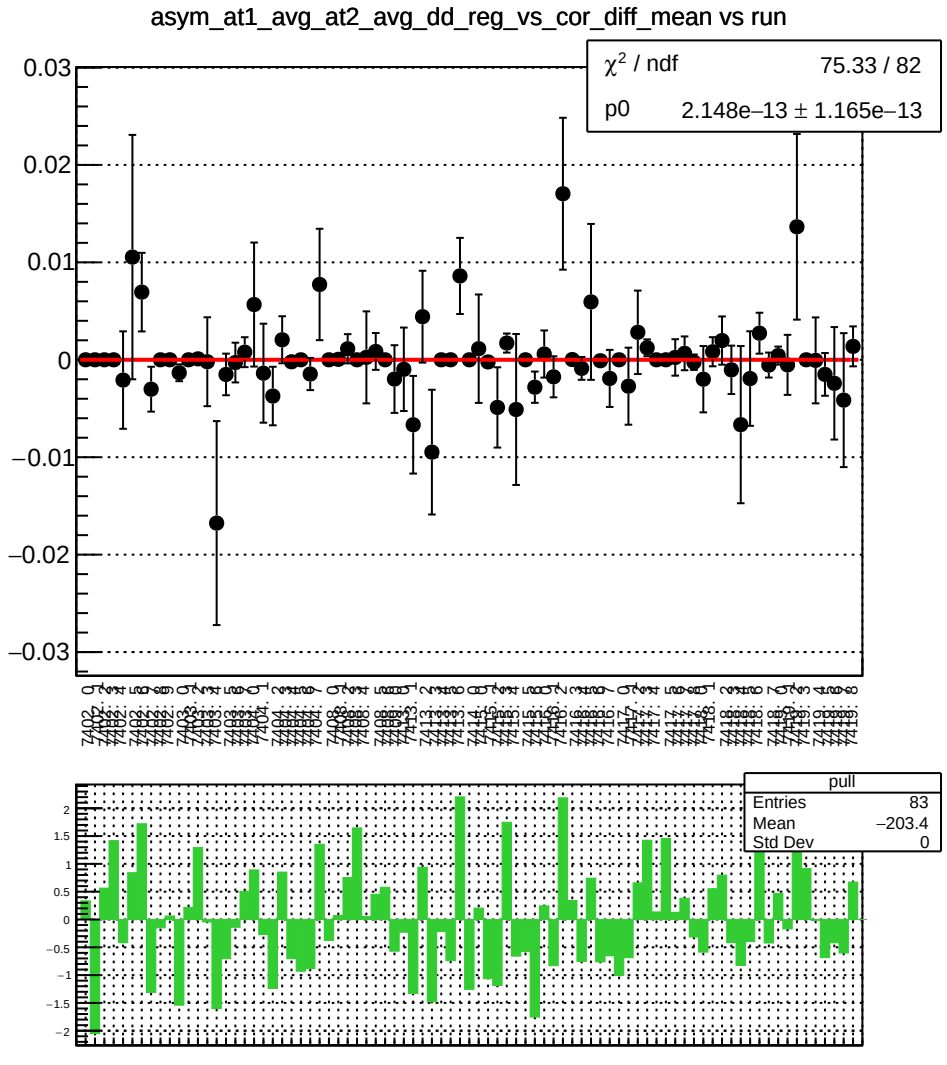

pull1D
Entries 83
Mean −0.003757
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

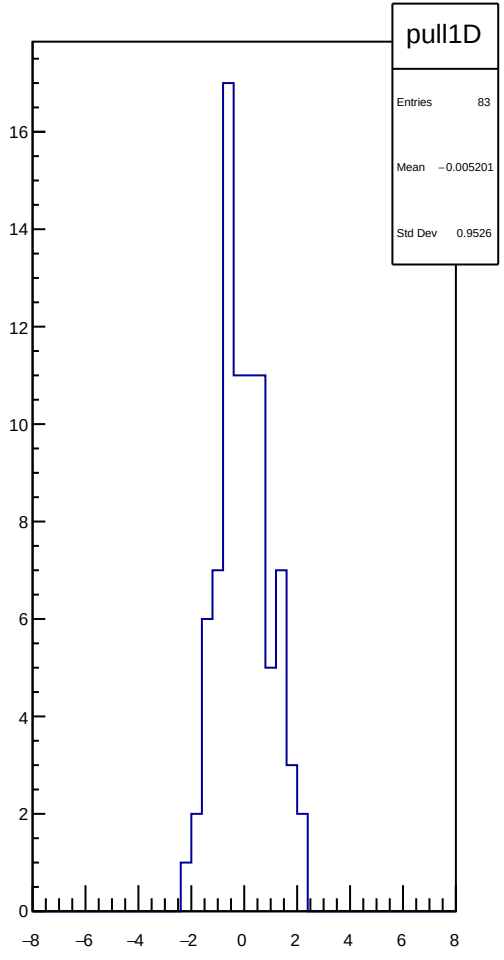

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3446 / 82
p0 4331 ± 3.451
5200
5000
4800
4600
4400
4200
4000
3800

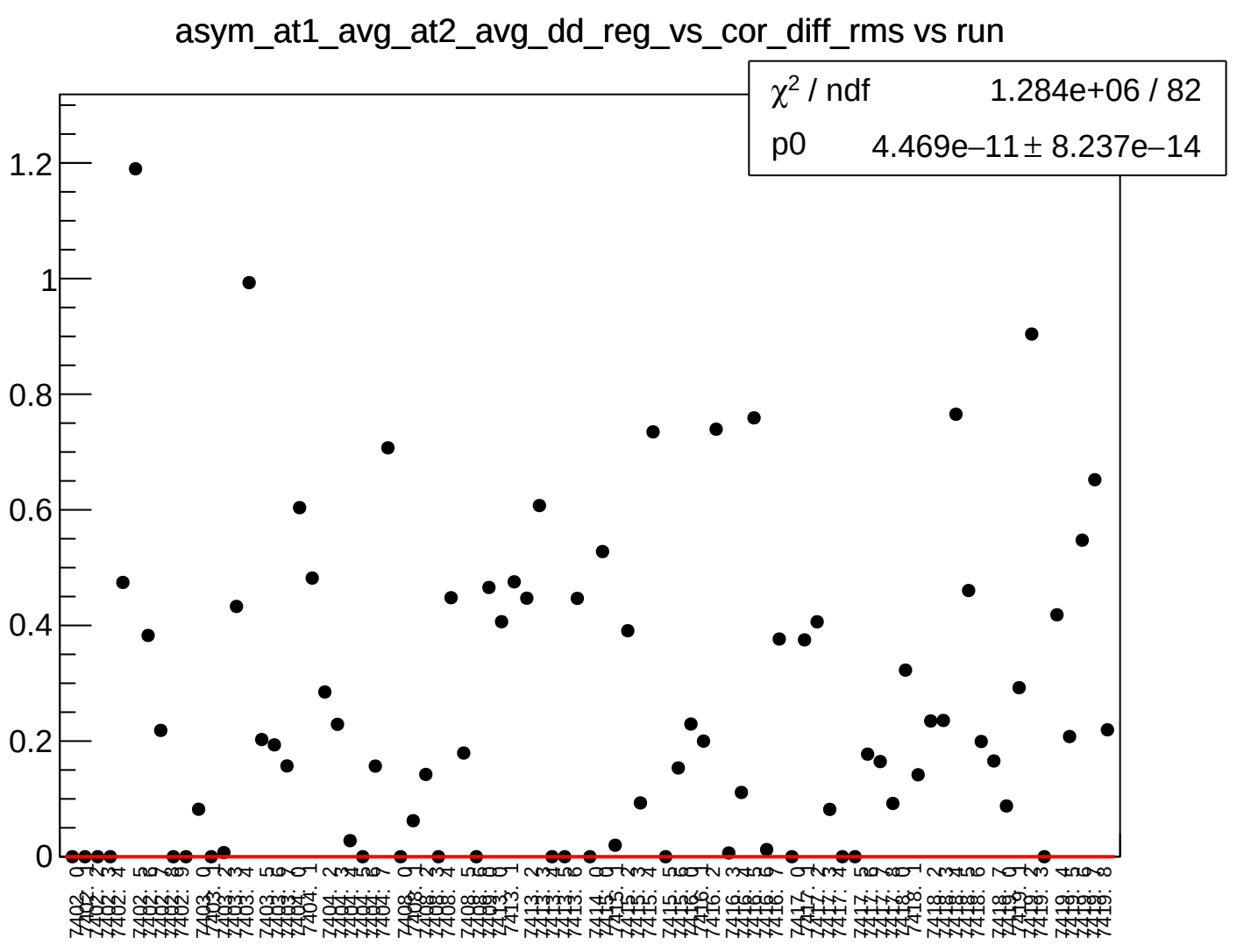

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 80.46 / 82
p0 3204 ± 4774
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 759.2
Std Dev 0
2
1
0
−1
−2

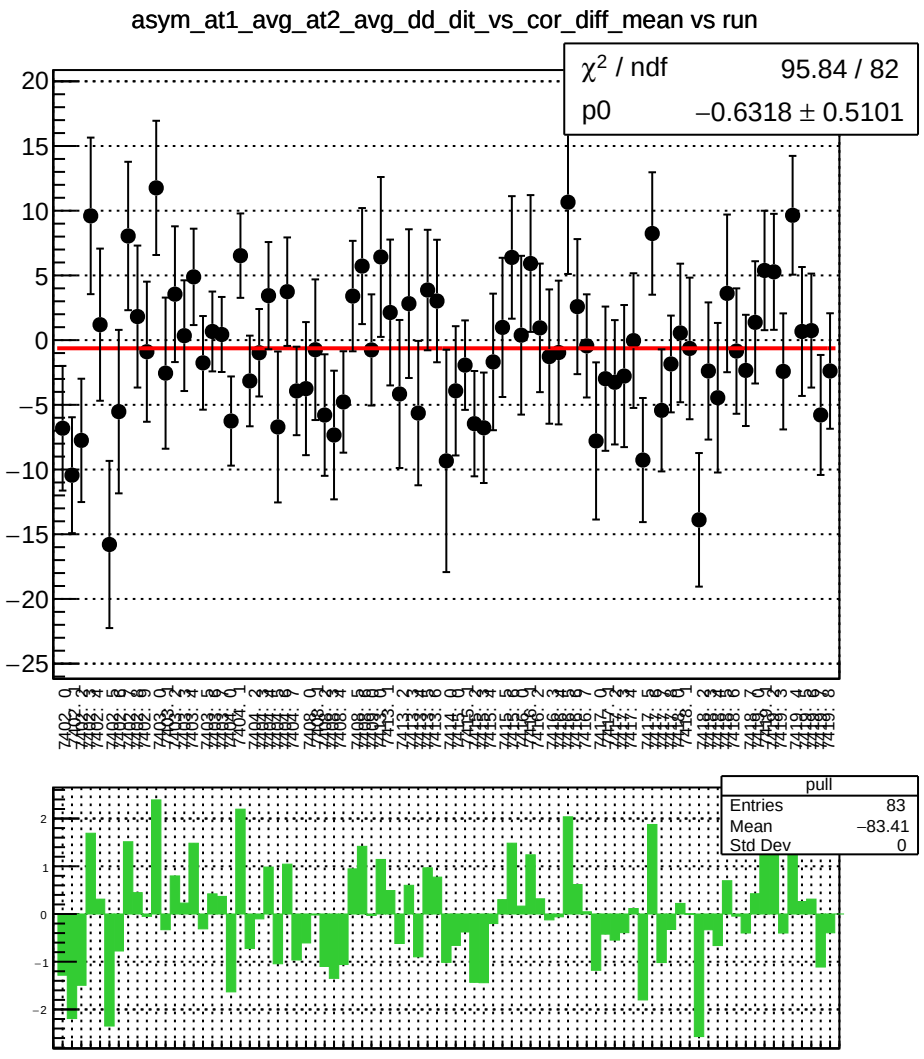

pull1D
Entries 83
Mean −0.003284
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

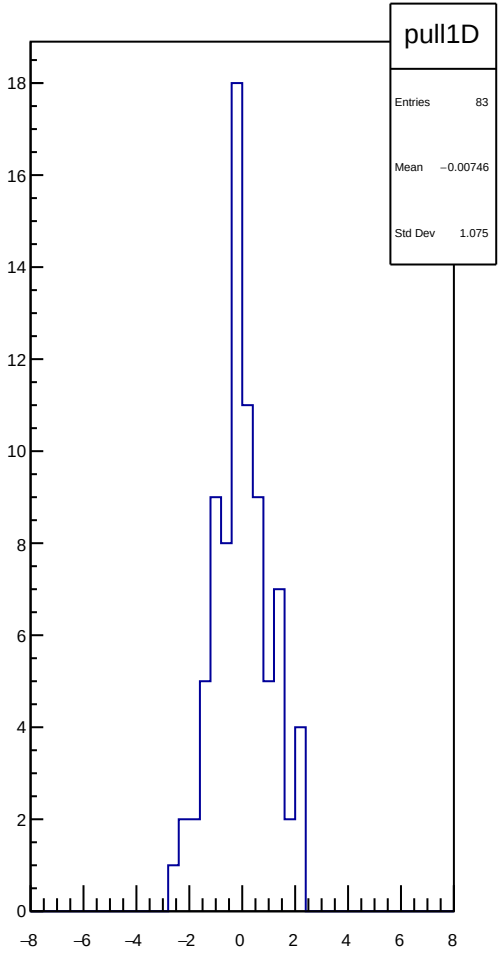

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 3219 / 82
p0 4237 ± 3.376
5000
4800
4600
4400
4200
4000
3800

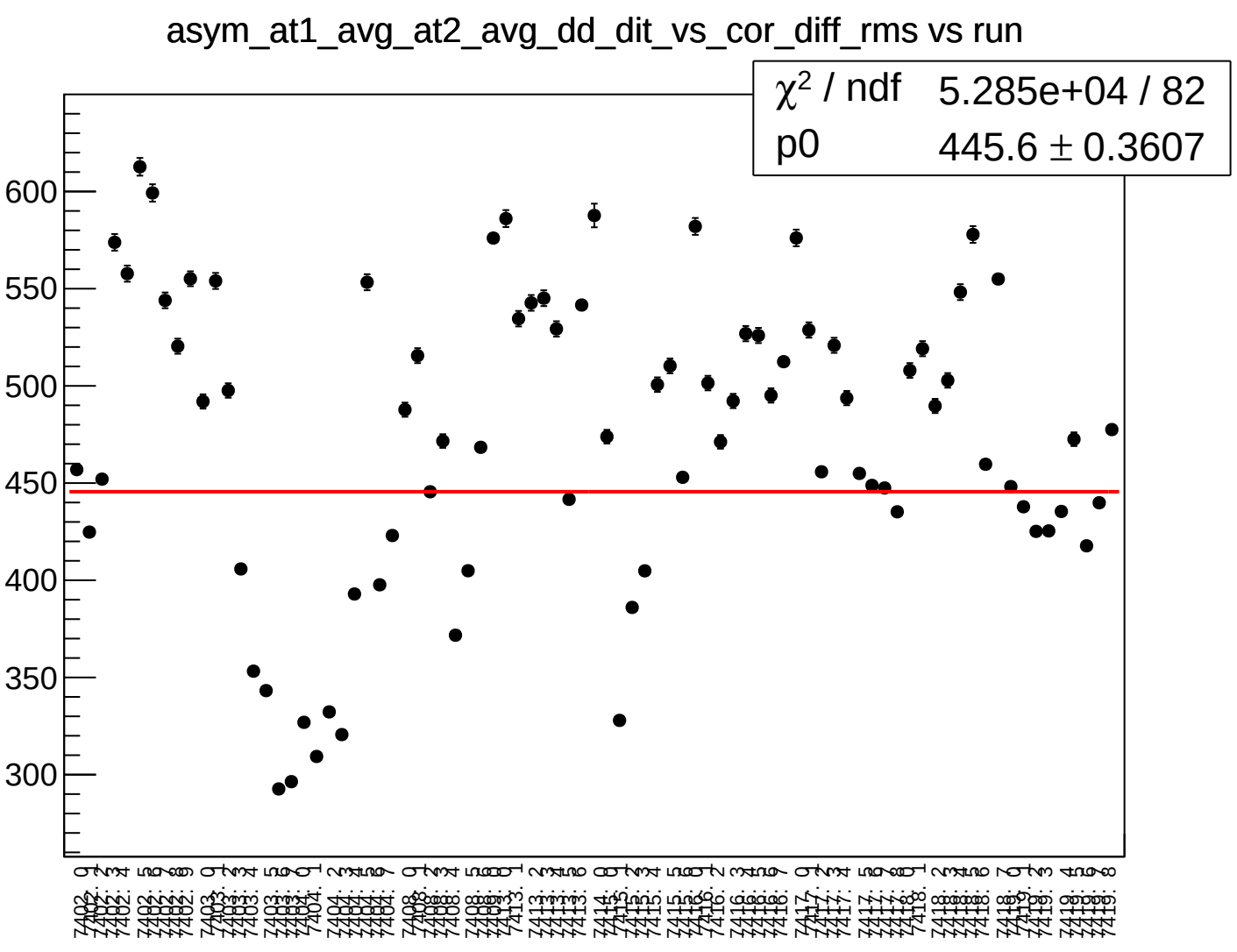

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 75.33 / 82
p0 2.148e−13 ± 1.165e−13
pull
Entries 83
Mean −203.4
Std Dev 0

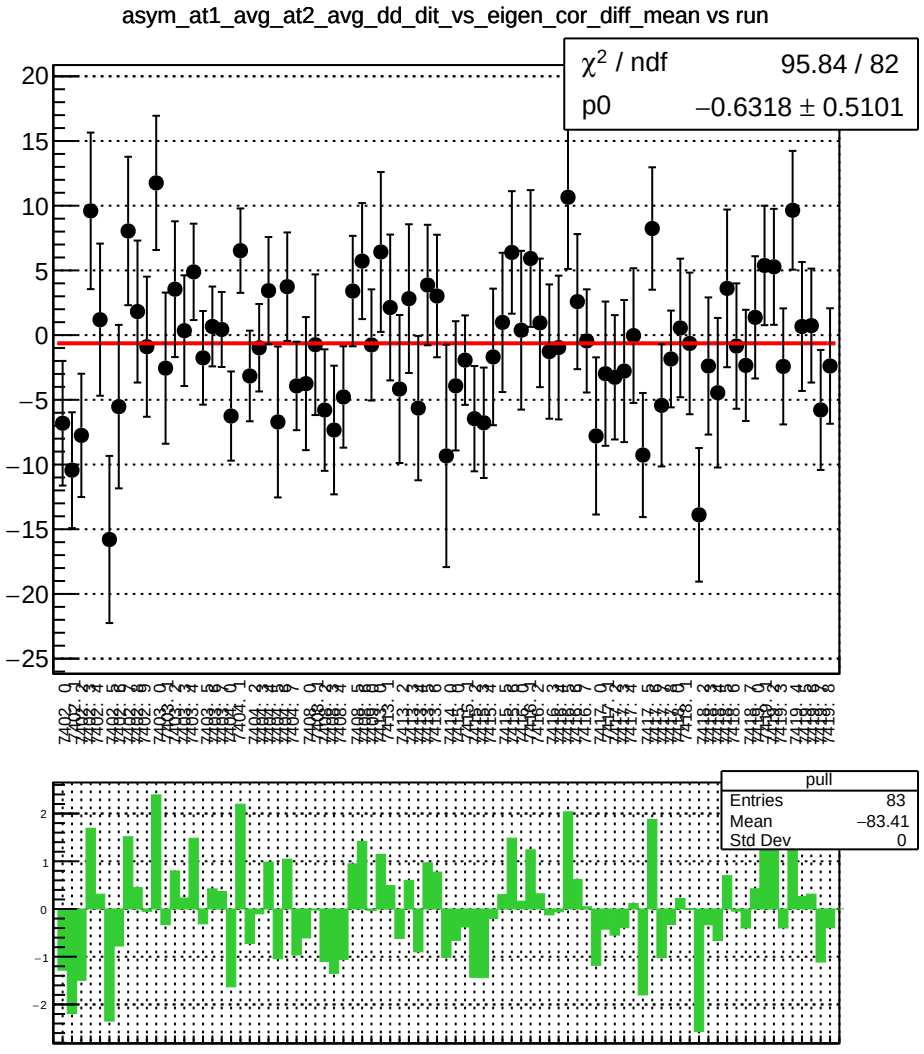

pull1D
Entries 83
Mean −0.005201
Std Dev 0.9526

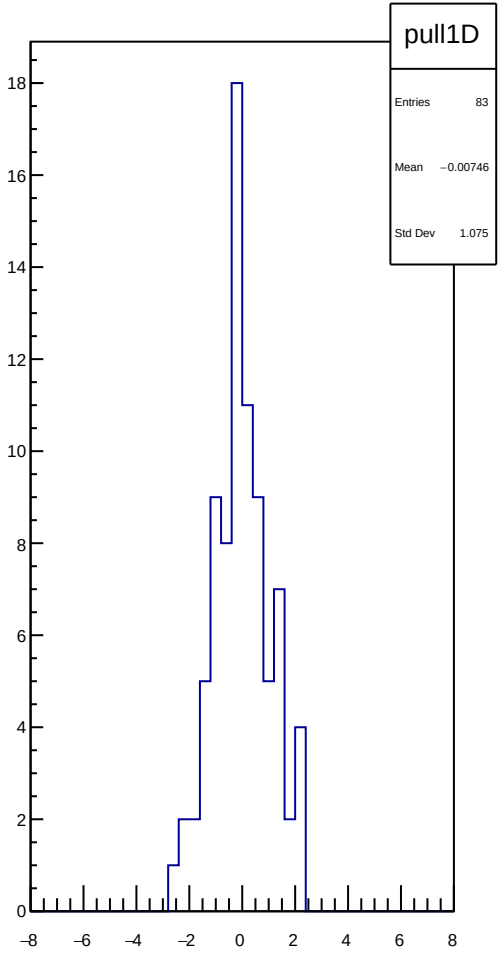

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.284e+06 / 82
p0 4.469e−11 ± 8.237e−14
1.2
1
0.8
0.6
0.4
0.2
0

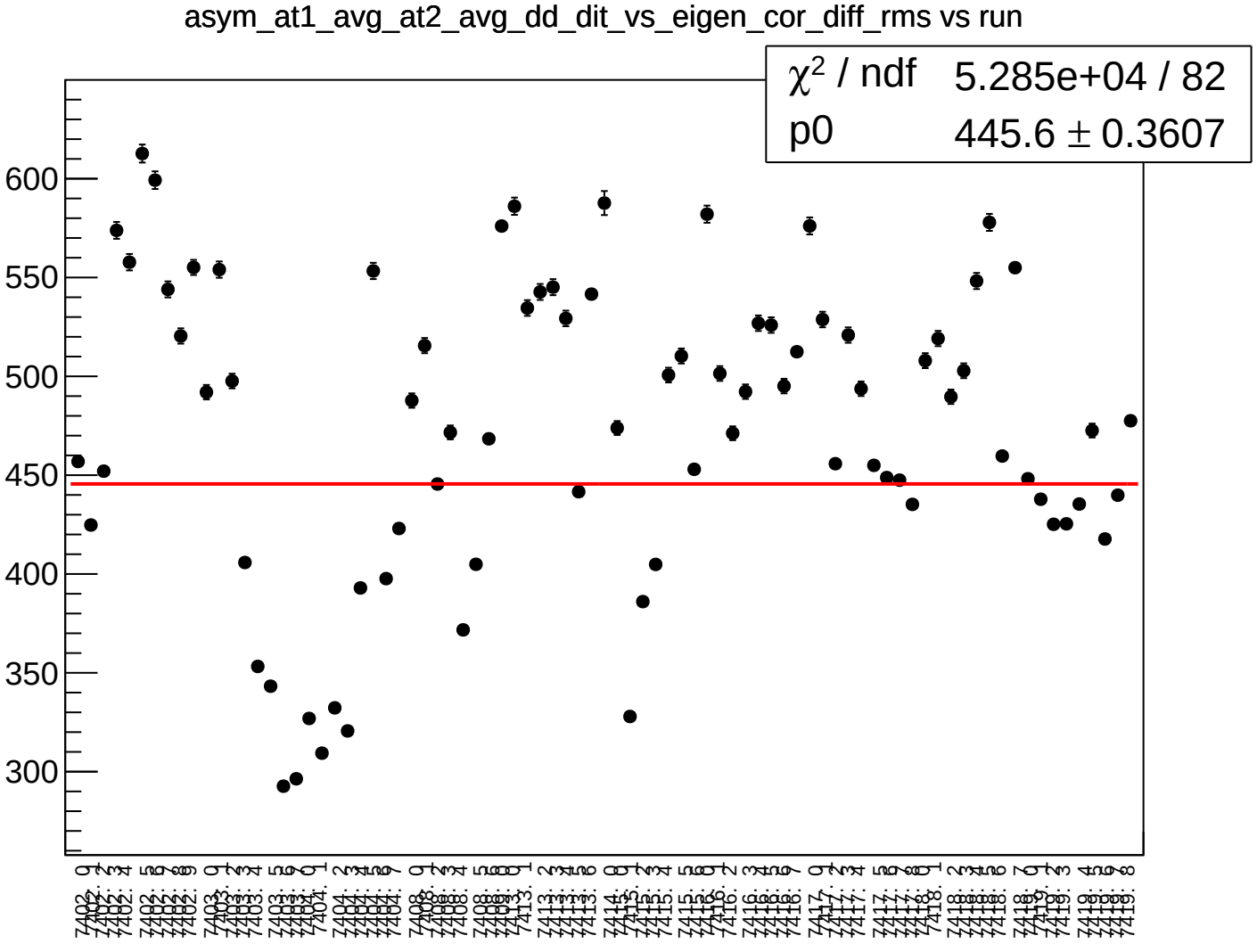

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.41
Std Dev 0

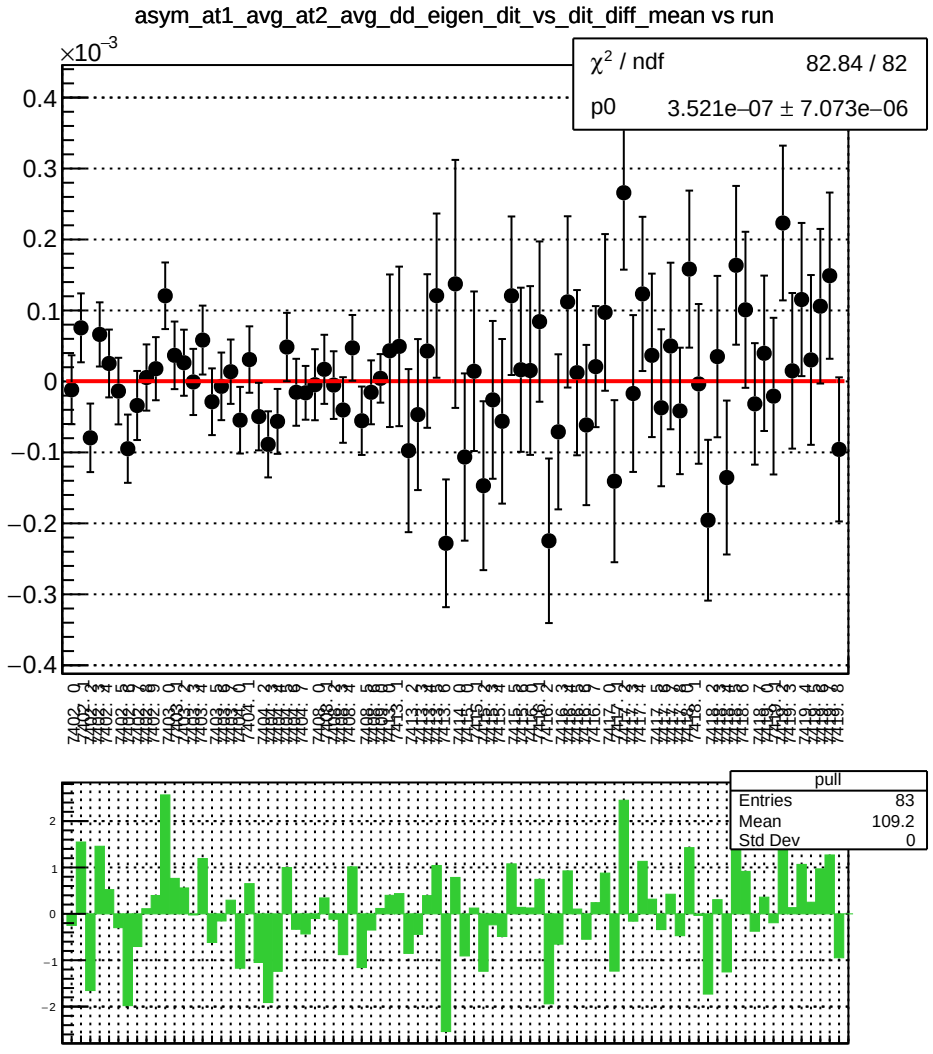

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

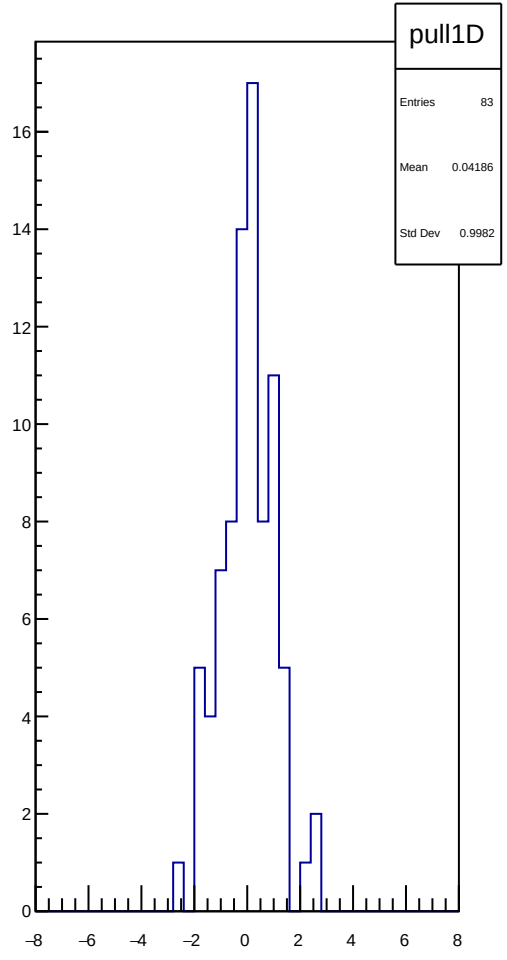

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

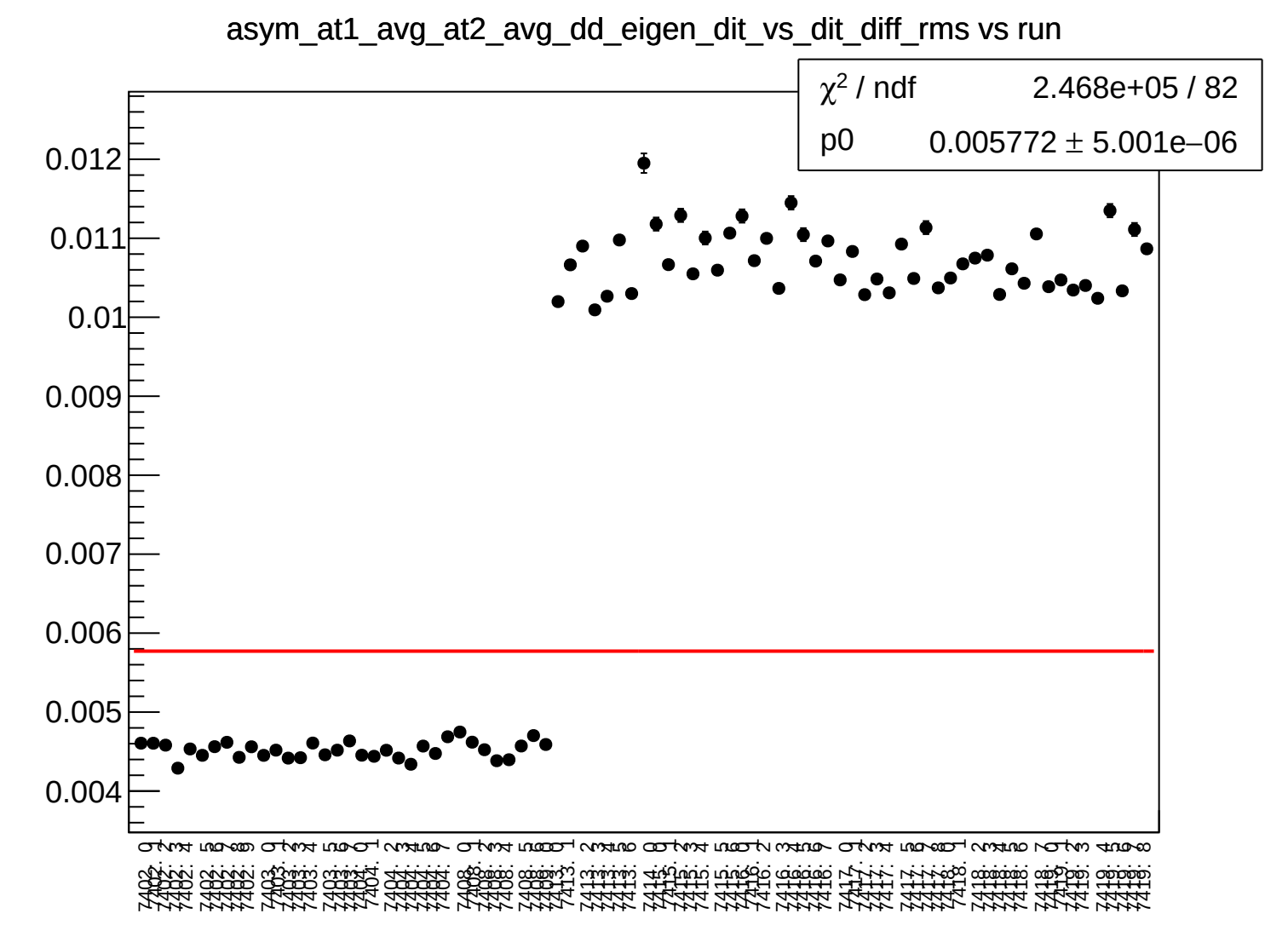

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.41
Std Dev 0

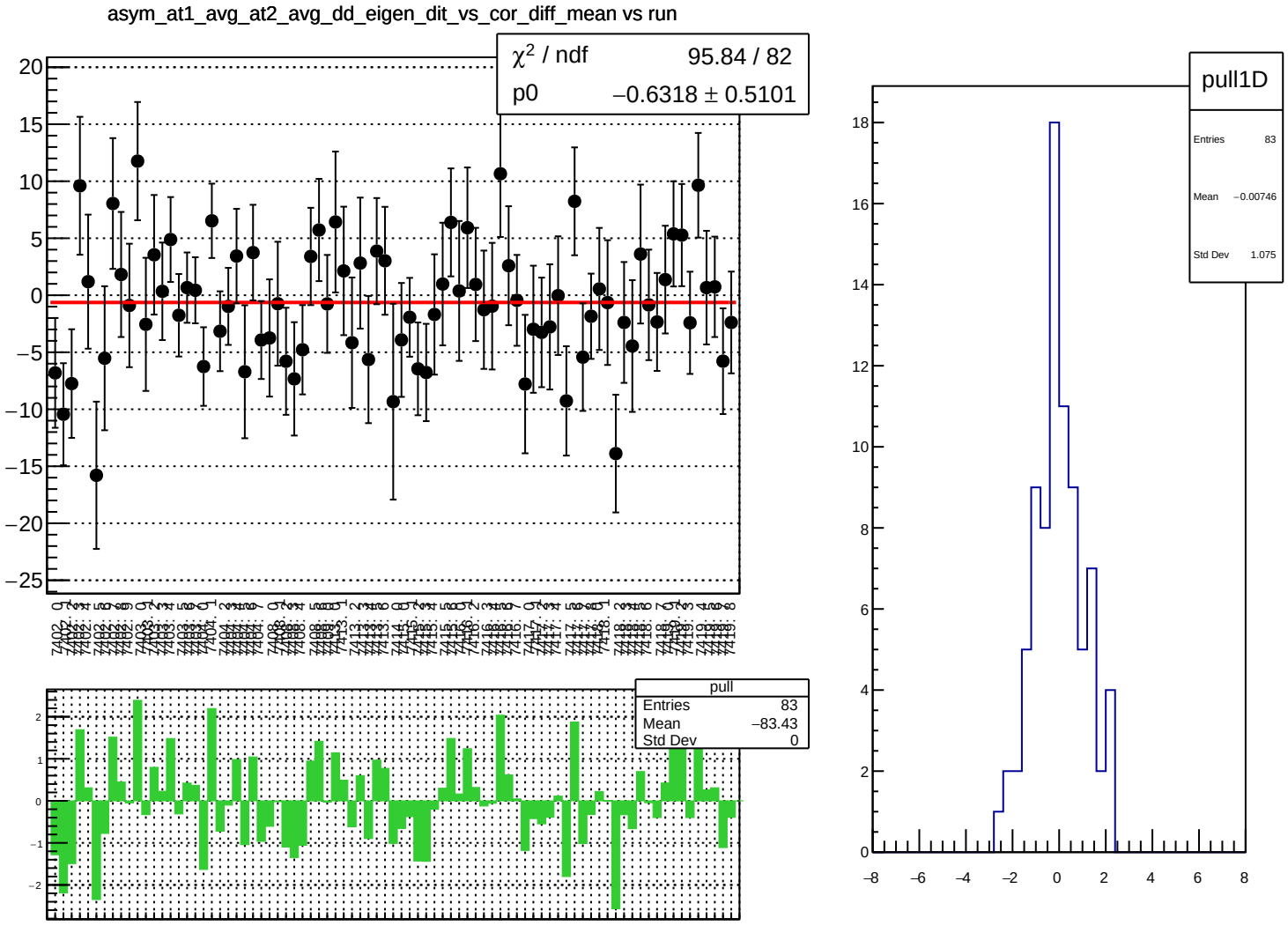

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

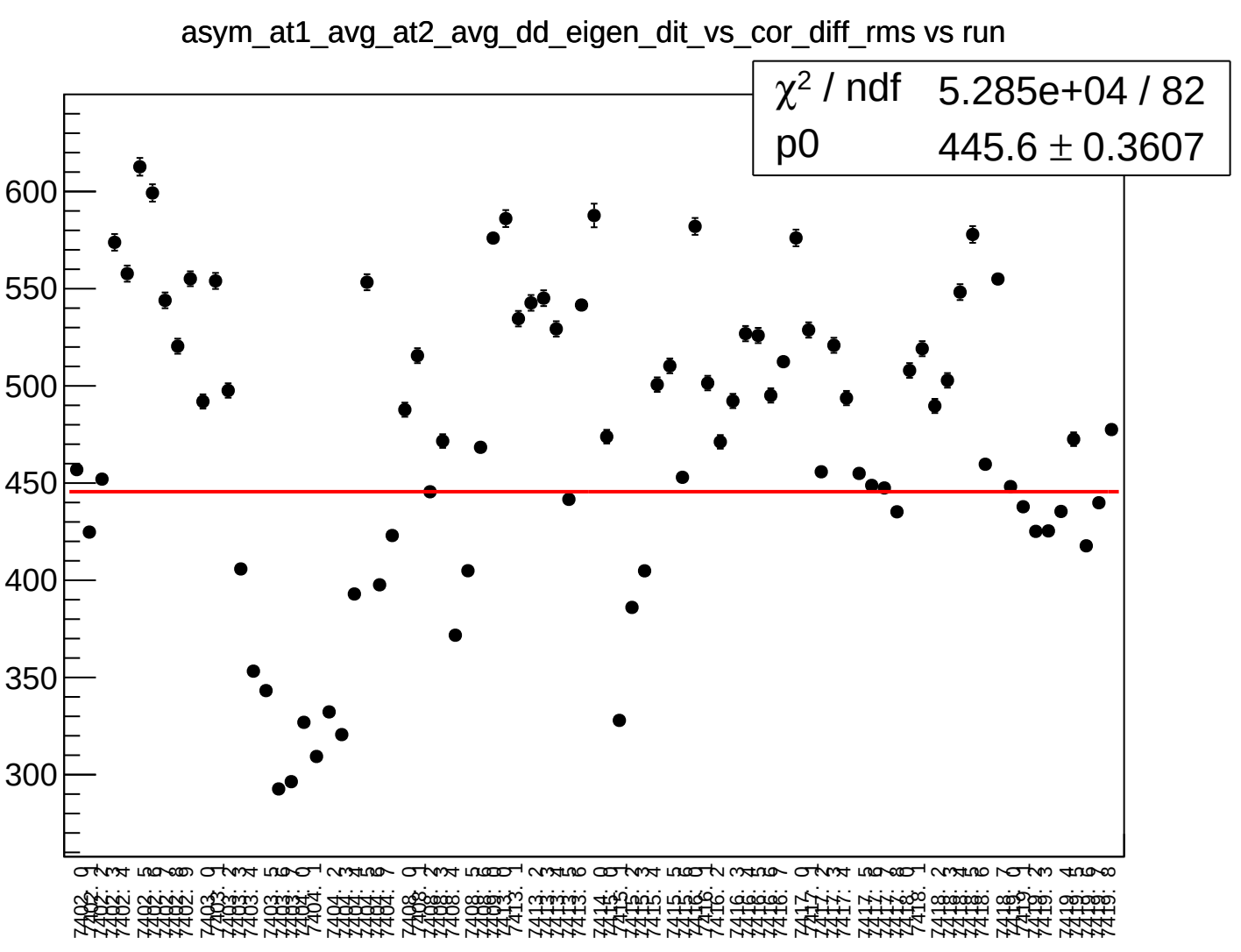

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

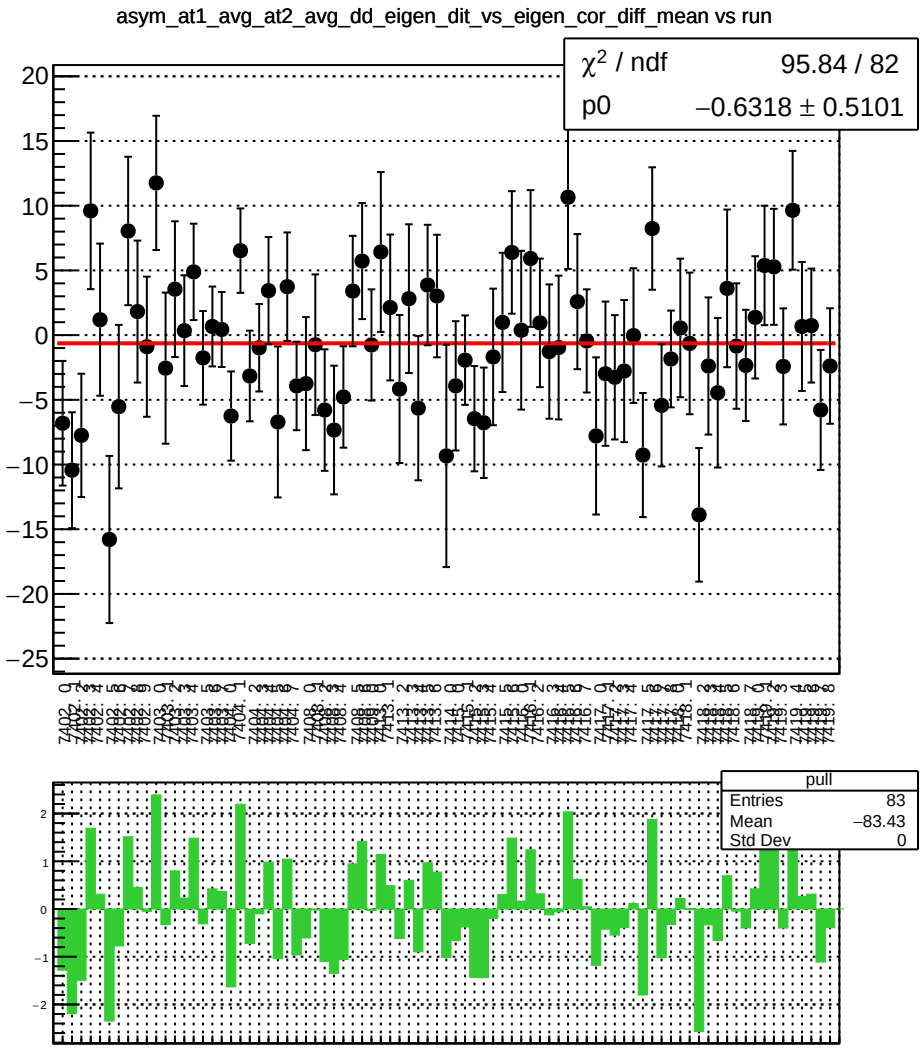

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.84 / 82
p0 3.521e−07 ± 7.073e−06
pull
Entries 83
Mean 109.2
Std Dev 0

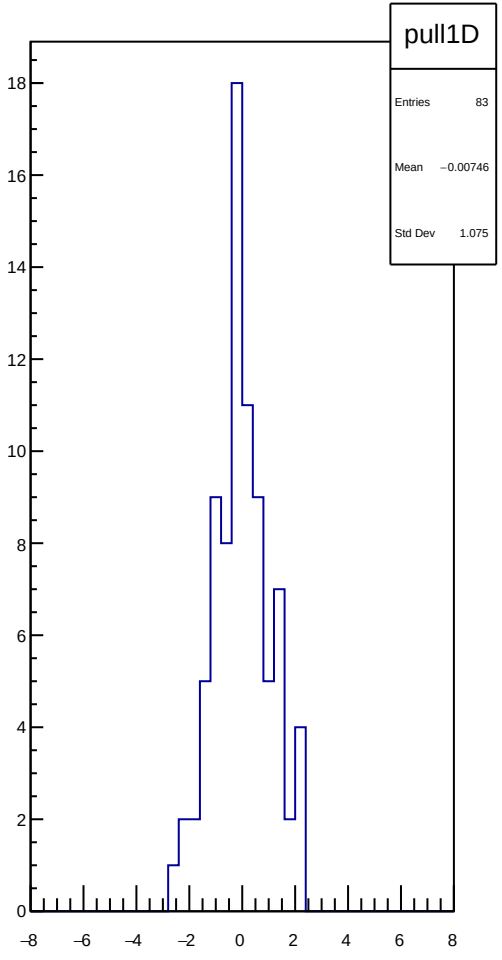

pull1D
Entries 83
Mean 0.04186
Std Dev 0.9982

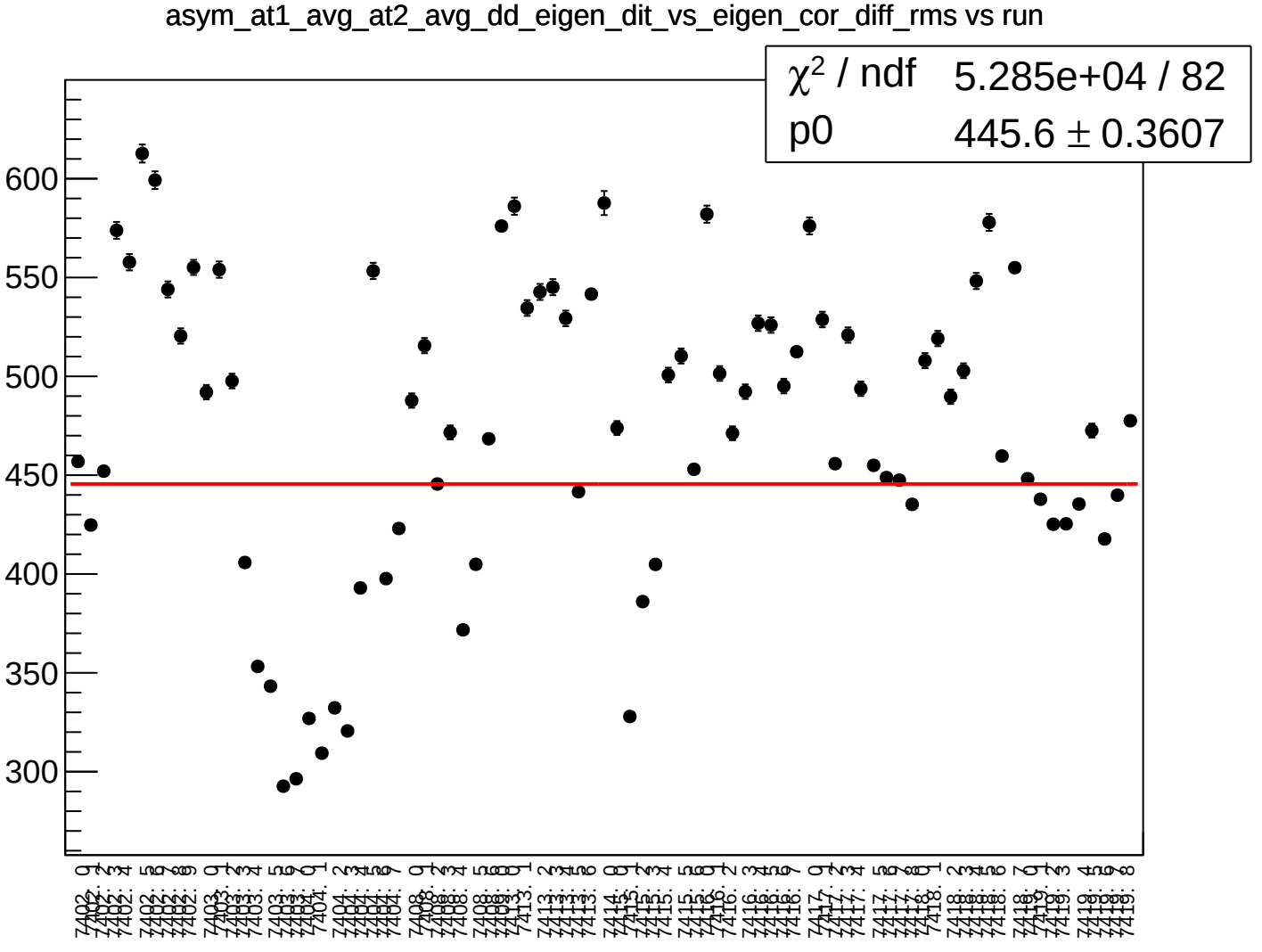

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.468e+05 / 82
p0 0.005772 ± 5.001e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

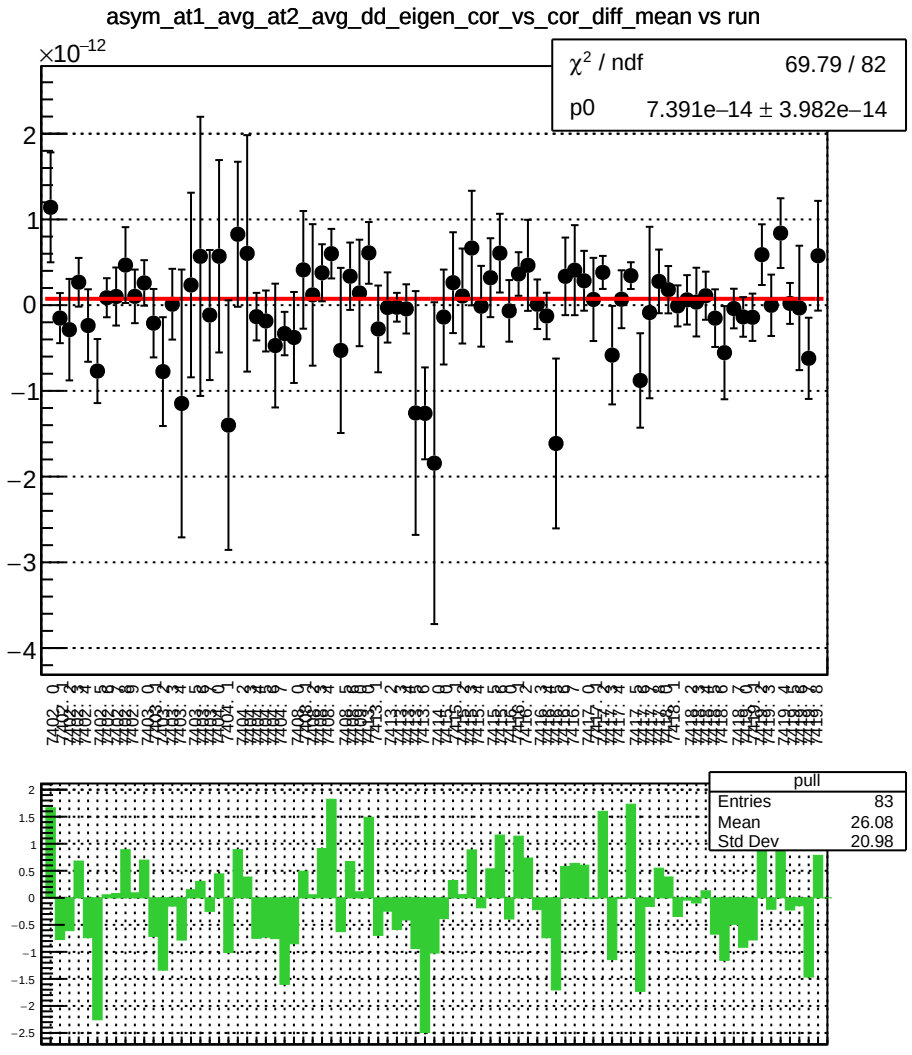

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.43
Std Dev 0
pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

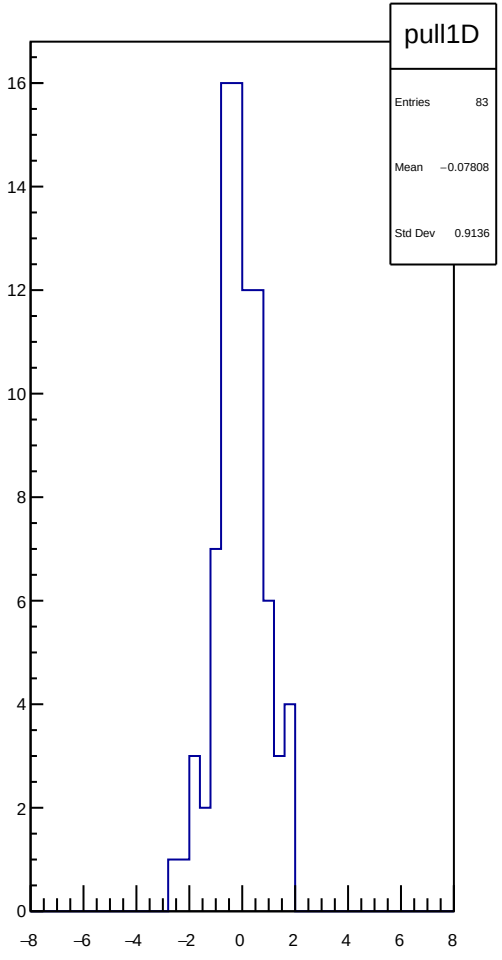

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

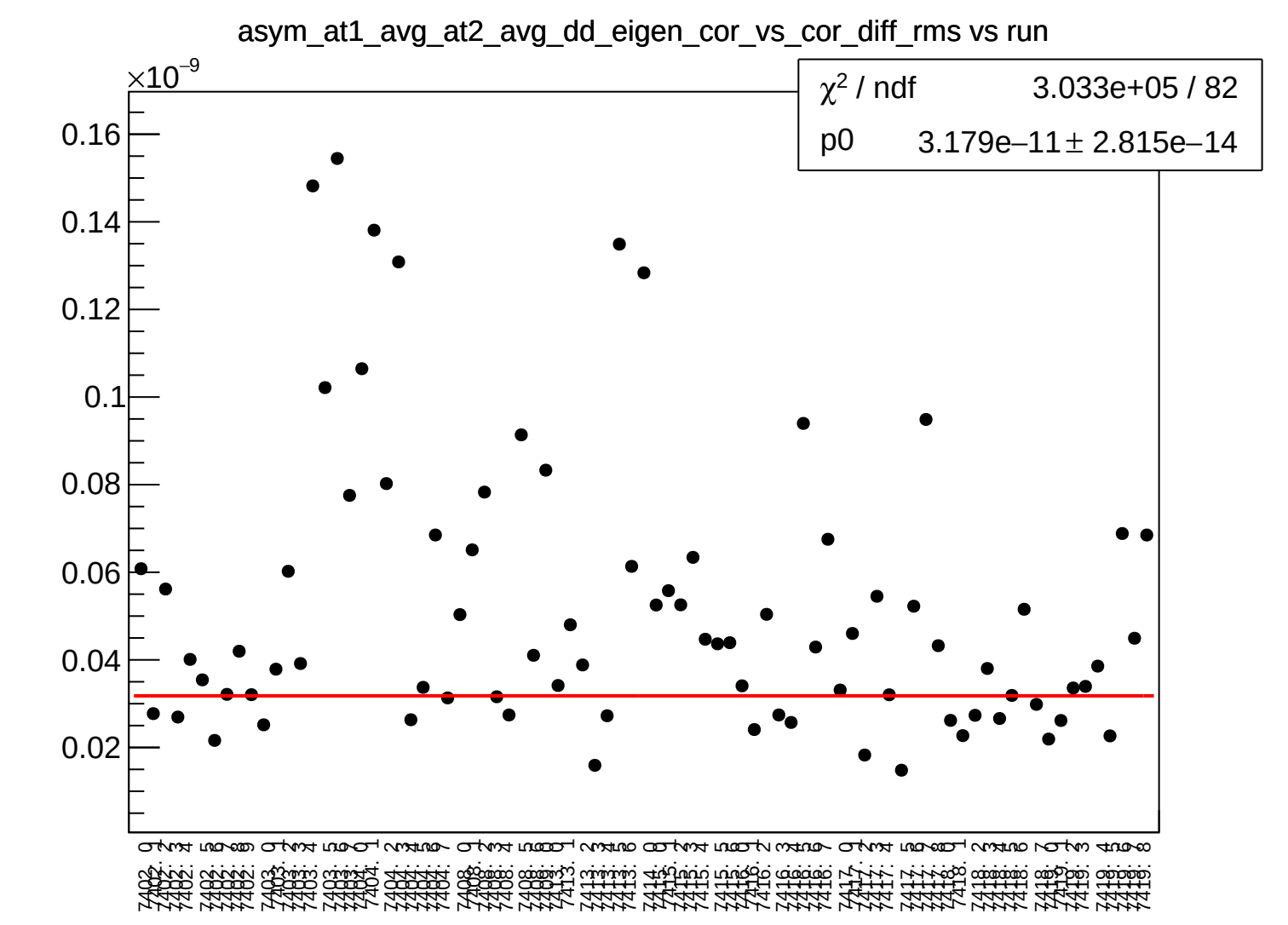

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.43
Std Dev 0

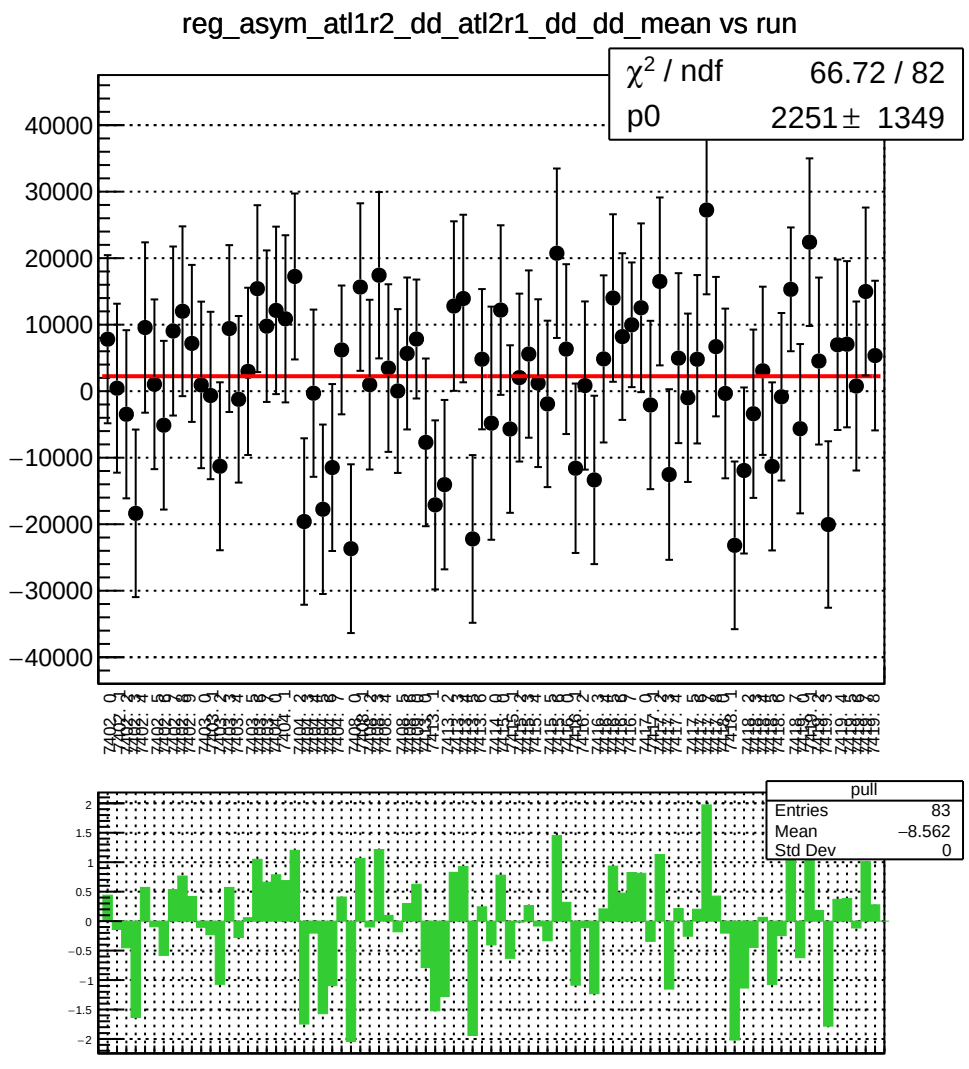

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

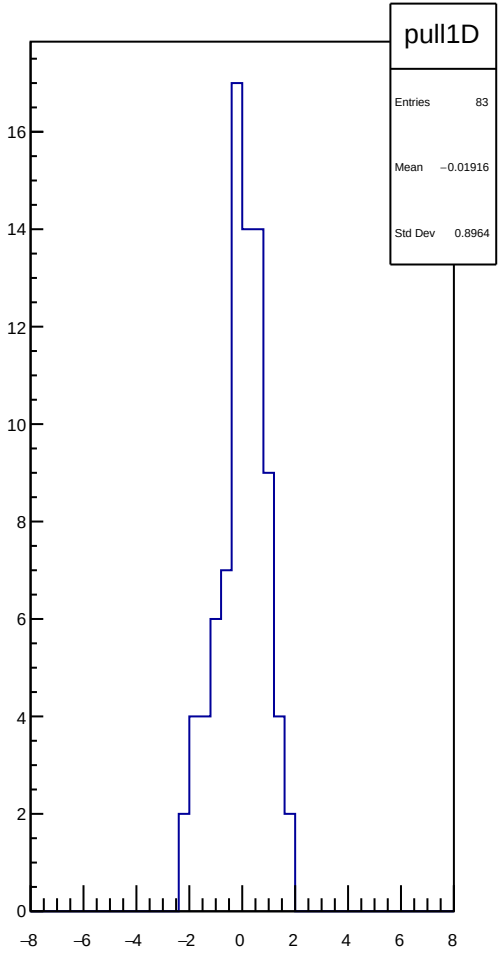

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

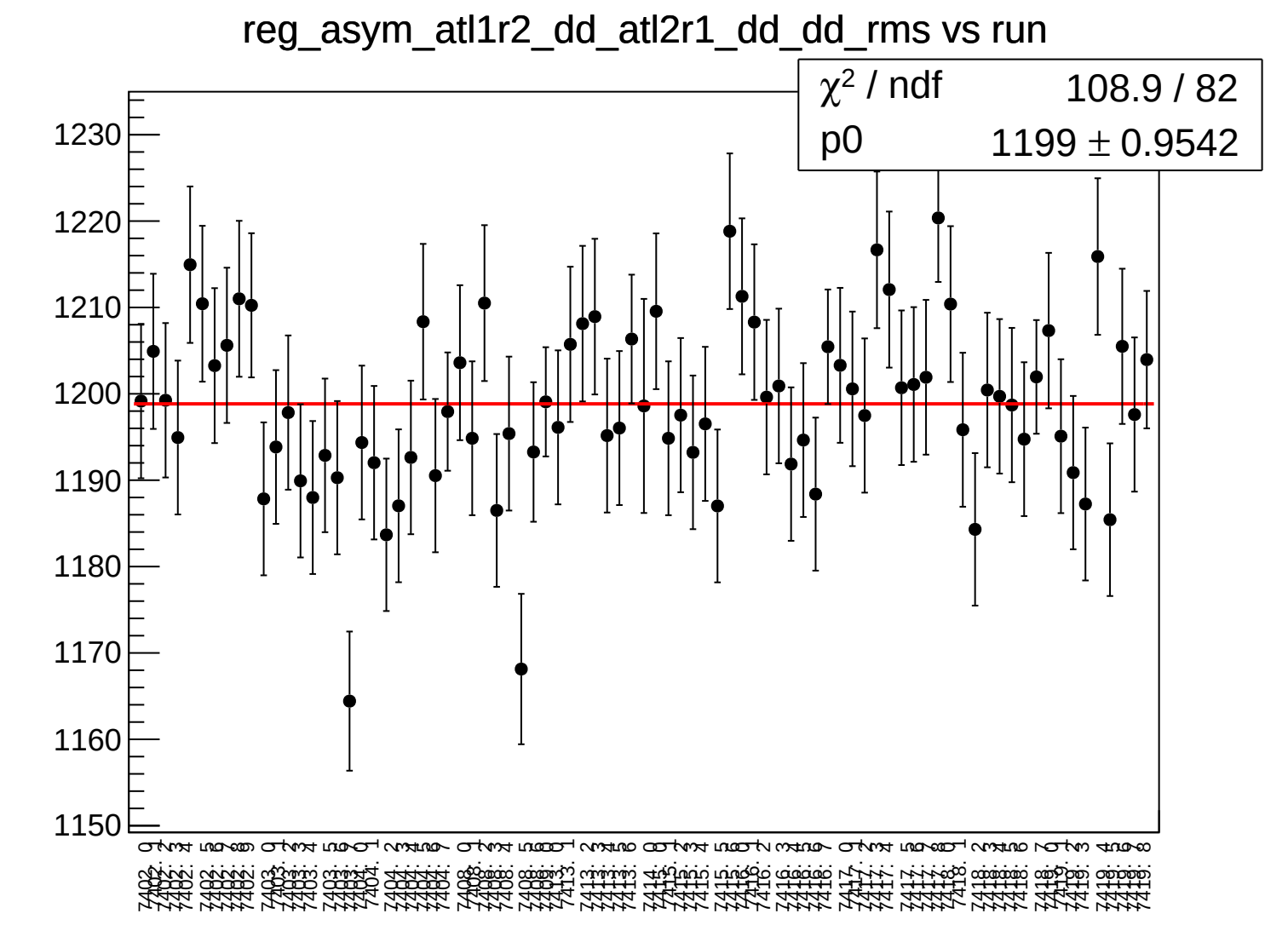

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.79 / 82
p0 7.391e−14 ± 3.982e−14
pull
Entries 83
Mean 26.08
Std Dev 20.98

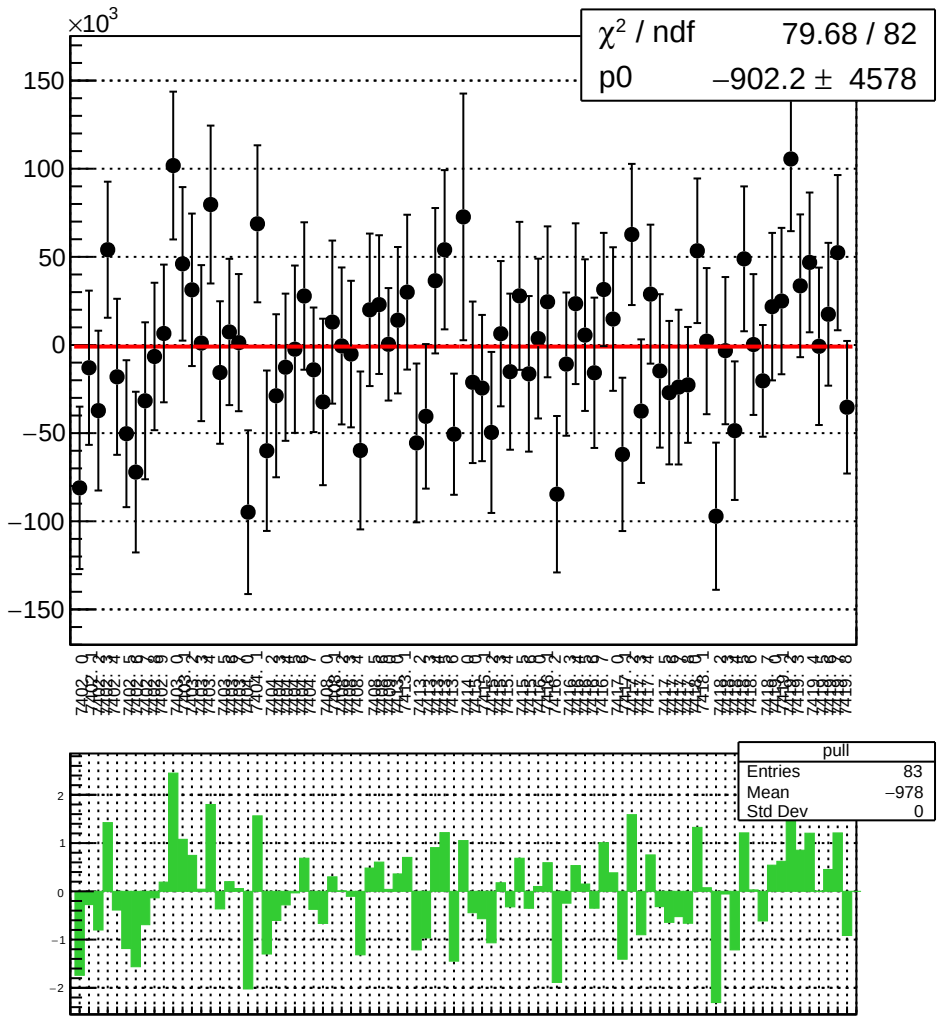

pull1D
Entries 83
Mean −0.07808
Std Dev 0.9136

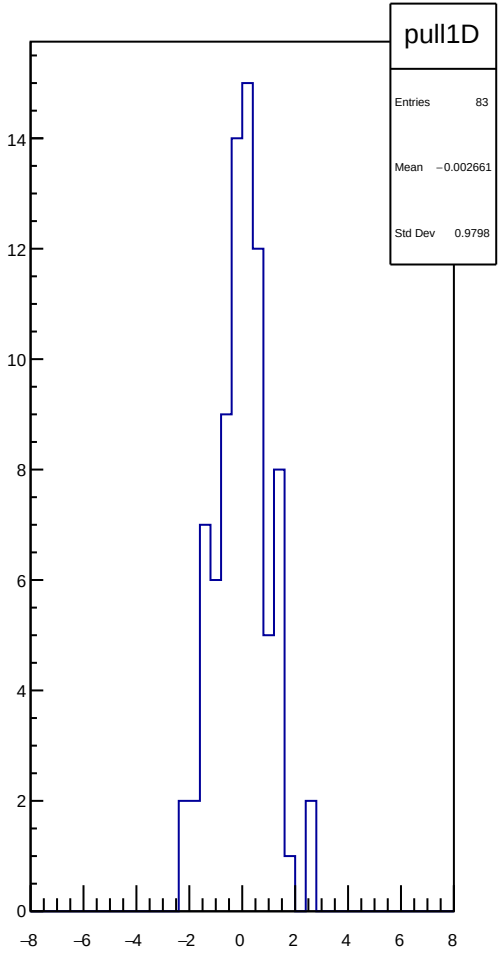

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.033e+05 / 82
p0 3.179e−11 ± 2.815e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

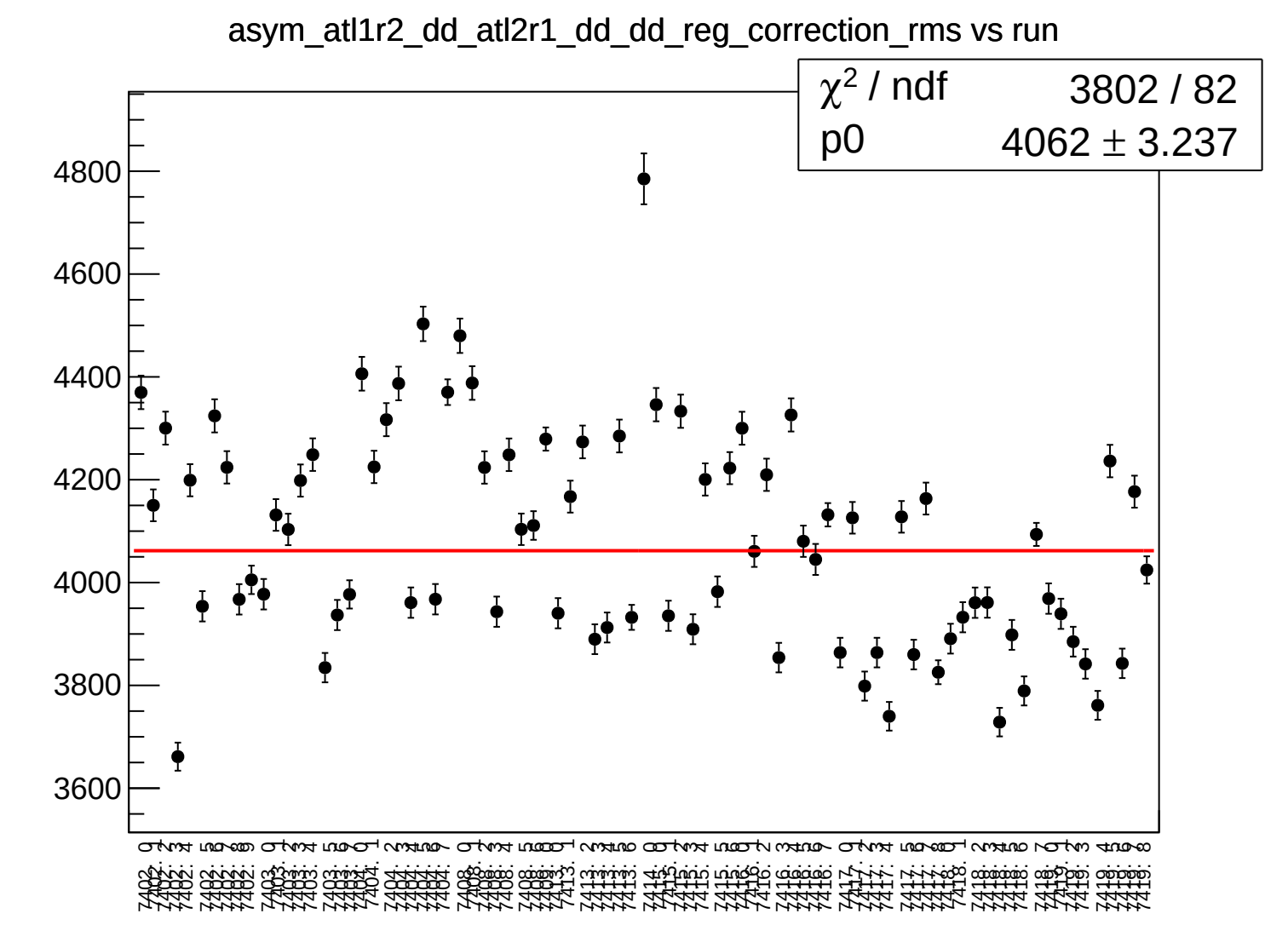

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 66.72 / 82
p0 2251 ± 1349
pull
Entries 83
Mean −8.562
Std Dev 0

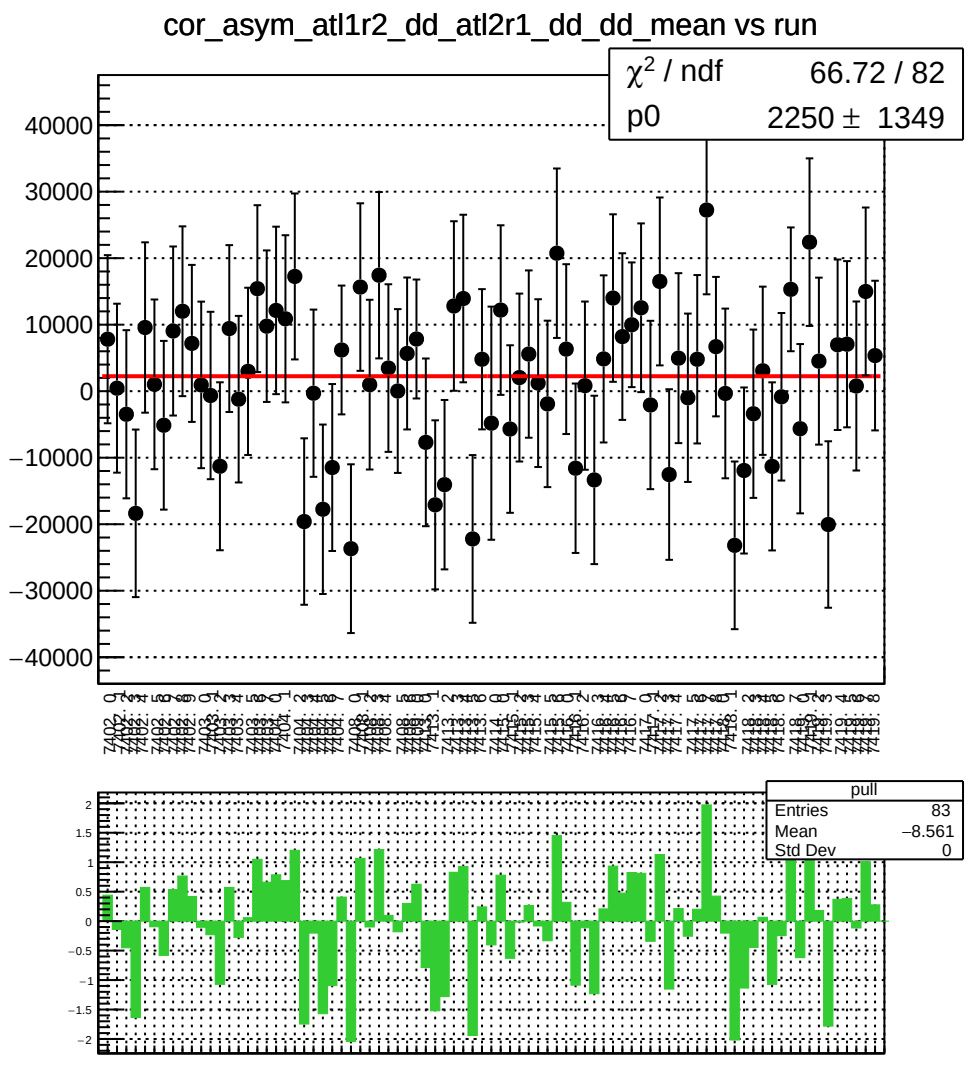

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964

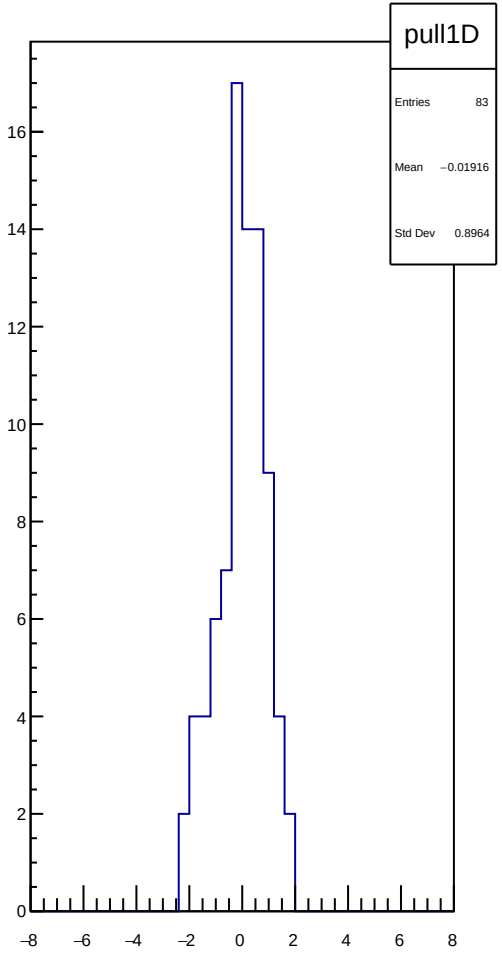

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

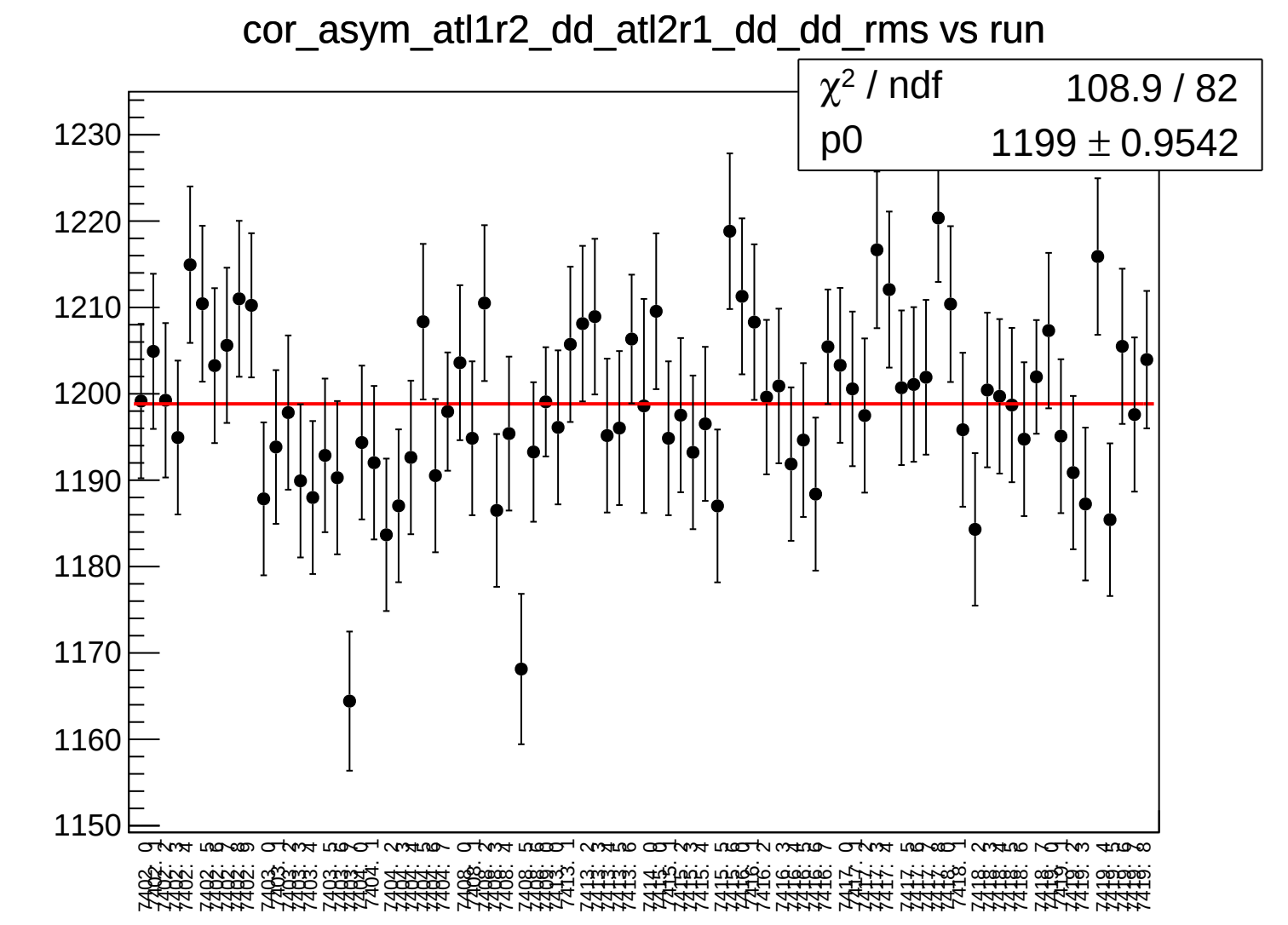

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −978
Std Dev 0
2
1
0
−1
−2

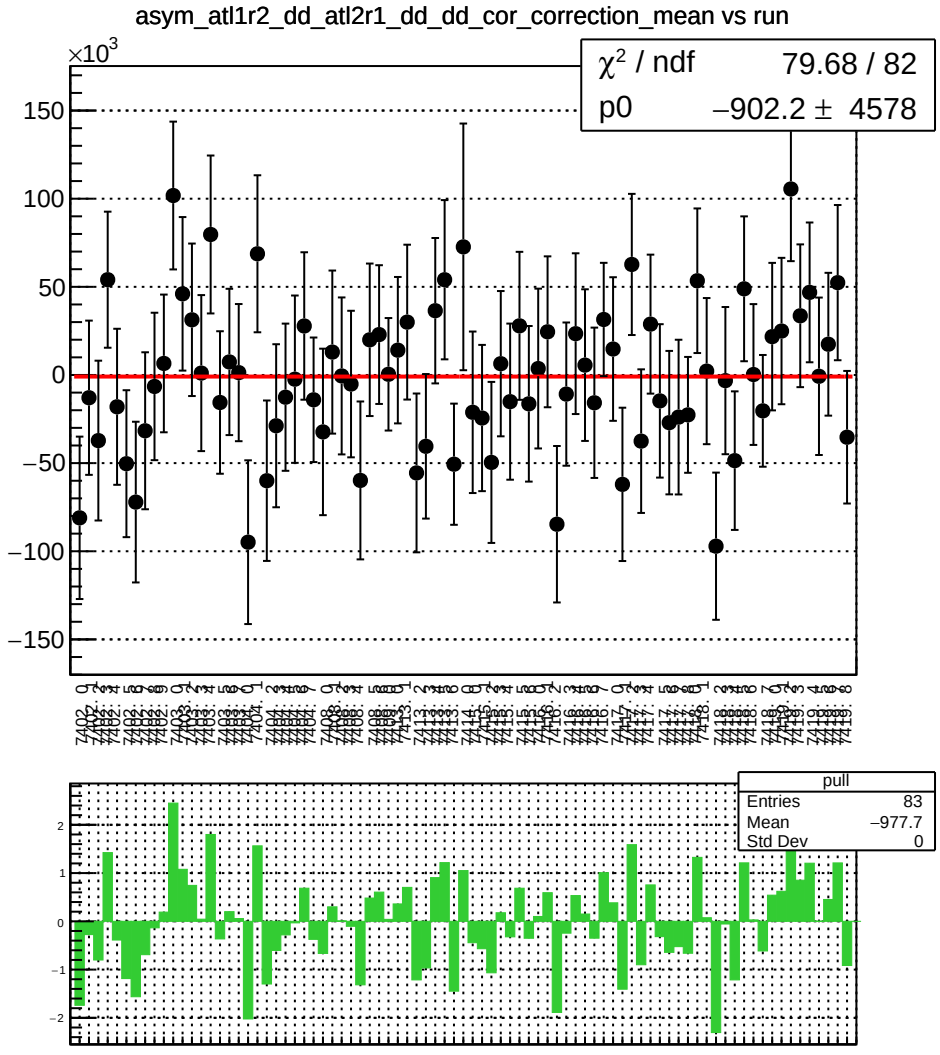

pull1D
Entries 83
Mean −0.002661
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

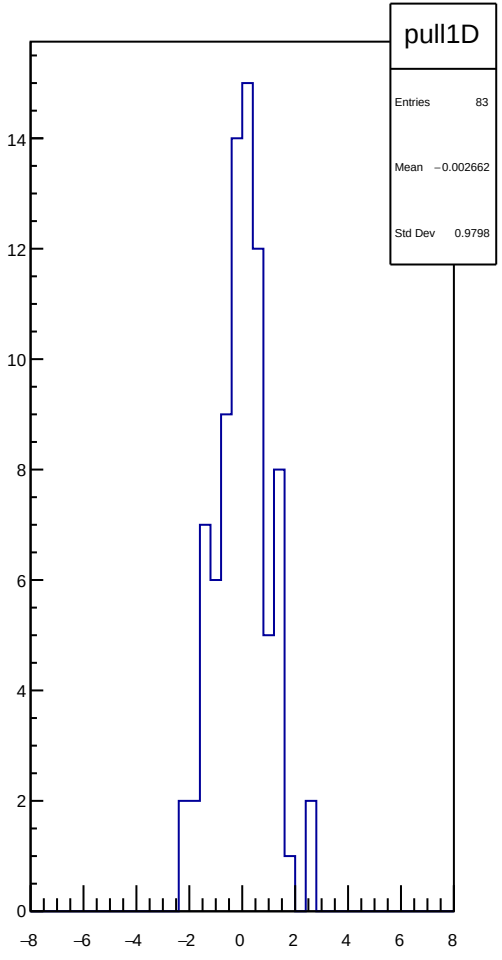

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 3802 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

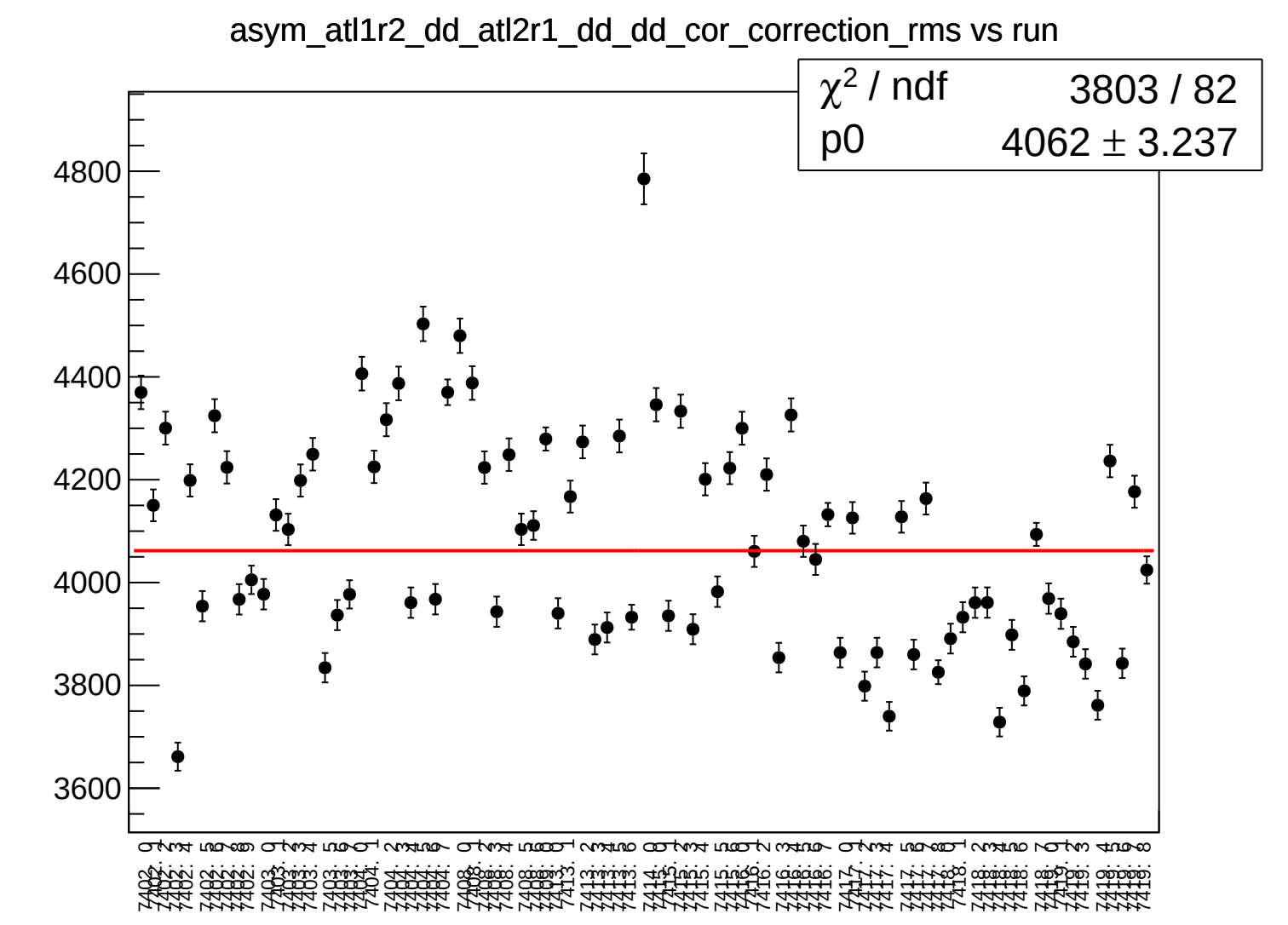

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 66.72 / 82
p0 2250 ± 1349
pull
Entries 83
Mean −8.561
Std Dev 0

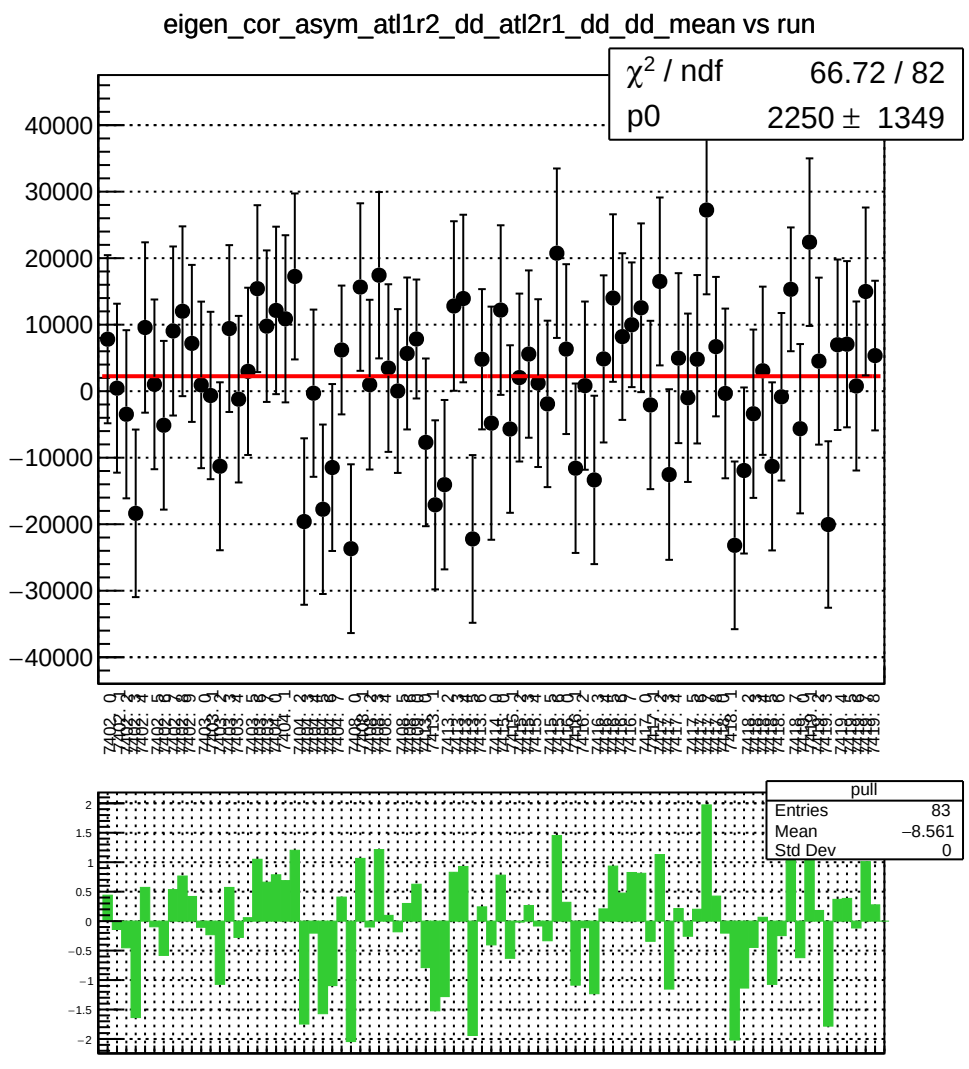

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964

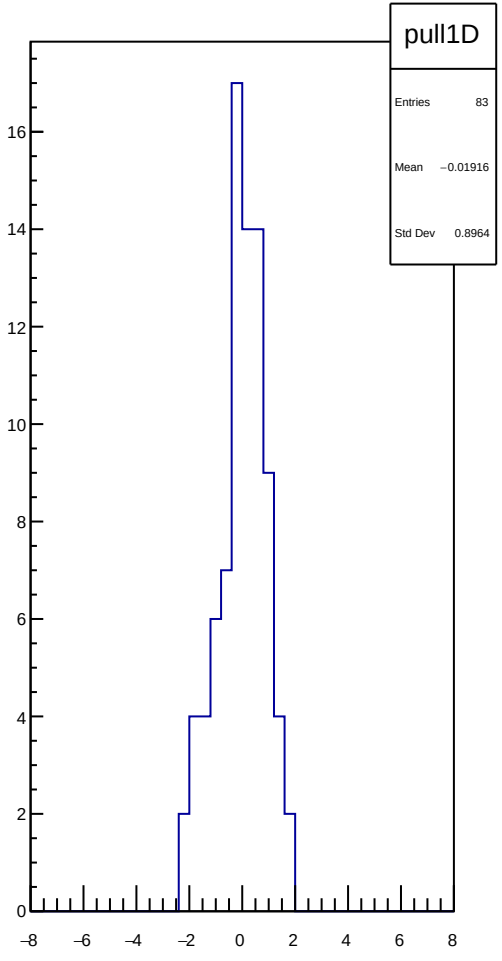

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

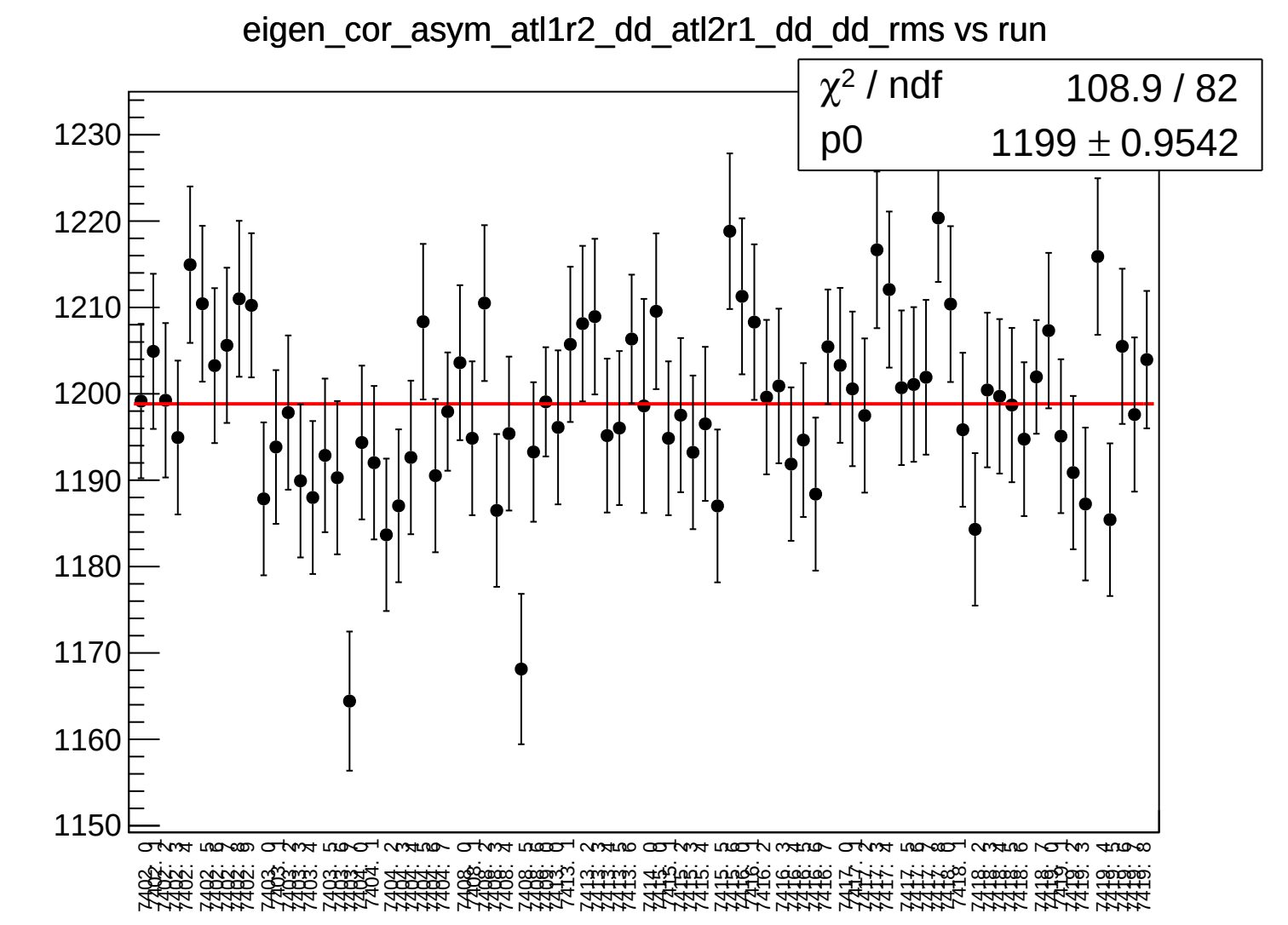

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −977.7
Std Dev 0
2
1
0
−1
−2

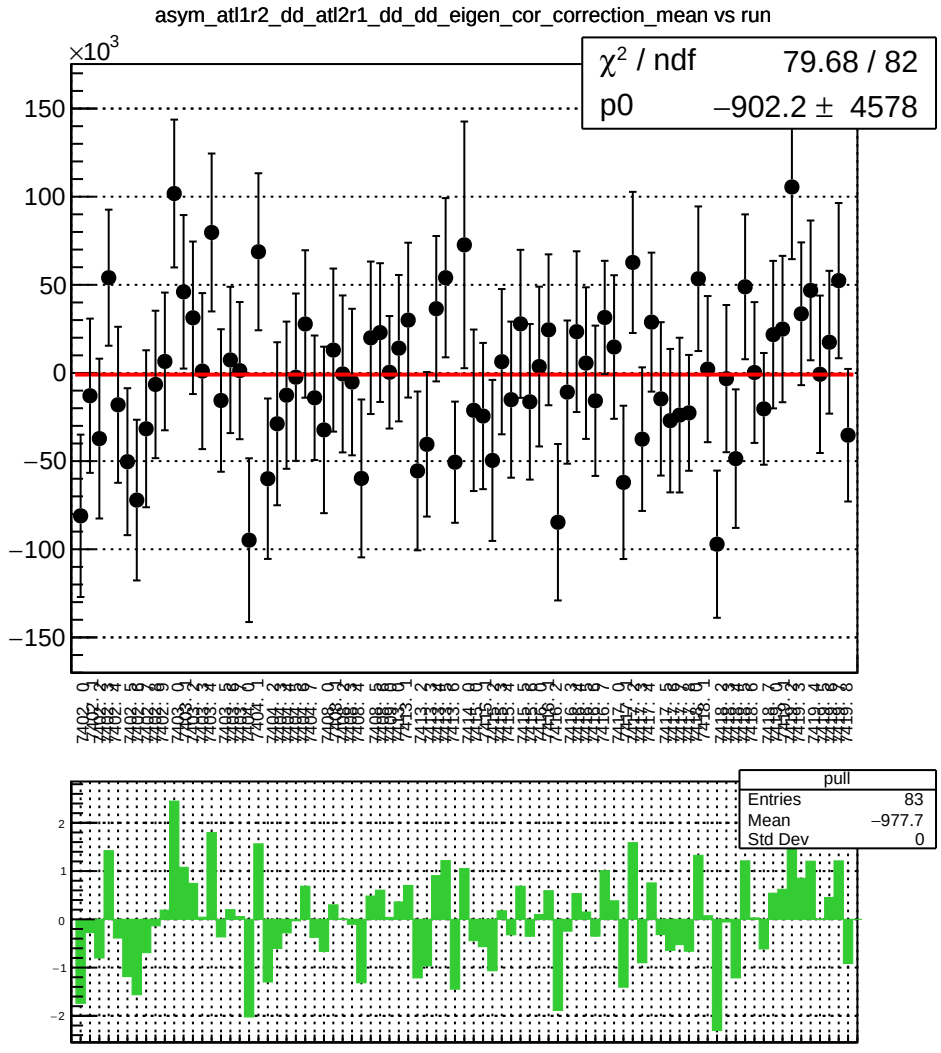

pull1D
Entries 83
Mean −0.002662
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

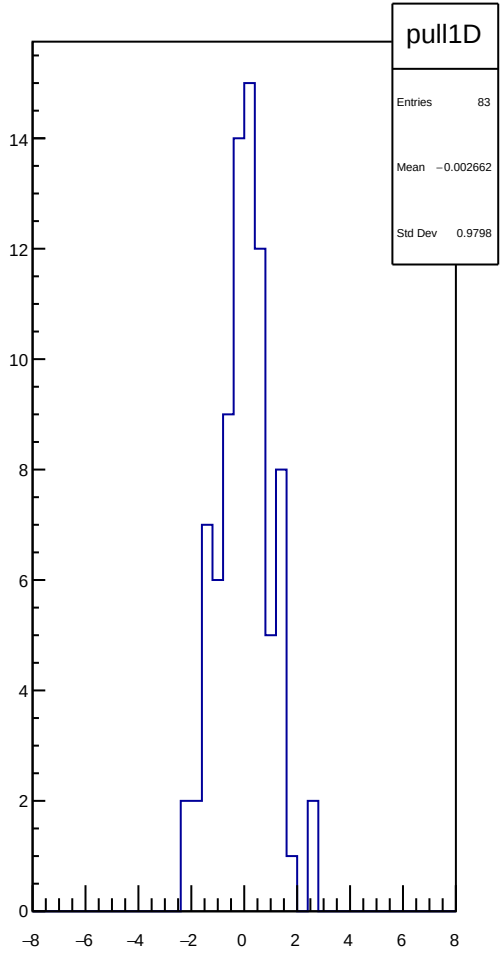

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 3803 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

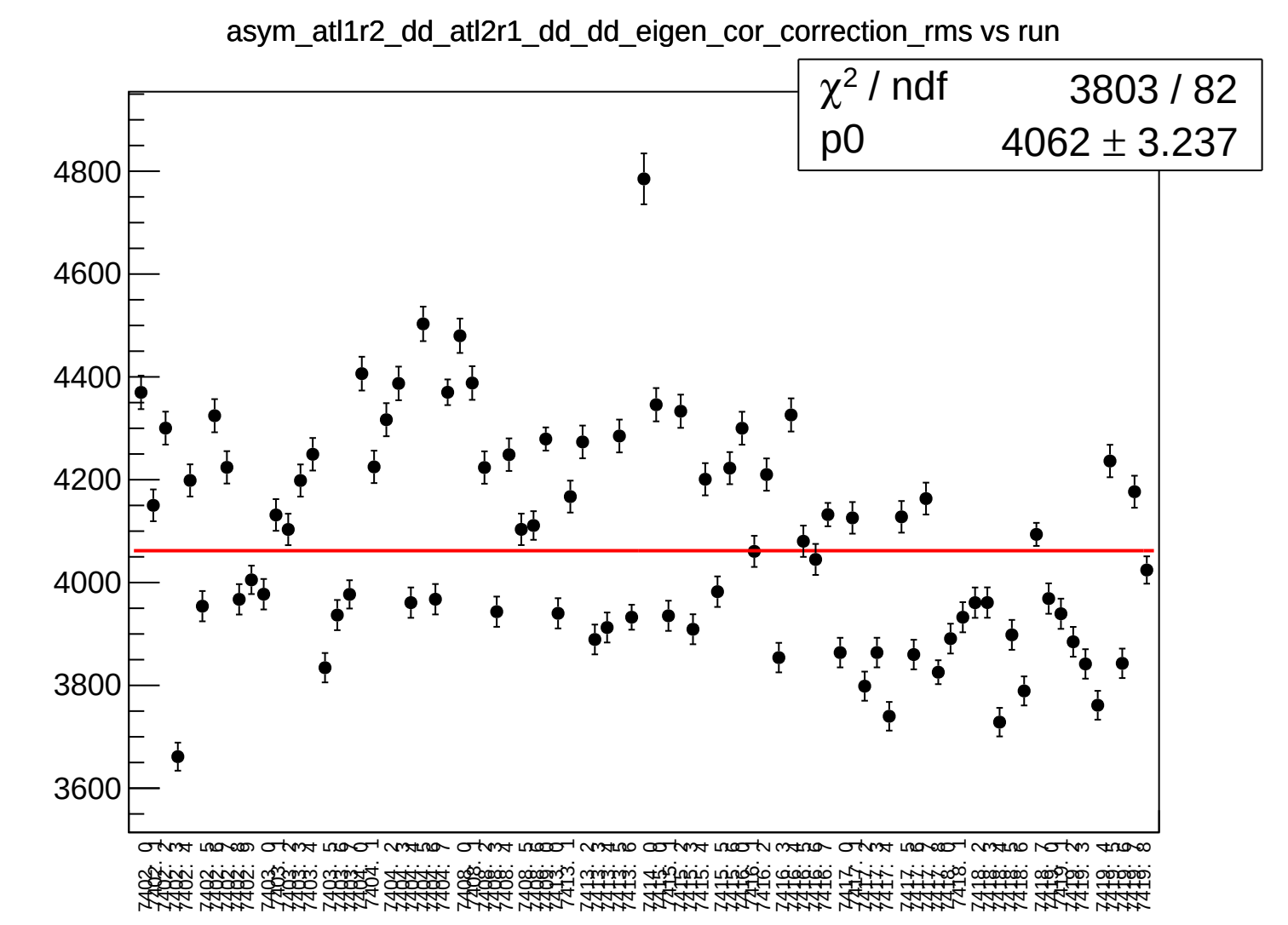

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 66.72 / 82
p0 2250 ± 1349
pull
Entries 83
Mean −8.561
Std Dev 0

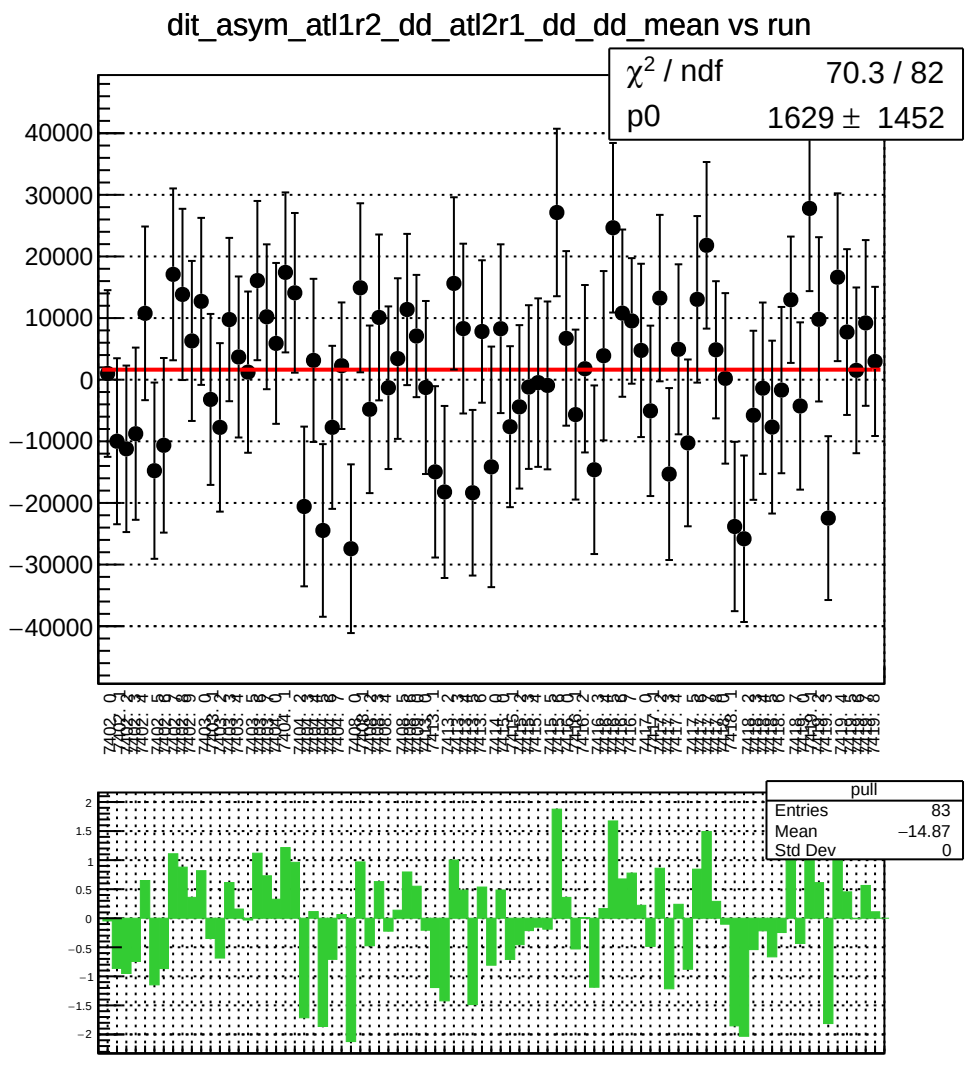

pull1D
Entries 83
Mean −0.01916
Std Dev 0.8964

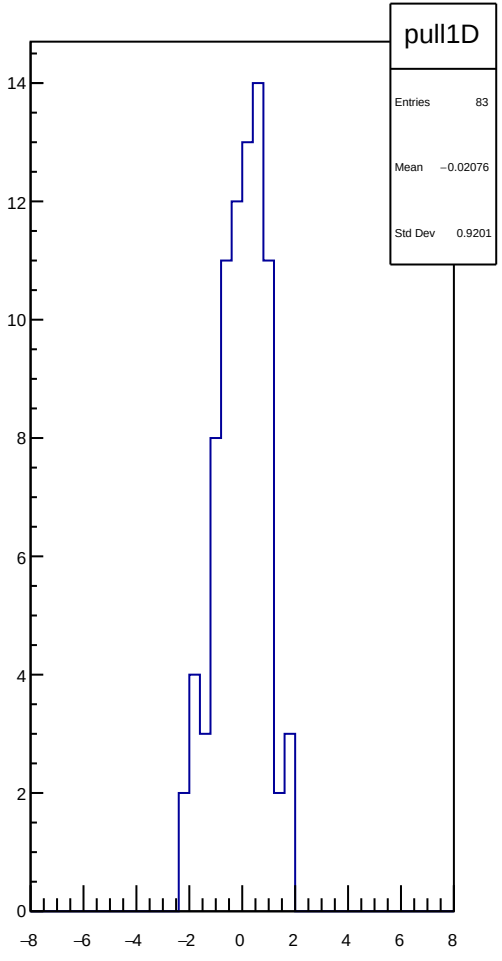

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 108.9 / 82
p0 1199 ± 0.9542
1230
1220
1210
1200
1190
1180
1170
1160
1150

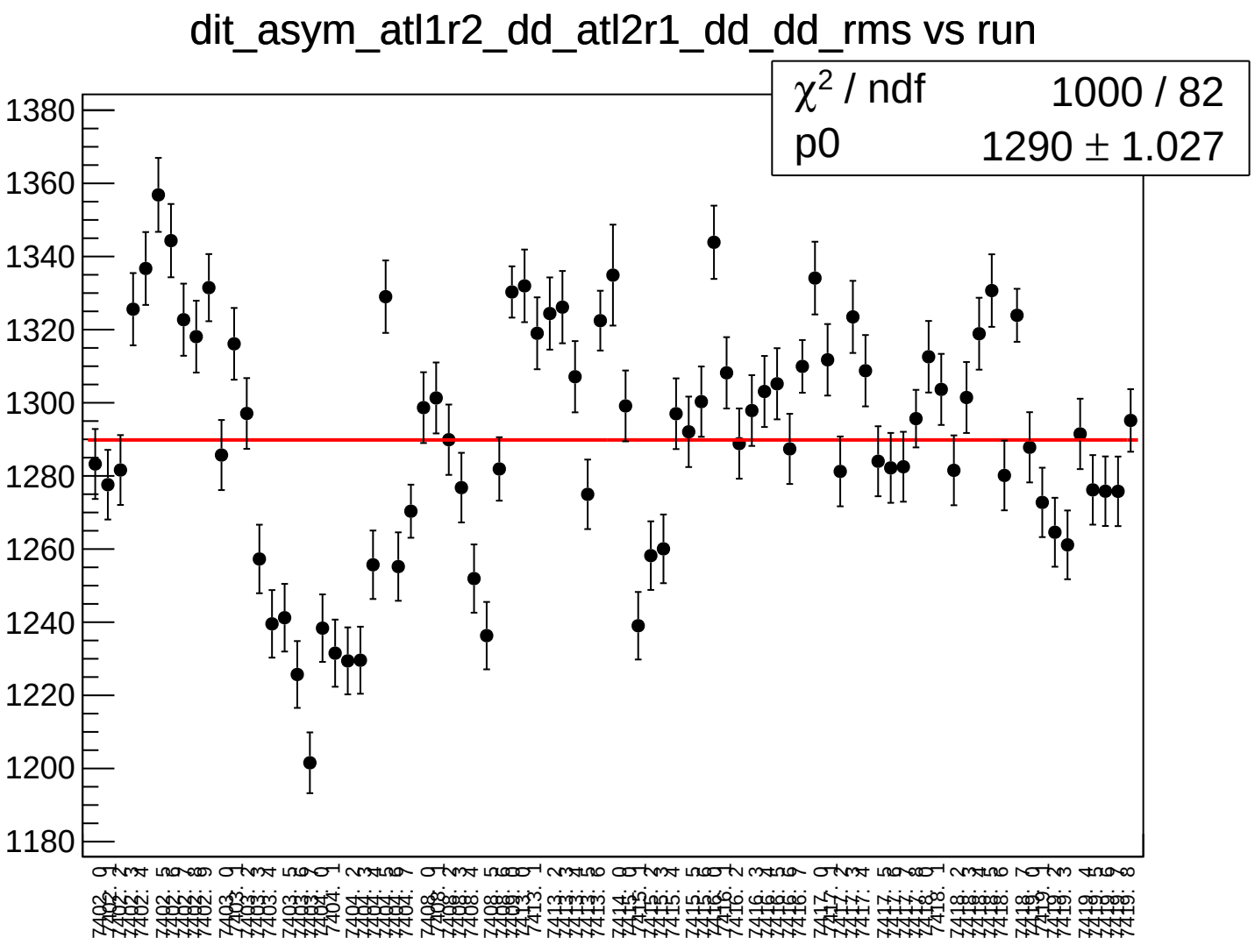

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.68 / 82
p0 −902.2 ± 4578
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −977.7
Std Dev 0
2
1
0
−1
−2

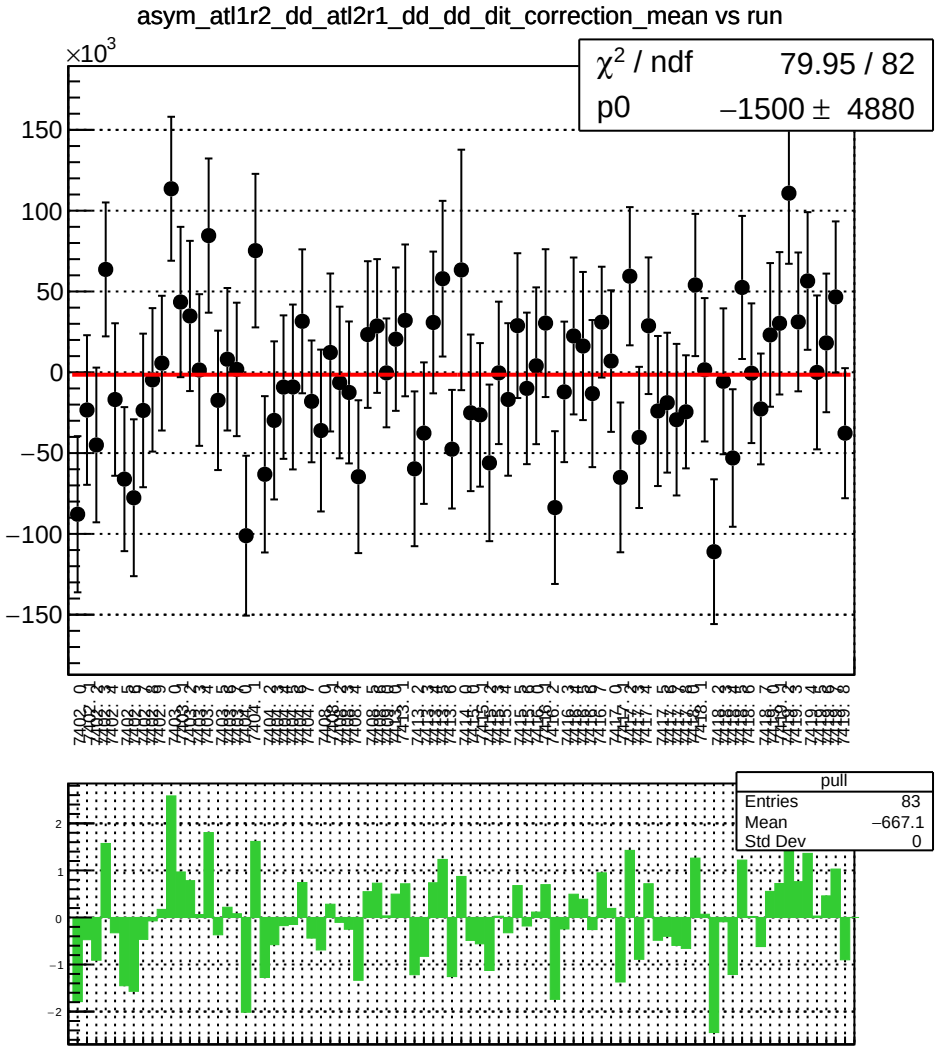

pull1D
Entries 83
Mean −0.002662
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

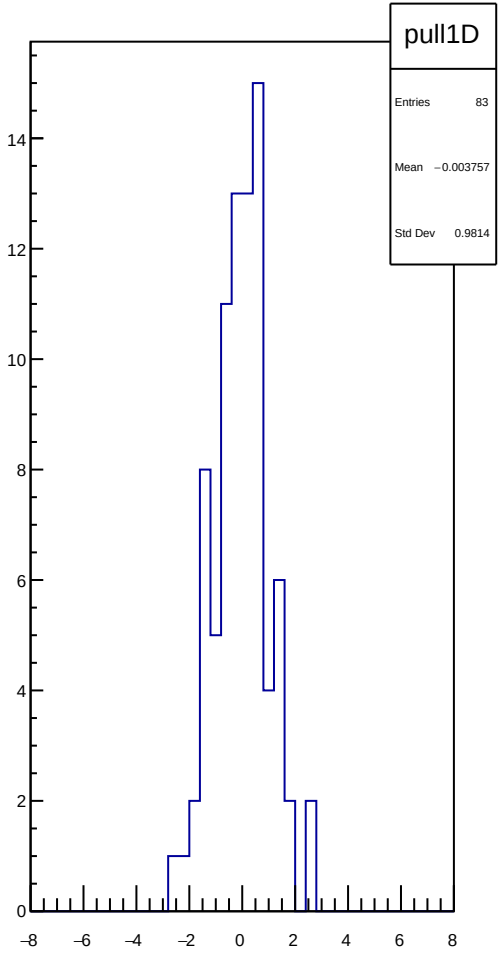

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3803 / 82
p0 4062 ± 3.237
4800
4600
4400
4200
4000
3800
3600

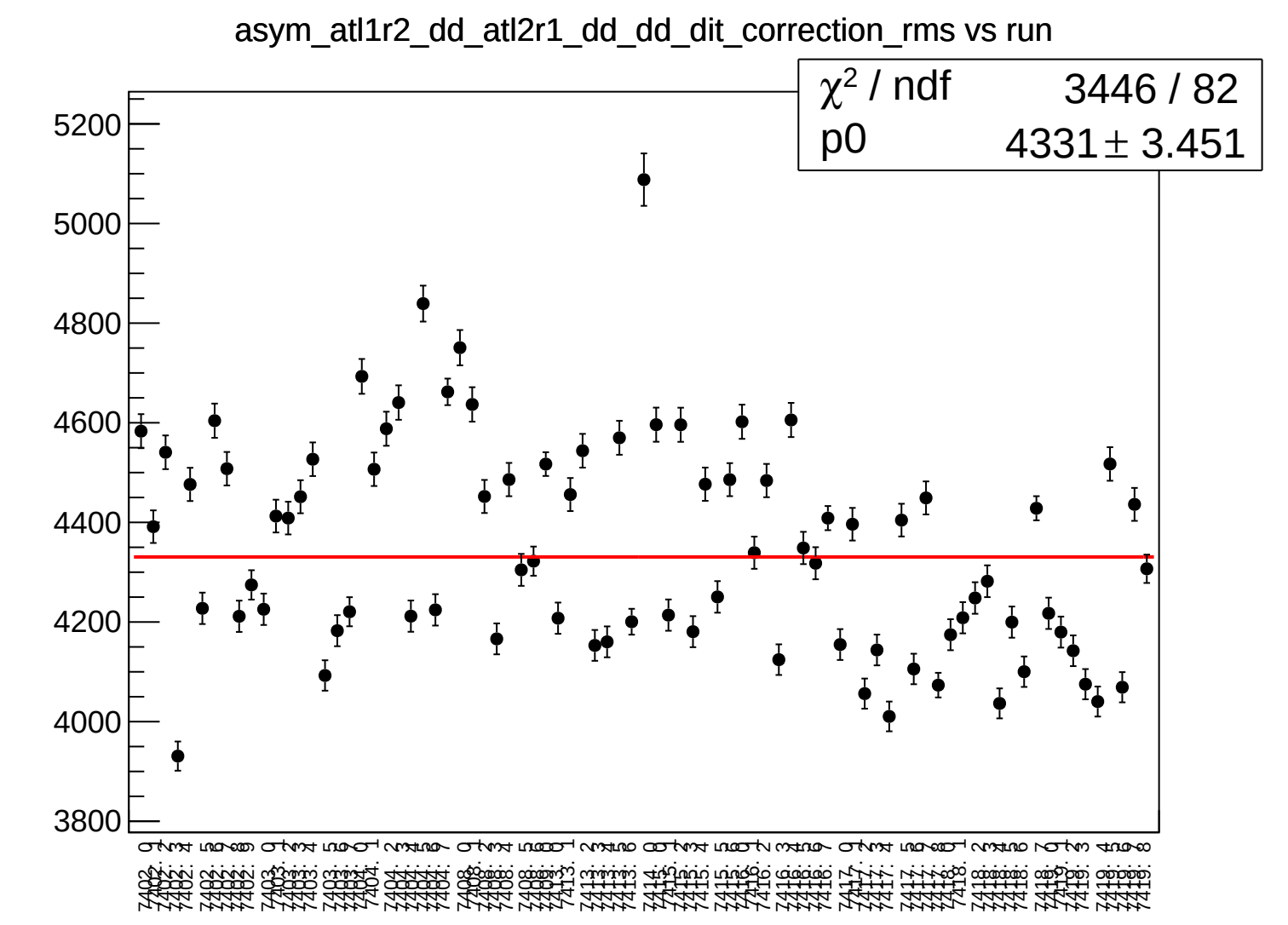

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 70.3 / 82
p0 1629 ± 1452
pull
Entries 83
Mean −14.87
Std Dev 0

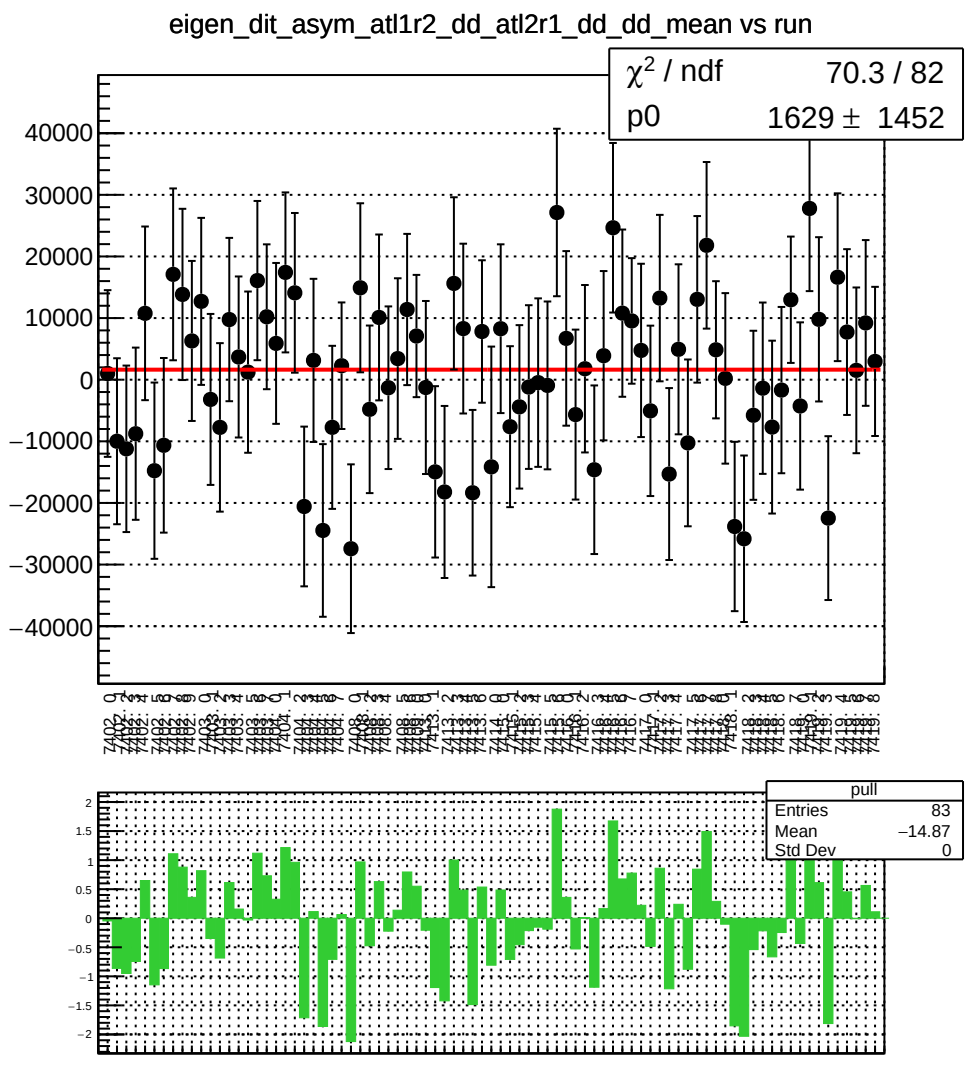

pull1D
Entries 83
Mean −0.02076
Std Dev 0.9201

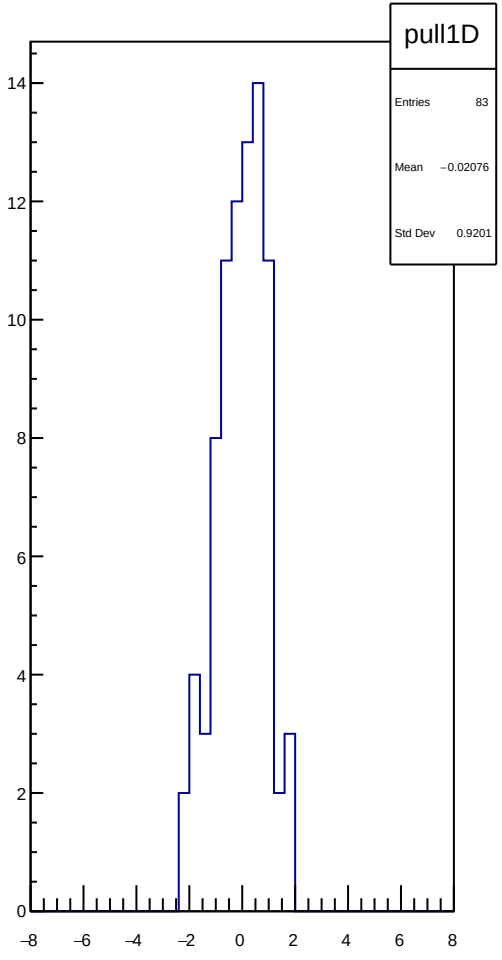

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1000 / 82
p0 1290 ± 1.027
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

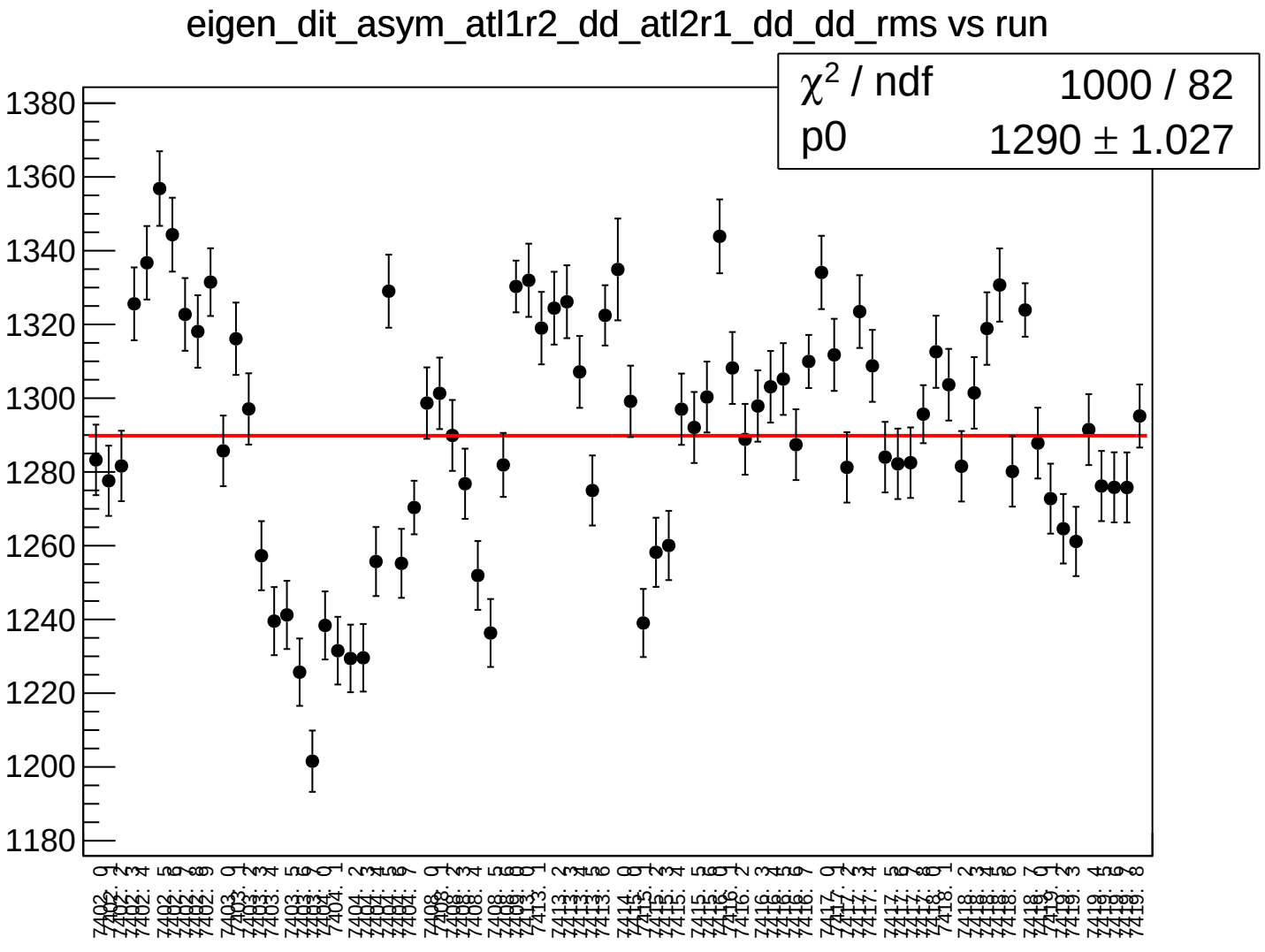

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 79.95 / 82
p0 −1500 ± 4880
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −667.1
Std Dev 0
2
1
0
−1
−2

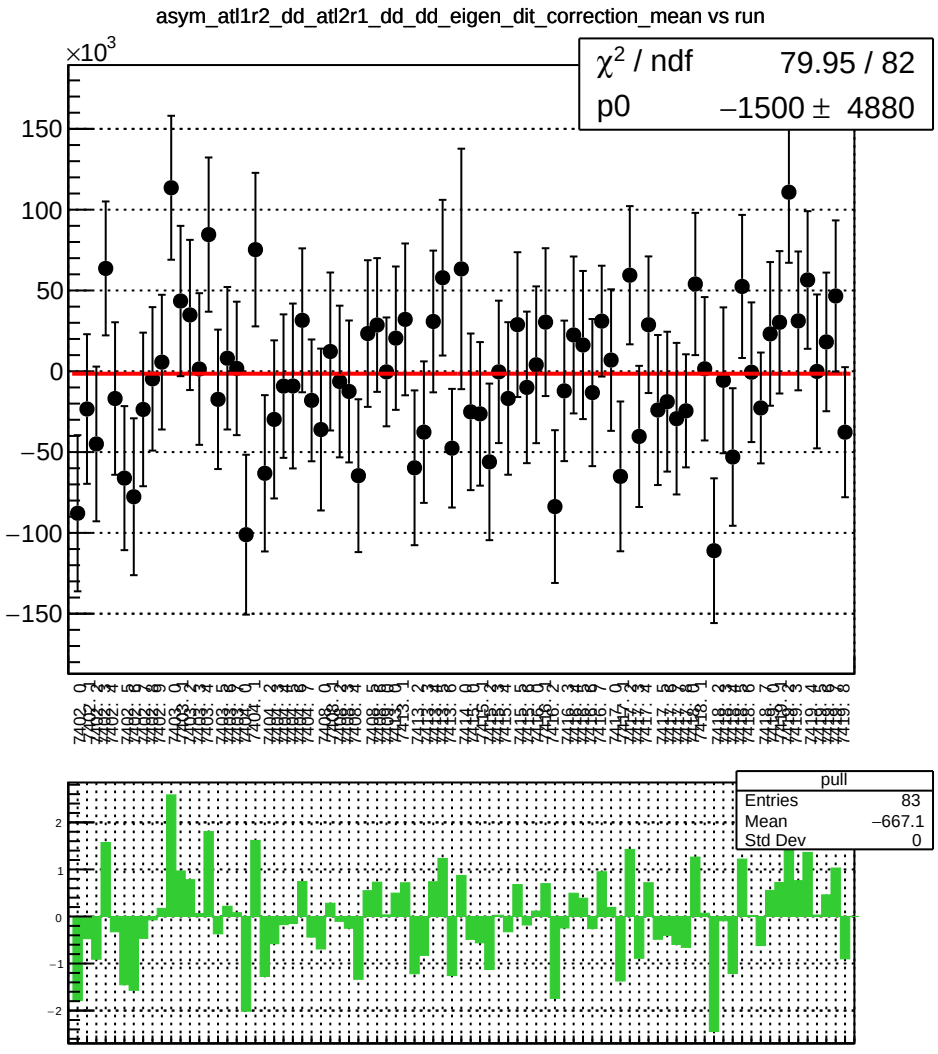

pull1D
Entries 83
Mean −0.003757
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

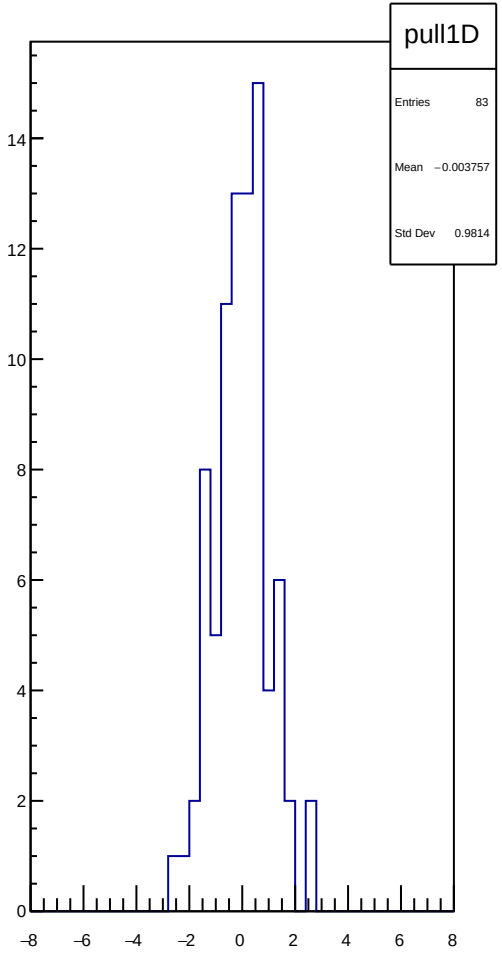

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 3446 / 82
p0 4331 ± 3.451
5200
5000
4800
4600
4400
4200
4000
3800

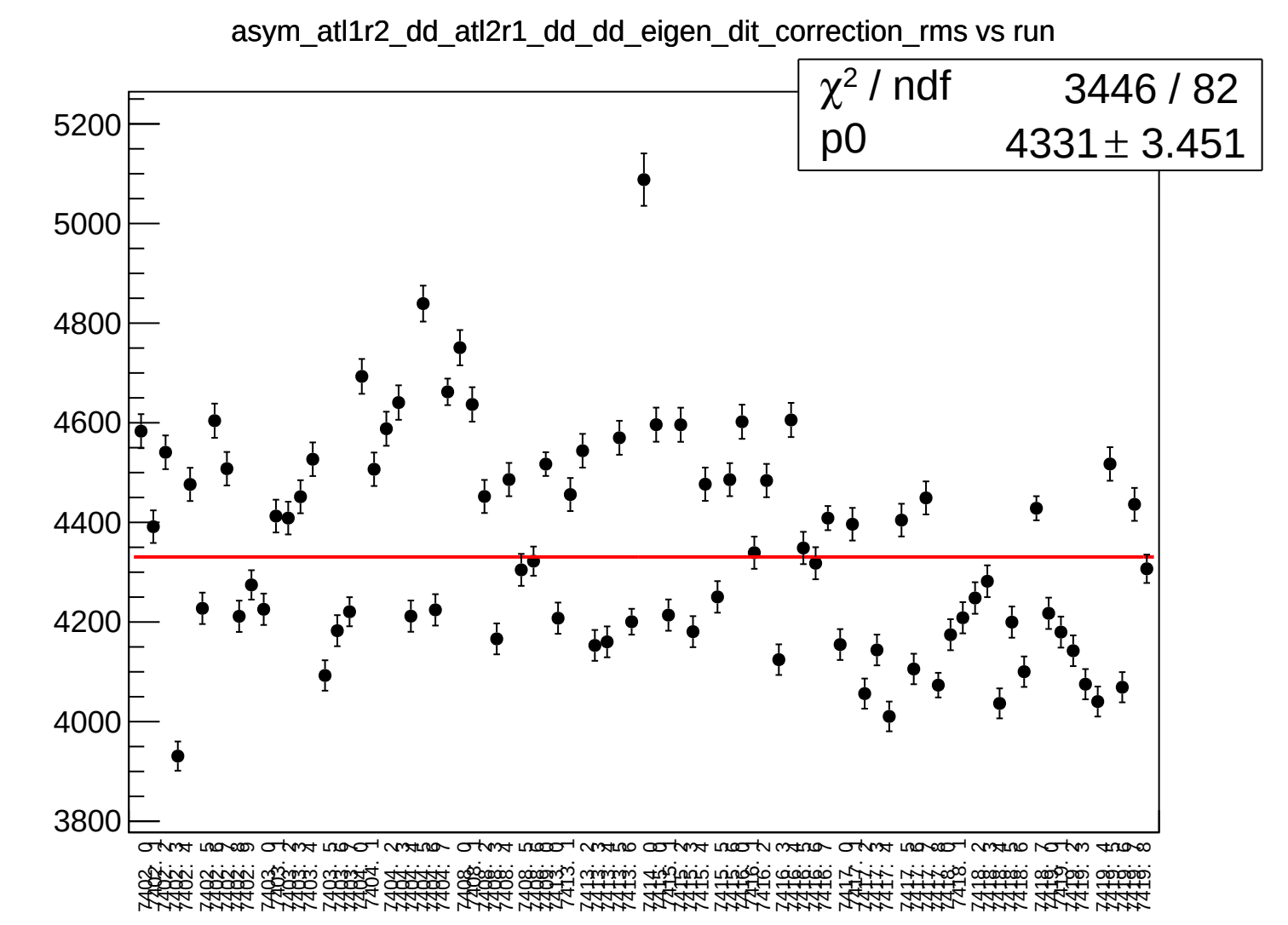

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 70.3 / 82
p0 1629 ± 1452
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −14.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

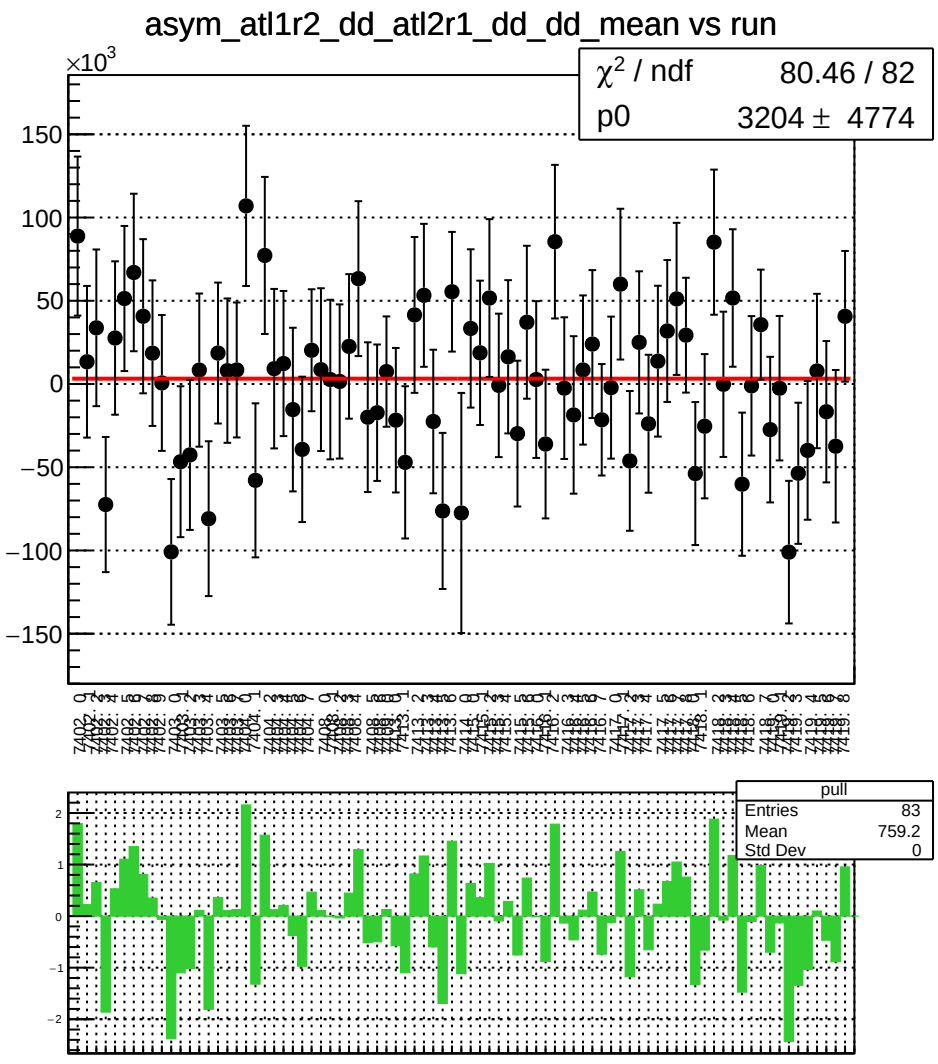

pull1D
Entries 83
Mean −0.02076
Std Dev 0.9201
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

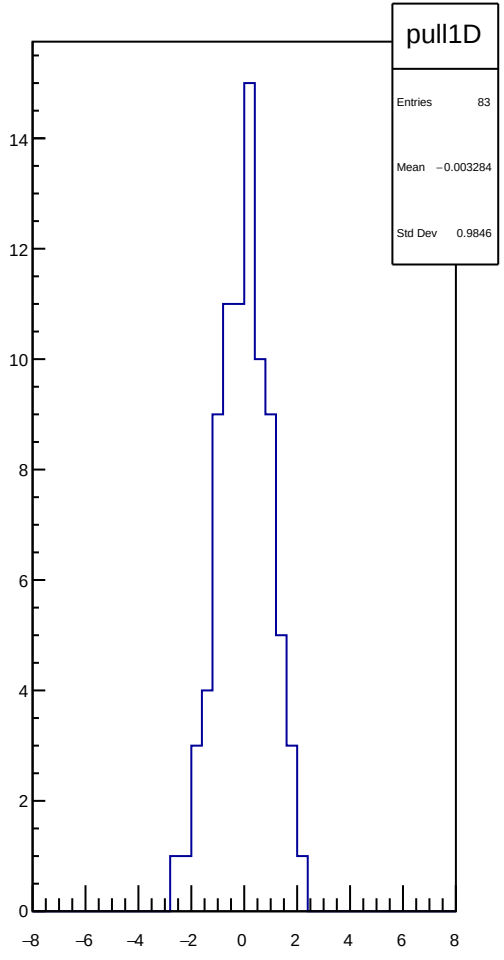

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1000 / 82
p0 1290 ± 1.027
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

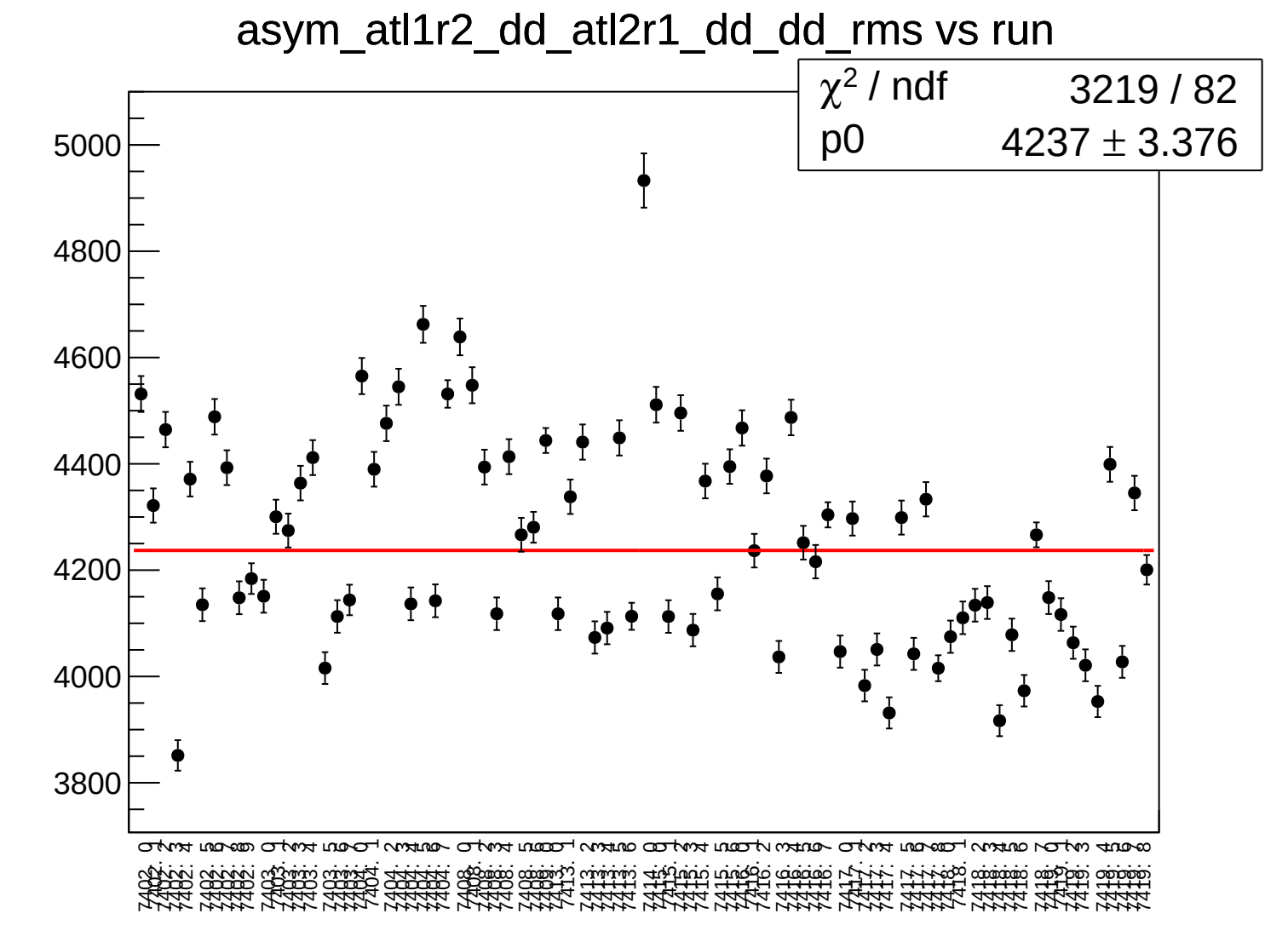

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 79.95 / 82
p0 −1500 ± 4880
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −667.1
Std Dev 0
2
1
0
−1
−2

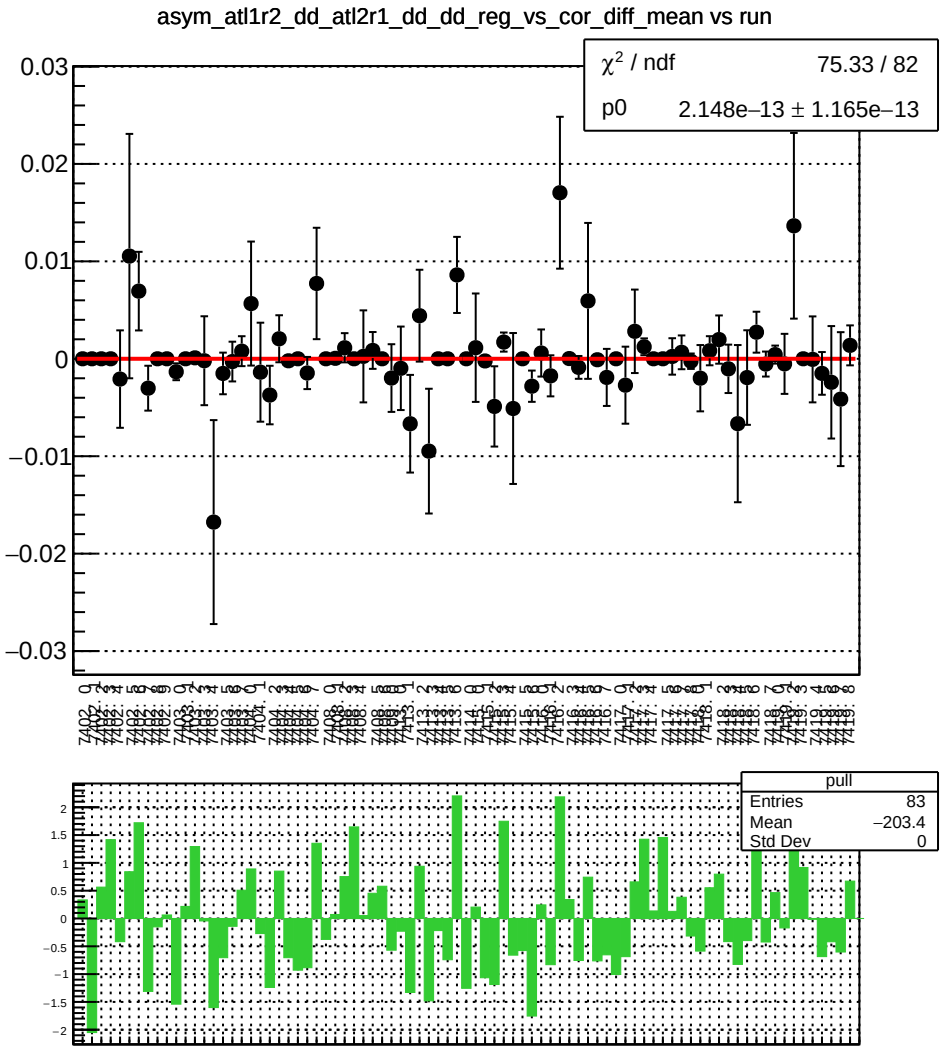

pull1D
Entries 83
Mean −0.003757
Std Dev 0.9814
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

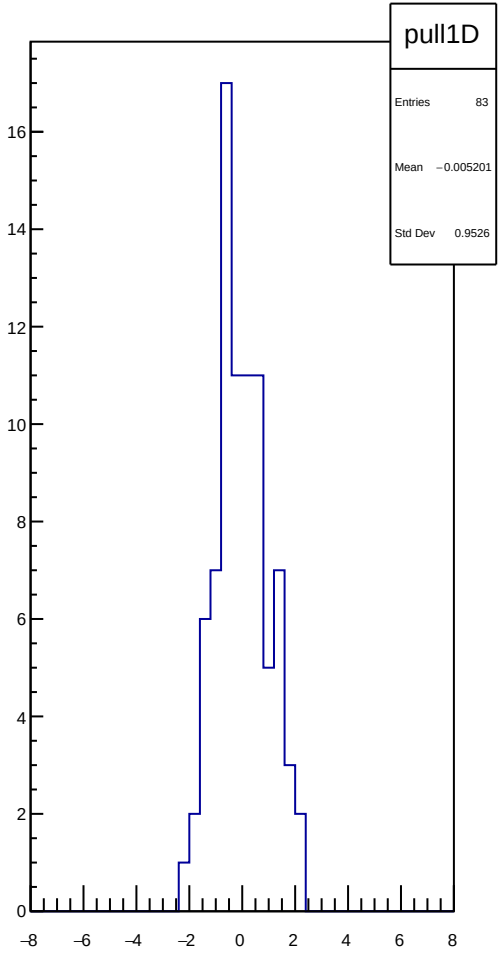

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3446 / 82
p0 4331 ± 3.451
5200
5000
4800
4600
4400
4200
4000
3800

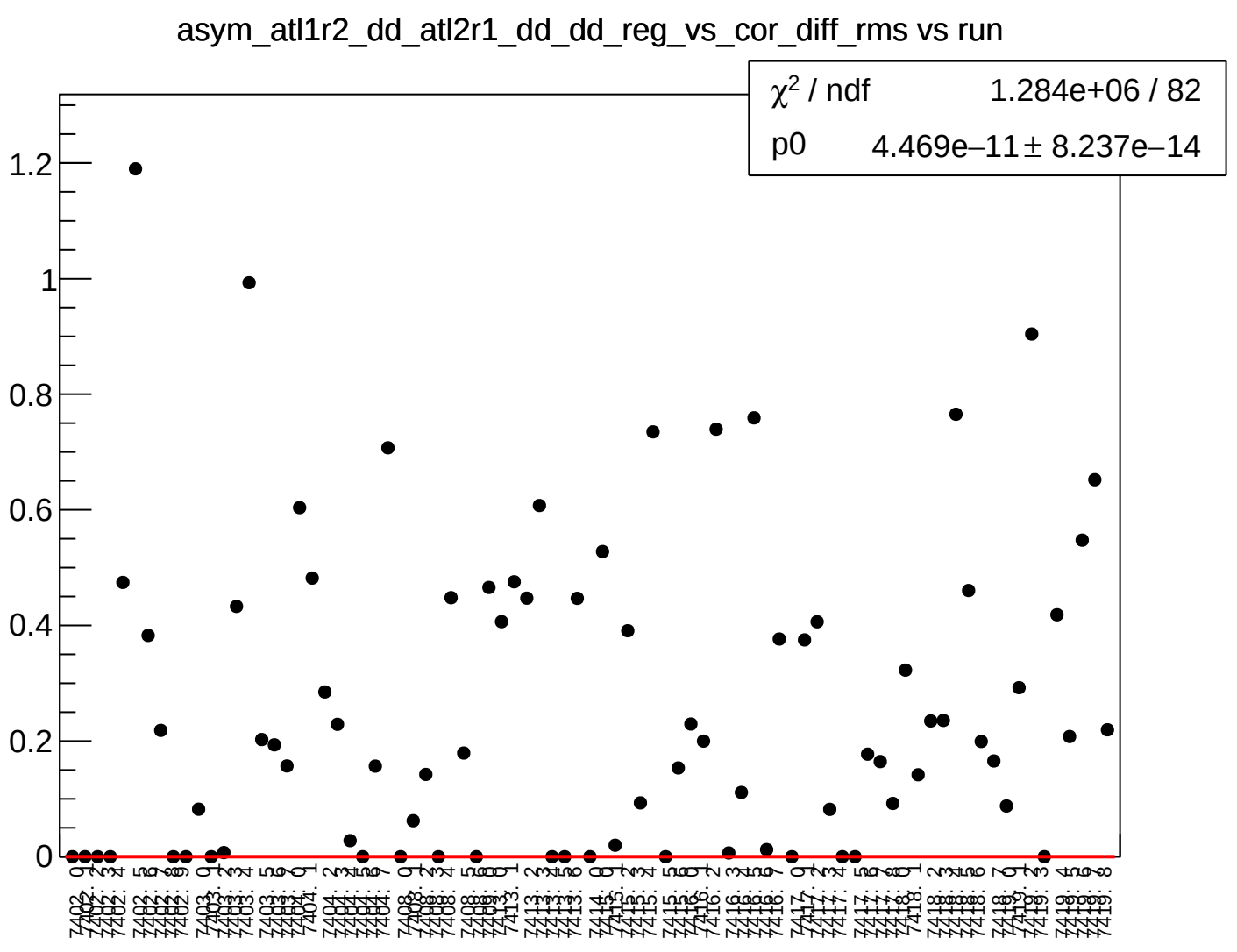

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 80.46 / 82
p0 3204 ± 4774
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean 759.2
Std Dev 0
2
1
0
−1
−2

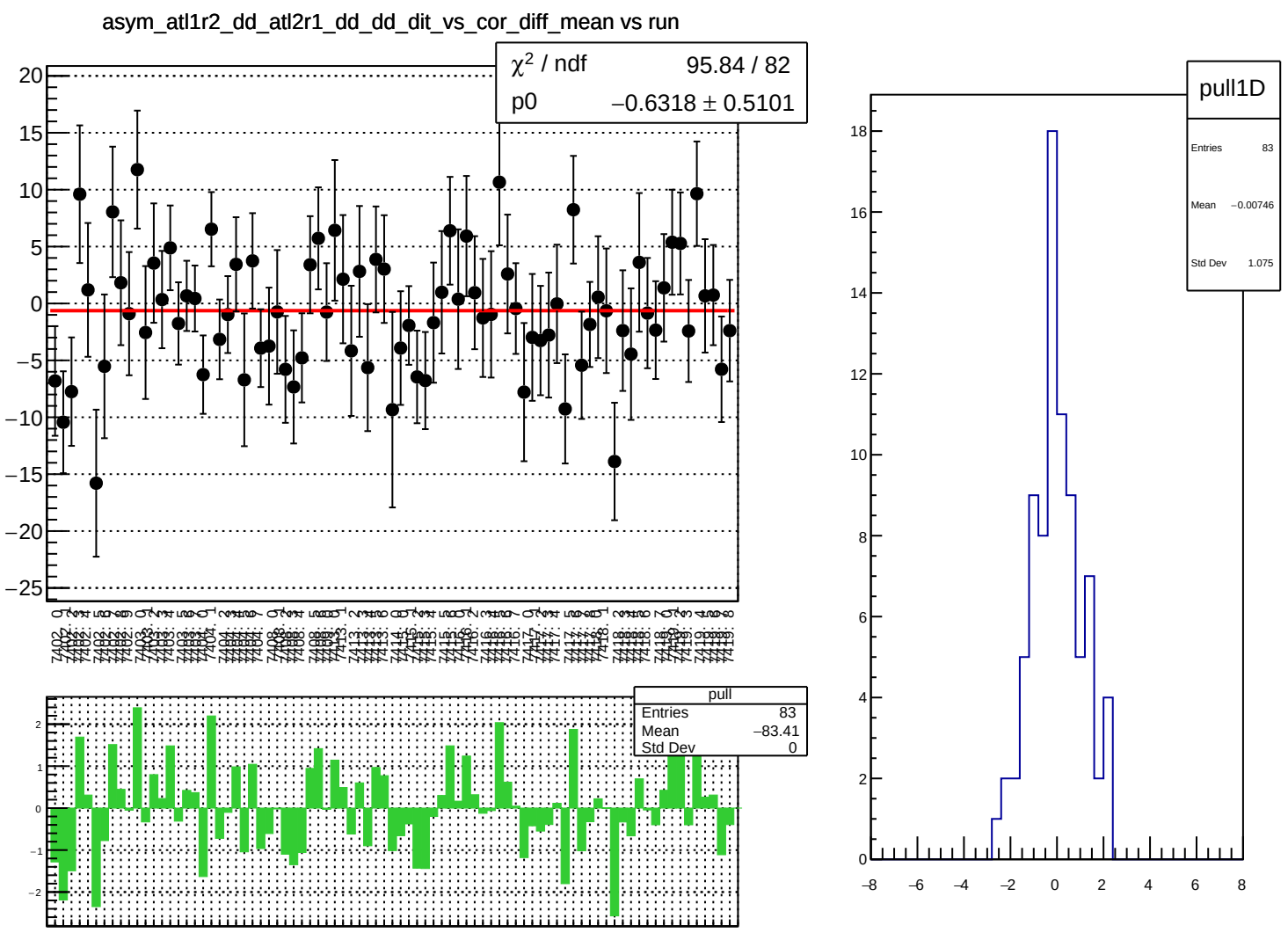

pull1D
Entries 83
Mean −0.003284
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

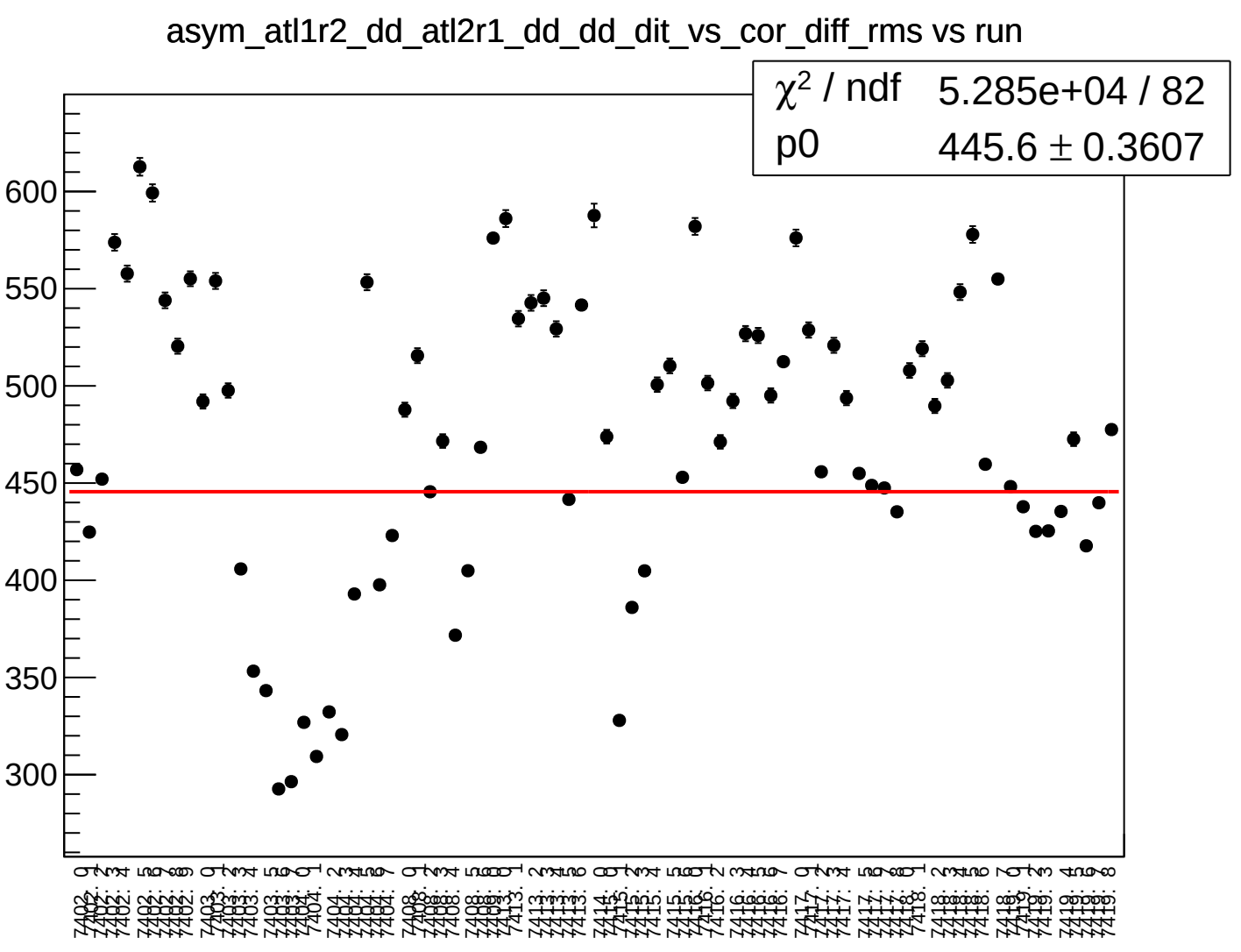

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 3219 / 82
p0 4237 ± 3.376
5000
4800
4600
4400
4200
4000
3800

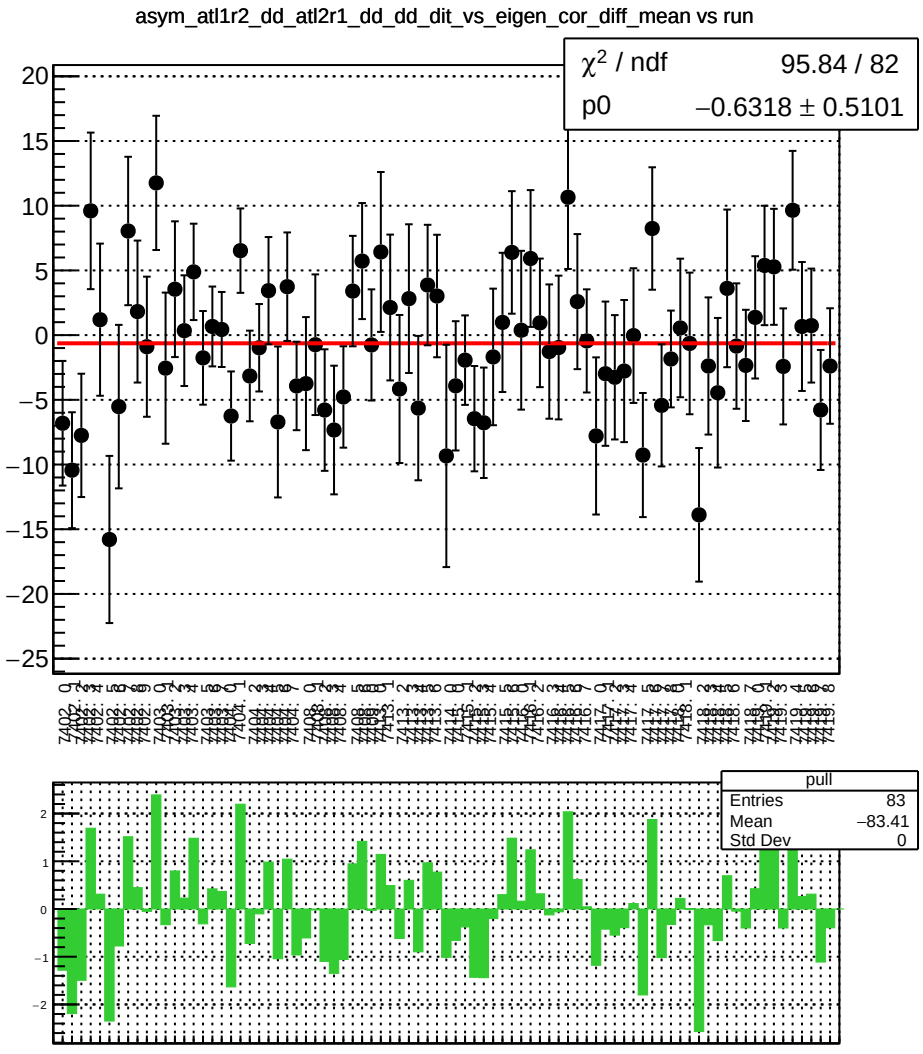

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 75.33 / 82
p0 2.148e−13 ± 1.165e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean −203.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

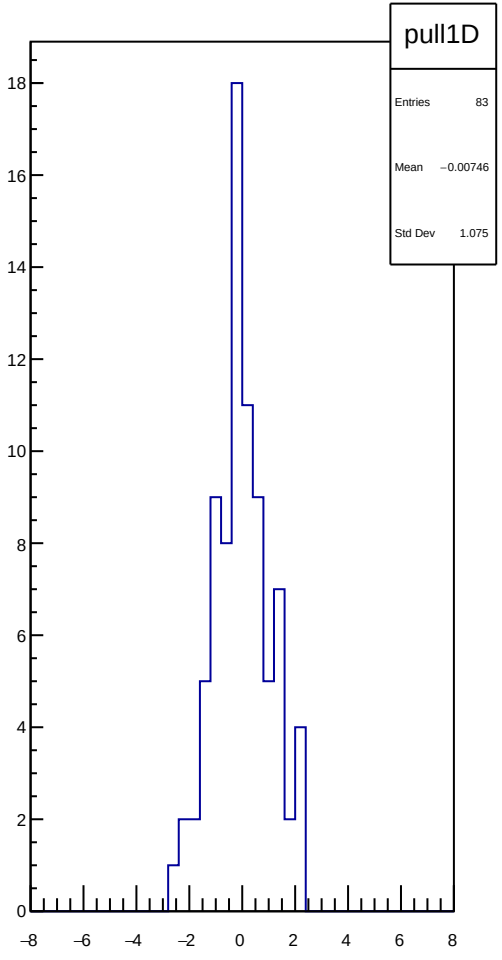

pull1D
Entries 83
Mean −0.005201
Std Dev 0.9526
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

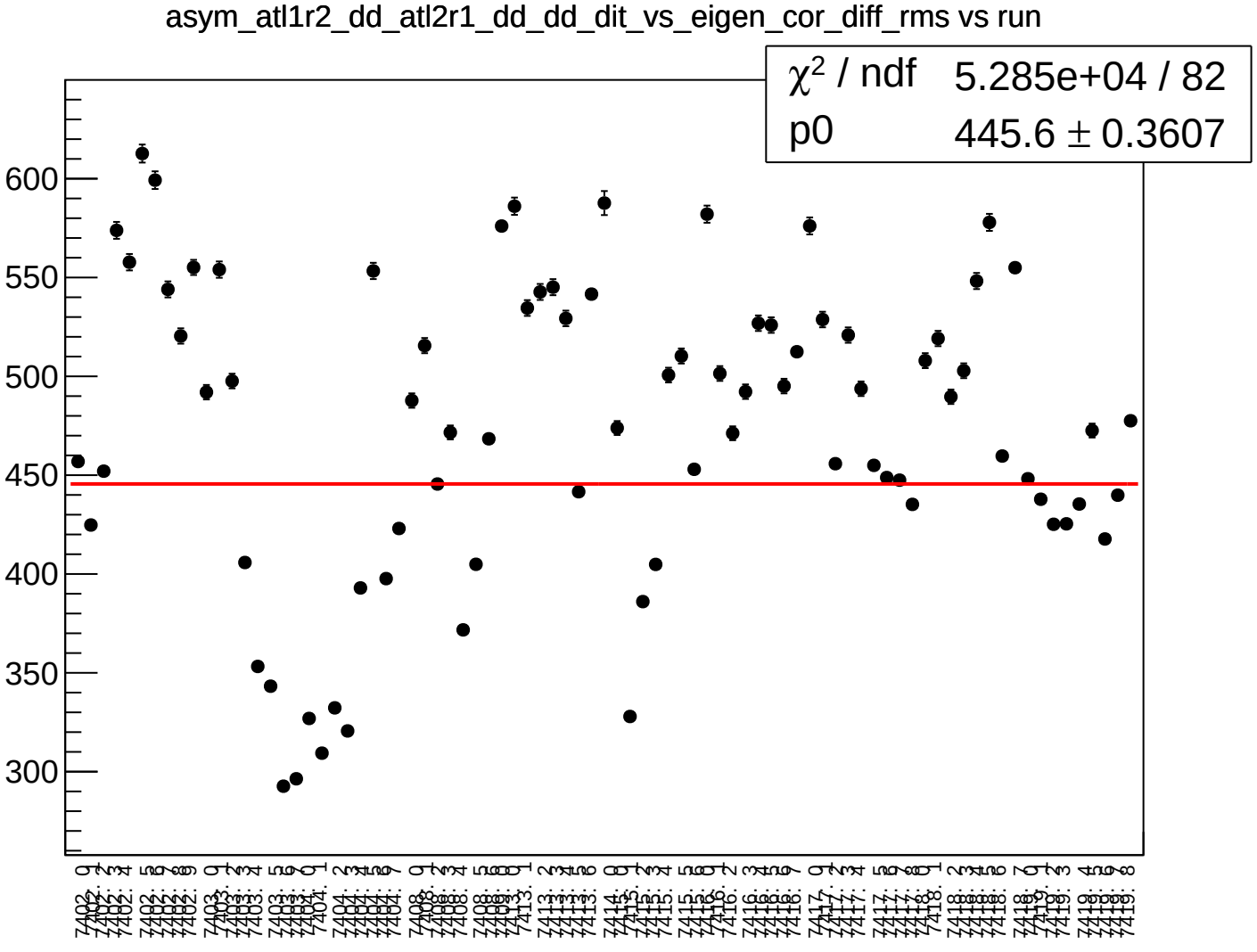

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.284e+06 / 82
p0 4.469e−11 ± 8.237e−14
1.2
1
0.8
0.6
0.4
0.2
0

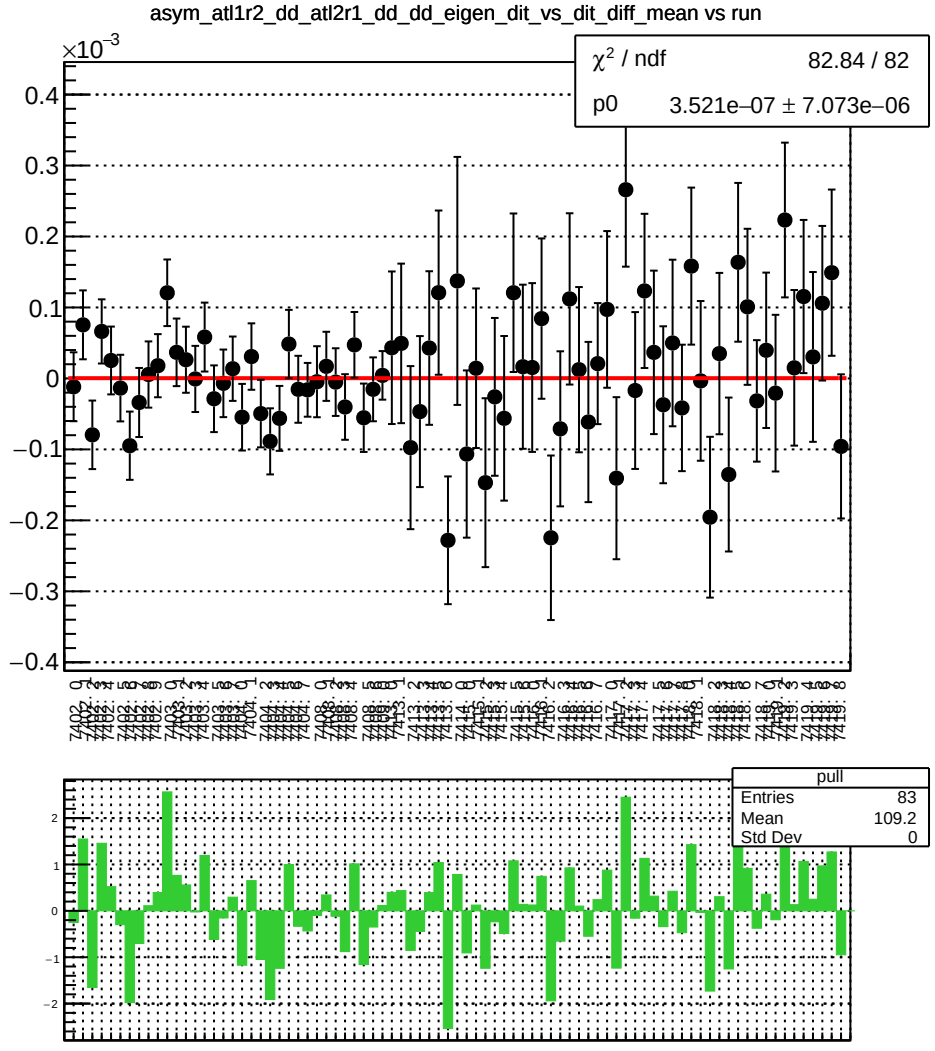

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.41
Std Dev 0
pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

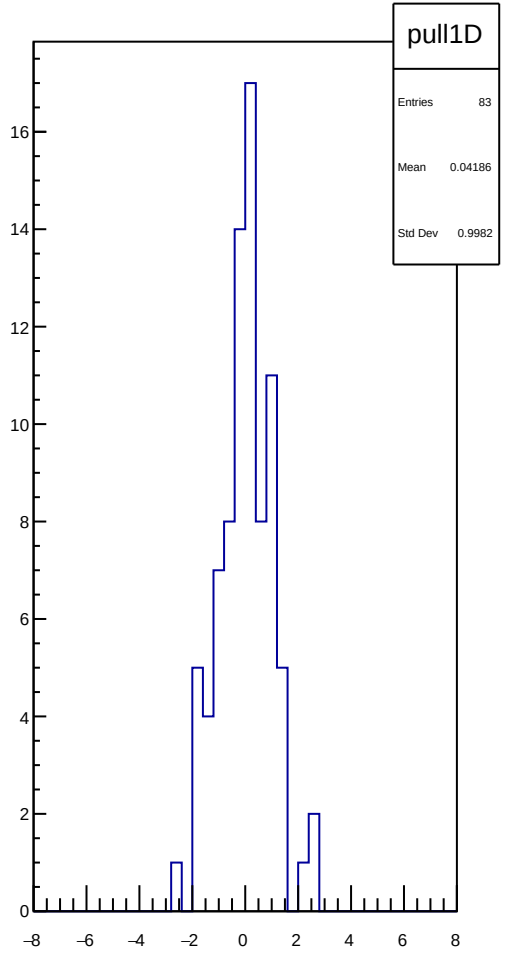

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

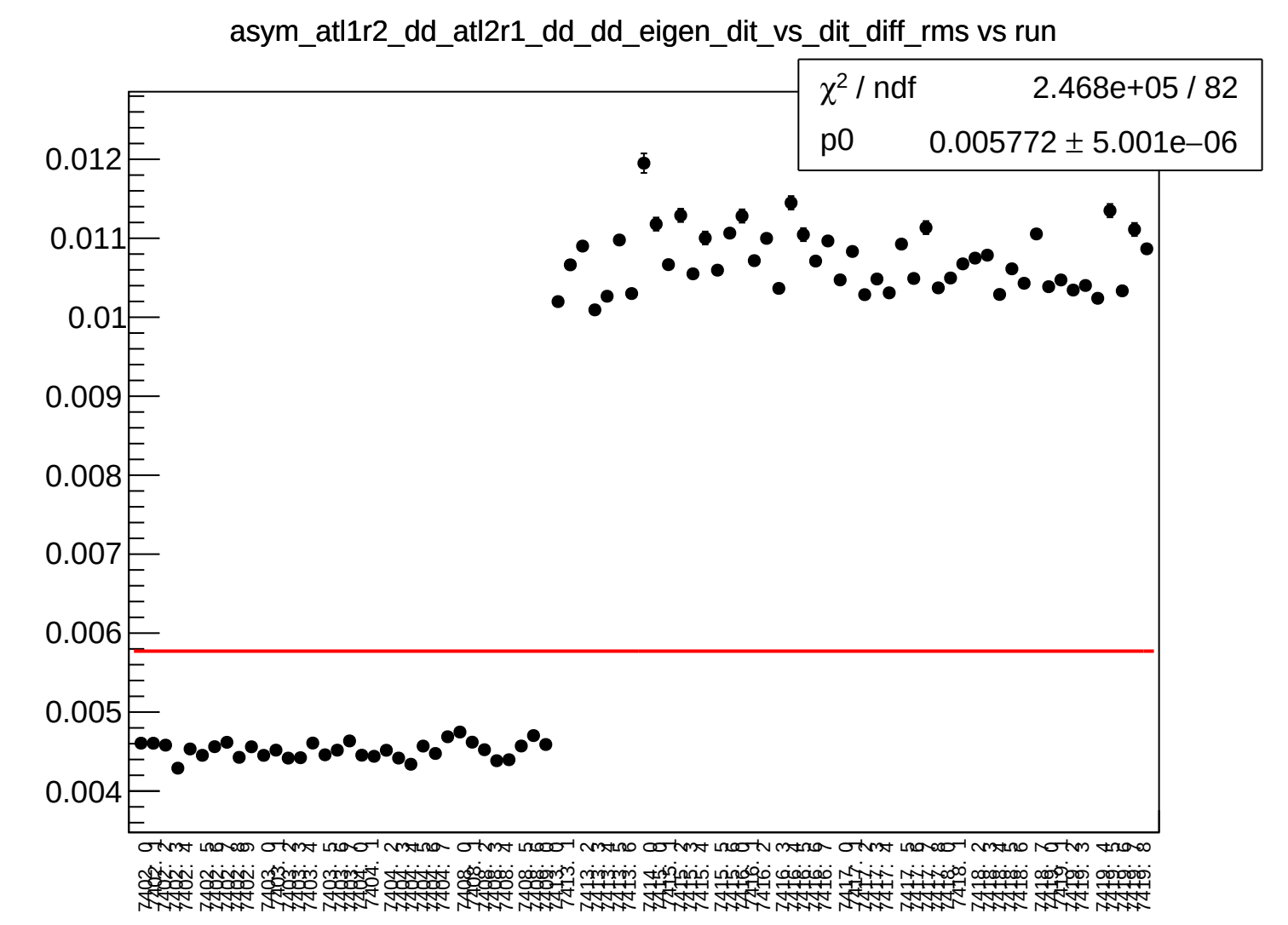

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.41
Std Dev 0

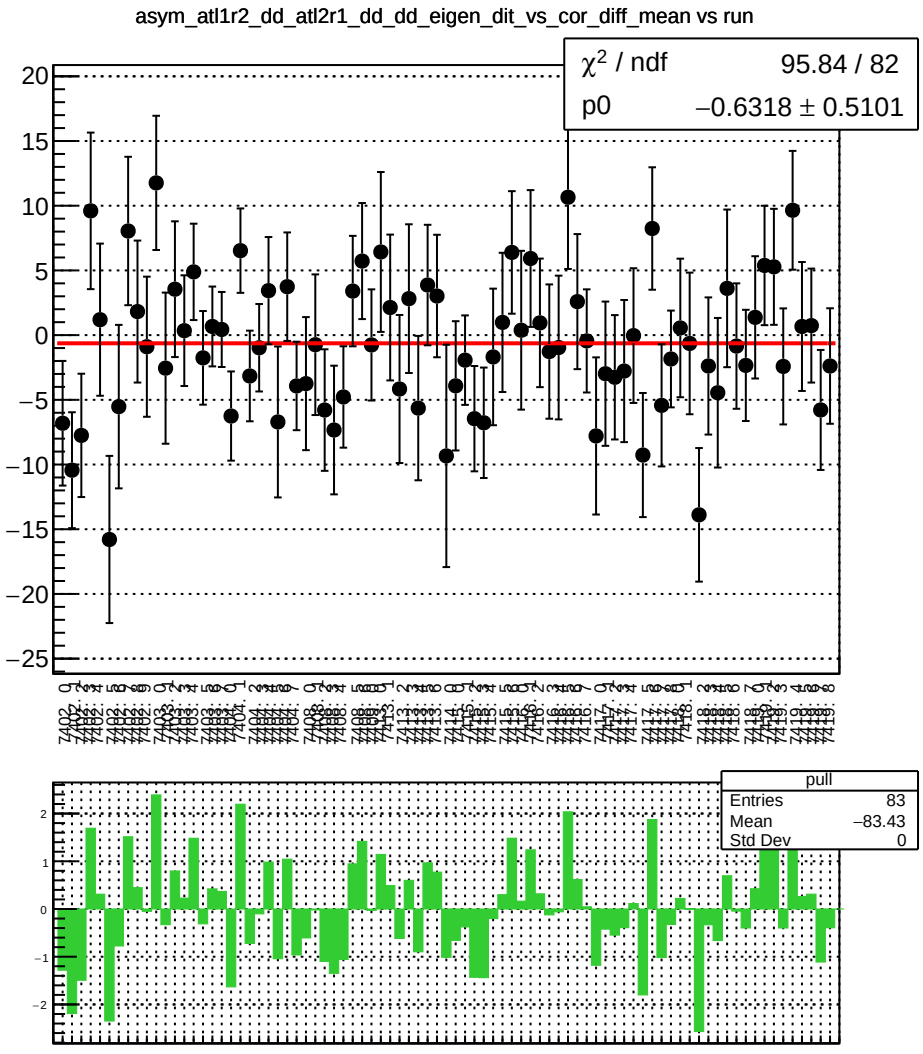

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

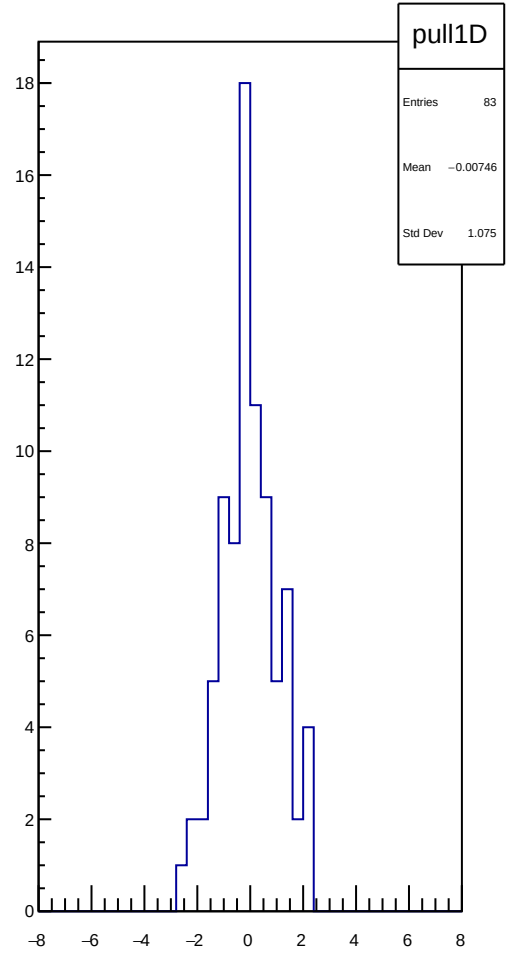

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

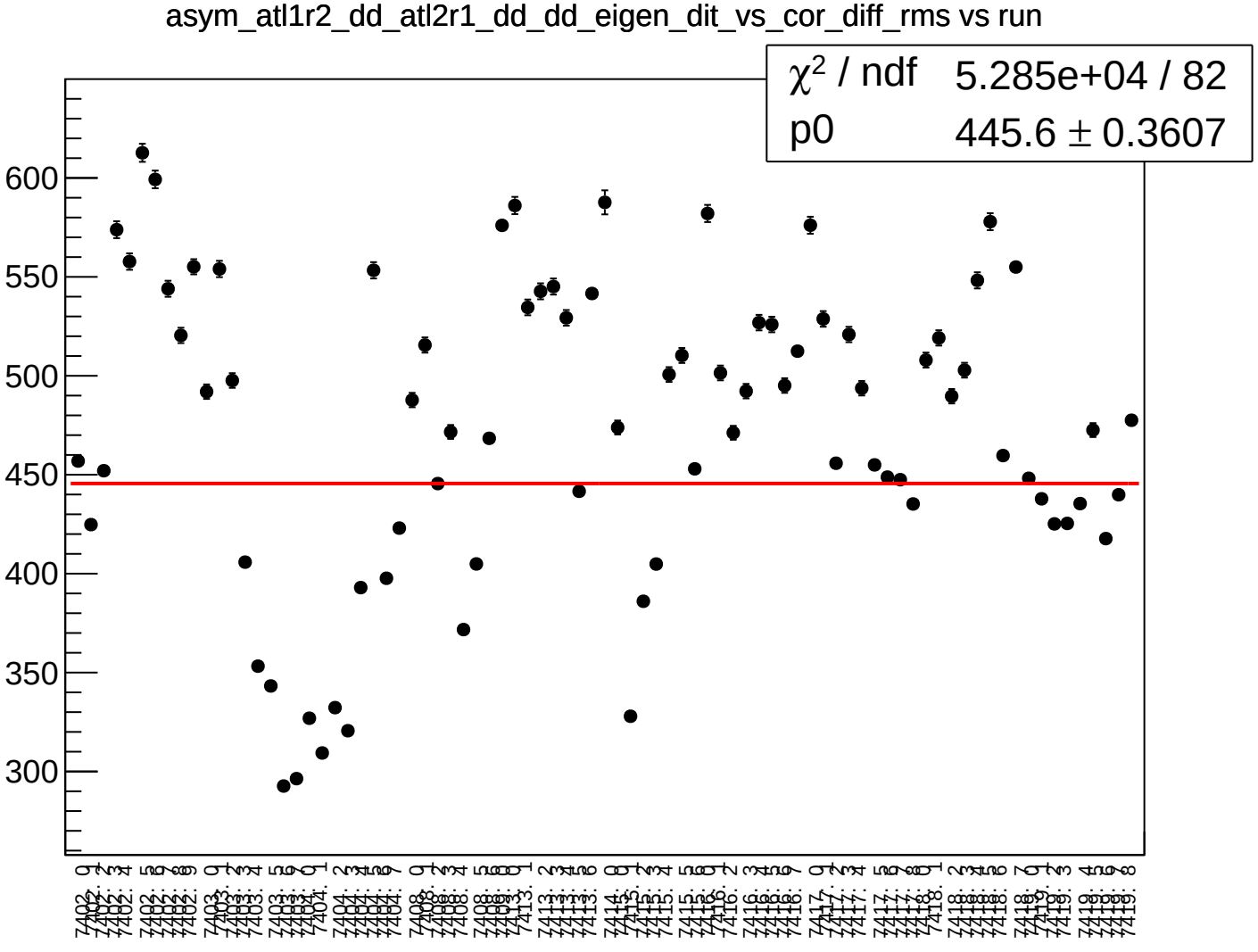

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.84 / 82
p0 3.521e−07 ± 7.073e−06
pull
Entries 83
Mean 109.2
Std Dev 0

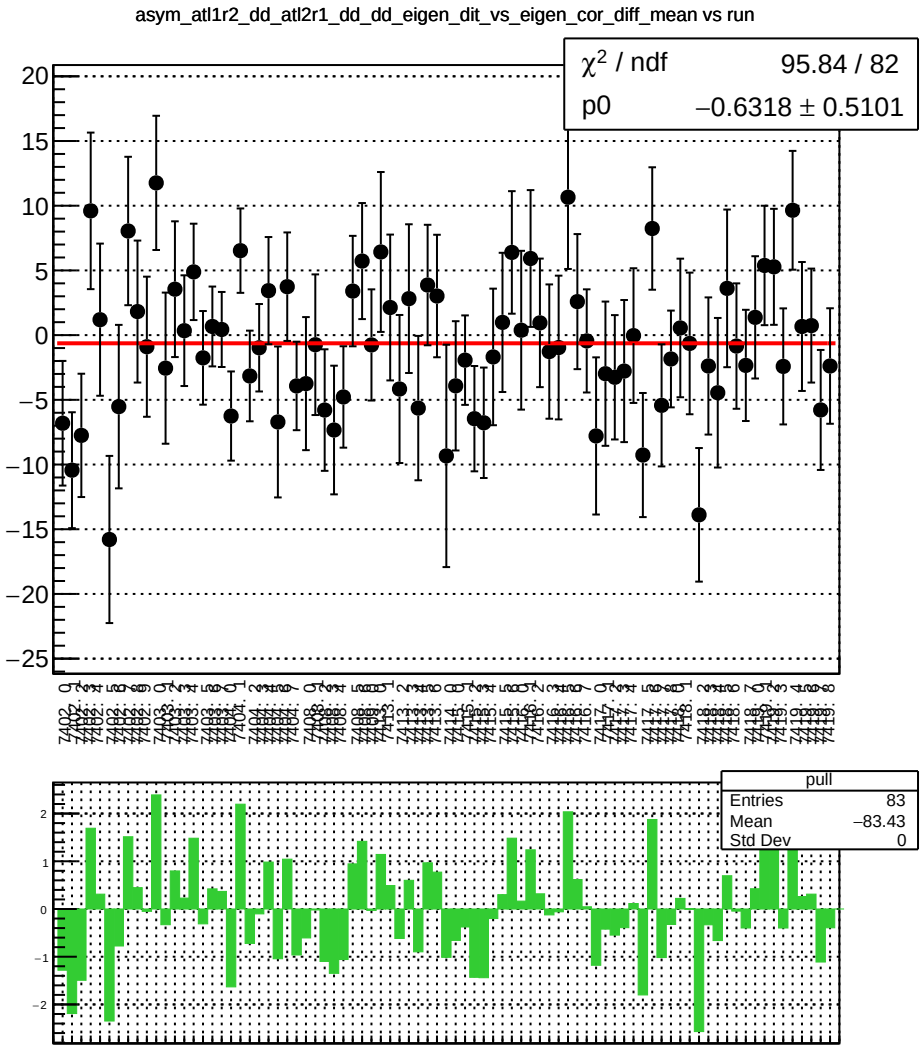

pull1D
Entries 83
Mean 0.04186
Std Dev 0.9982

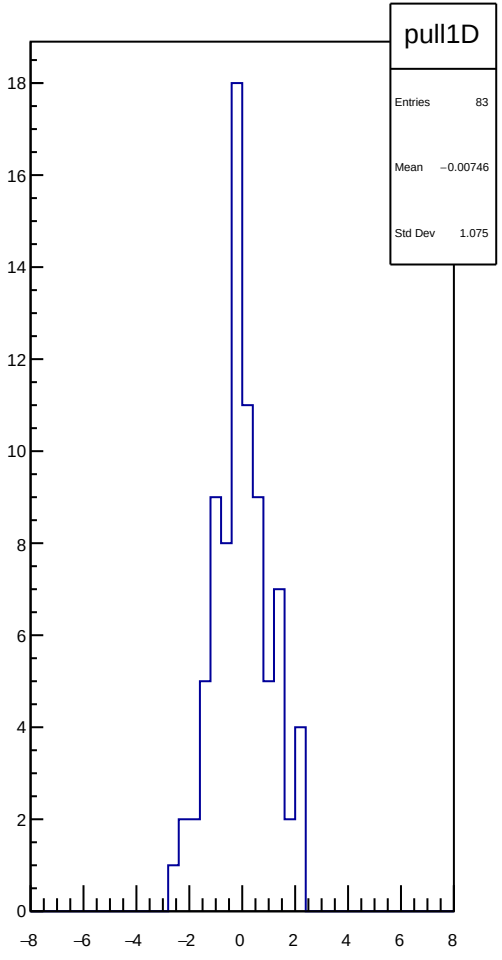

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.468e+05 / 82
p0 0.005772 ± 5.001e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

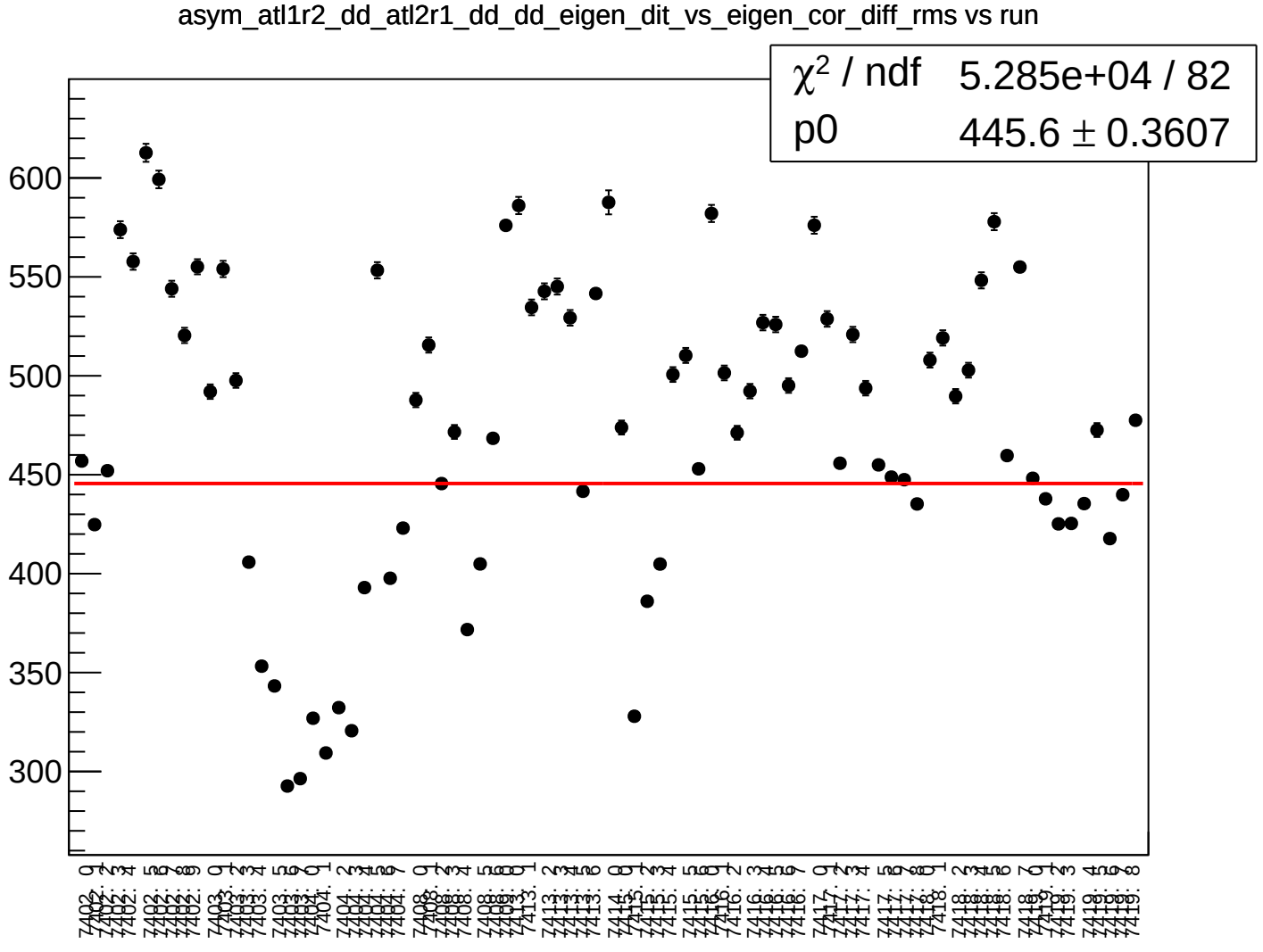

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.43
Std Dev 0

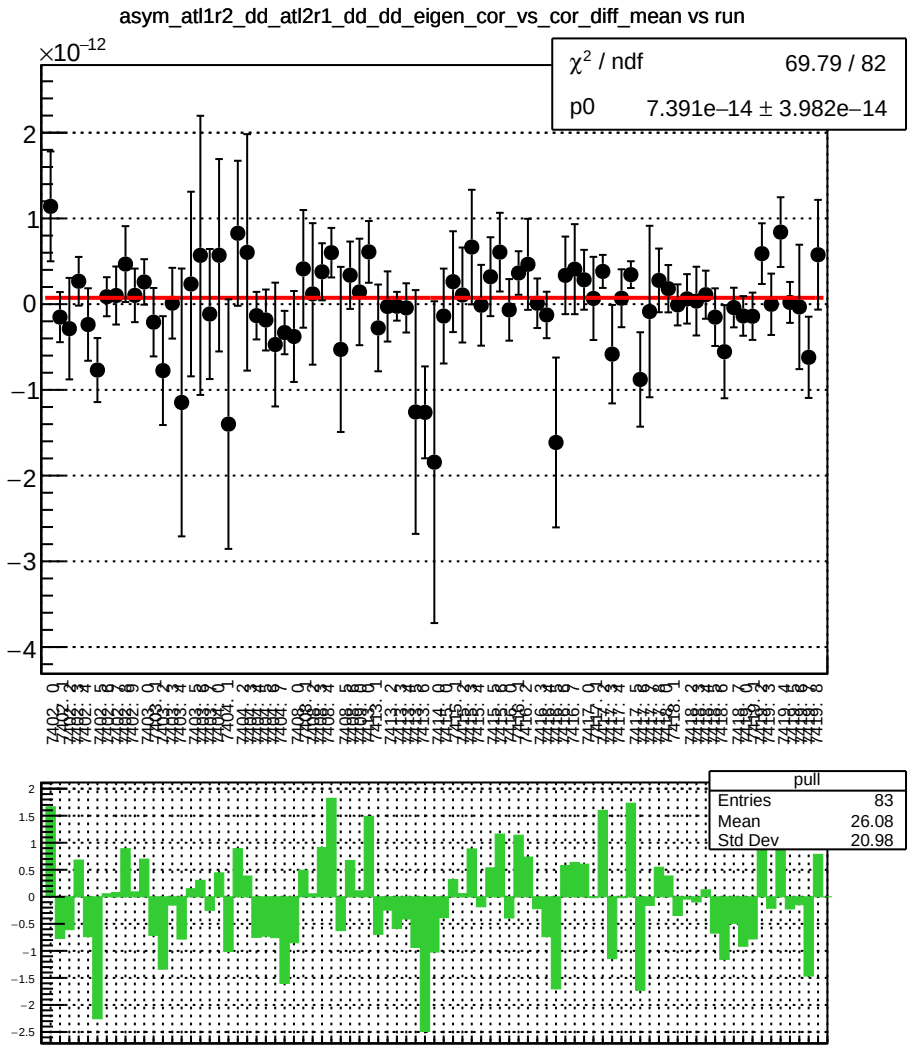

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

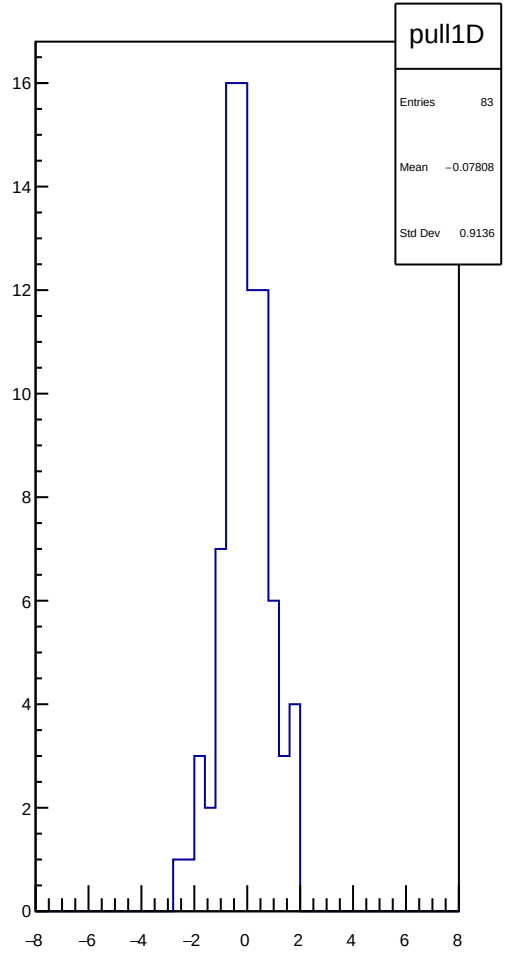

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

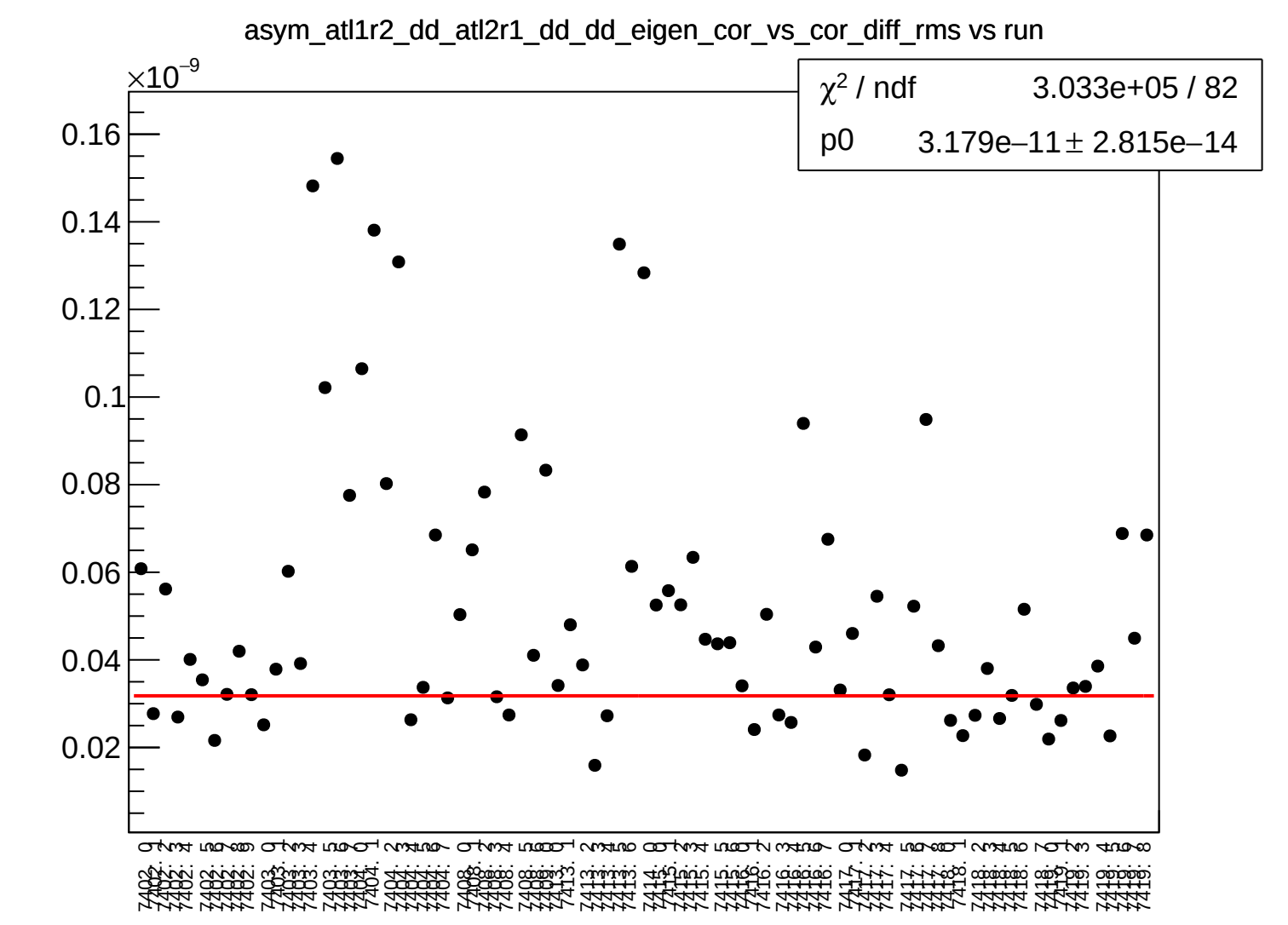

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.84 / 82
p0 −0.6318 ± 0.5101
pull
Entries 83
Mean −83.43
Std Dev 0

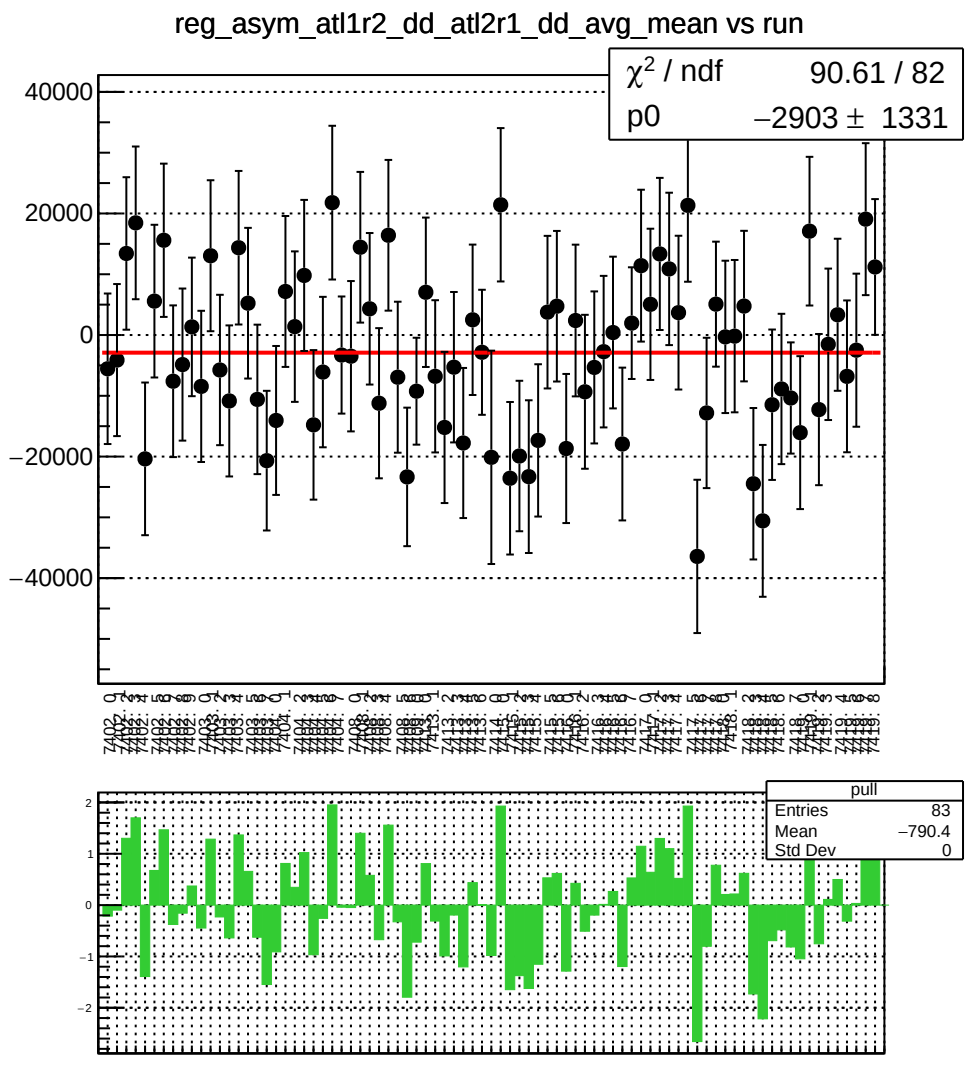

pull1D
Entries 83
Mean −0.00746
Std Dev 1.075

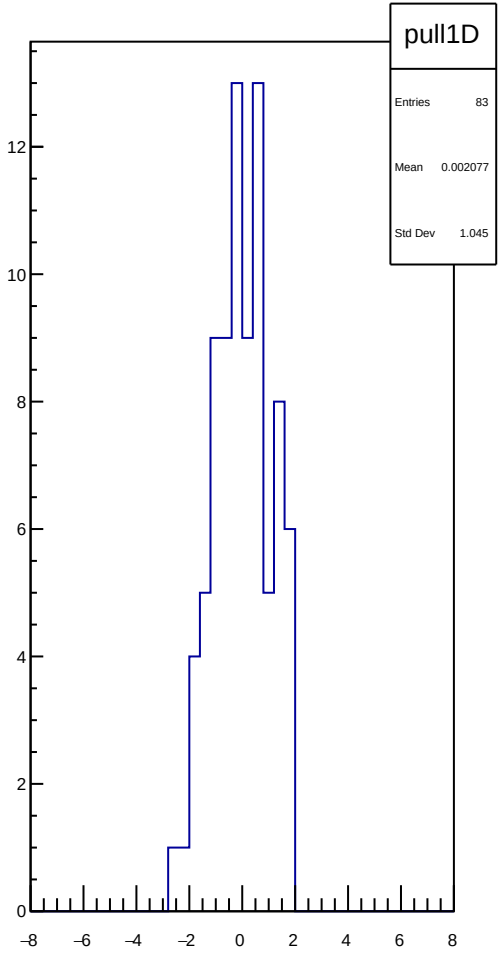

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 82
p0 445.6 ± 0.3607
600
550
500
450
400
350
300

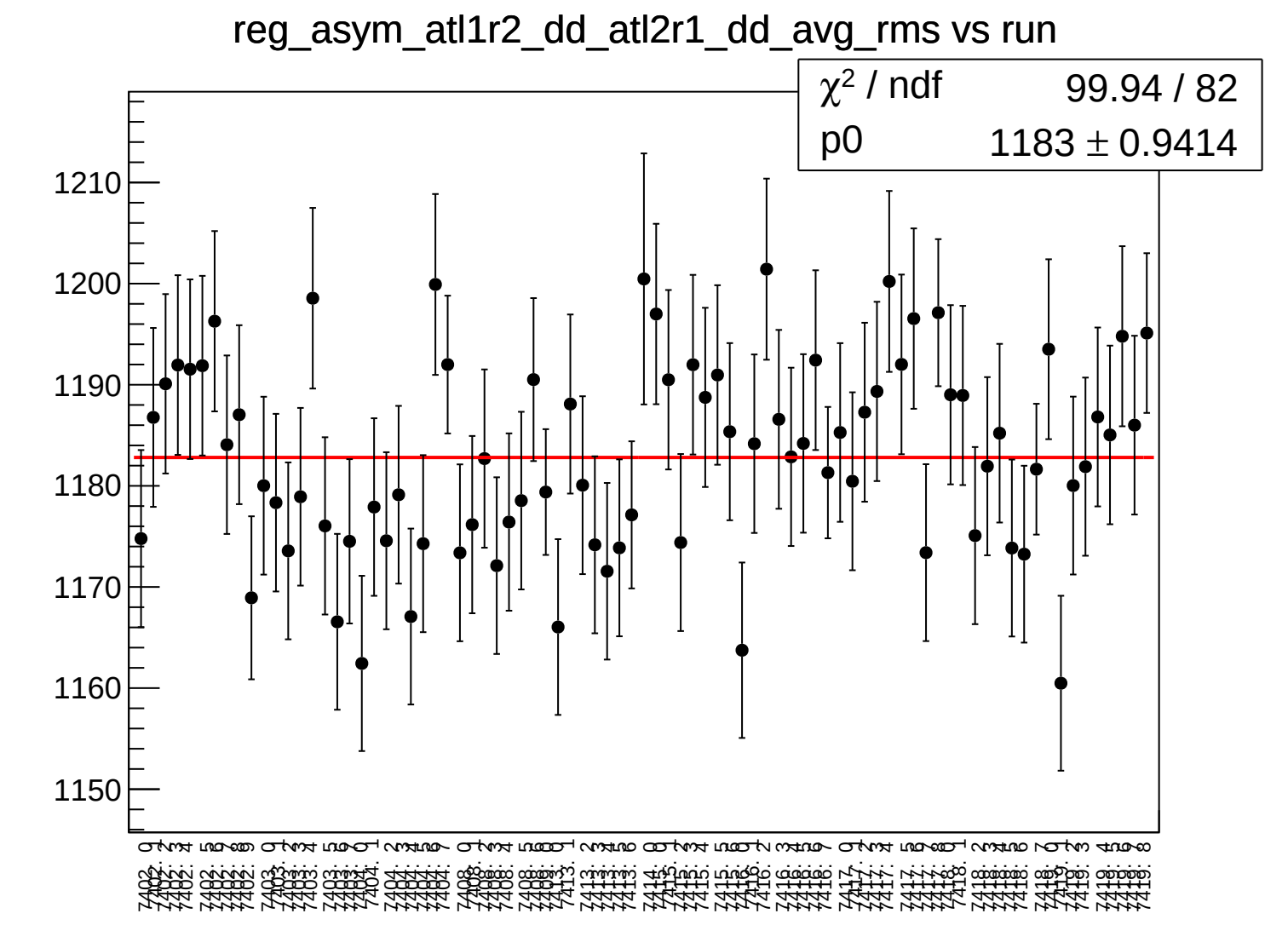

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.79 / 82
p0 7.391e−14 ± 3.982e−14
pull
Entries 83
Mean 26.08
Std Dev 20.98

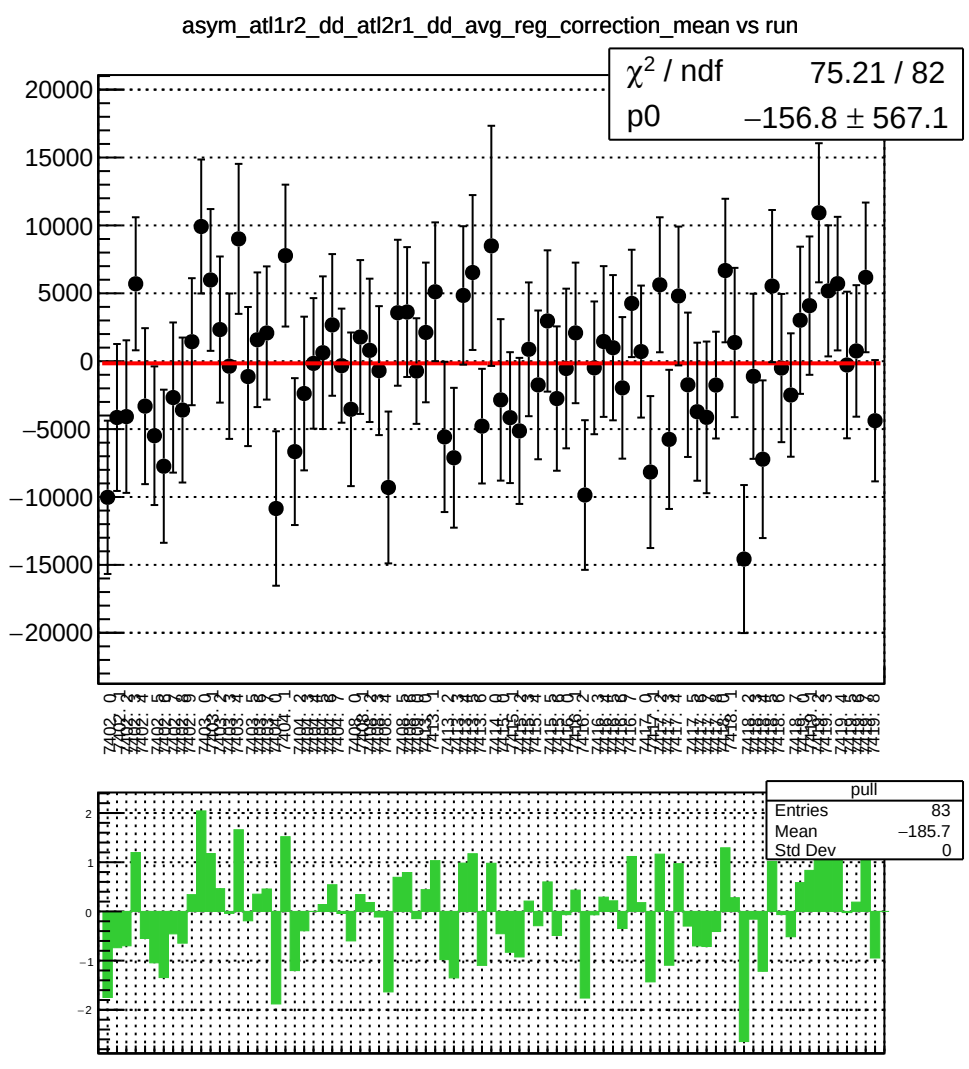

pull1D
Entries 83
Mean −0.07808
Std Dev 0.9136

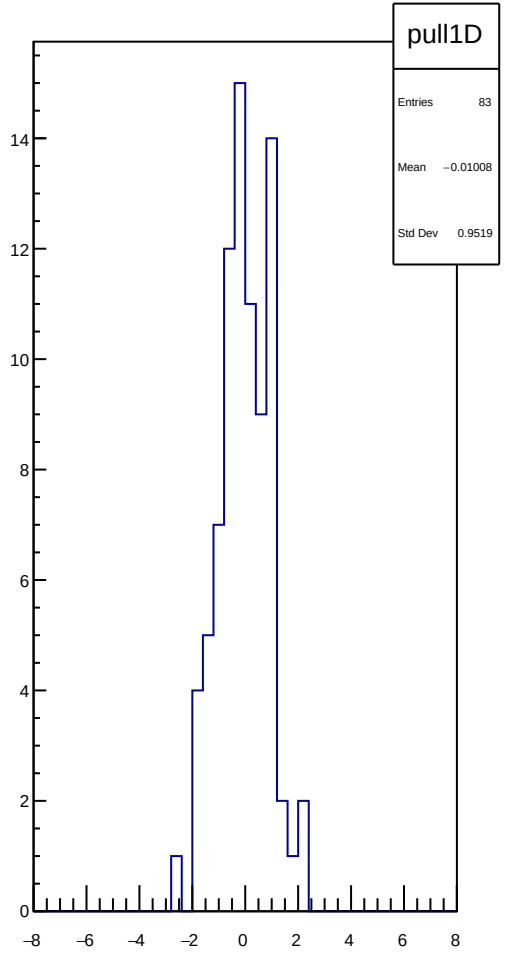

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.033e+05 / 82
p0 3.179e−11 ± 2.815e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

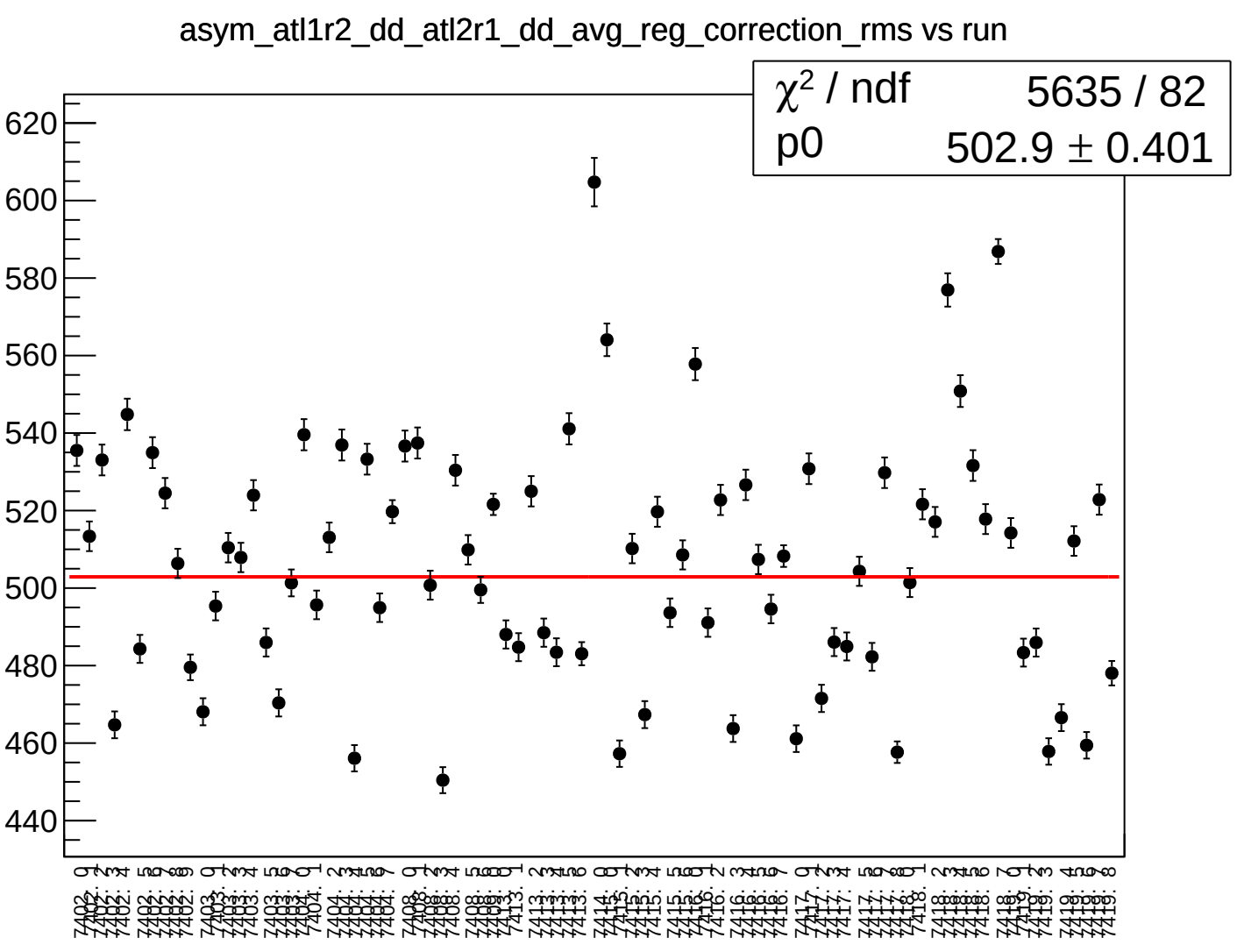

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 90.61 / 82
p0 −2903 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −790.4
Std Dev 0
2
1
0
−1
−2

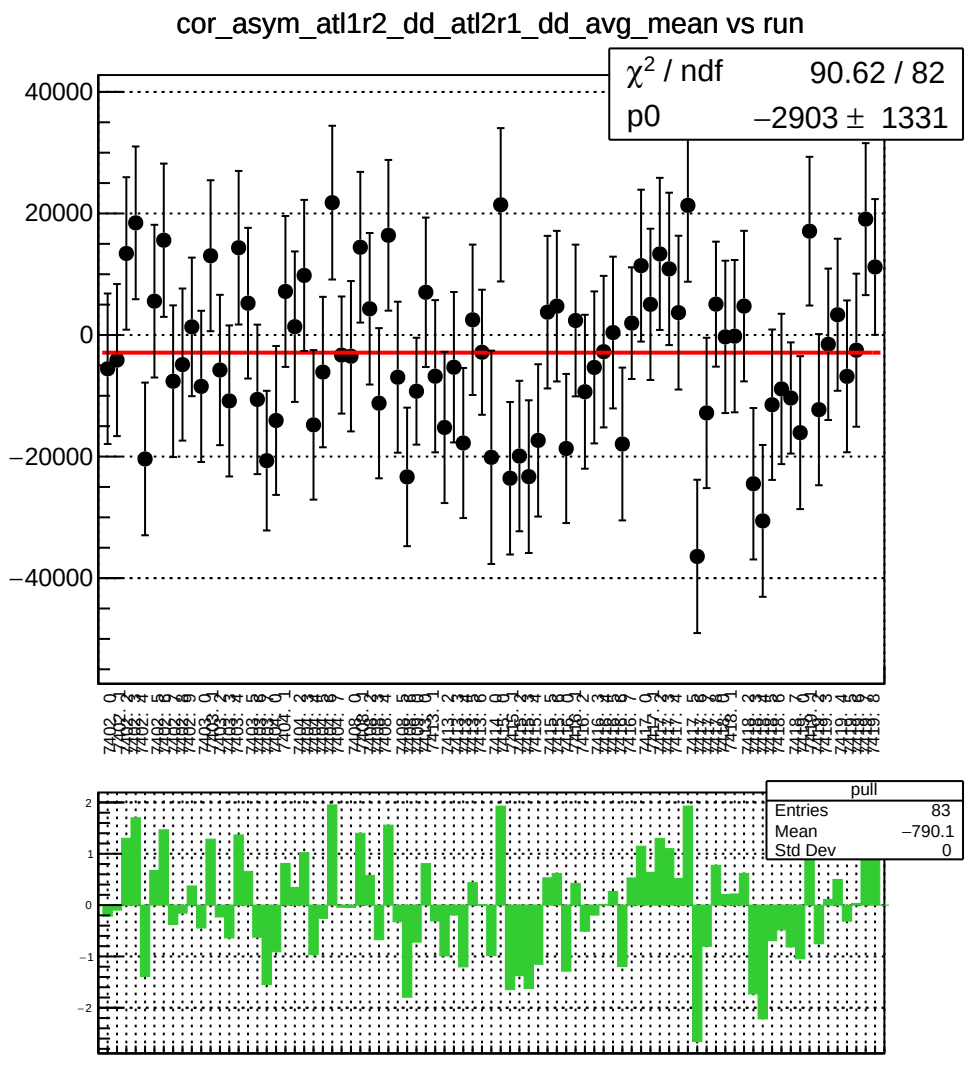

pull1D
Entries 83
Mean 0.002077
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

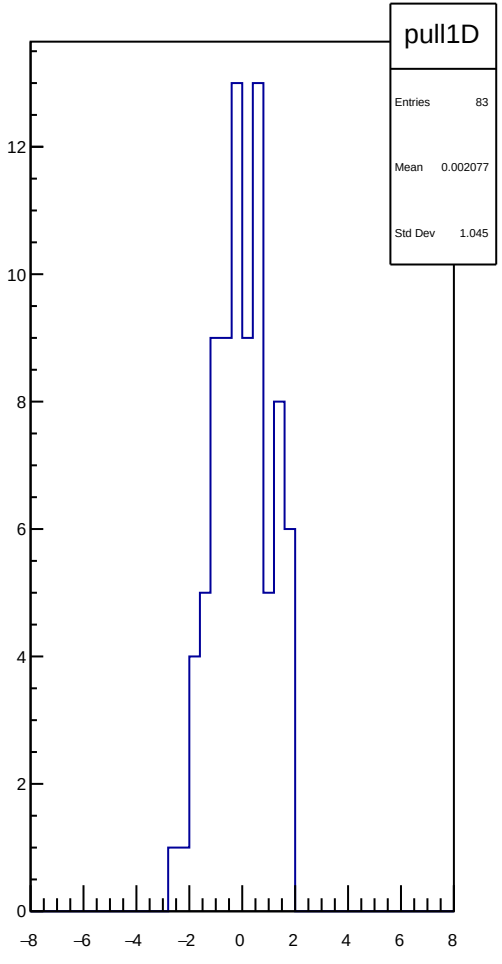

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 99.94 / 82
p0 1183 ± 0.9414
1210
1200
1190
1180
1170
1160
1150

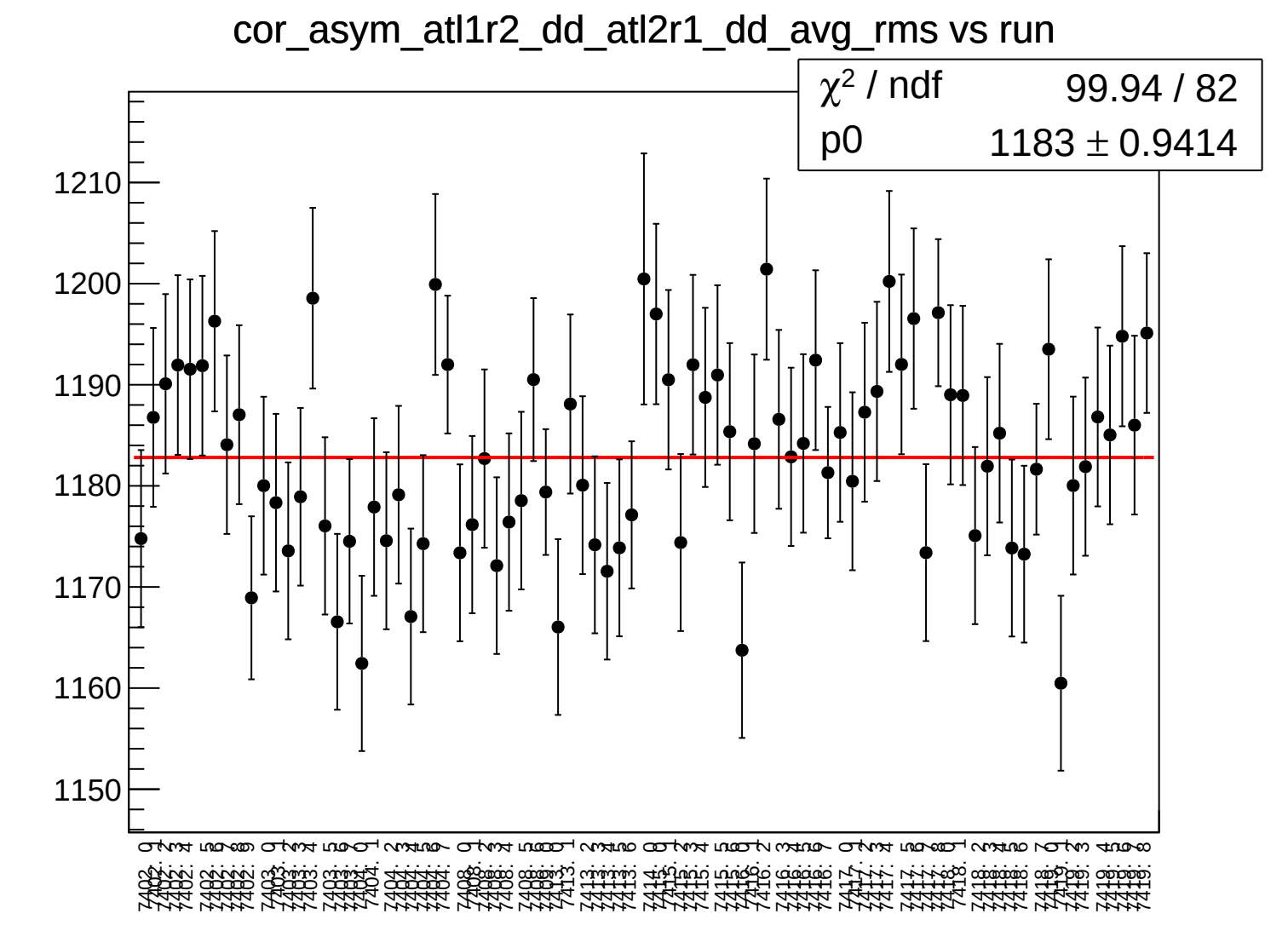

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 75.21 / 82
p0 −156.8 ± 567.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean −185.7
Std Dev 0
2
1
0
−1
−2

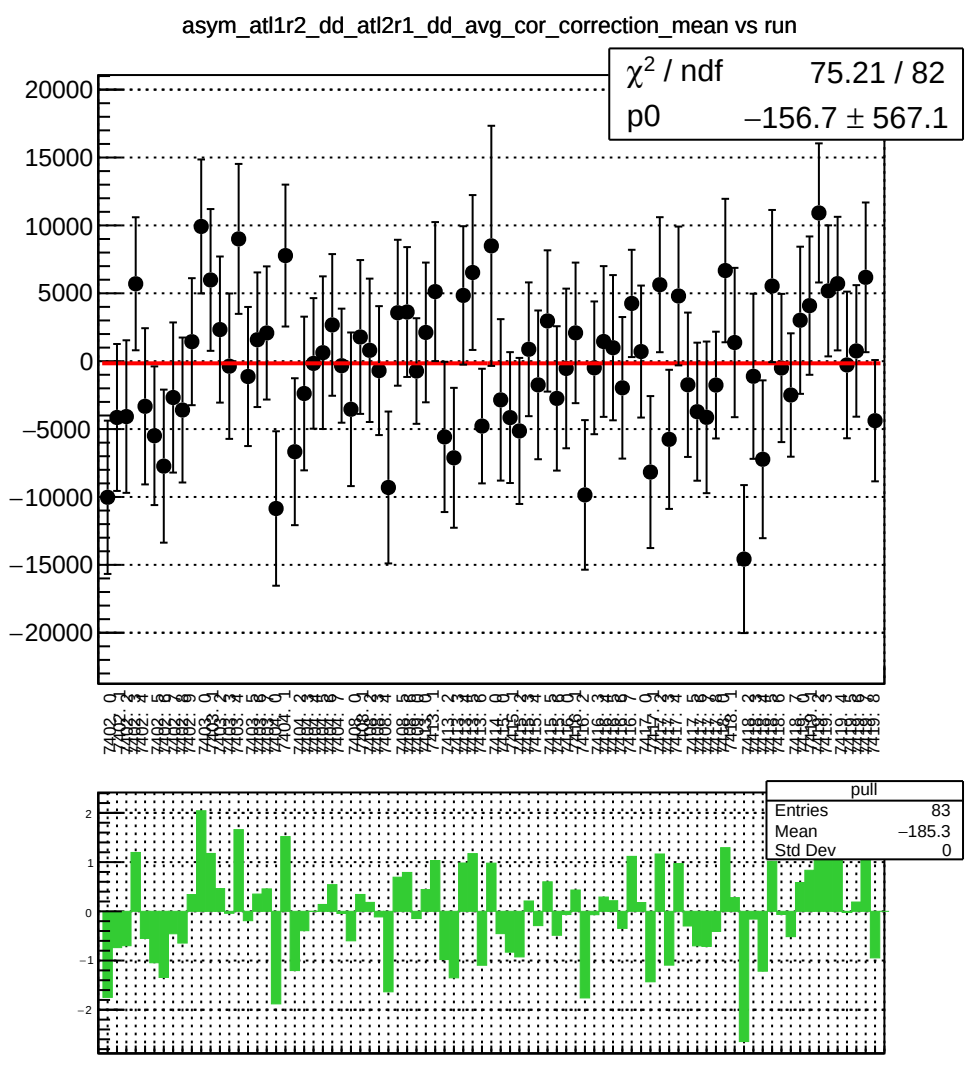

pull1D
Entries 83
Mean −0.01008
Std Dev 0.9519
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

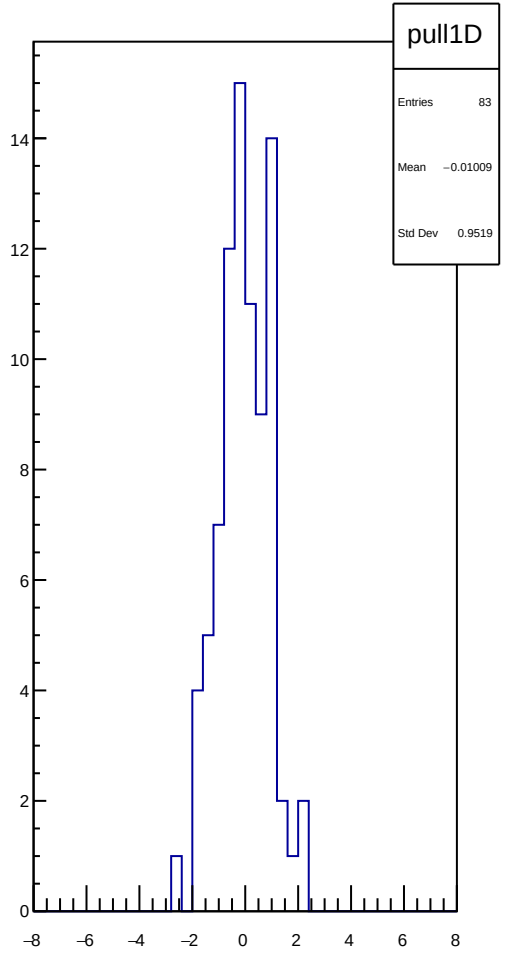

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 5635 / 82
p0 502.9 ± 0.401
620
600
580
560
540
520
500
480
460
440

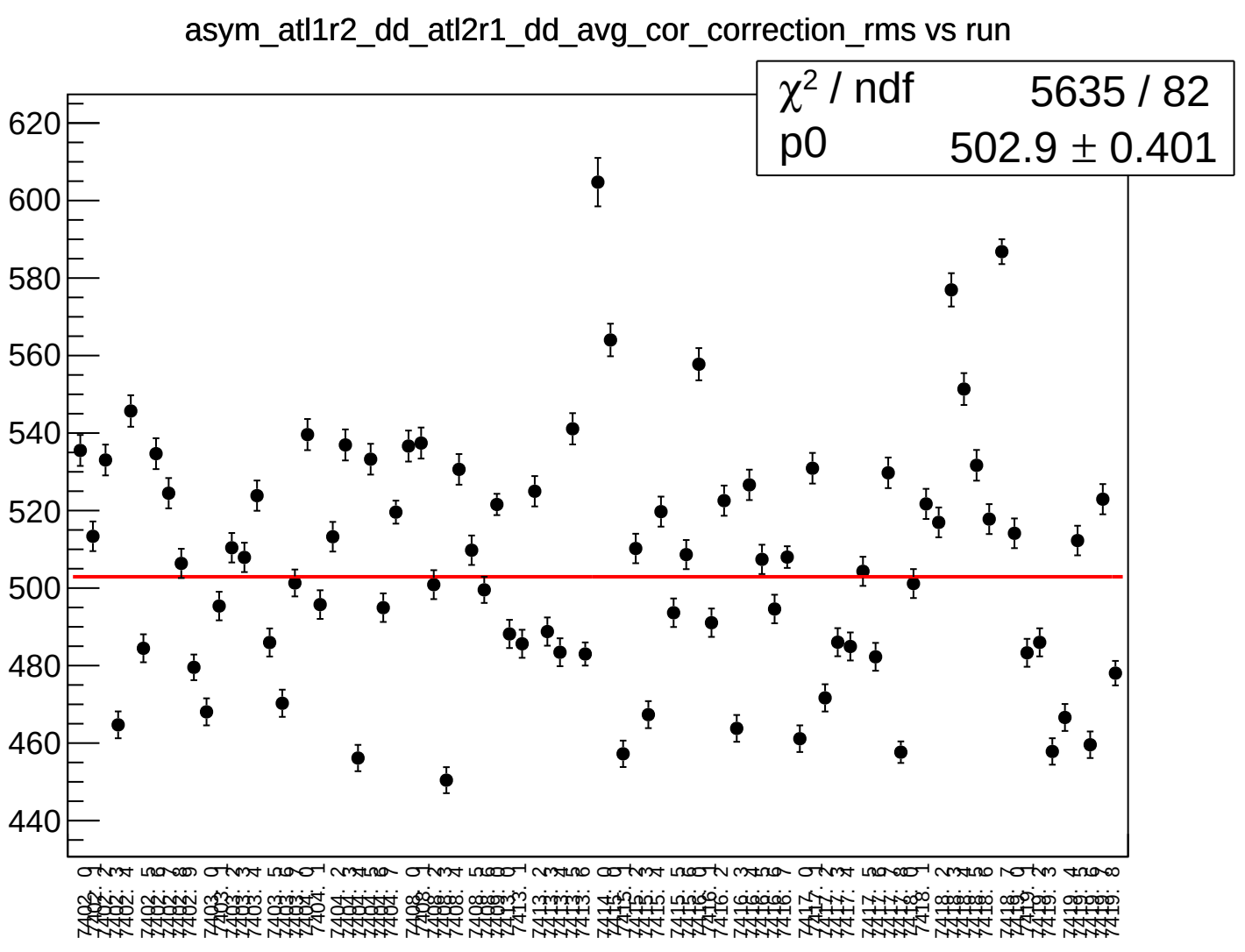

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 90.62 / 82
p0 −2903 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −790.1
Std Dev 0
2
1
0
−1
−2

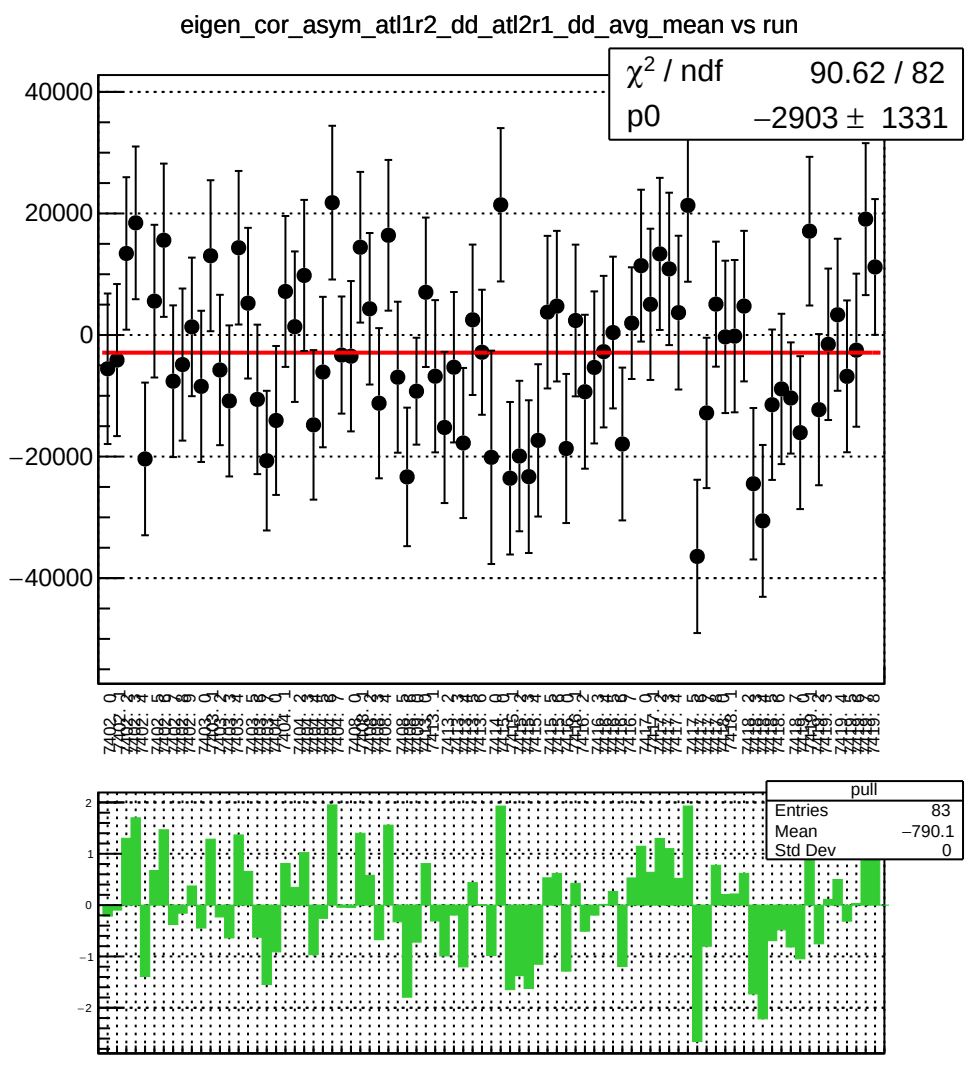

pull1D
Entries 83
Mean 0.002077
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

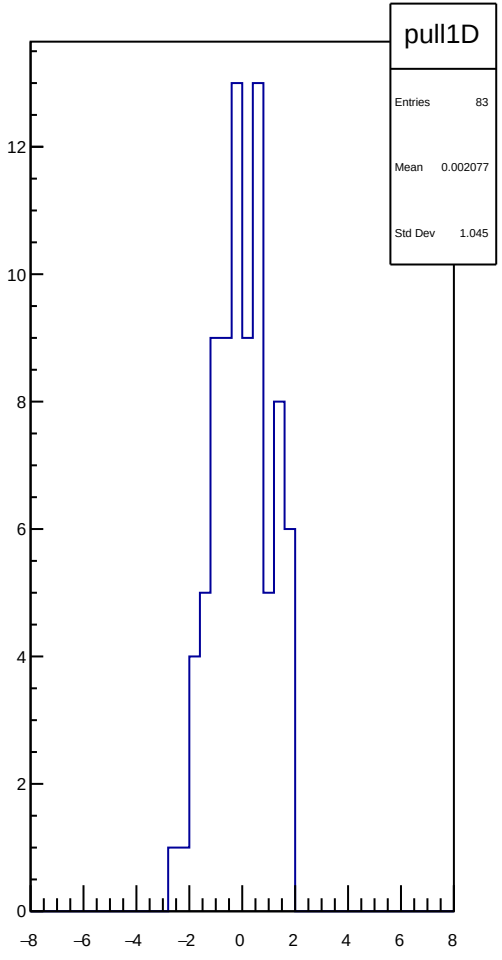

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 99.94 / 82
p0 1183 ± 0.9414
1210
1200
1190
1180
1170
1160
1150

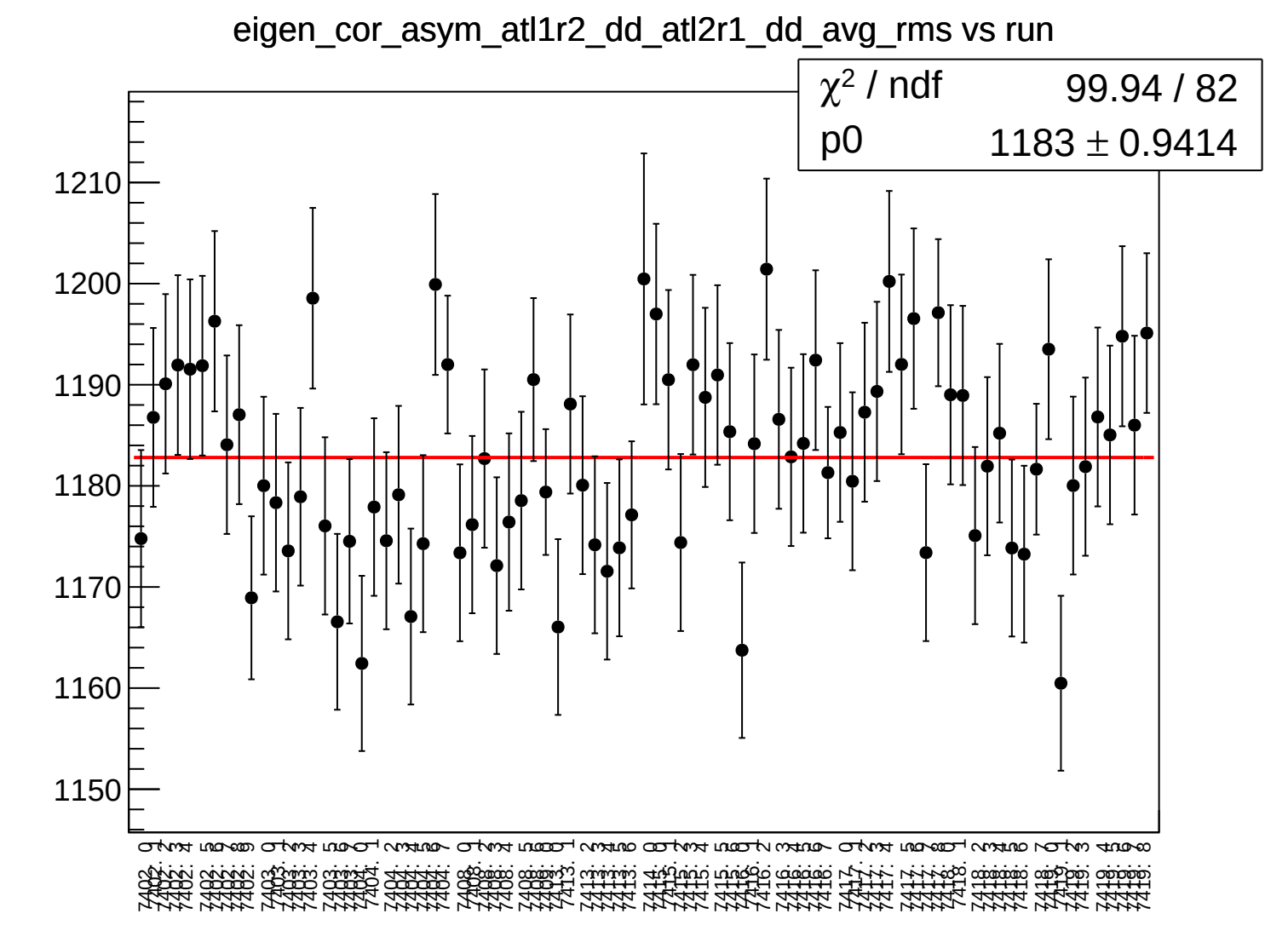

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 75.21 / 82
p0 −156.7 ± 567.1
pull
Entries 83
Mean −185.3
Std Dev 0

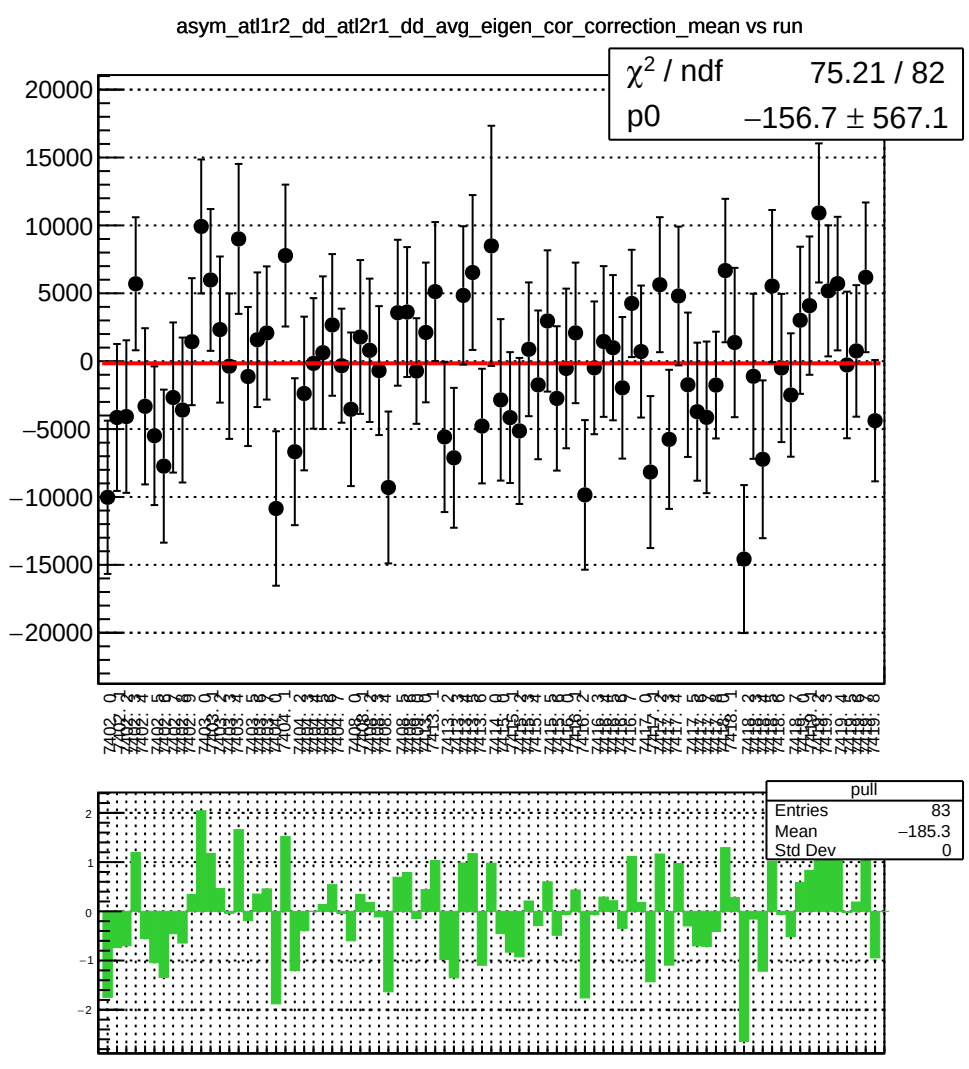

pull1D
Entries 83
Mean −0.01009
Std Dev 0.9519

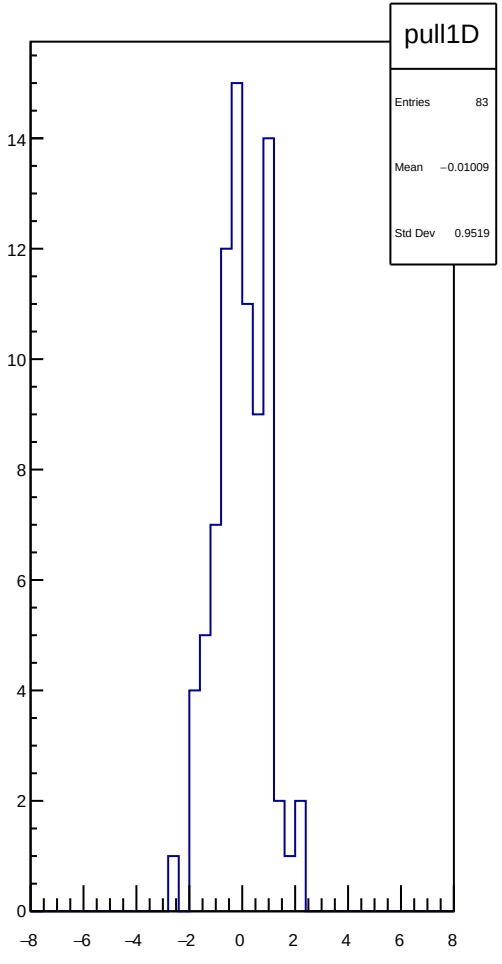

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 5635 / 82
p0 502.9 ± 0.401
620
600
580
560
540
520
500
480
460
440

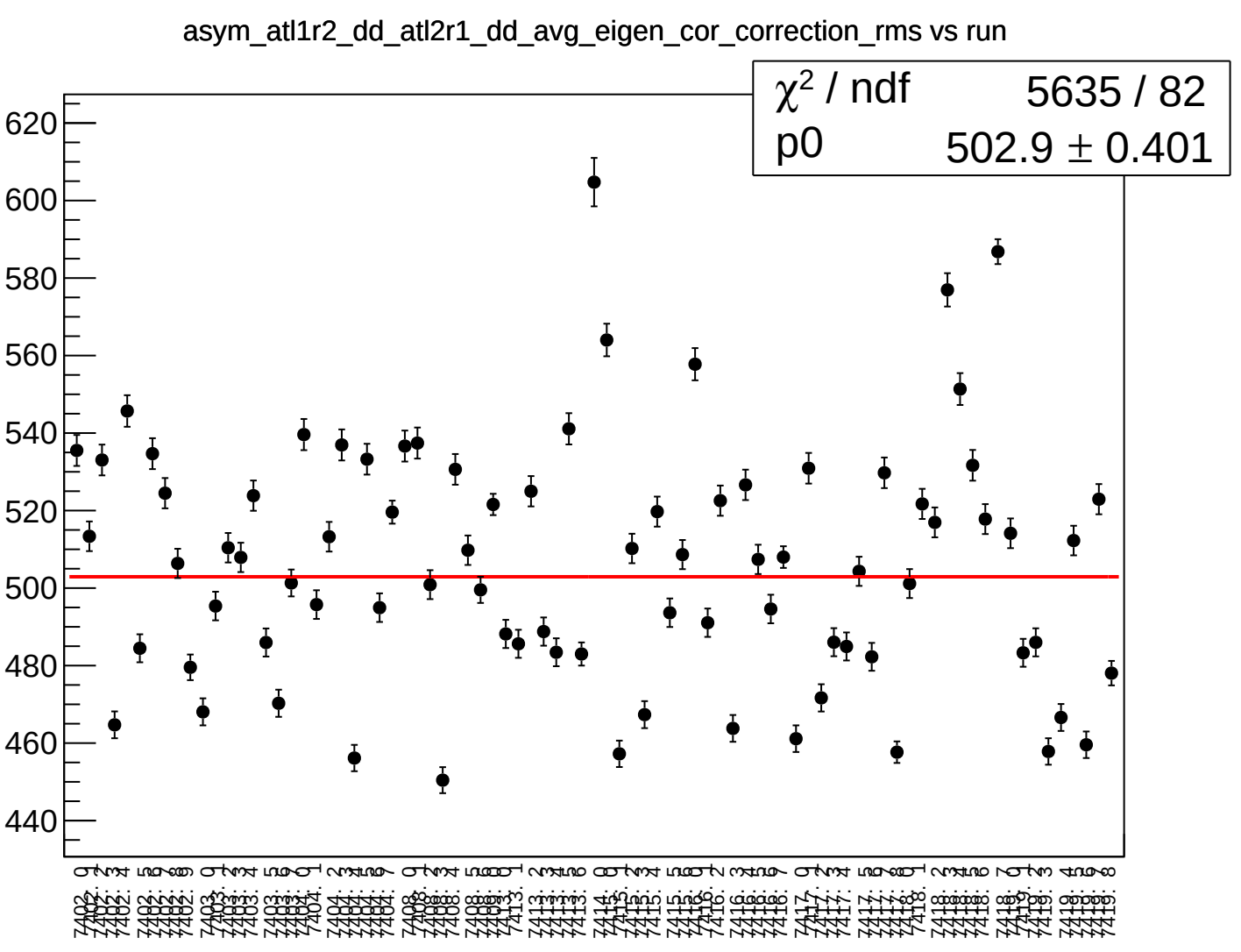

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 90.62 / 82
p0 −2903 ± 1331
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −790.1
Std Dev 0
2
1
0
−1
−2

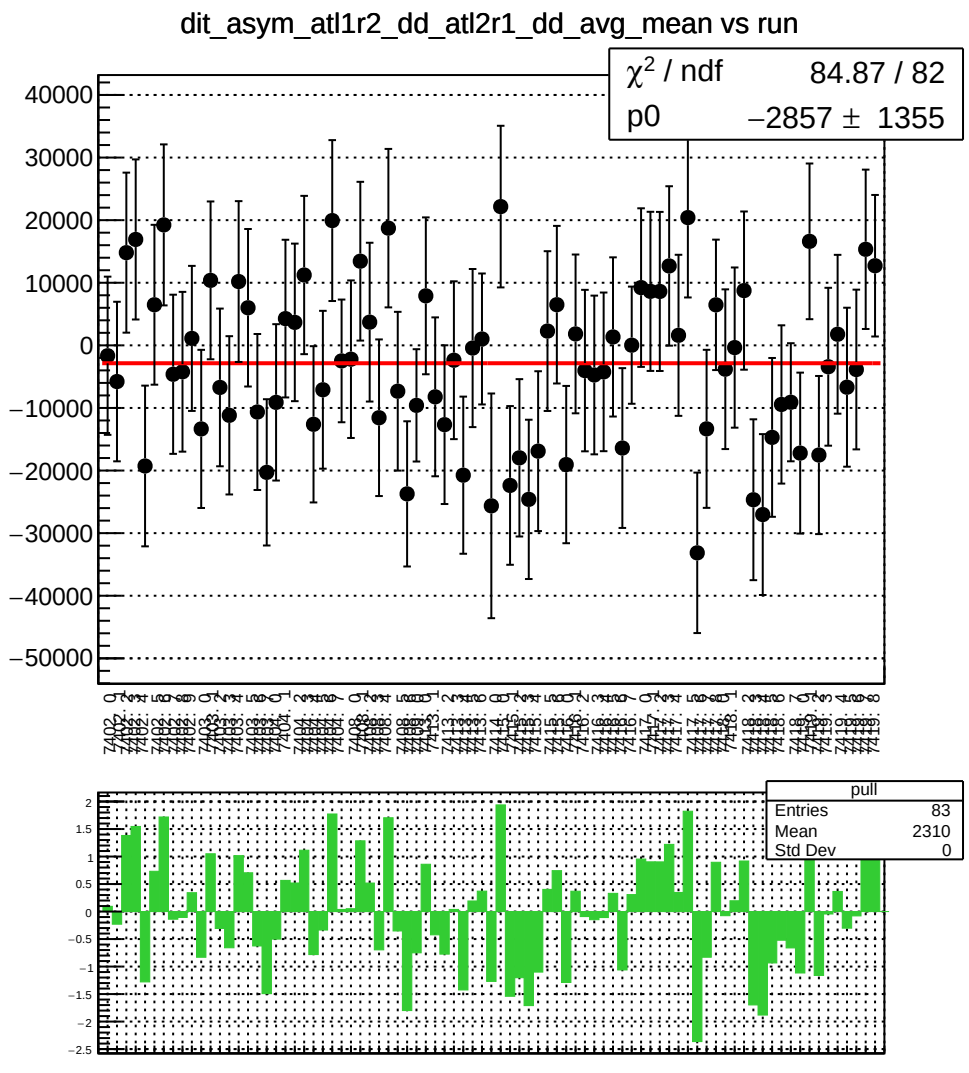

pull1D
Entries 83
Mean 0.002077
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

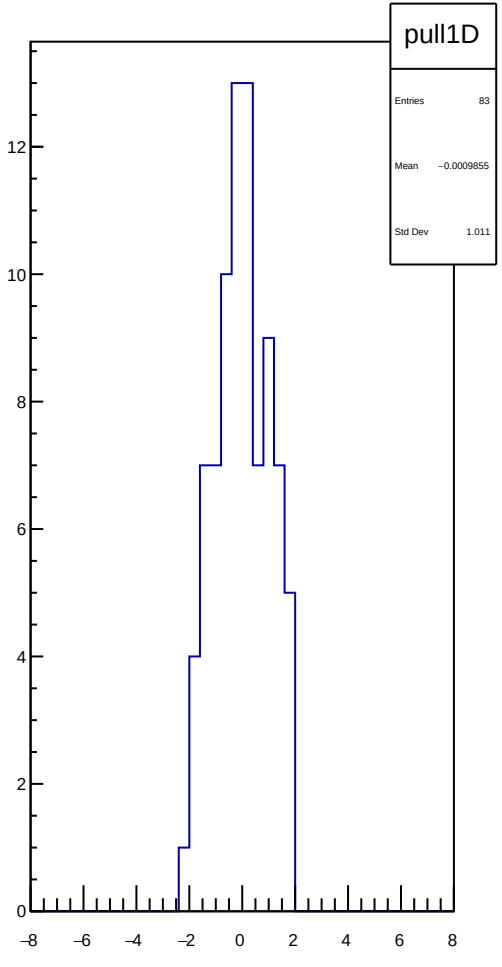

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 99.94 / 82
p0 1183 ± 0.9414
1210
1200
1190
1180
1170
1160
1150

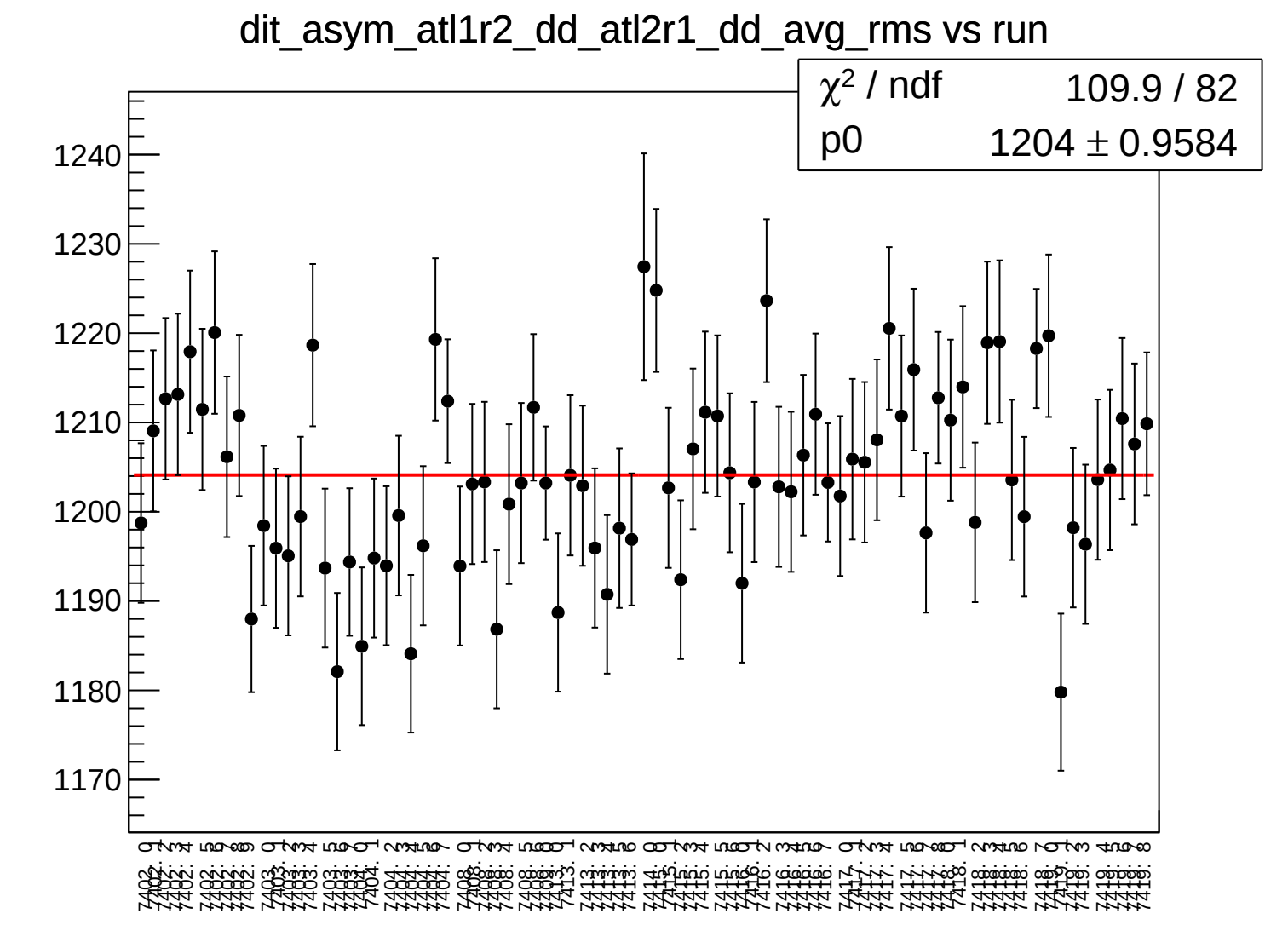

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.21 / 82
p0 −156.7 ± 567.1
pull
Entries 83
Mean −185.3
Std Dev 0

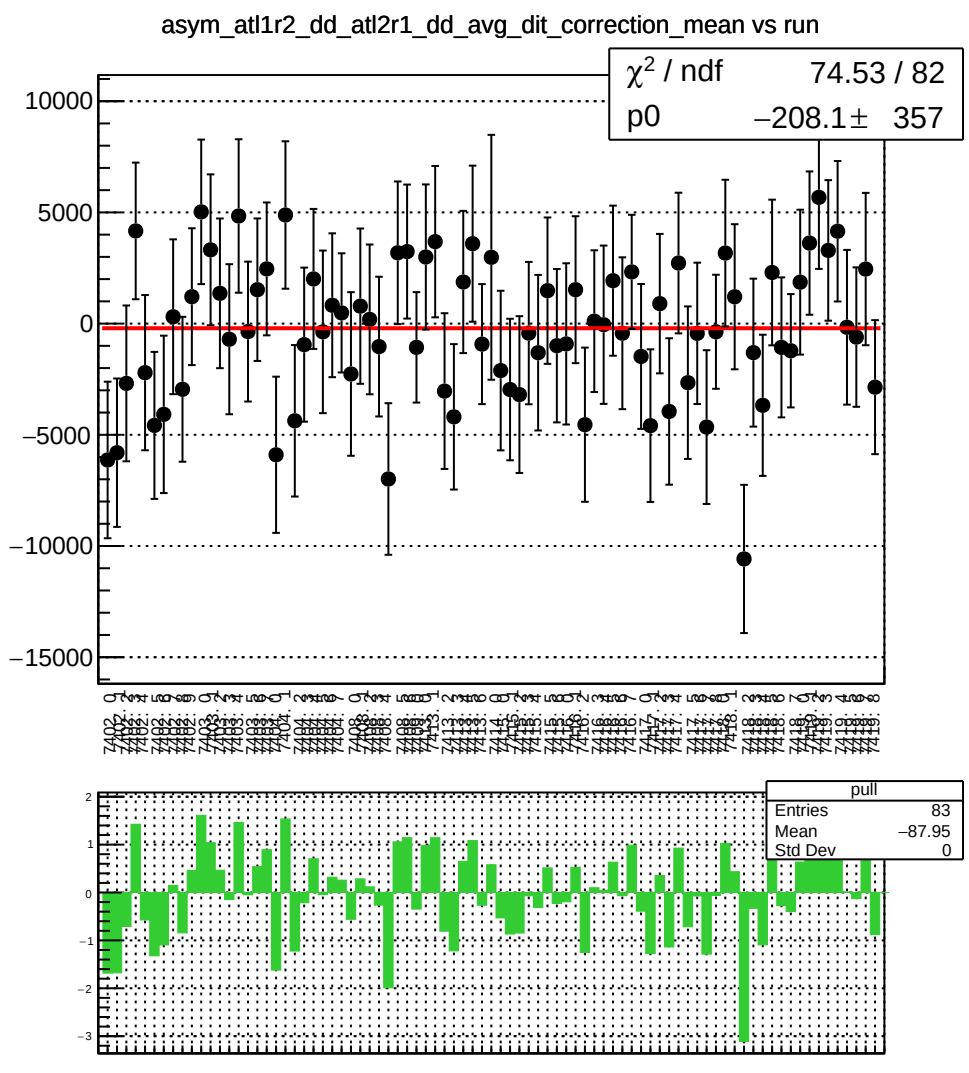

pull1D
Entries 83
Mean −0.01009
Std Dev 0.9519

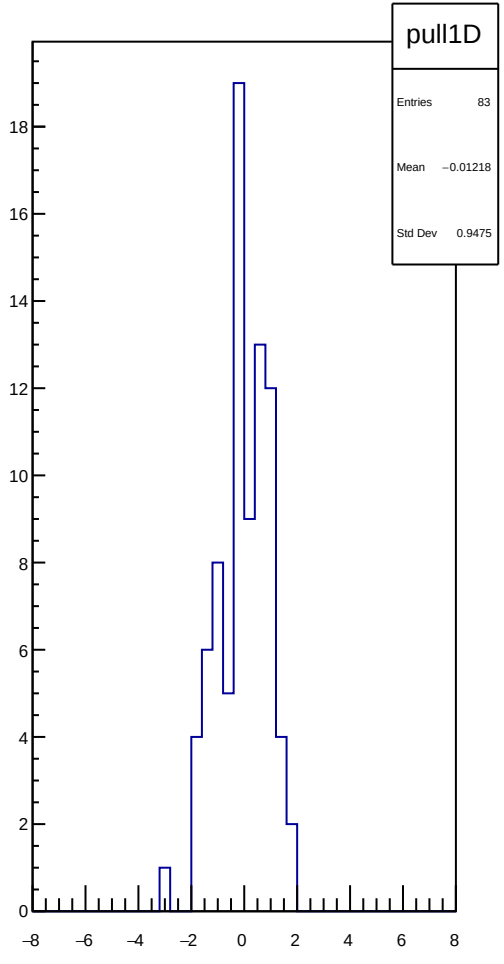

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 5635 / 82
p0 502.9 ± 0.401
620
600
580
560
540
520
500
480
460
440

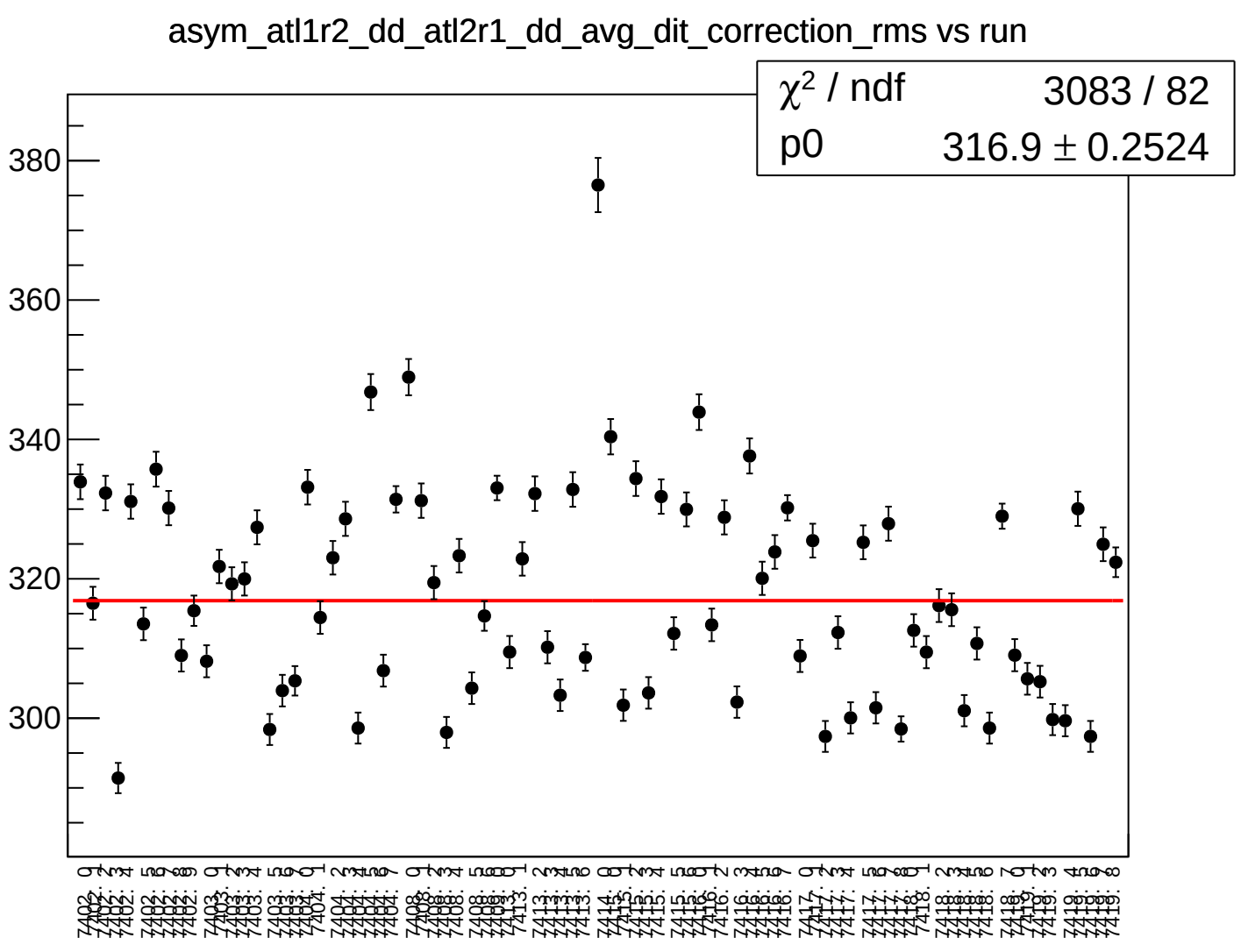

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 84.87 / 82
p0 −2857 ± 1355
pull
Entries 83
Mean 2310
Std Dev 0

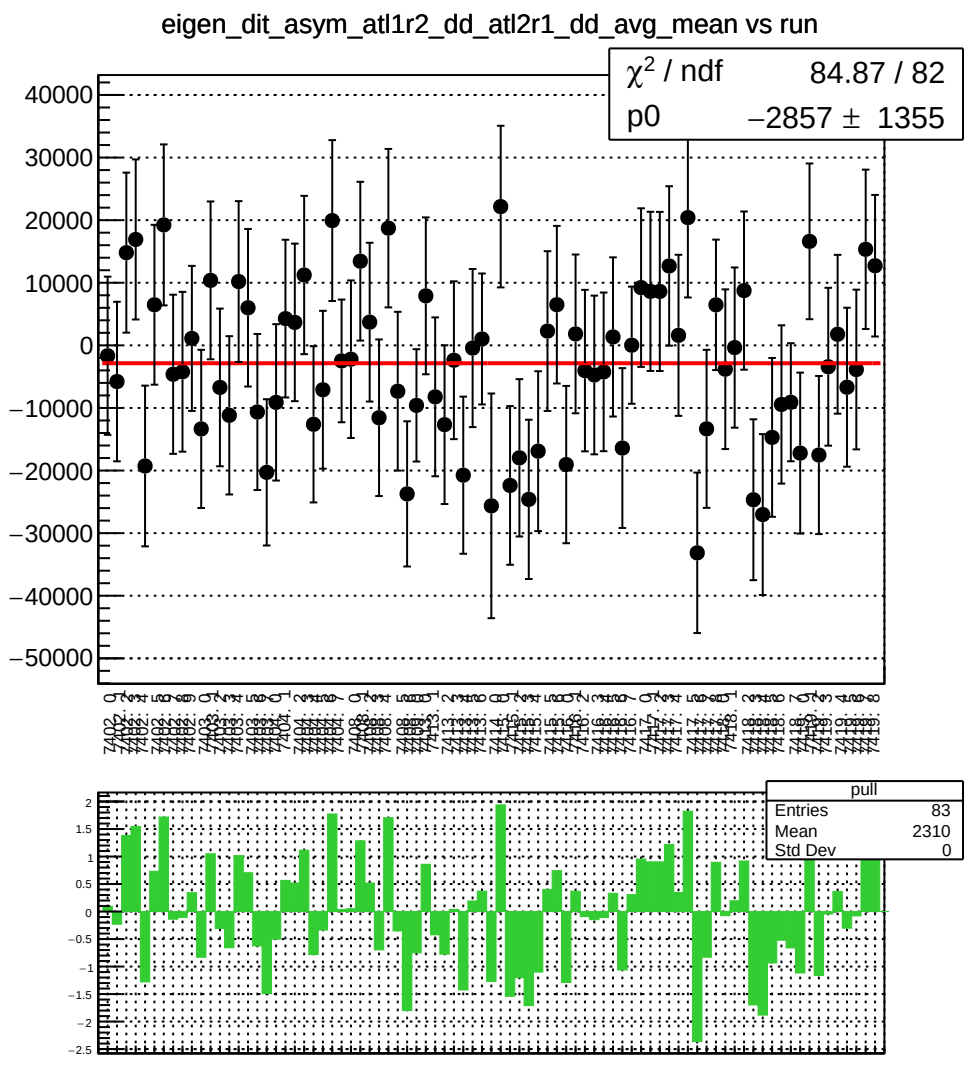

pull1D
Entries 83
Mean −0.0009855
Std Dev 1.011

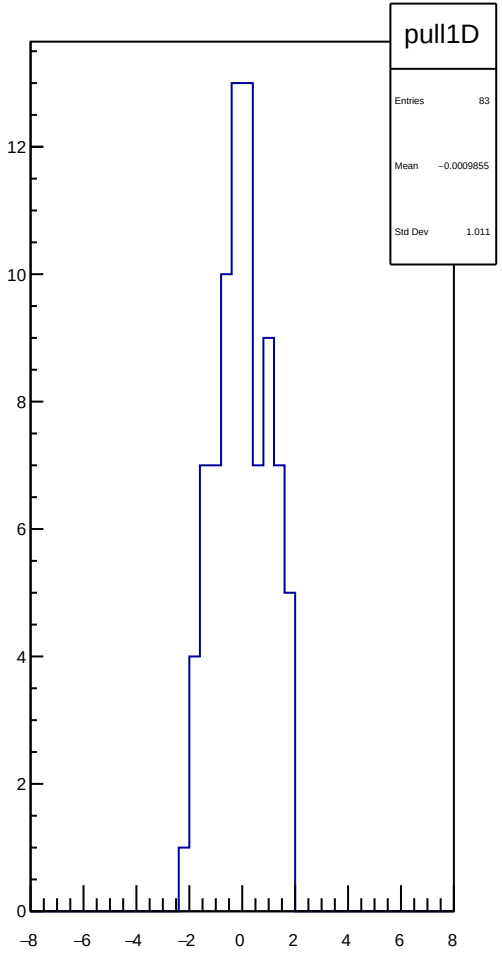

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 109.9 / 82
p0 1204 ± 0.9584
1240
1230
1220
1210
1200
1190
1180
1170

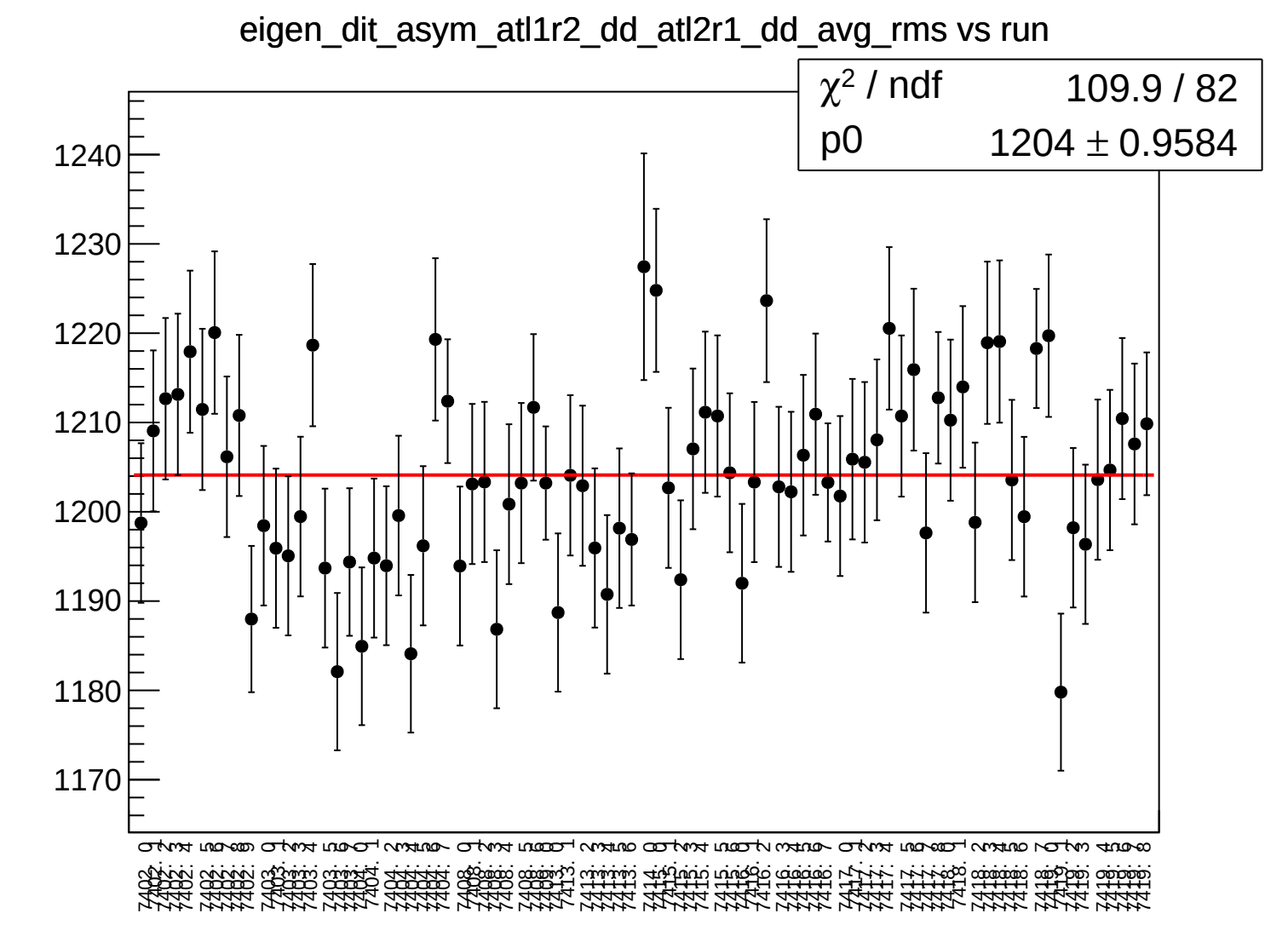

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 74.53 / 82
p0 −208.1± 357
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −87.95
Std Dev 0
2
1
0
−1
−2
−3

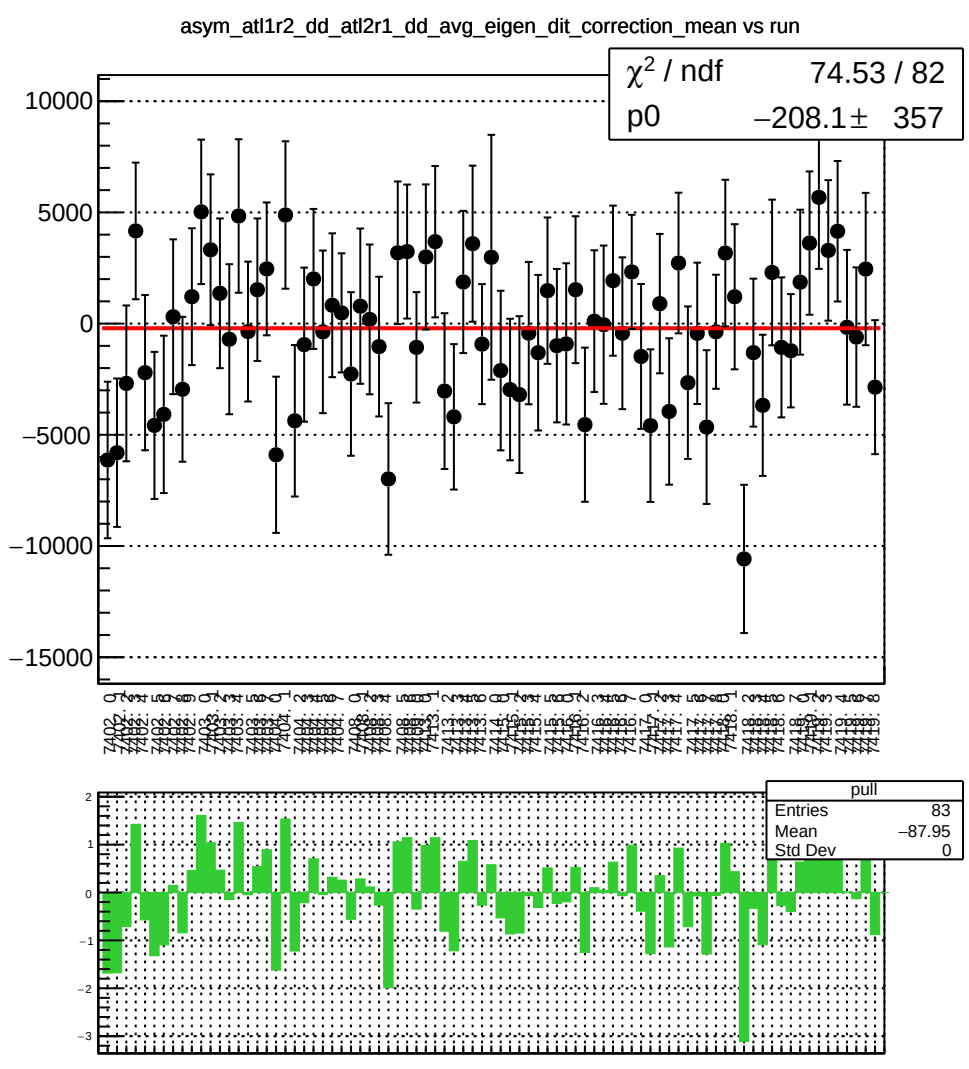

pull1D
Entries 83
Mean −0.01218
Std Dev 0.9475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

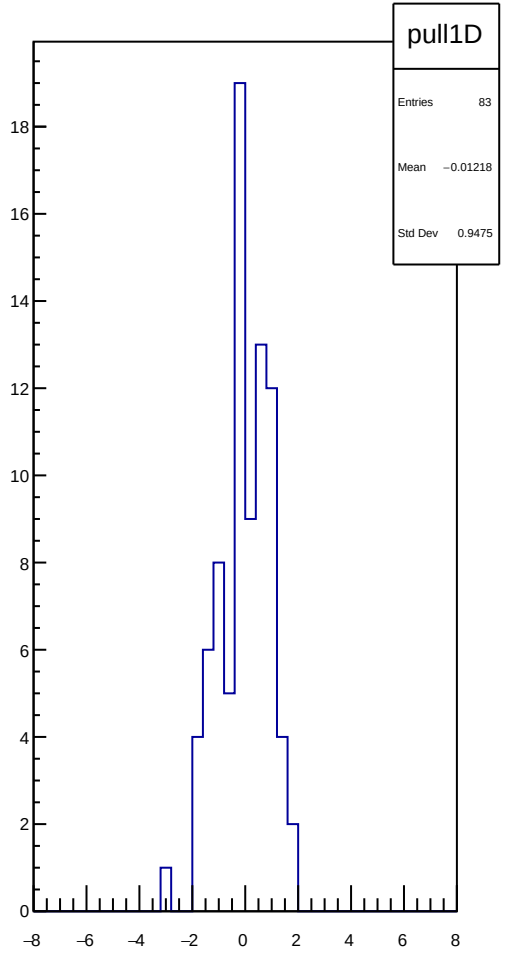

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 3083 / 82
p0 316.9 ± 0.2524
380
360
340
320
300

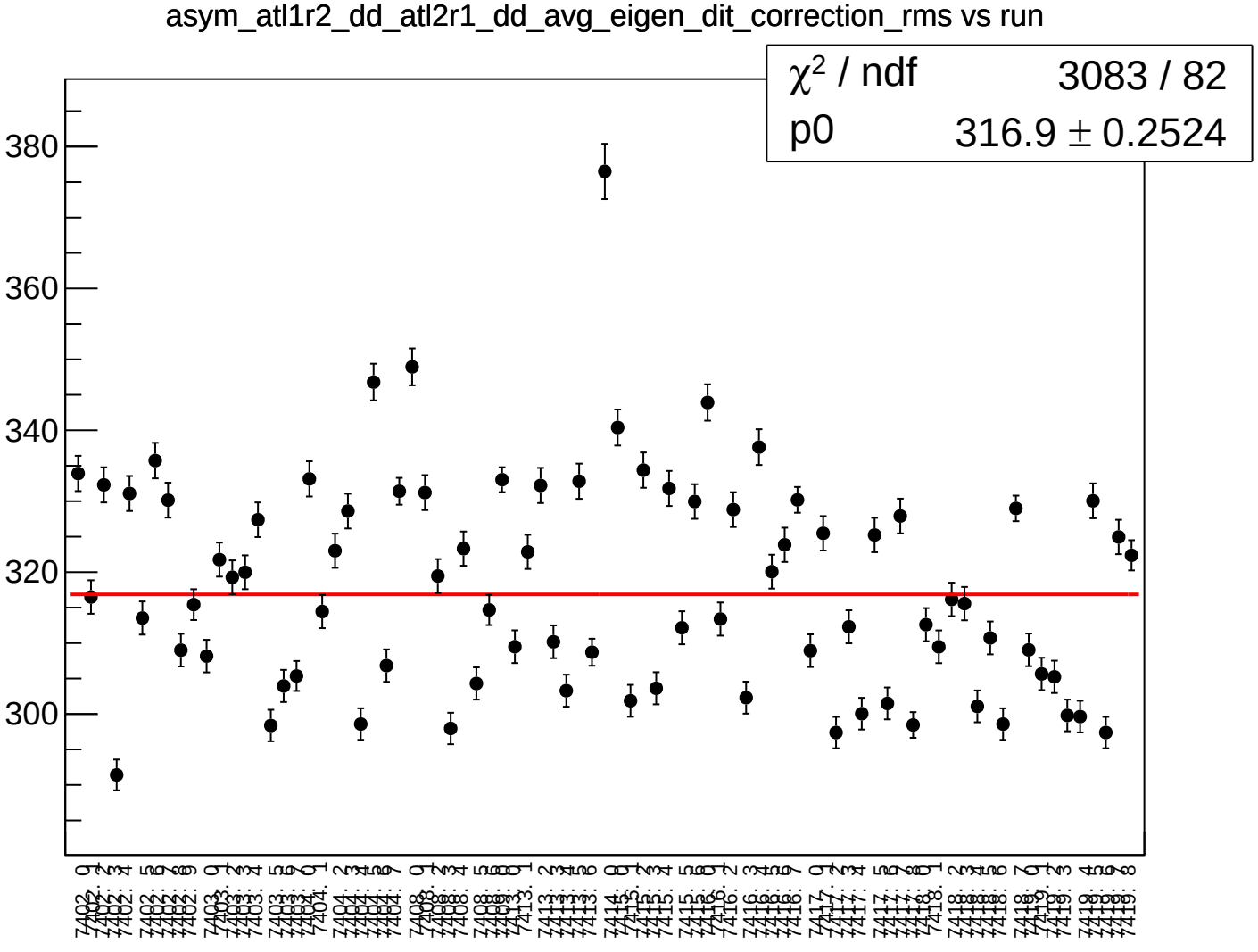

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 84.87 / 82
p0 −2857 ± 1355
pull
Entries 83
Mean 2310
Std Dev 0

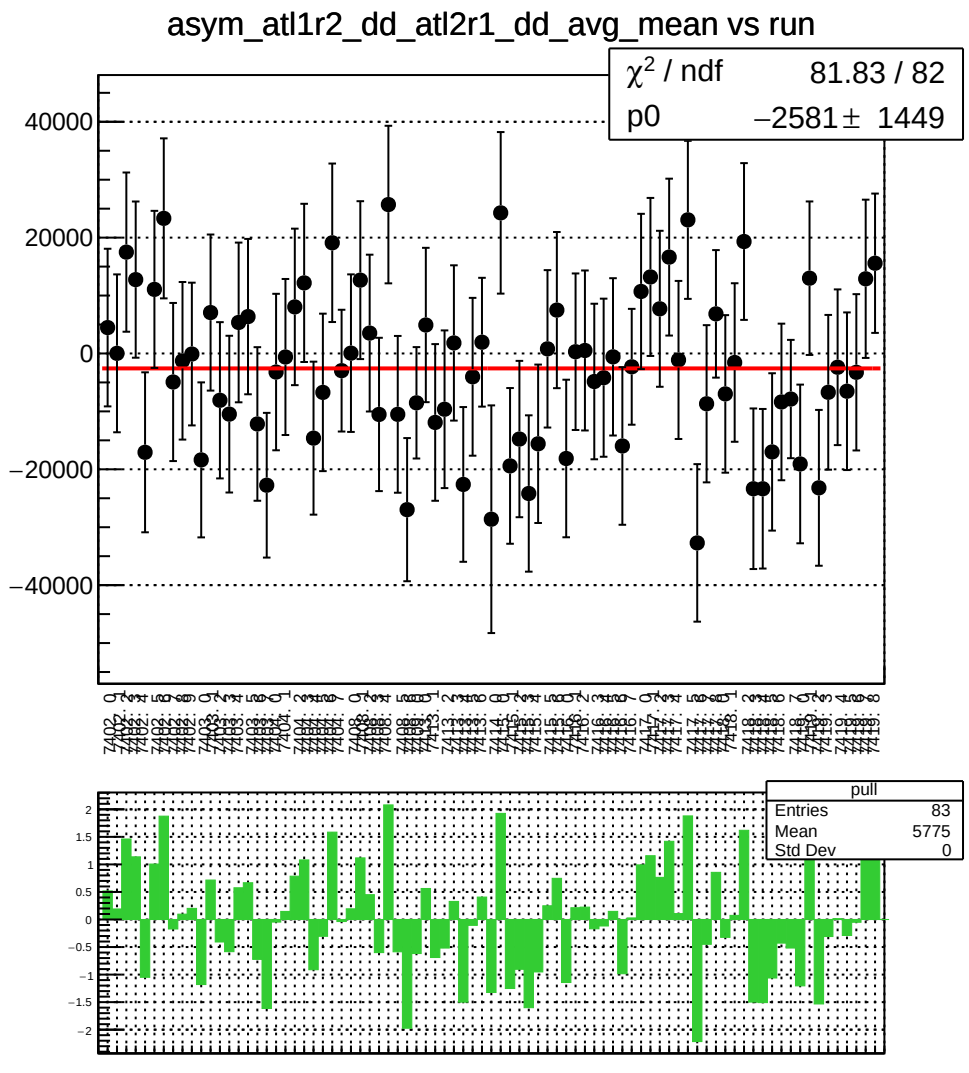

pull1D
Entries 83
Mean −0.0009855
Std Dev 1.011

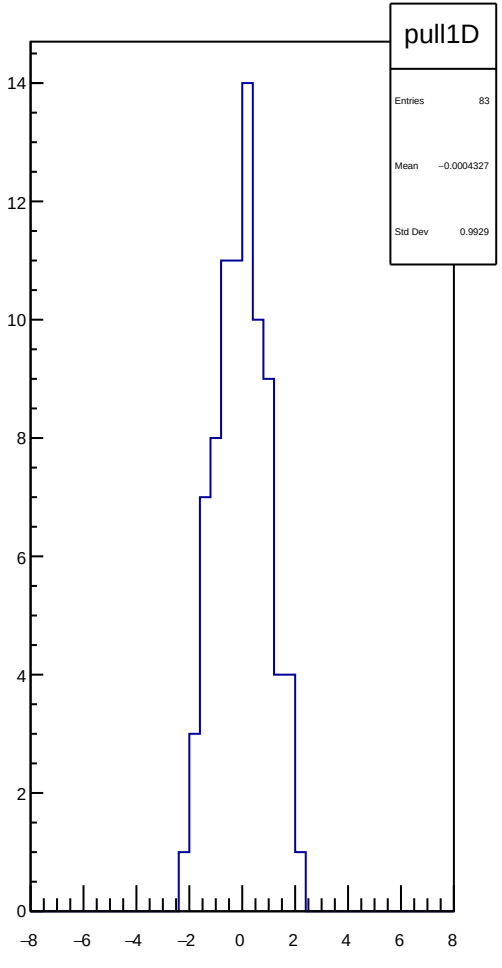

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 109.9 / 82
p0 1204 ± 0.9584
1240
1230
1220
1210
1200
1190
1180
1170

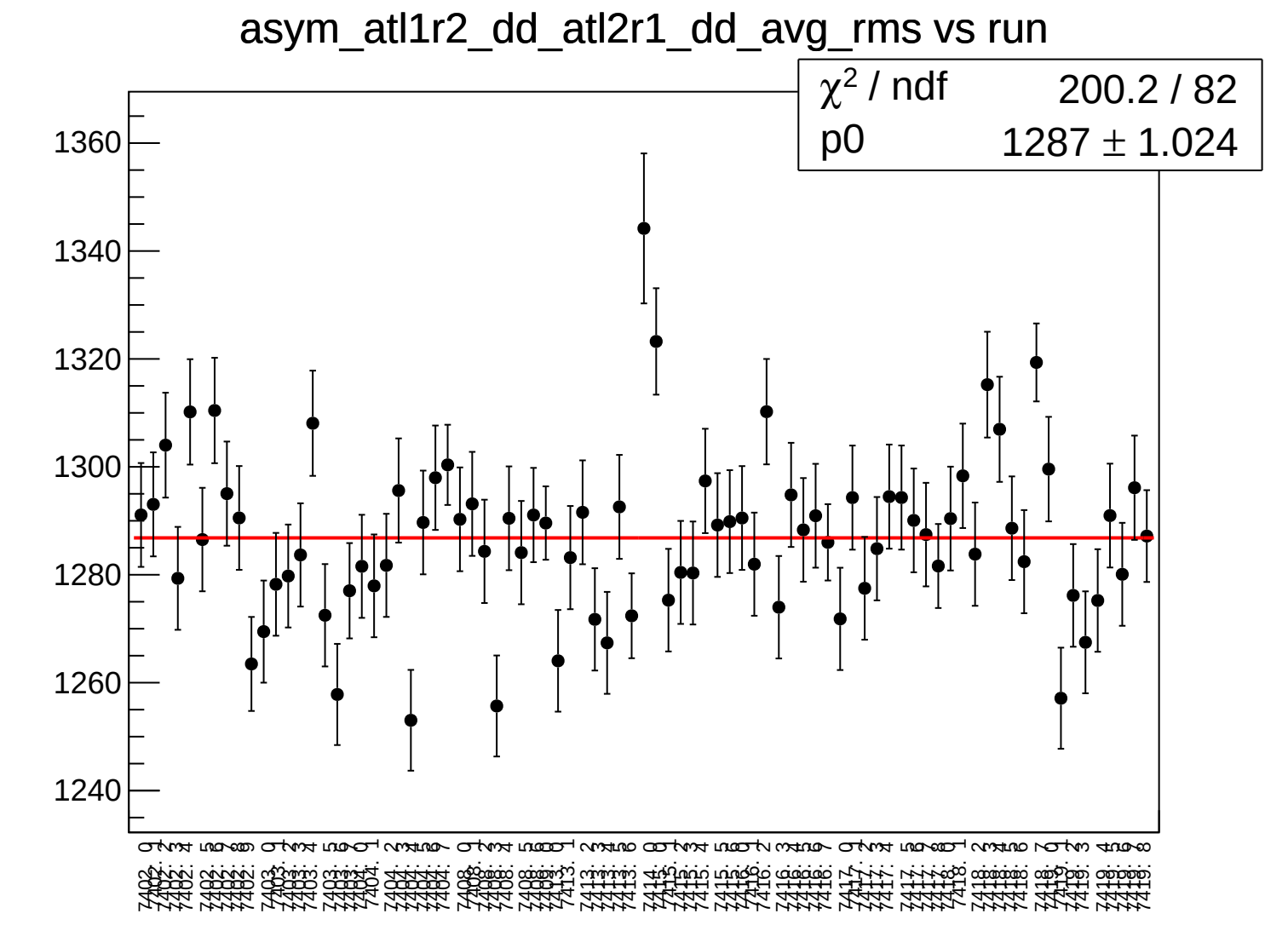

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 74.53 / 82
p0 −208.1± 357
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −87.95
Std Dev 0
2
1
0
−1
−2
−3

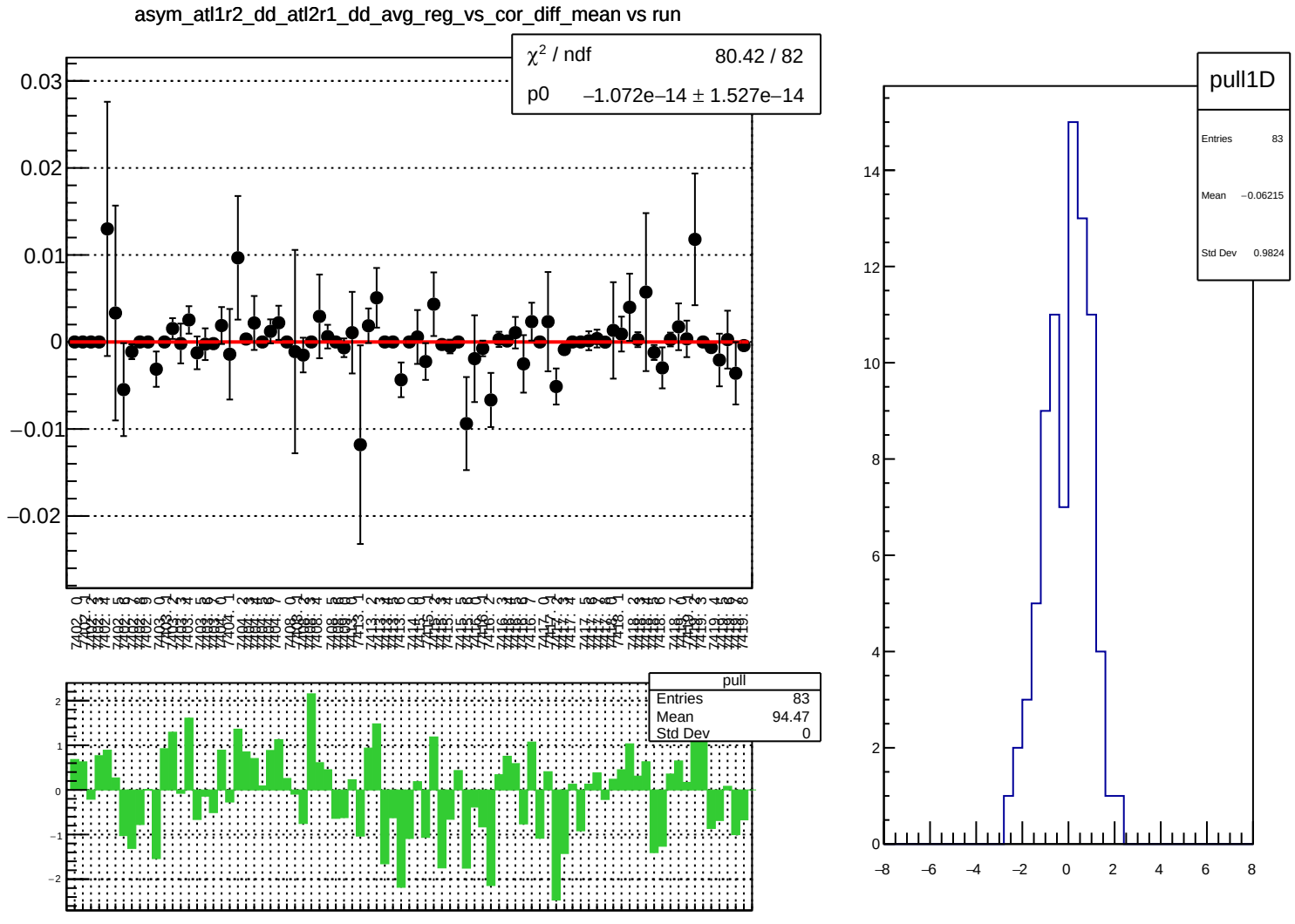

pull1D
Entries 83
Mean −0.01218
Std Dev 0.9475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

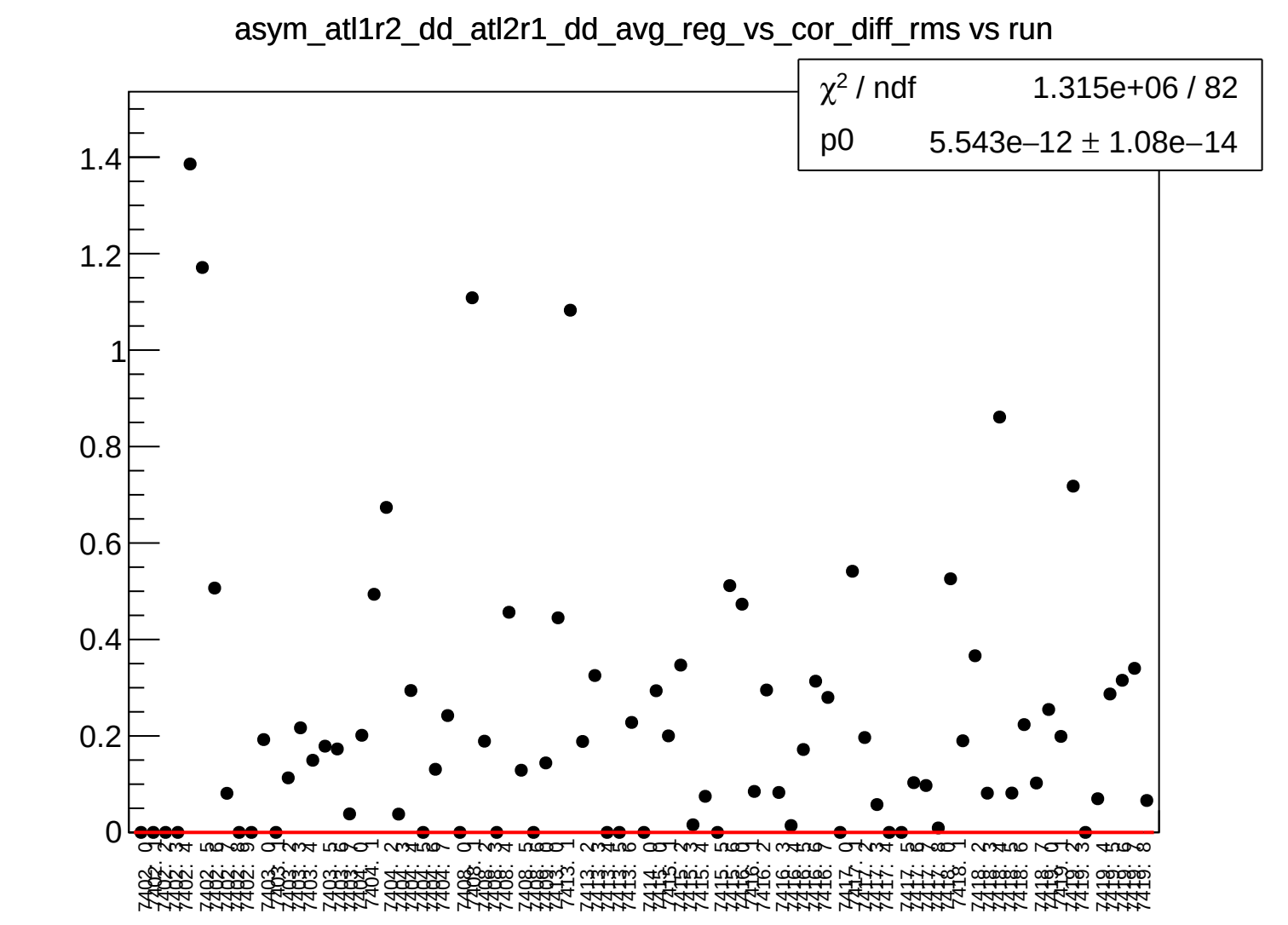

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3083 / 82
p0 316.9 ± 0.2524
380
360
340
320
300

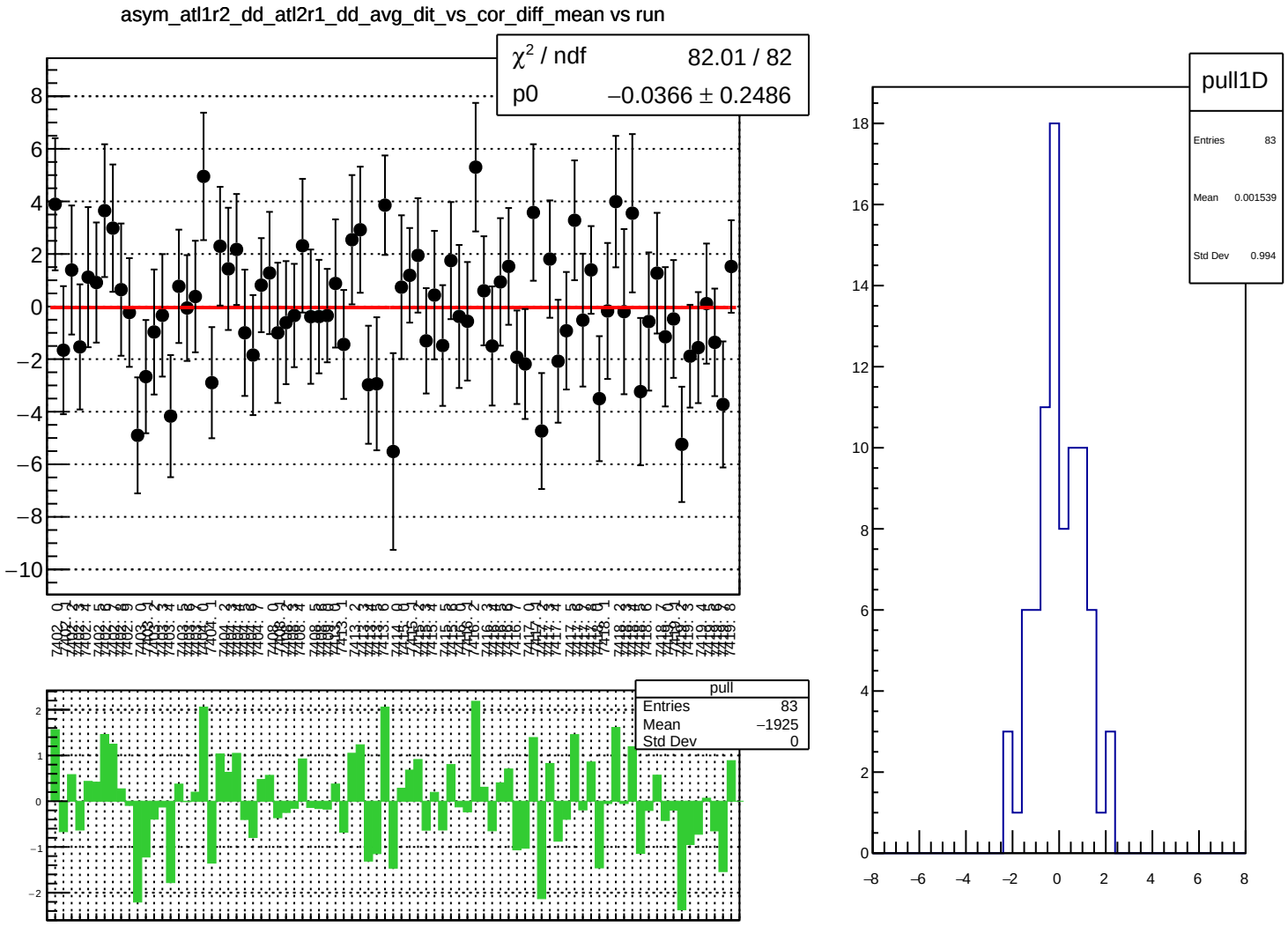

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 81.83 / 82
p0 −2581 ± 1449
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 5775
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

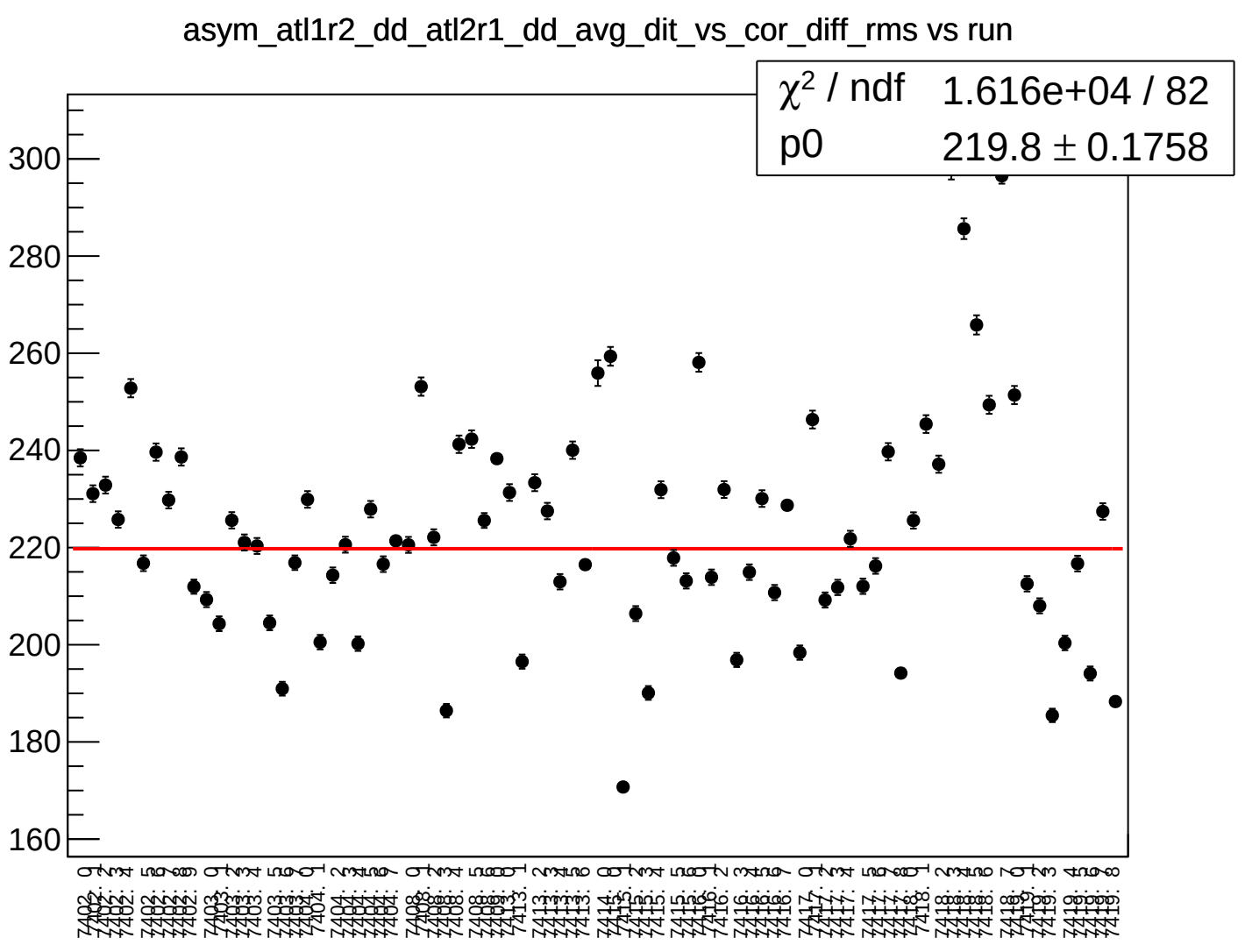

pull1D
Entries 83
Mean −0.0004327
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

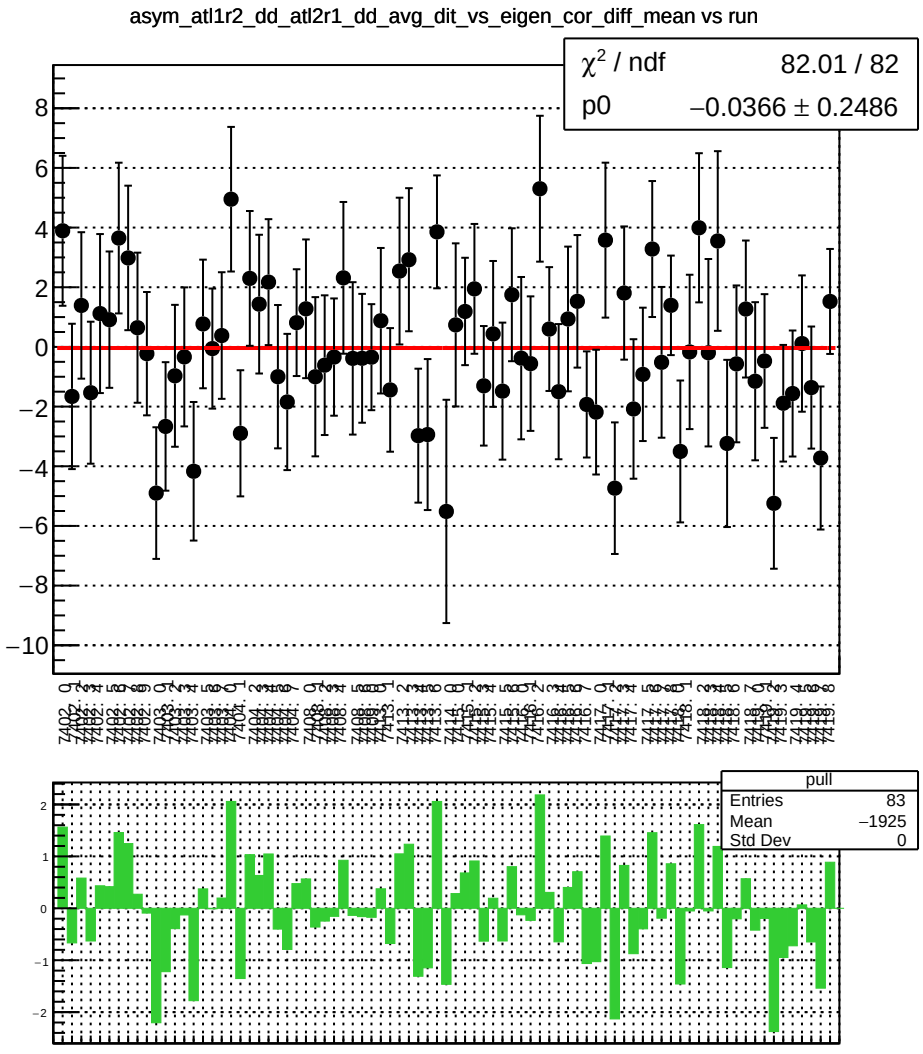

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 200.2 / 82
p0 1287 ± 1.024
1360
1340
1320
1300
1280
1260
1240

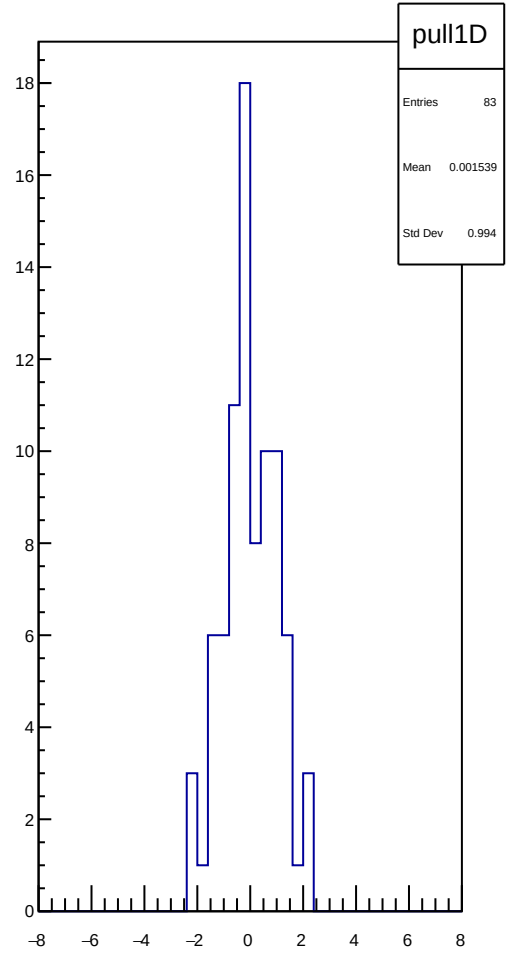

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 80.42 / 82
p0 −1.072e−14 ± 1.527e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 94.47
Std Dev 0
pull1D
Entries 83
Mean −0.06215
Std Dev 0.9824
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

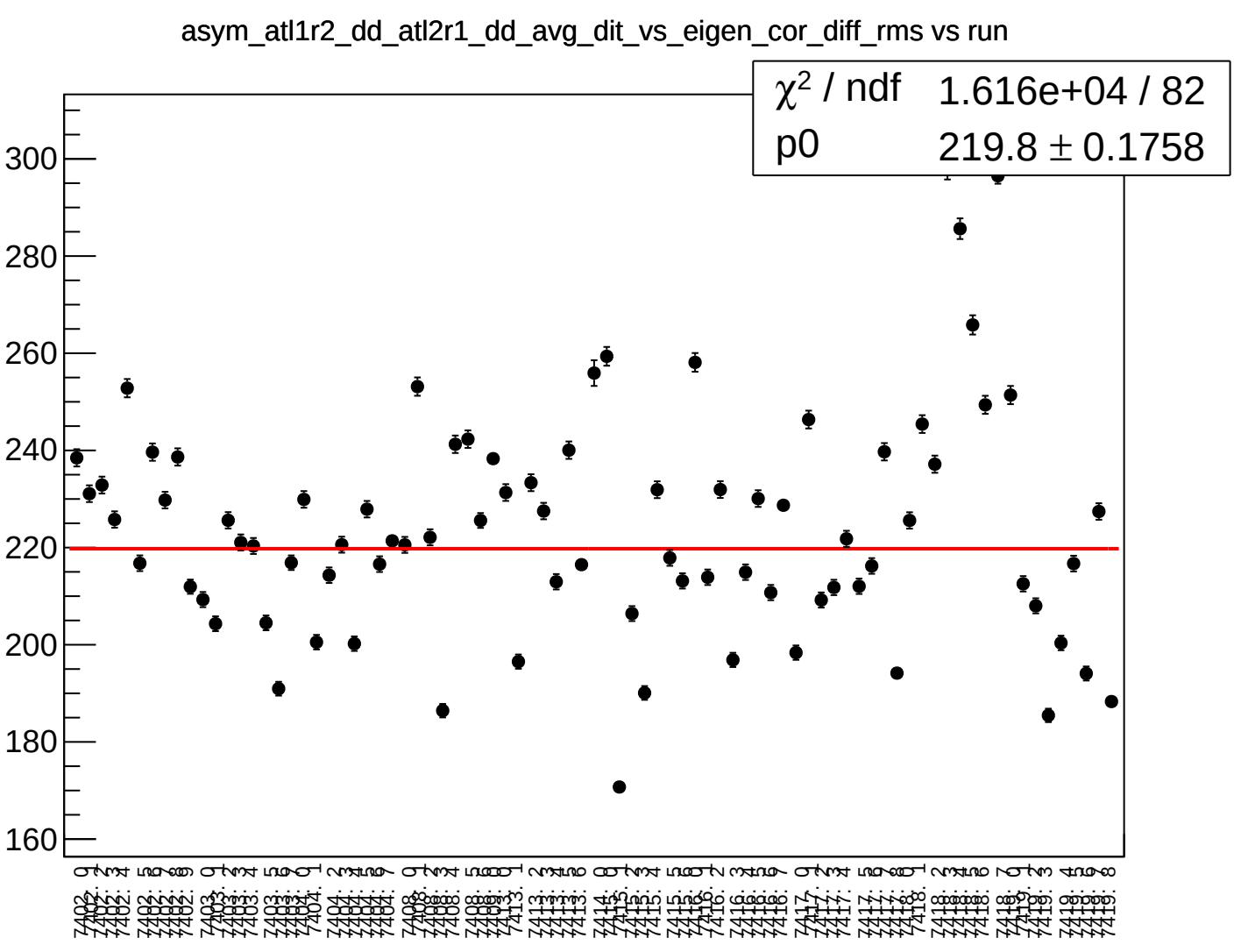

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.315e+06 / 82
p0 5.543e−12 ± 1.08e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

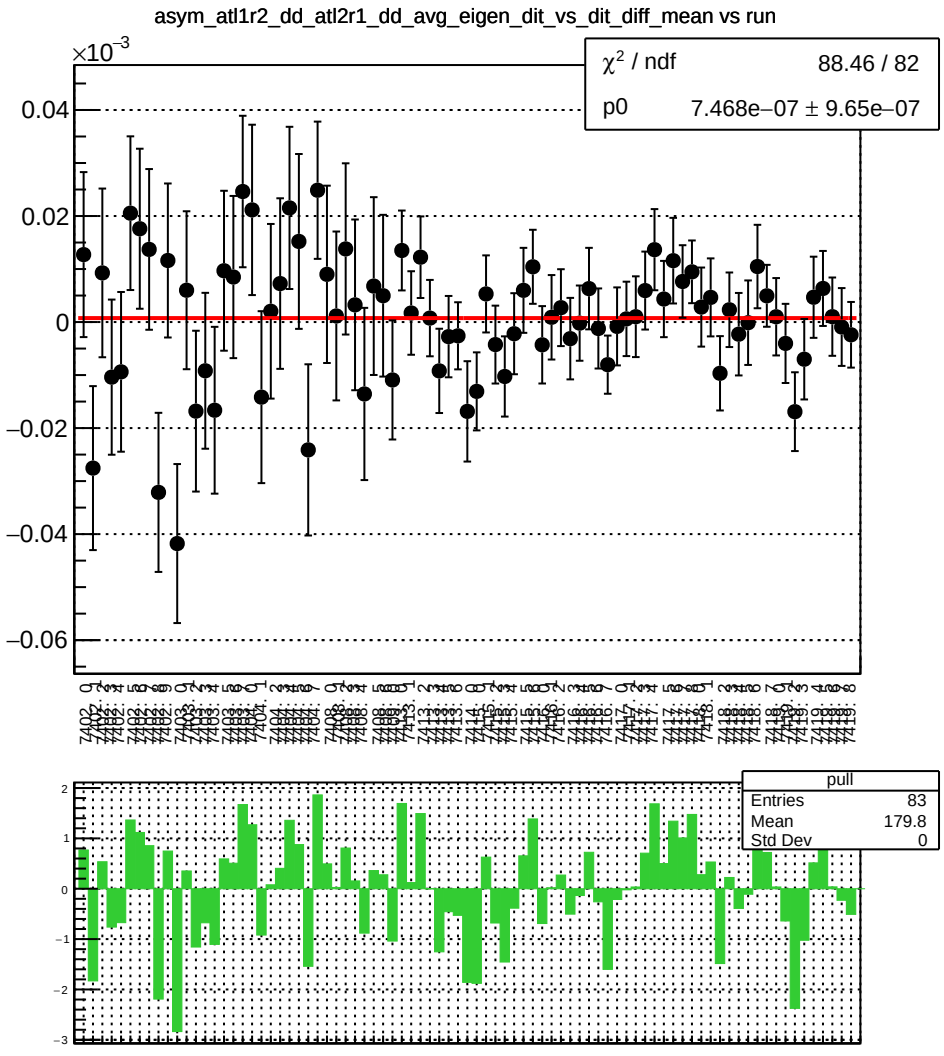

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0
pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

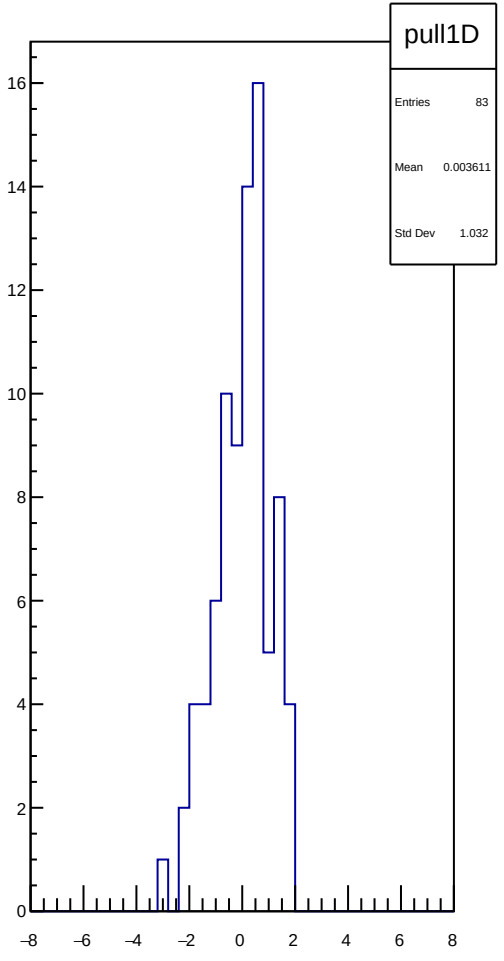

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

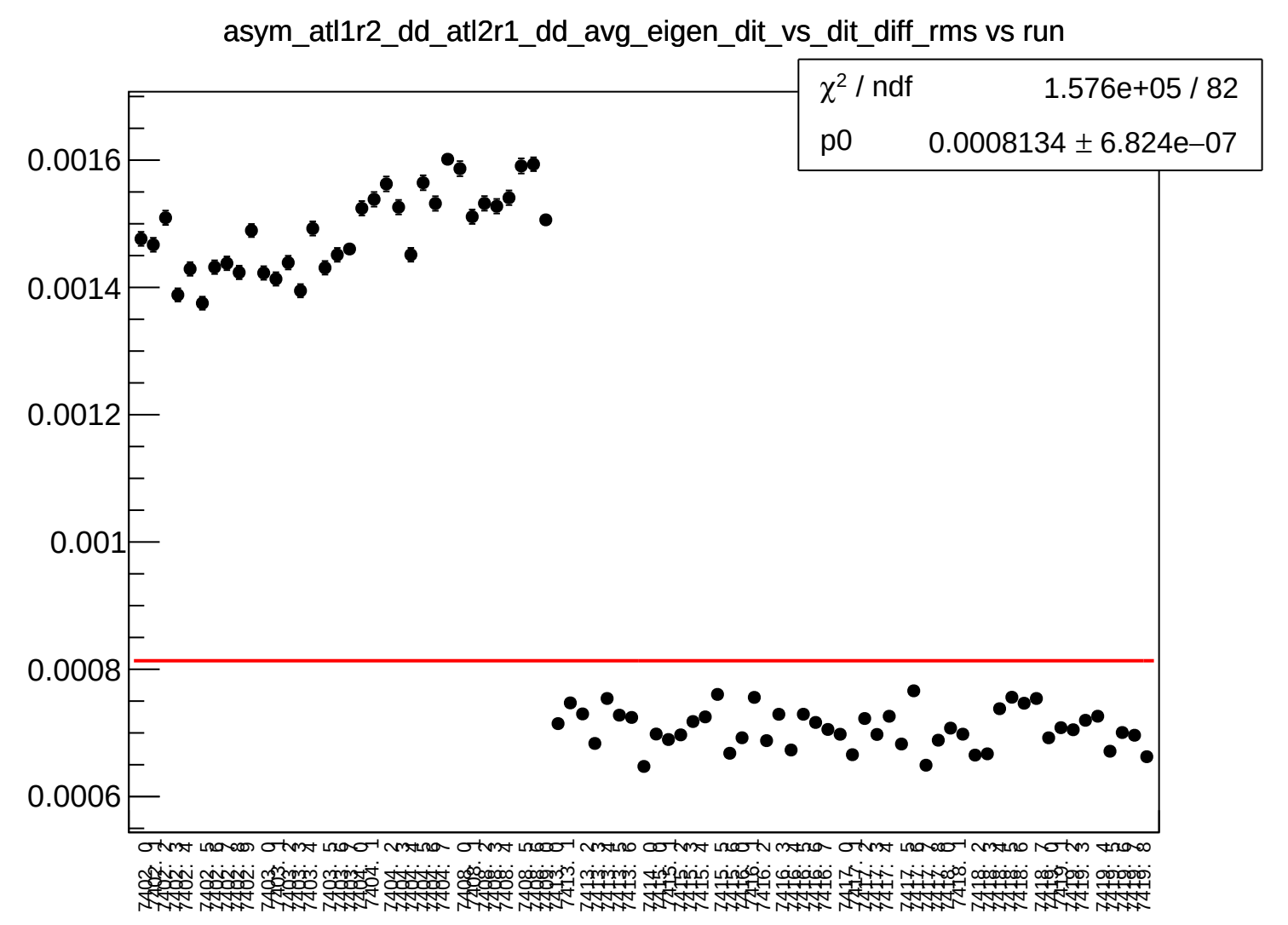

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

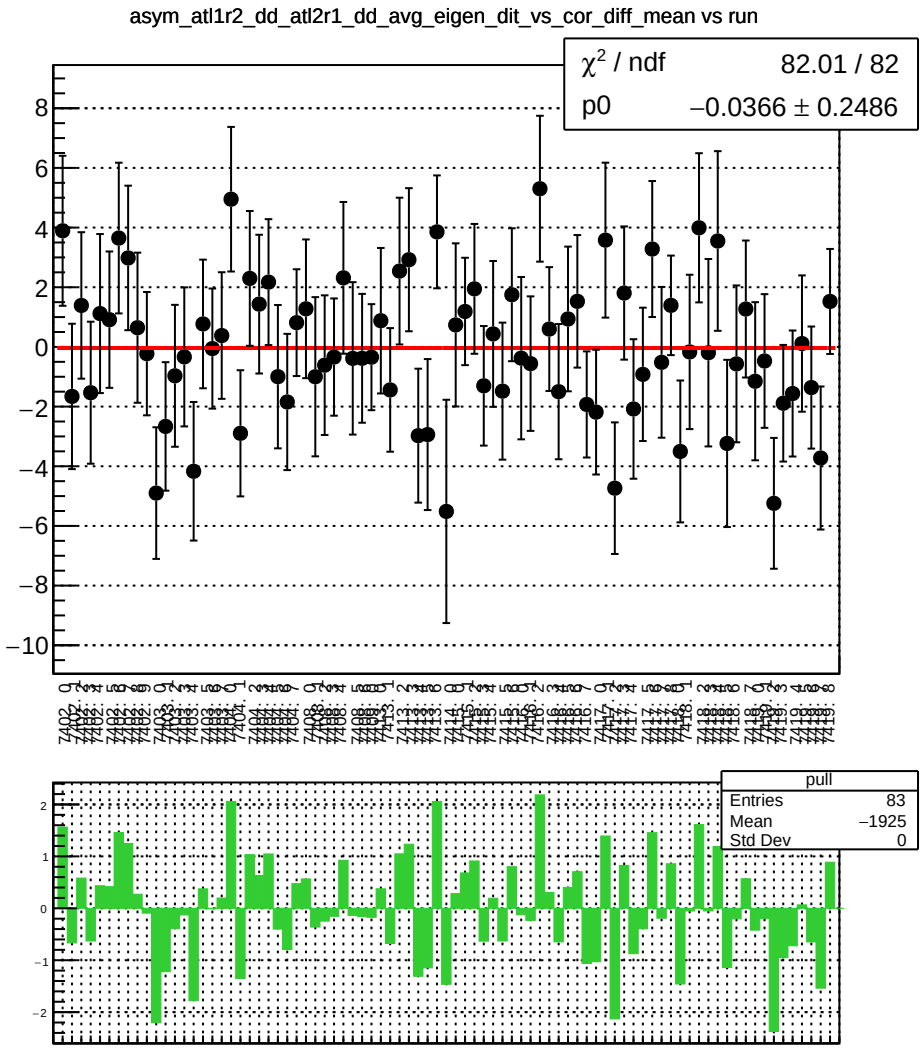

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

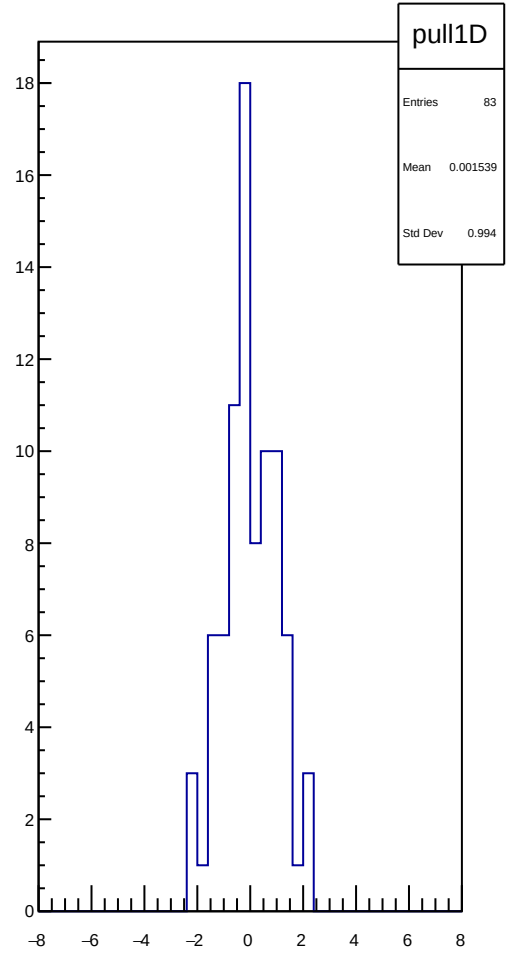

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

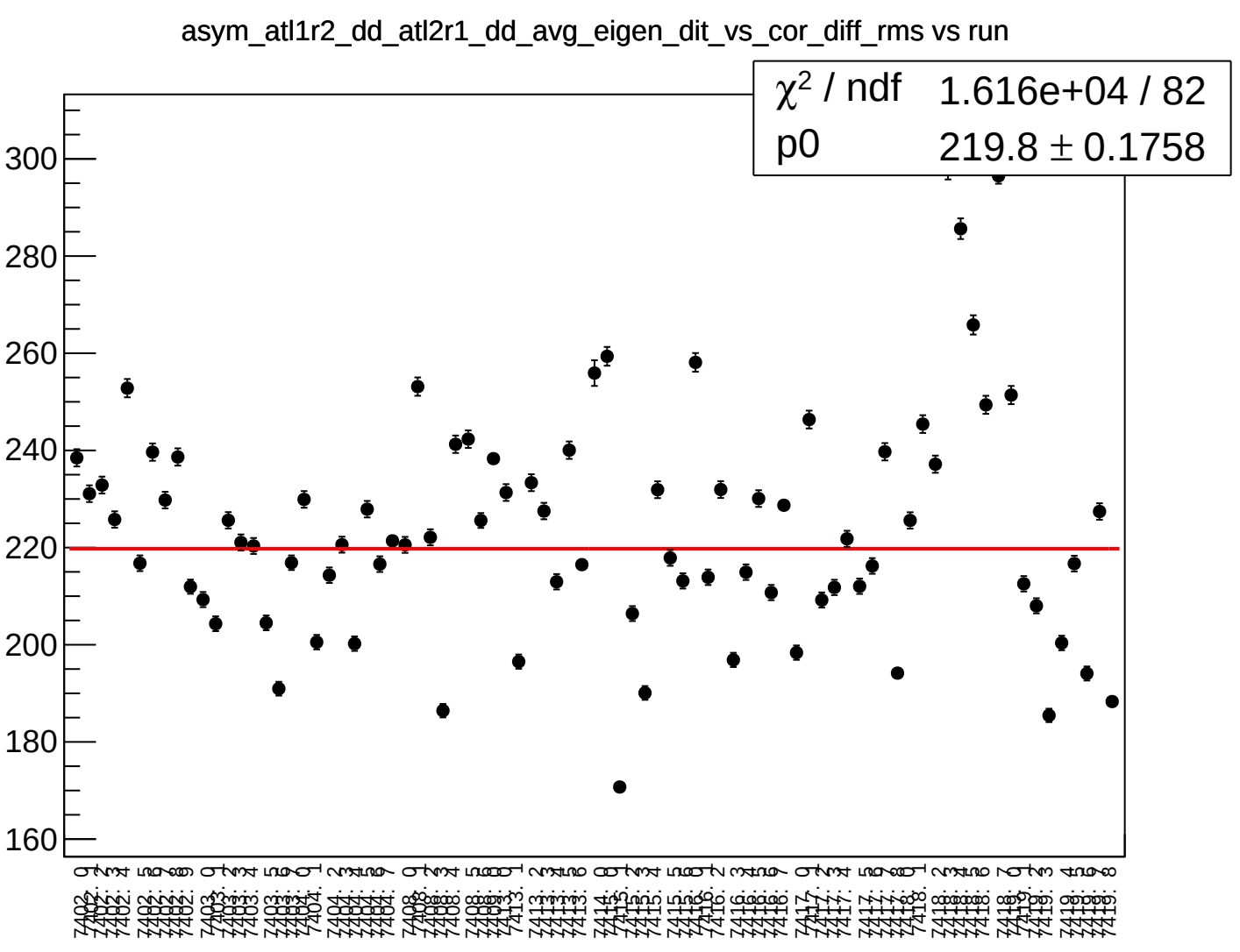

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.46 / 82
p0 7.468e−07 ± 9.65e−07
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 83
Mean 179.8
Std Dev 0
2
1
0
−1
−2
−3

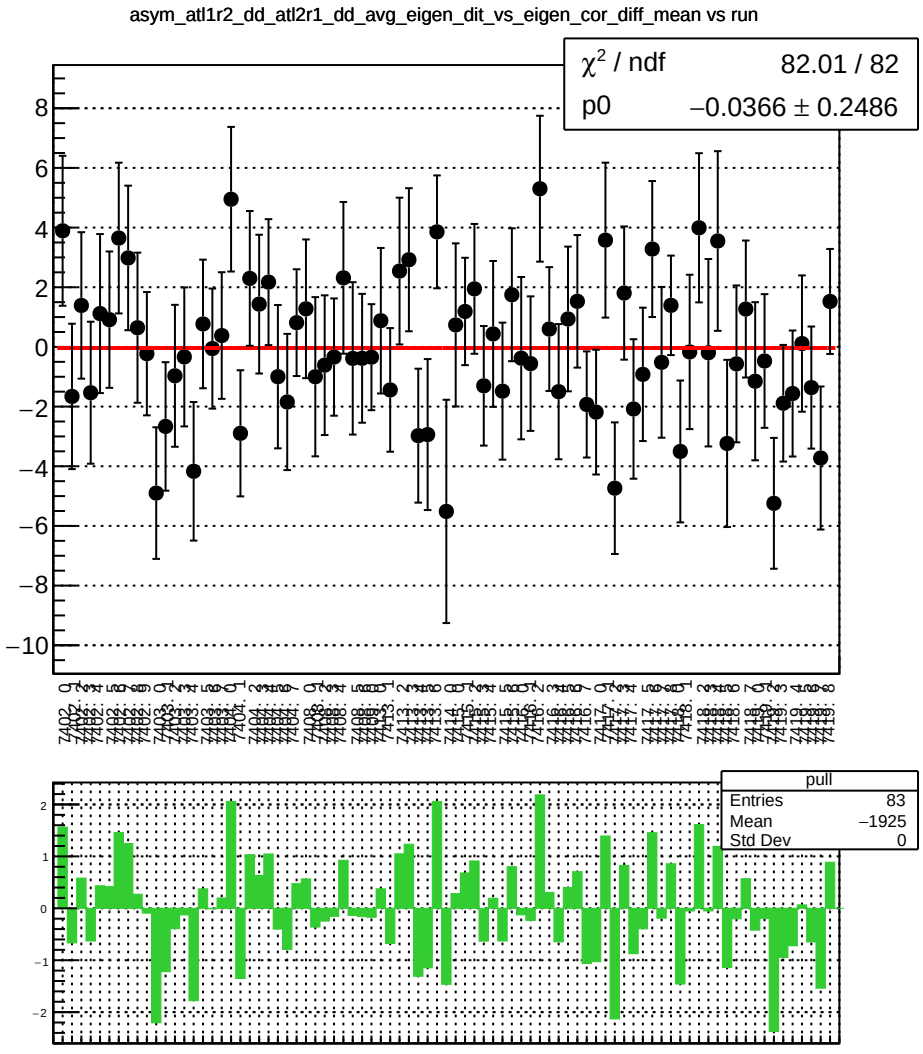

pull1D
Entries 83
Mean 0.003611
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

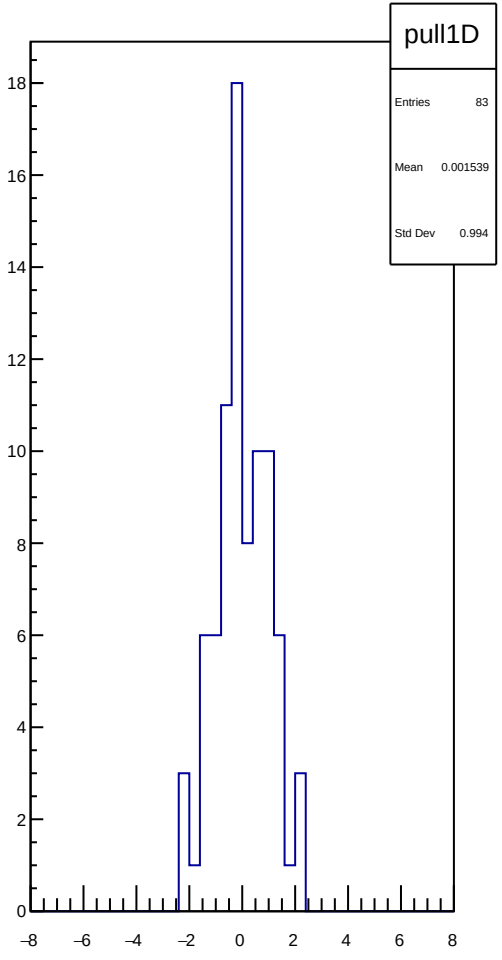

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.576e+05 / 82
p0 0.0008134 ± 6.824e−07
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

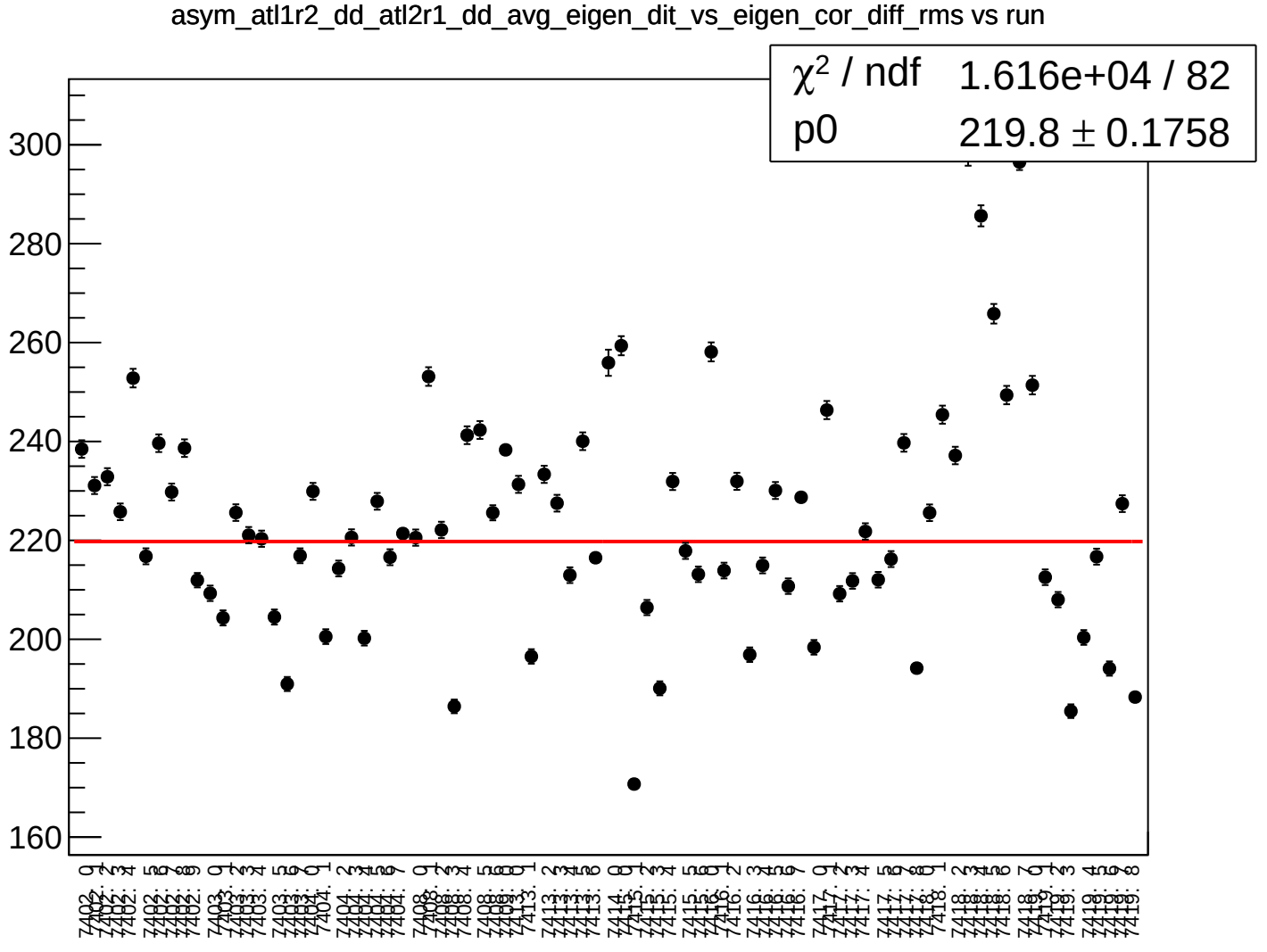

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

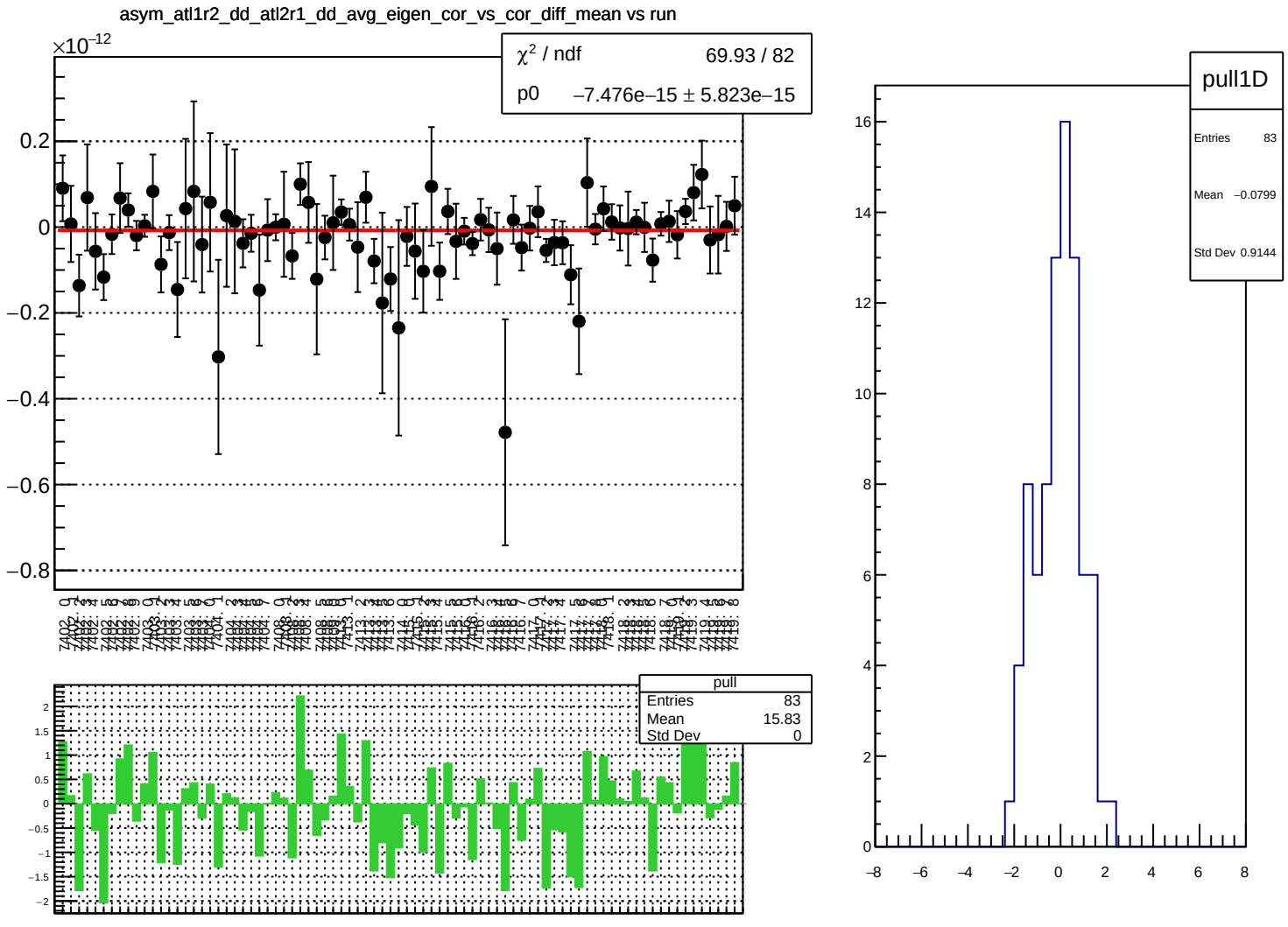

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

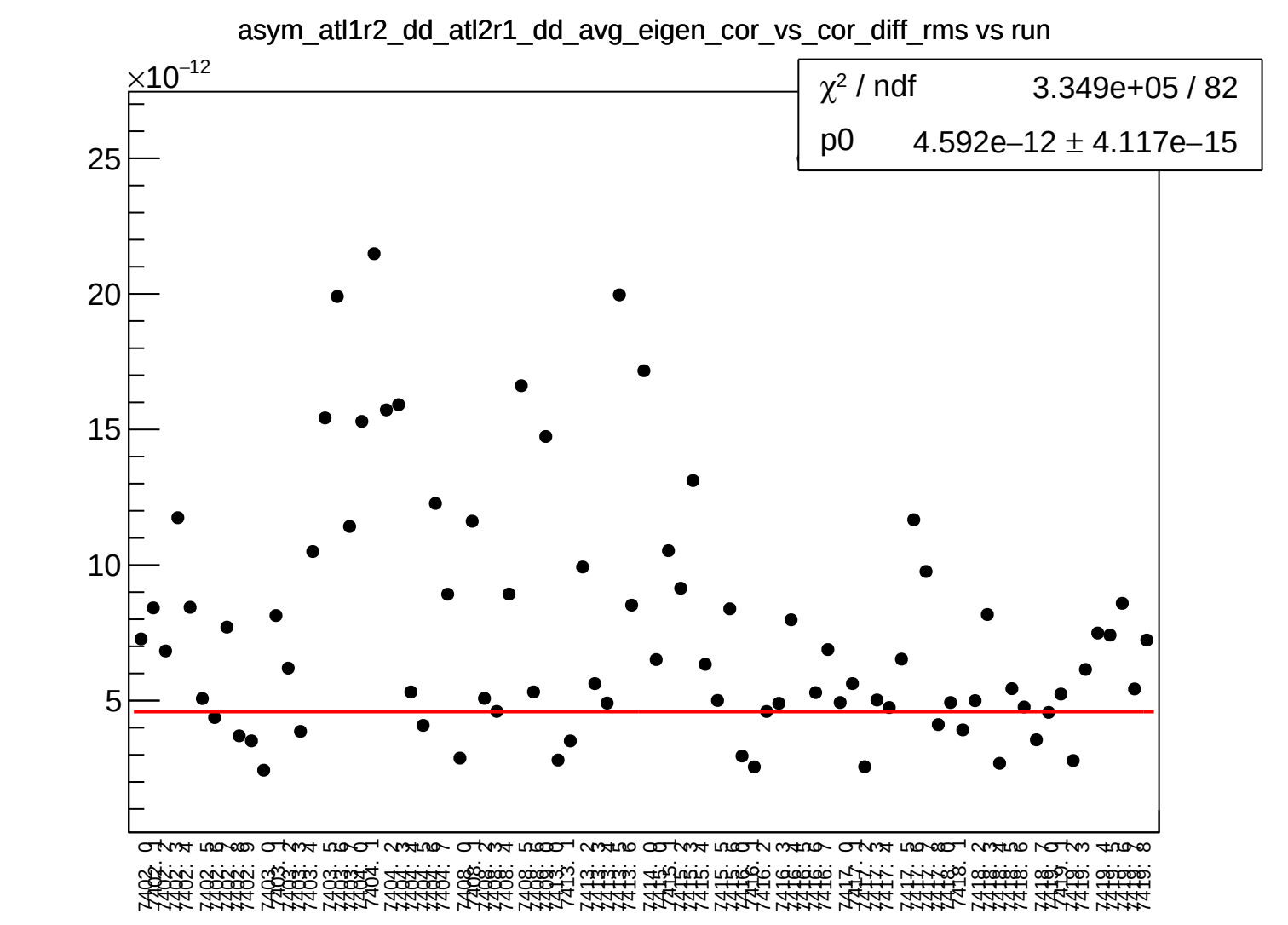

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

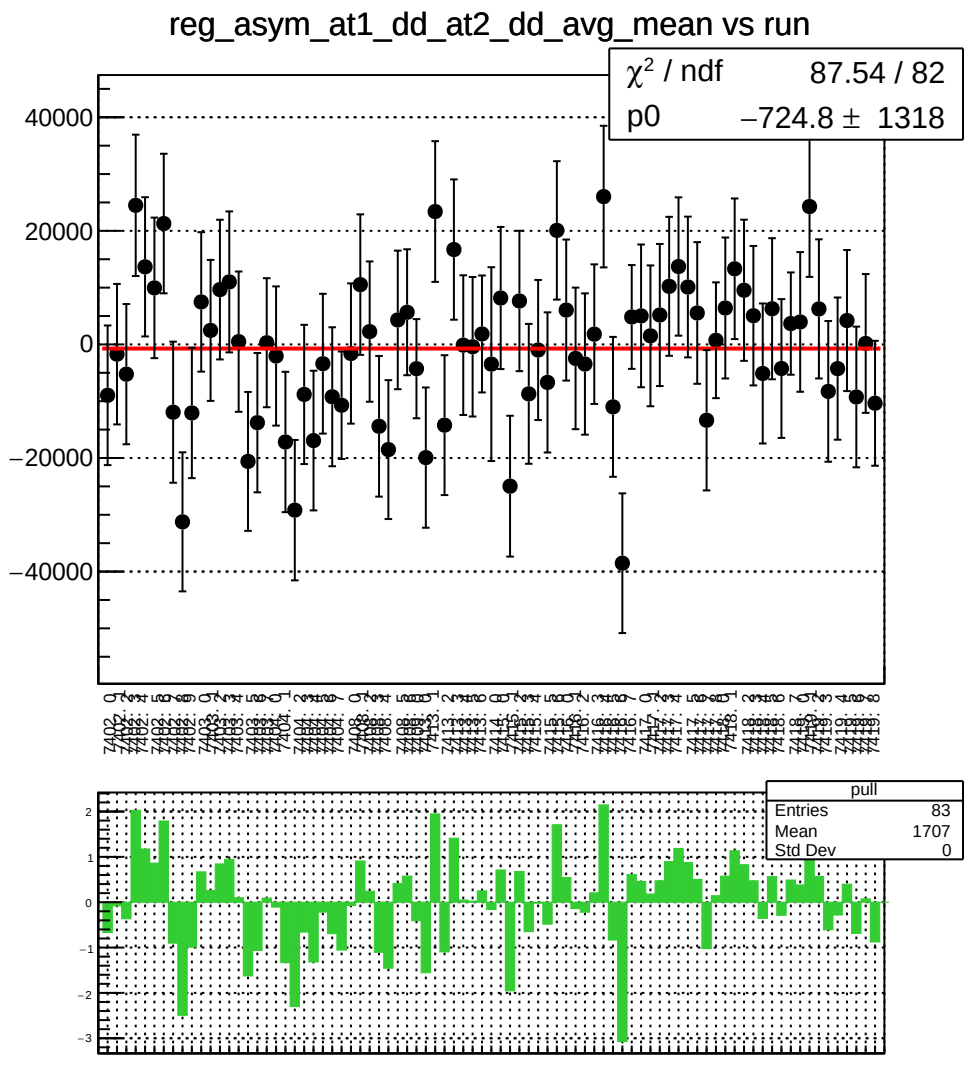

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.01 / 82
p0 −0.0366 ± 0.2486
pull
Entries 83
Mean −1925
Std Dev 0

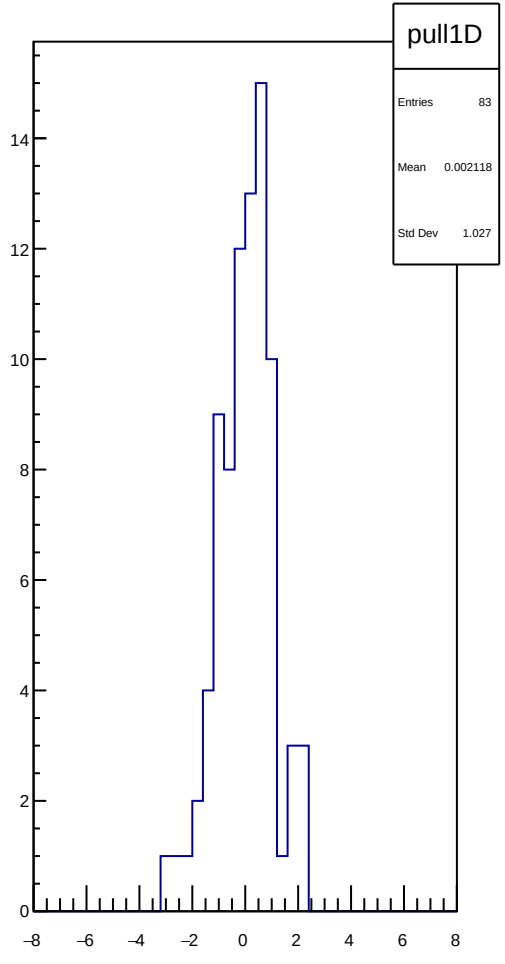

pull1D
Entries 83
Mean 0.001539
Std Dev 0.994

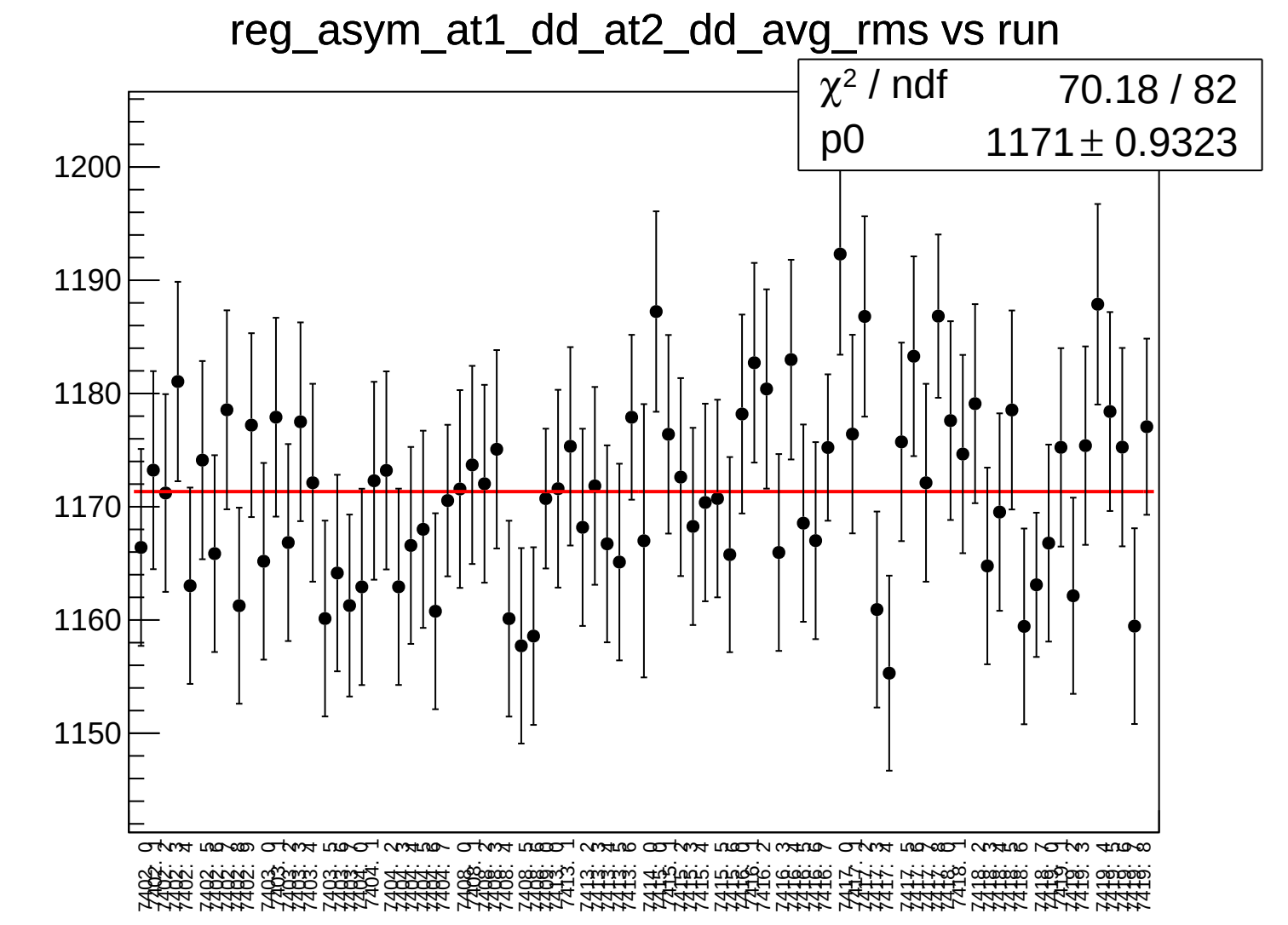

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.616e+04 / 82
p0 219.8 ± 0.1758
300
280
260
240
220
200
180
160

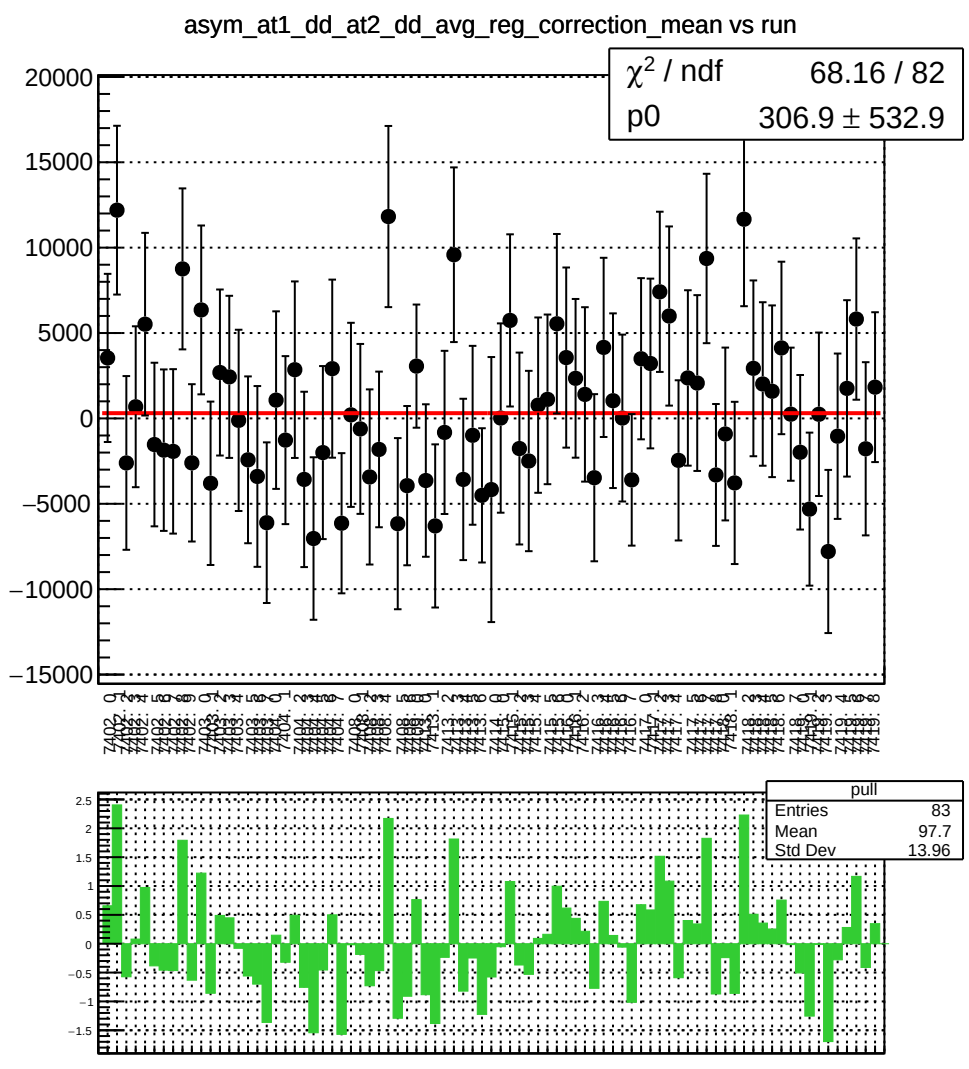

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 69.93 / 82
p0 −7.476e−15 ± 5.823e−15
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 83
Mean 15.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.0799
Std Dev 0.9144
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

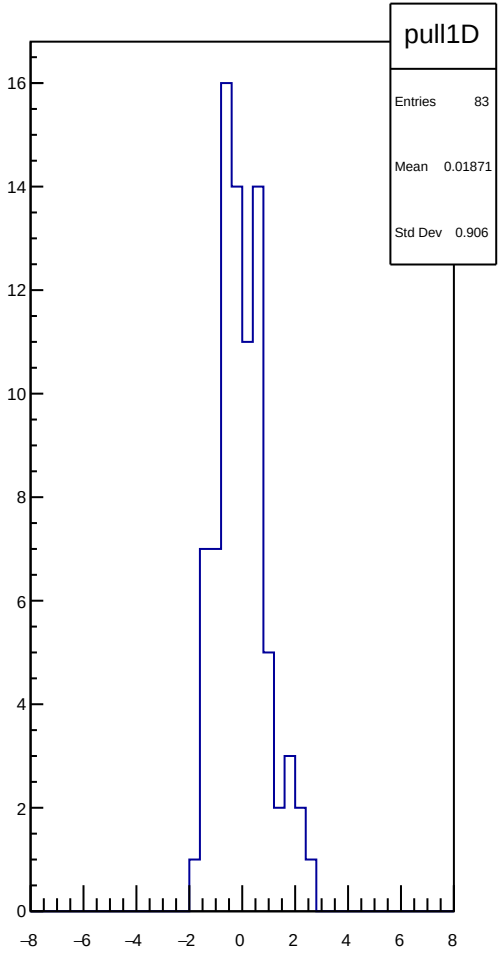

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.349e+05 / 82
p0 4.592e−12 ± 4.117e−15
25
20
15
10
5

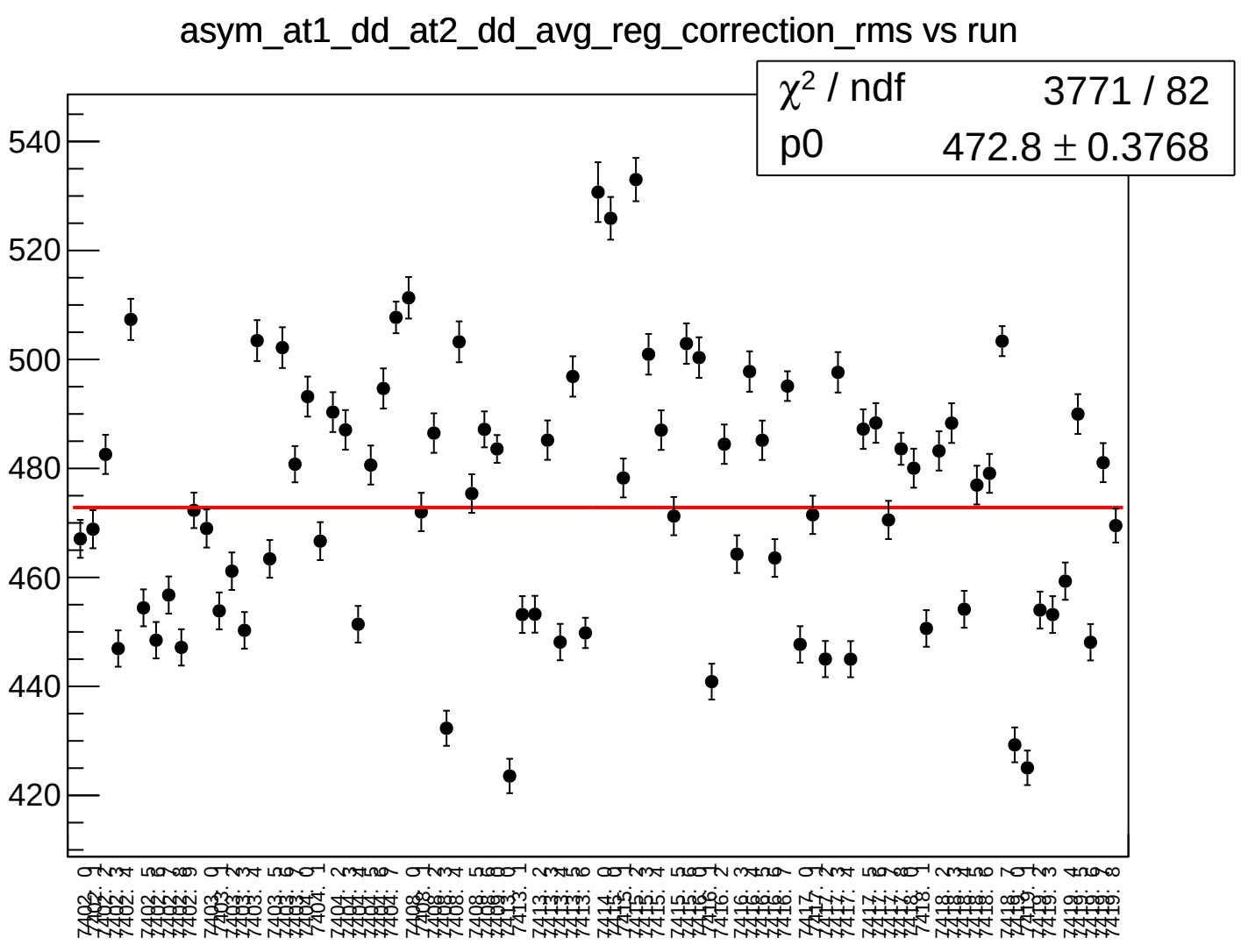

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 87.54 / 82
p0 −724.8 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 1707
Std Dev 0
2
1
0
−1
−2
−3

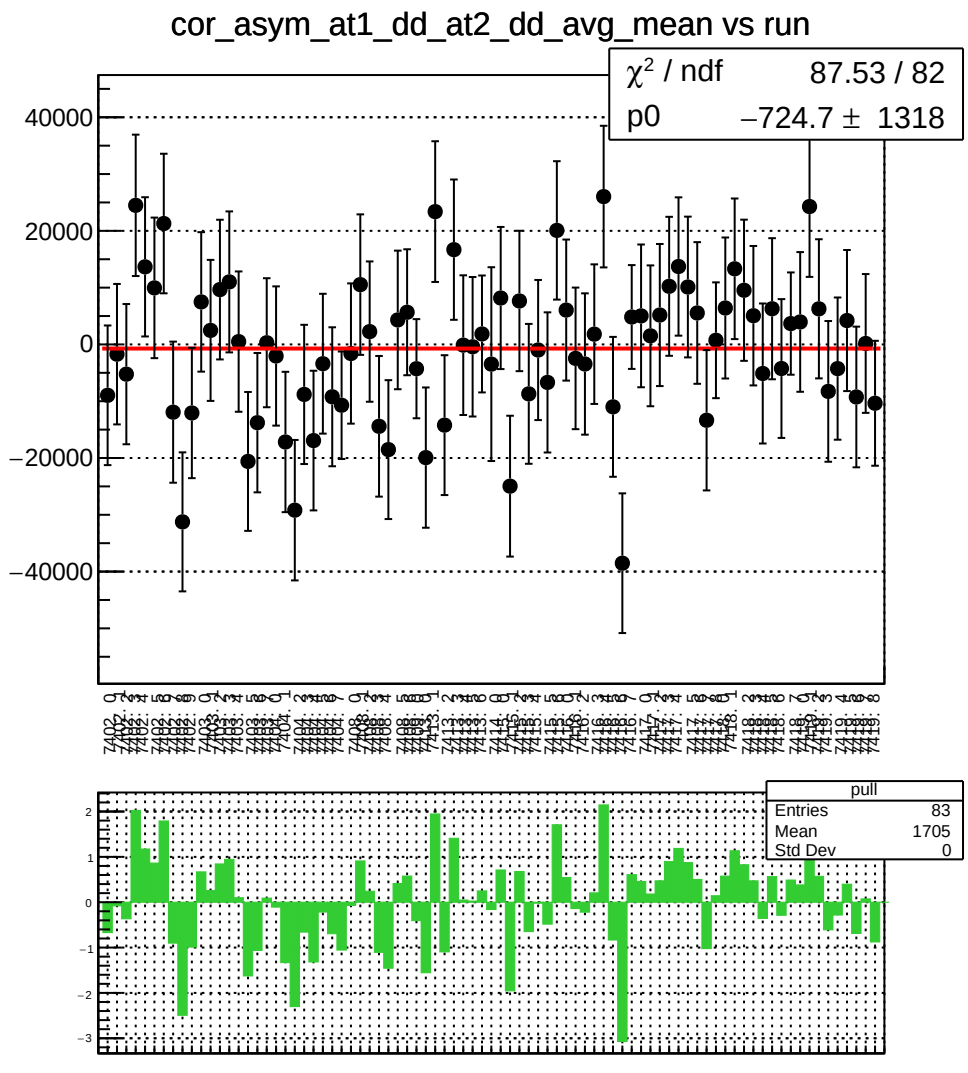

pull1D
Entries 83
Mean 0.002118
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

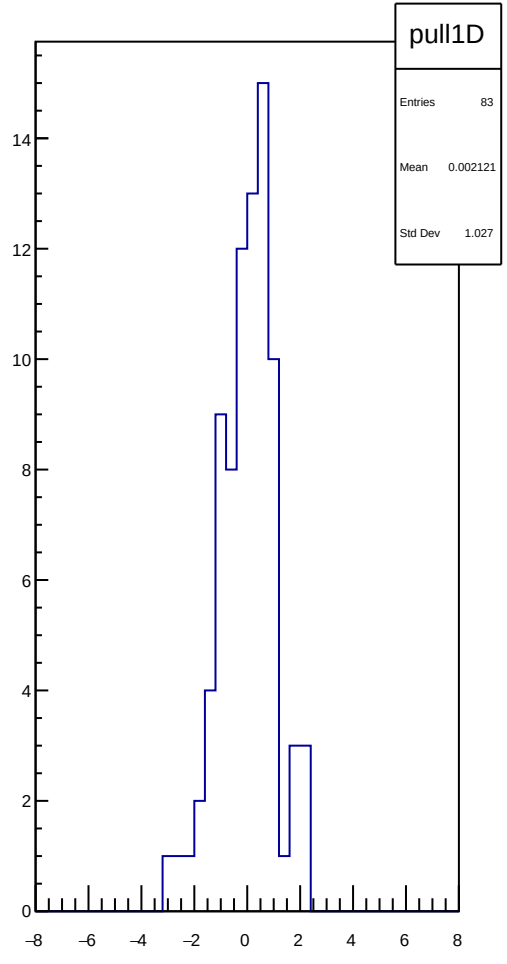

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 70.18 / 82
p0 1171 ± 0.9323
1200
1190
1180
1170
1160
1150

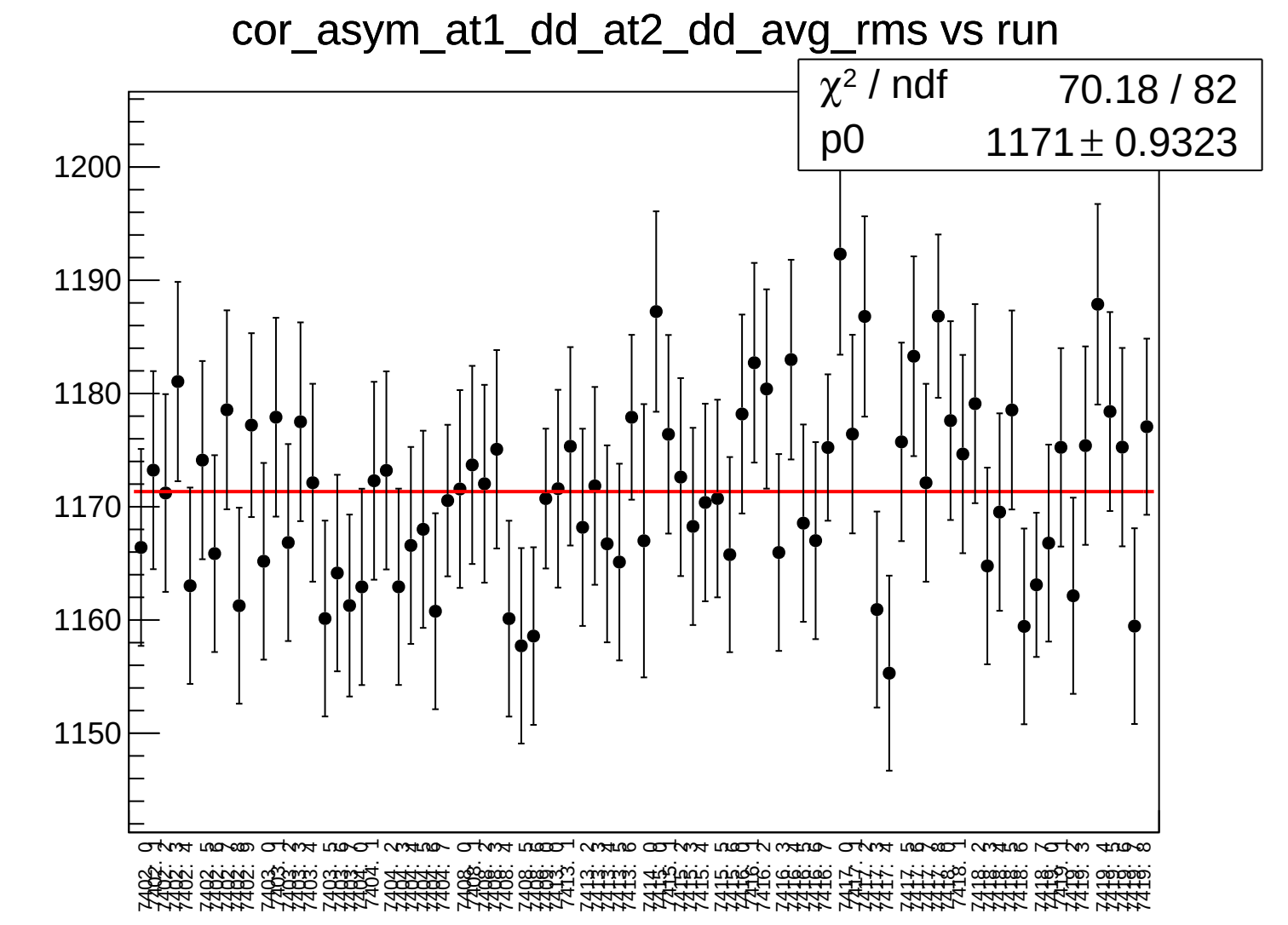

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ^2 / ndf 68.16 / 82
p0 306.9 ± 532.9
pull
Entries 83
Mean 97.7
Std Dev 13.96

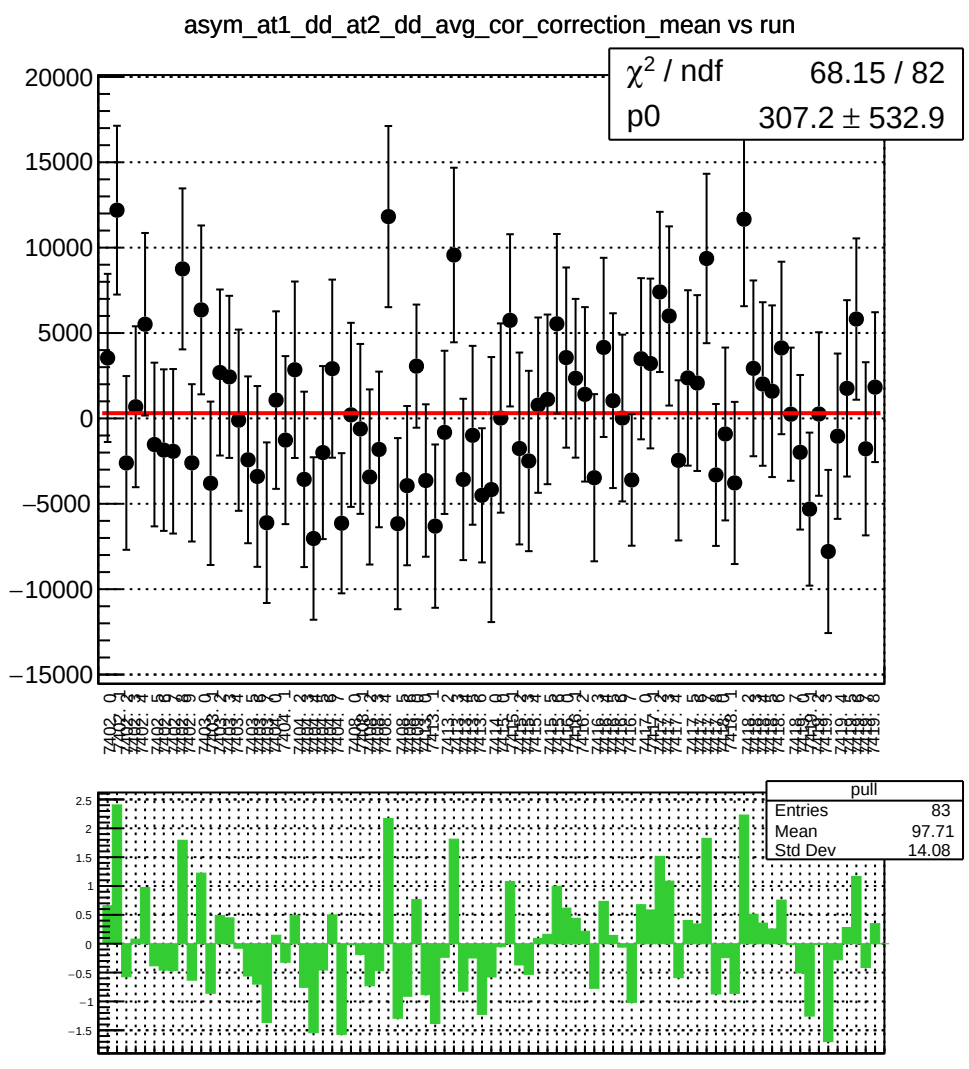

pull1D
Entries 83
Mean 0.01871
Std Dev 0.906

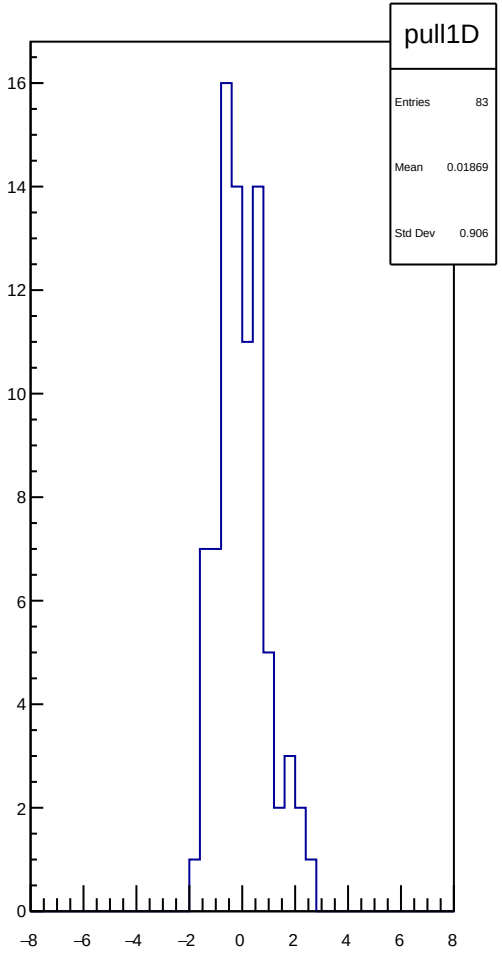

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 3771 / 82
p0 472.8 ± 0.3768
540
520
500
480
460
440
420

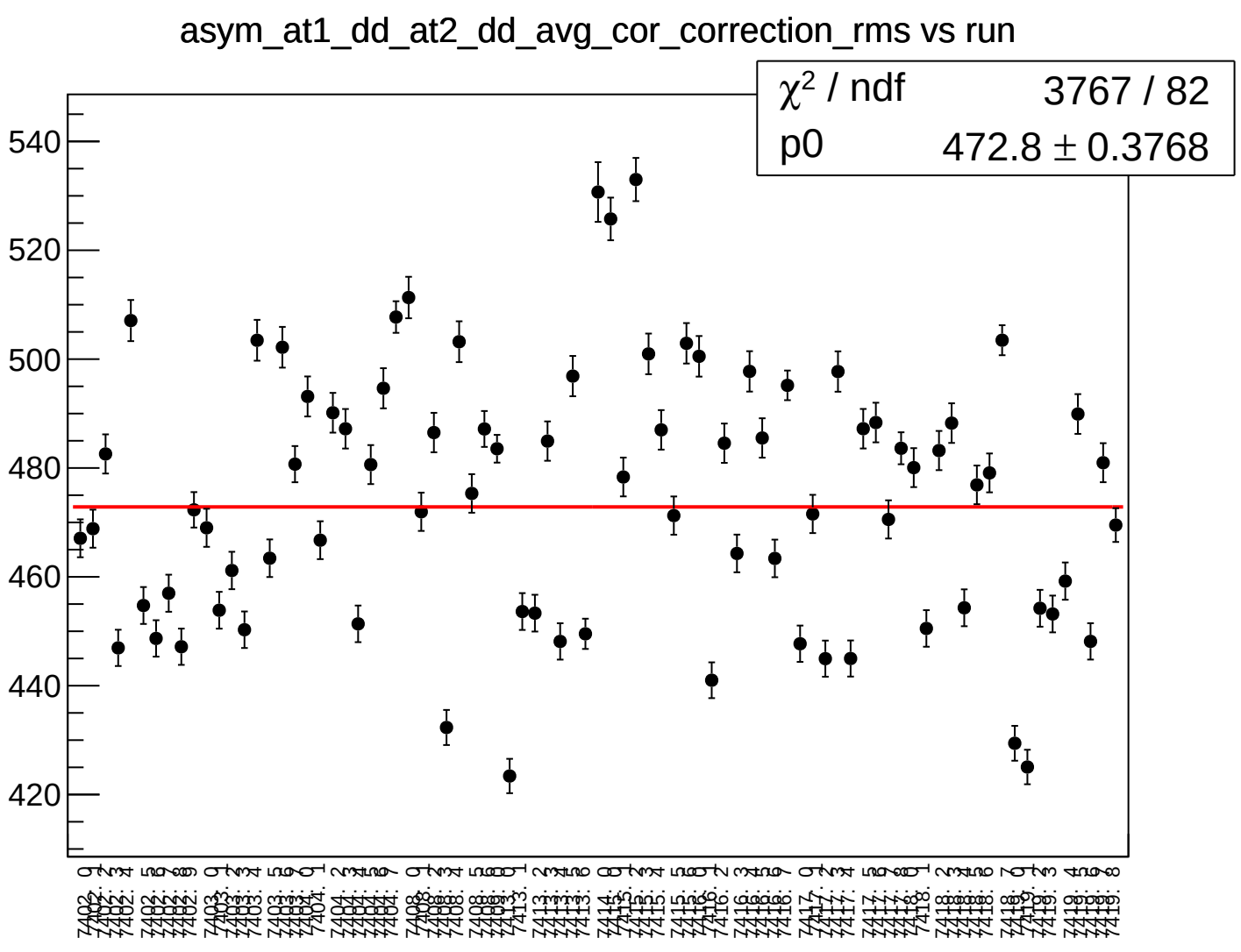

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 87.53 / 82
p0 −724.7 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 1705
Std Dev 0
2
1
0
−1
−2
−3

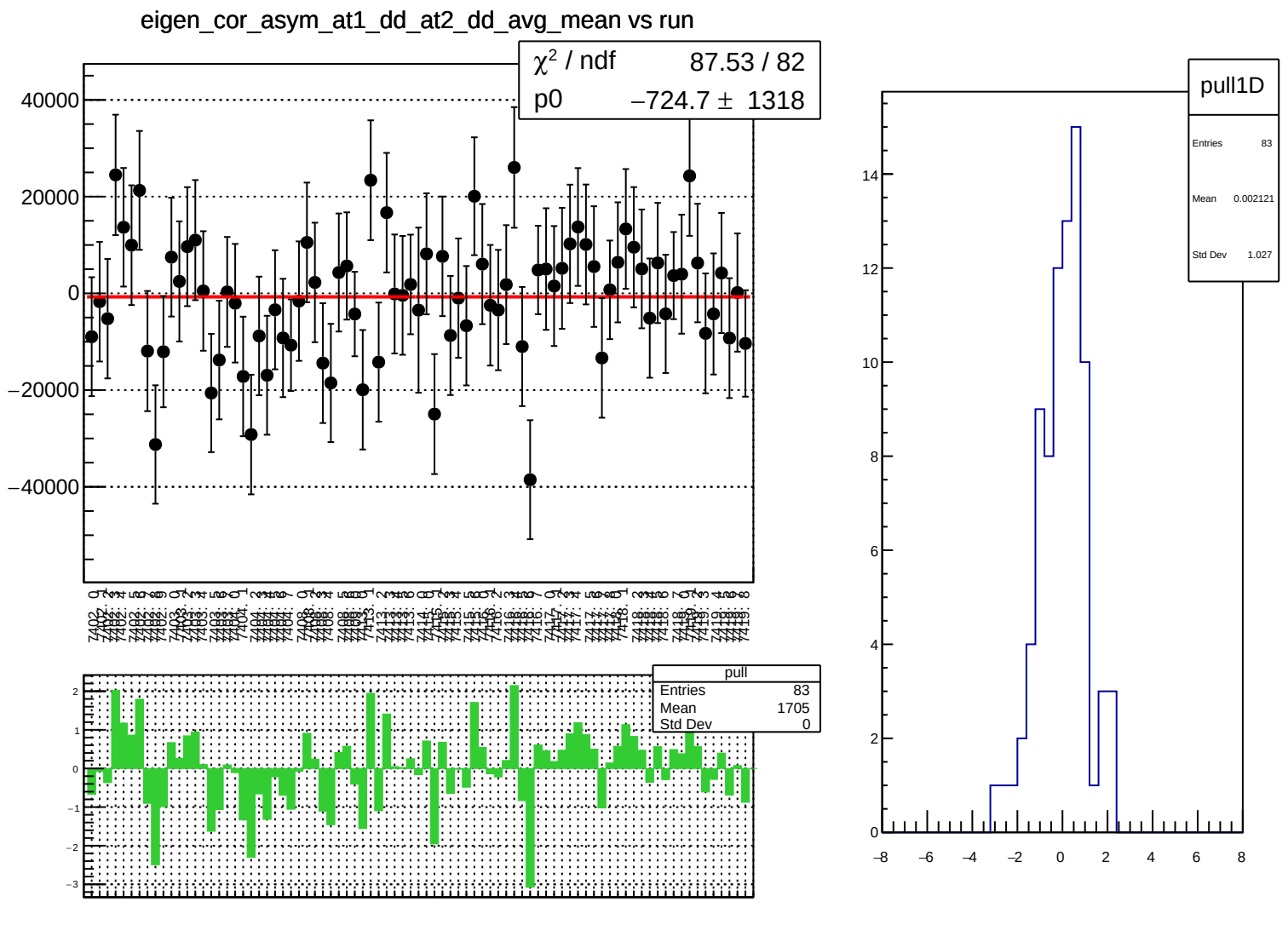

pull1D
Entries 83
Mean 0.002121
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

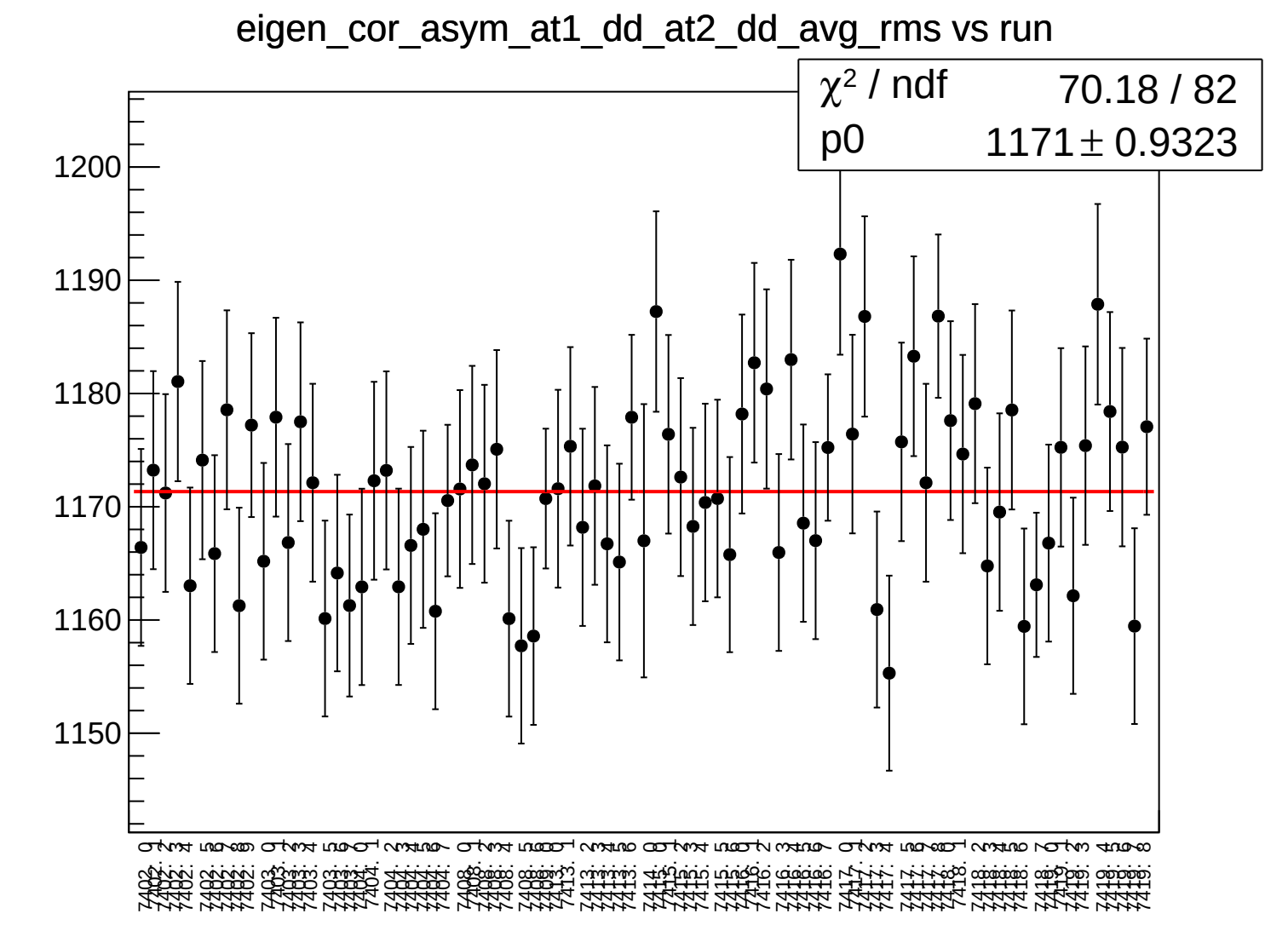

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 70.18 / 82
p0 1171 ± 0.9323
1200
1190
1180
1170
1160
1150

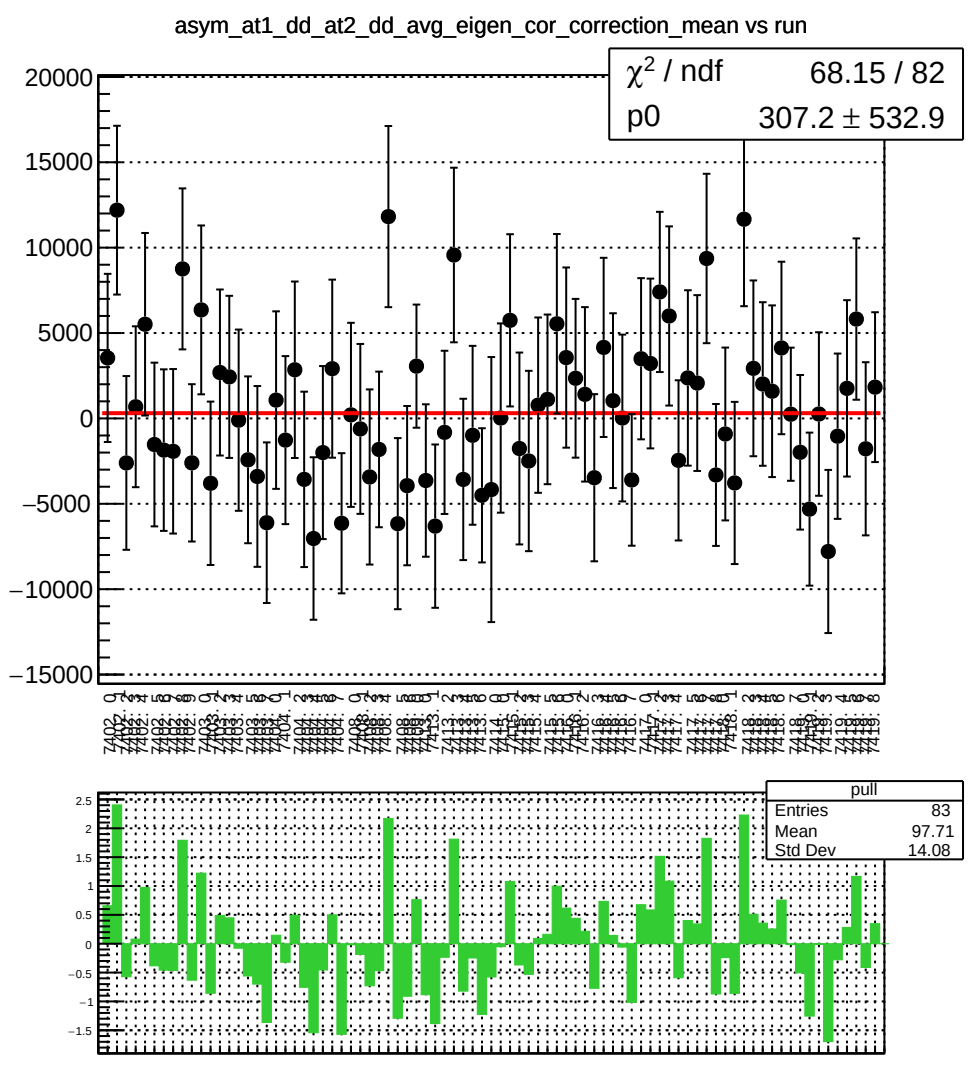

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 68.15 / 82
p0 307.2 ± 532.9
pull
Entries 83
Mean 97.71
Std Dev 14.08

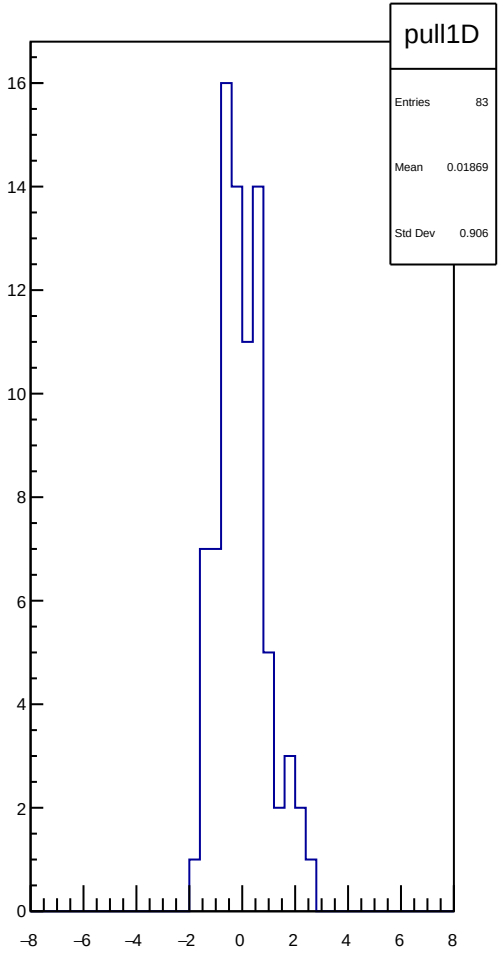

pull1D
Entries 83
Mean 0.01869
Std Dev 0.906

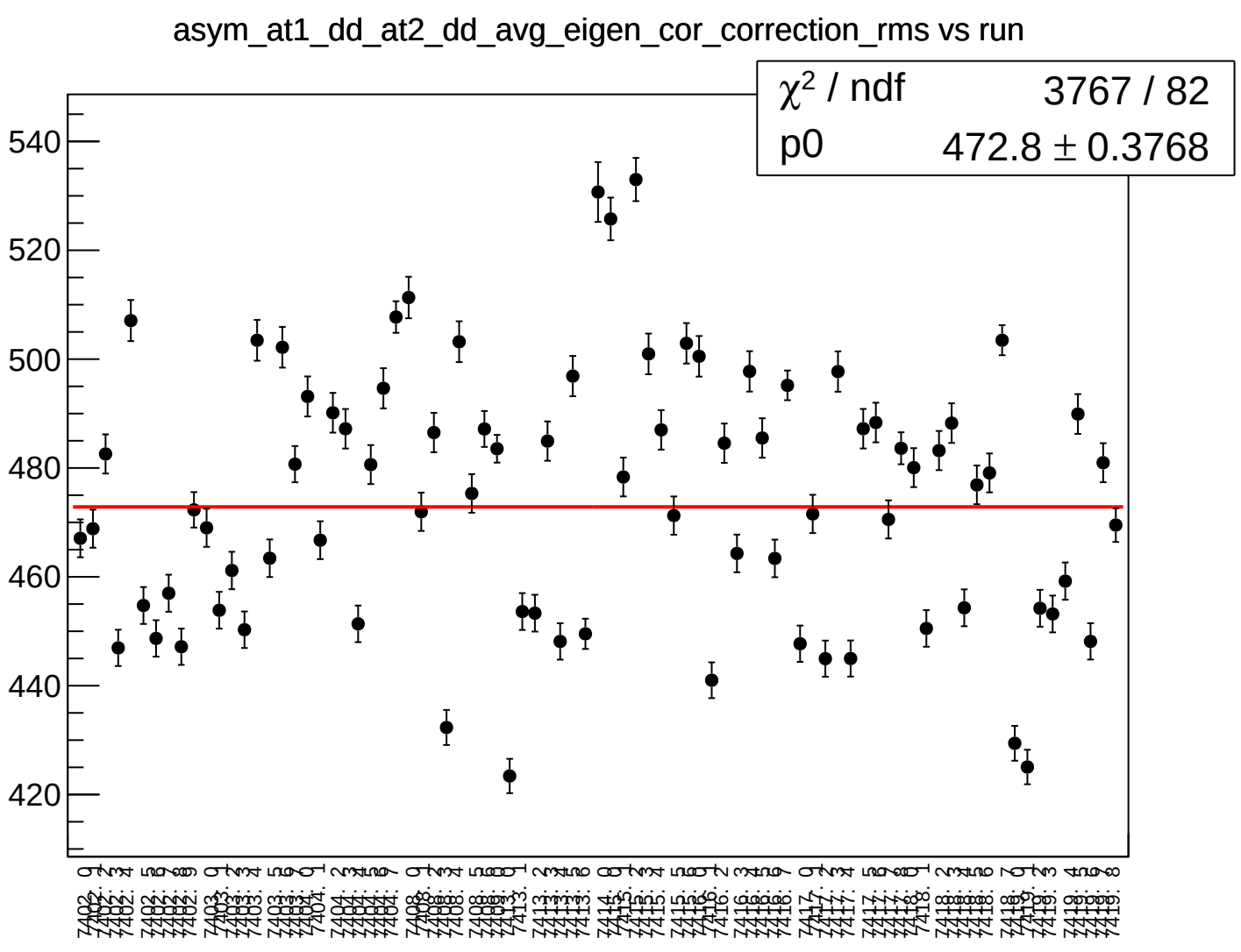

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 3767 / 82
p0 472.8 ± 0.3768
540
520
500
480
460
440
420

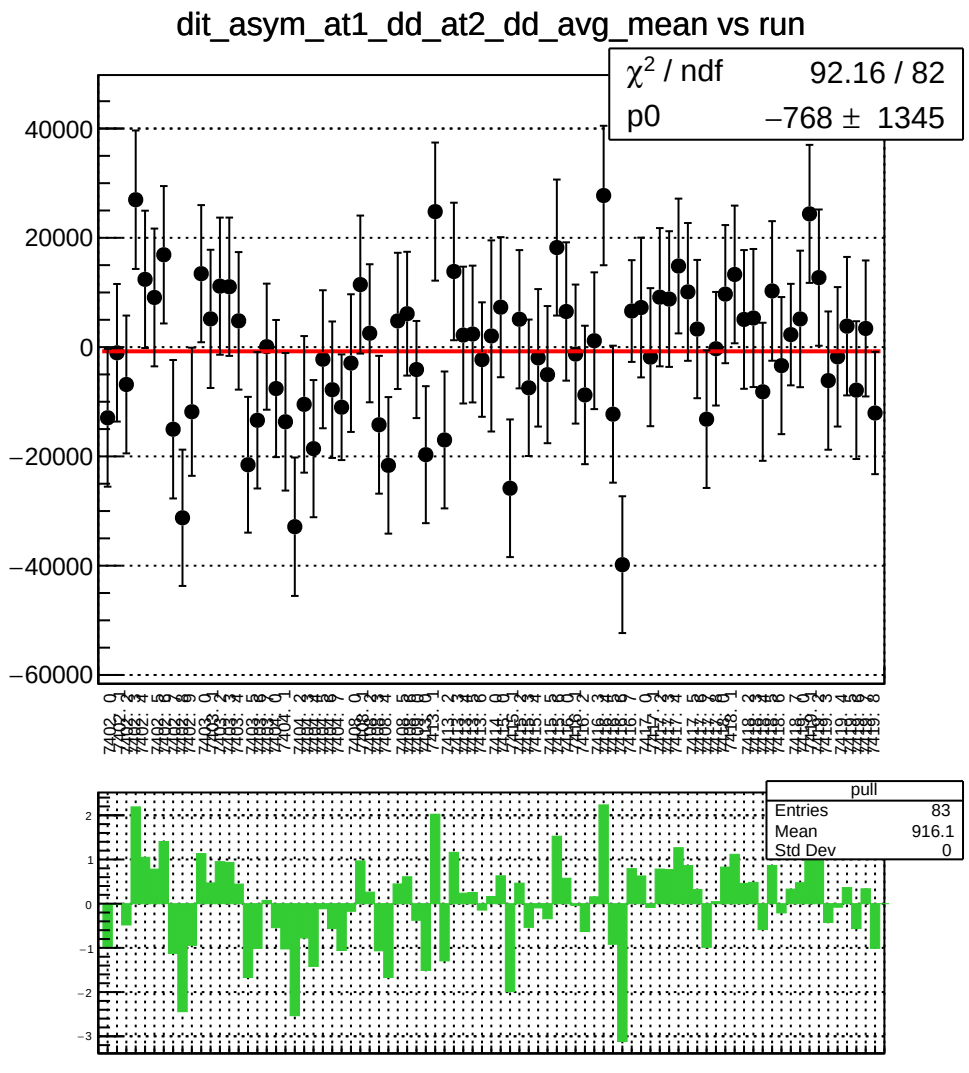

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 87.53 / 82
p0 −724.7 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 1705
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.002121
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

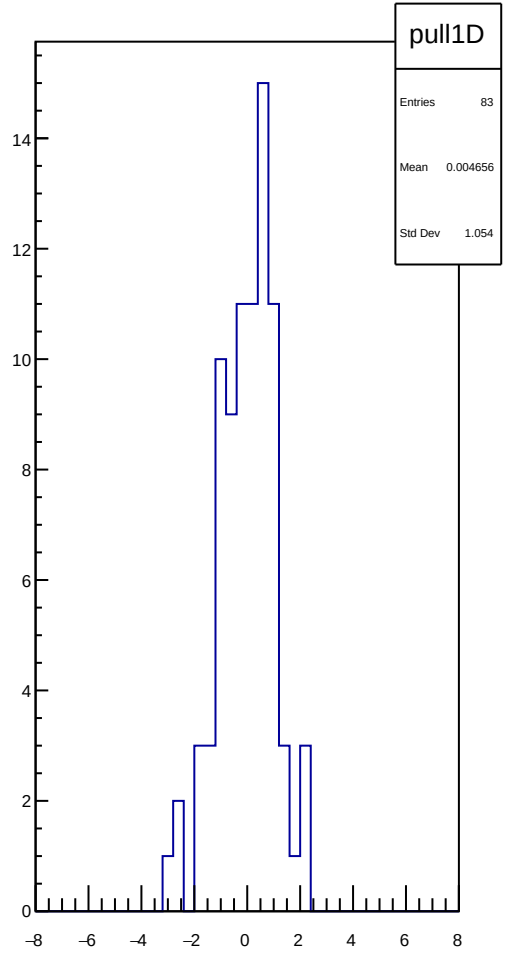

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 70.18 / 82
p0 1171 ± 0.9323
1200
1190
1180
1170
1160
1150

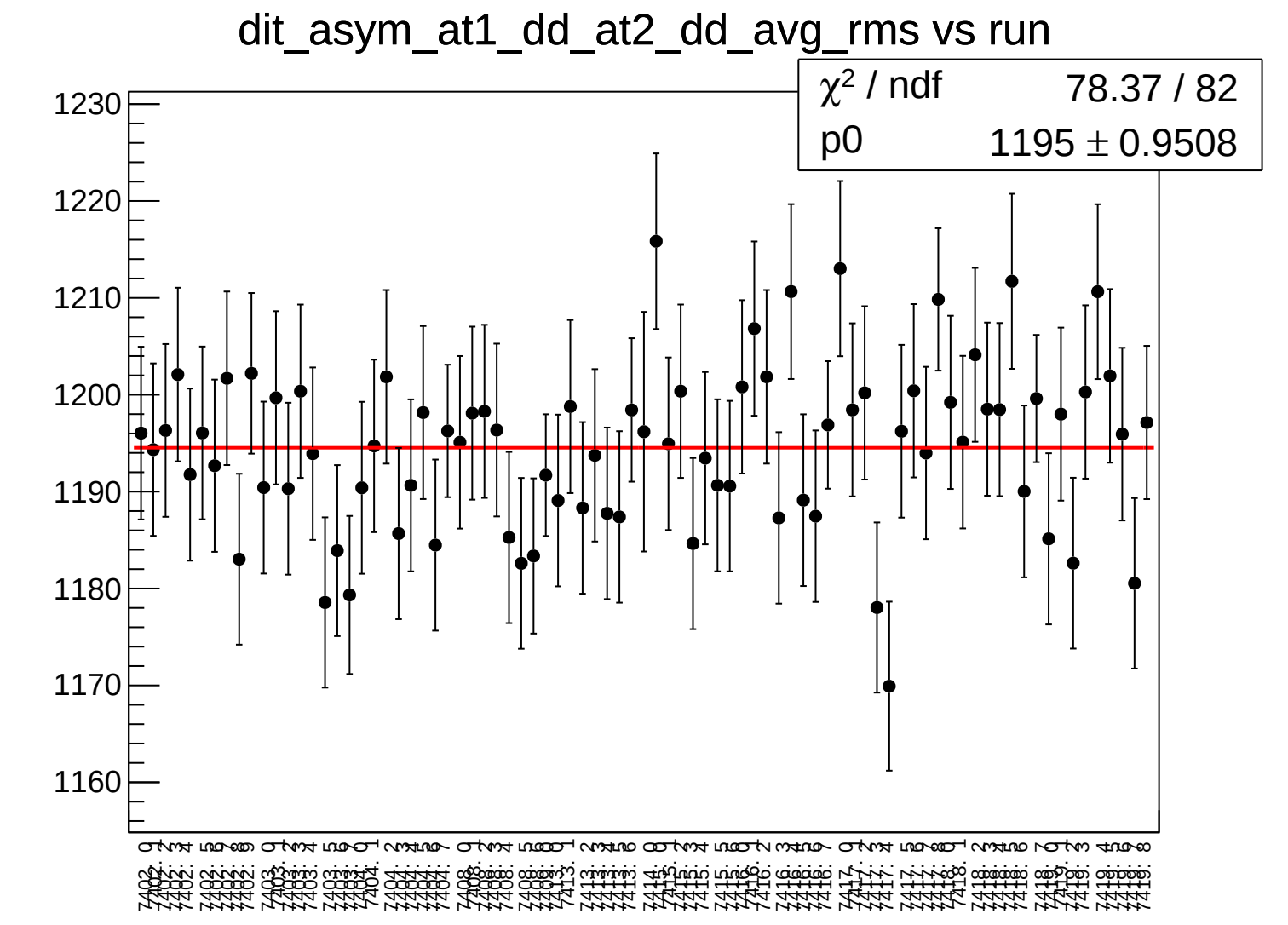

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.15 / 82
p0 307.2 ± 532.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 97.71
Std Dev 14.08
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

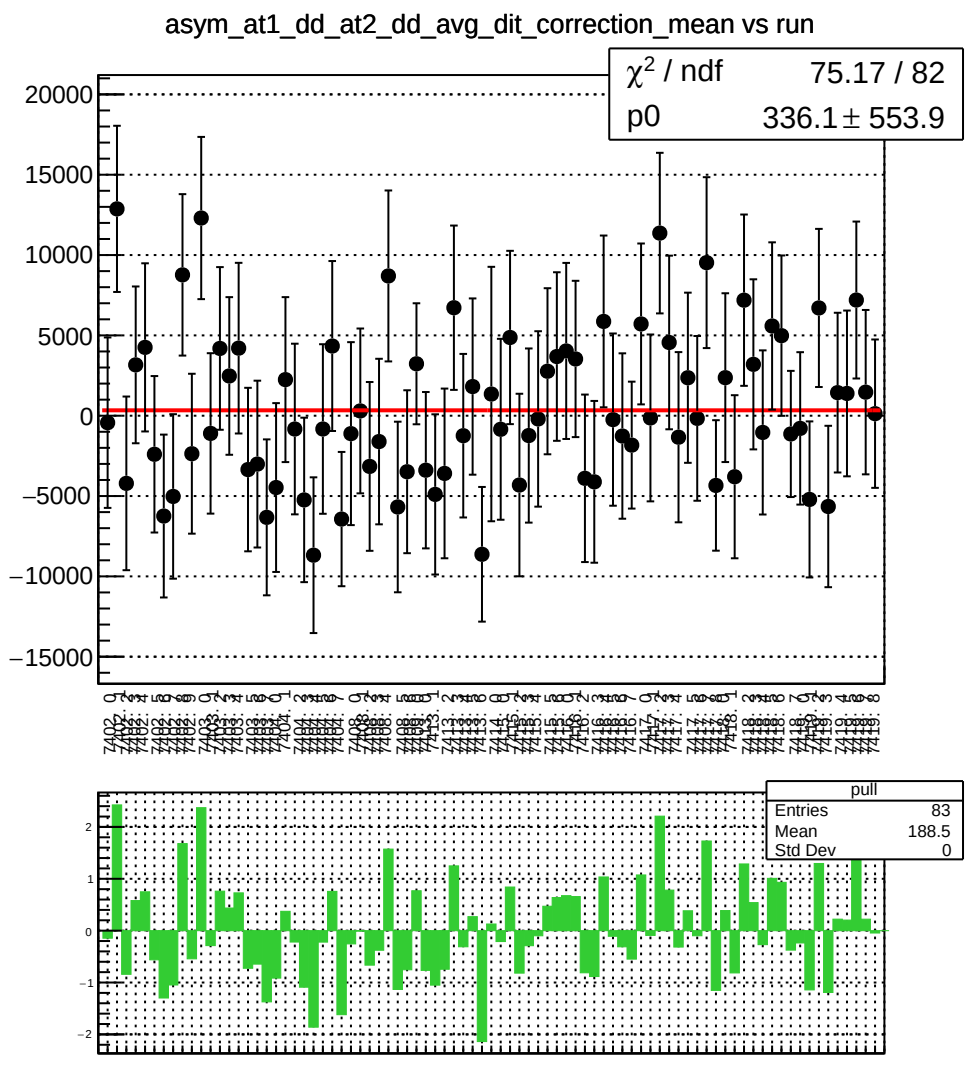

pull1D
Entries 83
Mean 0.01869
Std Dev 0.906
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

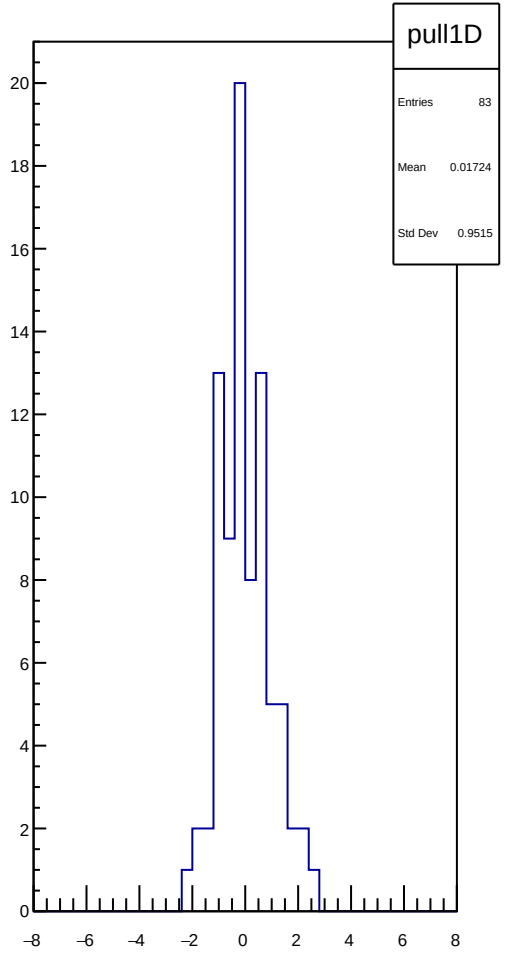

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3767 / 82
p0 472.8 ± 0.3768
540
520
500
480
460
440
420

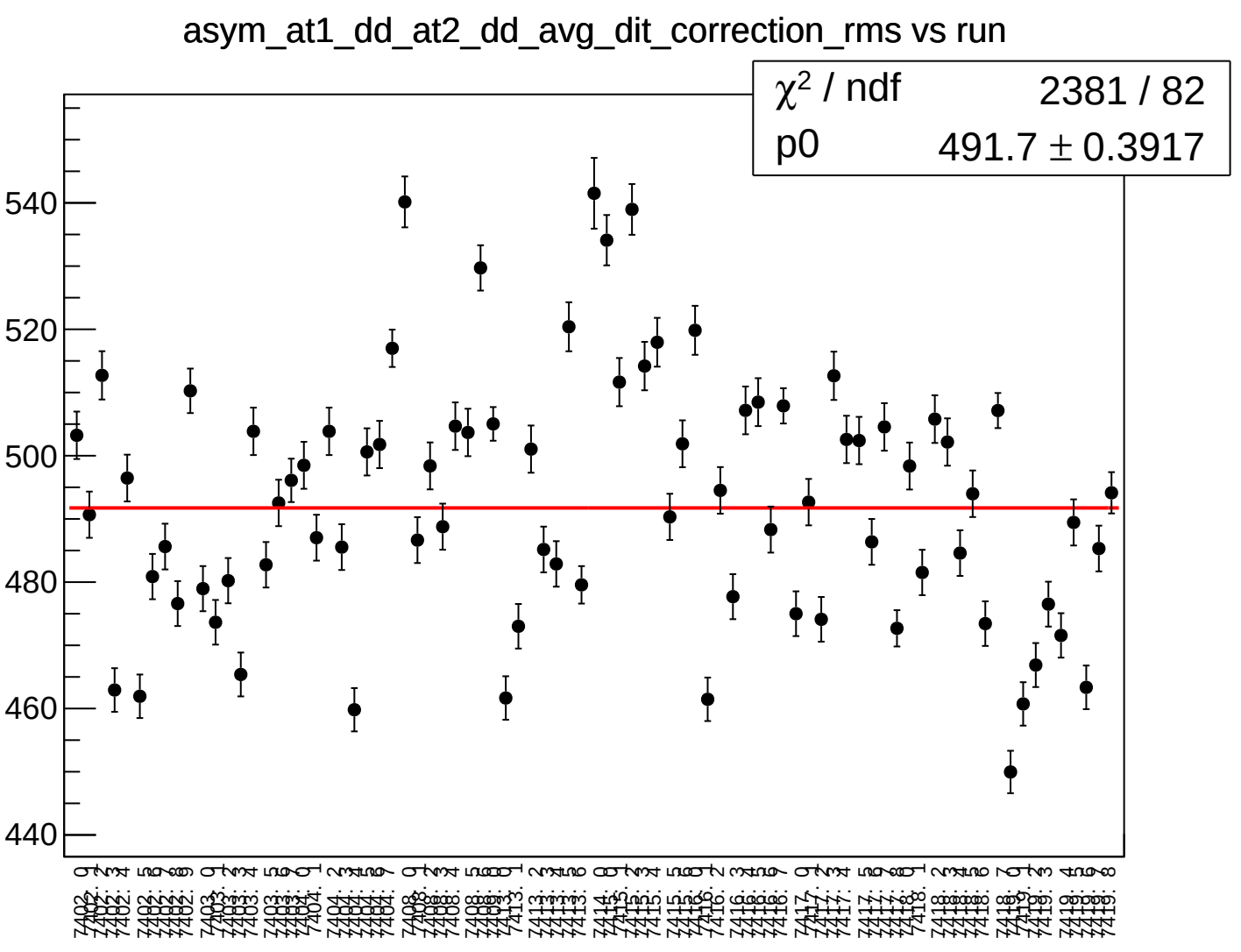

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 92.16 / 82
p0 −768 ± 1345
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 916.1
Std Dev 0
2
1
0
−1
−2
−3

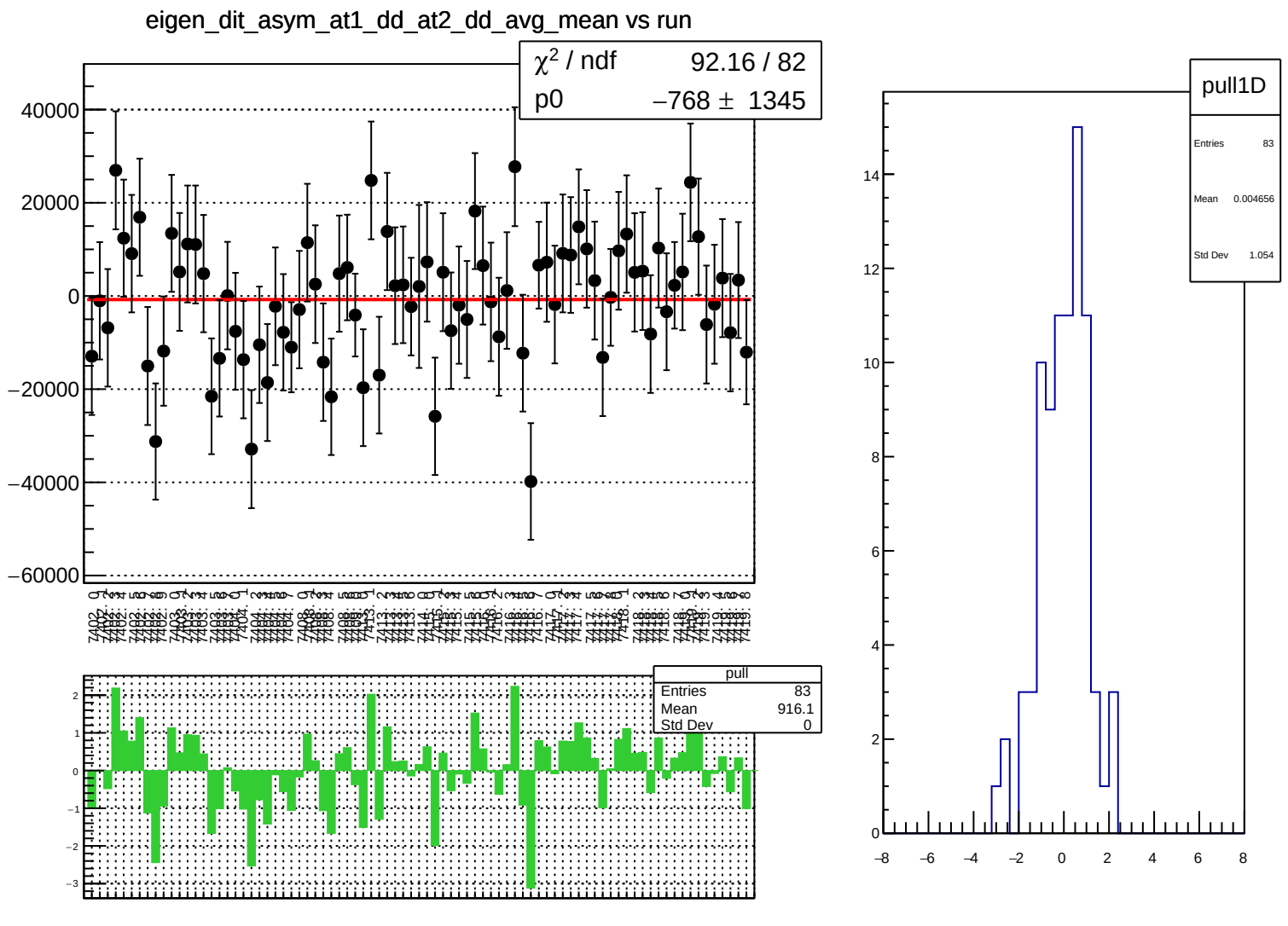

pull1D
Entries 83
Mean 0.004656
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

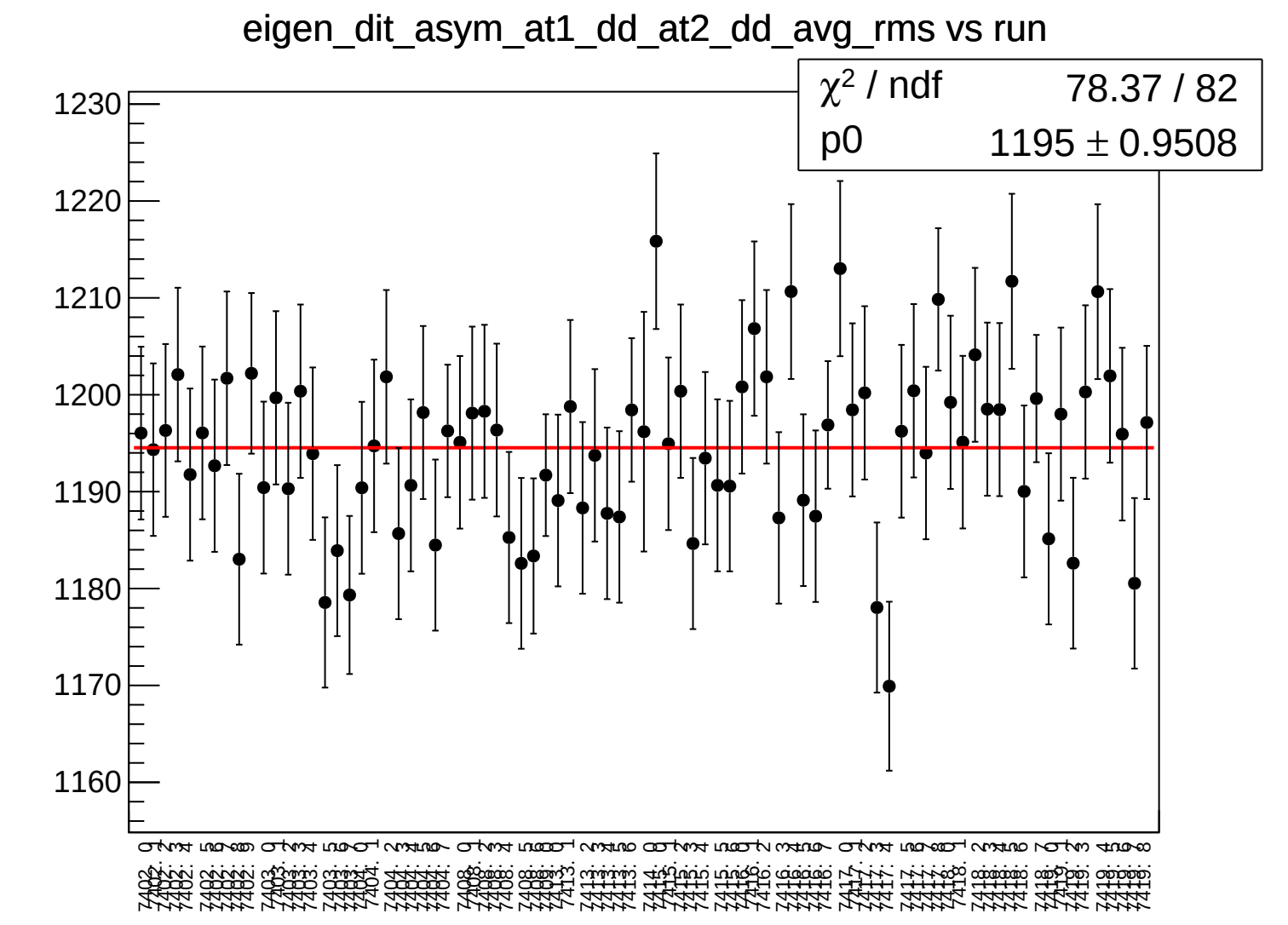

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 78.37 / 82
p0 1195 ± 0.9508
1230
1220
1210
1200
1190
1180
1170
1160

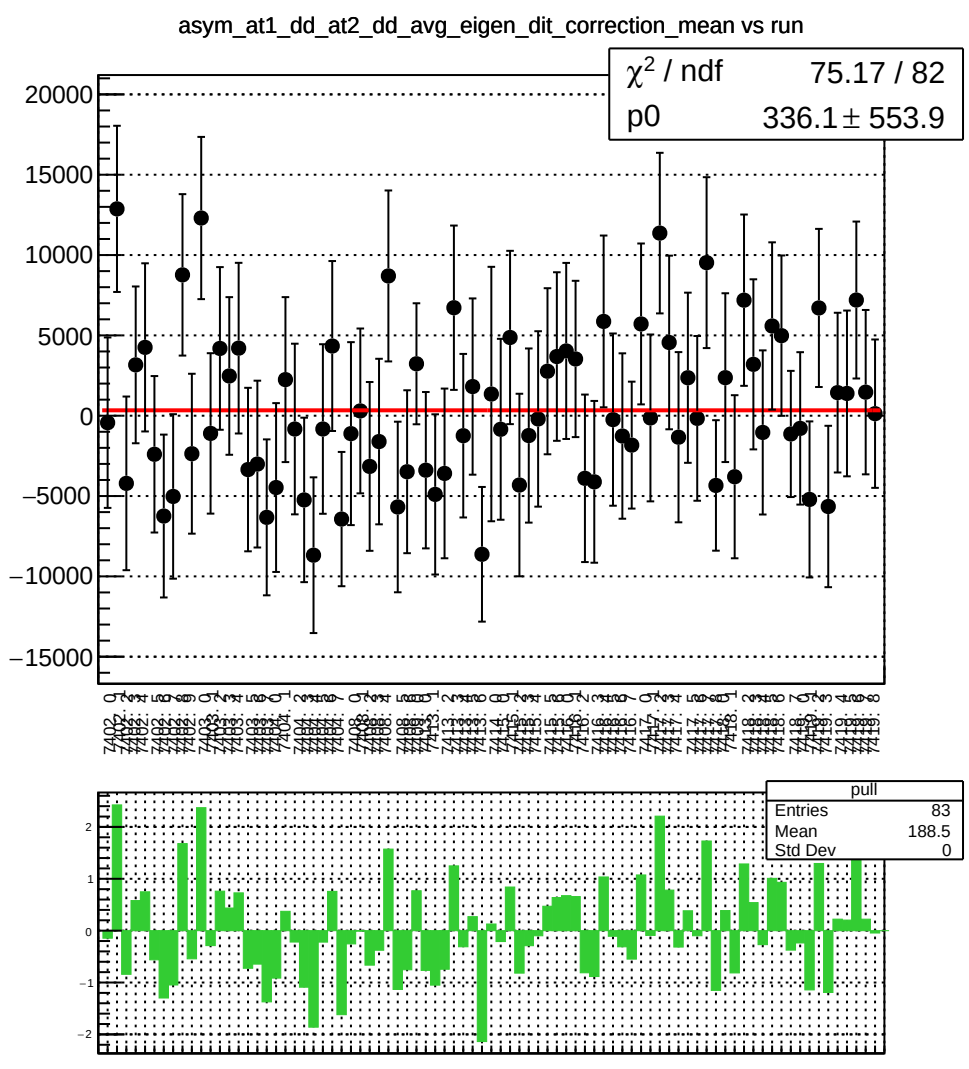

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 75.17 / 82
p0 336.1 ± 553.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 188.5
Std Dev 0
2
1
0
−1
−2

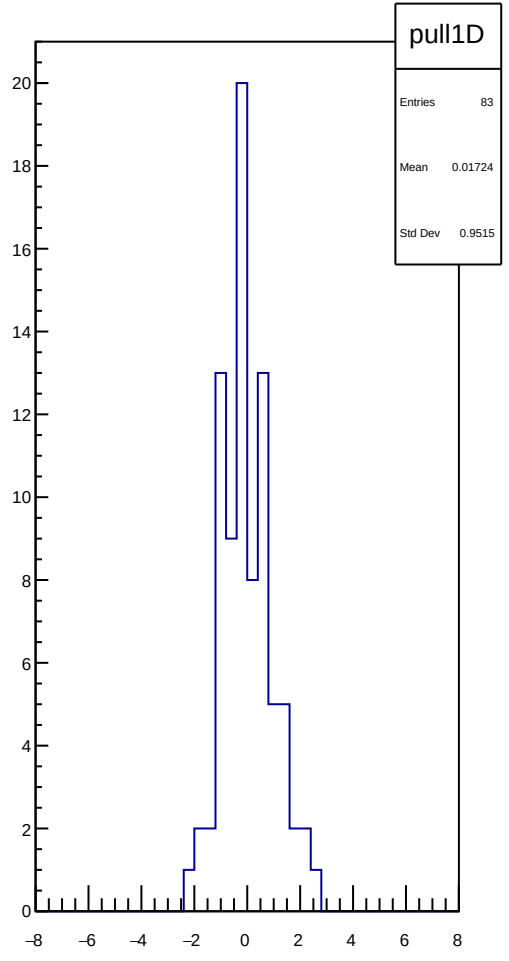

pull1D
Entries 83
Mean 0.01724
Std Dev 0.9515
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

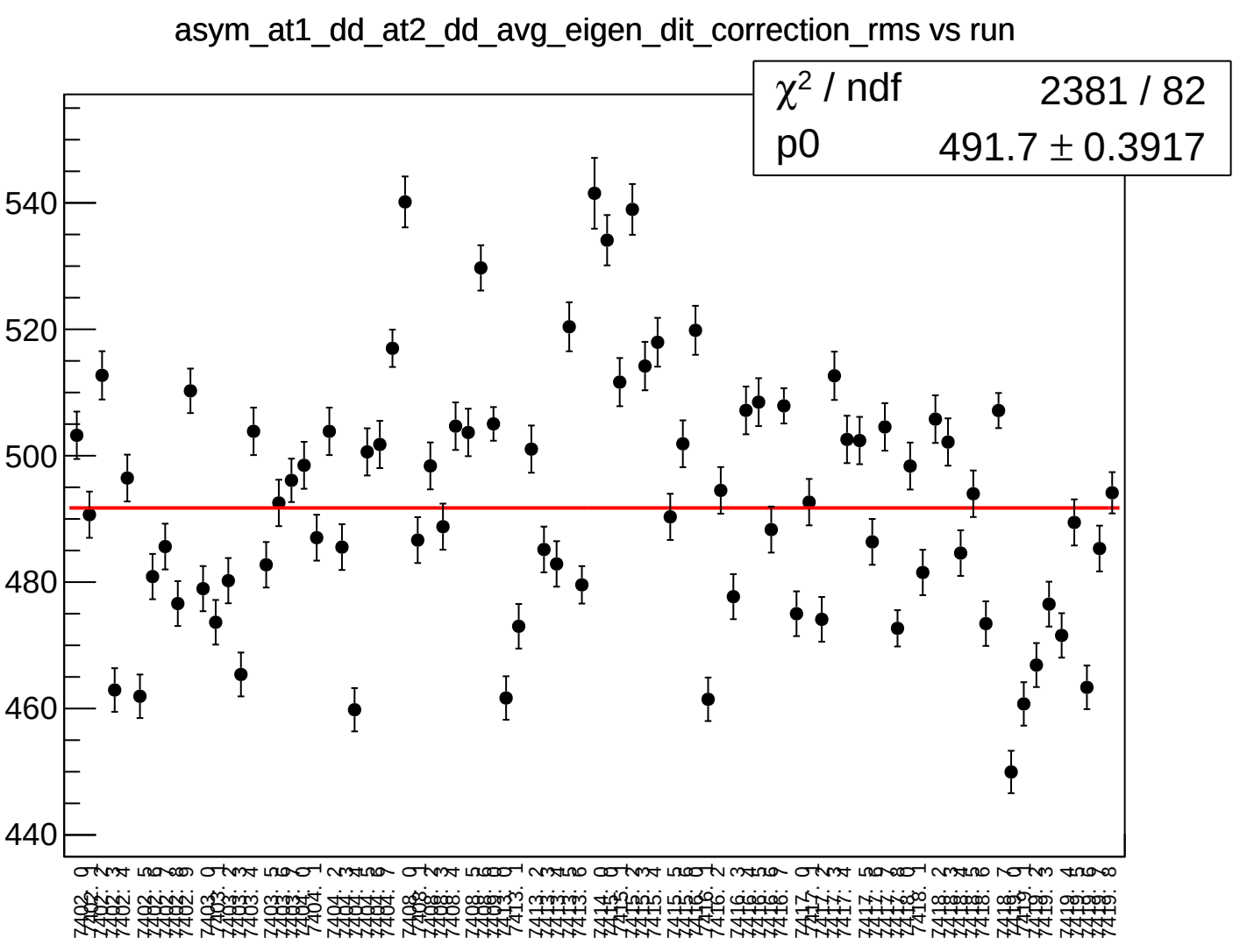

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 2381 / 82
p0 491.7 ± 0.3917
540
520
500
480
460
440

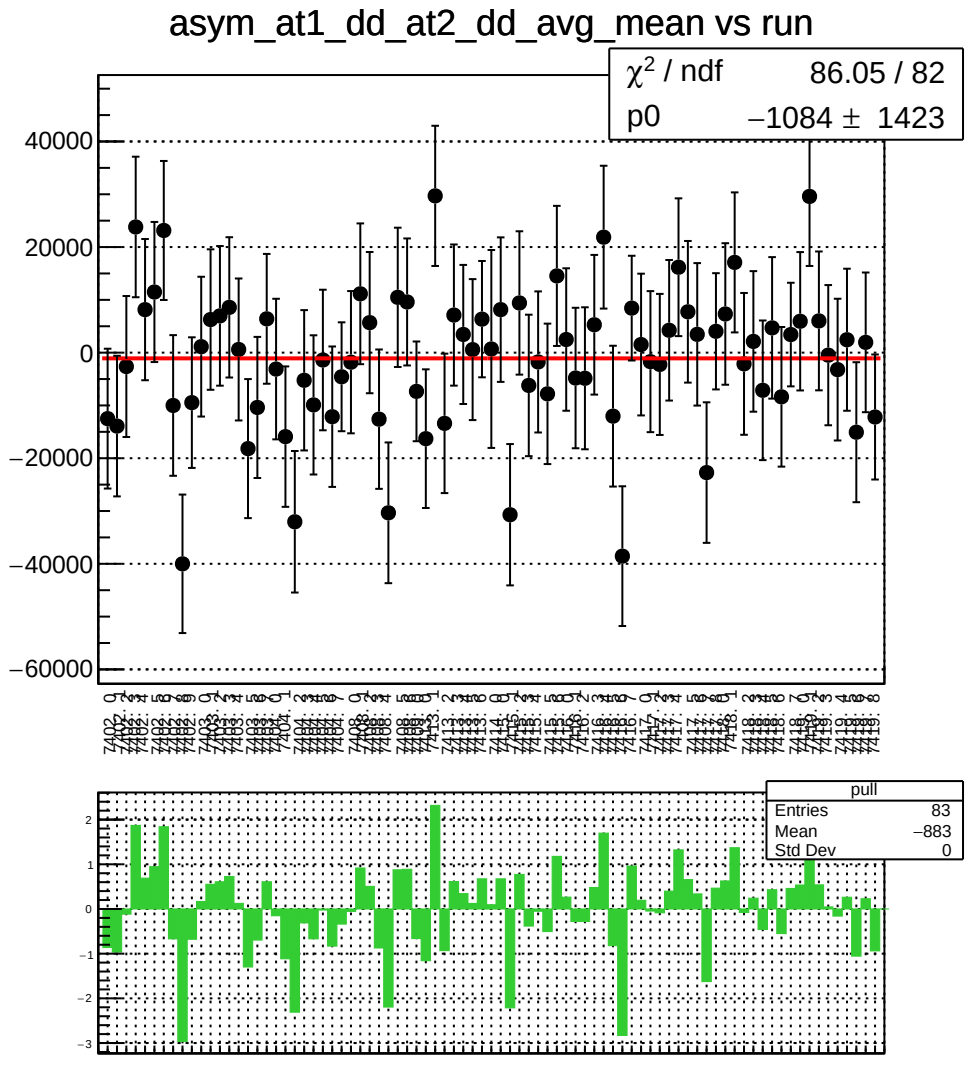

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 92.16 / 82
p0 −768 ± 1345
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 916.1
Std Dev 0
pull1D
Entries 83
Mean 0.004656
Std Dev 1.054

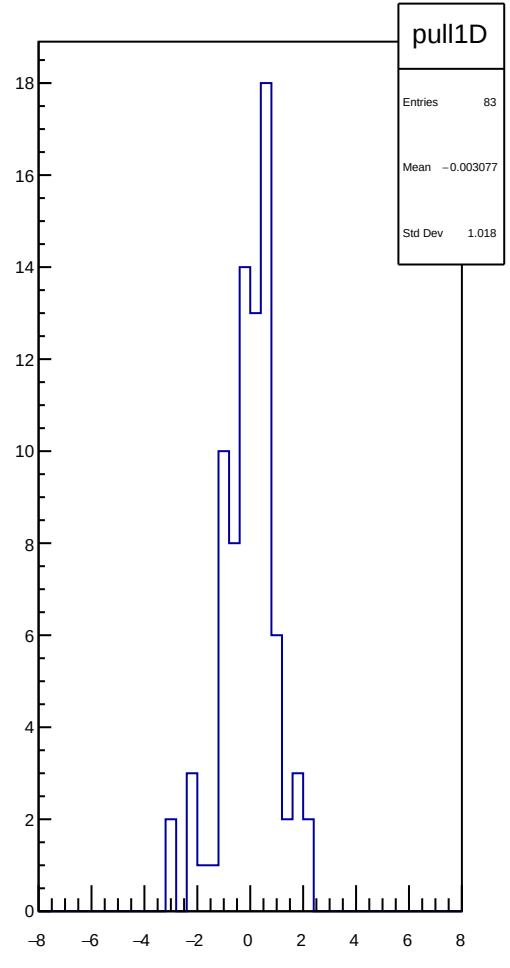

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 78.37 / 82
p0 1195 ± 0.9508
1230
1220
1210
1200
1190
1180
1170
1160

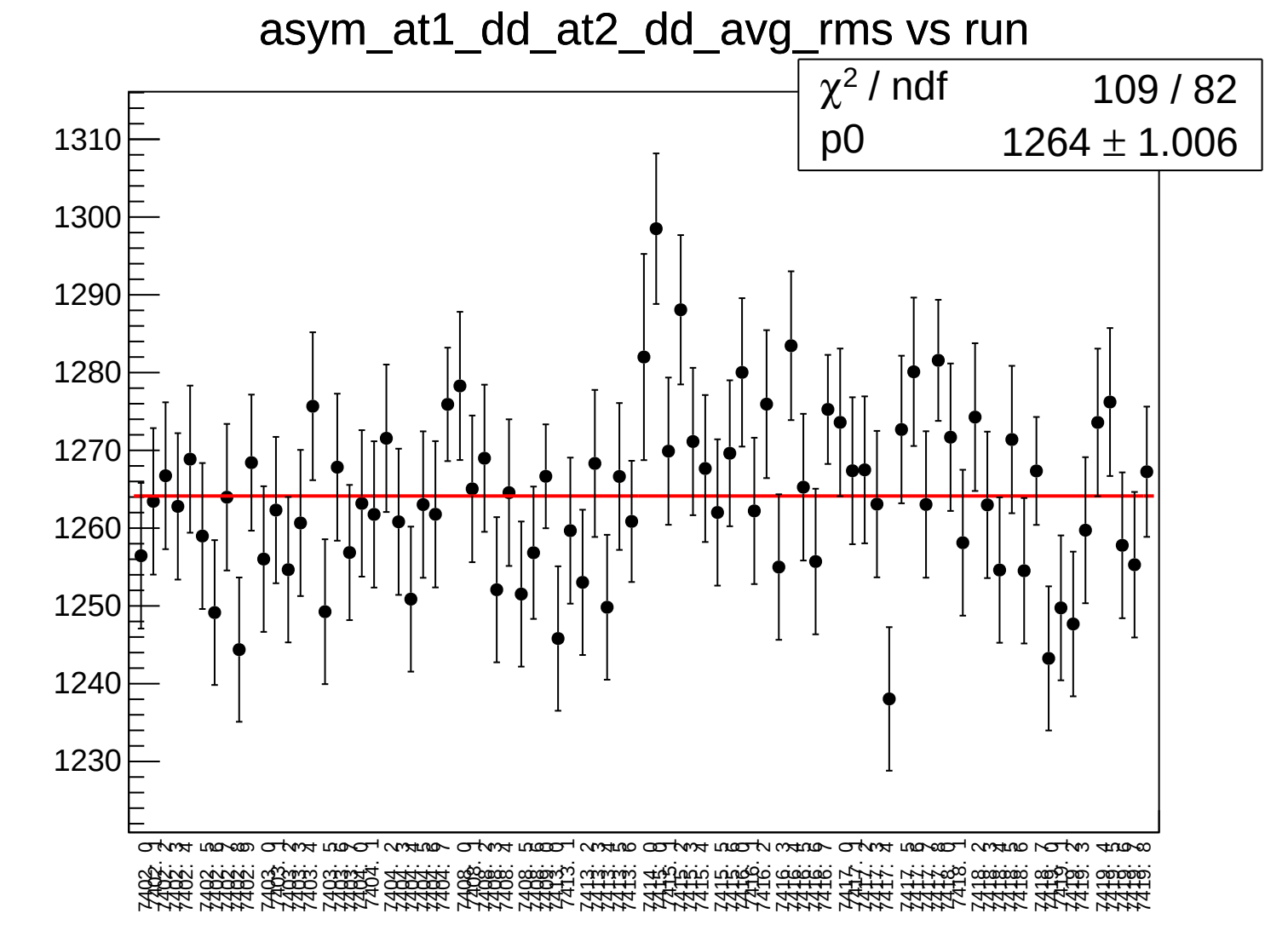

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 75.17 / 82
p0 336.1 ± 553.9
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 188.5
Std Dev 0
2
1
0
−1
−2

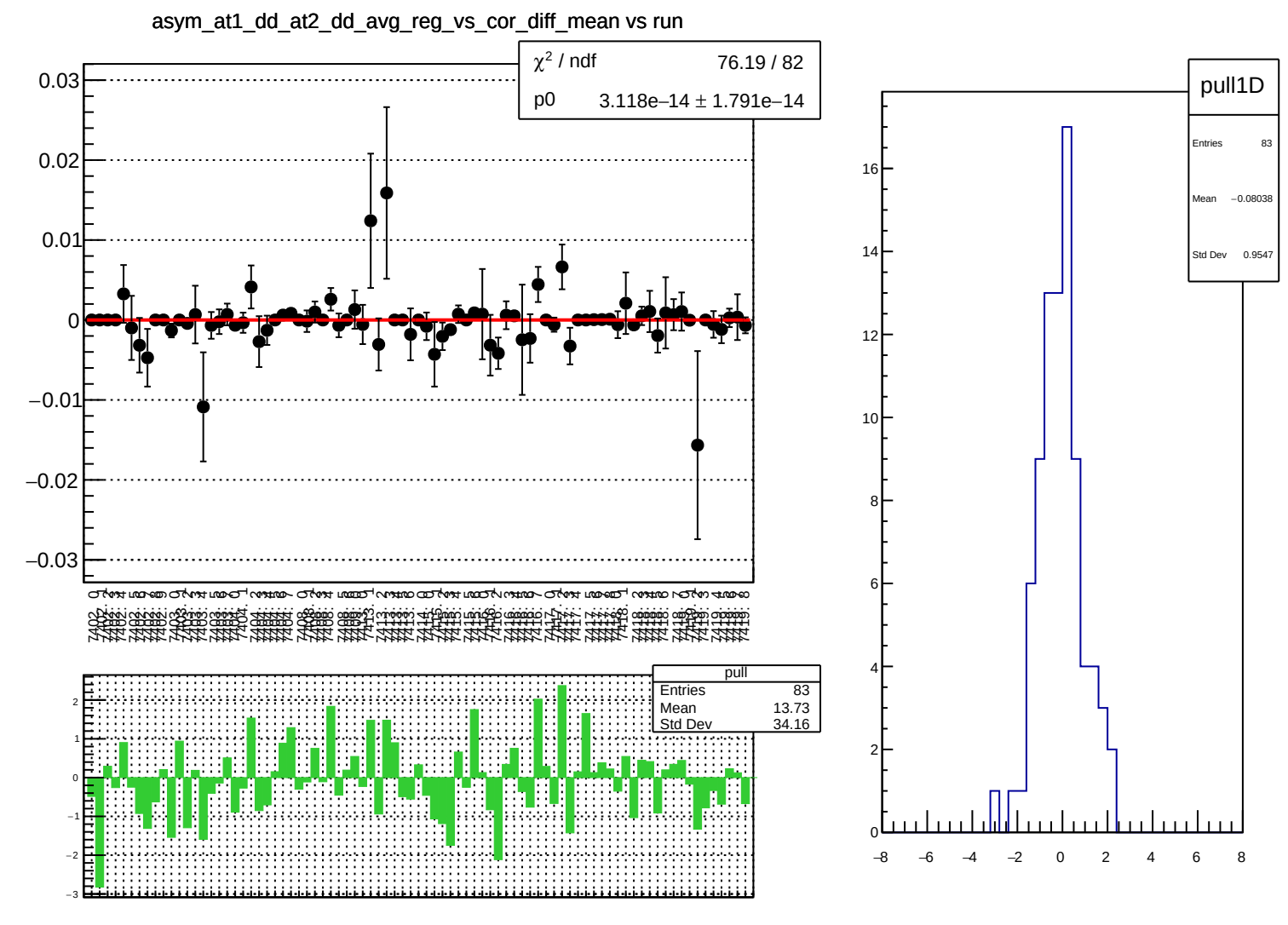

pull1D
Entries 83
Mean 0.01724
Std Dev 0.9515
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

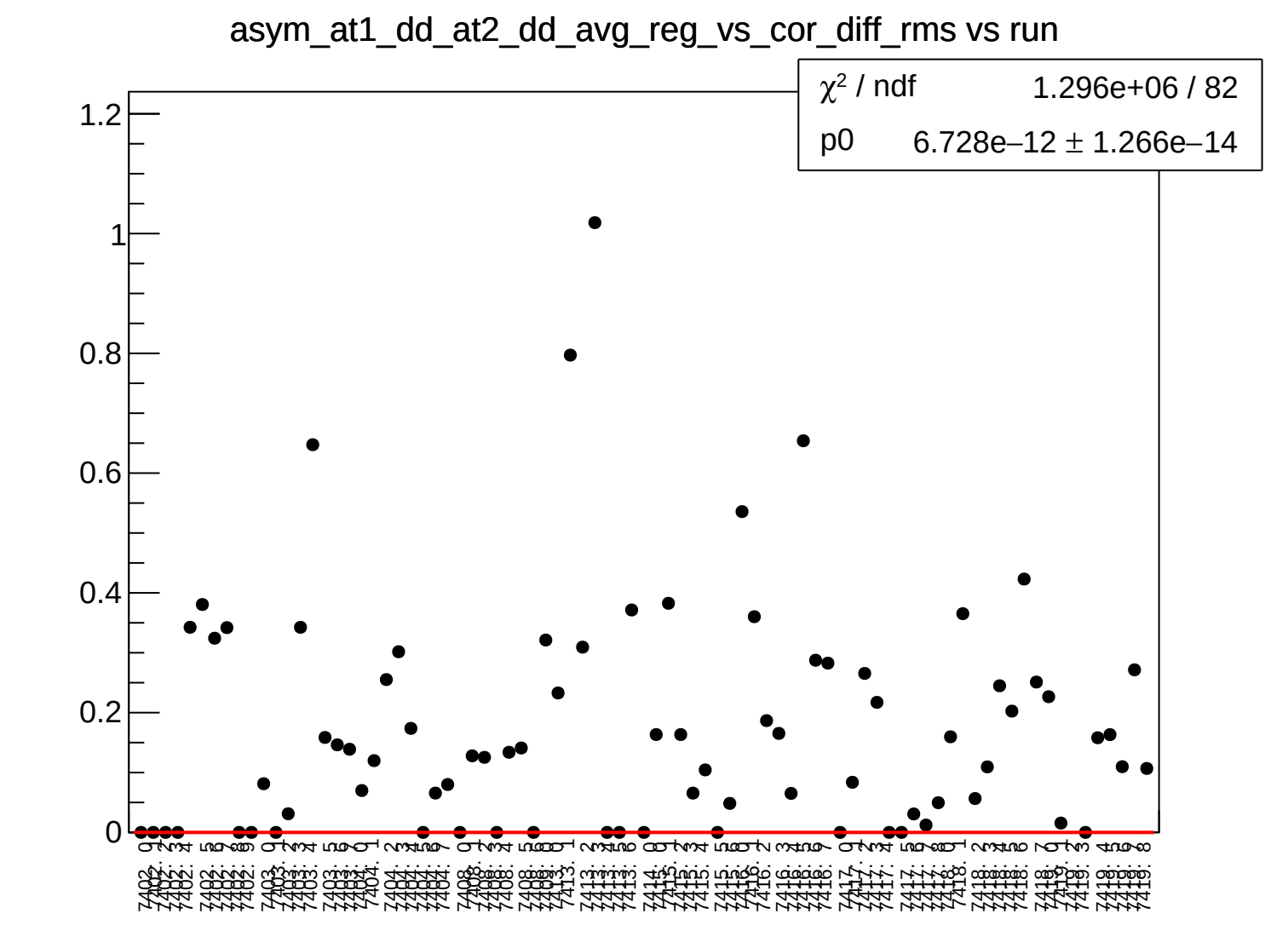

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2381 / 82
p0 491.7 ± 0.3917
540
520
500
480
460
440

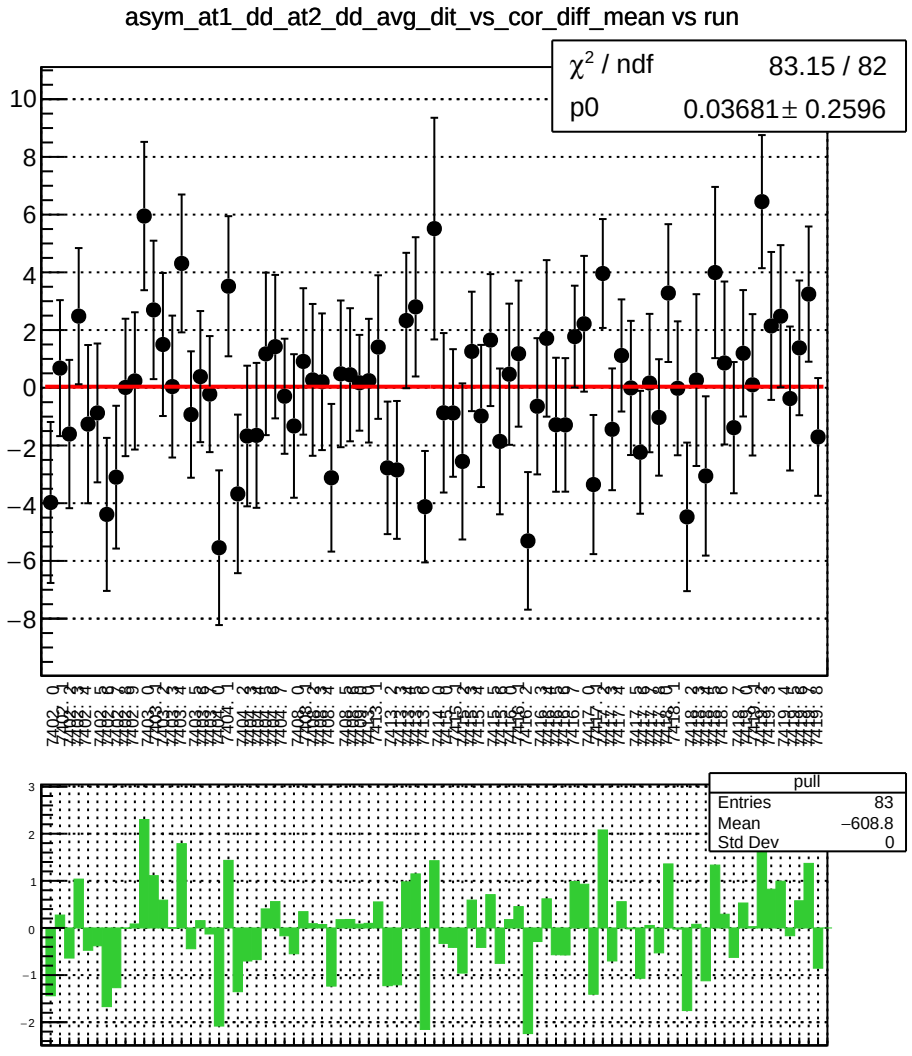

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 86.05 / 82
p0 −1084 ± 1423
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −883
Std Dev 0
2
1
0
−1
−2
−3

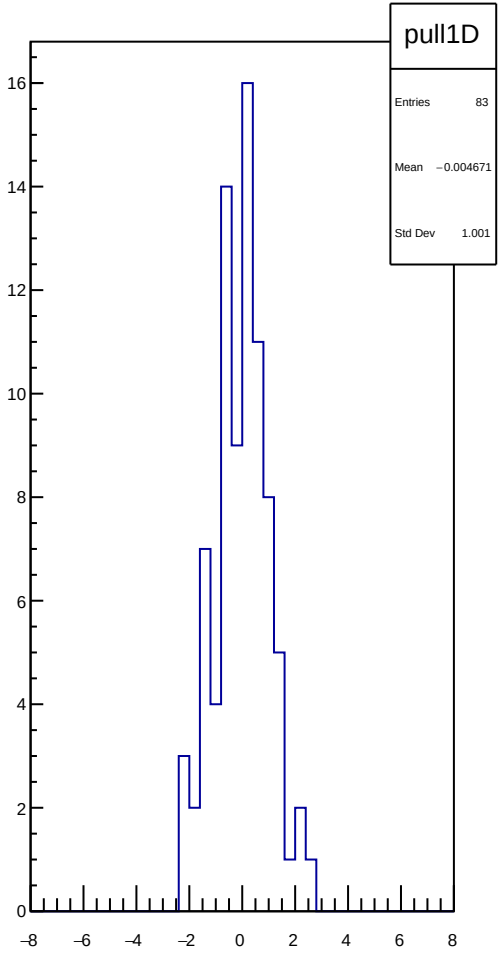

pull1D
Entries 83
Mean −0.003077
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

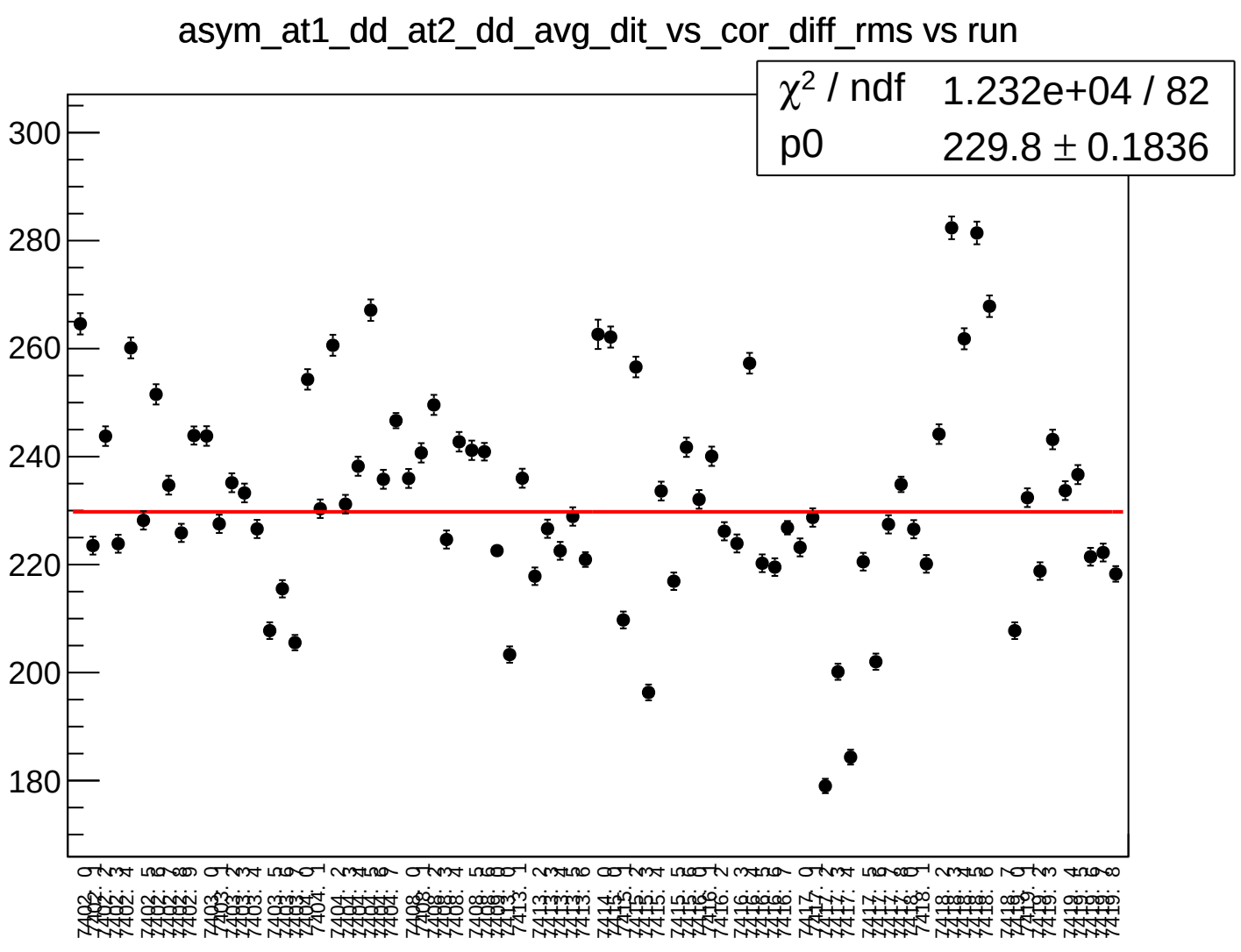

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 109 / 82
p0 1264 ± 1.006
1310
1300
1290
1280
1270
1260
1250
1240
1230

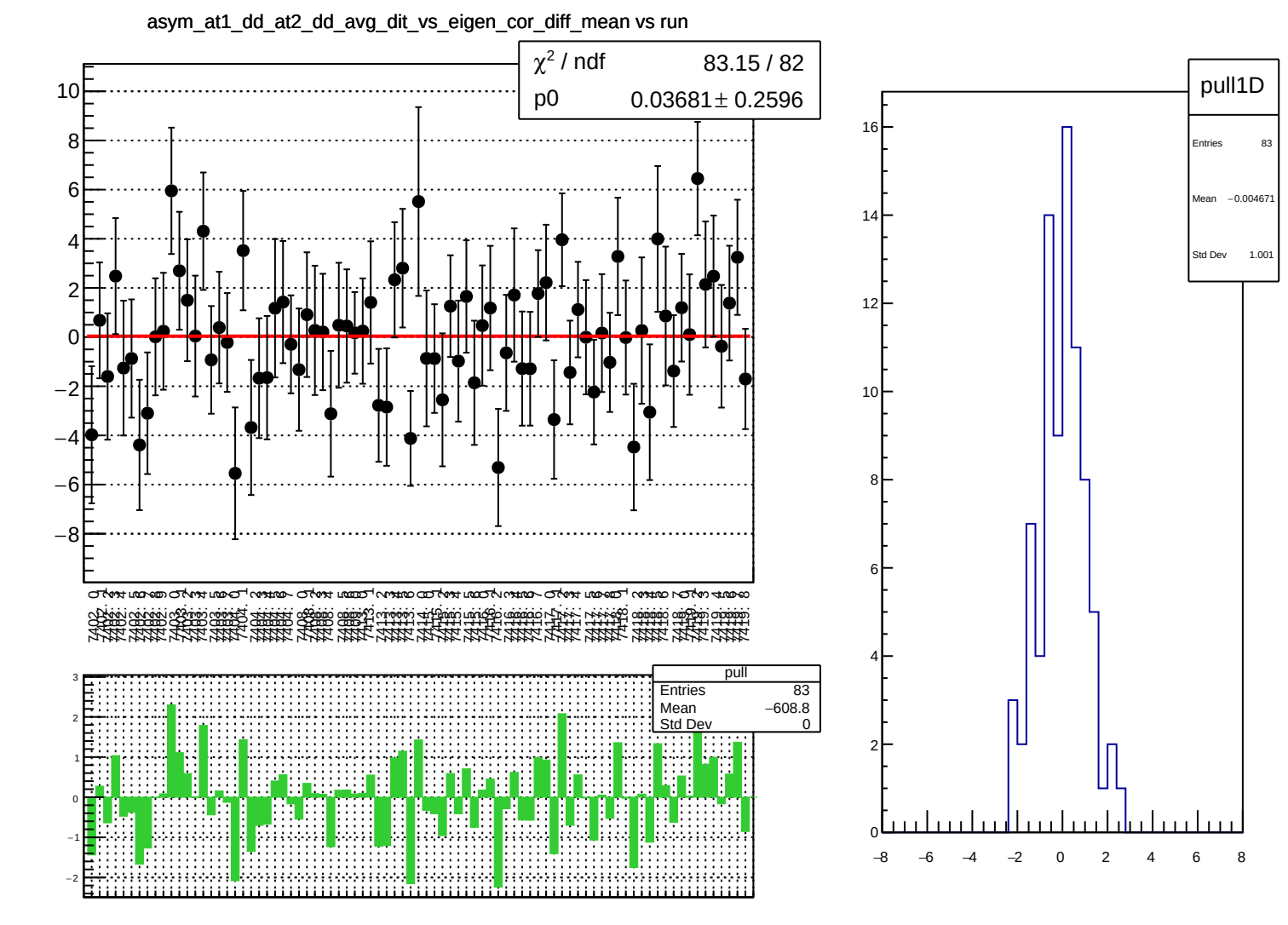

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.19 / 82
p0 3.118e−14 ± 1.791e−14
pull
Entries 83
Mean 13.73
Std Dev 34.16
pull1D
Entries 83
Mean −0.08038
Std Dev 0.9547

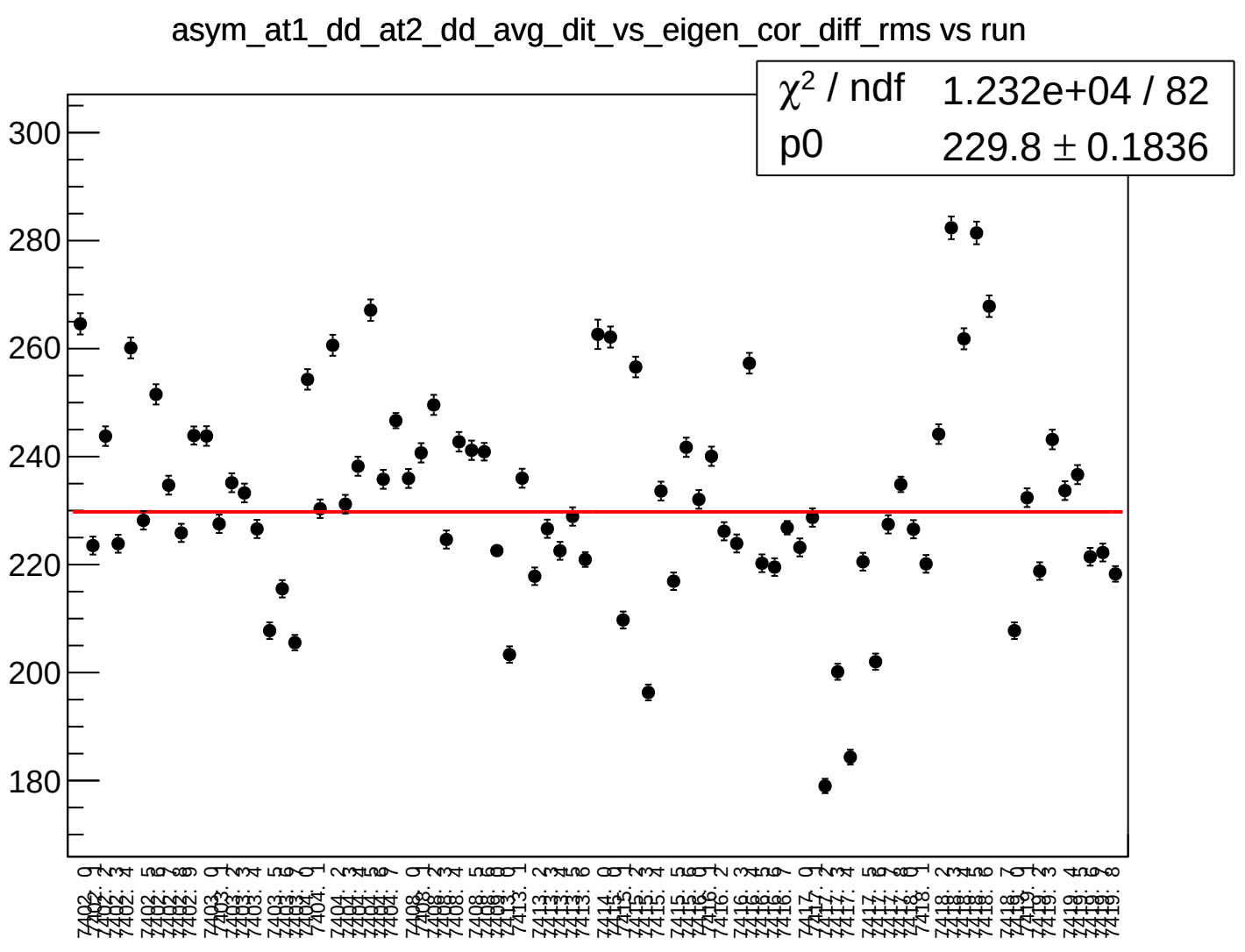

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.296e+06 / 82
p0 6.728e−12 ± 1.266e−14
1.2
1
0.8
0.6
0.4
0.2
0

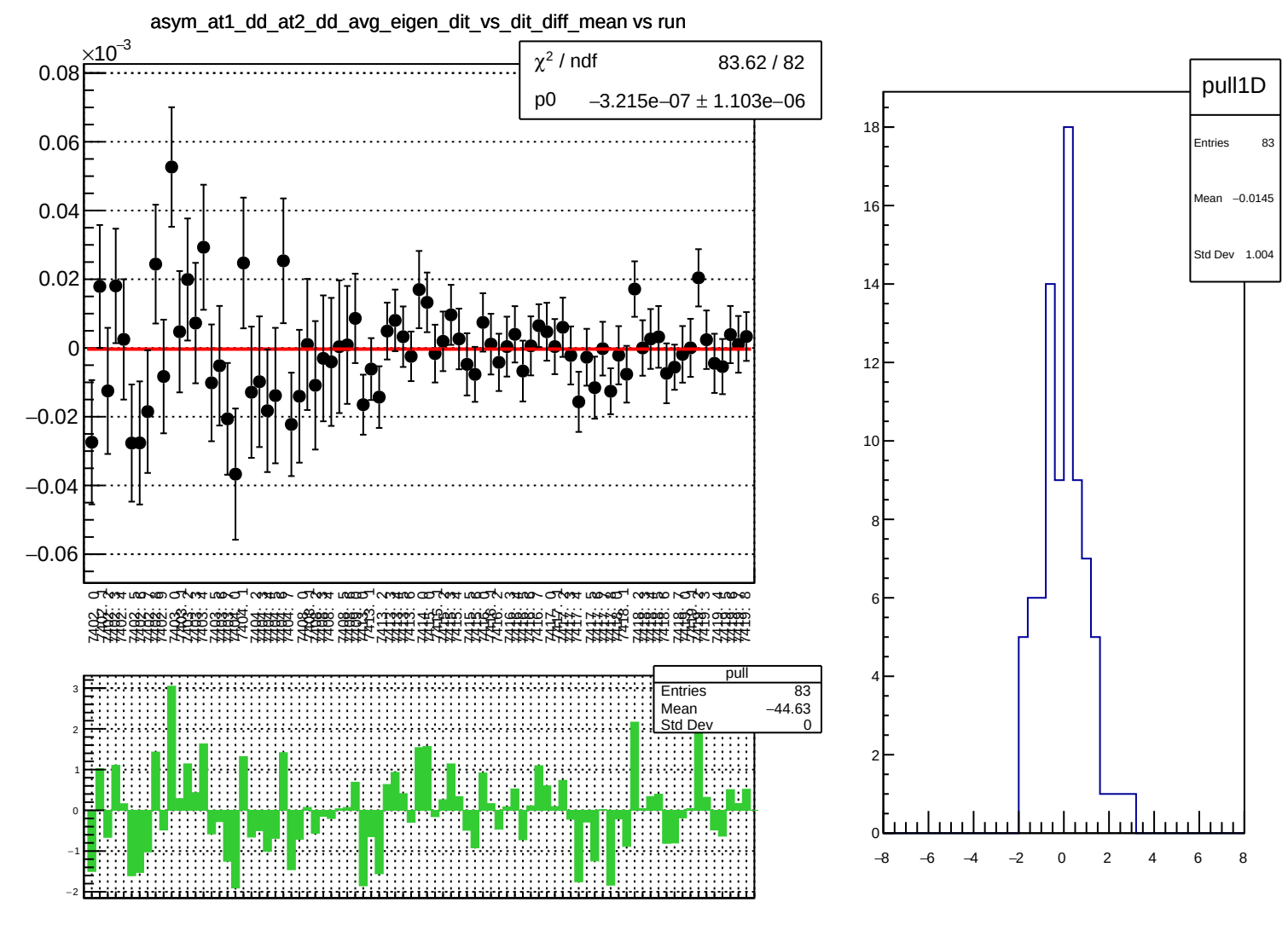

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0

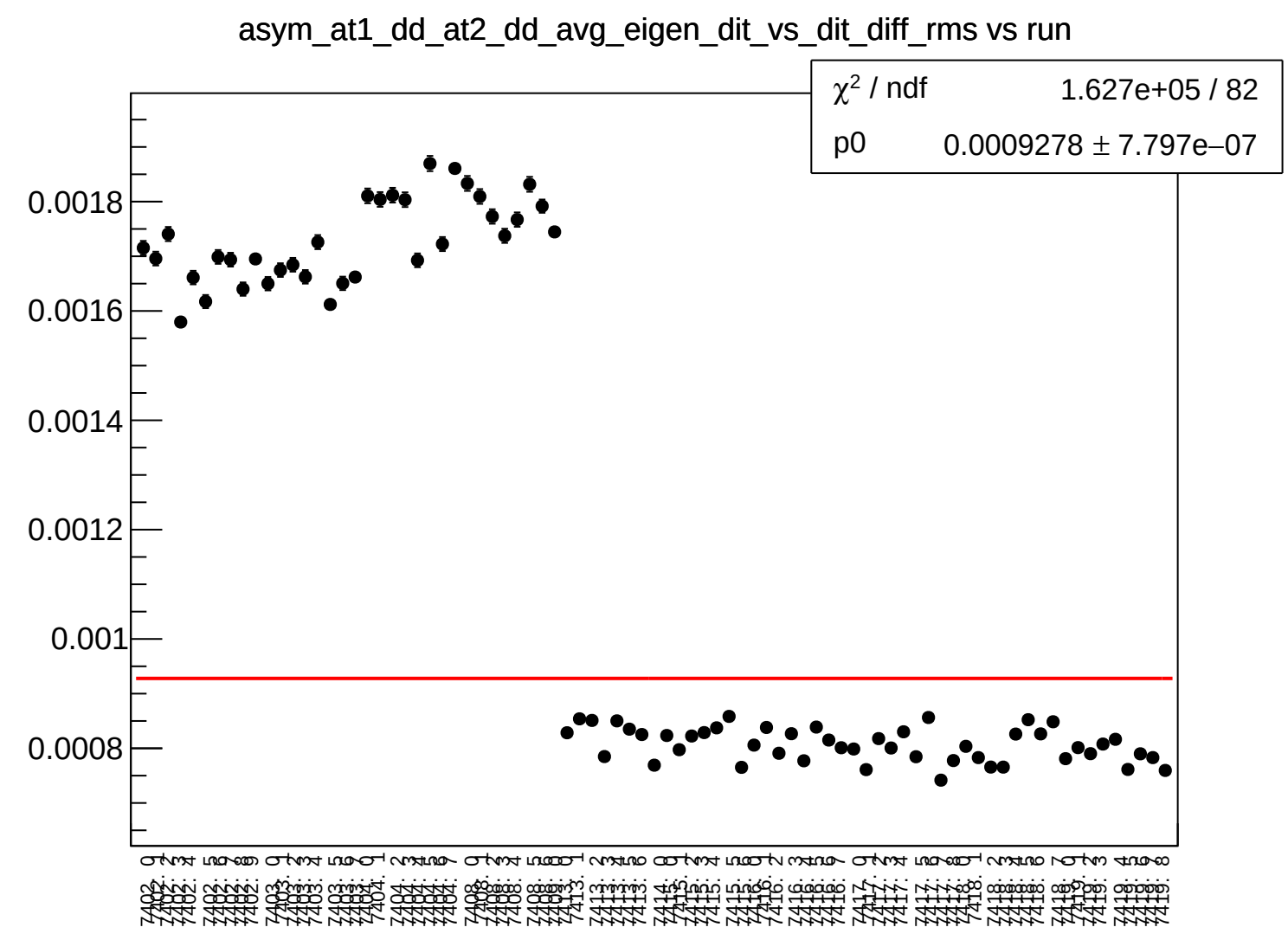

pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

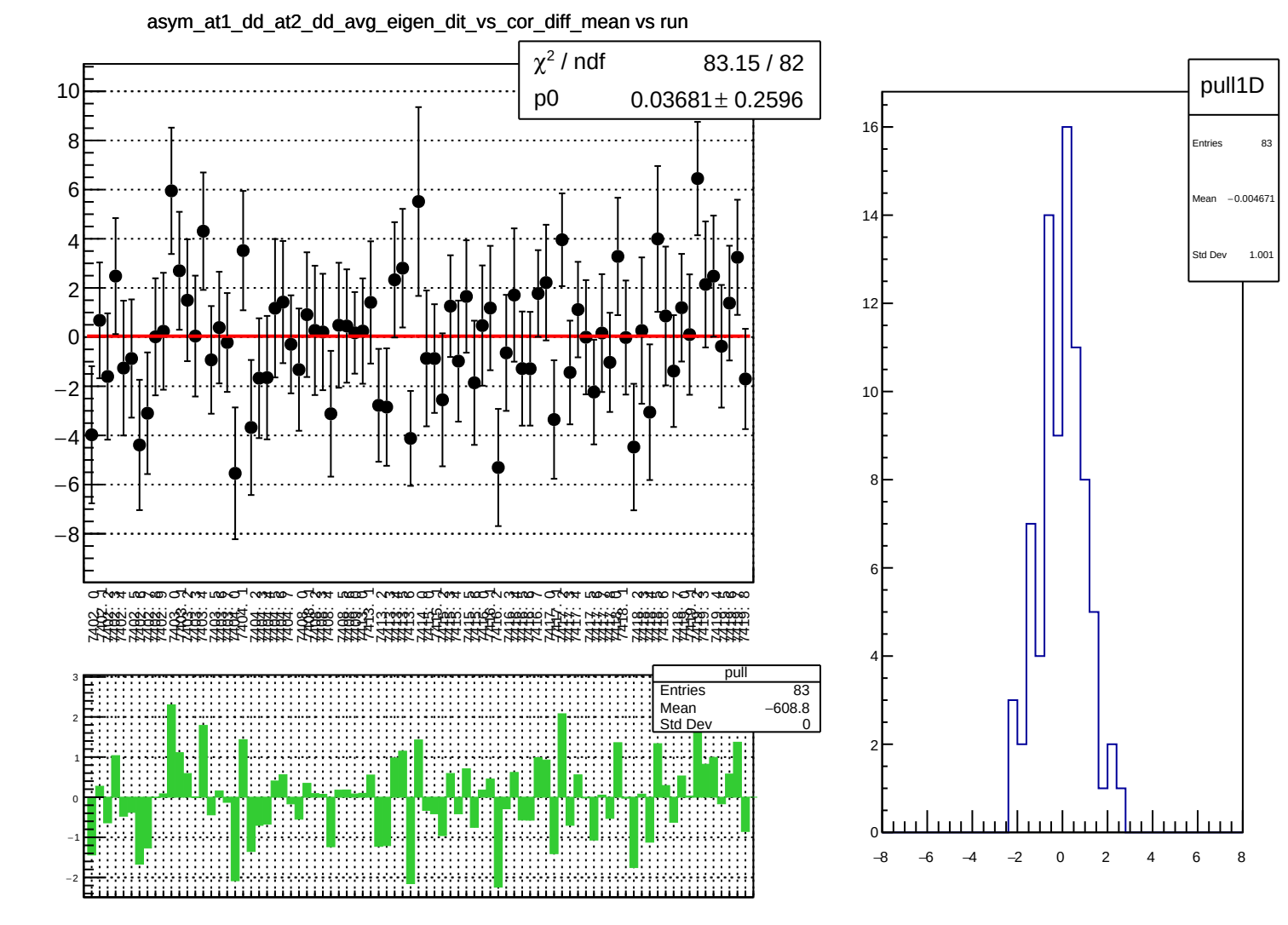

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

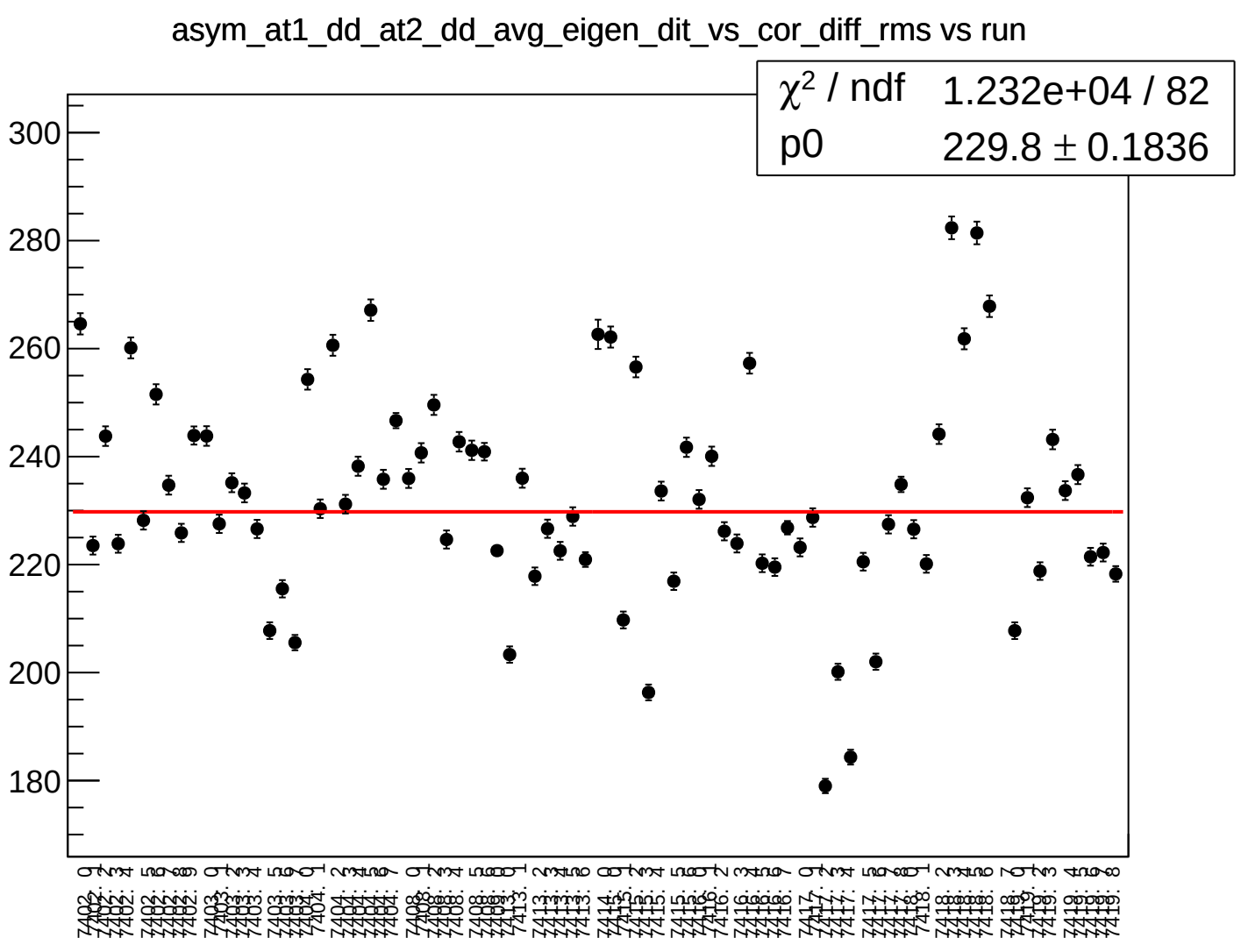

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0
pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

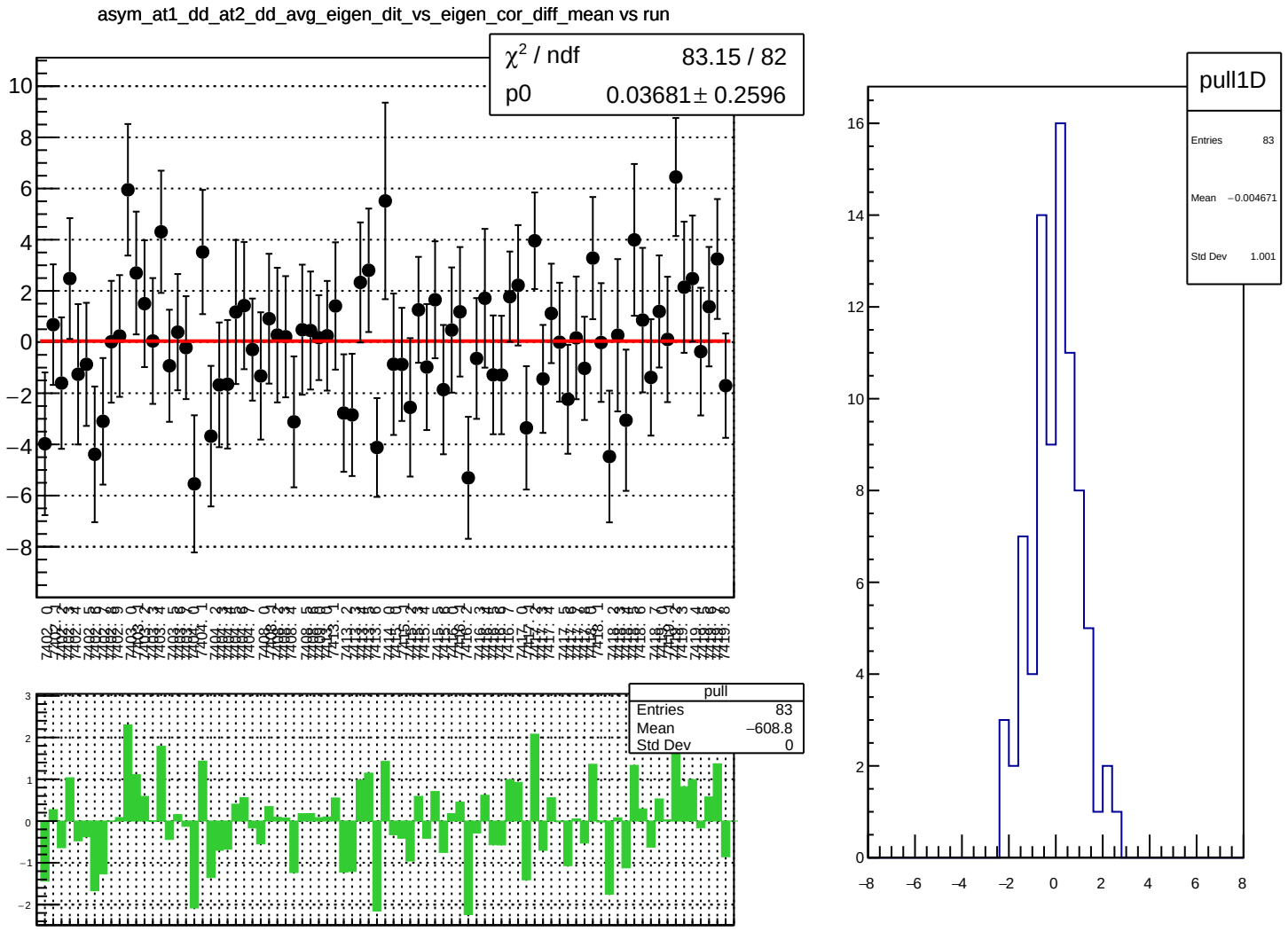

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

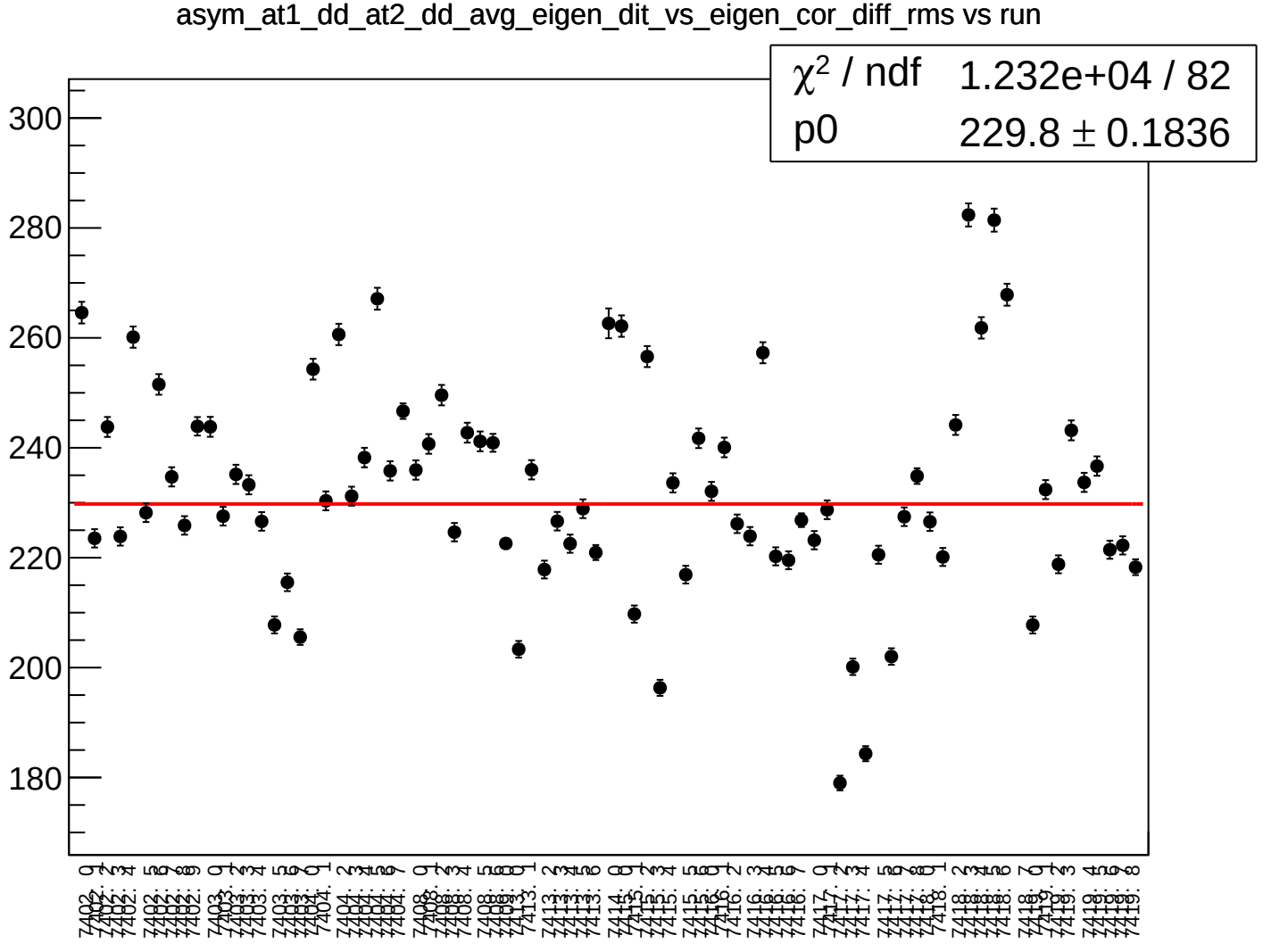

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.62 / 82
p0 −3.215e−07 ± 1.103e−06
pull
Entries 83
Mean −44.63
Std Dev 0
pull1D
Entries 83
Mean −0.0145
Std Dev 1.004

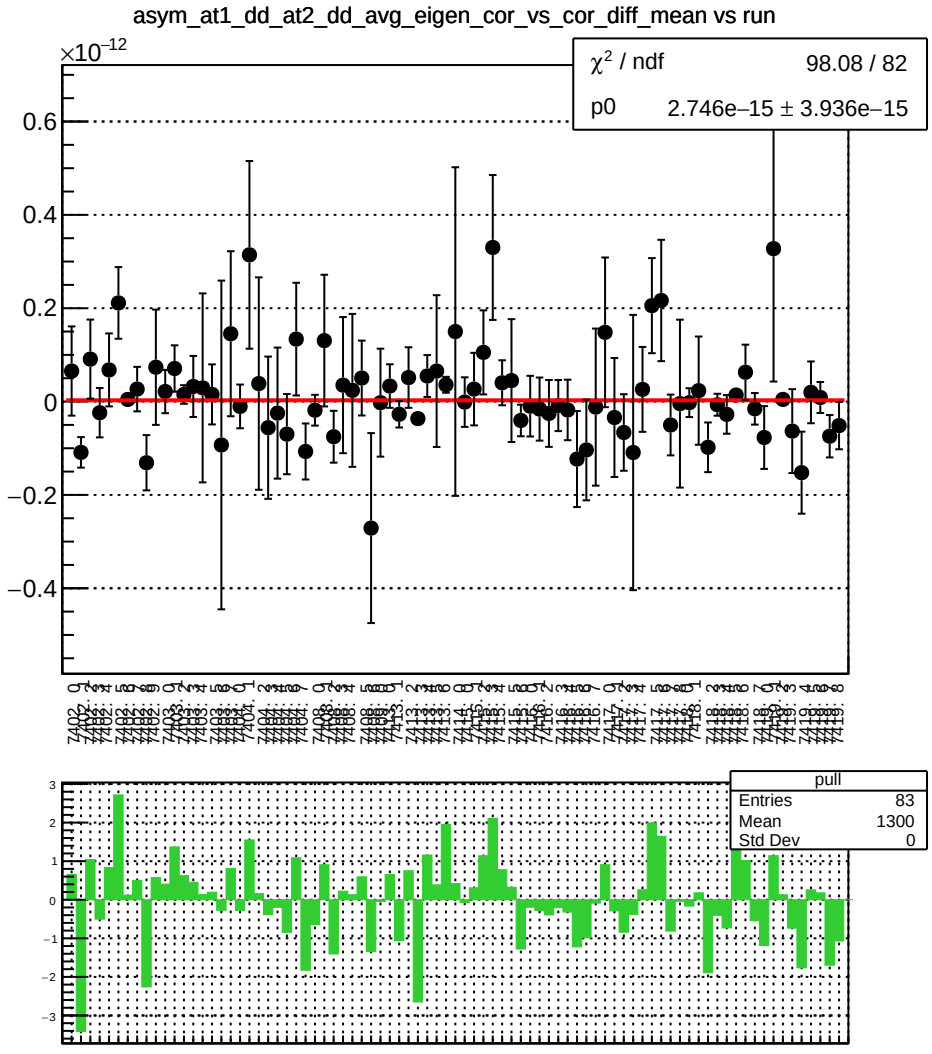

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.627e+05 / 82
p0 0.0009278 ± 7.797e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008

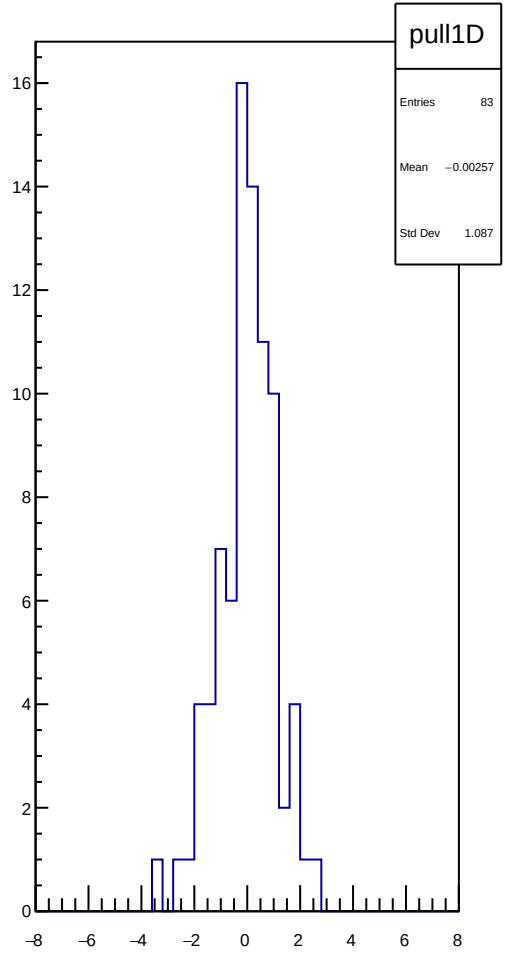

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0
pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

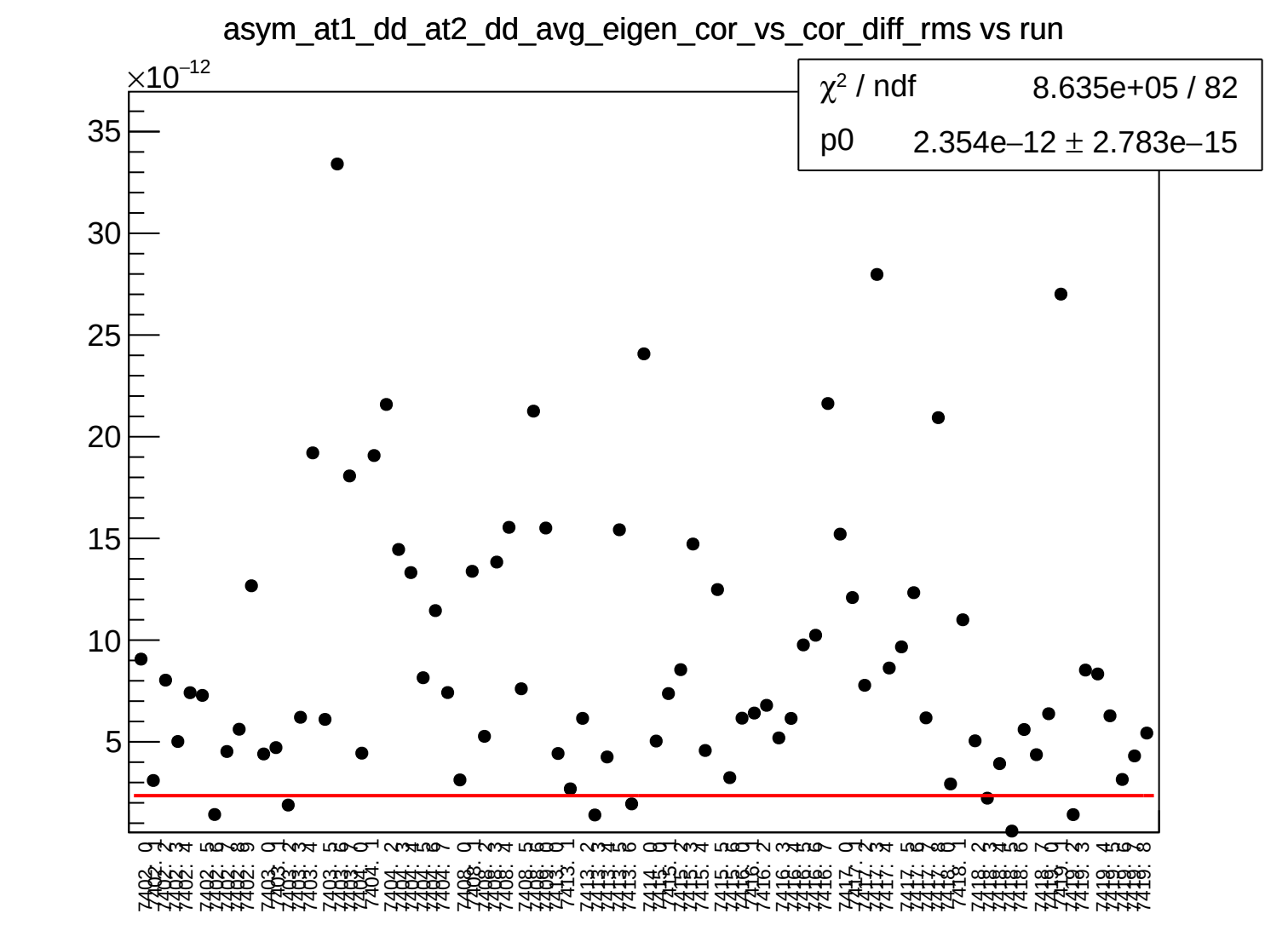

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

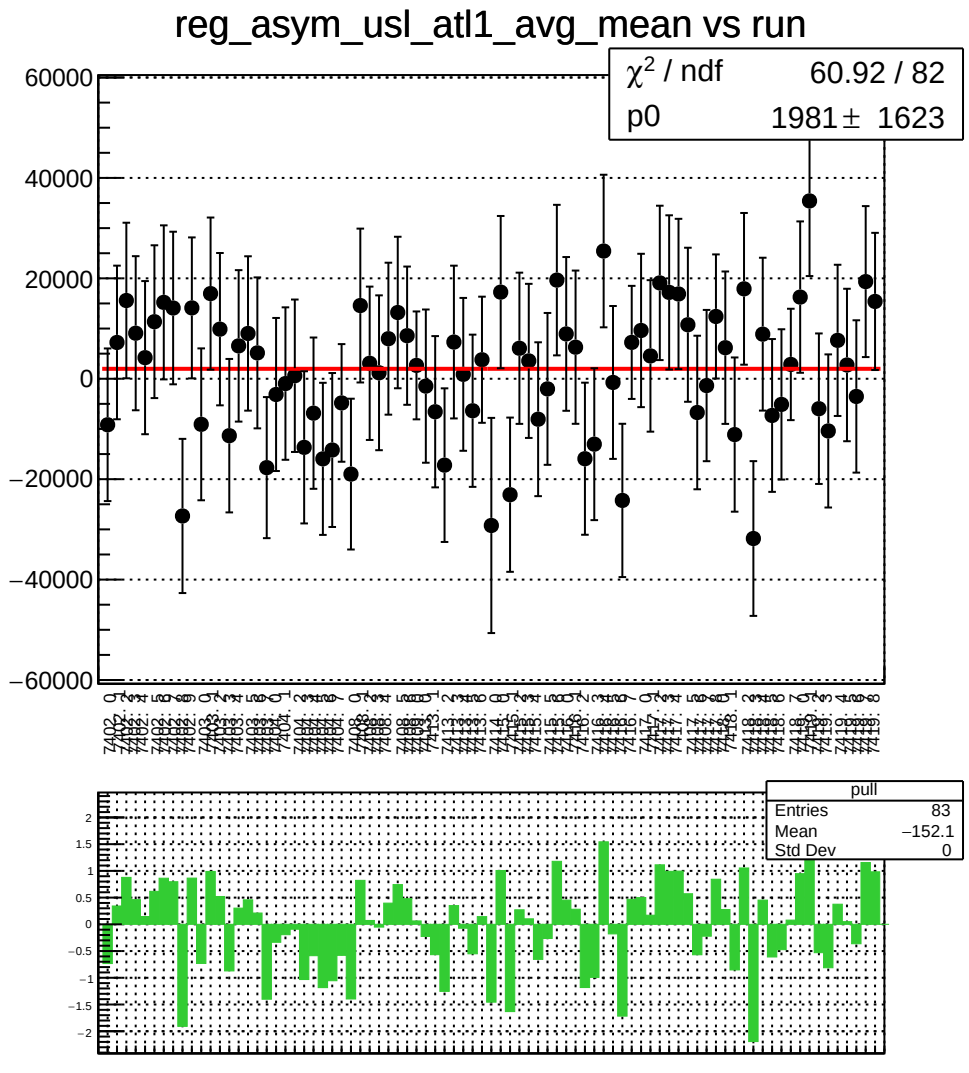

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.15 / 82
p0 0.03681 ± 0.2596
pull
Entries 83
Mean −608.8
Std Dev 0
pull1D
Entries 83
Mean −0.004671
Std Dev 1.001

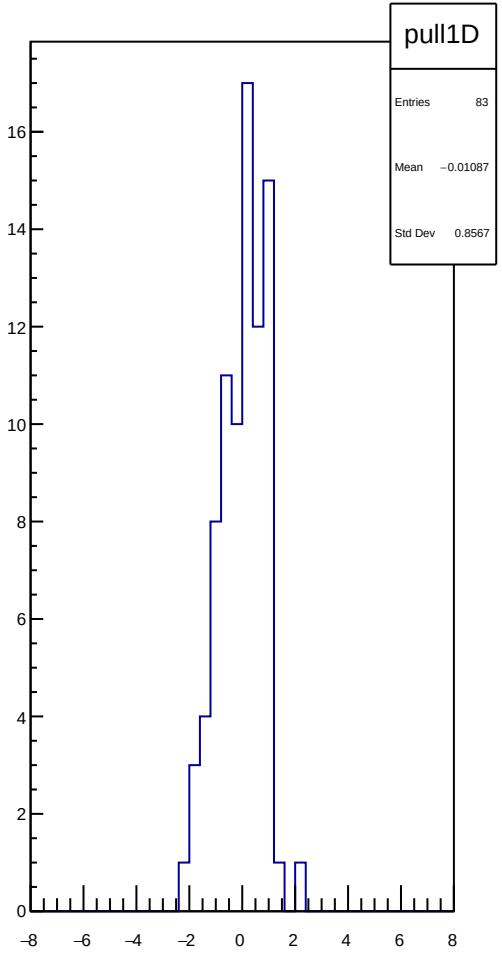

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.232e+04 / 82
p0 229.8 ± 0.1836
300
280
260
240
220
200
180

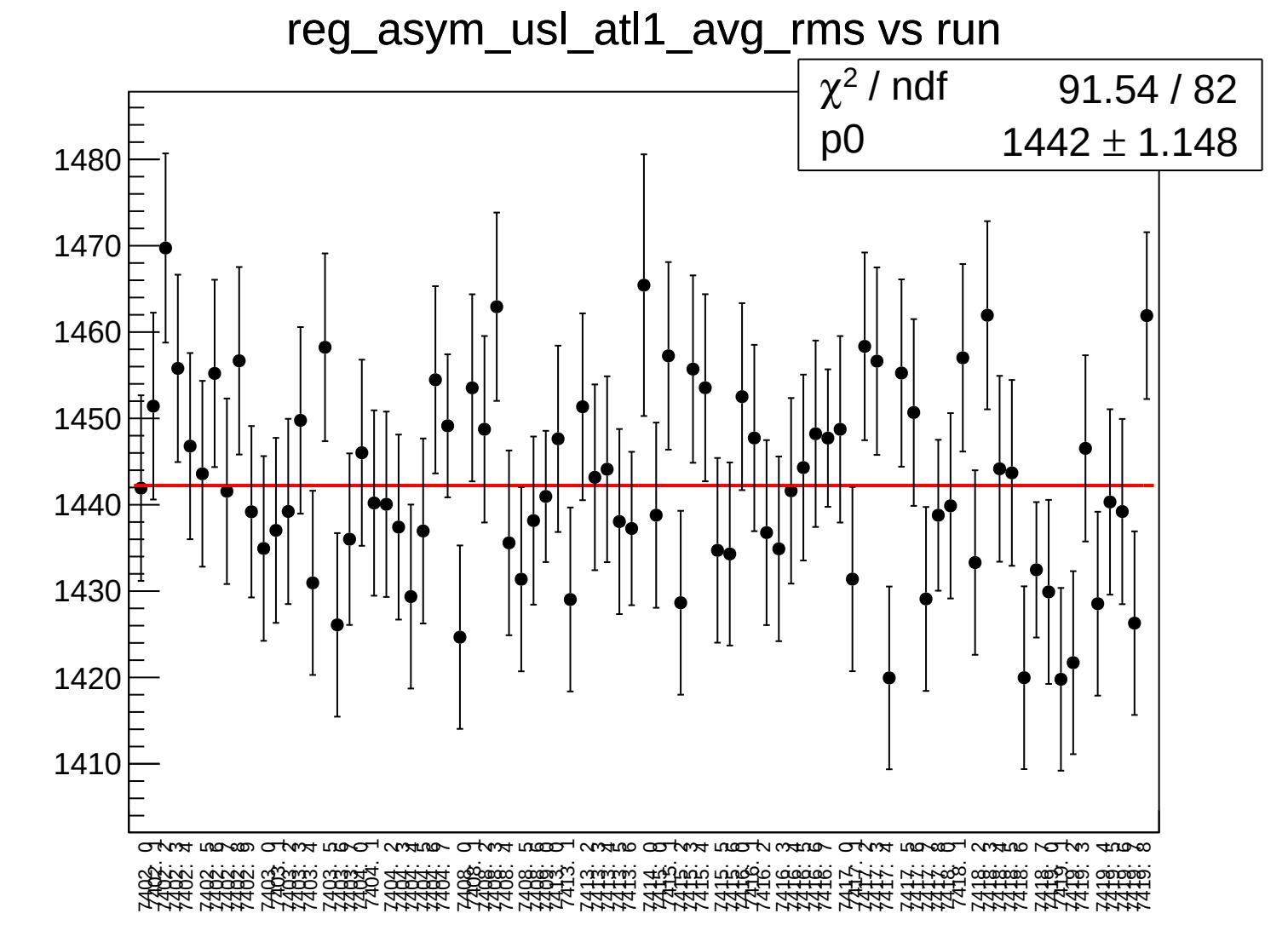

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.08 / 82
p0 2.746e−15 ± 3.936e−15
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 83
Mean 1300
Std Dev 0
3
2
1
0
−1
−2
−3

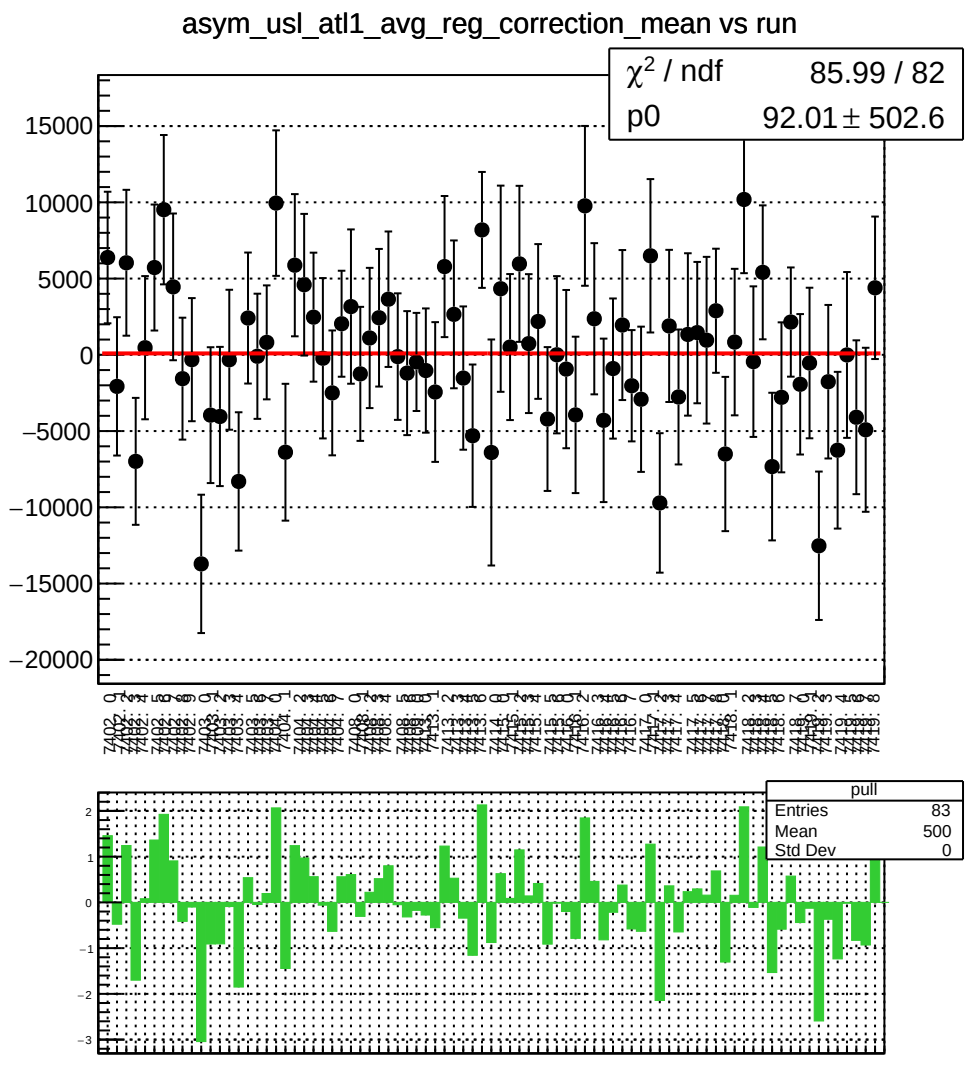

pull1D
Entries 83
Mean −0.00257
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

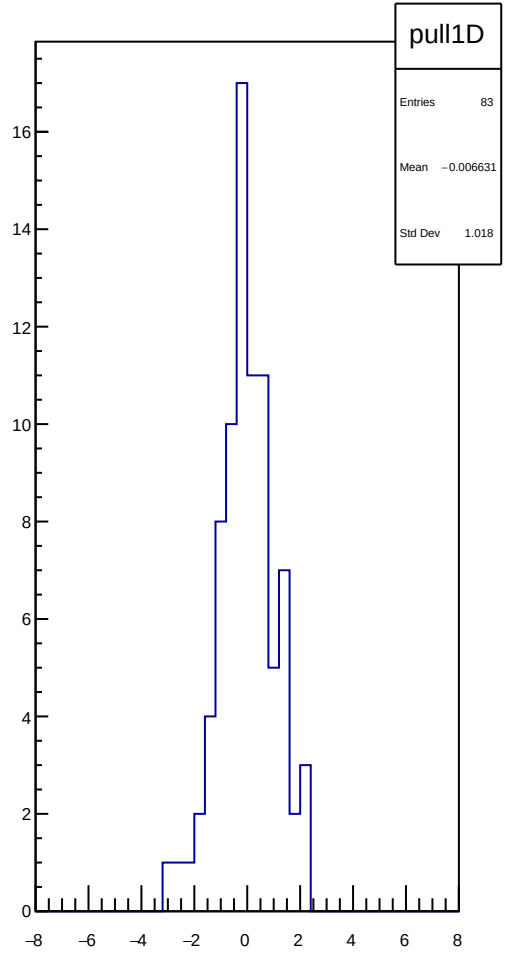

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 8.635e+05 / 82
p0 2.354e−12 ± 2.783e−15
35
30
25
20
15
10
5

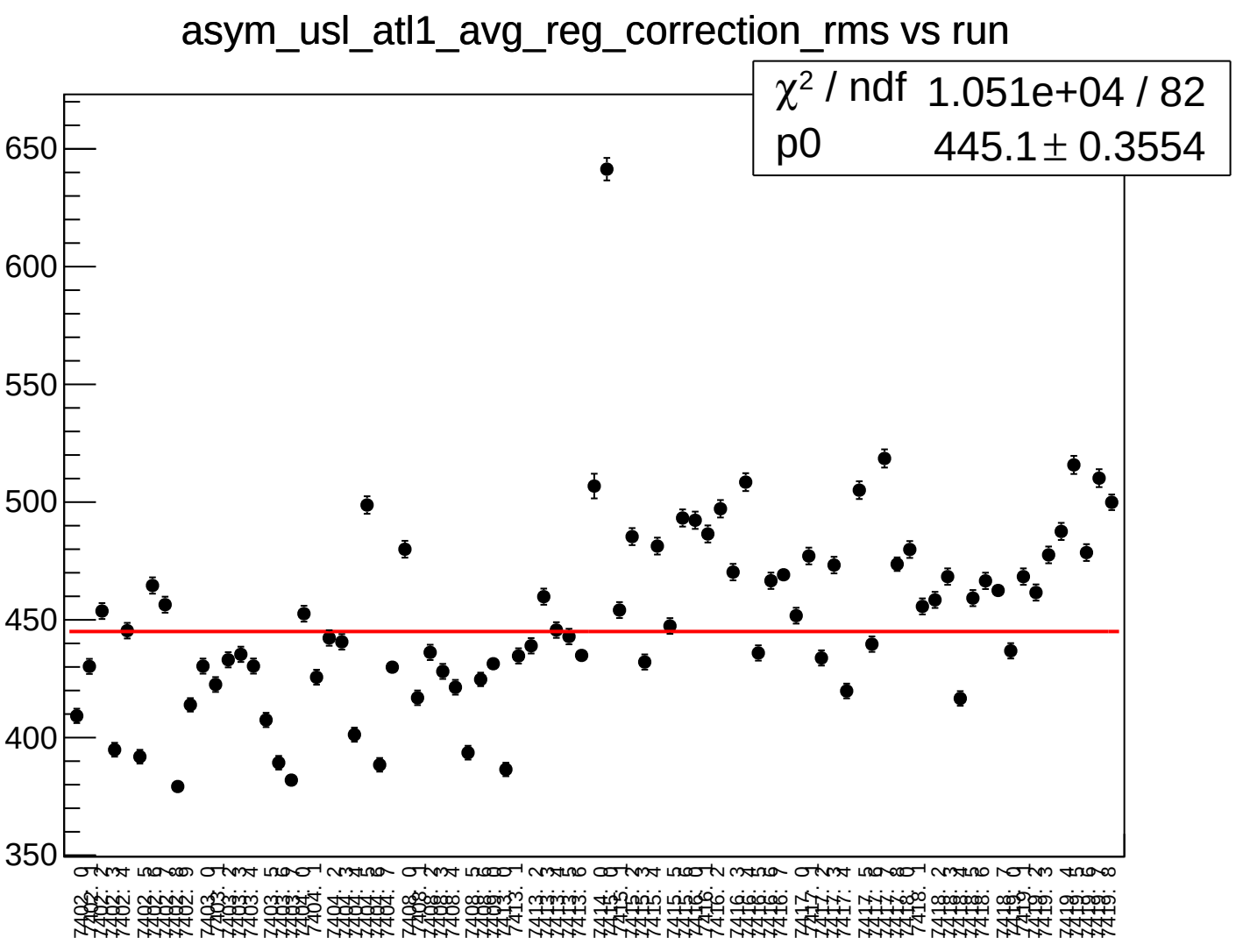

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.92 / 82
p0 1981 ± 1623
pull
Entries 83
Mean −152.1
Std Dev 0

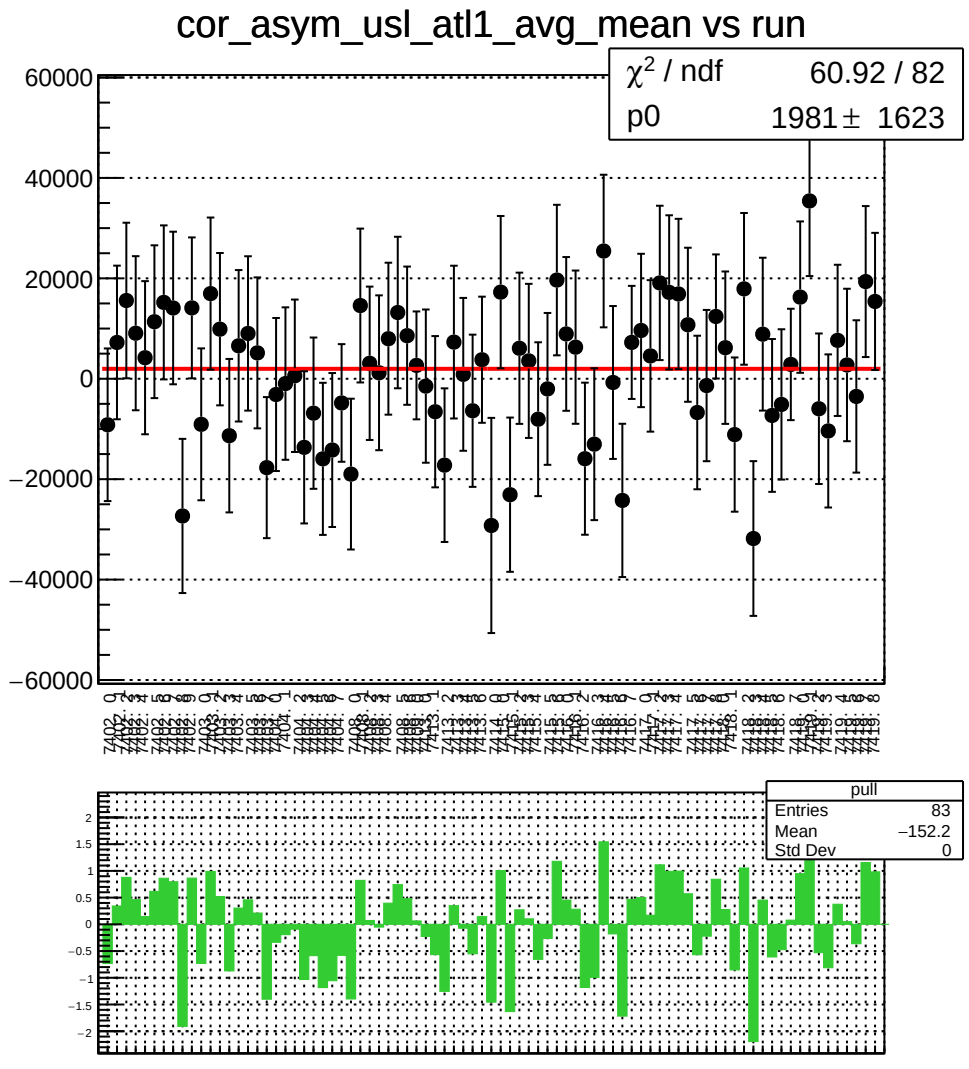

pull1D
Entries 83
Mean −0.01087
Std Dev 0.8567

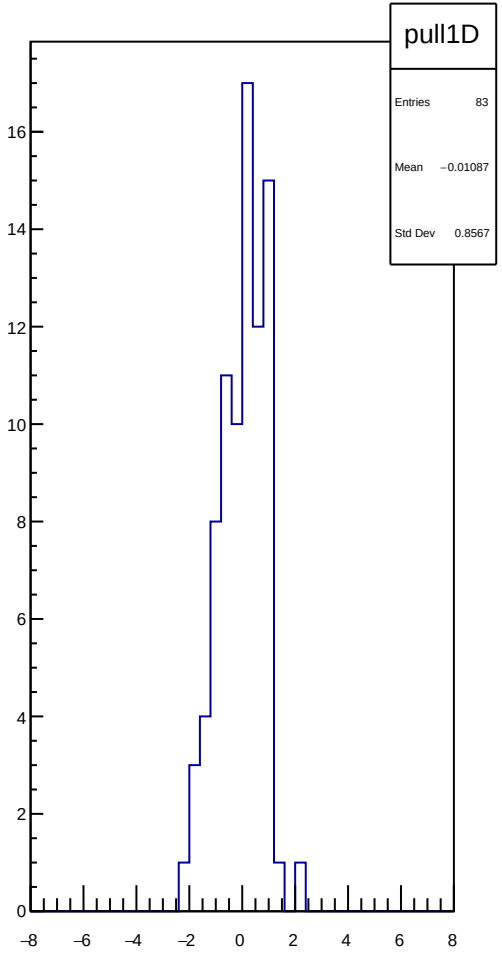

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 91.54 / 82
p0 1442 ± 1.148
1480
1470
1460
1450
1440
1430
1420
1410

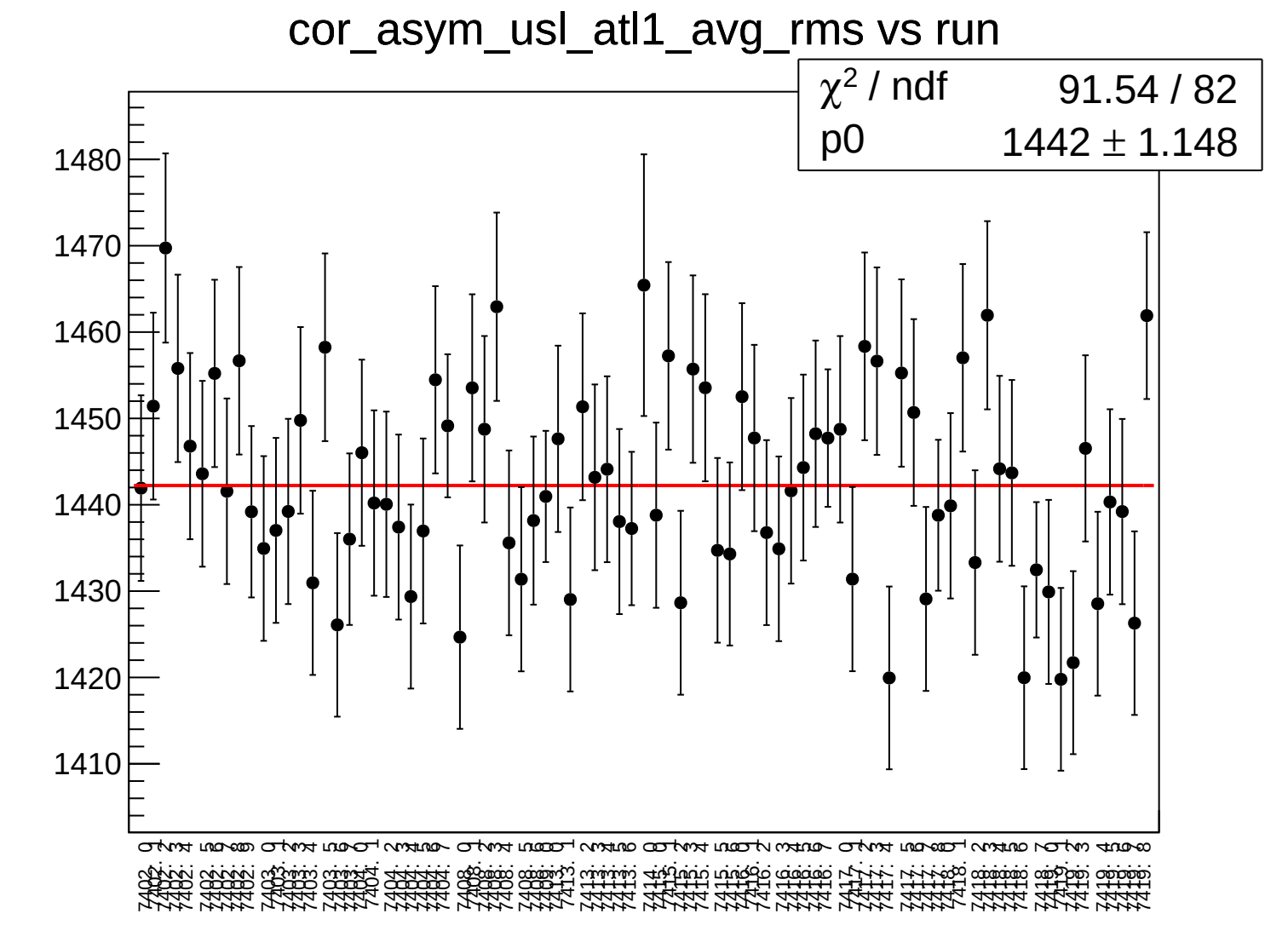

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 85.99 / 82
p0 92.01 ± 502.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 500
Std Dev 0
2
1
0
−1
−2
−3

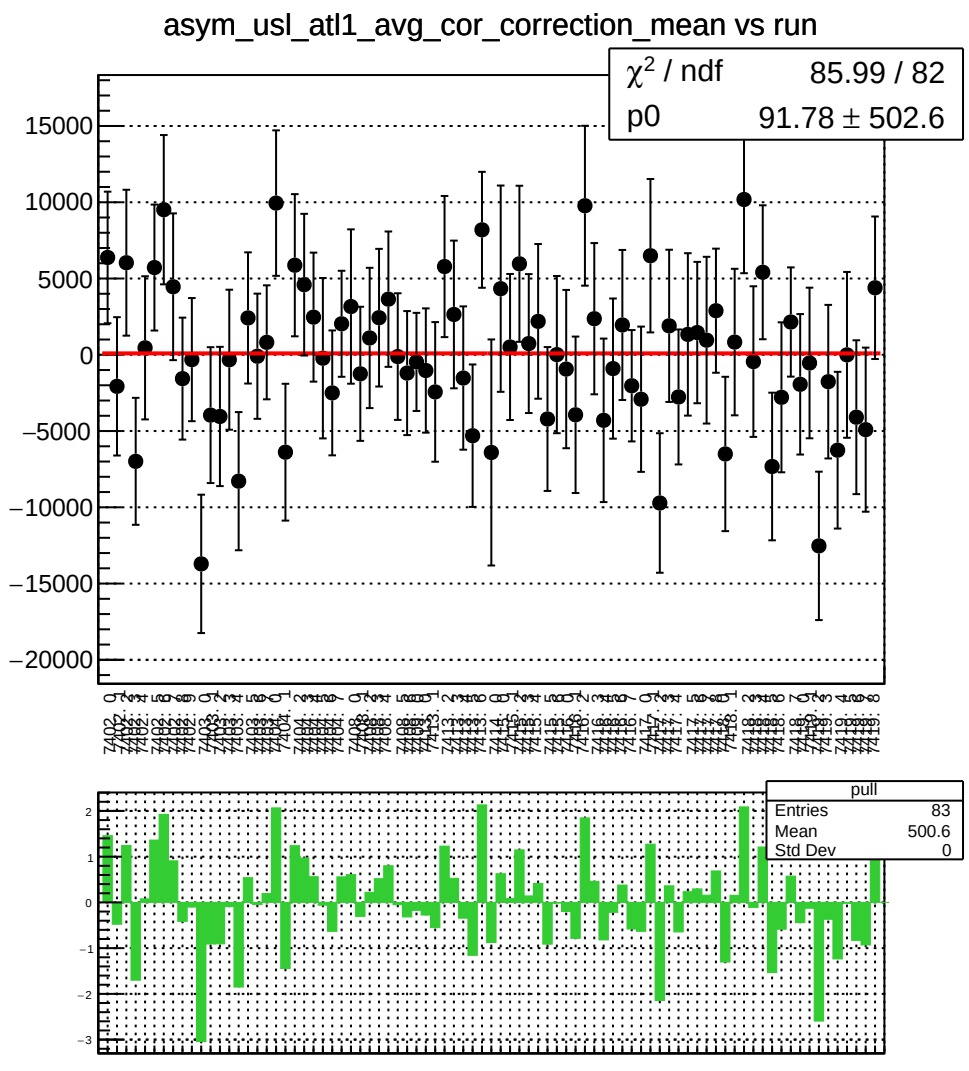

pull1D
Entries 83
Mean −0.006631
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

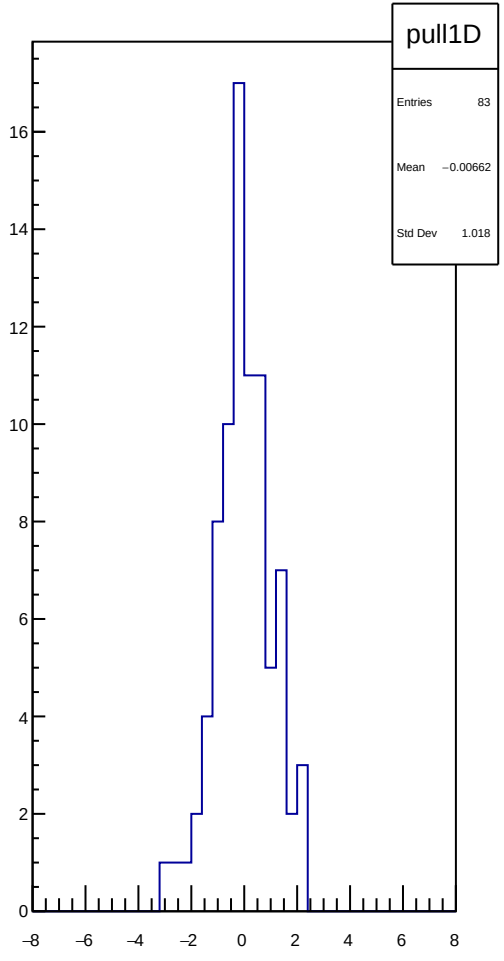

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 1.051e+04 / 82
p0 445.1 ± 0.3554
650
600
550
500
450
400
350

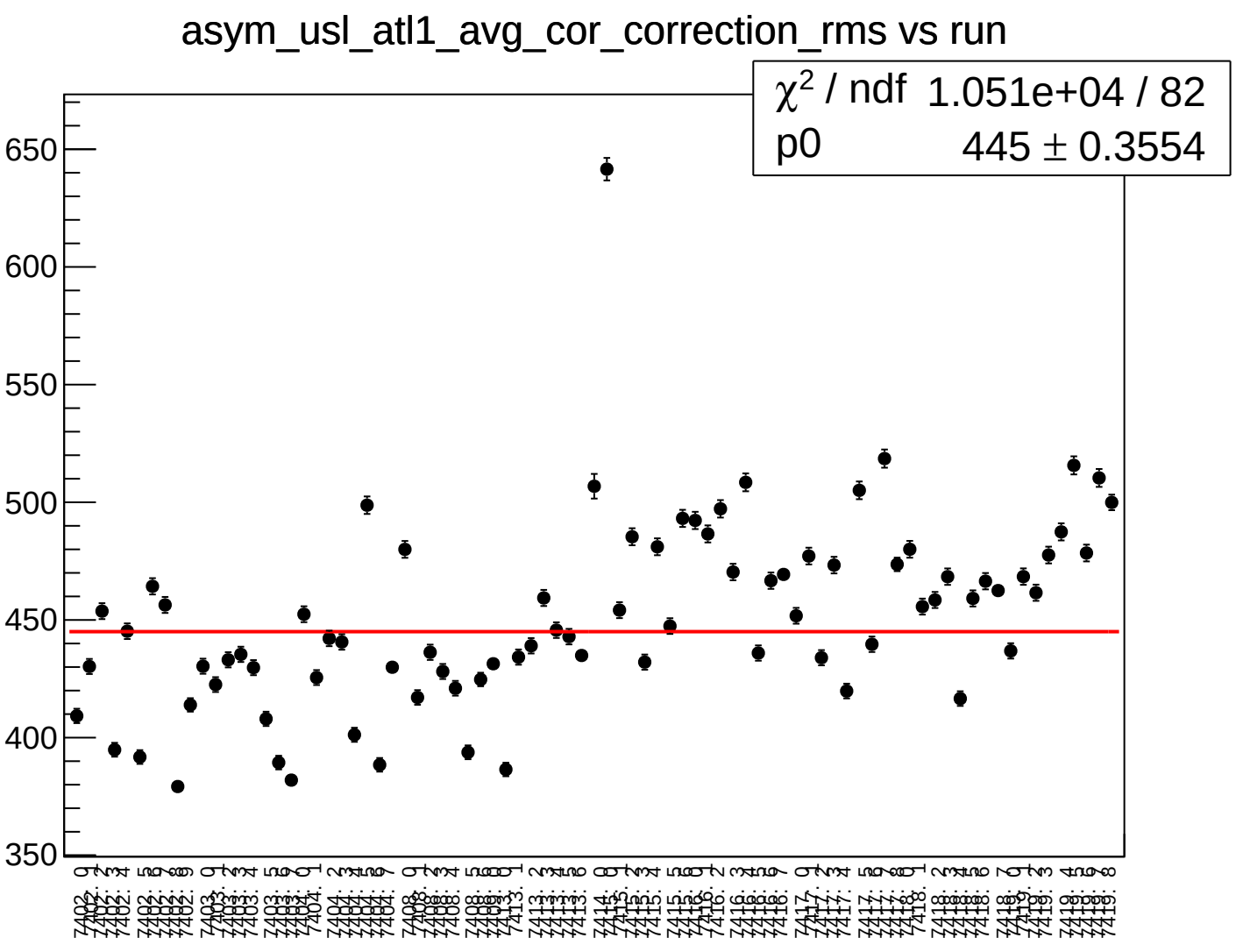

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.92 / 82
p0 1981 ± 1623
pull
Entries 83
Mean −152.2
Std Dev 0

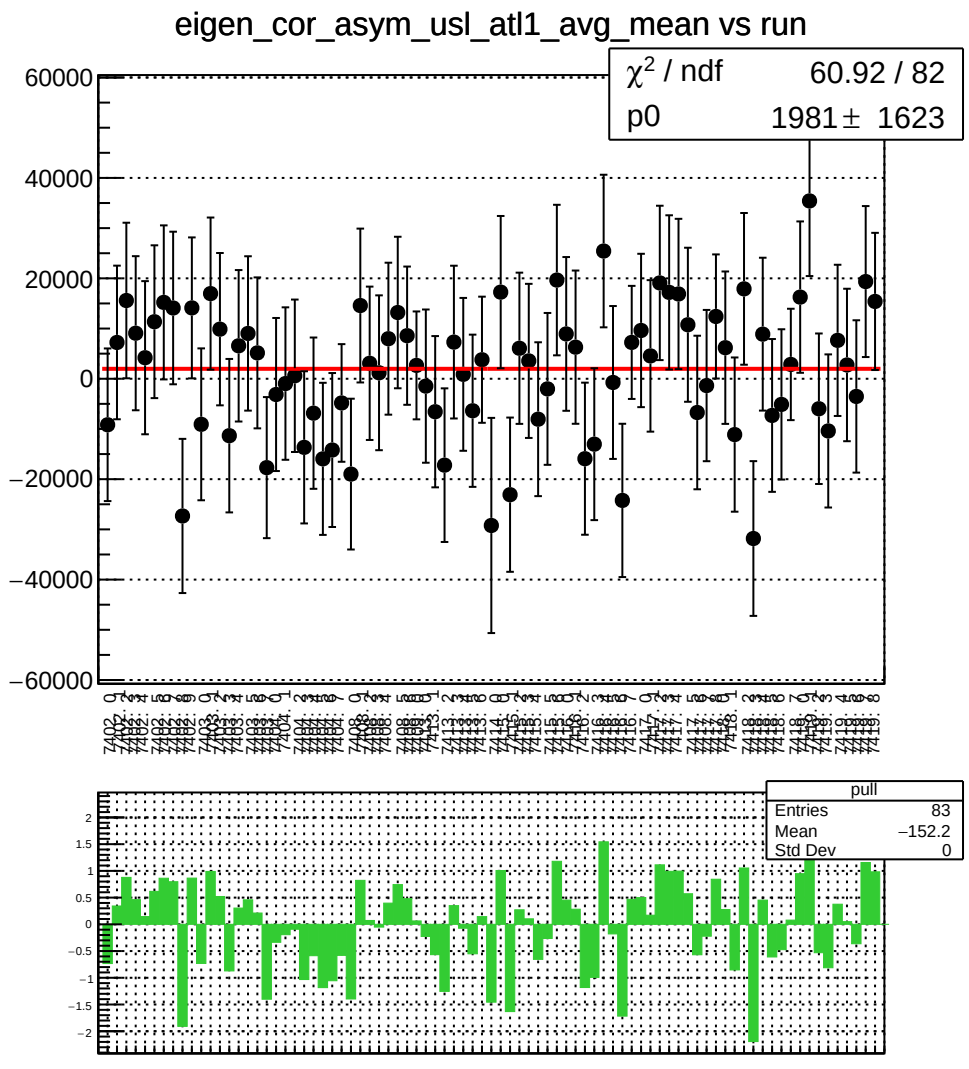

pull1D
Entries 83
Mean −0.01087
Std Dev 0.8567

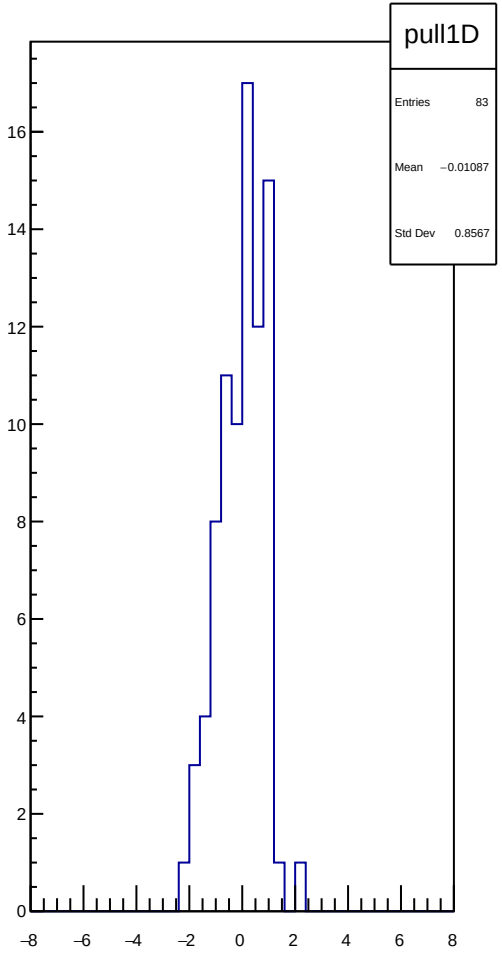

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 91.54 / 82
p0 1442 ± 1.148
1480
1470
1460
1450
1440
1430
1420
1410

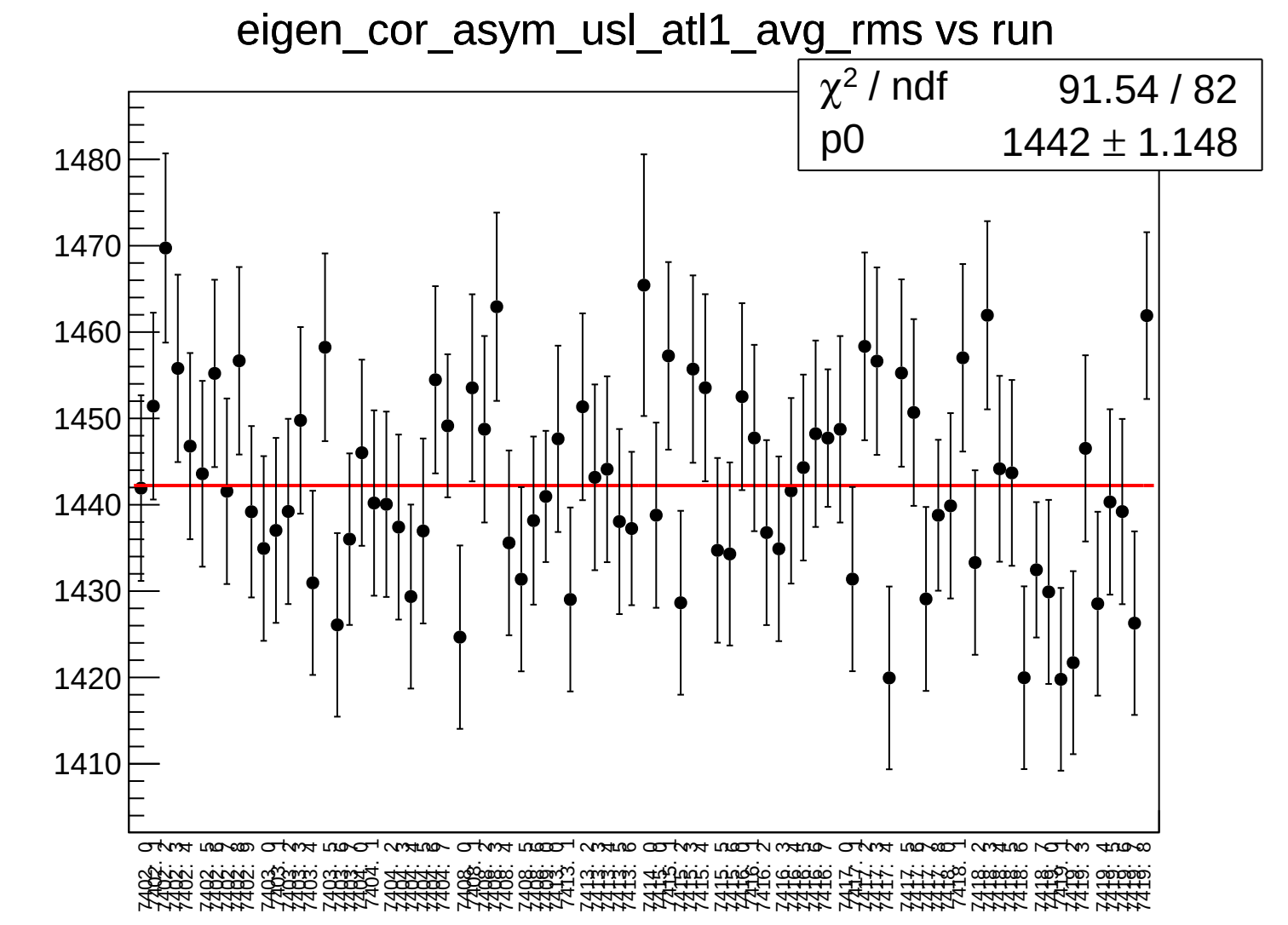

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 85.99 / 82
p0 91.78 ± 502.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 500.6
Std Dev 0
2
1
0
−1
−2
−3

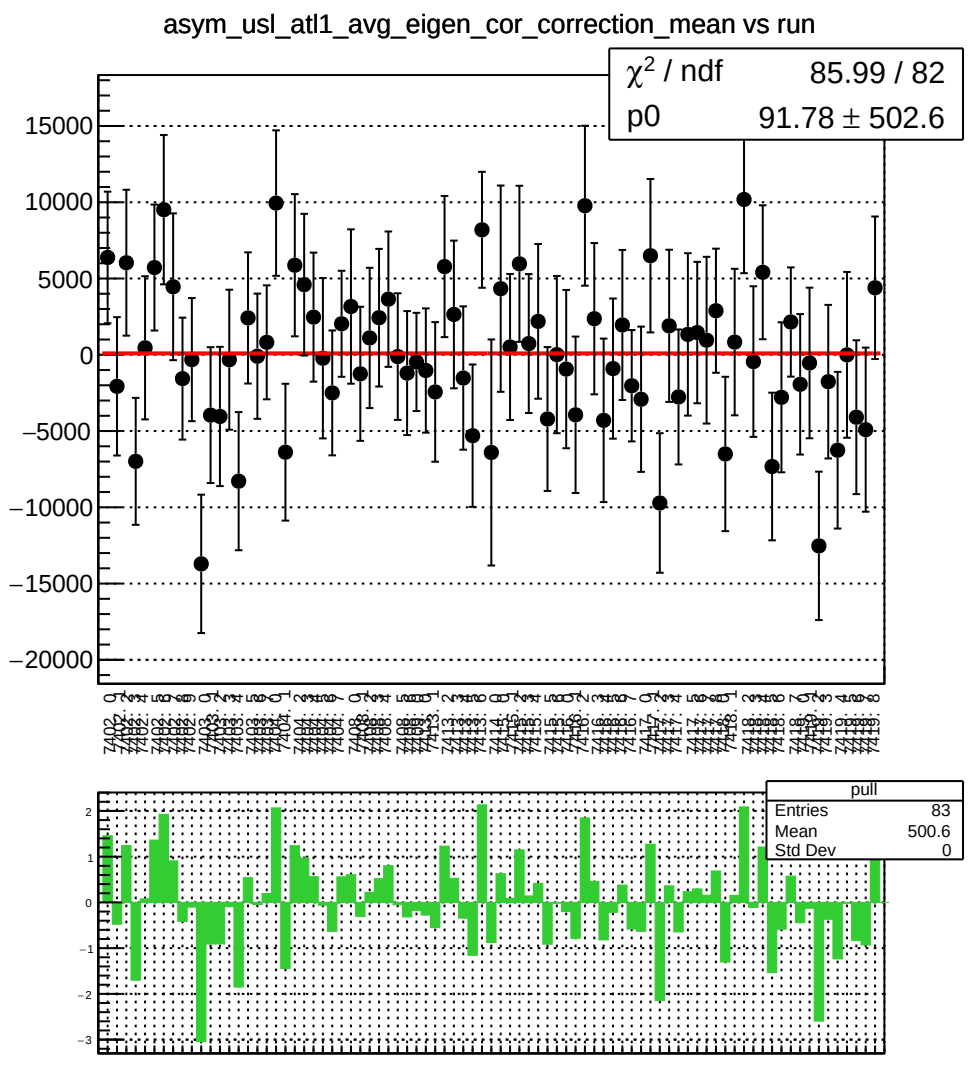

pull1D
Entries 83
Mean −0.00662
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

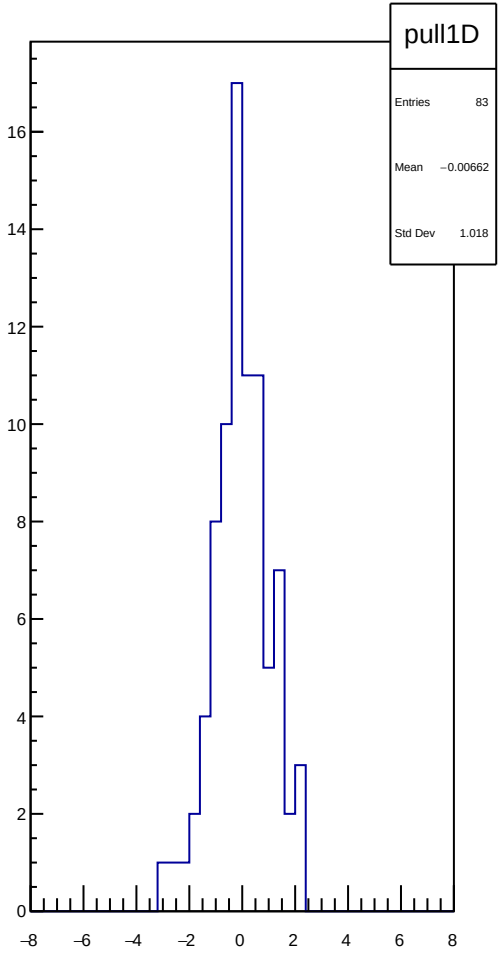

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 1.051e+04 / 82
p0 445 ± 0.3554
650
600
550
500
450
400
350

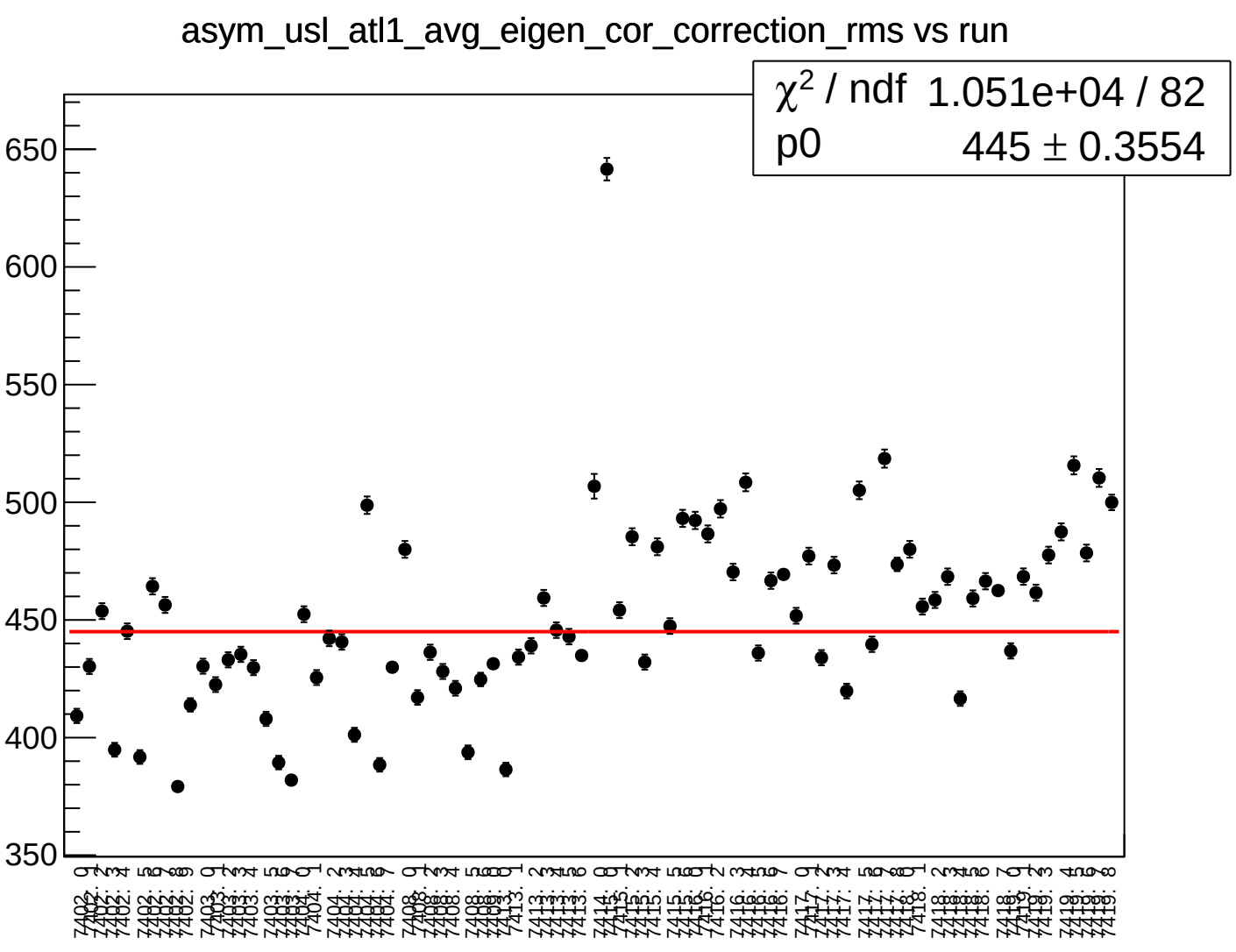

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 60.92 / 82
p0 1981 ± 1623
pull
Entries 83
Mean −152.2
Std Dev 0

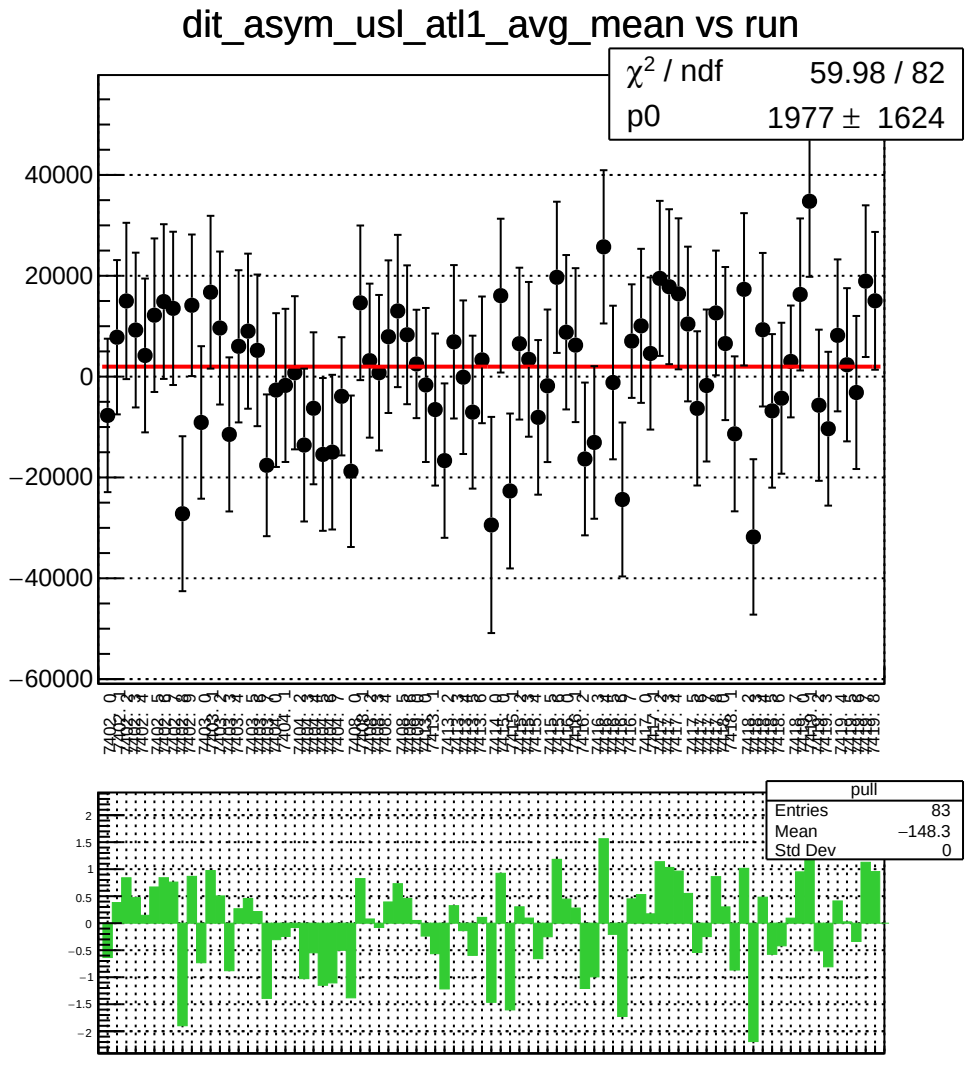

pull1D
Entries 83
Mean −0.01087
Std Dev 0.8567

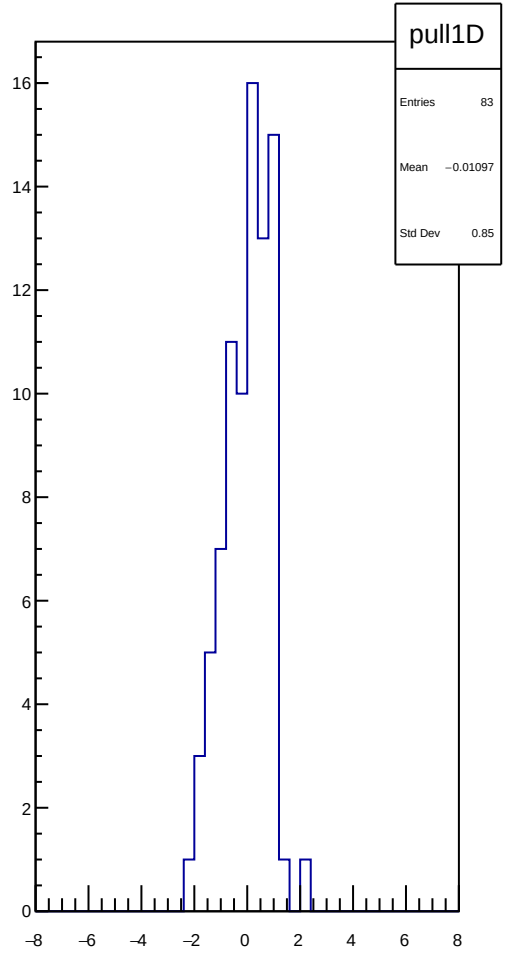

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 91.54 / 82
p0 1442 ± 1.148
1480
1470
1460
1450
1440
1430
1420
1410

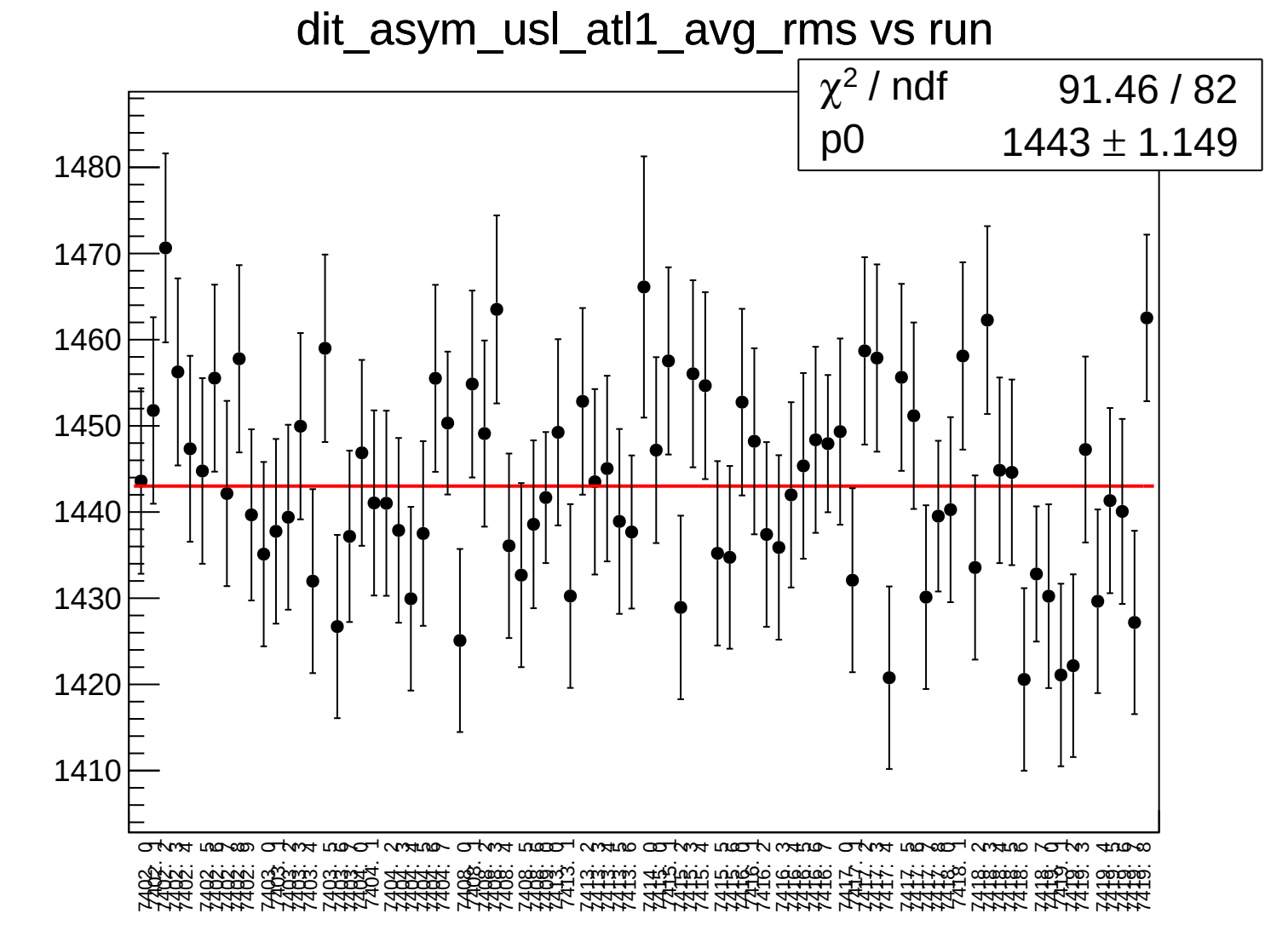

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.99 / 82
p0 91.78 ± 502.6
pull
Entries 83
Mean 500.6
Std Dev 0

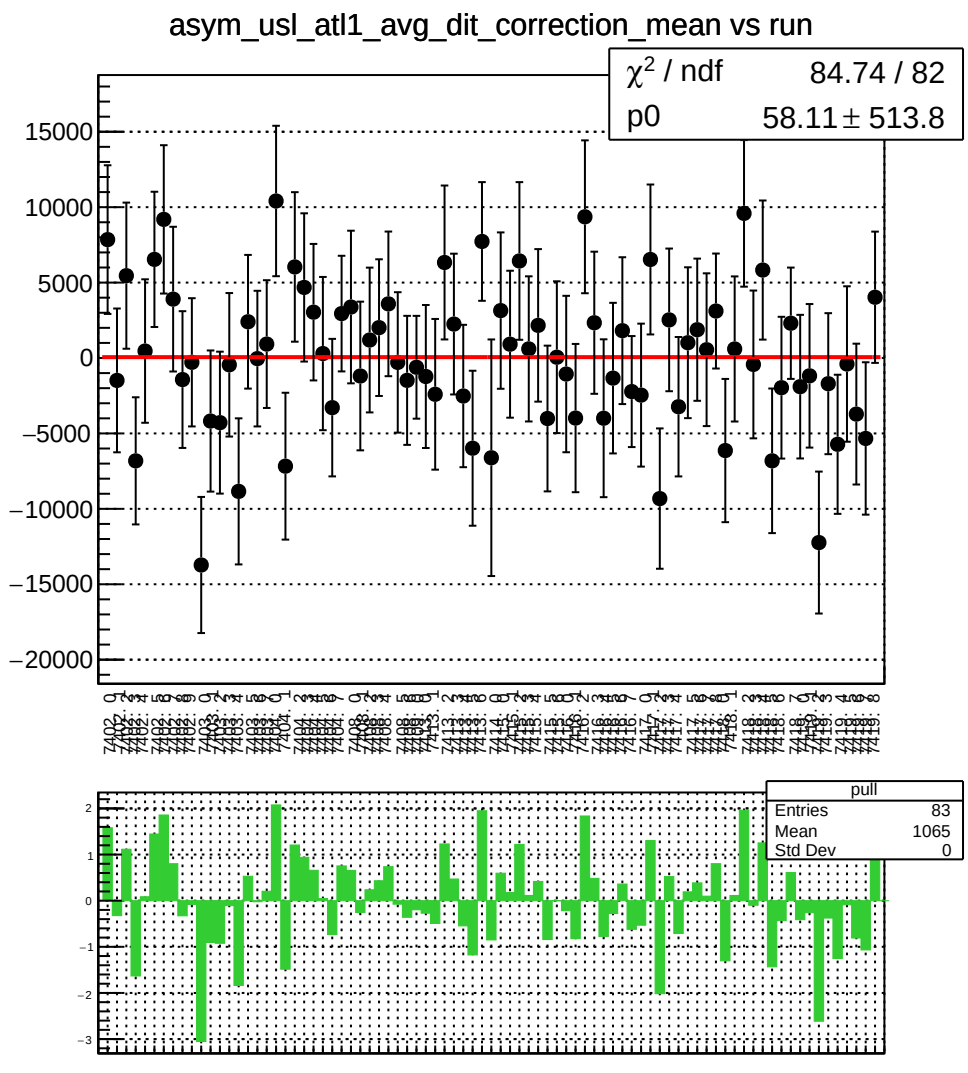

pull1D
Entries 83
Mean −0.00662
Std Dev 1.018

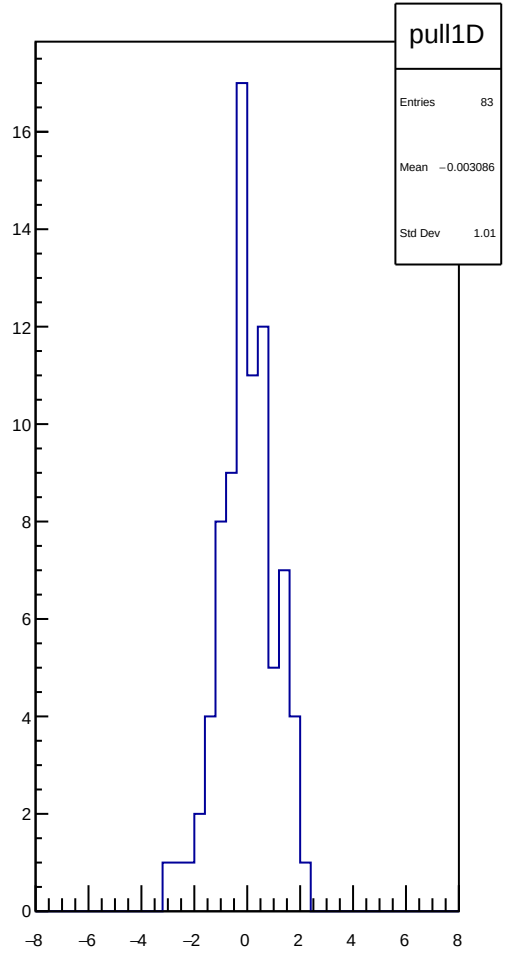

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.051e+04 / 82
p0 445 ± 0.3554
650
600
550
500
450
400
350

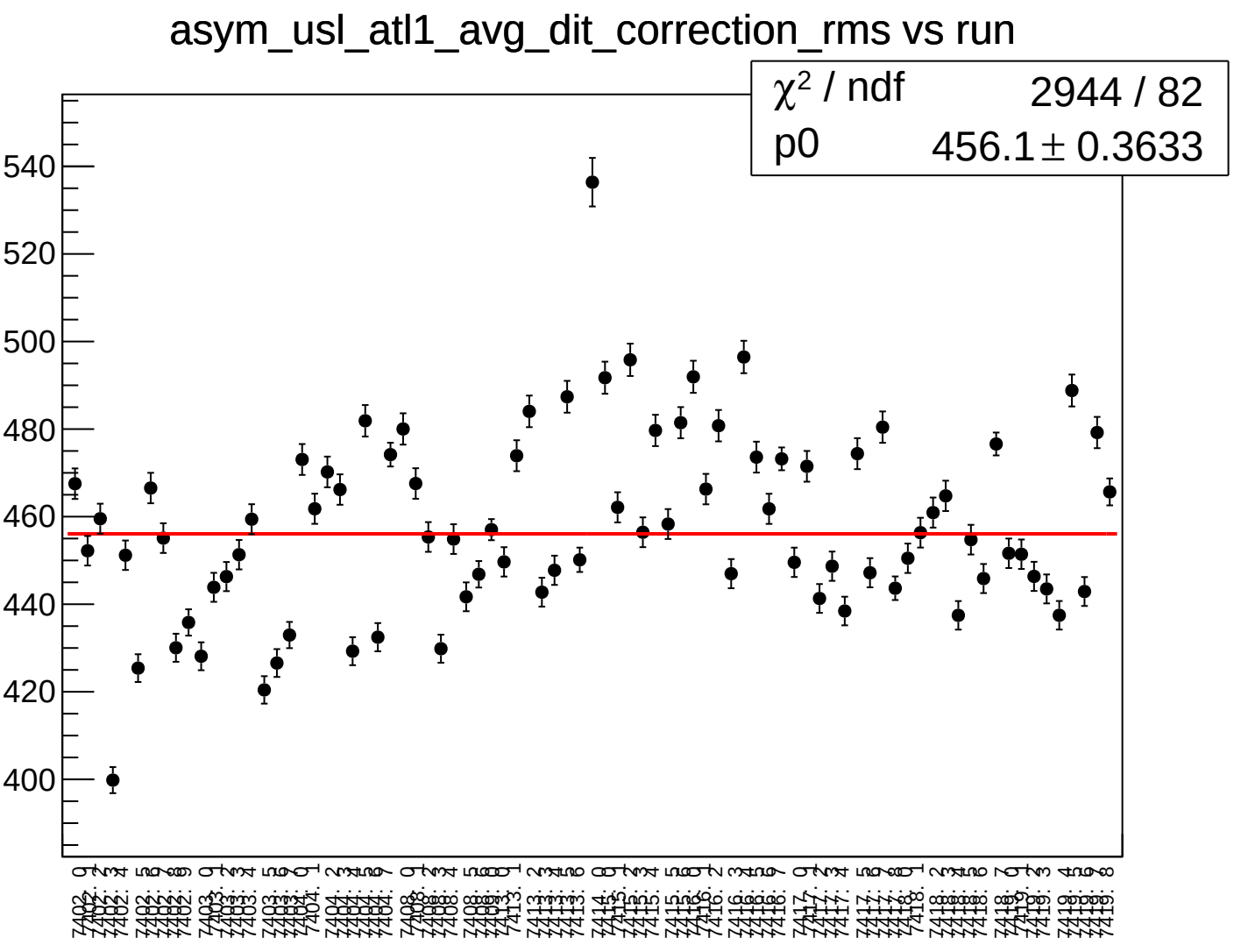

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.98 / 82
p0 1977 ± 1624
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −148.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

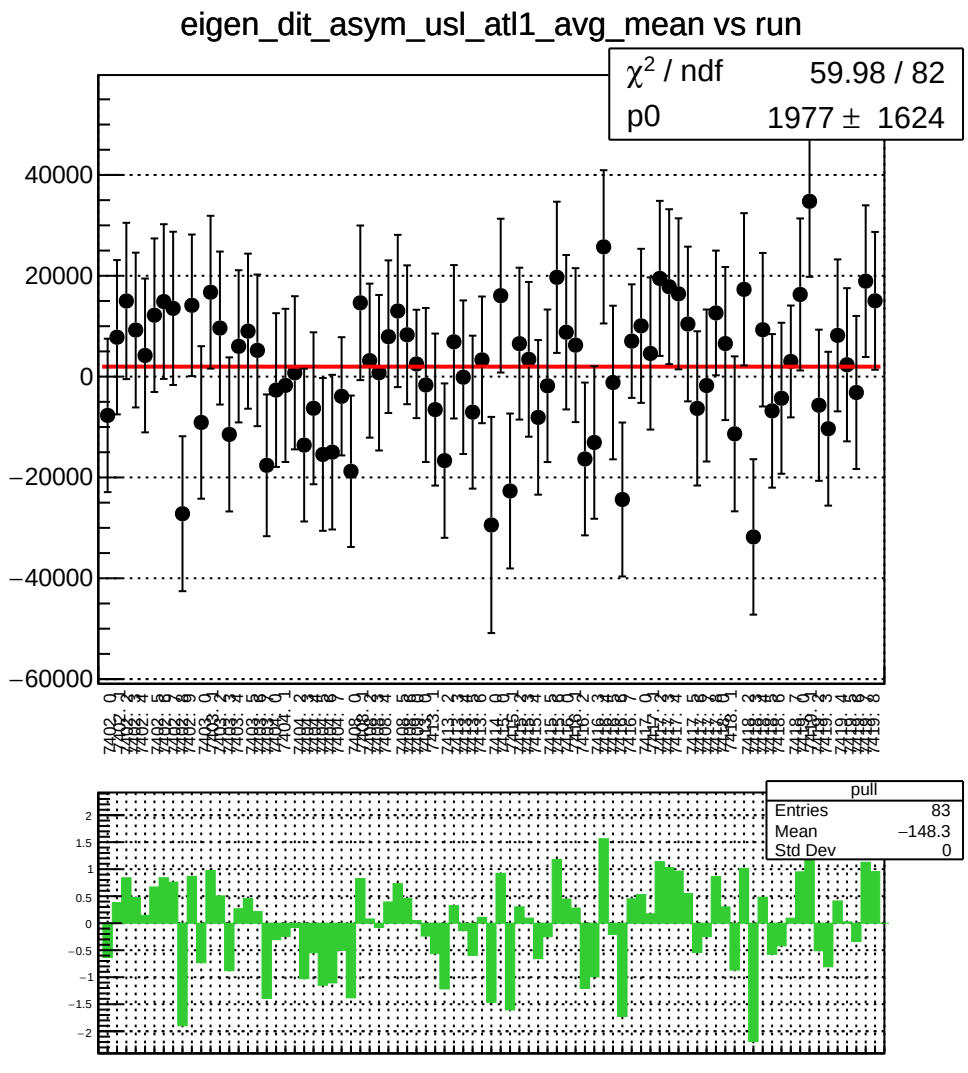

pull1D
Entries 83
Mean −0.01097
Std Dev 0.85
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

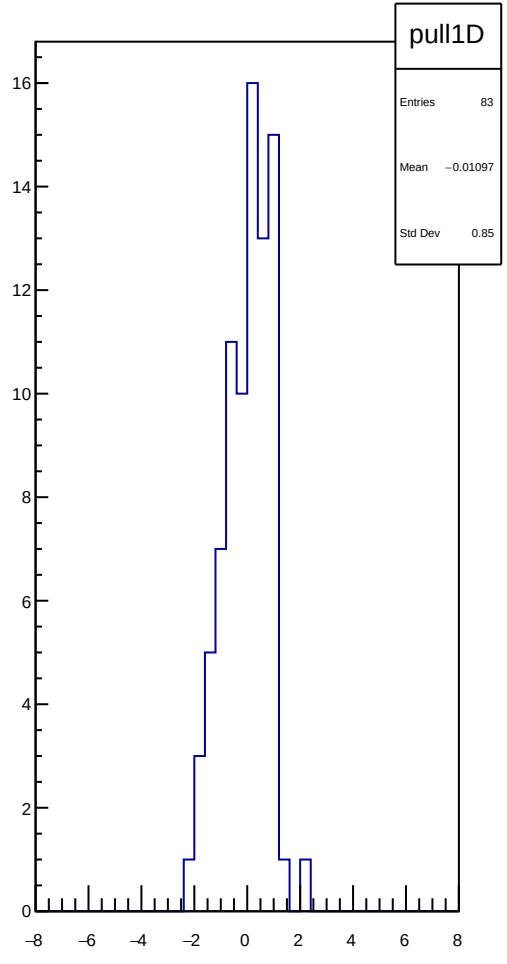

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 91.46 / 82
p0 1443 ± 1.149
1480
1470
1460
1450
1440
1430
1420
1410

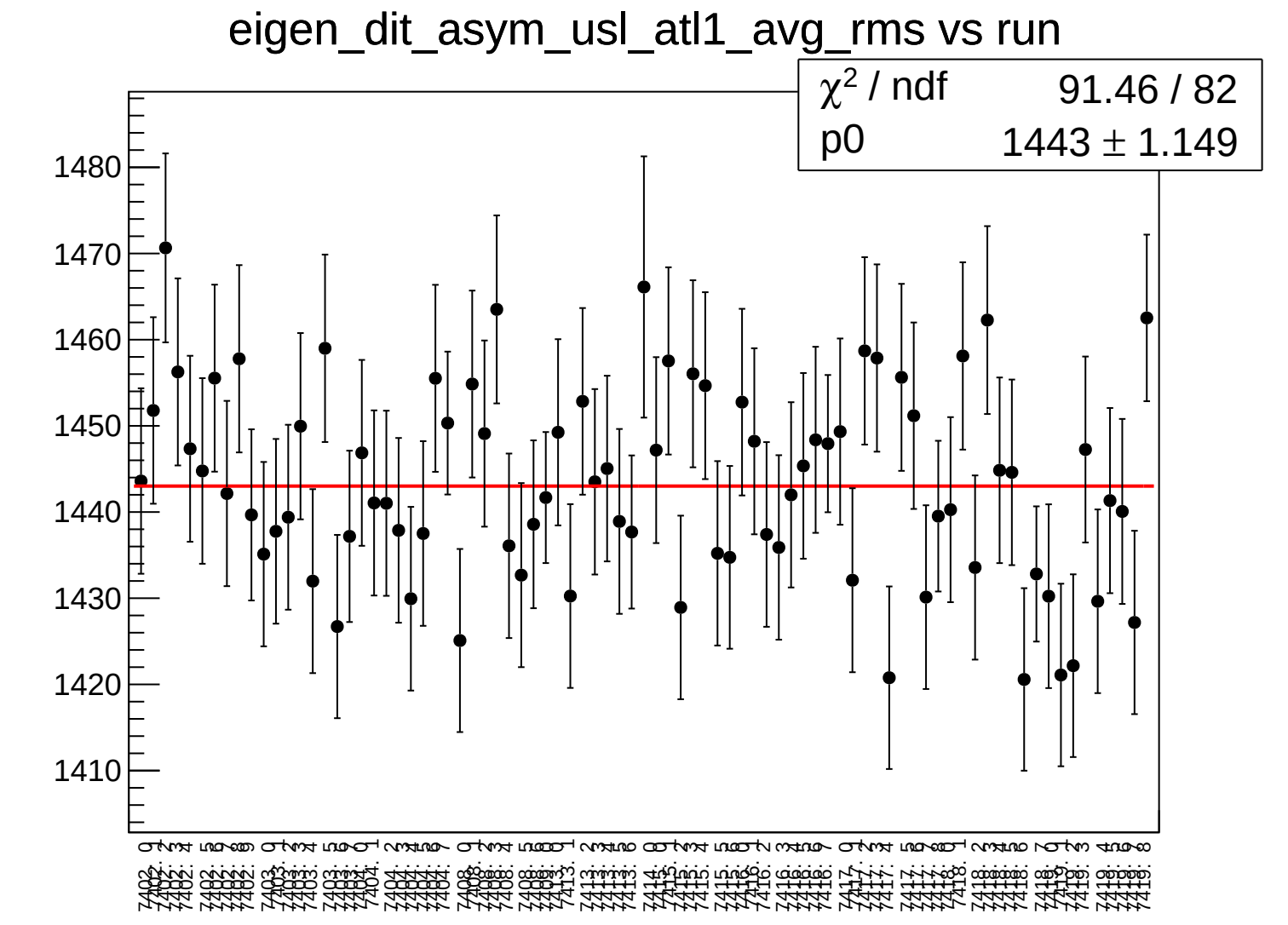

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 84.74 / 82
p0 58.11 ± 513.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 1065
Std Dev 0
2
1
0
−1
−2
−3

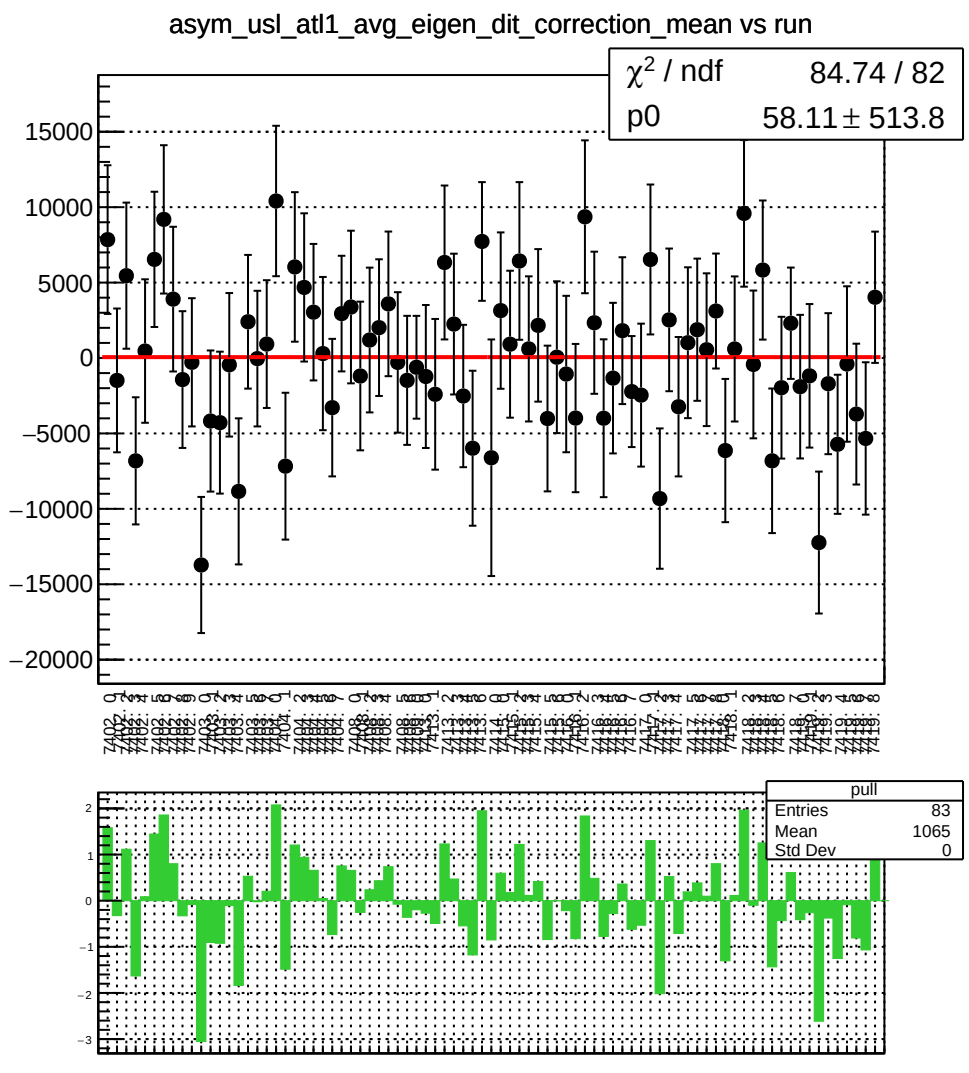

pull1D
Entries 83
Mean −0.003086
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

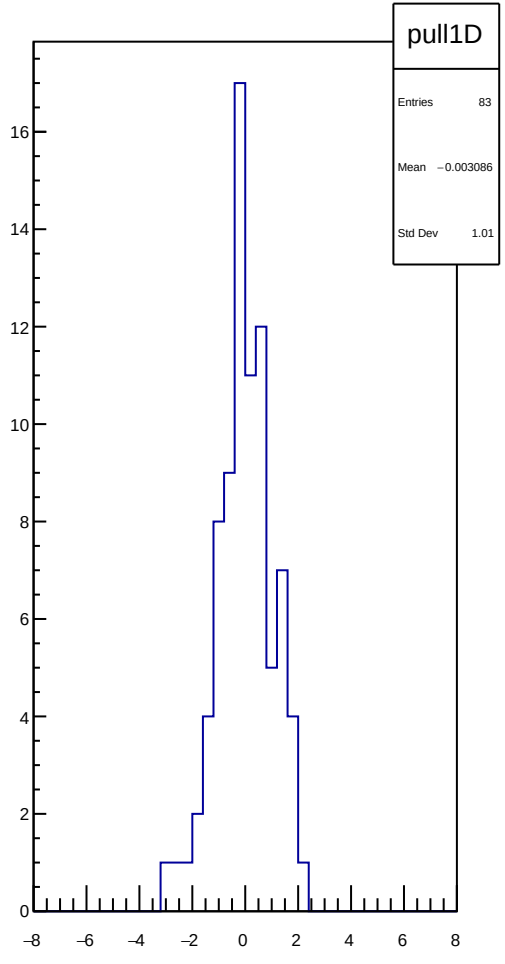

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 2944 / 82
p0 456.1 ± 0.3633
540
520
500
480
460
440
420
400

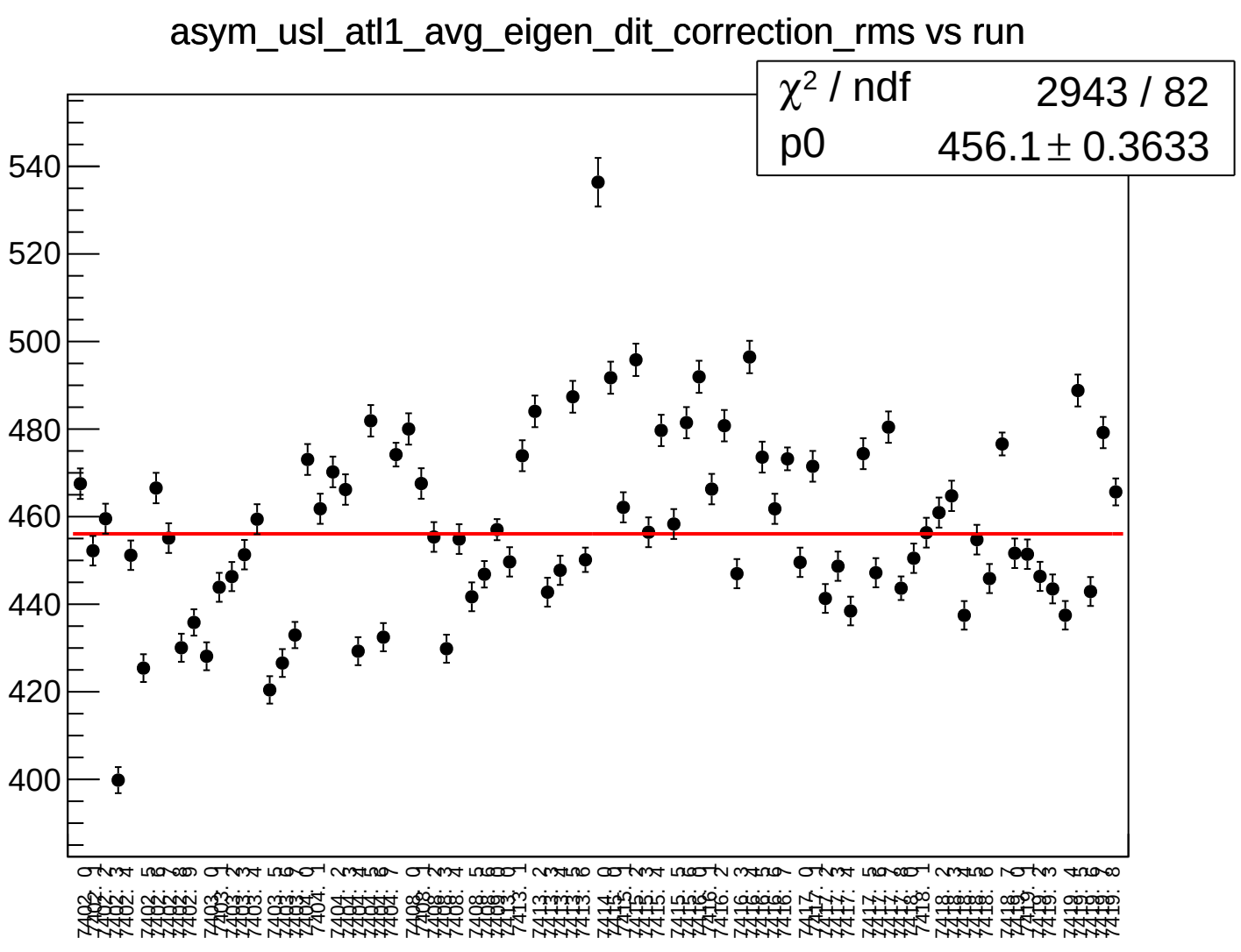

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 59.98 / 82
p0 1977 ± 1624
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −148.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

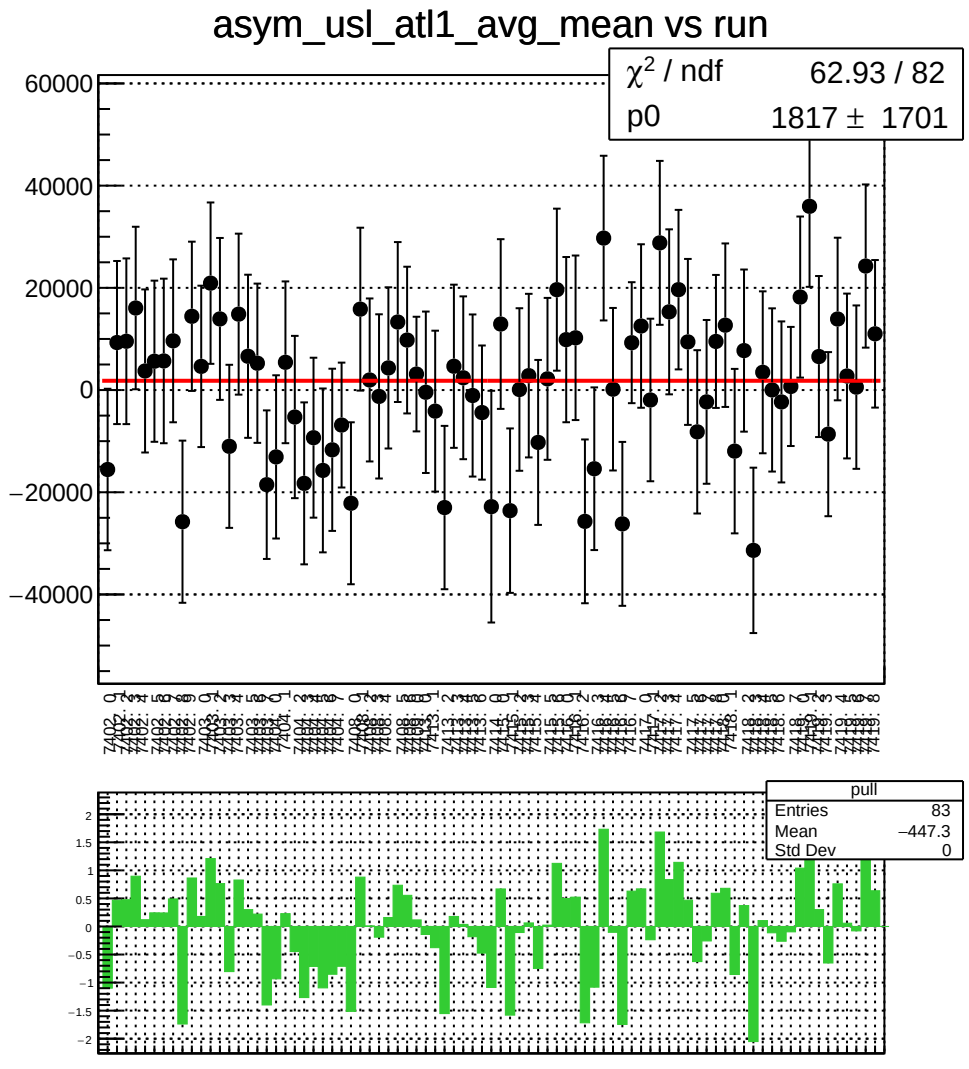

pull1D
Entries 83
Mean −0.01097
Std Dev 0.85
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

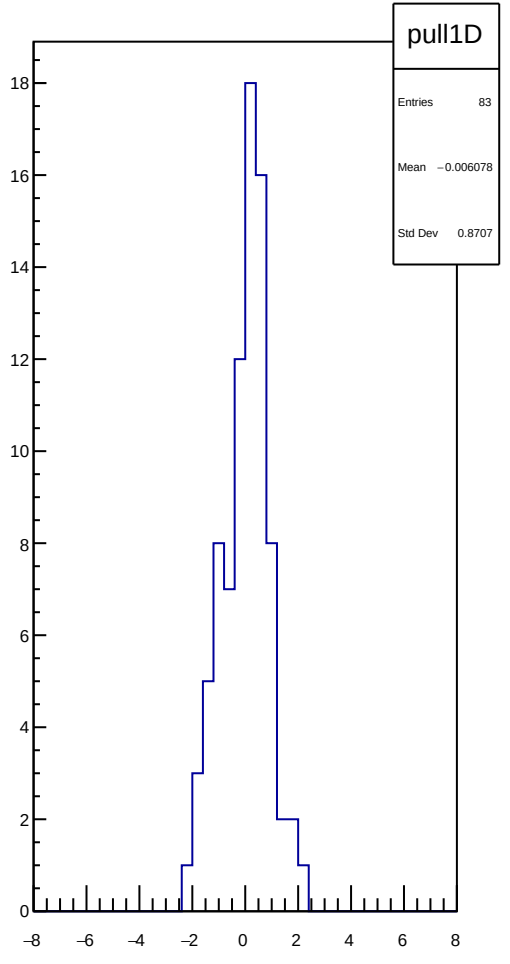

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 91.46 / 82
p0 1443 ± 1.149
1480
1470
1460
1450
1440
1430
1420
1410

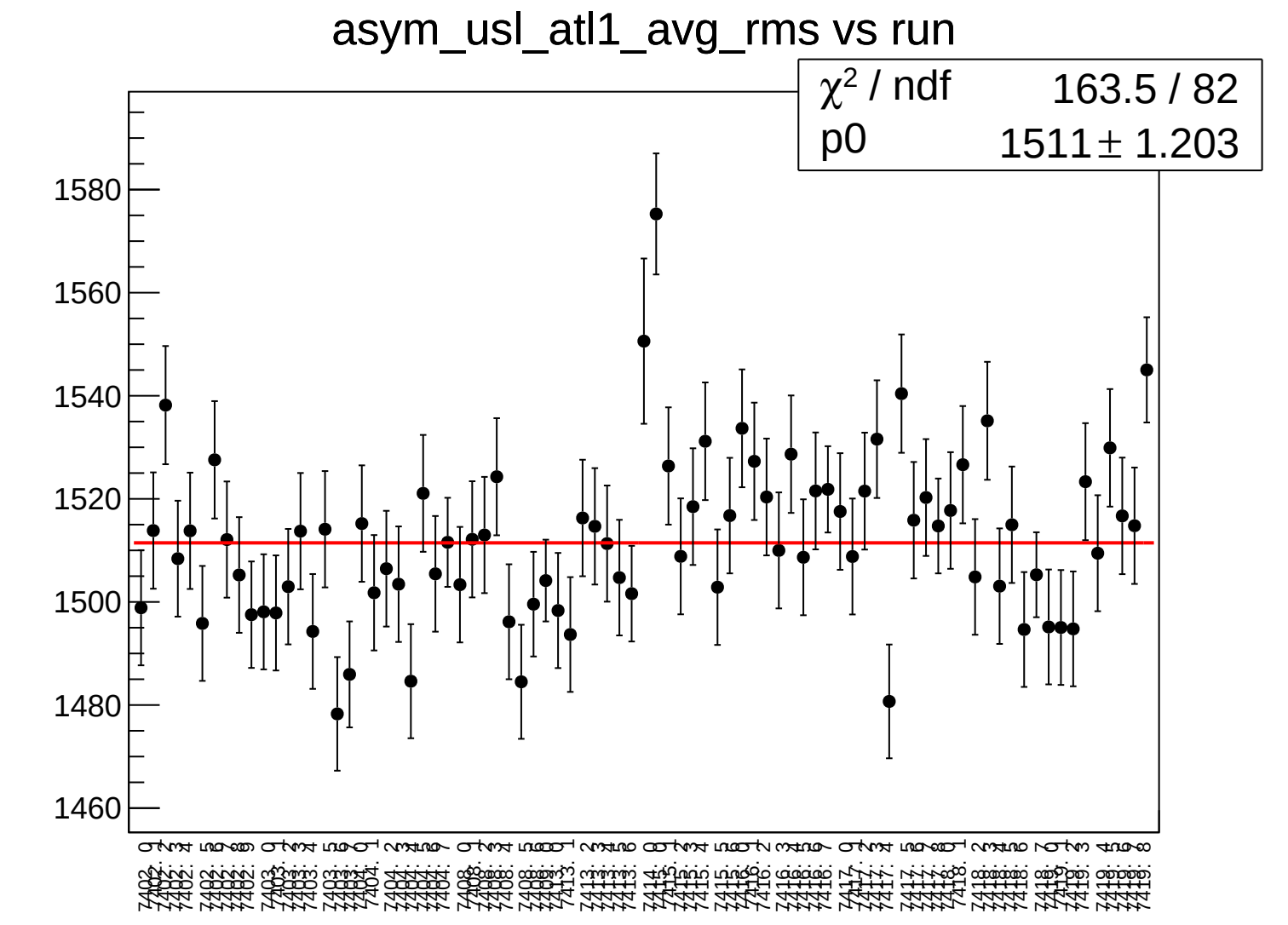

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.74 / 82
p0 58.11 ± 513.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 1065
Std Dev 0
2
1
0
−1
−2
−3

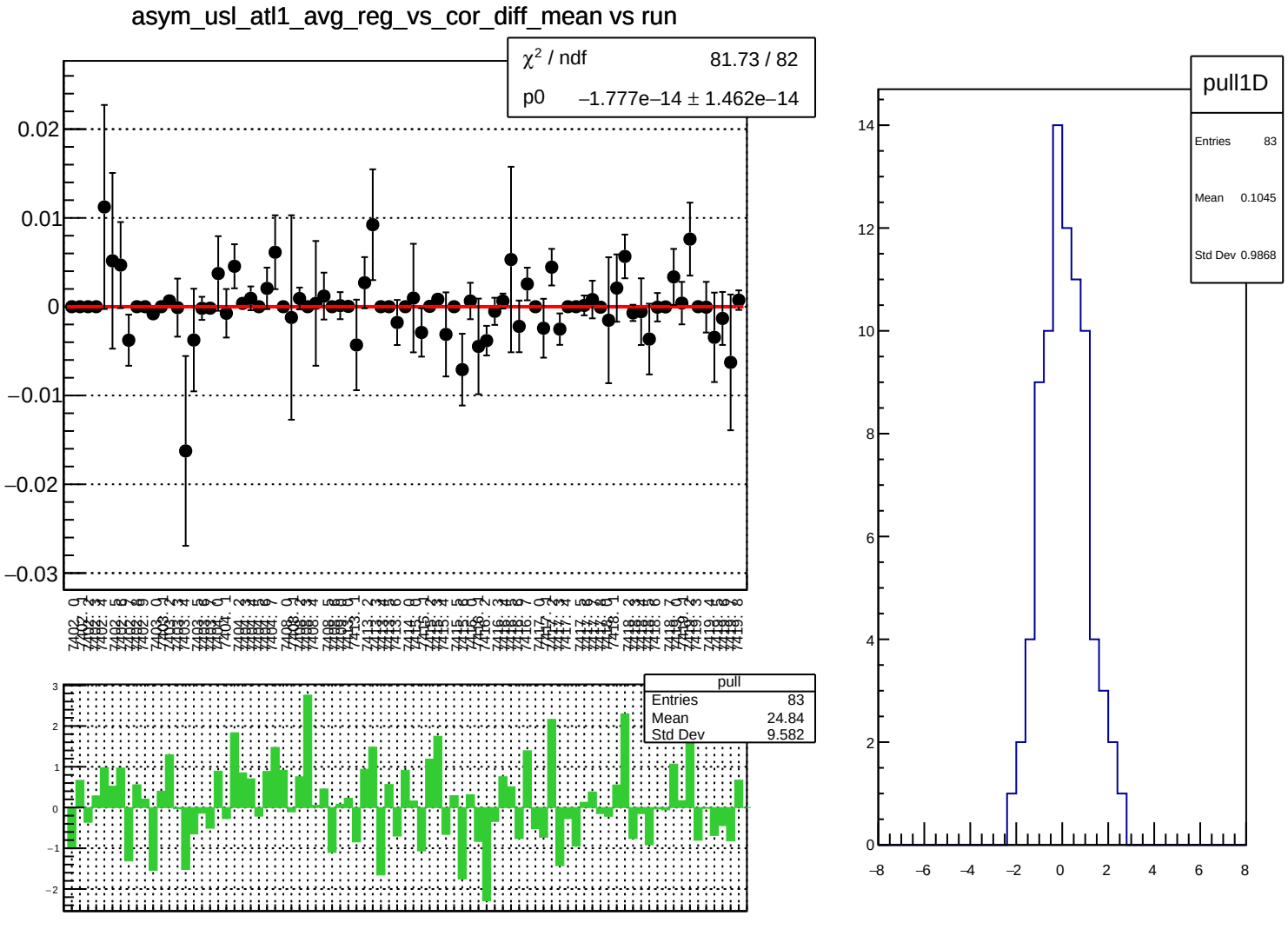

pull1D
Entries 83
Mean −0.003086
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

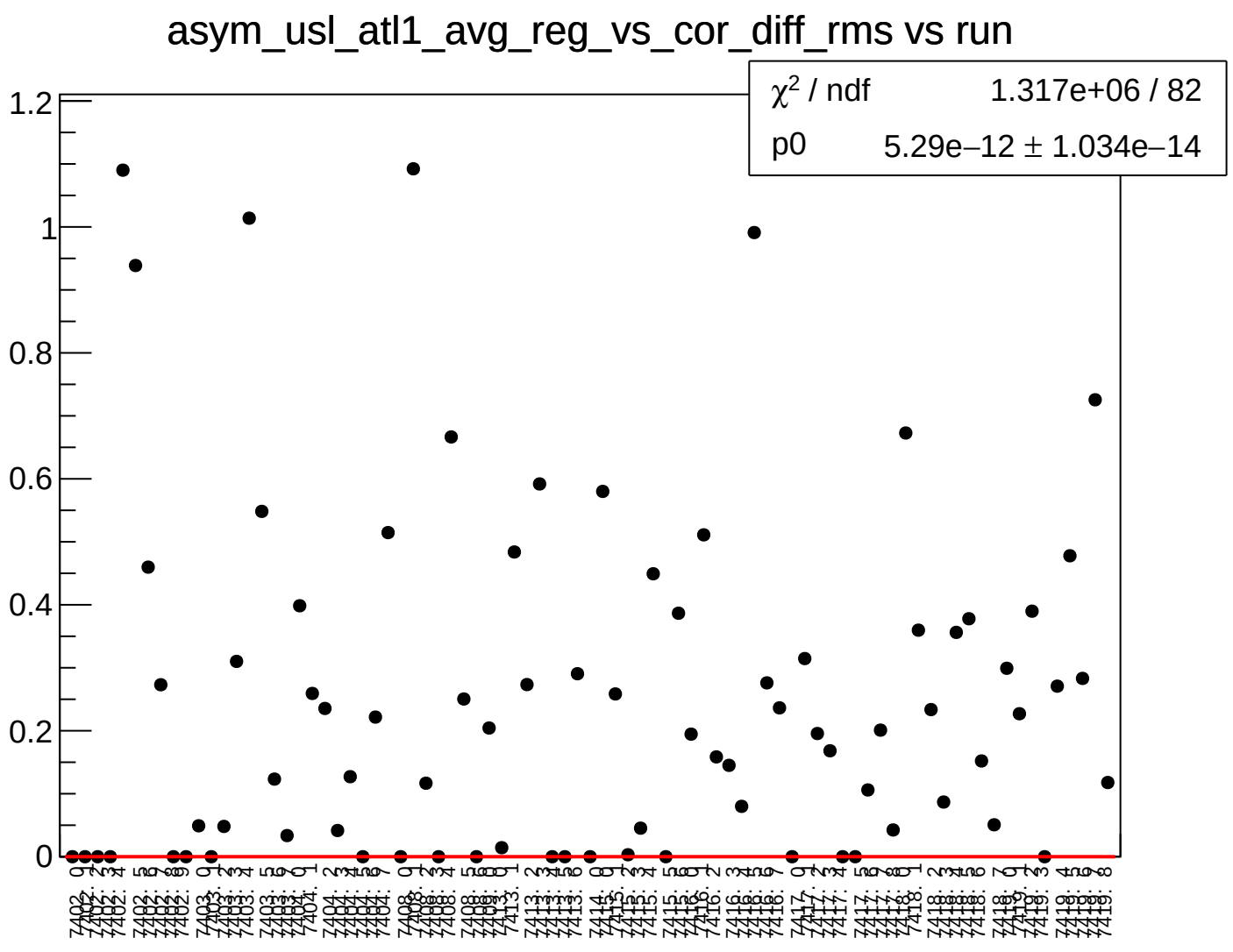

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 2943 / 82
p0 456.1 ± 0.3633
540
520
500
480
460
440
420
400

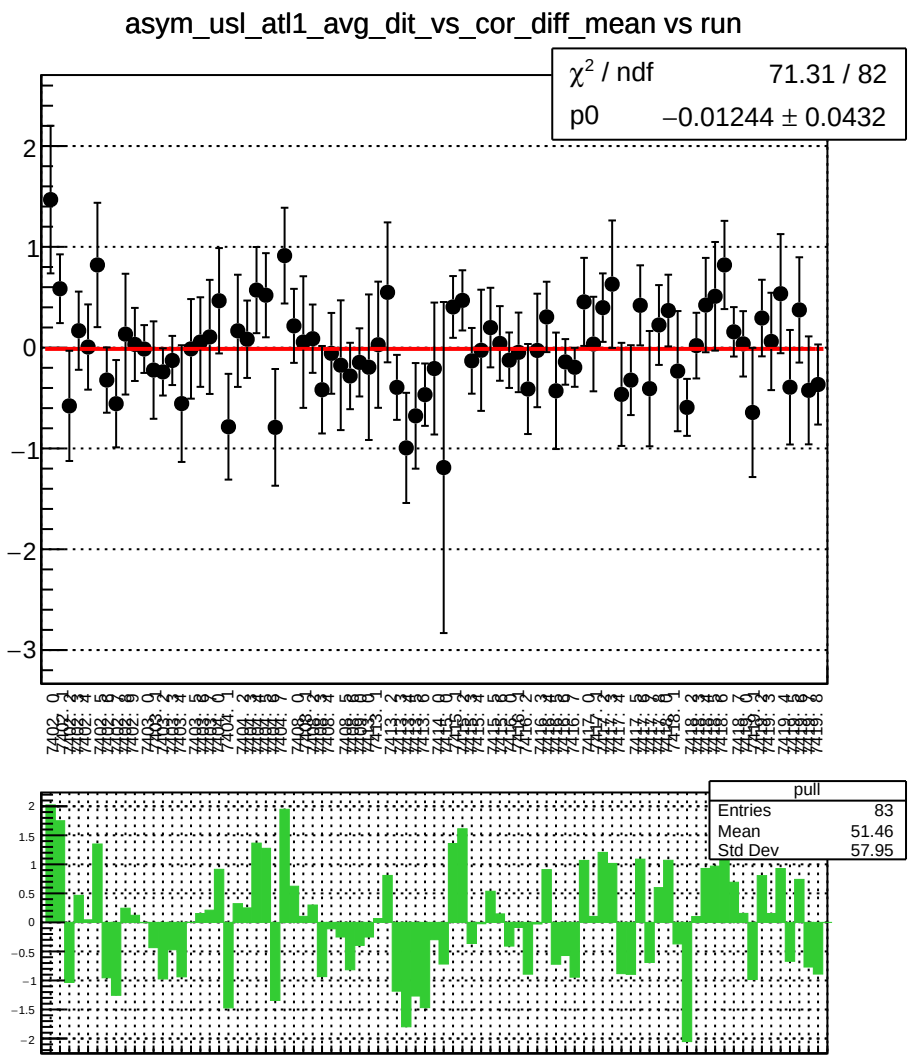

asym_usl_atl1_avg_mean vs run
χ² / ndf 62.93 / 82
p0 1817 ± 1701
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −447.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

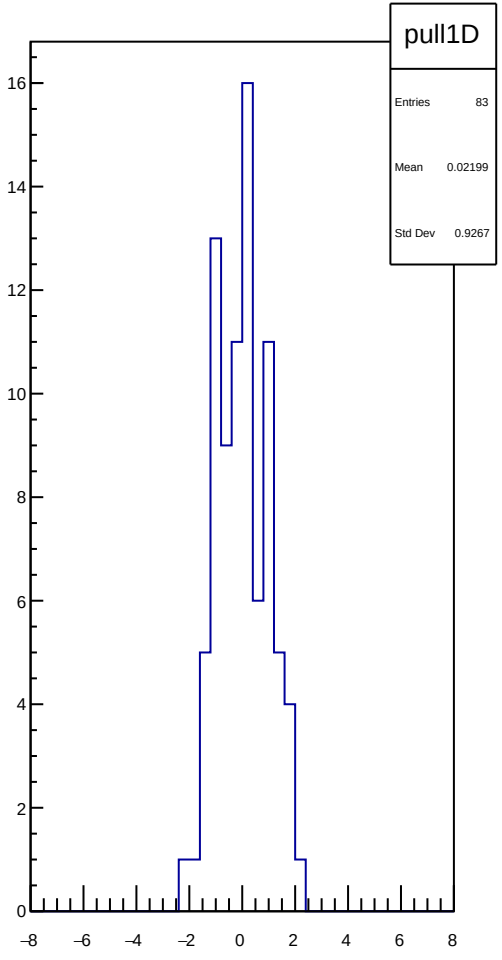

pull1D
Entries 83
Mean −0.006078
Std Dev 0.8707
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

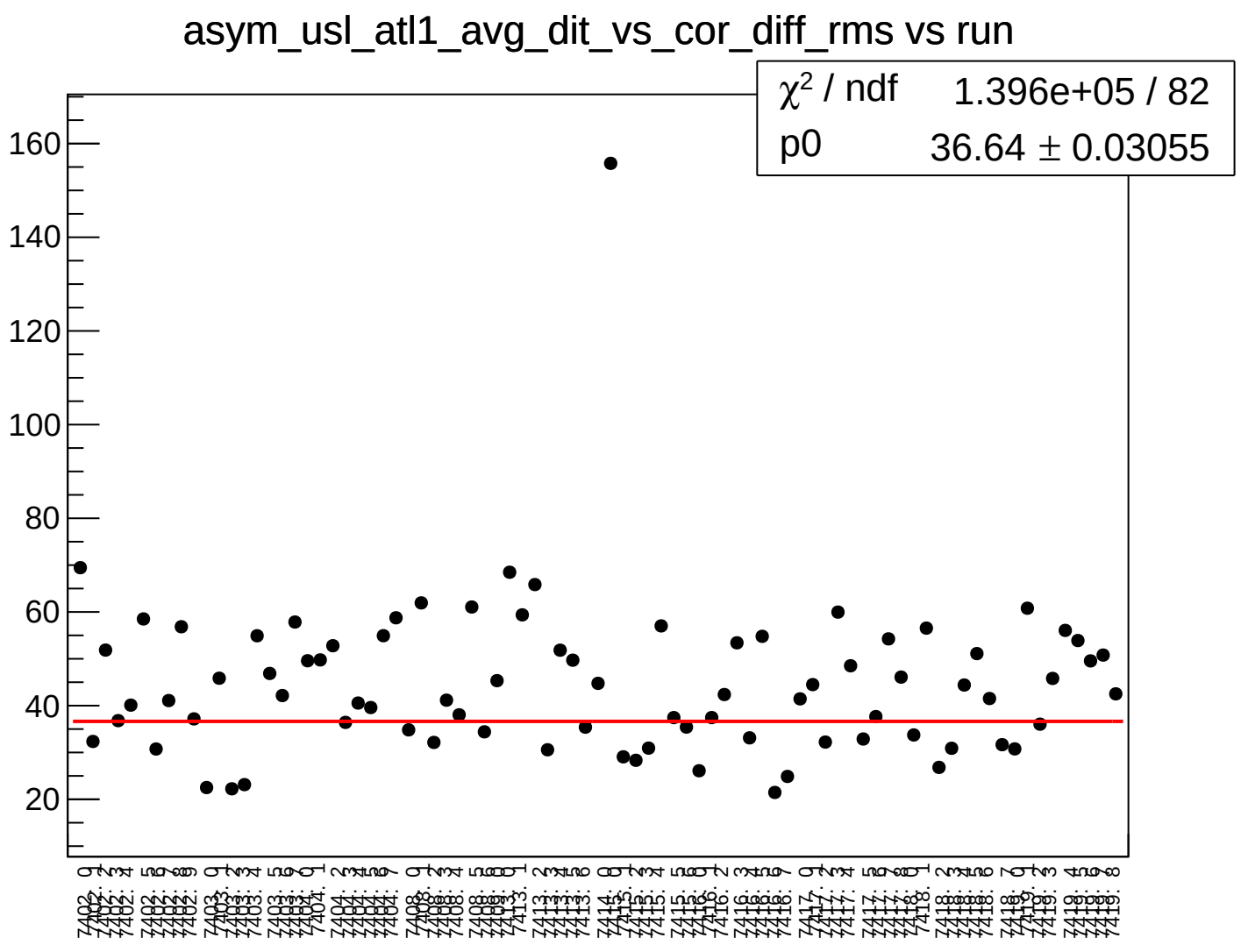

asym_usl_atl1_avg_rms vs run
χ² / ndf 163.5 / 82
p0 1511 ± 1.203
1580
1560
1540
1520
1500
1480
1460

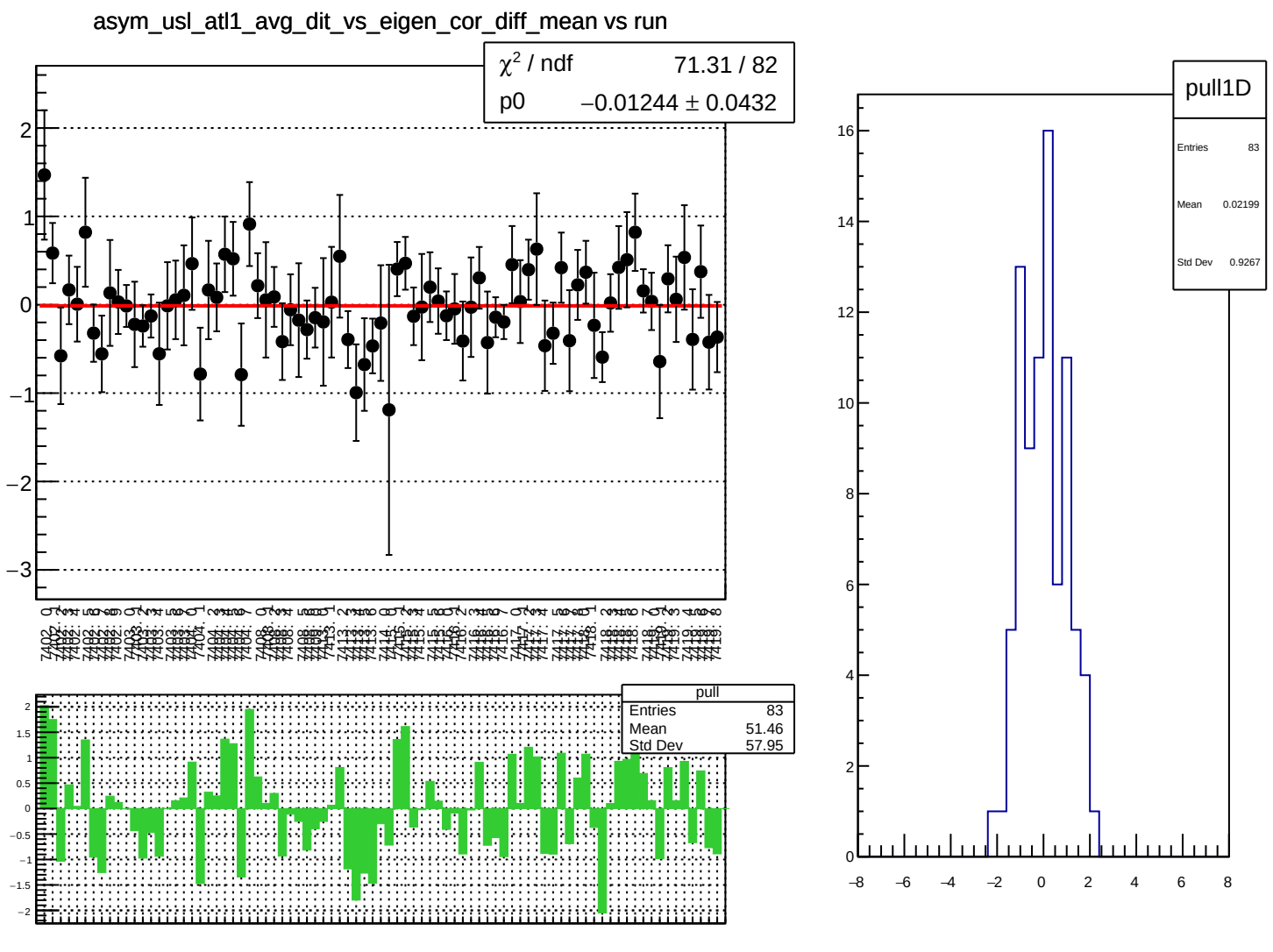

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.73 / 82
p0 −1.777e−14 ± 1.462e−14
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean 24.84
Std Dev 9.582
pull1D
Entries 83
Mean 0.1045
Std Dev 0.9868
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

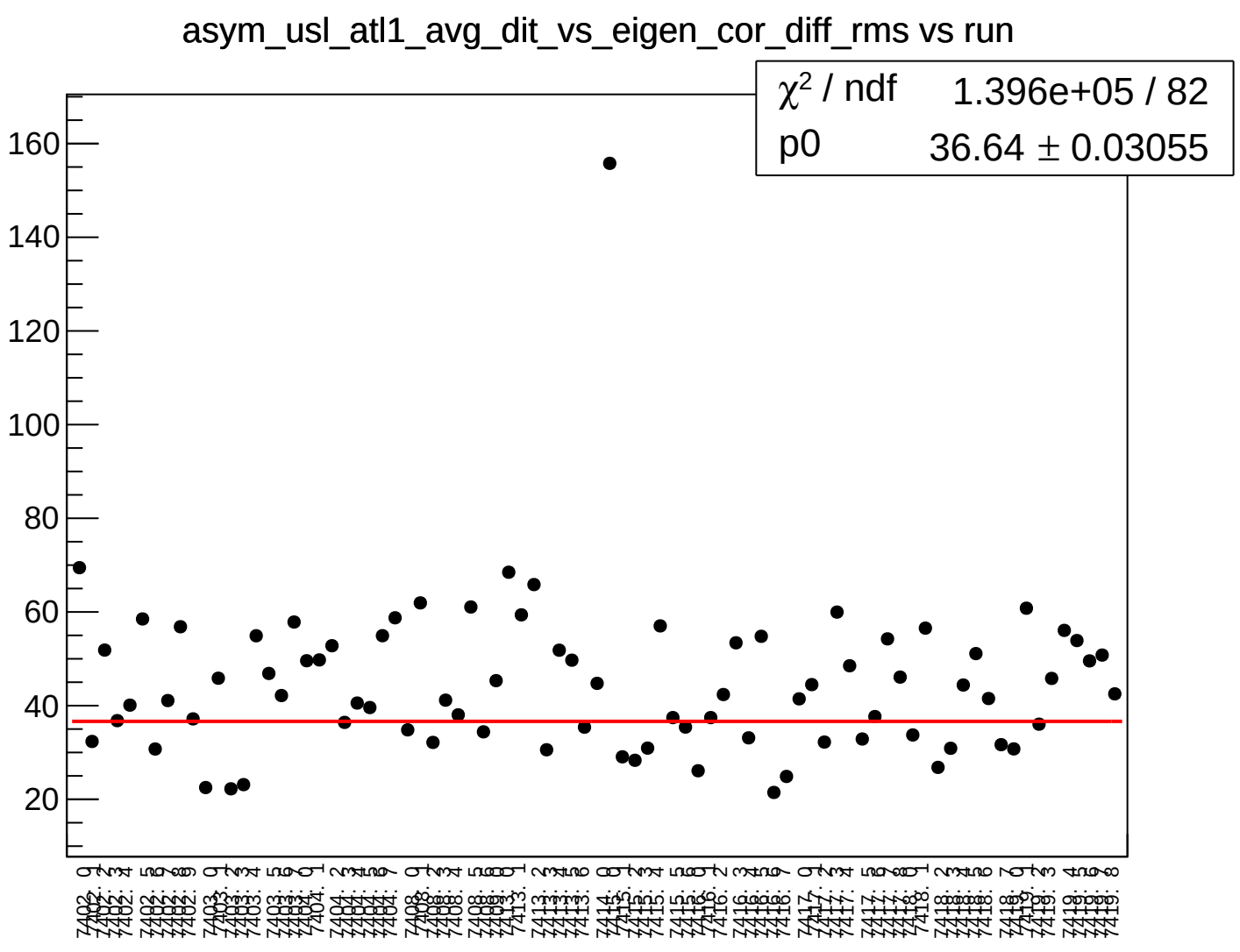

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.317e+06 / 82
p0 5.29e−12 ± 1.034e−14
1.2
1
0.8
0.6
0.4
0.2
0

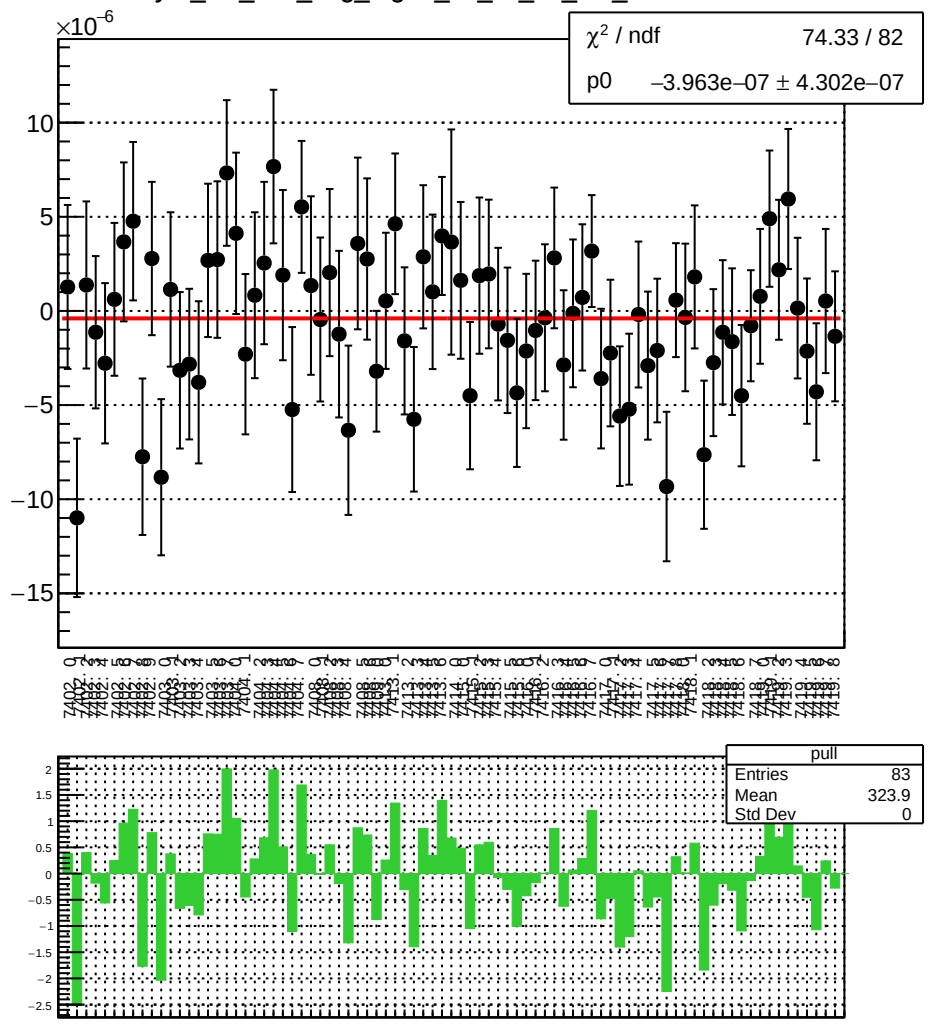

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.31 / 82
p0 −0.01244 ± 0.0432
pull
Entries 83
Mean 51.46
Std Dev 57.95

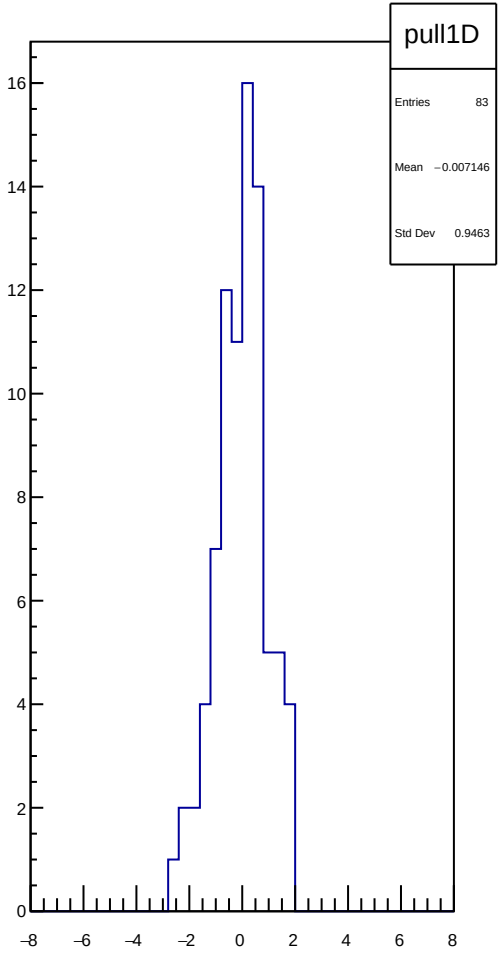

pull1D
Entries 83
Mean 0.02199
Std Dev 0.9267

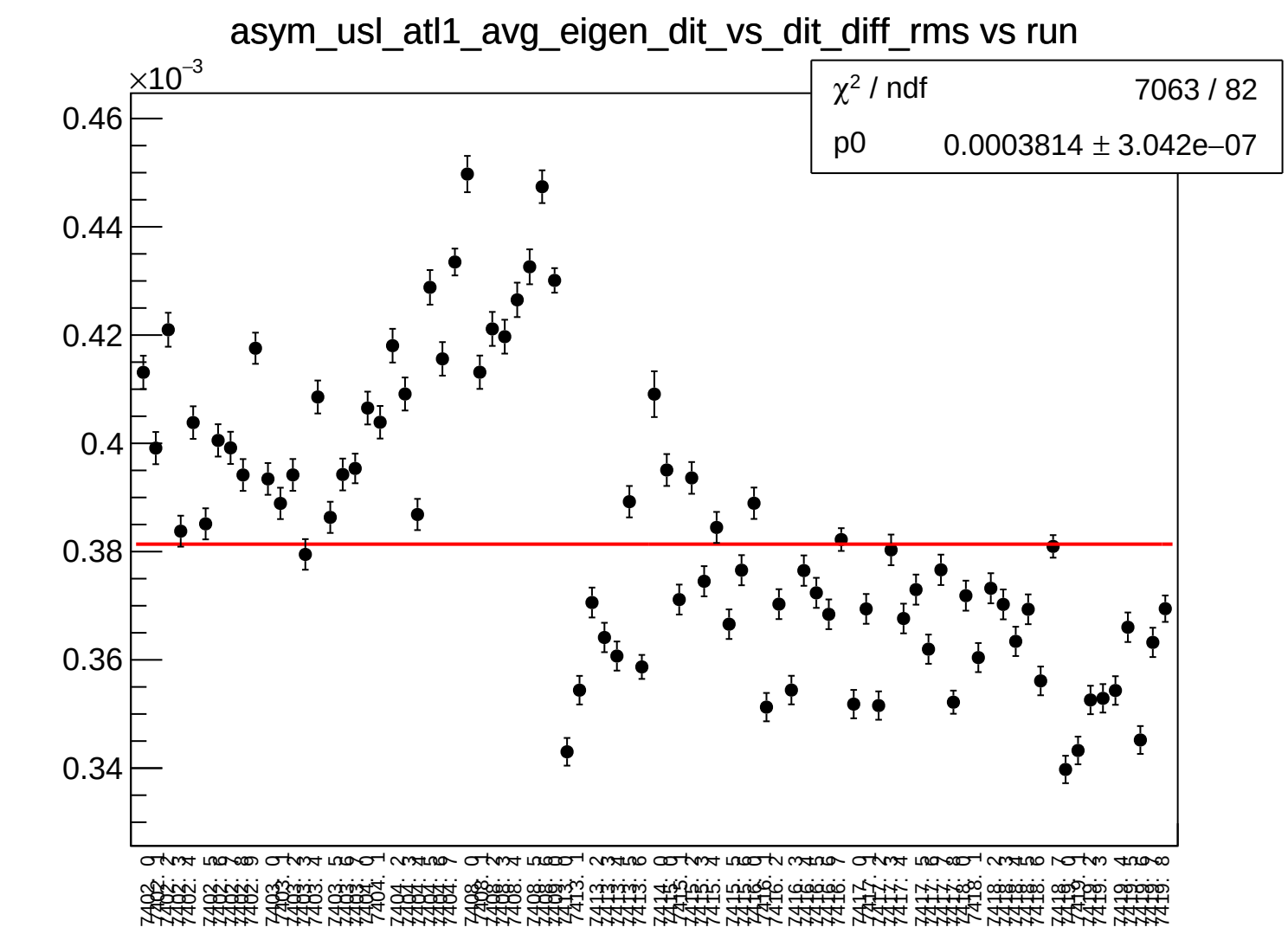

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.396e+05 / 82
p0 36.64 ± 0.03055
160
140
120
100
80
60
40
20

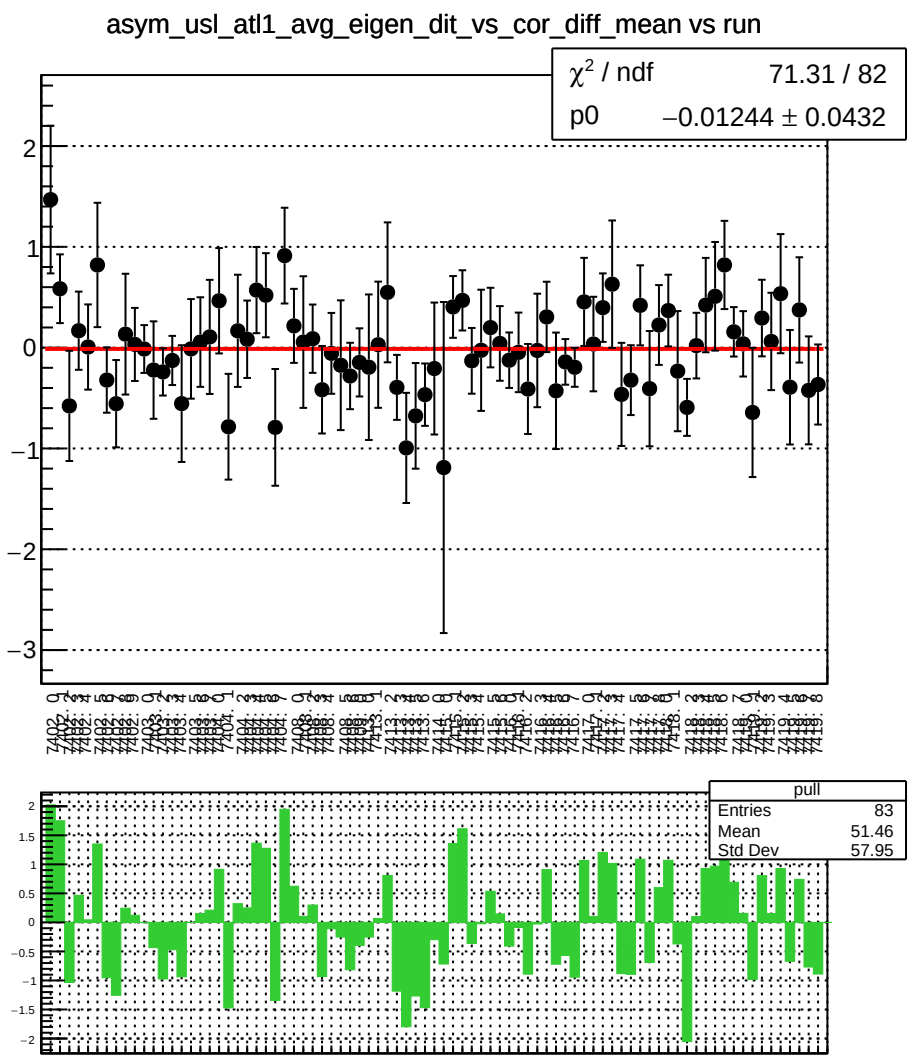

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.31 / 82
p0 −0.01244 ± 0.0432
pull
Entries 83
Mean 51.46
Std Dev 57.95
pull1D
Entries 83
Mean 0.02199
Std Dev 0.9267

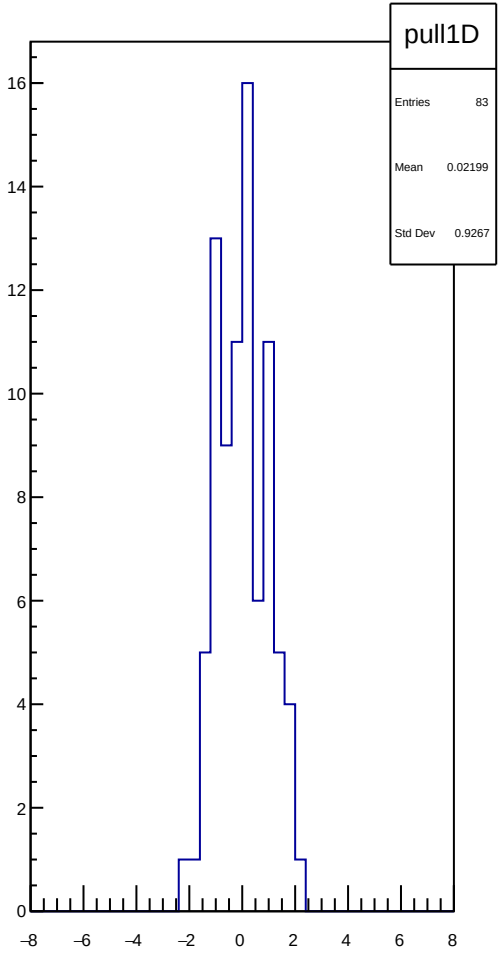

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.396e+05 / 82
p0 36.64 ± 0.03055
160
140
120
100
80
60
40
20

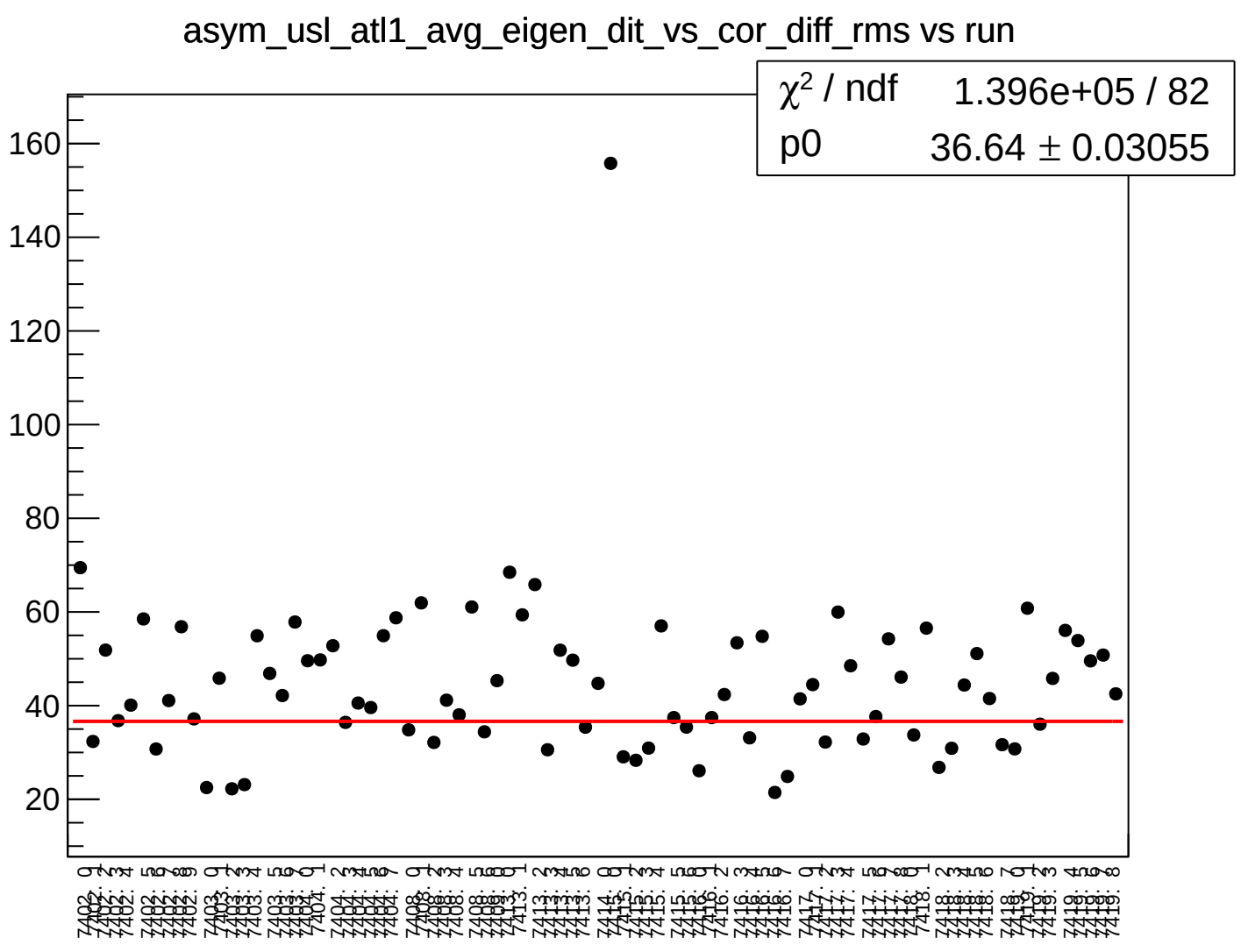

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 74.33 / 82
p0 −3.963e−07 ± 4.302e−07
pull
Entries 83
Mean 323.9
Std Dev 0

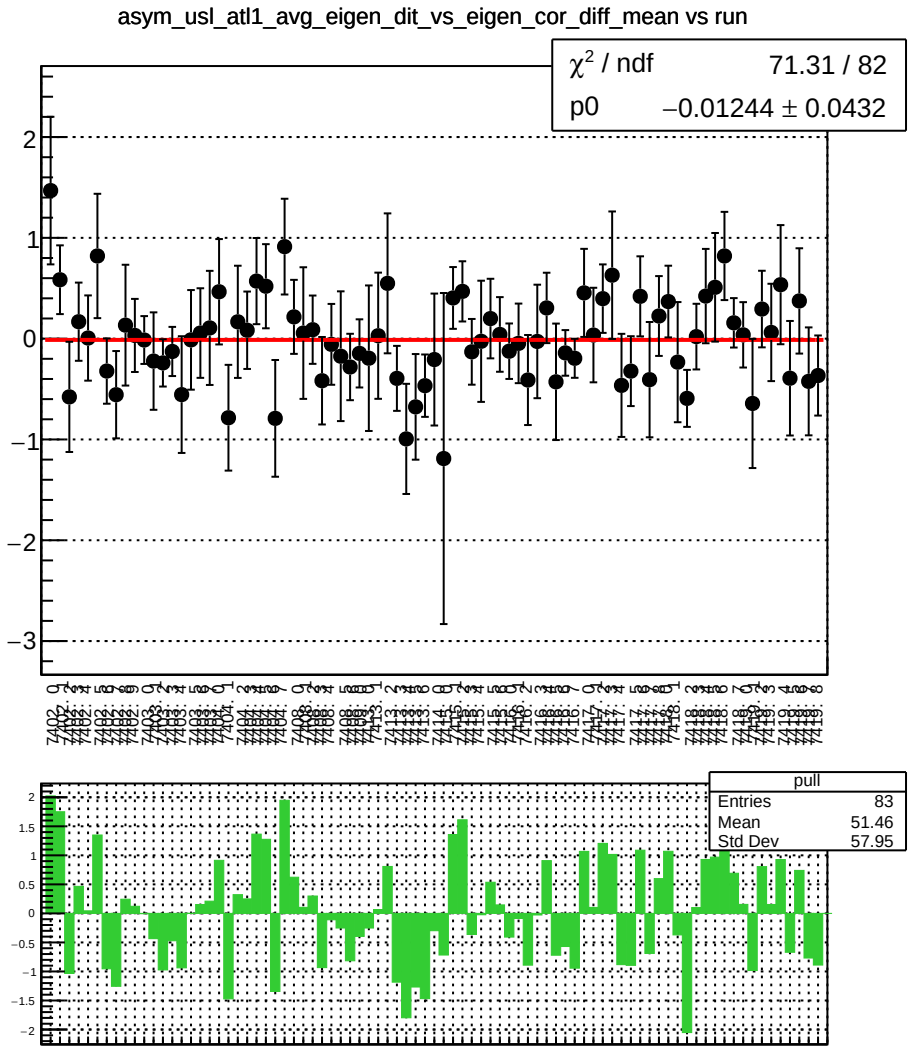

pull1D
Entries 83
Mean −0.007146
Std Dev 0.9463

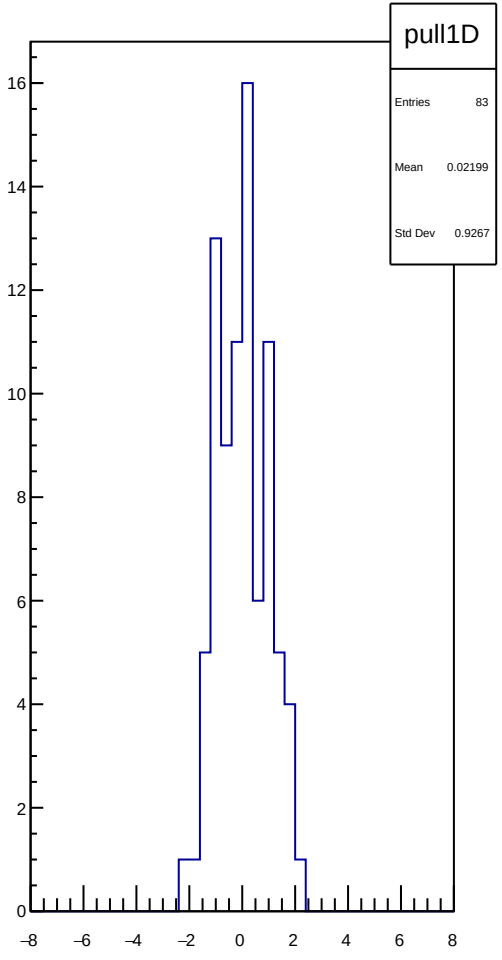

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 7063 / 82
p0 0.0003814 ± 3.042e−07
0.46
0.44
0.42
0.4
0.38
0.36
0.34

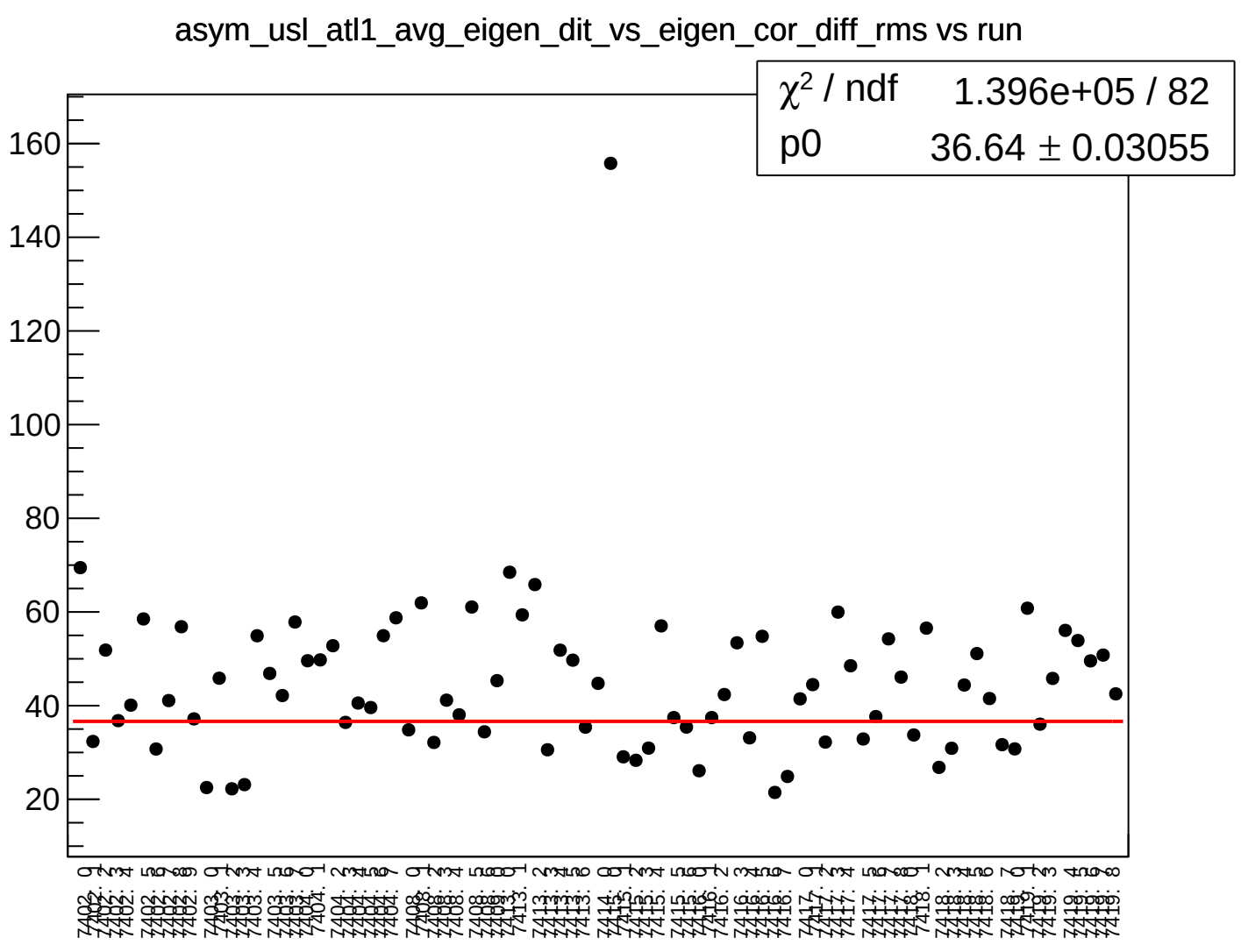

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.31 / 82
p0 −0.01244 ± 0.0432
pull
Entries 83
Mean 51.46
Std Dev 57.95

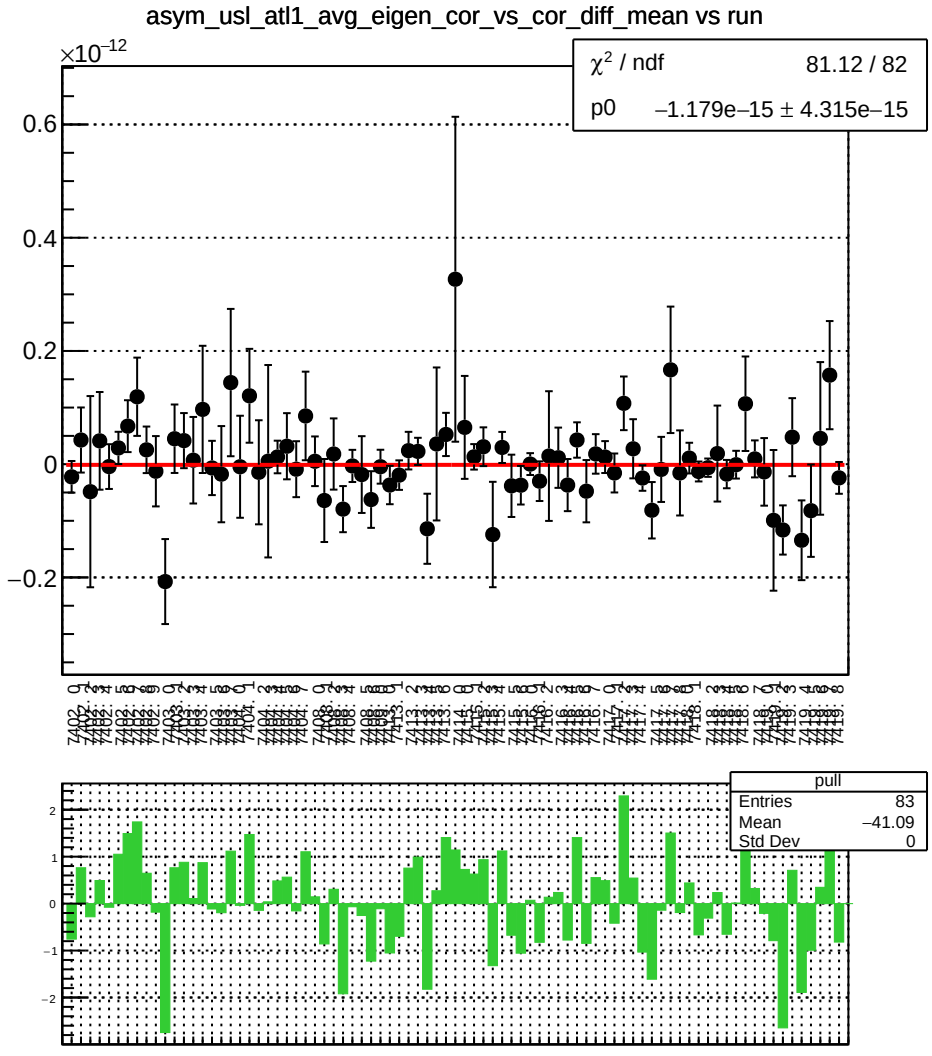

pull1D
Entries 83
Mean 0.02199
Std Dev 0.9267

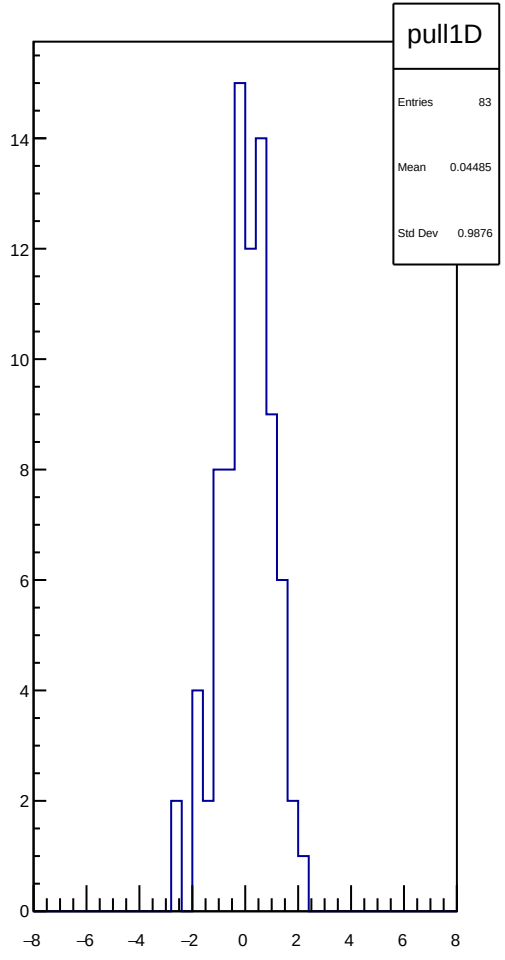

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.396e+05 / 82
p0 36.64 ± 0.03055
160
140
120
100
80
60
40
20

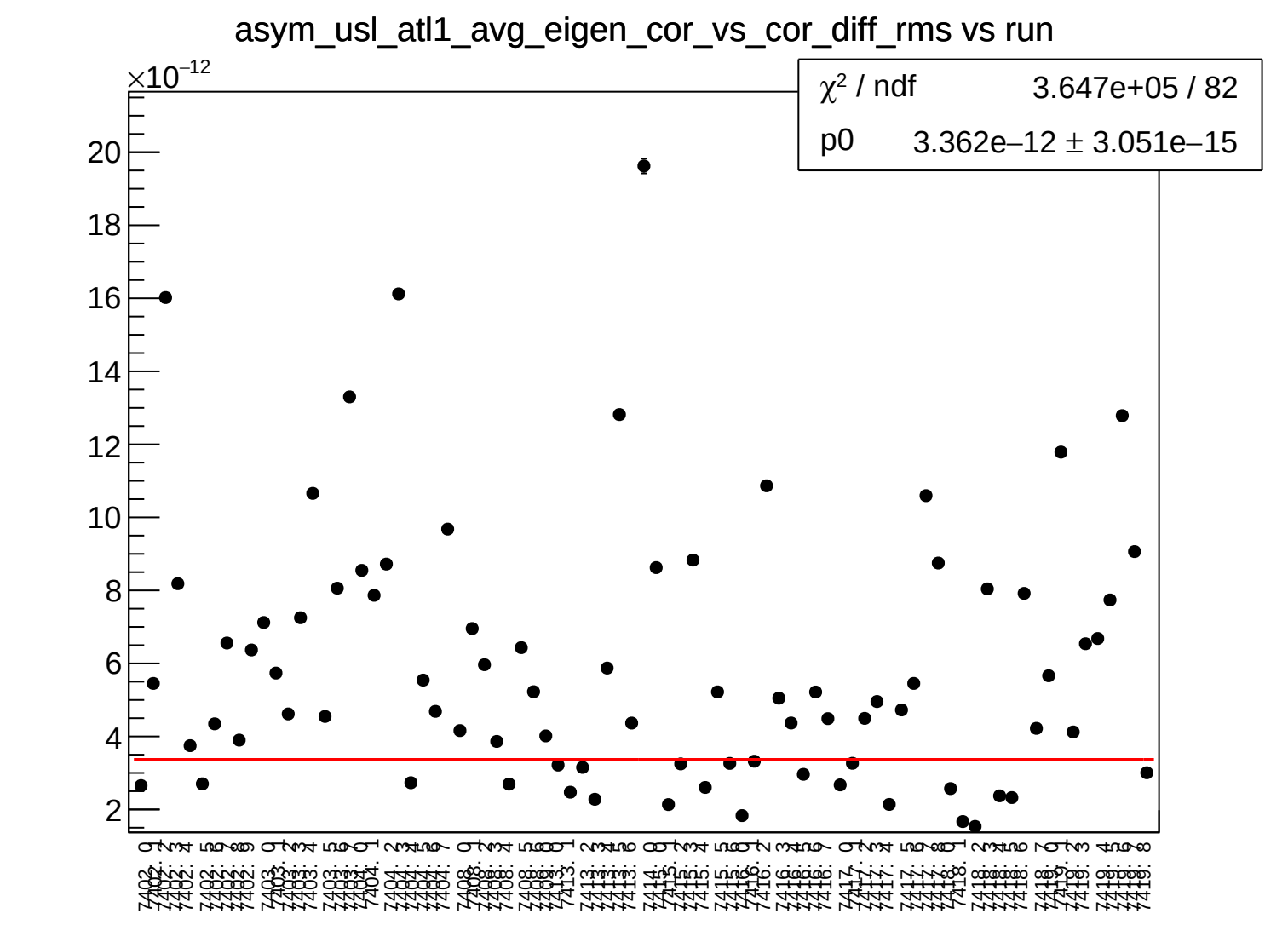

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.31 / 82
p0 −0.01244 ± 0.0432
pull
Entries 83
Mean 51.46
Std Dev 57.95

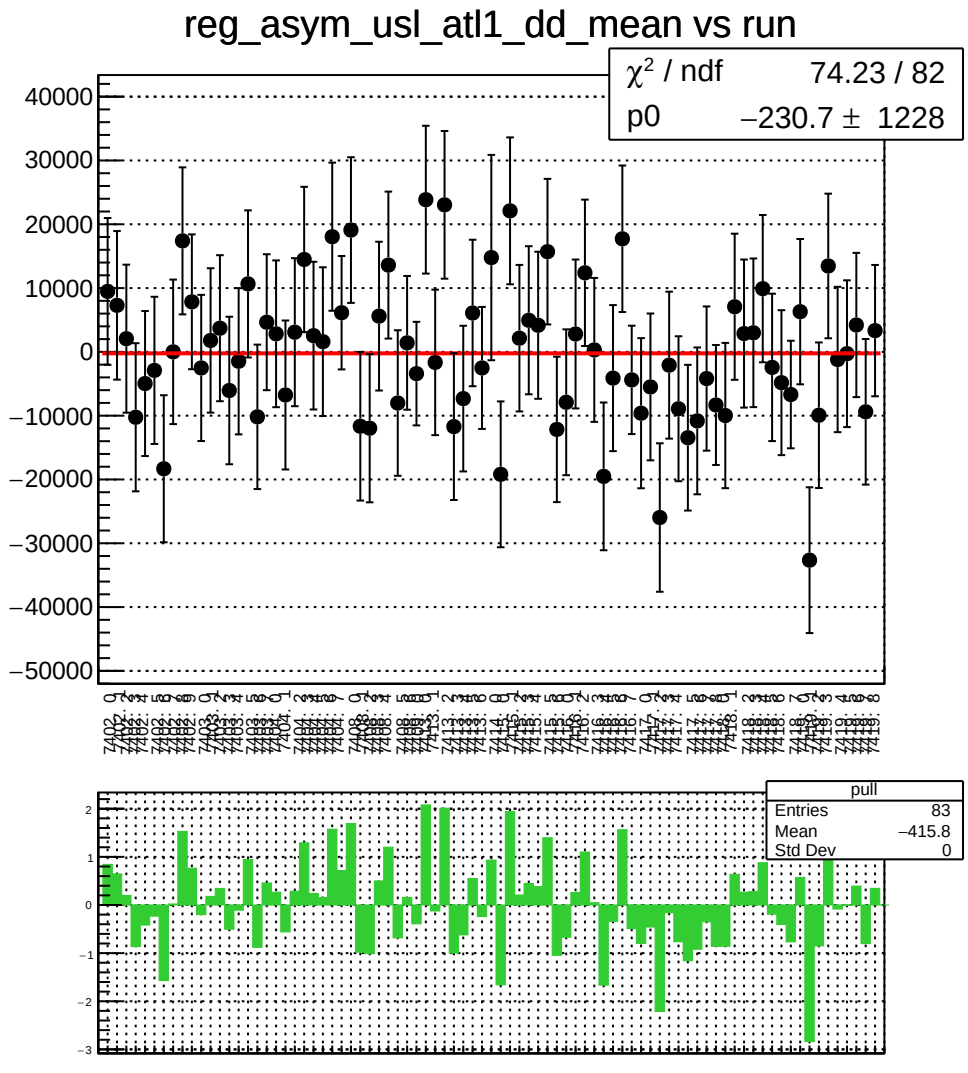

pull1D
Entries 83
Mean 0.02199
Std Dev 0.9267

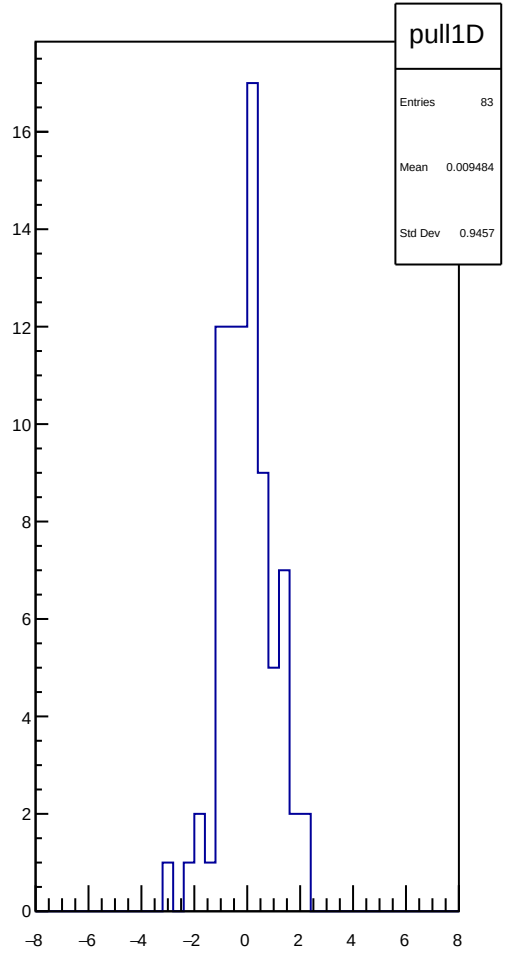

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.396e+05 / 82
p0 36.64 ± 0.03055
160
140
120
100
80
60
40
20

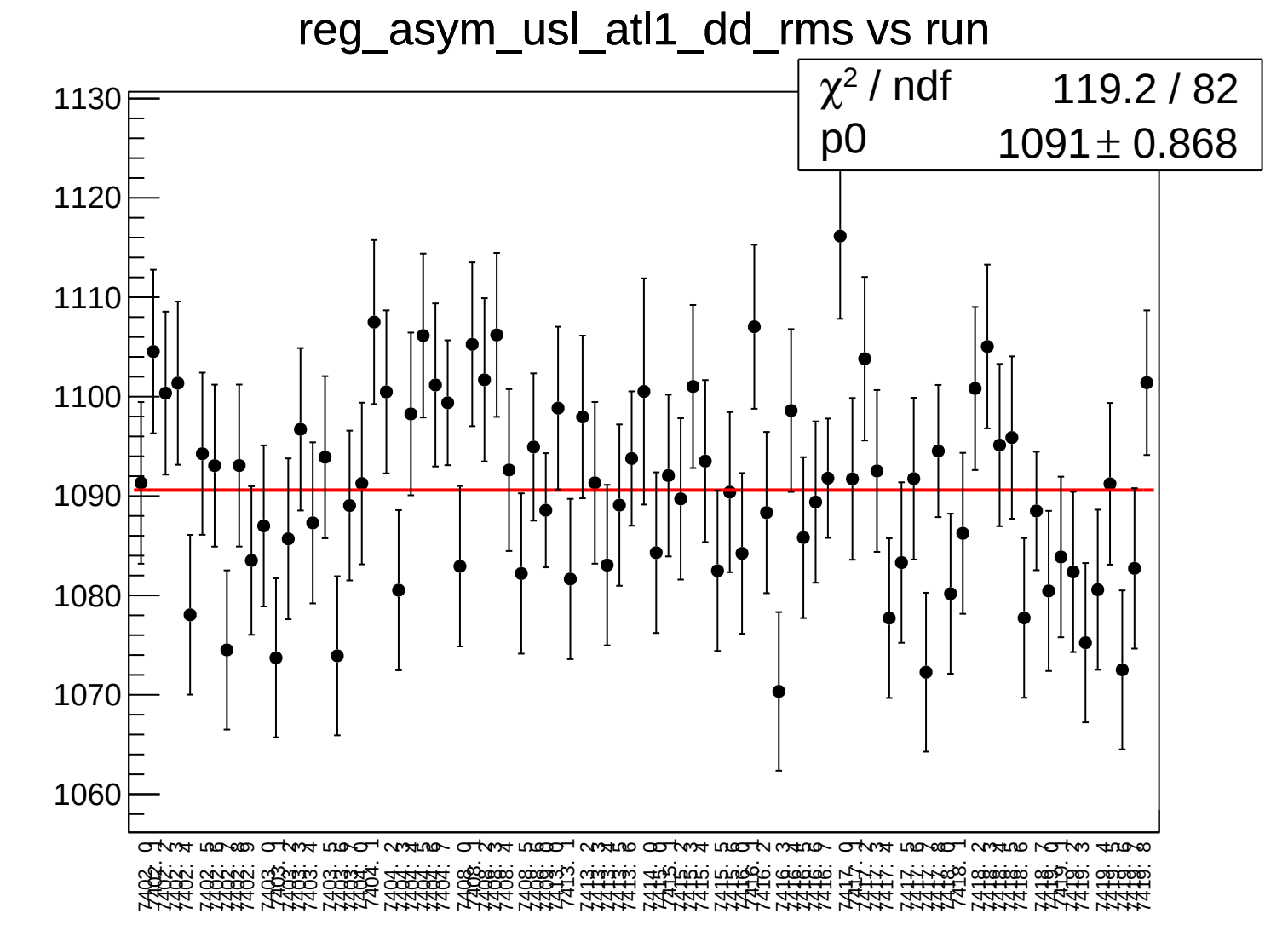

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.12 / 82
p0 −1.179e−15 ± 4.315e−15
0.6
0.4
0.2
0
−0.2
pull
Entries 83
Mean −41.09
Std Dev 0
2
1
0
−1
−2

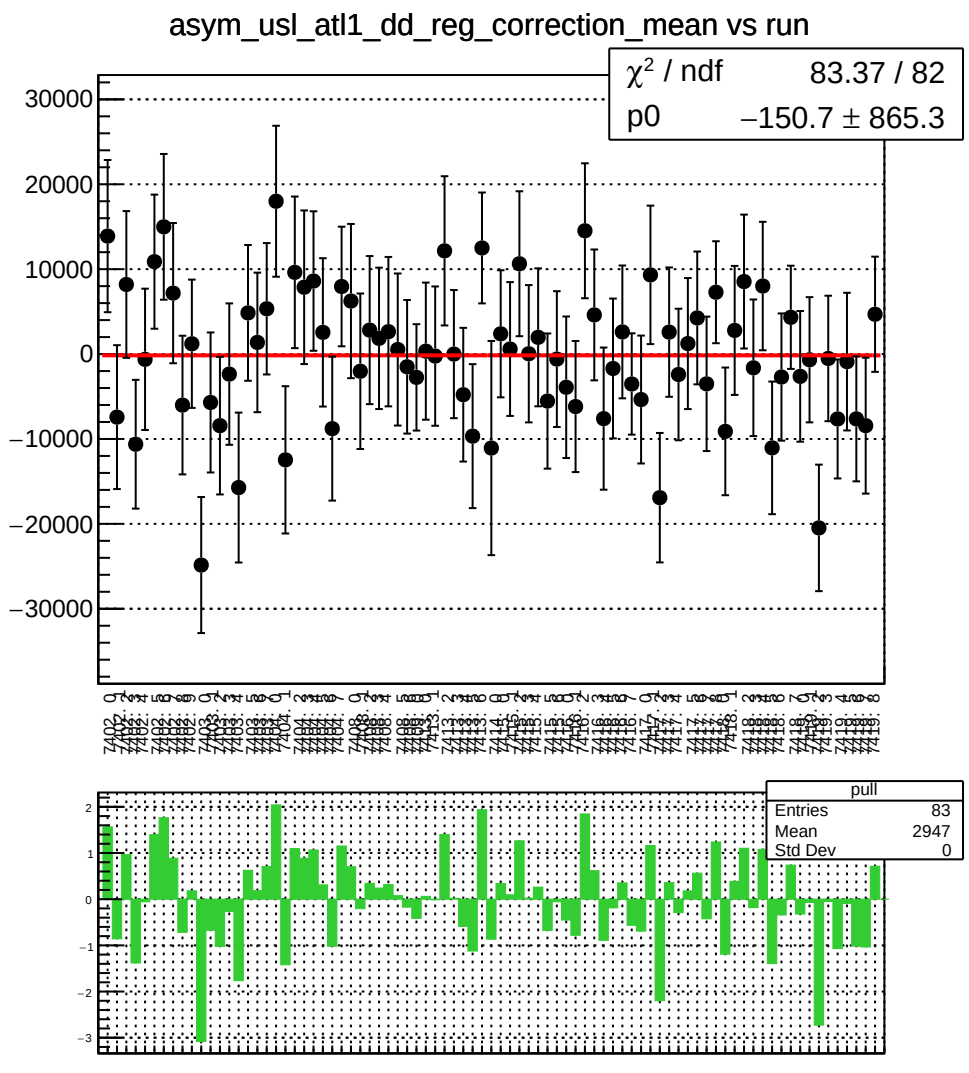

pull1D
Entries 83
Mean 0.04485
Std Dev 0.9876
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

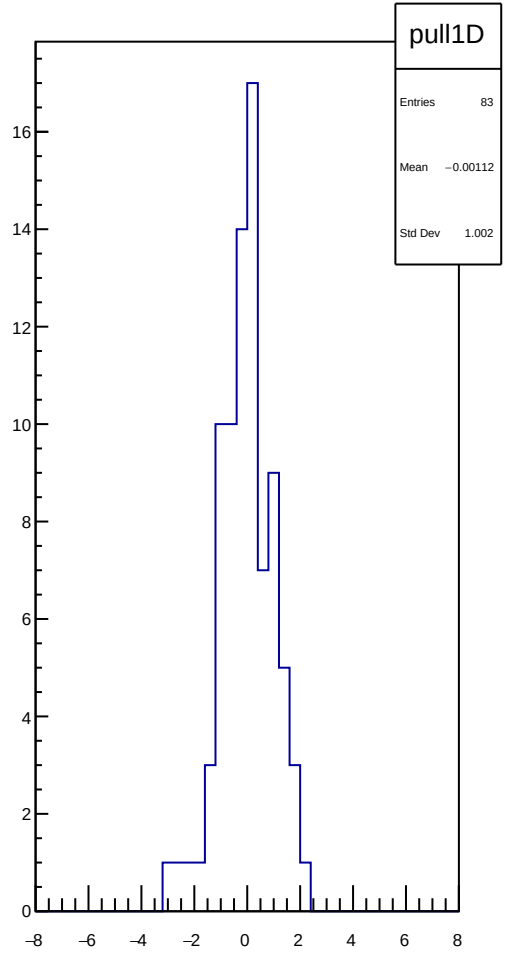

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.647e+05 / 82
p0 3.362e−12 ± 3.051e−15
20
18
16
14
12
10
8
6
4
2

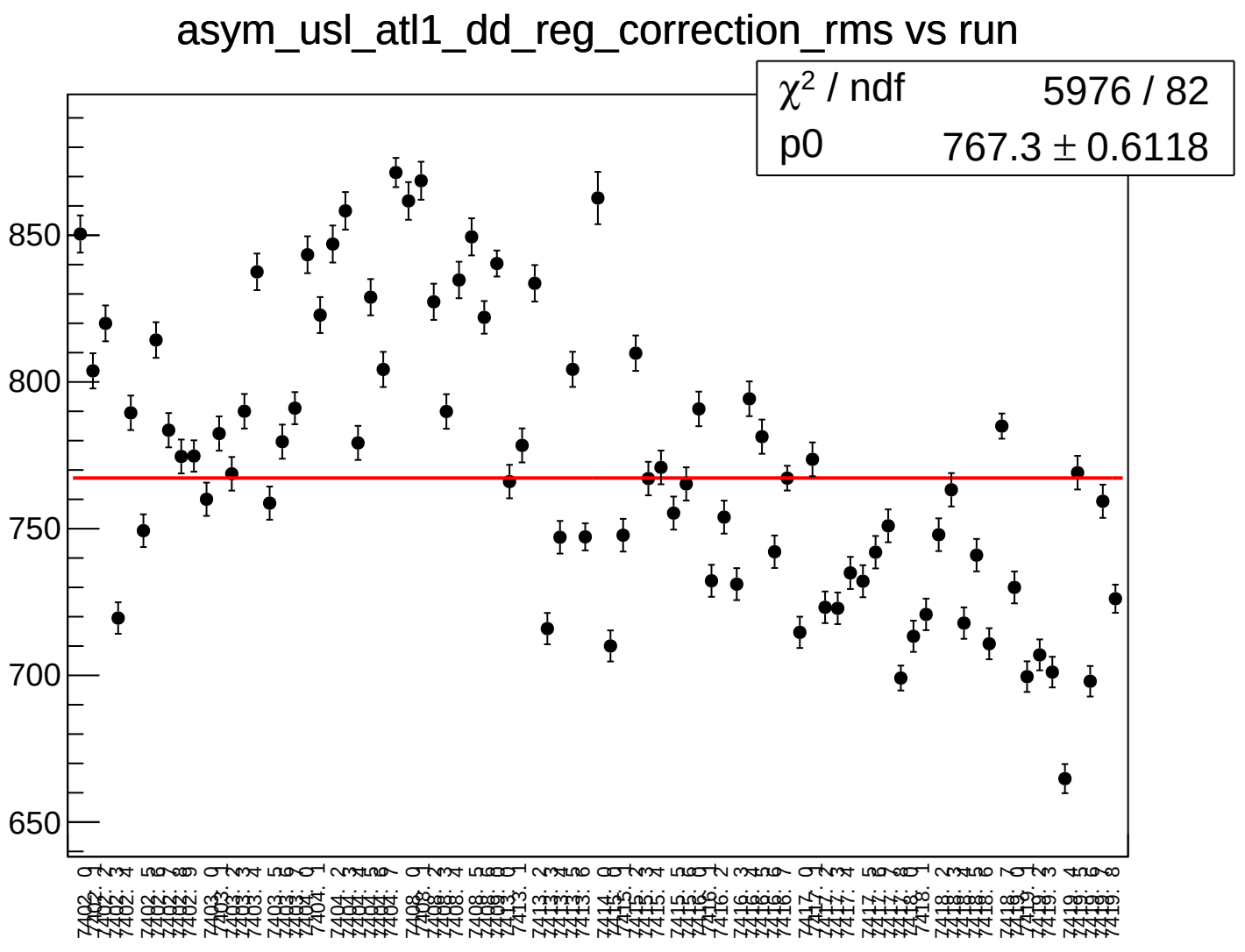

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 74.23 / 82
p0 −230.7 ± 1228
pull
Entries 83
Mean −415.8
Std Dev 0

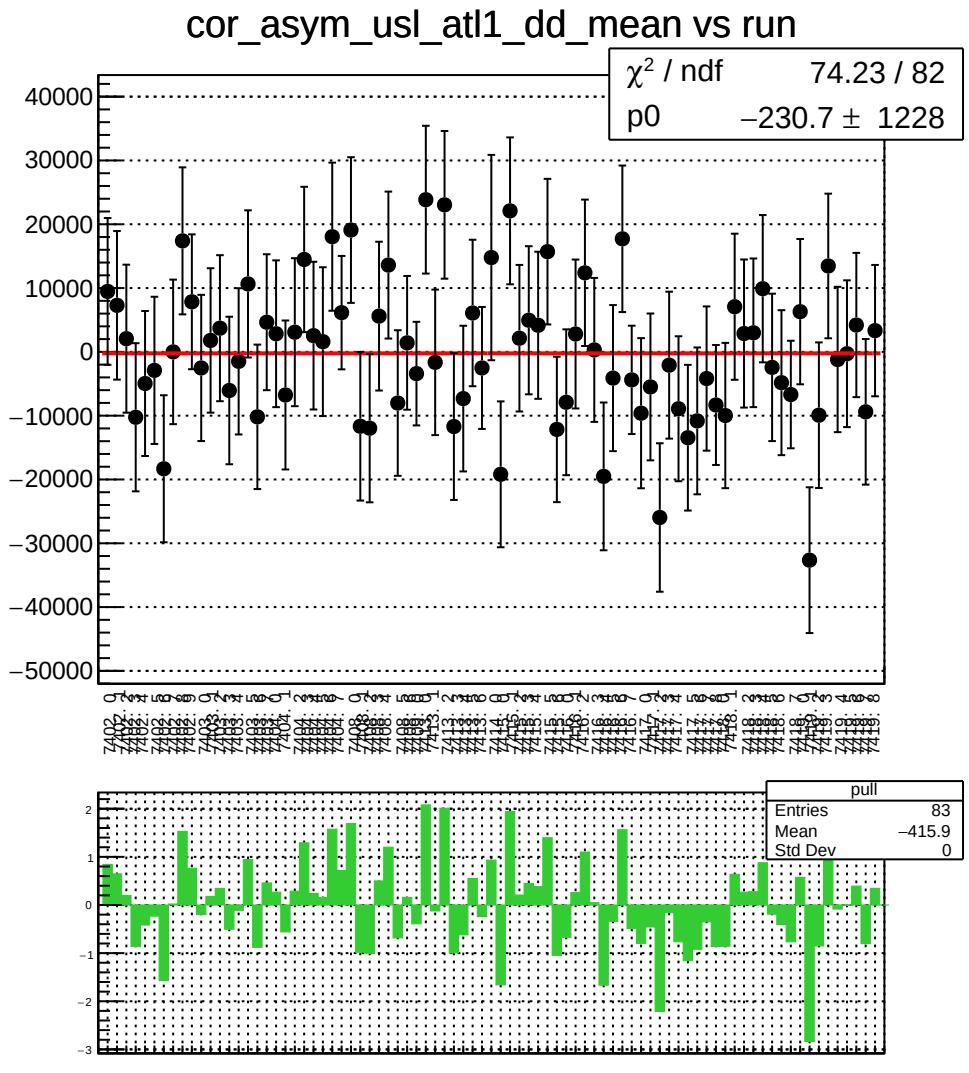

pull1D
Entries 83
Mean 0.009484
Std Dev 0.9457

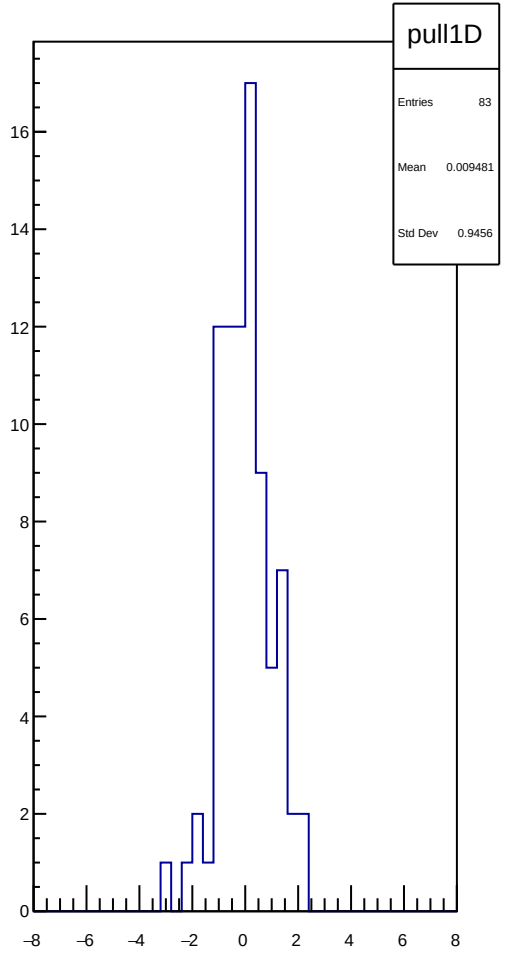

reg_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 119.2 / 82
p0 1091 ± 0.868
1130
1120
1110
1100
1090
1080
1070
1060

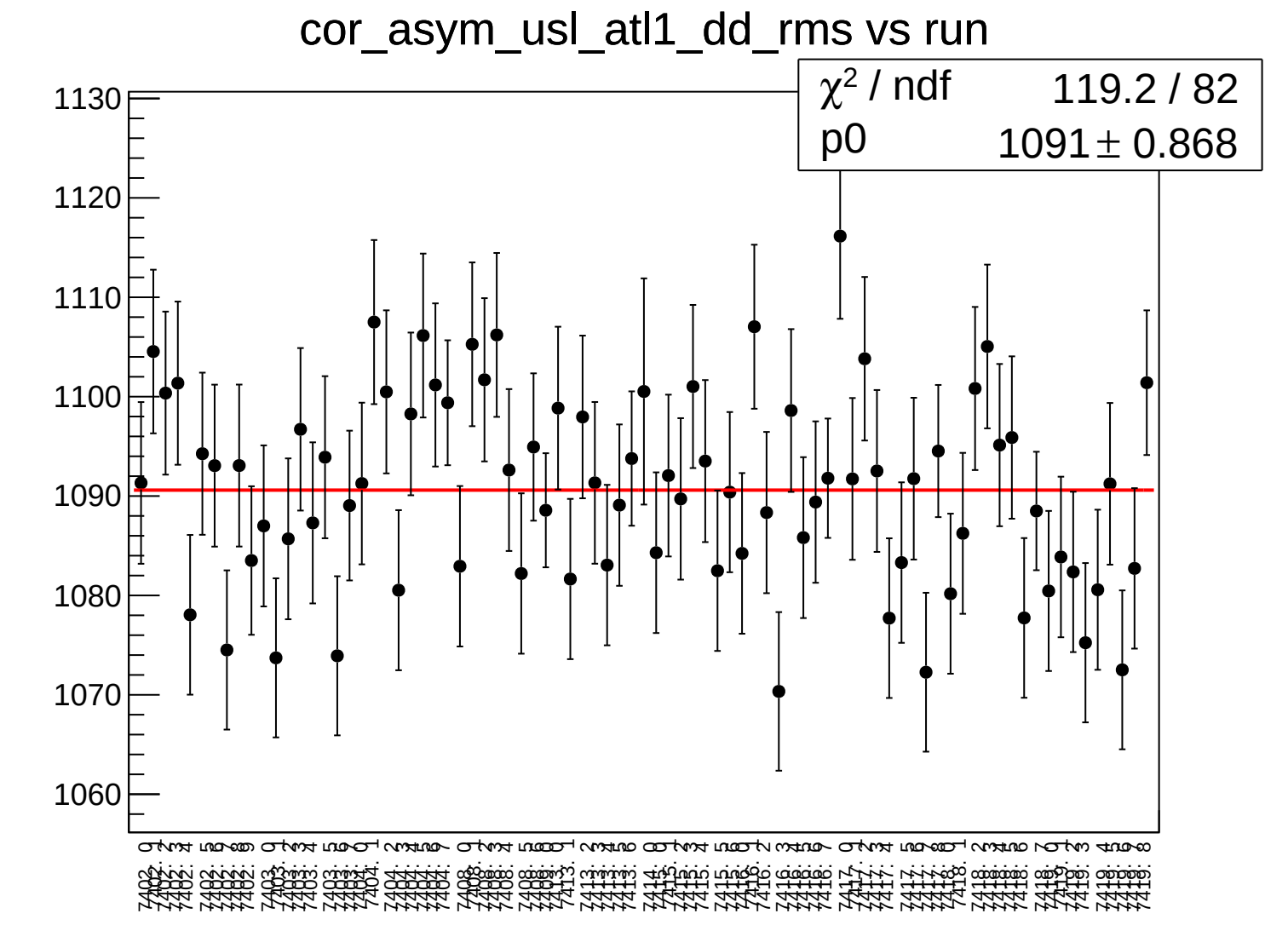

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 83.37 / 82
p0 −150.7 ± 865.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 2947
Std Dev 0
2
1
0
−1
−2
−3

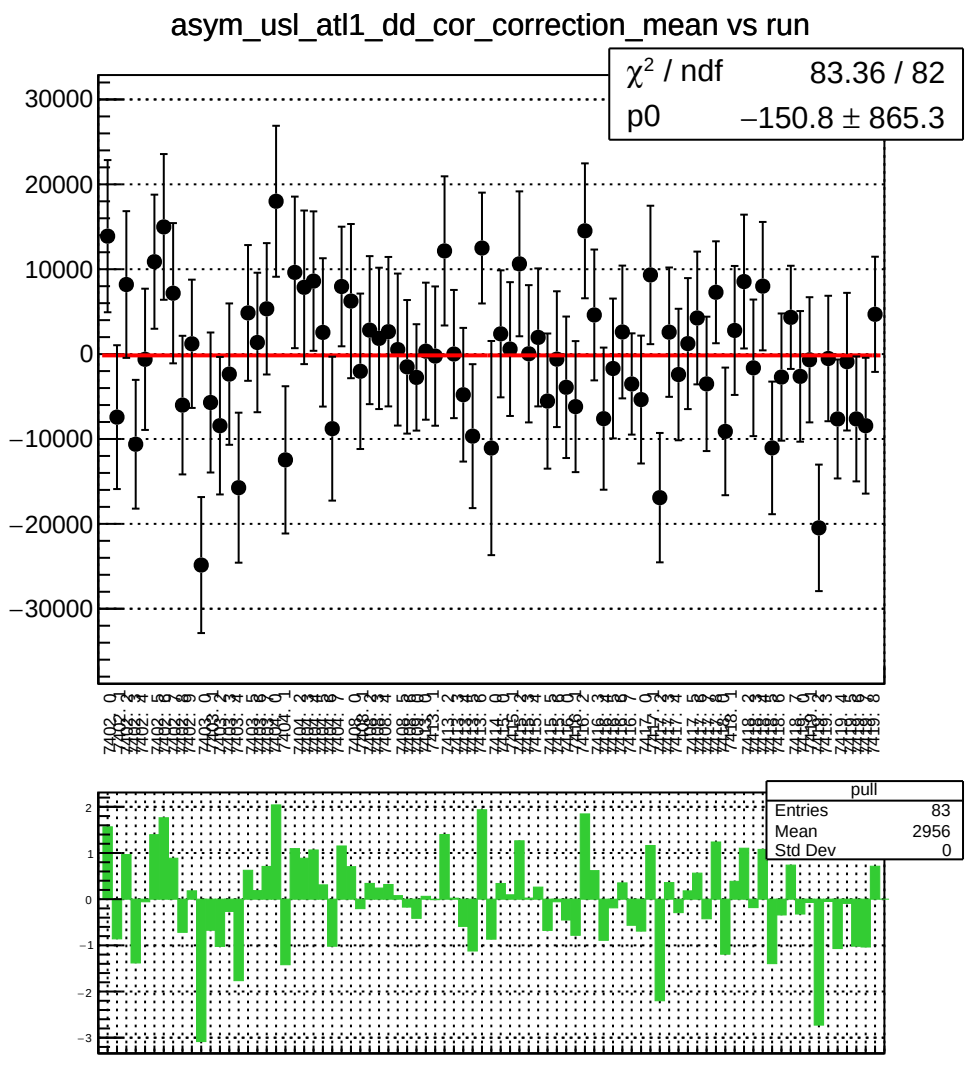

pull1D
Entries 83
Mean −0.00112
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

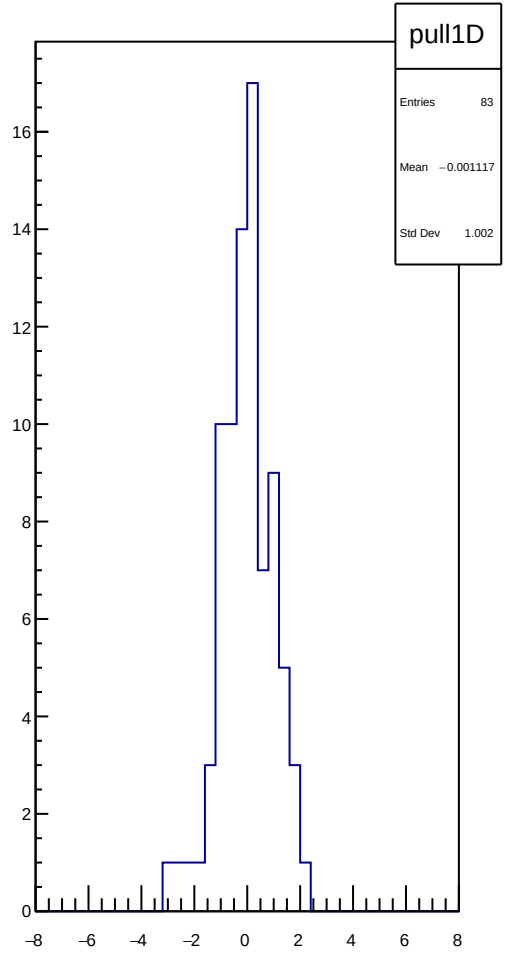

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 5976 / 82
p0 767.3 ± 0.6118
850
800
750
700
650

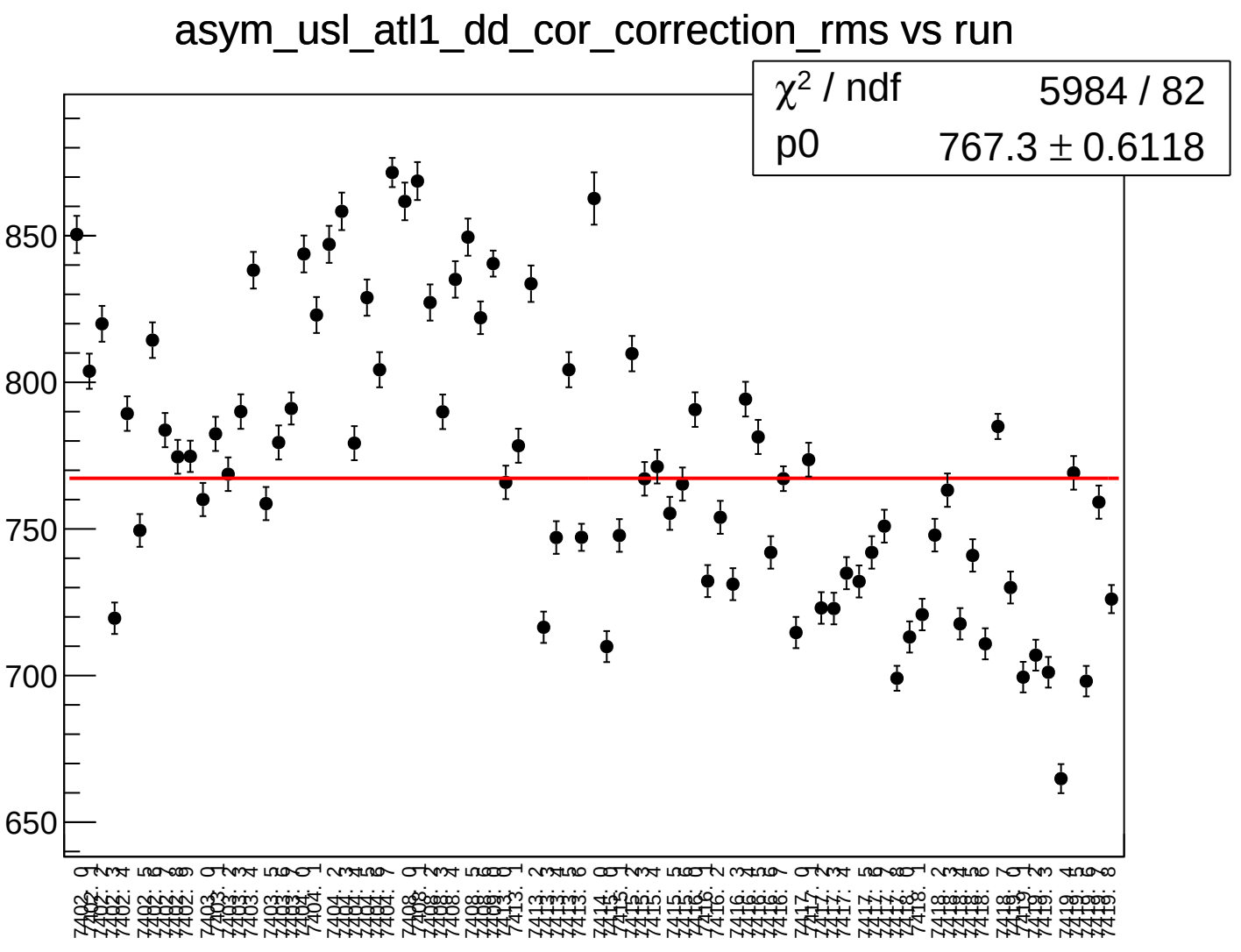

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 74.23 / 82
p0 −230.7 ± 1228
pull
Entries 83
Mean −415.9
Std Dev 0

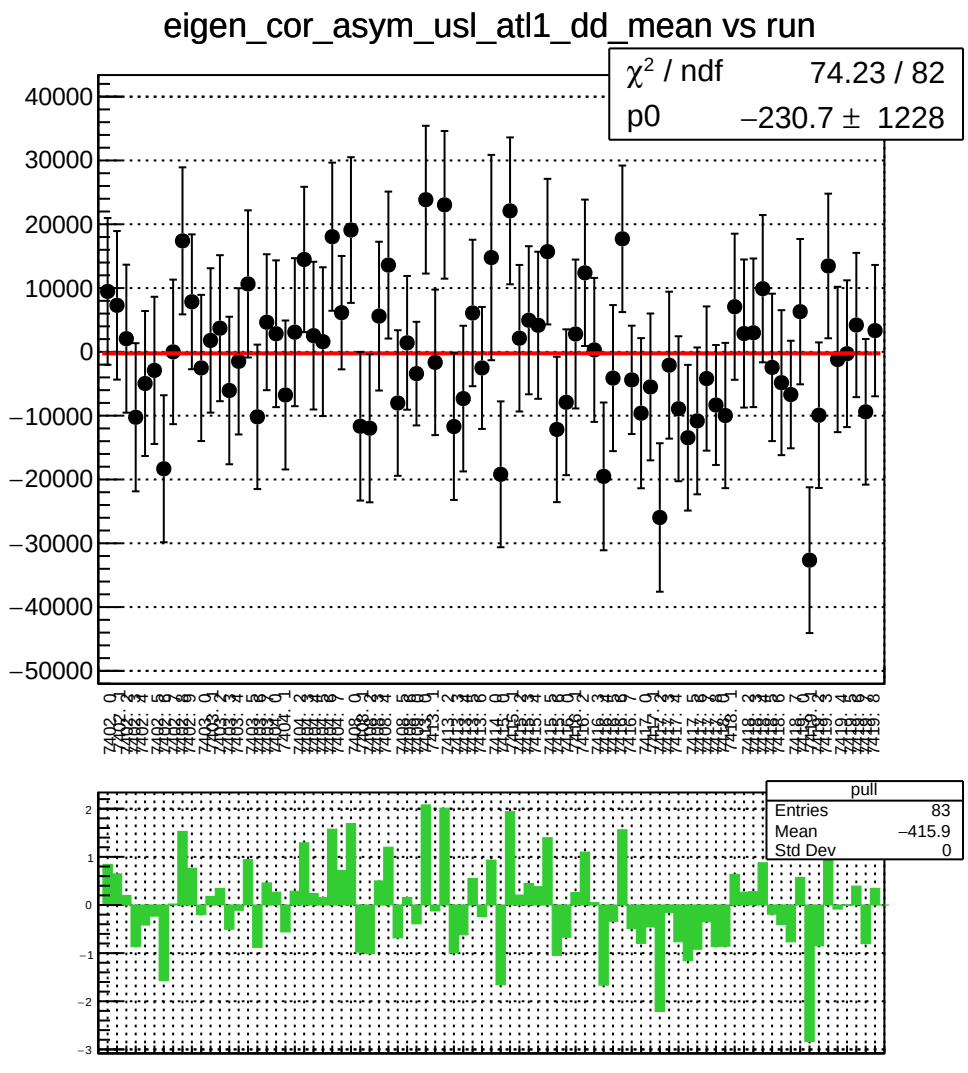

pull1D
Entries 83
Mean 0.009481
Std Dev 0.9456

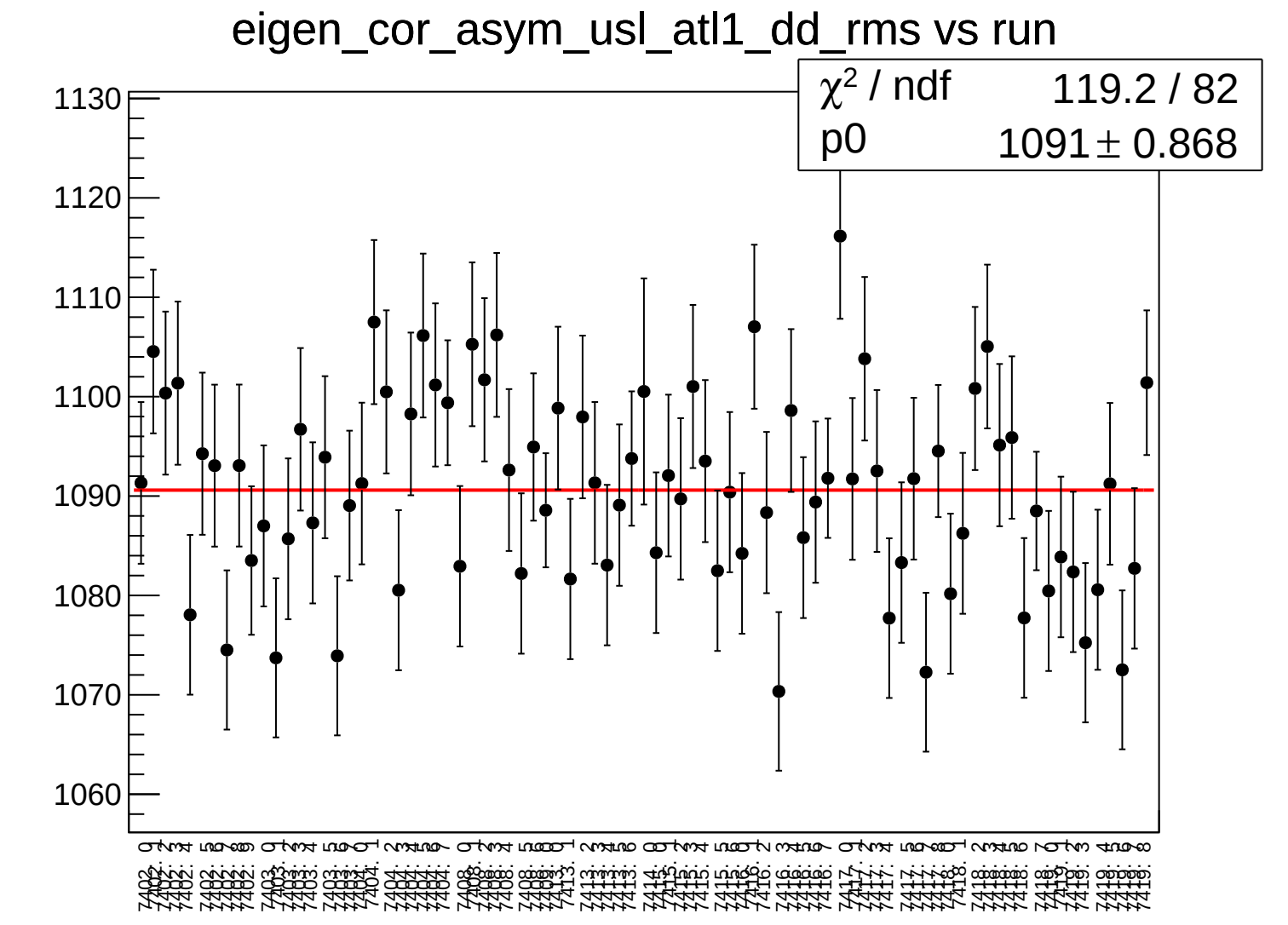

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 119.2 / 82
p0 1091 ± 0.868
1130
1120
1110
1100
1090
1080
1070
1060

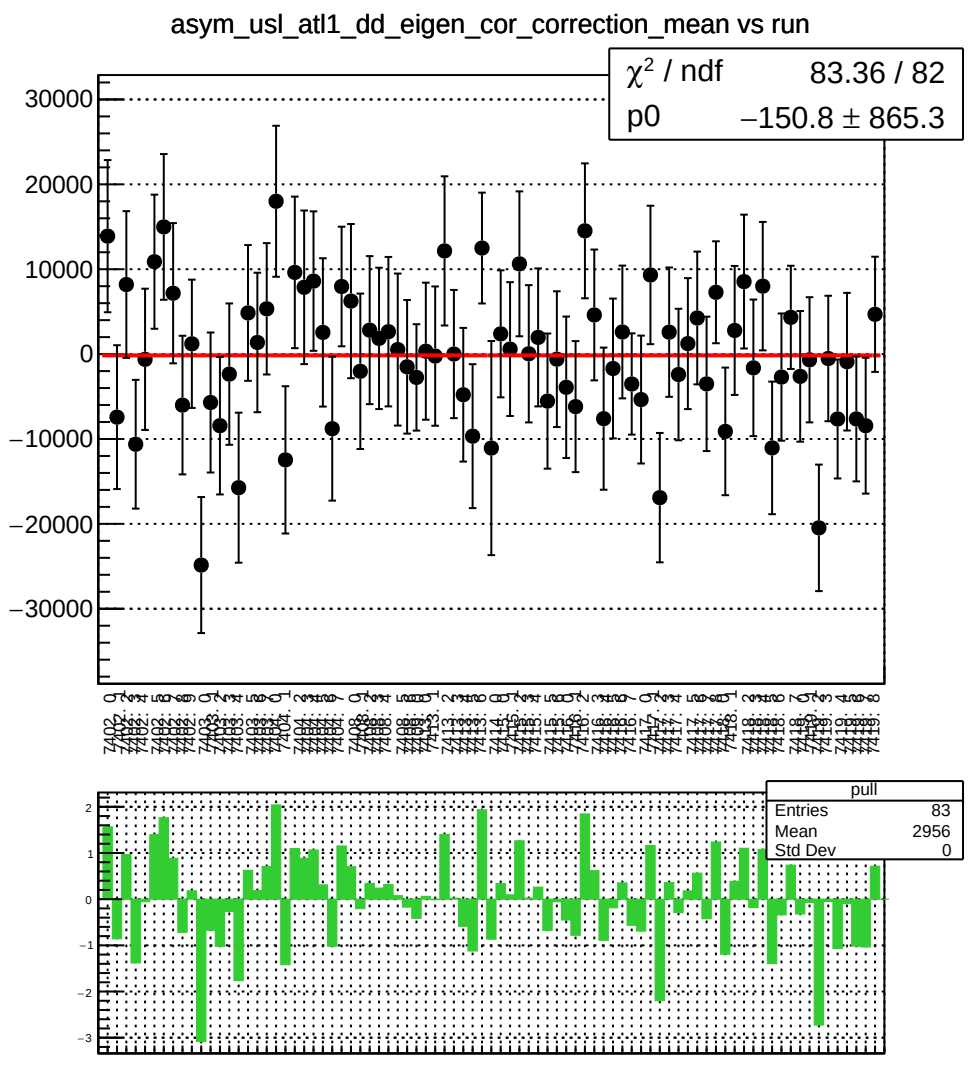

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 83.36 / 82
p0 −150.8 ± 865.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 2956
Std Dev 0
2
1
0
−1
−2
−3

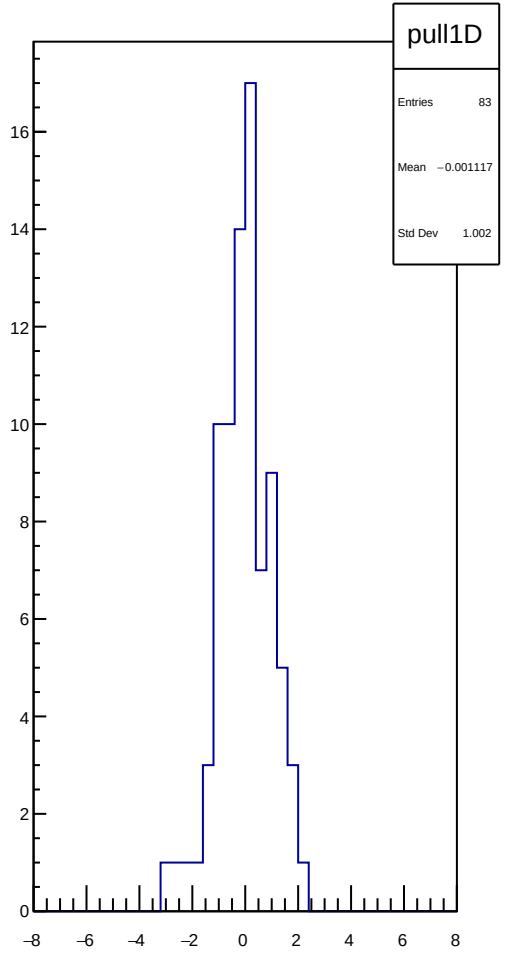

pull1D
Entries 83
Mean −0.001117
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

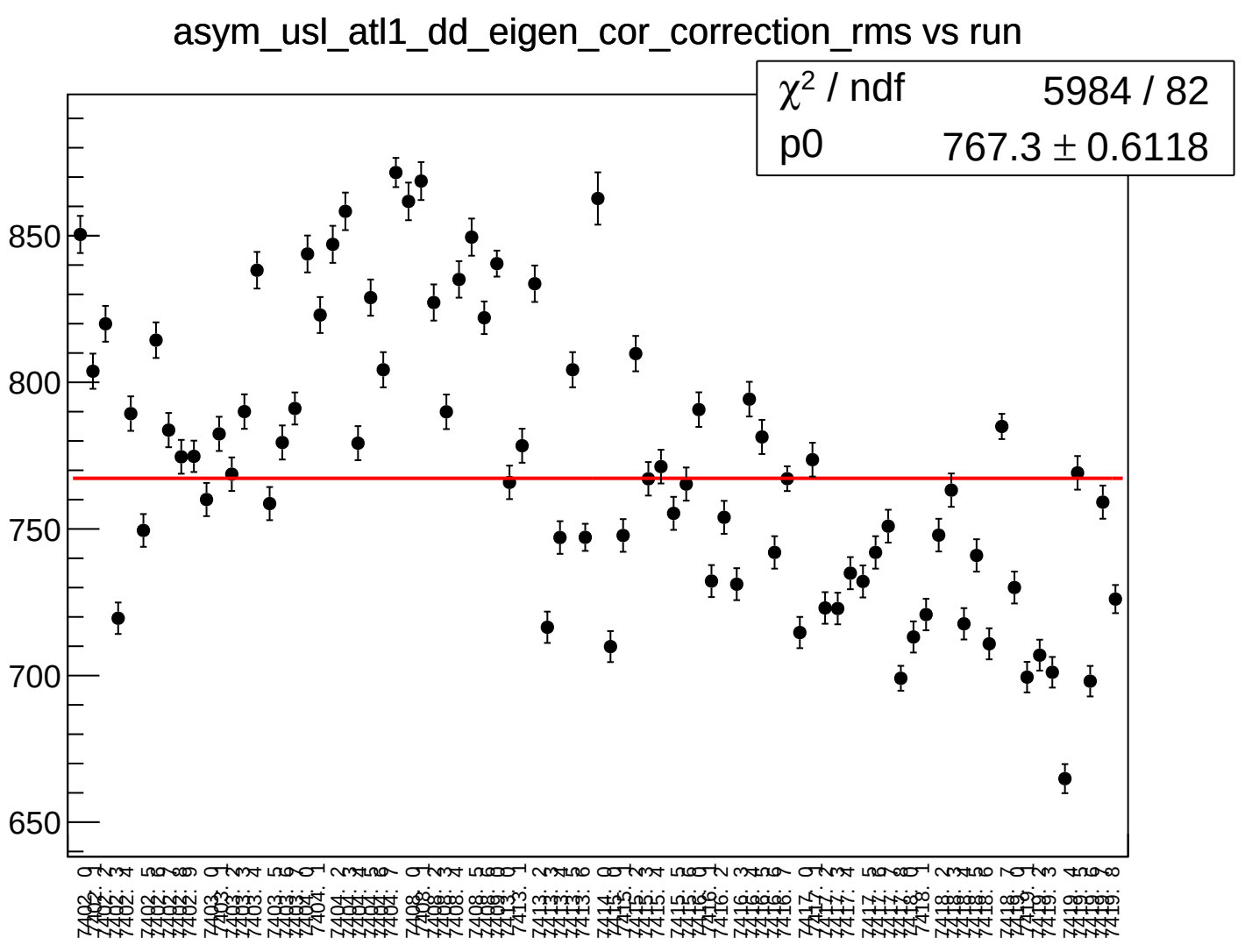

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 5984 / 82
p0 767.3 ± 0.6118
850
800
750
700
650

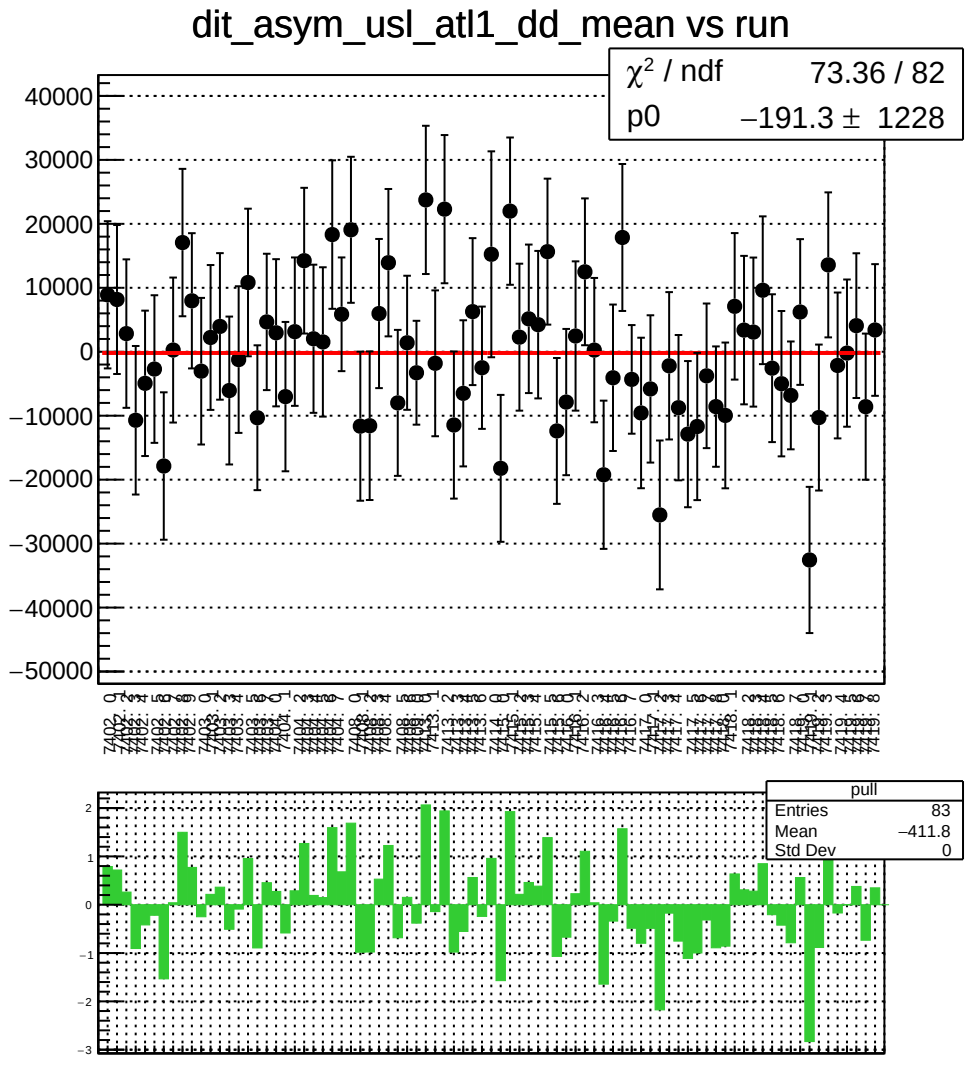

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 74.23 / 82
p0 −230.7 ± 1228
pull
Entries 83
Mean −415.9
Std Dev 0
pull1D
Entries 83
Mean 0.009481
Std Dev 0.9456

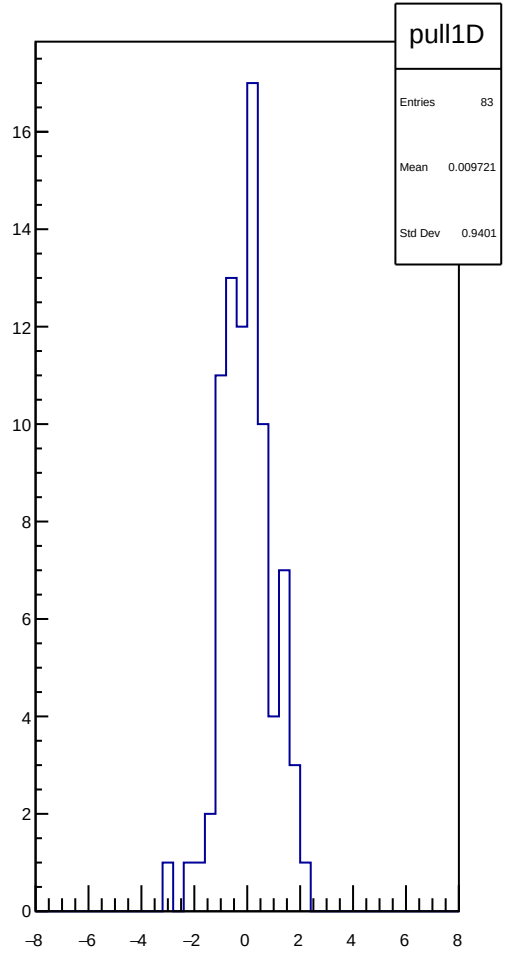

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 119.2 / 82
p0 1091 ± 0.868
1130
1120
1110
1100
1090
1080
1070
1060

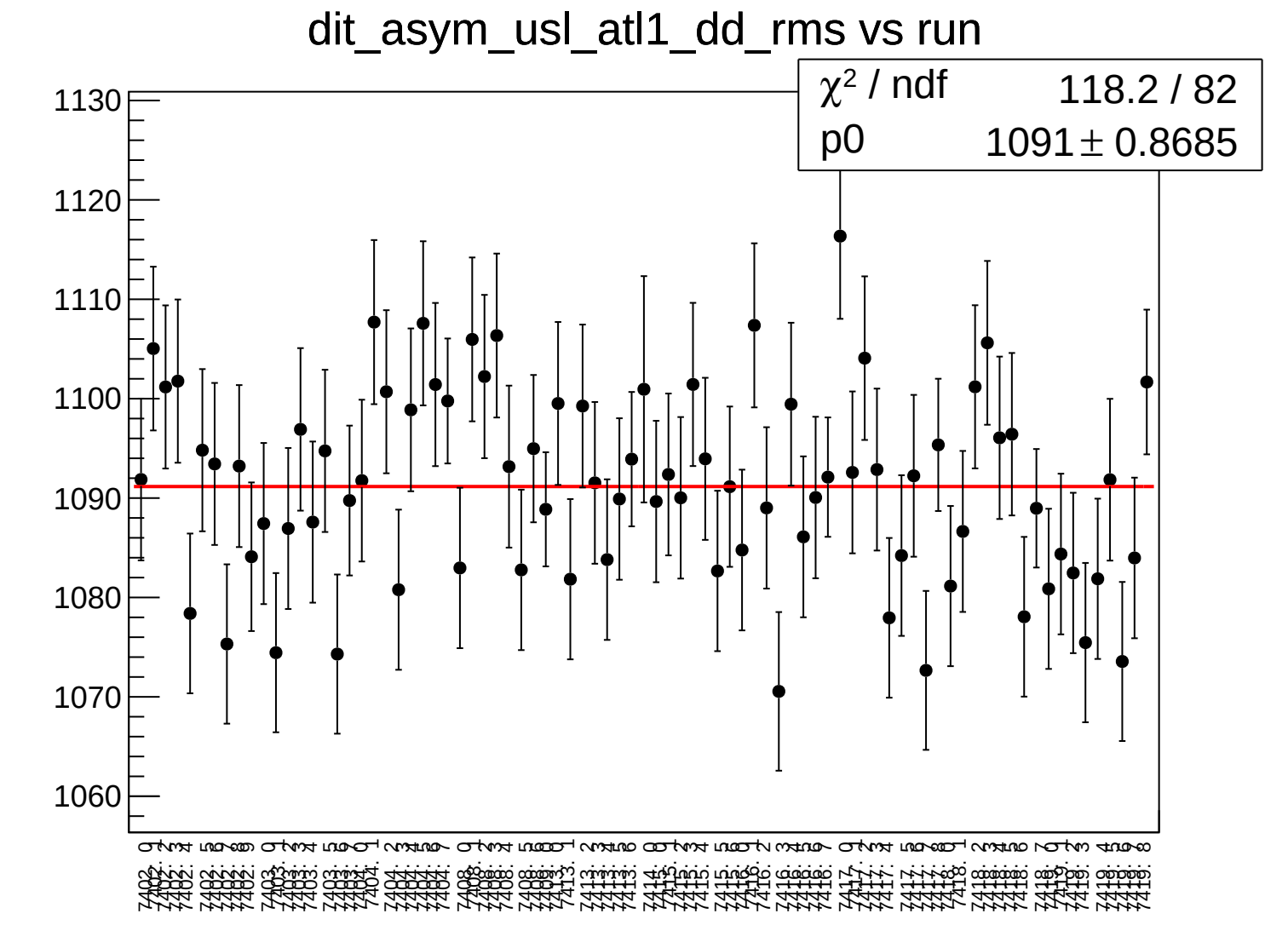

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.36 / 82
p0 −150.8 ± 865.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 2956
Std Dev 0
2
1
0
−1
−2
−3

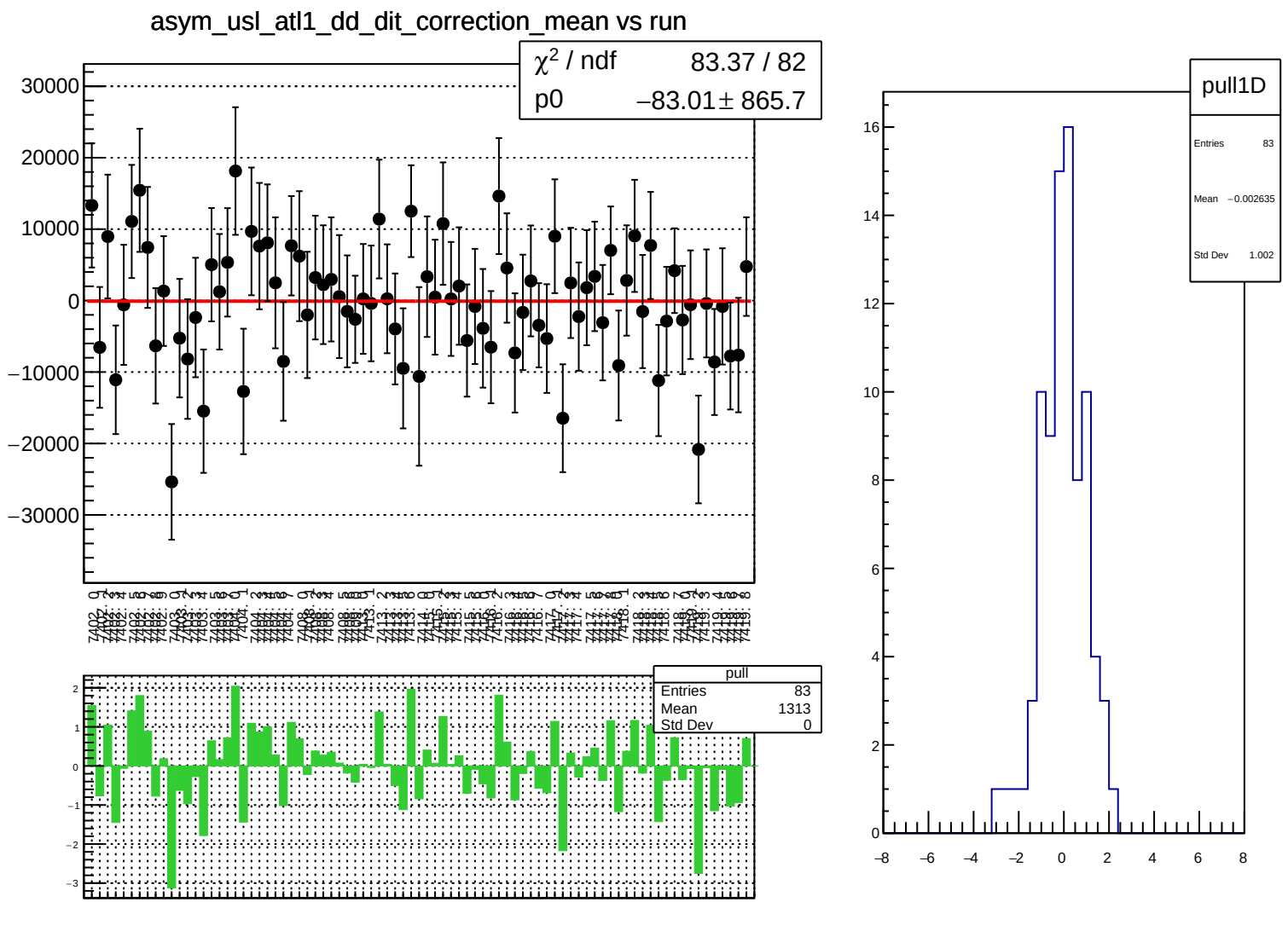

pull1D
Entries 83
Mean −0.001117
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

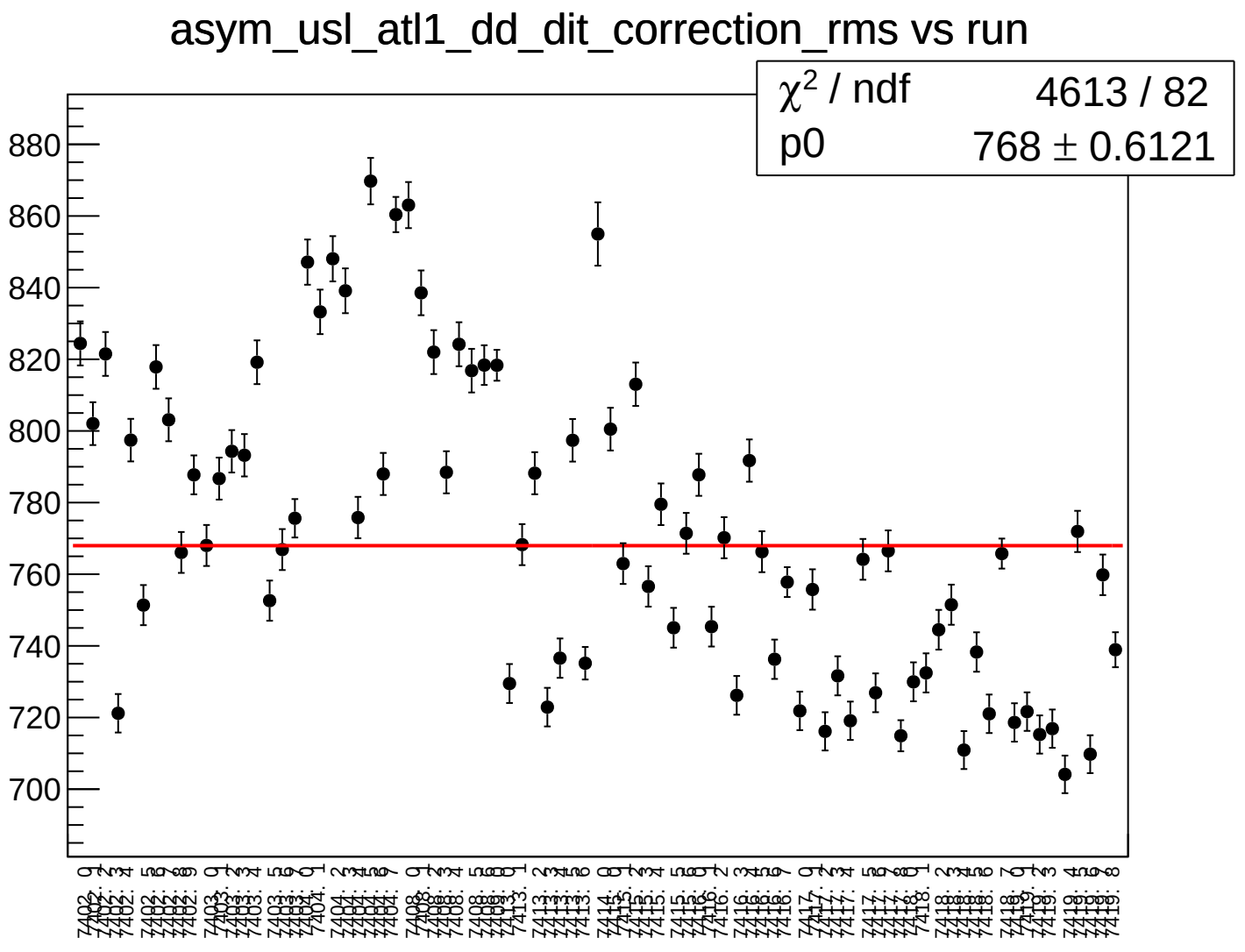

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5984 / 82
p0 767.3 ± 0.6118
850
800
750
700
650

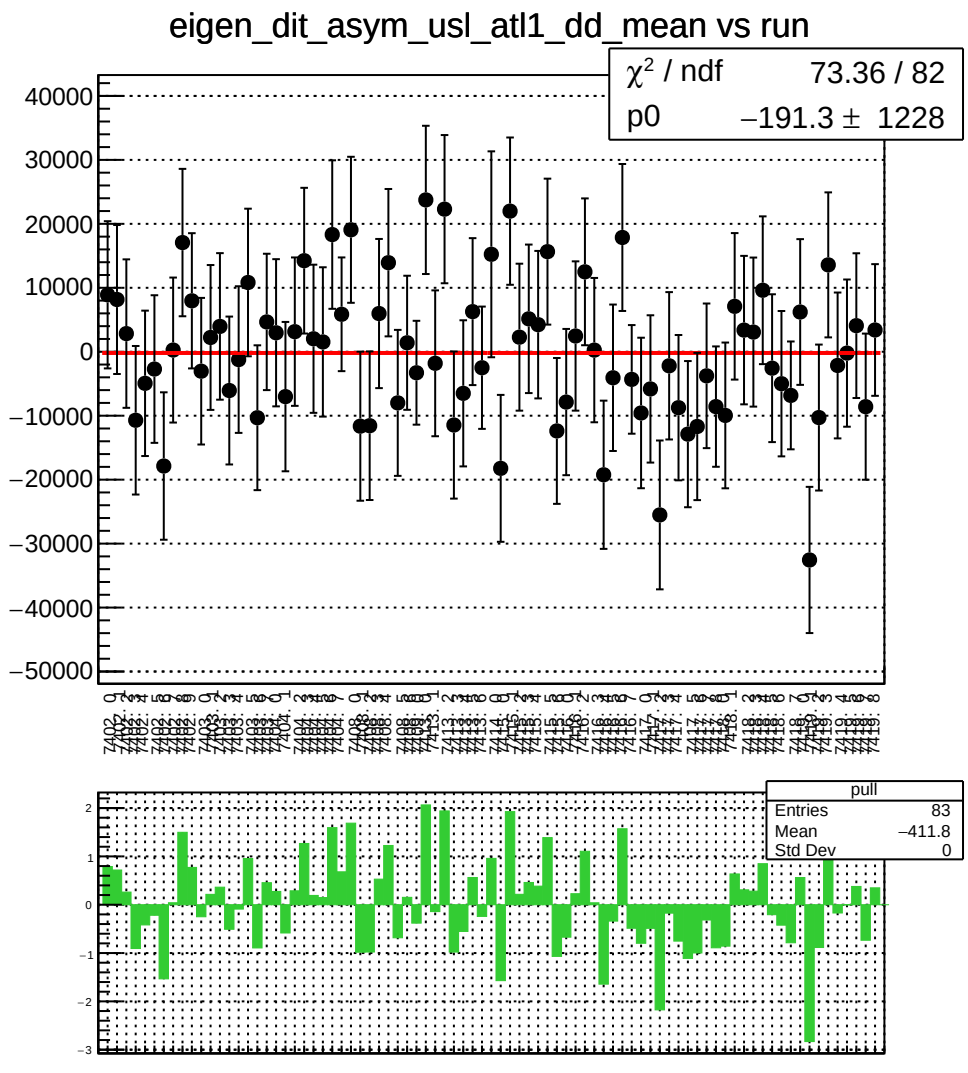

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 73.36 / 82
p0 −191.3 ± 1228
pull
Entries 83
Mean −411.8
Std Dev 0

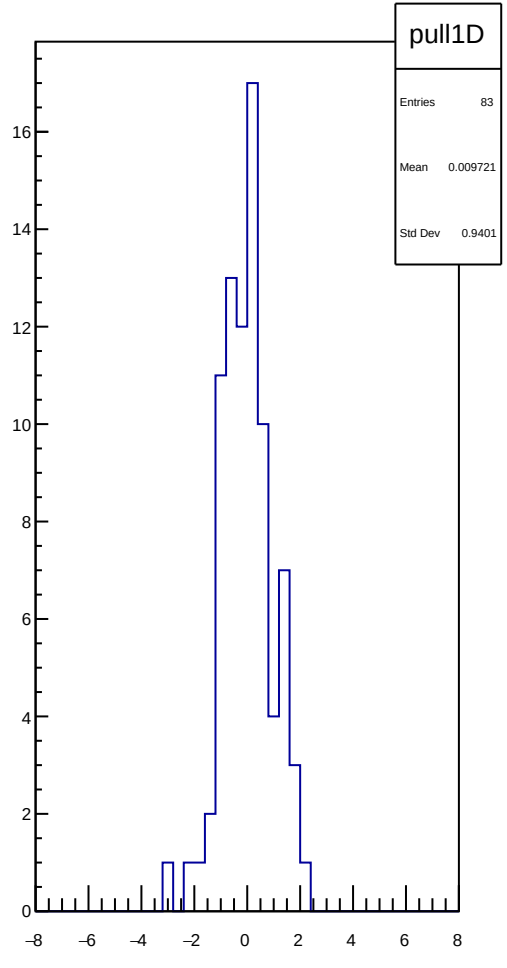

pull1D
Entries 83
Mean 0.009721
Std Dev 0.9401

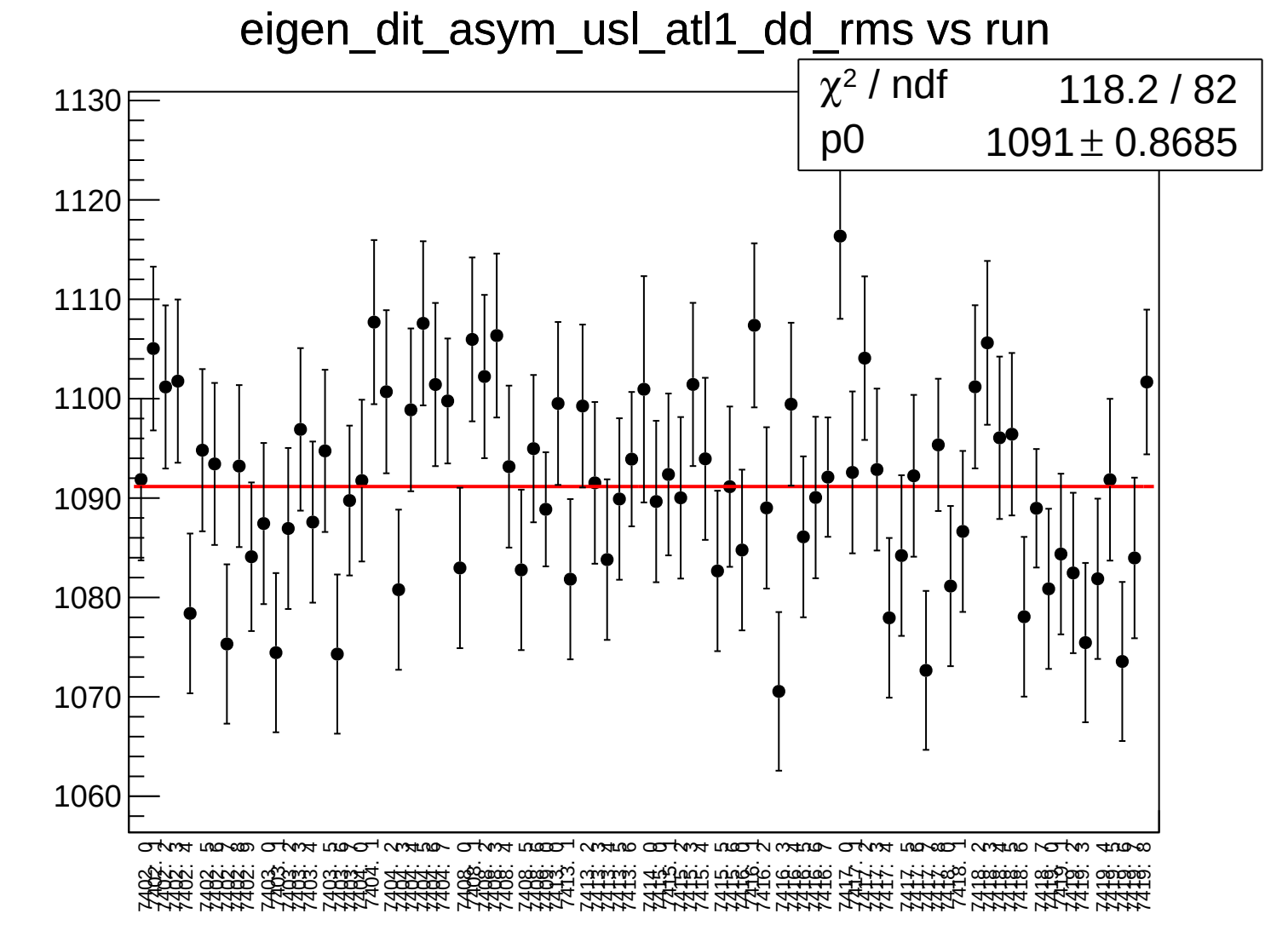

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 118.2 / 82
p0 1091 ± 0.8685
1130
1120
1110
1100
1090
1080
1070
1060

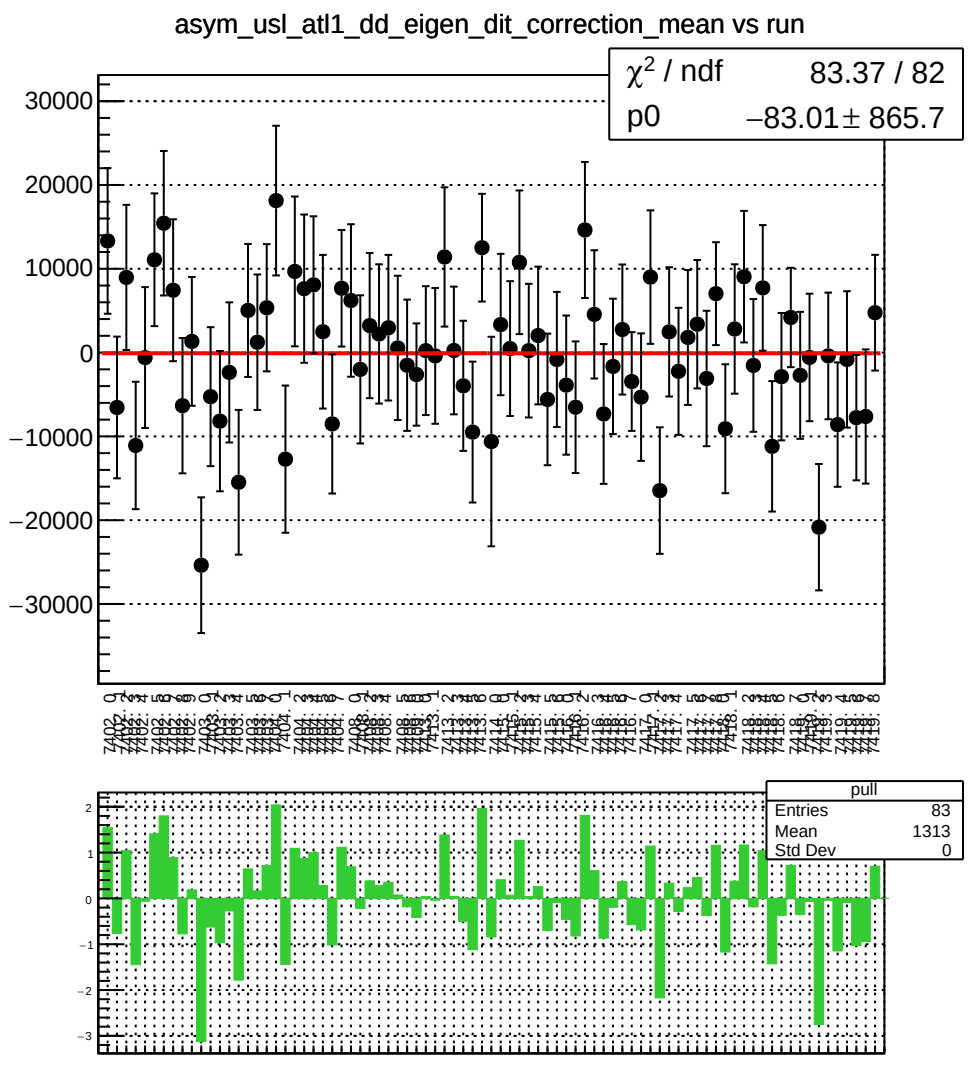

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 83.37 / 82
p0 −83.01 ± 865.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 1313
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.002635
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

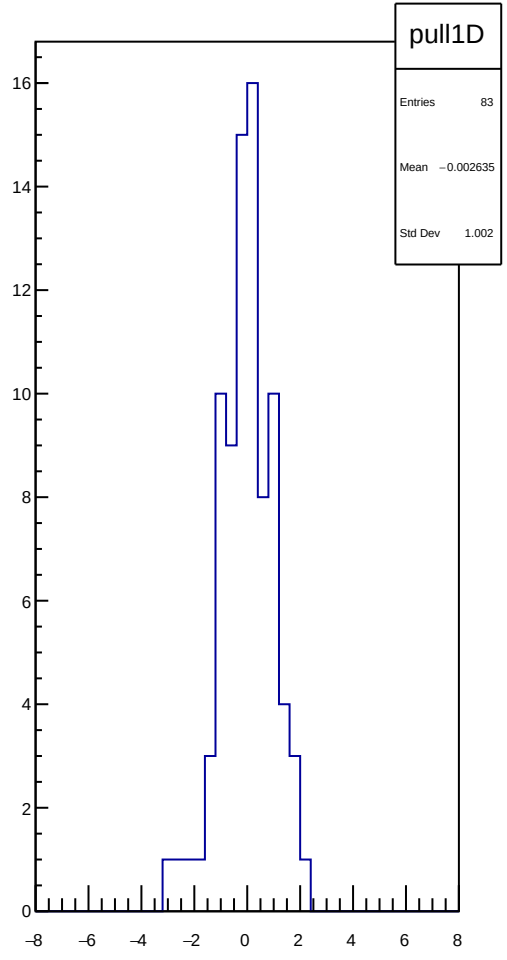

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 4613 / 82
p0 768 ± 0.6121
880
860
840
820
800
780
760
740
720
700

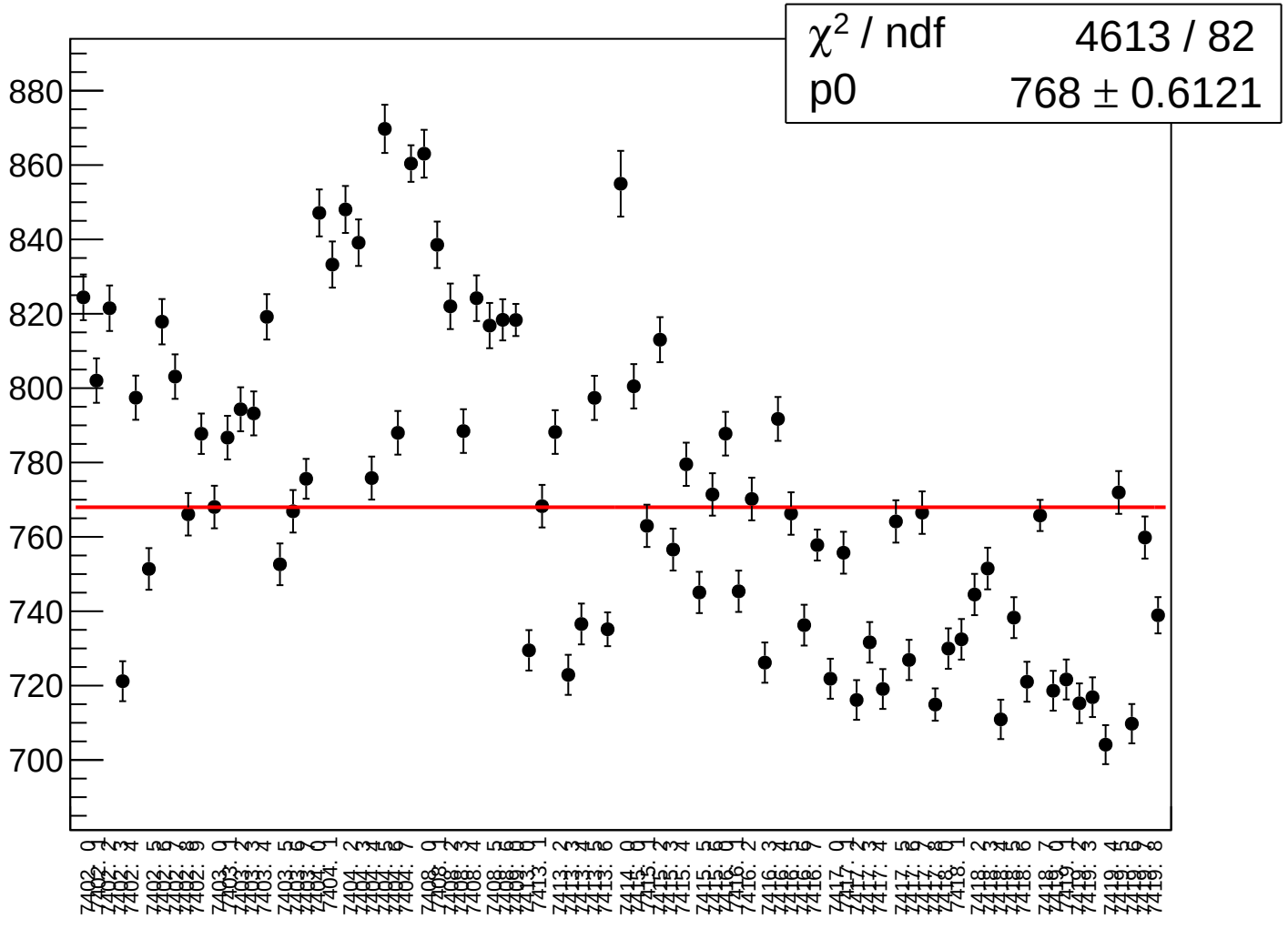

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 73.36 / 82
p0 −191.3 ± 1228
pull
Entries 83
Mean −411.8
Std Dev 0

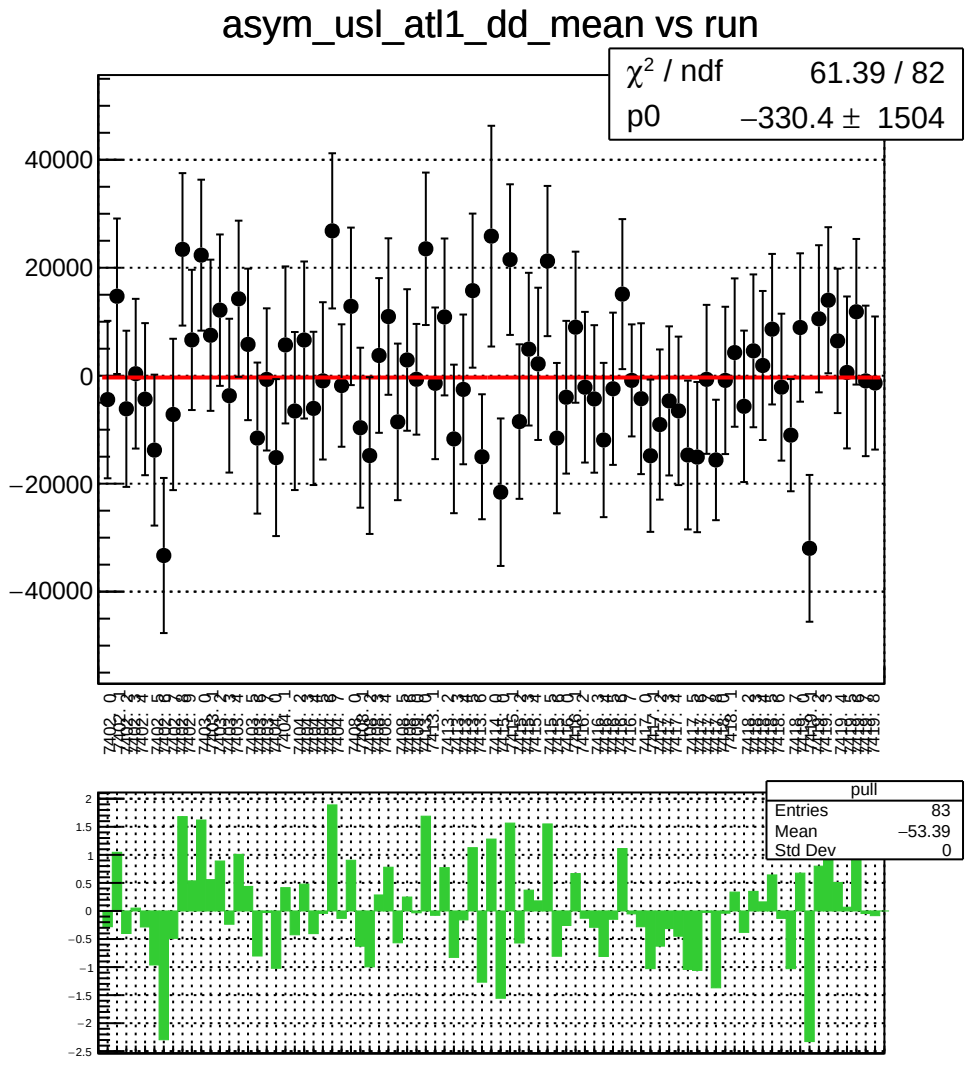

pull1D
Entries 83
Mean 0.009721
Std Dev 0.9401

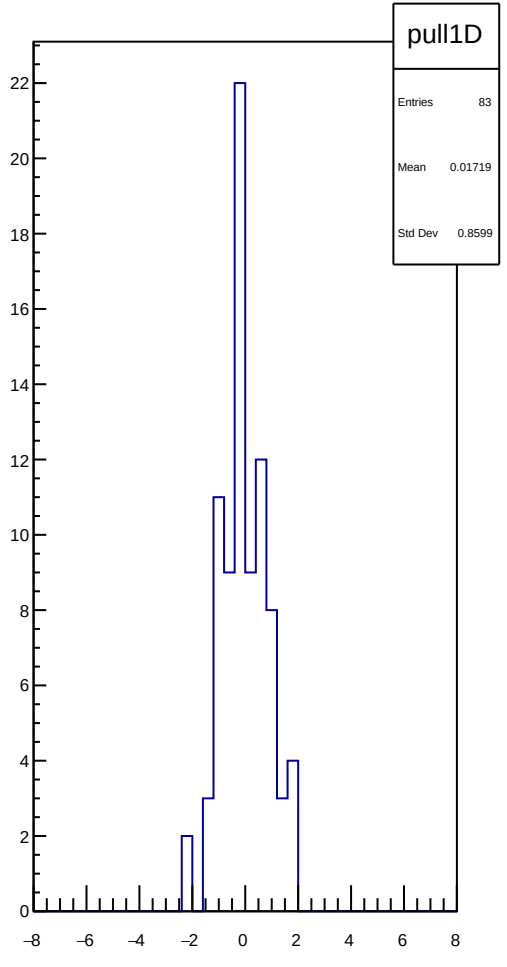

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 118.2 / 82
p0 1091 ± 0.8685
1130
1120
1110
1100
1090
1080
1070
1060

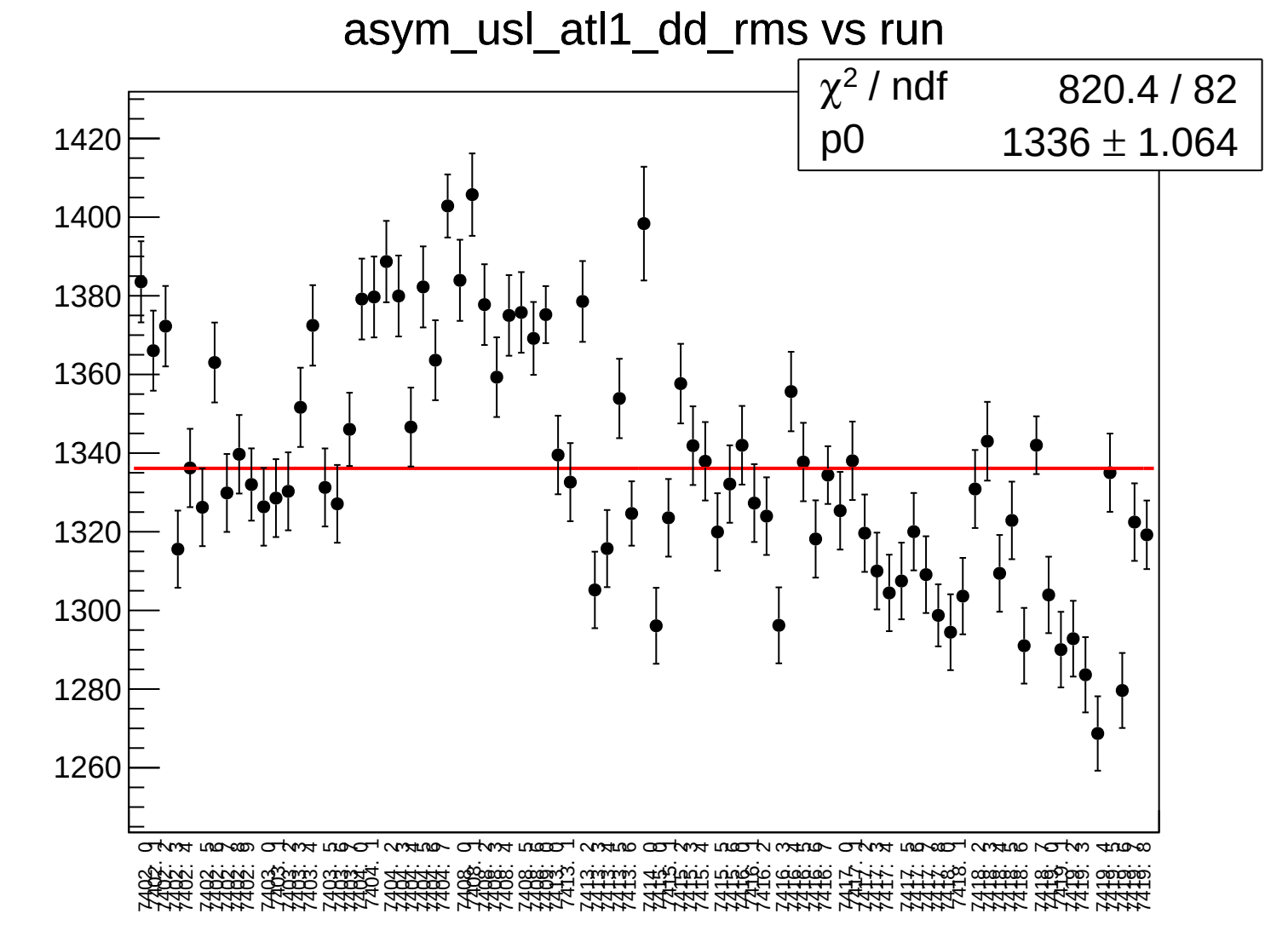

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.37 / 82
p0 −83.01 ± 865.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 1313
Std Dev 0
2
1
0
−1
−2
−3

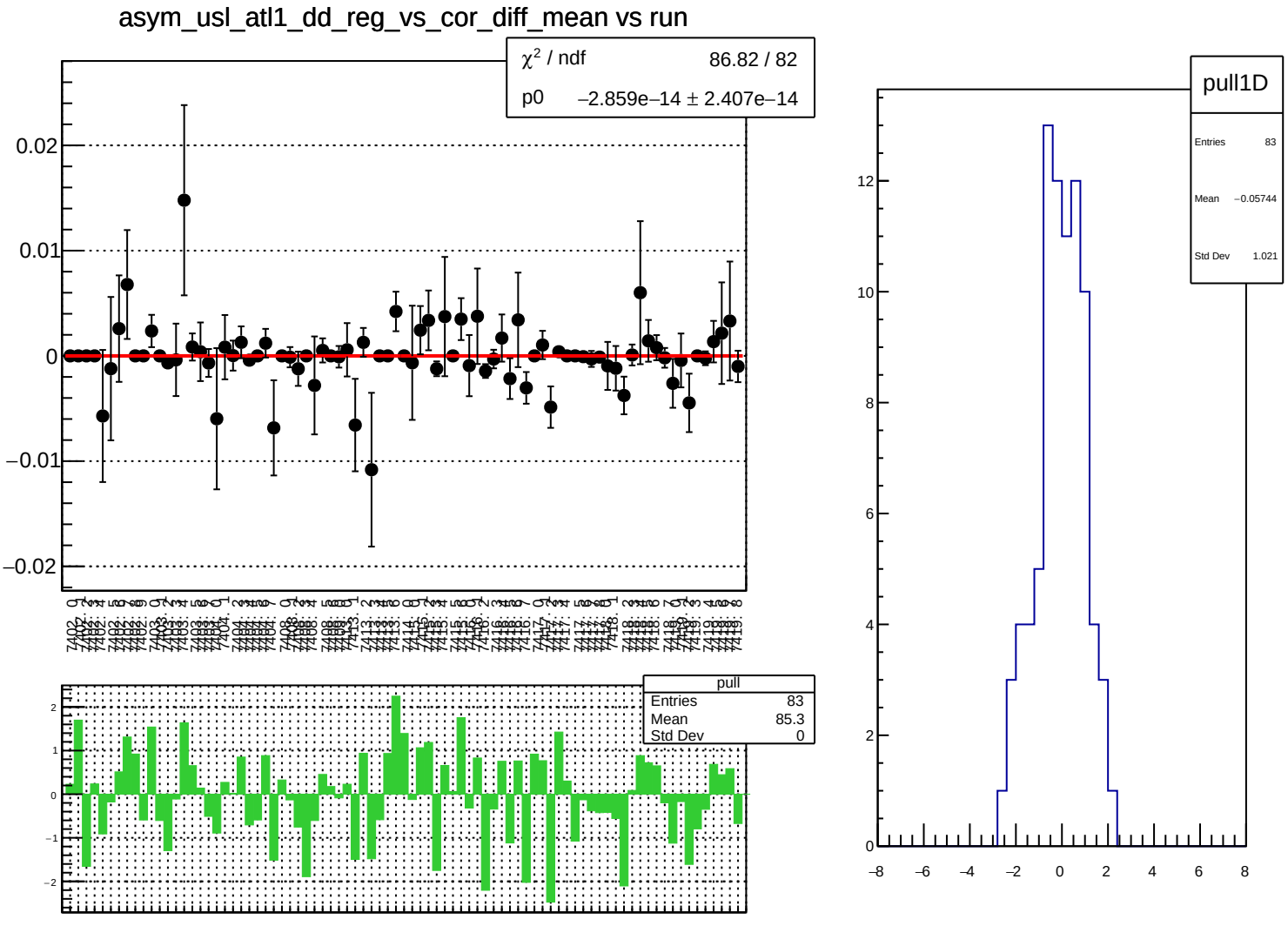

pull1D
Entries 83
Mean −0.002635
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

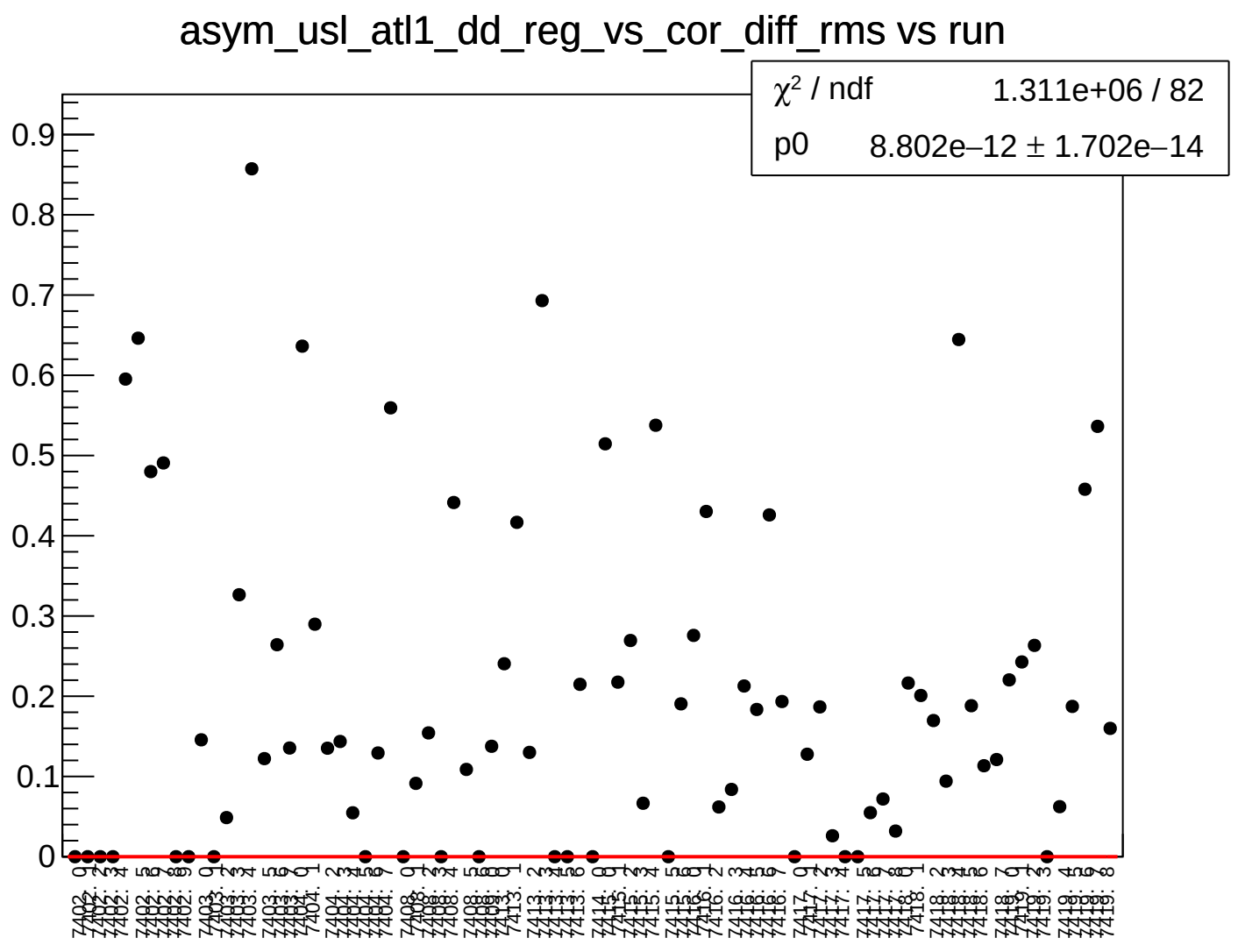

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4613 / 82
p0 768 ± 0.6121
880
860
840
820
800
780
760
740
720
700

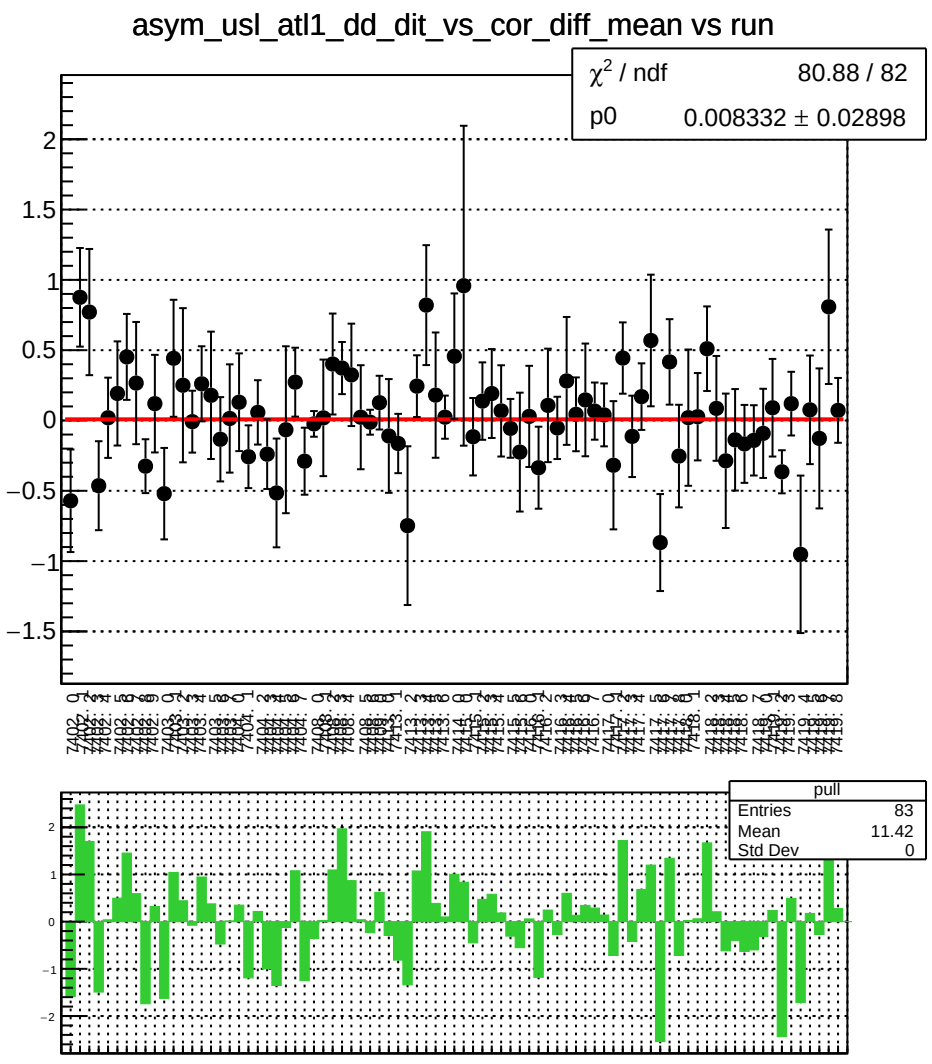

asym_usl_atl1_dd_mean vs run
χ² / ndf 61.39 / 82
p0 −330.4 ± 1504
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −53.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

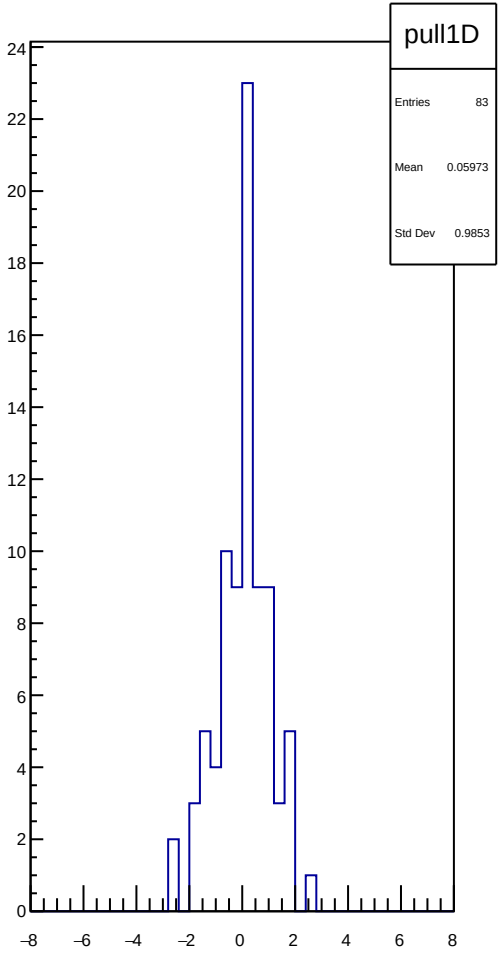

pull1D
Entries 83
Mean 0.01719
Std Dev 0.8599
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

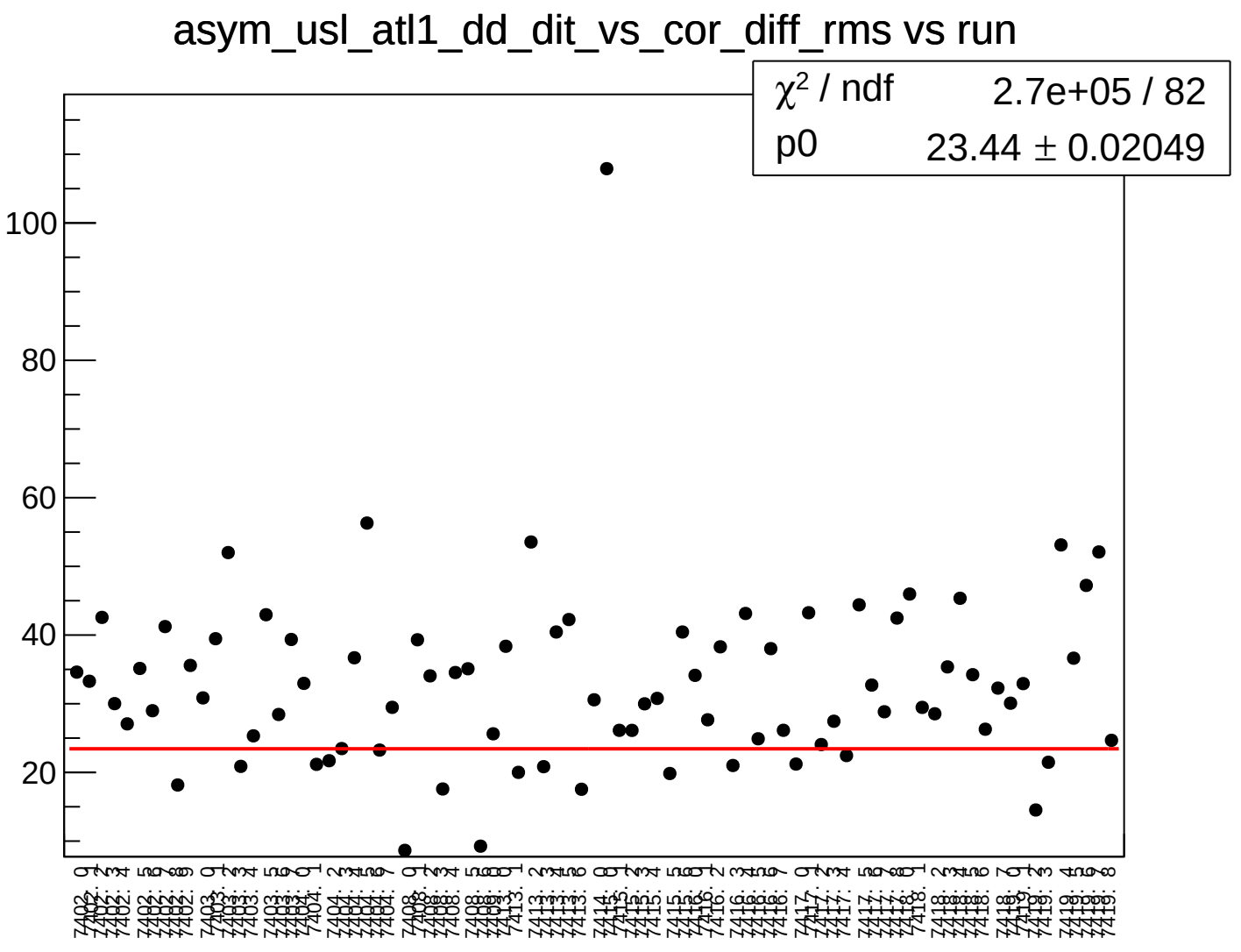

asym_usl_atl1_dd_rms vs run
χ² / ndf 820.4 / 82
p0 1336 ± 1.064
1420
1400
1380
1360
1340
1320
1300
1280
1260

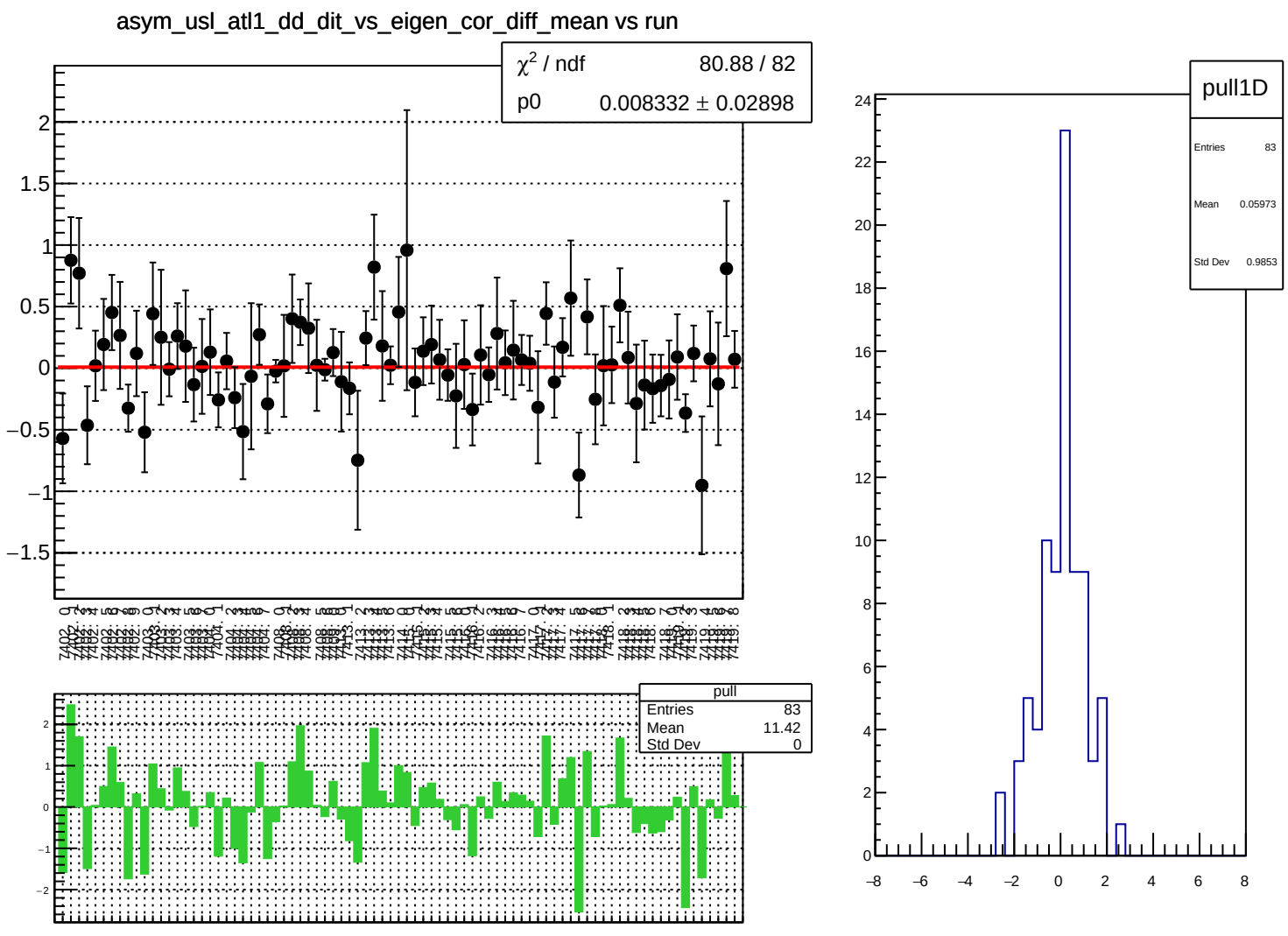

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 86.82 / 82
p0 −2.859e−14 ± 2.407e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 85.3
Std Dev 0
pull1D
Entries 83
Mean −0.05744
Std Dev 1.021

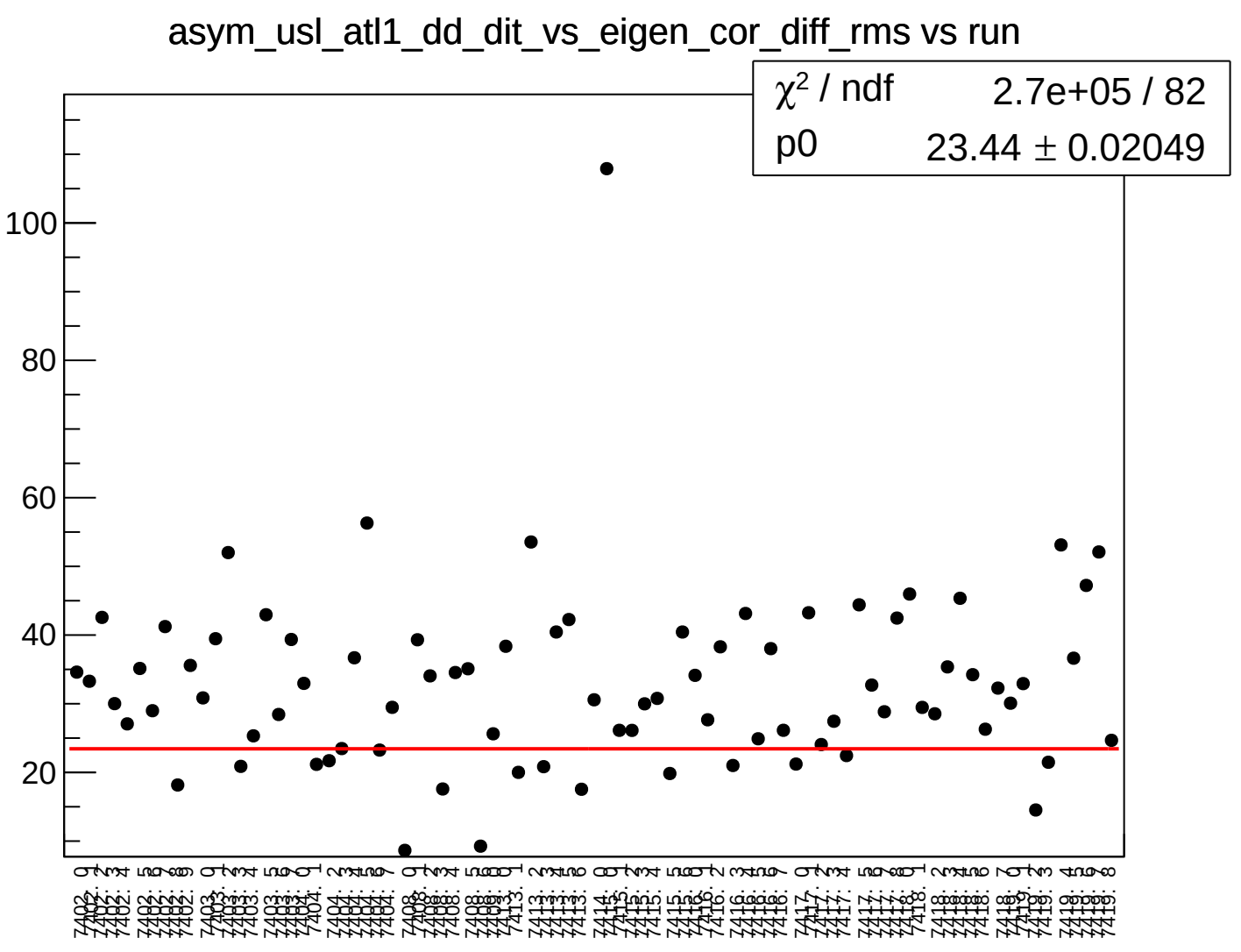

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.311e+06 / 82
p0 8.802e−12 ± 1.702e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

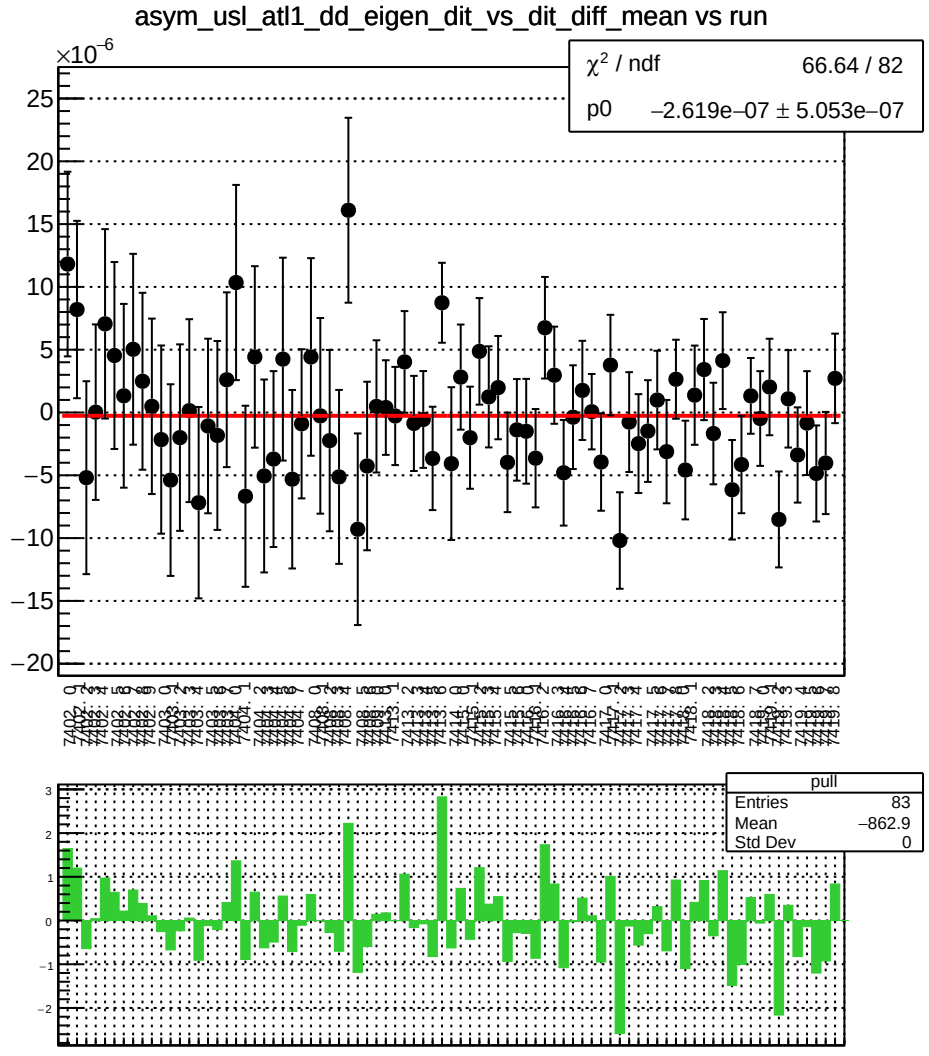

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.88 / 82
p0 0.008332 ± 0.02898
pull
Entries 83
Mean 11.42
Std Dev 0

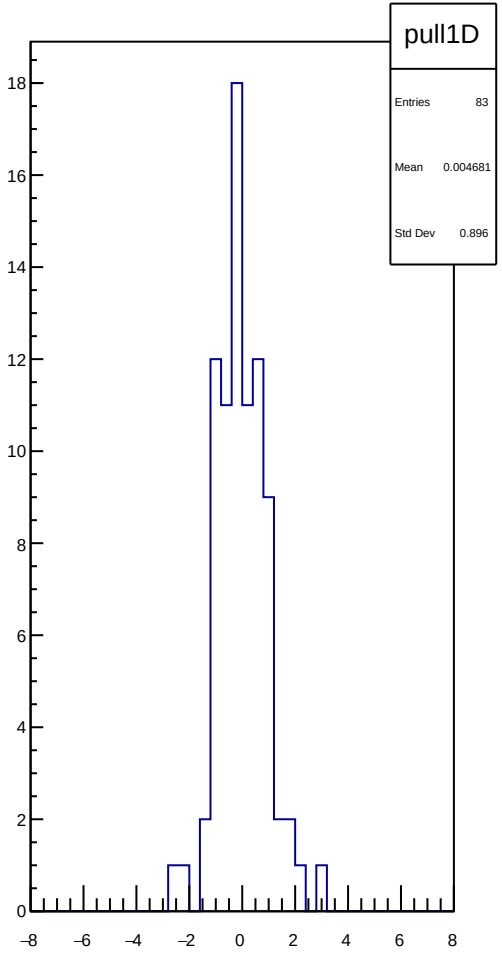

pull1D
Entries 83
Mean 0.05973
Std Dev 0.9853

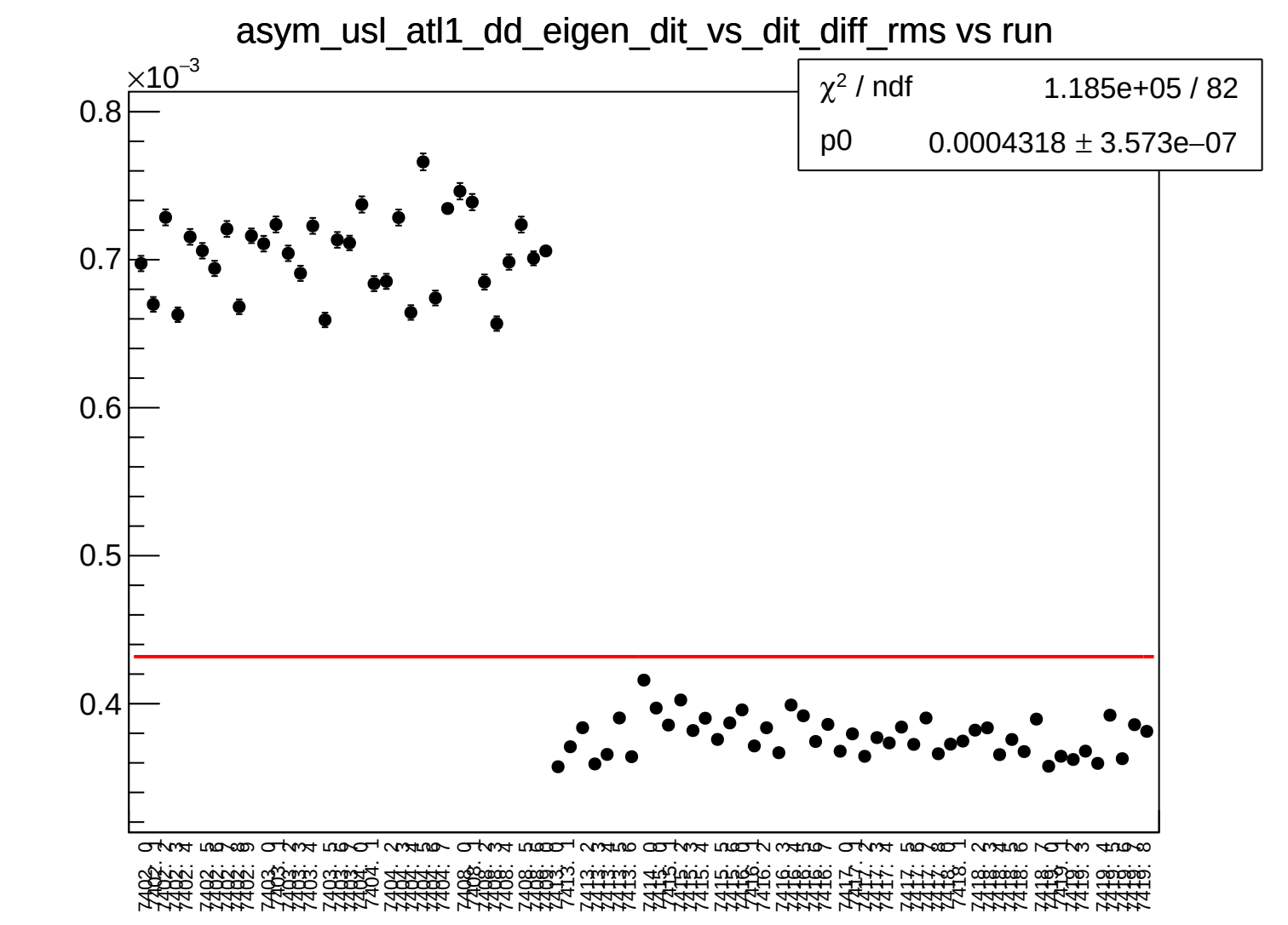

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.7e+05 / 82
p0 23.44 ± 0.02049
100
80
60
40
20

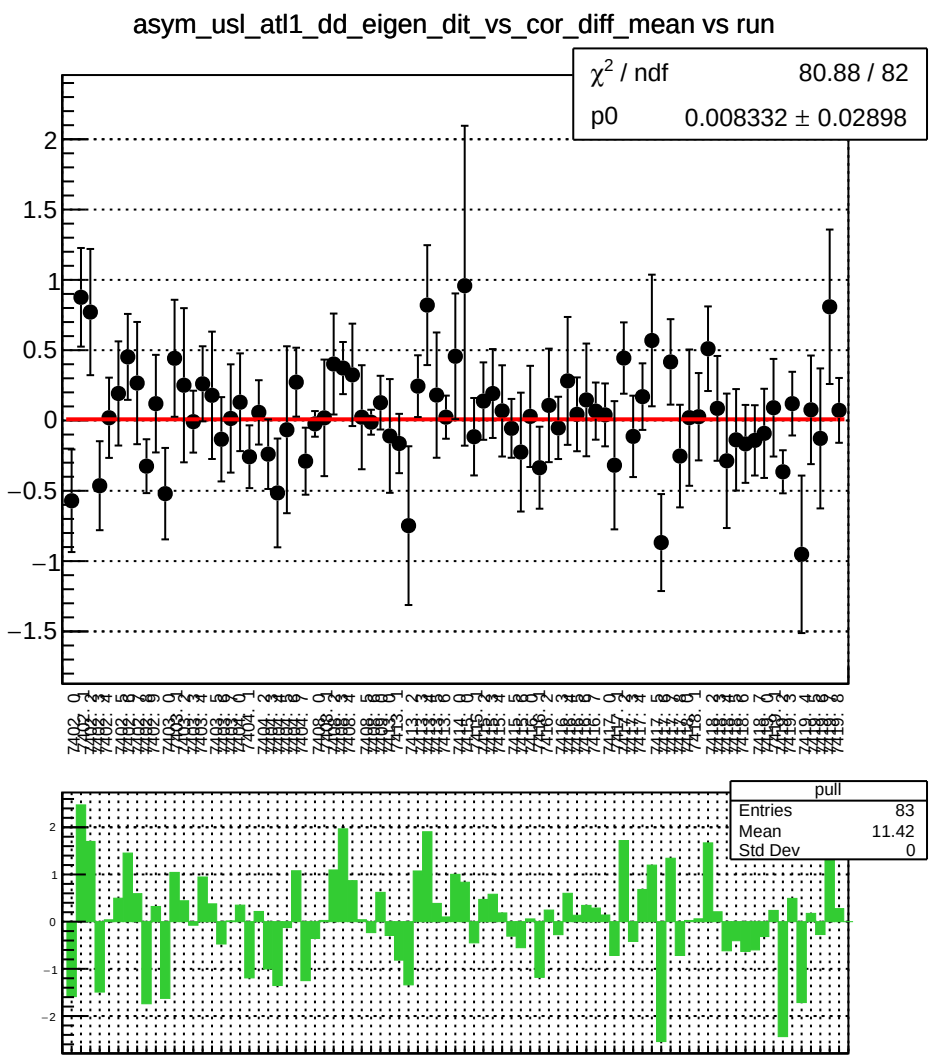

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.88 / 82
p0 0.008332 ± 0.02898
pull
Entries 83
Mean 11.42
Std Dev 0
pull1D
Entries 83
Mean 0.05973
Std Dev 0.9853

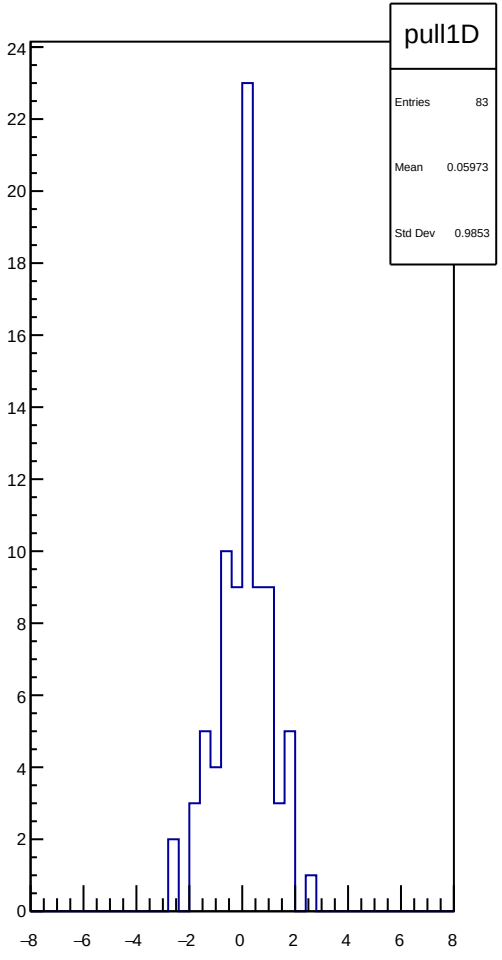

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.7e+05 / 82
p0 23.44 ± 0.02049
100
80
60
40
20

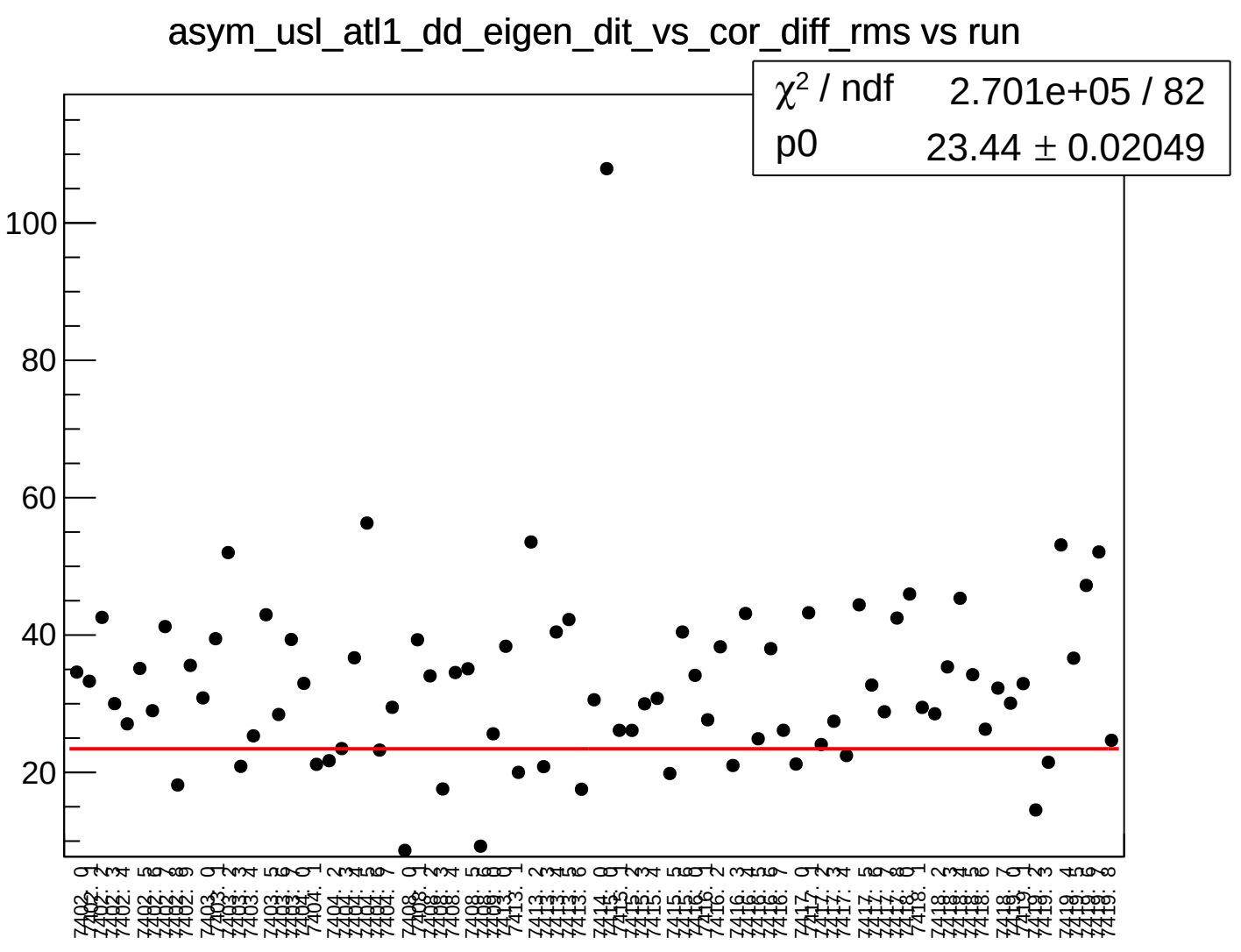

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 66.64 / 82
p0 −2.619e−07 ± 5.053e−07
pull
Entries 83
Mean −862.9
Std Dev 0

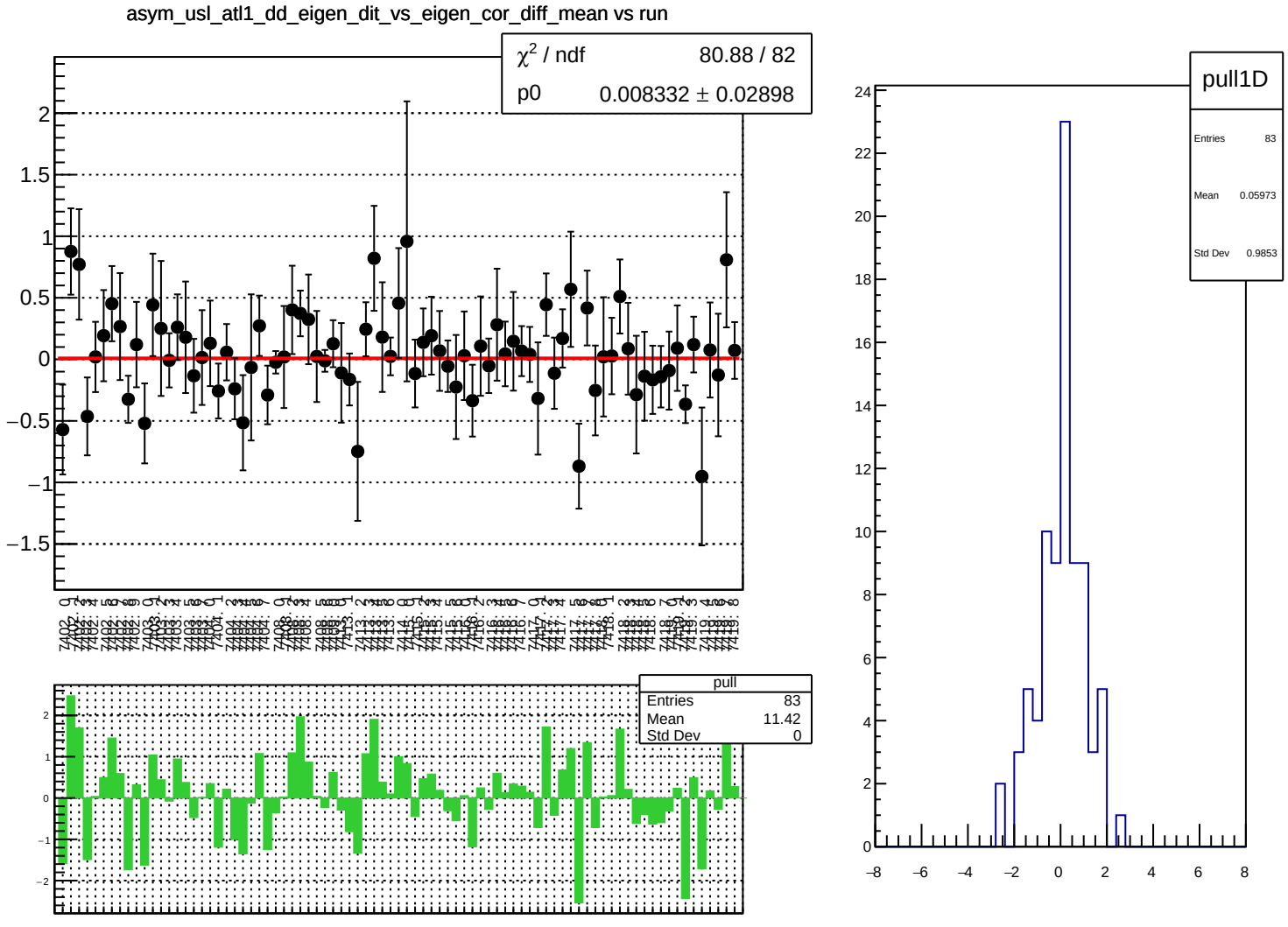

pull1D
Entries 83
Mean 0.004681
Std Dev 0.896

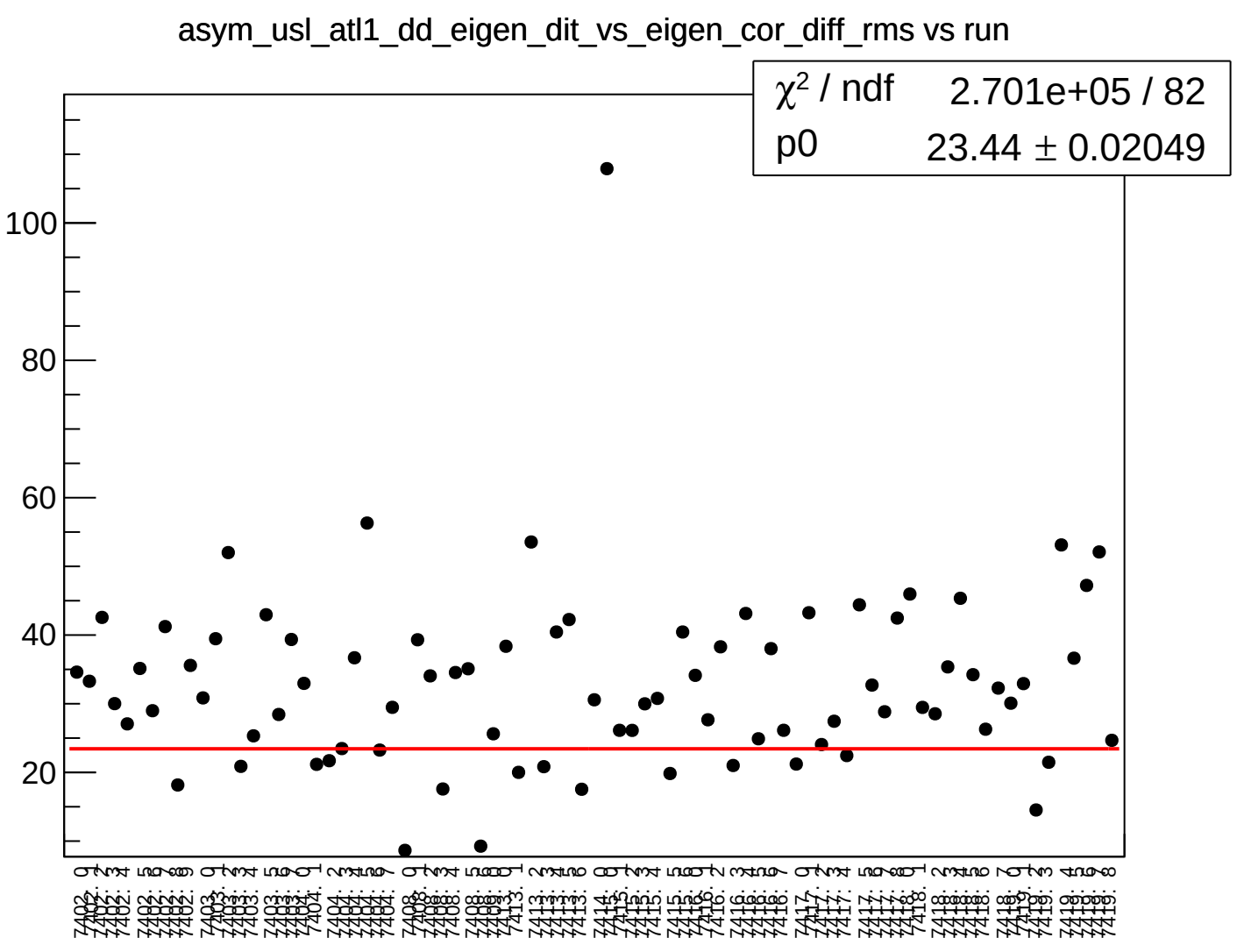

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
0.8
0.7
0.6
0.5
0.4
χ² / ndf 1.185e+05 / 82
p0 0.0004318 ± 3.573e−07

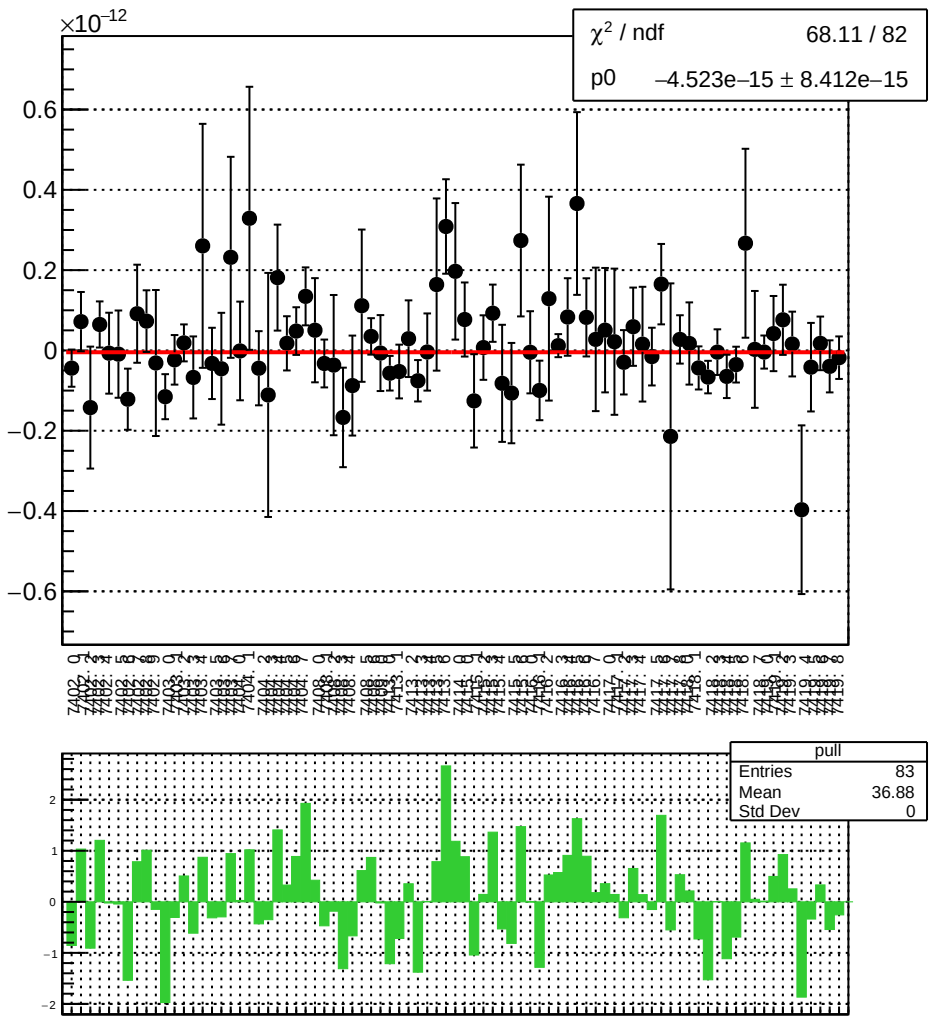

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.88 / 82
p0 0.008332 ± 0.02898
pull
Entries 83
Mean 11.42
Std Dev 0

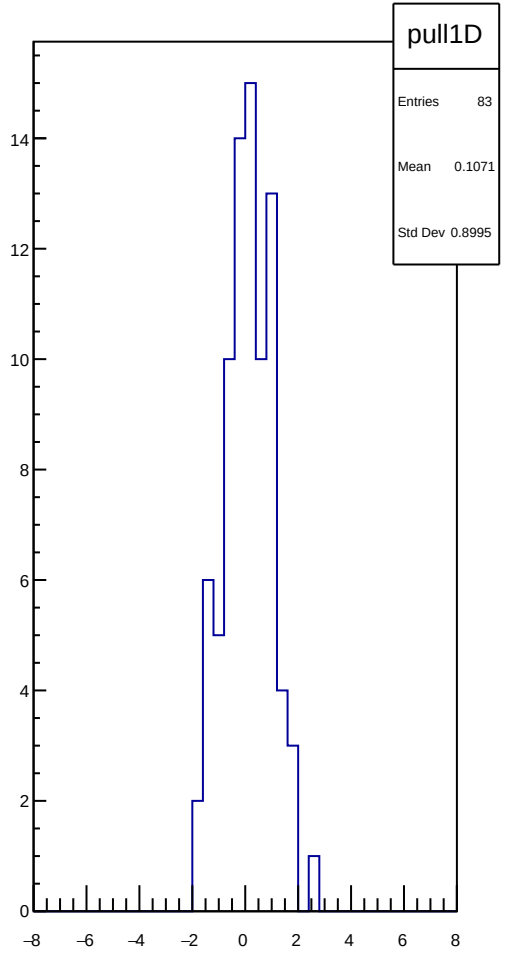

pull1D
Entries 83
Mean 0.05973
Std Dev 0.9853

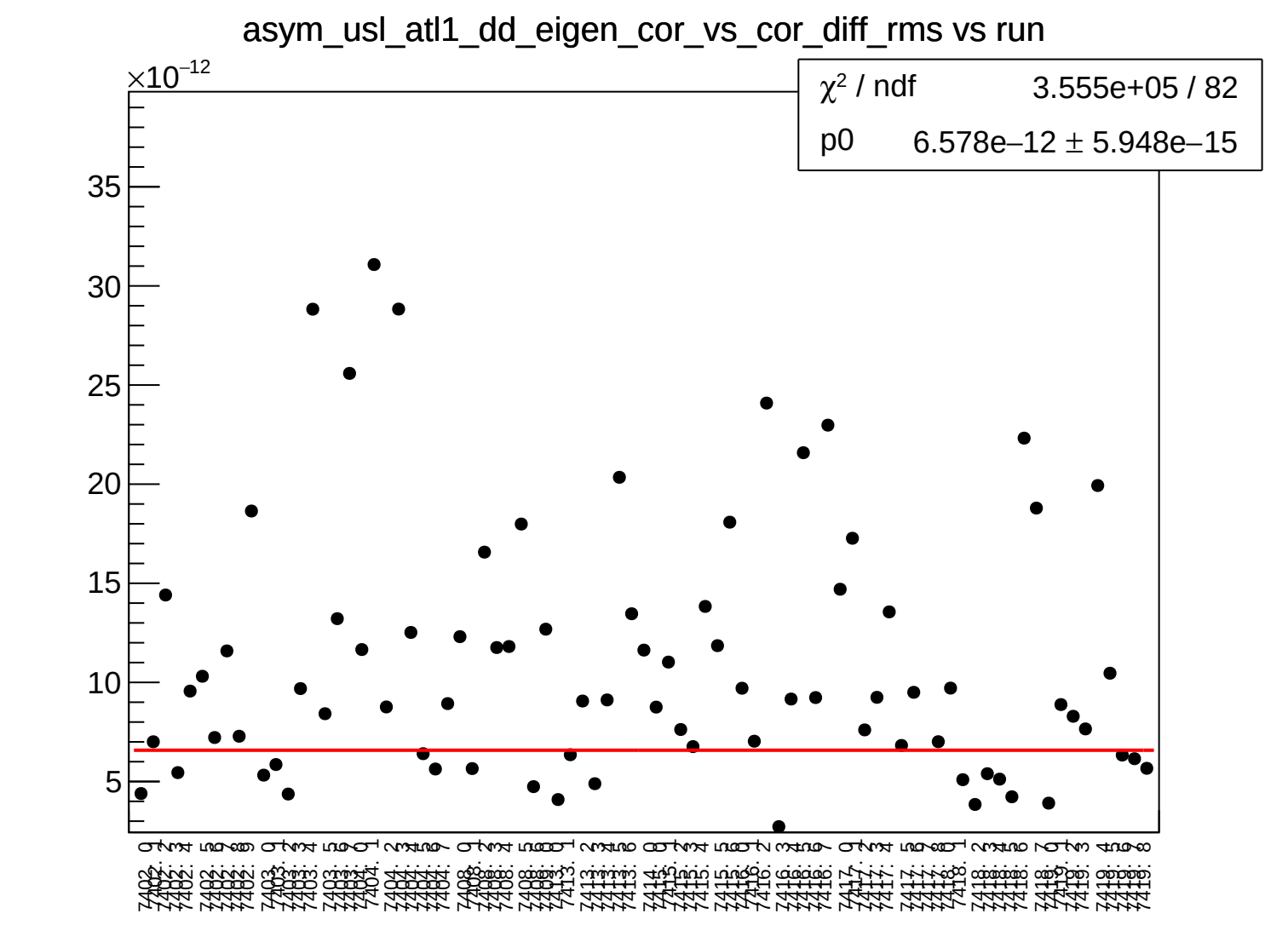

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.701e+05 / 82
p0 23.44 ± 0.02049
100
80
60
40
20

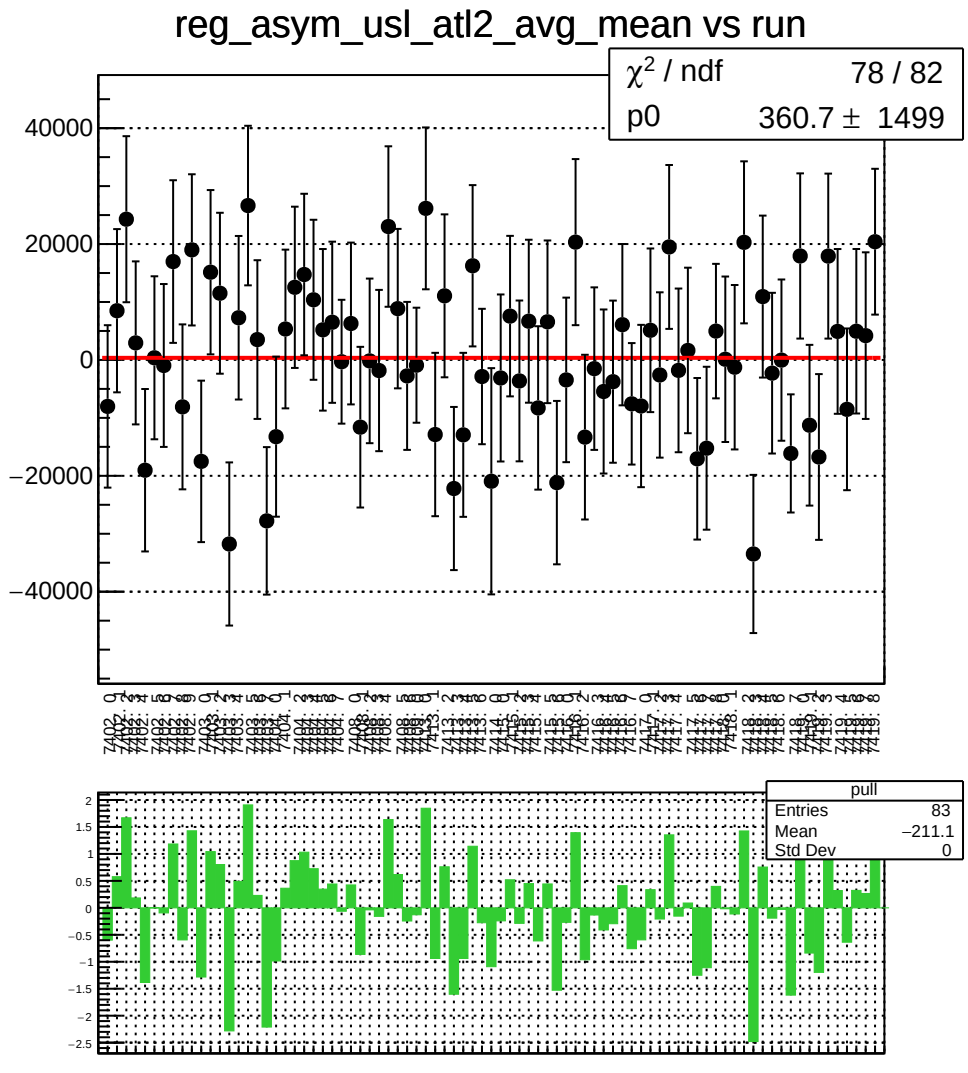

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.88 / 82
p0 0.008332 ± 0.02898
pull
Entries 83
Mean 11.42
Std Dev 0
pull1D
Entries 83
Mean 0.05973
Std Dev 0.9853

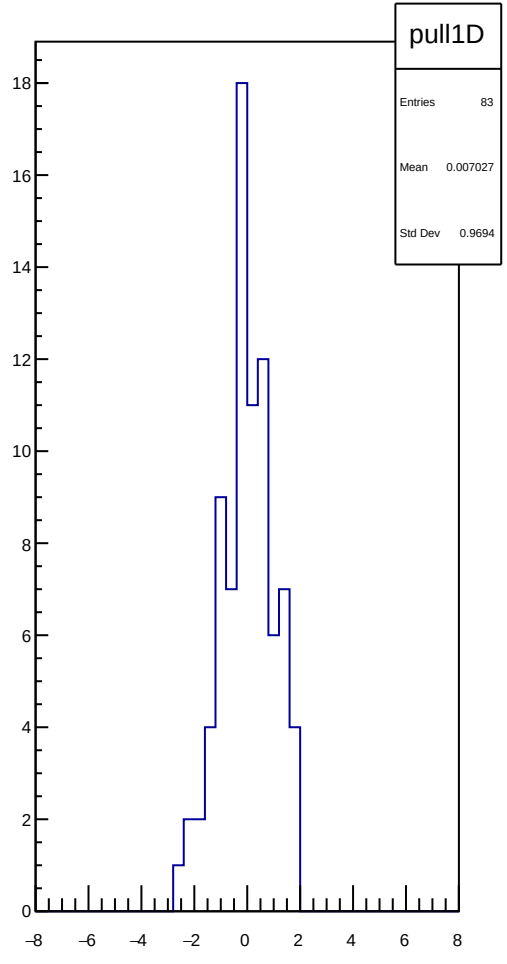

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.701e+05 / 82
p0 23.44 ± 0.02049
100
80
60
40
20

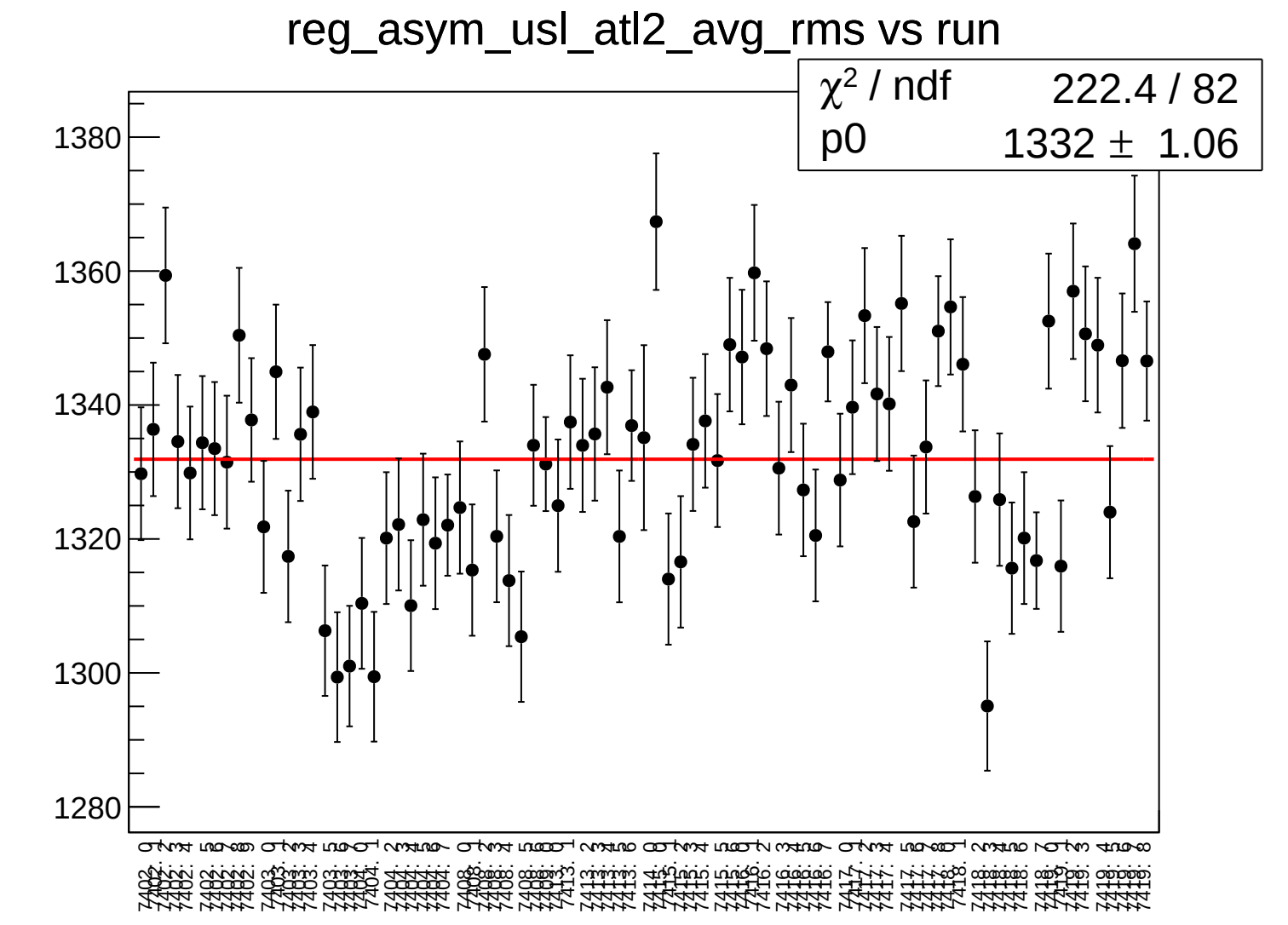

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.11 / 82
p0 −4.523e−15 ± 8.412e−15
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 83
Mean 36.88
Std Dev 0
2
1
0
−1
−2

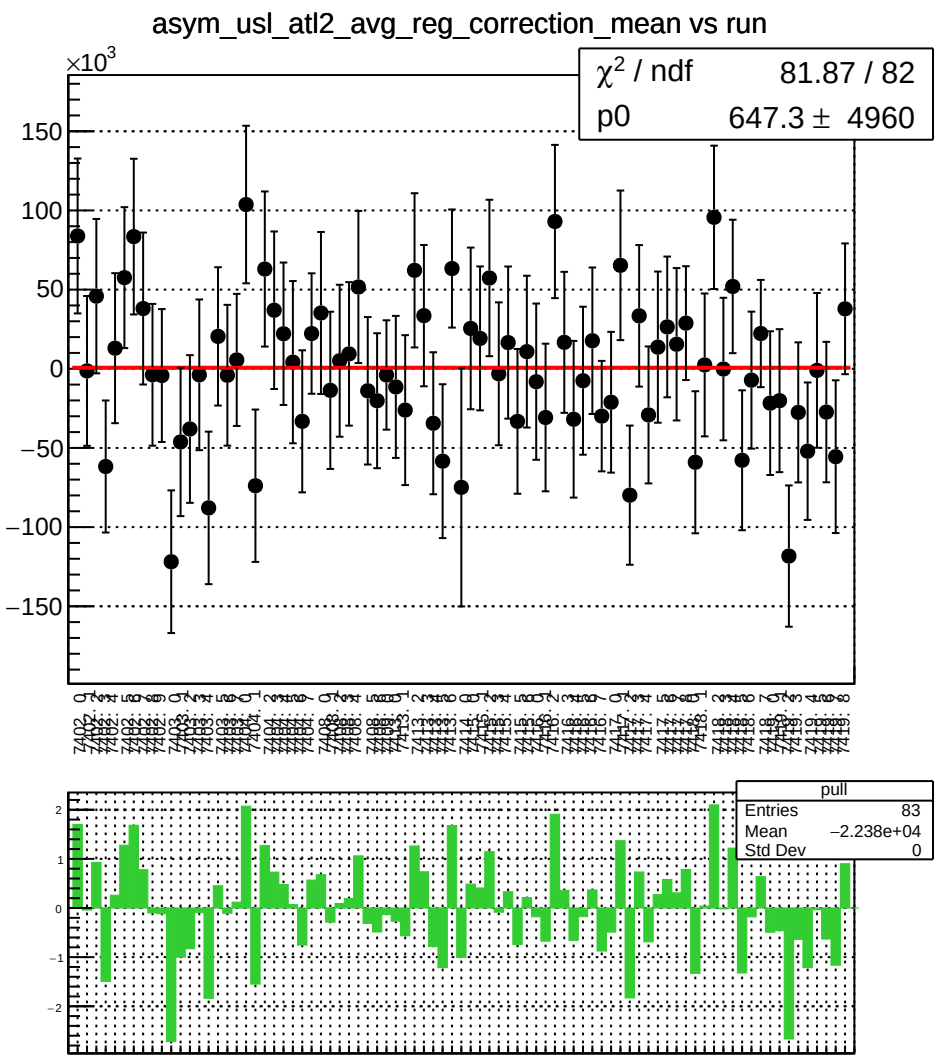

pull1D
Entries 83
Mean 0.1071
Std Dev 0.8995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

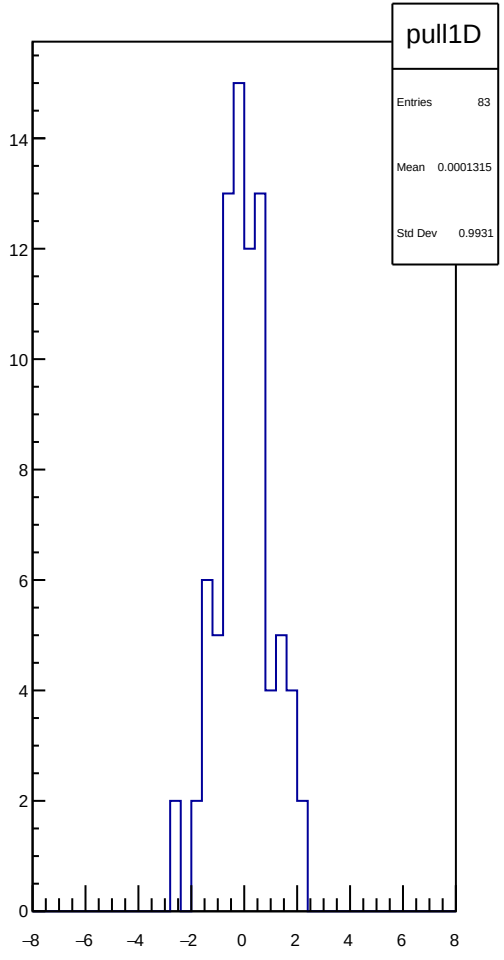

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.555e+05 / 82
p0 6.578e−12 ± 5.948e−15
35
30
25
20
15
10
5

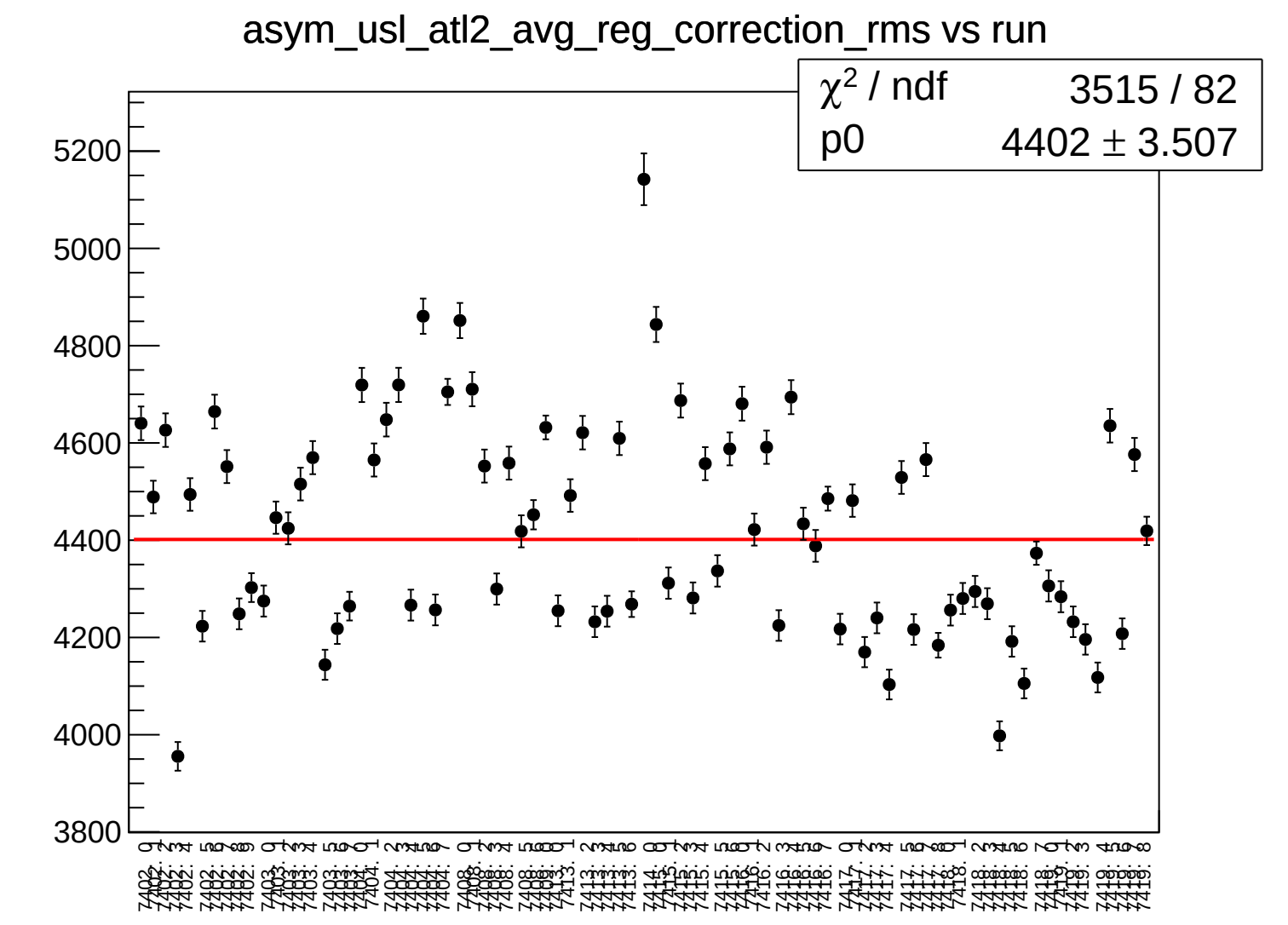

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 78 / 82
p0 360.7 ± 1499
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −211.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

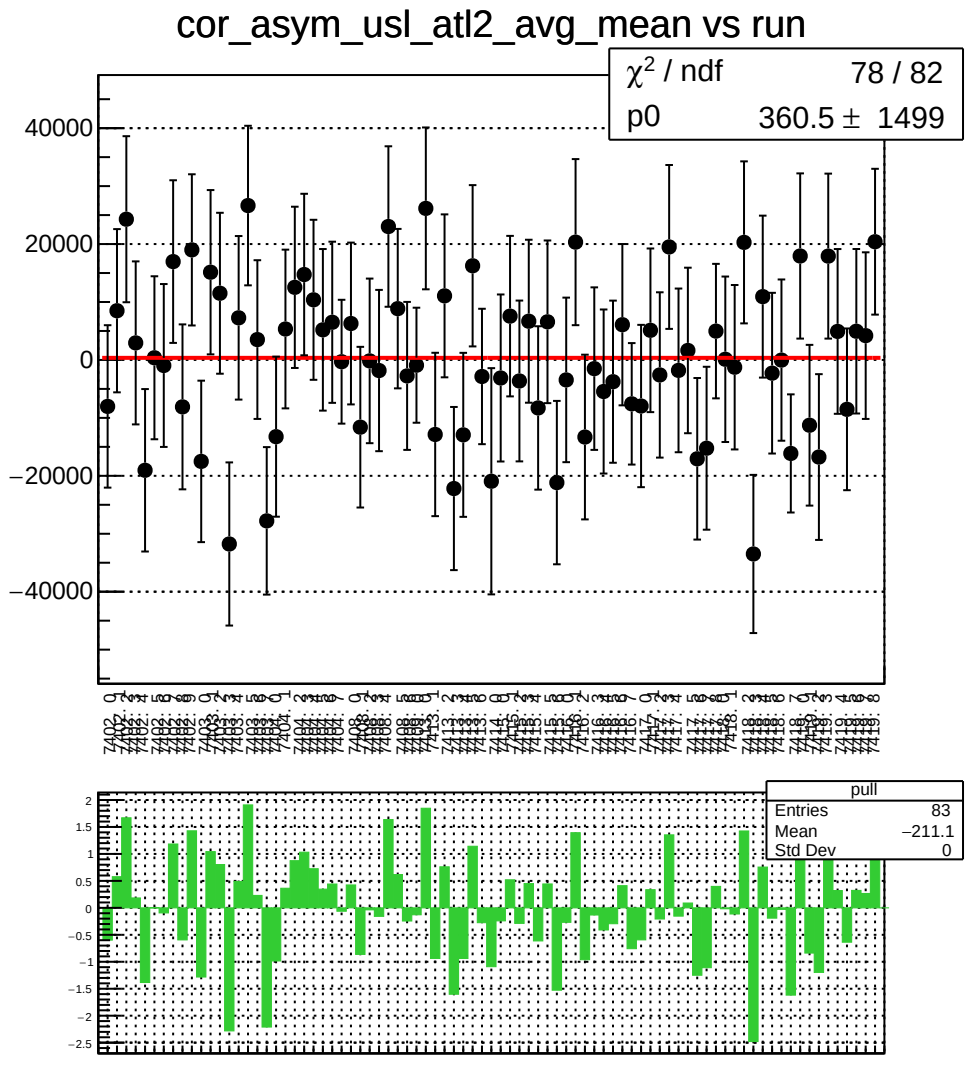

pull1D
Entries 83
Mean 0.007027
Std Dev 0.9694
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

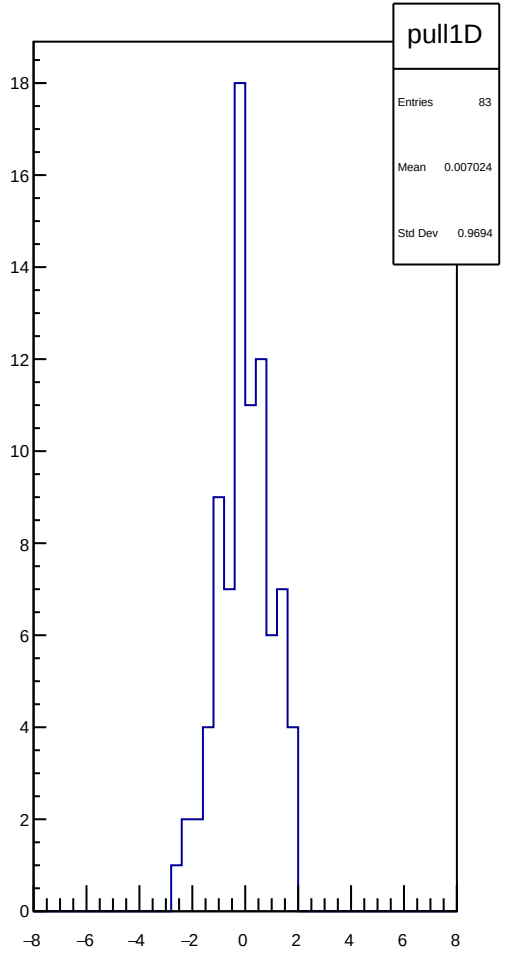

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 222.4 / 82
p0 1332 ± 1.06
1380
1360
1340
1320
1300
1280

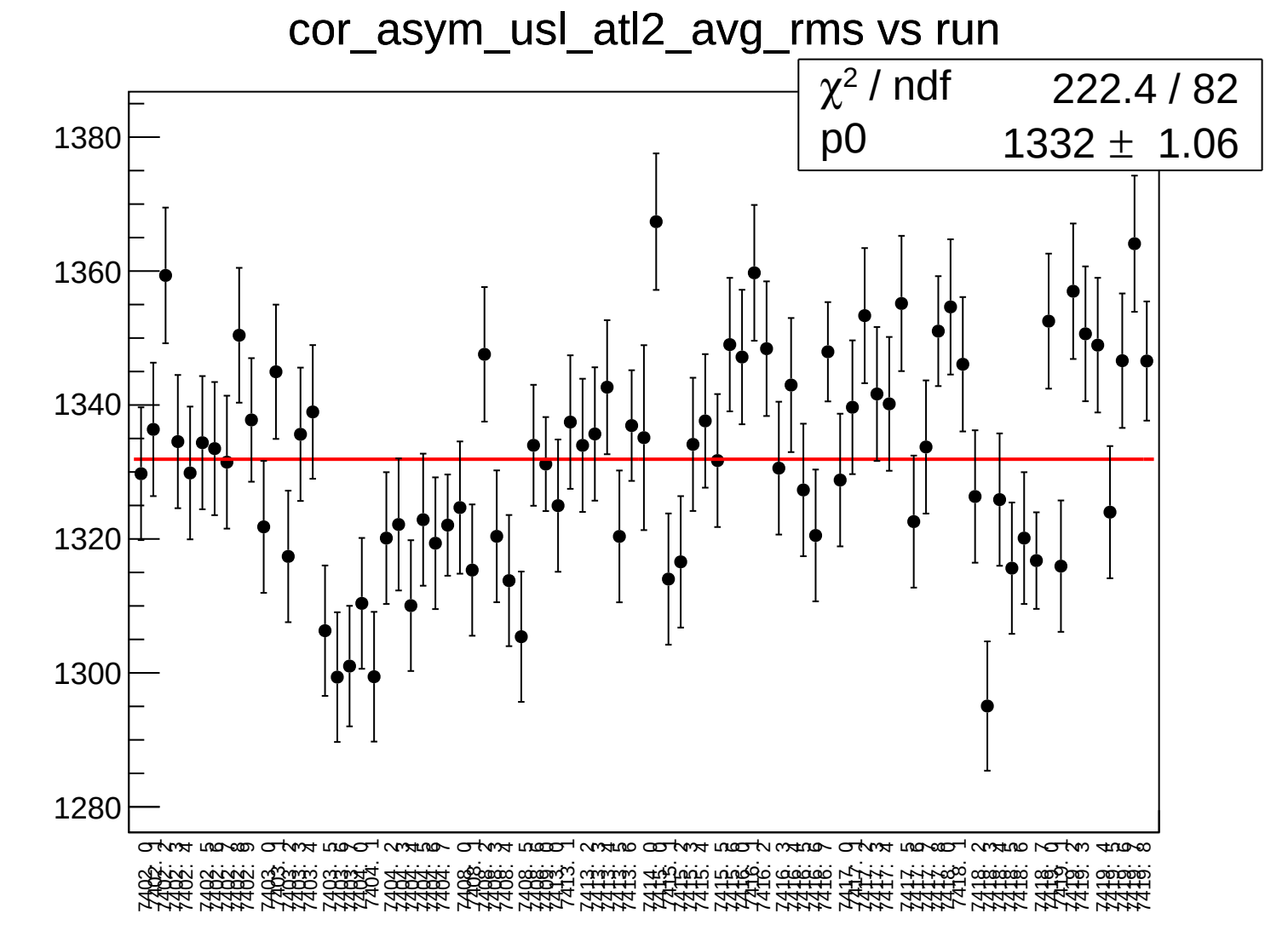

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.87 / 82
p0 647.3 ± 4960
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −2.238e+04
Std Dev 0
2
1
0
−1
−2

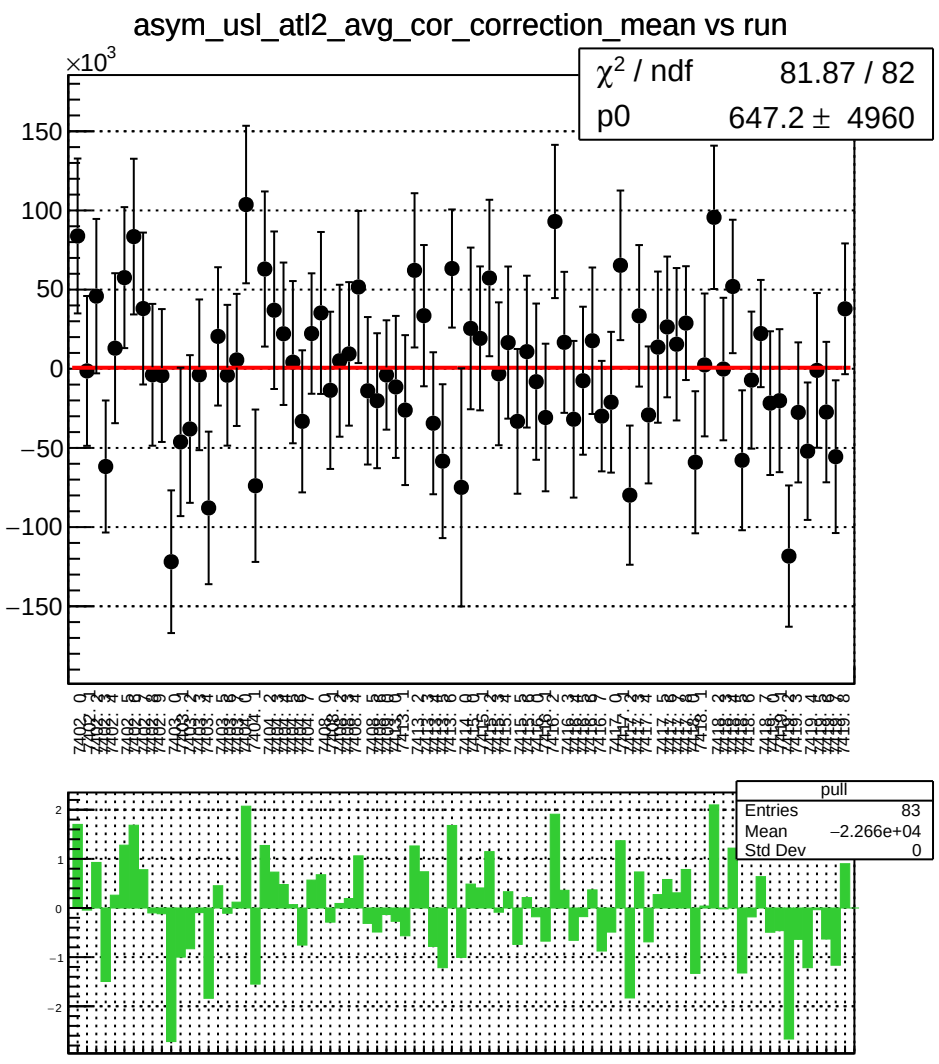

pull1D
Entries 83
Mean 0.0001315
Std Dev 0.9931
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

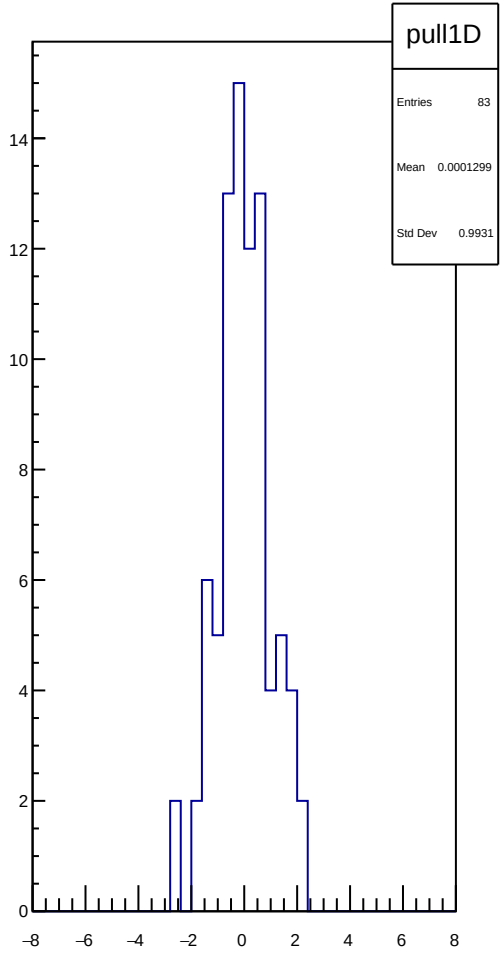

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 3515 / 82
p0 4402 ± 3.507
5200
5000
4800
4600
4400
4200
4000
3800

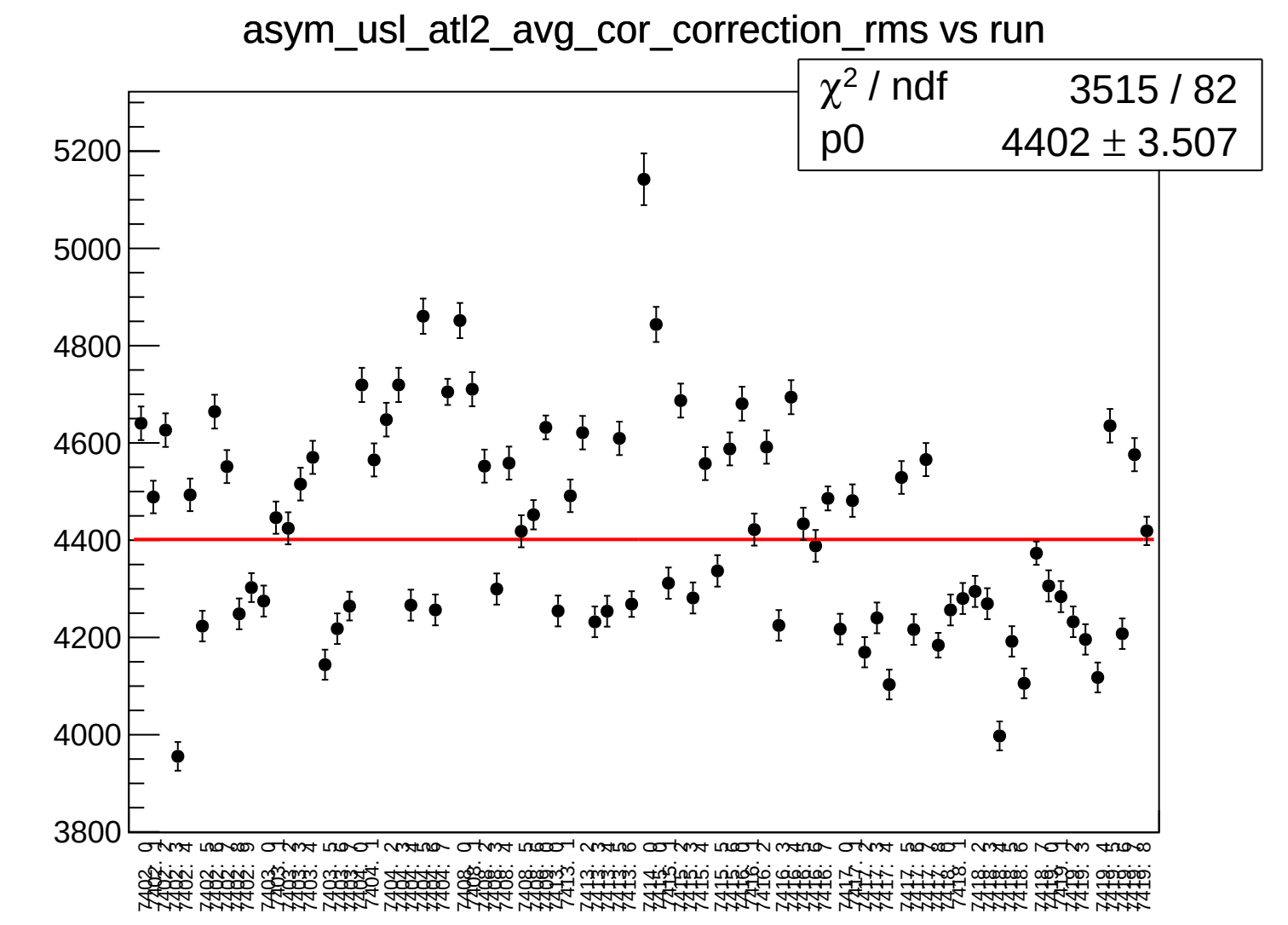

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 78 / 82
p0 360.5 ± 1499
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −211.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

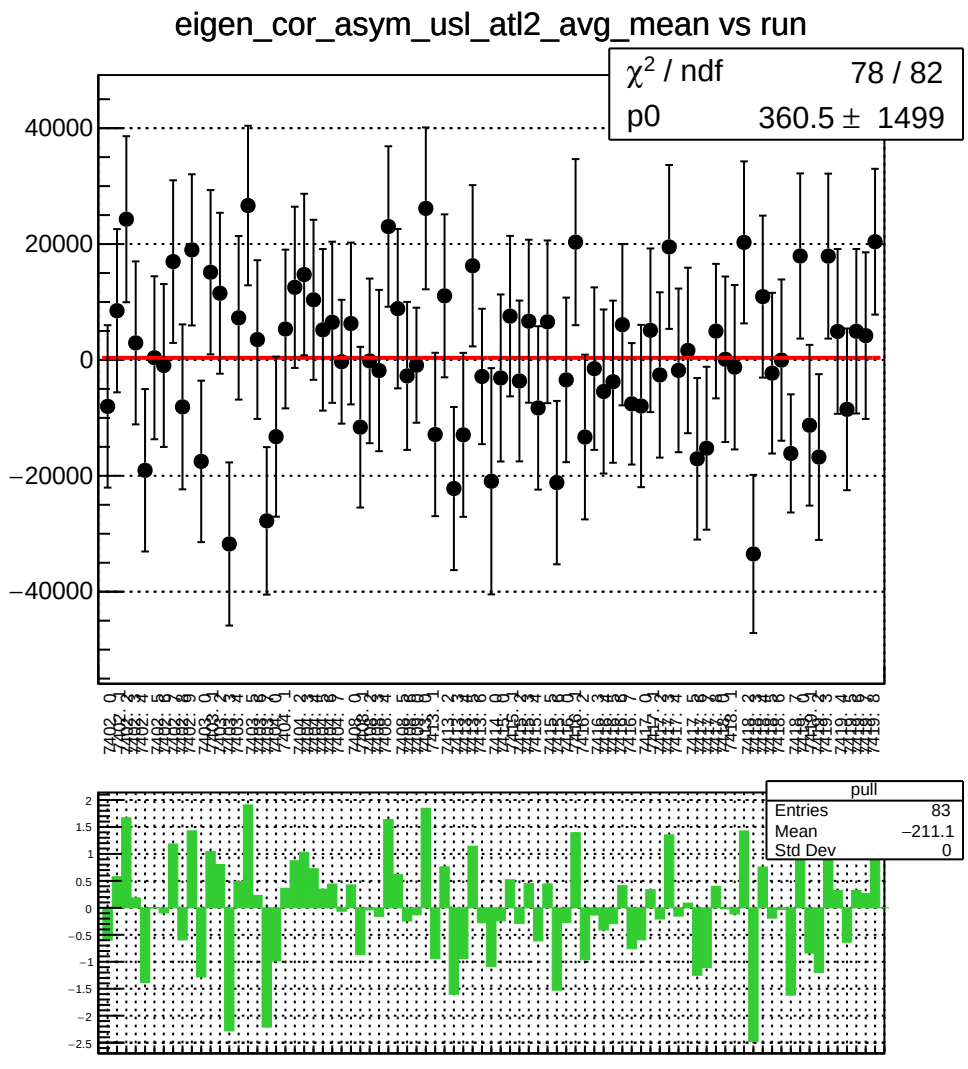

pull1D
Entries 83
Mean 0.007024
Std Dev 0.9694
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

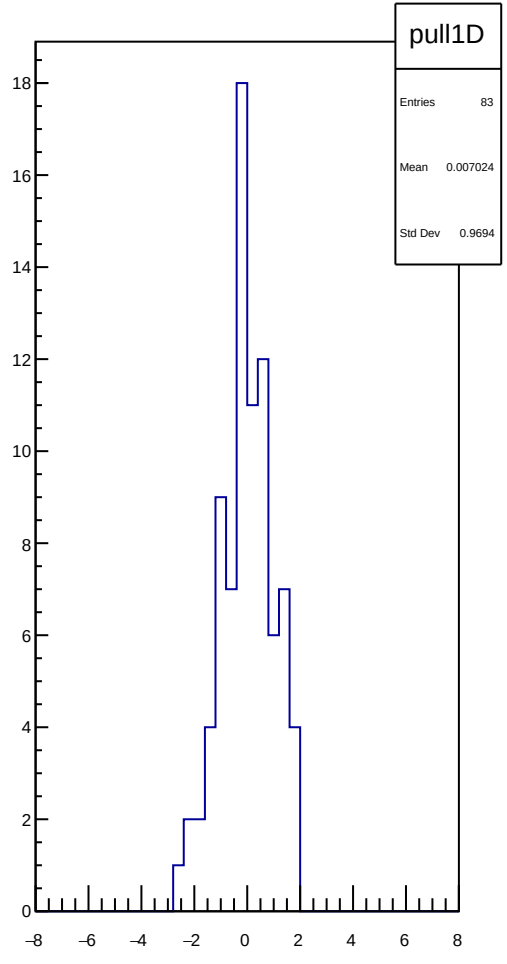

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 222.4 / 82
p0 1332 ± 1.06
1380
1360
1340
1320
1300
1280

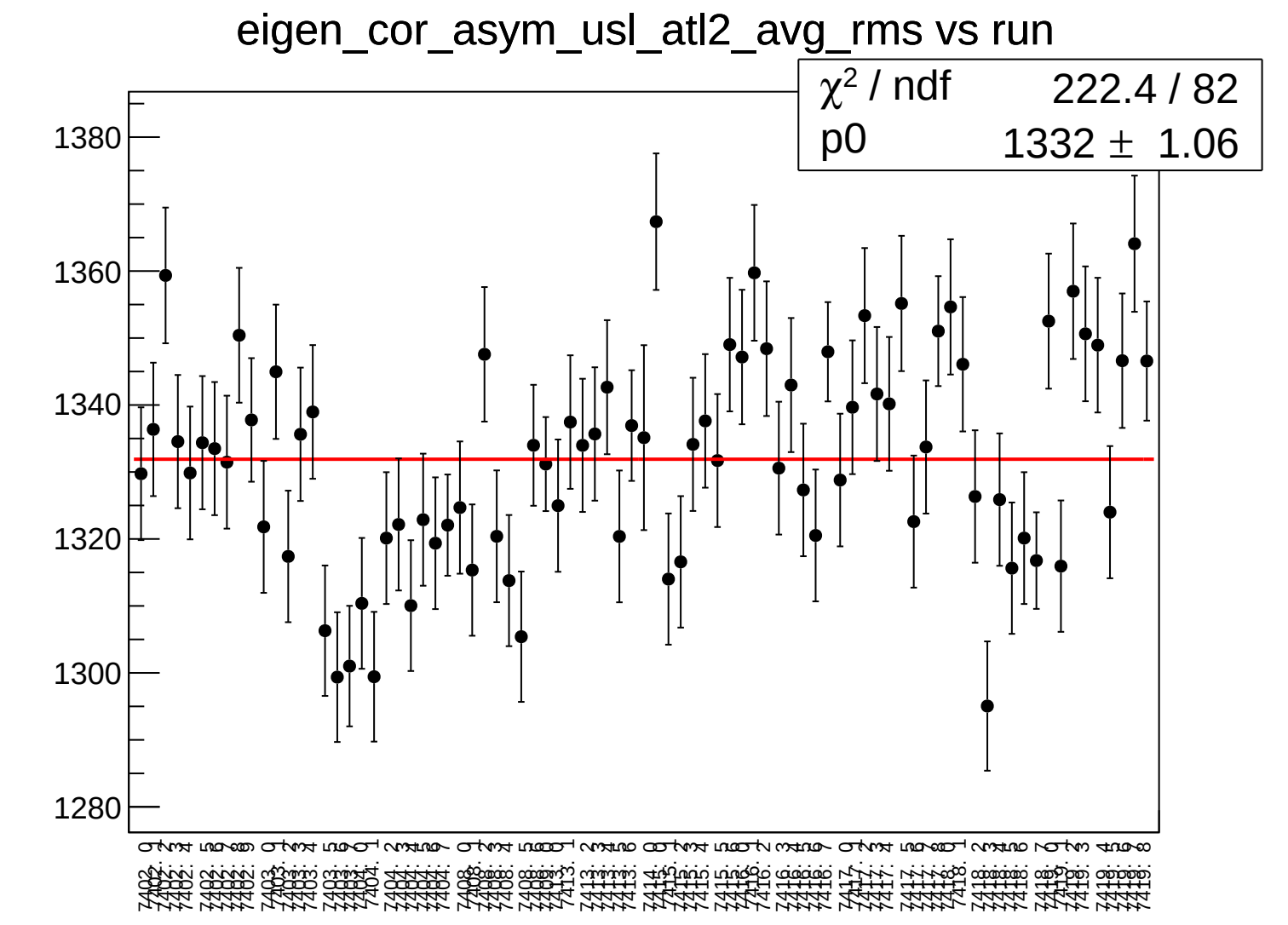

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.87 / 82
p0 647.2 ± 4960
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −2.266e+04
Std Dev 0
2
1
0
−1
−2

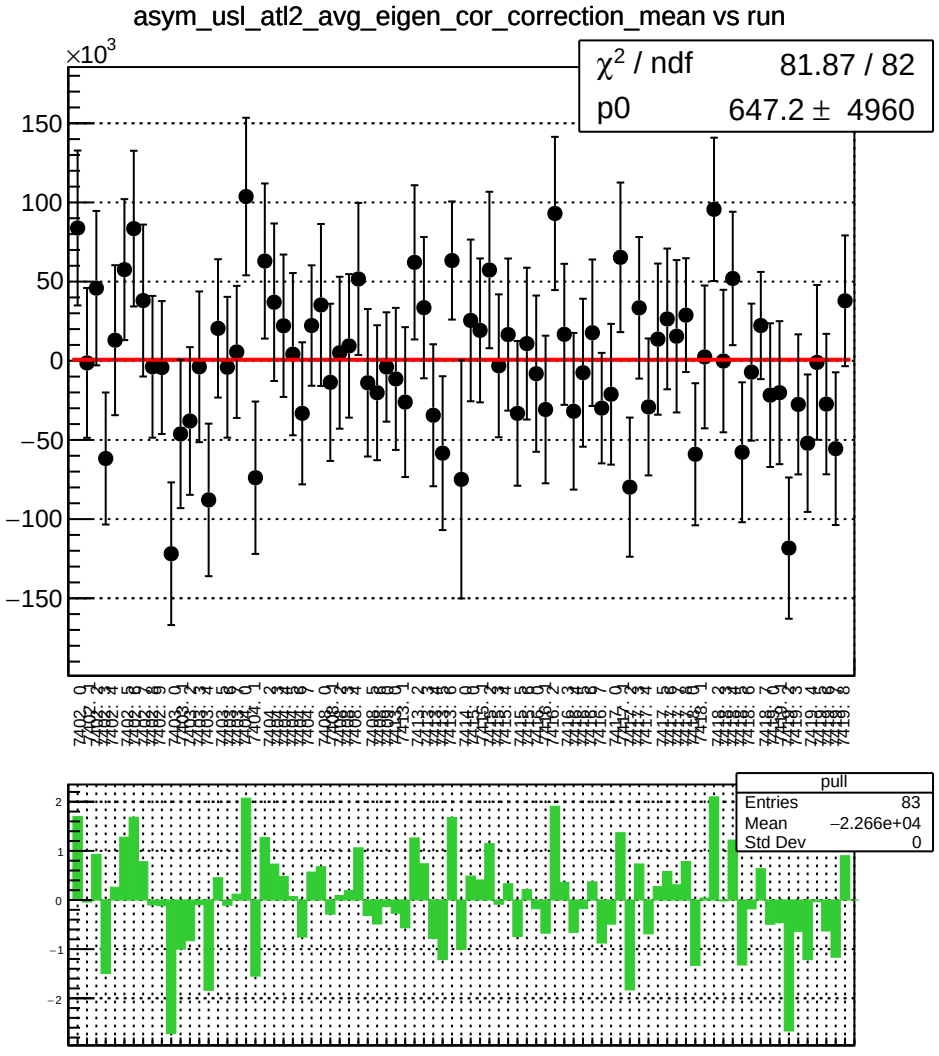

pull1D
Entries 83
Mean 0.0001299
Std Dev 0.9931
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

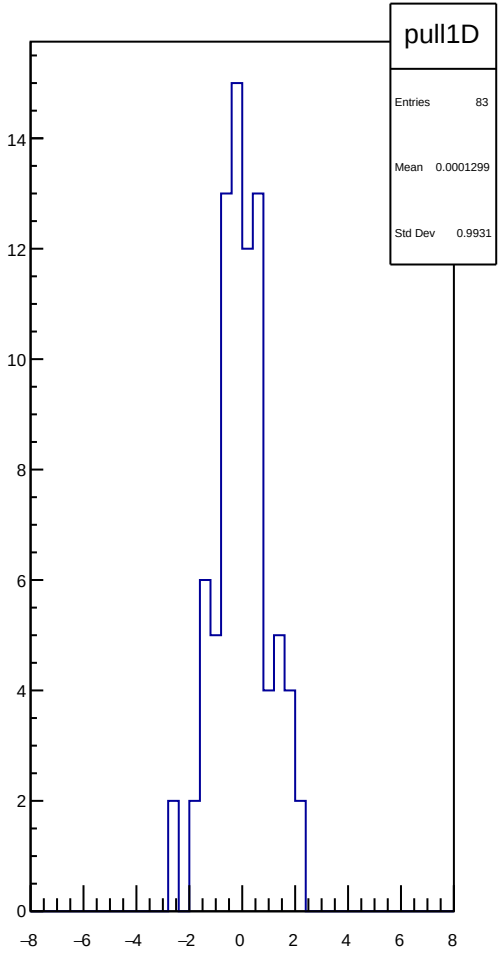

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 3515 / 82
p0 4402 ± 3.507
5200
5000
4800
4600
4400
4200
4000
3800

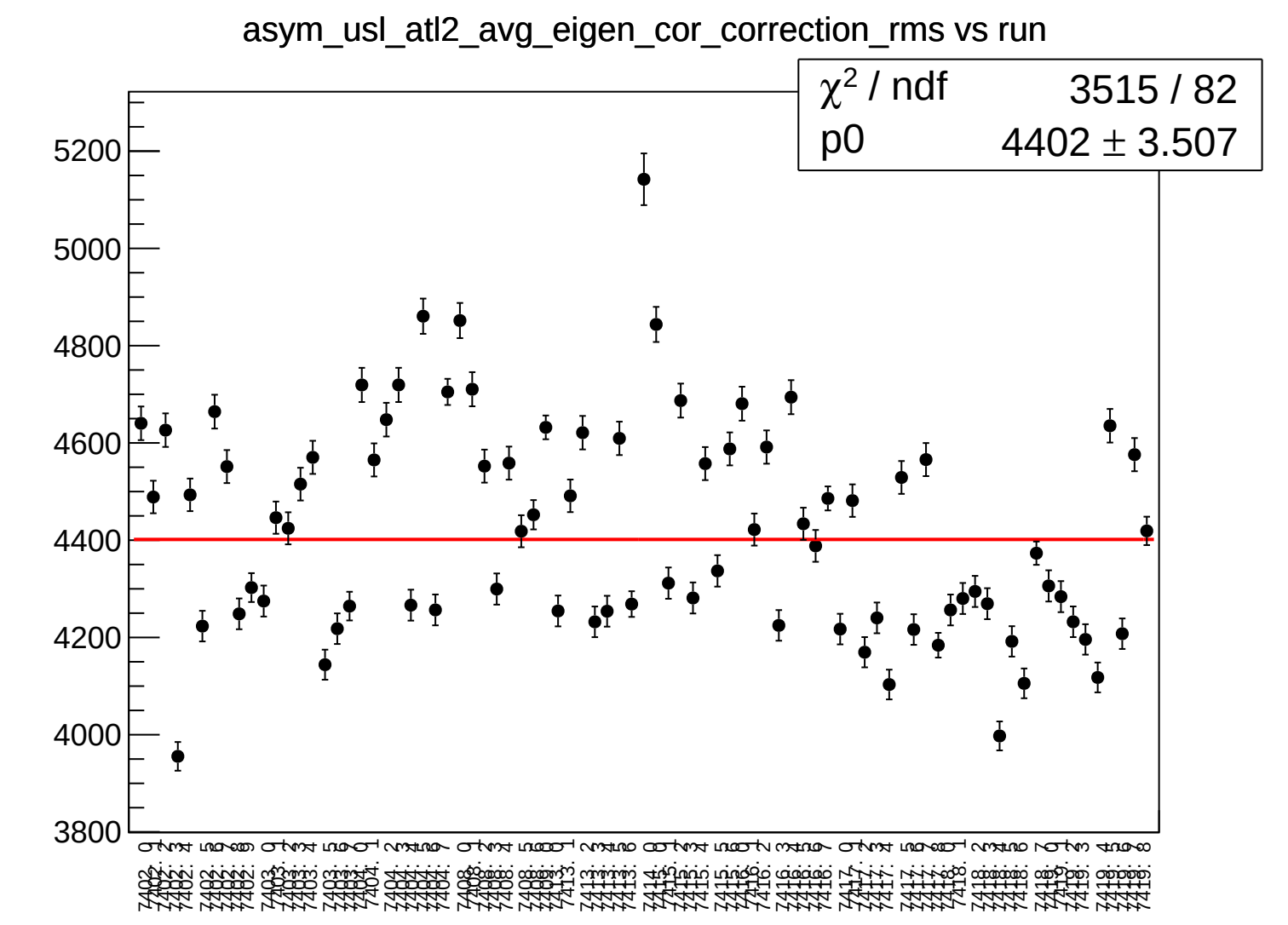

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 78 / 82
p0 360.5 ± 1499
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −211.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

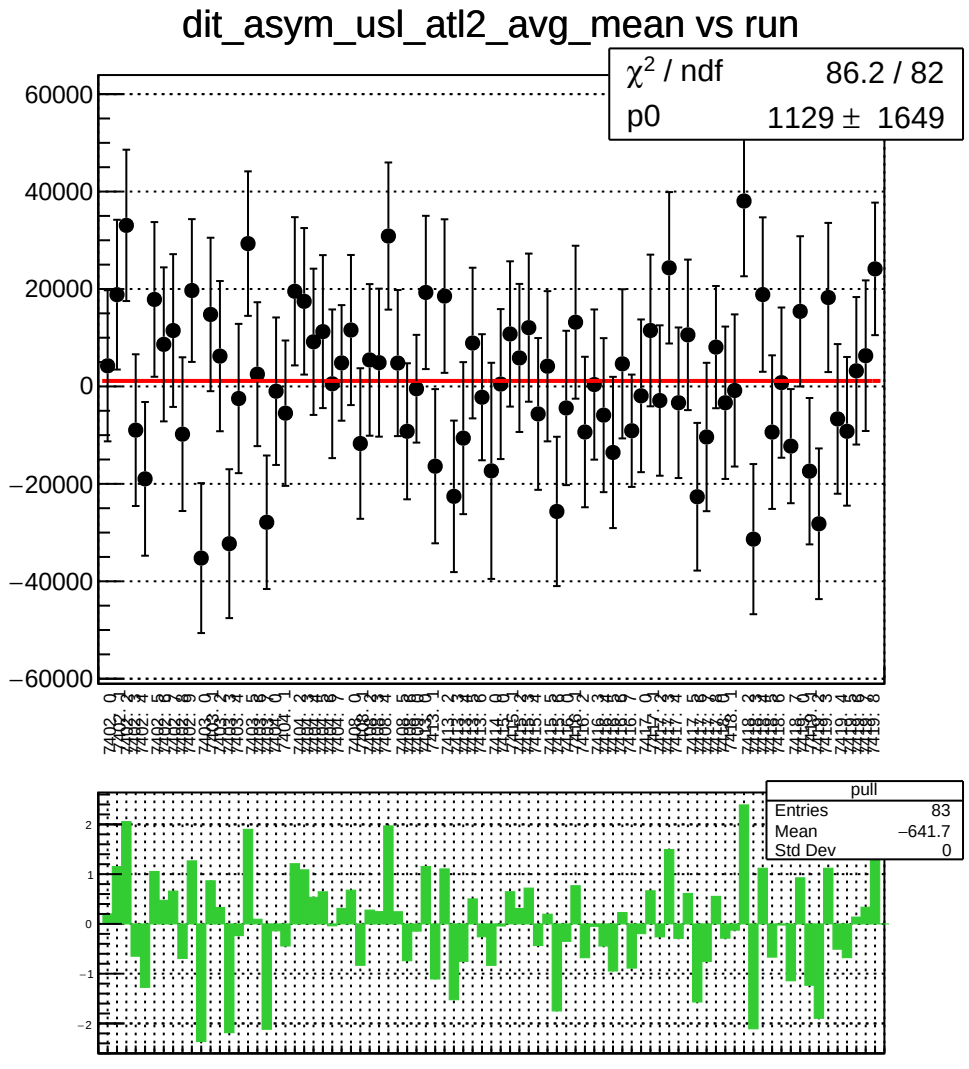

pull1D
Entries 83
Mean 0.007024
Std Dev 0.9694
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

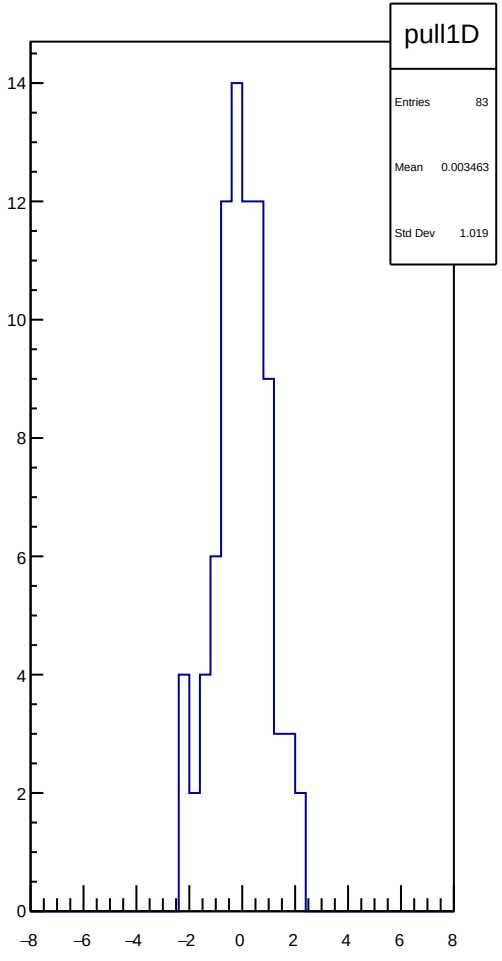

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 222.4 / 82
p0 1332 ± 1.06
1380
1360
1340
1320
1300
1280


asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.87 / 82
p0 647.2 ± 4960
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −2.266e+04
Std Dev 0
2
1
0
−1
−2

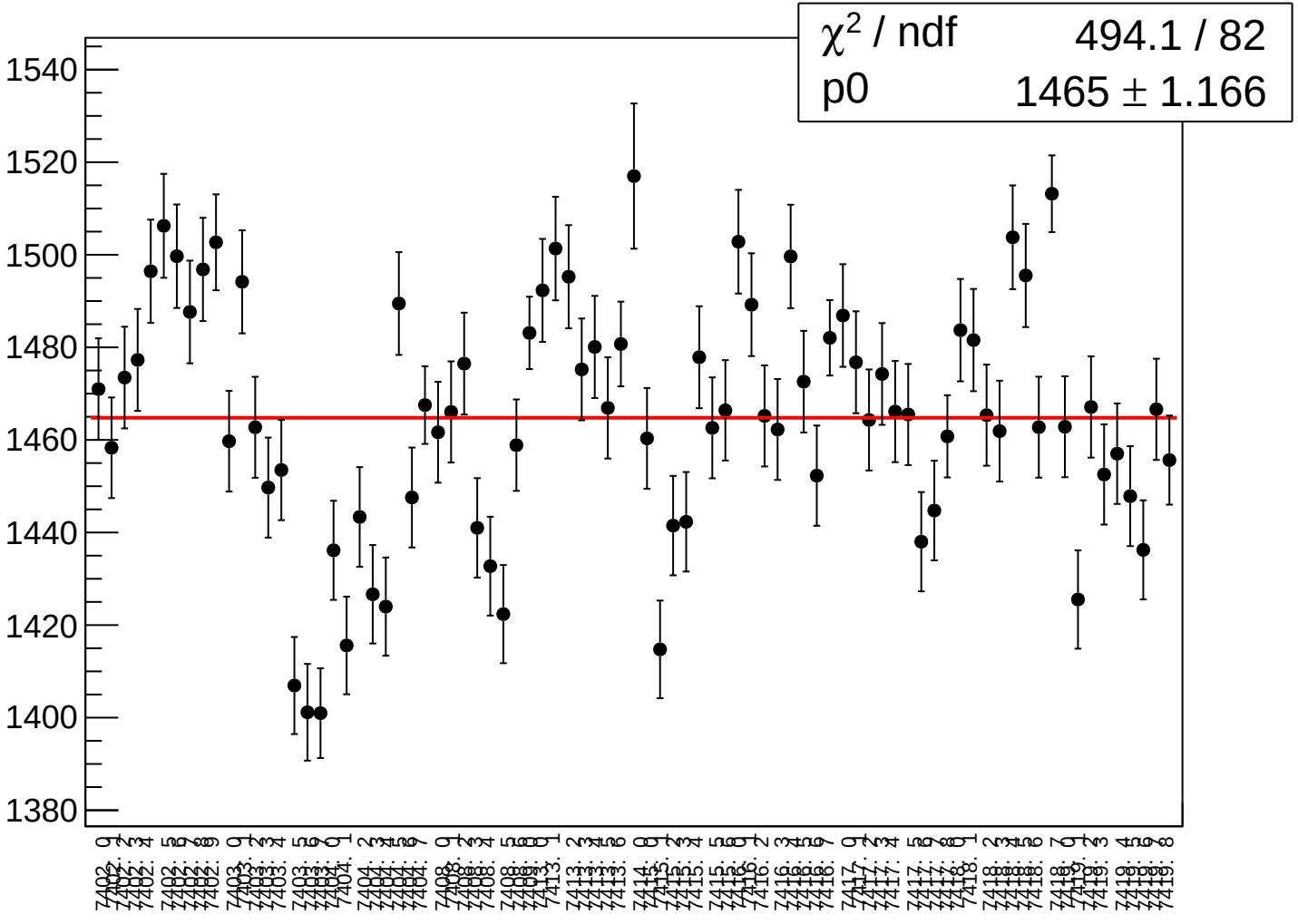

pull1D
Entries 83
Mean 0.0001299
Std Dev 0.9931
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

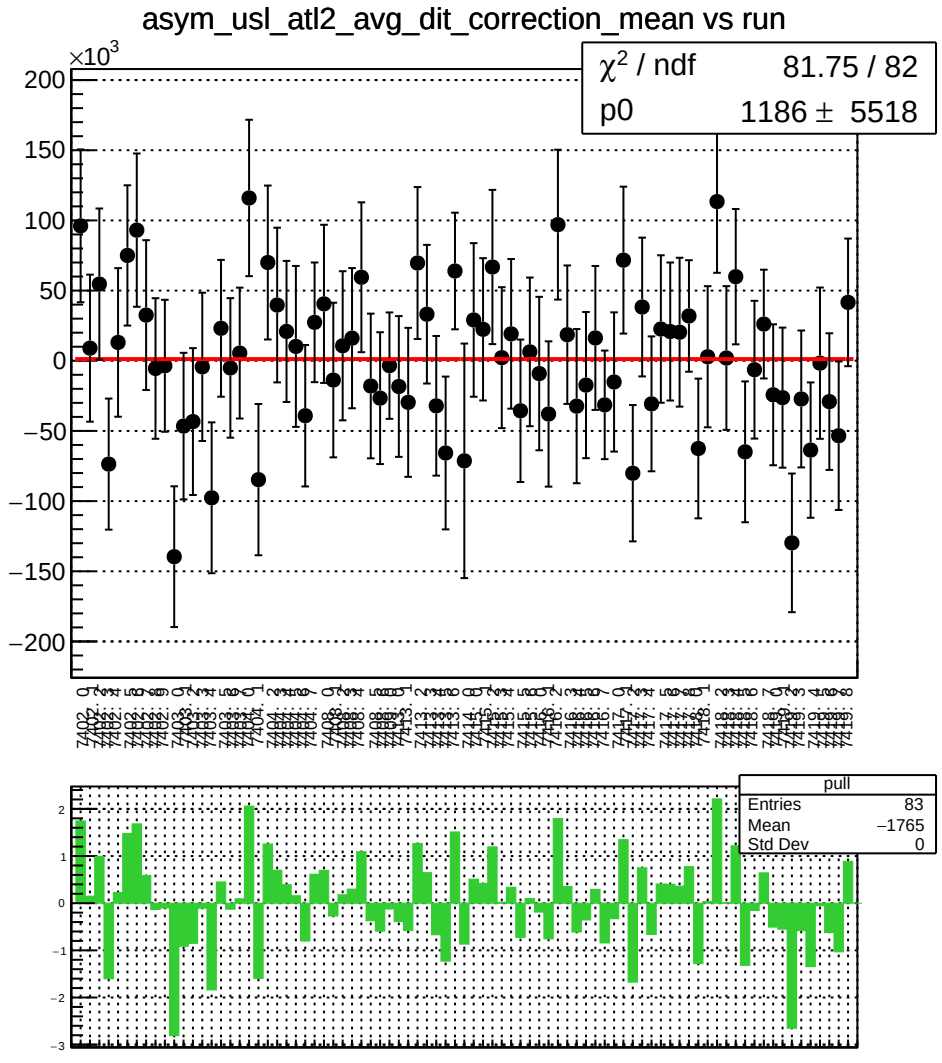

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3515 / 82
p0 4402 ± 3.507
5200
5000
4800
4600
4400
4200
4000
3800

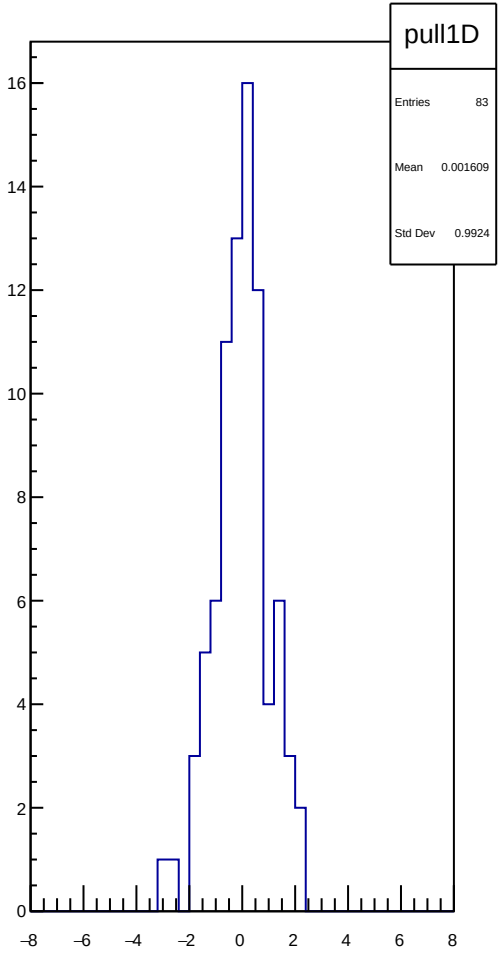

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 86.2 / 82
p0 1129 ± 1649
pull
Entries 83
Mean −641.7
Std Dev 0

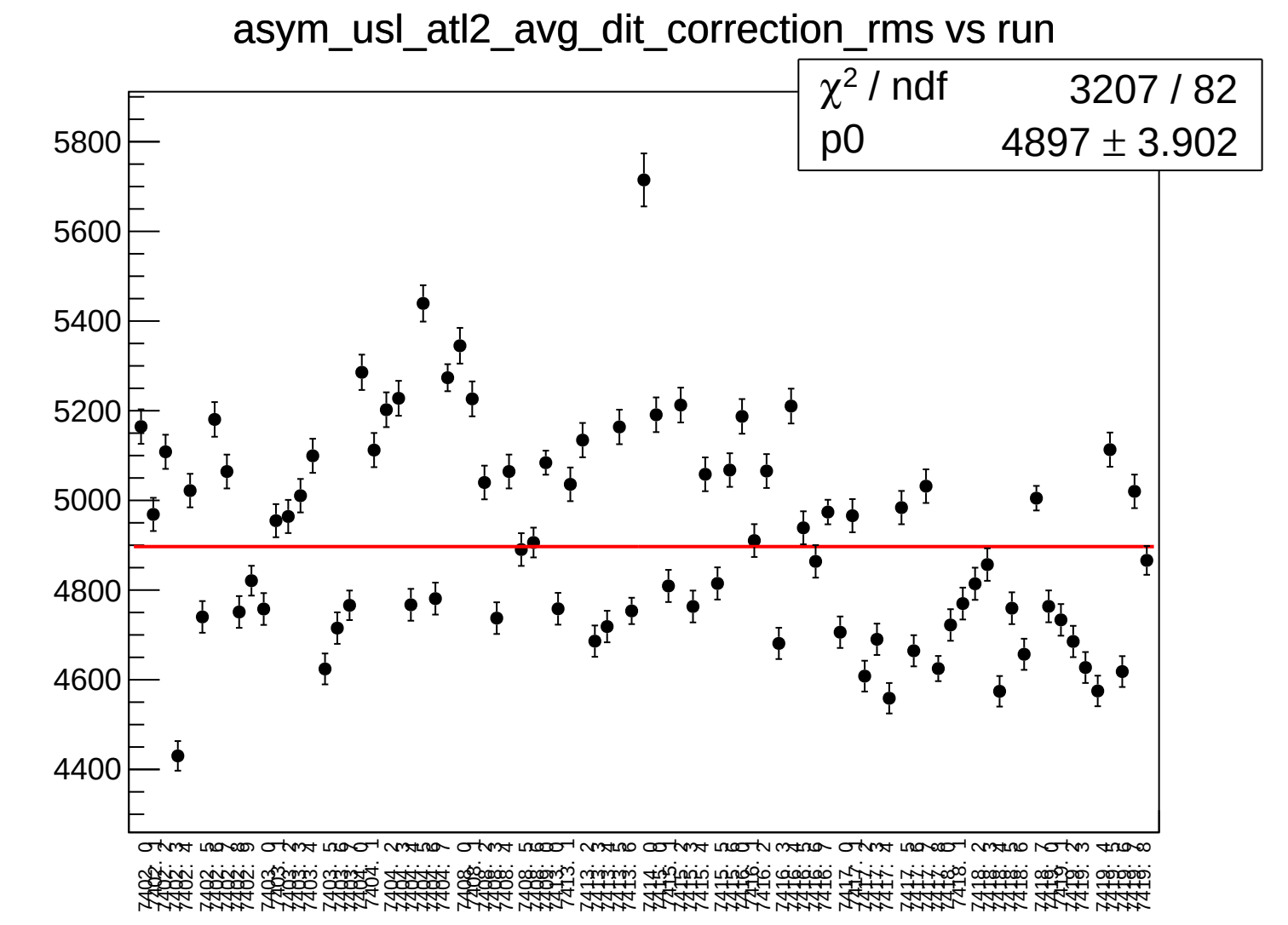

pull1D
Entries 83
Mean 0.003463
Std Dev 1.019

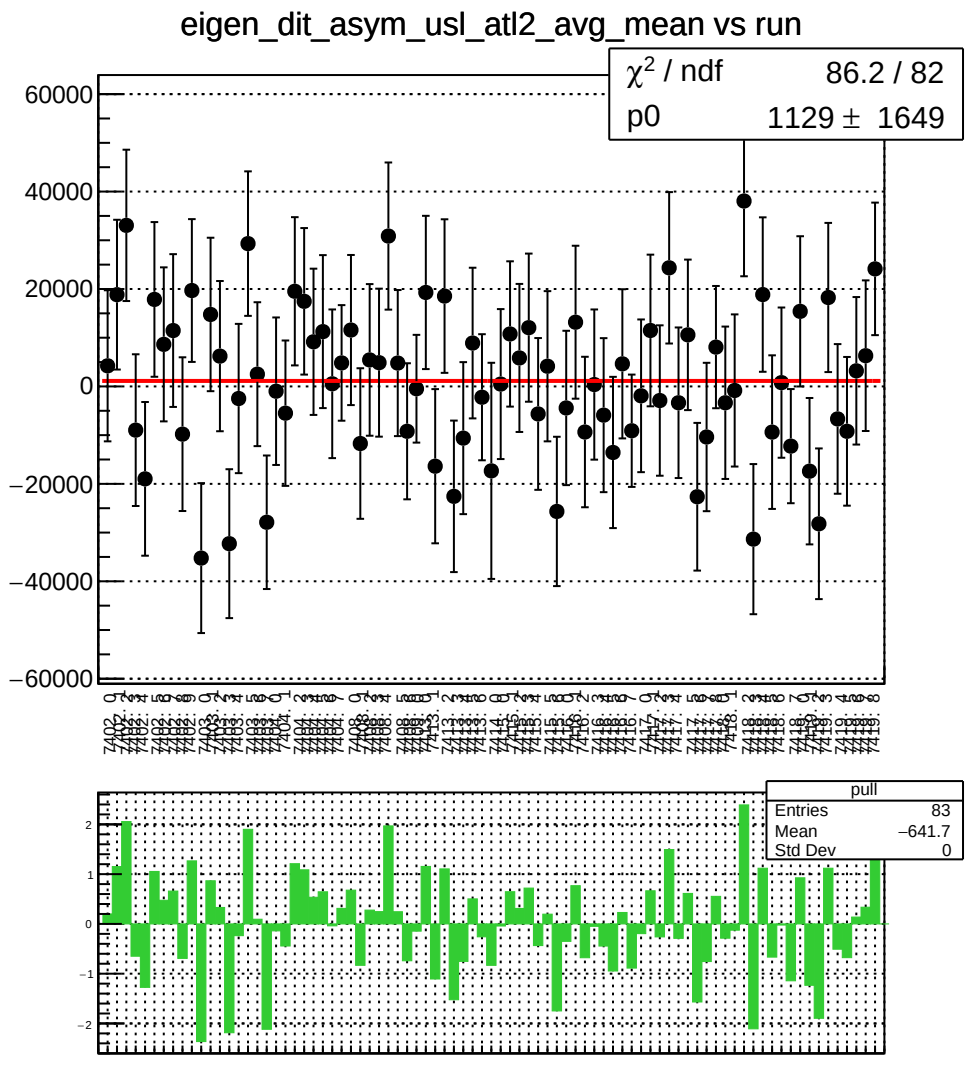
dit_asym_usl_atl2_avg_rms vs run

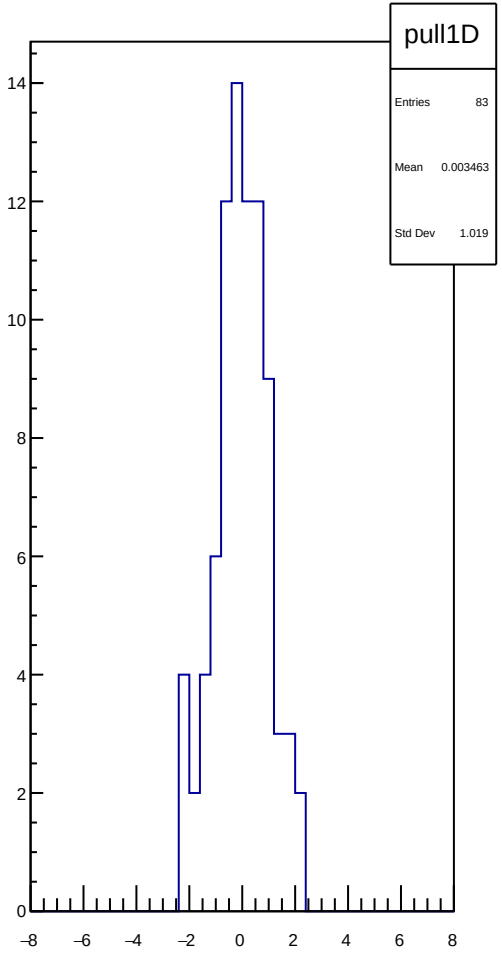


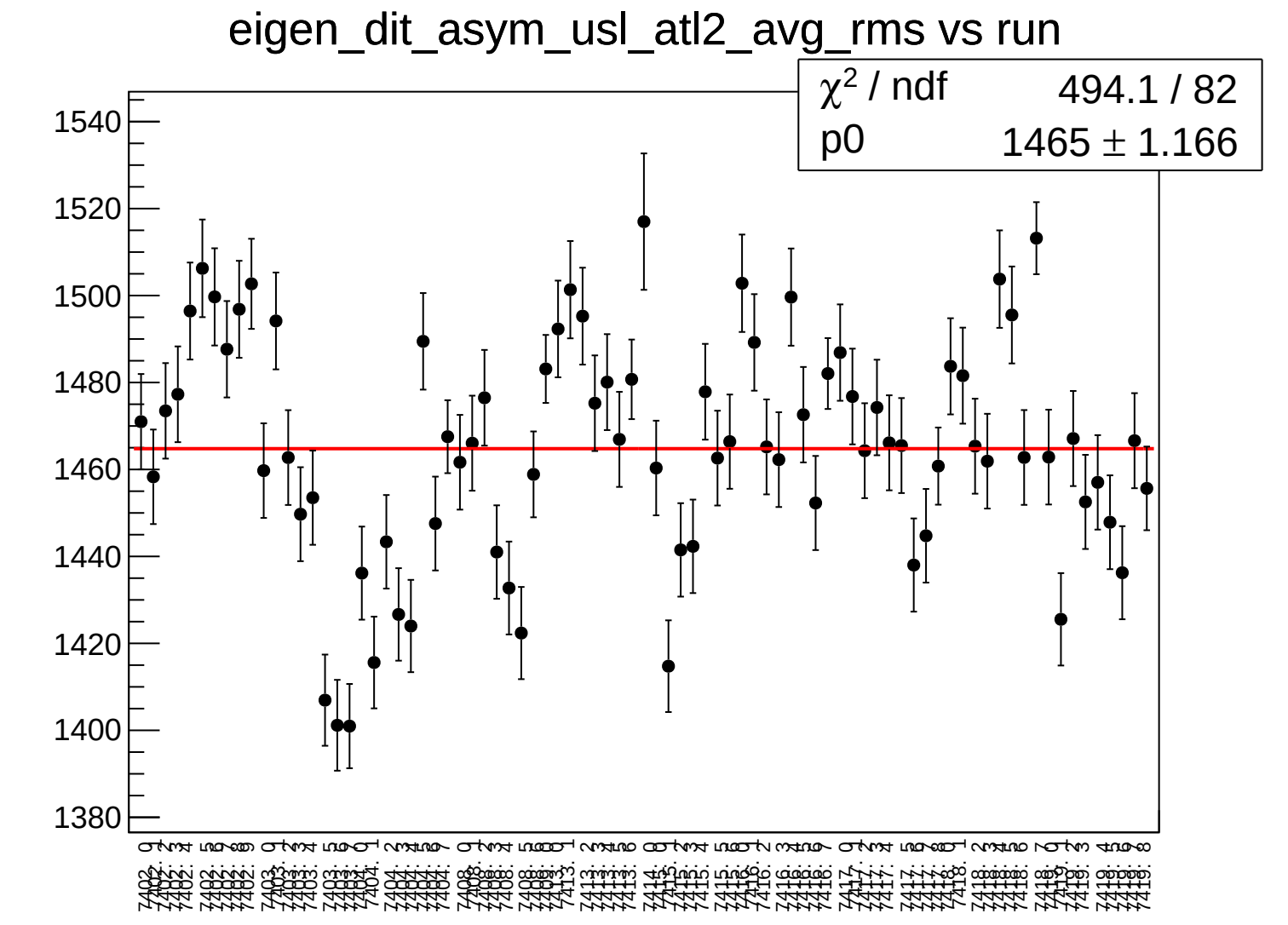

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.75 / 82
p0 1186 ± 5518
pull
Entries 83
Mean −1765
Std Dev 0

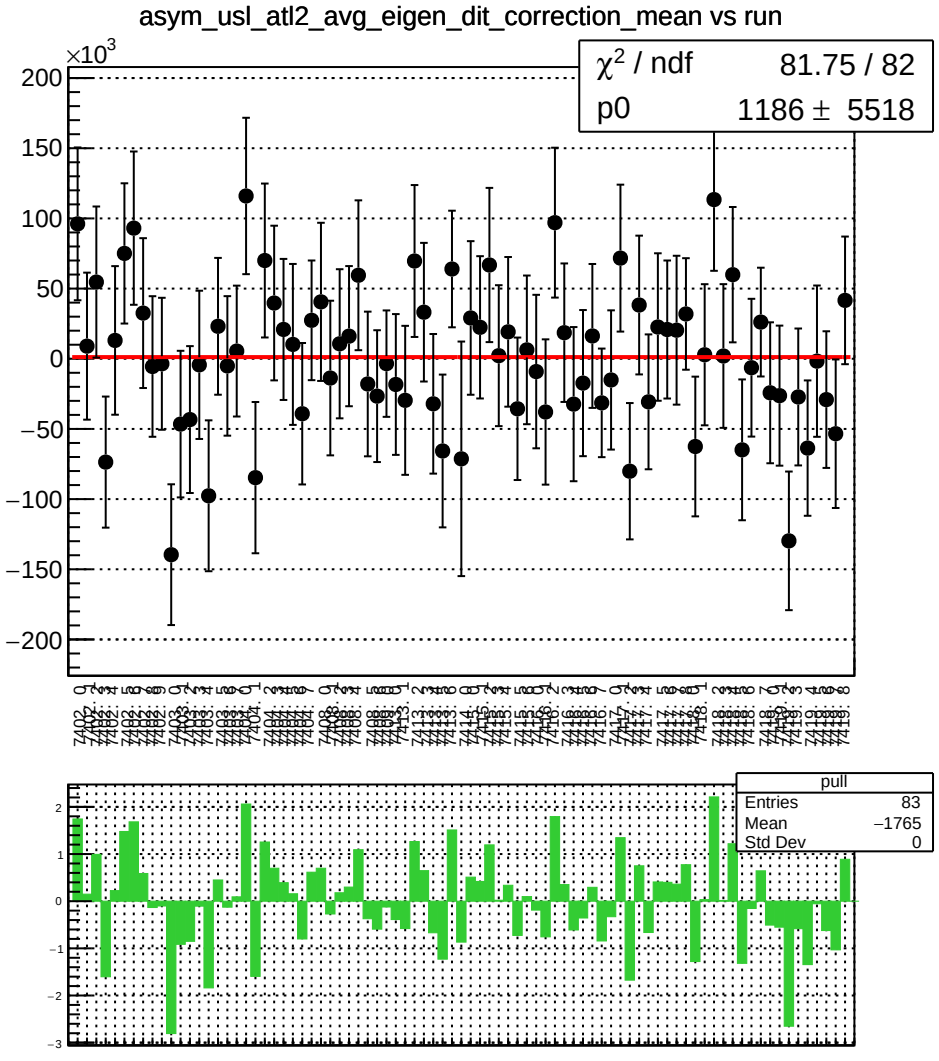

pull1D
Entries 83
Mean 0.001609
Std Dev 0.9924

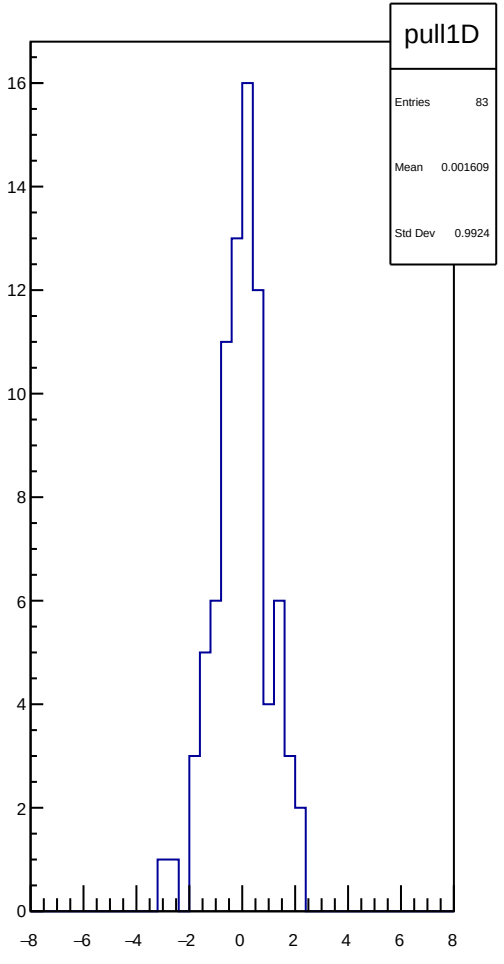

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 3207 / 82
p0 4897 ± 3.902
5800
5600
5400
5200
5000
4800
4600
4400

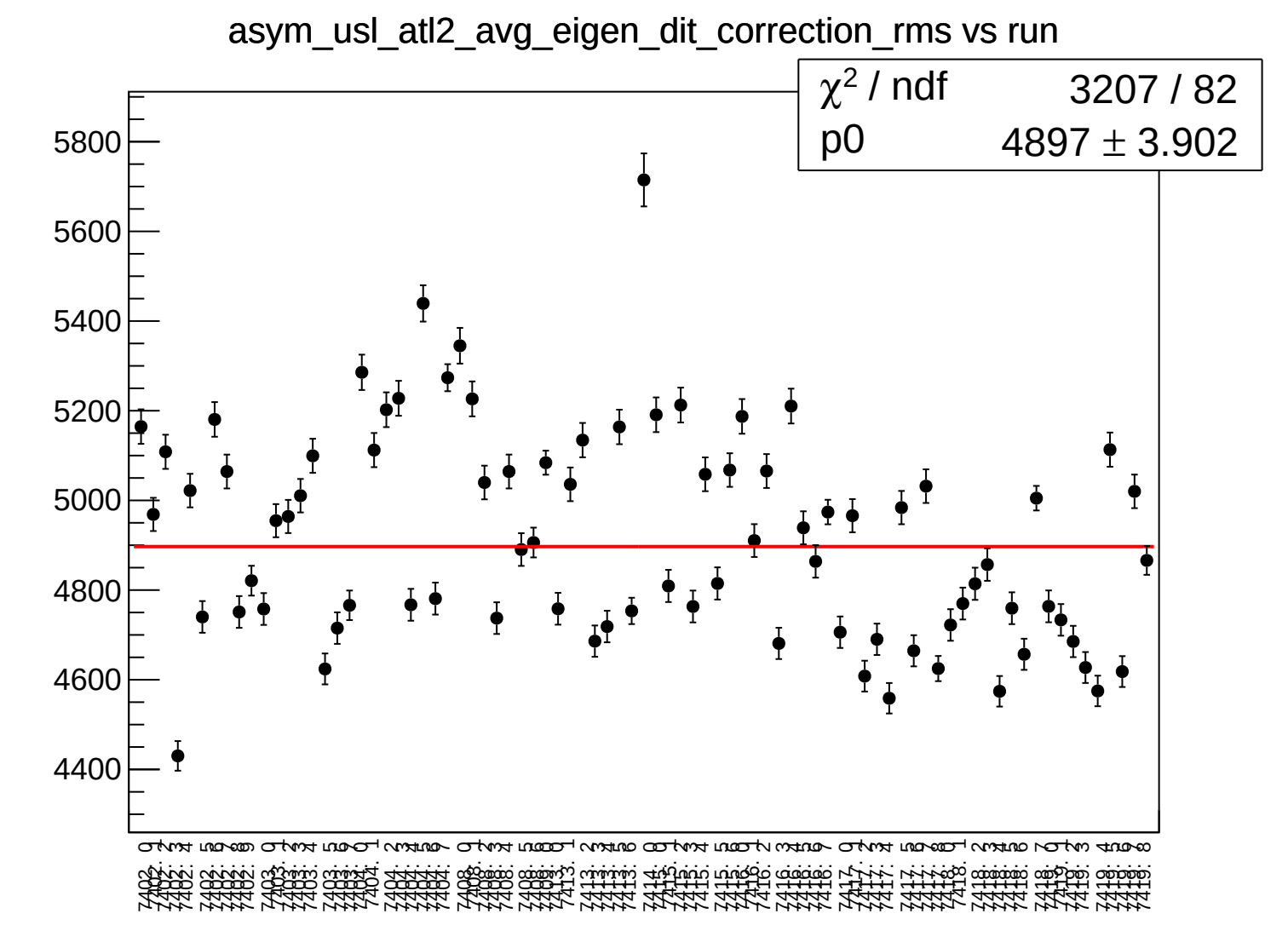

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 86.2 / 82
p0 1129 ± 1649
pull
Entries 83
Mean −641.7
Std Dev 0

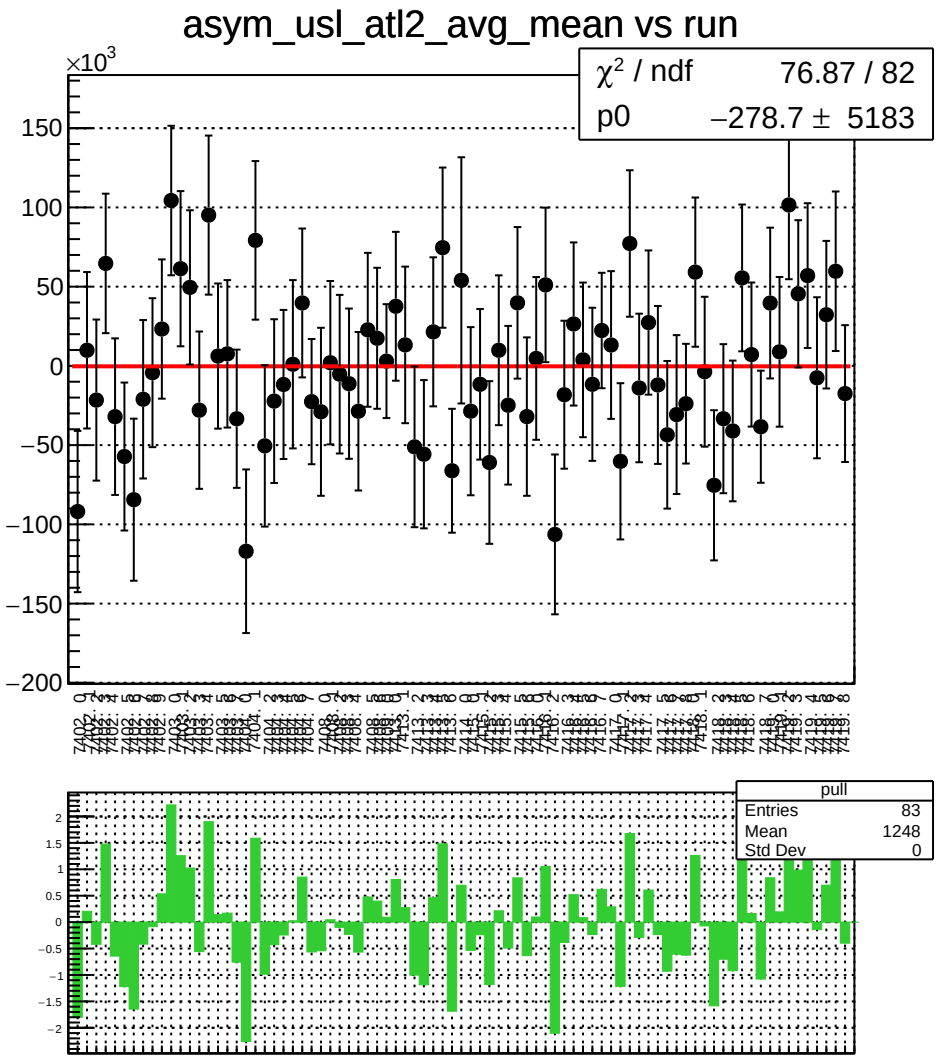

pull1D
Entries 83
Mean 0.003463
Std Dev 1.019

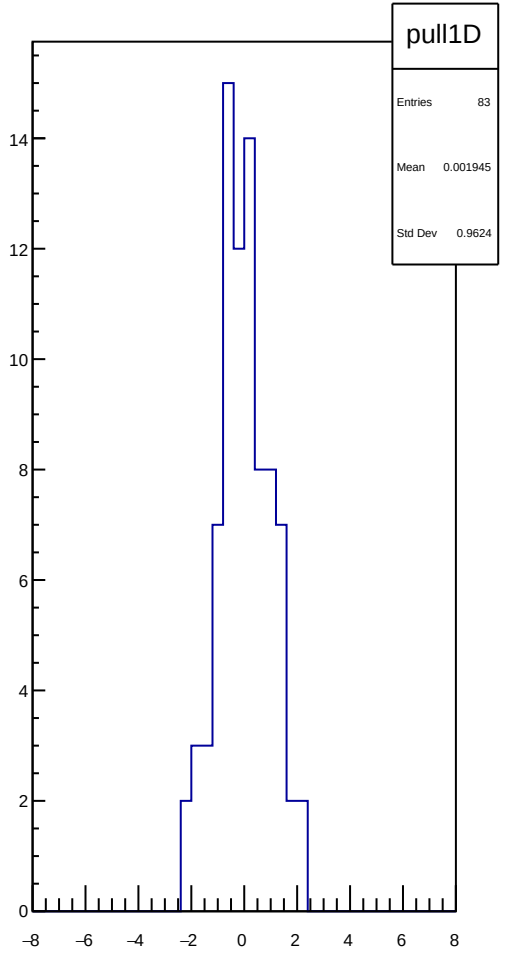

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 494.1 / 82
p0 1465 ± 1.166
1540
1520
1500
1480
1460
1440
1420
1400
1380

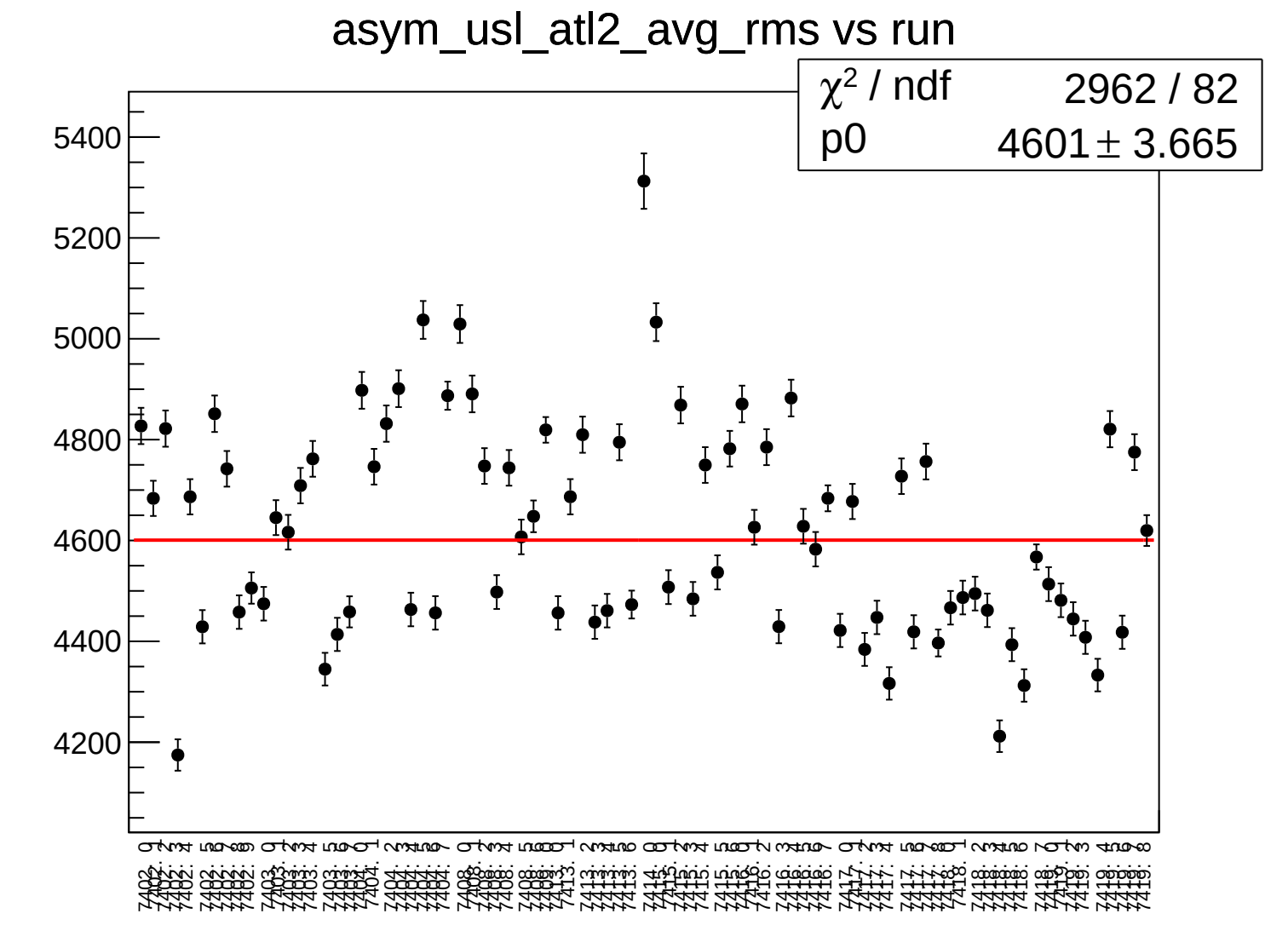

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.75 / 82
p0 1186 ± 5518
pull
Entries 83
Mean −1765
Std Dev 0

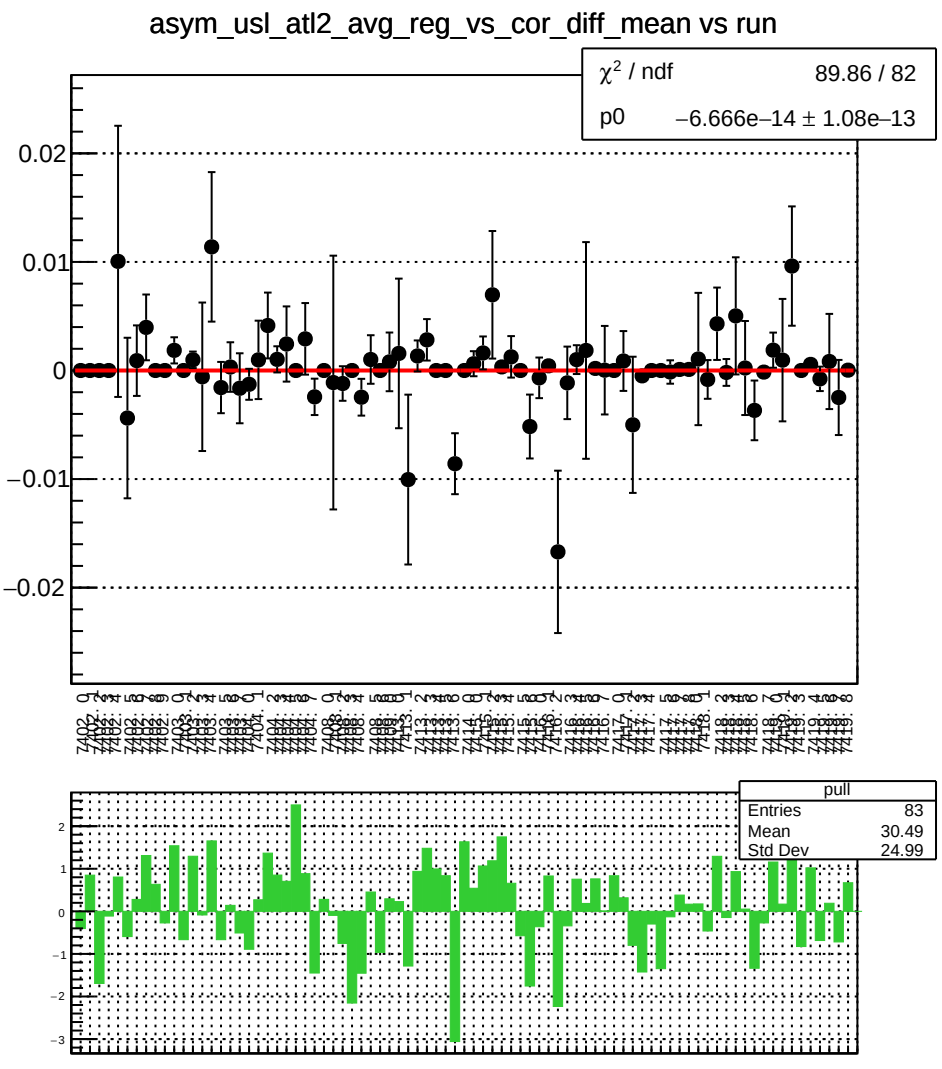

pull1D
Entries 83
Mean 0.001609
Std Dev 0.9924

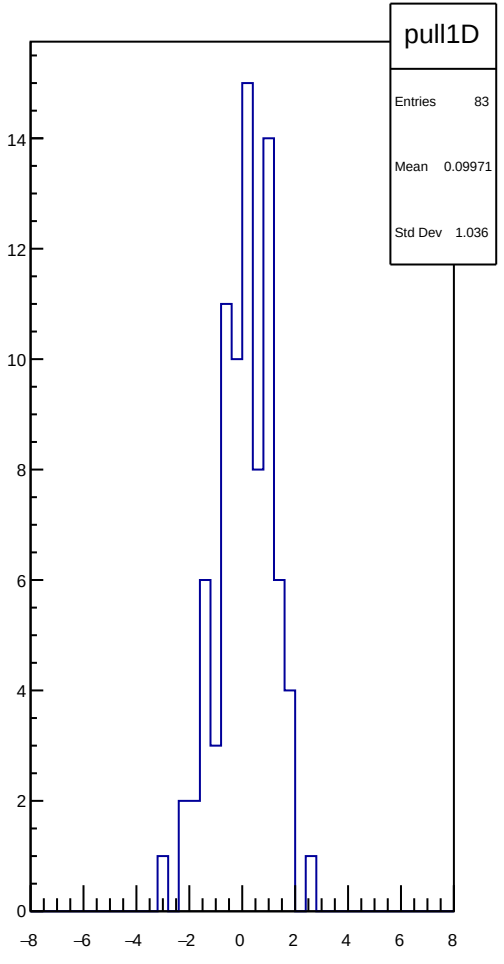

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3207 / 82
p0 4897 ± 3.902
5800
5600
5400
5200
5000
4800
4600
4400

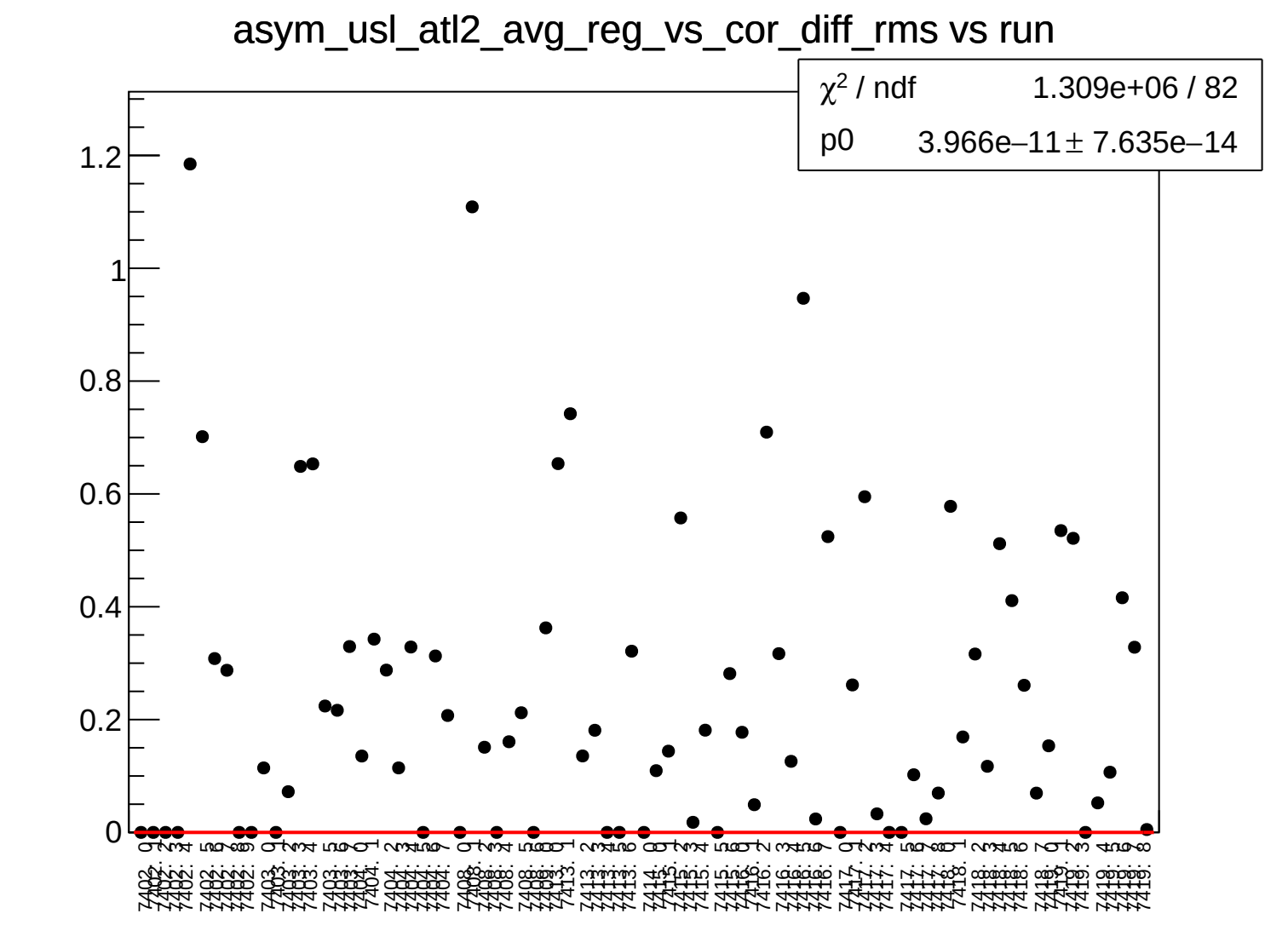

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 76.87 / 82
p0 −278.7 ± 5183
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean 1248
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

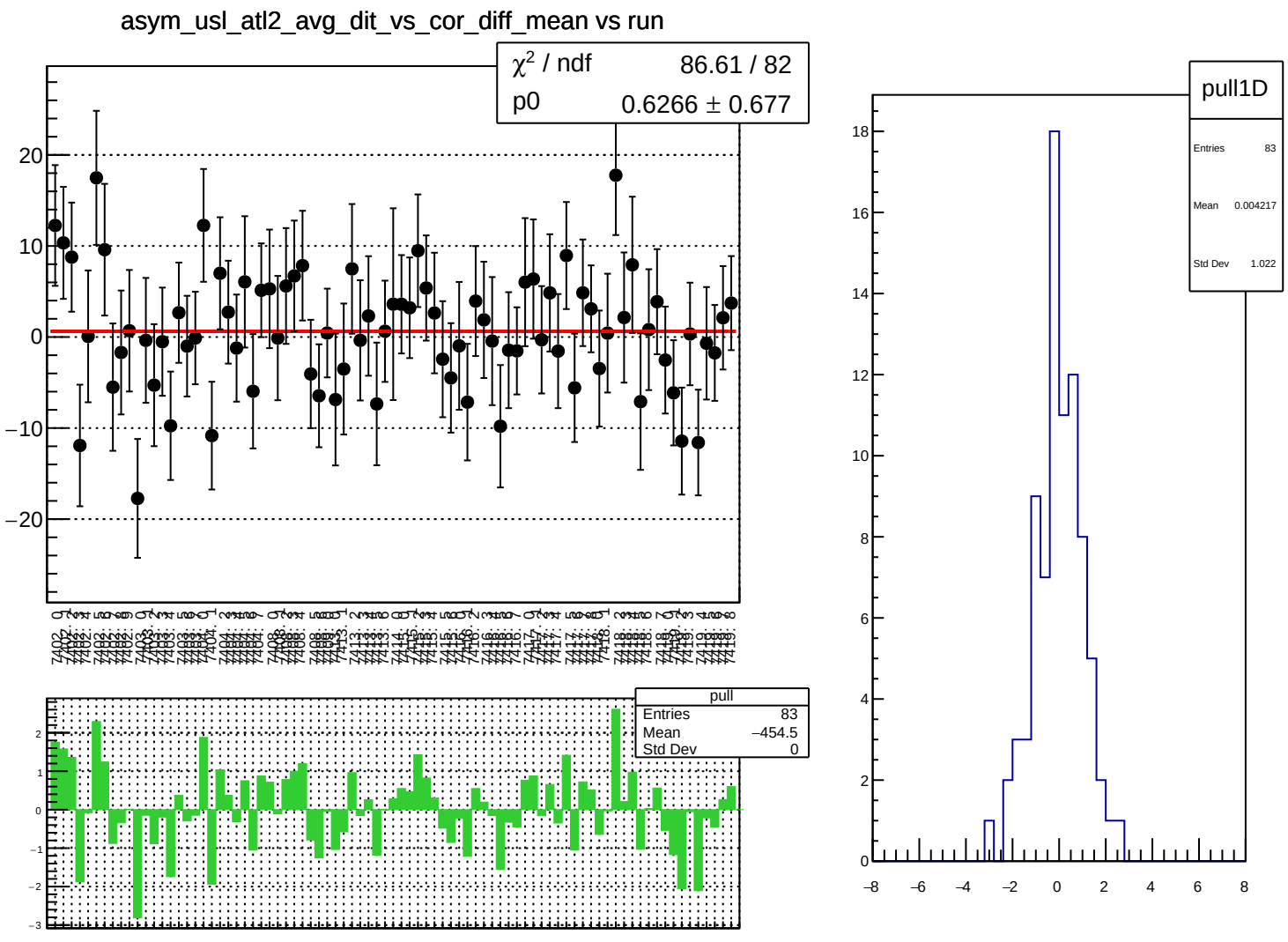

pull1D
Entries 83
Mean 0.001945
Std Dev 0.9624
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

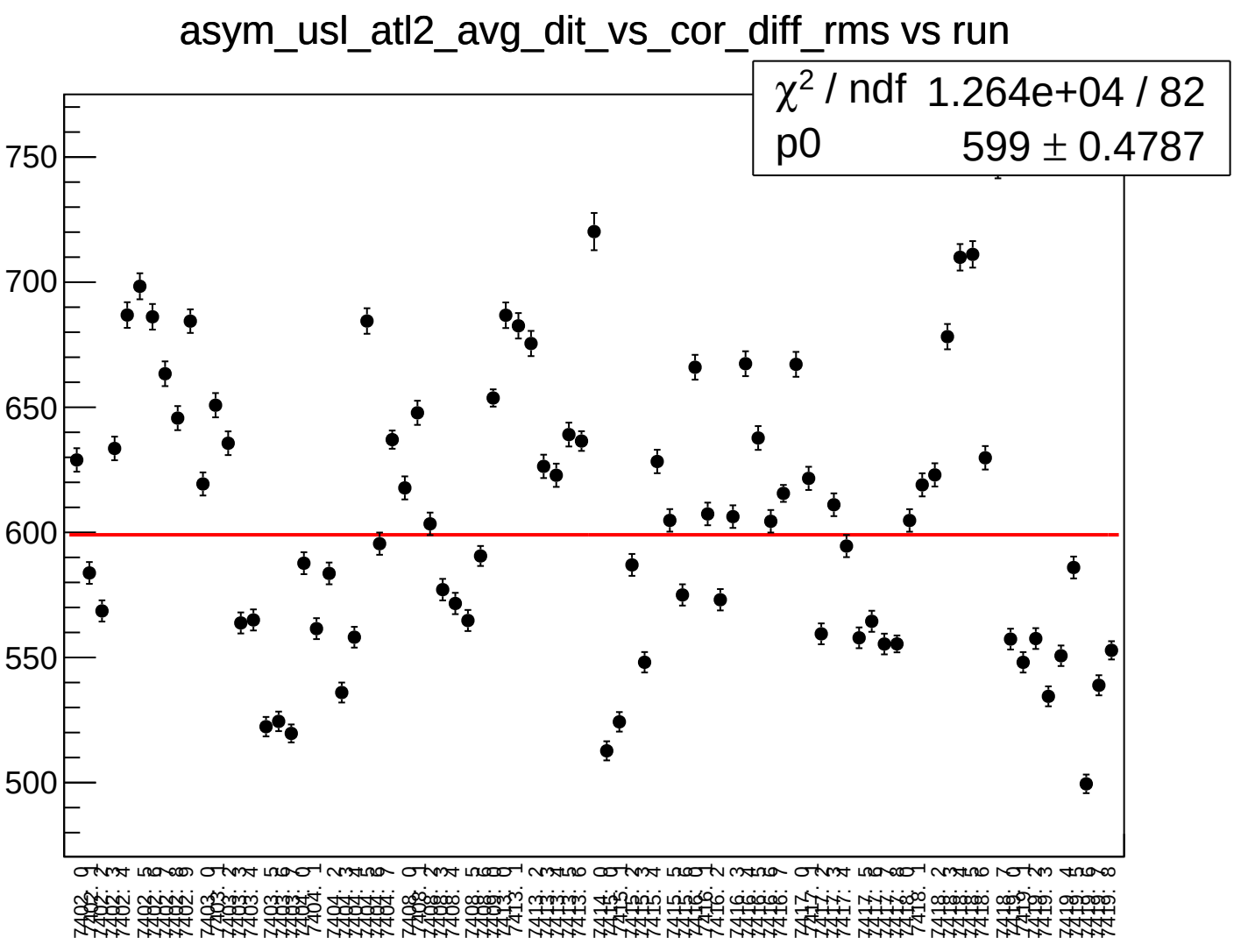

asym_usl_atl2_avg_rms vs run
χ² / ndf 2962 / 82
p0 4601 ± 3.665
5400
5200
5000
4800
4600
4400
4200

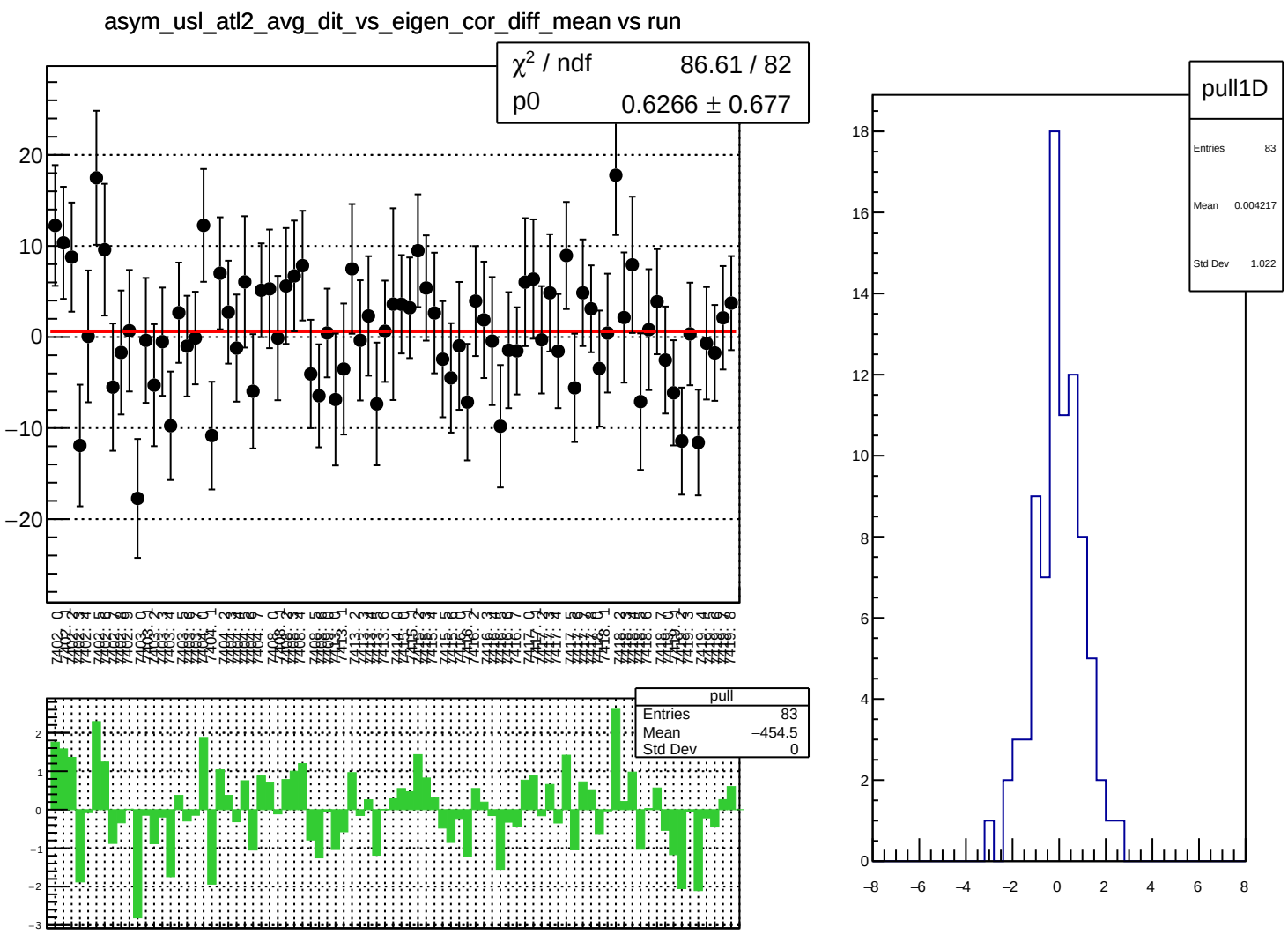

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 89.86 / 82
p0 −6.666e−14 ± 1.08e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 30.49
Std Dev 24.99
2
1
0
−1
−2
−3

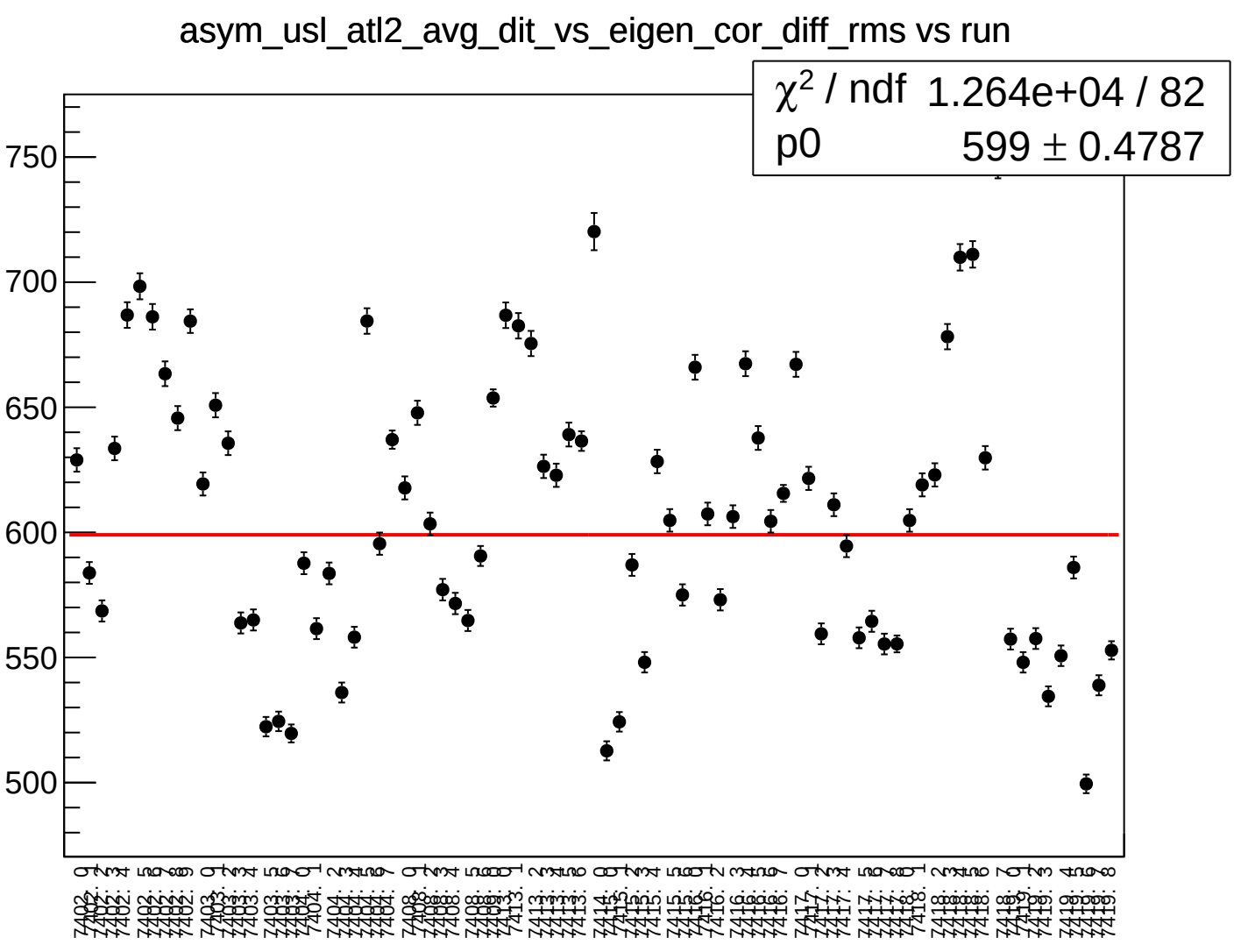

pull1D
Entries 83
Mean 0.09971
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

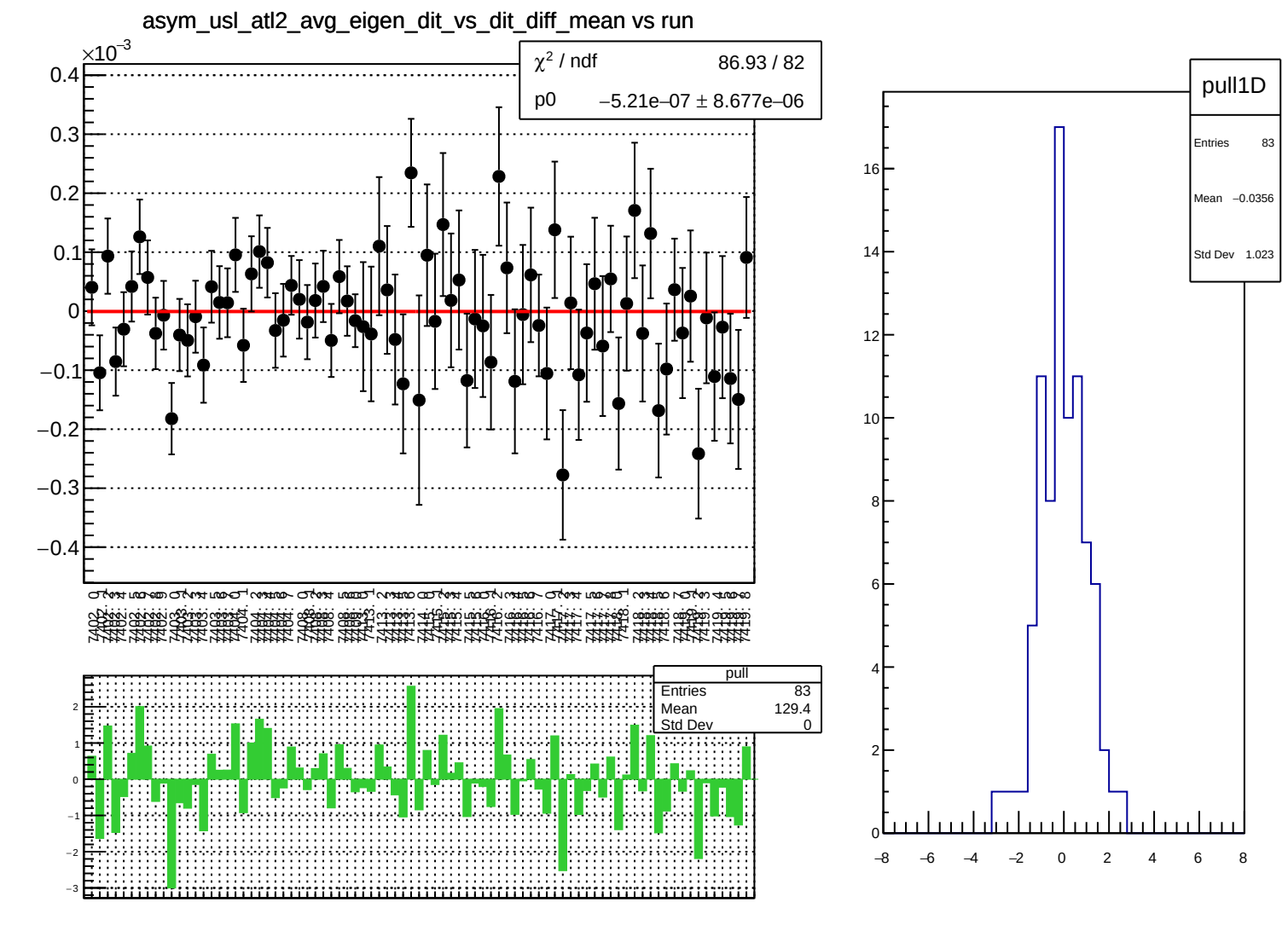

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ2 / ndf 1.309e+06 / 82
p0 3.966e−11 ± 7.635e−14
1.2
1
0.8
0.6
0.4
0.2
0

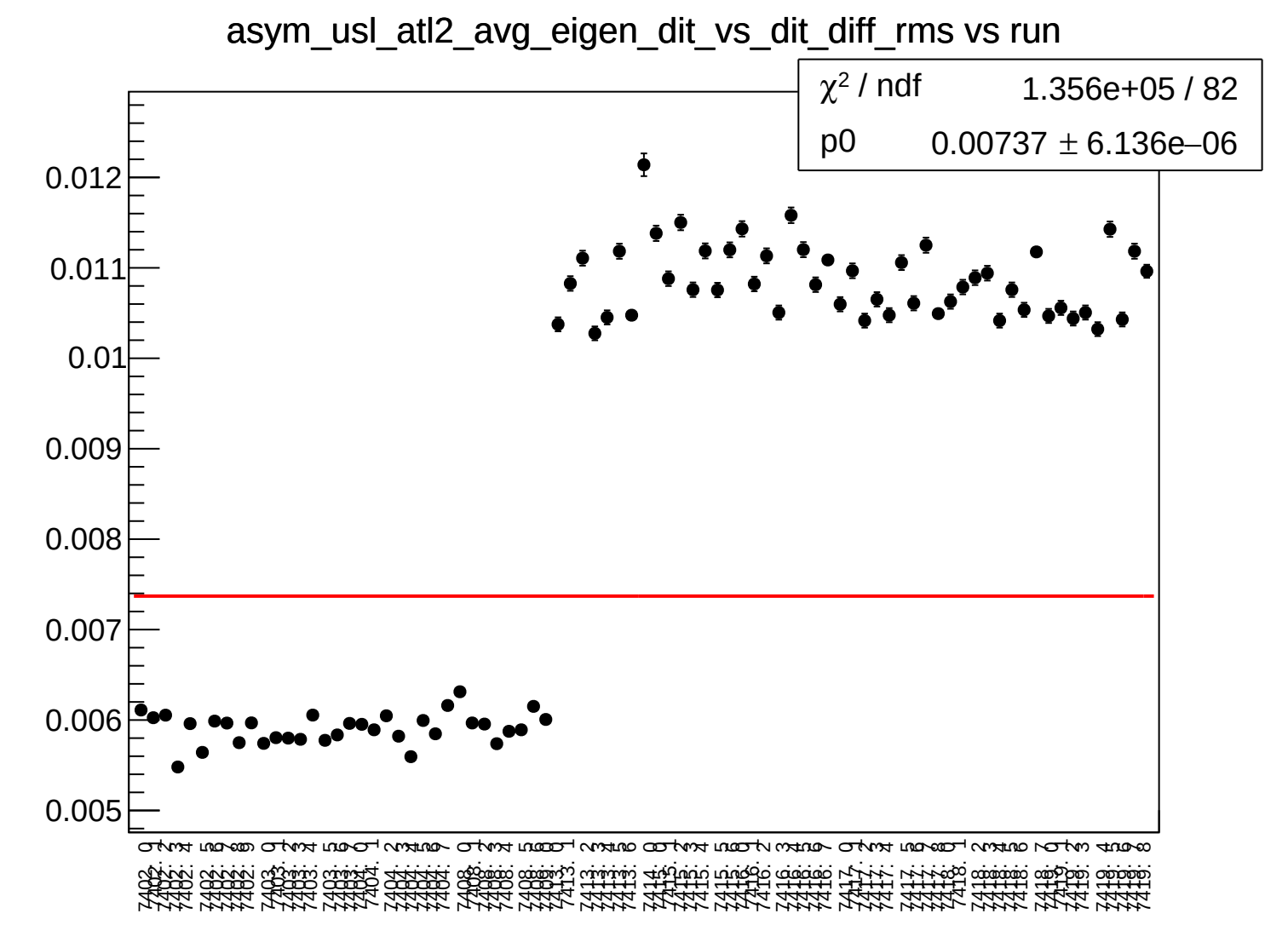

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 86.61 / 82
p0 0.6266 ± 0.677
pull
Entries 83
Mean −454.5
Std Dev 0
pull1D
Entries 83
Mean 0.004217
Std Dev 1.022

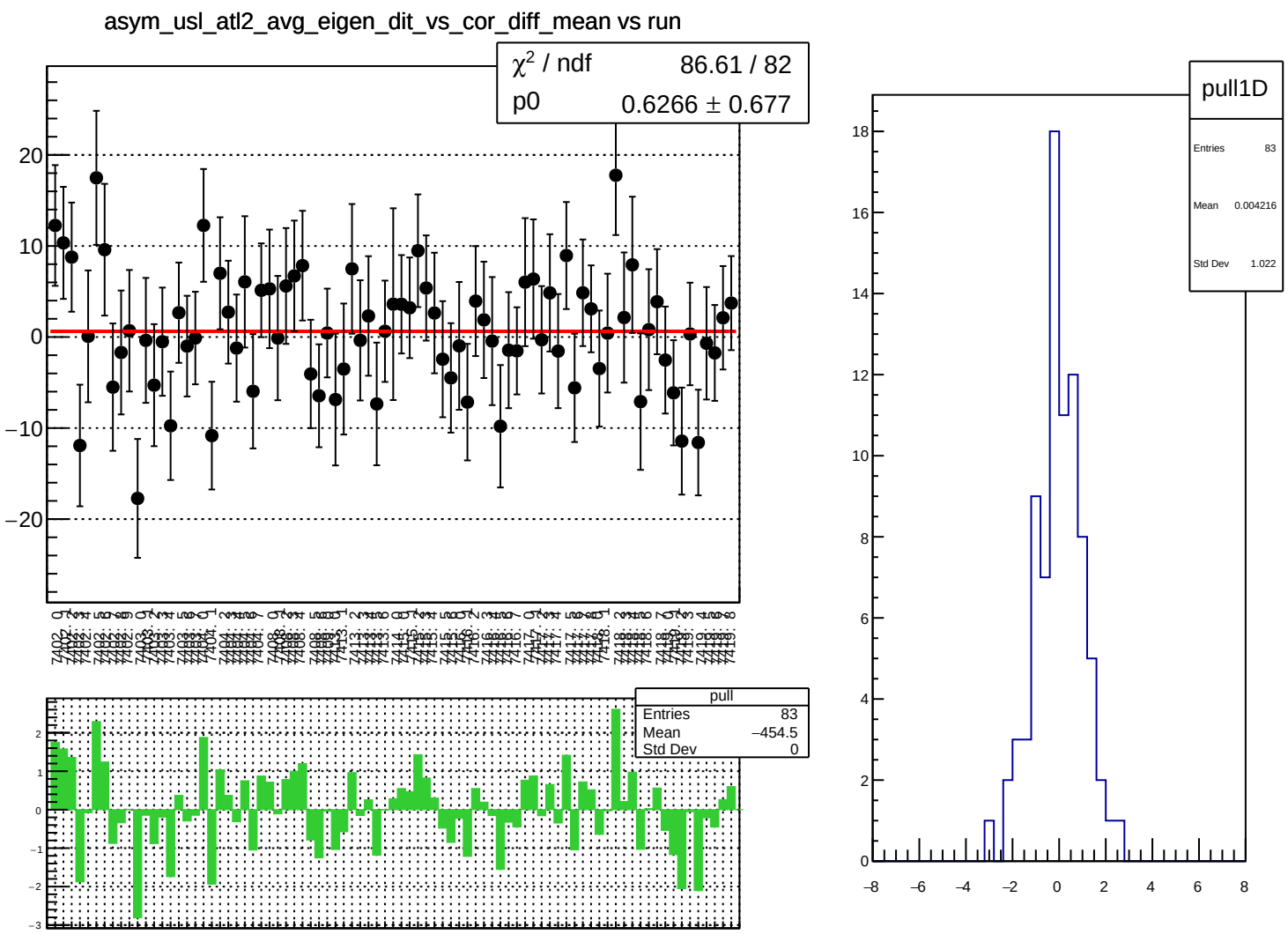

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.264e+04 / 82
p0 599 ± 0.4787
750
700
650
600
550
500

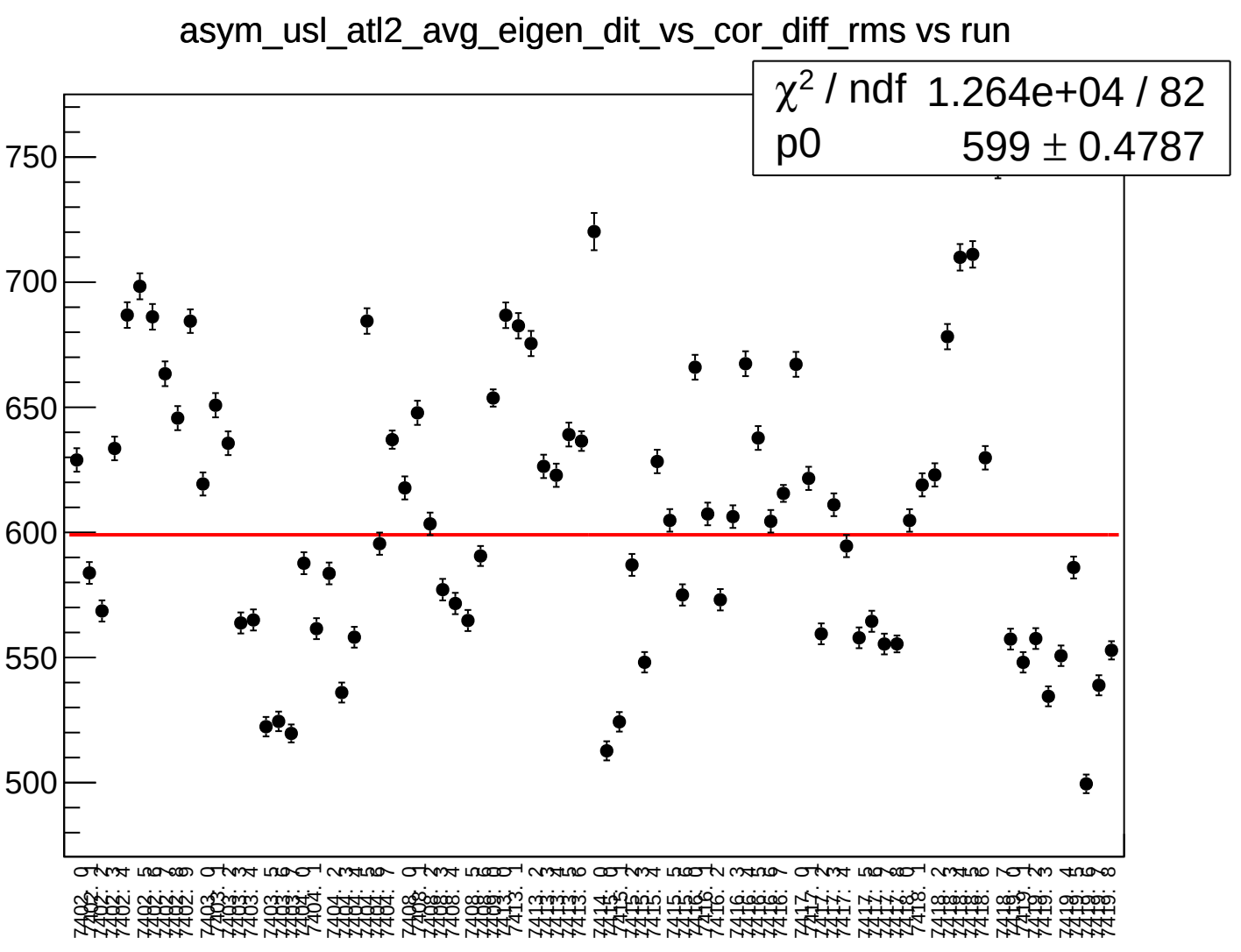

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.61 / 82
p0 0.6266 ± 0.677
pull
Entries 83
Mean −454.5
Std Dev 0
pull1D
Entries 83
Mean 0.004217
Std Dev 1.022

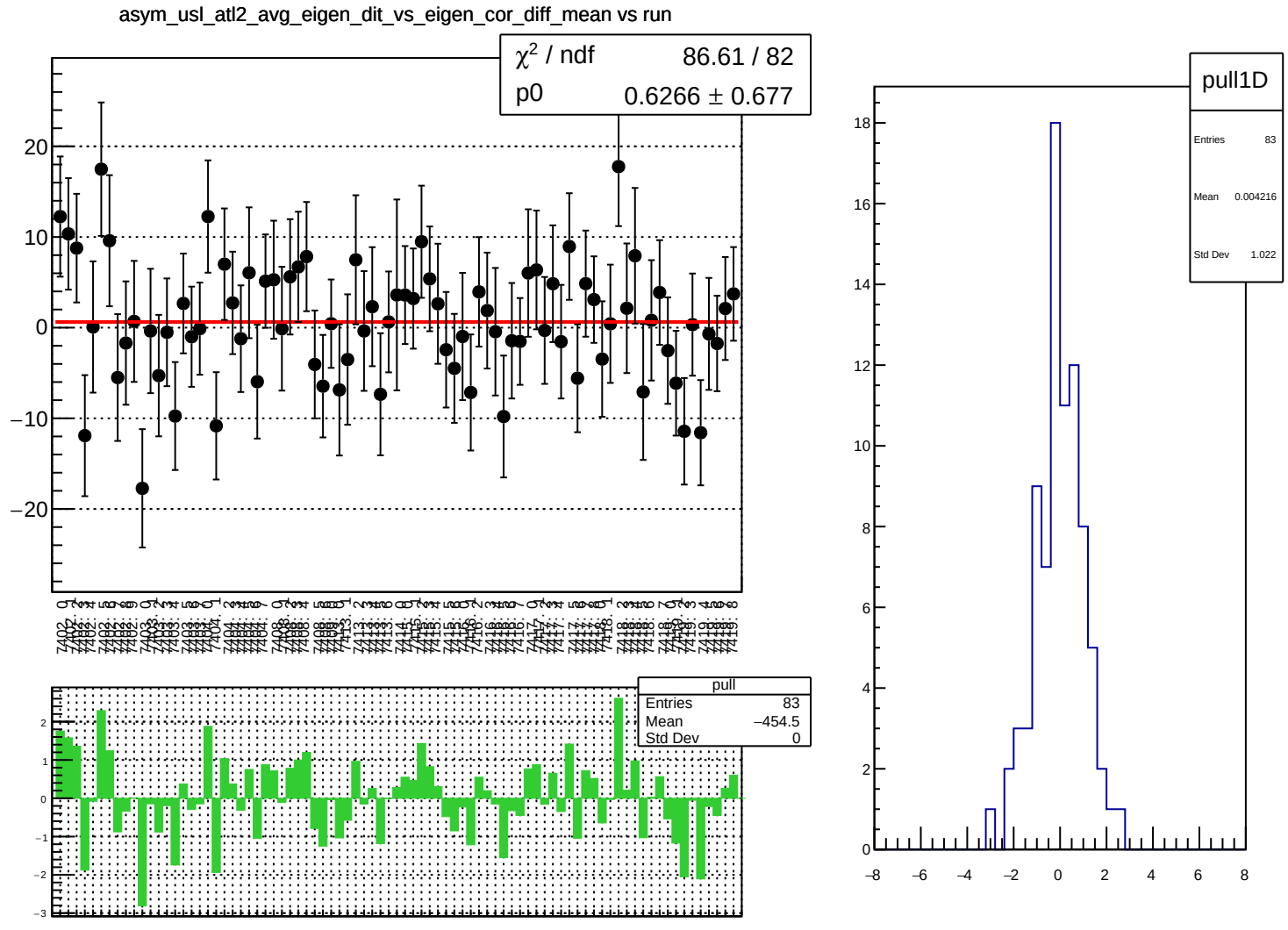

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.264e+04 / 82
p0 599 ± 0.4787
750
700
650
600
550
500

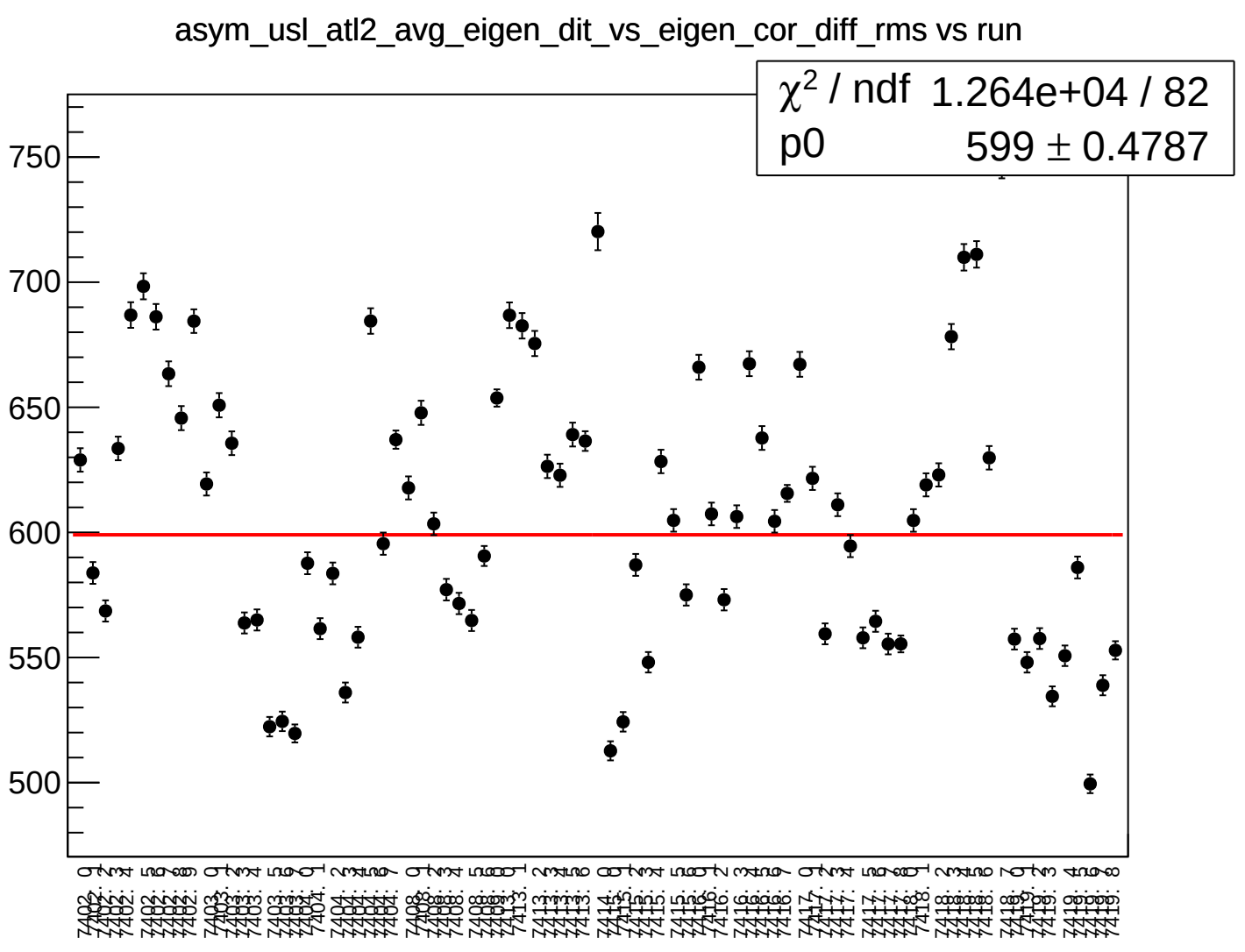

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.93 / 82
p0 −5.21e−07 ± 8.677e−06
pull
Entries 83
Mean 129.4
Std Dev 0
pull1D
Entries 83
Mean −0.0356
Std Dev 1.023

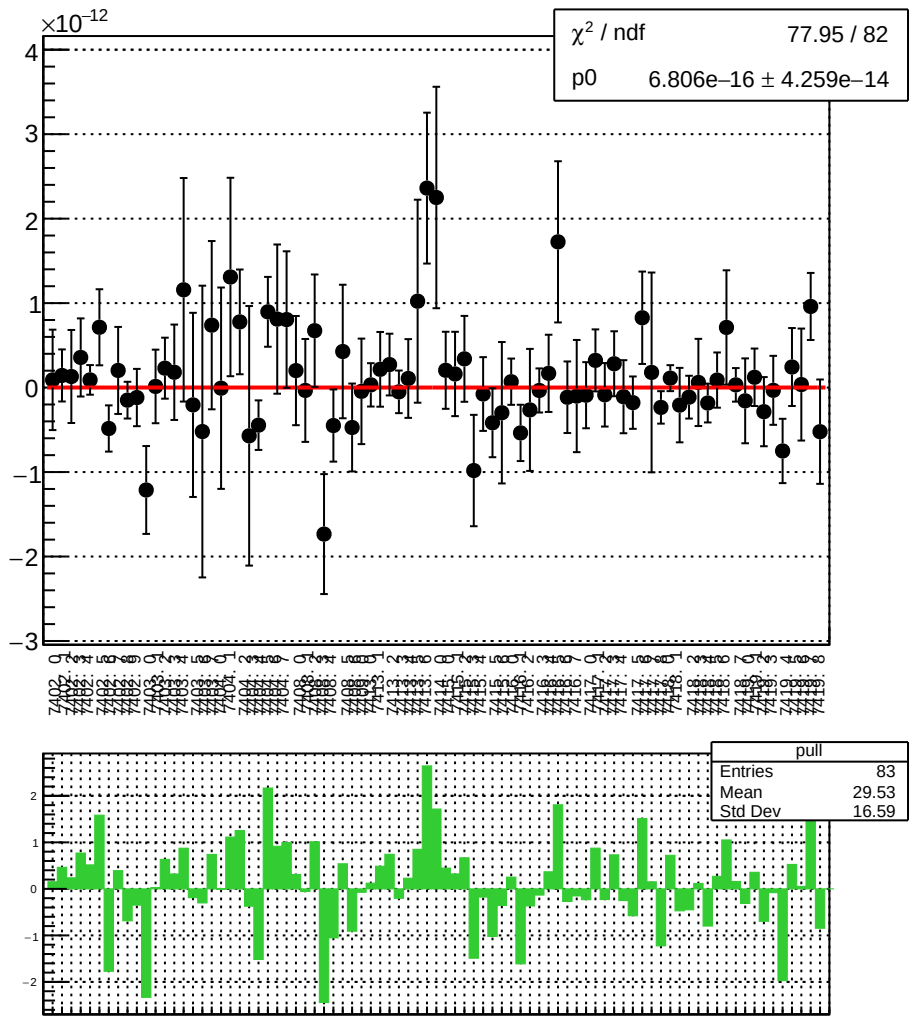

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.356e+05 / 82
p0 0.00737 ± 6.136e–06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

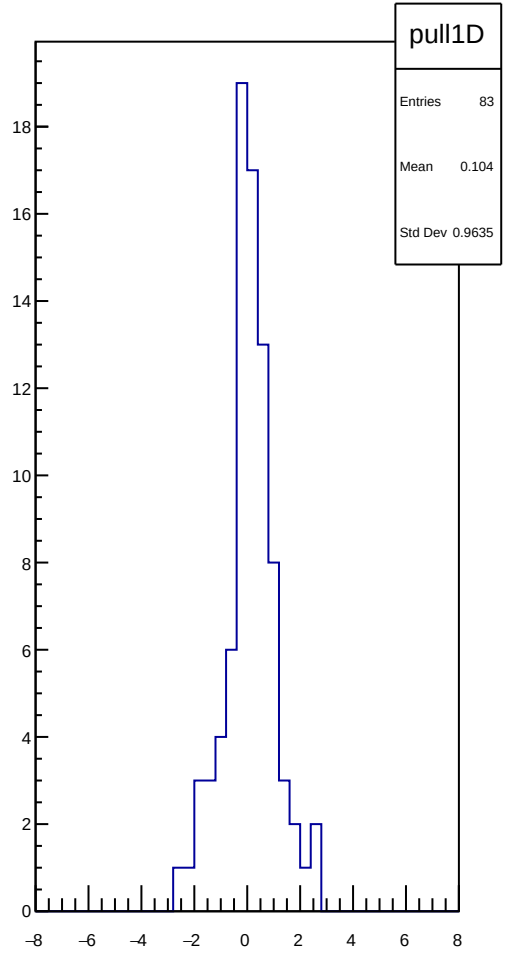

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.61 / 82
p0 0.6266 ± 0.677
pull
Entries 83
Mean −454.5
Std Dev 0
pull1D
Entries 83
Mean 0.004216
Std Dev 1.022

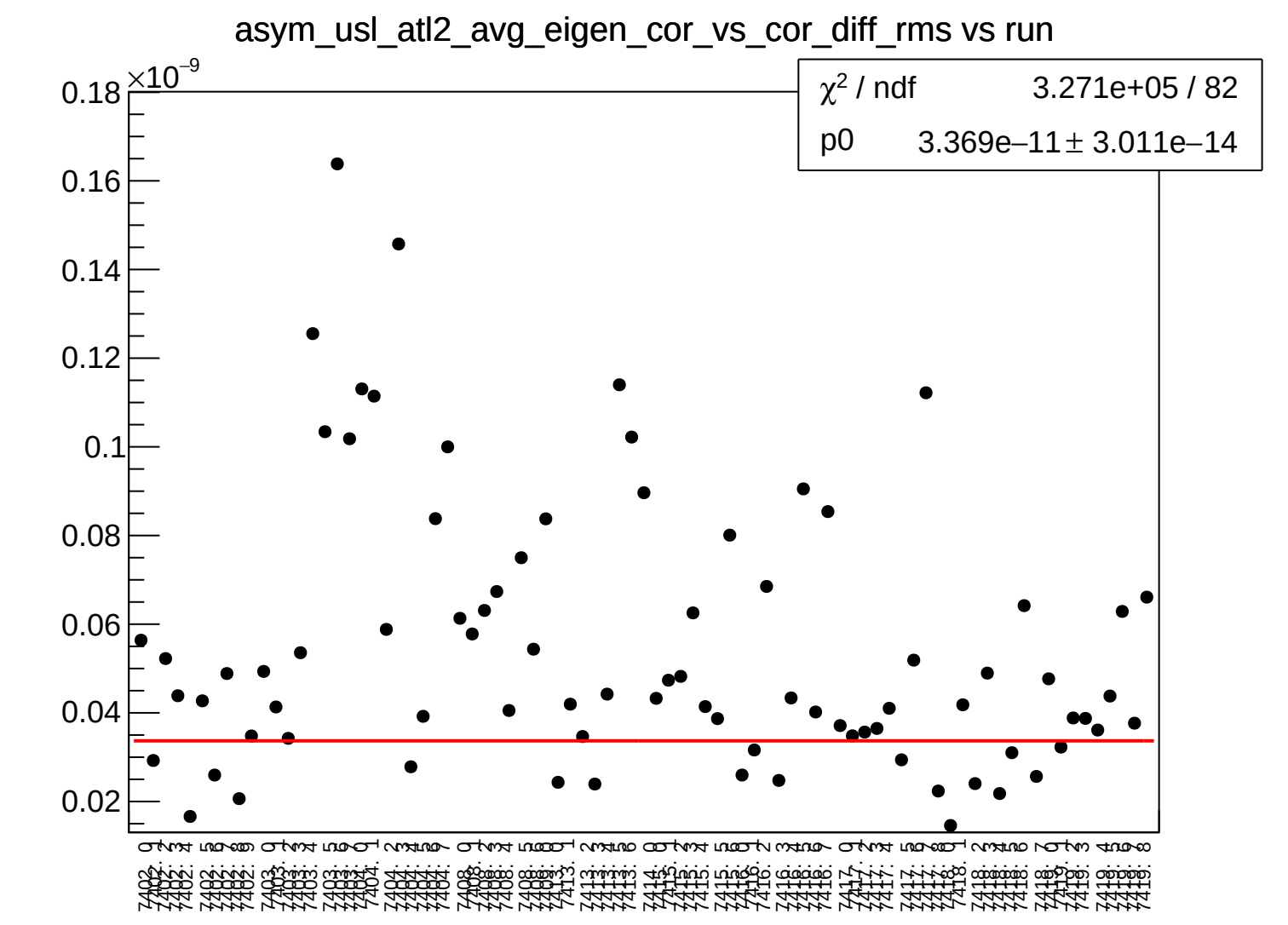

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.264e+04 / 82
p0 599 ± 0.4787
750
700
650
600
550
500

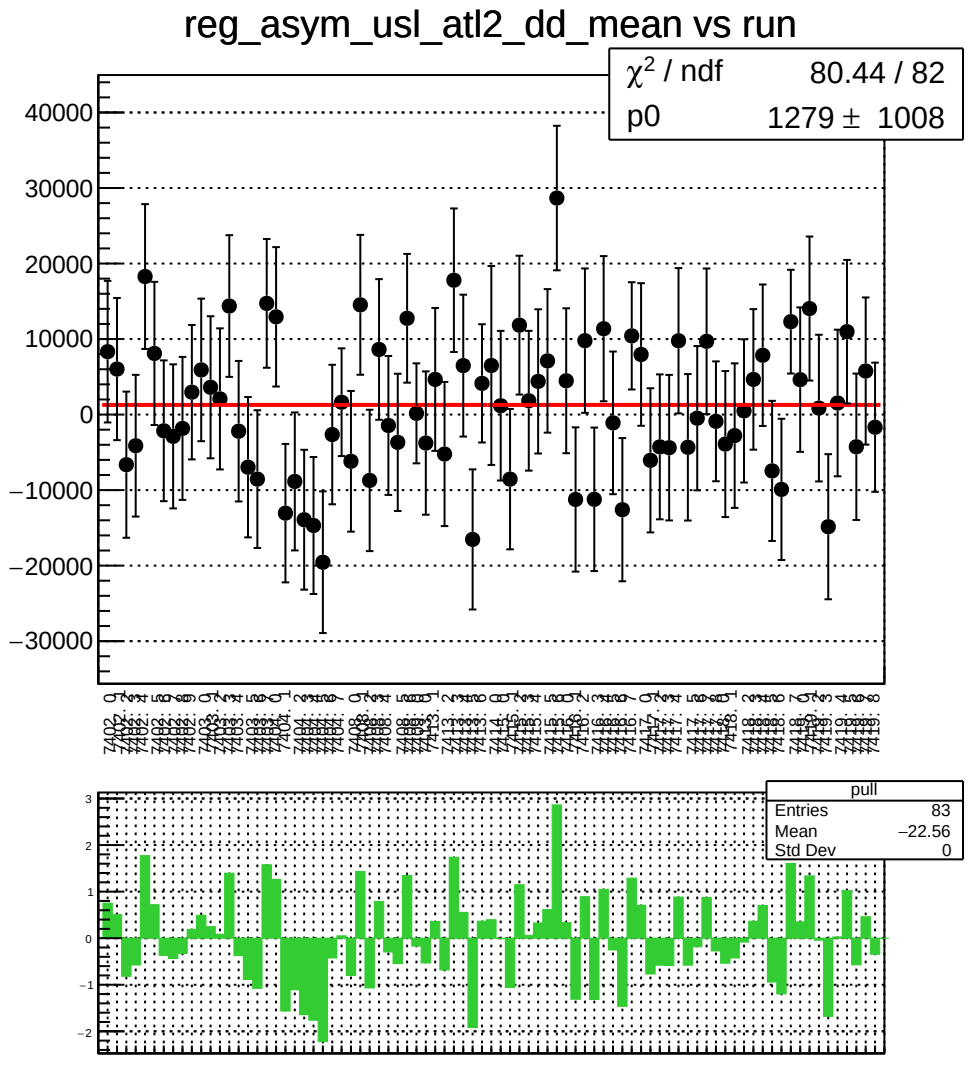

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.61 / 82
p0 0.6266 ± 0.677
pull
Entries 83
Mean −454.5
Std Dev 0
pull1D
Entries 83
Mean 0.004216
Std Dev 1.022

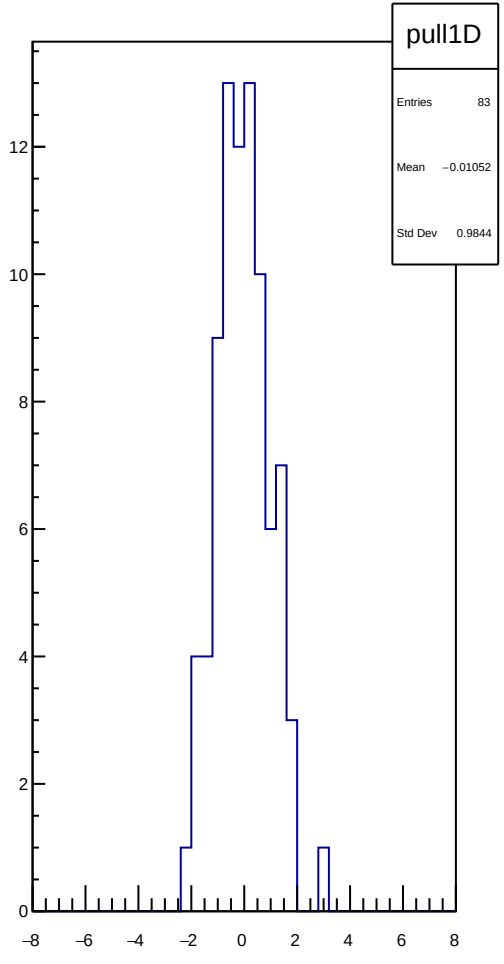

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.264e+04 / 82
p0 599 ± 0.4787
750
700
650
600
550
500

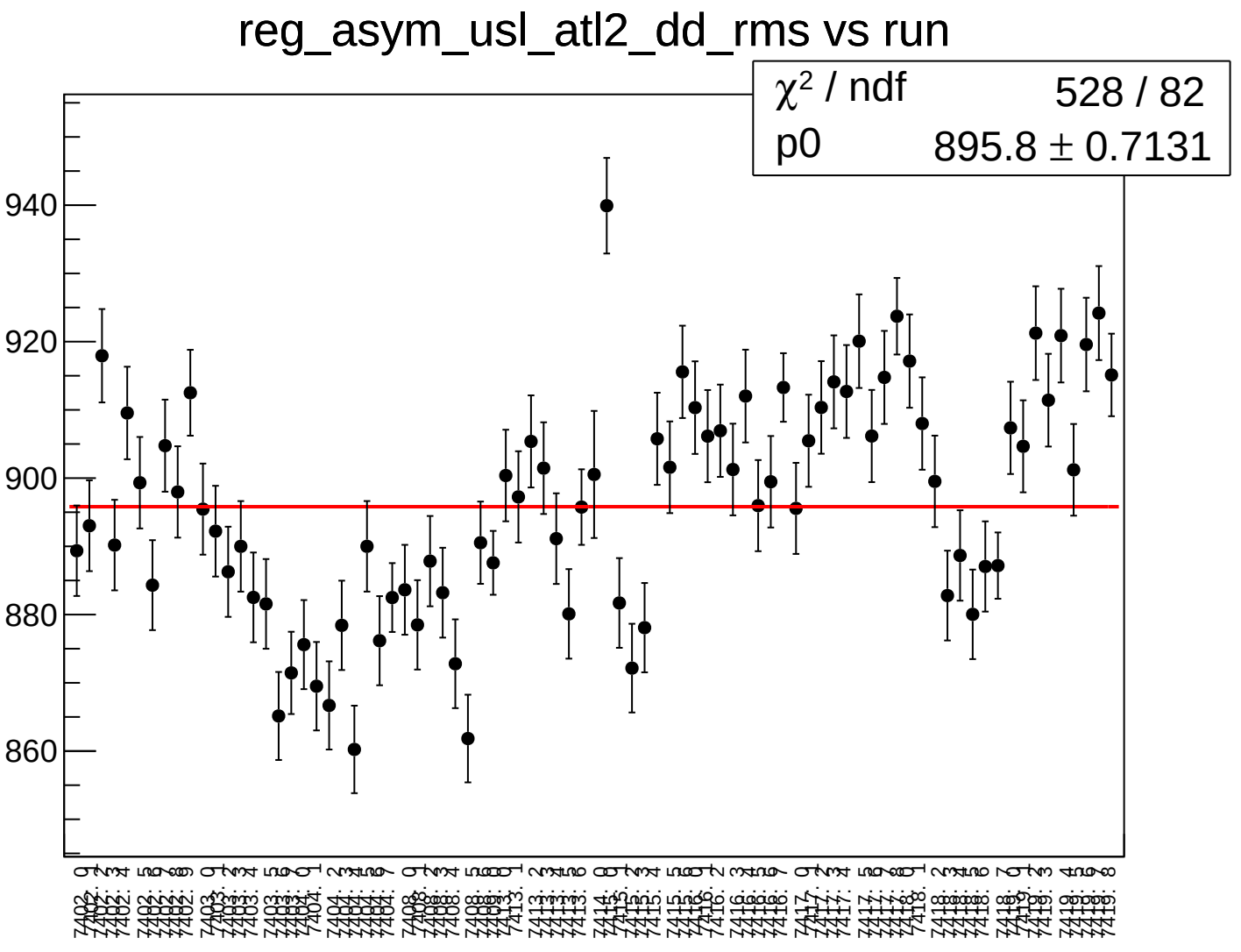

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.95 / 82
p0 6.806e−16 ± 4.259e−14
pull
Entries 83
Mean 29.53
Std Dev 16.59

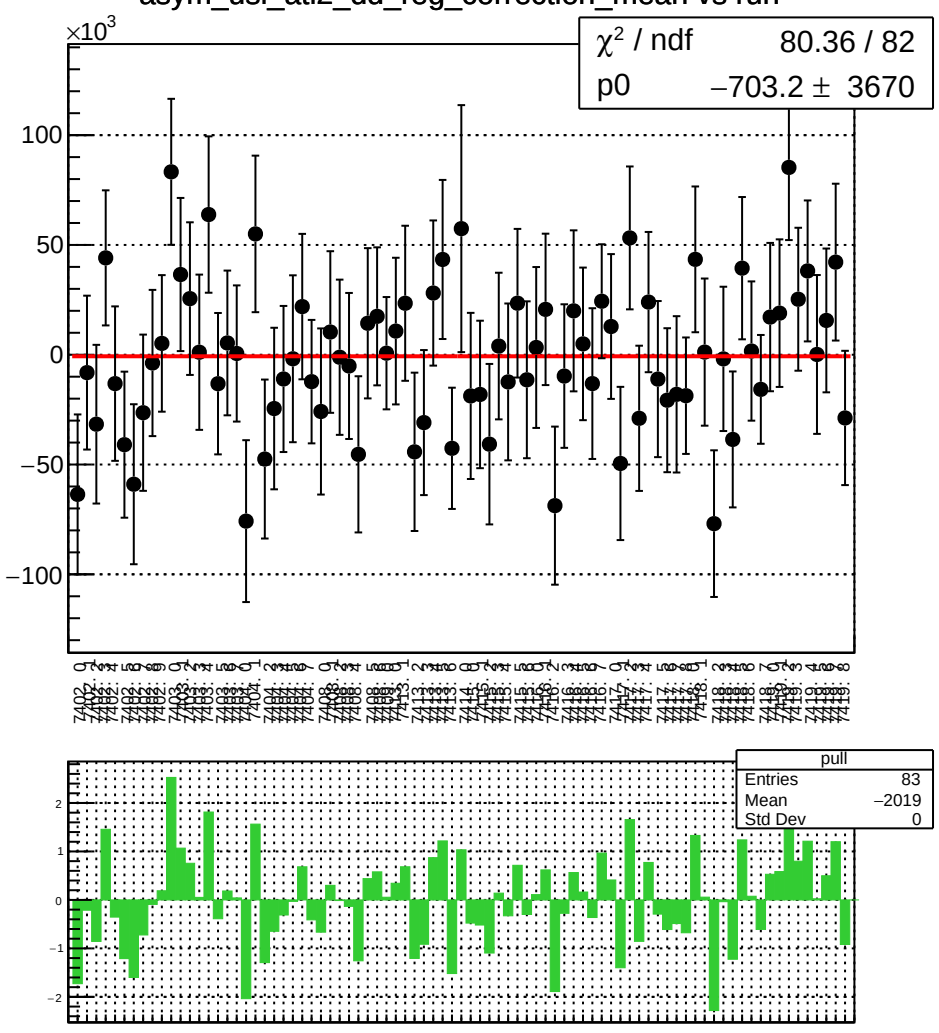

pull1D
Entries 83
Mean 0.104
Std Dev 0.9635

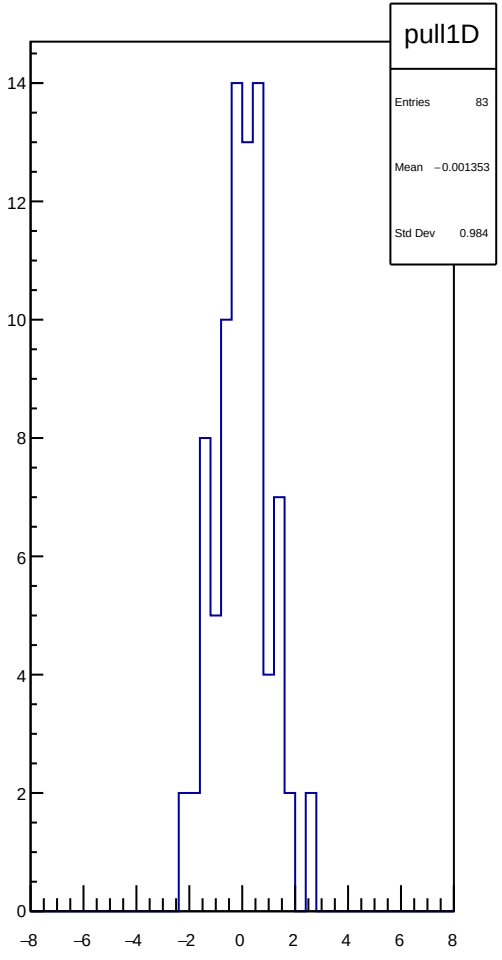

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.271e+05 / 82
p0 3.369e−11 ± 3.011e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

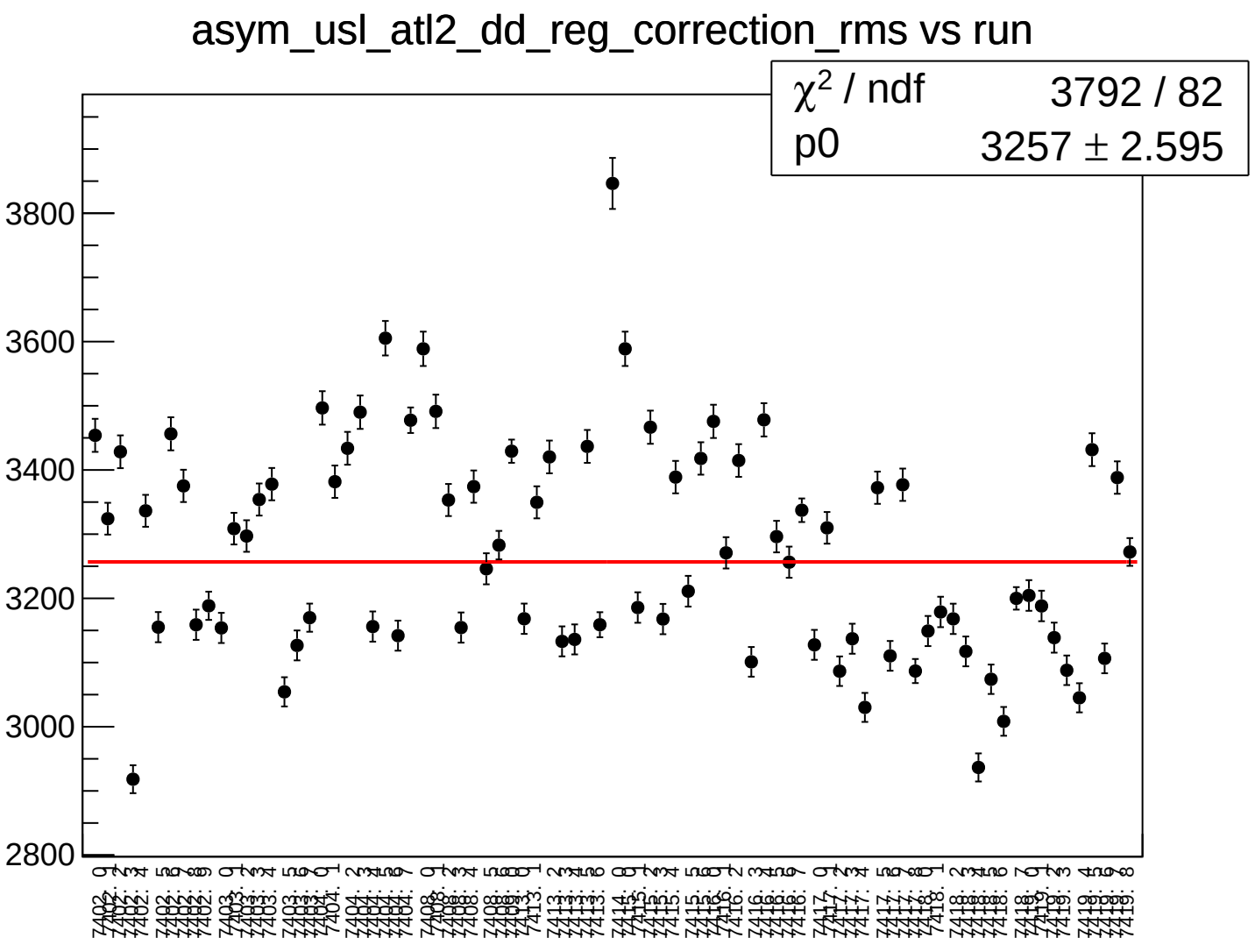

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 80.44 / 82
p0 1279 ± 1008
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −22.56
Std Dev 0
3
2
1
0
−1
−2

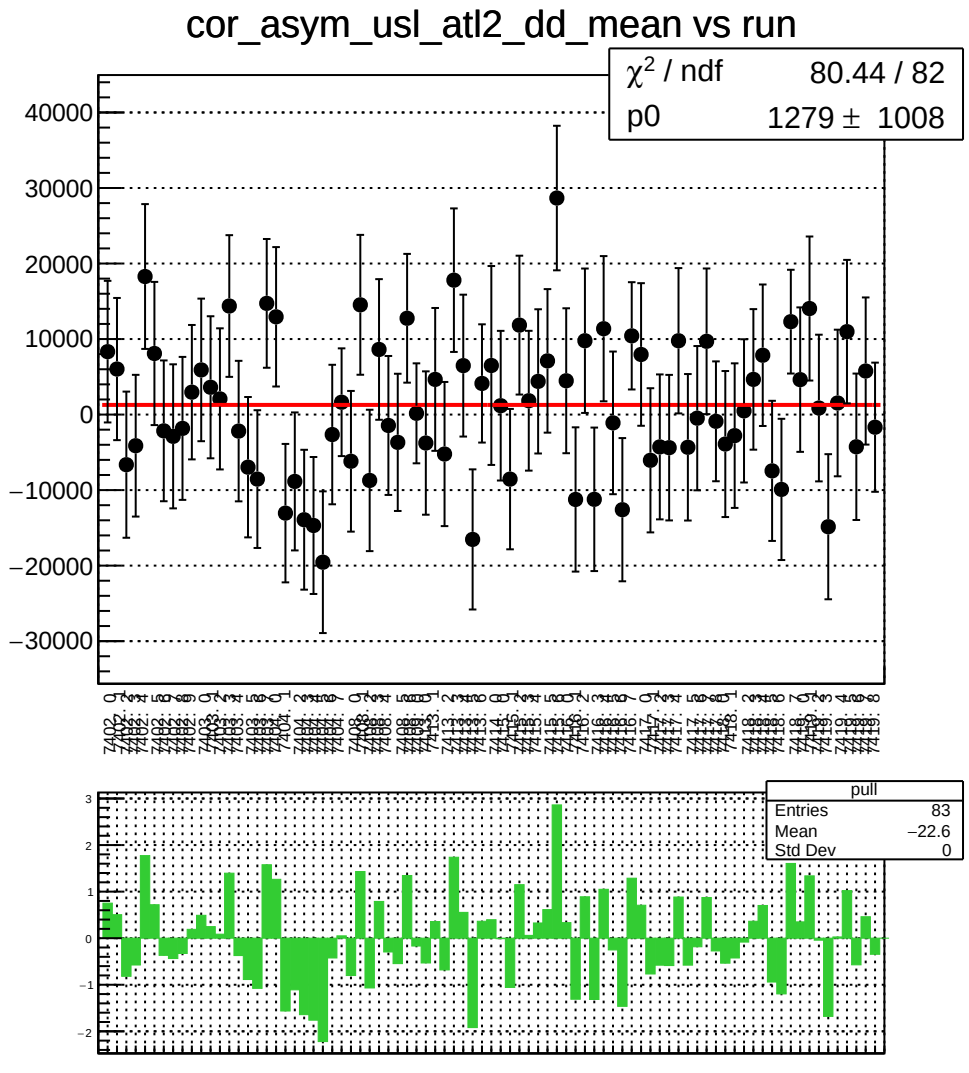

pull1D
Entries 83
Mean −0.01052
Std Dev 0.9844
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

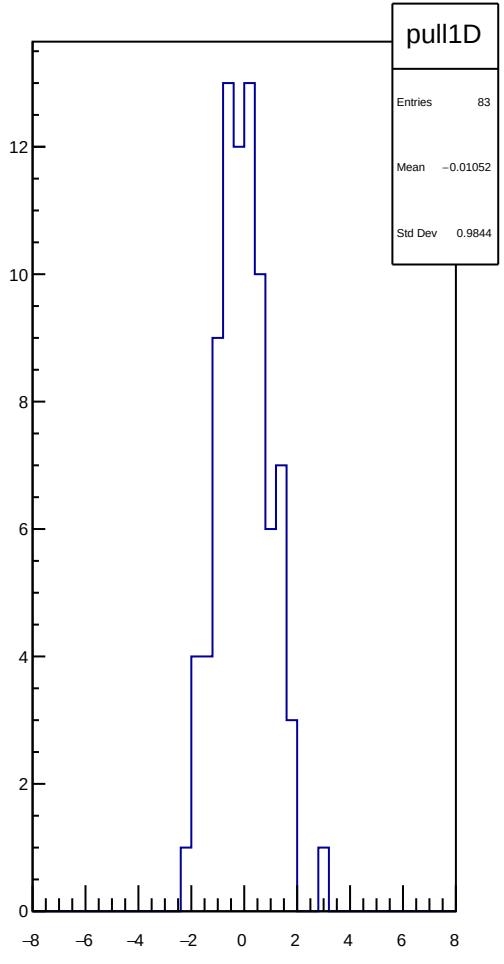

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 528 / 82
p0 895.8 ± 0.7131
940
920
900
880
860

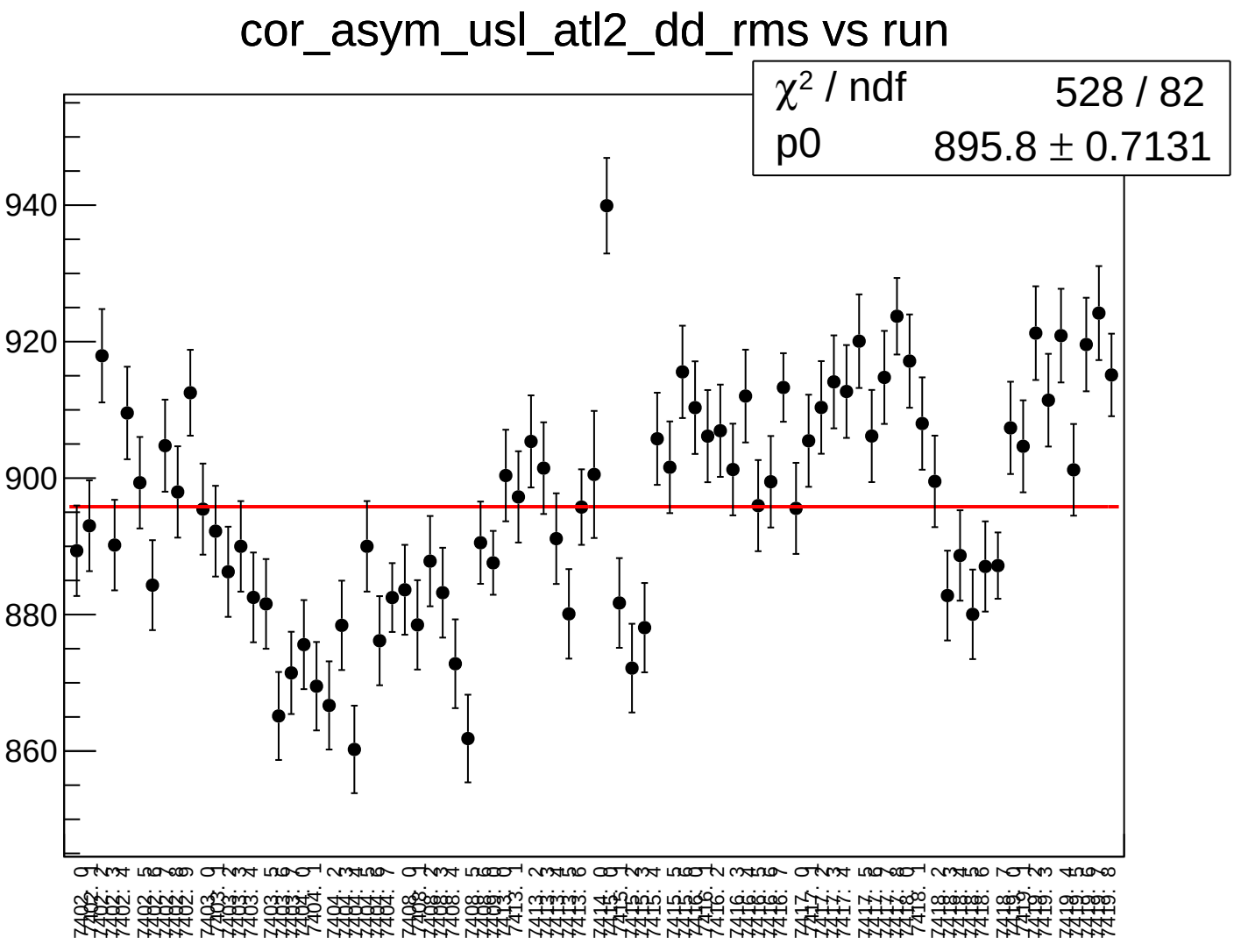

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 80.36 / 82
p0 −703.2 ± 3670
100
50
0
−50
−100
pull
Entries 83
Mean −2019
Std Dev 0
2
1
0
−1
−2

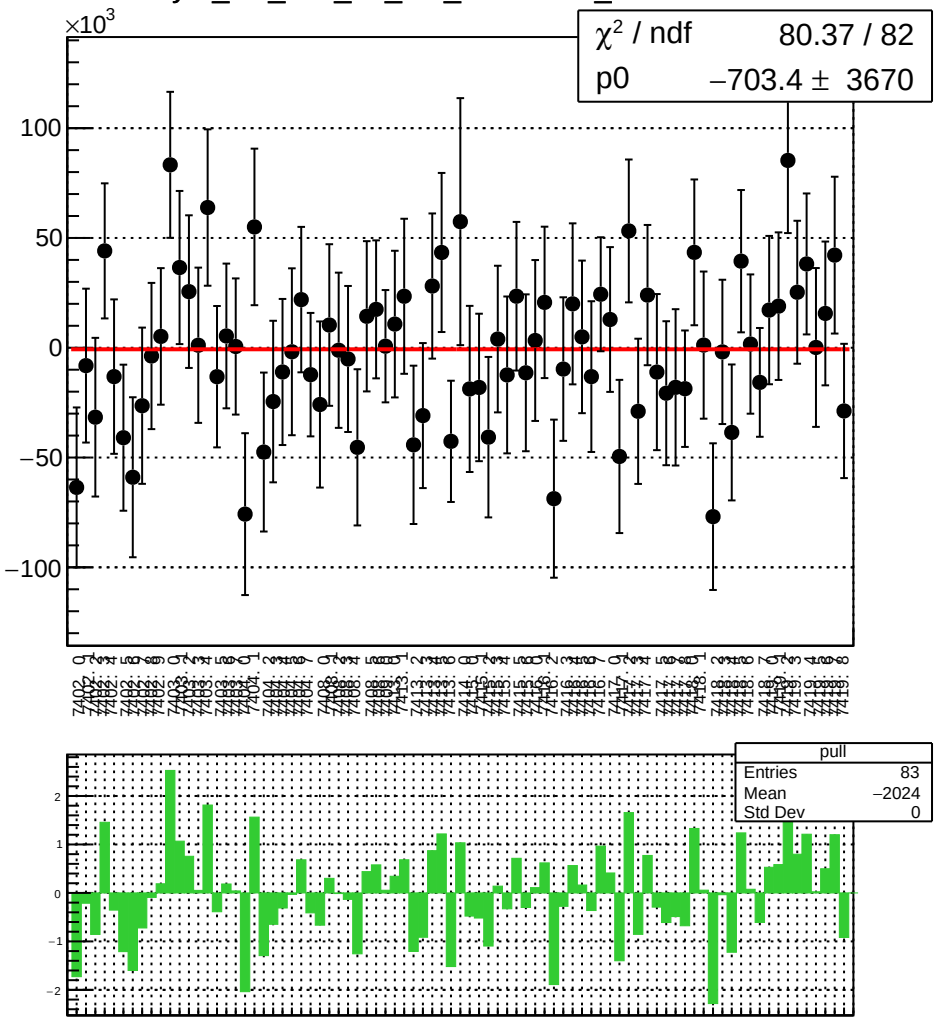

pull1D
Entries 83
Mean −0.001353
Std Dev 0.984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

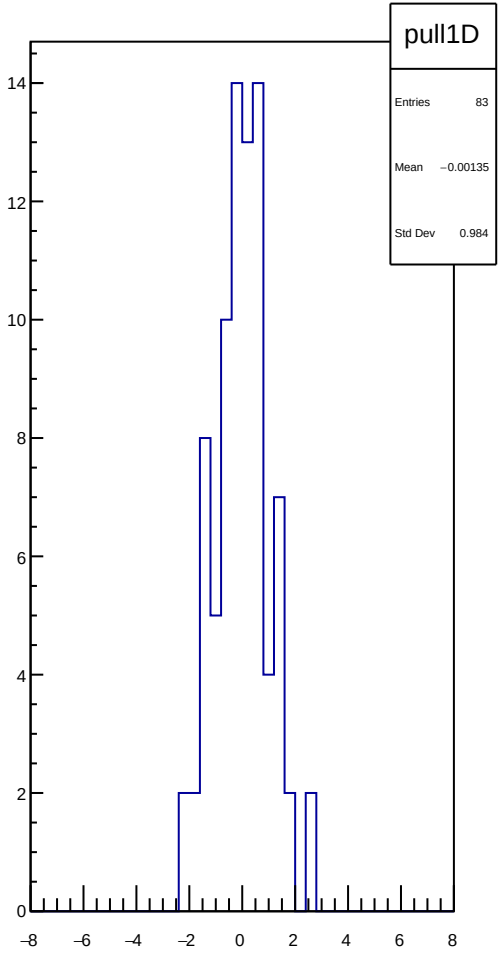

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 3792 / 82
p0 3257 ± 2.595
3800
3600
3400
3200
3000
2800

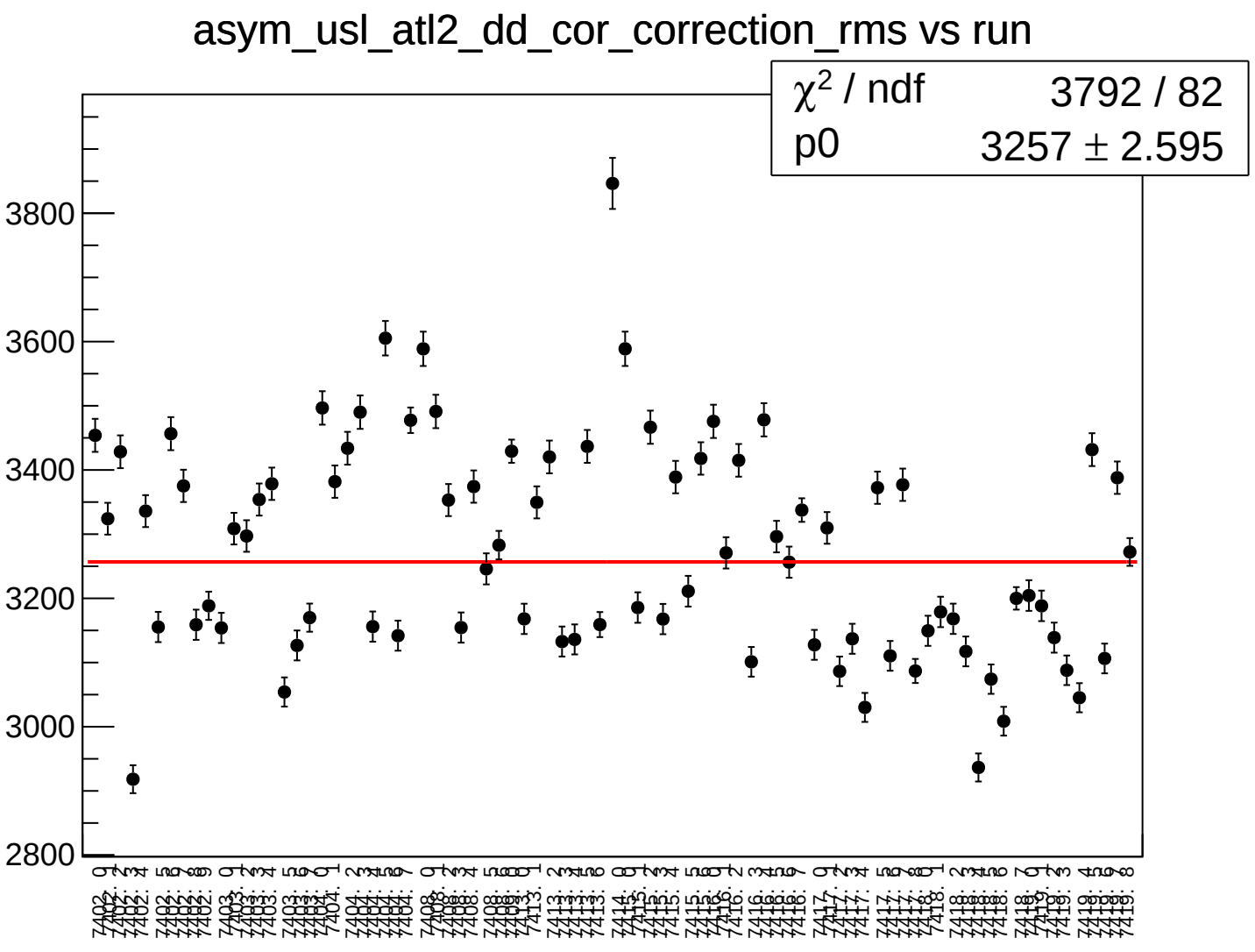

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 80.44 / 82
p0 1279 ± 1008
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −22.6
Std Dev 0
3
2
1
0
−1
−2

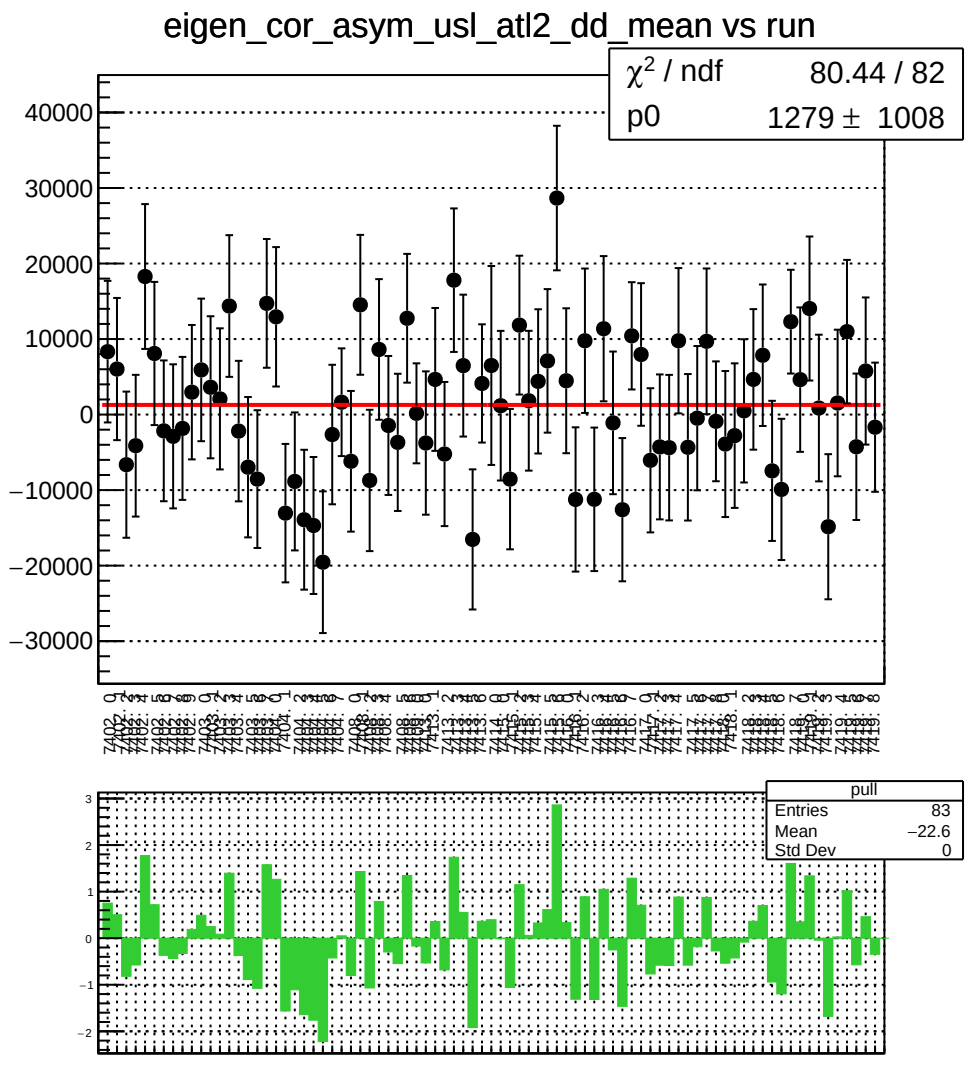

pull1D
Entries 83
Mean −0.01052
Std Dev 0.9844
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

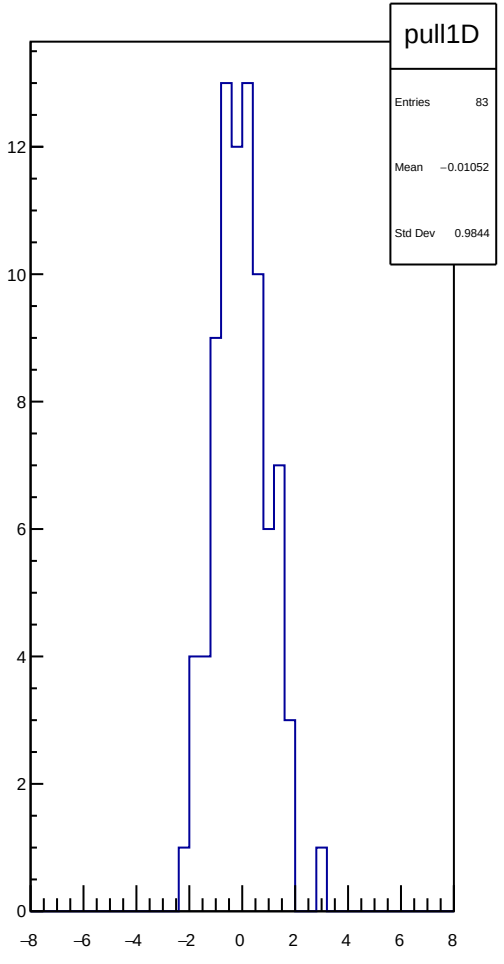

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 528 / 82
p0 895.8 ± 0.7131
940
920
900
880
860

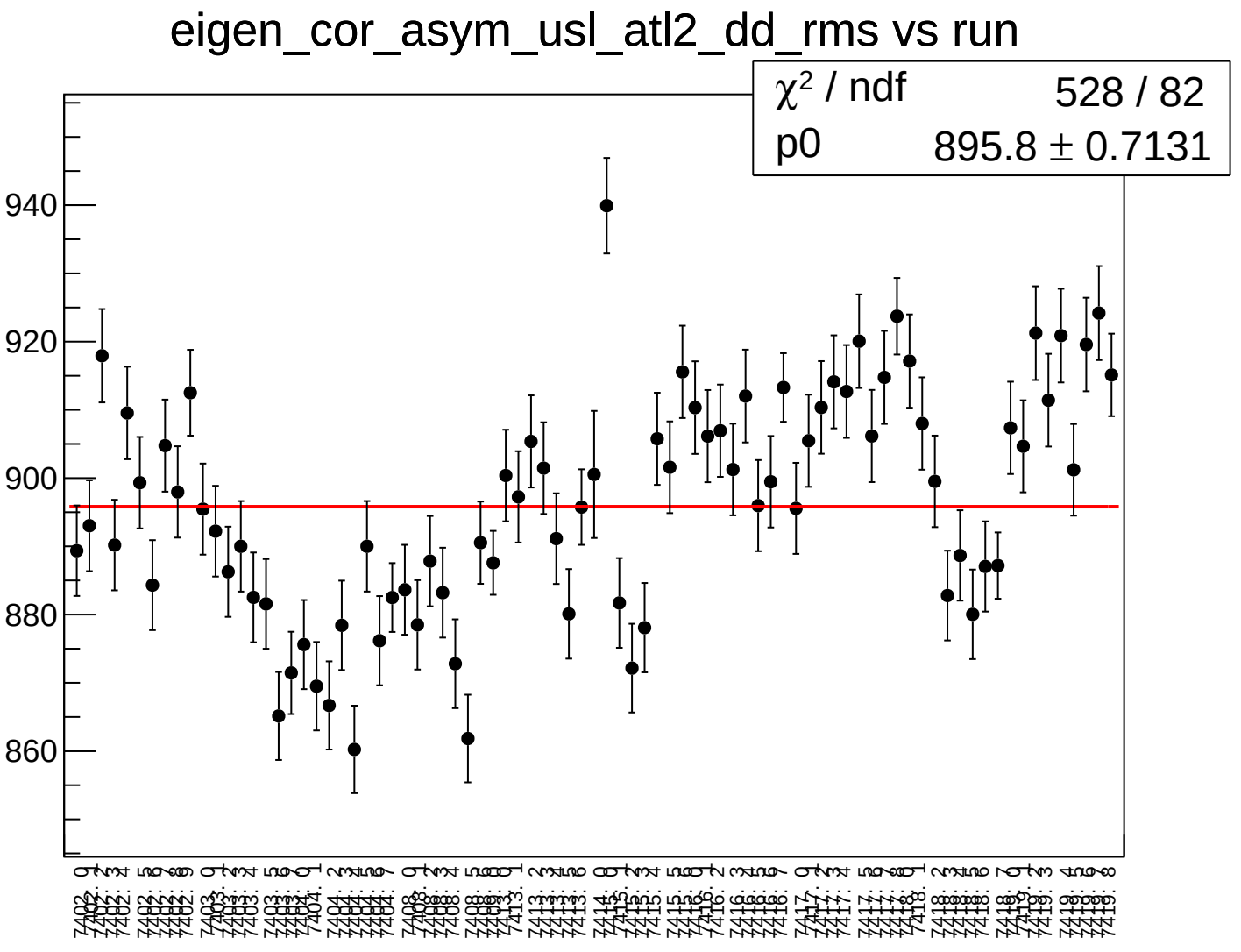

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 80.37 / 82
p0 −703.4 ± 3670
100
50
0
−50
−100
pull
Entries 83
Mean −2024
Std Dev 0
2
1
0
−1
−2

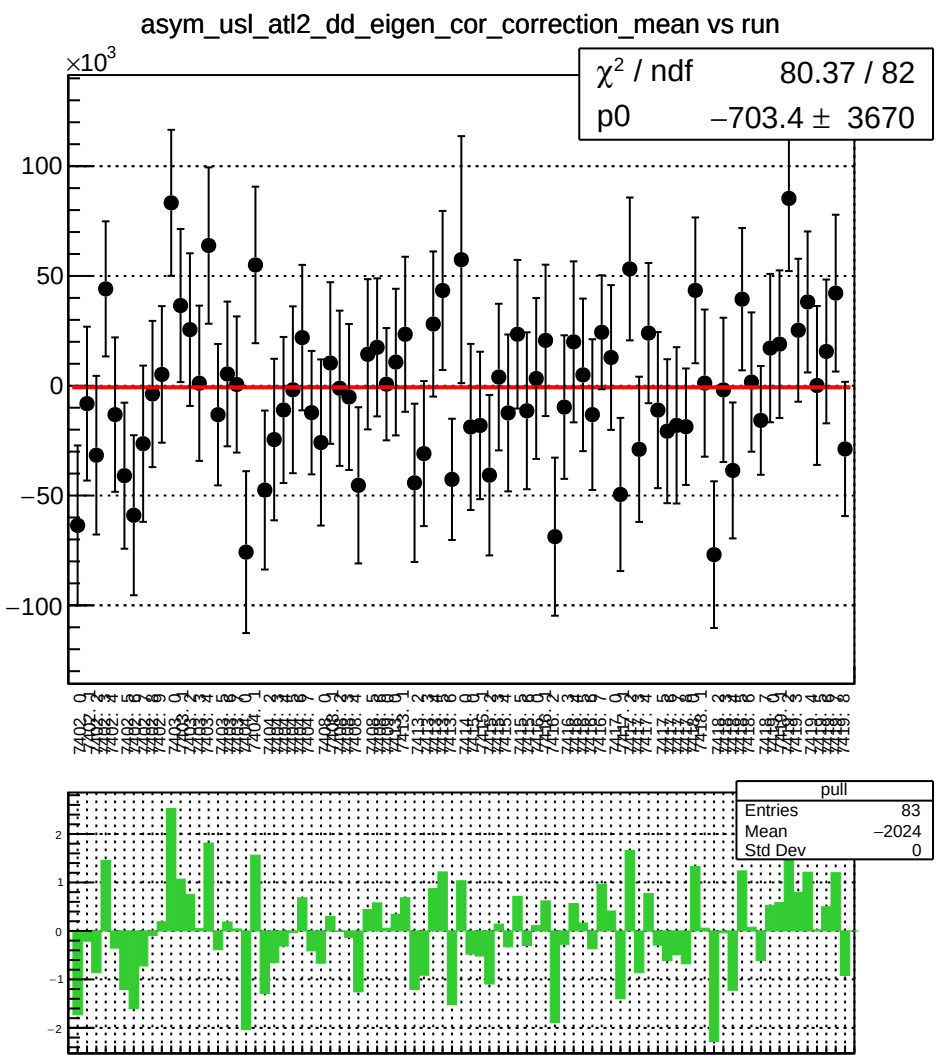

pull1D
Entries 83
Mean −0.00135
Std Dev 0.984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

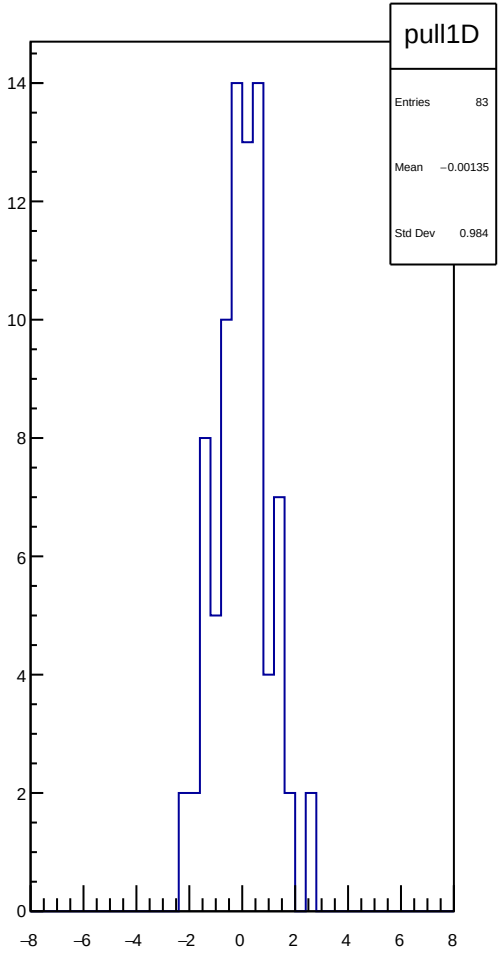

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 3792 / 82
p0 3257 ± 2.595
3800
3600
3400
3200
3000
2800

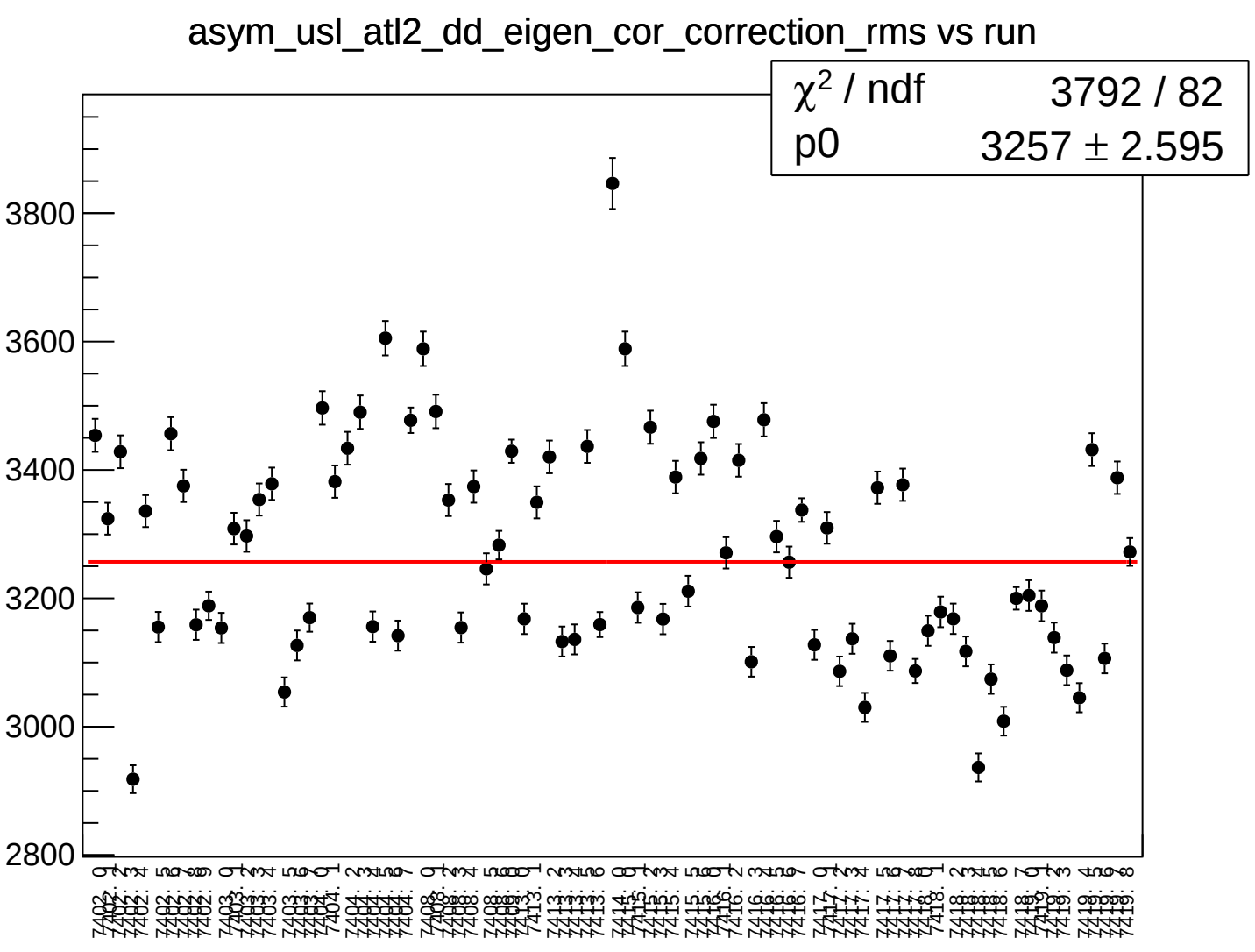

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 80.44 / 82
p0 1279 ± 1008
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −22.6
Std Dev 0
3
2
1
0
−1
−2

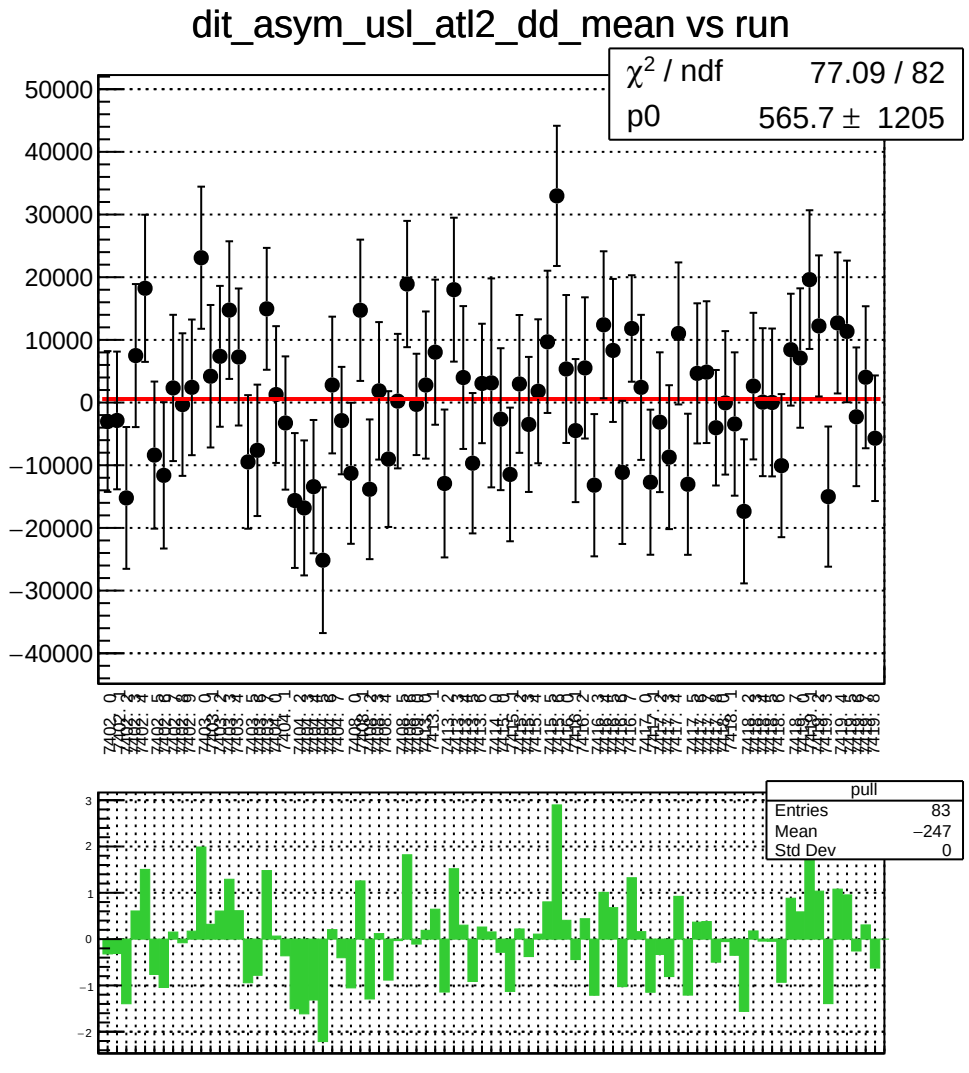

pull1D
Entries 83
Mean −0.01052
Std Dev 0.9844
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

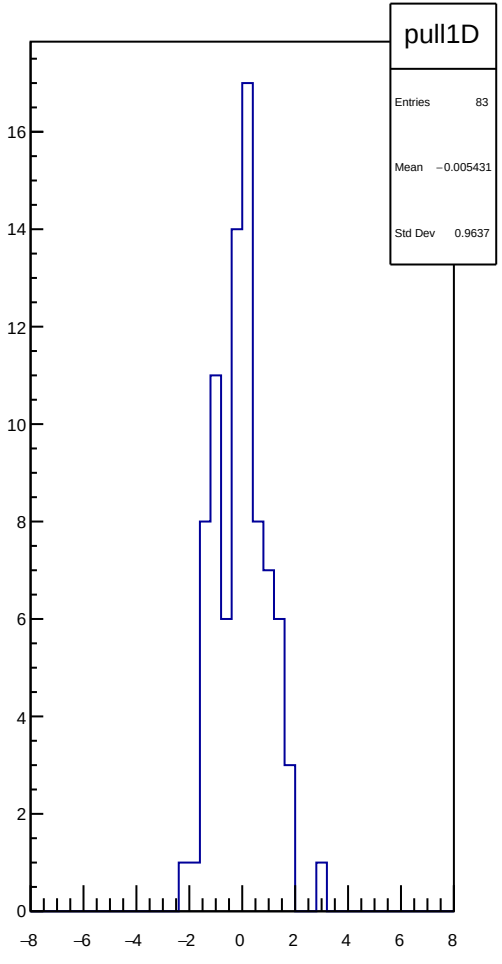

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 528 / 82
p0 895.8 ± 0.7131
940
920
900
880
860

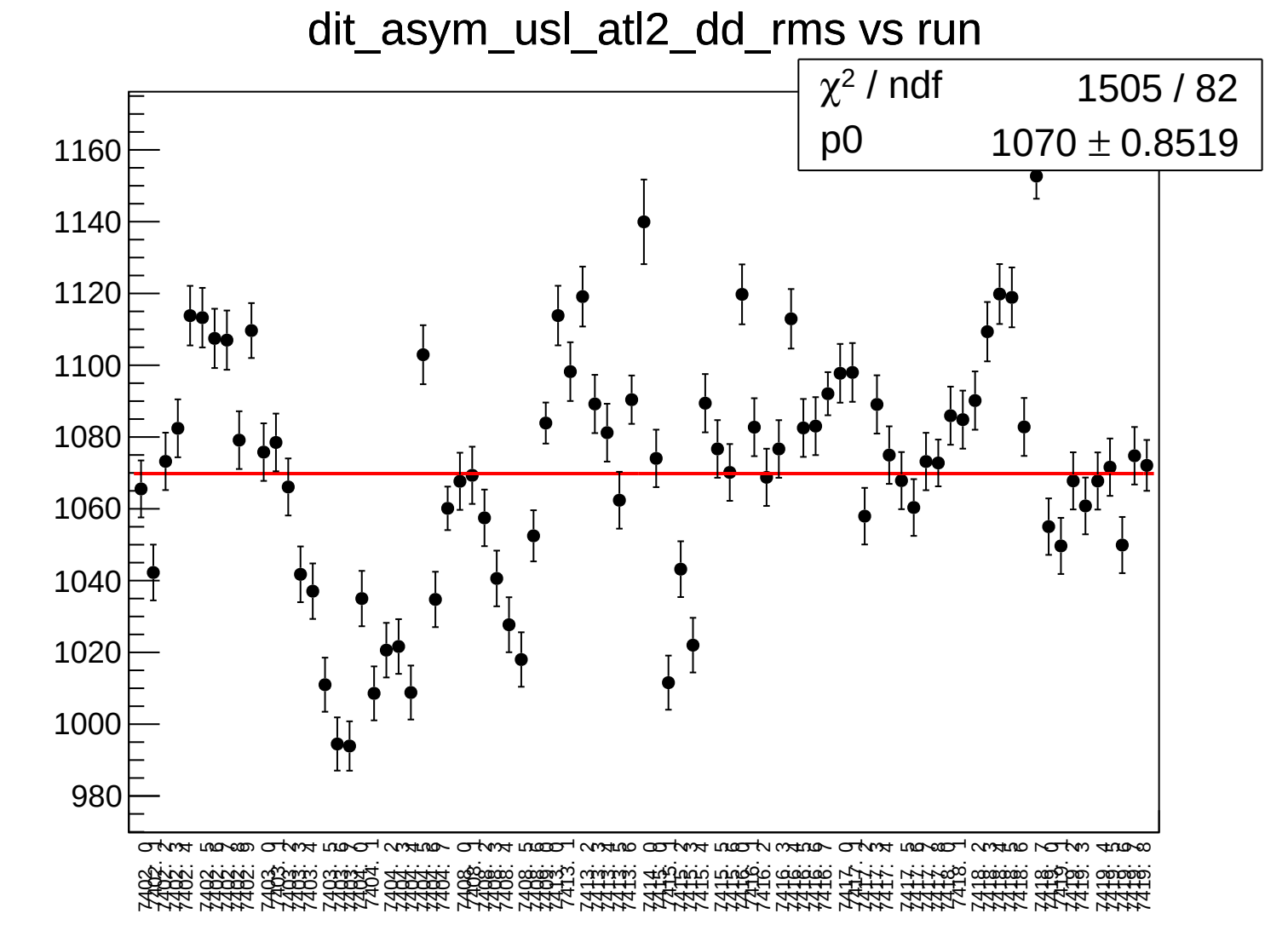

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.37 / 82
p0 −703.4 ± 3670
100
50
0
−50
−100
pull
Entries 83
Mean −2024
Std Dev 0
2
1
0
−1
−2

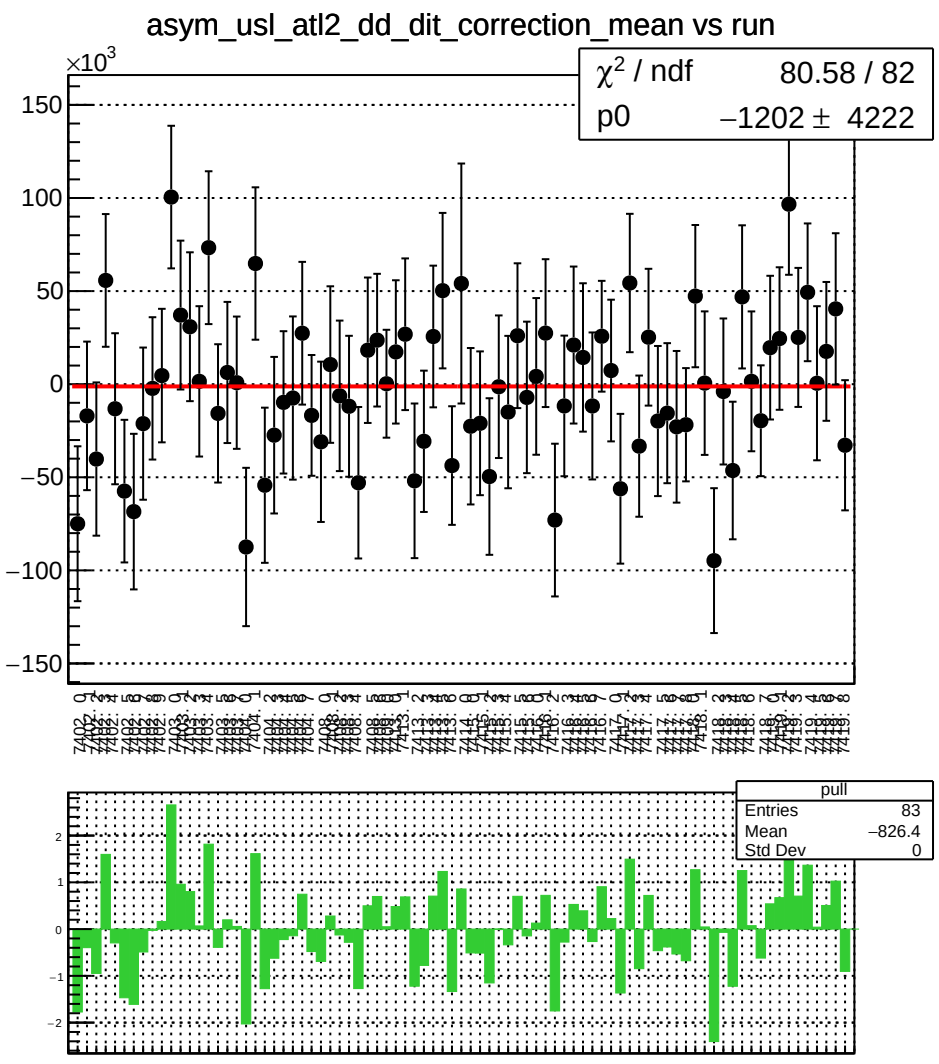

pull1D
Entries 83
Mean −0.00135
Std Dev 0.984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

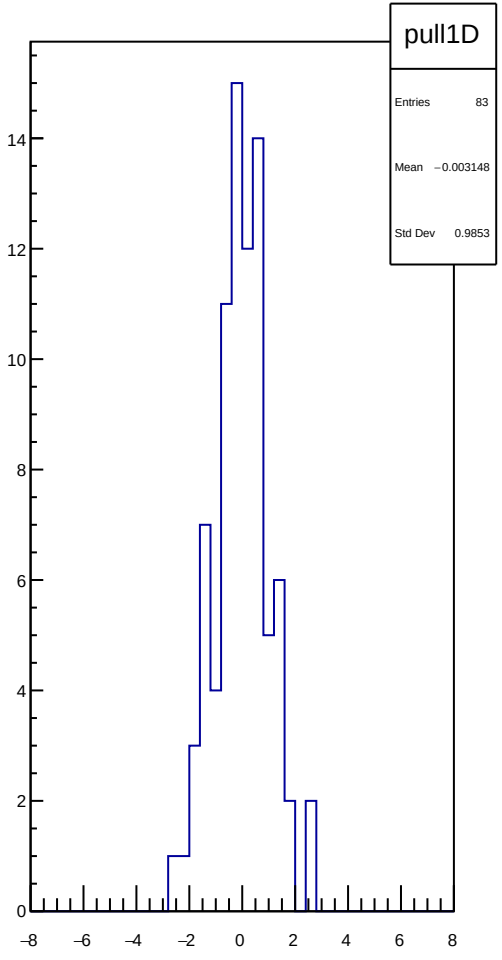

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3792 / 82
p0 3257 ± 2.595
3800
3600
3400
3200
3000
2800

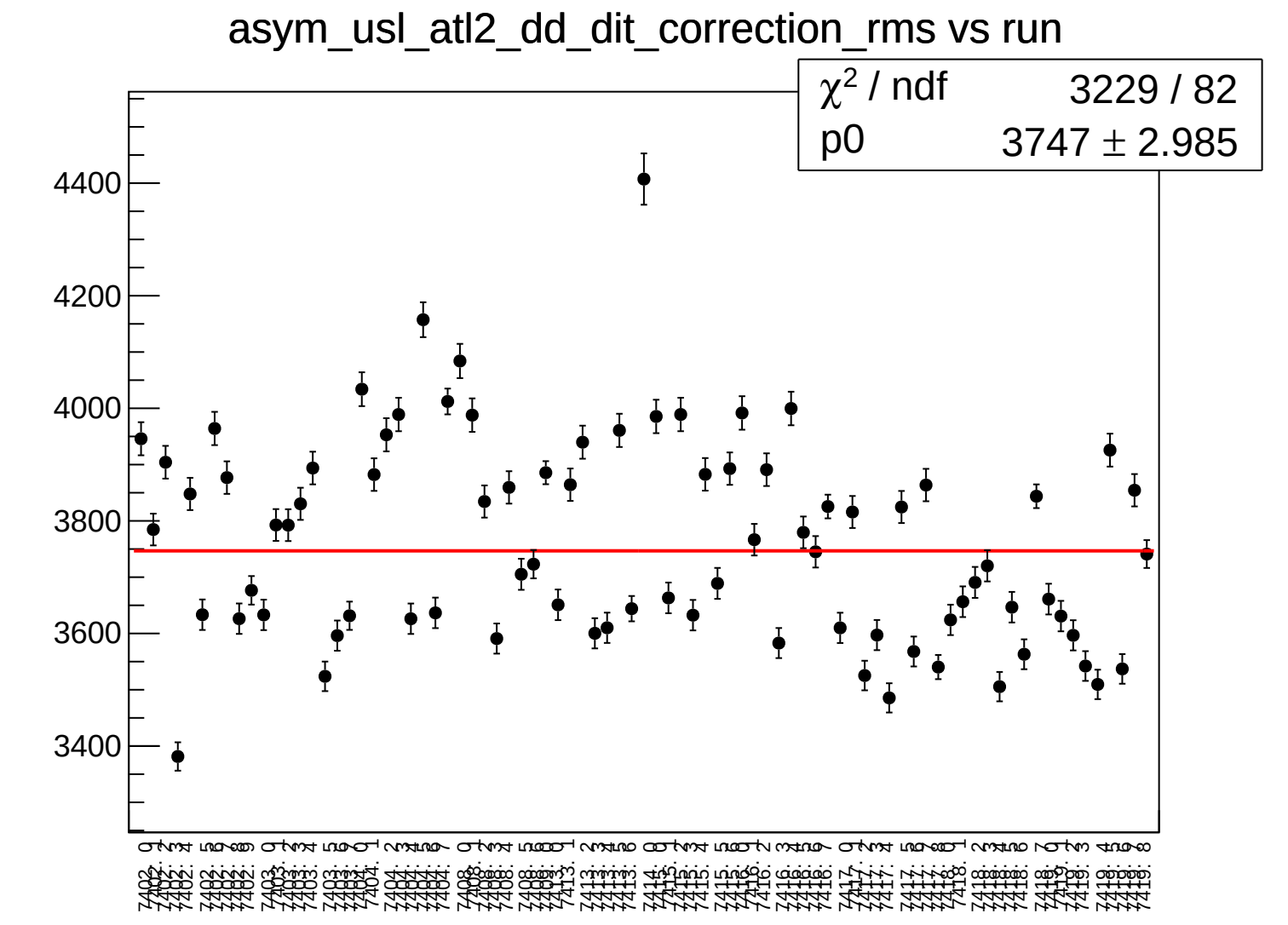

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 77.09 / 82
p0 565.7 ± 1205
pull
Entries 83
Mean −247
Std Dev 0

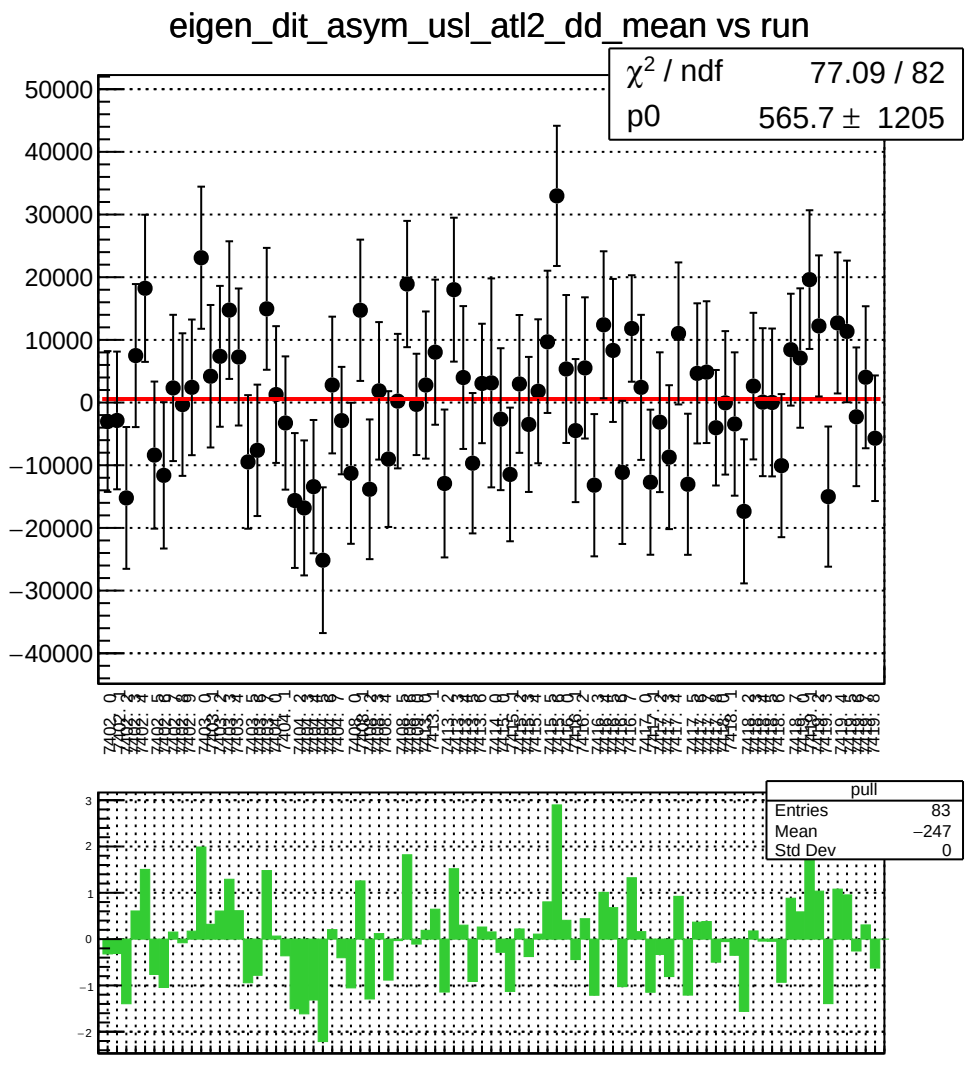

pull1D
Entries 83
Mean −0.005431
Std Dev 0.9637

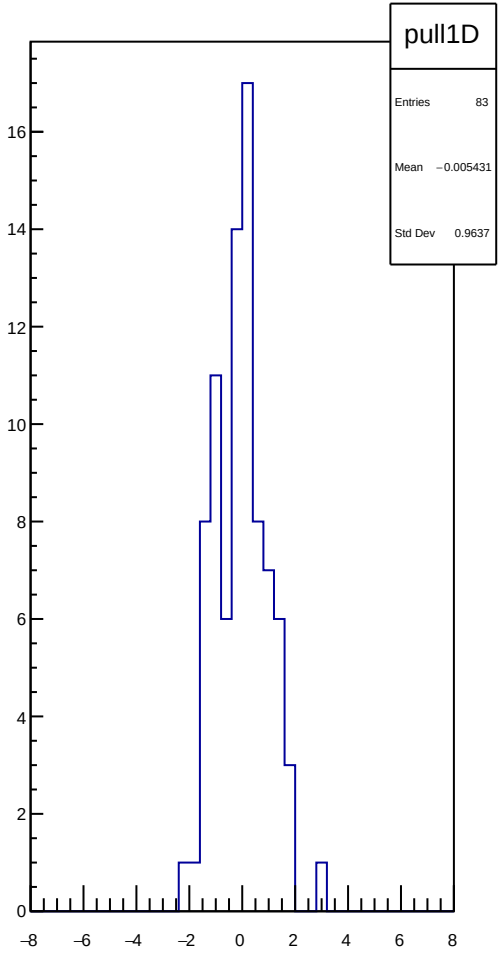

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1505 / 82
p0 1070 ± 0.8519
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

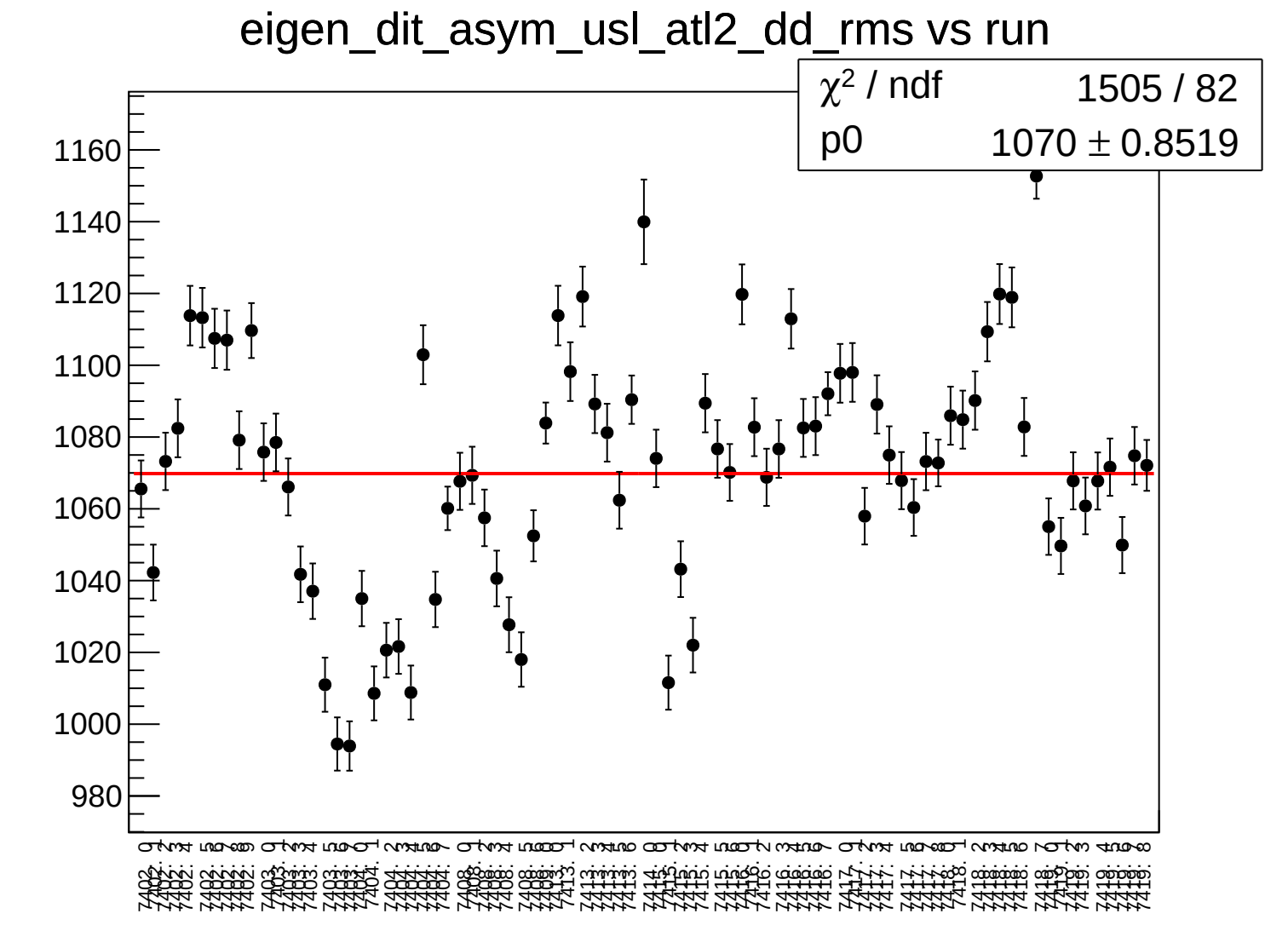

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 80.58 / 82
p0 −1202 ± 4222
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −826.4
Std Dev 0
2
1
0
−1
−2

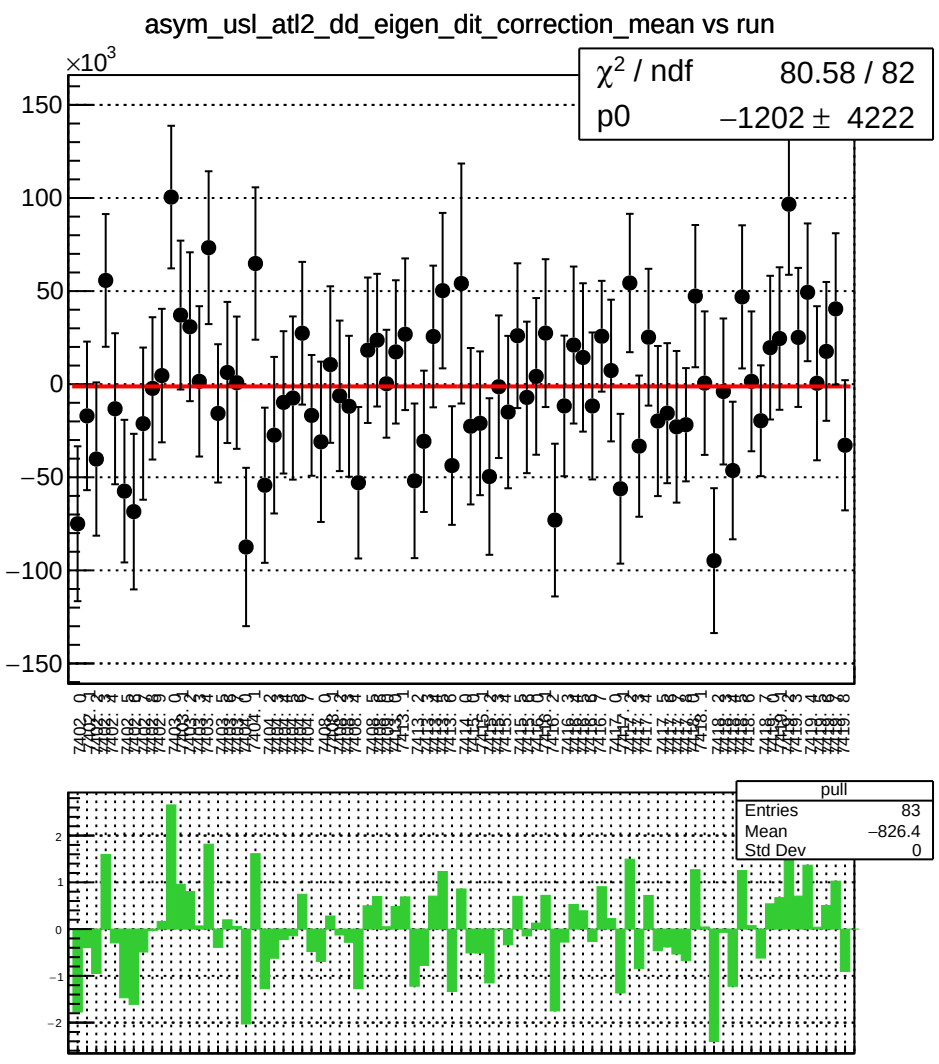

pull1D
Entries 83
Mean −0.003148
Std Dev 0.9853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

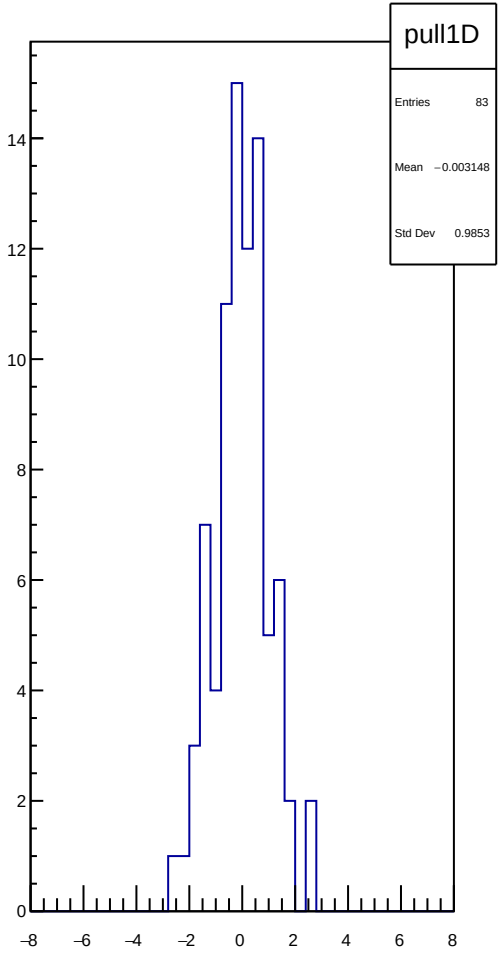

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 3229 / 82
p0 3747 ± 2.985
4400
4200
4000
3800
3600
3400

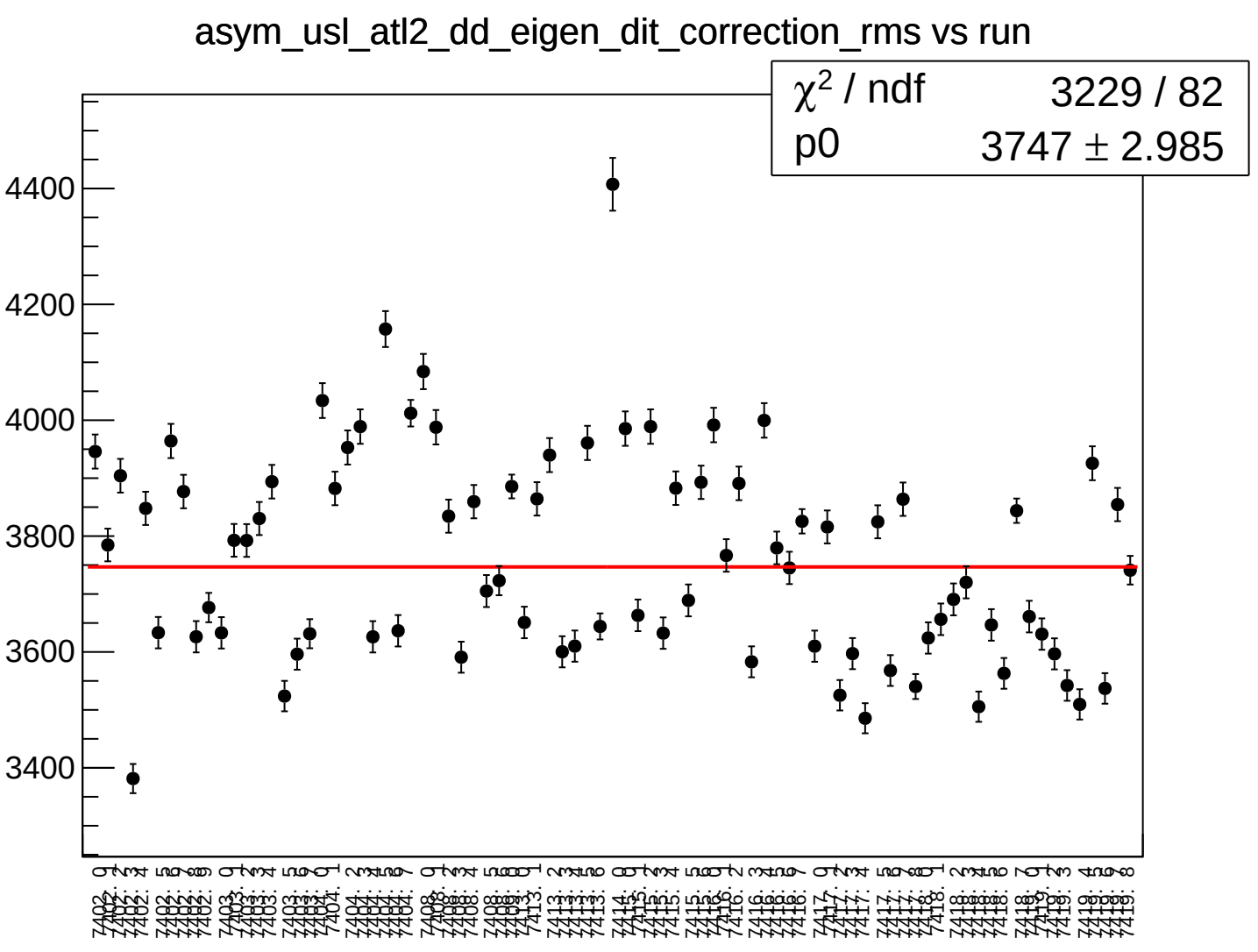

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 77.09 / 82
p0 565.7 ± 1205
pull
Entries 83
Mean −247
Std Dev 0

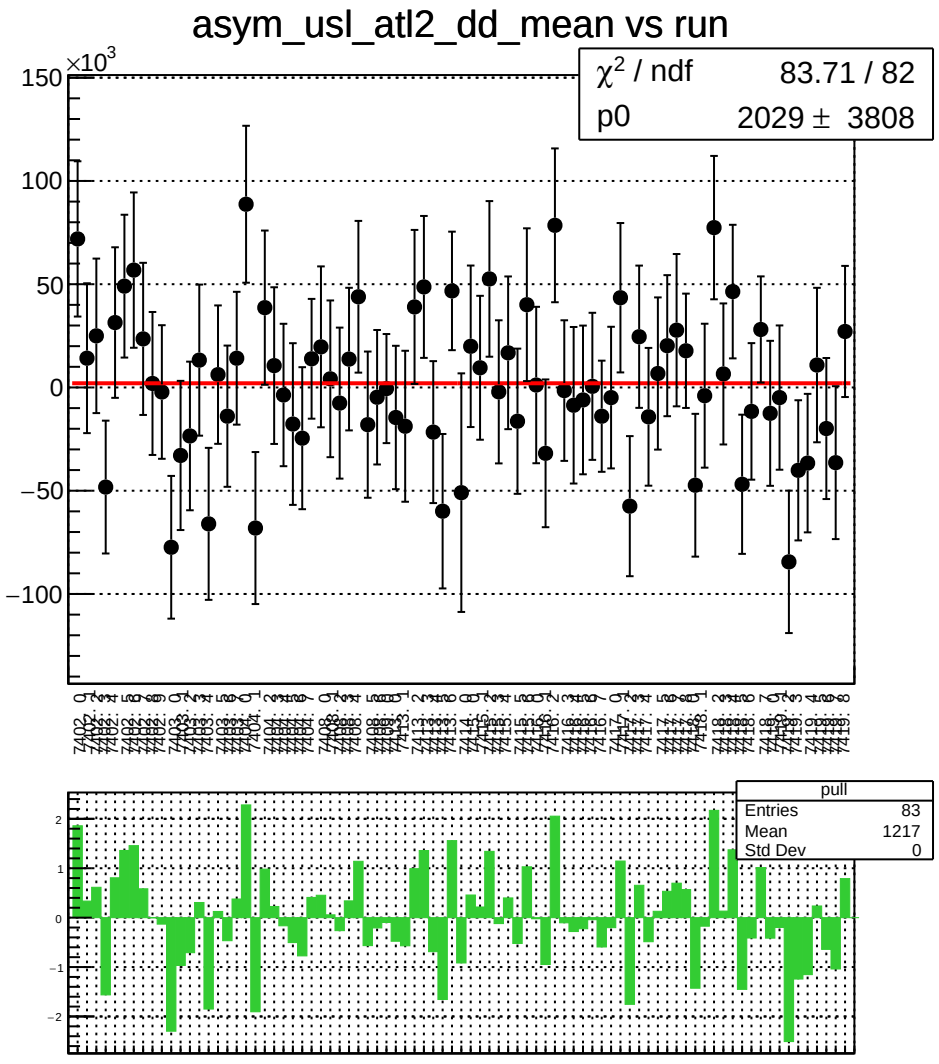

pull1D
Entries 83
Mean −0.005431
Std Dev 0.9637

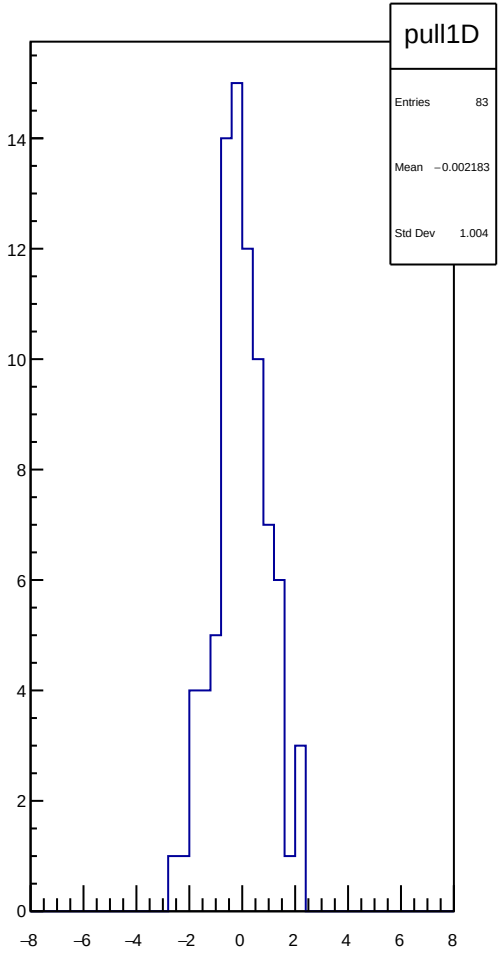

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 1505 / 82
p0 1070 ± 0.8519
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

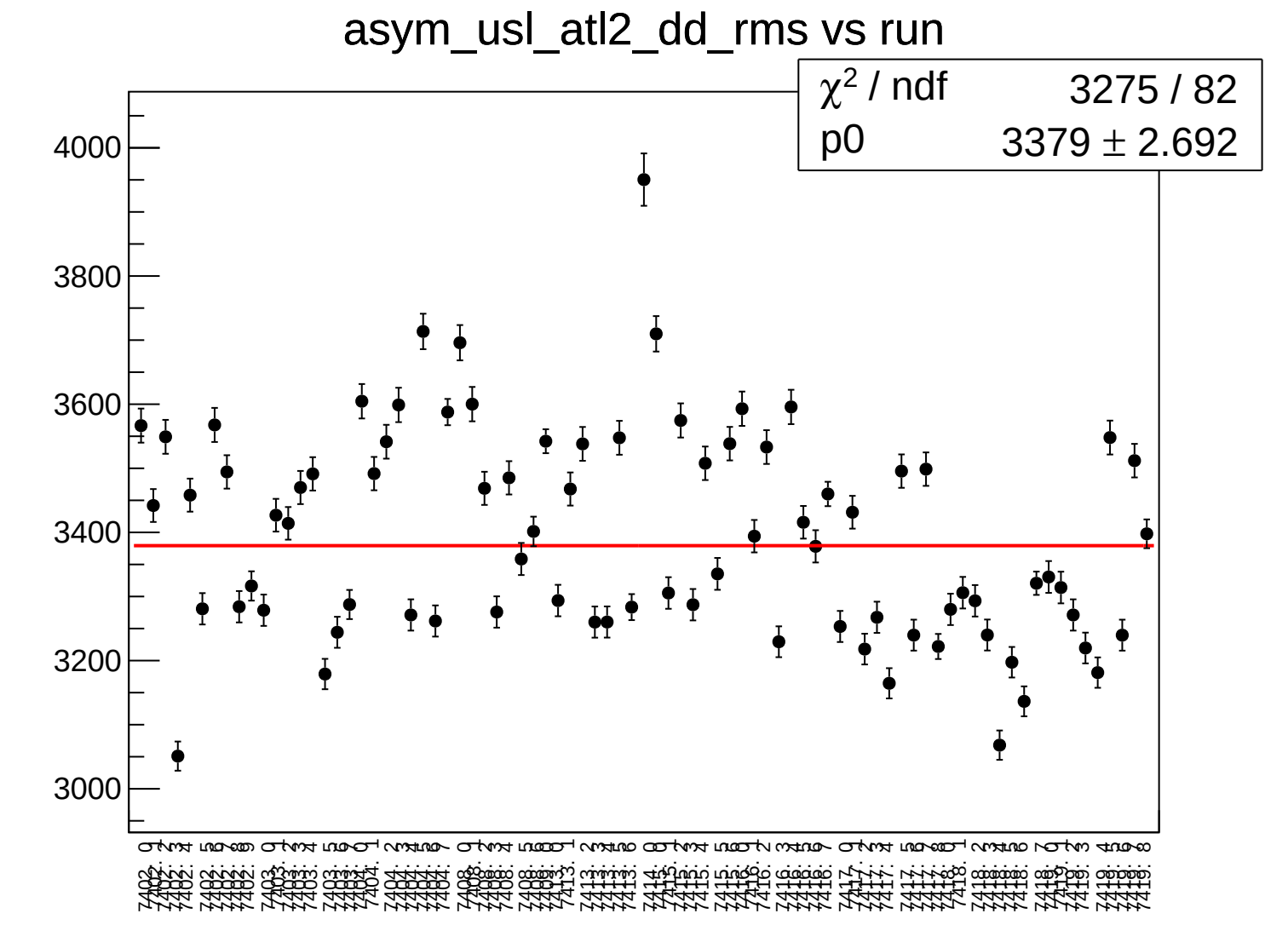

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.58 / 82
p0 −1202 ± 4222
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −826.4
Std Dev 0
2
1
0
−1
−2

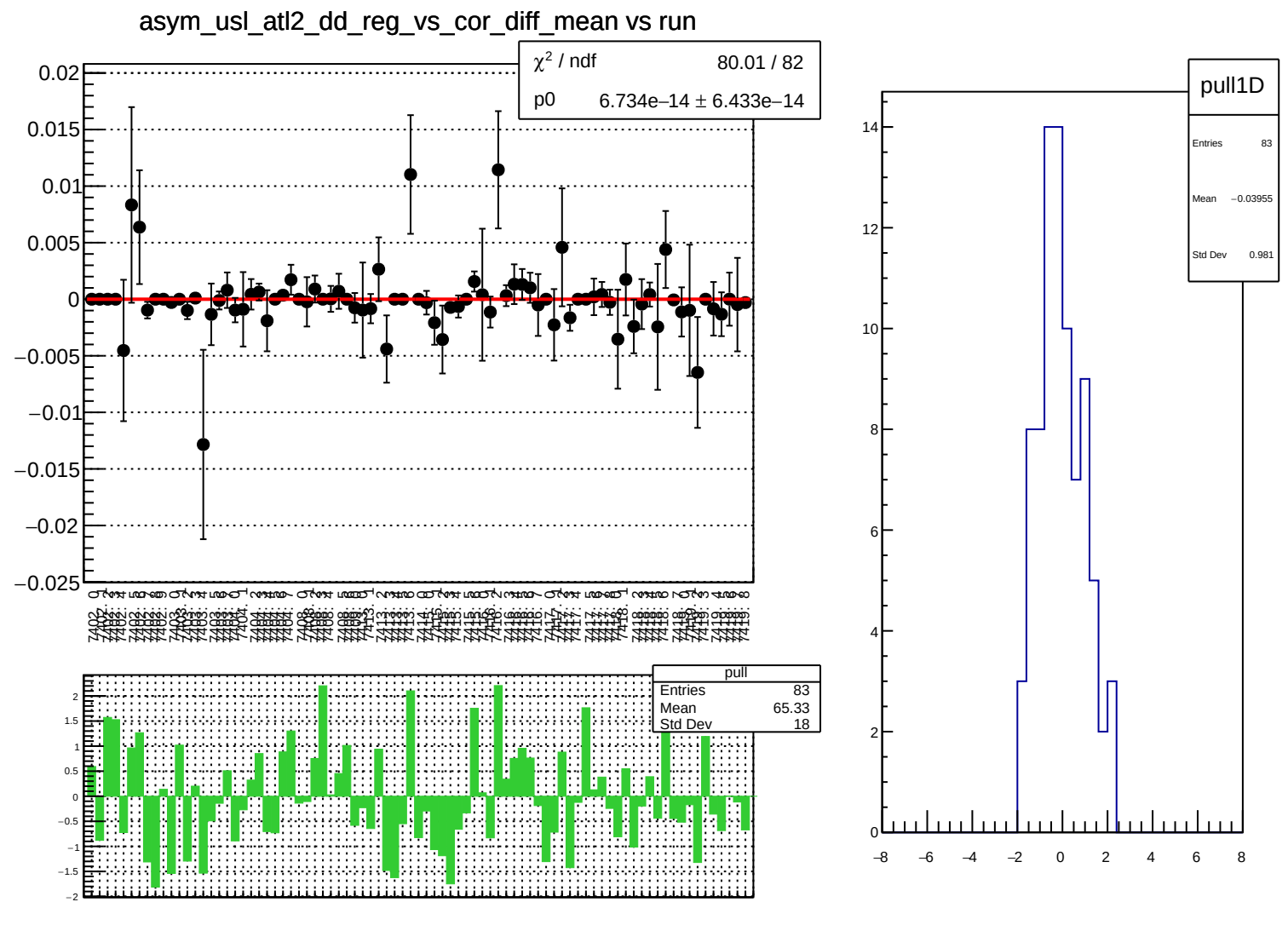

pull1D
Entries 83
Mean −0.003148
Std Dev 0.9853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

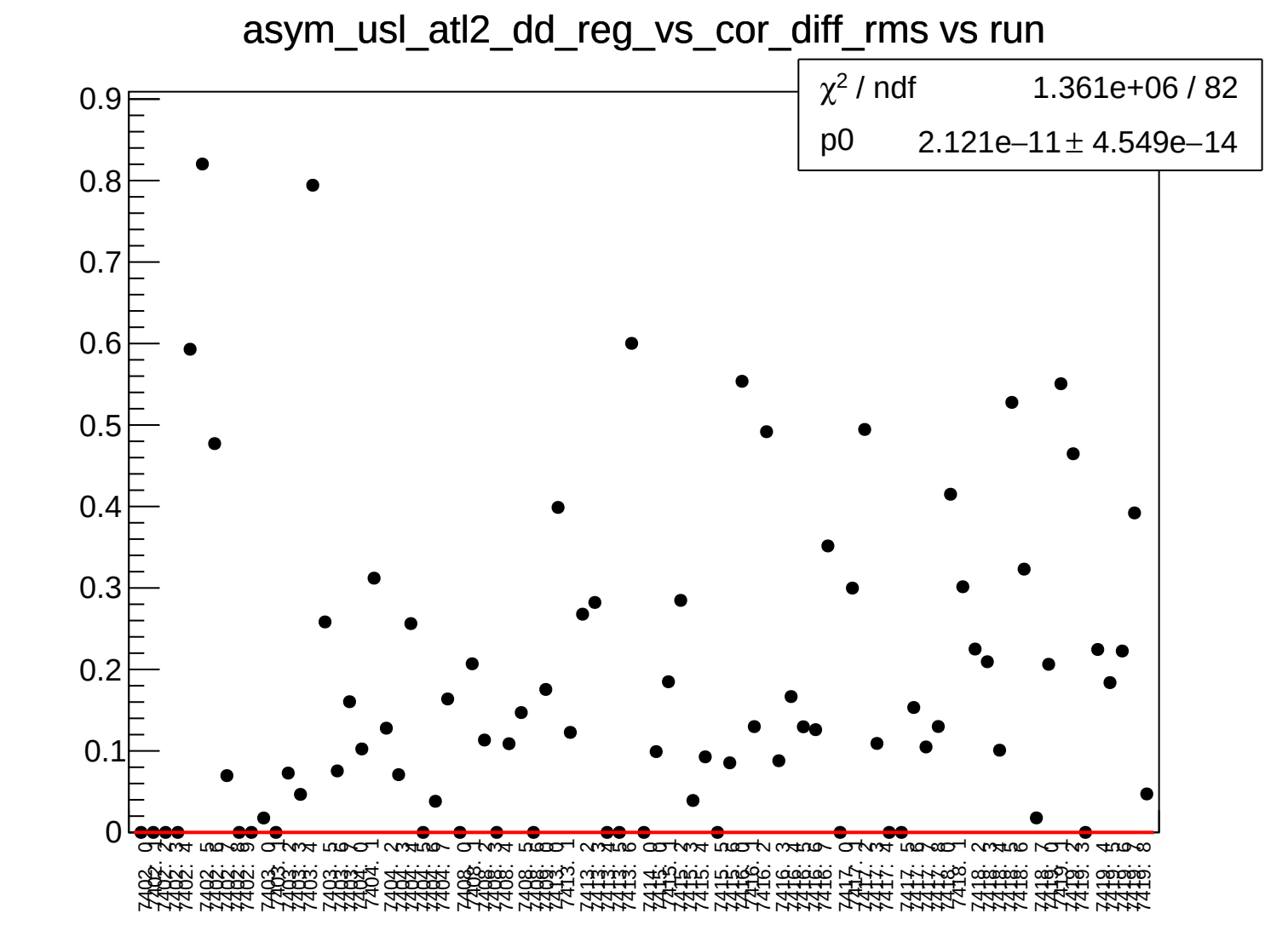

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3229 / 82
p0 3747 ± 2.985
4400
4200
4000
3800
3600
3400

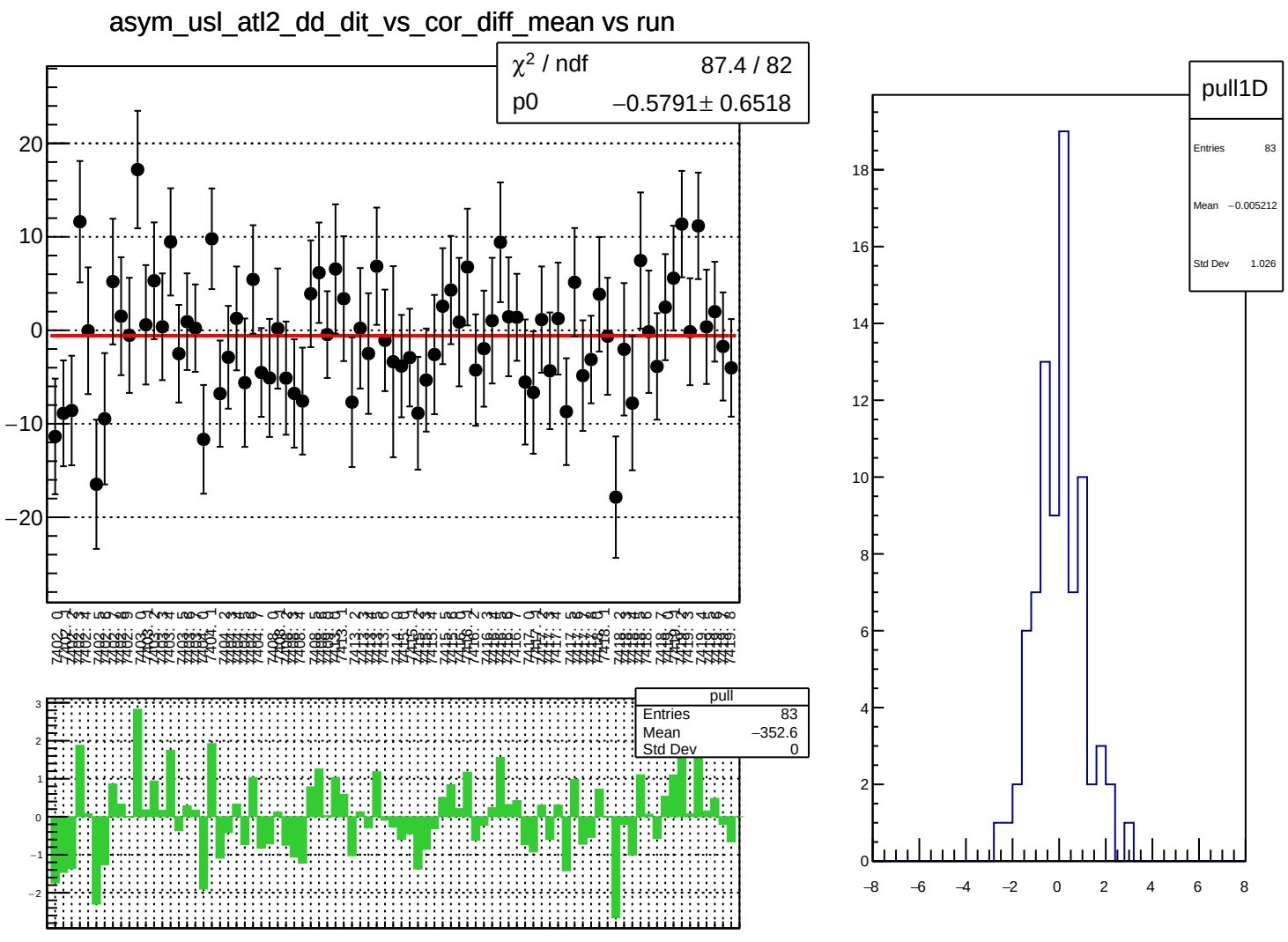

asym_usl_atl2_dd_mean vs run
×10^3
χ^2 / ndf 83.71 / 82
p0 2029 ± 3808
150
100
50
0
−50
−100
pull
Entries 83
Mean 1217
Std Dev 0
2
1
0
−1
−2

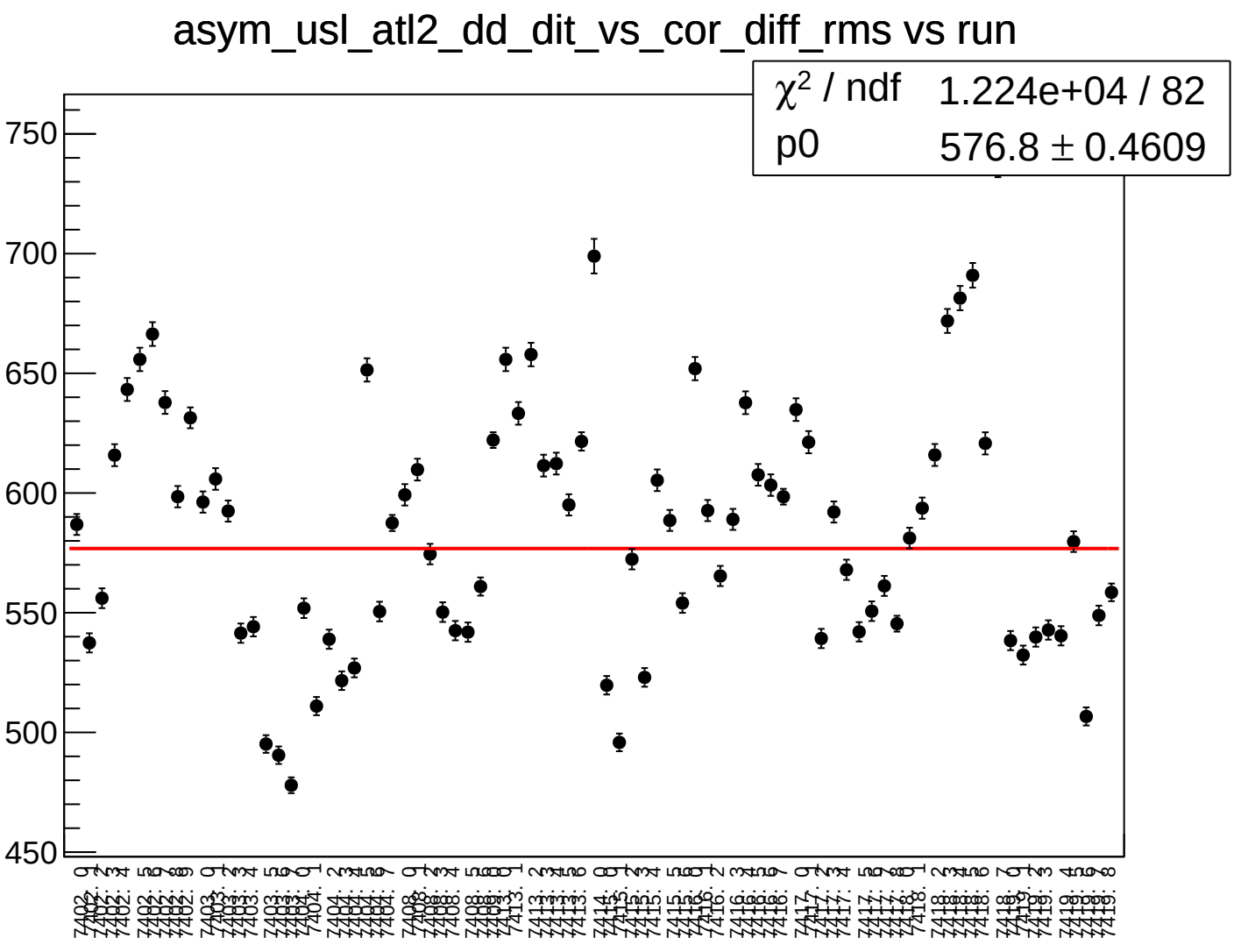

pull1D
Entries 83
Mean −0.002183
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

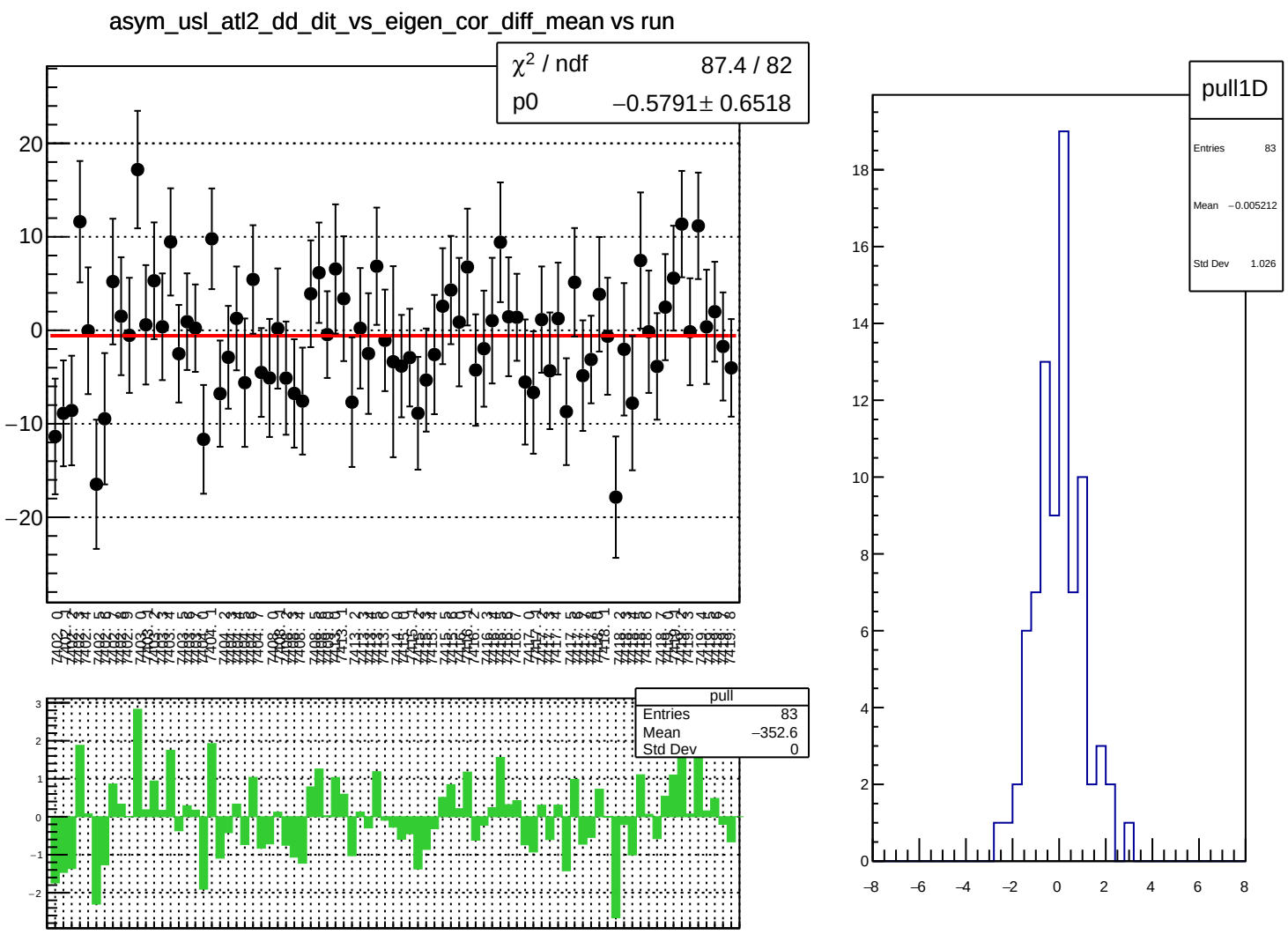

asym_usl_atl2_dd_rms vs run
χ² / ndf 3275 / 82
p0 3379 ± 2.692
4000
3800
3600
3400
3200
3000

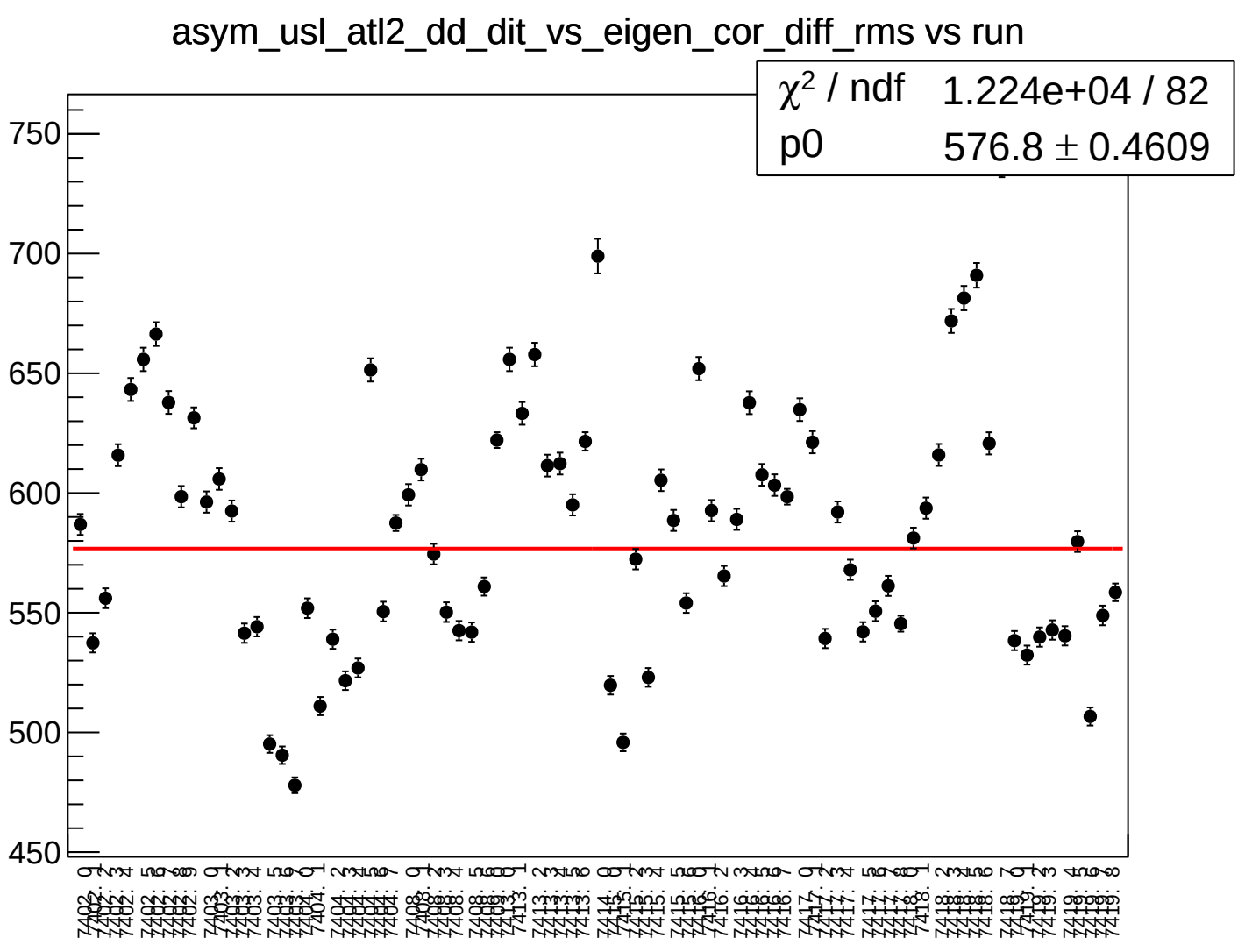

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.01 / 82
p0 6.734e−14 ± 6.433e−14
pull
Entries 83
Mean 65.33
Std Dev 18
pull1D
Entries 83
Mean −0.03955
Std Dev 0.981

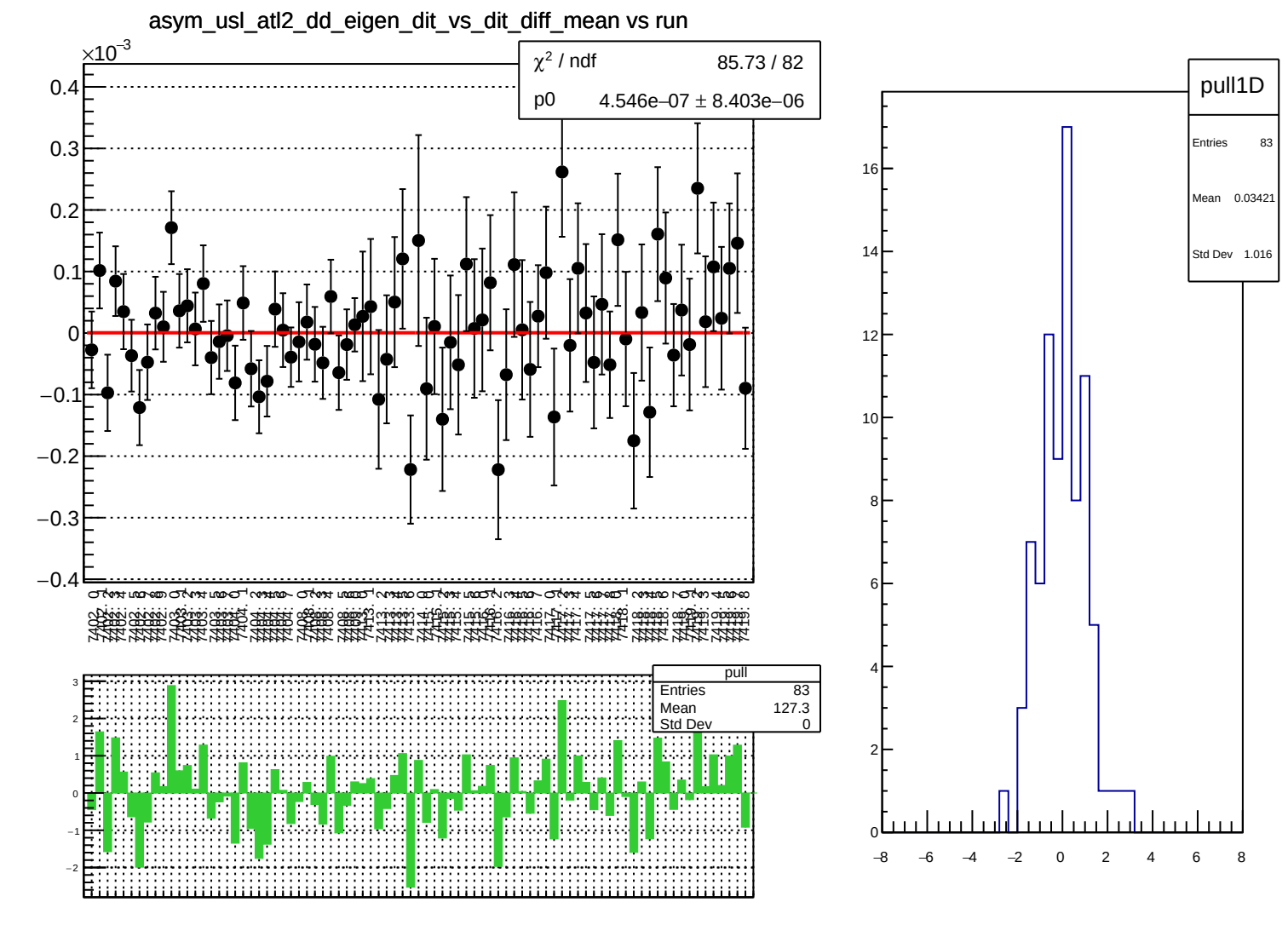

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.361e+06 / 82
p0 2.121e−11 ± 4.549e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

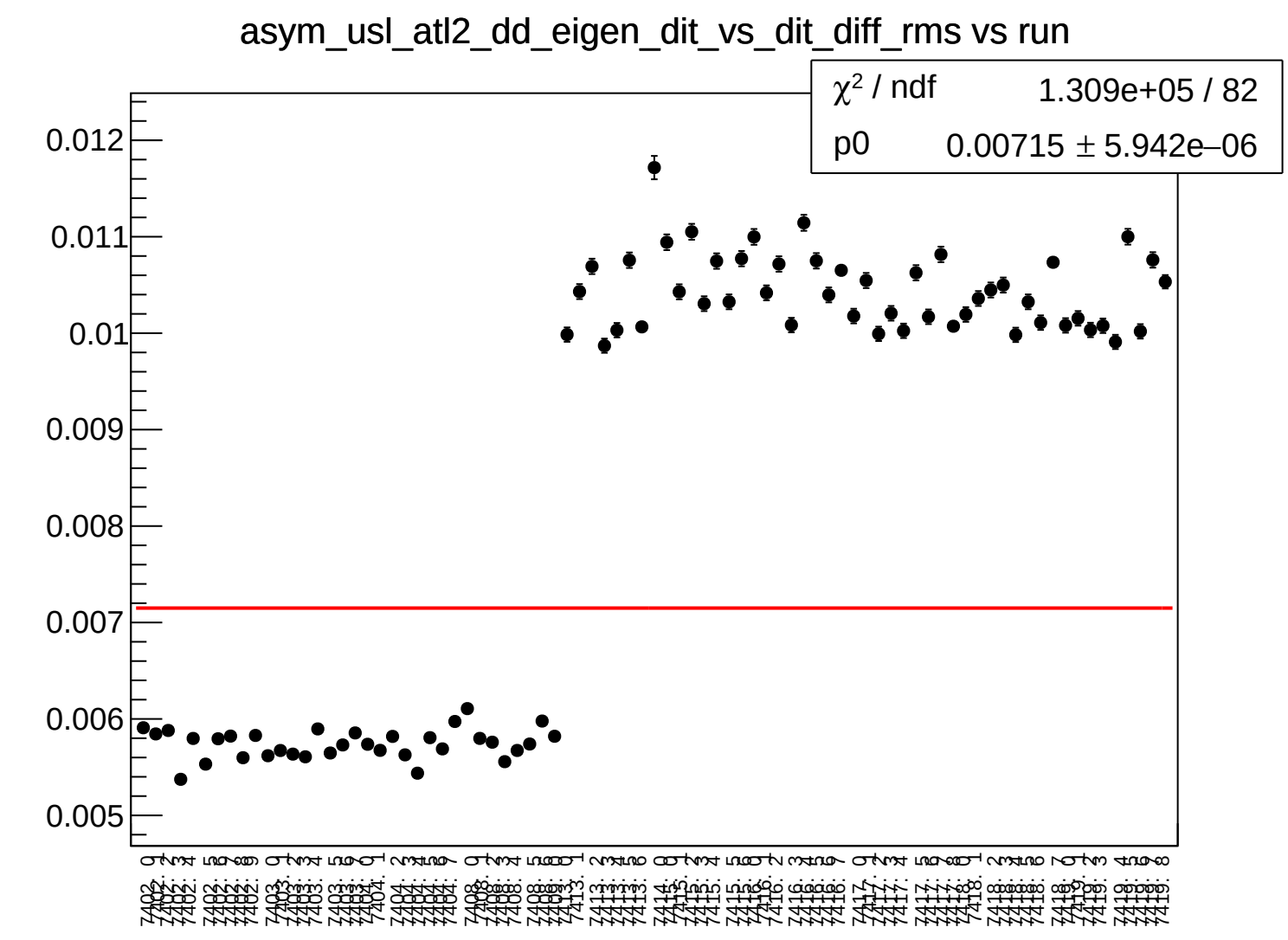

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 87.4 / 82
p0 −0.5791± 0.6518
20
10
0
−10
−20
pull
Entries 83
Mean −352.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.005212
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

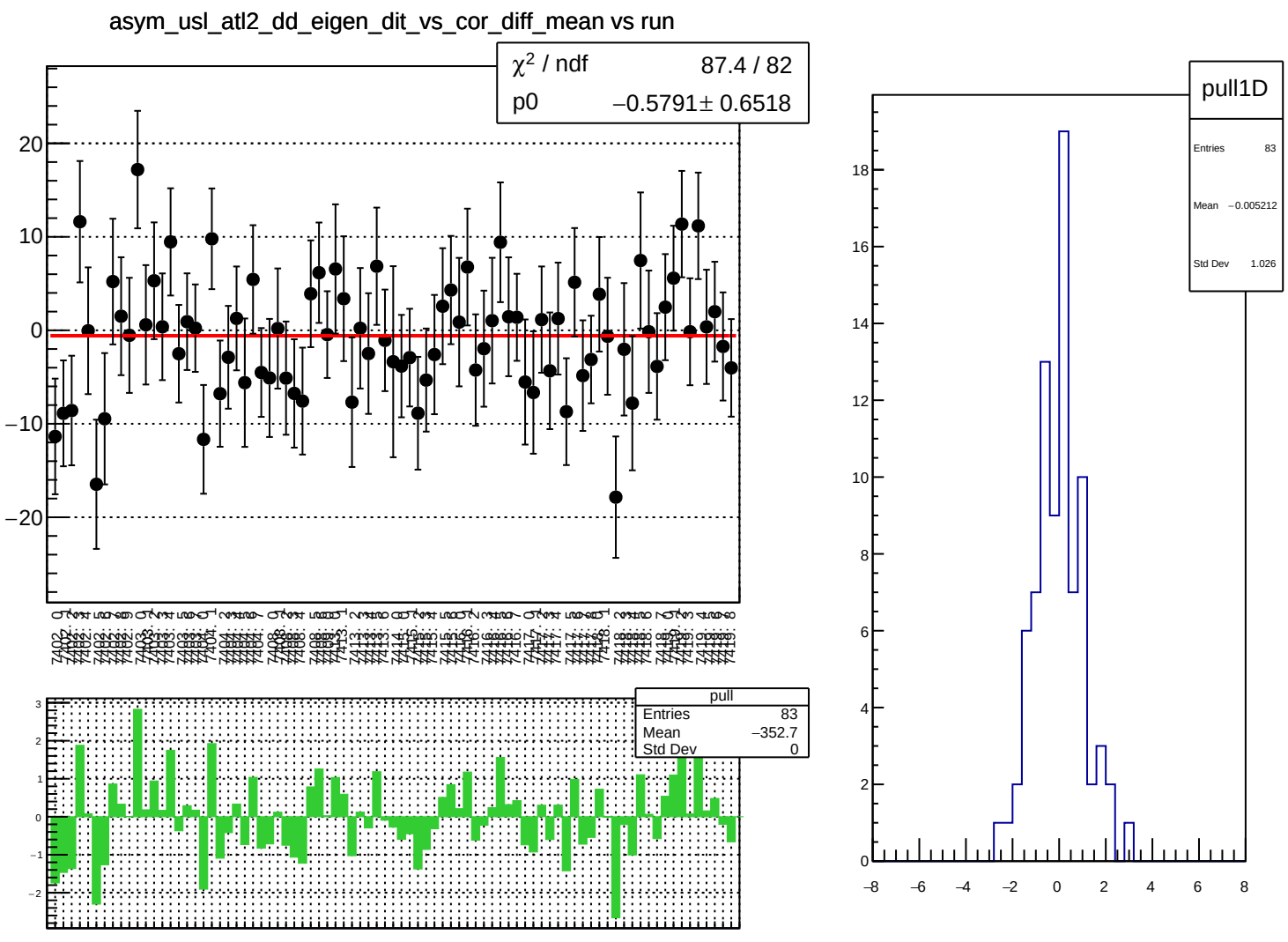

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.224e+04 / 82
p0 576.8 ± 0.4609
750
700
650
600
550
500
450

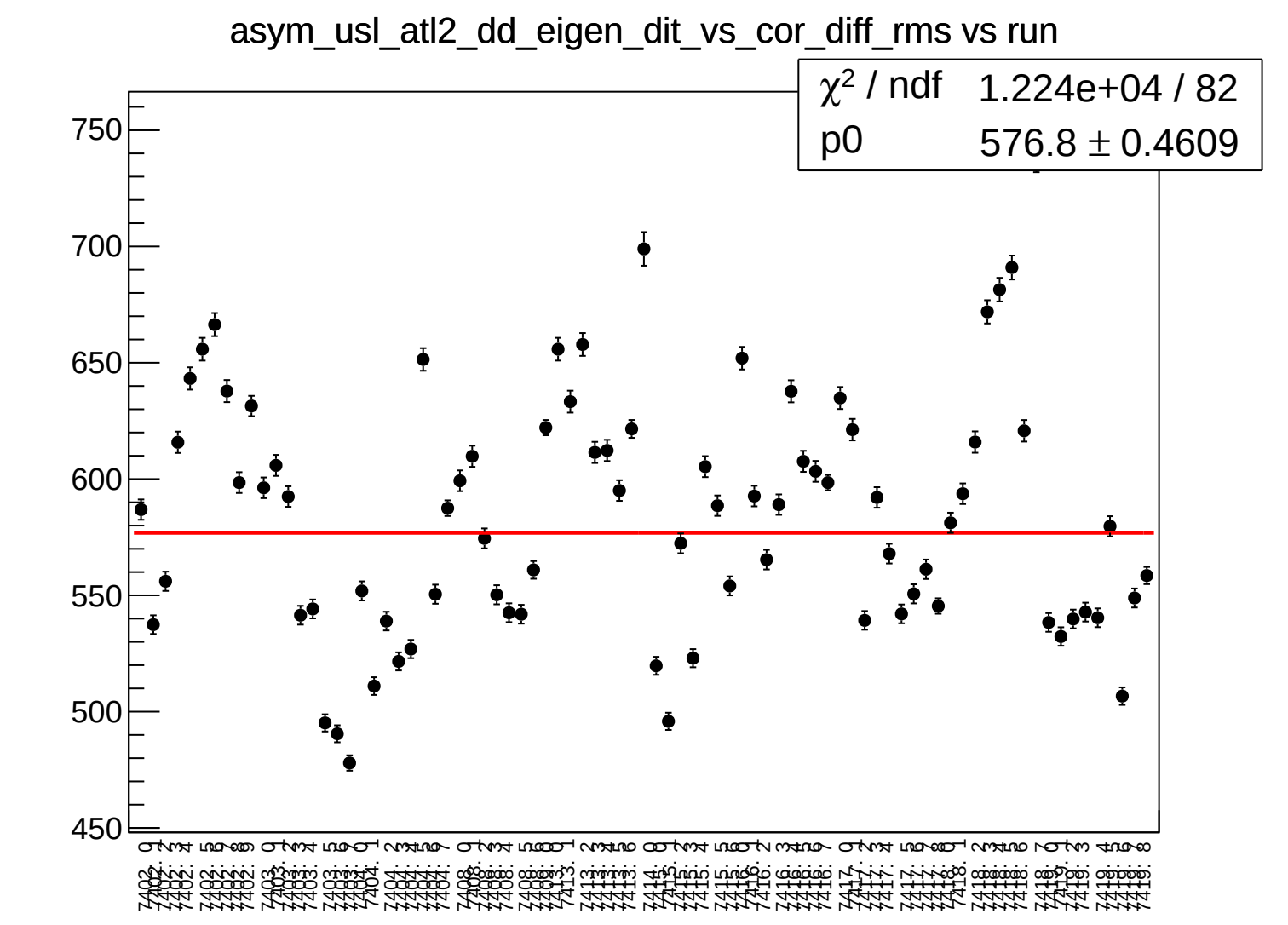

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.4 / 82
p0 −0.5791± 0.6518
20
10
0
−10
−20
pull
Entries 83
Mean −352.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.005212
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

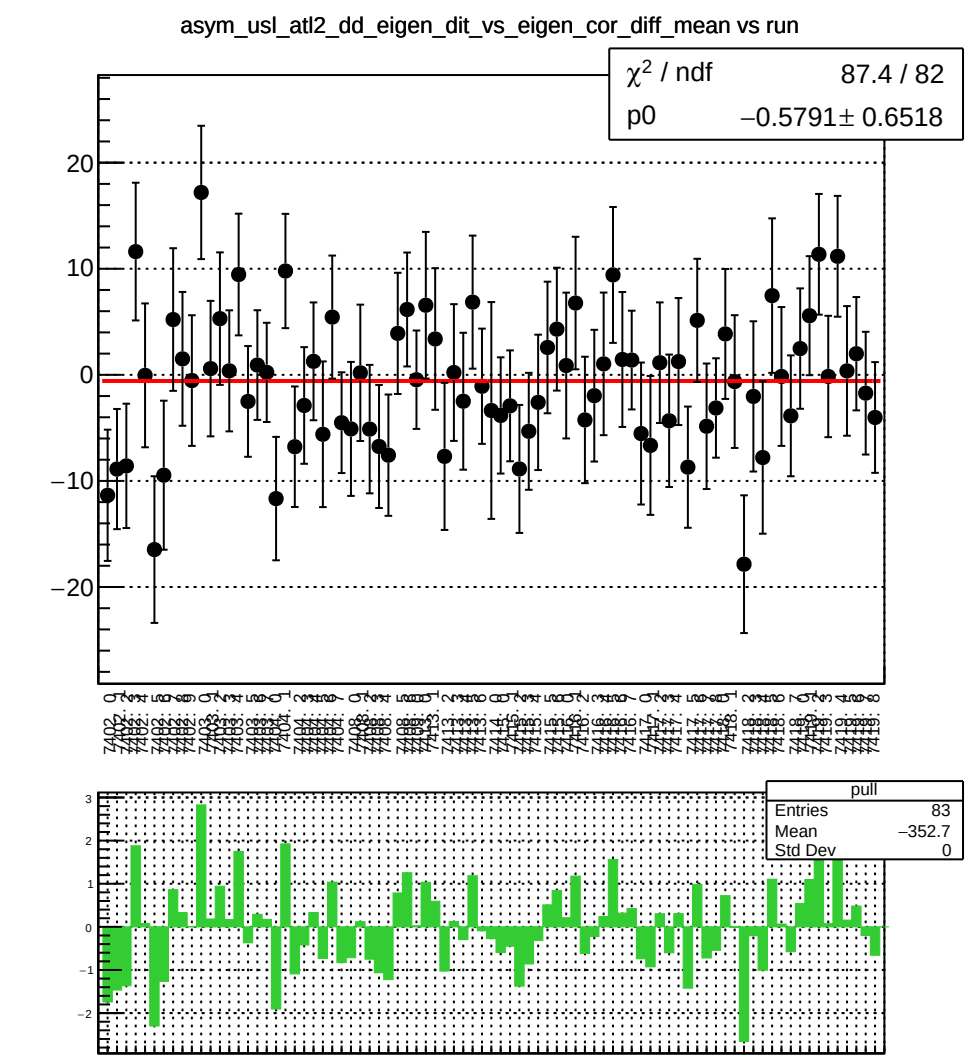

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.224e+04 / 82
p0 576.8 ± 0.4609
750
700
650
600
550
500
450

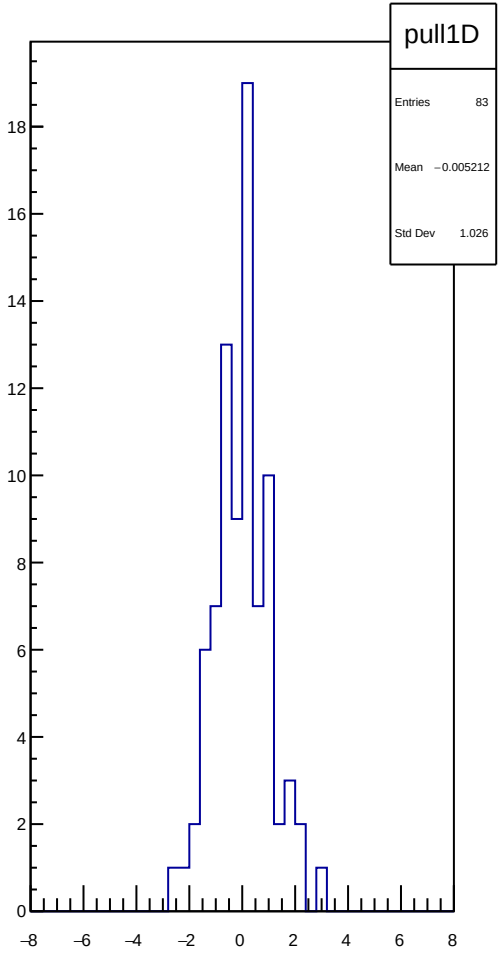

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.73 / 82
p0 4.546e−07 ± 8.403e−06
pull
Entries 83
Mean 127.3
Std Dev 0
pull1D
Entries 83
Mean 0.03421
Std Dev 1.016

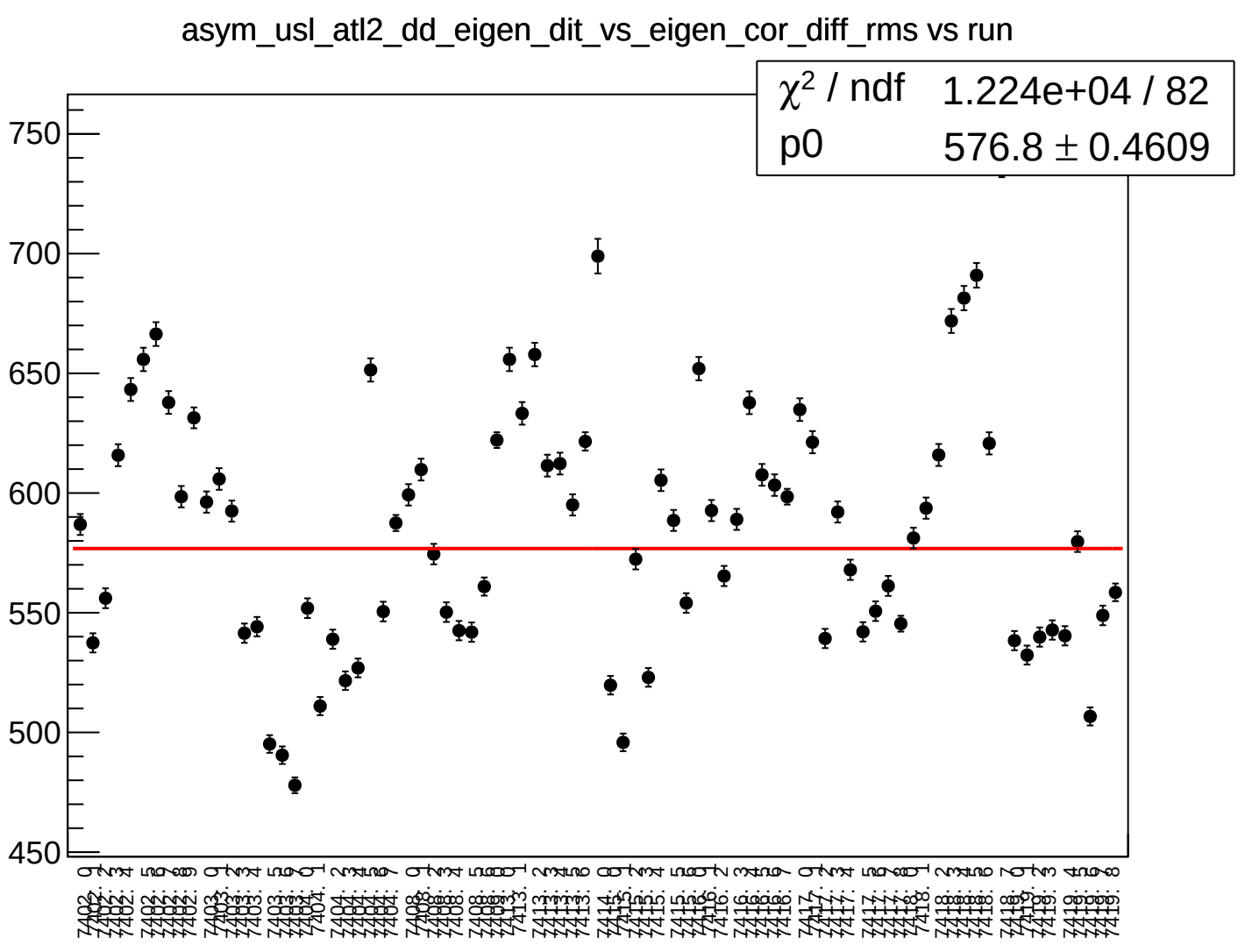

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.309e+05 / 82
p0 0.00715 ± 5.942e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005

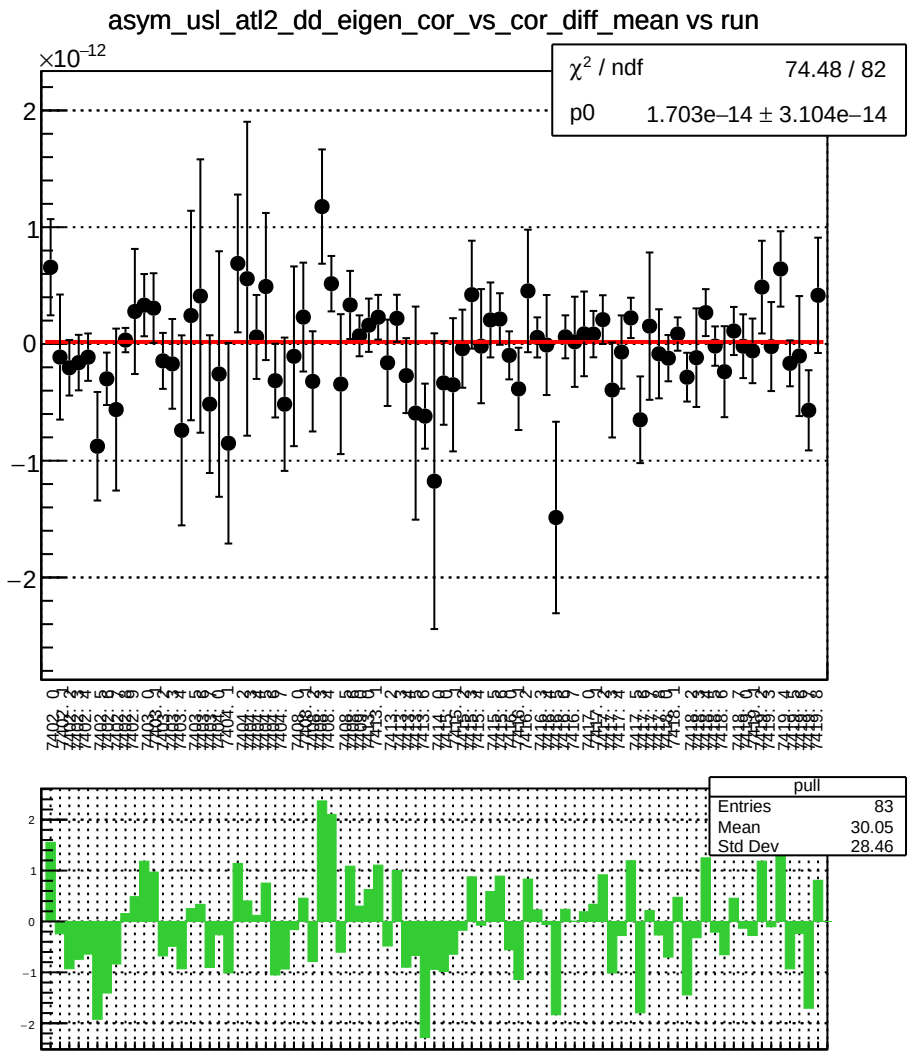

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.4 / 82
p0 −0.5791± 0.6518
20
10
0
−10
−20
pull
Entries 83
Mean −352.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.005212
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

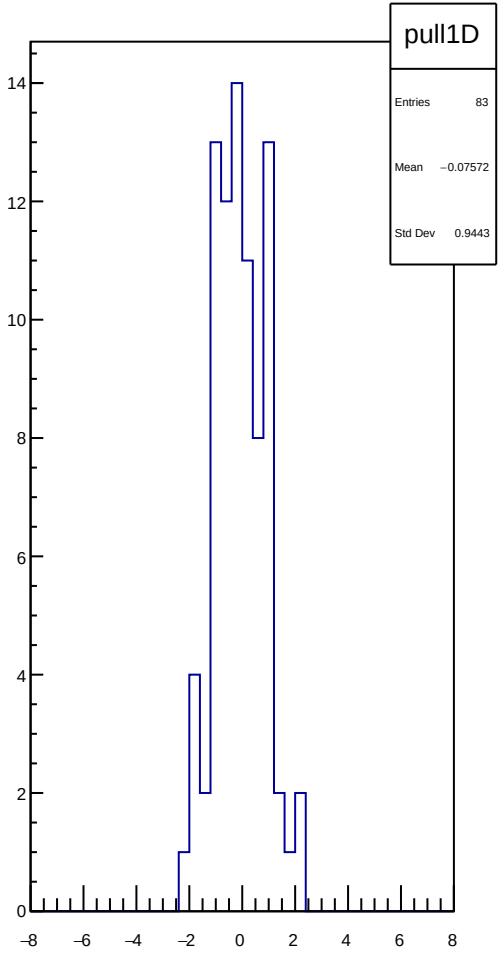

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.224e+04 / 82
p0 576.8 ± 0.4609
750
700
650
600
550
500
450

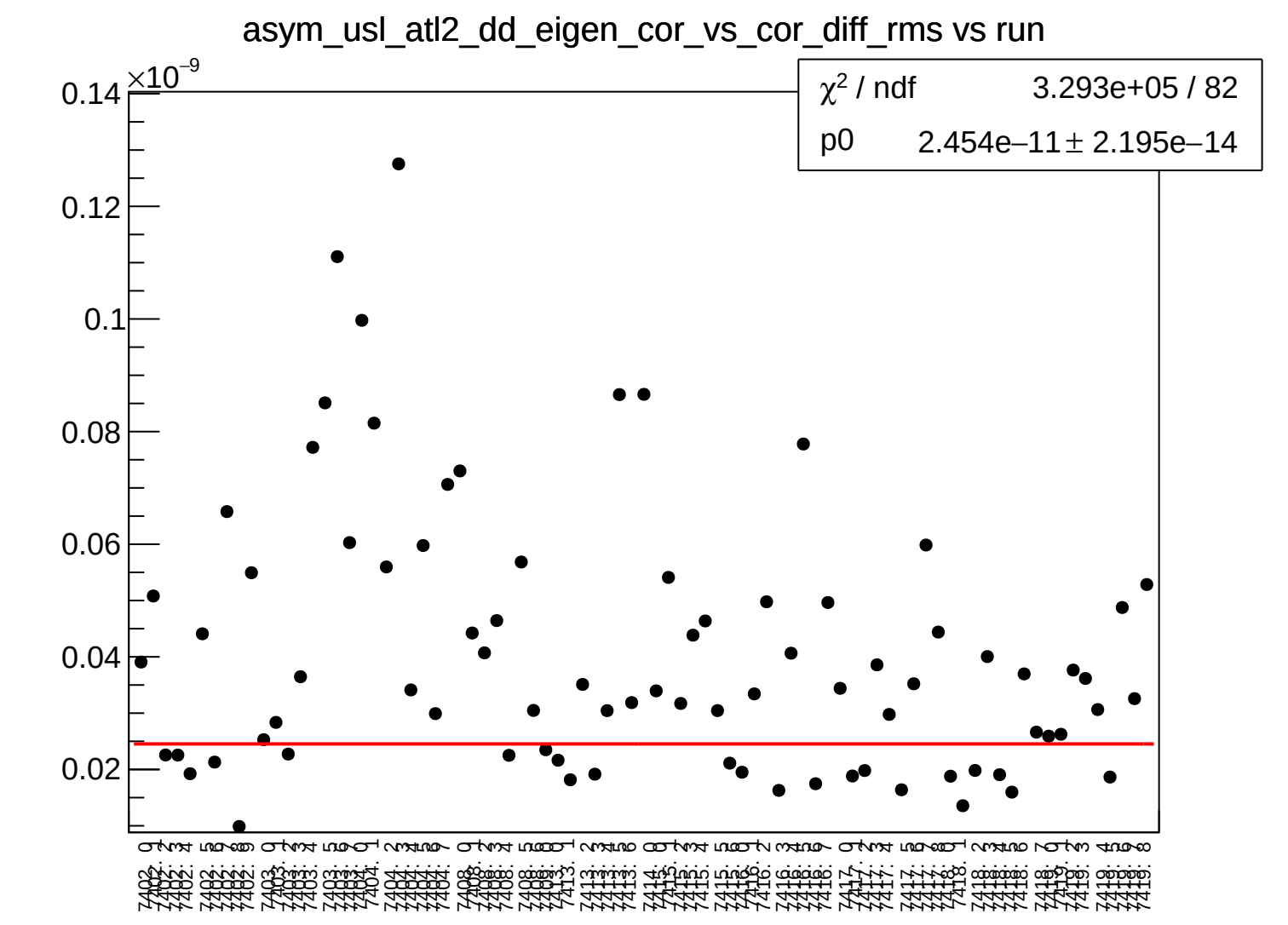

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.4 / 82
p0 −0.5791± 0.6518
20
10
0
−10
−20
pull
Entries 83
Mean −352.7
Std Dev 0
3
2
1
0
−1
−2

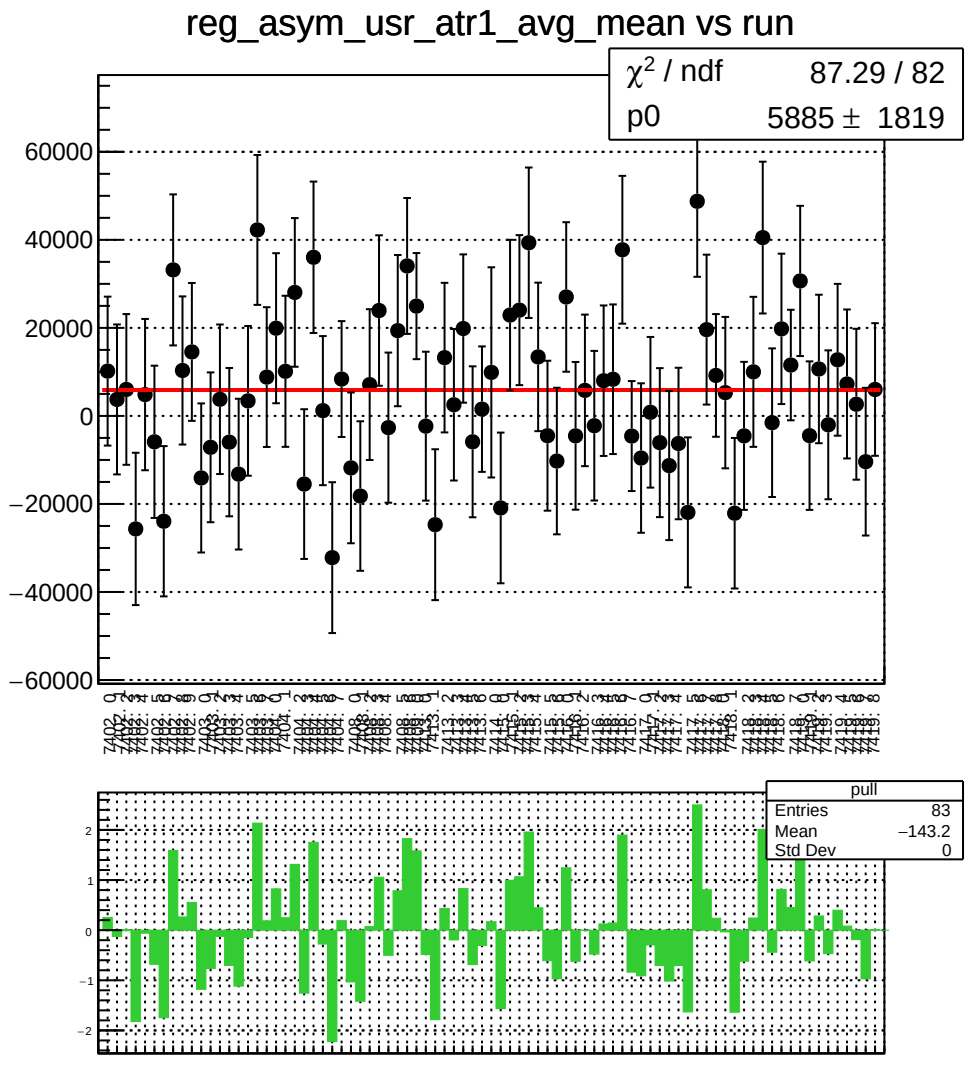

pull1D
Entries 83
Mean −0.005212
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

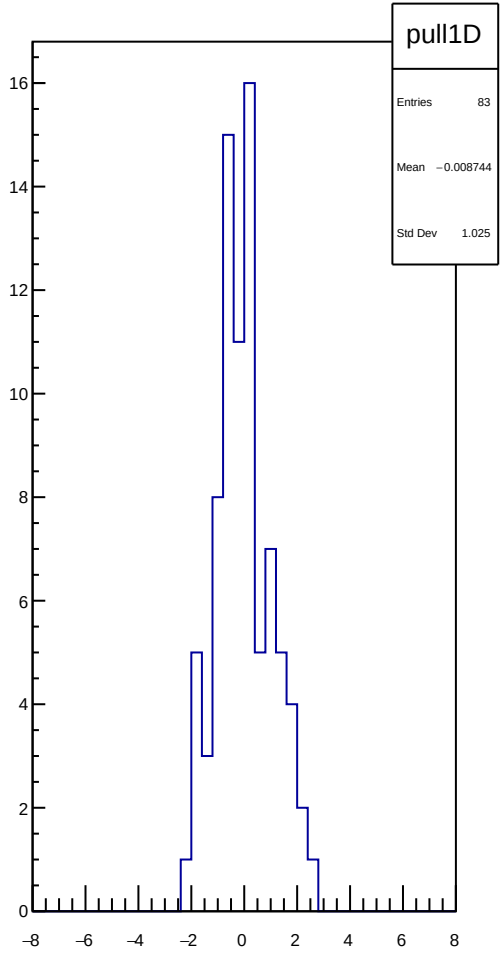

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.224e+04 / 82
p0 576.8 ± 0.4609
750
700
650
600
550
500
450

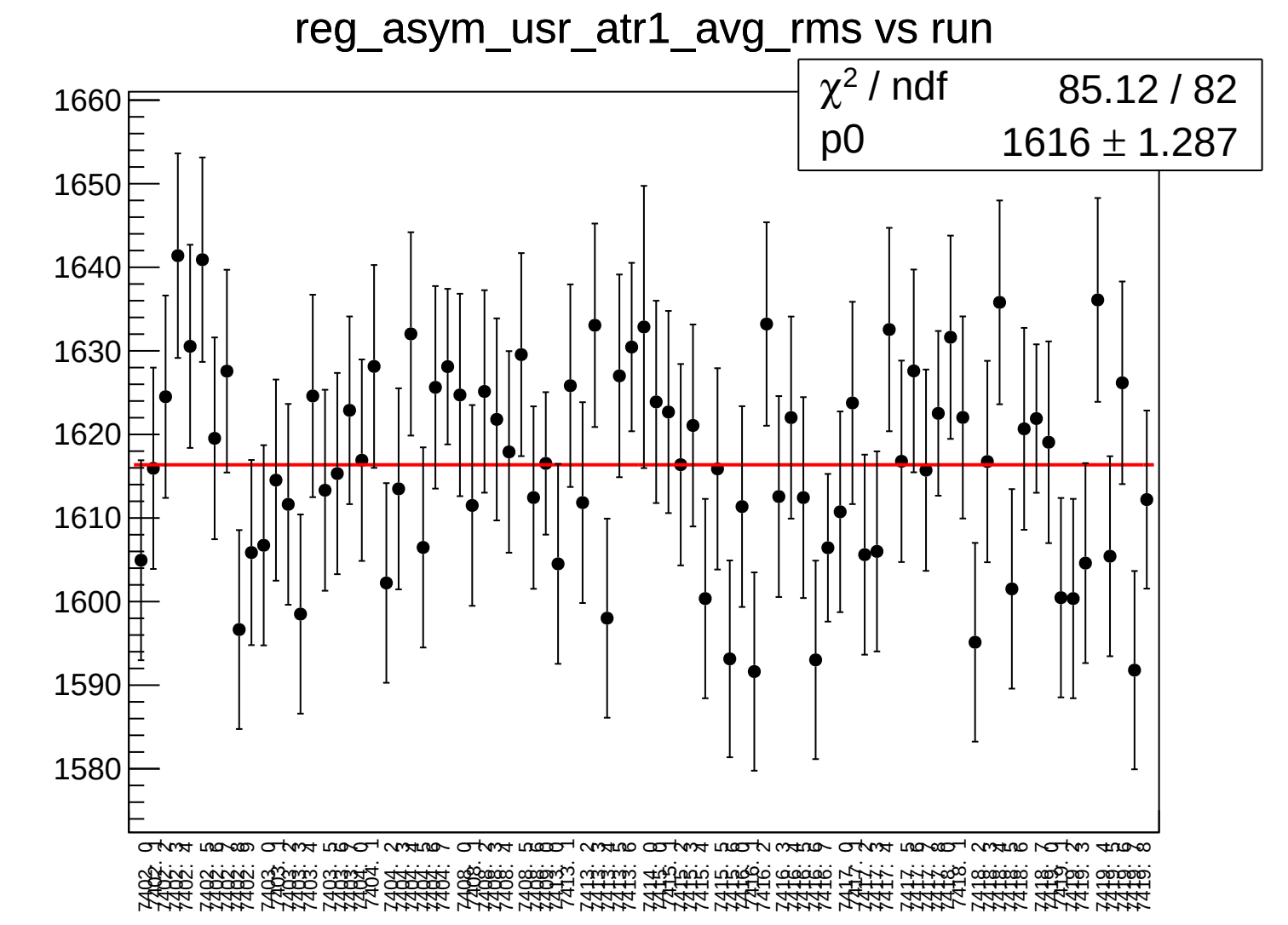

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.48 / 82
p0 1.703e−14 ± 3.104e−14
pull
Entries 83
Mean 30.05
Std Dev 28.46

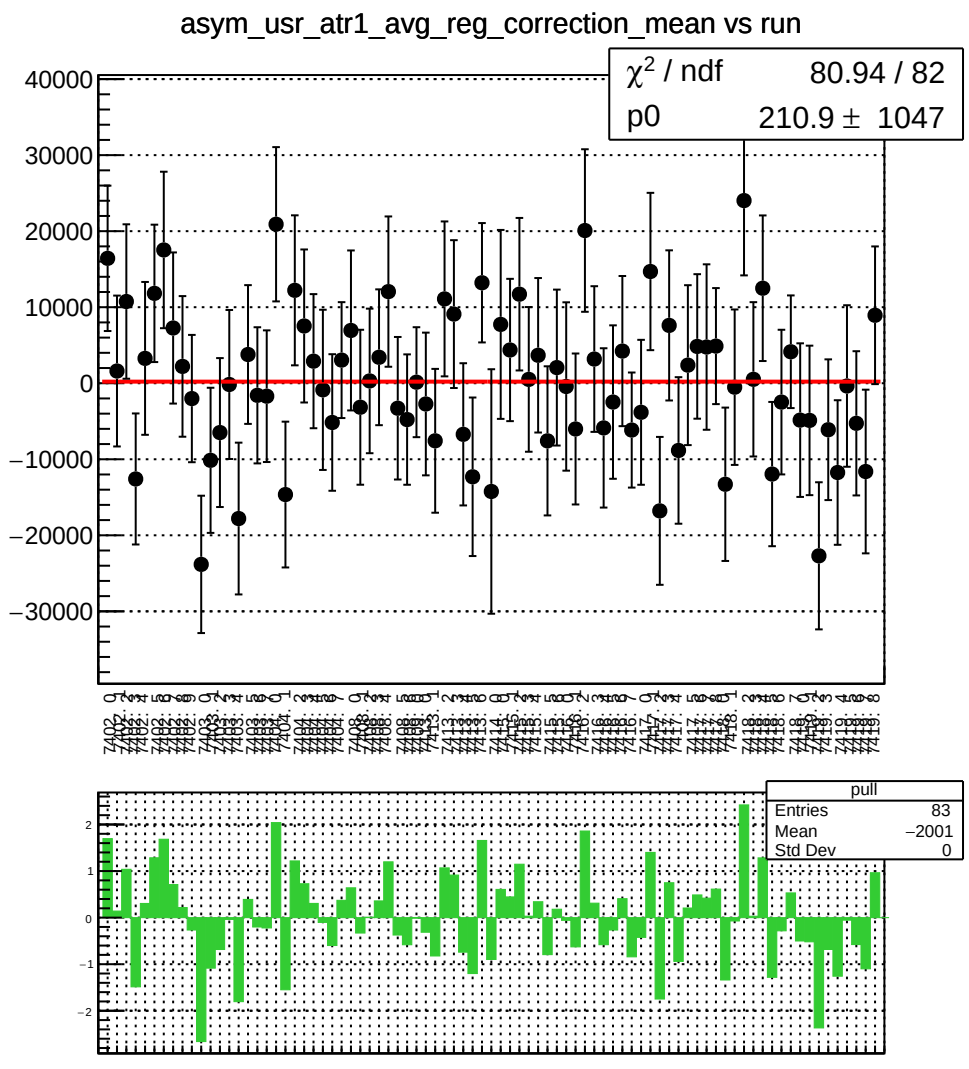

pull1D
Entries 83
Mean −0.07572
Std Dev 0.9443

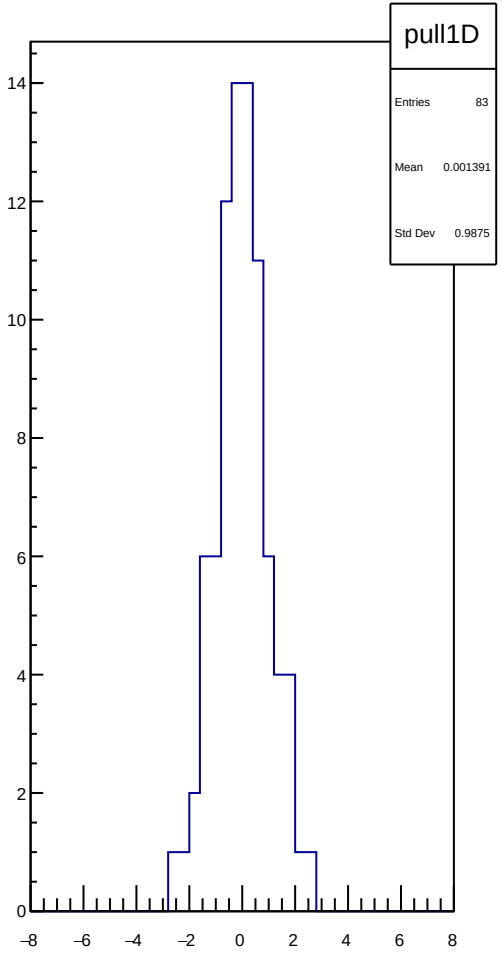

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
χ^2 / ndf 3.293e+05 / 82
p0 2.454e−11 ± 2.195e−14
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02

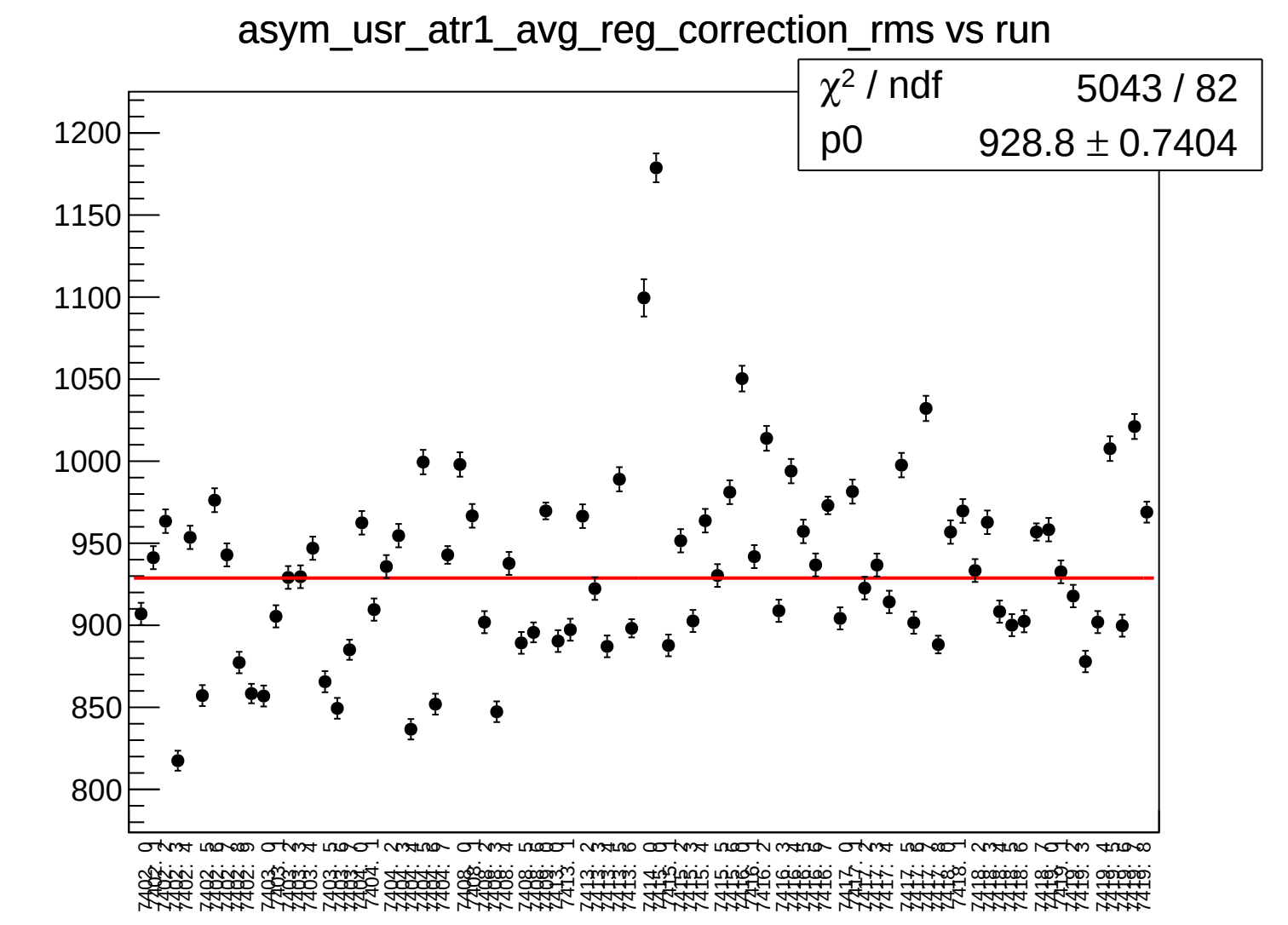

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 87.29 / 82
p0 5885 ± 1819
pull
Entries 83
Mean −143.2
Std Dev 0

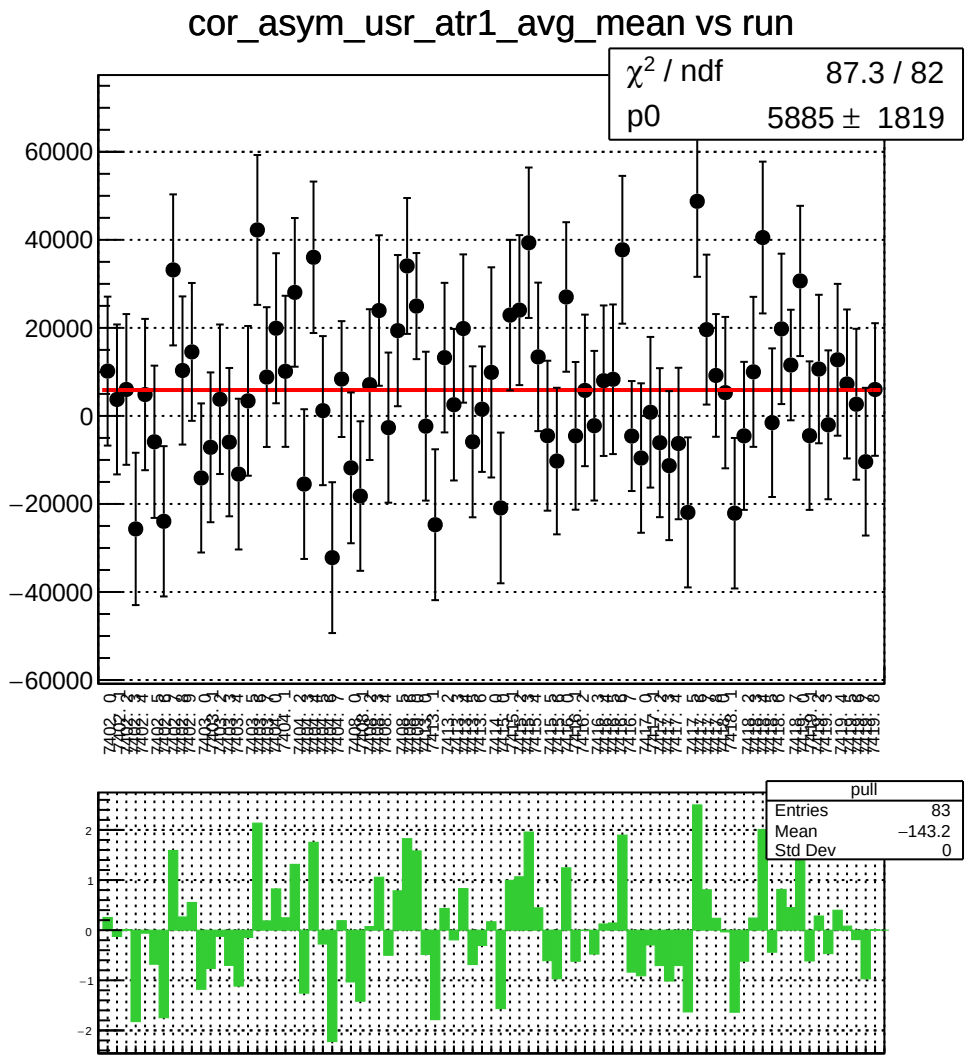

pull1D
Entries 83
Mean −0.008744
Std Dev 1.025

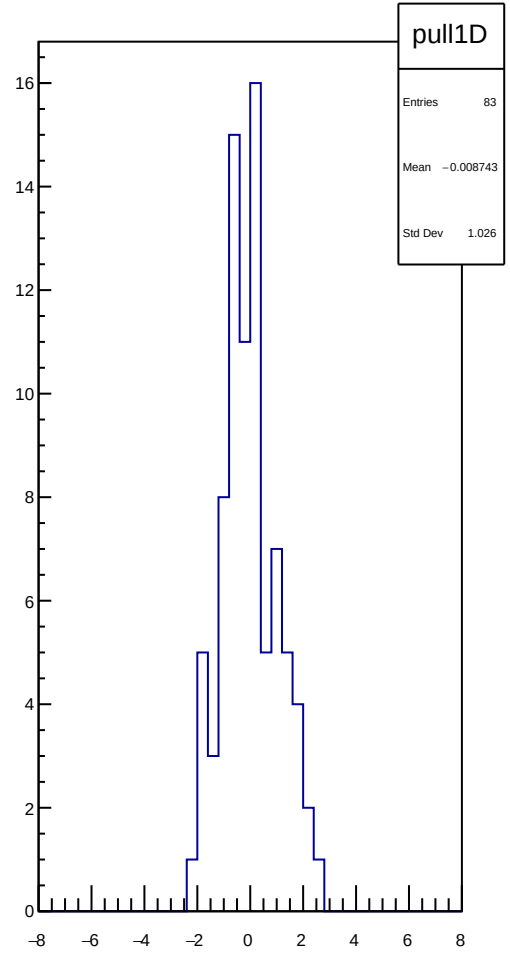

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 85.12 / 82
p0 1616 ± 1.287
1660
1650
1640
1630
1620
1610
1600
1590
1580

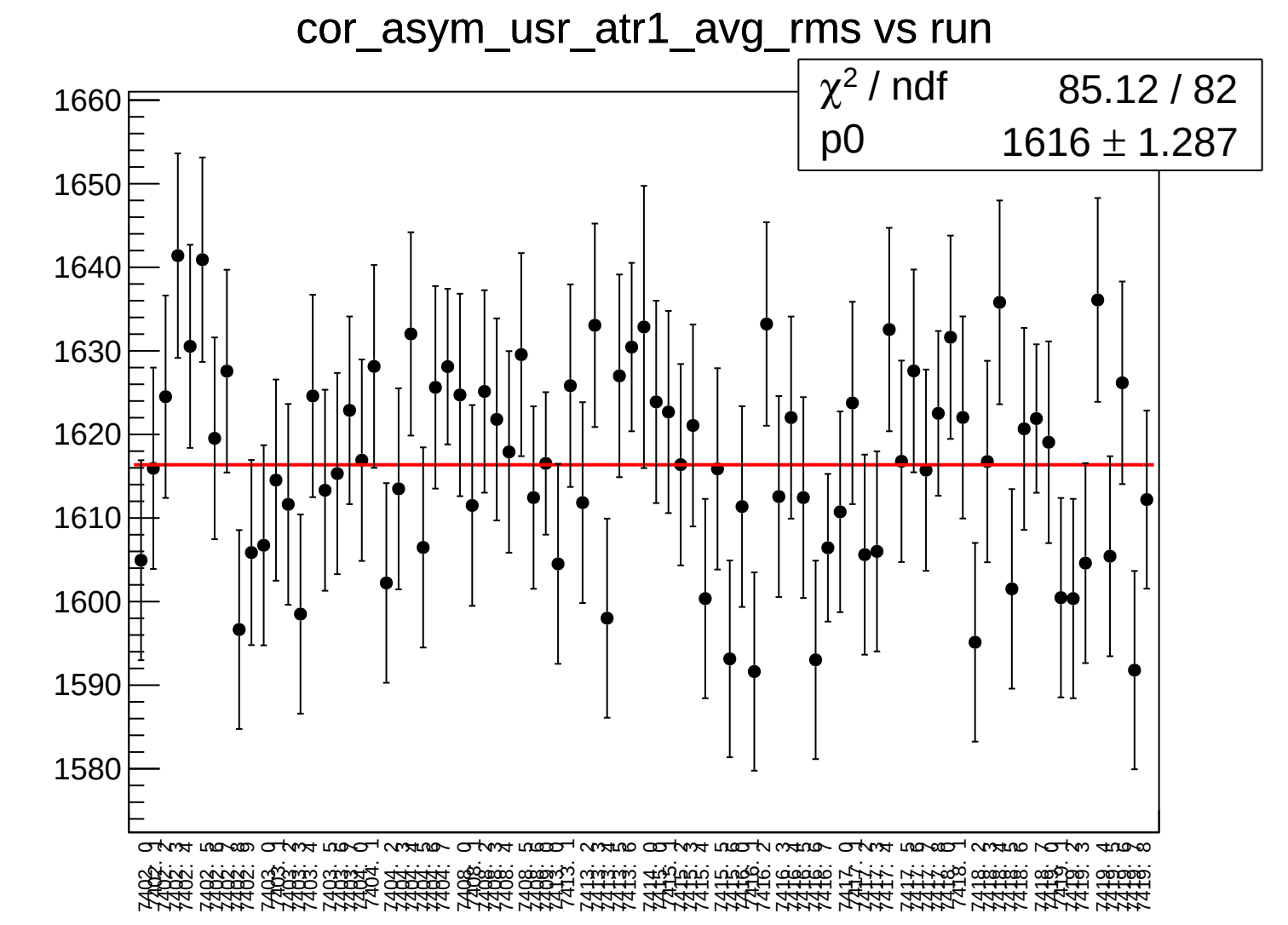

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 80.94 / 82
p0 210.9 ± 1047
pull
Entries 83
Mean −2001
Std Dev 0

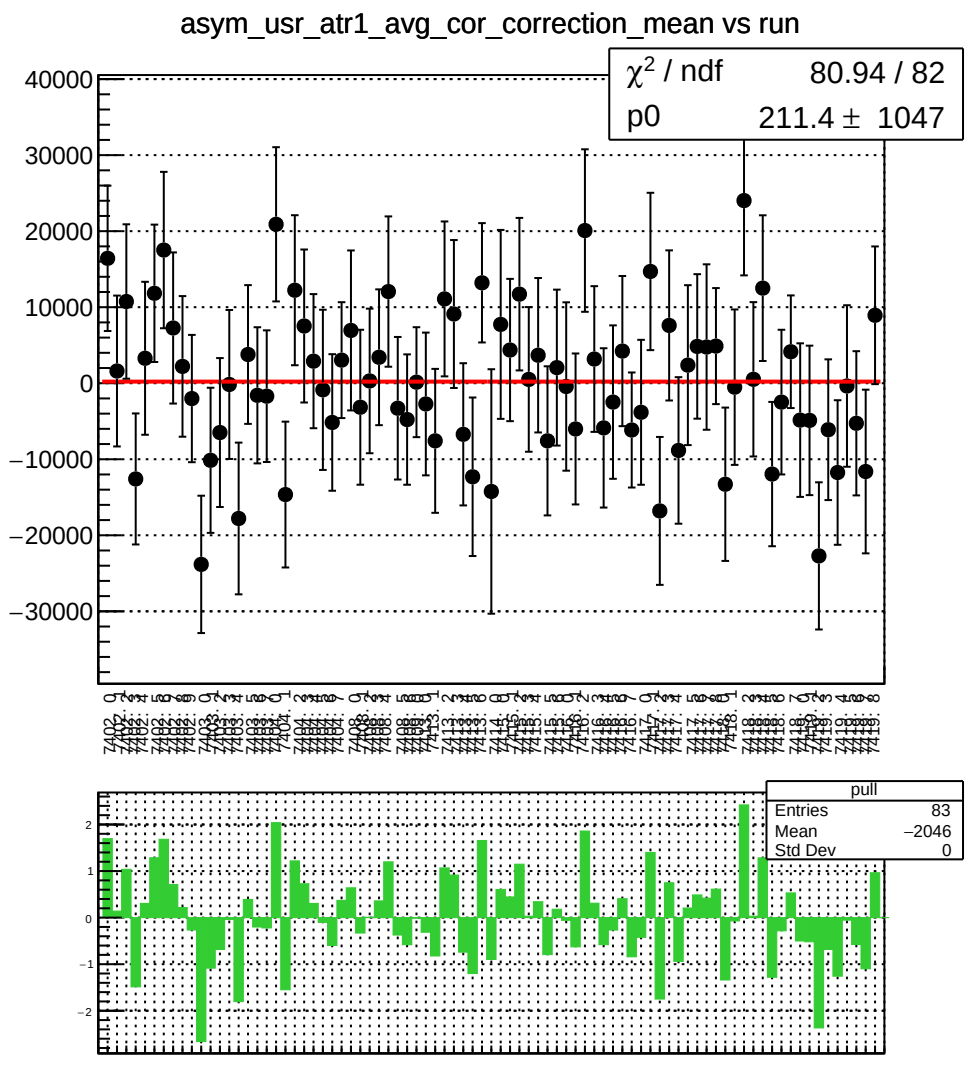

pull1D
Entries 83
Mean 0.001391
Std Dev 0.9875

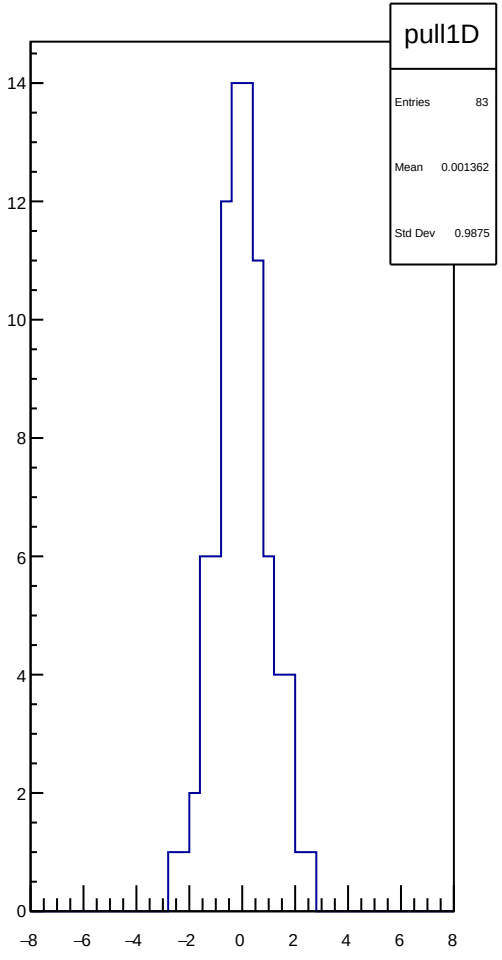

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 5043 / 82
p0 928.8 ± 0.7404
1200
1150
1100
1050
1000
950
900
850
800

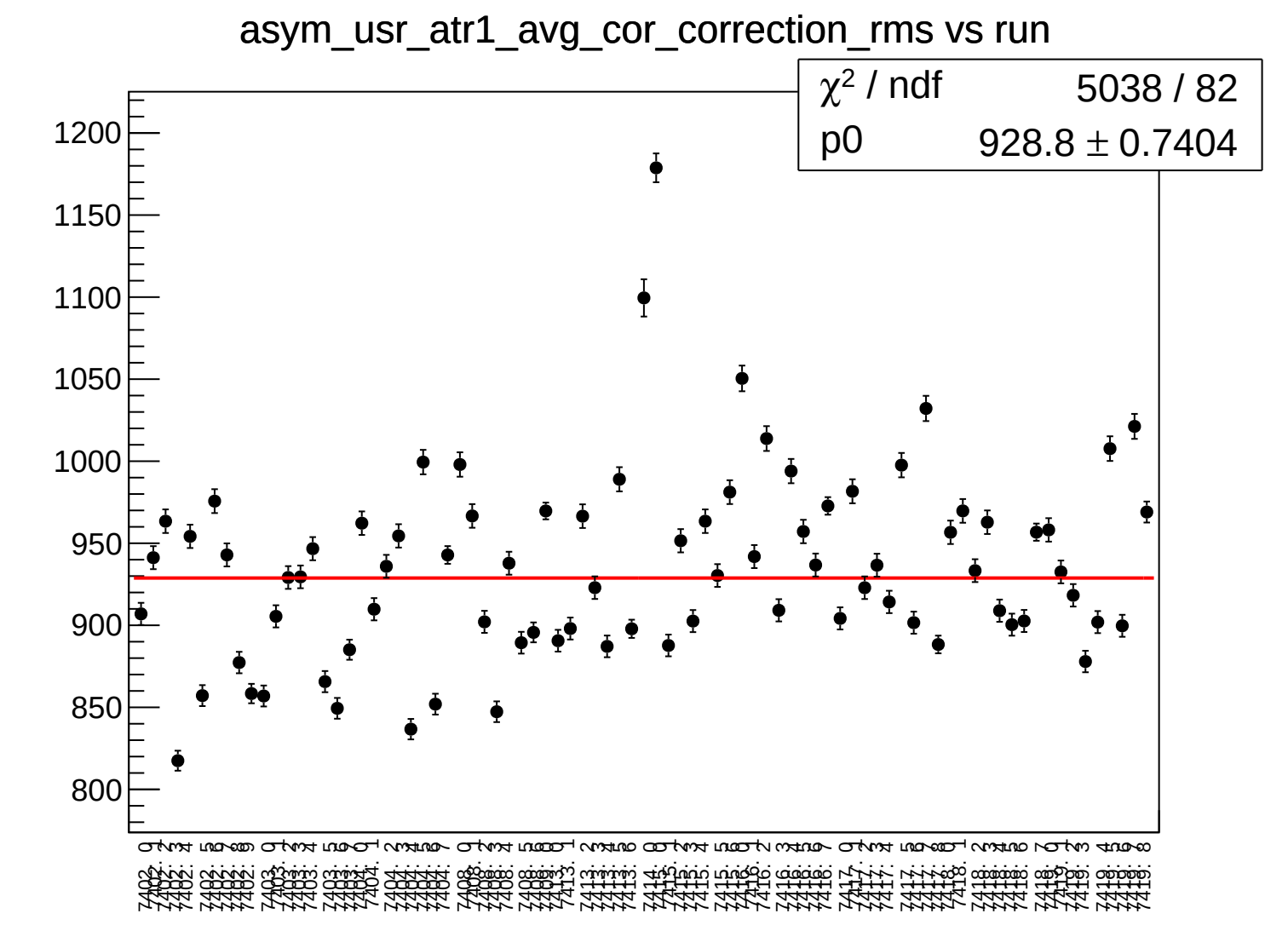

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 87.3 / 82
p0 5885 ± 1819
pull
Entries 83
Mean −143.2
Std Dev 0

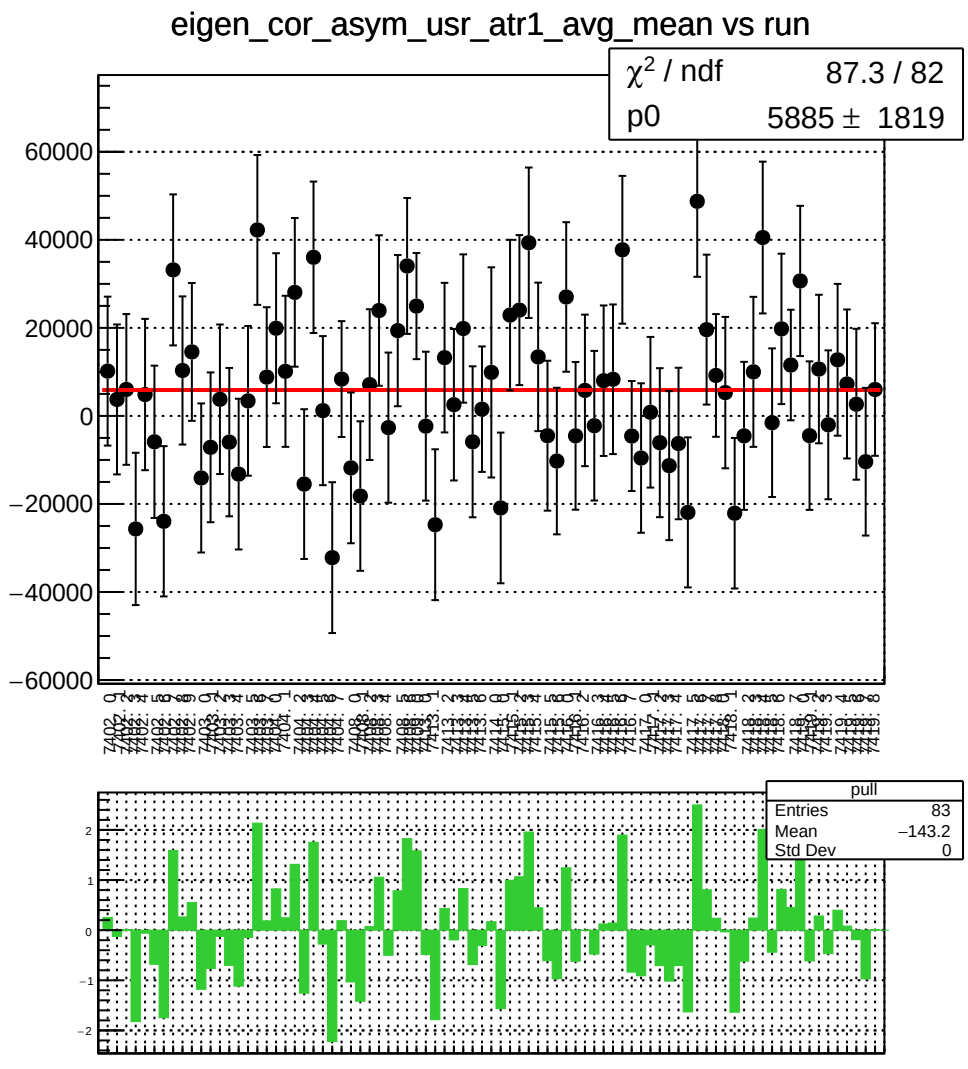

pull1D
Entries 83
Mean −0.008743
Std Dev 1.026

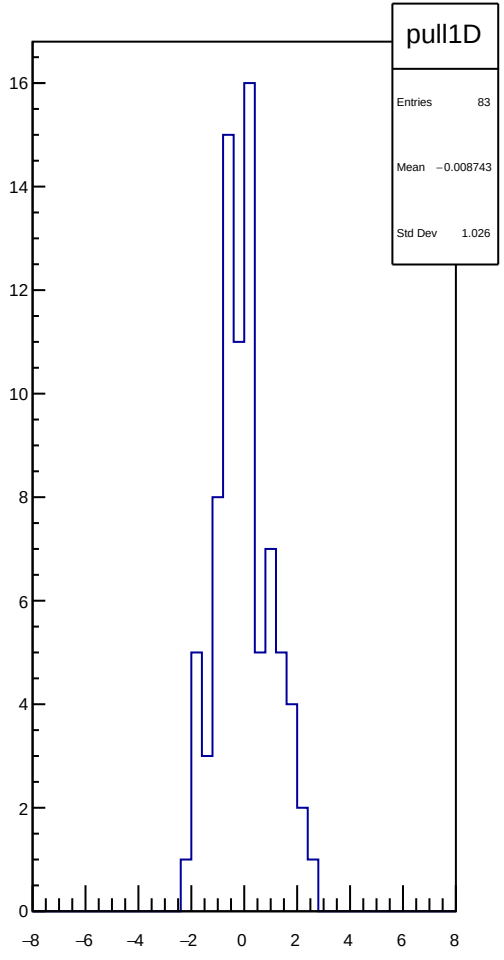

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 85.12 / 82
p0 1616 ± 1.287
1660
1650
1640
1630
1620
1610
1600
1590
1580

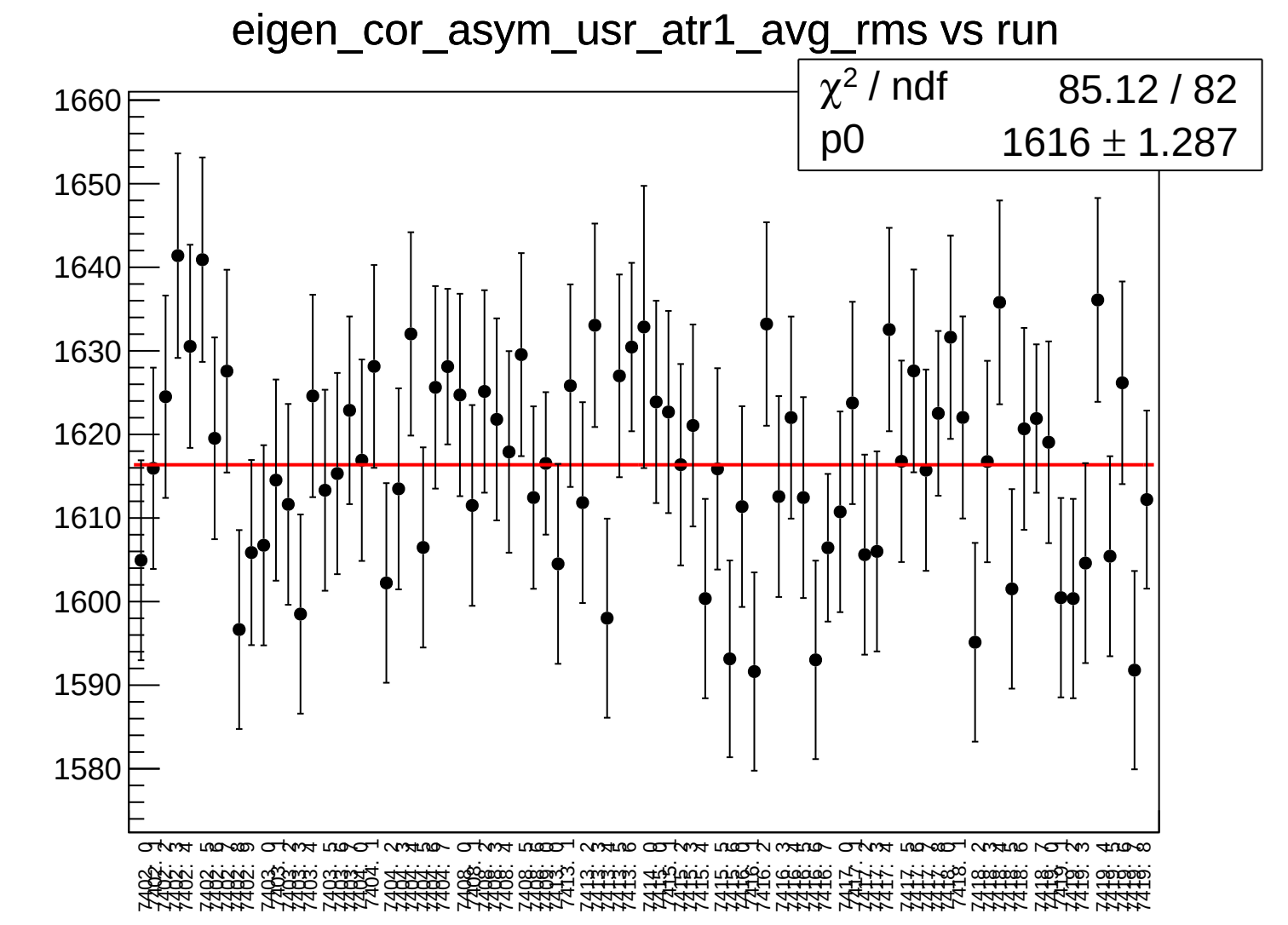

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 80.94 / 82
p0 211.4 ± 1047
pull
Entries 83
Mean −2046
Std Dev 0

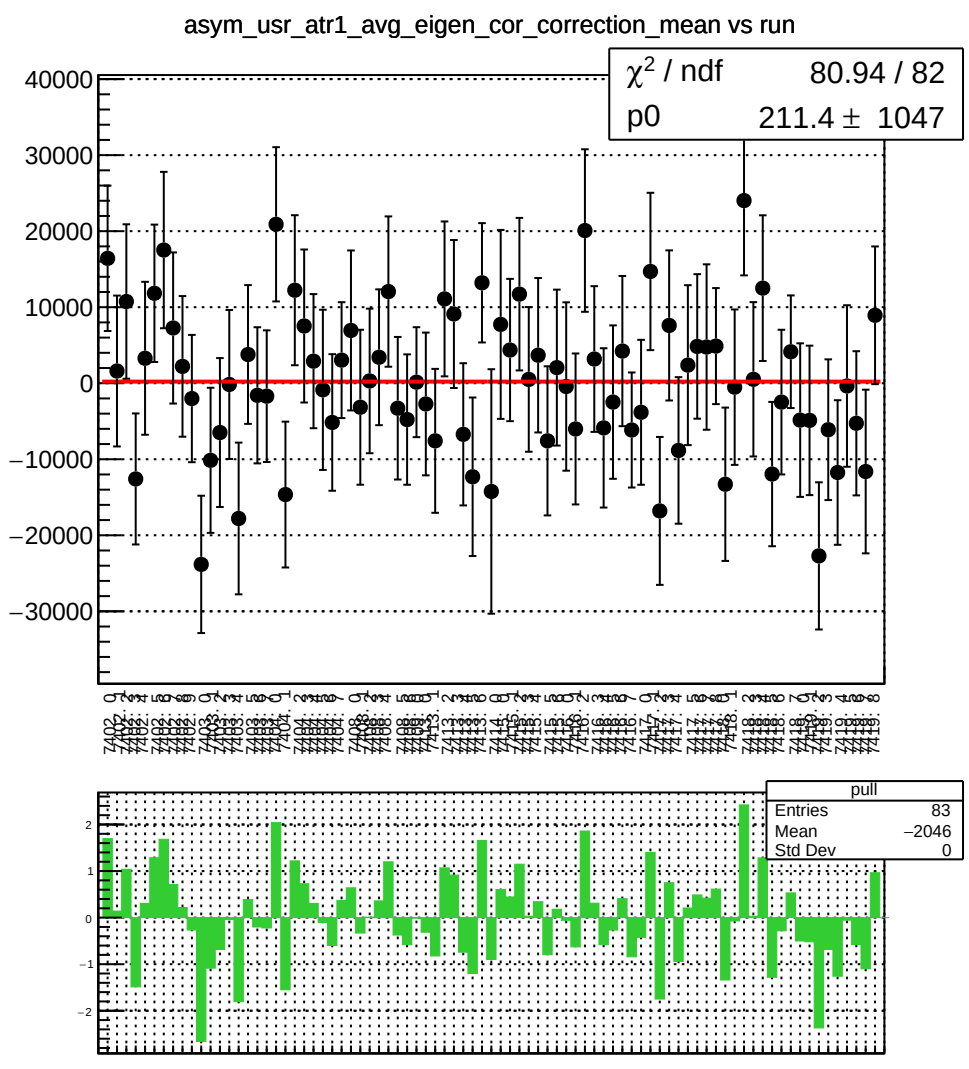

pull1D
Entries 83
Mean 0.001362
Std Dev 0.9875

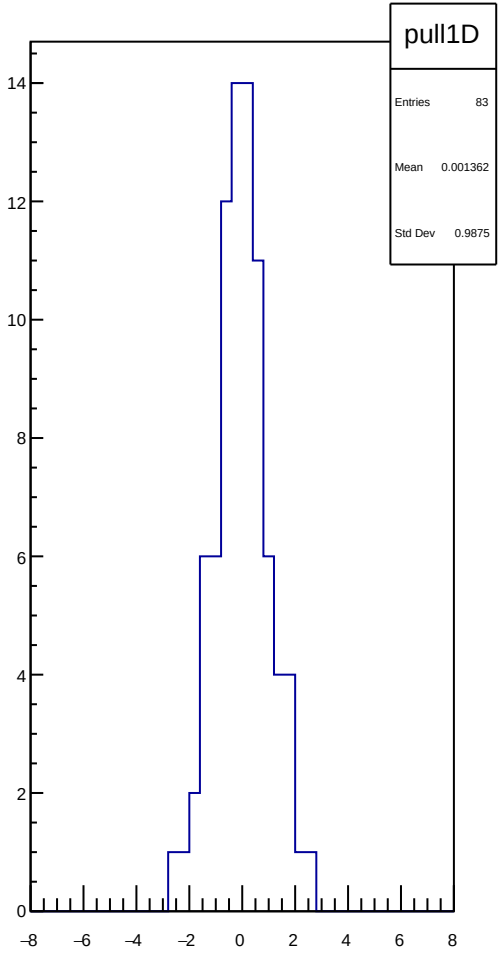

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 5038 / 82
p0 928.8 ± 0.7404
1200
1150
1100
1050
1000
950
900
850
800

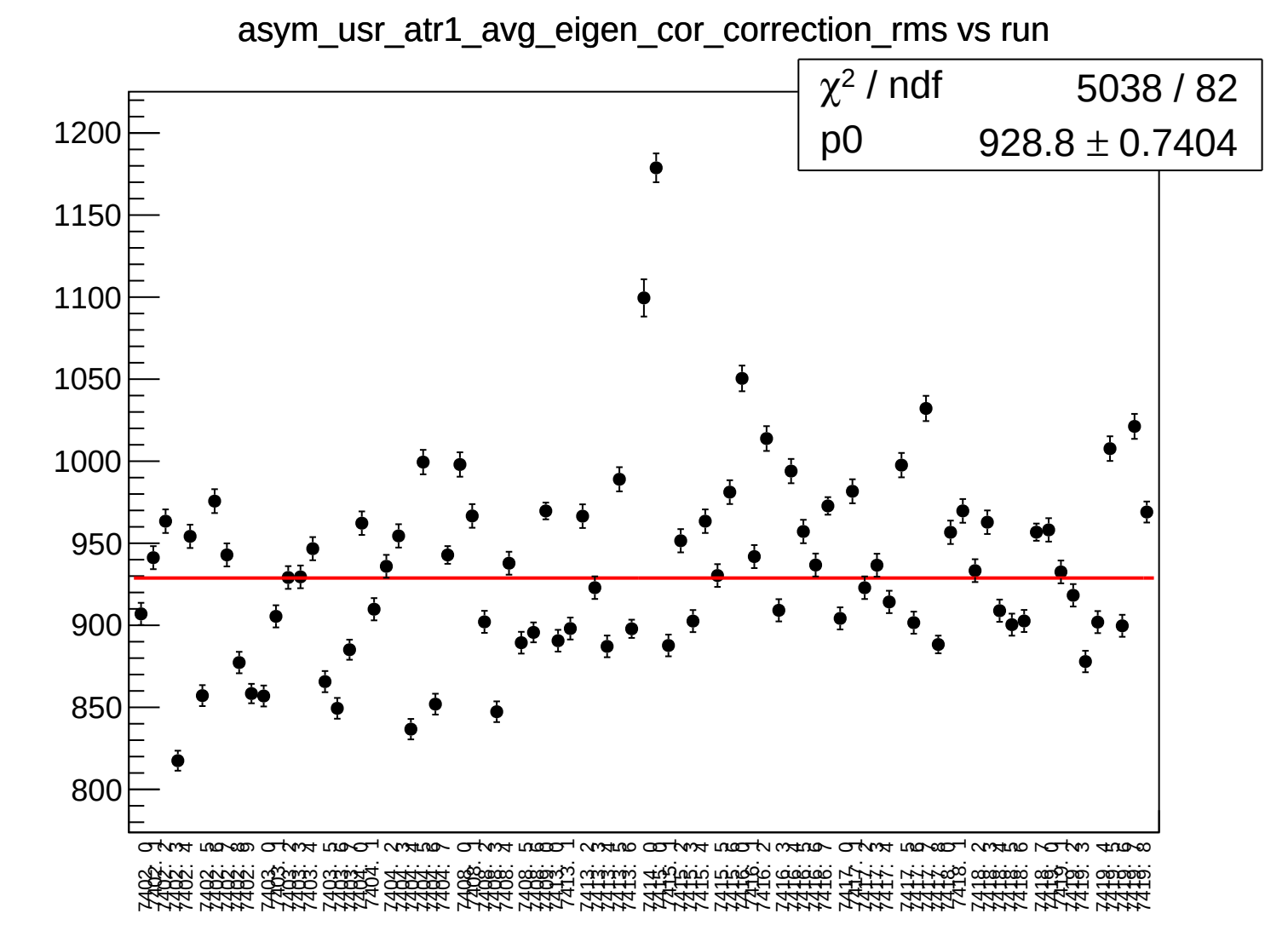

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 87.3 / 82
p0 5885 ± 1819
pull
Entries 83
Mean −143.2
Std Dev 0

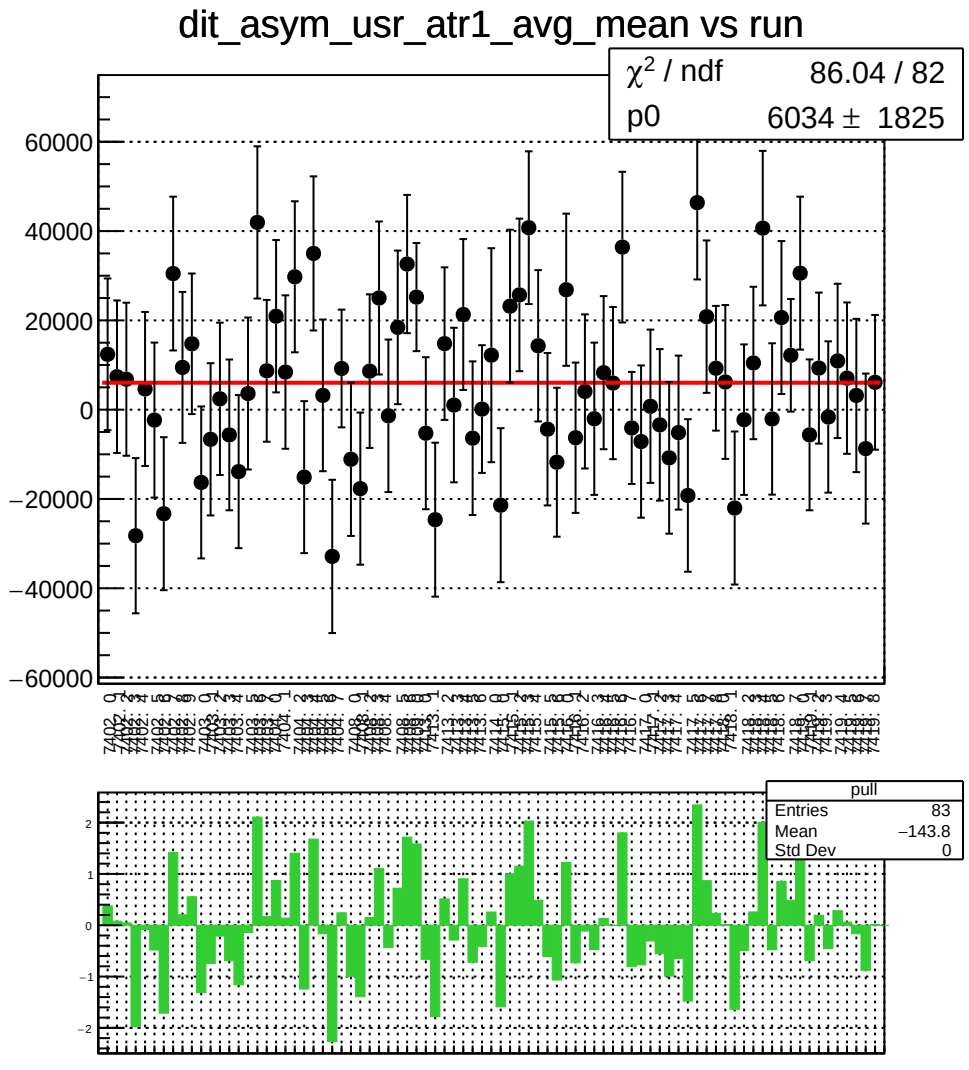

pull1D
Entries 83
Mean −0.008743
Std Dev 1.026

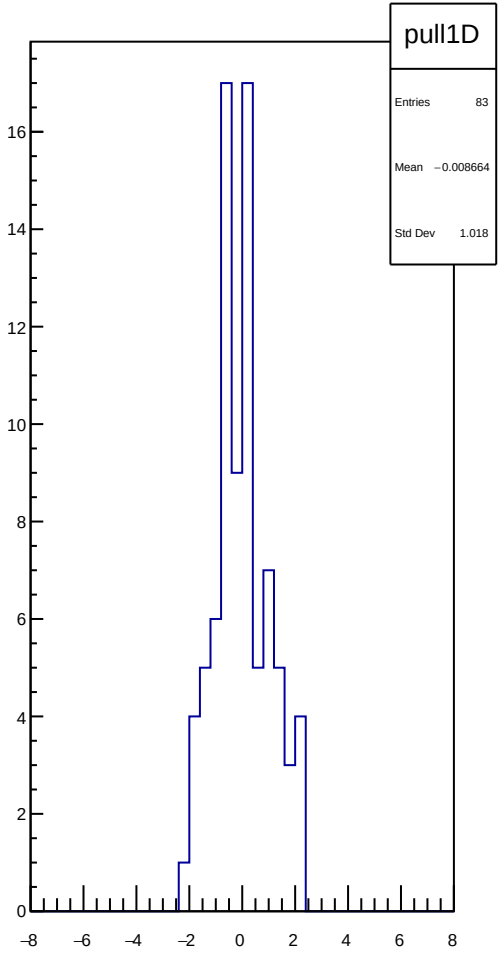

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 85.12 / 82
p0 1616 ± 1.287
1660
1650
1640
1630
1620
1610
1600
1590
1580

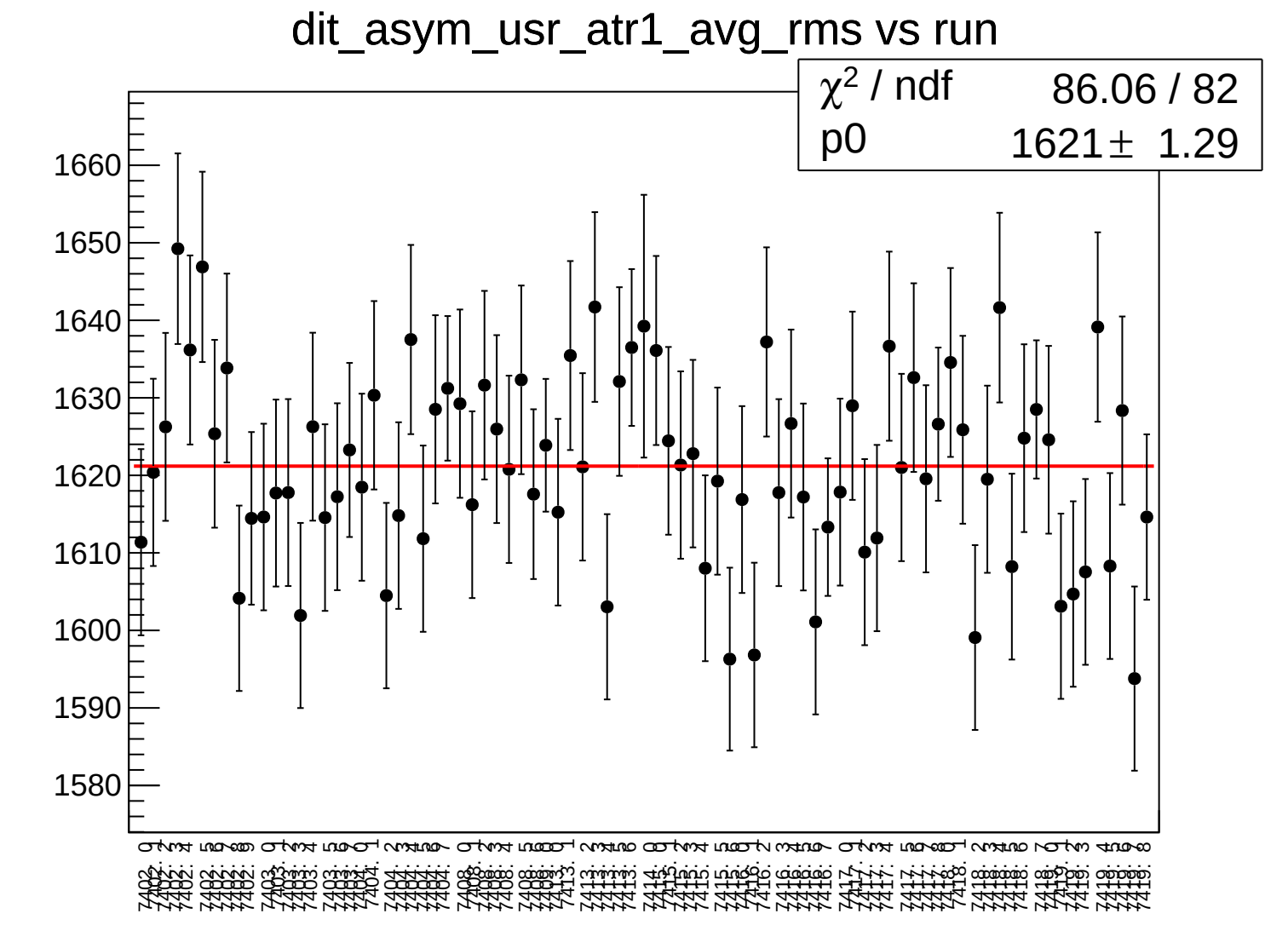

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 80.94 / 82
p0 211.4 ± 1047
pull
Entries 83
Mean −2046
Std Dev 0

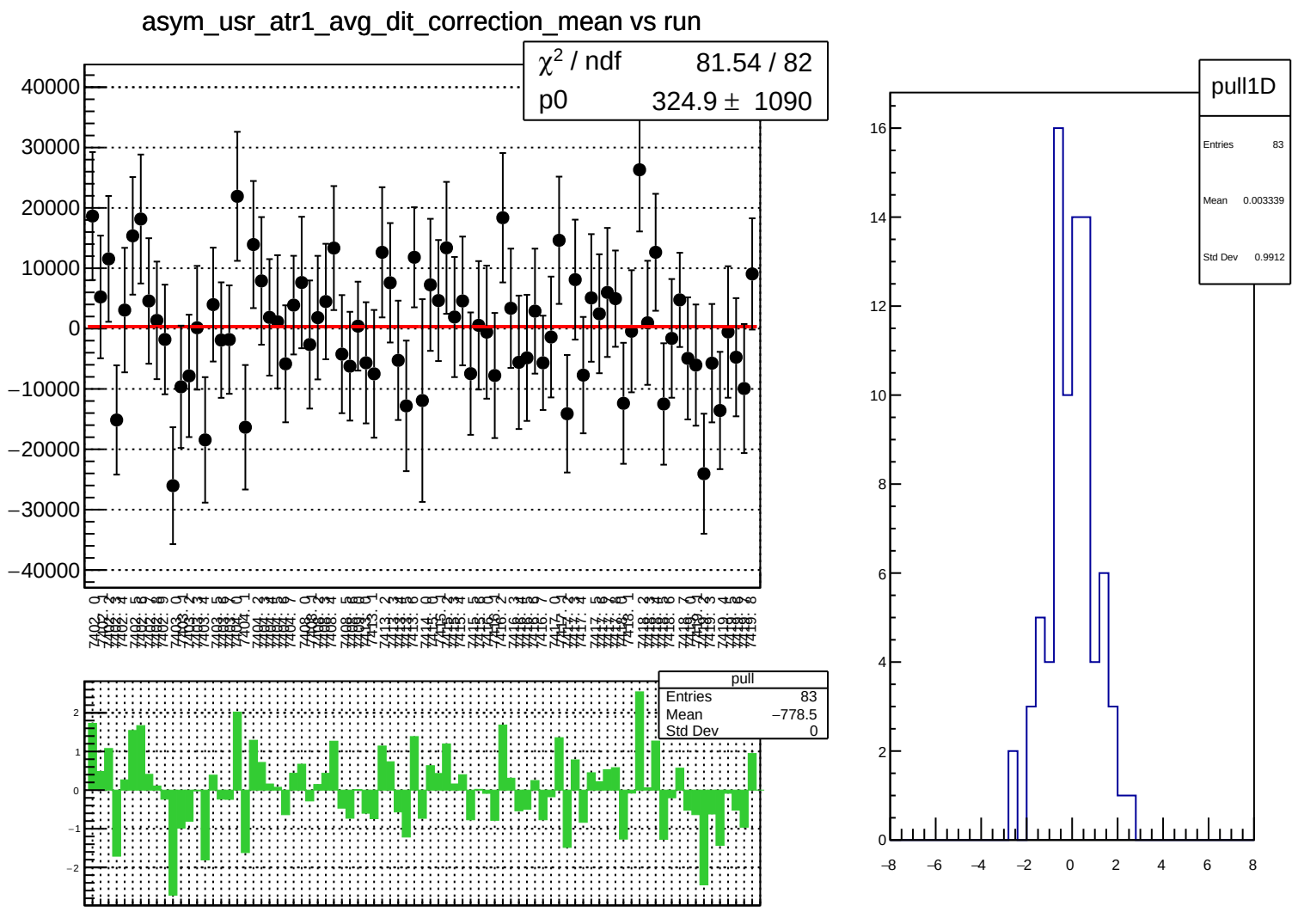

pull1D
Entries 83
Mean 0.001362
Std Dev 0.9875

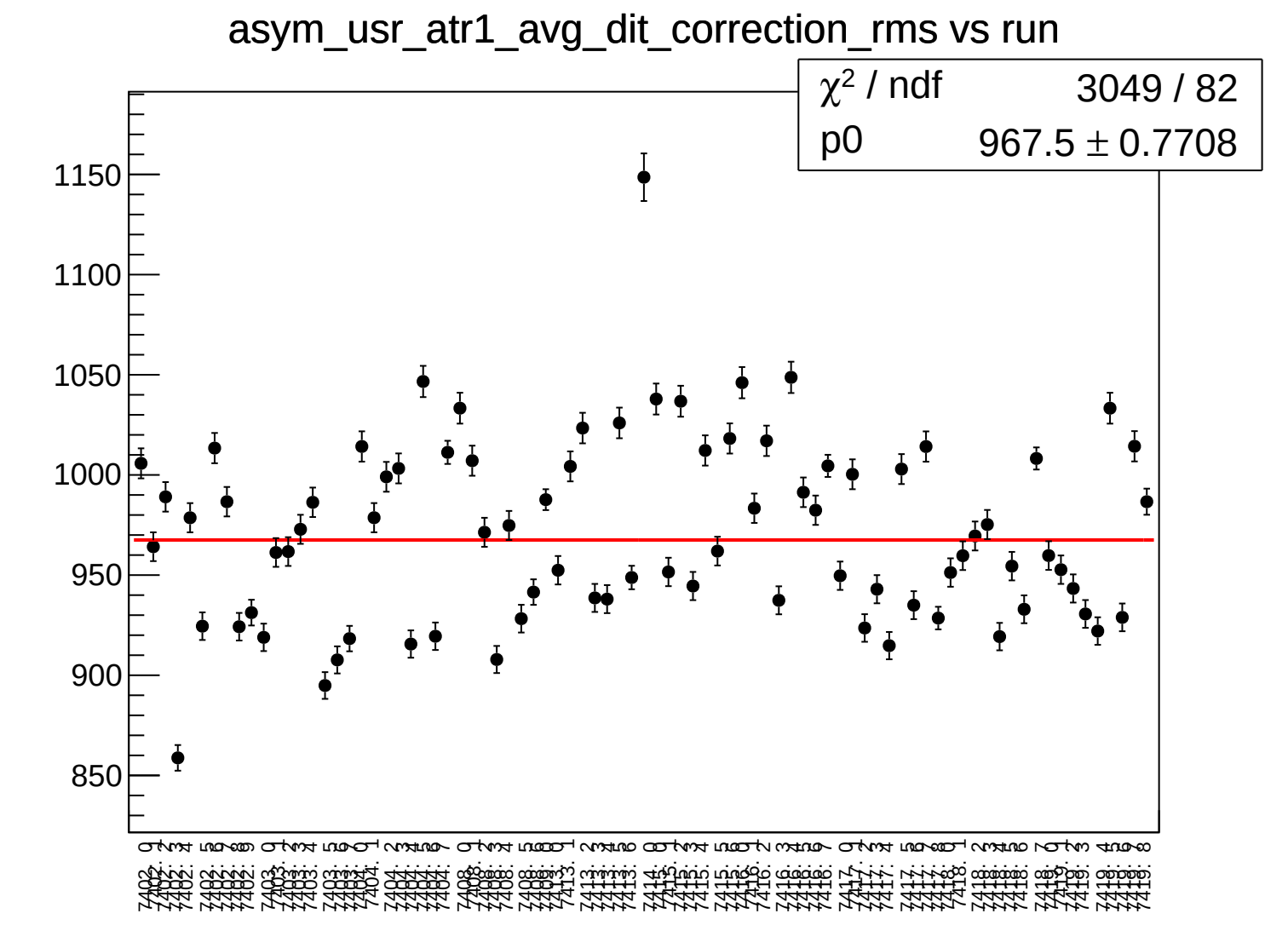

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5038 / 82
p0 928.8 ± 0.7404
1200
1150
1100
1050
1000
950
900
850
800

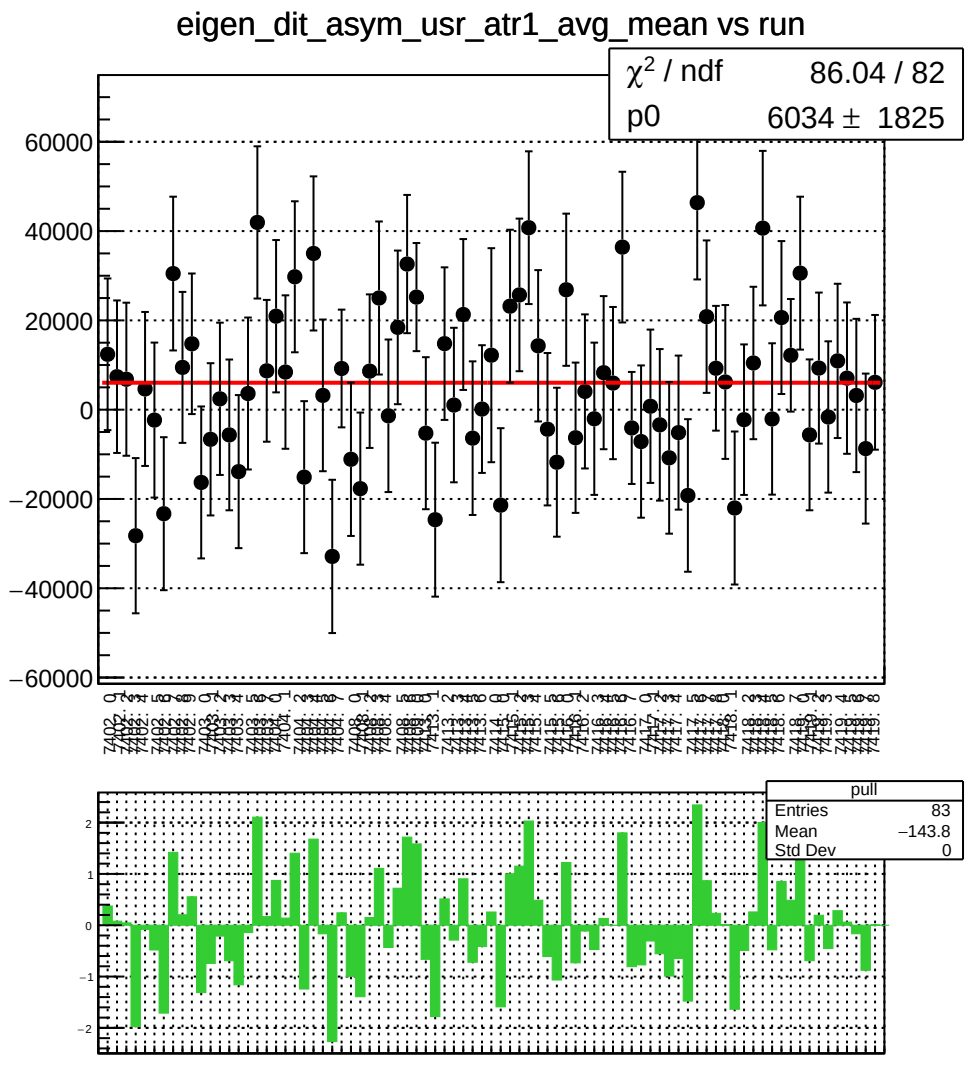

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.04 / 82
p0 6034 ± 1825
pull
Entries 83
Mean −143.8
Std Dev 0

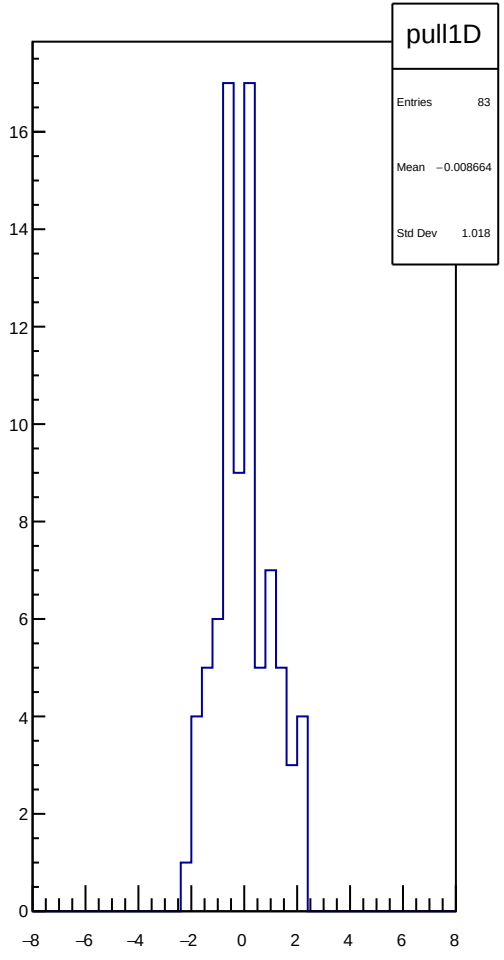

pull1D
Entries 83
Mean −0.008664
Std Dev 1.018

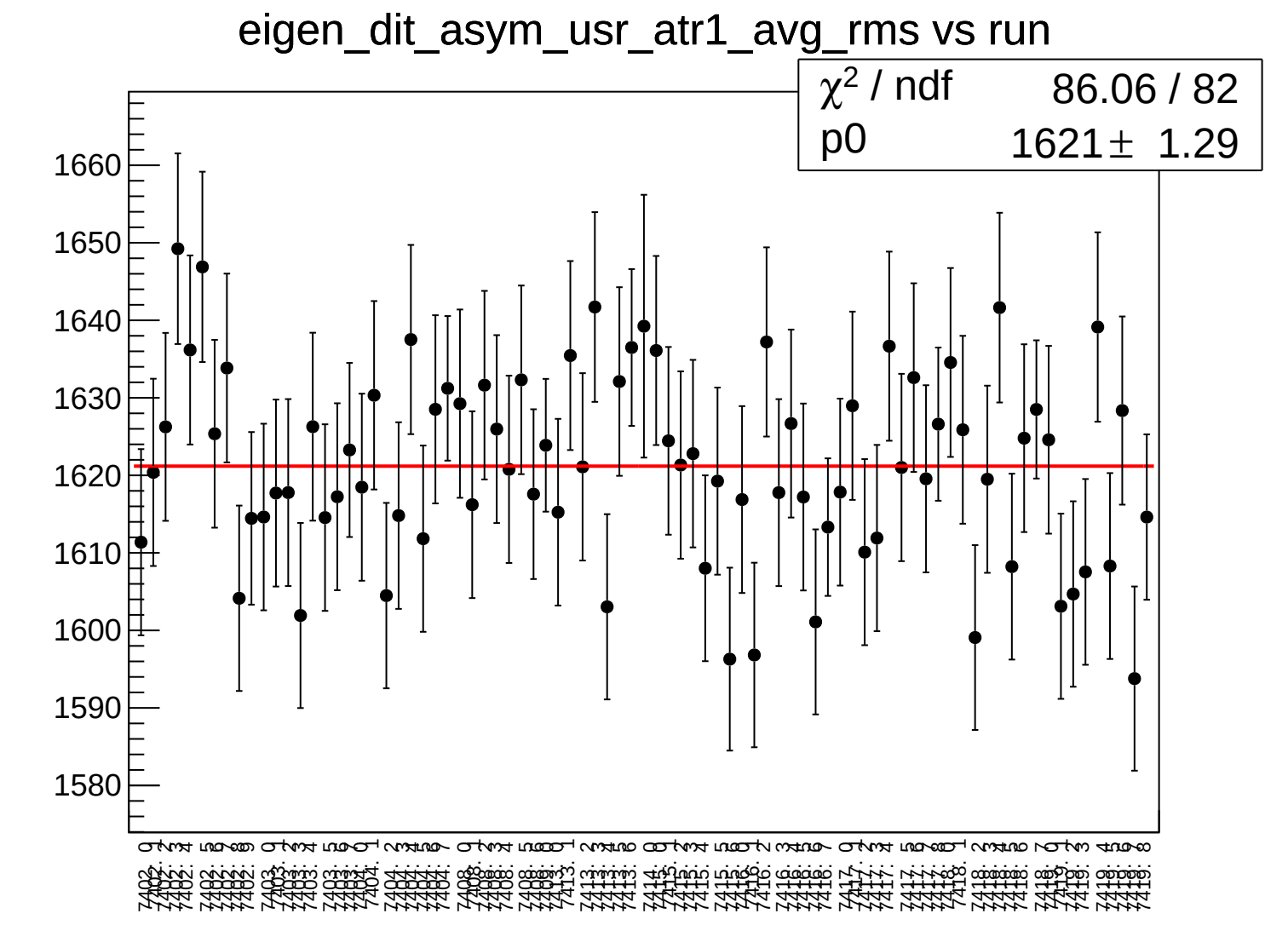

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 86.06 / 82
p0 1621 ± 1.29
1660
1650
1640
1630
1620
1610
1600
1590
1580

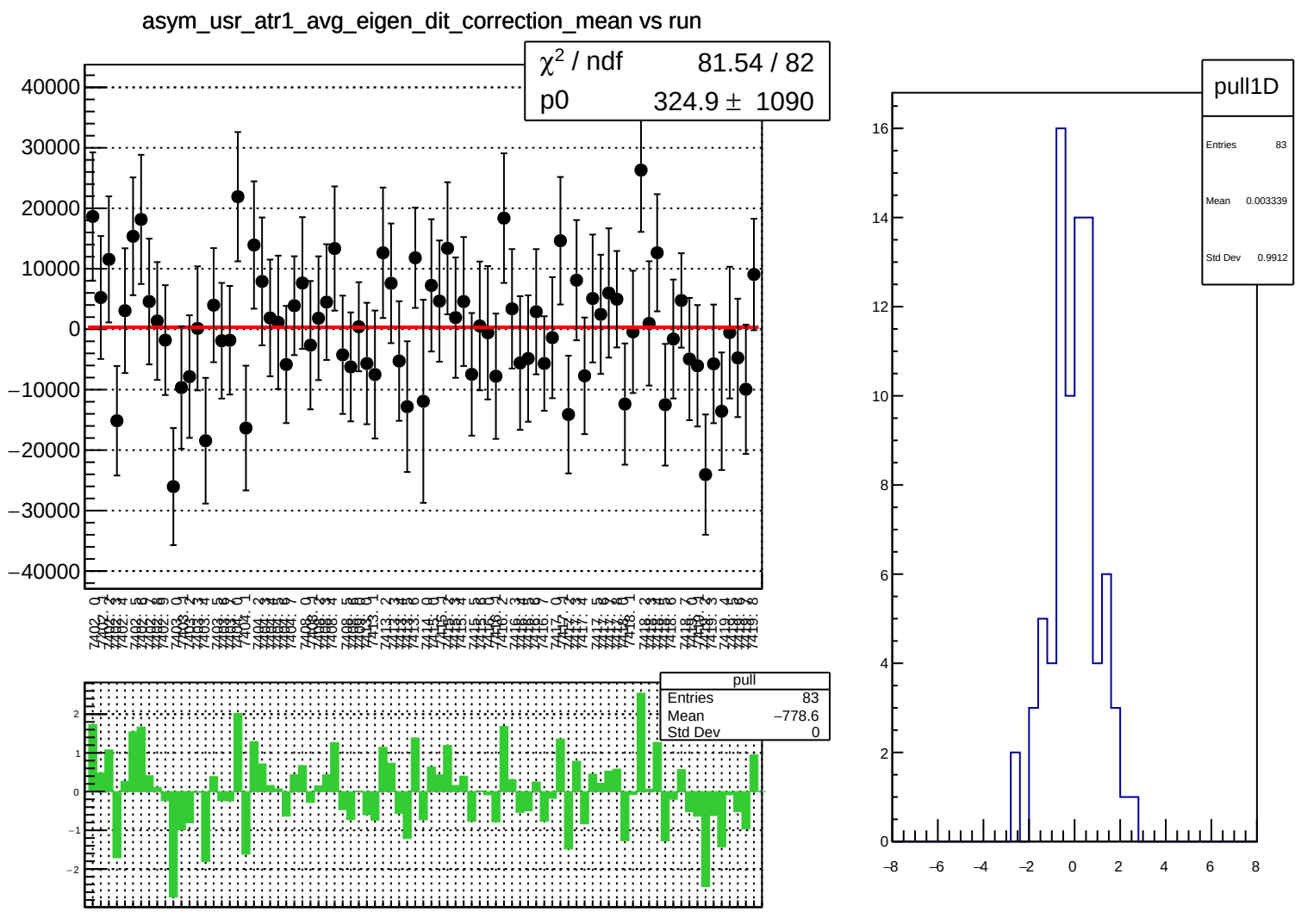

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 81.54 / 82
p0 324.9 ± 1090
pull
Entries 83
Mean −778.5
Std Dev 0
pull1D
Entries 83
Mean 0.003339
Std Dev 0.9912

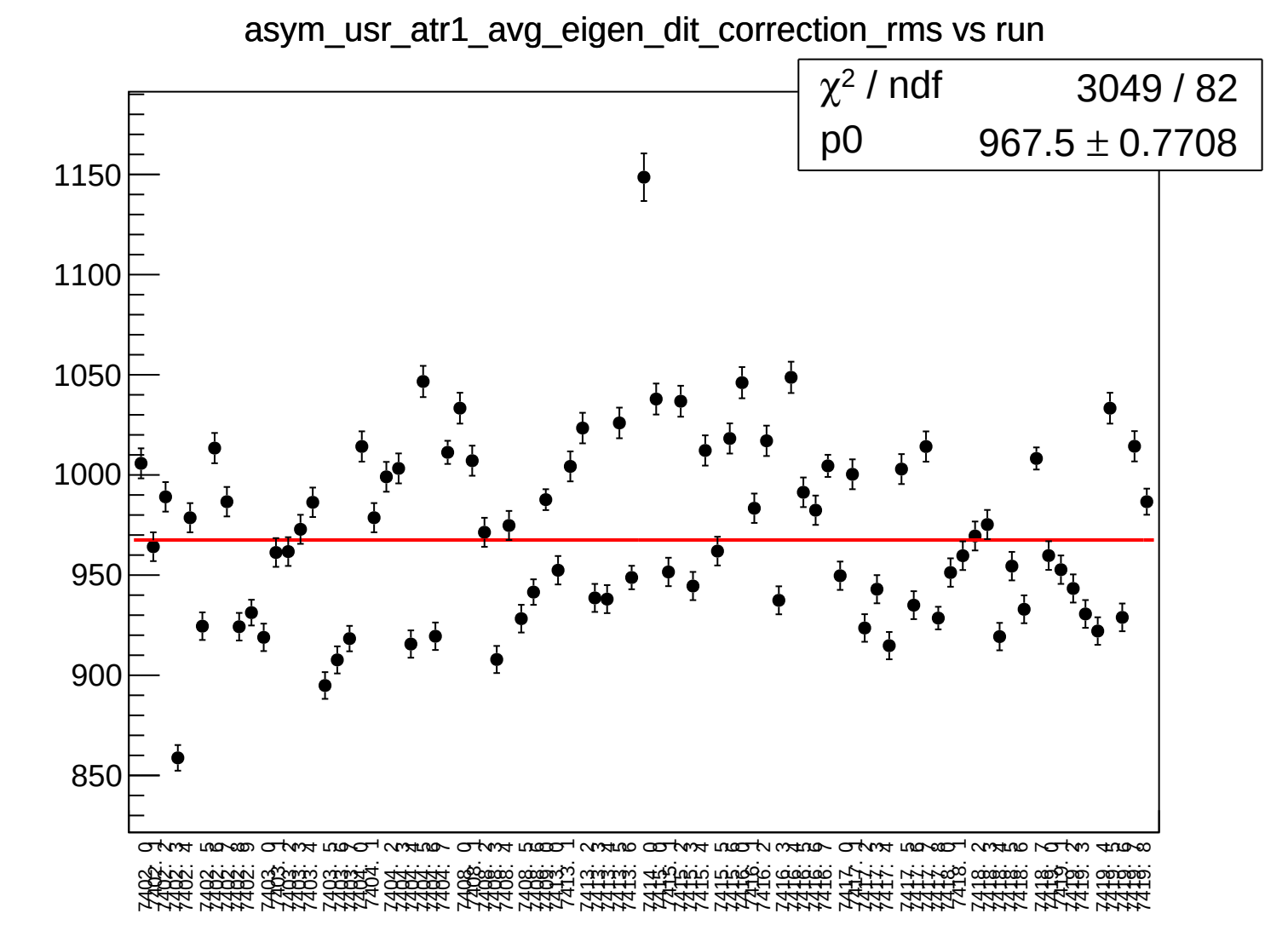

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 3049 / 82
p0 967.5 ± 0.7708
1150
1100
1050
1000
950
900
850

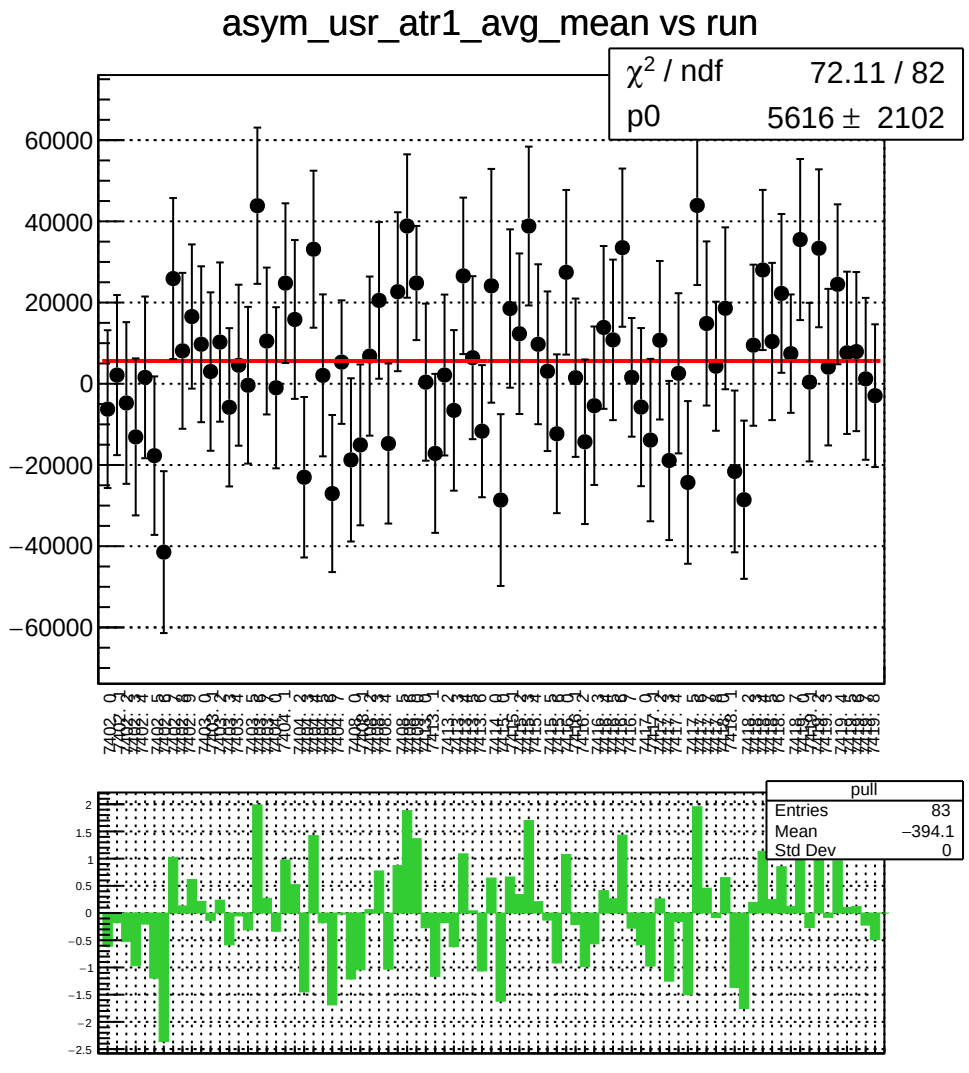

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.04 / 82
p0 6034 ± 1825
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −143.8
Std Dev 0
2
1
0
−1
−2

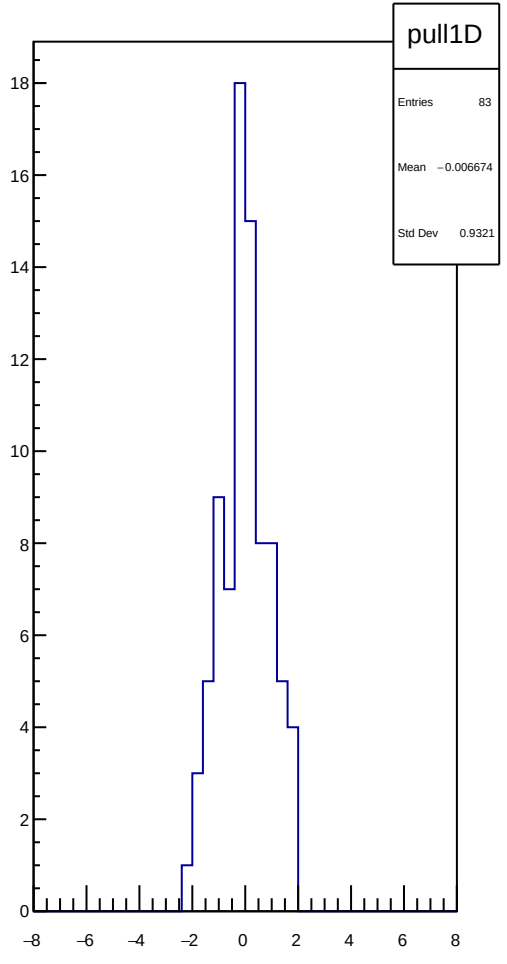

pull1D
Entries 83
Mean −0.008664
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

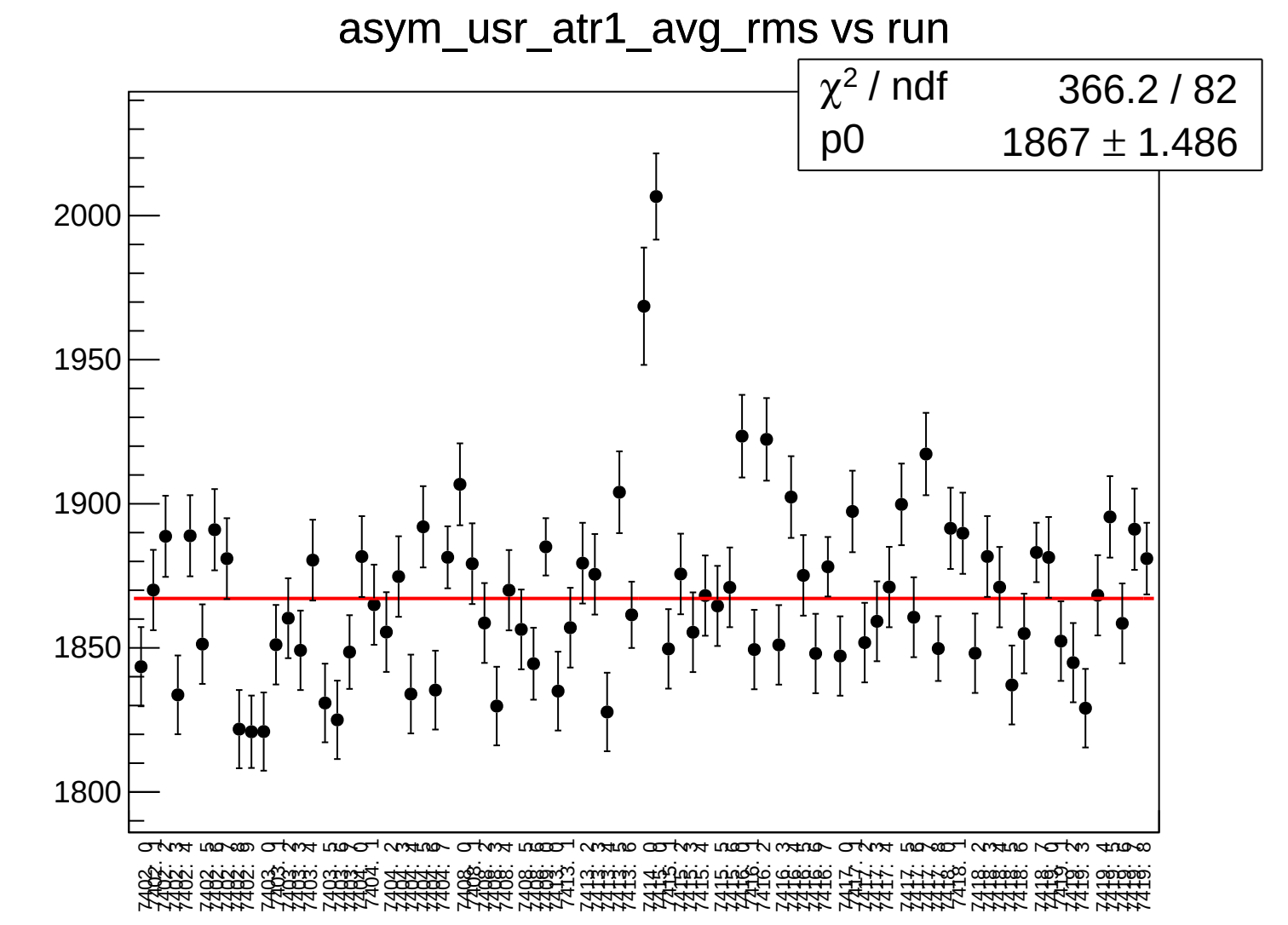

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 86.06 / 82
p0 1621 ± 1.29
1660
1650
1640
1630
1620
1610
1600
1590
1580

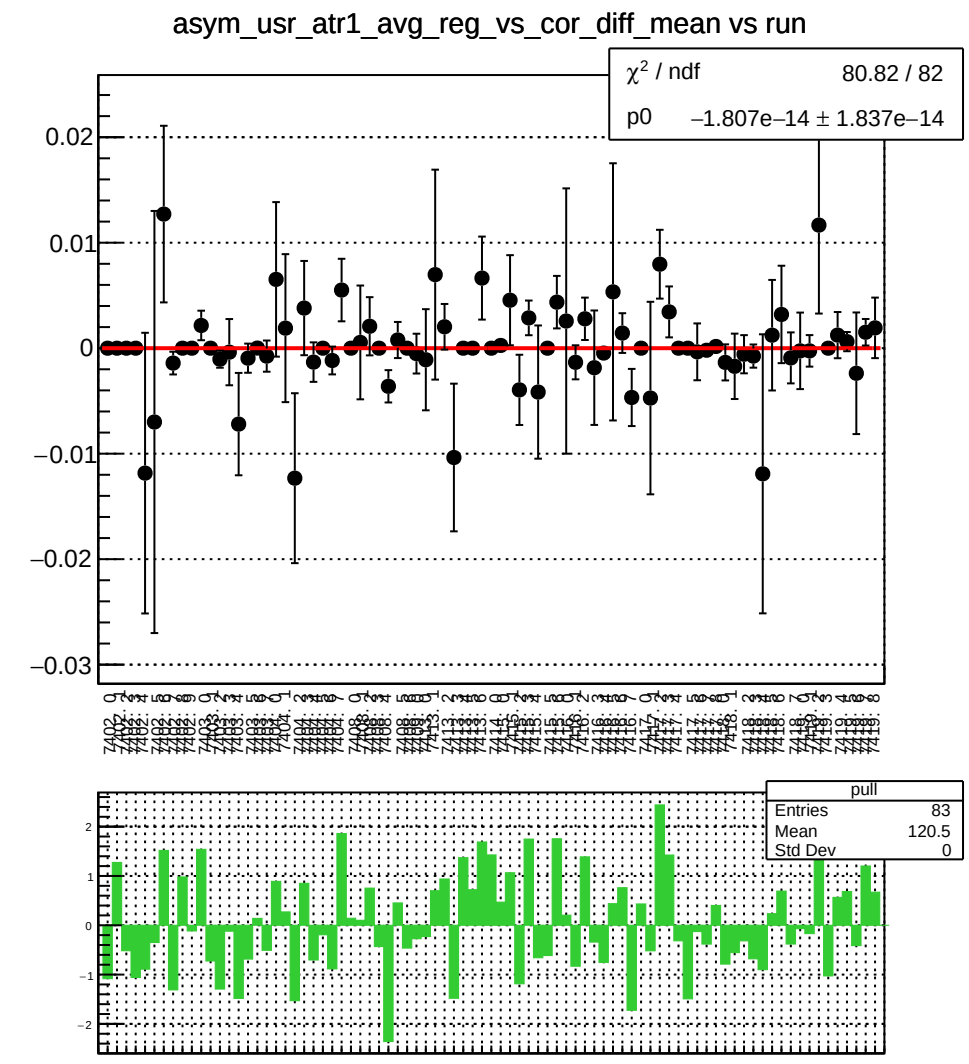

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.54 / 82
p0 324.9 ± 1090
pull
Entries 83
Mean −778.6
Std Dev 0
pull1D
Entries 83
Mean 0.003339
Std Dev 0.9912

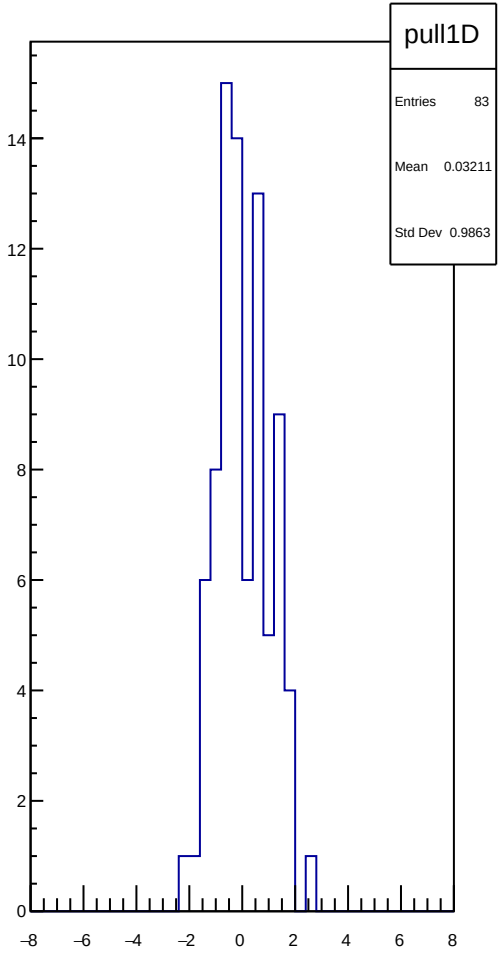

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3049 / 82
p0 967.5 ± 0.7708
1150
1100
1050
1000
950
900
850

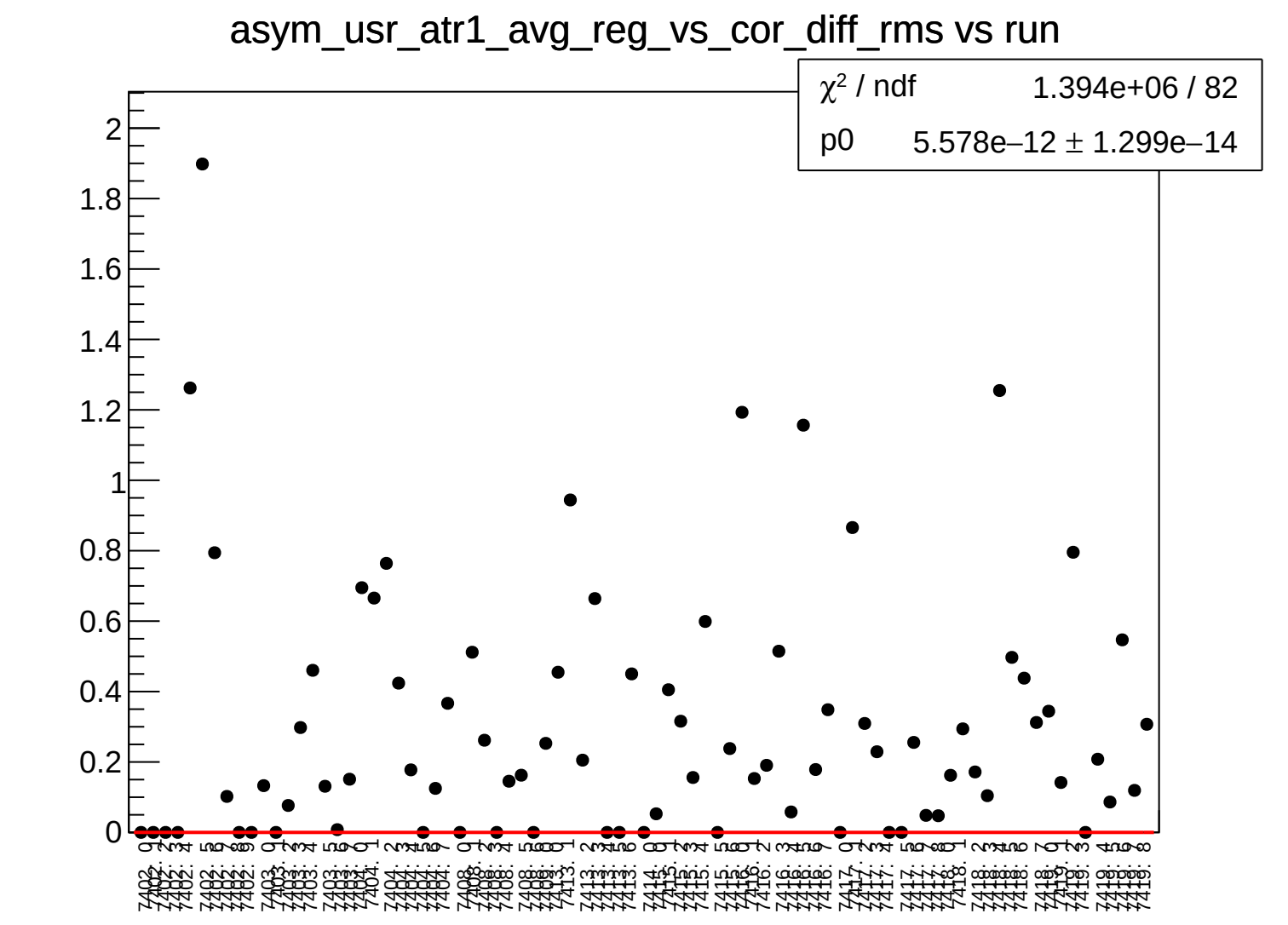

asym_usr_atr1_avg_mean vs run
χ² / ndf 72.11 / 82
p0 5616 ± 2102
pull
Entries 83
Mean −394.1
Std Dev 0

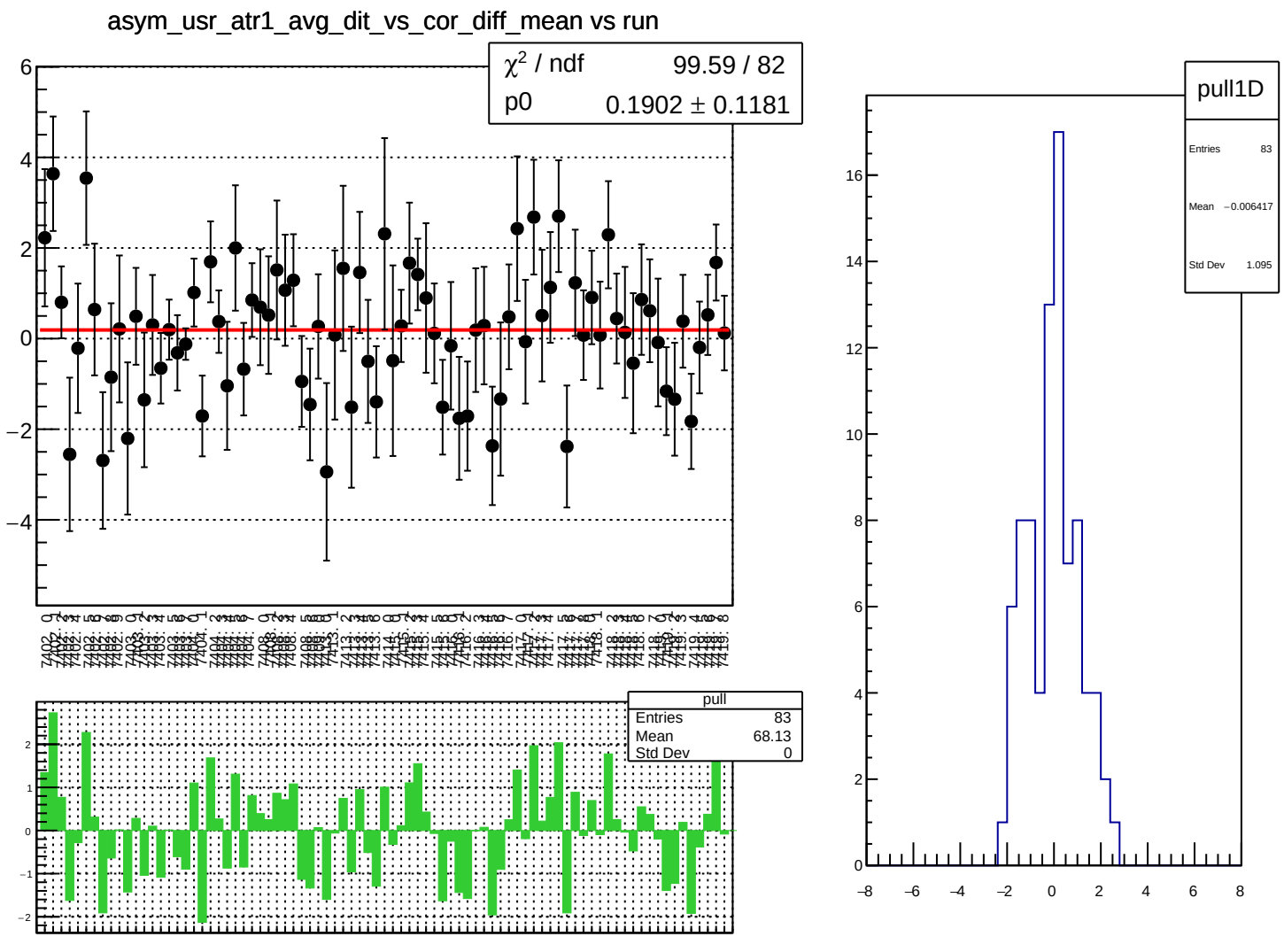

pull1D
Entries 83
Mean −0.006674
Std Dev 0.9321

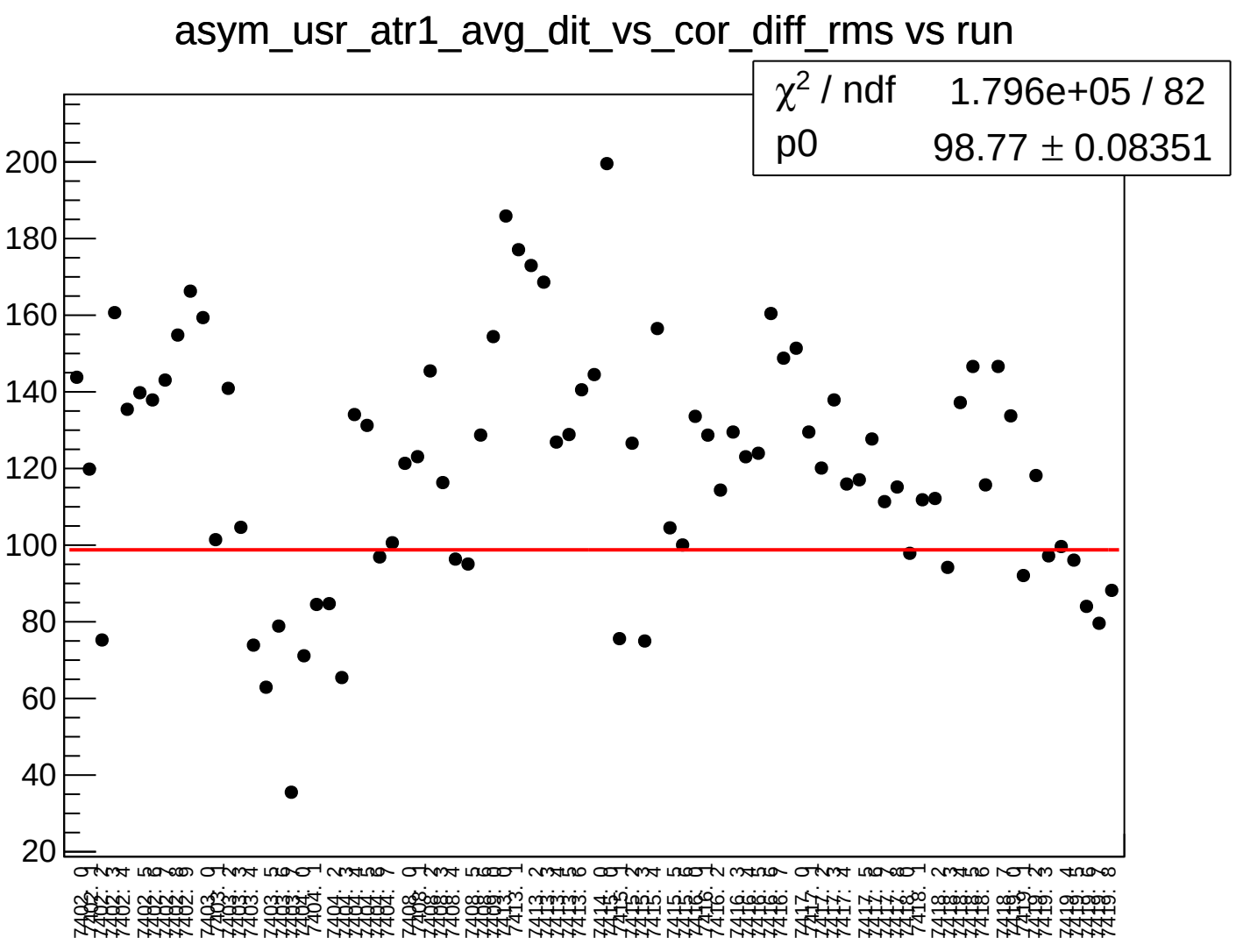

asym_usr_atr1_avg_rms vs run
χ^2 / ndf 366.2 / 82
p0 1867 ± 1.486
2000
1950
1900
1850
1800

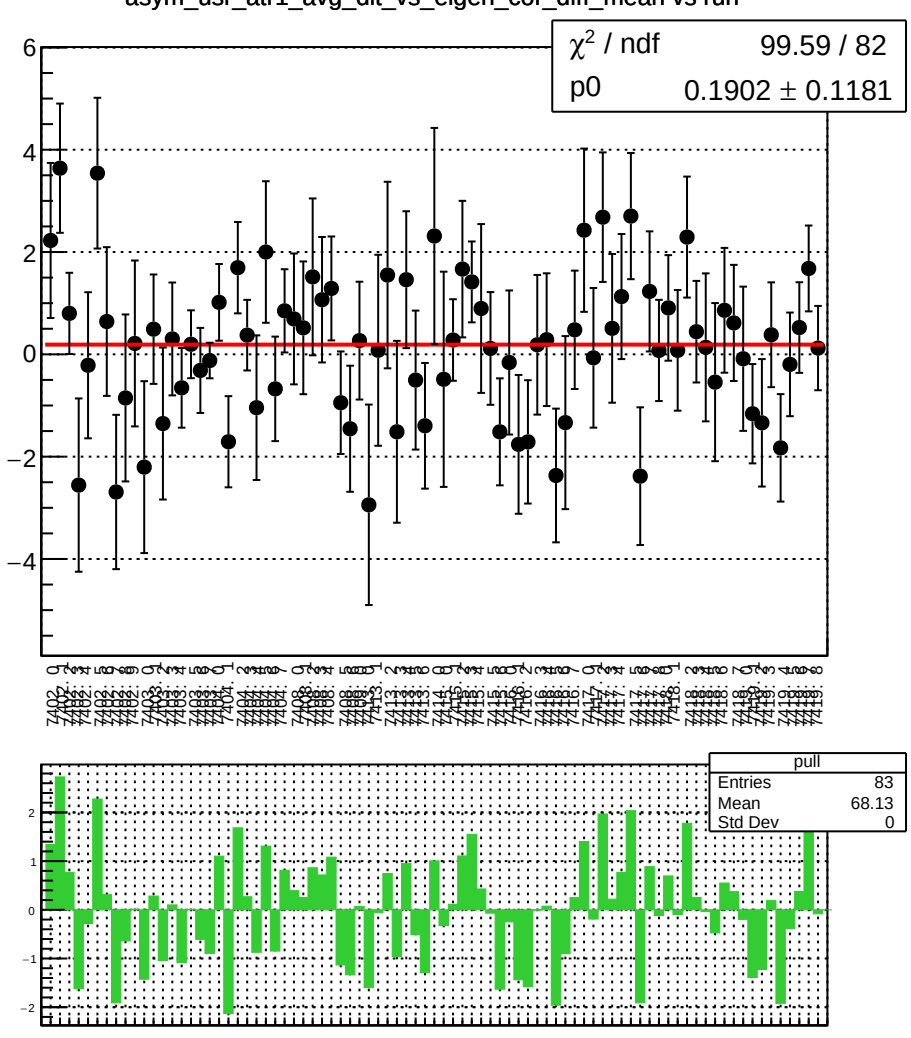

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 80.82 / 82
p0 −1.807e−14 ± 1.837e−14
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean 120.5
Std Dev 0
2
1
0
−1
−2

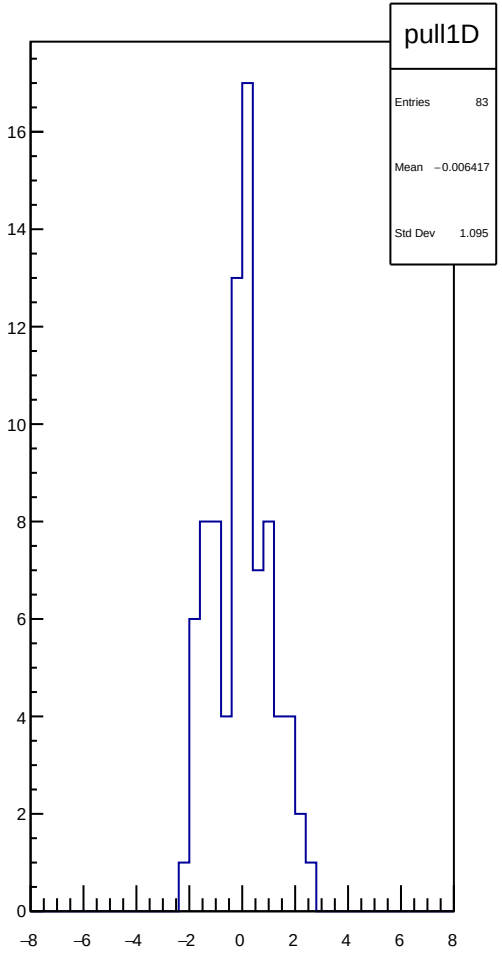

pull1D
Entries 83
Mean 0.03211
Std Dev 0.9863
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

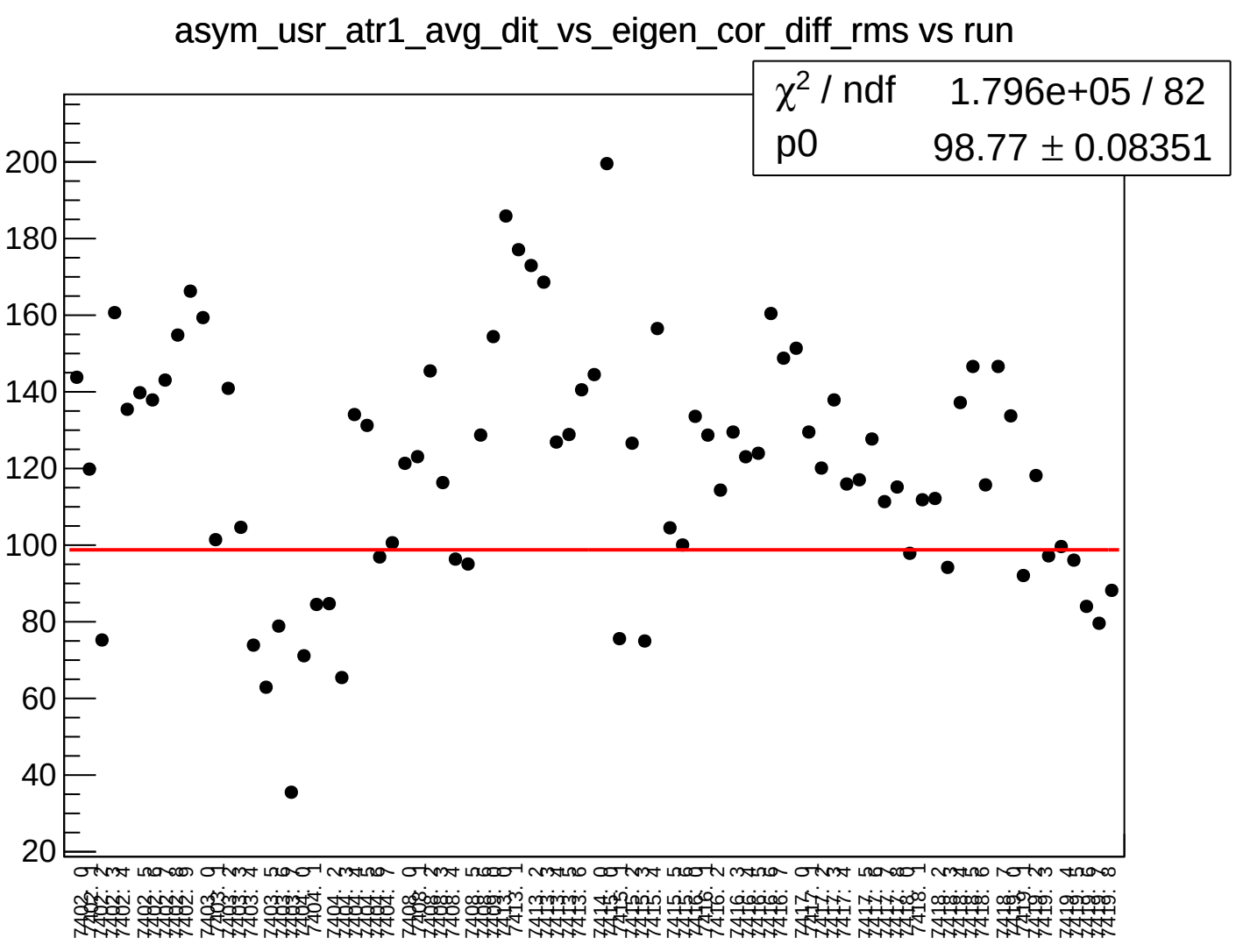

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.394e+06 / 82
p0 5.578e−12 ± 1.299e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

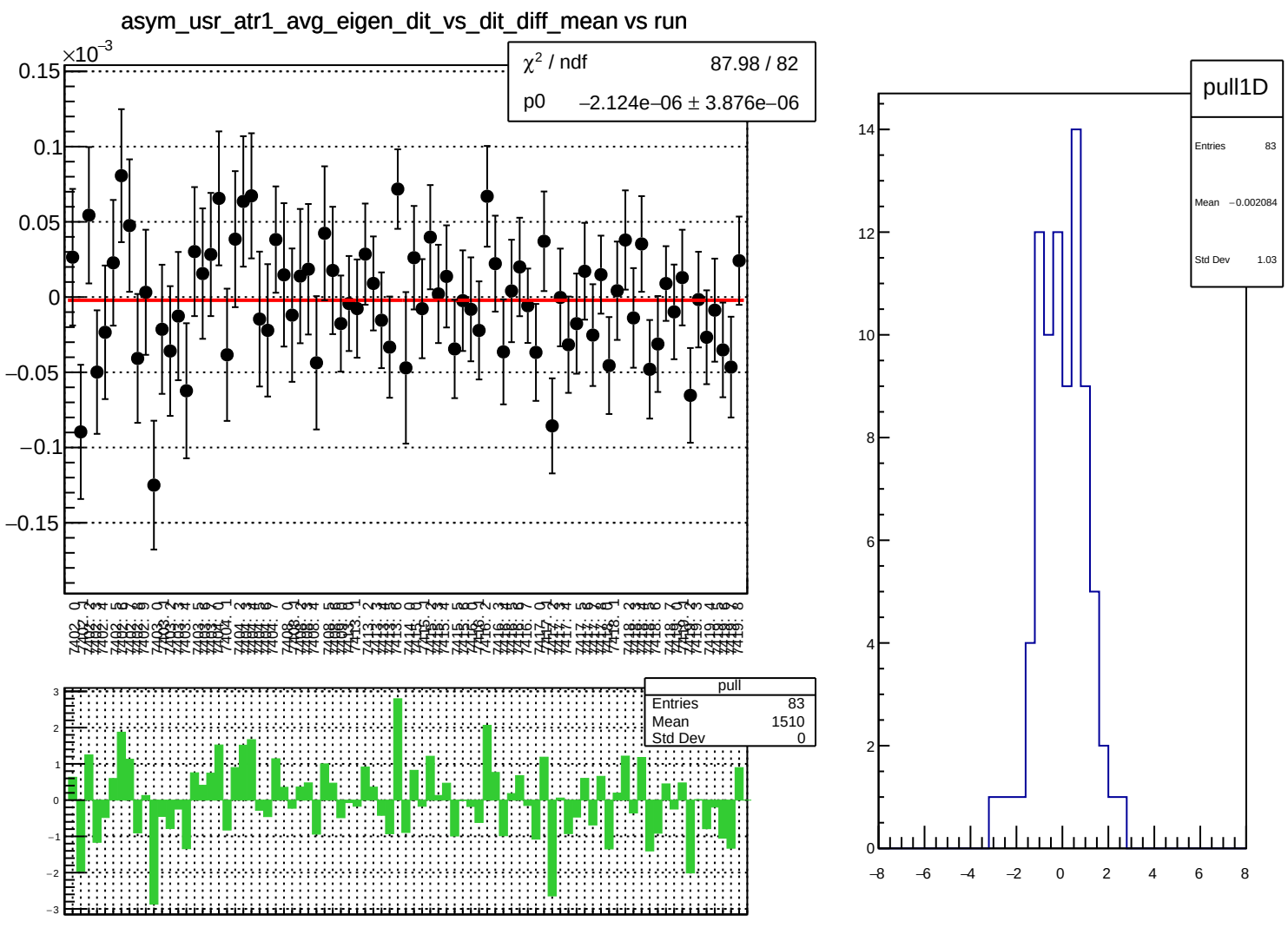

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 99.59 / 82
p0 0.1902 ± 0.1181
pull
Entries 83
Mean 68.13
Std Dev 0
pull1D
Entries 83
Mean −0.006417
Std Dev 1.095

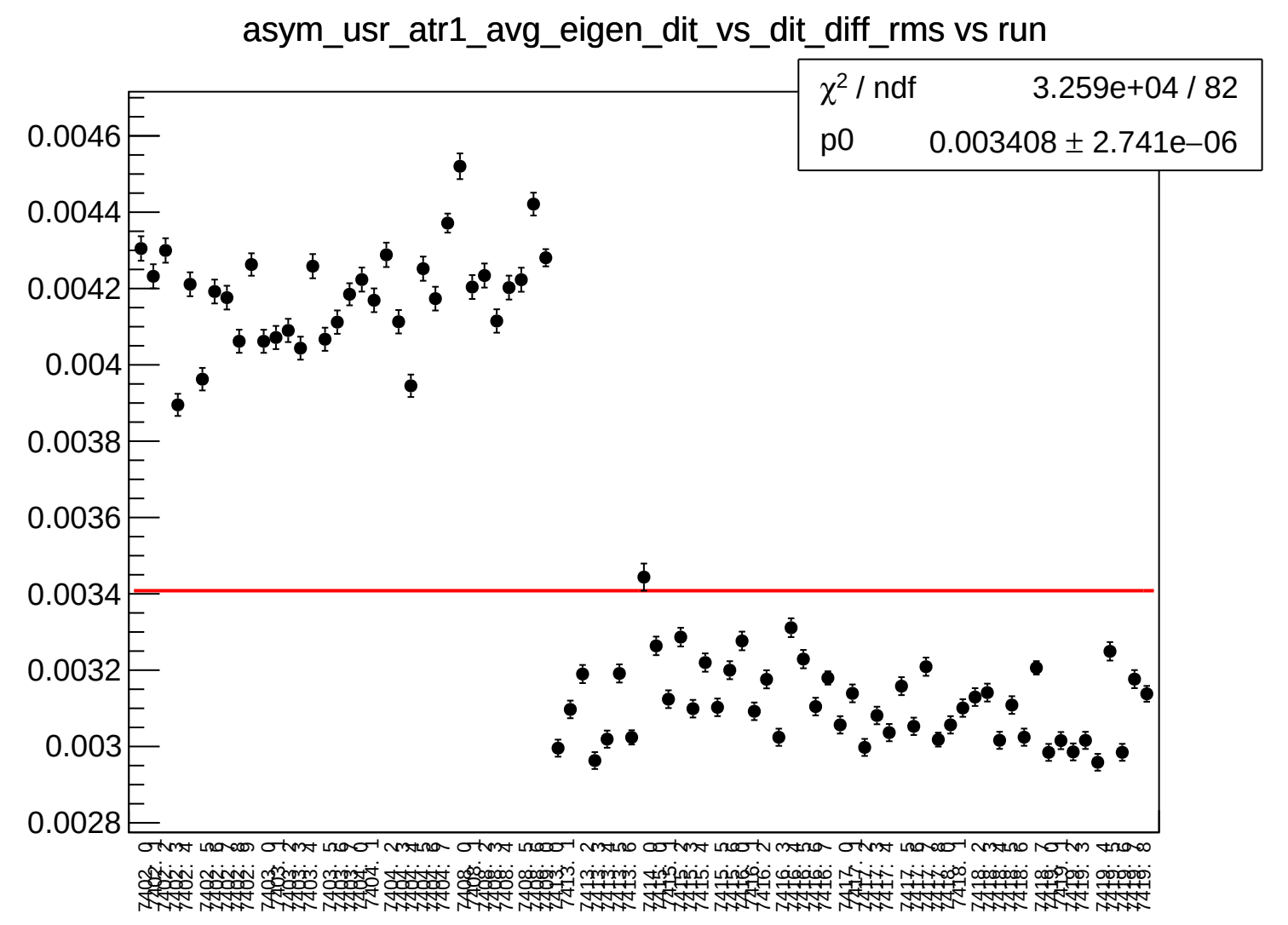

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.796e+05 / 82
p0 98.77 ± 0.08351
200
180
160
140
120
100
80
60
40
20

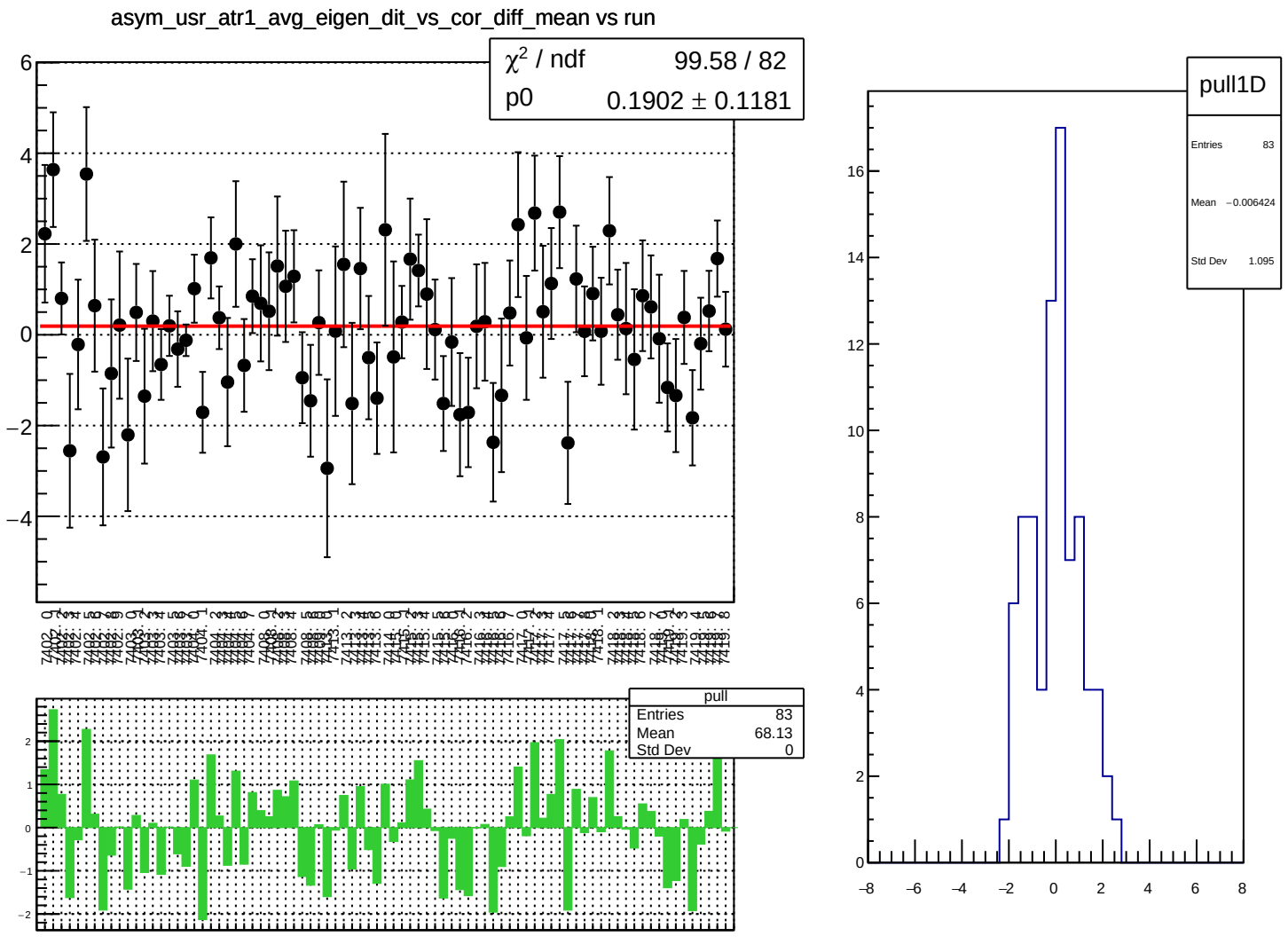

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.59 / 82
p0 0.1902 ± 0.1181
pull
Entries 83
Mean 68.13
Std Dev 0

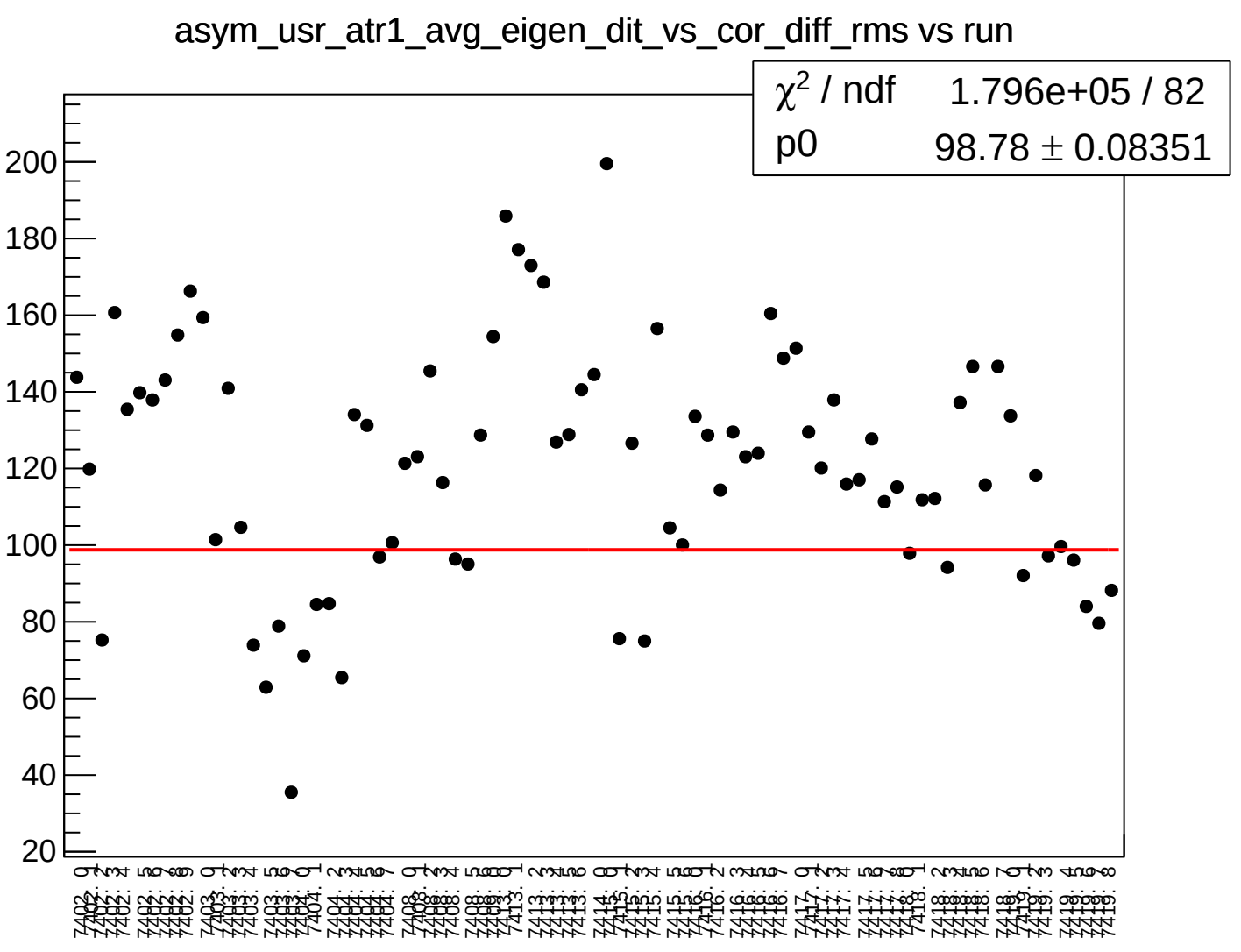

pull1D
Entries 83
Mean −0.006417
Std Dev 1.095

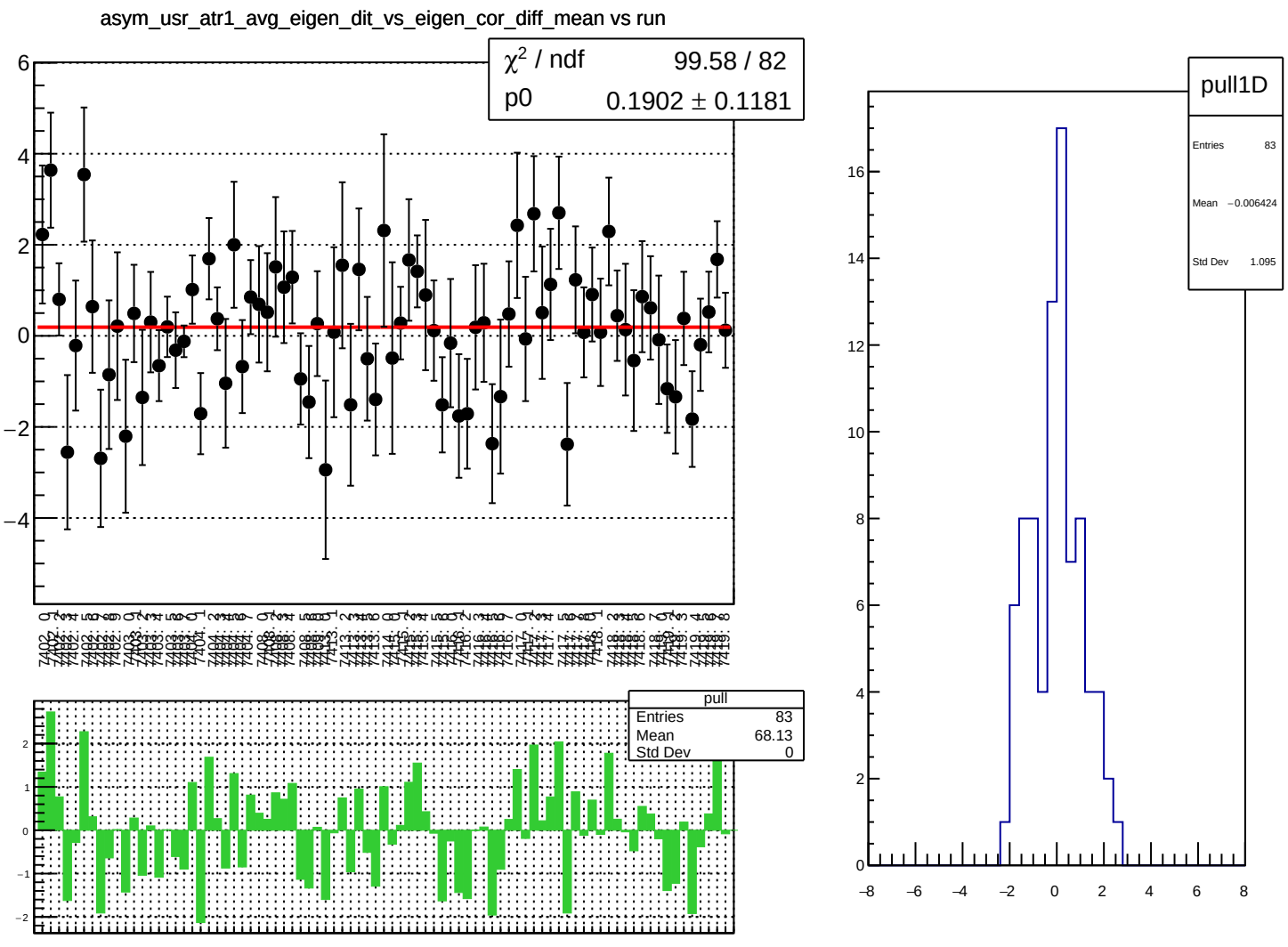

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.796e+05 / 82
p0 98.77 ± 0.08351
200
180
160
140
120
100
80
60
40
20

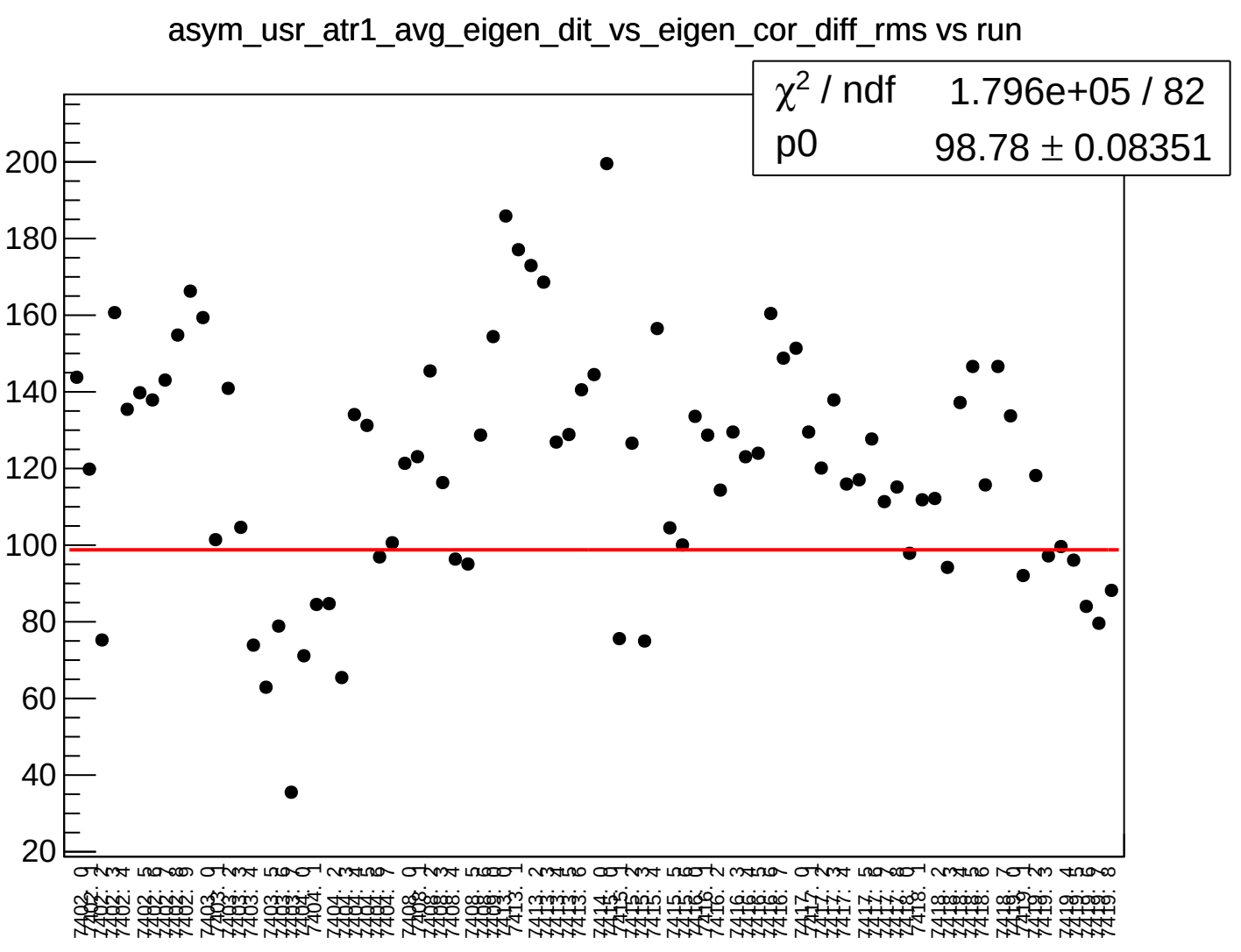

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.98 / 82
p0 −2.124e−06 ± 3.876e−06
pull
Entries 83
Mean 1510
Std Dev 0
pull1D
Entries 83
Mean −0.002084
Std Dev 1.03

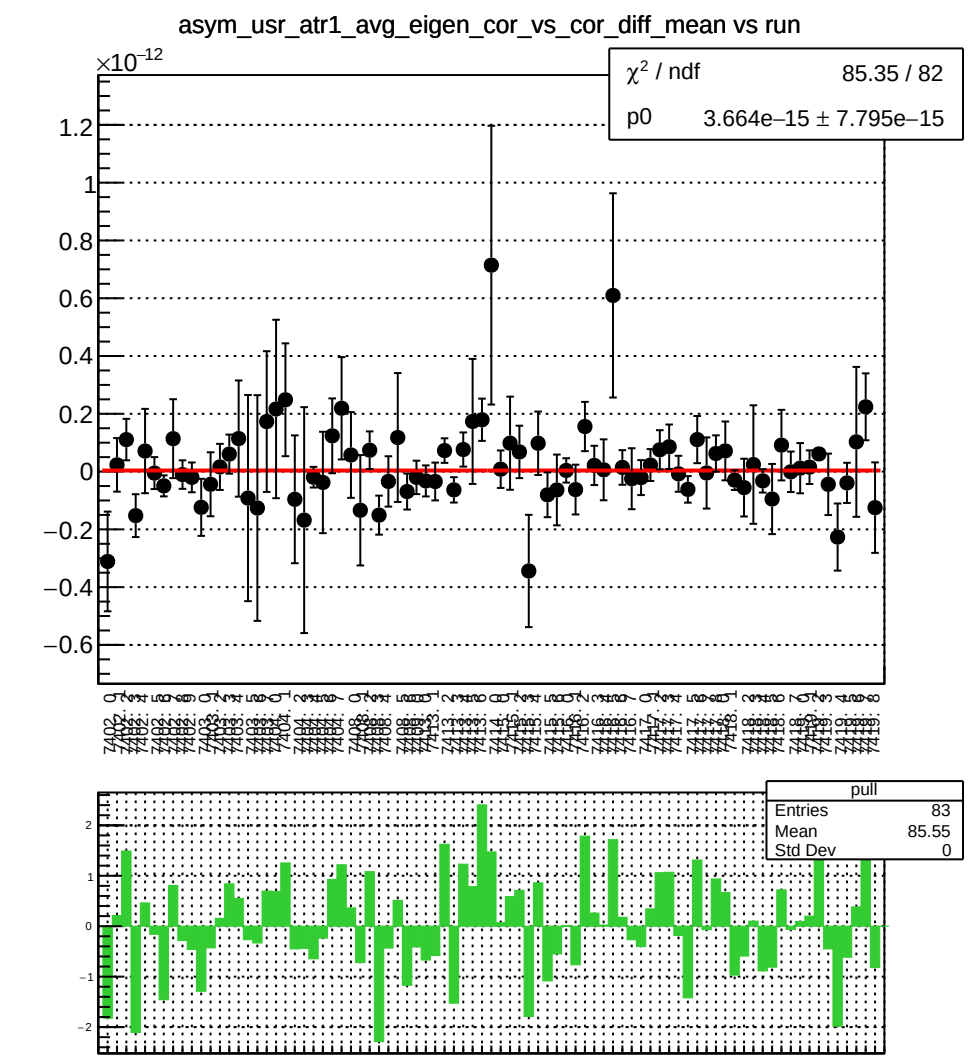

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.259e+04 / 82
p0 0.003408 ± 2.741e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

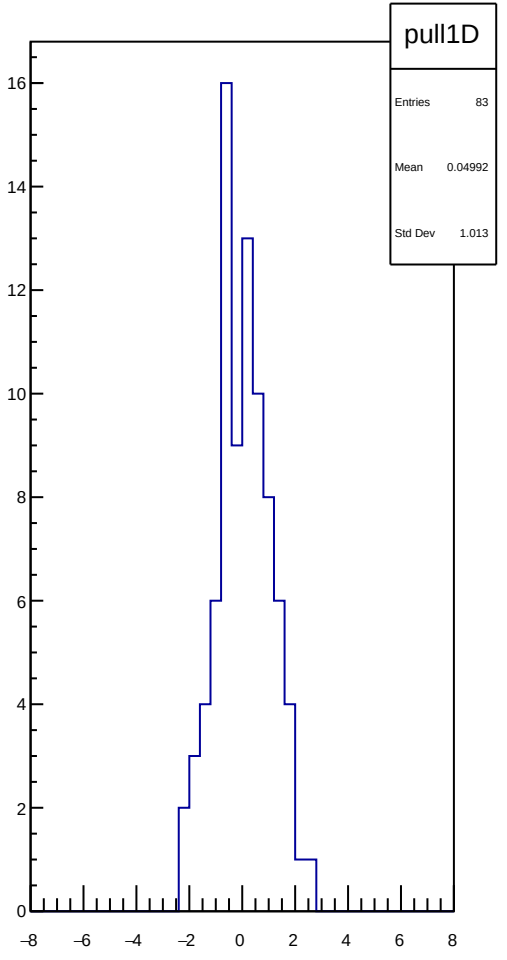

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.58 / 82
p0 0.1902 ± 0.1181
pull
Entries 83
Mean 68.13
Std Dev 0
pull1D
Entries 83
Mean −0.006424
Std Dev 1.095

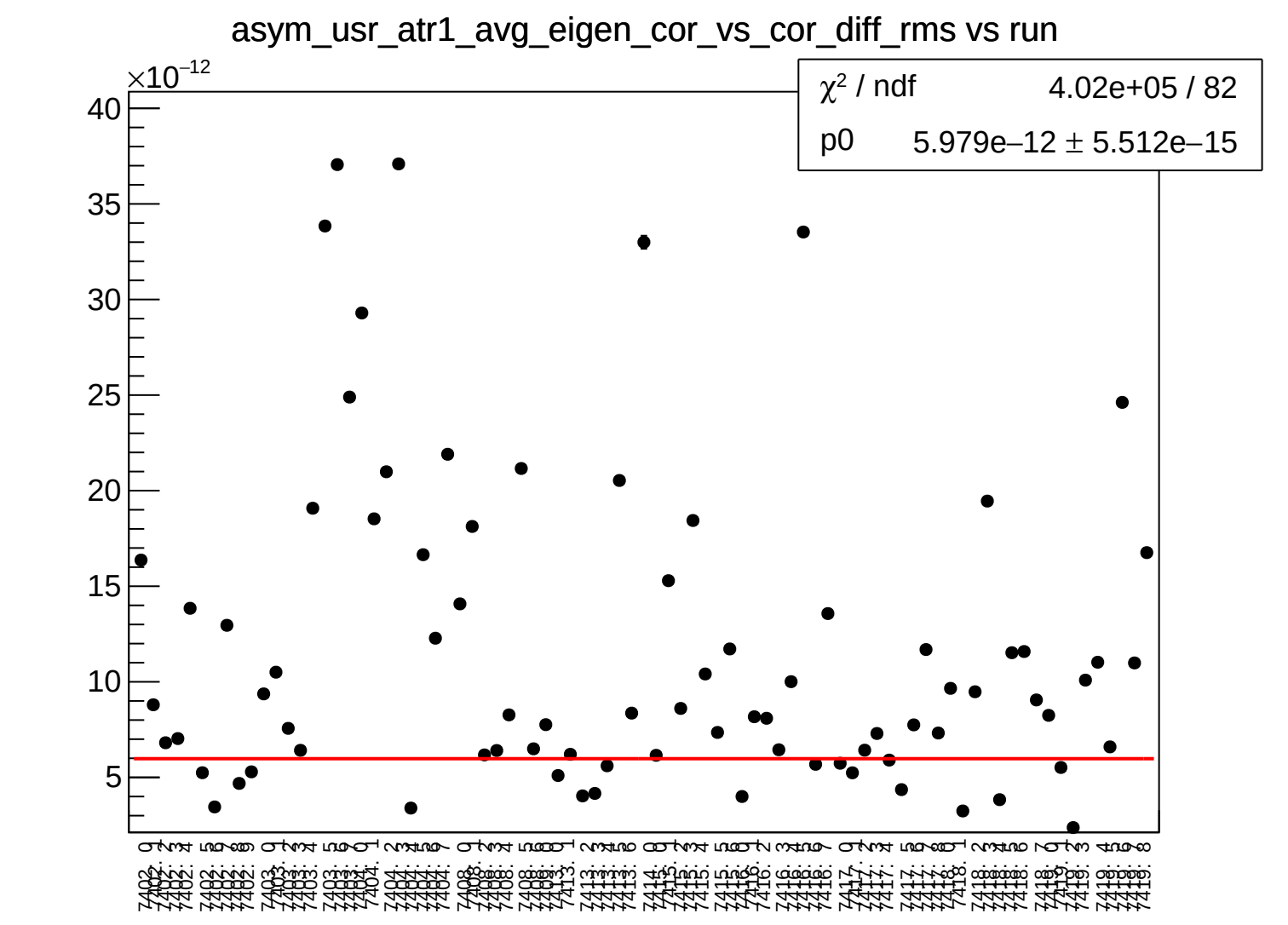

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.796e+05 / 82
p0 98.78 ± 0.08351
200
180
160
140
120
100
80
60
40
20

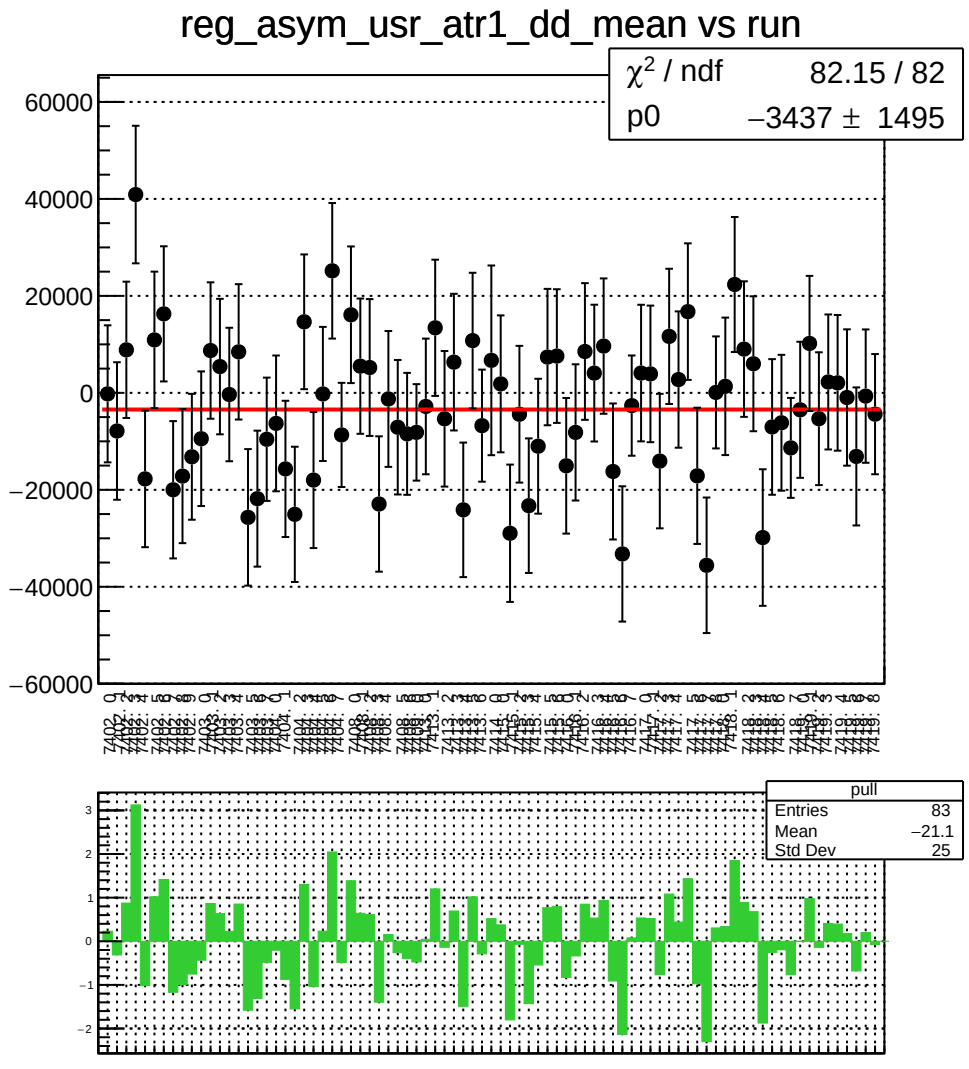

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.58 / 82
p0 0.1902 ± 0.1181
pull
Entries 83
Mean 68.13
Std Dev 0
pull1D
Entries 83
Mean −0.006424
Std Dev 1.095

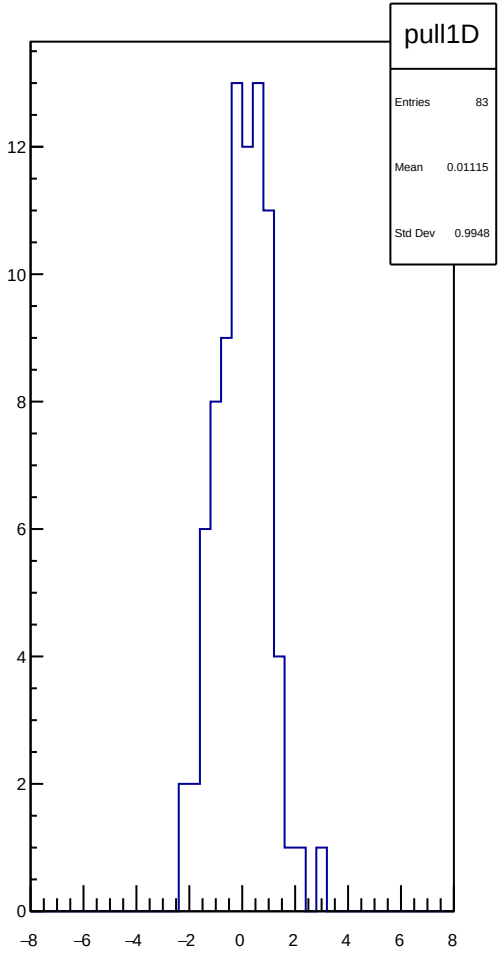

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.796e+05 / 82
p0 98.78 ± 0.08351
200
180
160
140
120
100
80
60
40
20

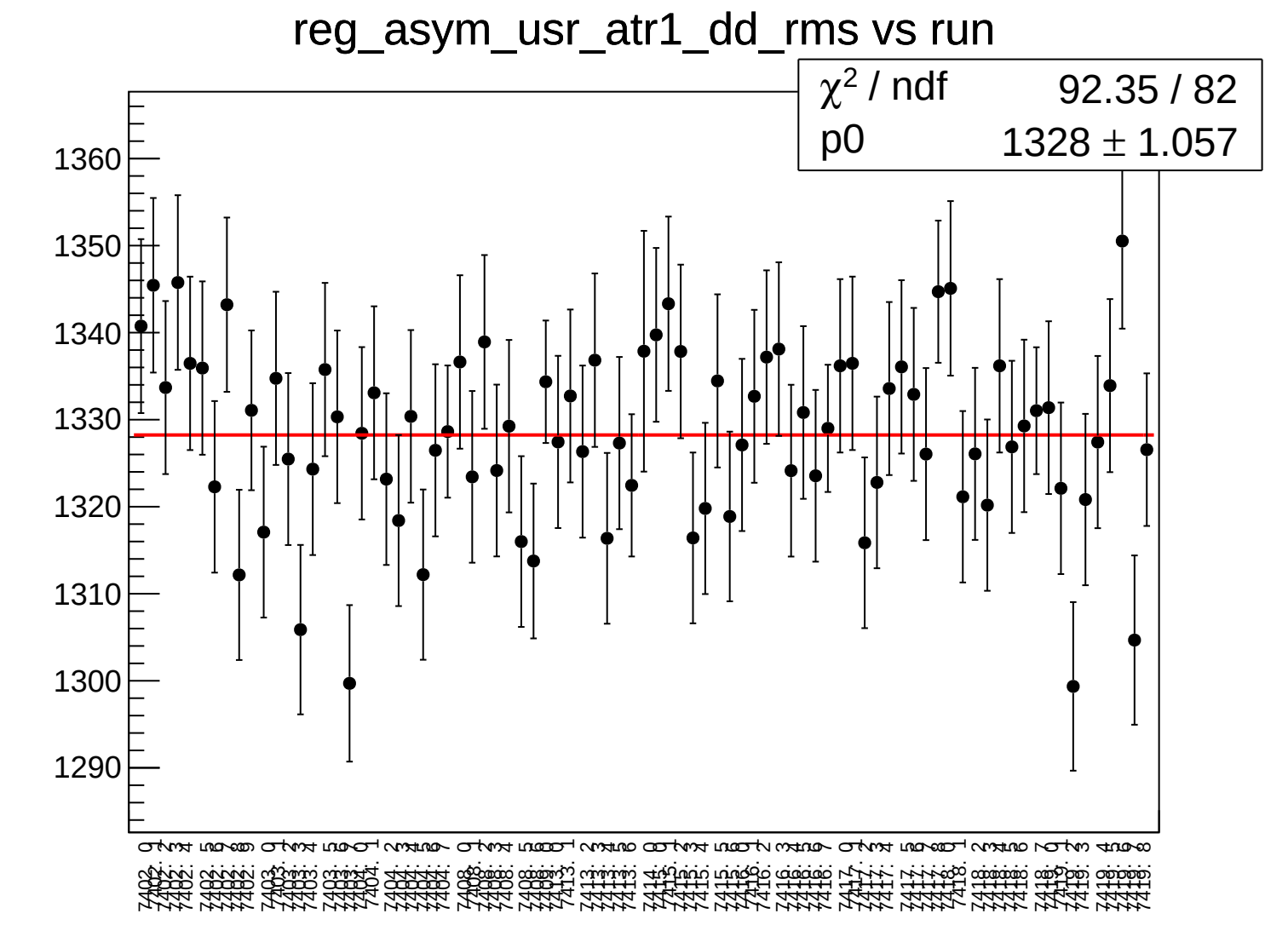

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.35 / 82
p0 3.664e−15 ± 7.795e−15
pull
Entries 83
Mean 85.55
Std Dev 0

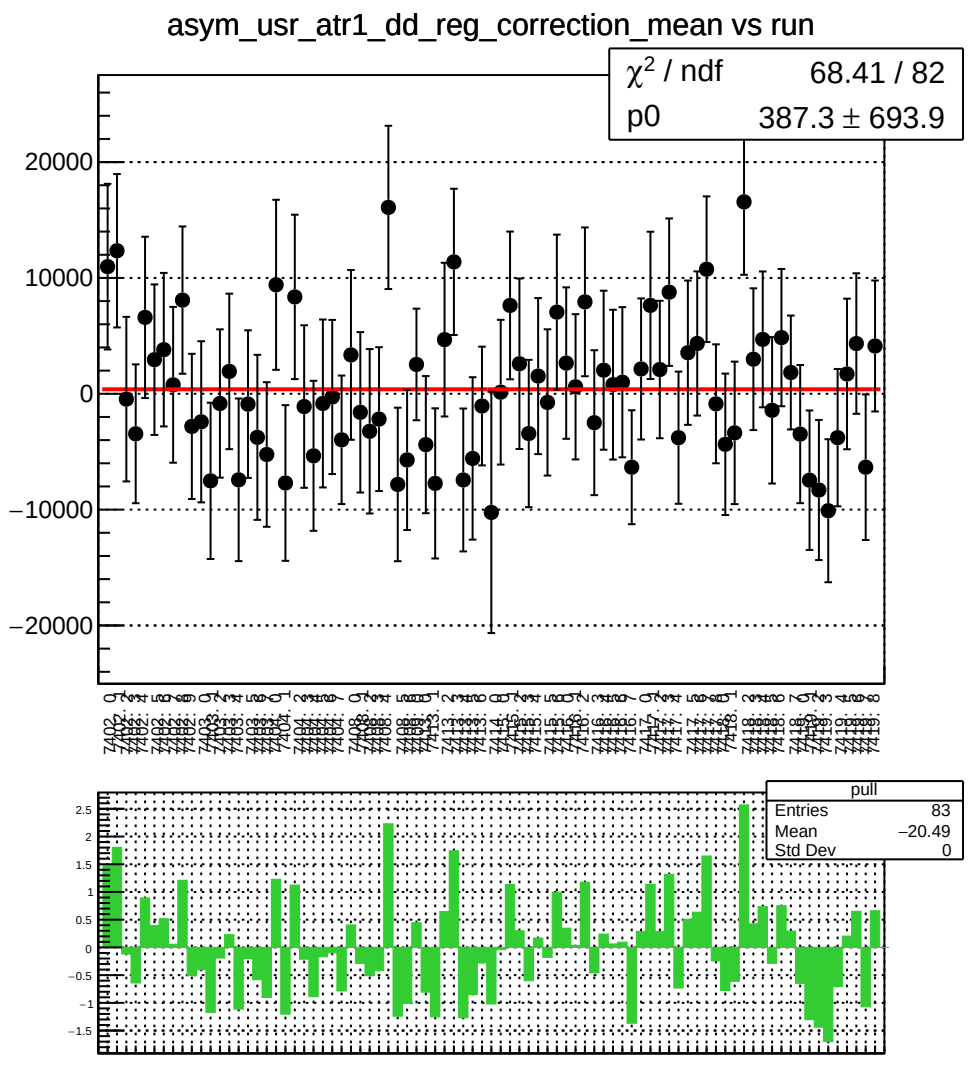

pull1D
Entries 83
Mean 0.04992
Std Dev 1.013

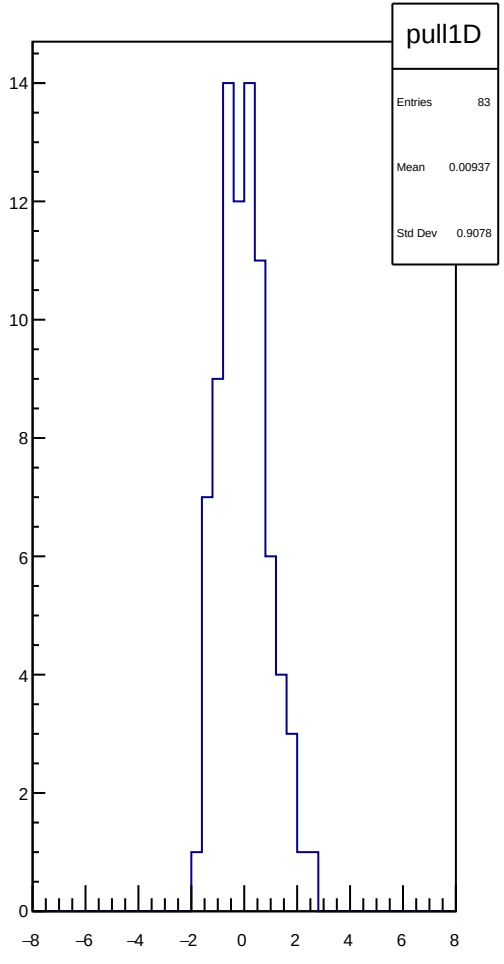

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.02e+05 / 82
p0 5.979e−12 ± 5.512e−15
40
35
30
25
20
15
10
5

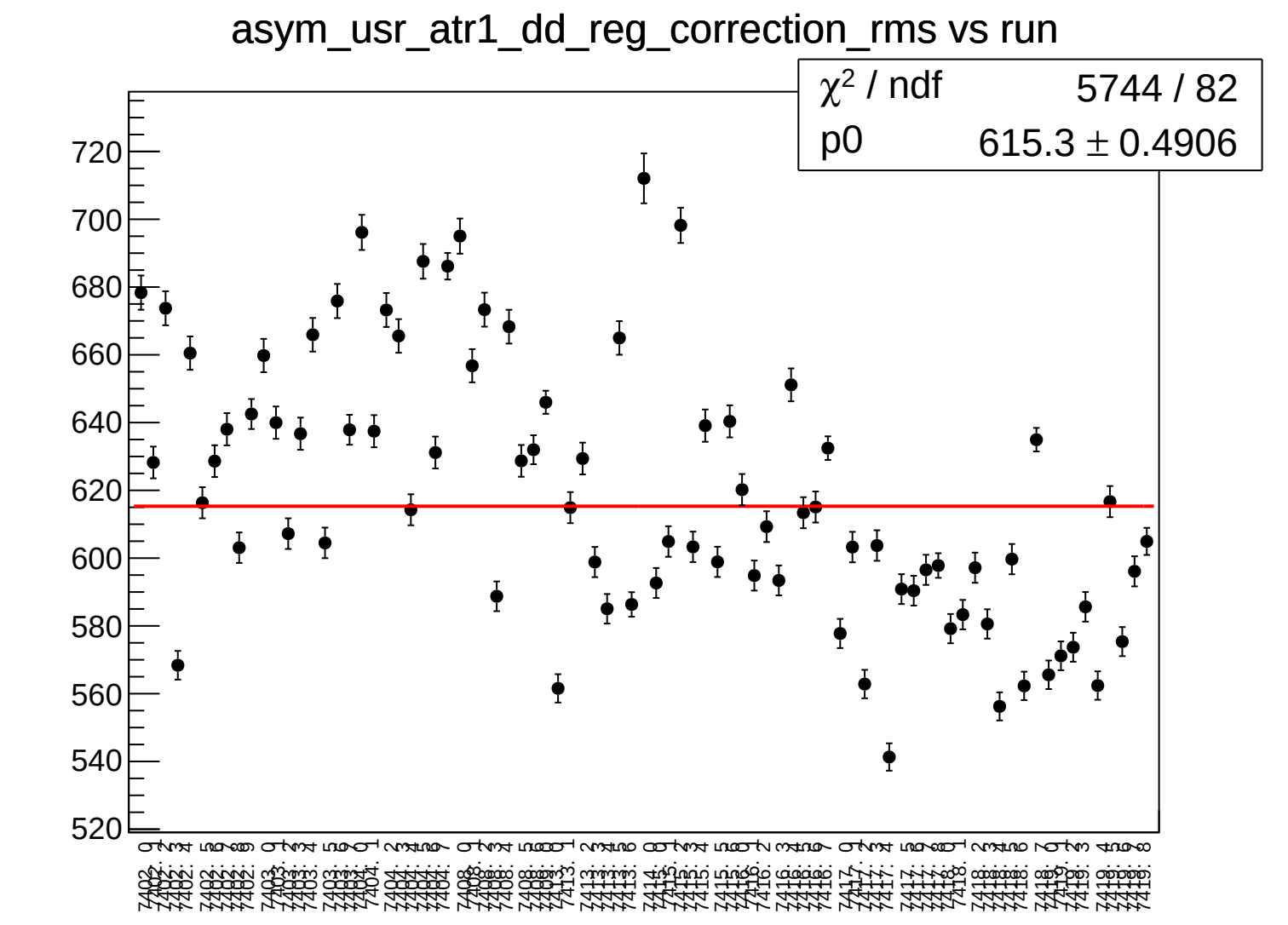

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 82.15 / 82
p0 −3437 ± 1495
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −21.1
Std Dev 25
3
2
1
0
−1
−2

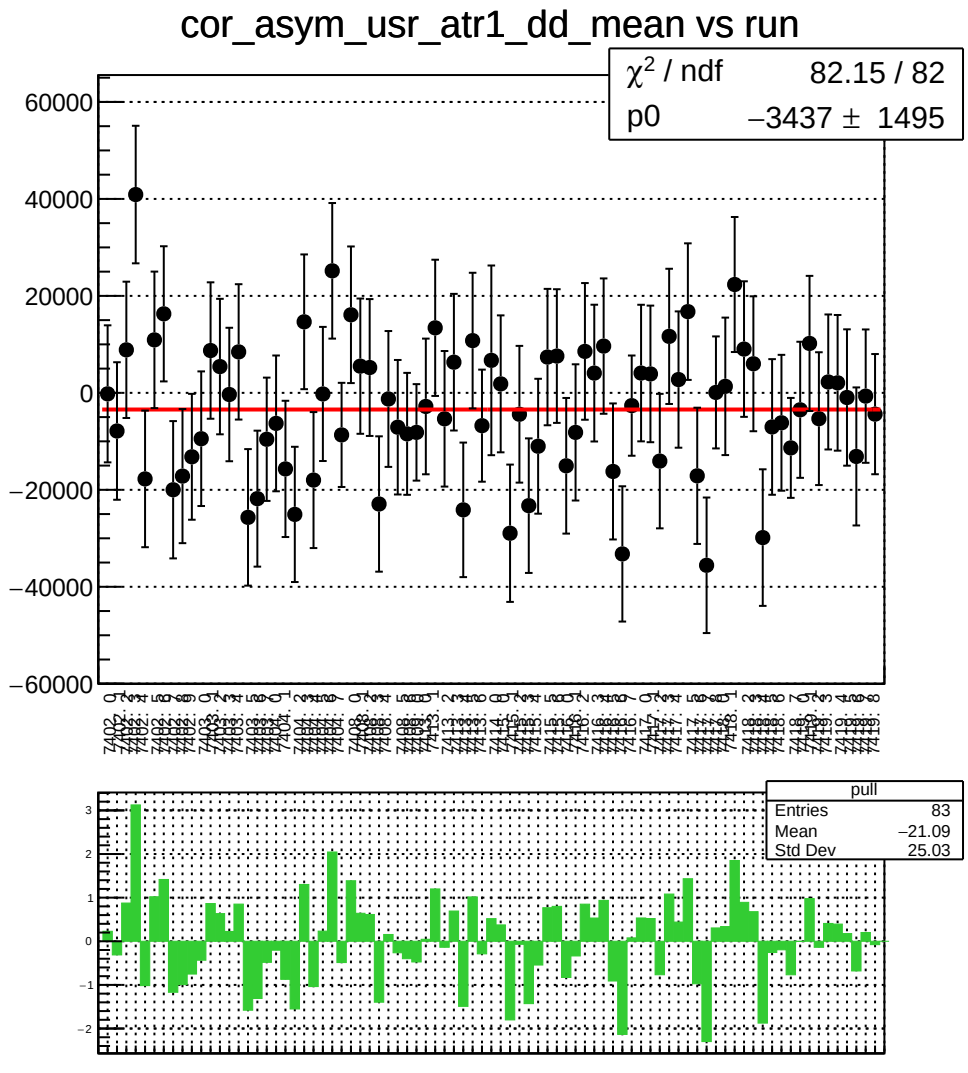

pull1D
Entries 83
Mean 0.01115
Std Dev 0.9948
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

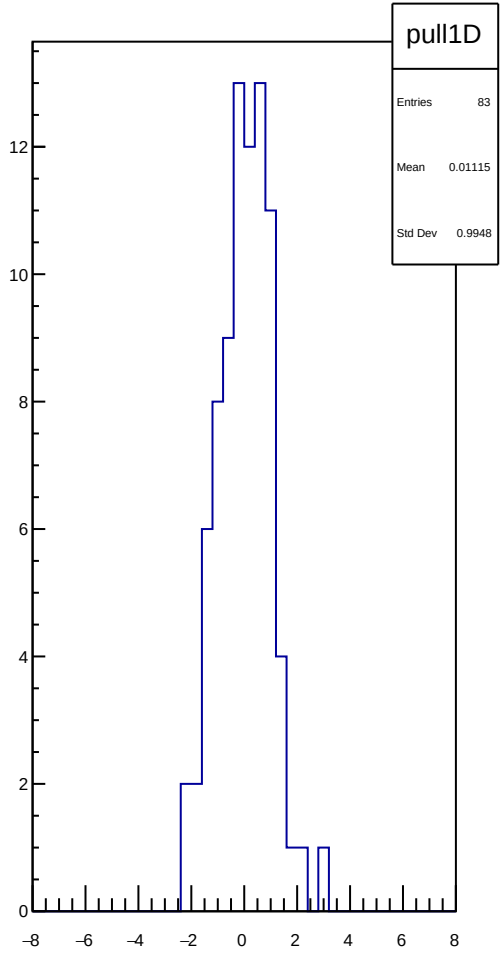

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 92.35 / 82
p0 1328 ± 1.057
1360
1350
1340
1330
1320
1310
1300
1290

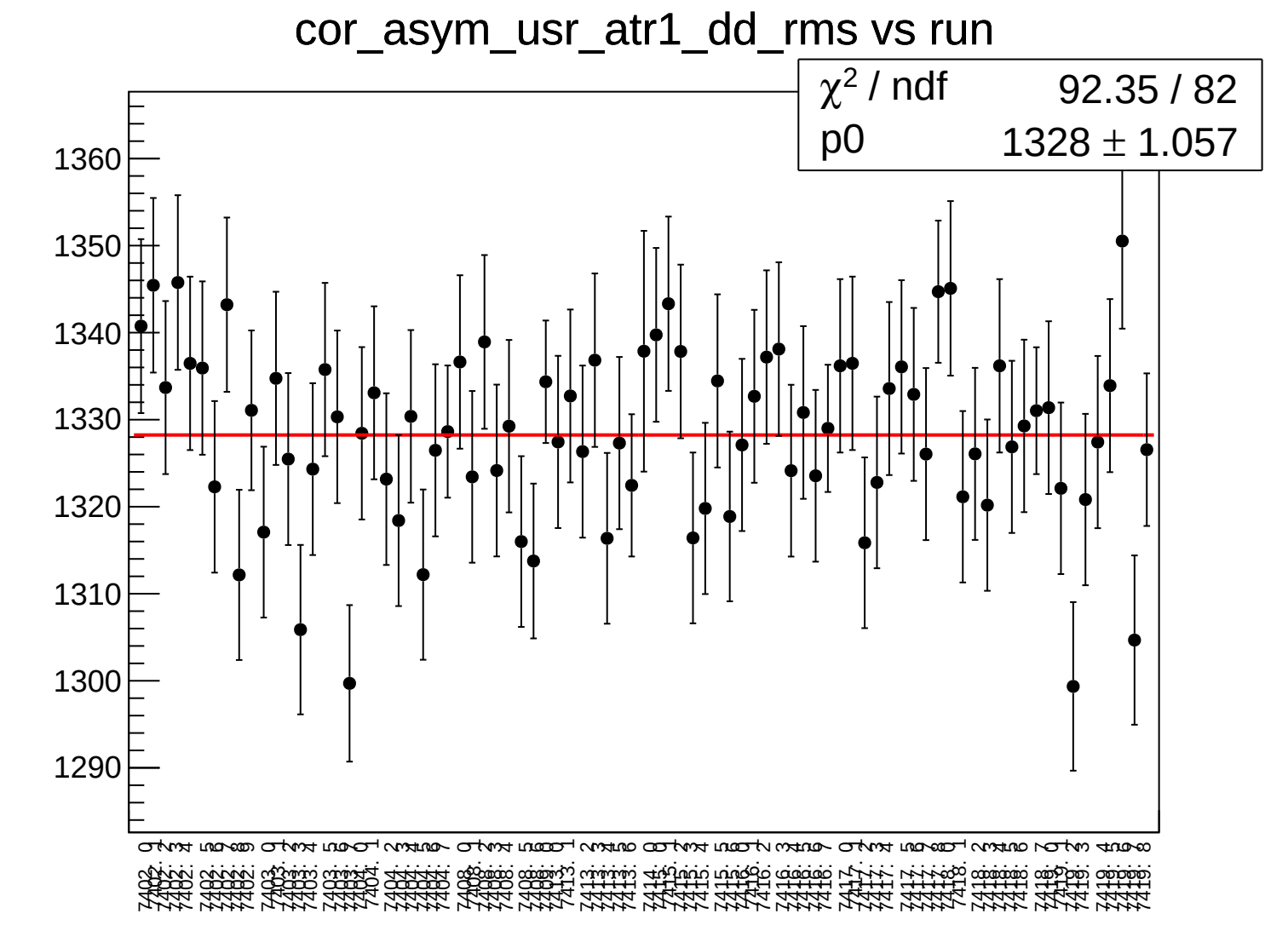

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 68.41 / 82
p0 387.3 ± 693.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −20.49
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

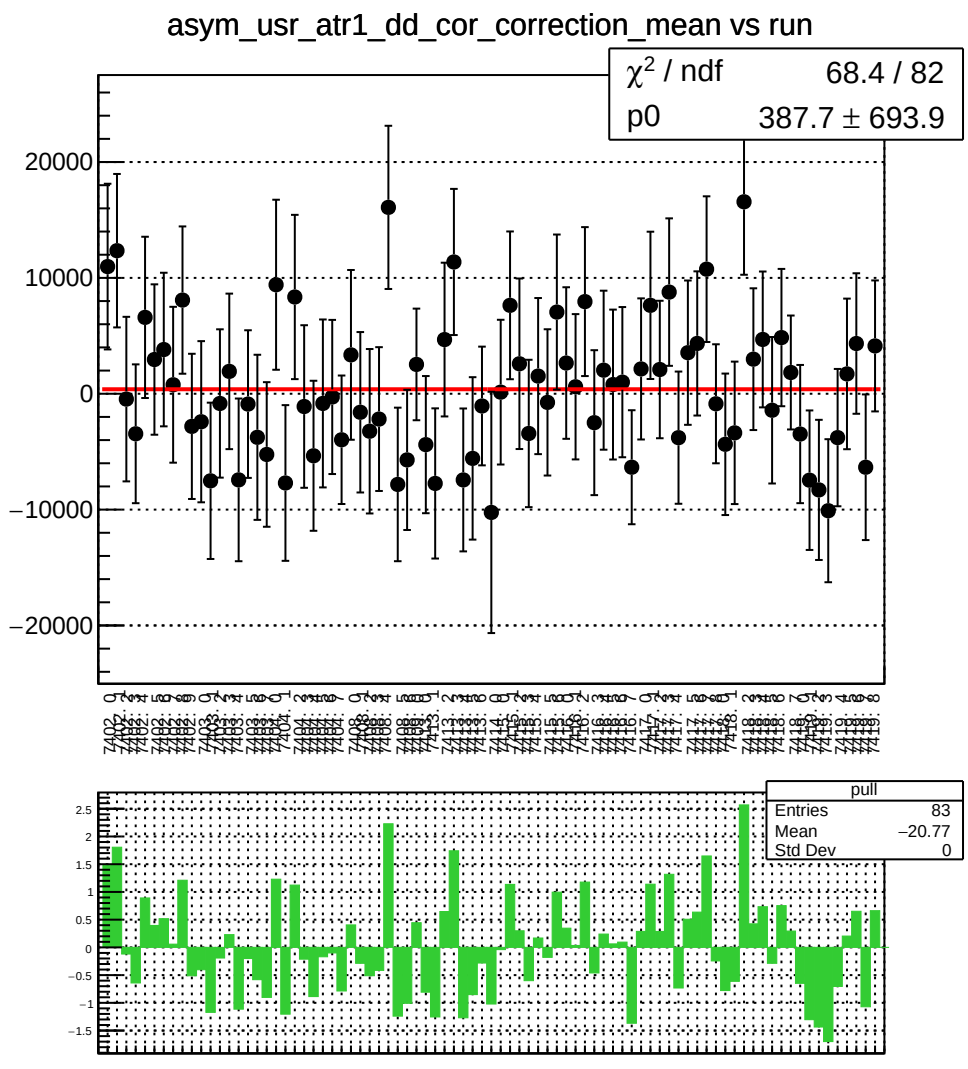

pull1D
Entries 83
Mean 0.00937
Std Dev 0.9078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

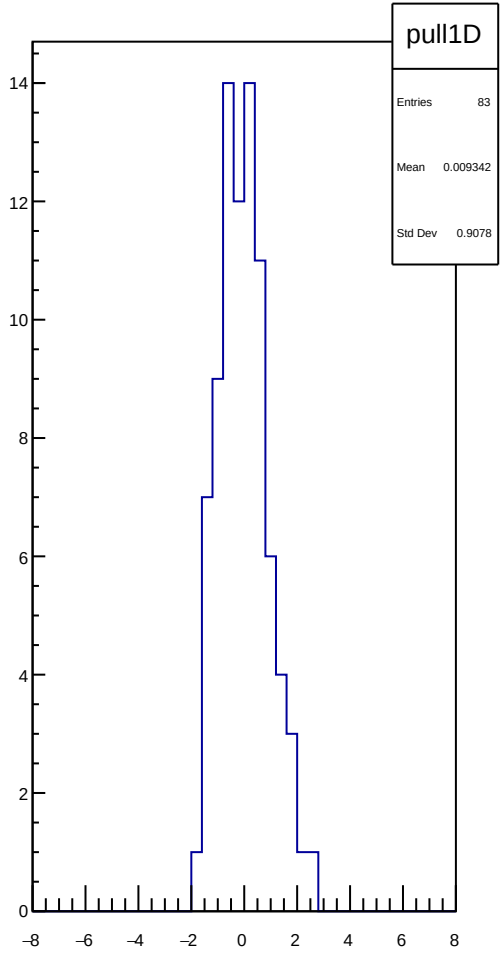

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 5744 / 82
p0 615.3 ± 0.4906
720
700
680
660
640
620
600
580
560
540
520

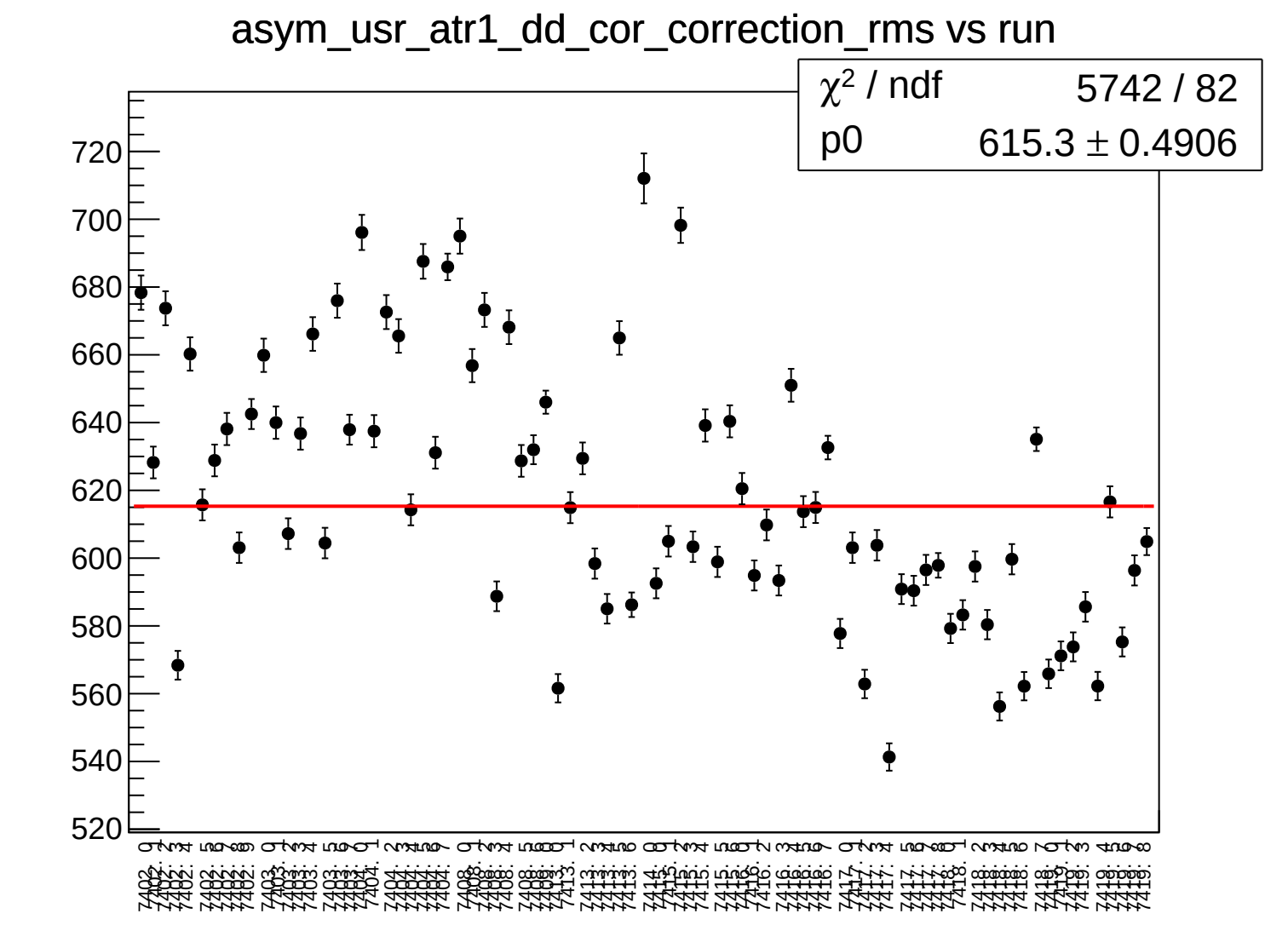

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 82.15 / 82
p0 −3437 ± 1495
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −21.09
Std Dev 25.03
3
2
1
0
−1
−2

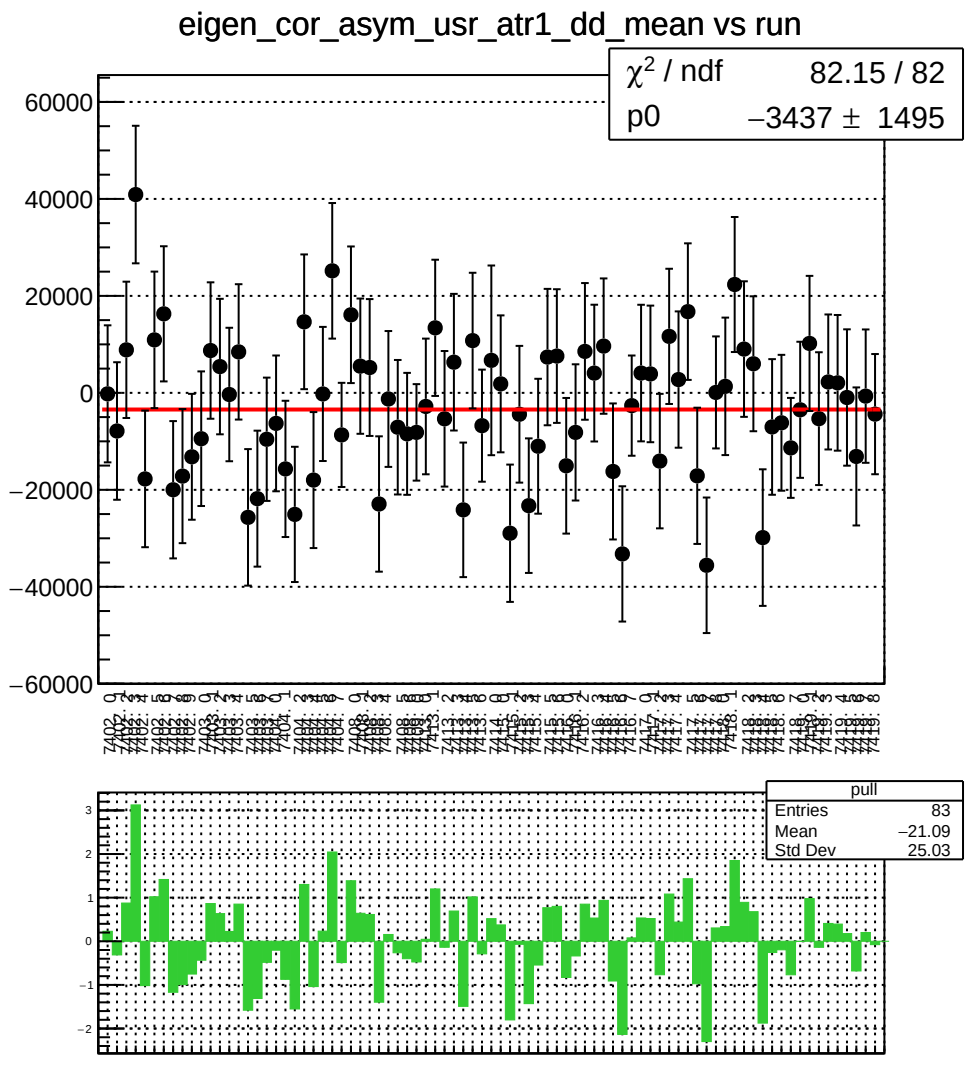

pull1D
Entries 83
Mean 0.01115
Std Dev 0.9948
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

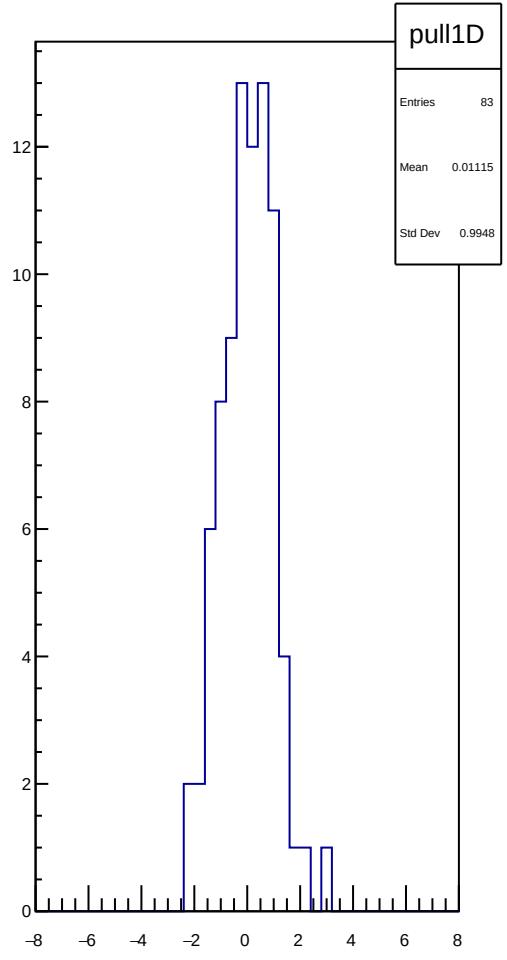

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 92.35 / 82
p0 1328 ± 1.057
1360
1350
1340
1330
1320
1310
1300
1290

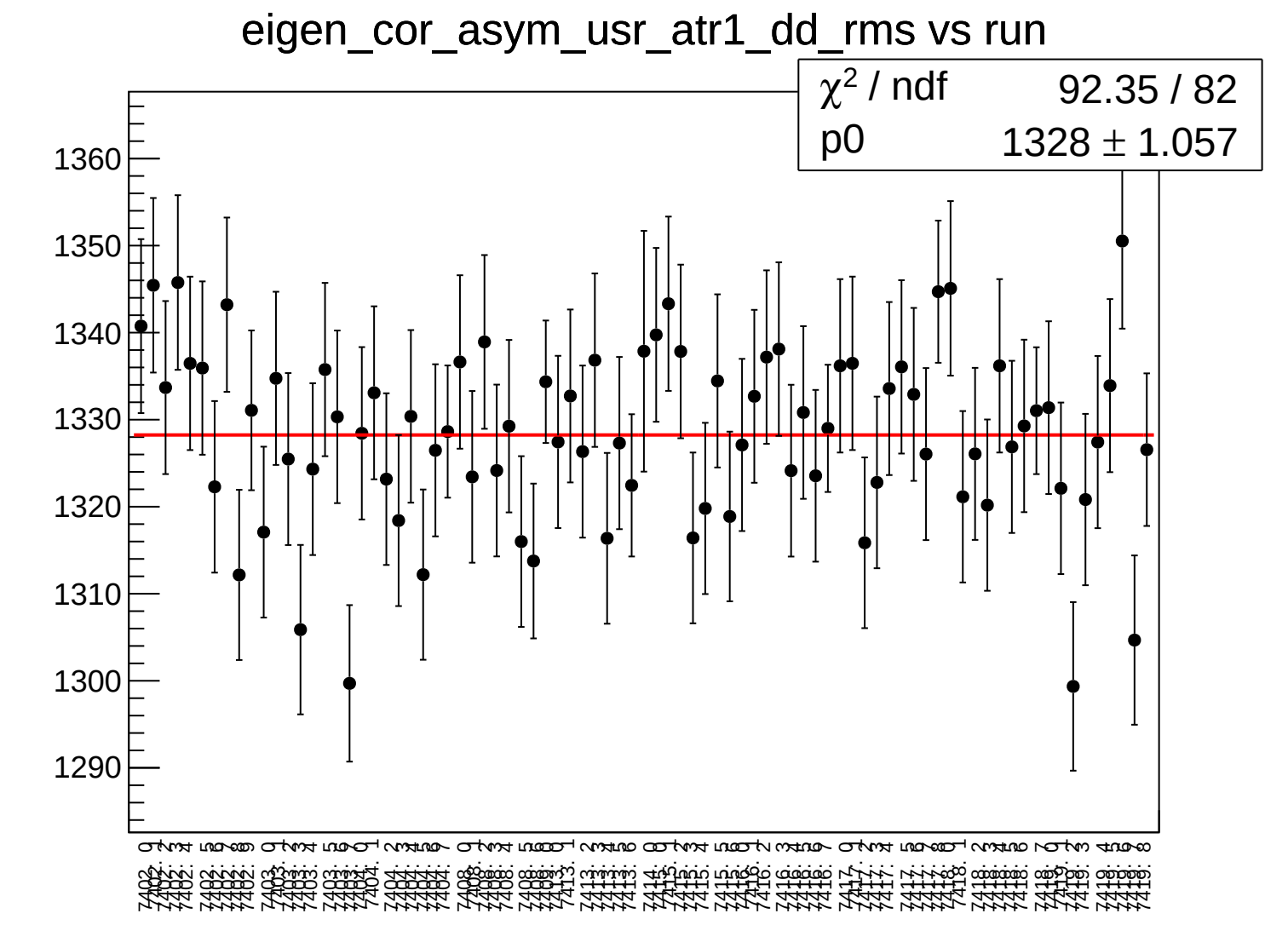

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 68.4 / 82
p0 387.7 ± 693.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −20.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

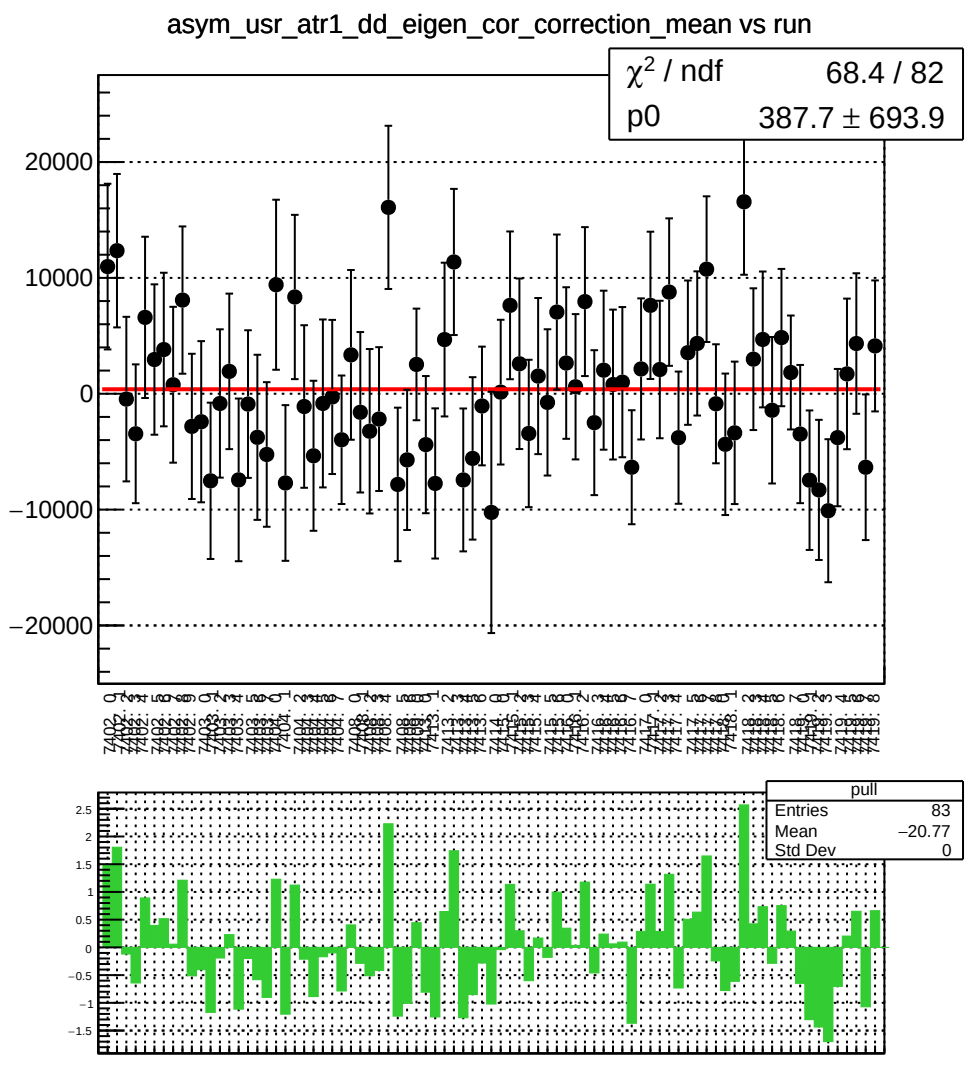

pull1D
Entries 83
Mean 0.009342
Std Dev 0.9078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

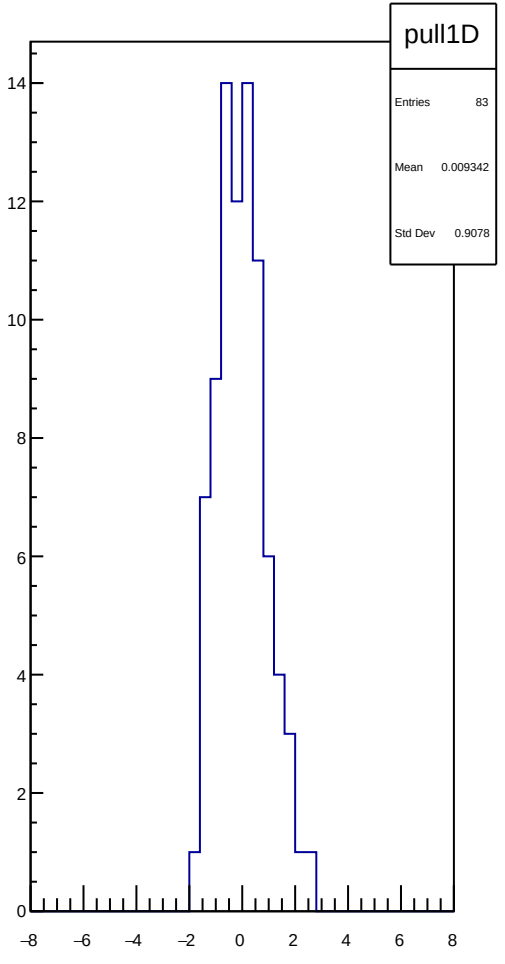

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 5742 / 82
p0 615.3 ± 0.4906
720
700
680
660
640
620
600
580
560
540
520

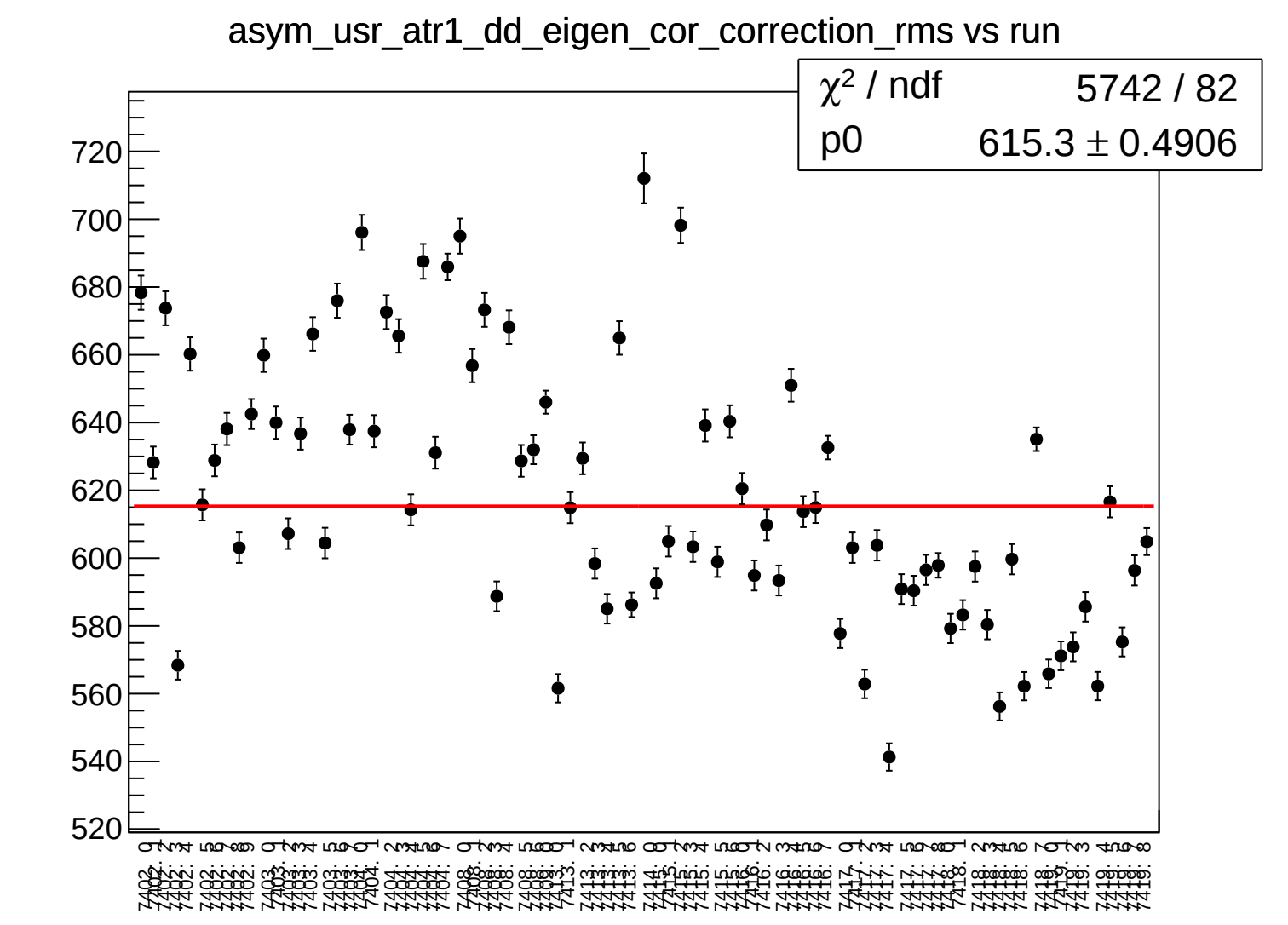

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 82.15 / 82
p0 −3437 ± 1495
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −21.09
Std Dev 25.03
3
2
1
0
−1
−2

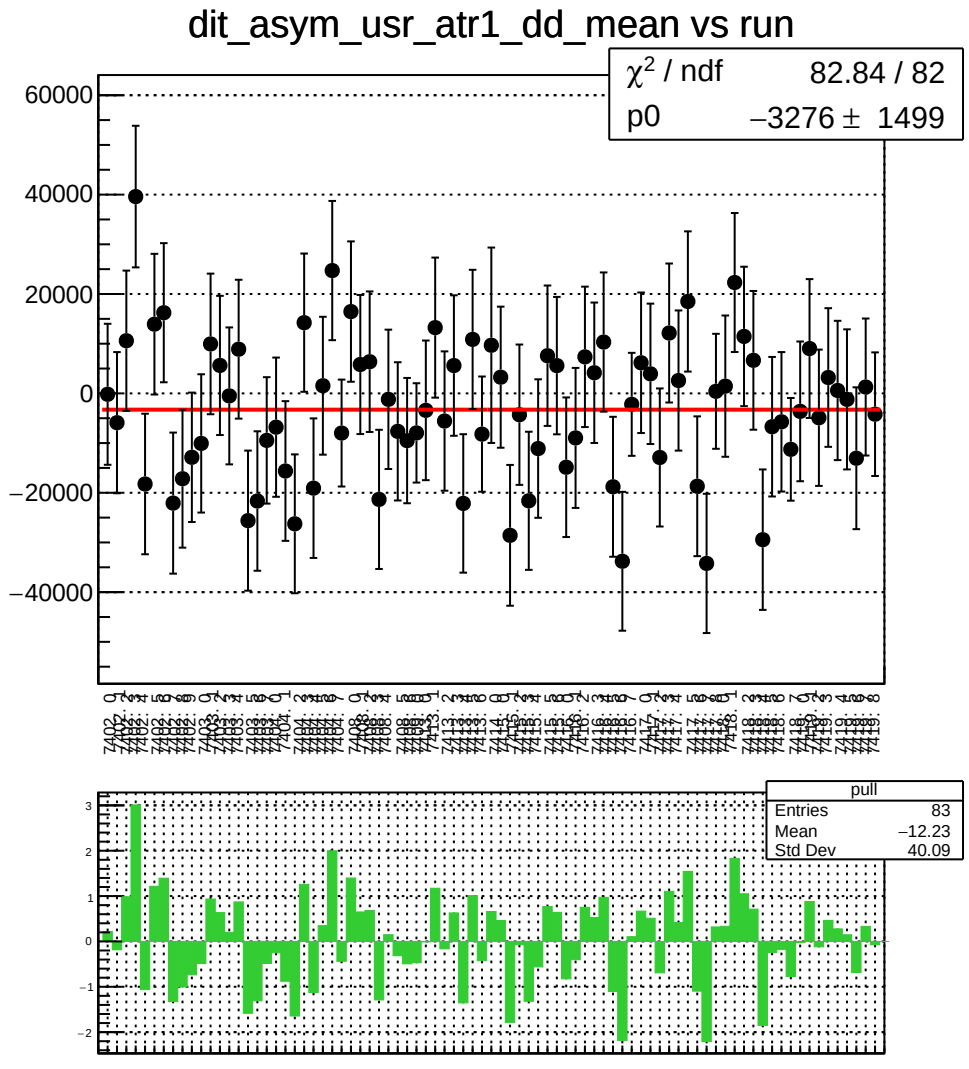

pull1D
Entries 83
Mean 0.01115
Std Dev 0.9948
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

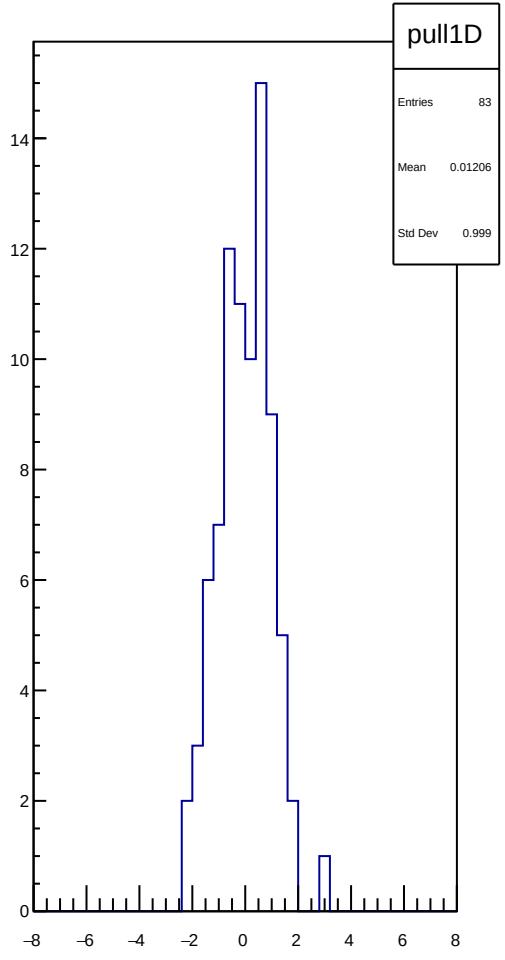

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 92.35 / 82
p0 1328 ± 1.057
1360
1350
1340
1330
1320
1310
1300
1290

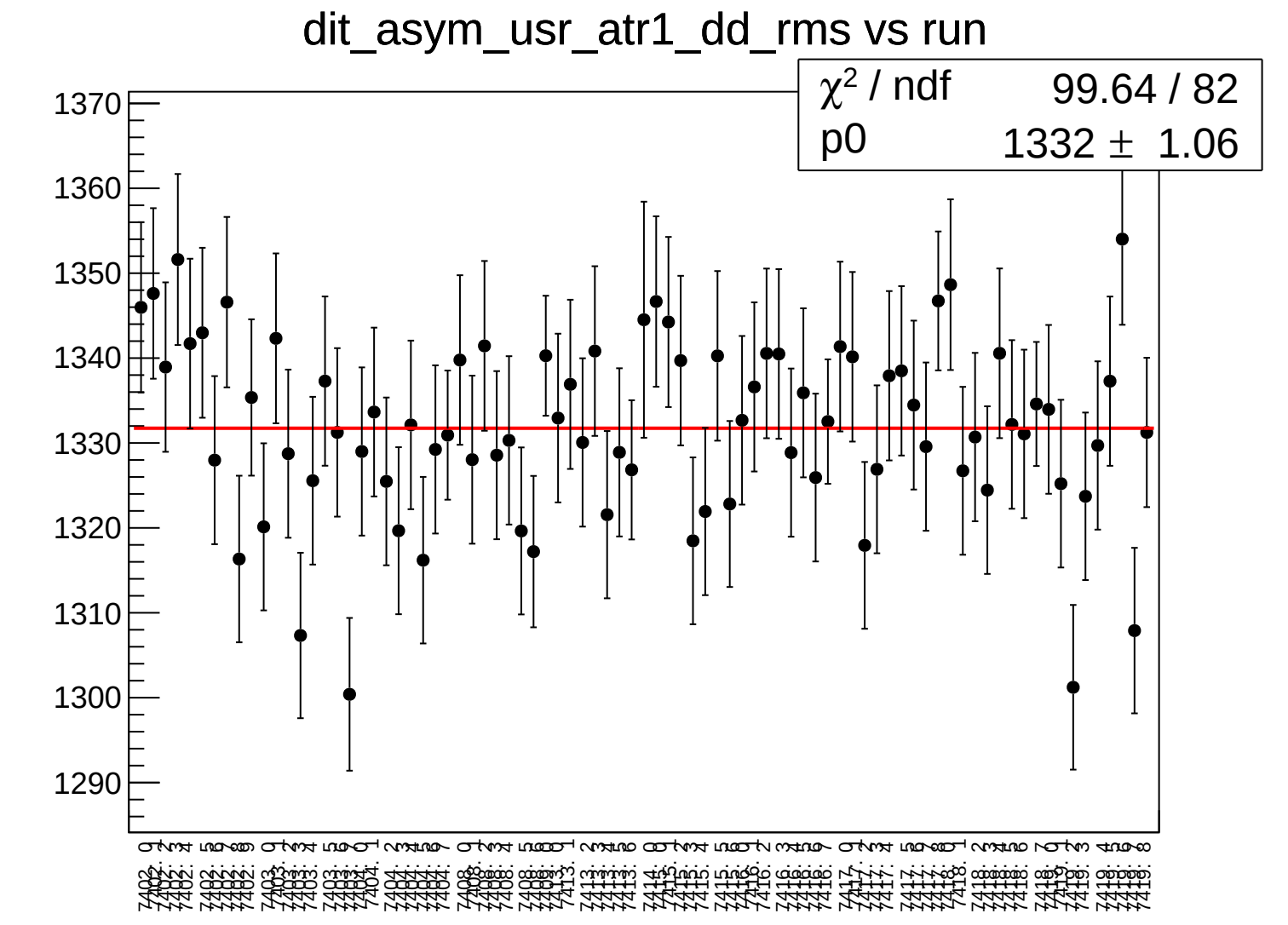

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 68.4 / 82
p0 387.7 ± 693.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −20.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

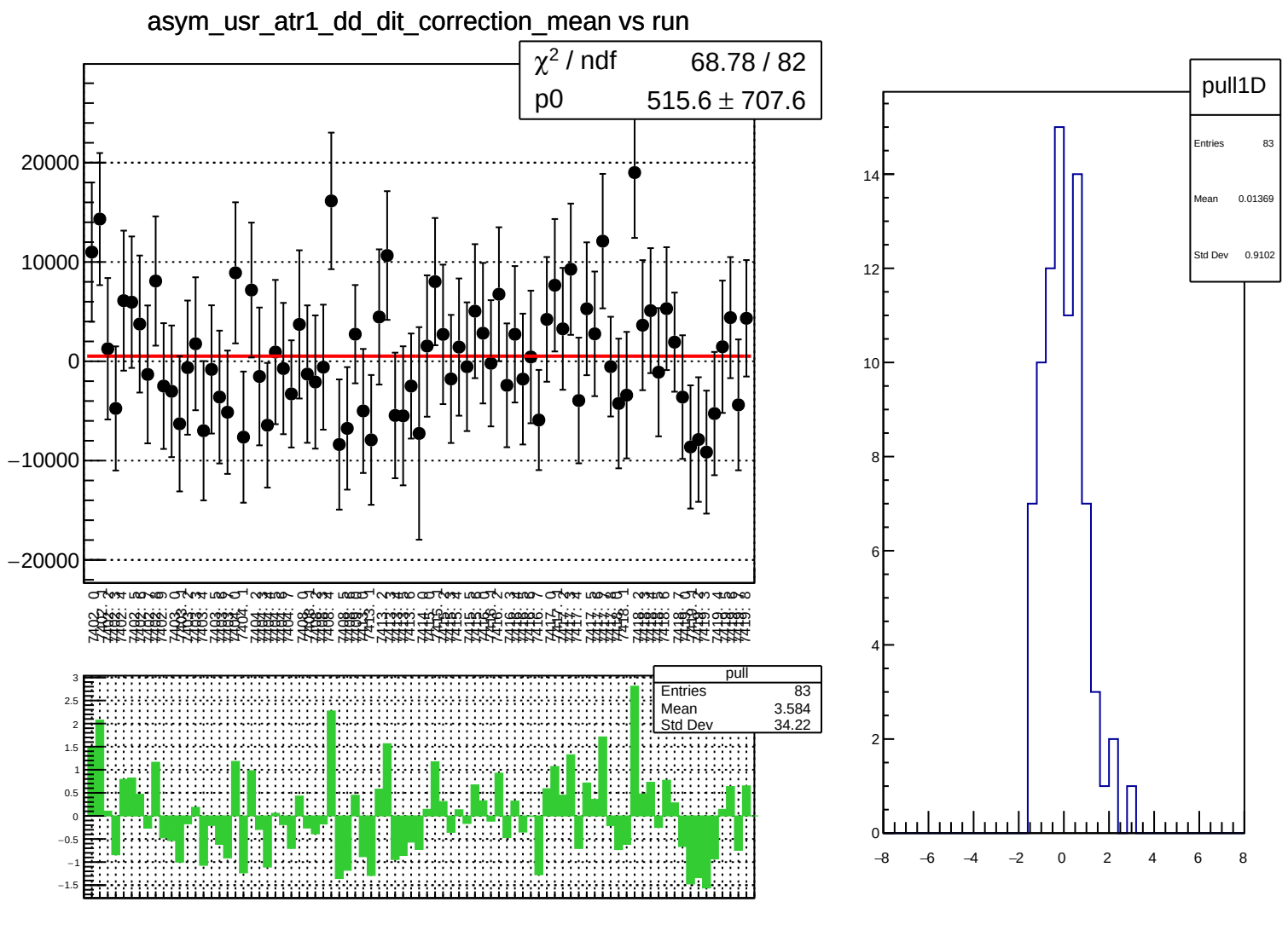

pull1D
Entries 83
Mean 0.009342
Std Dev 0.9078
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

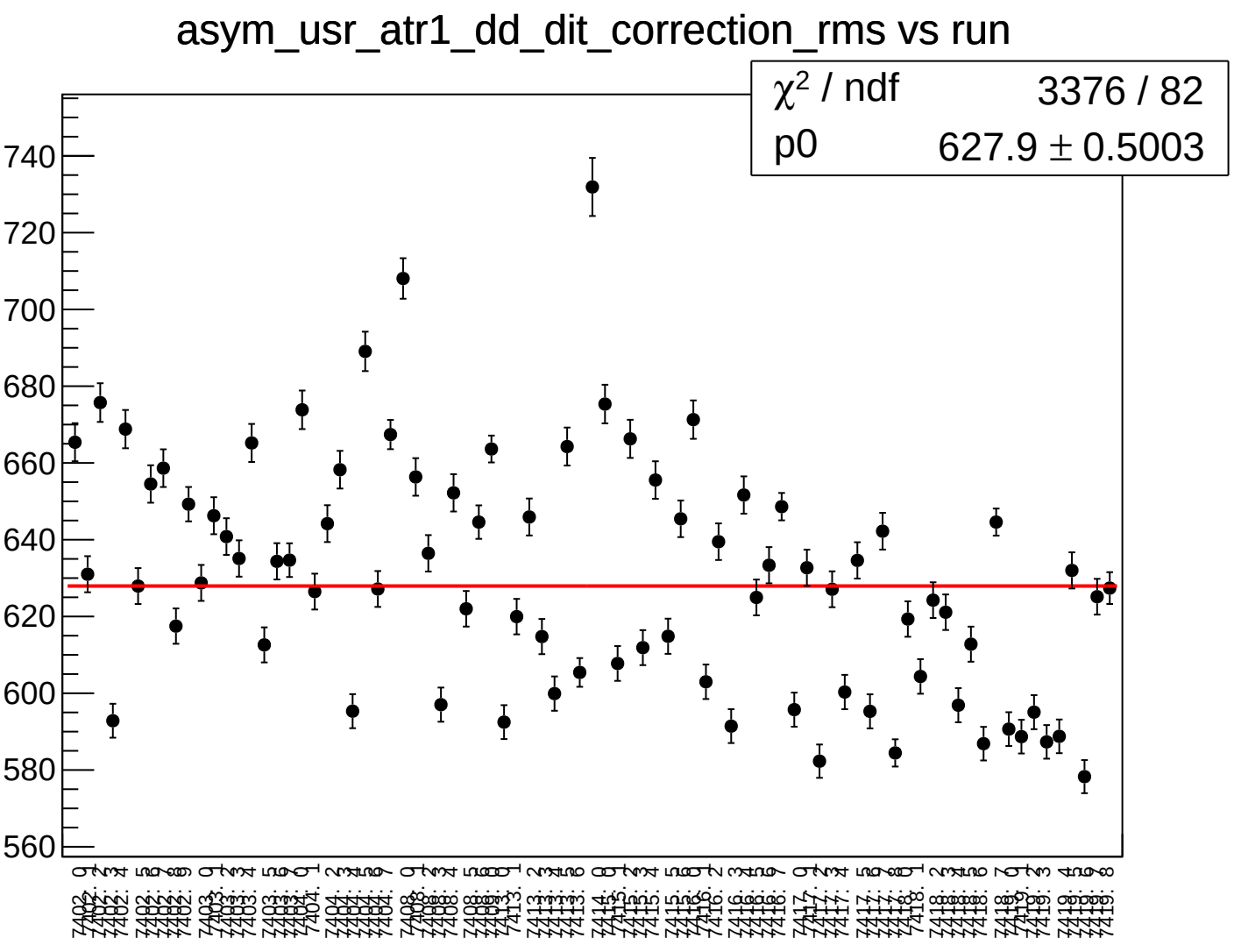

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5742 / 82
p0 615.3 ± 0.4906
720
700
680
660
640
620
600
580
560
540
520

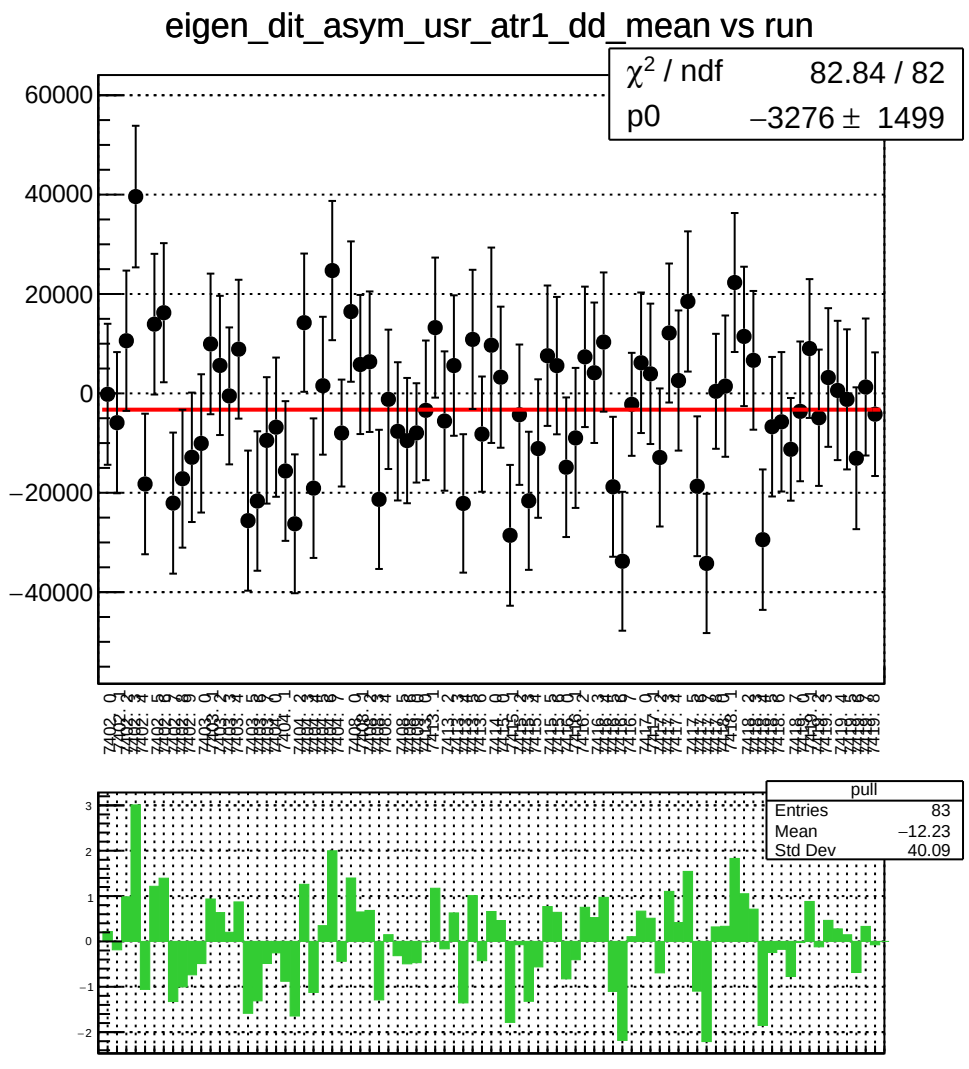

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 82.84 / 82
p0 −3276 ± 1499
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −12.23
Std Dev 40.09
3
2
1
0
−1
−2

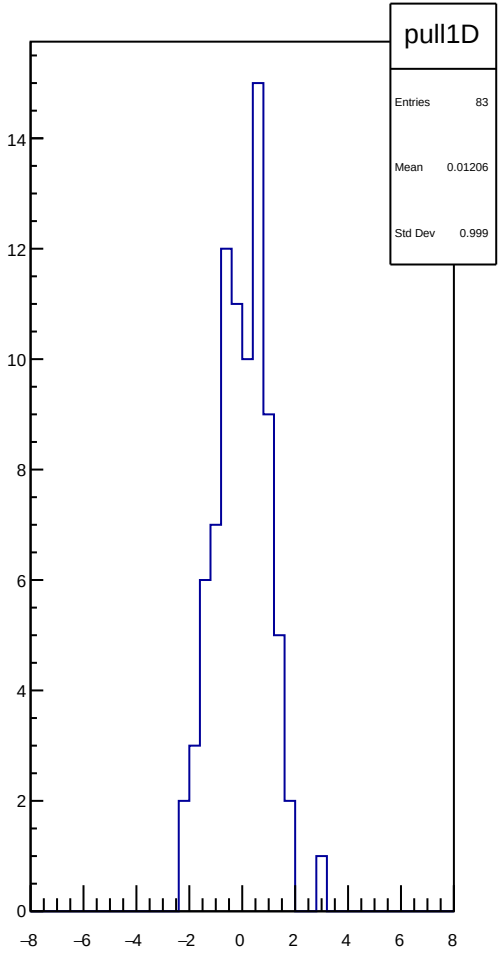

pull1D
Entries 83
Mean 0.01206
Std Dev 0.999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 99.64 / 82
p0 1332 ± 1.06
1370
1360
1350
1340
1330
1320
1310
1300
1290

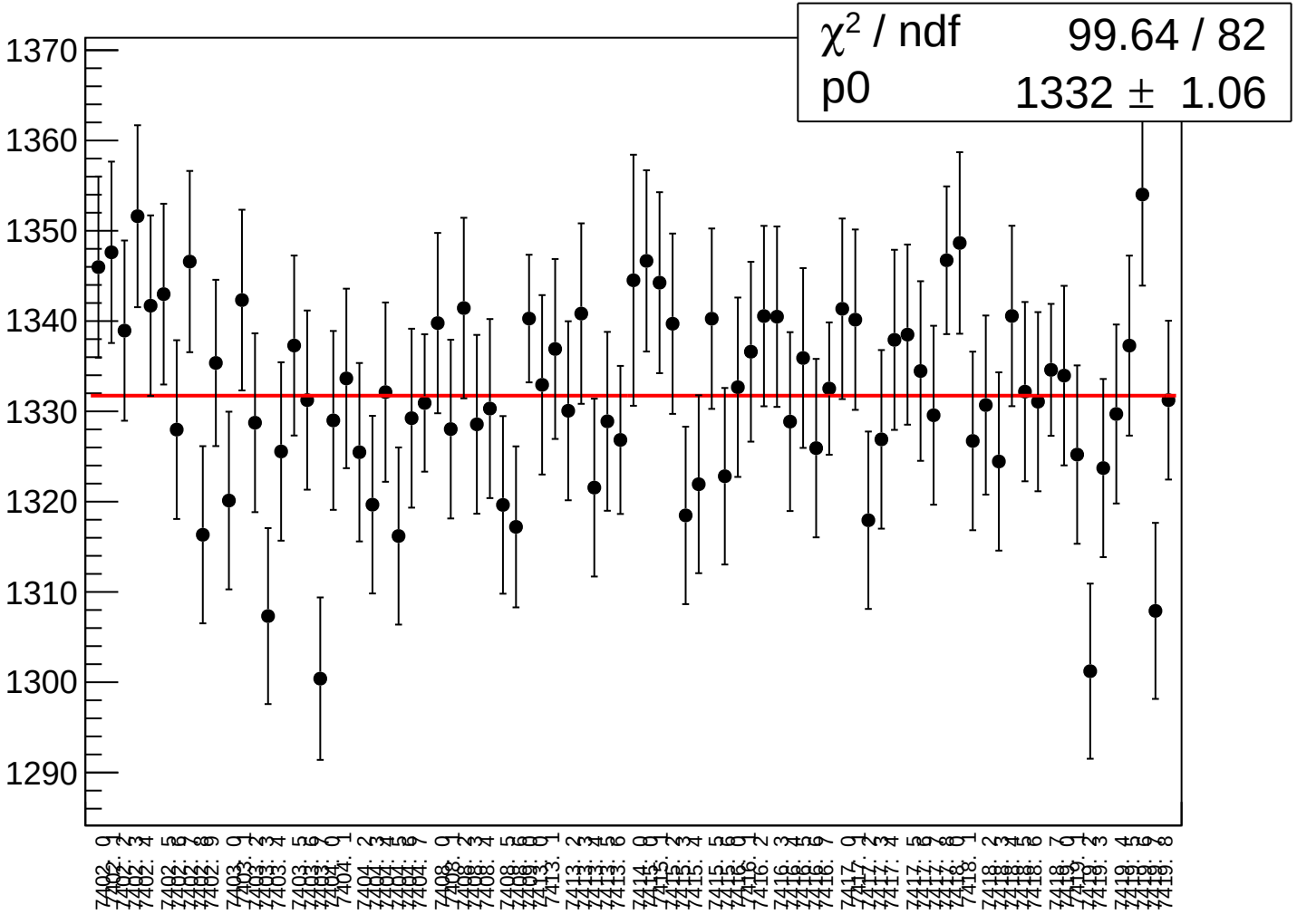

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 68.78 / 82
p0 515.6 ± 707.6
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 3.584
Std Dev 34.22
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.01369
Std Dev 0.9102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

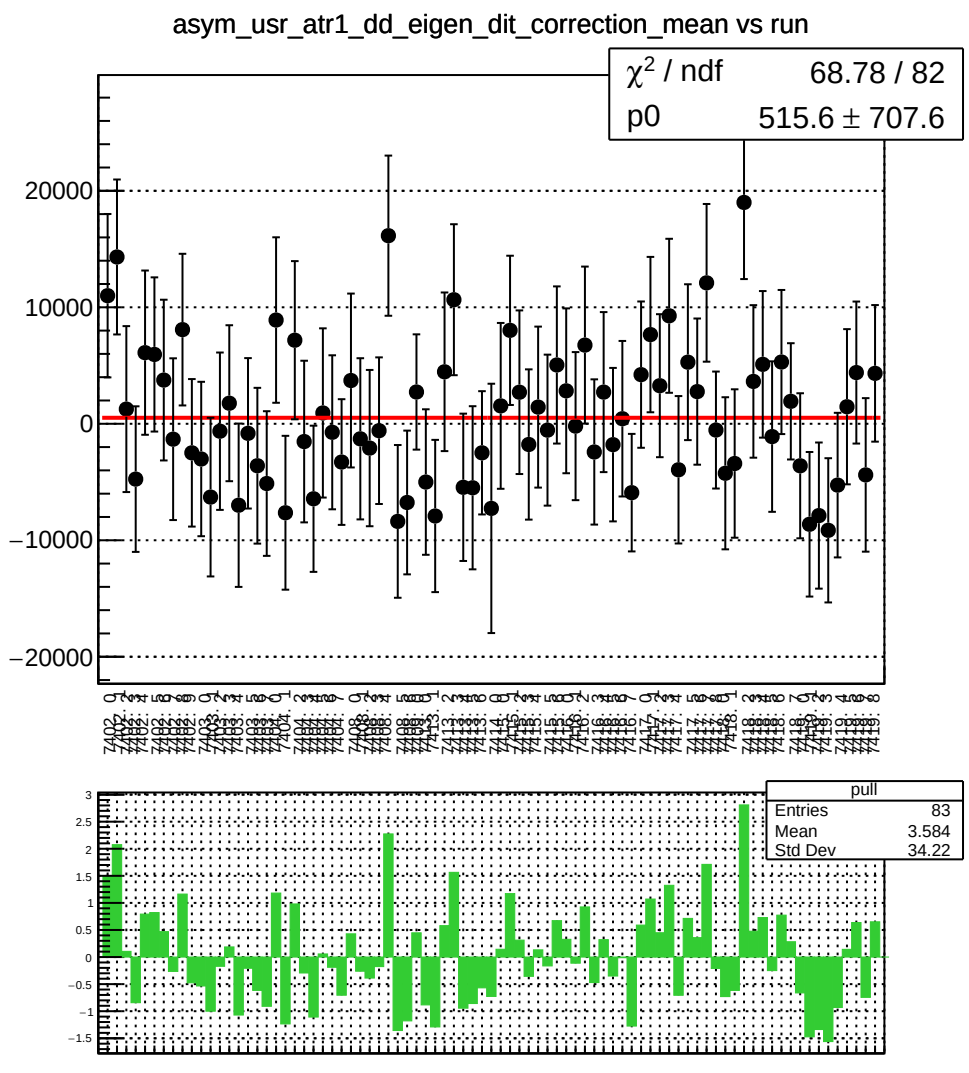

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 3376 / 82
p0 627.9 ± 0.5003
740
720
700
680
660
640
620
600
580
560

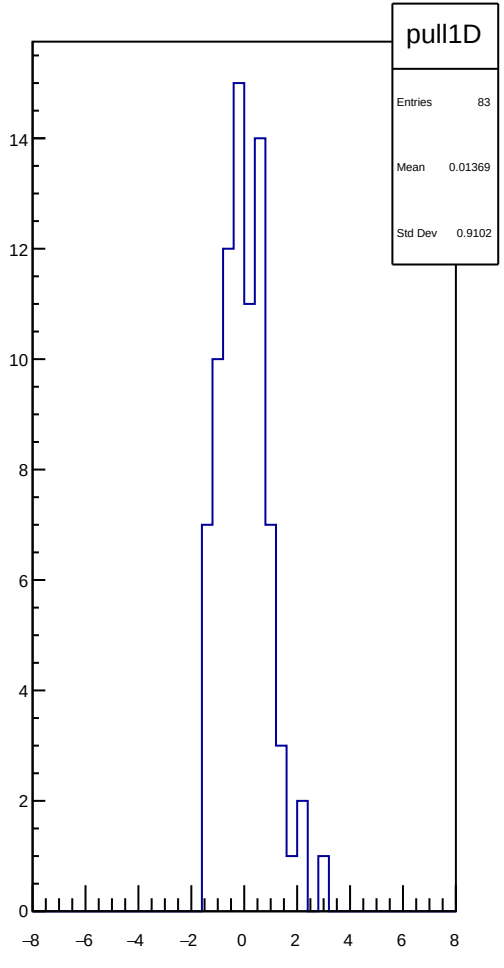

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 82.84 / 82
p0 −3276 ± 1499
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −12.23
Std Dev 40.09
3
2
1
0
−1
−2

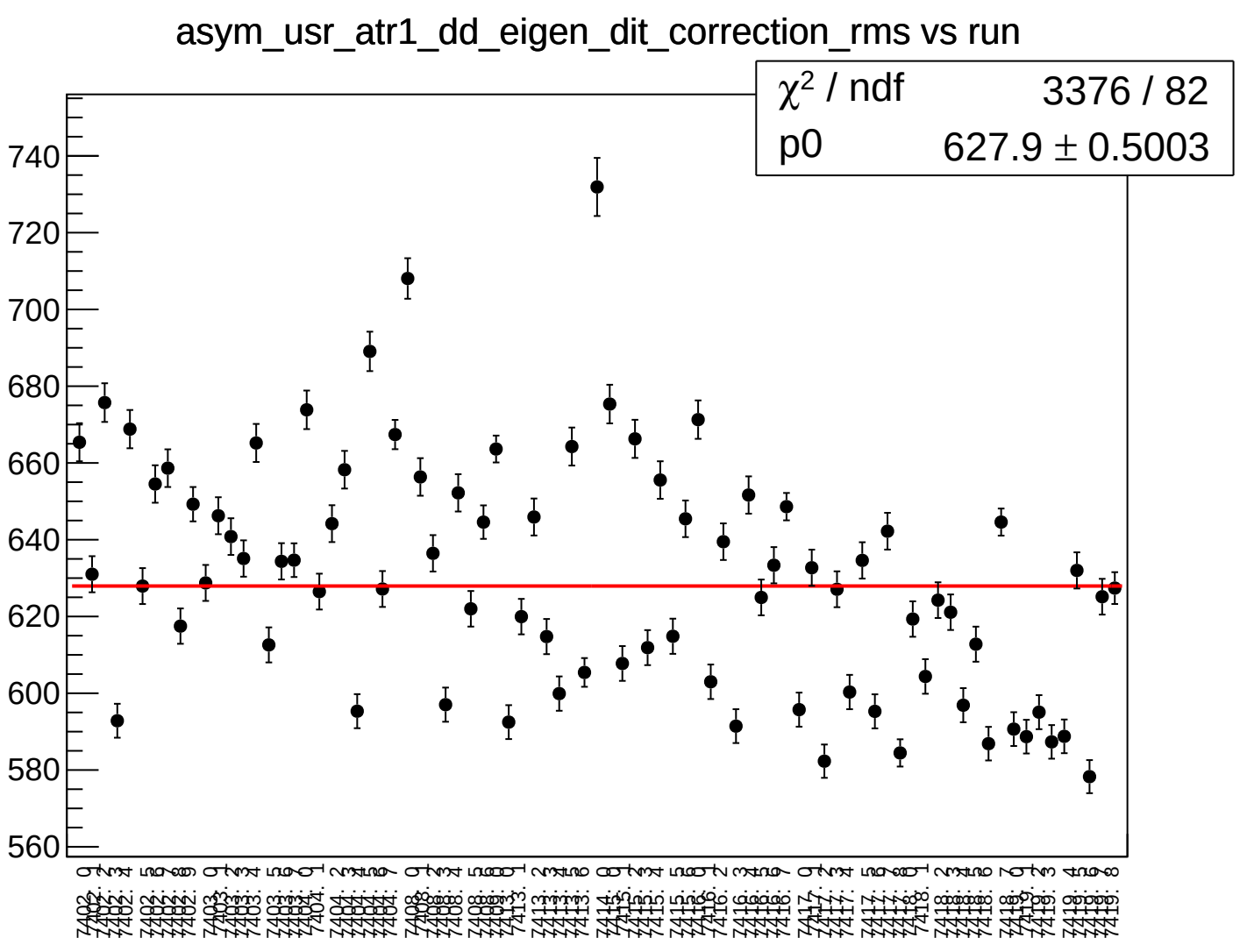

pull1D
Entries 83
Mean 0.01206
Std Dev 0.999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

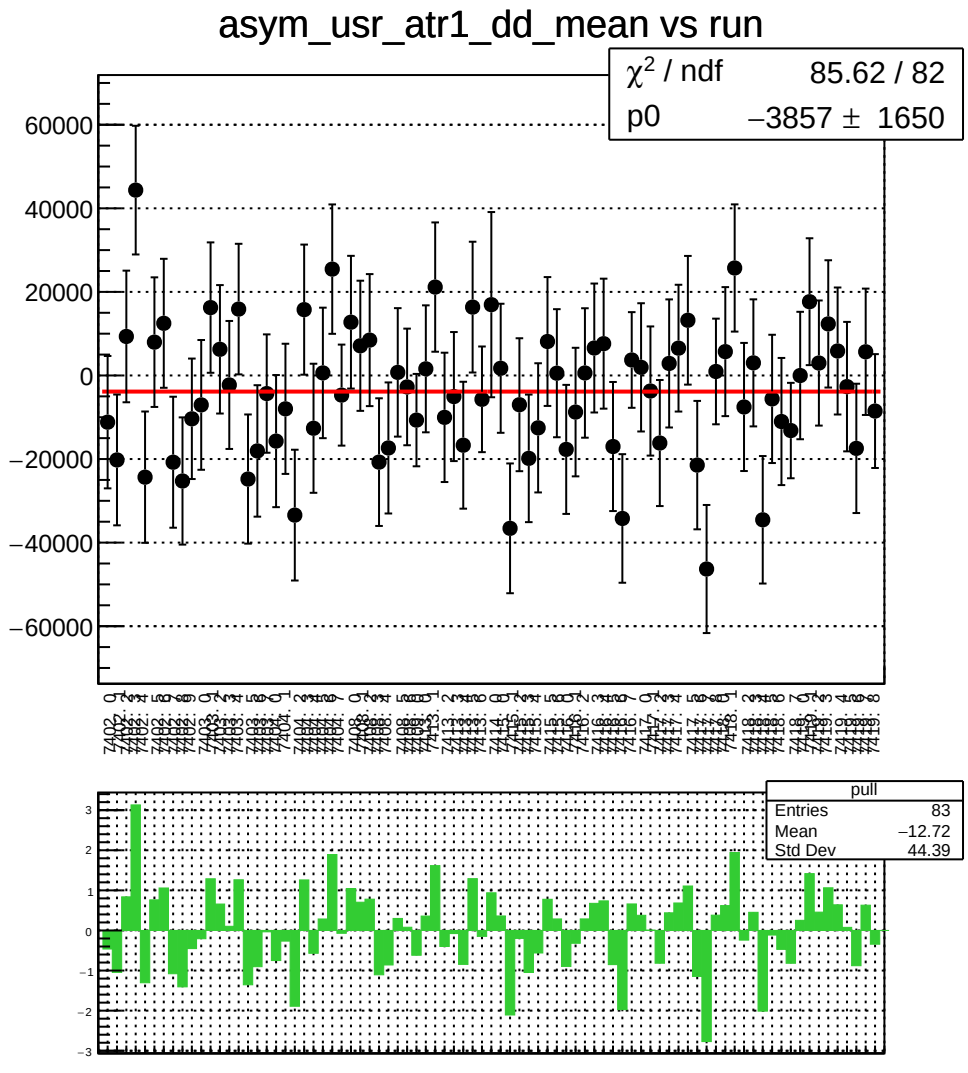
eigen_dit_asym_usr_atr1_dd_rms vs run

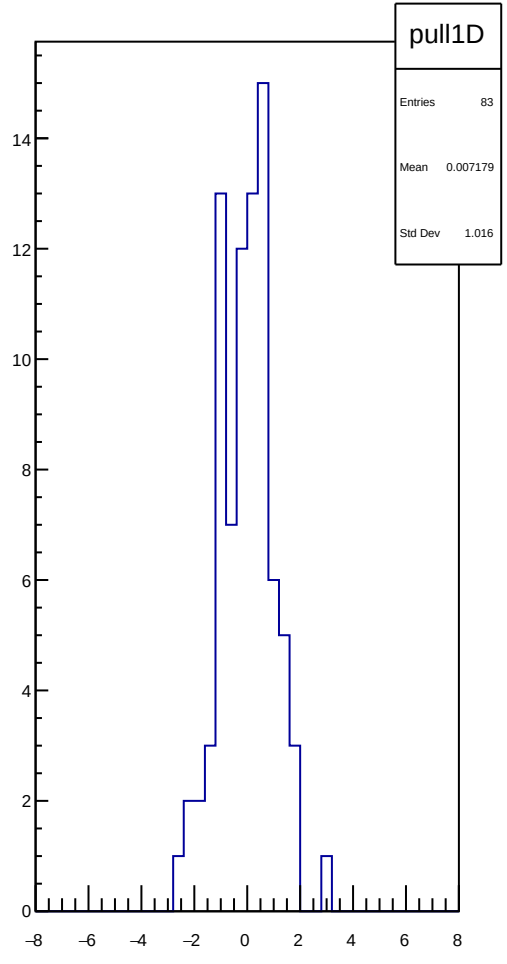


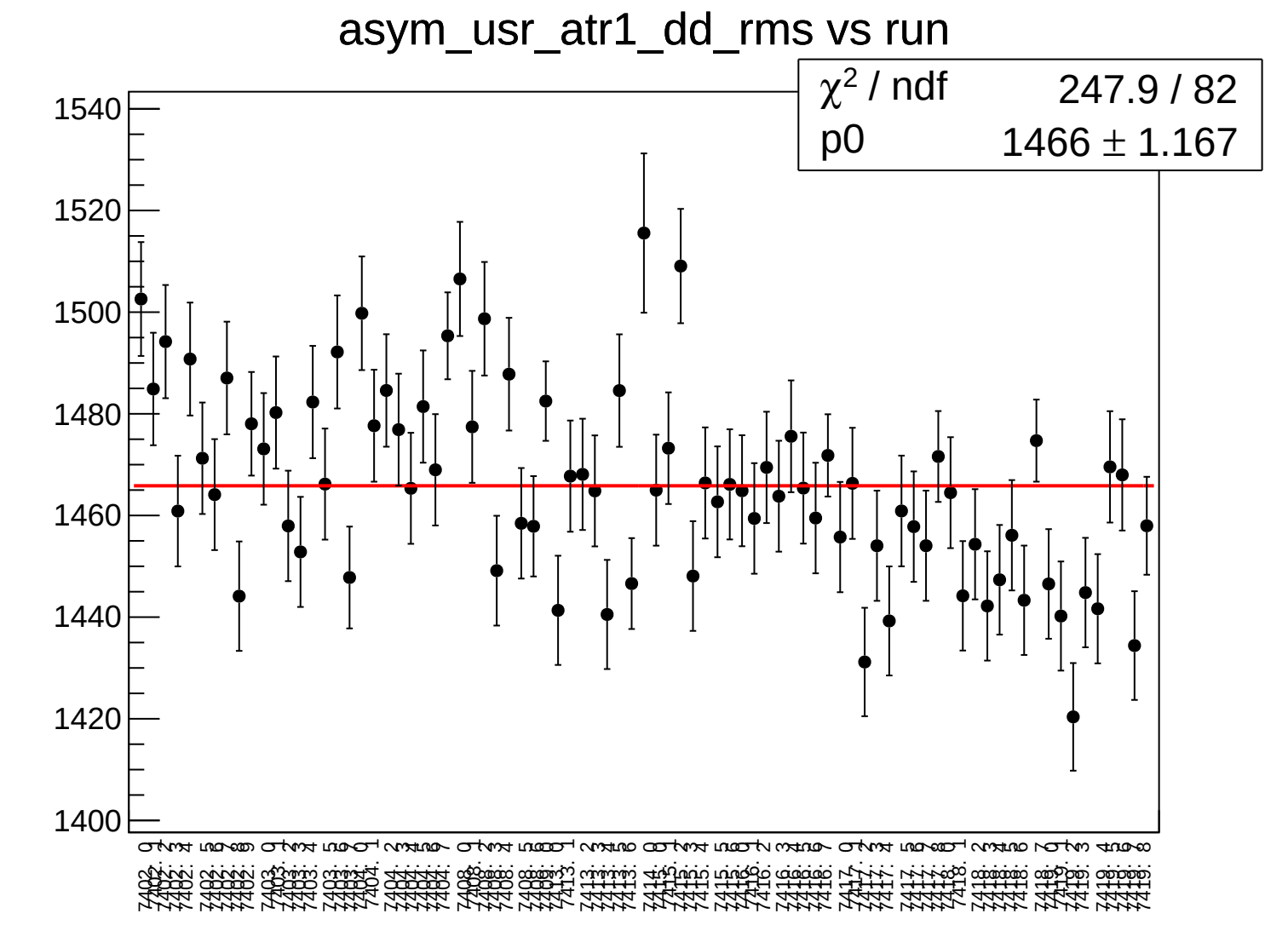

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.78 / 82
p0 515.6 ± 707.6
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 3.584
Std Dev 34.22
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

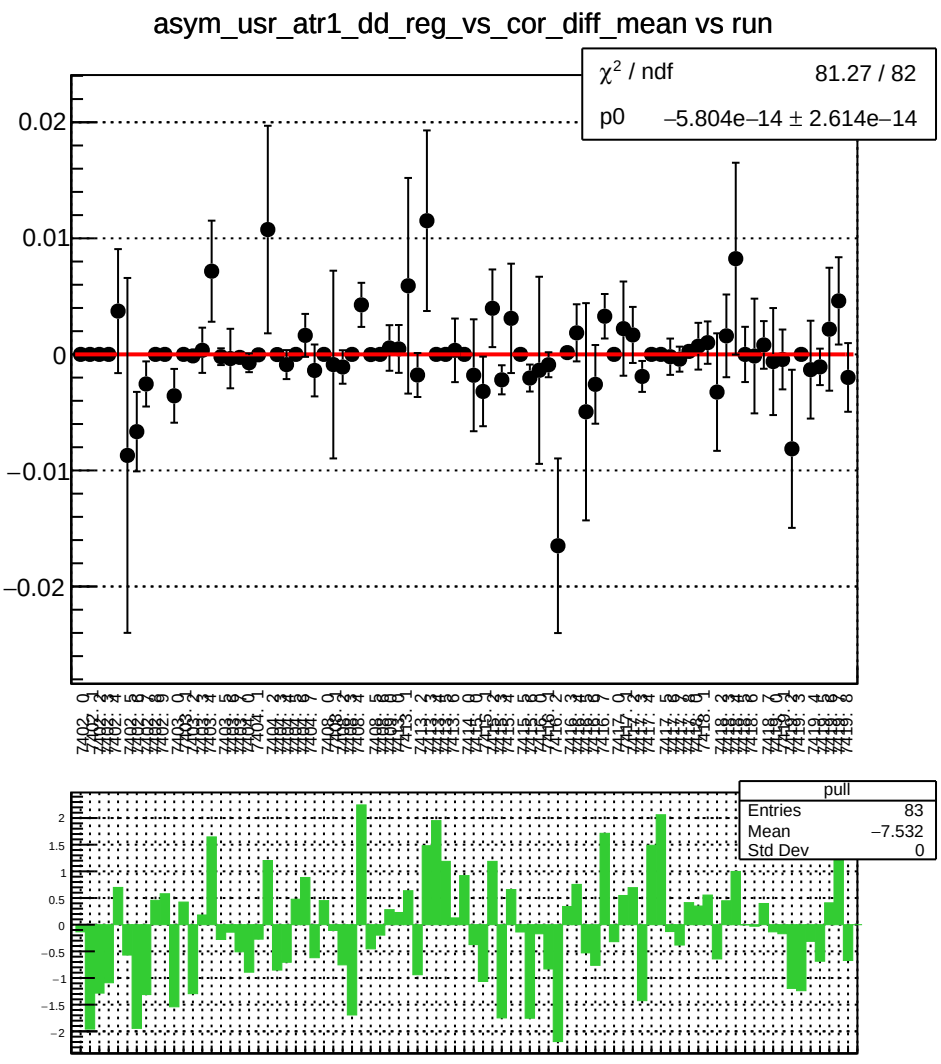

pull1D
Entries 83
Mean 0.01369
Std Dev 0.9102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

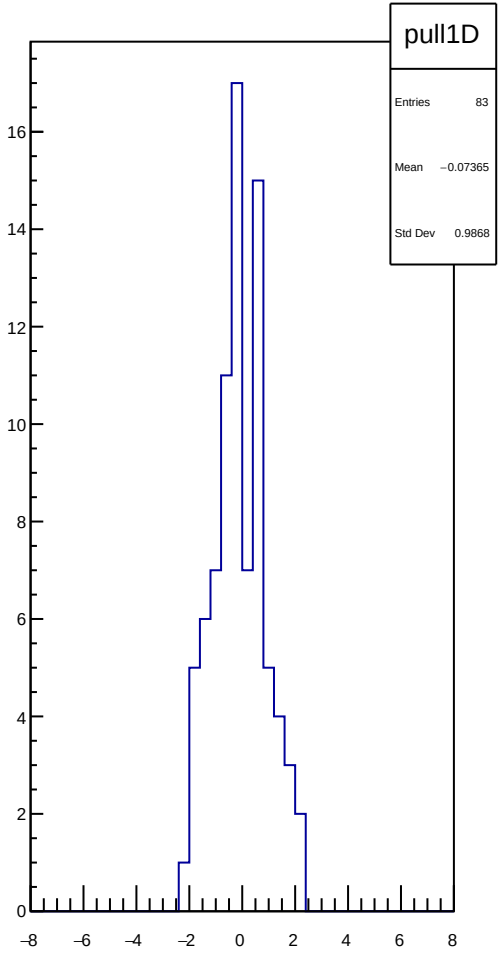

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3376 / 82
p0 627.9 ± 0.5003
740
720
700
680
660
640
620
600
580
560

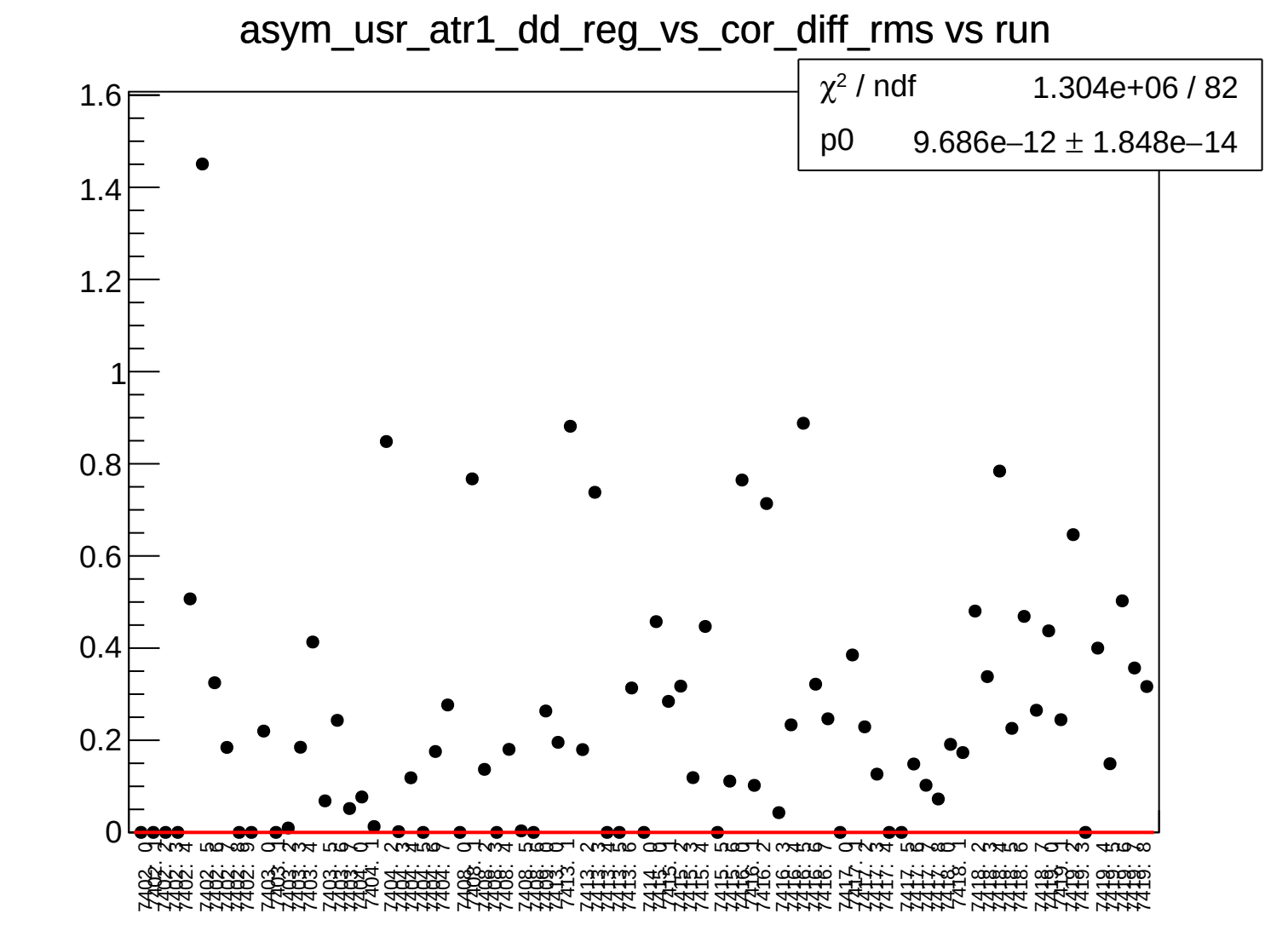

asym_usr_atr1_dd_mean vs run
χ² / ndf 85.62 / 82
p0 −3857 ± 1650
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −12.72
Std Dev 44.39
3
2
1
0
−1
−2
−3

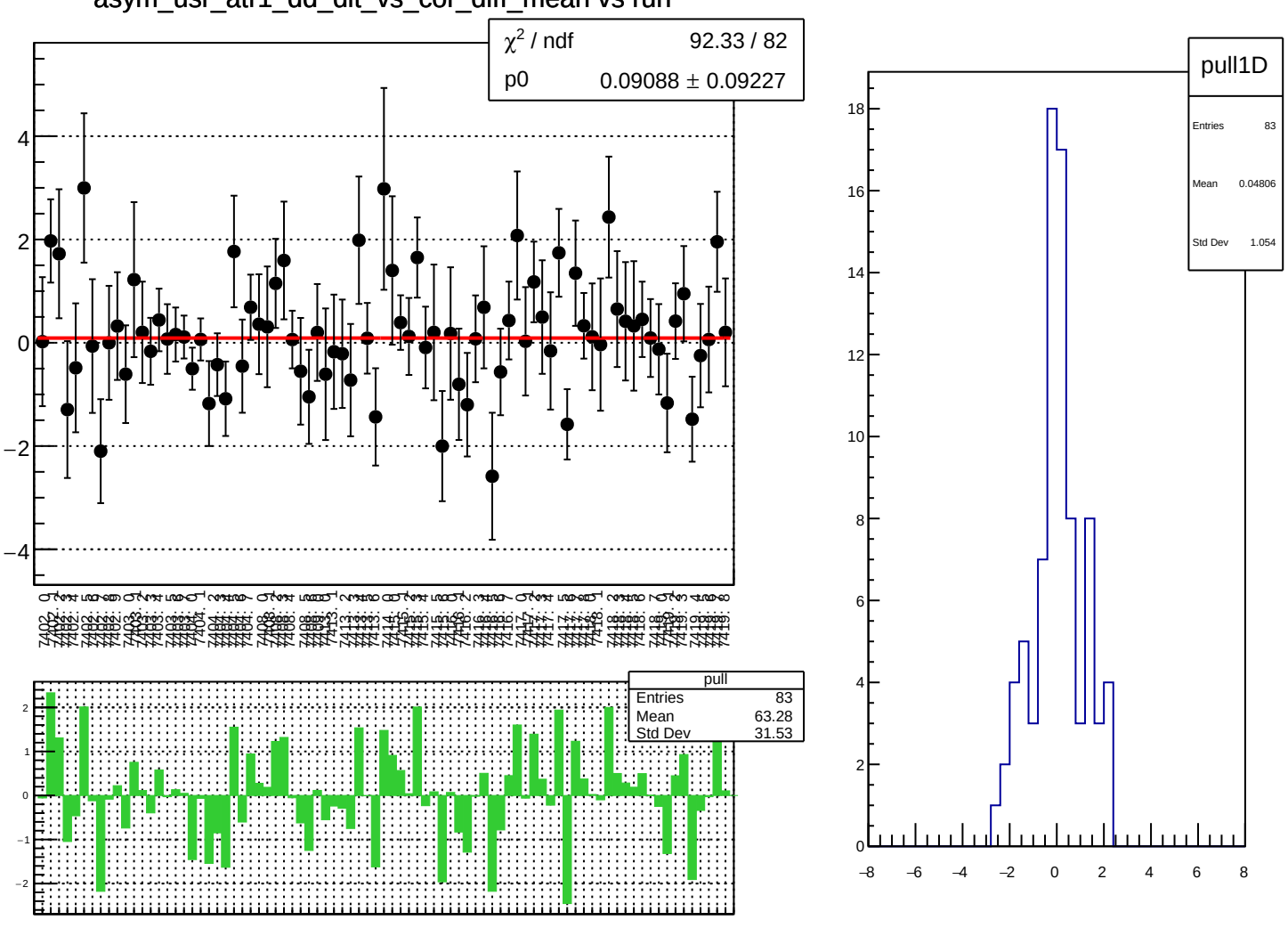

pull1D
Entries 83
Mean 0.007179
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

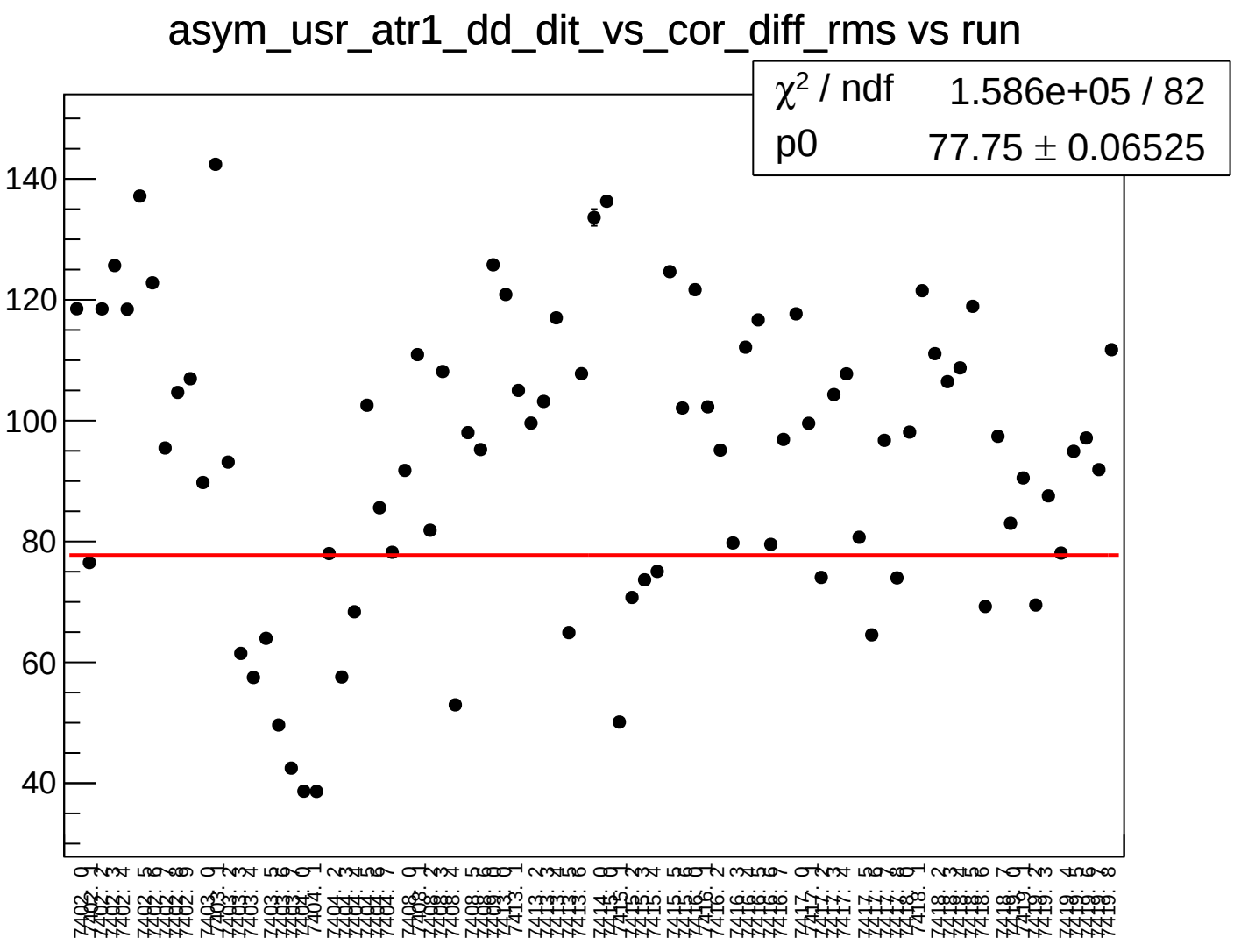

asym_usr_atr1_dd_rms vs run
χ² / ndf 247.9 / 82
p0 1466 ± 1.167
1540
1520
1500
1480
1460
1440
1420
1400

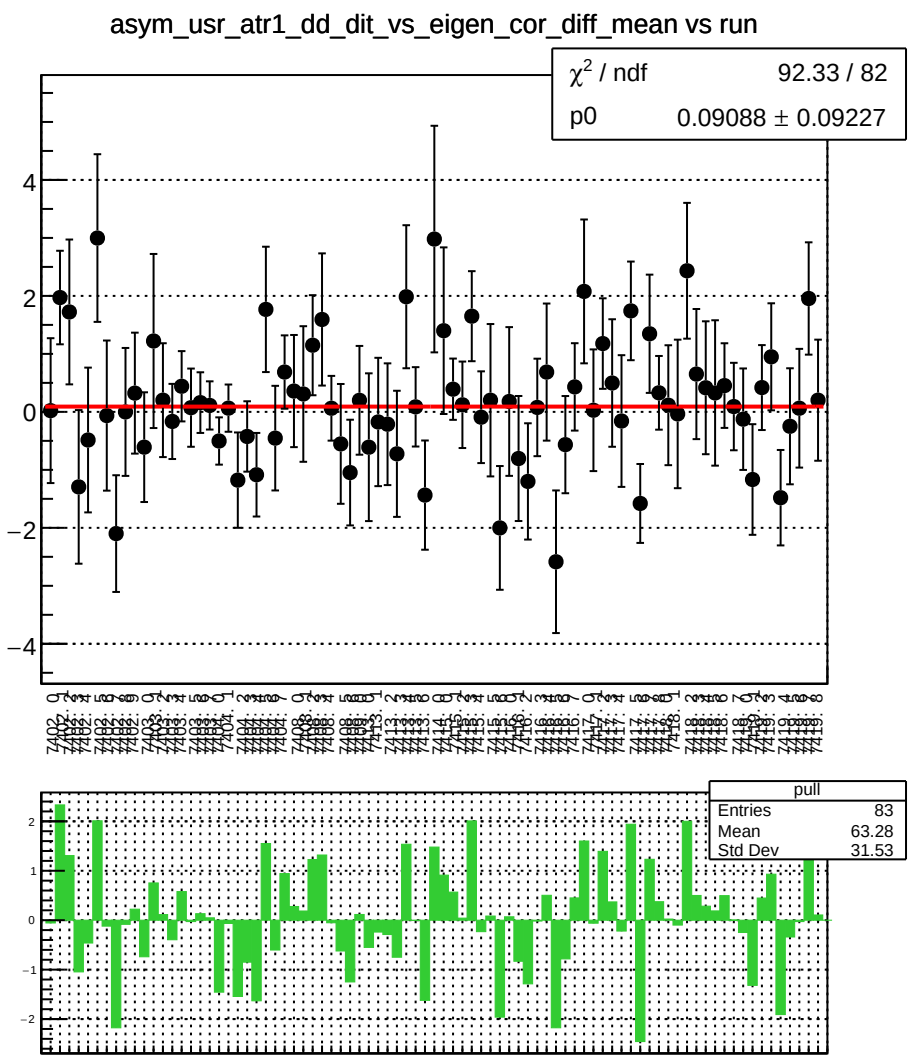

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.27 / 82
p0 −5.804e−14 ± 2.614e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean −7.532
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

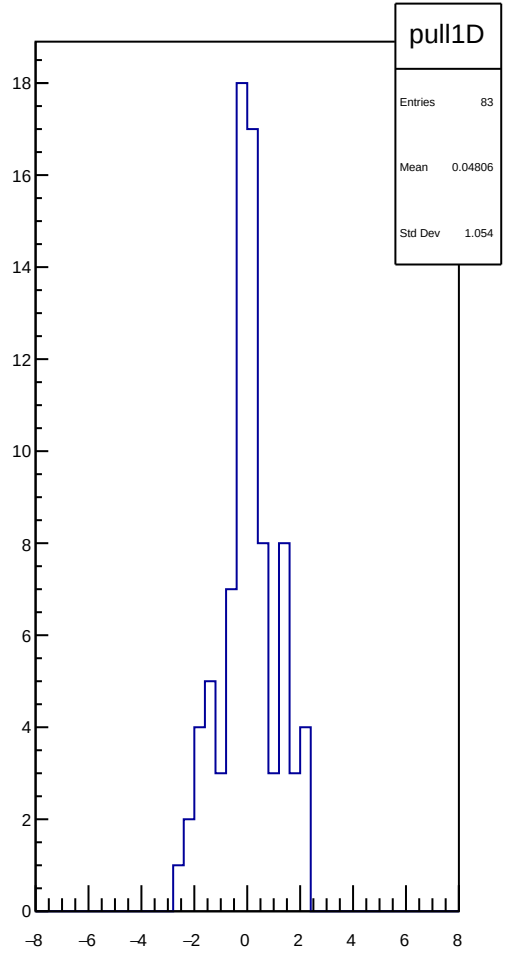

pull1D
Entries 83
Mean −0.07365
Std Dev 0.9868
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

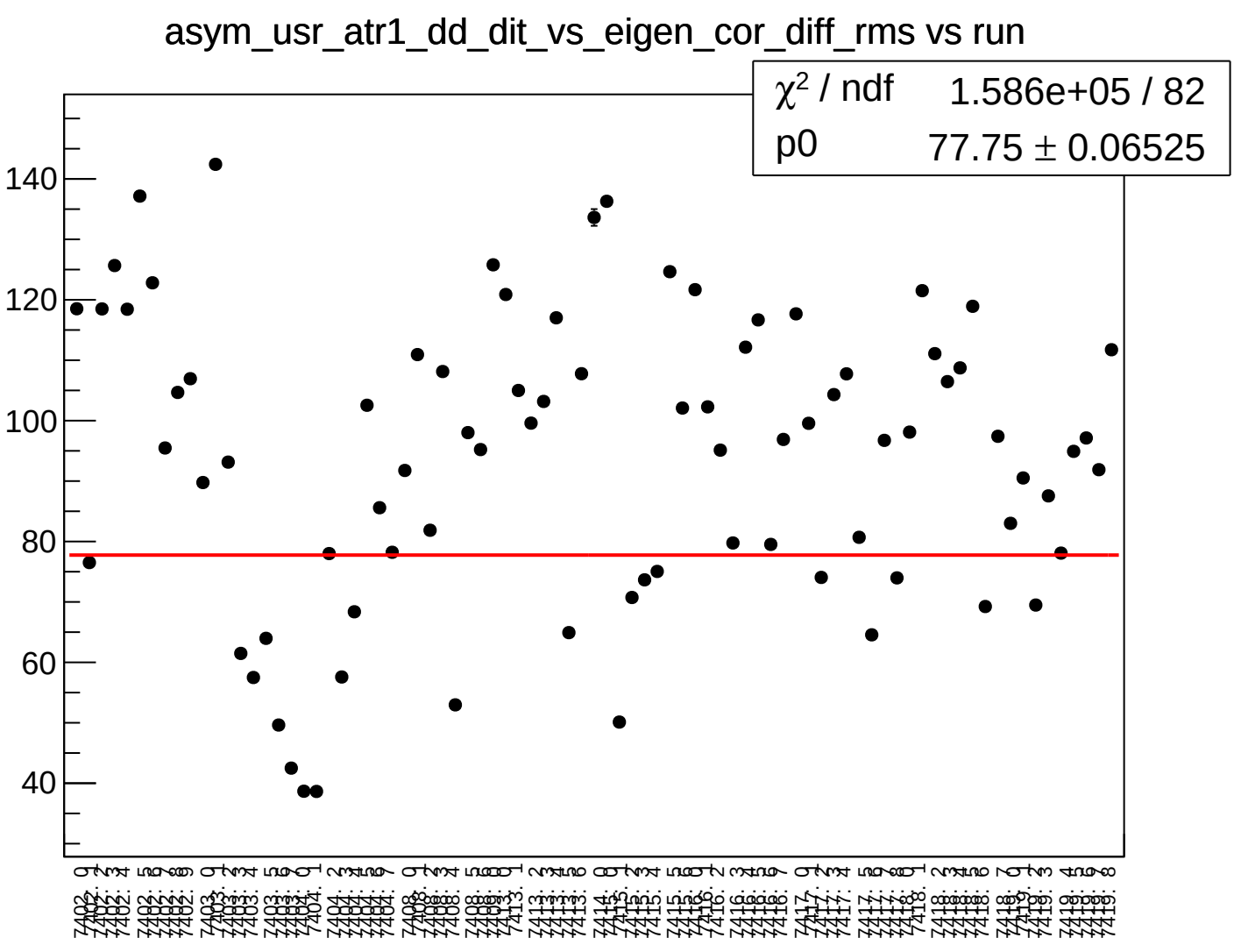

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.304e+06 / 82
p0 9.686e−12 ± 1.848e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

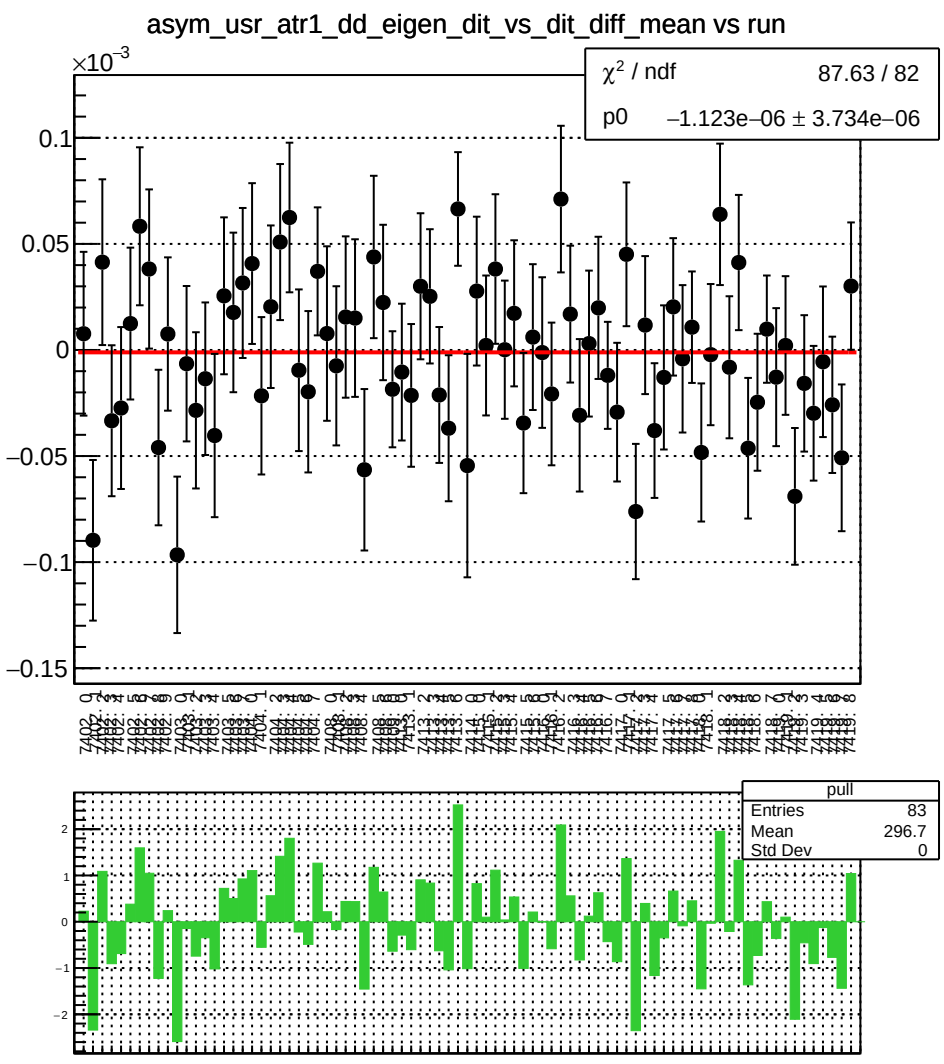

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 0.09088 ± 0.09227
pull
Entries 83
Mean 63.28
Std Dev 31.53
pull1D
Entries 83
Mean 0.04806
Std Dev 1.054

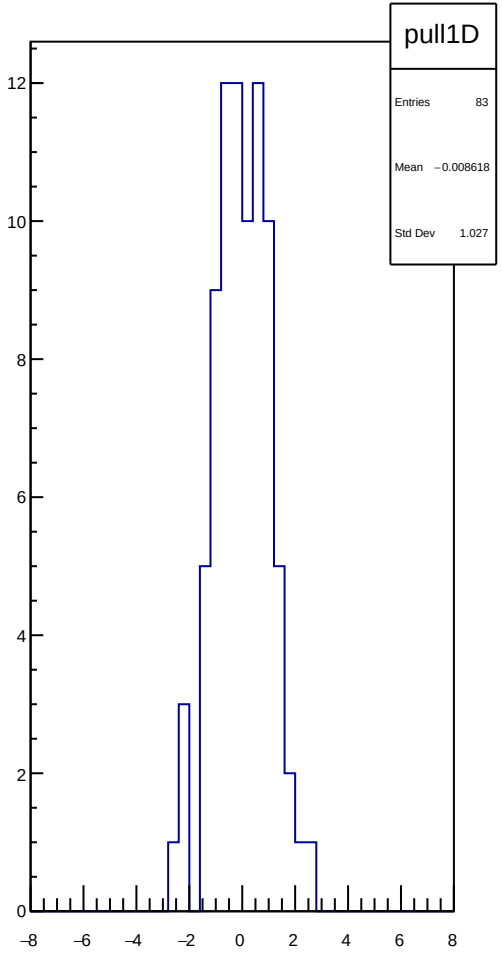

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.586e+05 / 82
p0 77.75 ± 0.06525
140
120
100
80
60
40

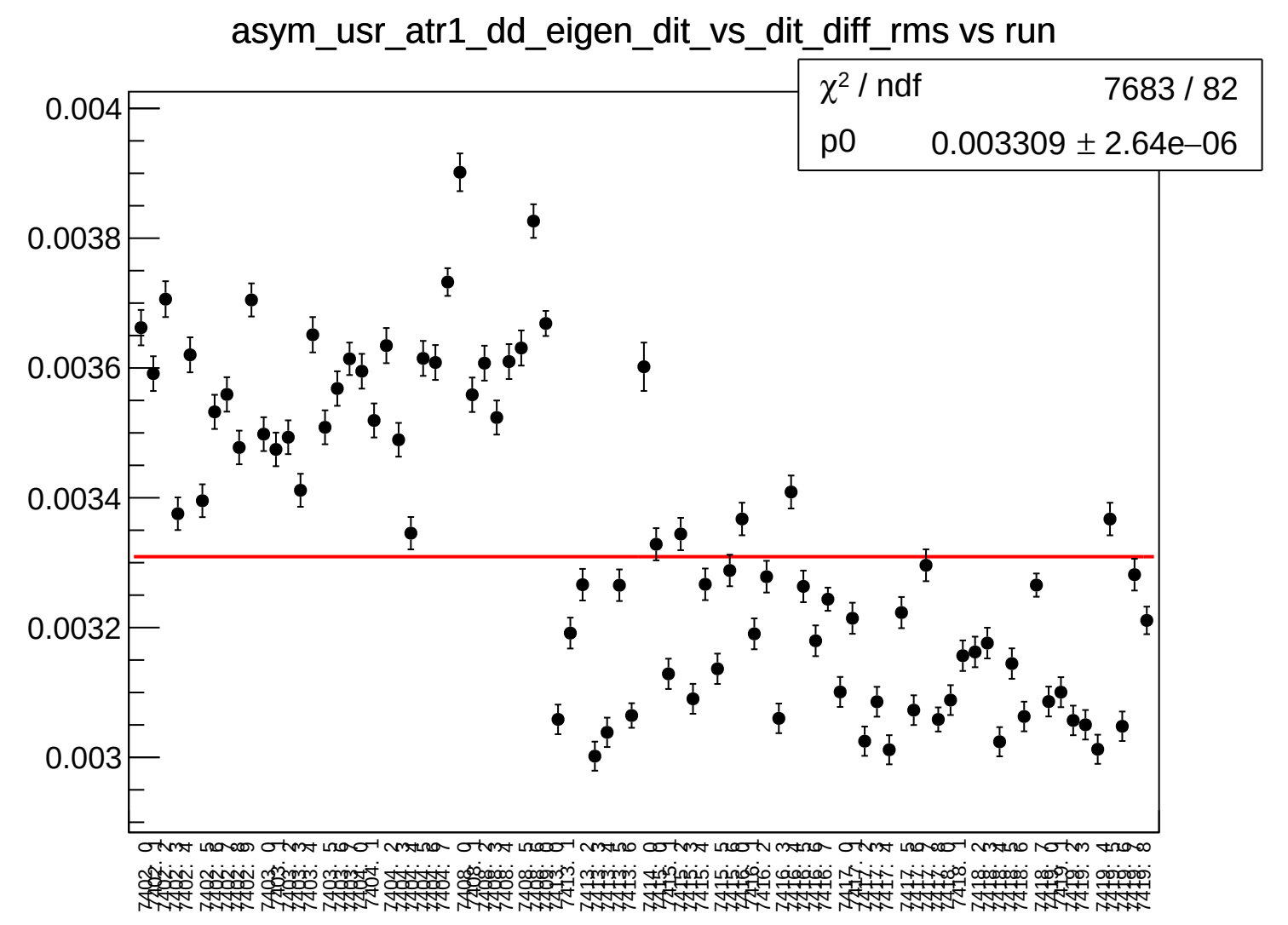

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 0.09088 ± 0.09227
pull
Entries 83
Mean 63.28
Std Dev 31.53

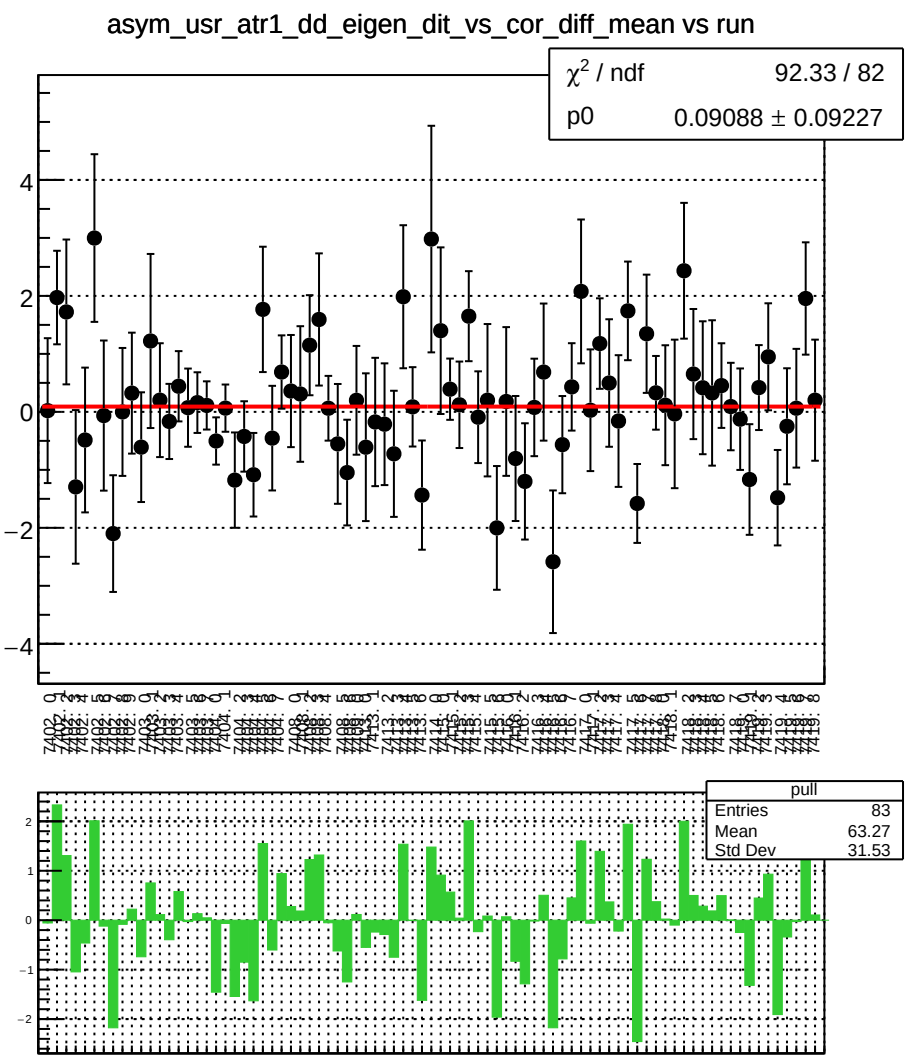

pull1D
Entries 83
Mean 0.04806
Std Dev 1.054

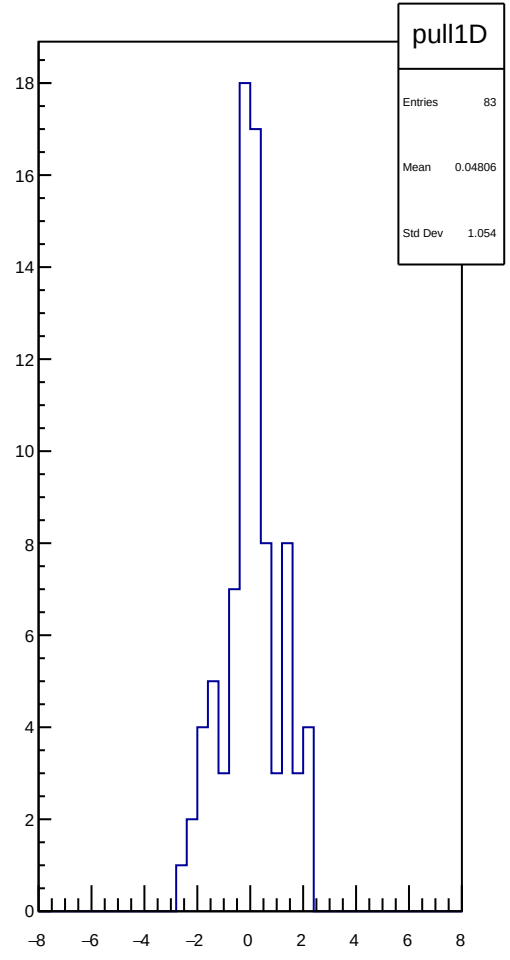

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.586e+05 / 82
p0 77.75 ± 0.06525
140
120
100
80
60
40

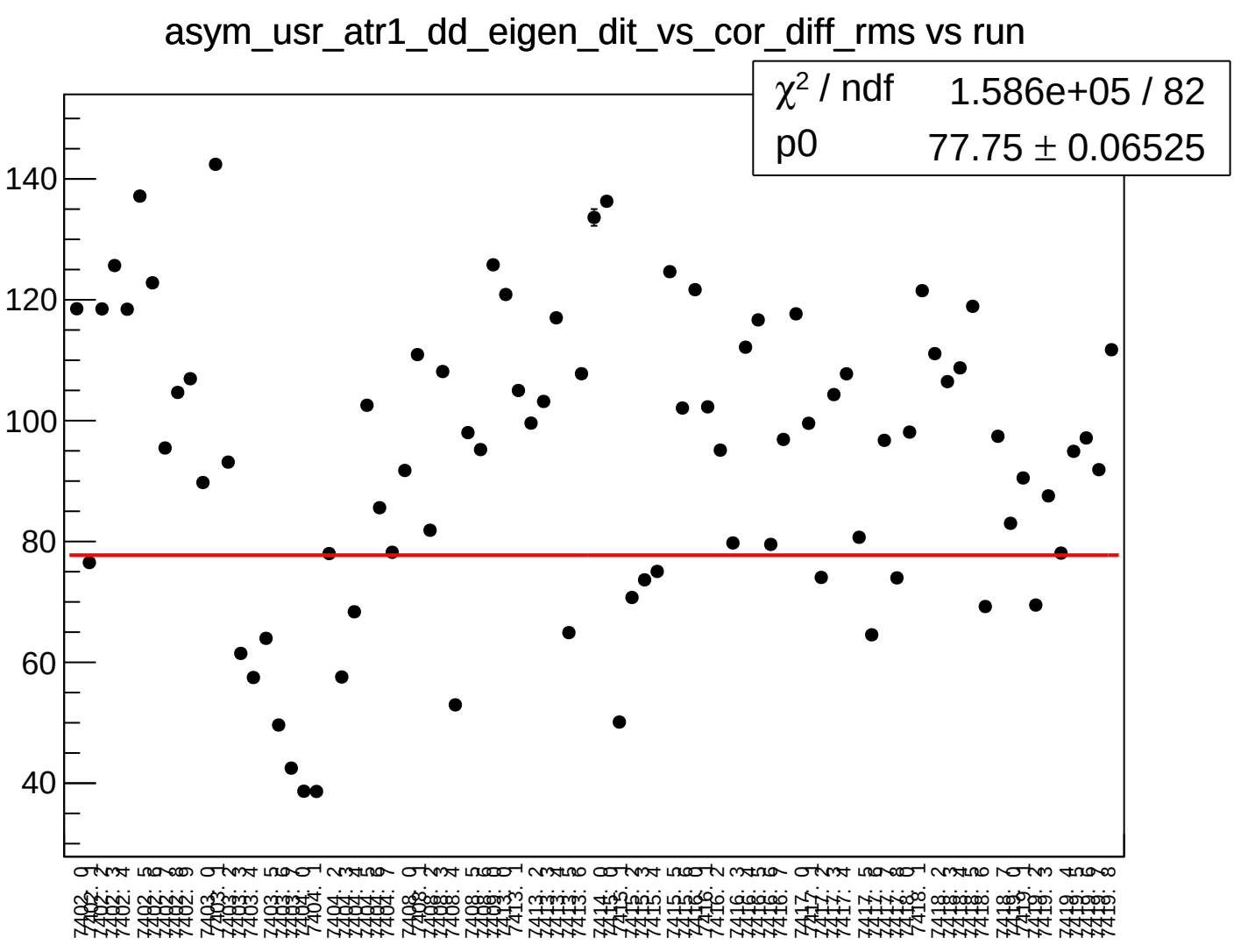

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.63 / 82
p0 −1.123e−06 ± 3.734e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 296.7
Std Dev 0
2
1
0
−1
−2

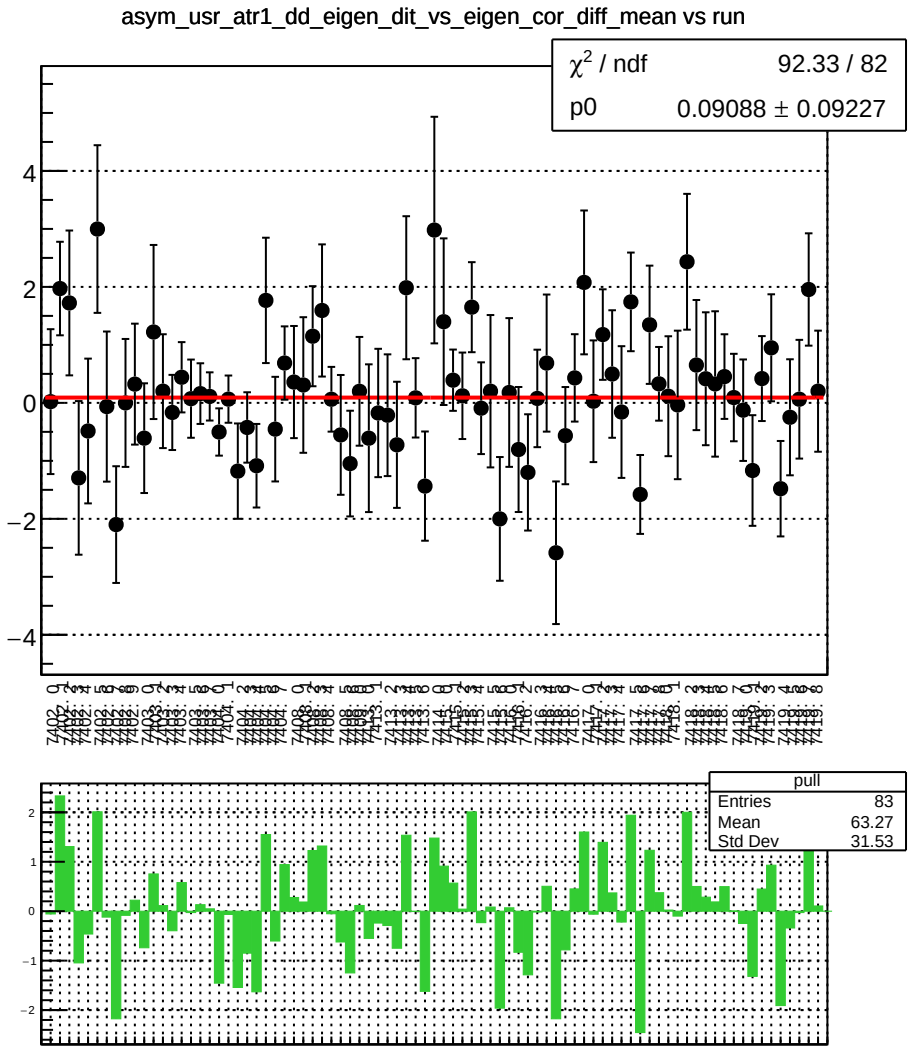

pull1D
Entries 83
Mean −0.008618
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

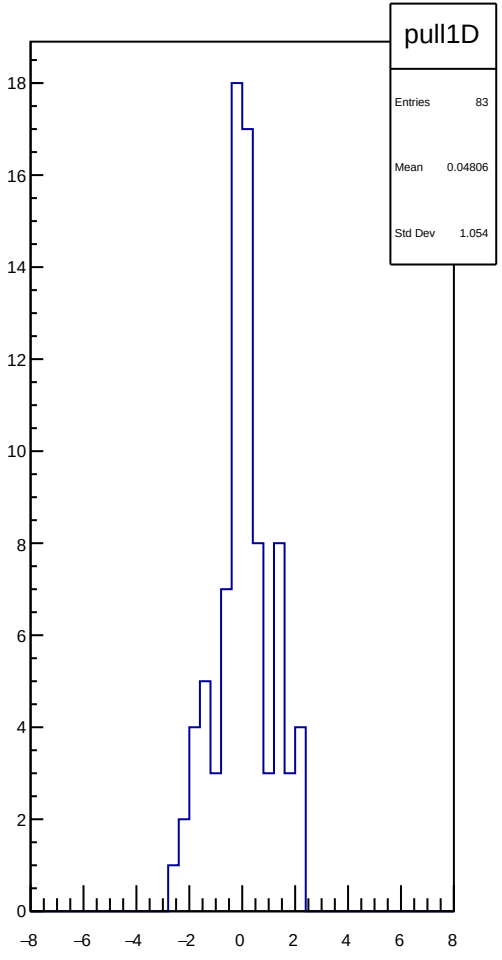

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7683 / 82
p0 0.003309 ± 2.64e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003

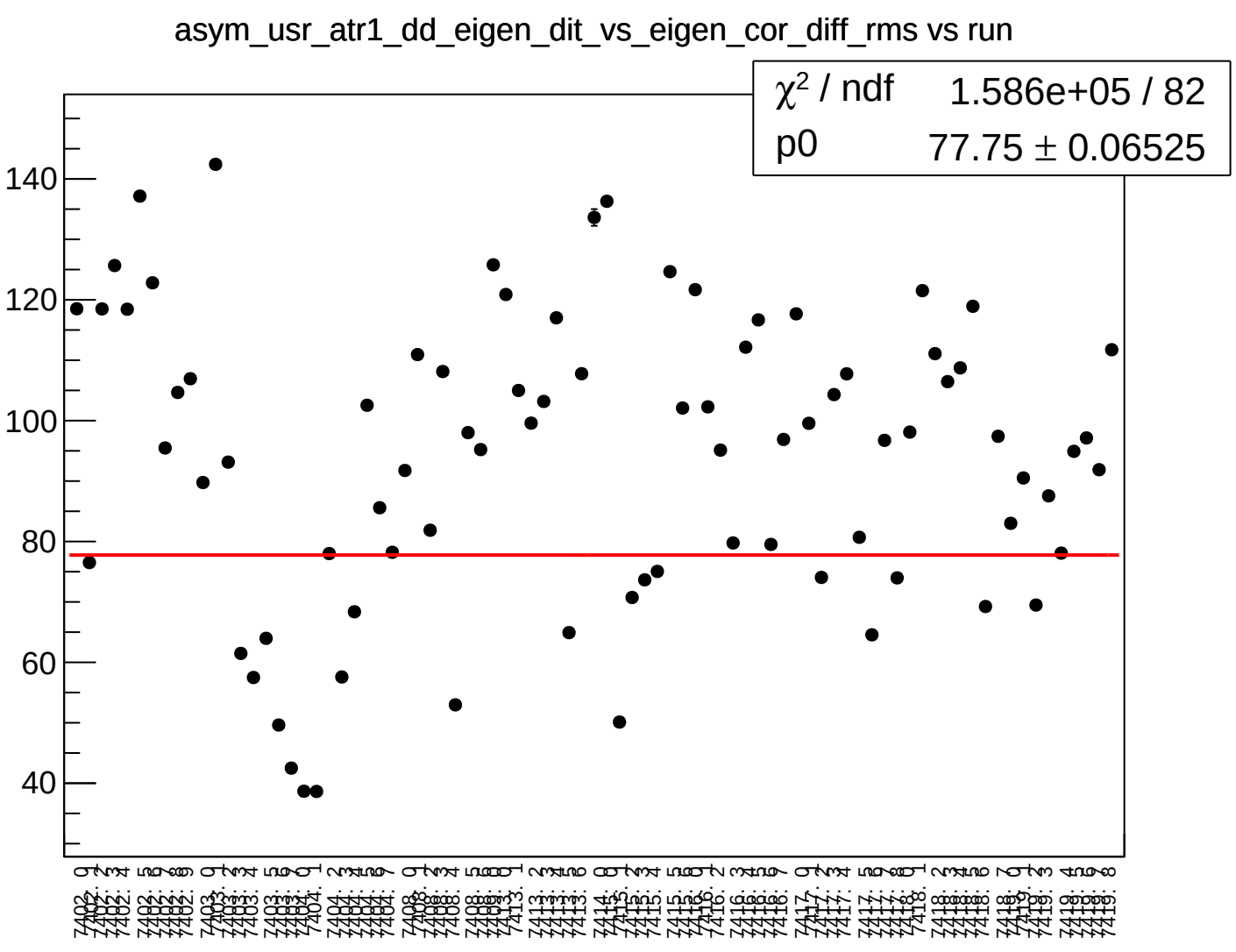

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 0.09088 ± 0.09227
pull
Entries 83
Mean 63.27
Std Dev 31.53

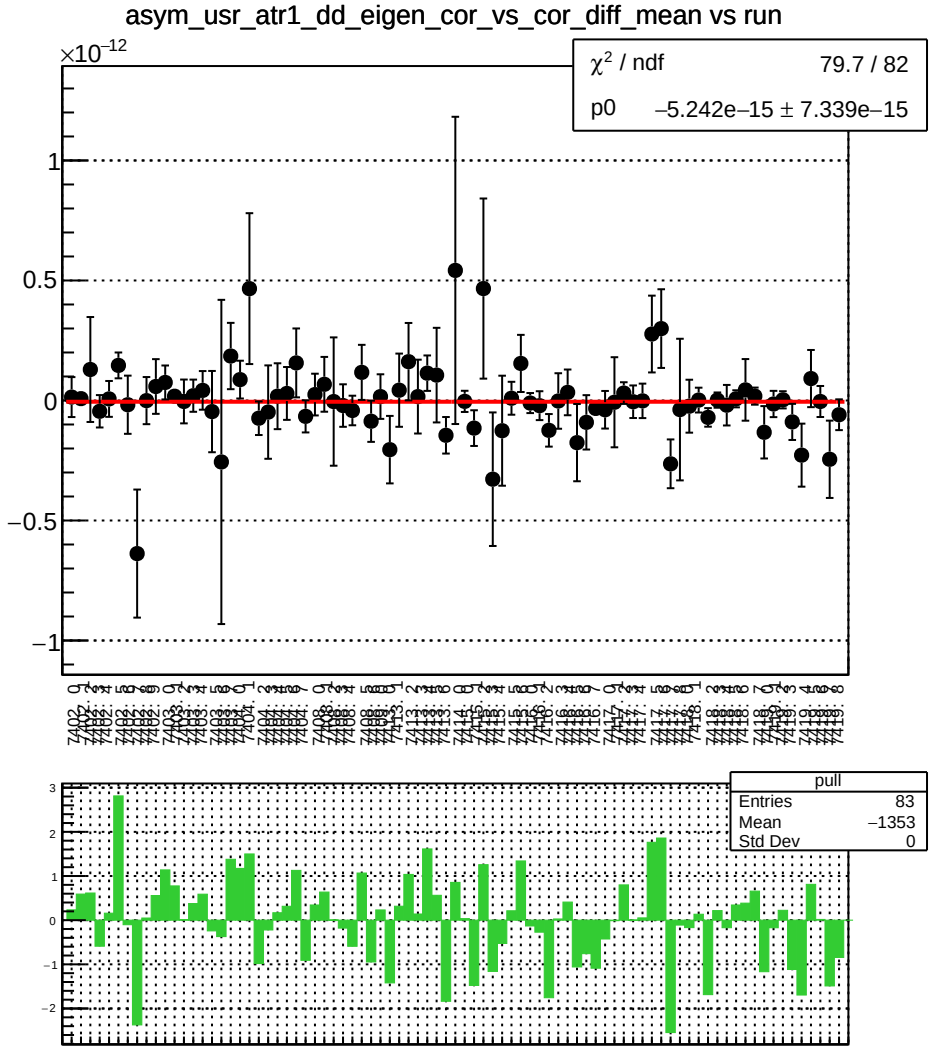

pull1D
Entries 83
Mean 0.04806
Std Dev 1.054

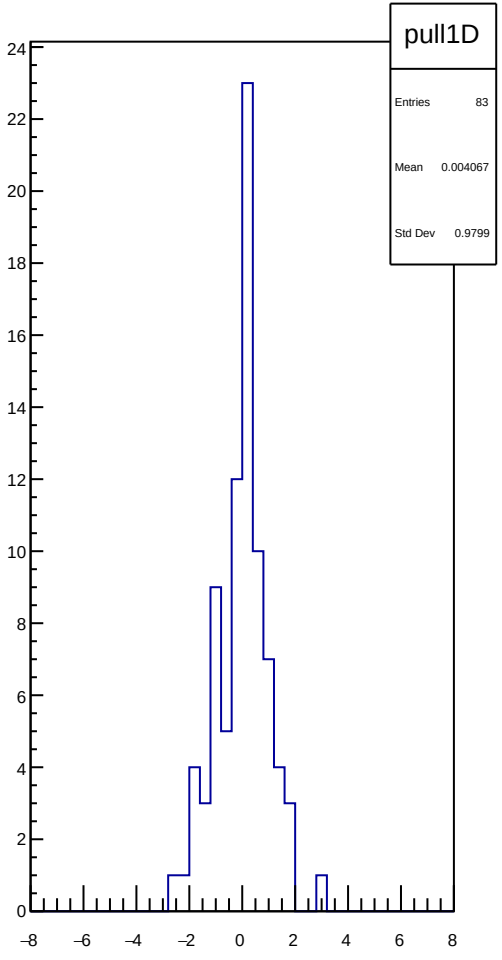

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.586e+05 / 82
p0 77.75 ± 0.06525
140
120
100
80
60
40

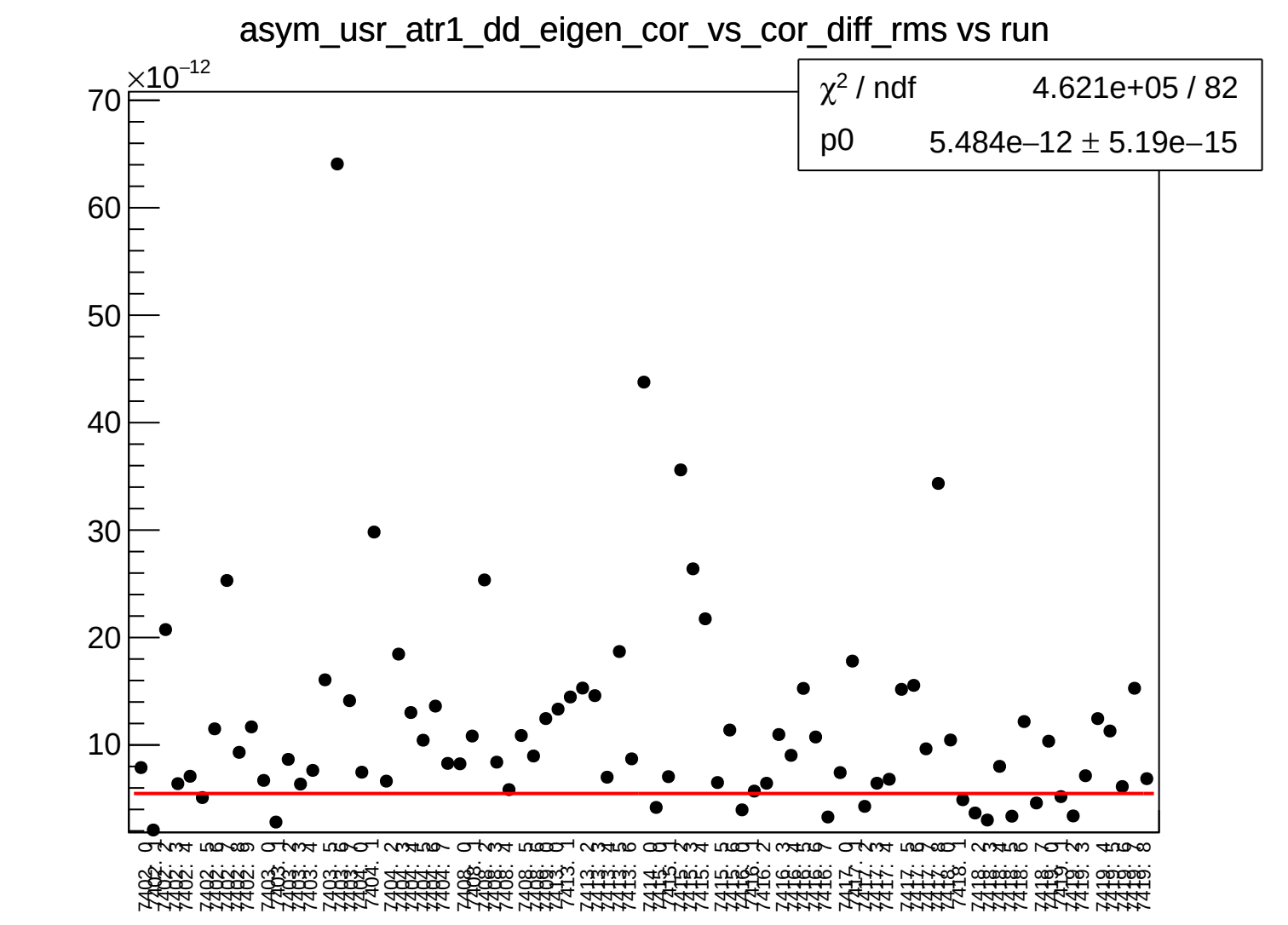

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 0.09088 ± 0.09227
pull
Entries 83
Mean 63.27
Std Dev 31.53

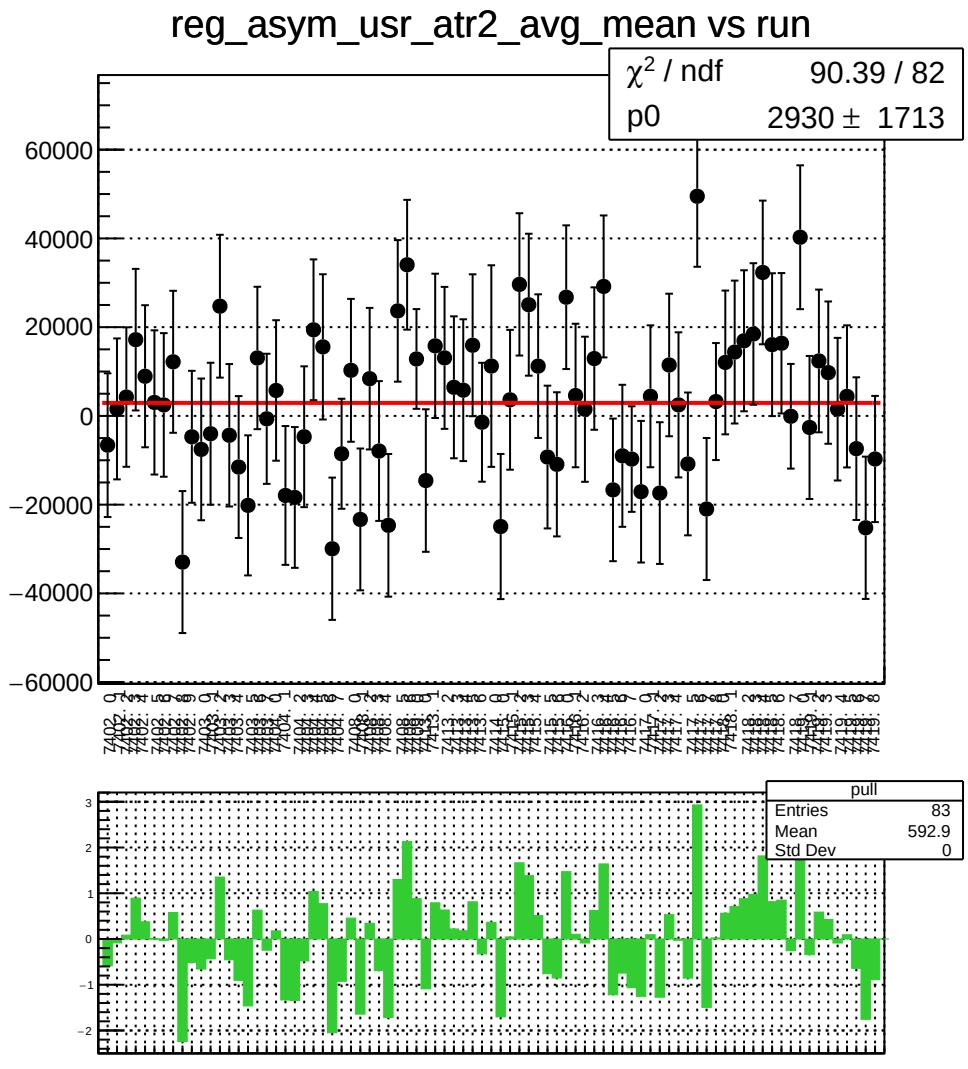

pull1D
Entries 83
Mean 0.04806
Std Dev 1.054

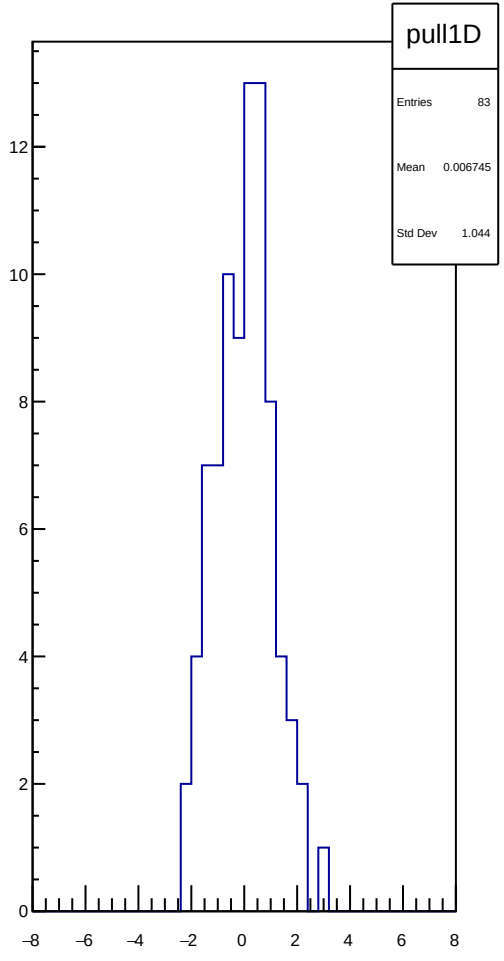

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.586e+05 / 82
p0 77.75 ± 0.06525
140
120
100
80
60
40

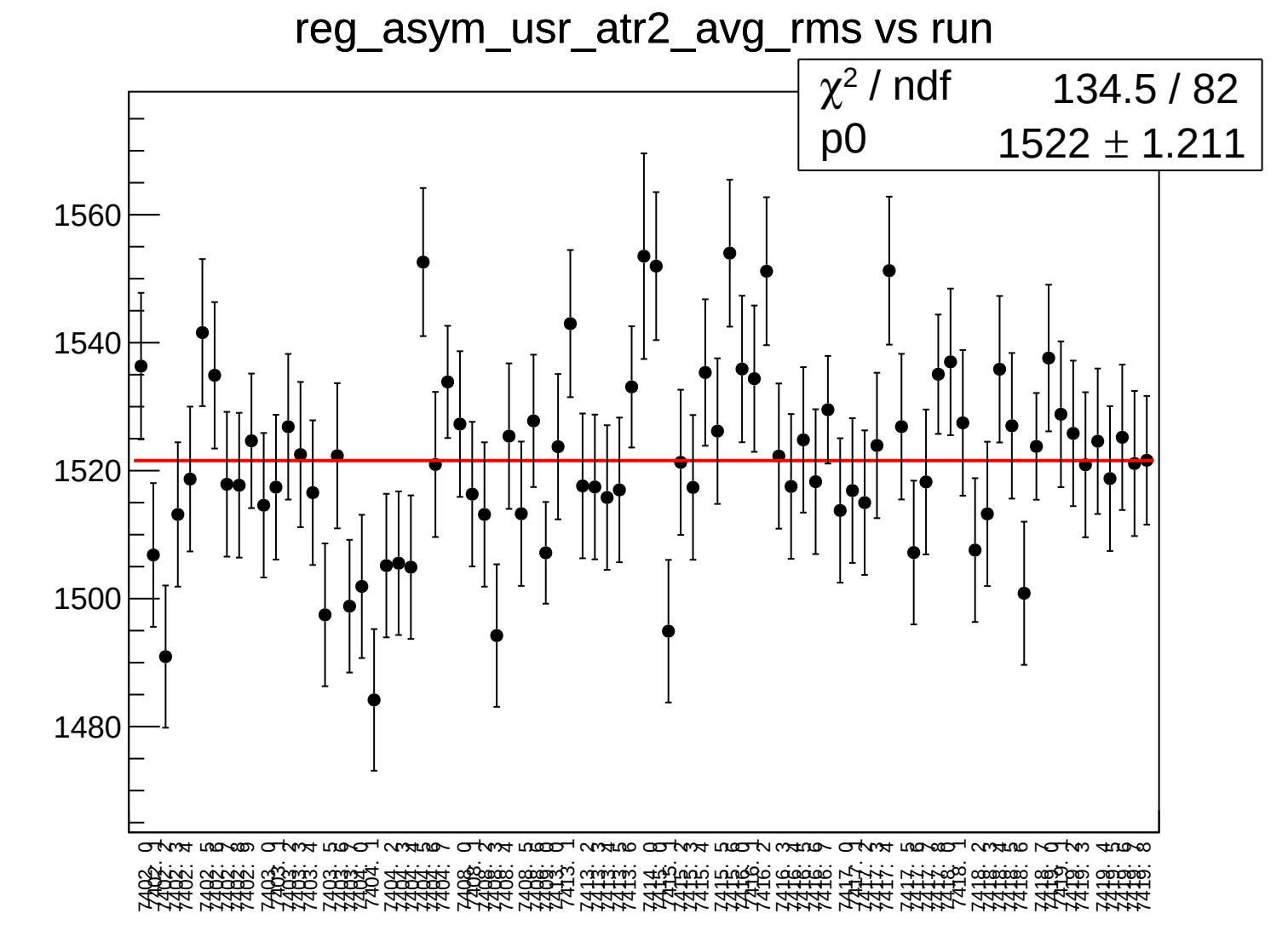

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.7 / 82
p0 −5.242e−15 ± 7.339e−15
pull
Entries 83
Mean −1353
Std Dev 0

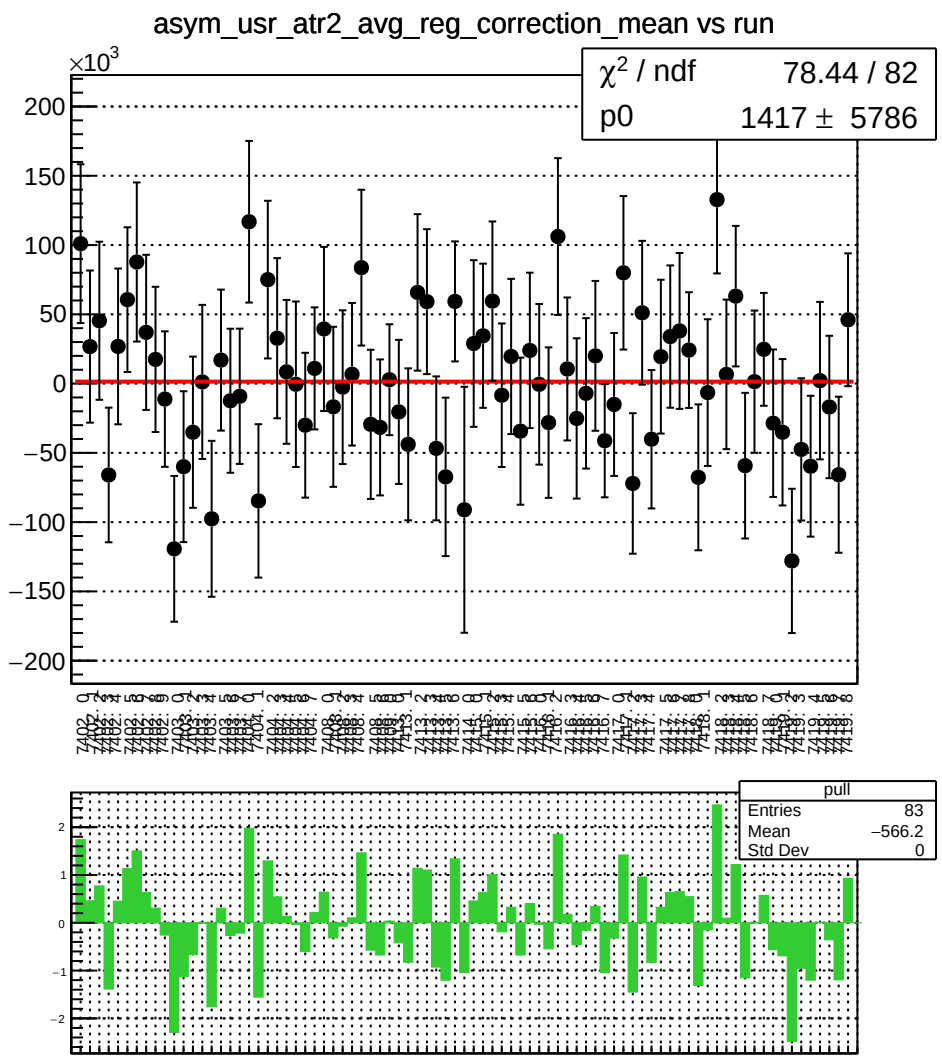

pull1D
Entries 83
Mean 0.004067
Std Dev 0.9799

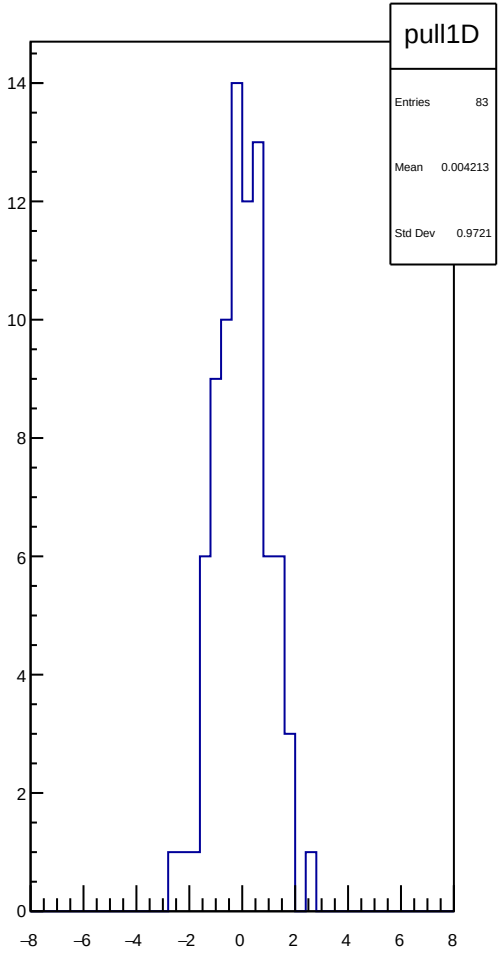

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
70
60
50
40
30
20
10
χ² / ndf 4.621e+05 / 82
p0 5.484e−12 ± 5.19e−15

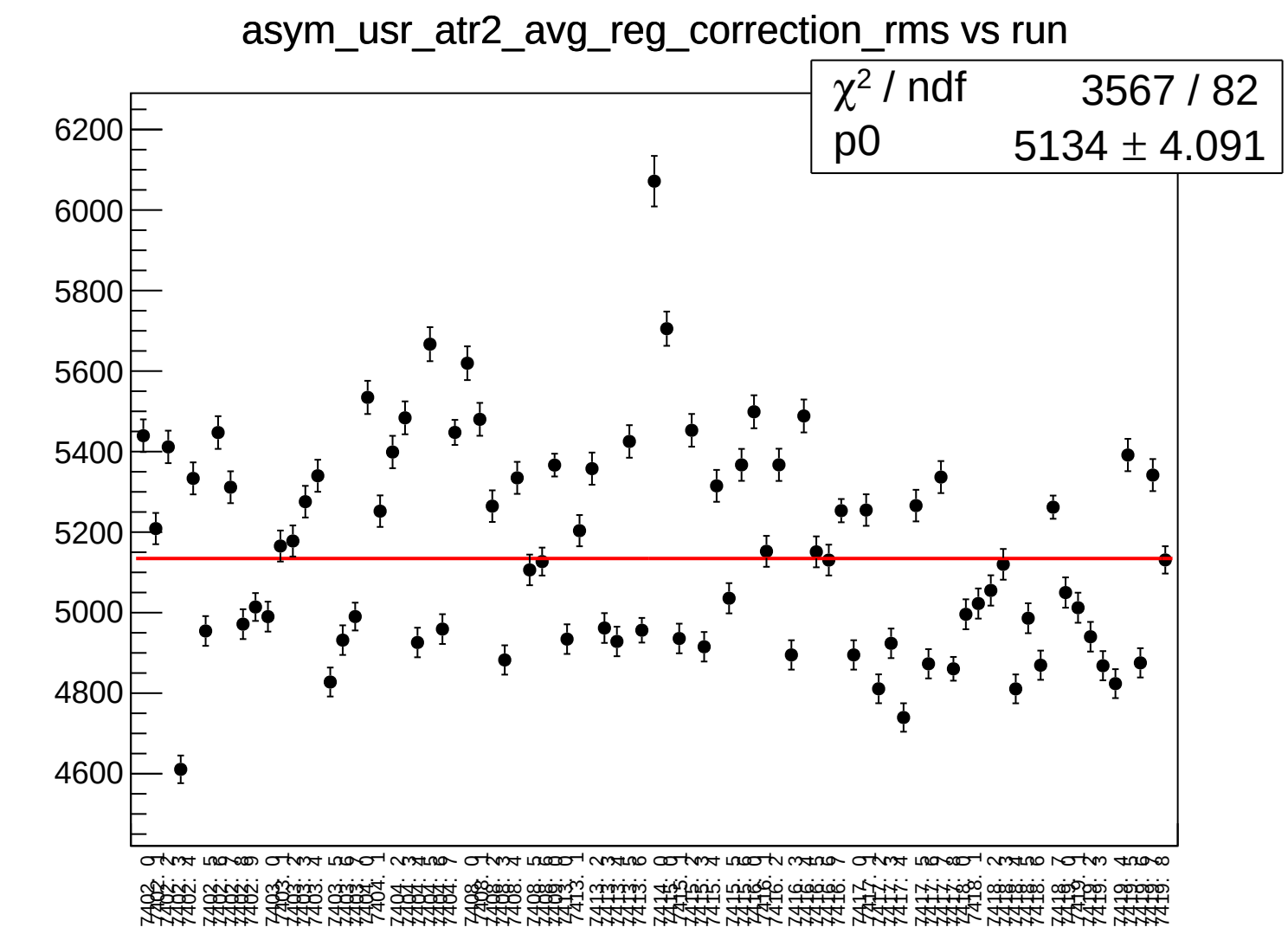

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 90.39 / 82
p0 2930 ± 1713
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 592.9
Std Dev 0
3
2
1
0
−1
−2

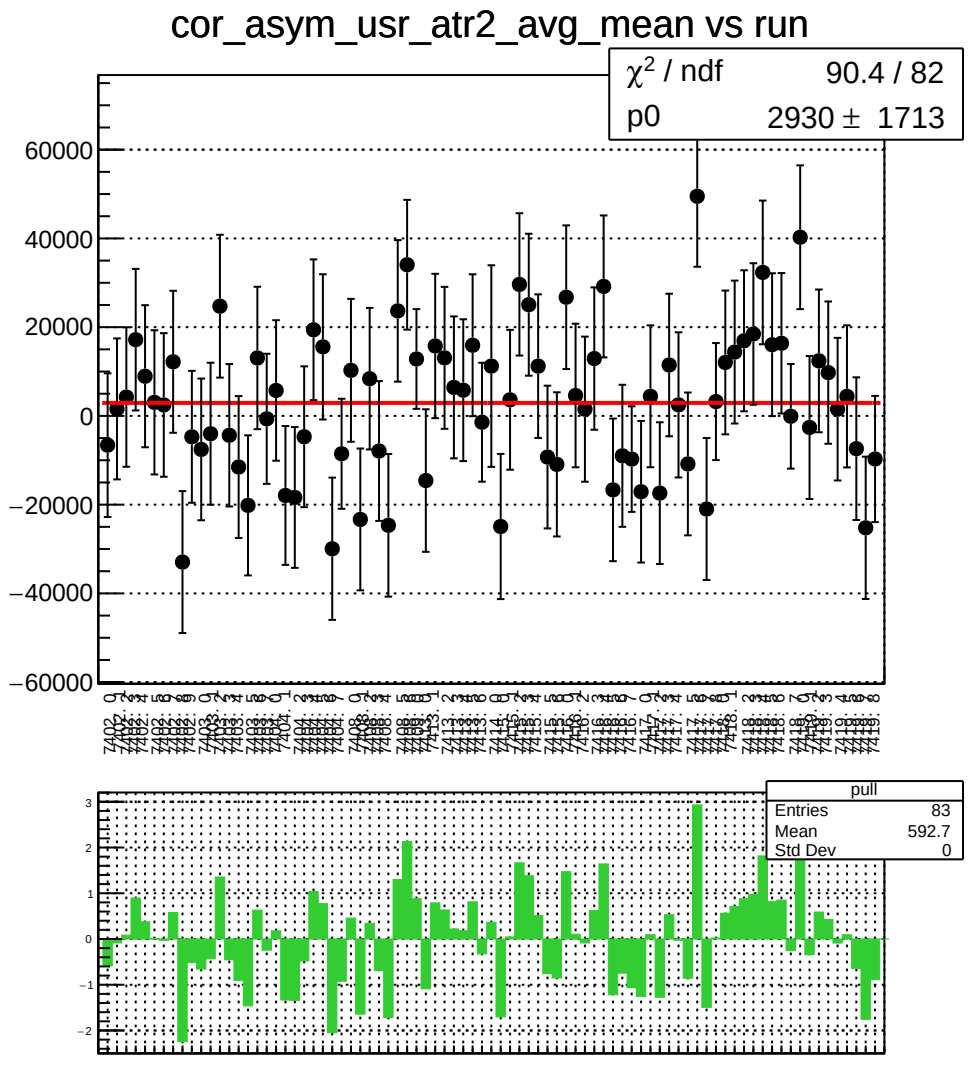

pull1D
Entries 83
Mean 0.006745
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

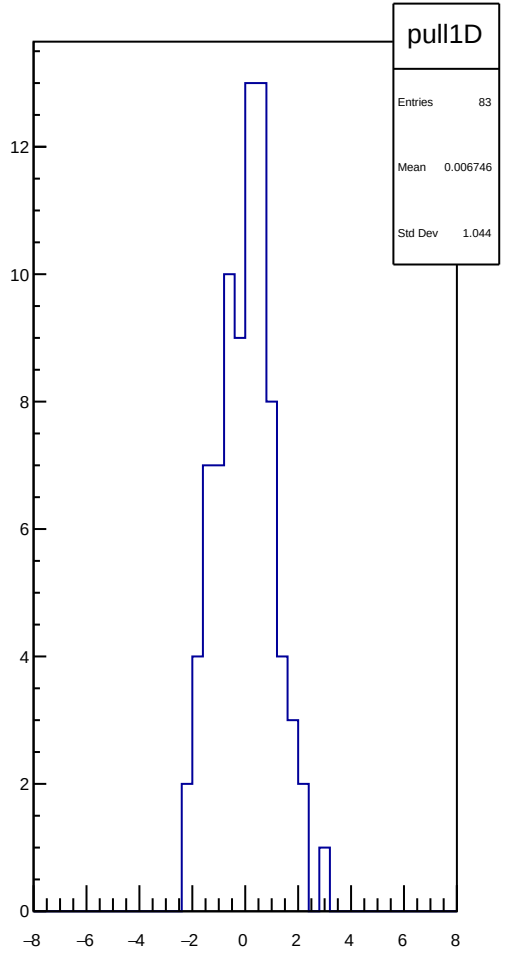

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 134.5 / 82
p0 1522 ± 1.211
1560
1540
1520
1500
1480

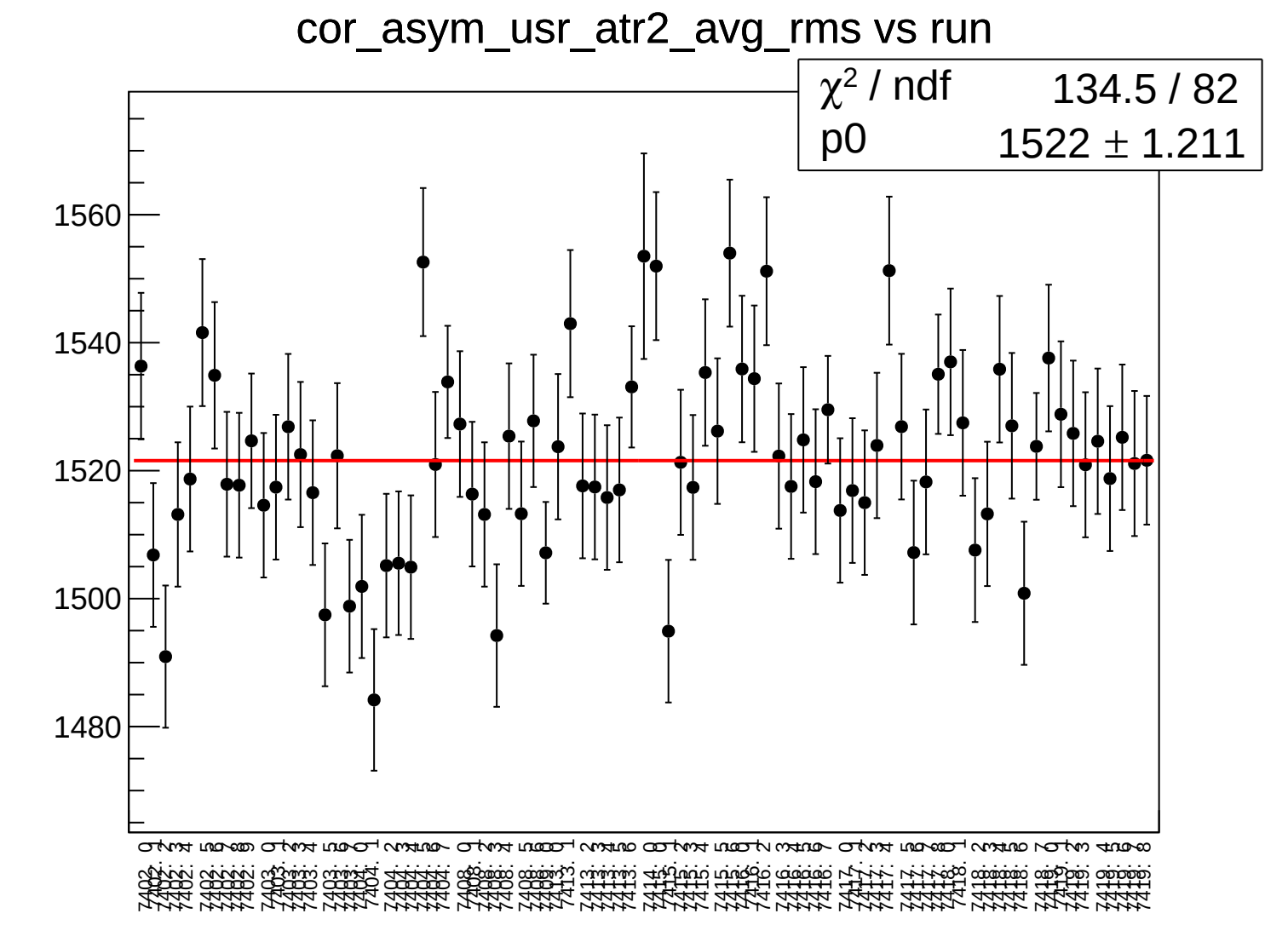

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 78.44 / 82
p0 1417 ± 5786
pull
Entries 83
Mean −566.2
Std Dev 0

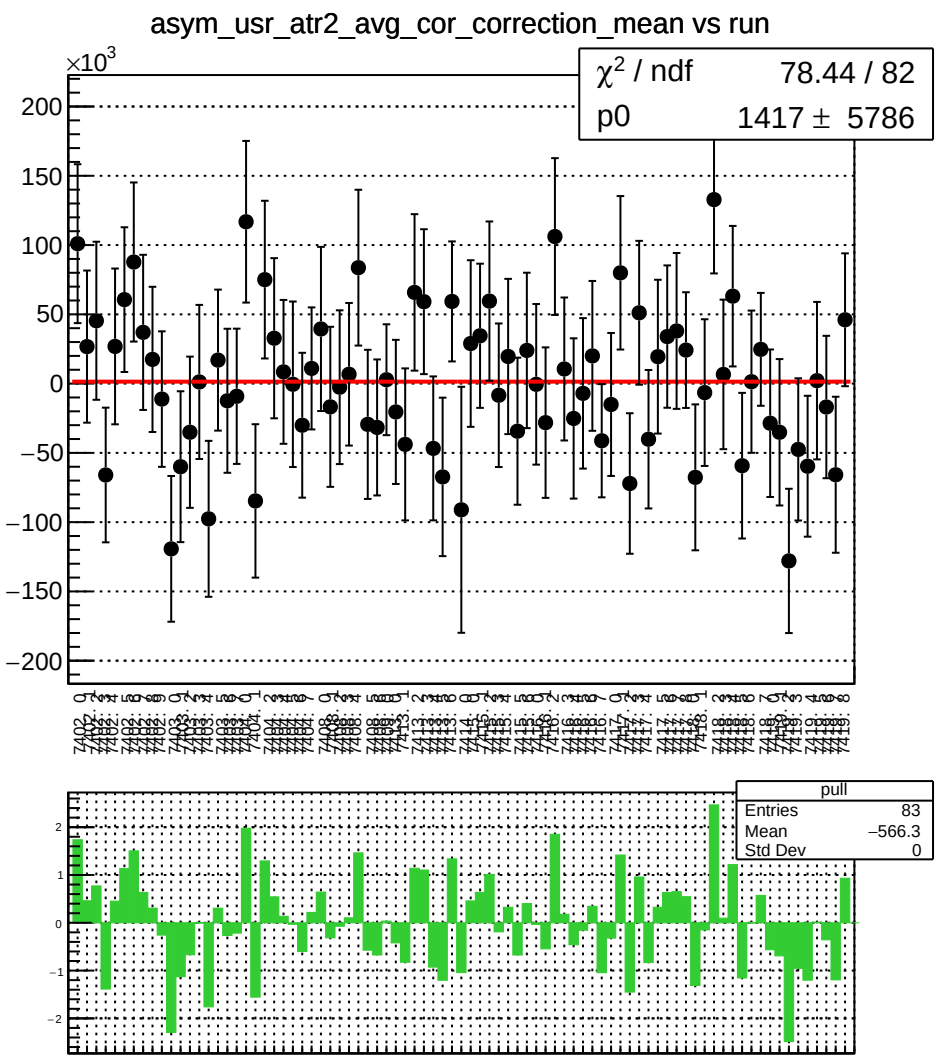

pull1D
Entries 83
Mean 0.004213
Std Dev 0.9721

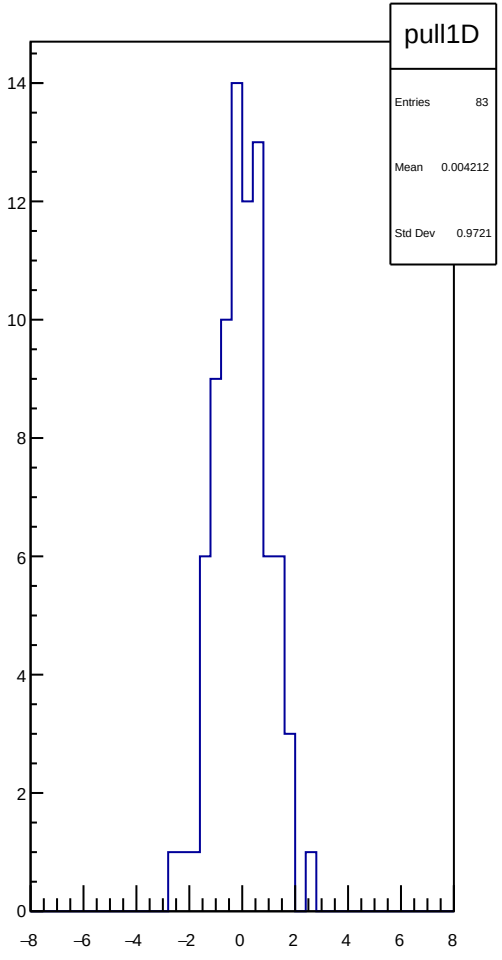

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 3567 / 82
p0 5134 ± 4.091
6200
6000
5800
5600
5400
5200
5000
4800
4600

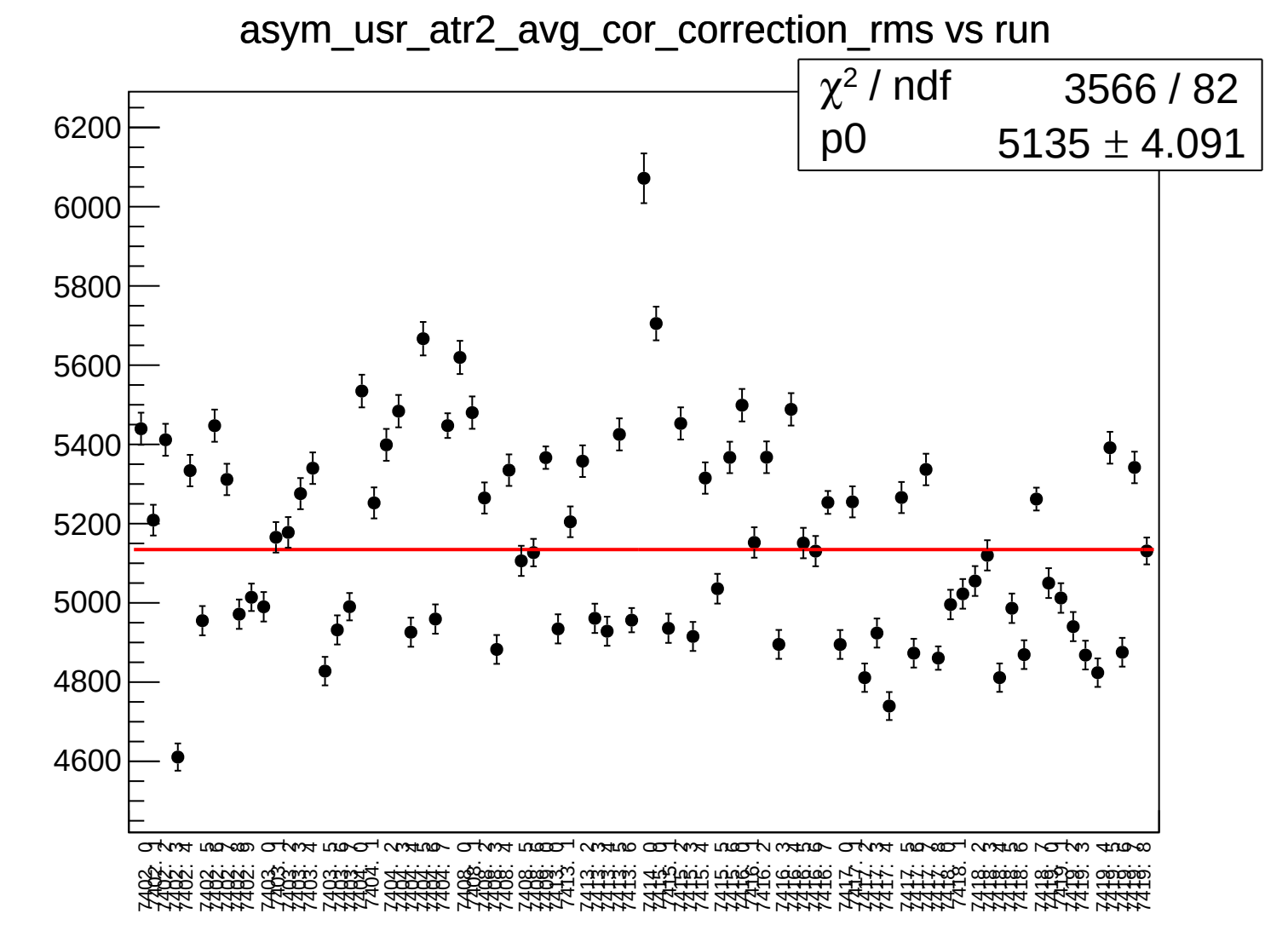

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 90.4 / 82
p0 2930 ± 1713
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 592.7
Std Dev 0
3
2
1
0
−1
−2

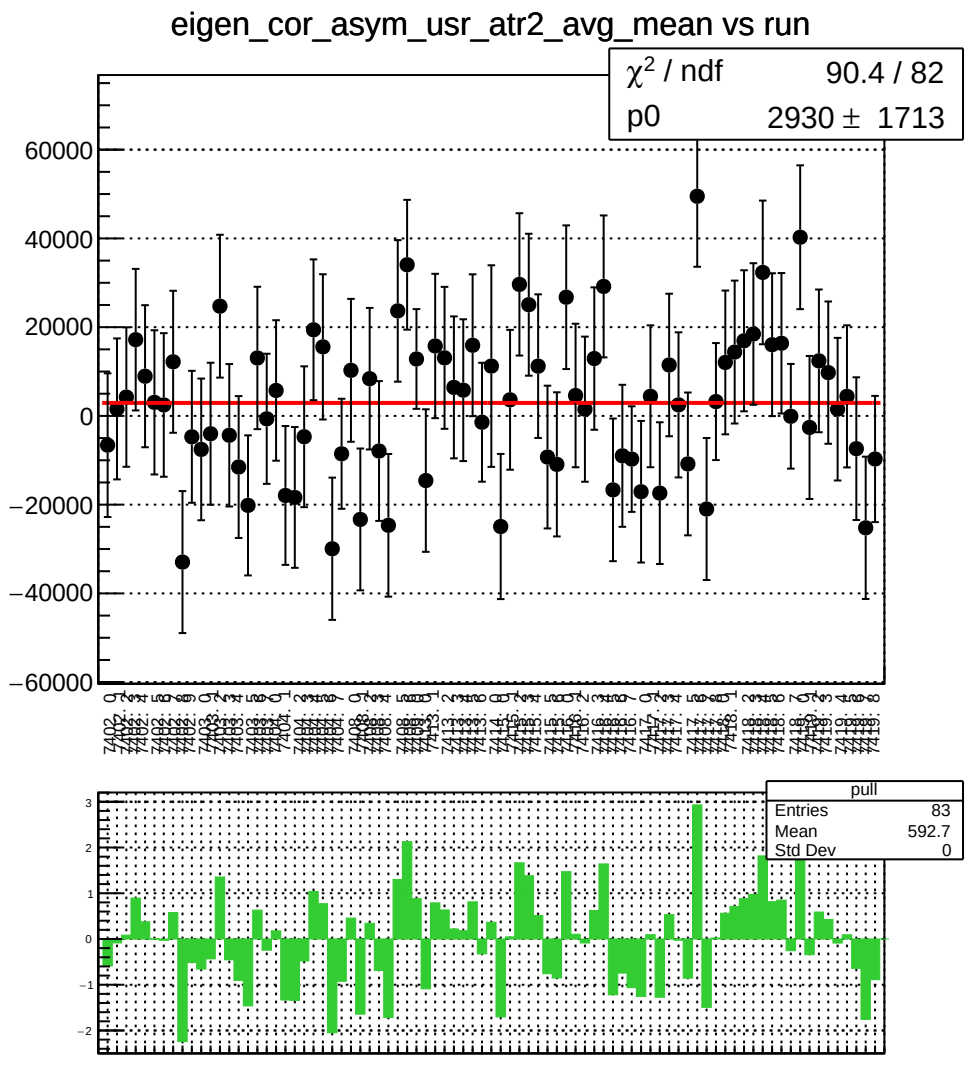

pull1D
Entries 83
Mean 0.006746
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

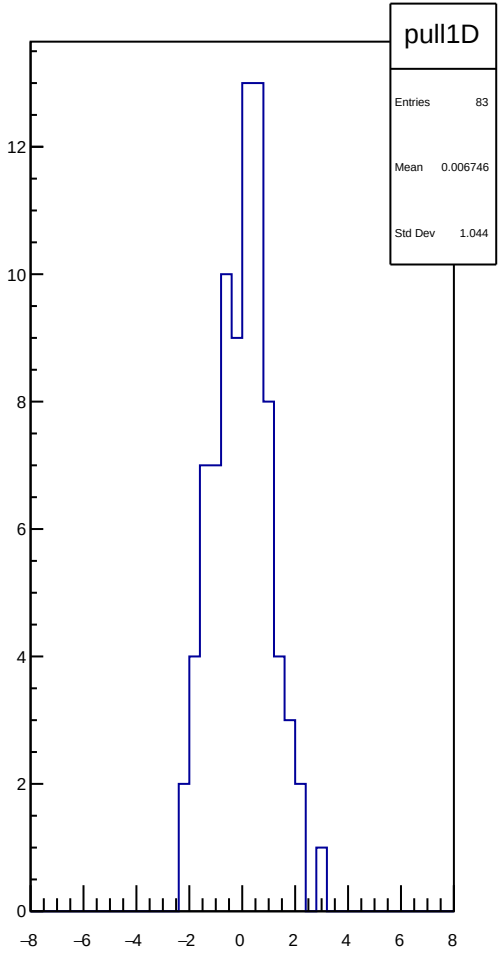

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 134.5 / 82
p0 1522 ± 1.211
1560
1540
1520
1500
1480

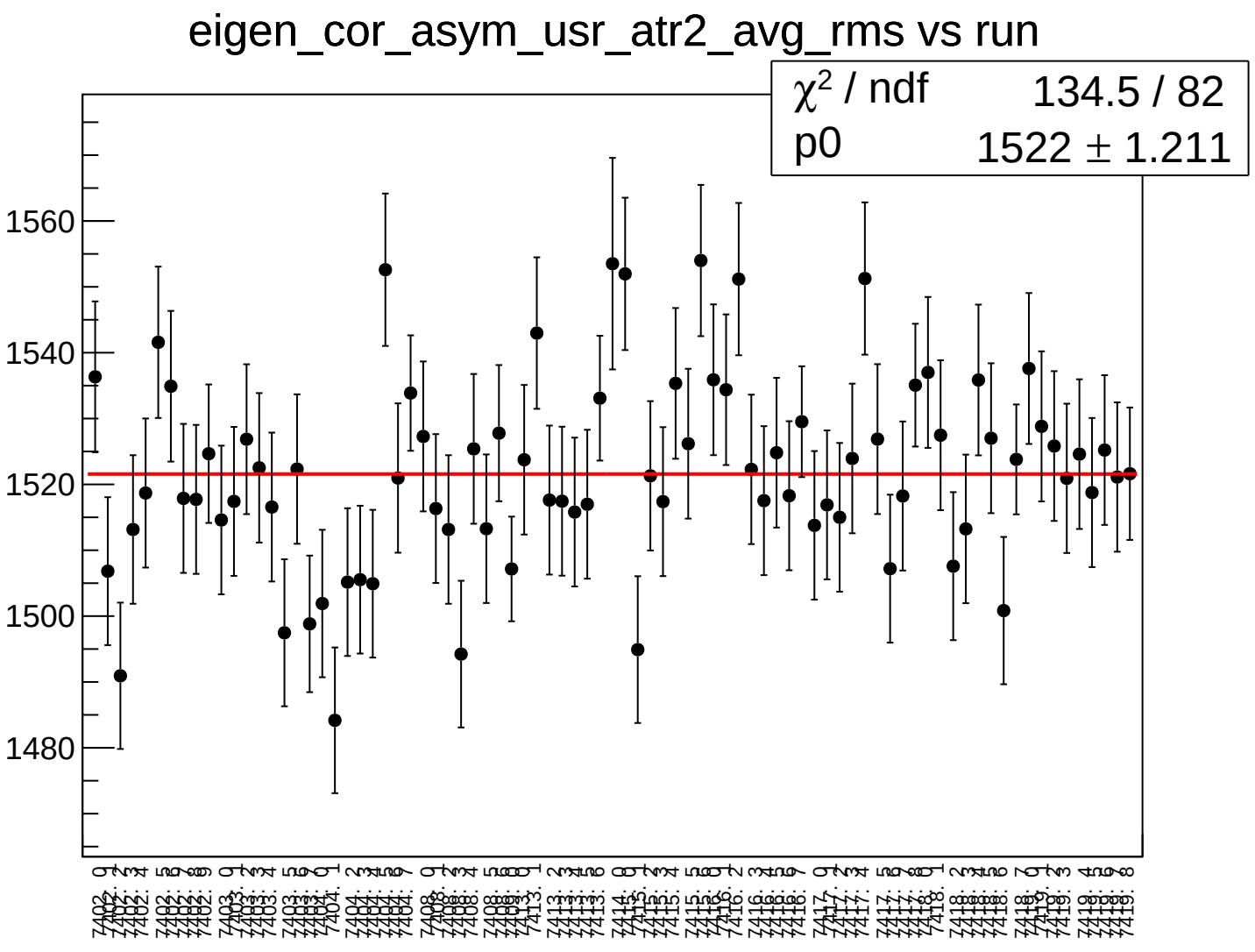

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 78.44 / 82
p0 1417 ± 5786
pull
Entries 83
Mean −566.3
Std Dev 0

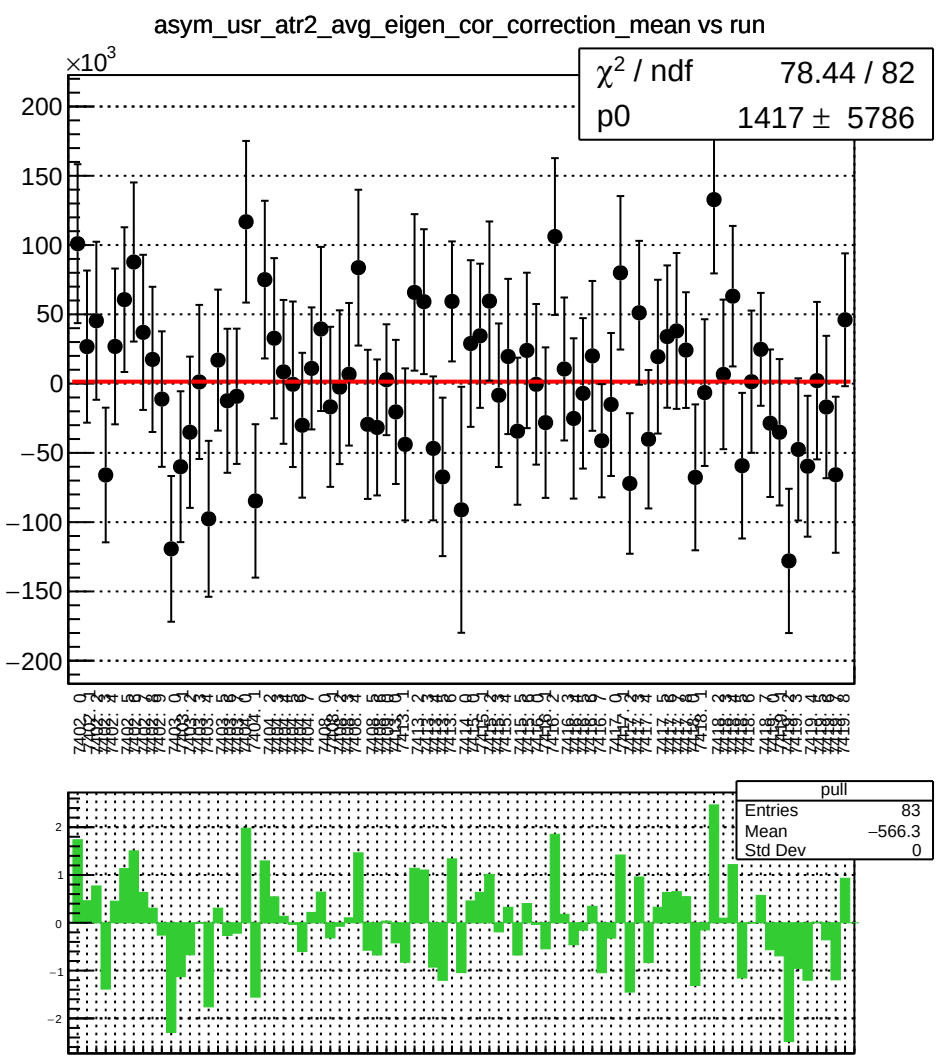

pull1D
Entries 83
Mean 0.004212
Std Dev 0.9721

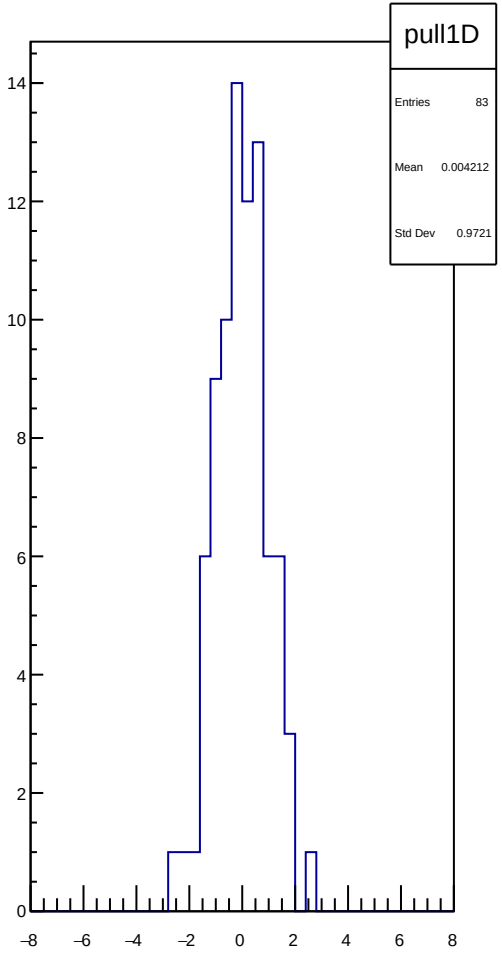

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 3566 / 82
p0 5135 ± 4.091
6200
6000
5800
5600
5400
5200
5000
4800
4600

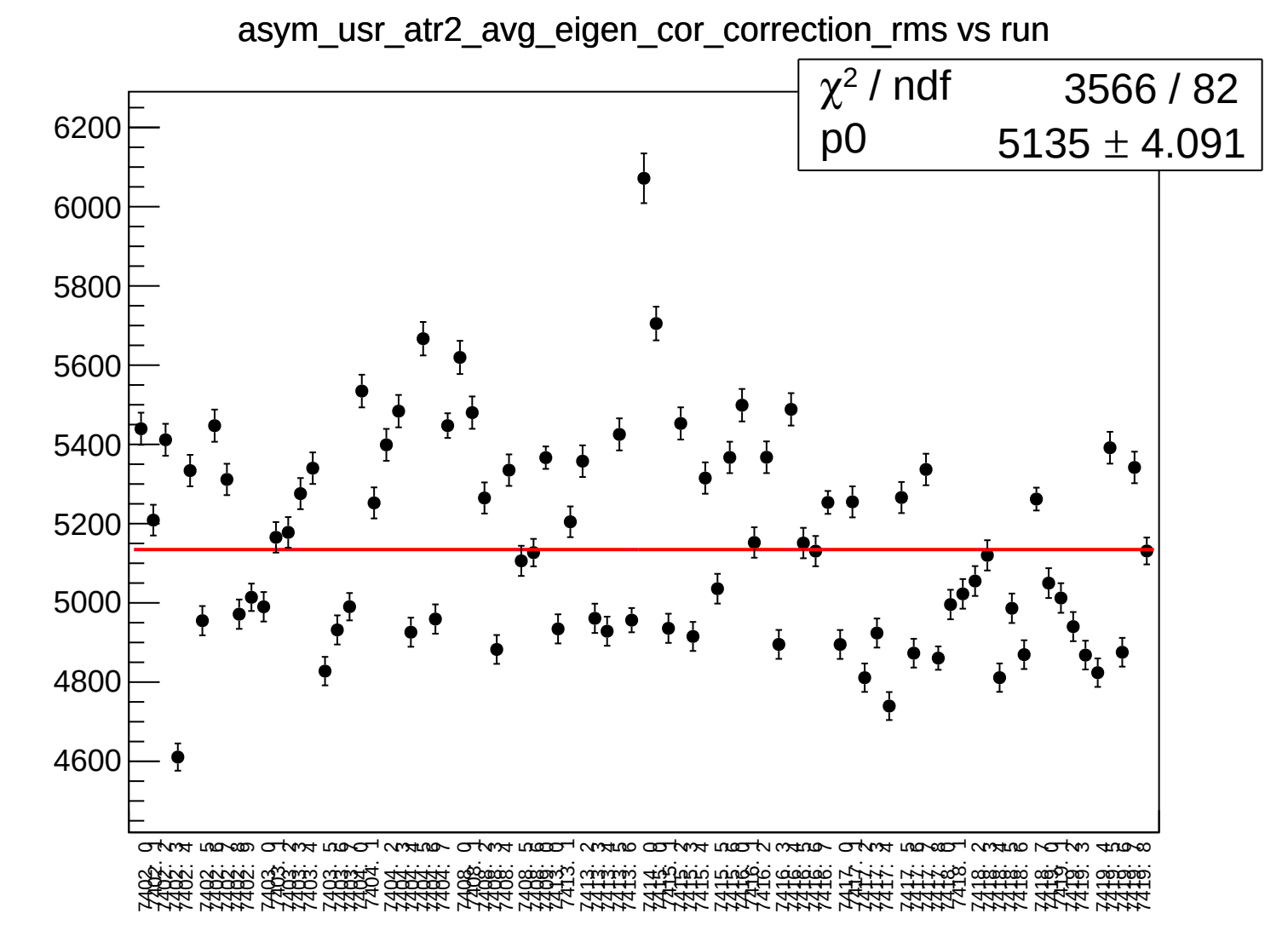

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 90.4 / 82
p0 2930 ± 1713
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 592.7
Std Dev 0
3
2
1
0
−1
−2

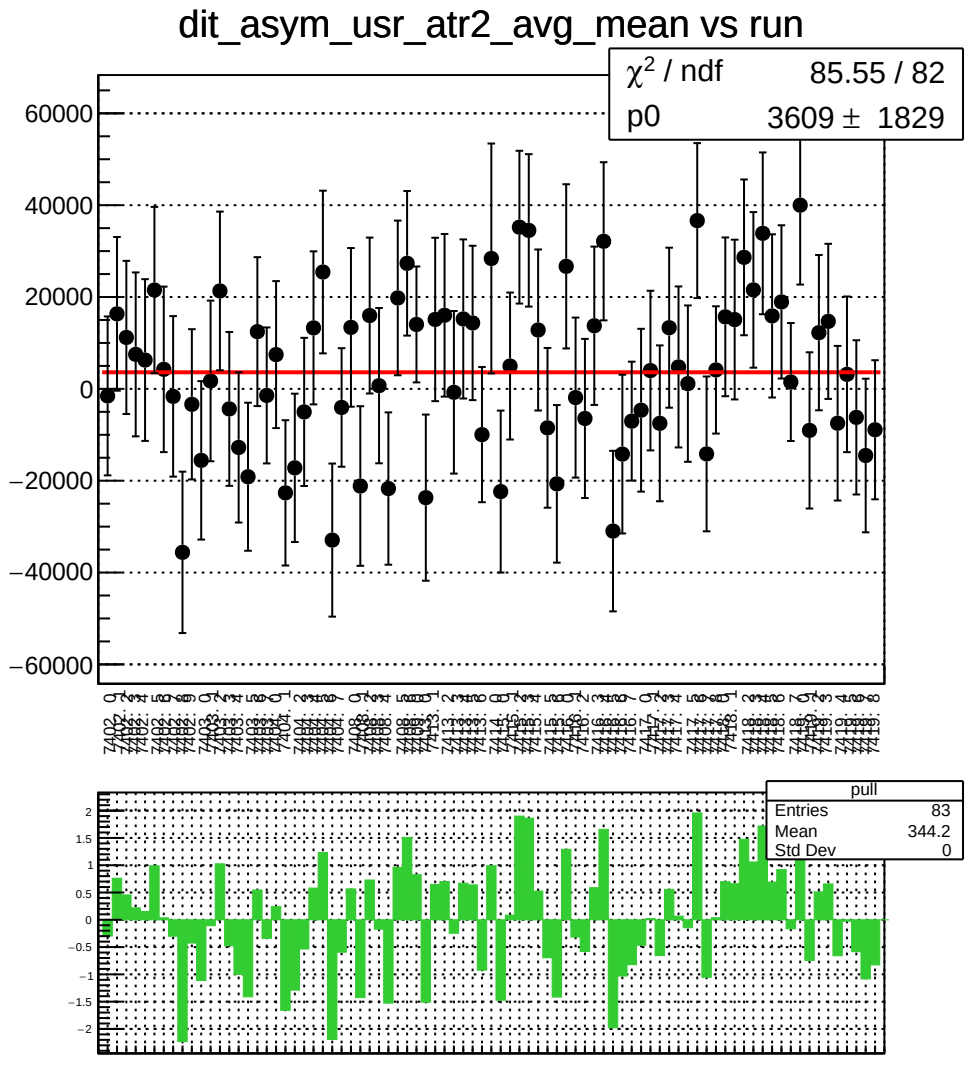

pull1D
Entries 83
Mean 0.006746
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

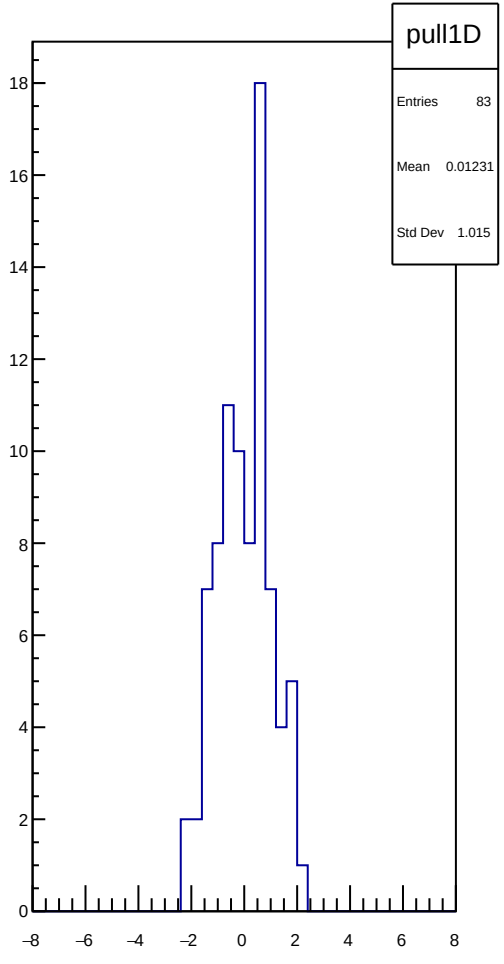

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 134.5 / 82
p0 1522 ± 1.211
1560
1540
1520
1500
1480

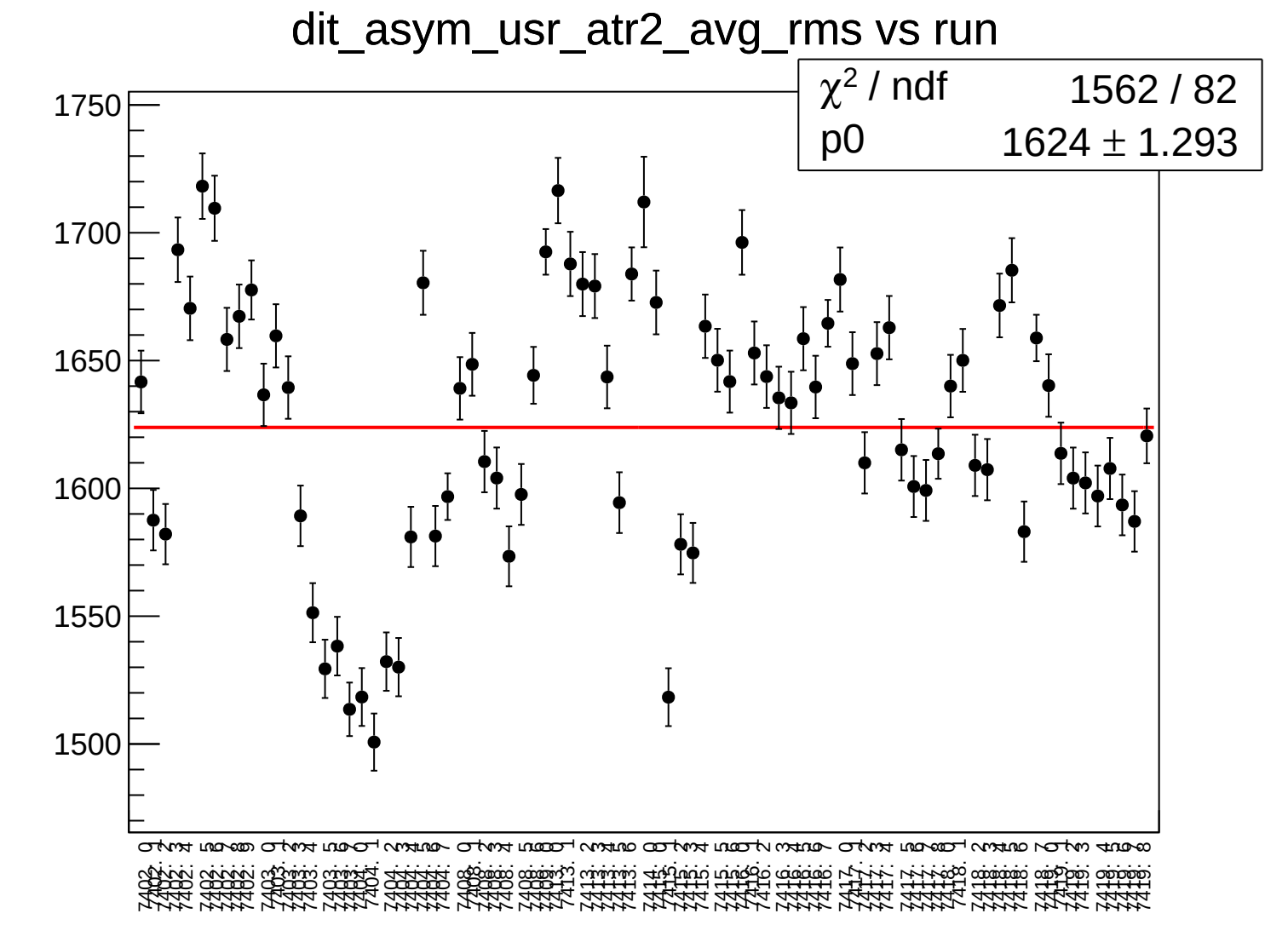

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 78.44 / 82
p0 1417 ± 5786
pull
Entries 83
Mean −566.3
Std Dev 0

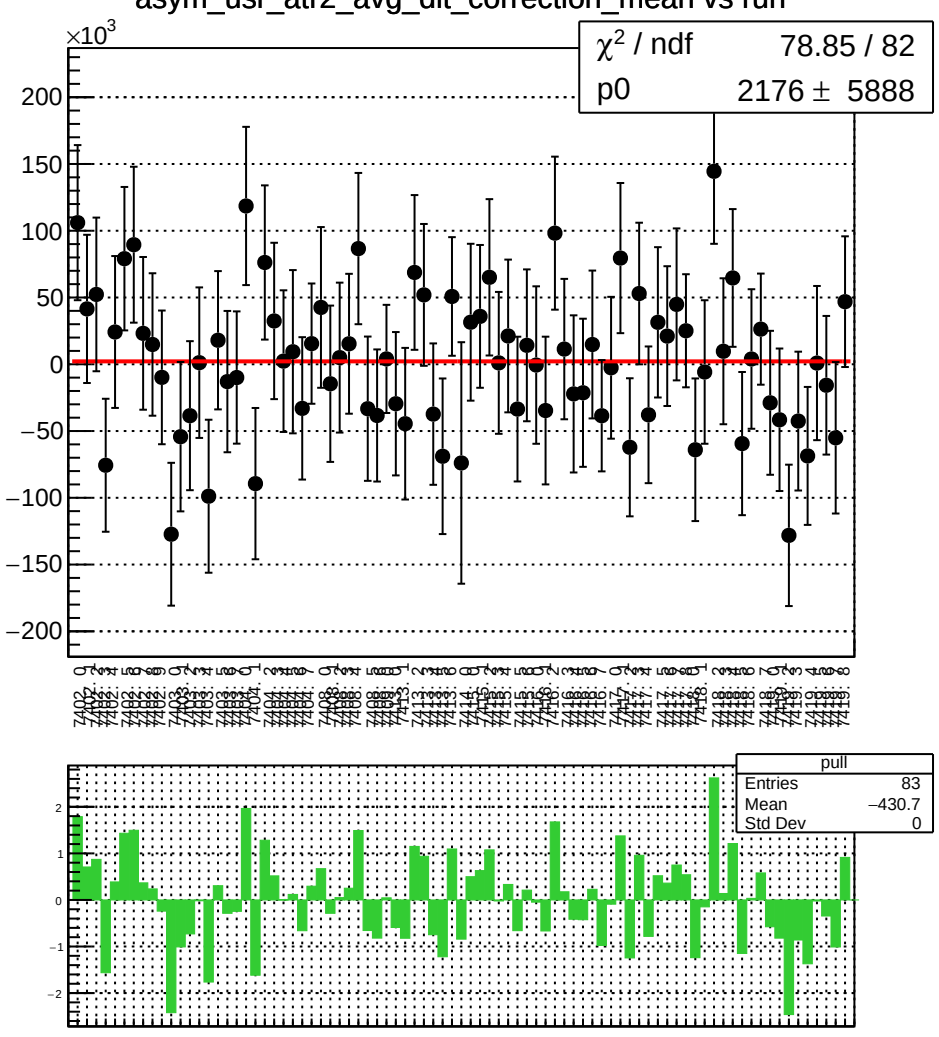

pull1D
Entries 83
Mean 0.004212
Std Dev 0.9721

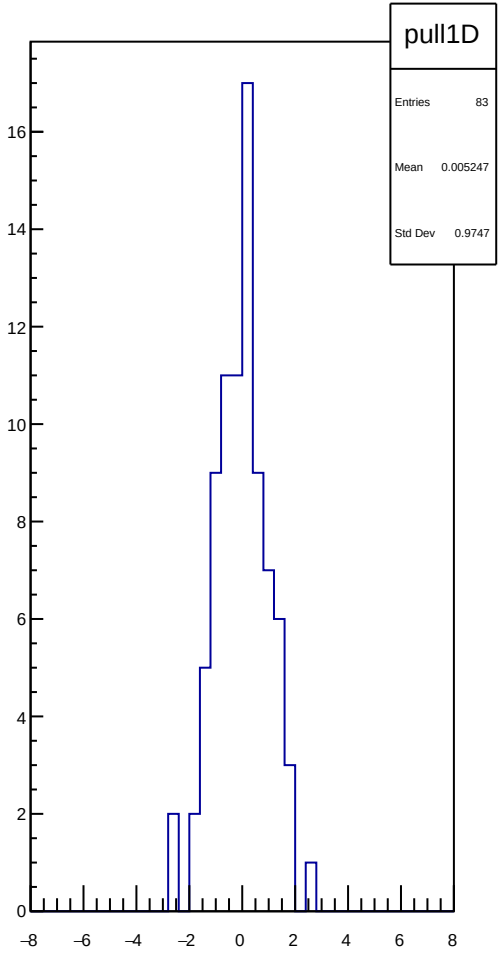

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3566 / 82
p0 5135 ± 4.091
6200
6000
5800
5600
5400
5200
5000
4800
4600

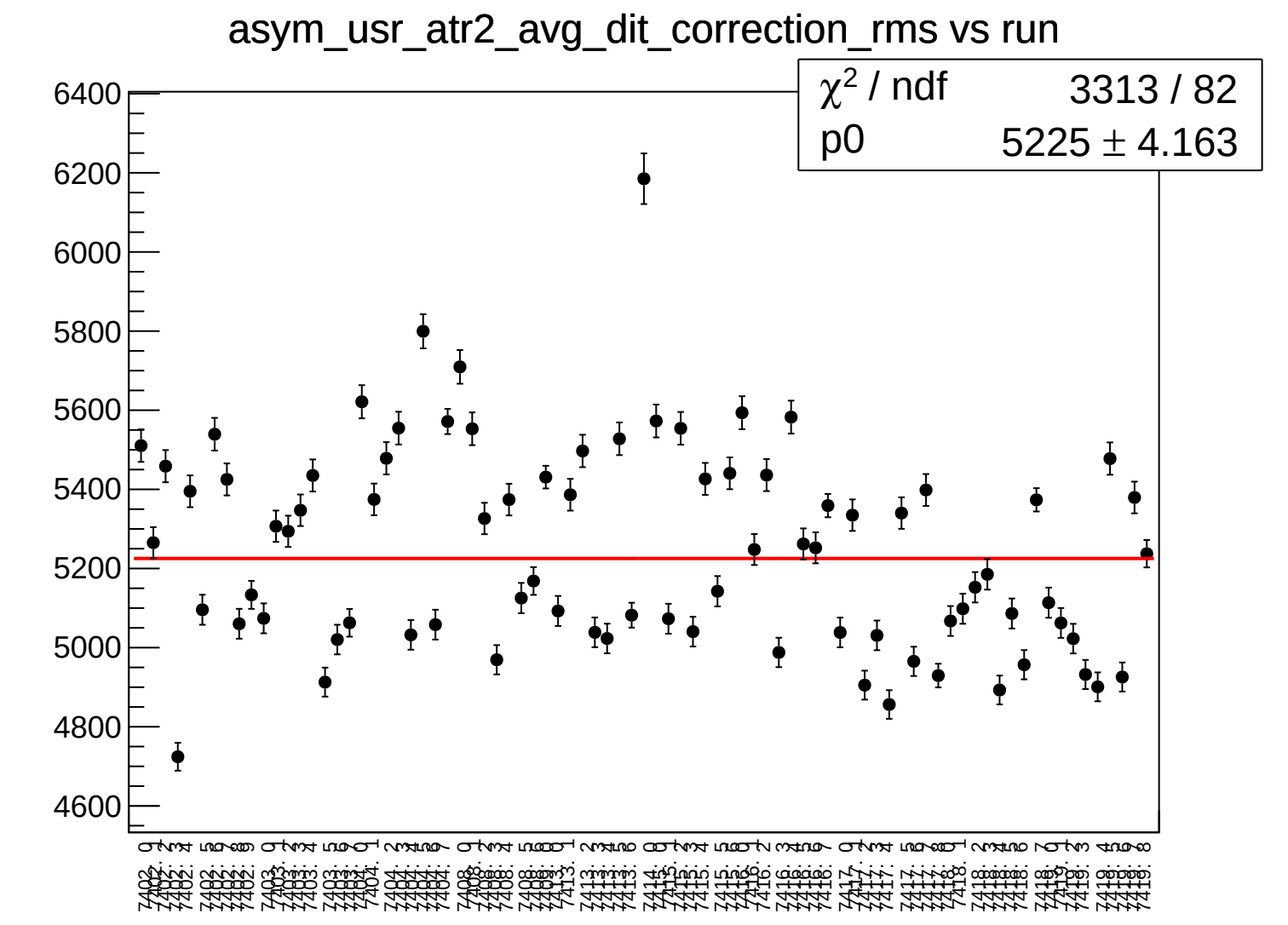

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 85.55 / 82
p0 3609 ± 1829
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 344.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

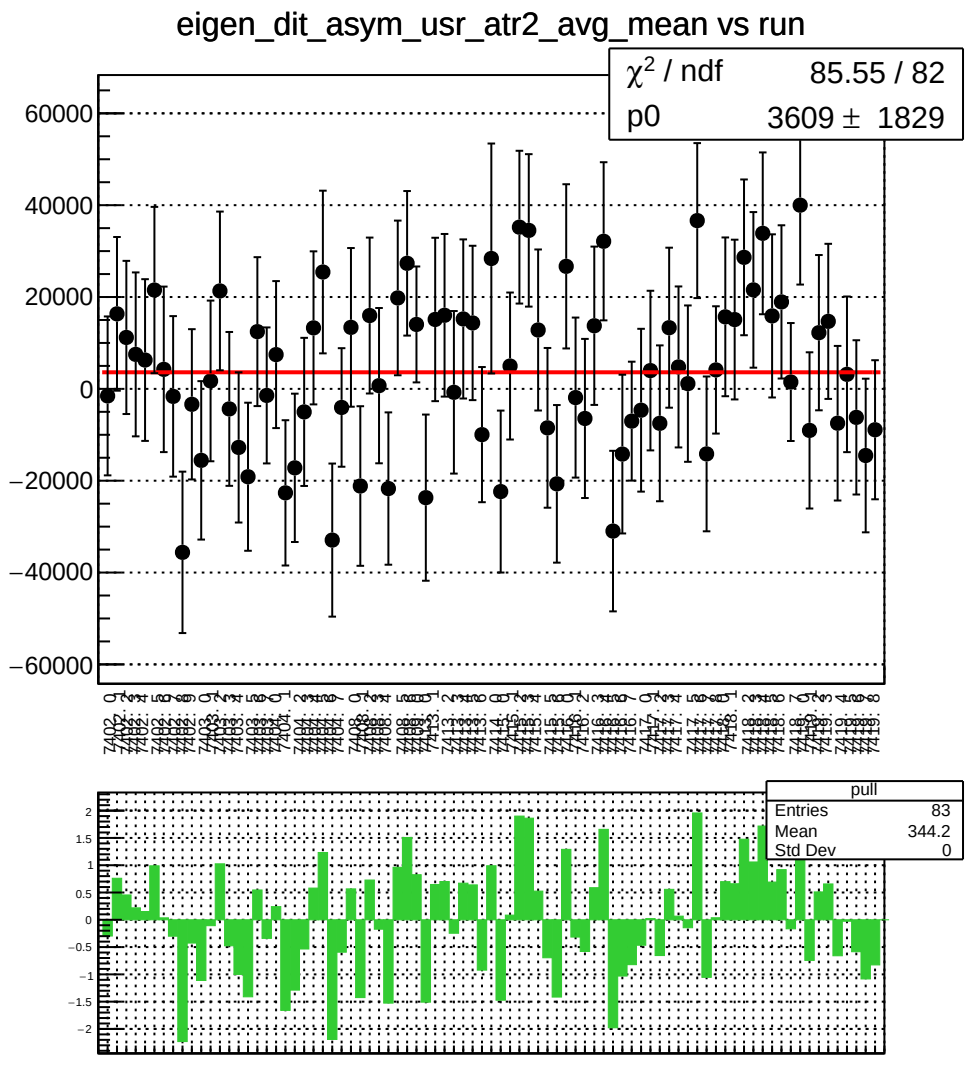

pull1D
Entries 83
Mean 0.01231
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

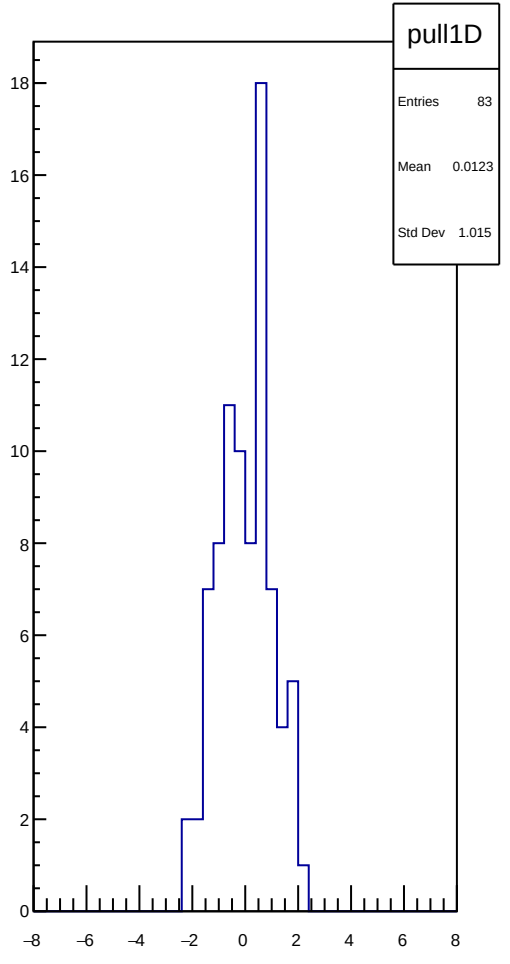

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 1562 / 82
p0 1624 ± 1.293
1750
1700
1650
1600
1550
1500

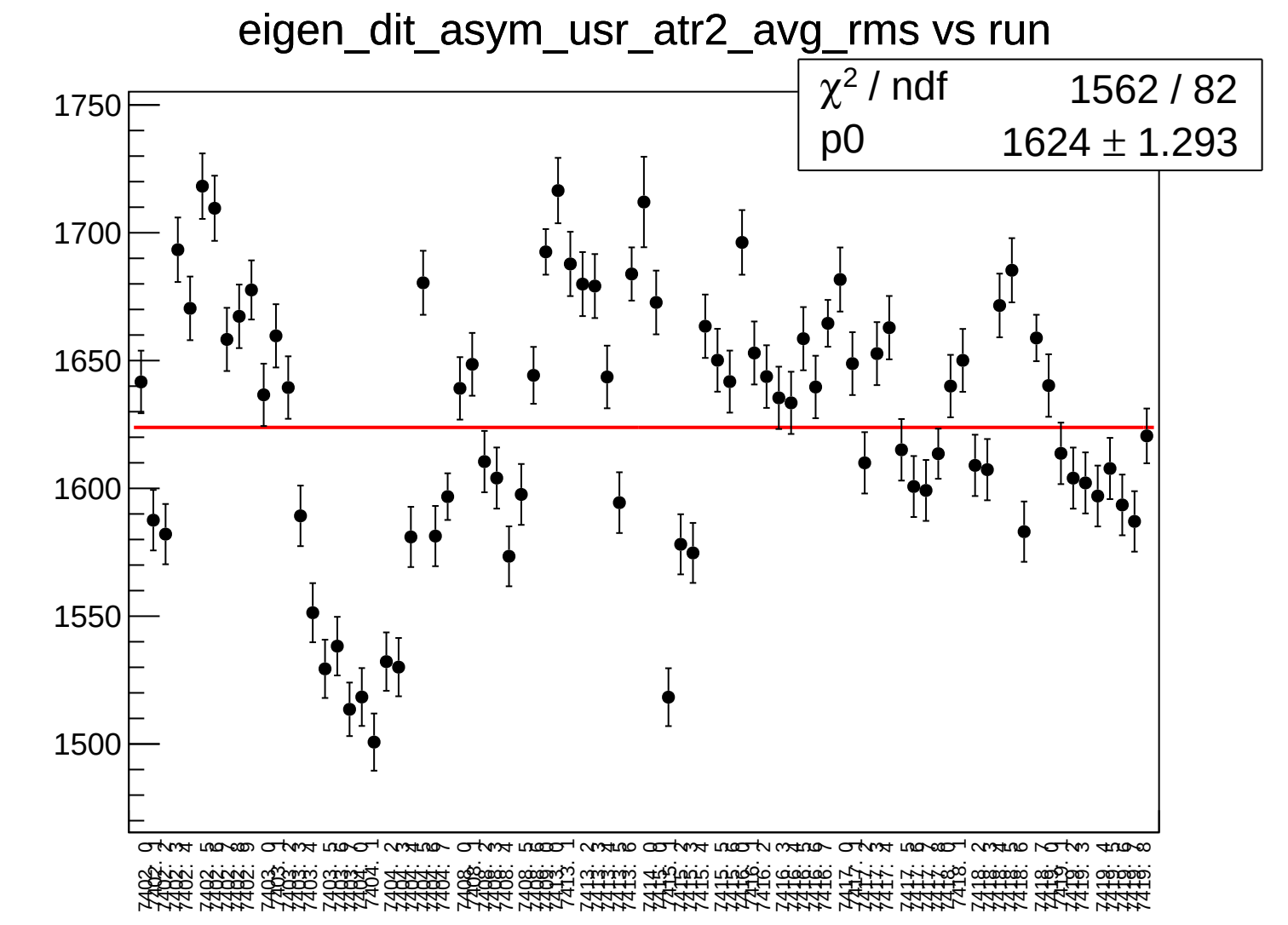

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 78.85 / 82
p0 2176 ± 5888
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −430.7
Std Dev 0
2
1
0
−1
−2

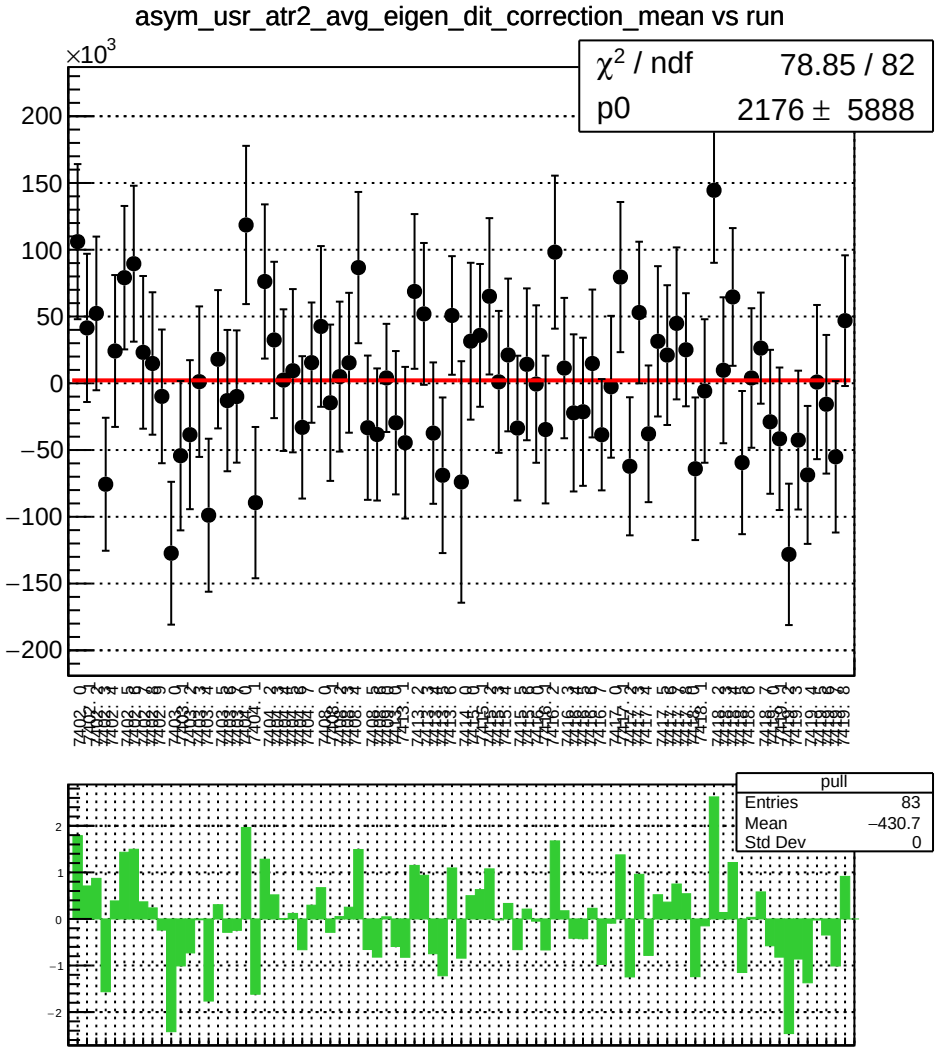

pull1D
Entries 83
Mean 0.005247
Std Dev 0.9747
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

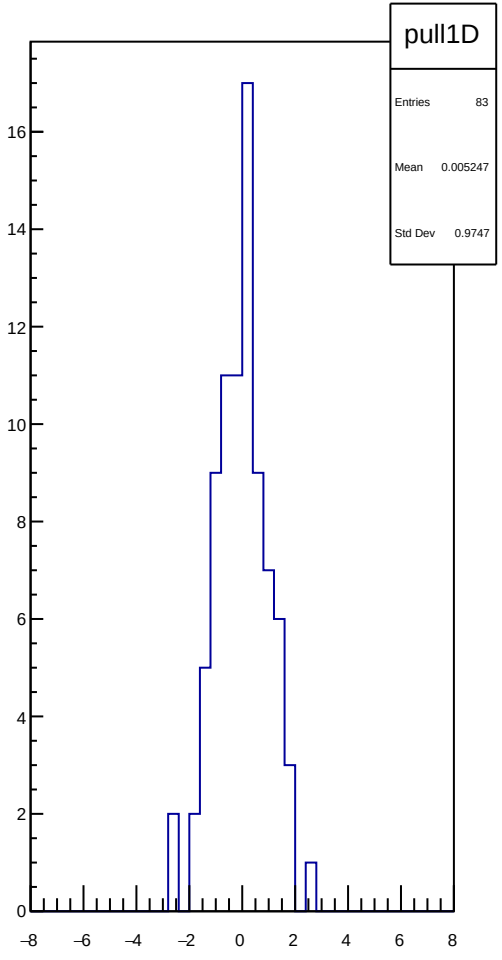

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 3313 / 82
p0 5225 ± 4.163
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

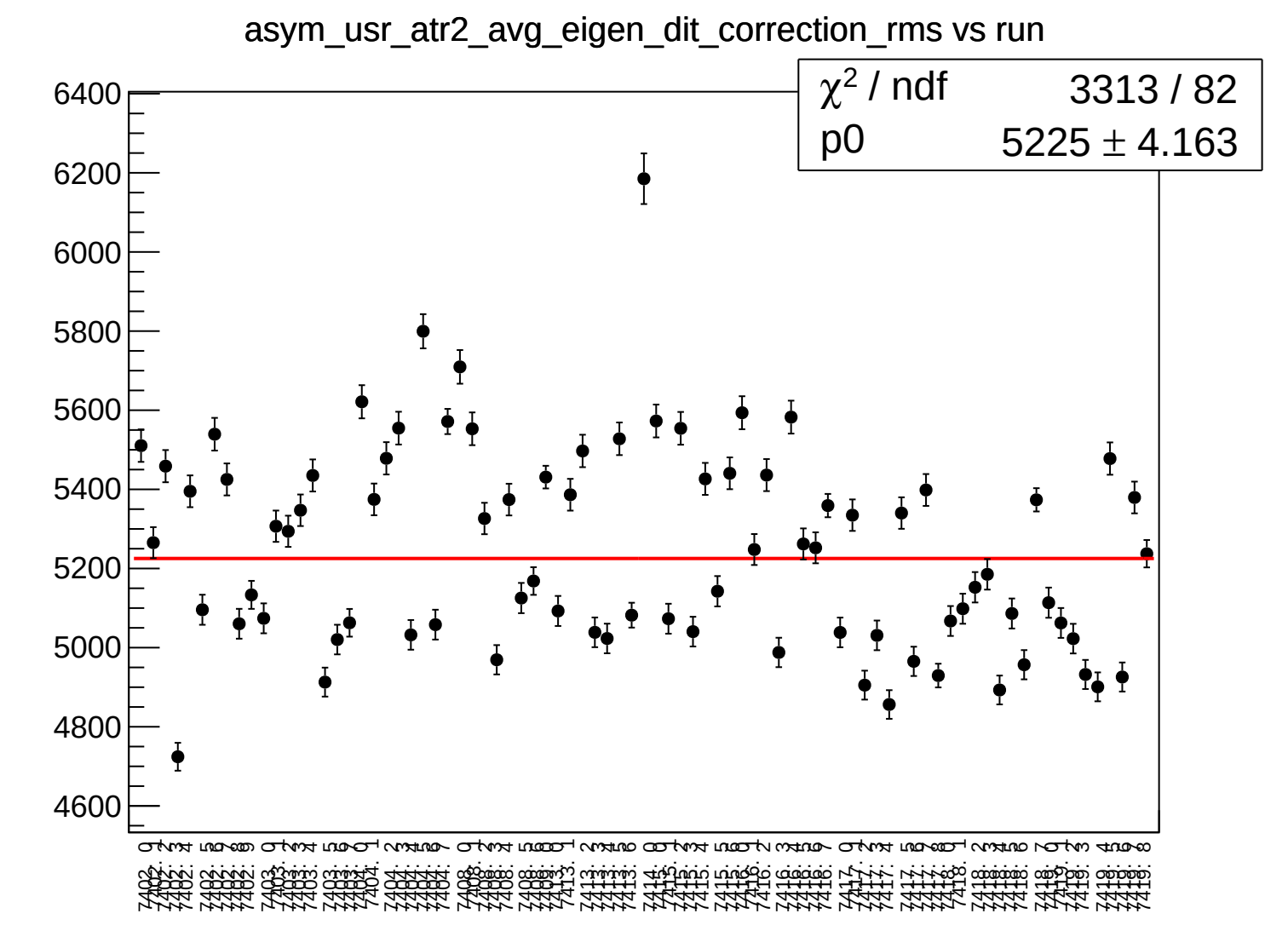

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 85.55 / 82
p0 3609 ± 1829
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 344.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

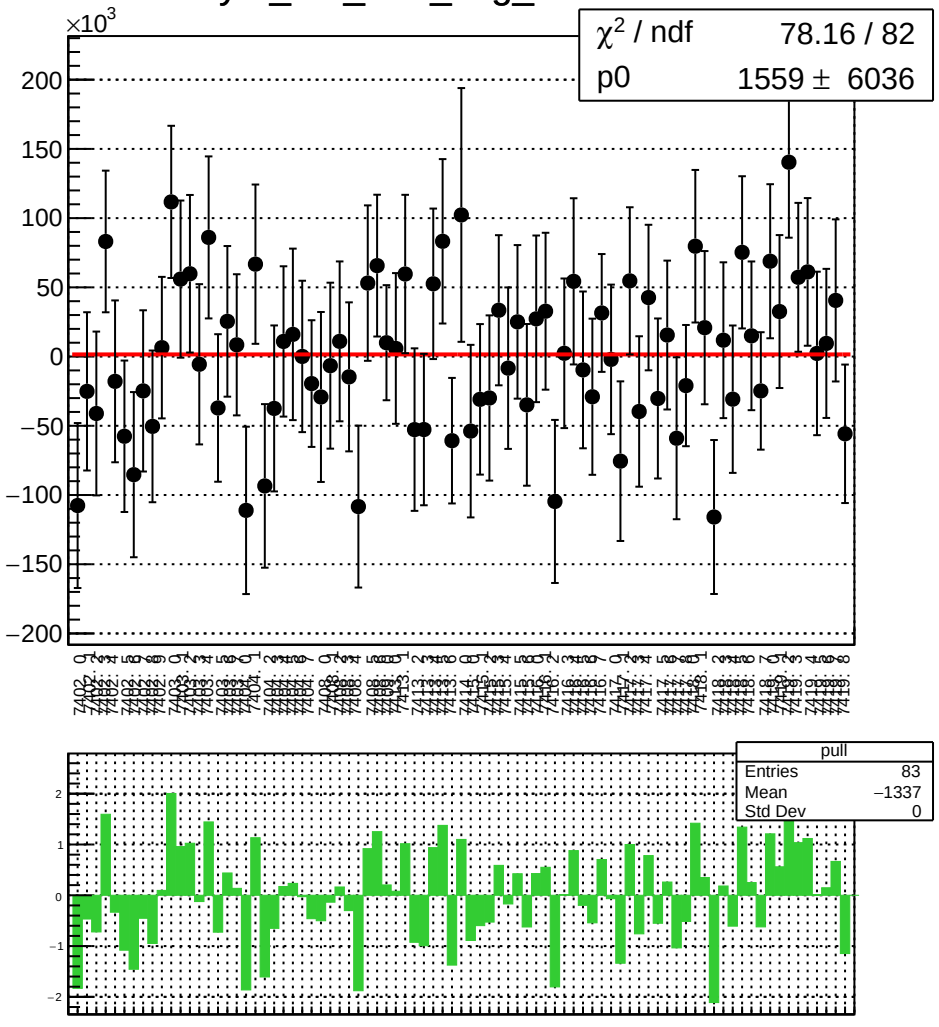

pull1D
Entries 83
Mean 0.0123
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

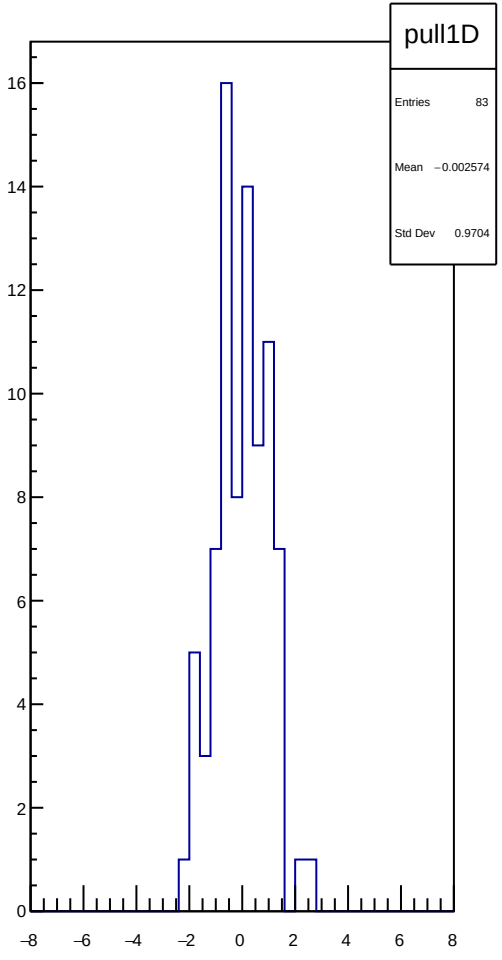

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 1562 / 82
p0 1624 ± 1.293
1750
1700
1650
1600
1550
1500

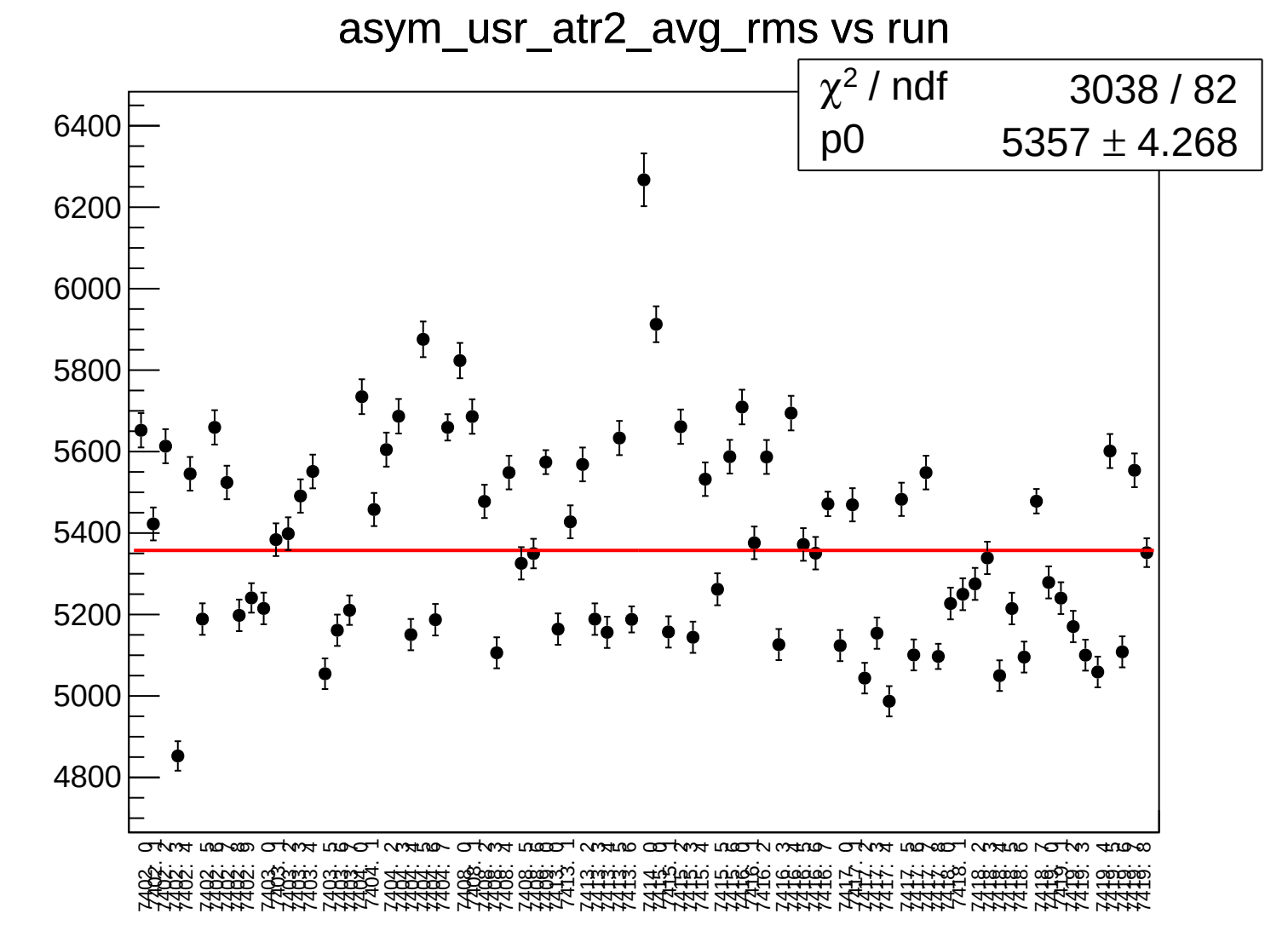

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 78.85 / 82
p0 2176 ± 5888
pull
Entries 83
Mean −430.7
Std Dev 0

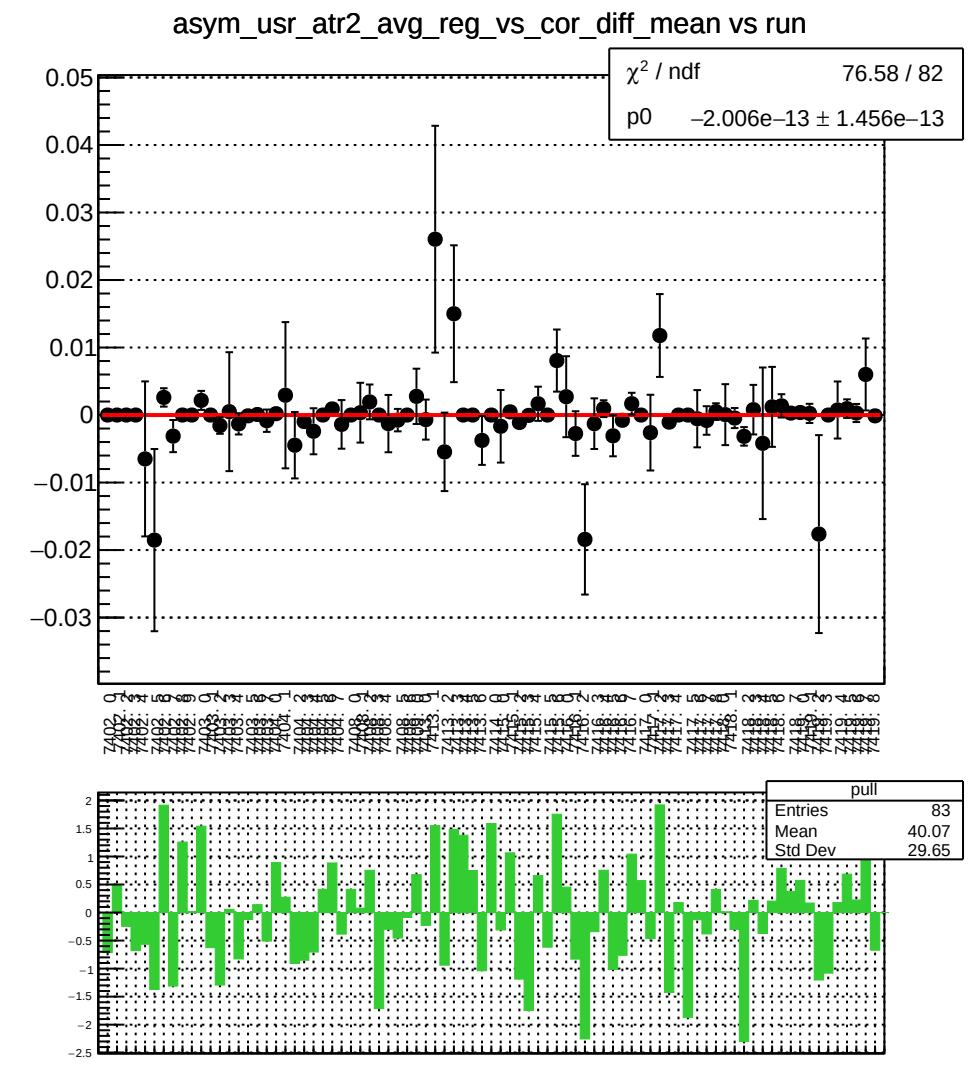

pull1D
Entries 83
Mean 0.005247
Std Dev 0.9747

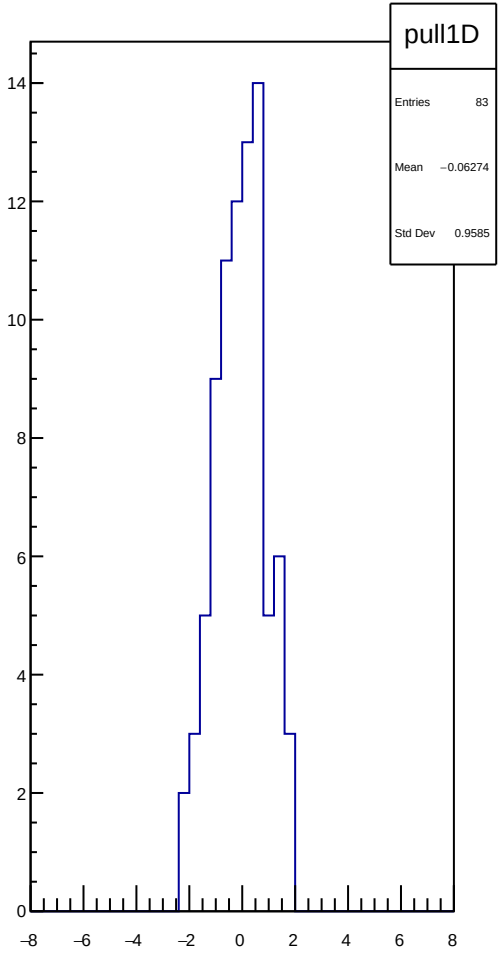

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3313 / 82
p0 5225 ± 4.163
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

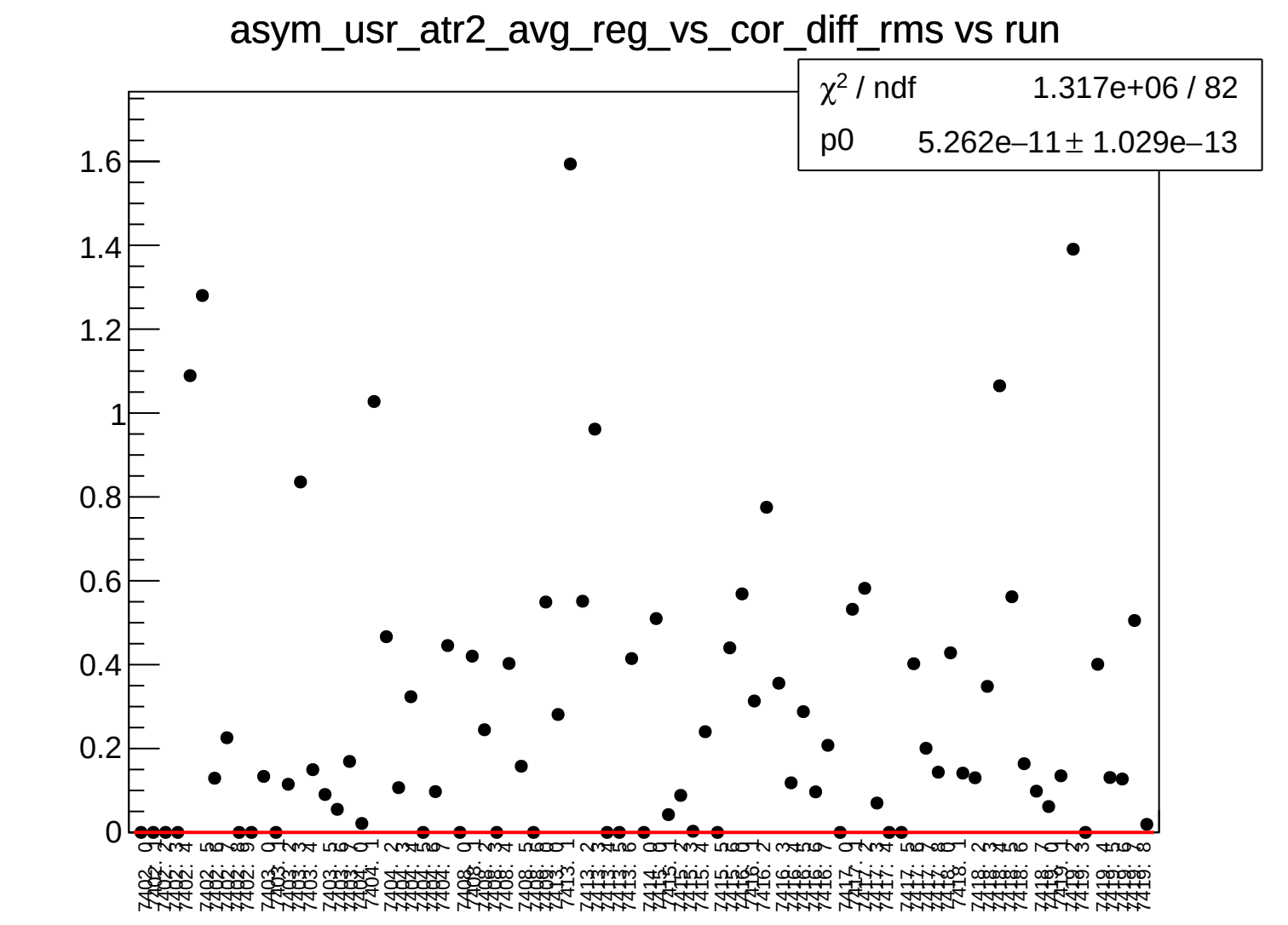

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 78.16 / 82
p0 1559 ± 6036
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean −1337
Std Dev 0
2
1
0
−1
−2

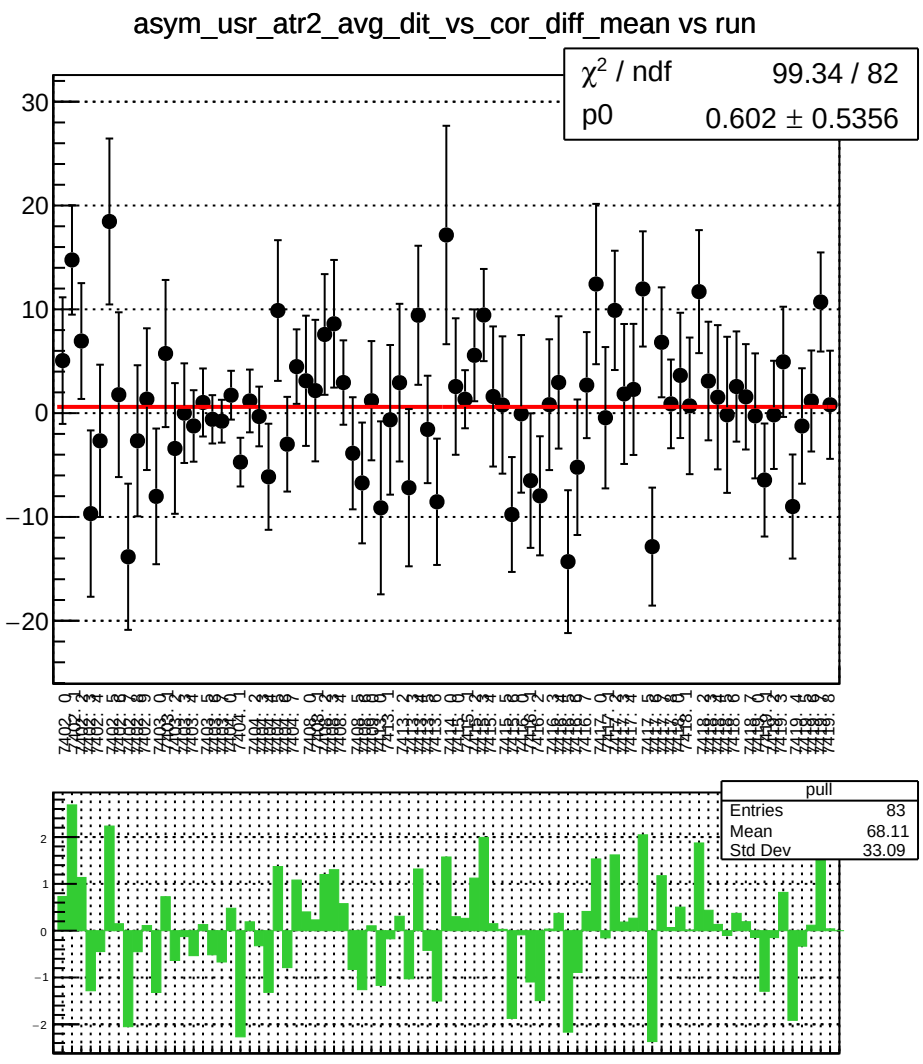

pull1D
Entries 83
Mean −0.002574
Std Dev 0.9704
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

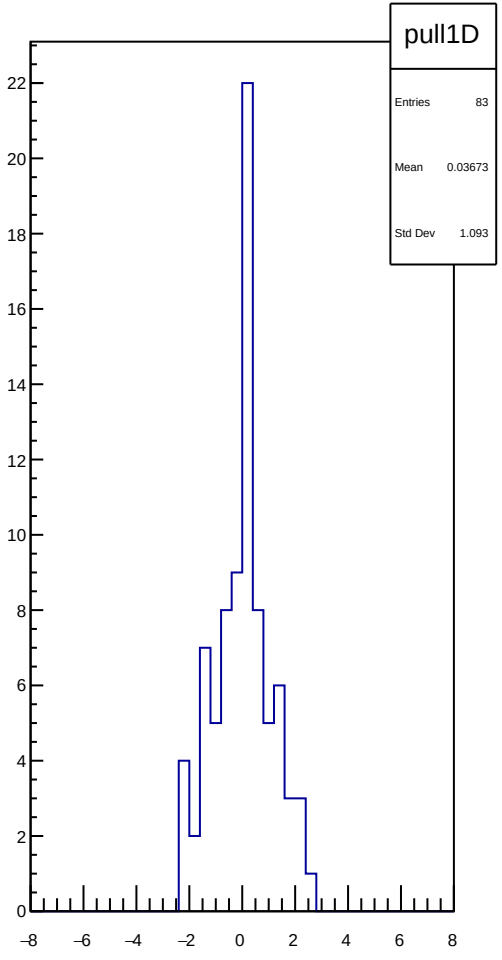

asym_usr_atr2_avg_rms vs run
χ^2 / ndf 3038 / 82
p0 5357 ± 4.268
6400
6200
6000
5800
5600
5400
5200
5000
4800

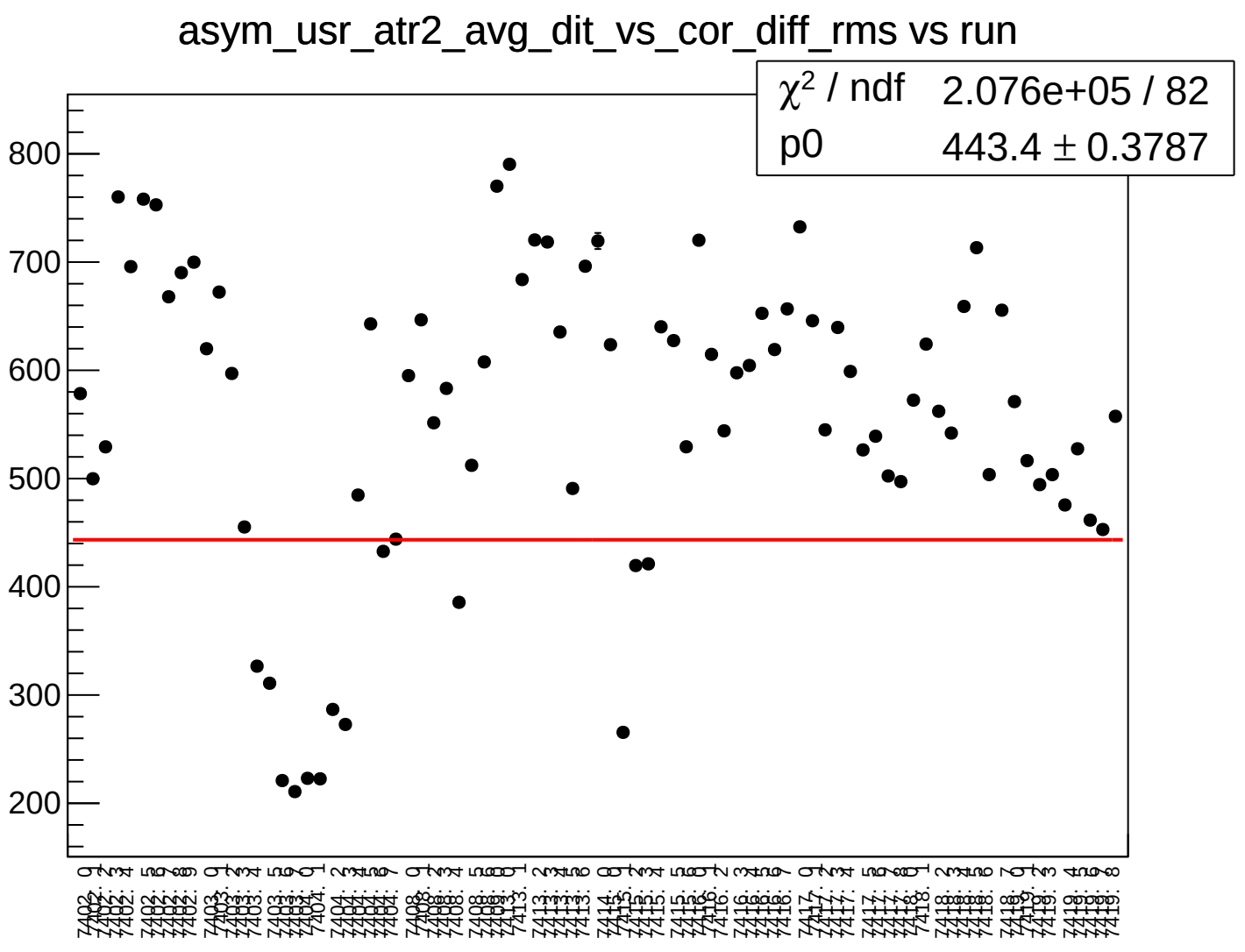

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 76.58 / 82
p0 −2.006e−13 ± 1.456e−13
pull
Entries 83
Mean 40.07
Std Dev 29.65

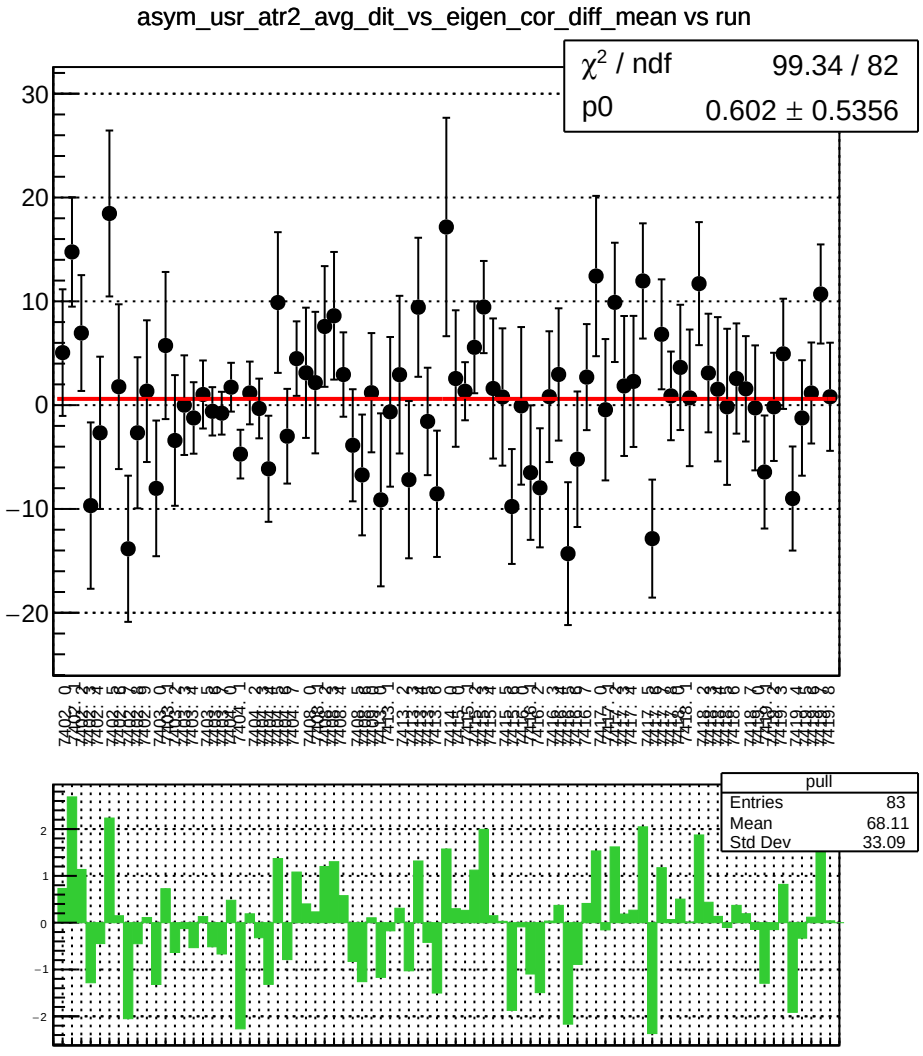

pull1D
Entries 83
Mean −0.06274
Std Dev 0.9585

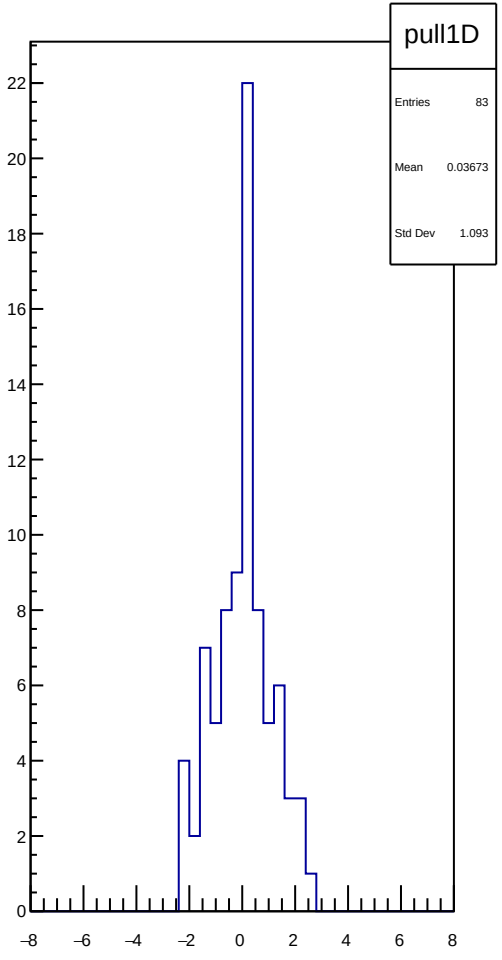

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.317e+06 / 82
p0 5.262e−11 ± 1.029e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

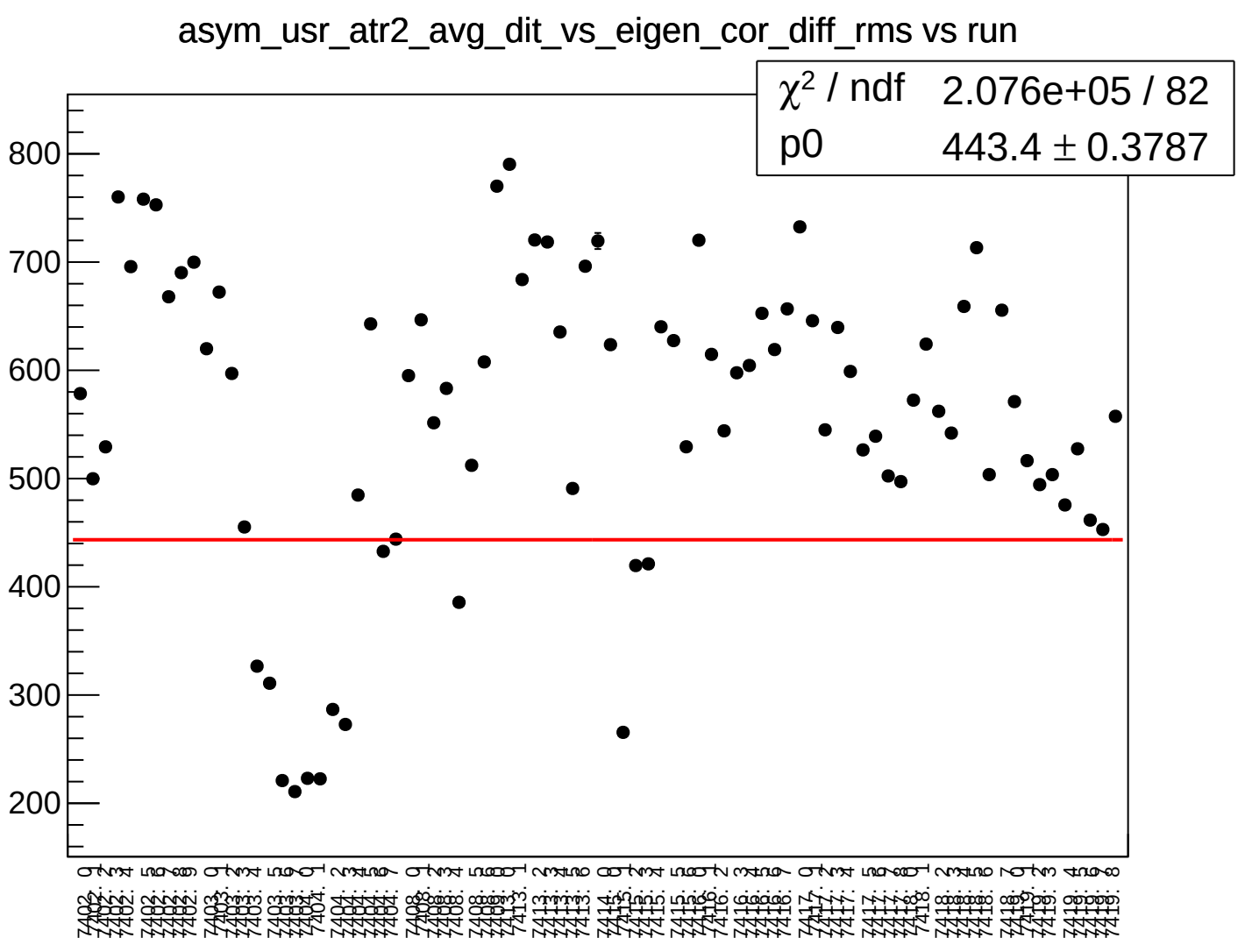

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 99.34 / 82
p0 0.602 ± 0.5356
pull
Entries 83
Mean 68.11
Std Dev 33.09

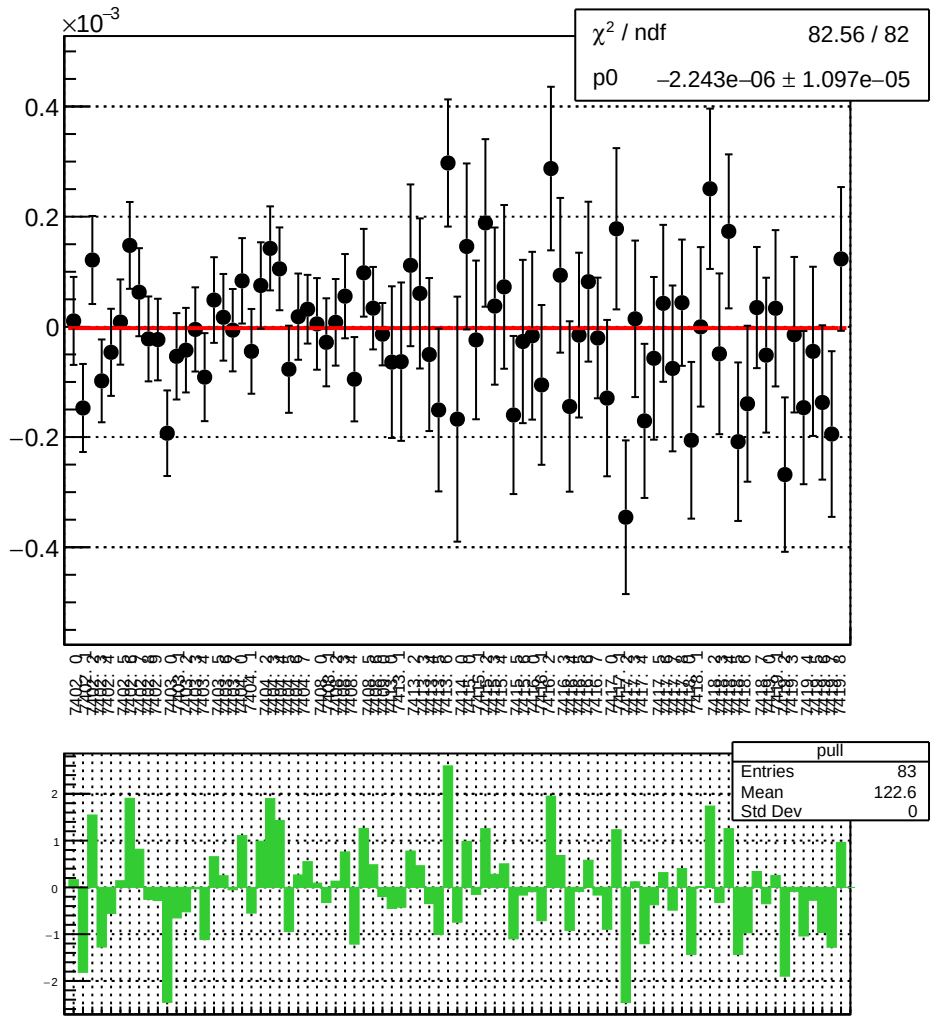

pull1D
Entries 83
Mean 0.03673
Std Dev 1.093

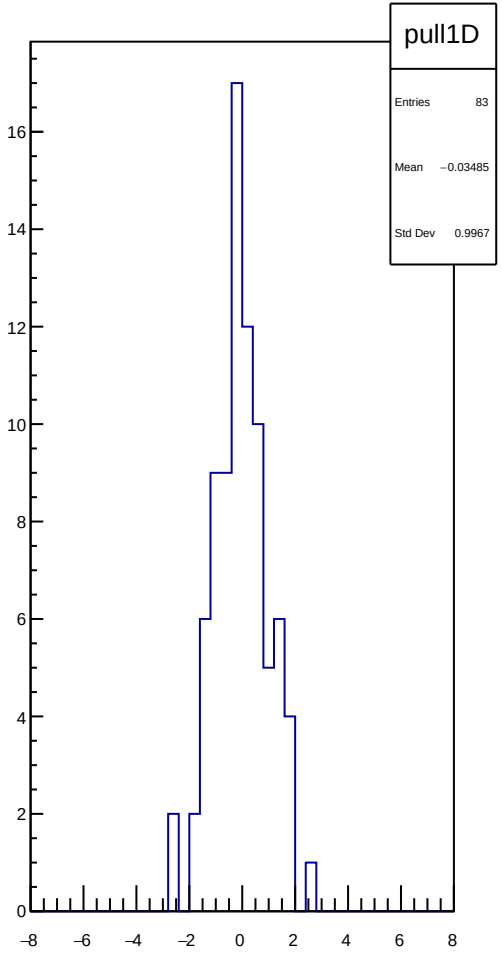

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.076e+05 / 82
p0 443.4 ± 0.3787
800
700
600
500
400
300
200

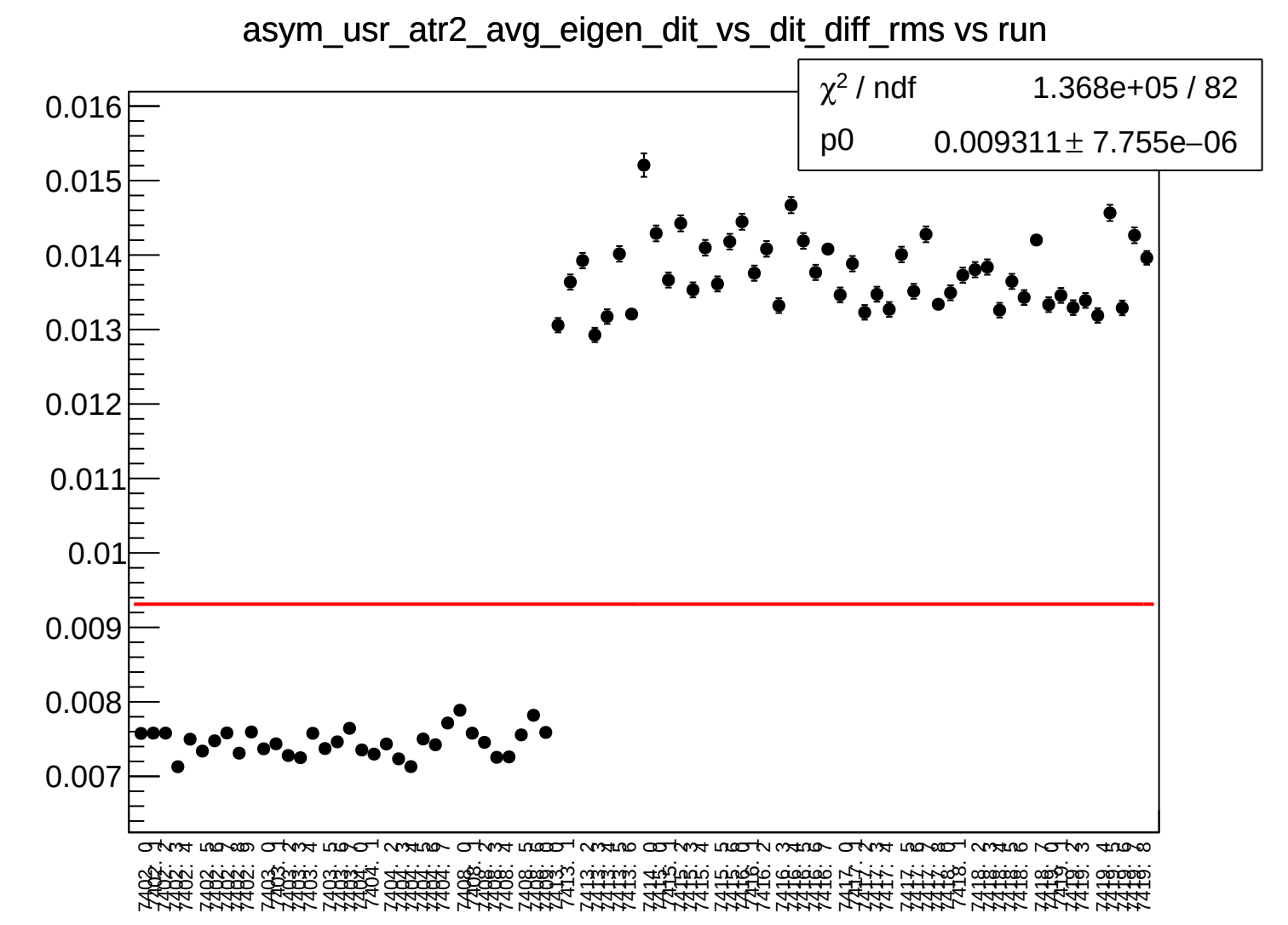

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.34 / 82
p0 0.602 ± 0.5356
pull
Entries 83
Mean 68.11
Std Dev 33.09

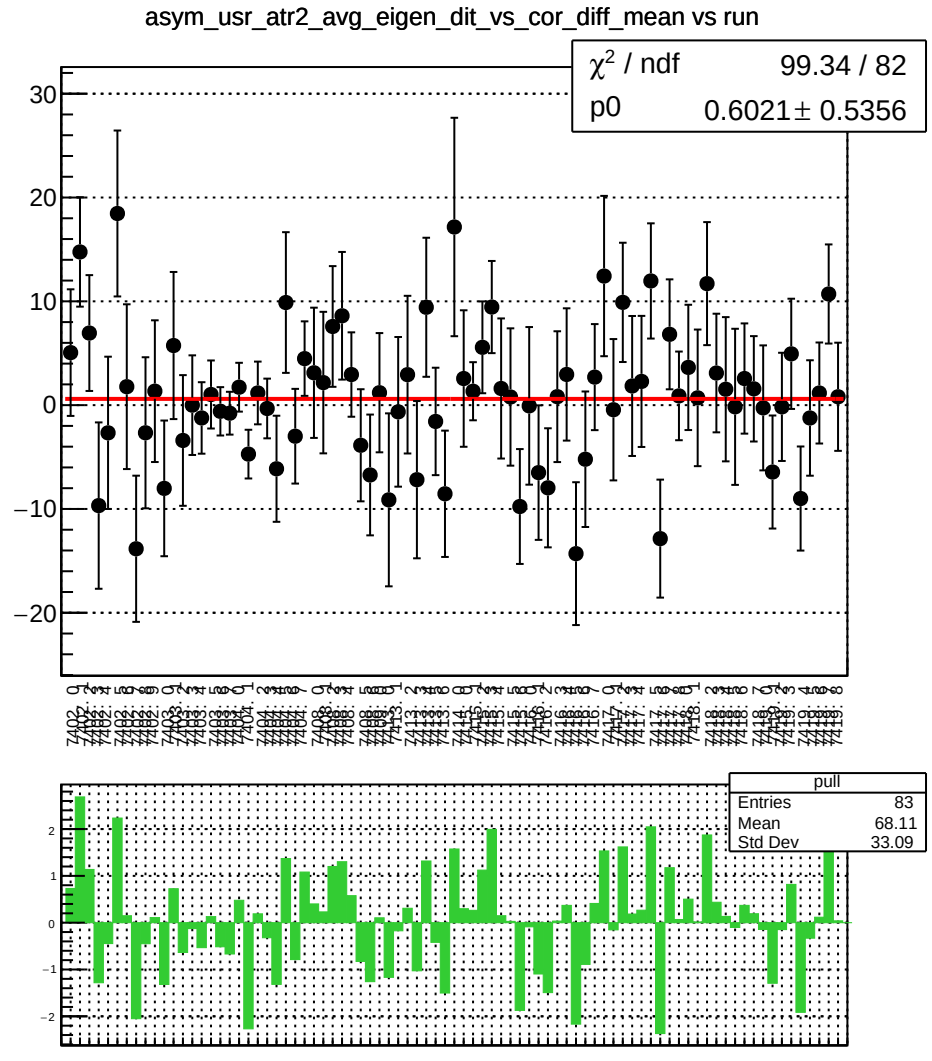

pull1D
Entries 83
Mean 0.03673
Std Dev 1.093

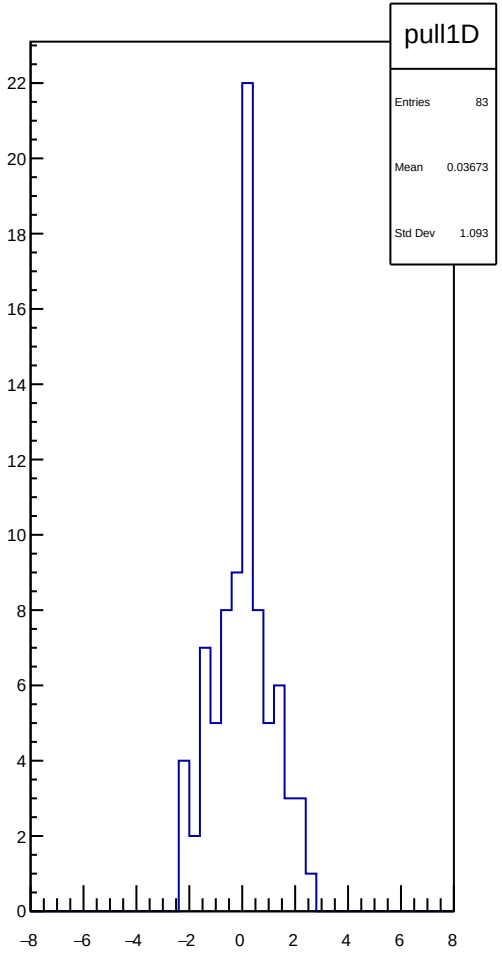

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.076e+05 / 82
p0 443.4 ± 0.3787
800
700
600
500
400
300
200

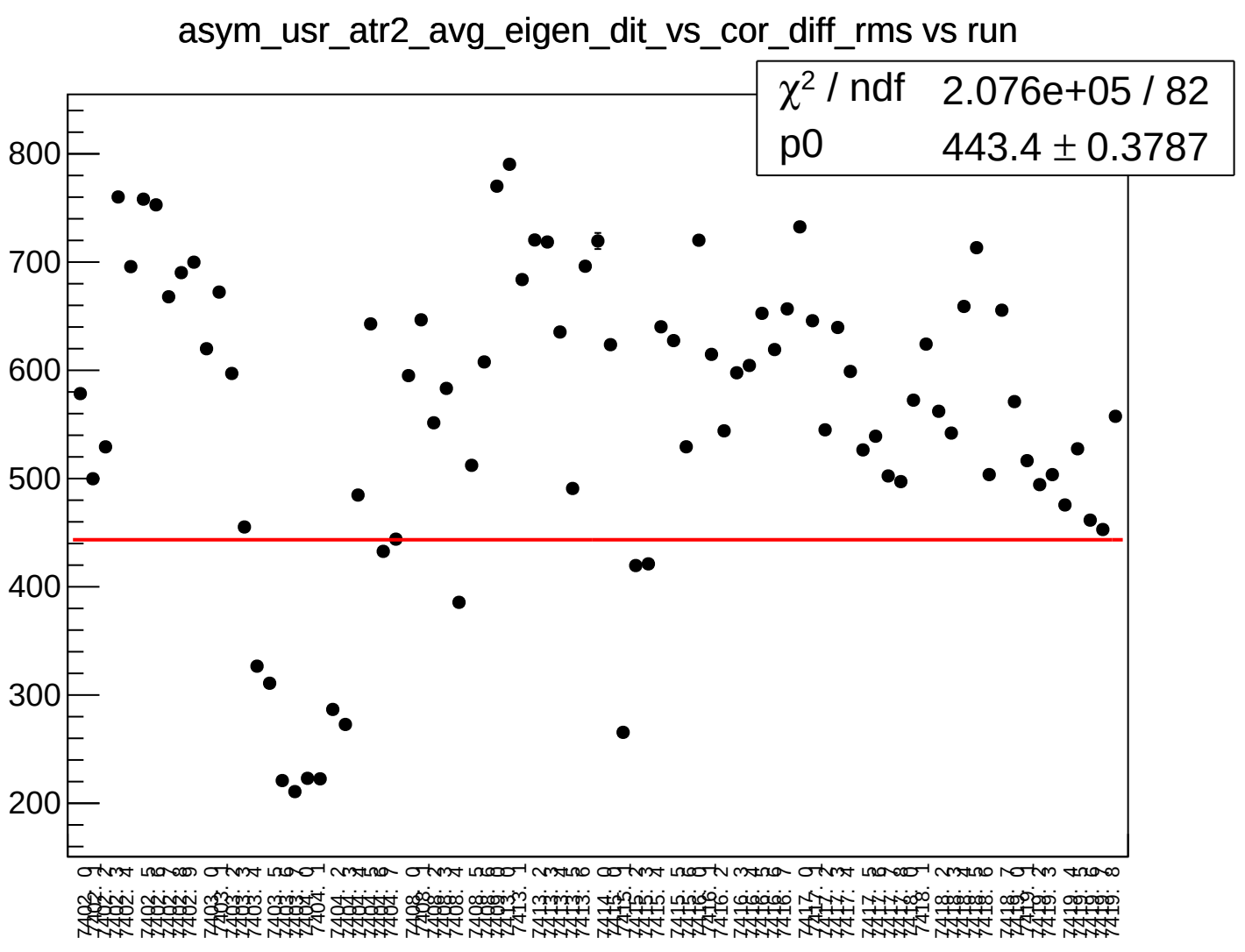

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.56 / 82
p0 −2.243e−06 ± 1.097e−05
pull
Entries 83
Mean 122.6
Std Dev 0

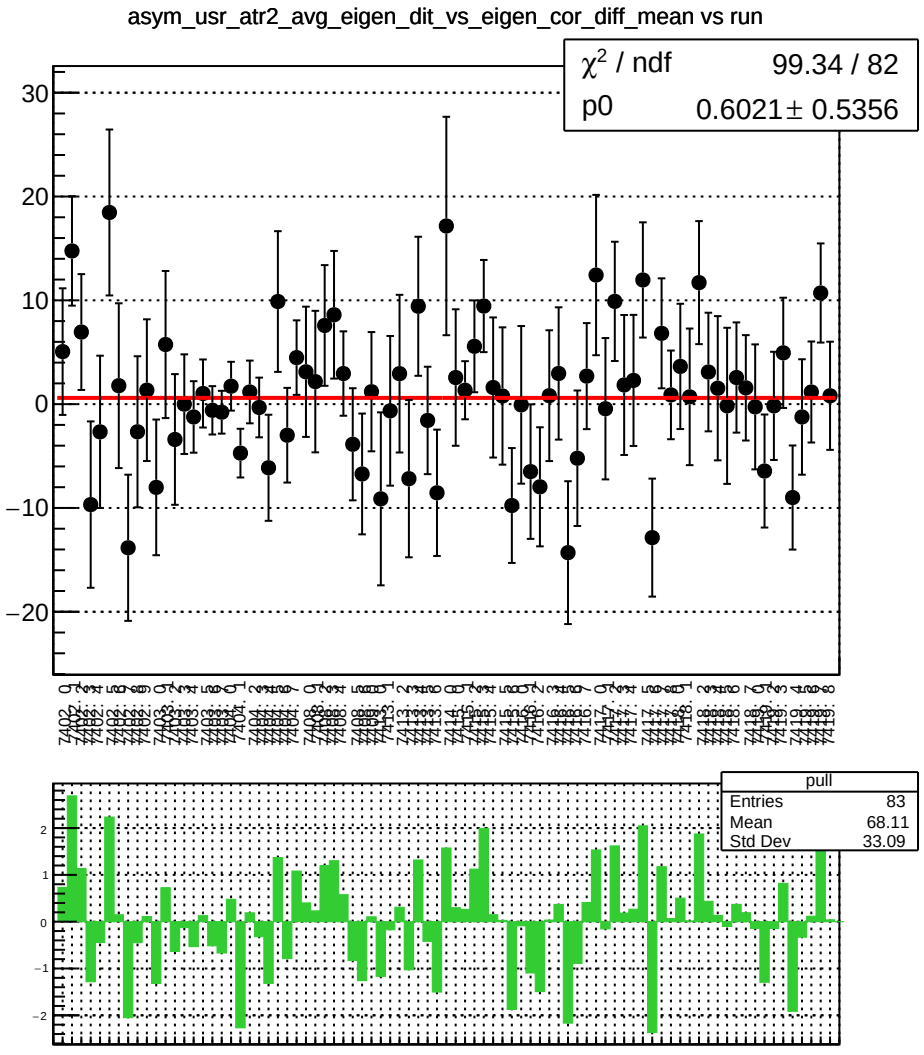

pull1D
Entries 83
Mean −0.03485
Std Dev 0.9967

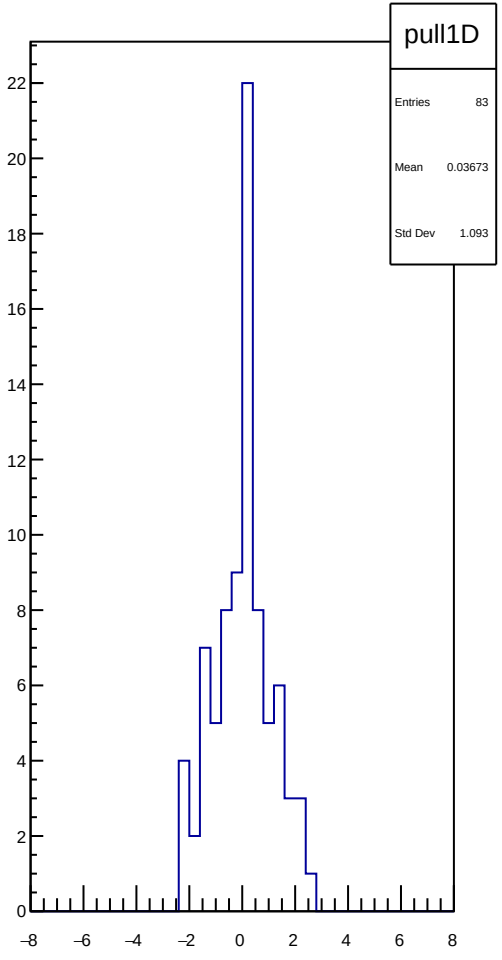

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.368e+05 / 82
p0 0.009311 ± 7.755e−06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

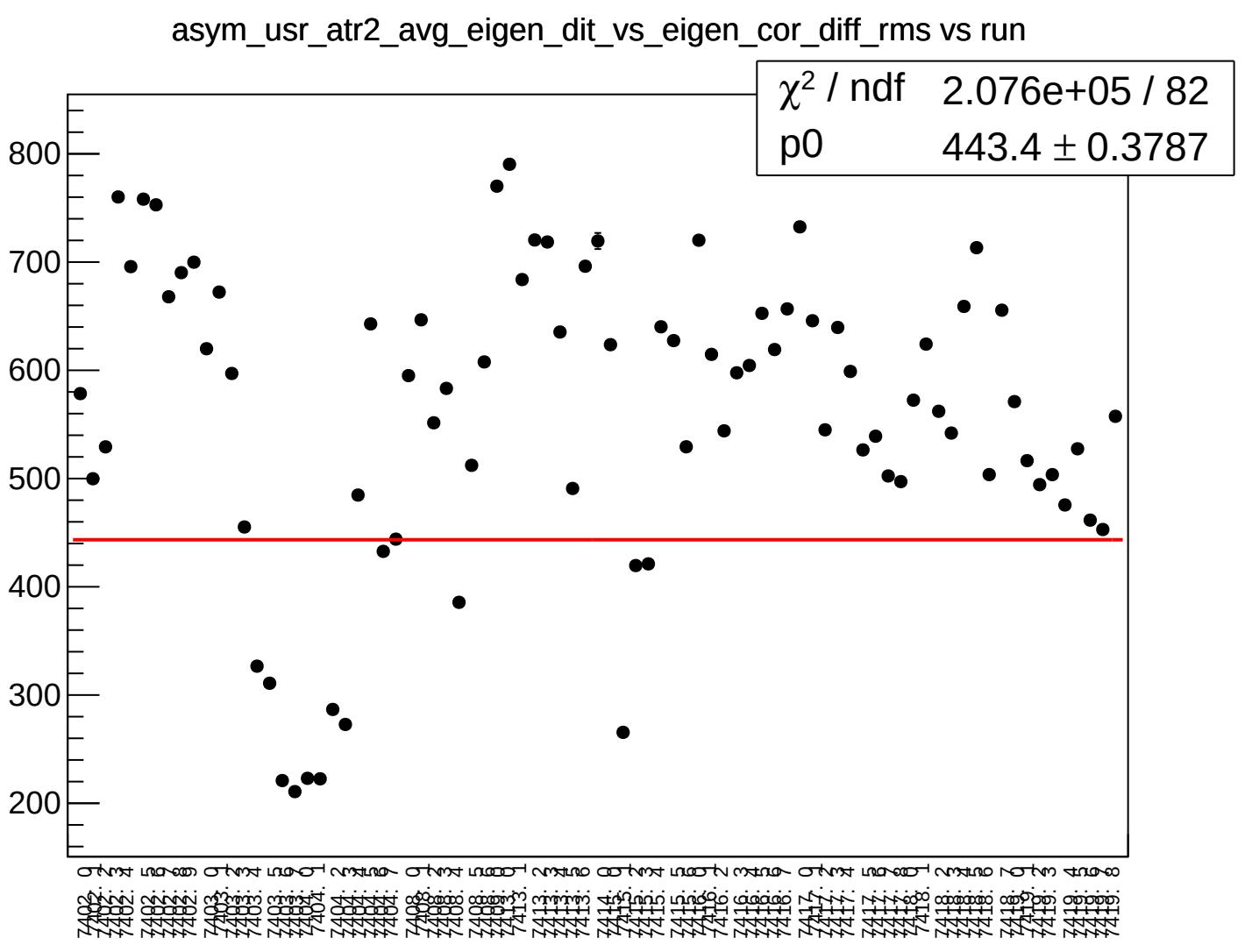

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.34 / 82
p0 0.6021 ± 0.5356
pull
Entries 83
Mean 68.11
Std Dev 33.09

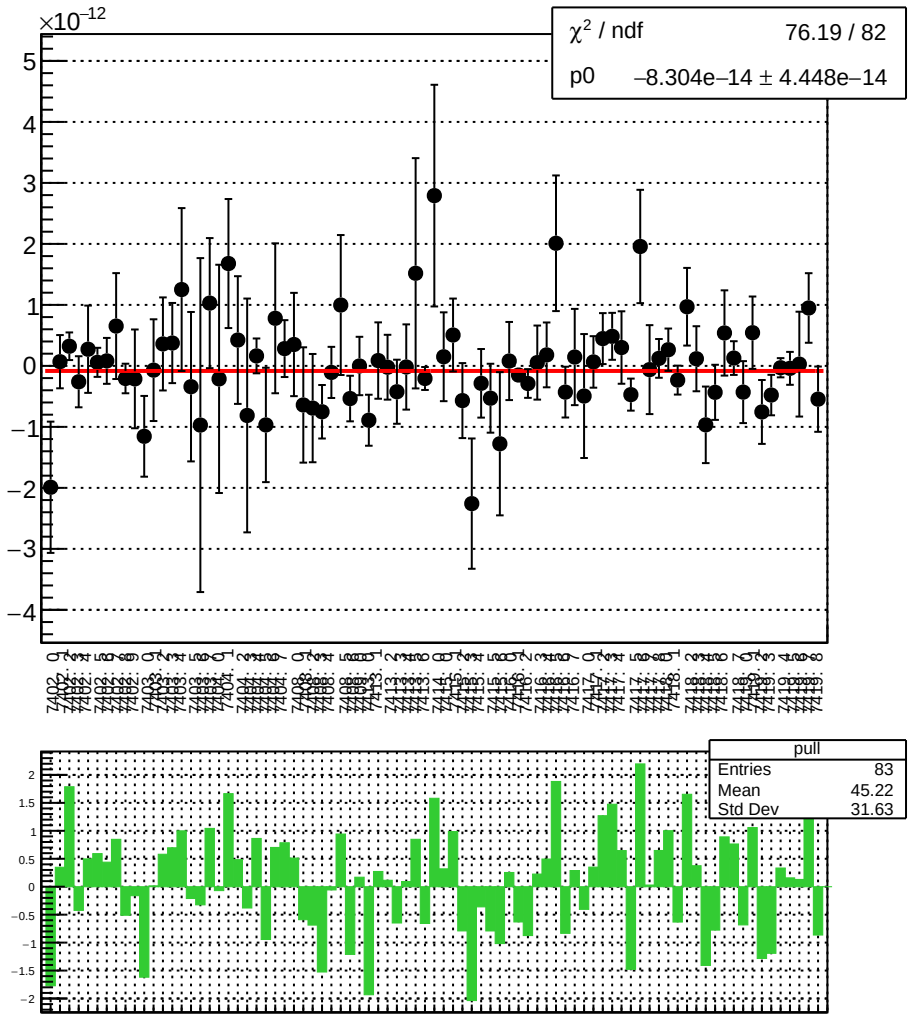

pull1D
Entries 83
Mean 0.03673
Std Dev 1.093

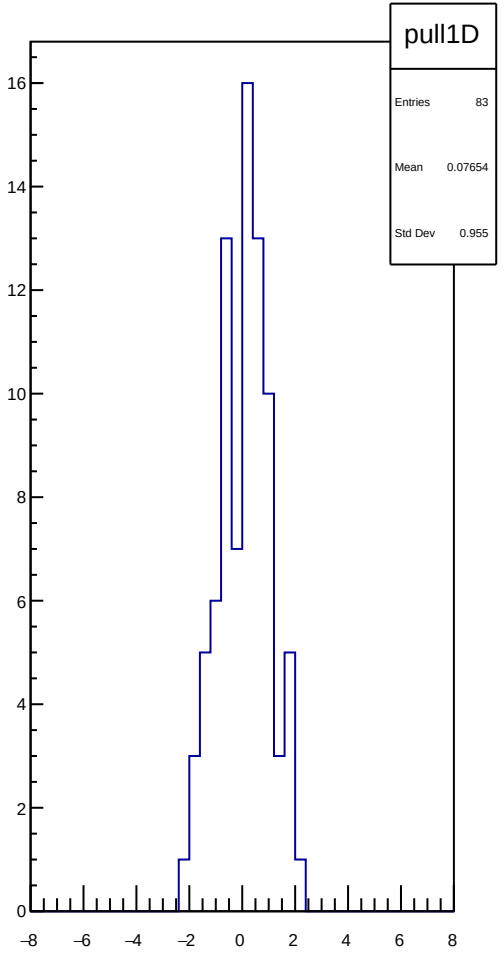

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.076e+05 / 82
p0 443.4 ± 0.3787
800
700
600
500
400
300
200

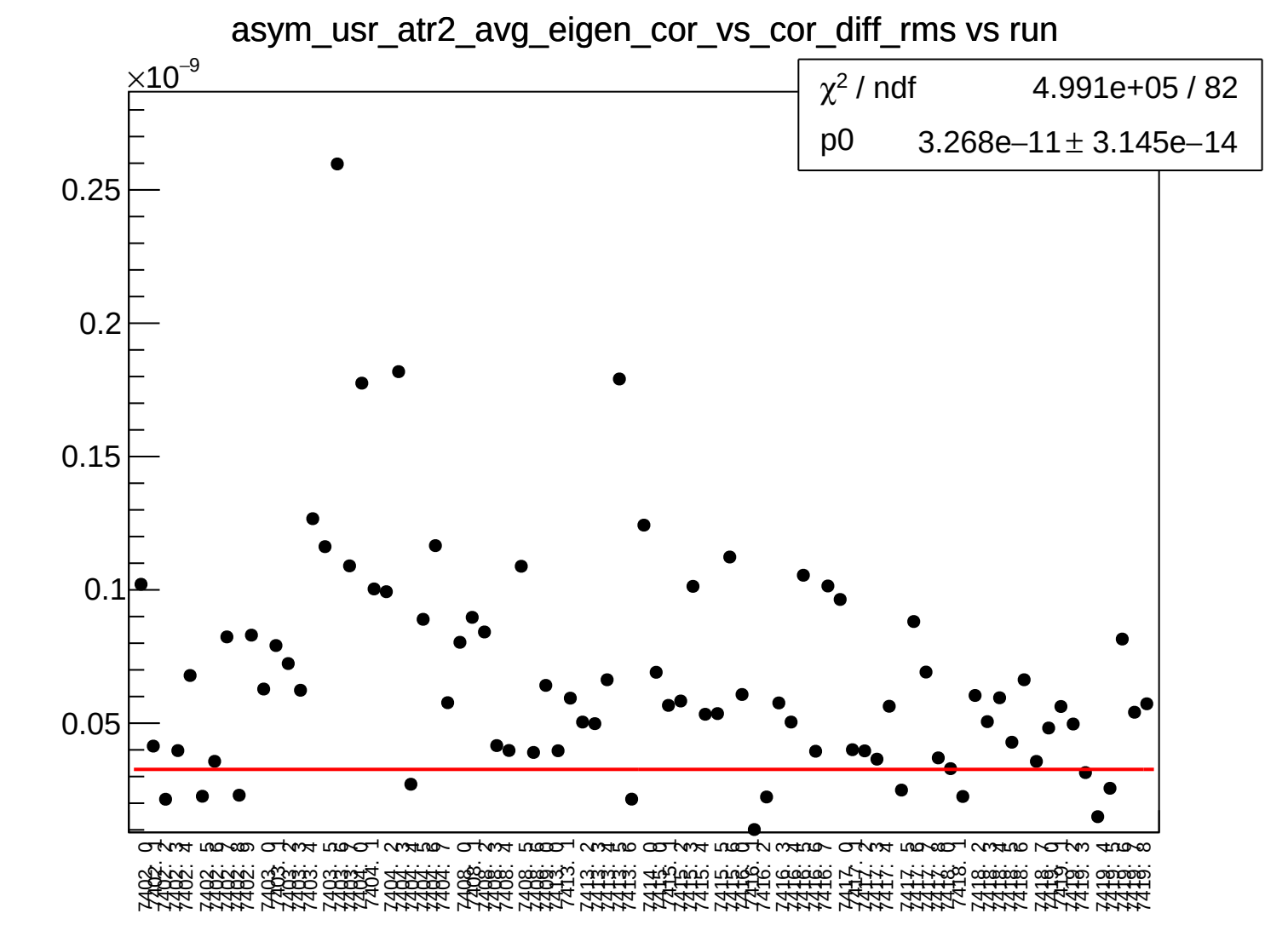

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.34 / 82
p0 0.6021 ± 0.5356
pull
Entries 83
Mean 68.11
Std Dev 33.09

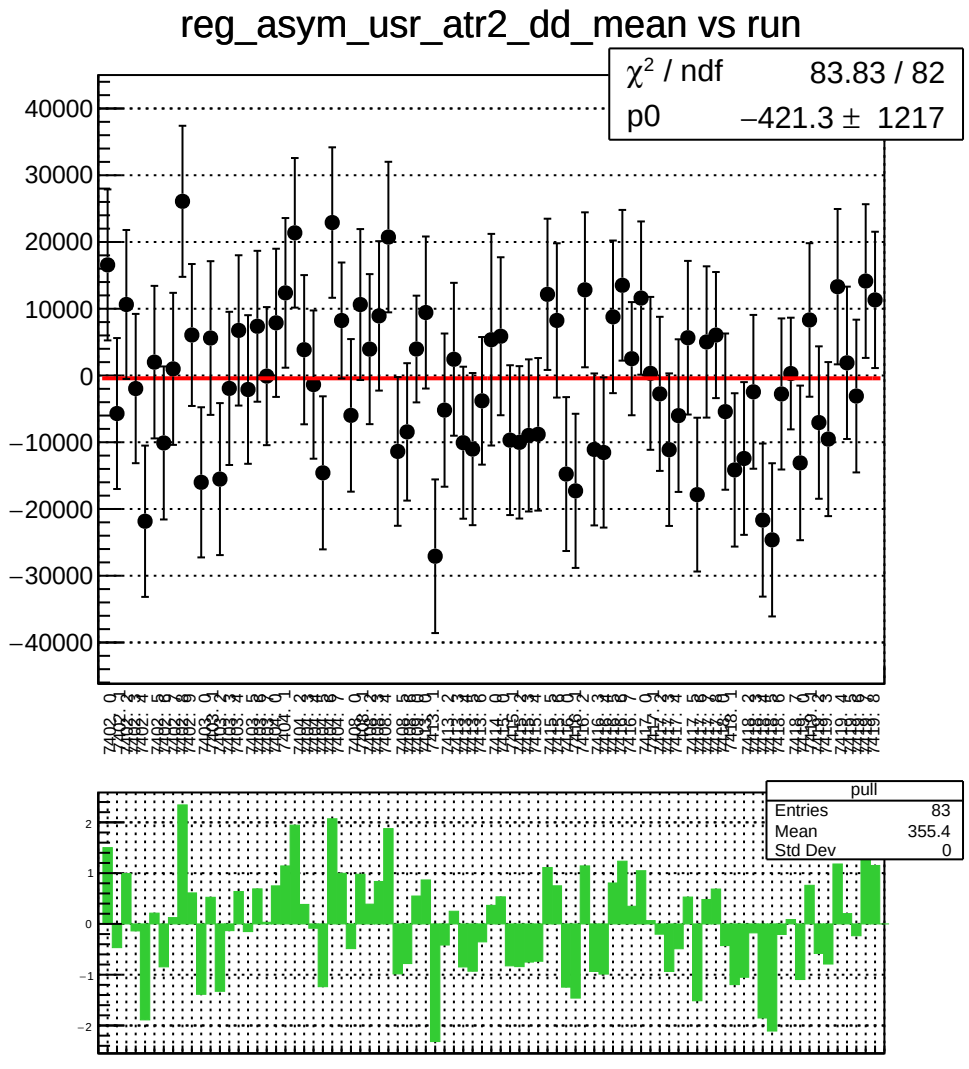

pull1D
Entries 83
Mean 0.03673
Std Dev 1.093

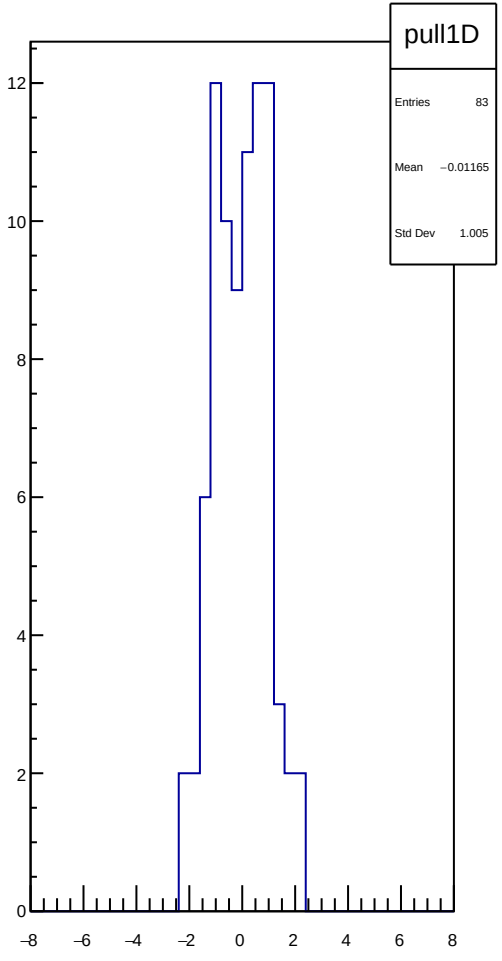

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.076e+05 / 82
p0 443.4 ± 0.3787
800
700
600
500
400
300
200

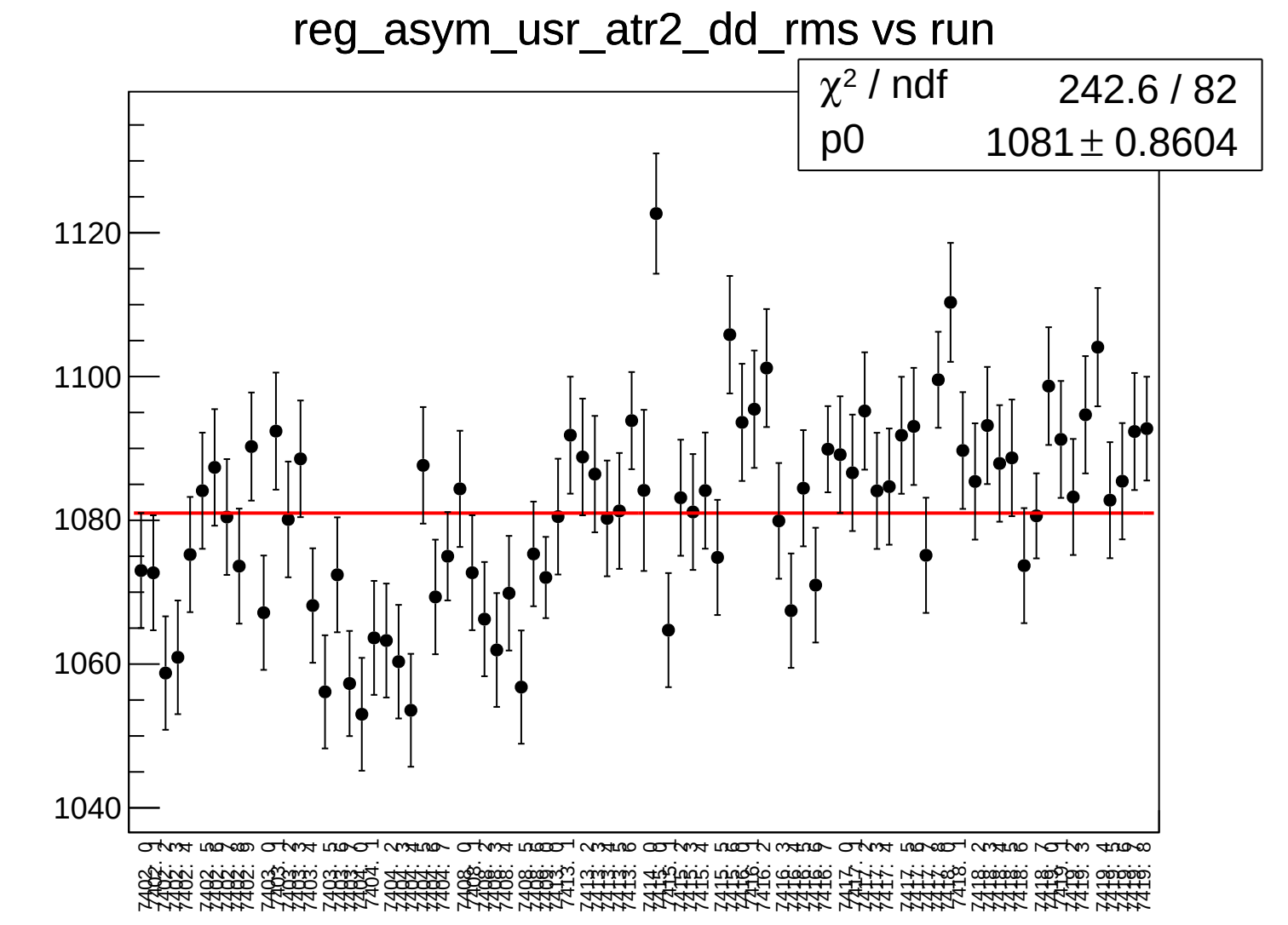

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.19 / 82
p0 −8.304e−14 ± 4.448e−14
pull
Entries 83
Mean 45.22
Std Dev 31.63

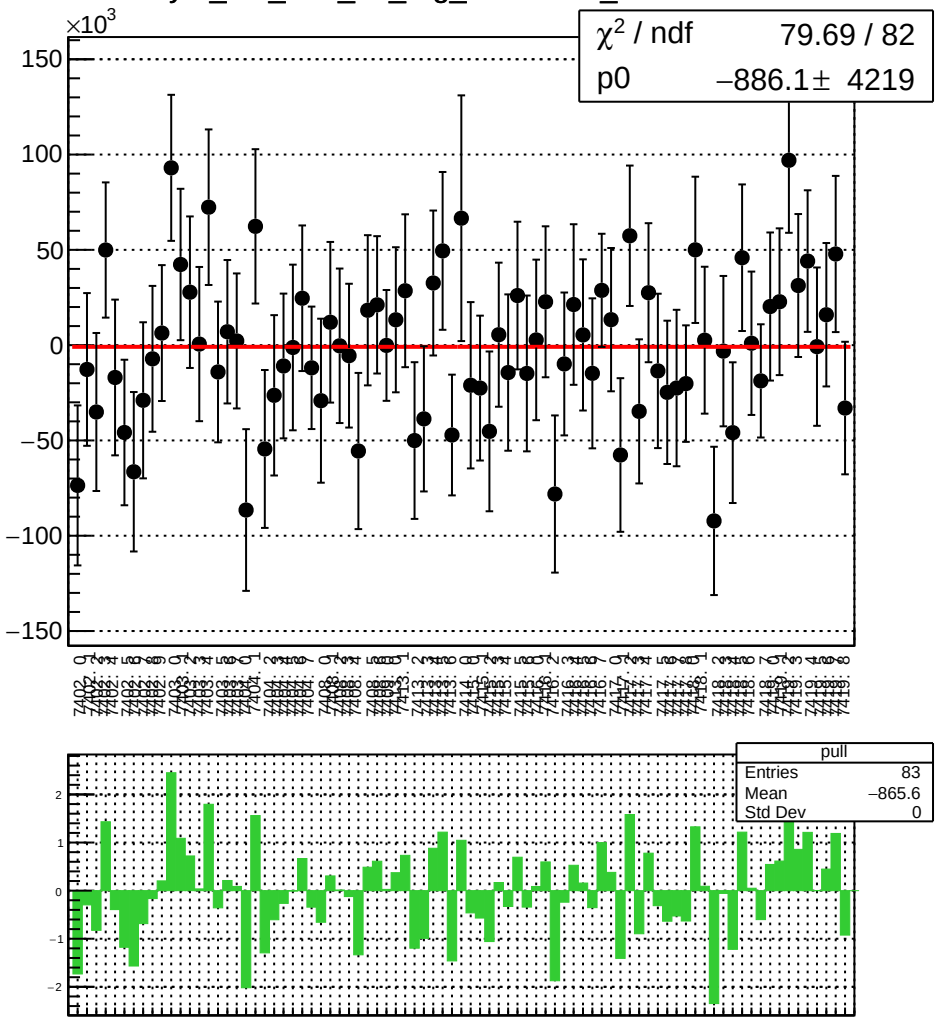

pull1D
Entries 83
Mean 0.07654
Std Dev 0.955

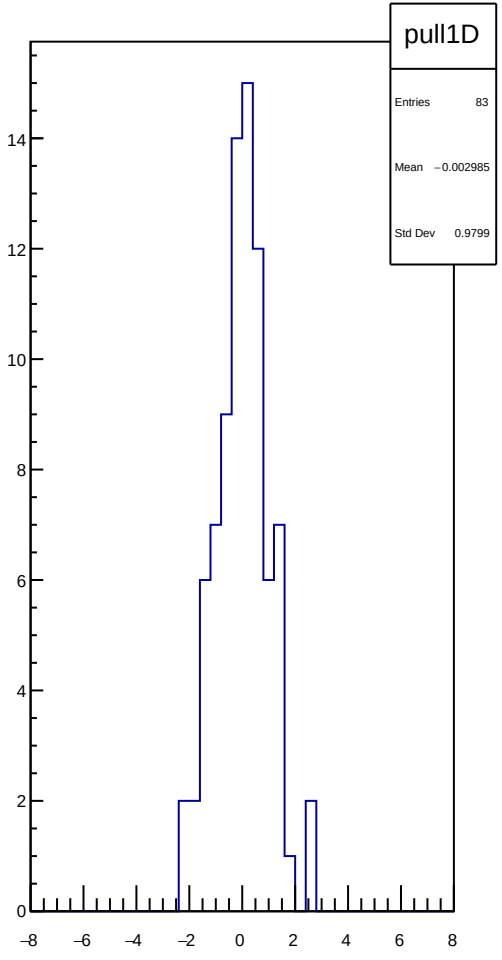

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.991e+05 / 82
p0 3.268e−11 ± 3.145e−14
0.25
0.2
0.15
0.1
0.05

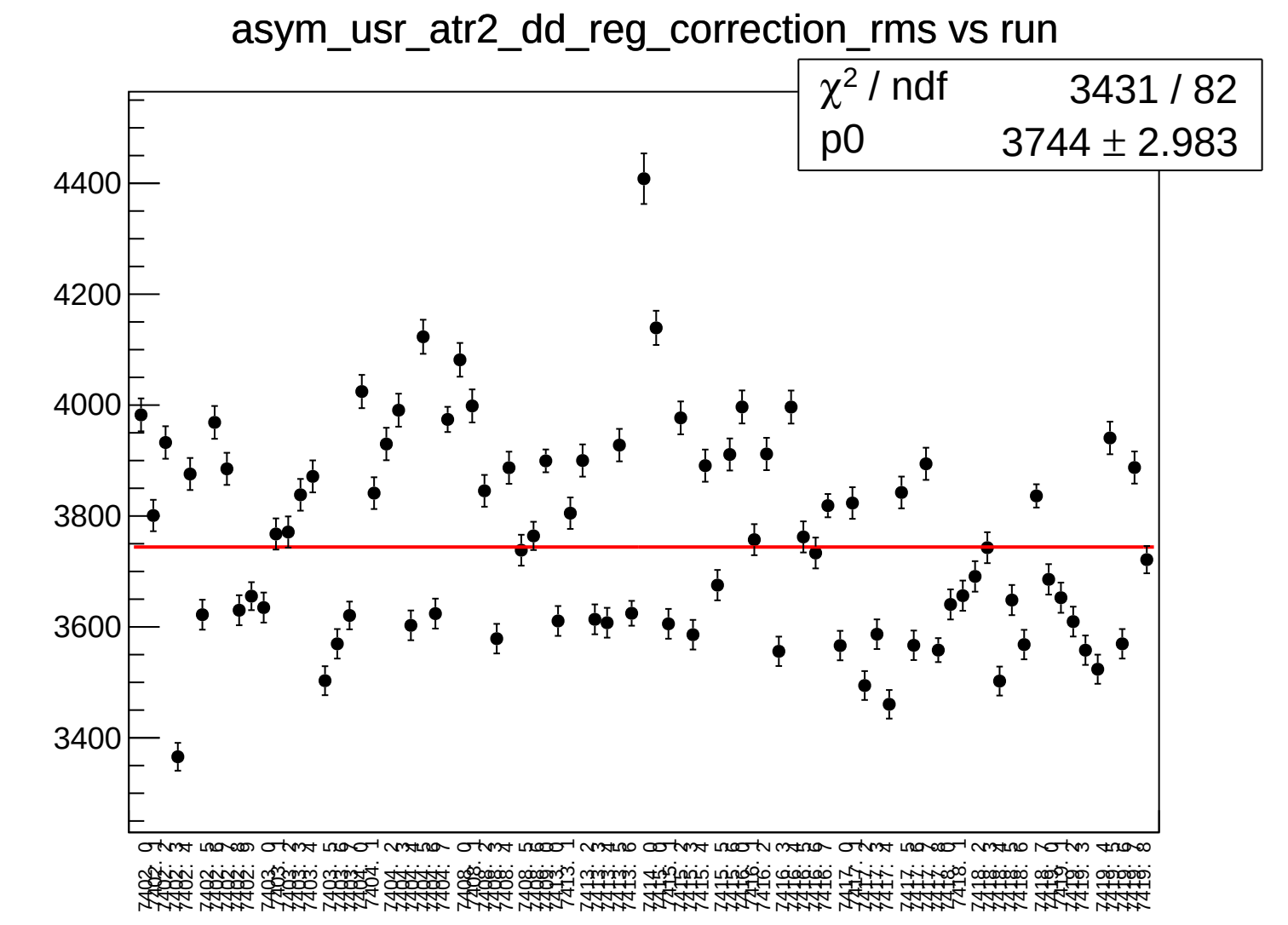

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 83.83 / 82
p0 −421.3 ± 1217
pull
Entries 83
Mean 355.4
Std Dev 0

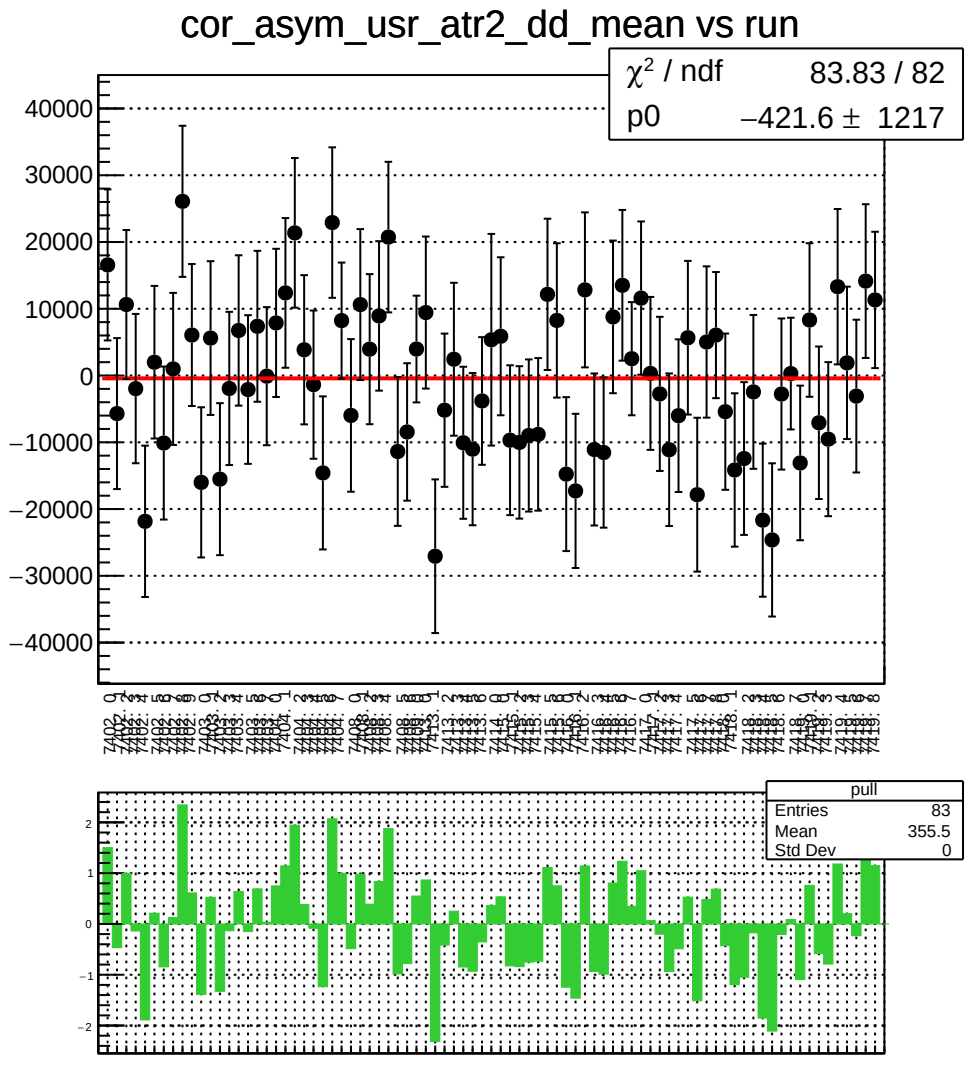

pull1D
Entries 83
Mean −0.01165
Std Dev 1.005

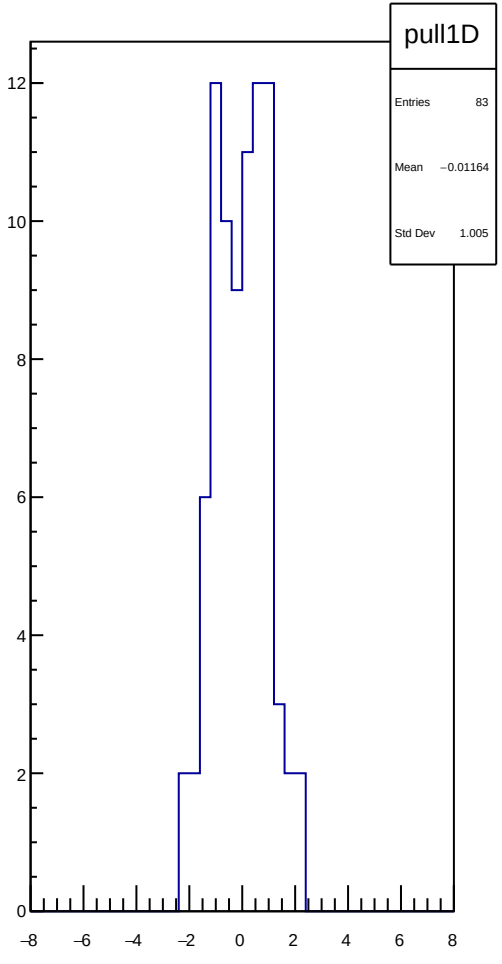

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 242.6 / 82
p0 1081 ± 0.8604
1120
1100
1080
1060
1040

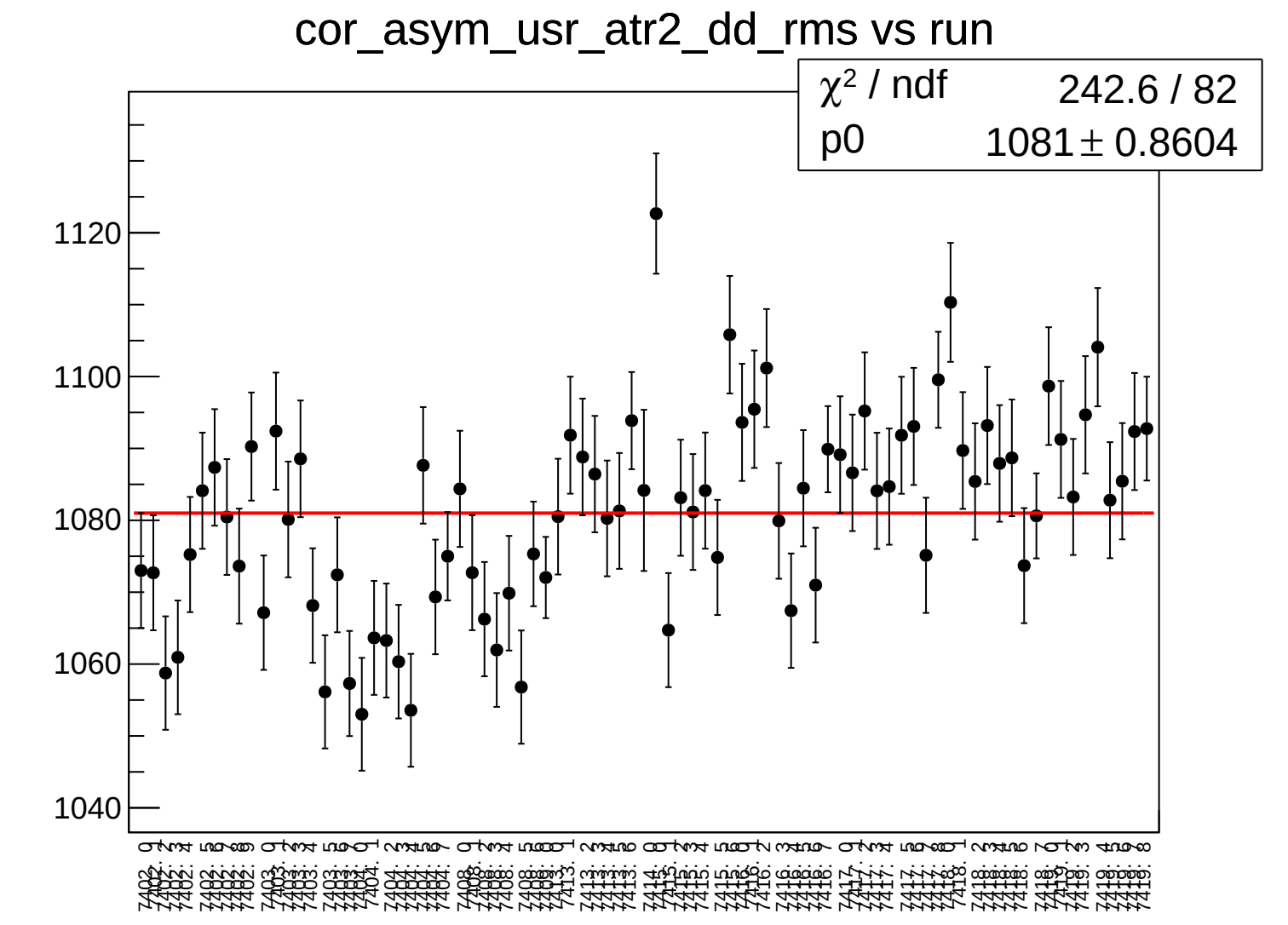

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 79.69 / 82
p0 −886.1± 4219
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −865.6
Std Dev 0
2
1
0
−1
−2

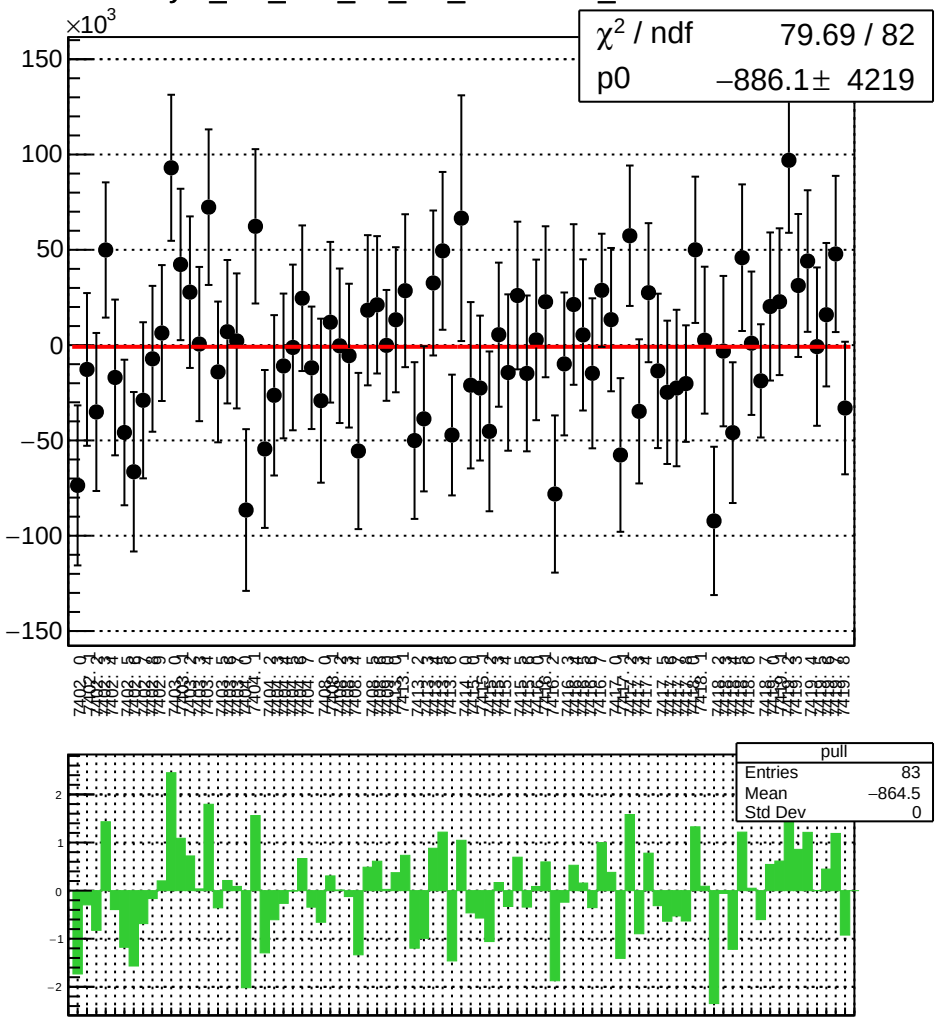

pull1D
Entries 83
Mean −0.002985
Std Dev 0.9799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

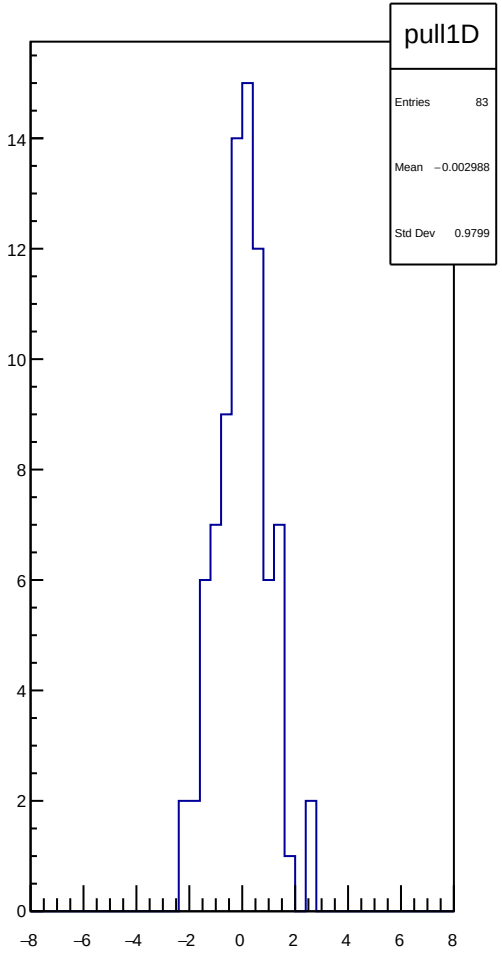

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 3431 / 82
p0 3744 ± 2.983
4400
4200
4000
3800
3600
3400

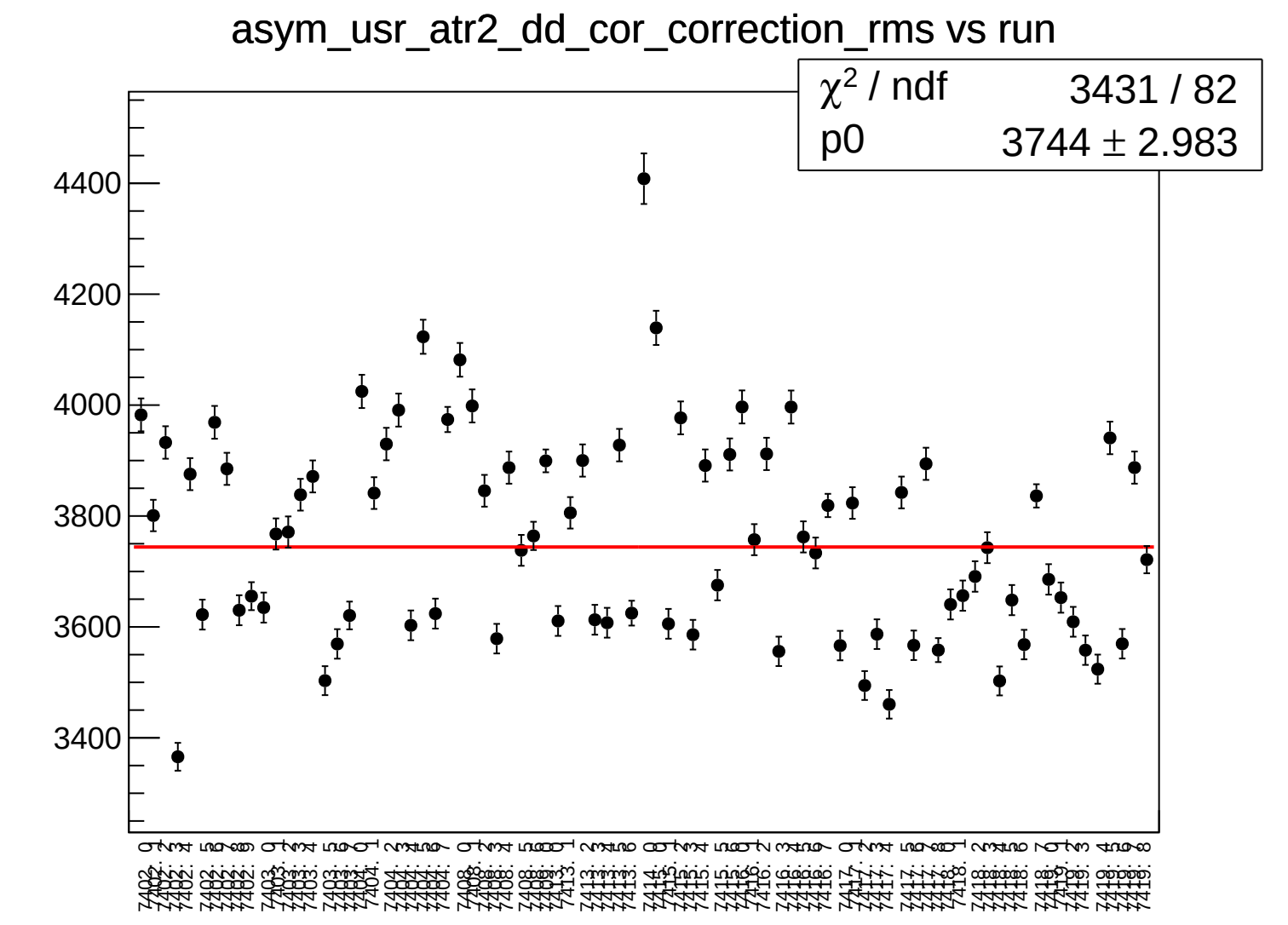

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 83.83 / 82
p0 −421.6 ± 1217
pull
Entries 83
Mean 355.5
Std Dev 0

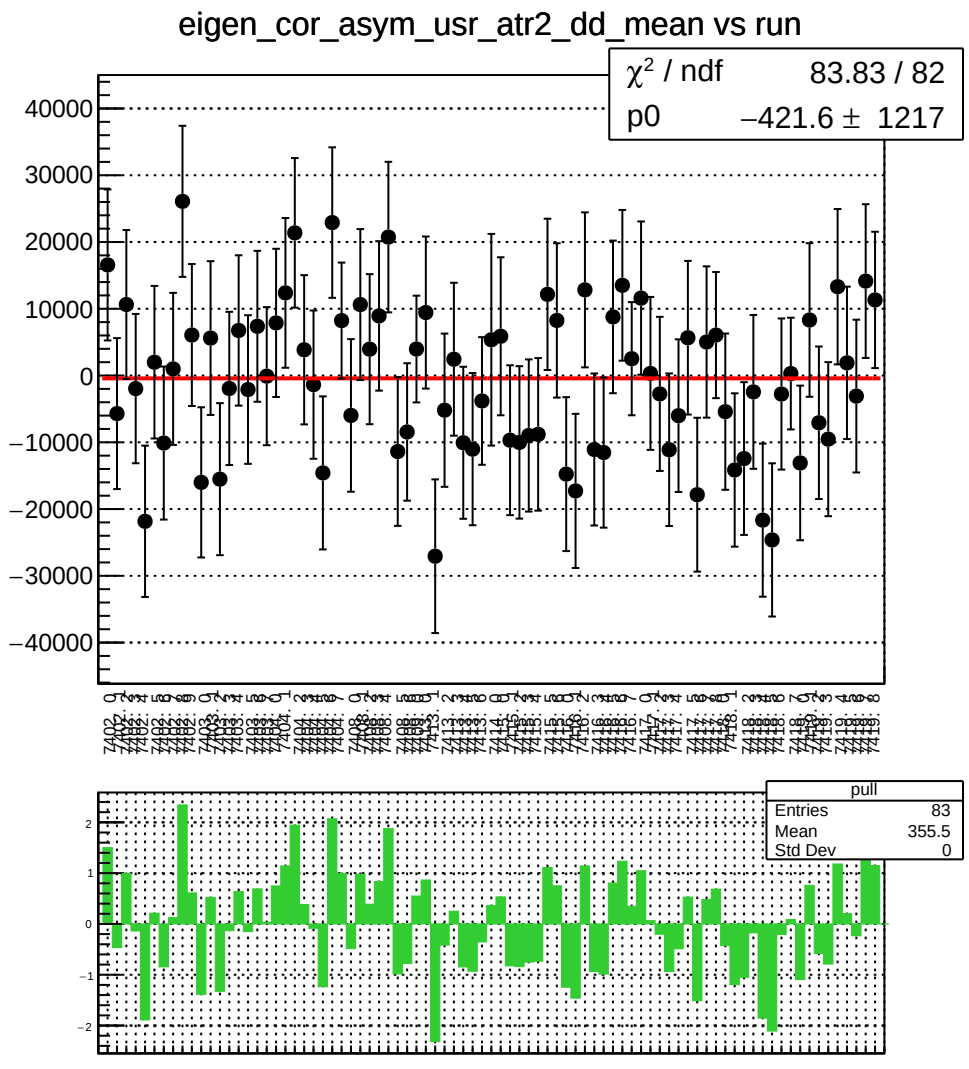

pull1D
Entries 83
Mean −0.01164
Std Dev 1.005

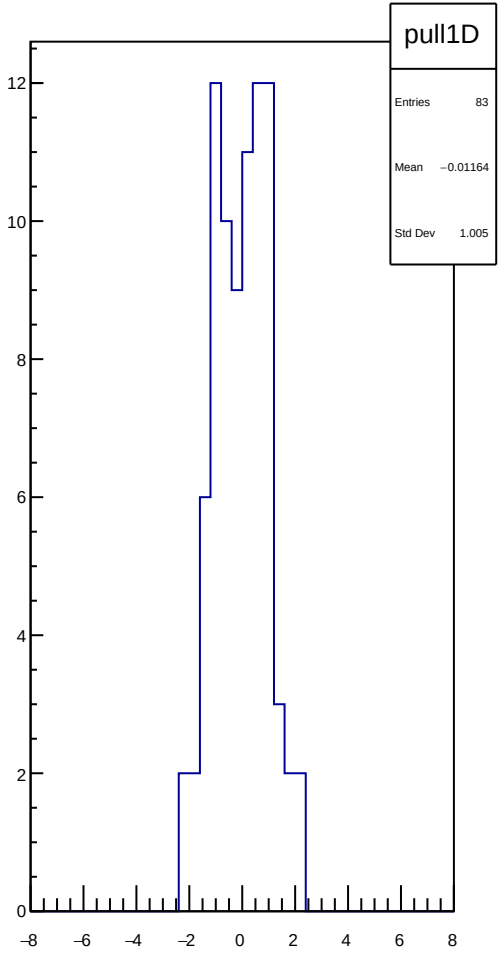

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 242.6 / 82
p0 1081 ± 0.8604
1120
1100
1080
1060
1040

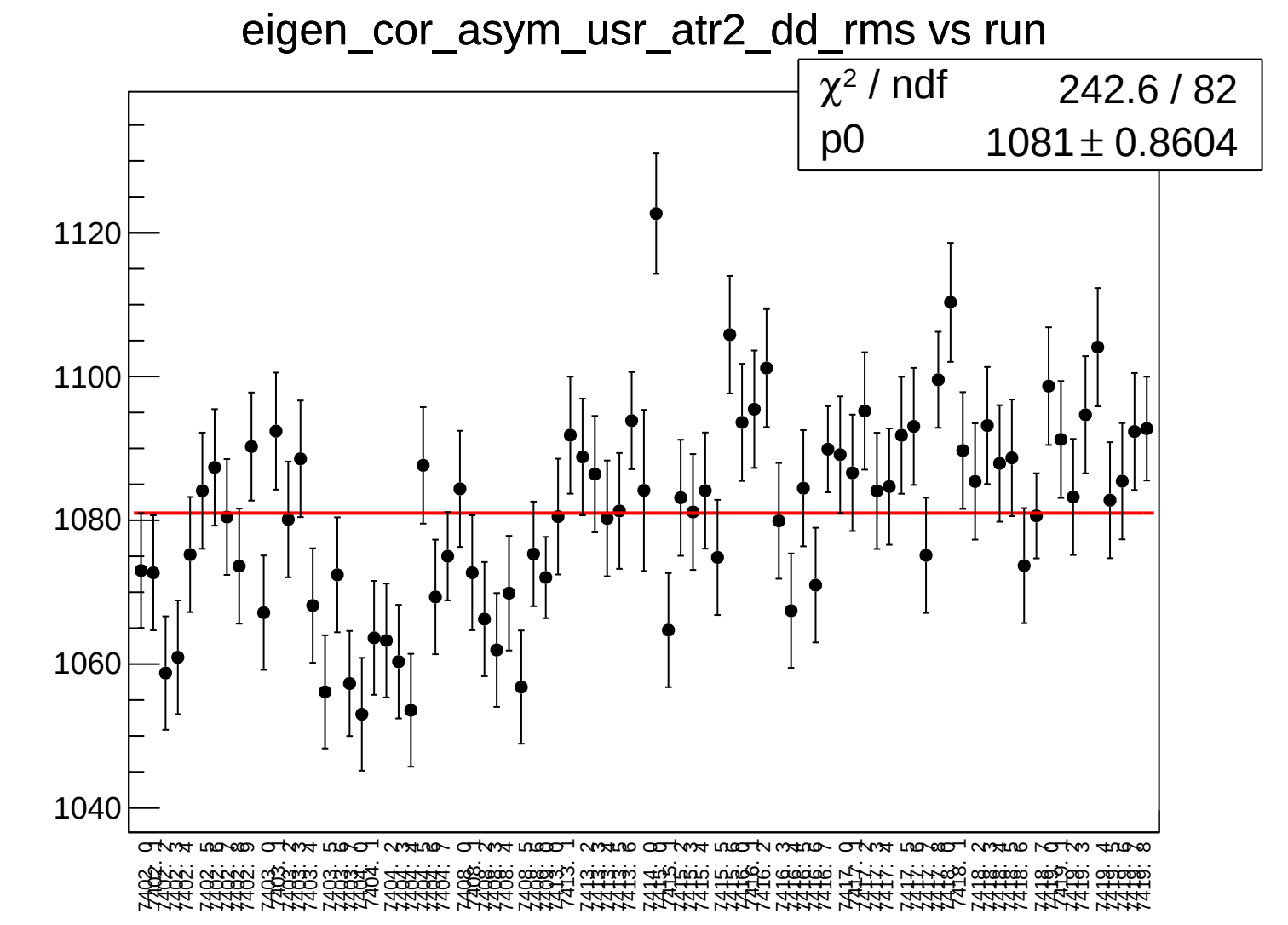

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 79.69 / 82
p0 −886.1± 4219
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −864.5
Std Dev 0
2
1
0
−1
−2

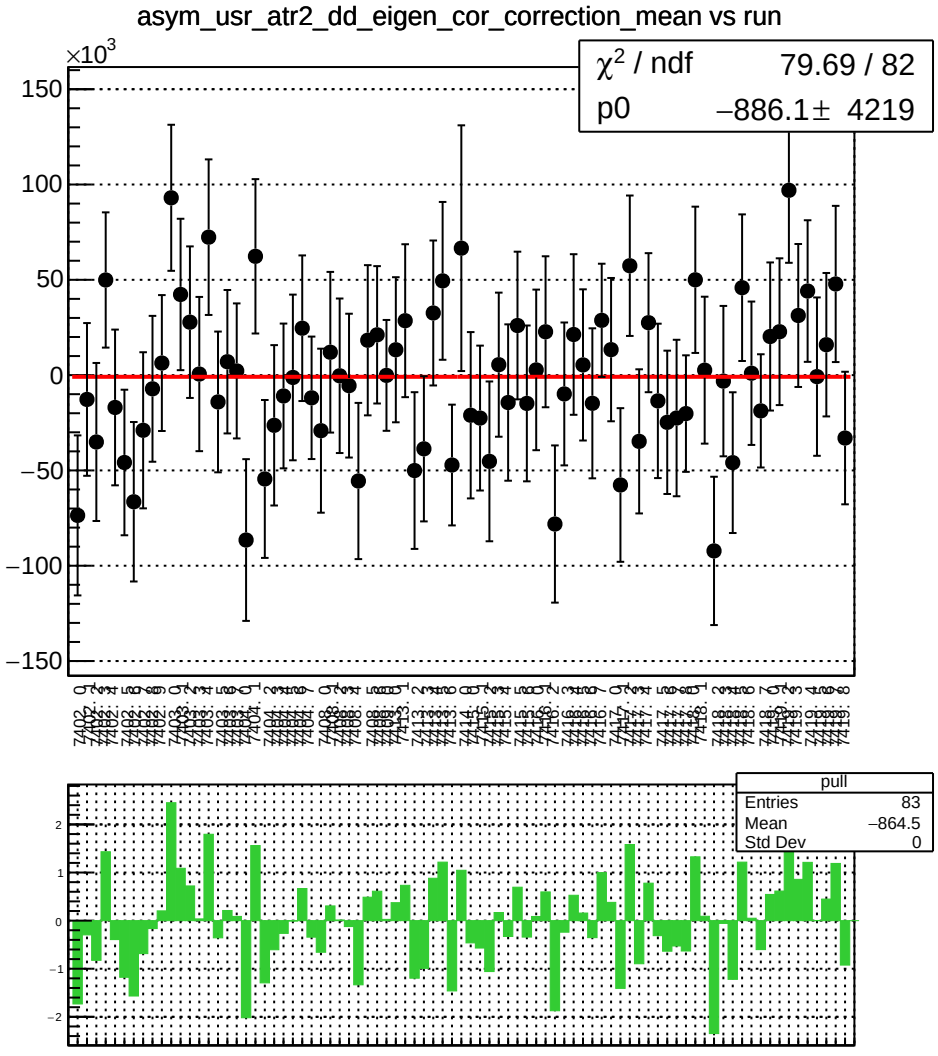

pull1D
Entries 83
Mean −0.002988
Std Dev 0.9799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

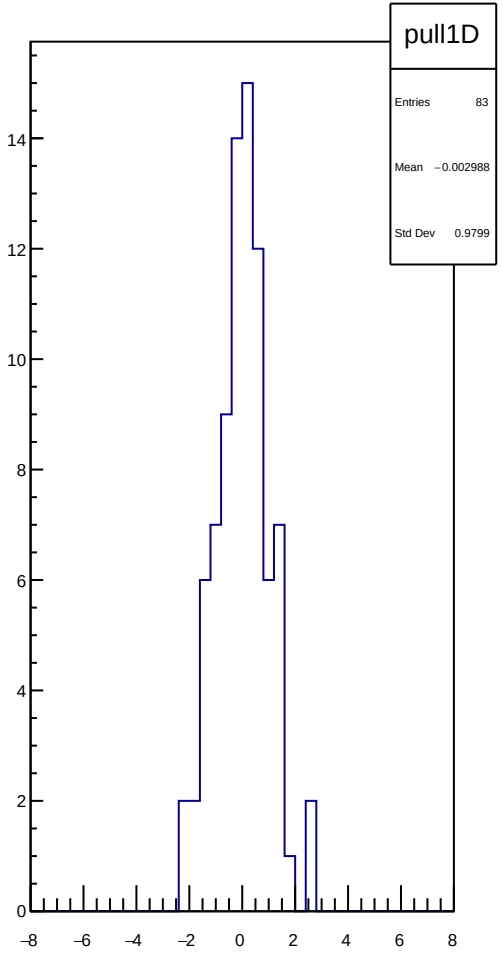

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 3431 / 82
p0 3744 ± 2.983
4400
4200
4000
3800
3600
3400

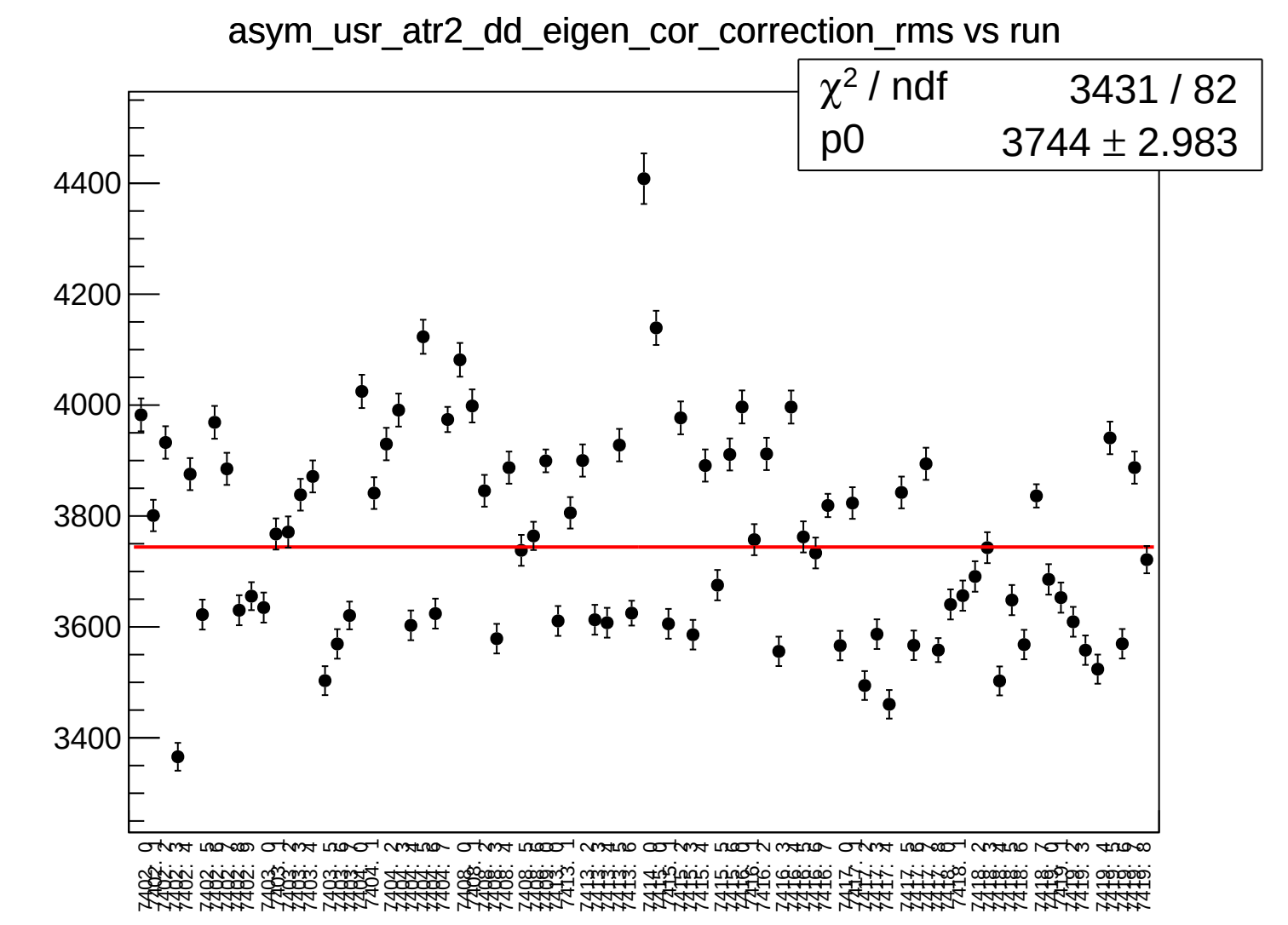

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 83.83 / 82
p0 −421.6 ± 1217
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean 355.5
Std Dev 0
2
1
0
−1
−2

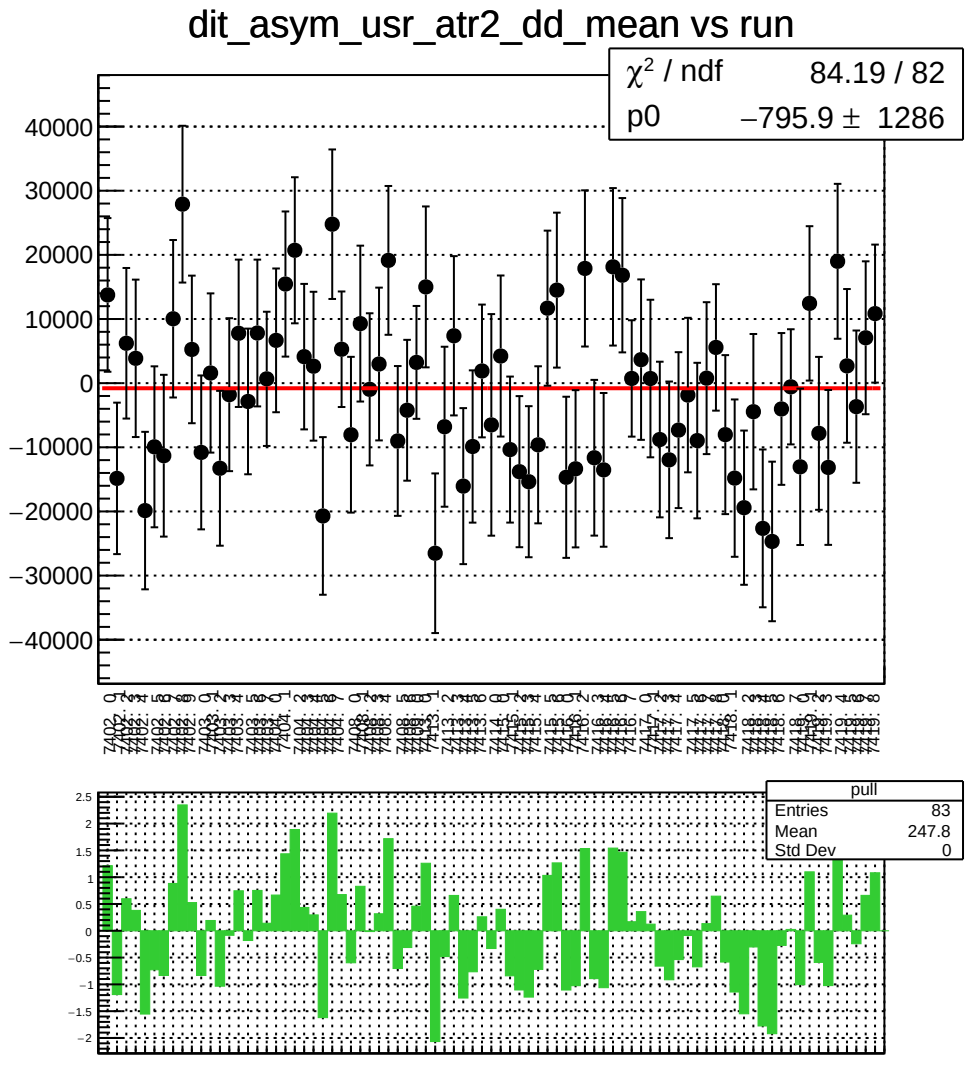

pull1D
Entries 83
Mean −0.01164
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

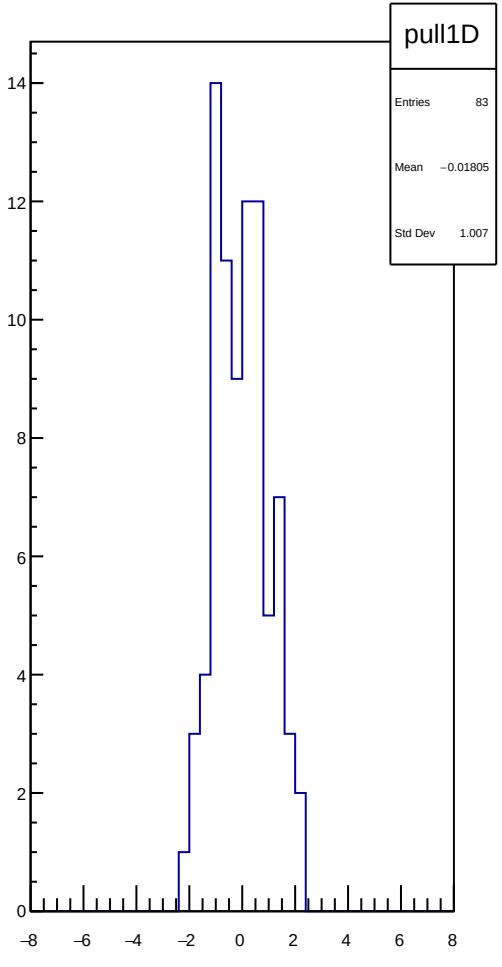

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 242.6 / 82
p0 1081 ± 0.8604
1120
1100
1080
1060
1040

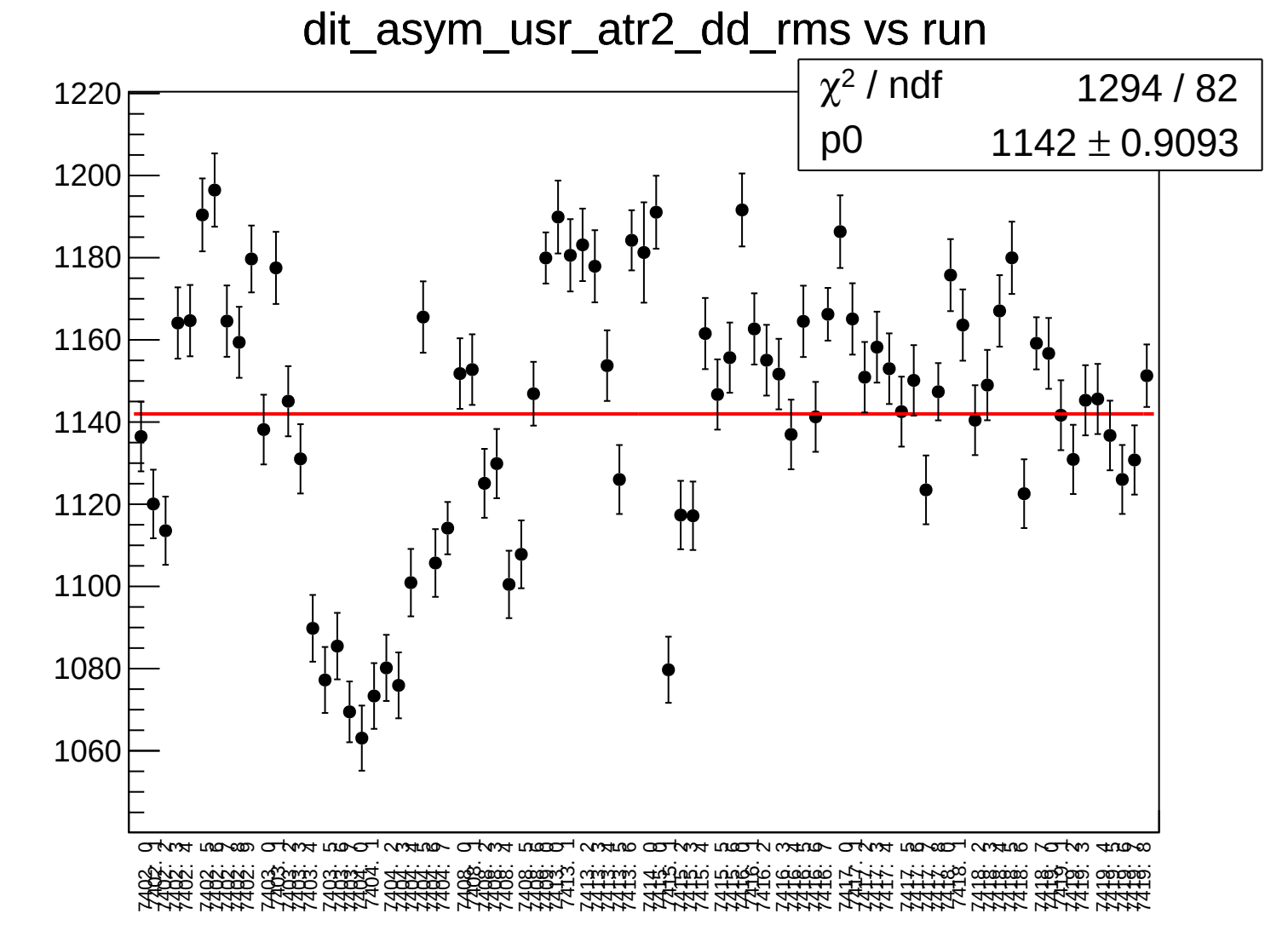

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.69 / 82
p0 −886.1± 4219
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −864.5
Std Dev 0
2
1
0
−1
−2

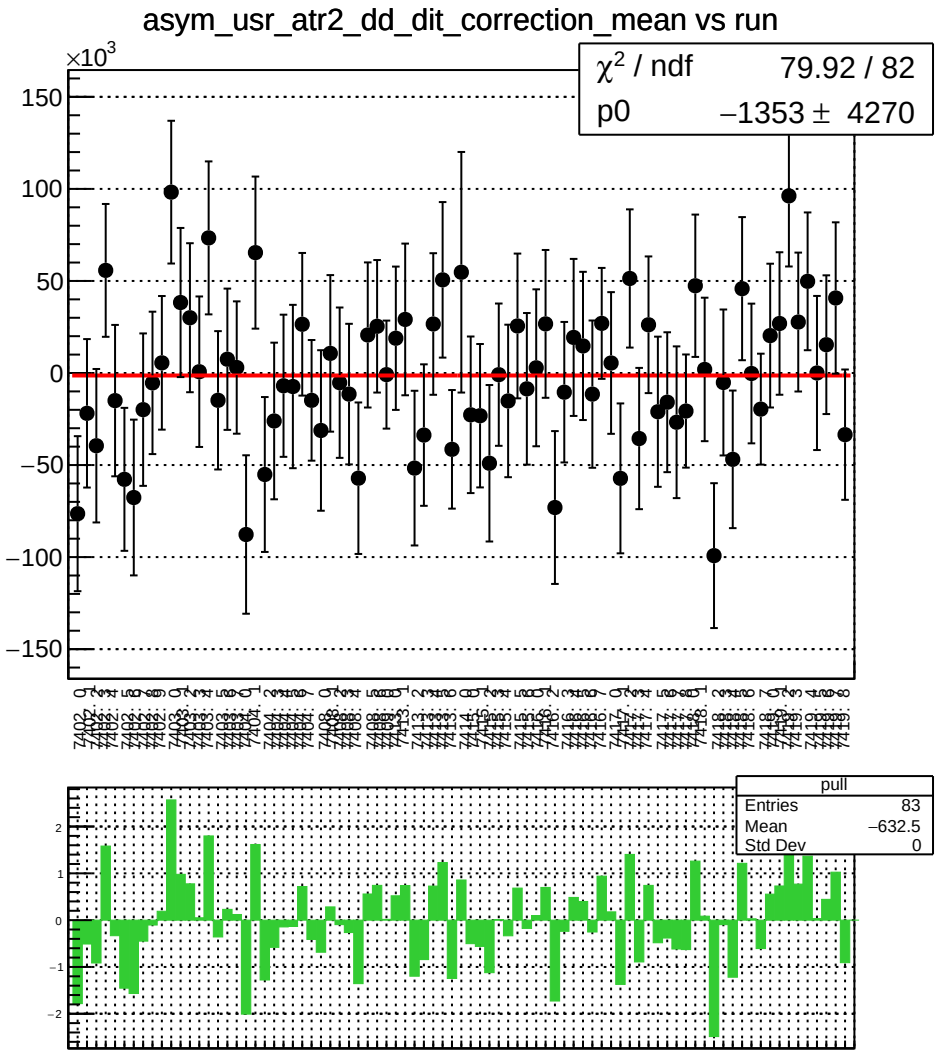

pull1D
Entries 83
Mean −0.002988
Std Dev 0.9799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

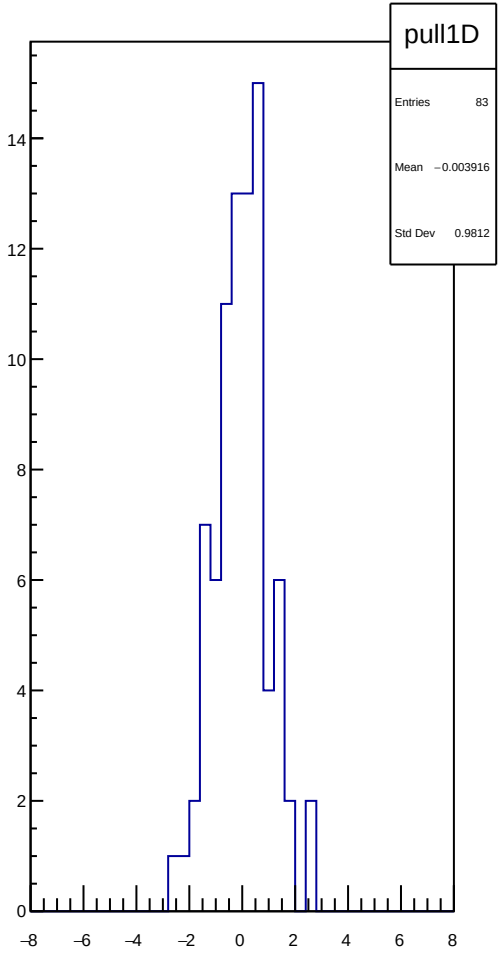

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3431 / 82
p0 3744 ± 2.983
4400
4200
4000
3800
3600
3400

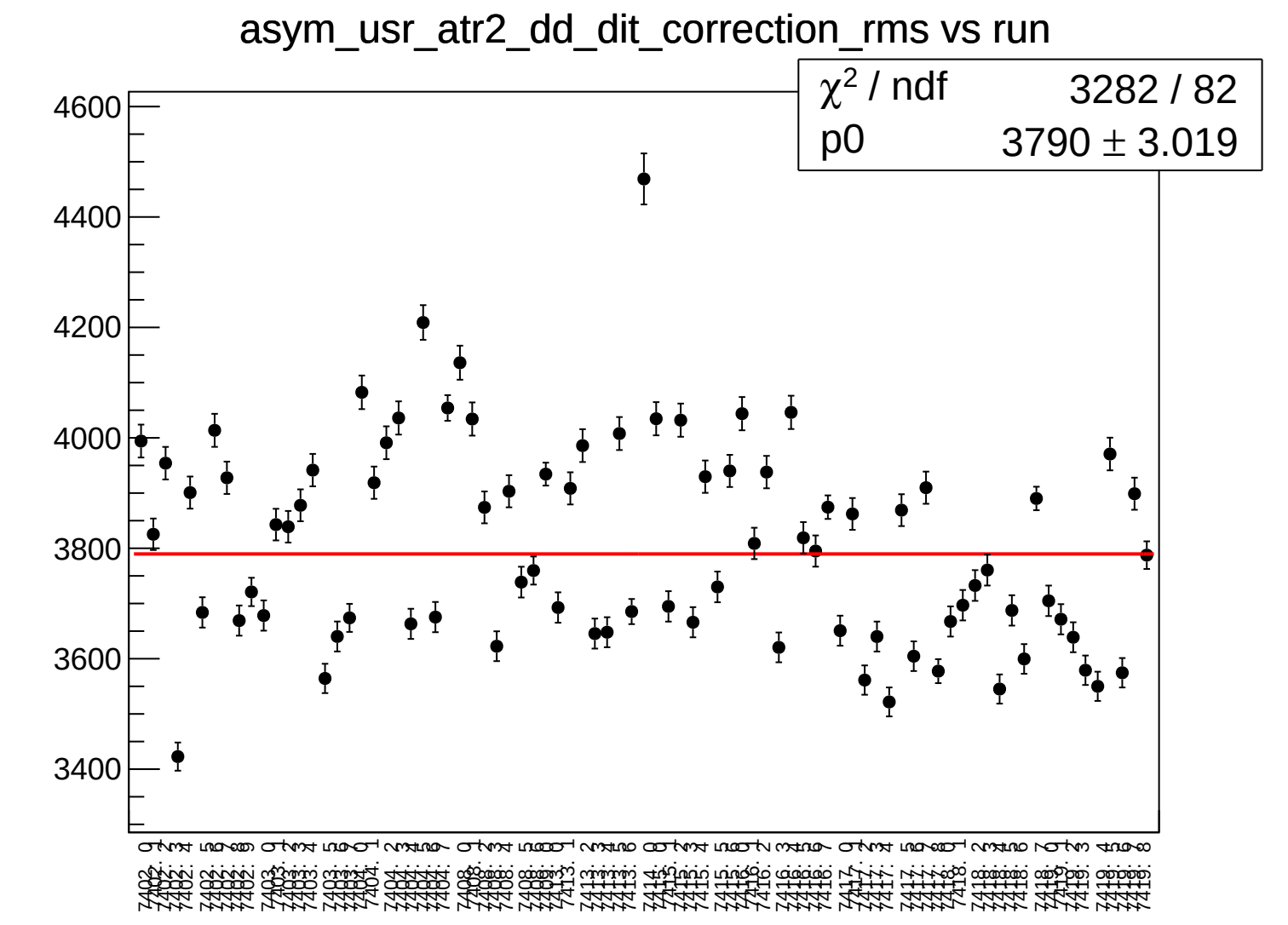

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 84.19 / 82
p0 −795.9 ± 1286
pull
Entries 83
Mean 247.8
Std Dev 0

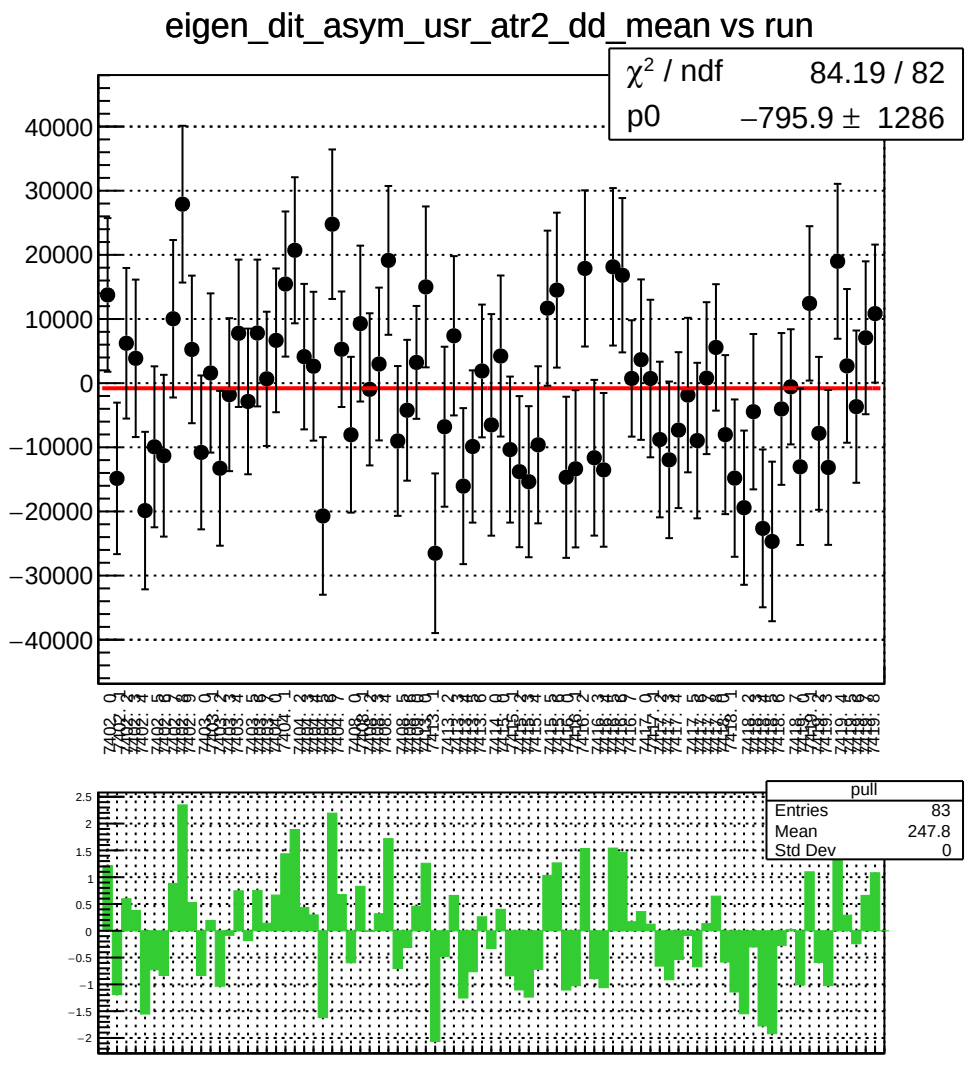

pull1D
Entries 83
Mean −0.01805
Std Dev 1.007

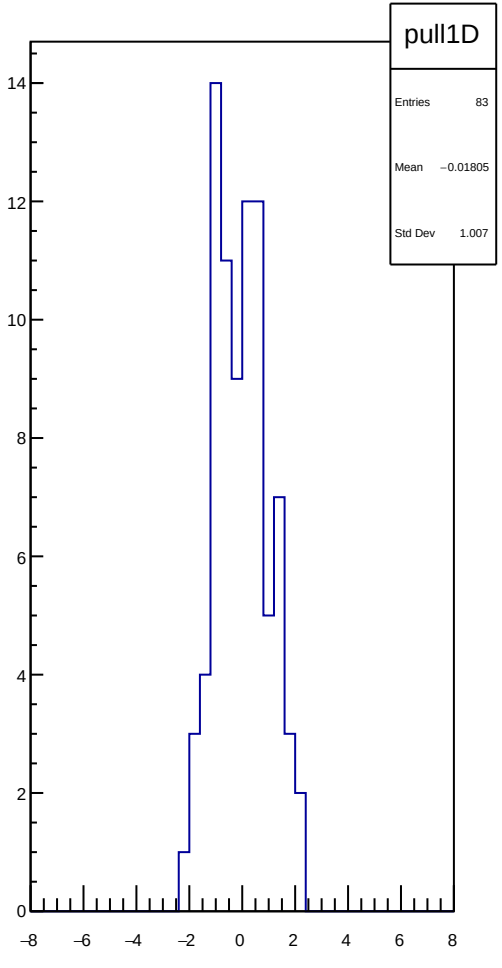

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 1294 / 82
p0 1142 ± 0.9093
1220
1200
1180
1160
1140
1120
1100
1080
1060

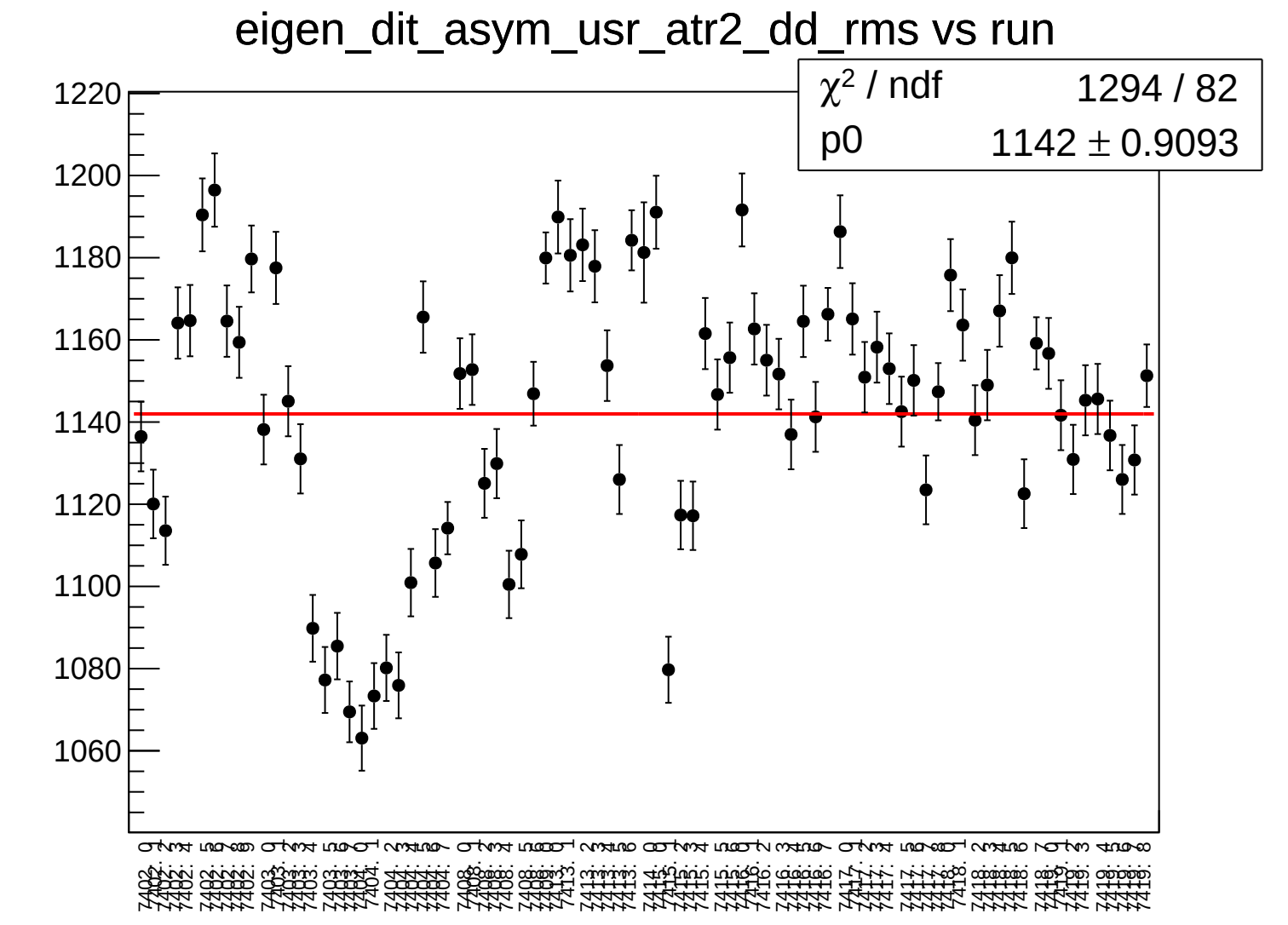

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 79.92 / 82
p0 −1353 ± 4270
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −632.5
Std Dev 0
2
1
0
−1
−2

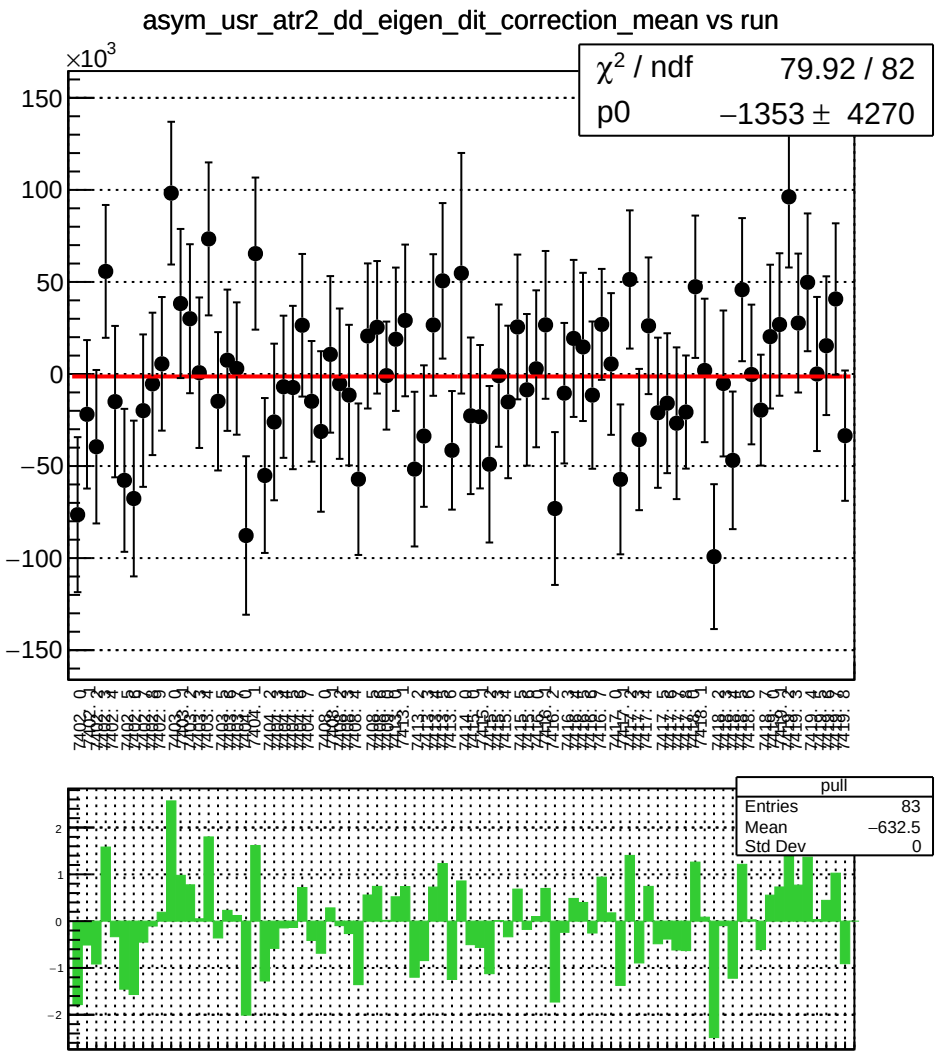

pull1D
Entries 83
Mean −0.003916
Std Dev 0.9812
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

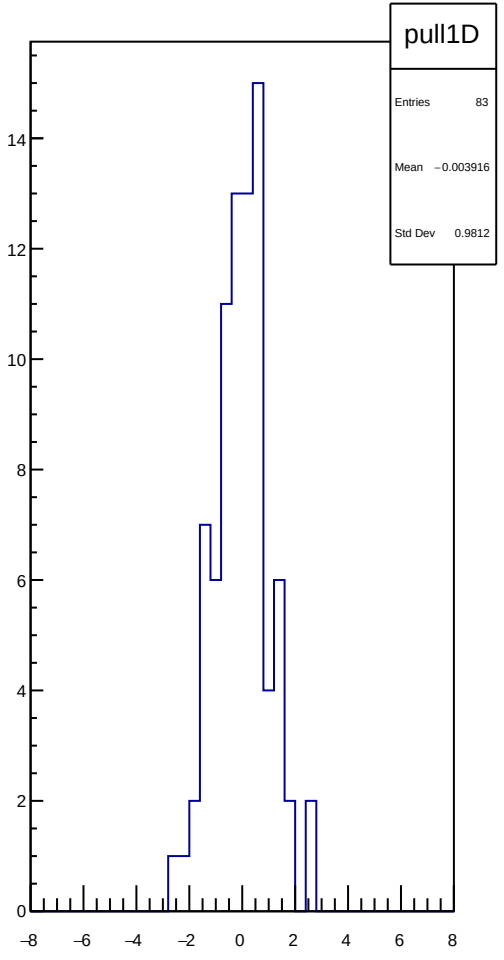

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 3282 / 82
p0 3790 ± 3.019
4600
4400
4200
4000
3800
3600
3400

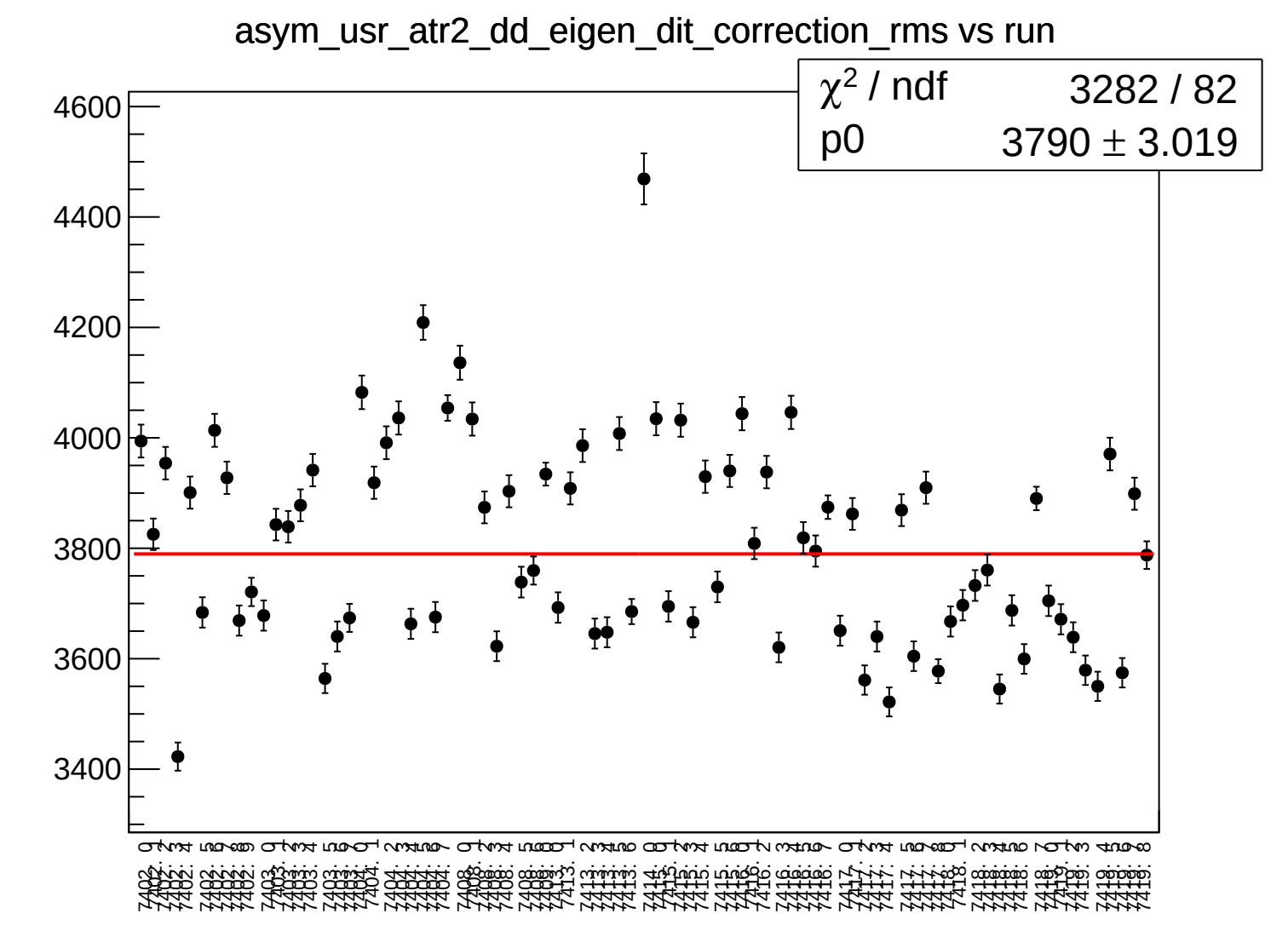

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 84.19 / 82
p0 −795.9 ± 1286
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean 247.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

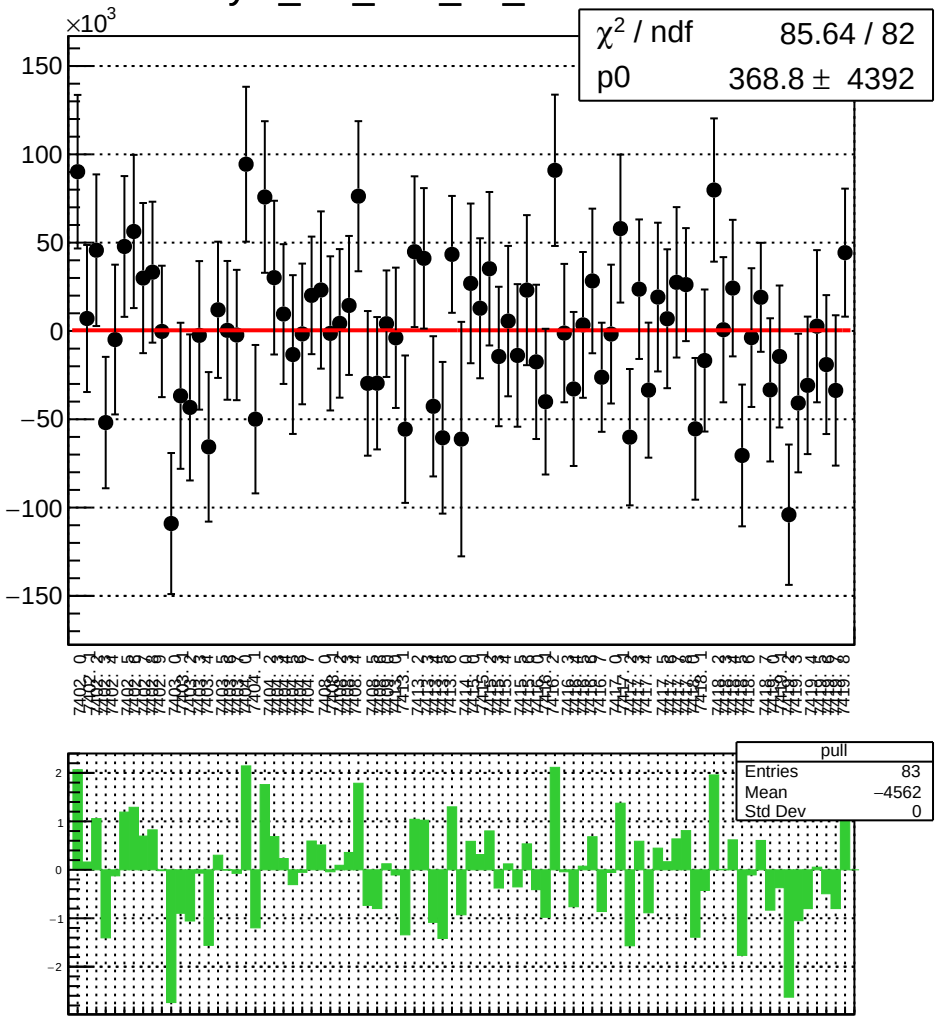

pull1D
Entries 83
Mean −0.01805
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

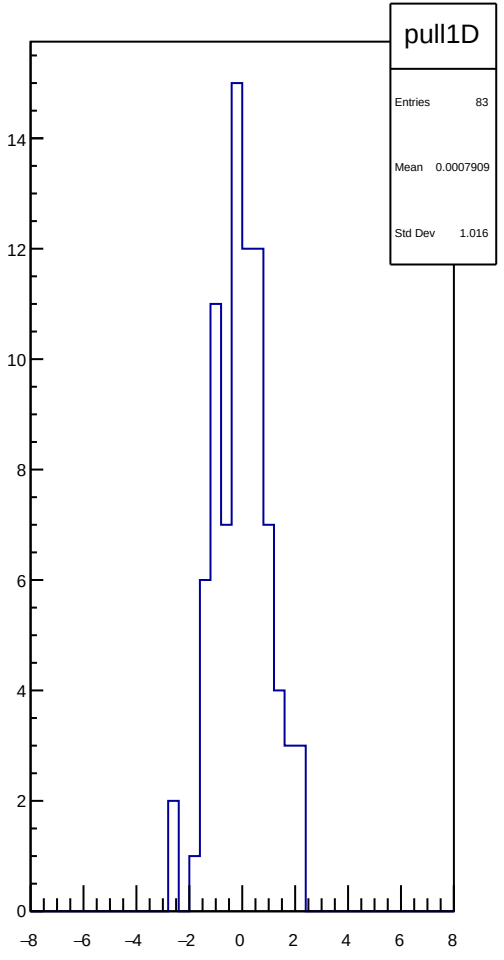

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 1294 / 82
p0 1142 ± 0.9093
1220
1200
1180
1160
1140
1120
1100
1080
1060

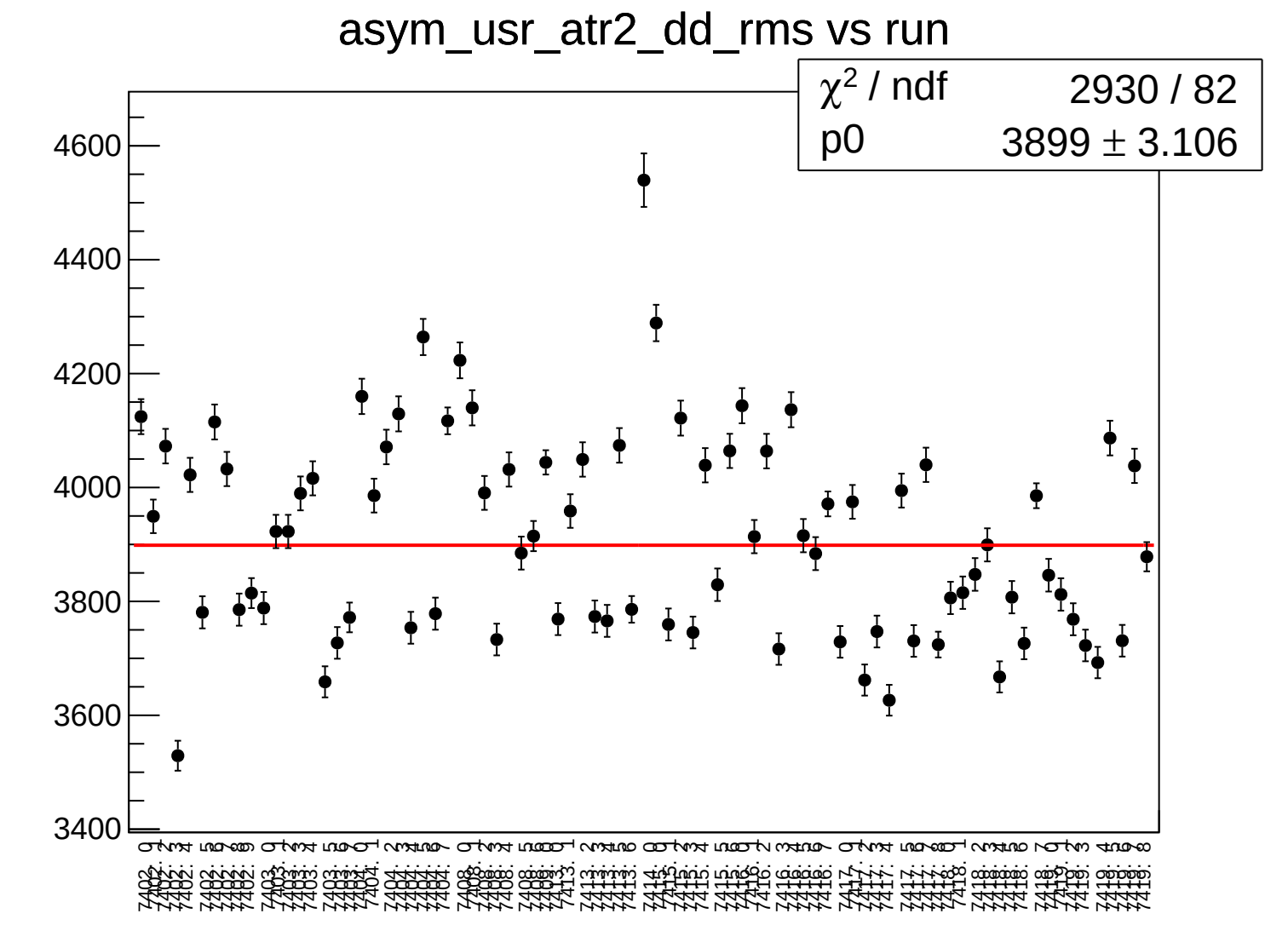

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 79.92 / 82
p0 −1353 ± 4270
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −632.5
Std Dev 0
2
1
0
−1
−2

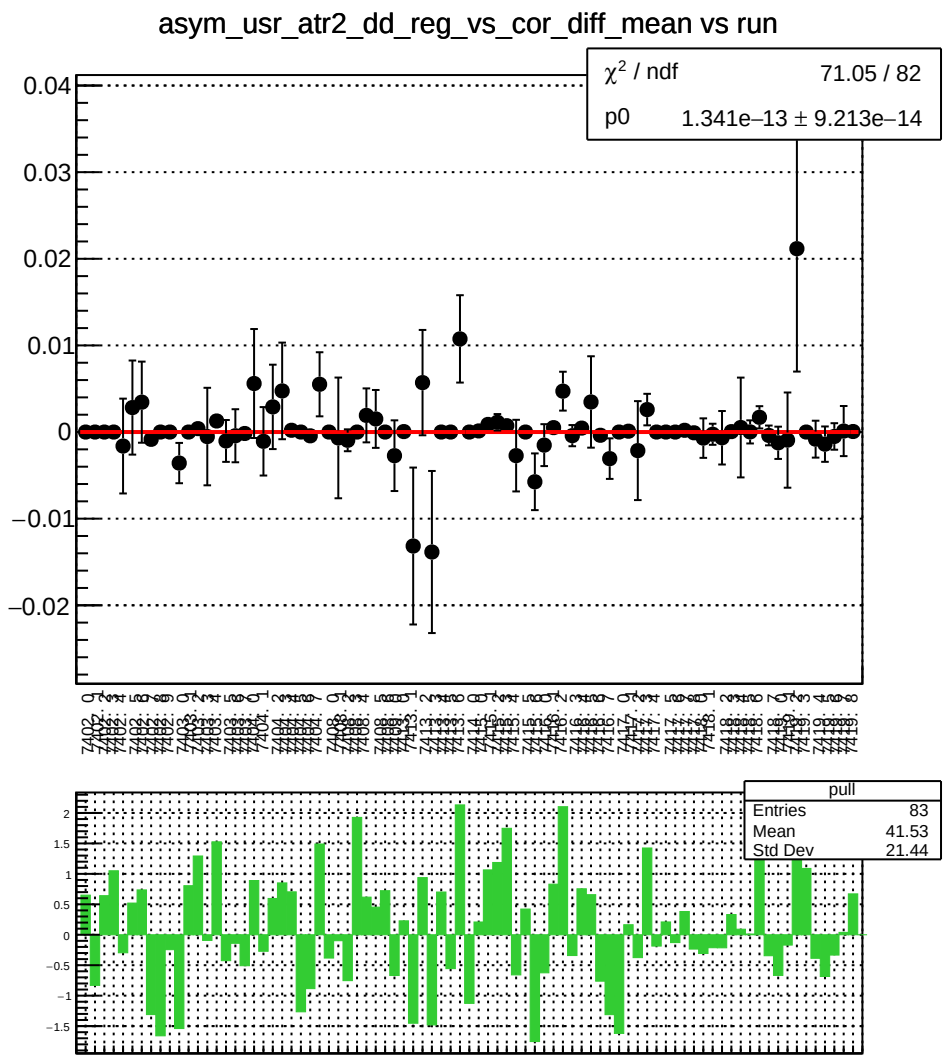

pull1D
Entries 83
Mean −0.003916
Std Dev 0.9812
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

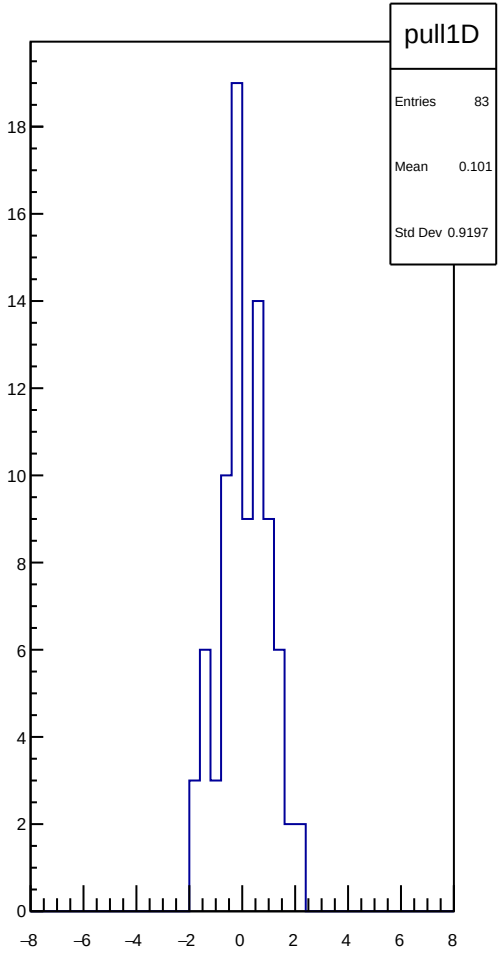

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3282 / 82
p0 3790 ± 3.019
4600
4400
4200
4000
3800
3600
3400

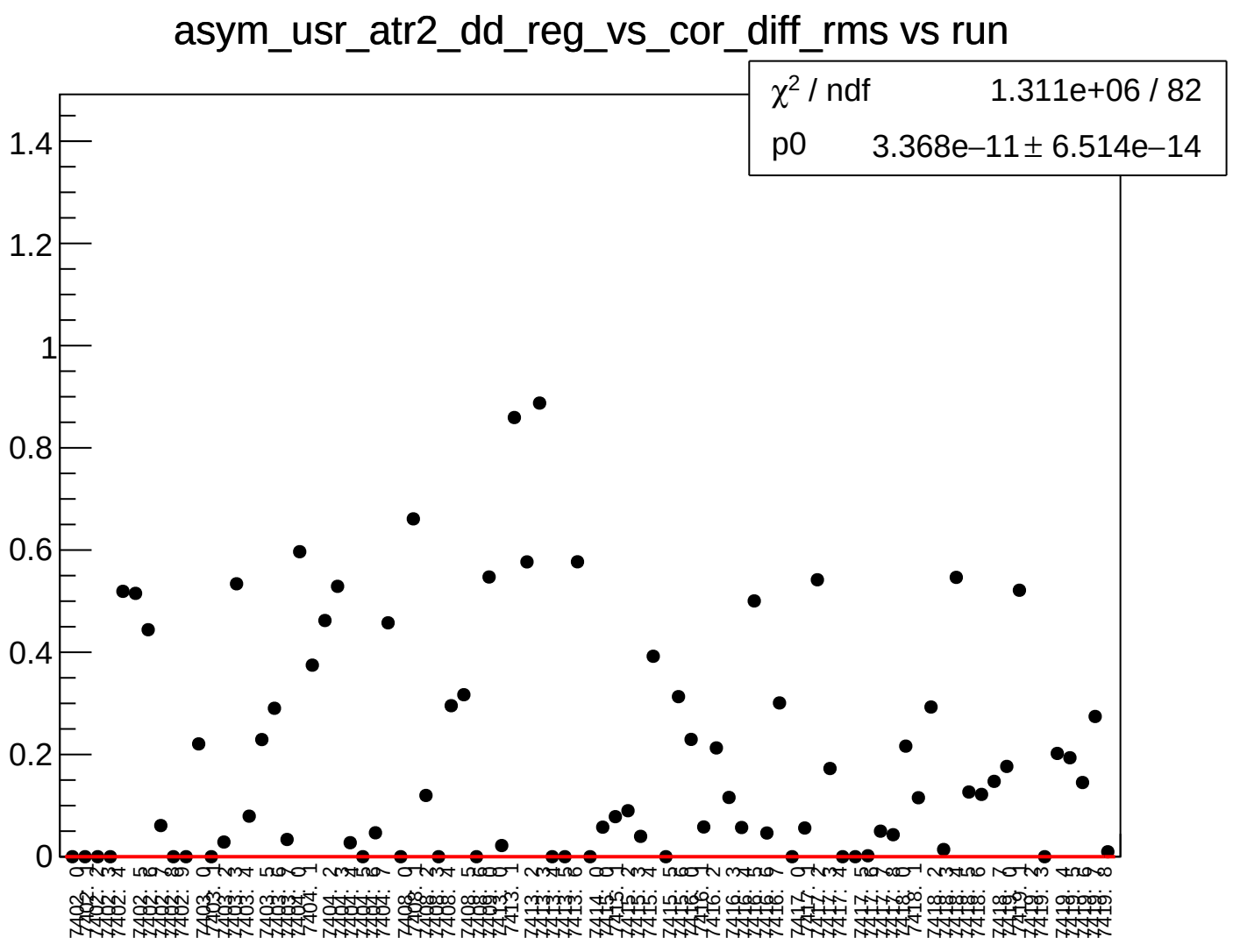

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 85.64 / 82
p0 368.8 ± 4392
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −4562
Std Dev 0
2
1
0
−1
−2

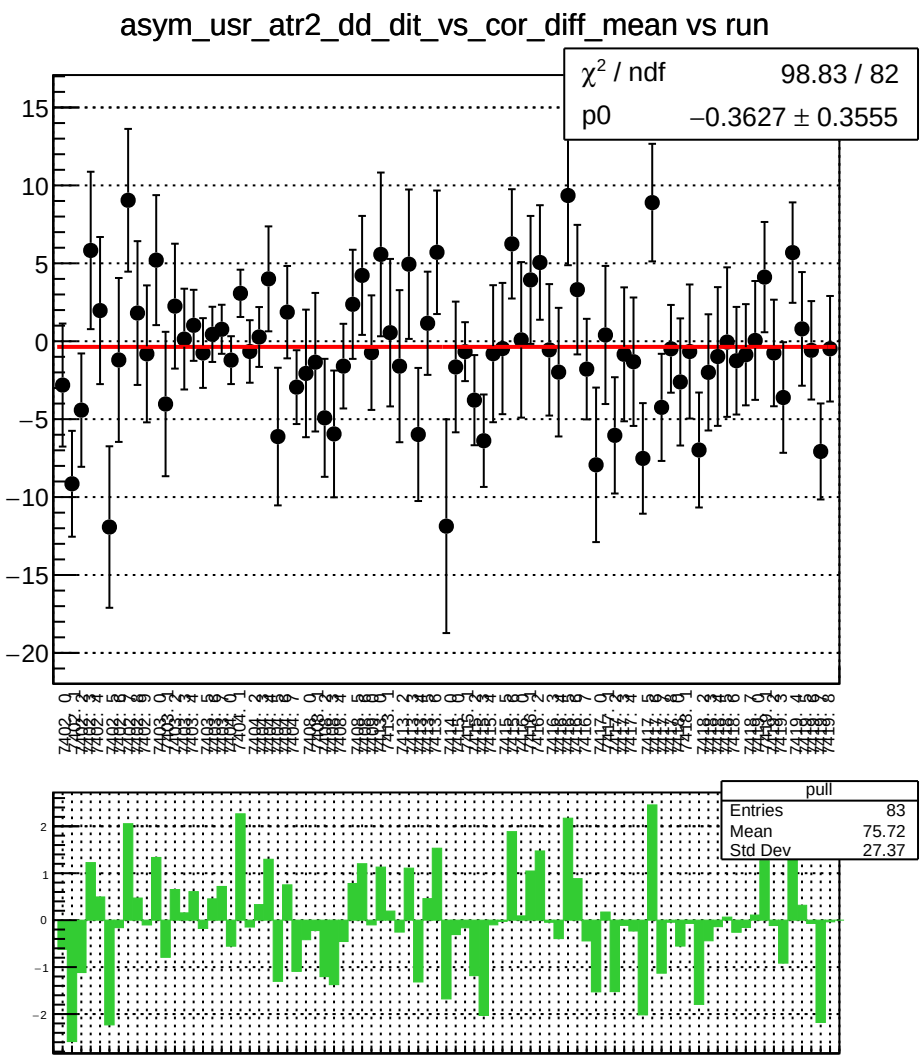

pull1D
Entries 83
Mean 0.0007909
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

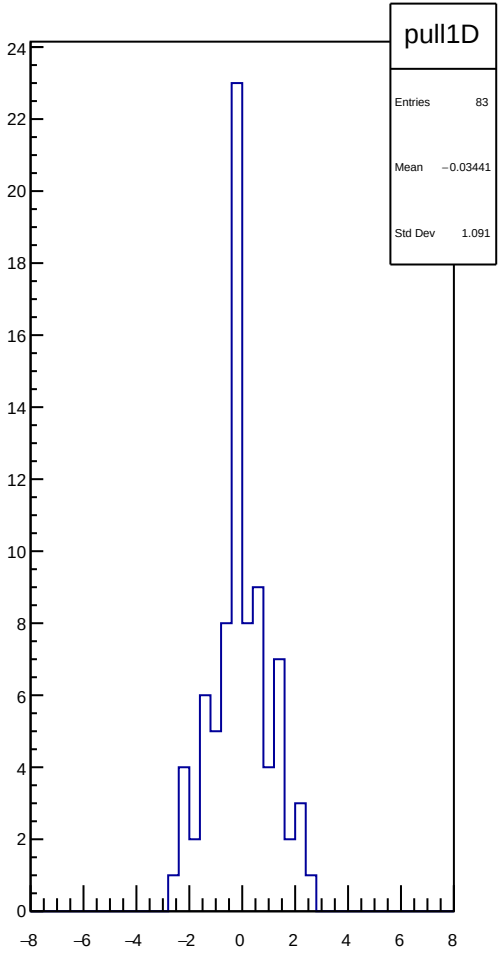

asym_usr_atr2_dd_rms vs run
χ² / ndf 2930 / 82
p0 3899 ± 3.106
4600
4400
4200
4000
3800
3600
3400

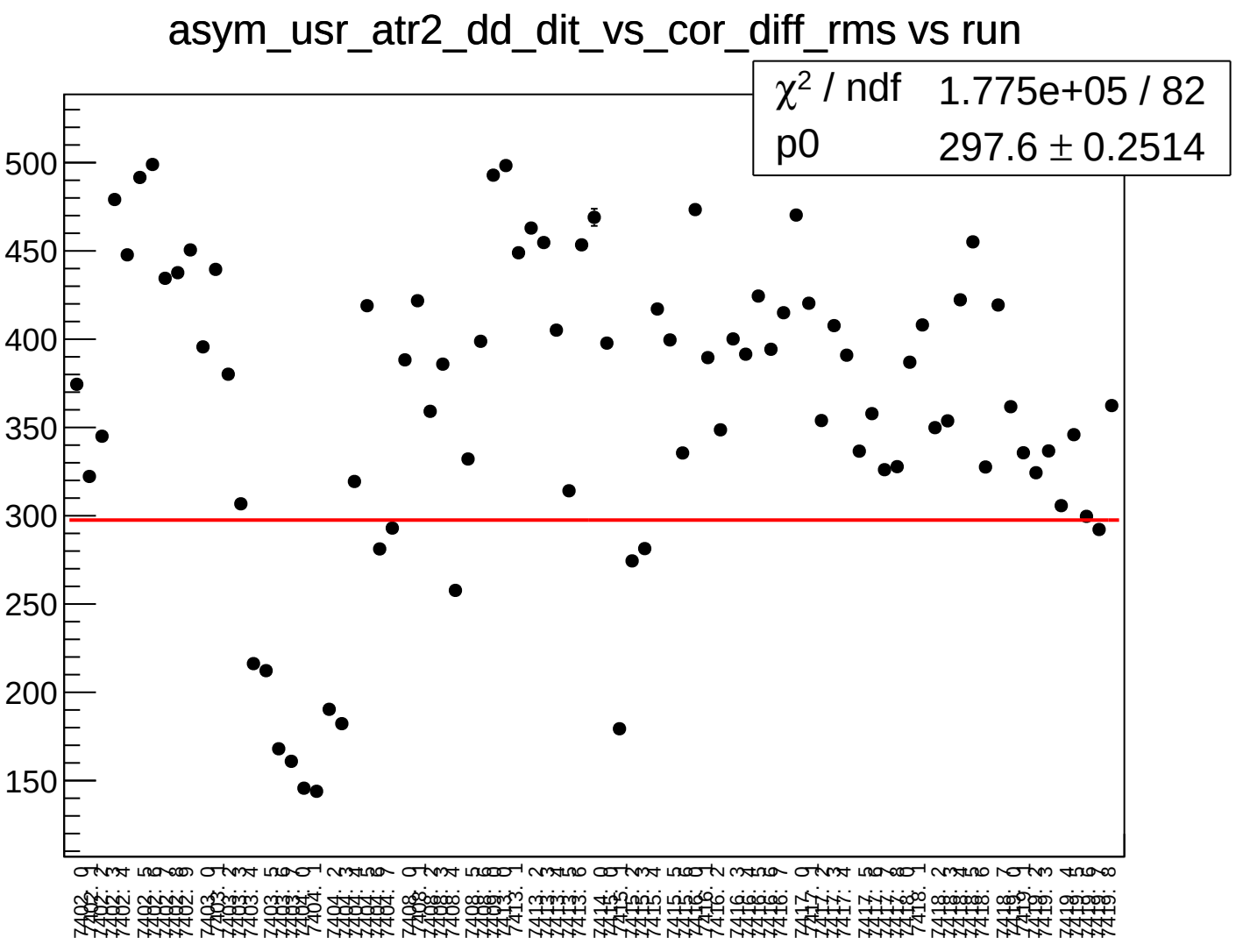

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 71.05 / 82
p0 1.341e−13 ± 9.213e−14
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 83
Mean 41.53
Std Dev 21.44
2
1.5
1
0.5
0
−0.5
−1
−1.5

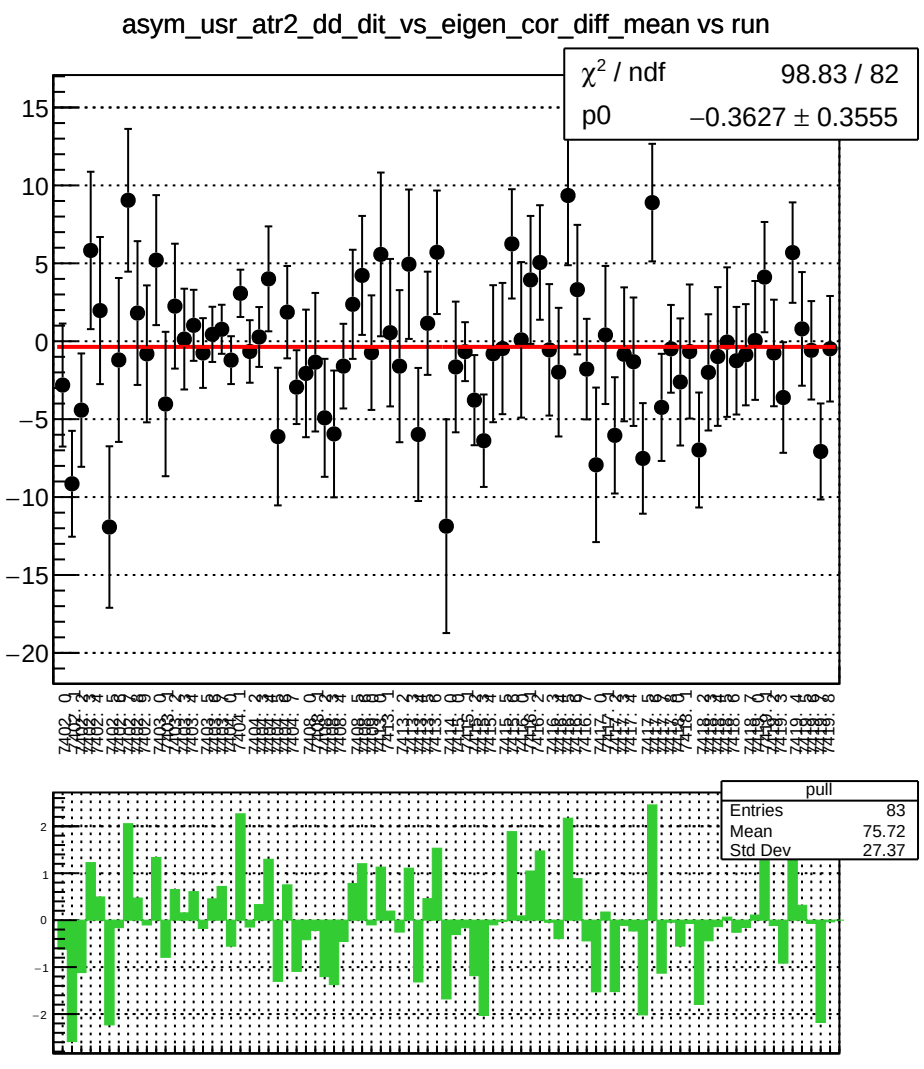

pull1D
Entries 83
Mean 0.101
Std Dev 0.9197
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

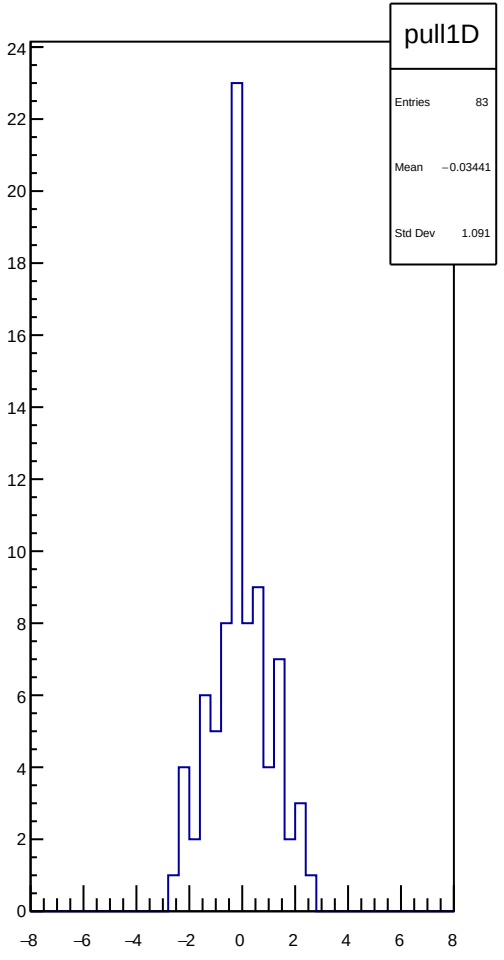

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.311e+06 / 82
p0 3.368e−11 ± 6.514e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

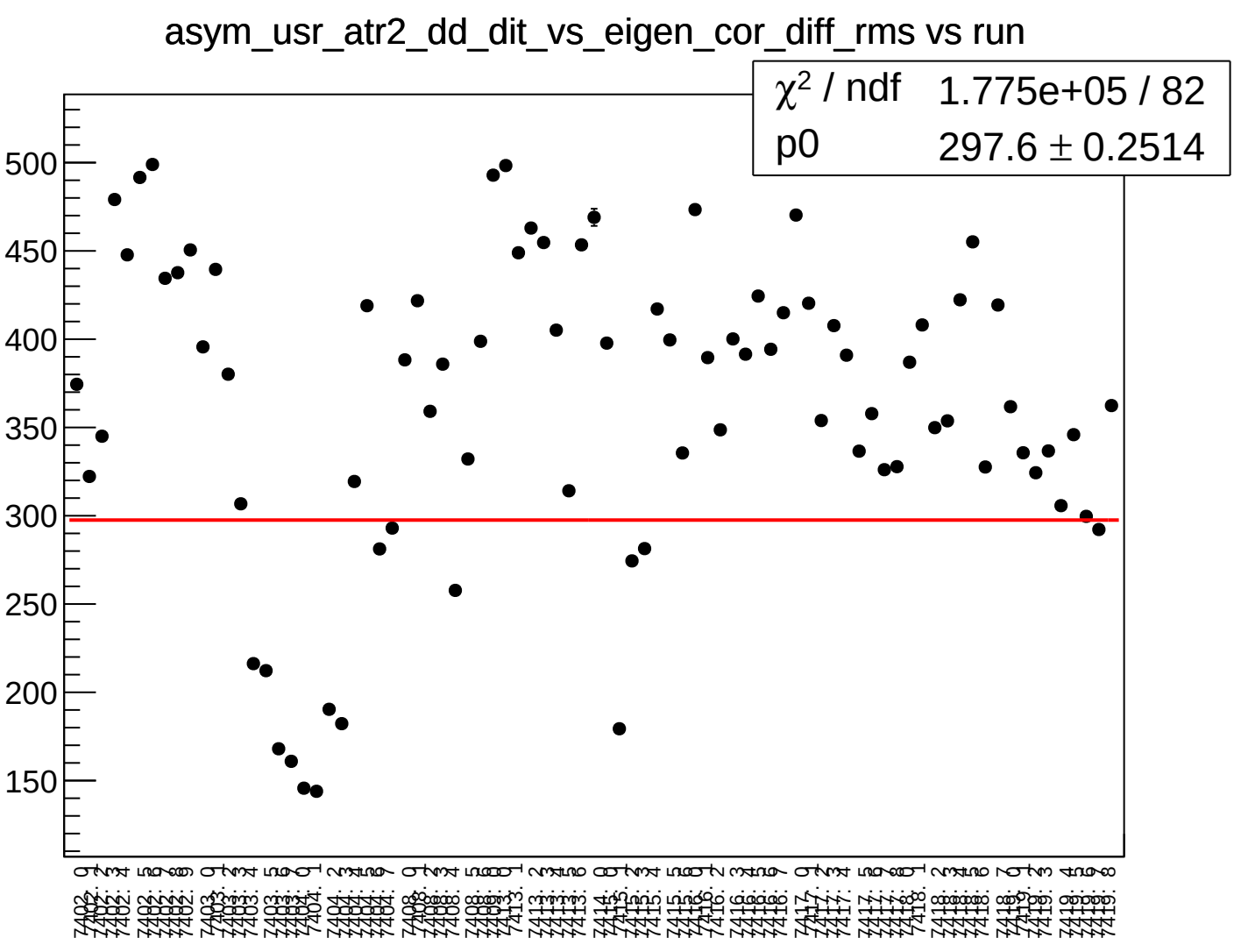

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 98.83 / 82
p0 −0.3627 ± 0.3555
pull
Entries 83
Mean 75.72
Std Dev 27.37

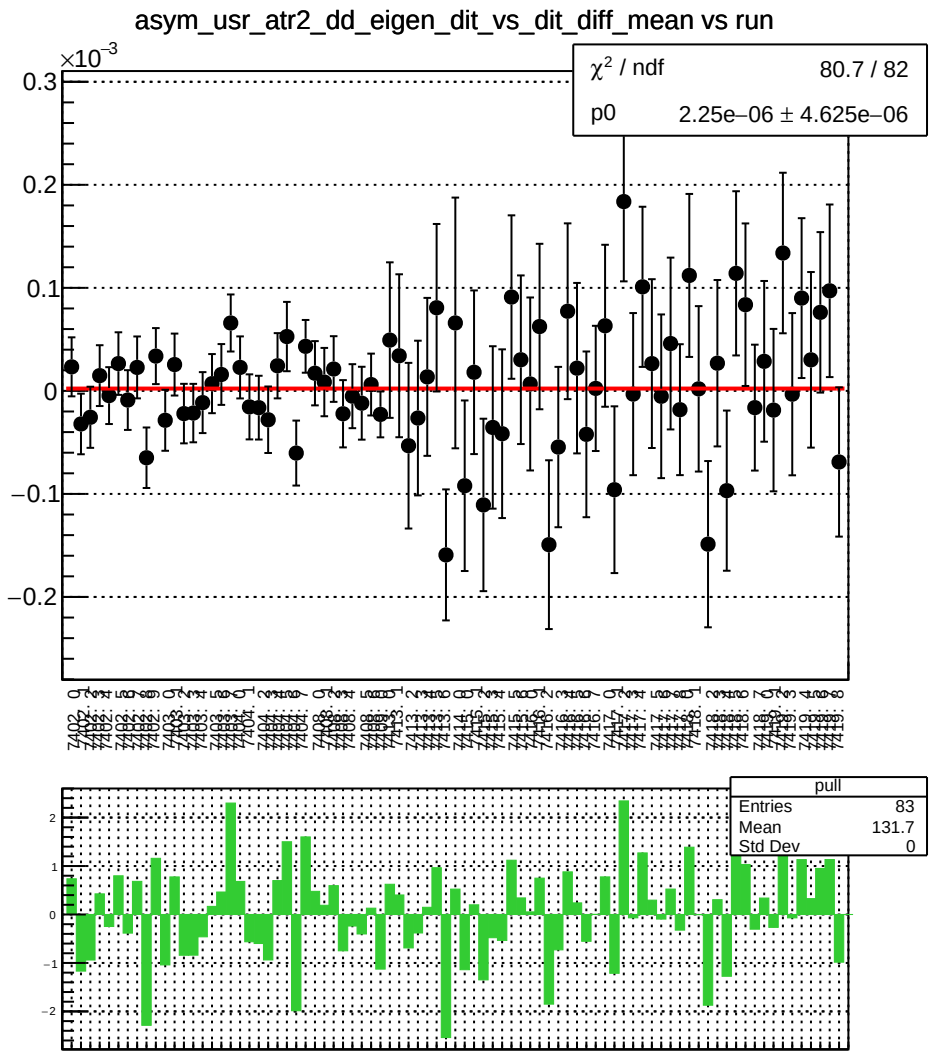

pull1D
Entries 83
Mean −0.03441
Std Dev 1.091

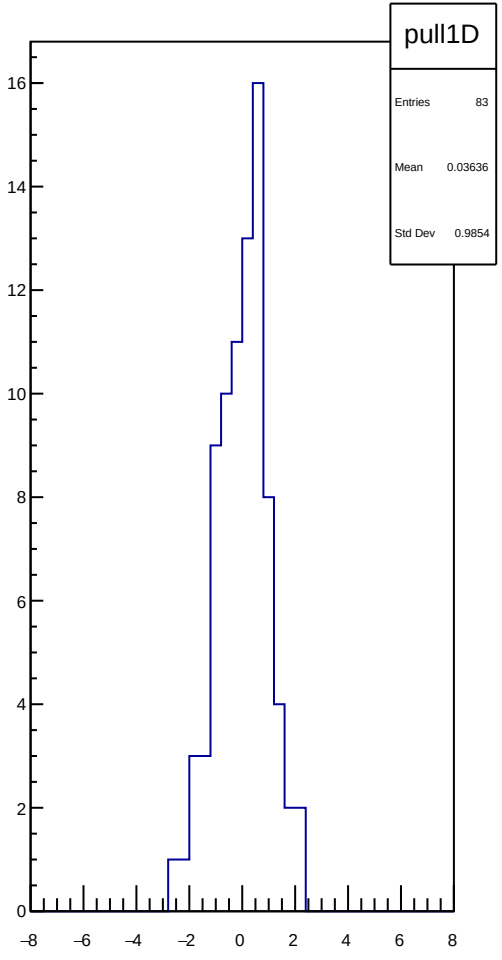

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.775e+05 / 82
p0 297.6 ± 0.2514
500
450
400
350
300
250
200
150

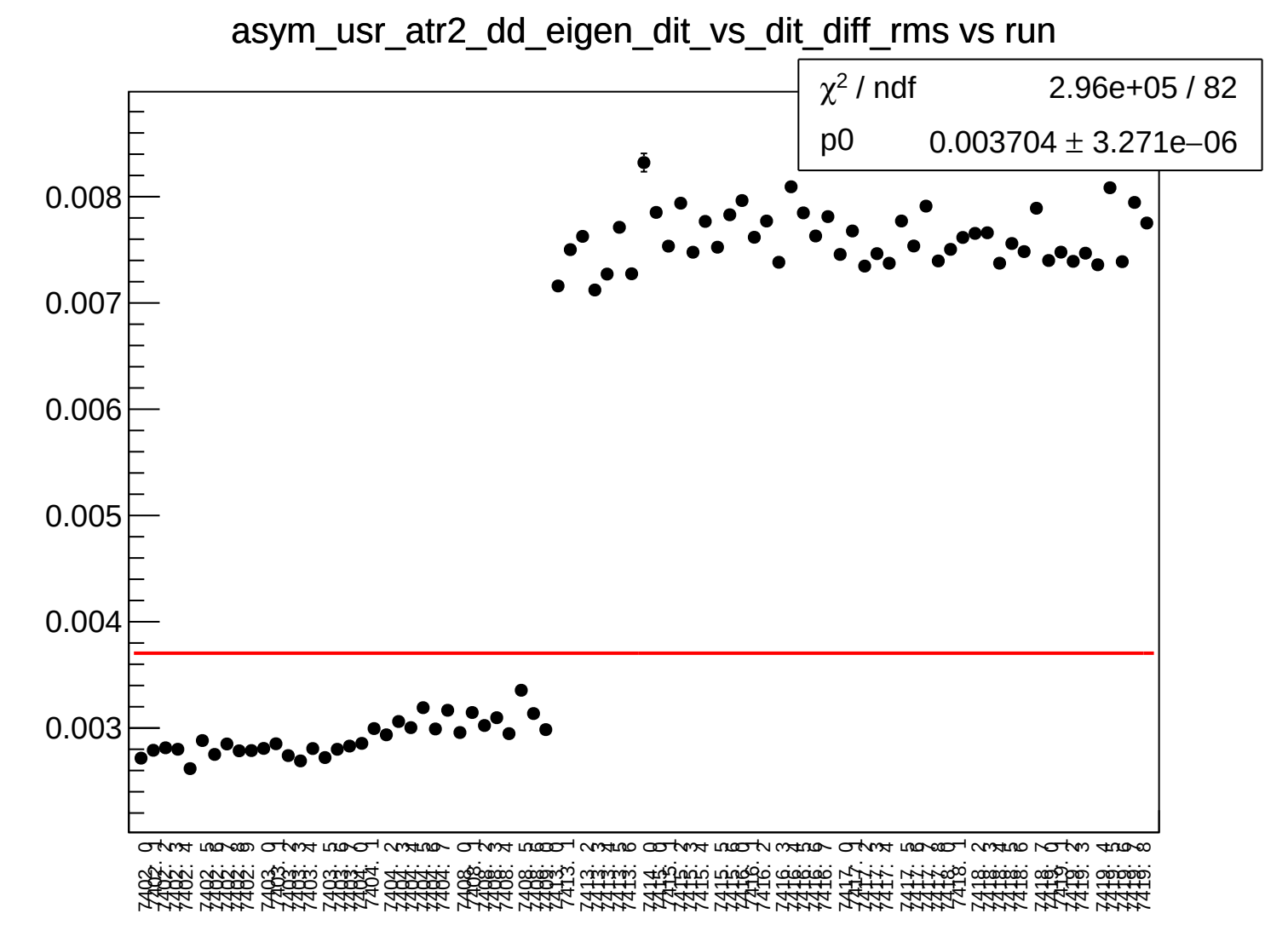

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.83 / 82
p0 −0.3627 ± 0.3555
pull
Entries 83
Mean 75.72
Std Dev 27.37

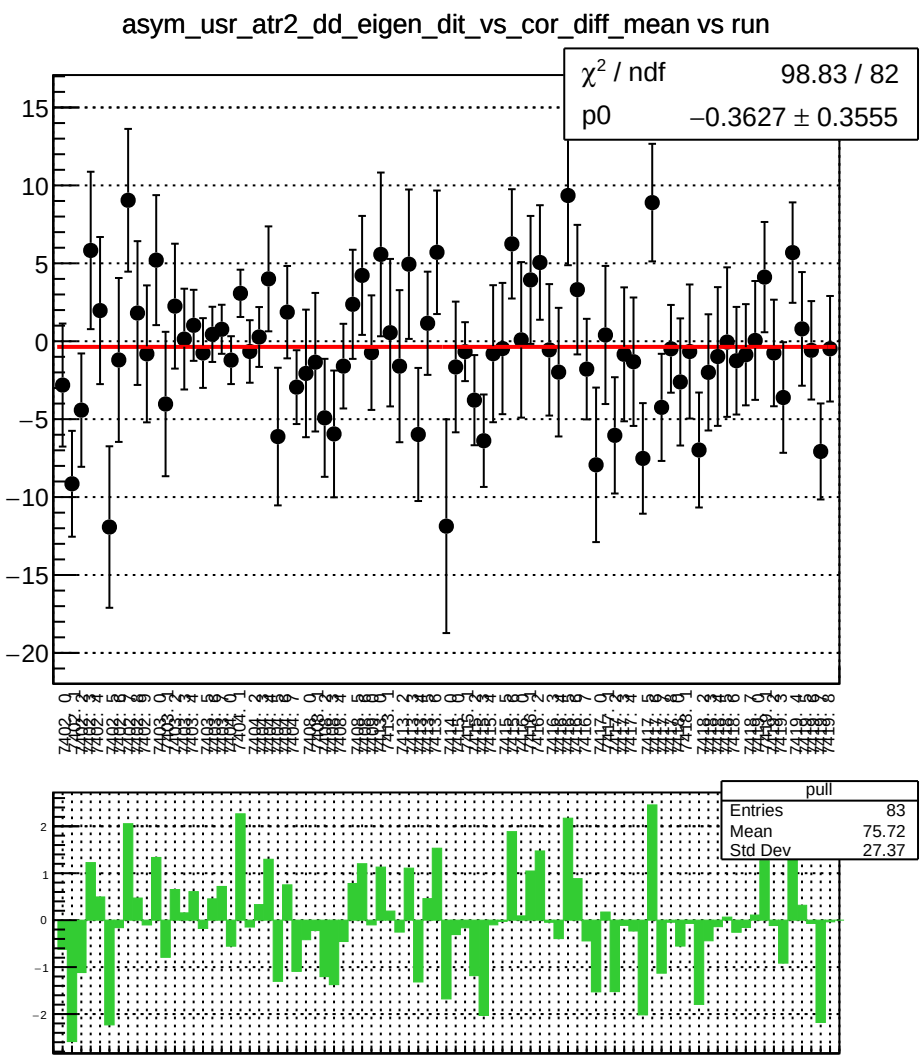

pull1D
Entries 83
Mean −0.03441
Std Dev 1.091

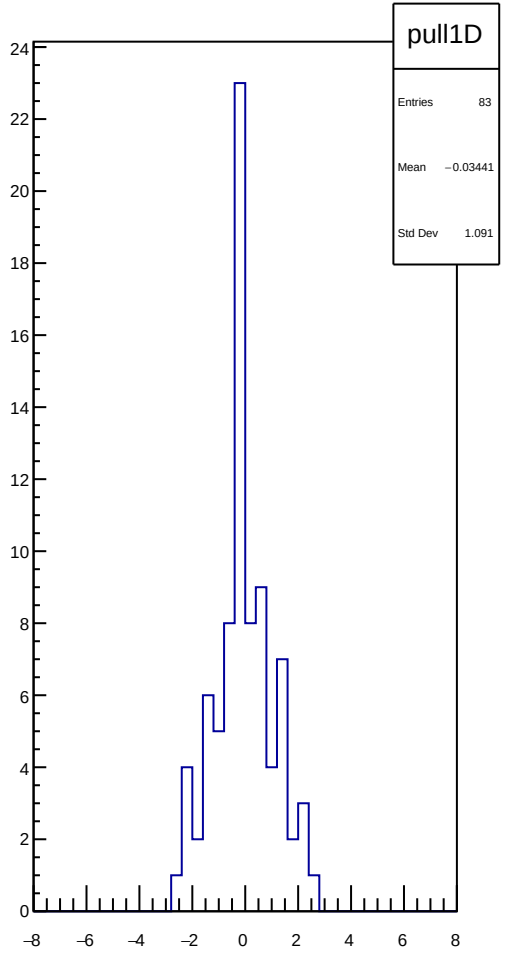

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.775e+05 / 82
p0 297.6 ± 0.2514
500
450
400
350
300
250
200
150

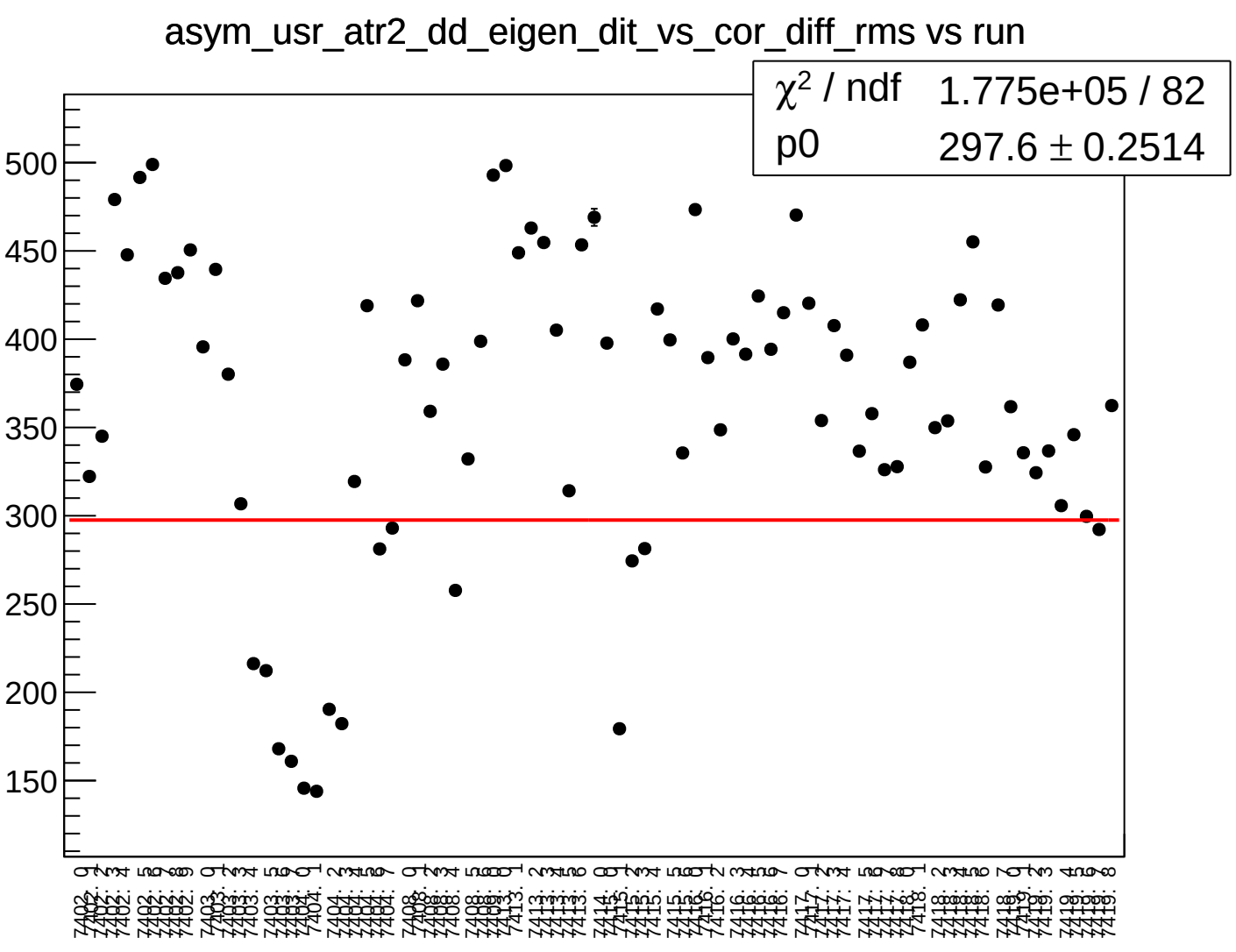

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.7 / 82
p0 2.25e−06 ± 4.625e−06
pull
Entries 83
Mean 131.7
Std Dev 0

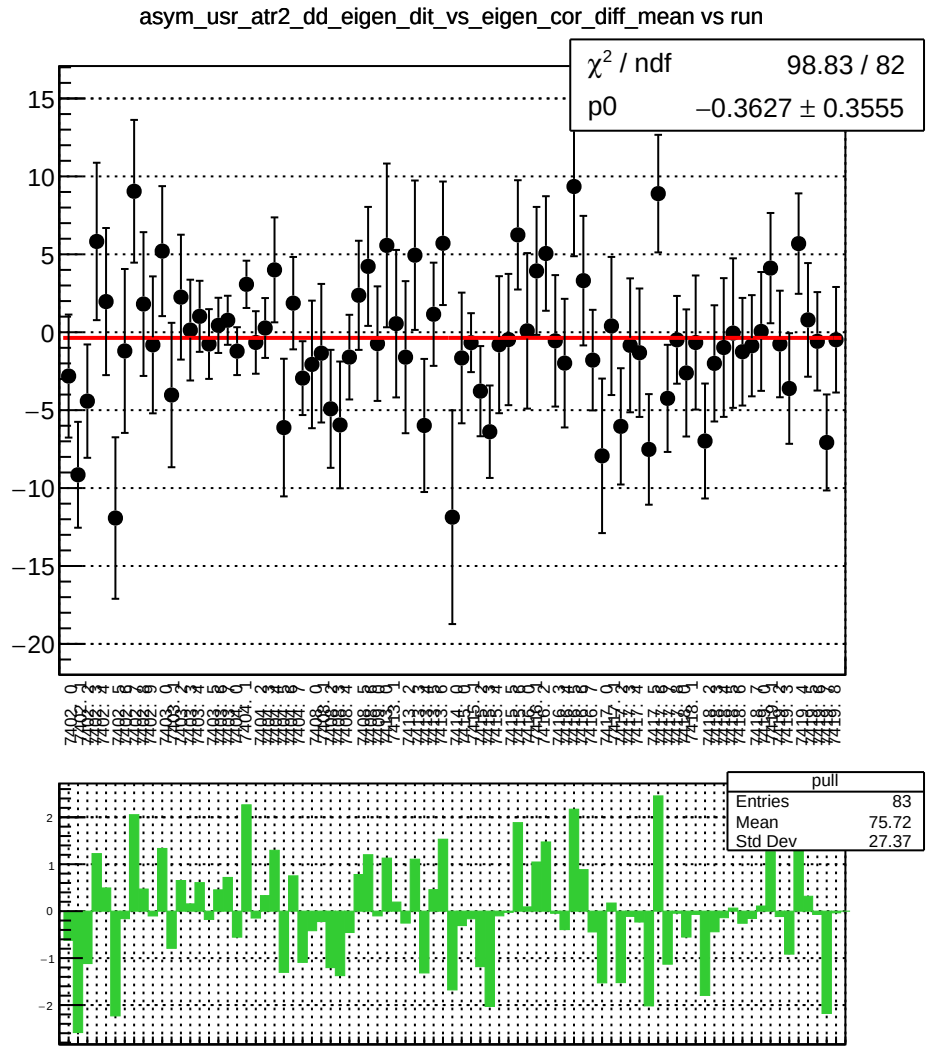

pull1D
Entries 83
Mean 0.03636
Std Dev 0.9854

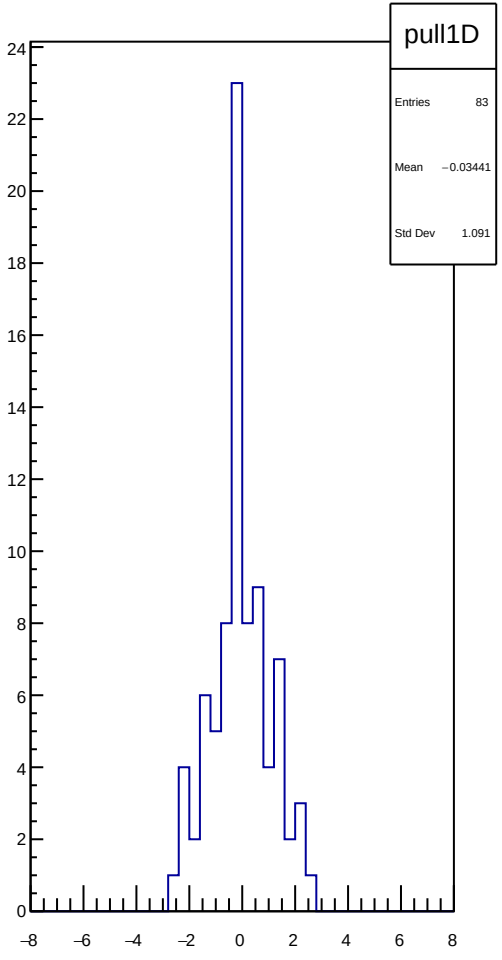

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.96e+05 / 82
p0 0.003704 ± 3.271e−06
0.008
0.007
0.006
0.005
0.004
0.003

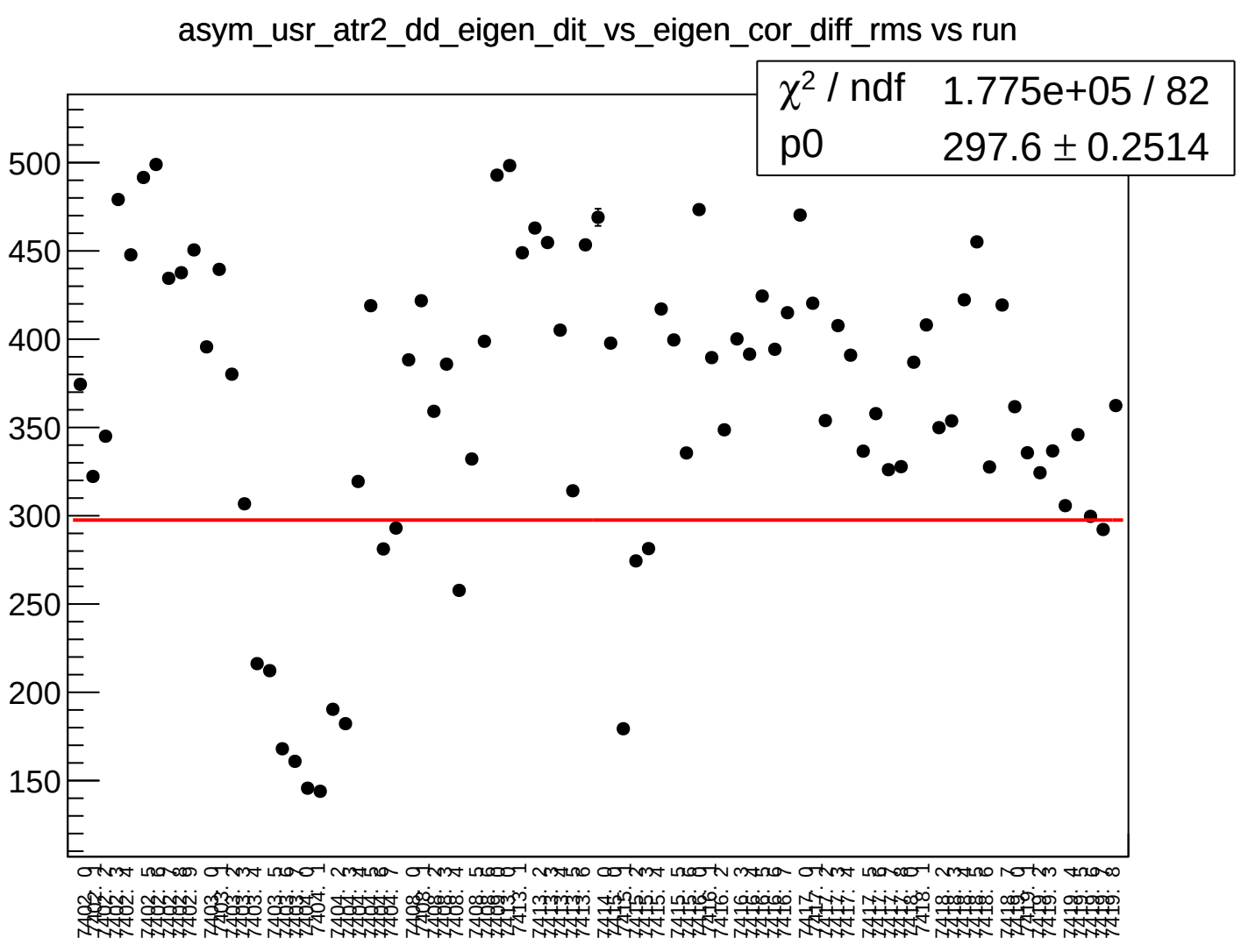

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.83 / 82
p0 −0.3627 ± 0.3555
pull
Entries 83
Mean 75.72
Std Dev 27.37

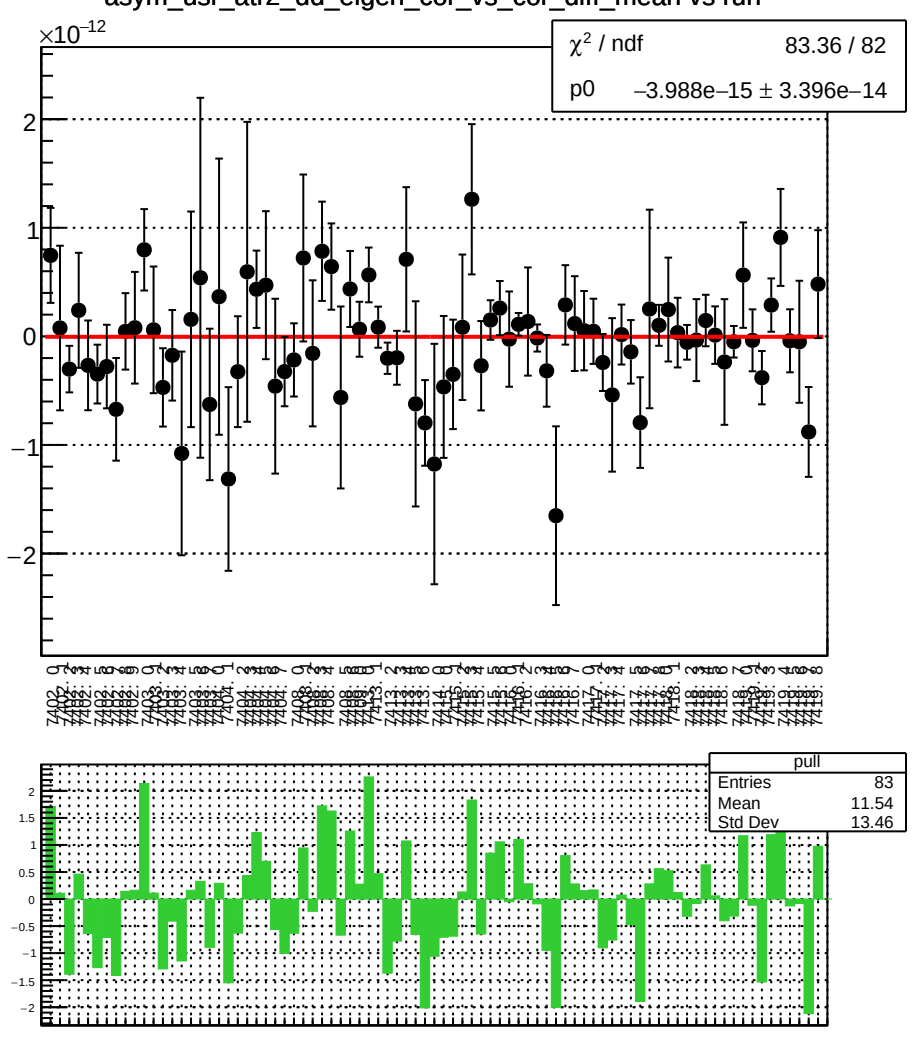

pull1D
Entries 83
Mean −0.03441
Std Dev 1.091

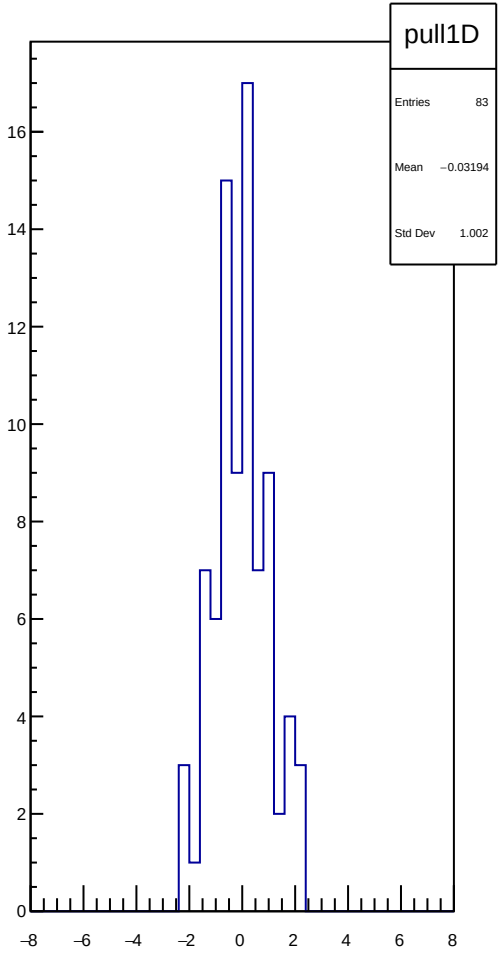

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.775e+05 / 82
p0 297.6 ± 0.2514
500
450
400
350
300
250
200
150

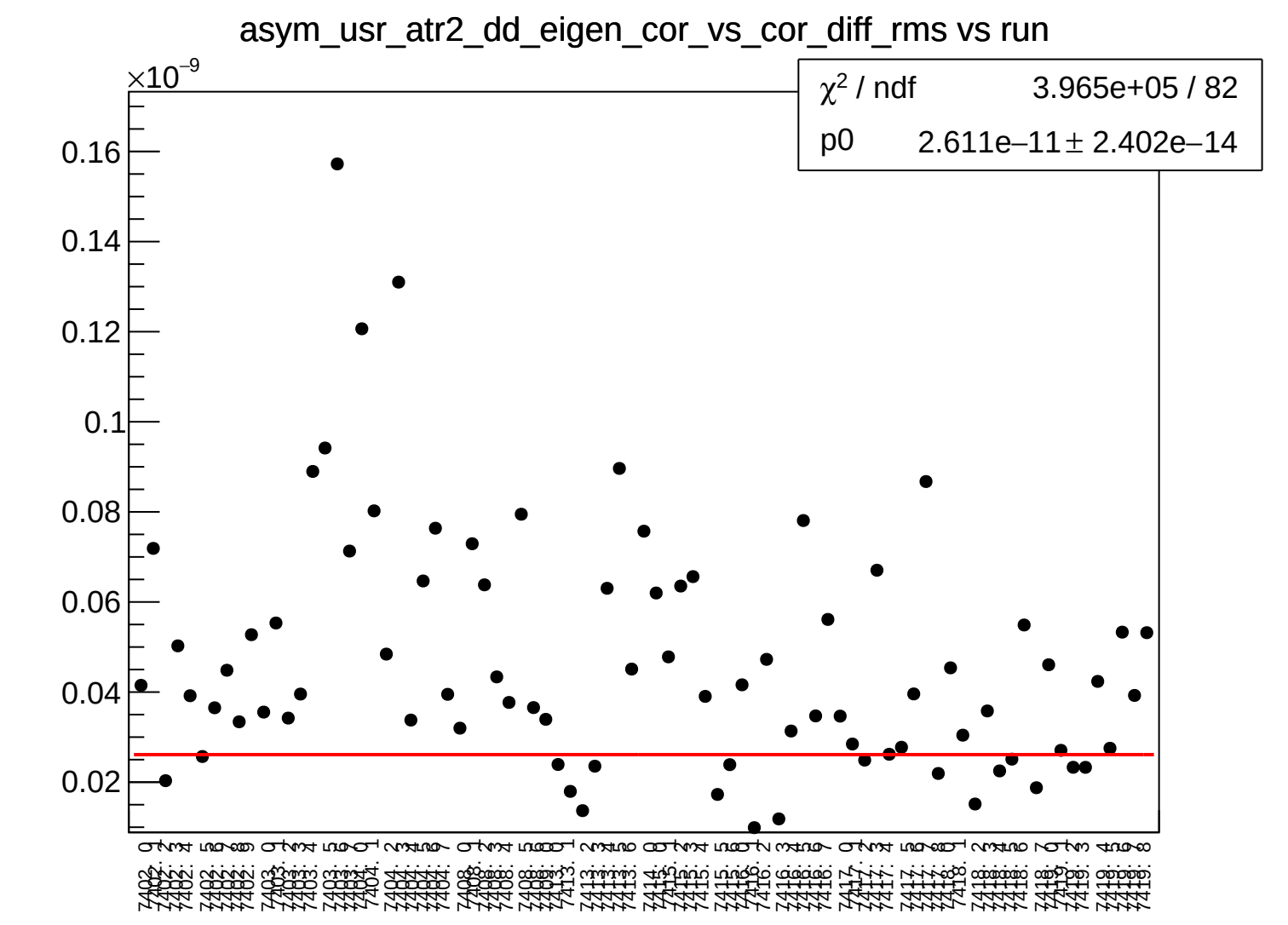

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.83 / 82
p0 −0.3627 ± 0.3555
pull
Entries 83
Mean 75.72
Std Dev 27.37

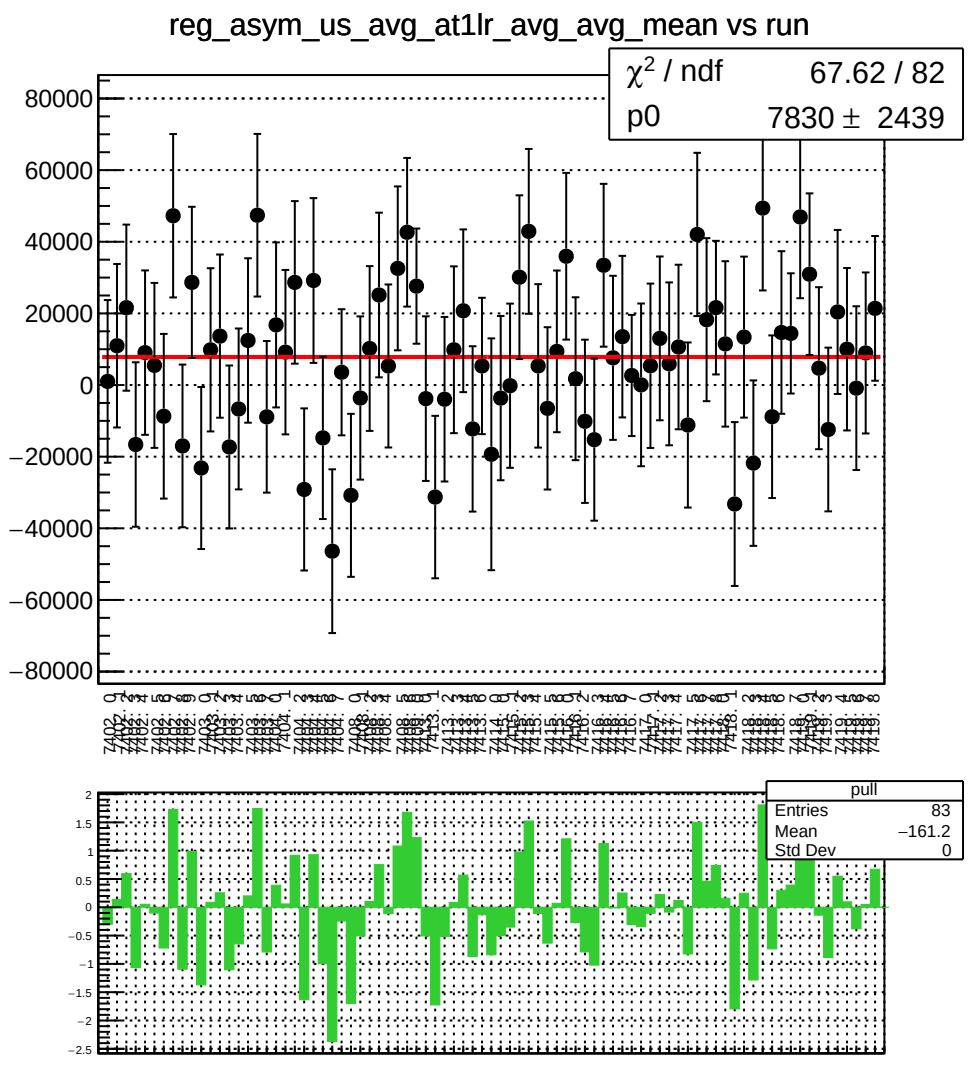

pull1D
Entries 83
Mean −0.03441
Std Dev 1.091

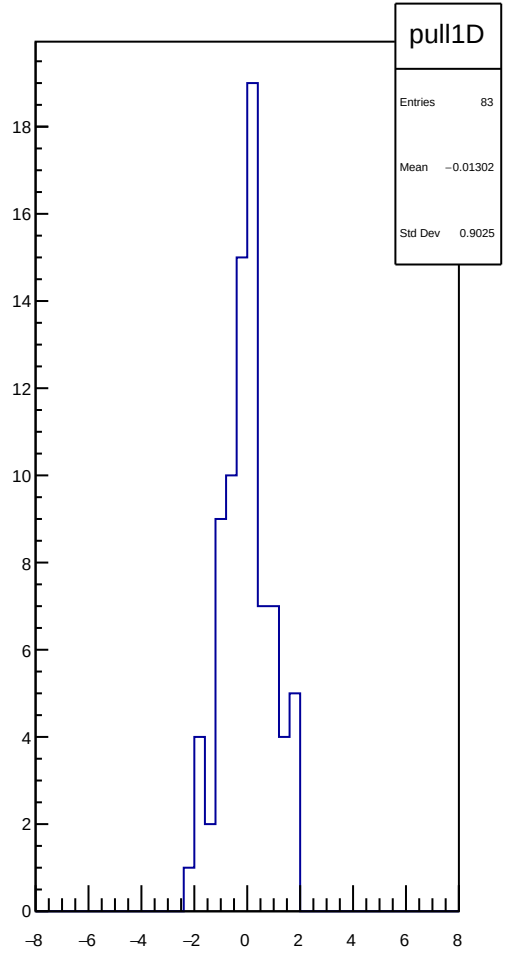

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.775e+05 / 82
p0 297.6 ± 0.2514
500
450
400
350
300
250
200
150

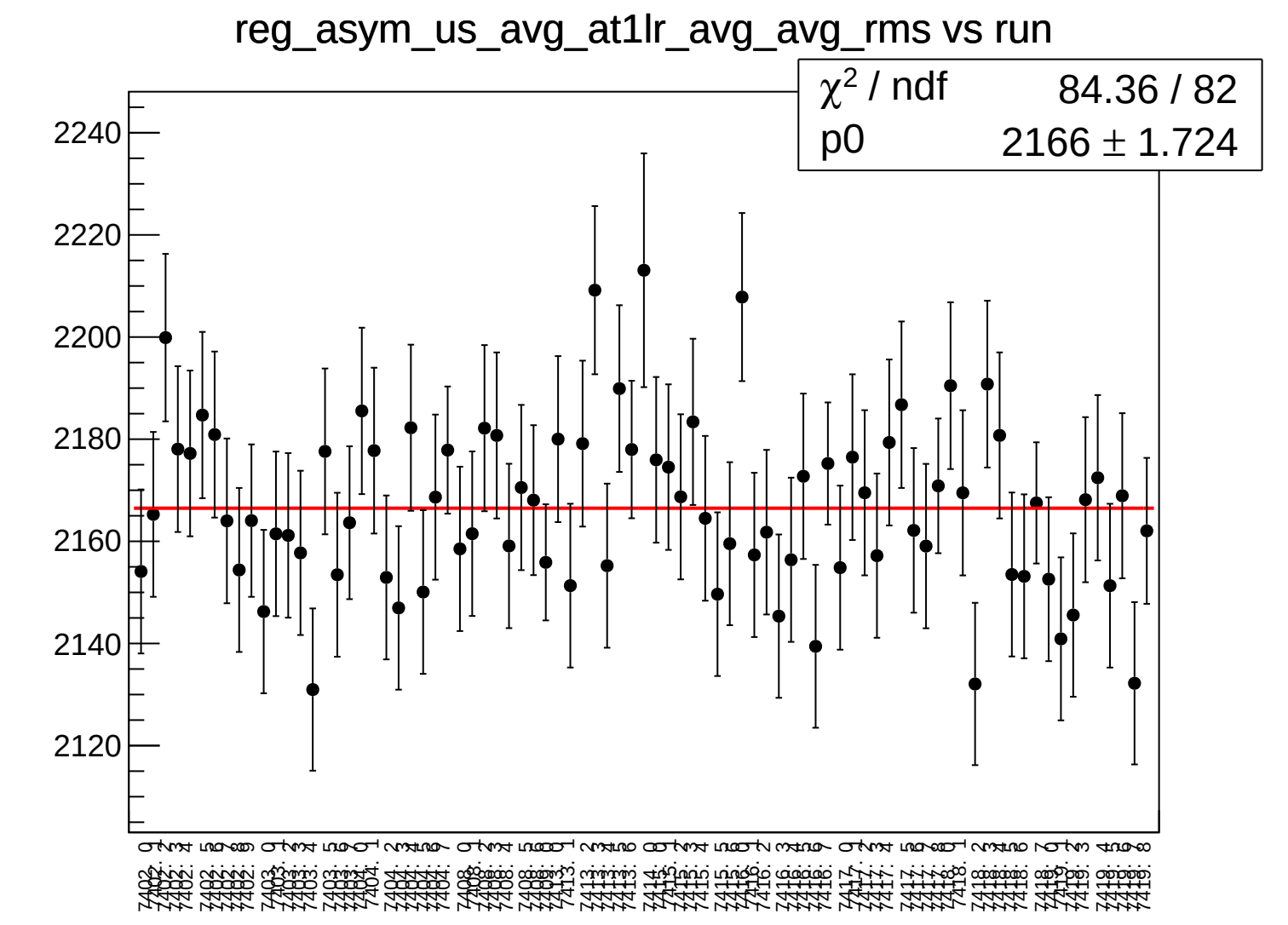

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.36 / 82
p0 −3.988e−15 ± 3.396e−14
pull
Entries 83
Mean 11.54
Std Dev 13.46

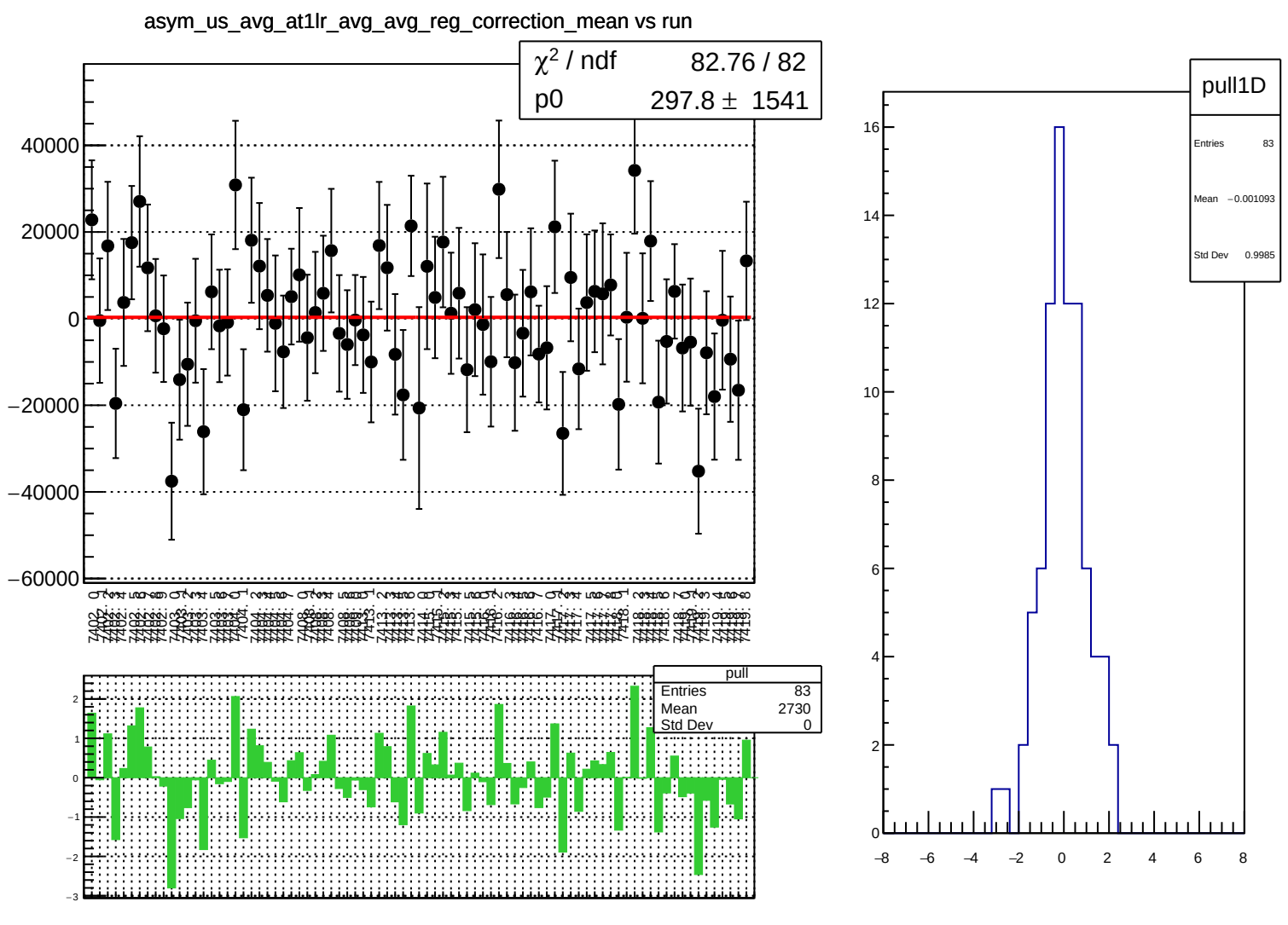

pull1D
Entries 83
Mean −0.03194
Std Dev 1.002

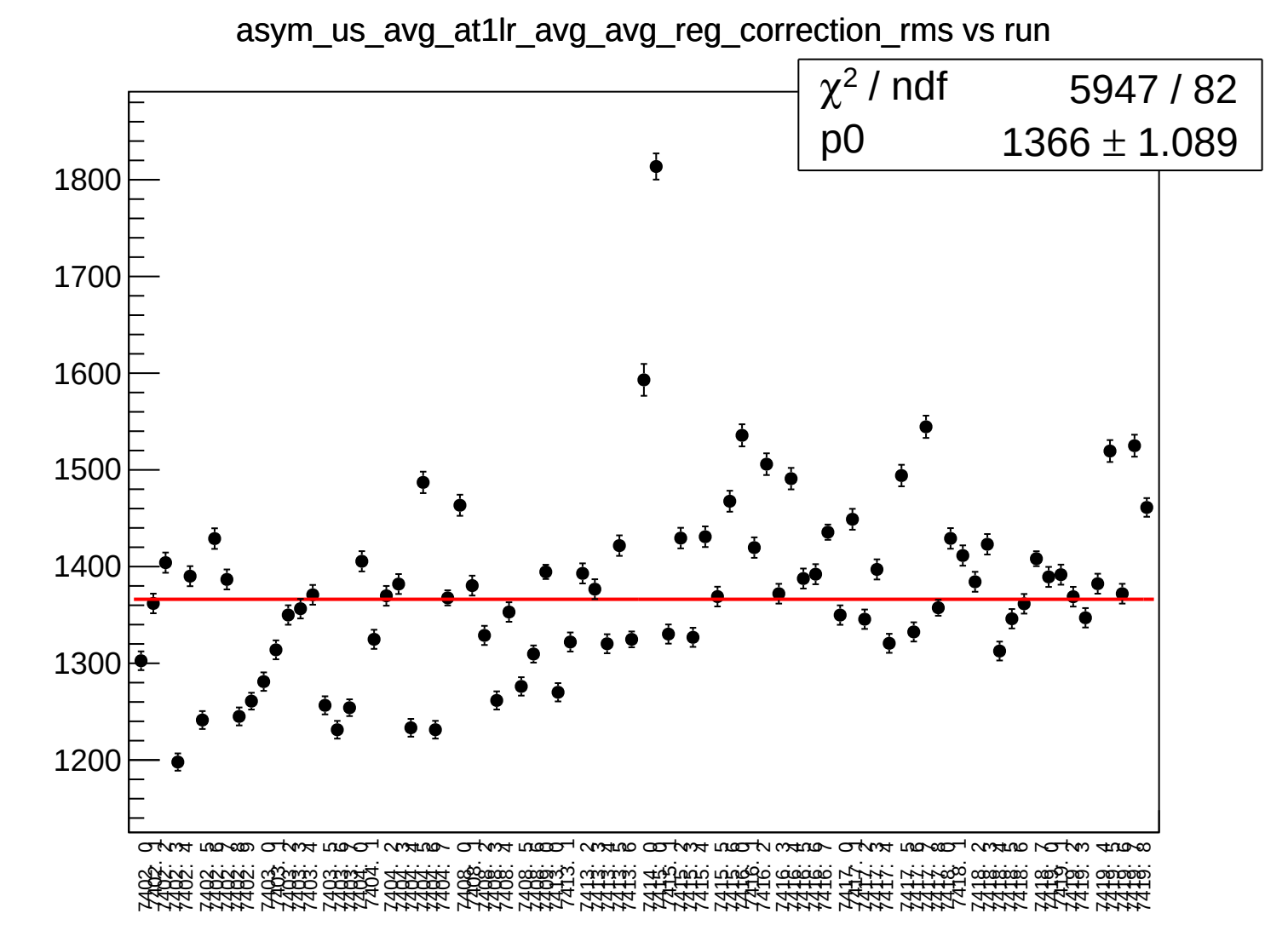

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.965e+05 / 82
p0 2.611e−11 ± 2.402e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

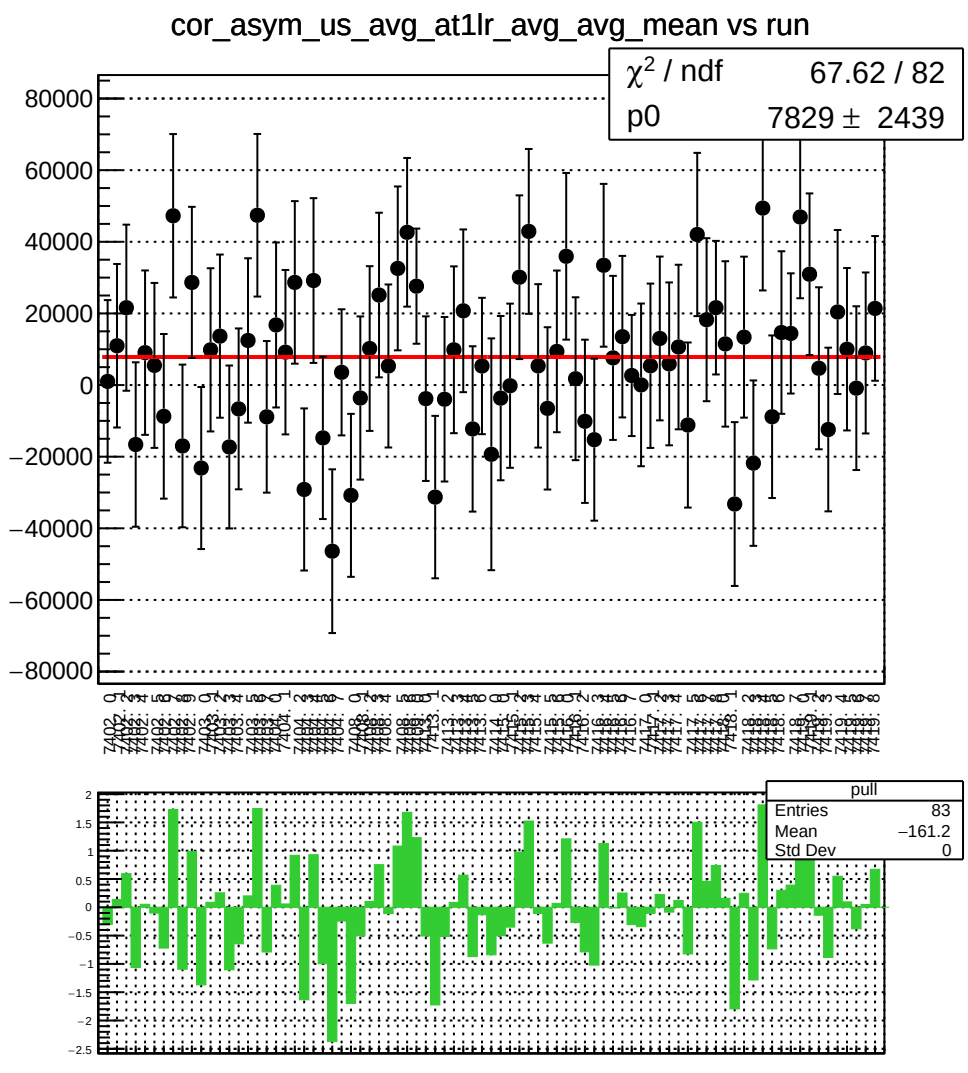

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.62 / 82
p0 7830 ± 2439
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −161.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

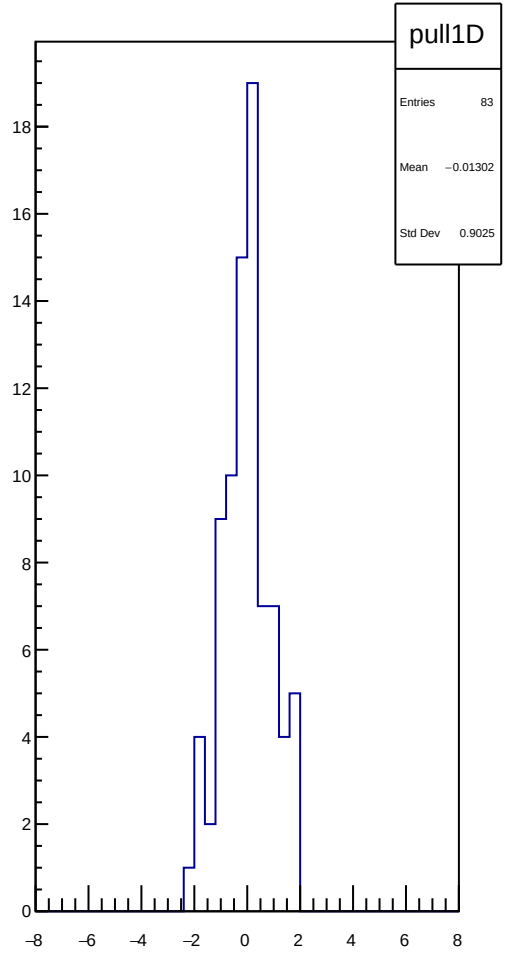

pull1D
Entries 83
Mean −0.01302
Std Dev 0.9025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

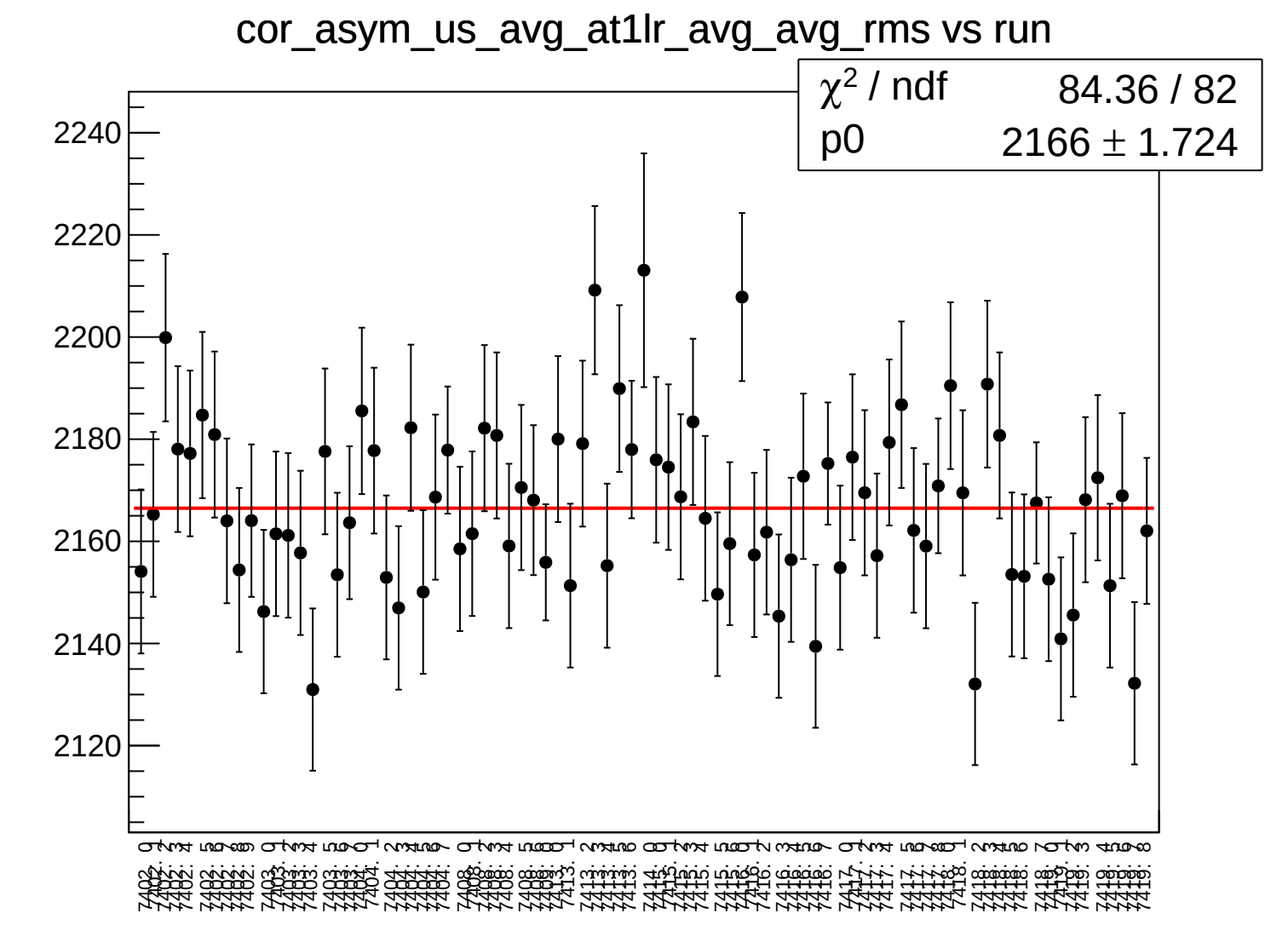

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ^2 / ndf 84.36 / 82
p0 2166 ± 1.724
2240
2220
2200
2180
2160
2140
2120

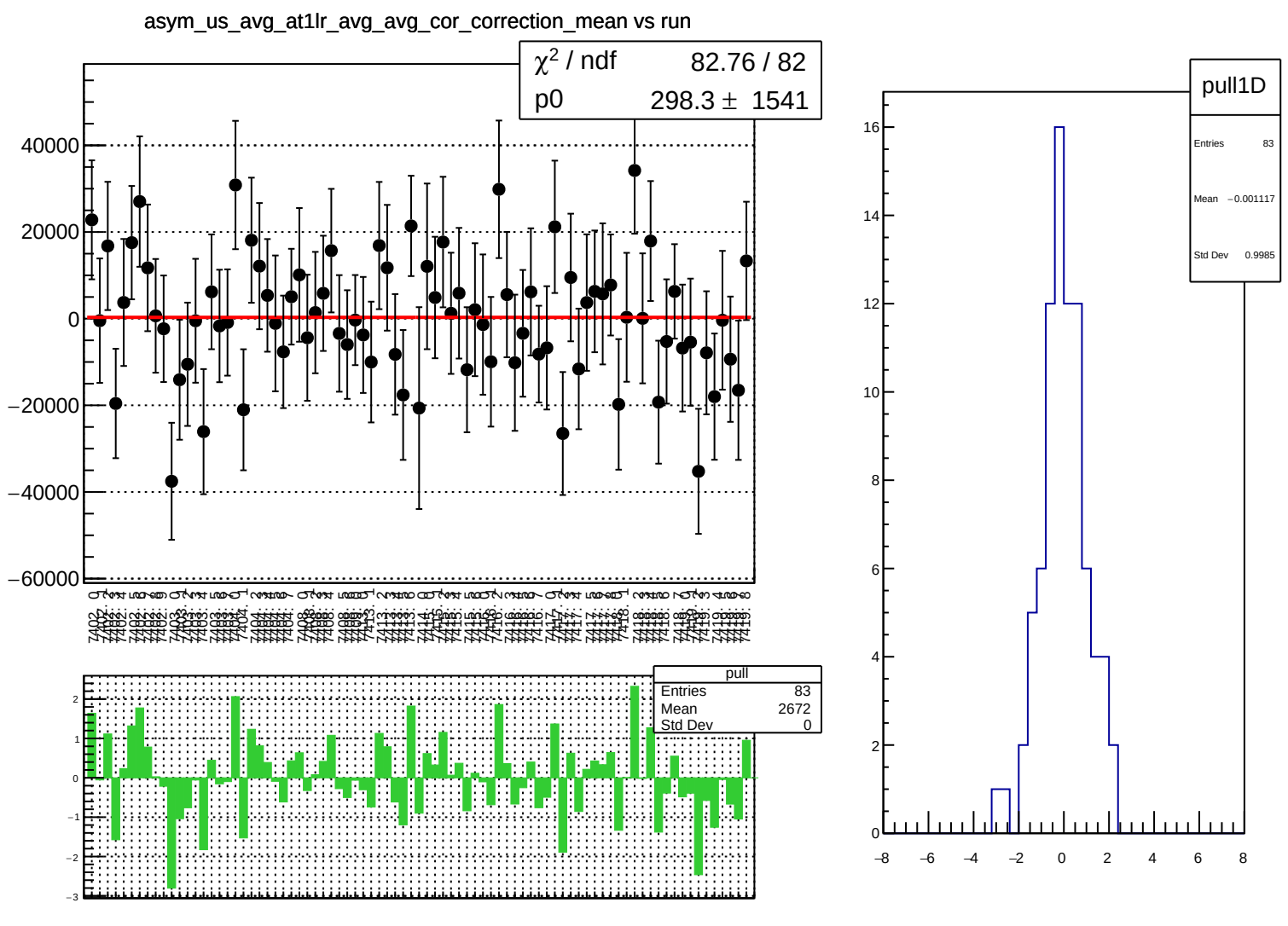

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
χ² / ndf 82.76 / 82
p0 297.8 ± 1541
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 2730
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.001093
Std Dev 0.9985
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

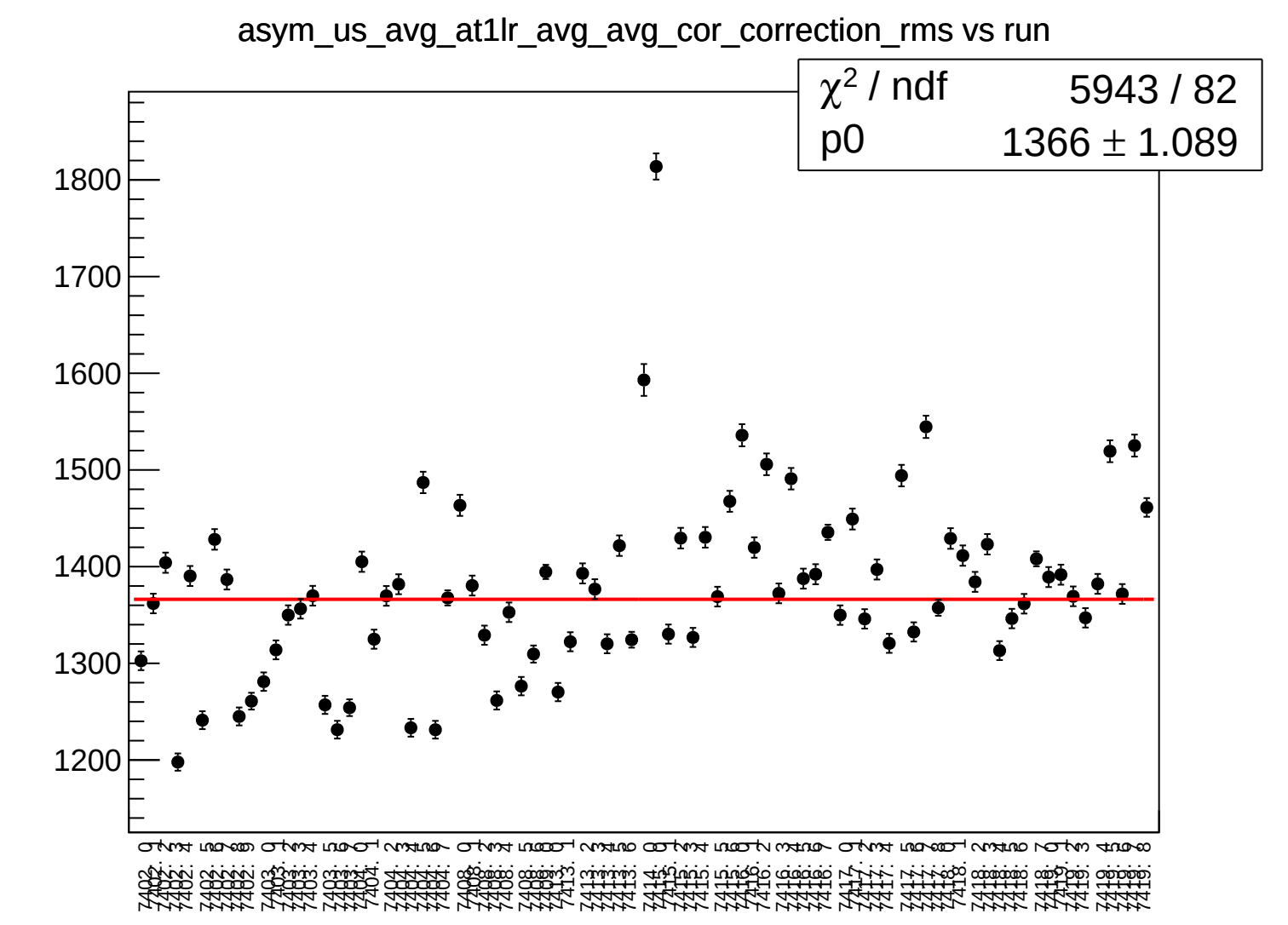

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 5947 / 82
p0 1366 ± 1.089
1800
1700
1600
1500
1400
1300
1200

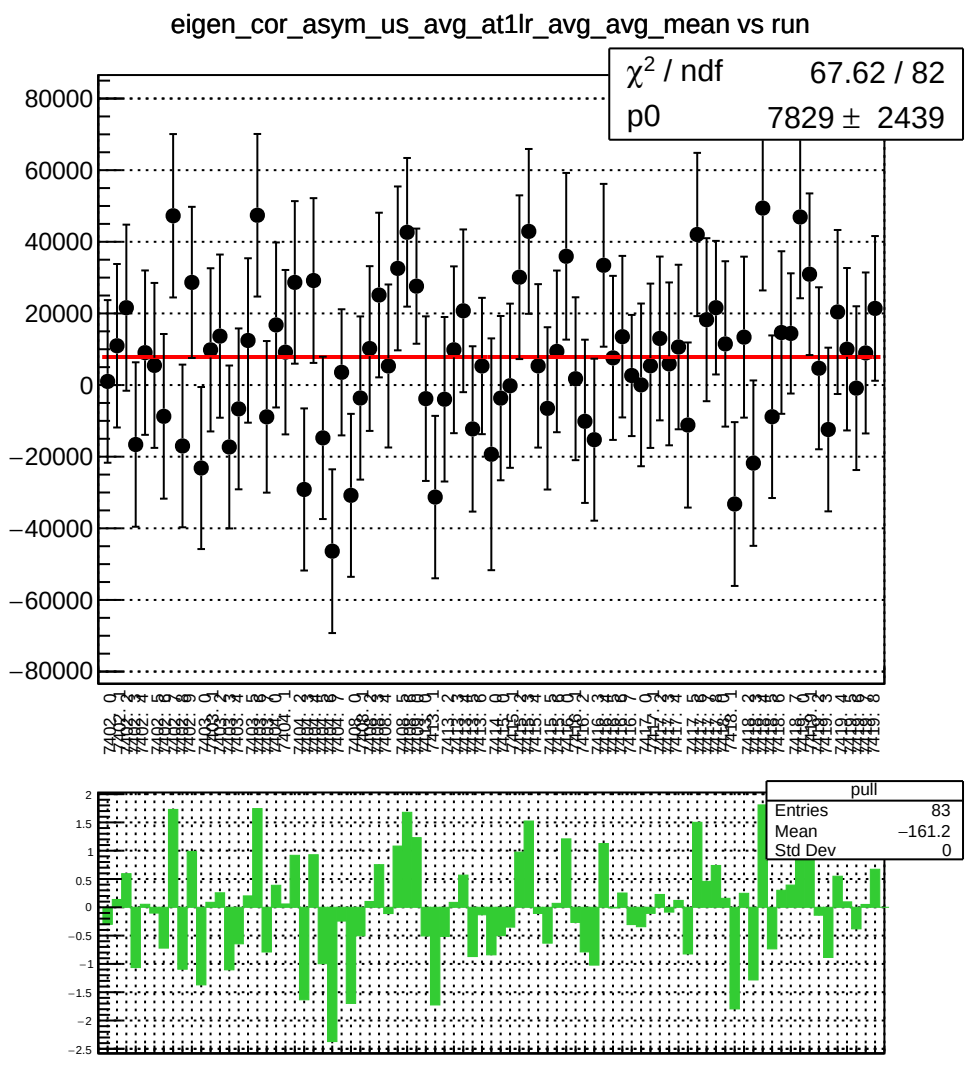

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.62 / 82
p0 7829 ± 2439
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −161.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

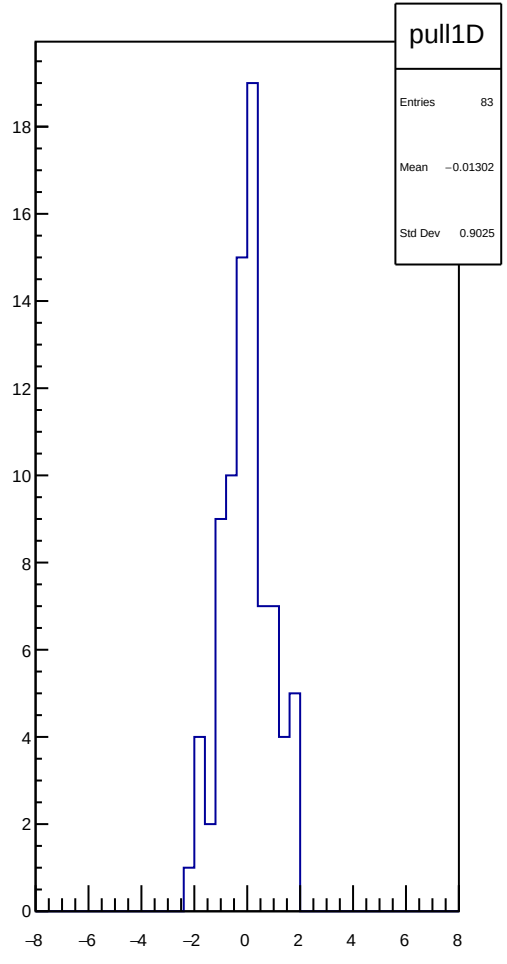

pull1D
Entries 83
Mean −0.01302
Std Dev 0.9025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

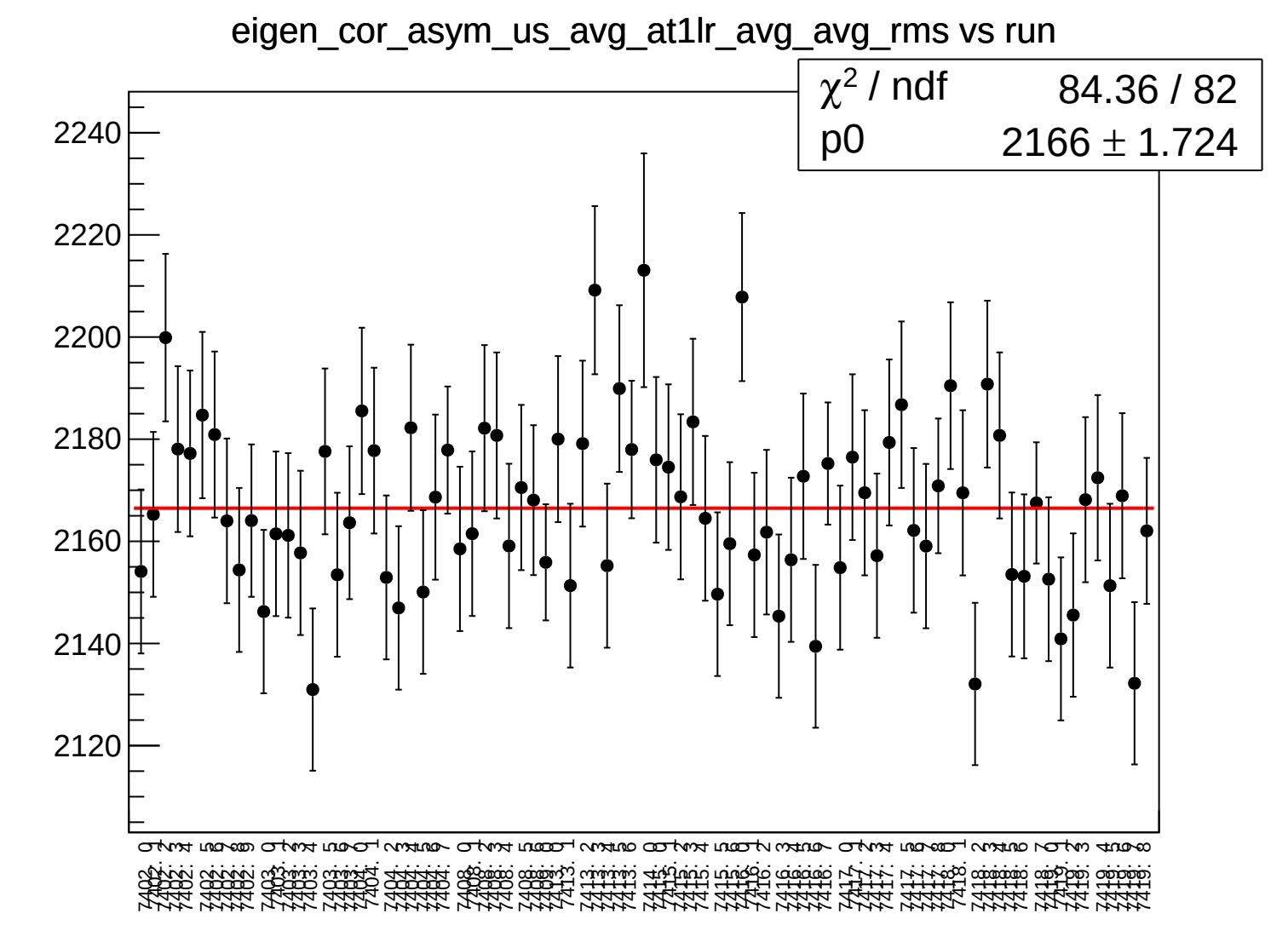

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 84.36 / 82
p0 2166 ± 1.724
2240
2220
2200
2180
2160
2140
2120

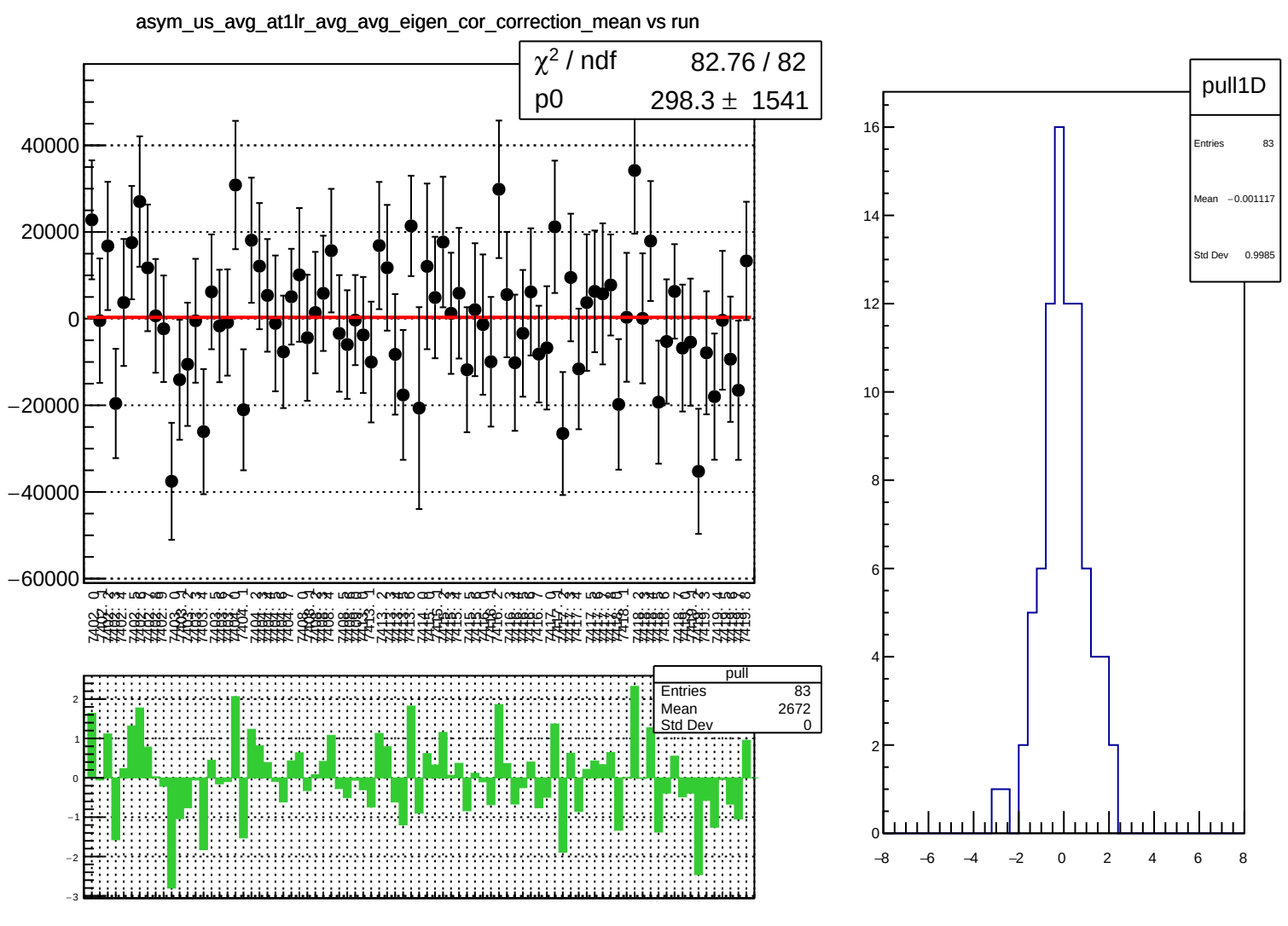

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
χ² / ndf 82.76 / 82
p0 298.3 ± 1541
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 2672
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.001117
Std Dev 0.9985
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

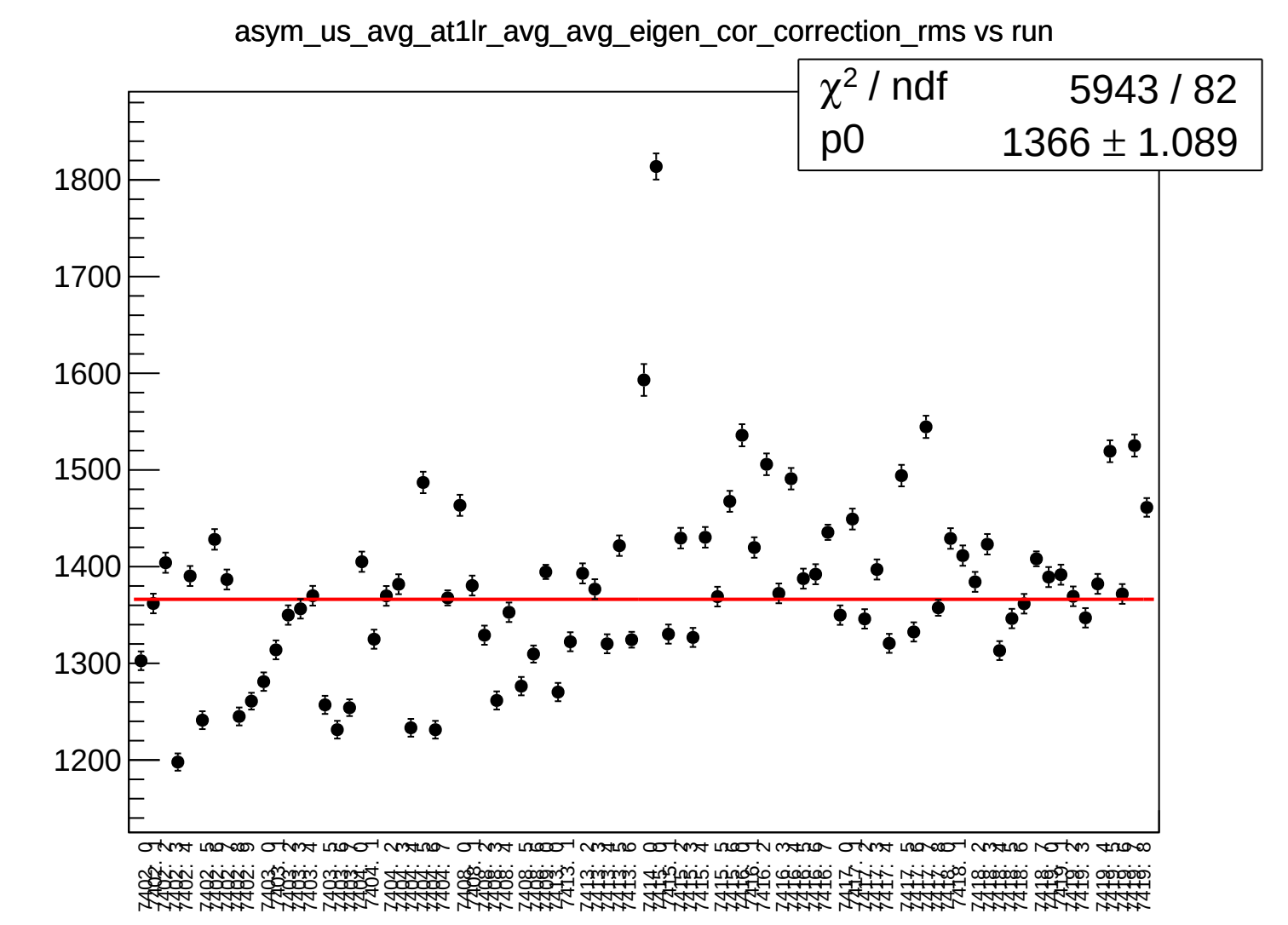

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 5943 / 82
p0 1366 ± 1.089
1800
1700
1600
1500
1400
1300
1200

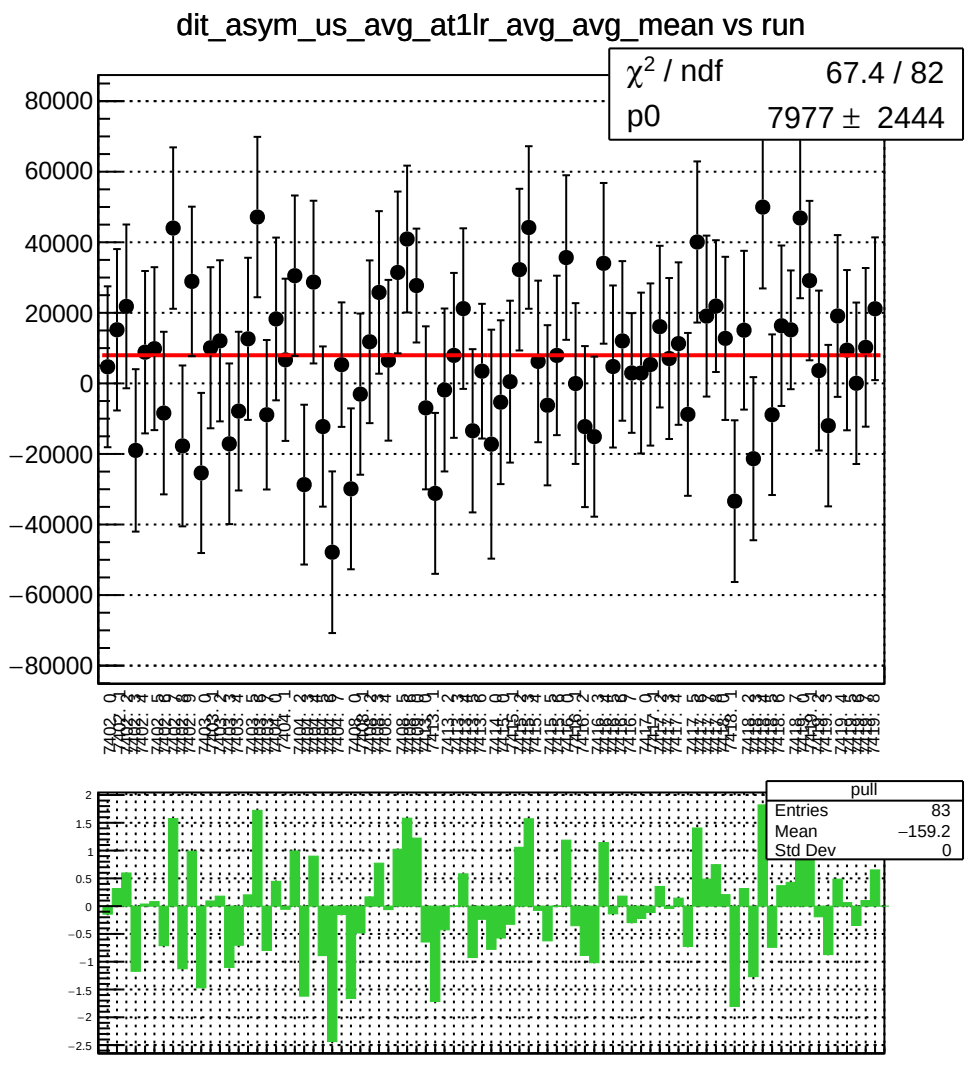

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.62 / 82
p0 7829 ± 2439
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −161.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

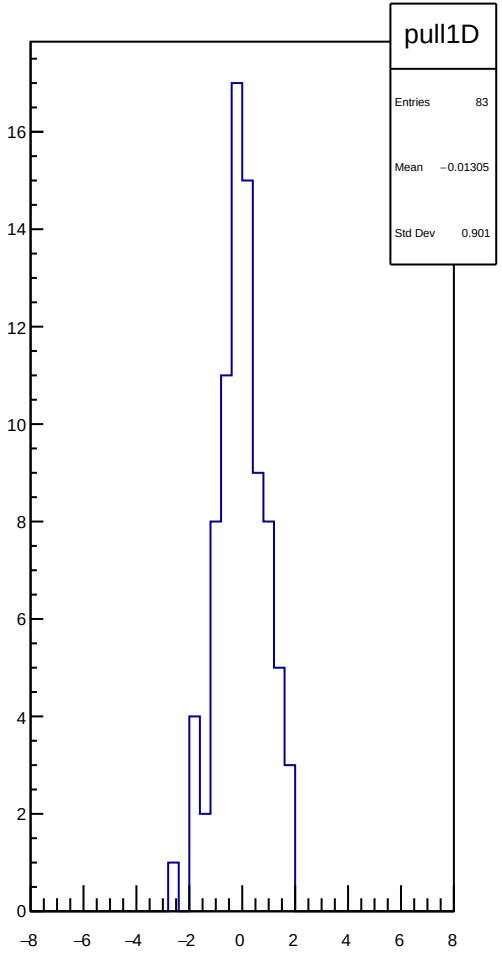

pull1D
Entries 83
Mean −0.01302
Std Dev 0.9025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

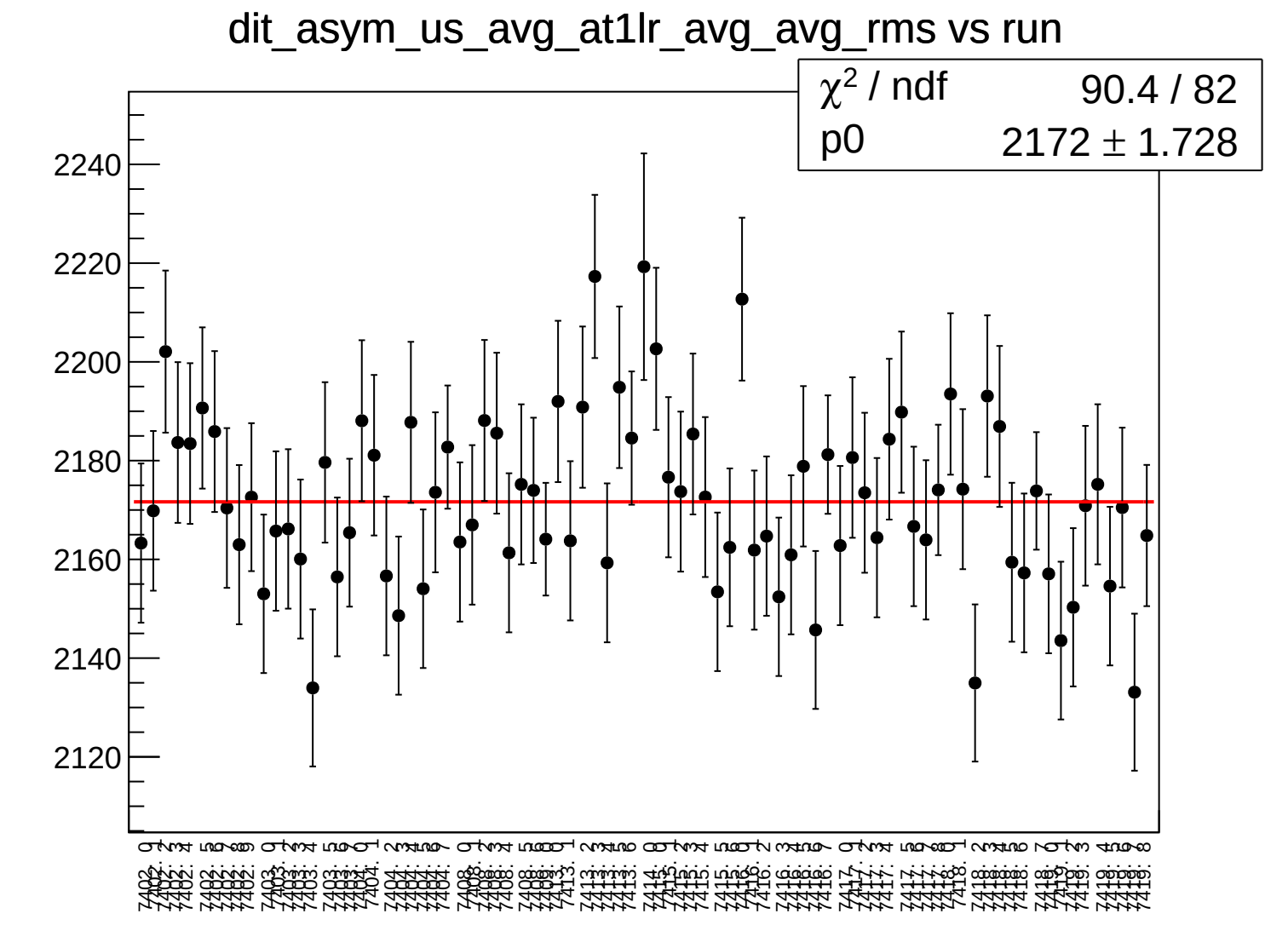

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 84.36 / 82
p0 2166 ± 1.724
2240
2220
2200
2180
2160
2140
2120

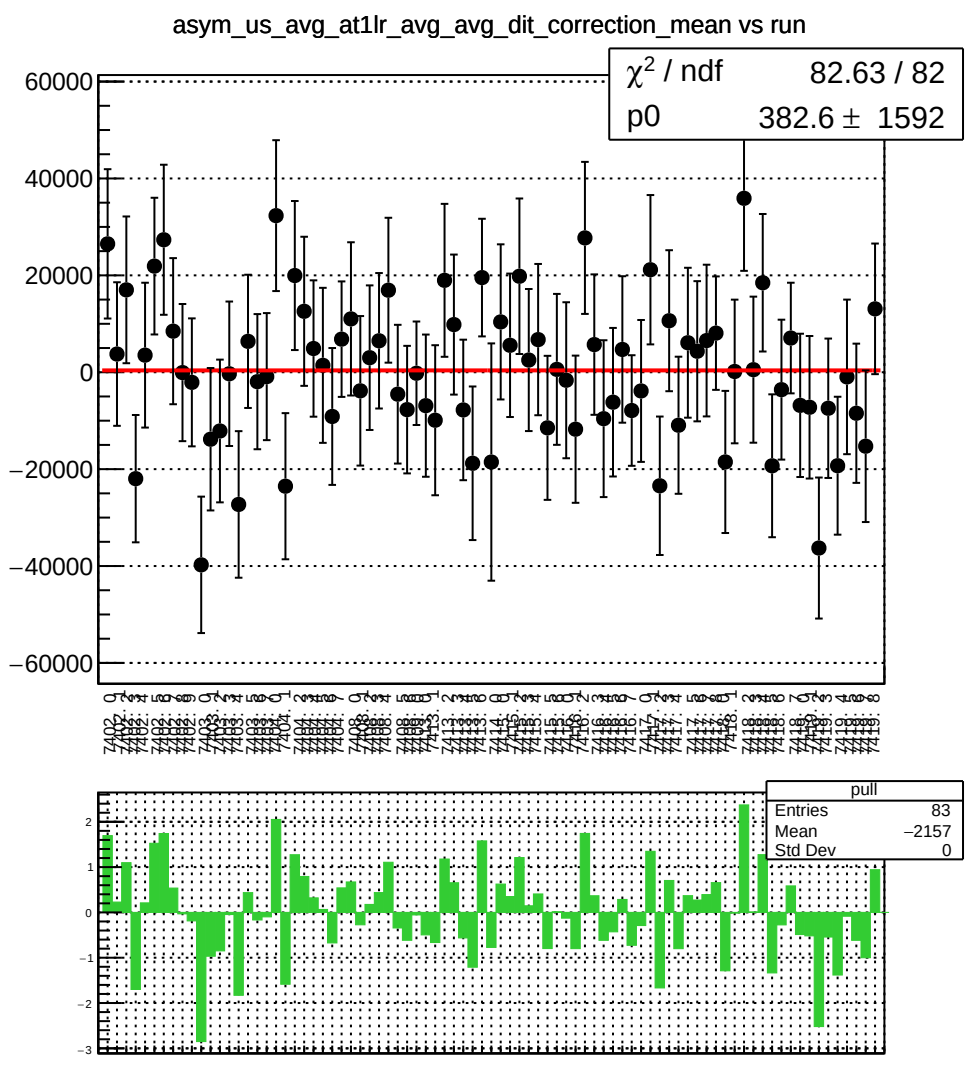

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 82.76 / 82
p0 298.3 ± 1541
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 2672
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.001117
Std Dev 0.9985
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

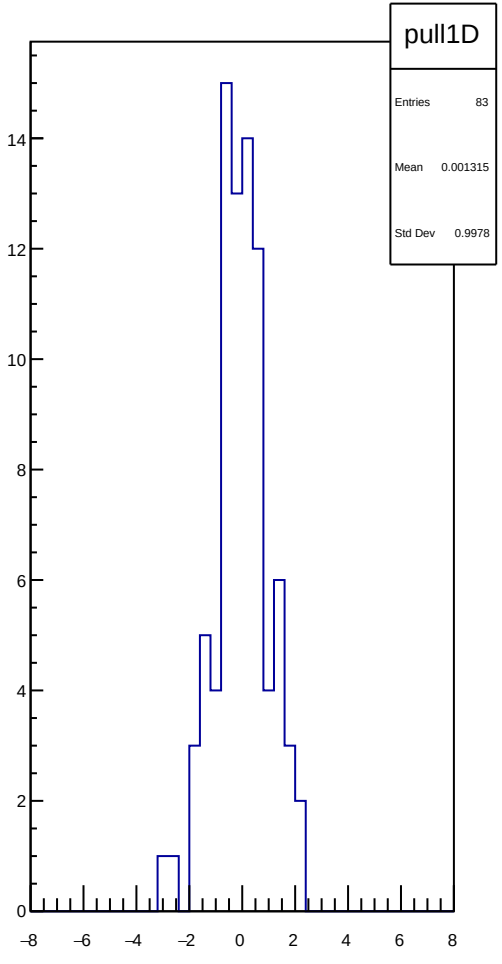

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 5943 / 82
p0 1366 ± 1.089
1800
1700
1600
1500
1400
1300
1200

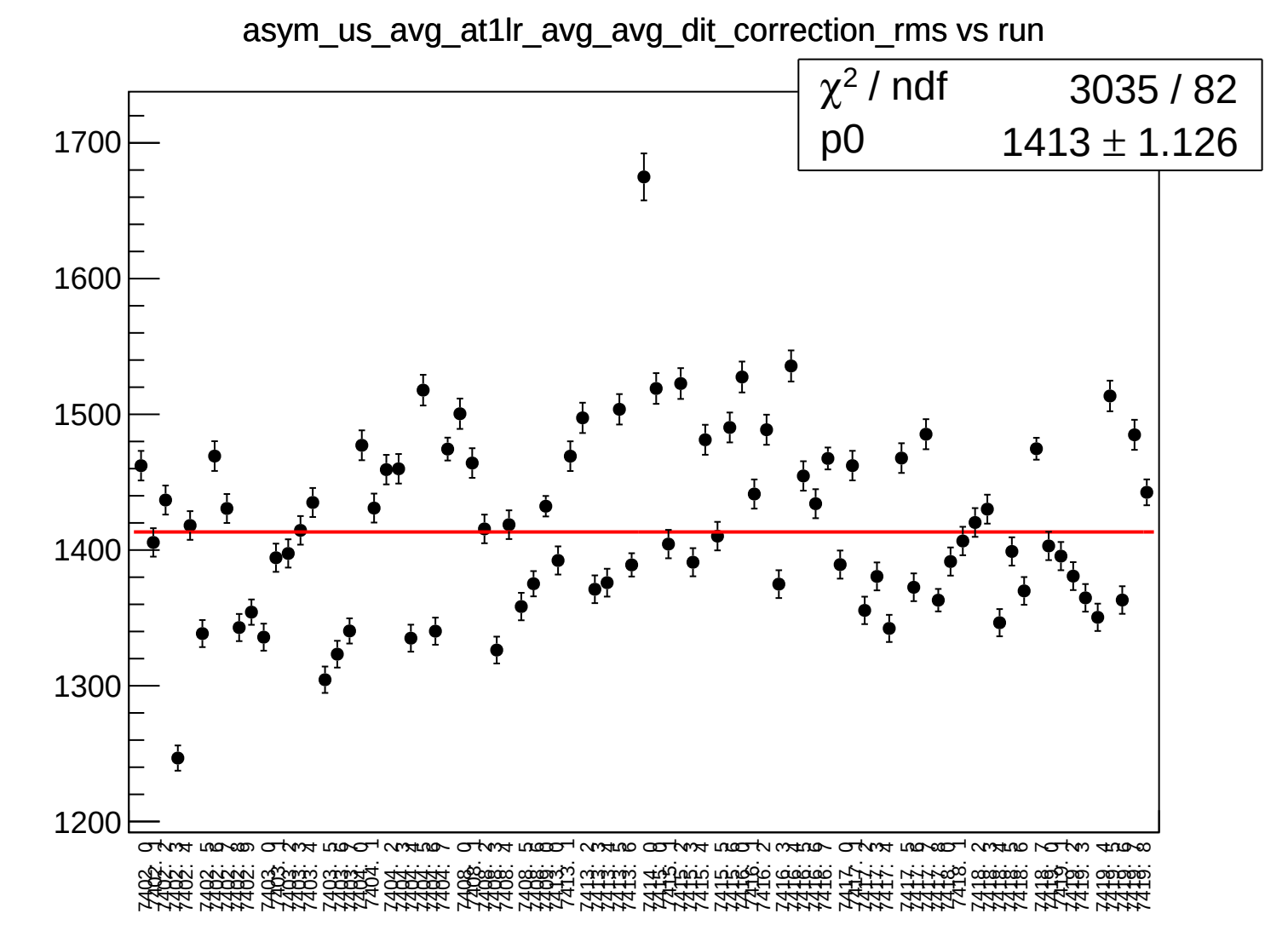

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.4 / 82
p0 7977 ± 2444
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −159.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

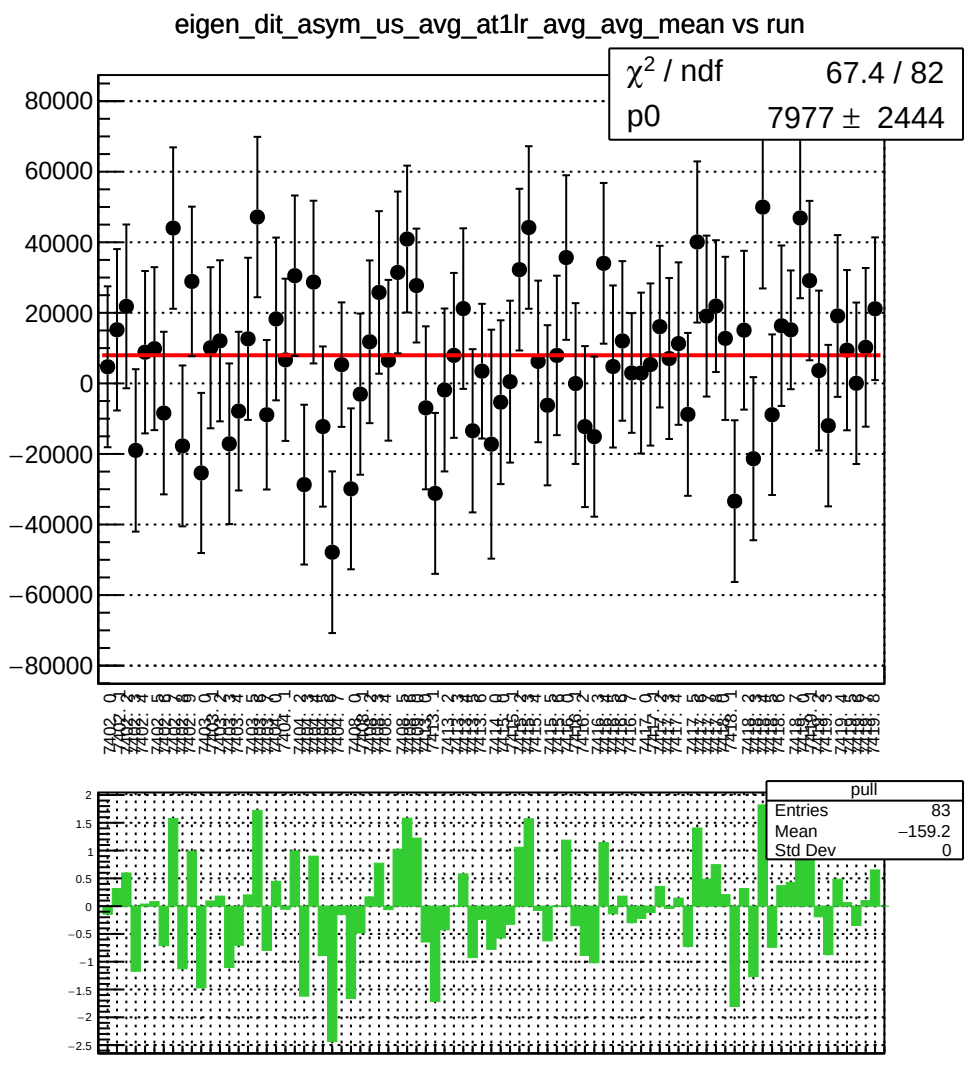

pull1D
Entries 83
Mean −0.01305
Std Dev 0.901
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

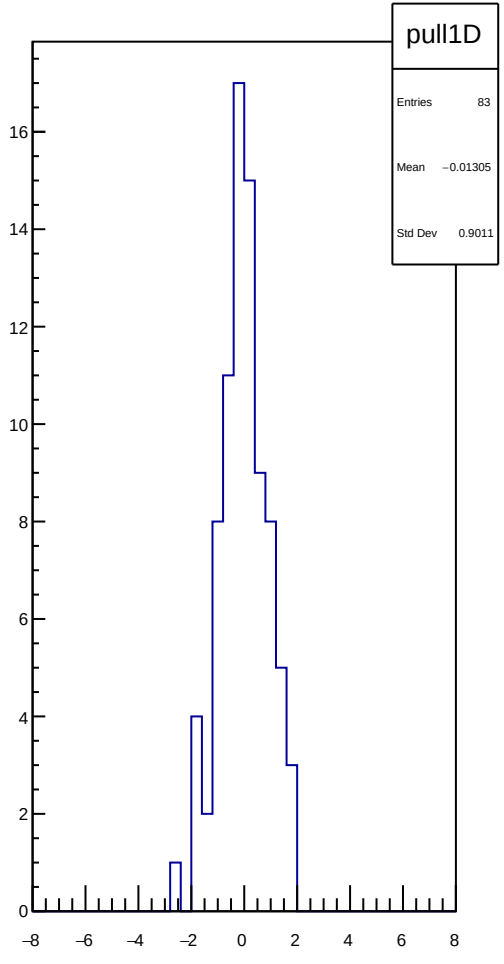

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 90.4 / 82
p0 2172 ± 1.728
2240
2220
2200
2180
2160
2140
2120

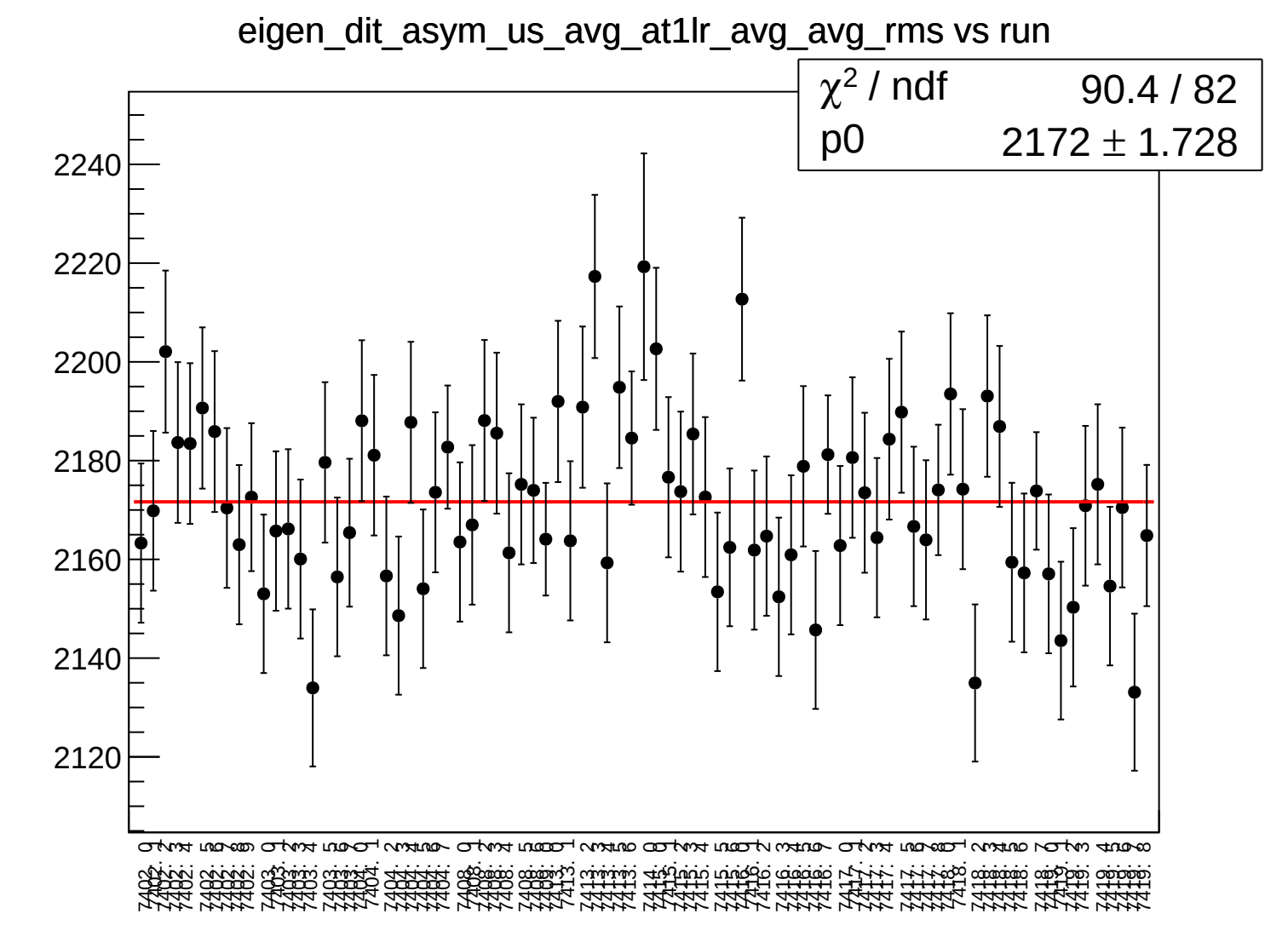

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
χ² / ndf 82.63 / 82
p0 382.6 ± 1592
pull
Entries 83
Mean −2157
Std Dev 0

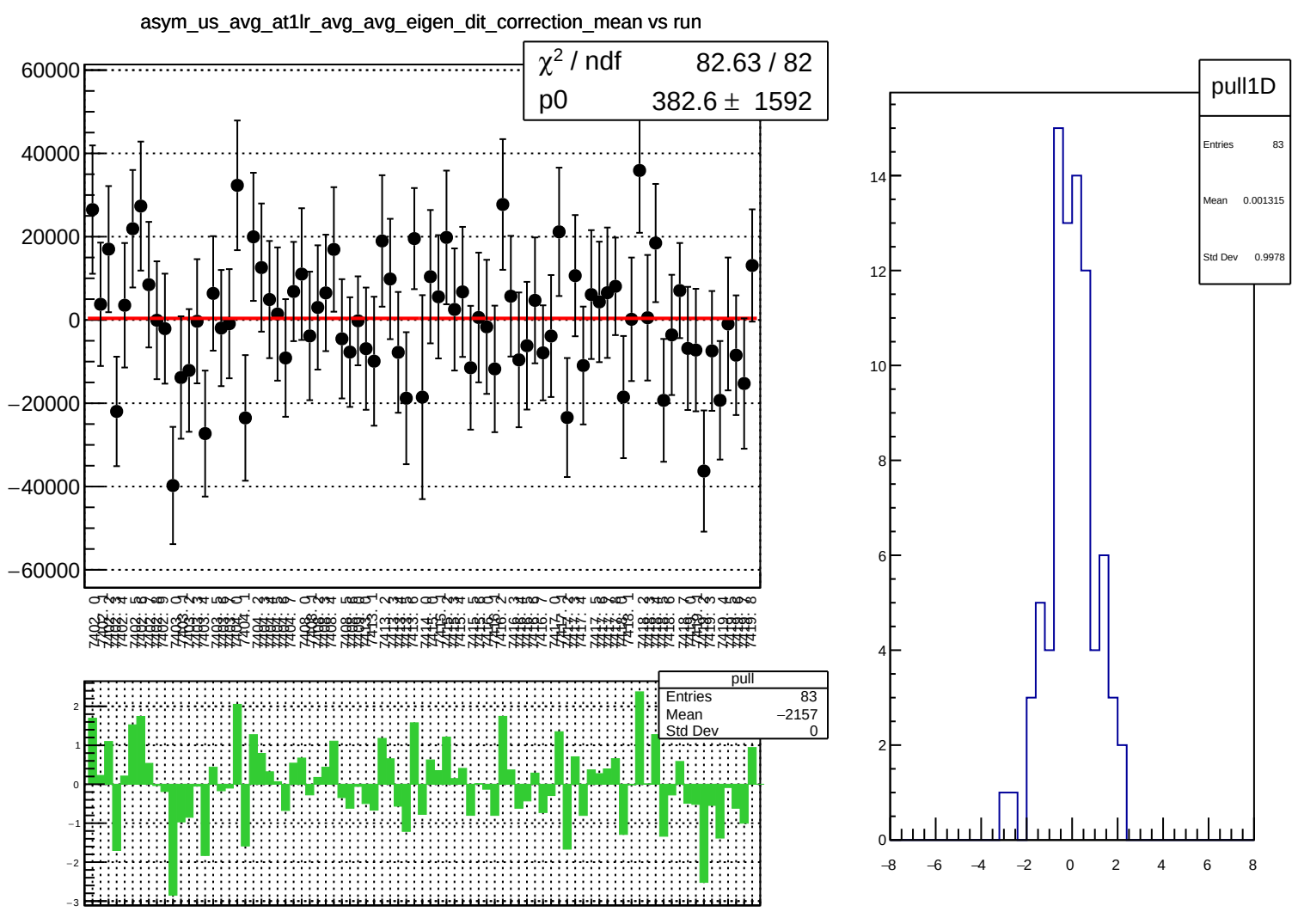

pull1D
Entries 83
Mean 0.001315
Std Dev 0.9978

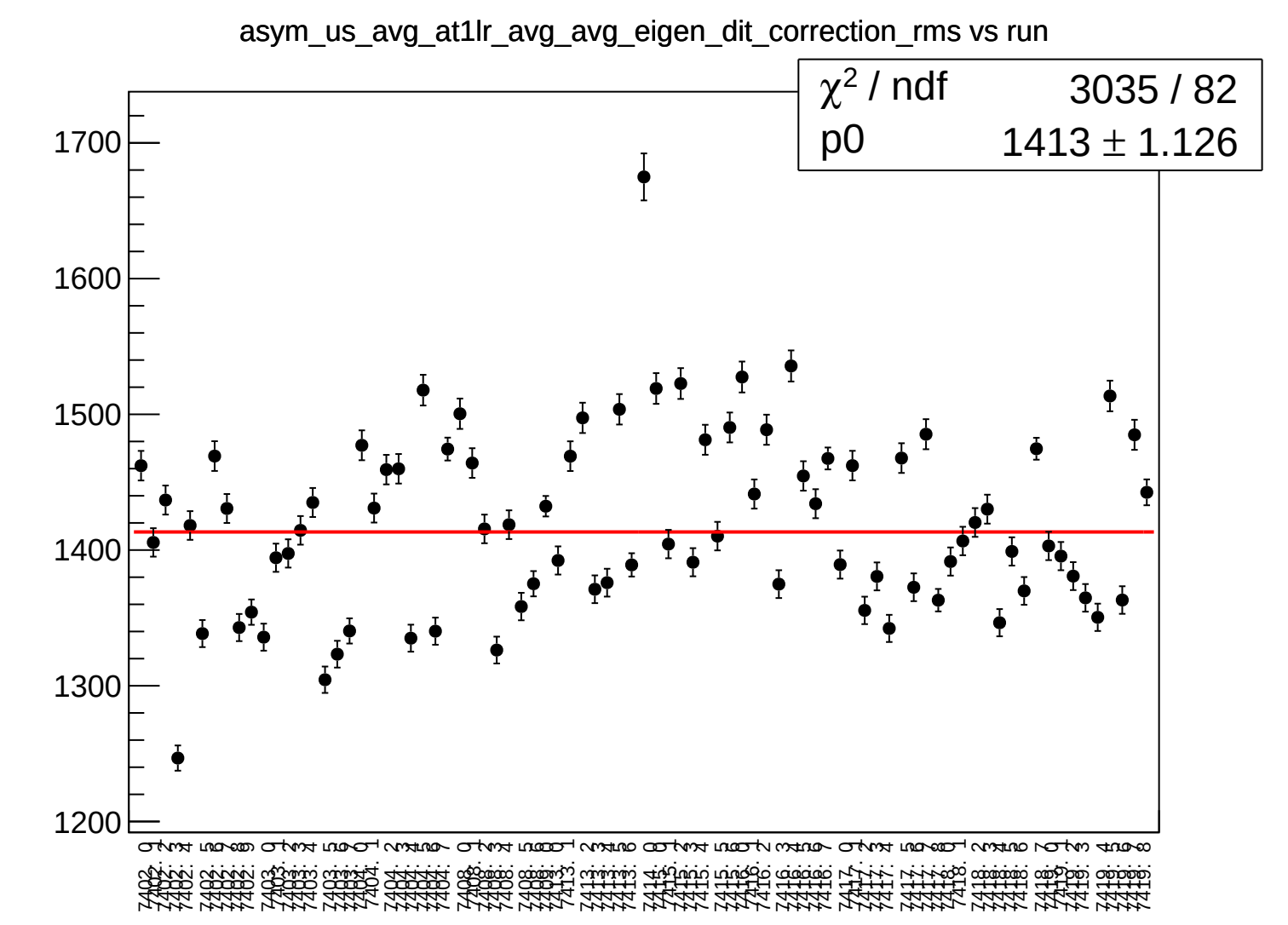

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3035 / 82
p0 1413 ± 1.126
1700
1600
1500
1400
1300
1200

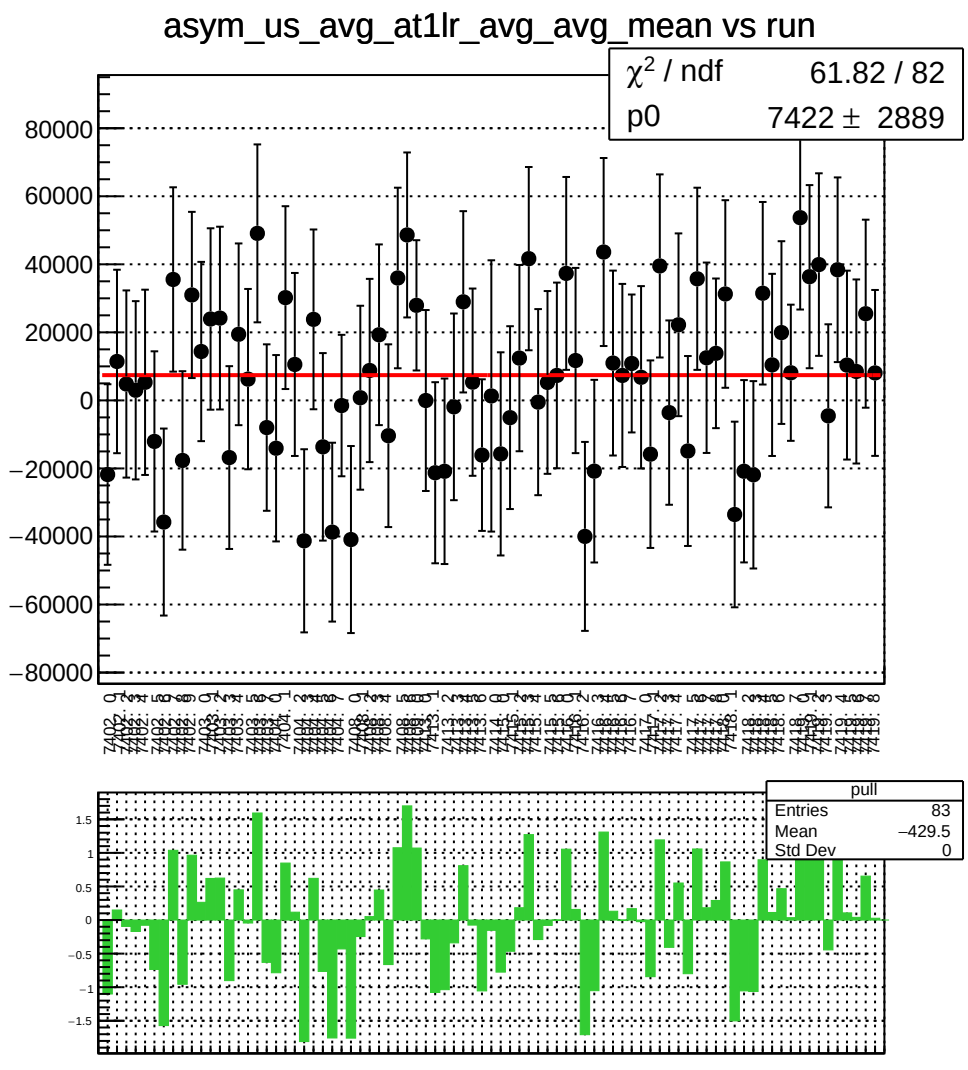

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 67.4 / 82
p0 7977 ± 2444
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −159.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

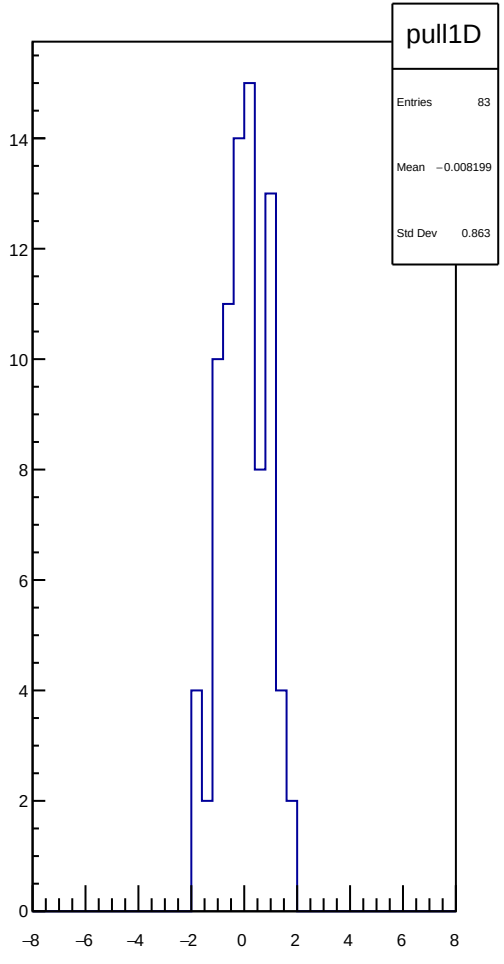

pull1D
Entries 83
Mean −0.01305
Std Dev 0.9011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

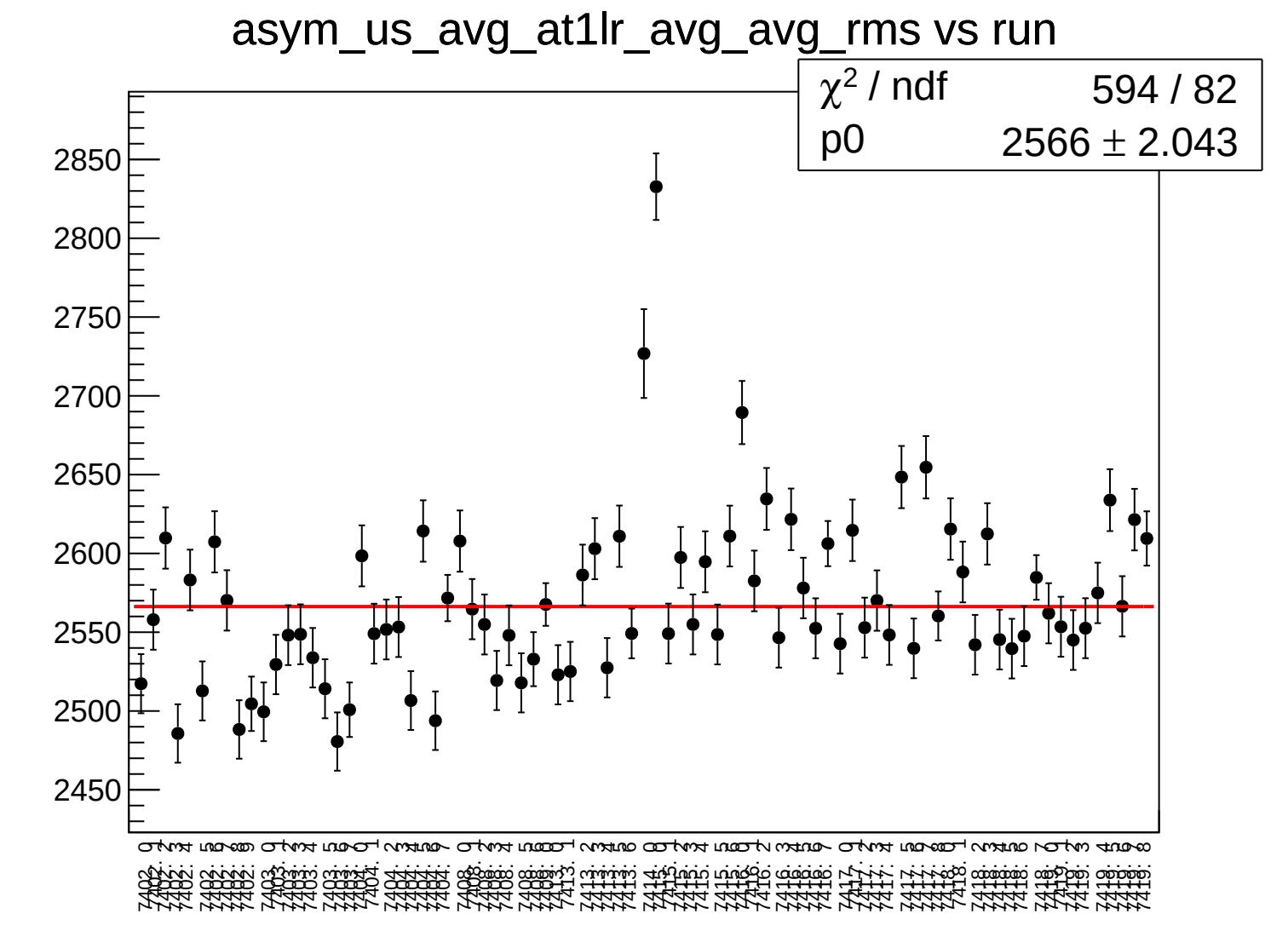

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ^2 / ndf 90.4 / 82
p0 2172 ± 1.728
2240
2220
2200
2180
2160
2140
2120

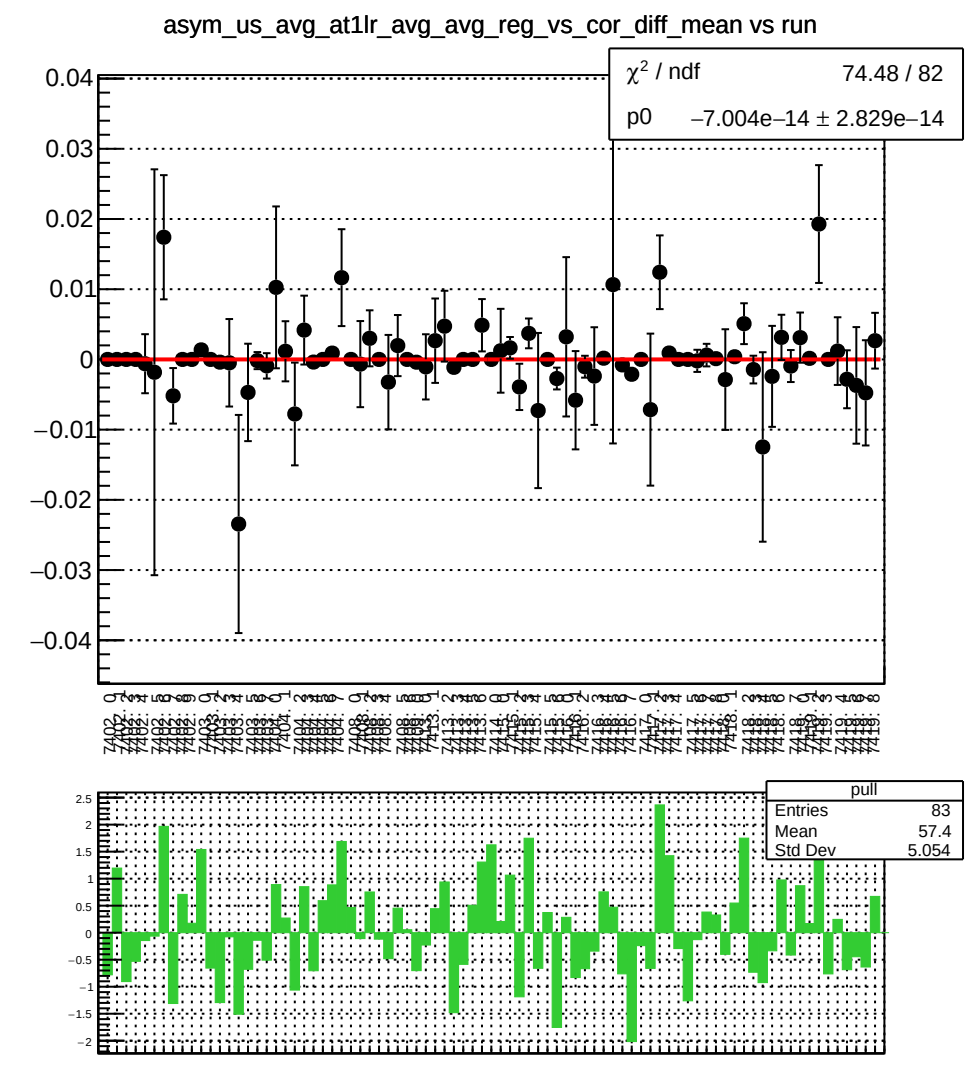

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.63 / 82
p0 382.6 ± 1592
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −2157
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.001315
Std Dev 0.9978
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

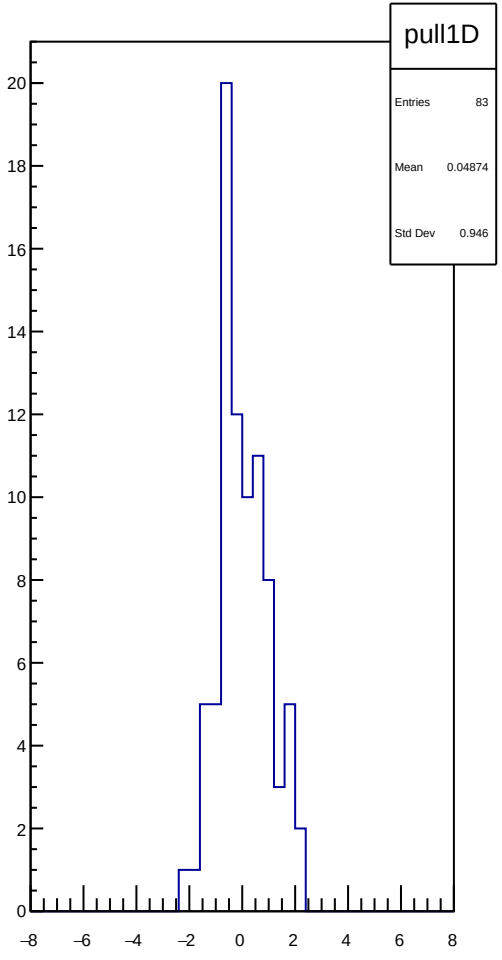

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3035 / 82
p0 1413 ± 1.126
1700
1600
1500
1400
1300
1200

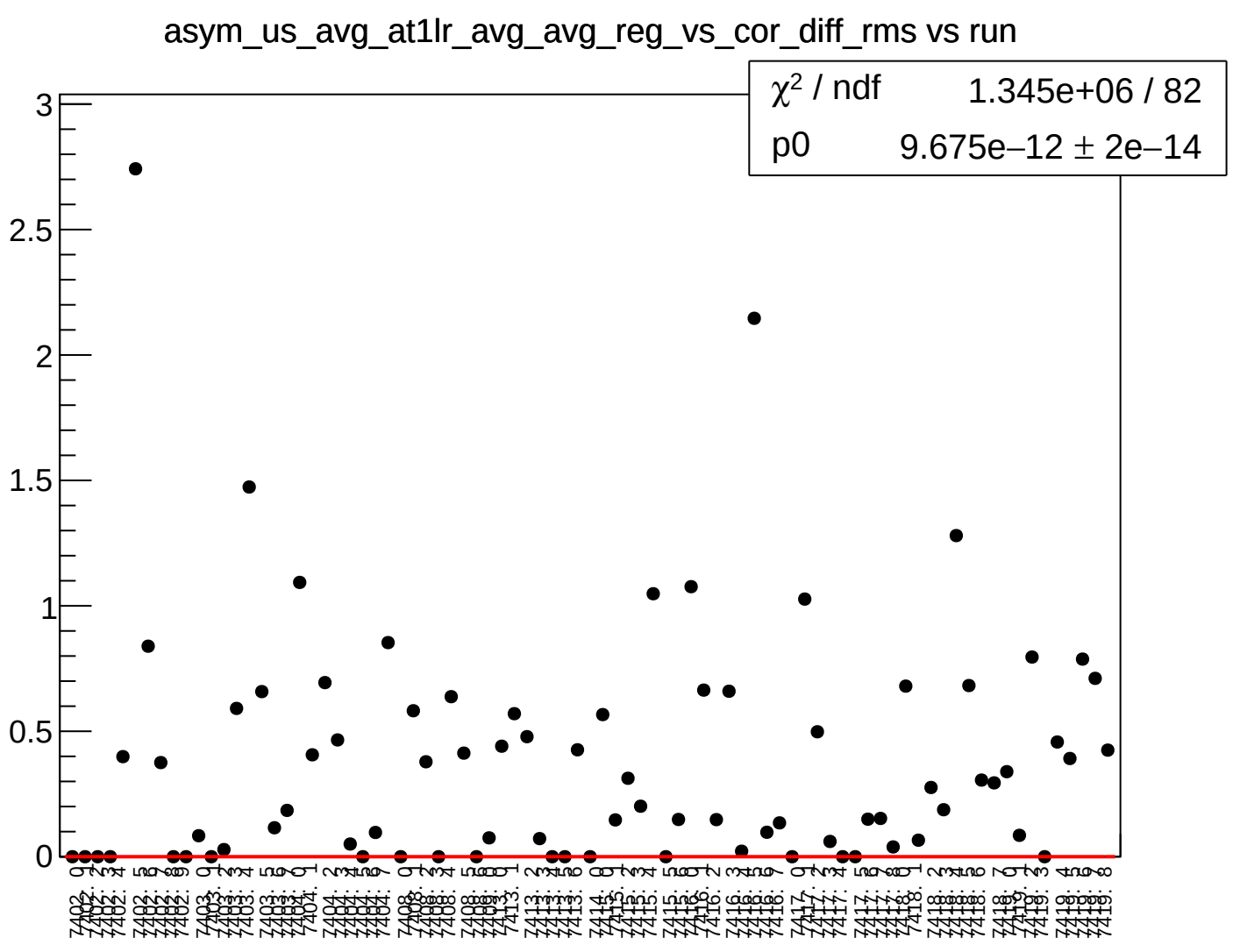

asym_us_avg_at1lr_avg_avg_mean vs run
χ^2 / ndf 61.82 / 82
p0 7422 ± 2889
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −429.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

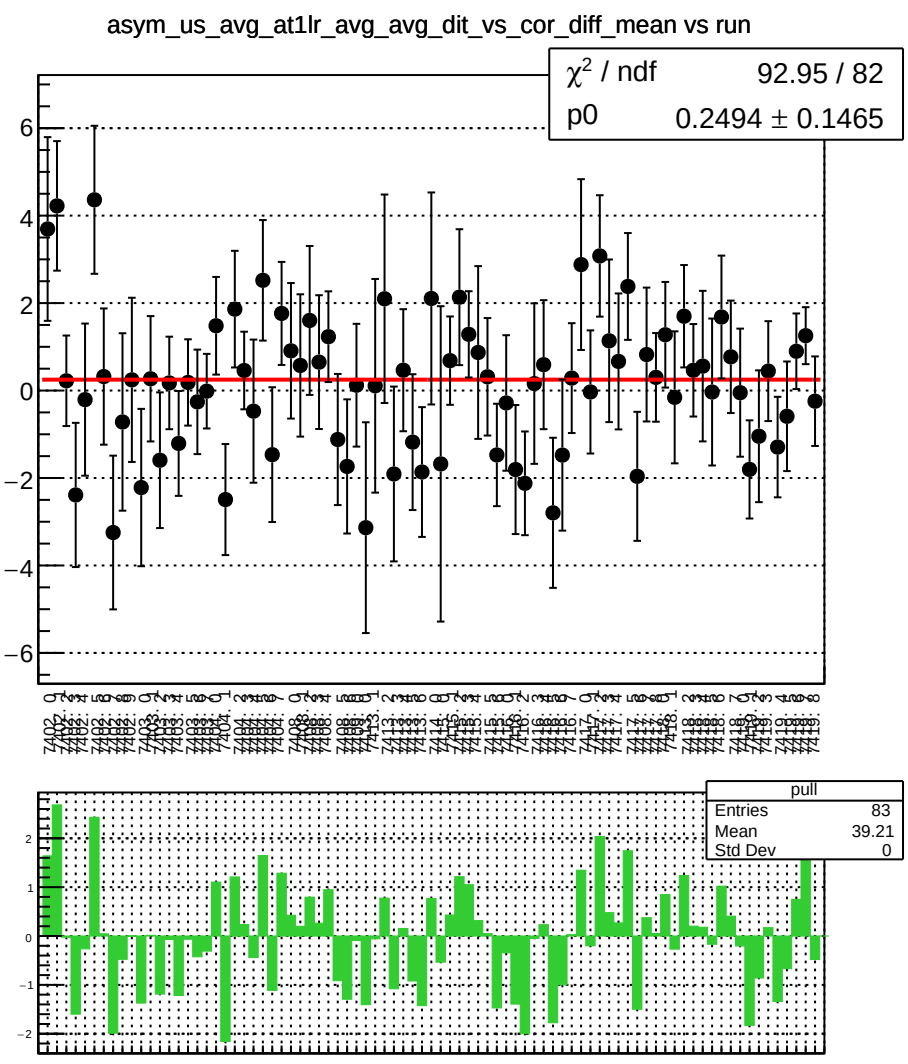

pull1D
Entries 83
Mean −0.008199
Std Dev 0.863
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

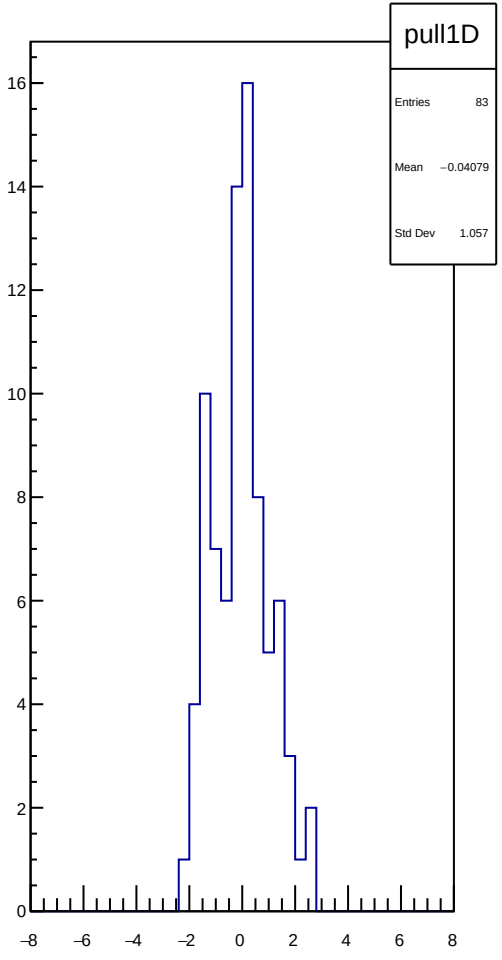

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 594 / 82
p0 2566 ± 2.043
2850
2800
2750
2700
2650
2600
2550
2500
2450

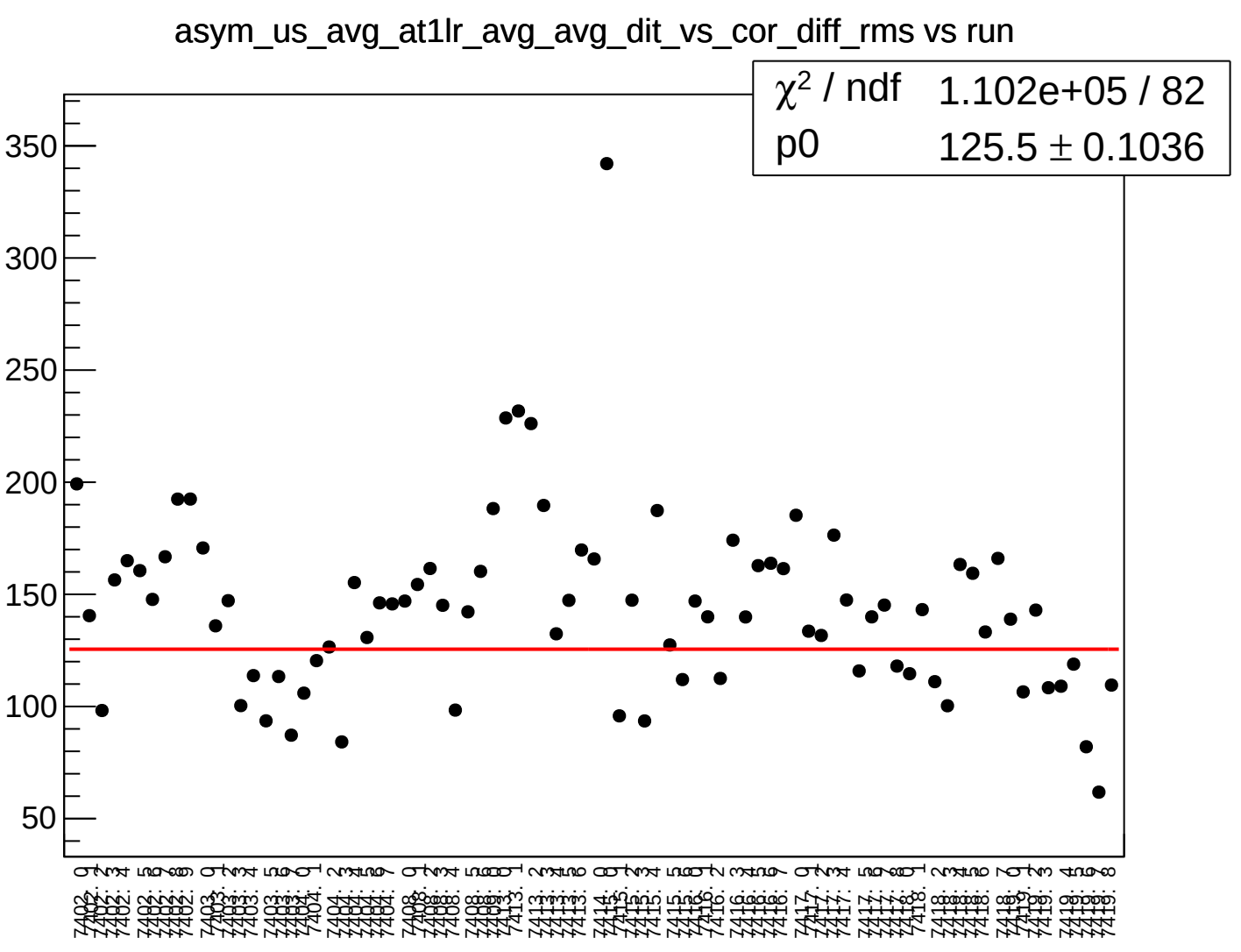

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.48 / 82
p0 −7.004e−14 ± 2.829e−14
pull
Entries 83
Mean 57.4
Std Dev 5.054

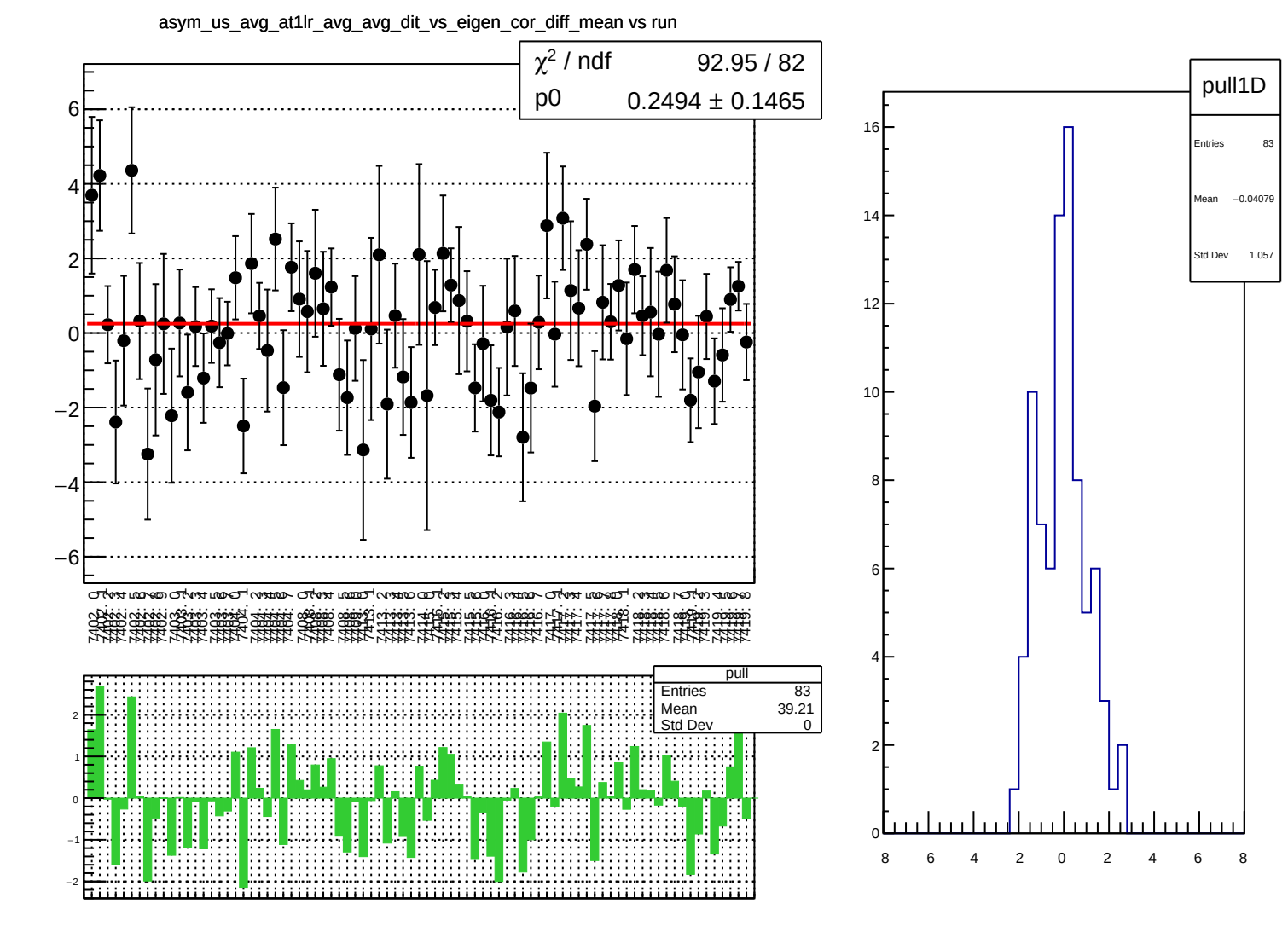

pull1D
Entries 83
Mean 0.04874
Std Dev 0.946

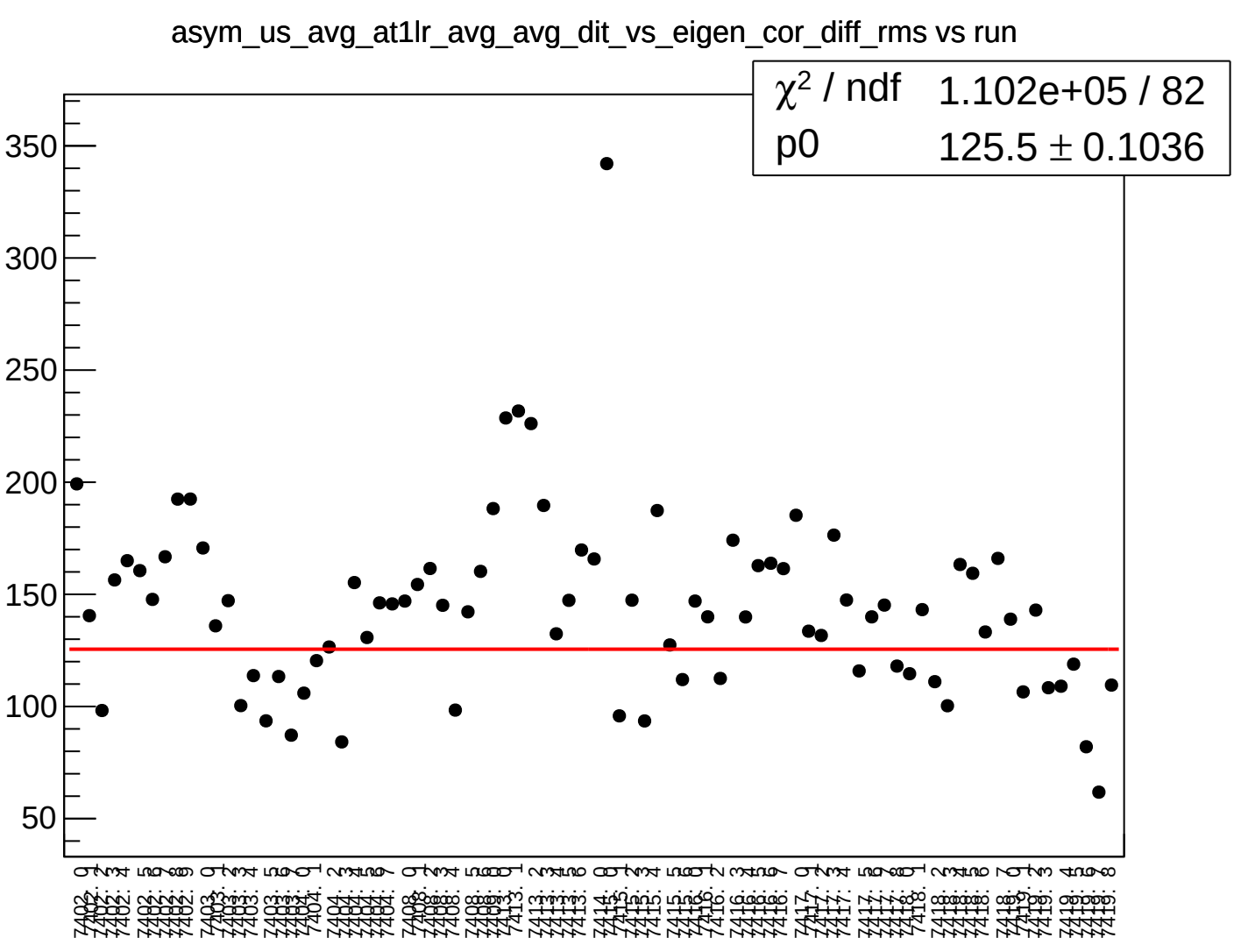

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.345e+06 / 82
p0 9.675e−12 ± 2e−14
3
2.5
2
1.5
1
0.5
0

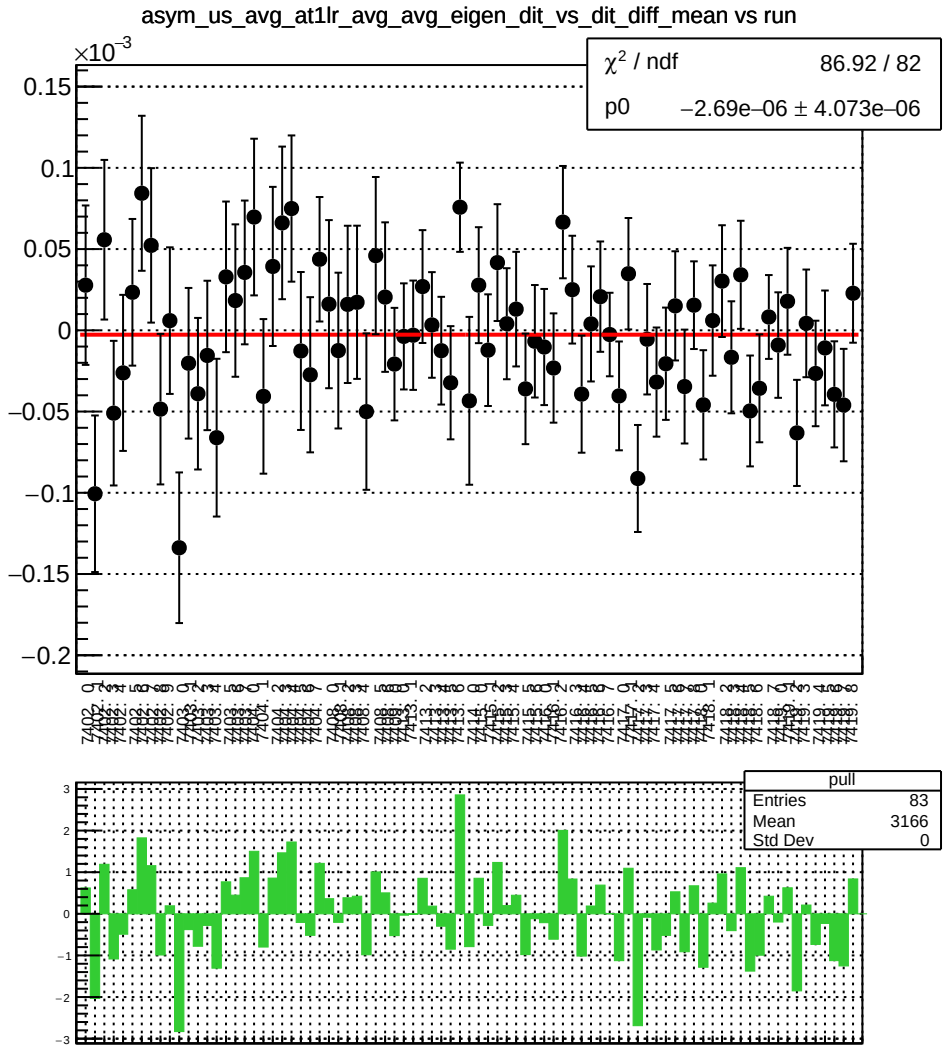

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 92.95 / 82
p0 0.2494 ± 0.1465
pull
Entries 83
Mean 39.21
Std Dev 0

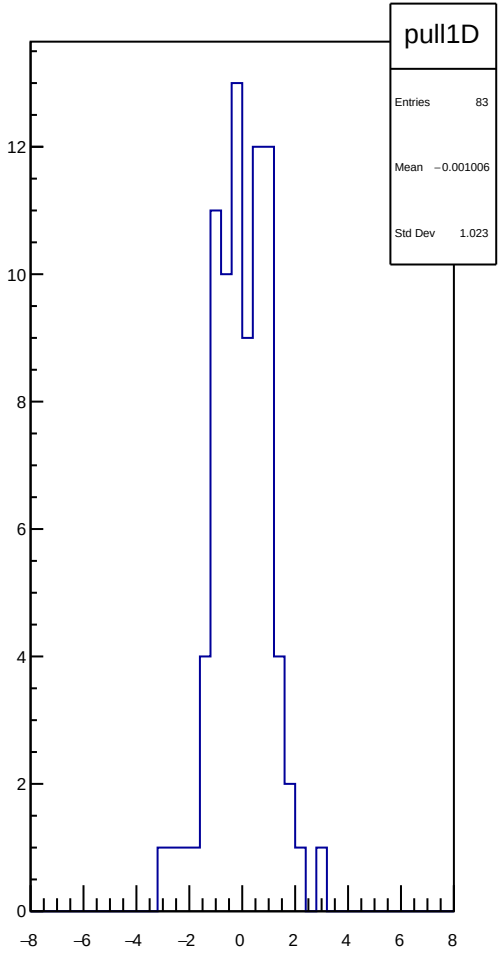

pull1D
Entries 83
Mean −0.04079
Std Dev 1.057

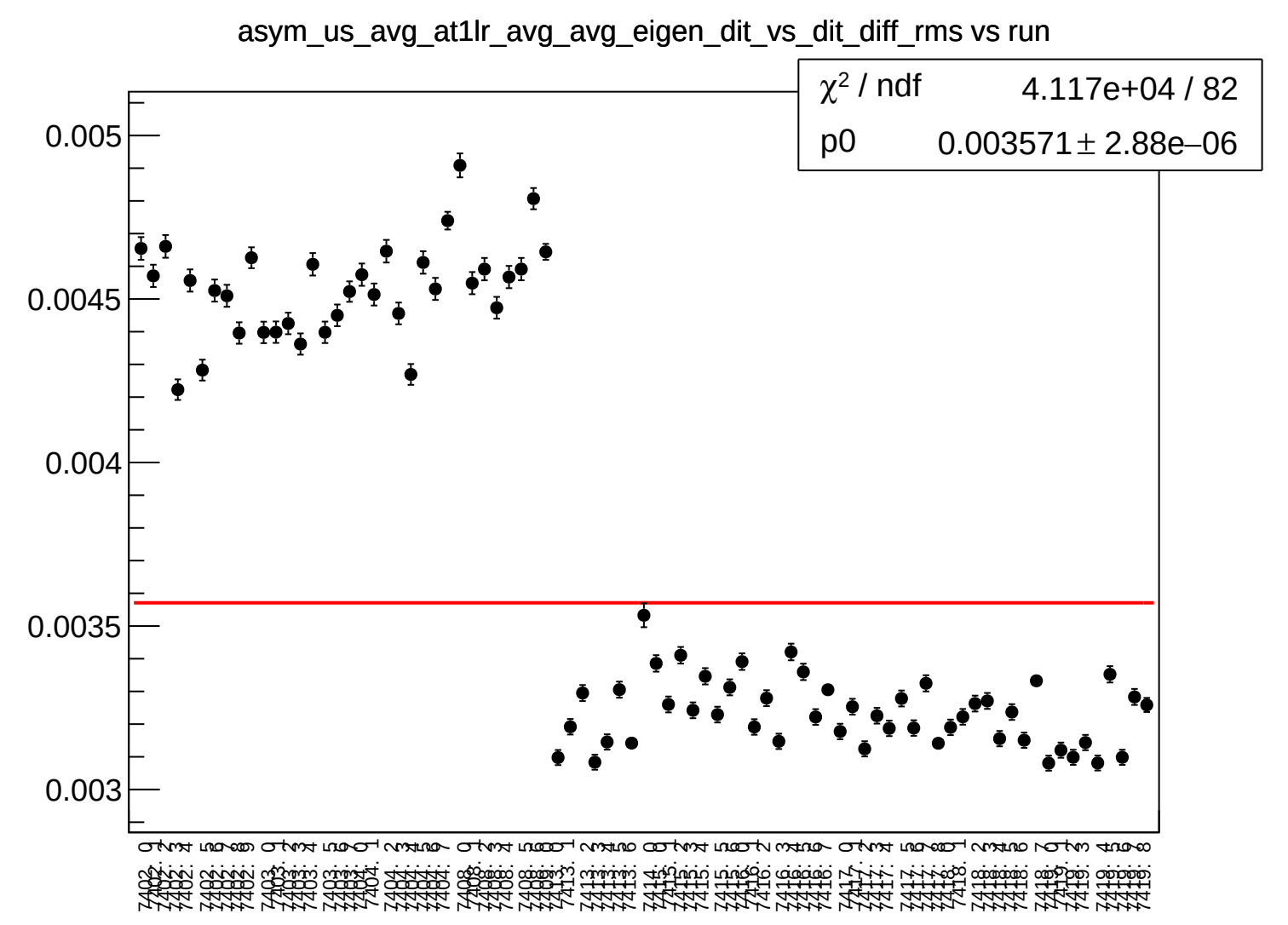

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 82
p0 125.5 ± 0.1036
350
300
250
200
150
100
50

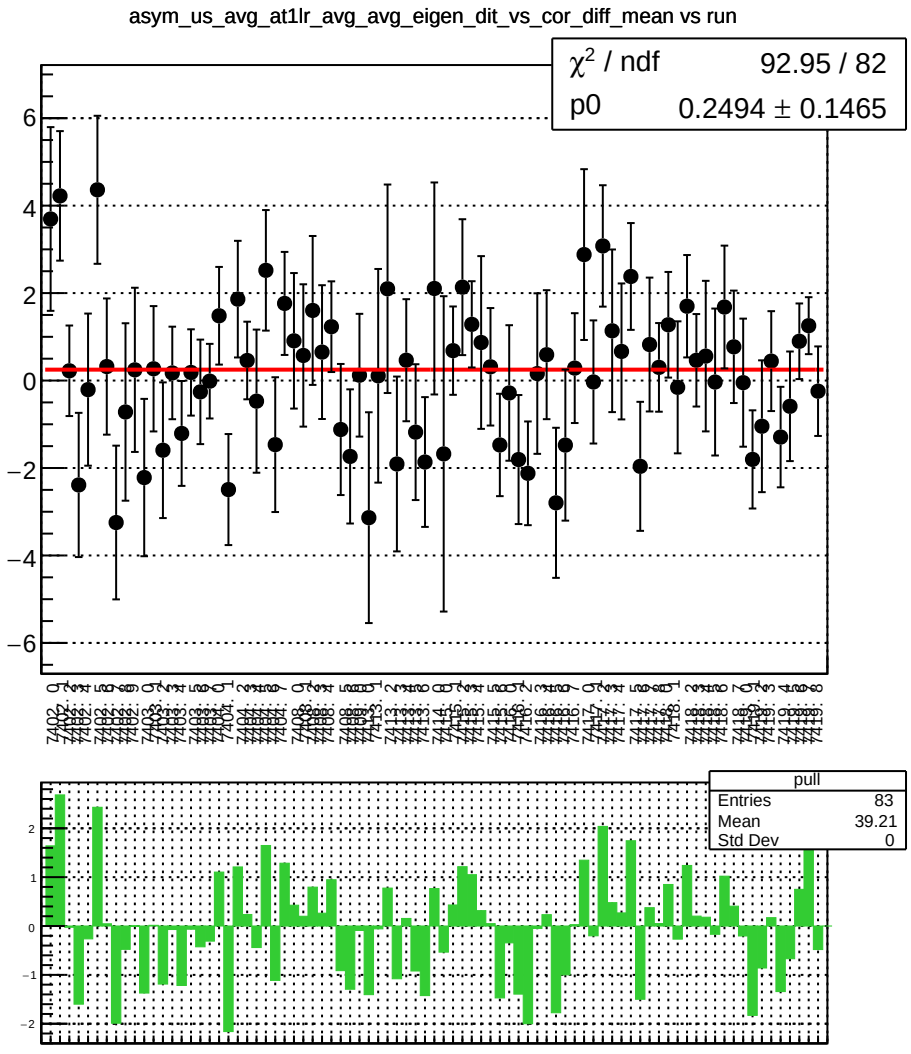

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.95 / 82
p0 0.2494 ± 0.1465
pull
Entries 83
Mean 39.21
Std Dev 0
pull1D
Entries 83
Mean −0.04079
Std Dev 1.057

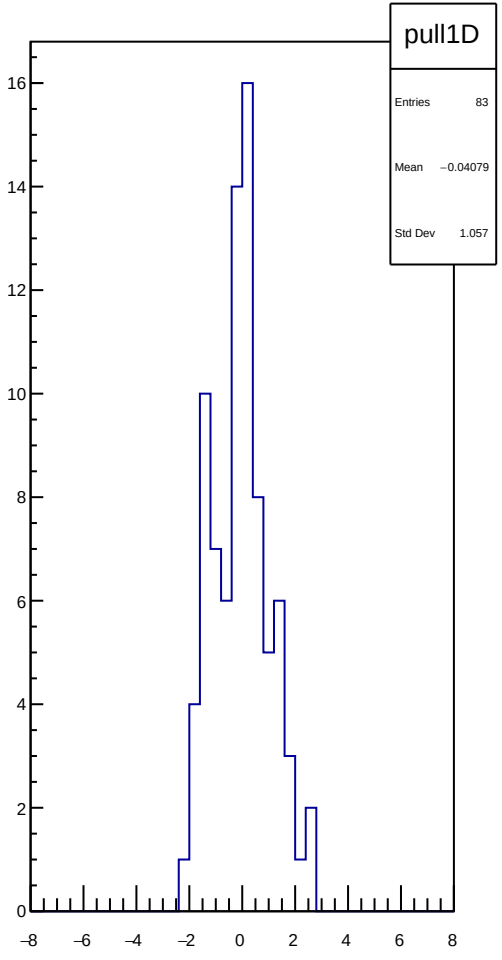

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 82
p0 125.5 ± 0.1036
350
300
250
200
150
100
50

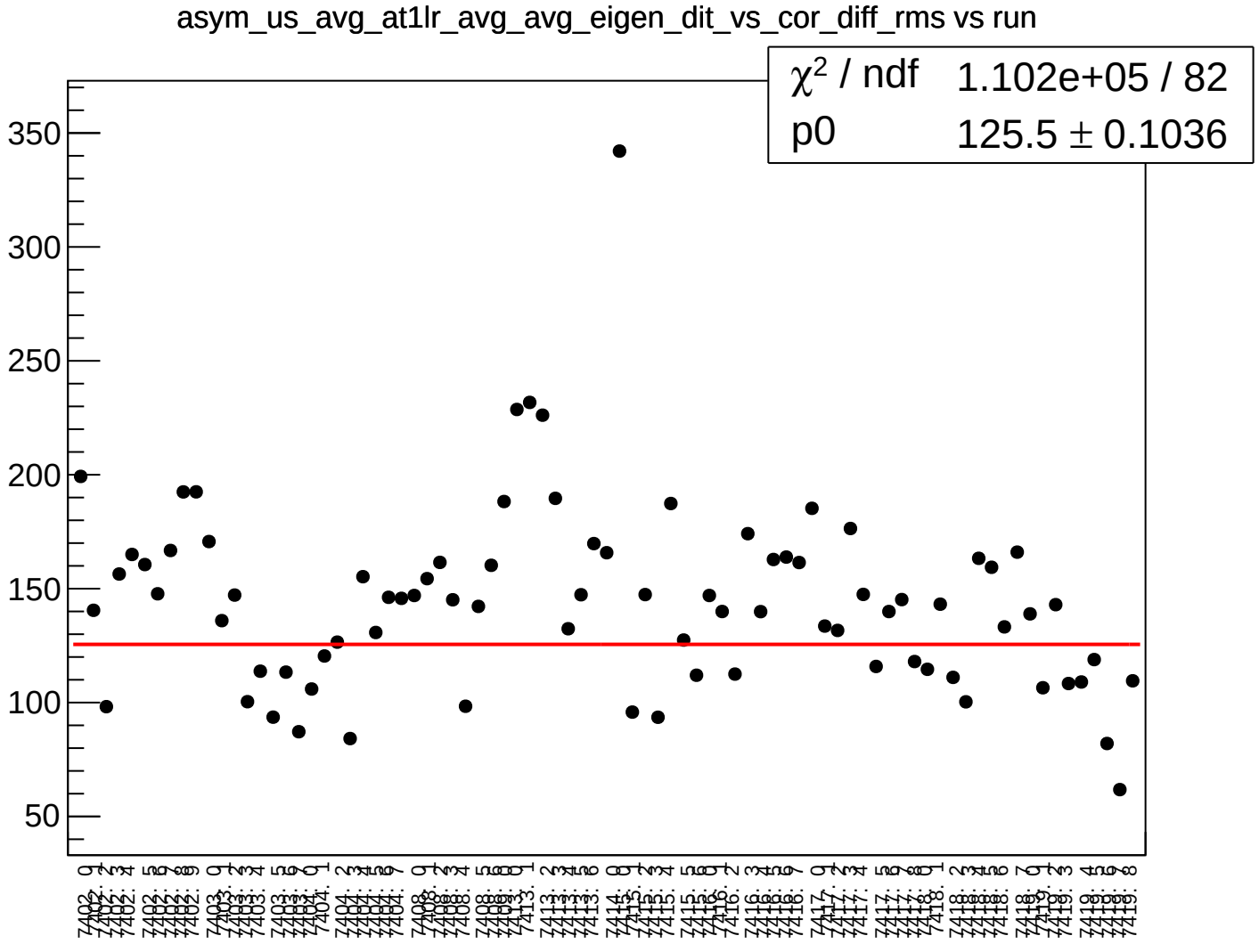

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.92 / 82
p0 −2.69e−06 ± 4.073e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 83
Mean 3166
Std Dev 0
3
2
1
0
−1
−2
−3

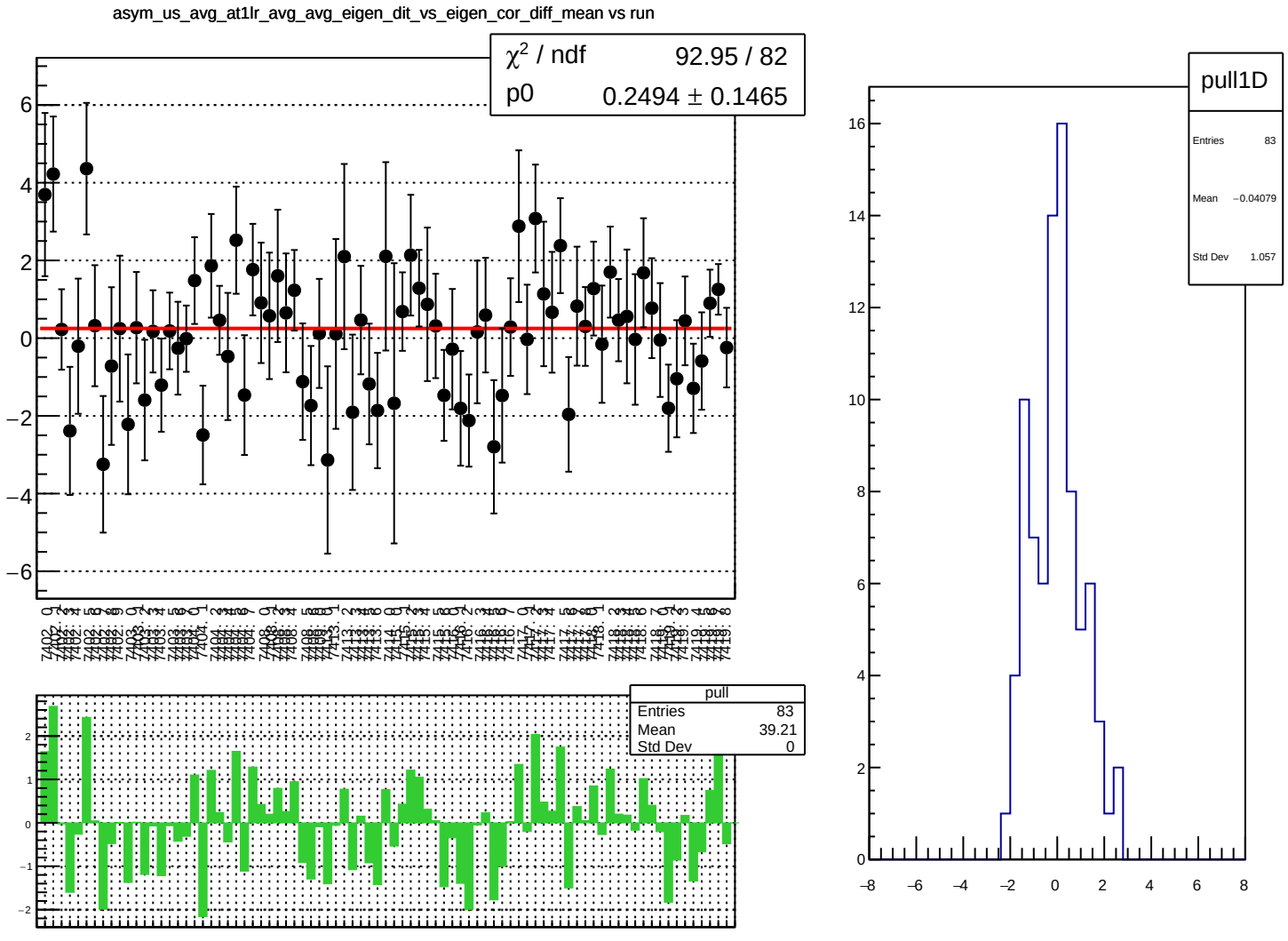

pull1D
Entries 83
Mean −0.001006
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

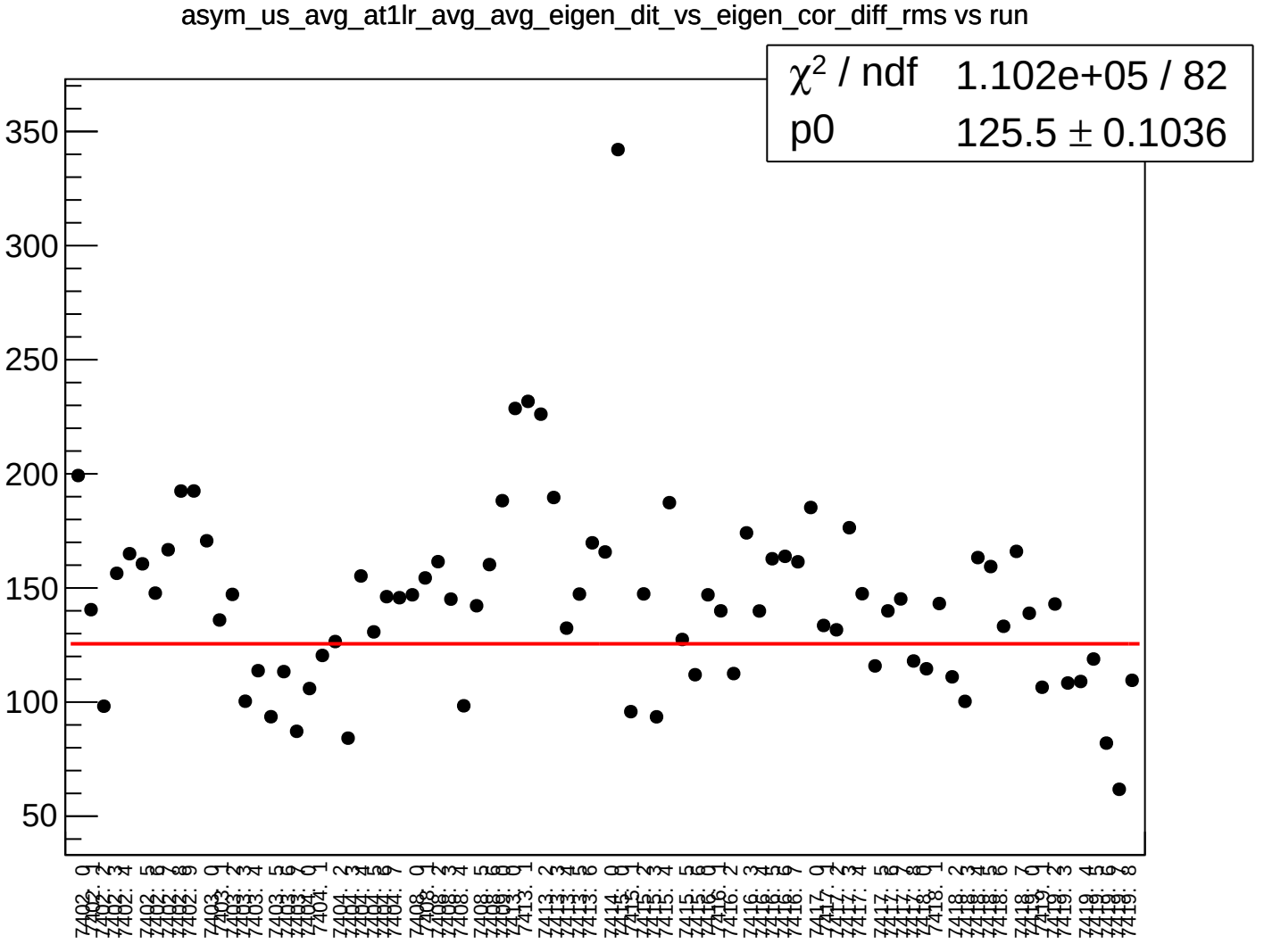

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.117e+04 / 82
p0 0.003571 ± 2.88e–06
0.005
0.0045
0.004
0.0035
0.003

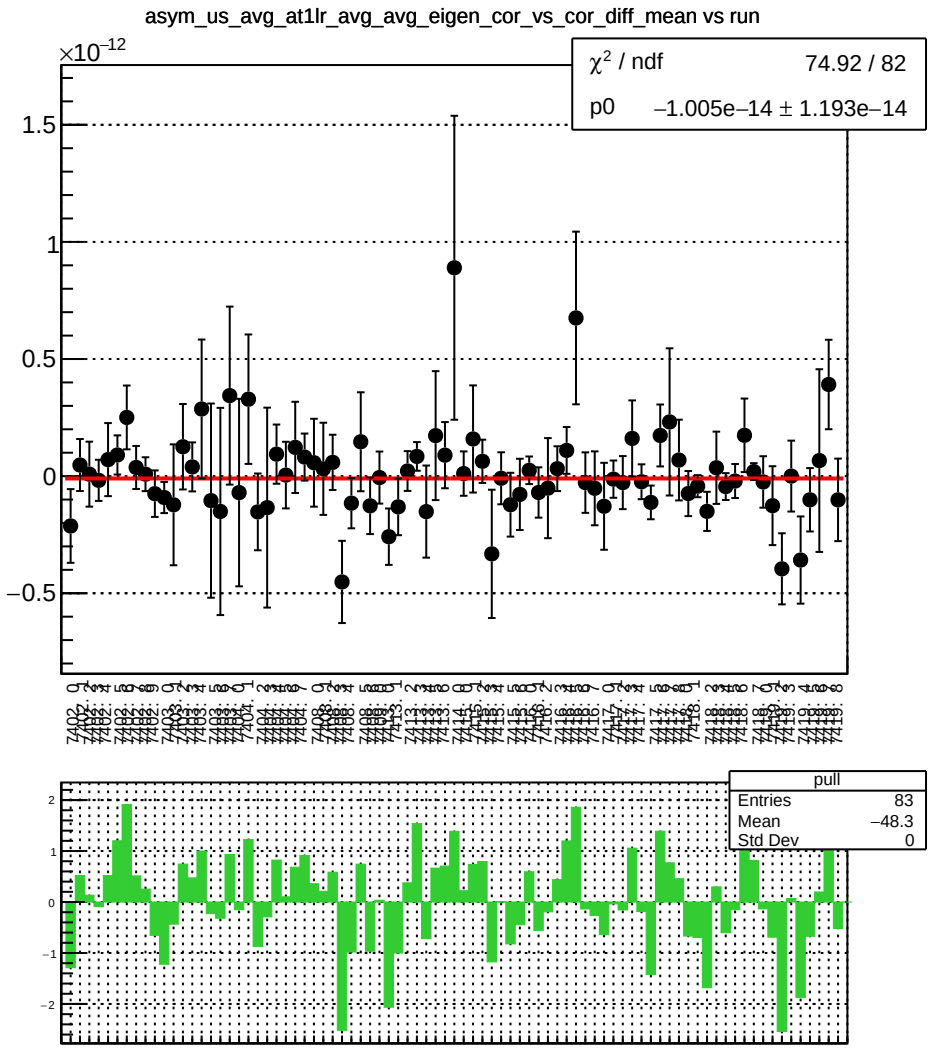

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.95 / 82
p0 0.2494 ± 0.1465
pull
Entries 83
Mean 39.21
Std Dev 0

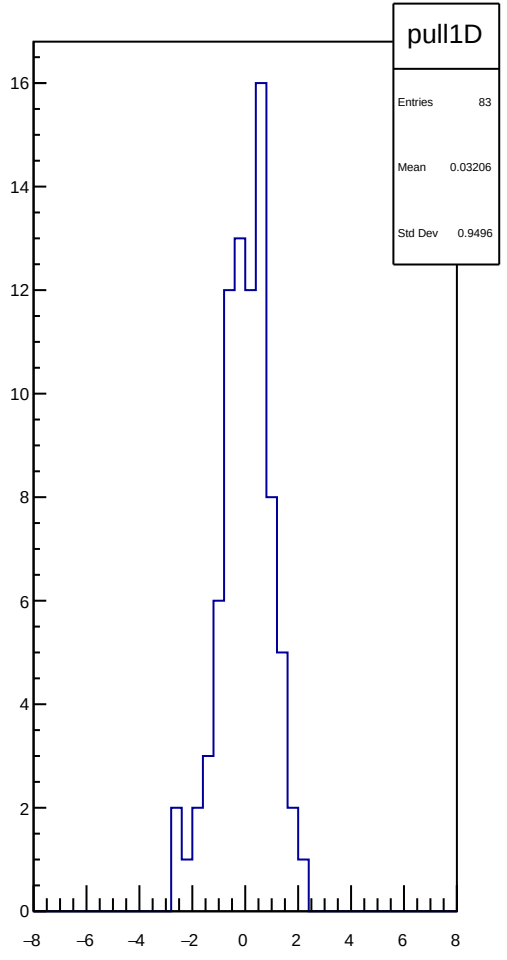

pull1D
Entries 83
Mean −0.04079
Std Dev 1.057

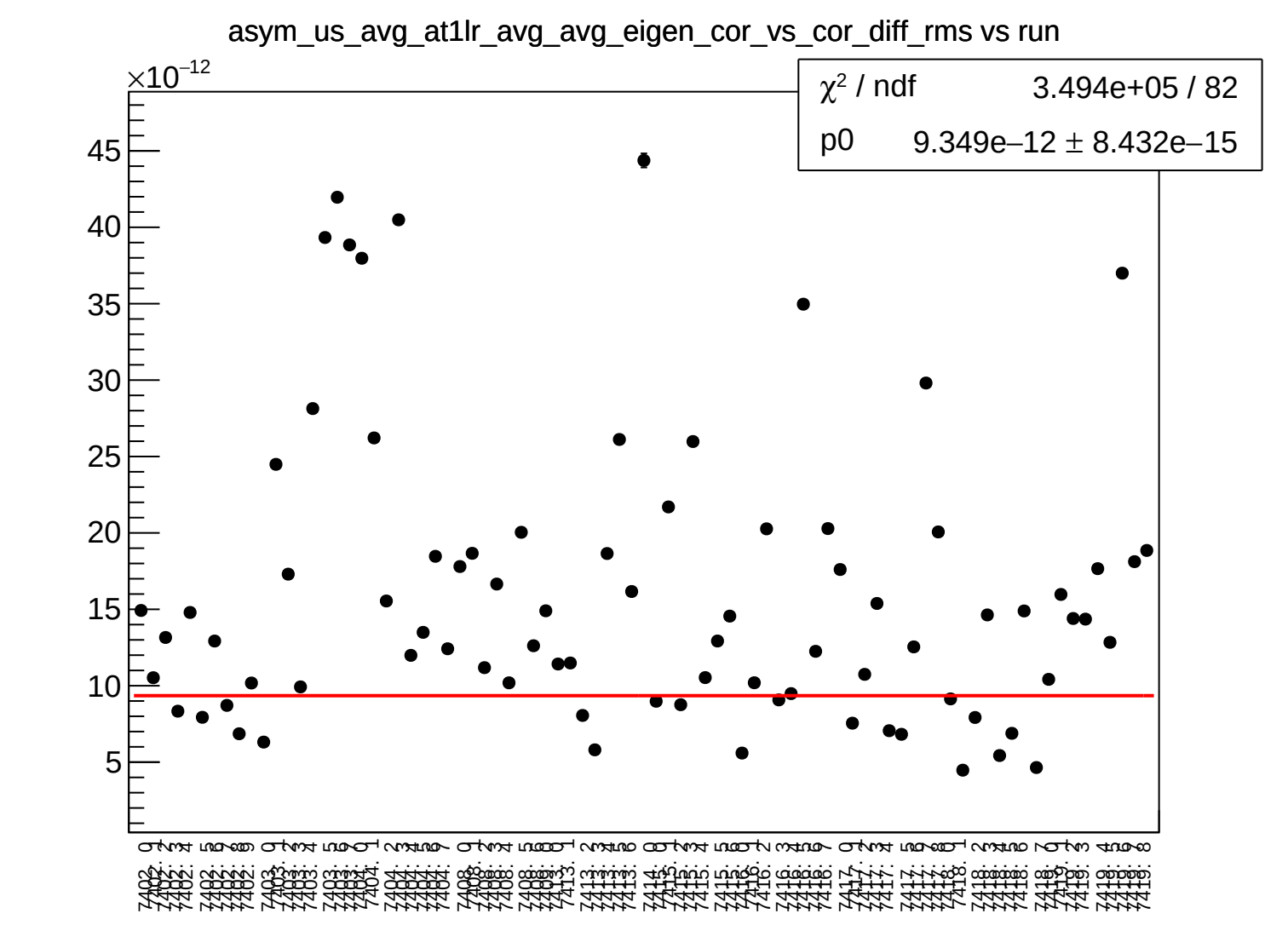

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 82
p0 125.5 ± 0.1036
350
300
250
200
150
100
50

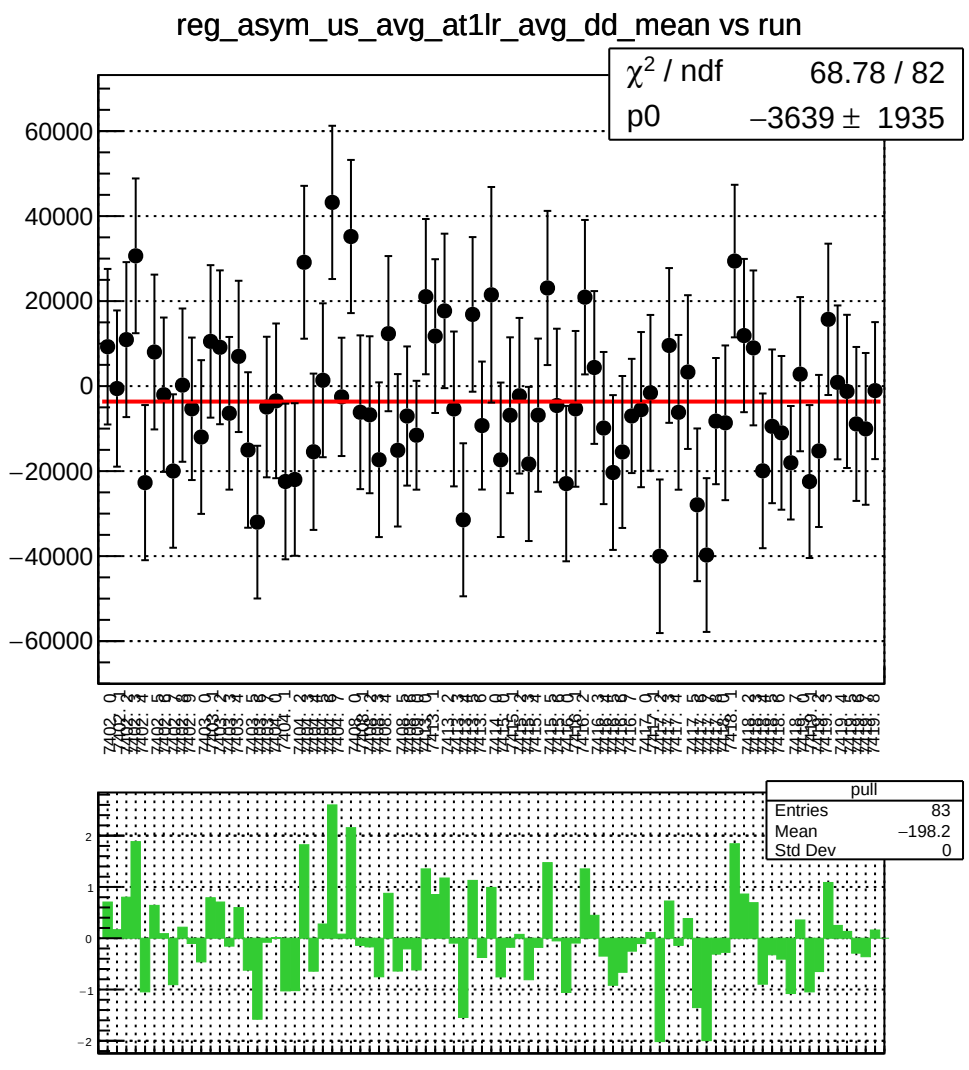

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.95 / 82
p0 0.2494 ± 0.1465
pull
Entries 83
Mean 39.21
Std Dev 0
pull1D
Entries 83
Mean −0.04079
Std Dev 1.057

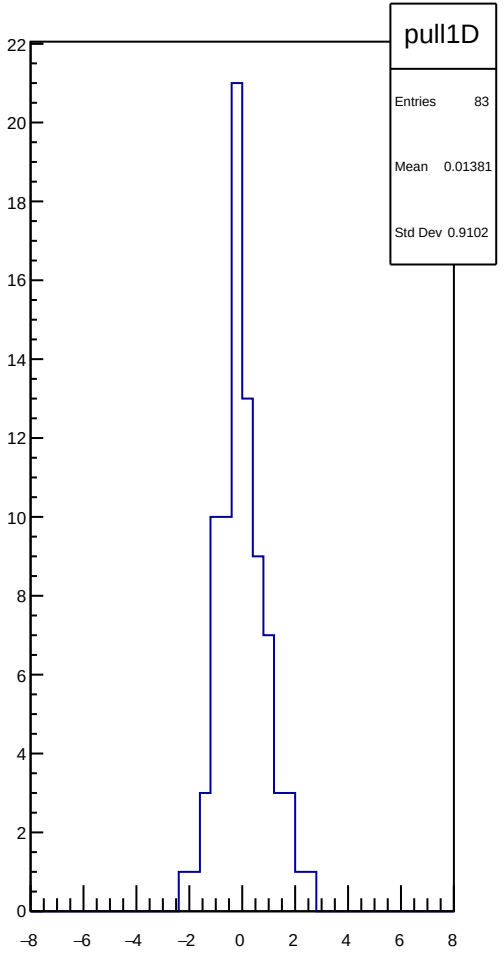

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.102e+05 / 82
p0 125.5 ± 0.1036
350
300
250
200
150
100
50

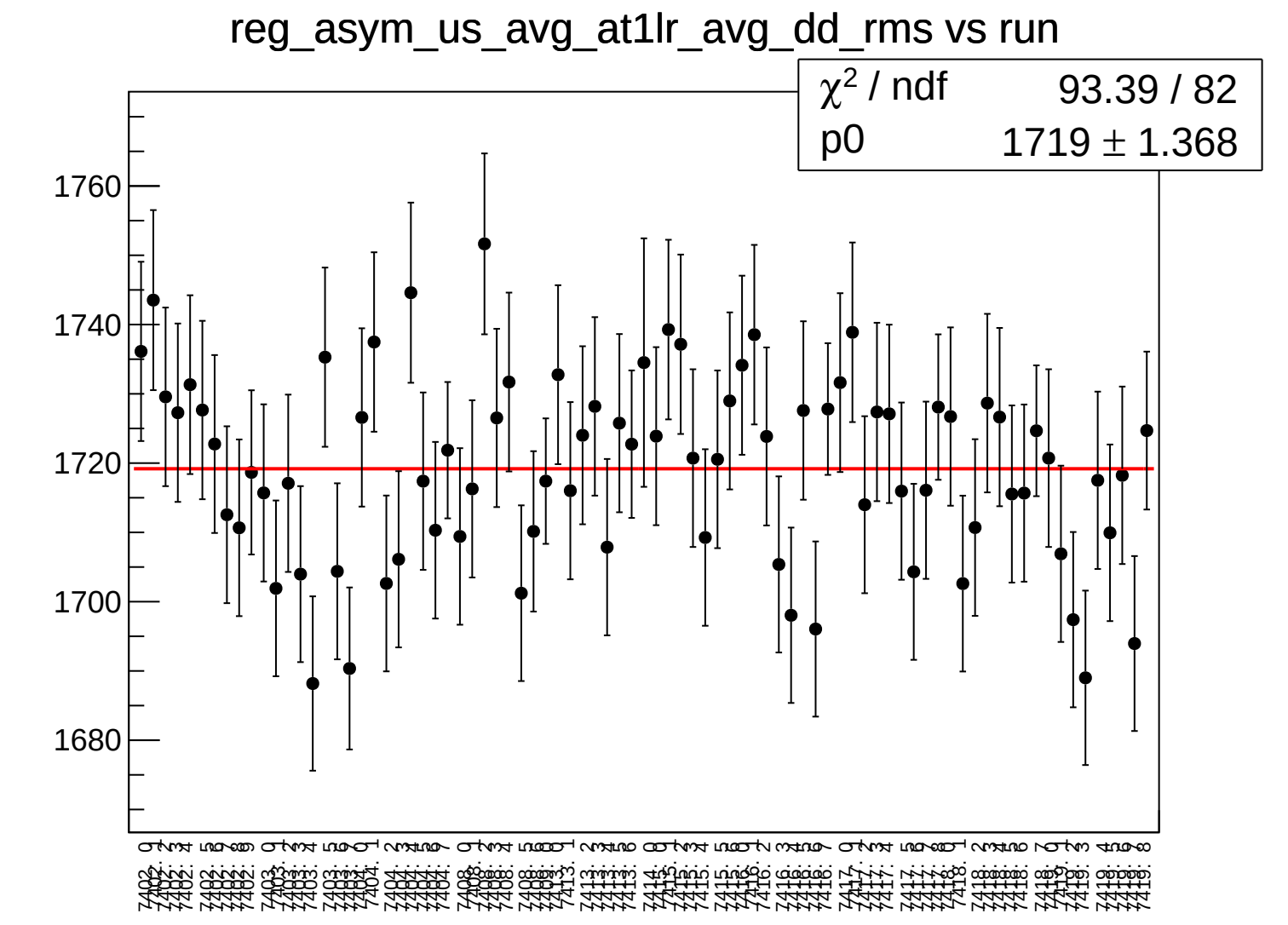

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.92 / 82
p0 −1.005e−14 ± 1.193e−14
1.5
1
0.5
0
−0.5
pull
Entries 83
Mean −48.3
Std Dev 0
2
1
0
−1
−2

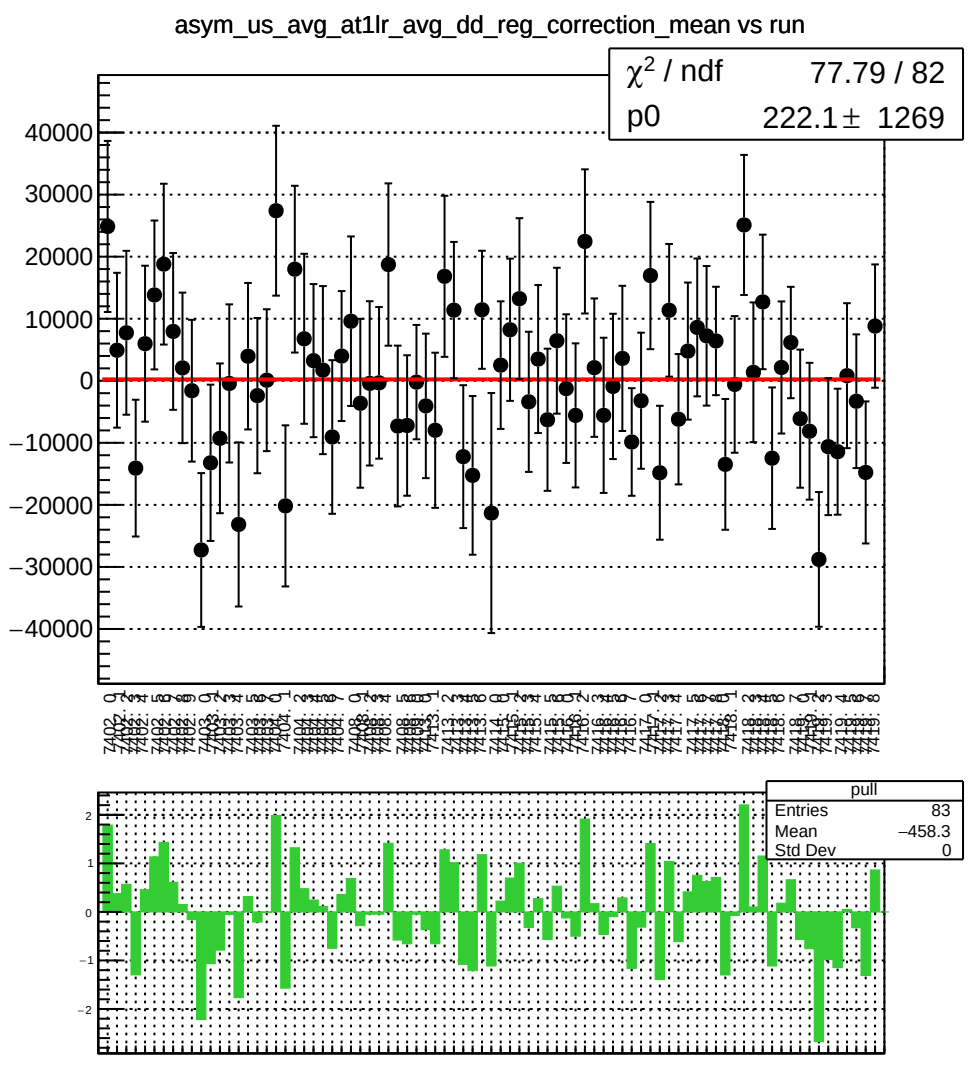

pull1D
Entries 83
Mean 0.03206
Std Dev 0.9496
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

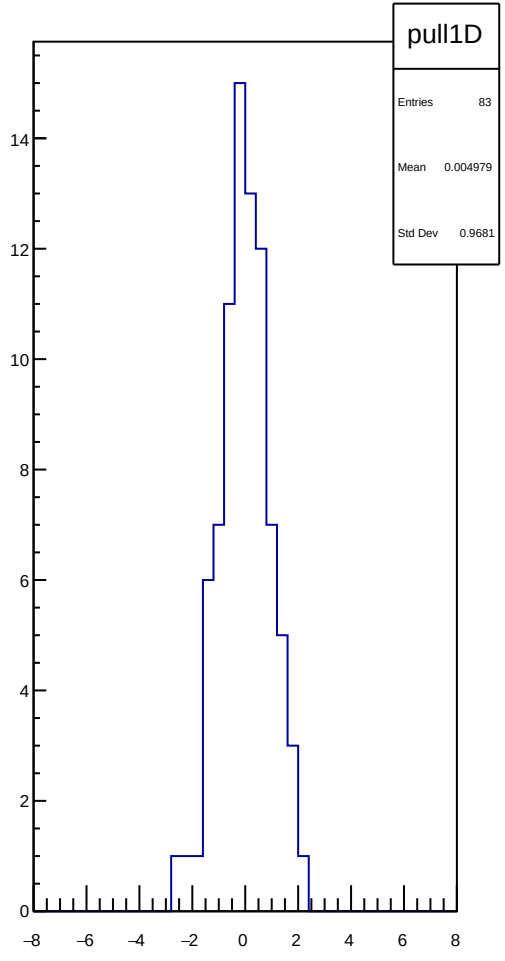

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.494e+05 / 82
p0 9.349e−12 ± 8.432e−15
45
40
35
30
25
20
15
10
5

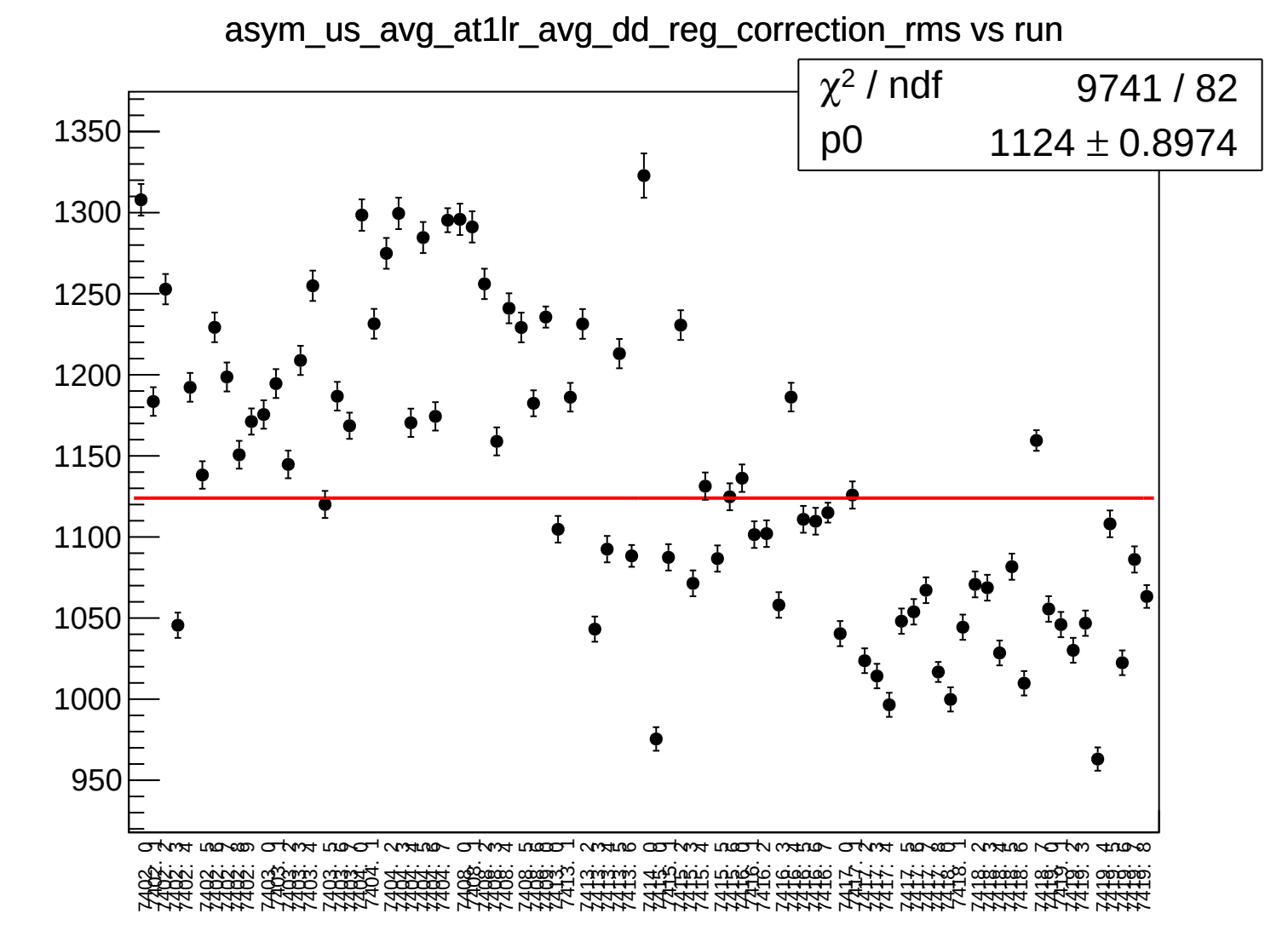

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 68.78 / 82
p0 −3639 ± 1935
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −198.2
Std Dev 0
2
1
0
−1
−2

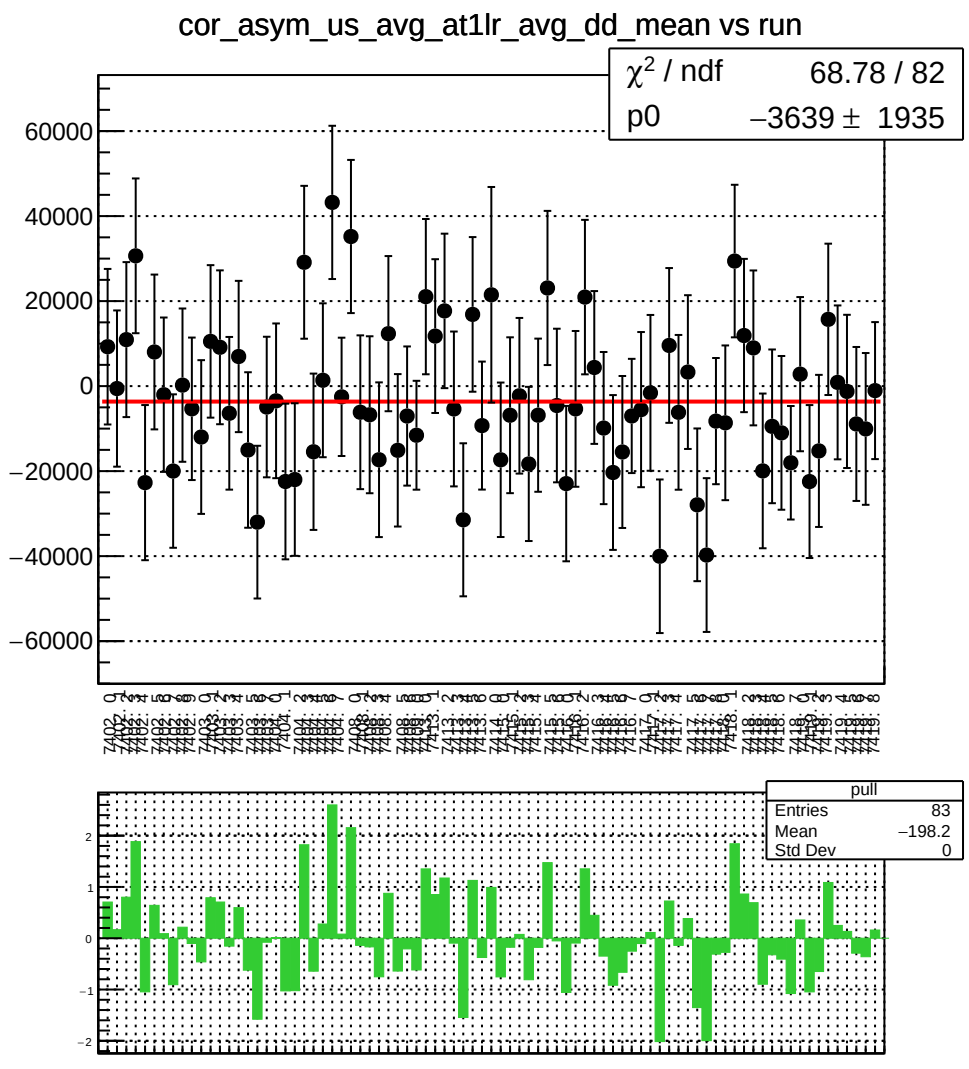

pull1D
Entries 83
Mean 0.01381
Std Dev 0.9102
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

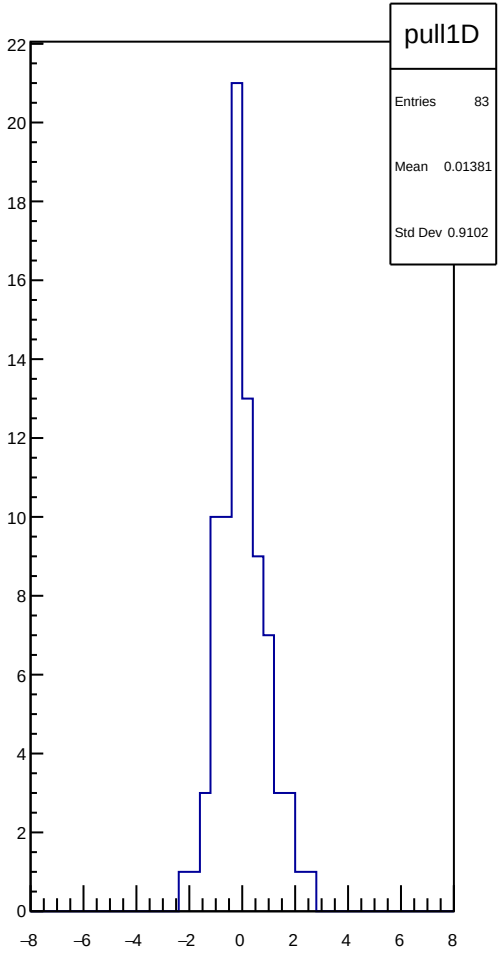

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 93.39 / 82
p0 1719 ± 1.368
1760
1740
1720
1700
1680

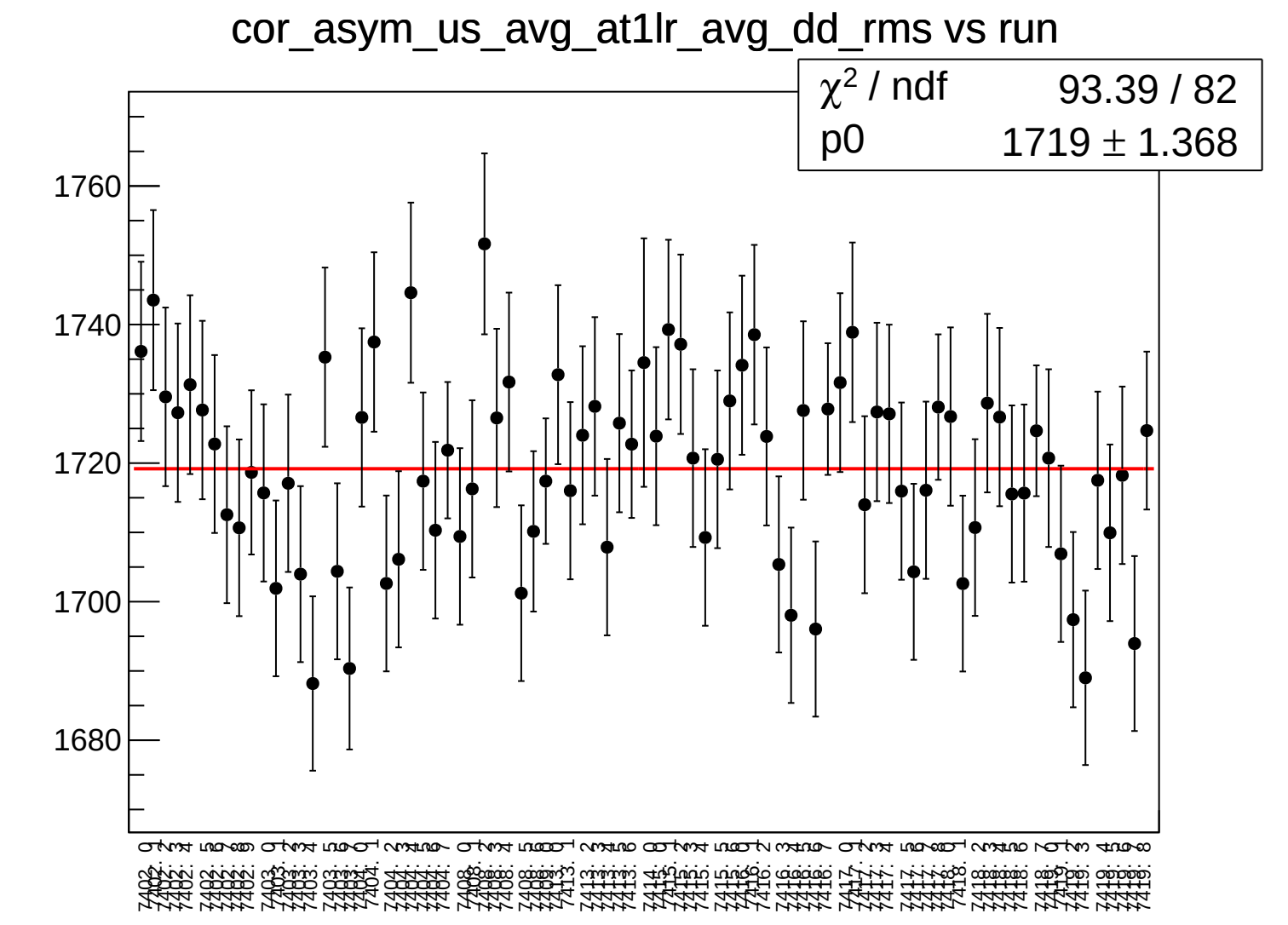

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 77.79 / 82
p0 222.1 ± 1269
pull
Entries 83
Mean −458.3
Std Dev 0

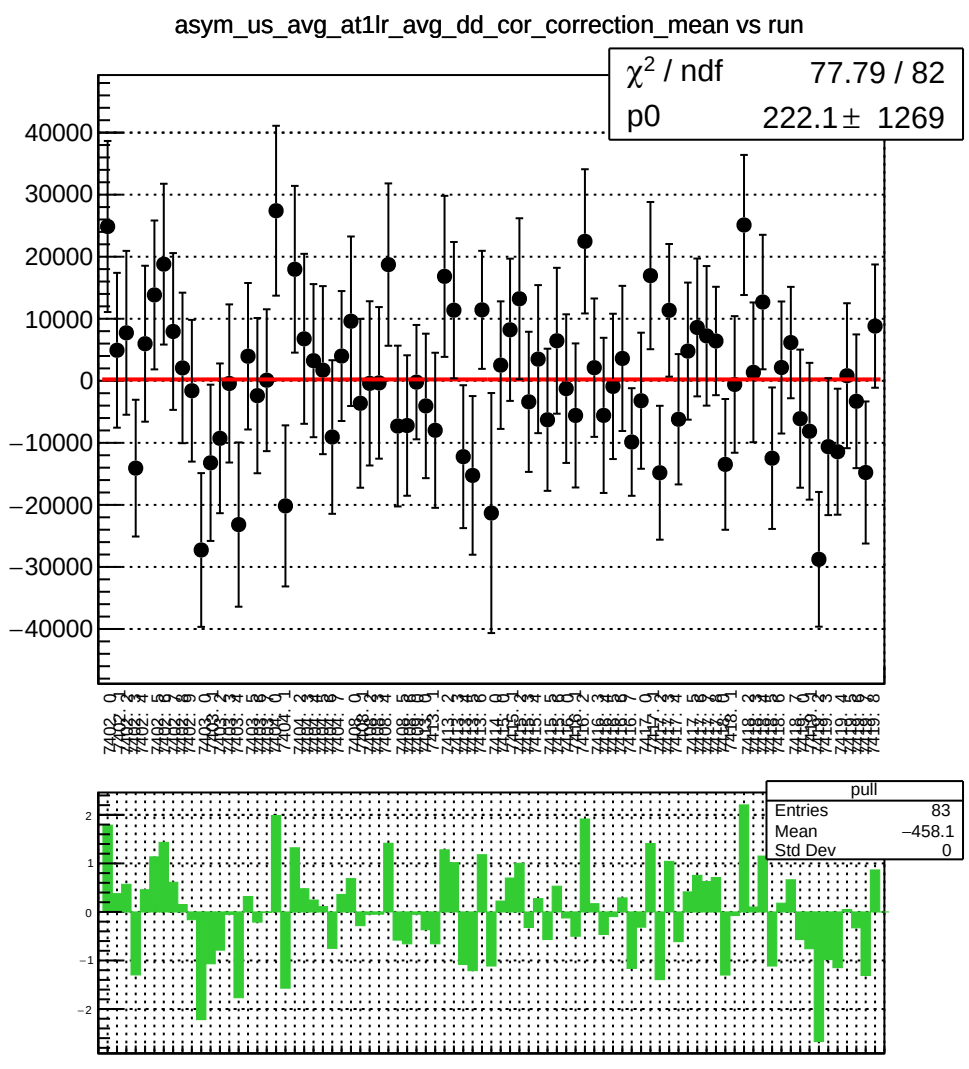

pull1D
Entries 83
Mean 0.004979
Std Dev 0.9681

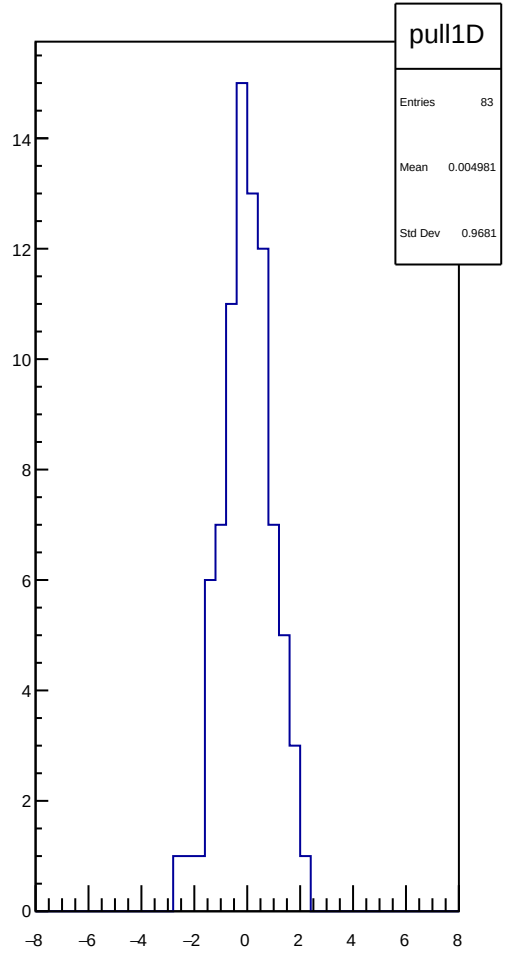

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 9741 / 82
p0 1124 ± 0.8974
1350
1300
1250
1200
1150
1100
1050
1000
950

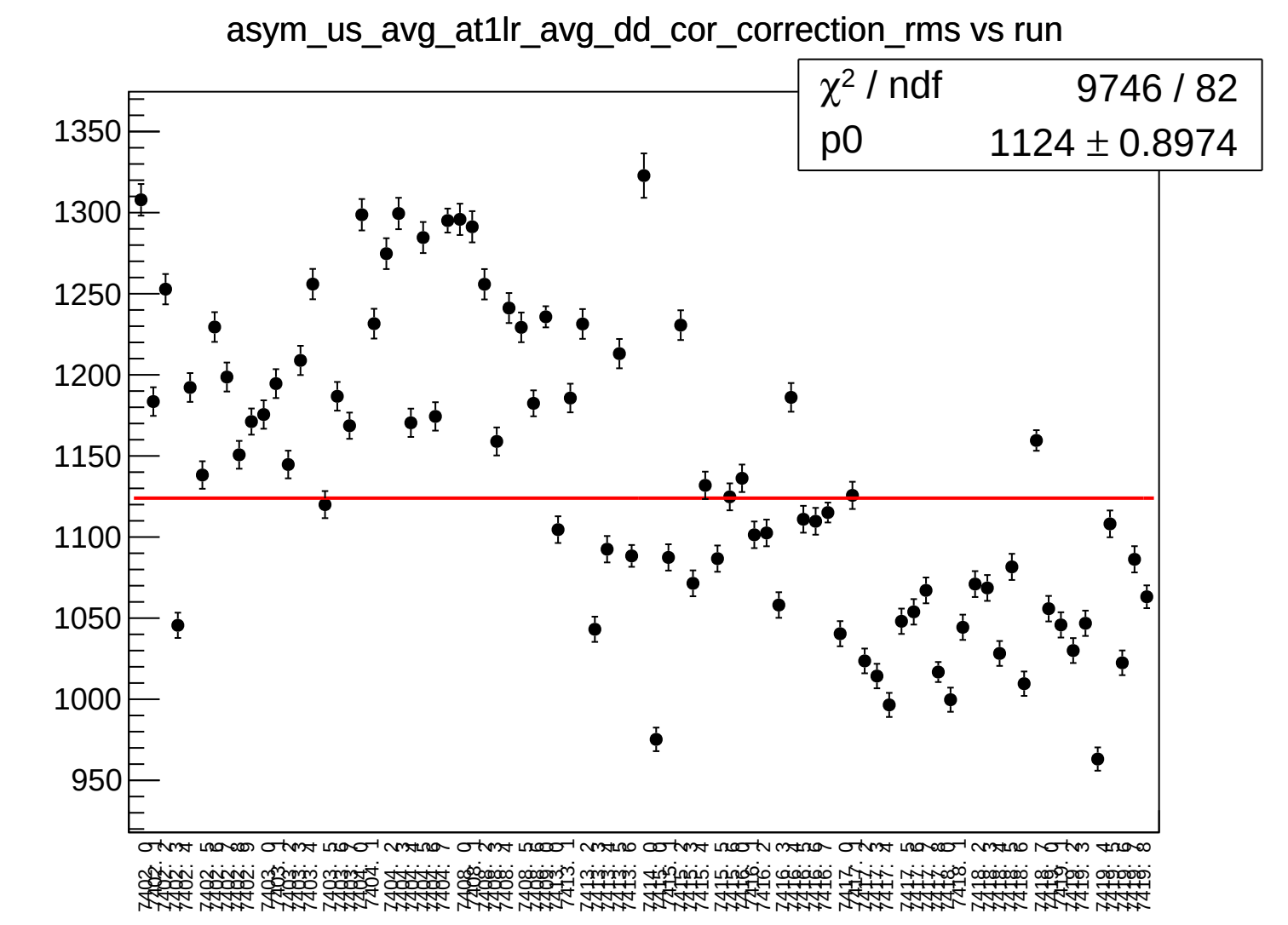

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 68.78 / 82
p0 −3639 ± 1935
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −198.2
Std Dev 0
2
1
0
−1
−2

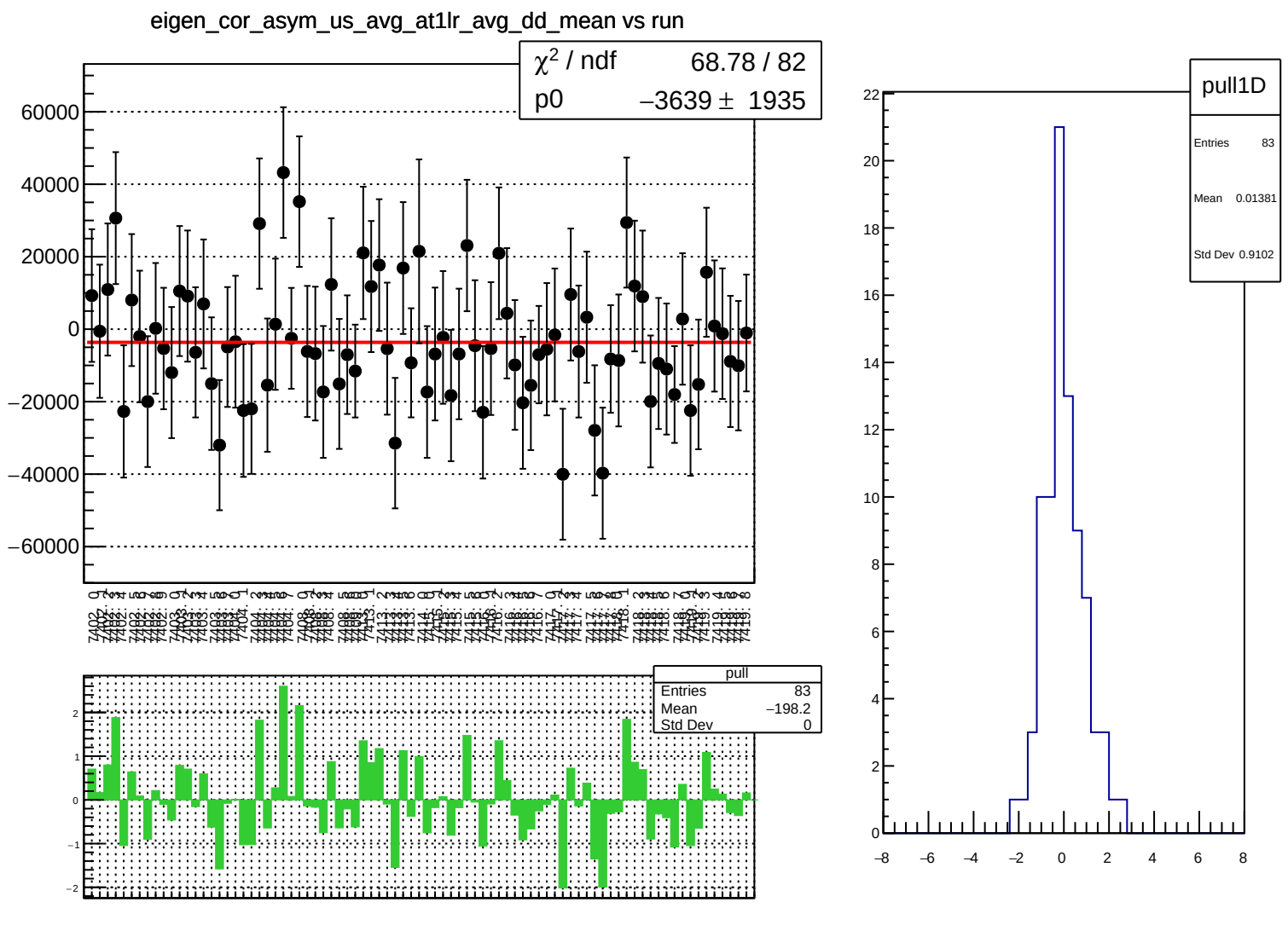

pull1D
Entries 83
Mean 0.01381
Std Dev 0.9102
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

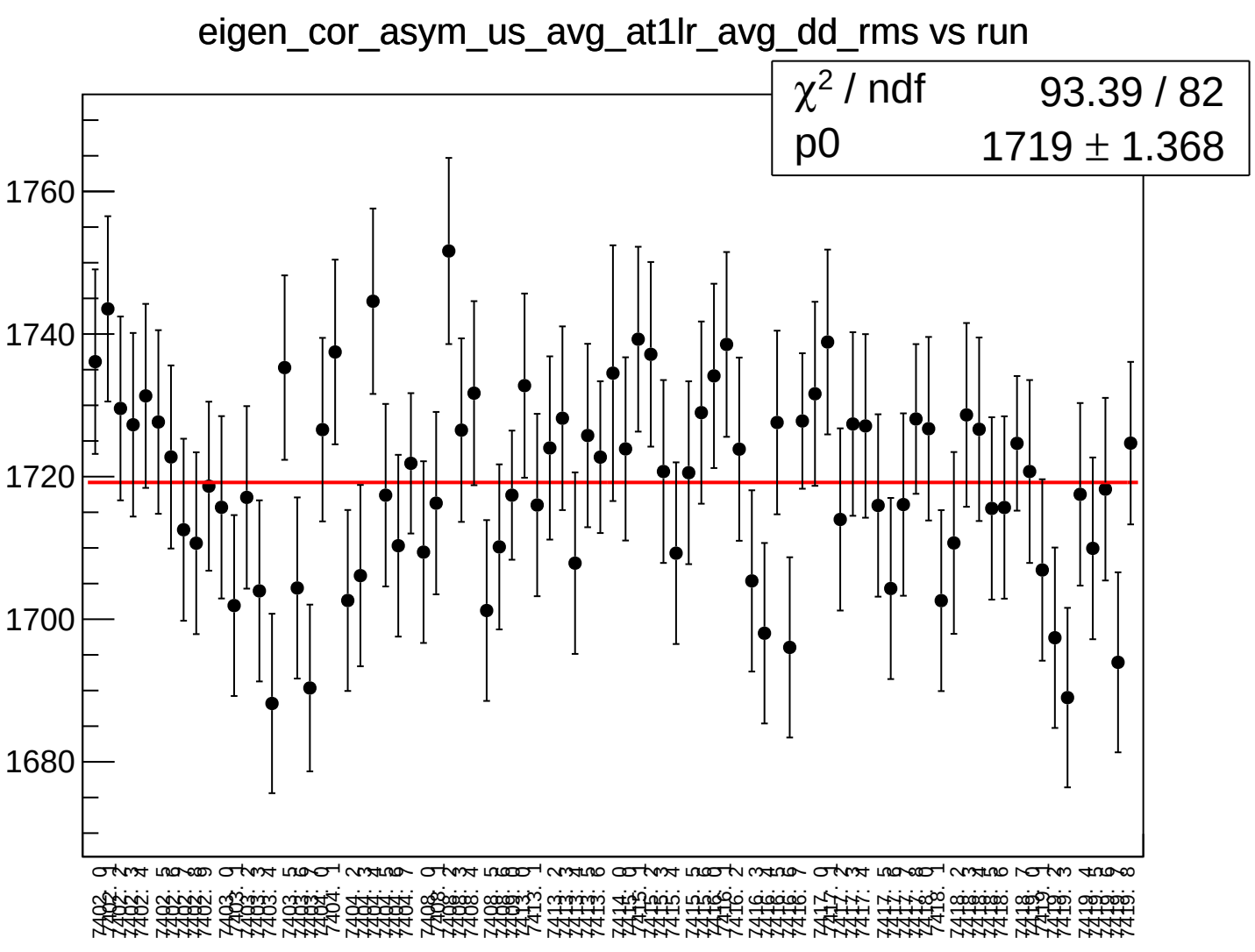

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 93.39 / 82
p0 1719 ± 1.368
1760
1740
1720
1700
1680

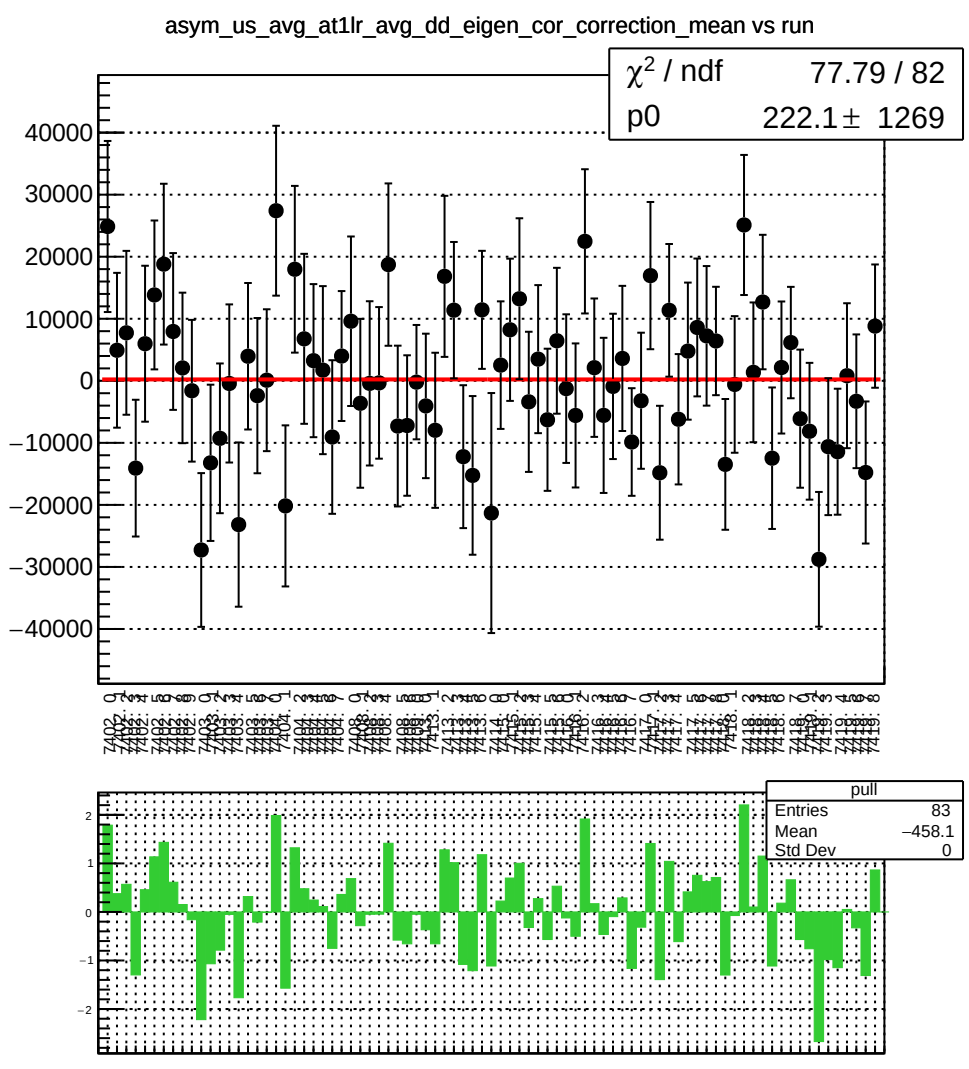

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 77.79 / 82
p0 222.1 ± 1269
pull
Entries 83
Mean −458.1
Std Dev 0

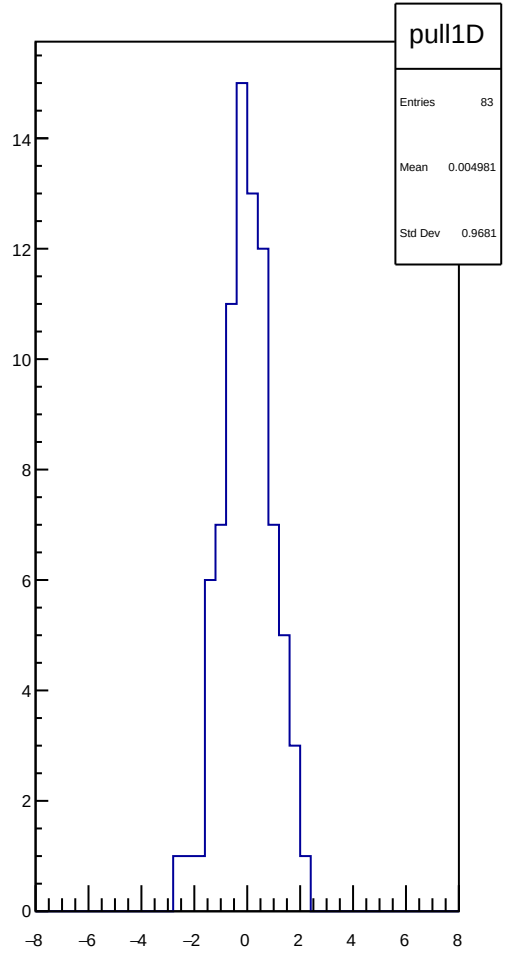

pull1D
Entries 83
Mean 0.004981
Std Dev 0.9681

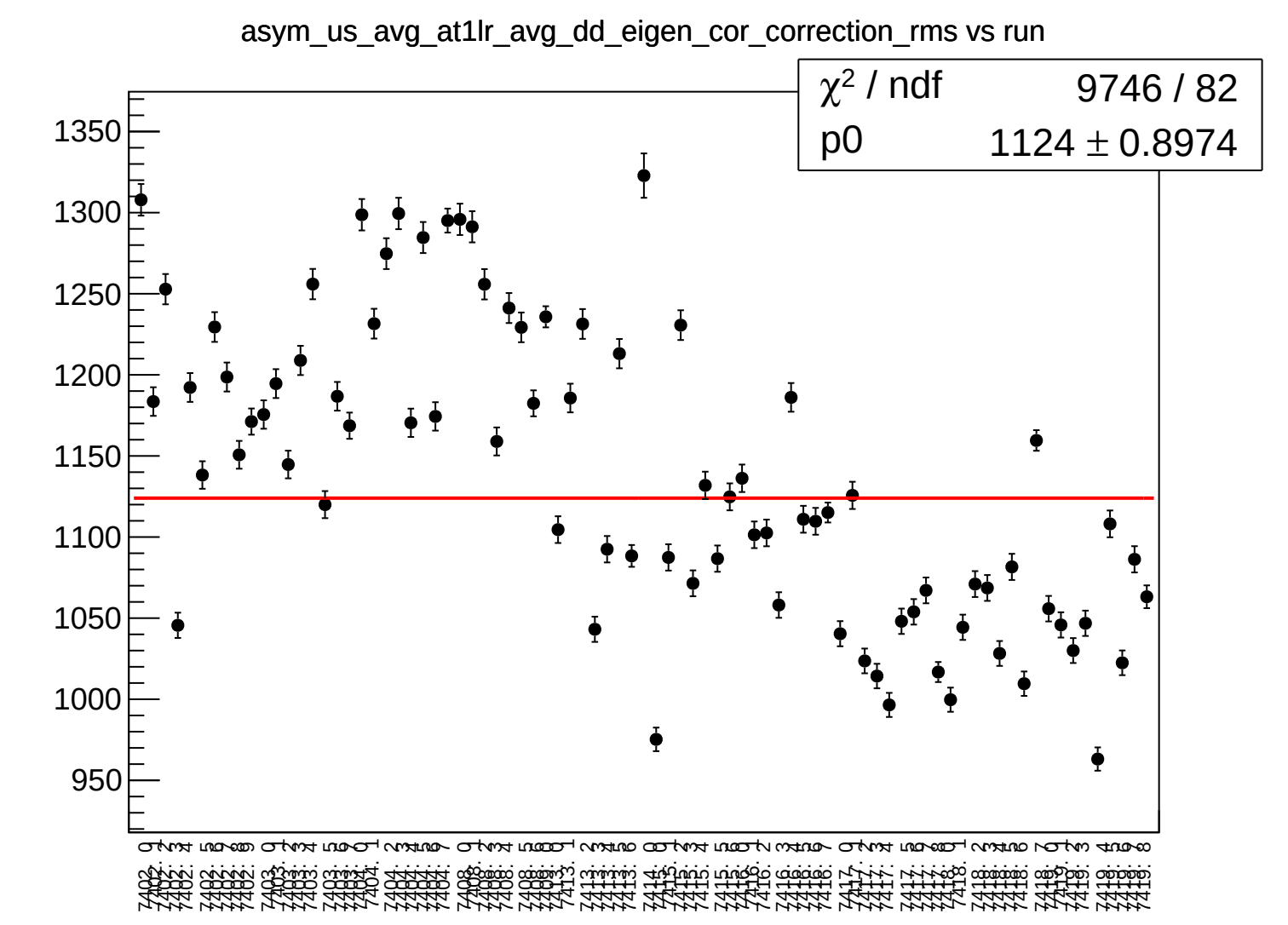

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 9746 / 82
p0 1124 ± 0.8974
1350
1300
1250
1200
1150
1100
1050
1000
950

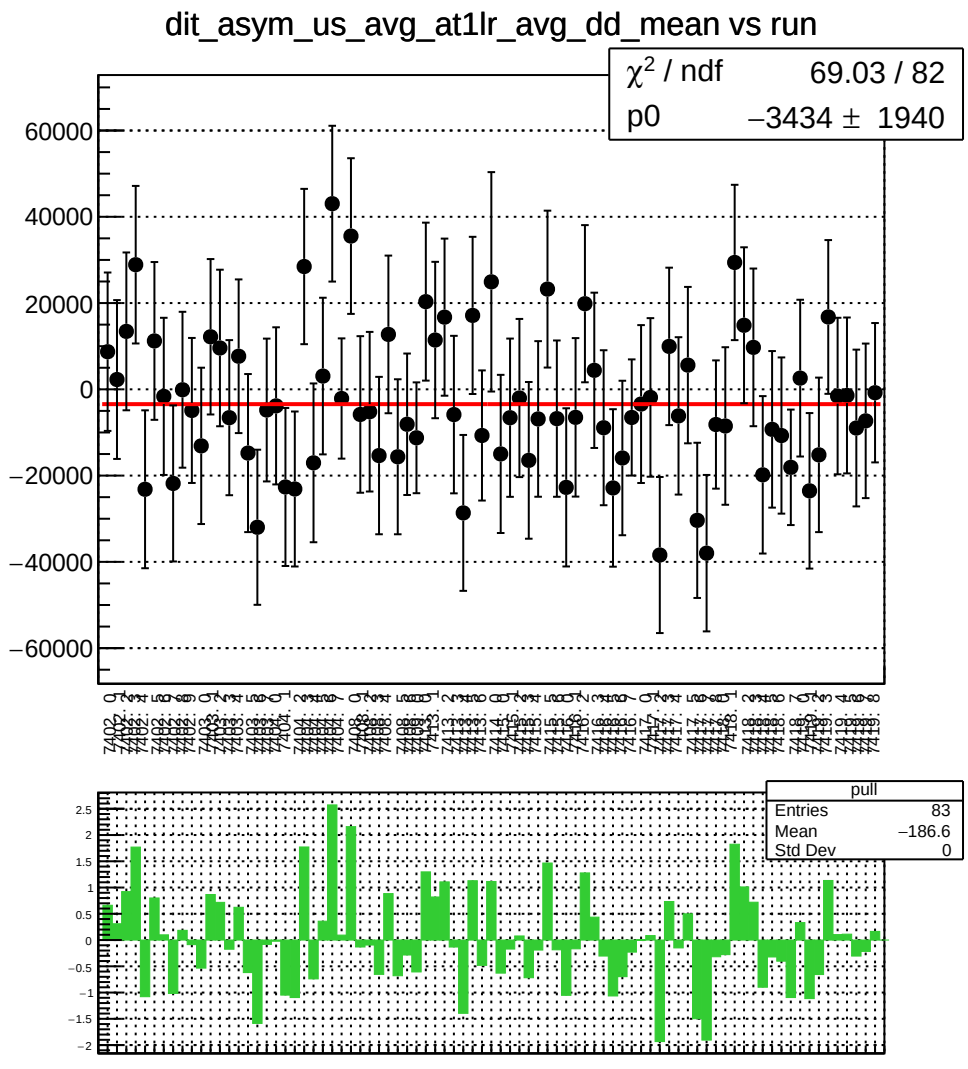

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 68.78 / 82
p0 −3639 ± 1935
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −198.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.01381
Std Dev 0.9102
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

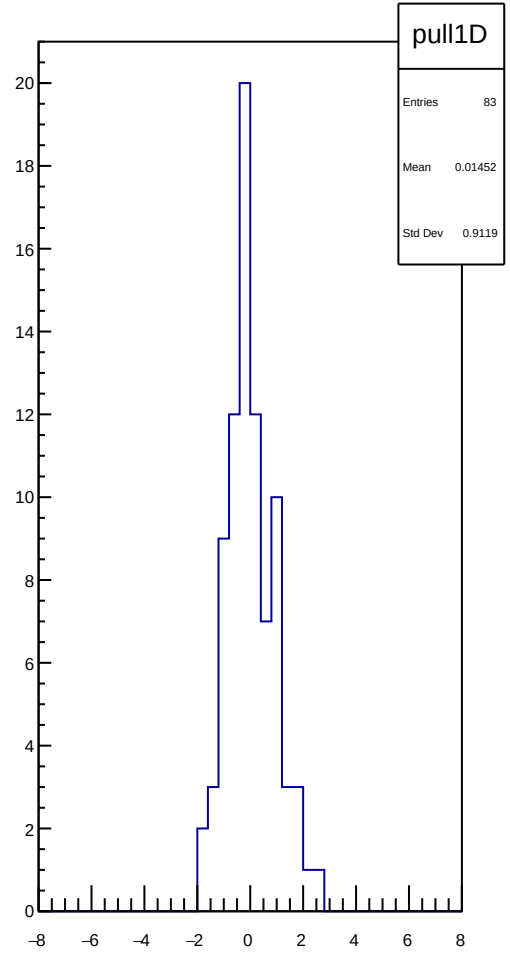

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 93.39 / 82
p0 1719 ± 1.368
1760
1740
1720
1700
1680

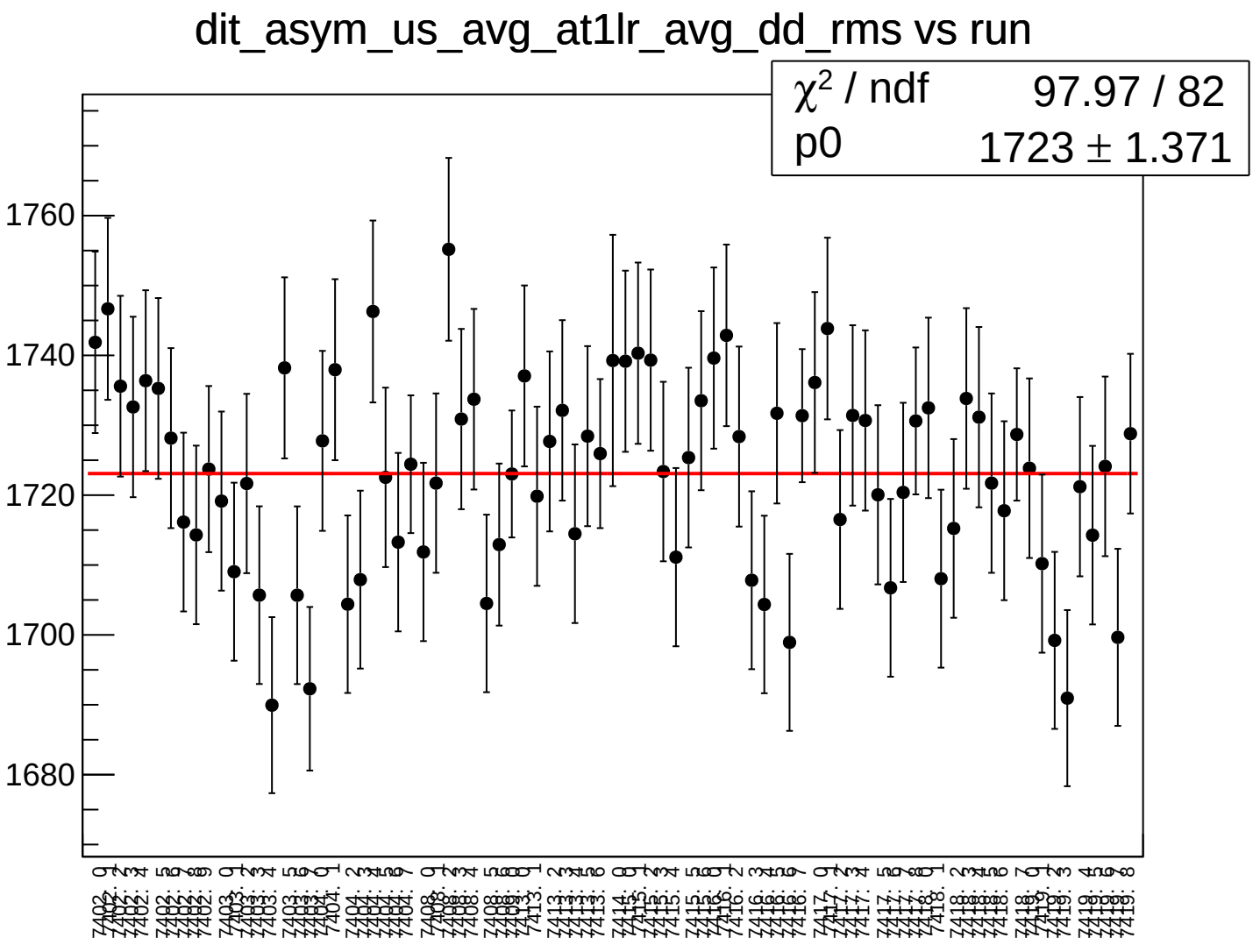

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.79 / 82
p0 222.1 ± 1269
pull
Entries 83
Mean −458.1
Std Dev 0

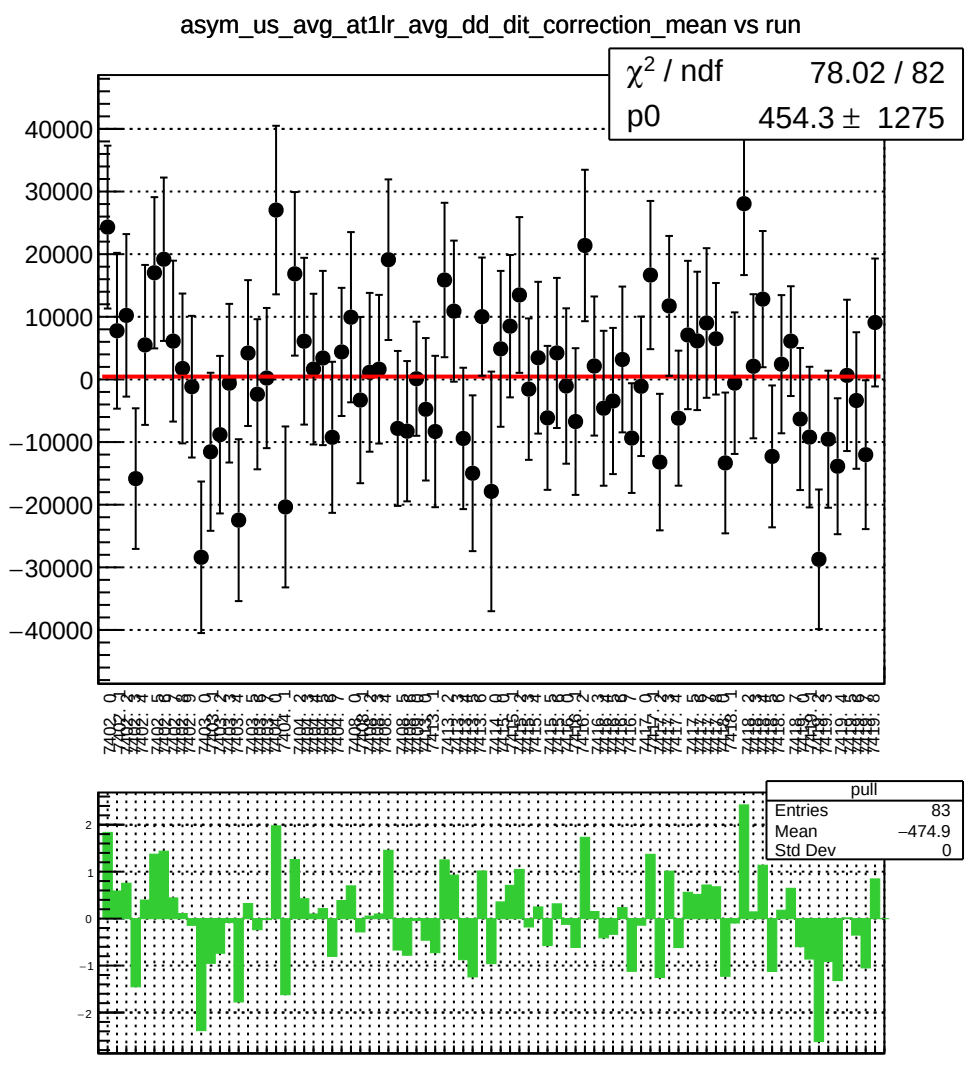

pull1D
Entries 83
Mean 0.004981
Std Dev 0.9681

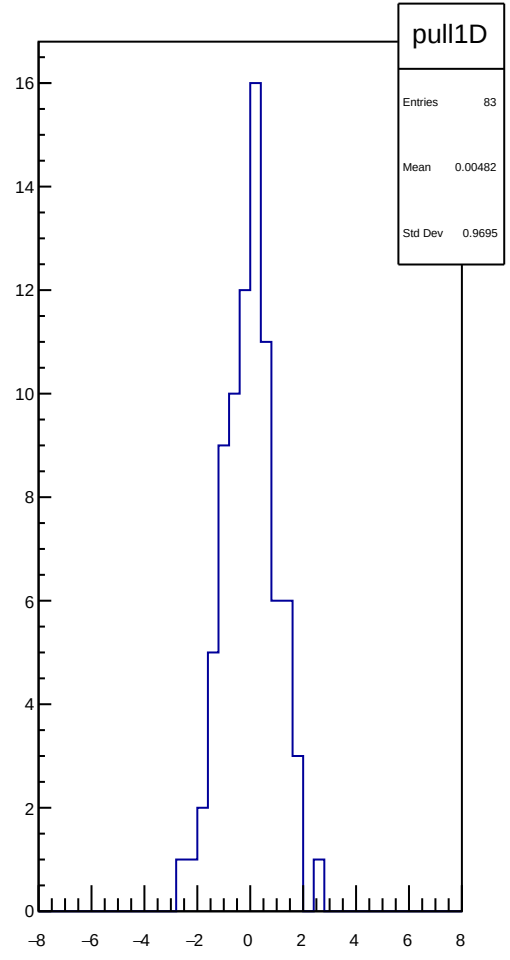

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 9746 / 82
p0 1124 ± 0.8974
1350
1300
1250
1200
1150
1100
1050
1000
950

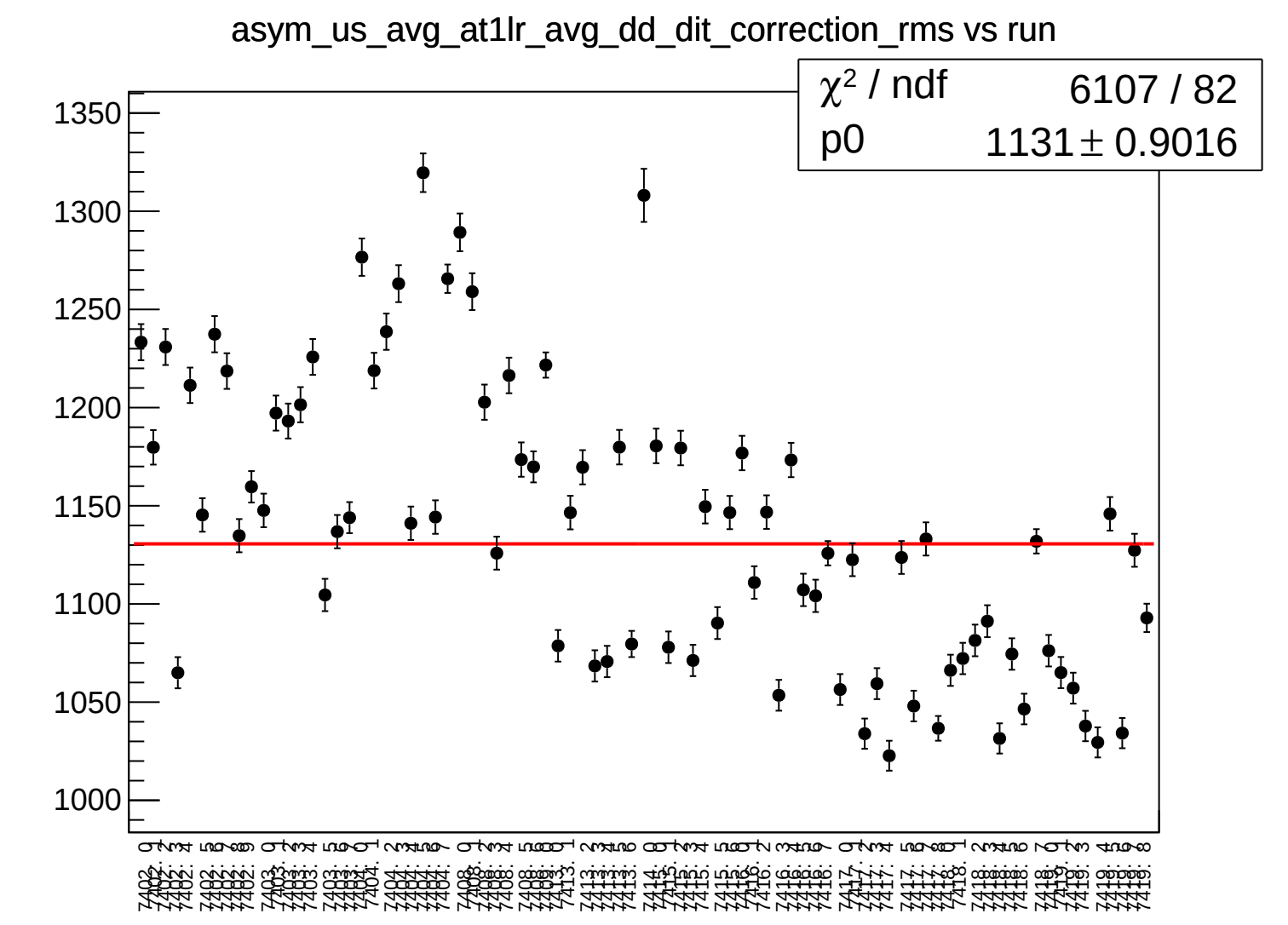

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 69.03 / 82
p0 −3434 ± 1940
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −186.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

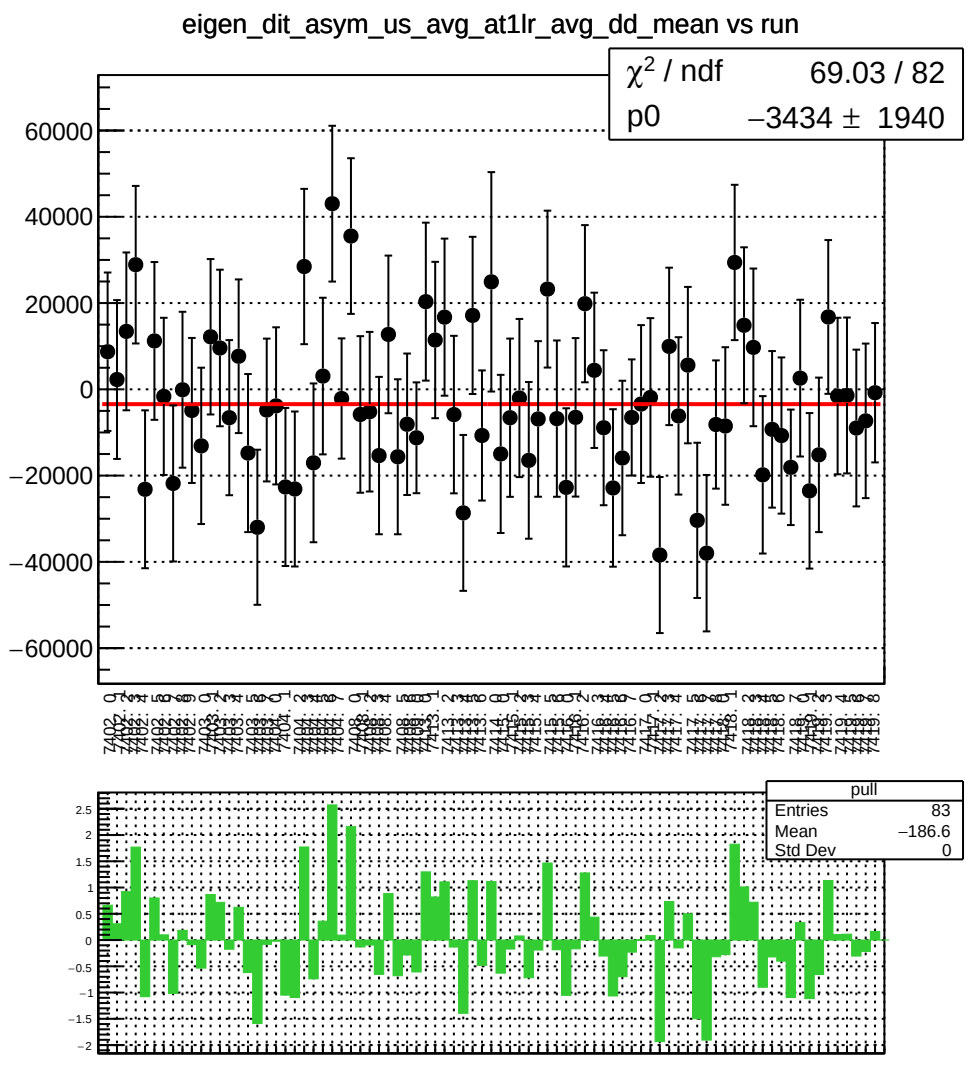

pull1D
Entries 83
Mean 0.01452
Std Dev 0.9119
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

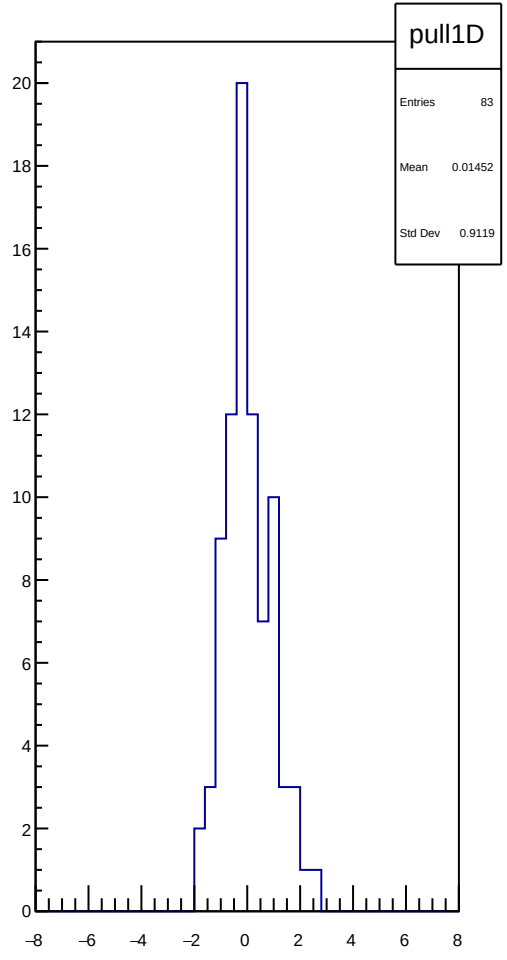

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 97.97 / 82
p0 1723 ± 1.371
1760
1740
1720
1700
1680

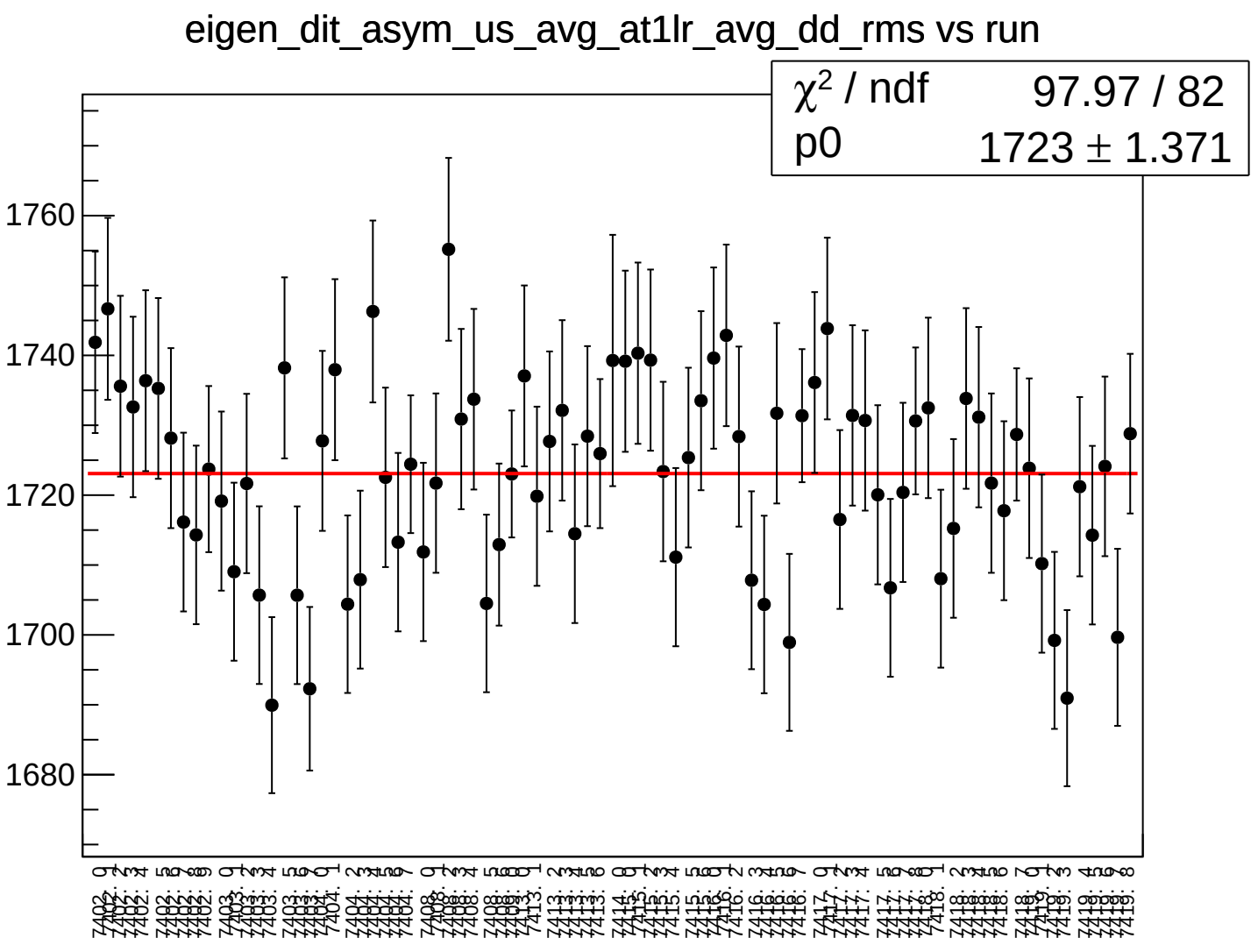

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 78.02 / 82
p0 454.3 ± 1275
pull
Entries 83
Mean −474.9
Std Dev 0

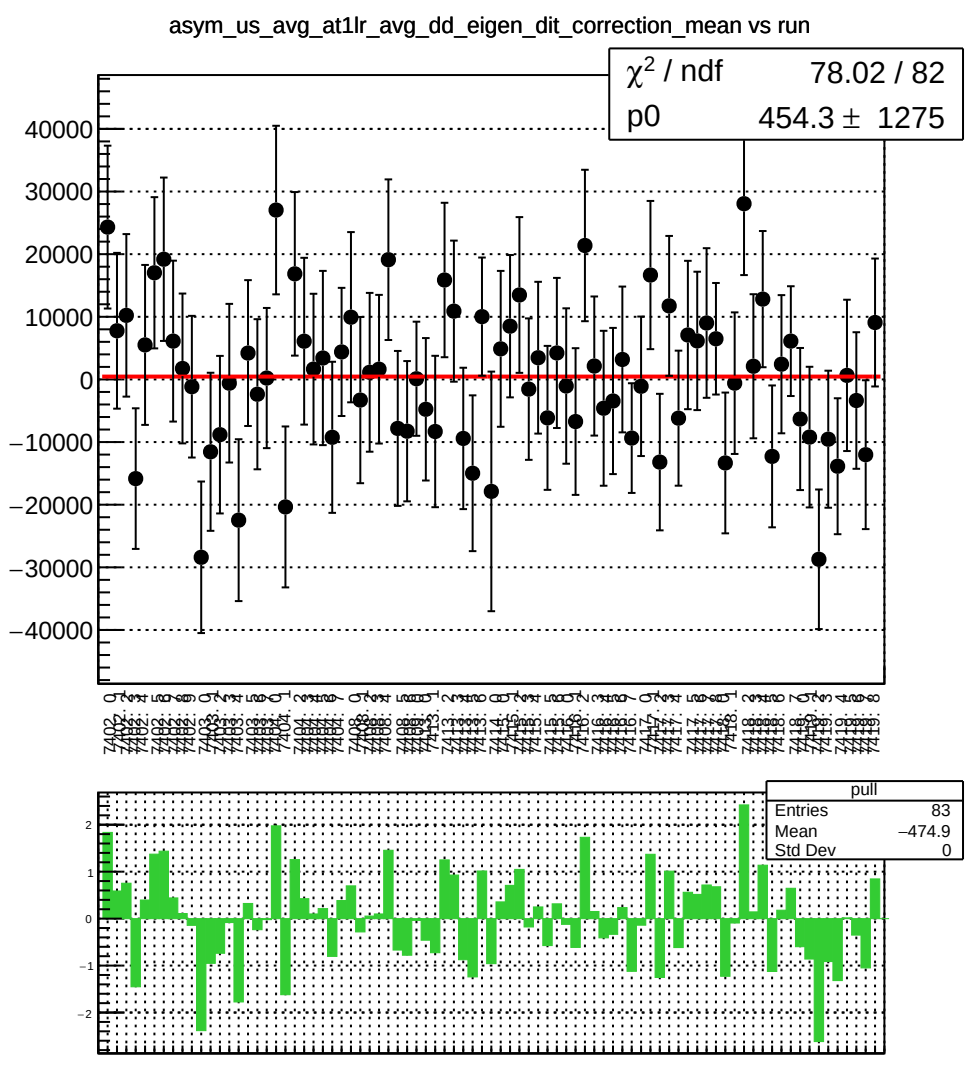

pull1D
Entries 83
Mean 0.00482
Std Dev 0.9695

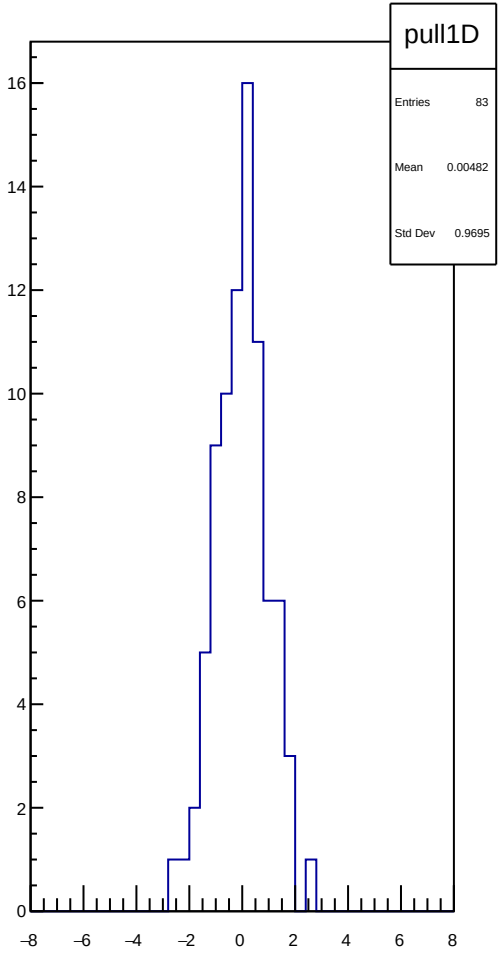

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 6107 / 82
p0 1131 ± 0.9016
1350
1300
1250
1200
1150
1100
1050
1000

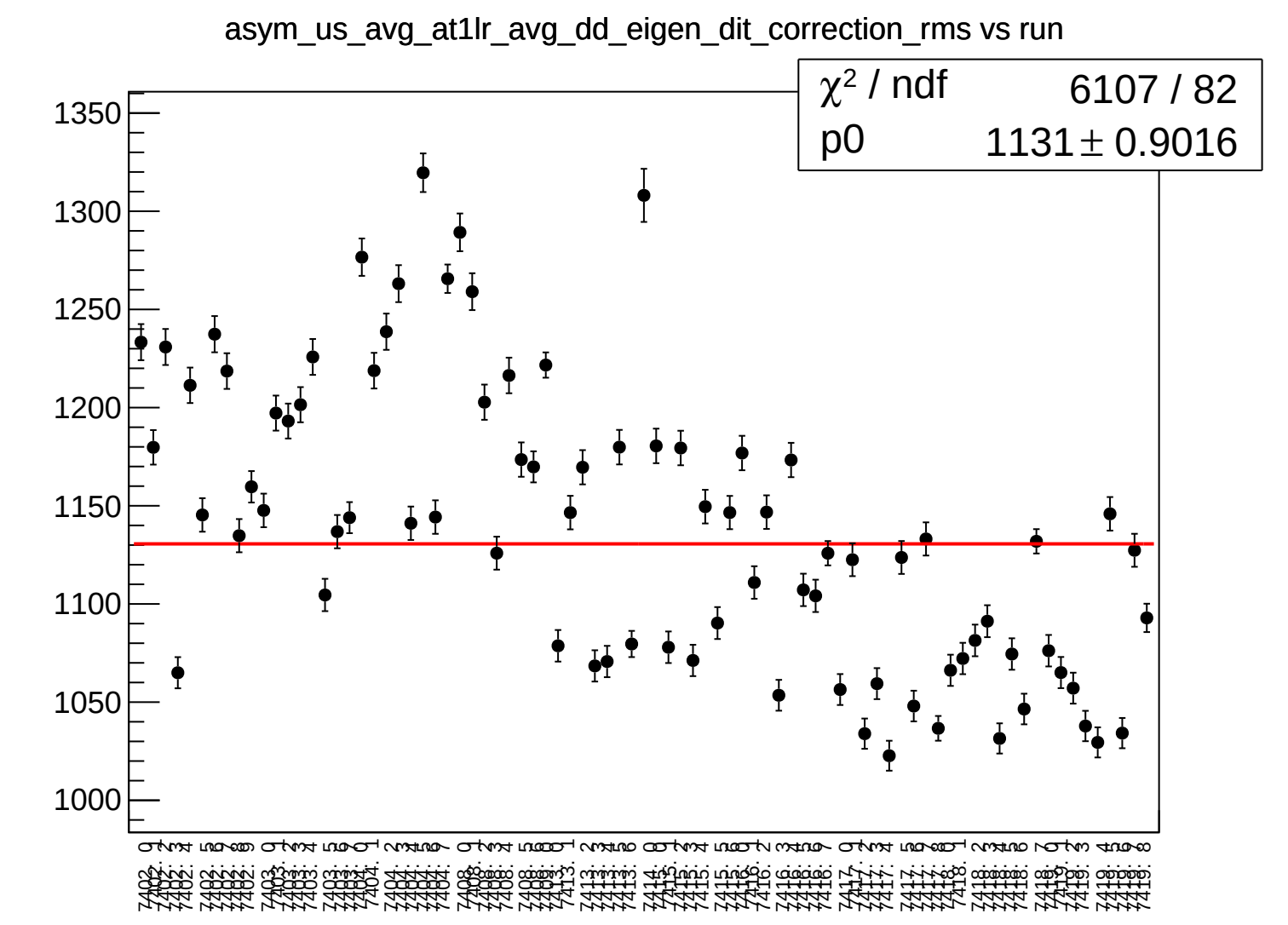

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 69.03 / 82
p0 −3434 ± 1940
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −186.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

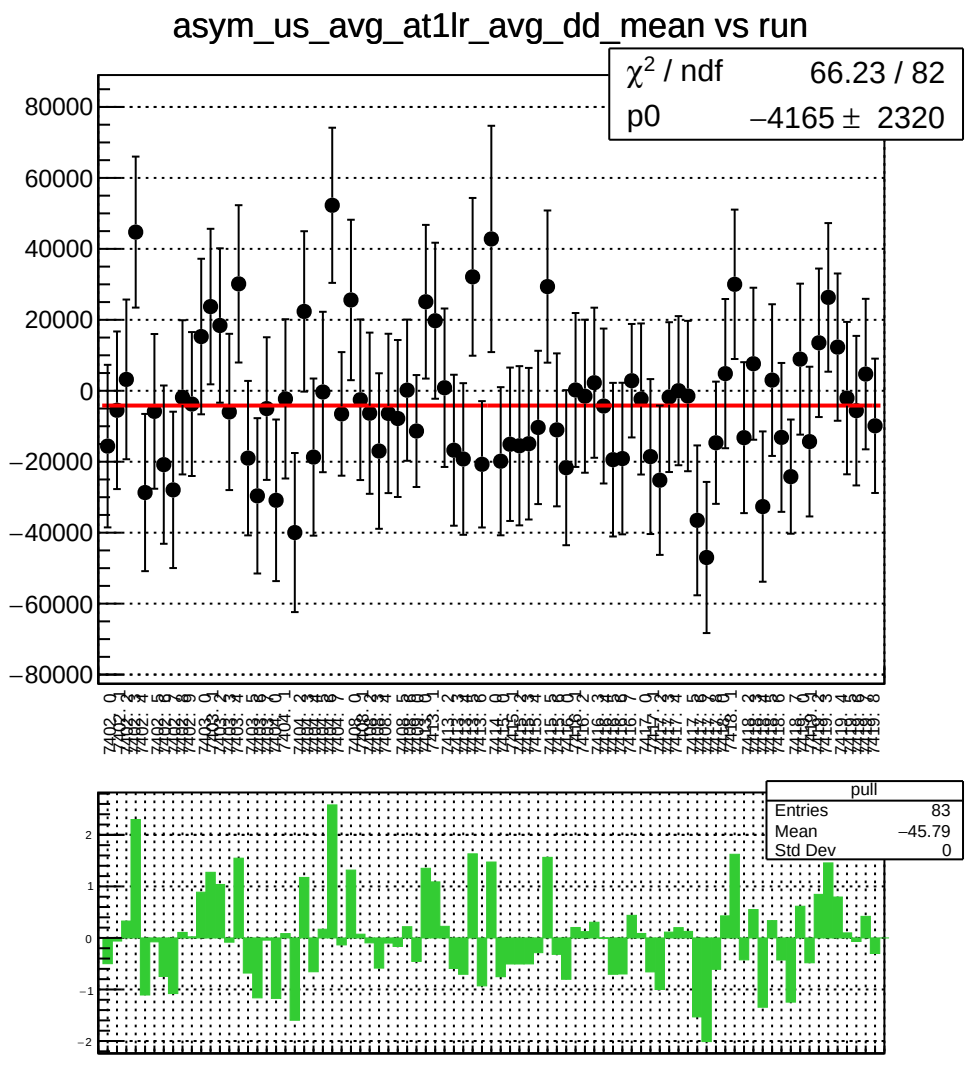

pull1D
Entries 83
Mean 0.01452
Std Dev 0.9119
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

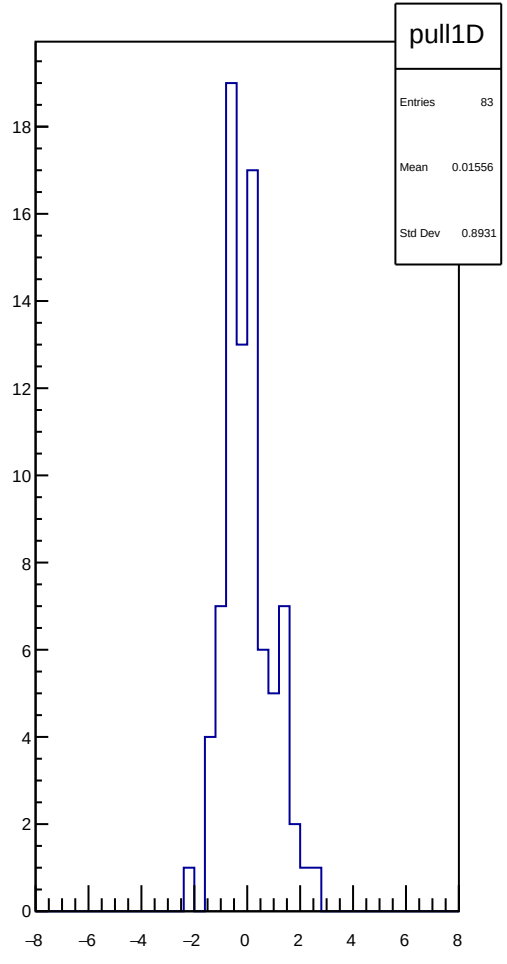

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 97.97 / 82
p0 1723 ± 1.371
1760
1740
1720
1700
1680

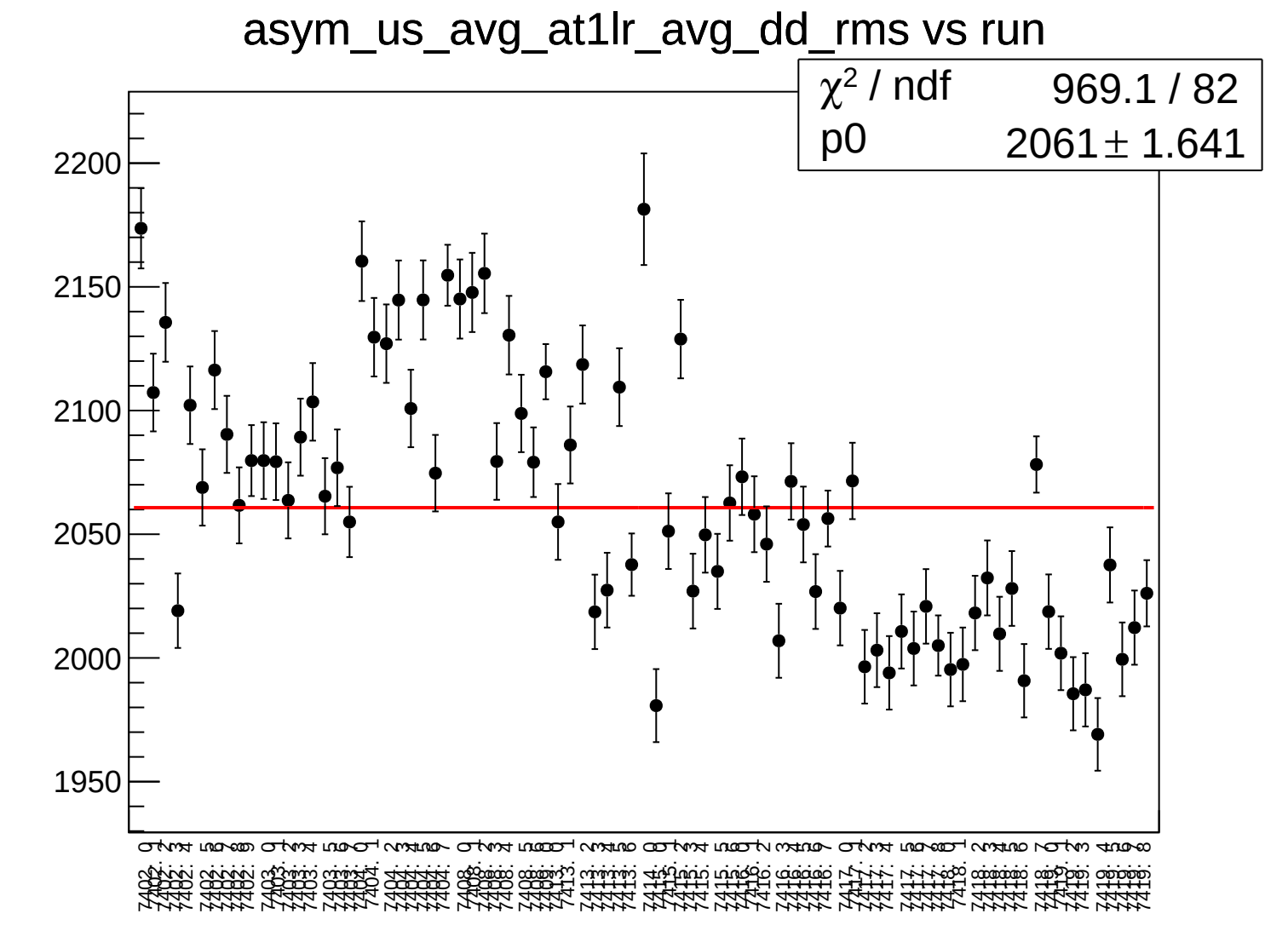

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.02 / 82
p0 454.3 ± 1275
pull
Entries 83
Mean −474.9
Std Dev 0

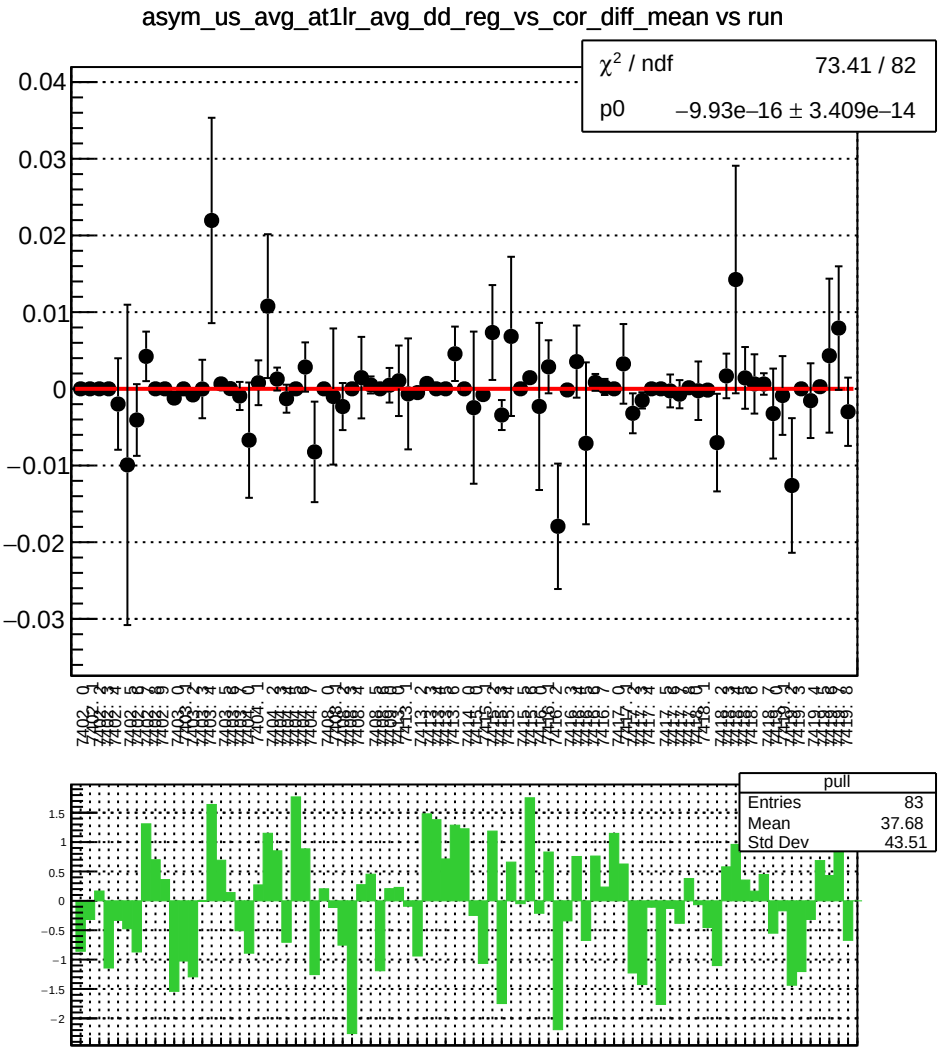

pull1D
Entries 83
Mean 0.00482
Std Dev 0.9695

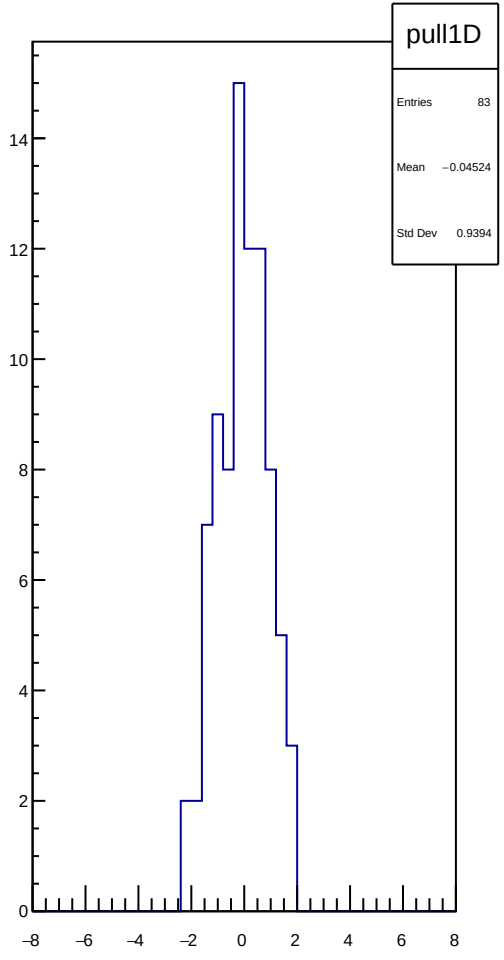

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6107 / 82
p0 1131 ± 0.9016
1350
1300
1250
1200
1150
1100
1050
1000

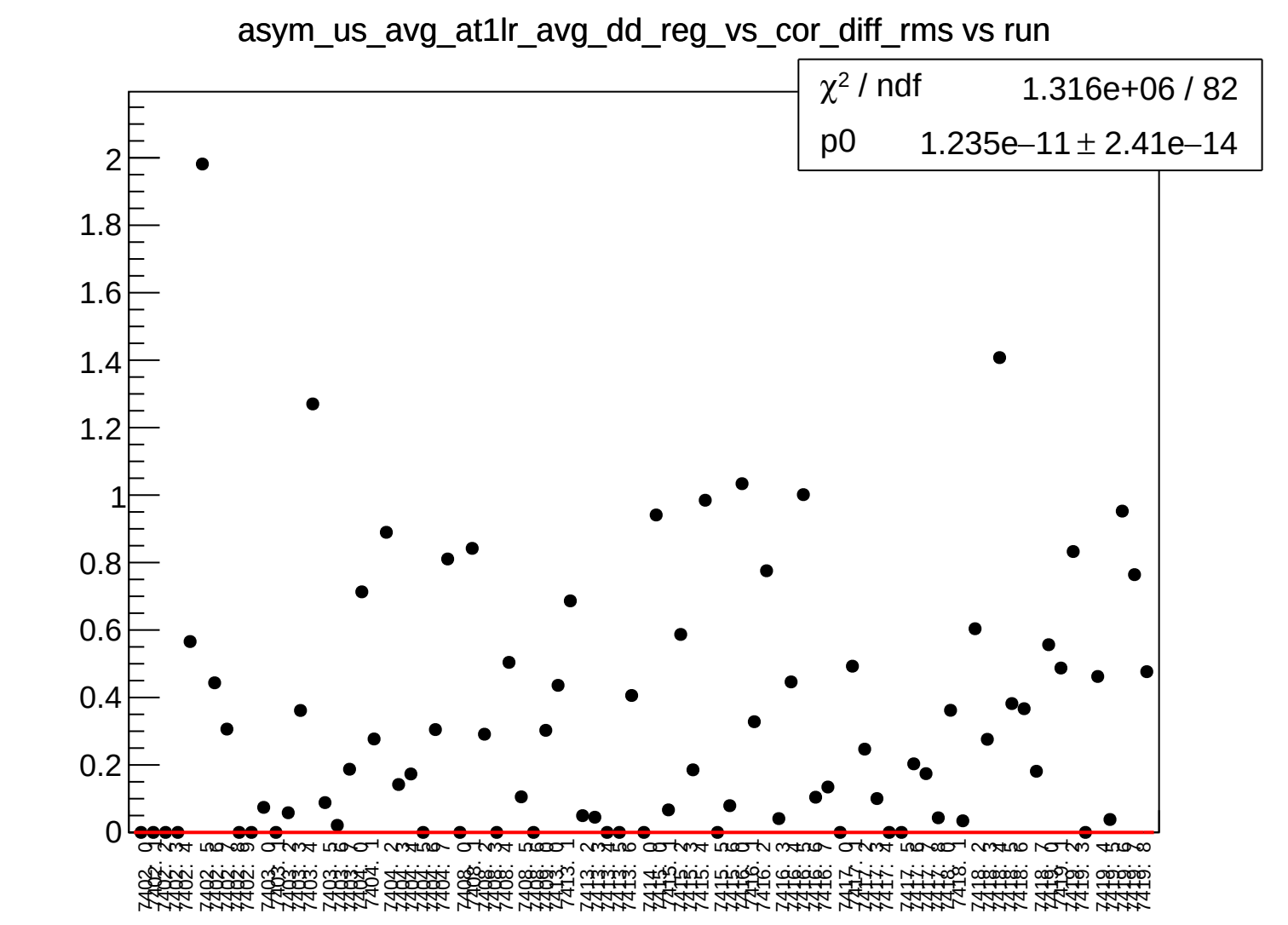

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 66.23 / 82
p0 −4165 ± 2320
pull
Entries 83
Mean −45.79
Std Dev 0

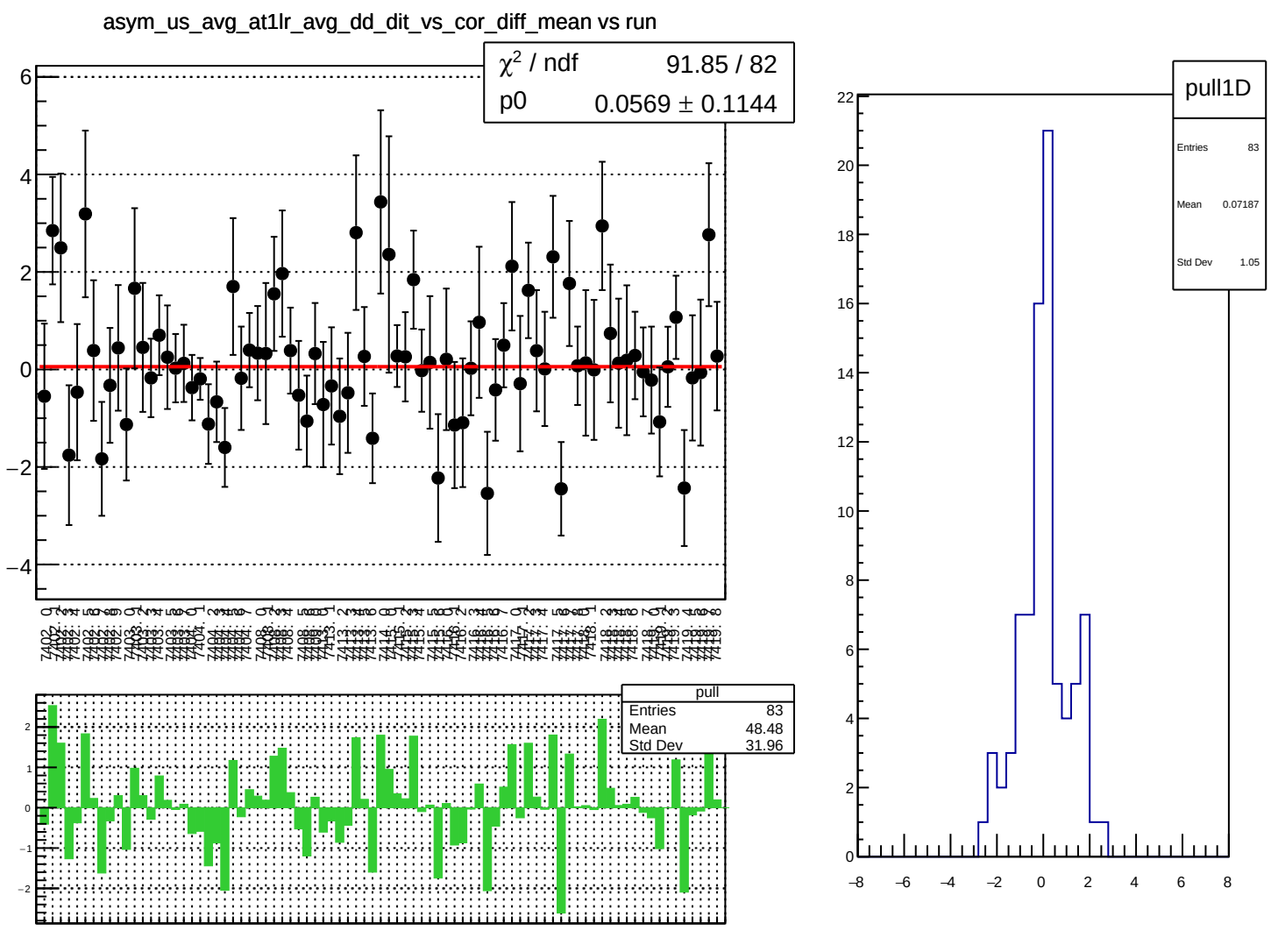

pull1D
Entries 83
Mean 0.01556
Std Dev 0.8931

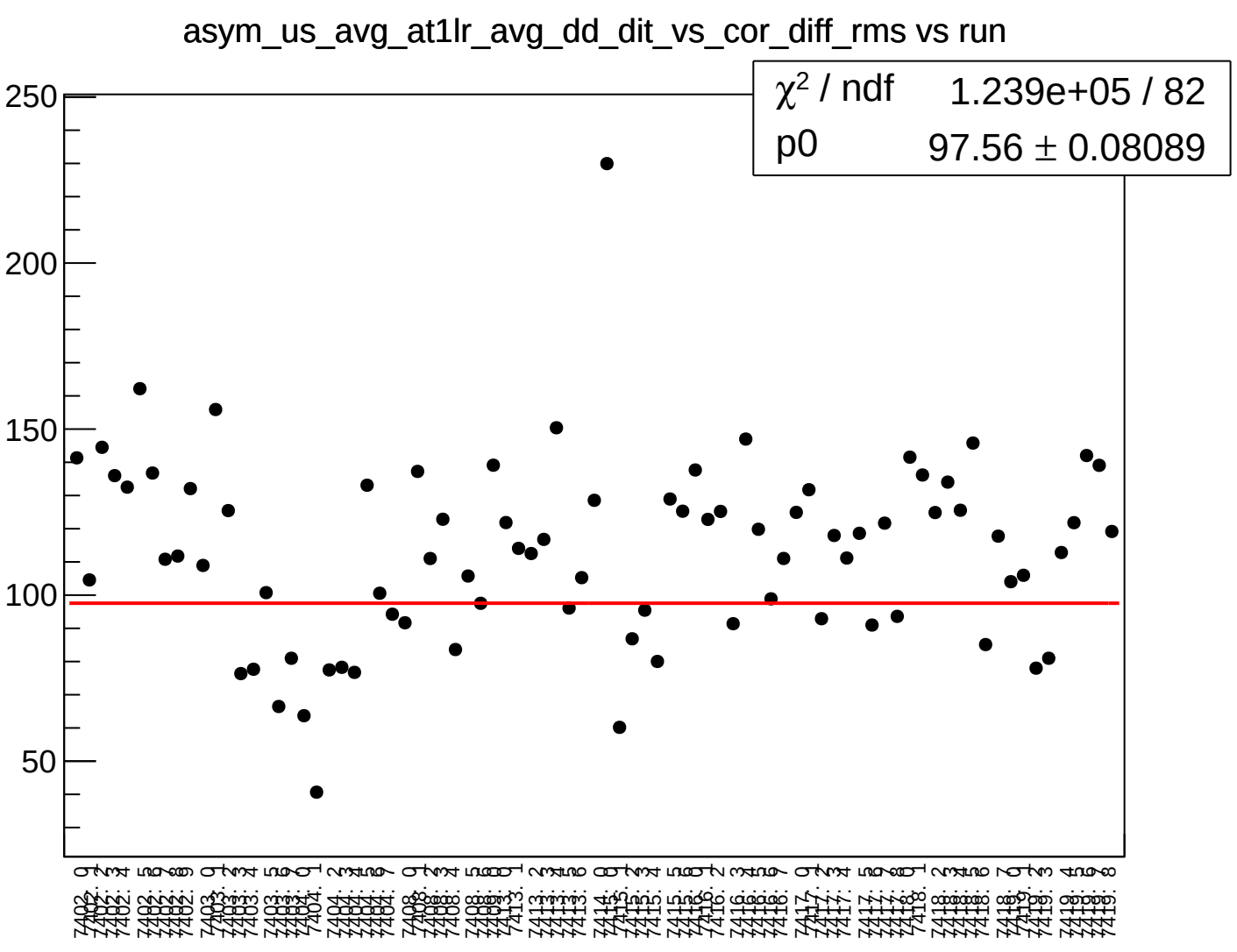

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 969.1 / 82
p0 2061 ± 1.641
2200
2150
2100
2050
2000
1950


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 73.41 / 82
p0 −9.93e−16 ± 3.409e−14
pull
Entries 83
Mean 37.68
Std Dev 43.51

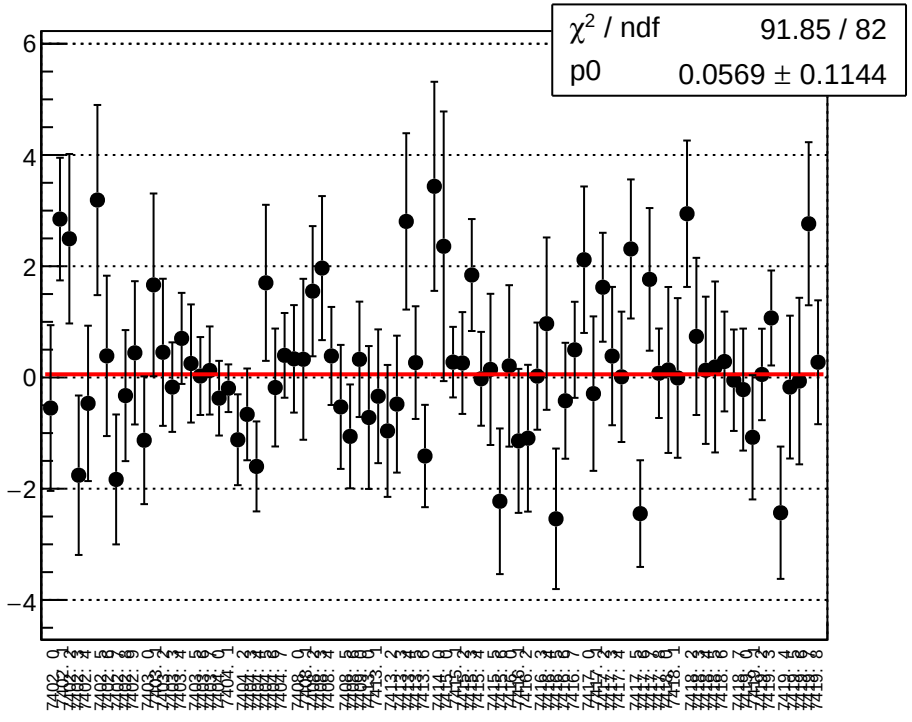

pull1D
Entries 83
Mean −0.04524
Std Dev 0.9394

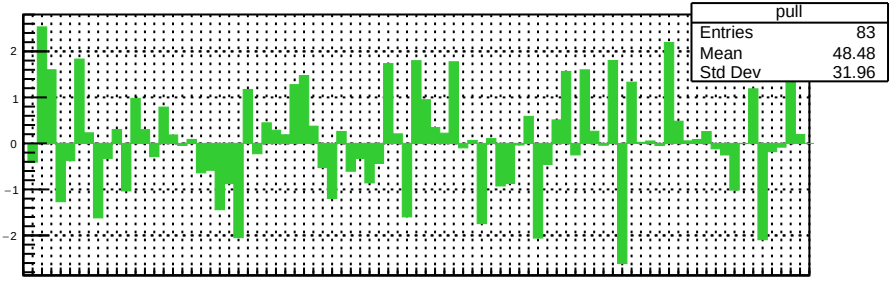

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.316e+06 / 82
p0 1.235e−11 ± 2.41e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

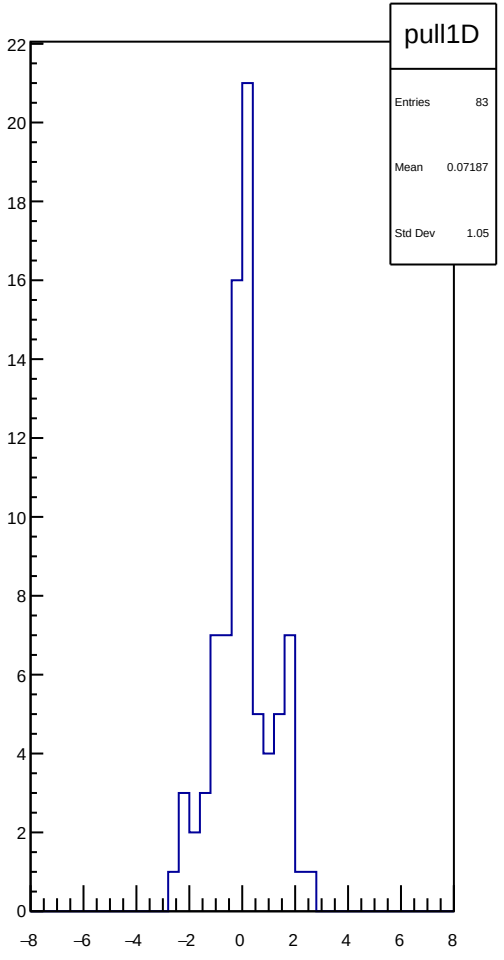

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 91.85 / 82
p0 0.0569 ± 0.1144
pull
Entries 83
Mean 48.48
Std Dev 31.96
pull1D
Entries 83
Mean 0.07187
Std Dev 1.05

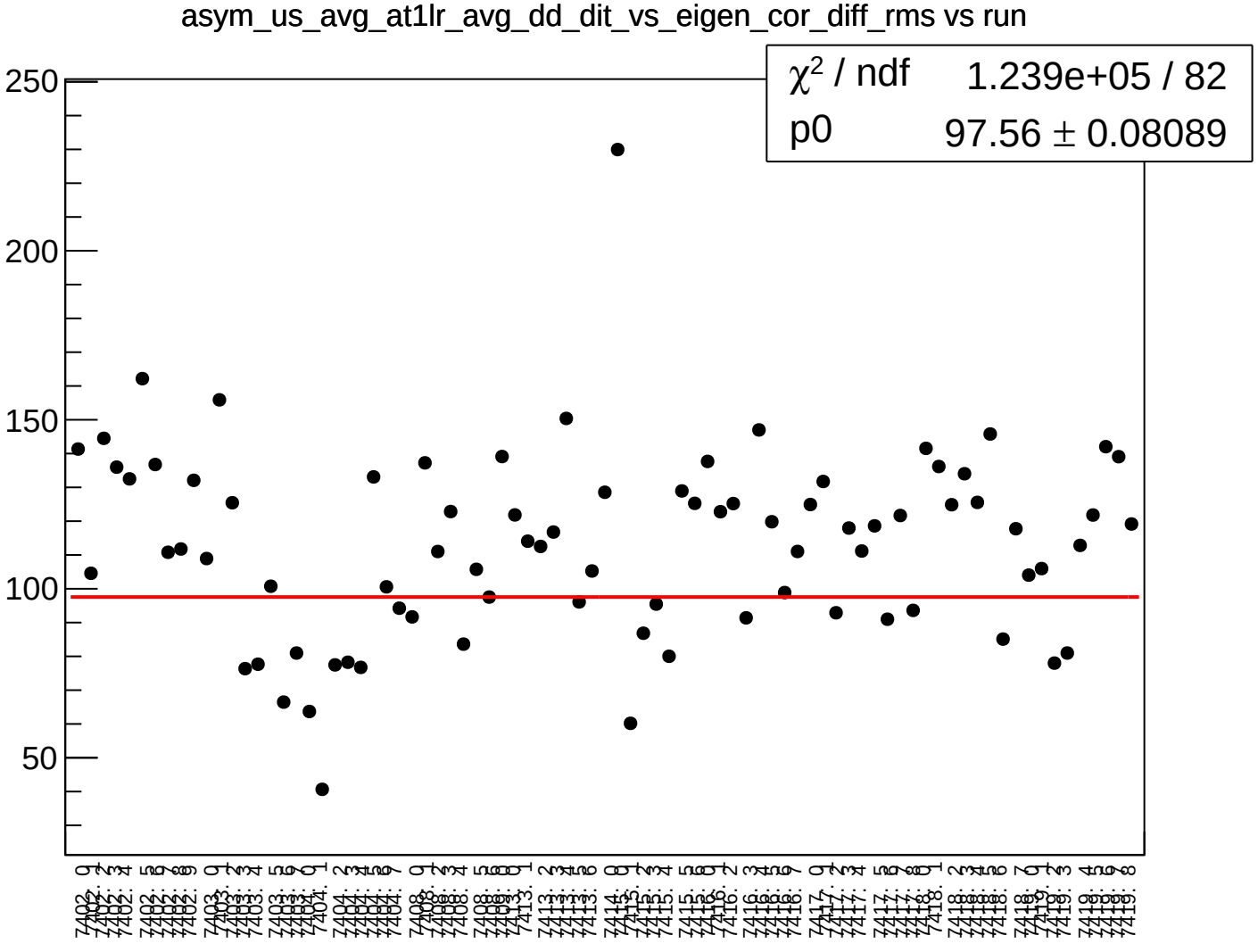

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 82
p0 97.56 ± 0.08089
250
200
150
100
50

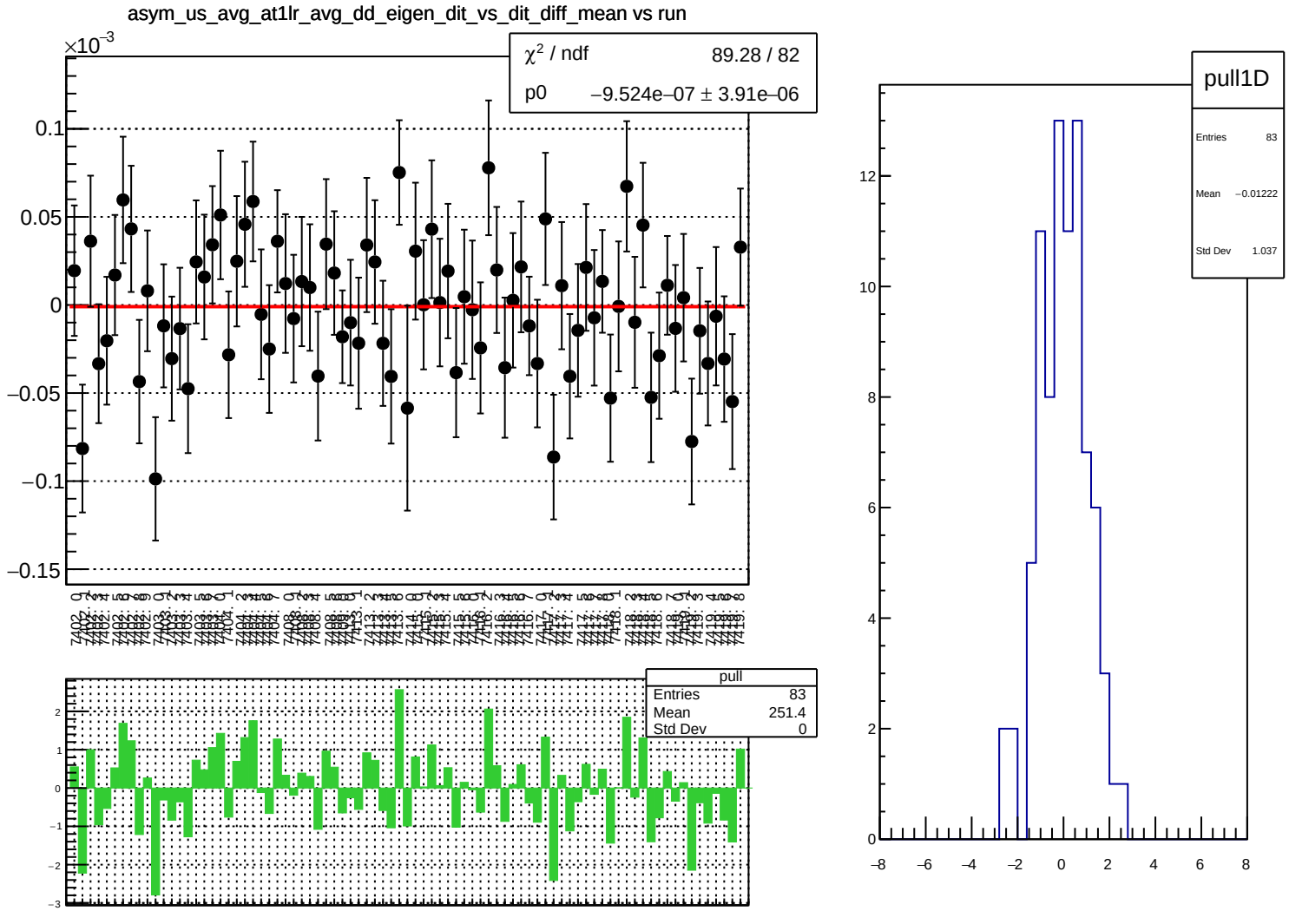
asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run

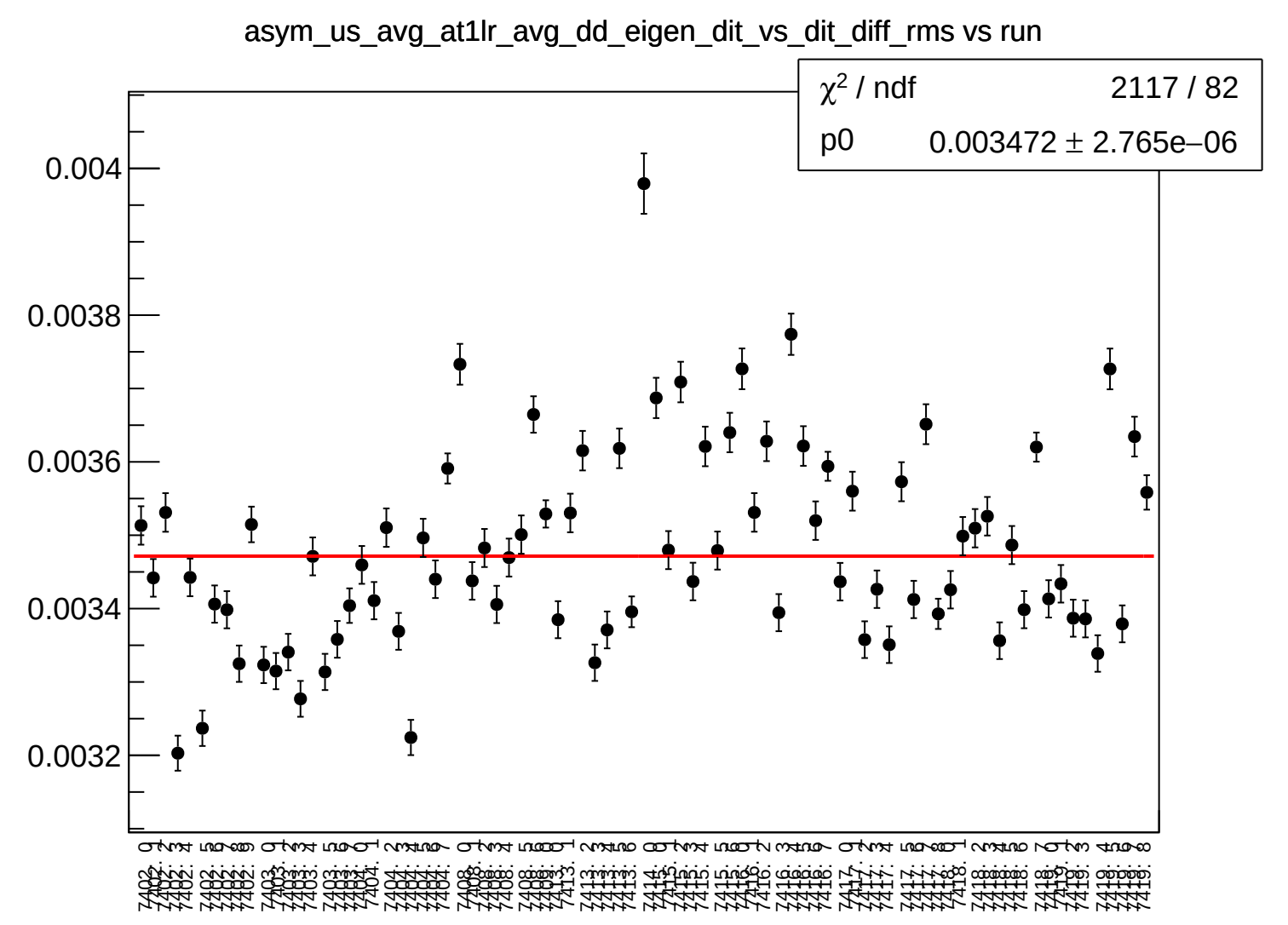


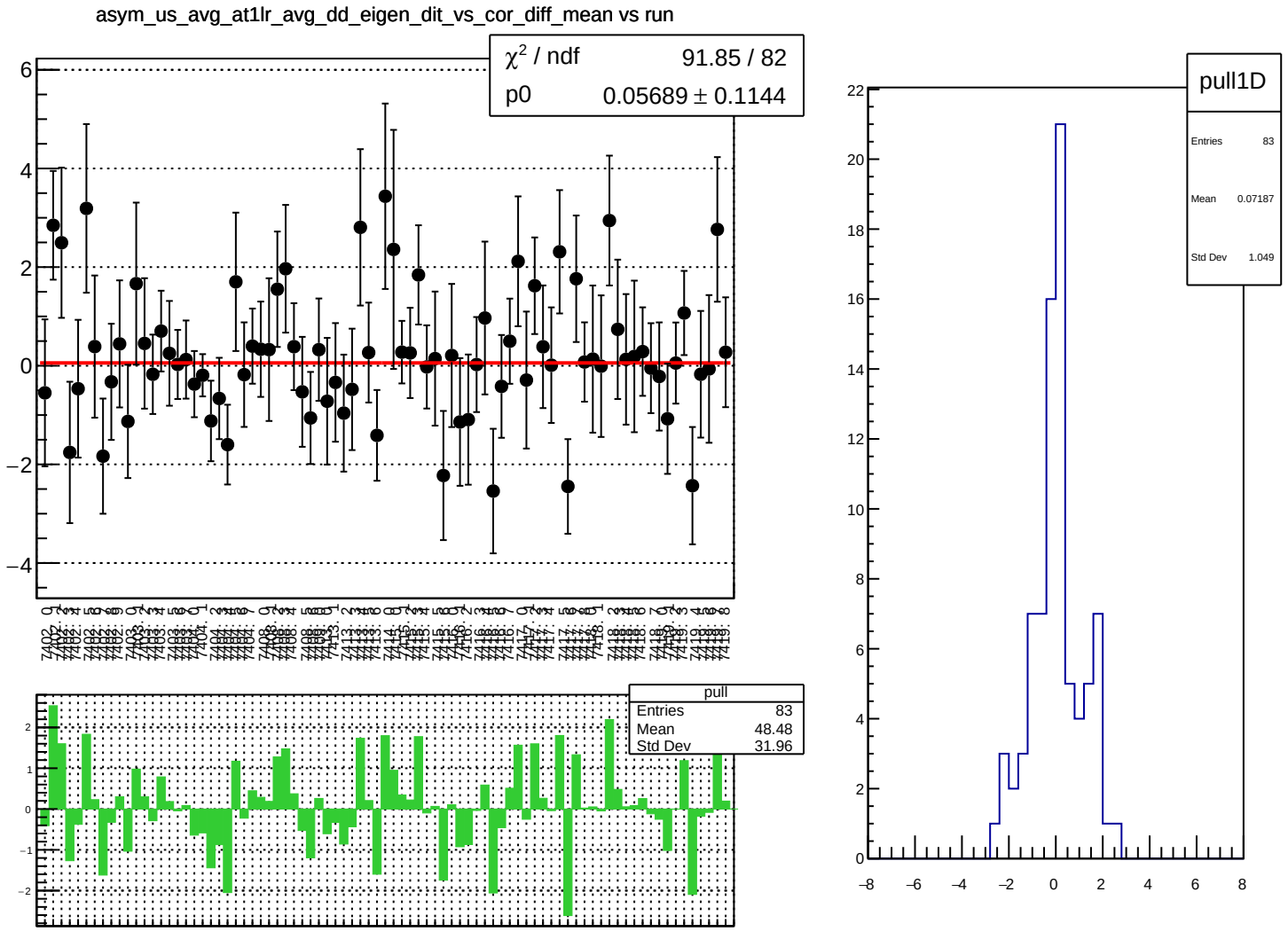


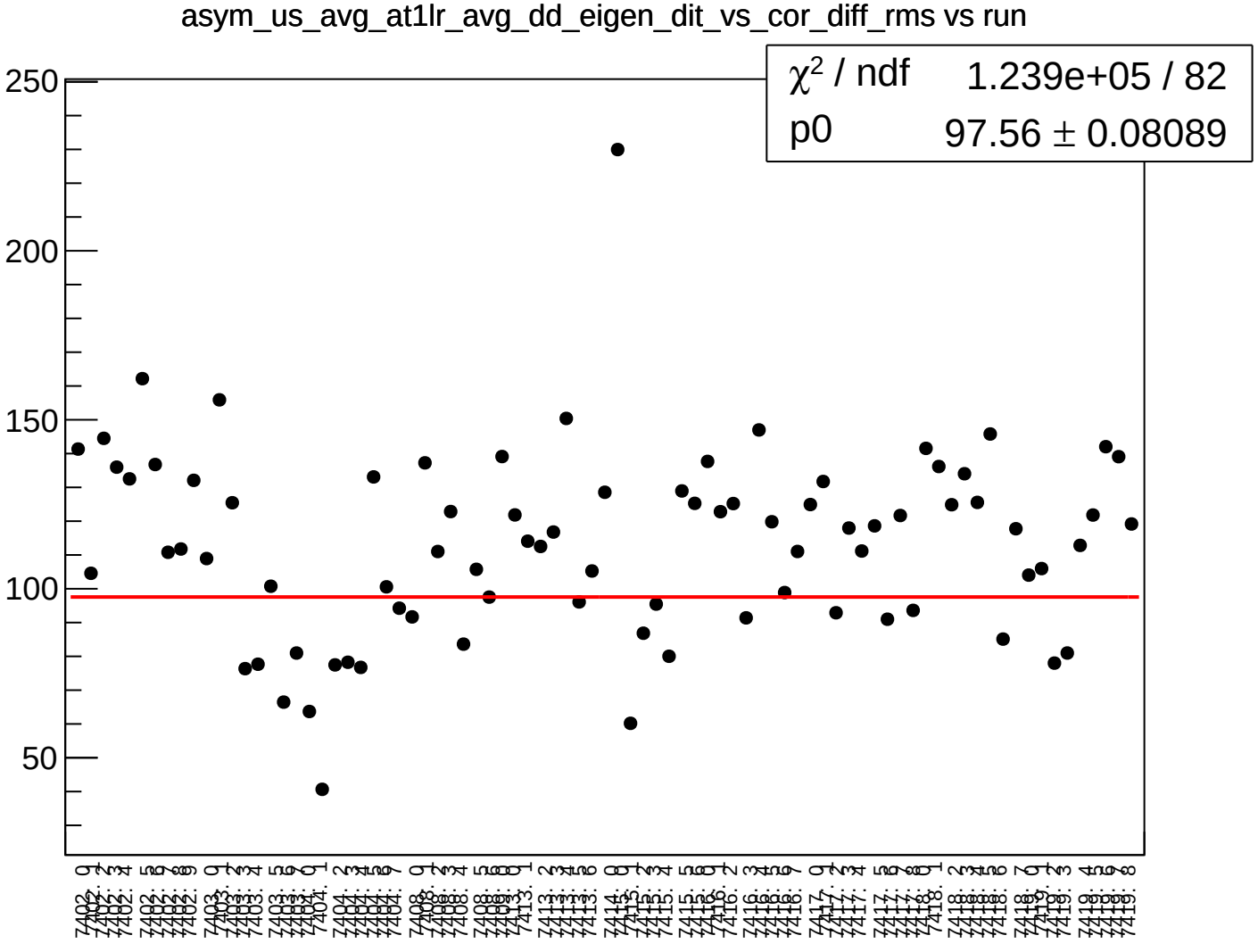


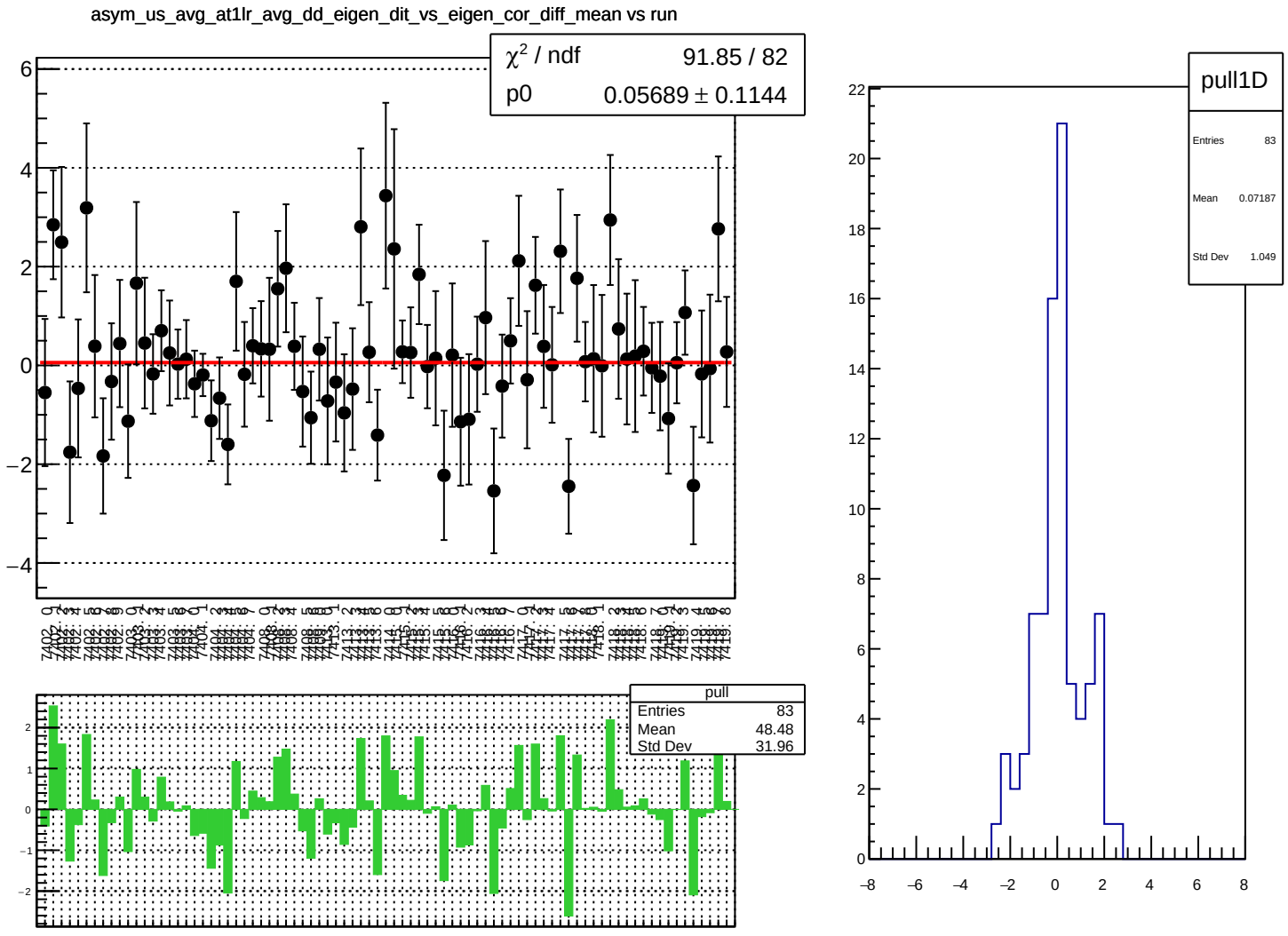

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 82
p0 97.56 ± 0.08089
250
200
150
100
50

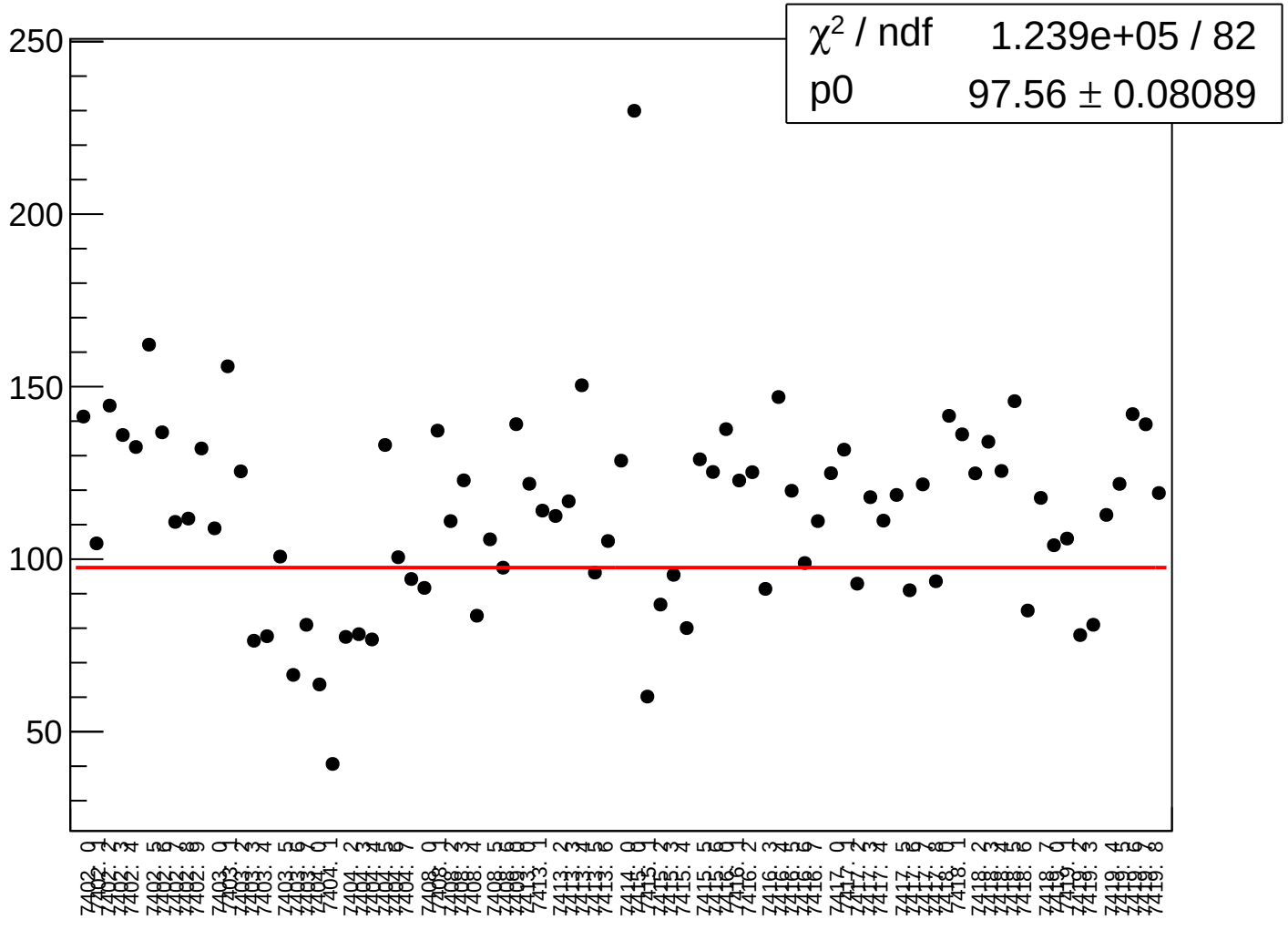

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.28 / 82
p0 −9.524e−07 ± 3.91e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 251.4
Std Dev 0
pull1D
Entries 83
Mean −0.01222
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

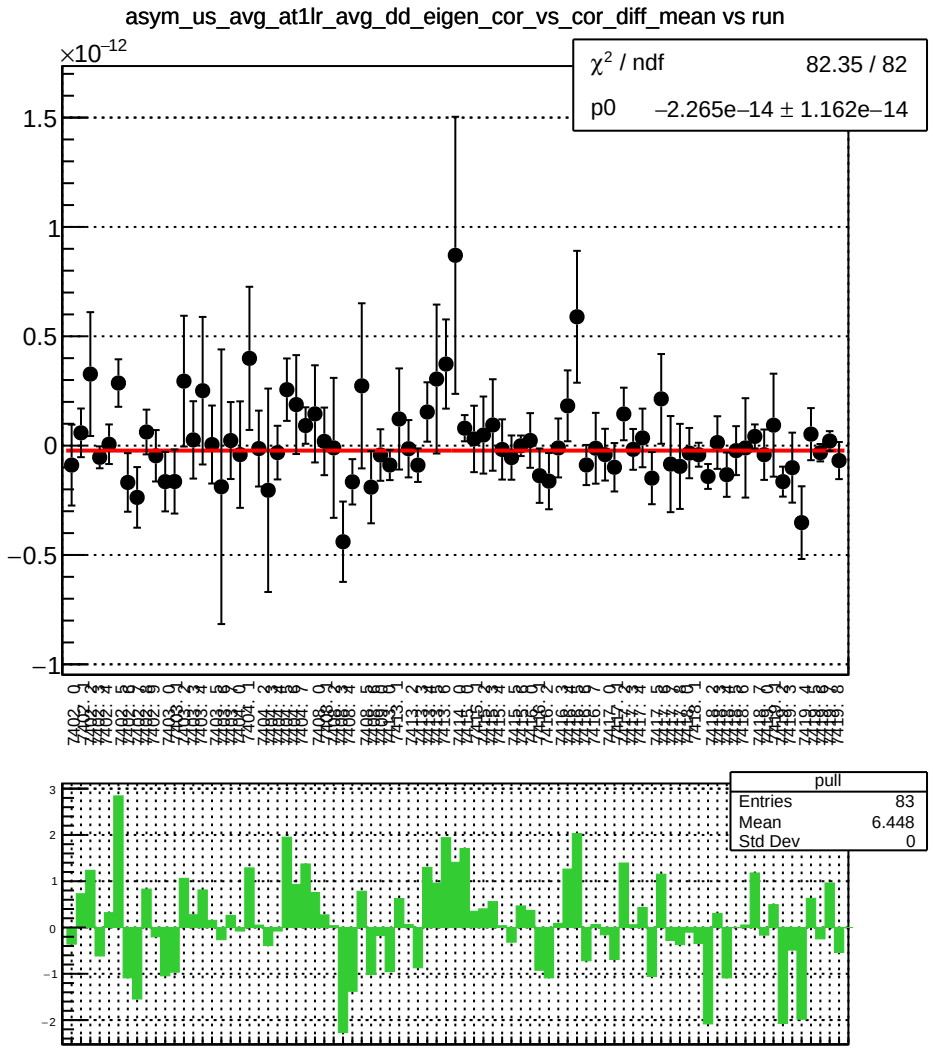

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2117 / 82
p0 0.003472 ± 2.765e−06
0.004
0.0038
0.0036
0.0034
0.0032

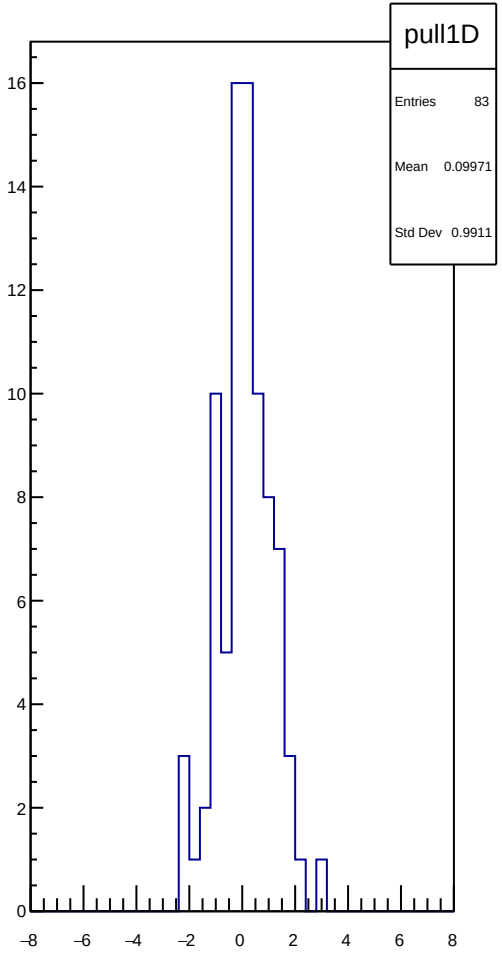

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.85 / 82
p0 0.05689 ± 0.1144
pull
Entries 83
Mean 48.48
Std Dev 31.96
pull1D
Entries 83
Mean 0.07187
Std Dev 1.049

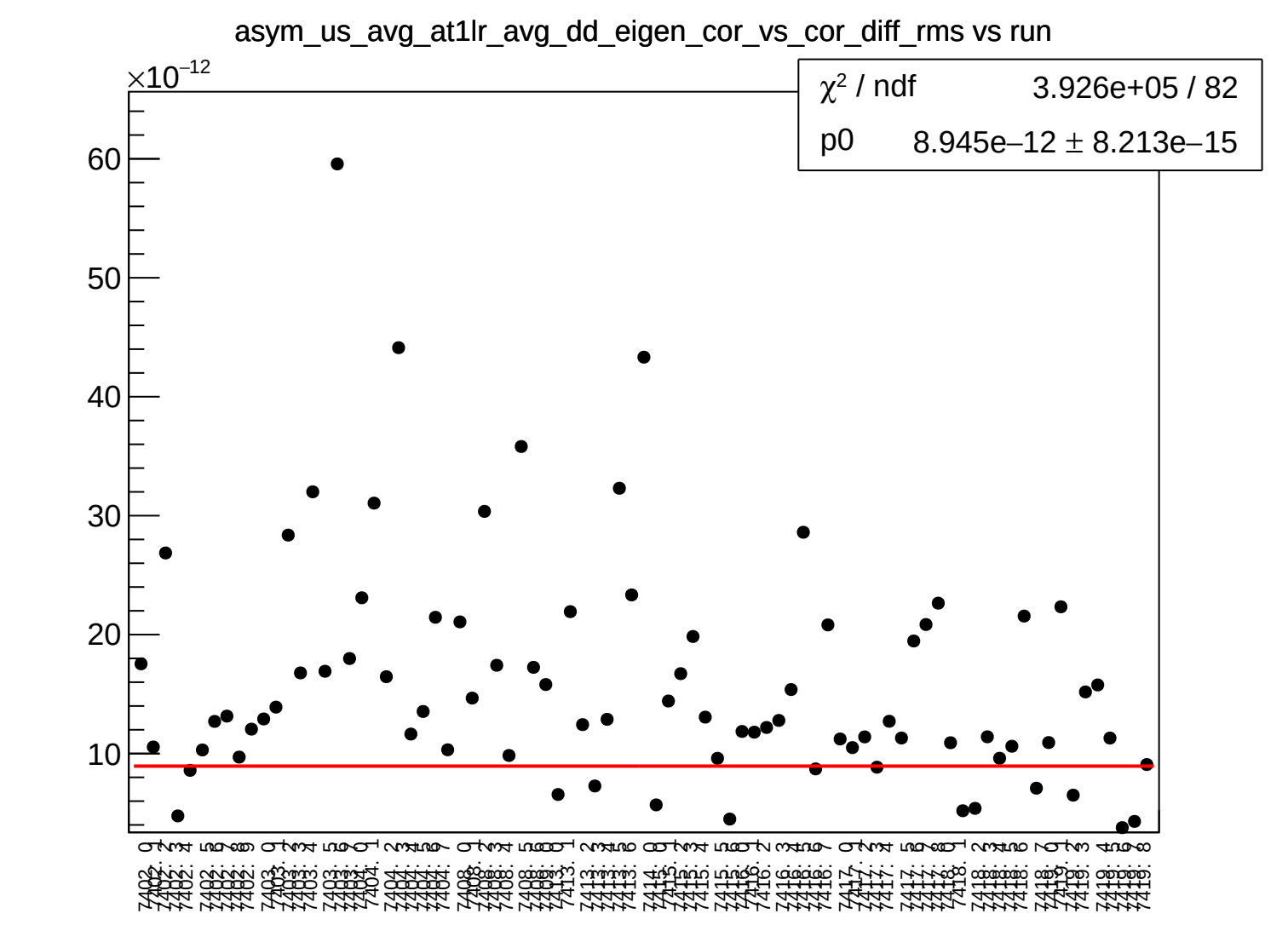

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 82
p0 97.56 ± 0.08089
250
200
150
100
50

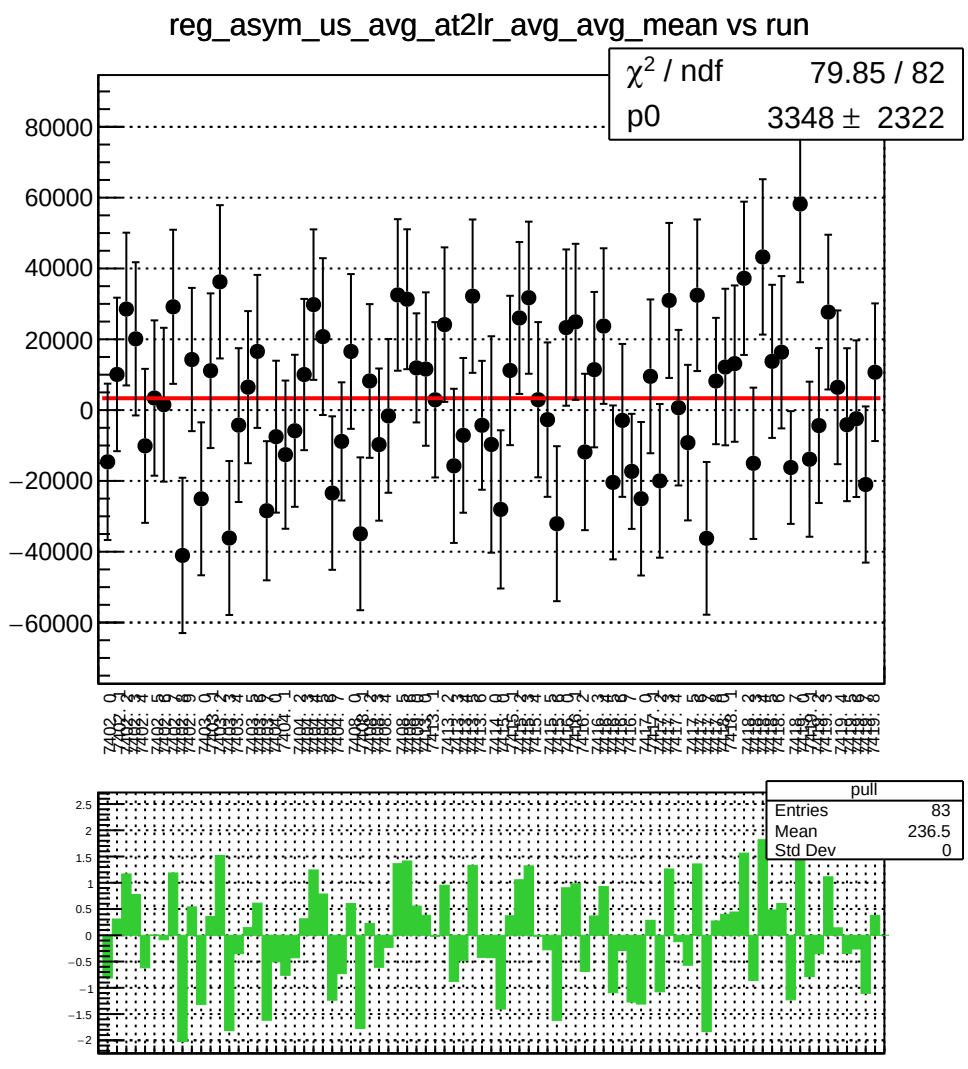

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.85 / 82
p0 0.05689 ± 0.1144
pull
Entries 83
Mean 48.48
Std Dev 31.96
pull1D
Entries 83
Mean 0.07187
Std Dev 1.049

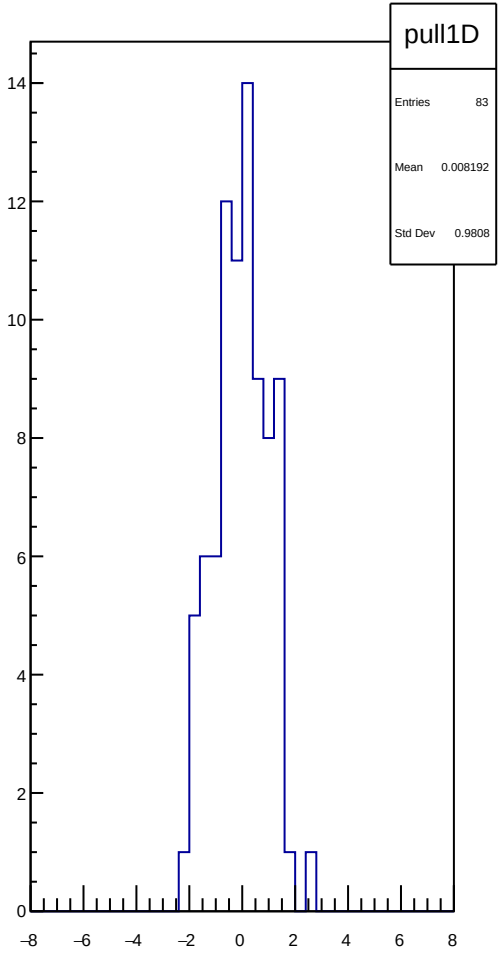

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.239e+05 / 82
p0 97.56 ± 0.08089
250
200
150
100
50

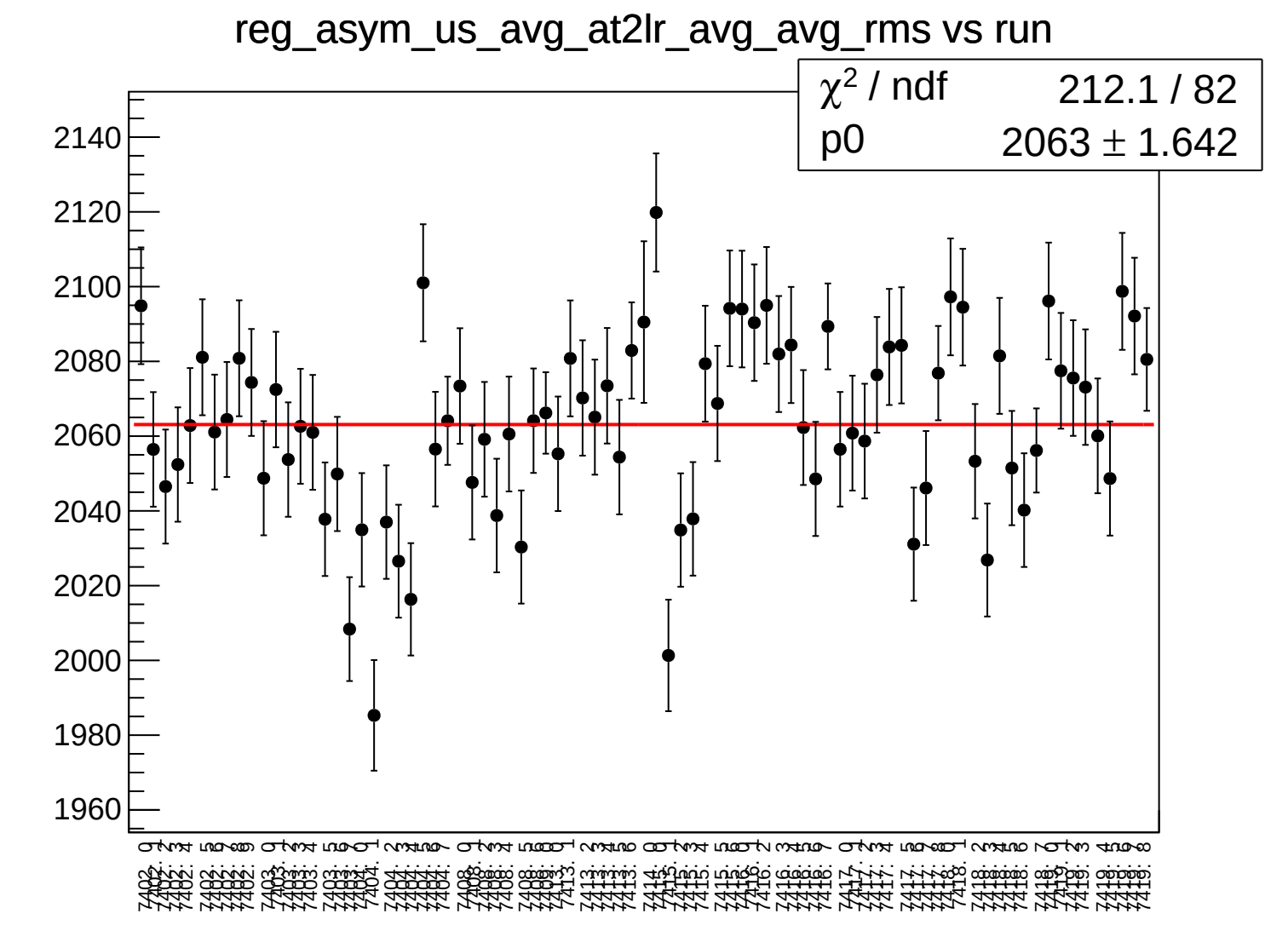

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.35 / 82
p0 −2.265e−14 ± 1.162e−14
1.5
1
0.5
0
−0.5
−1
pull
Entries 83
Mean 6.448
Std Dev 0
3
2
1
0
−1
−2

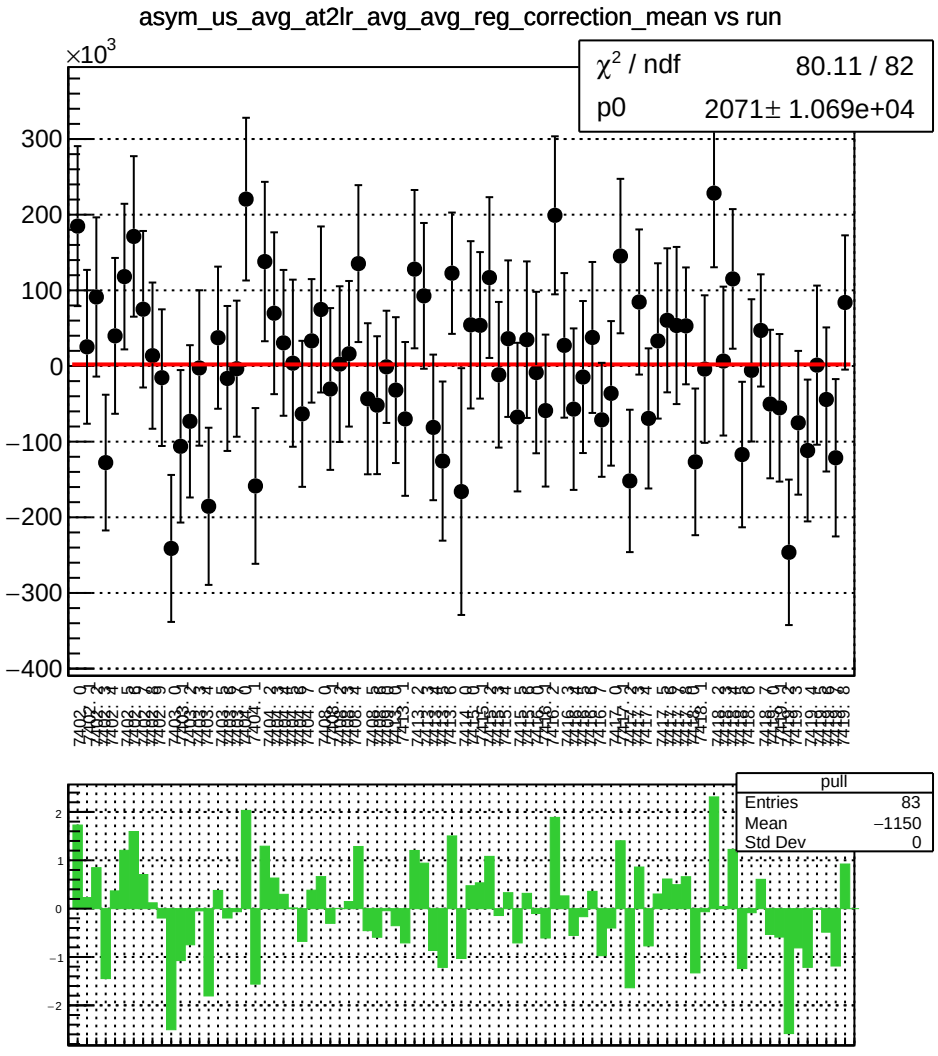

pull1D
Entries 83
Mean 0.09971
Std Dev 0.9911
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

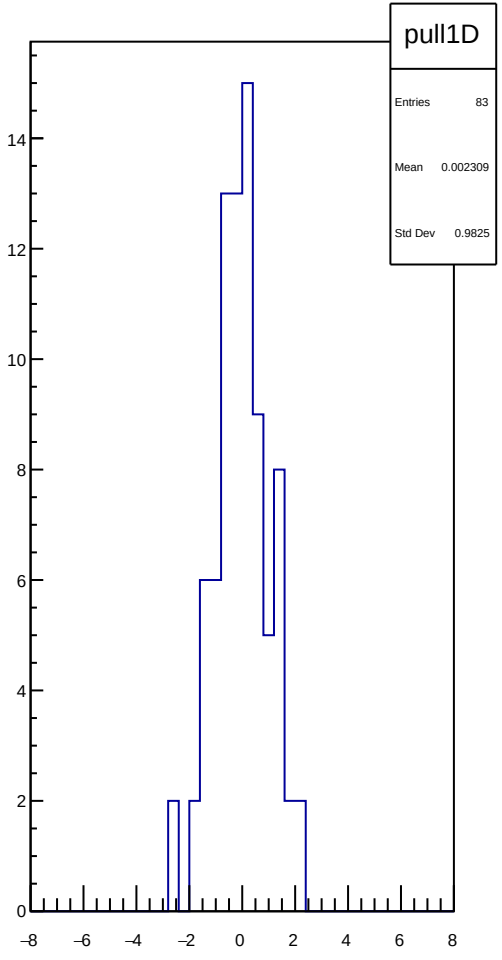

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.926e+05 / 82
p0 8.945e−12 ± 8.213e−15
60
50
40
30
20
10

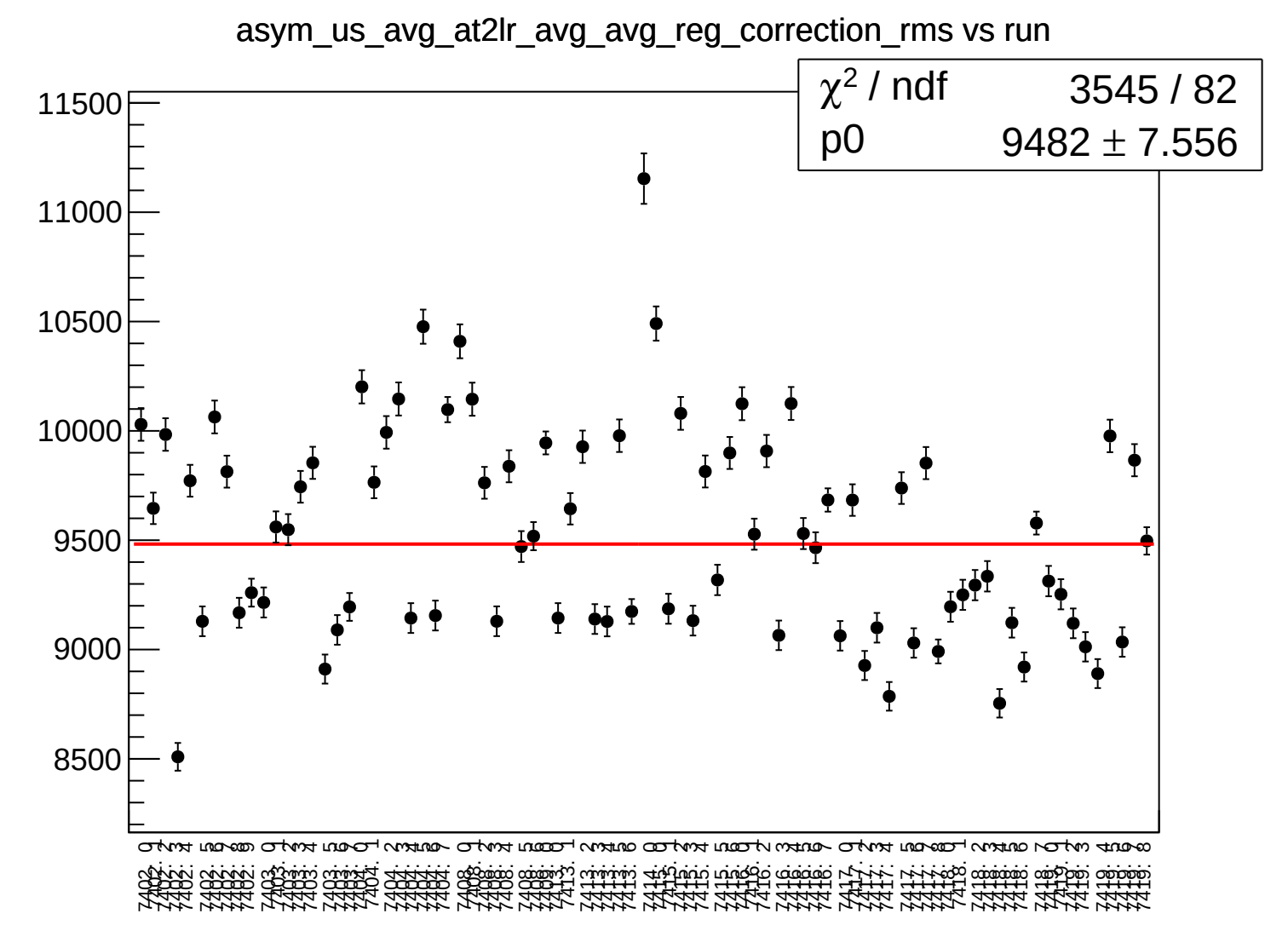

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 79.85 / 82
p0 3348 ± 2322
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 236.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

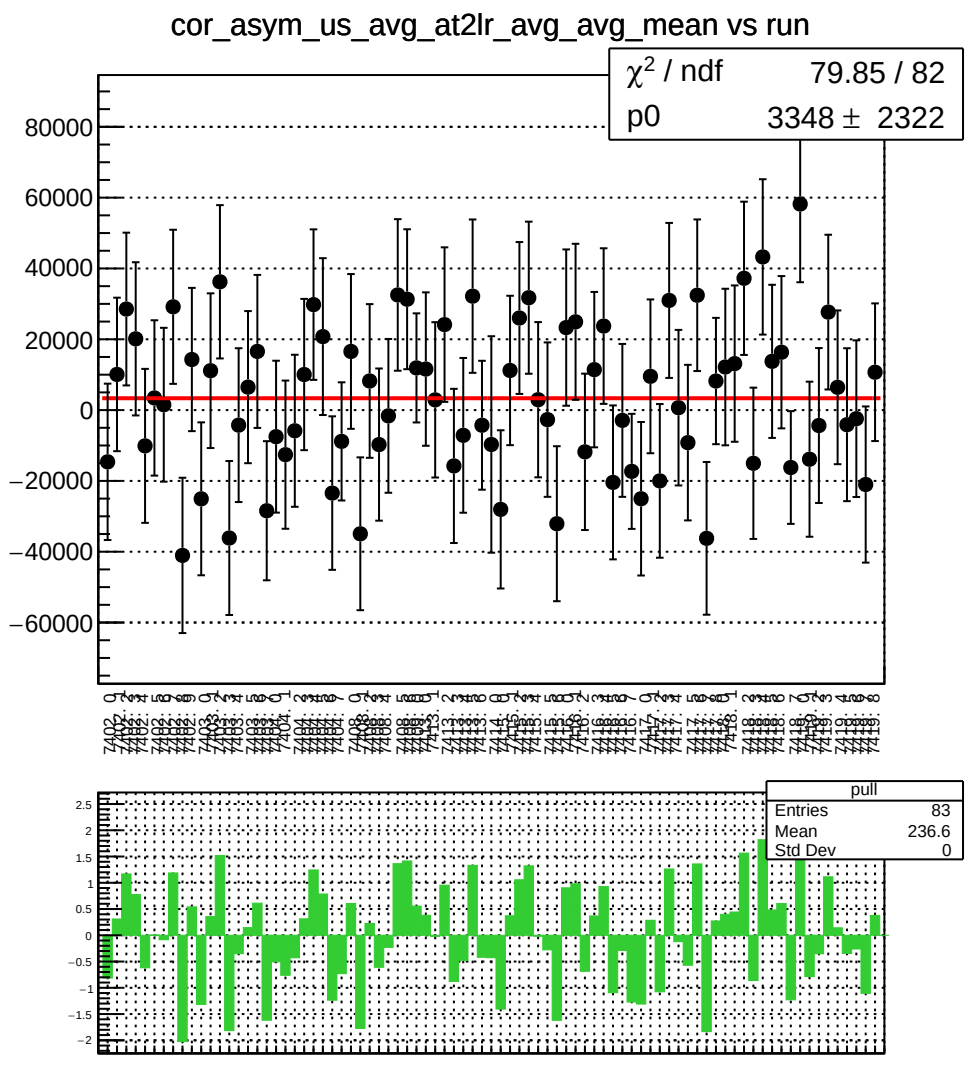

pull1D
Entries 83
Mean 0.008192
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

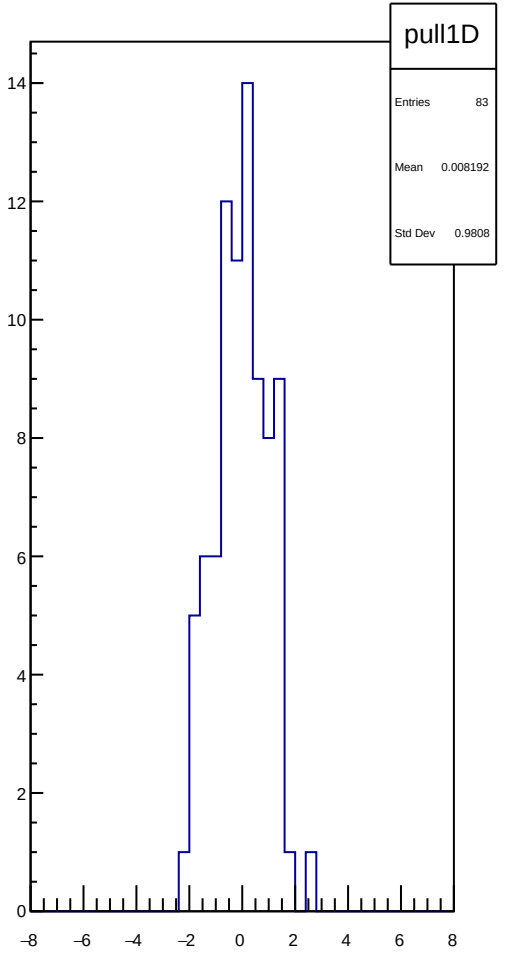

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 212.1 / 82
p0 2063 ± 1.642
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

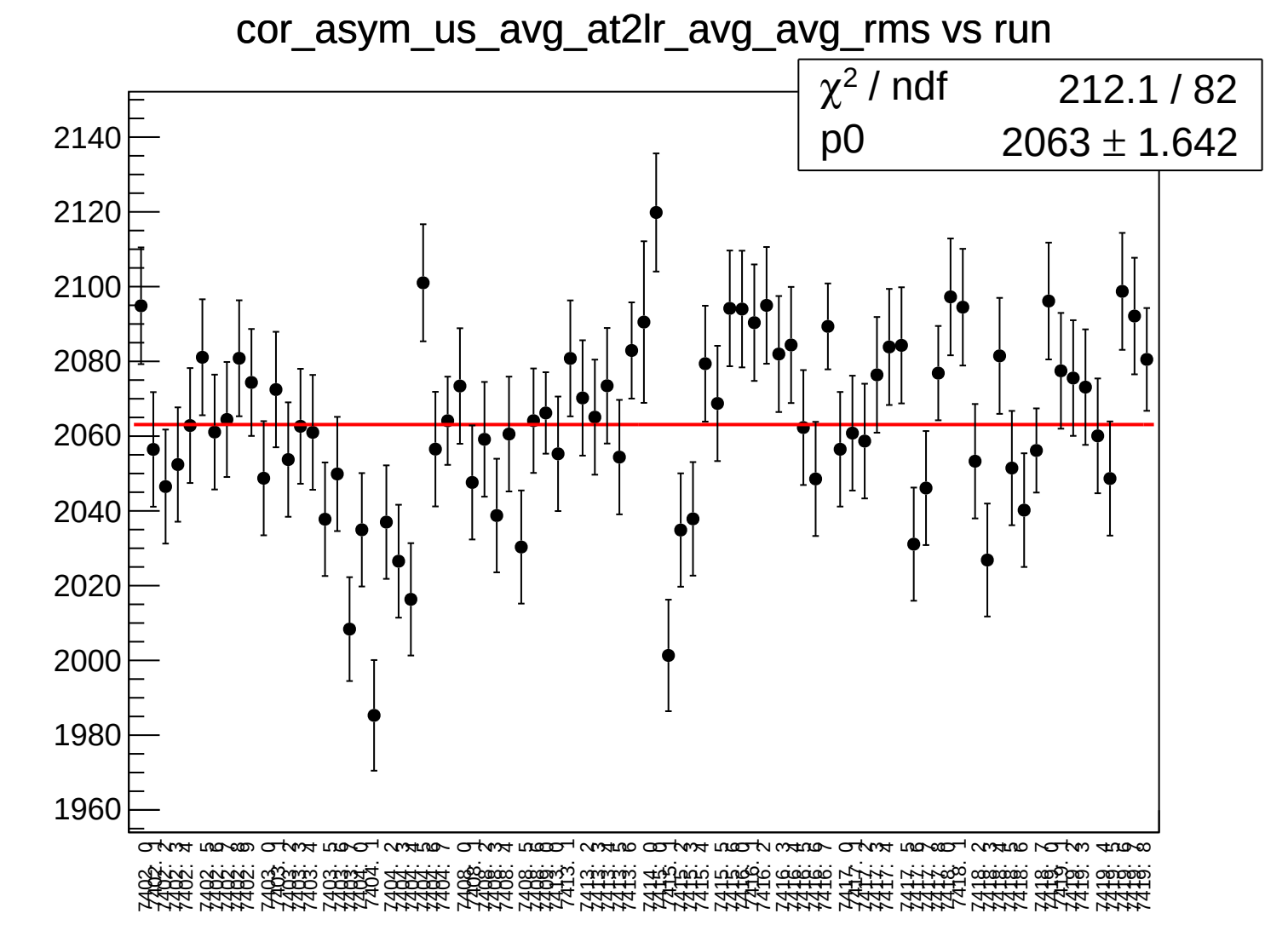

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 80.11 / 82
p0 2071± 1.069e+04
pull
Entries 83
Mean −1150
Std Dev 0

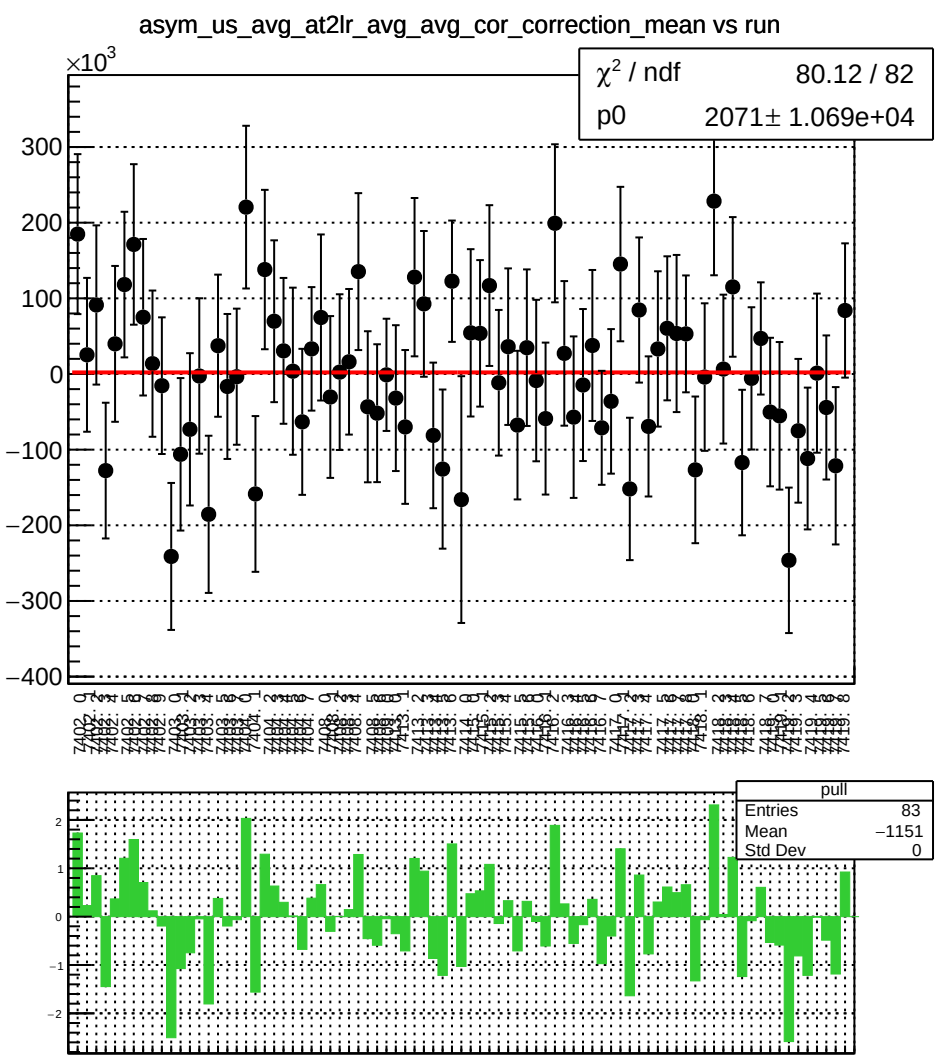

pull1D
Entries 83
Mean 0.002309
Std Dev 0.9825

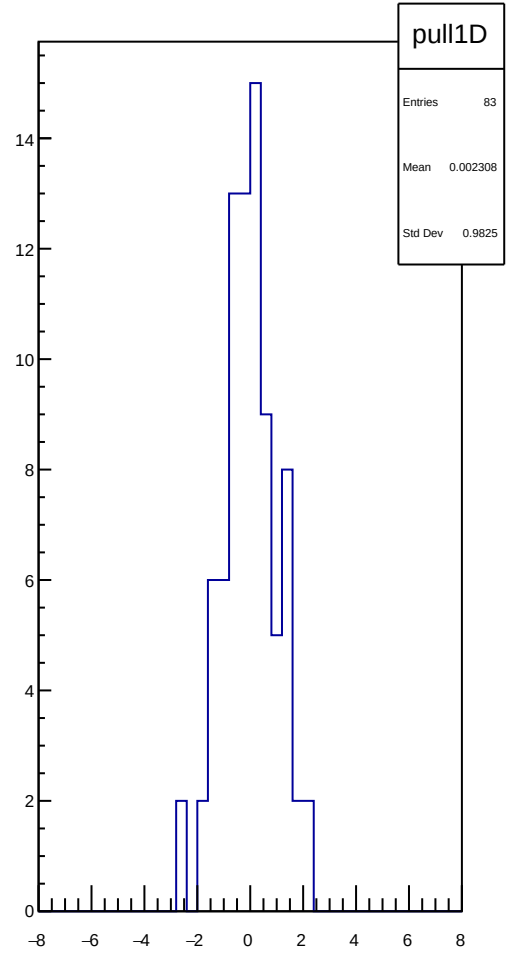

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3545 / 82
p0 9482 ± 7.556
11500
11000
10500
10000
9500
9000
8500

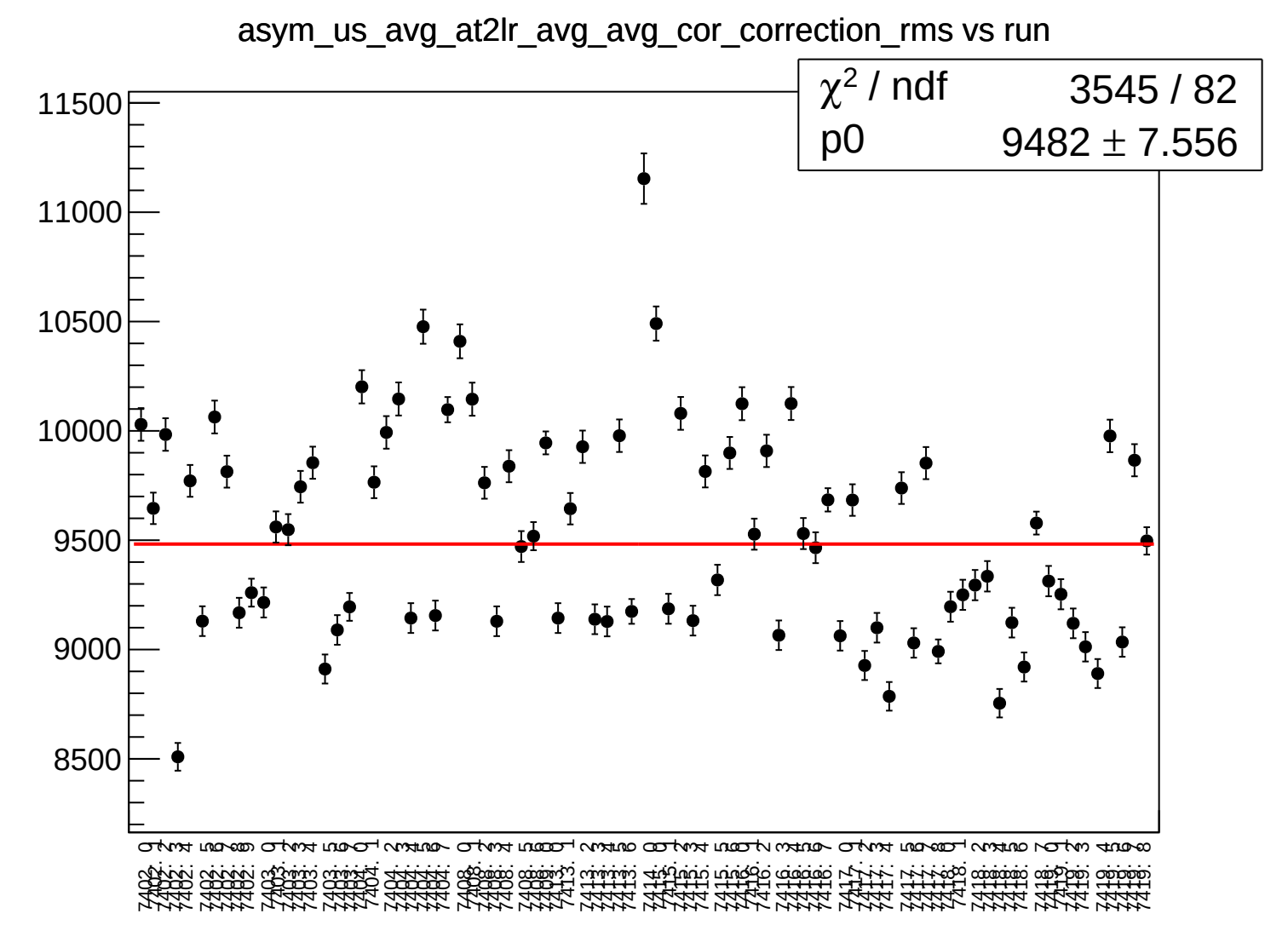

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 79.85 / 82
p0 3348 ± 2322
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 236.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

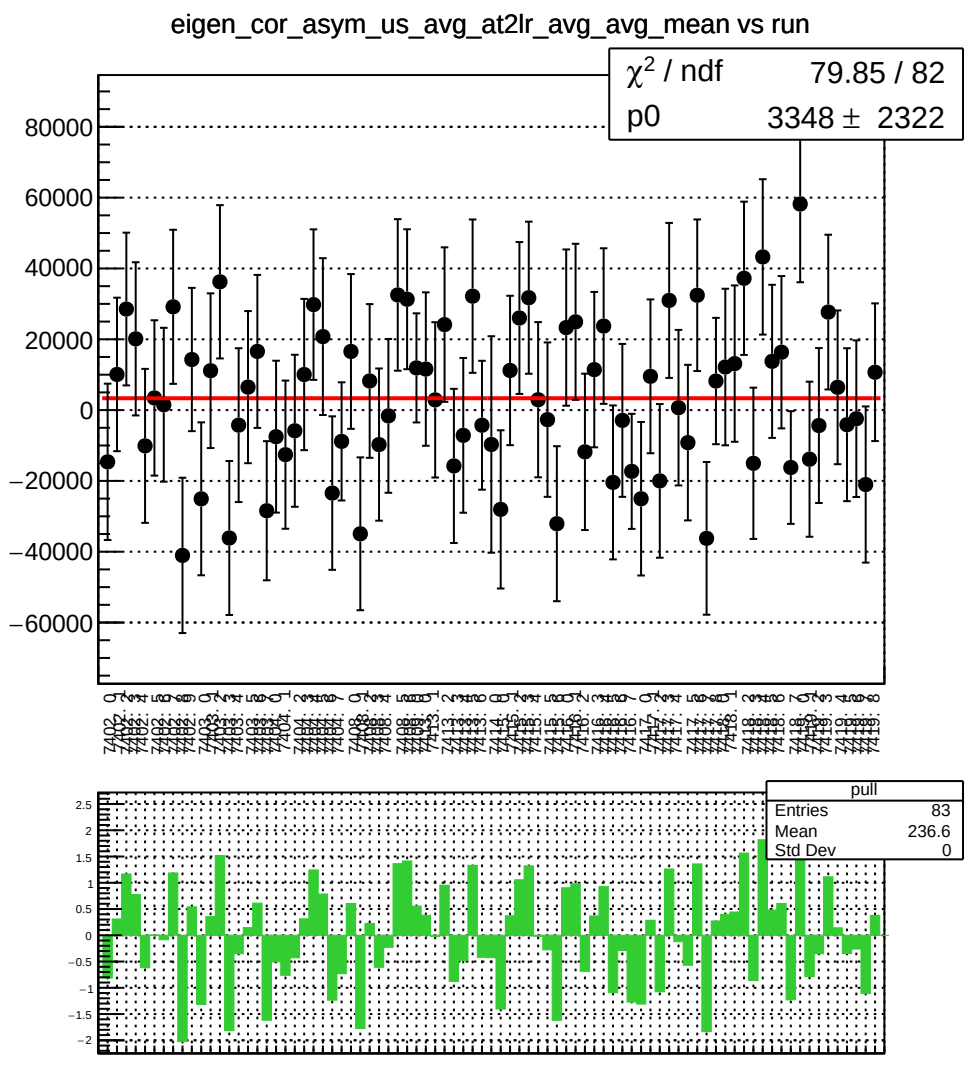

pull1D
Entries 83
Mean 0.008192
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

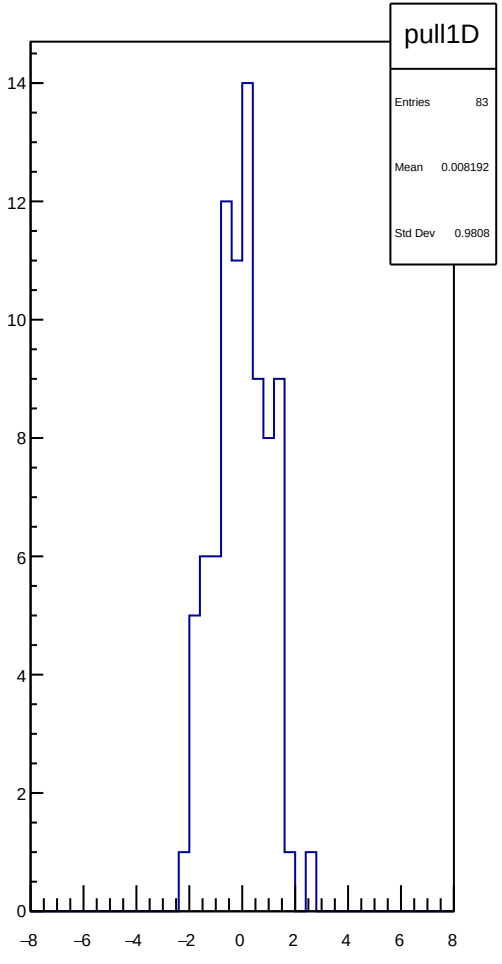

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 212.1 / 82
p0 2063 ± 1.642
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

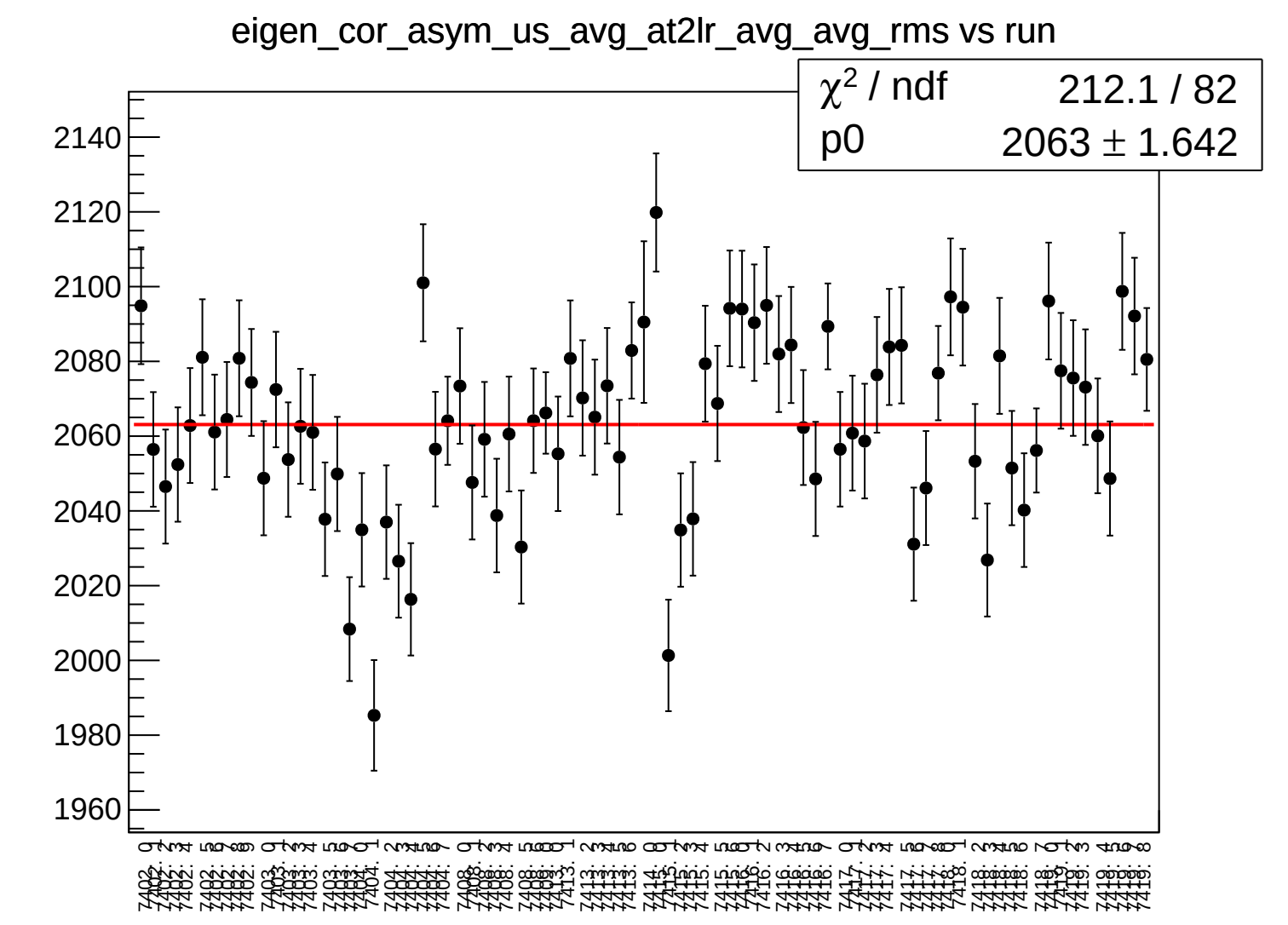

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 80.12 / 82
p0 2071± 1.069e+04
pull
Entries 83
Mean −1151
Std Dev 0

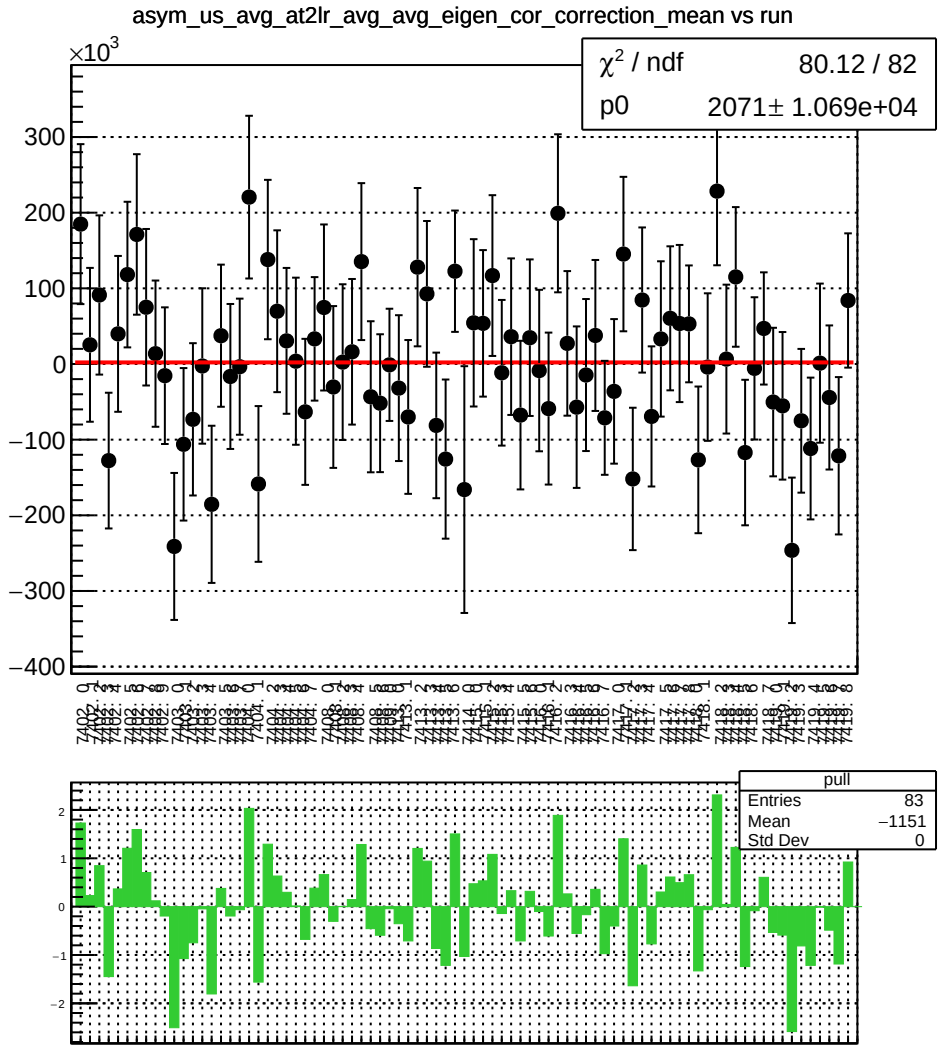

pull1D
Entries 83
Mean 0.002308
Std Dev 0.9825

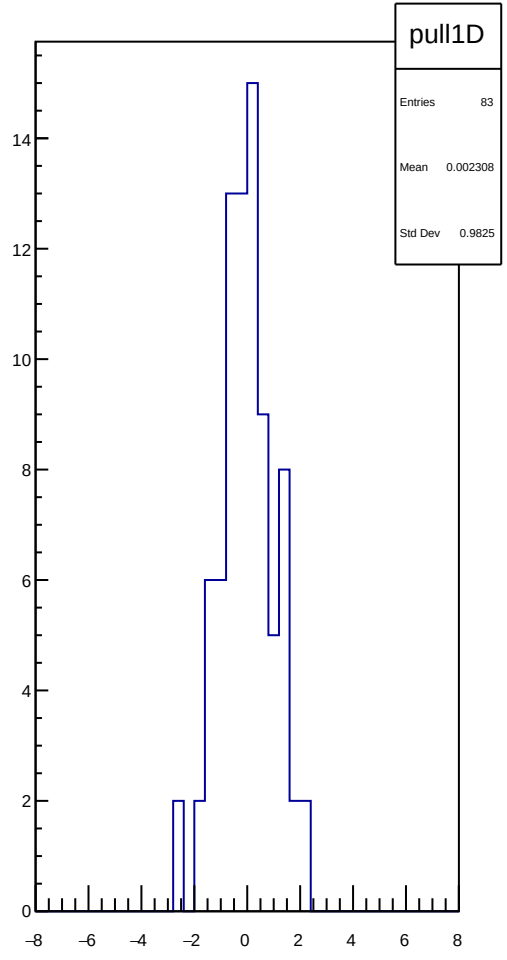

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3545 / 82
p0 9482 ± 7.556
11500
11000
10500
10000
9500
9000
8500

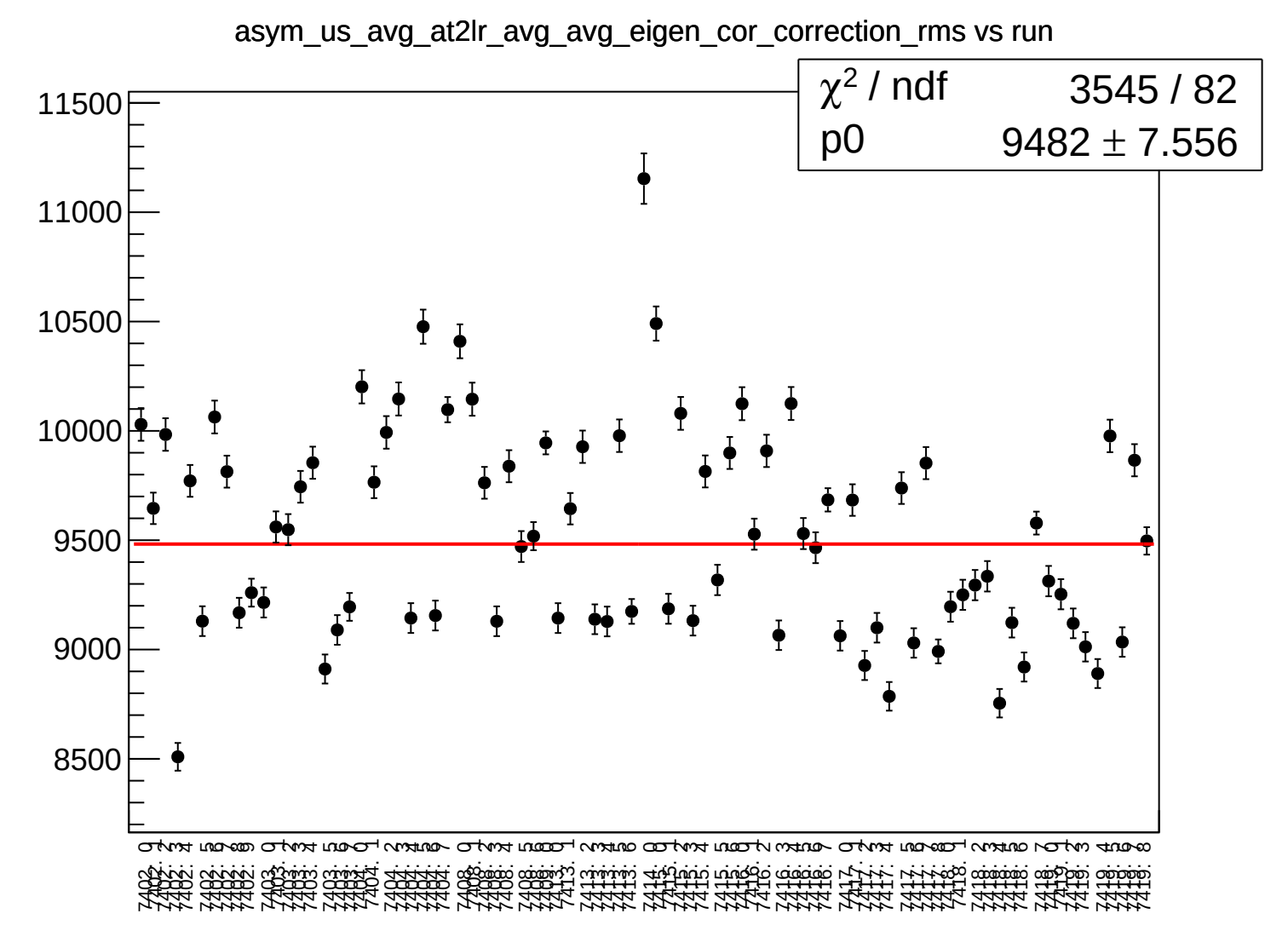

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 79.85 / 82
p0 3348 ± 2322
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 236.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

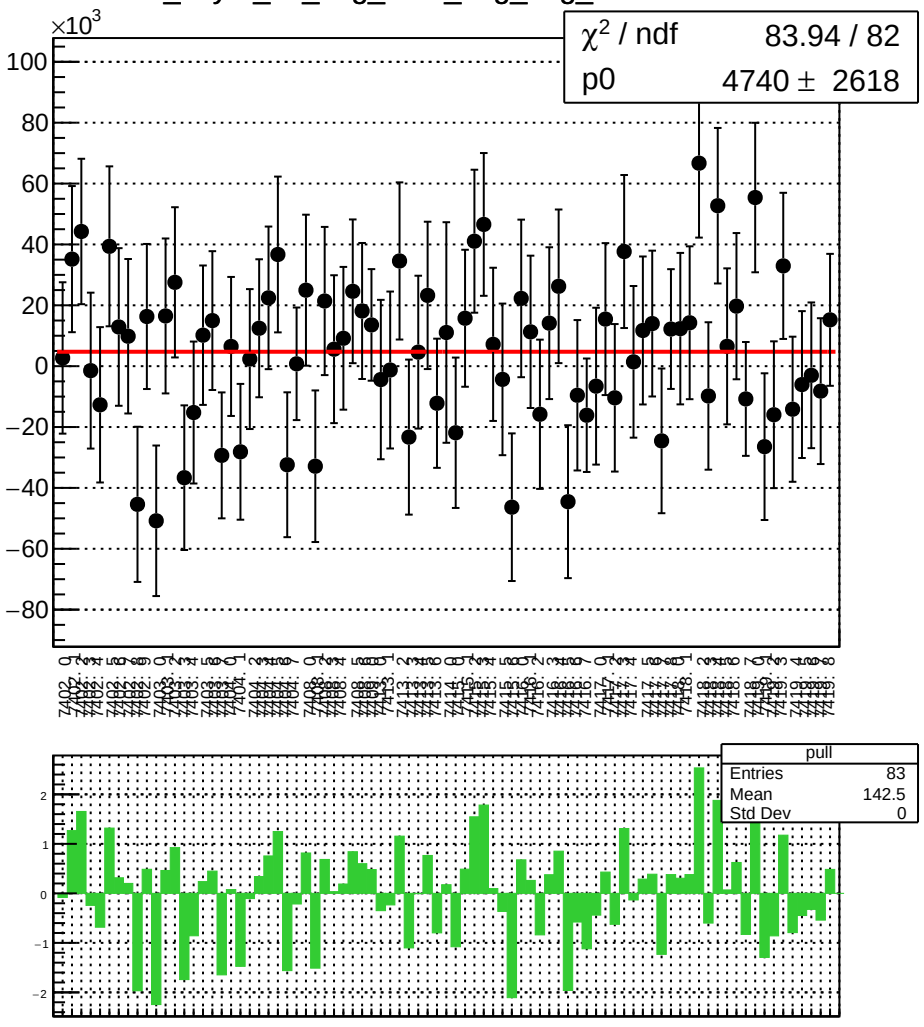

pull1D
Entries 83
Mean 0.008192
Std Dev 0.9808
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

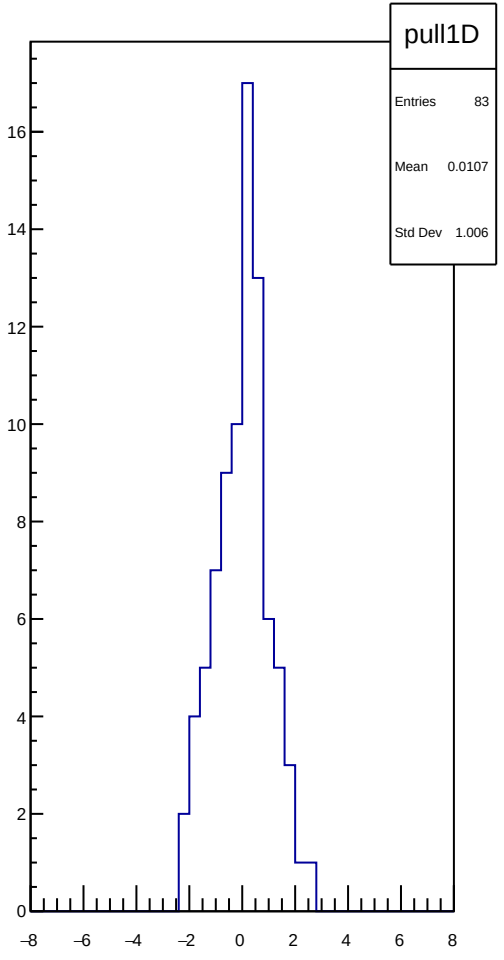

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ^2 / ndf 212.1 / 82
p0 2063 ± 1.642
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

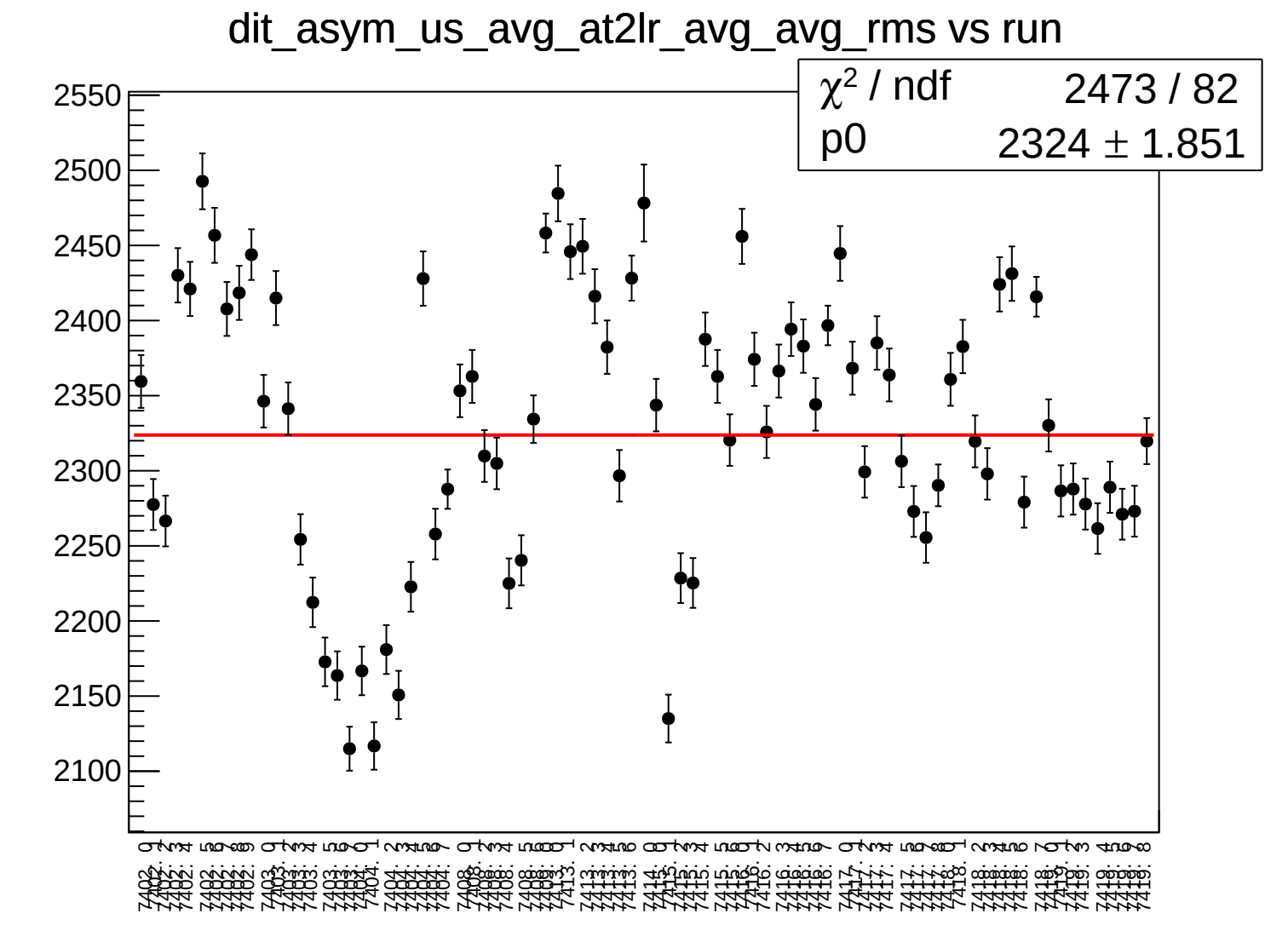

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.12 / 82
p0 2071± 1.069e+04
pull
Entries 83
Mean −1151
Std Dev 0

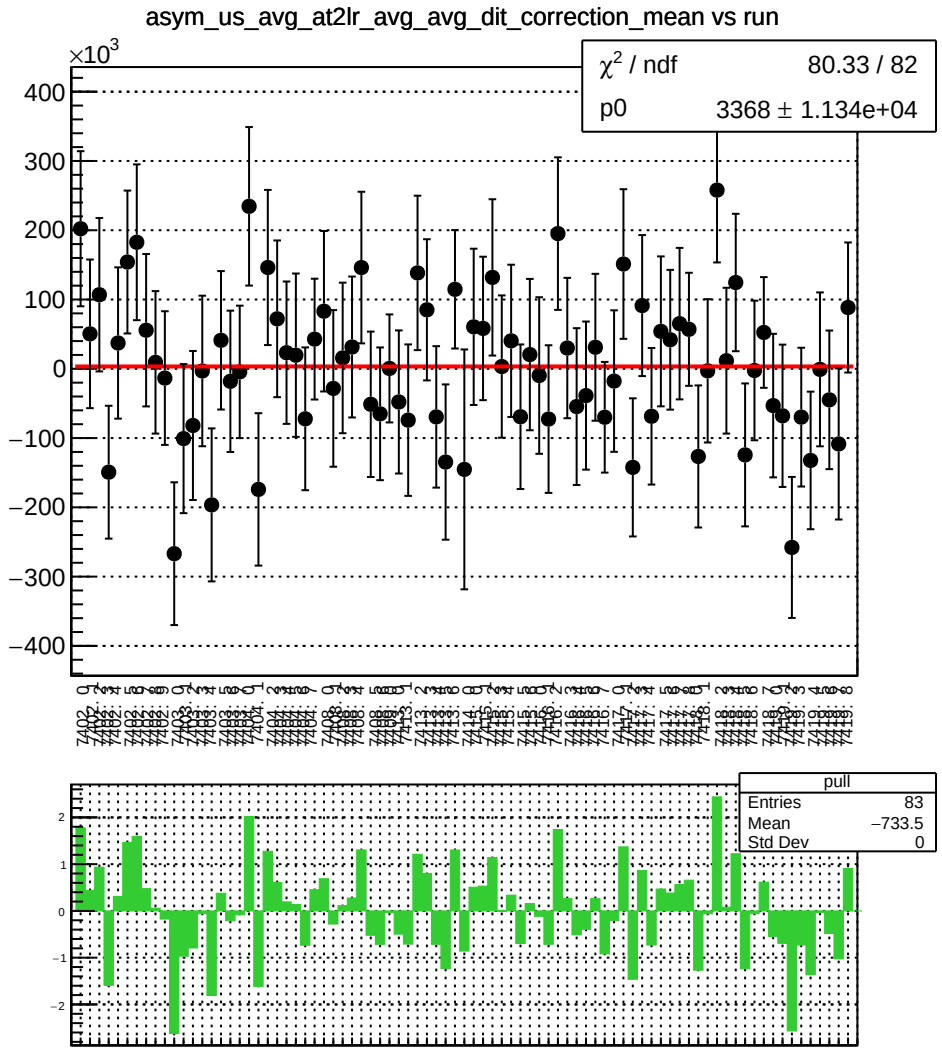

pull1D
Entries 83
Mean 0.002308
Std Dev 0.9825

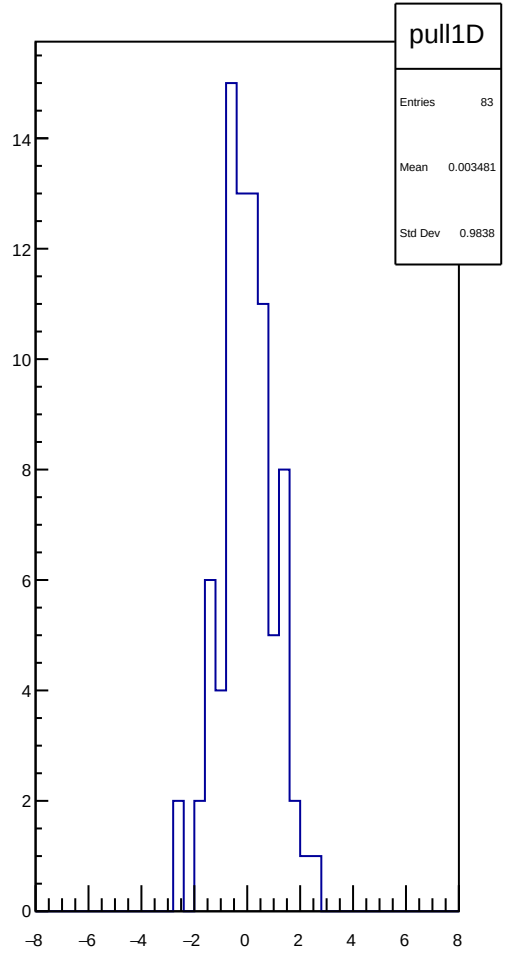

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3545 / 82
p0 9482 ± 7.556
11500
11000
10500
10000
9500
9000
8500

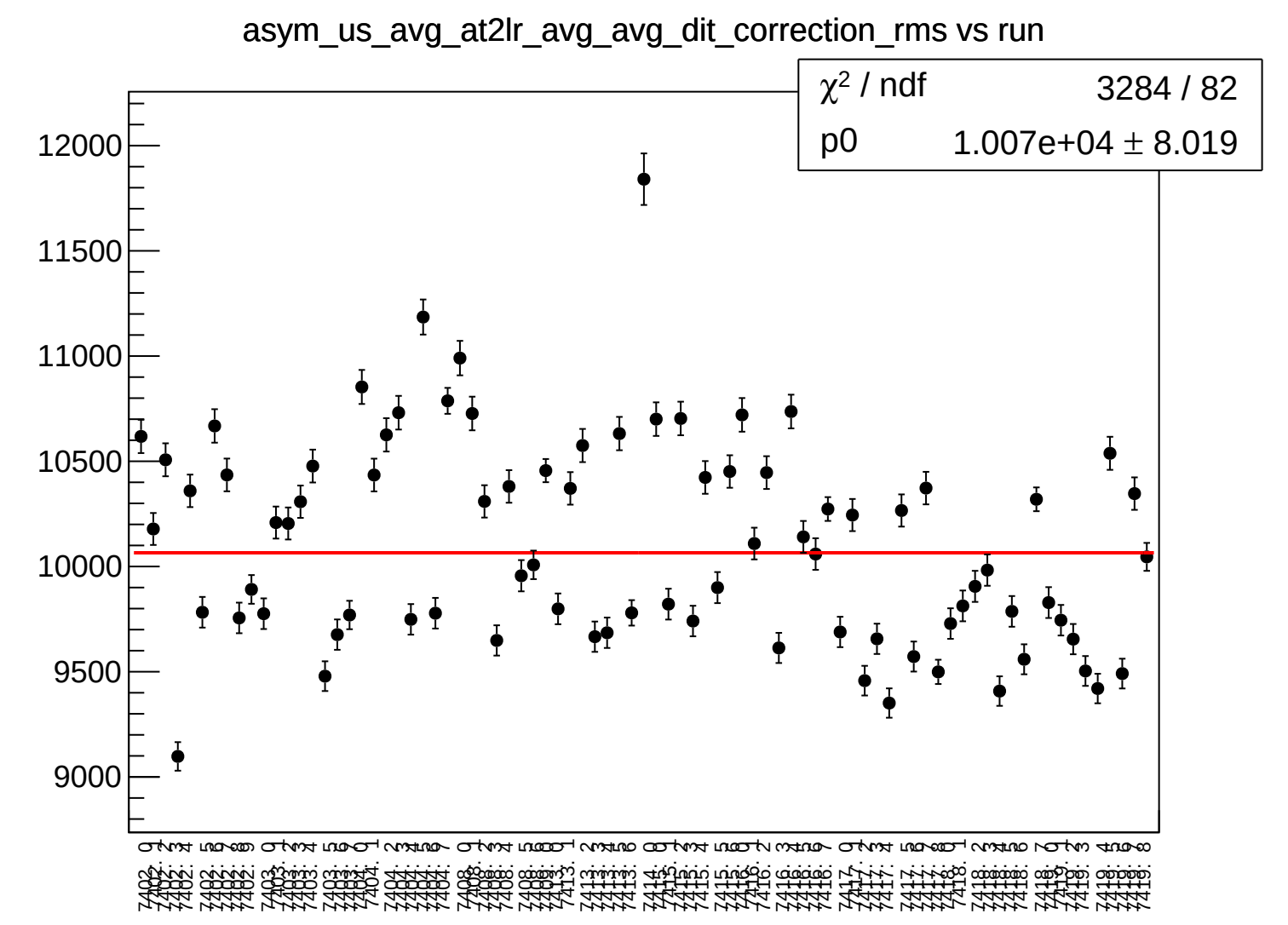

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 83.94 / 82
p0 4740 ± 2618
pull
Entries 83
Mean 142.5
Std Dev 0

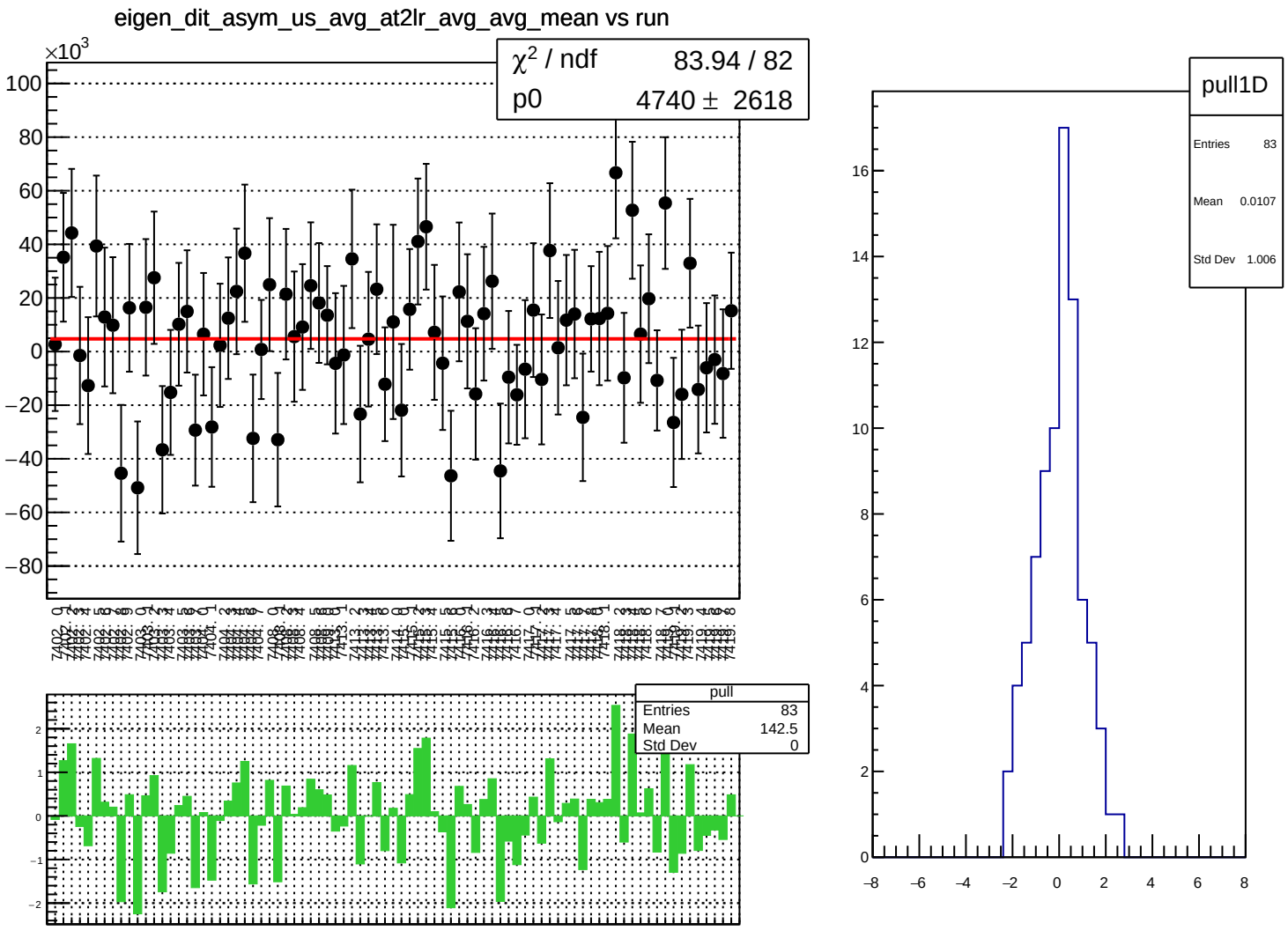

pull1D
Entries 83
Mean 0.0107
Std Dev 1.006

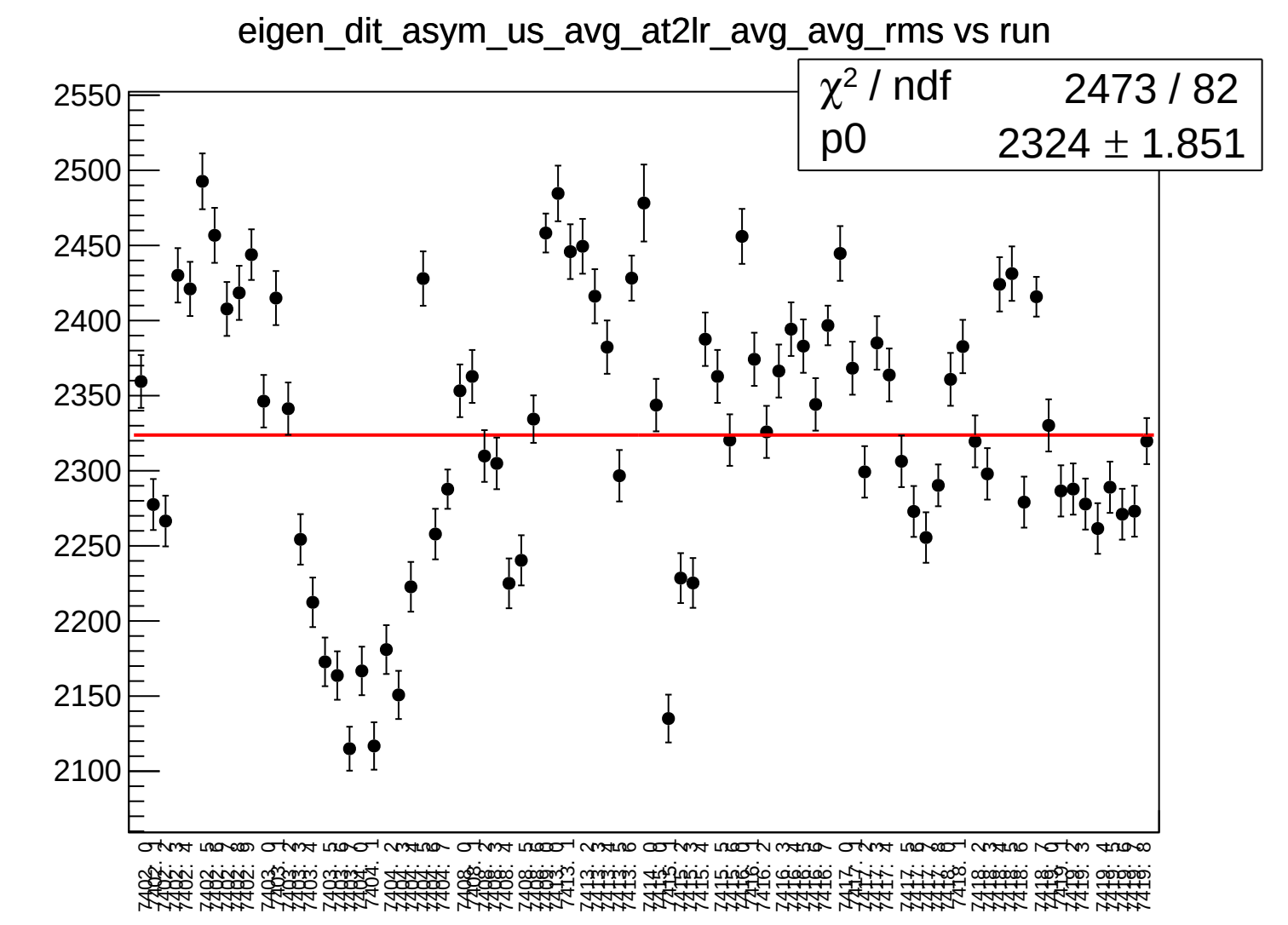

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2473 / 82
p0 2324 ± 1.851
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100

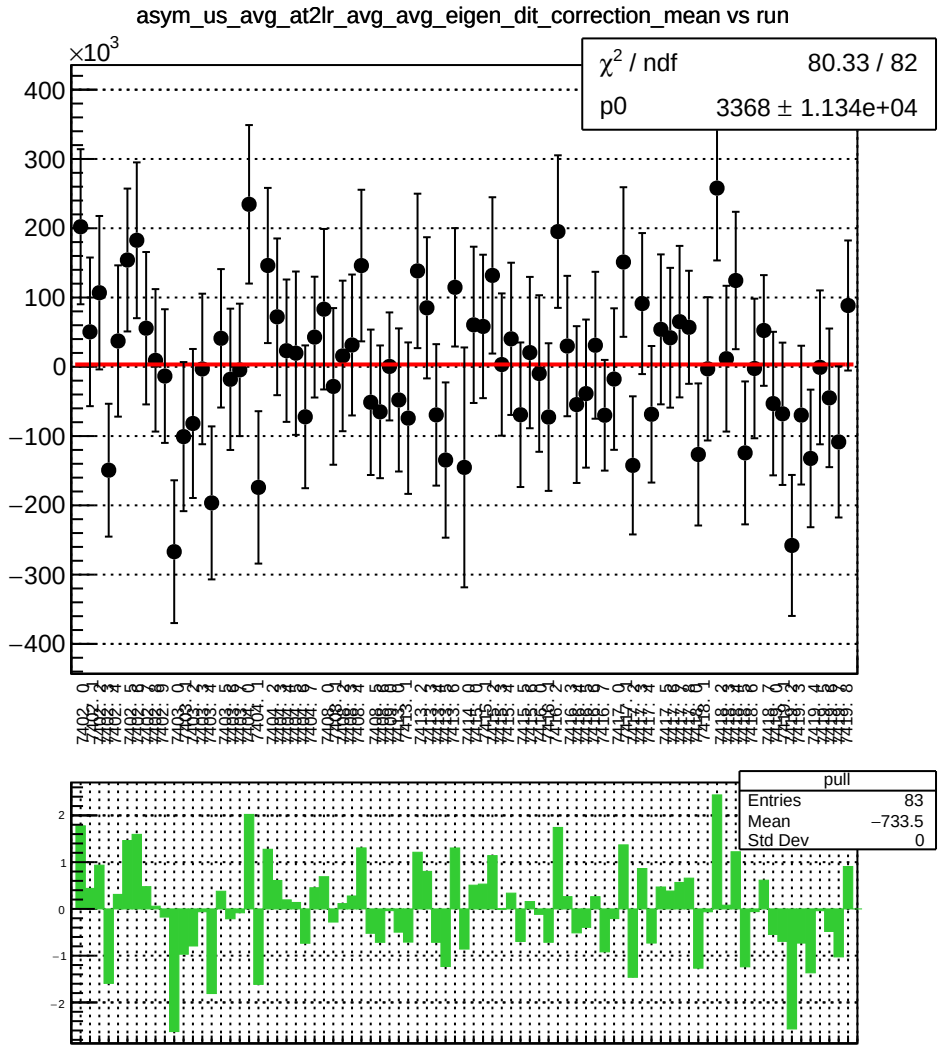

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 80.33 / 82
p0 3368 ± 1.134e+04
pull
Entries 83
Mean −733.5
Std Dev 0

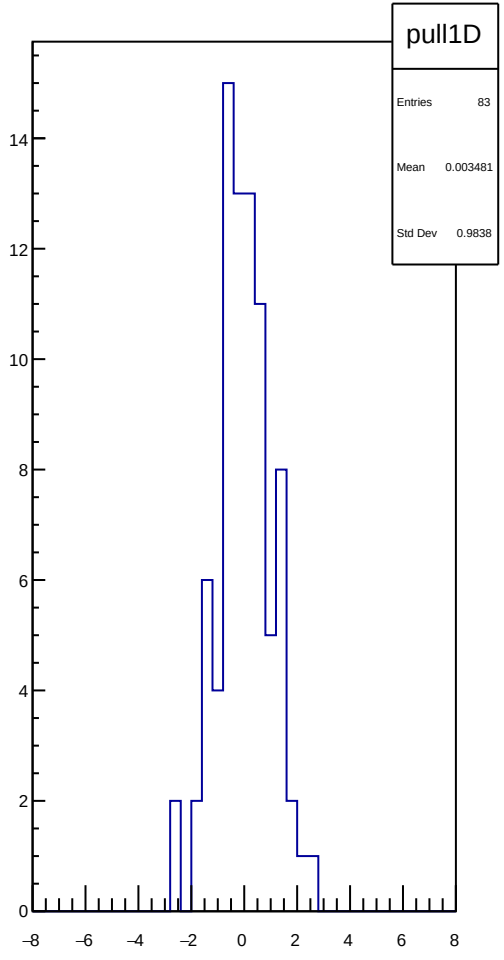

pull1D
Entries 83
Mean 0.003481
Std Dev 0.9838

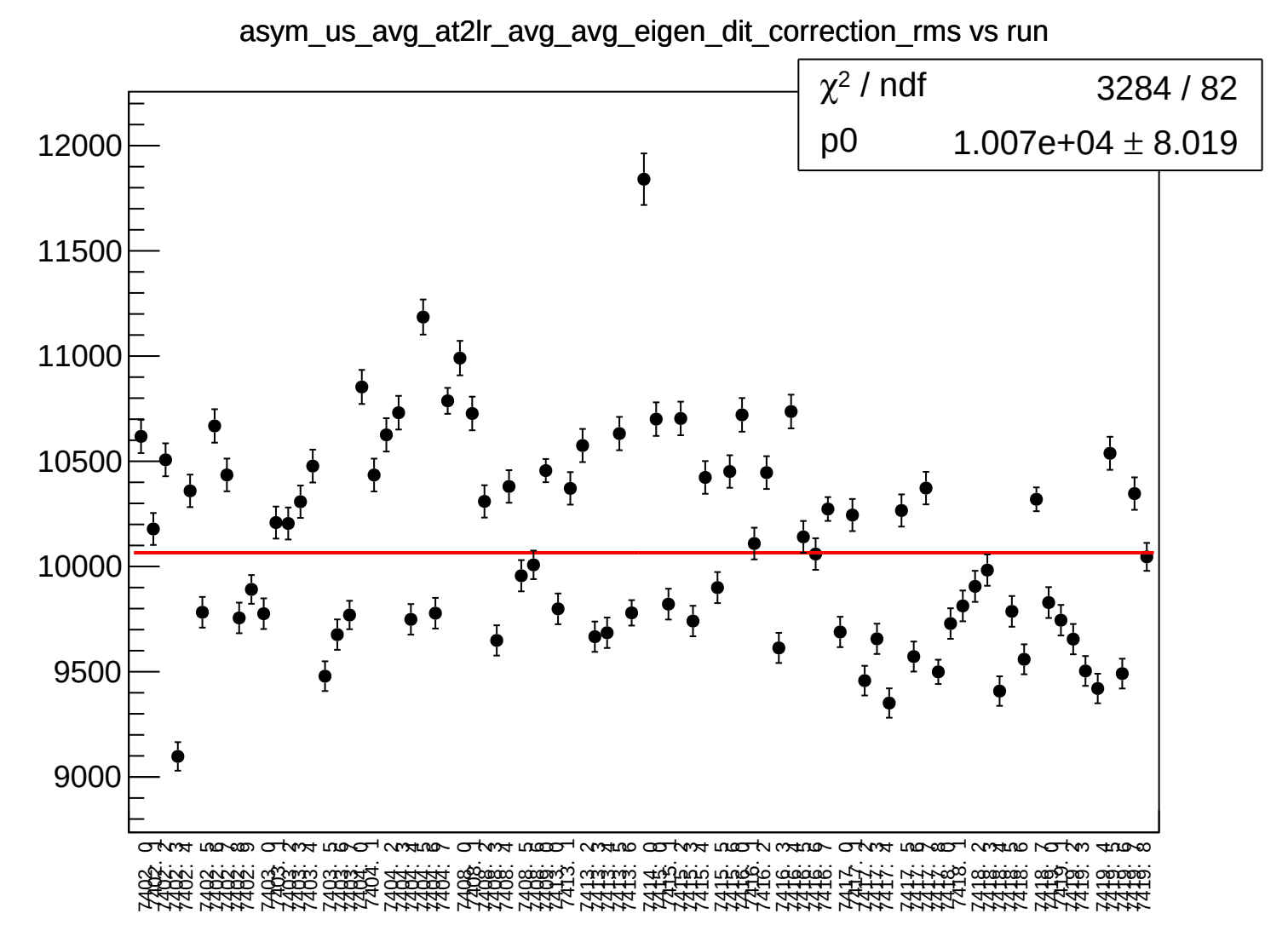

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3284 / 82
p0 1.007e+04 ± 8.019
12000
11500
11000
10500
10000
9500
9000

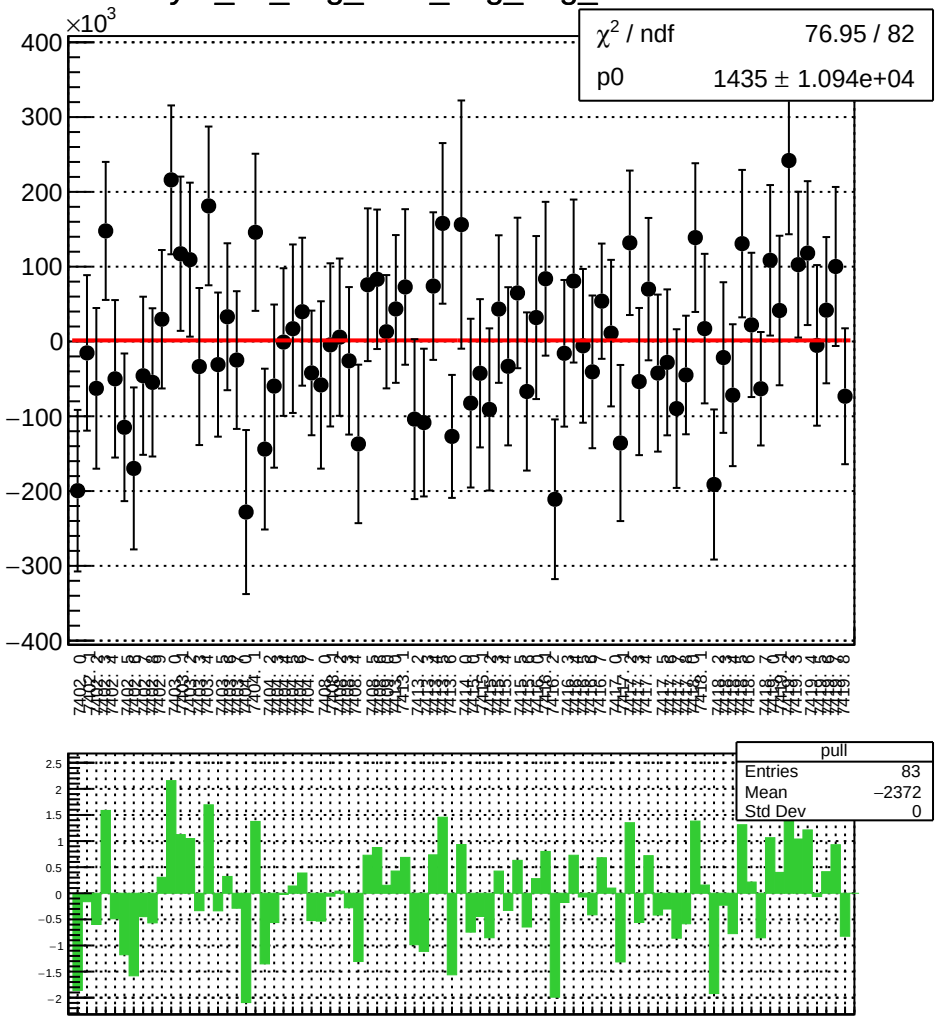

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 83.94 / 82
p0 4740 ± 2618
pull
Entries 83
Mean 142.5
Std Dev 0
pull1D
Entries 83
Mean 0.0107
Std Dev 1.006

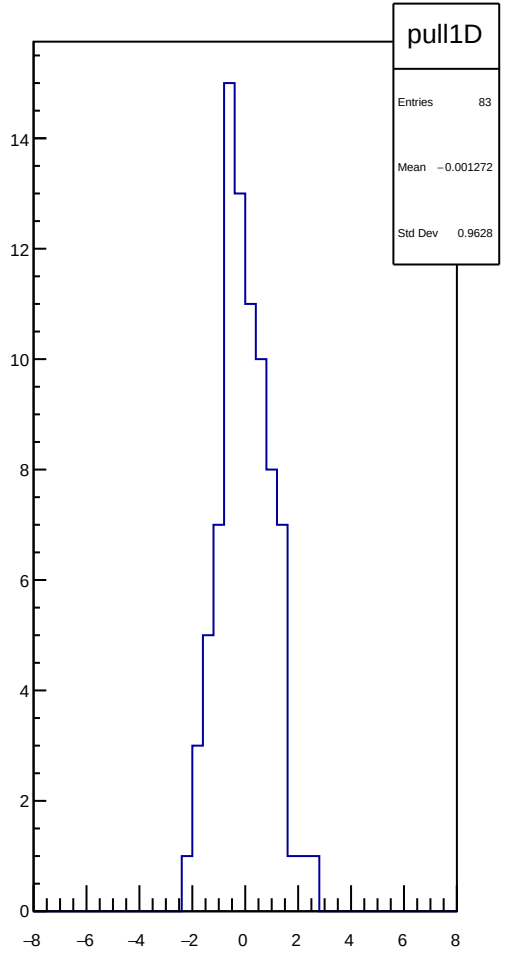

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2473 / 82
p0 2324 ± 1.851
2550
2500
2450
2400
2350
2300
2250
2200
2150
2100

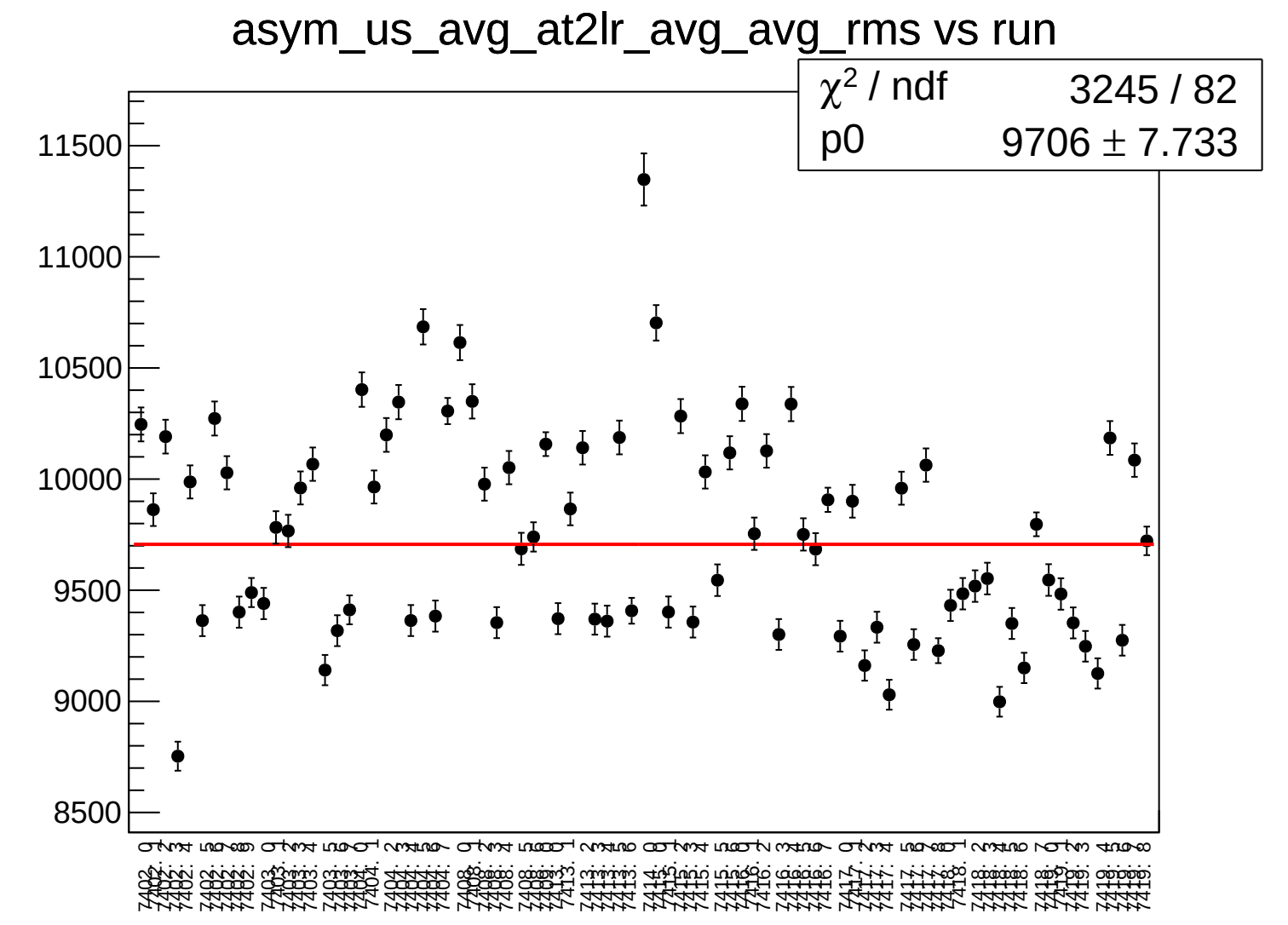

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.33 / 82
p0 3368 ± 1.134e+04
pull
Entries 83
Mean −733.5
Std Dev 0

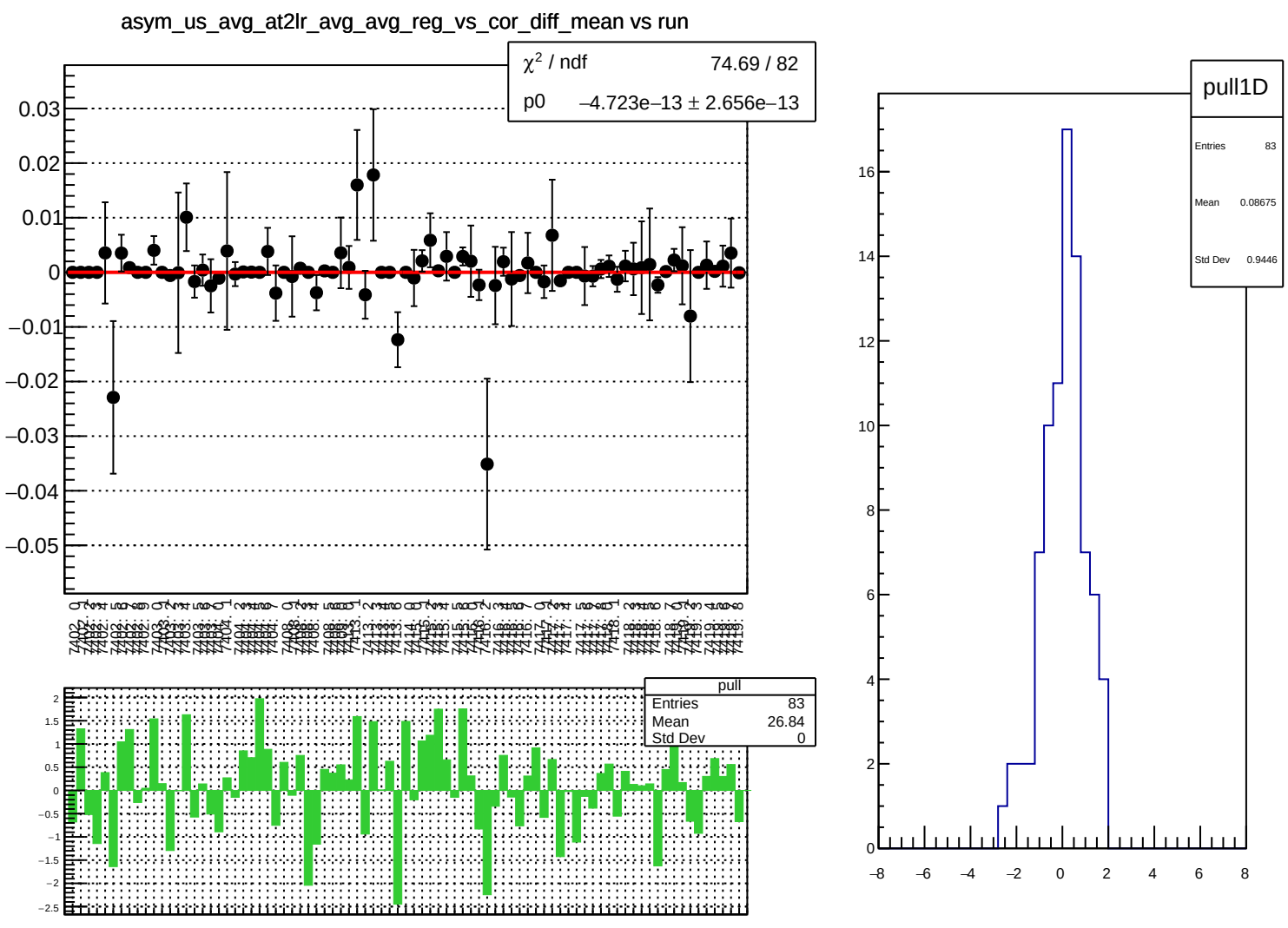

pull1D
Entries 83
Mean 0.003481
Std Dev 0.9838

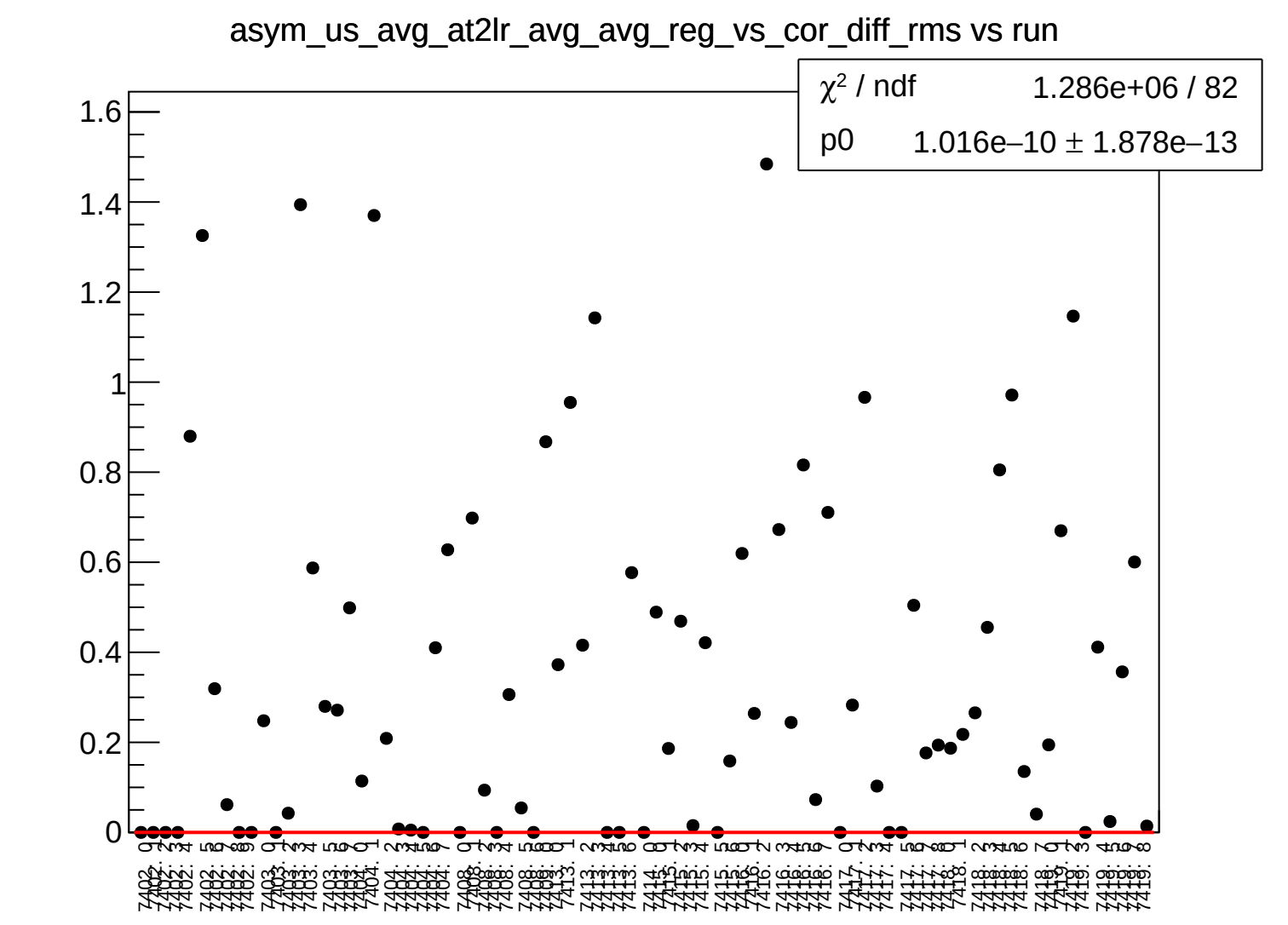

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3284 / 82
p0 1.007e+04 ± 8.019
12000
11500
11000
10500
10000
9500
9000

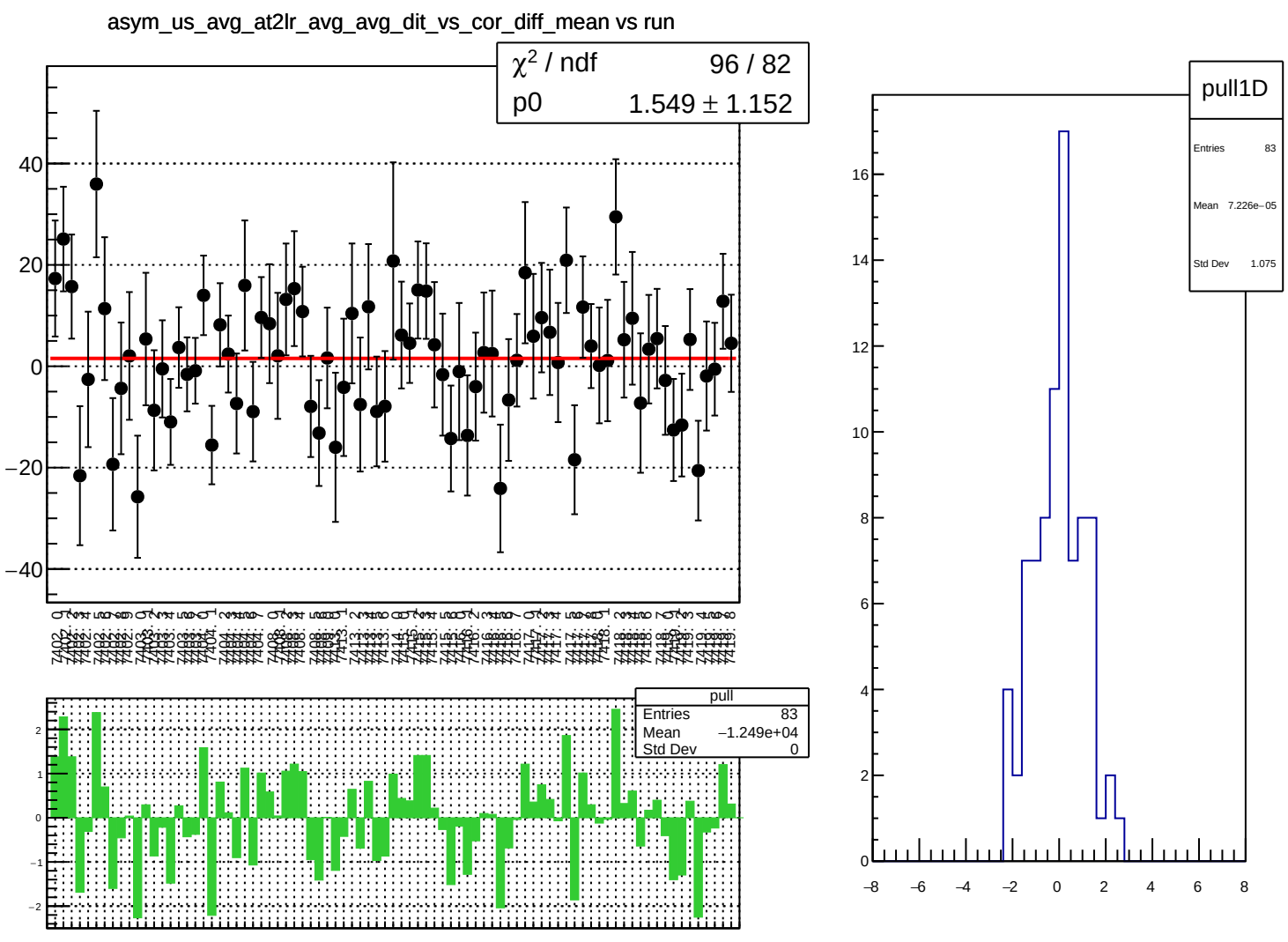

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 76.95 / 82
p0 1435 ± 1.094e+04
pull
Entries 83
Mean −2372
Std Dev 0

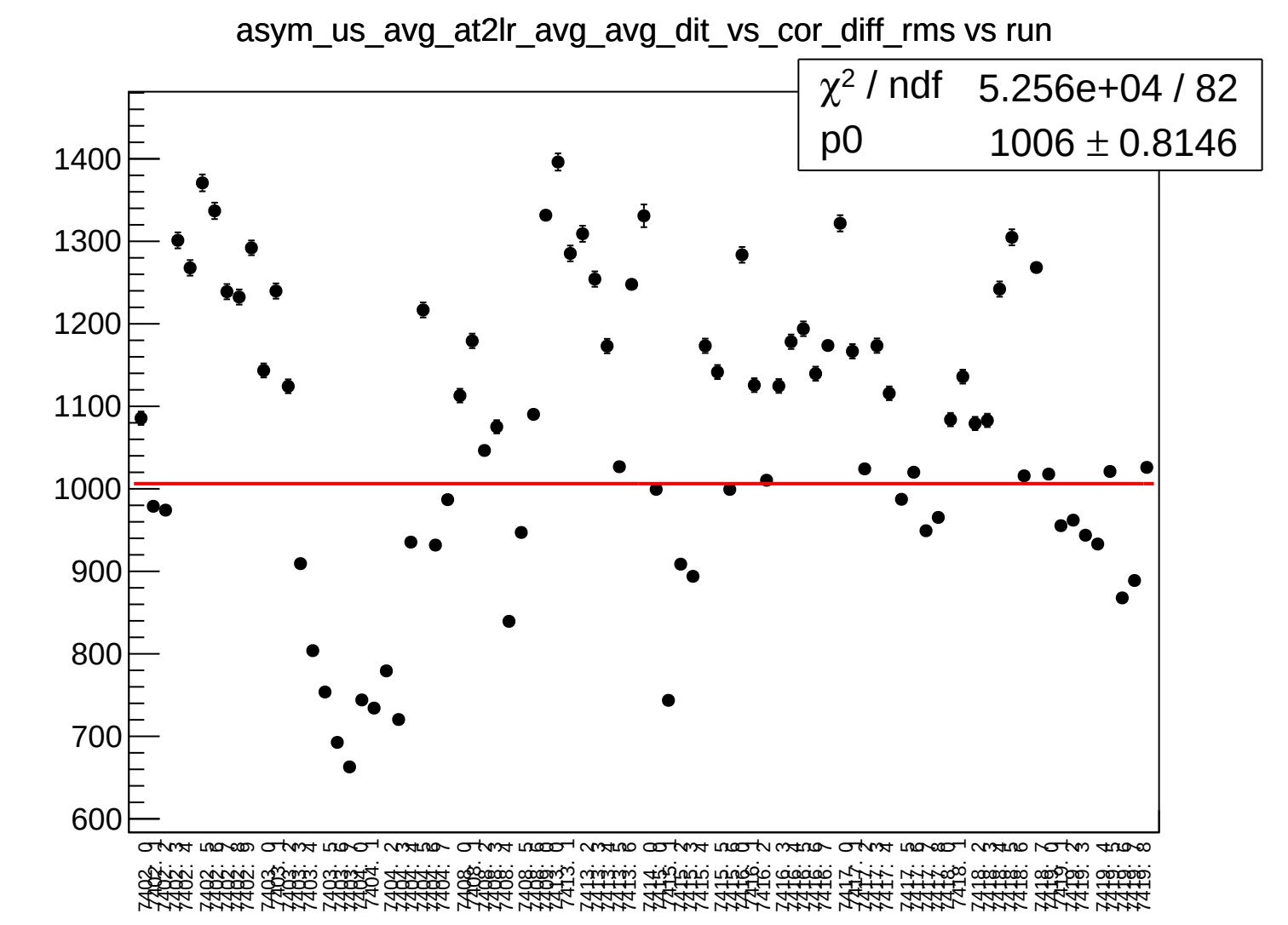

pull1D
Entries 83
Mean −0.001272
Std Dev 0.9628

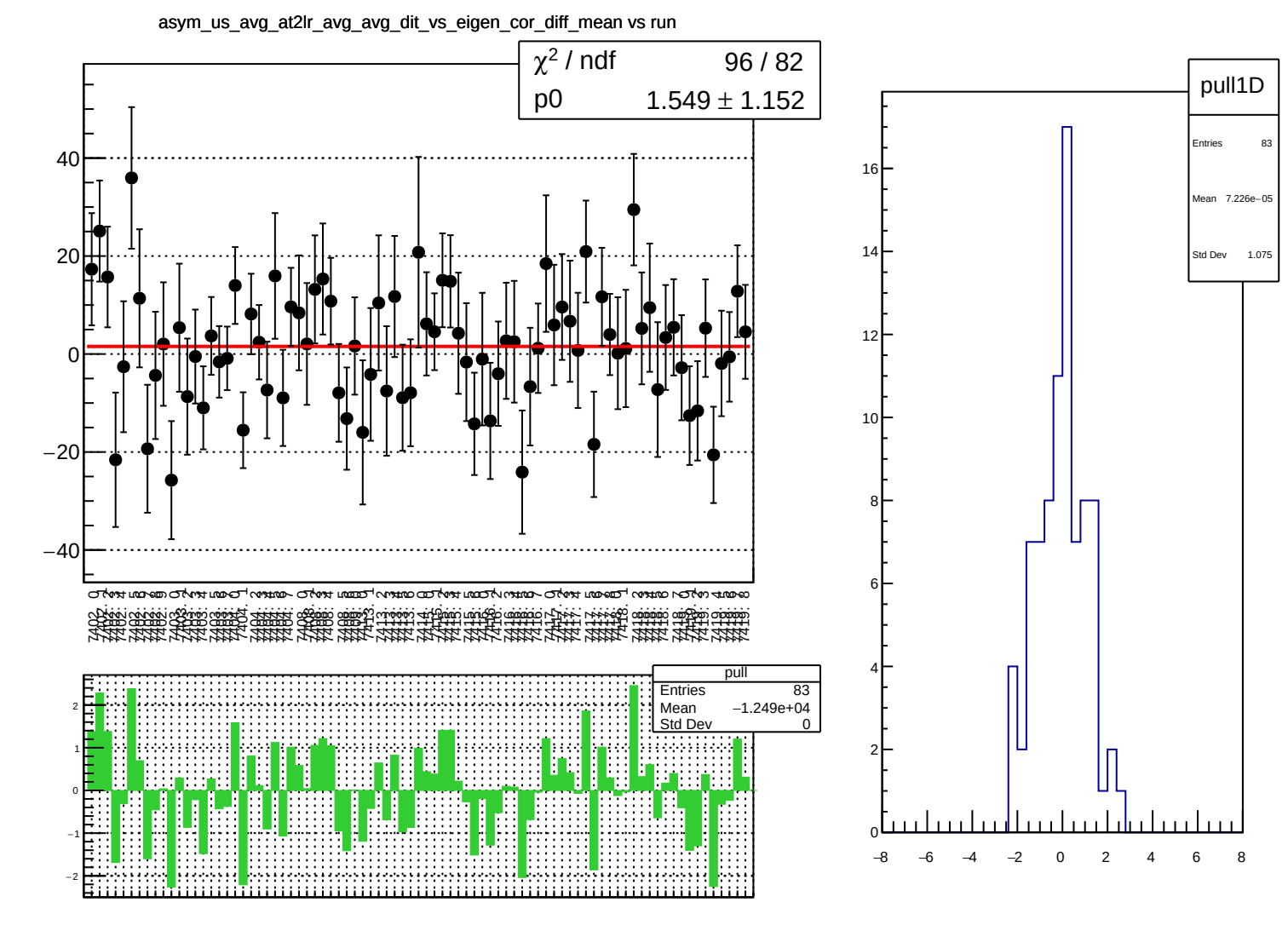

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 3245 / 82
p0 9706 ± 7.733
11500
11000
10500
10000
9500
9000
8500

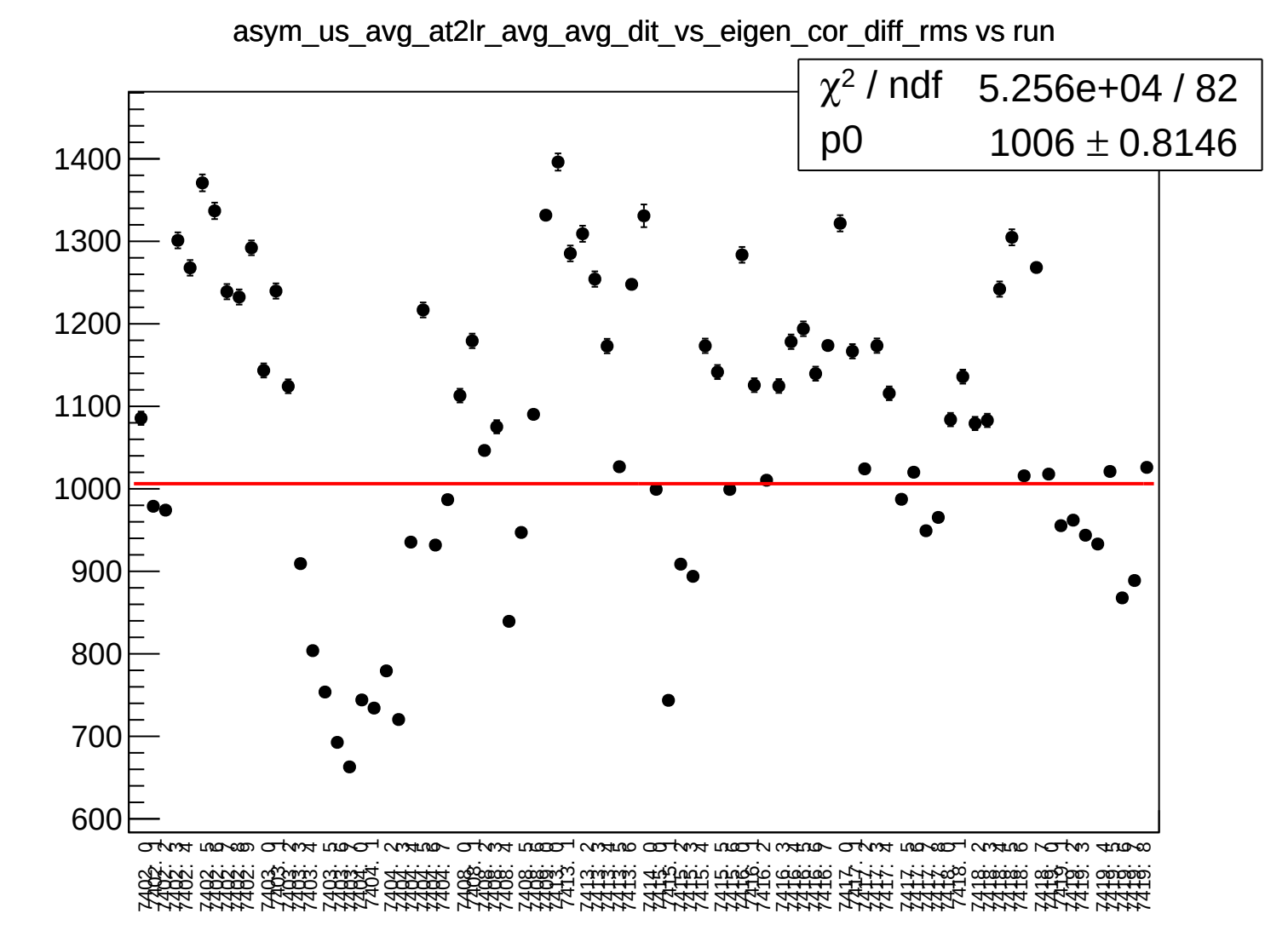

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.69 / 82
p0 −4.723e−13 ± 2.656e−13
pull
Entries 83
Mean 26.84
Std Dev 0
pull1D
Entries 83
Mean 0.08675
Std Dev 0.9446

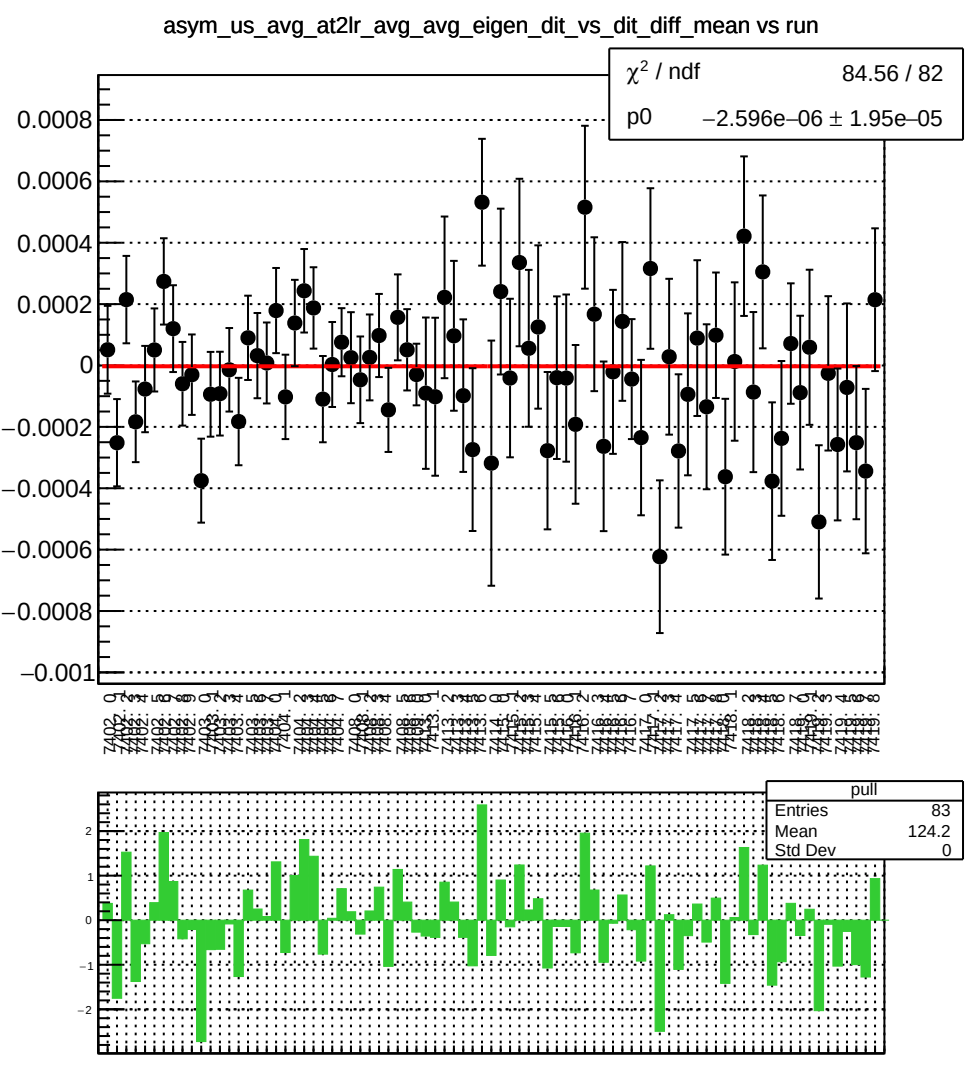

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.286e+06 / 82
p0 1.016e−10 ± 1.878e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

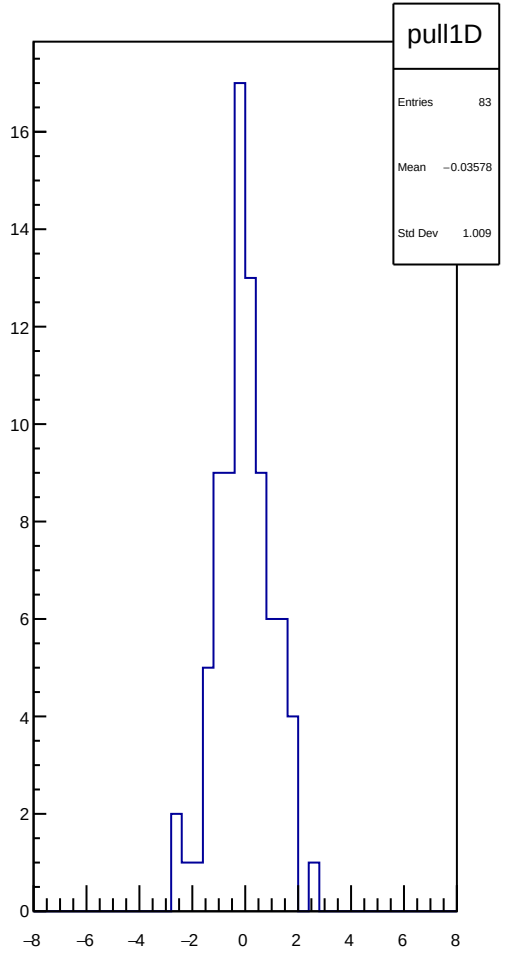

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 96 / 82
p0 1.549 ± 1.152
40
20
0
−20
−40
pull
Entries 83
Mean −1.249e+04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 7.226e−05
Std Dev 1.075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

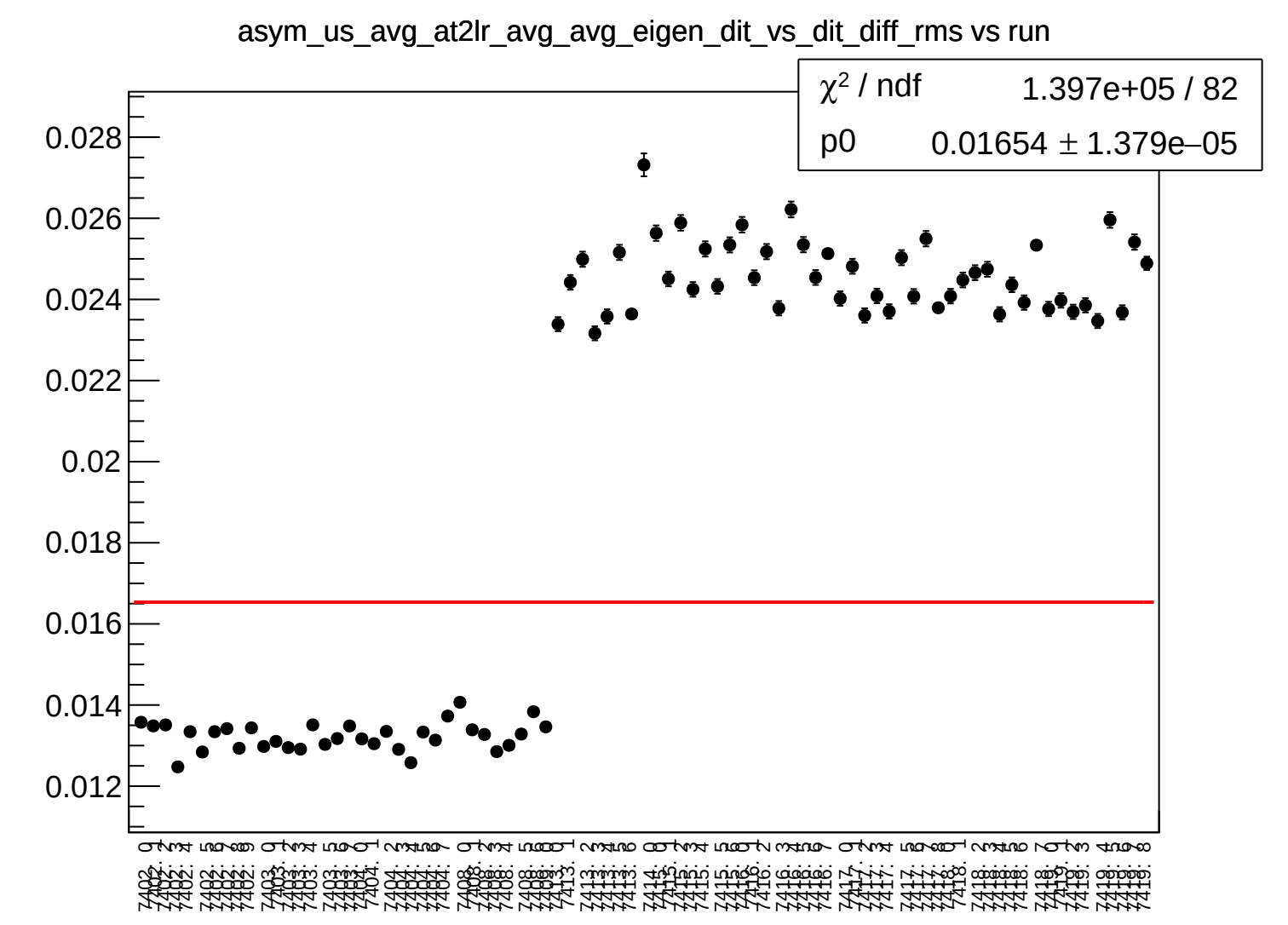

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 82
p0 1006 ± 0.8146
1400
1300
1200
1100
1000
900
800
700
600

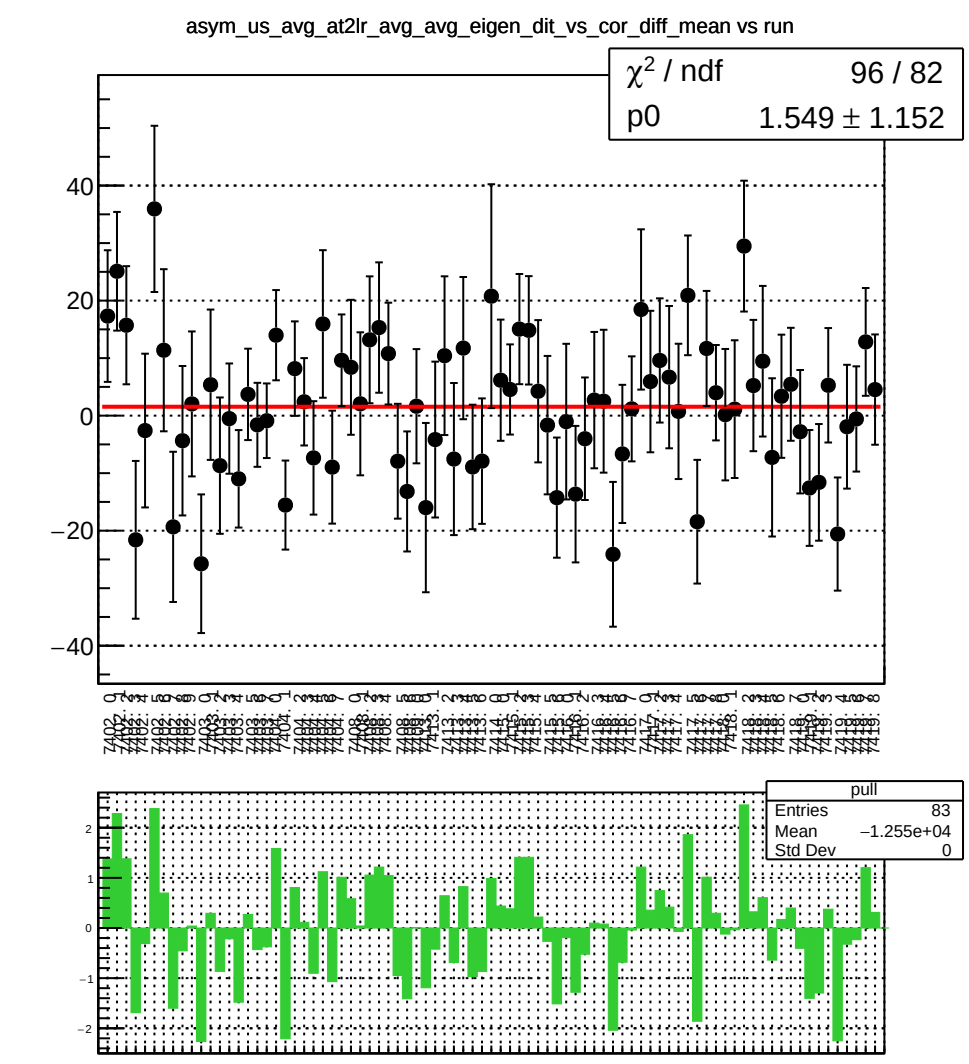

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96 / 82
p0 1.549 ± 1.152
pull
Entries 83
Mean −1.249e+04
Std Dev 0
pull1D
Entries 83
Mean 7.226e−05
Std Dev 1.075

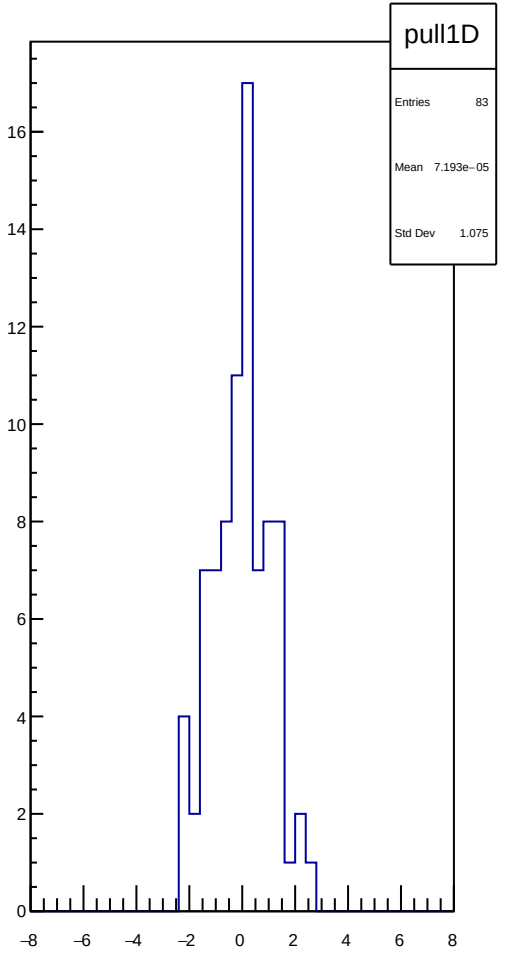

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 82
p0 1006 ± 0.8146
1400
1300
1200
1100
1000
900
800
700
600

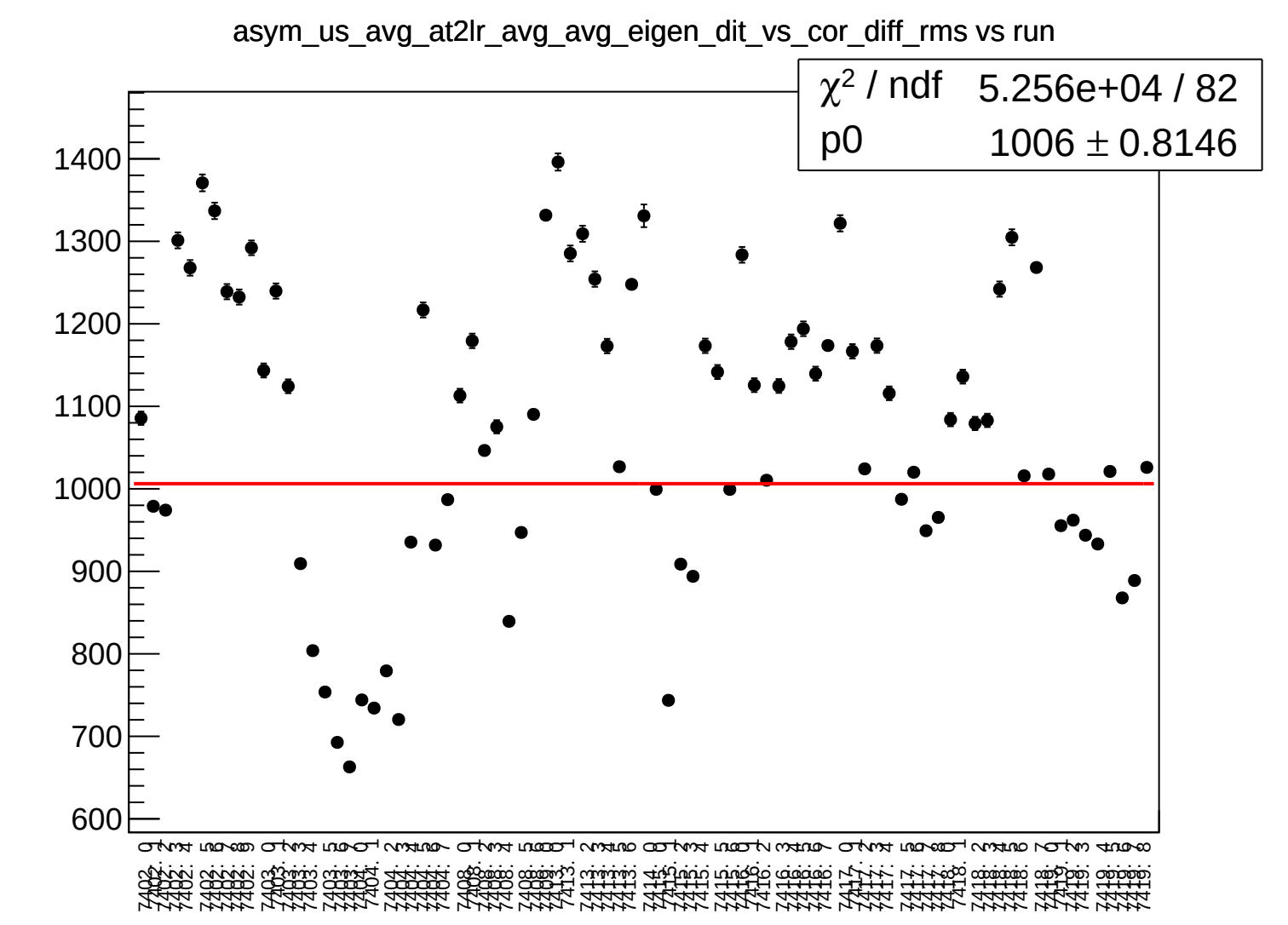

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 84.56 / 82
p0 −2.596e−06 ± 1.95e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 83
Mean 124.2
Std Dev 0
2
1
0
−1
−2

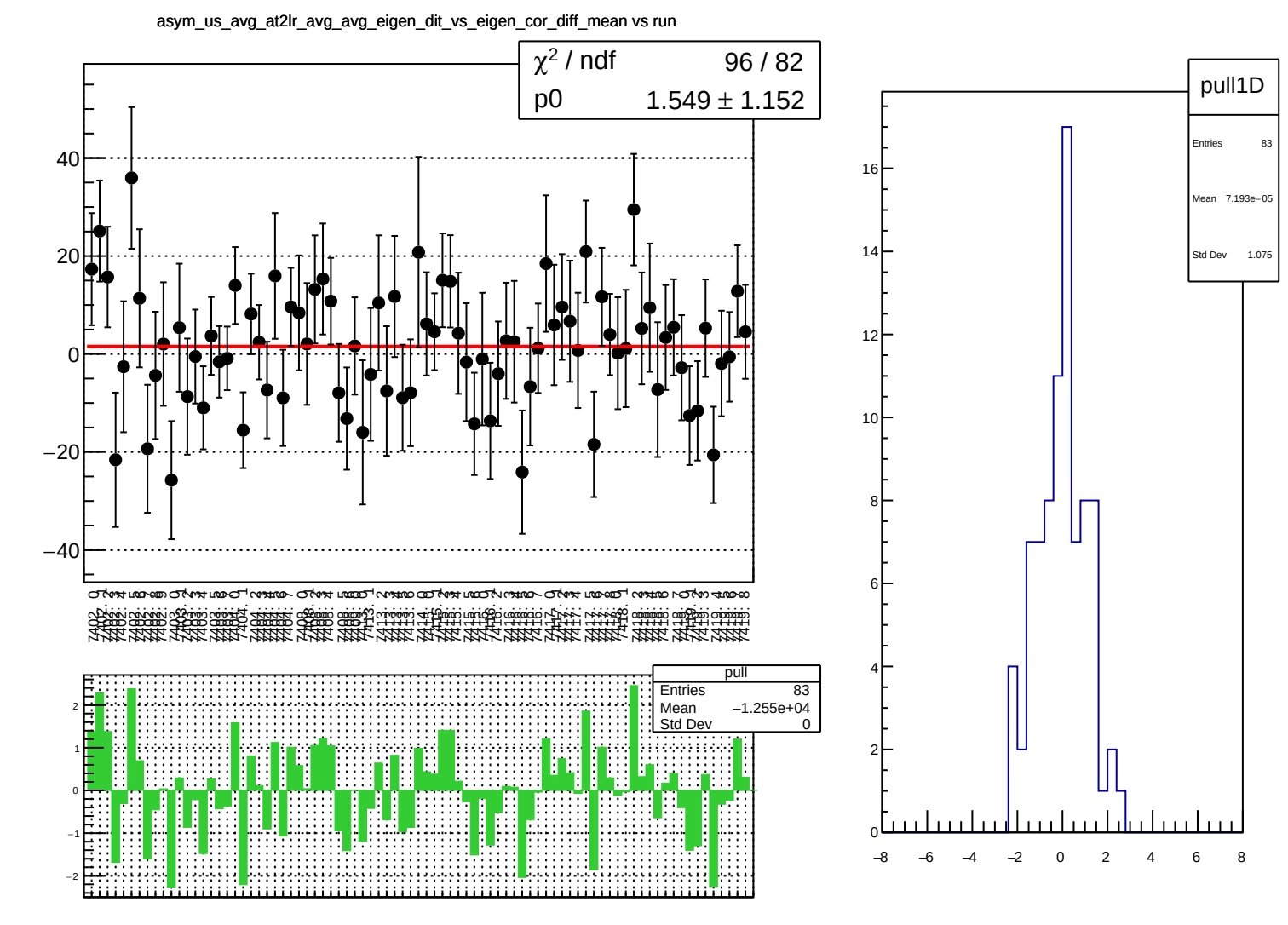

pull1D
Entries 83
Mean −0.03578
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

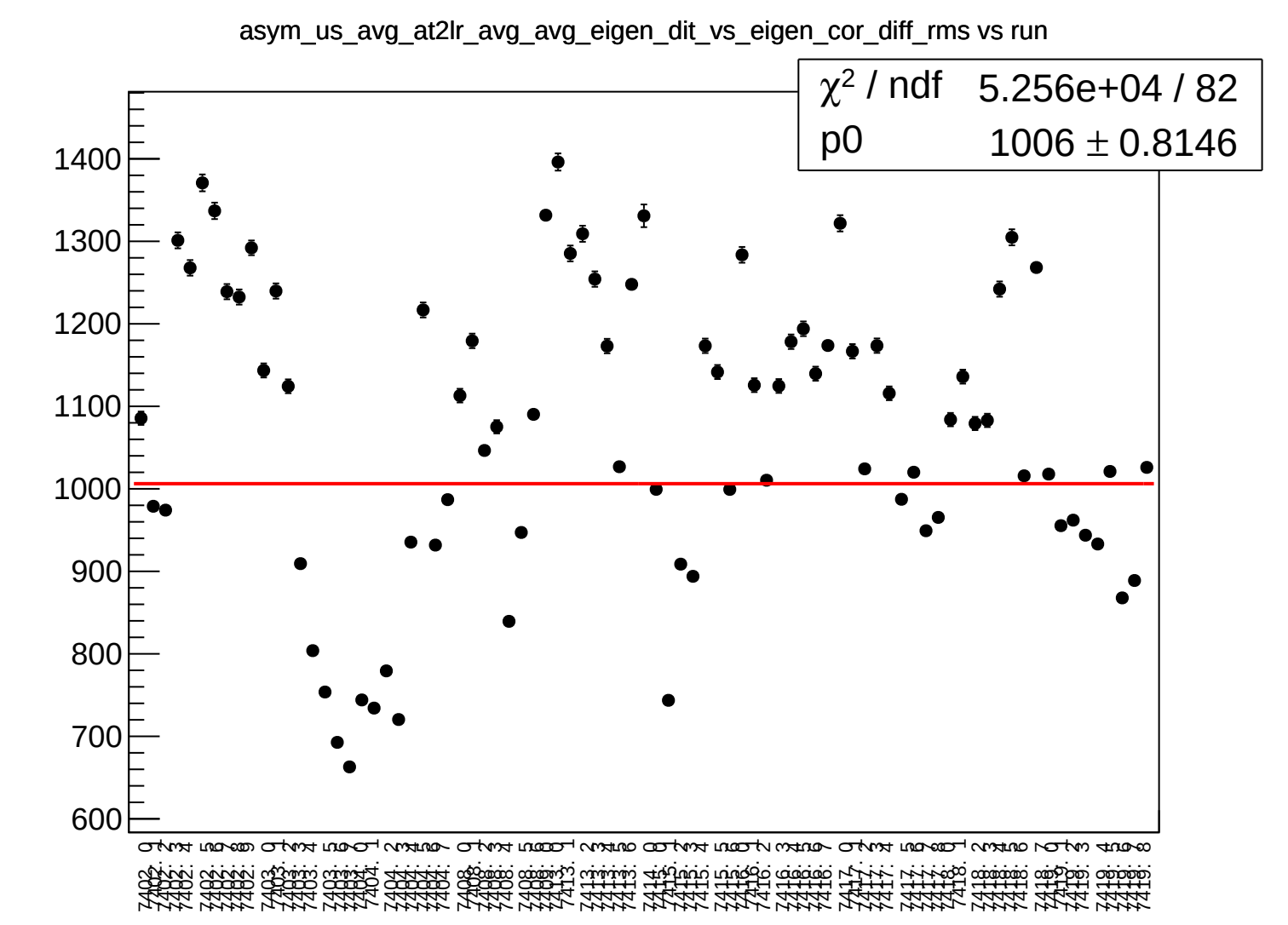

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.397e+05 / 82
p0 0.01654 ± 1.379e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

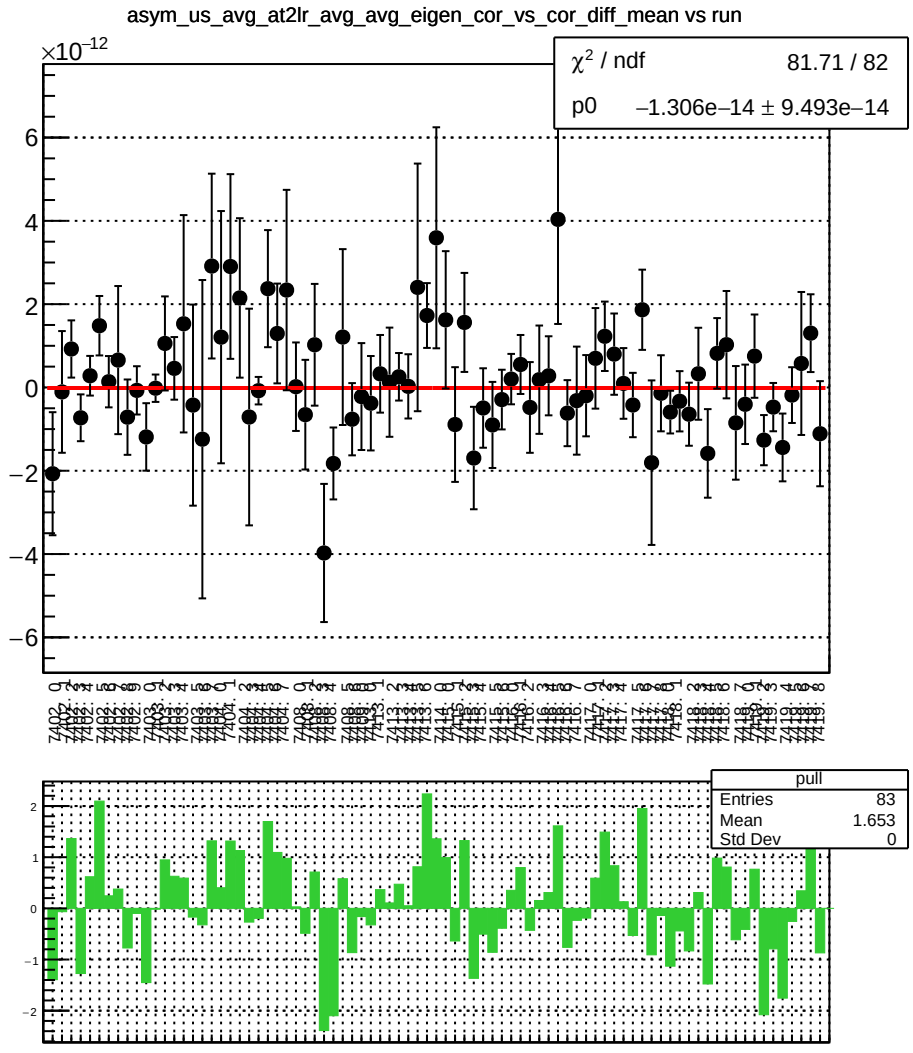

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 96 / 82
p0 1.549 ± 1.152
40
20
0
−20
−40
pull
Entries 83
Mean −1.255e+04
Std Dev 0
2
1
0
−1
−2

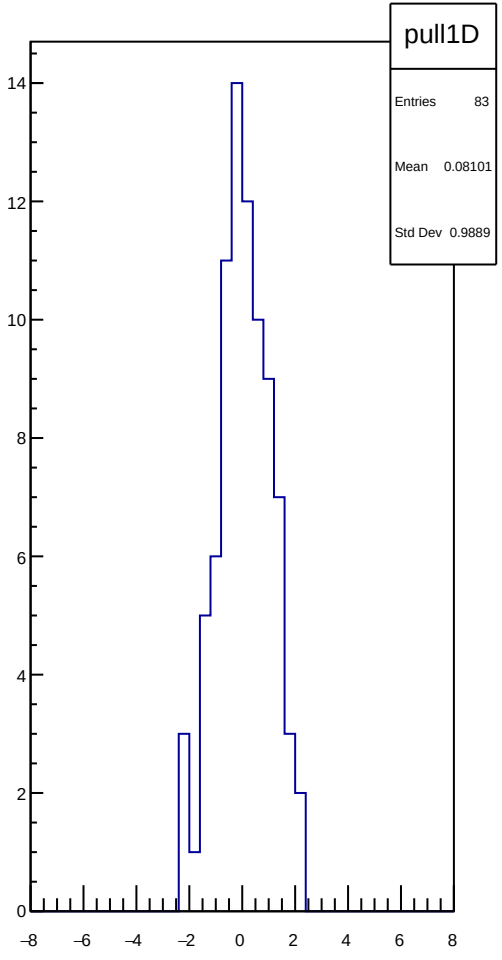

pull1D
Entries 83
Mean 7.193e−05
Std Dev 1.075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

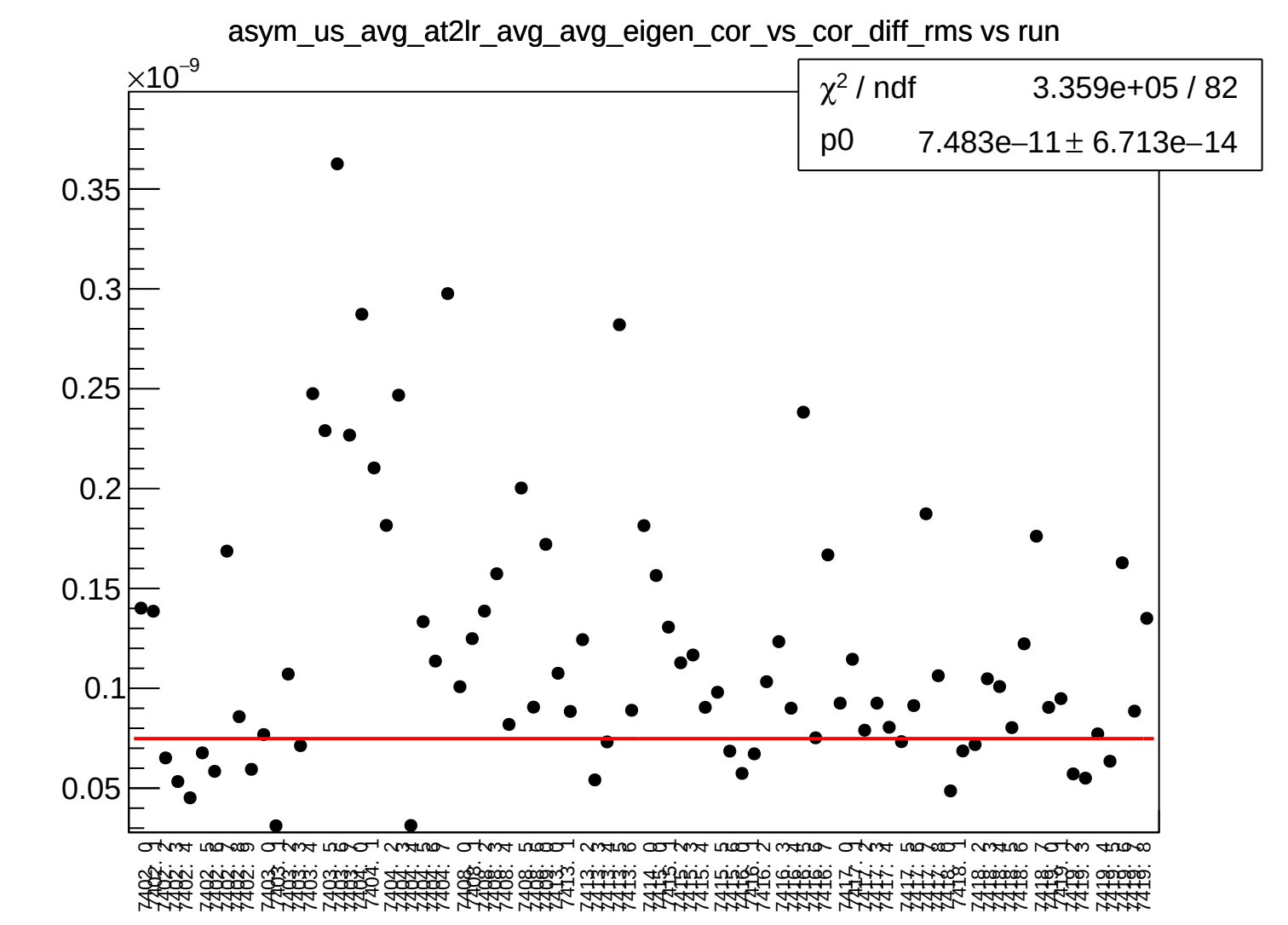

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 82
p0 1006 ± 0.8146
1400
1300
1200
1100
1000
900
800
700
600

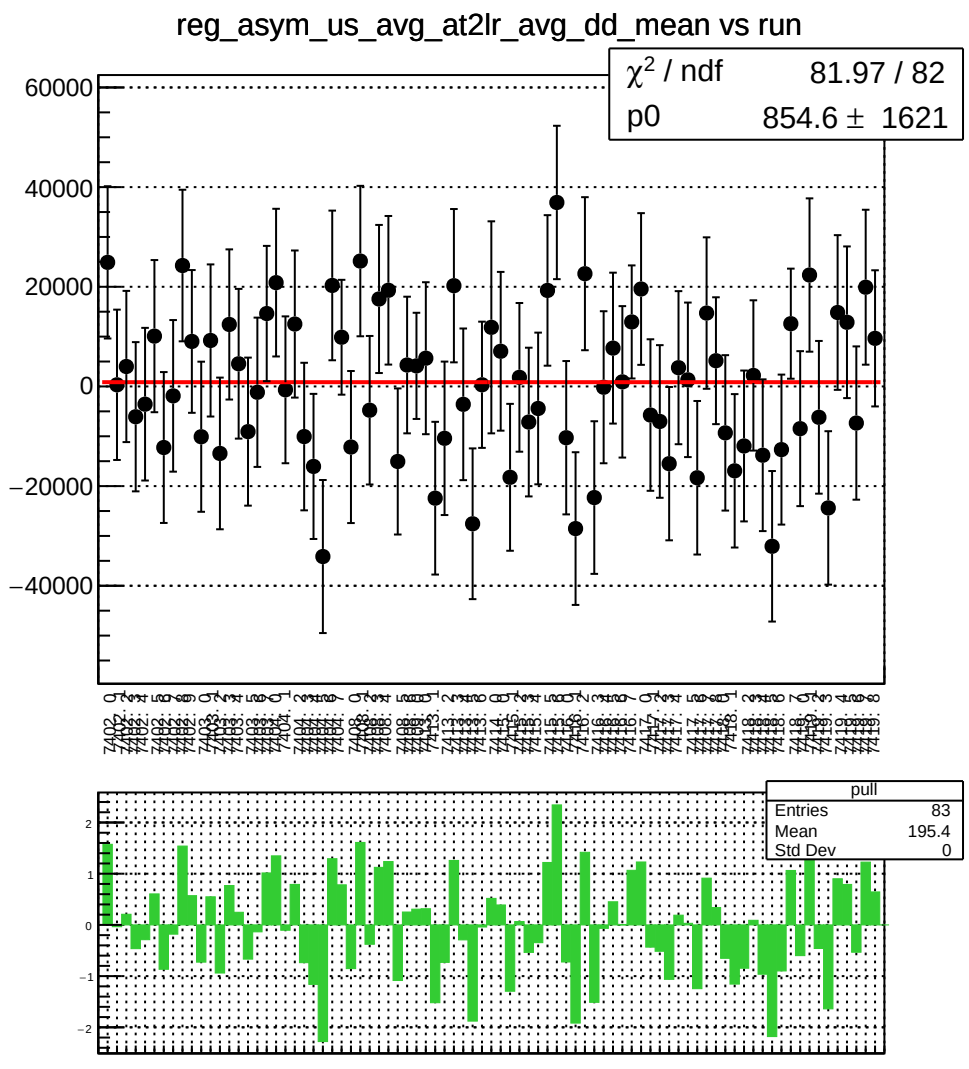

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96 / 82
p0 1.549 ± 1.152
40
20
0
−20
−40
pull
Entries 83
Mean −1.255e+04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 7.193e−05
Std Dev 1.075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

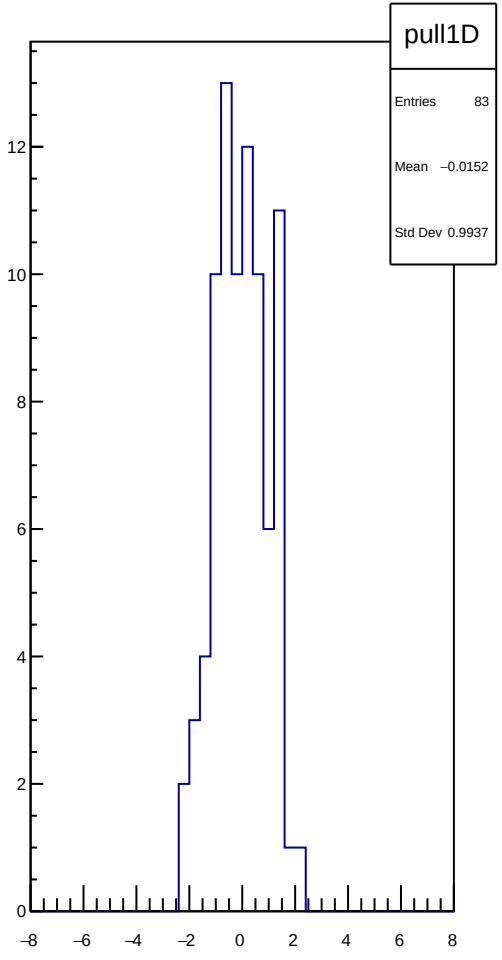

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.256e+04 / 82
p0 1006 ± 0.8146
1400
1300
1200
1100
1000
900
800
700
600

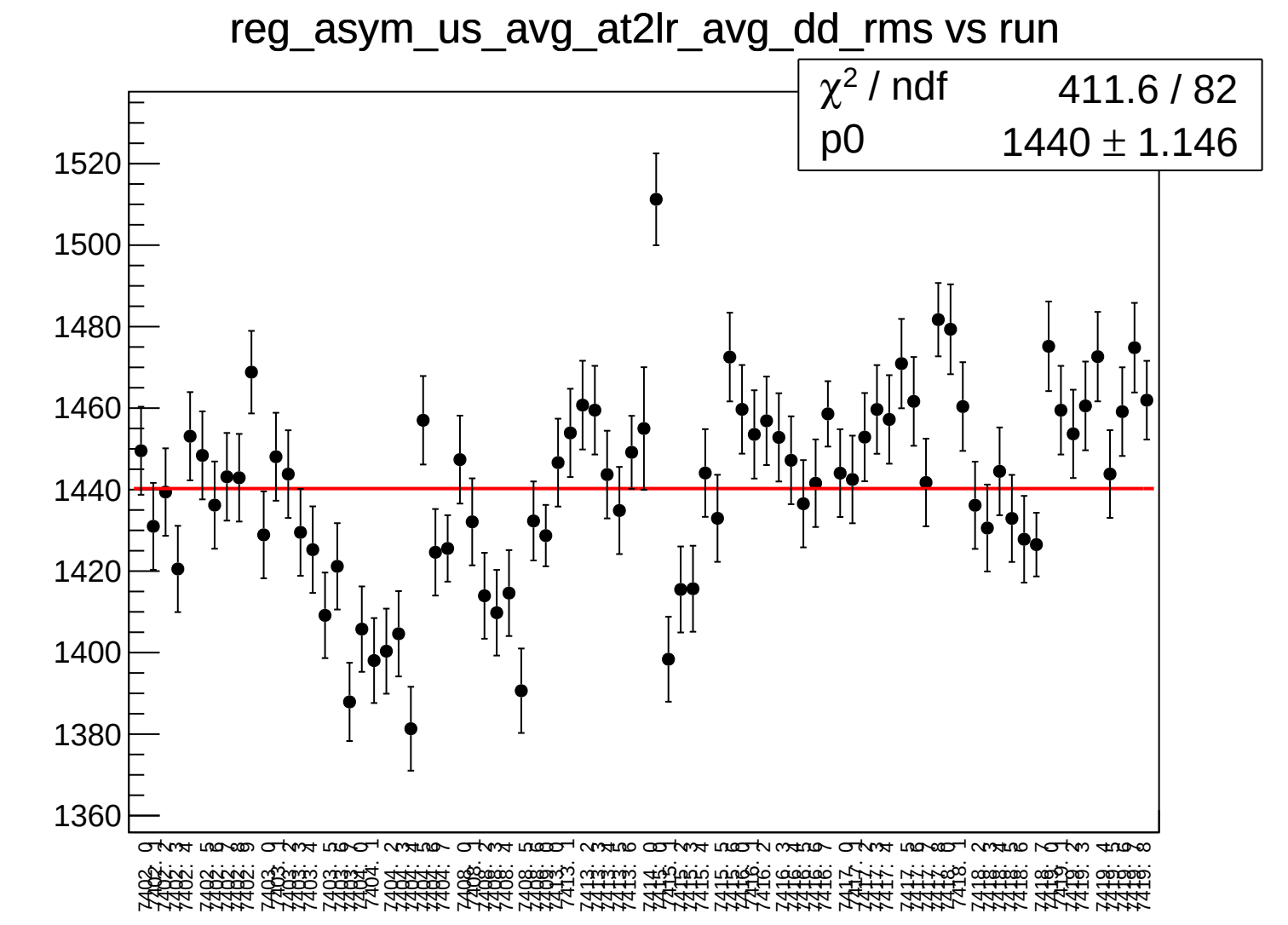

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.71 / 82
p0 −1.306e−14 ± 9.493e−14
pull
Entries 83
Mean 1.653
Std Dev 0

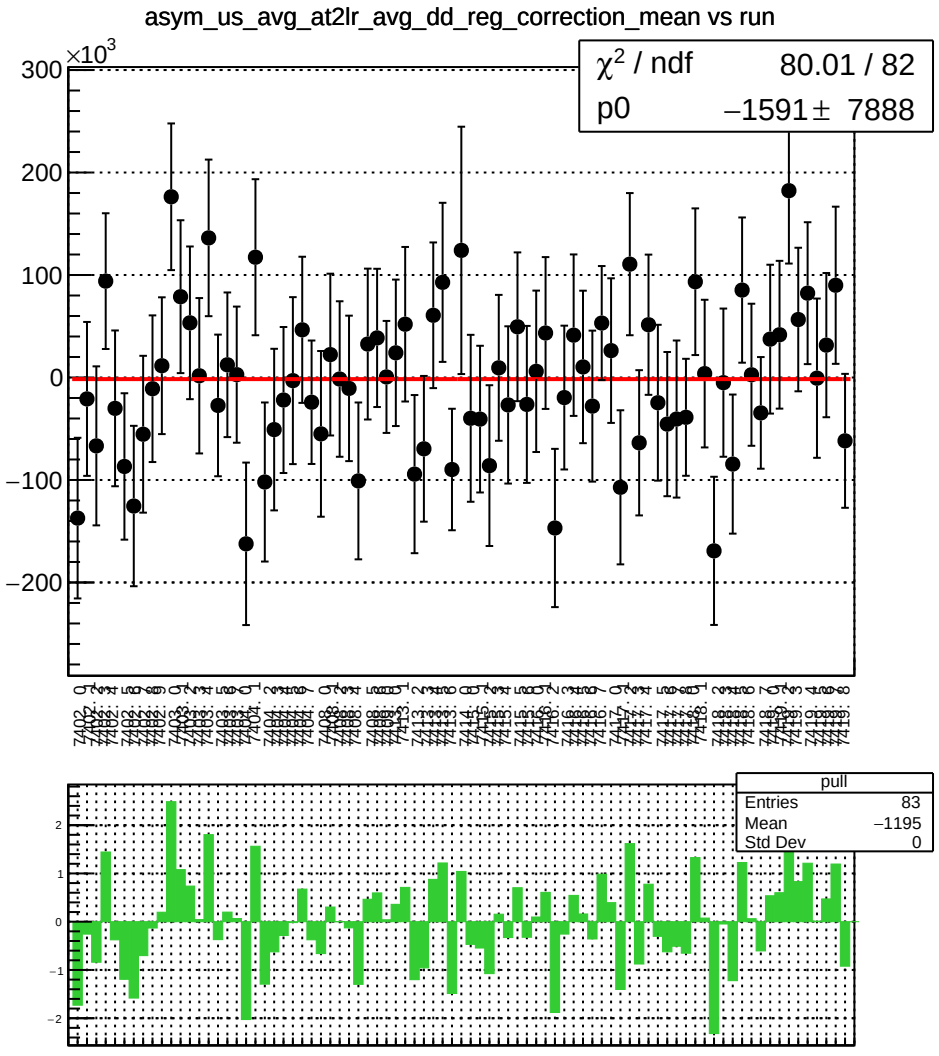

pull1D
Entries 83
Mean 0.08101
Std Dev 0.9889

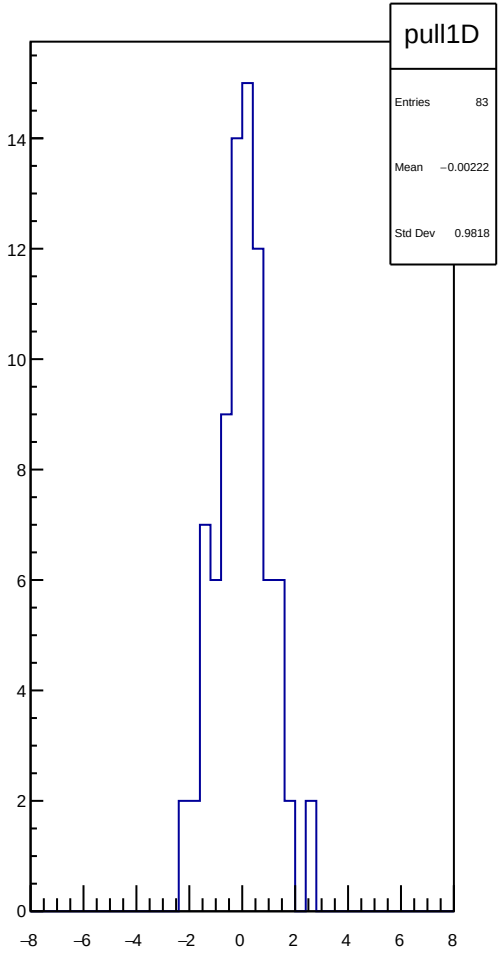

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.359e+05 / 82
p0 7.483e−11 ± 6.713e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

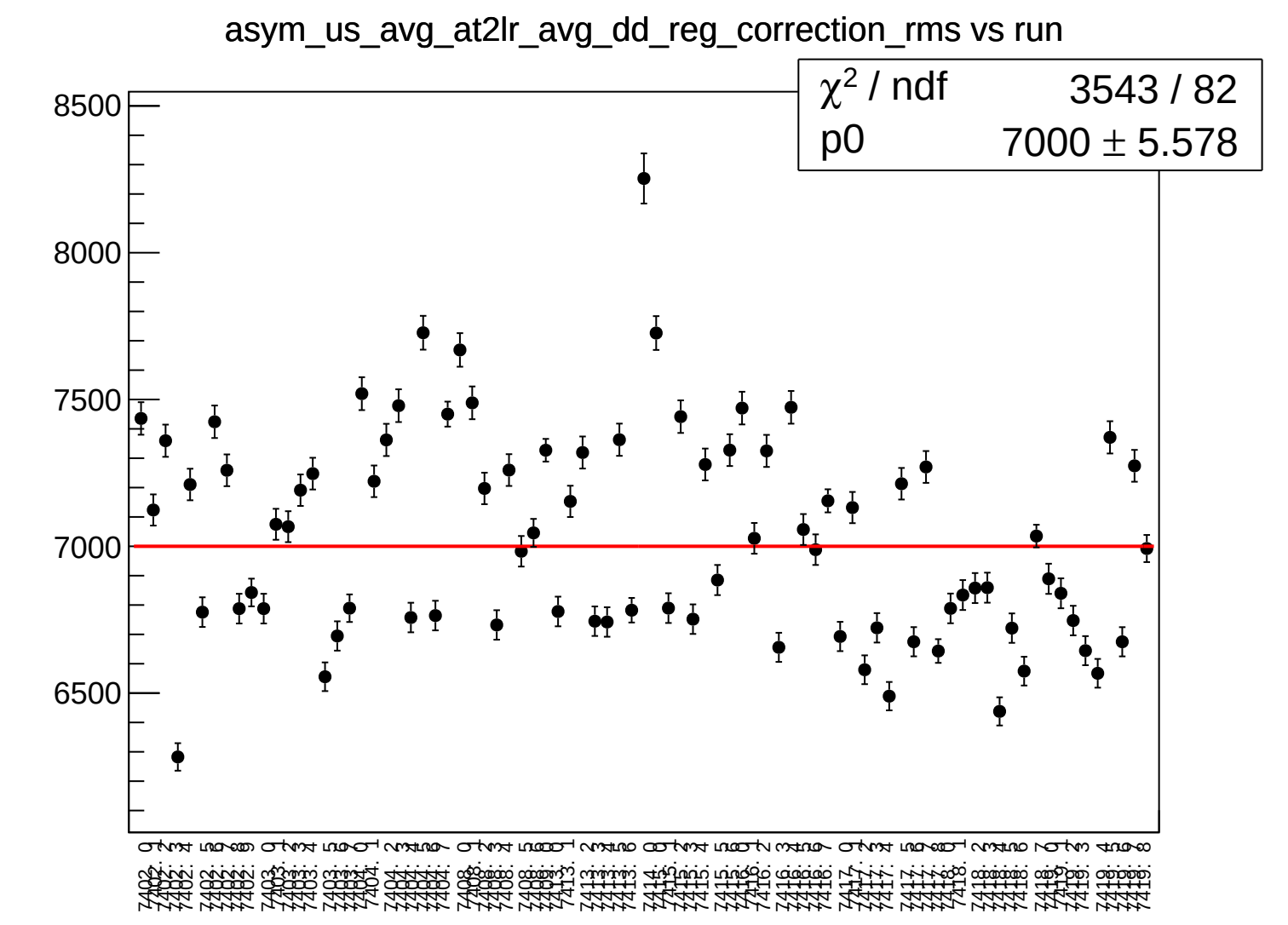

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.97 / 82
p0 854.6 ± 1621
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 195.4
Std Dev 0
2
1
0
−1
−2

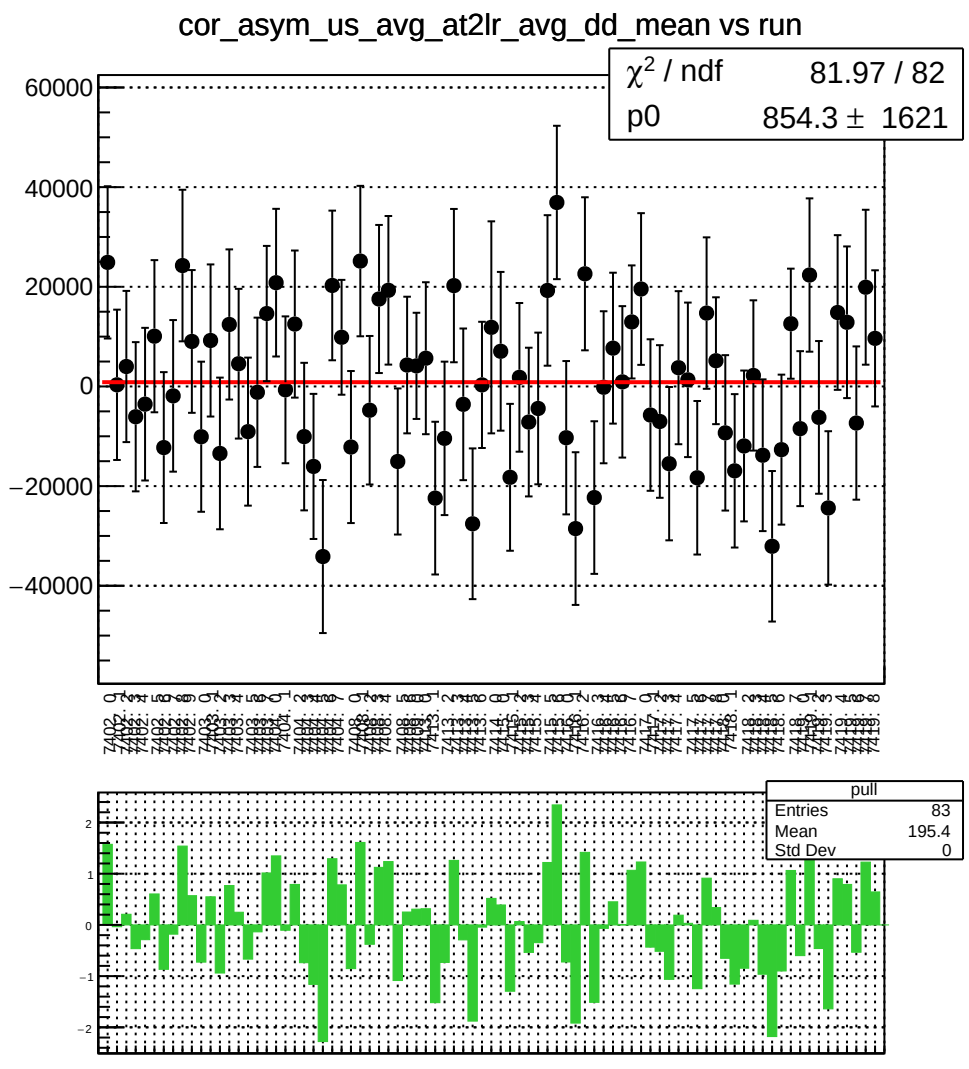

pull1D
Entries 83
Mean −0.0152
Std Dev 0.9937
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

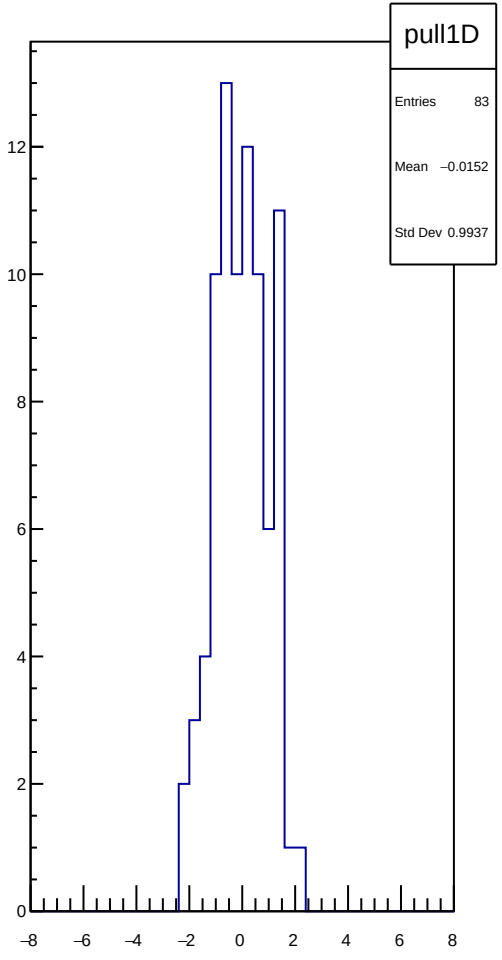

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 411.6 / 82
p0 1440 ± 1.146
1520
1500
1480
1460
1440
1420
1400
1380
1360

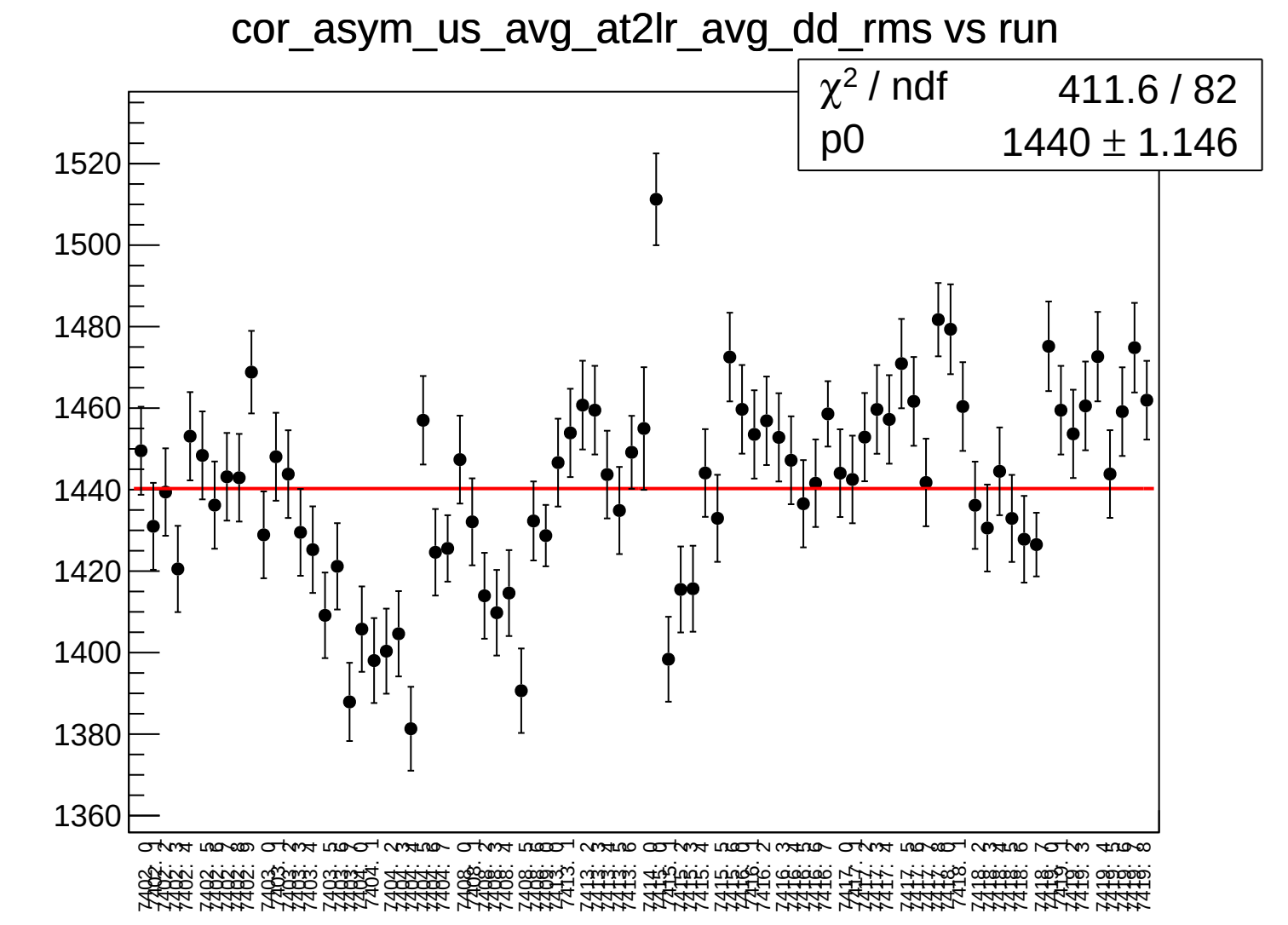

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
χ² / ndf 80.01 / 82
p0 −1591 ± 7888
×10³
pull
Entries 83
Mean −1195
Std Dev 0

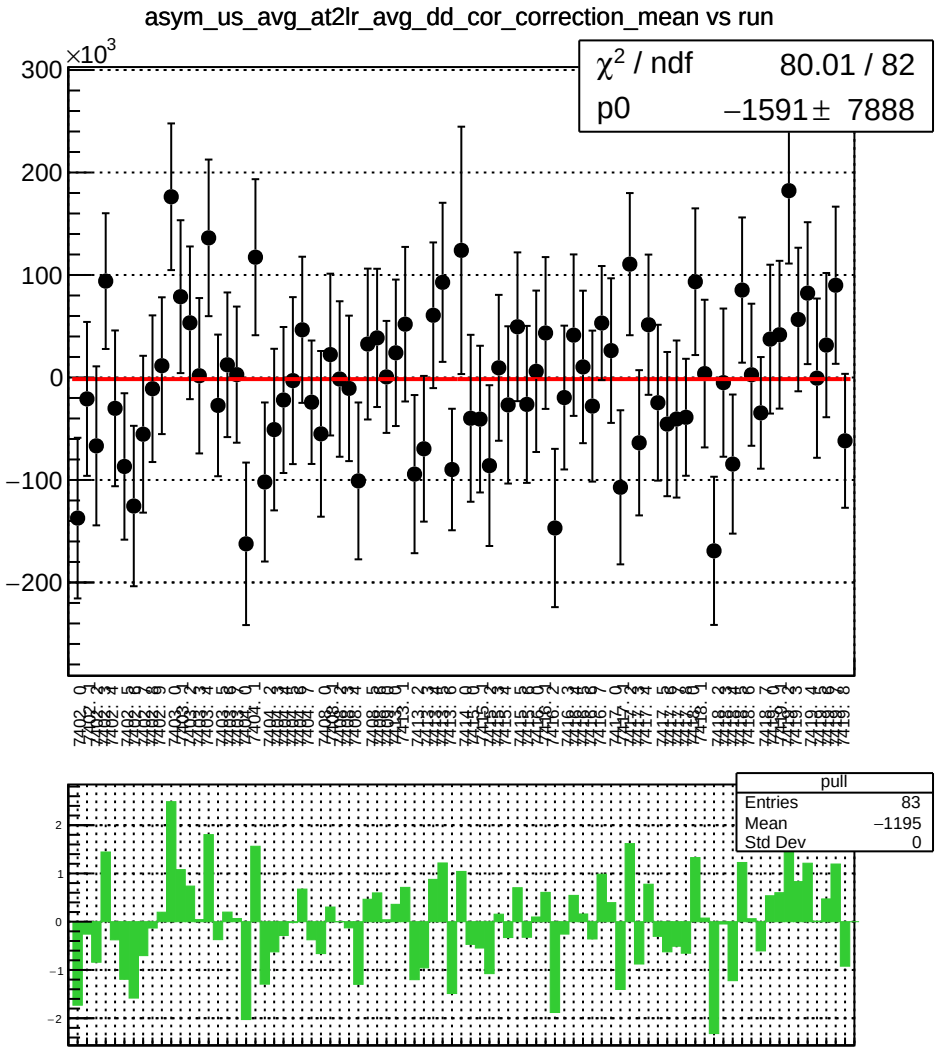

pull1D
Entries 83
Mean −0.00222
Std Dev 0.9818

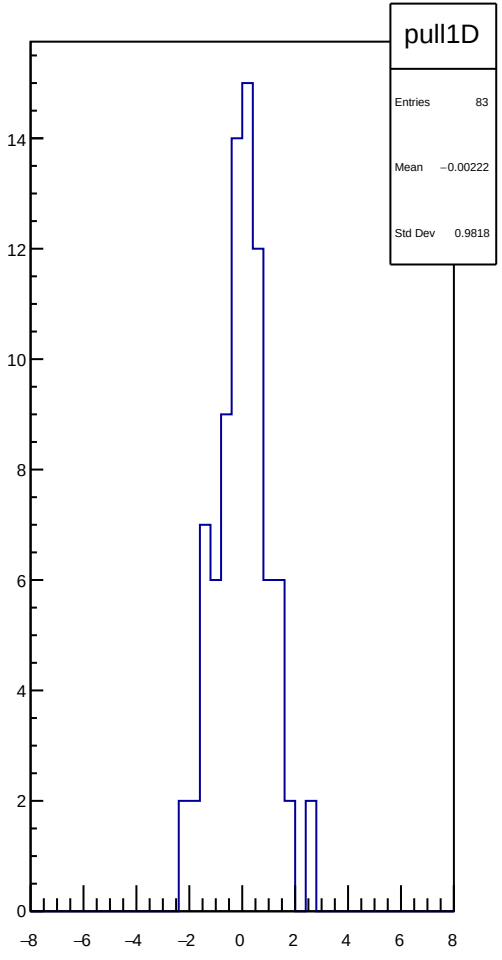

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3543 / 82
p0 7000 ± 5.578
8500
8000
7500
7000
6500

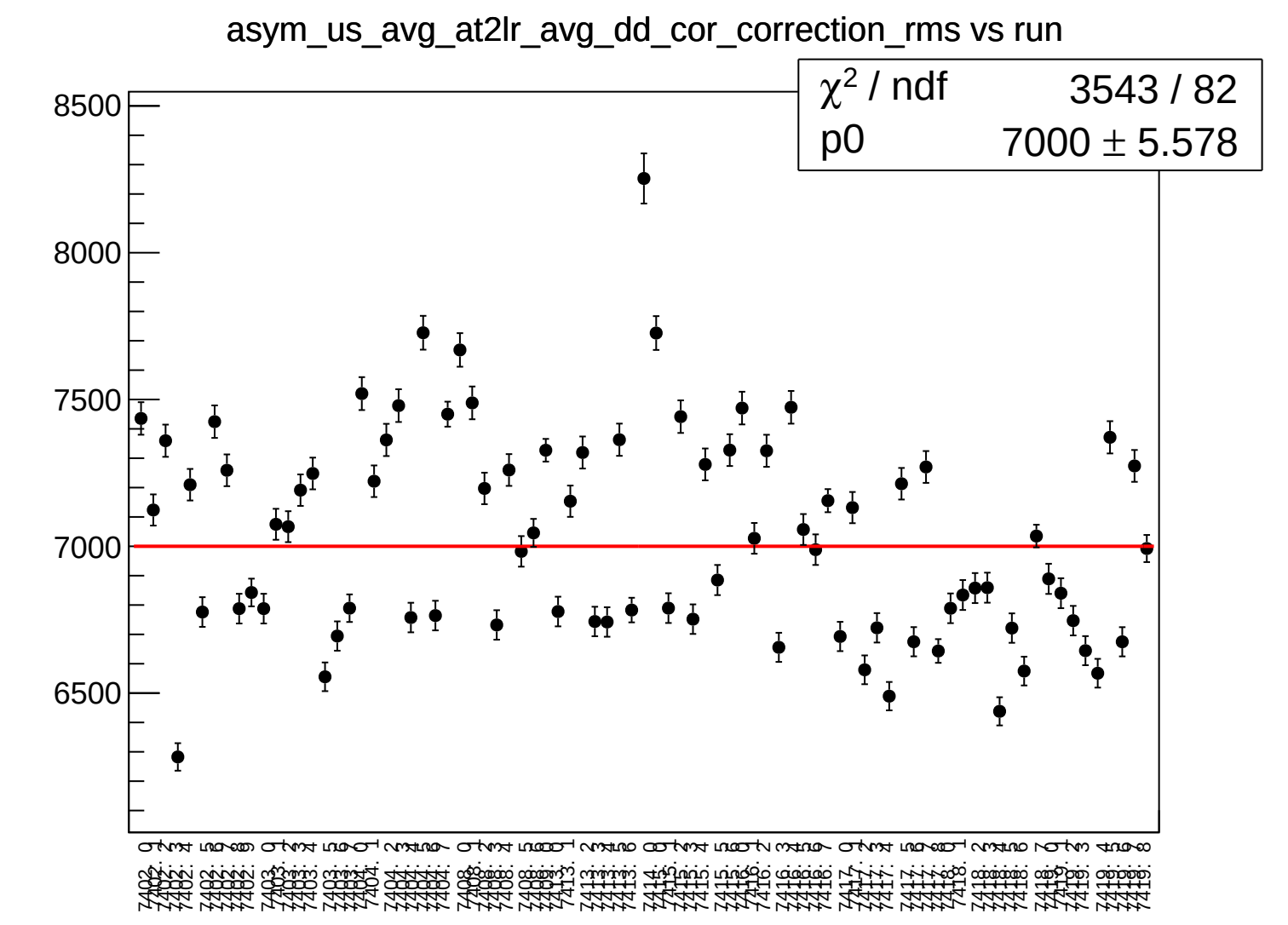

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.97 / 82
p0 854.3 ± 1621
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 195.4
Std Dev 0
2
1
0
−1
−2

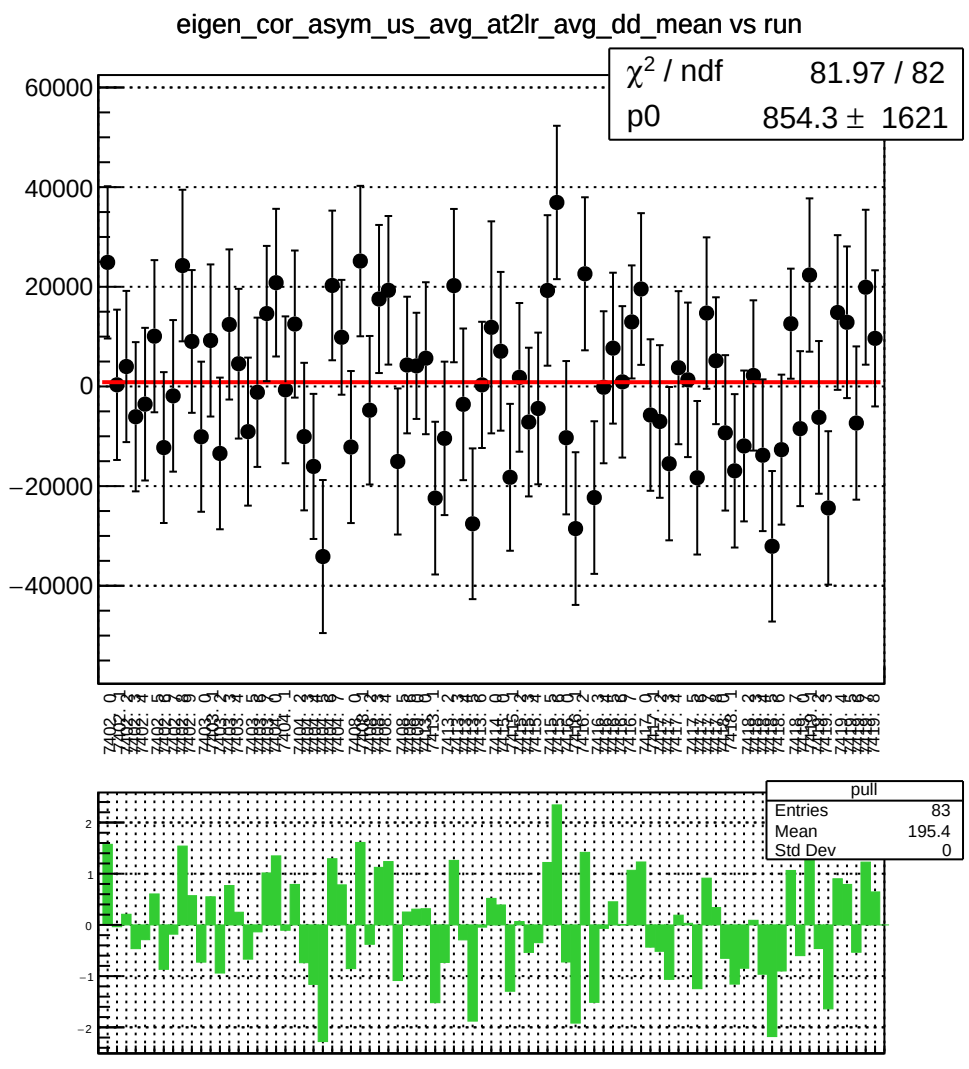

pull1D
Entries 83
Mean −0.0152
Std Dev 0.9937
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

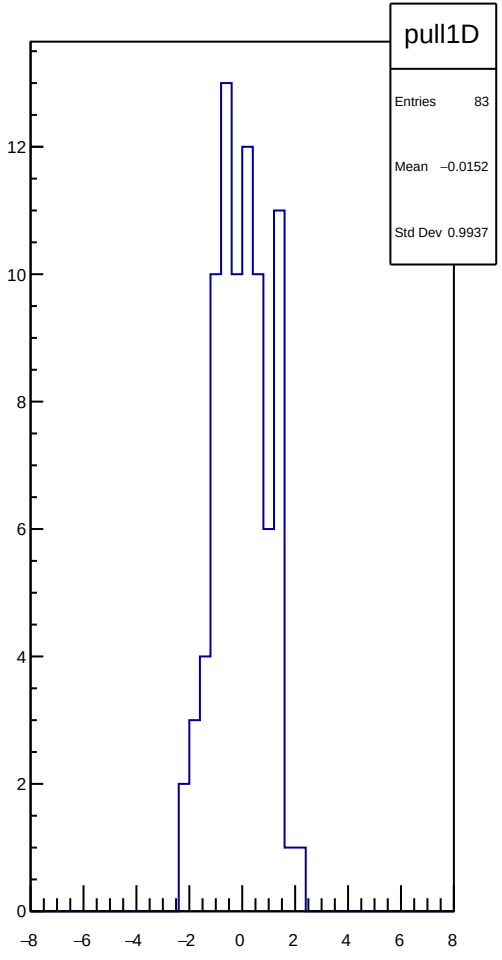

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 411.6 / 82
p0 1440 ± 1.146
1520
1500
1480
1460
1440
1420
1400
1380
1360

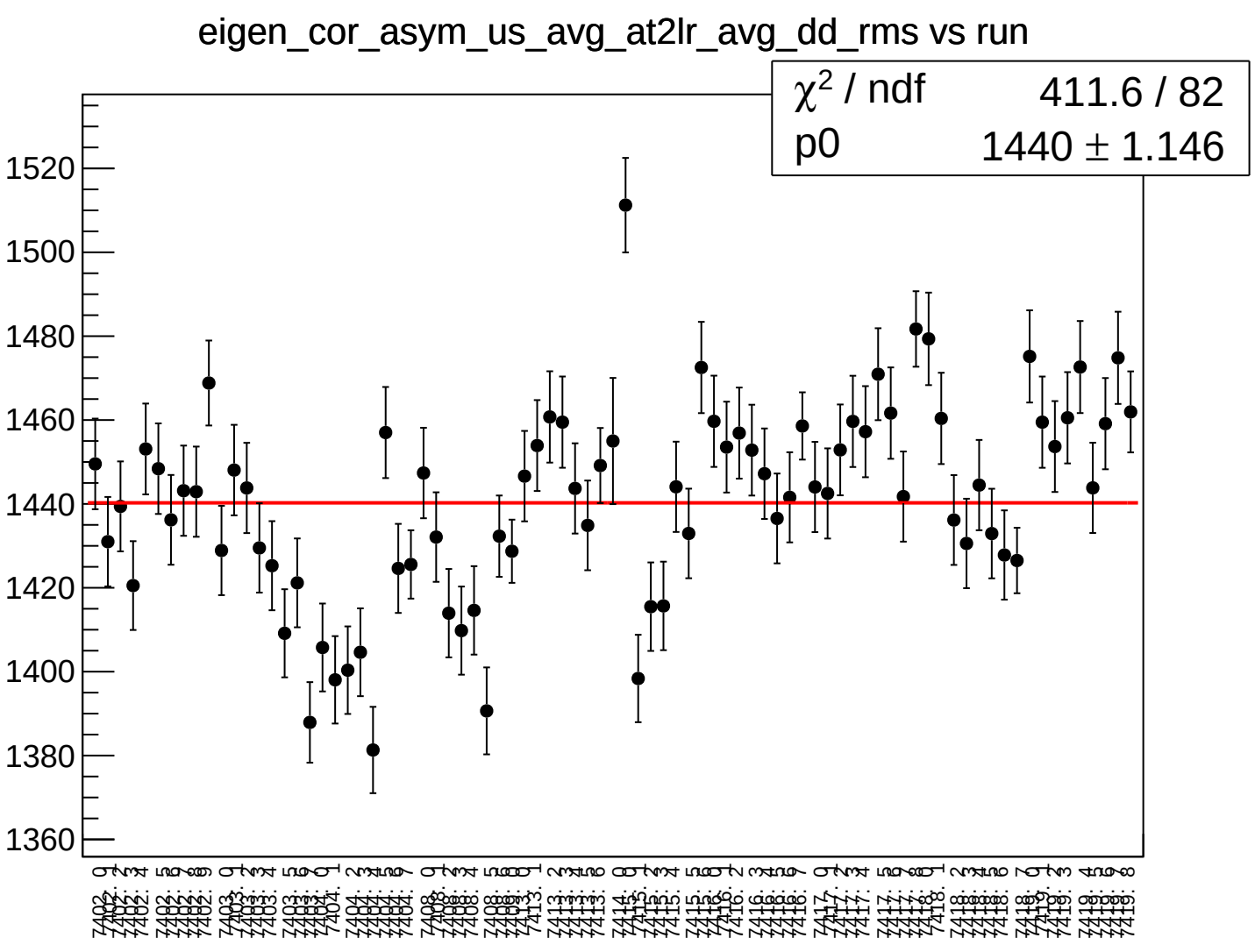

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 80.01 / 82
p0 −1591 ± 7888
pull
Entries 83
Mean −1195
Std Dev 0

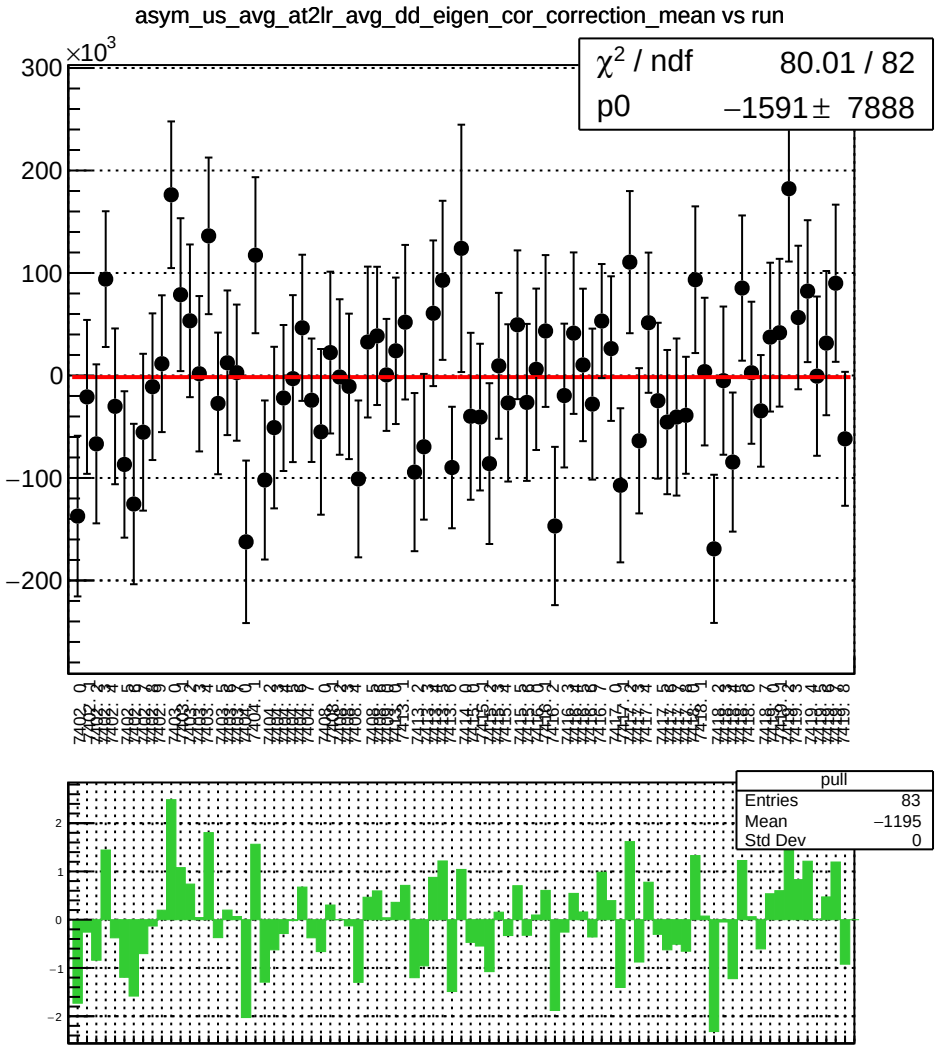

pull1D
Entries 83
Mean −0.00222
Std Dev 0.9818

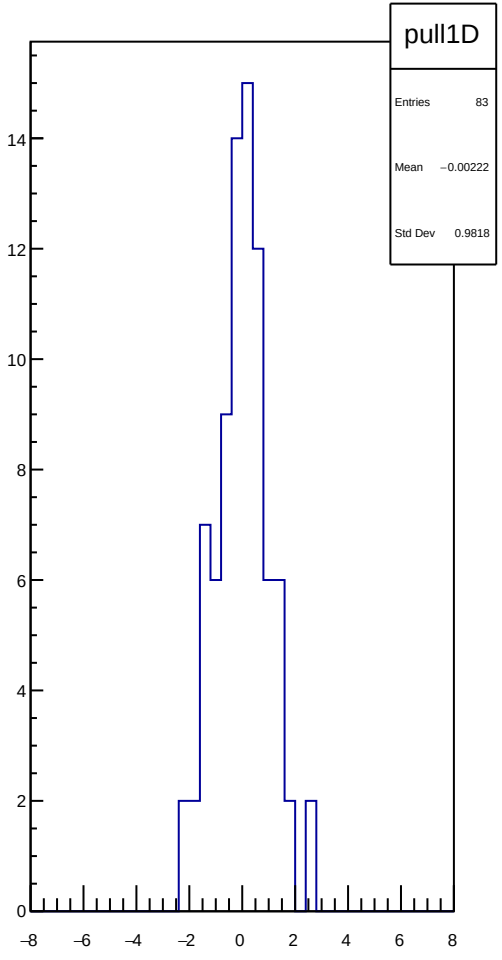

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3543 / 82
p0 7000 ± 5.578
8500
8000
7500
7000
6500

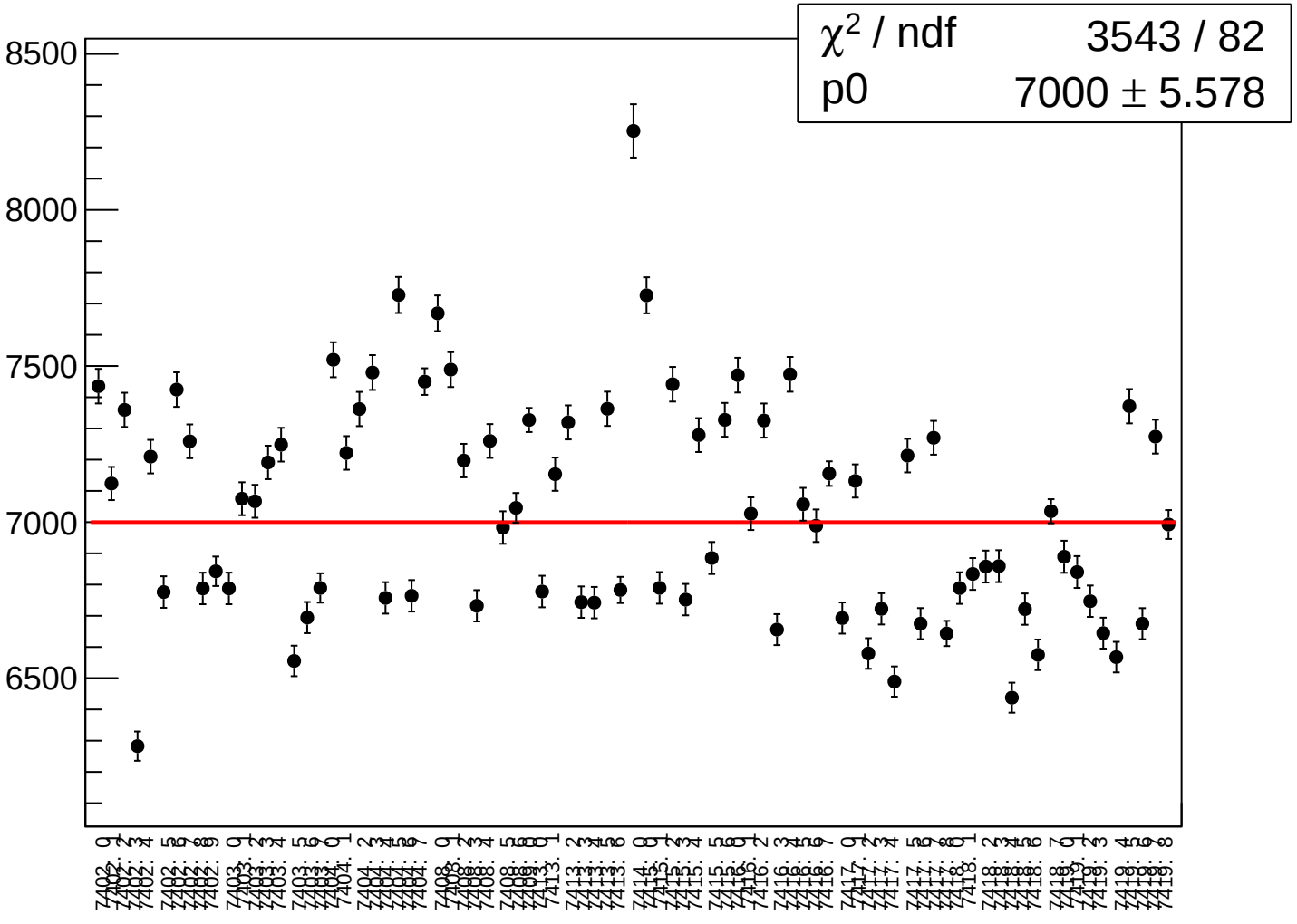

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 81.97 / 82
p0 854.3 ± 1621
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 195.4
Std Dev 0
2
1
0
−1
−2

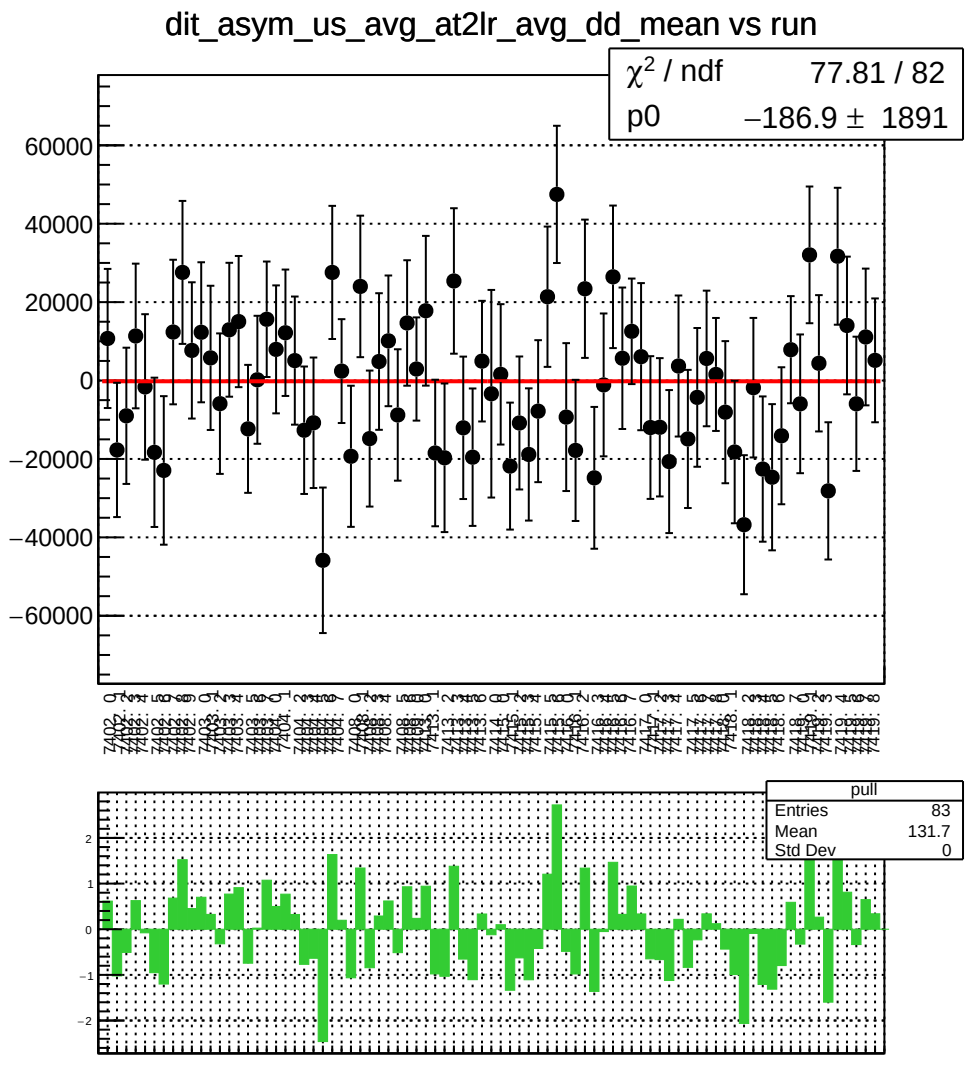

pull1D
Entries 83
Mean −0.0152
Std Dev 0.9937
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

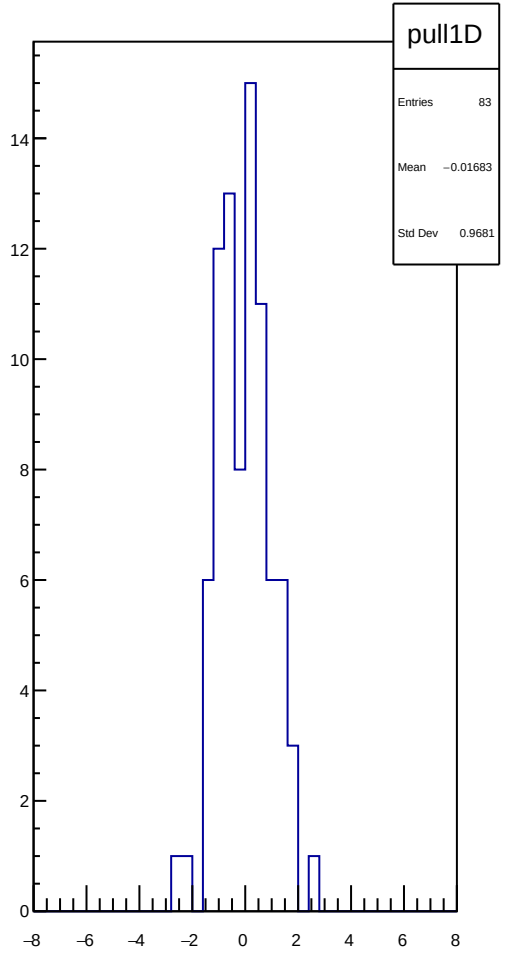

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 411.6 / 82
p0 1440 ± 1.146
1520
1500
1480
1460
1440
1420
1400
1380
1360

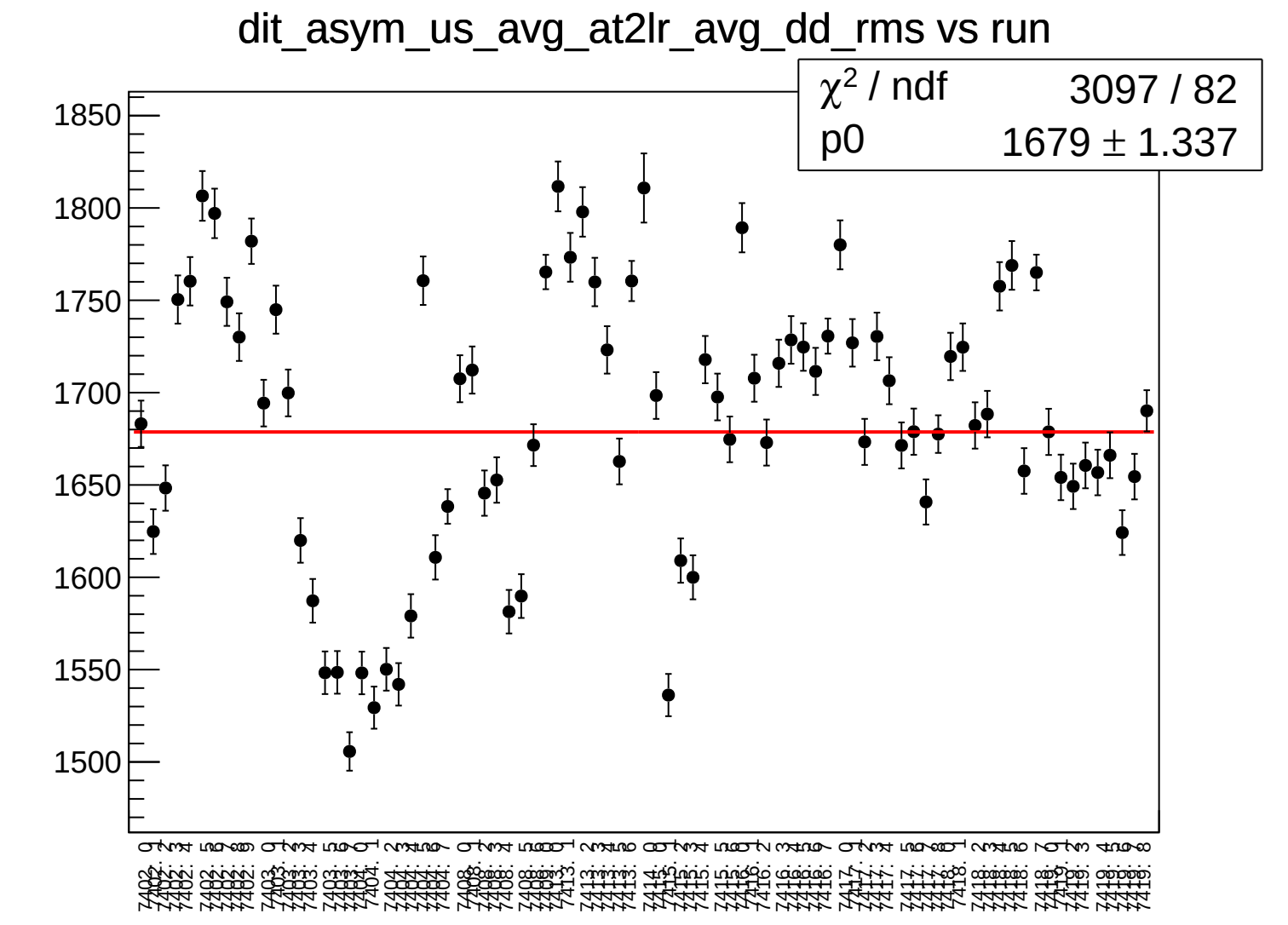

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 80.01 / 82
p0 −1591 ± 7888
×10³
300
200
100
0
−100
−200
pull
Entries 83
Mean −1195
Std Dev 0
2
1
0
−1
−2

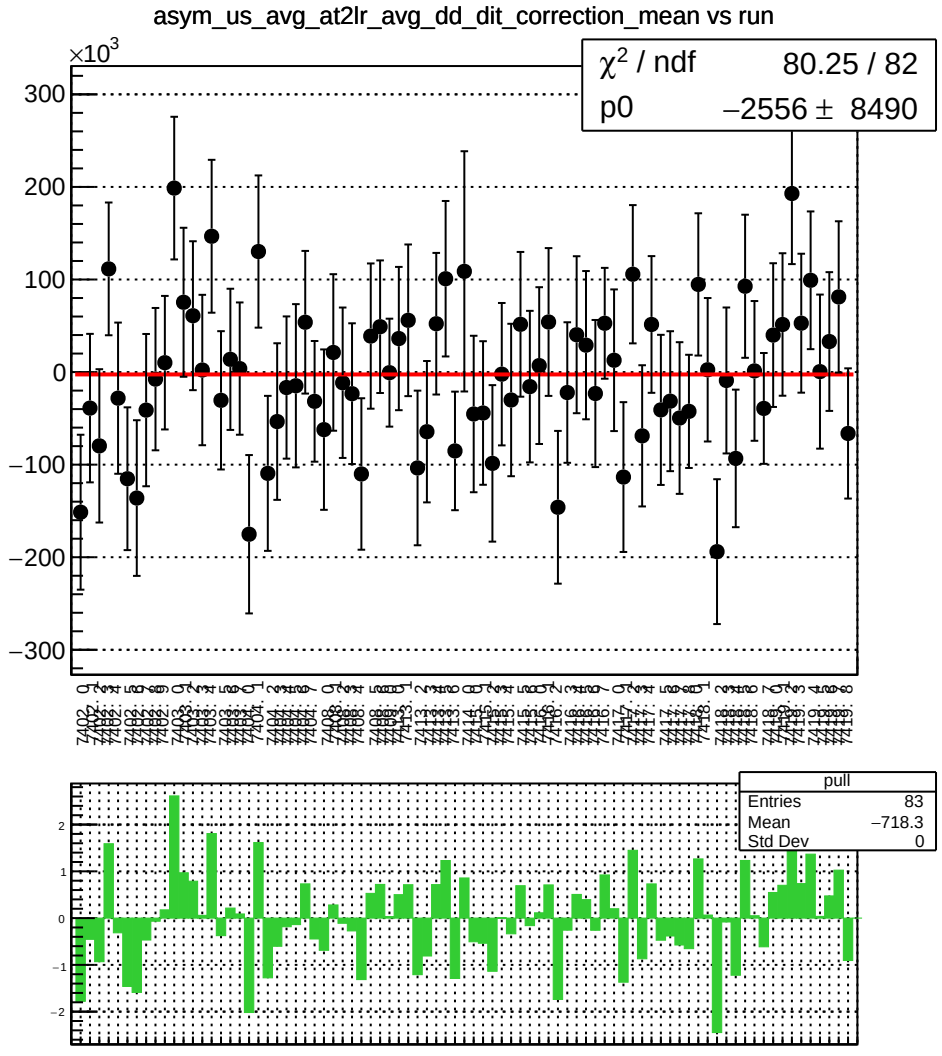

pull1D
Entries 83
Mean −0.00222
Std Dev 0.9818
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

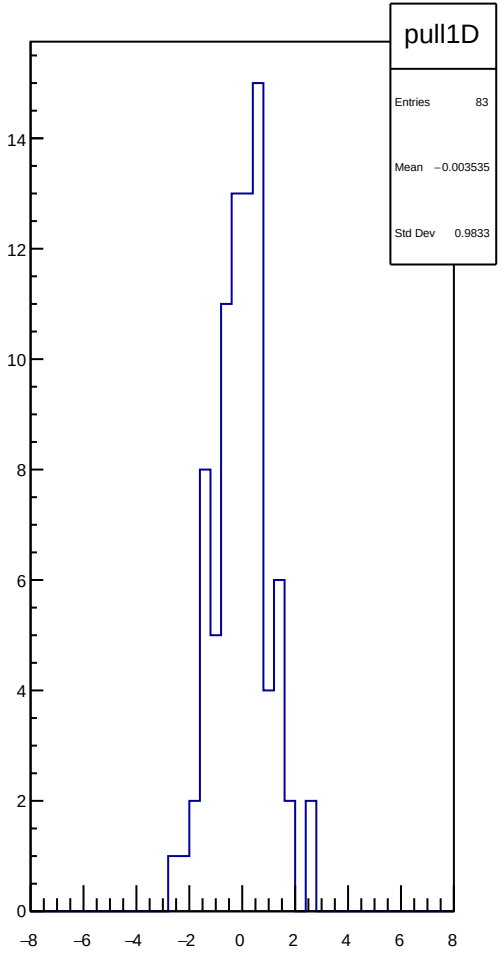

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3543 / 82
p0 7000 ± 5.578
8500
8000
7500
7000
6500

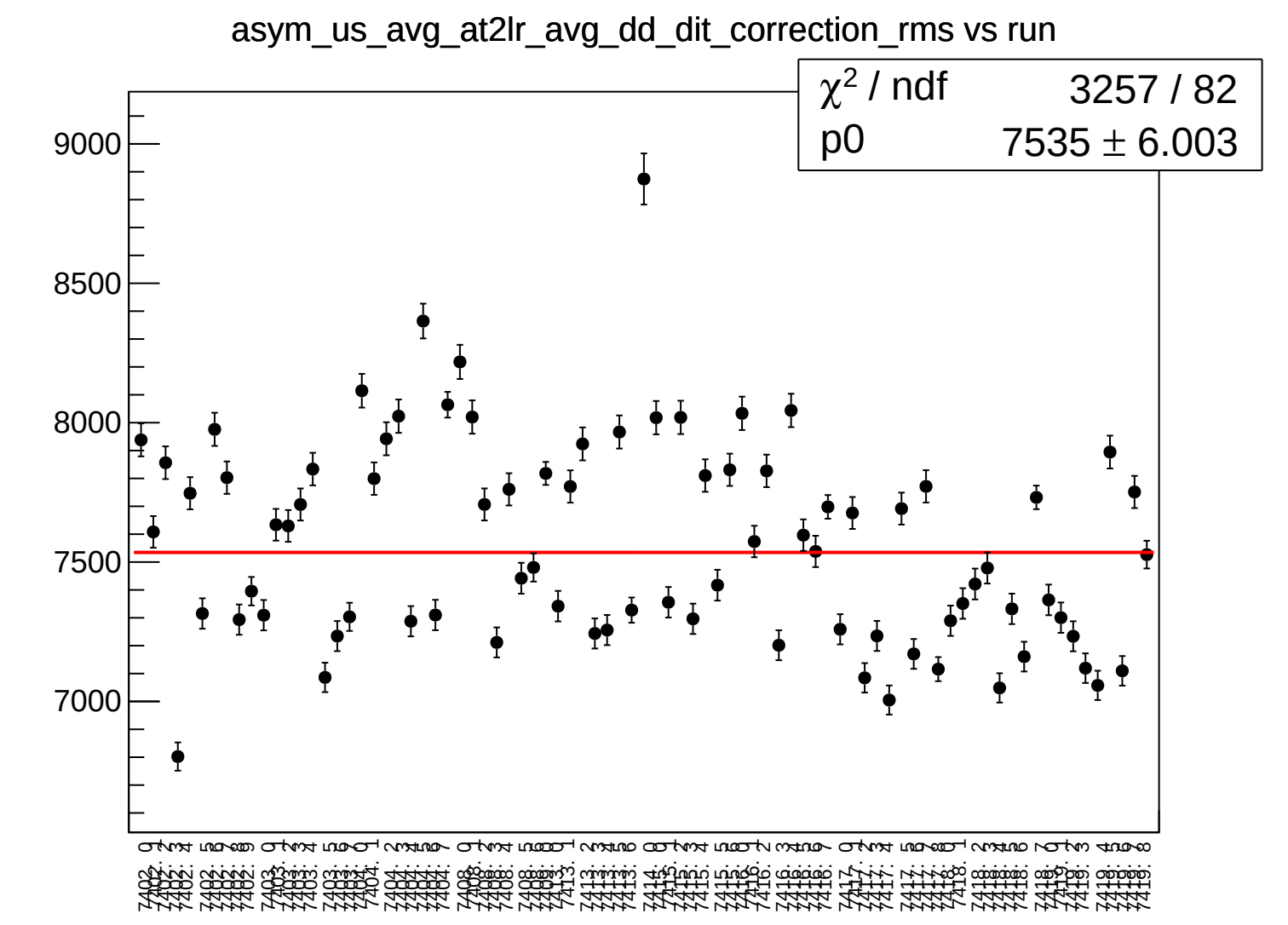

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 77.81 / 82
p0 −186.9 ± 1891
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 131.7
Std Dev 0
2
1
0
−1
−2

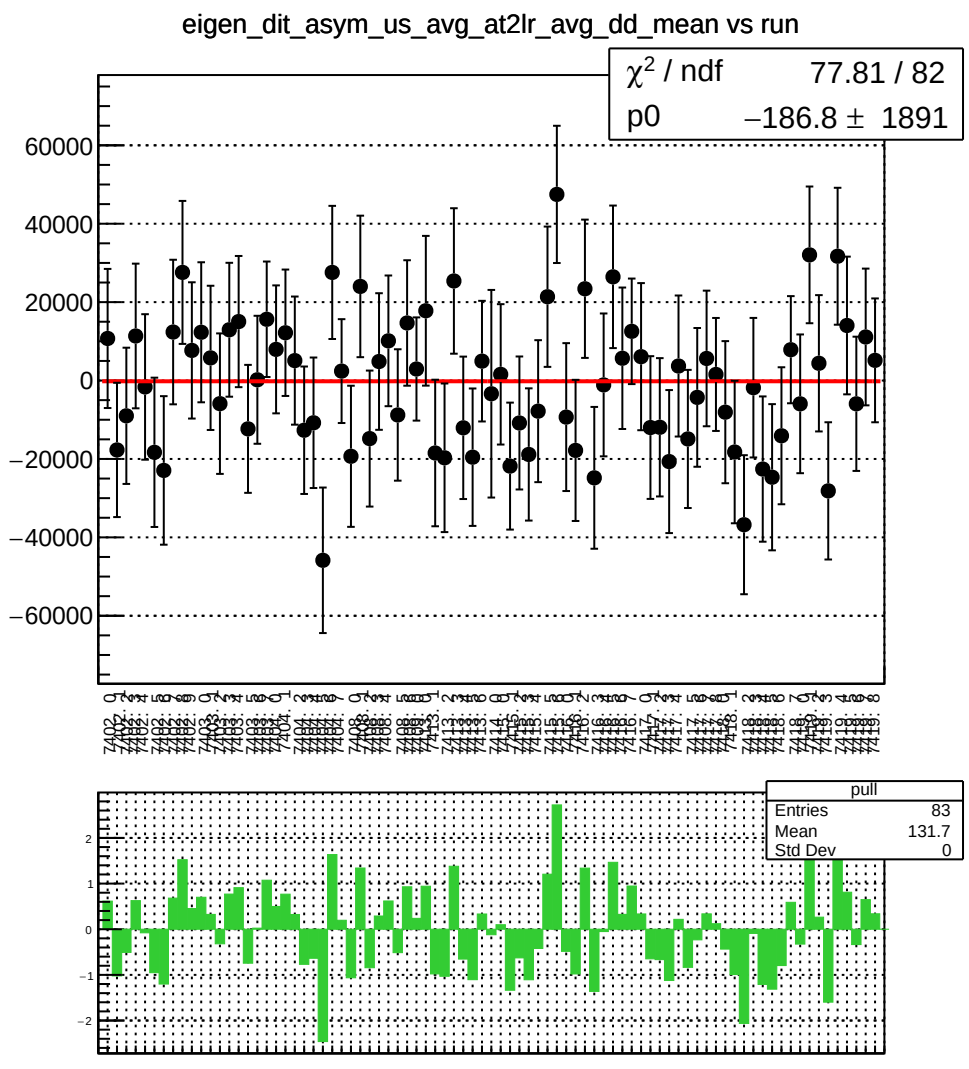

pull1D
Entries 83
Mean −0.01683
Std Dev 0.9681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

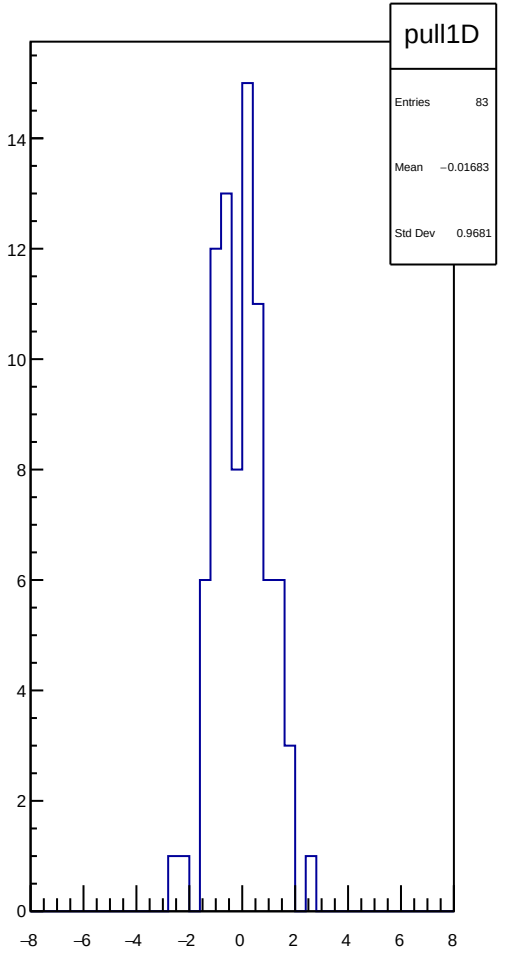

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 3097 / 82
p0 1679 ± 1.337
1850
1800
1750
1700
1650
1600
1550
1500

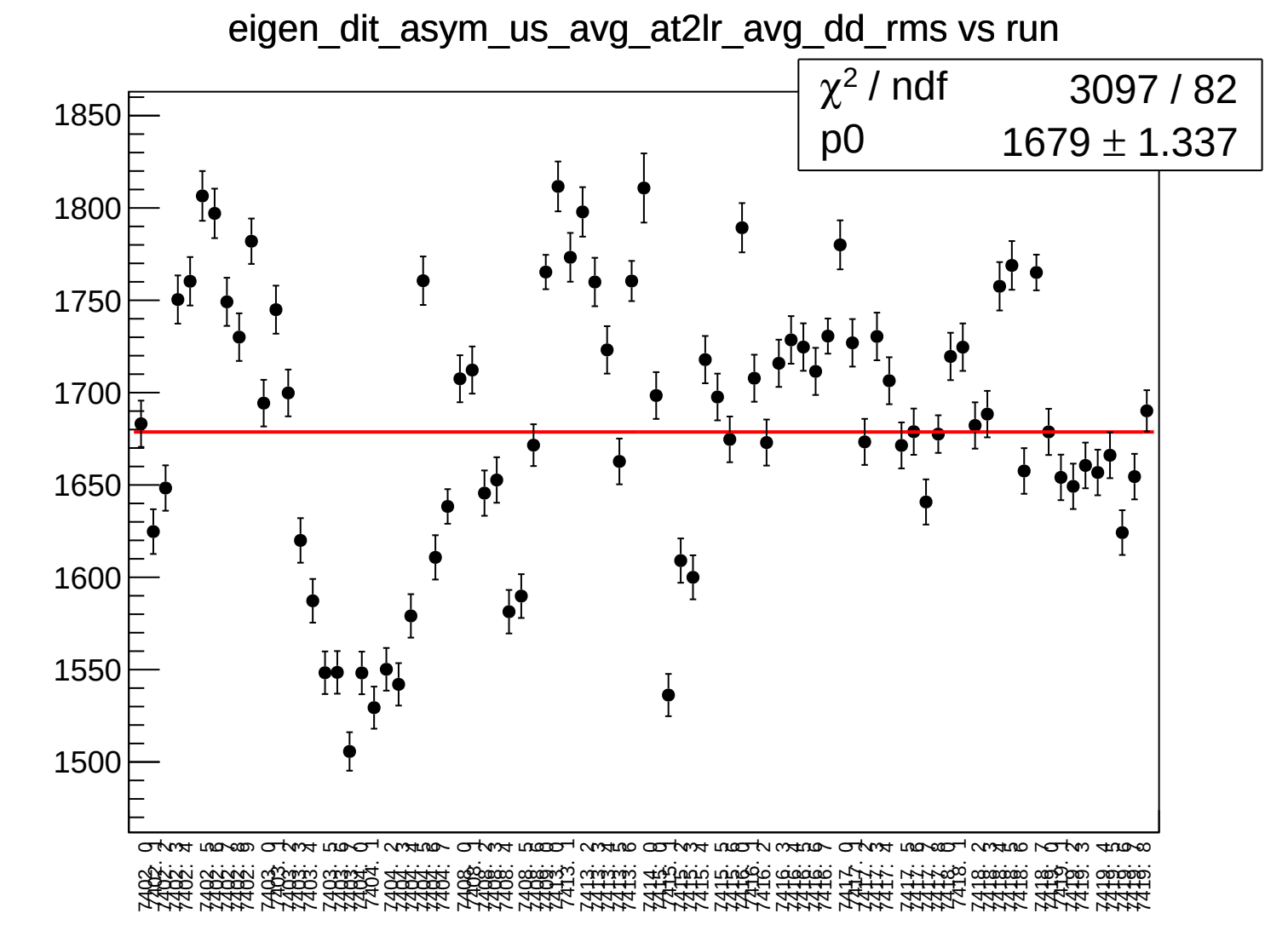

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 80.25 / 82
p0 −2556 ± 8490
pull
Entries 83
Mean −718.3
Std Dev 0

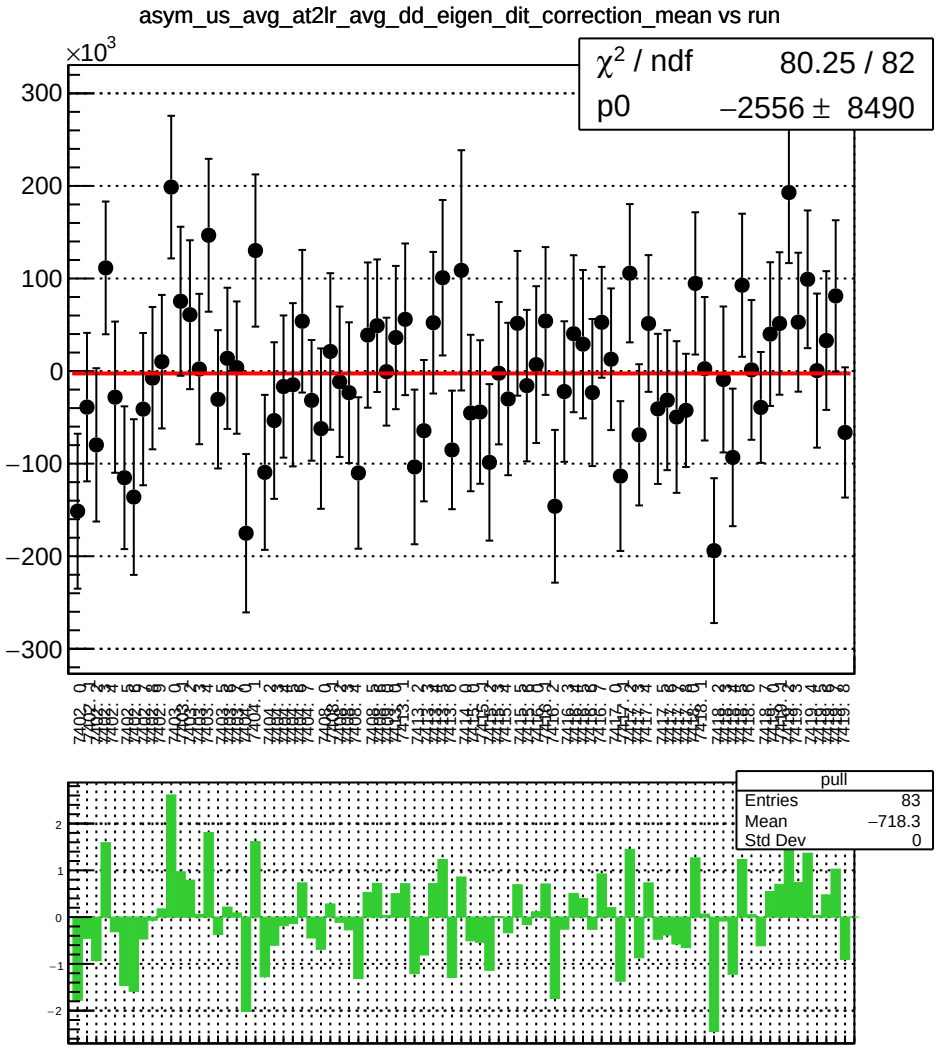

pull1D
Entries 83
Mean −0.003535
Std Dev 0.9833

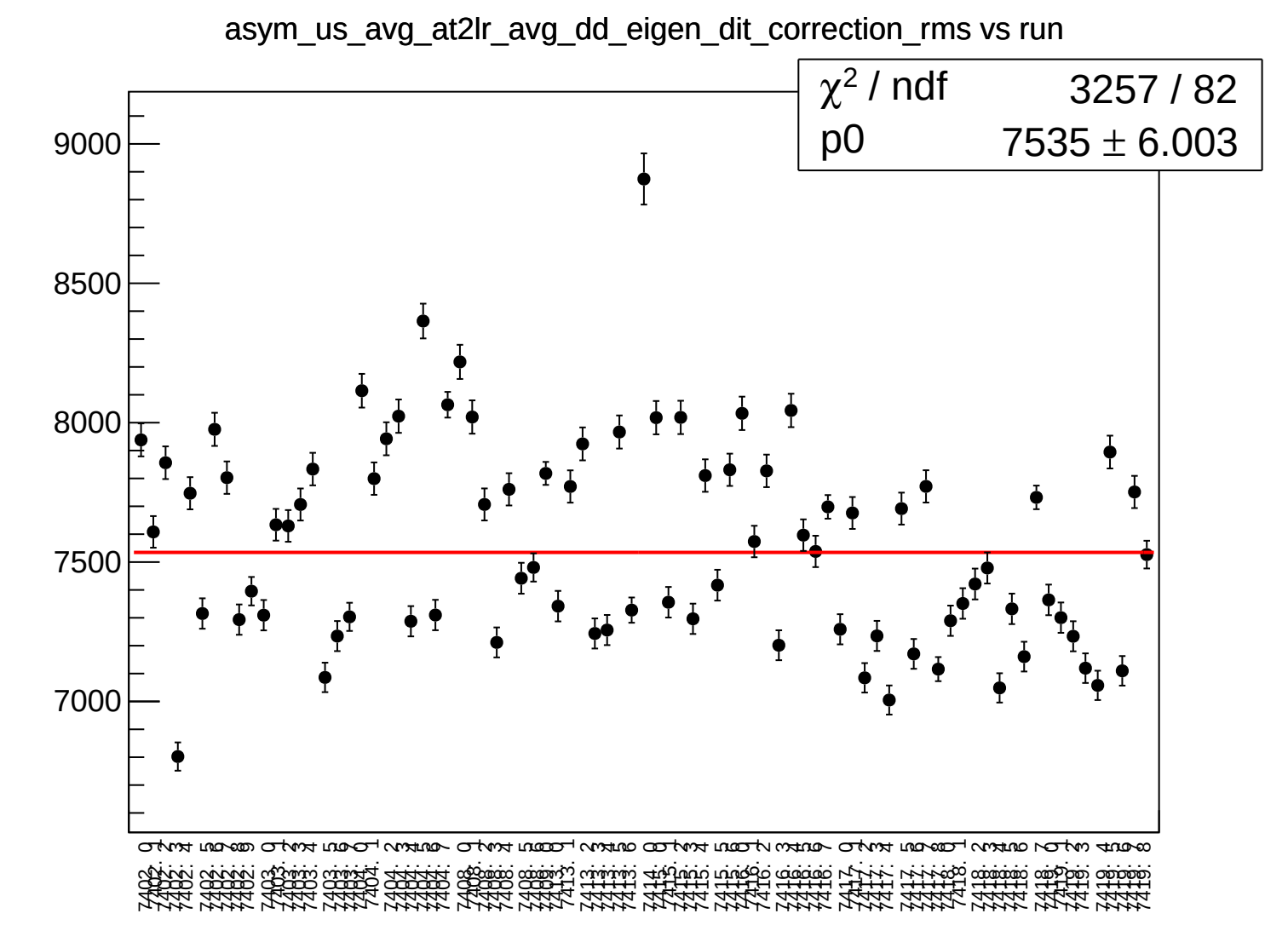

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 3257 / 82
p0 7535 ± 6.003
9000
8500
8000
7500
7000

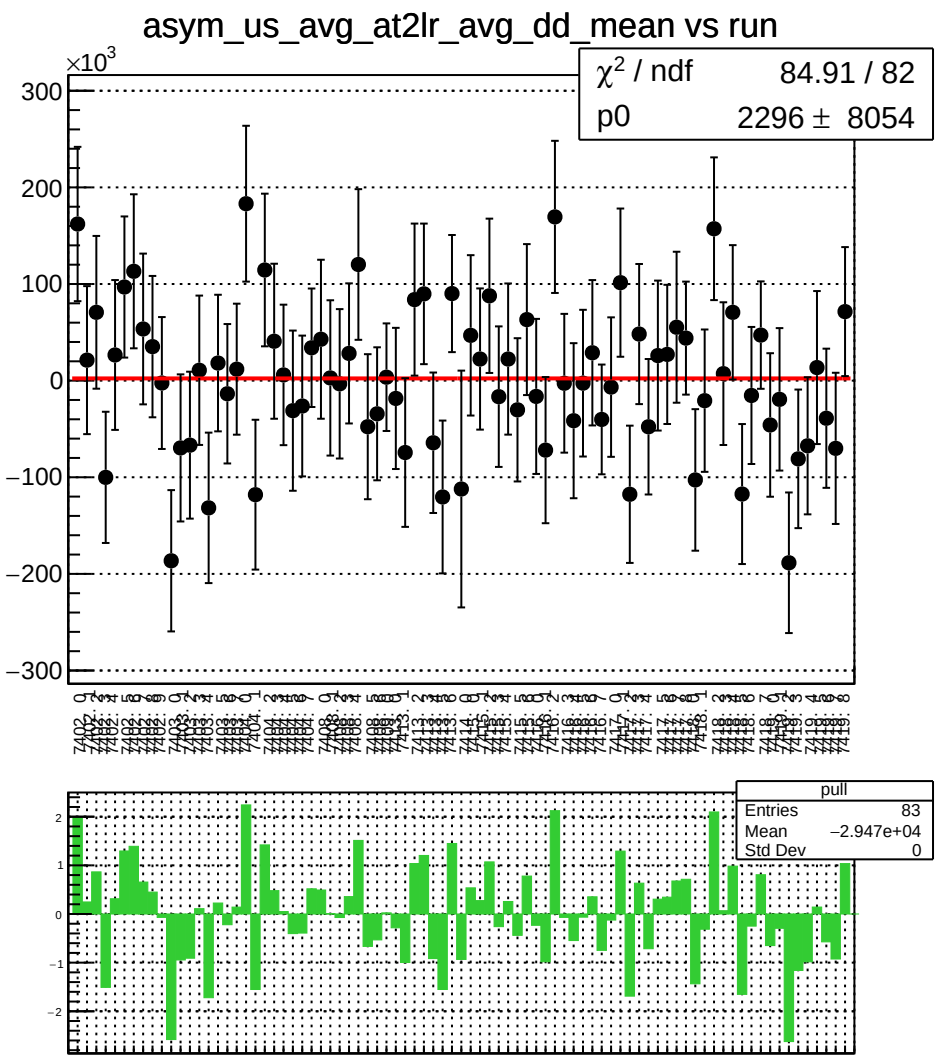

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 77.81 / 82
p0 −186.8 ± 1891
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 131.7
Std Dev 0
2
1
0
−1
−2

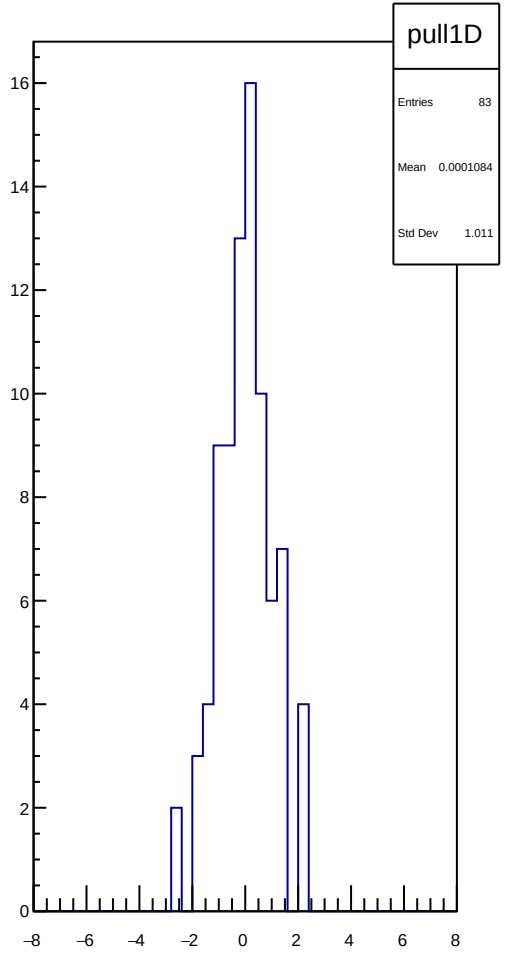

pull1D
Entries 83
Mean −0.01683
Std Dev 0.9681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

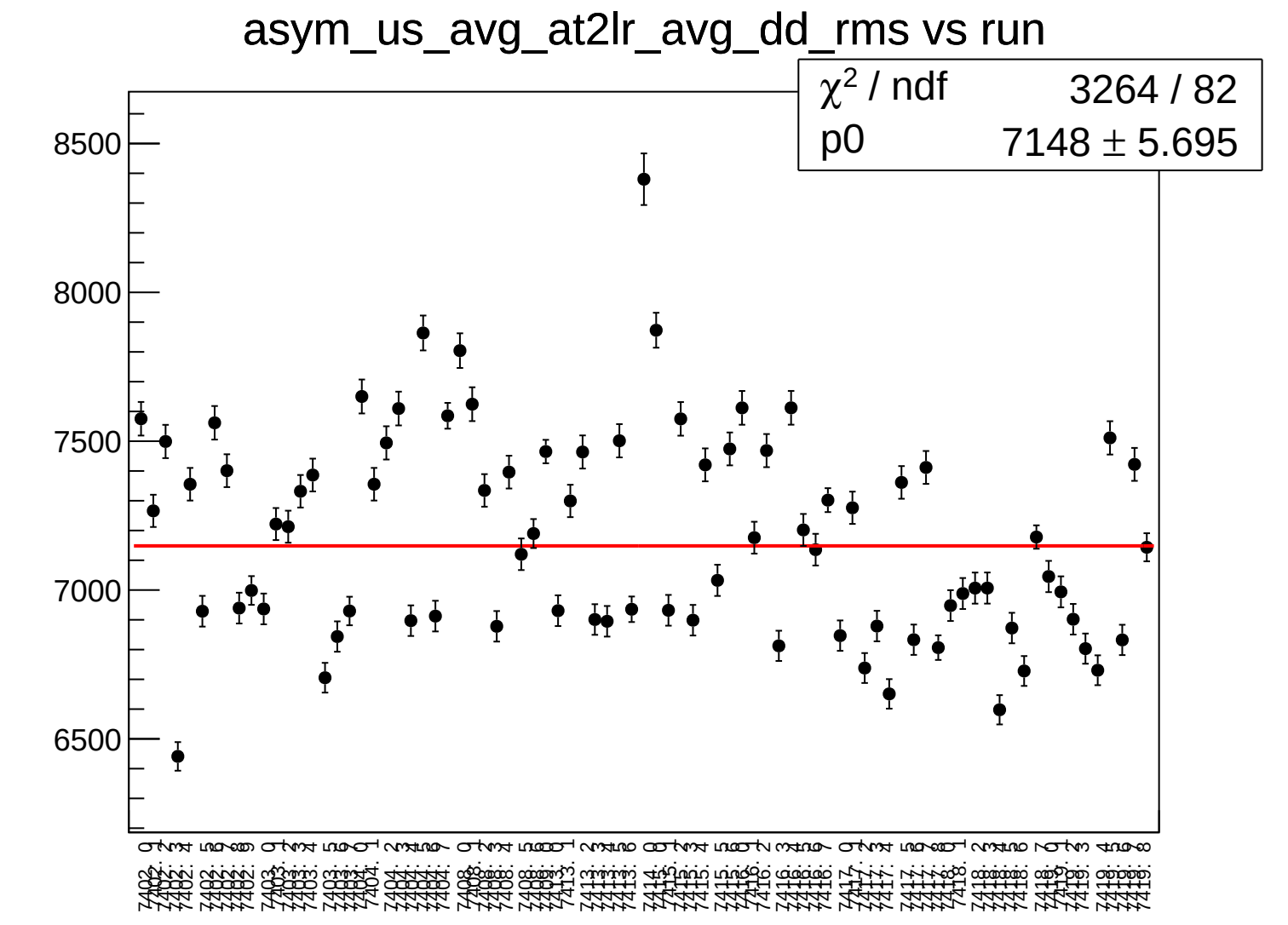

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 3097 / 82
p0 1679 ± 1.337
1850
1800
1750
1700
1650
1600
1550
1500

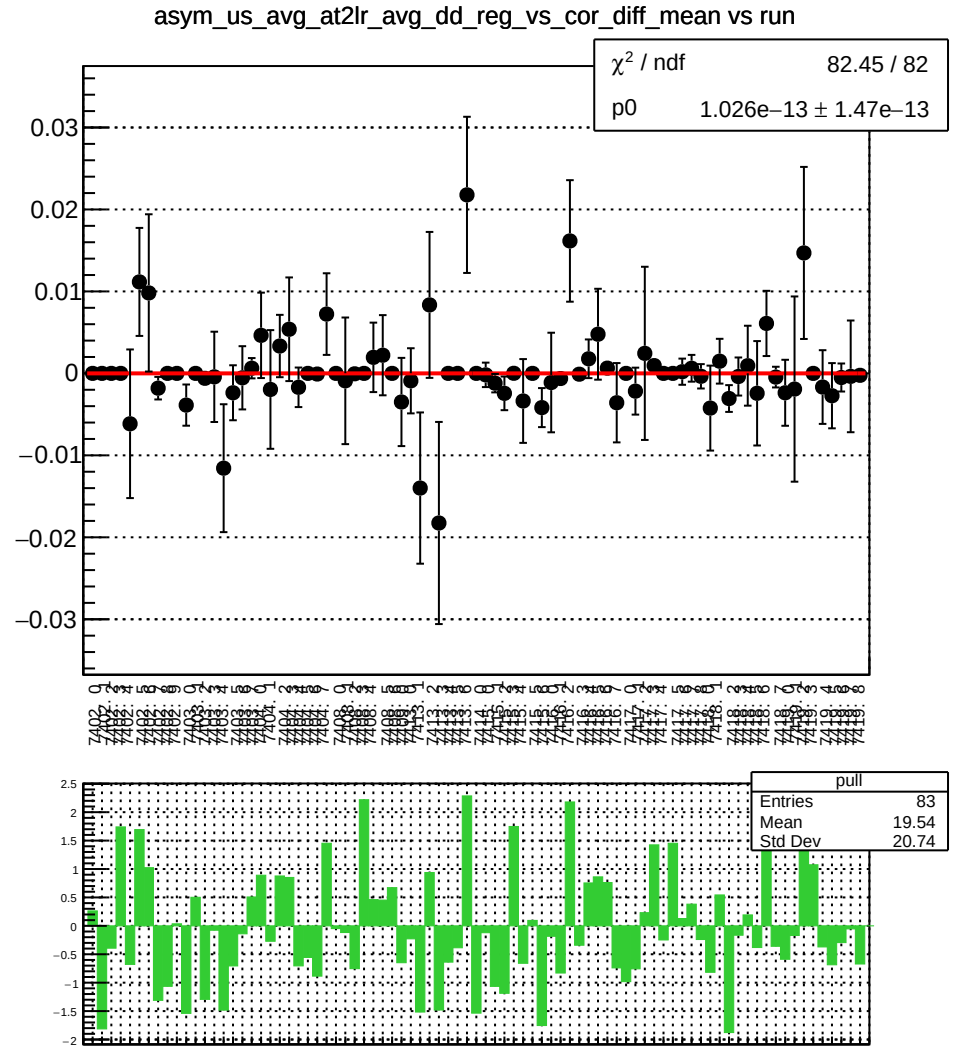

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.25 / 82
p0 −2556 ± 8490
pull
Entries 83
Mean −718.3
Std Dev 0
pull1D
Entries 83
Mean −0.003535
Std Dev 0.9833

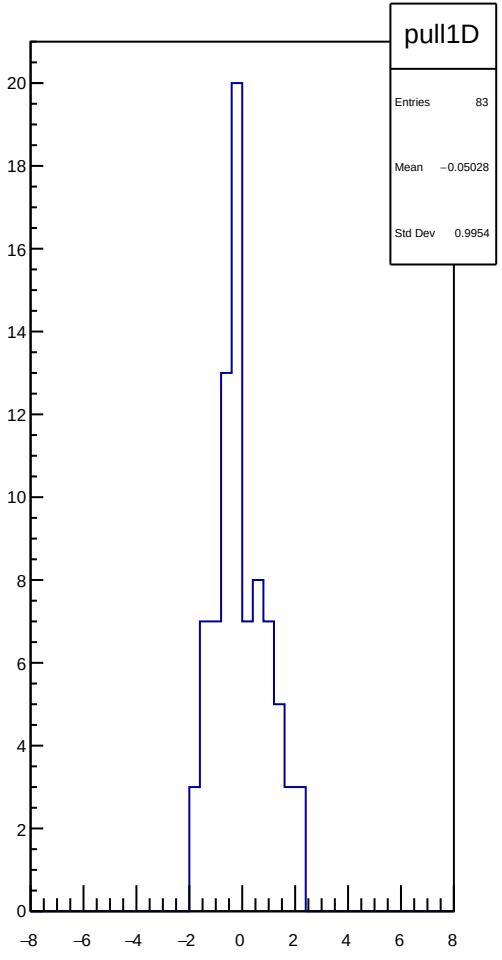

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3257 / 82
p0 7535 ± 6.003
9000
8500
8000
7500
7000

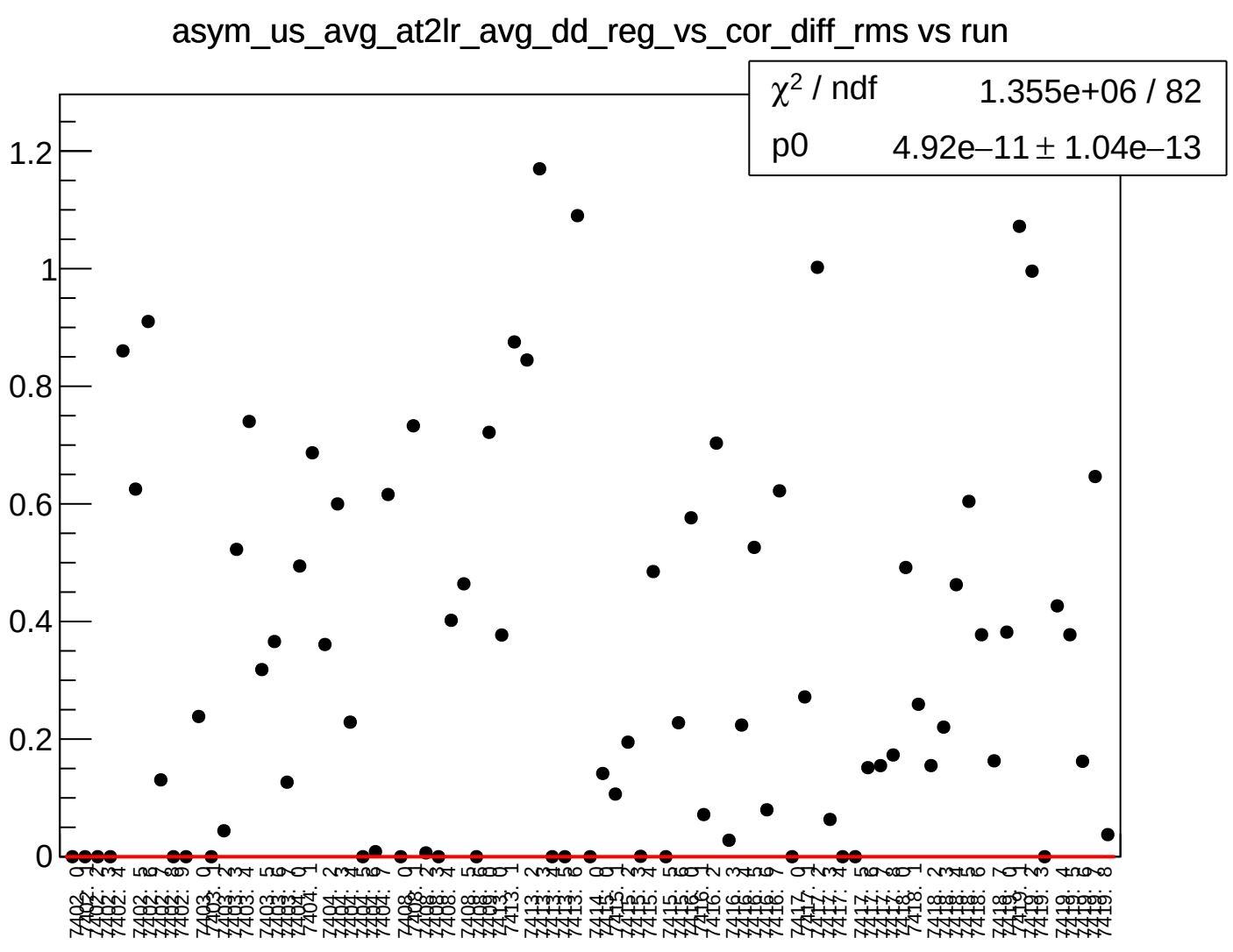

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 84.91 / 82
p0 2296 ± 8054
300
200
100
0
−100
−200
−300
pull
Entries 83
Mean −2.947e+04
Std Dev 0
2
1
0
−1
−2

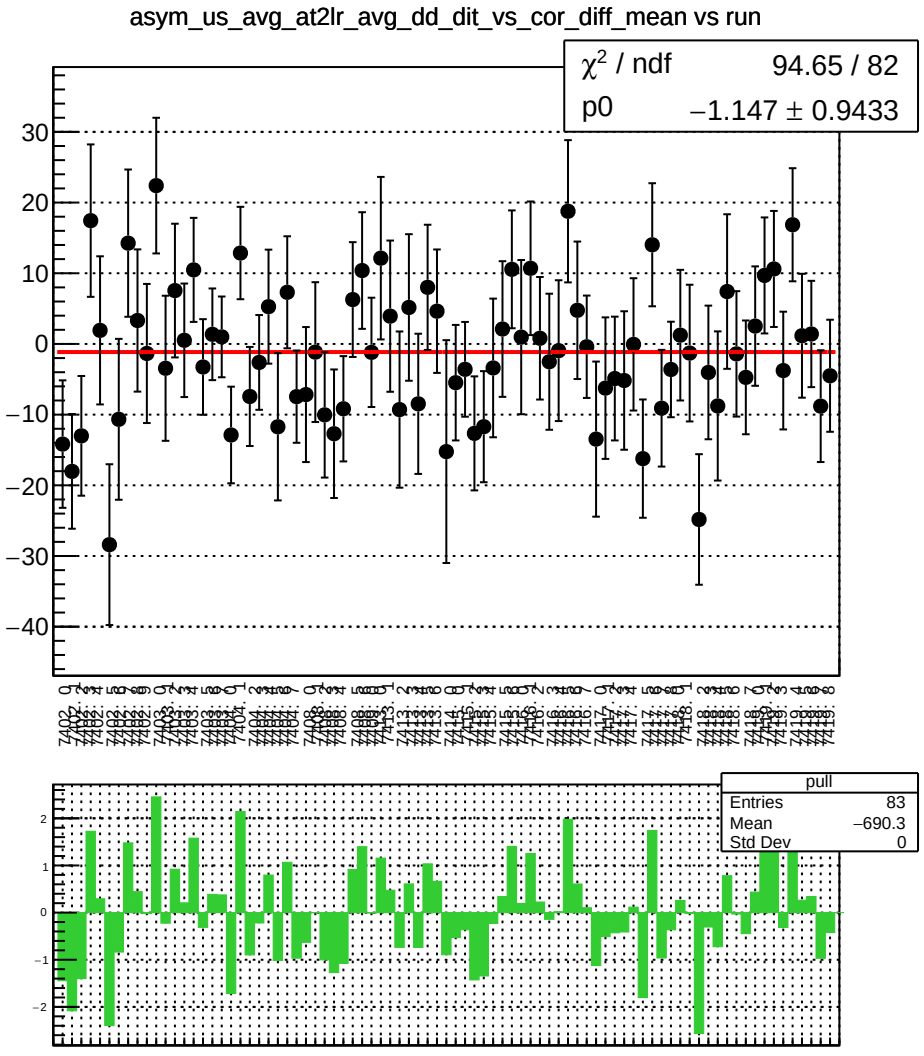

pull1D
Entries 83
Mean 0.0001084
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

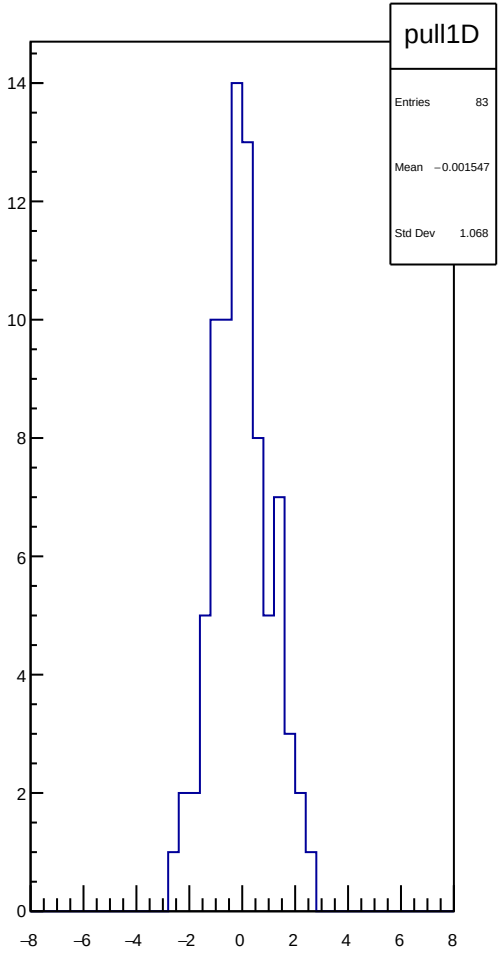

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 3264 / 82
p0 7148 ± 5.695
8500
8000
7500
7000
6500

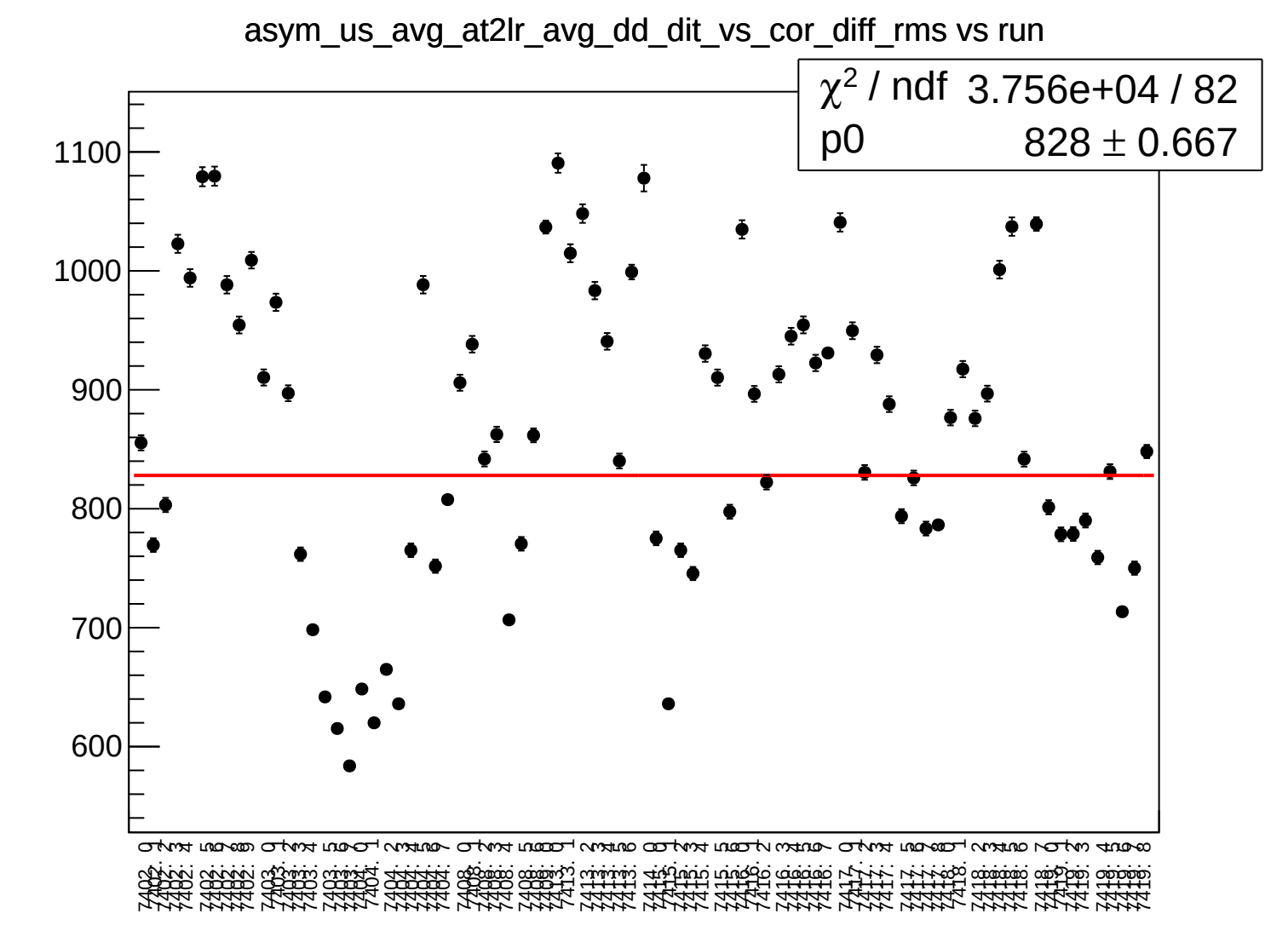

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.45 / 82
p0 1.026e−13 ± 1.47e−13
pull
Entries 83
Mean 19.54
Std Dev 20.74

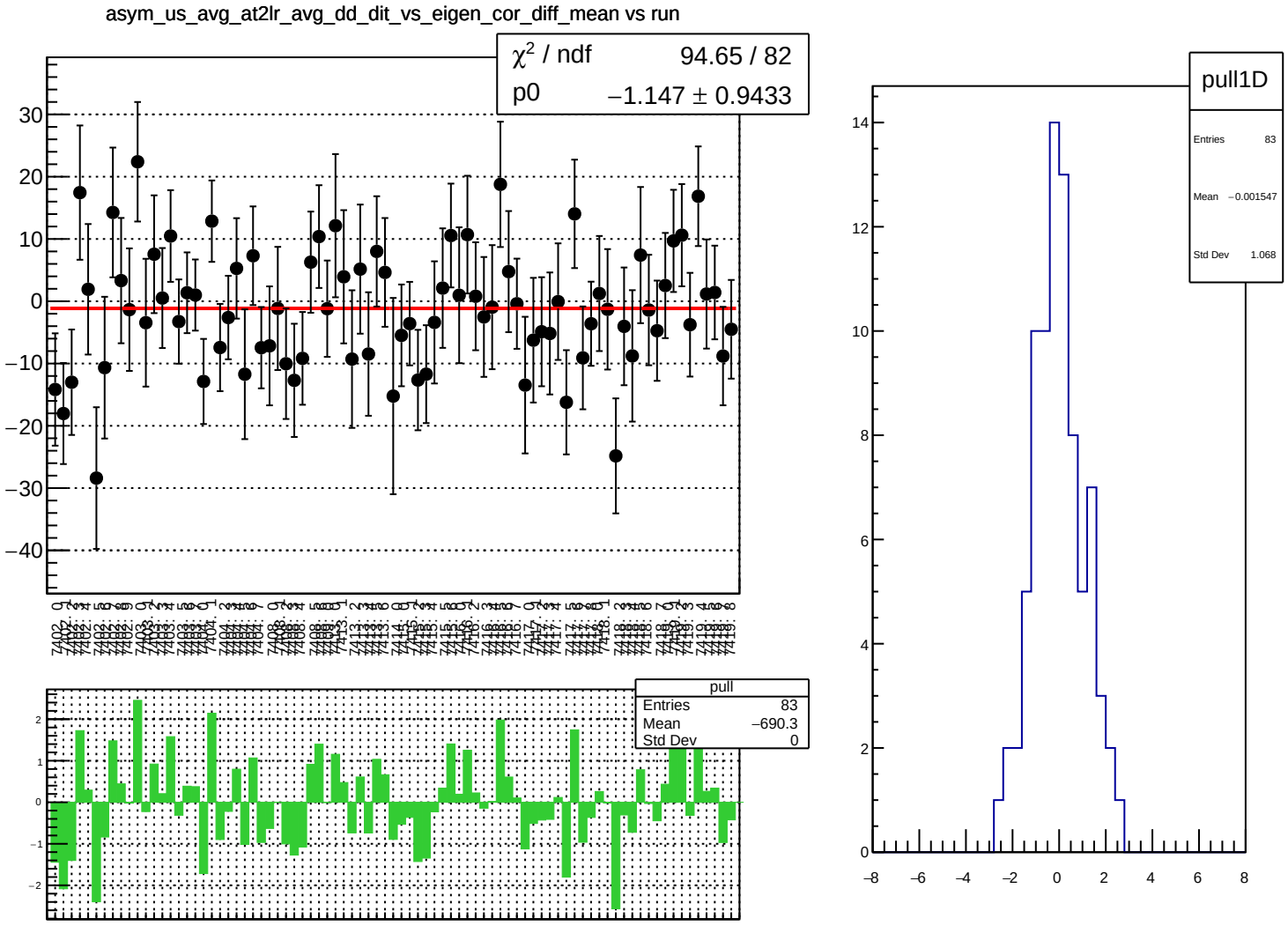

pull1D
Entries 83
Mean −0.05028
Std Dev 0.9954

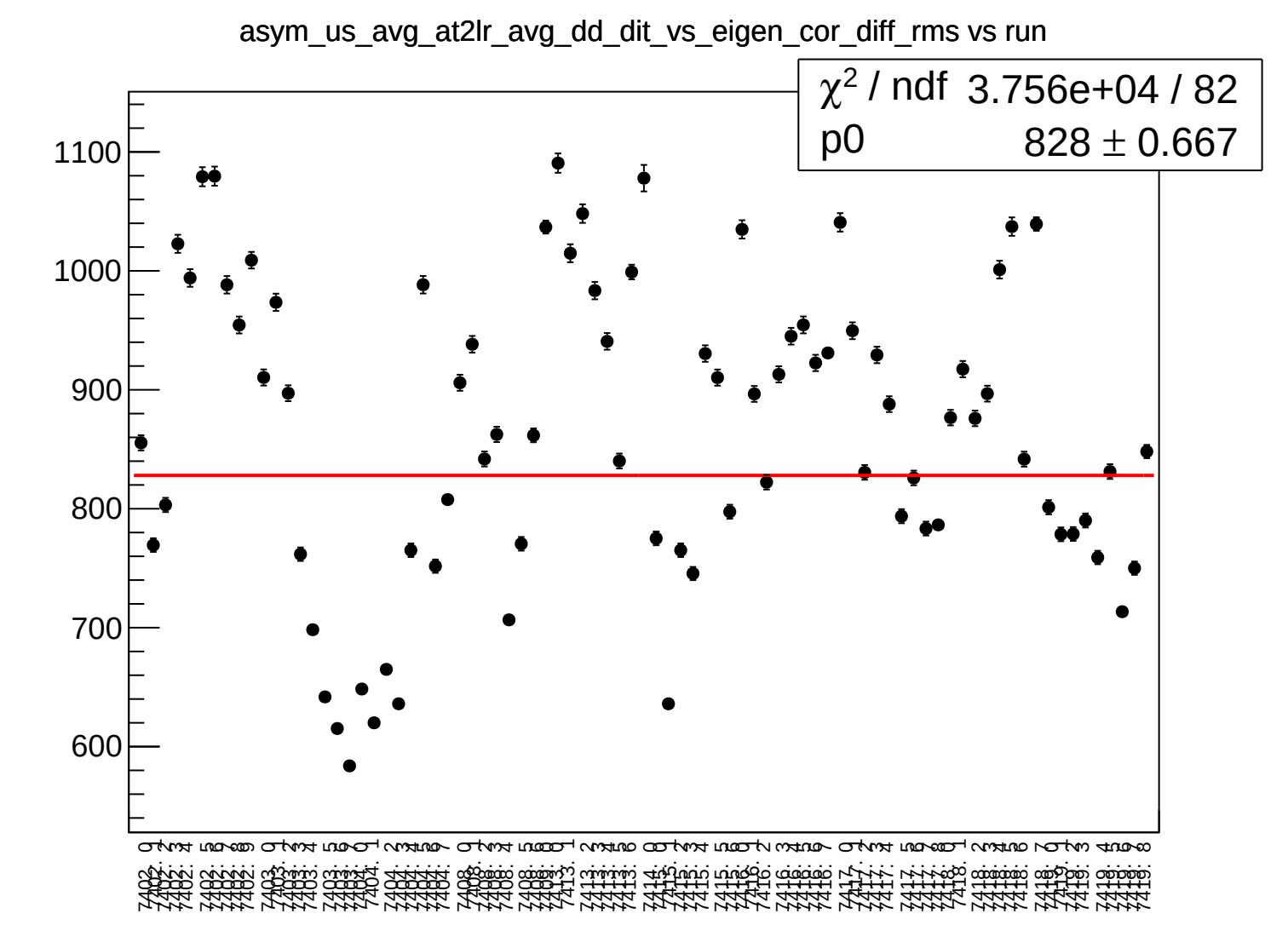

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.355e+06 / 82
p0 4.92e−11 ± 1.04e−13
1.2
1
0.8
0.6
0.4
0.2
0

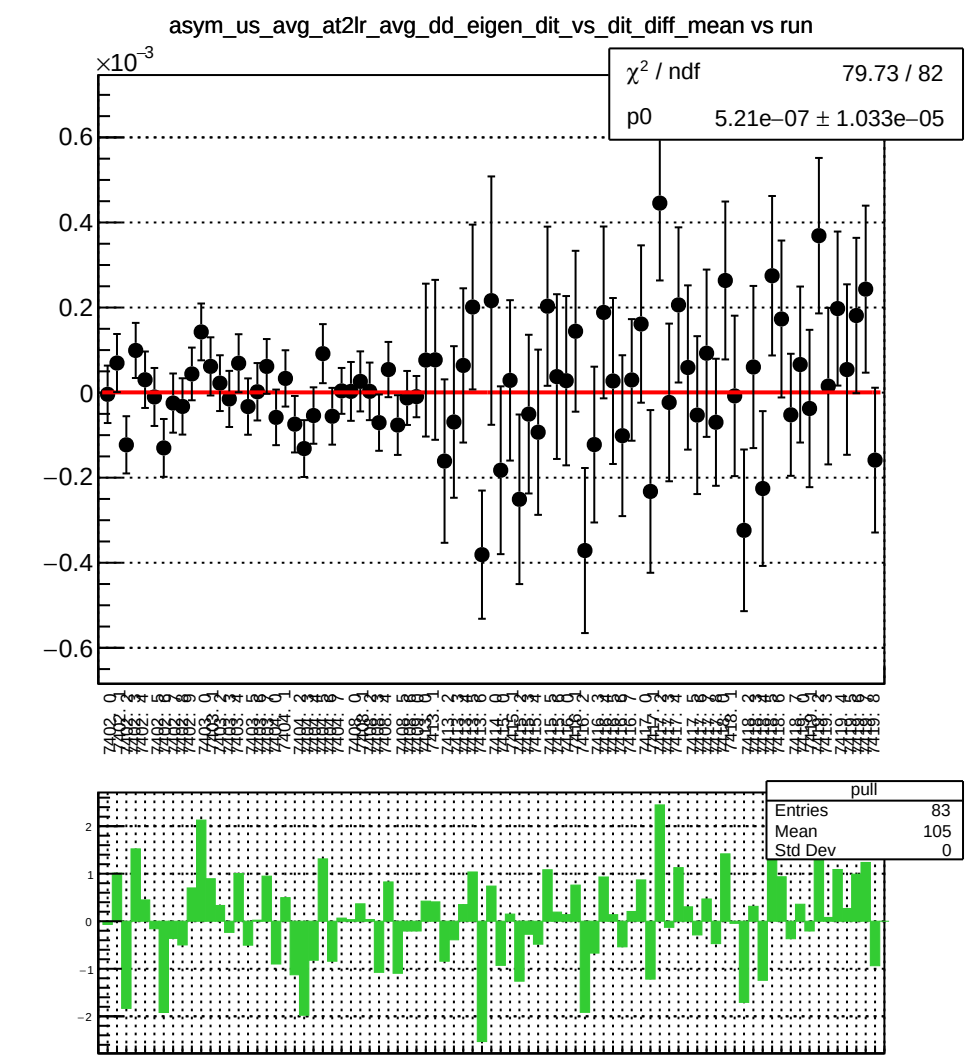

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 94.65 / 82
p0 −1.147 ± 0.9433
pull
Entries 83
Mean −690.3
Std Dev 0

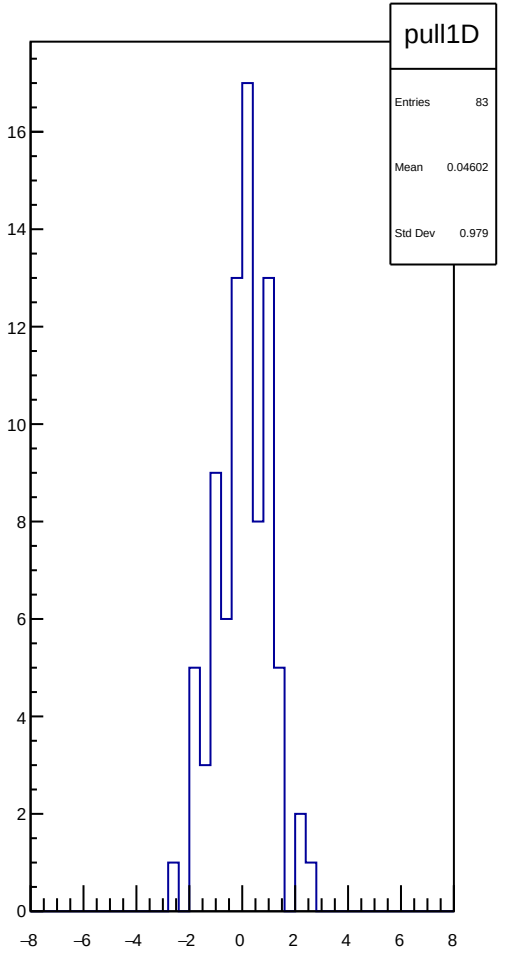

pull1D
Entries 83
Mean −0.001547
Std Dev 1.068

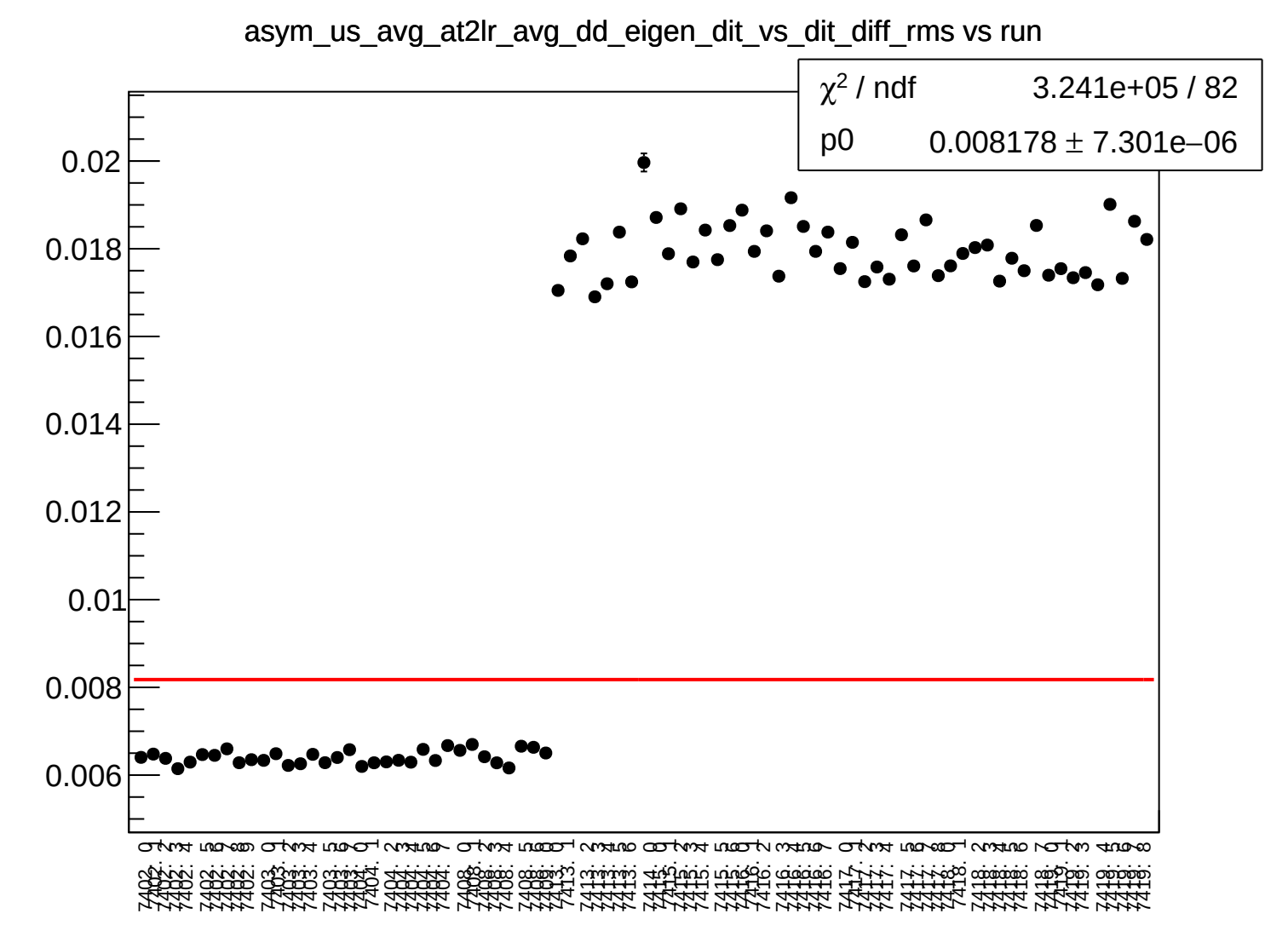

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.756e+04 / 82
p0 828 ± 0.667
1100
1000
900
800
700
600

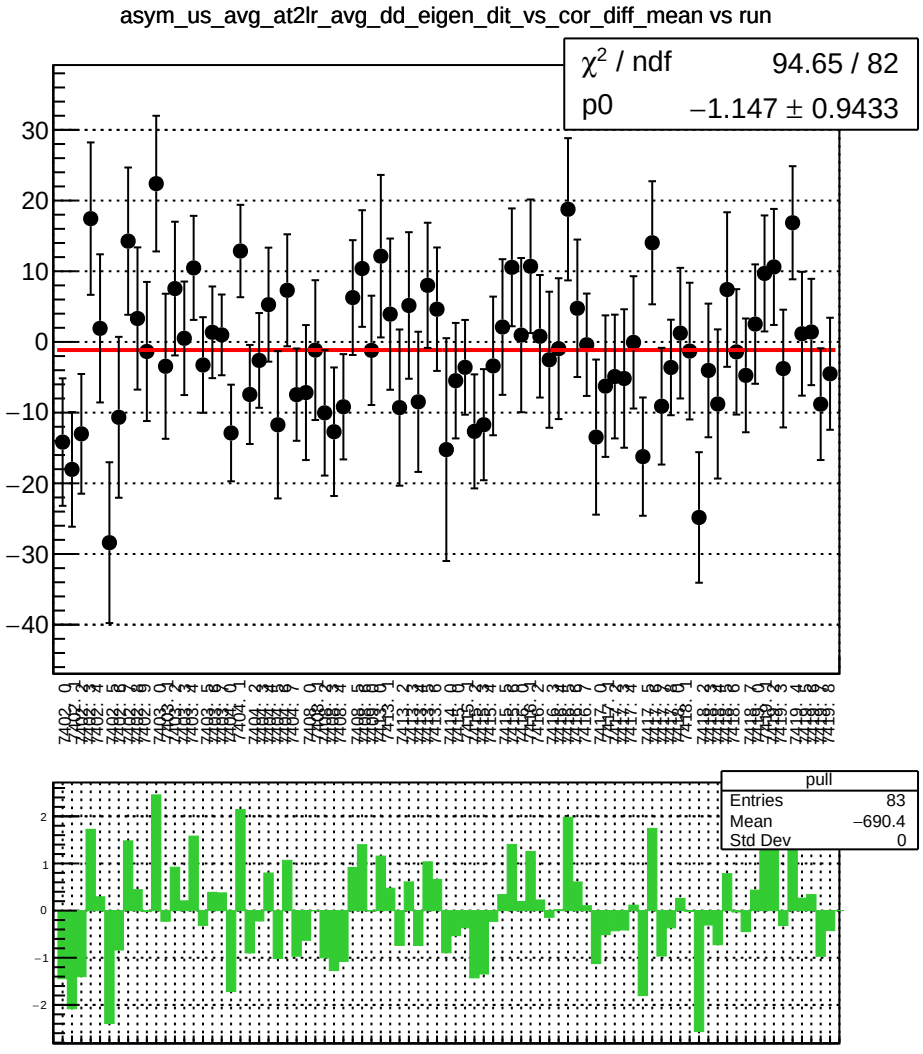

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.65 / 82
p0 −1.147 ± 0.9433
pull
Entries 83
Mean −690.3
Std Dev 0
pull1D
Entries 83
Mean −0.001547
Std Dev 1.068

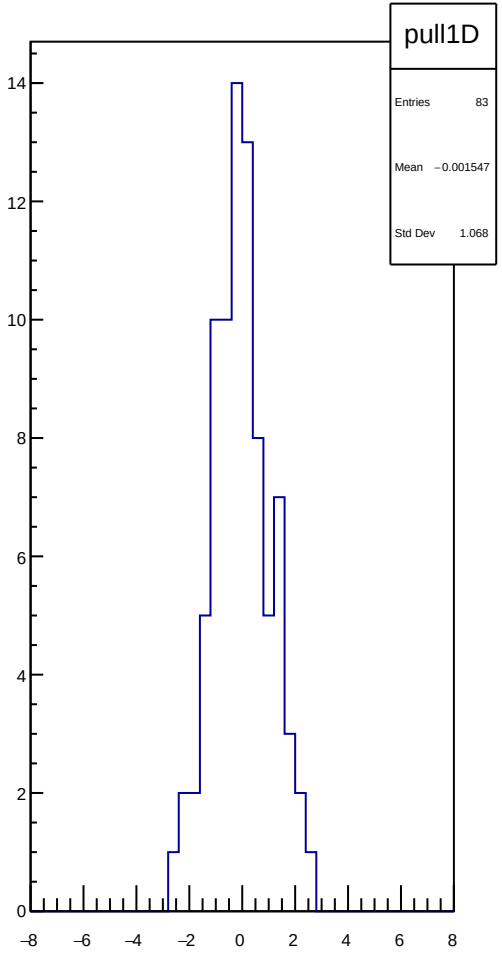

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.756e+04 / 82
p0 828 ± 0.667
1100
1000
900
800
700
600

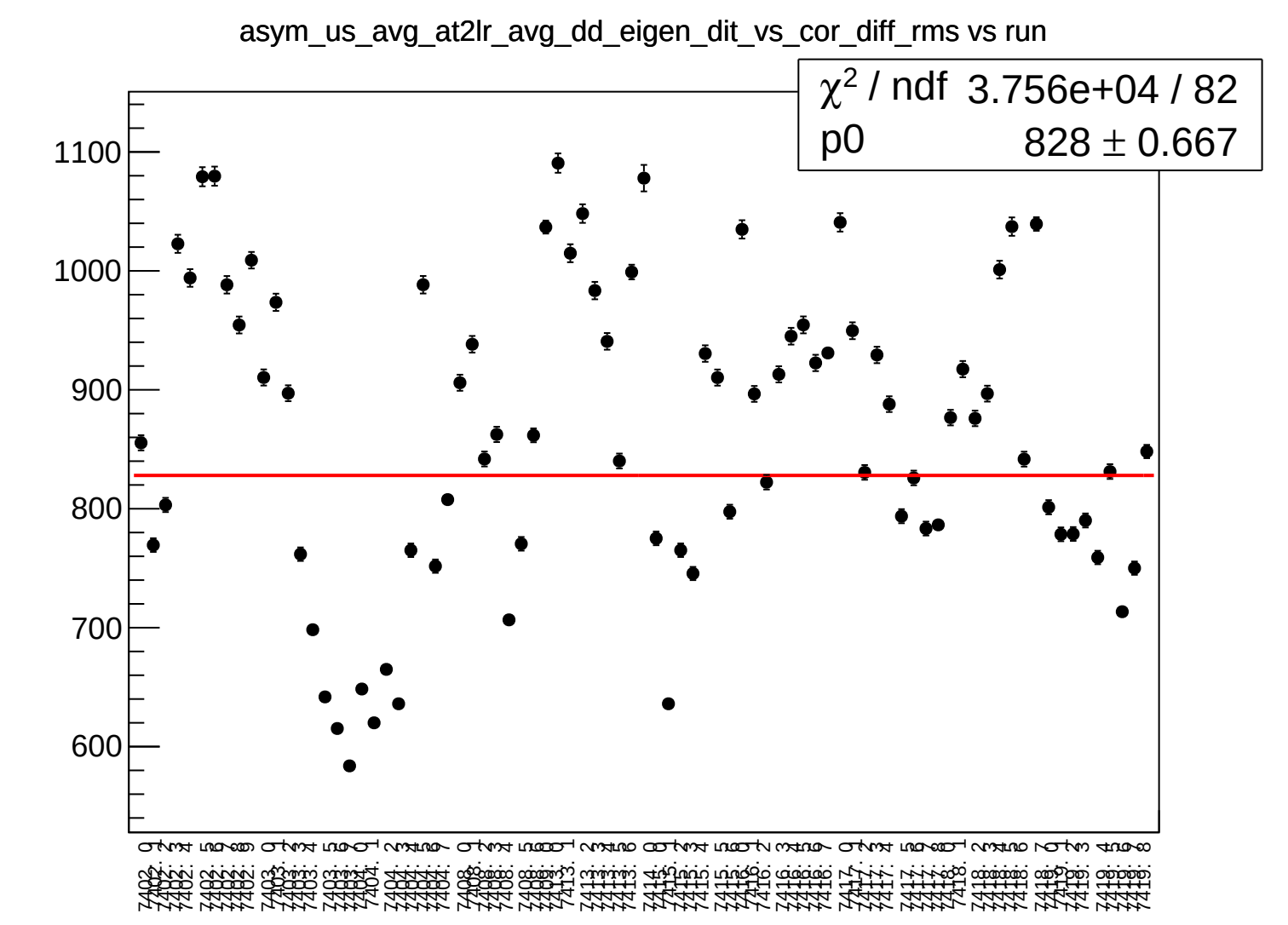

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.73 / 82
p0 5.21e−07 ± 1.033e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 83
Mean 105
Std Dev 0
2
1
0
−1
−2

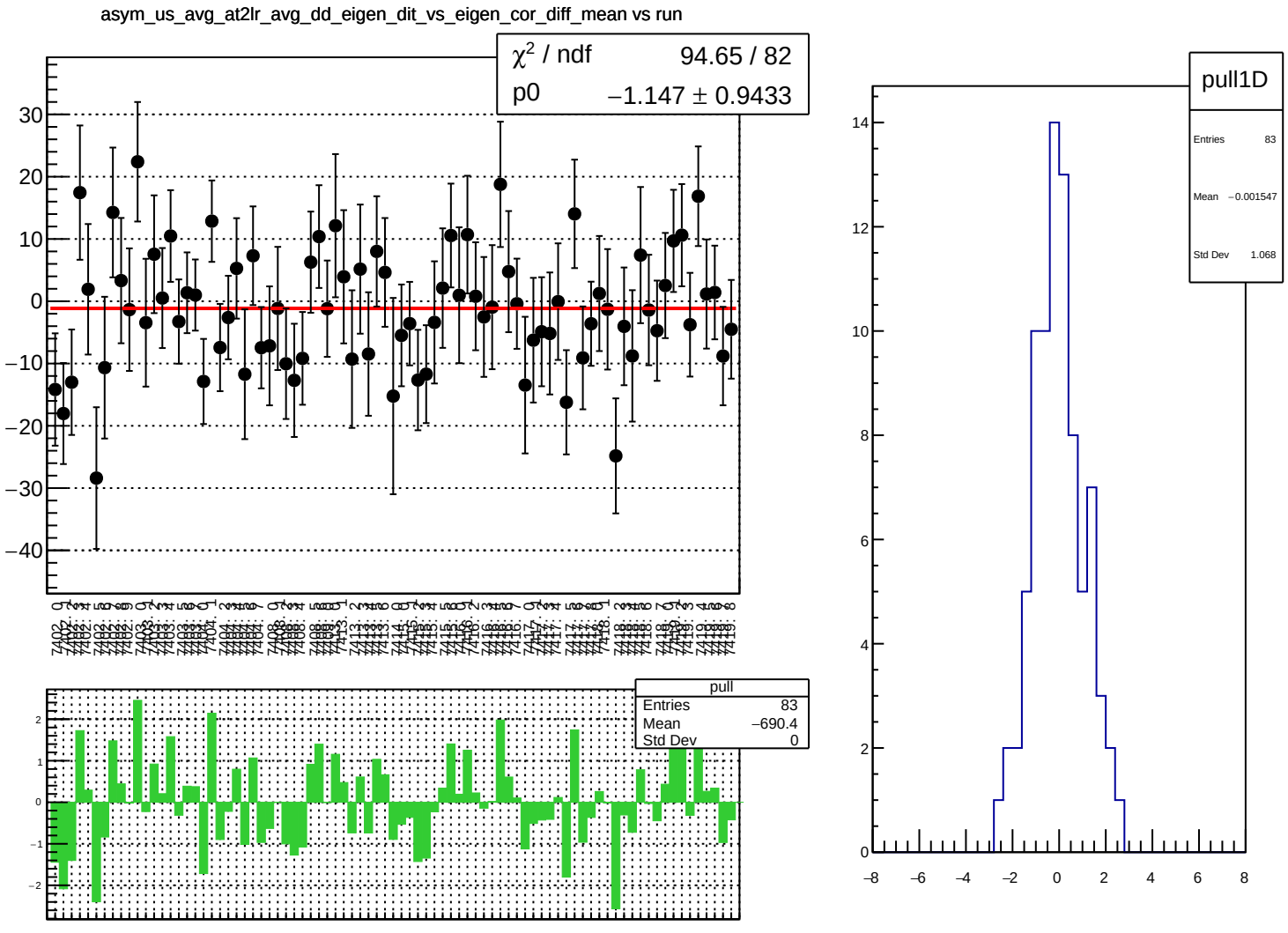

pull1D
Entries 83
Mean 0.04602
Std Dev 0.979
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

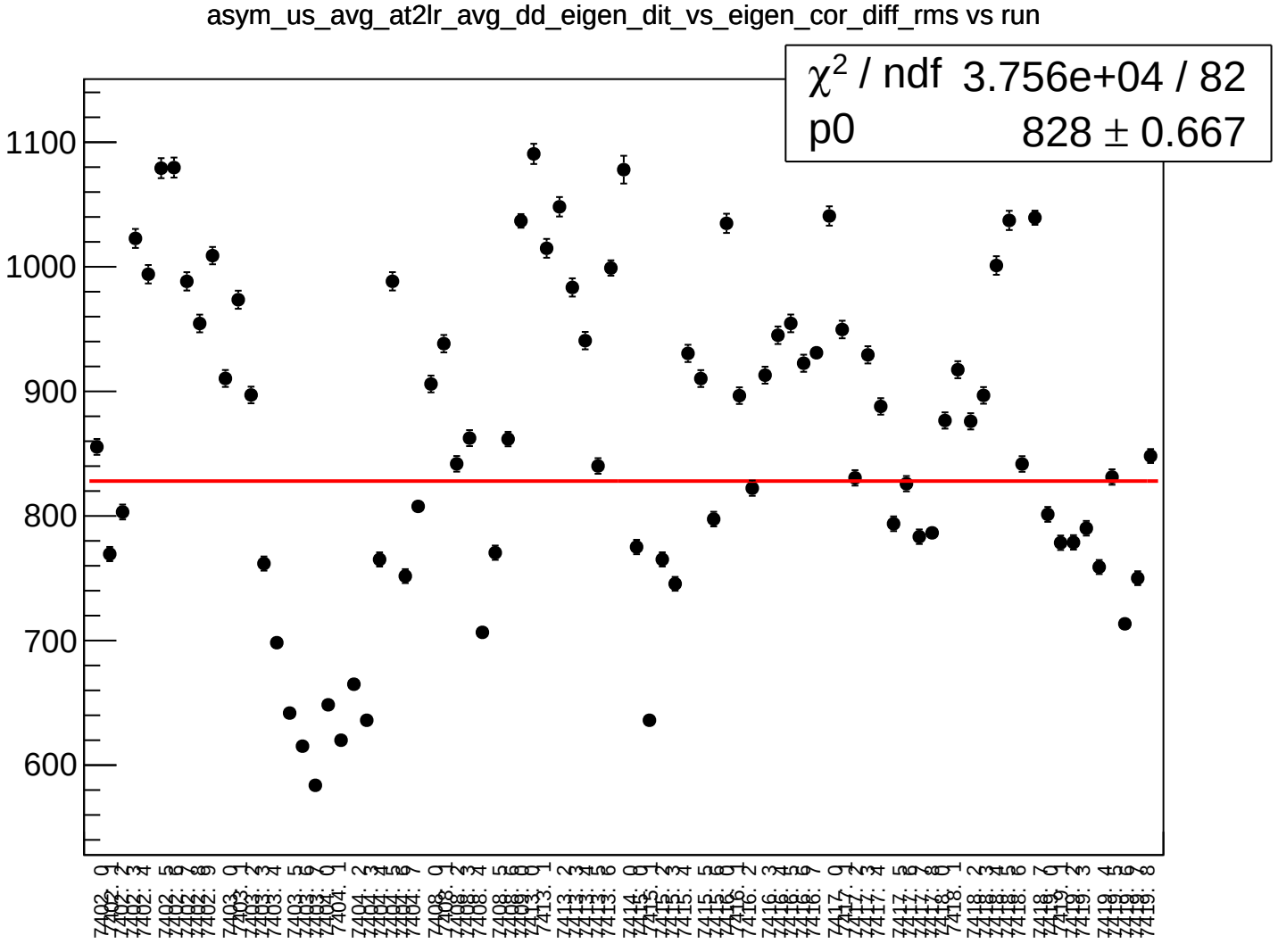

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ^2 / ndf 3.241e+05 / 82
p0 0.008178 ± 7.301e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

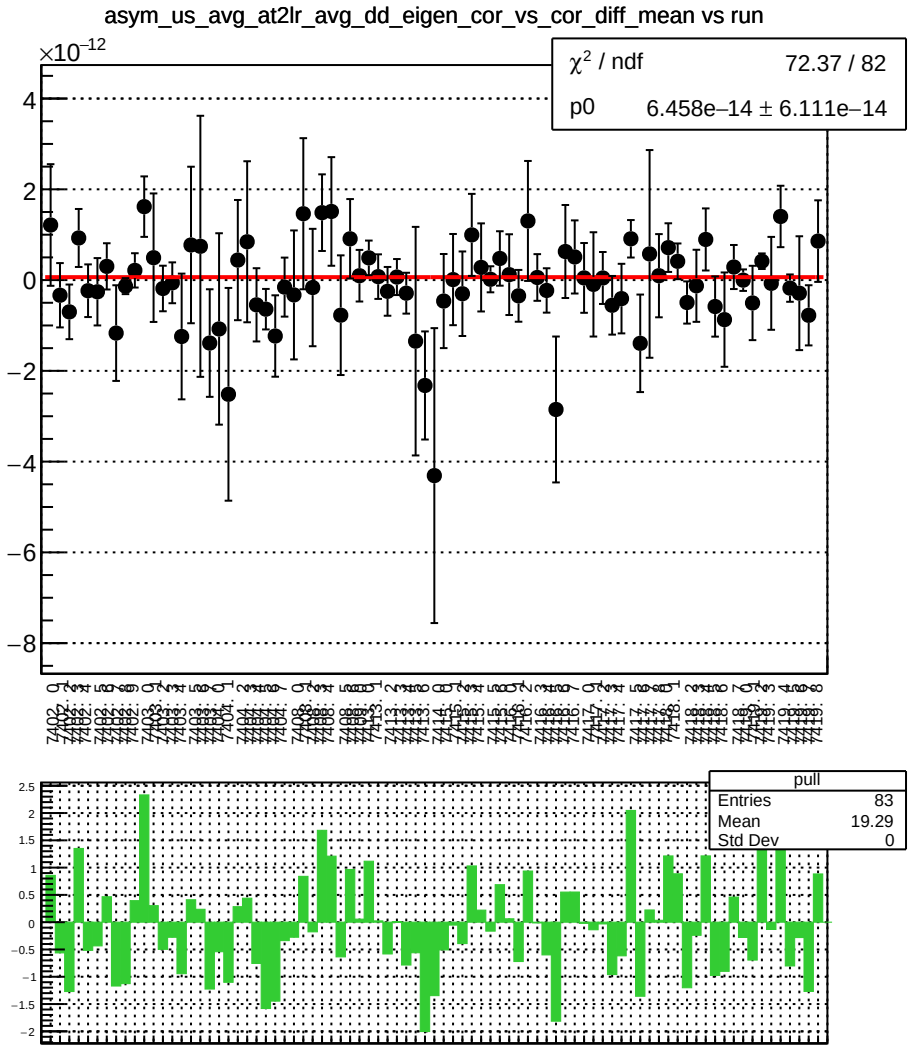

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.65 / 82
p0 −1.147 ± 0.9433
pull
Entries 83
Mean −690.4
Std Dev 0

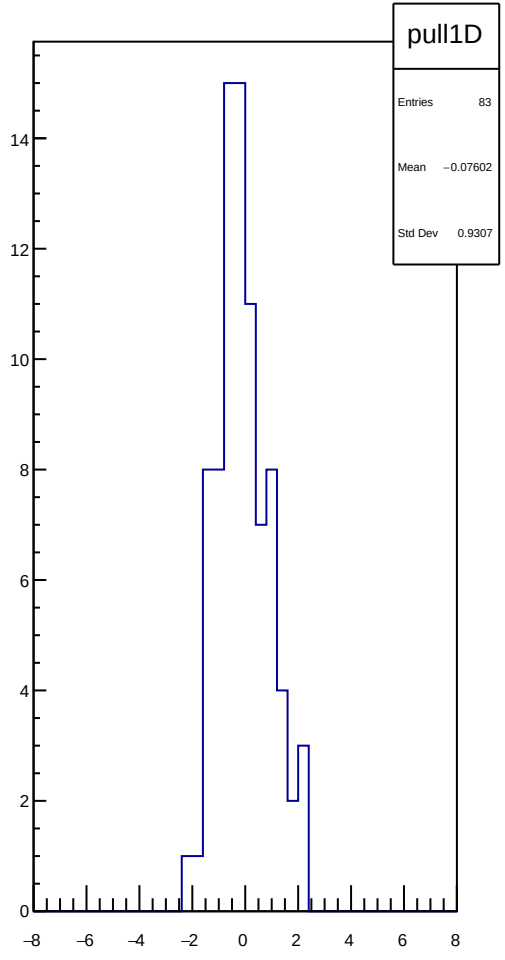

pull1D
Entries 83
Mean −0.001547
Std Dev 1.068

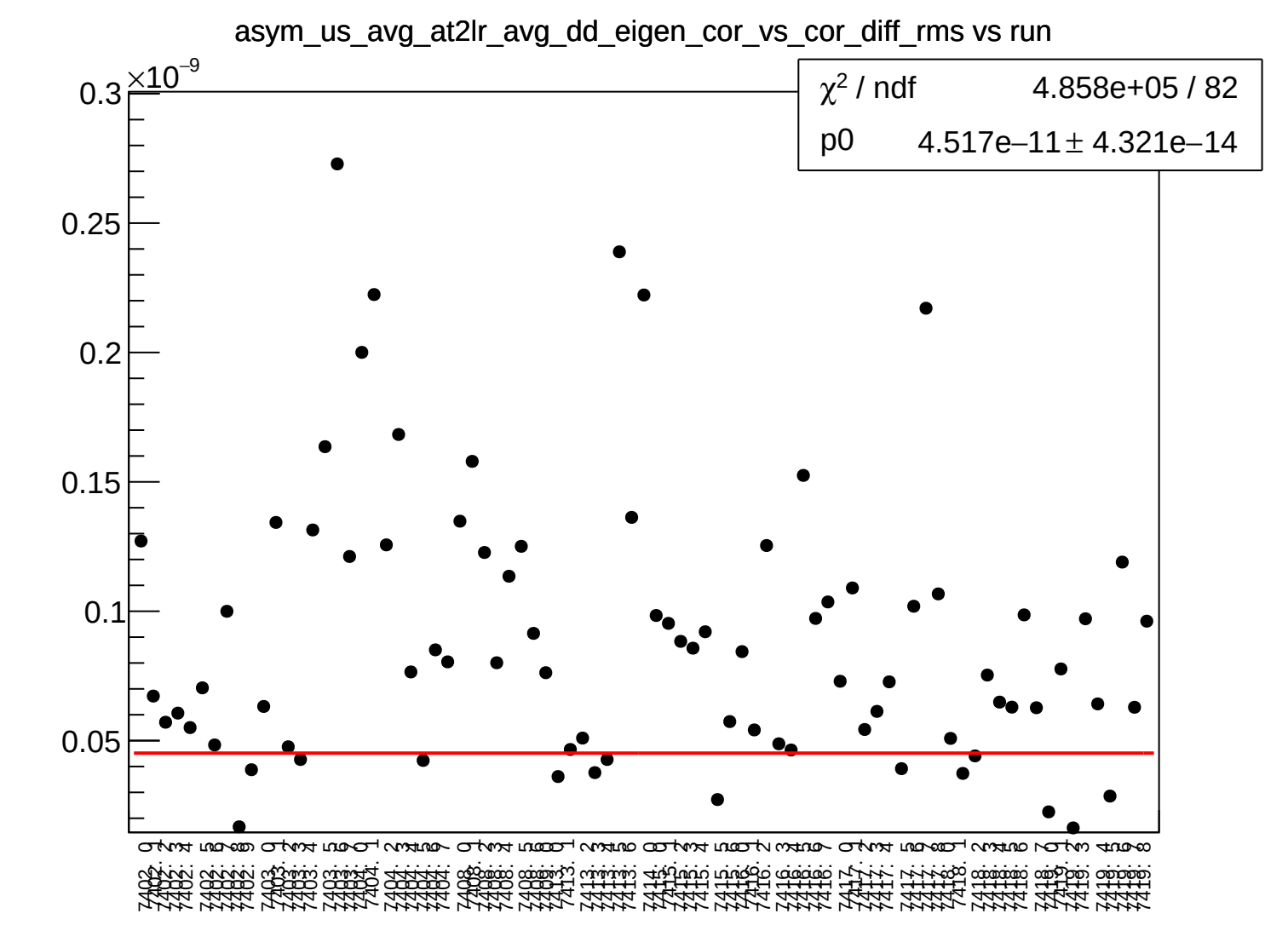

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.756e+04 / 82
p0 828 ± 0.667
1100
1000
900
800
700
600

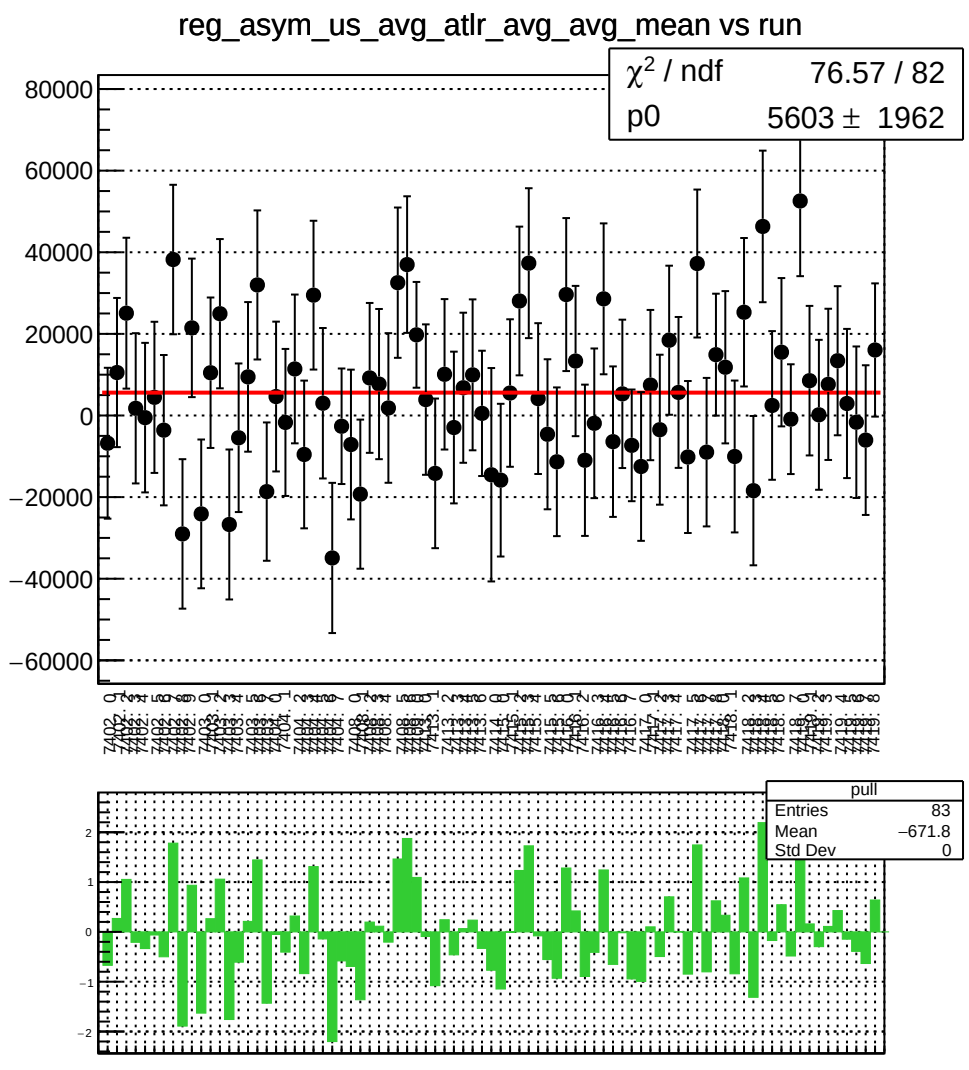

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.65 / 82
p0 −1.147 ± 0.9433
pull
Entries 83
Mean −690.4
Std Dev 0
pull1D
Entries 83
Mean −0.001547
Std Dev 1.068

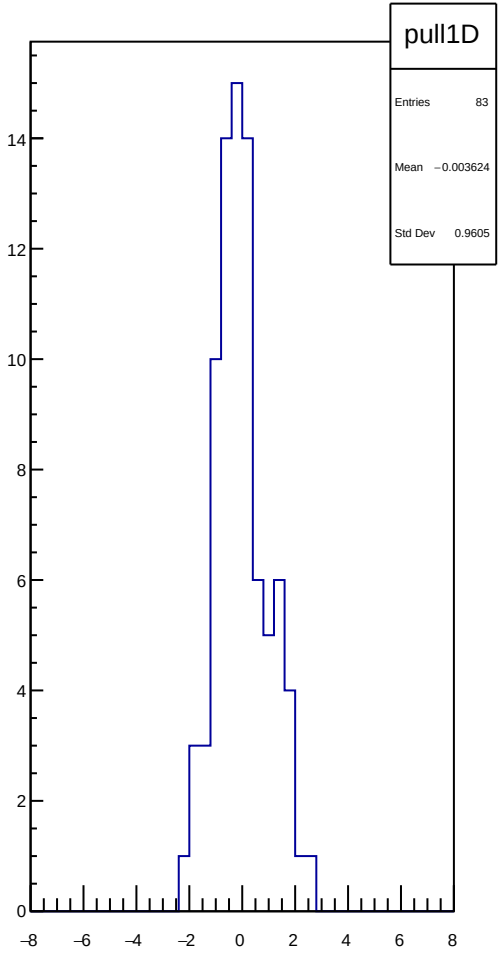

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.756e+04 / 82
p0 828 ± 0.667
1100
1000
900
800
700
600

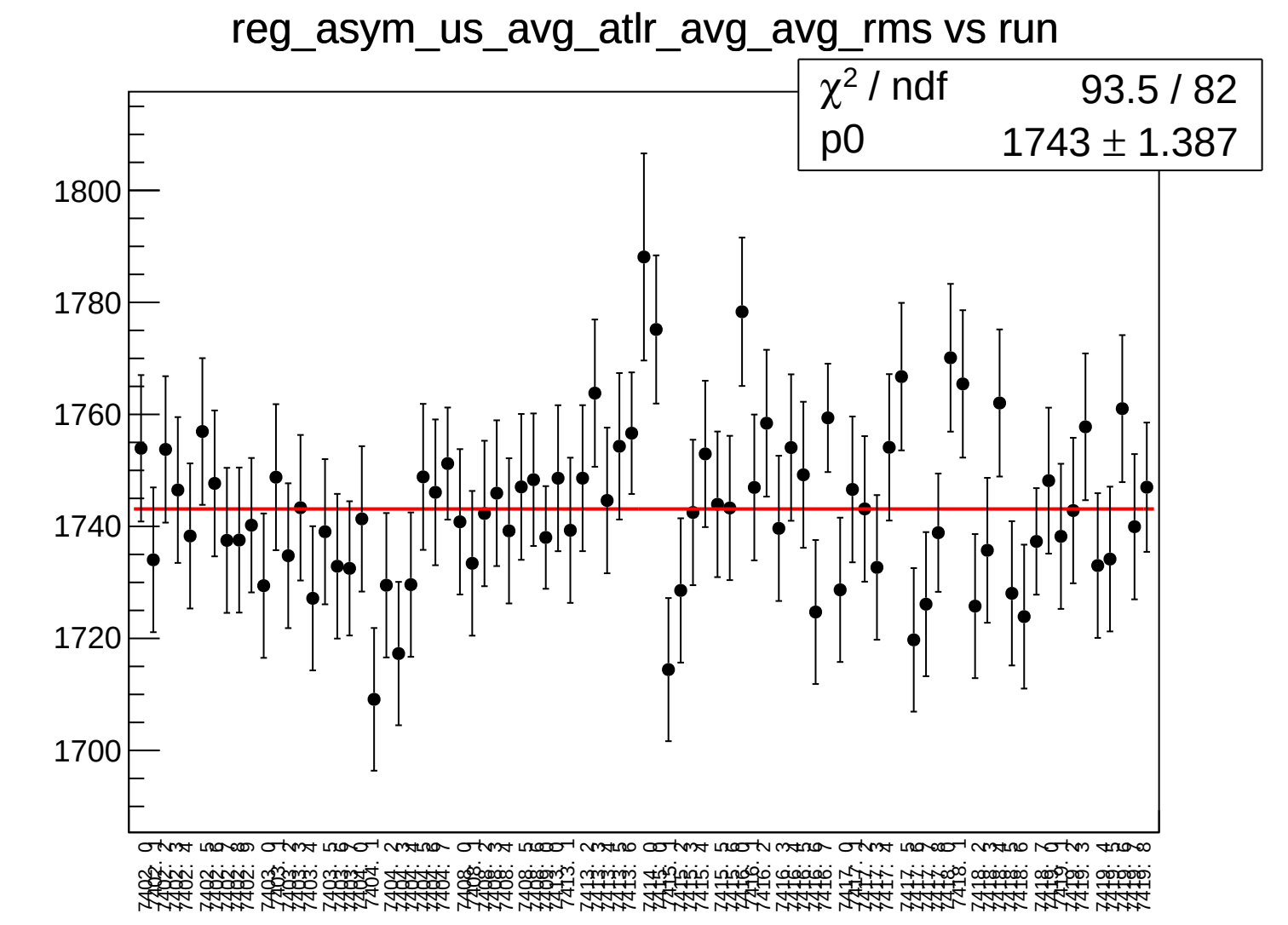

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.37 / 82
p0 6.458e−14 ± 6.111e−14
pull
Entries 83
Mean 19.29
Std Dev 0

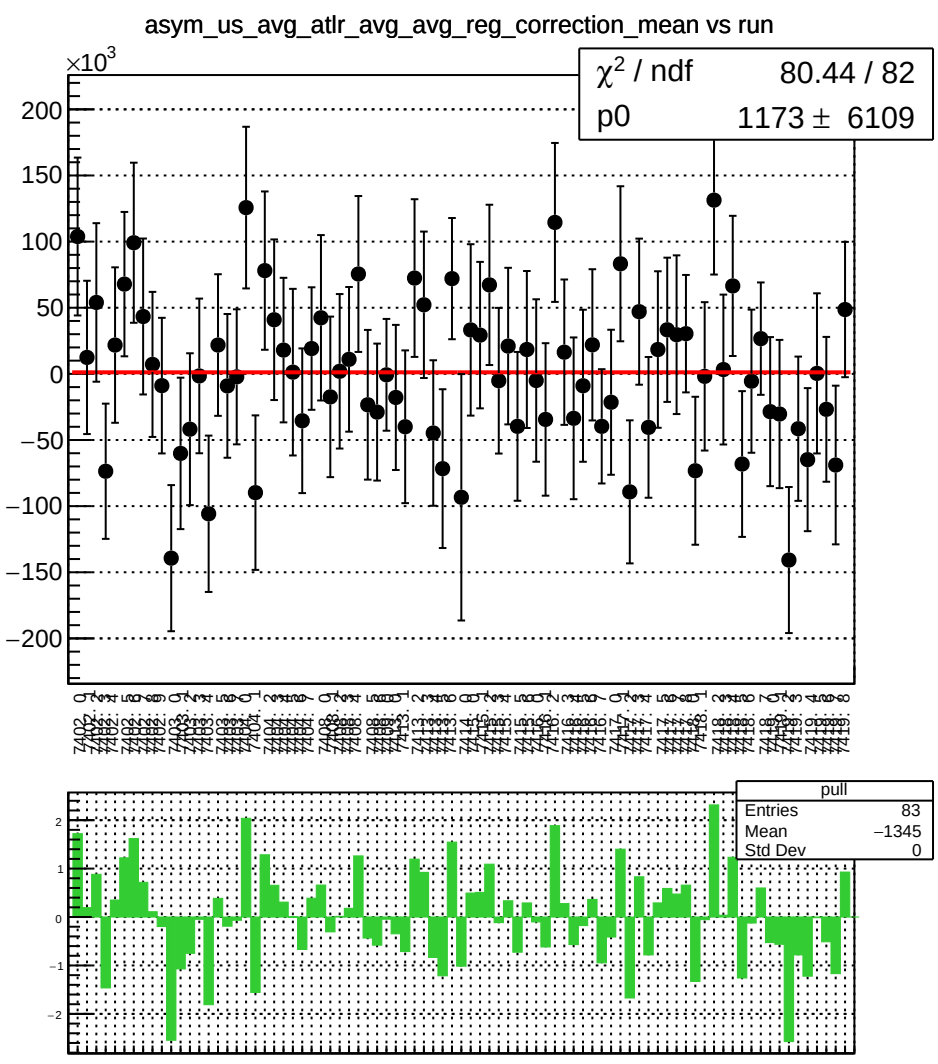

pull1D
Entries 83
Mean −0.07602
Std Dev 0.9307

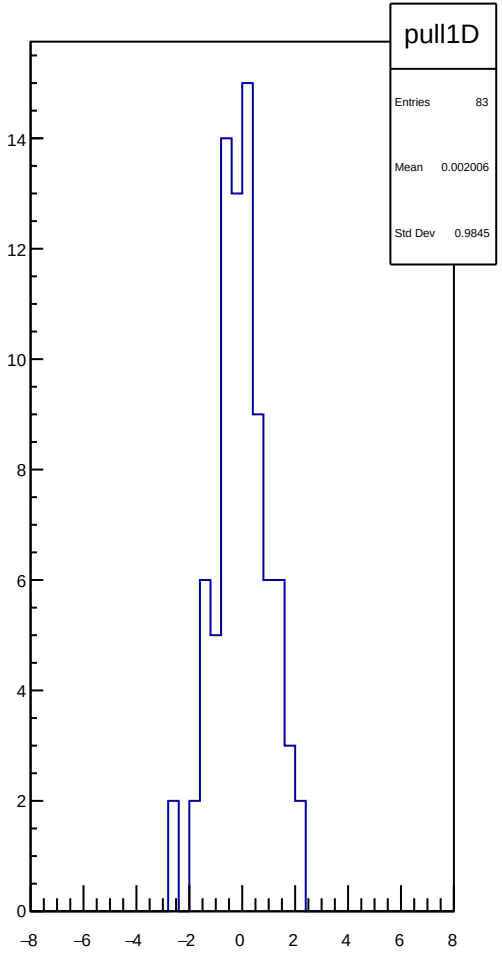

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
$\times 10^{-9}$
0.3
0.25
0.2
0.15
0.1
0.05
χ^2 / ndf 4.858e+05 / 82
p0 4.517e−11 ± 4.321e−14

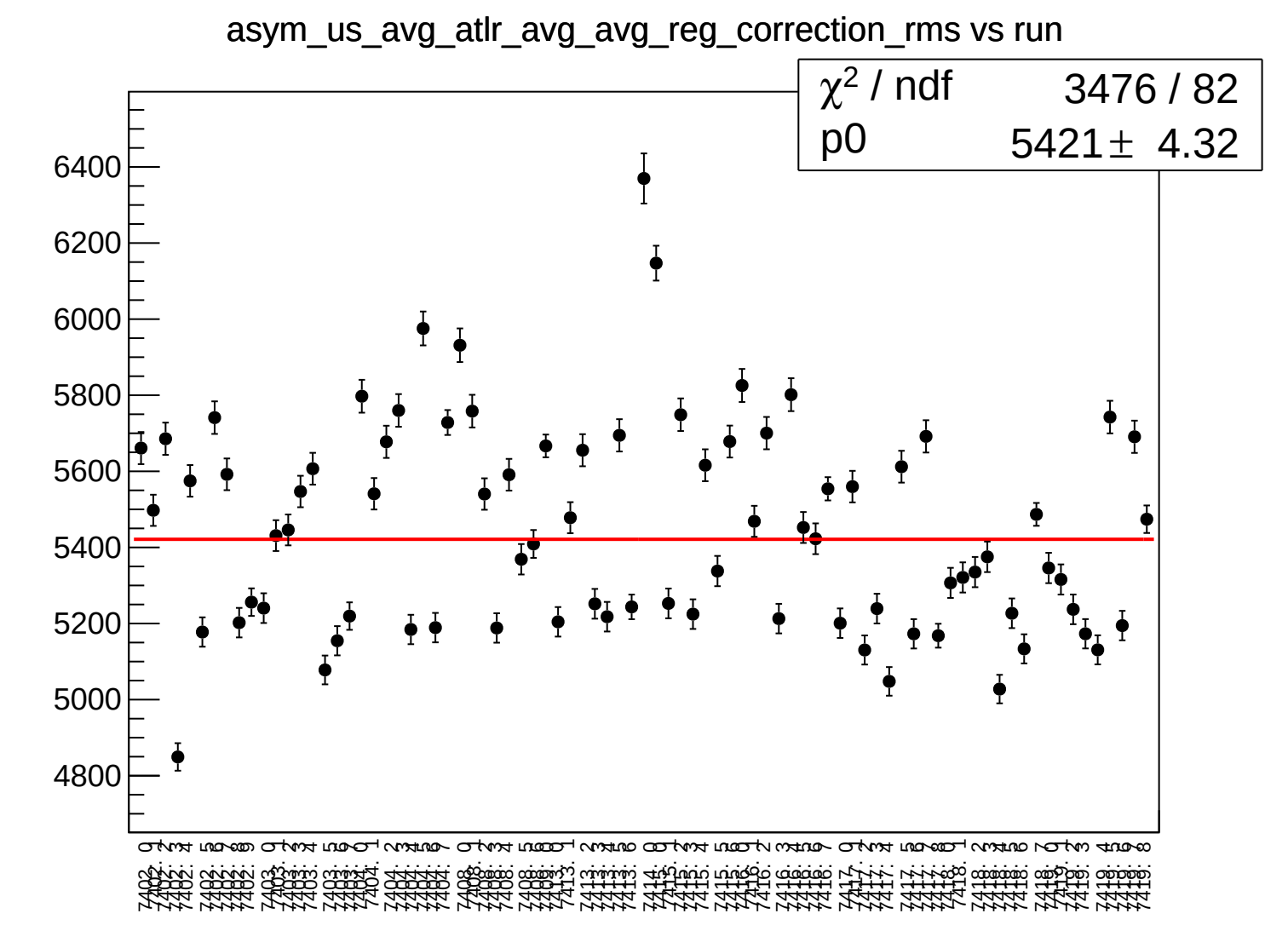

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 76.57 / 82
p0 5603 ± 1962
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −671.8
Std Dev 0
2
1
0
−1
−2

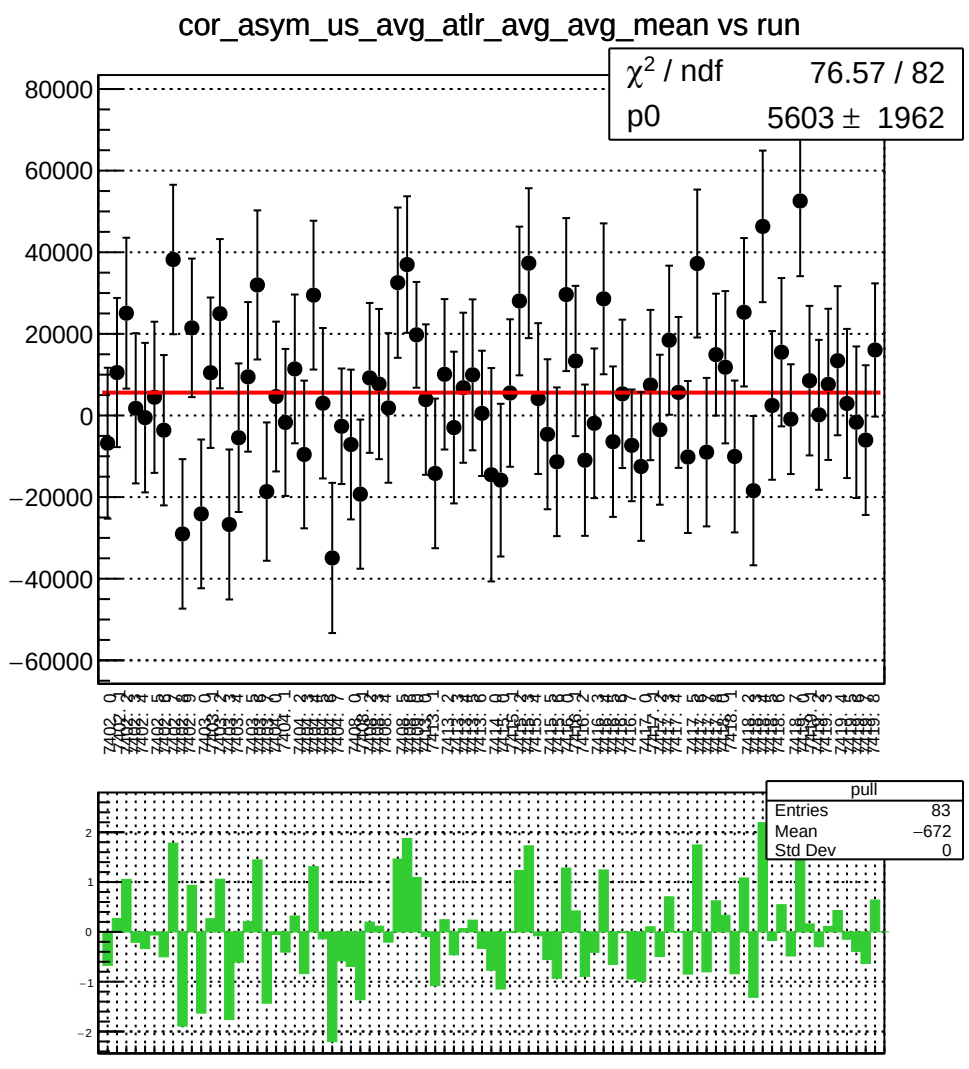

pull1D
Entries 83
Mean −0.003624
Std Dev 0.9605
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

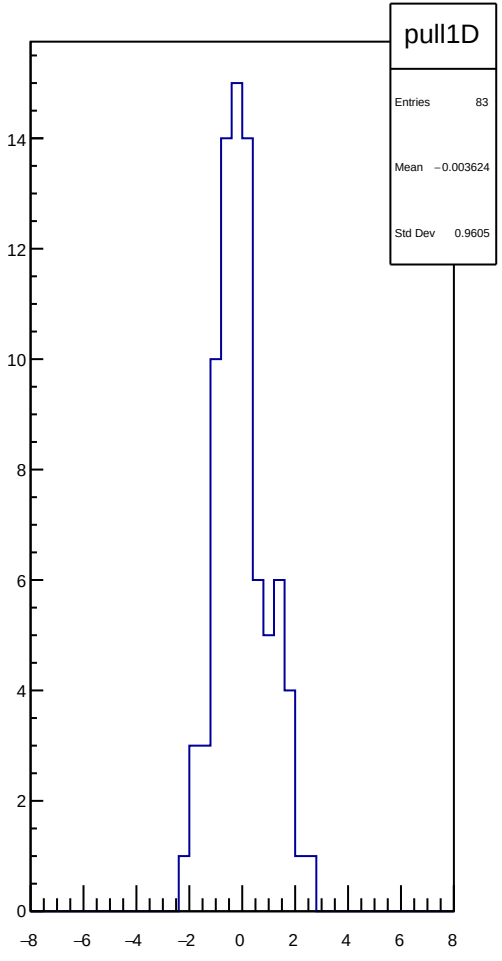

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 93.5 / 82
p0 1743 ± 1.387
1800
1780
1760
1740
1720
1700

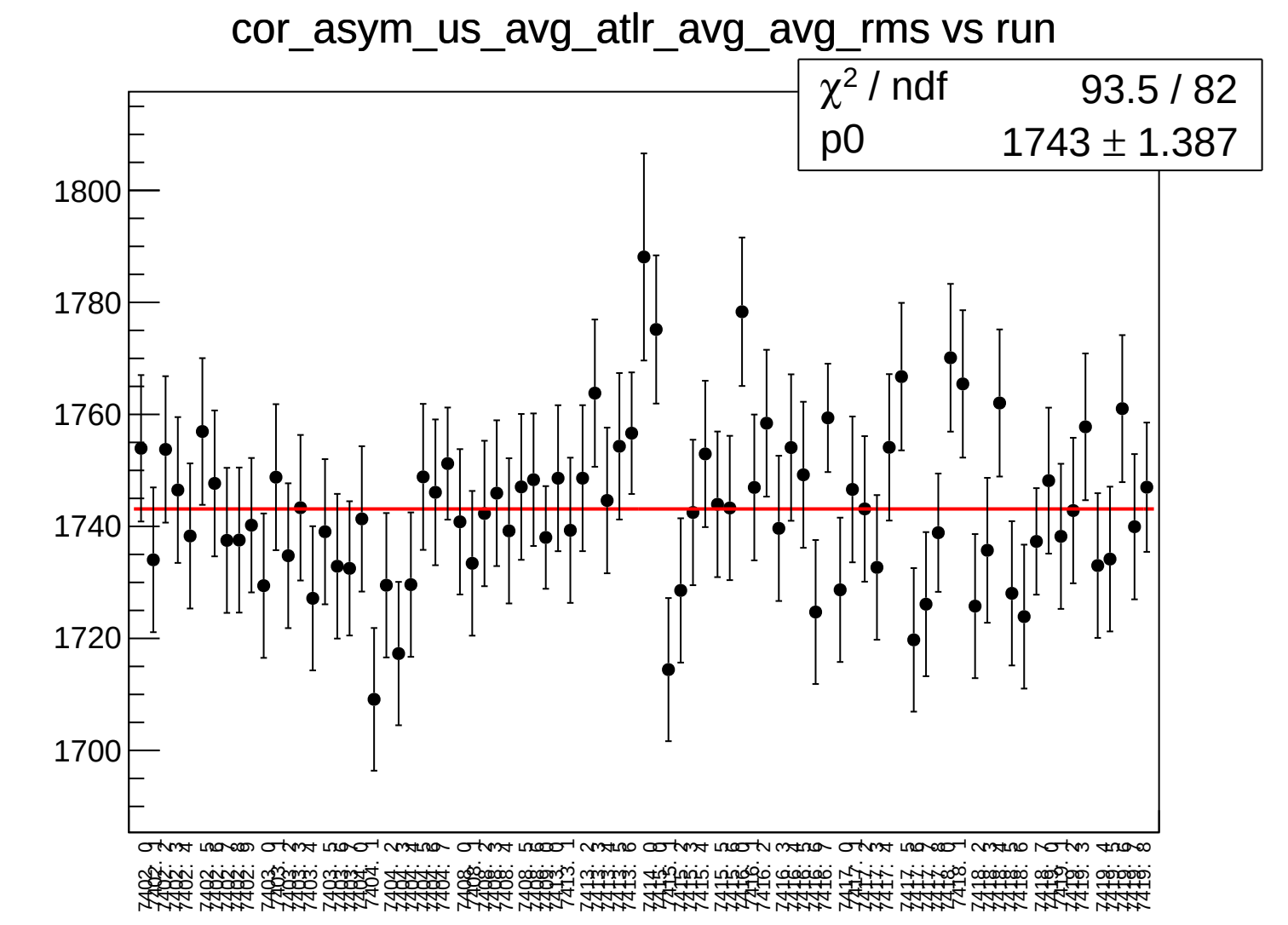

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 80.44 / 82
p0 1173 ± 6109
pull
Entries 83
Mean −1345
Std Dev 0

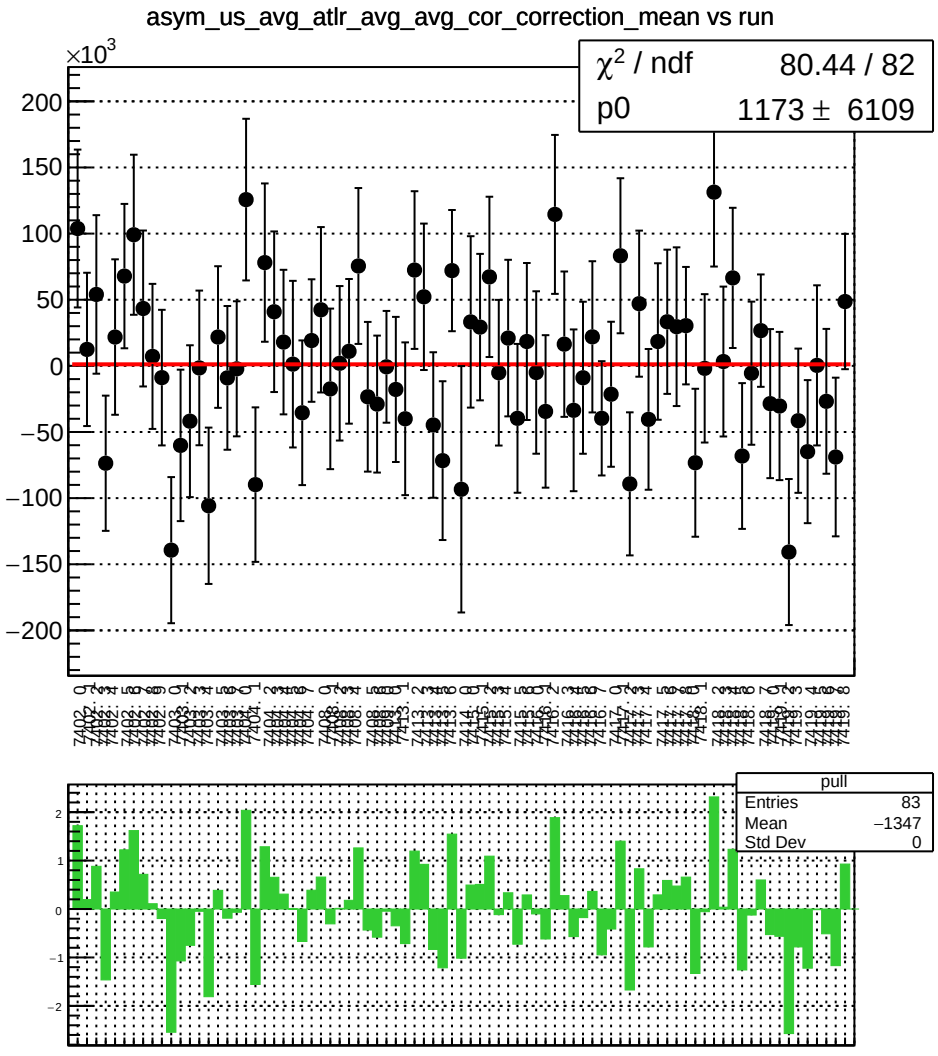

pull1D
Entries 83
Mean 0.002006
Std Dev 0.9845

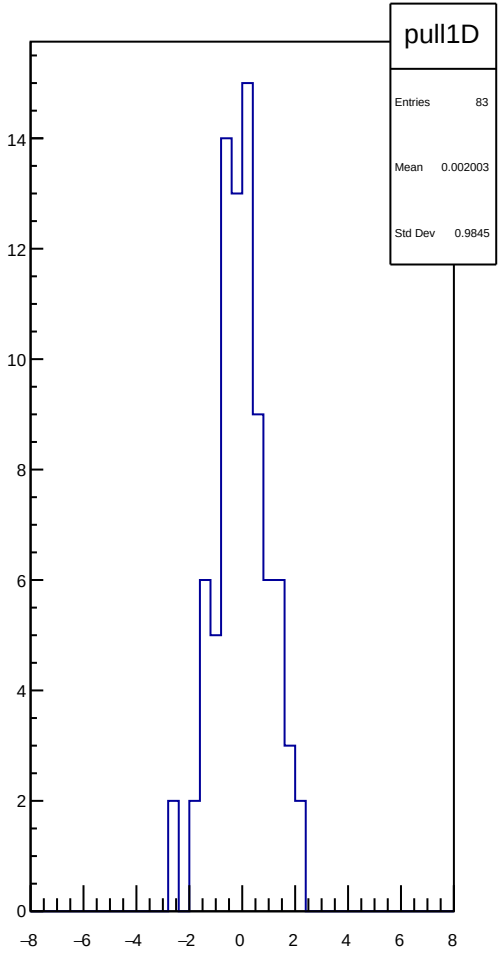

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 3476 / 82
p0 5421 ± 4.32
6400
6200
6000
5800
5600
5400
5200
5000
4800

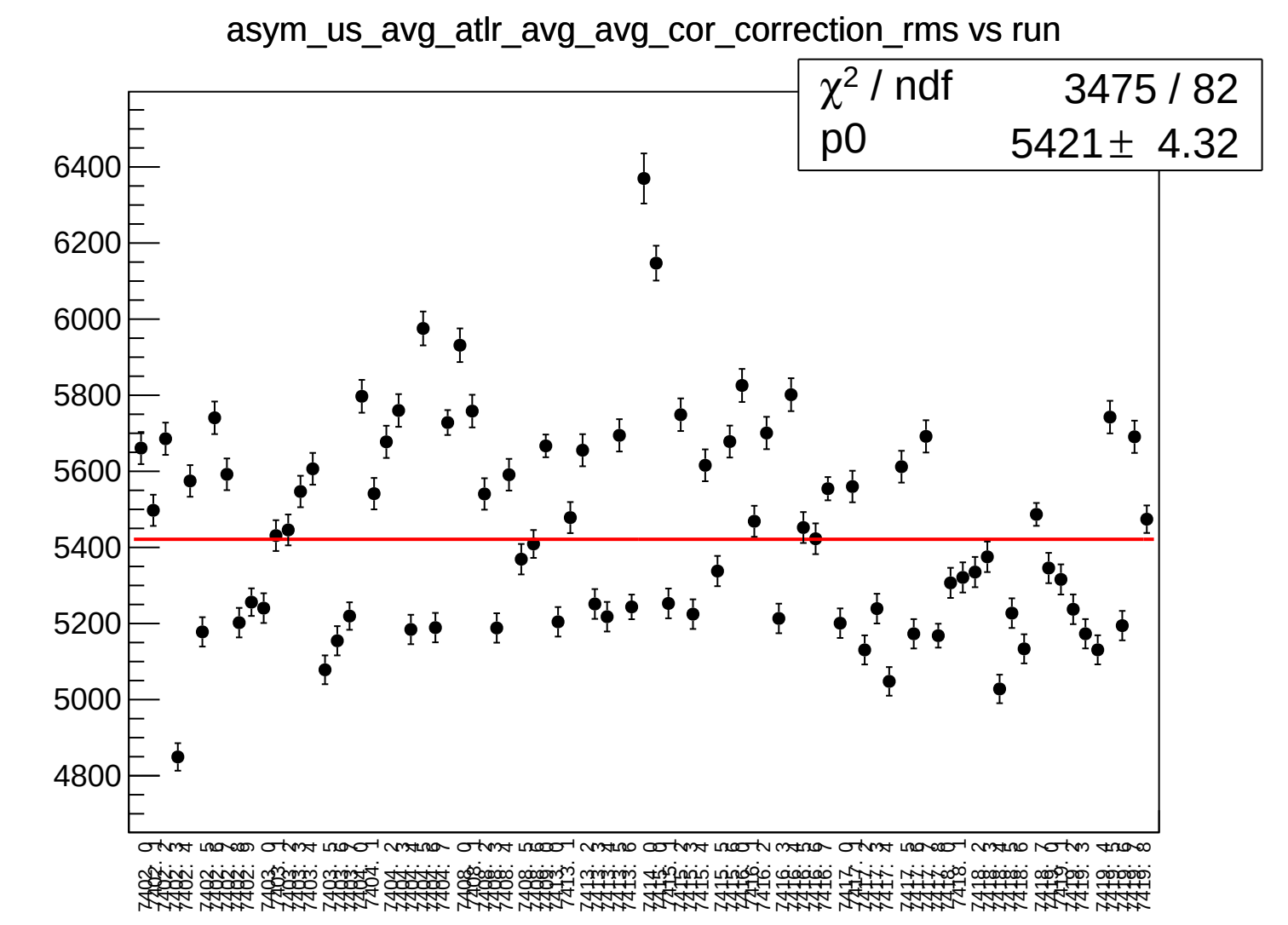

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 76.57 / 82
p0 5603 ± 1962
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −672
Std Dev 0
2
1
0
−1
−2

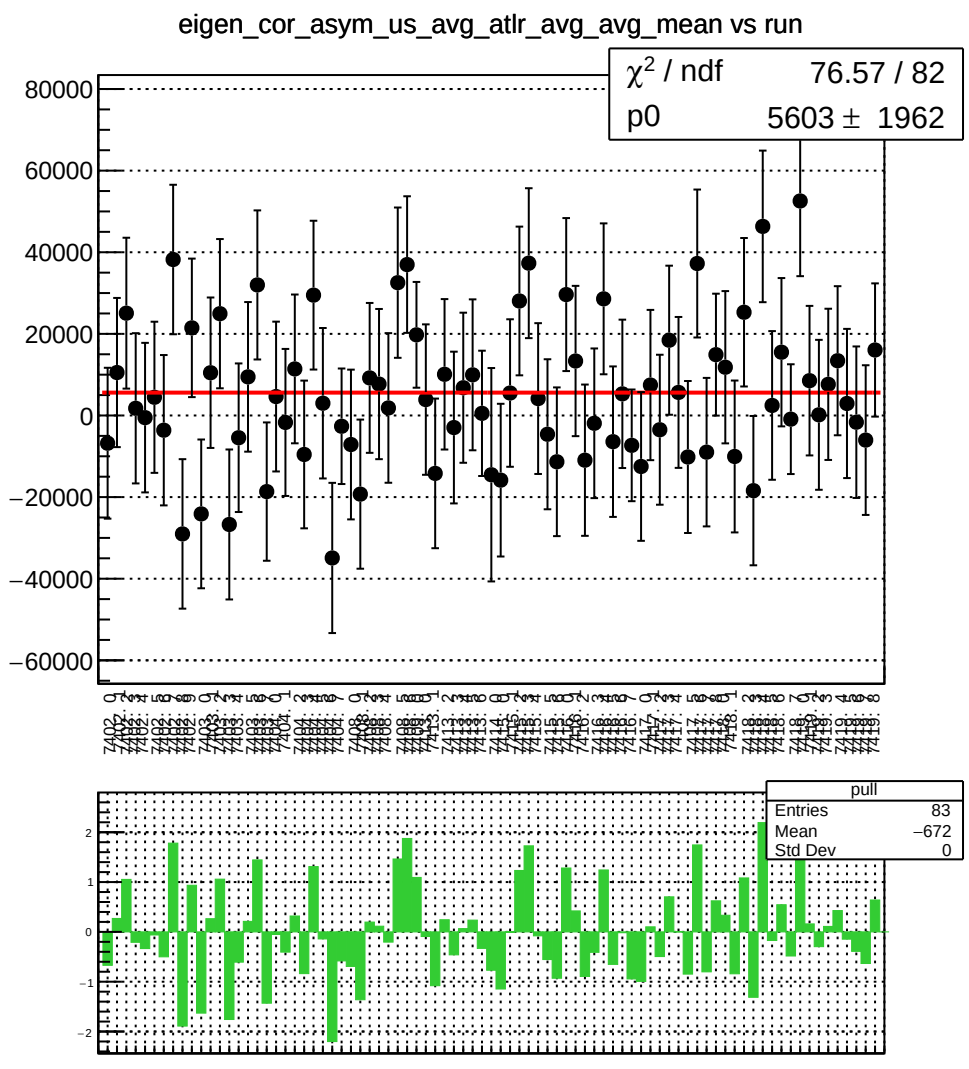

pull1D
Entries 83
Mean −0.003624
Std Dev 0.9605
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

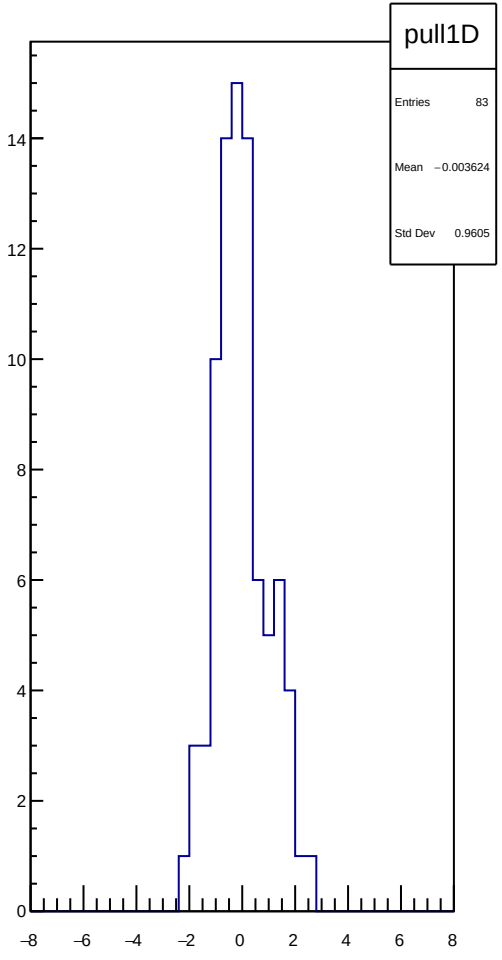

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 93.5 / 82
p0 1743 ± 1.387
1800
1780
1760
1740
1720
1700

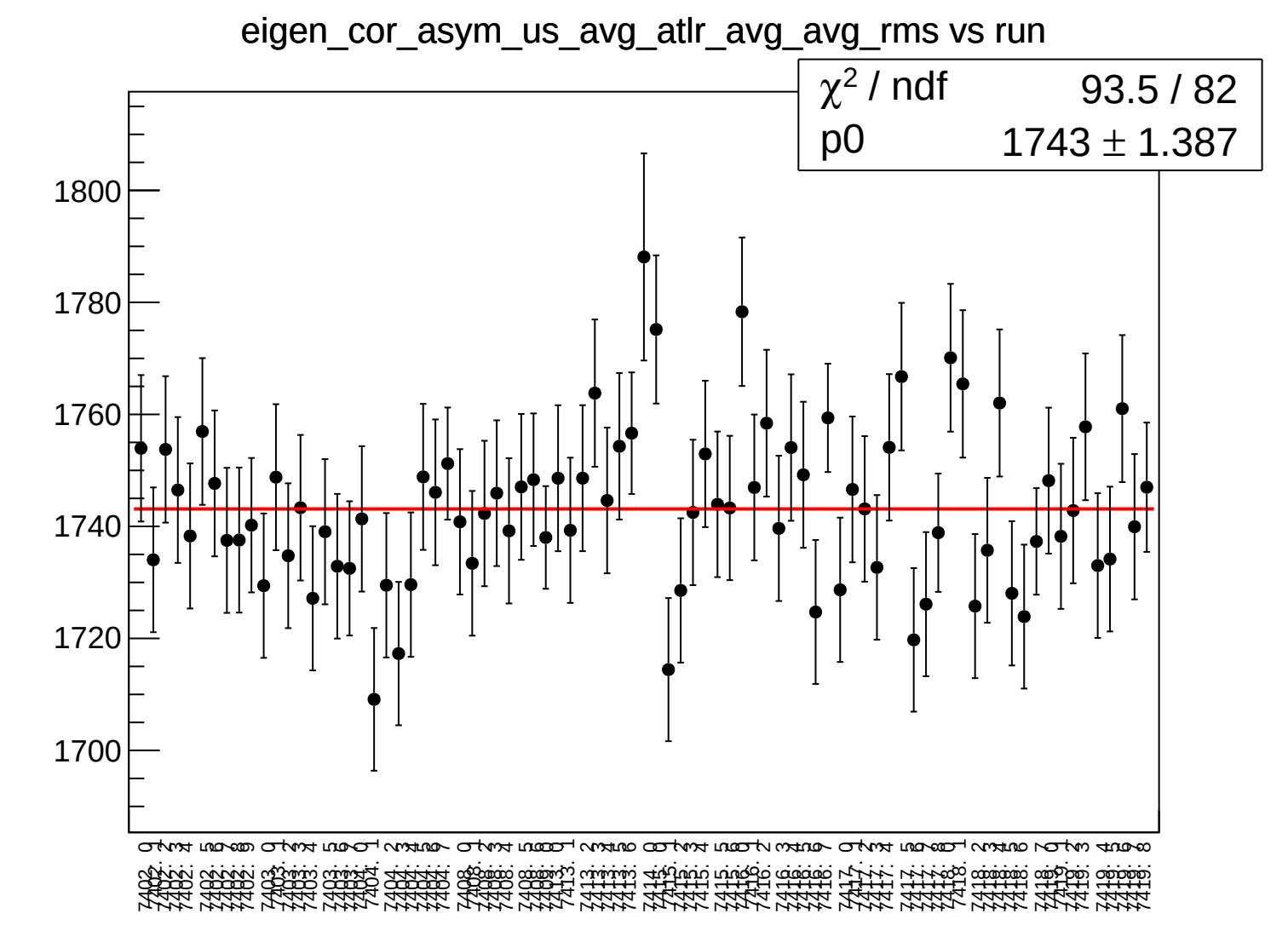

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 80.44 / 82
p0 1173 ± 6109
pull
Entries 83
Mean −1347
Std Dev 0

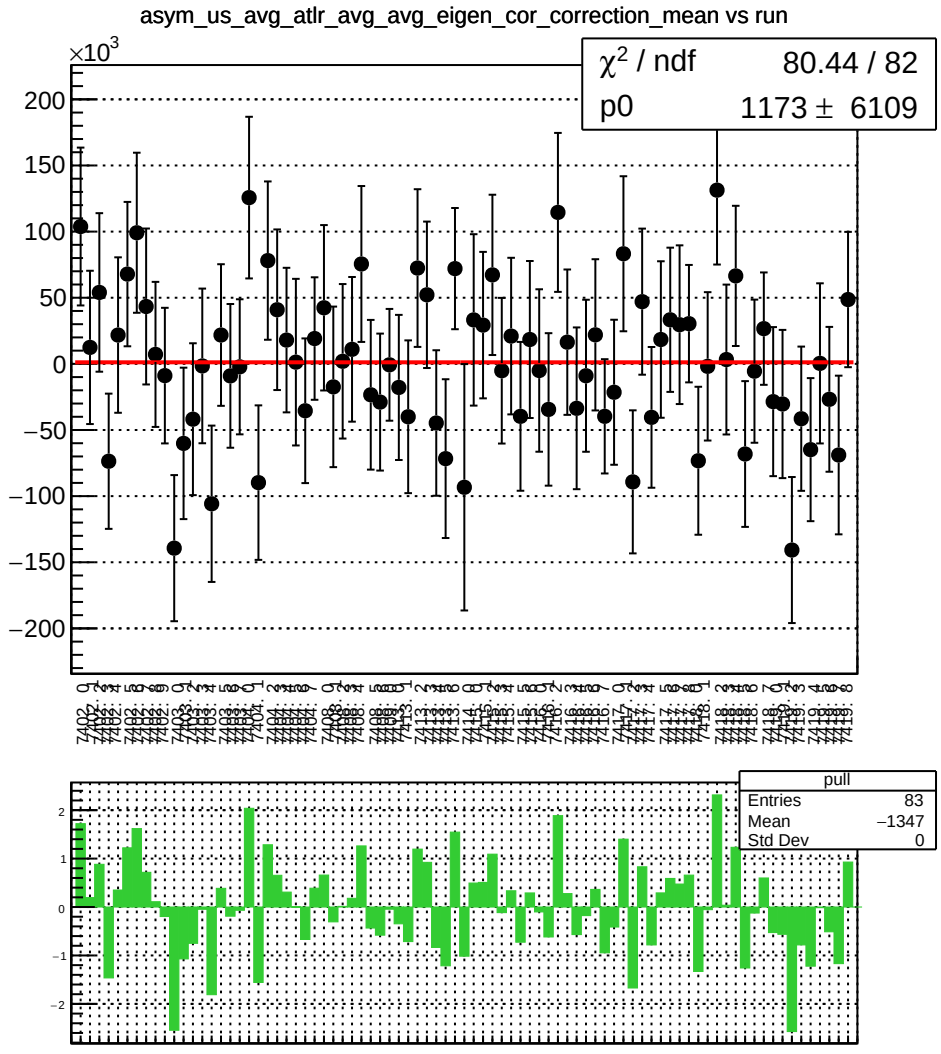

pull1D
Entries 83
Mean 0.002003
Std Dev 0.9845

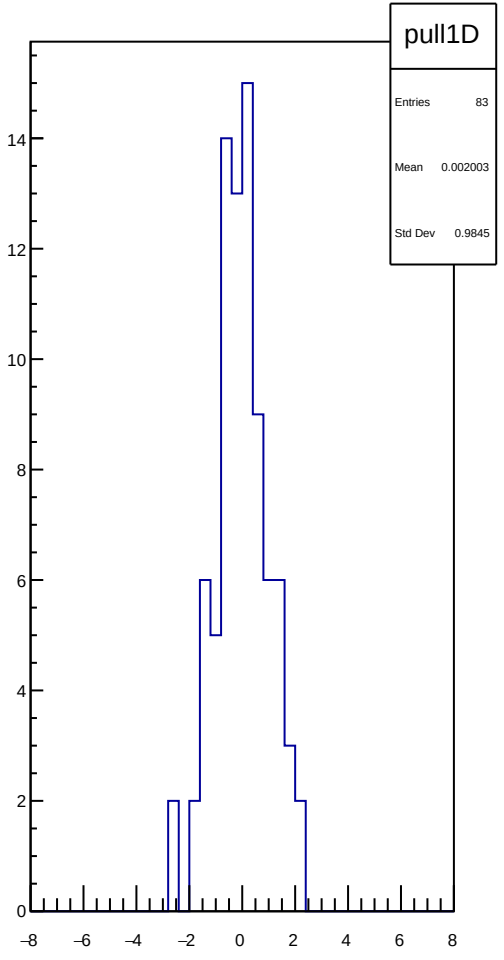

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 3475 / 82
p0 5421 ± 4.32
6400
6200
6000
5800
5600
5400
5200
5000
4800

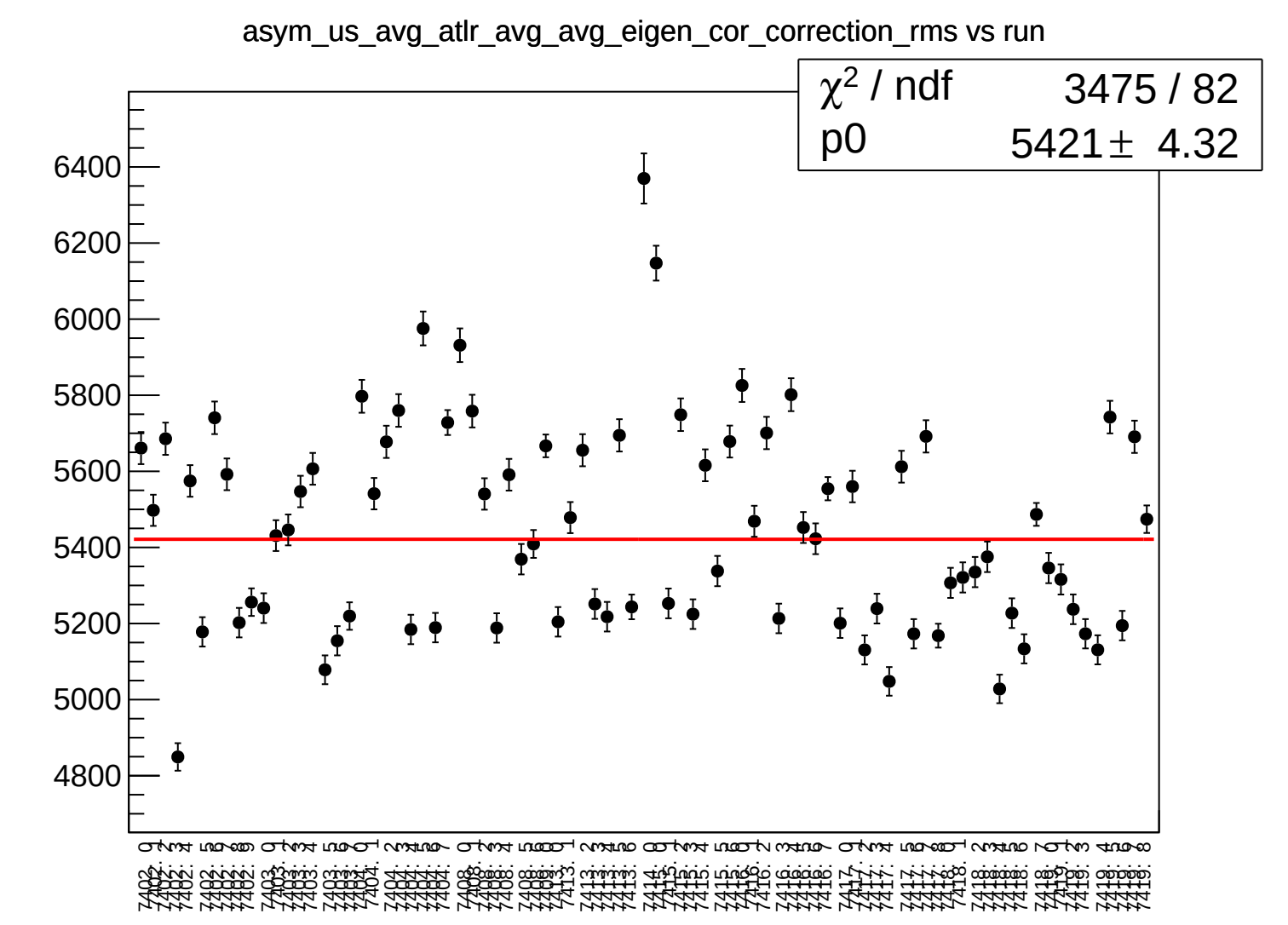

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 76.57 / 82
p0 5603 ± 1962
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −672
Std Dev 0
2
1
0
−1
−2

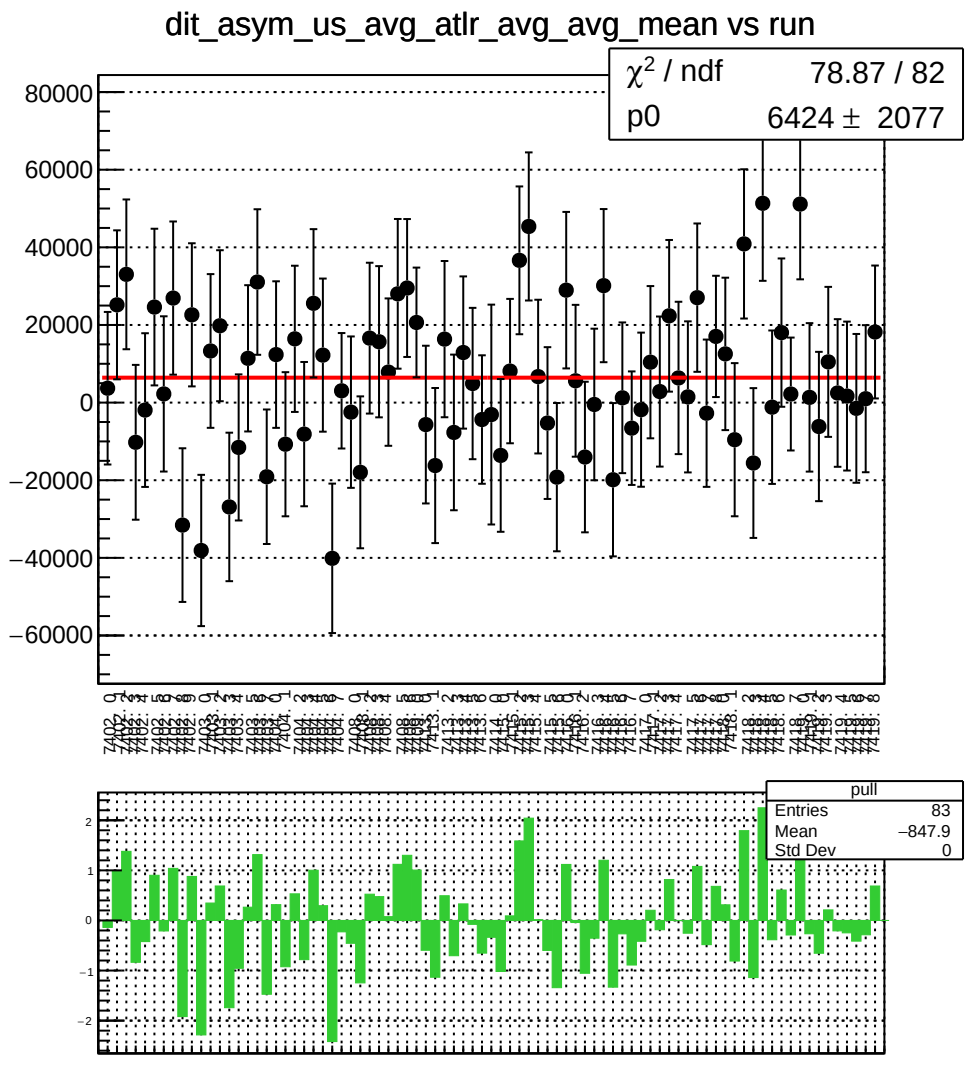

pull1D
Entries 83
Mean −0.003624
Std Dev 0.9605
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

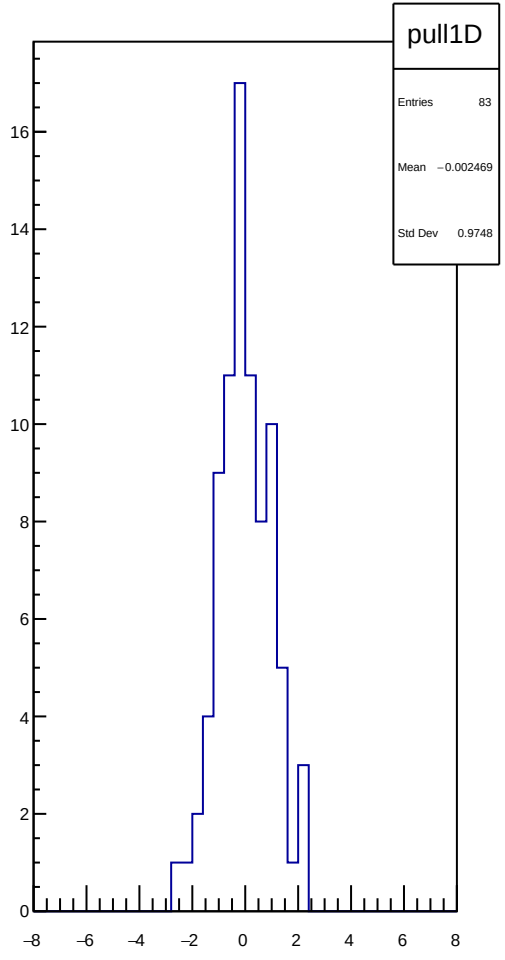

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 93.5 / 82
p0 1743 ± 1.387
1800
1780
1760
1740
1720
1700

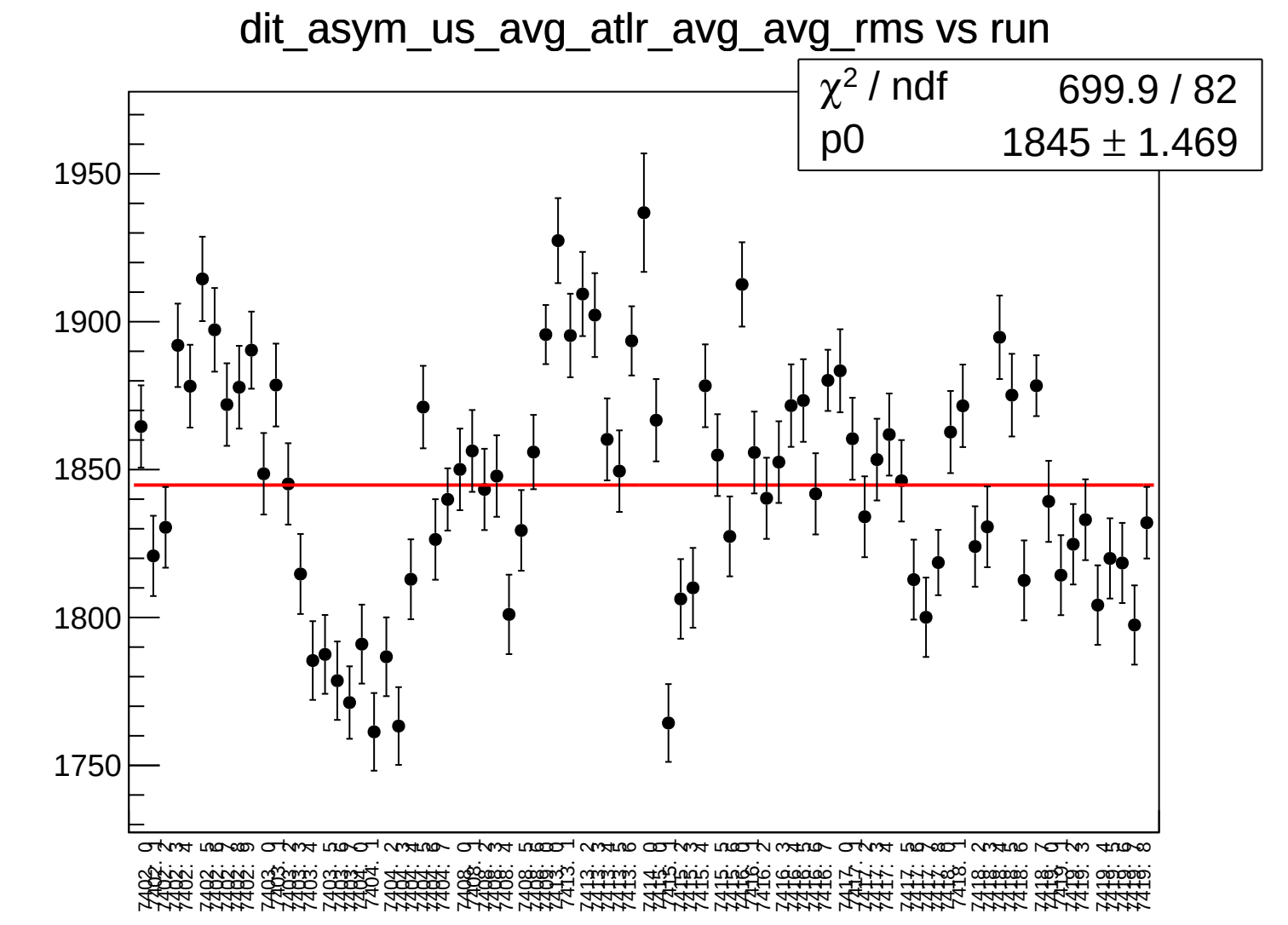

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.44 / 82
p0 1173 ± 6109
pull
Entries 83
Mean −1347
Std Dev 0

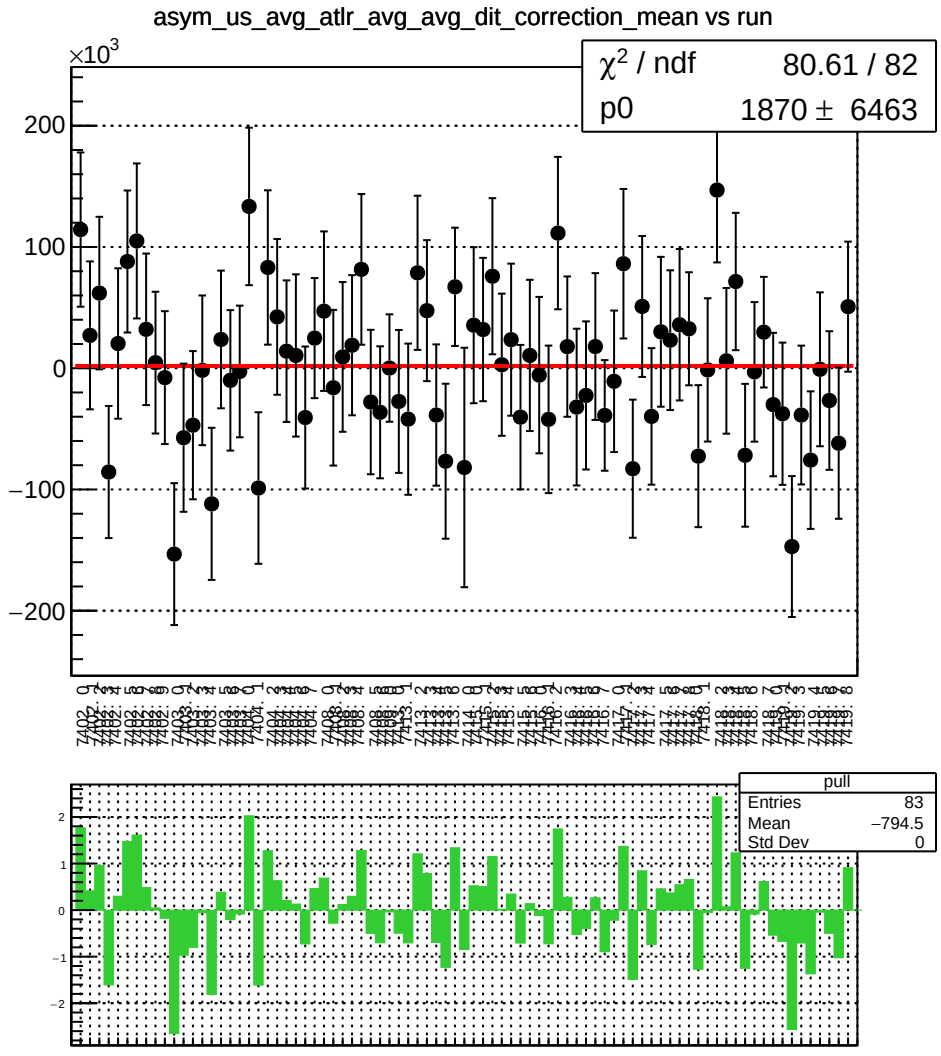

pull1D
Entries 83
Mean 0.002003
Std Dev 0.9845

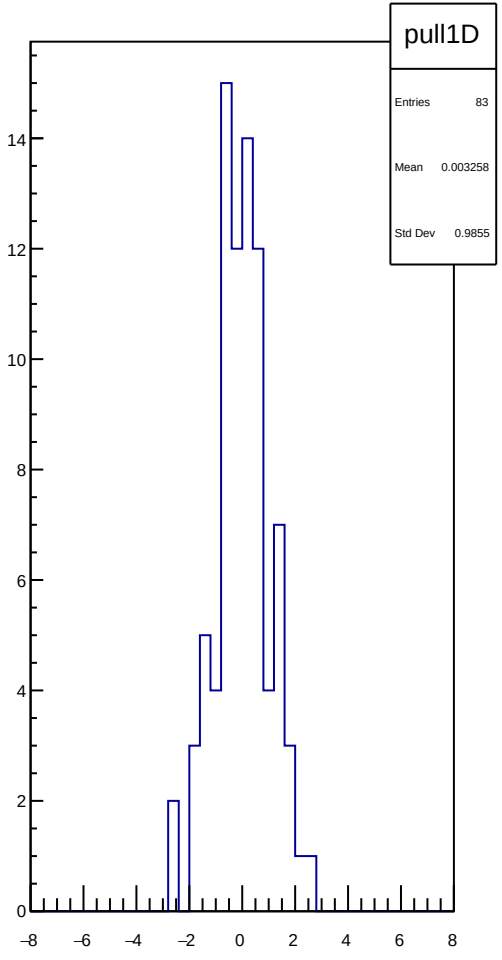

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3475 / 82
p0 5421 ± 4.32
6400
6200
6000
5800
5600
5400
5200
5000
4800

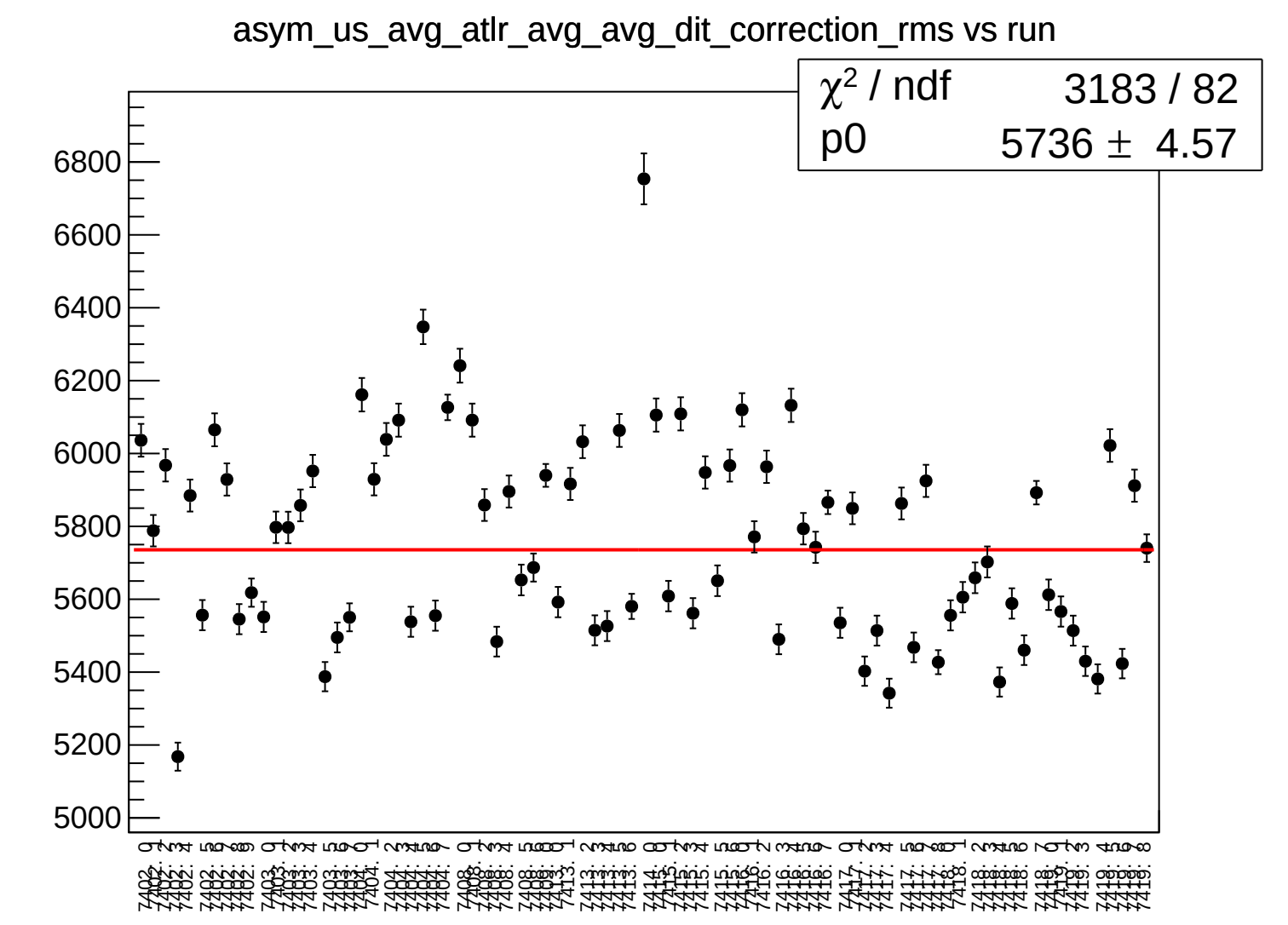

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 78.87 / 82
p0 6424 ± 2077
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −847.9
Std Dev 0
2
1
0
−1
−2

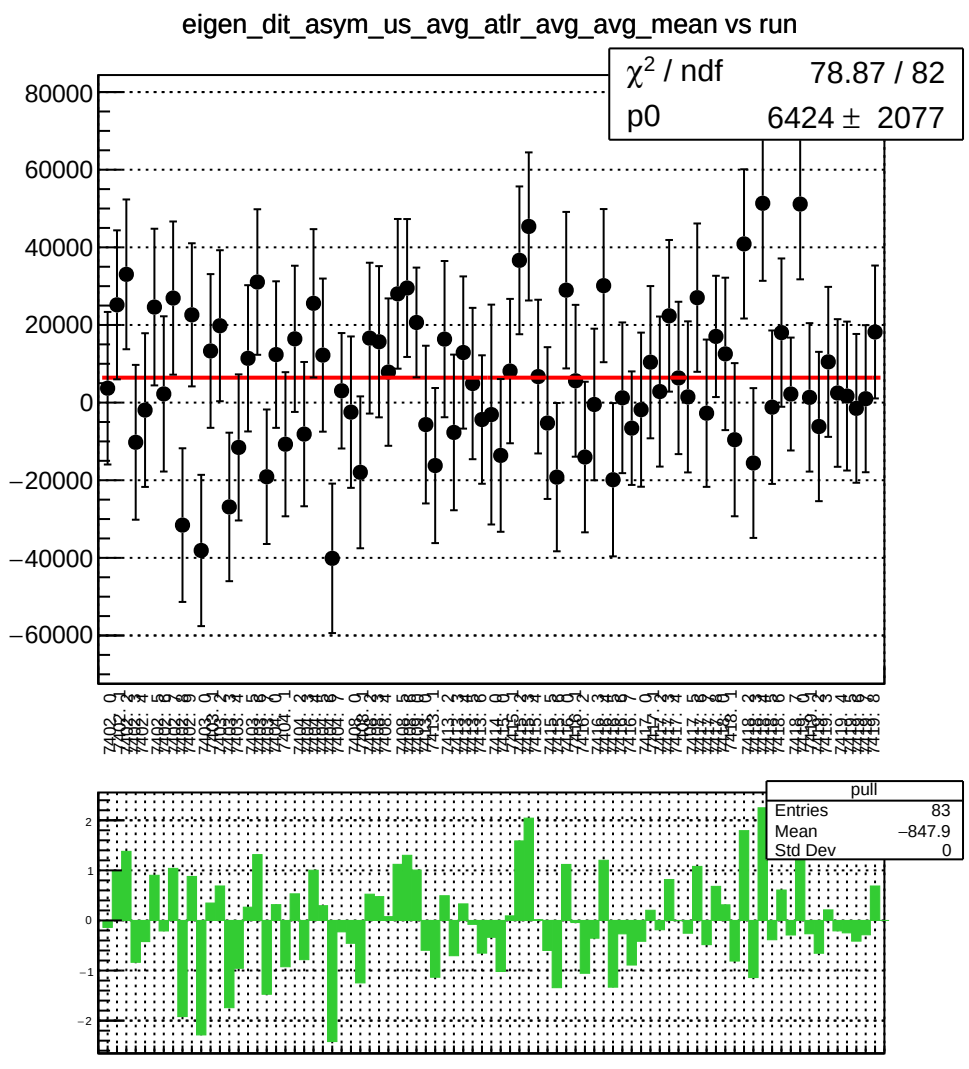

pull1D
Entries 83
Mean −0.002469
Std Dev 0.9748
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

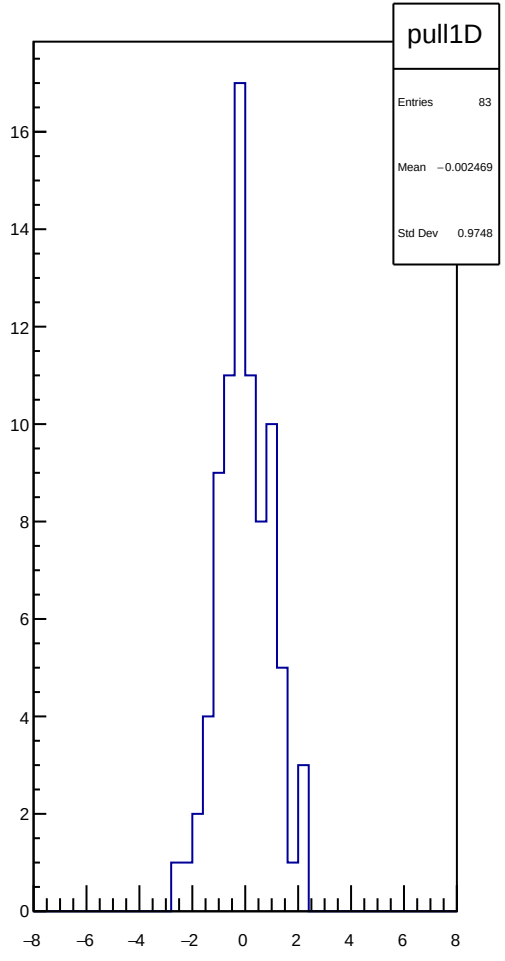

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 699.9 / 82
p0 1845 ± 1.469
1950
1900
1850
1800
1750

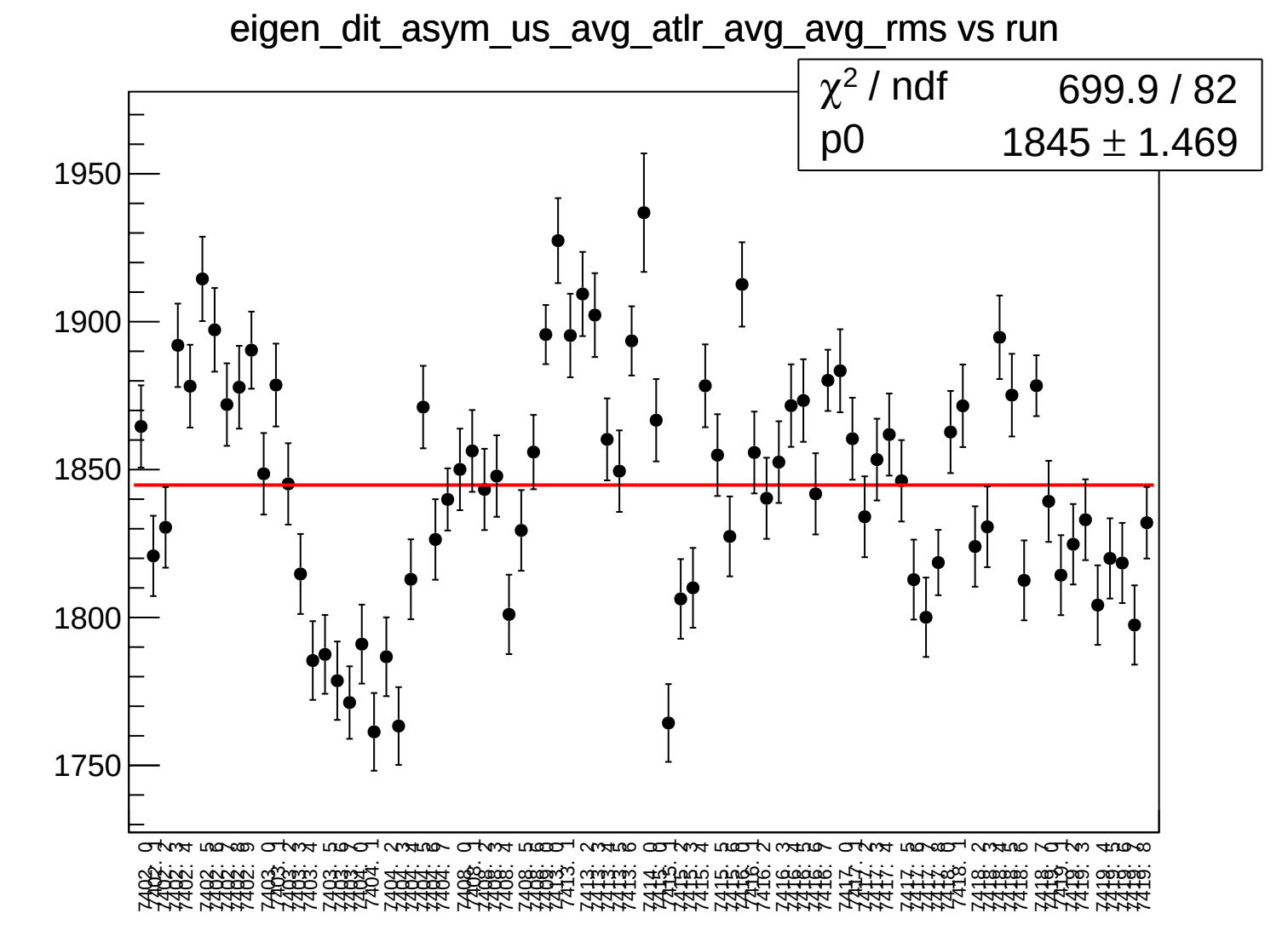

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 80.61 / 82
p0 1870 ± 6463
200
100
0
−100
−200
pull
Entries 83
Mean −794.5
Std Dev 0
2
1
0
−1
−2

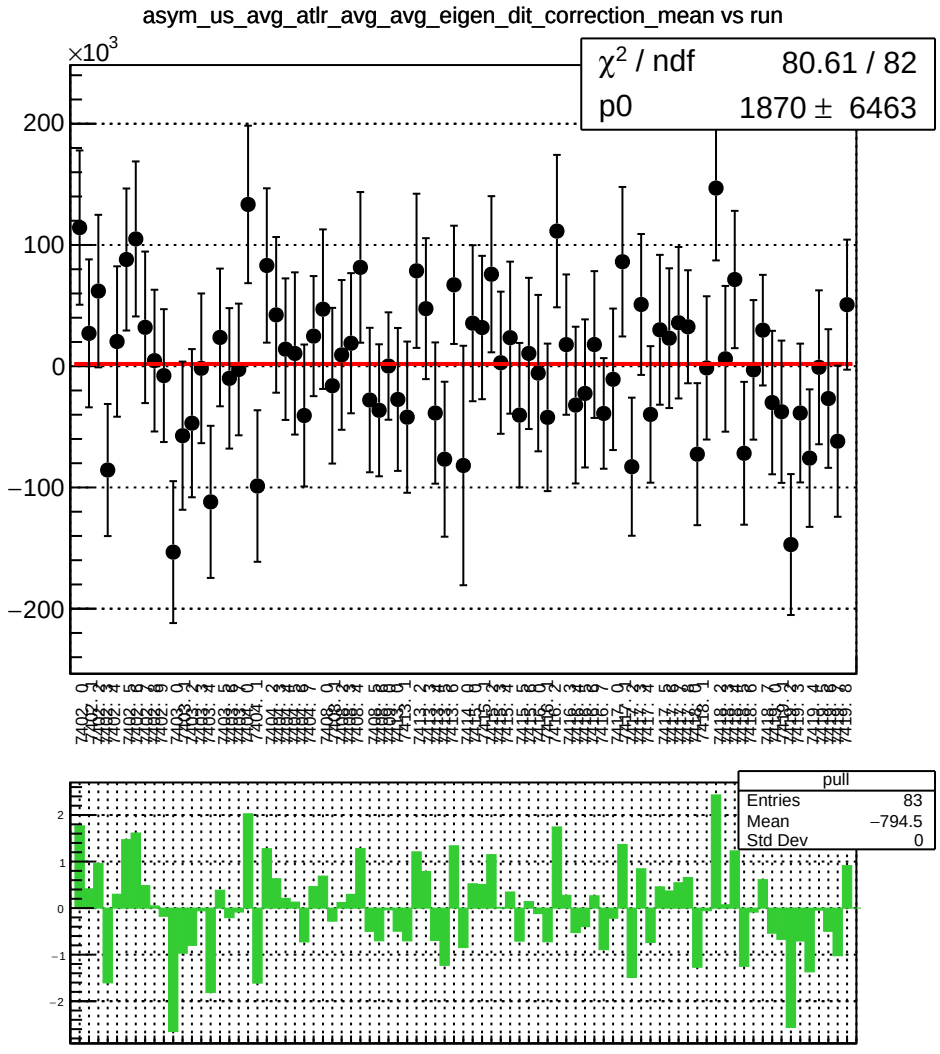

pull1D
Entries 83
Mean 0.003258
Std Dev 0.9855
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

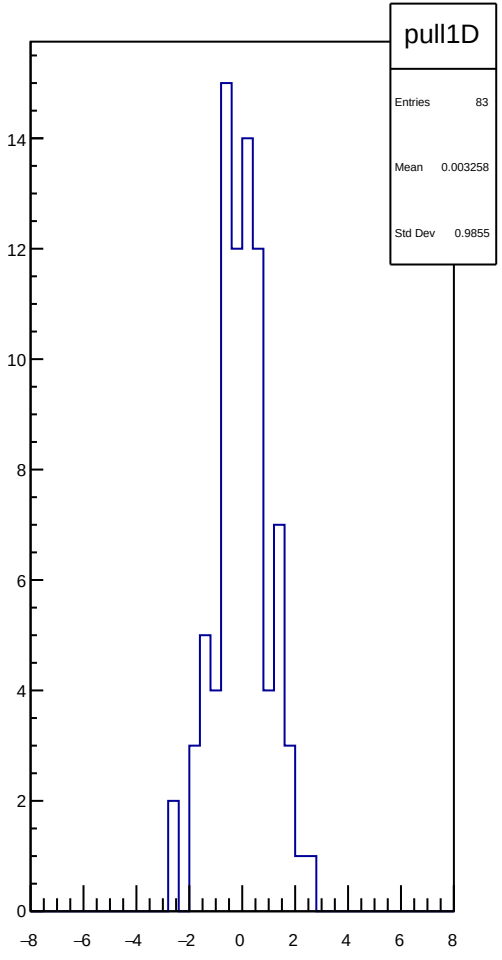

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 3183 / 82
p0 5736 ± 4.57
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

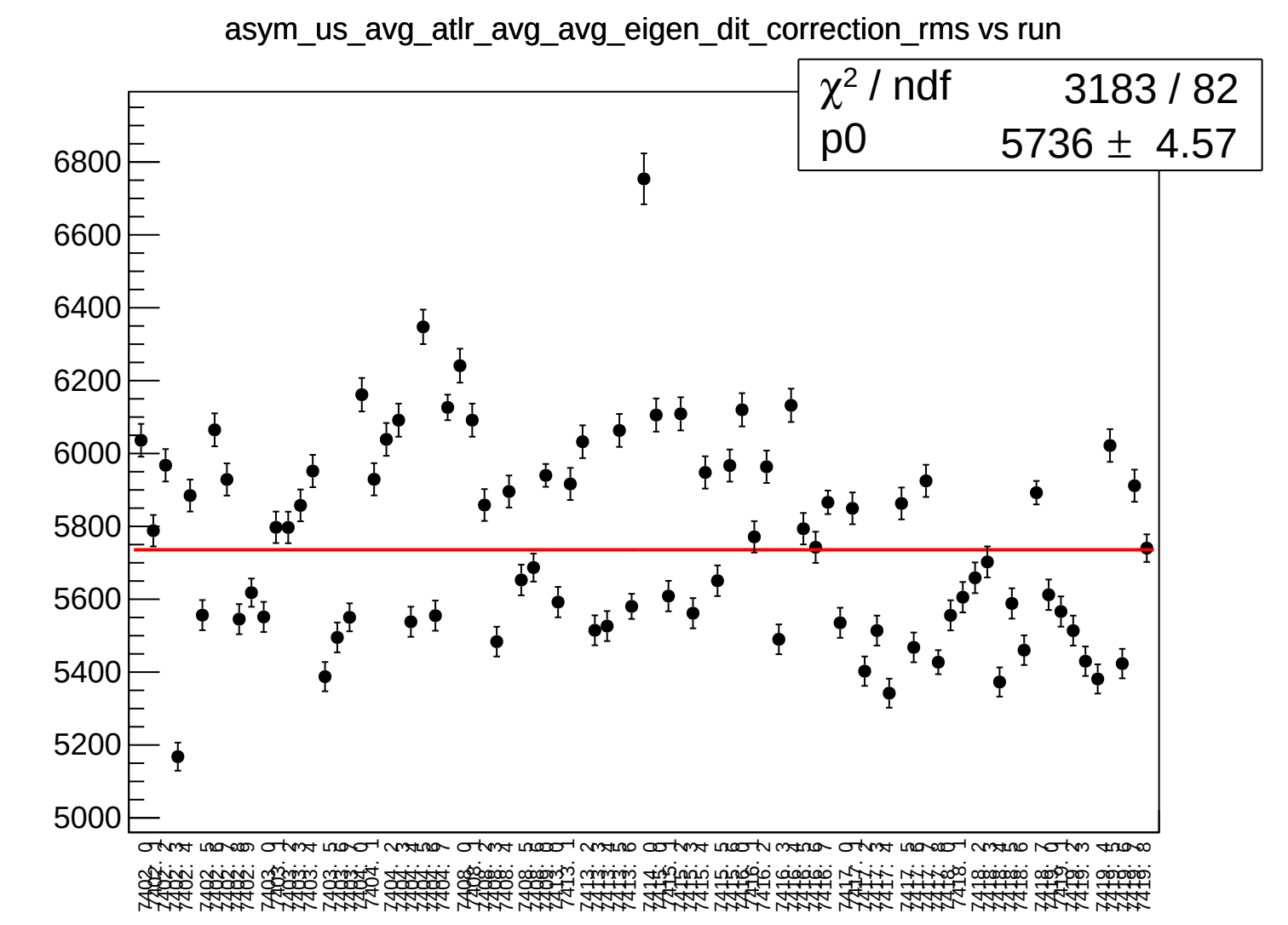

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 78.87 / 82
p0 6424 ± 2077
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −847.9
Std Dev 0
2
1
0
−1
−2

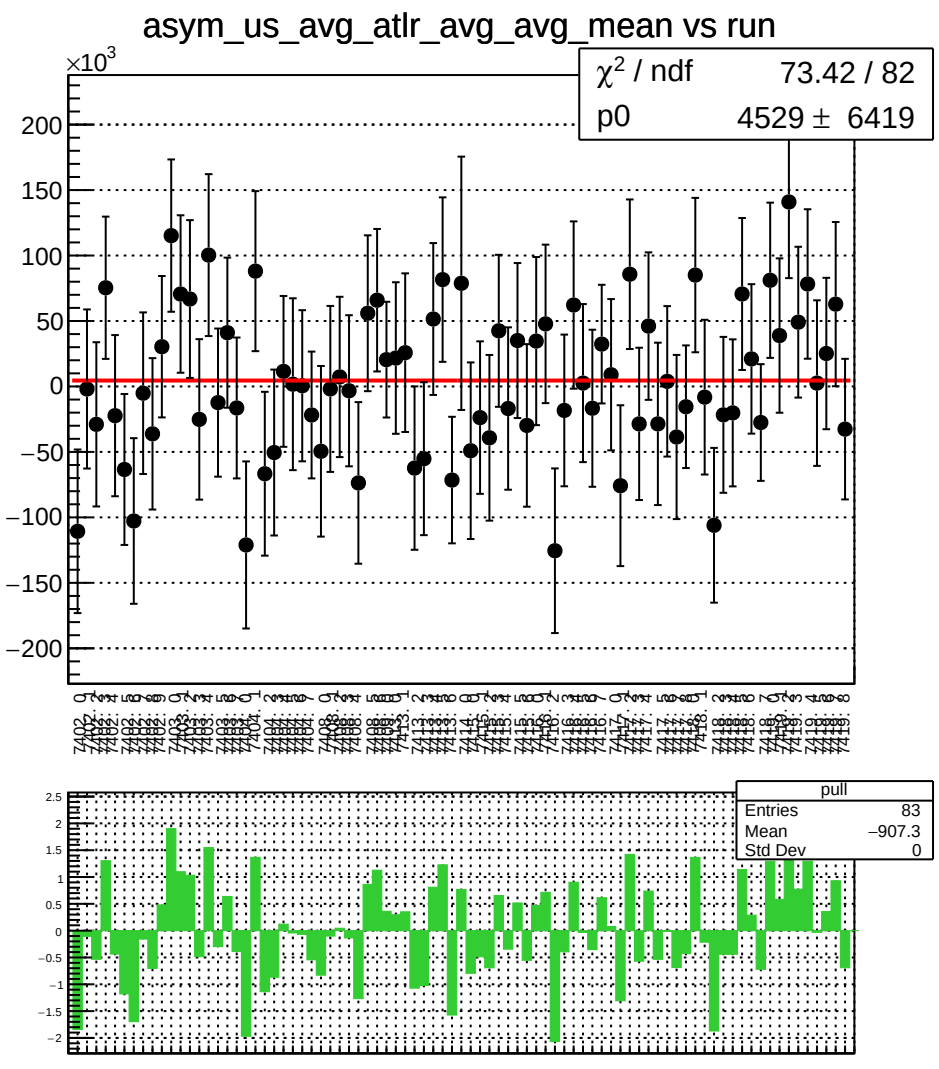

pull1D
Entries 83
Mean −0.002469
Std Dev 0.9748
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

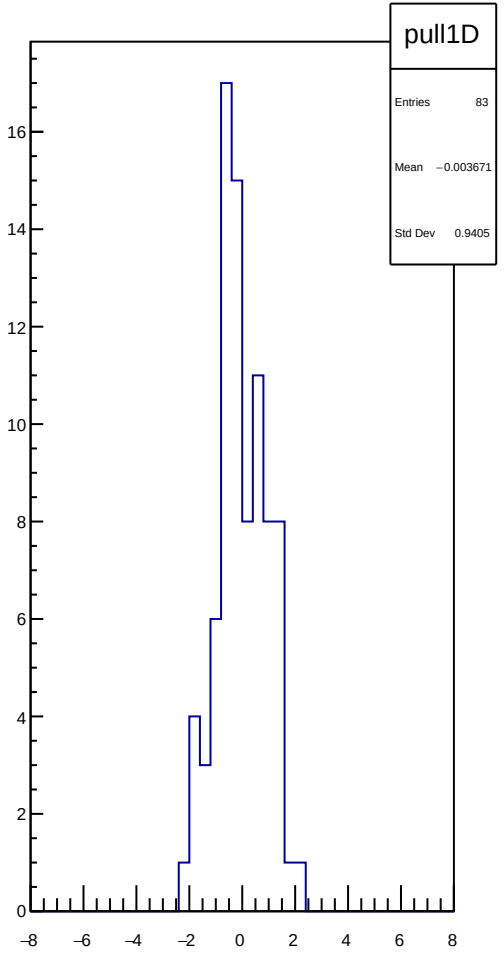

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 699.9 / 82
p0 1845 ± 1.469
1950
1900
1850
1800
1750

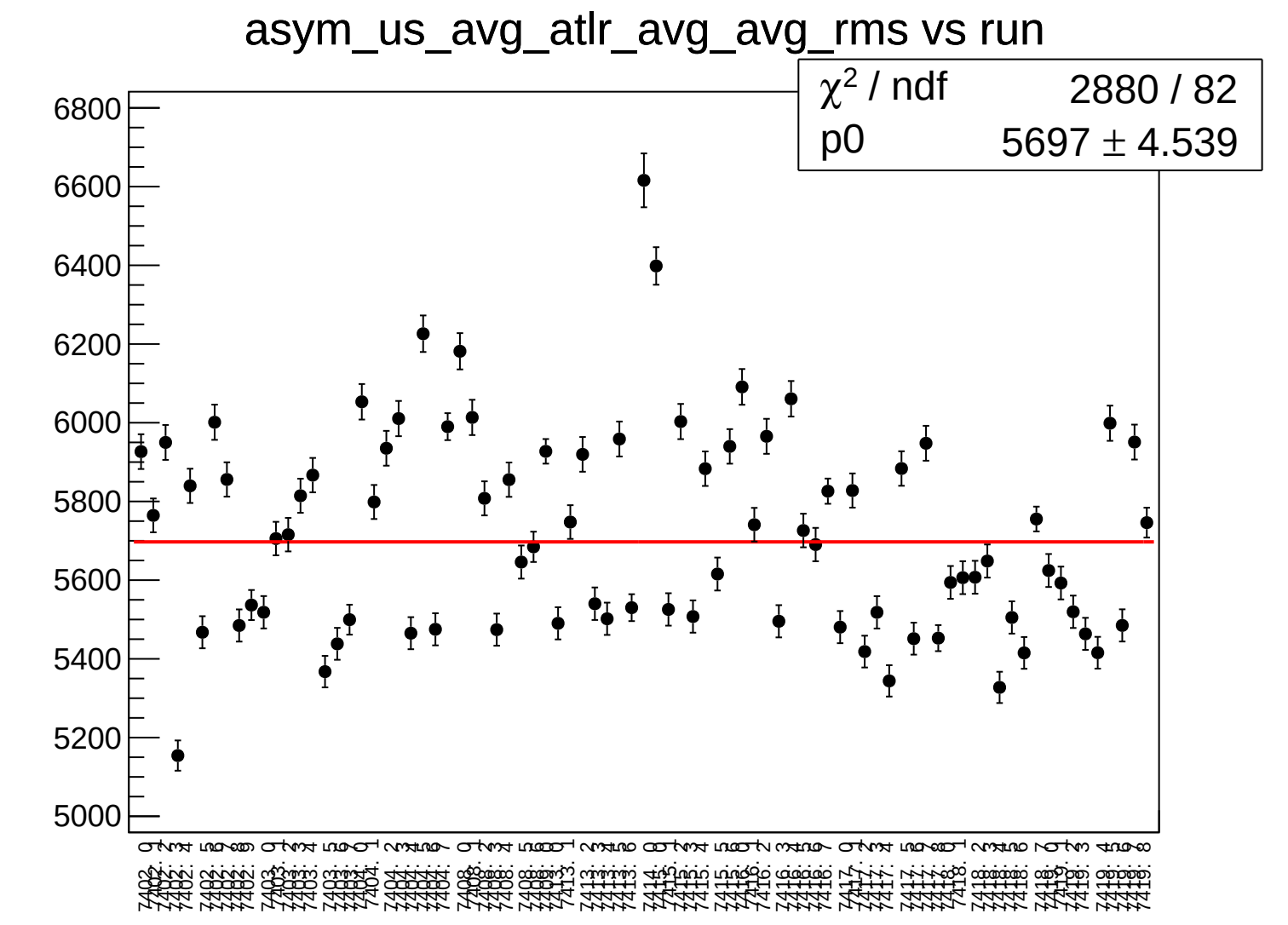

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.61 / 82
p0 1870 ± 6463
200
100
0
−100
−200
pull
Entries 83
Mean −794.5
Std Dev 0
2
1
0
−1
−2

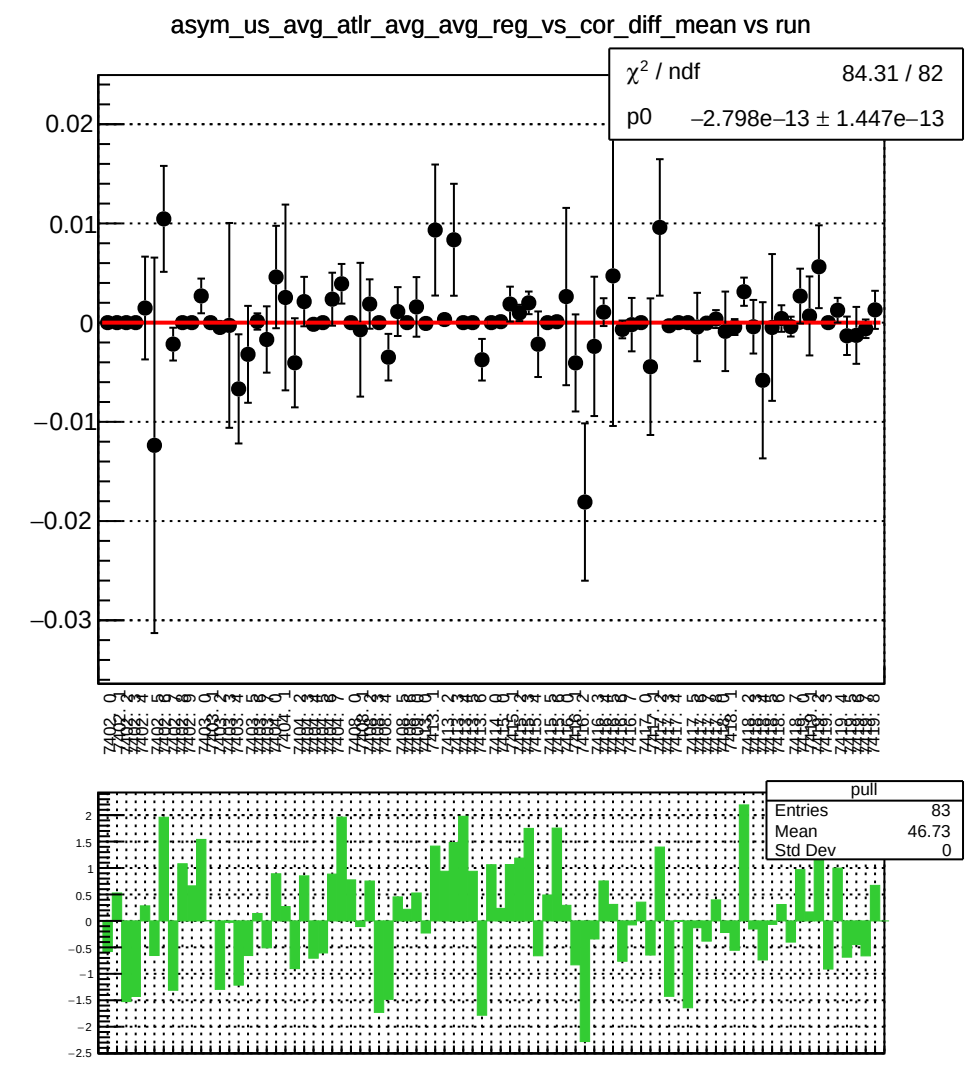

pull1D
Entries 83
Mean 0.003258
Std Dev 0.9855
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

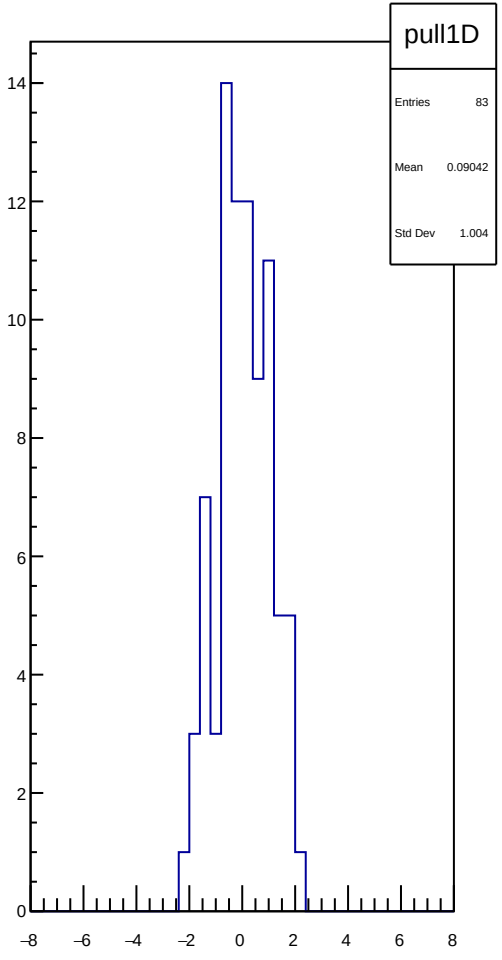

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3183 / 82
p0 5736 ± 4.57
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

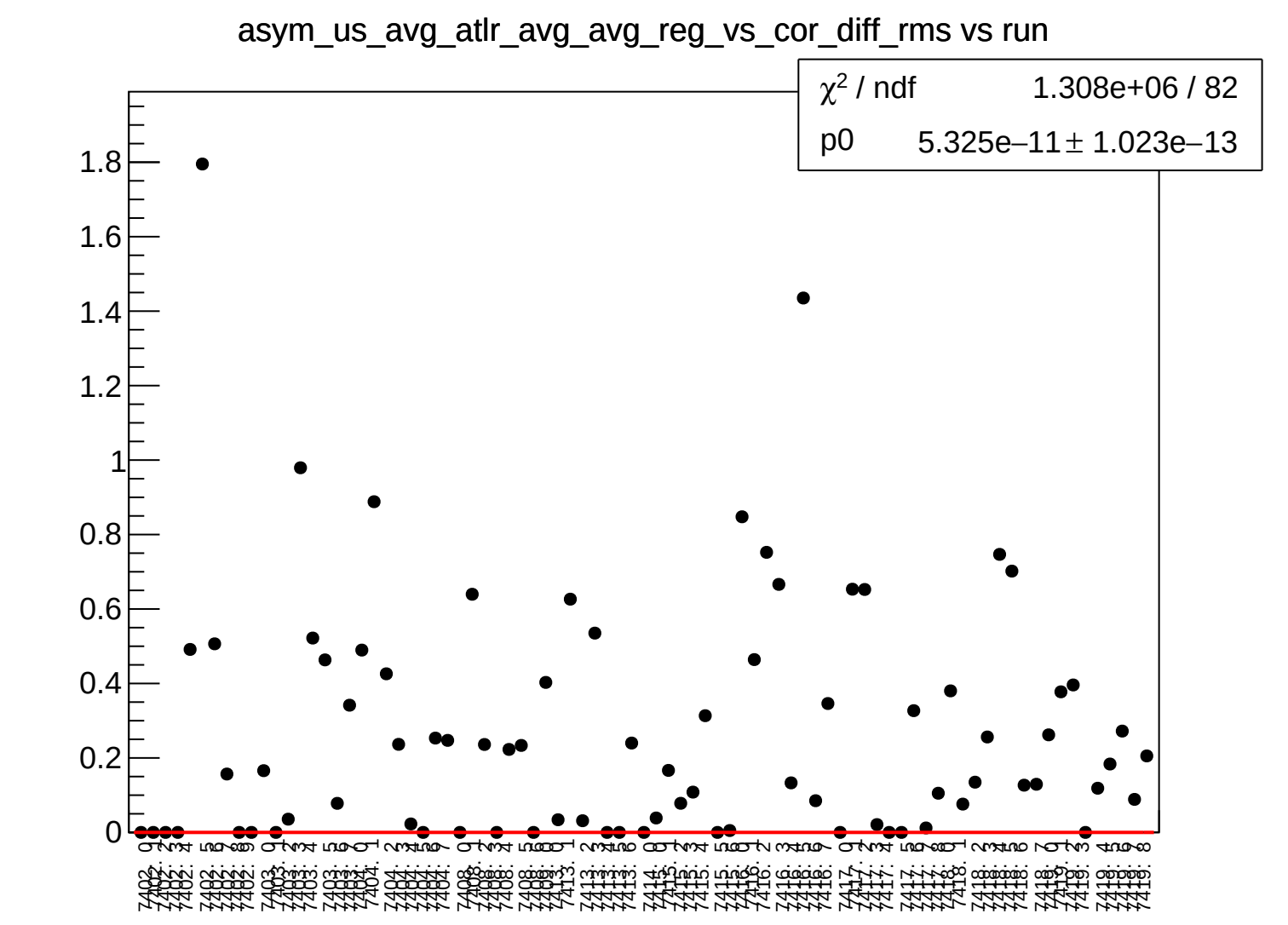

asym_us_avg_atlr_avg_avg_mean vs run
χ^2 / ndf 73.42 / 82
p0 4529 ± 6419
×10^3
pull
Entries 83
Mean −907.3
Std Dev 0

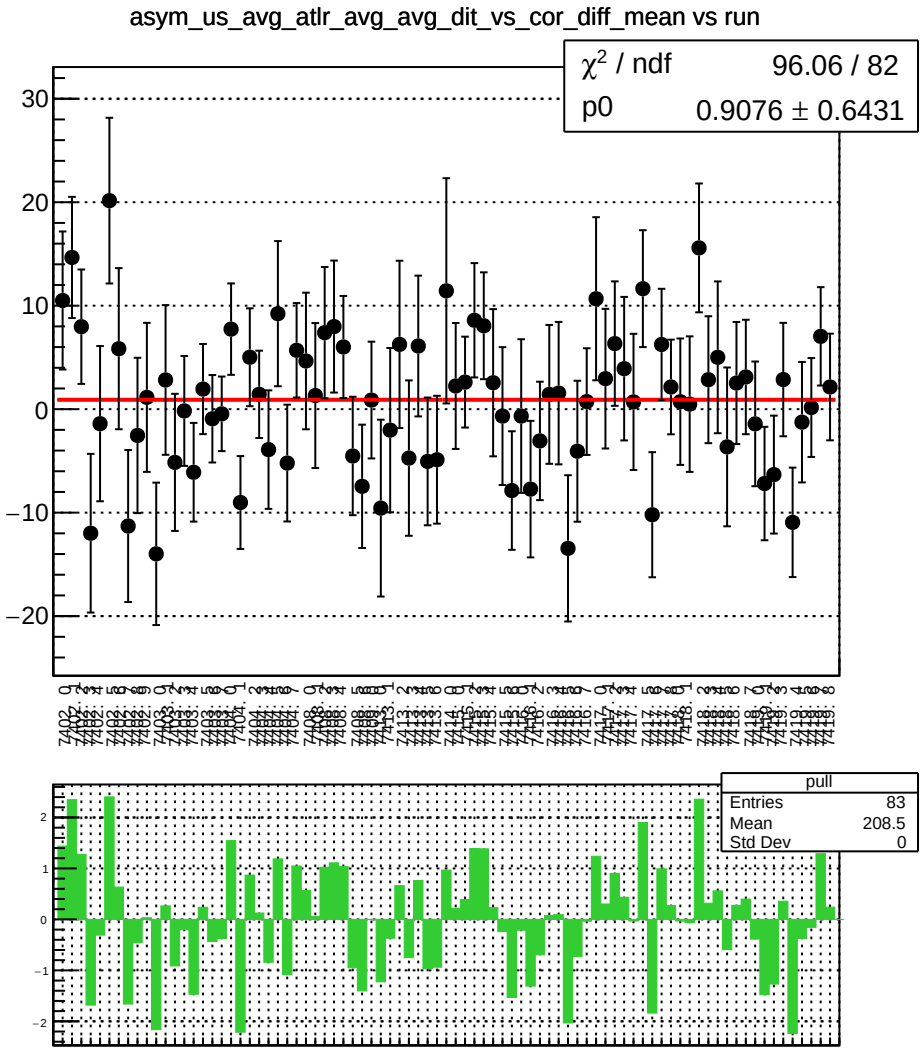

pull1D
Entries 83
Mean −0.003671
Std Dev 0.9405

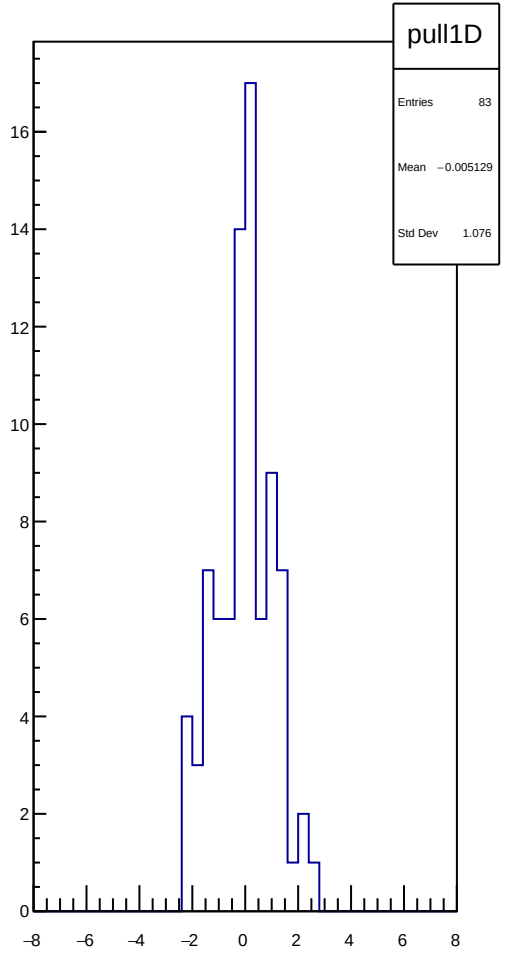

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 2880 / 82
p0 5697 ± 4.539
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

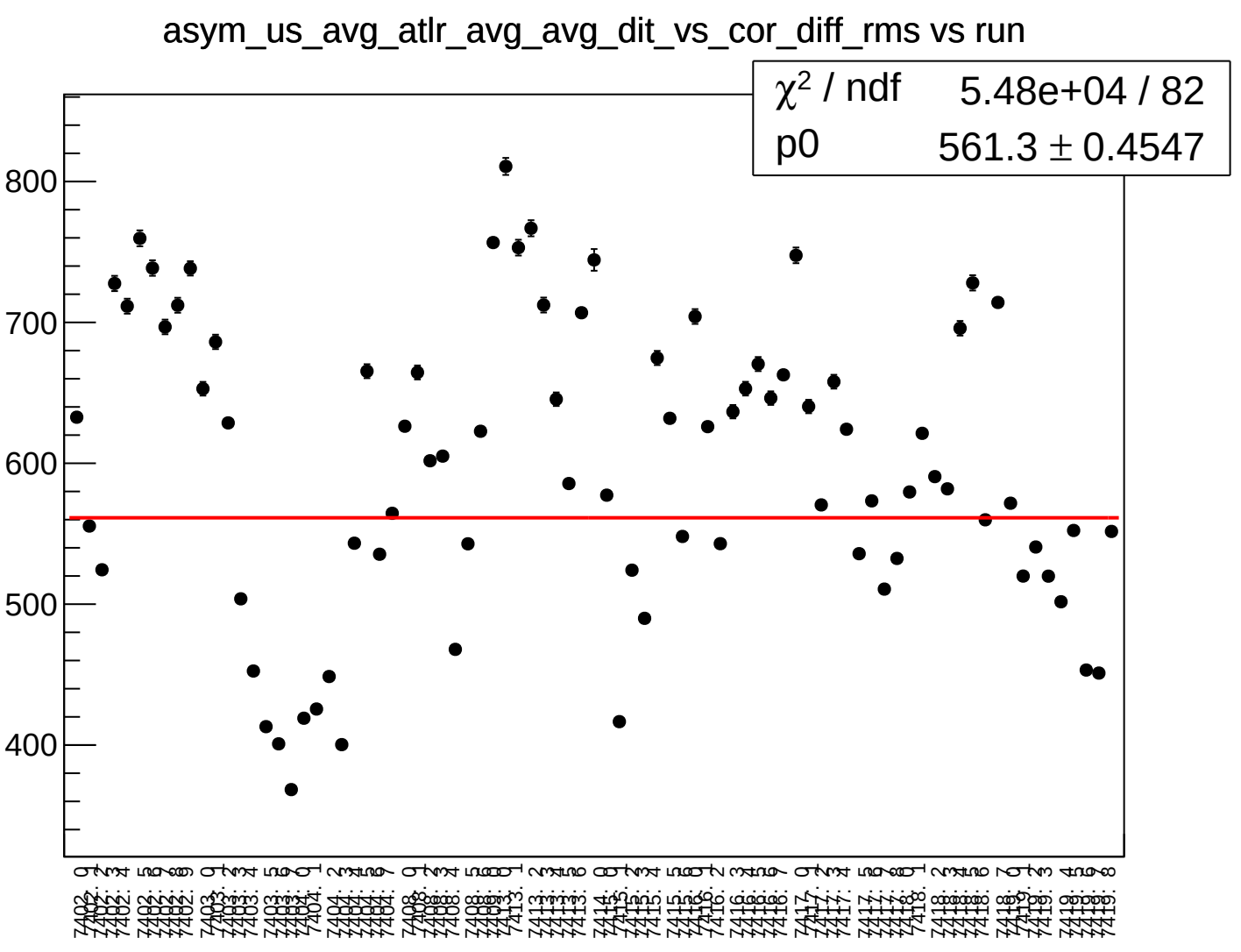

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.31 / 82
p0 −2.798e−13 ± 1.447e−13
pull
Entries 83
Mean 46.73
Std Dev 0

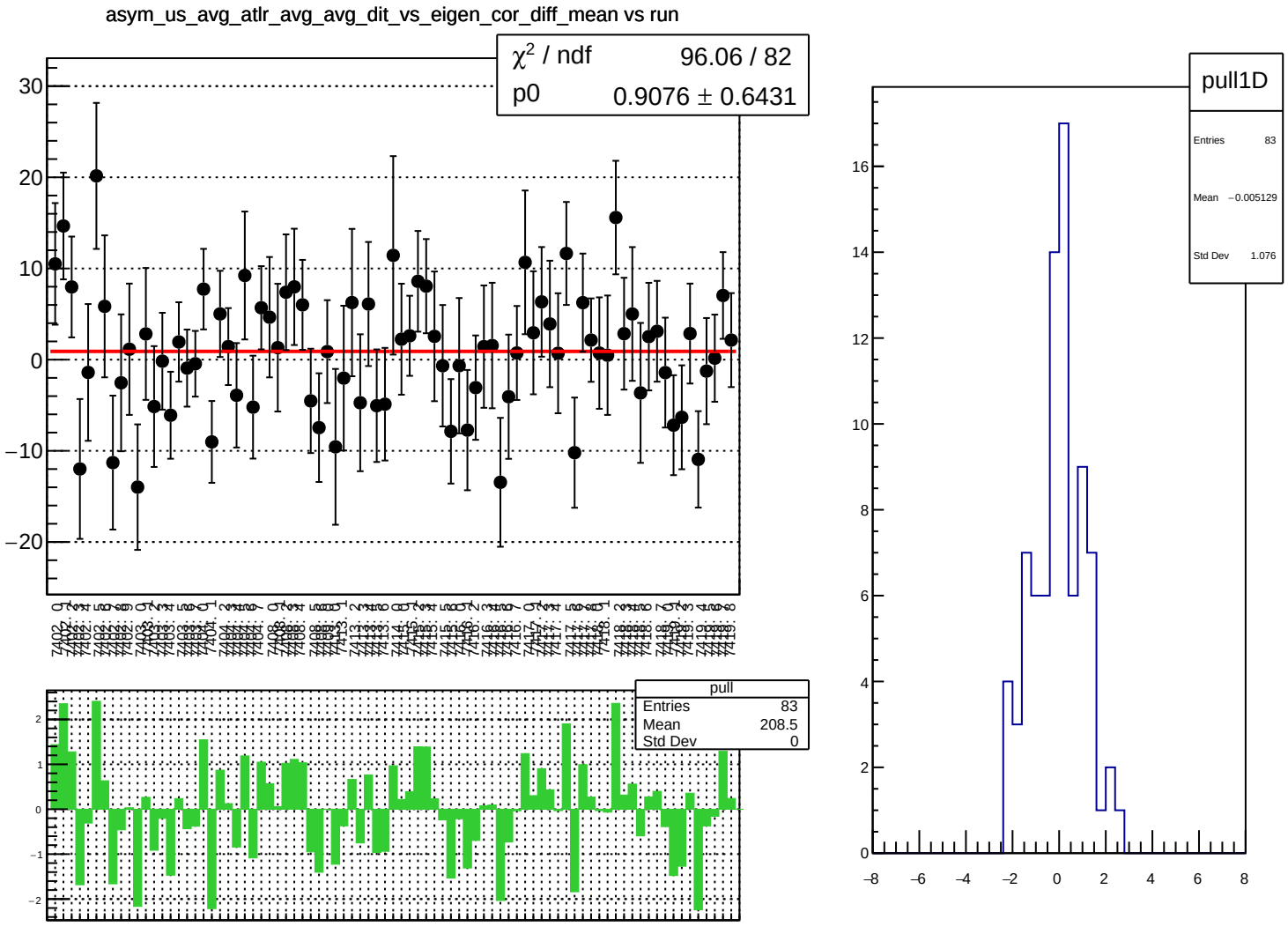

pull1D
Entries 83
Mean 0.09042
Std Dev 1.004

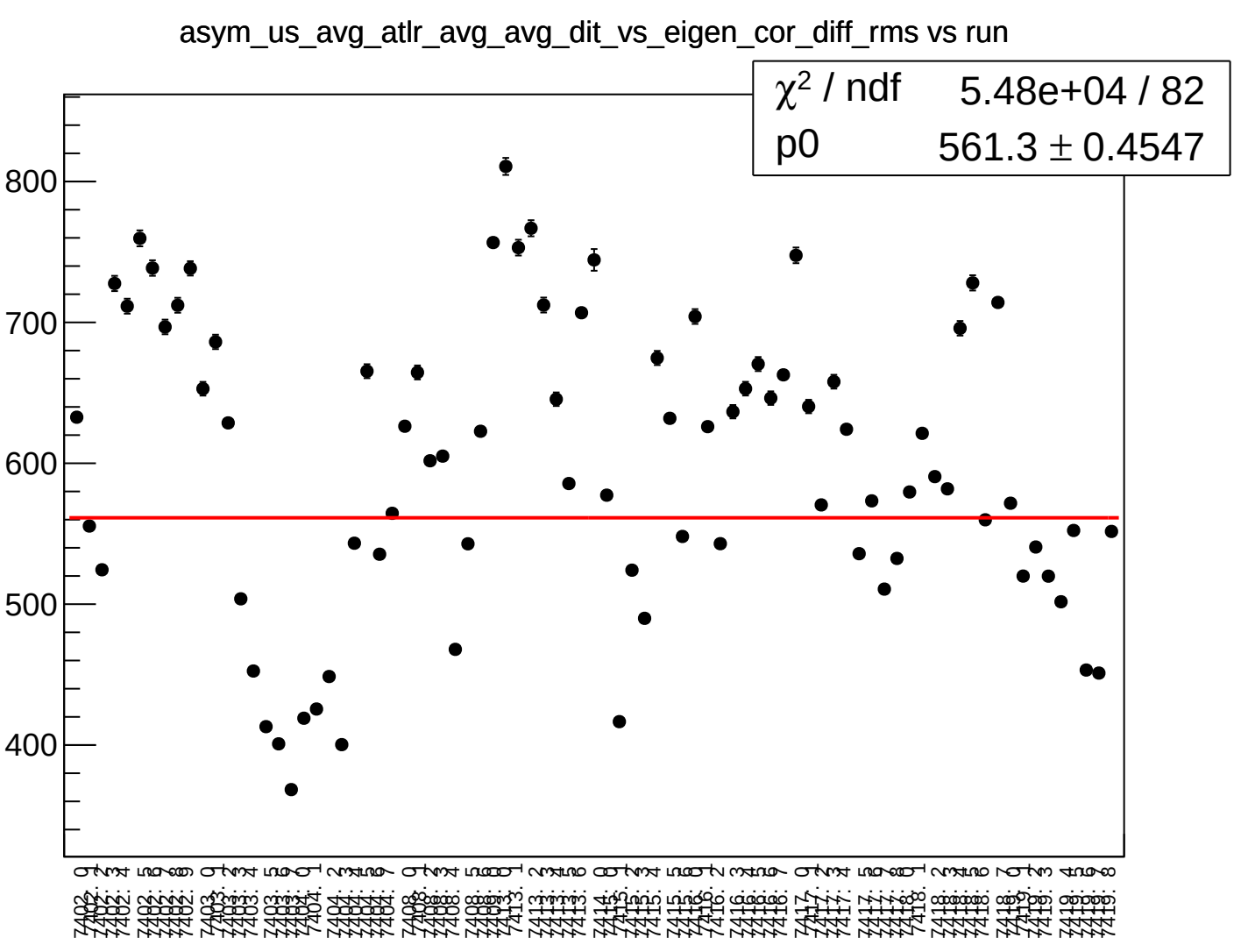

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.308e+06 / 82
p0 5.325e−11 ± 1.023e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

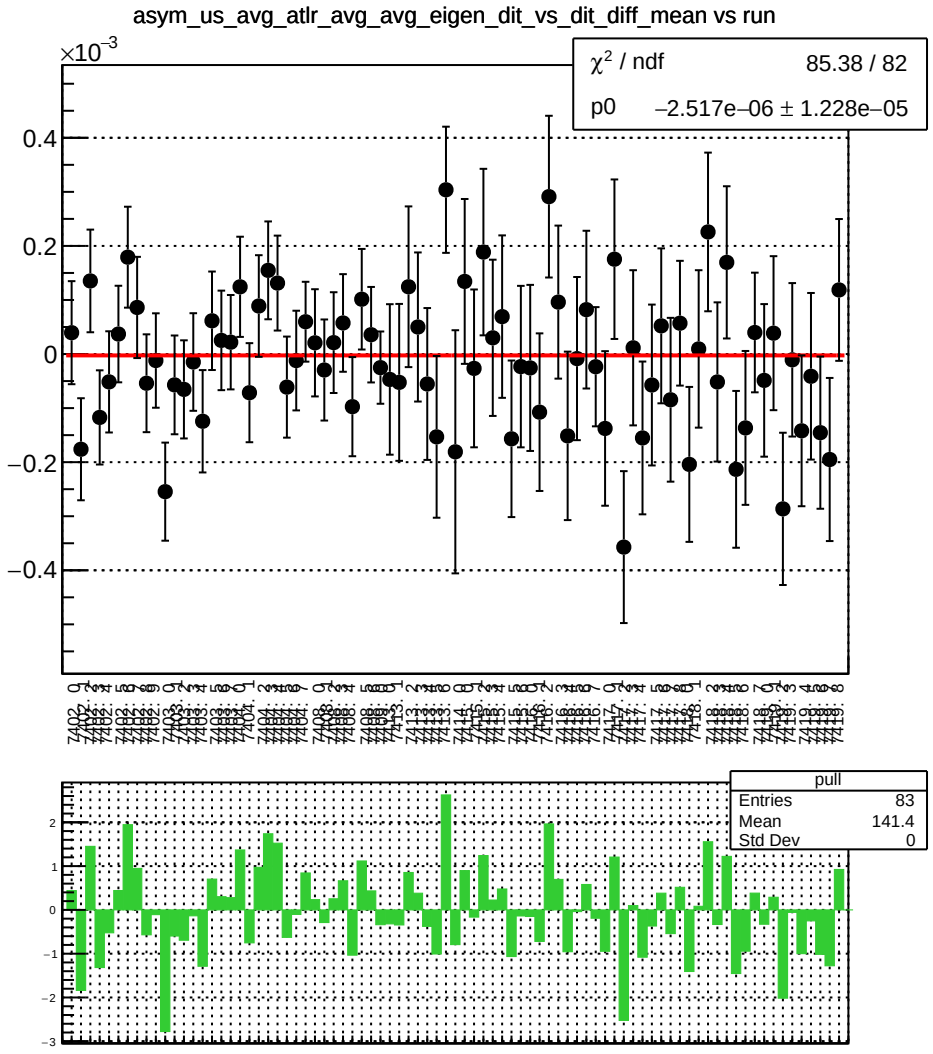

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 96.06 / 82
p0 0.9076 ± 0.6431
pull
Entries 83
Mean 208.5
Std Dev 0

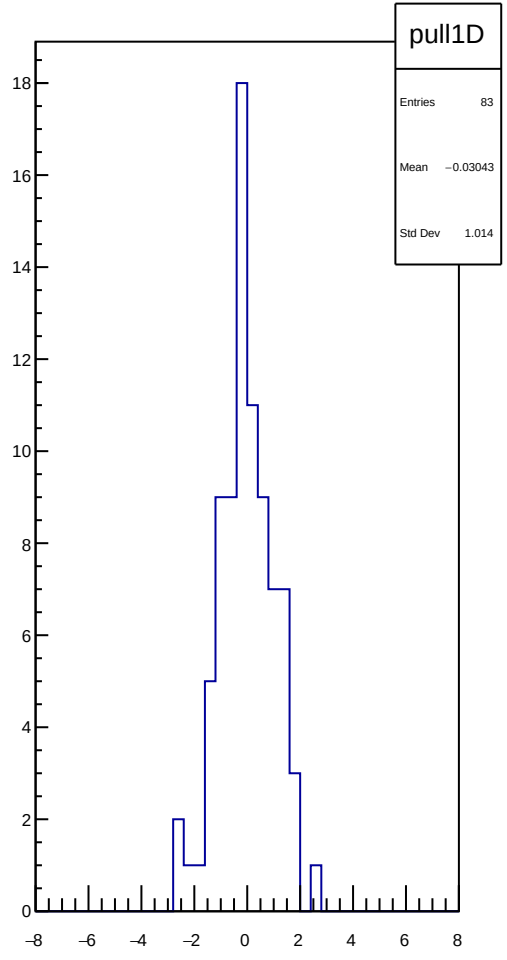

pull1D
Entries 83
Mean −0.005129
Std Dev 1.076

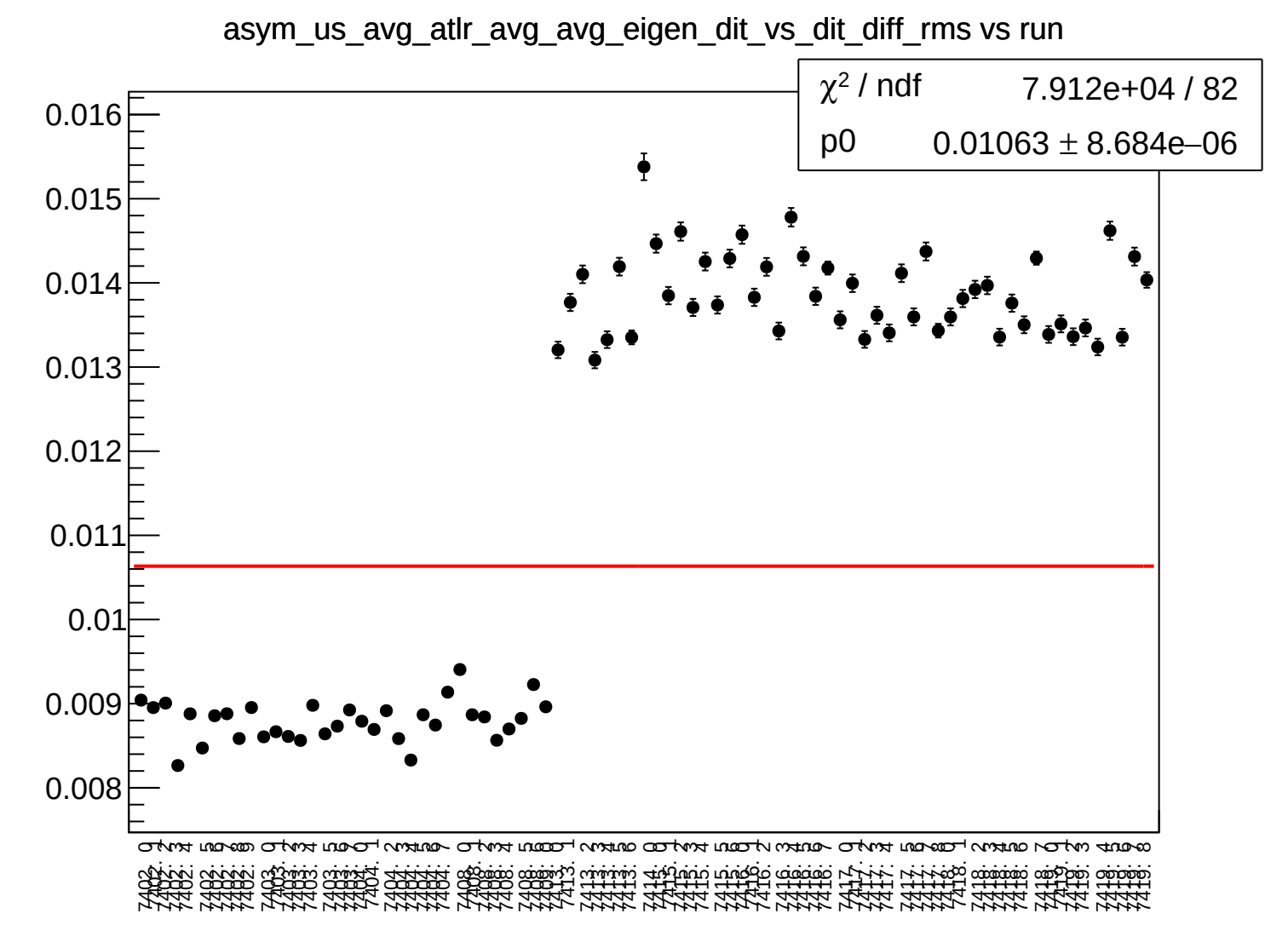

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 82
p0 561.3 ± 0.4547
800
700
600
500
400

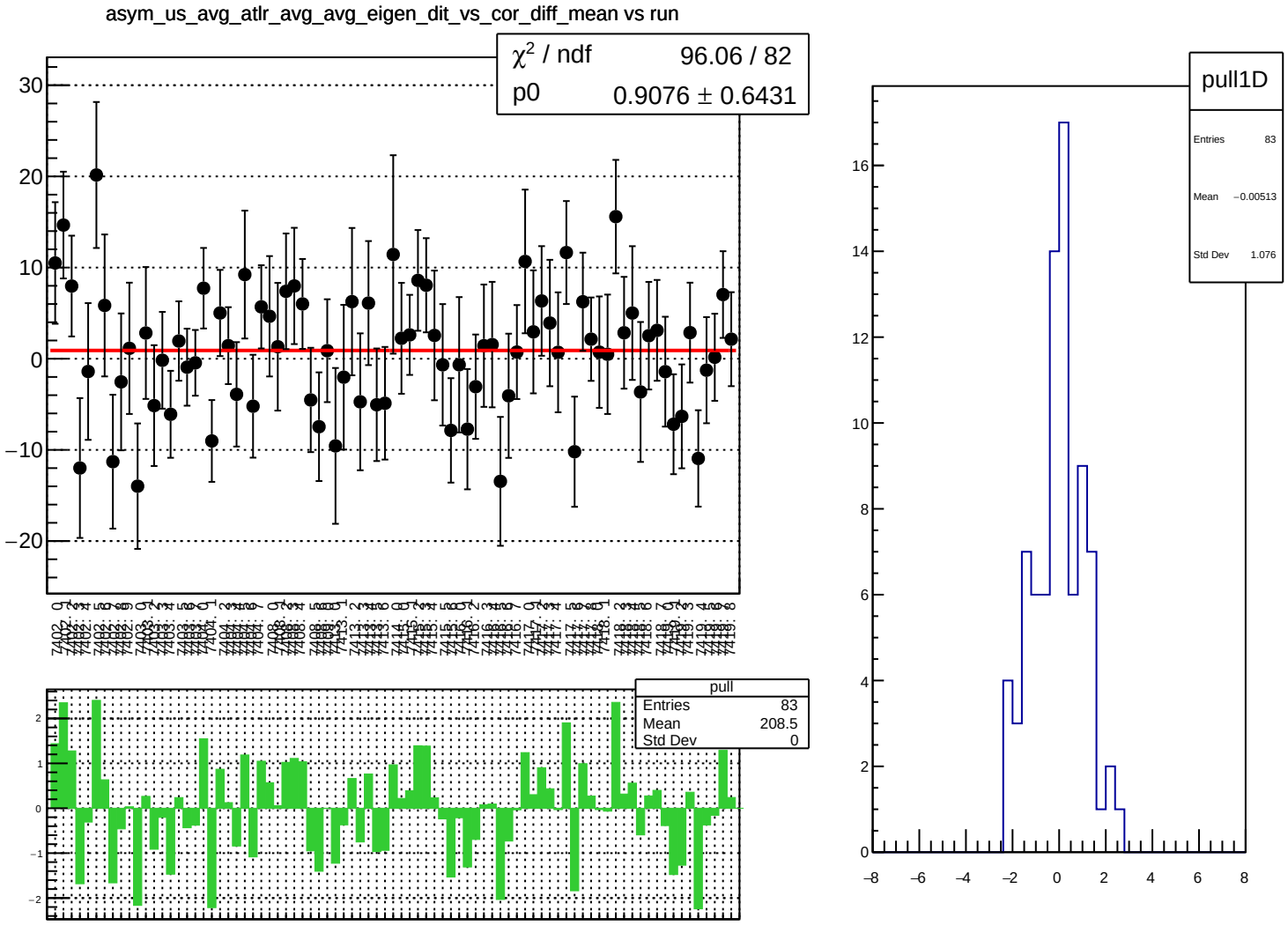

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.06 / 82
p0 0.9076 ± 0.6431
pull
Entries 83
Mean 208.5
Std Dev 0
pull1D
Entries 83
Mean −0.005129
Std Dev 1.076

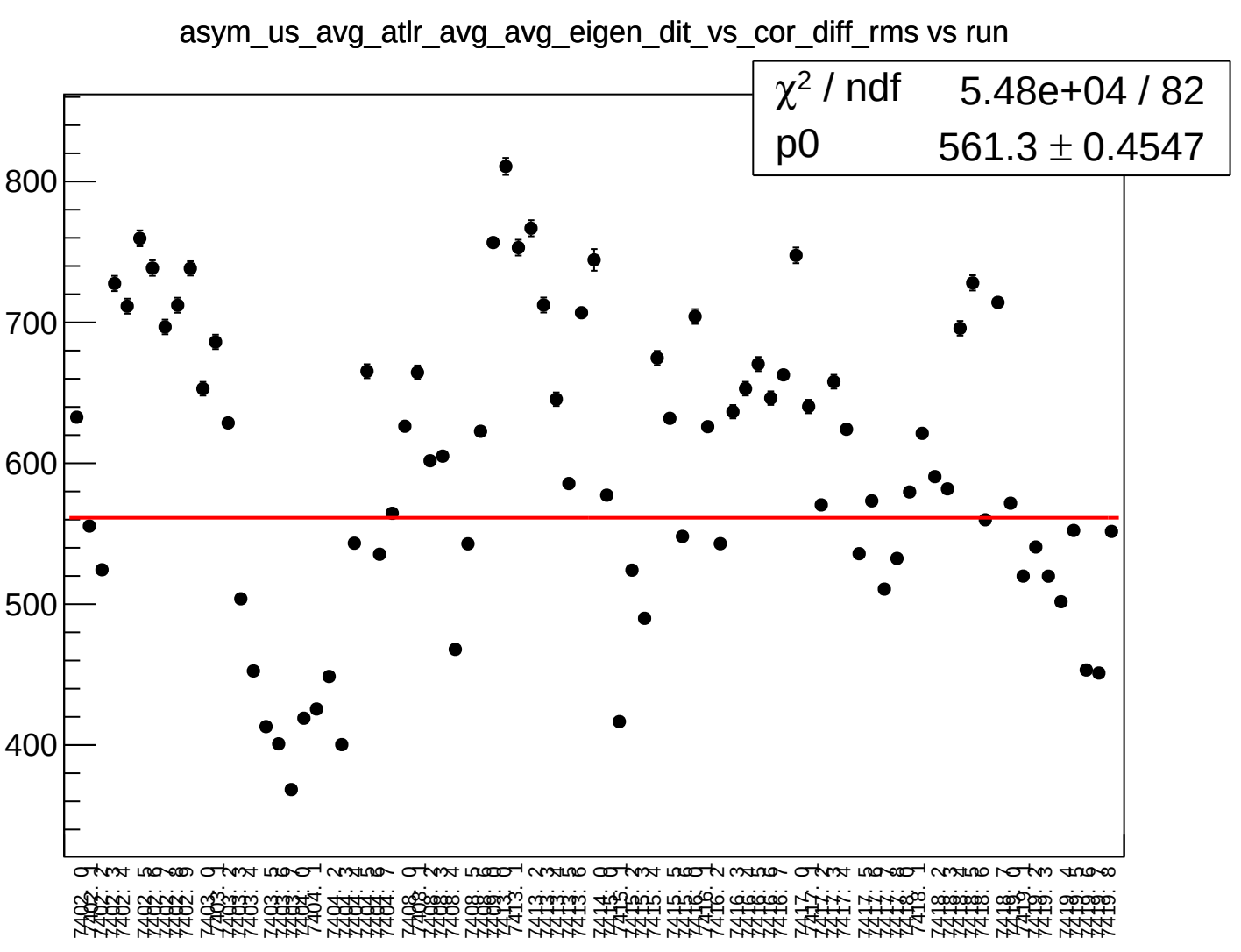

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 82
p0 561.3 ± 0.4547
800
700
600
500
400

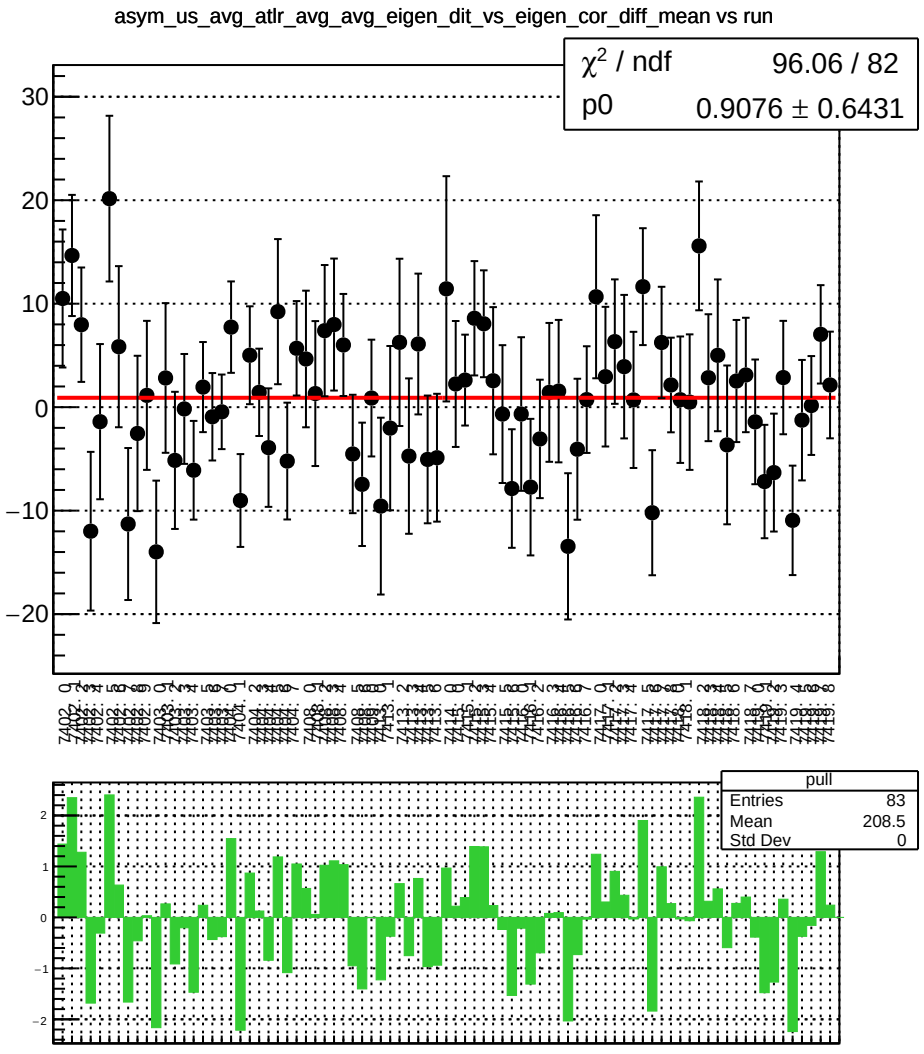

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.38 / 82
p0 −2.517e−06 ± 1.228e−05
pull
Entries 83
Mean 141.4
Std Dev 0

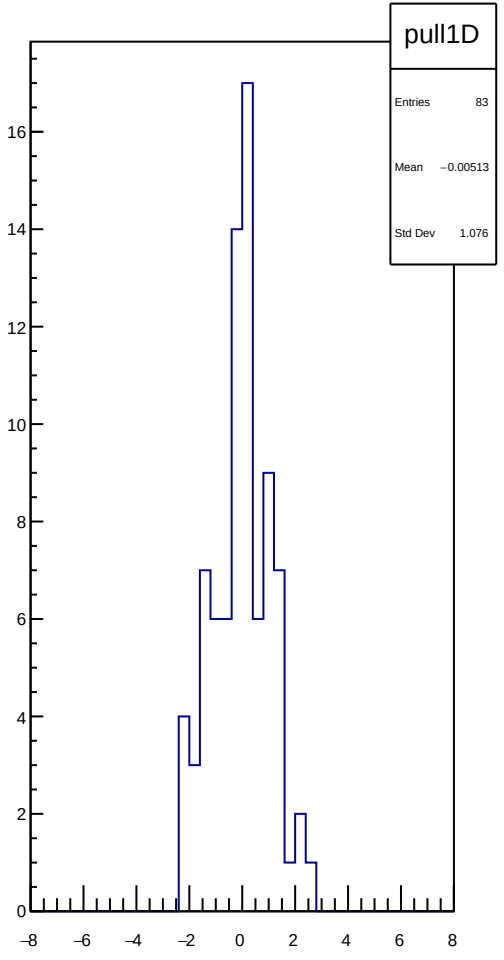

pull1D
Entries 83
Mean −0.03043
Std Dev 1.014

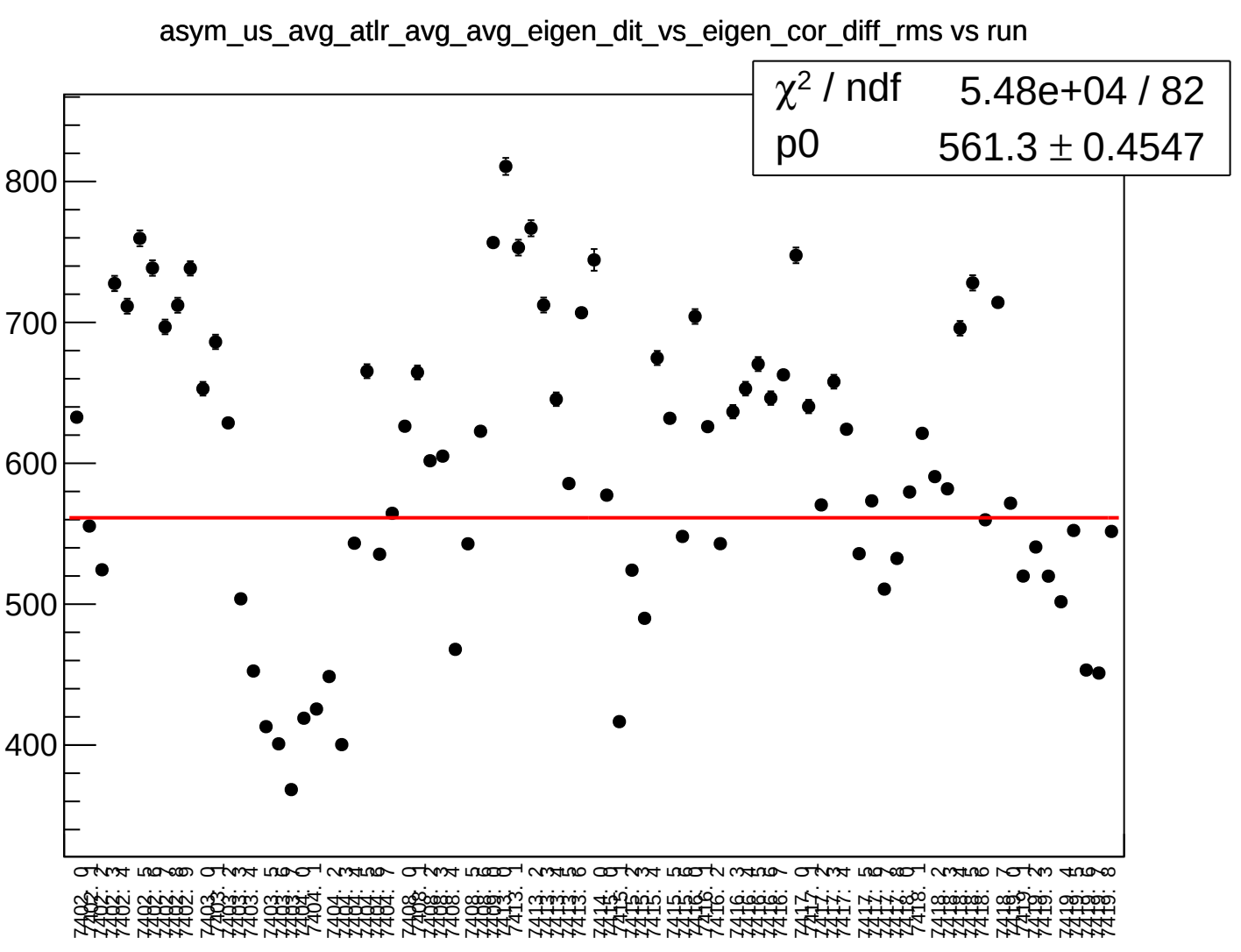

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7.912e+04 / 82
p0 0.01063 ± 8.684e−06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008

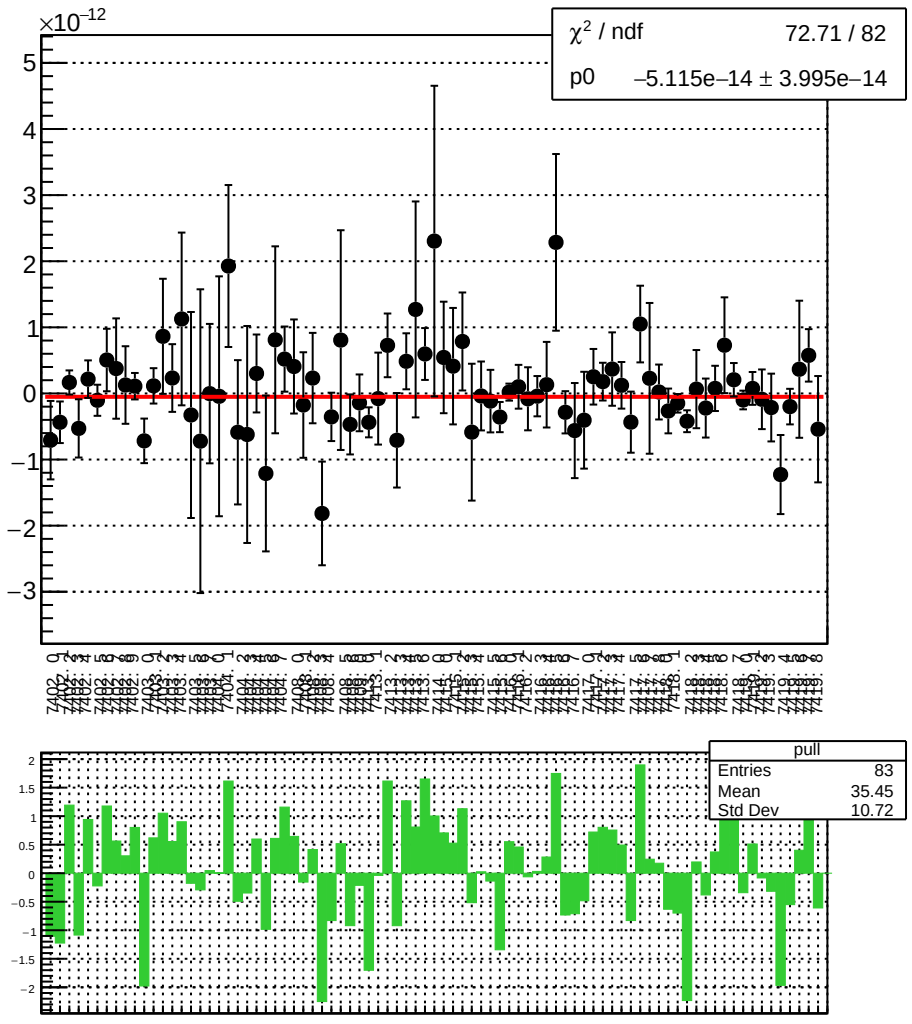

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 96.06 / 82
p0 0.9076 ± 0.6431
pull
Entries 83
Mean 208.5
Std Dev 0
pull1D
Entries 83
Mean −0.00513
Std Dev 1.076

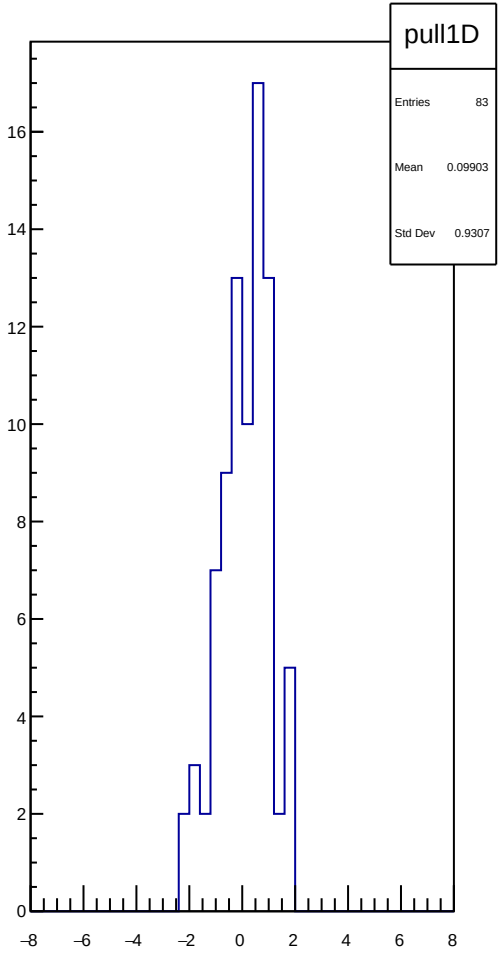

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 82
p0 561.3 ± 0.4547
800
700
600
500
400

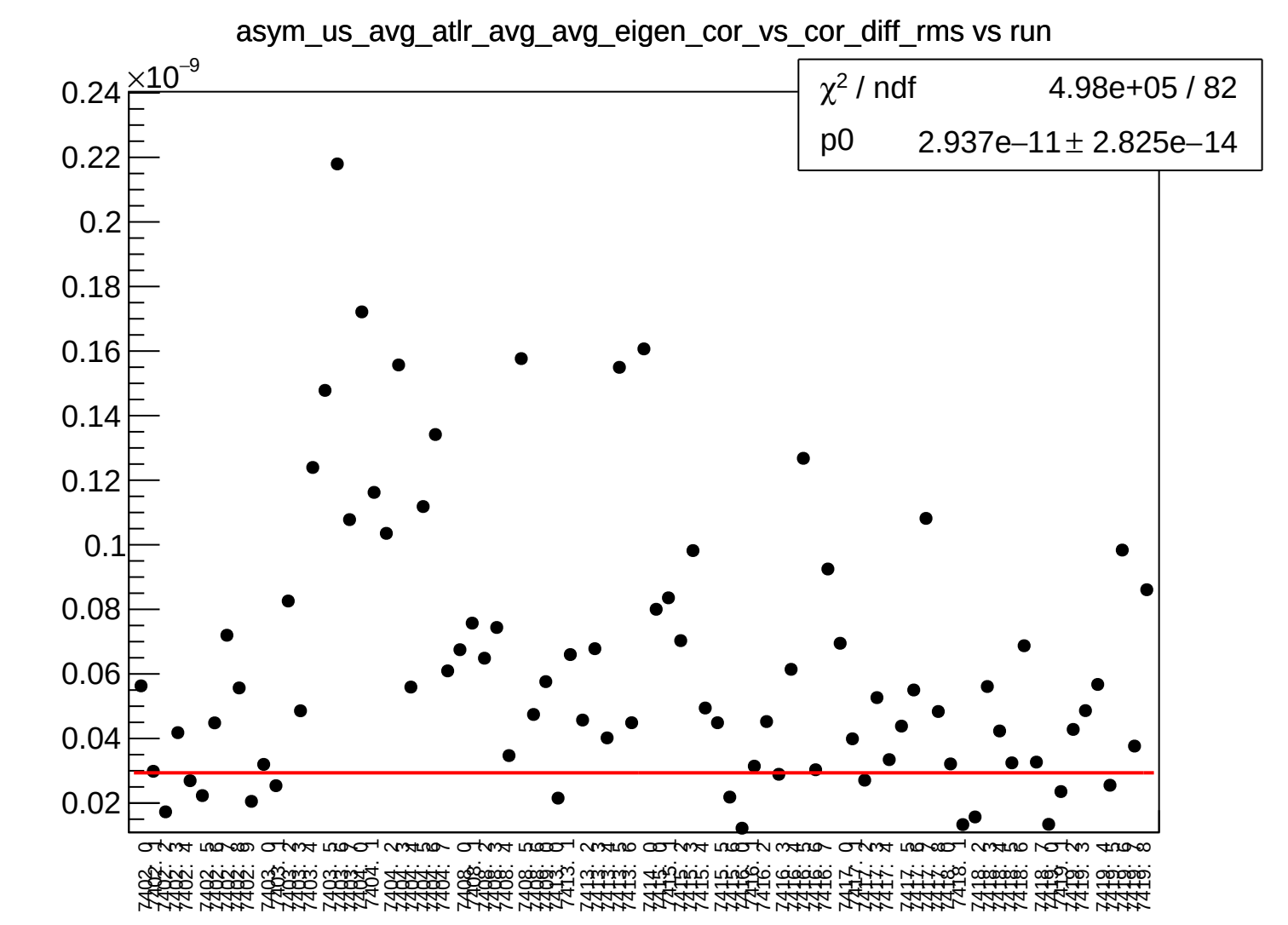

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.06 / 82
p0 0.9076 ± 0.6431
pull
Entries 83
Mean 208.5
Std Dev 0

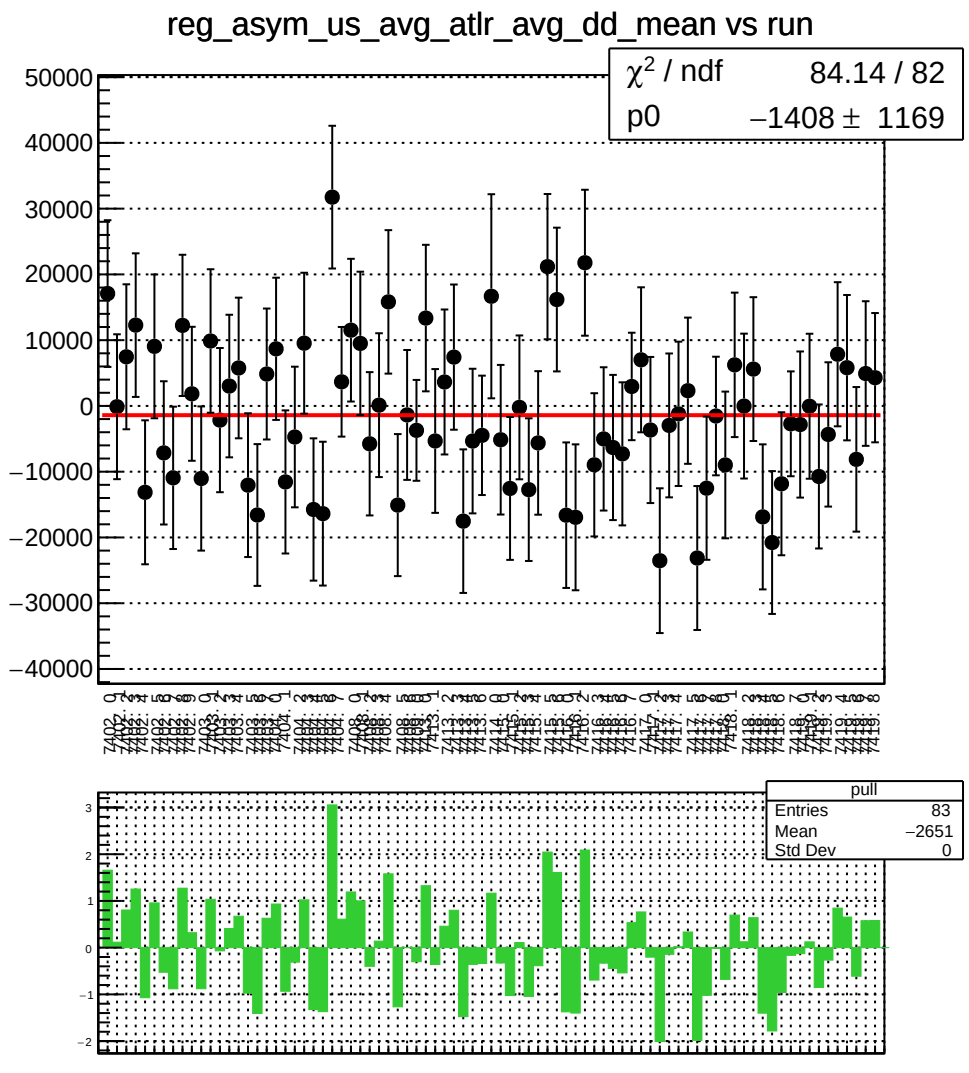

pull1D
Entries 83
Mean −0.00513
Std Dev 1.076

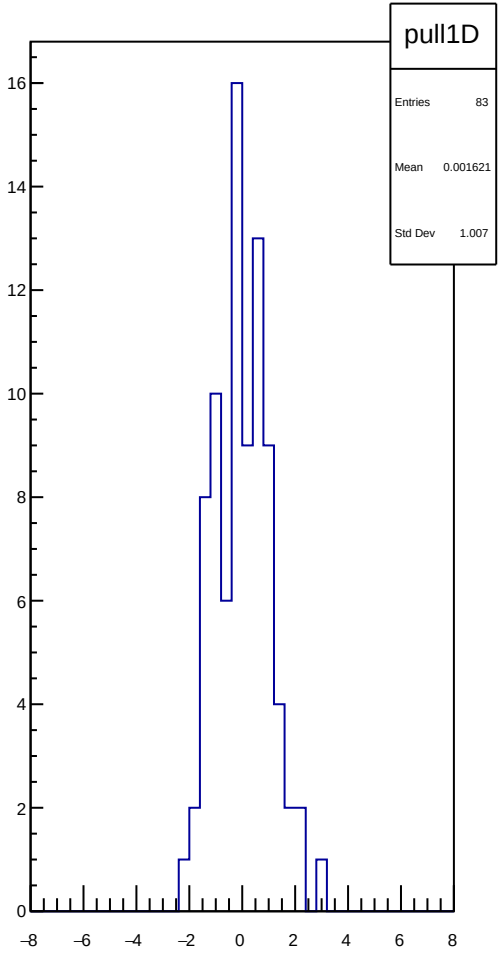

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 82
p0 561.3 ± 0.4547
800
700
600
500
400

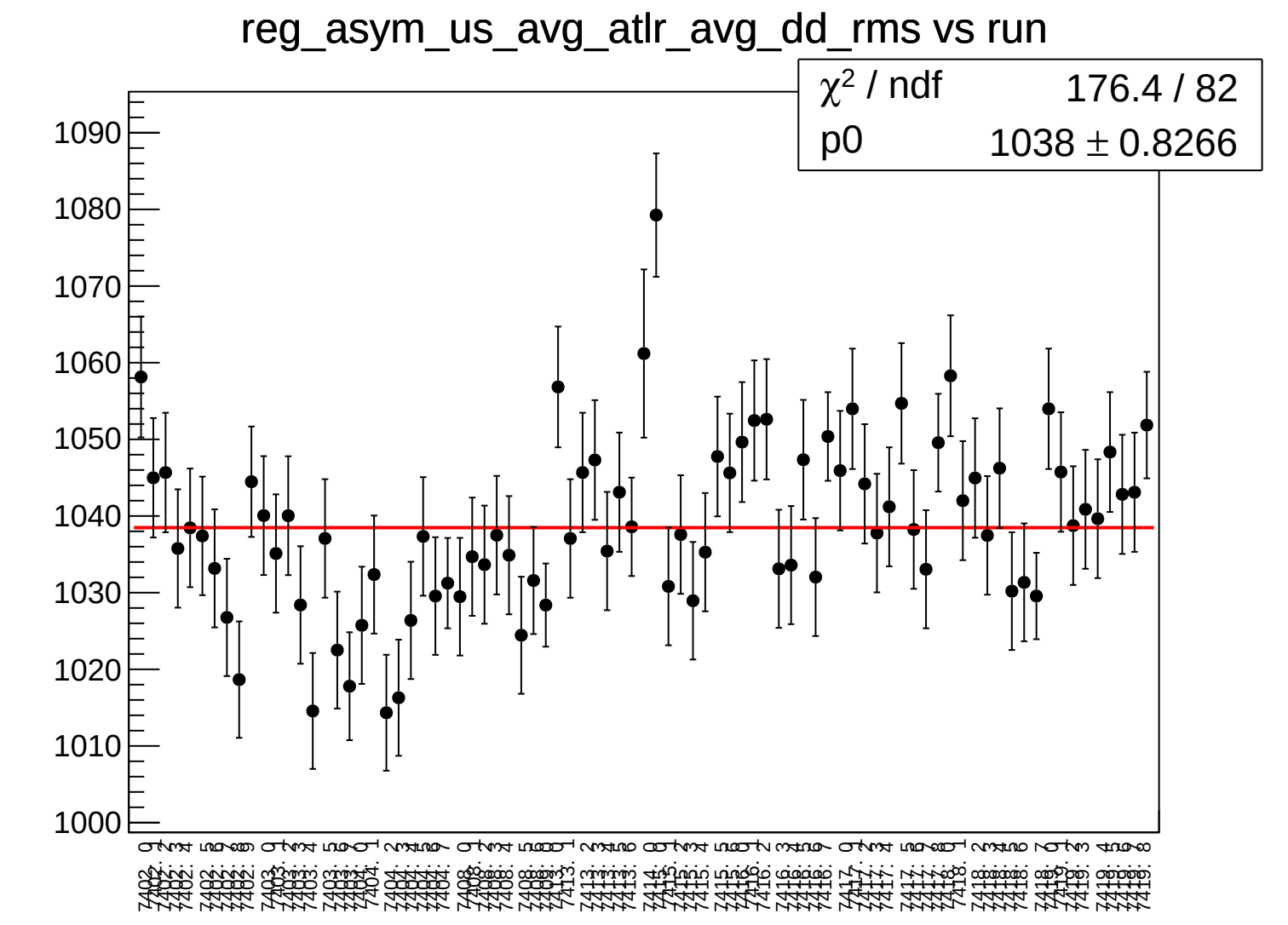

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.71 / 82
p0 −5.115e−14 ± 3.995e−14
pull
Entries 83
Mean 35.45
Std Dev 10.72

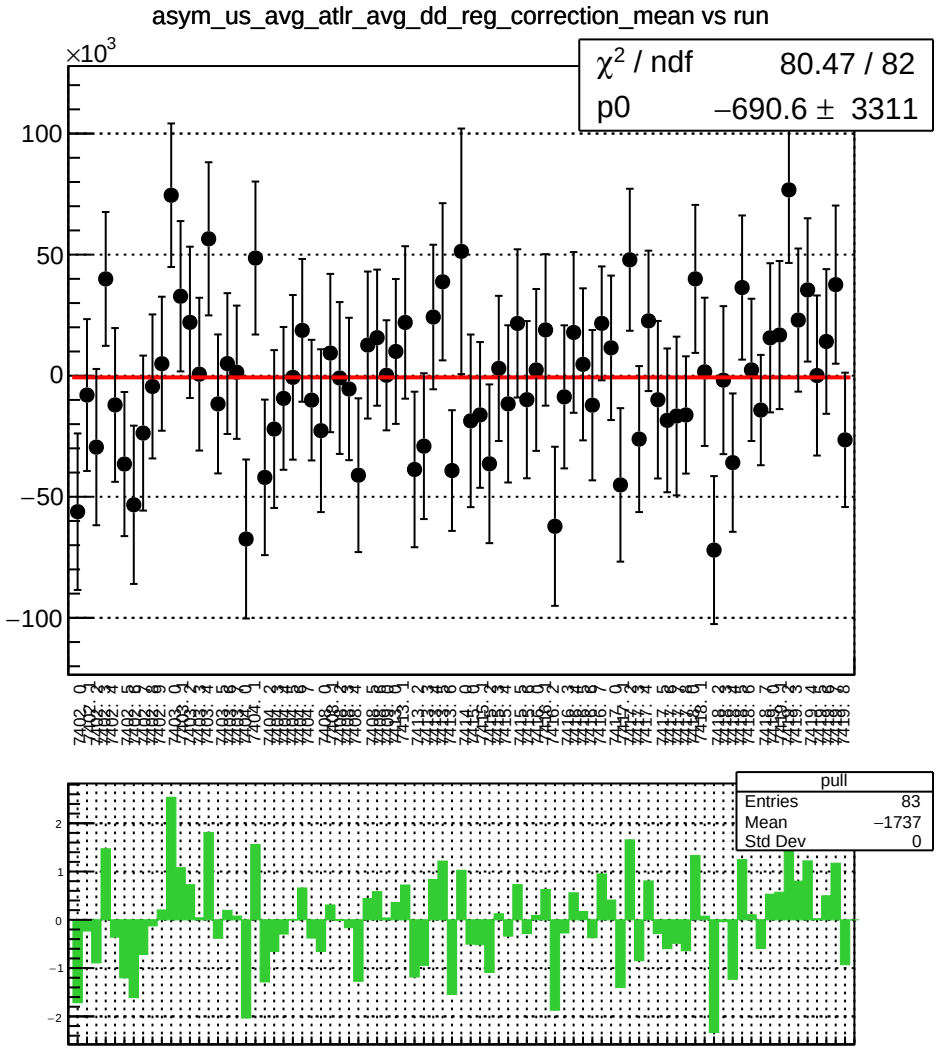

pull1D
Entries 83
Mean 0.09903
Std Dev 0.9307

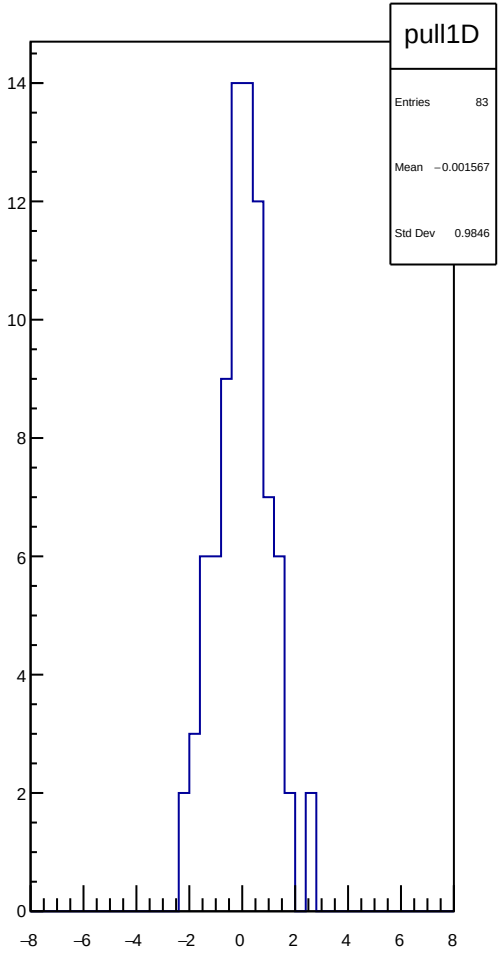

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.98e+05 / 82
p0 2.937e−11 ± 2.825e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

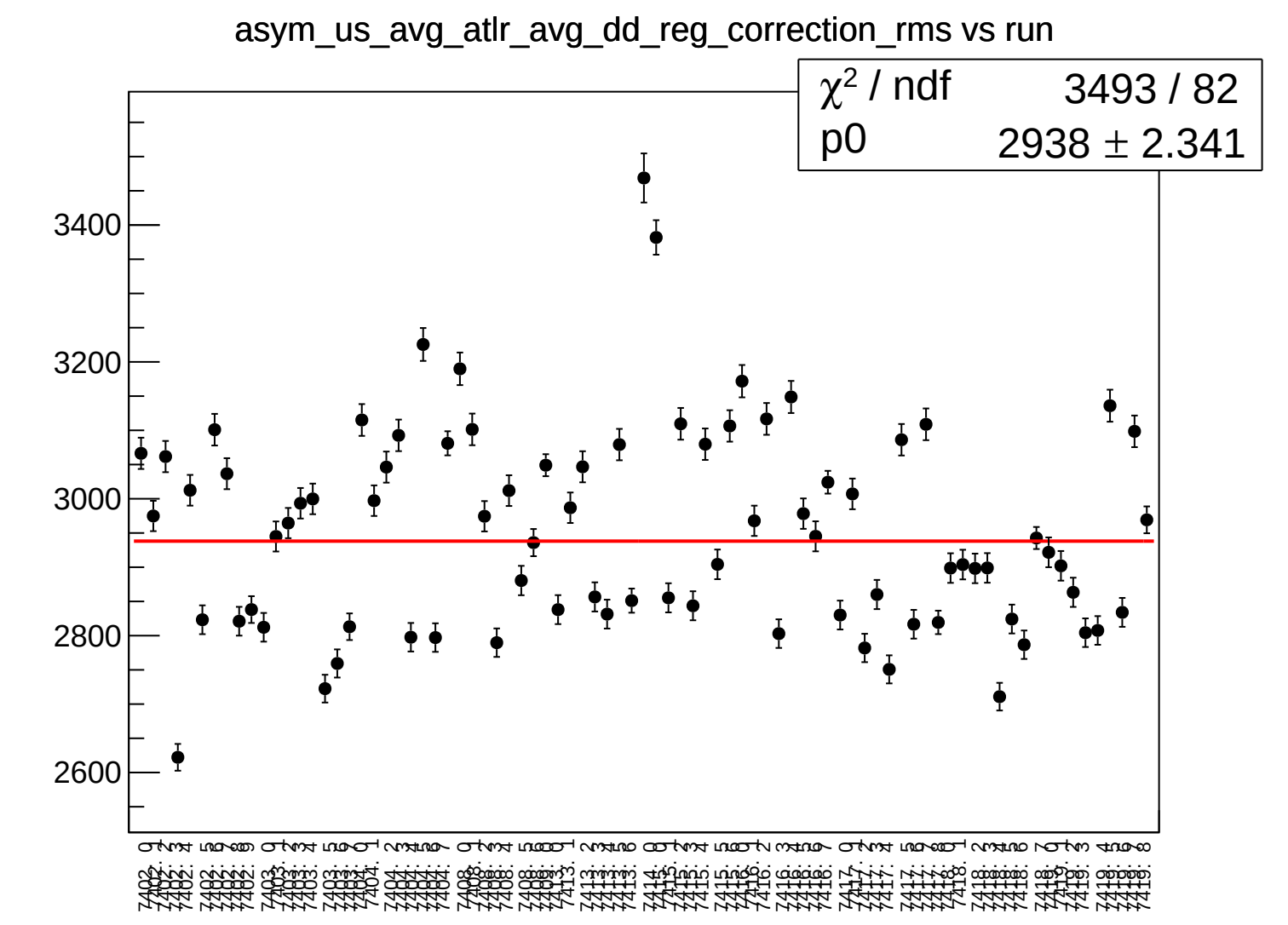

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 84.14 / 82
p0 −1408 ± 1169
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −2651
Std Dev 0
3
2
1
0
−1
−2

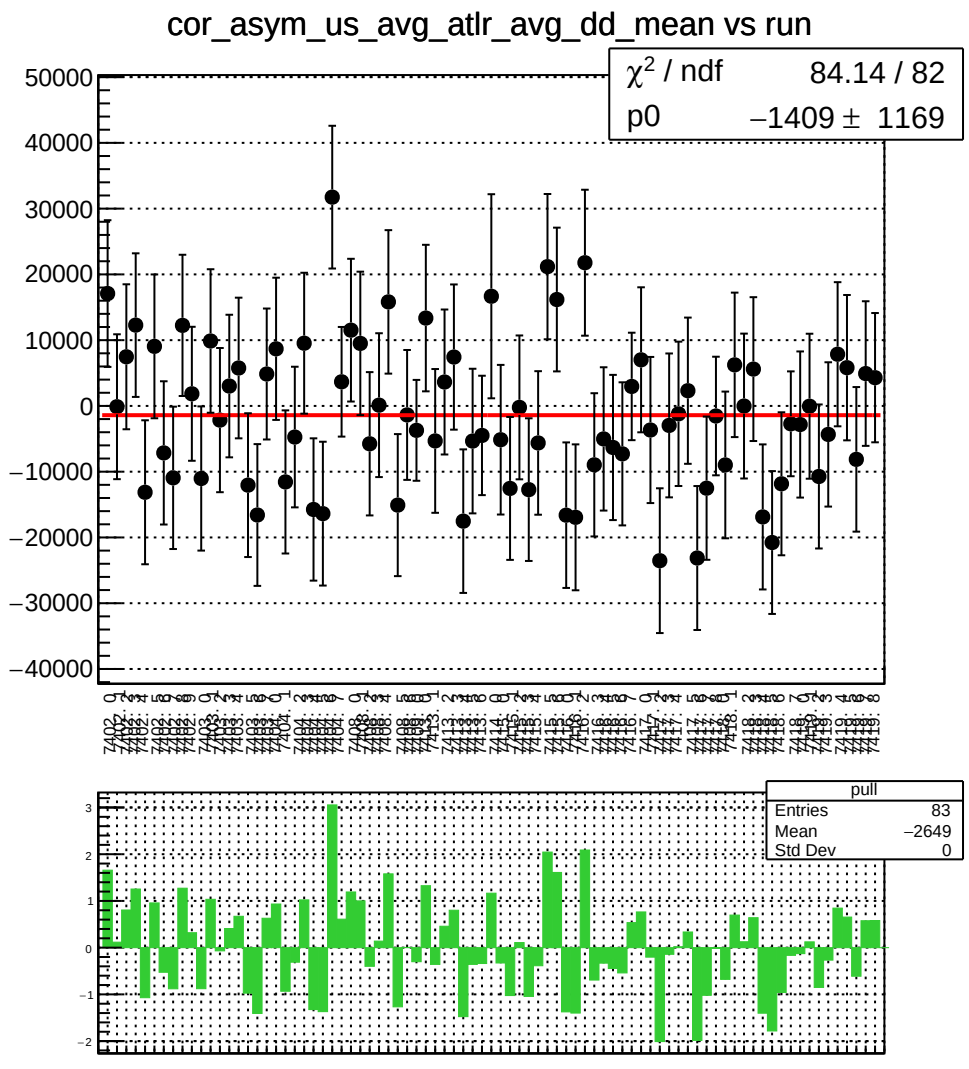

pull1D
Entries 83
Mean 0.001621
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

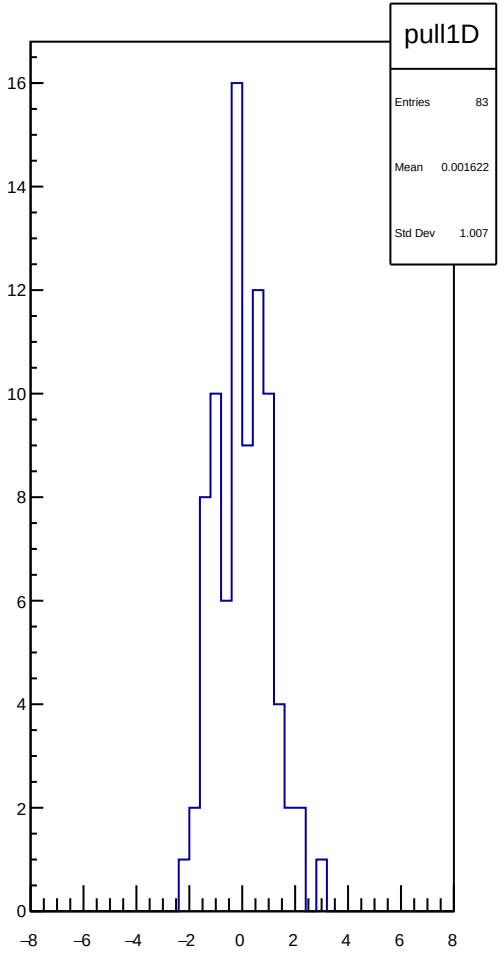

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 176.4 / 82
p0 1038 ± 0.8266
1090
1080
1070
1060
1050
1040
1030
1020
1010
1000

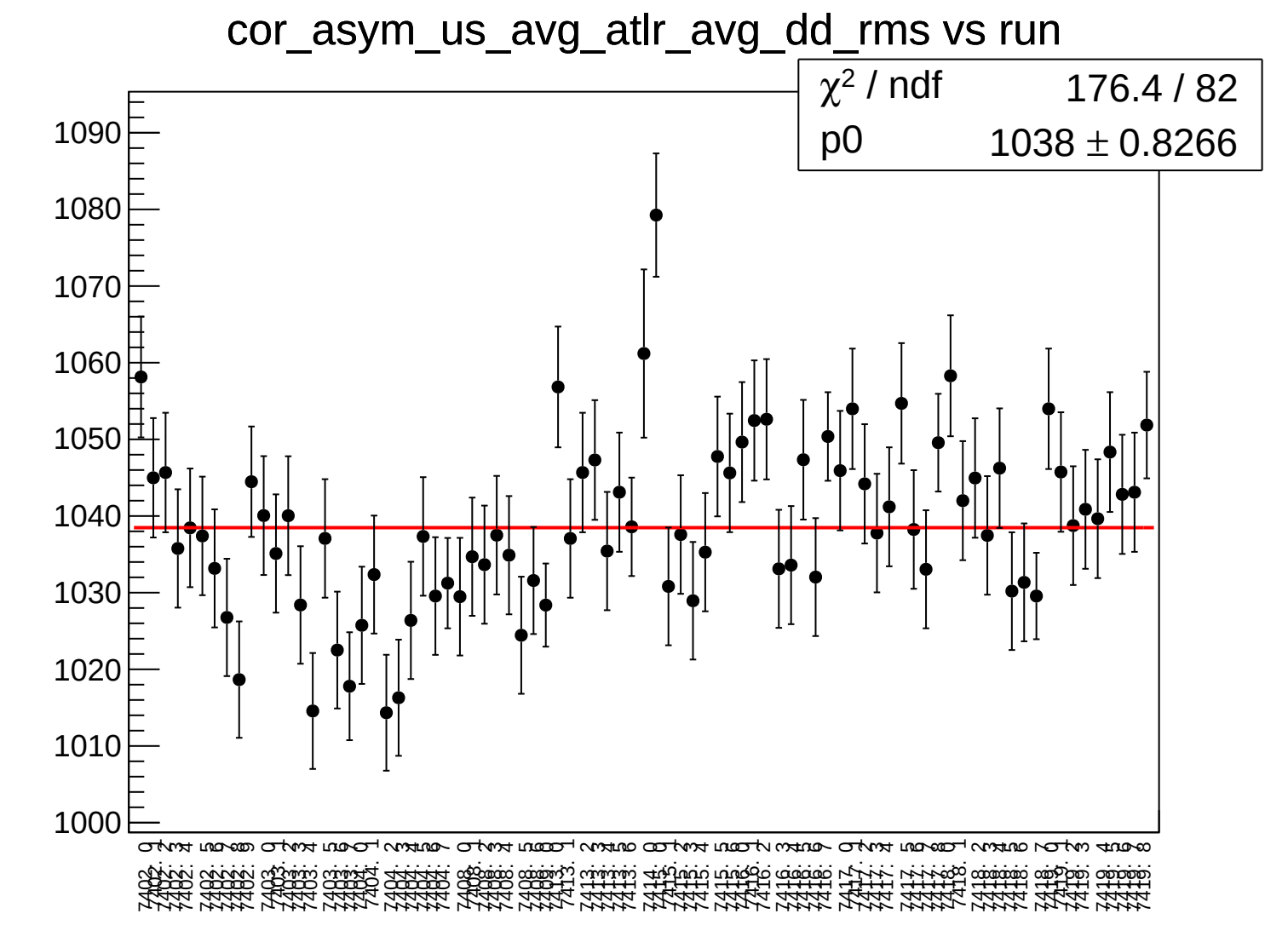

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 80.47 / 82
p0 −690.6 ± 3311
100
50
0
−50
−100
pull
Entries 83
Mean −1737
Std Dev 0
2
1
0
−1
−2

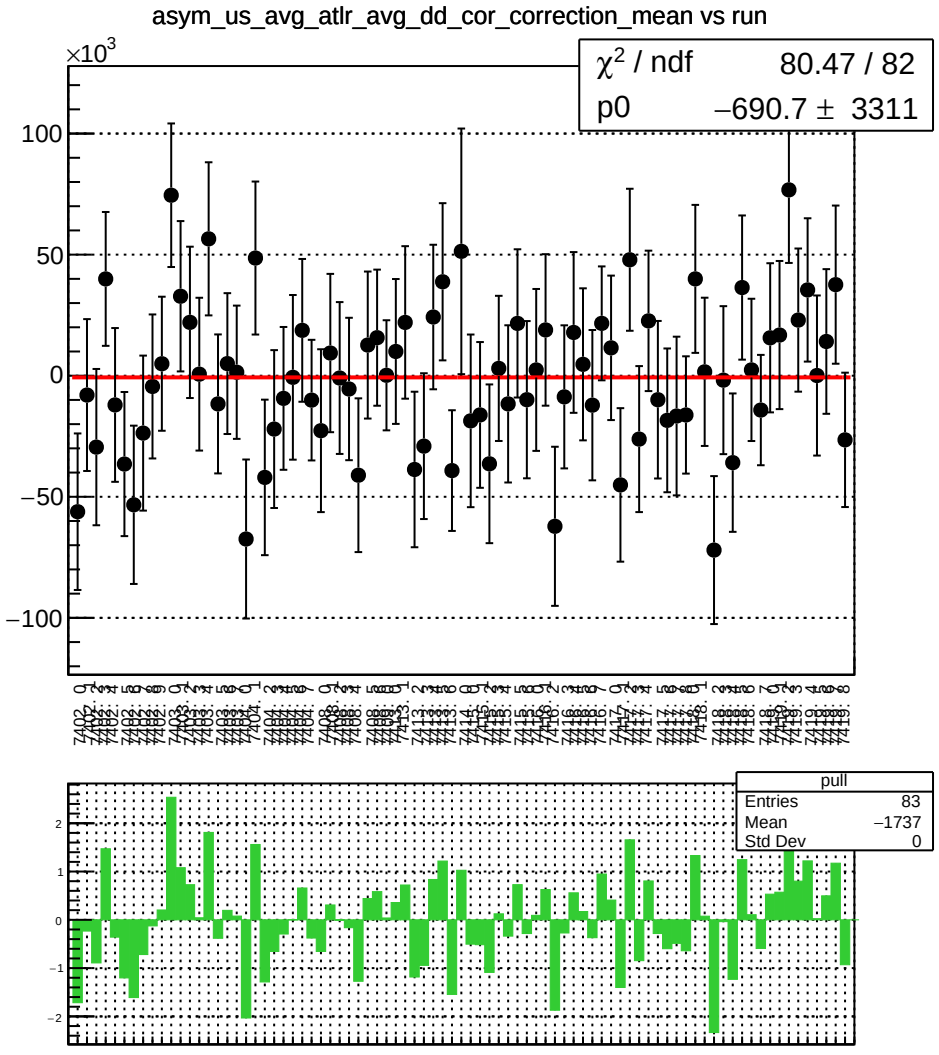

pull1D
Entries 83
Mean −0.001567
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

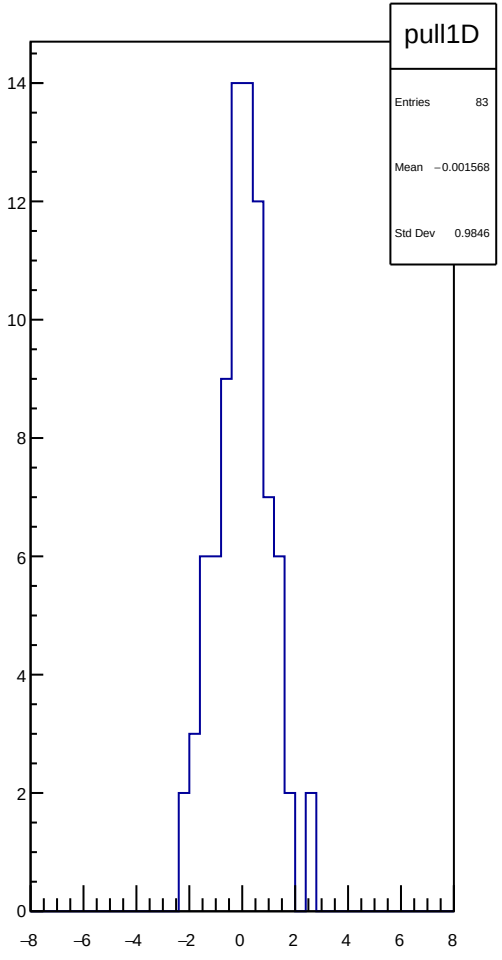

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 3493 / 82
p0 2938 ± 2.341
3400
3200
3000
2800
2600

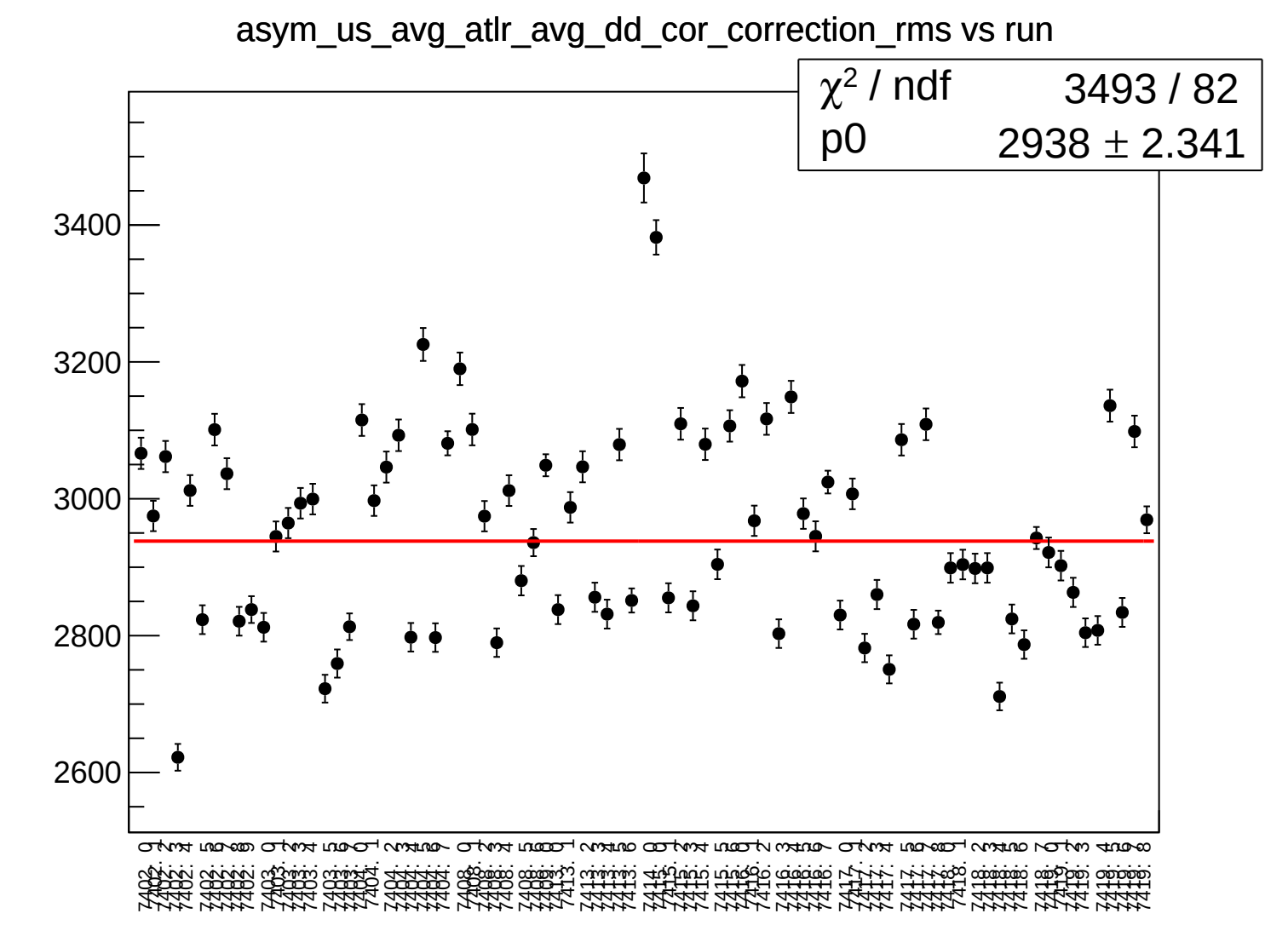

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 84.14 / 82
p0 −1409 ± 1169
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −2649
Std Dev 0
3
2
1
0
−1
−2

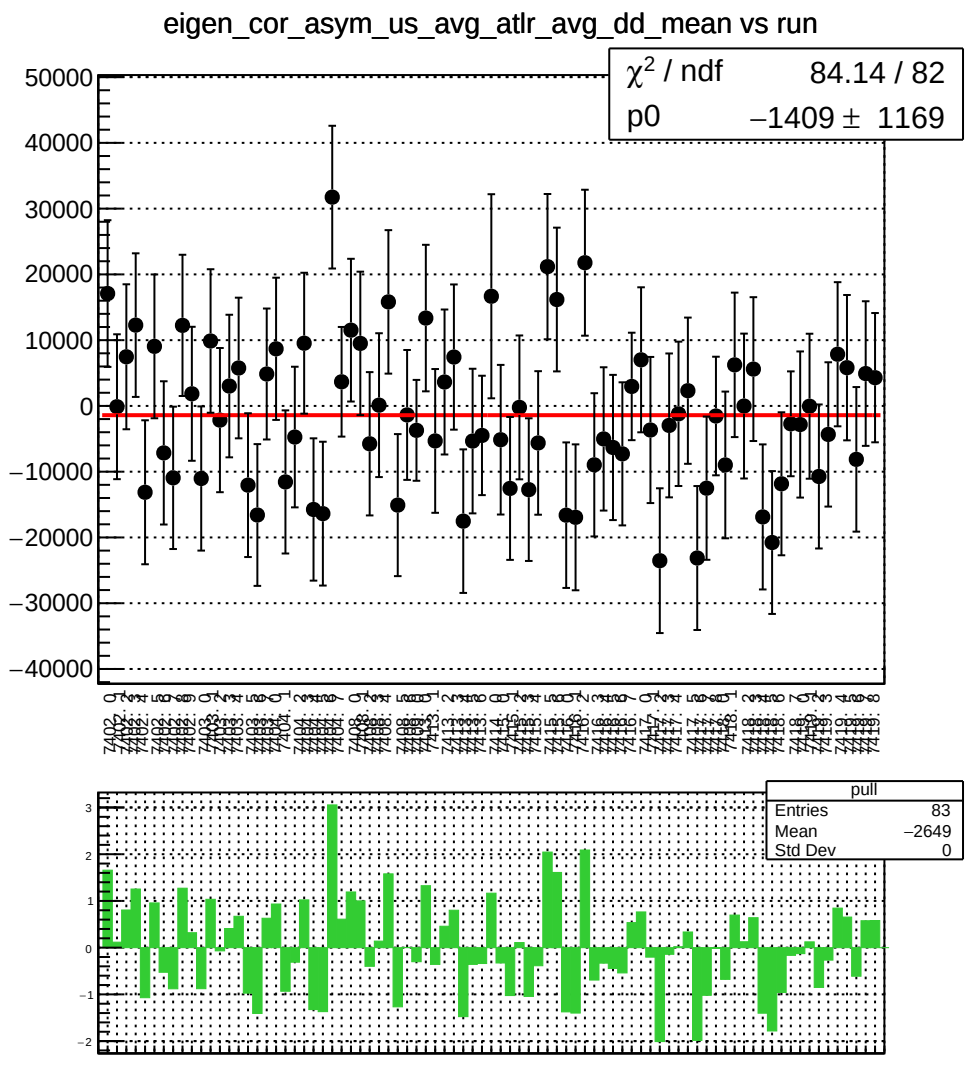

pull1D
Entries 83
Mean 0.001622
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

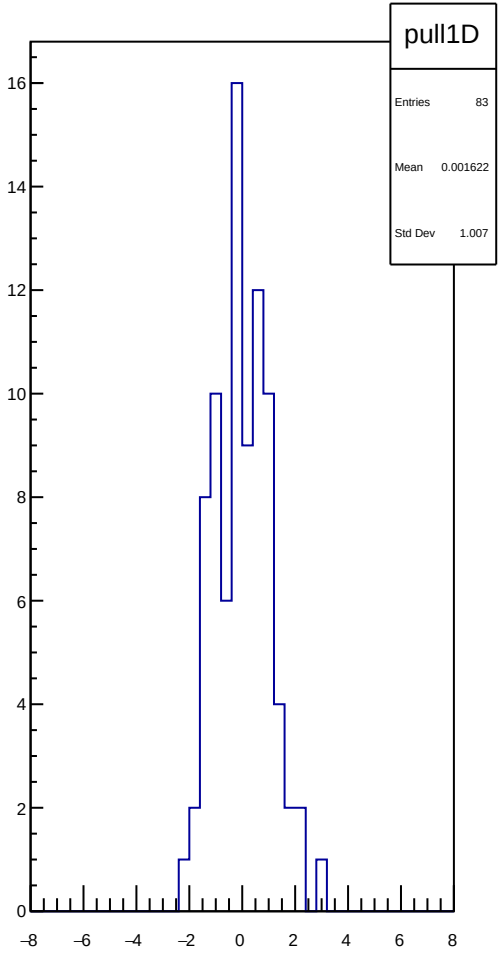

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 176.4 / 82
p0 1038 ± 0.8266
1090
1080
1070
1060
1050
1040
1030
1020
1010
1000

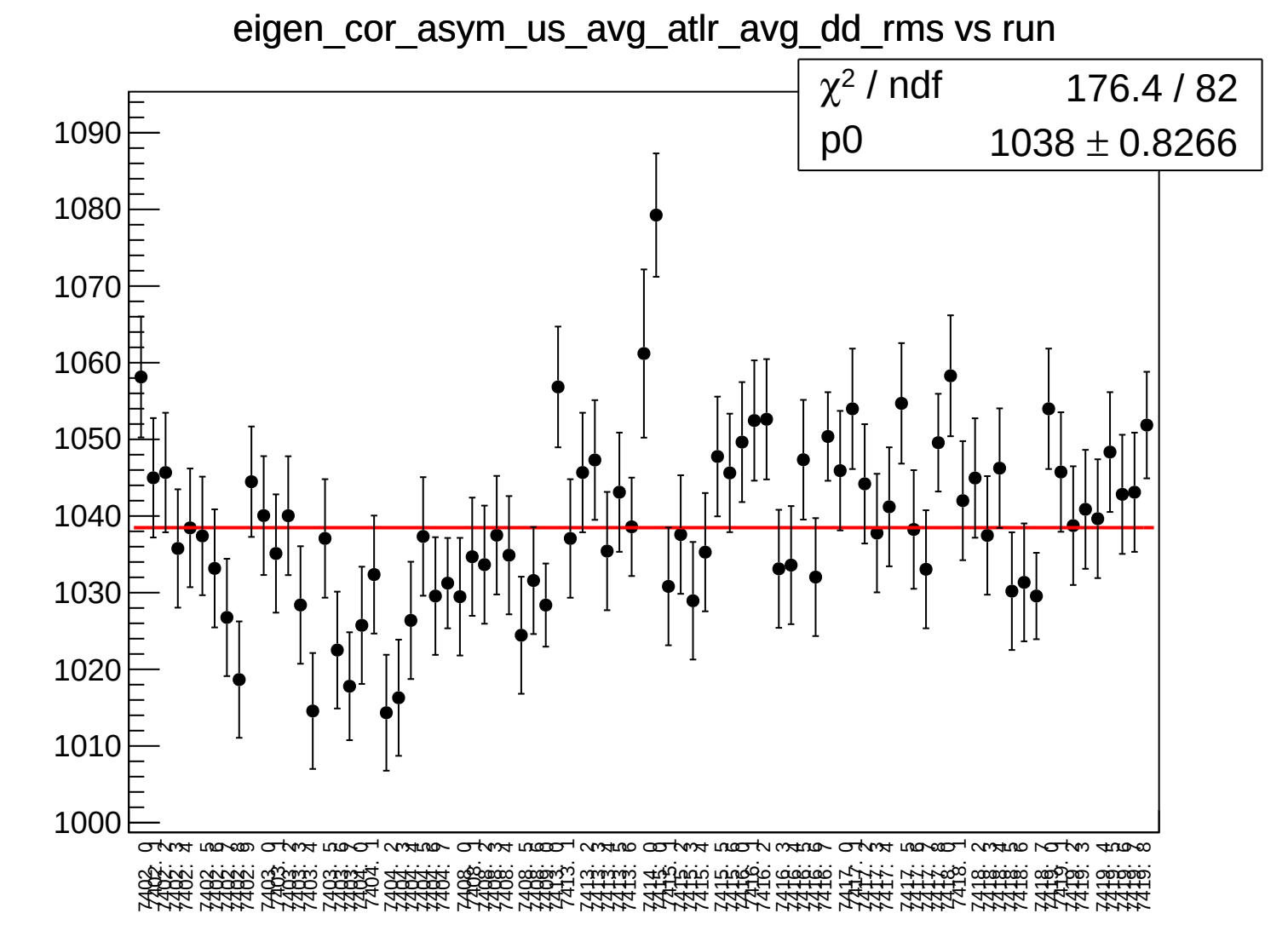

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 80.47 / 82
p0 −690.7 ± 3311
100
50
0
−50
−100
pull
Entries 83
Mean −1737
Std Dev 0
2
1
0
−1
−2

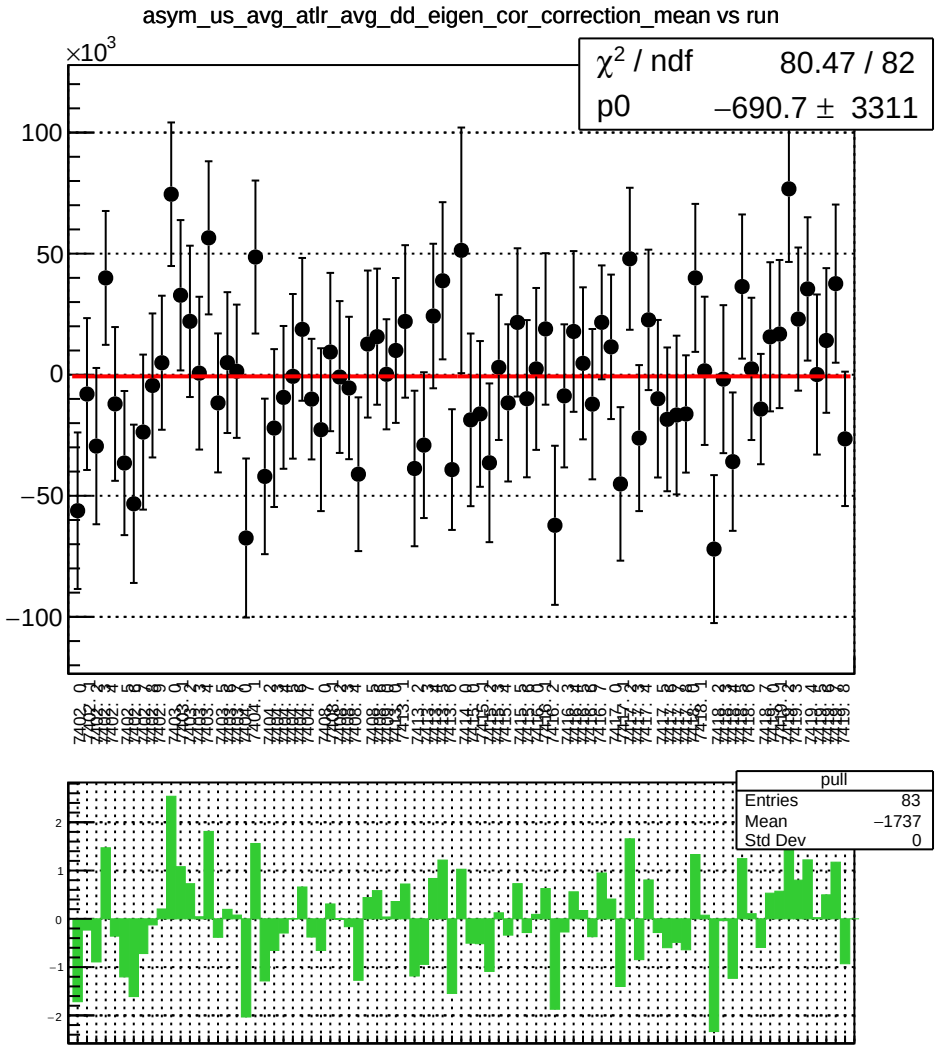

pull1D
Entries 83
Mean −0.001568
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

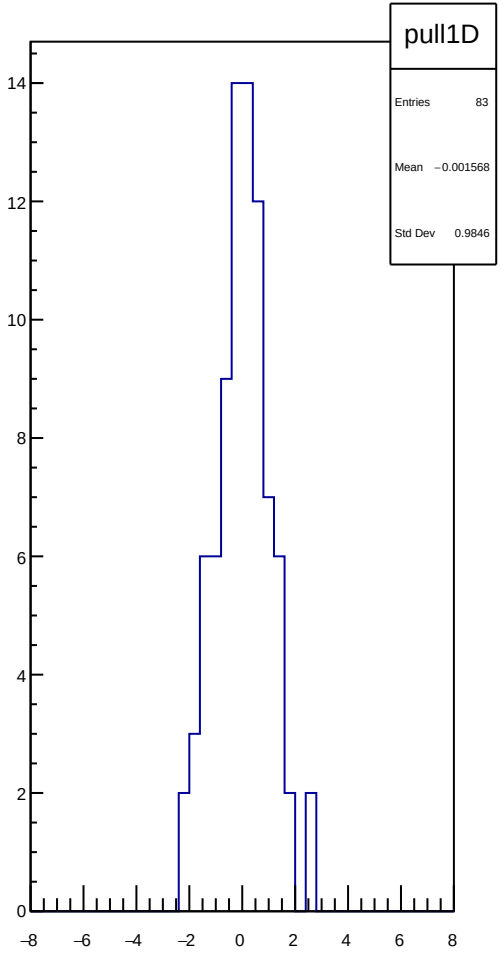

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 3493 / 82
p0 2938 ± 2.341
3400
3200
3000
2800
2600

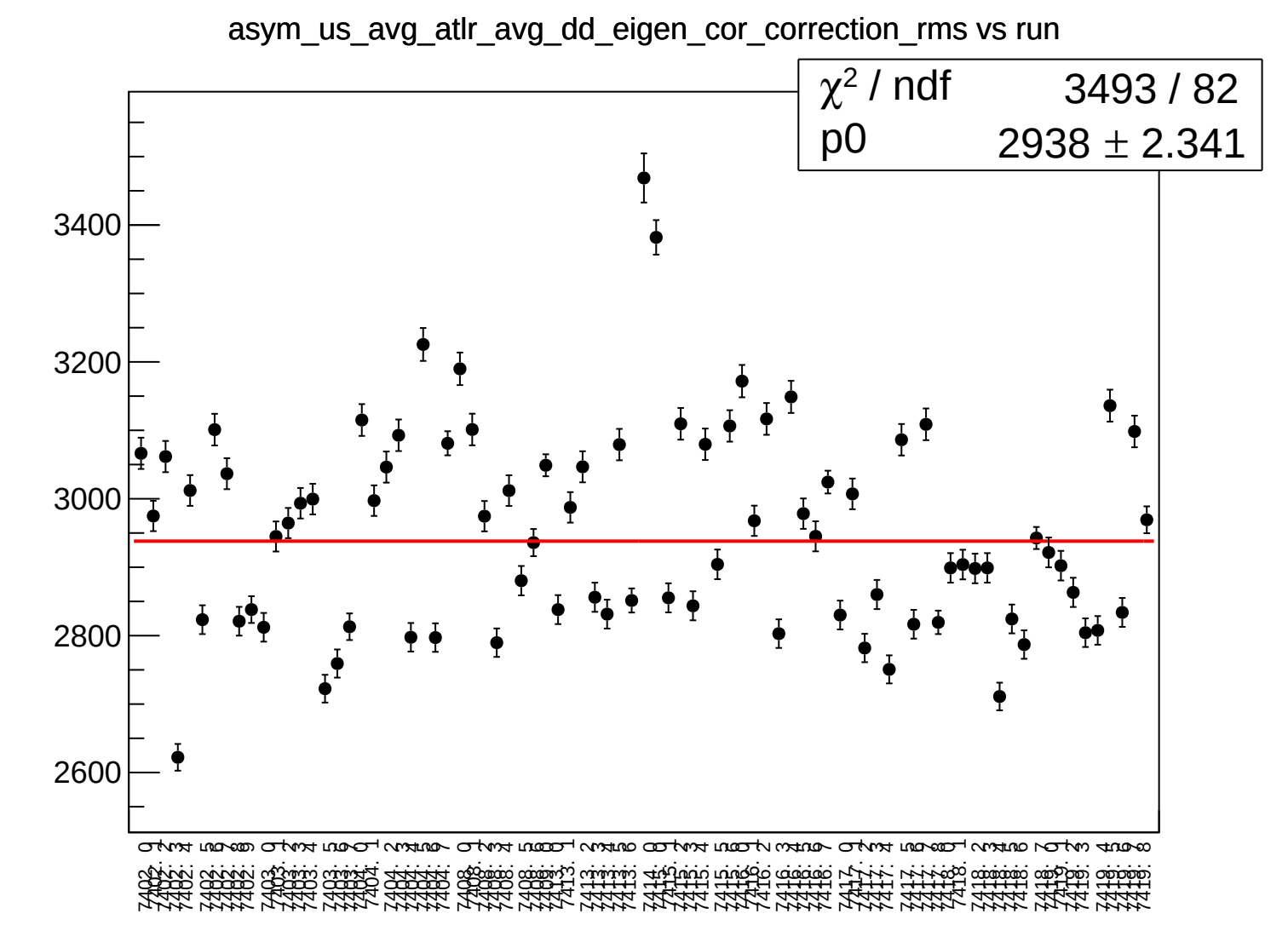

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 84.14 / 82
p0 −1409 ± 1169
pull
Entries 83
Mean −2649
Std Dev 0

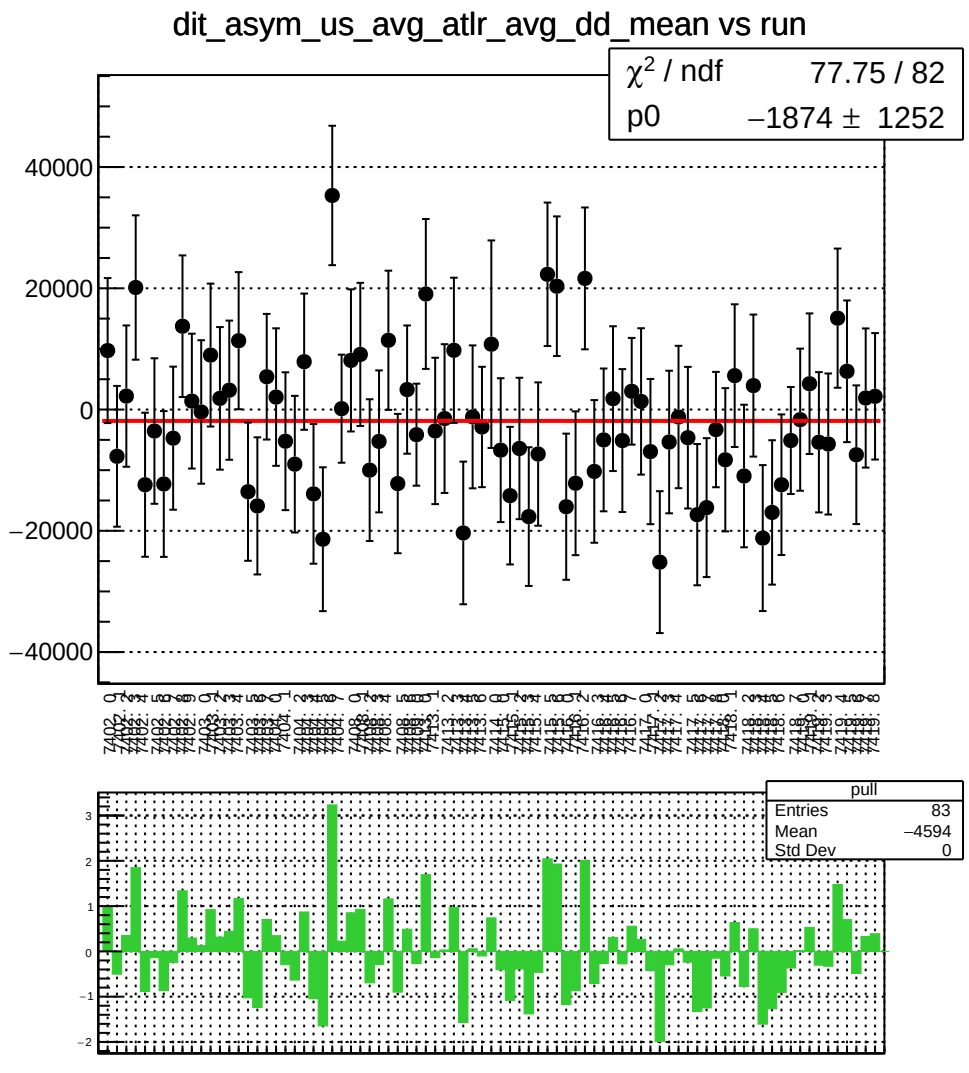

pull1D
Entries 83
Mean 0.001622
Std Dev 1.007

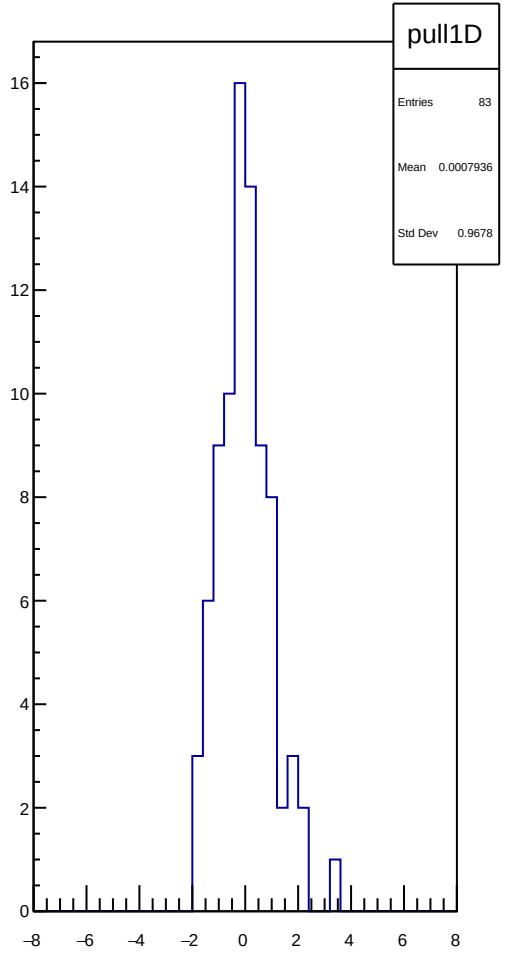

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 176.4 / 82
p0 1038 ± 0.8266
1090
1080
1070
1060
1050
1040
1030
1020
1010
1000

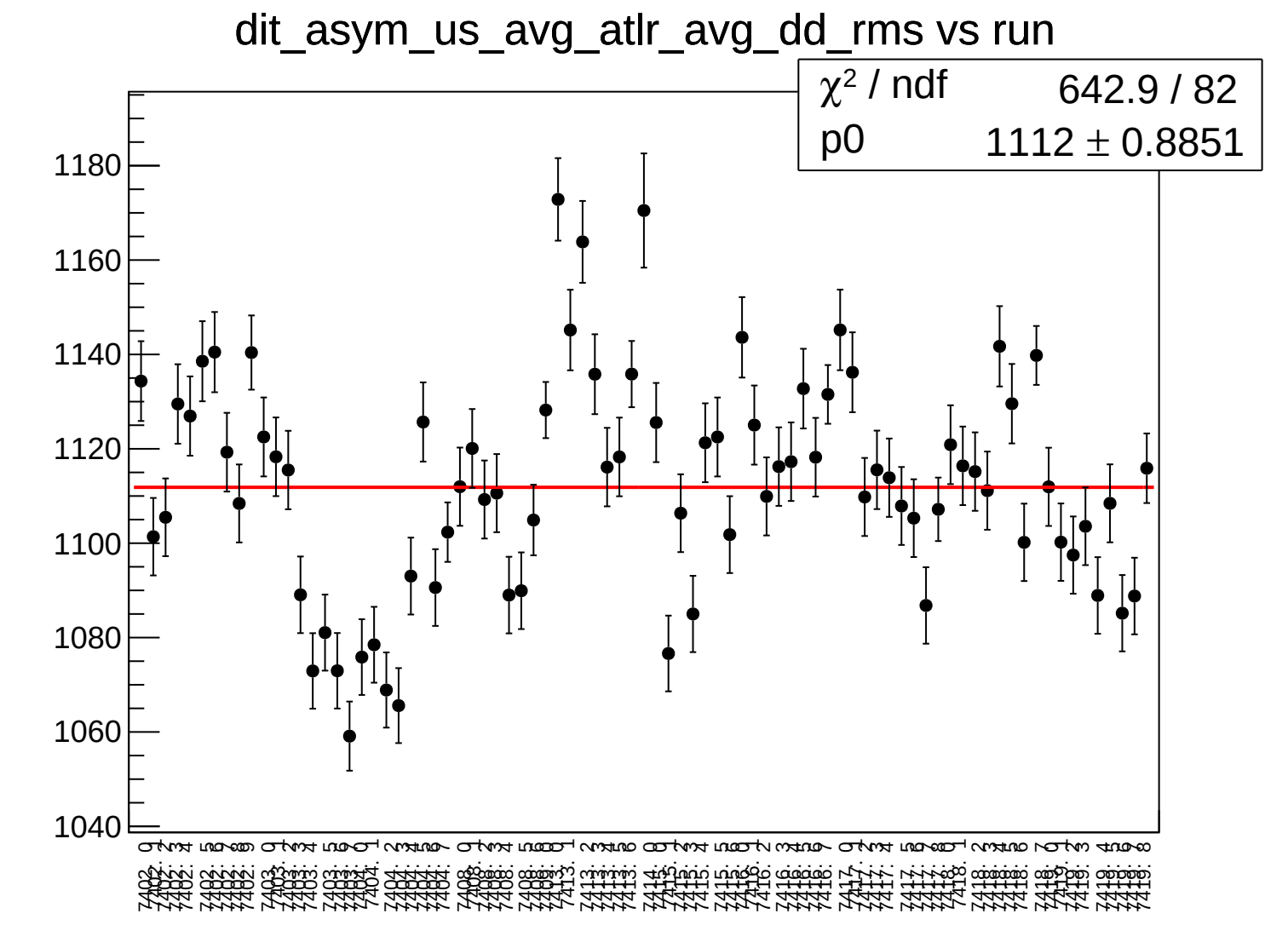

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 80.47 / 82
p0 −690.7 ± 3311
100
50
0
−50
−100
pull
Entries 83
Mean −1737
Std Dev 0
2
1
0
−1
−2

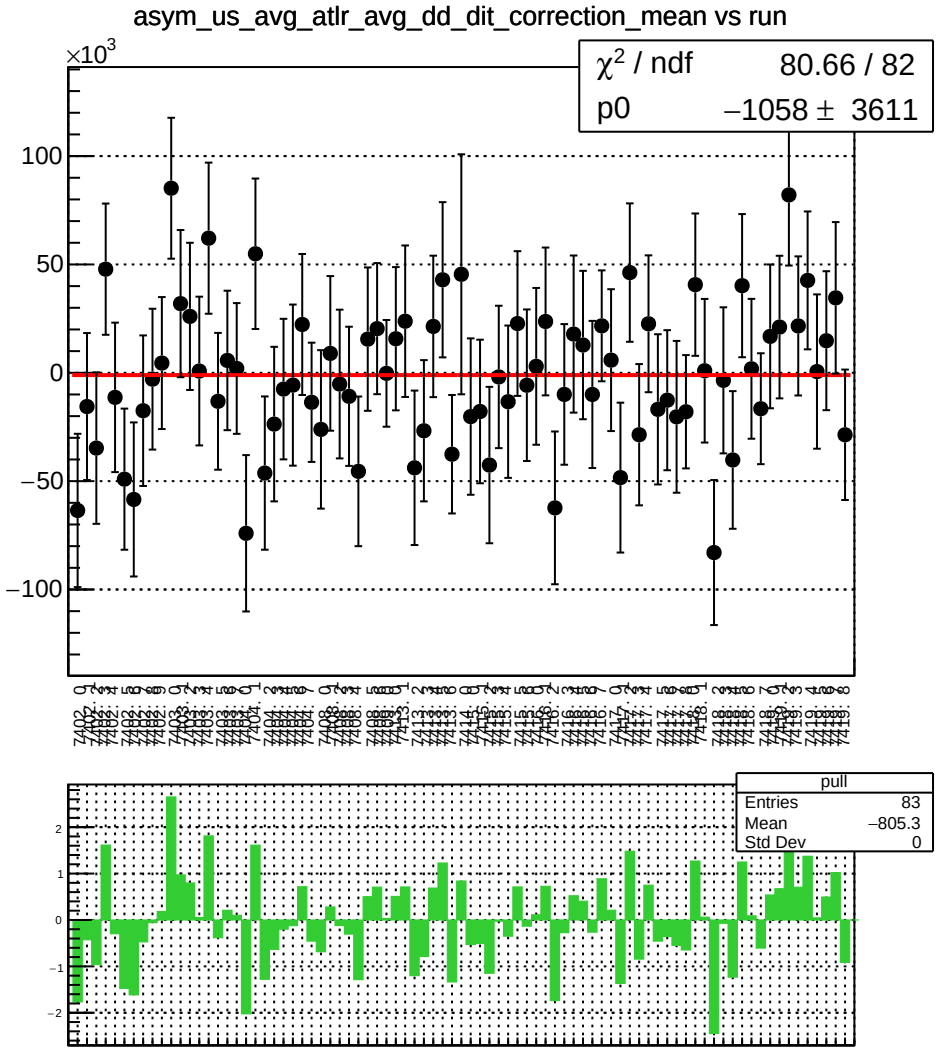

pull1D
Entries 83
Mean −0.001568
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

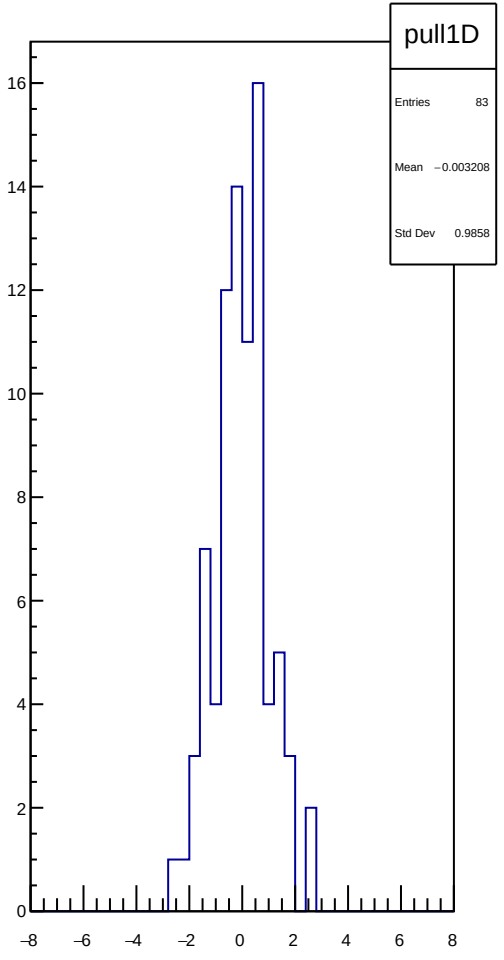

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3493 / 82
p0 2938 ± 2.341
3400
3200
3000
2800
2600

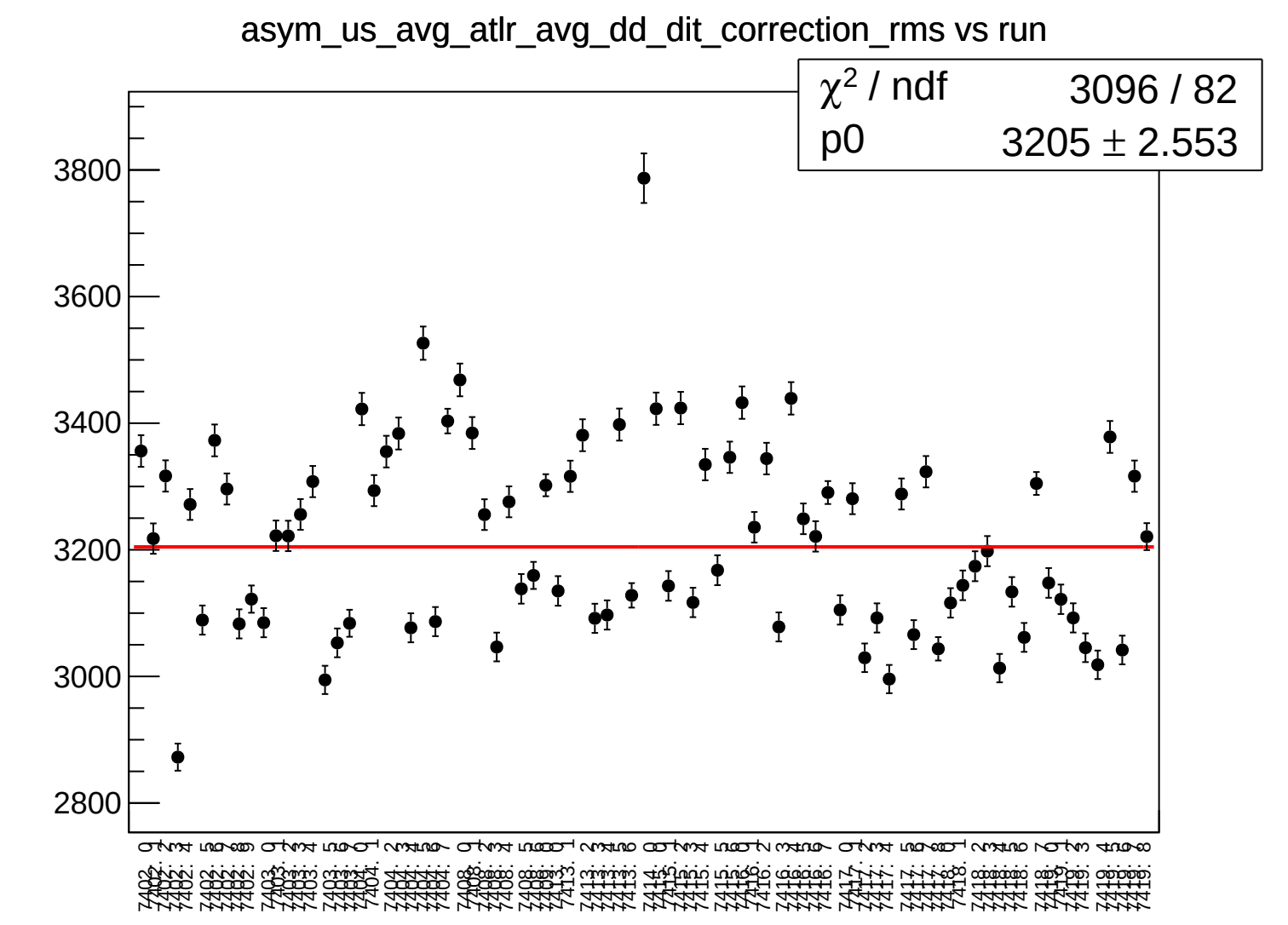

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 77.75 / 82
p0 −1874 ± 1252
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −4594
Std Dev 0
3
2
1
0
−1
−2

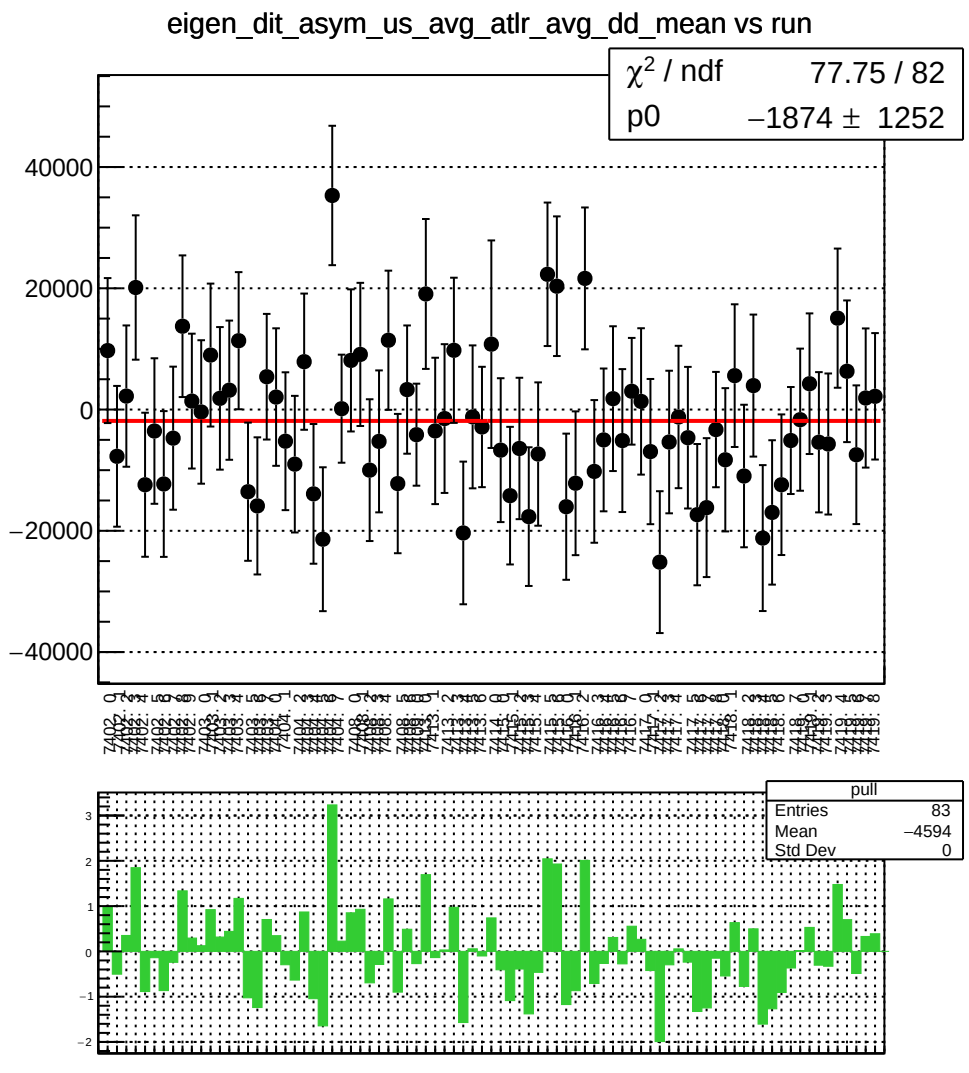

pull1D
Entries 83
Mean 0.0007936
Std Dev 0.9678
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

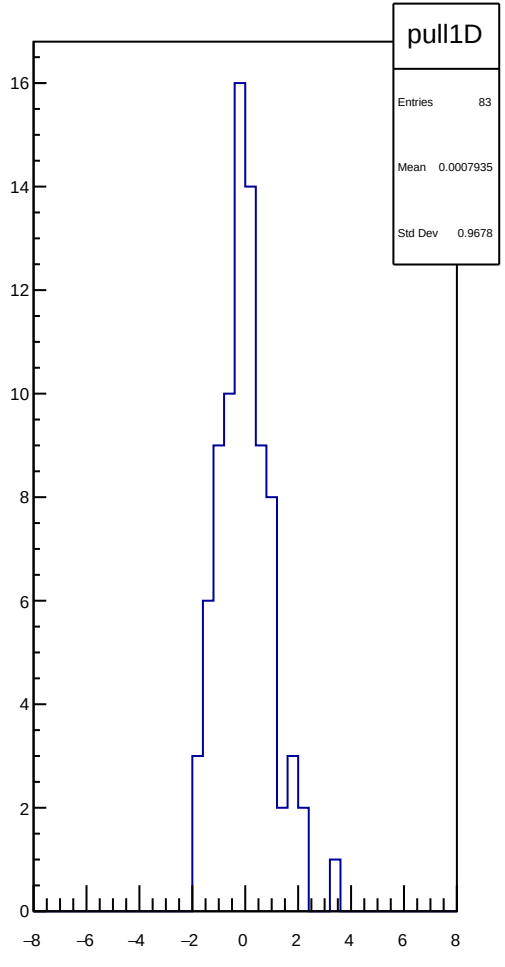

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 642.9 / 82
p0 1112 ± 0.8851
1180
1160
1140
1120
1100
1080
1060
1040

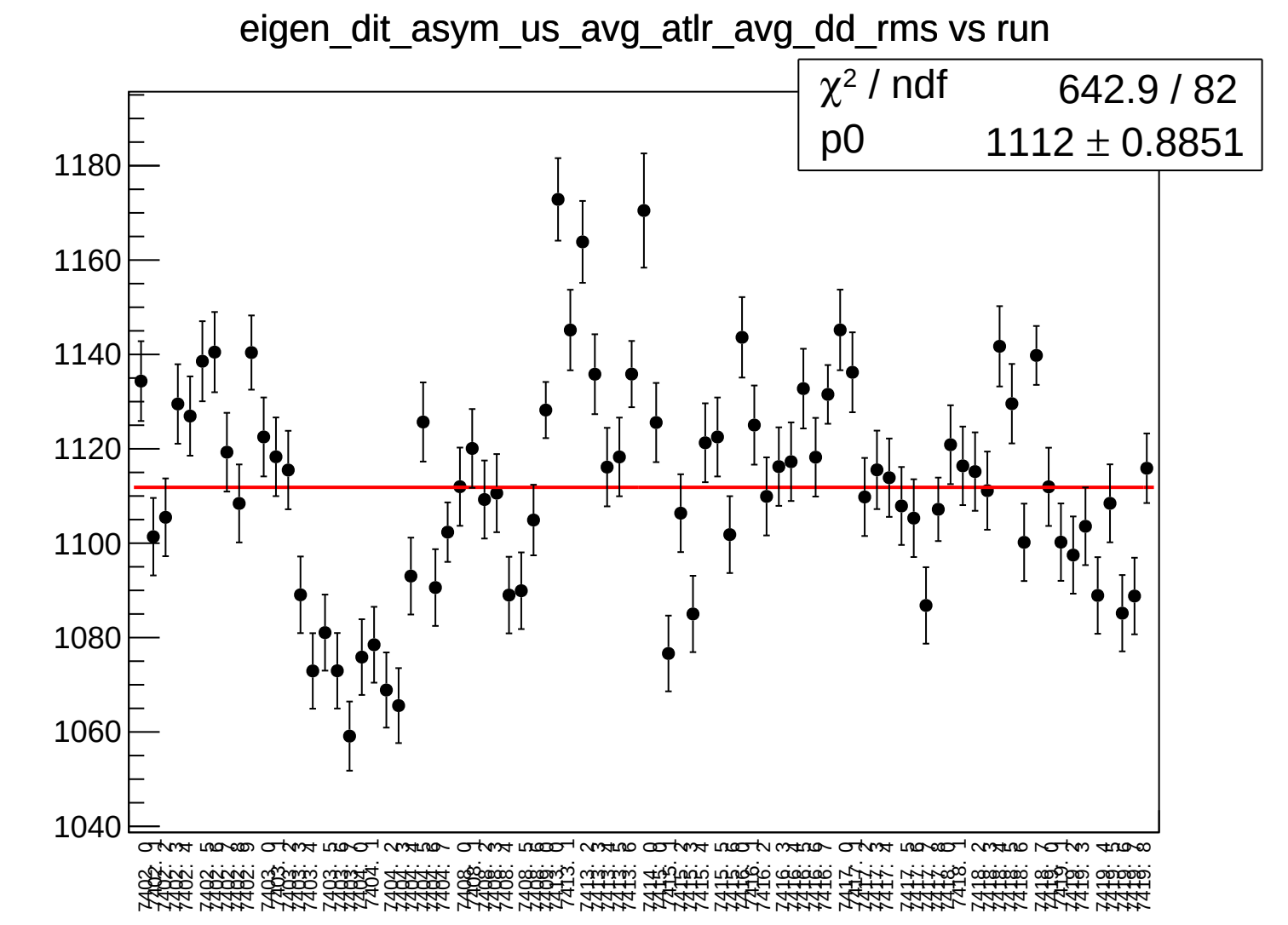

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 80.66 / 82
p0 −1058 ± 3611
100
50
0
−50
−100
pull
Entries 83
Mean −805.3
Std Dev 0
2
1
0
−1
−2

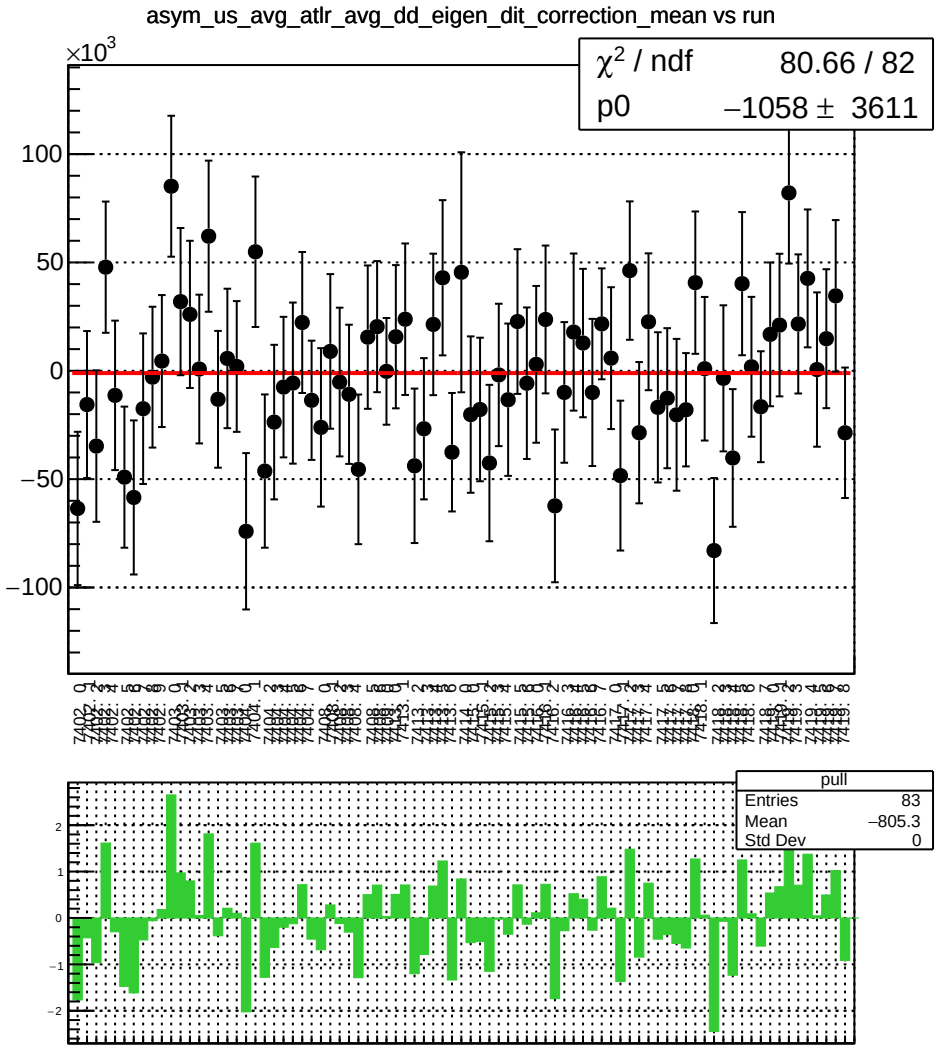

pull1D
Entries 83
Mean −0.003208
Std Dev 0.9858
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

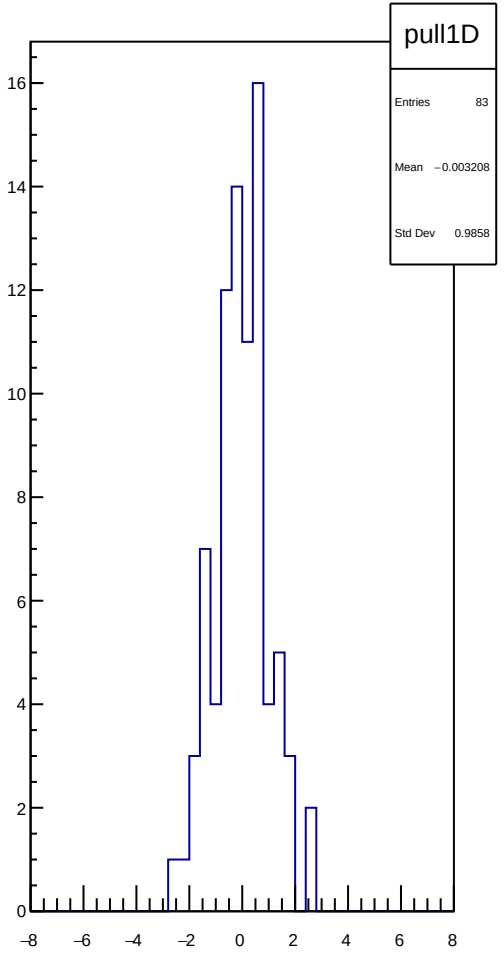

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 3096 / 82
p0 3205 ± 2.553
3800
3600
3400
3200
3000
2800

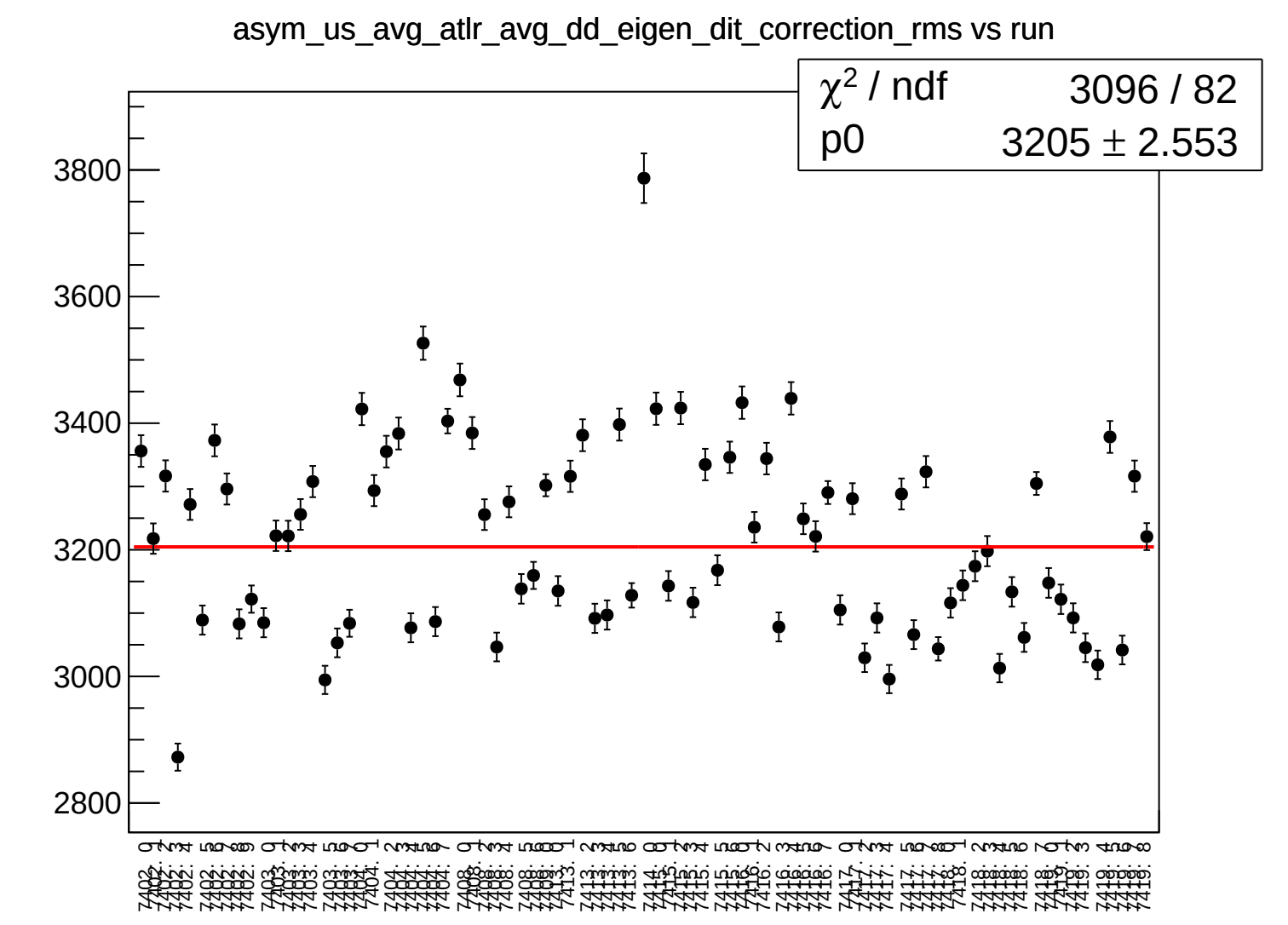

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 77.75 / 82
p0 −1874 ± 1252
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −4594
Std Dev 0
3
2
1
0
−1
−2

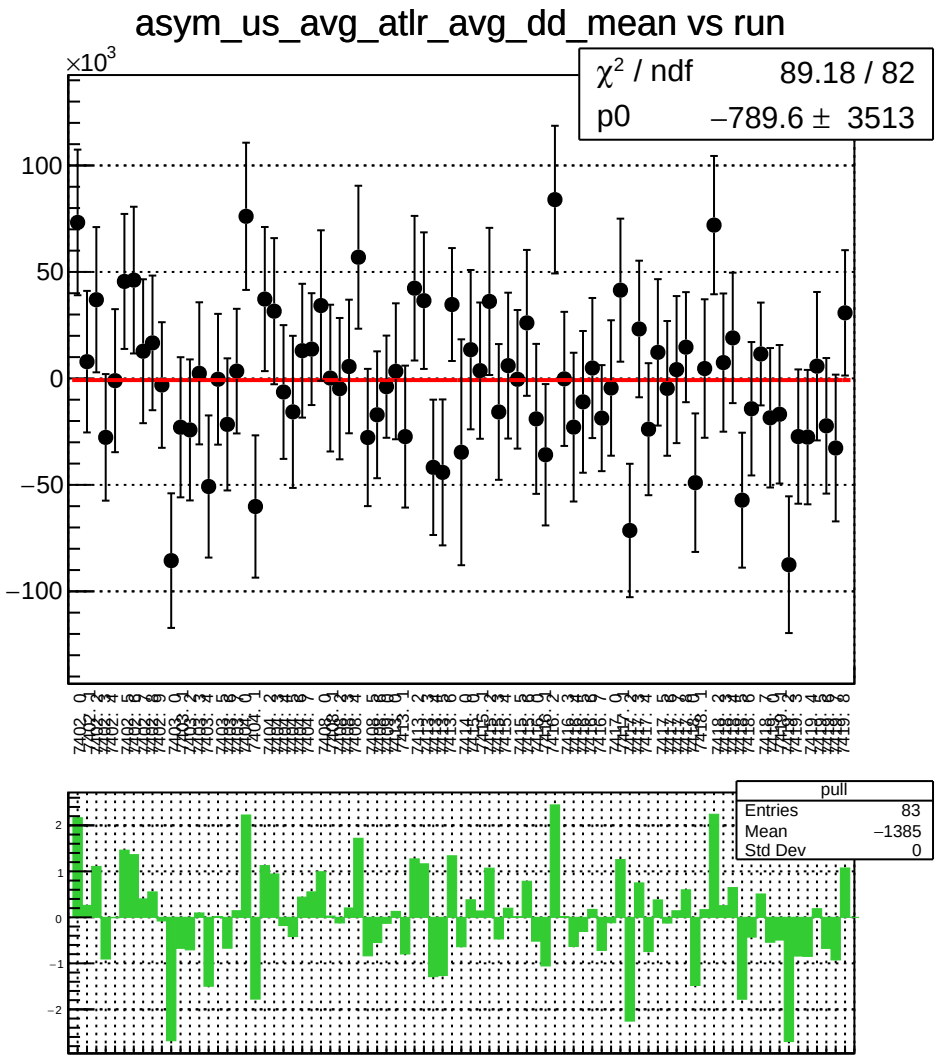

pull1D
Entries 83
Mean 0.0007935
Std Dev 0.9678
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

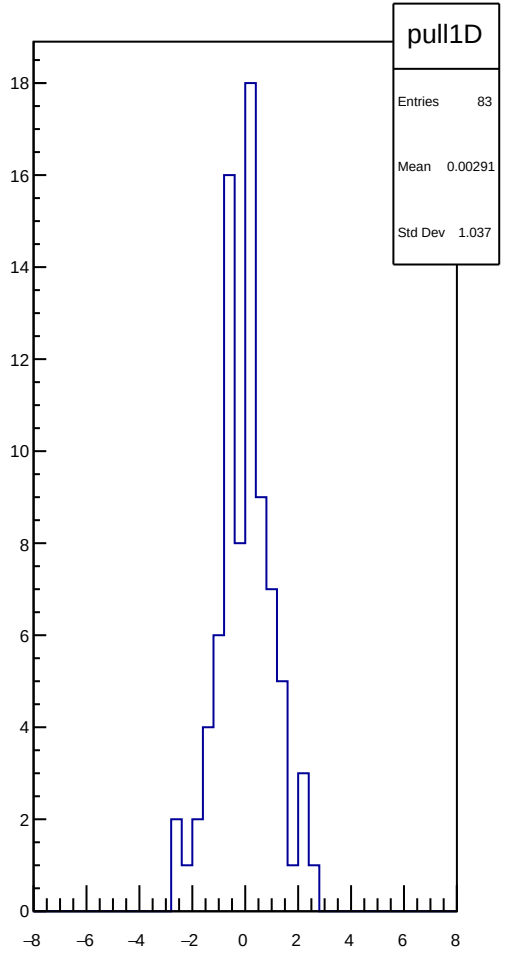

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 642.9 / 82
p0 1112 ± 0.8851
1180
1160
1140
1120
1100
1080
1060
1040

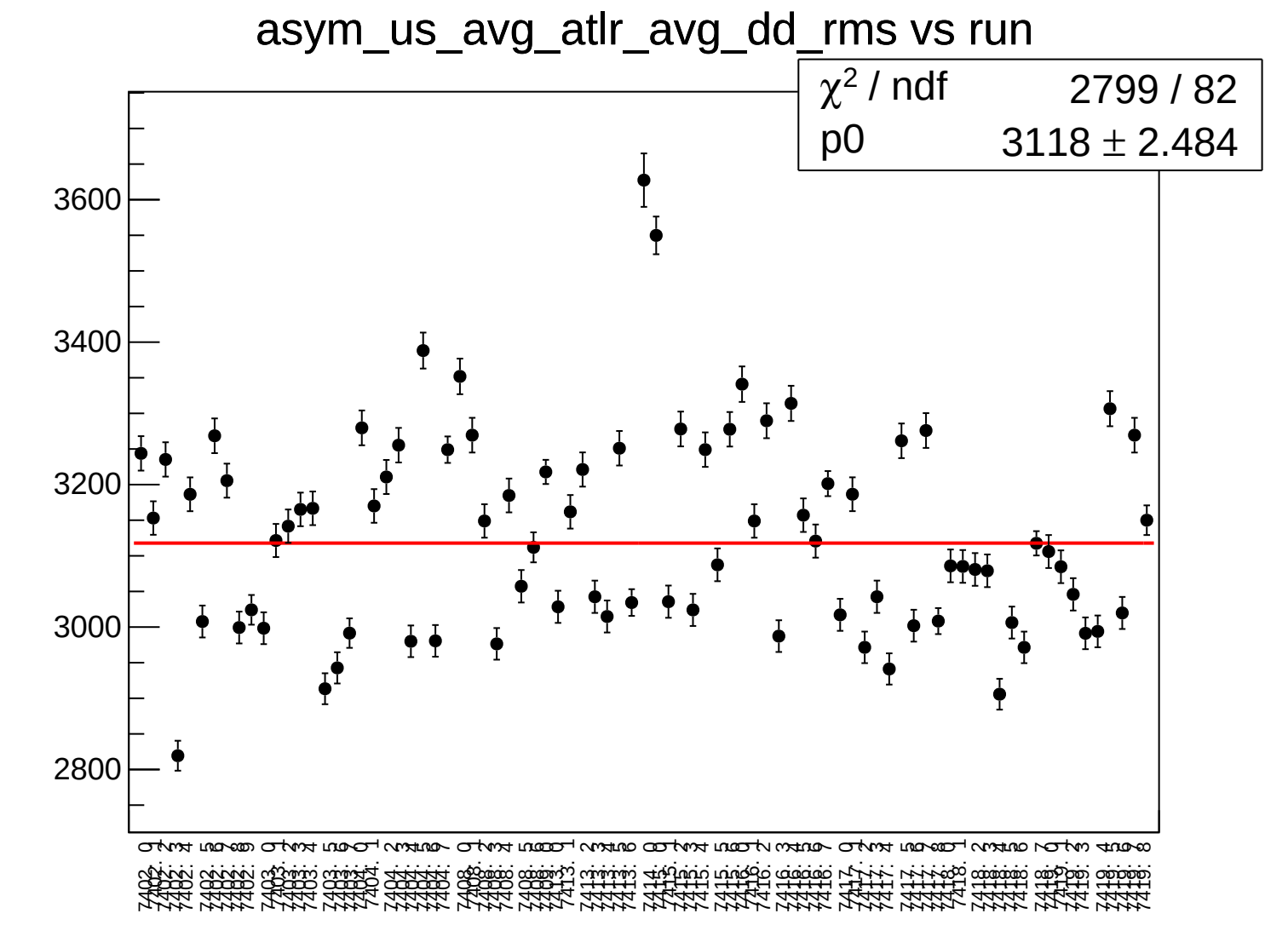

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 80.66 / 82
p0 −1058 ± 3611
100
50
0
−50
−100
pull
Entries 83
Mean −805.3
Std Dev 0
2
1
0
−1
−2

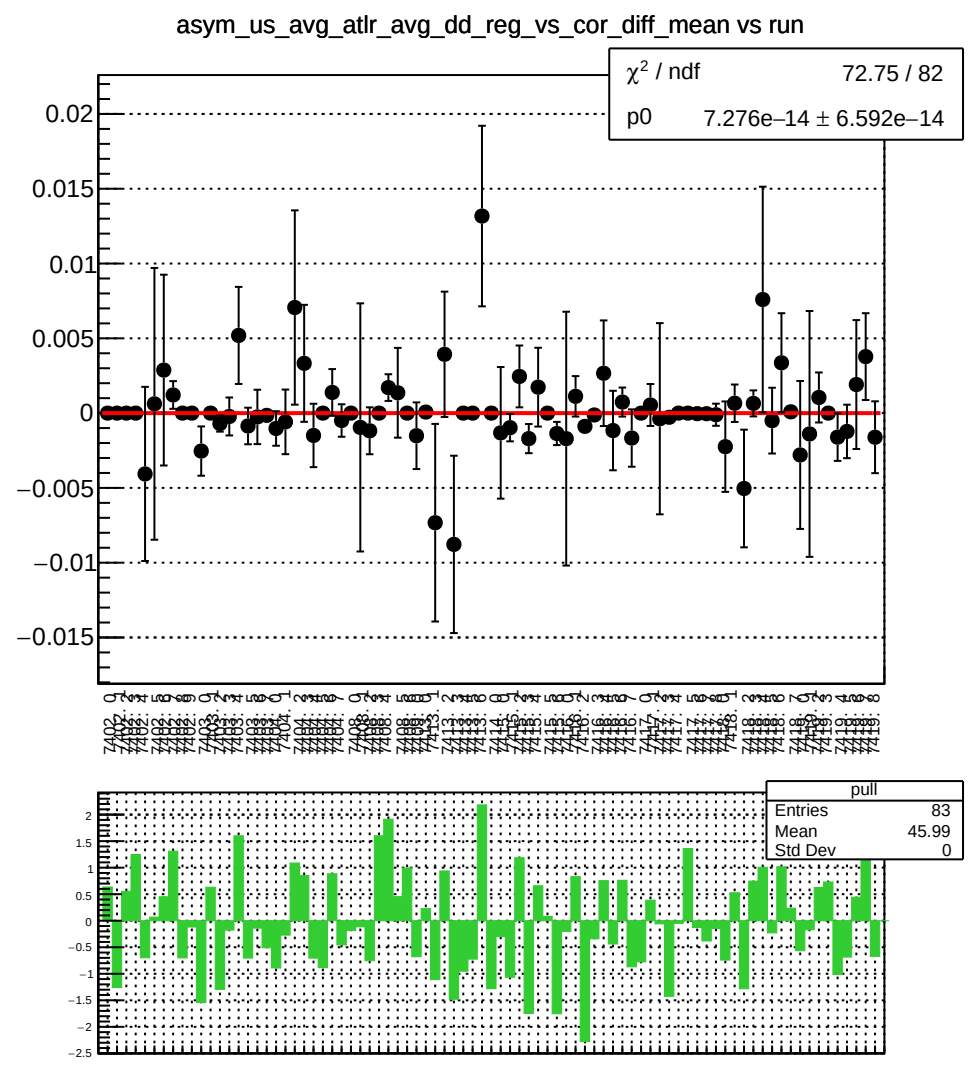

pull1D
Entries 83
Mean −0.003208
Std Dev 0.9858
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

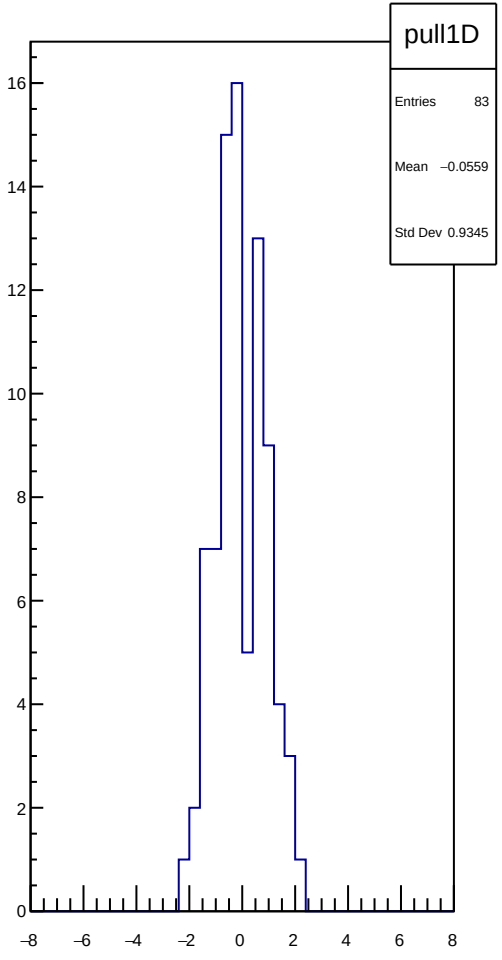

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3096 / 82
p0 3205 ± 2.553
3800
3600
3400
3200
3000
2800

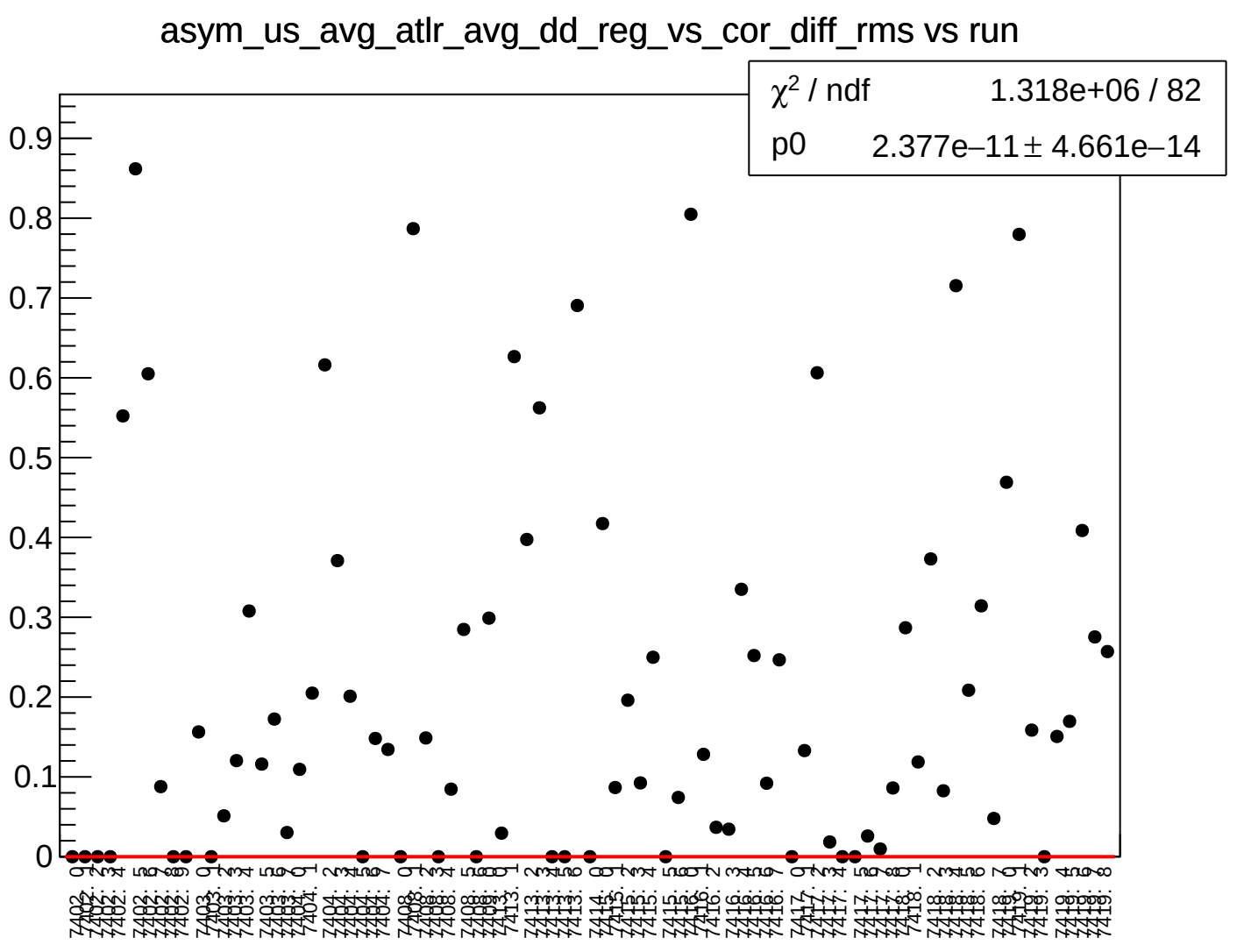

asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 89.18 / 82
p0 −789.6 ± 3513
×10³
100
50
0
−50
−100
pull
Entries 83
Mean −1385
Std Dev 0
2
1
0
−1
−2

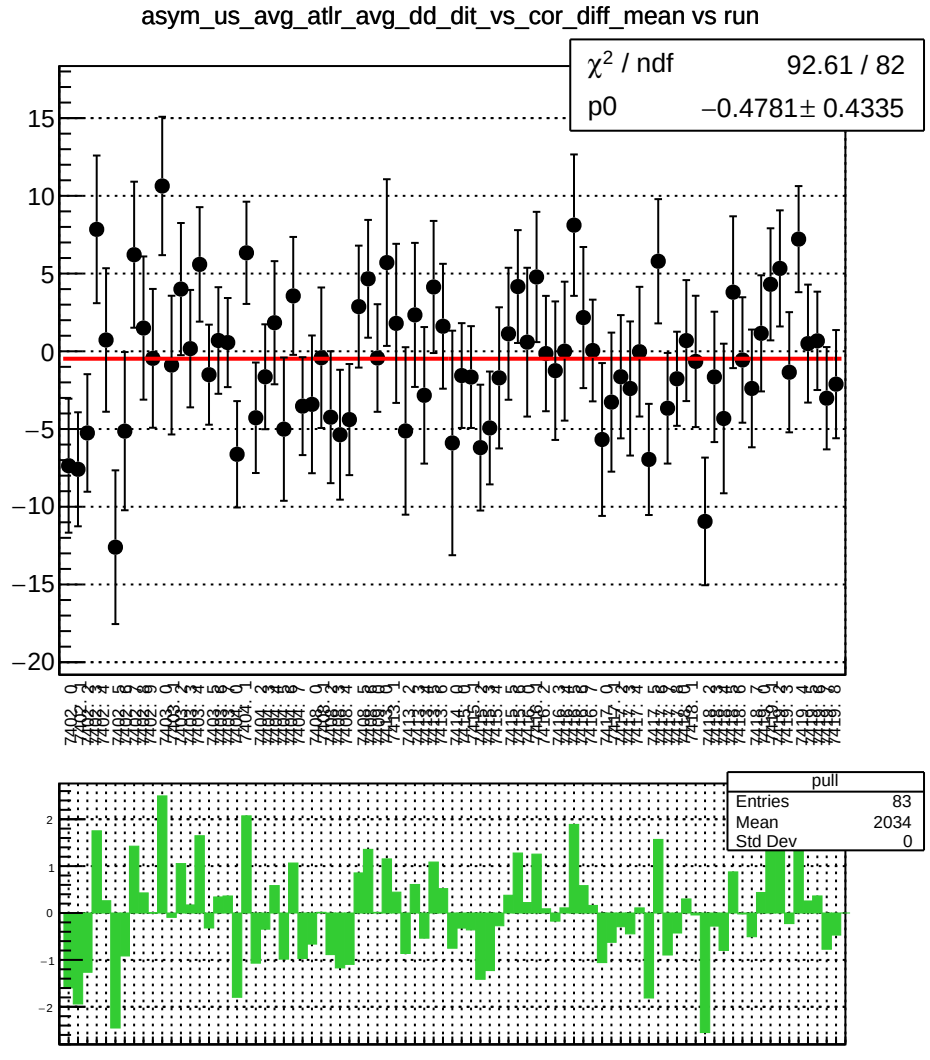

pull1D
Entries 83
Mean 0.00291
Std Dev 1.037
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

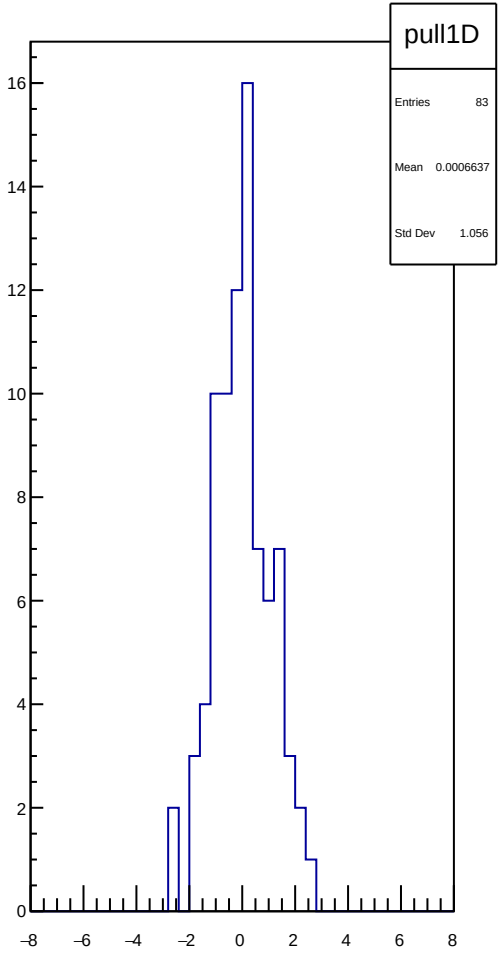

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 2799 / 82
p0 3118 ± 2.484
3600
3400
3200
3000
2800

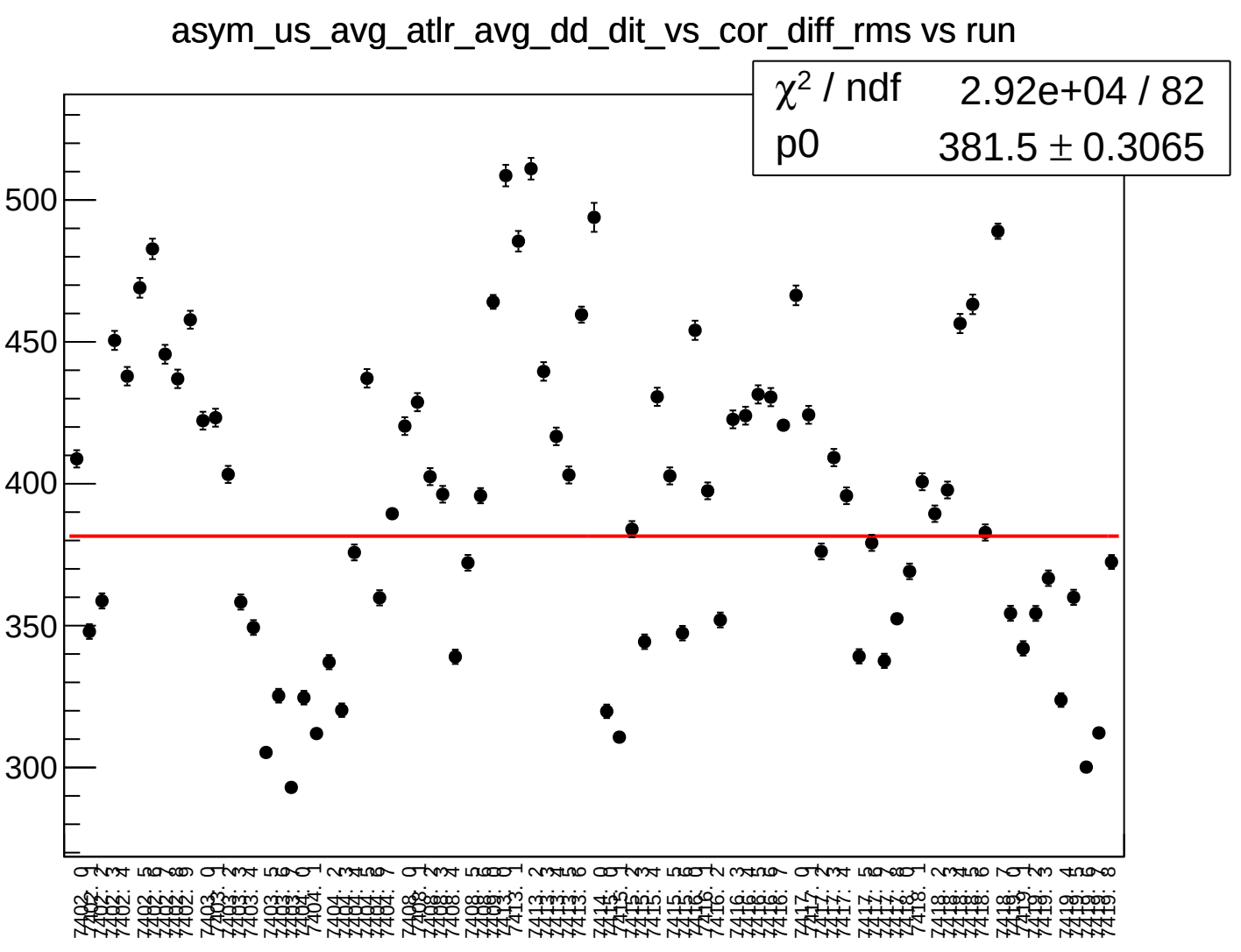

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 72.75 / 82
p0 7.276e−14 ± 6.592e−14
pull
Entries 83
Mean 45.99
Std Dev 0

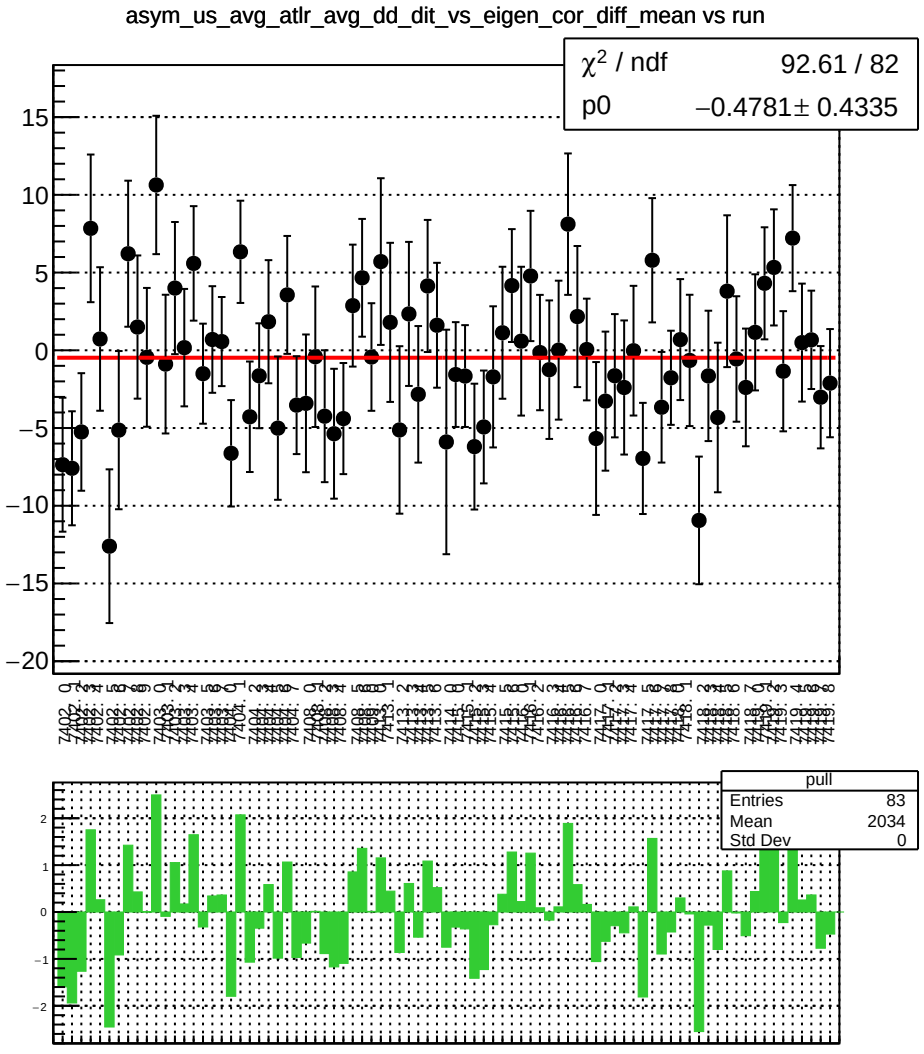

pull1D
Entries 83
Mean −0.0559
Std Dev 0.9345

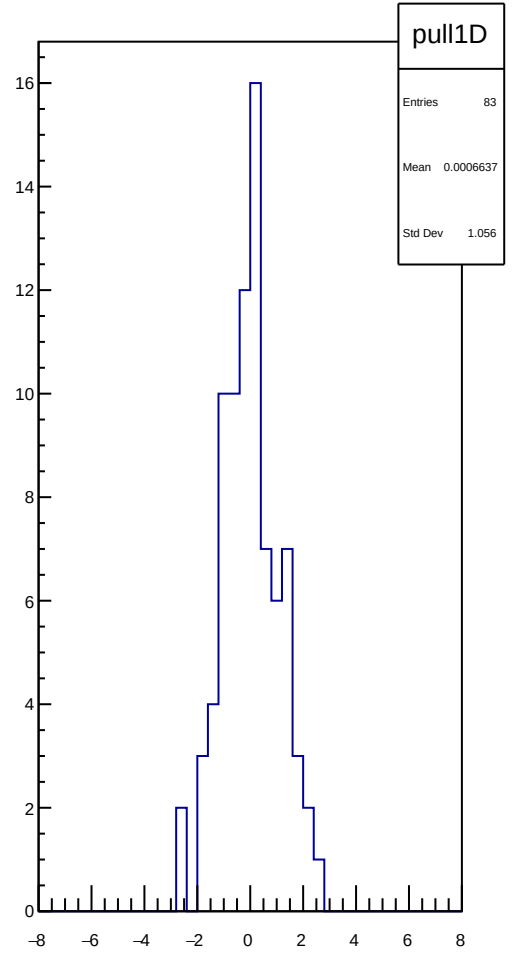

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.318e+06 / 82
p0 2.377e−11 ± 4.661e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

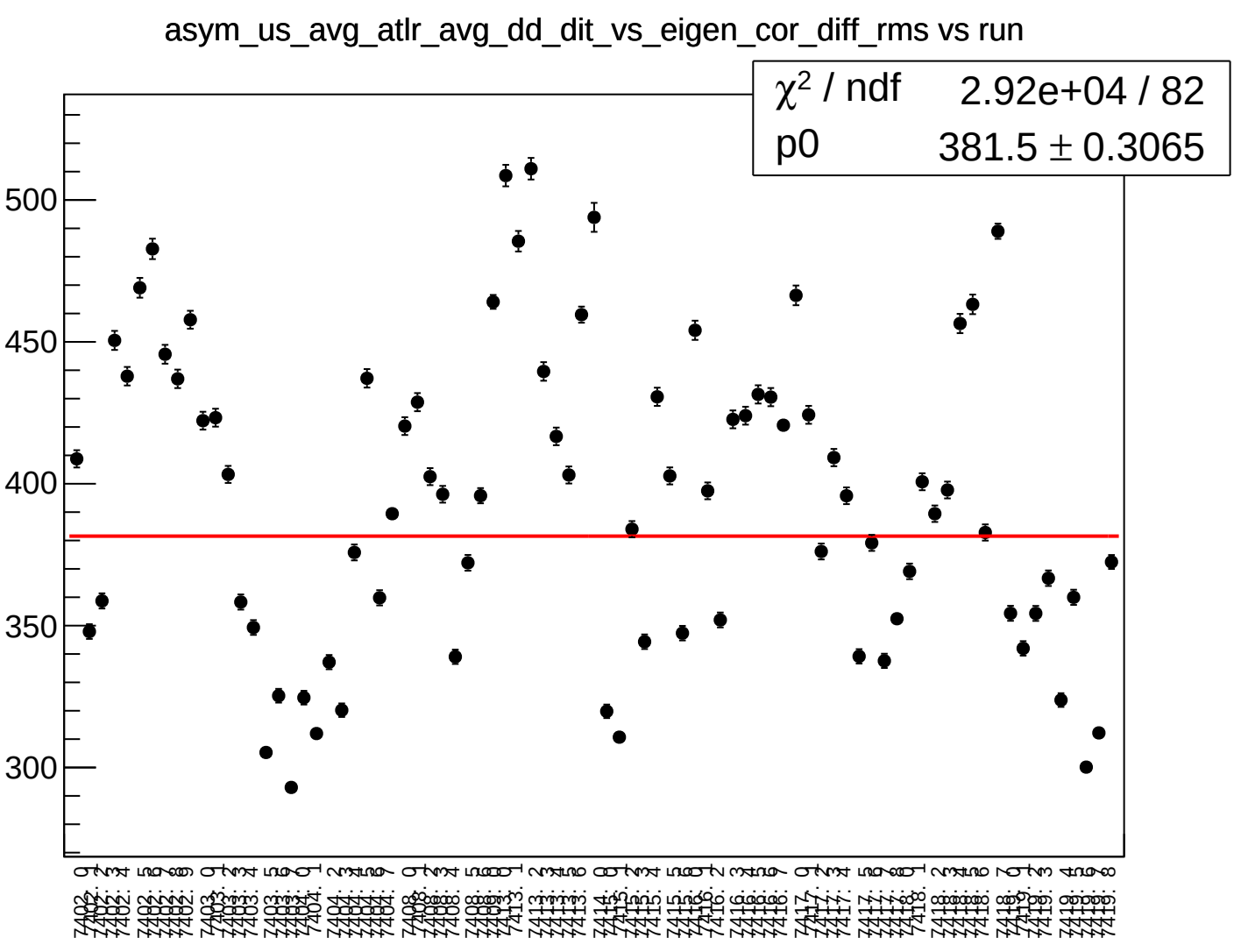

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 92.61 / 82
p0 −0.4781± 0.4335
pull
Entries 83
Mean 2034
Std Dev 0

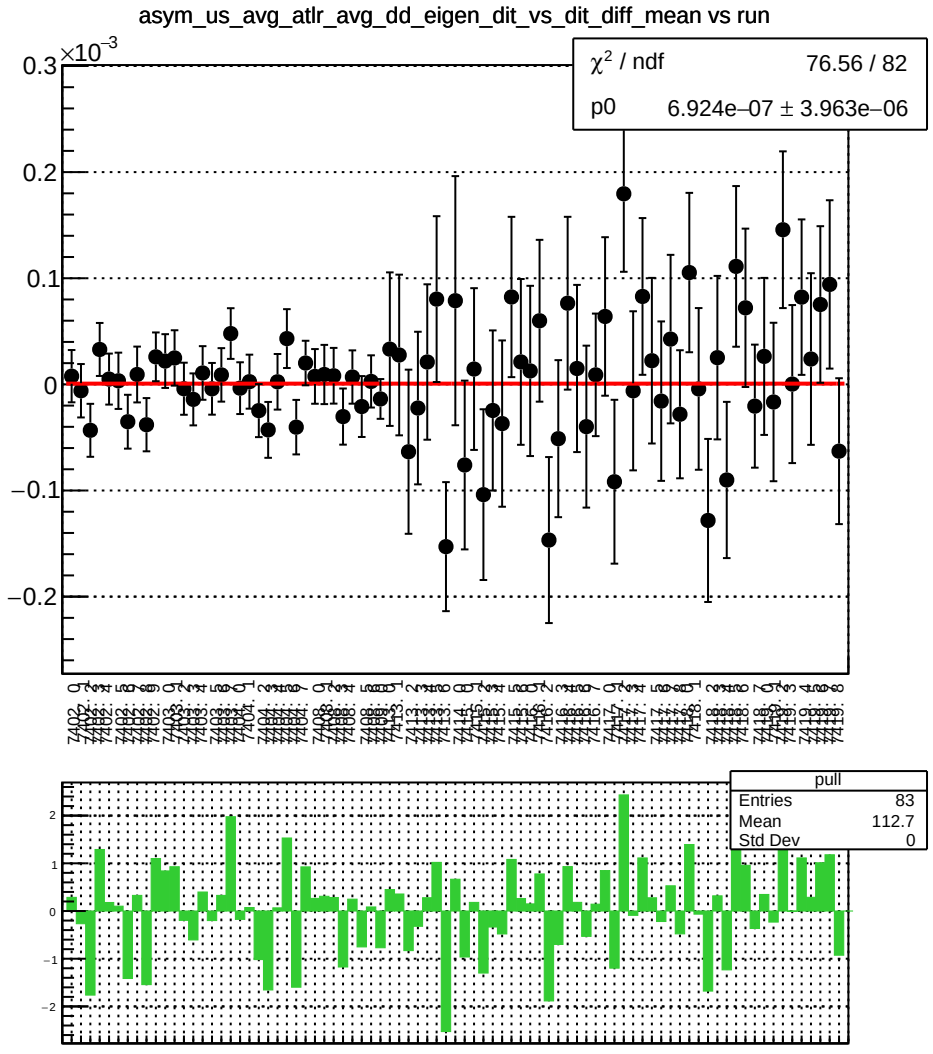

pull1D
Entries 83
Mean 0.0006637
Std Dev 1.056

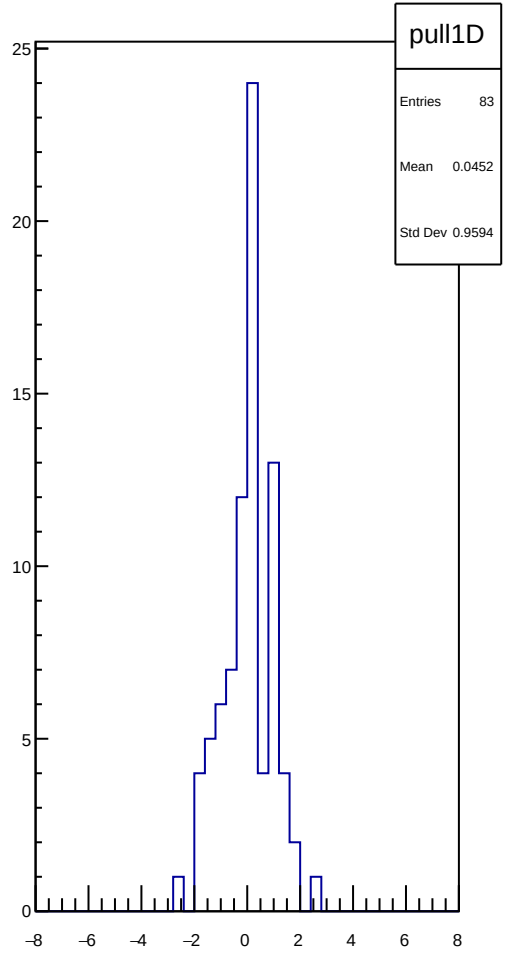

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.92e+04 / 82
p0 381.5 ± 0.3065
500
450
400
350
300

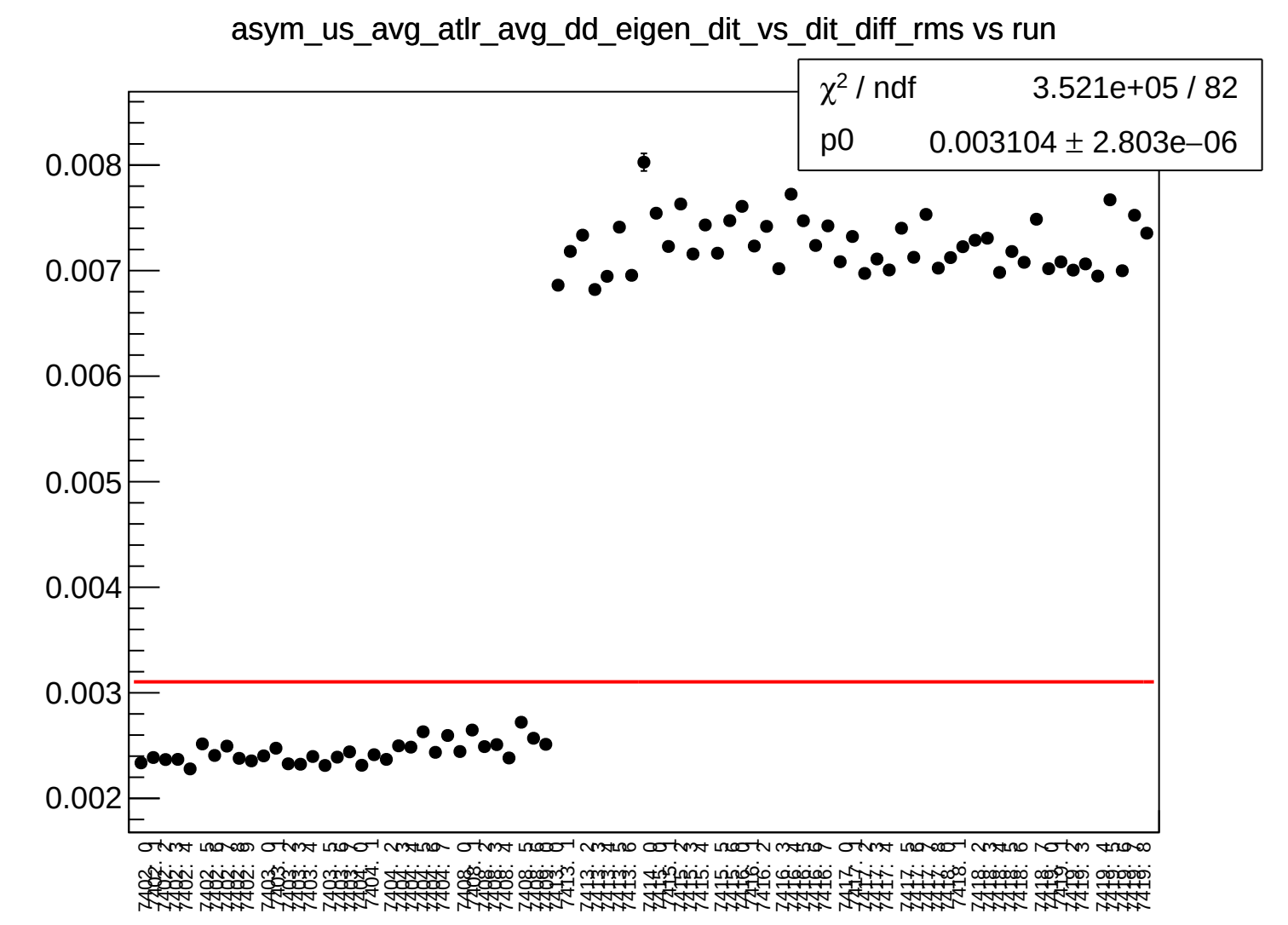

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.61 / 82
p0 −0.4781± 0.4335
pull
Entries 83
Mean 2034
Std Dev 0

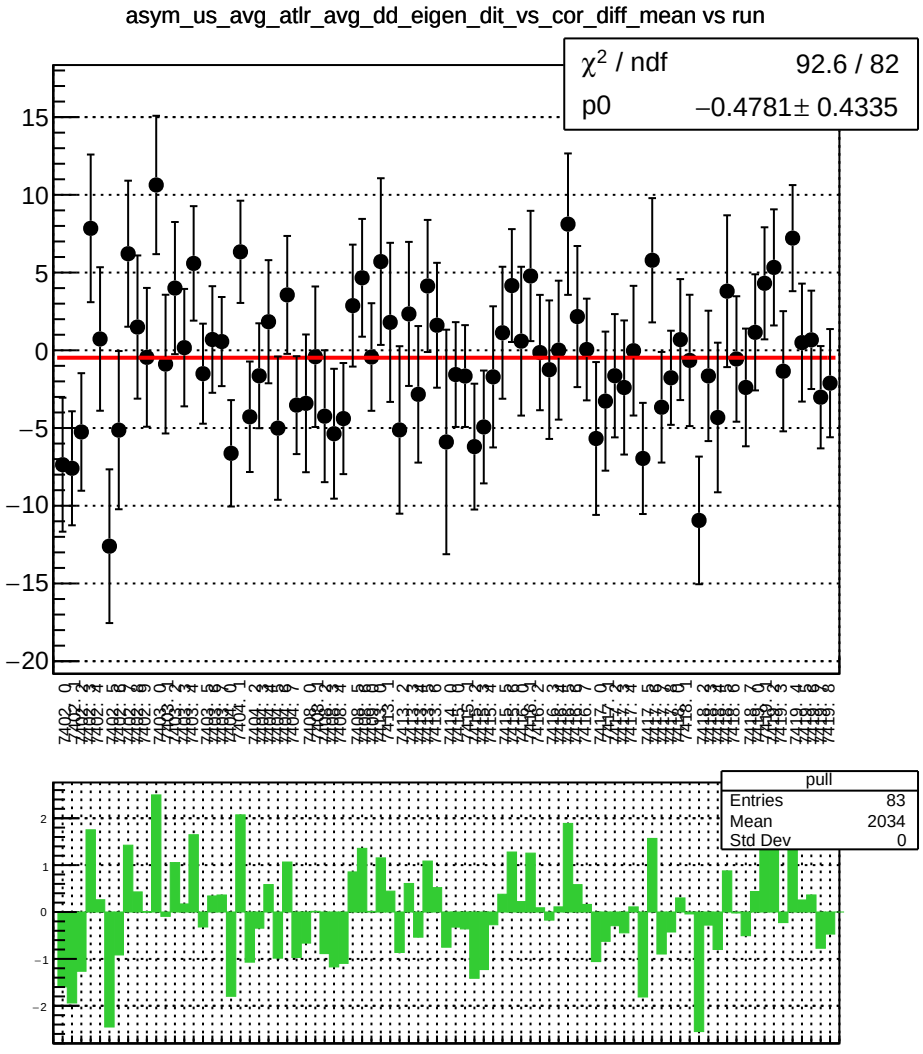

pull1D
Entries 83
Mean 0.0006637
Std Dev 1.056

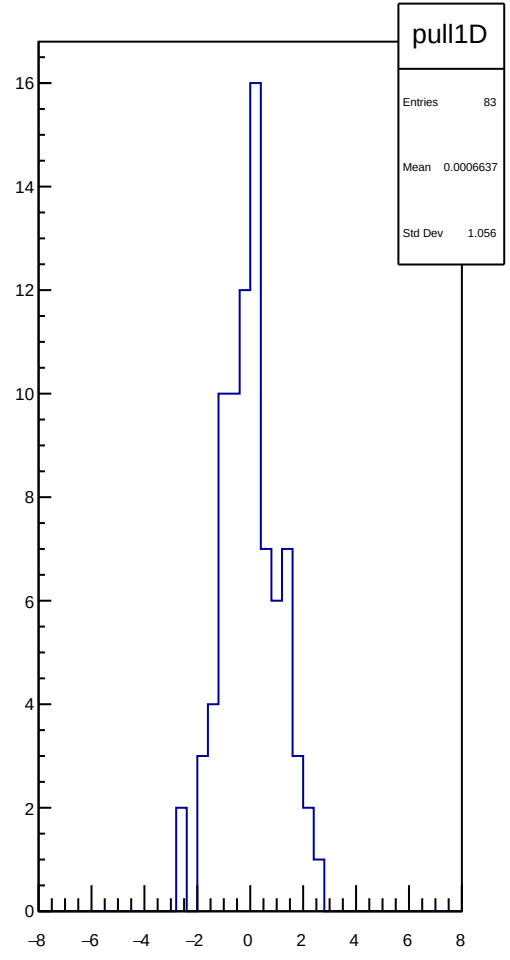

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.92e+04 / 82
p0 381.5 ± 0.3065
500
450
400
350
300

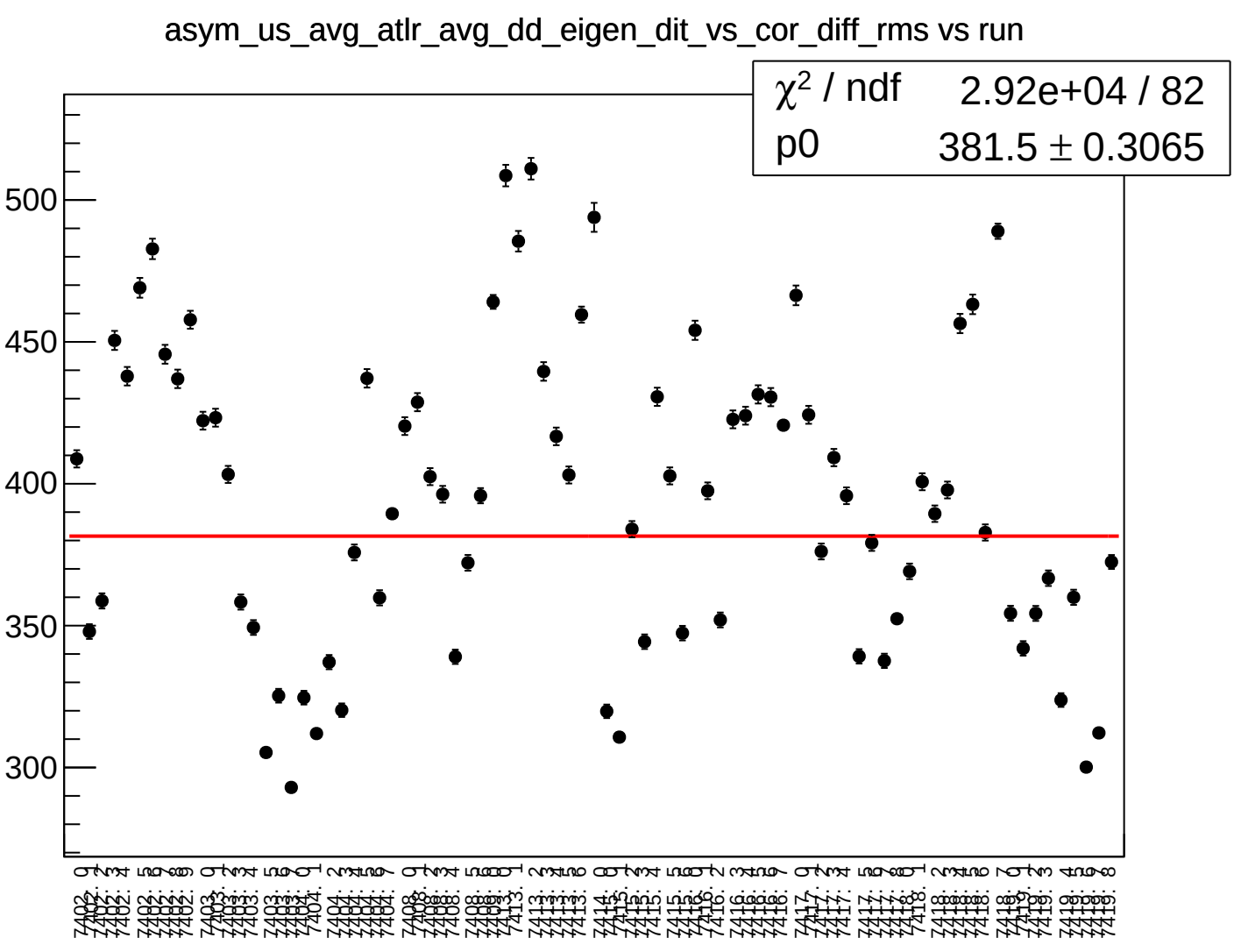

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.56 / 82
p0 6.924e−07 ± 3.963e−06
pull
Entries 83
Mean 112.7
Std Dev 0

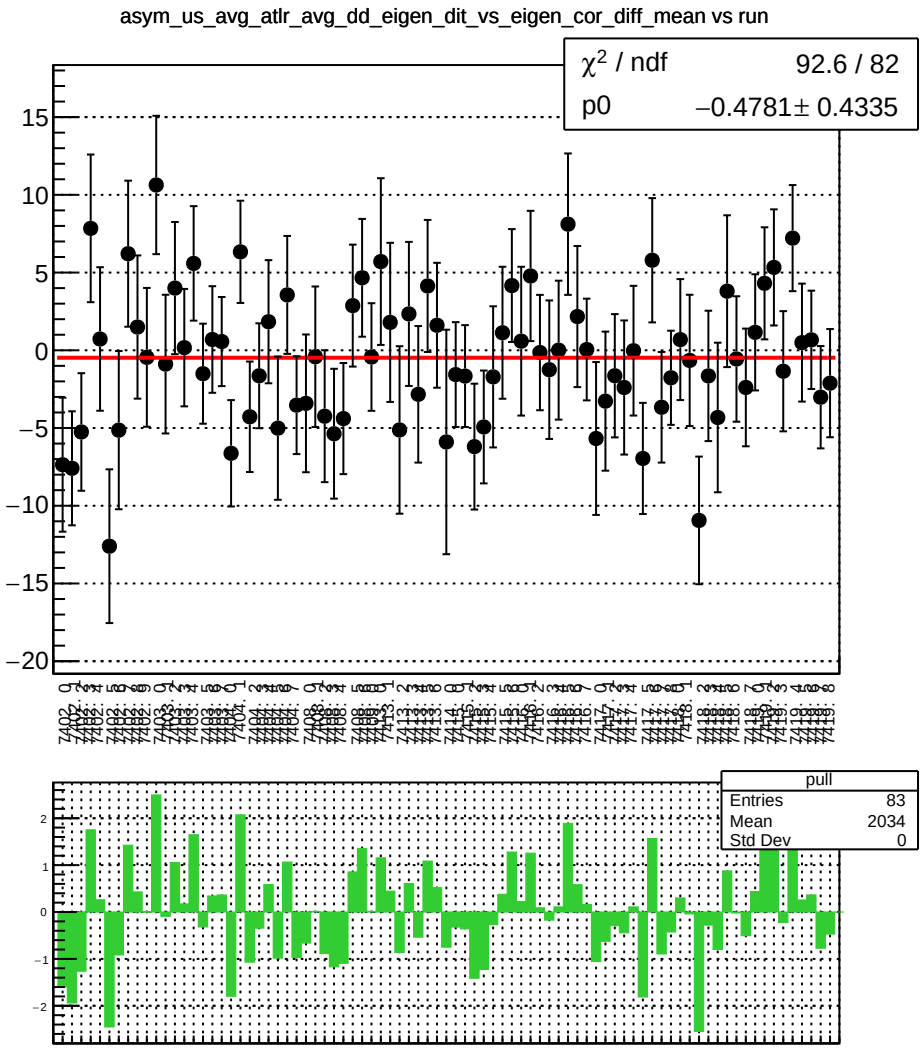

pull1D
Entries 83
Mean 0.0452
Std Dev 0.9594

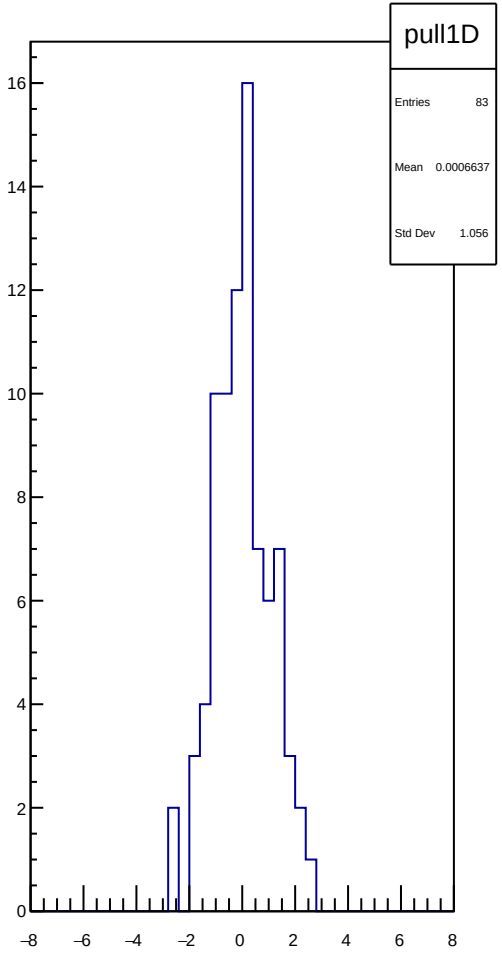

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.521e+05 / 82
p0 0.003104 ± 2.803e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

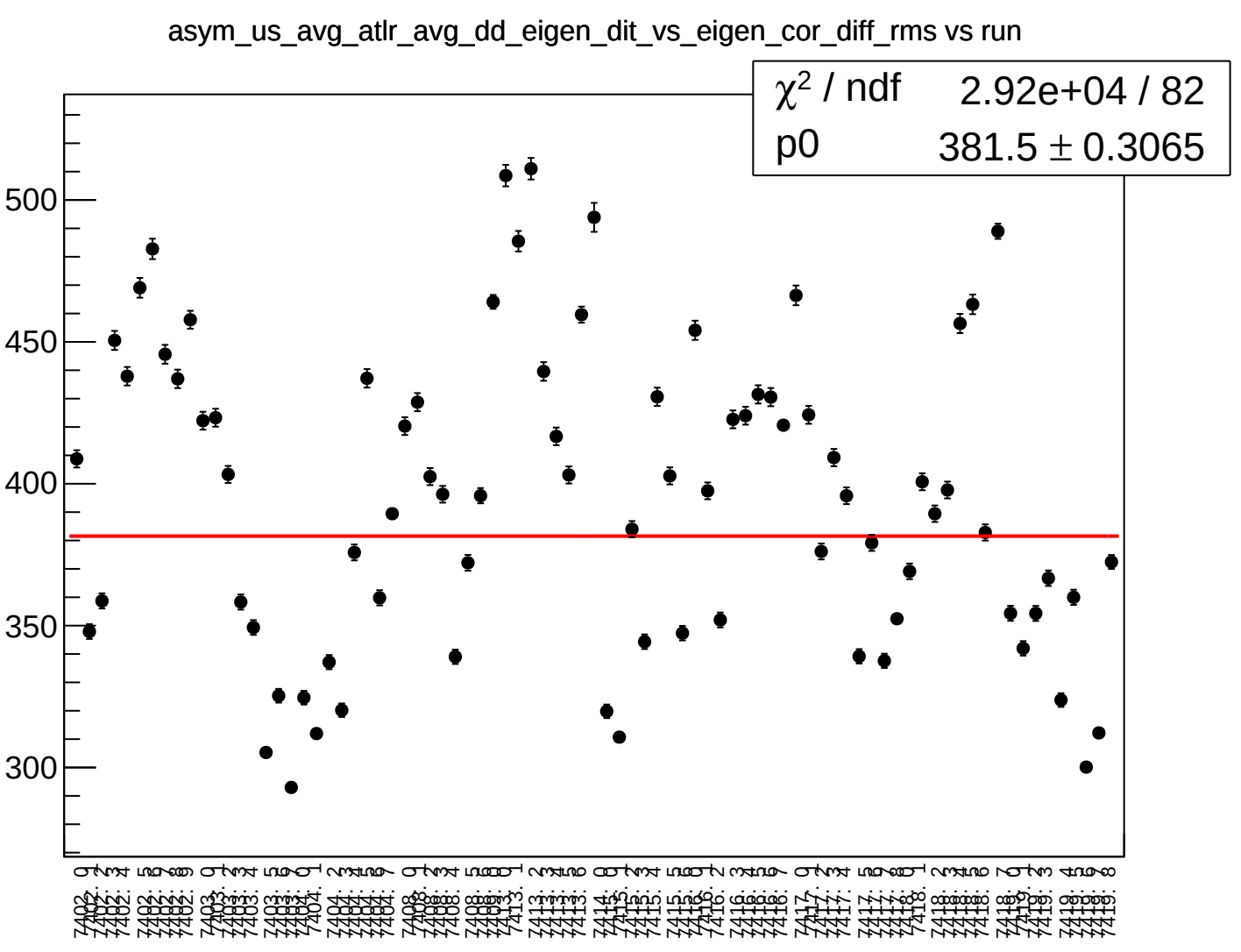

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.6 / 82
p0 −0.4781± 0.4335
pull
Entries 83
Mean 2034
Std Dev 0

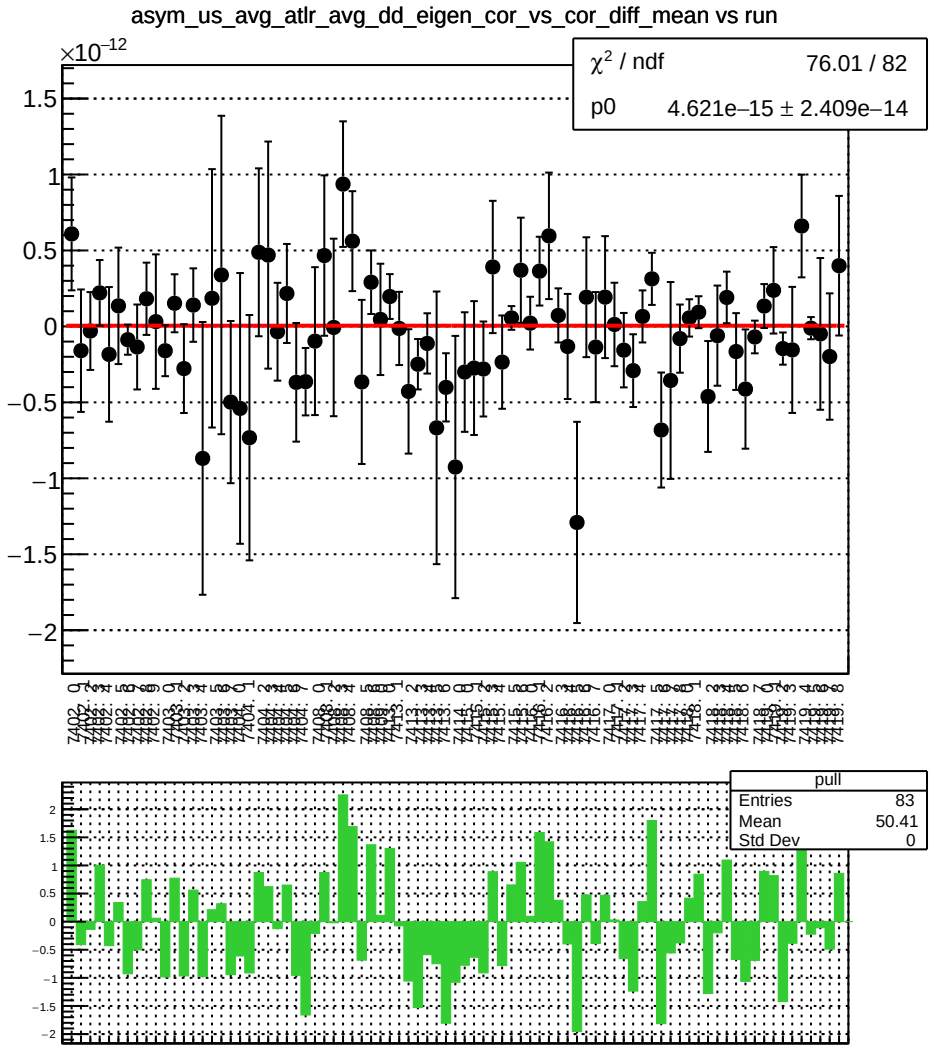

pull1D
Entries 83
Mean 0.0006637
Std Dev 1.056

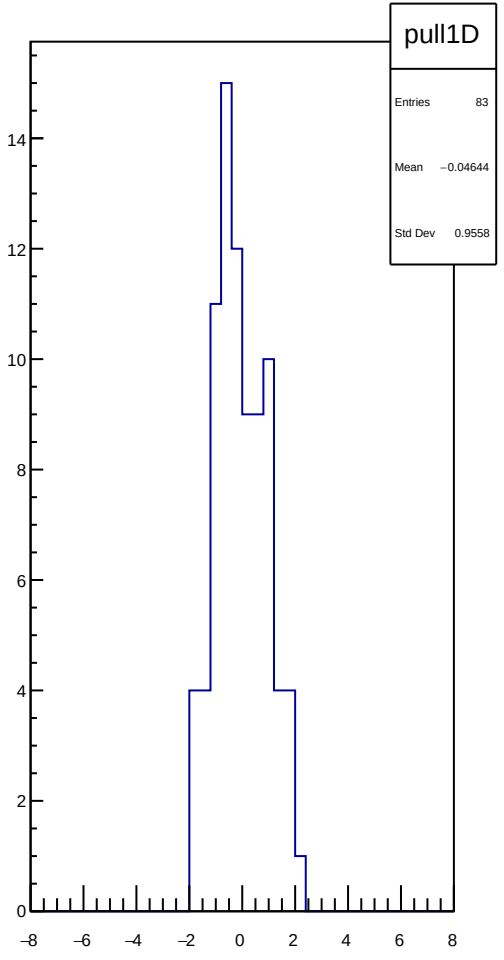

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.92e+04 / 82
p0 381.5 ± 0.3065
500
450
400
350
300

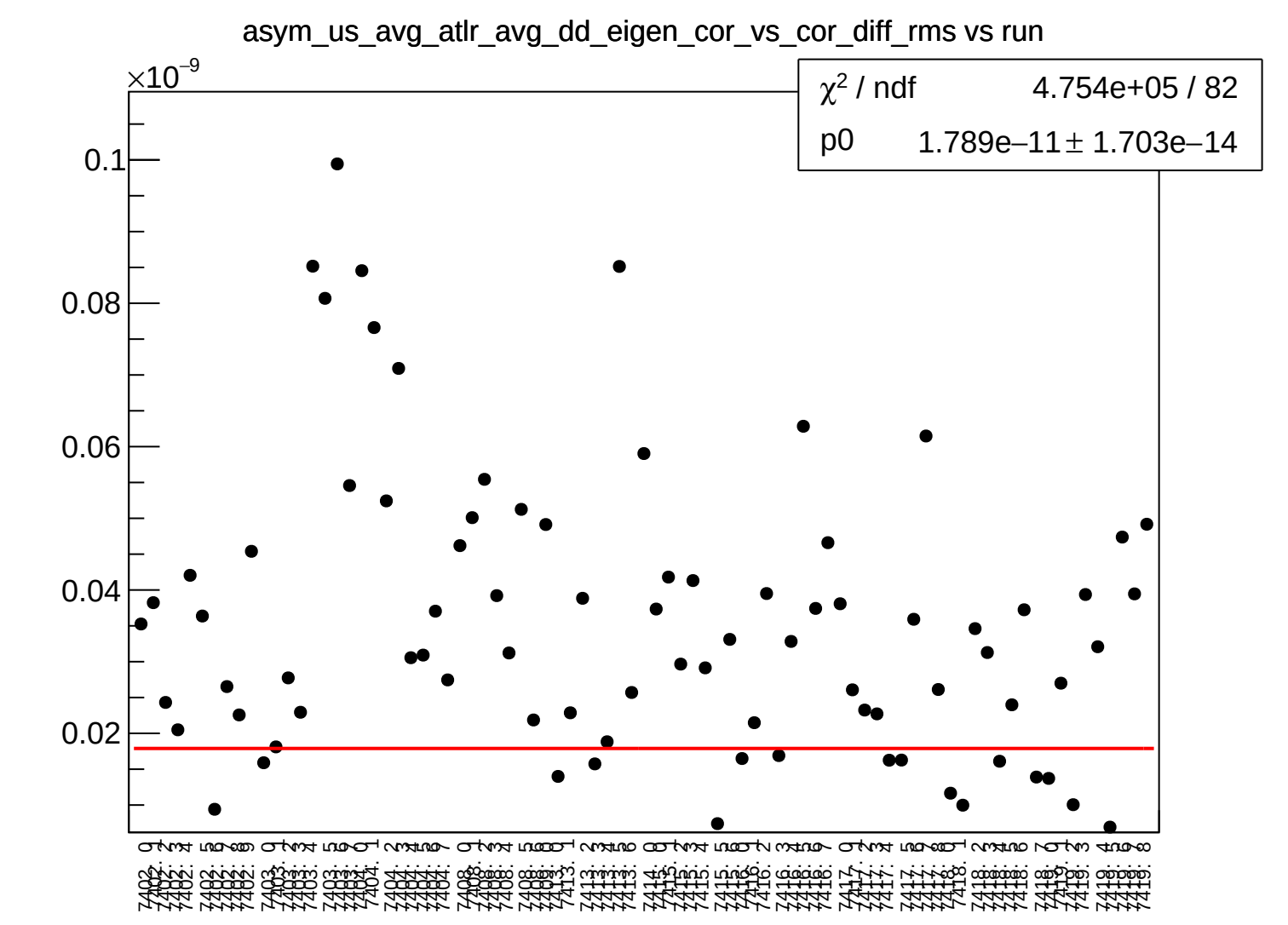

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.6 / 82
p0 −0.4781± 0.4335
pull
Entries 83
Mean 2034
Std Dev 0

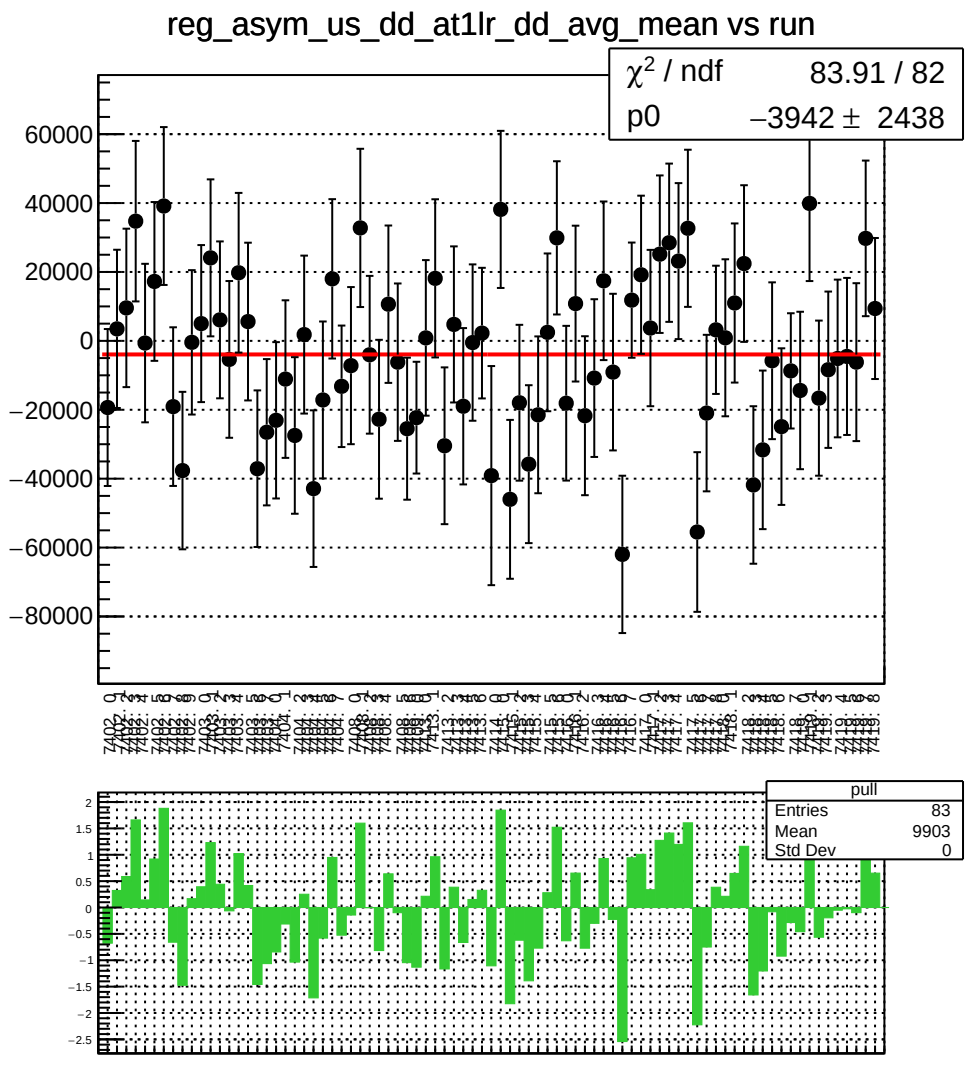

pull1D
Entries 83
Mean 0.0006637
Std Dev 1.056

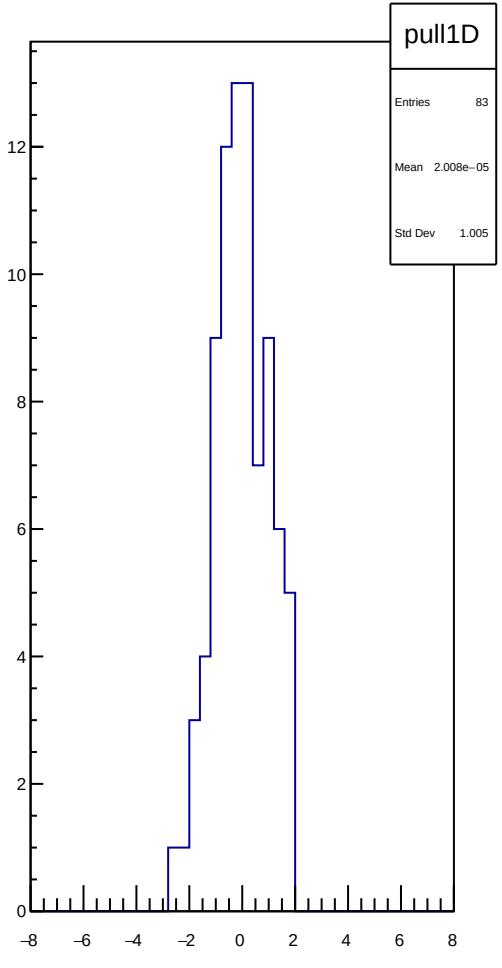

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.92e+04 / 82
p0 381.5 ± 0.3065
500
450
400
350
300

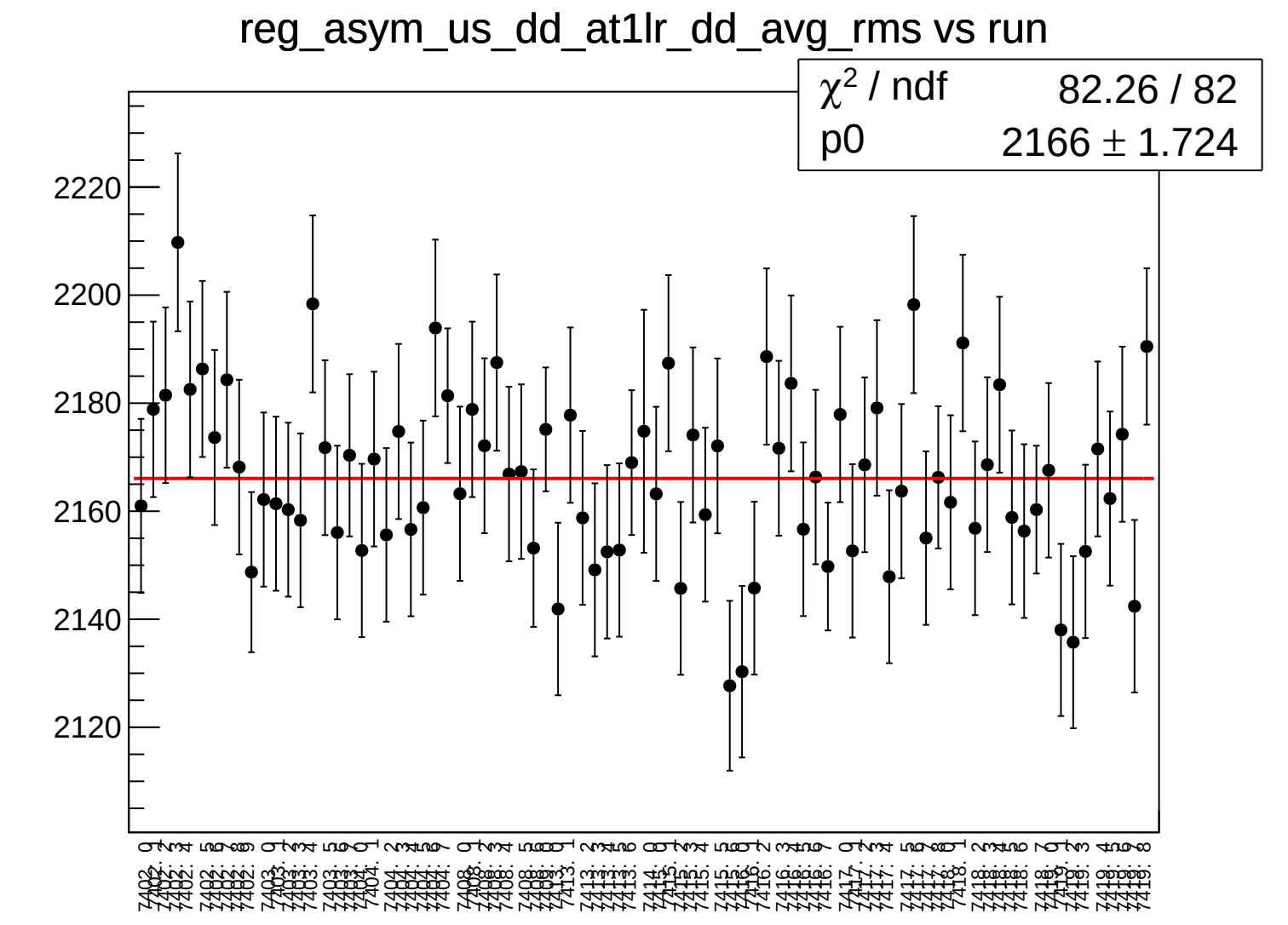

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.01 / 82
p0 4.621e−15 ± 2.409e−14
pull
Entries 83
Mean 50.41
Std Dev 0

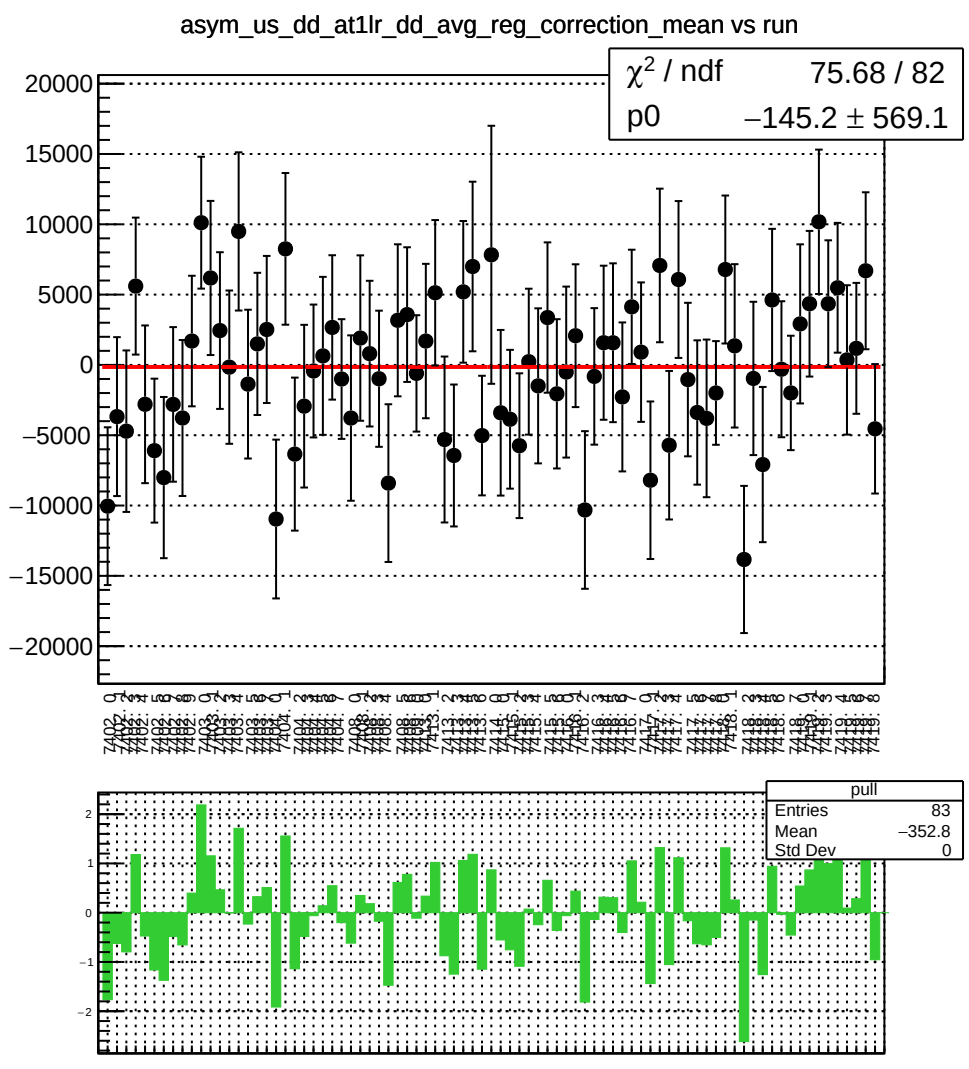

pull1D
Entries 83
Mean −0.04644
Std Dev 0.9558

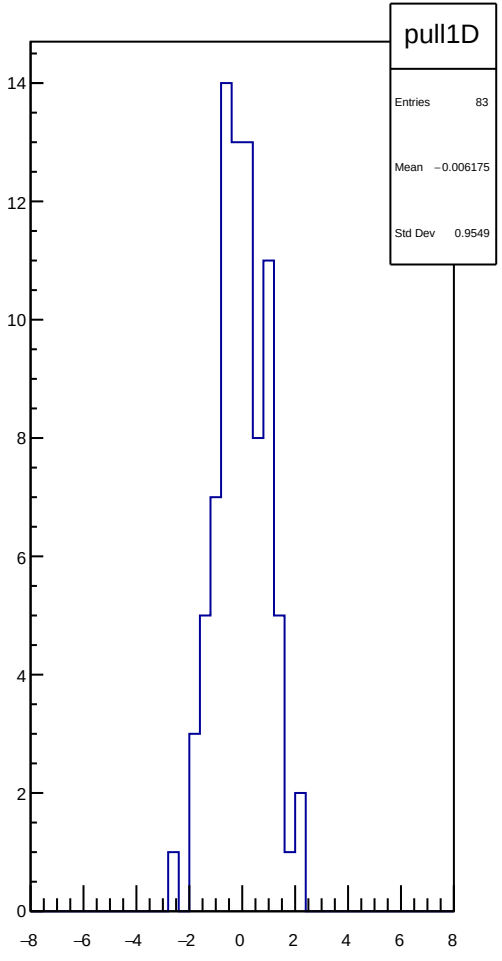

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.754e+05 / 82
p0 1.789e−11 ± 1.703e−14
0.1
0.08
0.06
0.04
0.02

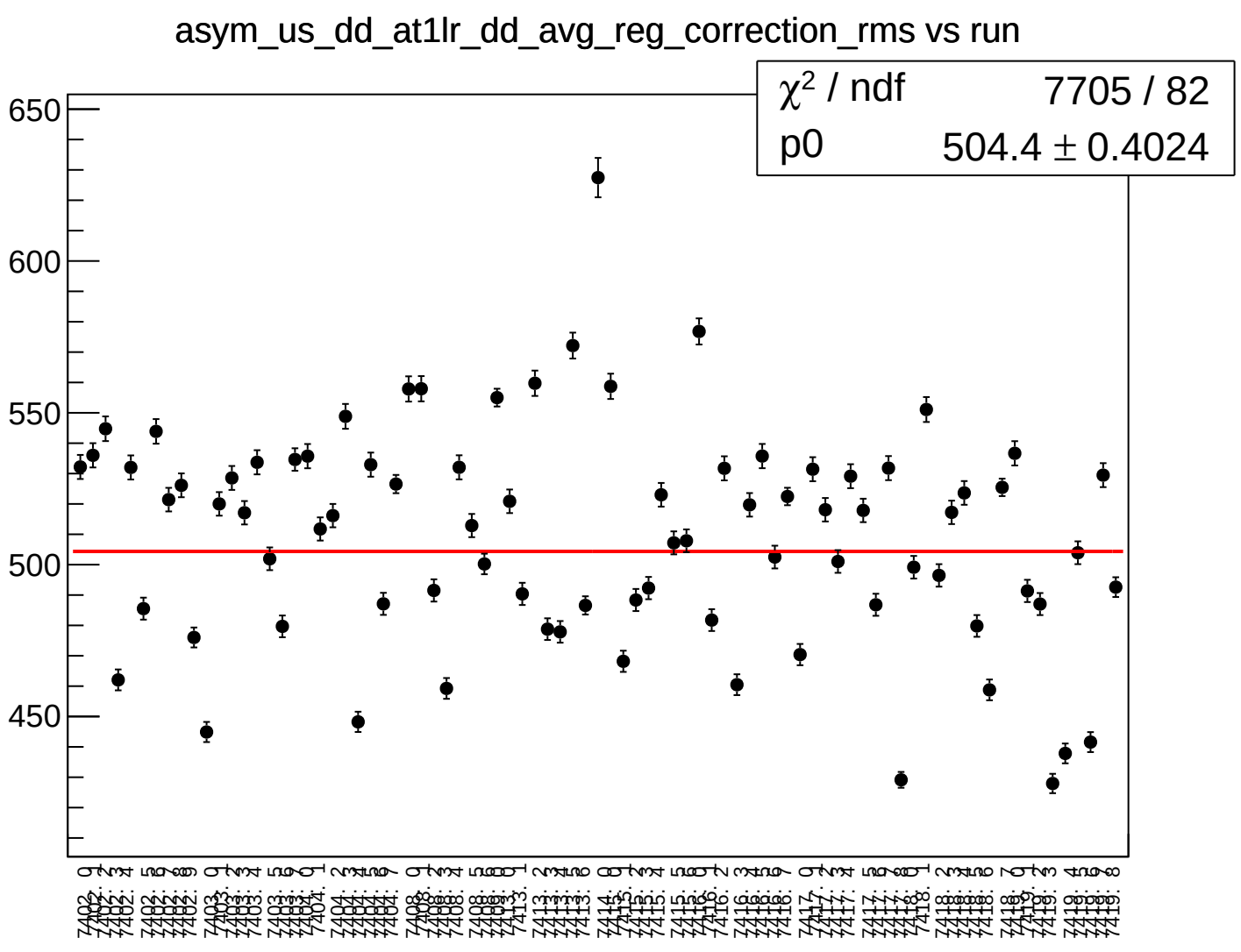

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 83.91 / 82
p0 −3942 ± 2438
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 9903
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

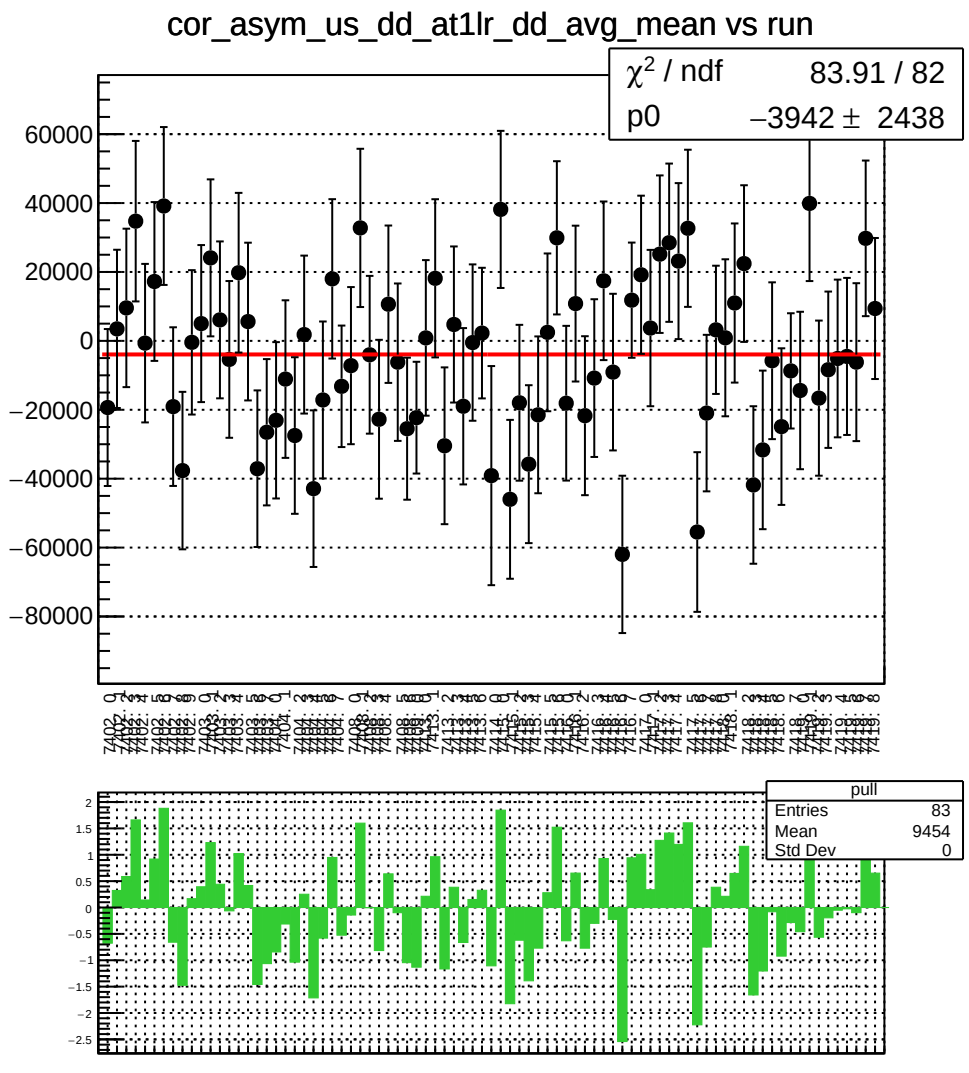

pull1D
Entries 83
Mean 2.008e−05
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

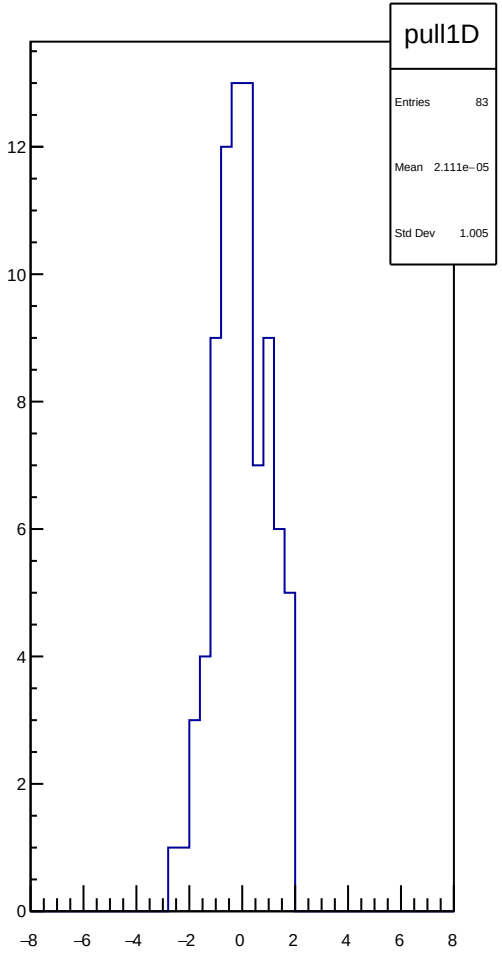

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 82.26 / 82
p0 2166 ± 1.724
2220
2200
2180
2160
2140
2120

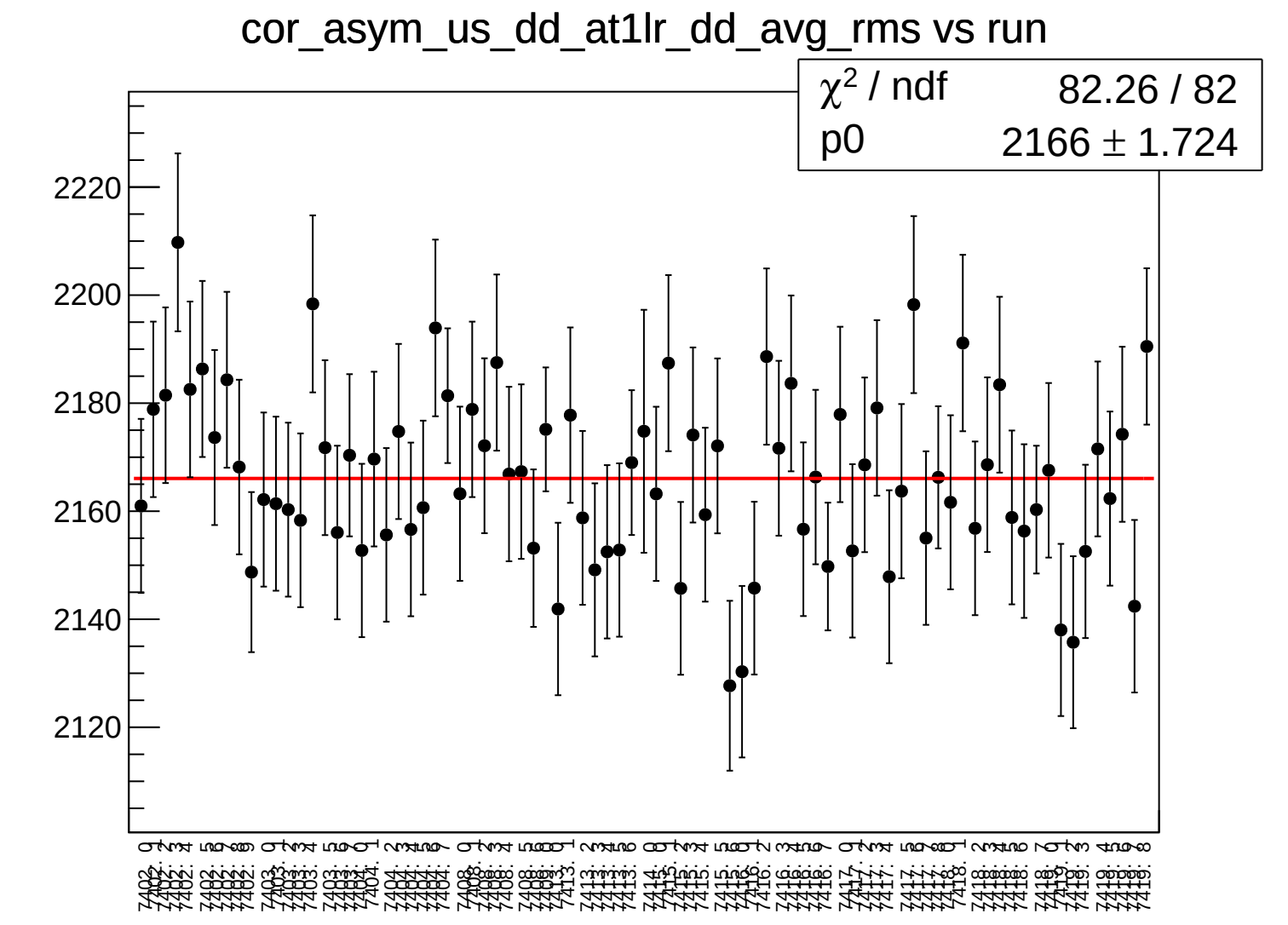

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 75.68 / 82
p0 −145.2 ± 569.1
pull
Entries 83
Mean −352.8
Std Dev 0

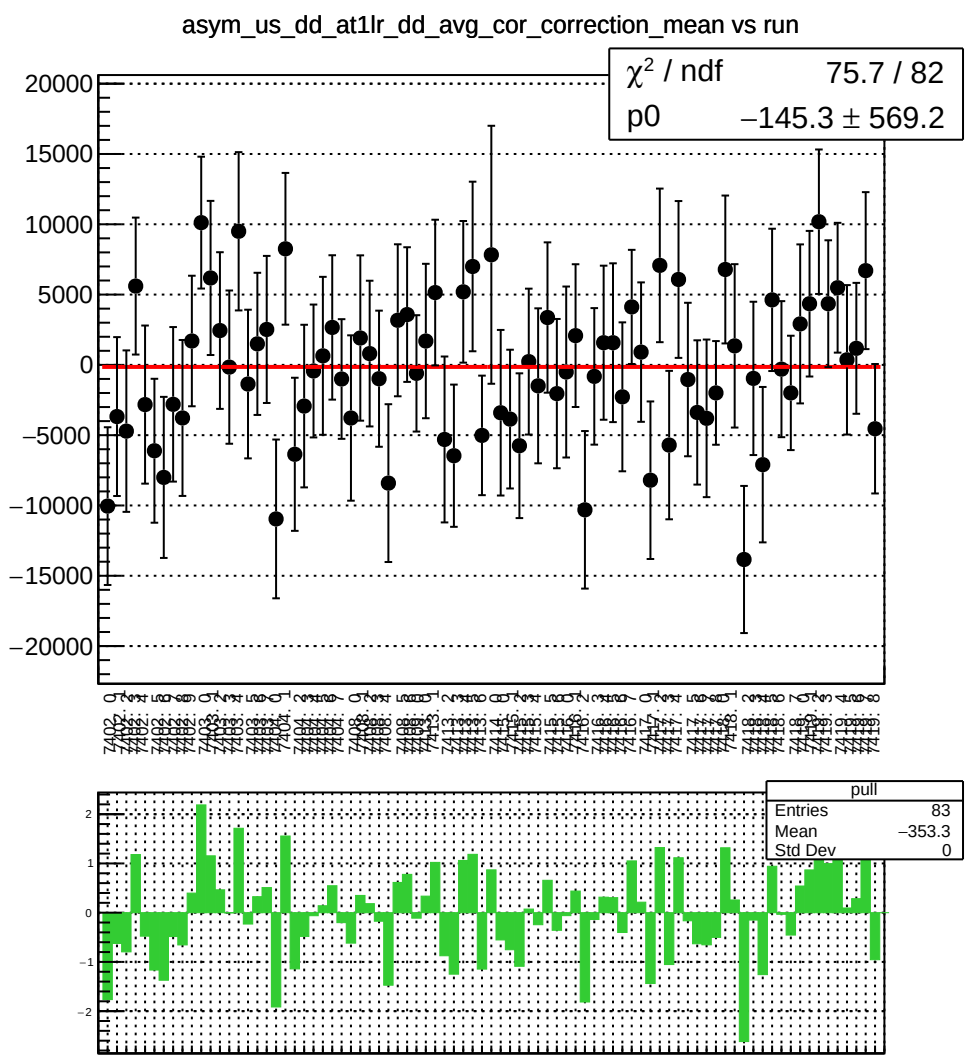

pull1D
Entries 83
Mean −0.006175
Std Dev 0.9549

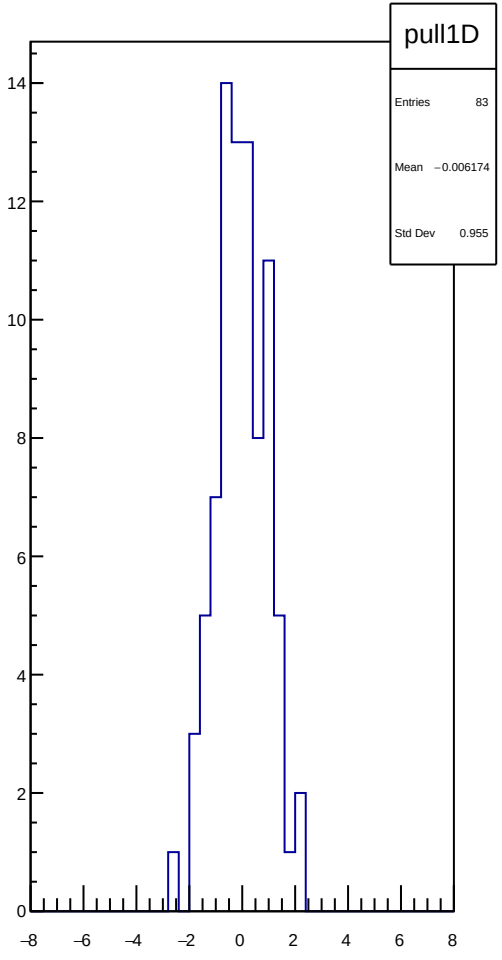

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 7705 / 82
p0 504.4 ± 0.4024
650
600
550
500
450

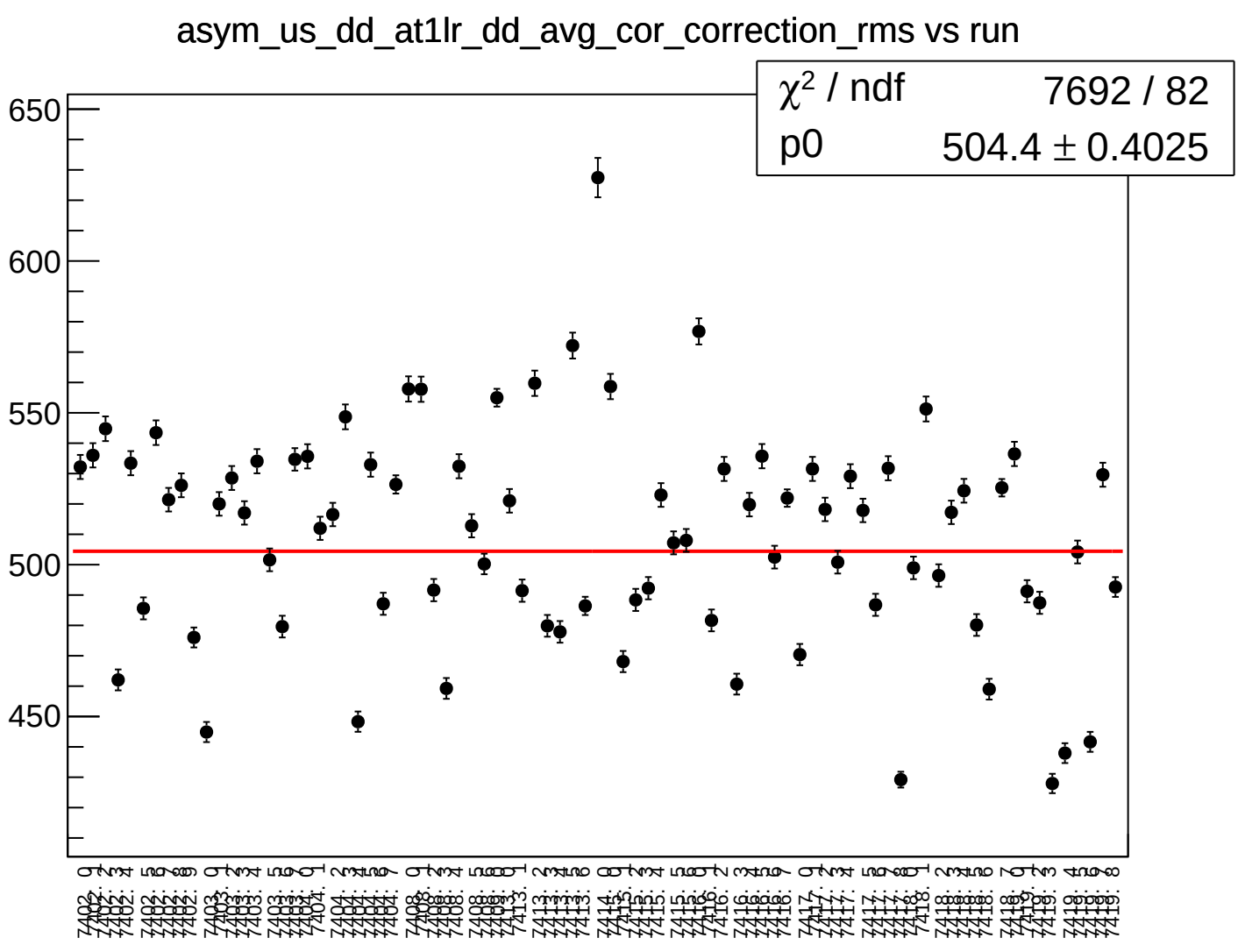

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 83.91 / 82
p0 −3942 ± 2438
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 9454
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

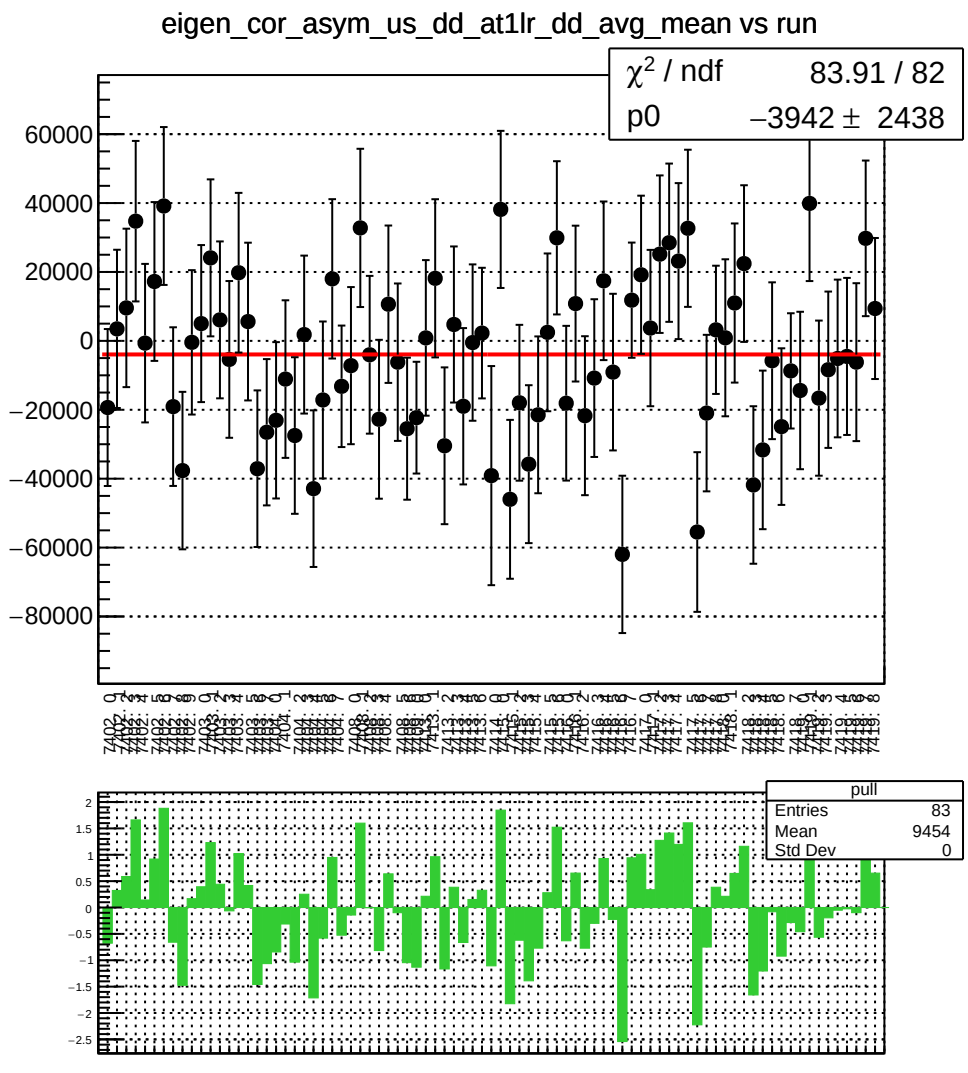

pull1D
Entries 83
Mean 2.111e−05
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

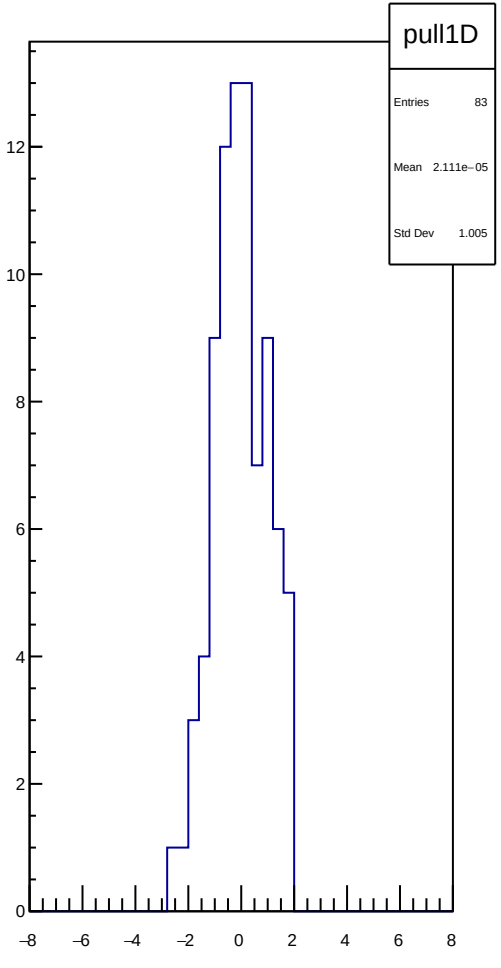

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 82.26 / 82
p0 2166 ± 1.724
2220
2200
2180
2160
2140
2120

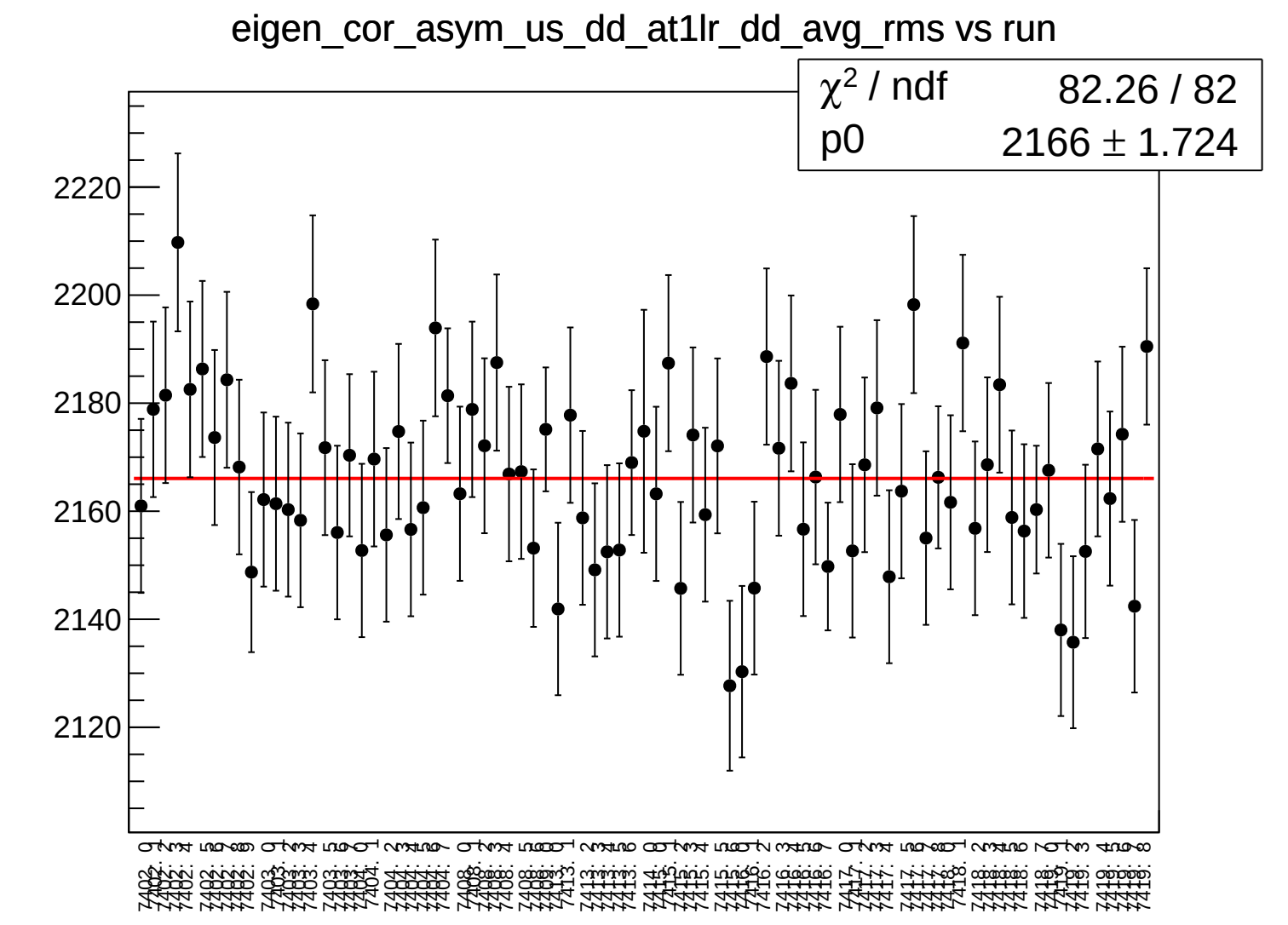

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 75.7 / 82
p0 −145.3 ± 569.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean −353.3
Std Dev 0
2
1
0
−1
−2

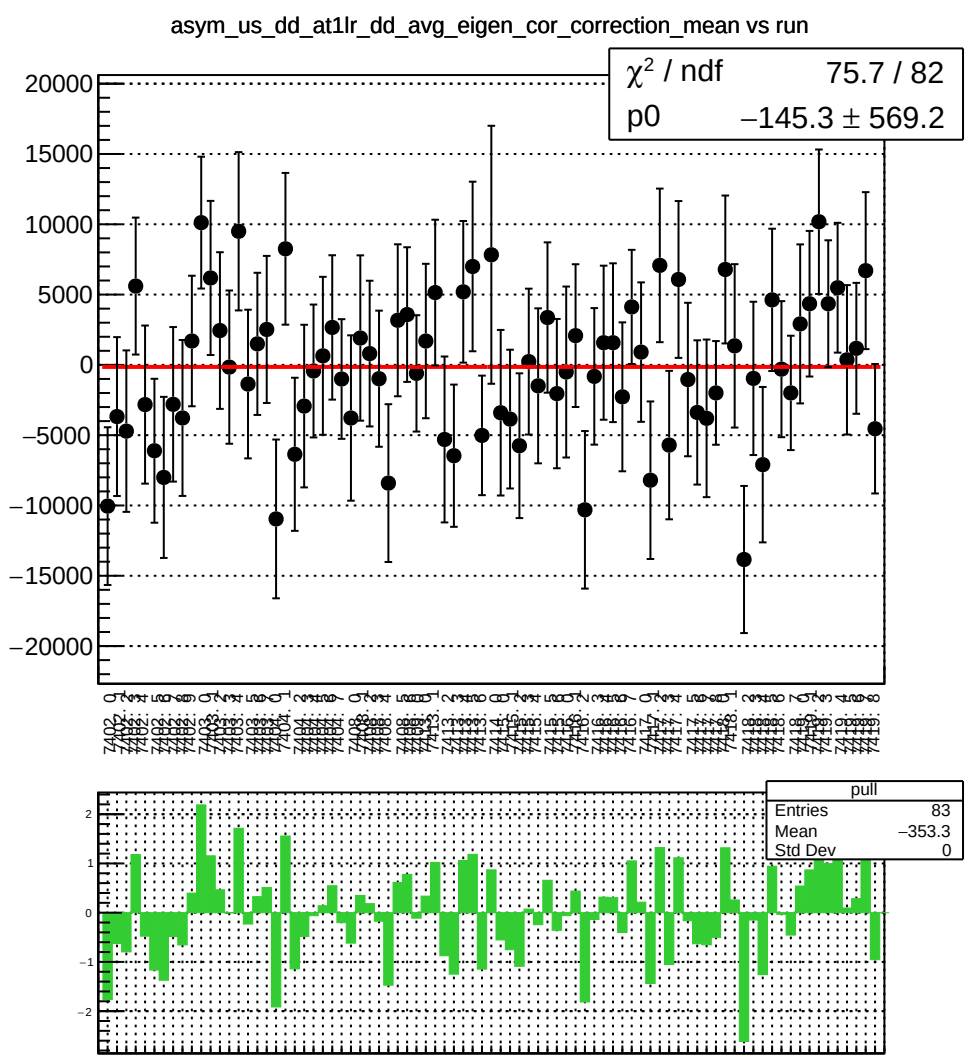

pull1D
Entries 83
Mean −0.006174
Std Dev 0.955
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

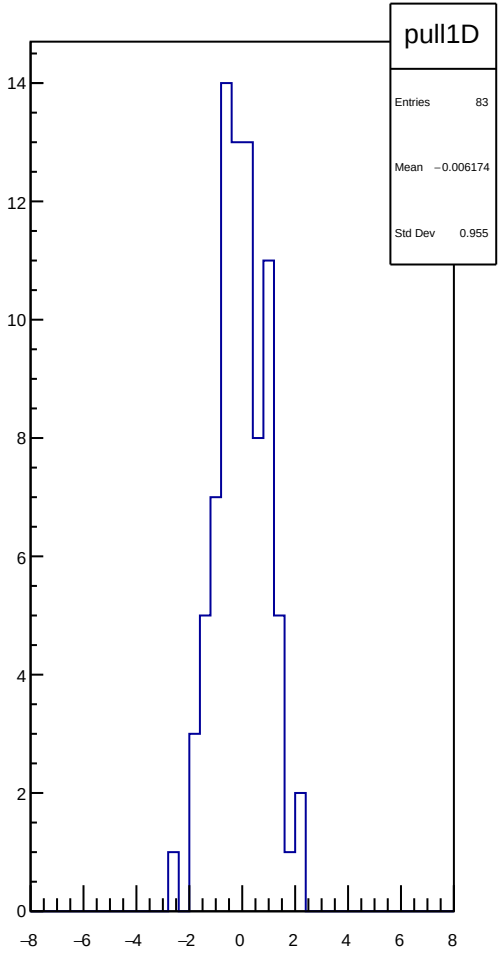

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 7692 / 82
p0 504.4 ± 0.4025
650
600
550
500
450

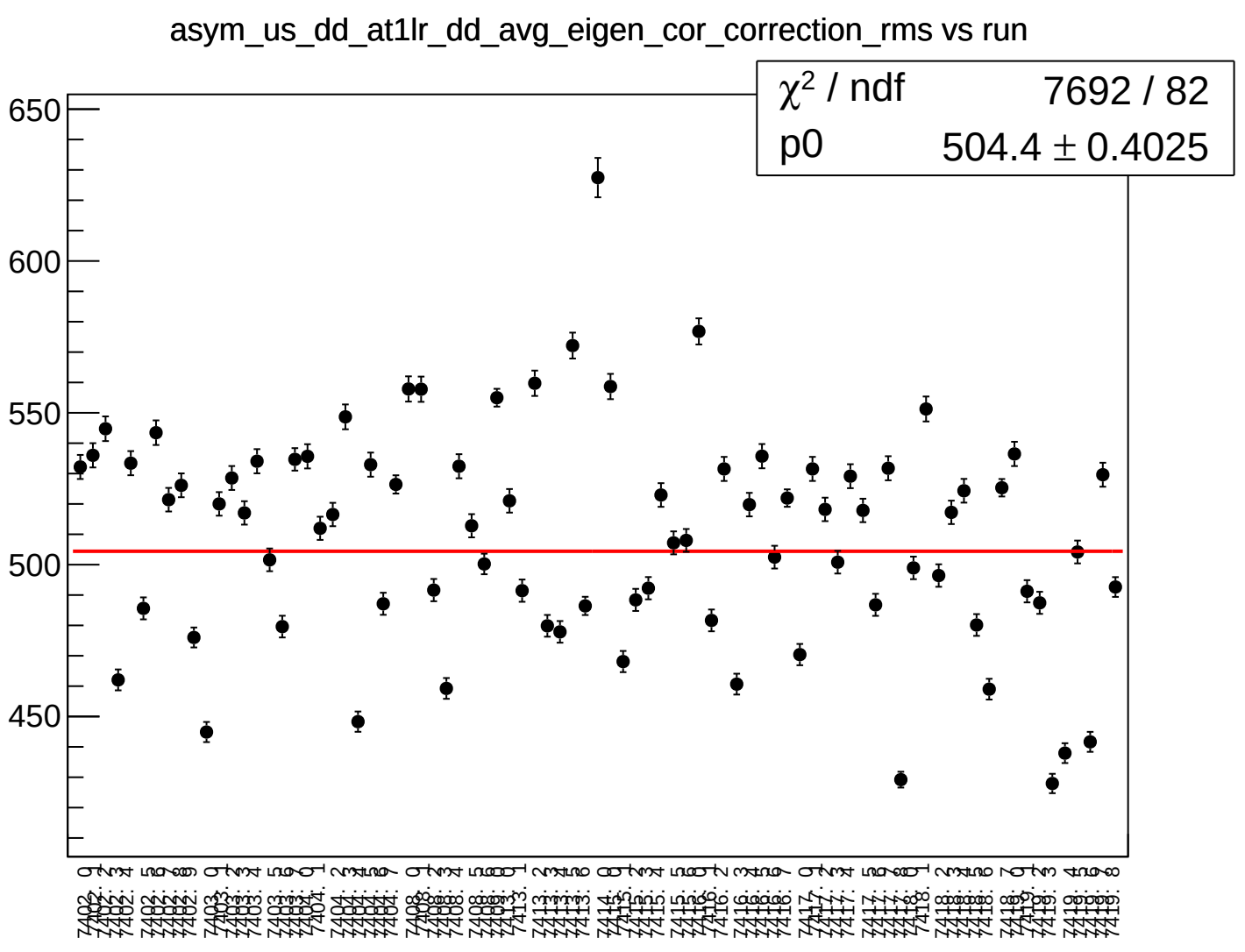

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 83.91 / 82
p0 −3942 ± 2438
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 9454
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

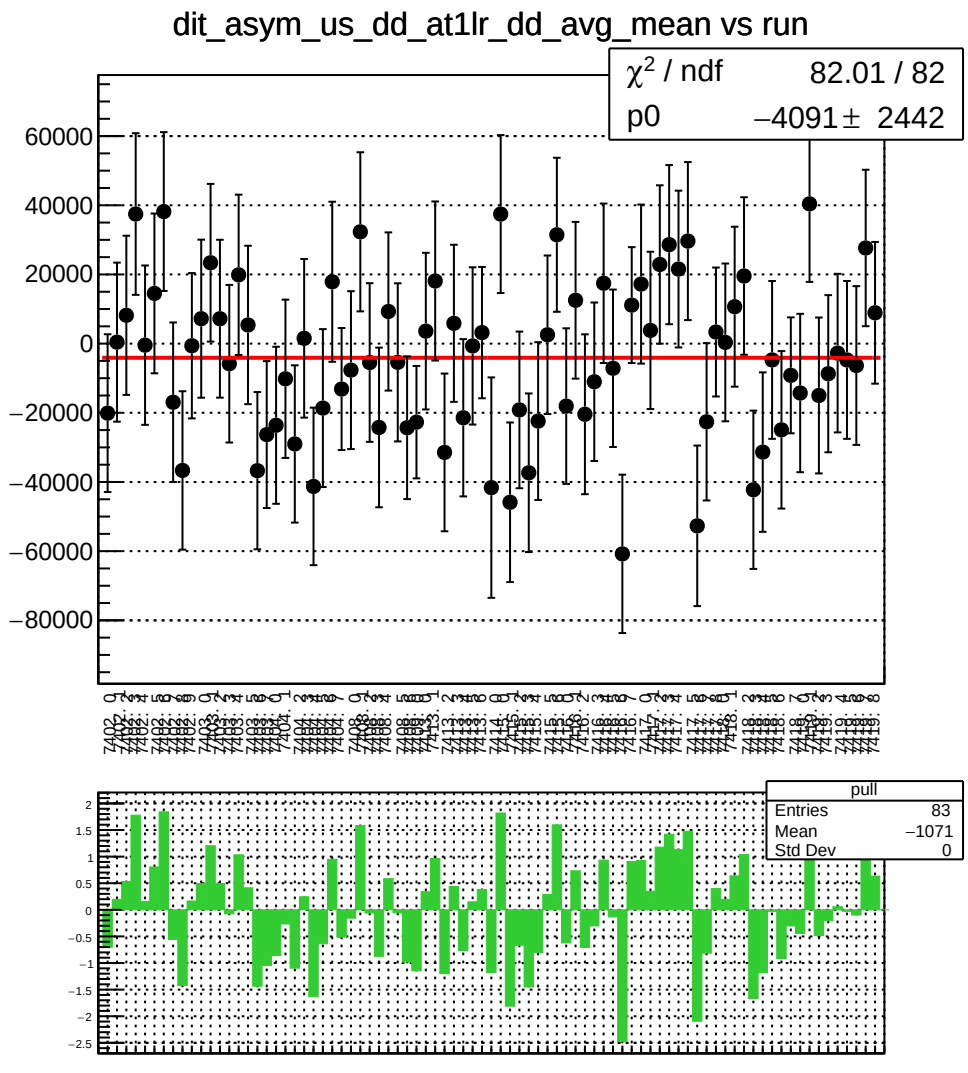

pull1D
Entries 83
Mean 2.111e−05
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

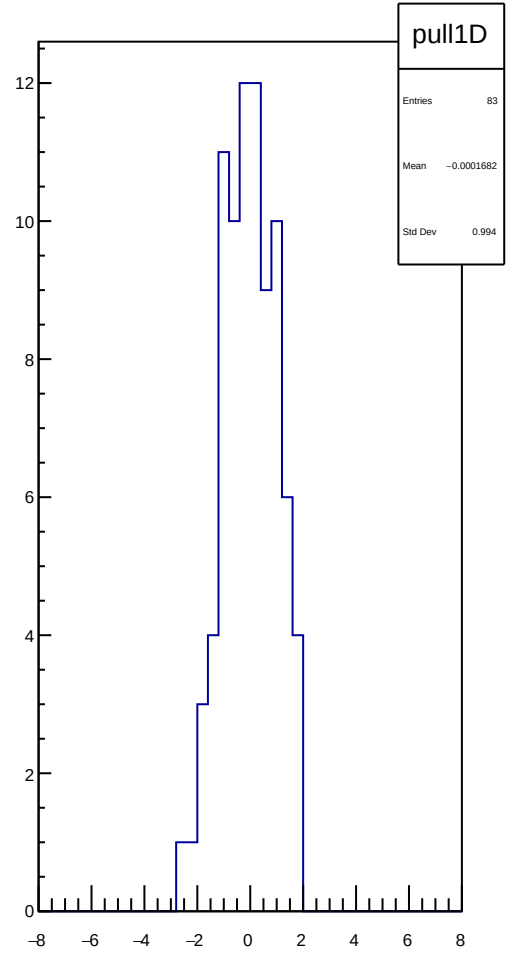

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 82.26 / 82
p0 2166 ± 1.724
2220
2200
2180
2160
2140
2120

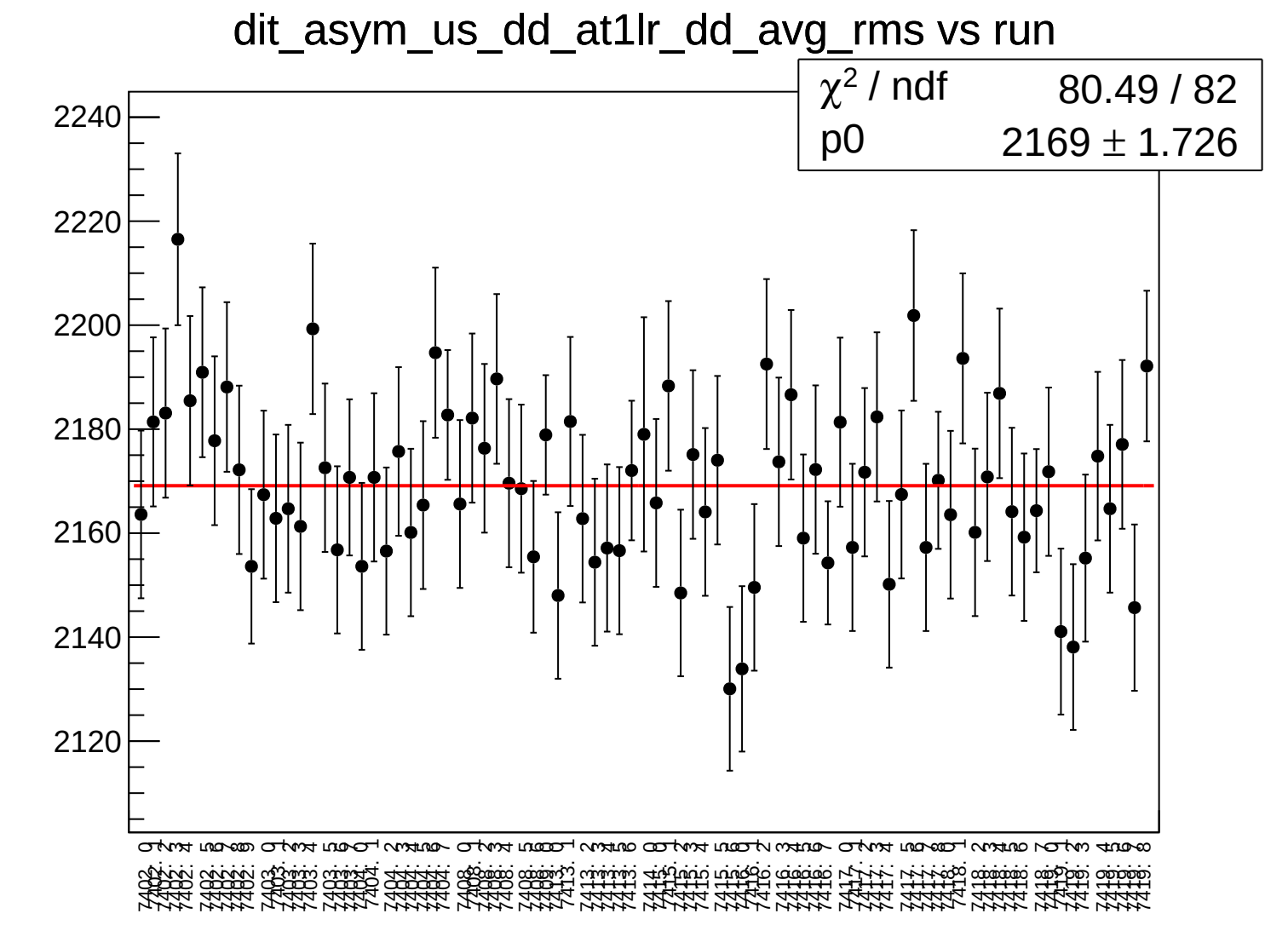

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 75.7 / 82
p0 −145.3 ± 569.2
pull
Entries 83
Mean −353.3
Std Dev 0

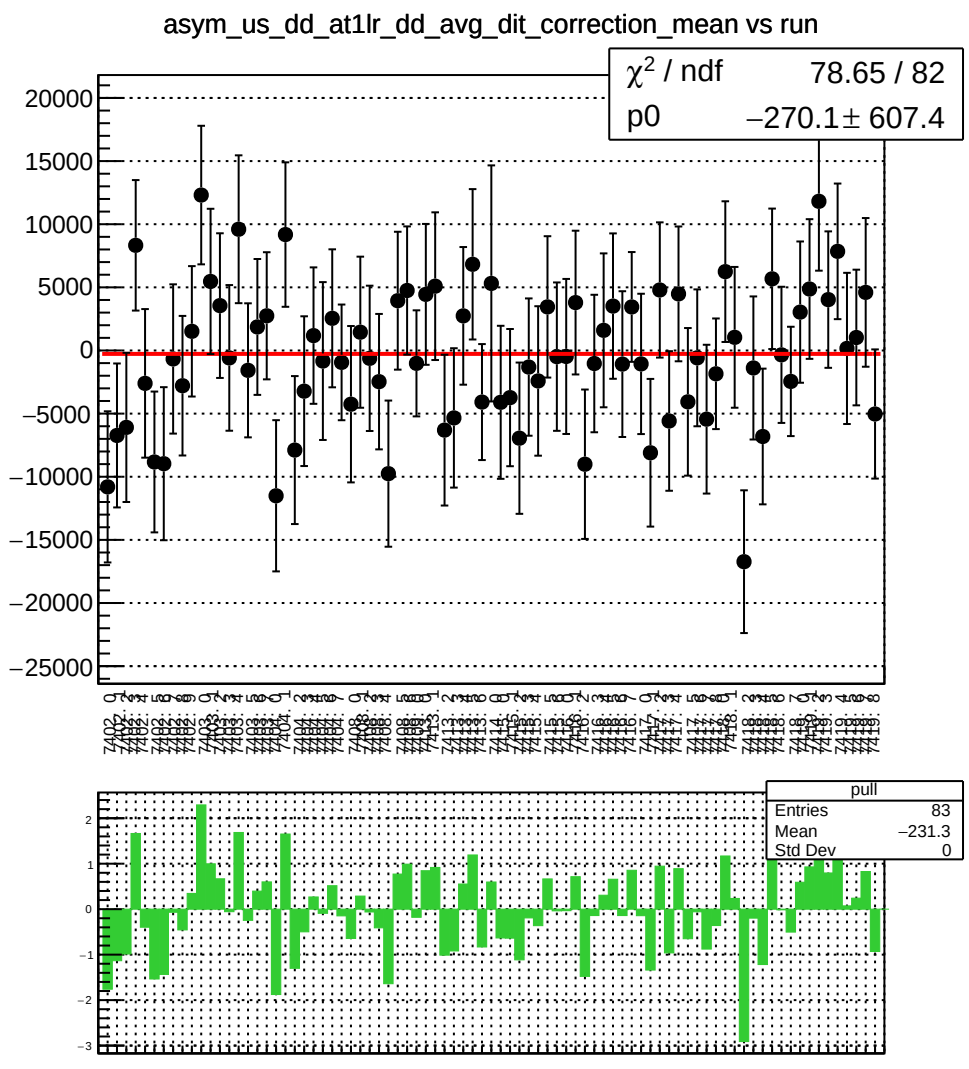

pull1D
Entries 83
Mean −0.006174
Std Dev 0.955

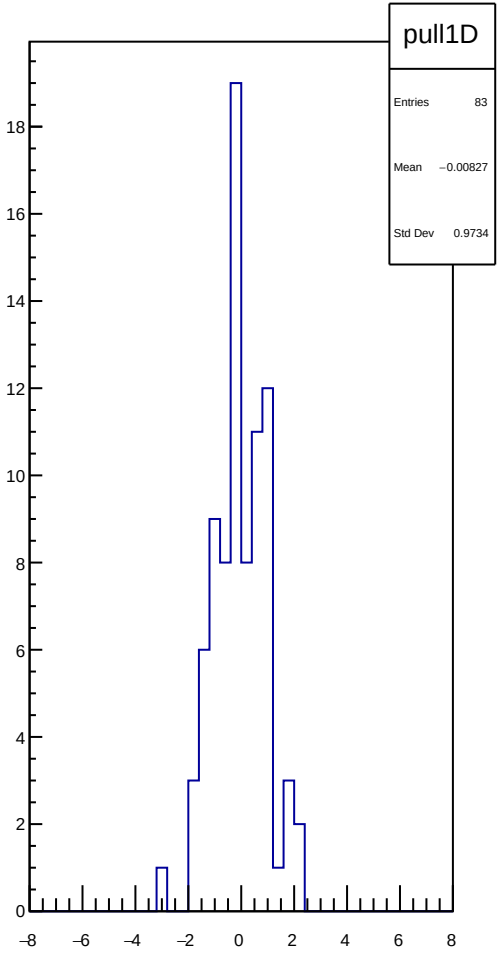

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 7692 / 82
p0 504.4 ± 0.4025
650
600
550
500
450

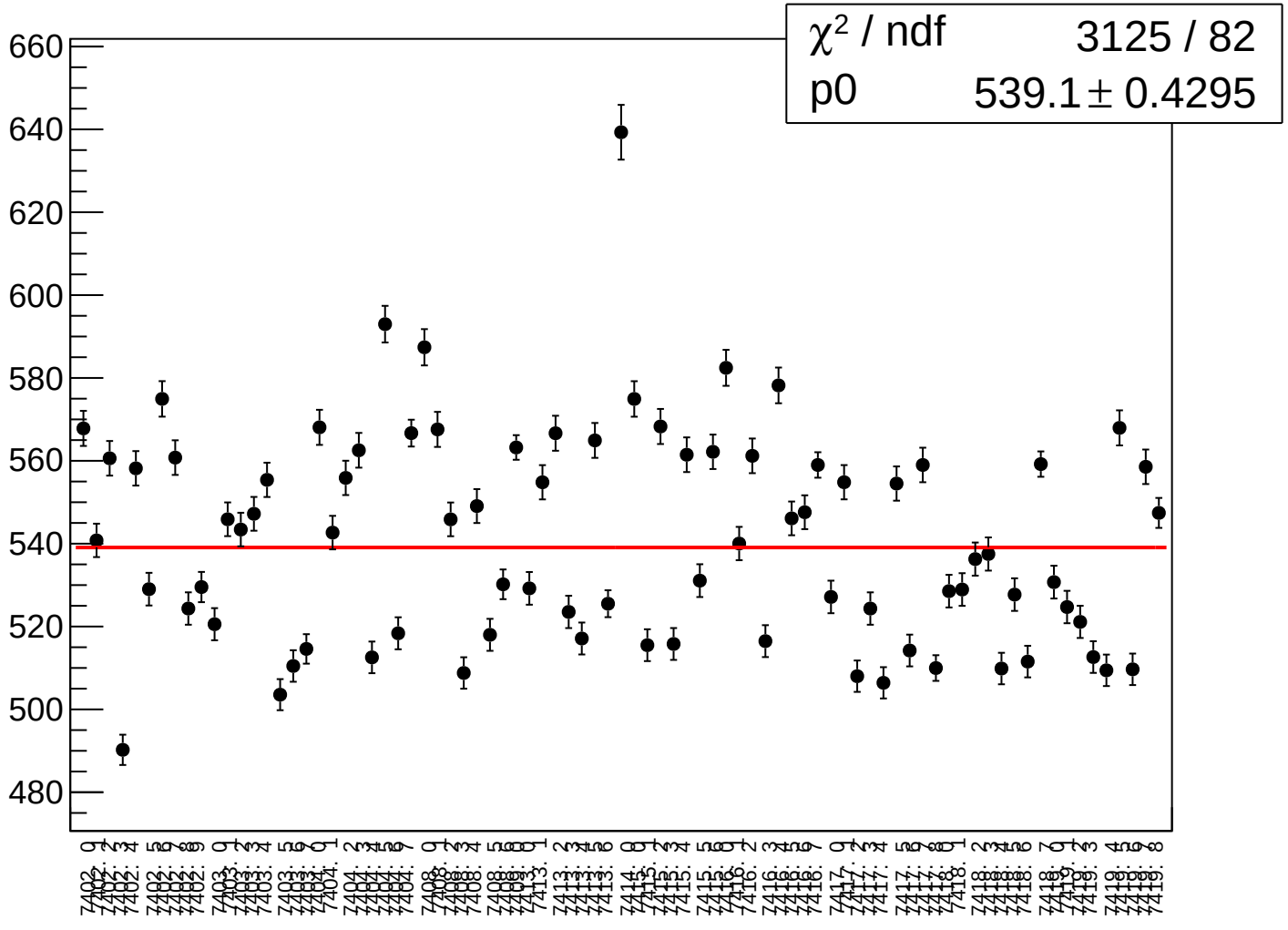

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 82.01 / 82
p0 −4091 ± 2442
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −1071
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

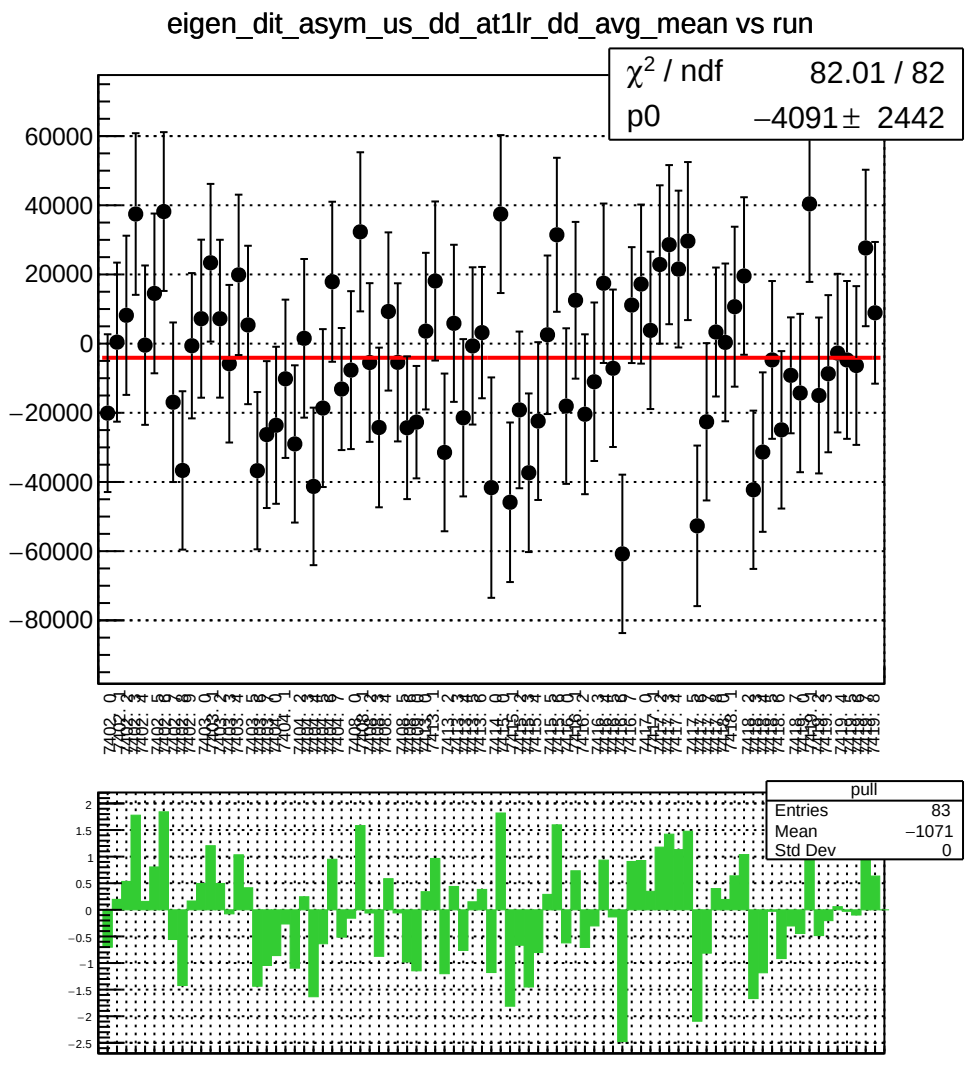

pull1D
Entries 83
Mean −0.0001682
Std Dev 0.994
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

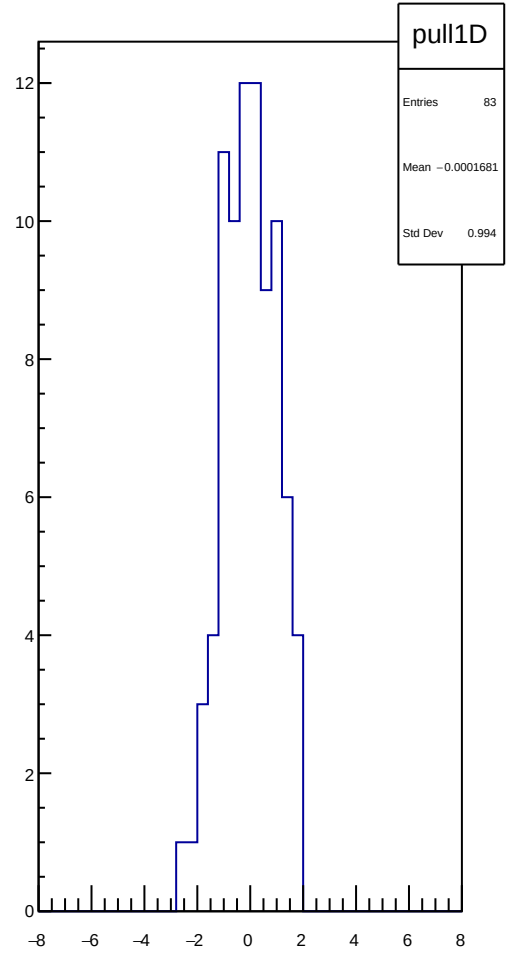

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 80.49 / 82
p0 2169 ± 1.726
2240
2220
2200
2180
2160
2140
2120

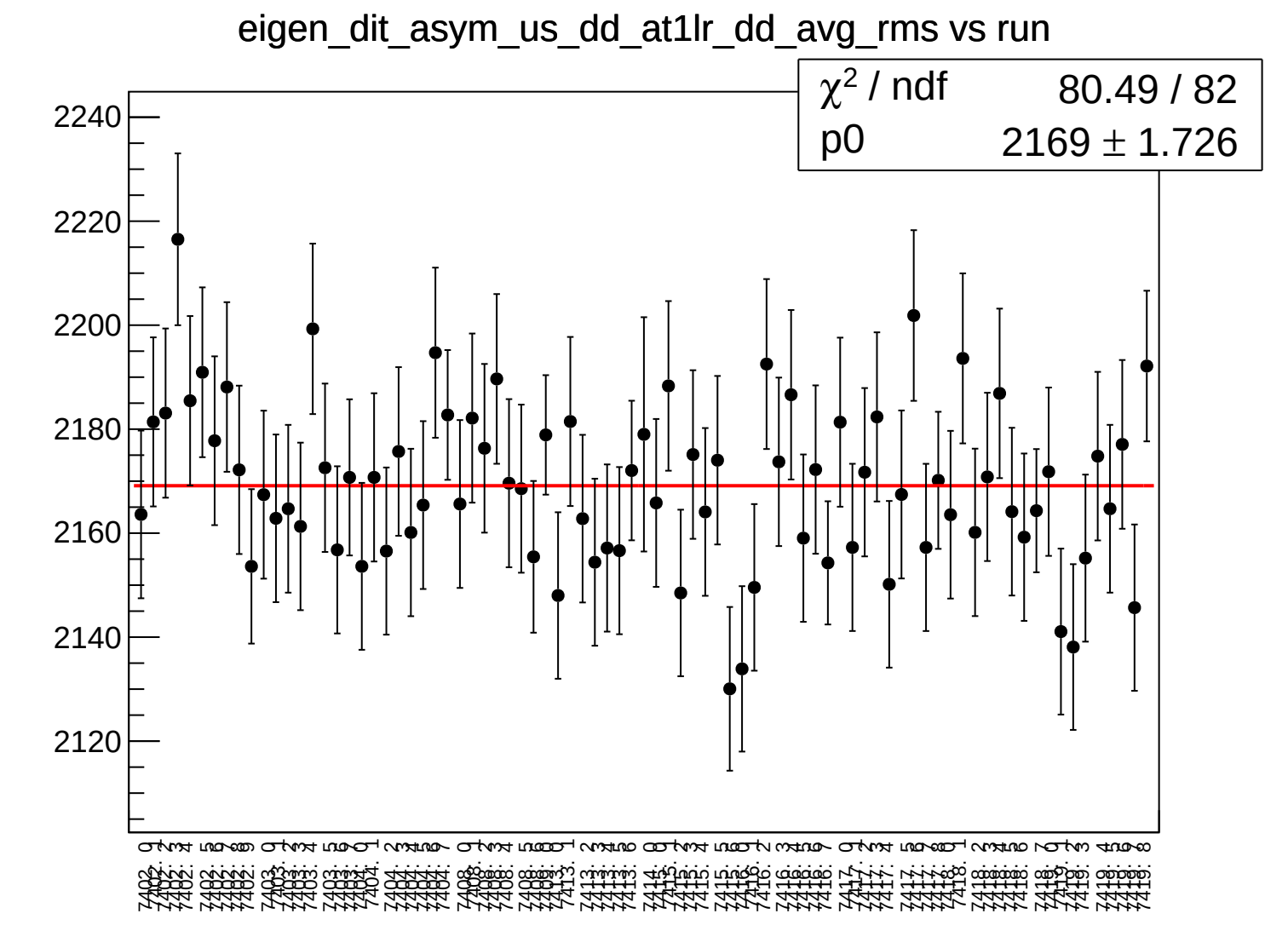

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 78.65 / 82
p0 −270.1± 607.4
pull
Entries 83
Mean −231.3
Std Dev 0

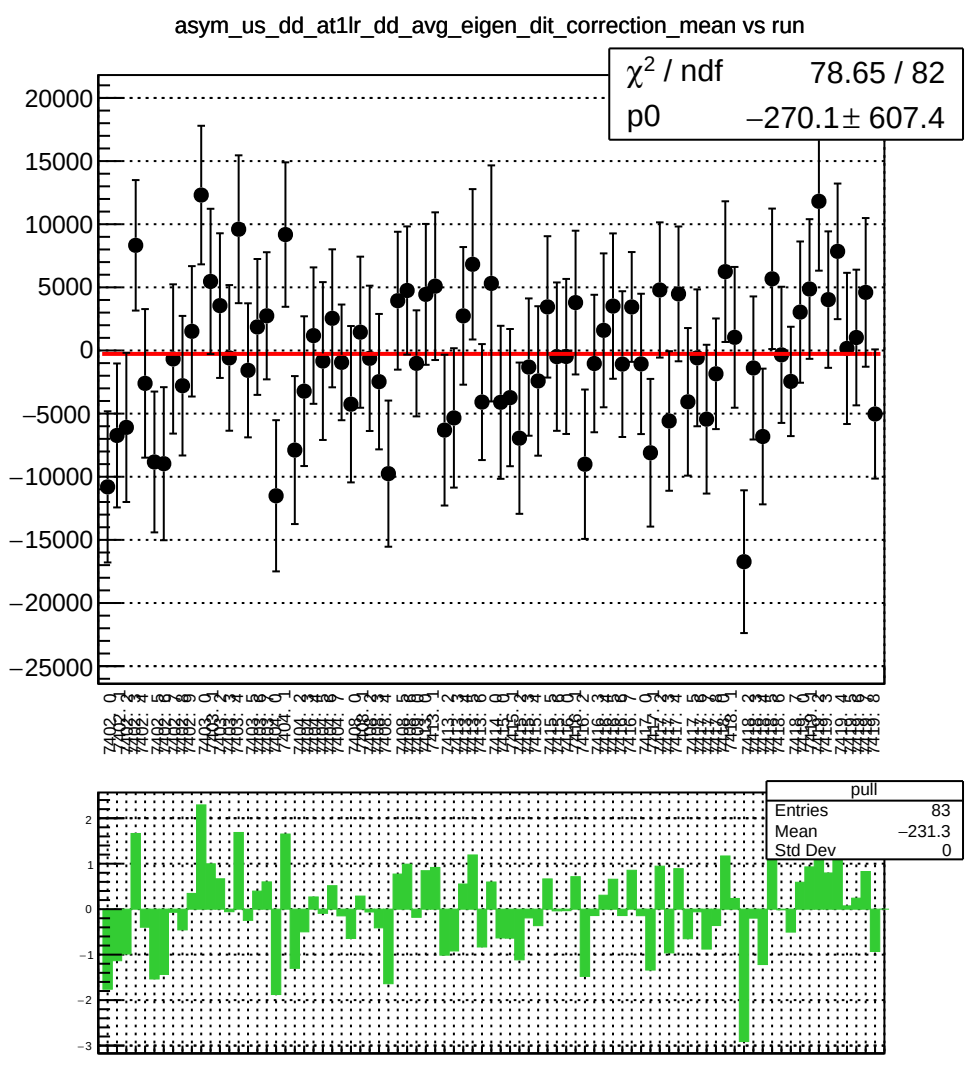

pull1D
Entries 83
Mean −0.00827
Std Dev 0.9734

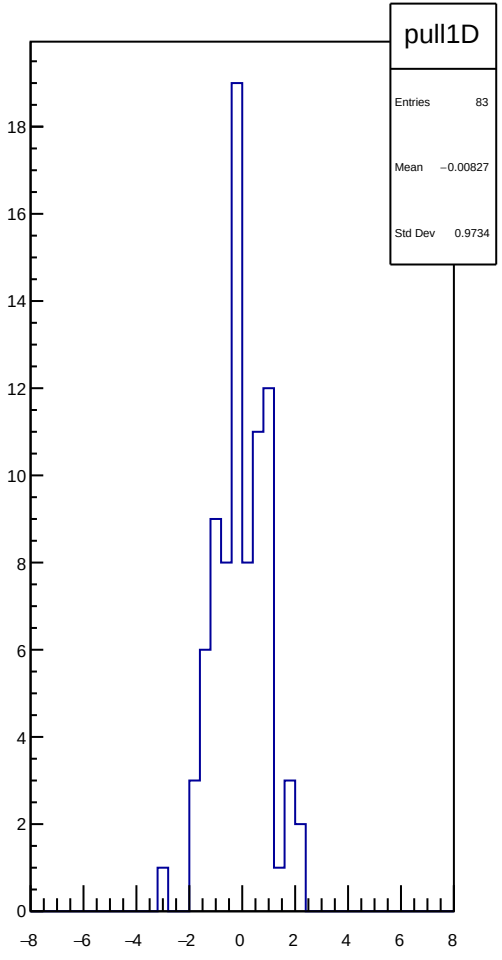

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3125 / 82
p0 539.1 ± 0.4295
660
640
620
600
580
560
540
520
500
480

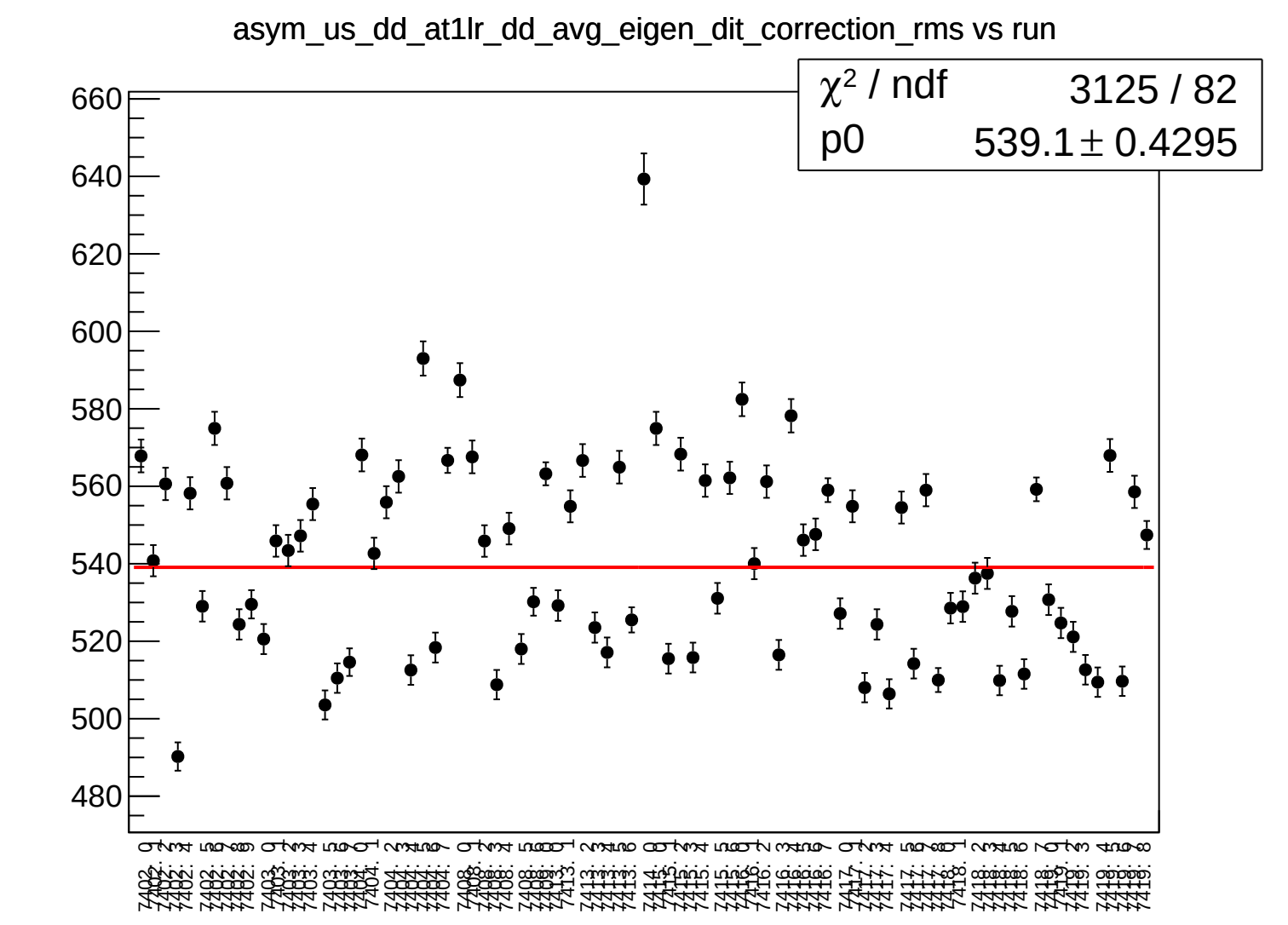

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 82.01 / 82
p0 −4091 ± 2442
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −1071
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

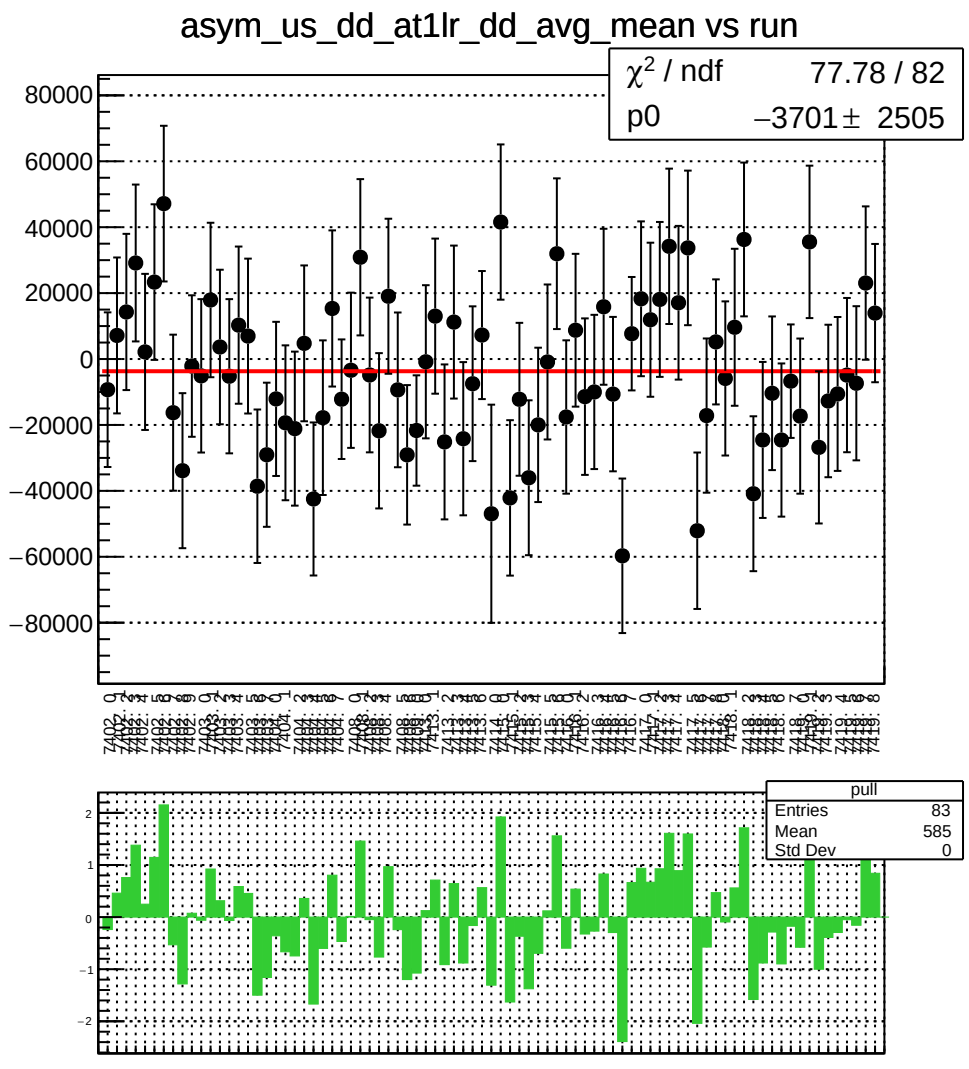

pull1D
Entries 83
Mean −0.0001681
Std Dev 0.994
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

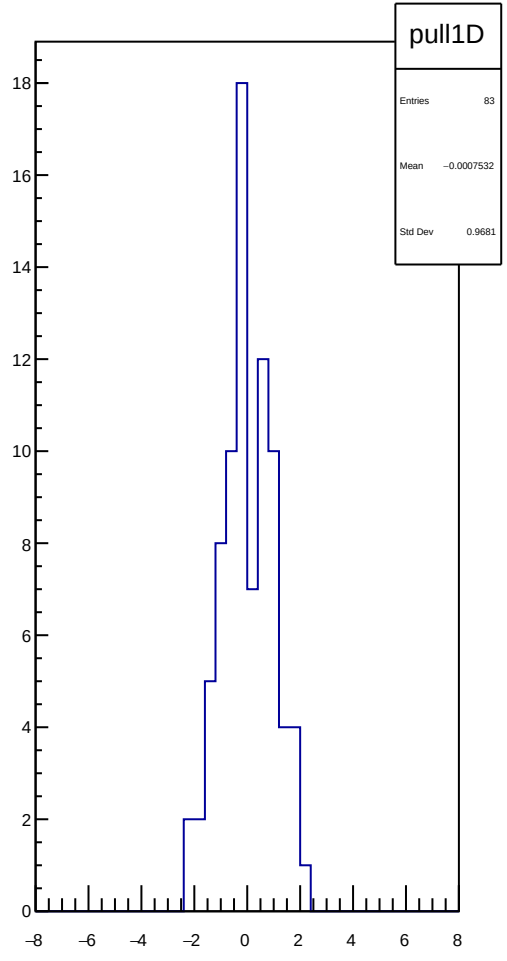

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 80.49 / 82
p0 2169 ± 1.726
2240
2220
2200
2180
2160
2140
2120

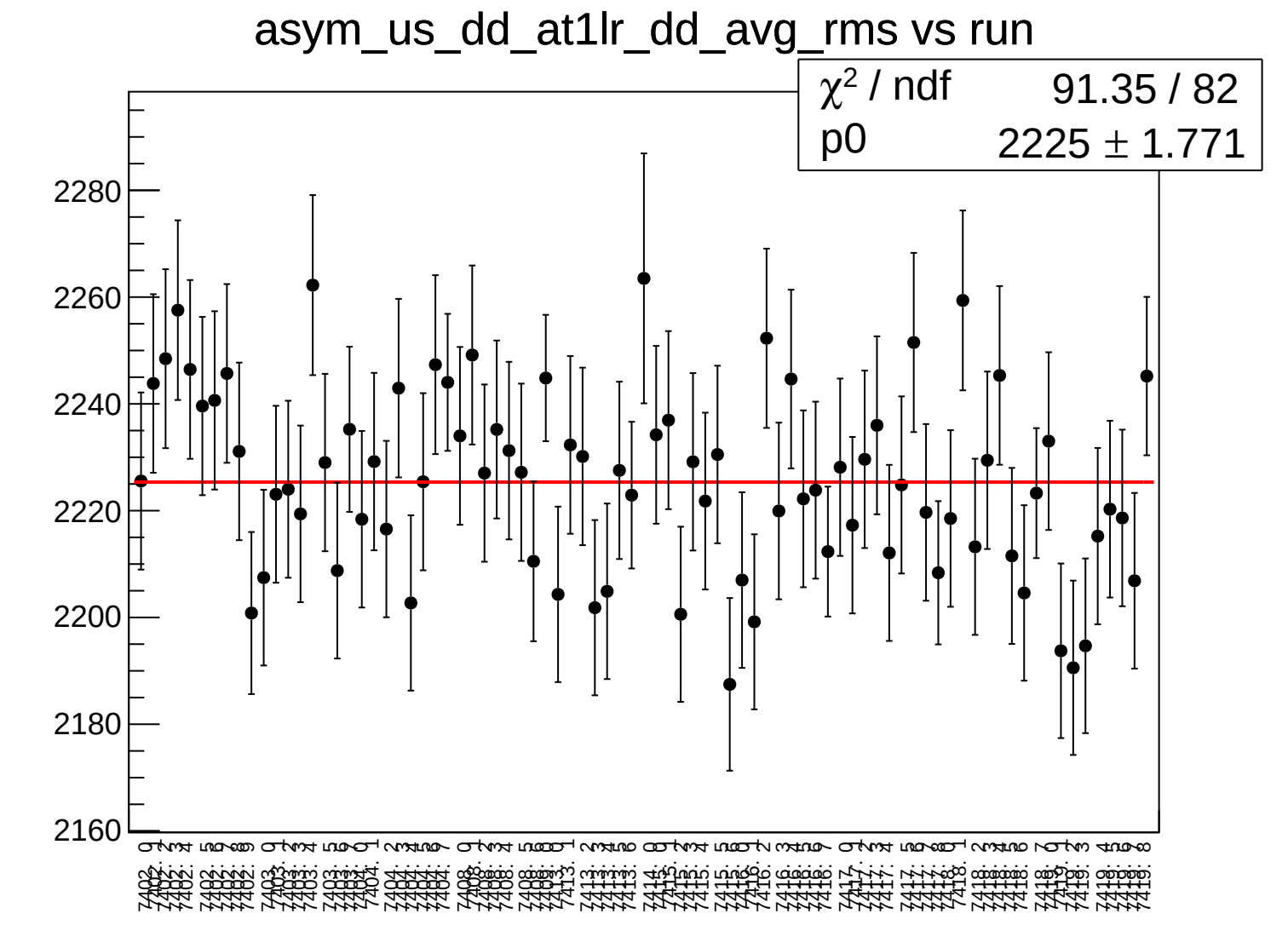

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.65 / 82
p0 −270.1± 607.4
pull
Entries 83
Mean −231.3
Std Dev 0

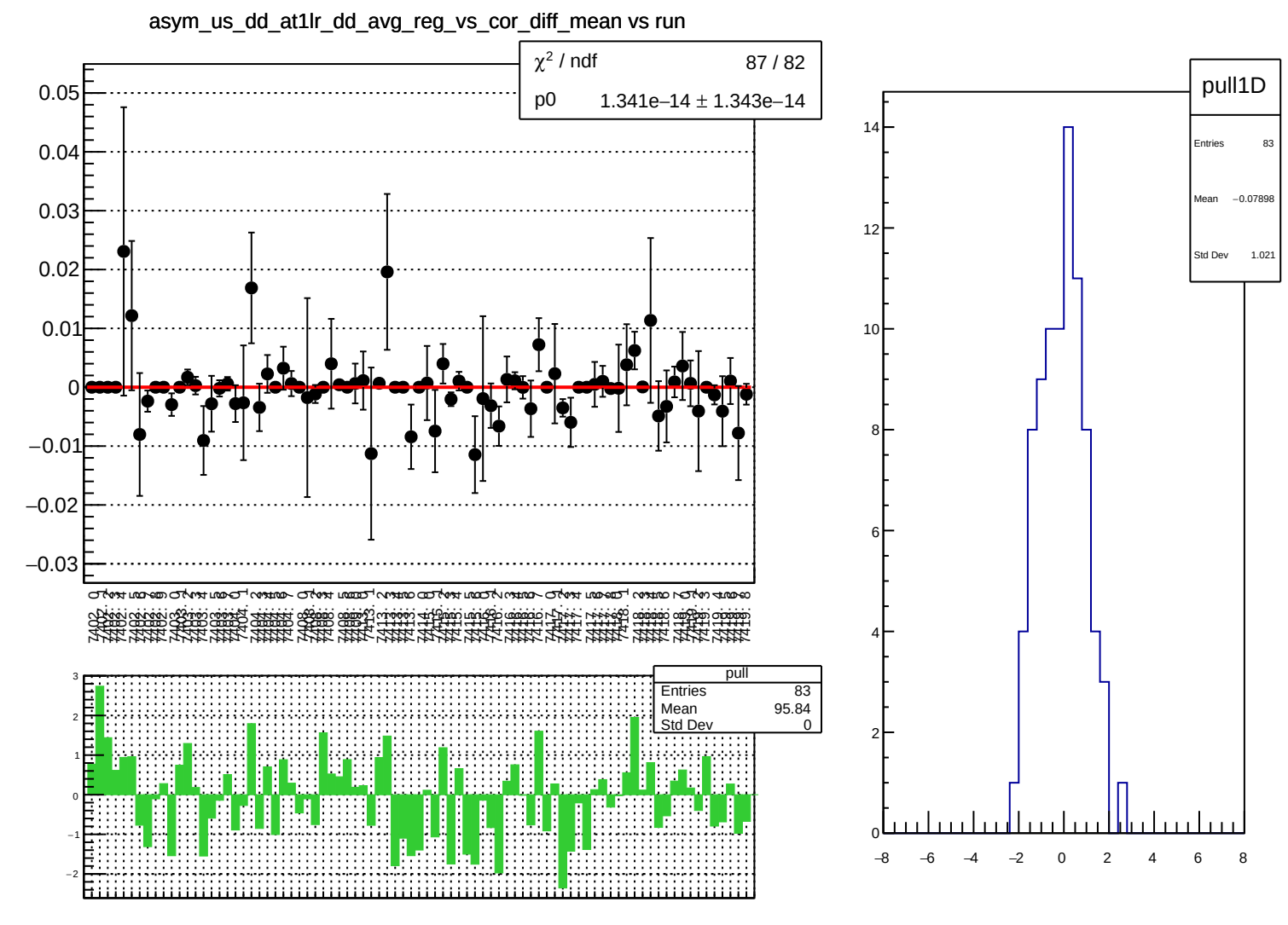

pull1D
Entries 83
Mean −0.00827
Std Dev 0.9734

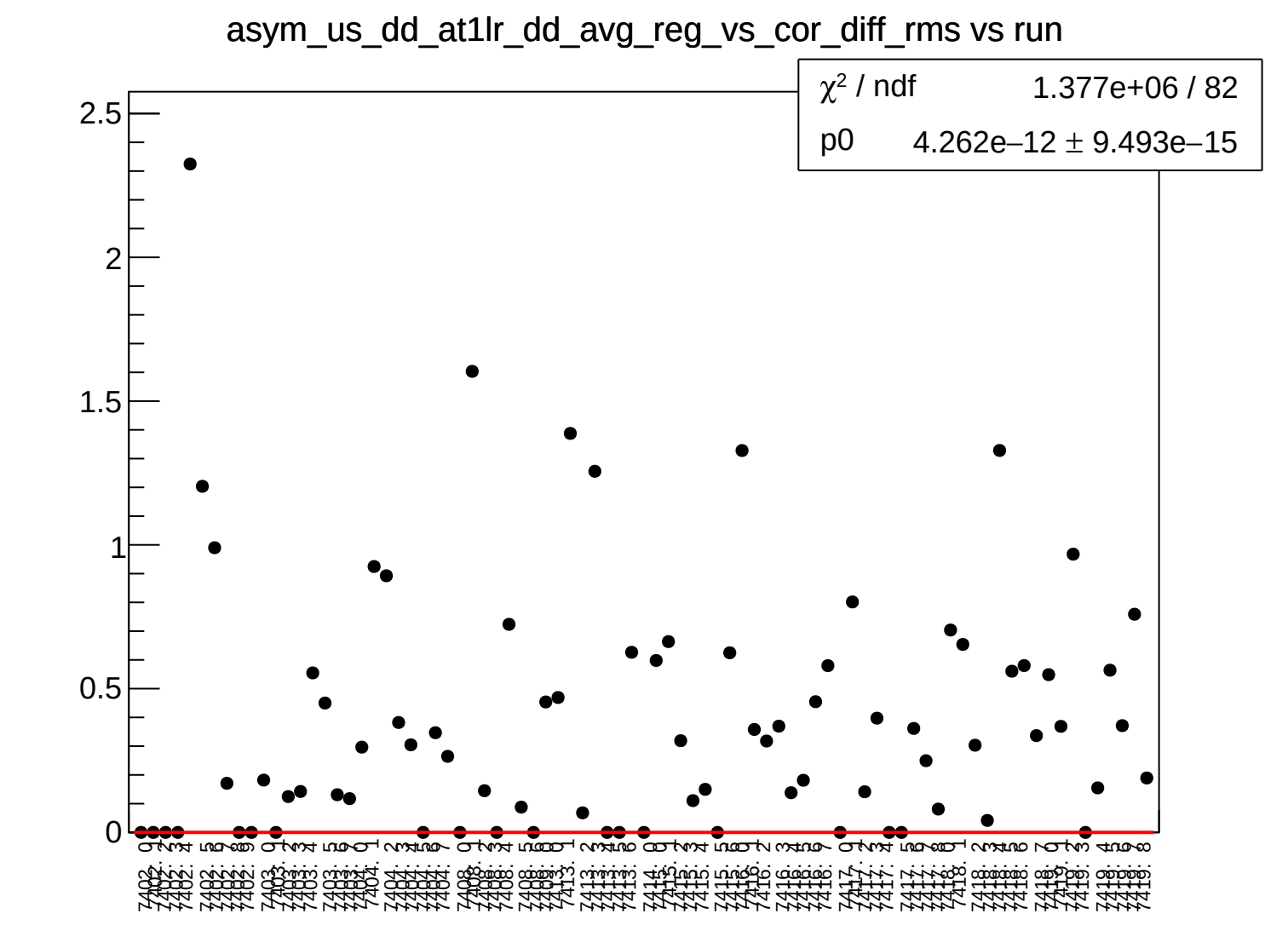

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3125 / 82
p0 539.1 ± 0.4295
660
640
620
600
580
560
540
520
500
480

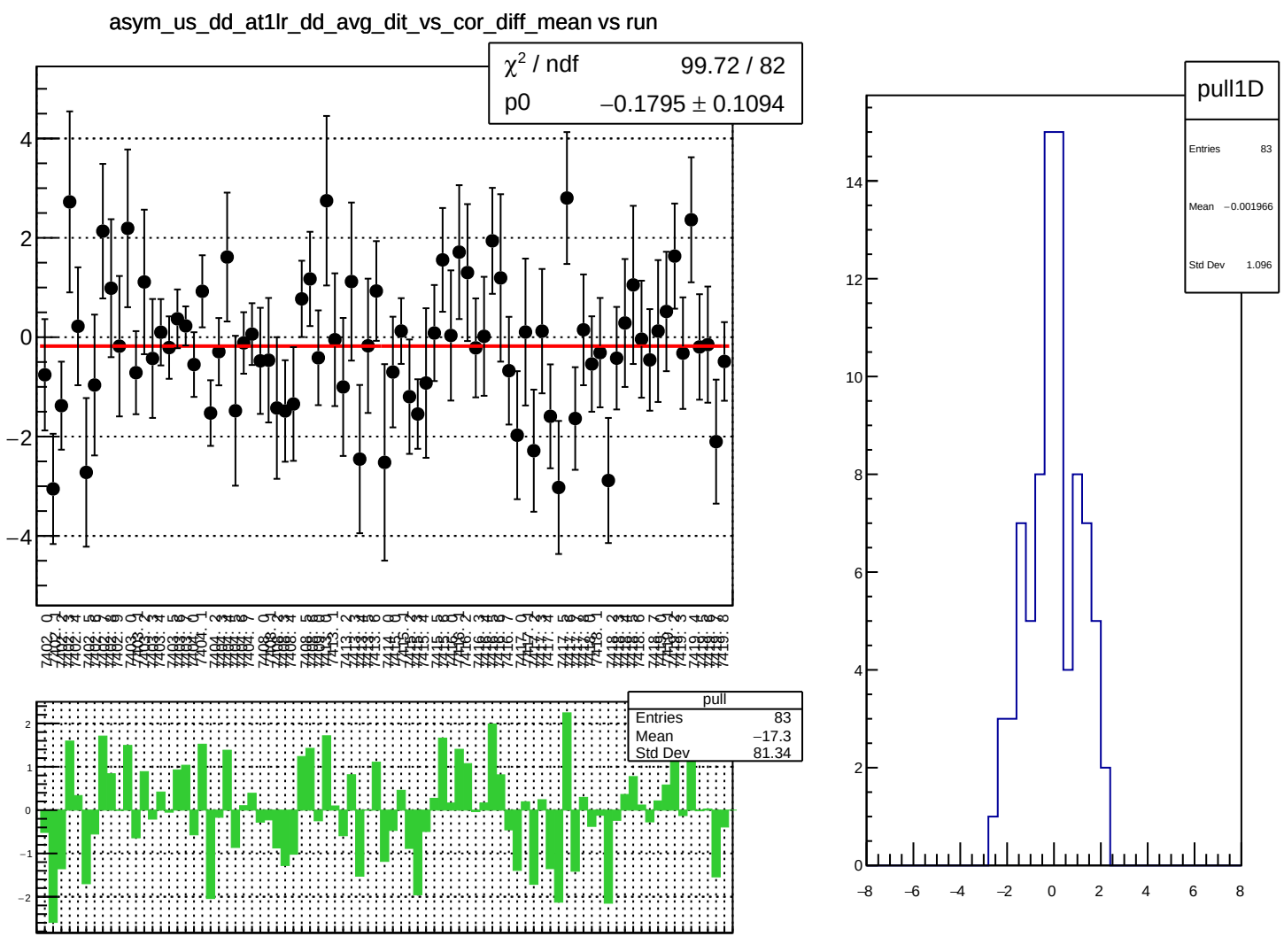

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 77.78 / 82
p0 −3701 ± 2505
pull
Entries 83
Mean 585
Std Dev 0

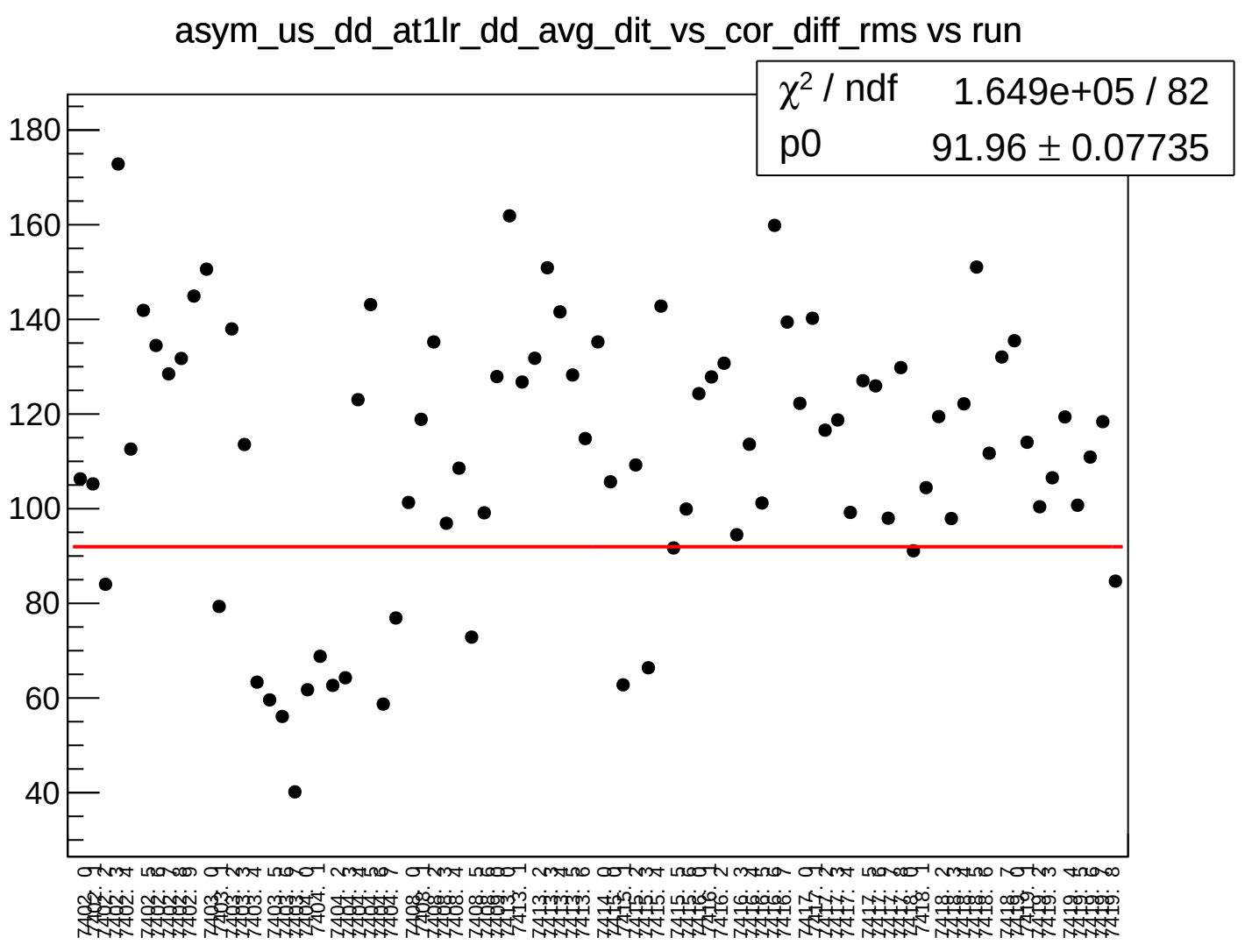

pull1D
Entries 83
Mean −0.0007532
Std Dev 0.9681

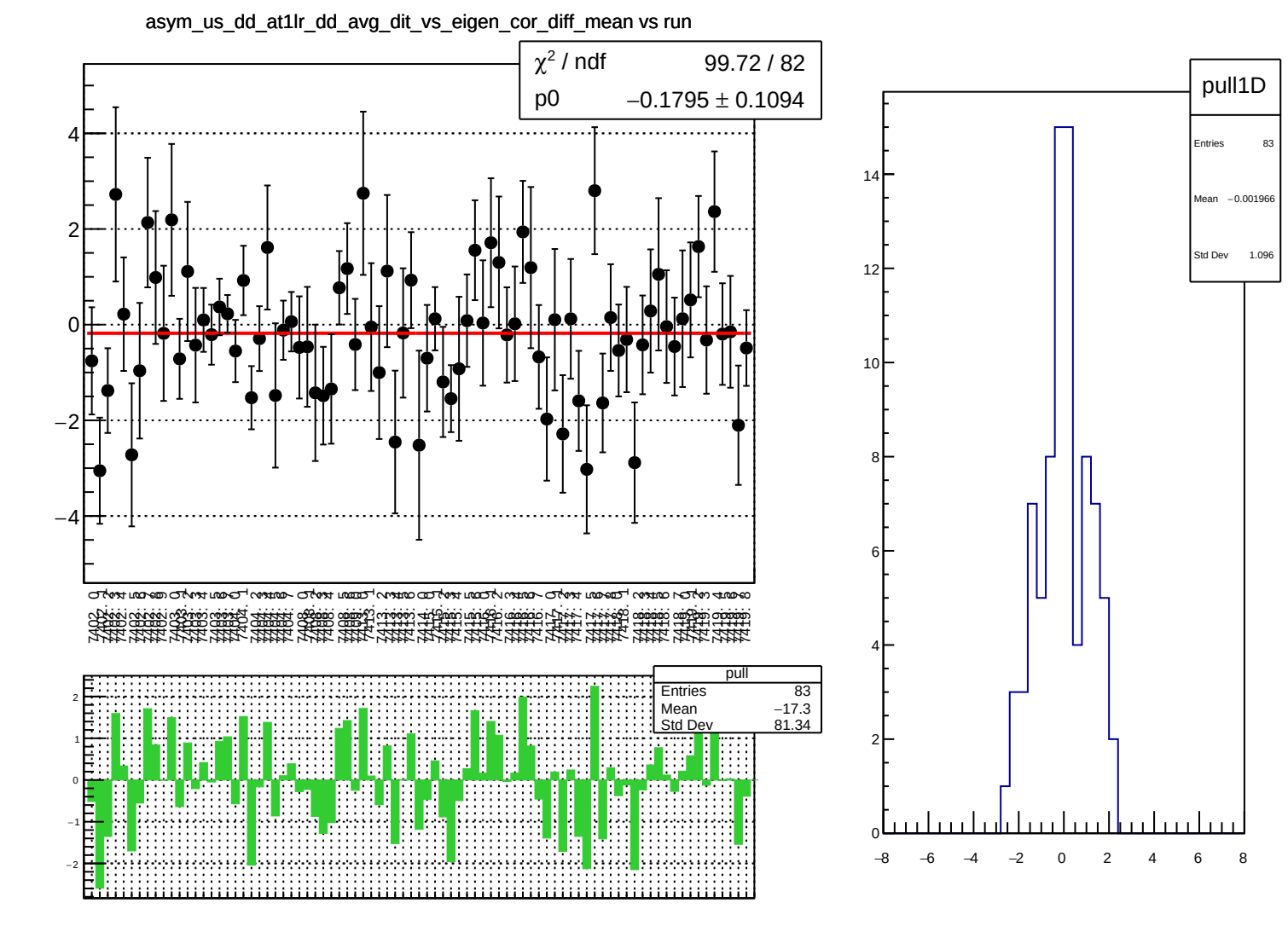

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 91.35 / 82
p0 2225 ± 1.771
2280
2260
2240
2220
2200
2180
2160

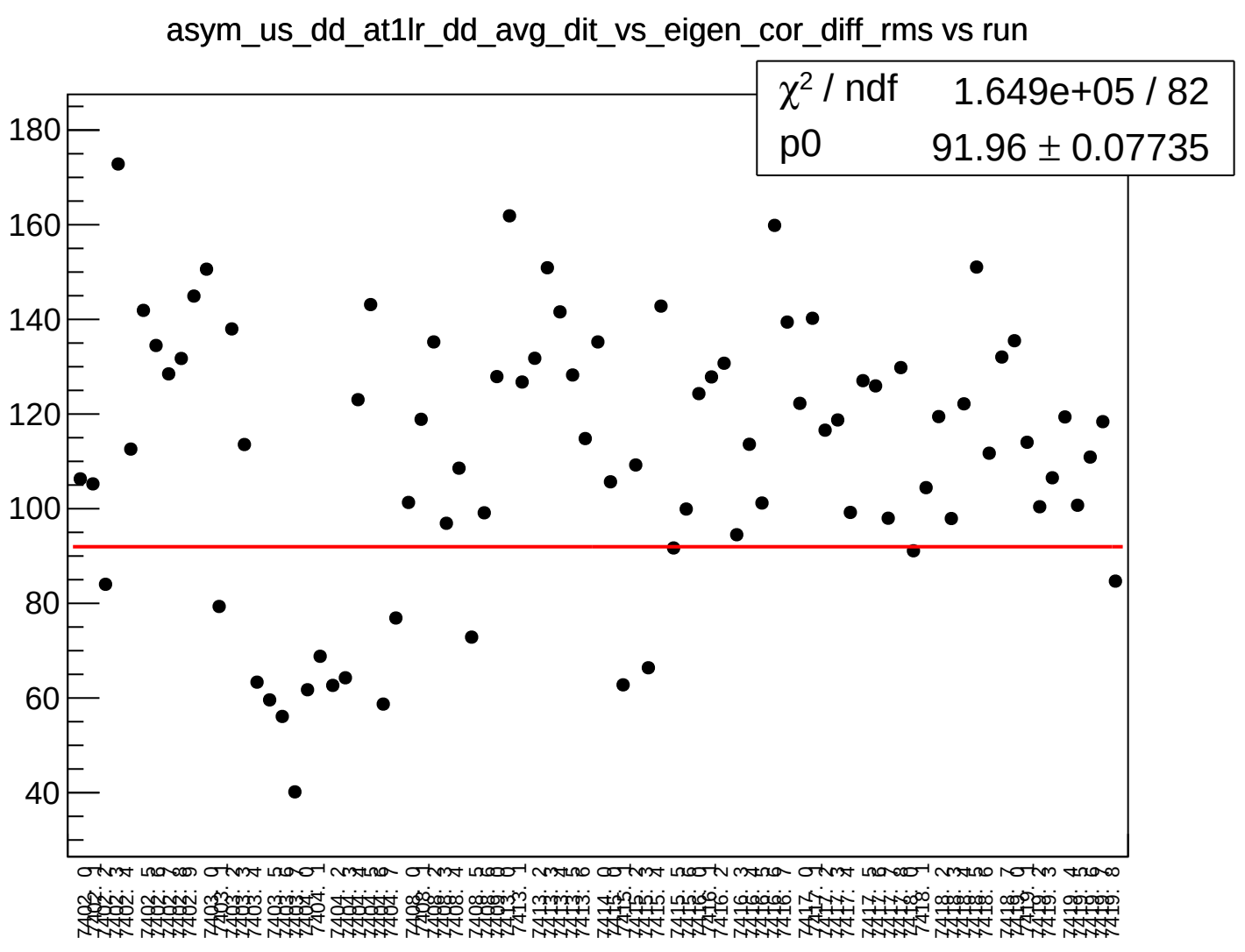

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87 / 82
p0 1.341e−14 ± 1.343e−14
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 83
Mean 95.84
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.07898
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

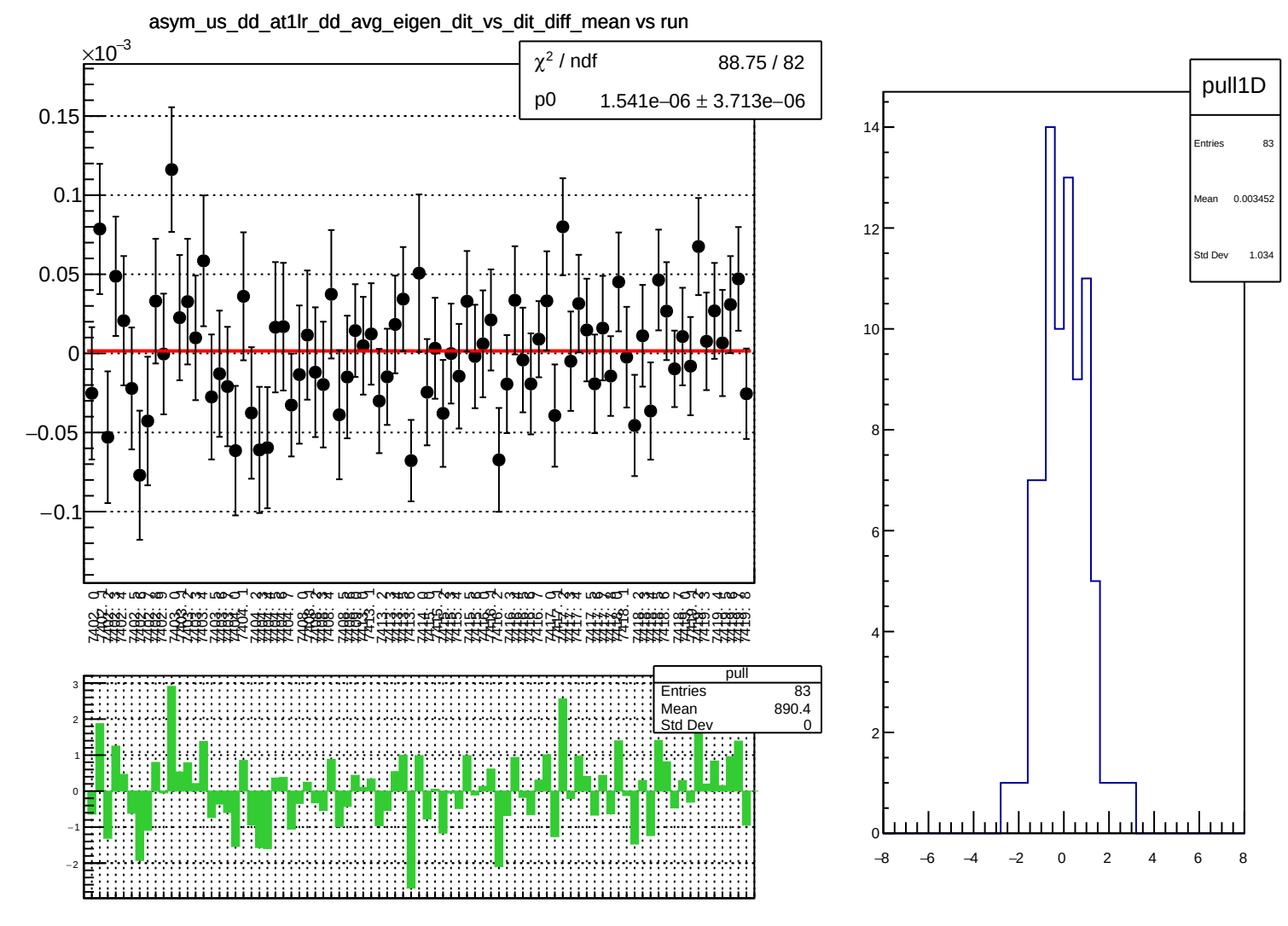

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.377e+06 / 82
p0 4.262e−12 ± 9.493e−15
2.5
2
1.5
1
0.5
0

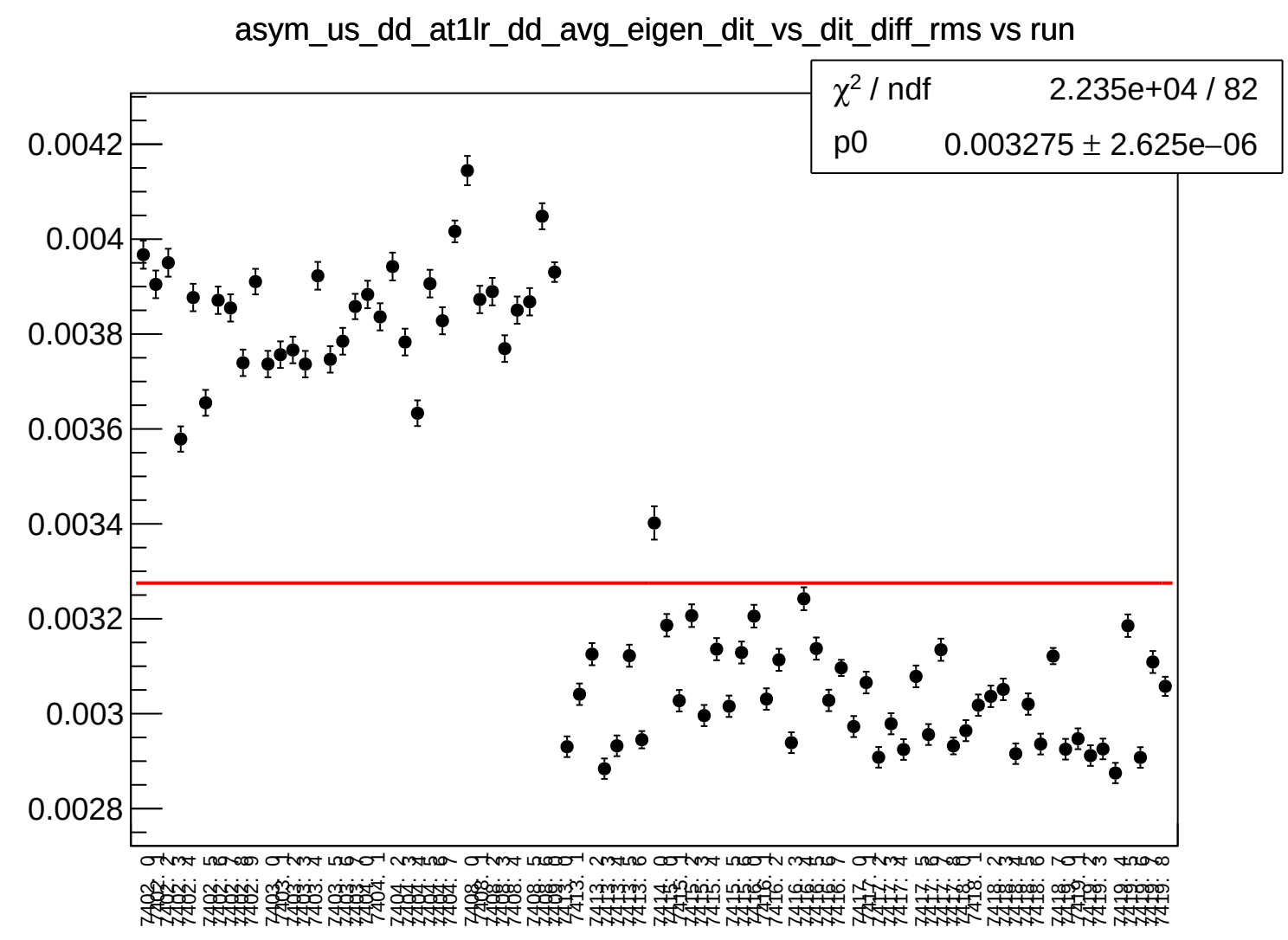

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 99.72 / 82
p0 −0.1795 ± 0.1094
pull
Entries 83
Mean −17.3
Std Dev 81.34
pull1D
Entries 83
Mean −0.001966
Std Dev 1.096

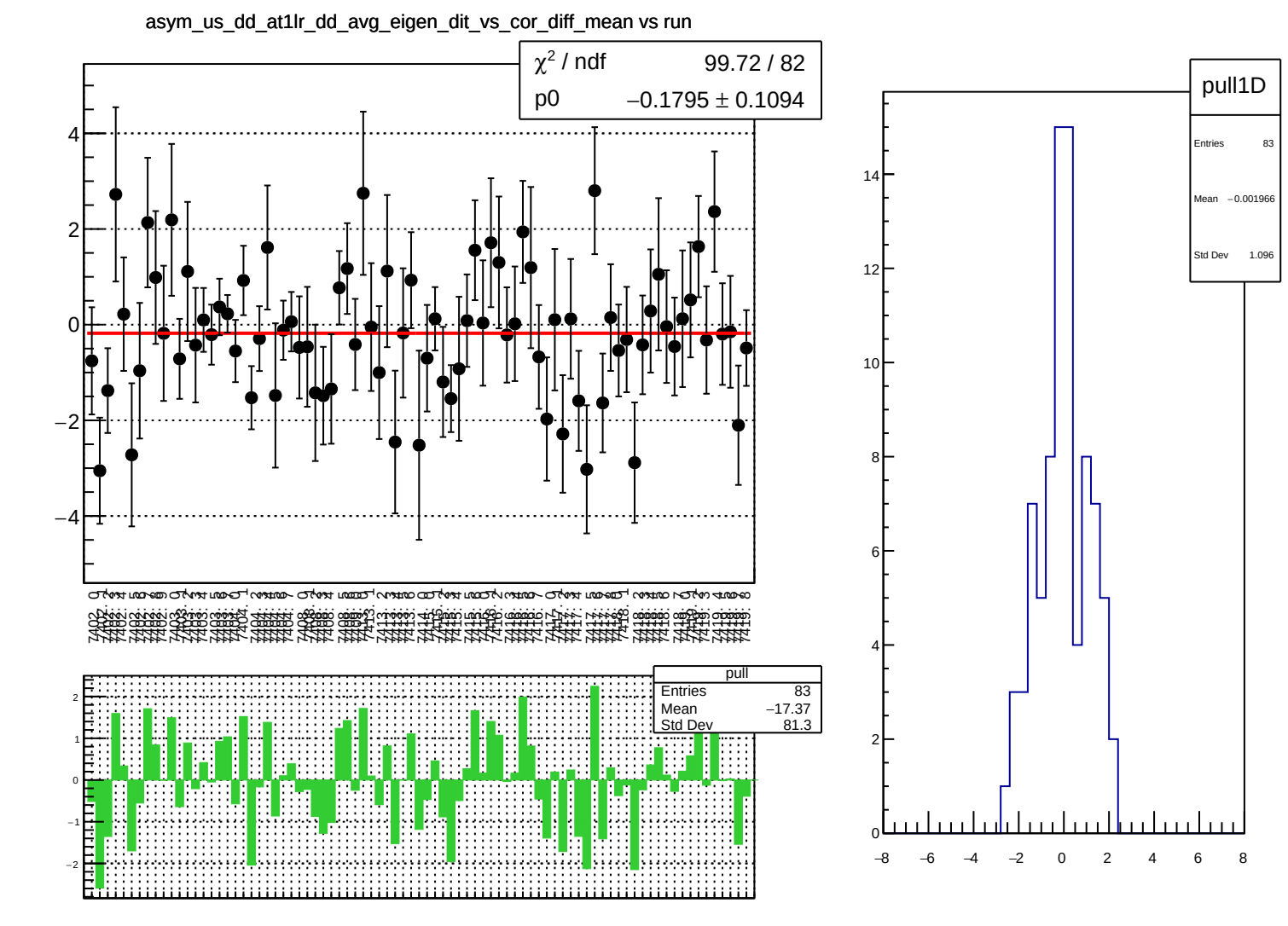

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.649e+05 / 82
p0 91.96 ± 0.07735
180
160
140
120
100
80
60
40

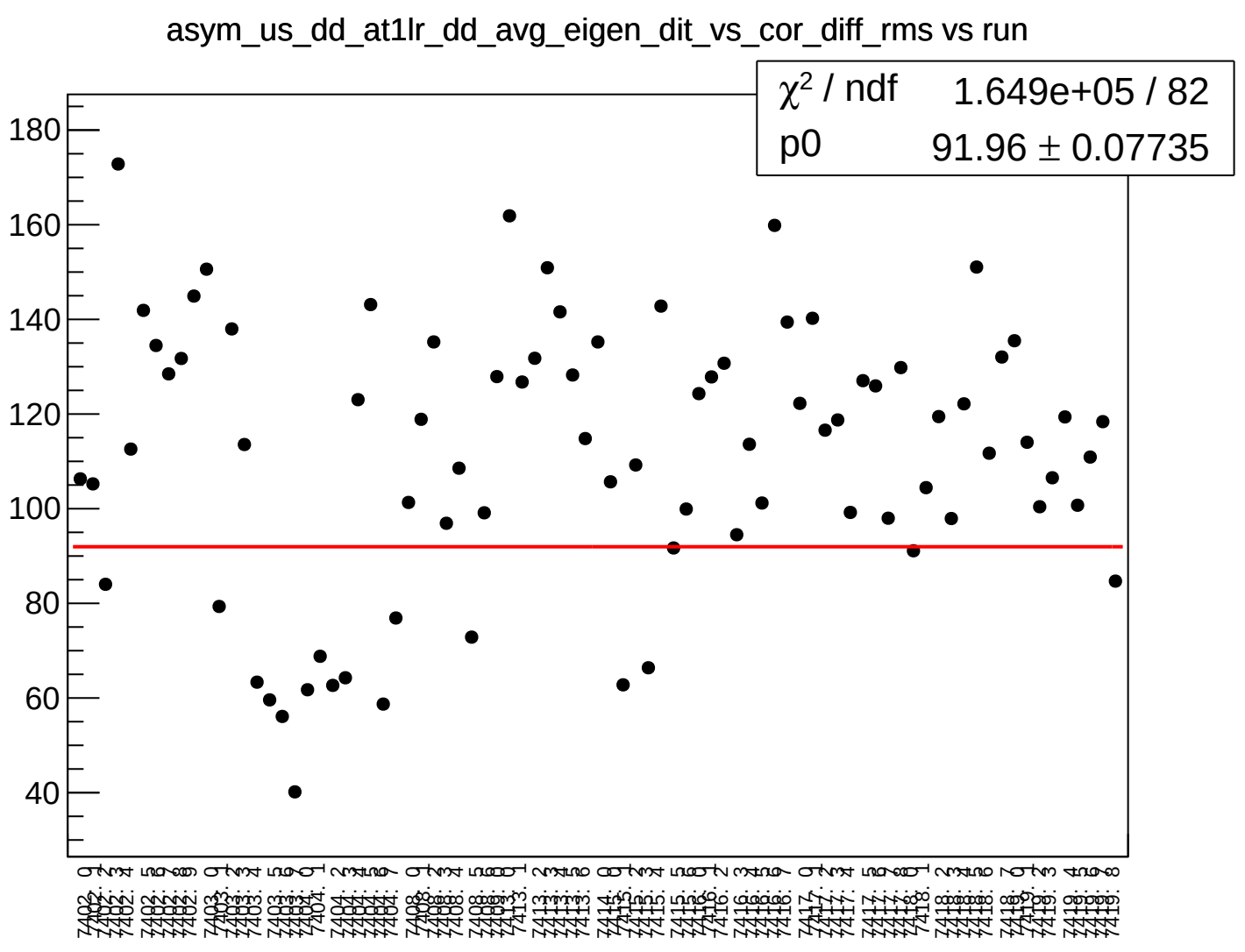

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.72 / 82
p0 −0.1795 ± 0.1094
pull
Entries 83
Mean −17.3
Std Dev 81.34
pull1D
Entries 83
Mean −0.001966
Std Dev 1.096

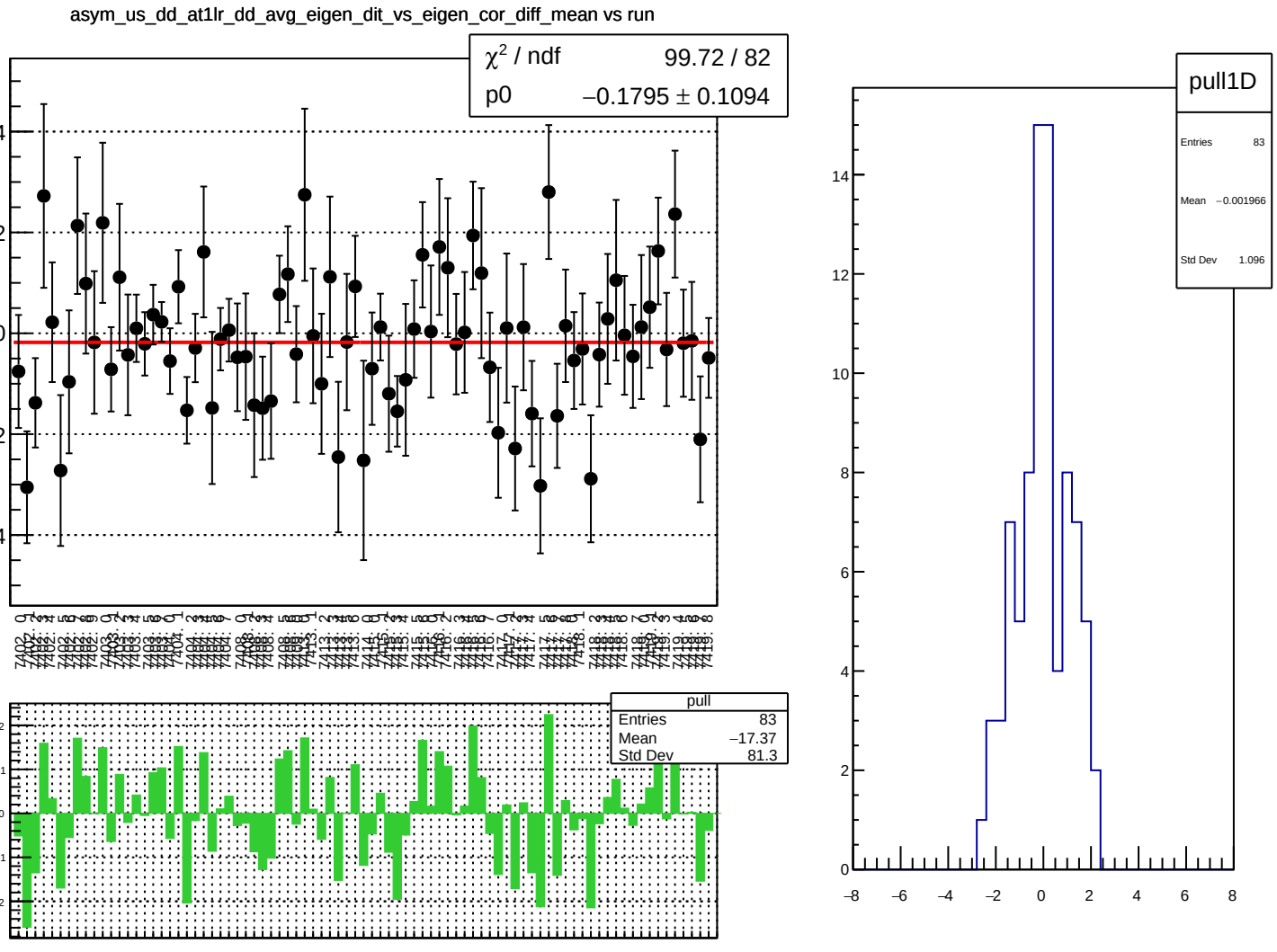

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.649e+05 / 82
p0 91.96 ± 0.07735
180
160
140
120
100
80
60
40

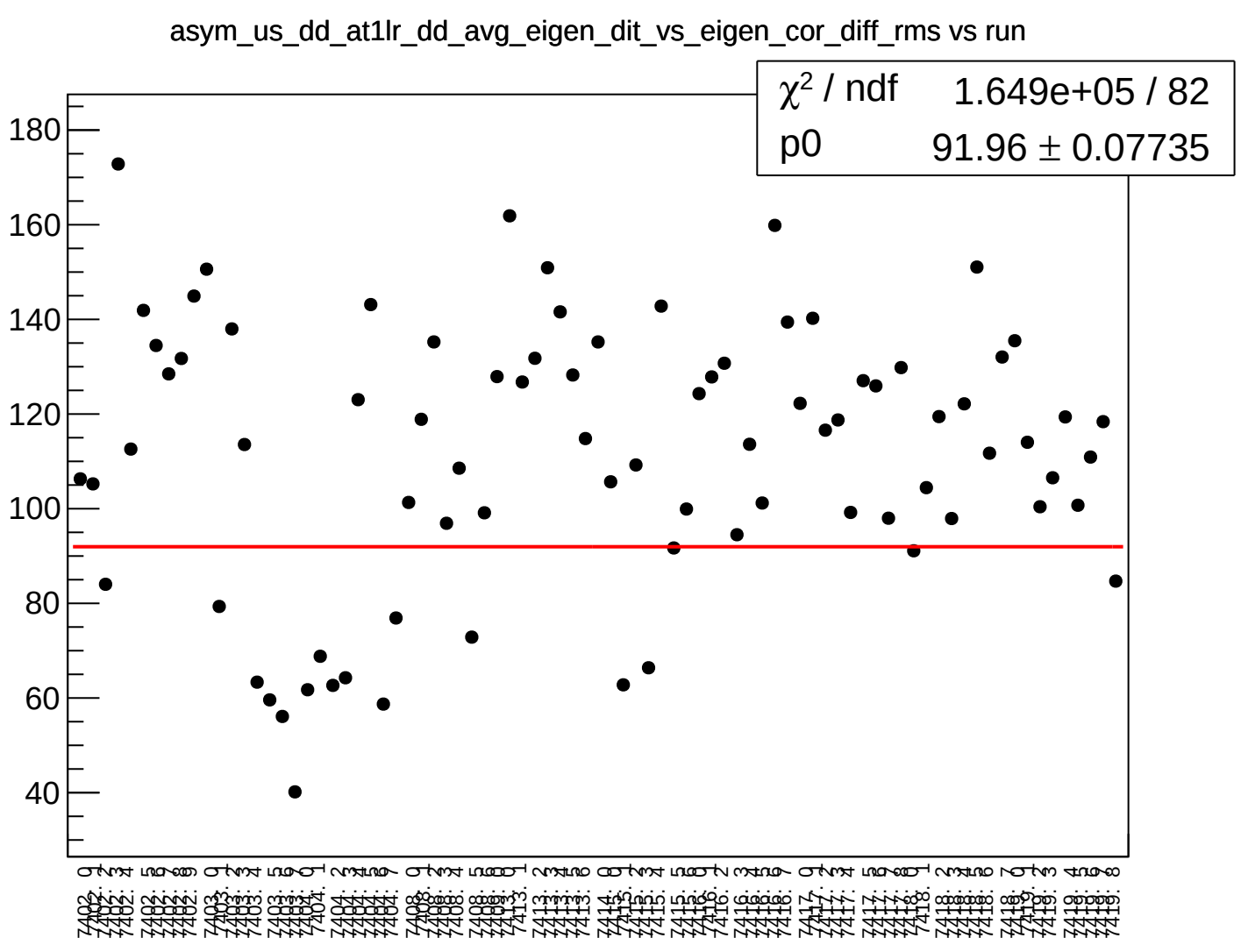

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.75 / 82
p0 1.541e−06 ± 3.713e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 890.4
Std Dev 0
pull1D
Entries 83
Mean 0.003452
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

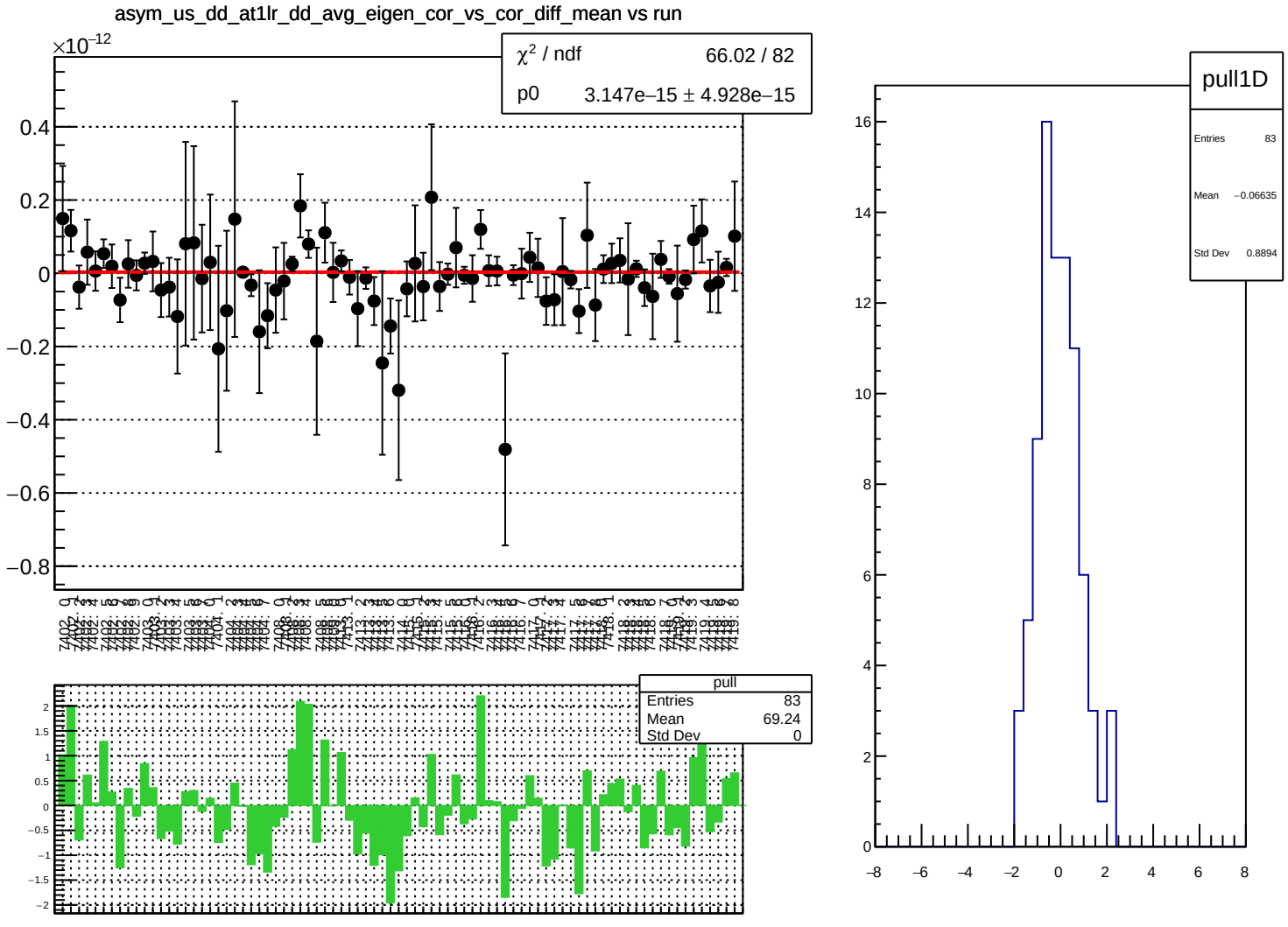

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.235e+04 / 82
p0 0.003275 ± 2.625e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

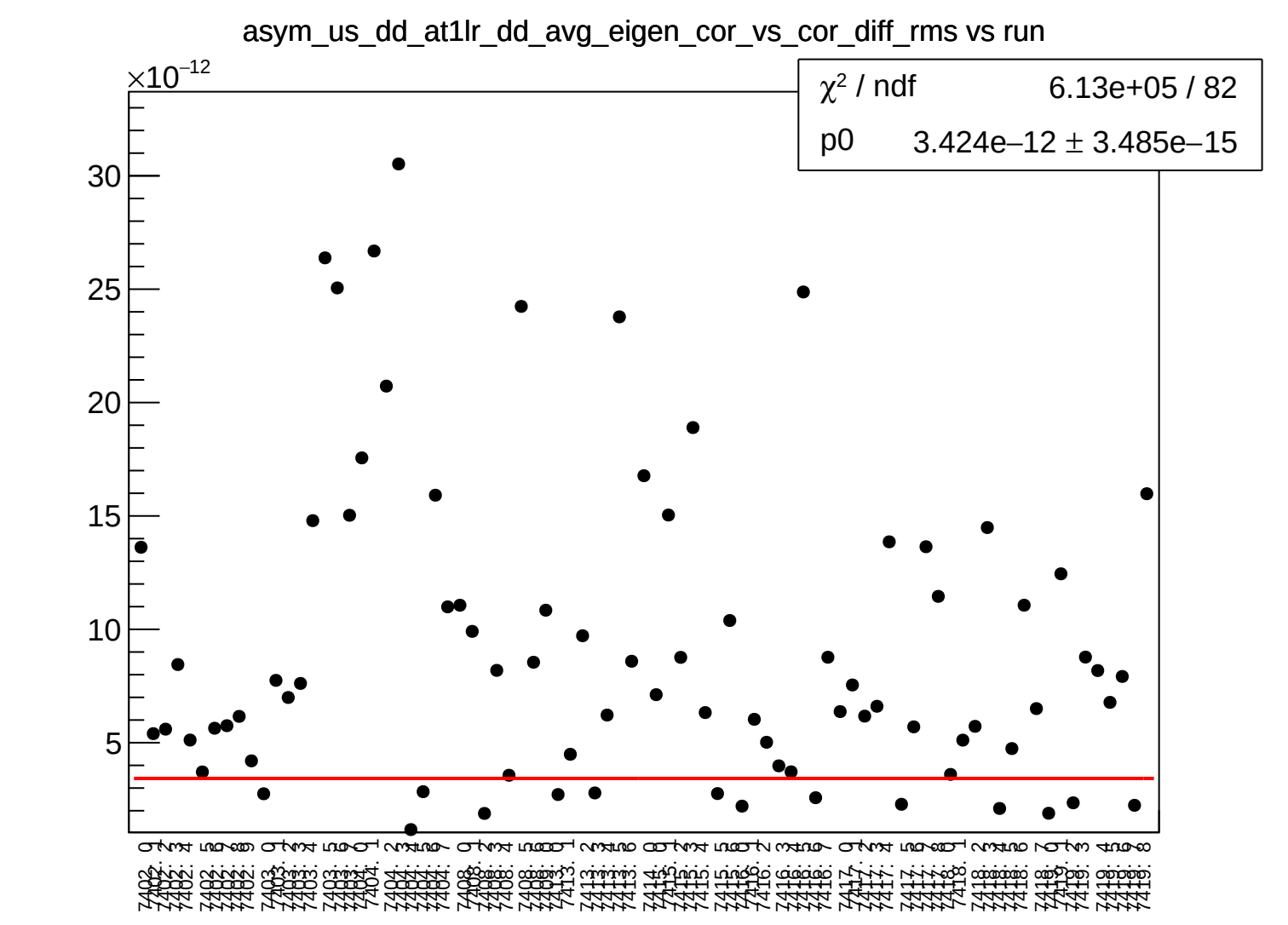

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 99.72 / 82
p0 −0.1795 ± 0.1094
pull
Entries 83
Mean −17.37
Std Dev 81.3
pull1D
Entries 83
Mean −0.001966
Std Dev 1.096

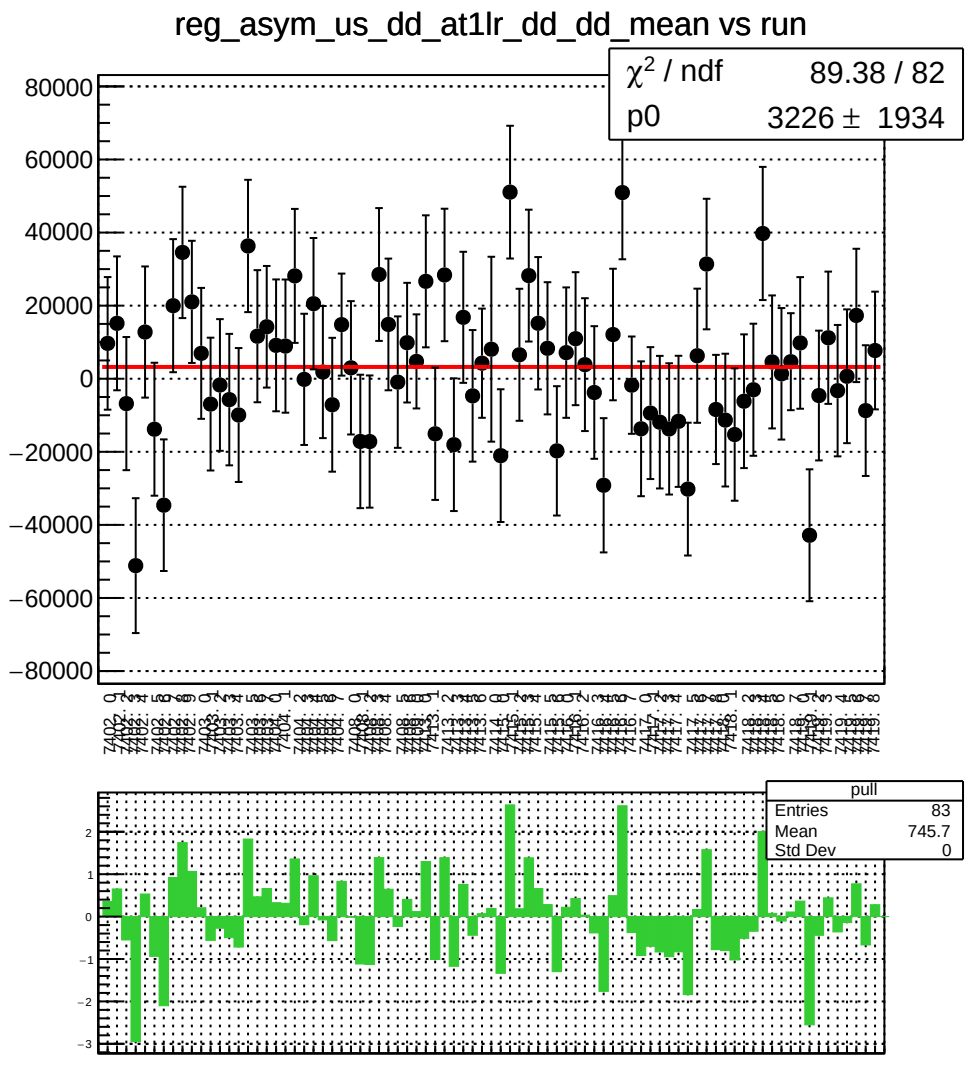

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.649e+05 / 82
p0 91.96 ± 0.07735
180
160
140
120
100
80
60
40

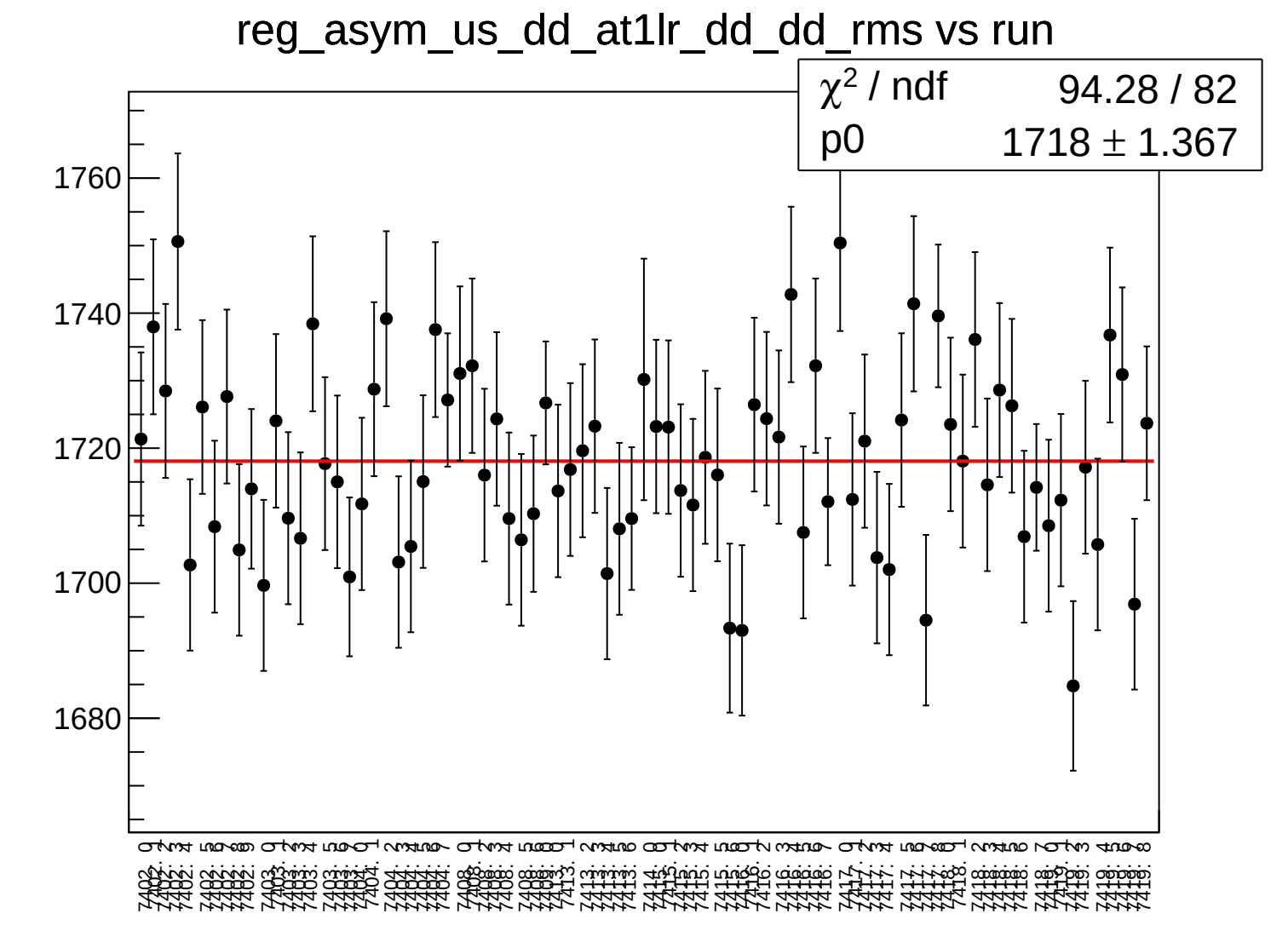

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 99.72 / 82
p0 −0.1795 ± 0.1094
pull
Entries 83
Mean −17.37
Std Dev 81.3
pull1D
Entries 83
Mean −0.001966
Std Dev 1.096

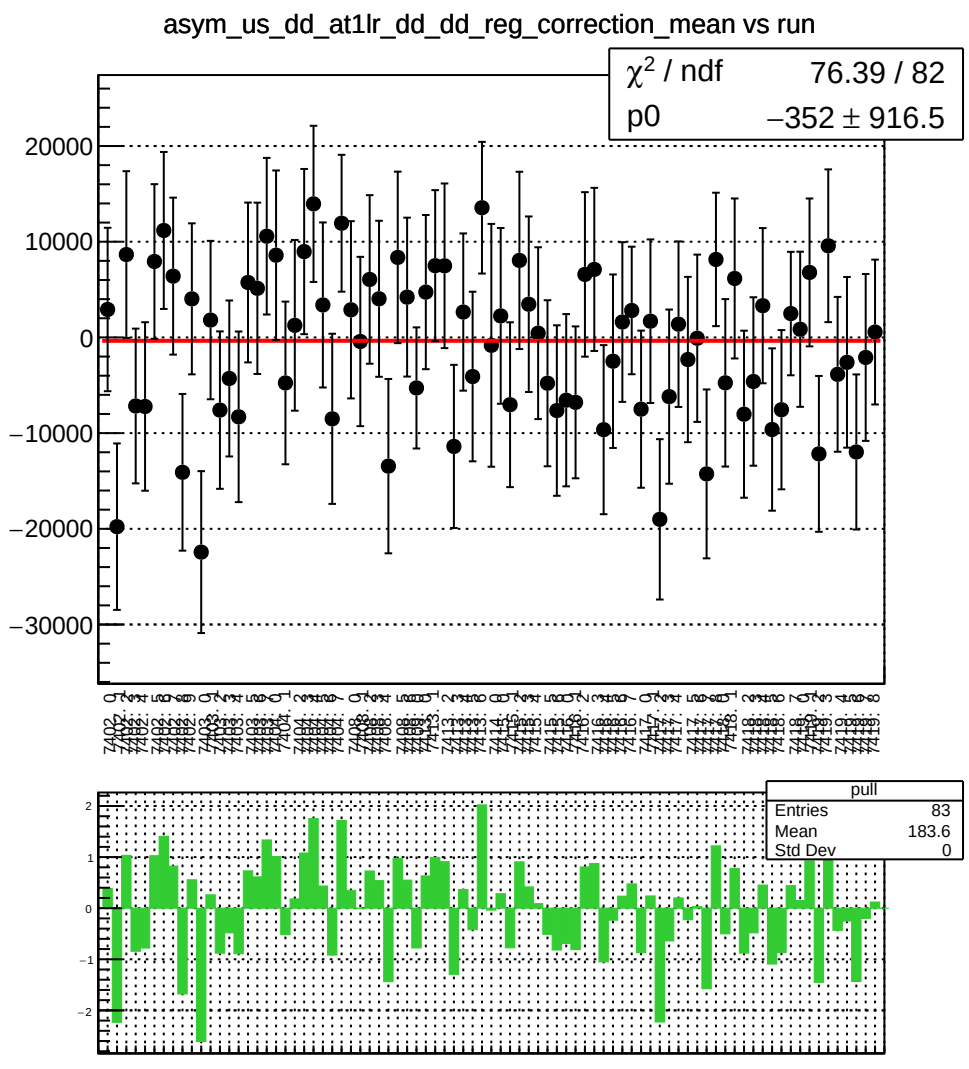

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.649e+05 / 82
p0 91.96 ± 0.07735
180
160
140
120
100
80
60
40

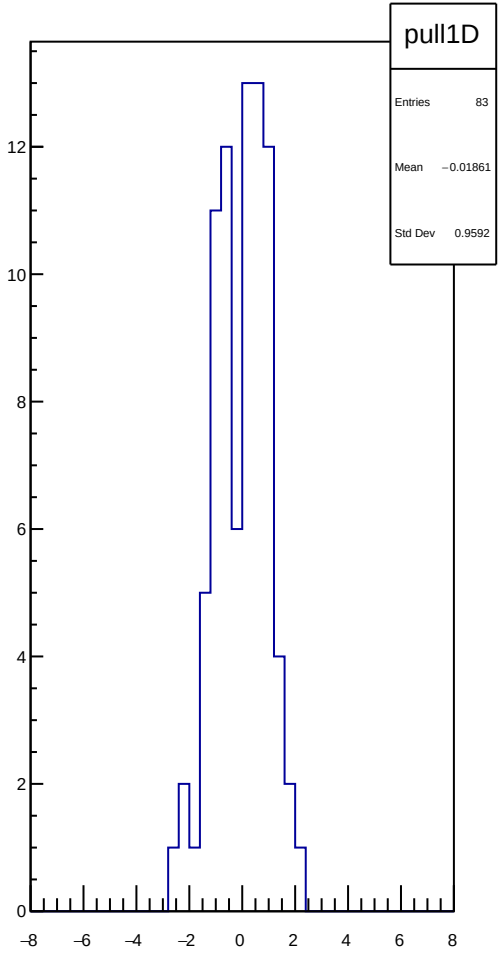

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.02 / 82
p0 3.147e−15 ± 4.928e−15
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 83
Mean 69.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.06635
Std Dev 0.8894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

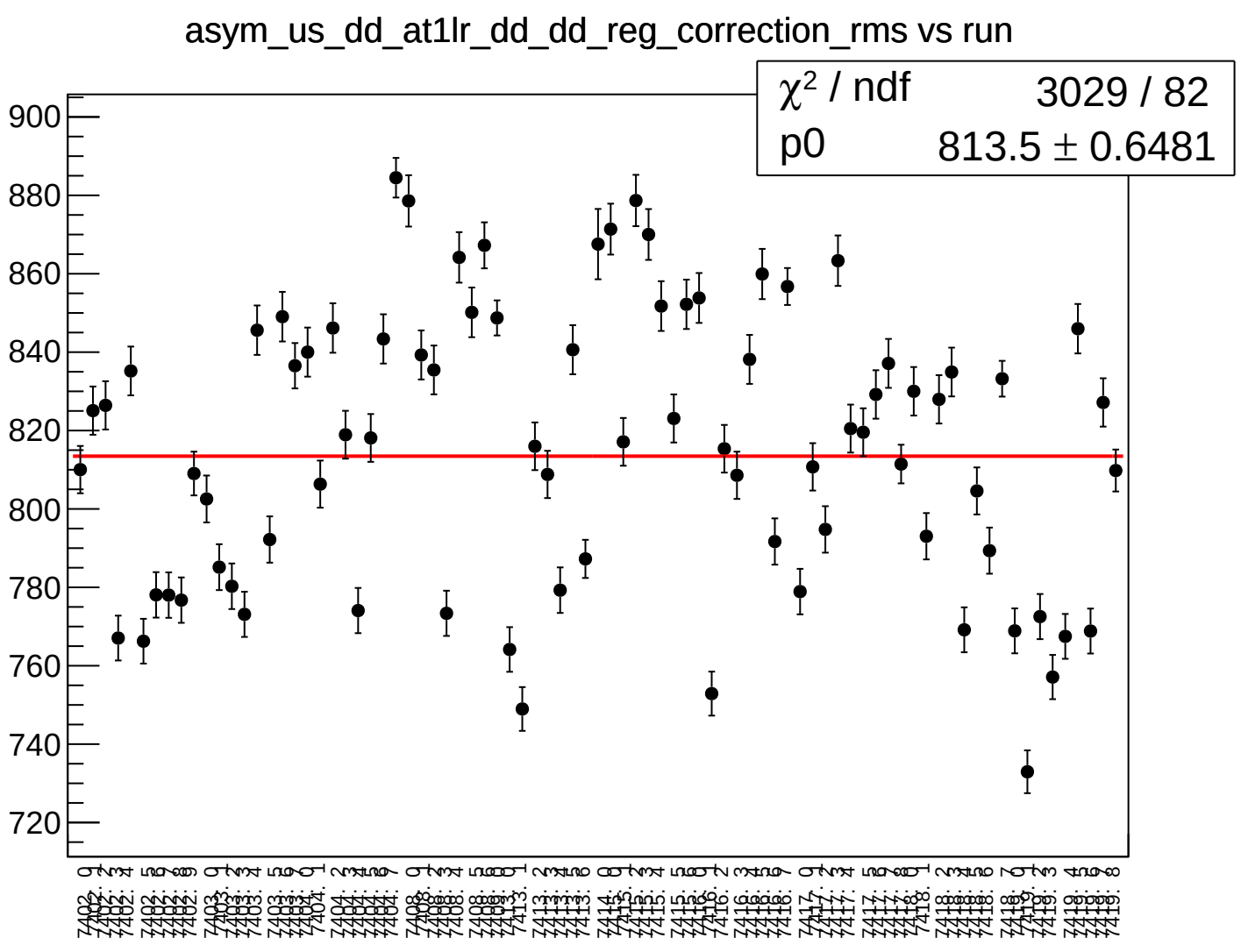

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.13e+05 / 82
p0 3.424e−12 ± 3.485e−15
30
25
20
15
10
5

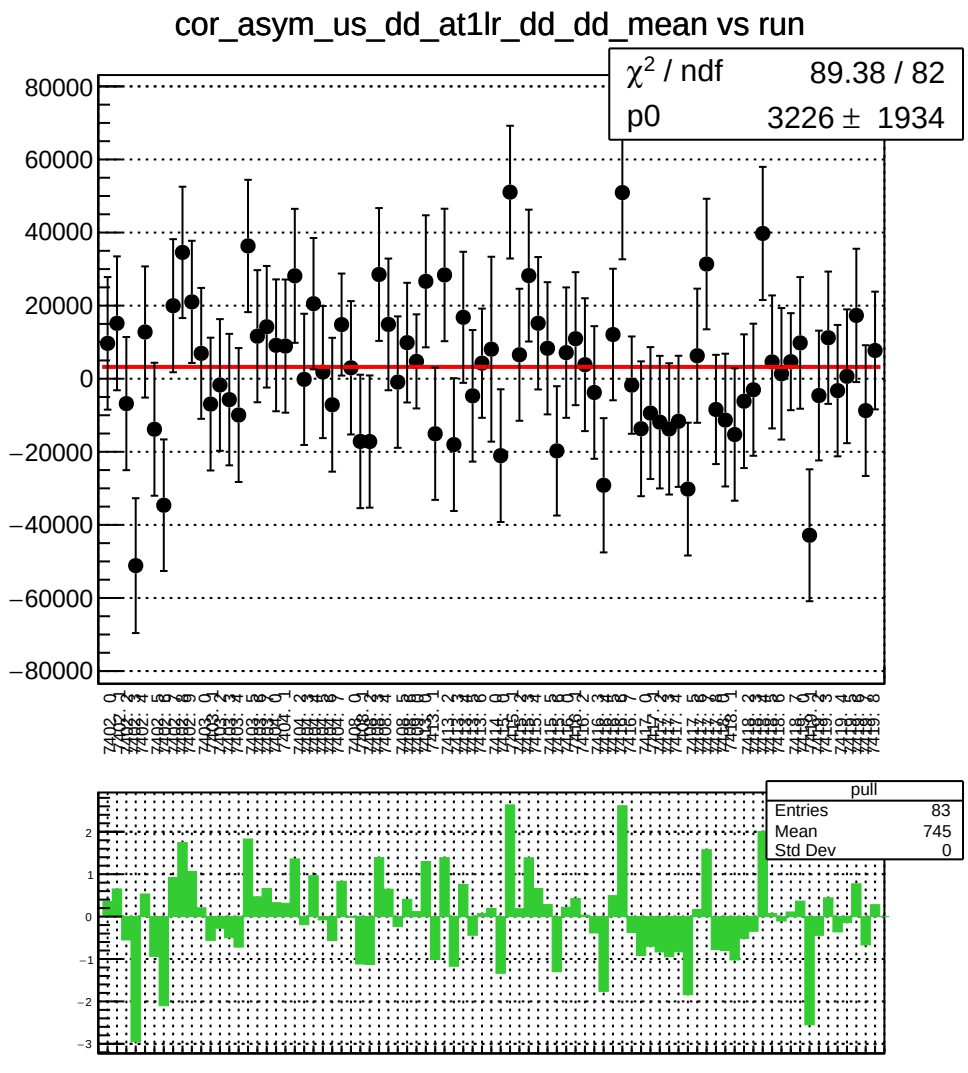

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 89.38 / 82
p0 3226 ± 1934
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 745.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.003169
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

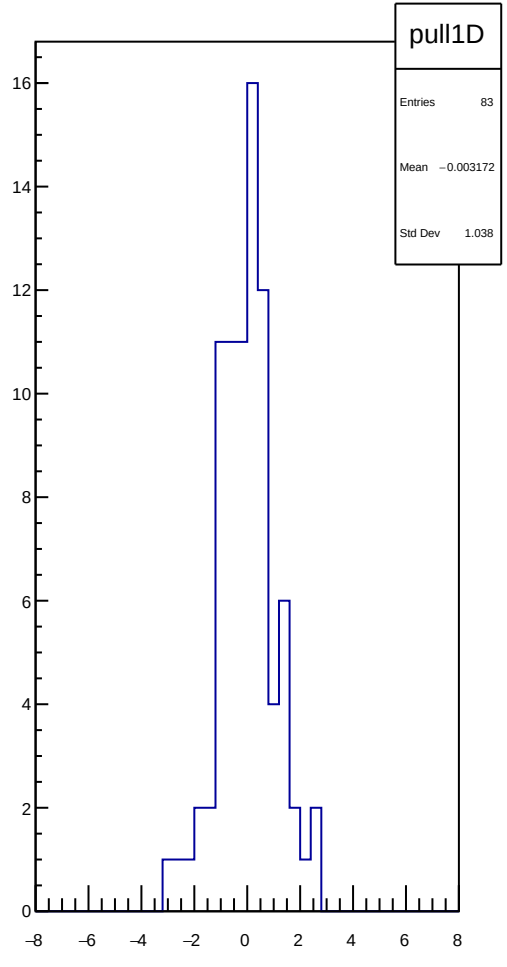

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 94.28 / 82
p0 1718 ± 1.367
1760
1740
1720
1700
1680

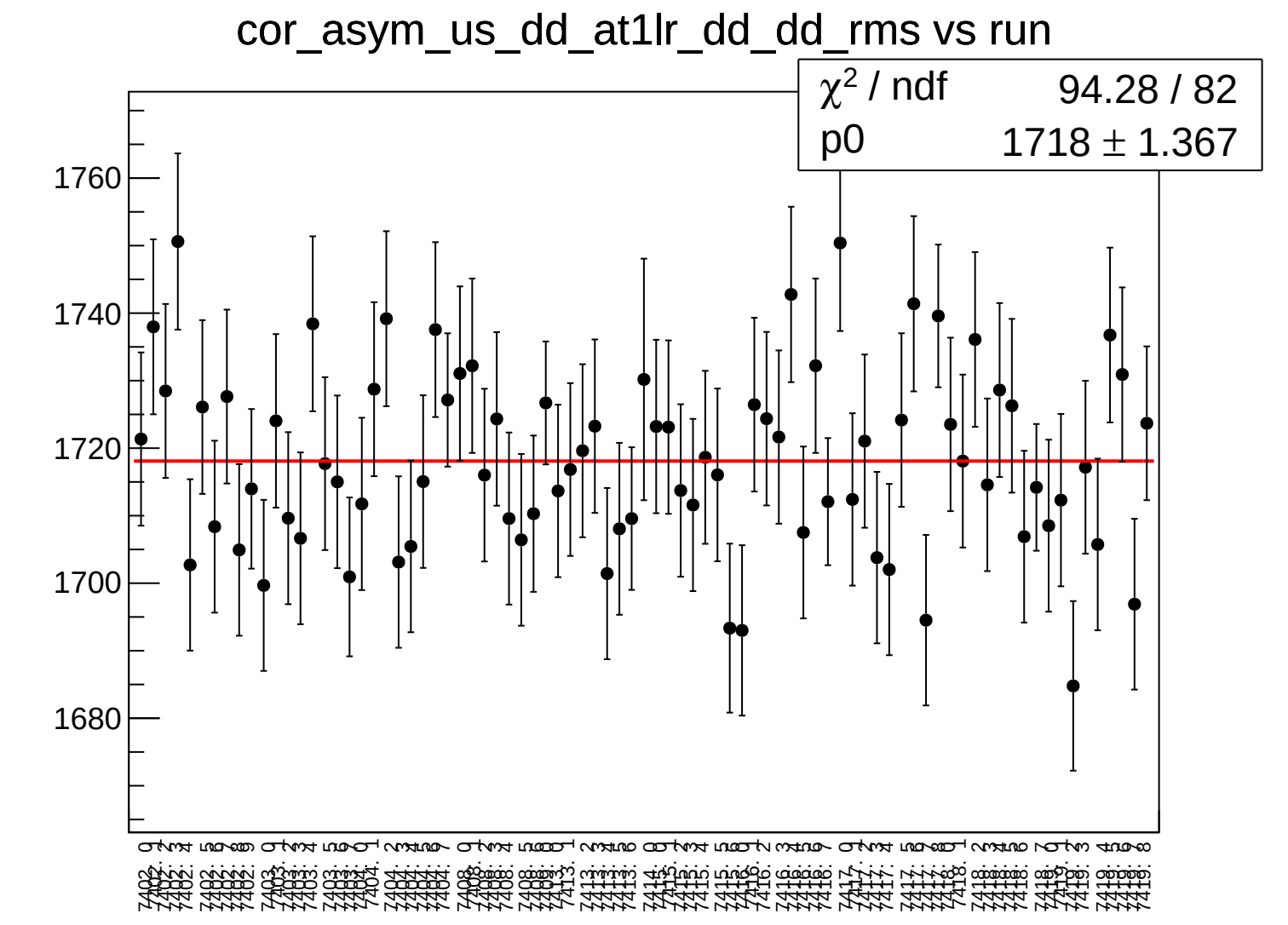

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 76.39 / 82
p0 −352 ± 916.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 183.6
Std Dev 0
2
1
0
−1
−2

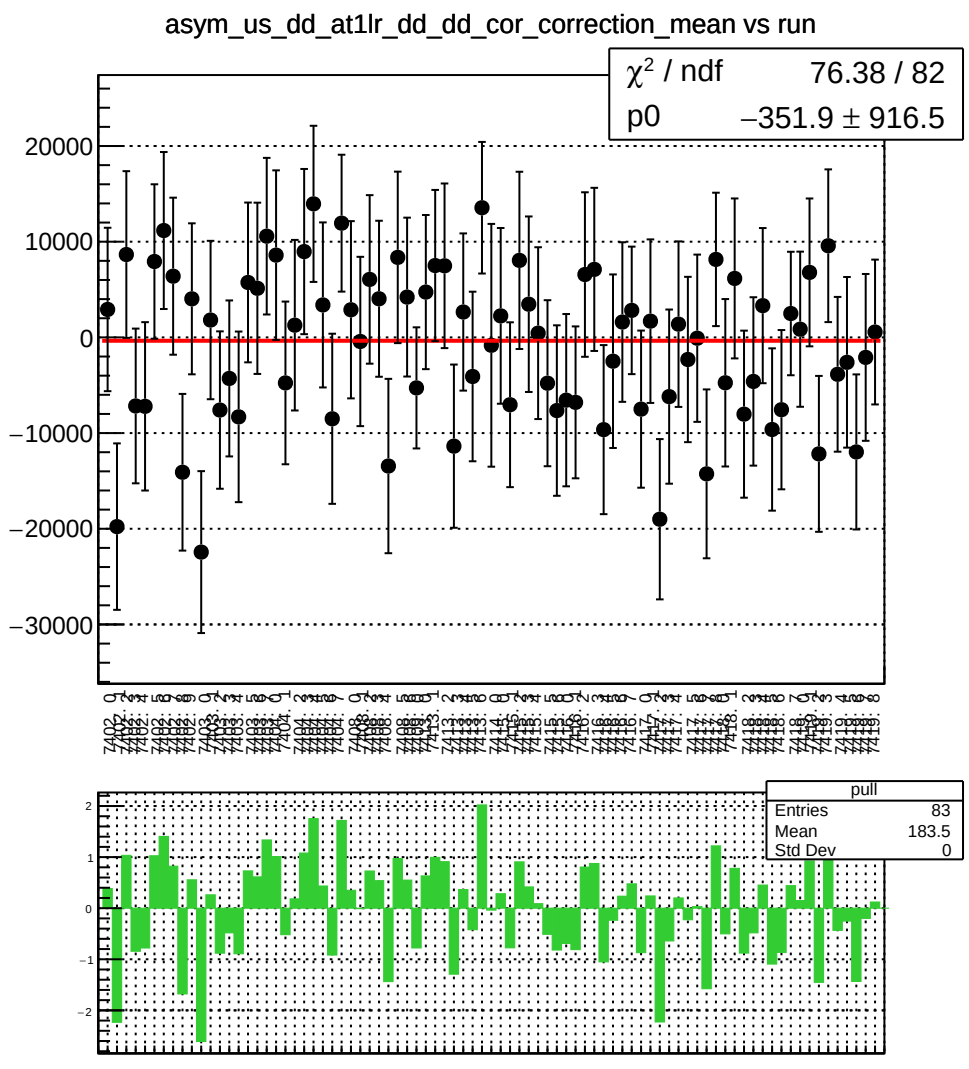

pull1D
Entries 83
Mean −0.01861
Std Dev 0.9592
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

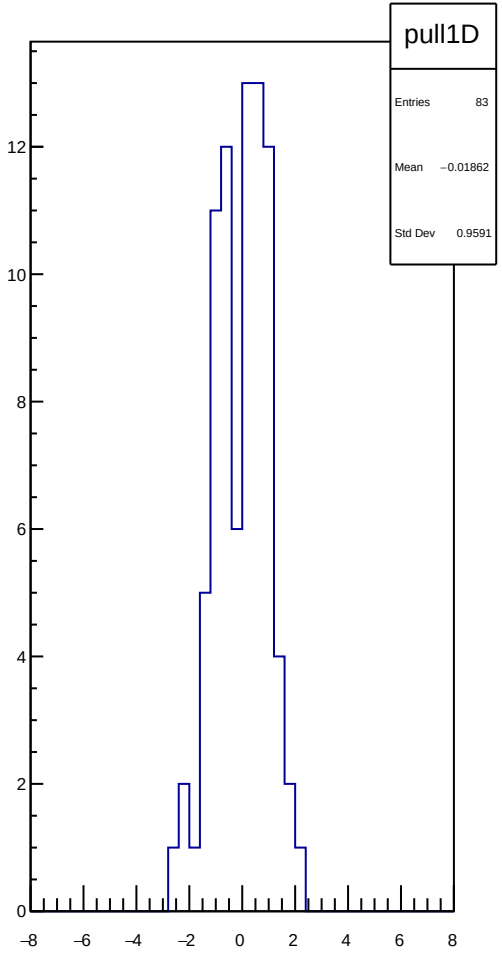

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3029 / 82
p0 813.5 ± 0.6481
900
880
860
840
820
800
780
760
740
720

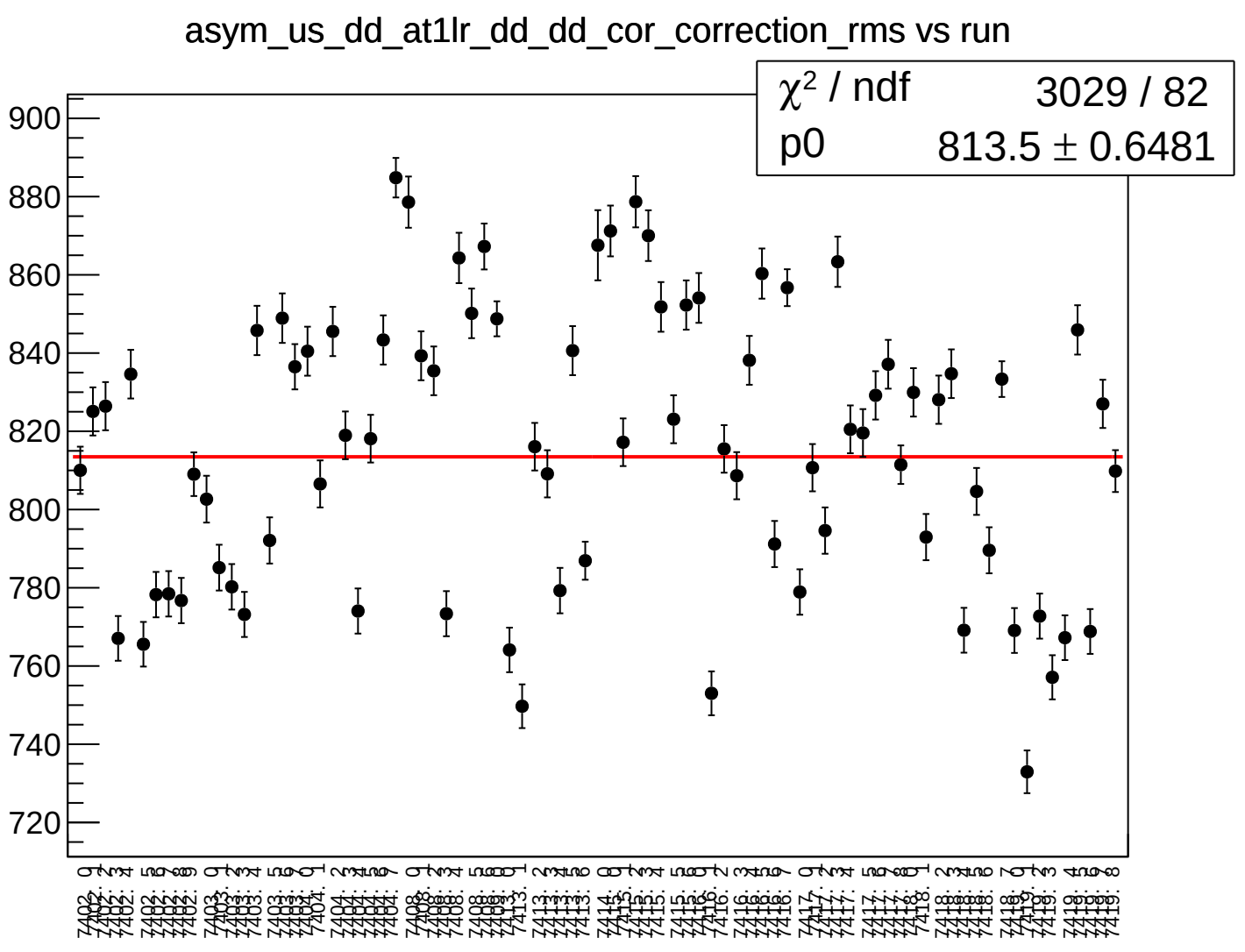

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 89.38 / 82
p0 3226 ± 1934
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 745
Std Dev 0
2
1
0
−1
−2
−3

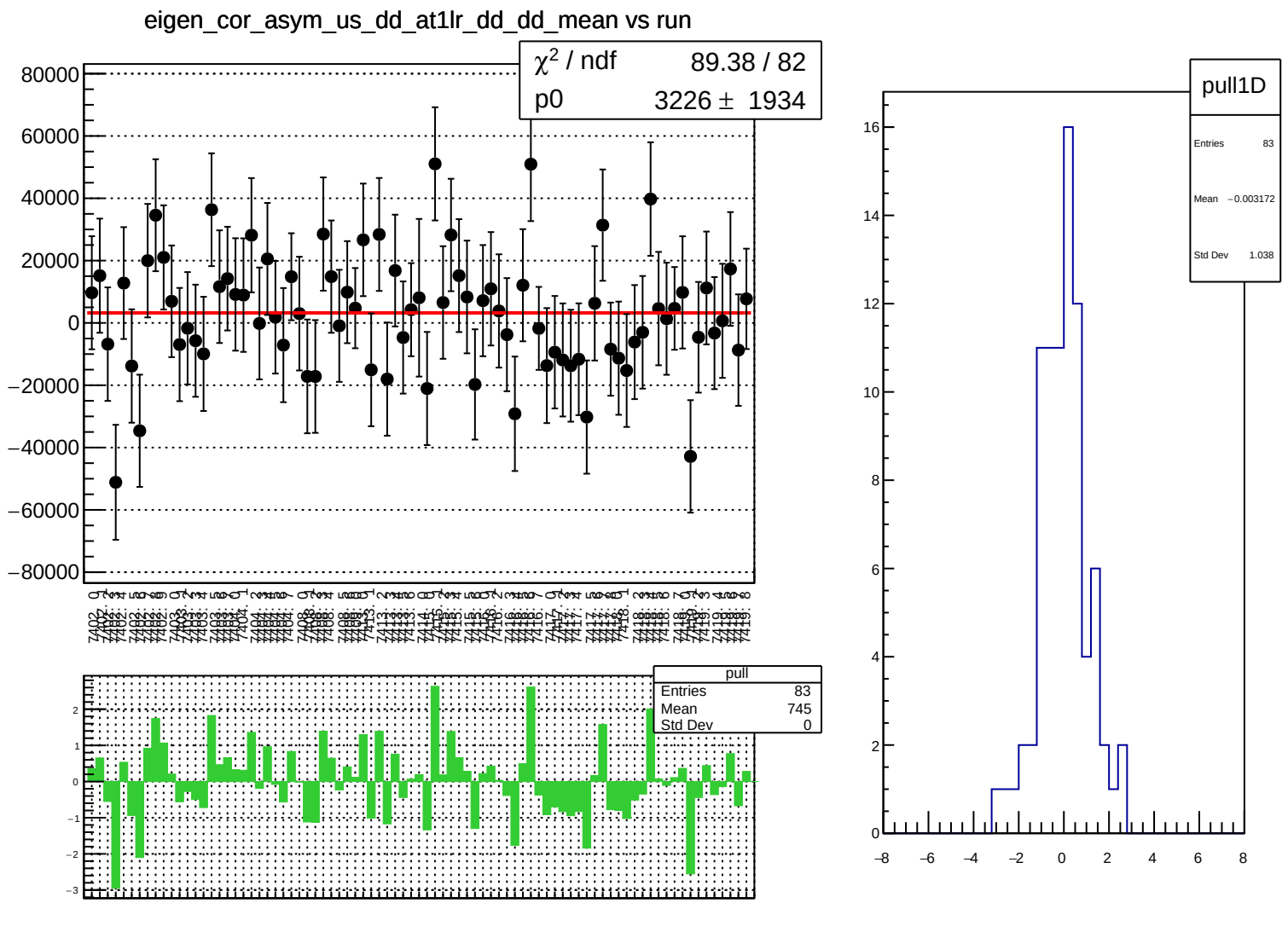

pull1D
Entries 83
Mean −0.003172
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

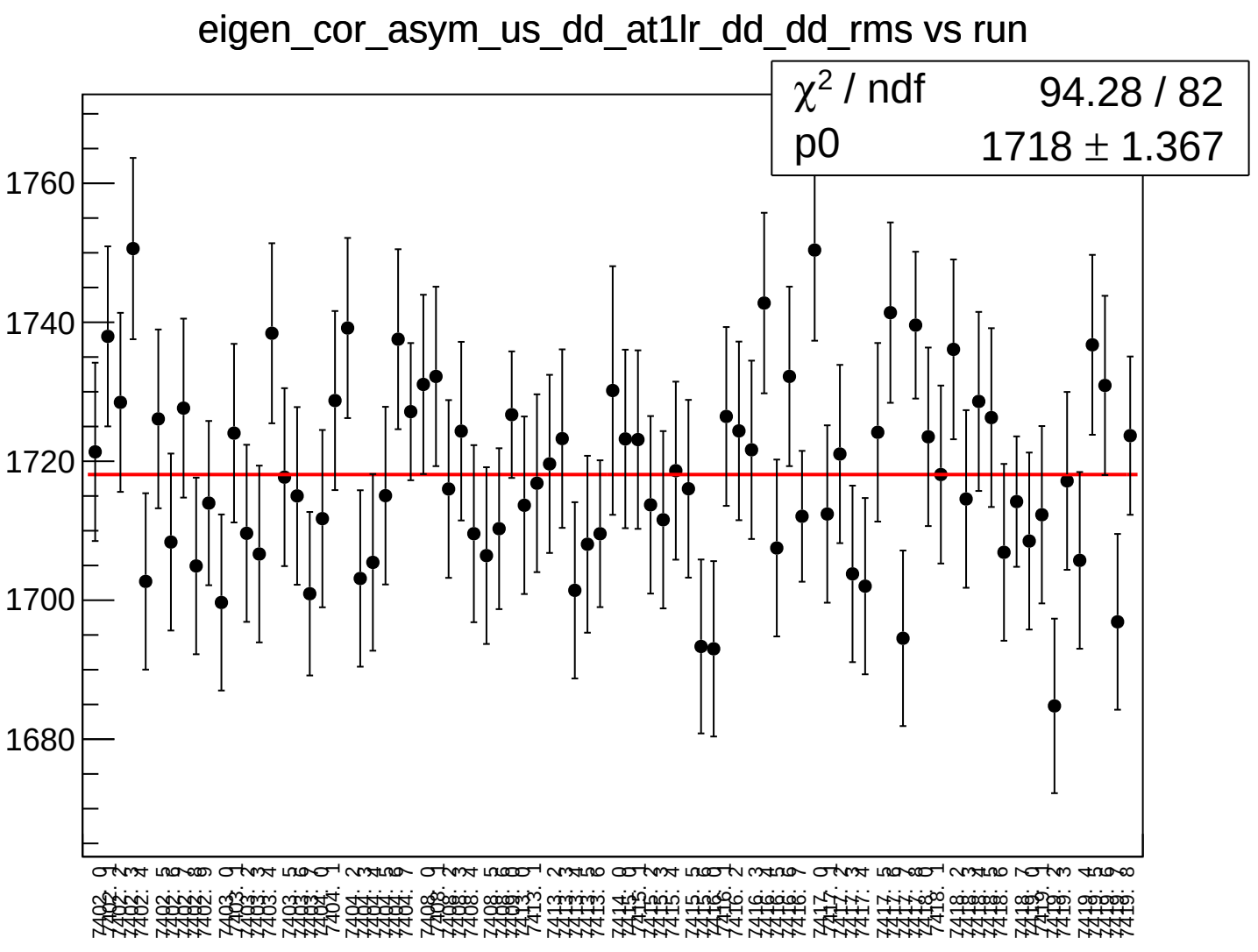

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 94.28 / 82
p0 1718 ± 1.367
1760
1740
1720
1700
1680

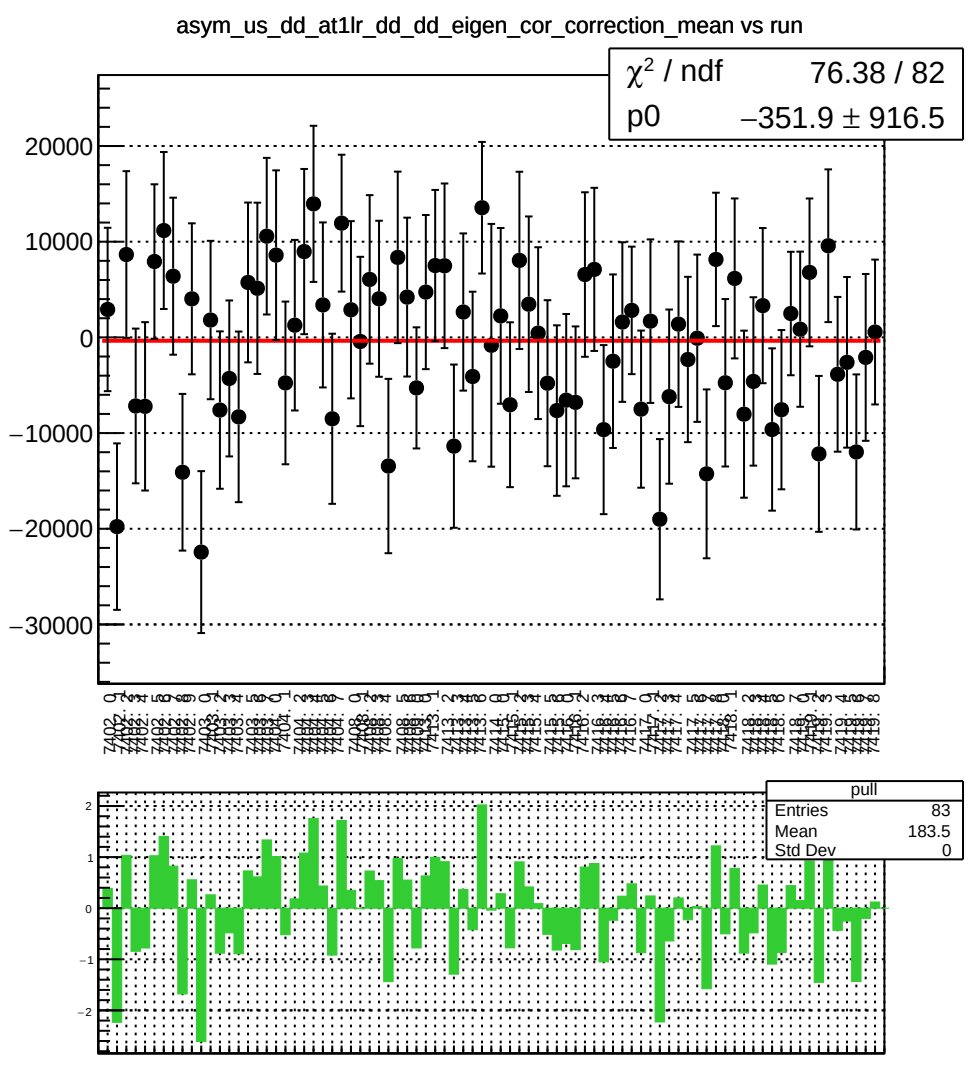

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 76.38 / 82
p0 −351.9 ± 916.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 183.5
Std Dev 0
2
1
0
−1
−2

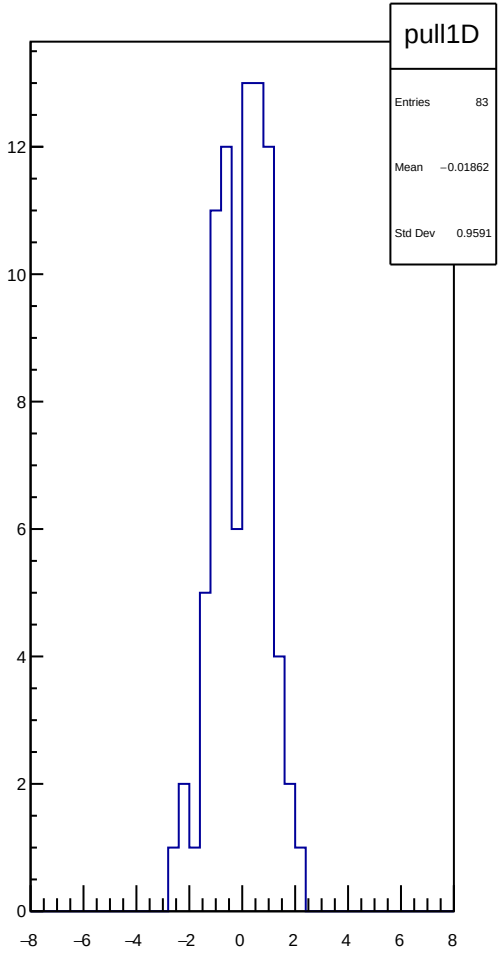

pull1D
Entries 83
Mean −0.01862
Std Dev 0.9591
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

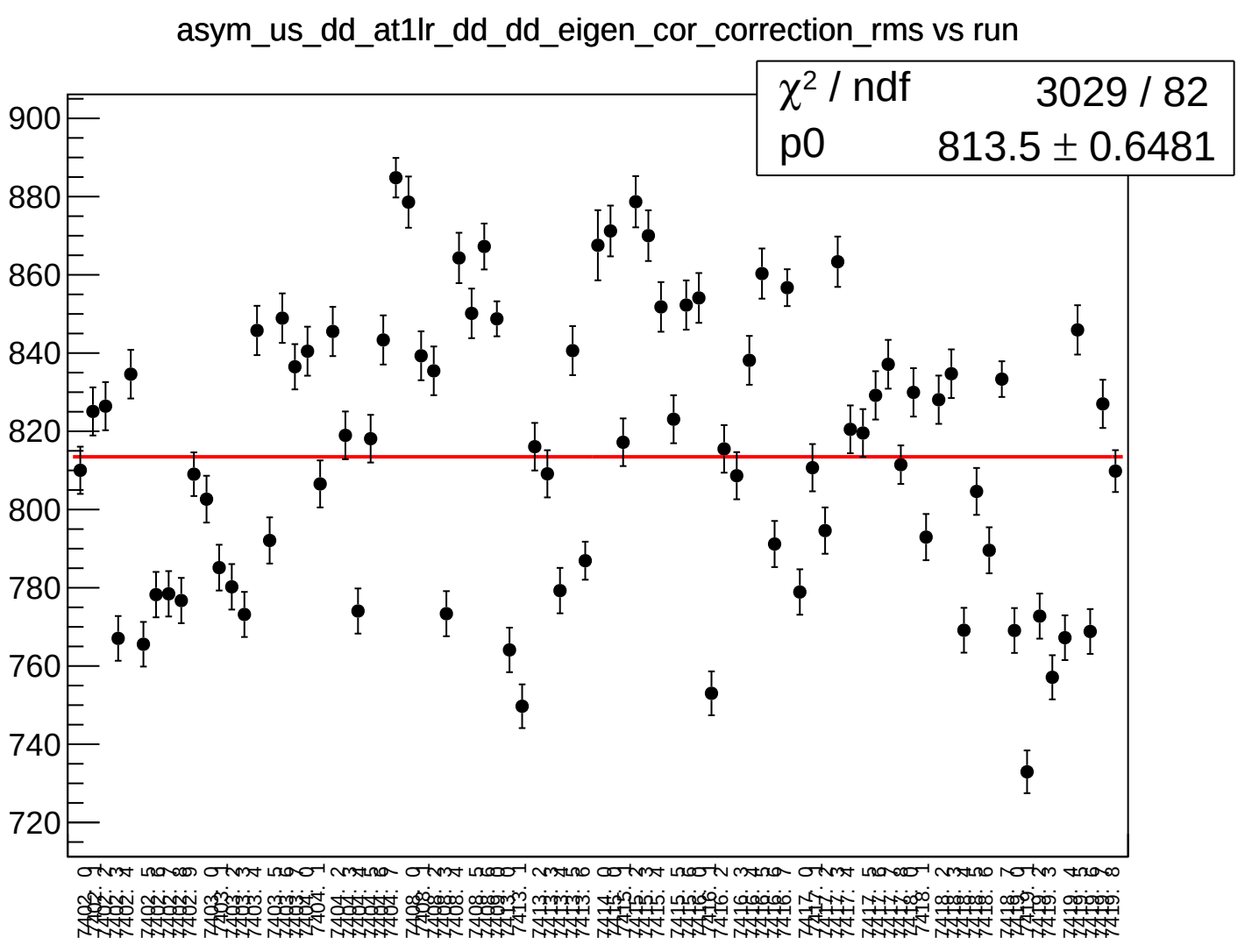

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3029 / 82
p0 813.5 ± 0.6481
900
880
860
840
820
800
780
760
740
720

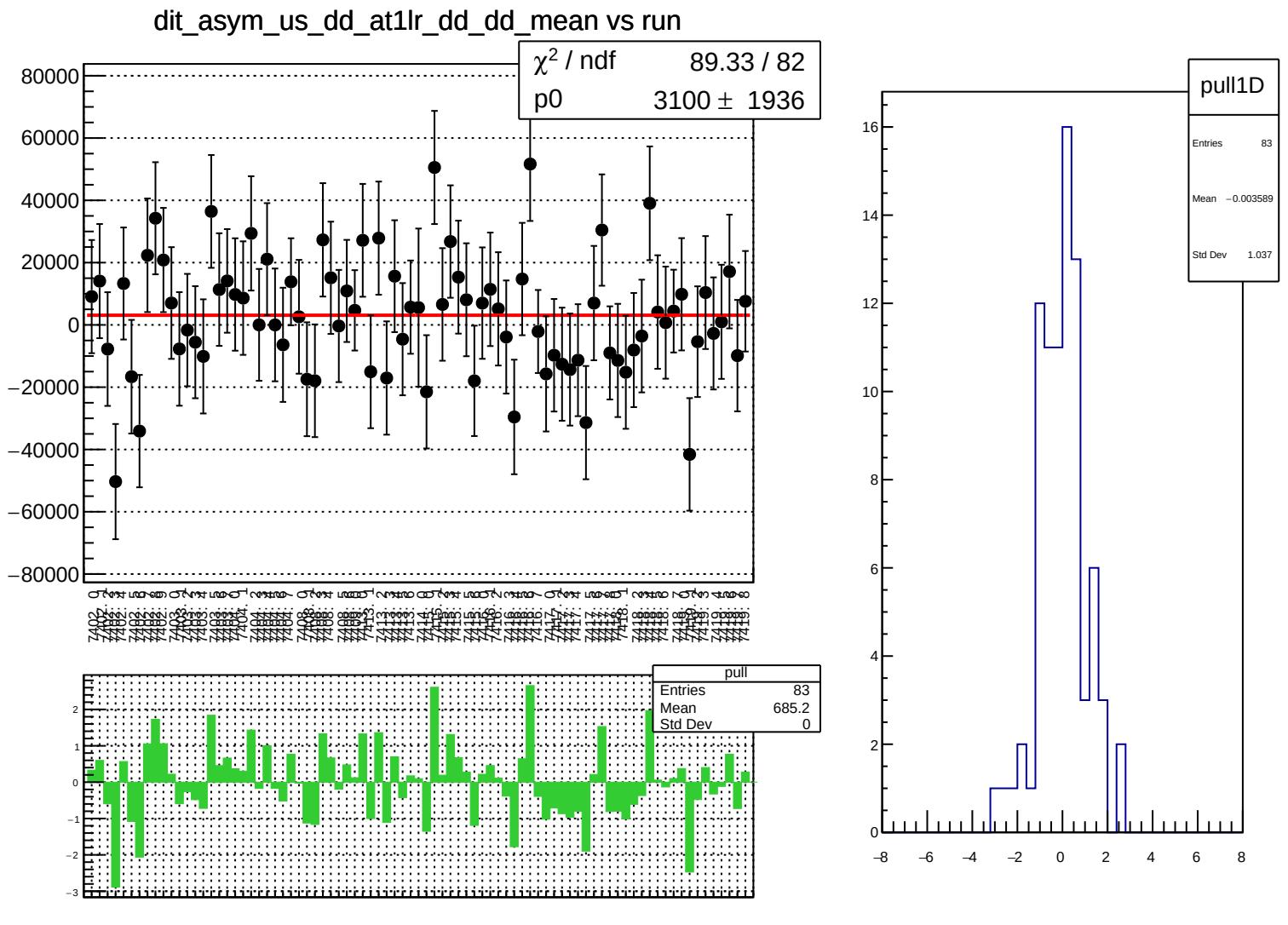

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 89.38 / 82
p0 3226 ± 1934
pull
Entries 83
Mean 745
Std Dev 0
pull1D
Entries 83
Mean −0.003172
Std Dev 1.038

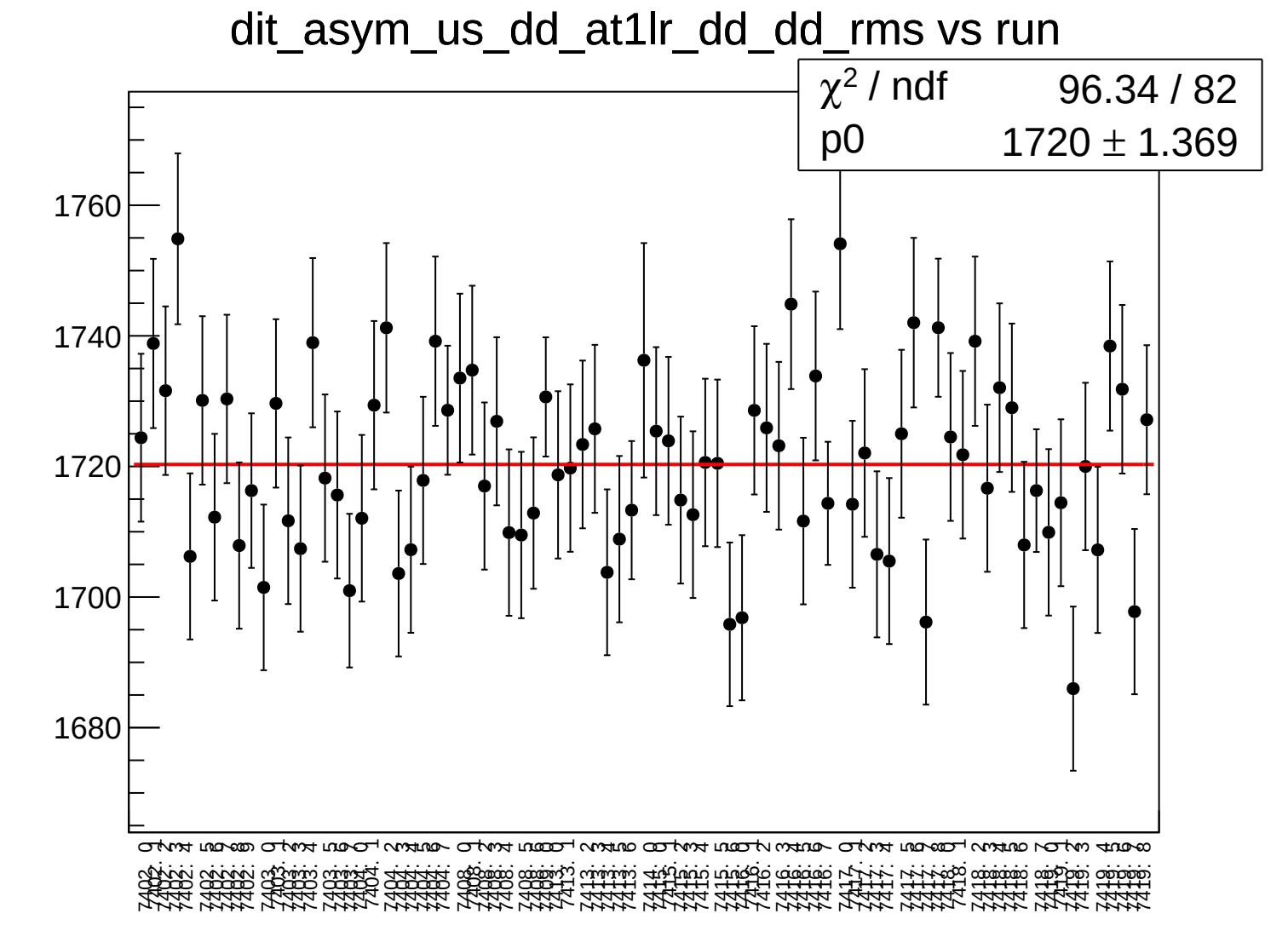

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 94.28 / 82
p0 1718 ± 1.367
1760
1740
1720
1700
1680

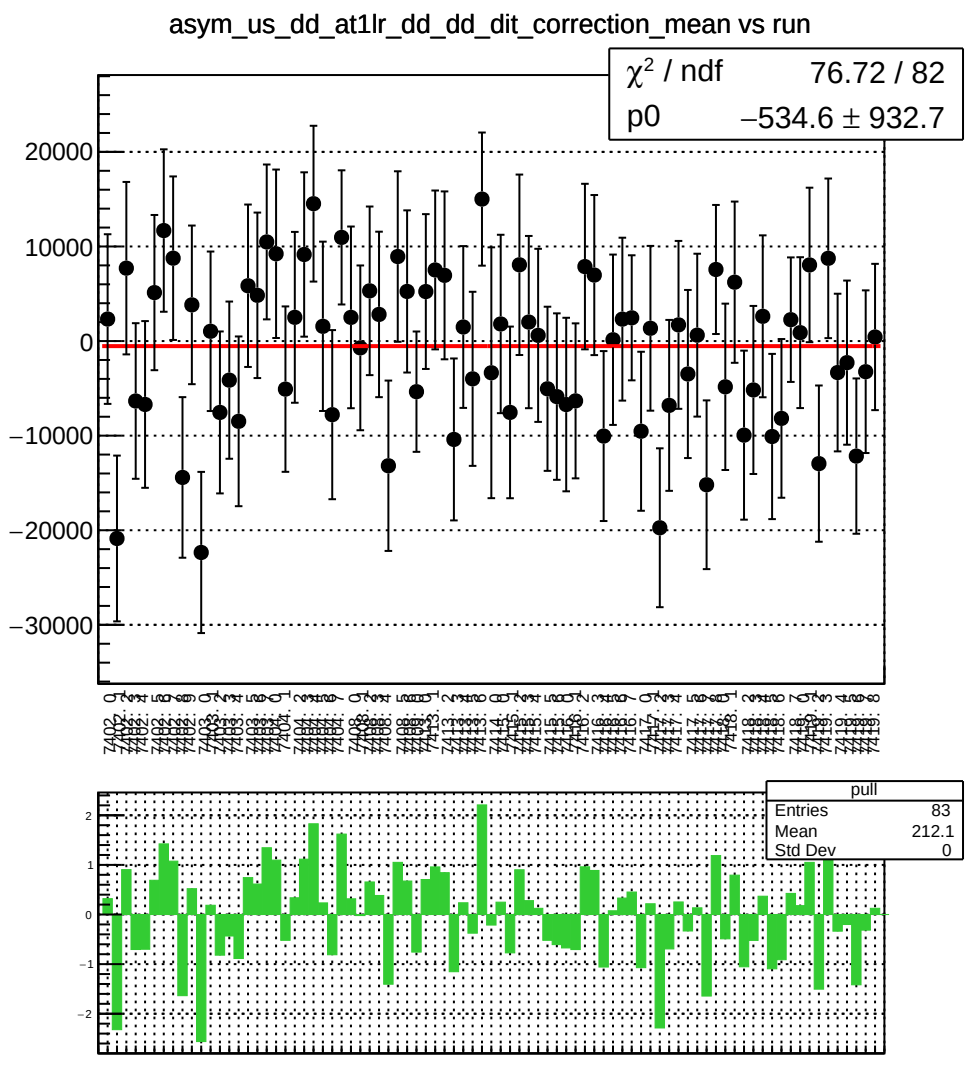

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.38 / 82
p0 −351.9 ± 916.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 183.5
Std Dev 0
2
1
0
−1
−2

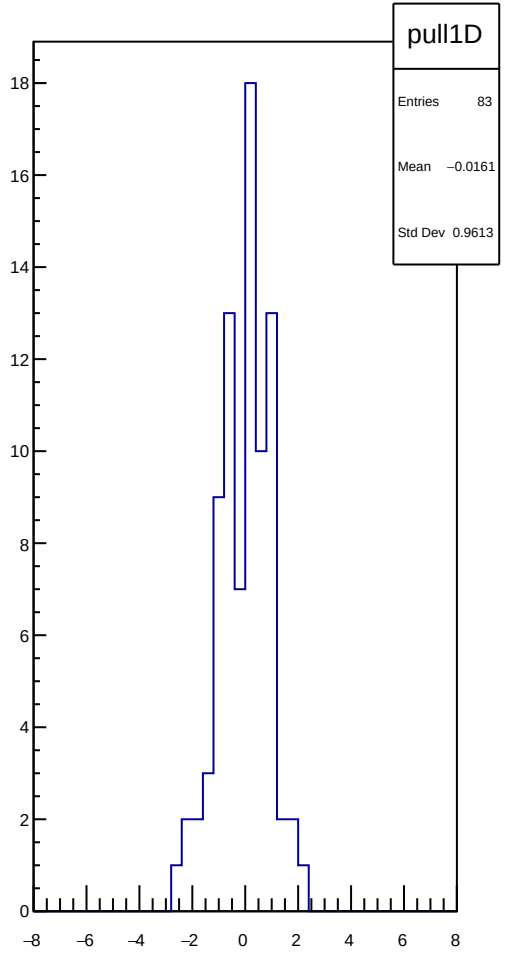

pull1D
Entries 83
Mean −0.01862
Std Dev 0.9591
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

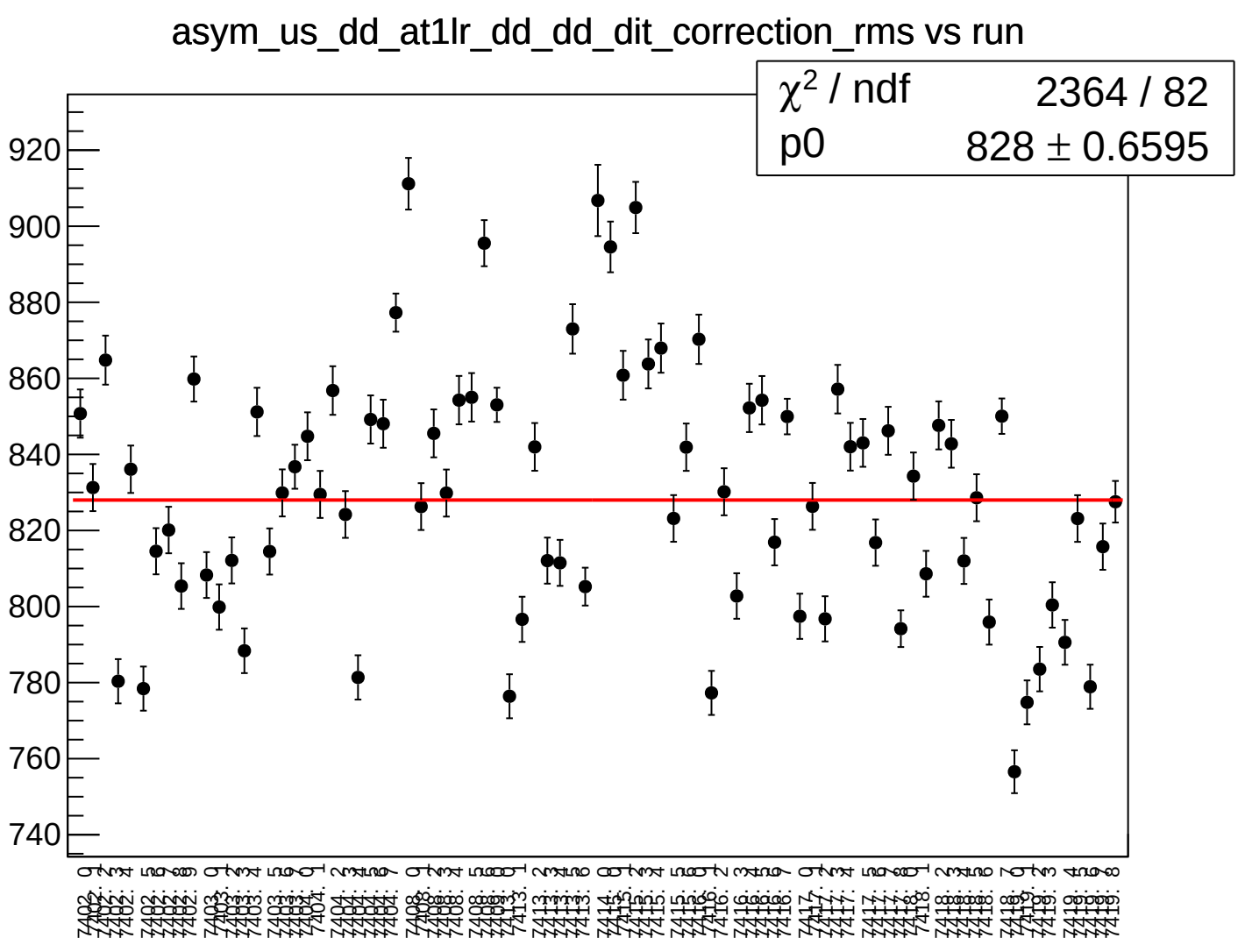

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3029 / 82
p0 813.5 ± 0.6481
900
880
860
840
820
800
780
760
740
720

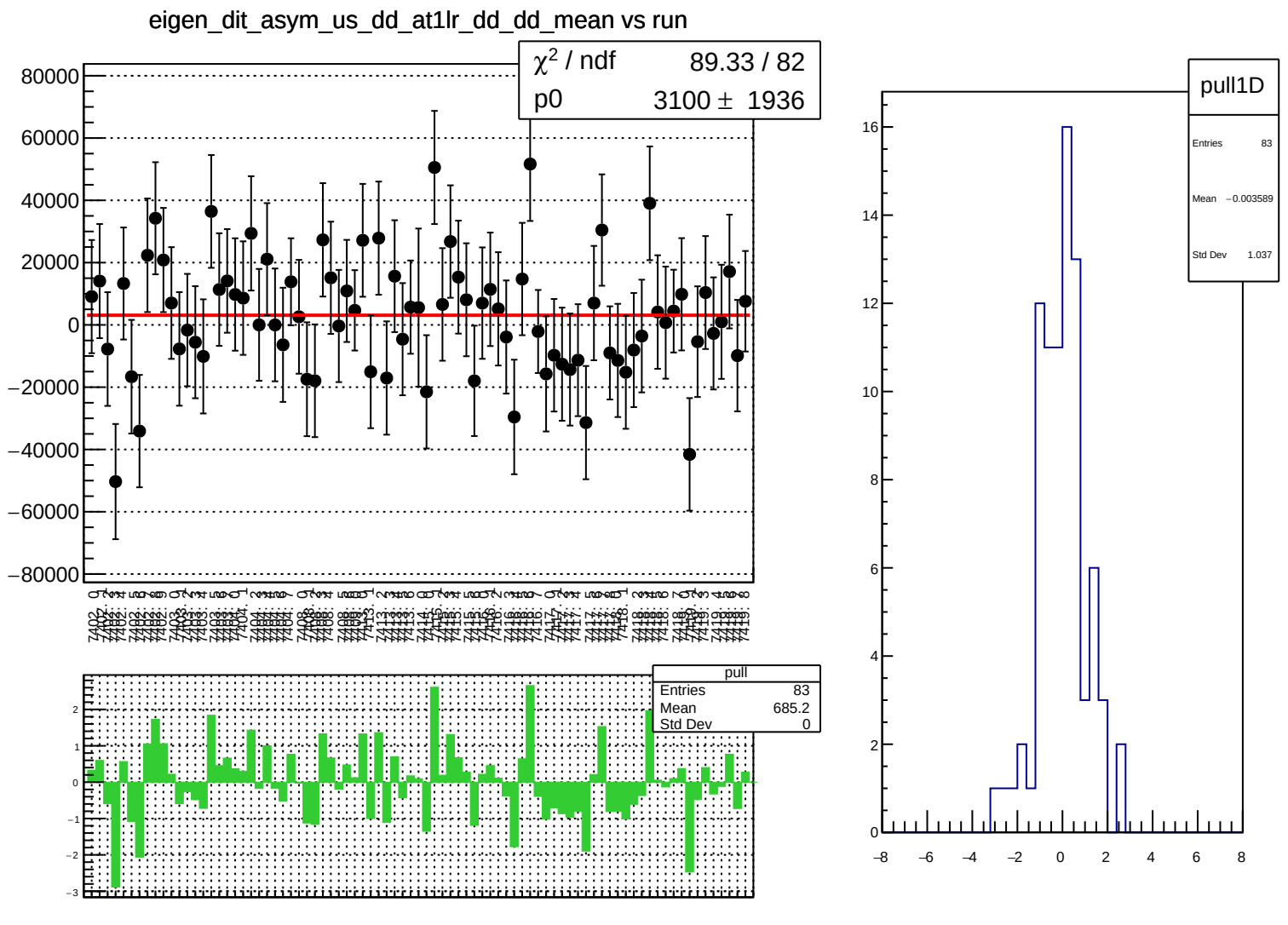

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 89.33 / 82
p0 3100 ± 1936
pull
Entries 83
Mean 685.2
Std Dev 0
pull1D
Entries 83
Mean −0.003589
Std Dev 1.037

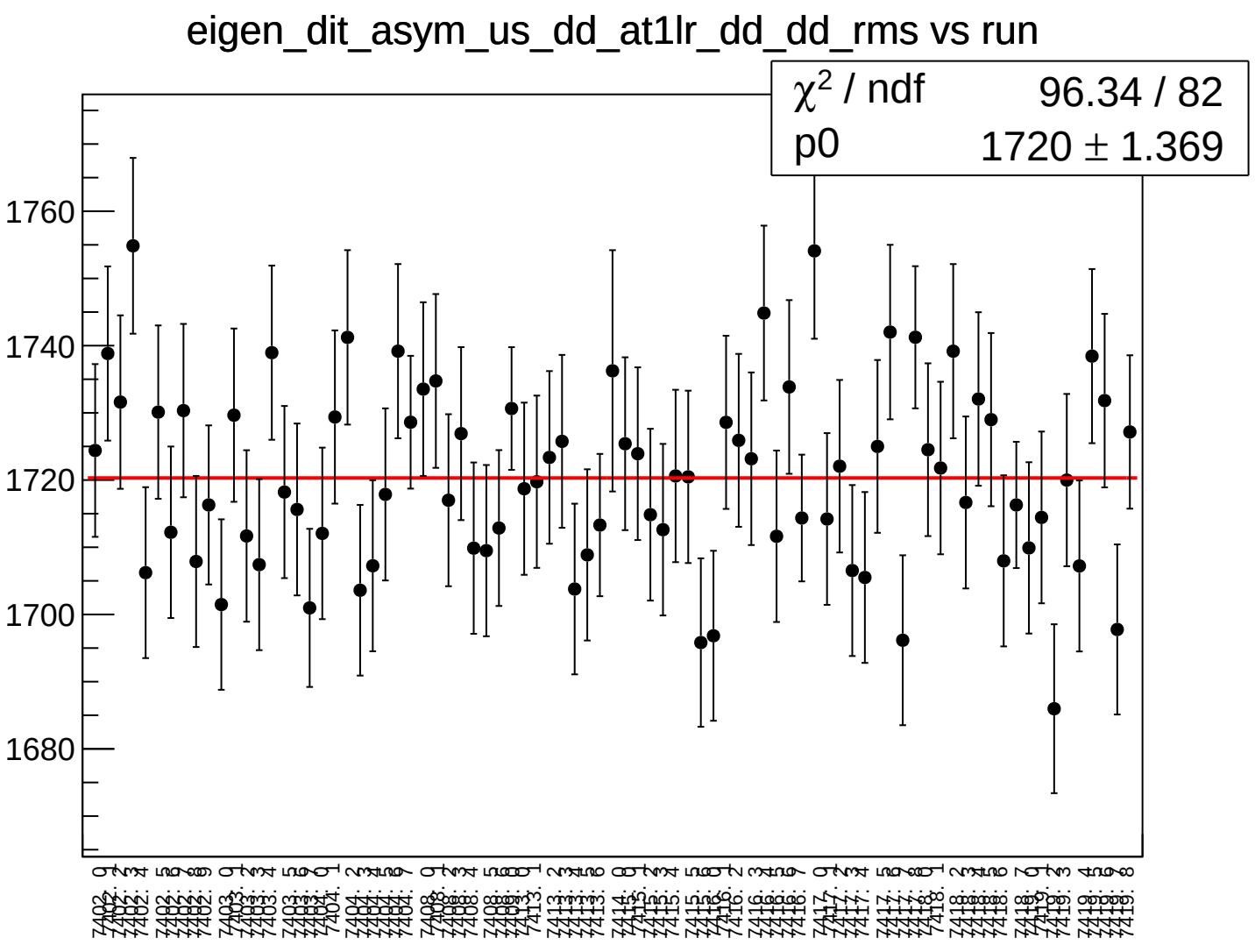

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 96.34 / 82
p0 1720 ± 1.369
1760
1740
1720
1700
1680

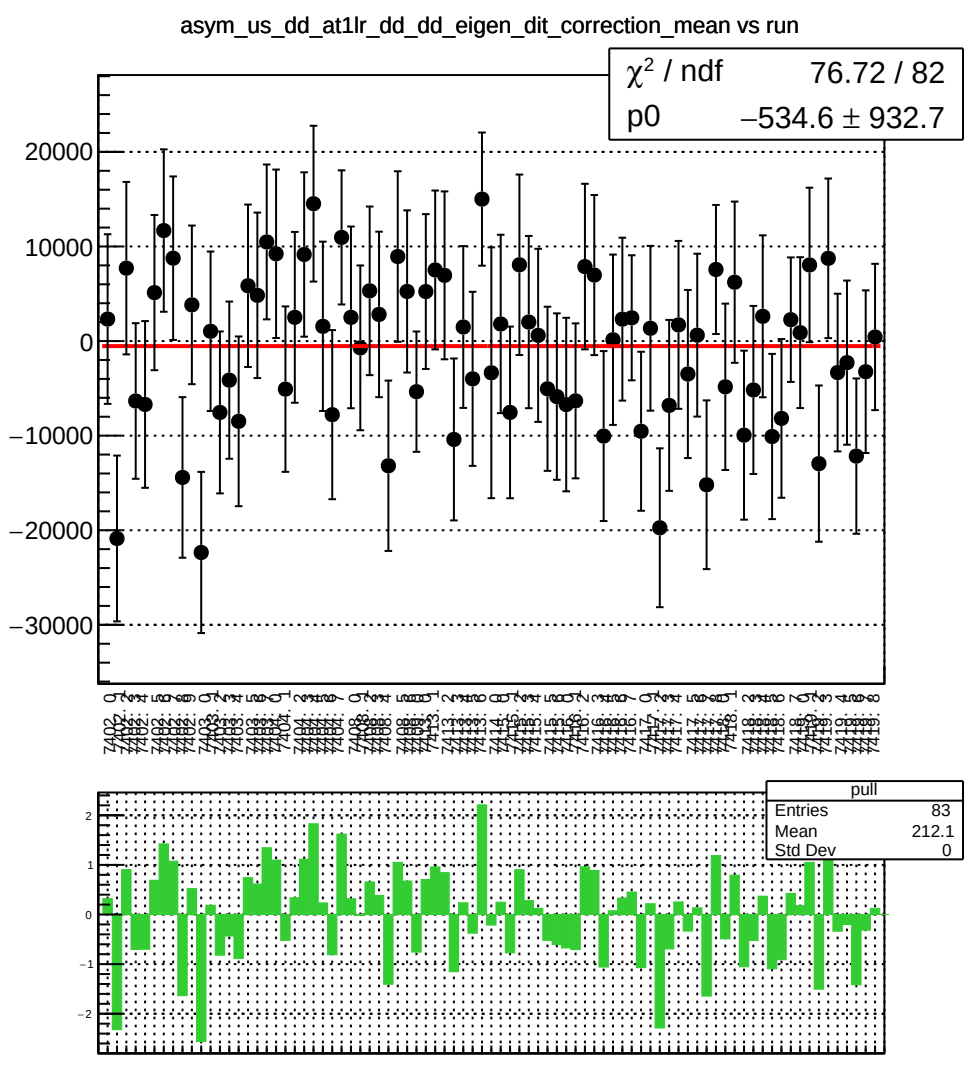

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 76.72 / 82
p0 −534.6 ± 932.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 212.1
Std Dev 0
2
1
0
−1
−2

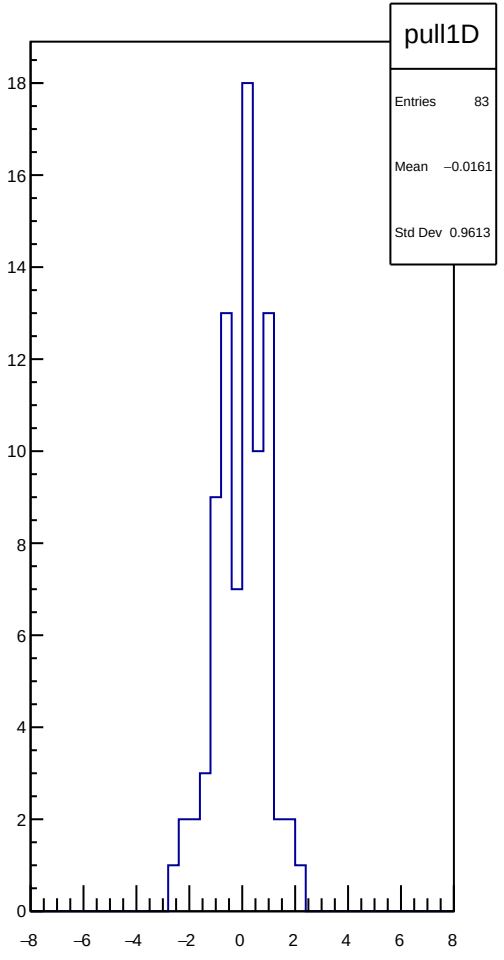

pull1D
Entries 83
Mean −0.0161
Std Dev 0.9613
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

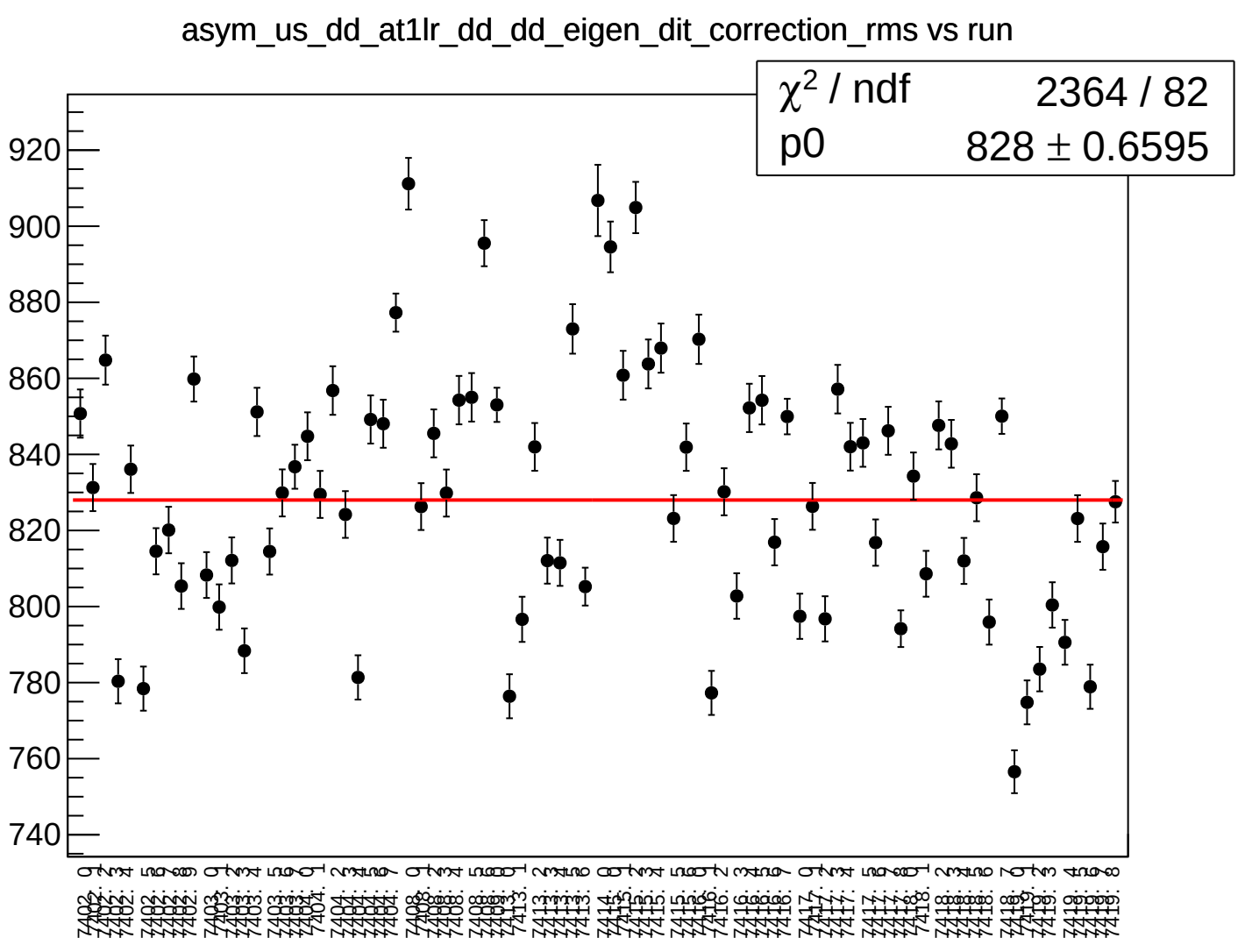

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2364 / 82
p0 828 ± 0.6595
920
900
880
860
840
820
800
780
760
740

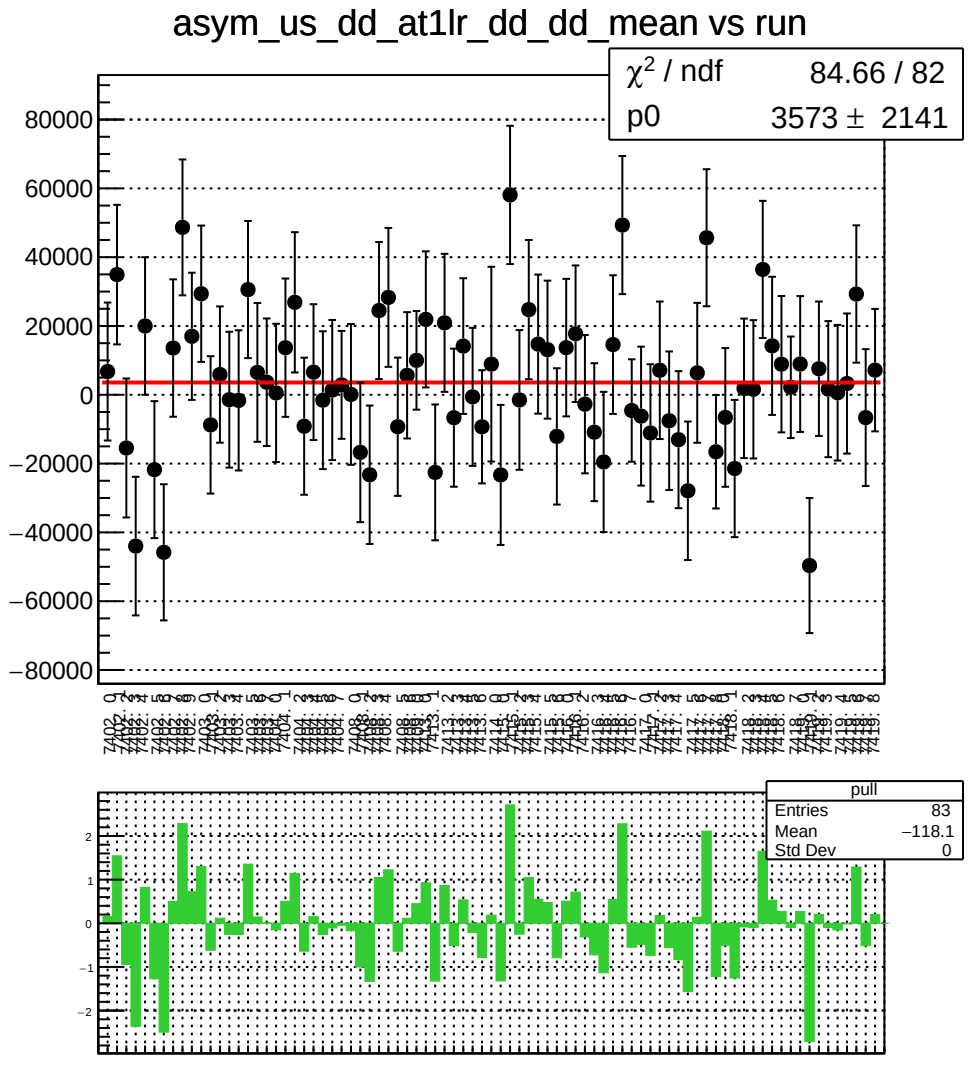

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 89.33 / 82
p0 3100 ± 1936
pull
Entries 83
Mean 685.2
Std Dev 0
pull1D
Entries 83
Mean −0.003589
Std Dev 1.037

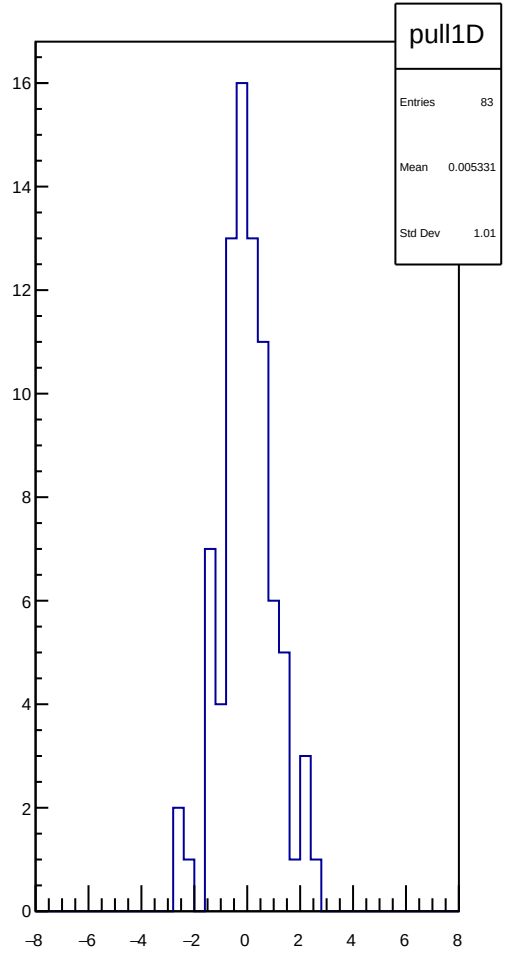

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 96.34 / 82
p0 1720 ± 1.369
1760
1740
1720
1700
1680

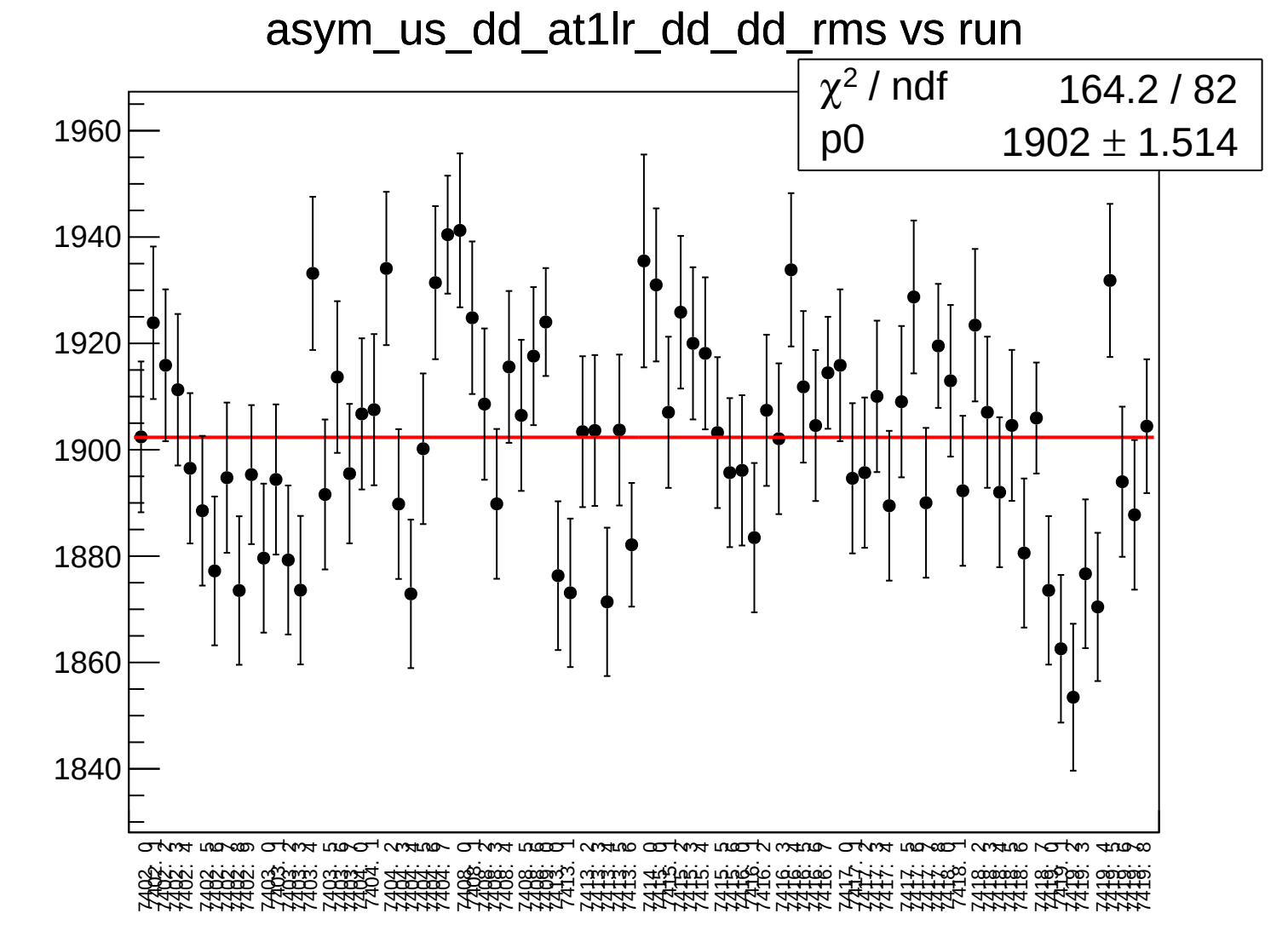

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.72 / 82
p0 −534.6 ± 932.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 212.1
Std Dev 0
2
1
0
−1
−2

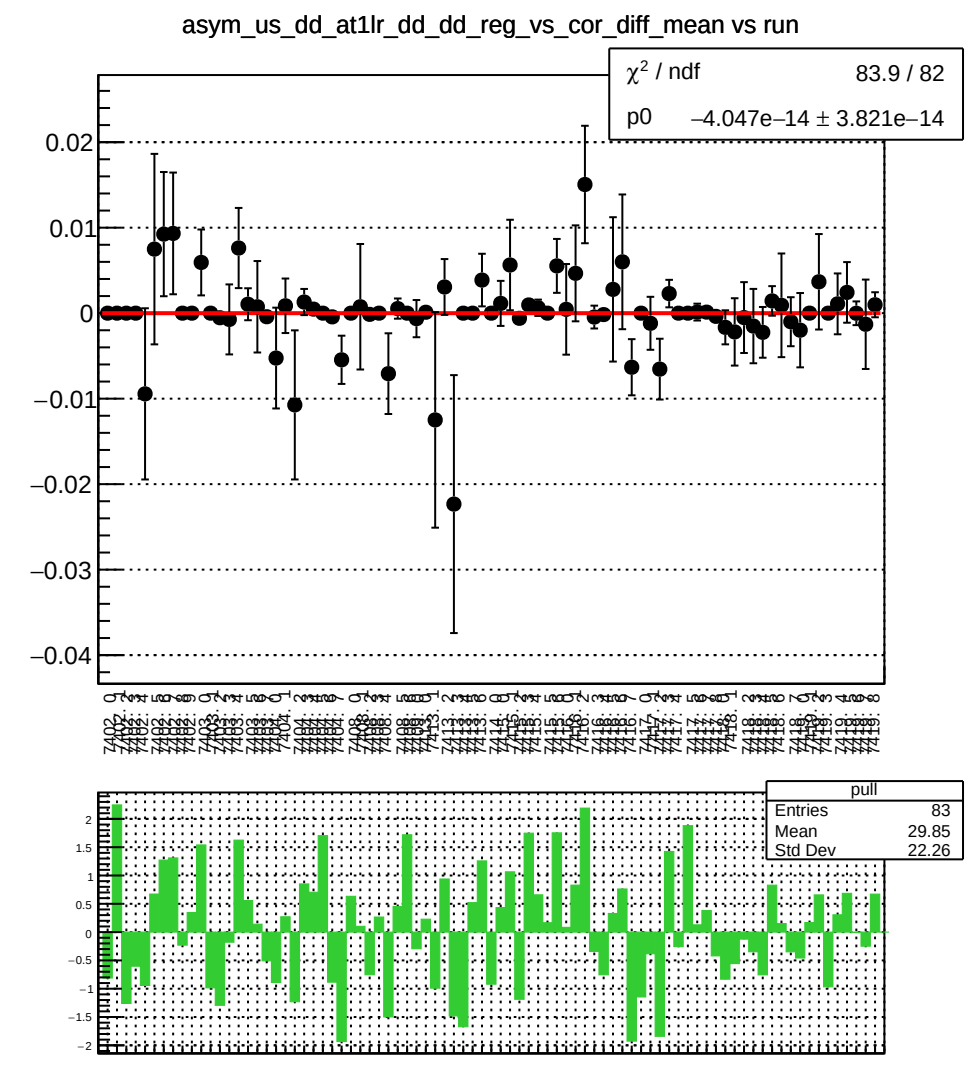

pull1D
Entries 83
Mean −0.0161
Std Dev 0.9613
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

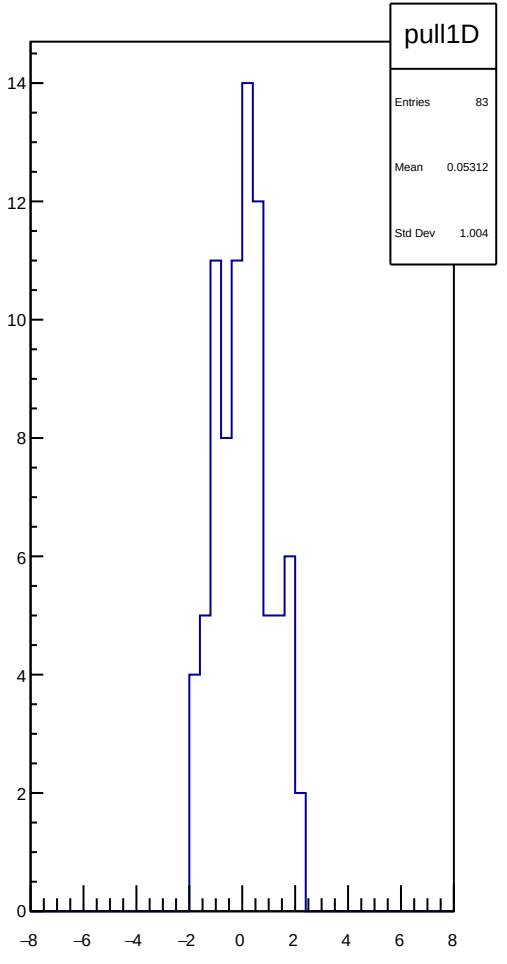

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2364 / 82
p0 828 ± 0.6595
920
900
880
860
840
820
800
780
760
740

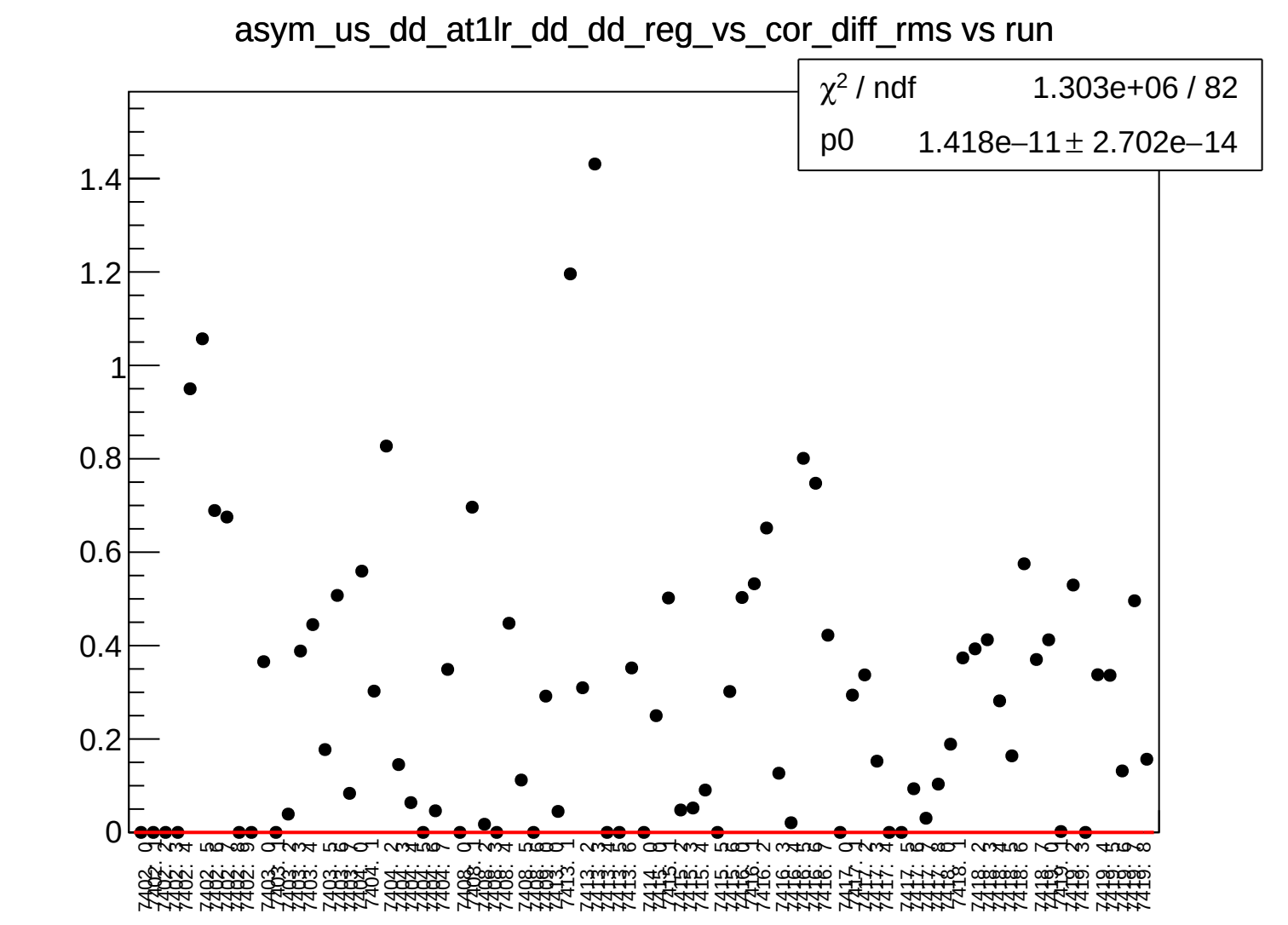

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 84.66 / 82
p0 3573 ± 2141
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −118.1
Std Dev 0
2
1
0
−1
−2

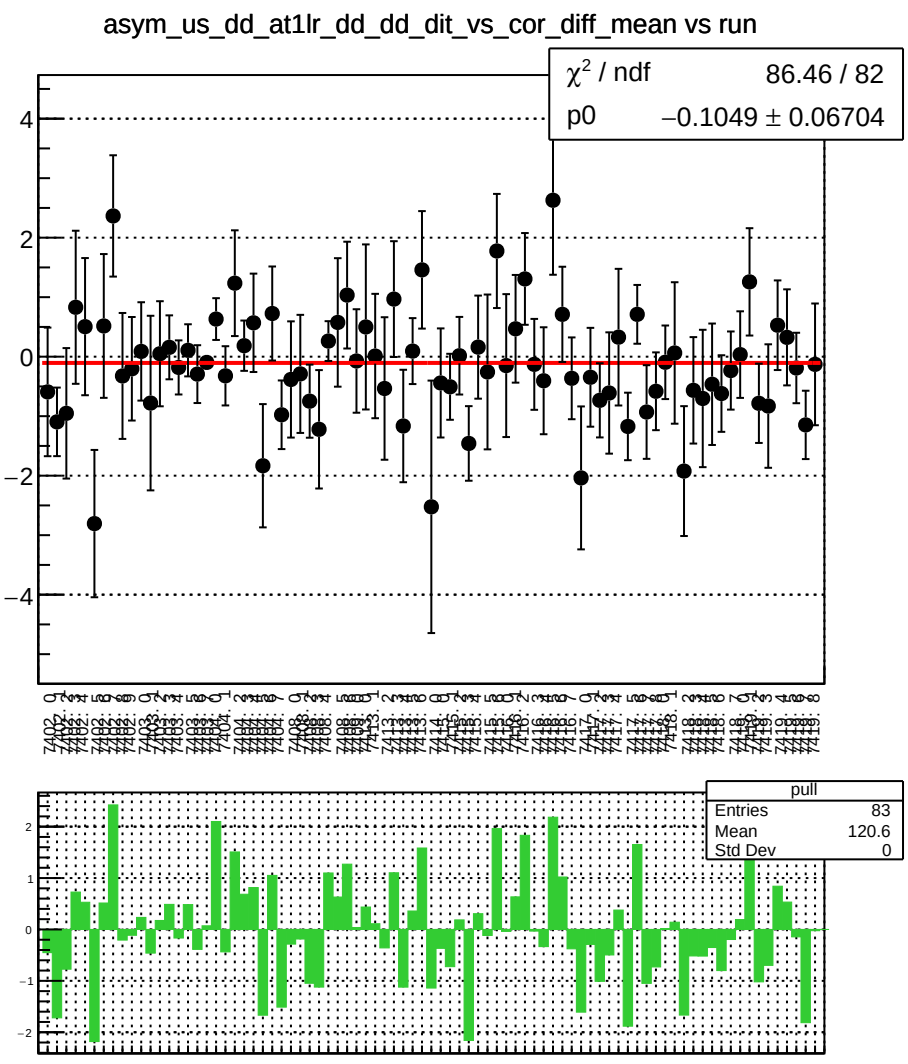

pull1D
Entries 83
Mean 0.005331
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

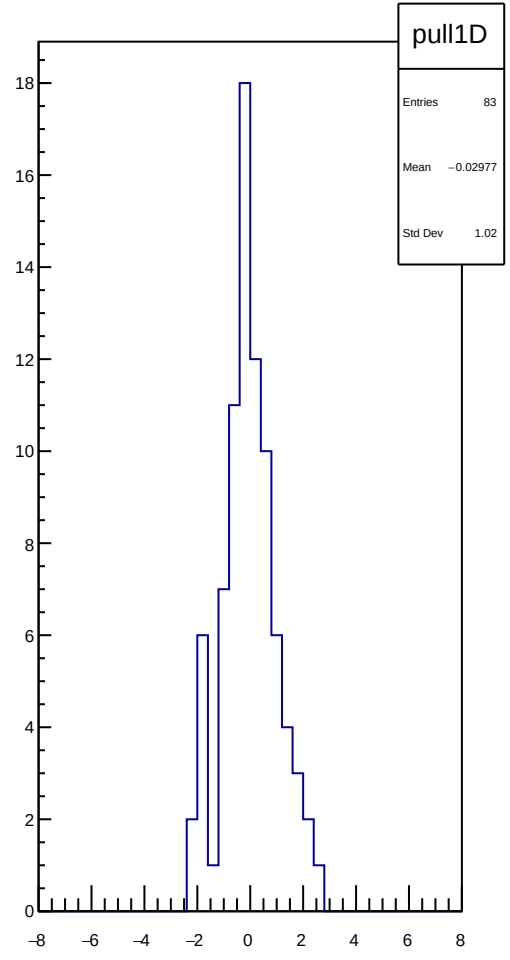

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 164.2 / 82
p0 1902 ± 1.514
1960
1940
1920
1900
1880
1860
1840

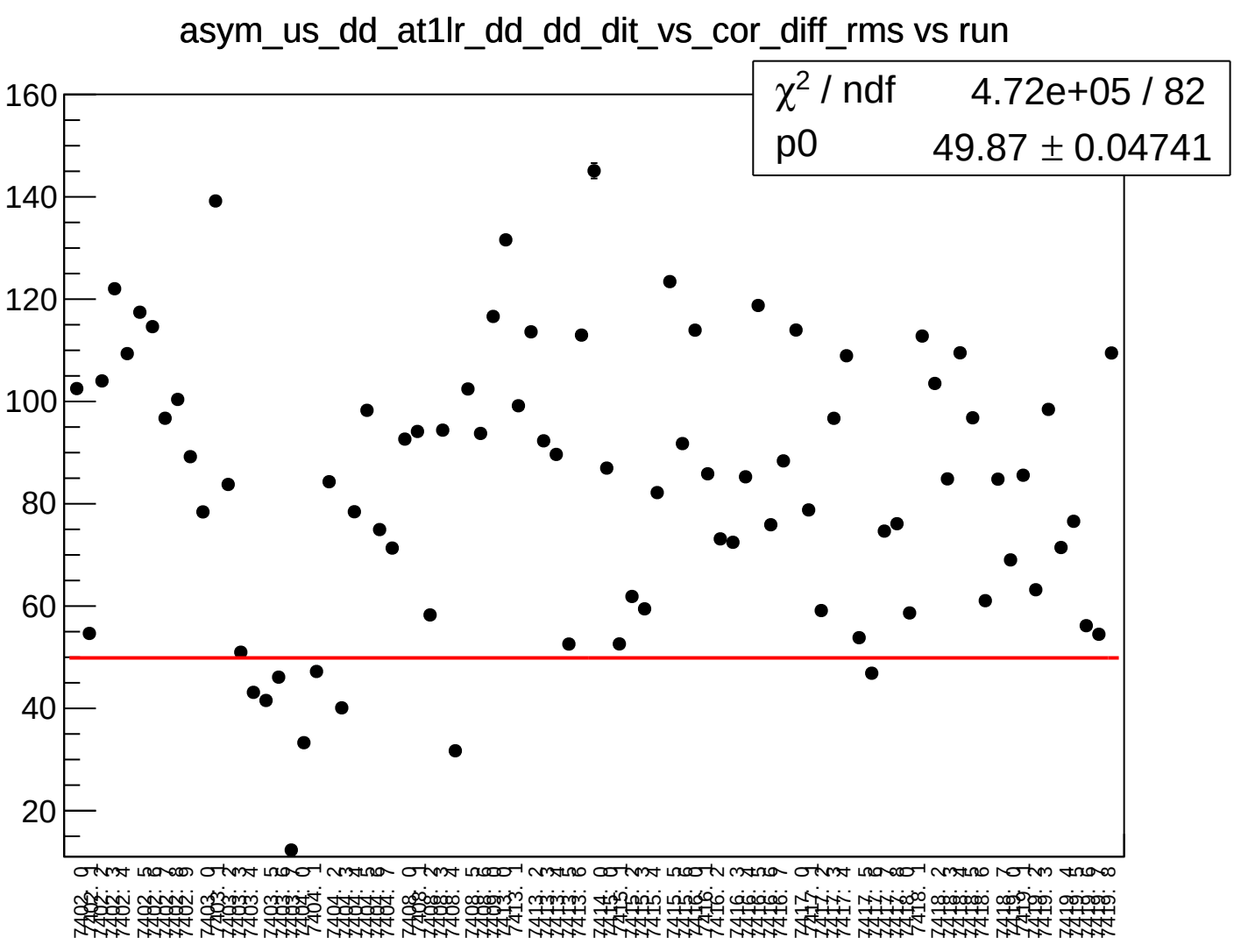

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 83.9 / 82
p0 −4.047e−14 ± 3.821e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 83
Mean 29.85
Std Dev 22.26
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

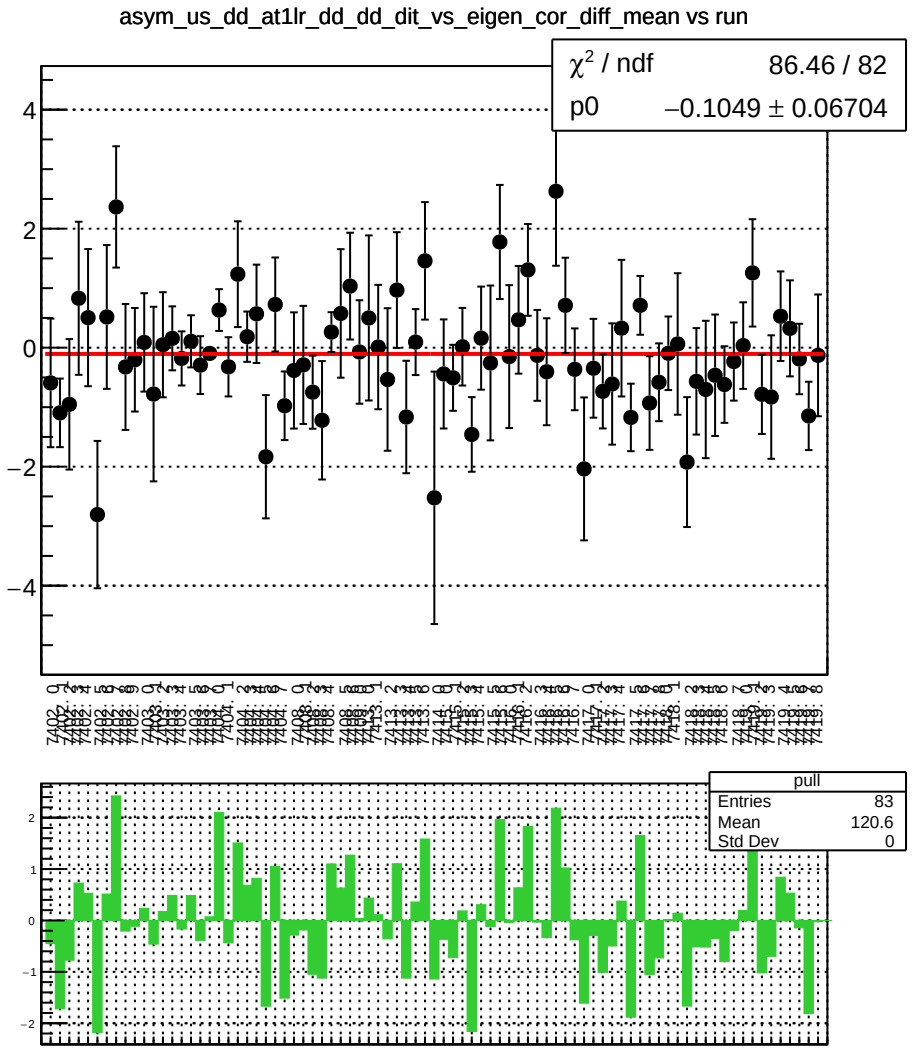

pull1D
Entries 83
Mean 0.05312
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

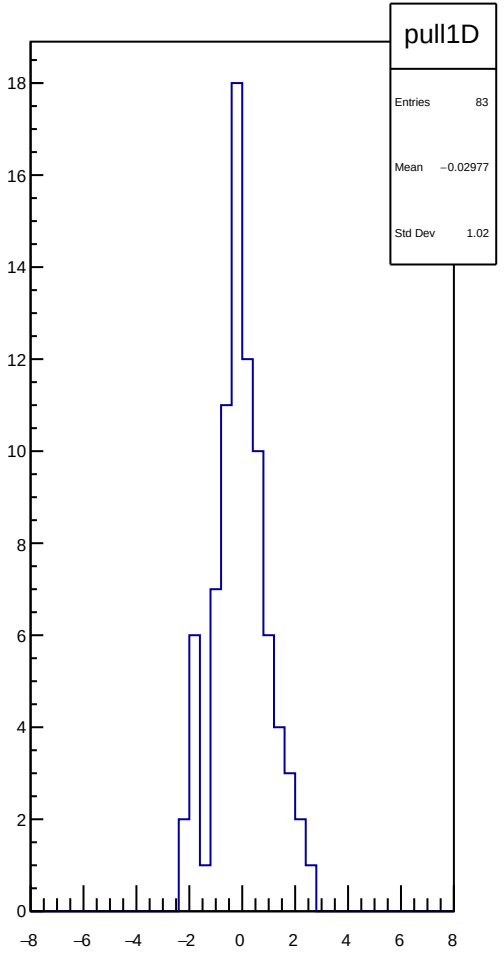

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.303e+06 / 82
p0 1.418e−11 ± 2.702e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

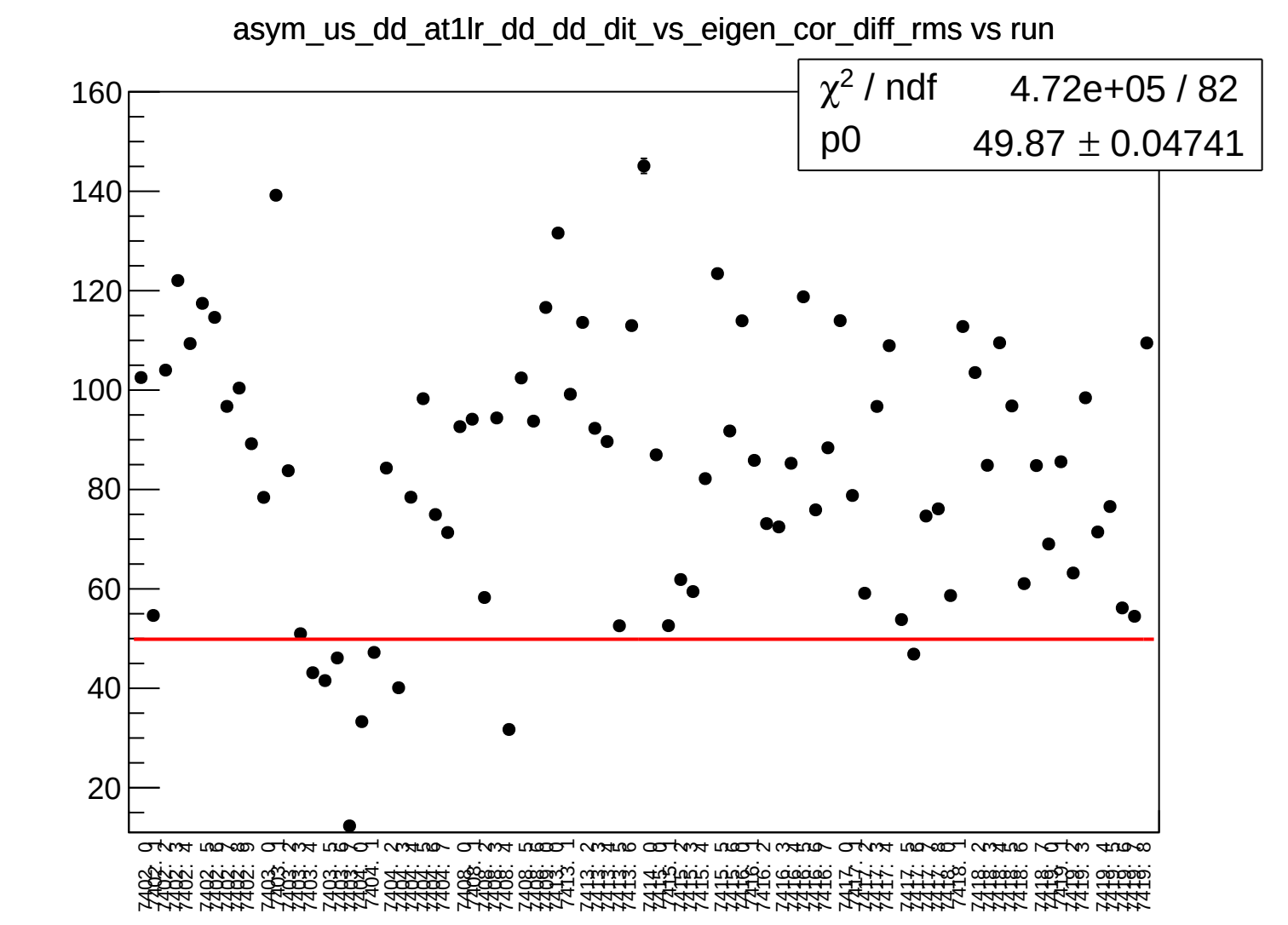

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 86.46 / 82
p0 −0.1049 ± 0.06704
pull
Entries 83
Mean 120.6
Std Dev 0

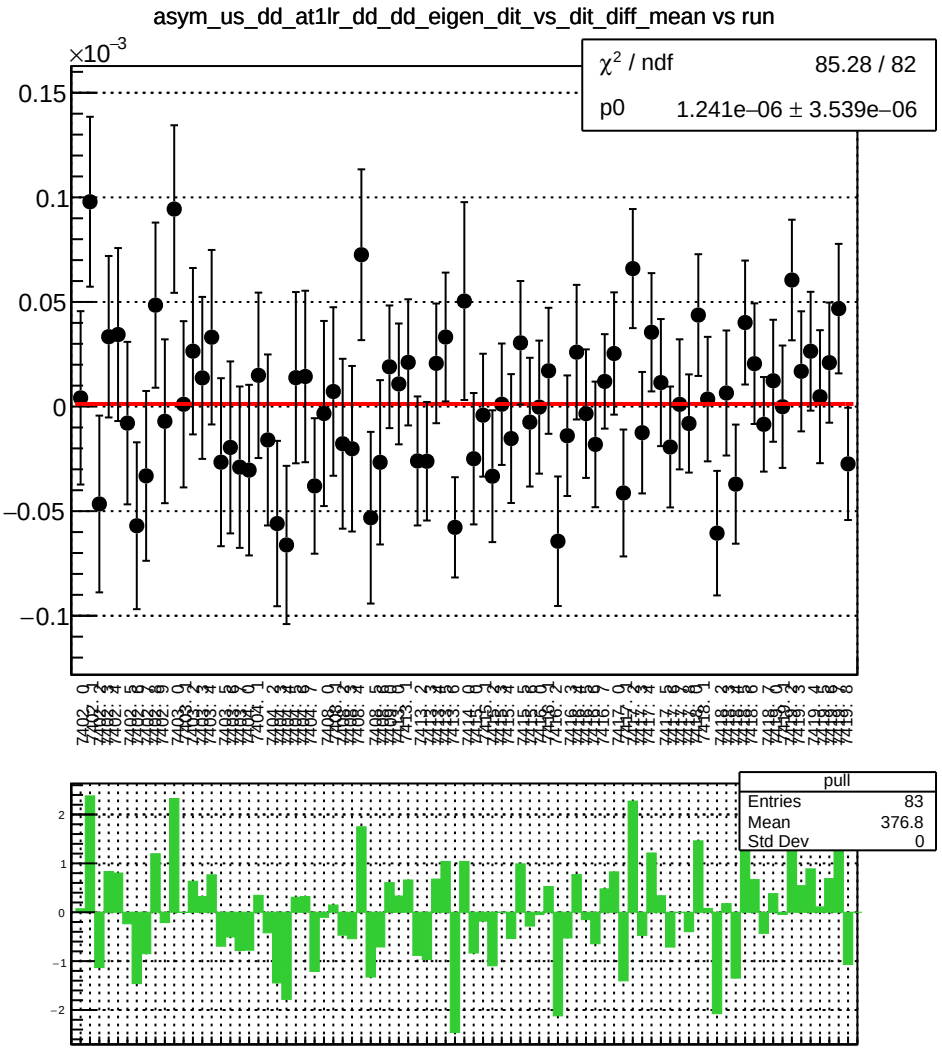

pull1D
Entries 83
Mean −0.02977
Std Dev 1.02

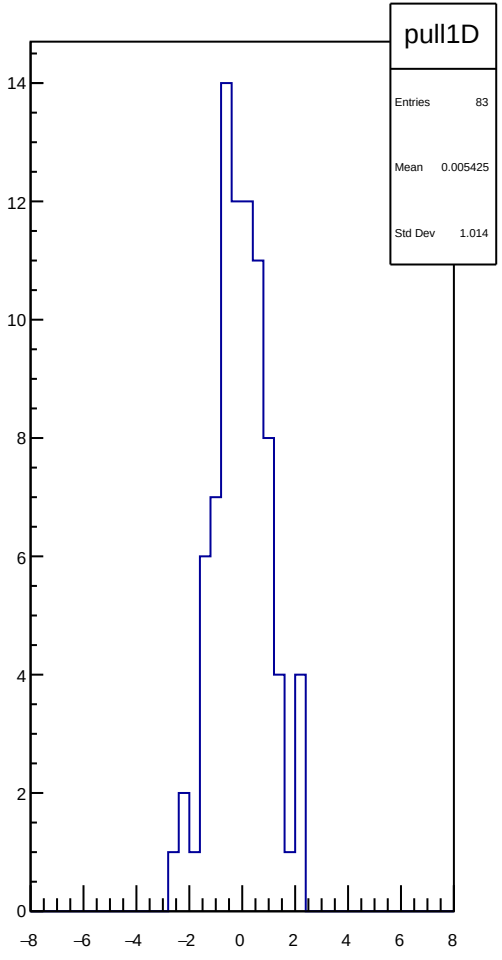

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.72e+05 / 82
p0 49.87 ± 0.04741
160
140
120
100
80
60
40
20

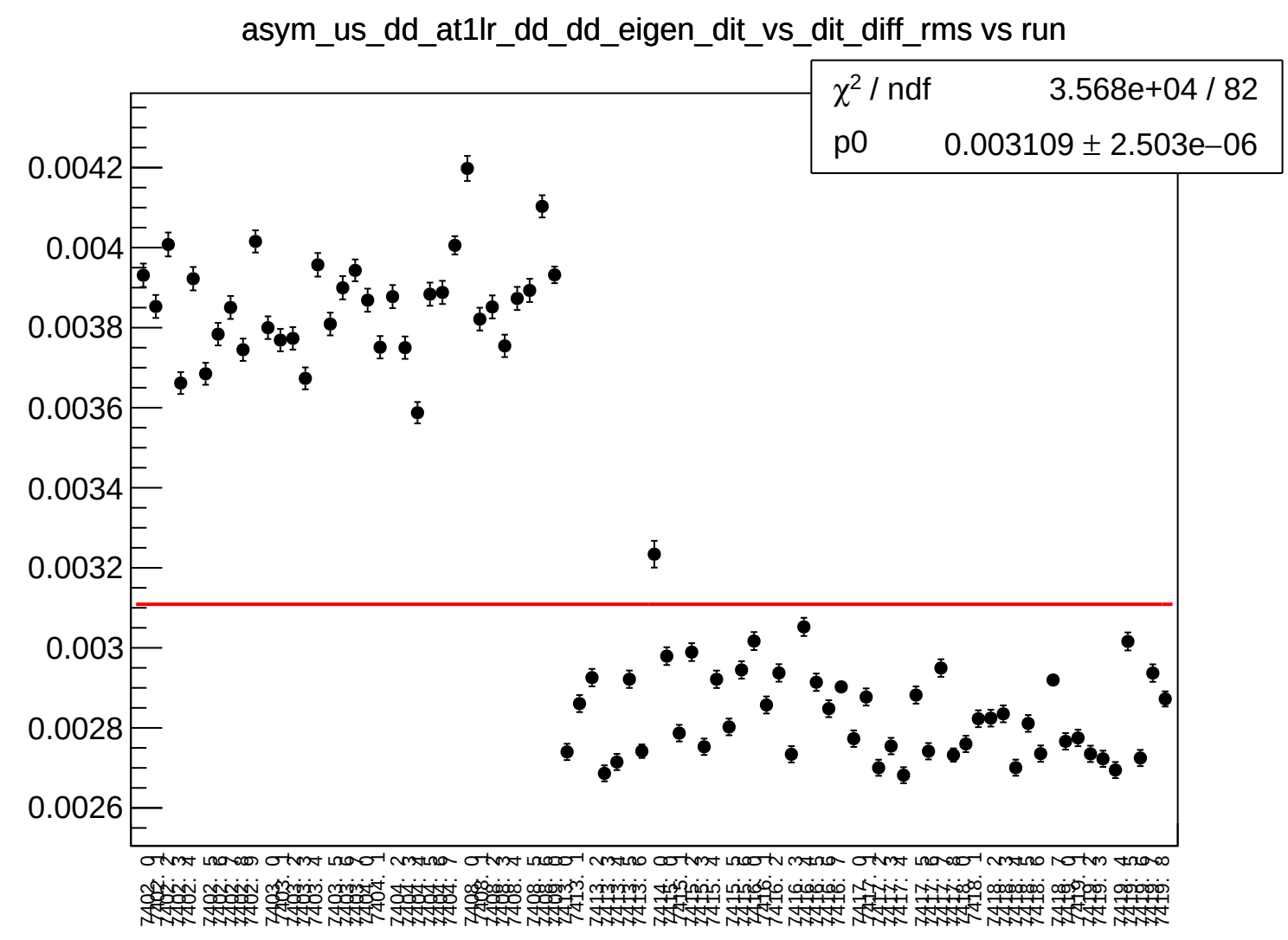

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.46 / 82
p0 −0.1049 ± 0.06704
pull
Entries 83
Mean 120.6
Std Dev 0

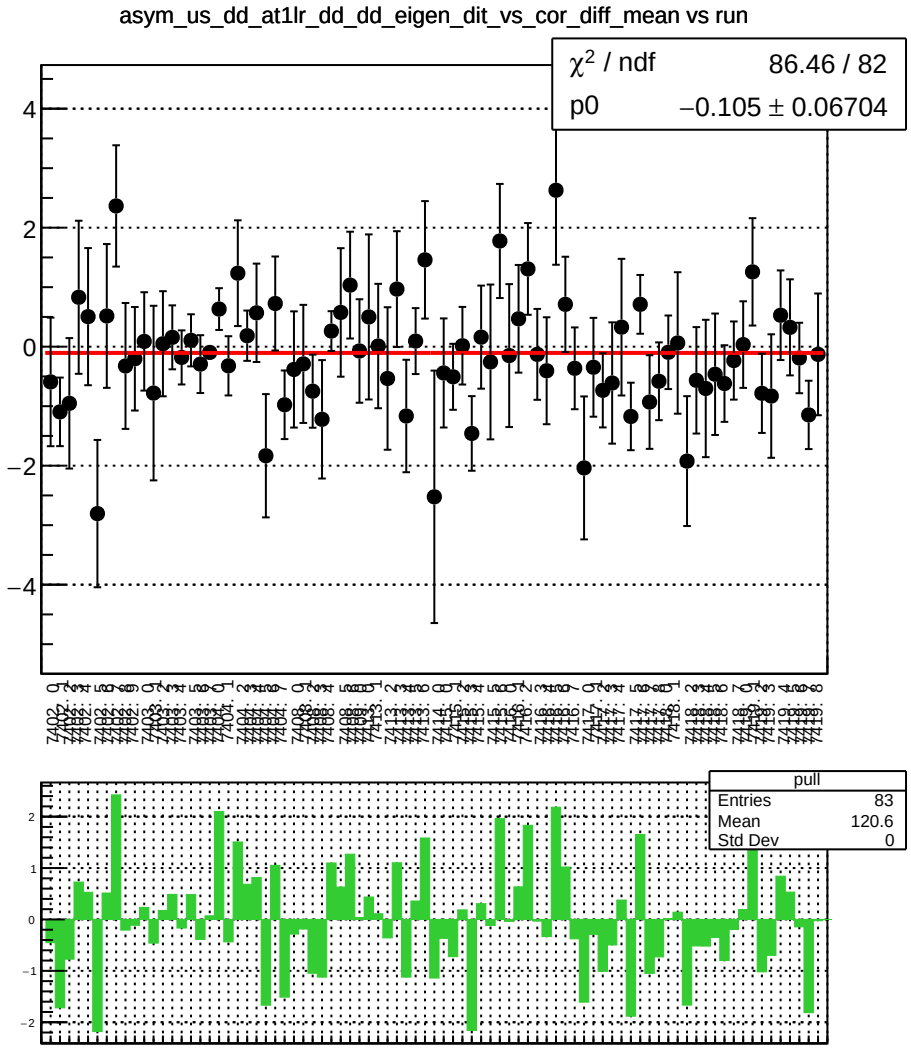

pull1D
Entries 83
Mean −0.02977
Std Dev 1.02

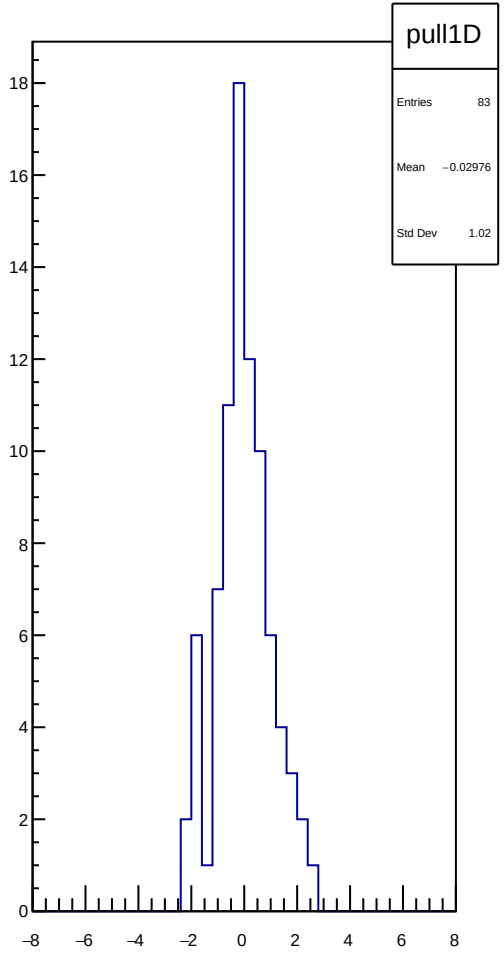

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.72e+05 / 82
p0 49.87 ± 0.04741
160
140
120
100
80
60
40
20

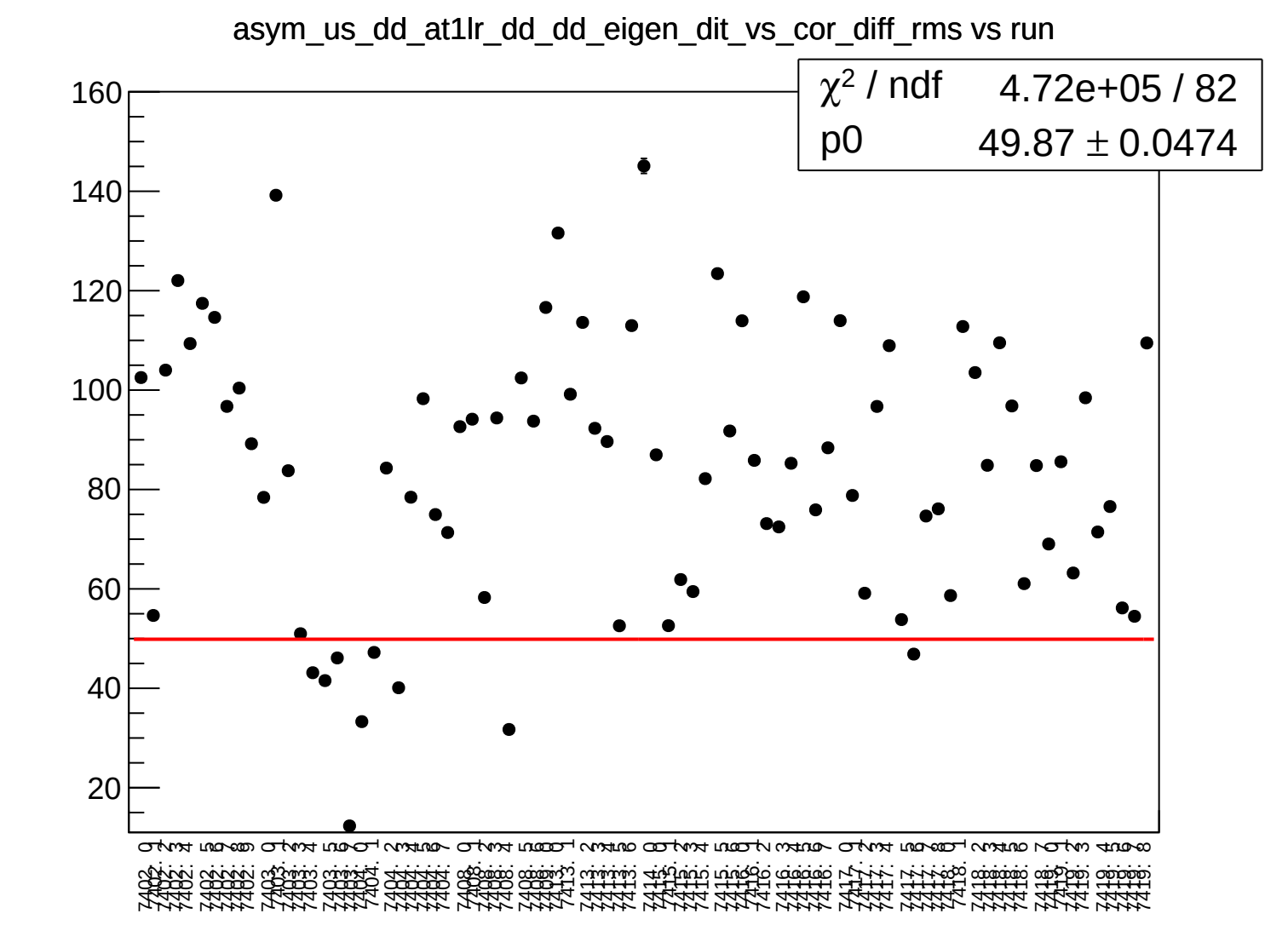

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.28 / 82
p0 1.241e−06 ± 3.539e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 376.8
Std Dev 0
2
1
0
−1
−2

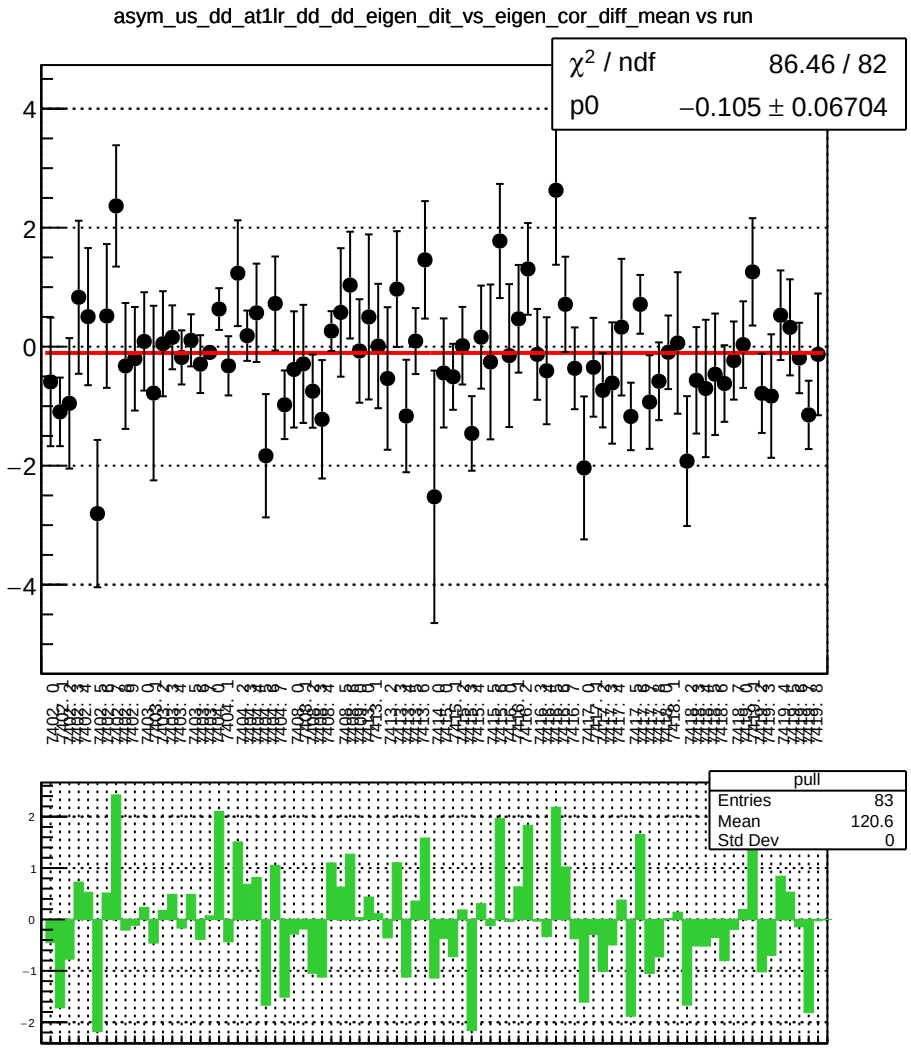

pull1D
Entries 83
Mean 0.005425
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

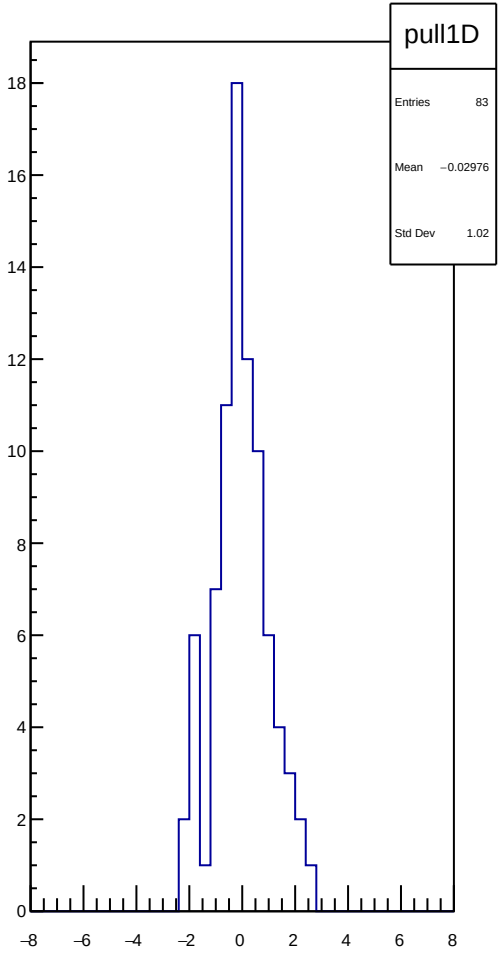

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.568e+04 / 82
p0 0.003109 ± 2.503e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

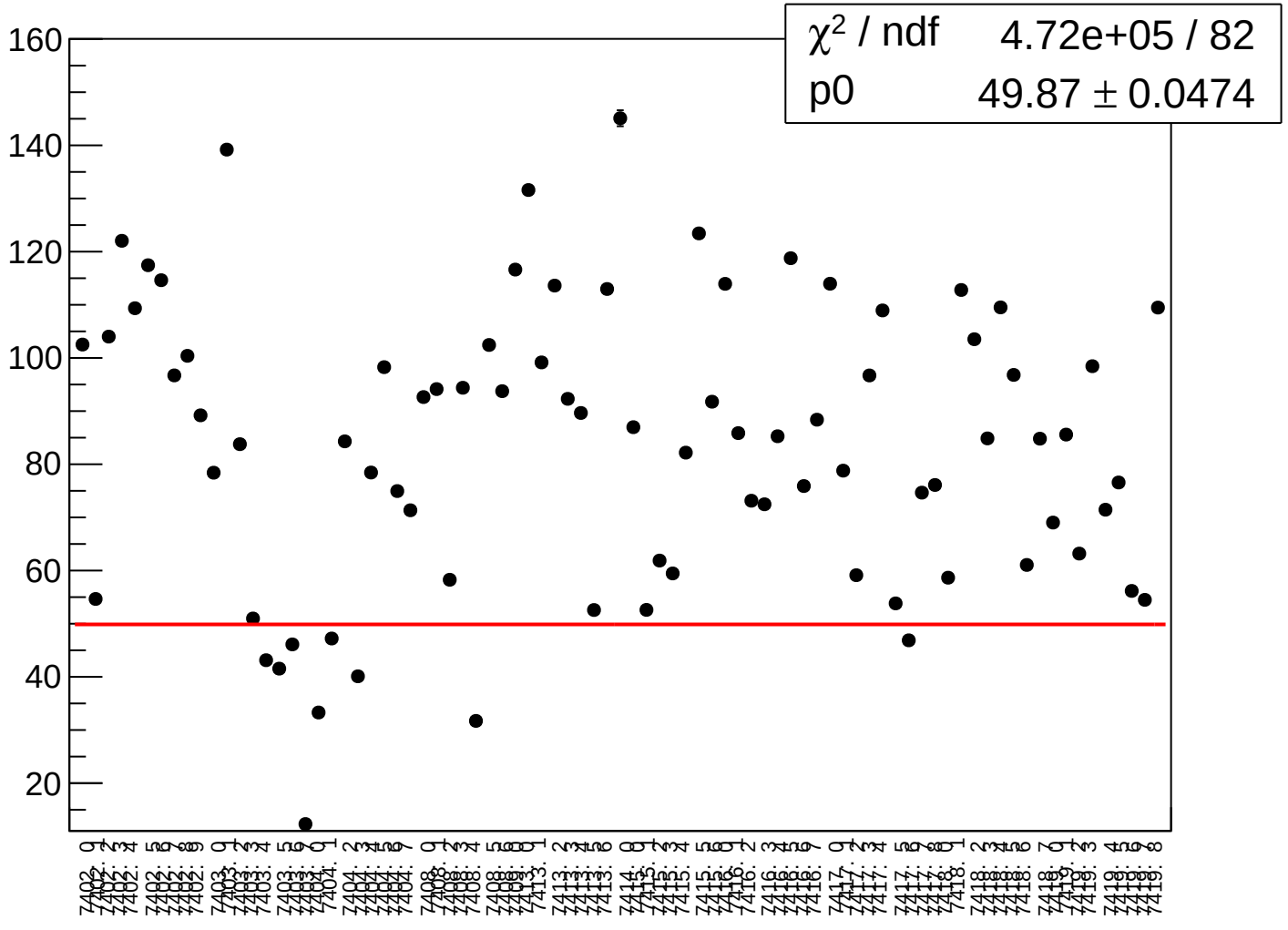

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.46 / 82
p0 −0.105 ± 0.06704
pull
Entries 83
Mean 120.6
Std Dev 0

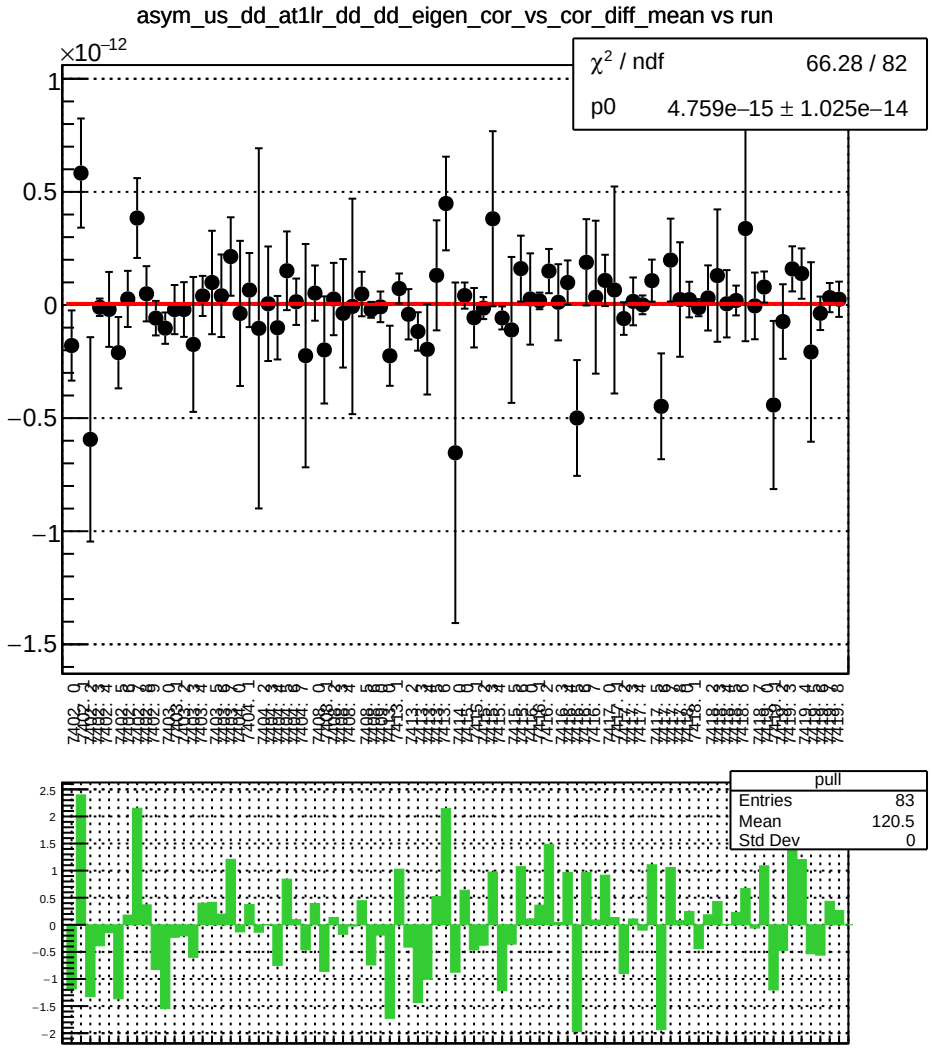

pull1D
Entries 83
Mean −0.02976
Std Dev 1.02

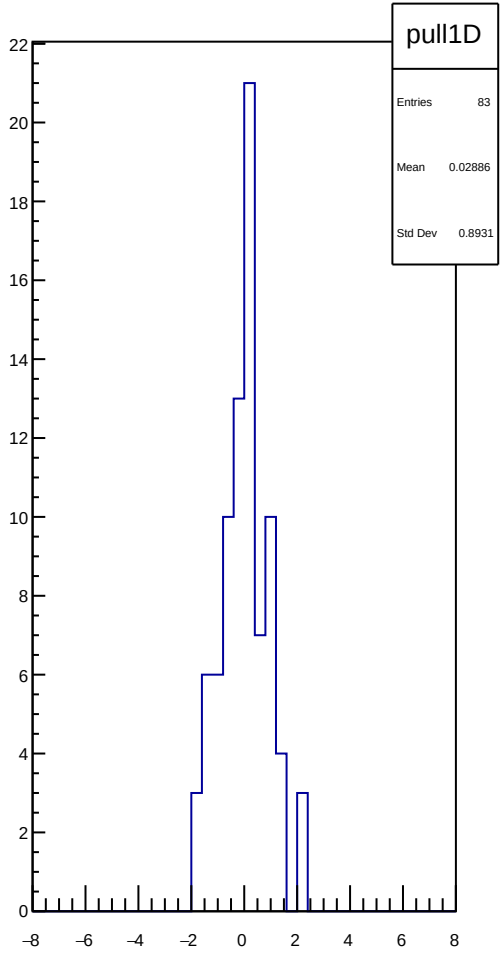

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.72e+05 / 82
p0 49.87 ± 0.0474
160
140
120
100
80
60
40
20

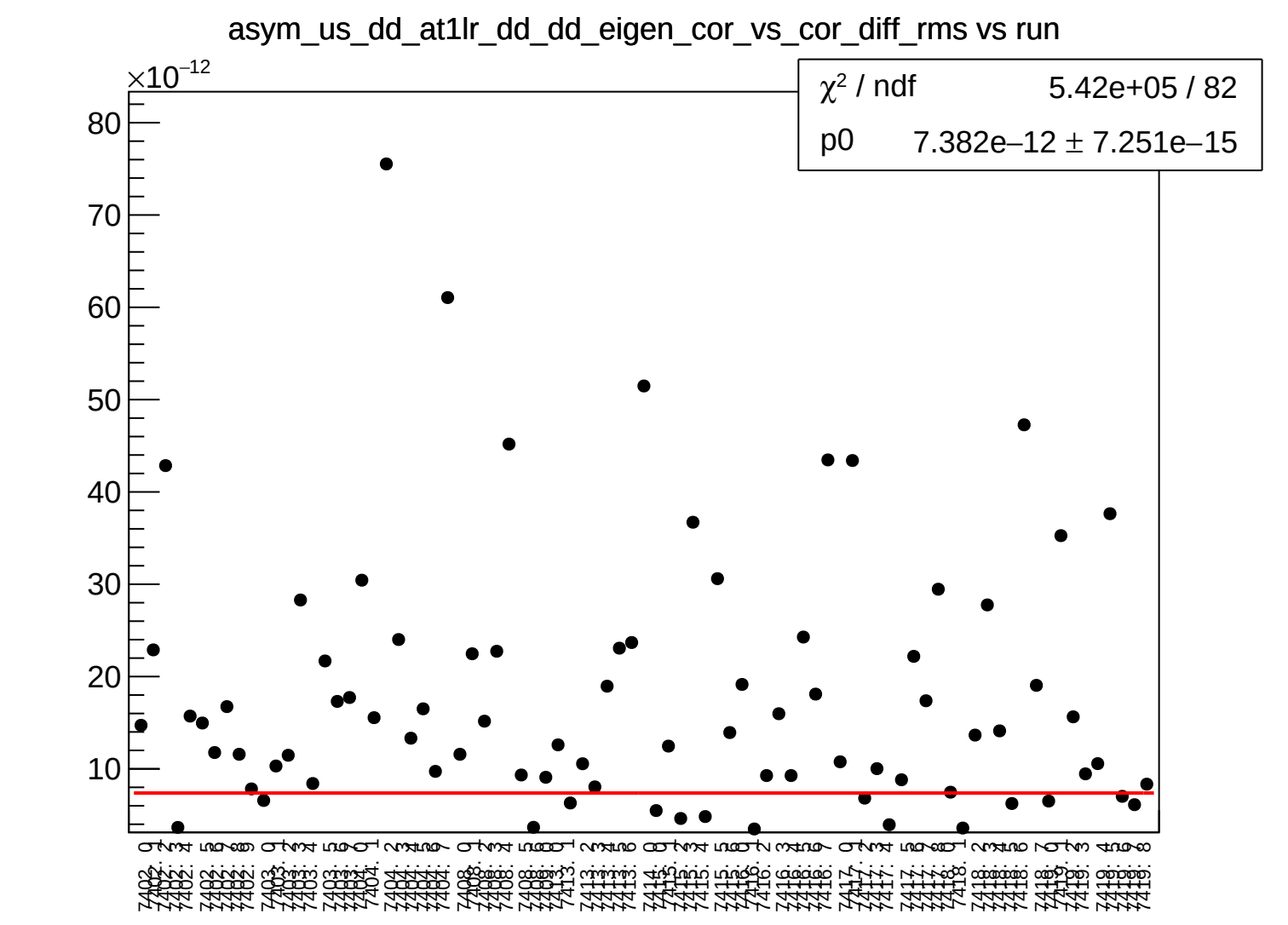

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.46 / 82
p0 −0.105 ± 0.06704
pull
Entries 83
Mean 120.6
Std Dev 0

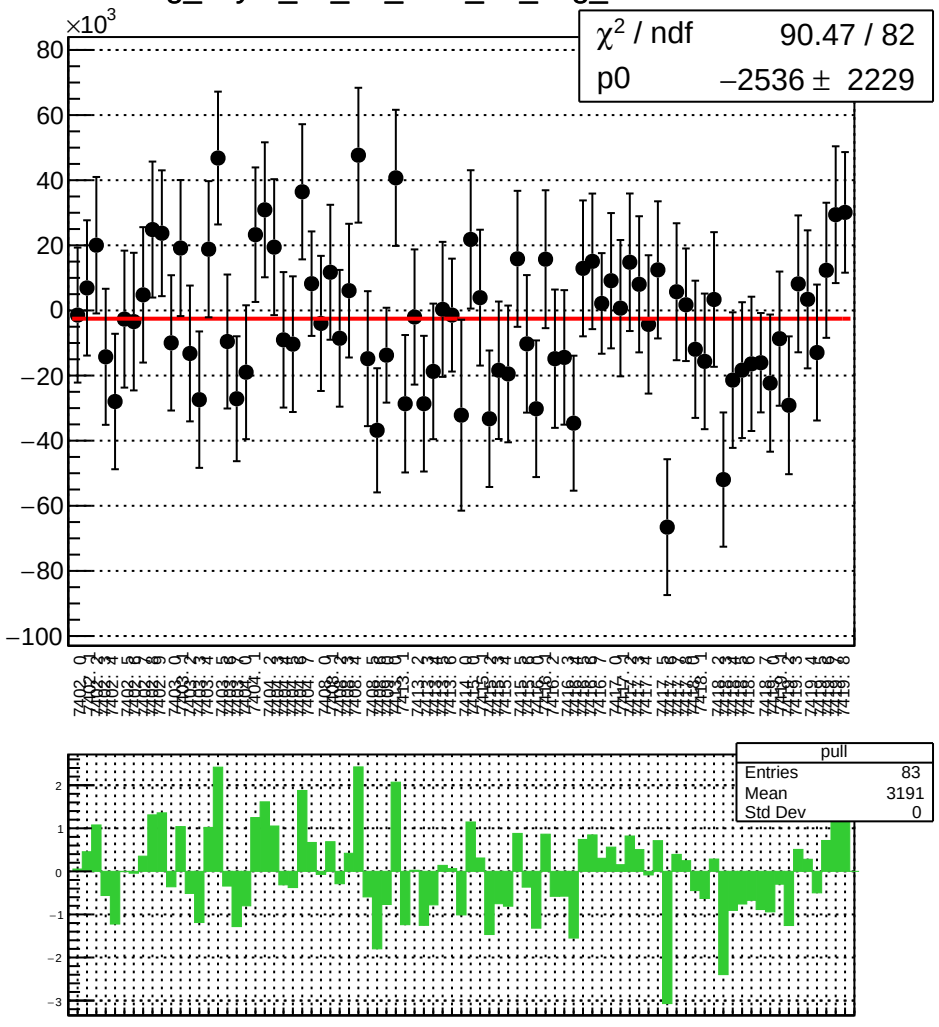

pull1D
Entries 83
Mean −0.02976
Std Dev 1.02

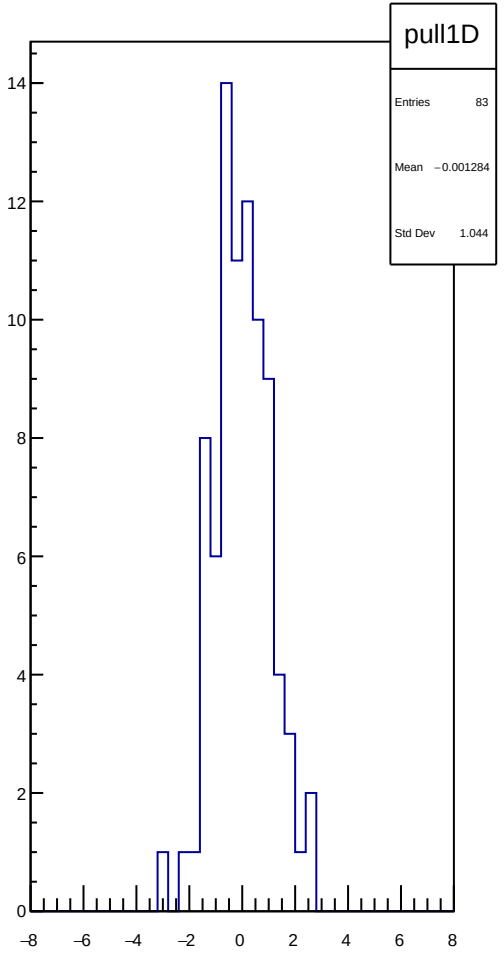

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.72e+05 / 82
p0 49.87 ± 0.0474
160
140
120
100
80
60
40
20

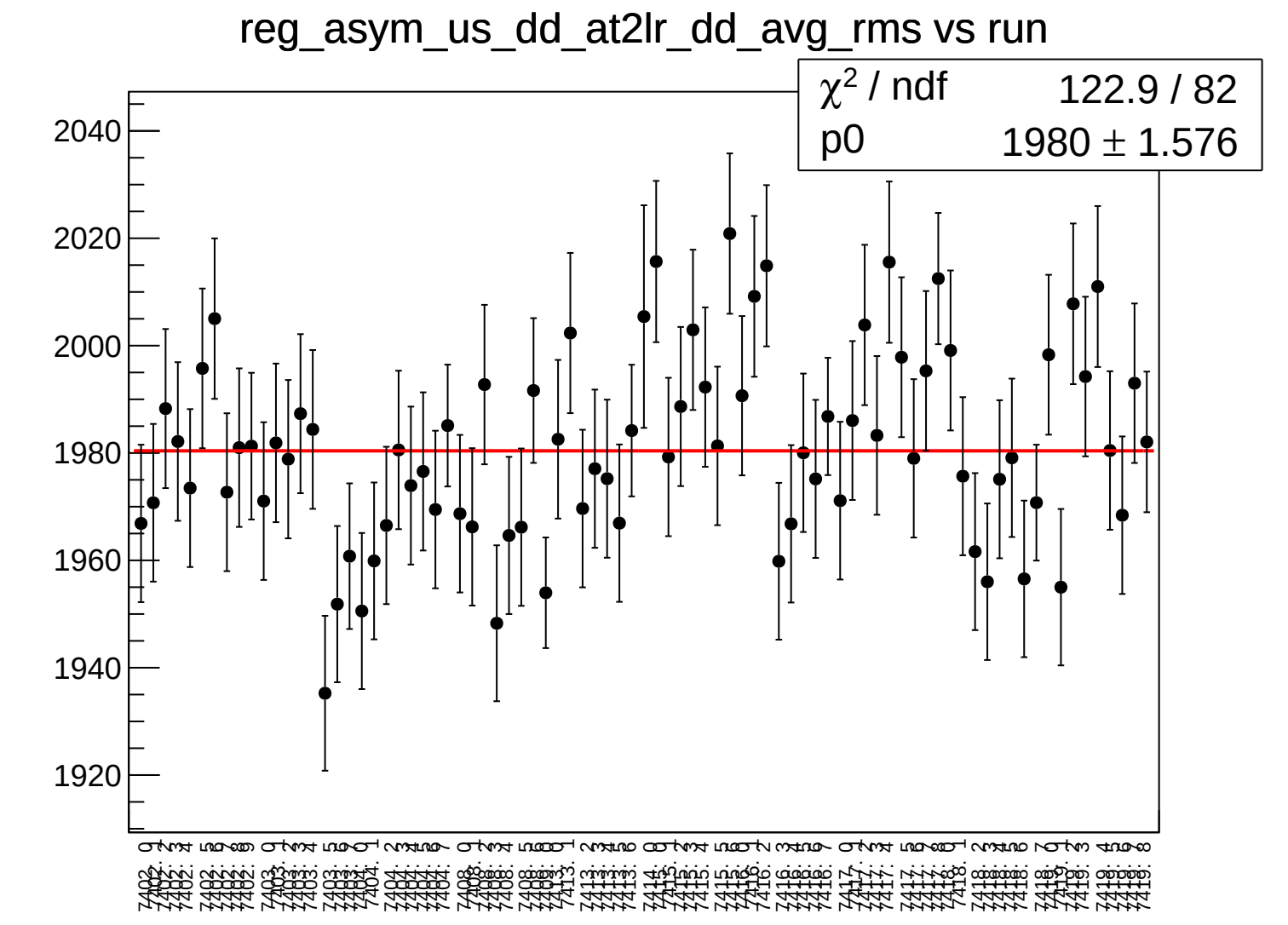

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.28 / 82
p0 4.759e−15 ± 1.025e−14
pull
Entries 83
Mean 120.5
Std Dev 0

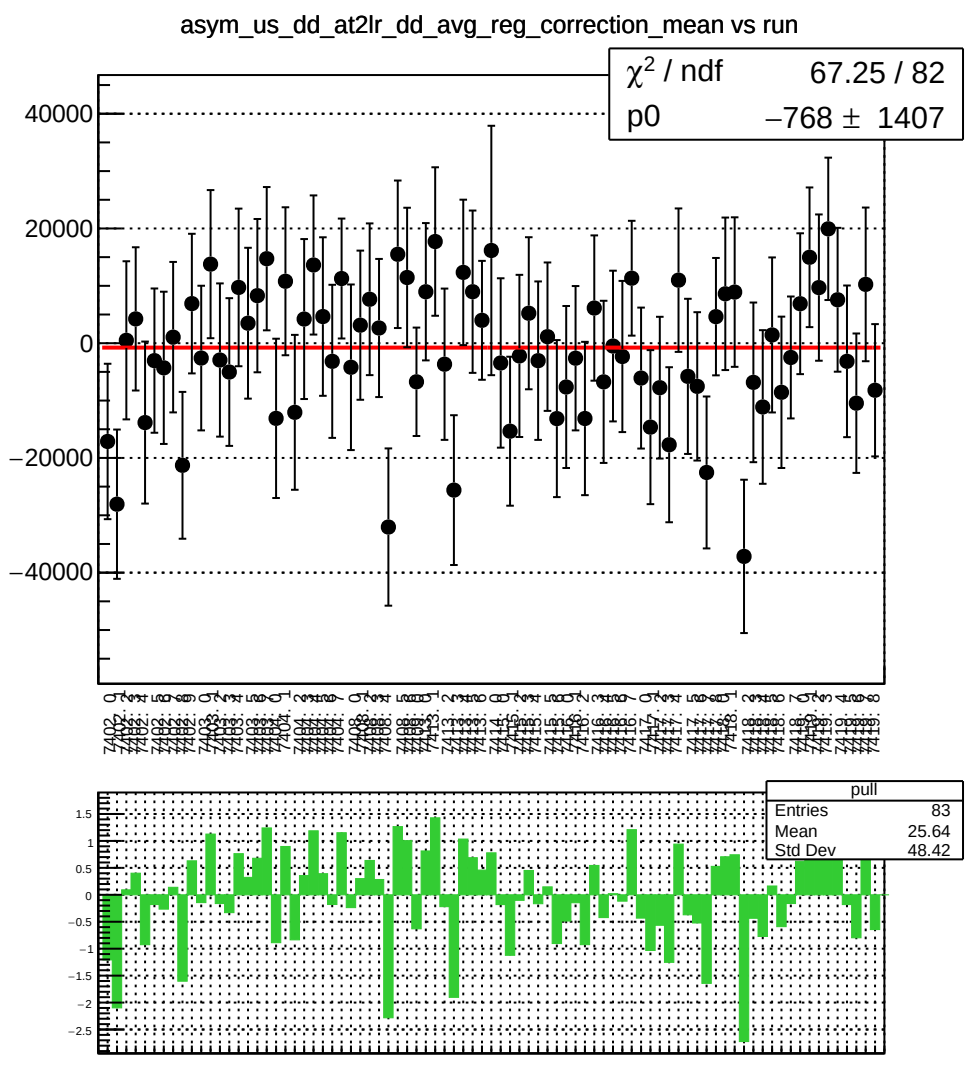

pull1D
Entries 83
Mean 0.02886
Std Dev 0.8931

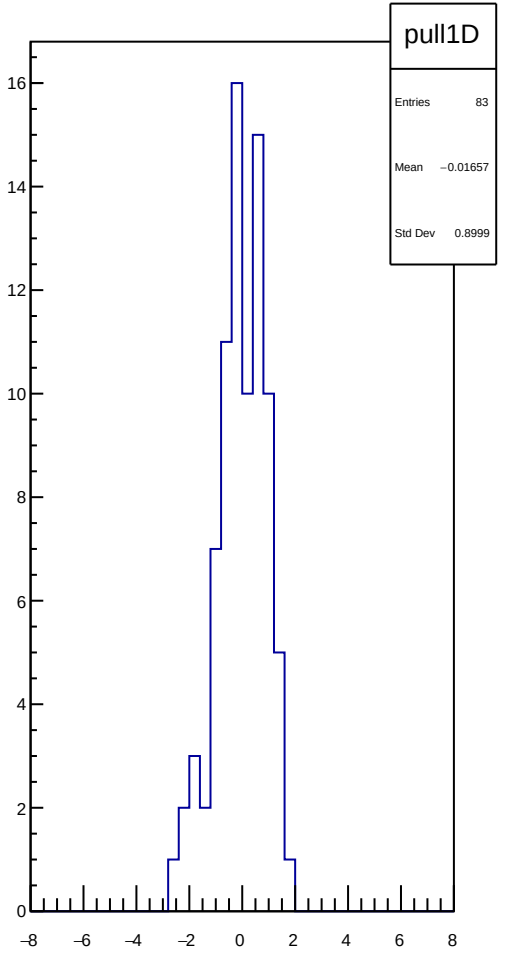

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.42e+05 / 82
p0 7.382e−12 ± 7.251e−15
80
70
60
50
40
30
20
10

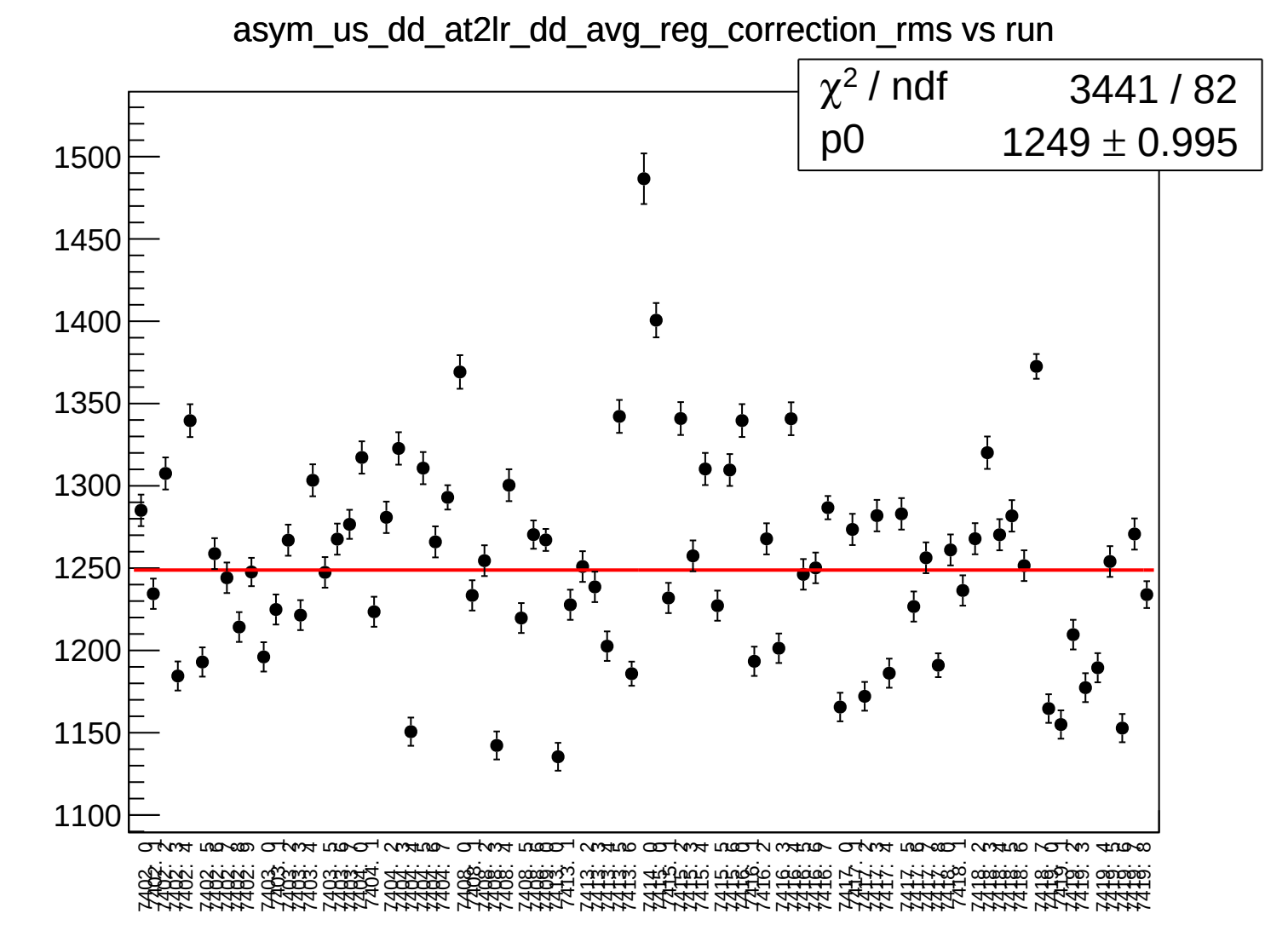

reg_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 90.47 / 82
p0 −2536 ± 2229
pull
Entries 83
Mean 3191
Std Dev 0

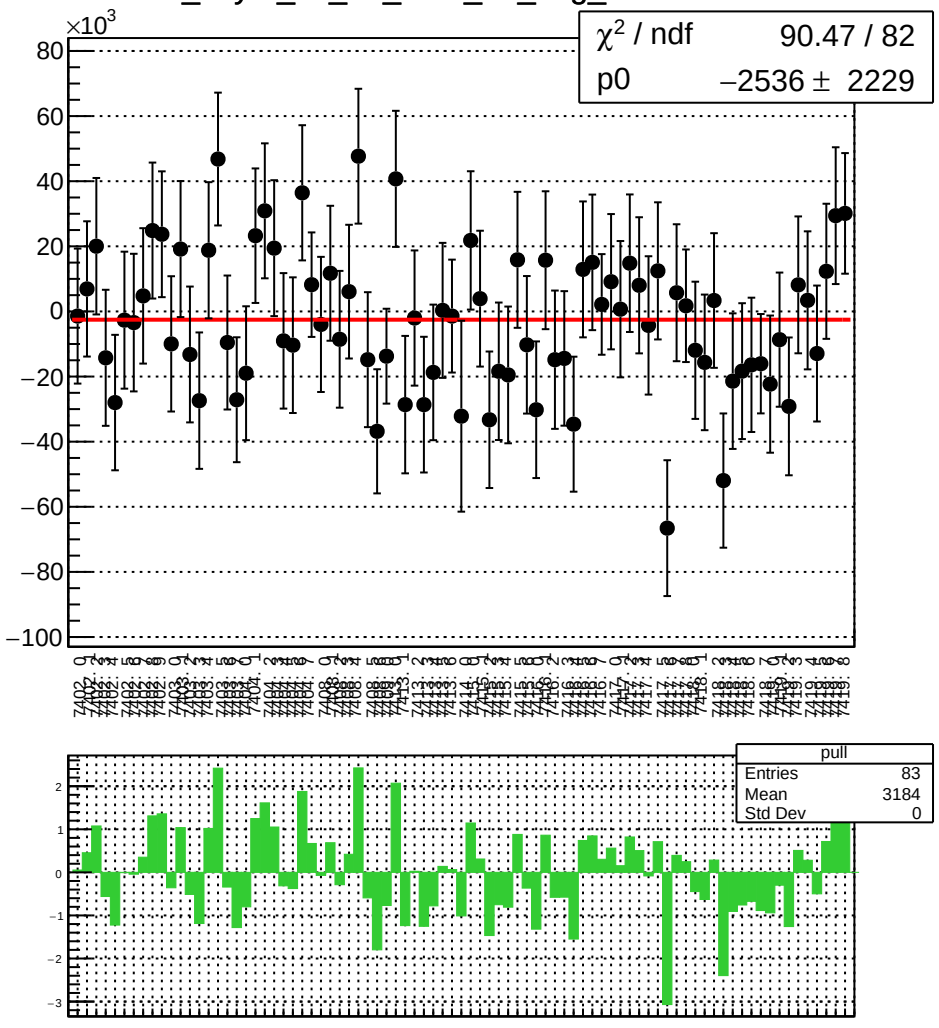

pull1D
Entries 83
Mean −0.001284
Std Dev 1.044

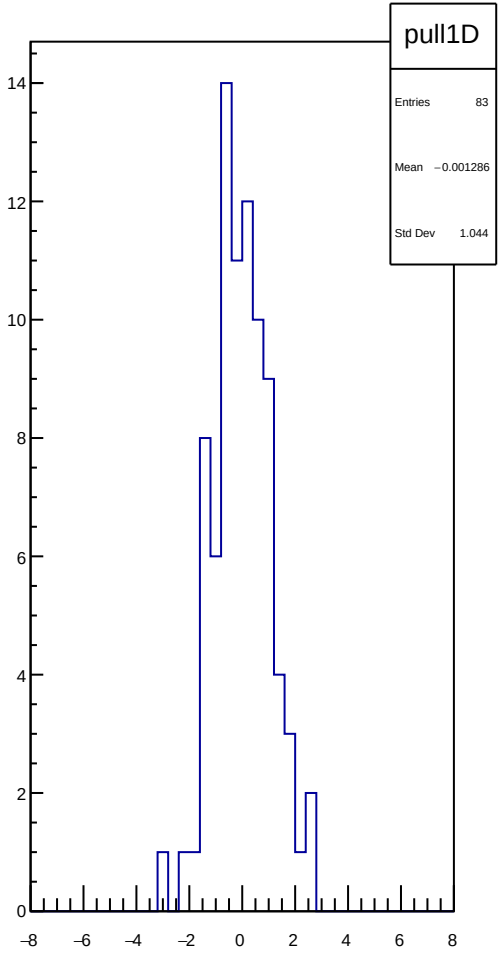

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 122.9 / 82
p0 1980 ± 1.576
2040
2020
2000
1980
1960
1940
1920

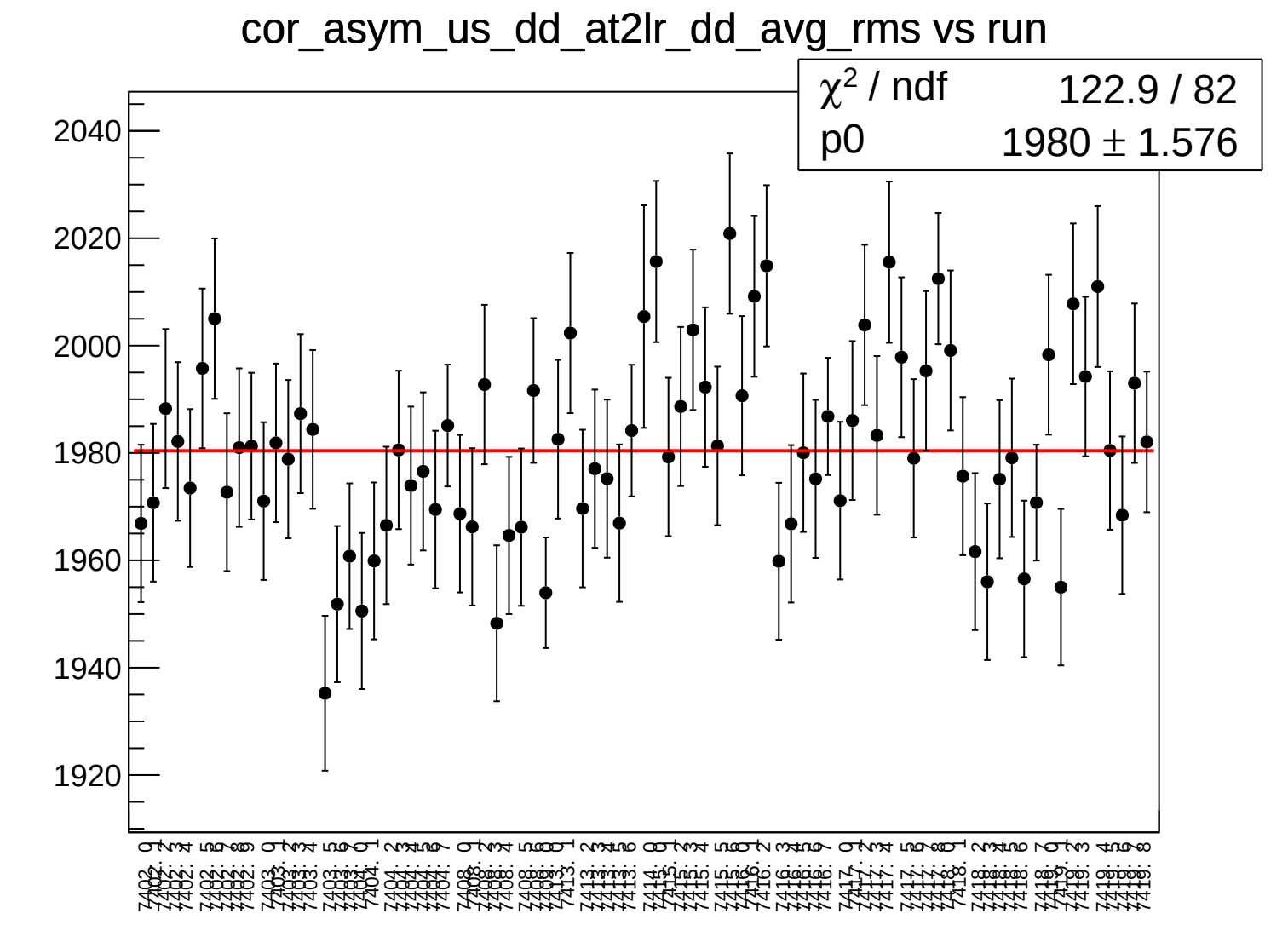

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 67.25 / 82
p0 −768 ± 1407
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 25.64
Std Dev 48.42
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

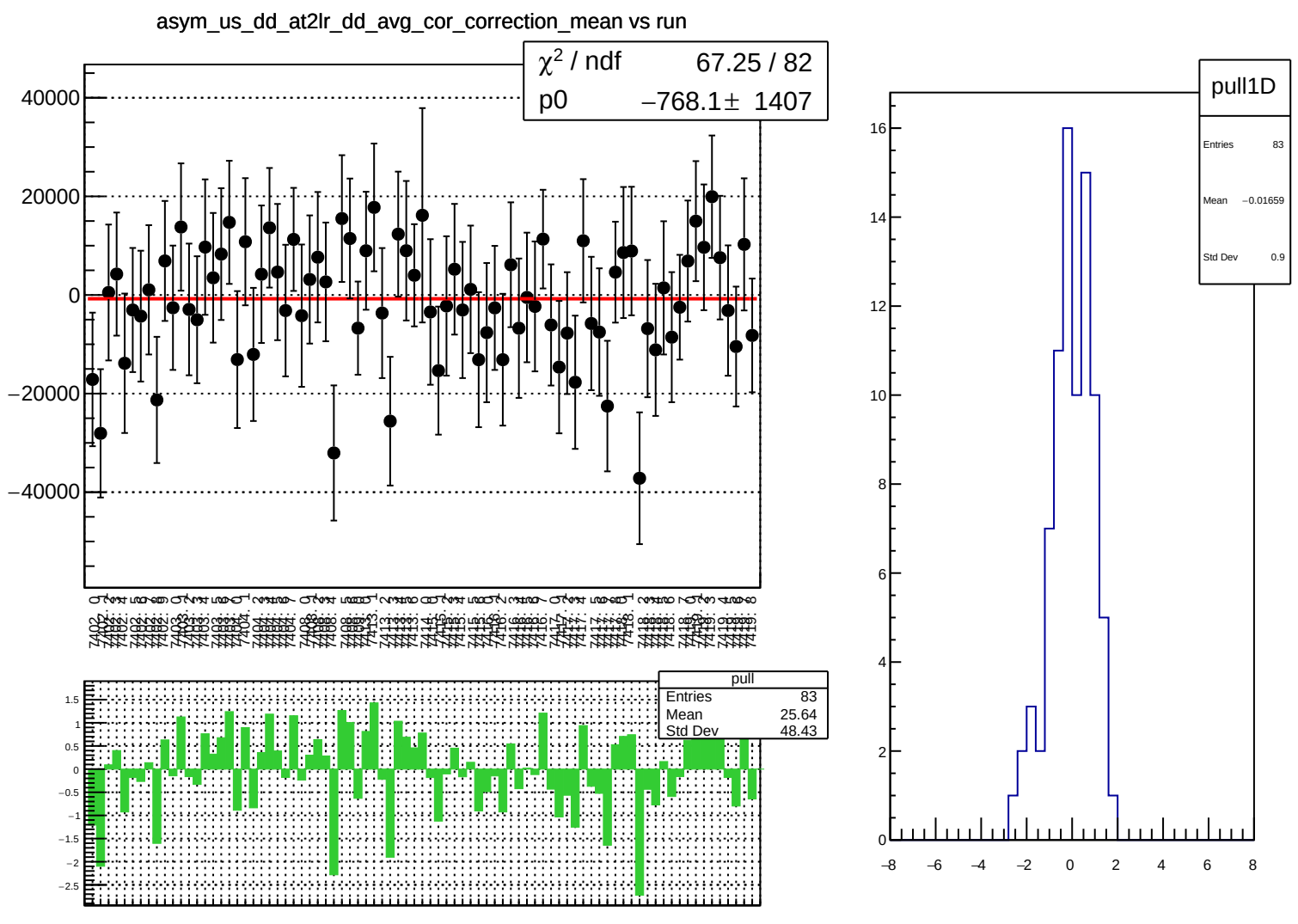

pull1D
Entries 83
Mean −0.01657
Std Dev 0.8999
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

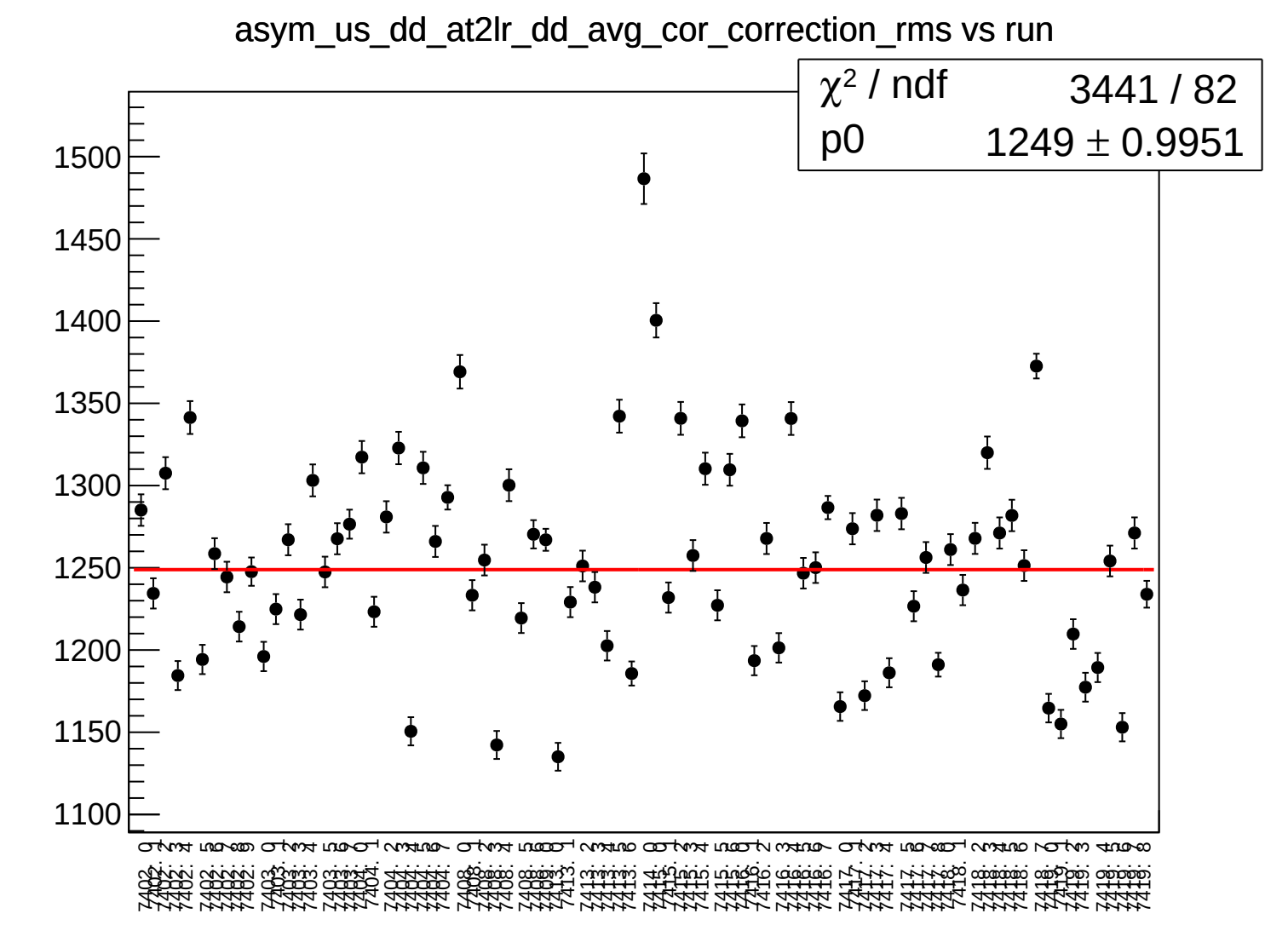

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ^2 / ndf 3441 / 82
p0 1249 ± 0.995
1500
1450
1400
1350
1300
1250
1200
1150
1100

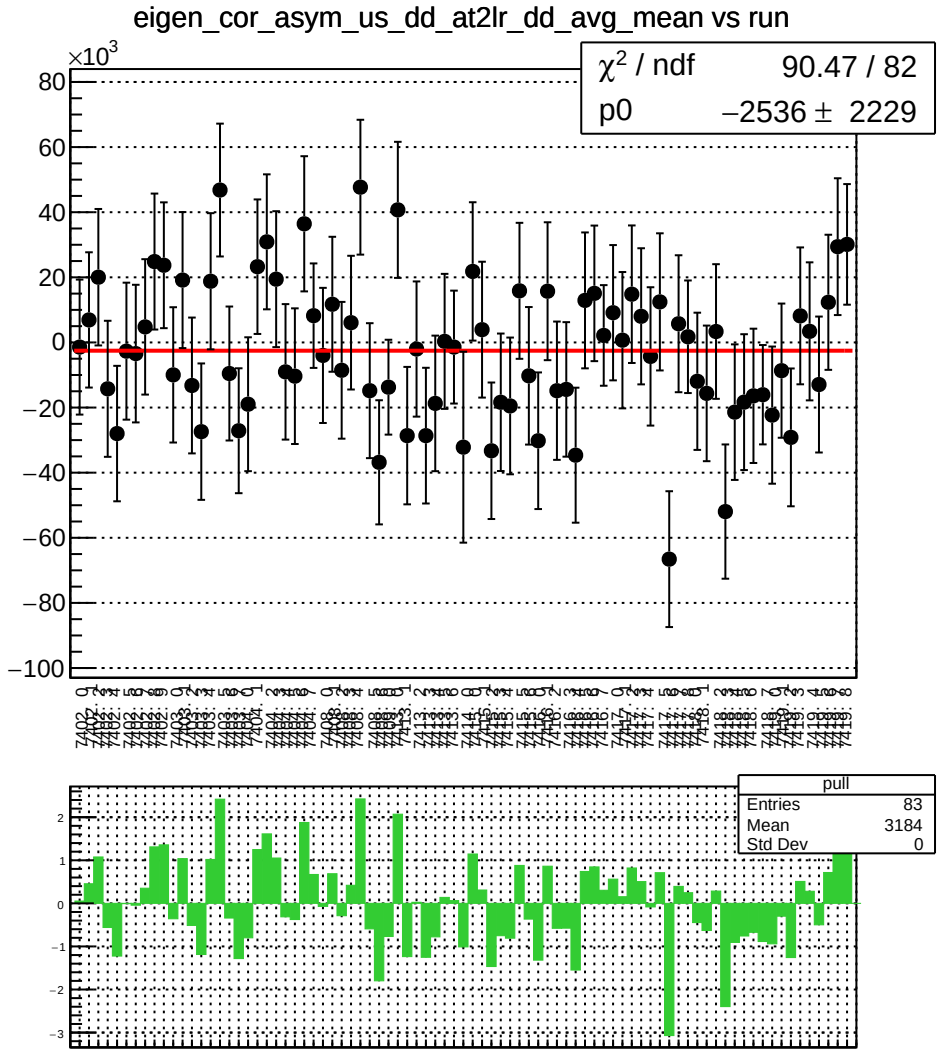

cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 90.47 / 82
p0 −2536 ± 2229
pull
Entries 83
Mean 3184
Std Dev 0

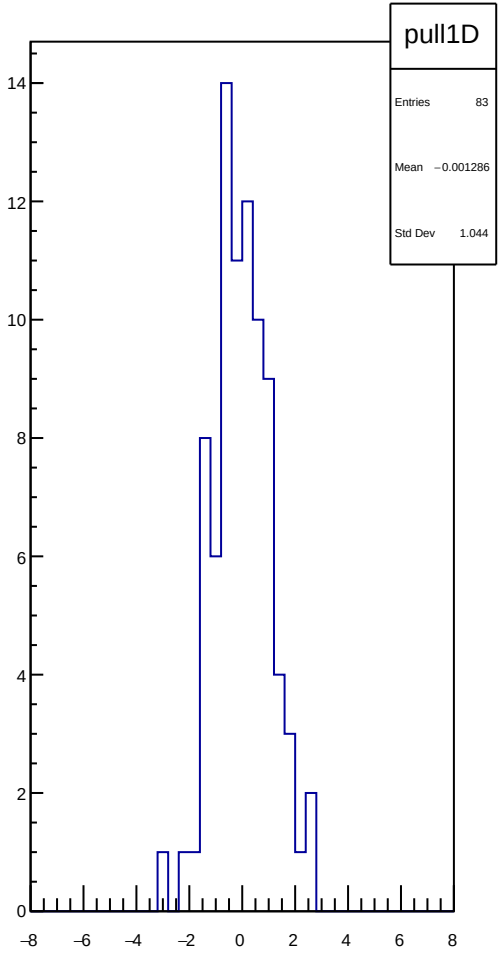

pull1D
Entries 83
Mean −0.001286
Std Dev 1.044

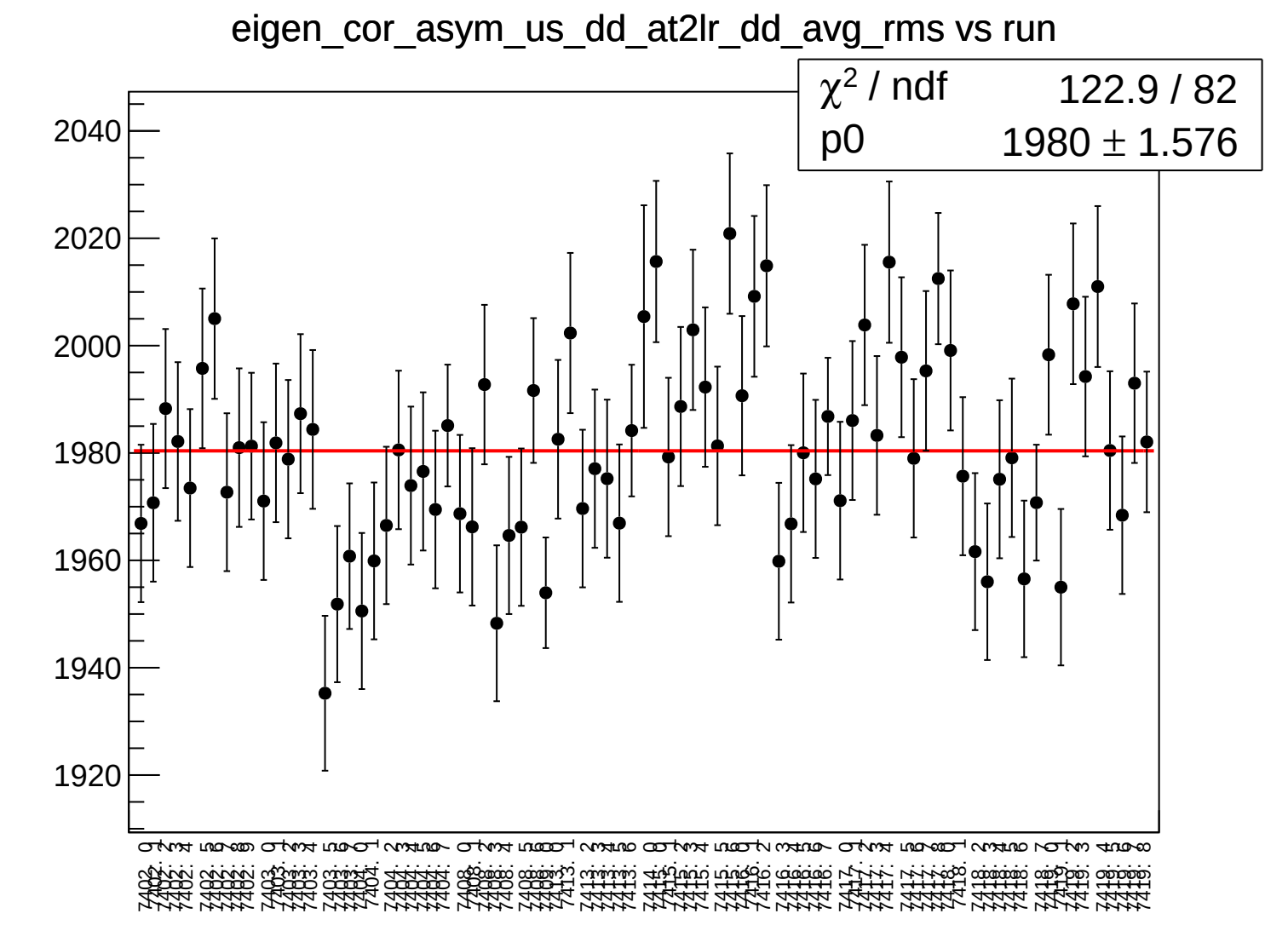

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 122.9 / 82
p0 1980 ± 1.576
2040
2020
2000
1980
1960
1940
1920

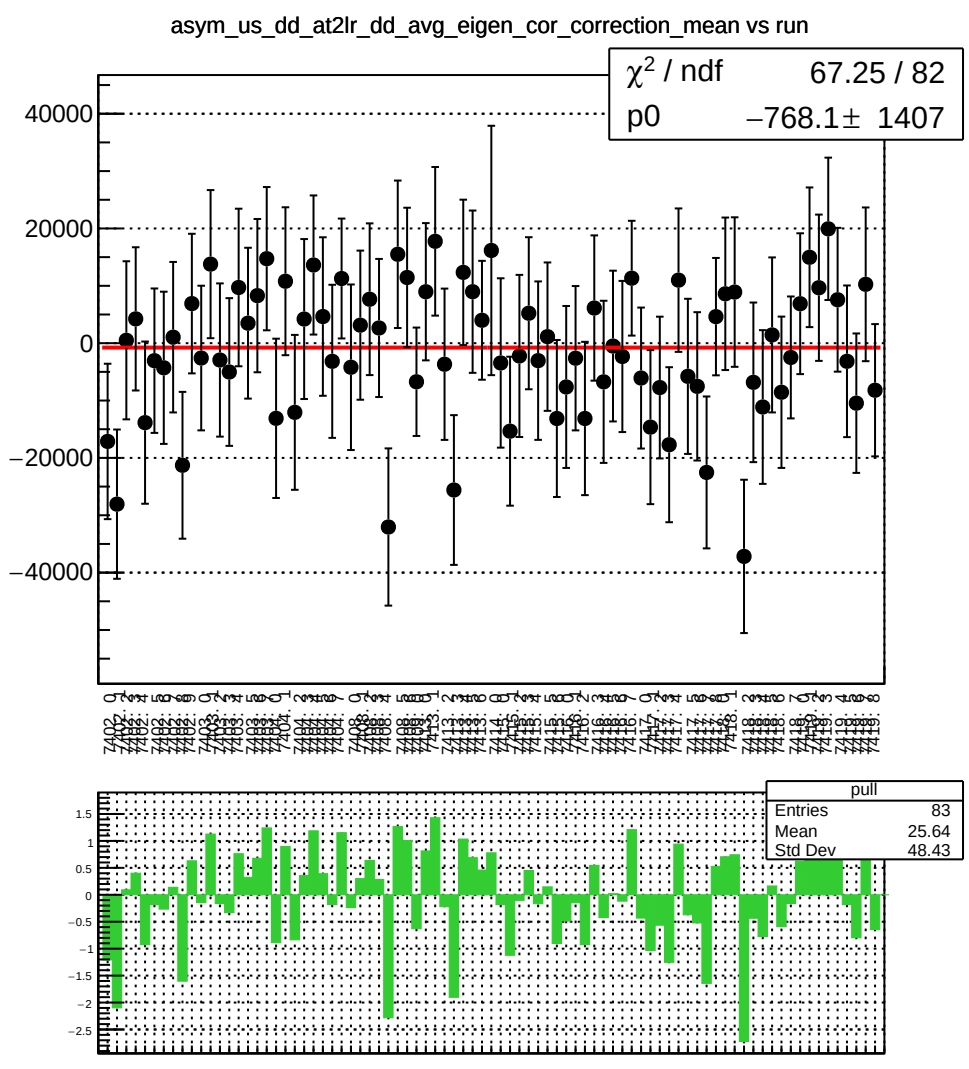

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
χ² / ndf 67.25 / 82
p0 −768.1± 1407
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 25.64
Std Dev 48.43
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean −0.01659
Std Dev 0.9
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

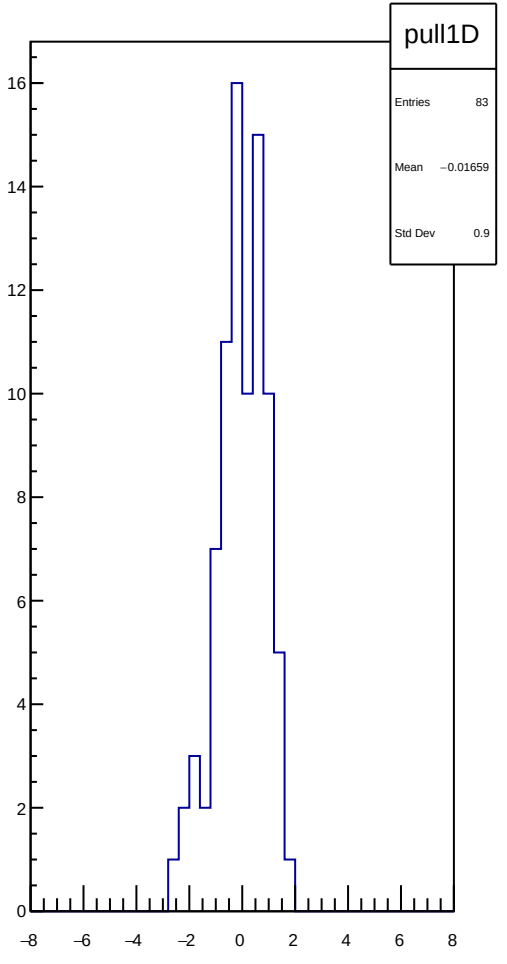

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3441 / 82
p0 1249 ± 0.9951
1500
1450
1400
1350
1300
1250
1200
1150
1100

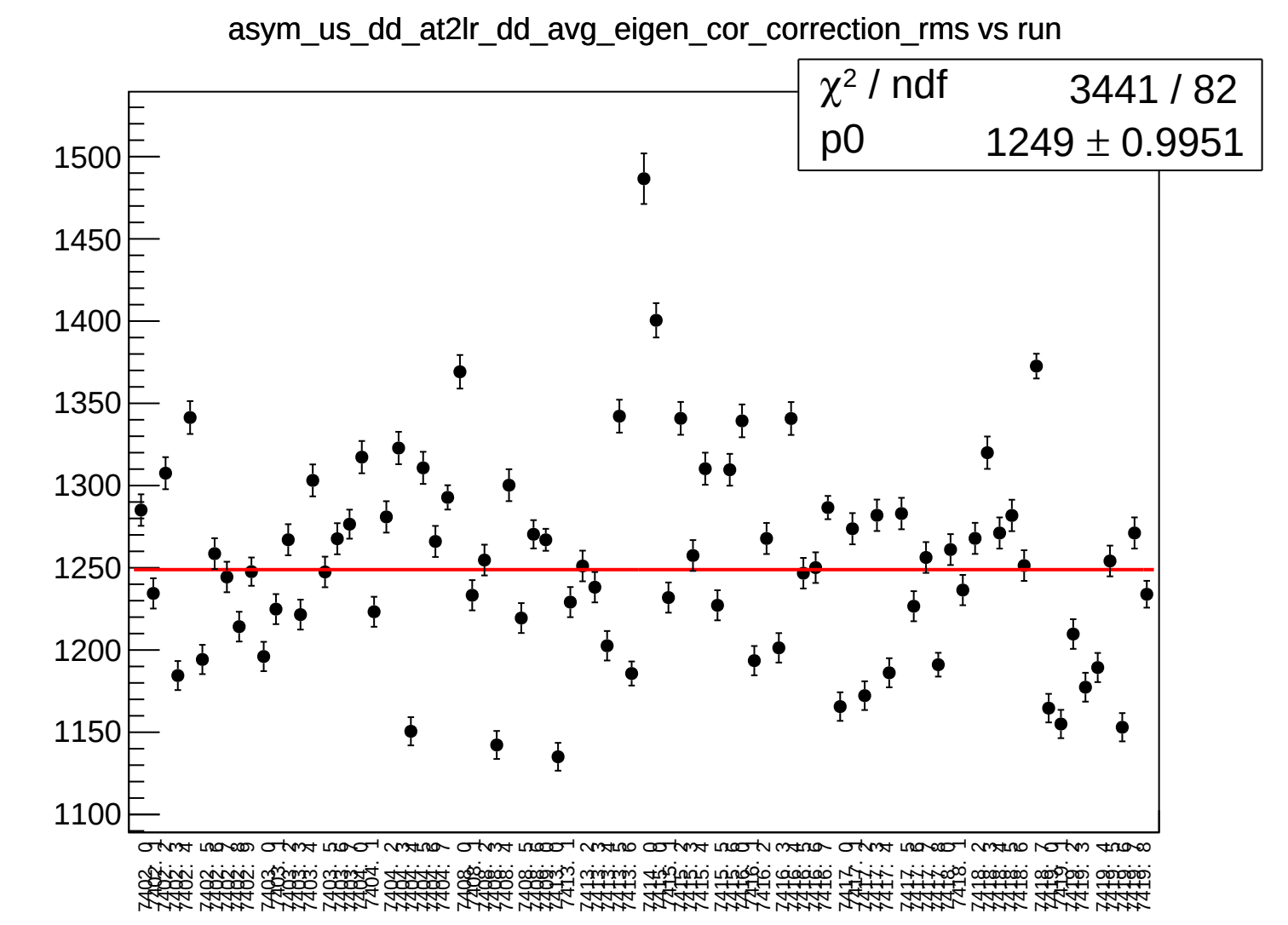

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 90.47 / 82
p0 −2536 ± 2229
pull
Entries 83
Mean 3184
Std Dev 0

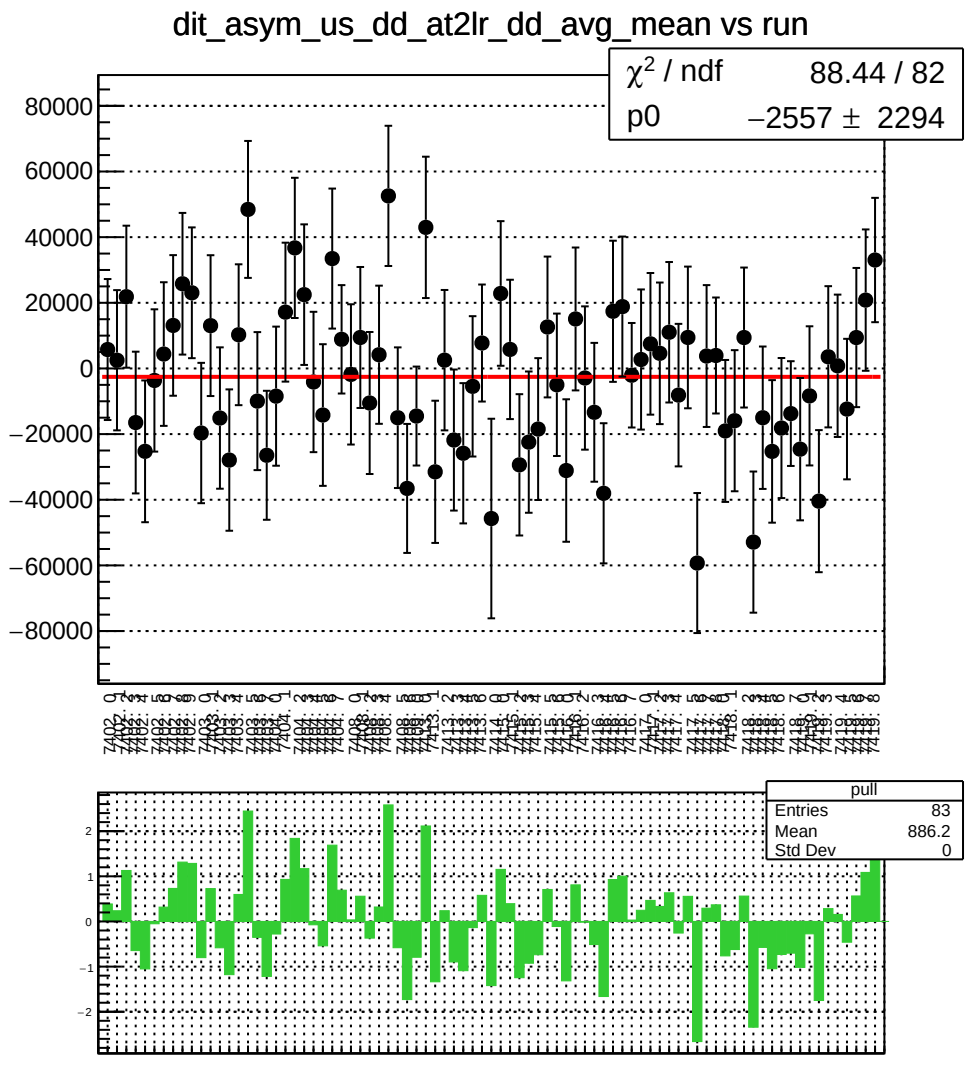

pull1D
Entries 83
Mean −0.001286
Std Dev 1.044

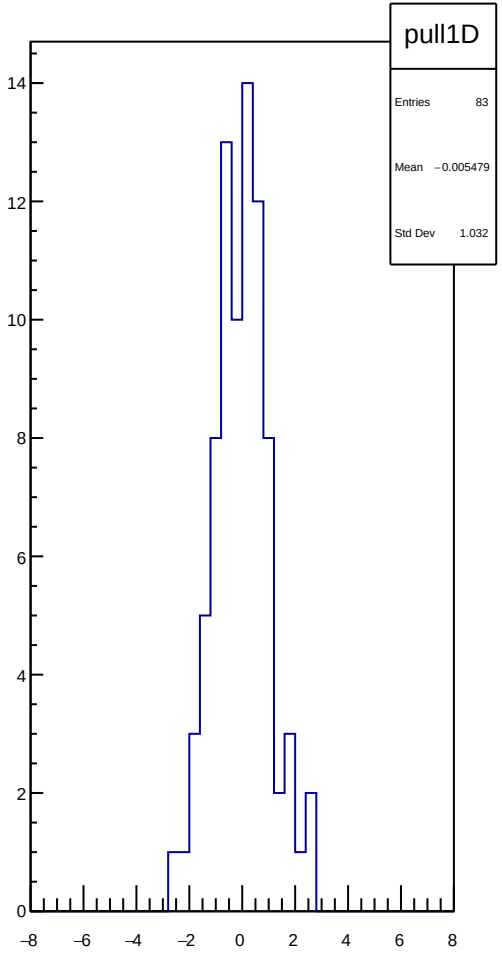

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 122.9 / 82
p0 1980 ± 1.576
2040
2020
2000
1980
1960
1940
1920

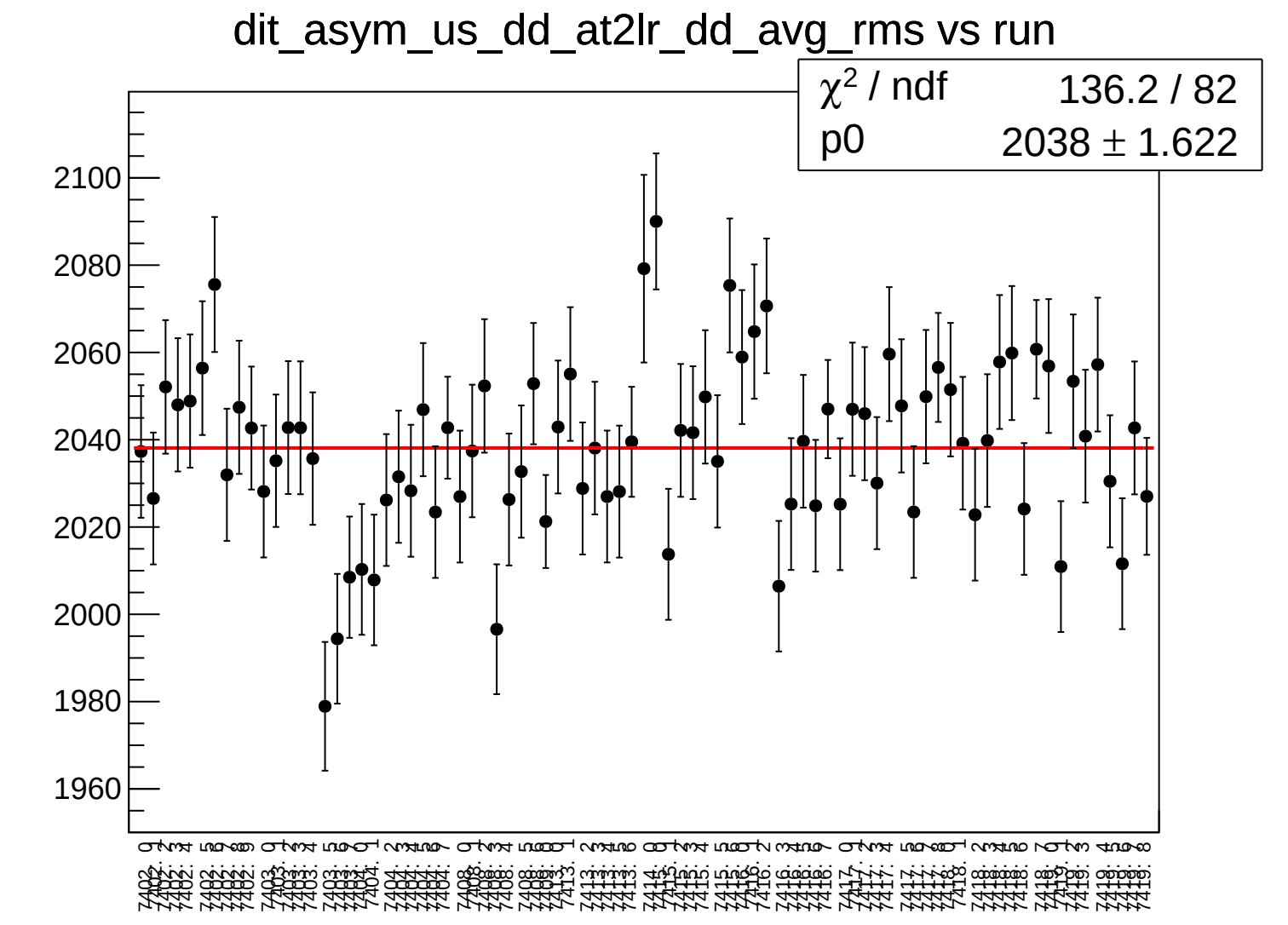

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 67.25 / 82
p0 −768.1± 1407
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 25.64
Std Dev 48.43
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

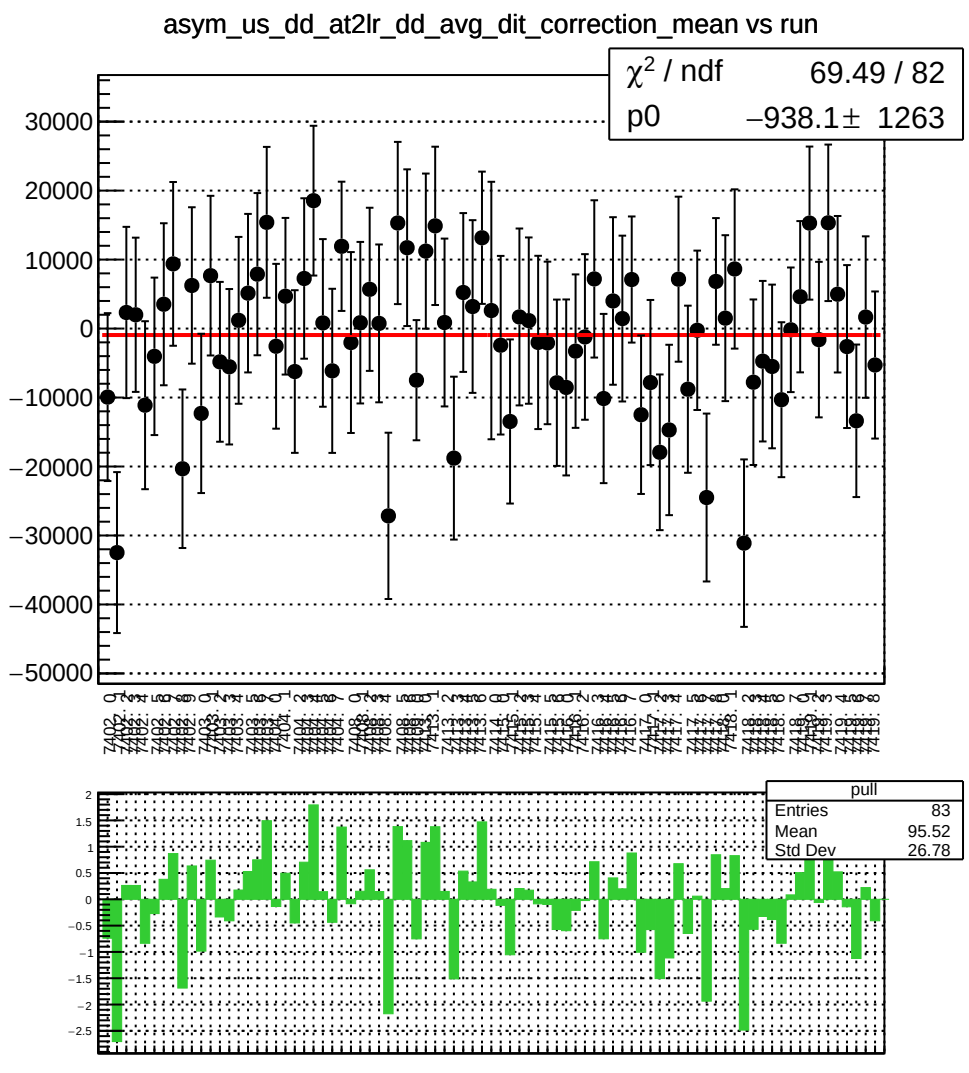

pull1D
Entries 83
Mean −0.01659
Std Dev 0.9
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

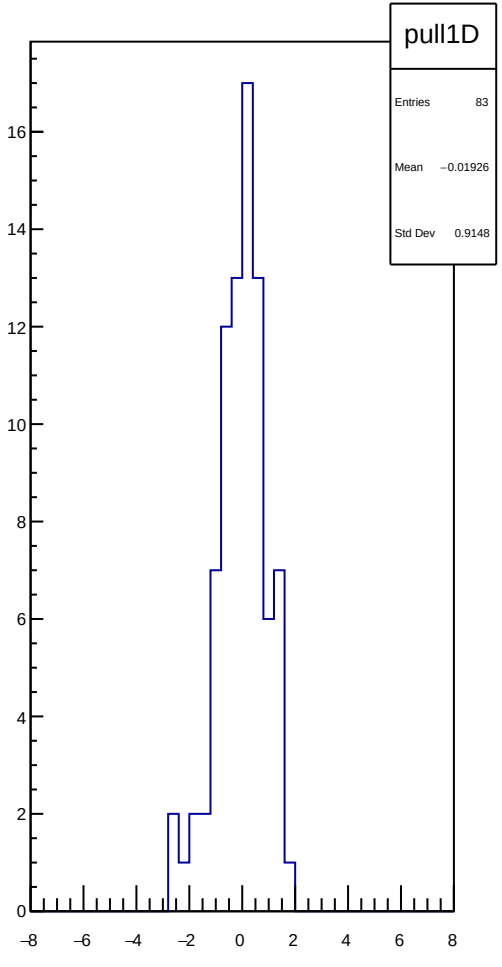

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3441 / 82
p0 1249 ± 0.9951
1500
1450
1400
1350
1300
1250
1200
1150
1100

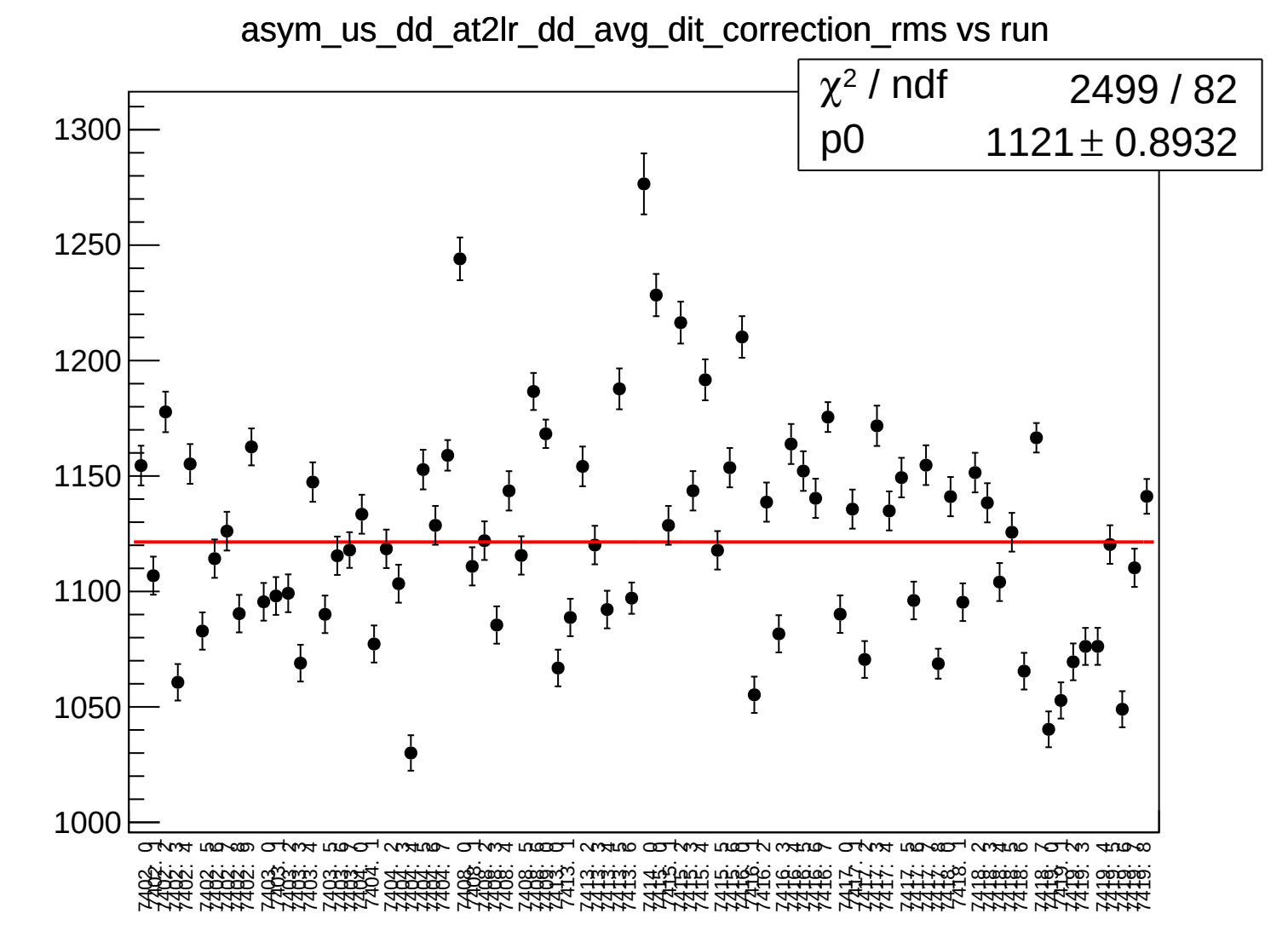

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 88.44 / 82
p0 −2557 ± 2294
pull
Entries 83
Mean 886.2
Std Dev 0

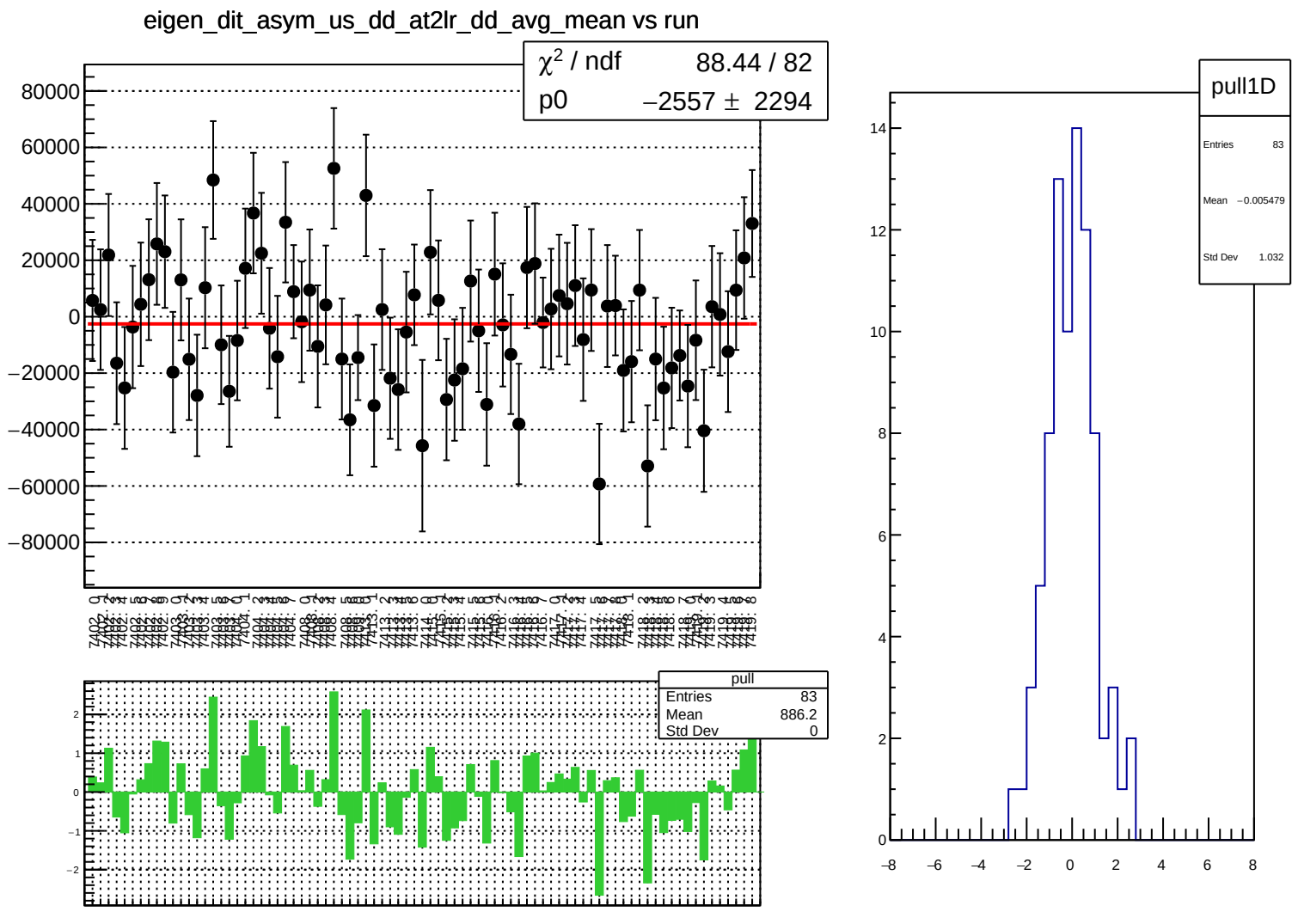

pull1D
Entries 83
Mean −0.005479
Std Dev 1.032

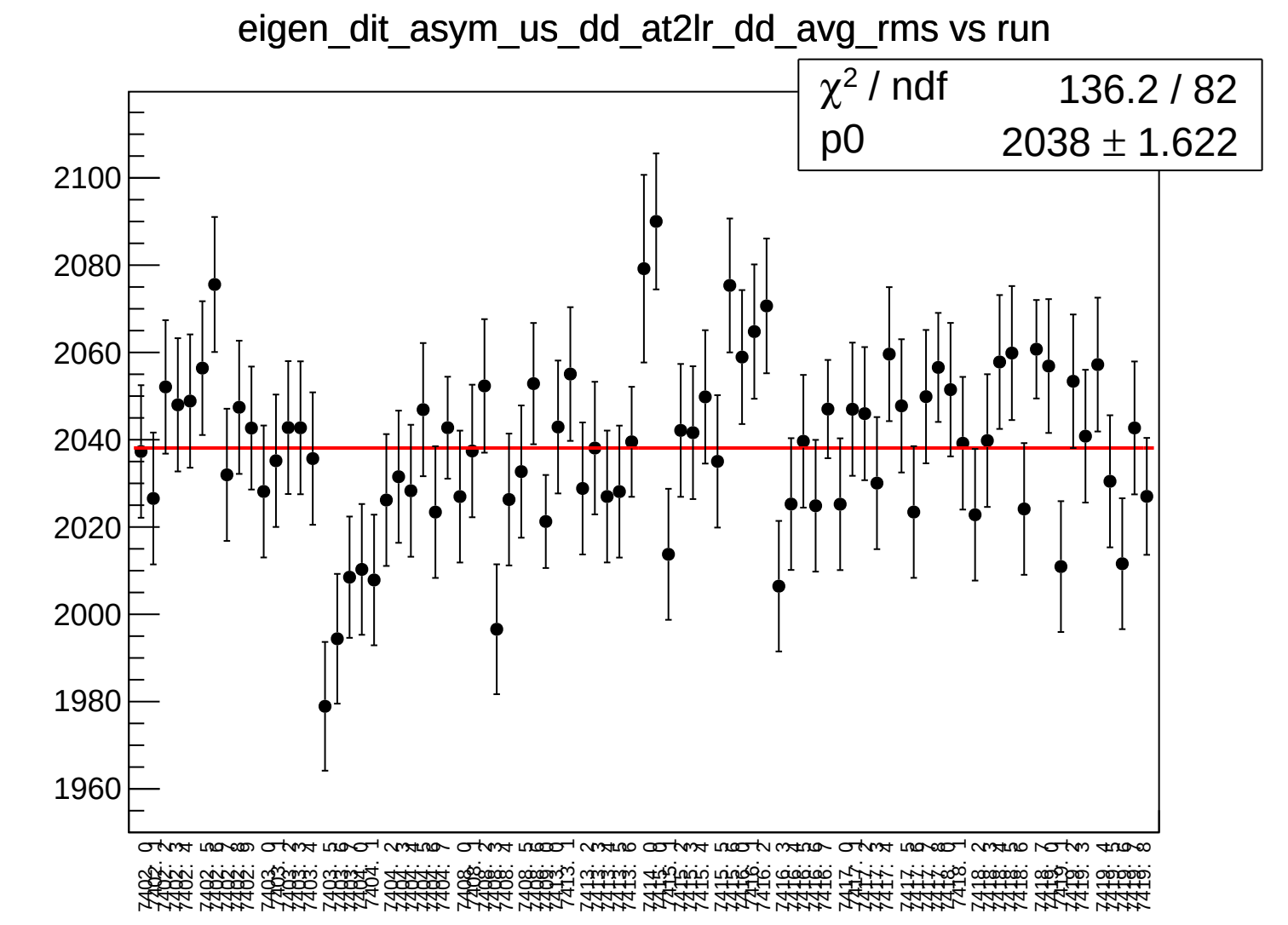

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 136.2 / 82
p0 2038 ± 1.622
2100
2080
2060
2040
2020
2000
1980
1960

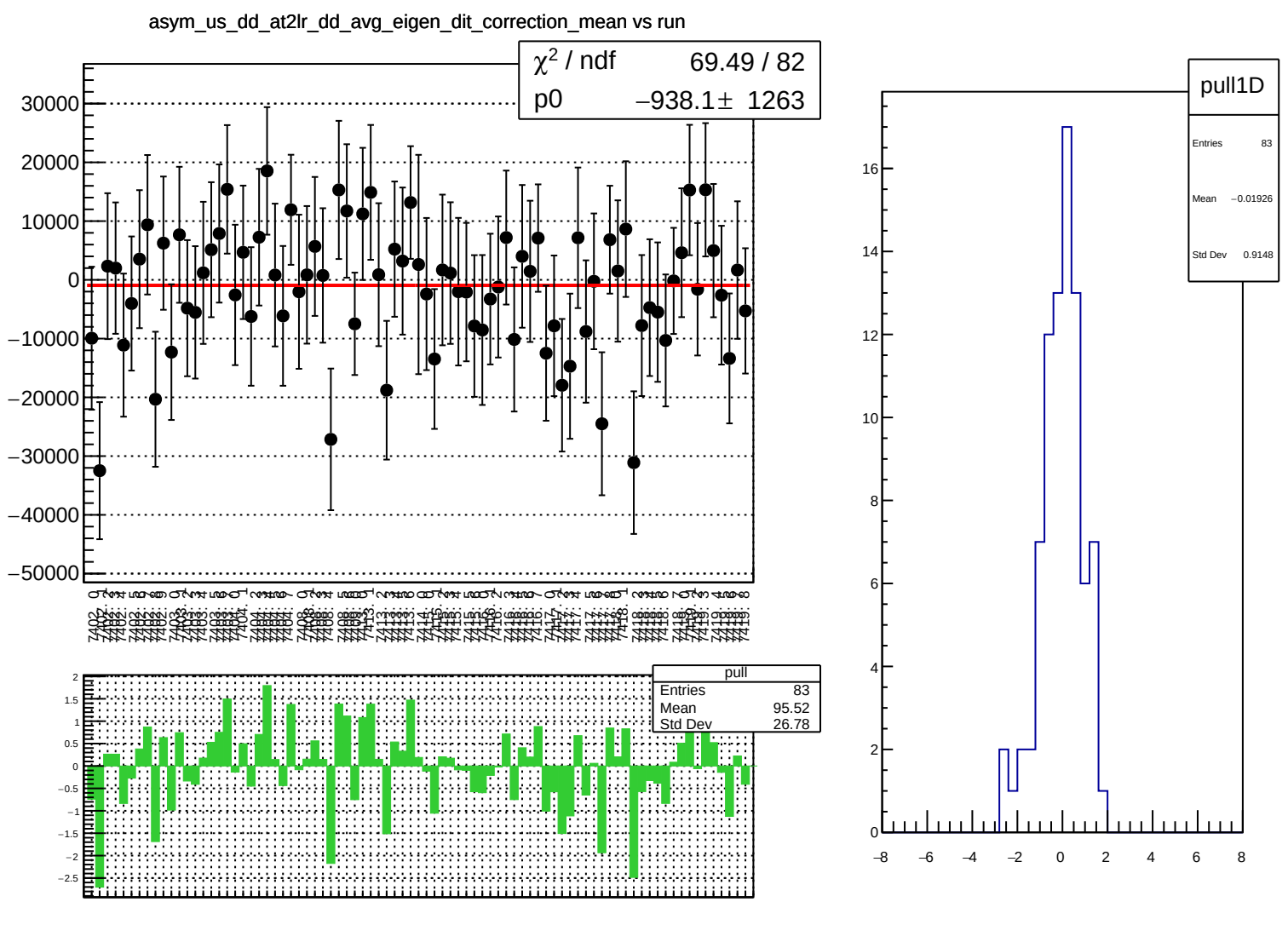

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
χ² / ndf 69.49 / 82
p0 −938.1± 1263
pull
Entries 83
Mean 95.52
Std Dev 26.78

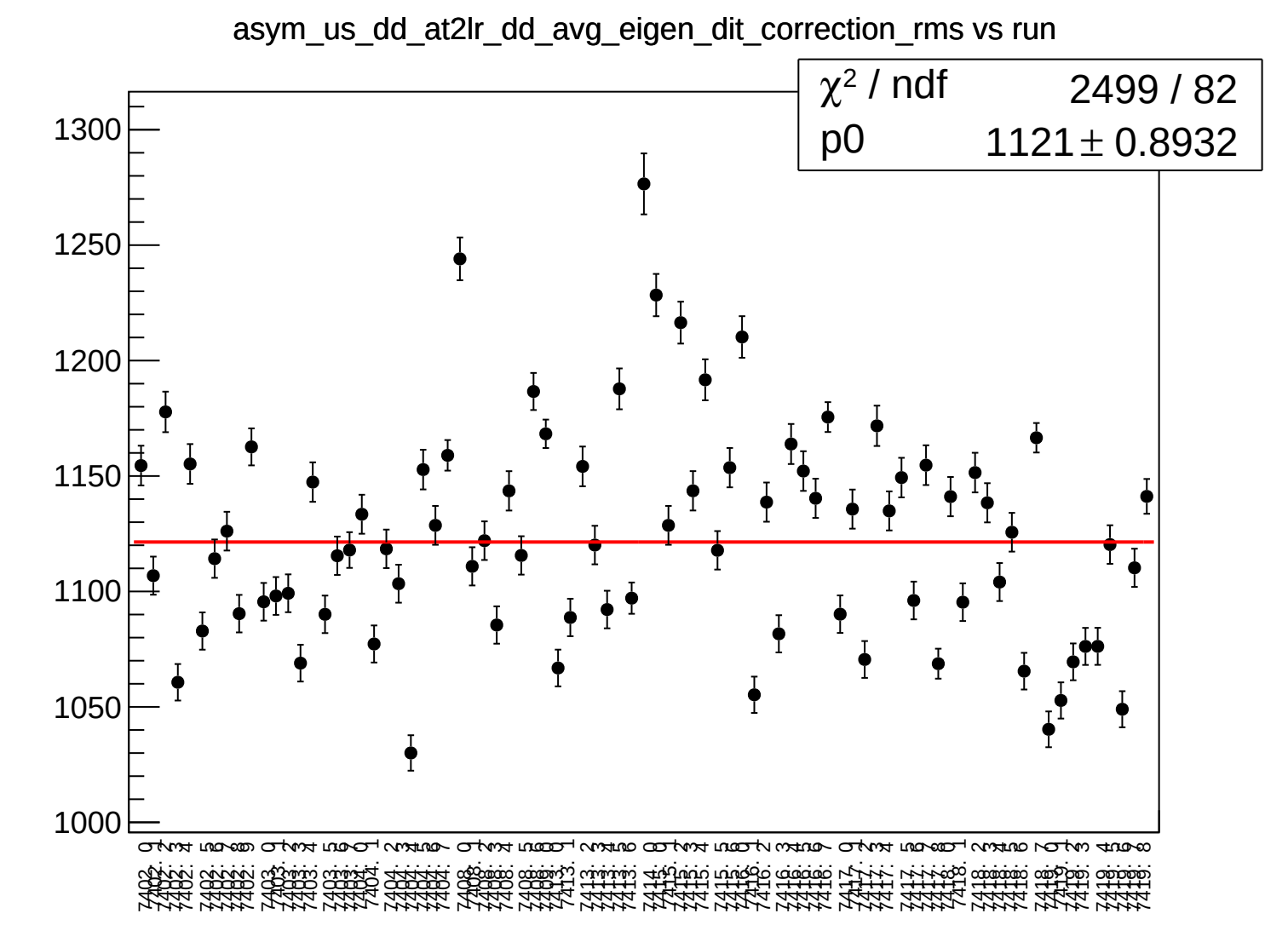

pull1D
Entries 83
Mean −0.01926
Std Dev 0.9148

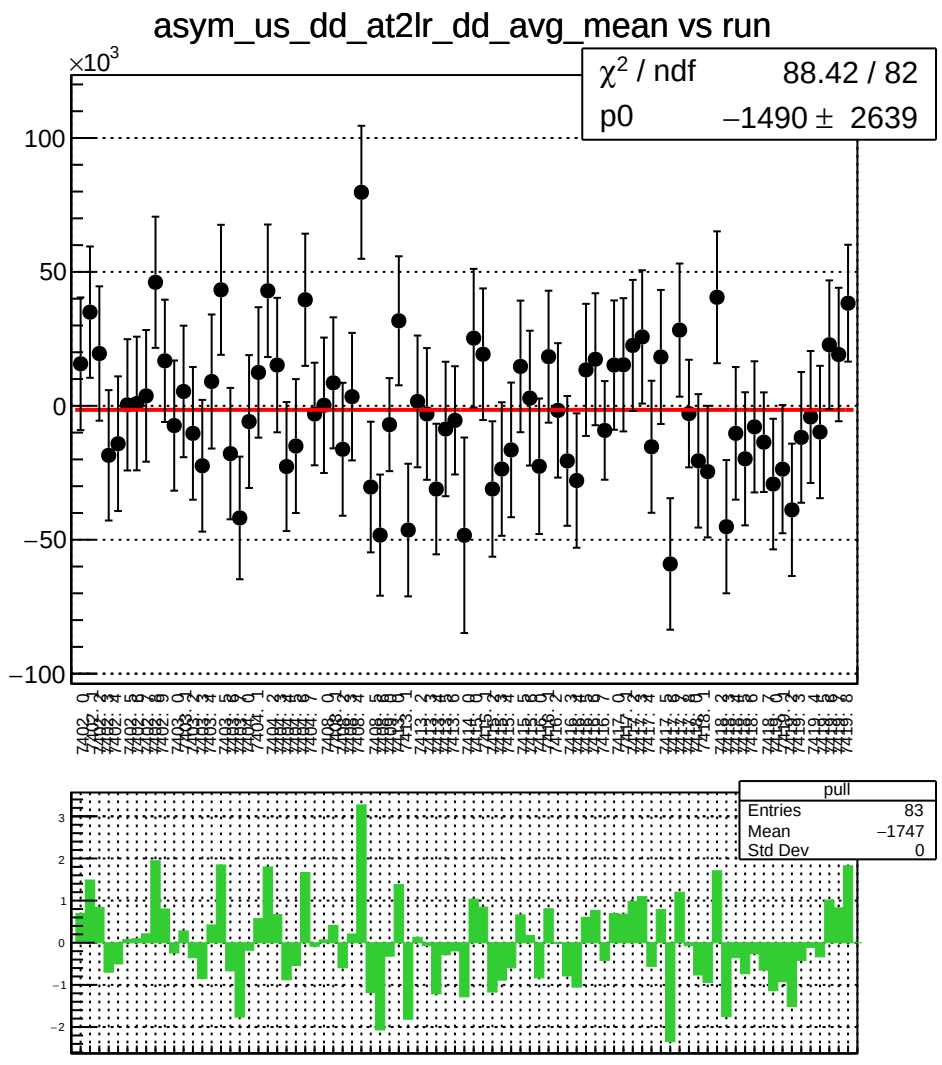

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 2499 / 82
p0 1121 ± 0.8932
1300
1250
1200
1150
1100
1050
1000

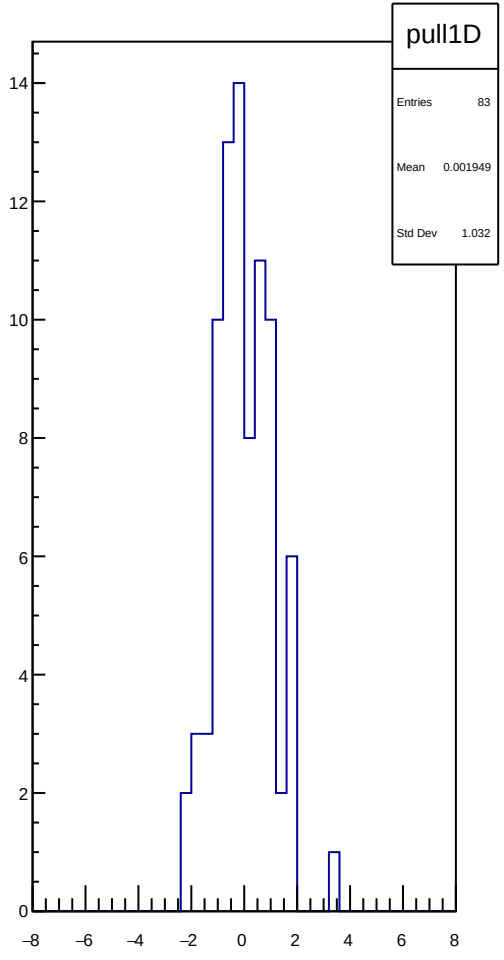

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 88.44 / 82
p0 −2557 ± 2294
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 886.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.005479
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

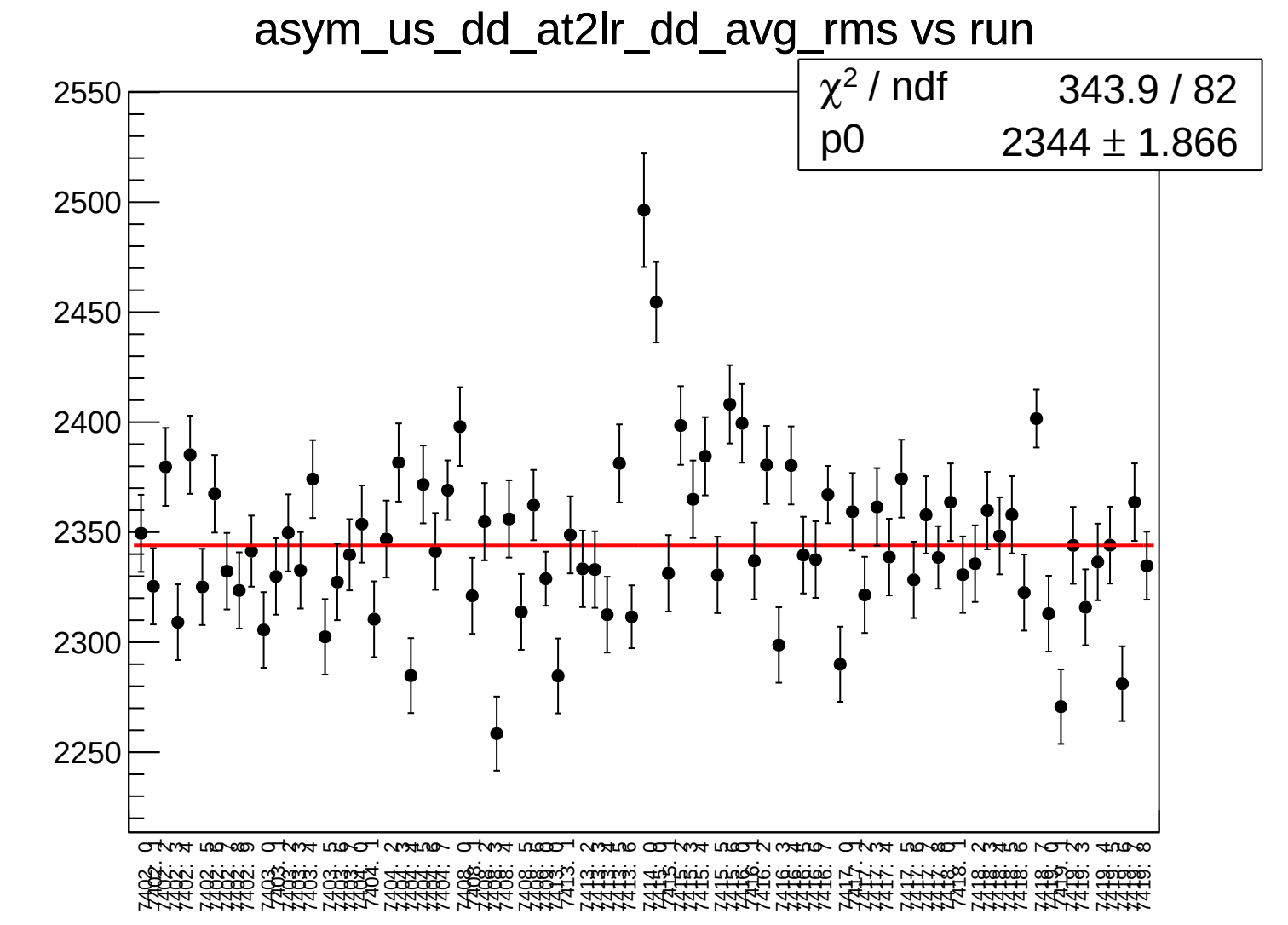

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 136.2 / 82
p0 2038 ± 1.622
2100
2080
2060
2040
2020
2000
1980
1960

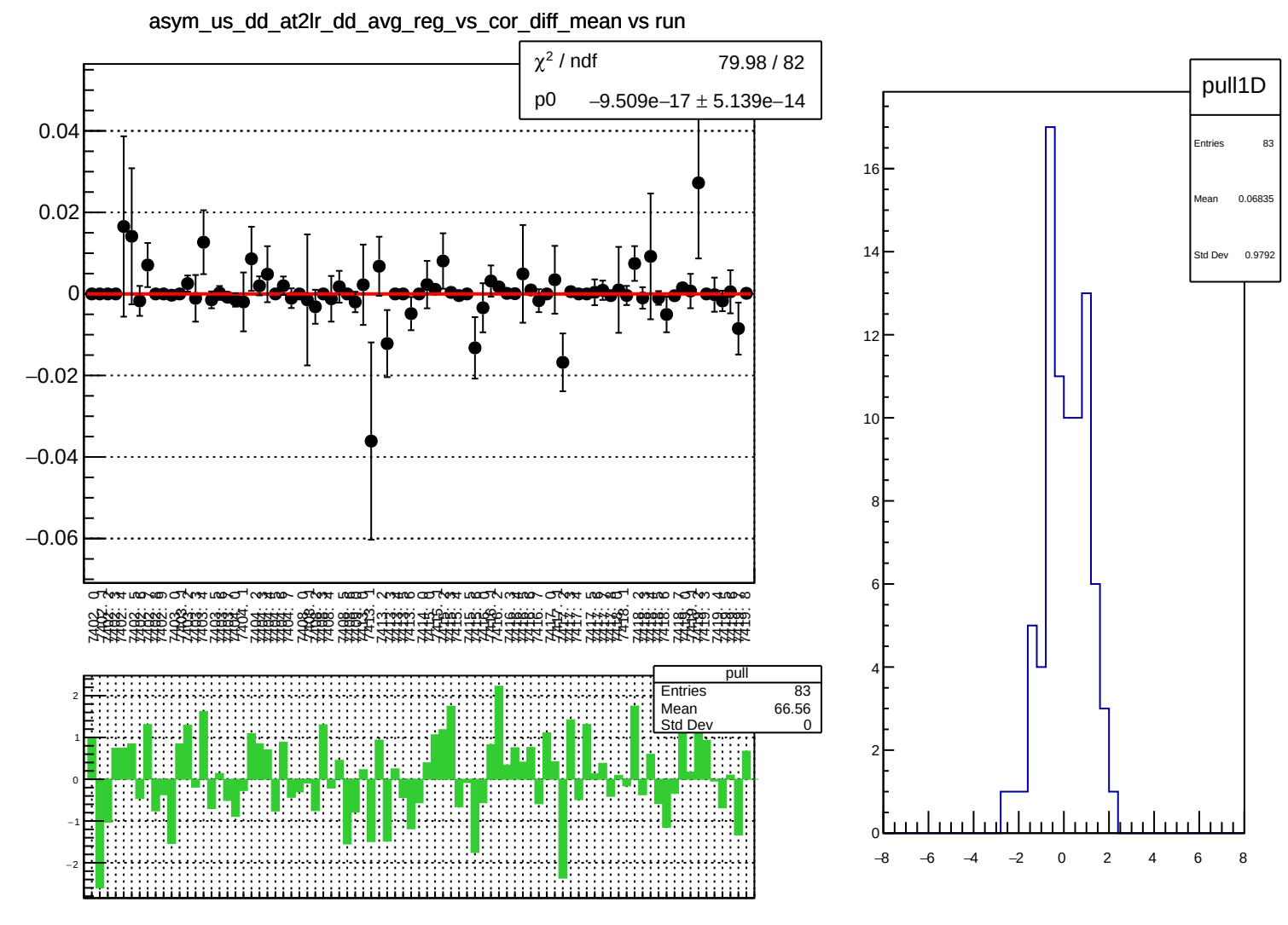

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.49 / 82
p0 −938.1± 1263
pull
Entries 83
Mean 95.52
Std Dev 26.78
pull1D
Entries 83
Mean −0.01926
Std Dev 0.9148

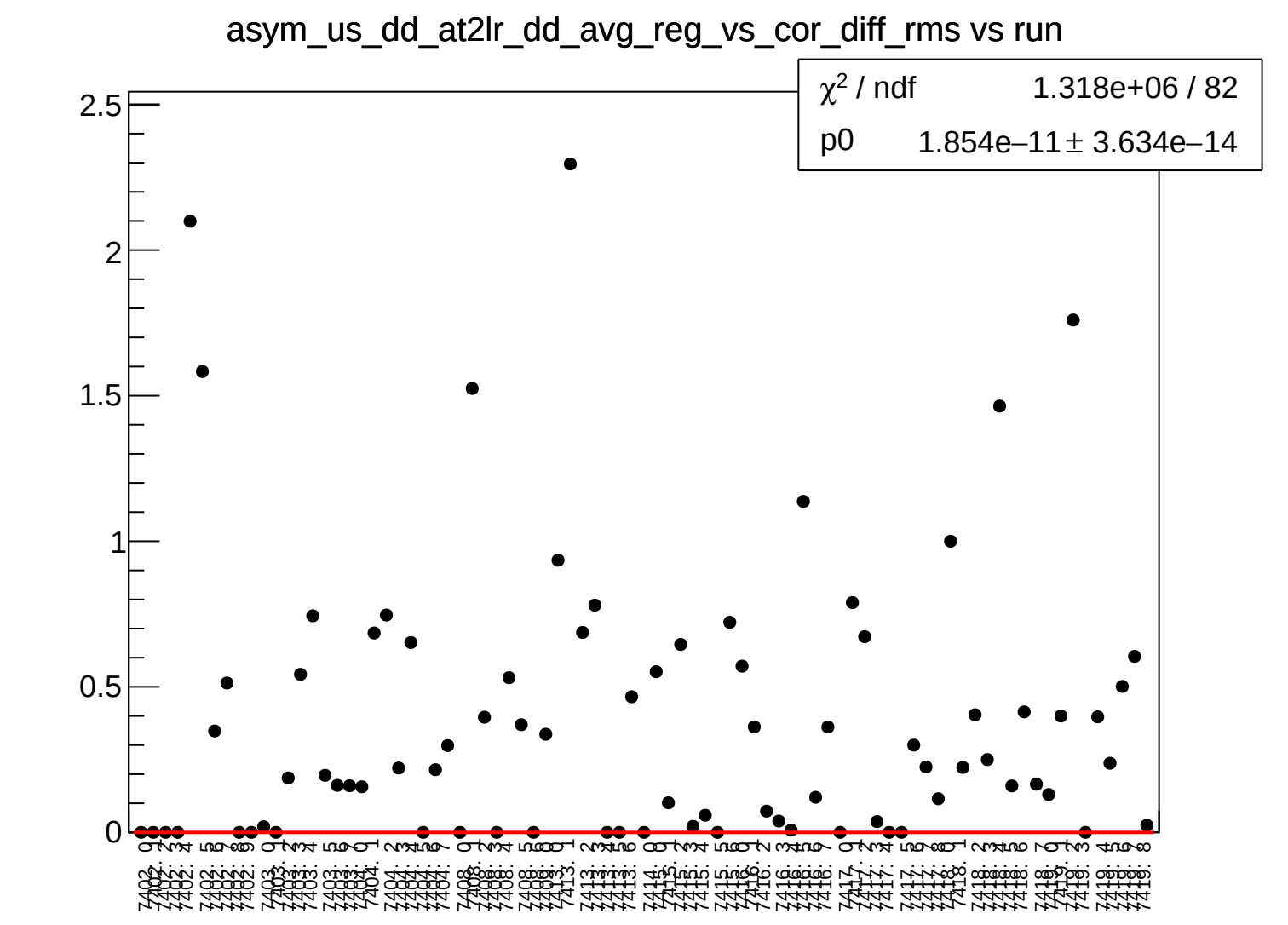

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2499 / 82
p0 1121 ± 0.8932
1300
1250
1200
1150
1100
1050
1000

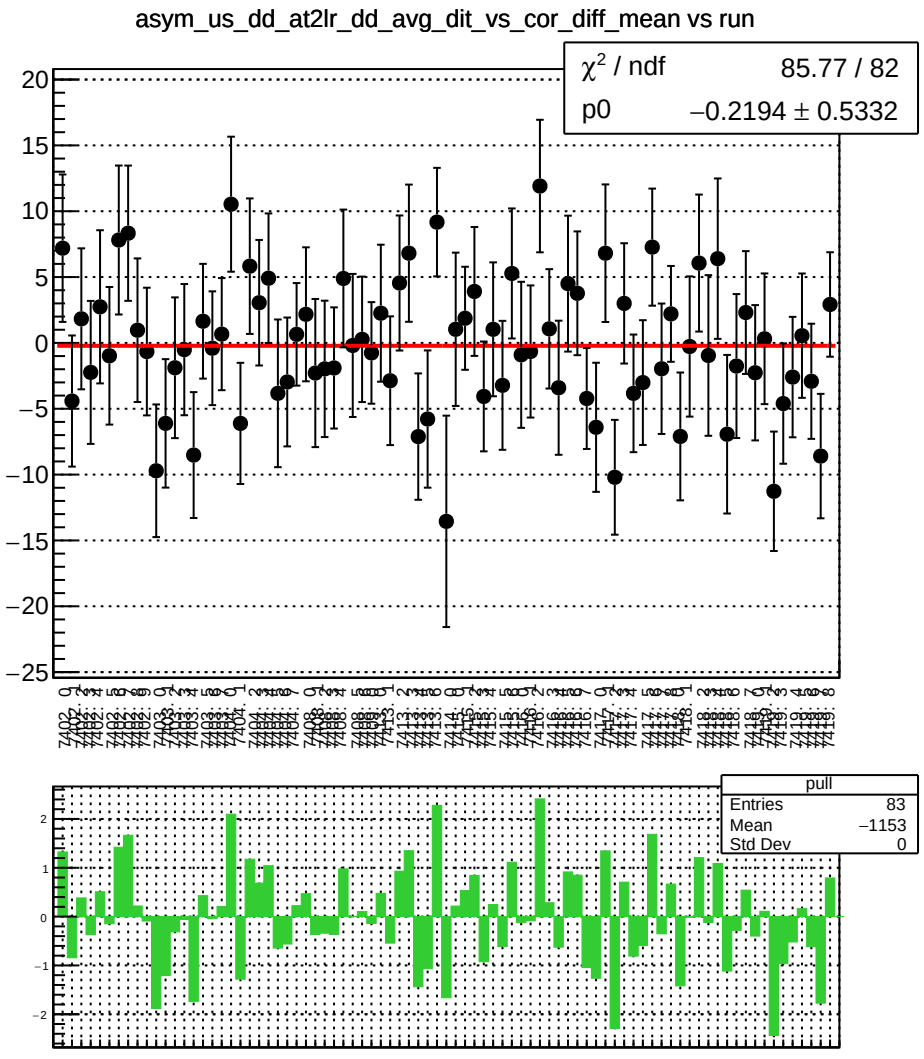

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 88.42 / 82
p0 −1490 ± 2639
100
50
0
−50
−100
pull
Entries 83
Mean −1747
Std Dev 0
3
2
1
0
−1
−2

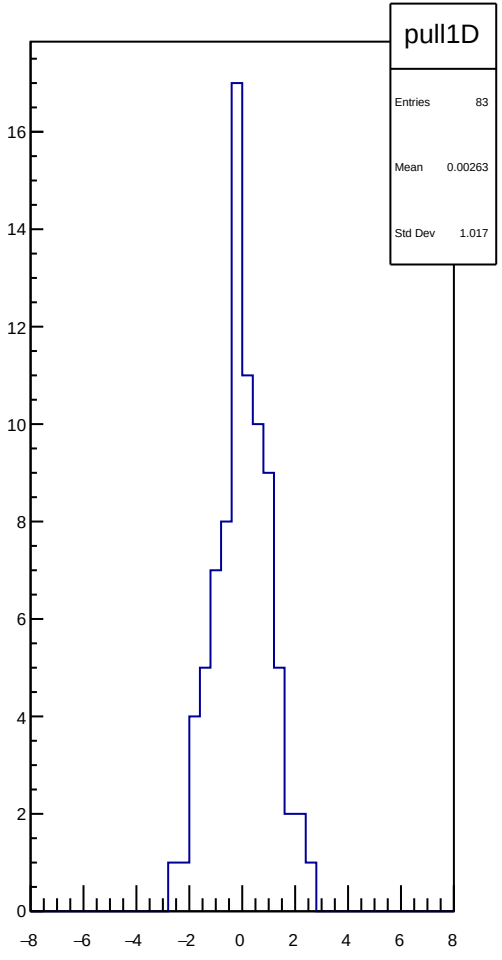

pull1D
Entries 83
Mean 0.001949
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

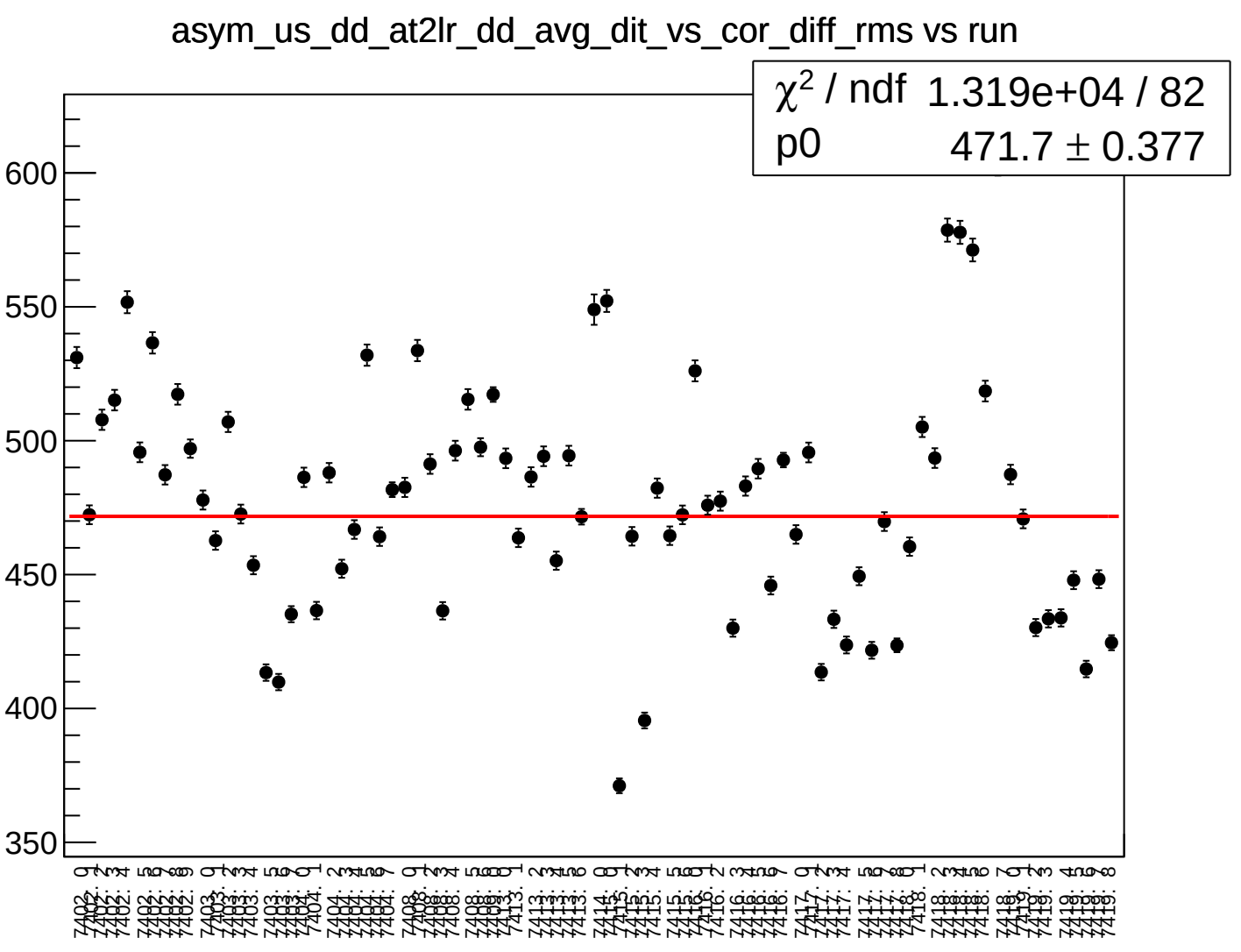

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 343.9 / 82
p0 2344 ± 1.866
2550
2500
2450
2400
2350
2300
2250

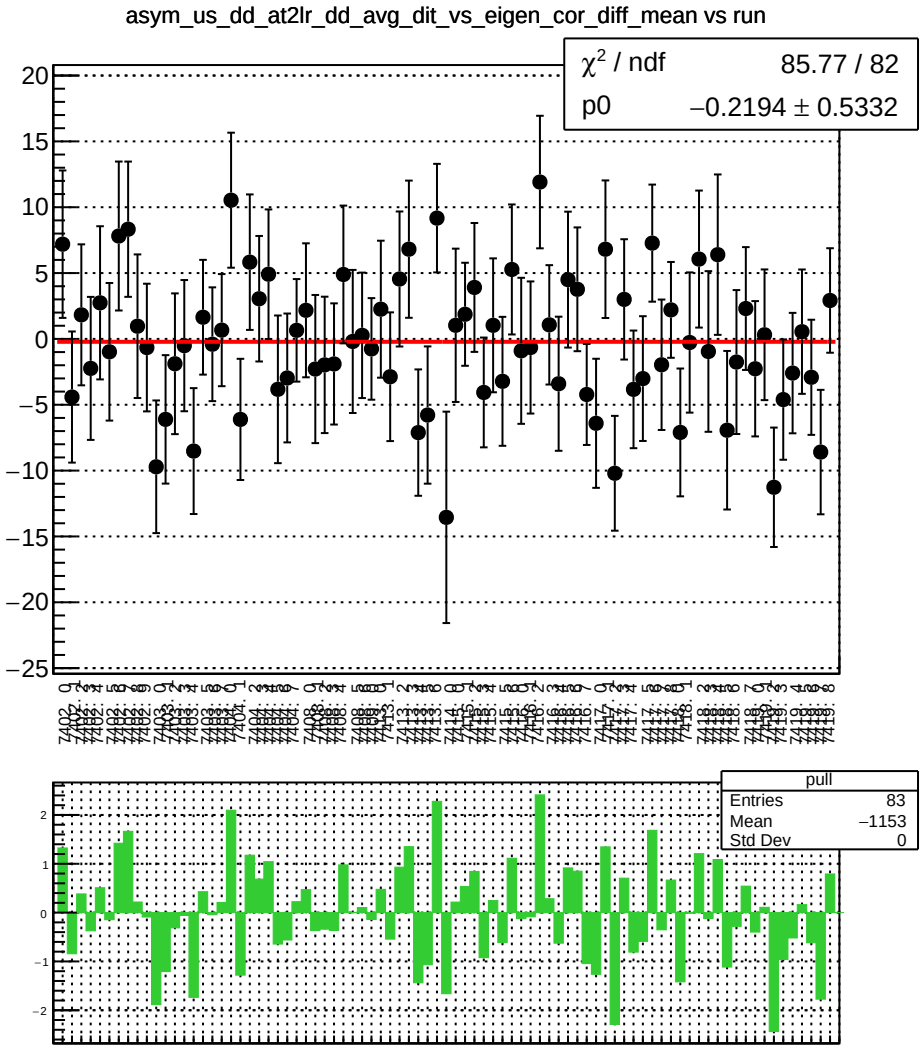

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.98 / 82
p0 −9.509e−17 ± 5.139e−14
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 83
Mean 66.56
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.06835
Std Dev 0.9792
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

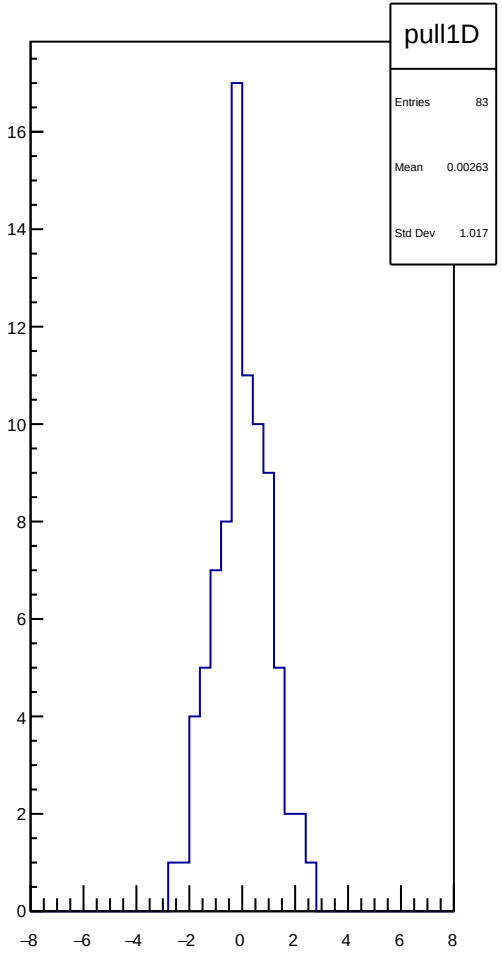

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.318e+06 / 82
p0 1.854e−11 ± 3.634e−14
2.5
2
1.5
1
0.5
0

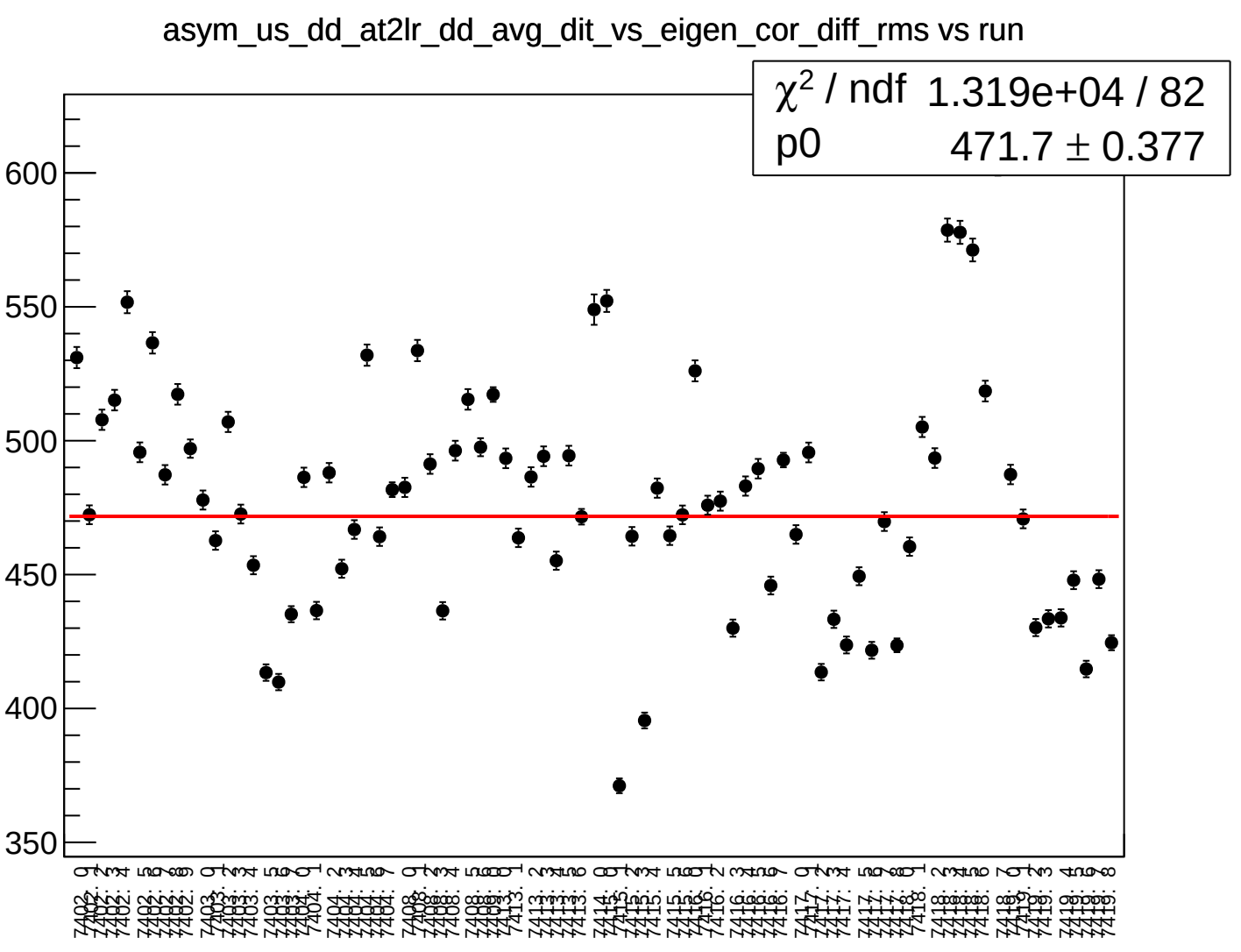

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.77 / 82
p0 −0.2194 ± 0.5332
pull
Entries 83
Mean −1153
Std Dev 0

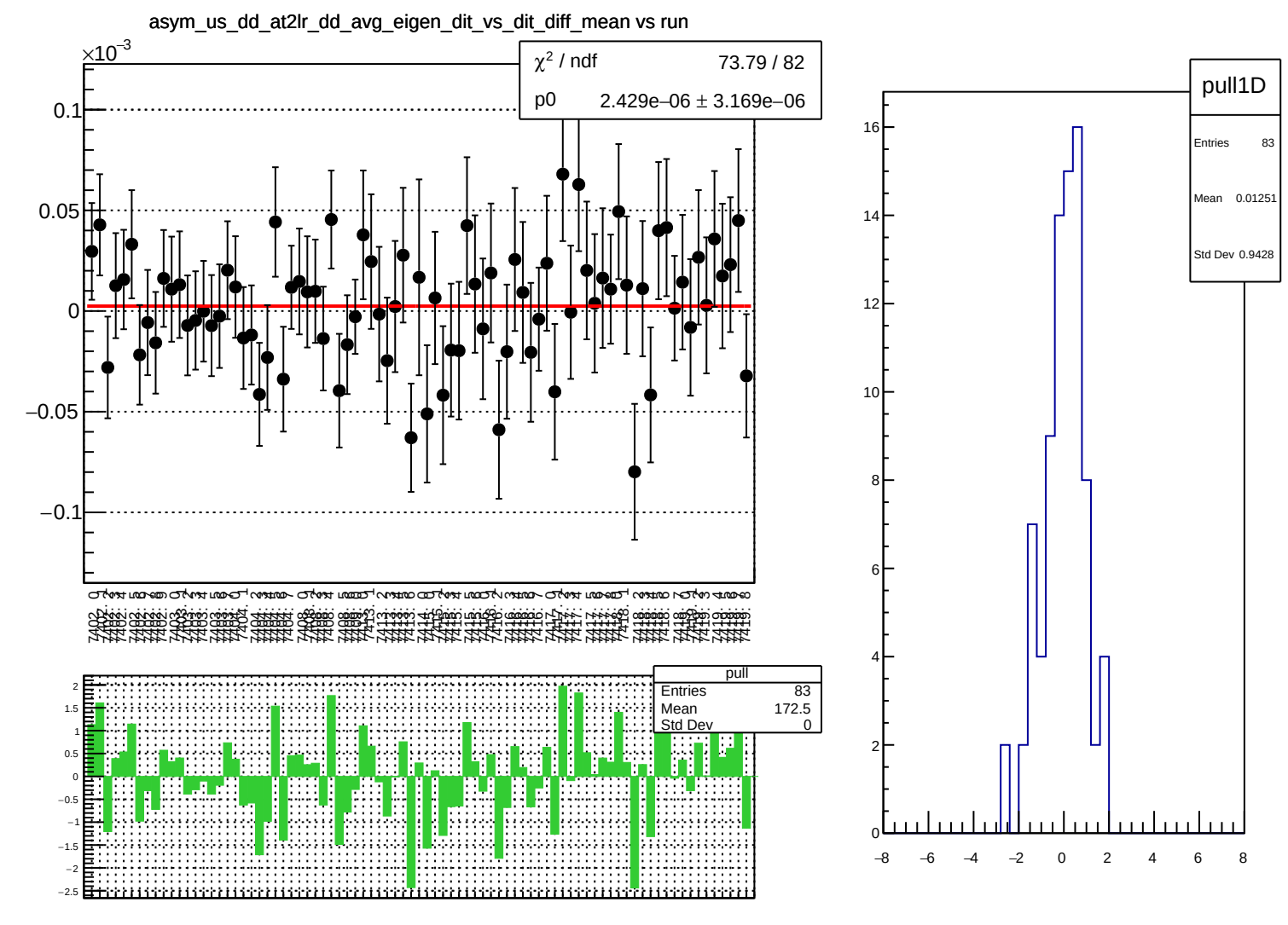

pull1D
Entries 83
Mean 0.00263
Std Dev 1.017

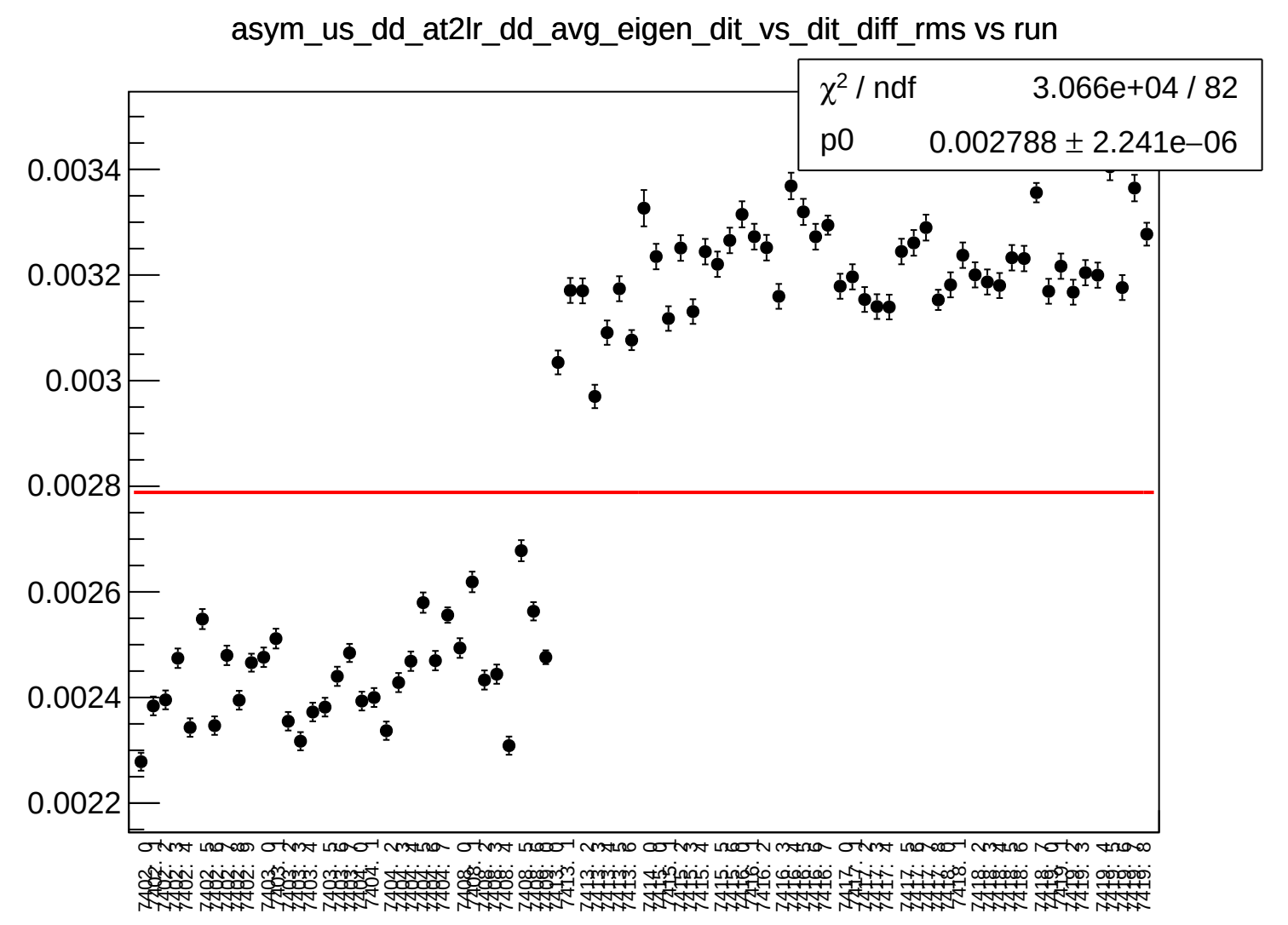

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 82
p0 471.7 ± 0.377
600
550
500
450
400
350

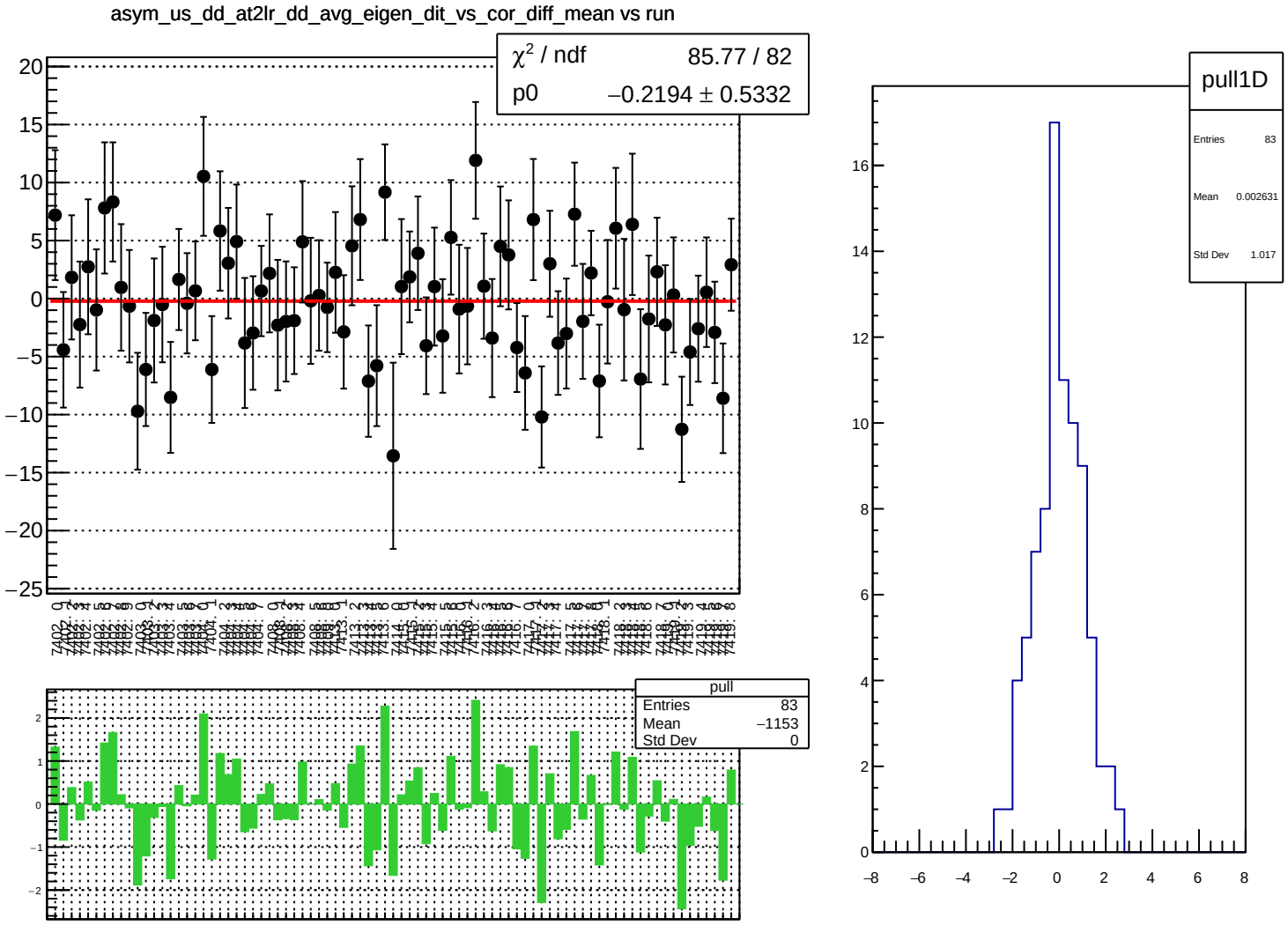

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.77 / 82
p0 −0.2194 ± 0.5332
pull
Entries 83
Mean −1153
Std Dev 0

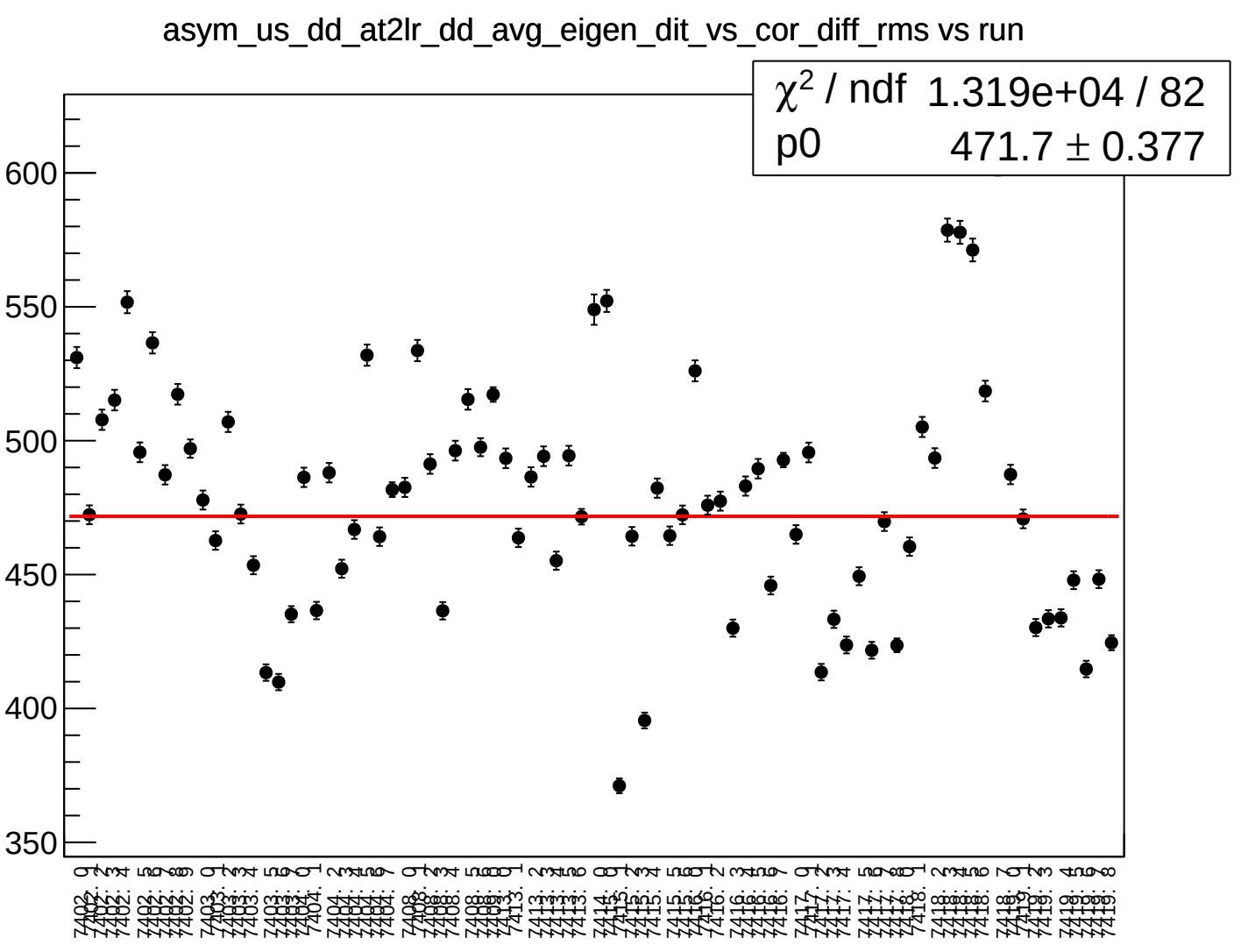

pull1D
Entries 83
Mean 0.00263
Std Dev 1.017

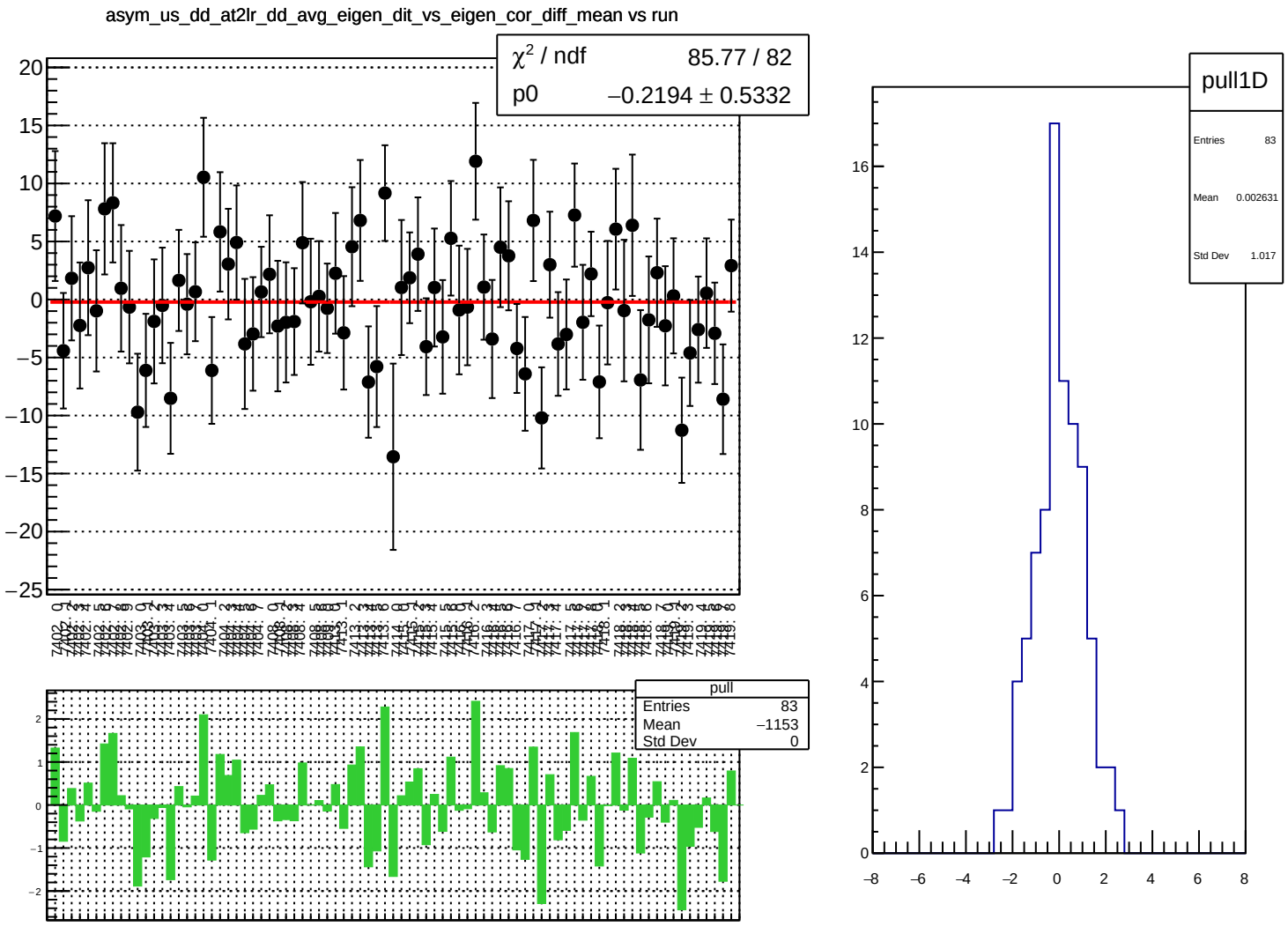

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 82
p0 471.7 ± 0.377
600
550
500
450
400
350

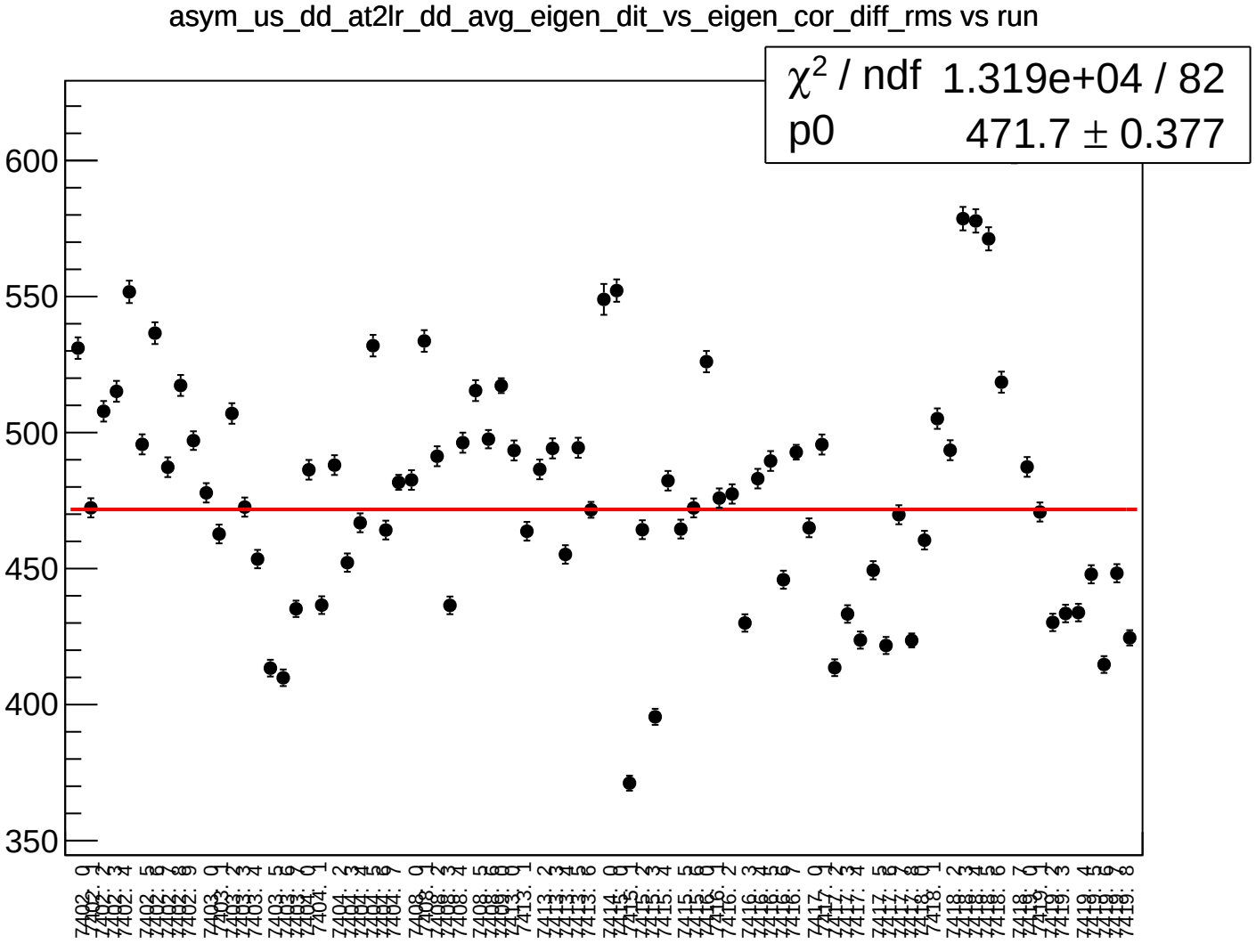

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.79 / 82
p0 2.429e−06 ± 3.169e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 172.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean 0.01251
Std Dev 0.9428
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

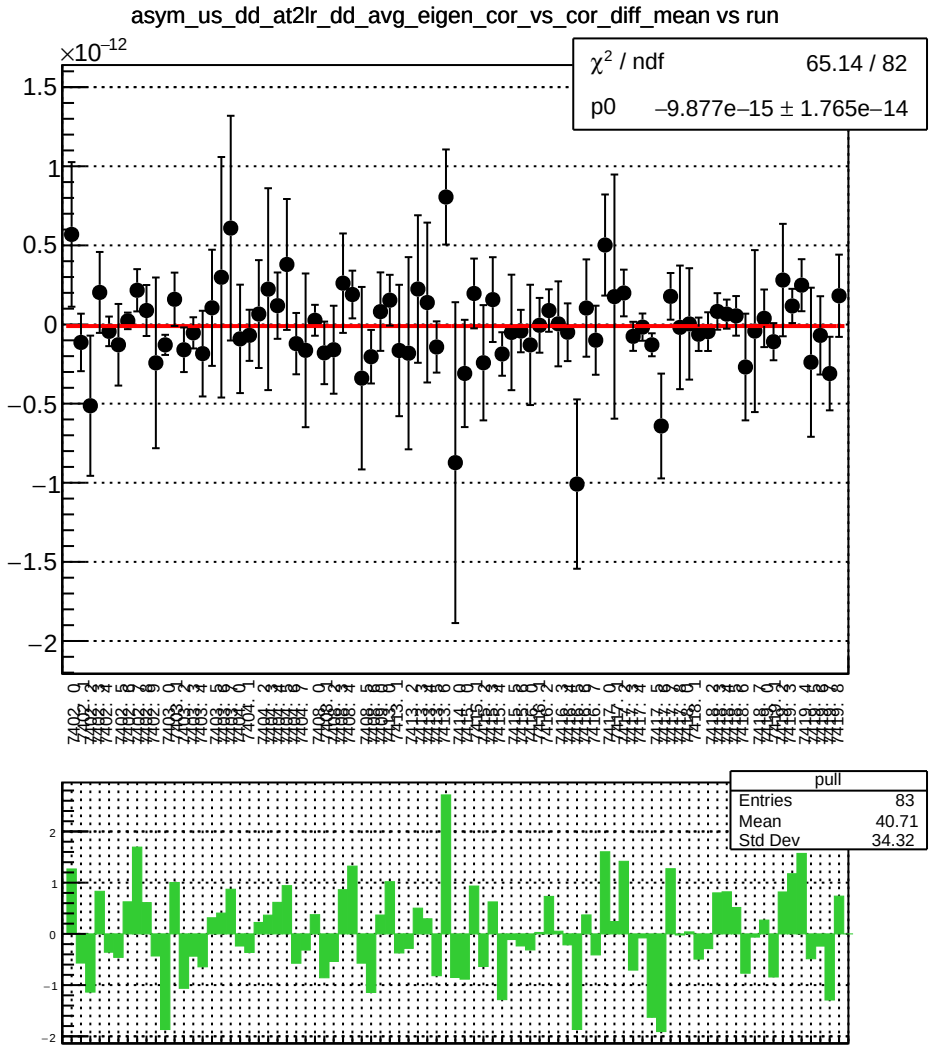

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.066e+04 / 82
p0 0.002788 ± 2.241e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

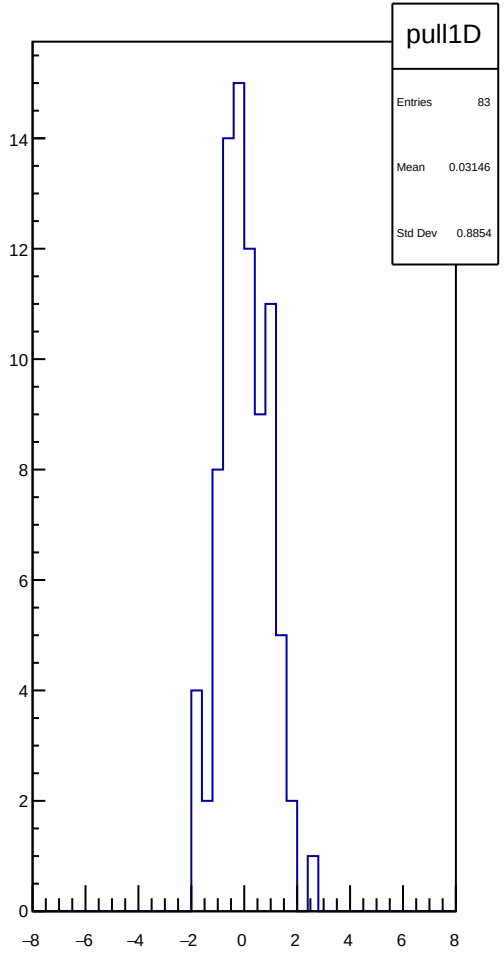

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.77 / 82
p0 −0.2194 ± 0.5332
pull
Entries 83
Mean −1153
Std Dev 0
pull1D
Entries 83
Mean 0.002631
Std Dev 1.017

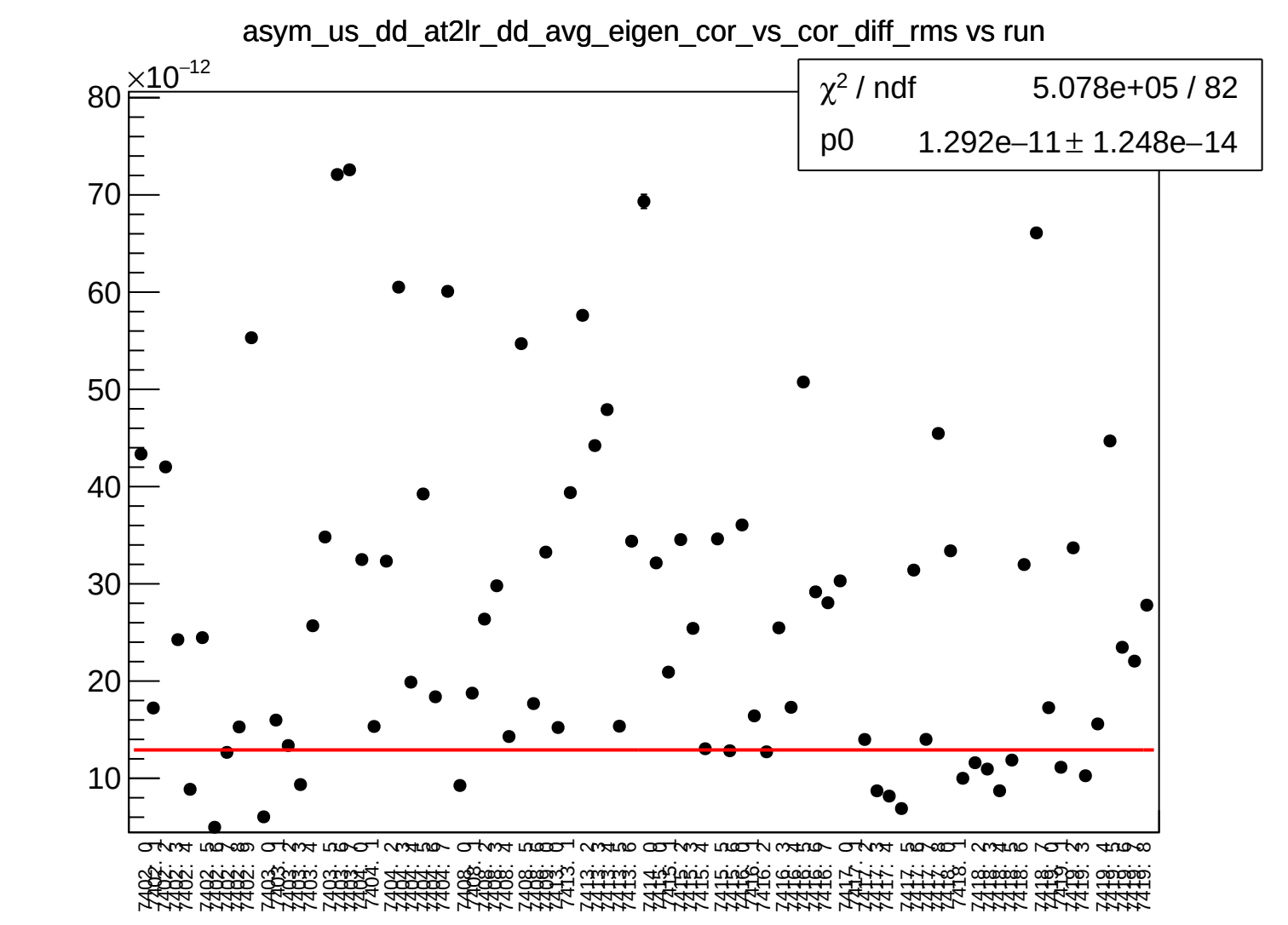

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 82
p0 471.7 ± 0.377
600
550
500
450
400
350

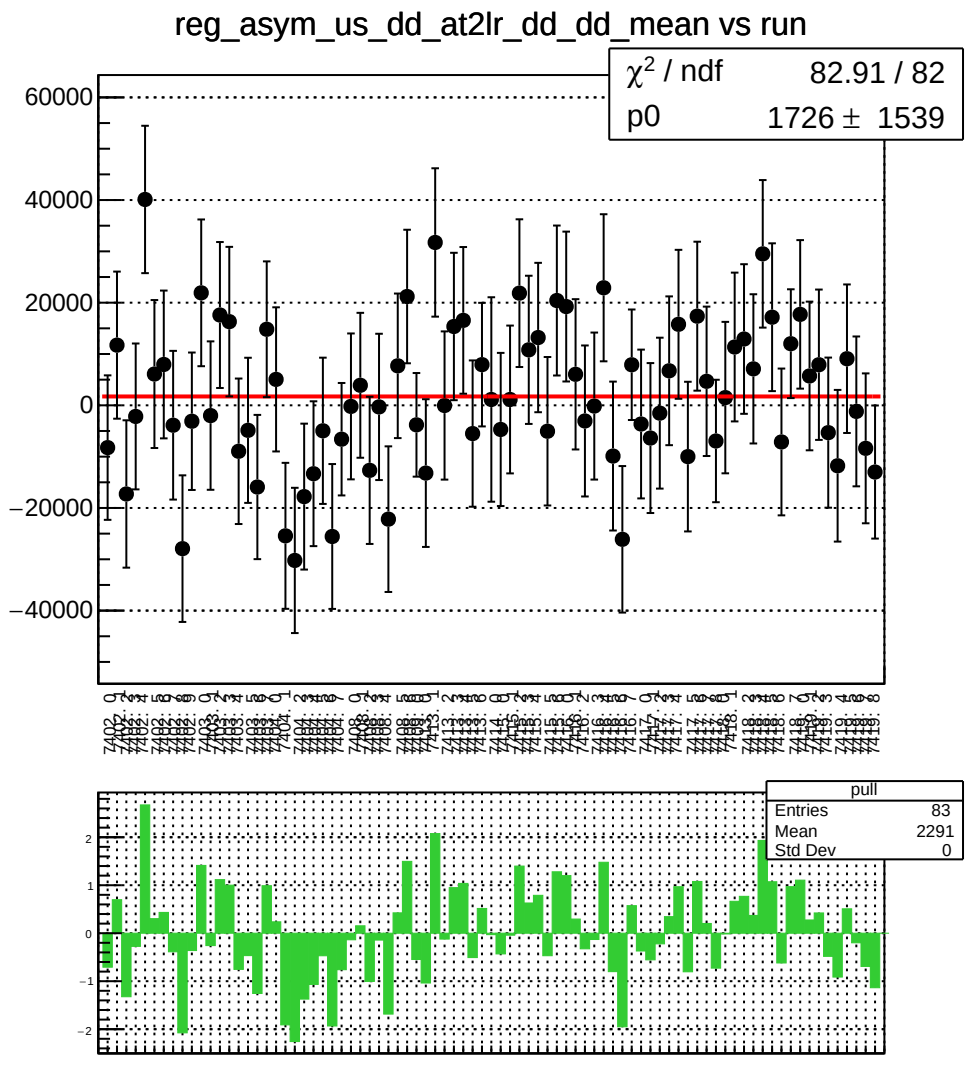

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.77 / 82
p0 −0.2194 ± 0.5332
pull
Entries 83
Mean −1153
Std Dev 0
pull1D
Entries 83
Mean 0.002631
Std Dev 1.017

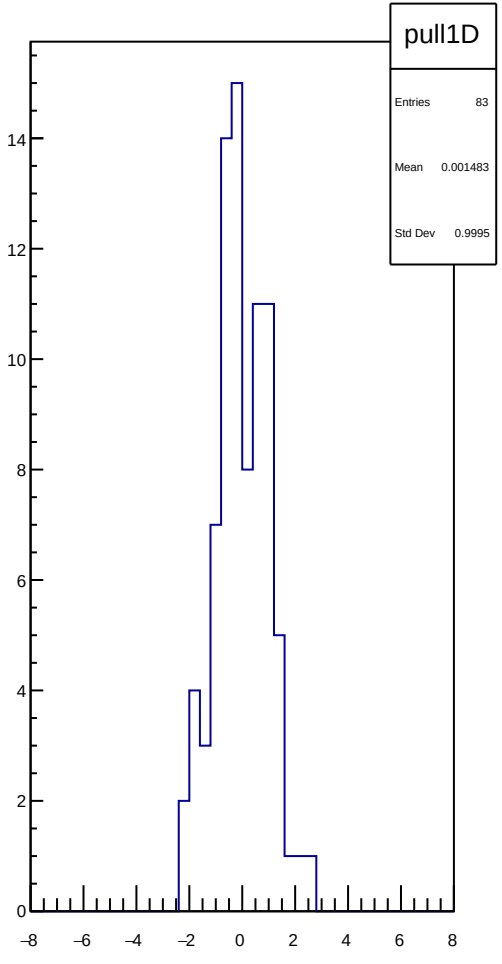

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.319e+04 / 82
p0 471.7 ± 0.377
600
550
500
450
400
350

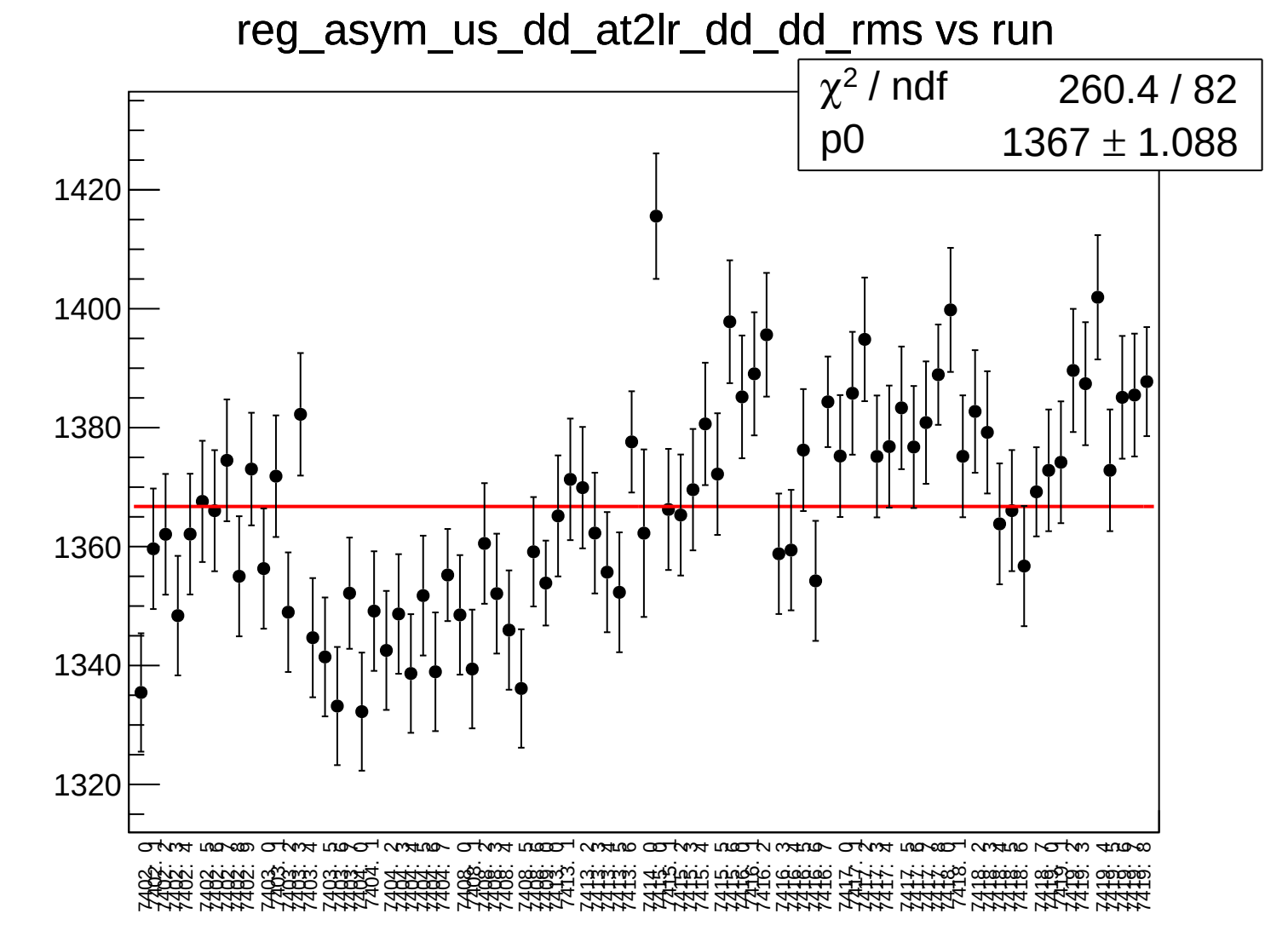

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.14 / 82
p0 −9.877e−15 ± 1.765e−14
pull
Entries 83
Mean 40.71
Std Dev 34.32

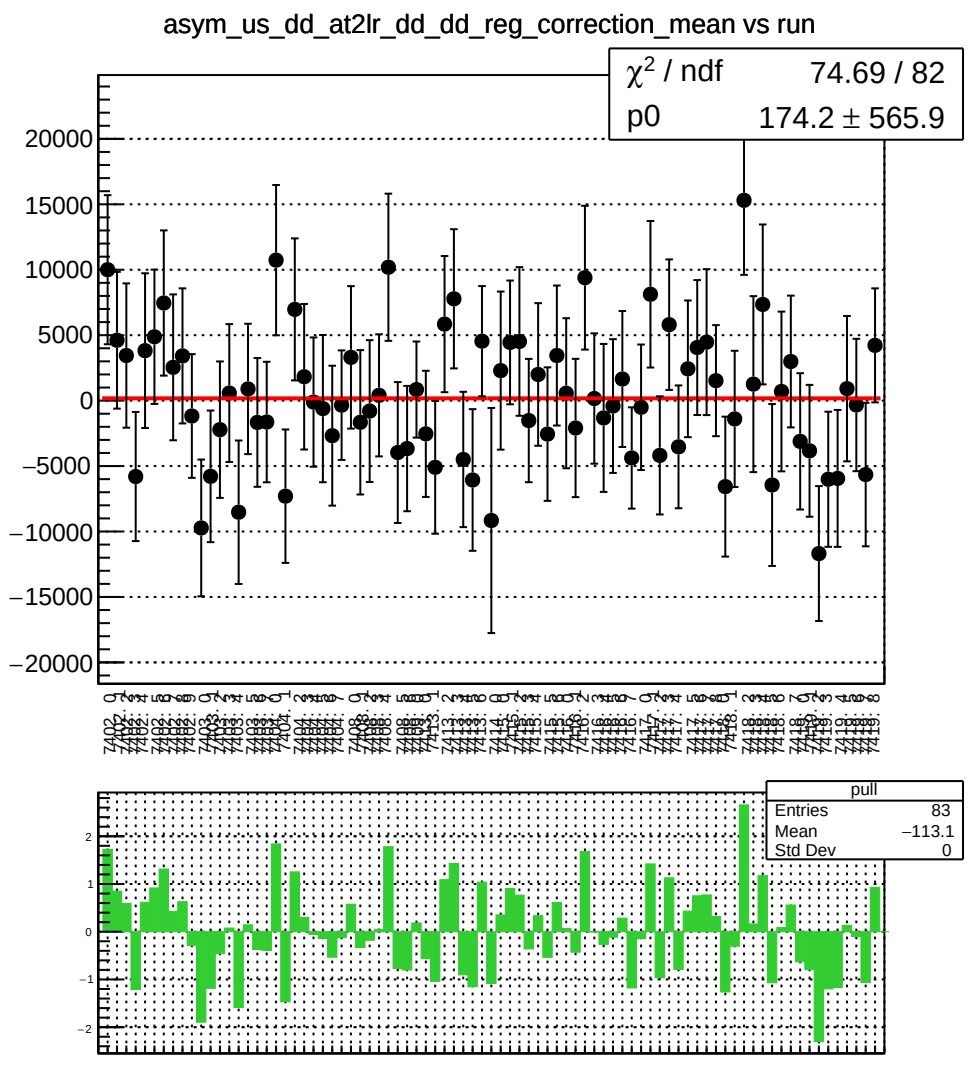

pull1D
Entries 83
Mean 0.03146
Std Dev 0.8854

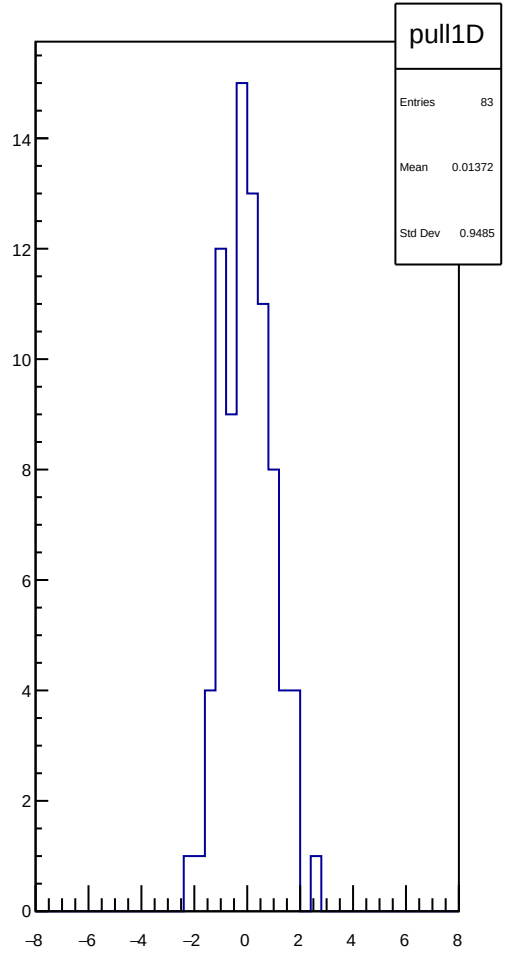

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
80
70
60
50
40
30
20
10
χ² / ndf 5.078e+05 / 82
p0 1.292e−11 ± 1.248e−14

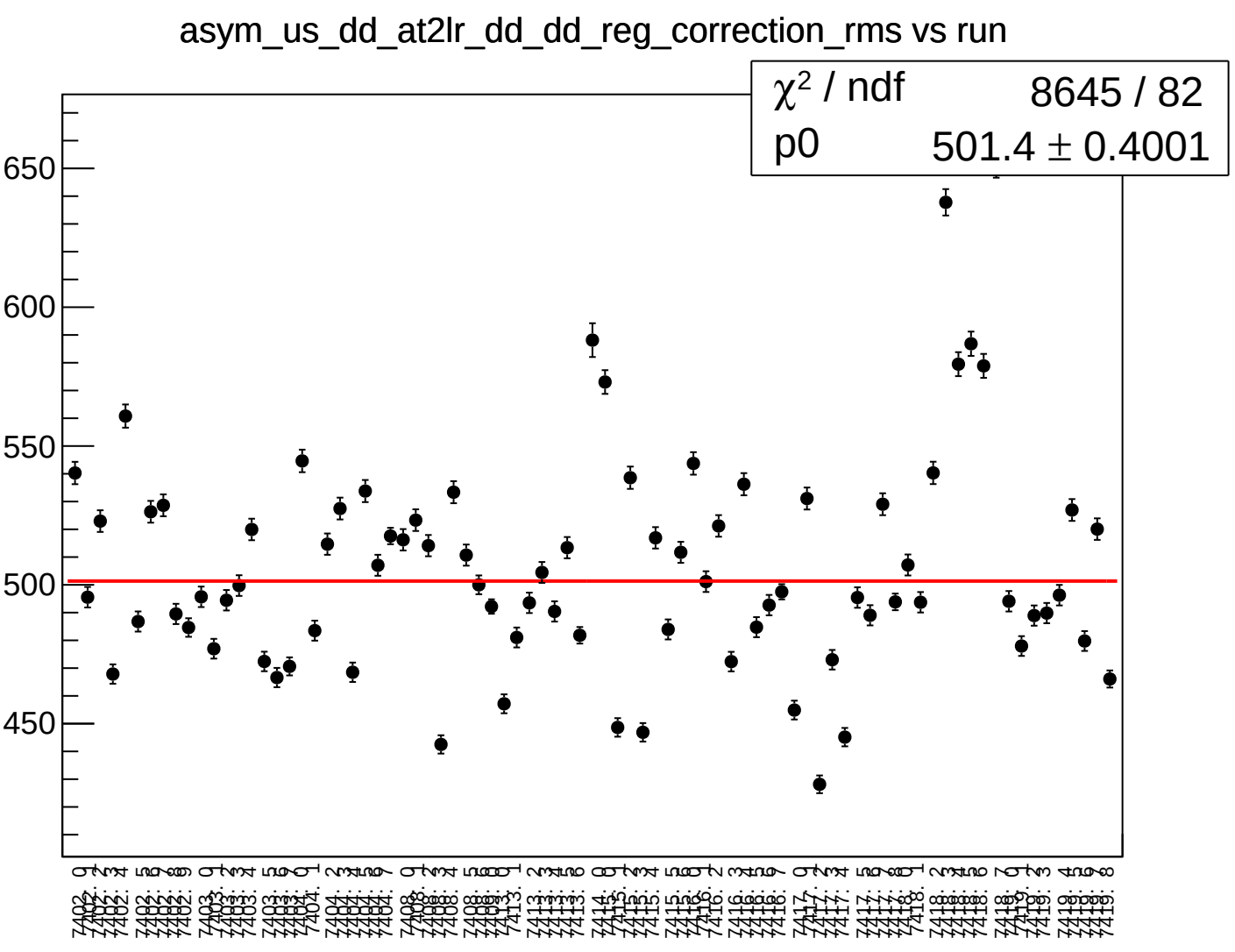

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 82.91 / 82
p0 1726 ± 1539
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 2291
Std Dev 0
2
1
0
−1
−2

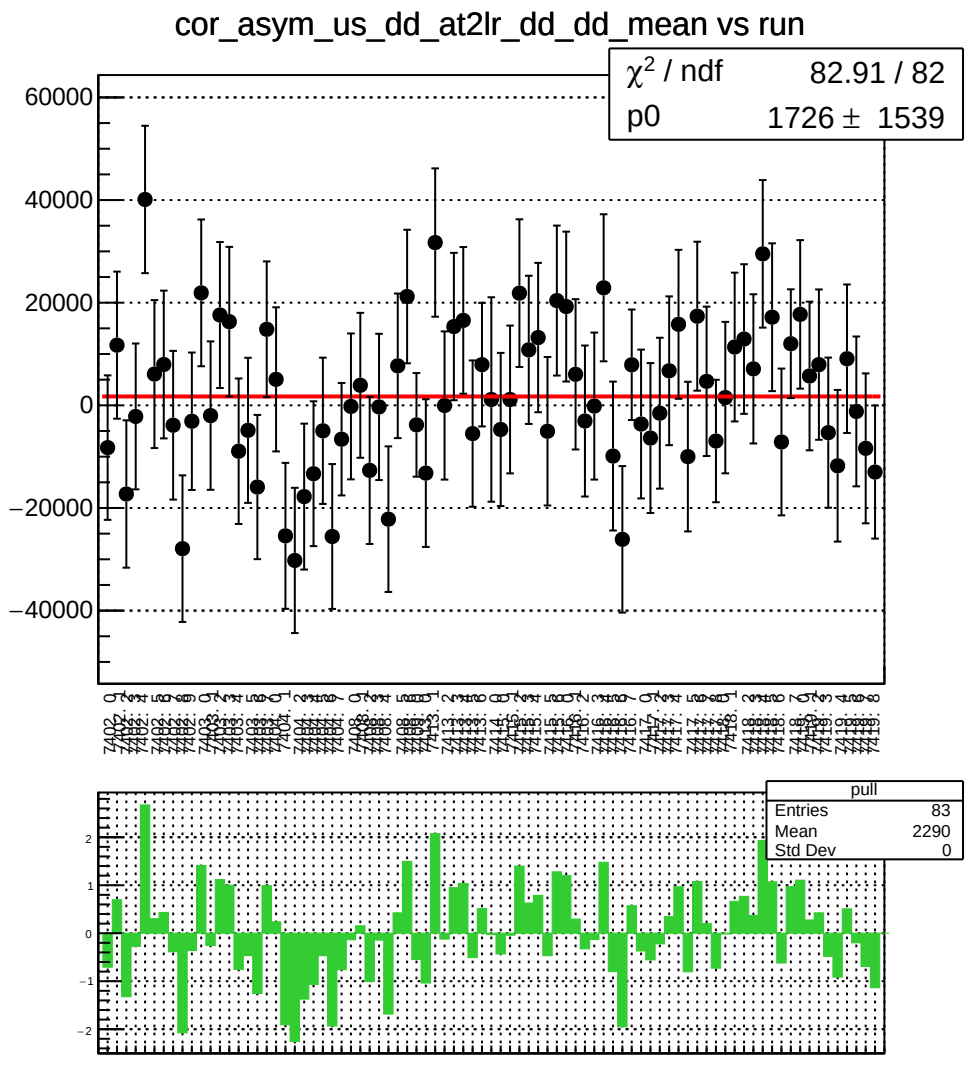

pull1D
Entries 83
Mean 0.001483
Std Dev 0.9995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

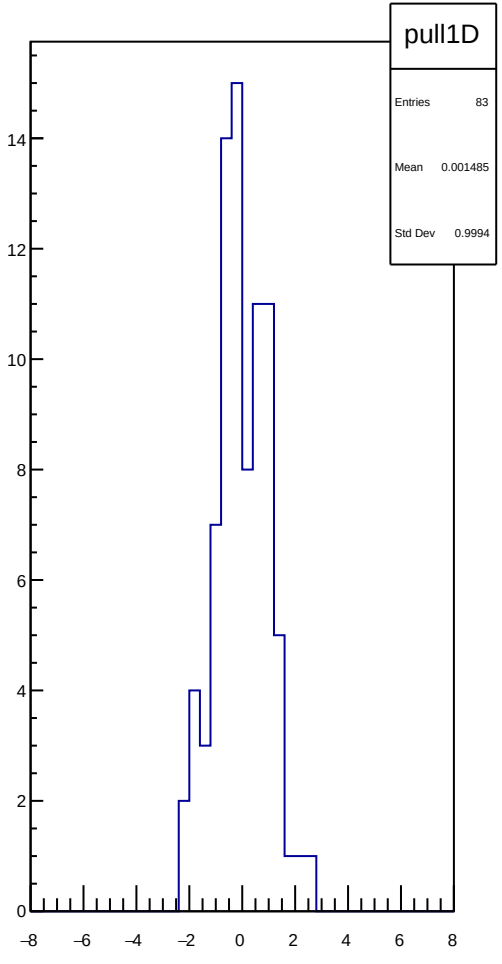

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 260.4 / 82
p0 1367 ± 1.088
1420
1400
1380
1360
1340
1320

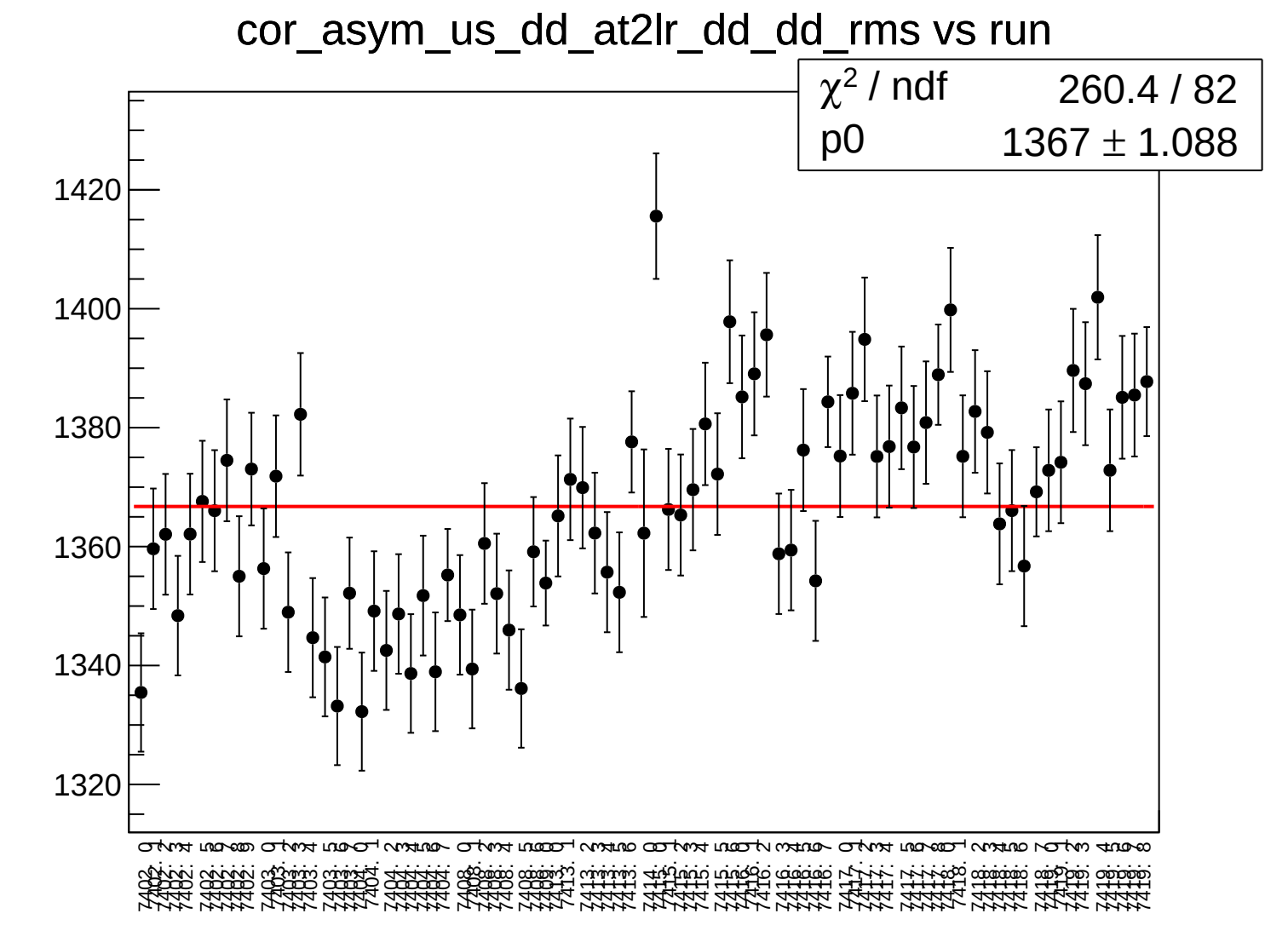

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 74.69 / 82
p0 174.2 ± 565.9
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean −113.1
Std Dev 0
2
1
0
−1
−2

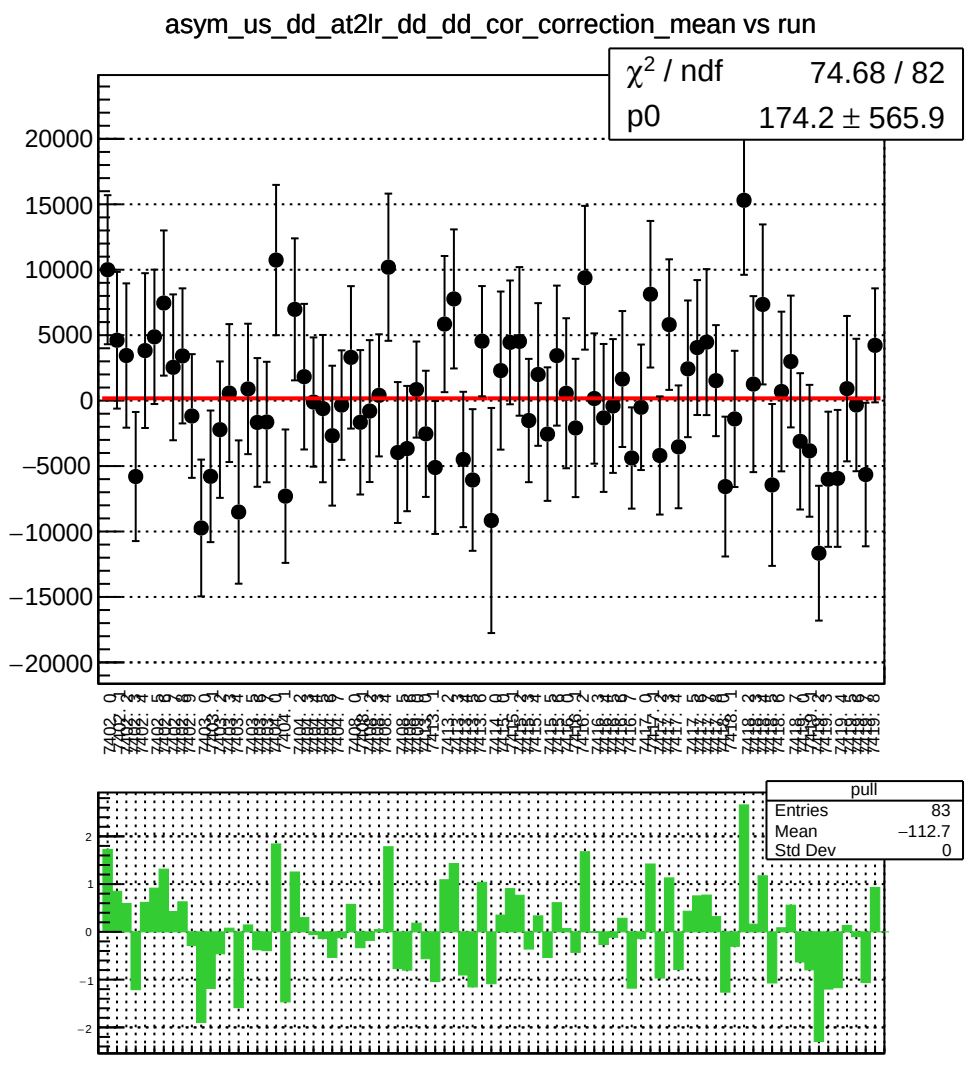

pull1D
Entries 83
Mean 0.01372
Std Dev 0.9485
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

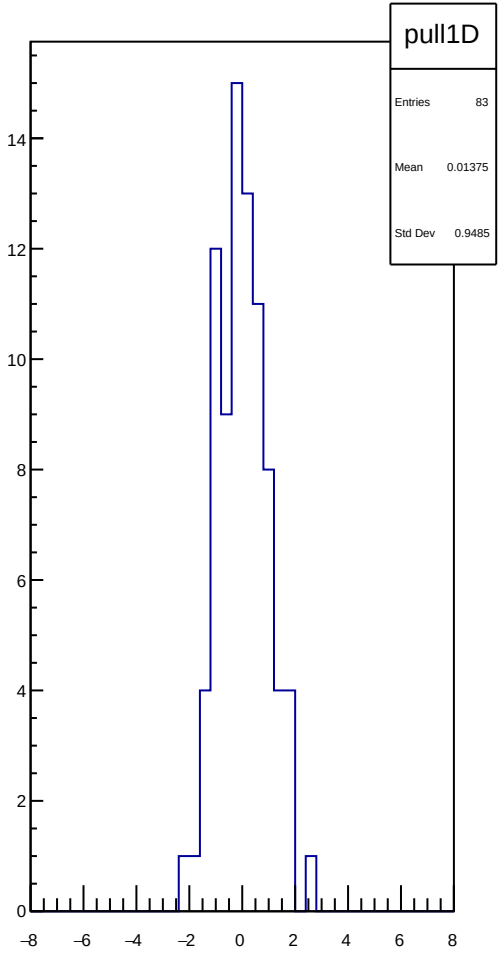

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 8645 / 82
p0 501.4 ± 0.4001
650
600
550
500
450

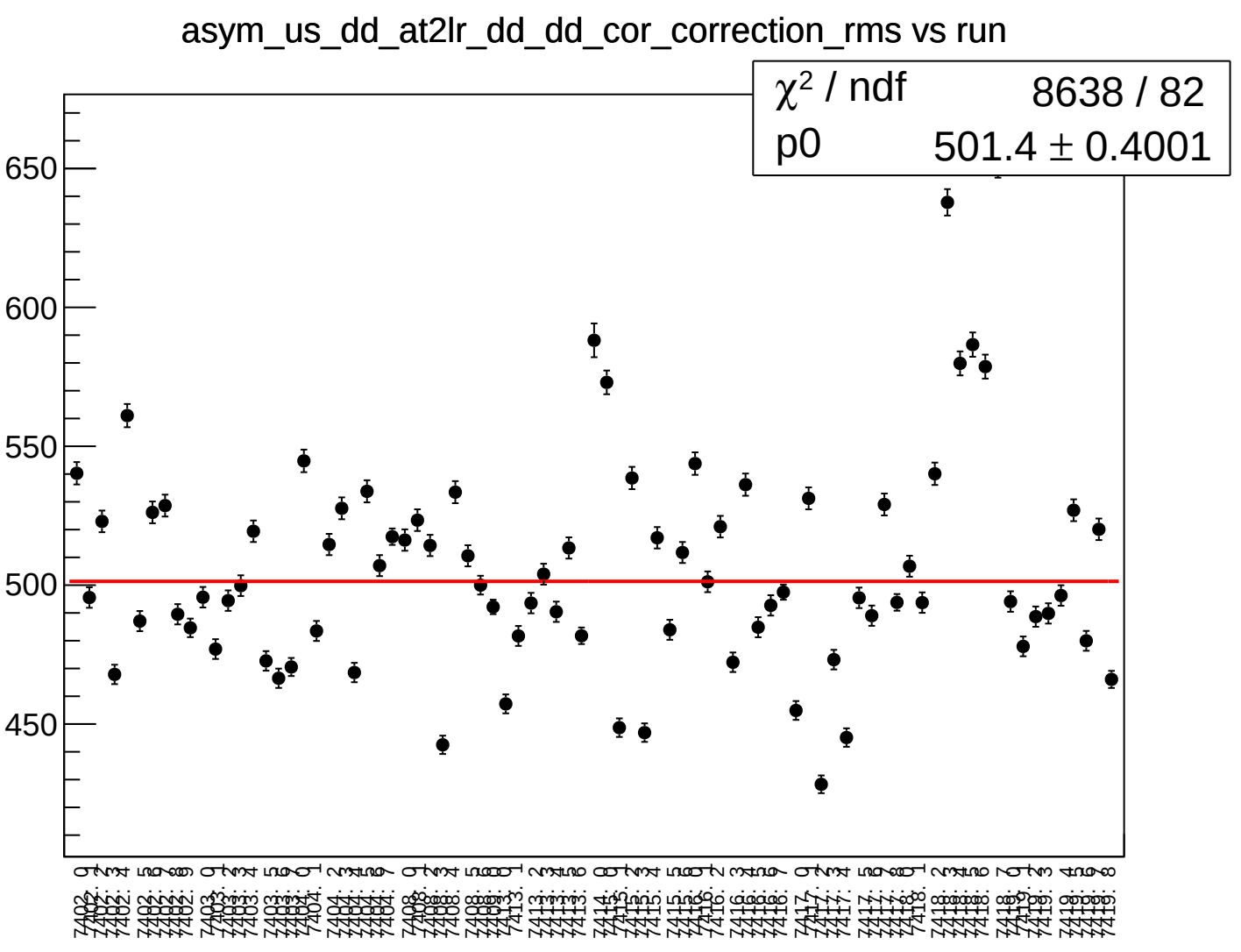

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 82.91 / 82
p0 1726 ± 1539
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 2290
Std Dev 0
2
1
0
−1
−2

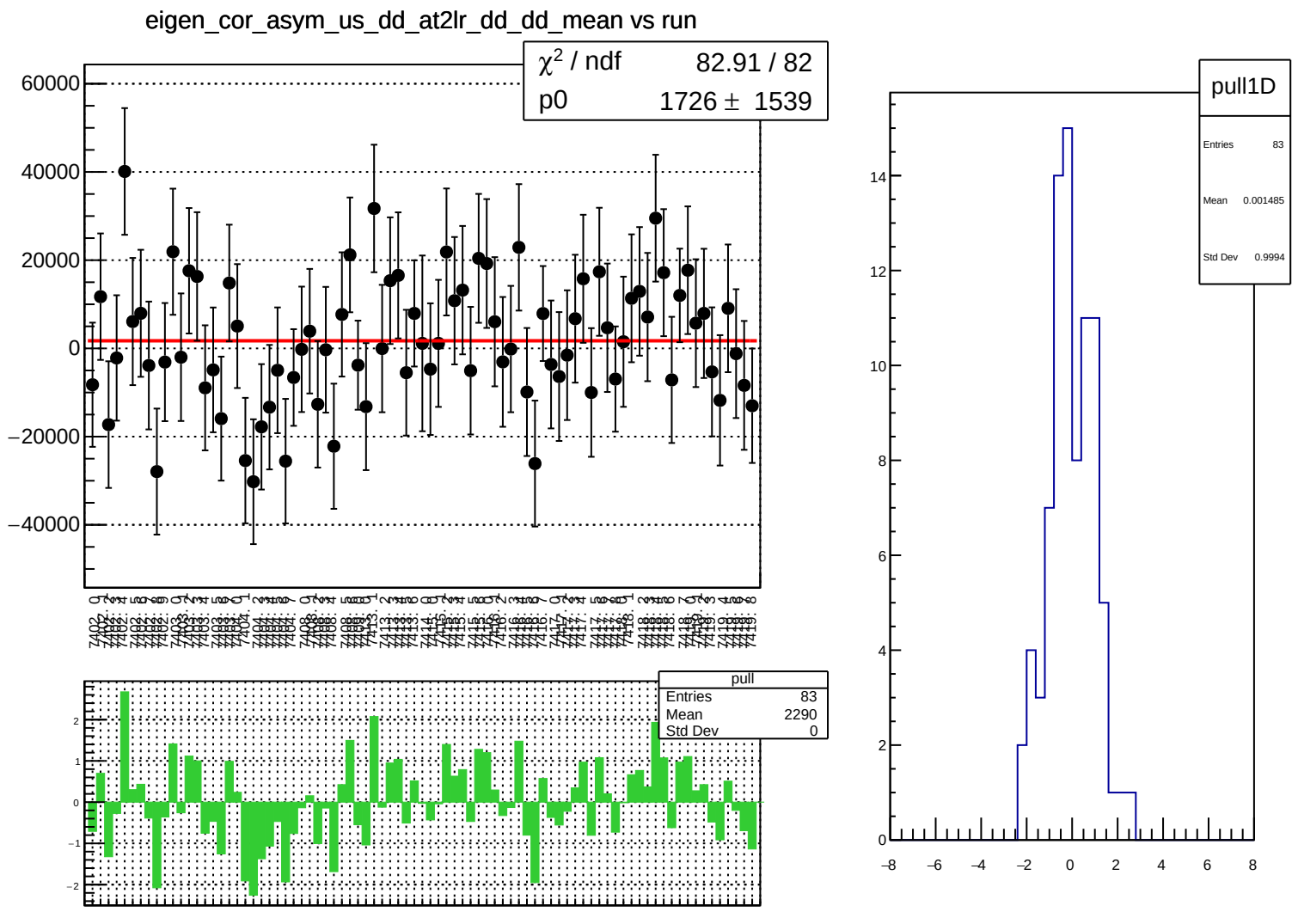

pull1D
Entries 83
Mean 0.001485
Std Dev 0.9994
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

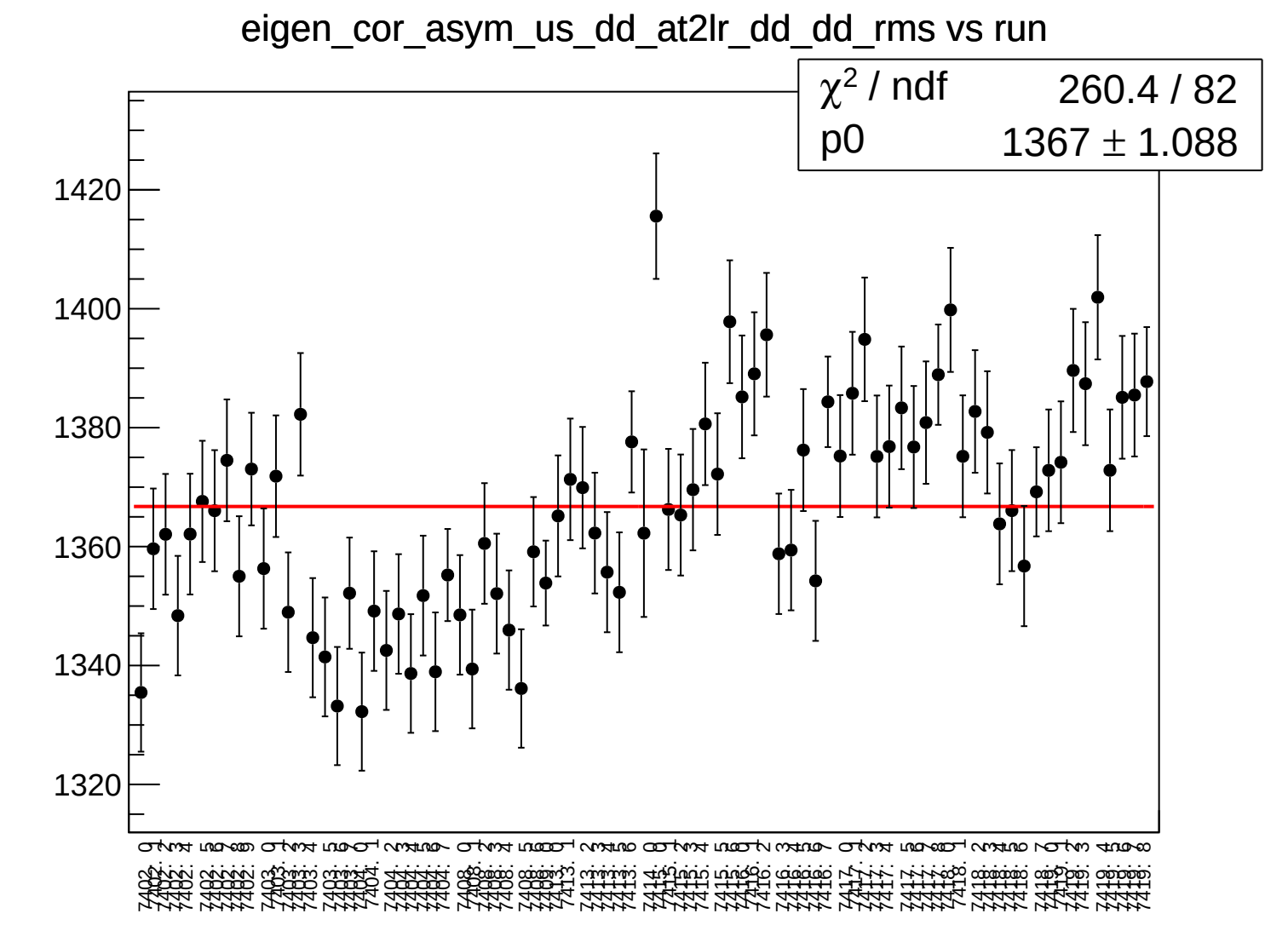

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 260.4 / 82
p0 1367 ± 1.088
1420
1400
1380
1360
1340
1320

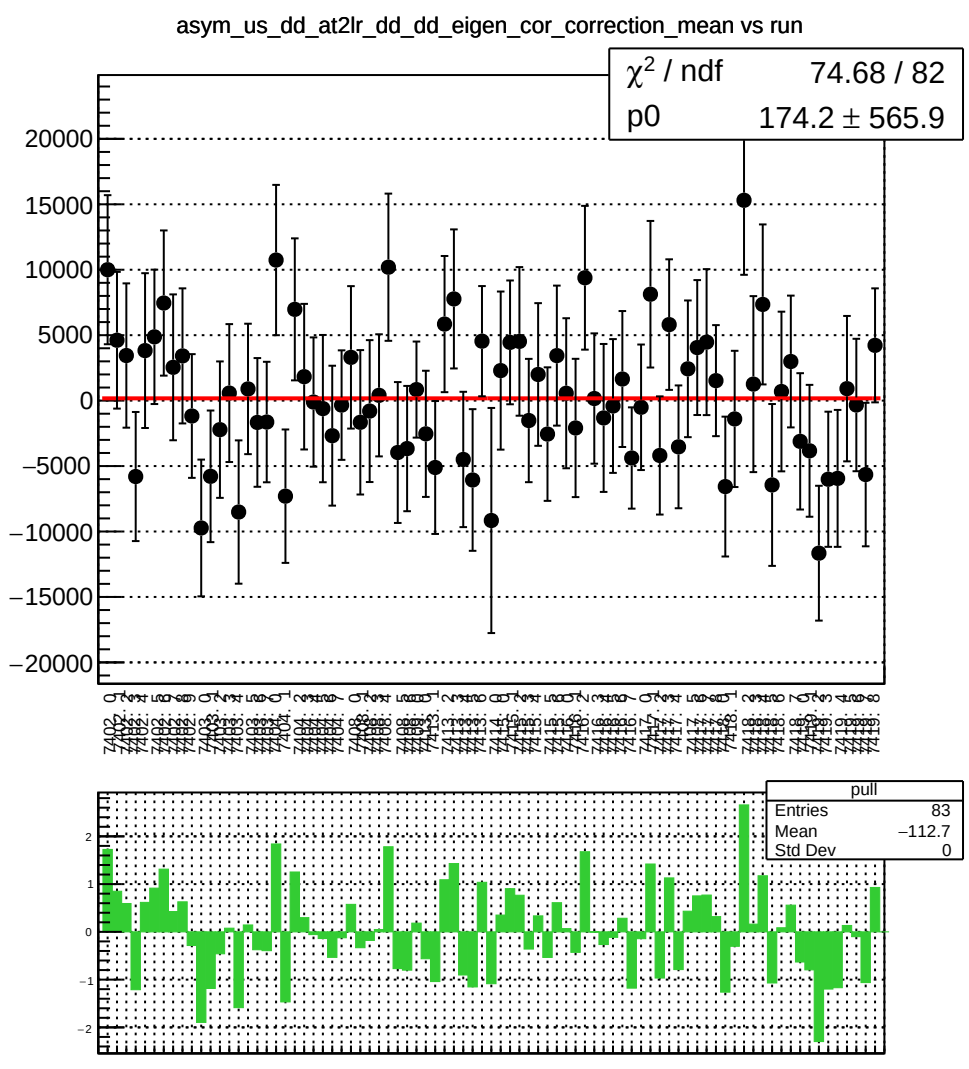

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 74.68 / 82
p0 174.2 ± 565.9
pull
Entries 83
Mean −112.7
Std Dev 0

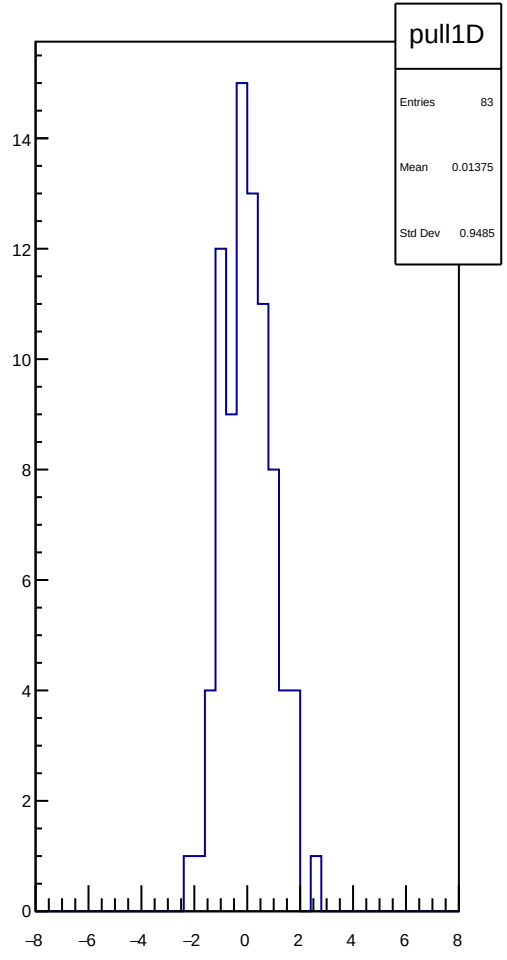

pull1D
Entries 83
Mean 0.01375
Std Dev 0.9485

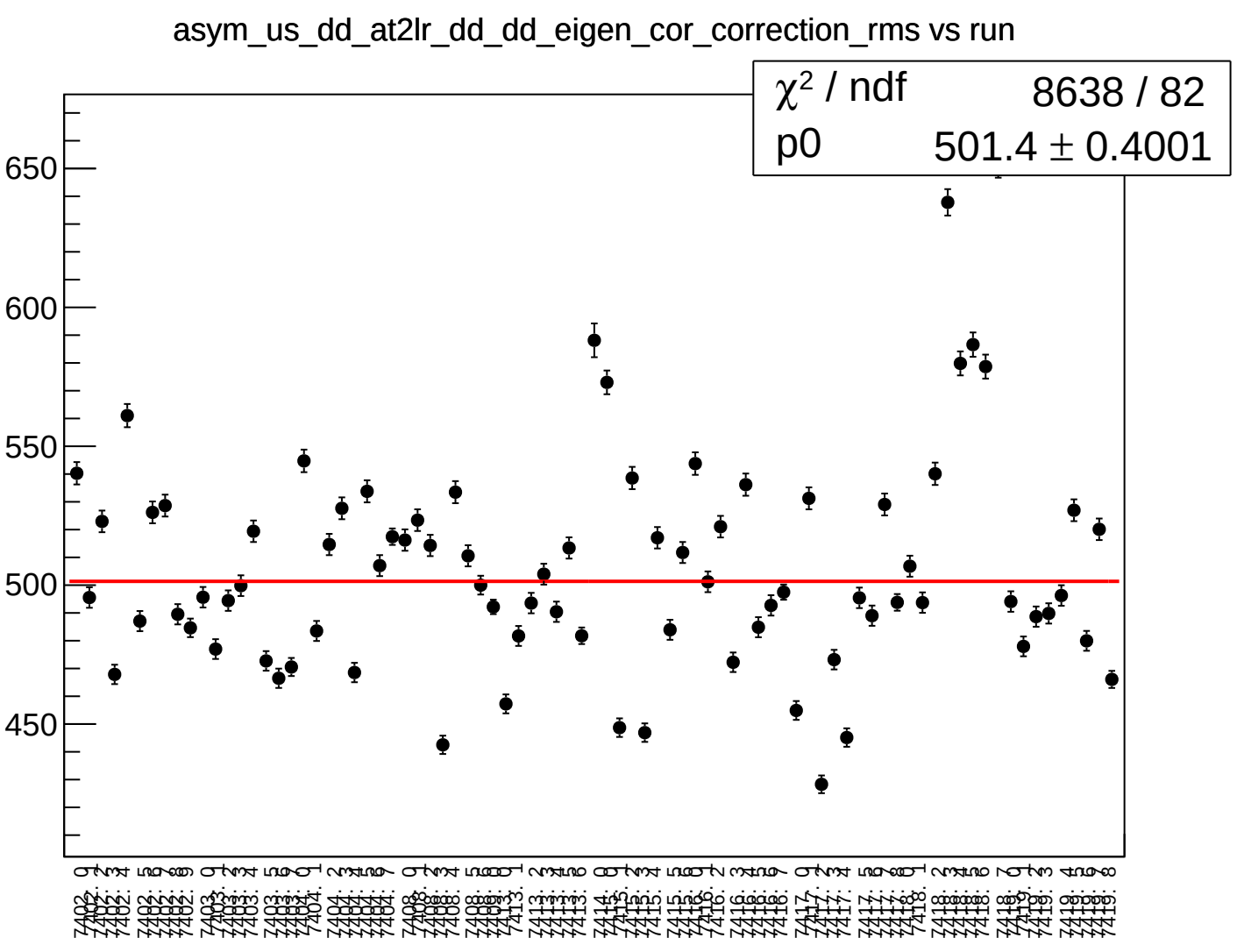

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 8638 / 82
p0 501.4 ± 0.4001
650
600
550
500
450

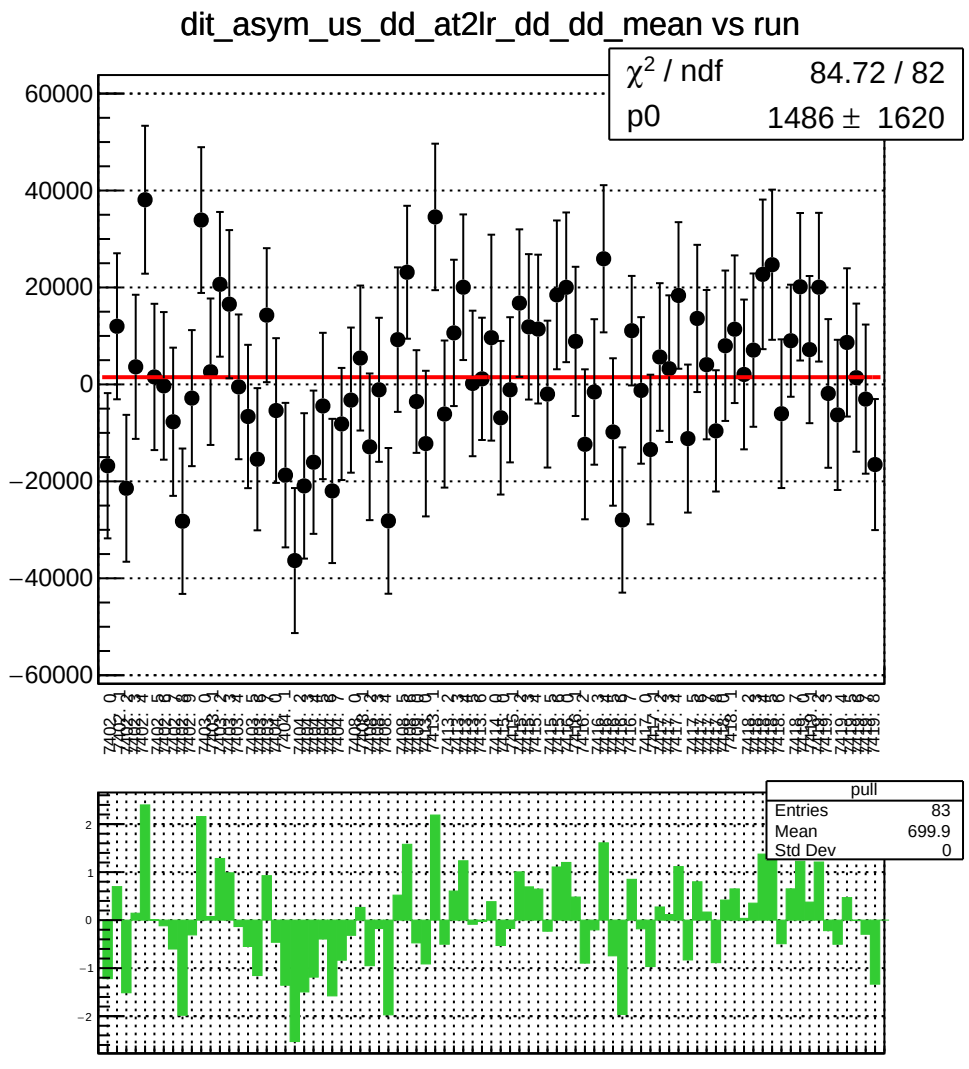

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 82.91 / 82
p0 1726 ± 1539
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 2290
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.001485
Std Dev 0.9994
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

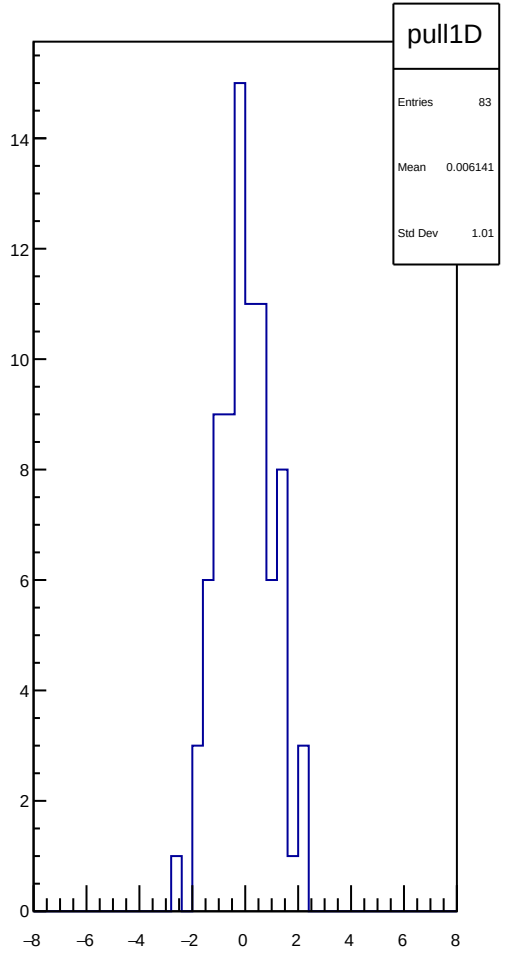

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 260.4 / 82
p0 1367 ± 1.088
1420
1400
1380
1360
1340
1320

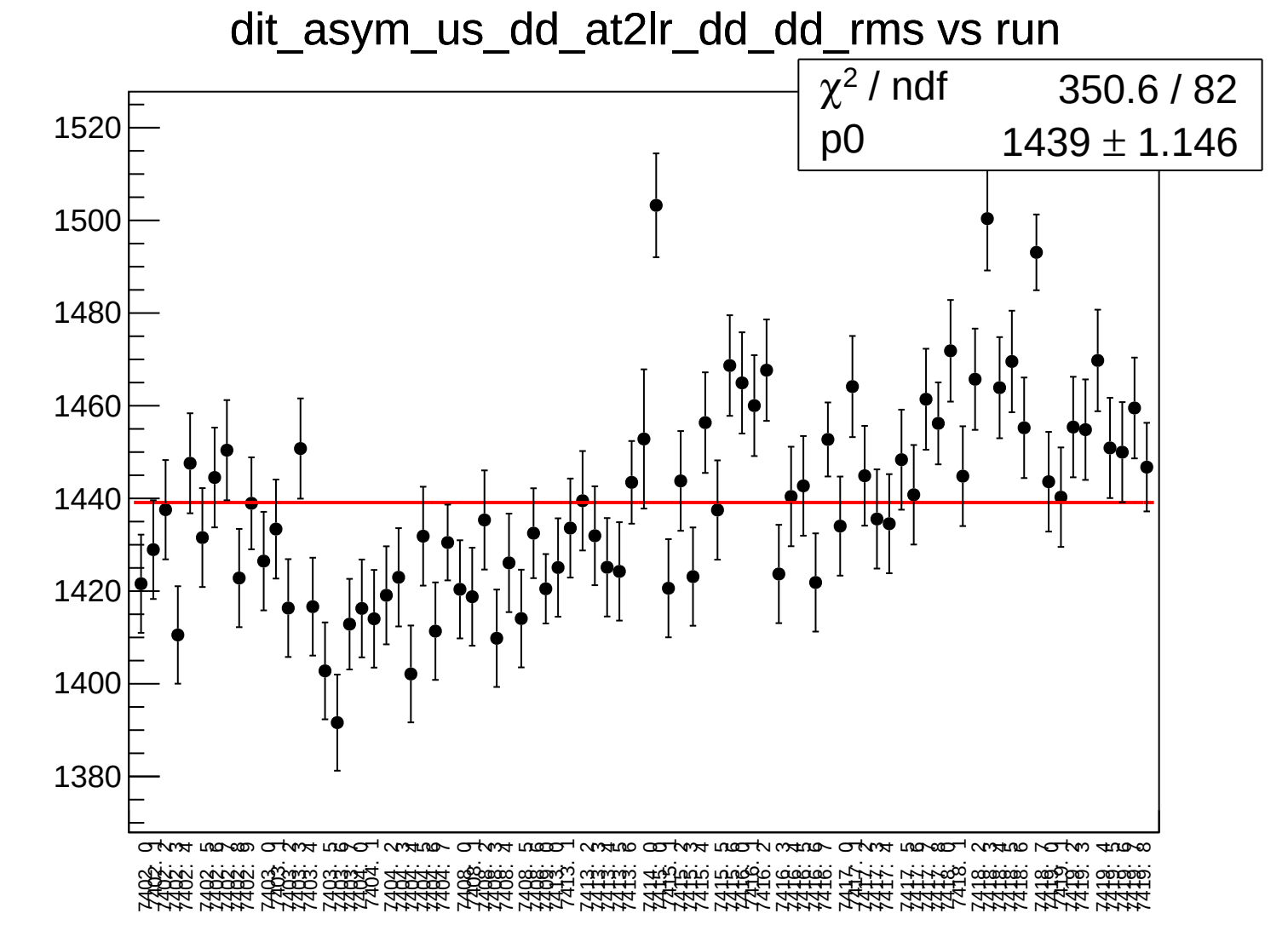

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.68 / 82
p0 174.2 ± 565.9
pull
Entries 83
Mean −112.7
Std Dev 0

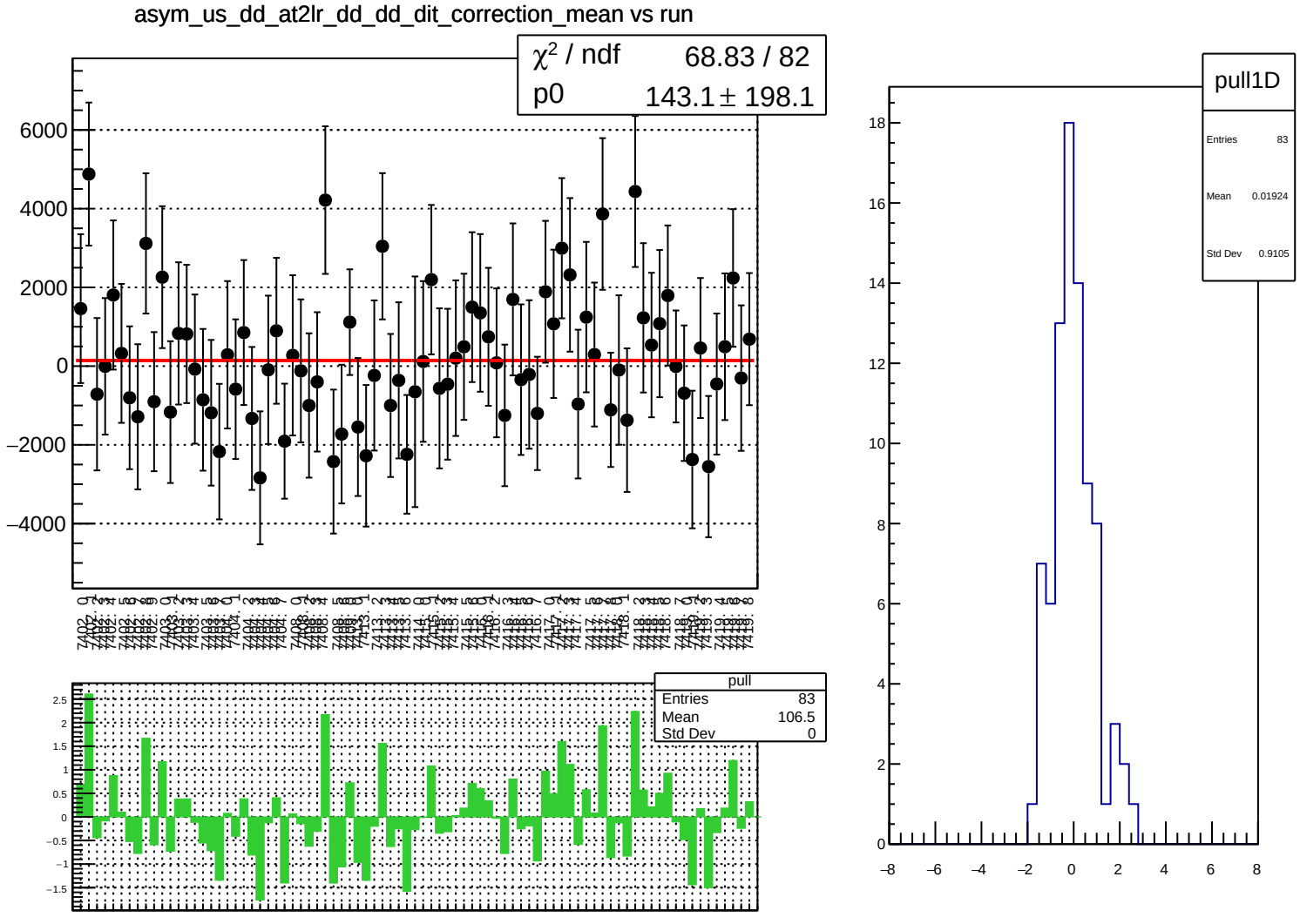

pull1D
Entries 83
Mean 0.01375
Std Dev 0.9485

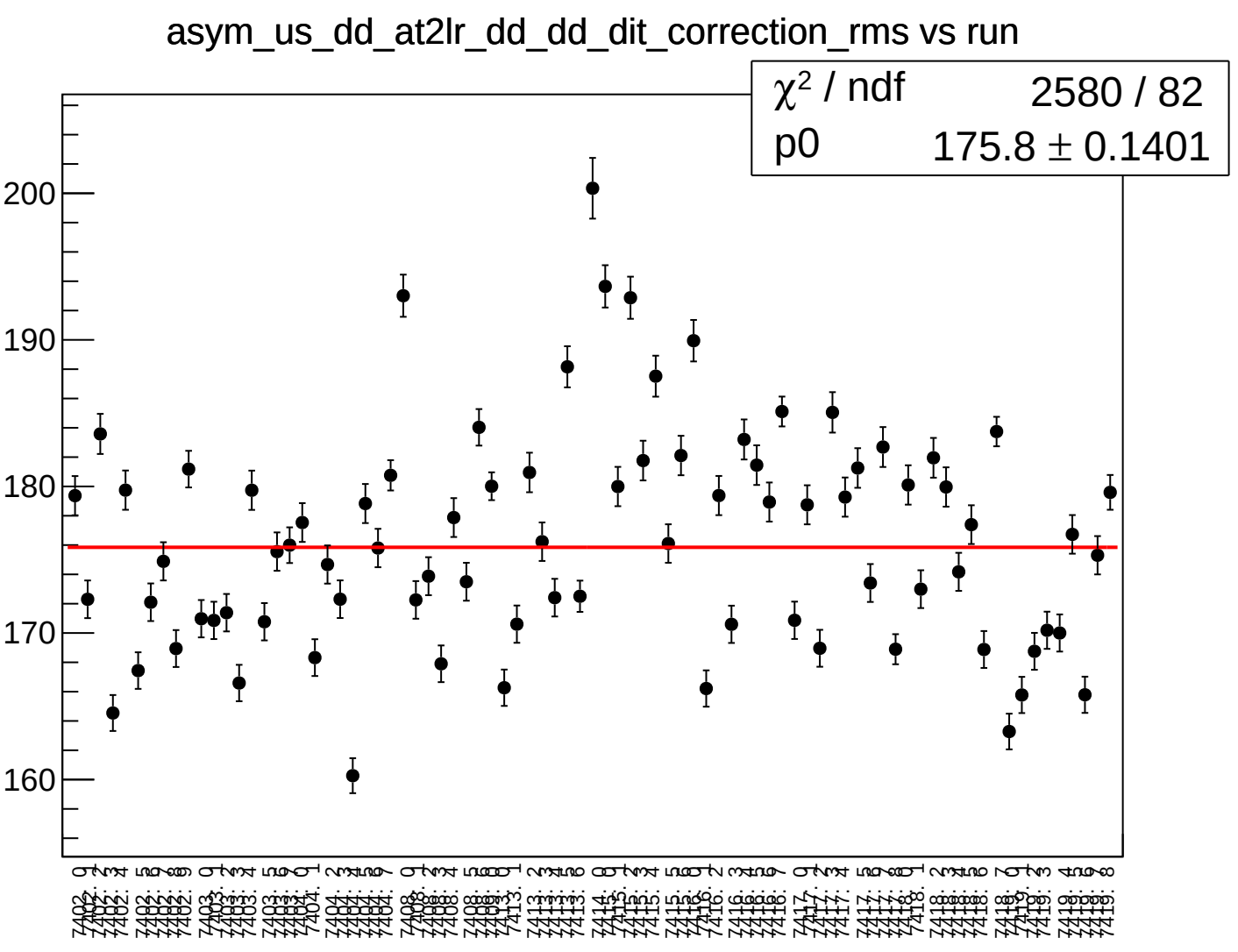

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 8638 / 82
p0 501.4 ± 0.4001
650
600
550
500
450

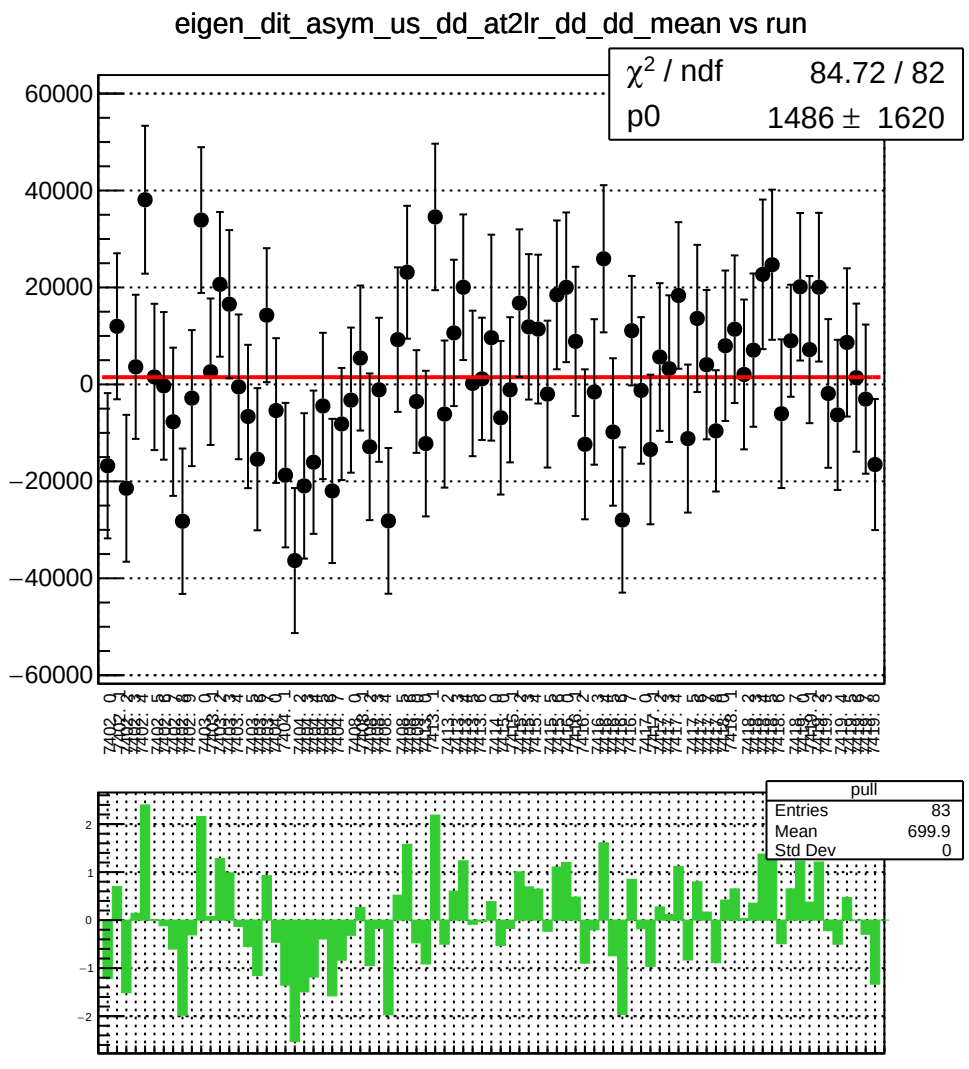

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 84.72 / 82
p0 1486 ± 1620
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 699.9
Std Dev 0
2
1
0
−1
−2

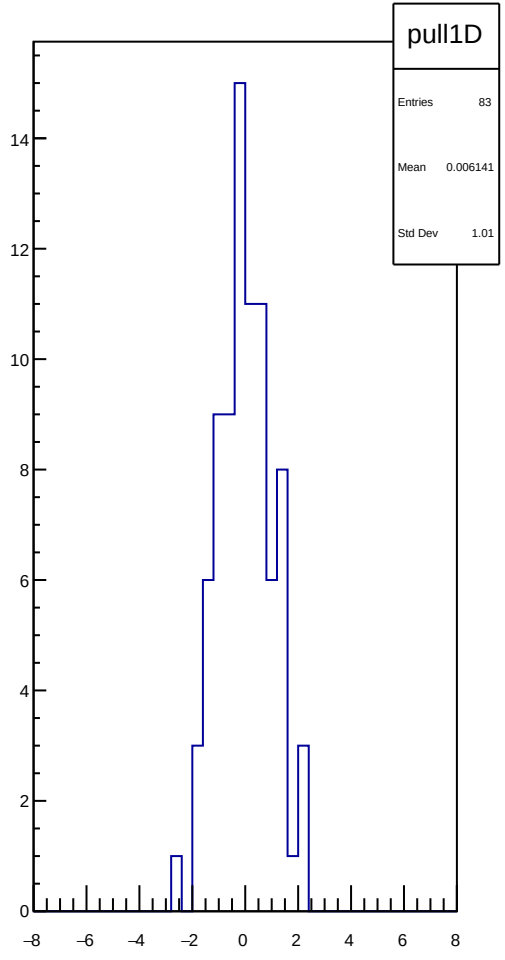

pull1D
Entries 83
Mean 0.006141
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

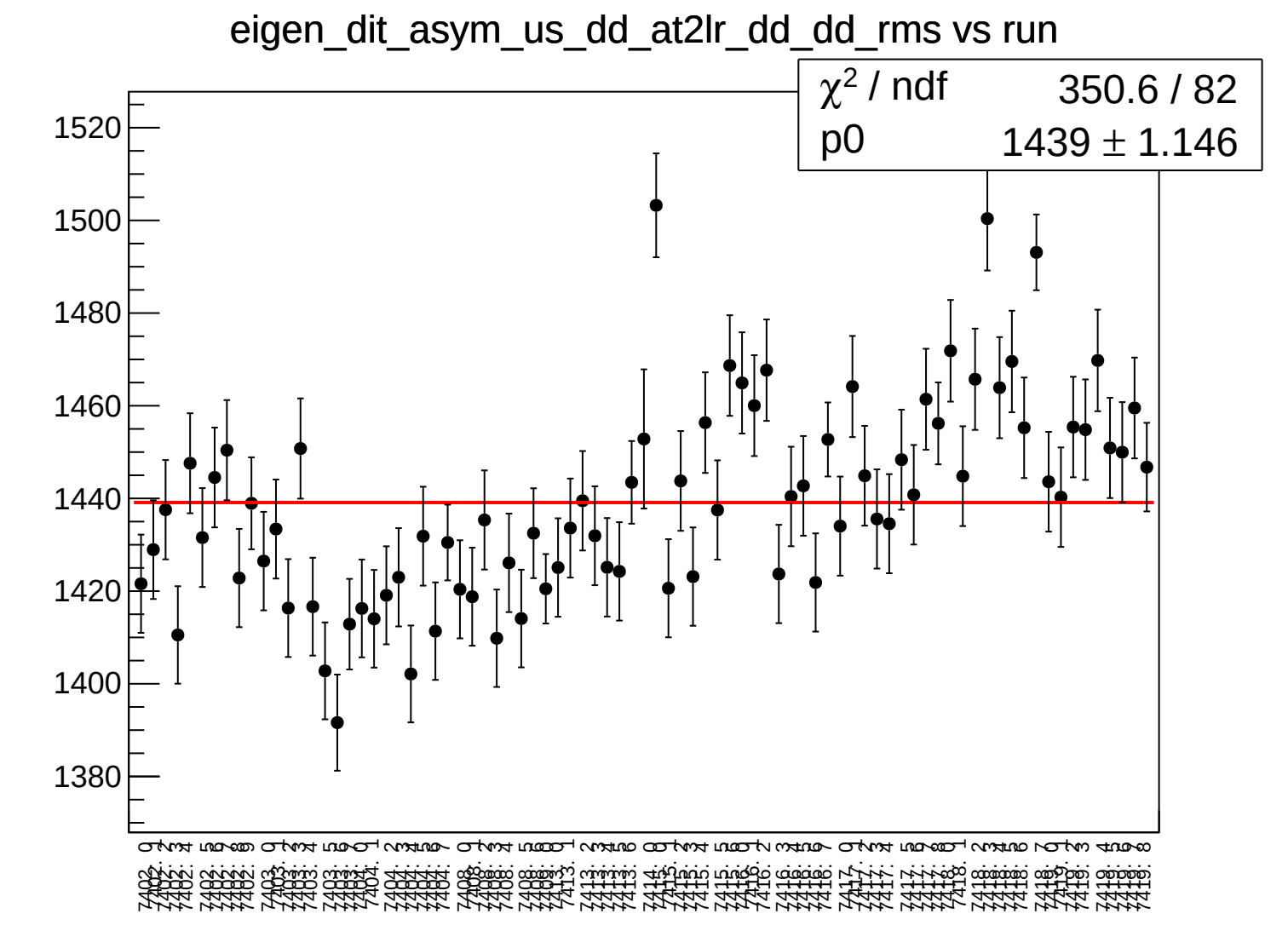

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 350.6 / 82
p0 1439 ± 1.146
1520
1500
1480
1460
1440
1420
1400
1380

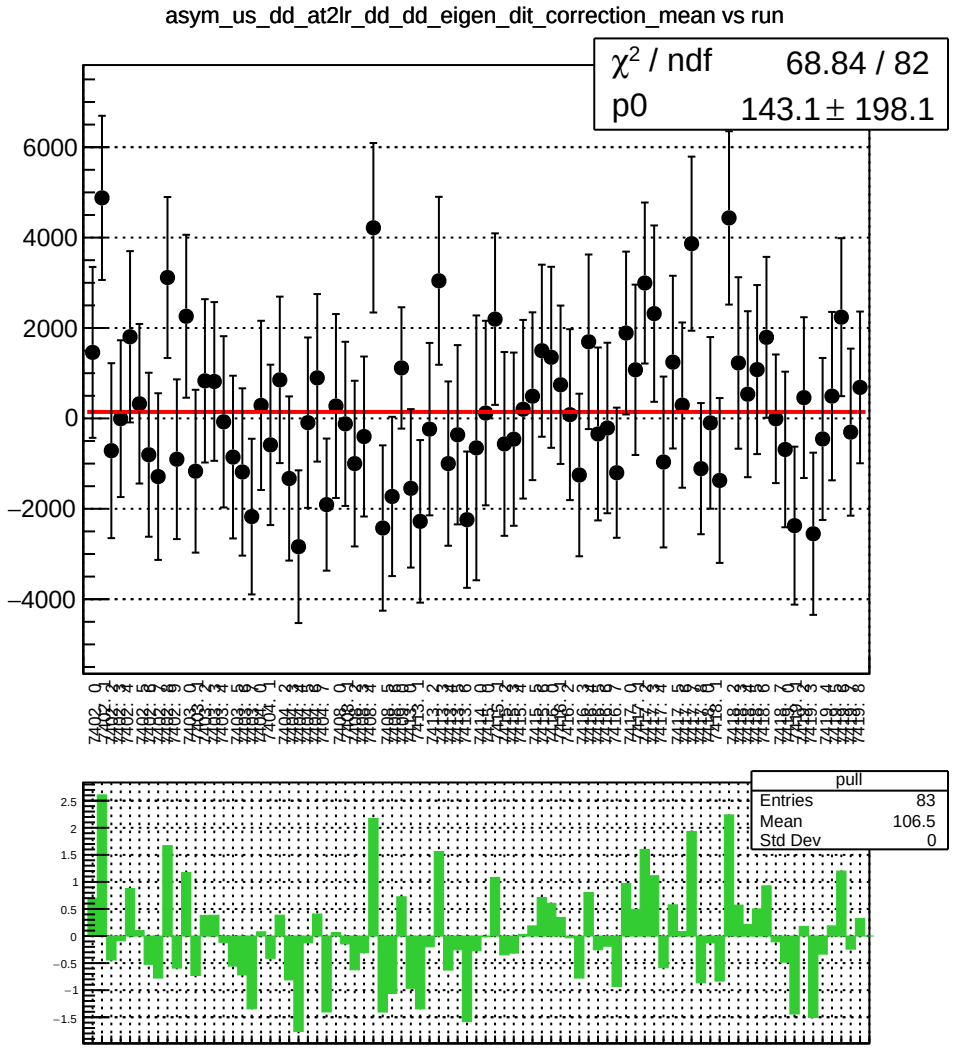

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 68.83 / 82
p0 143.1 ± 198.1
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 106.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.01924
Std Dev 0.9105
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

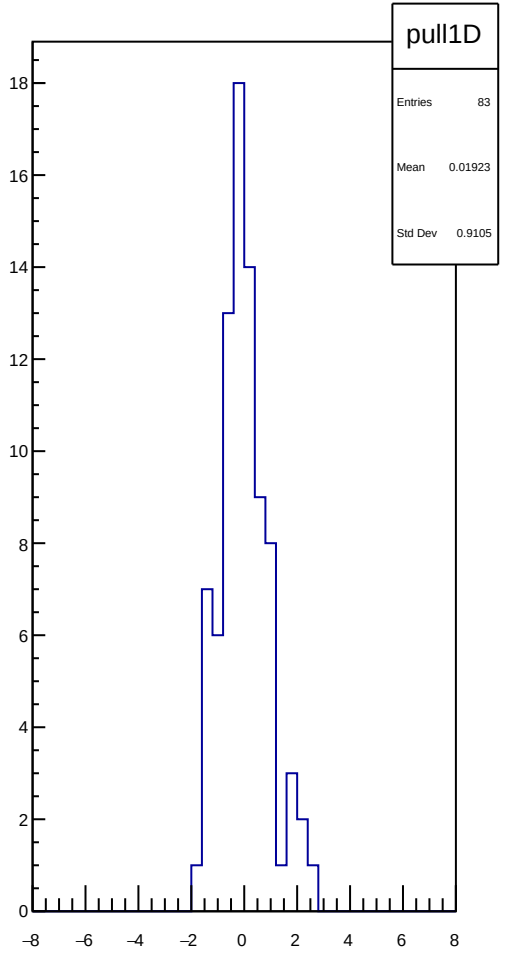

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 2580 / 82
p0 175.8 ± 0.1401
200
190
180
170
160

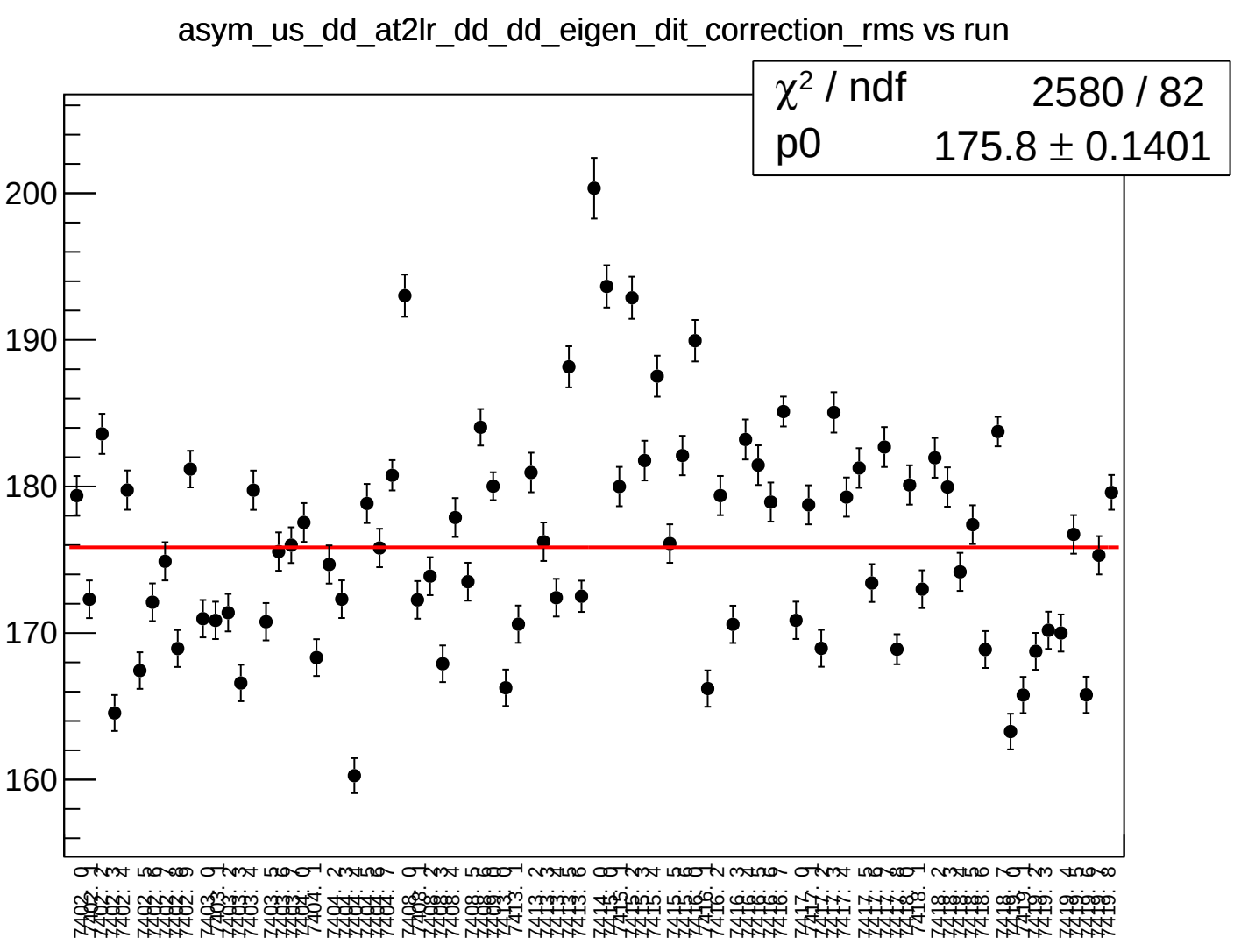

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 84.72 / 82
p0 1486 ± 1620
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 699.9
Std Dev 0
2
1
0
−1
−2

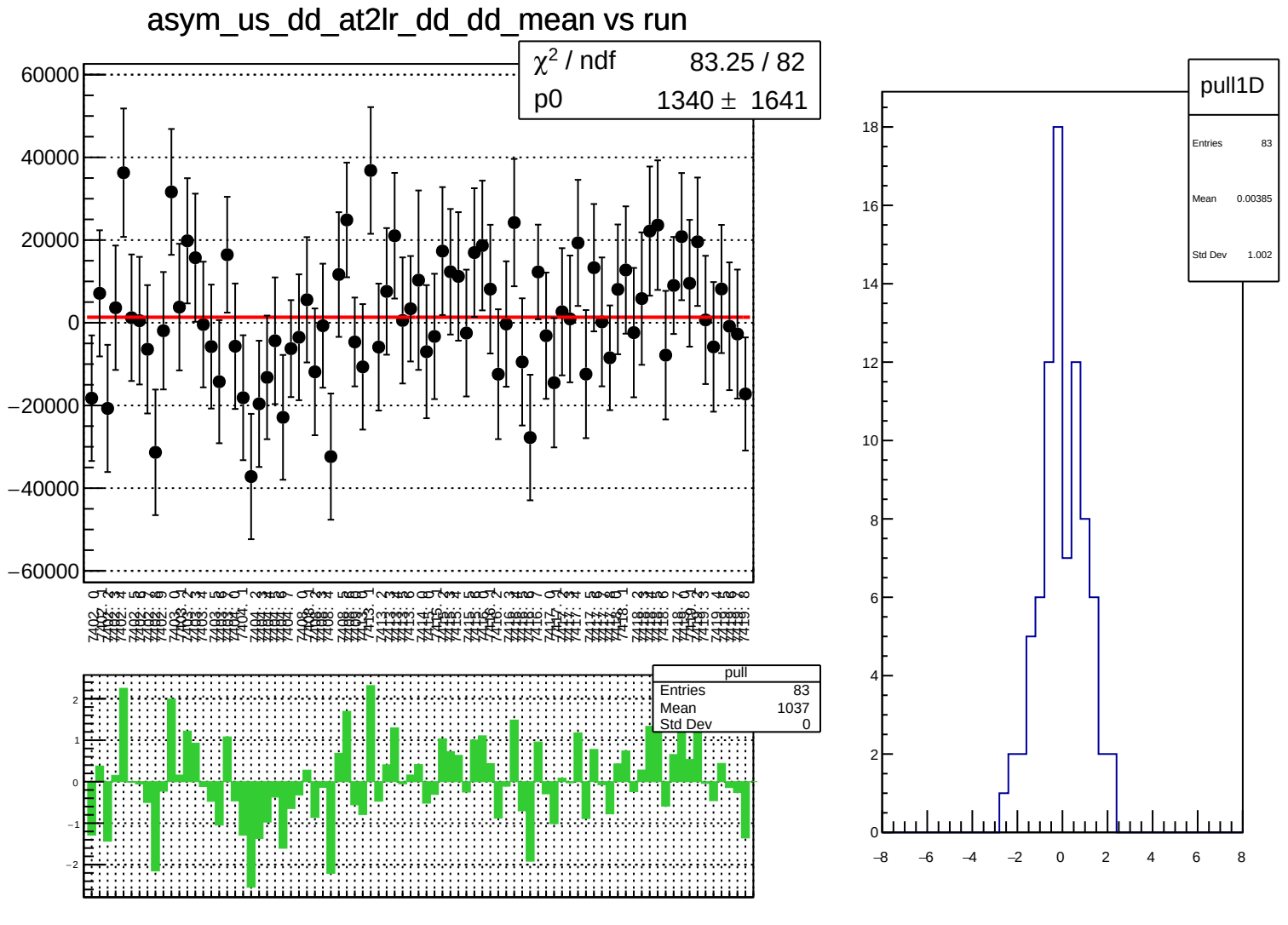

pull1D
Entries 83
Mean 0.006141
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

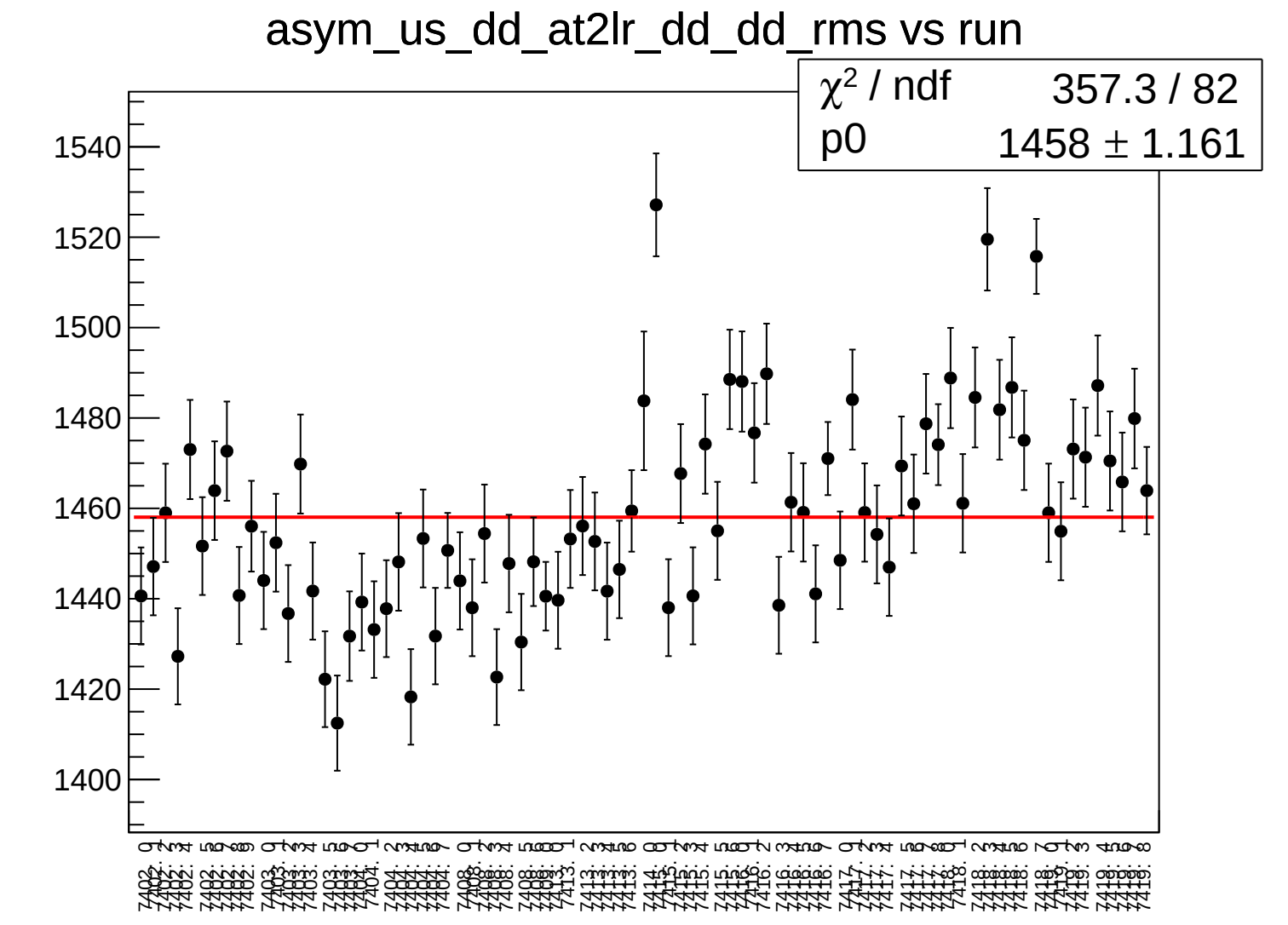

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 350.6 / 82
p0 1439 ± 1.146
1520
1500
1480
1460
1440
1420
1400
1380

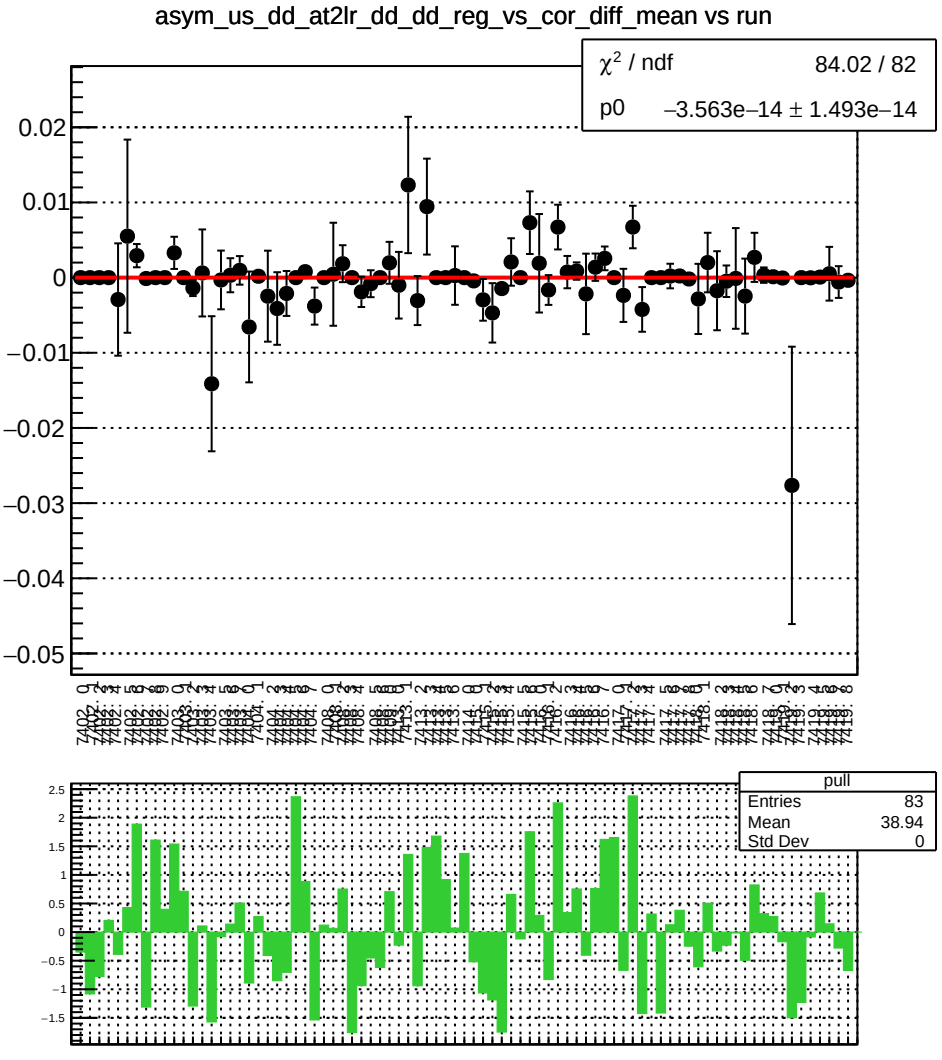

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 68.84 / 82
p0 143.1 ± 198.1
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 106.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

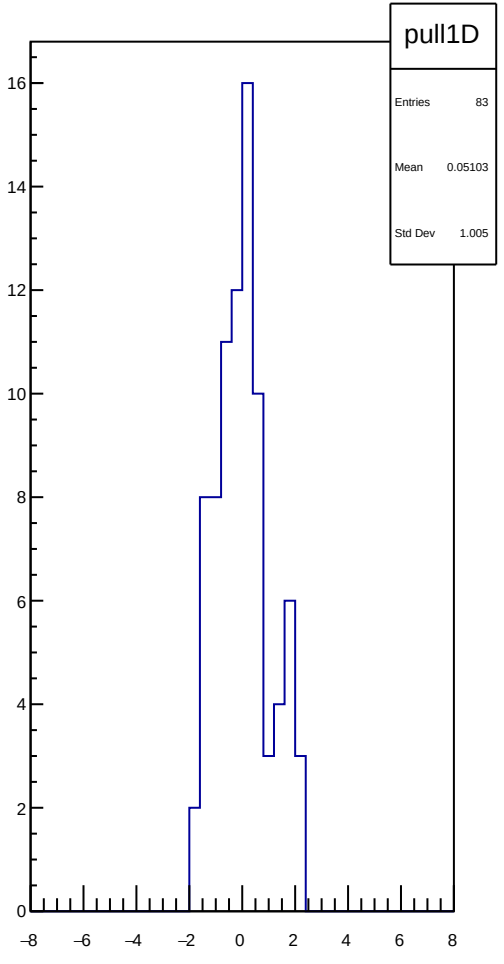

pull1D
Entries 83
Mean 0.01923
Std Dev 0.9105
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

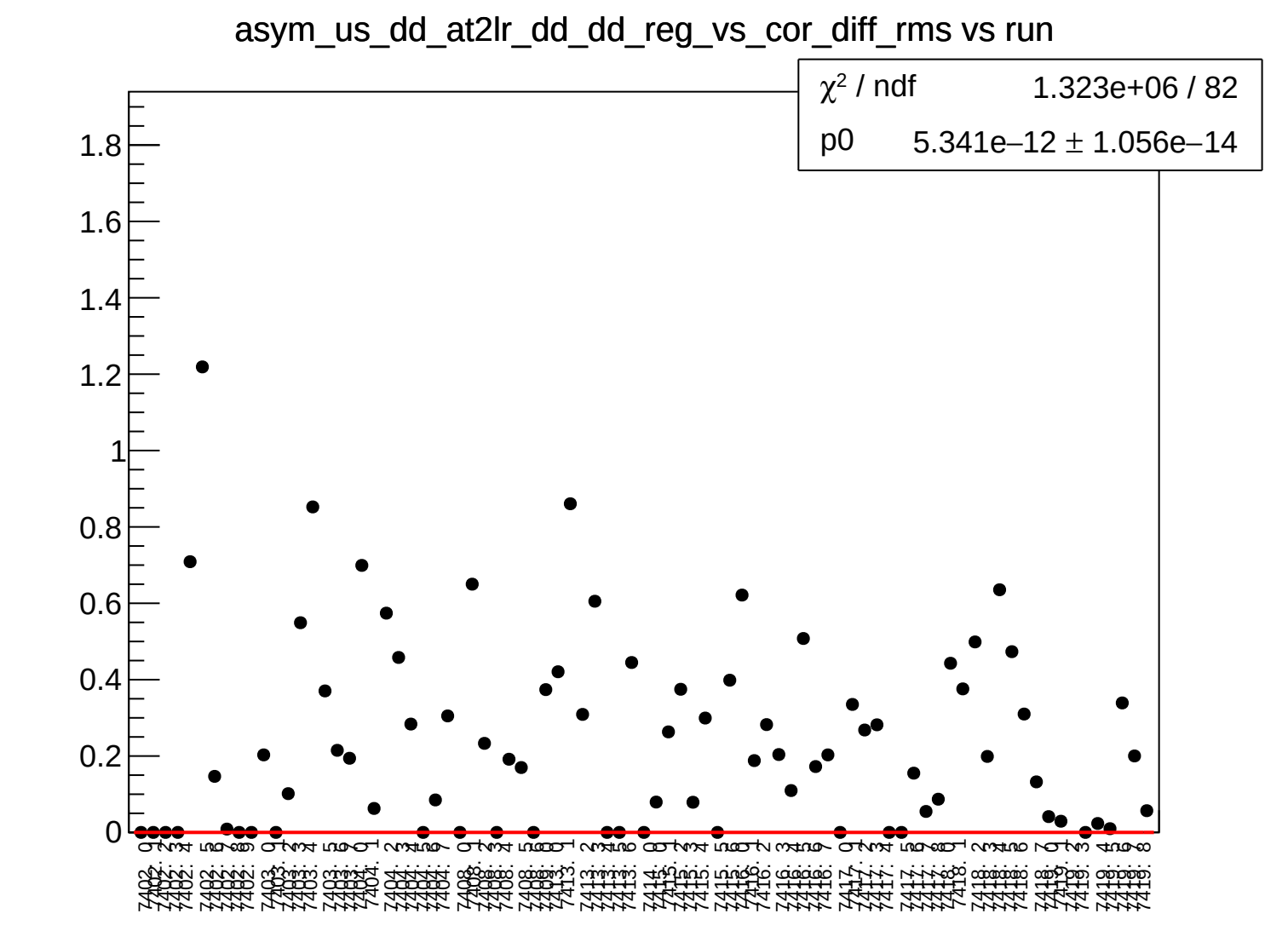

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2580 / 82
p0 175.8 ± 0.1401
200
190
180
170
160

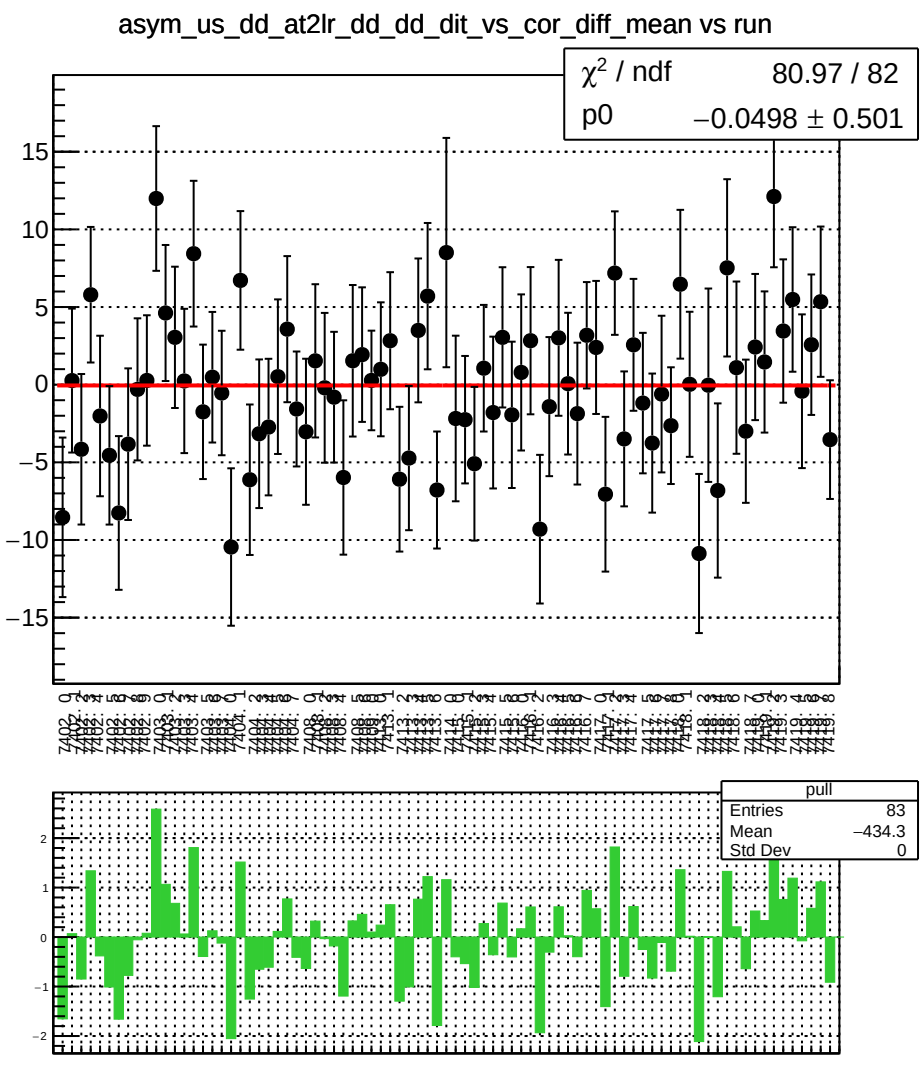

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 83.25 / 82
p0 1340 ± 1641
pull
Entries 83
Mean 1037
Std Dev 0
pull1D
Entries 83
Mean 0.00385
Std Dev 1.002

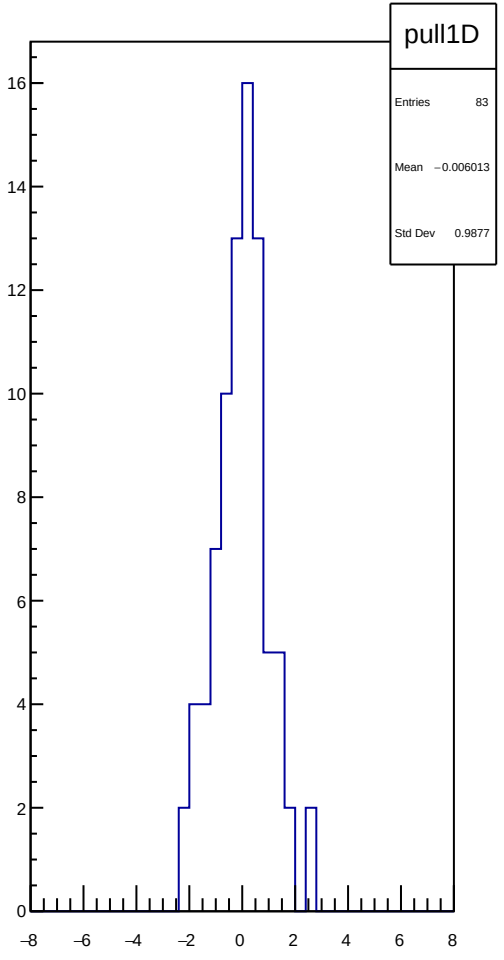

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 357.3 / 82
p0 1458 ± 1.161
1540
1520
1500
1480
1460
1440
1420
1400

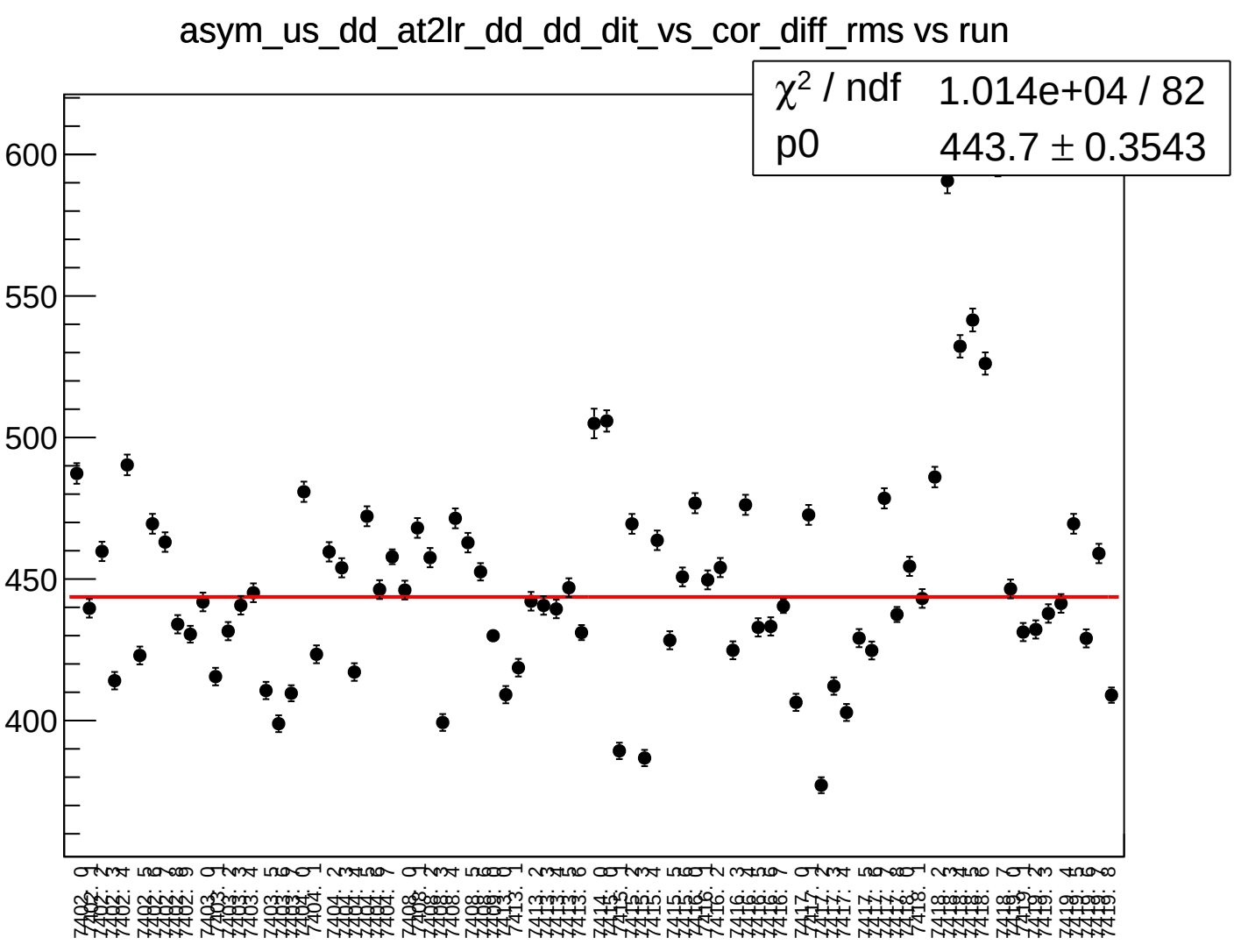

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.02 / 82
p0 −3.563e−14 ± 1.493e−14
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
pull
Entries 83
Mean 38.94
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

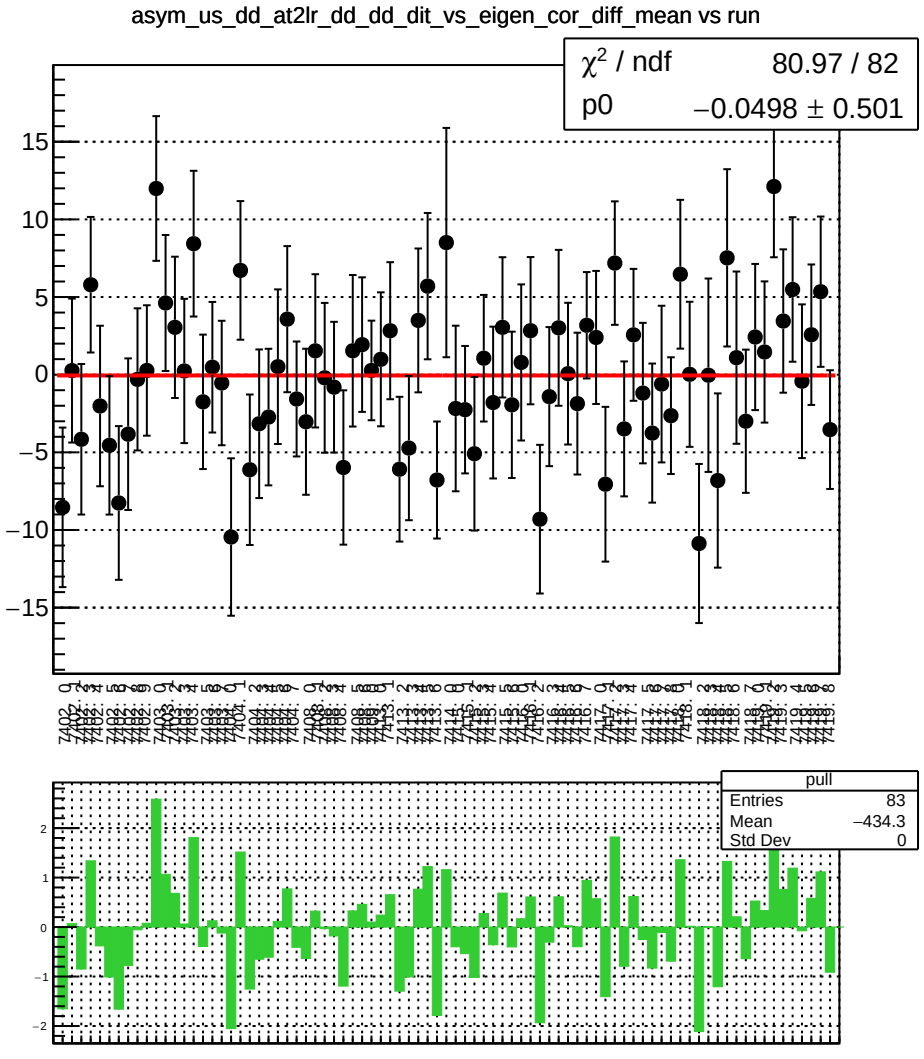

pull1D
Entries 83
Mean 0.05103
Std Dev 1.005
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

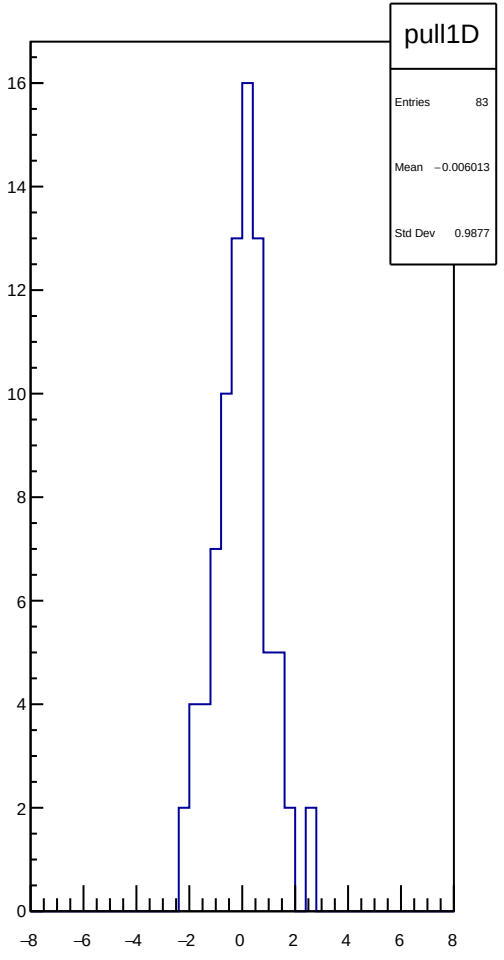

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.323e+06 / 82
p0 5.341e−12 ± 1.056e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

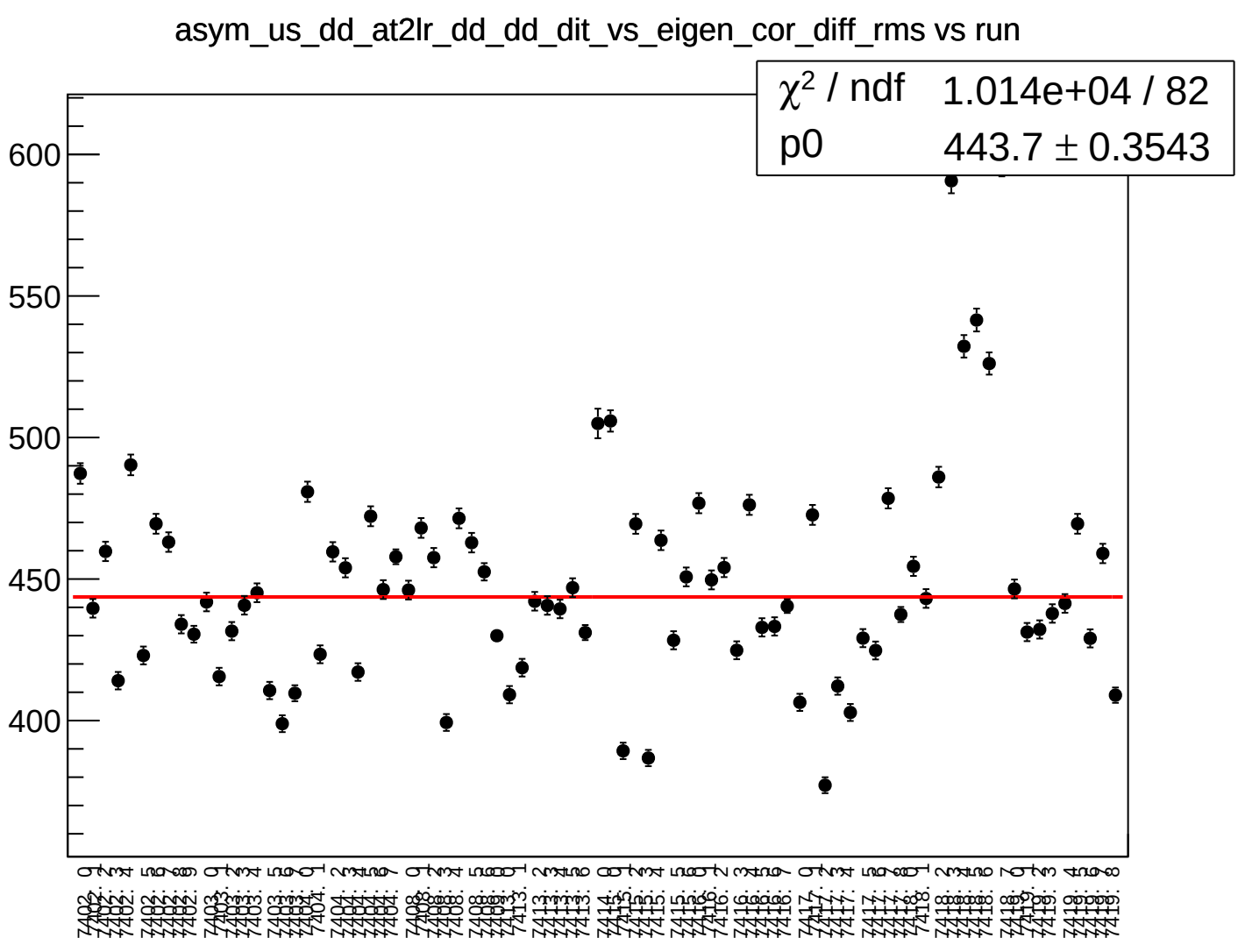

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.97 / 82
p0 −0.0498 ± 0.501
pull
Entries 83
Mean −434.3
Std Dev 0

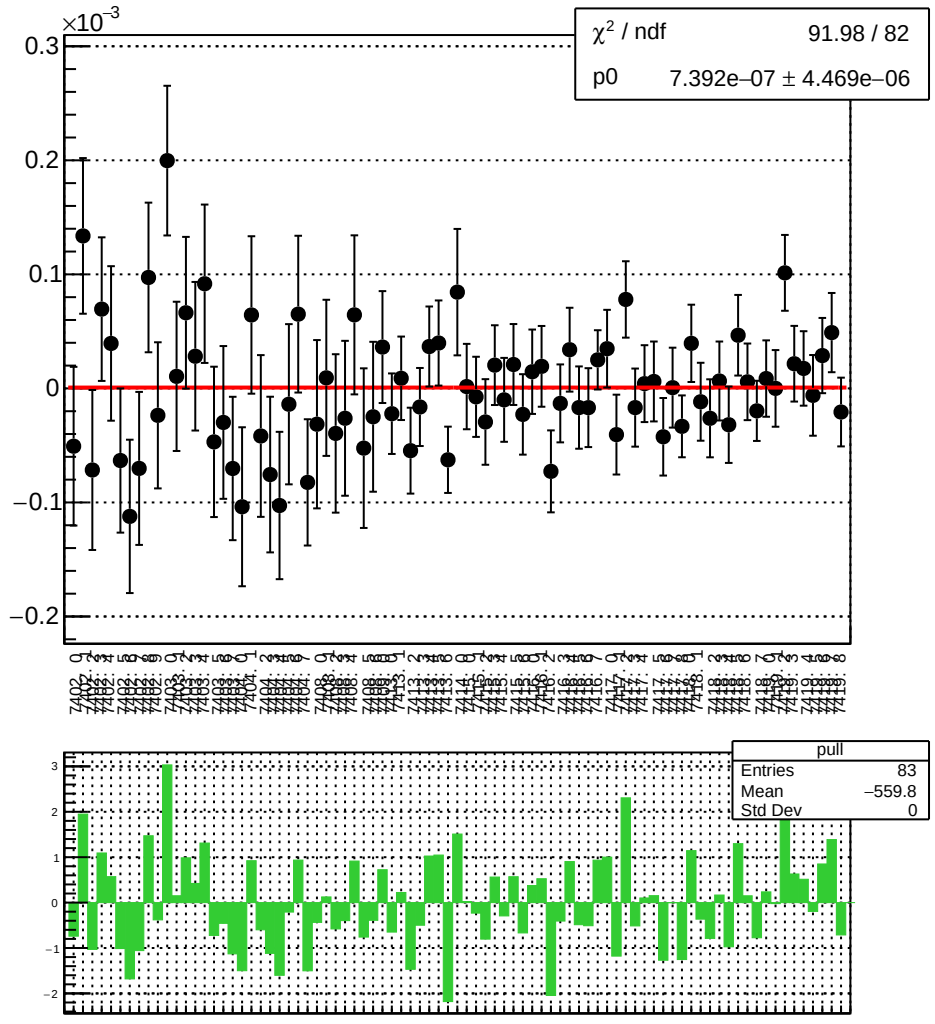

pull1D
Entries 83
Mean −0.006013
Std Dev 0.9877

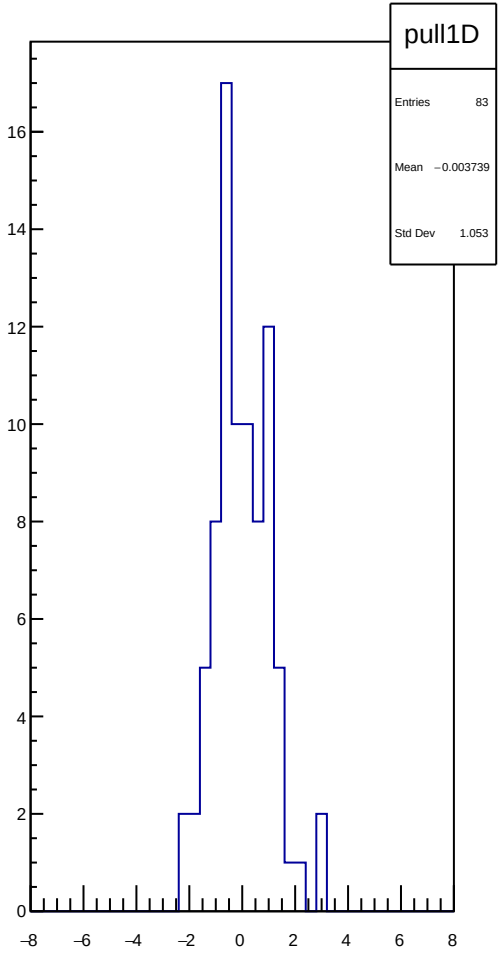

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.014e+04 / 82
p0 443.7 ± 0.3543
600
550
500
450
400

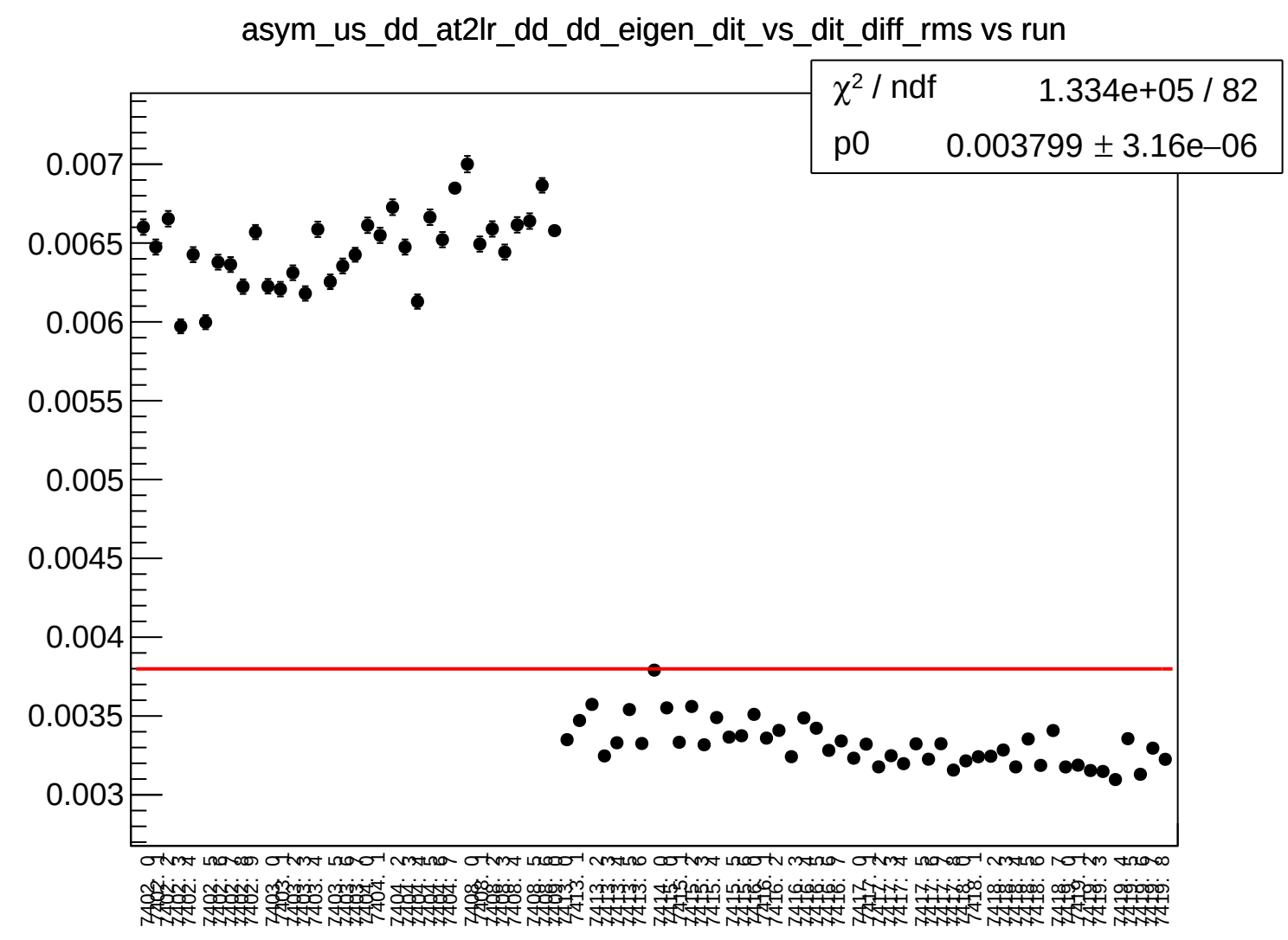

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.97 / 82
p0 −0.0498 ± 0.501
pull
Entries 83
Mean −434.3
Std Dev 0

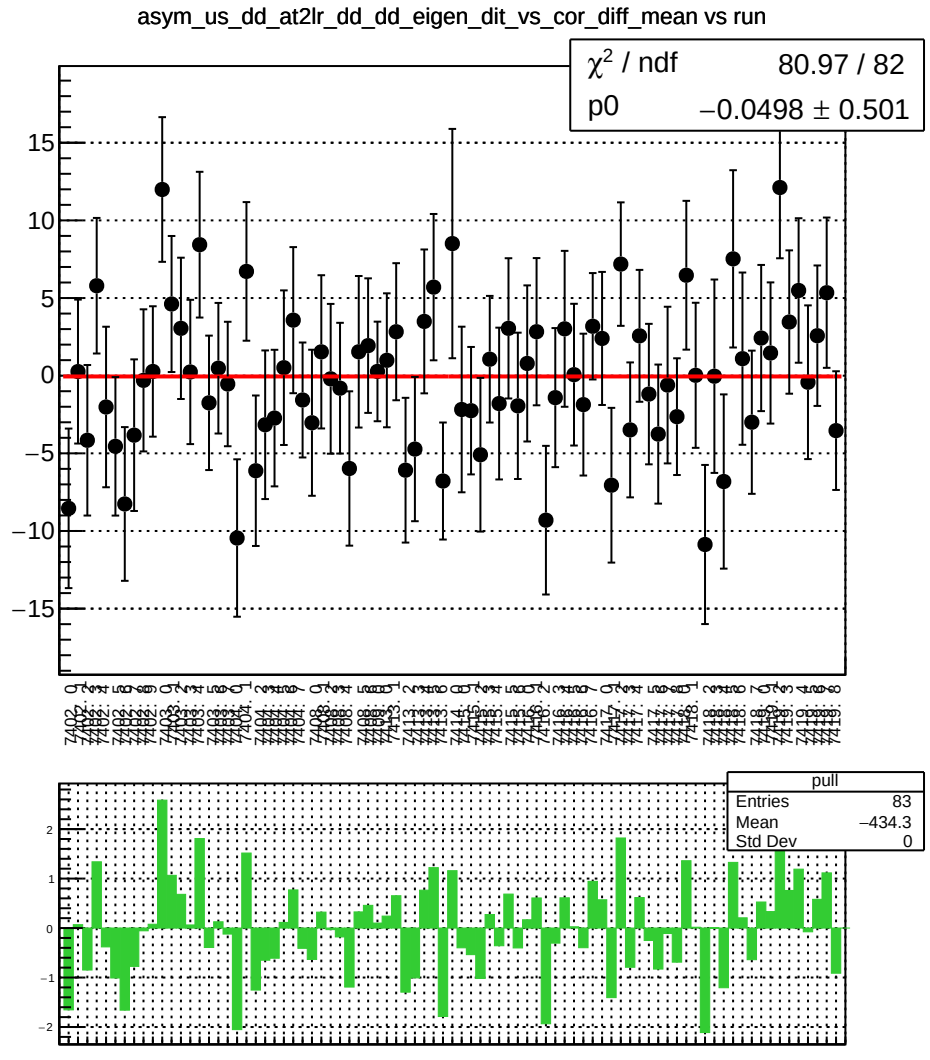

pull1D
Entries 83
Mean −0.006013
Std Dev 0.9877

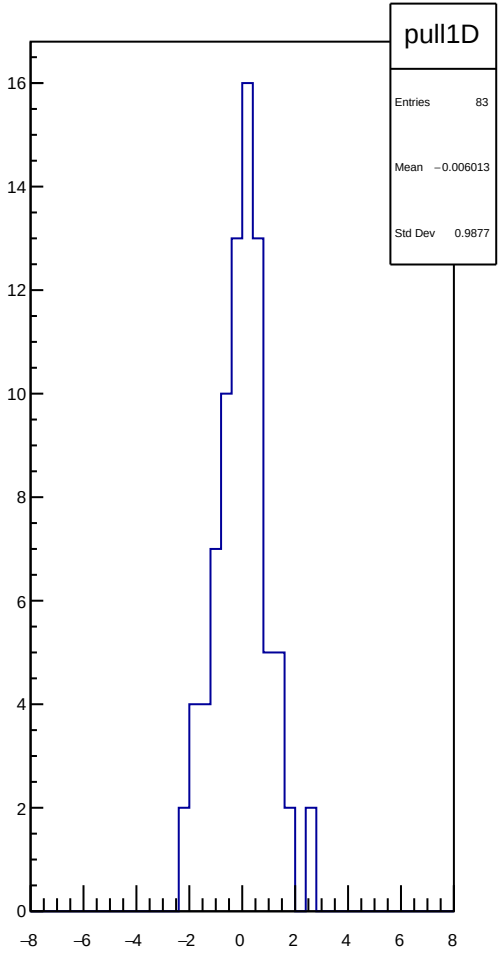

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.014e+04 / 82
p0 443.7 ± 0.3543
600
550
500
450
400

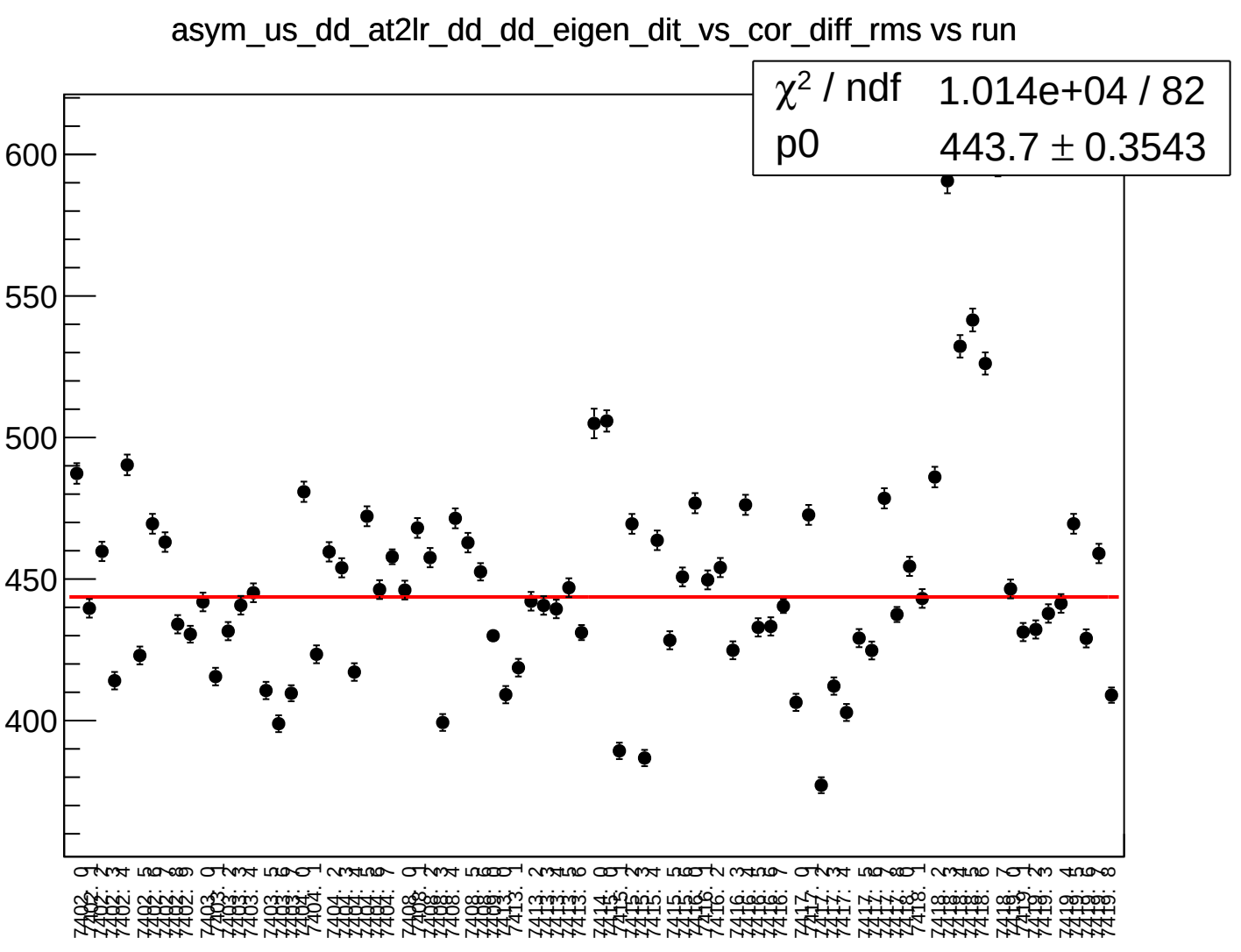

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.98 / 82
p0 7.392e−07 ± 4.469e−06
pull
Entries 83
Mean −559.8
Std Dev 0

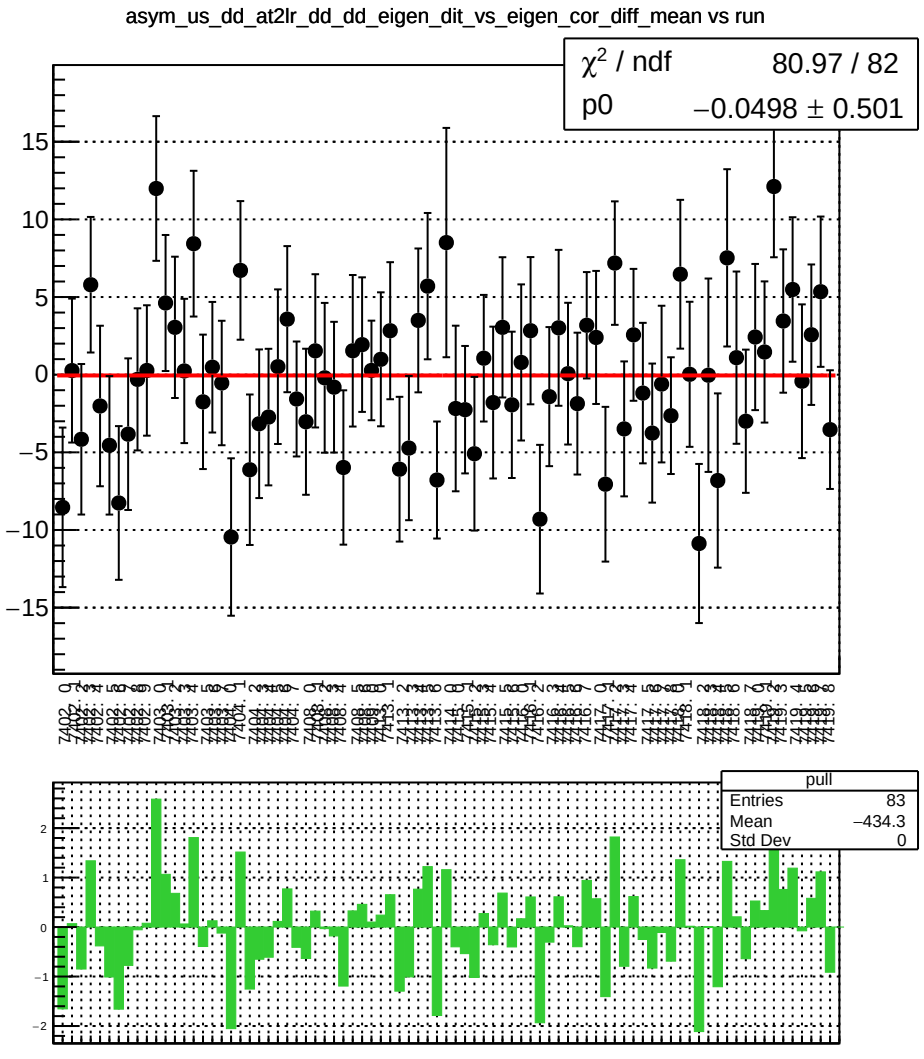

pull1D
Entries 83
Mean −0.003739
Std Dev 1.053

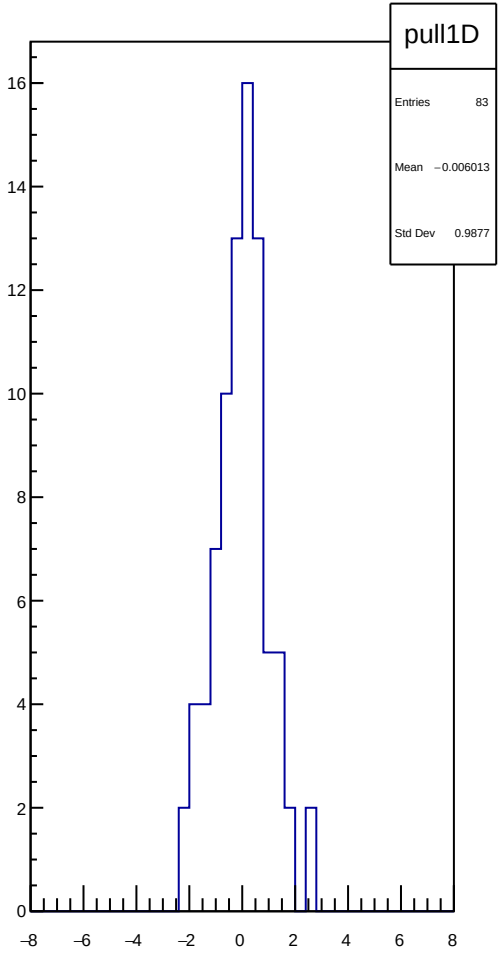

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.334e+05 / 82
p0 0.003799 ± 3.16e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

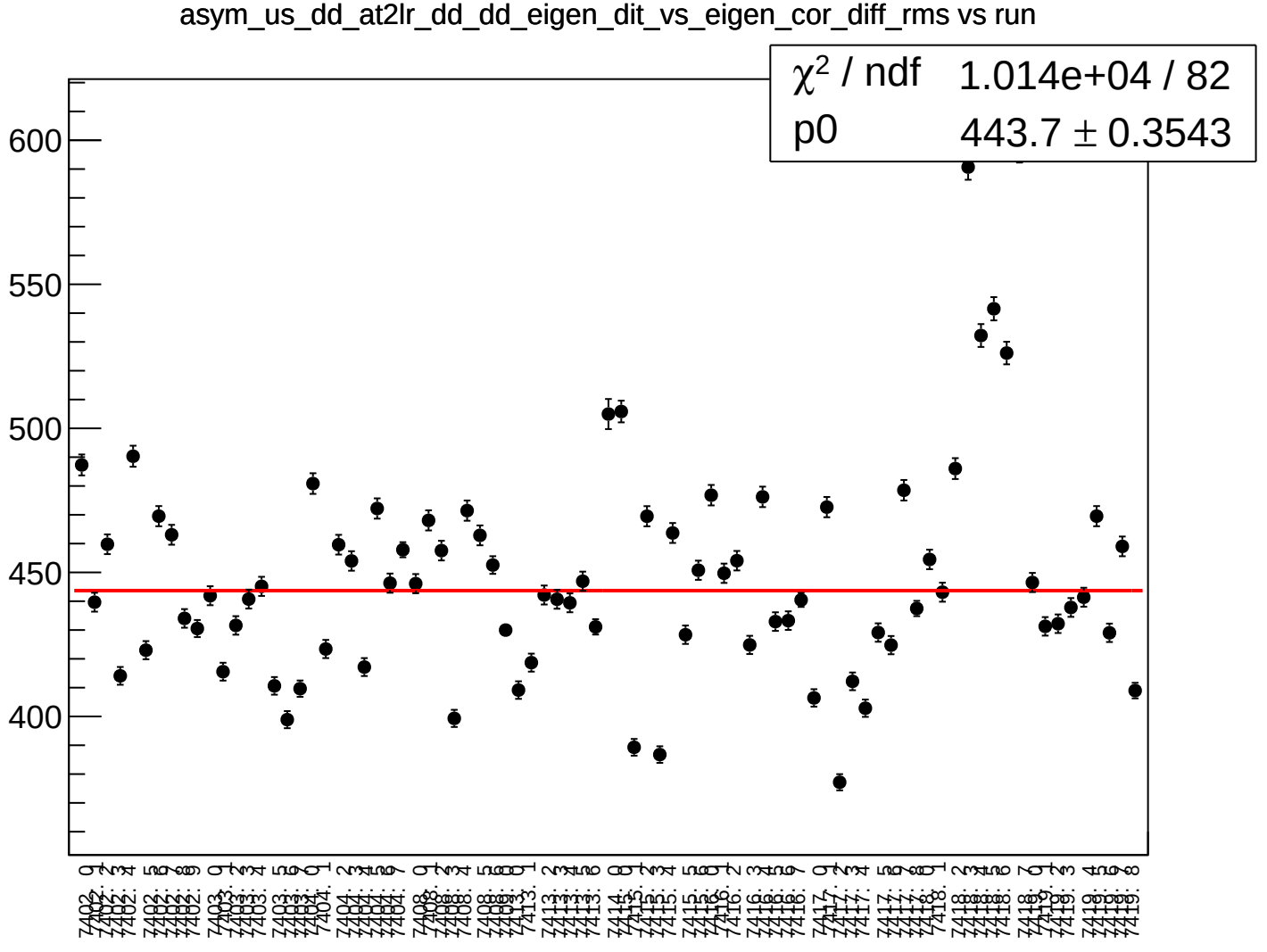

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.97 / 82
p0 −0.0498 ± 0.501
pull
Entries 83
Mean −434.3
Std Dev 0

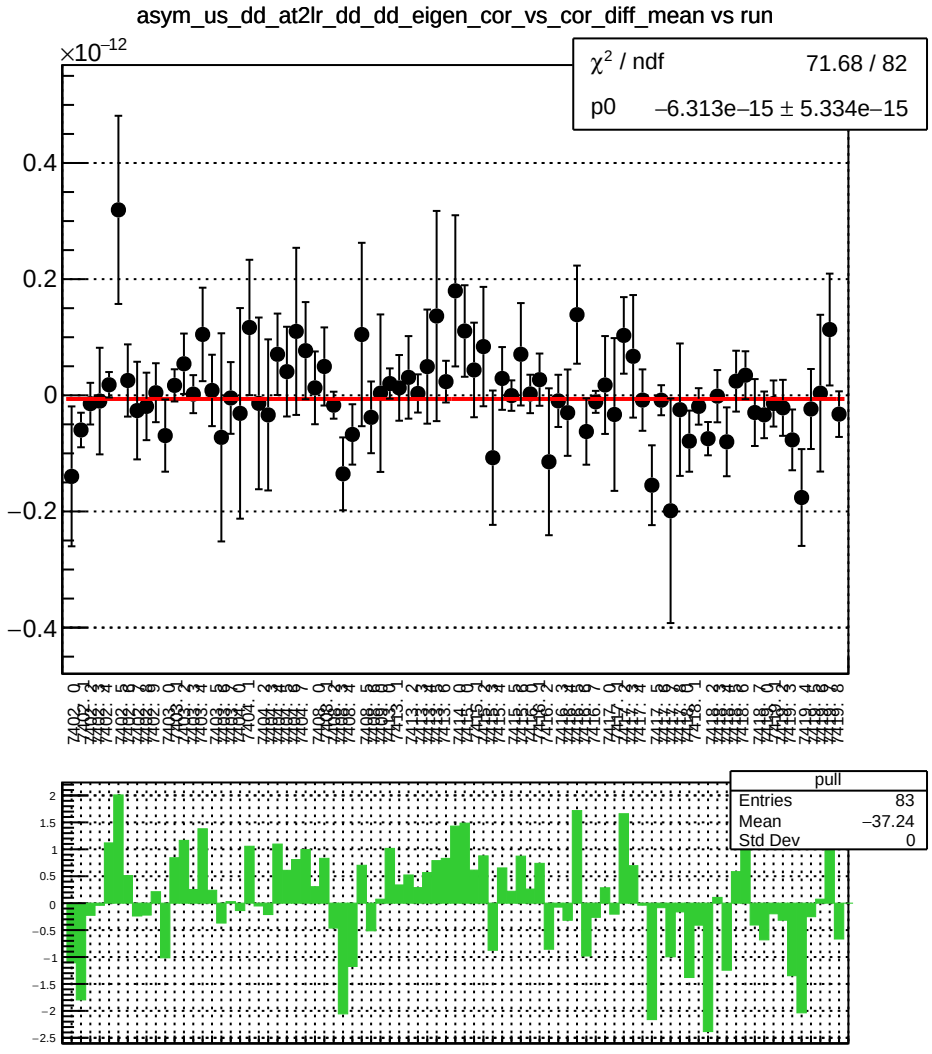

pull1D
Entries 83
Mean −0.006013
Std Dev 0.9877

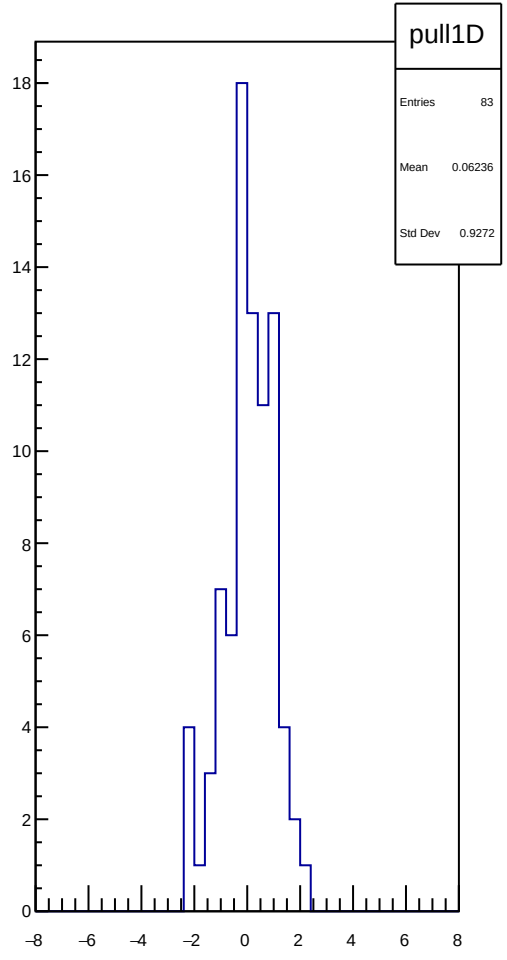

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.014e+04 / 82
p0 443.7 ± 0.3543
600
550
500
450
400

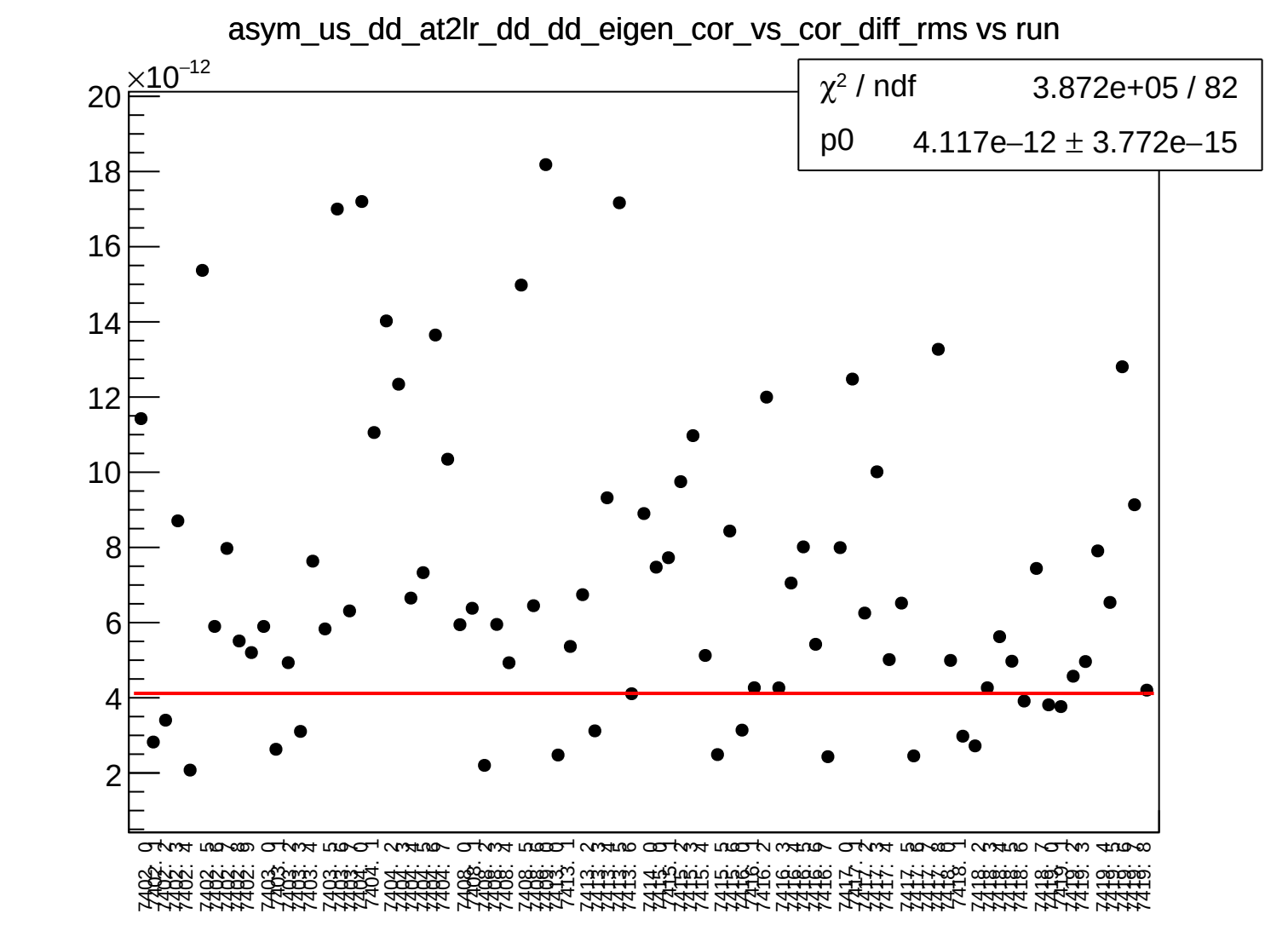

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.97 / 82
p0 −0.0498 ± 0.501
pull
Entries 83
Mean −434.3
Std Dev 0

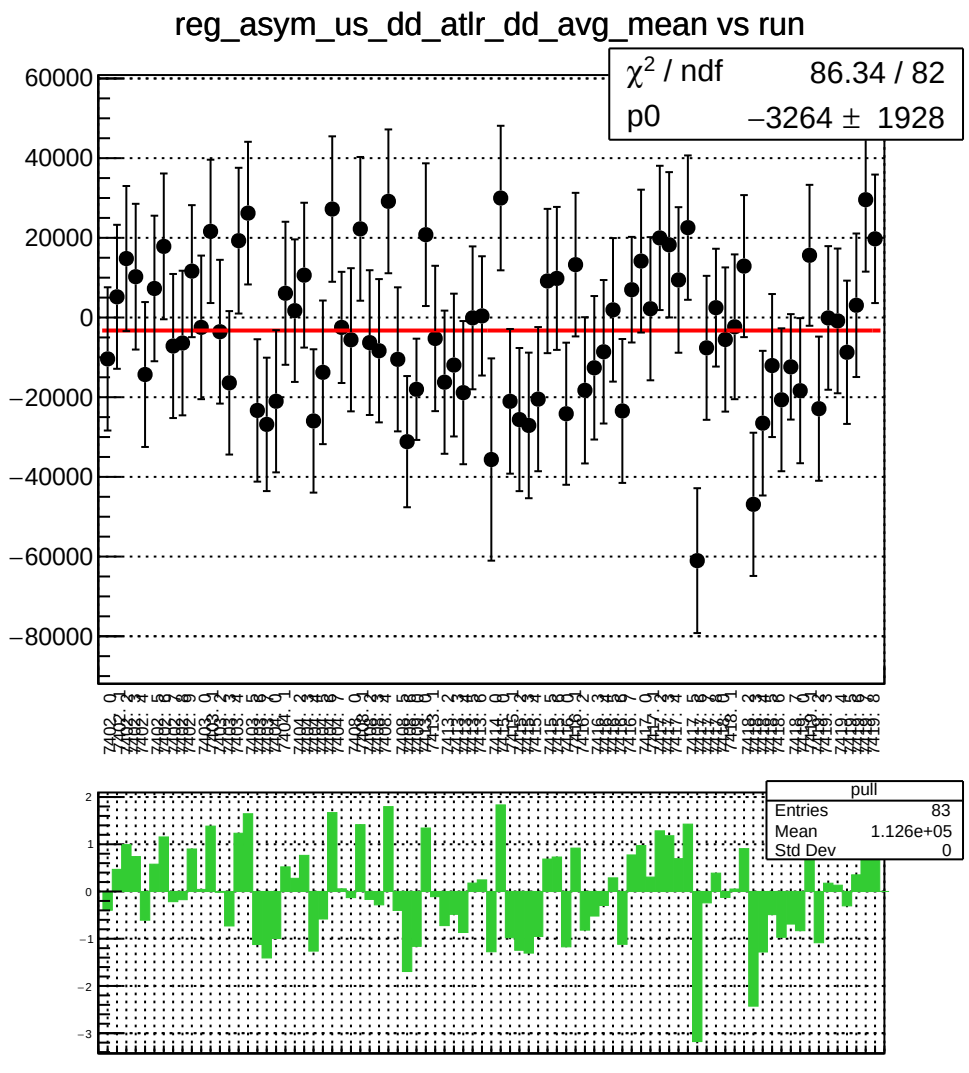

pull1D
Entries 83
Mean −0.006013
Std Dev 0.9877

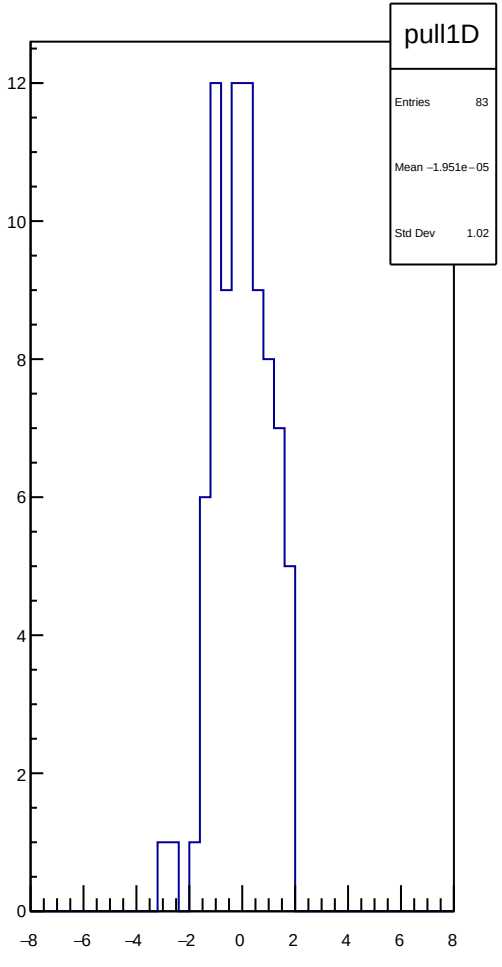

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.014e+04 / 82
p0 443.7 ± 0.3543
600
550
500
450
400

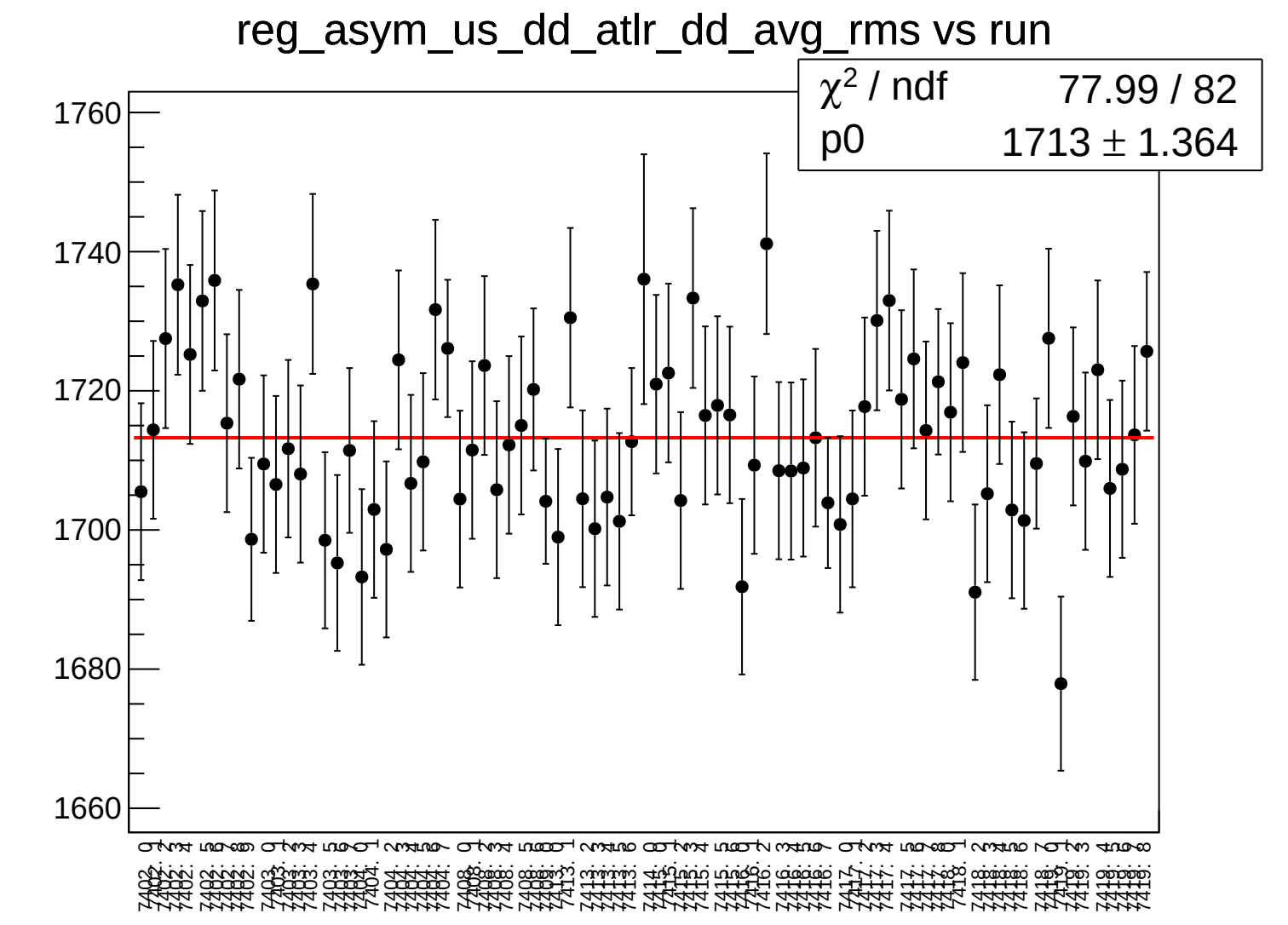

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.68 / 82
p0 −6.313e−15 ± 5.334e−15
pull
Entries 83
Mean −37.24
Std Dev 0

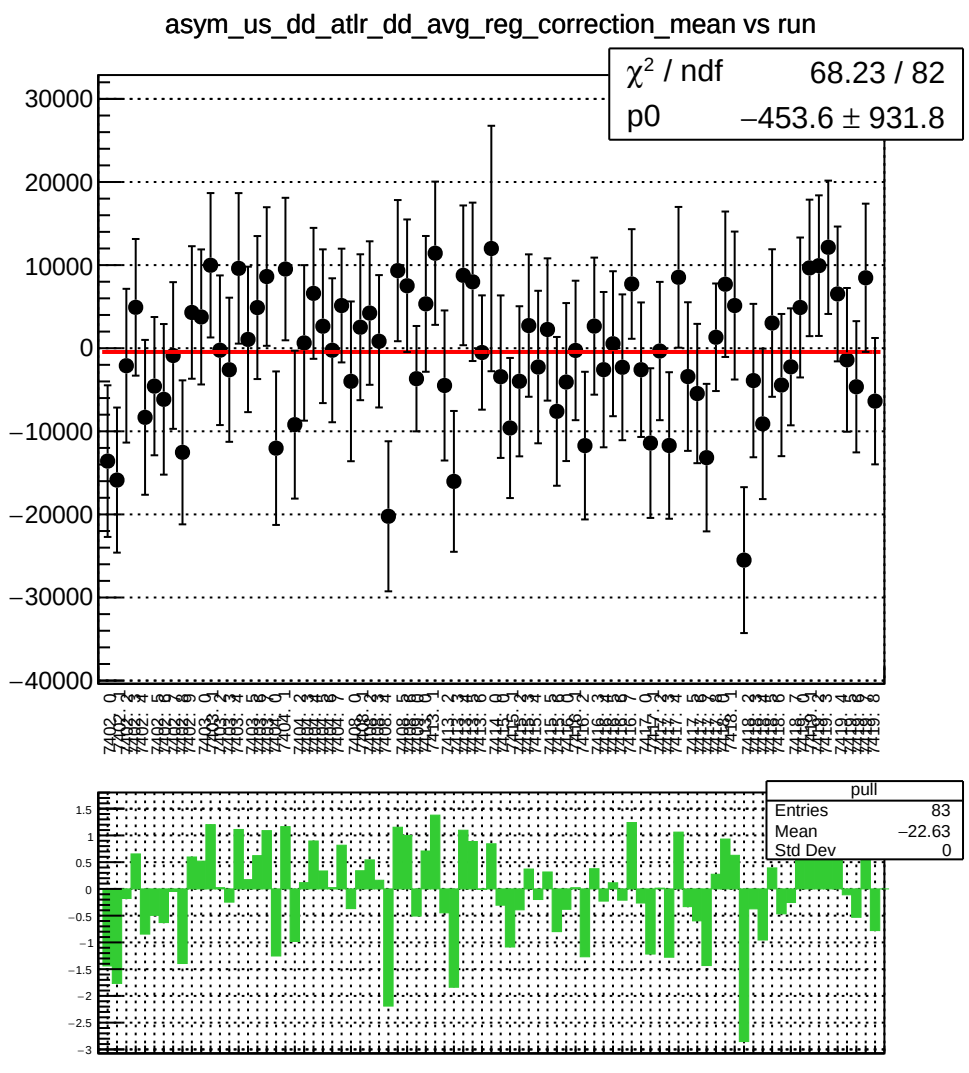

pull1D
Entries 83
Mean 0.06236
Std Dev 0.9272

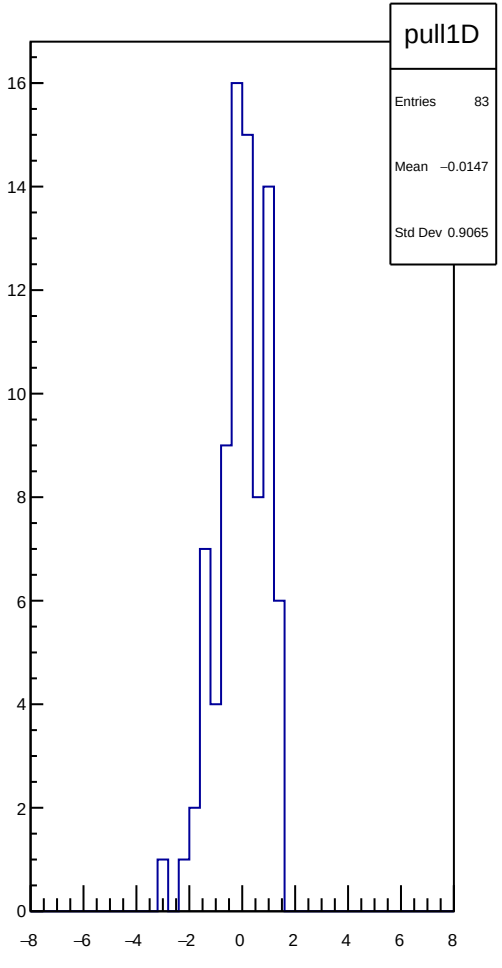

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.872e+05 / 82
p0 4.117e−12 ± 3.772e−15
20
18
16
14
12
10
8
6
4
2

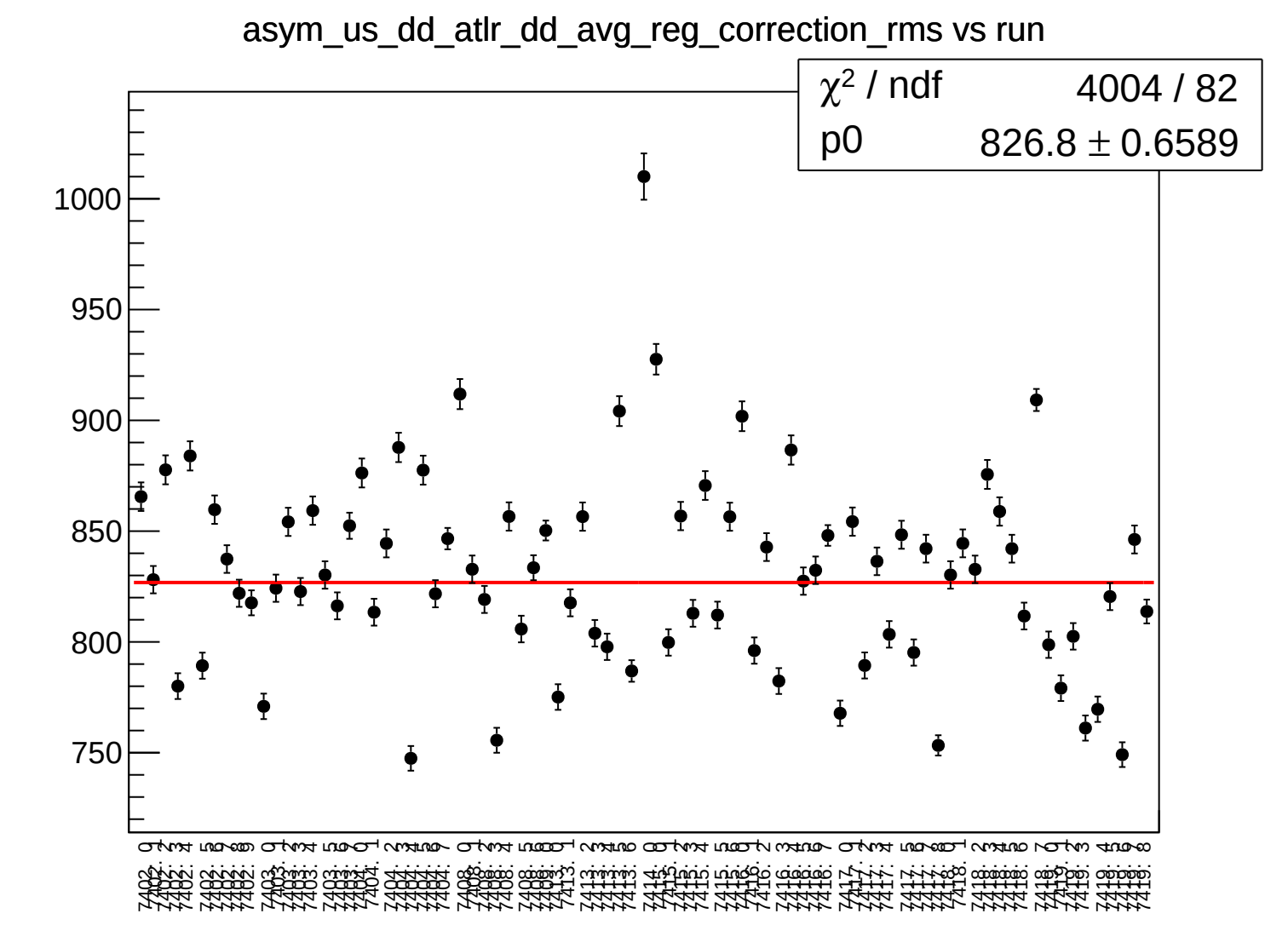

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 86.34 / 82
p0 −3264 ± 1928
pull
Entries 83
Mean 1.126e+05
Std Dev 0

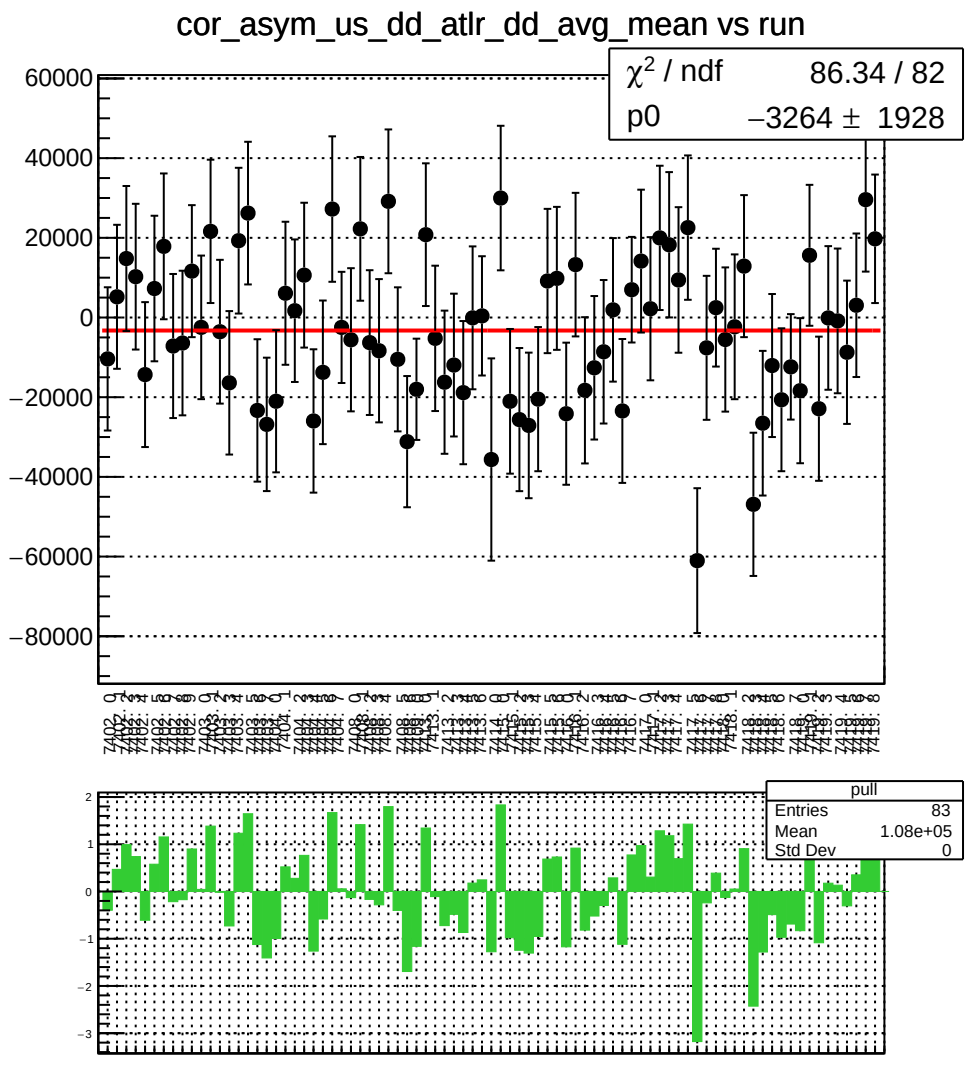

pull1D
Entries 83
Mean −1.951e−05
Std Dev 1.02

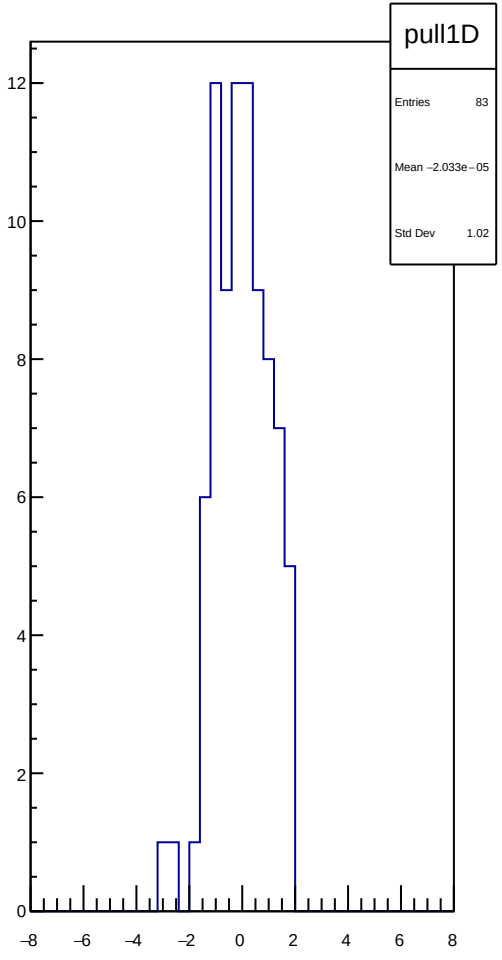

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 77.99 / 82
p0 1713 ± 1.364
1760
1740
1720
1700
1680
1660

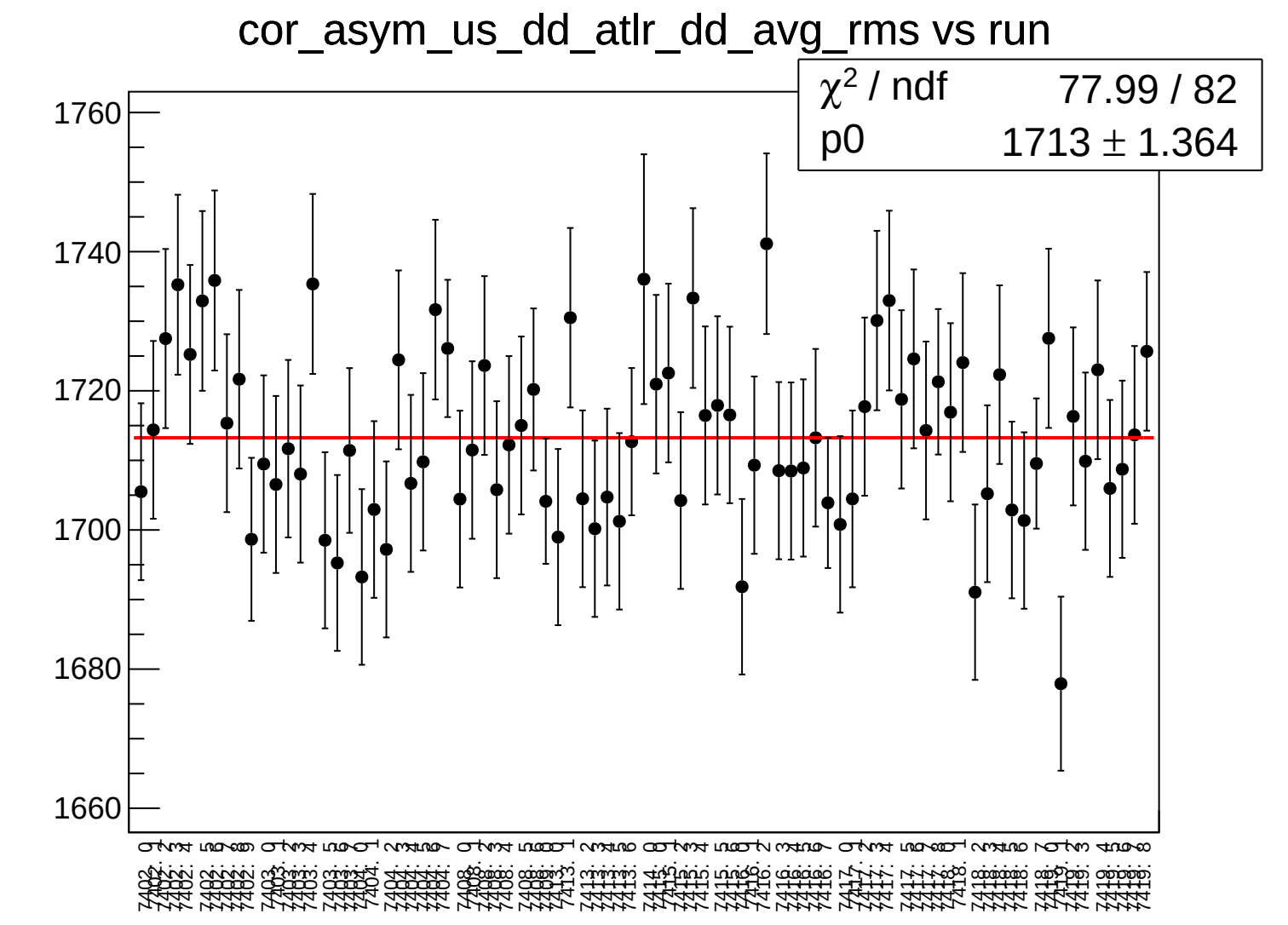

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 68.23 / 82
p0 −453.6 ± 931.8
pull
Entries 83
Mean −22.63
Std Dev 0

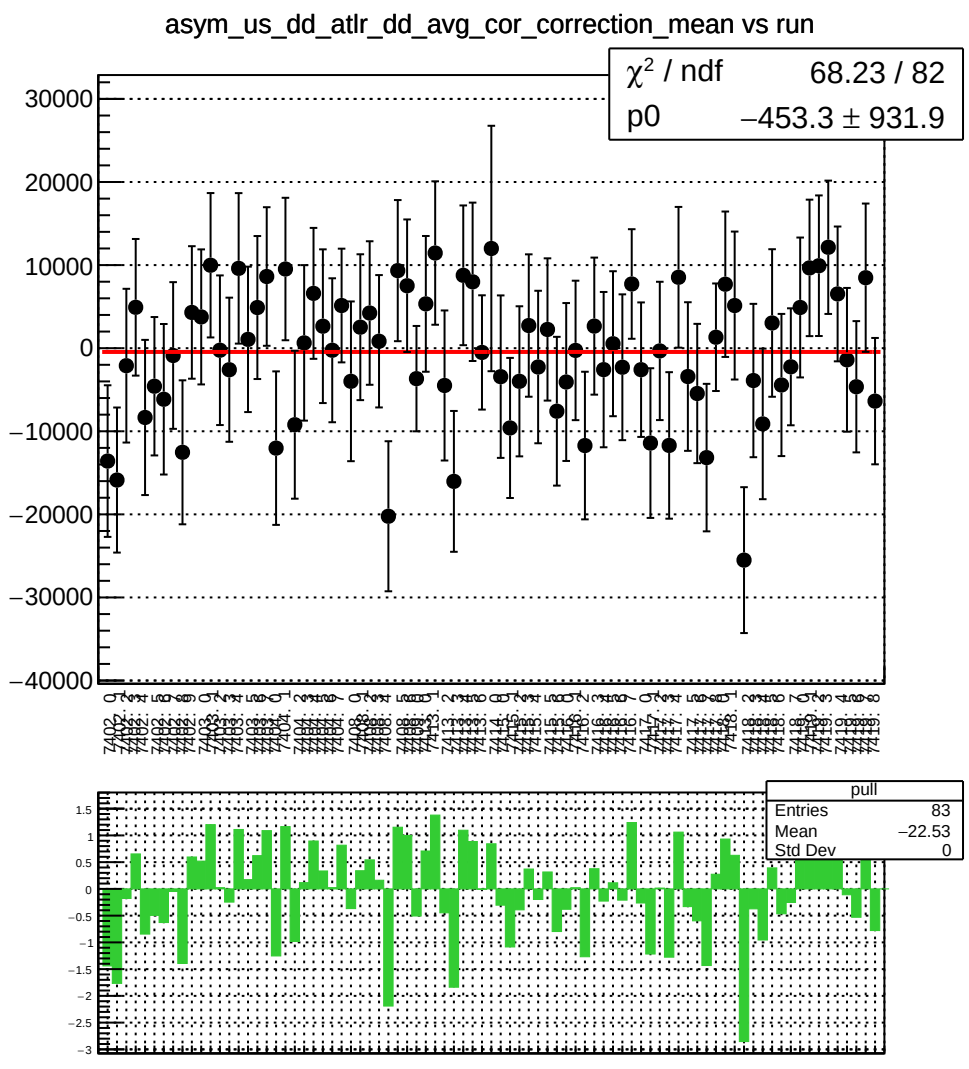

pull1D
Entries 83
Mean −0.0147
Std Dev 0.9065

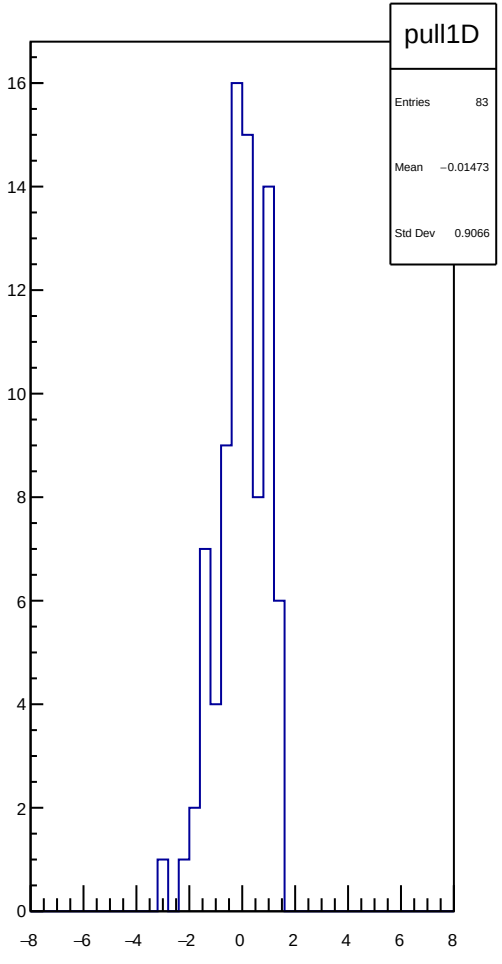

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4004 / 82
p0 826.8 ± 0.6589
1000
950
900
850
800
750

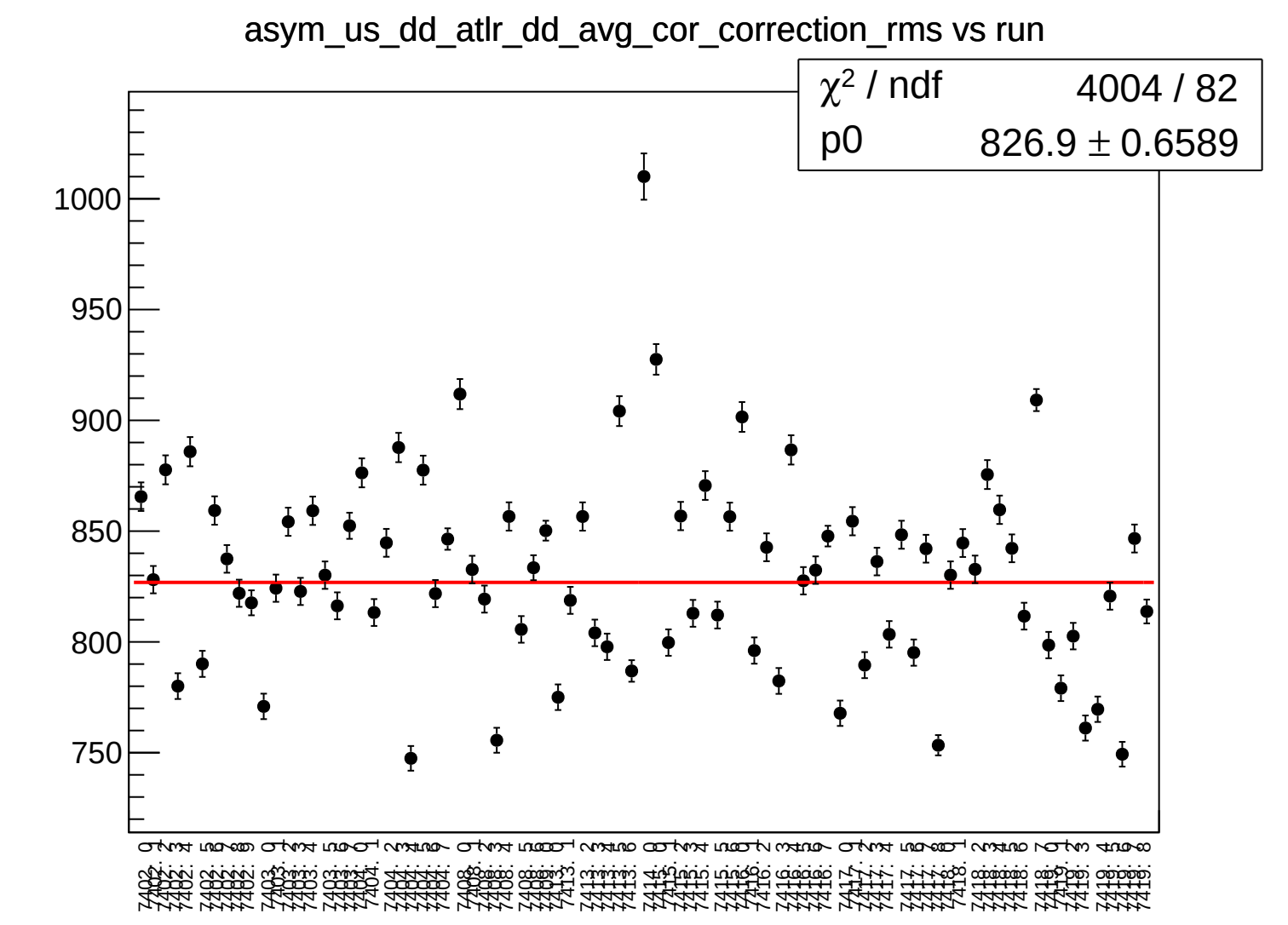

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 86.34 / 82
p0 −3264 ± 1928
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 1.08e+05
Std Dev 0
2
1
0
−1
−2
−3

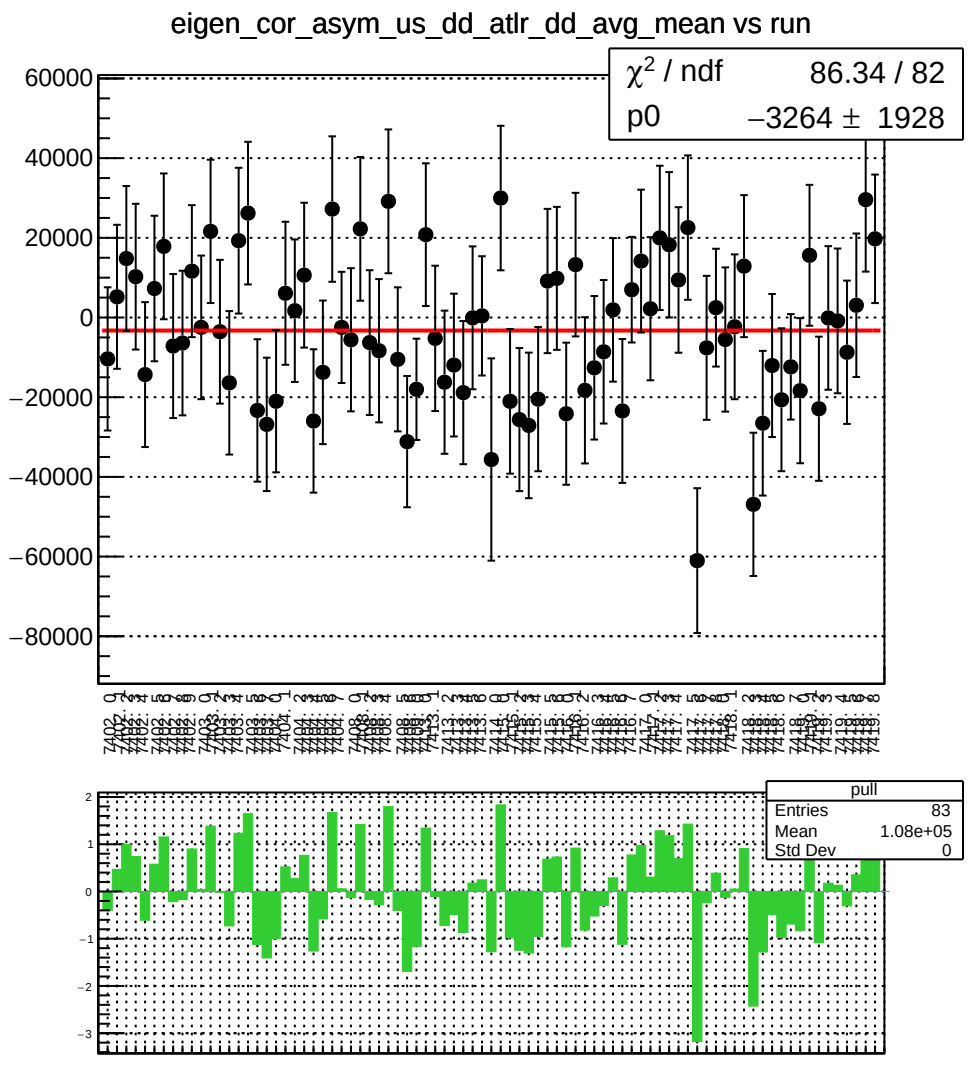

pull1D
Entries 83
Mean −2.033e−05
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

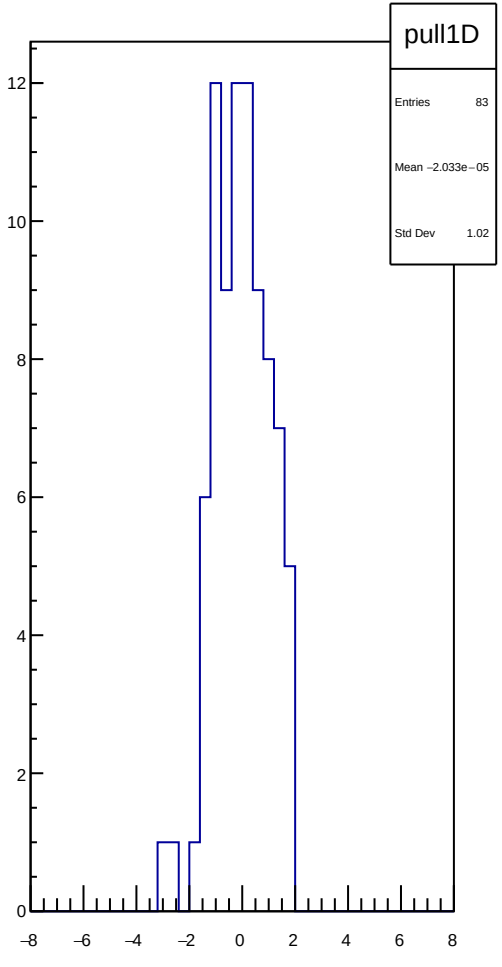

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 77.99 / 82
p0 1713 ± 1.364
1760
1740
1720
1700
1680
1660

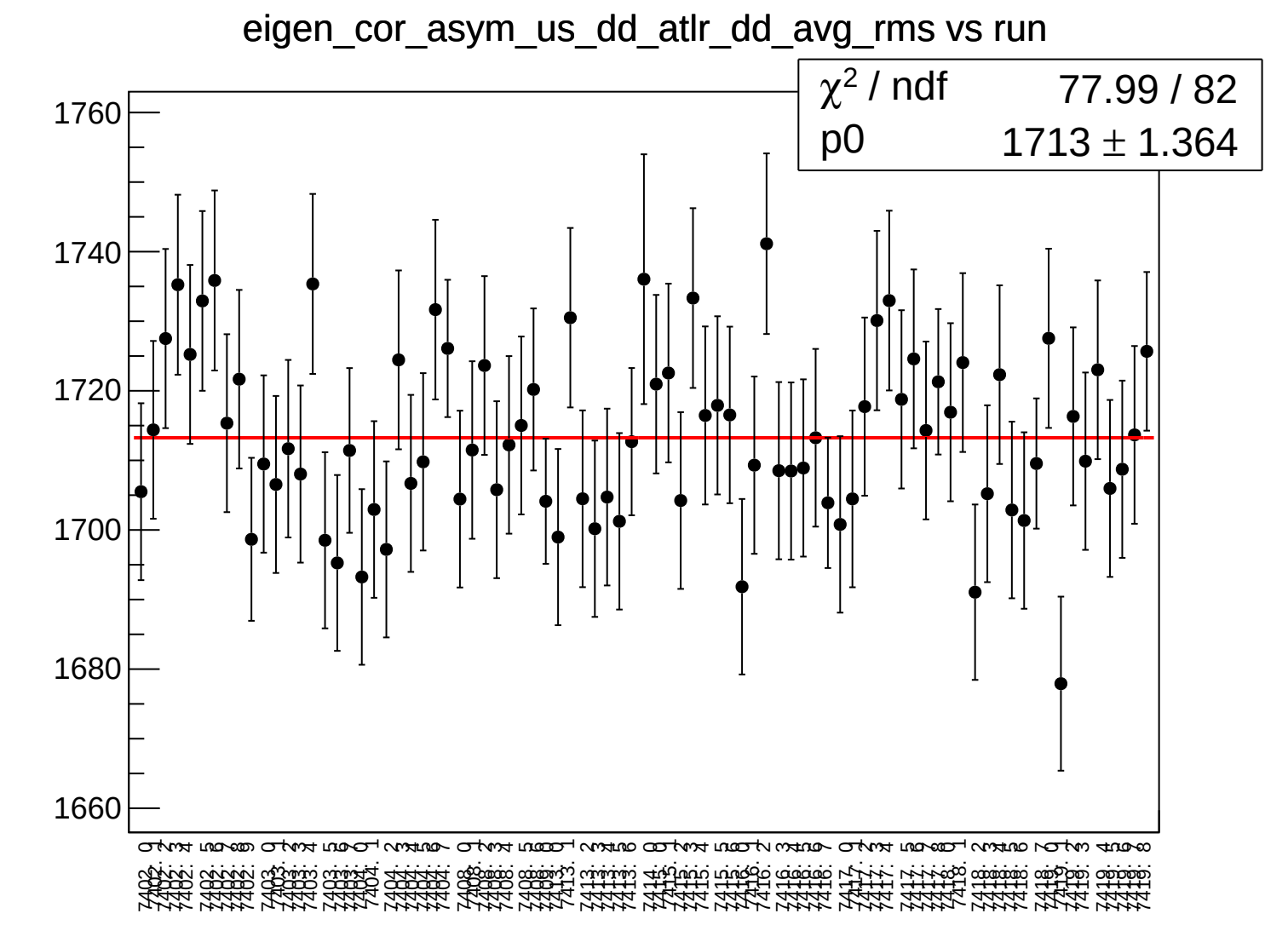

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 68.23 / 82
p0 −453.3 ± 931.9
pull
Entries 83
Mean −22.53
Std Dev 0

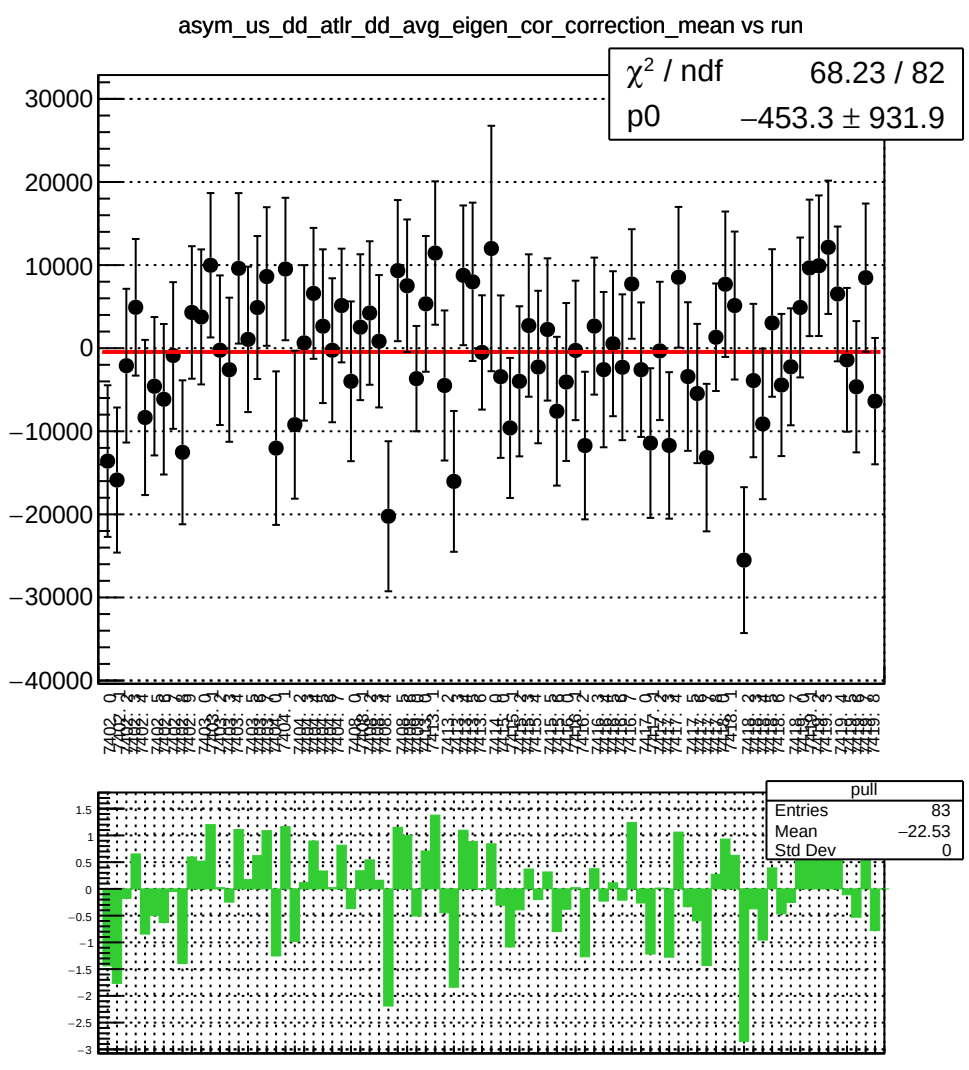

pull1D
Entries 83
Mean −0.01473
Std Dev 0.9066

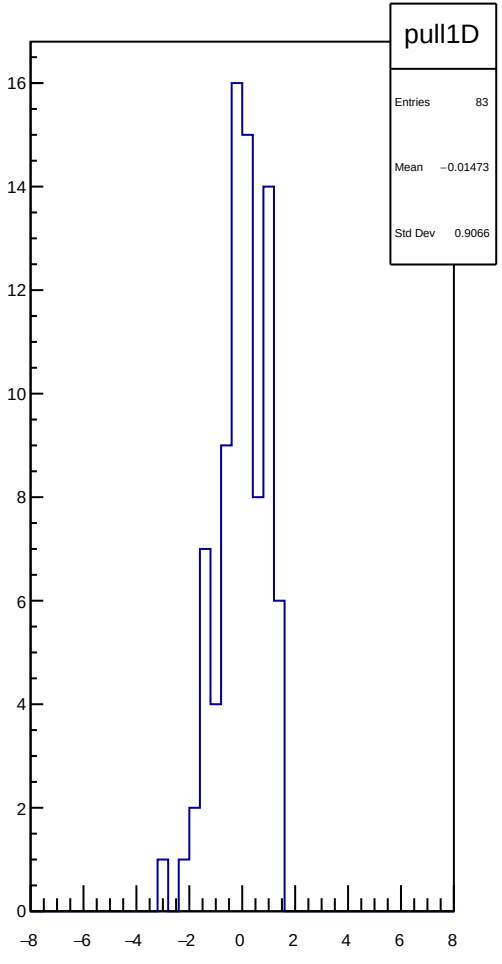

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4004 / 82
p0 826.9 ± 0.6589
1000
950
900
850
800
750

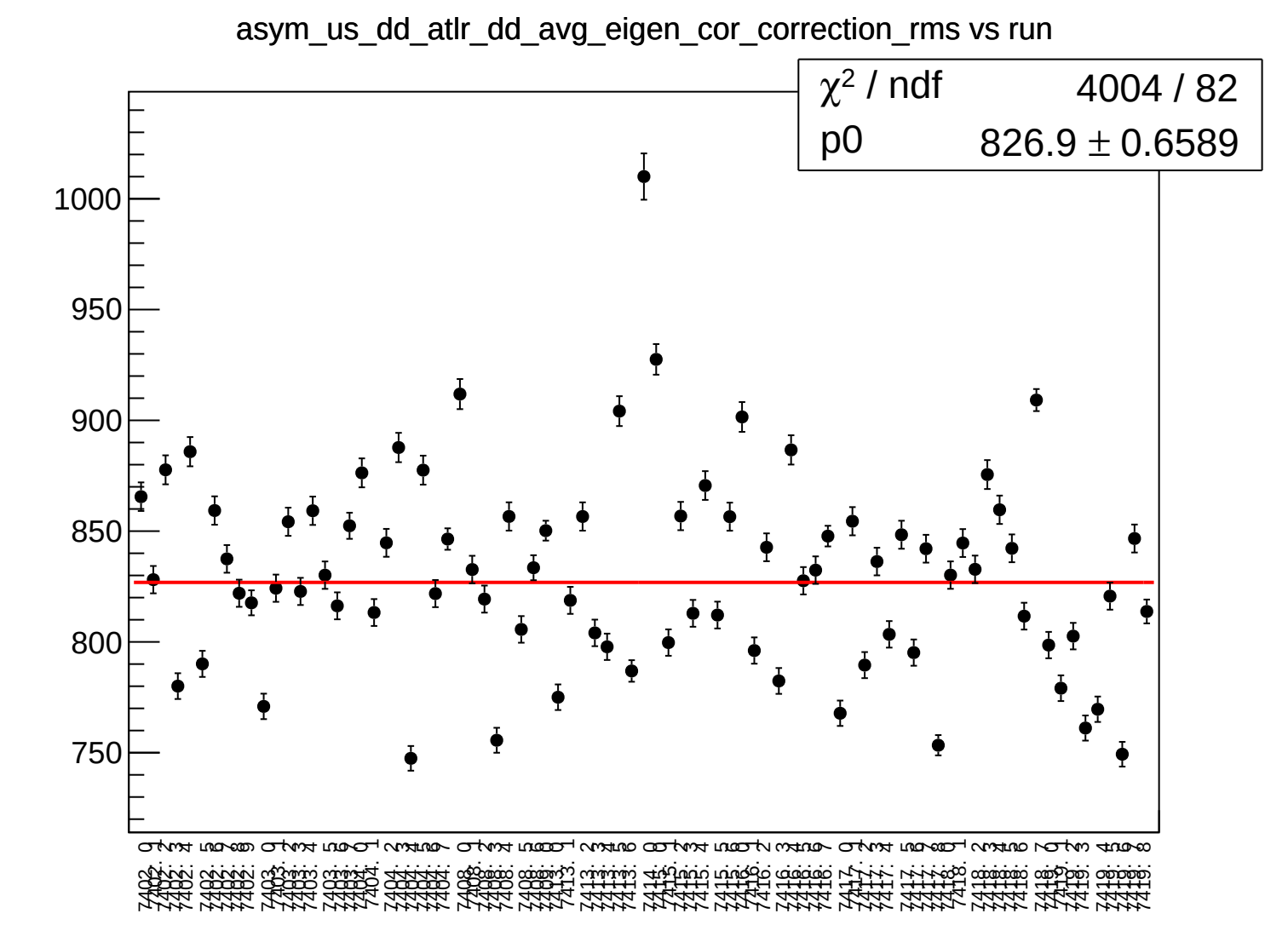

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 86.34 / 82
p0 −3264 ± 1928
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 1.08e+05
Std Dev 0
2
1
0
−1
−2
−3

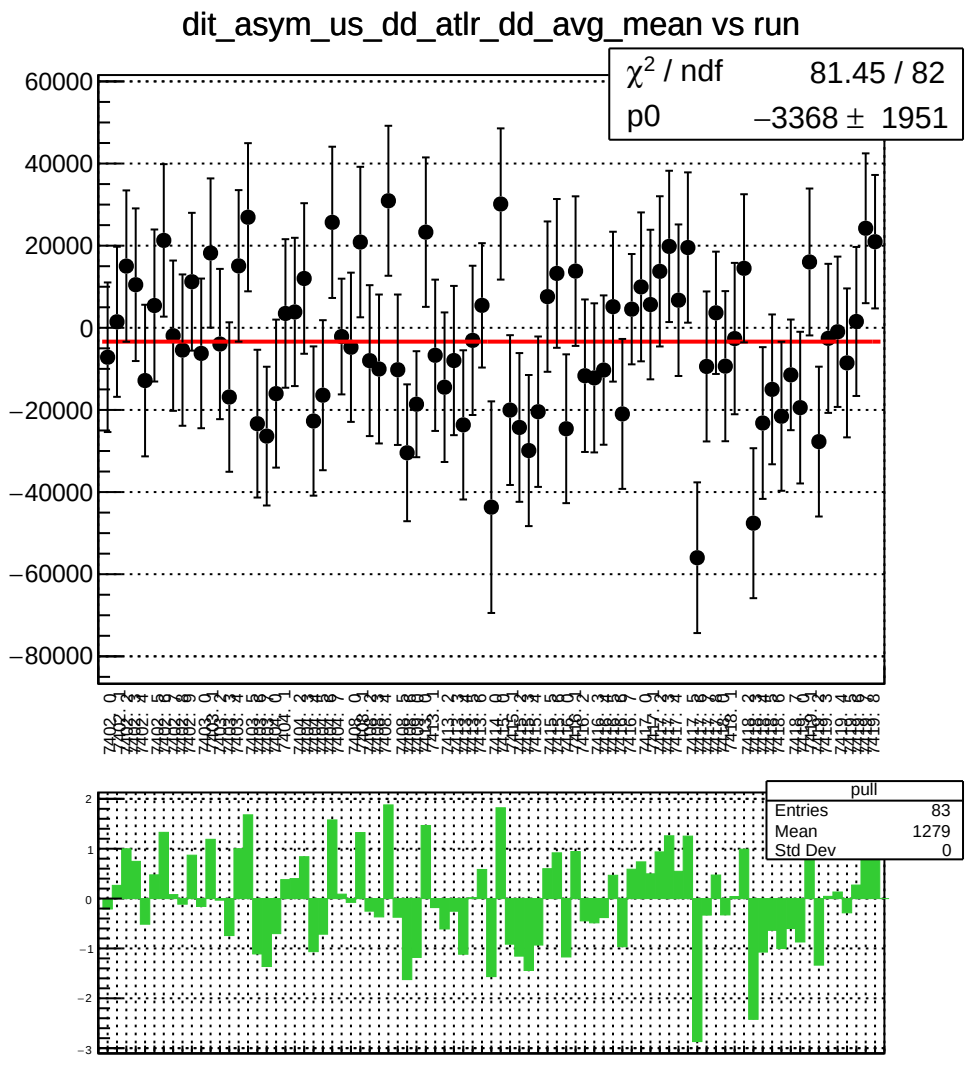

pull1D
Entries 83
Mean −2.033e−05
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

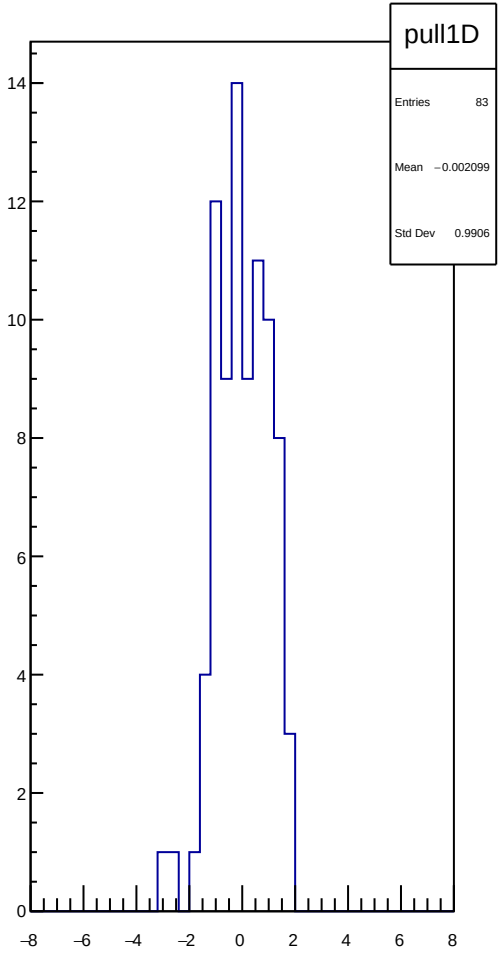

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 77.99 / 82
p0 1713 ± 1.364
1760
1740
1720
1700
1680
1660

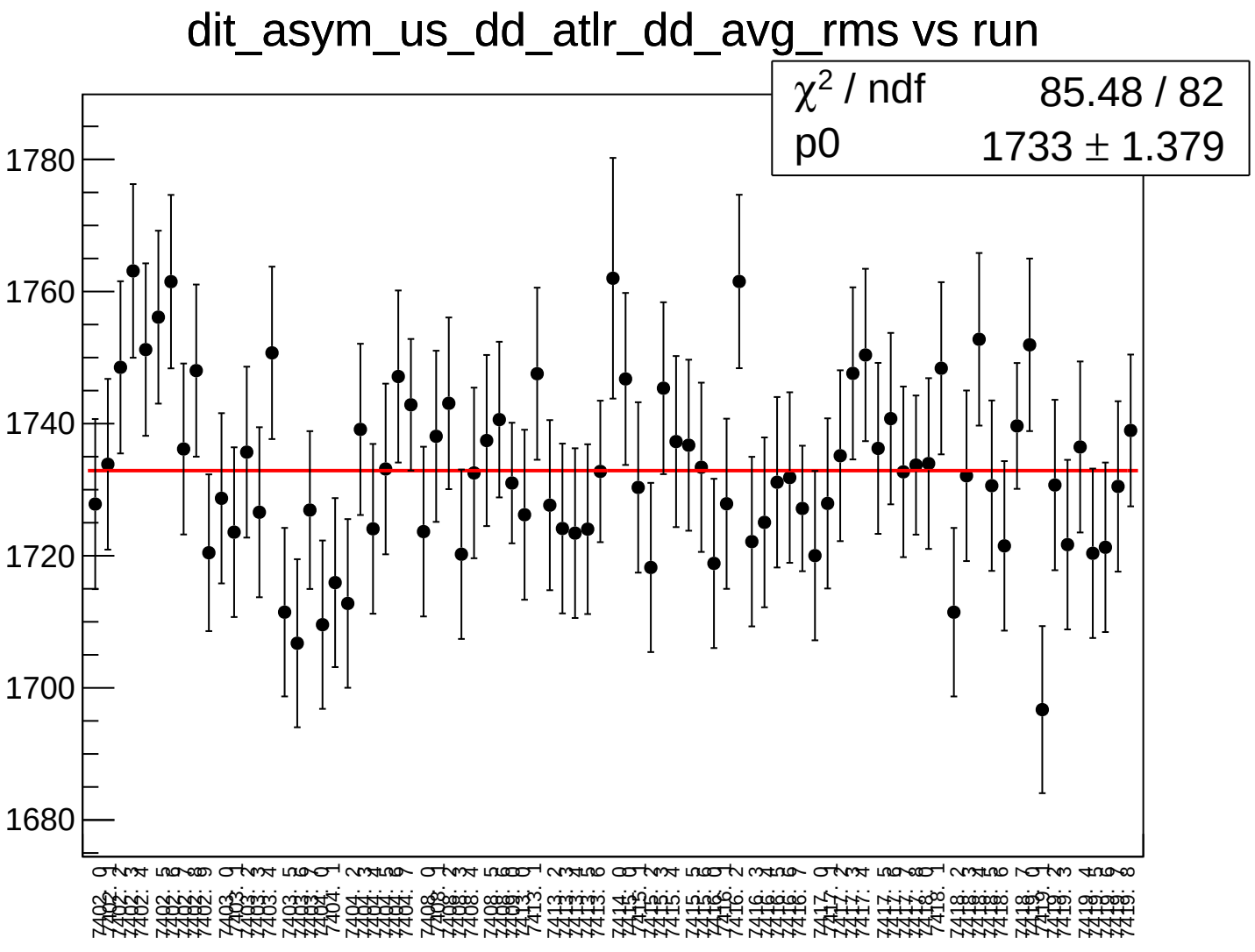

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.23 / 82
p0 −453.3 ± 931.9
pull
Entries 83
Mean −22.53
Std Dev 0

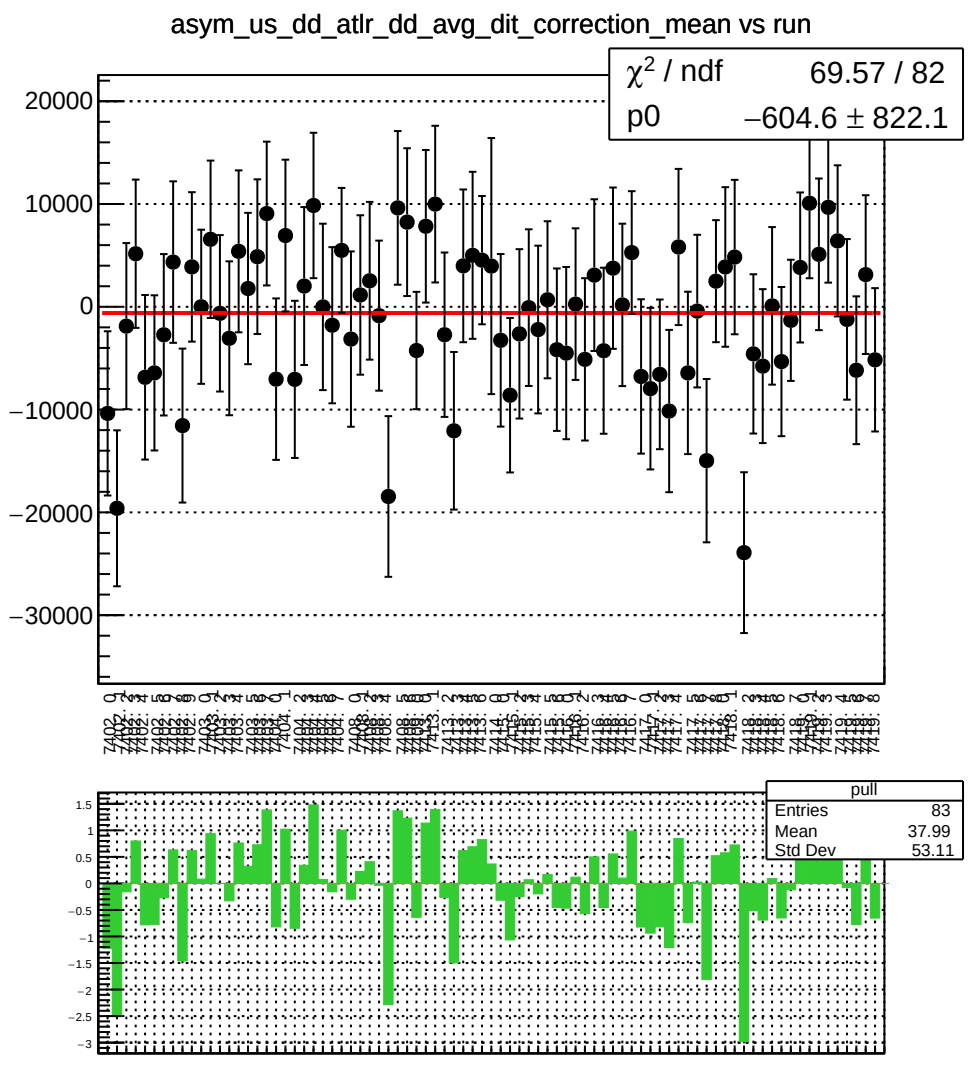

pull1D
Entries 83
Mean −0.01473
Std Dev 0.9066

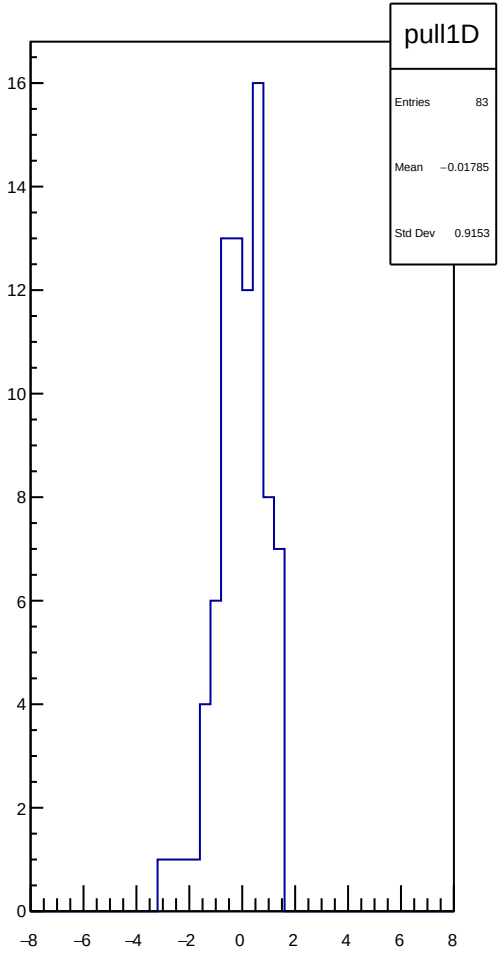

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4004 / 82
p0 826.9 ± 0.6589
1000
950
900
850
800
750

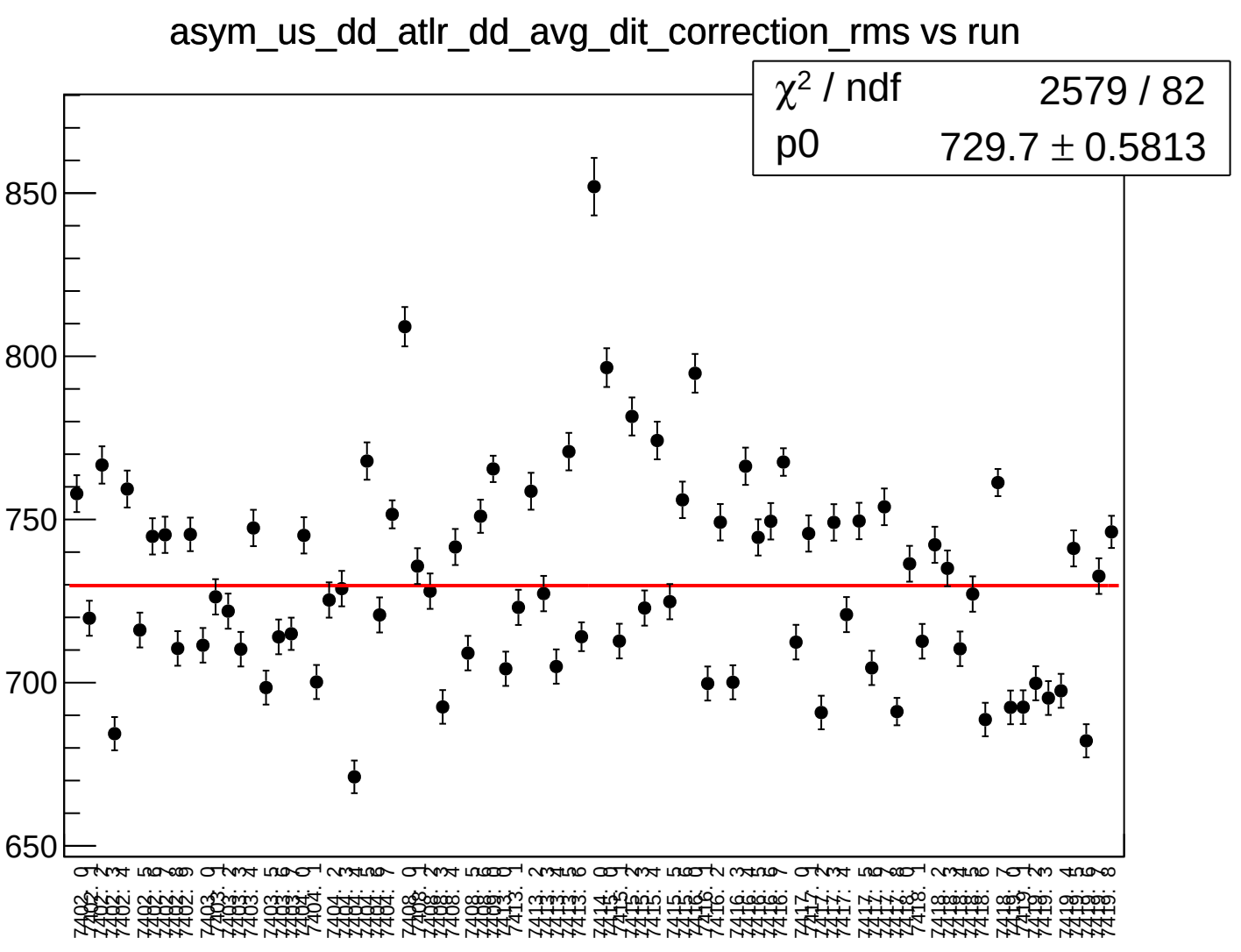

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 81.45 / 82
p0 −3368 ± 1951
pull
Entries 83
Mean 1279
Std Dev 0

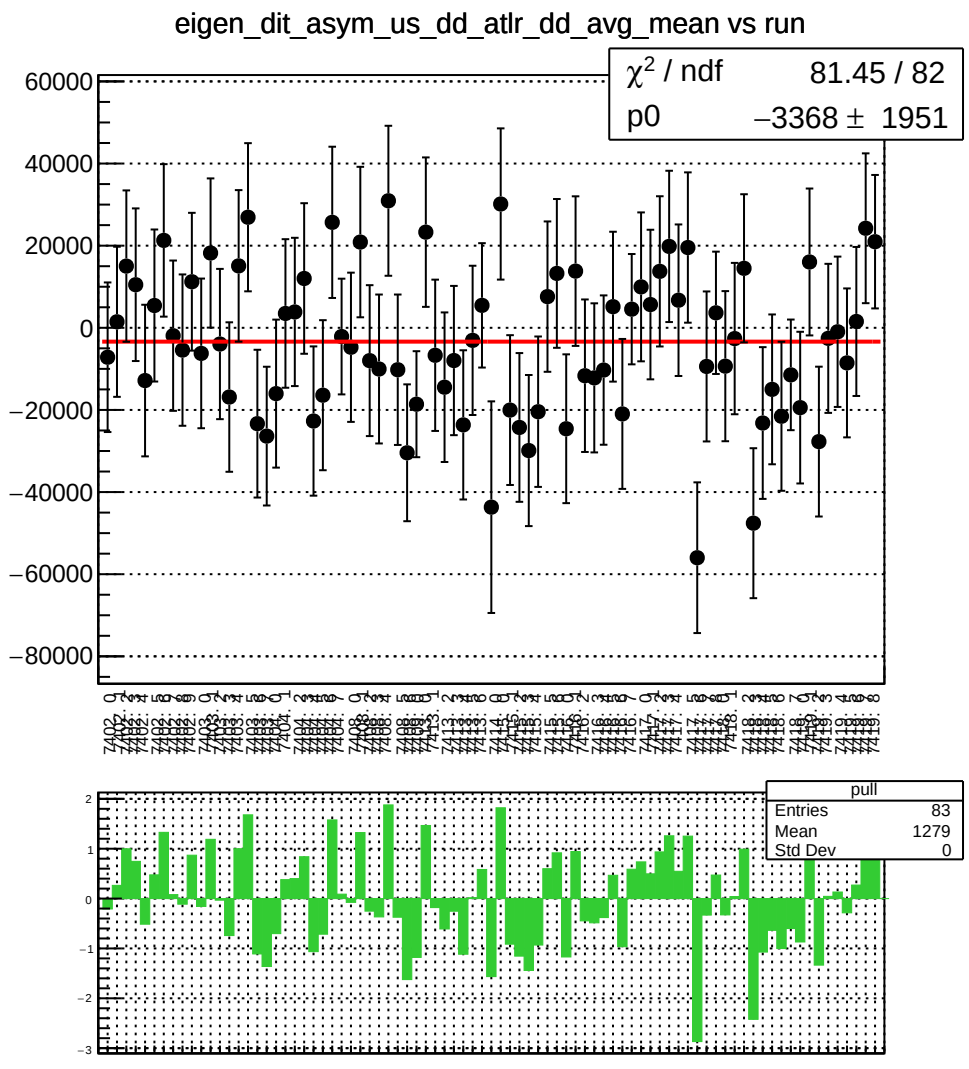

pull1D
Entries 83
Mean −0.002099
Std Dev 0.9906

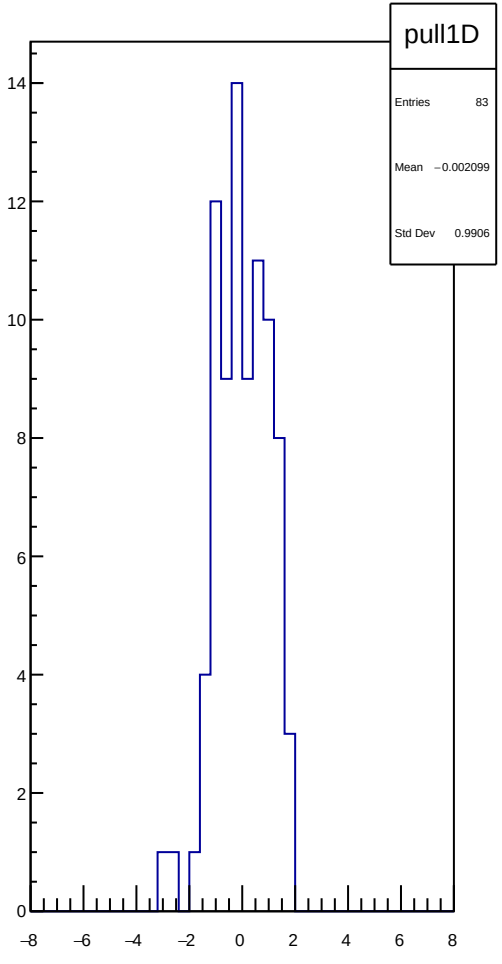

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 85.48 / 82
p0 1733 ± 1.379
1780
1760
1740
1720
1700
1680

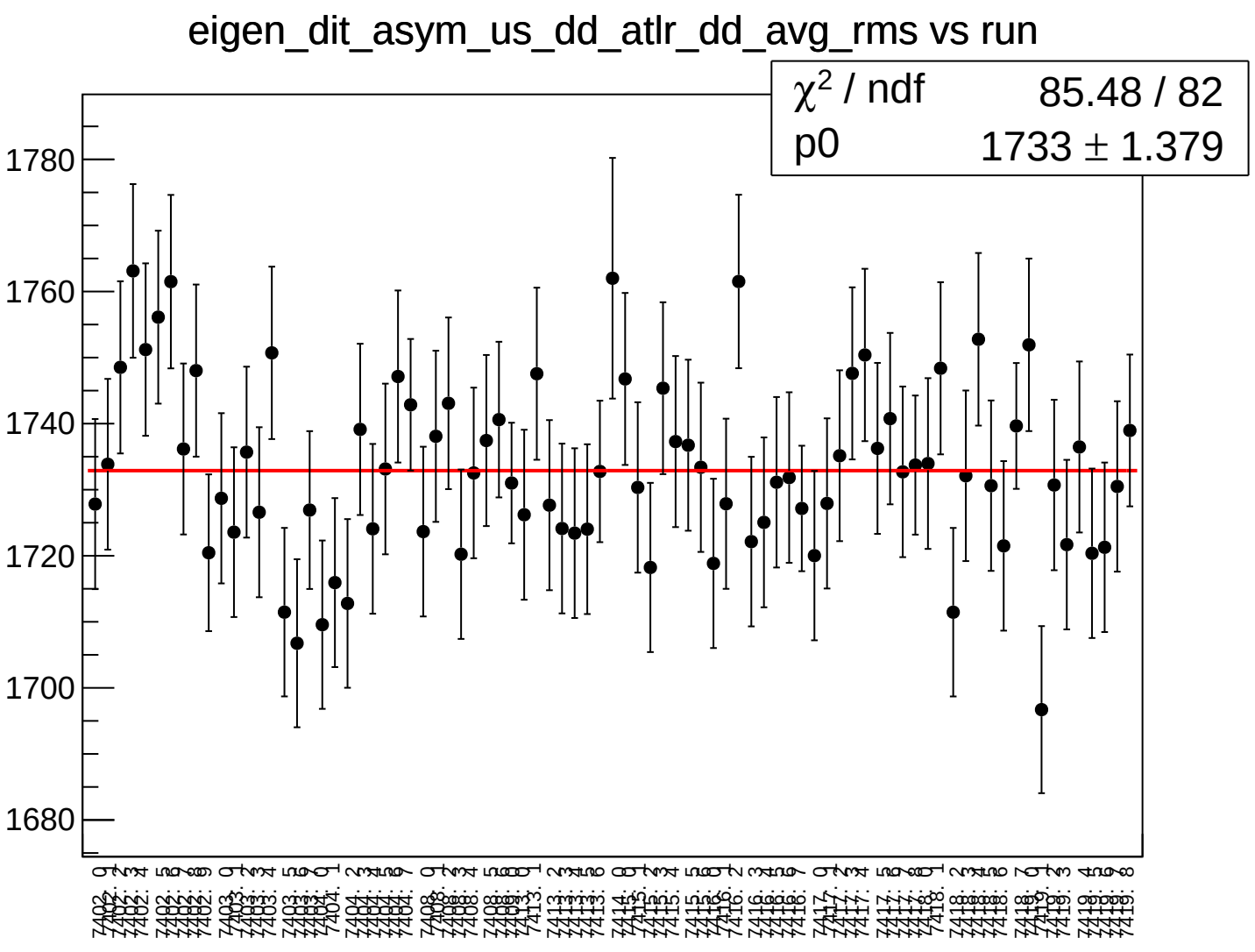

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 69.57 / 82
p0 −604.6 ± 822.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 37.99
Std Dev 53.11
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

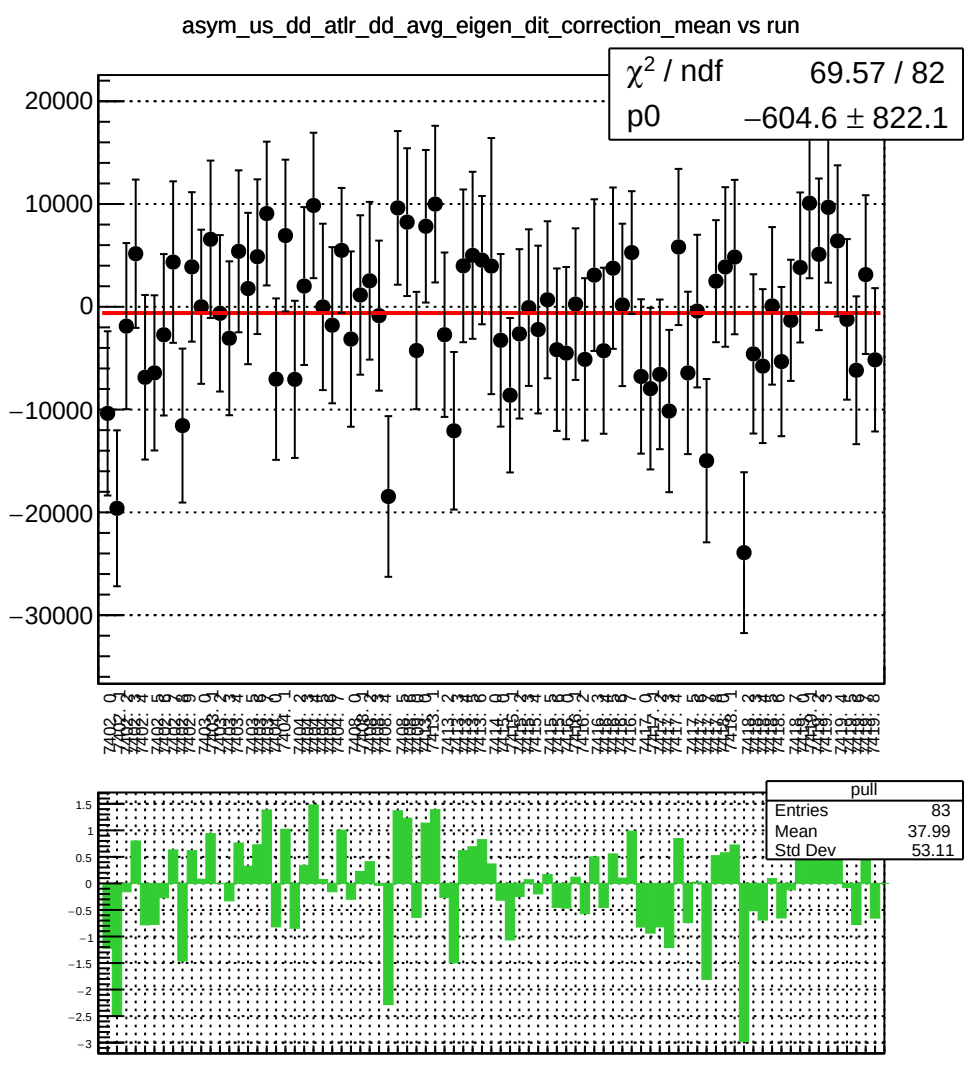

pull1D
Entries 83
Mean −0.01785
Std Dev 0.9153
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

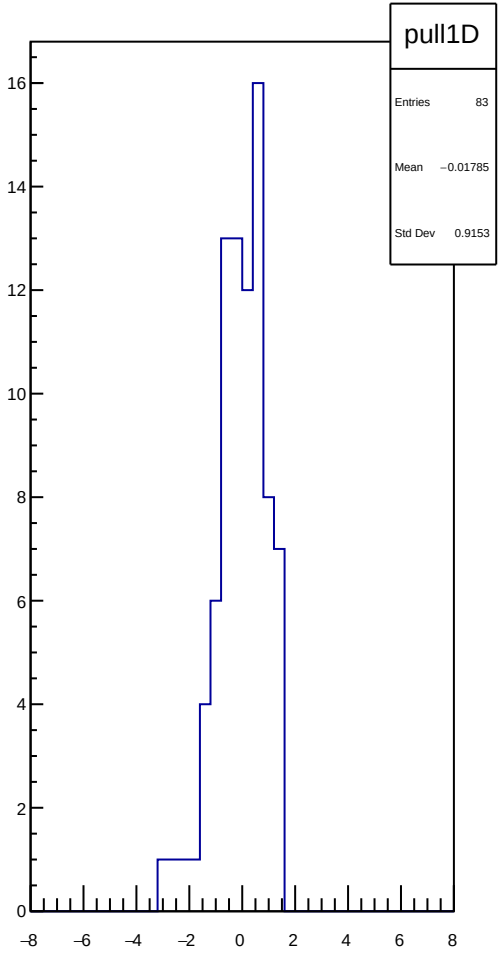

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 2579 / 82
p0 729.7 ± 0.5813
850
800
750
700
650

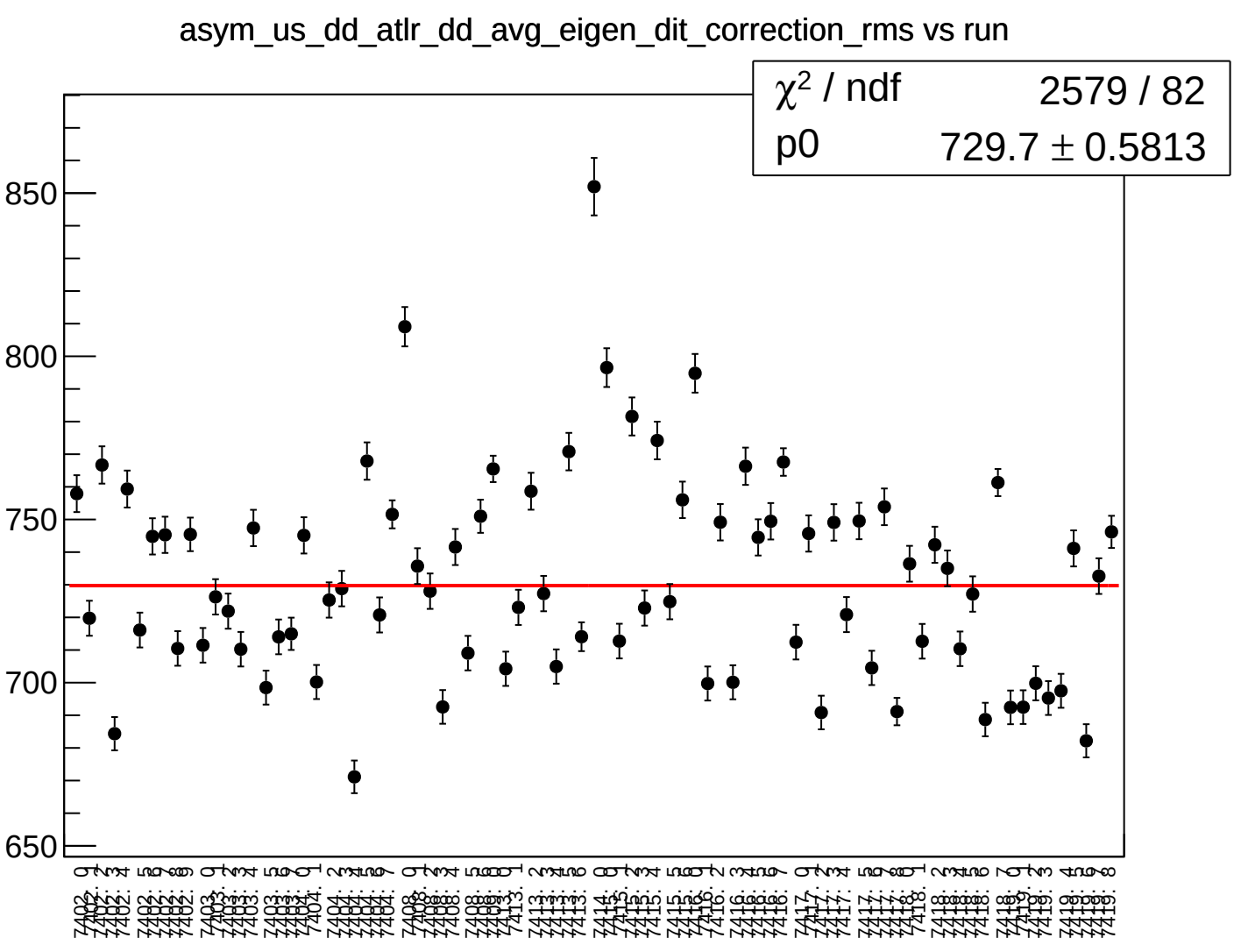

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 81.45 / 82
p0 −3368 ± 1951
pull
Entries 83
Mean 1279
Std Dev 0

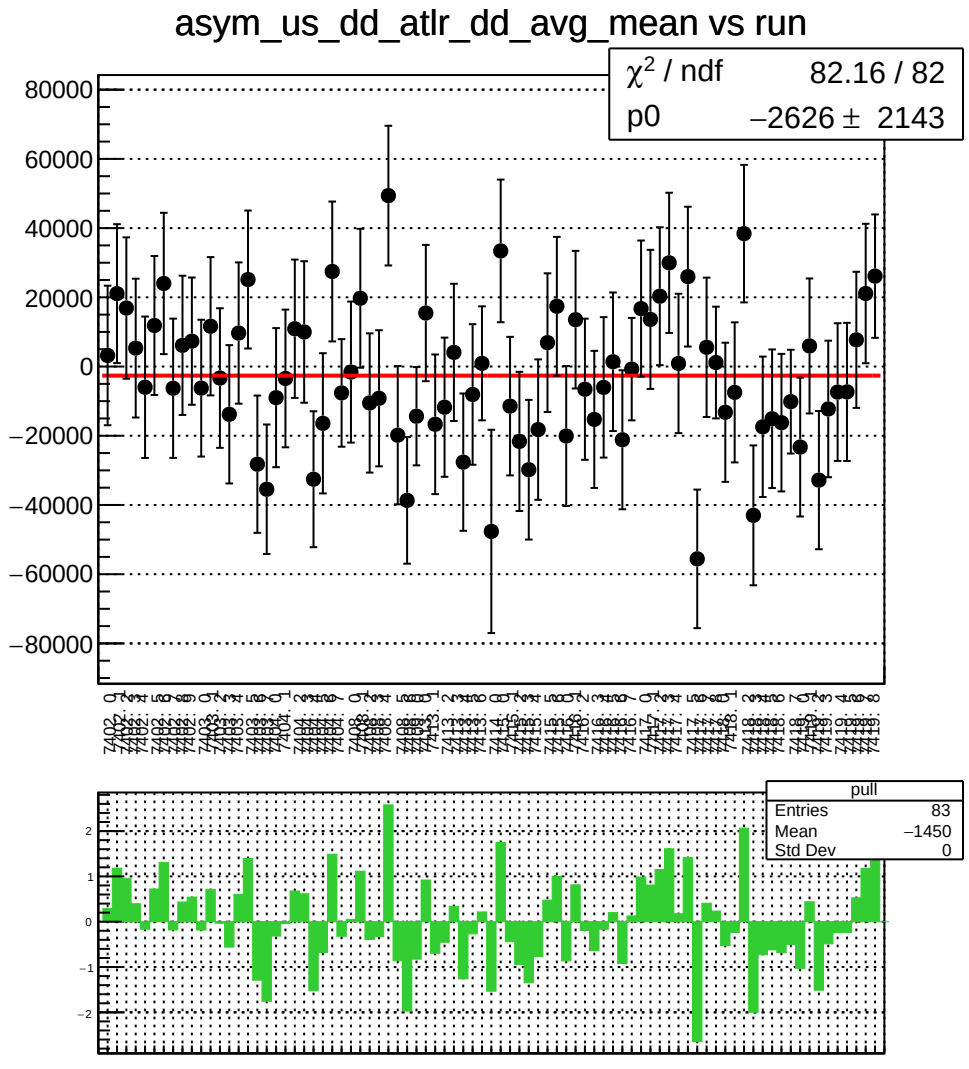

pull1D
Entries 83
Mean −0.002099
Std Dev 0.9906

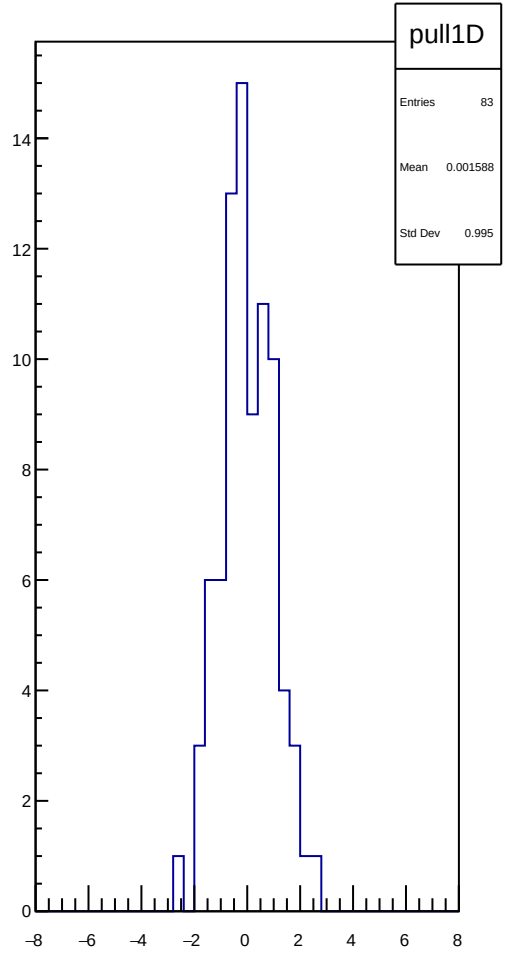

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 85.48 / 82
p0 1733 ± 1.379
1780
1760
1740
1720
1700
1680

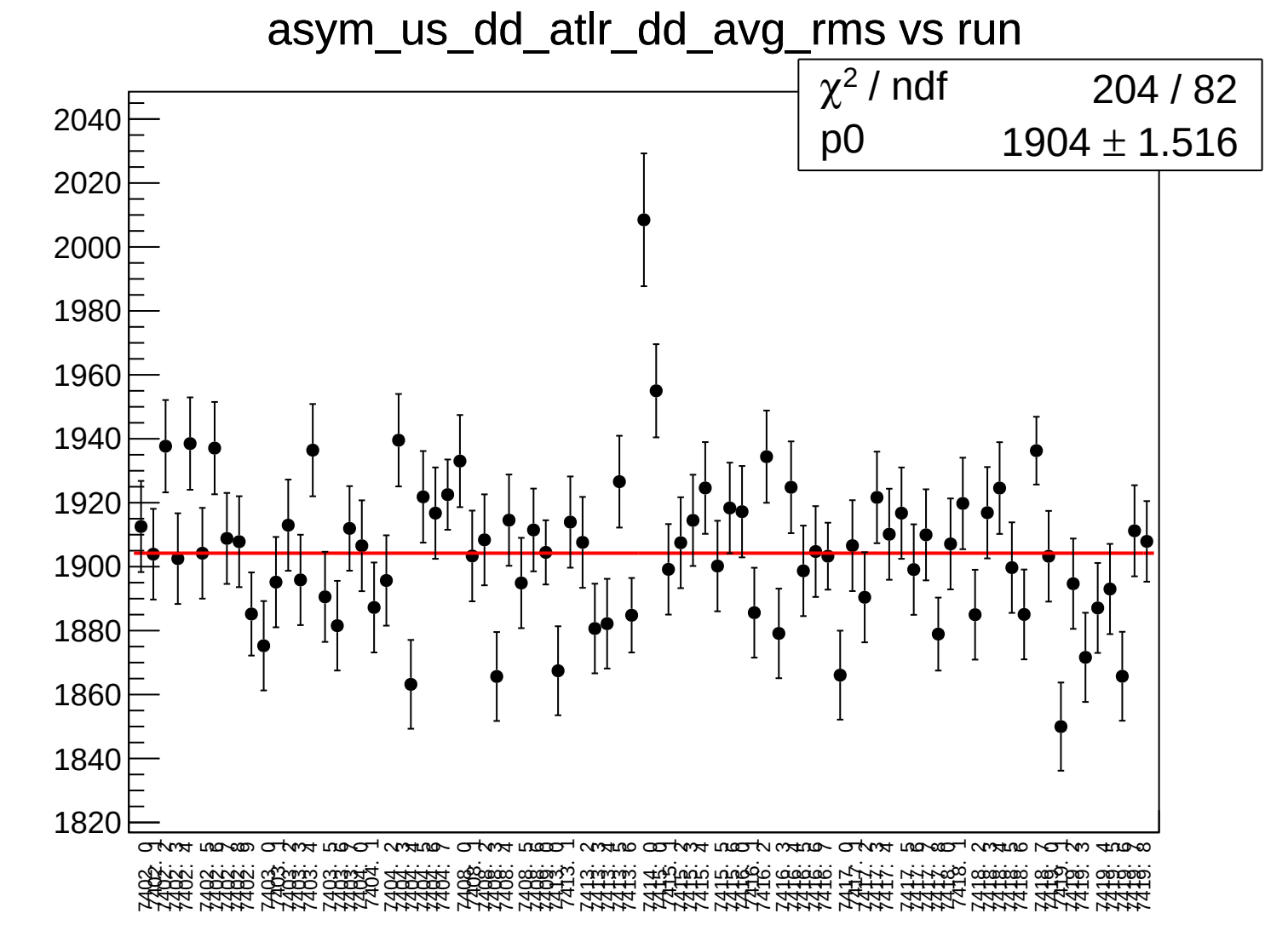

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.57 / 82
p0 −604.6 ± 822.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 37.99
Std Dev 53.11
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

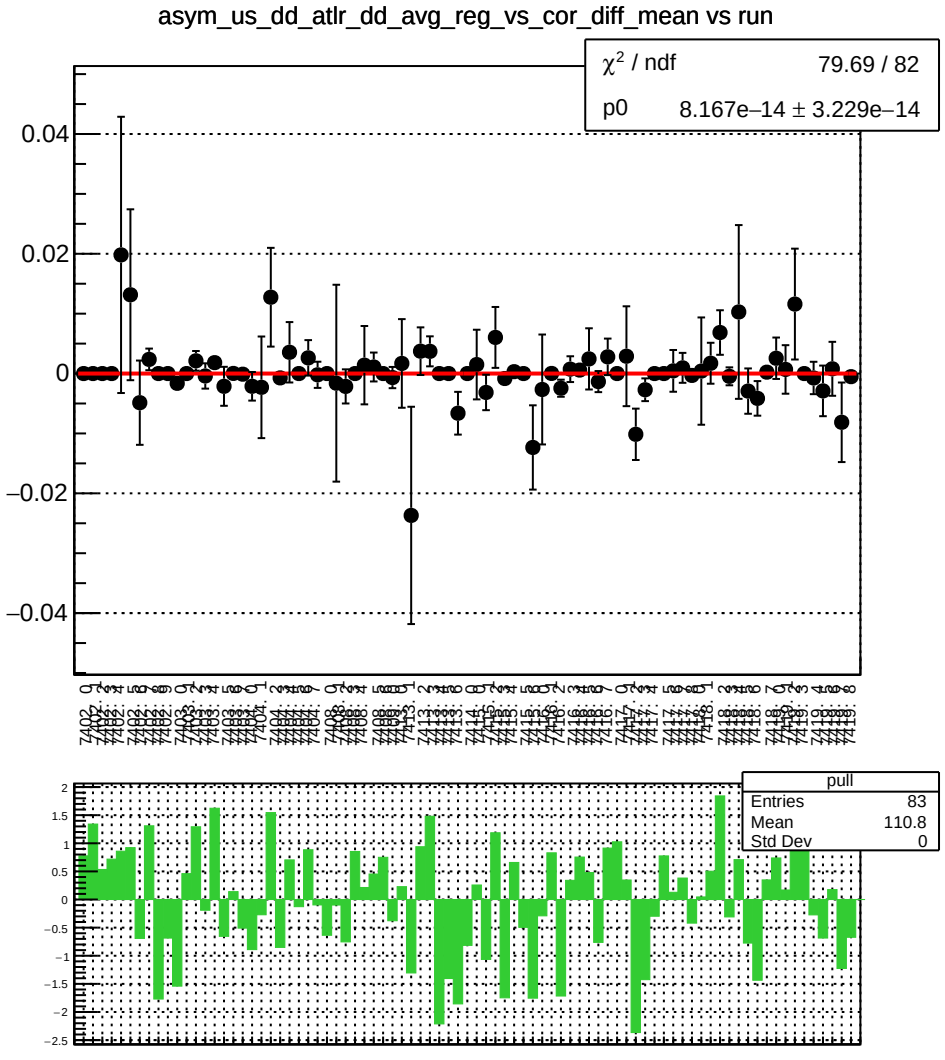

pull1D
Entries 83
Mean −0.01785
Std Dev 0.9153
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

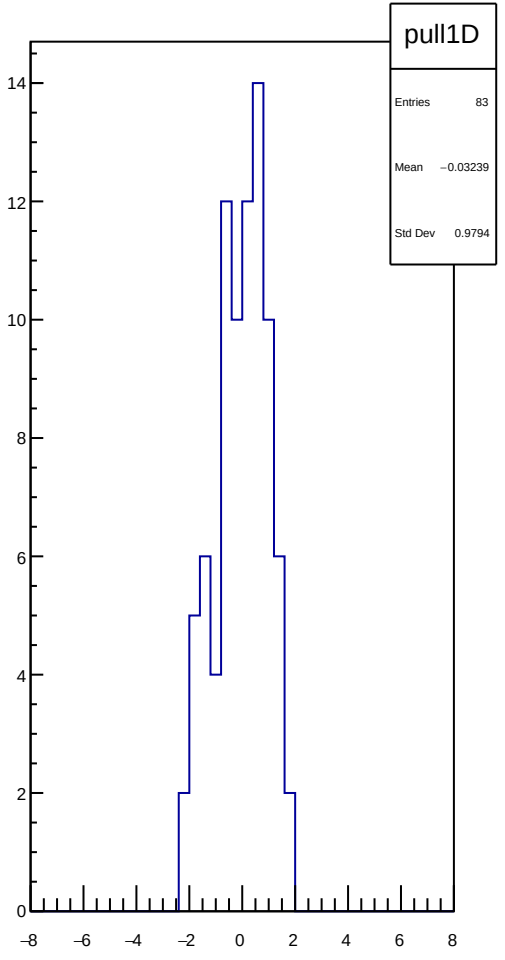

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2579 / 82
p0 729.7 ± 0.5813
850
800
750
700
650

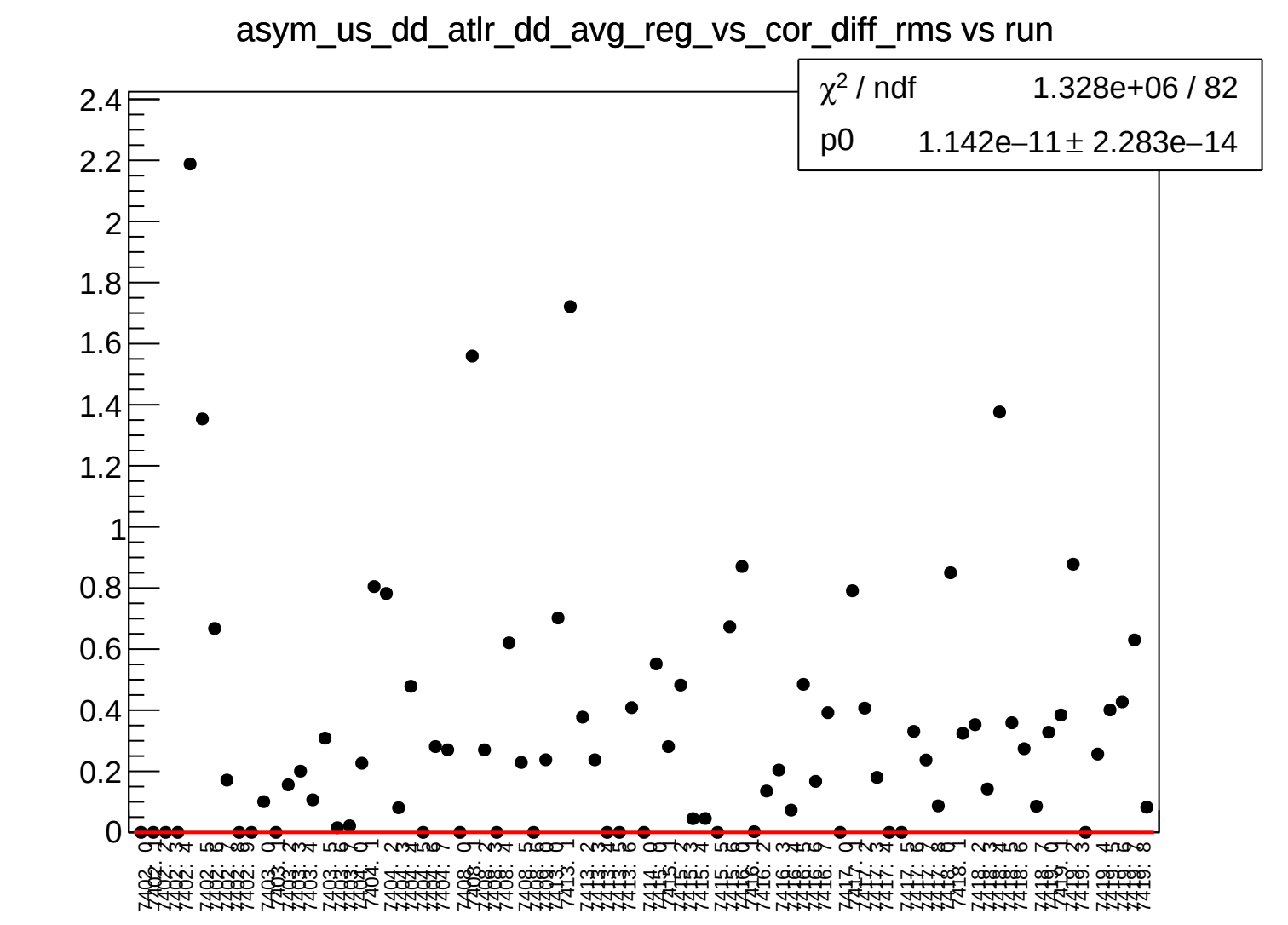

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 82.16 / 82
p0 −2626 ± 2143
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −1450
Std Dev 0
2
1
0
−1
−2

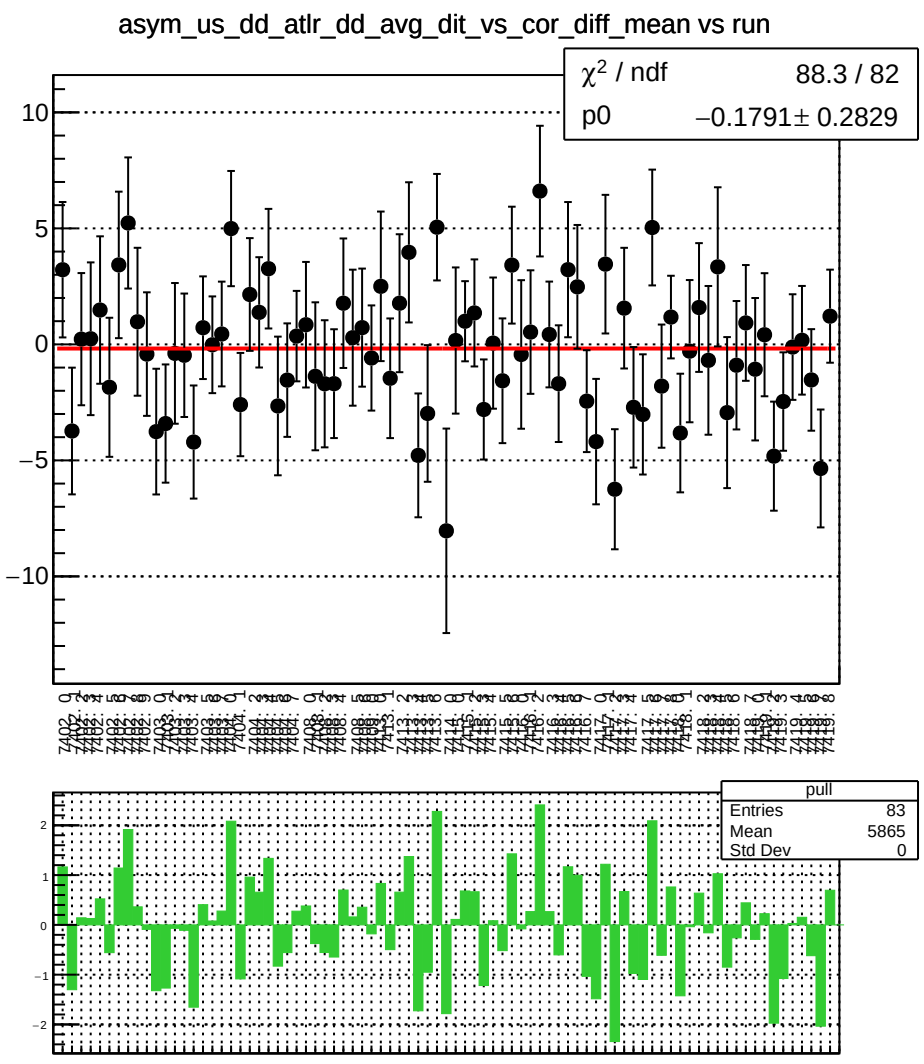

pull1D
Entries 83
Mean 0.001588
Std Dev 0.995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

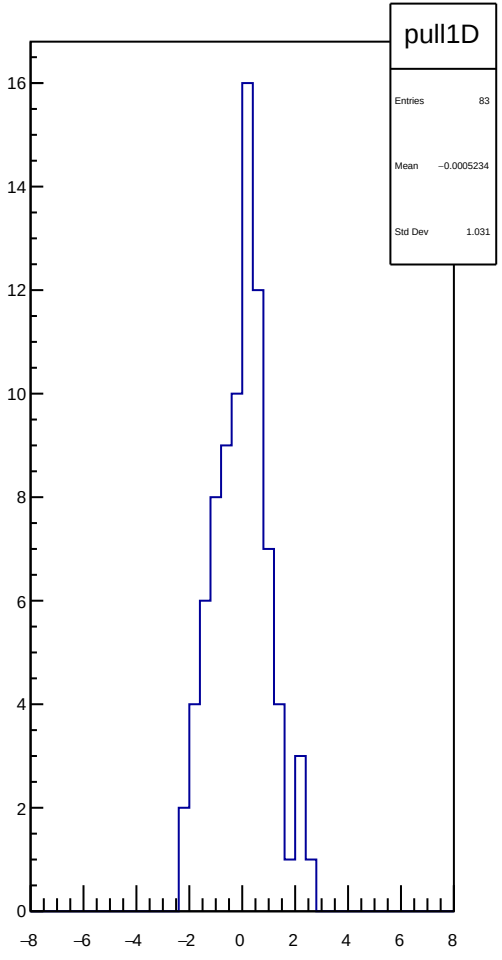

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 204 / 82
p0 1904 ± 1.516
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

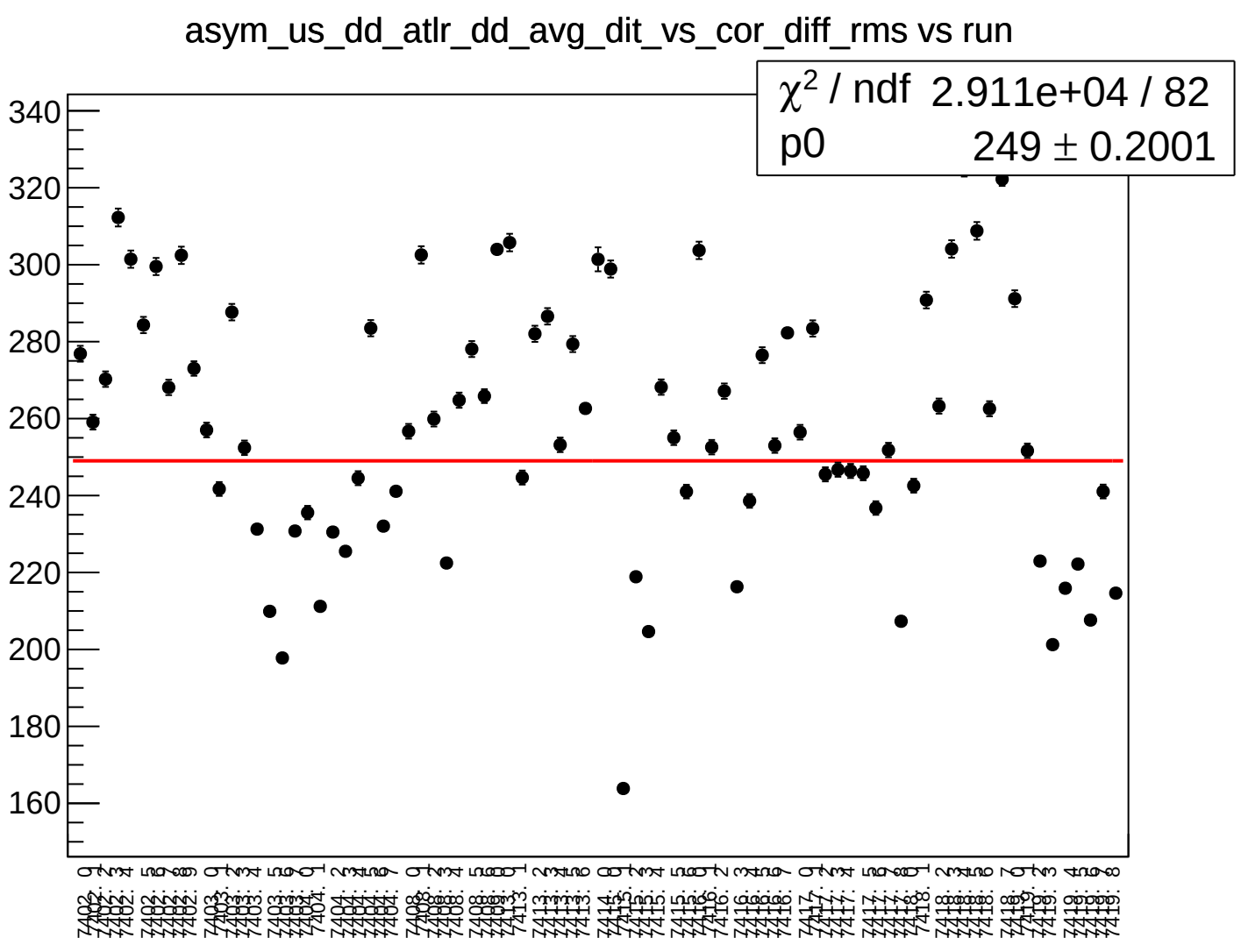

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 79.69 / 82
p0 8.167e−14 ± 3.229e−14
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean 110.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

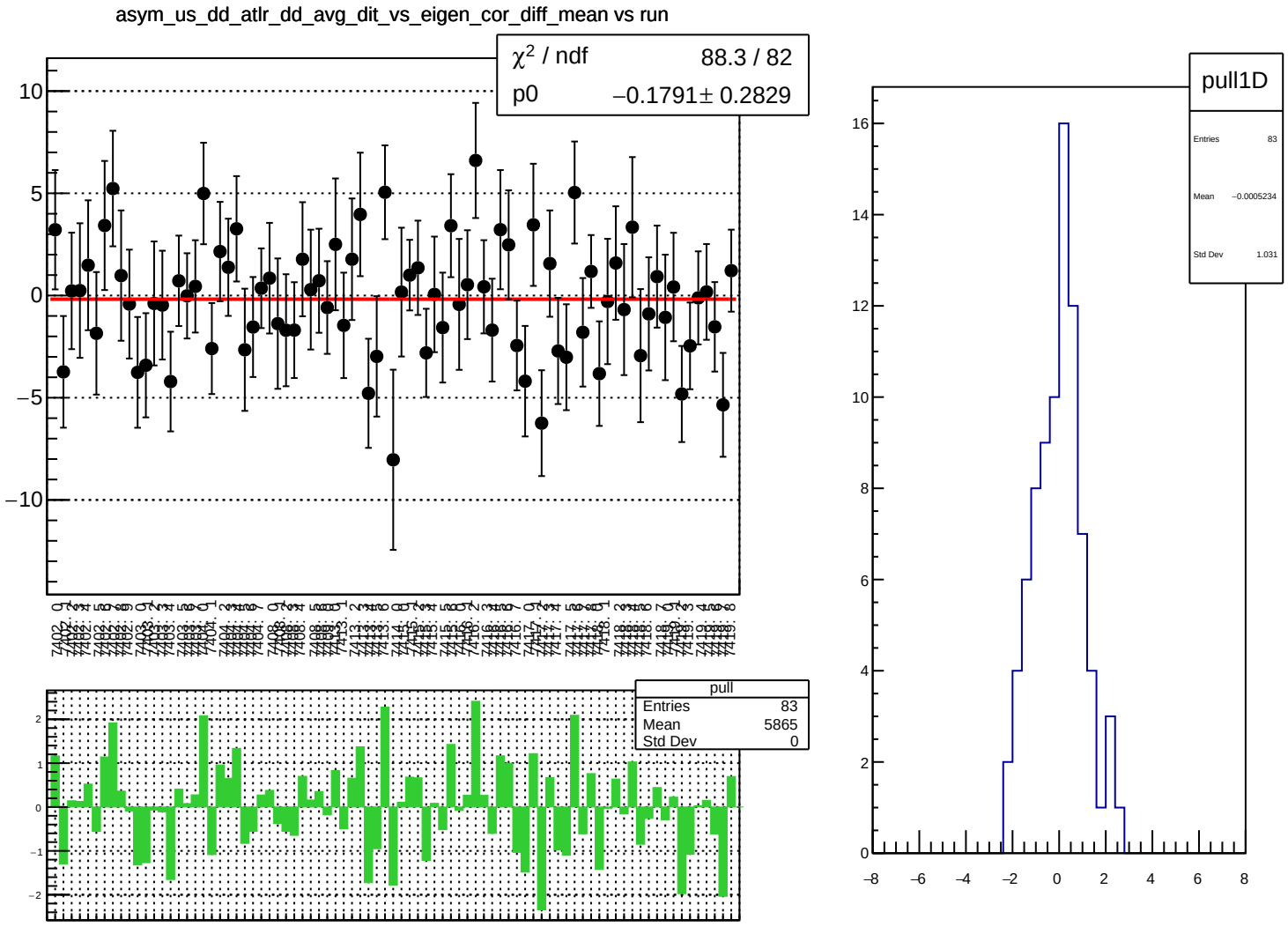

pull1D
Entries 83
Mean −0.03239
Std Dev 0.9794
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

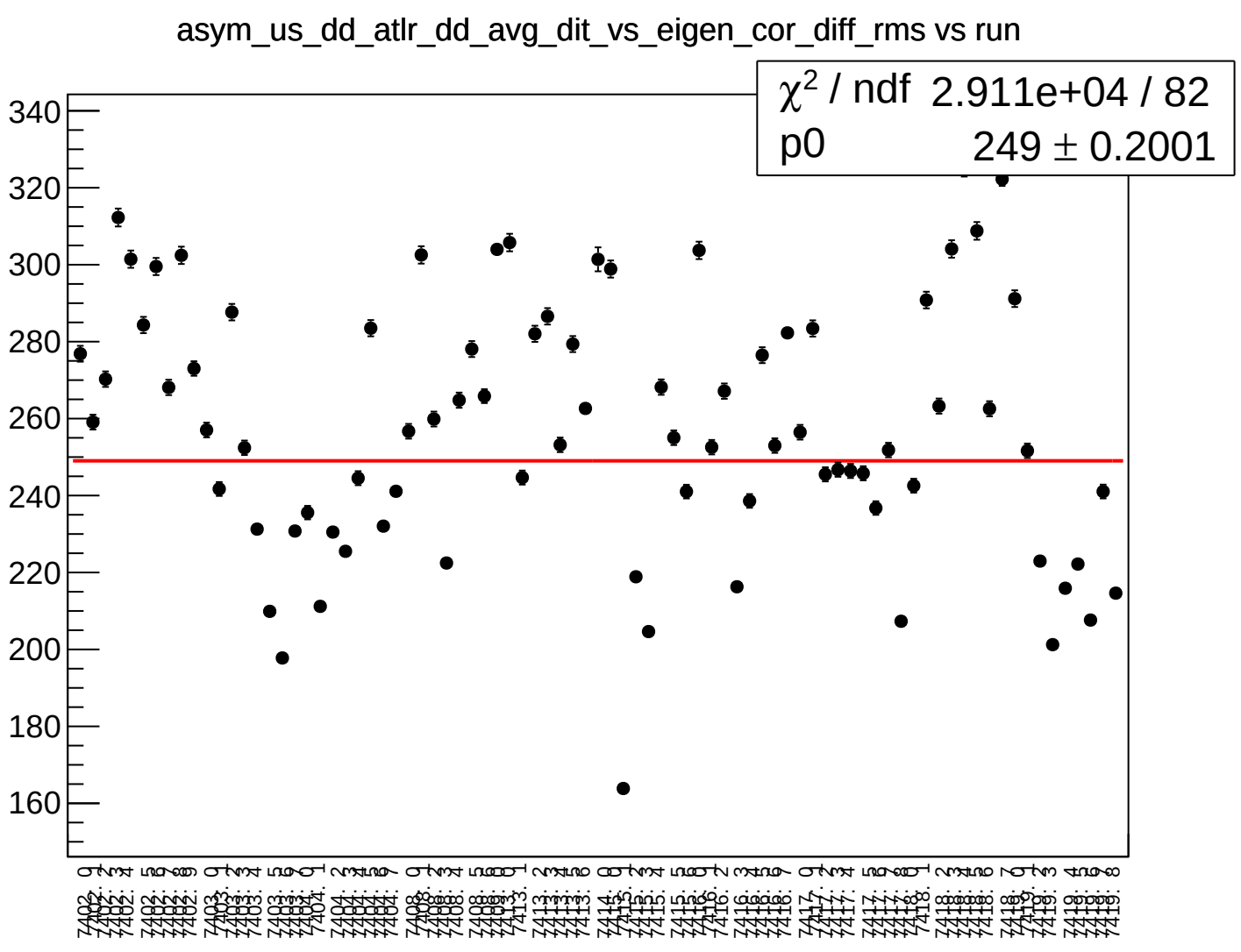

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.328e+06 / 82
p0 1.142e−11 ± 2.283e−14
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

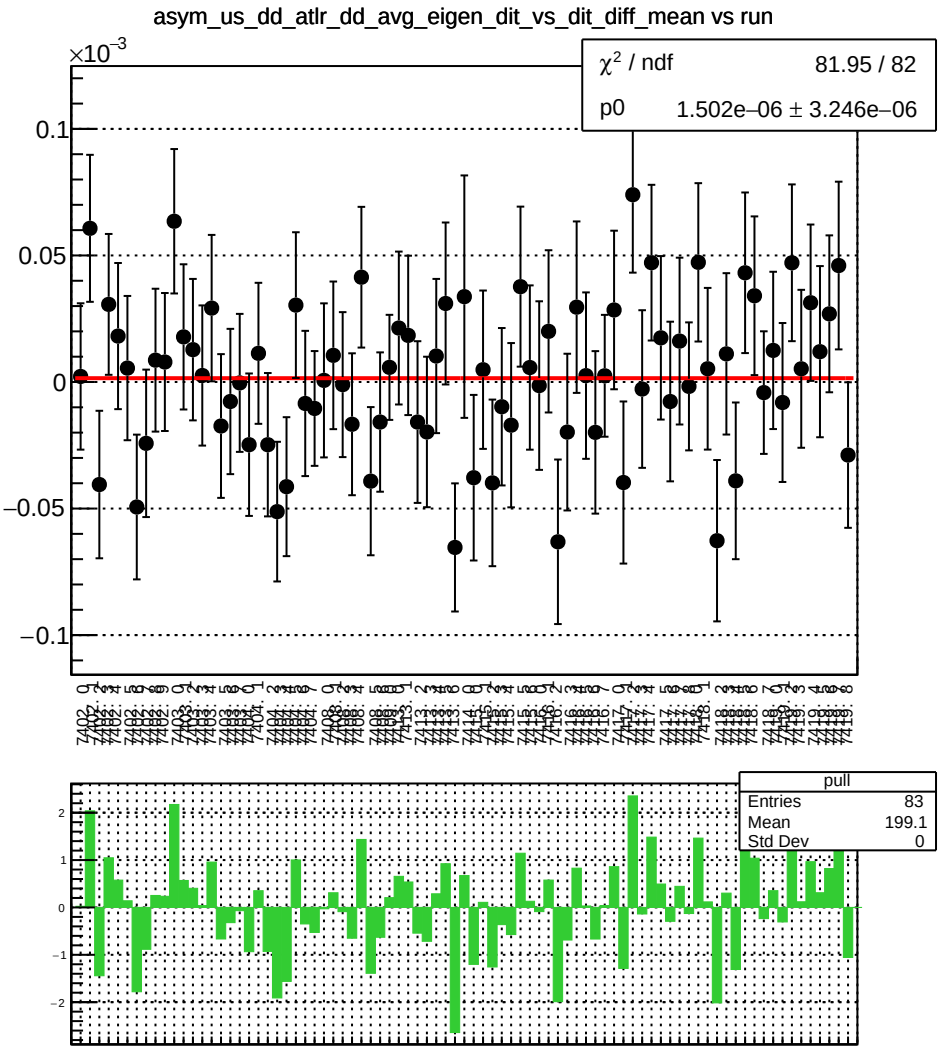

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.3 / 82
p0 −0.1791± 0.2829
pull
Entries 83
Mean 5865
Std Dev 0

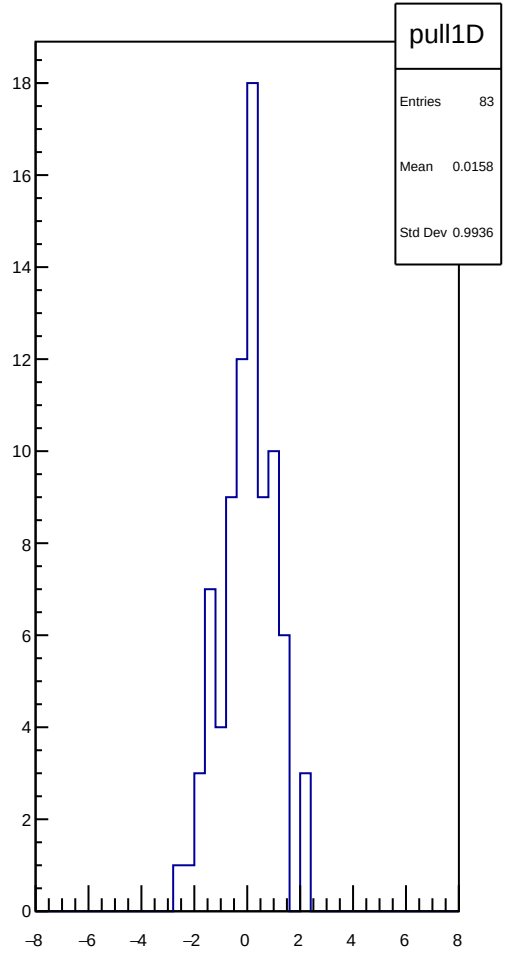

pull1D
Entries 83
Mean −0.0005234
Std Dev 1.031

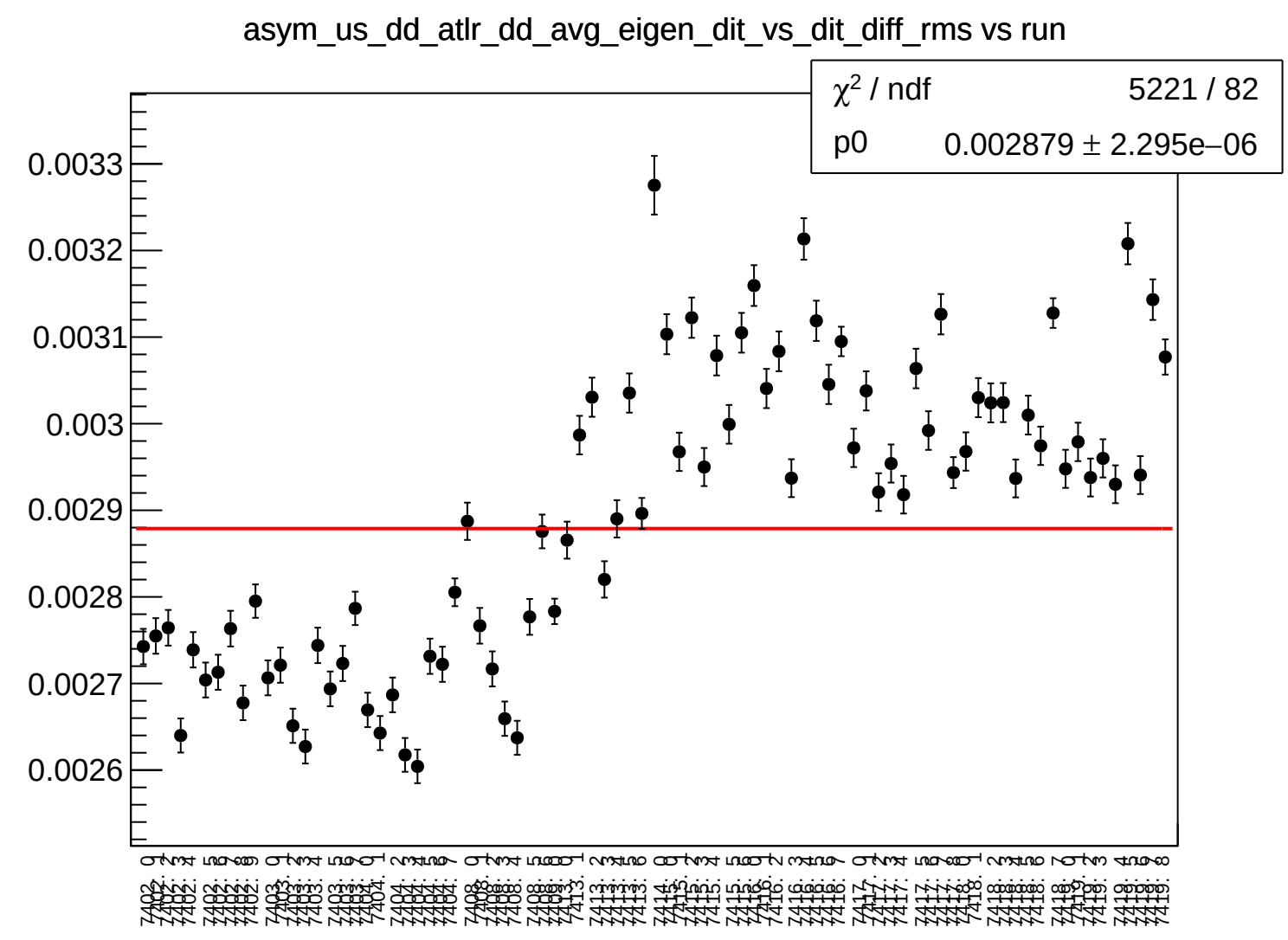

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.911e+04 / 82
p0 249 ± 0.2001
340
320
300
280
260
240
220
200
180
160

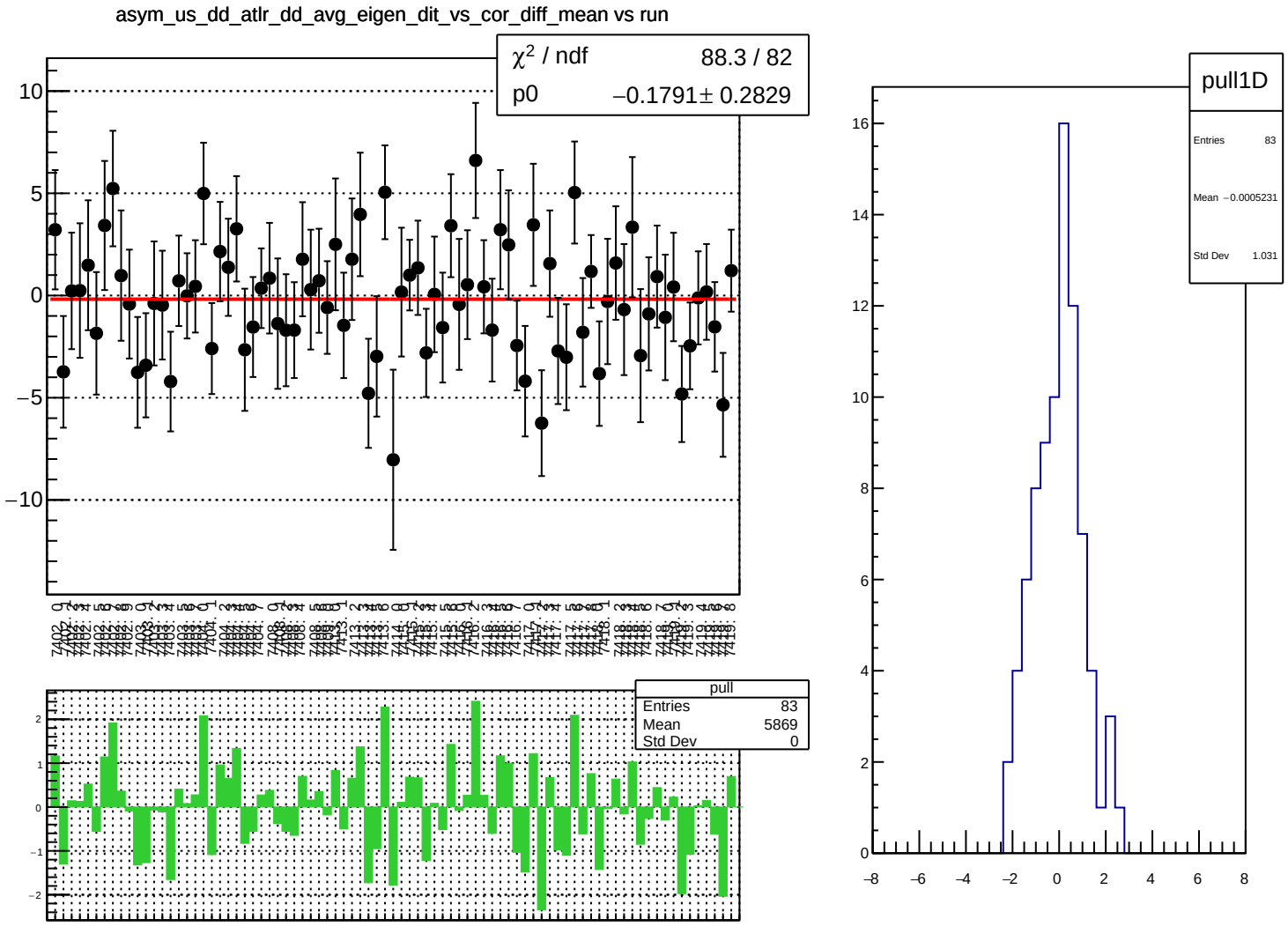

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.3 / 82
p0 −0.1791± 0.2829
pull
Entries 83
Mean 5865
Std Dev 0
pull1D
Entries 83
Mean −0.0005234
Std Dev 1.031

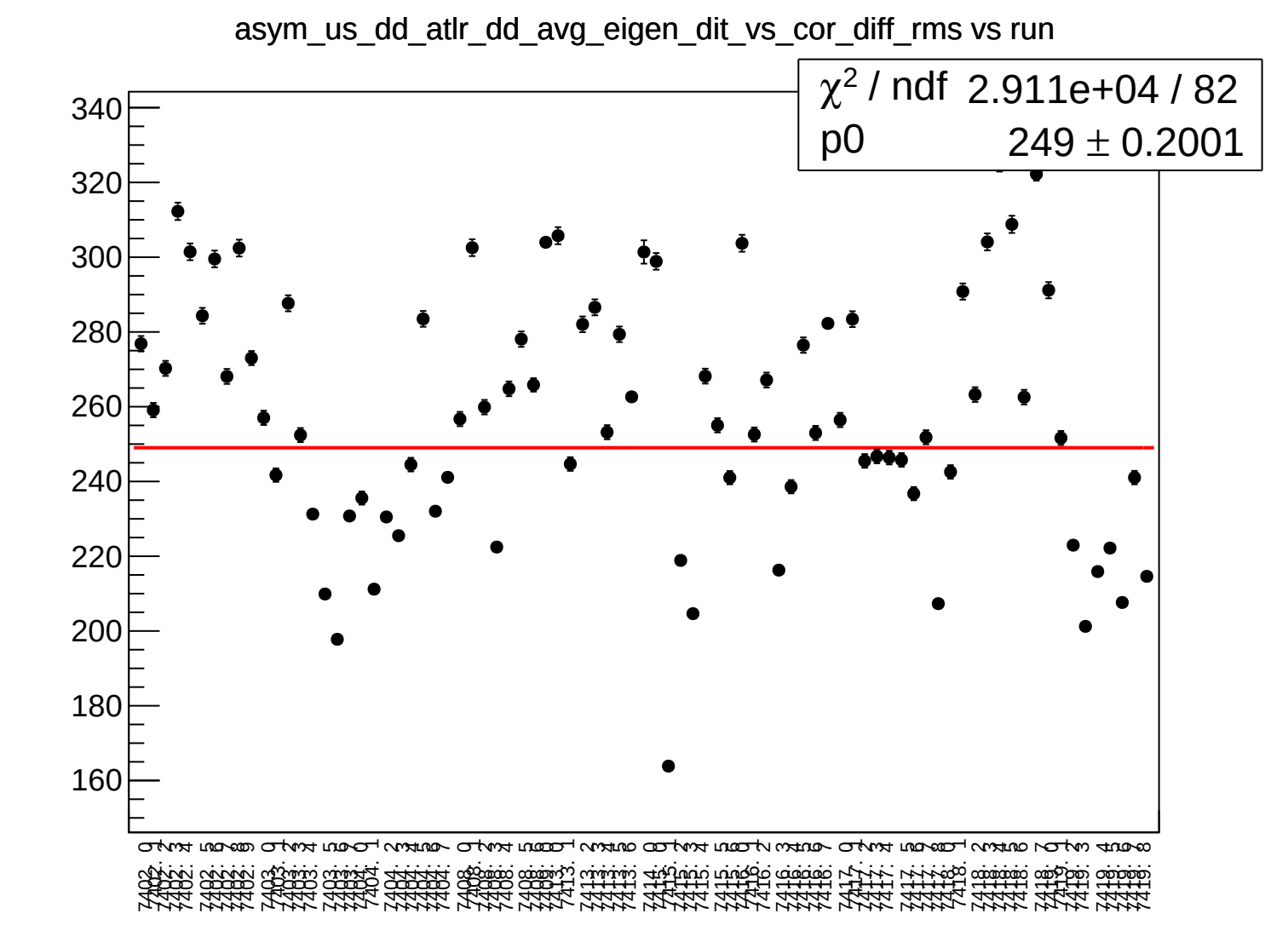

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.911e+04 / 82
p0 249 ± 0.2001
340
320
300
280
260
240
220
200
180
160

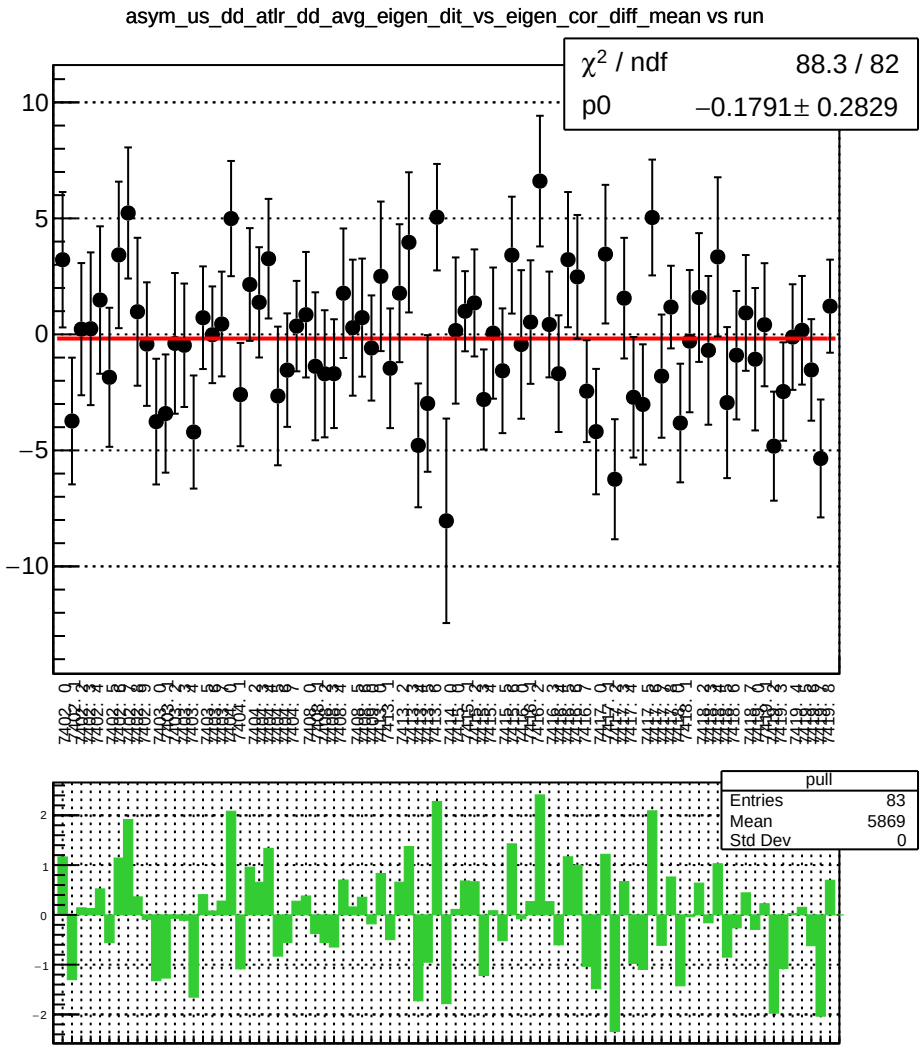

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.95 / 82
p0 1.502e−06 ± 3.246e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 199.1
Std Dev 0
2
1
0
−1
−2

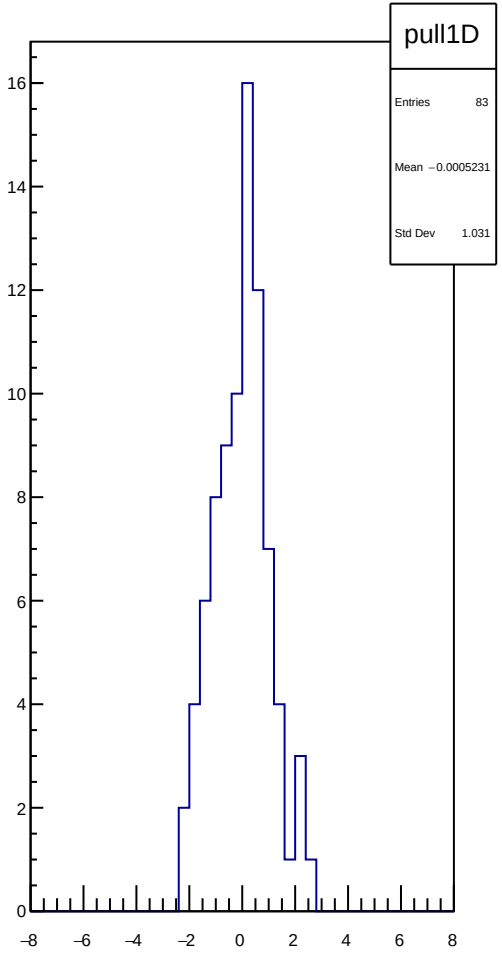

pull1D
Entries 83
Mean 0.0158
Std Dev 0.9936
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

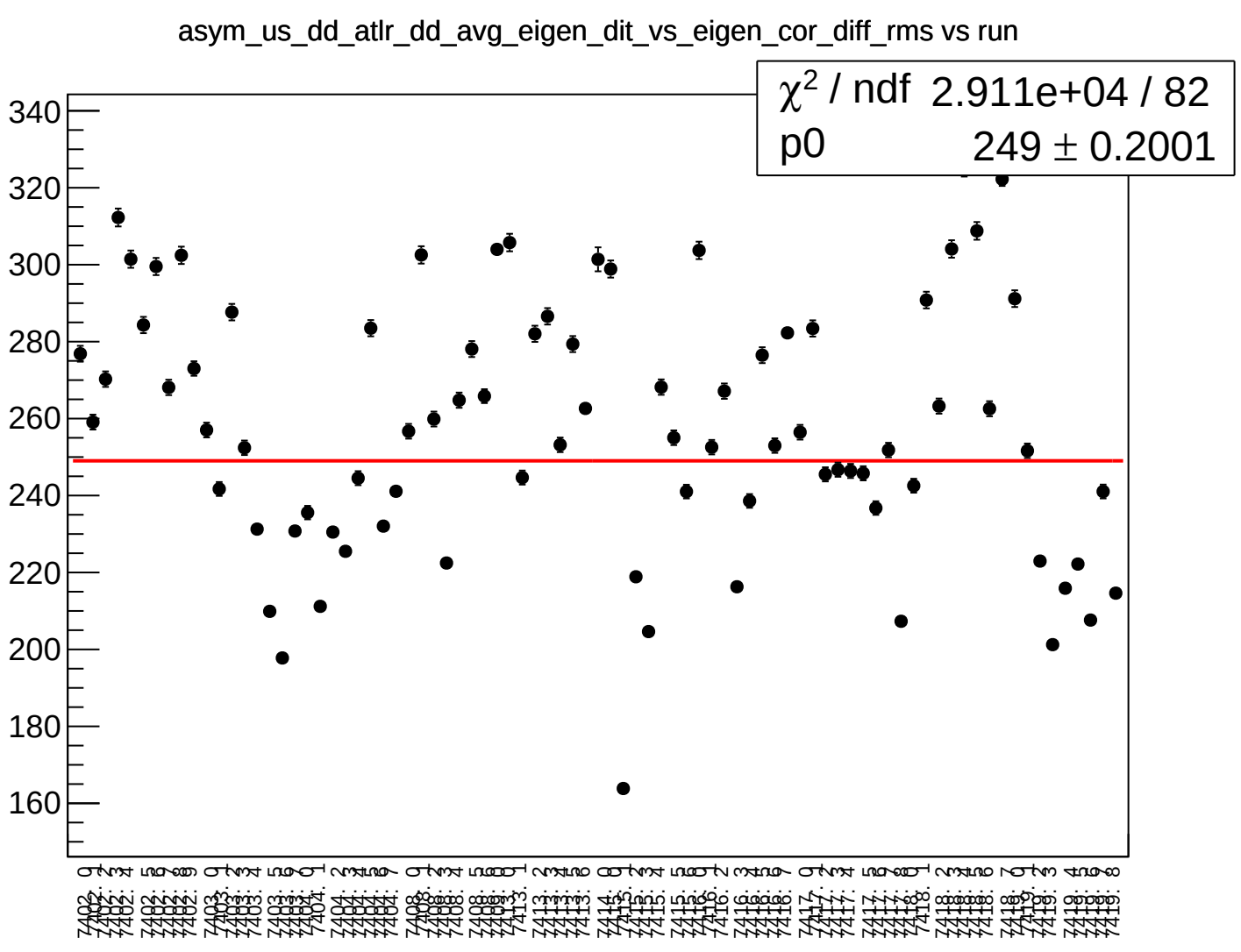

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5221 / 82
p0 0.002879 ± 2.295e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026

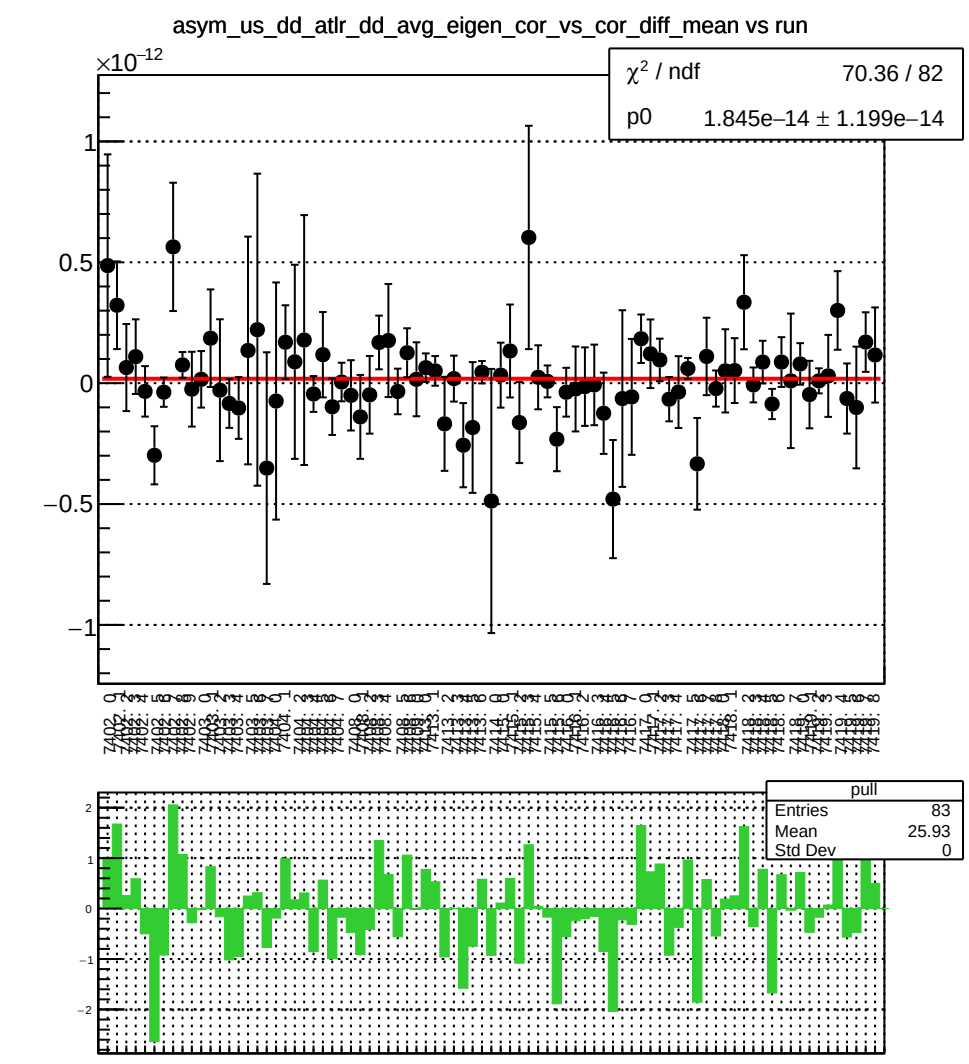

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.3 / 82
p0 −0.1791± 0.2829
pull
Entries 83
Mean 5869
Std Dev 0
pull1D
Entries 83
Mean −0.0005231
Std Dev 1.031

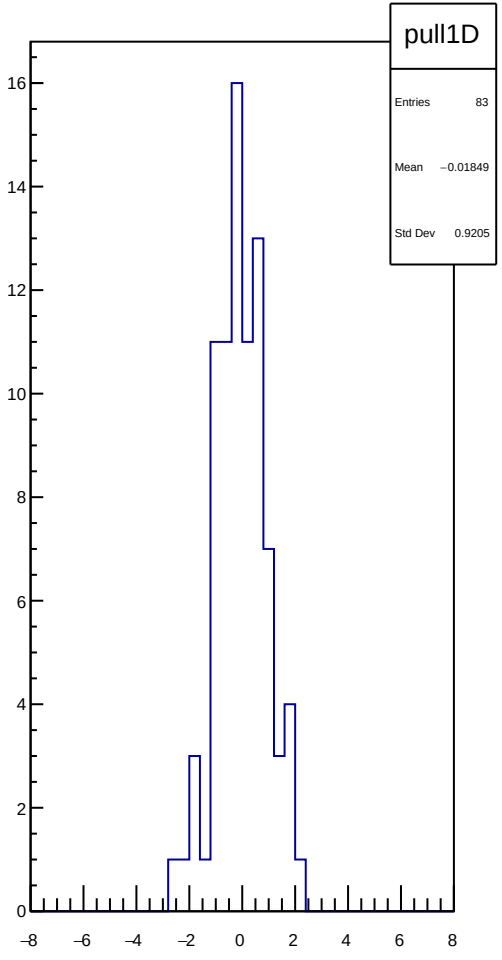

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.911e+04 / 82
p0 249 ± 0.2001
340
320
300
280
260
240
220
200
180
160

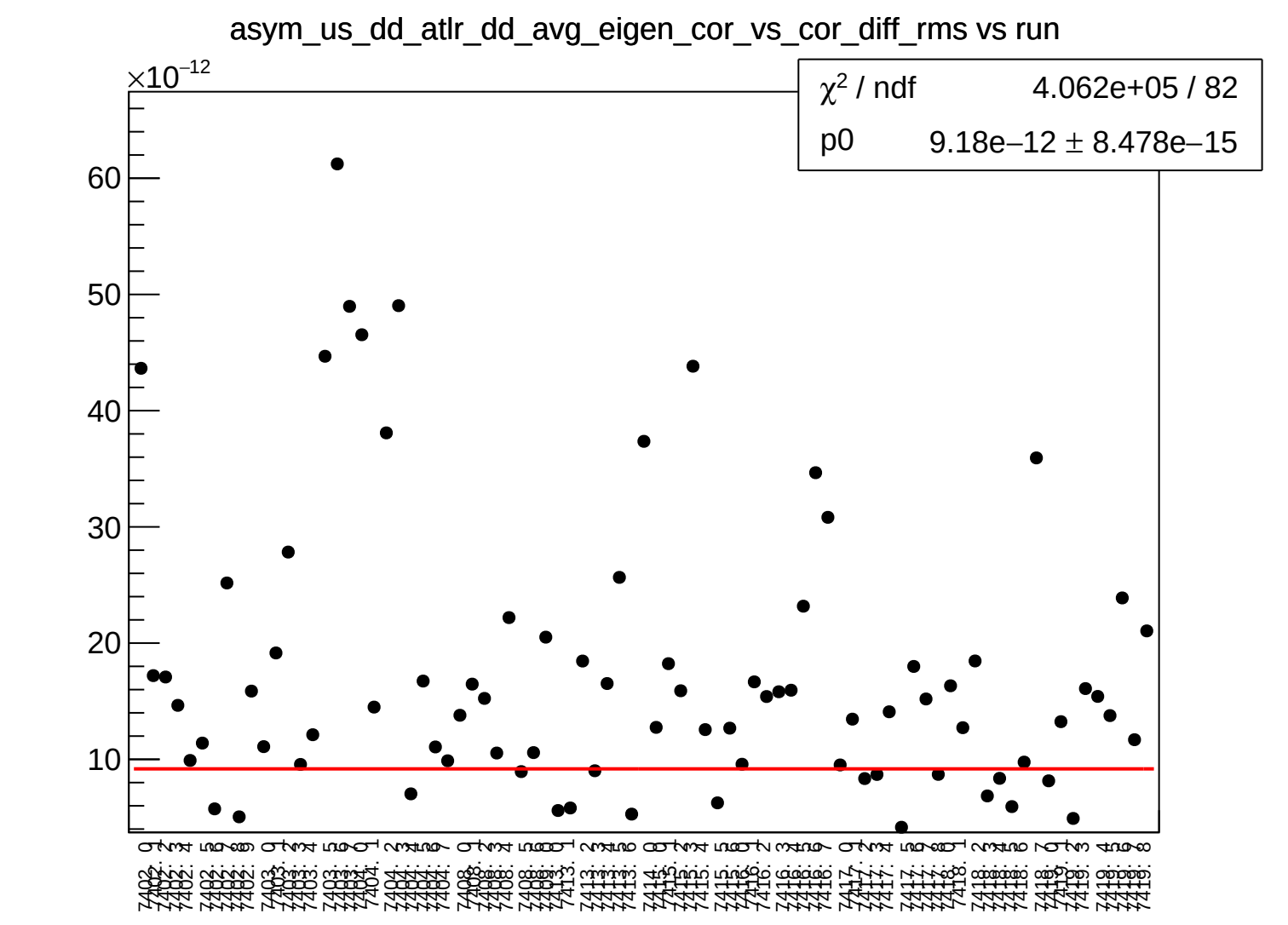

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.3 / 82
p0 −0.1791± 0.2829
pull
Entries 83
Mean 5869
Std Dev 0

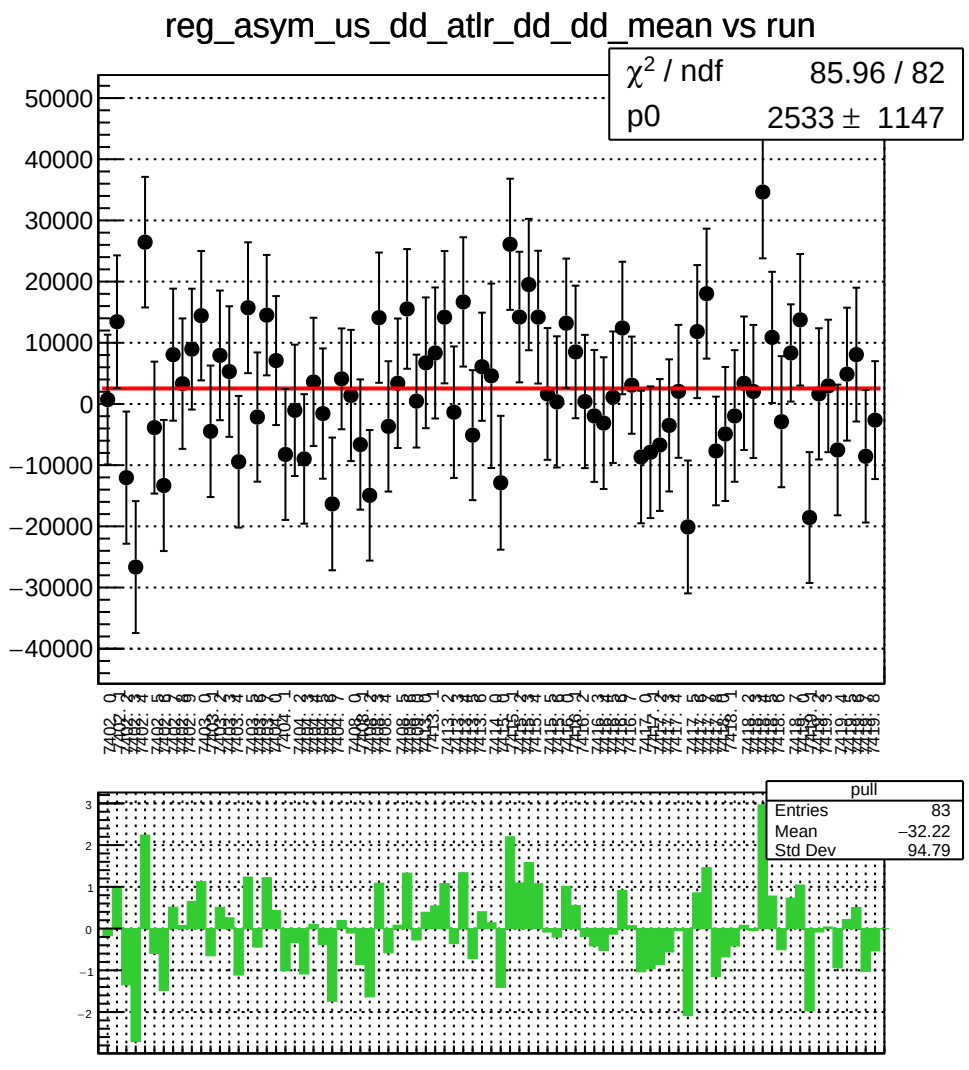

pull1D
Entries 83
Mean −0.0005231
Std Dev 1.031

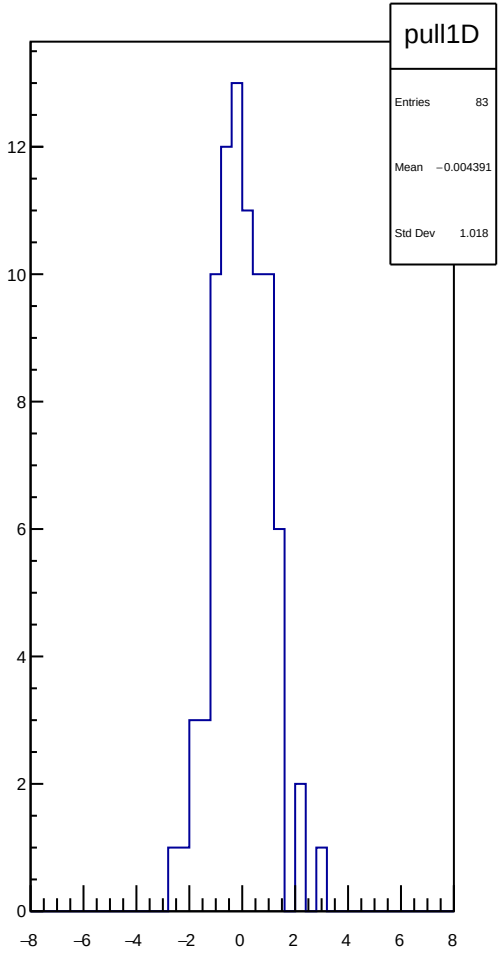

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.911e+04 / 82
p0 249 ± 0.2001
340
320
300
280
260
240
220
200
180
160

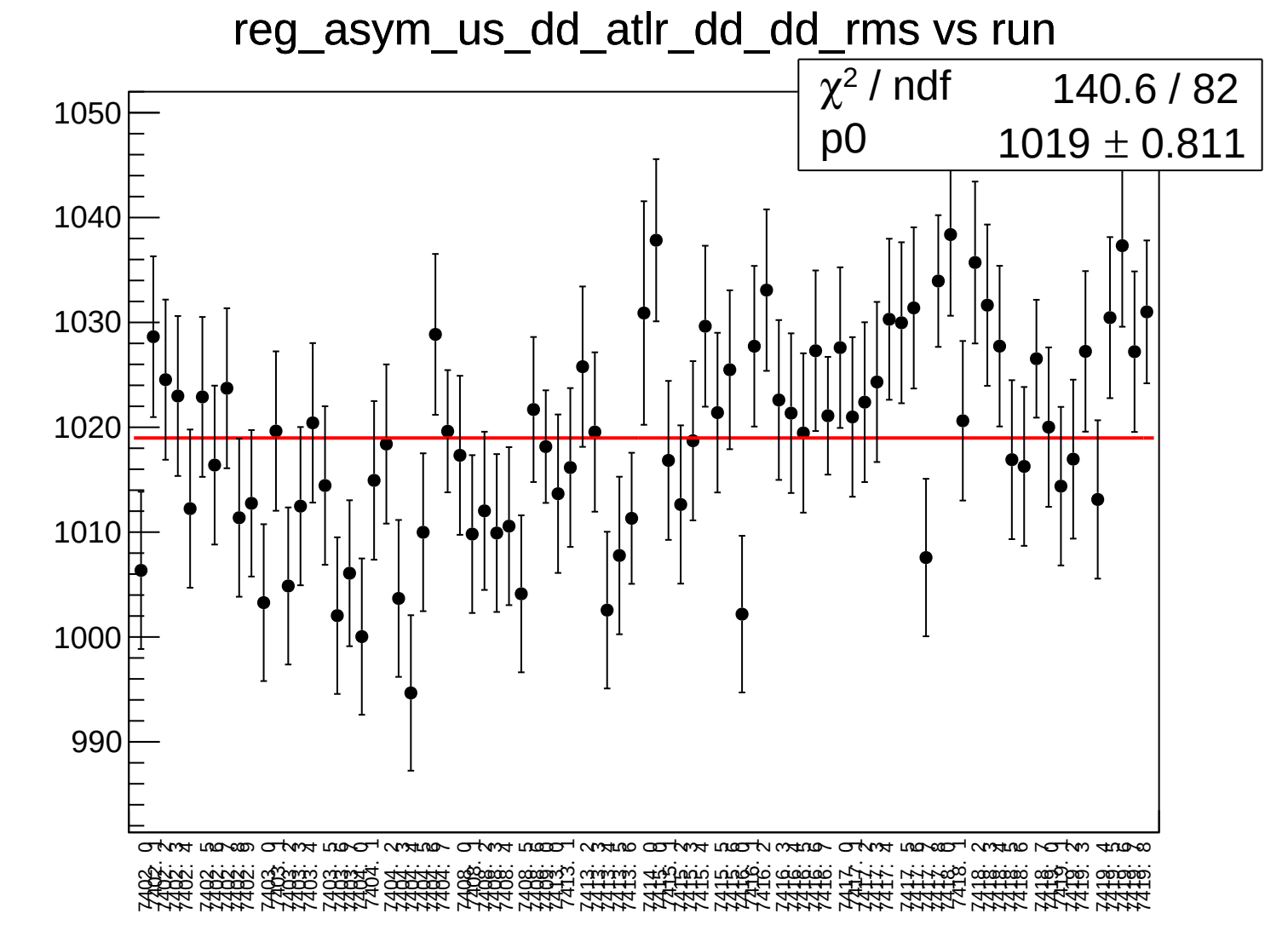

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.36 / 82
p0 1.845e−14 ± 1.199e−14
pull
Entries 83
Mean 25.93
Std Dev 0

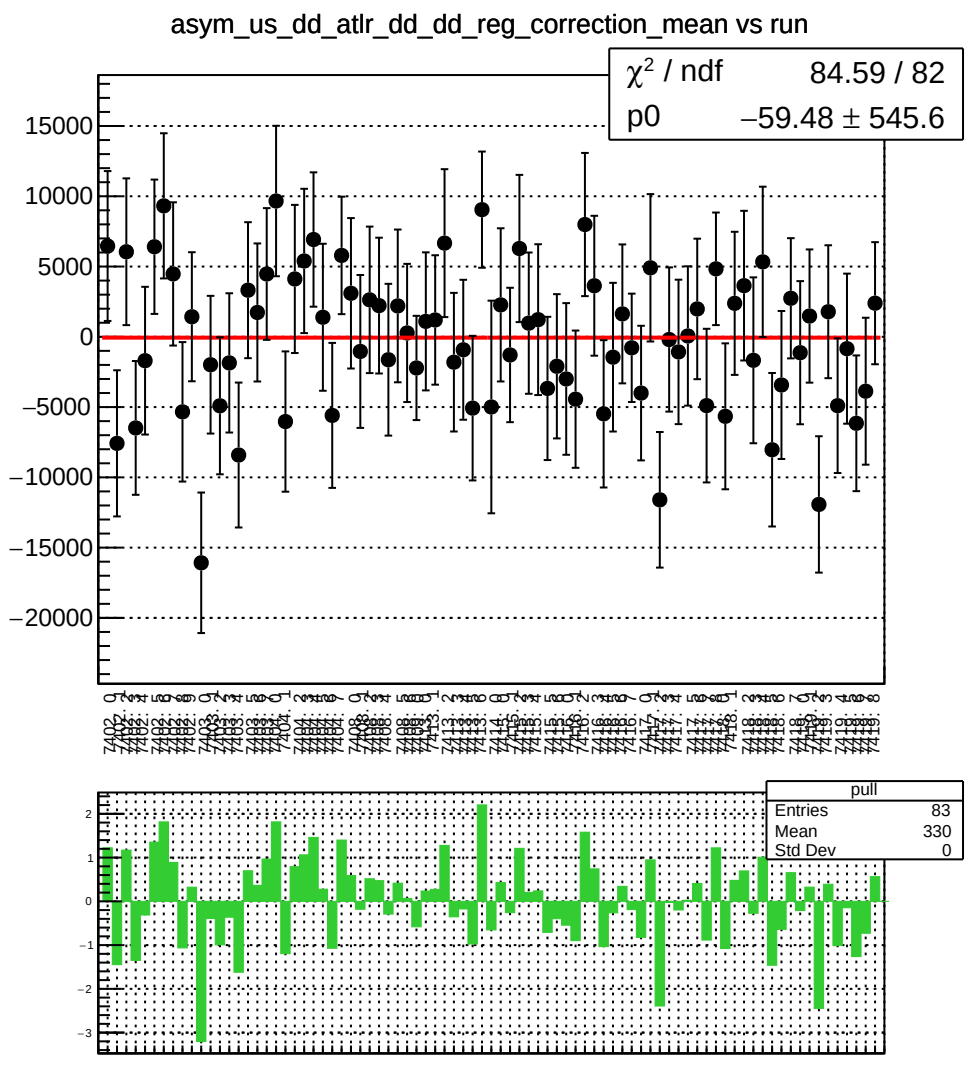

pull1D
Entries 83
Mean −0.01849
Std Dev 0.9205

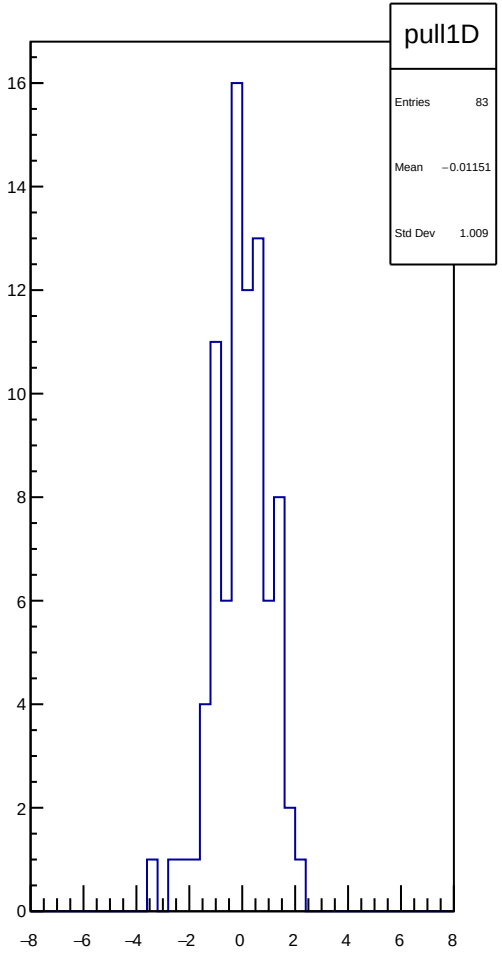

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.062e+05 / 82
p0 9.18e−12 ± 8.478e−15
60
50
40
30
20
10

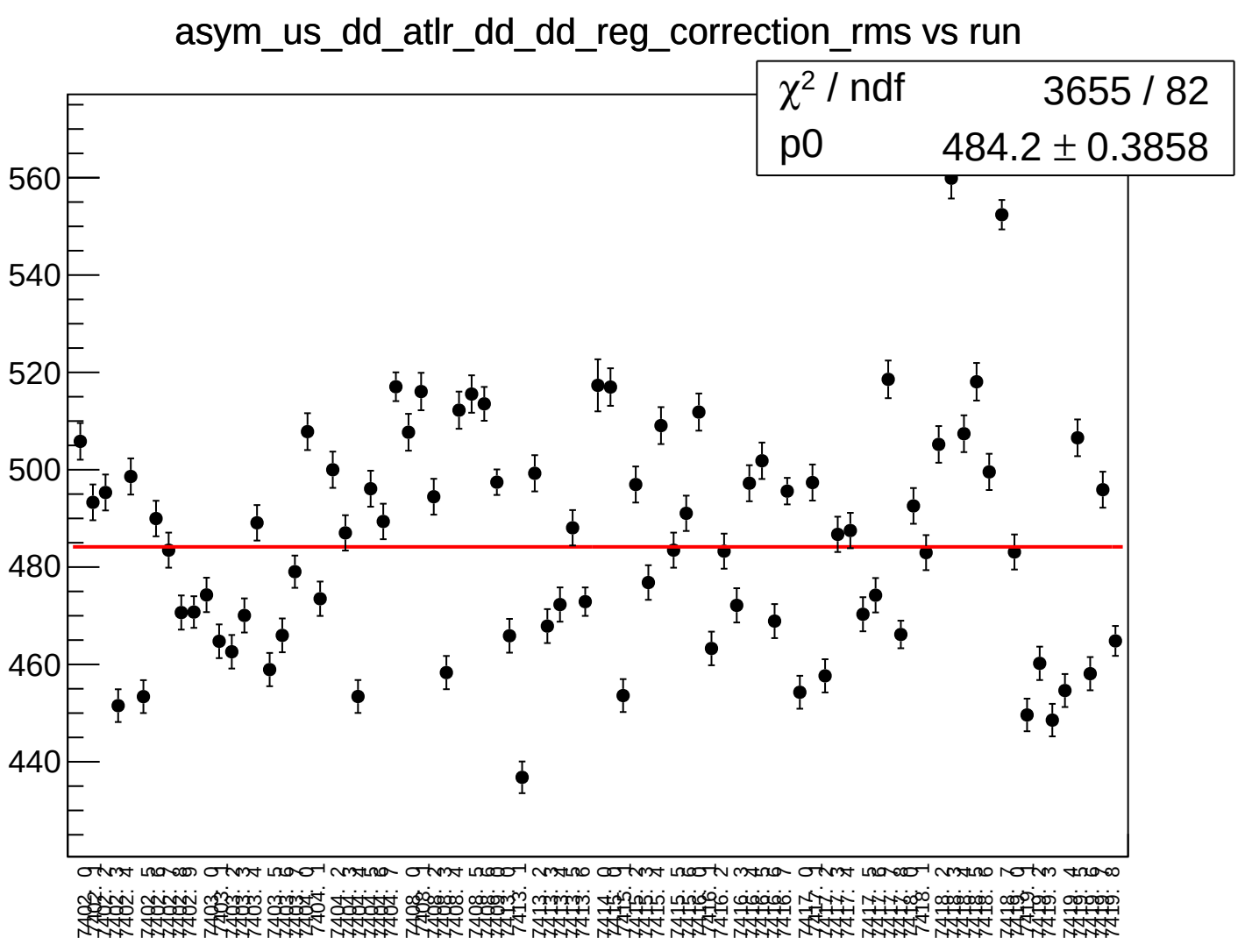

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 85.96 / 82
p0 2533 ± 1147
pull
Entries 83
Mean −32.22
Std Dev 94.79

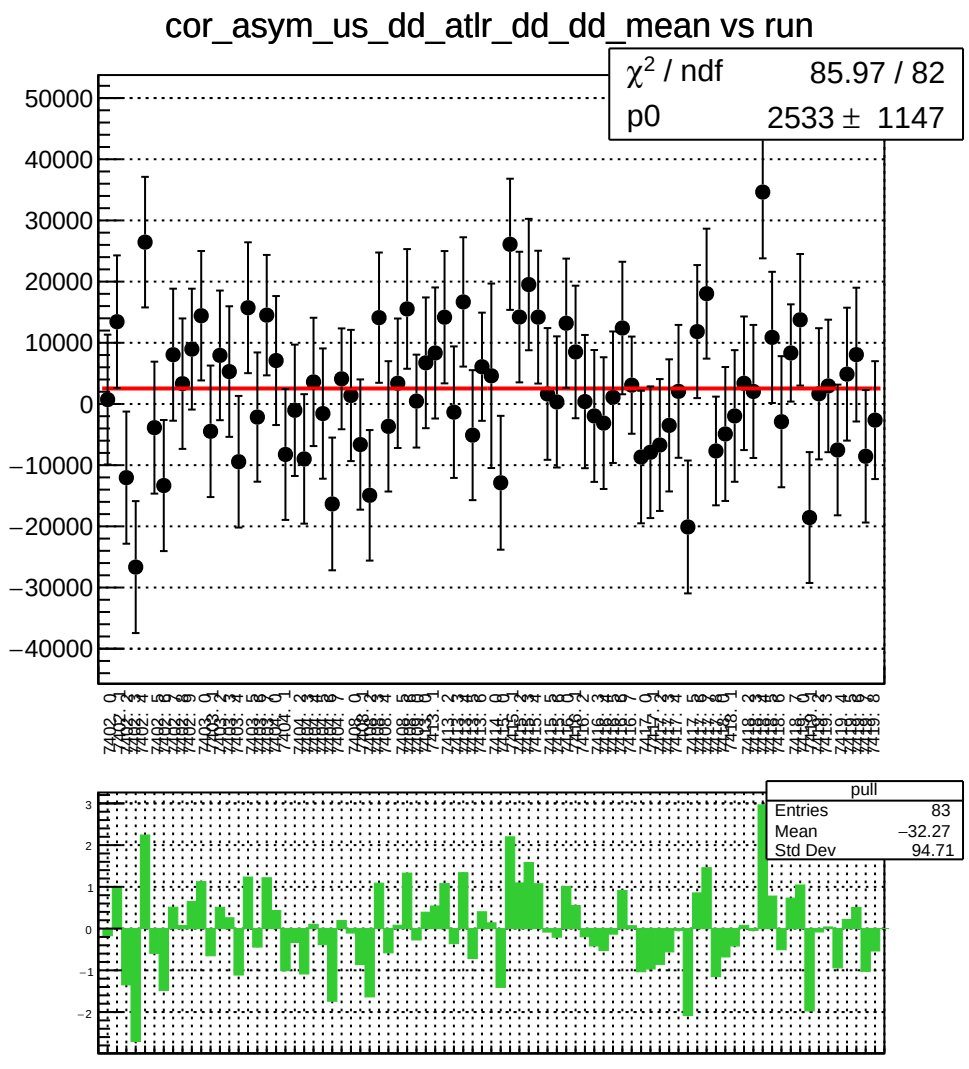

pull1D
Entries 83
Mean −0.004391
Std Dev 1.018

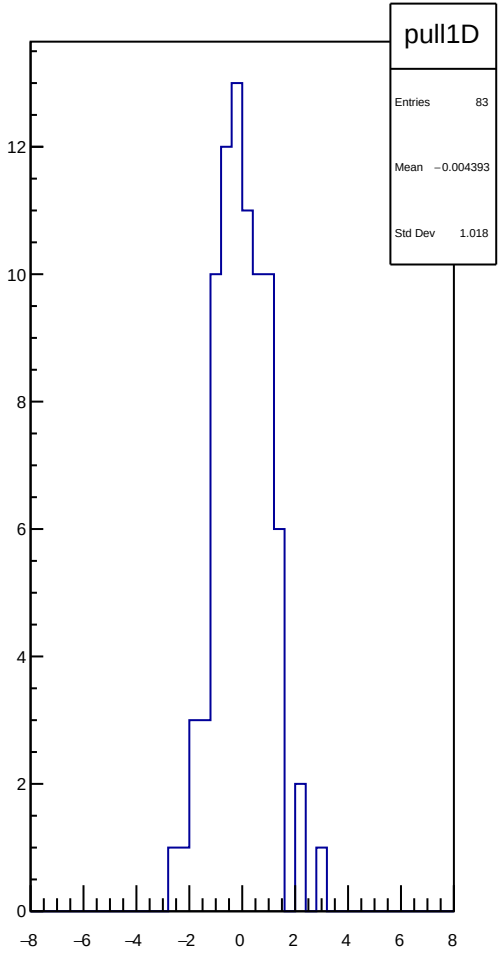

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 140.6 / 82
p0 1019 ± 0.811
1050
1040
1030
1020
1010
1000
990

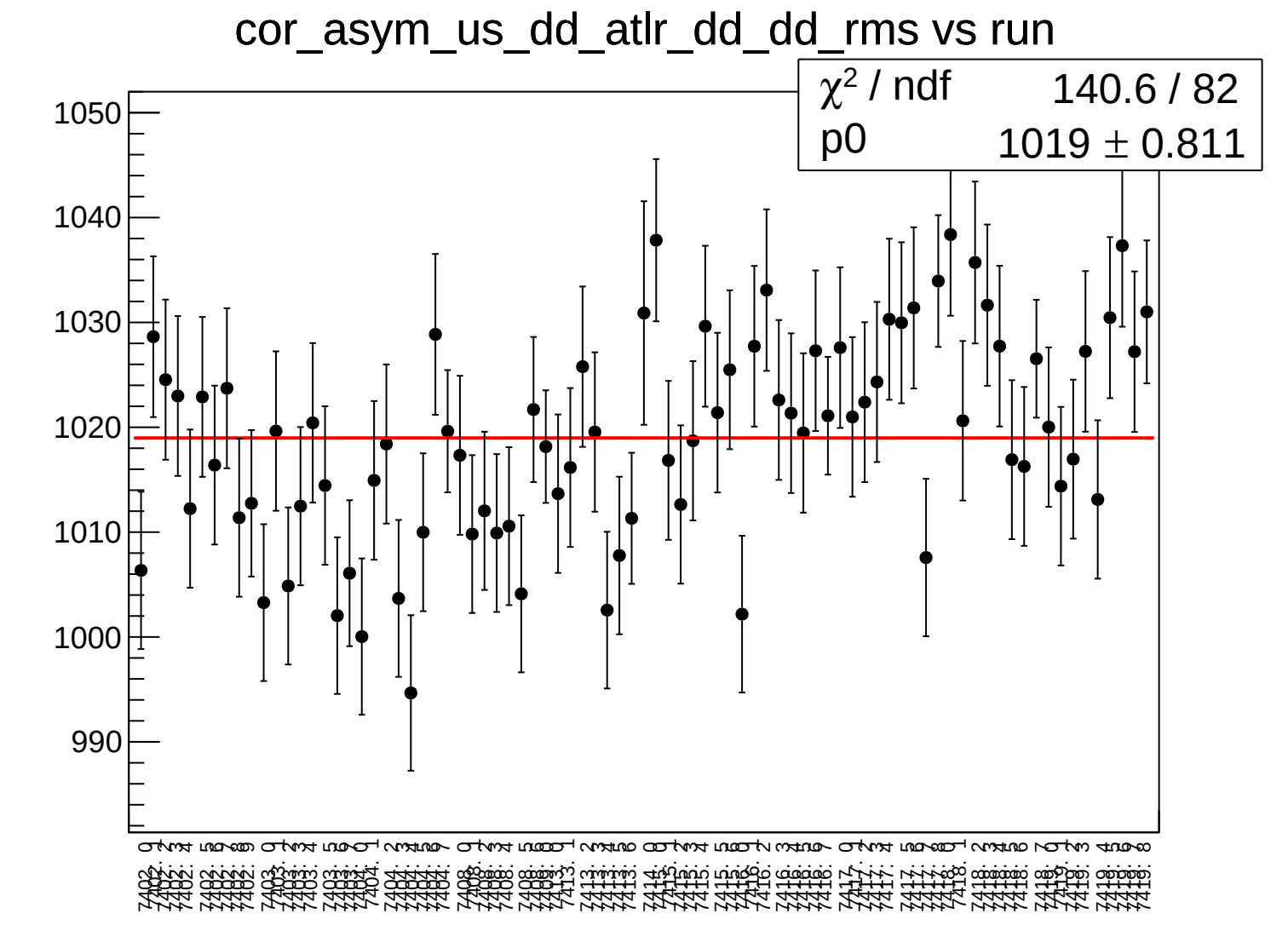

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 84.59 / 82
p0 −59.48 ± 545.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 330
Std Dev 0
2
1
0
−1
−2
−3

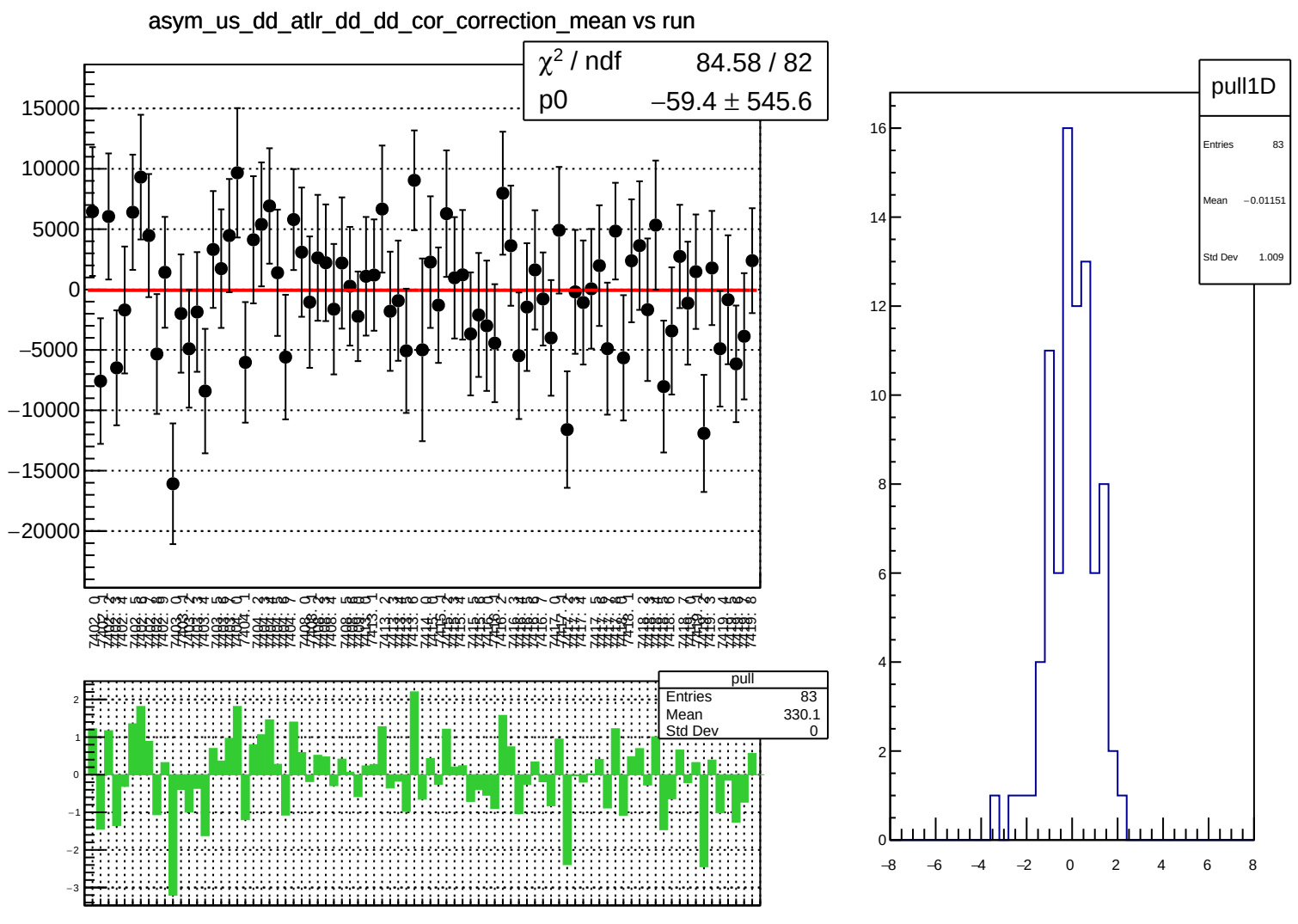

pull1D
Entries 83
Mean −0.01151
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

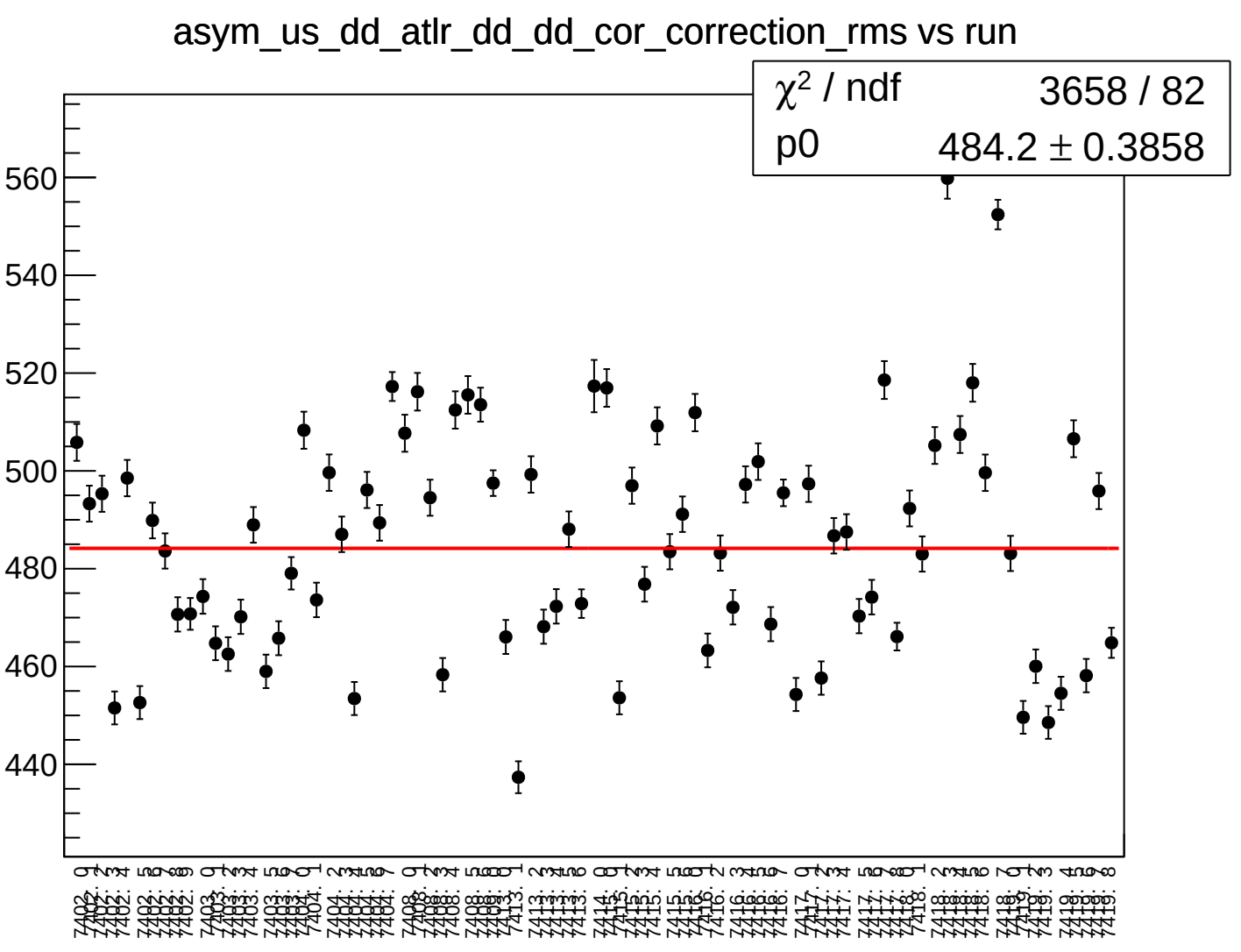

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 3655 / 82
p0 484.2 ± 0.3858
560
540
520
500
480
460
440

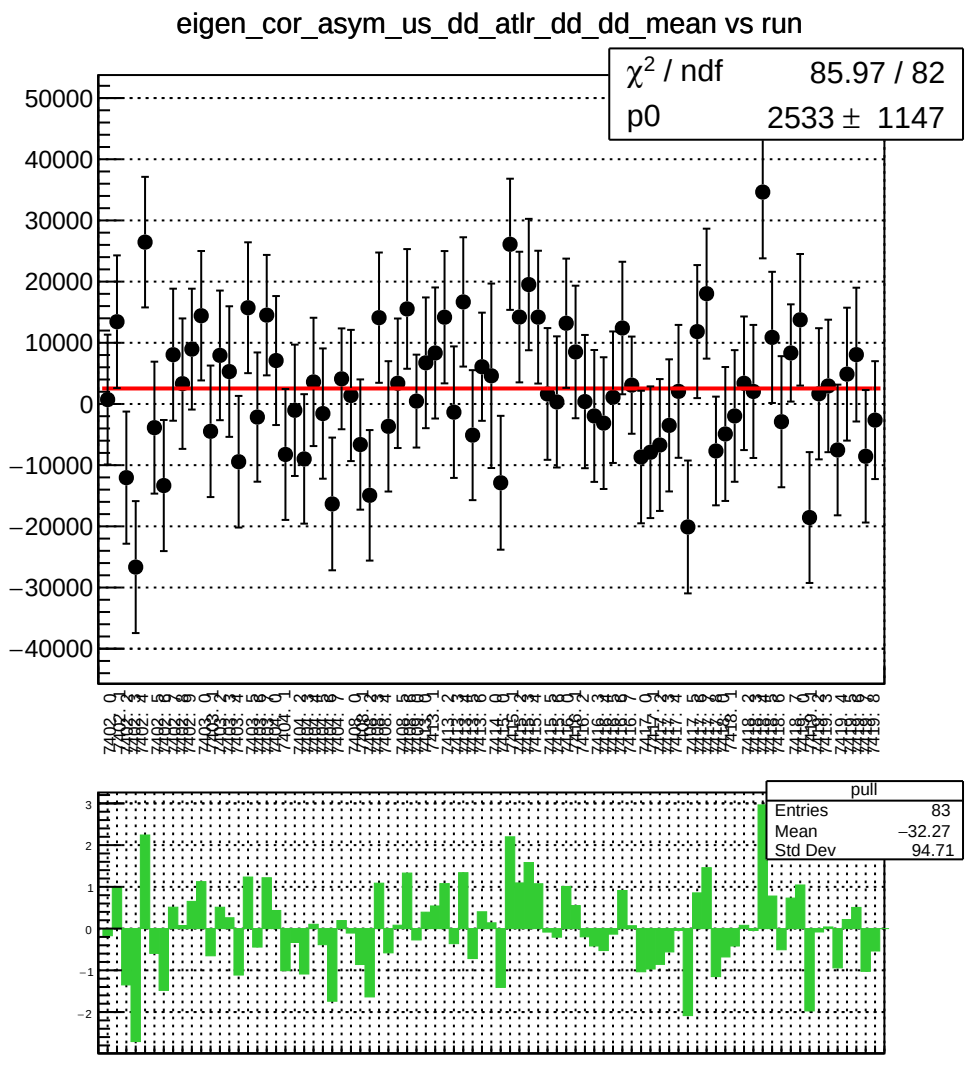

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 85.97 / 82
p0 2533 ± 1147
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −32.27
Std Dev 94.71
3
2
1
0
−1
−2

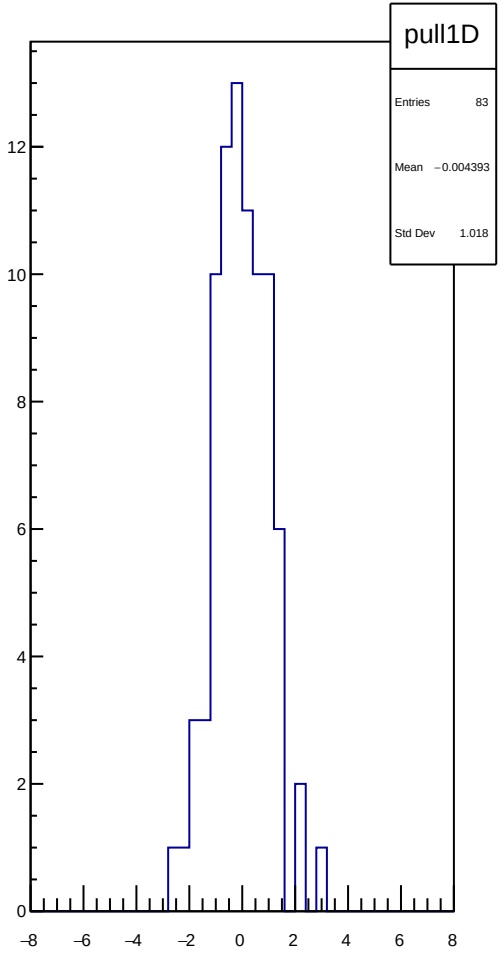

pull1D
Entries 83
Mean −0.004393
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

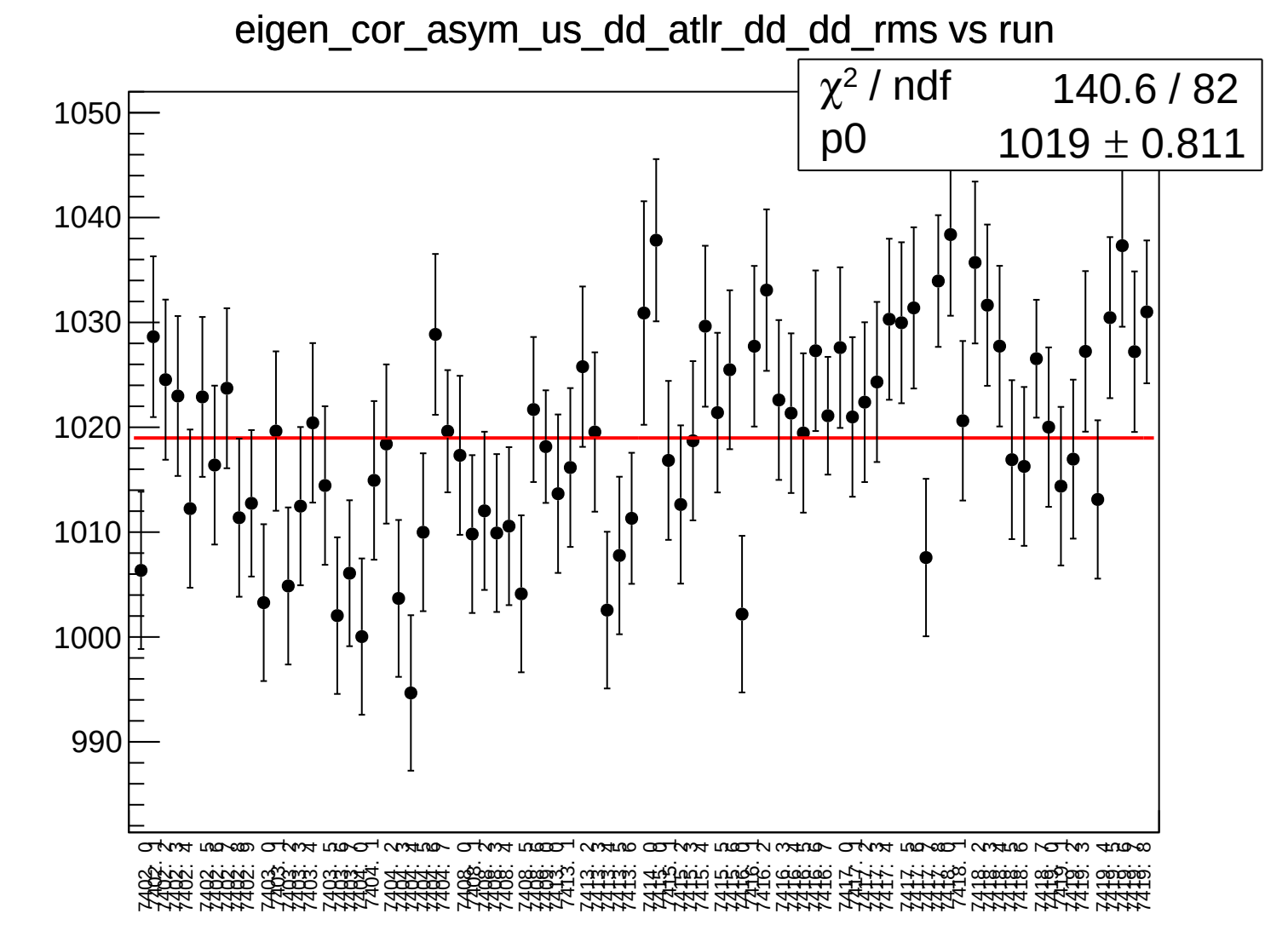

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 140.6 / 82
p0 1019 ± 0.811
1050
1040
1030
1020
1010
1000
990

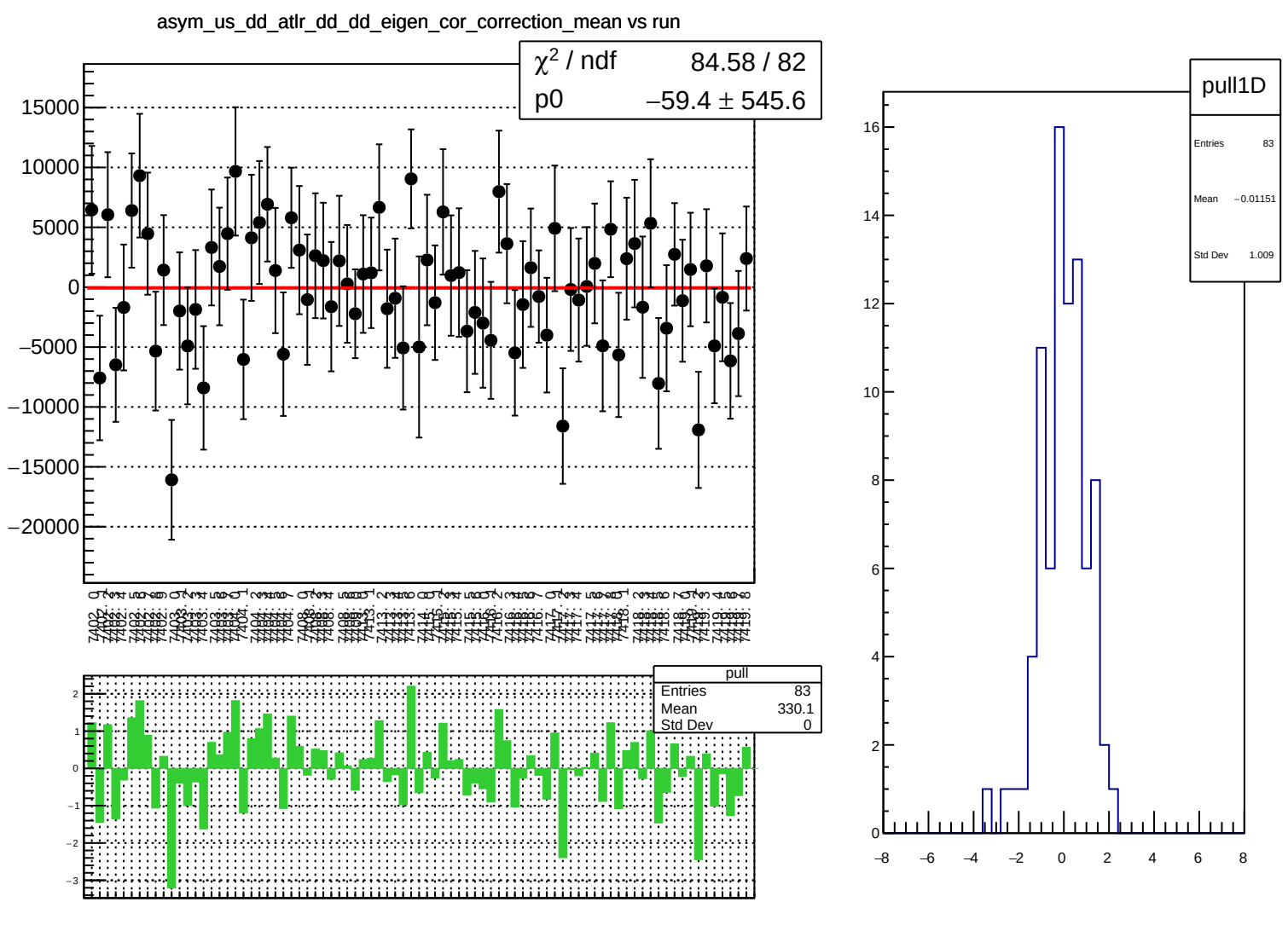

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 84.58 / 82
p0 −59.4 ± 545.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 330.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.01151
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

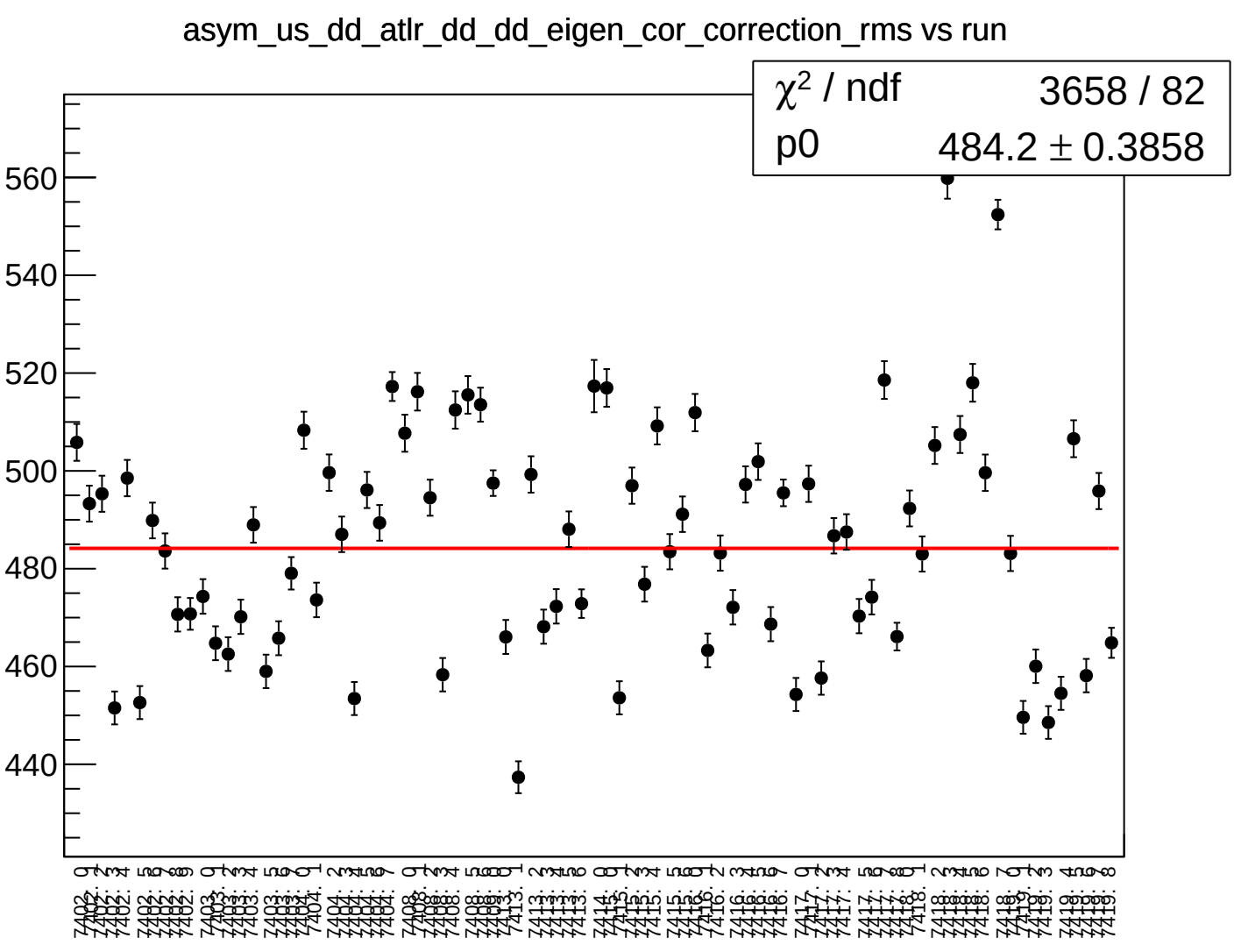

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 3658 / 82
p0 484.2 ± 0.3858
560
540
520
500
480
460
440

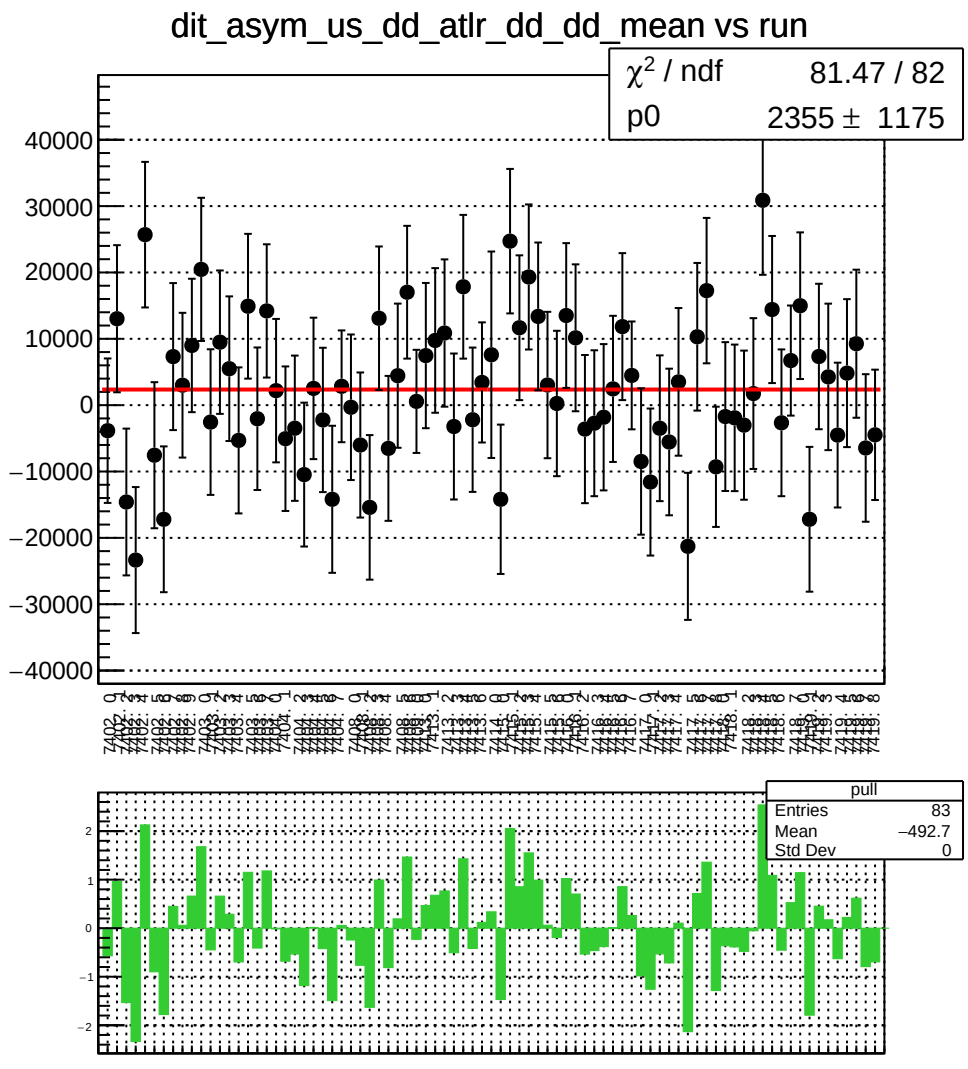

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 85.97 / 82
p0 2533 ± 1147
pull
Entries 83
Mean −32.27
Std Dev 94.71

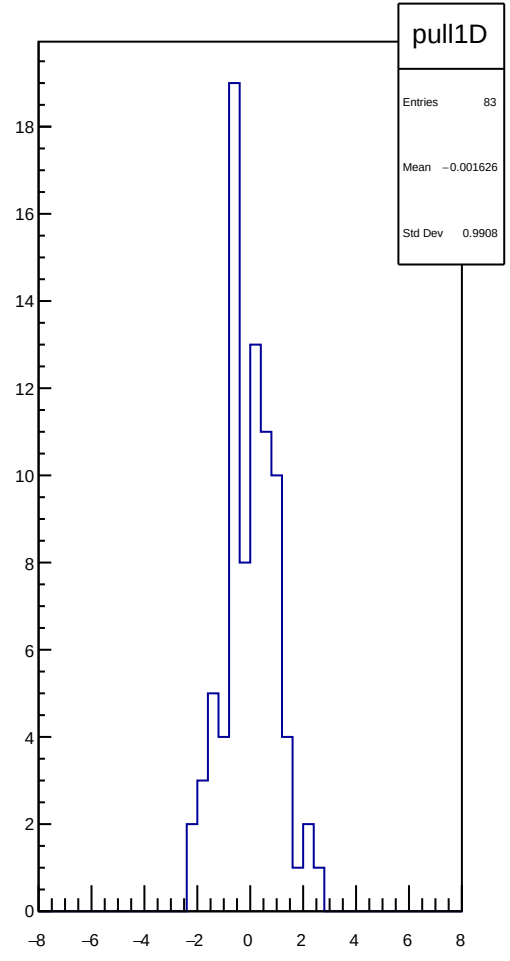

pull1D
Entries 83
Mean −0.004393
Std Dev 1.018

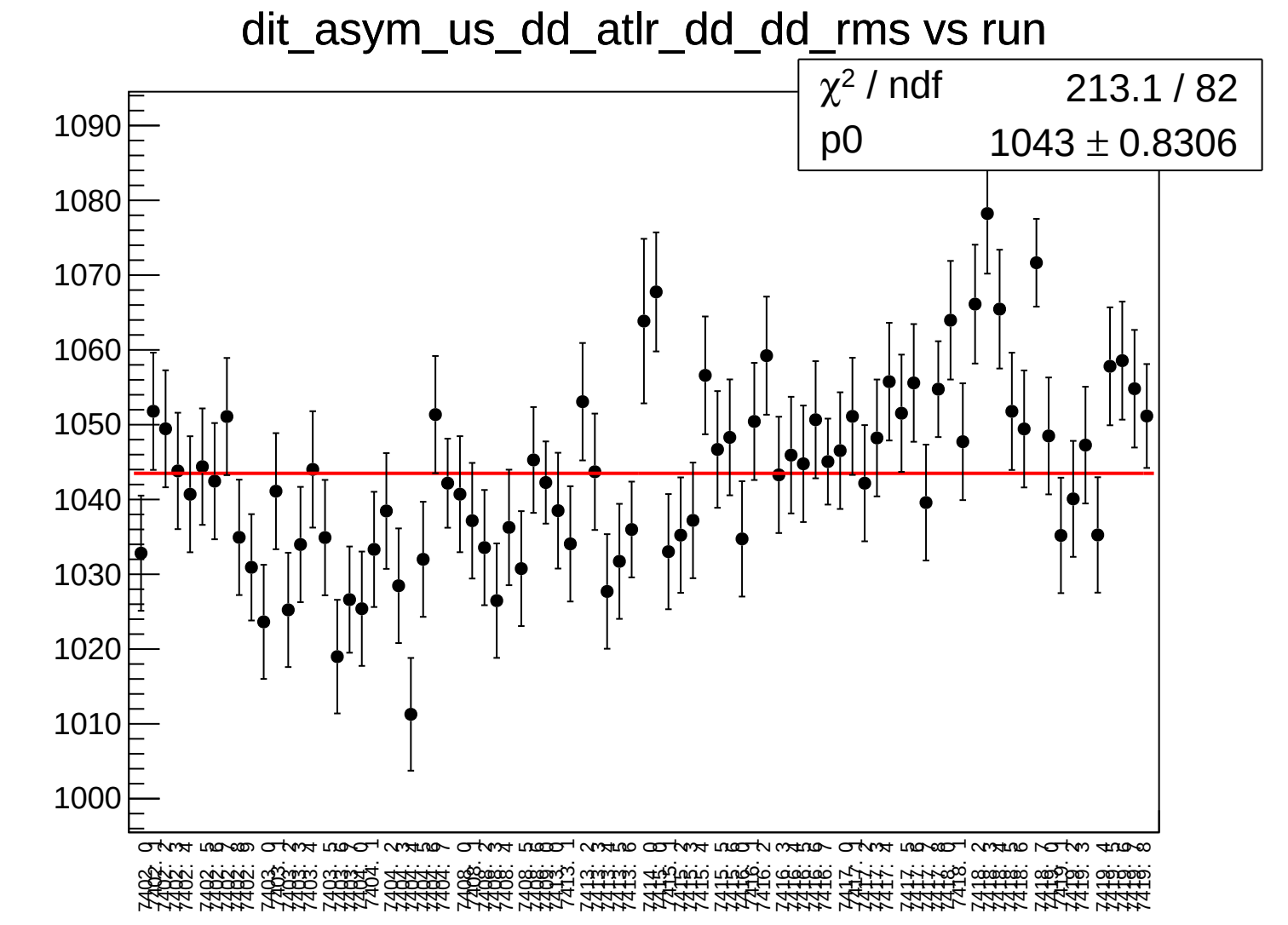

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ^2 / ndf 140.6 / 82
p0 1019 ± 0.811
1050
1040
1030
1020
1010
1000
990

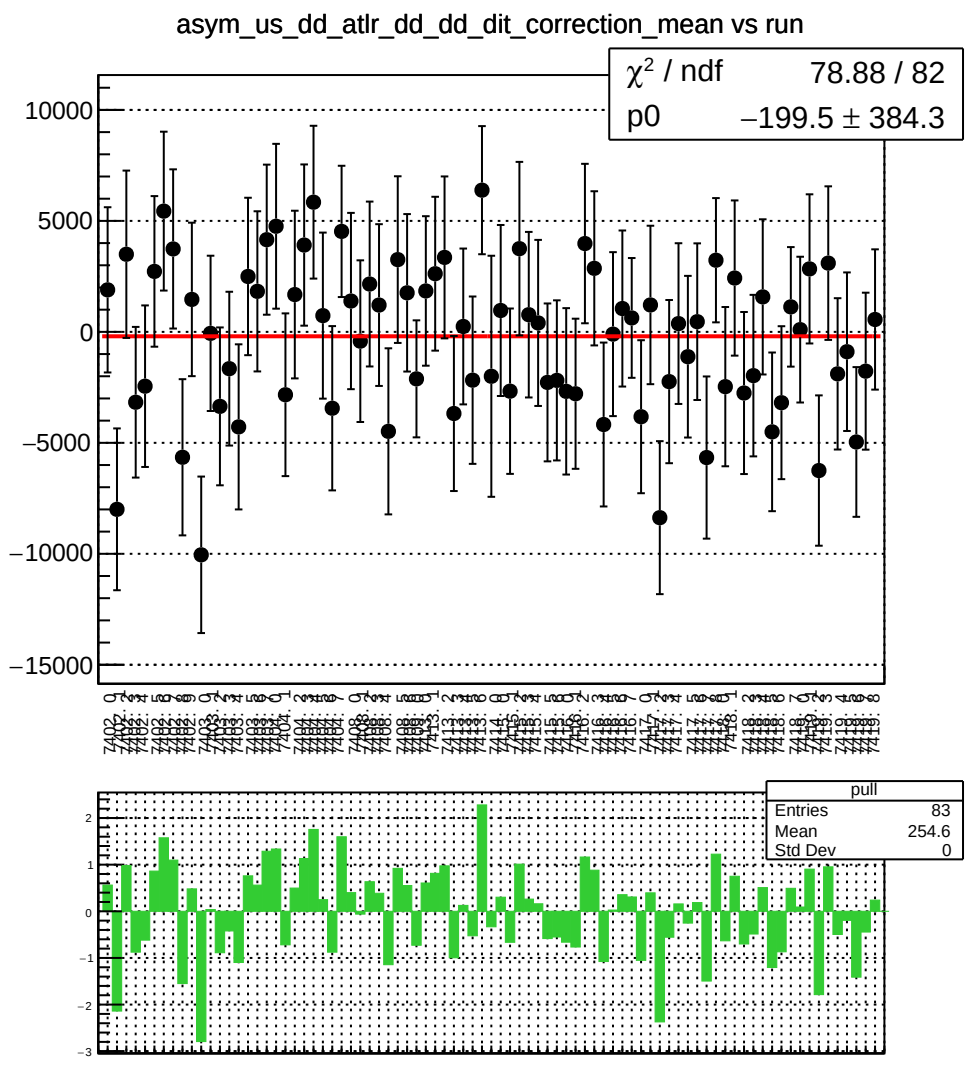

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.58 / 82
p0 −59.4 ± 545.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 330.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.01151
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

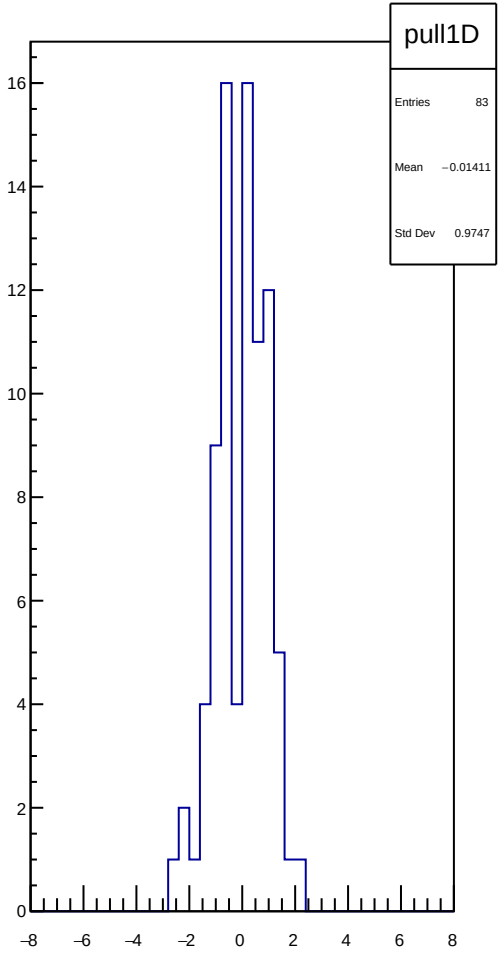

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3658 / 82
p0 484.2 ± 0.3858
560
540
520
500
480
460
440

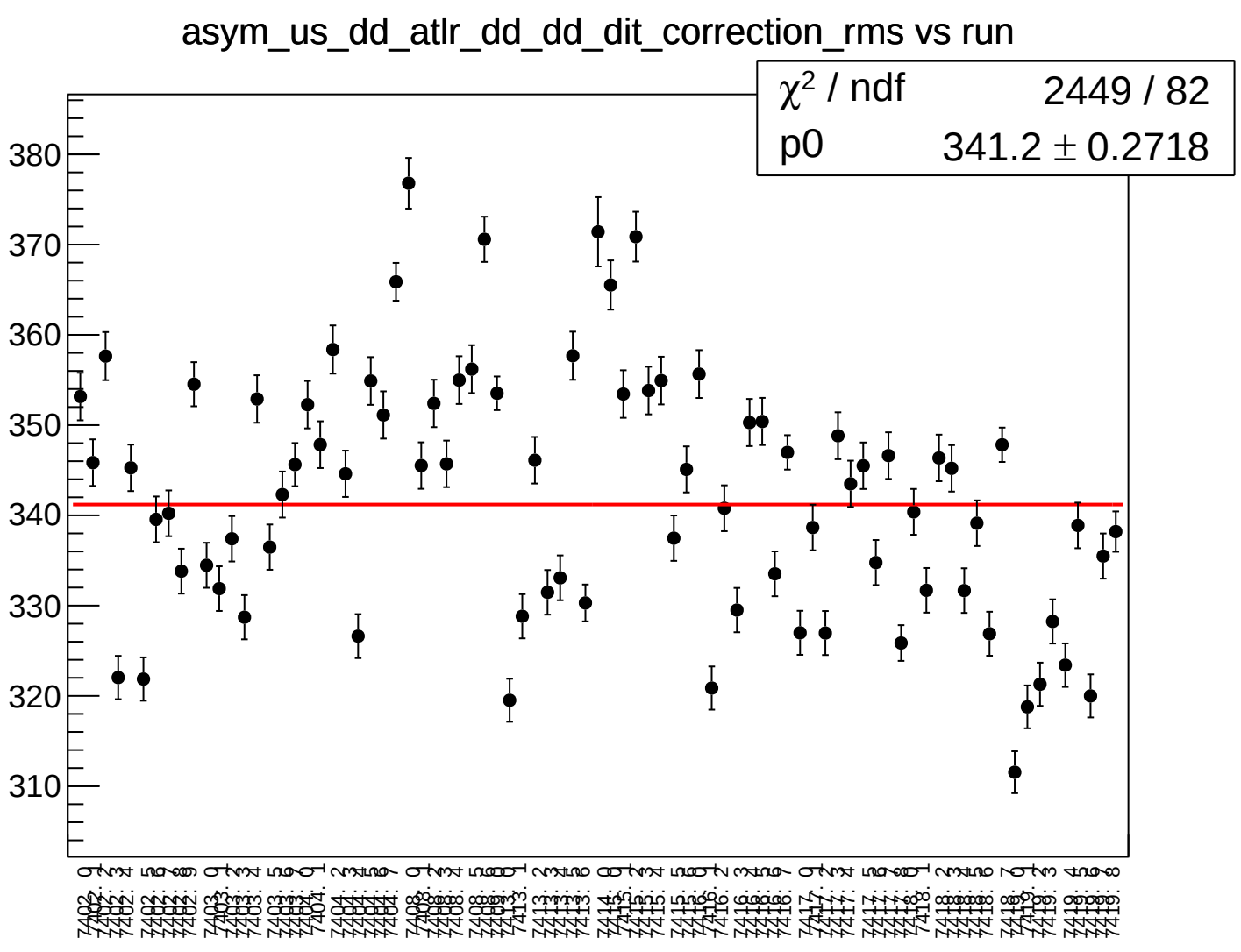

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 81.47 / 82
p0 2355 ± 1175
pull
Entries 83
Mean −492.7
Std Dev 0

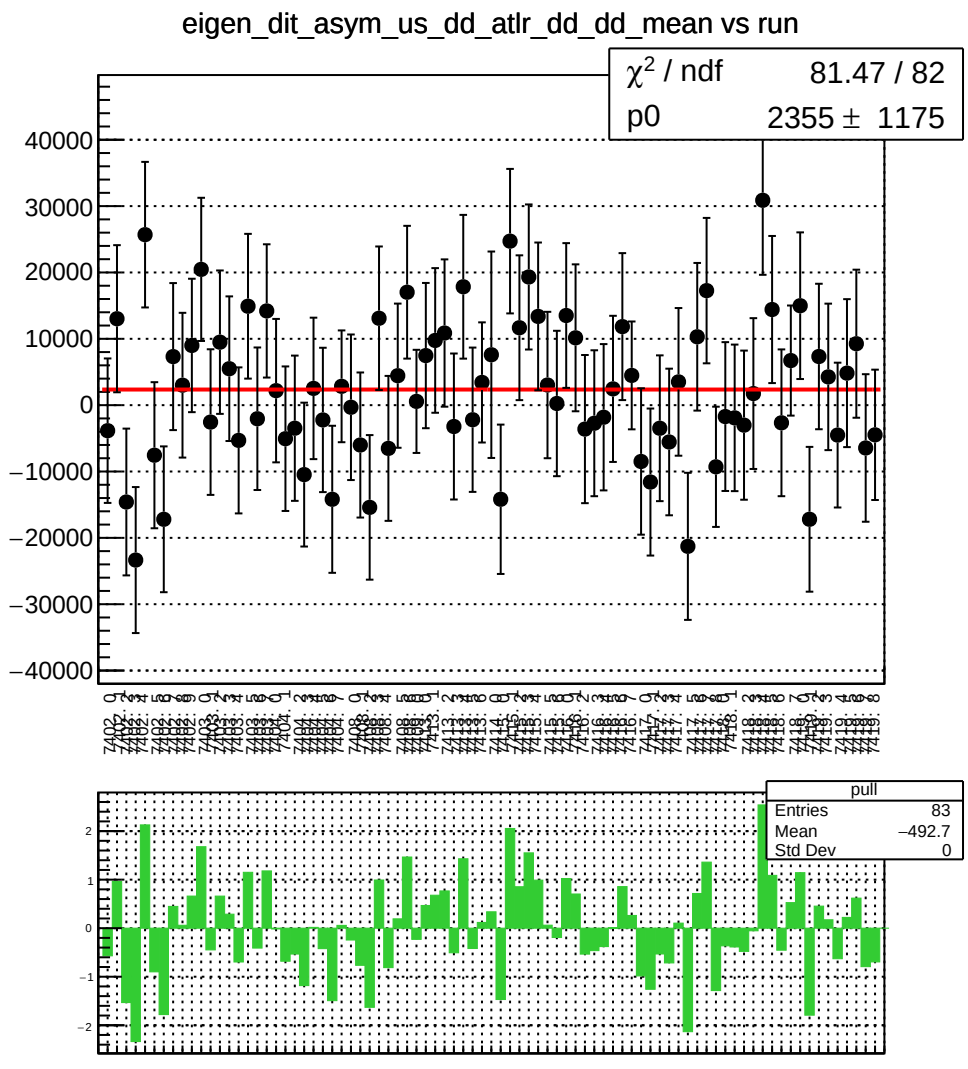

pull1D
Entries 83
Mean −0.001626
Std Dev 0.9908

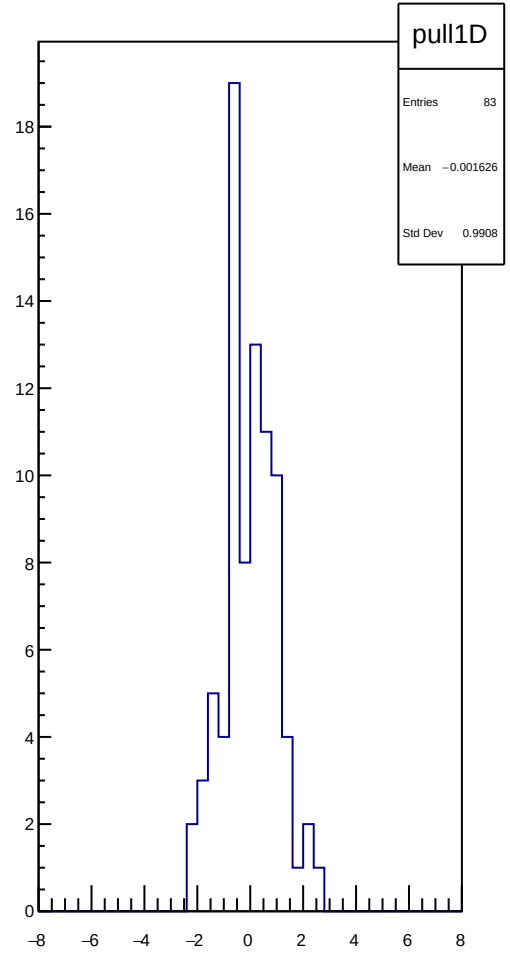

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 213.1 / 82
p0 1043 ± 0.8306
1090
1080
1070
1060
1050
1040
1030
1020
1010
1000

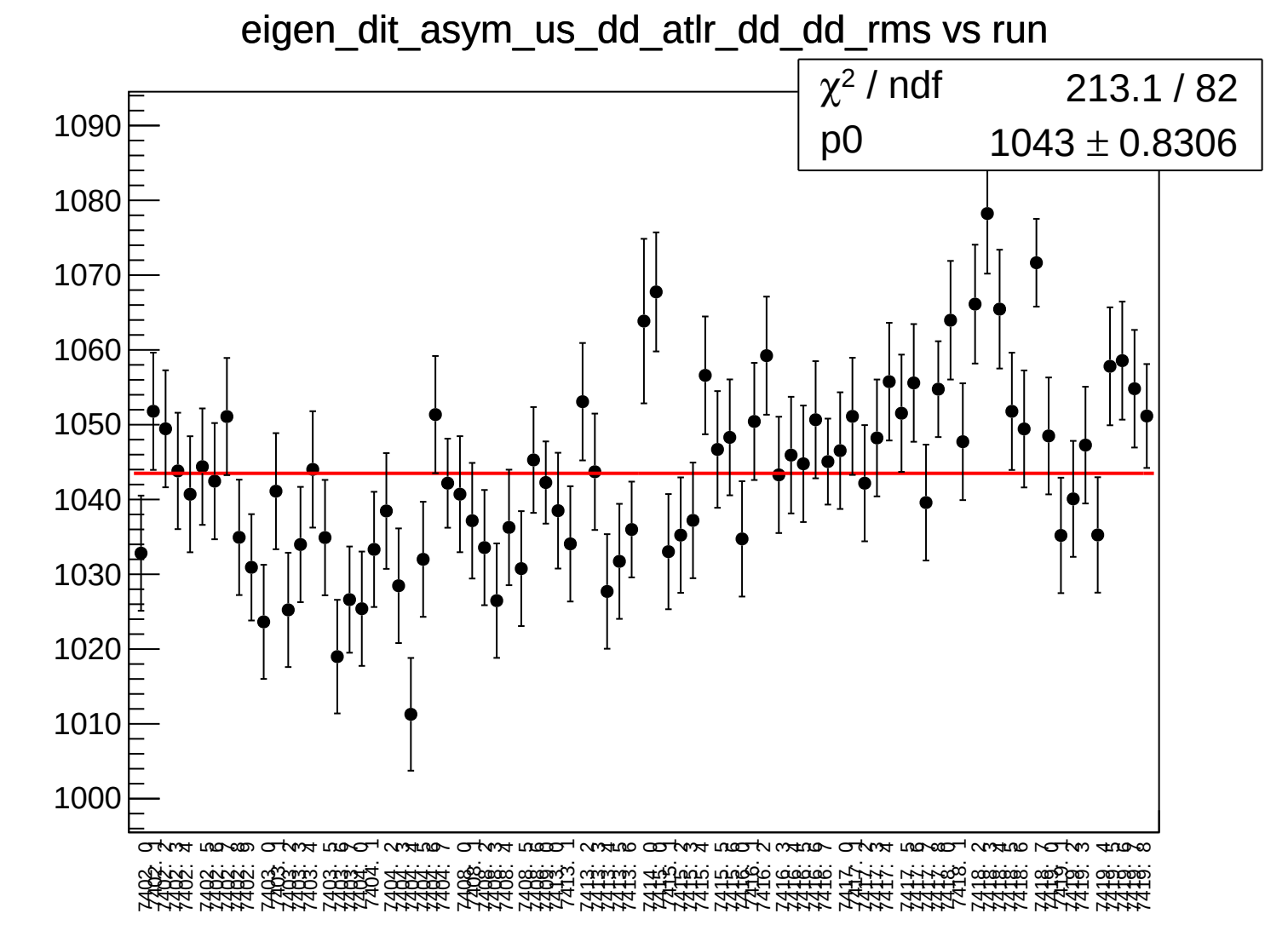

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 78.88 / 82
p0 −199.5 ± 384.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 254.6
Std Dev 0
2
1
0
−1
−2
−3

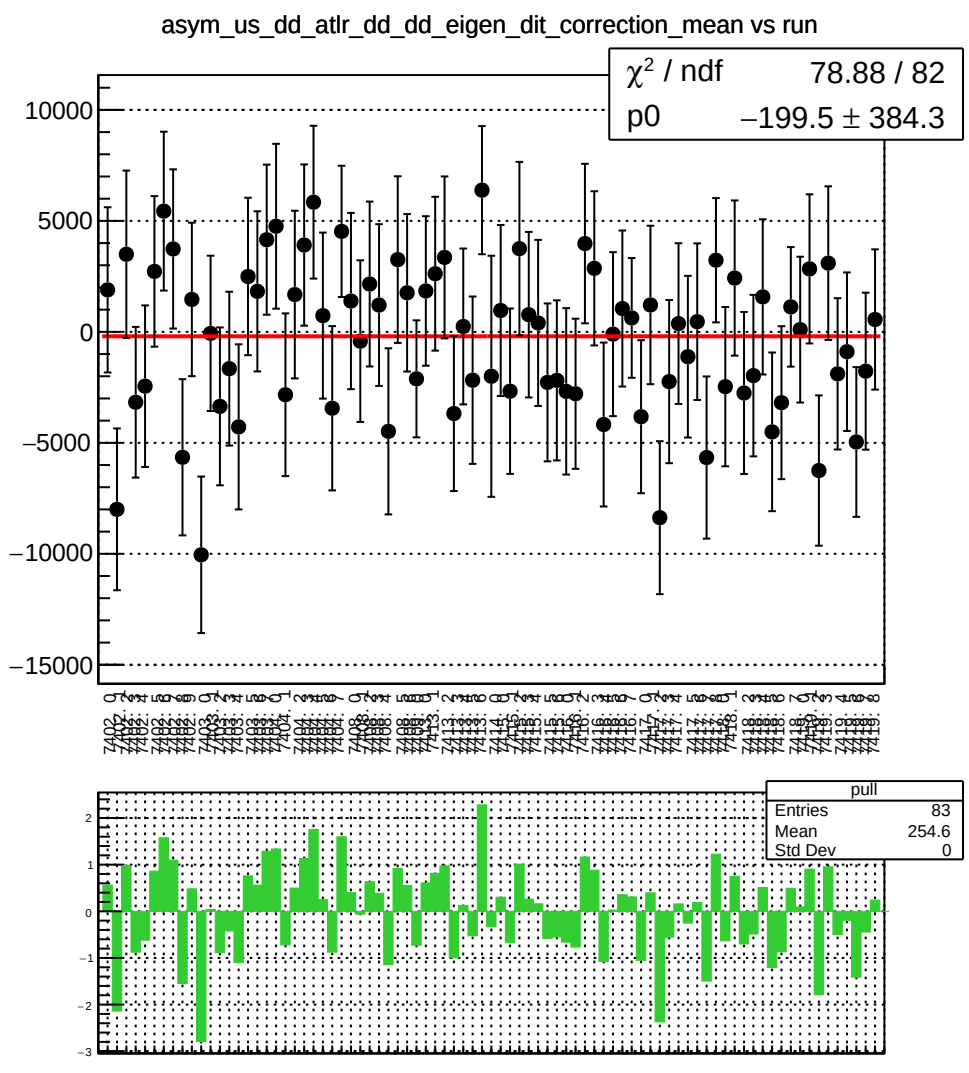

pull1D
Entries 83
Mean −0.01411
Std Dev 0.9747
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

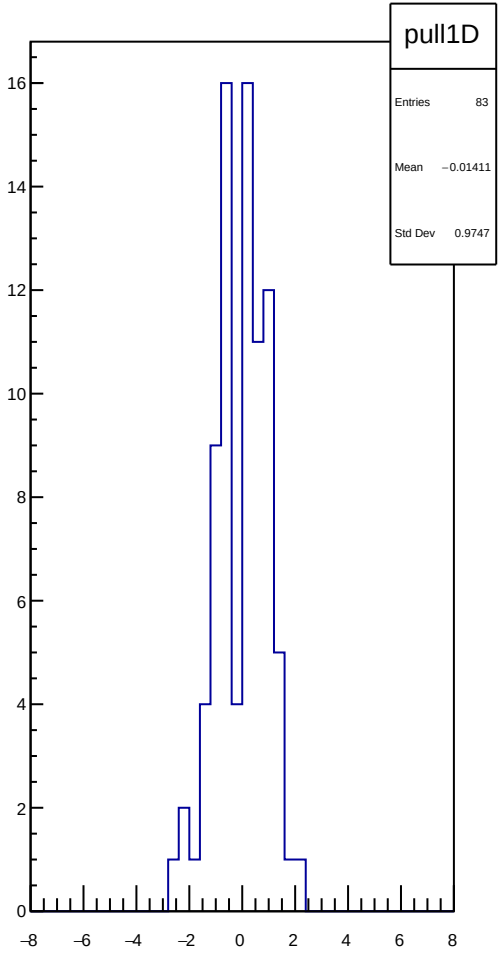

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 2449 / 82
p0 341.2 ± 0.2718
380
370
360
350
340
330
320
310

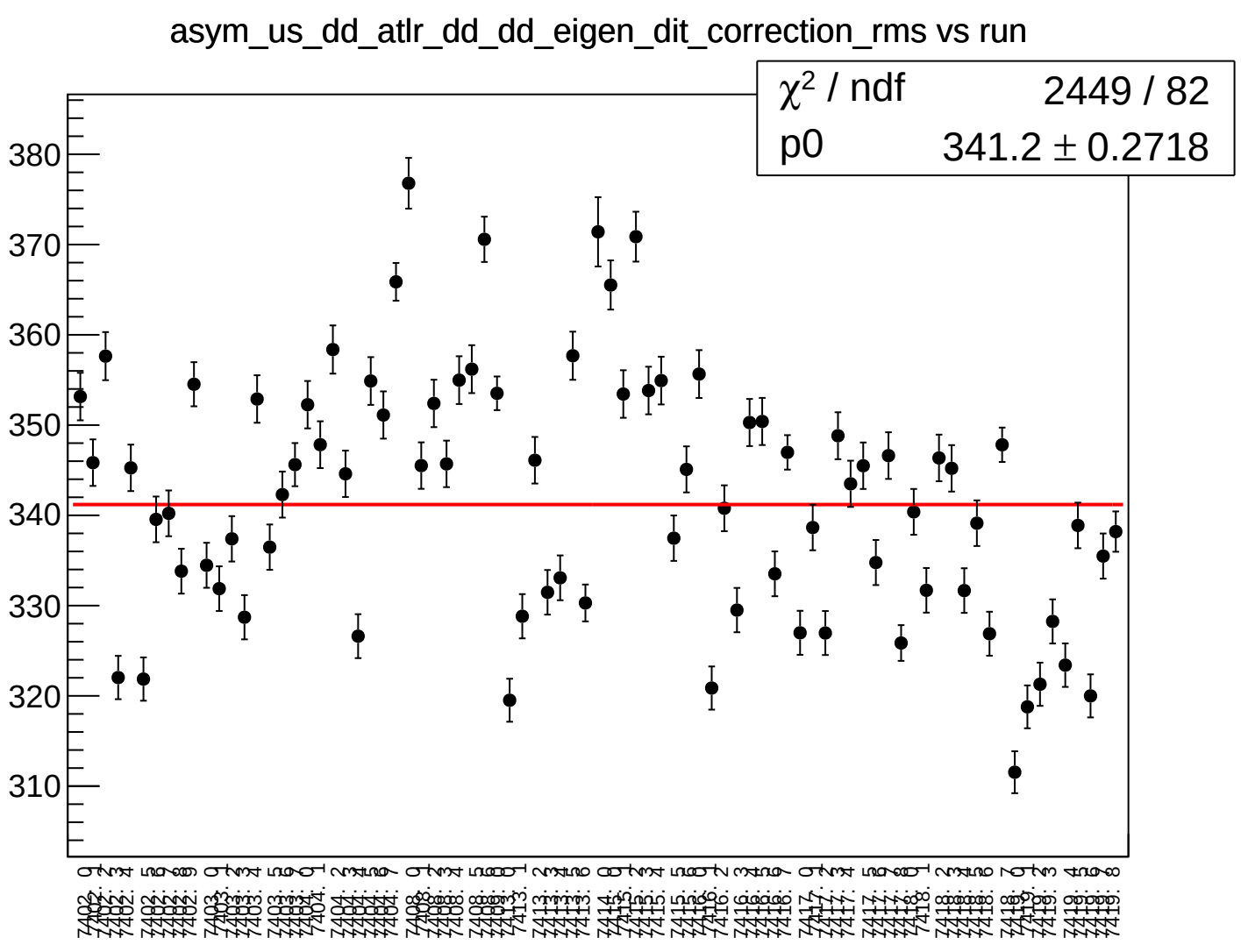

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 81.47 / 82
p0 2355 ± 1175
pull
Entries 83
Mean −492.7
Std Dev 0

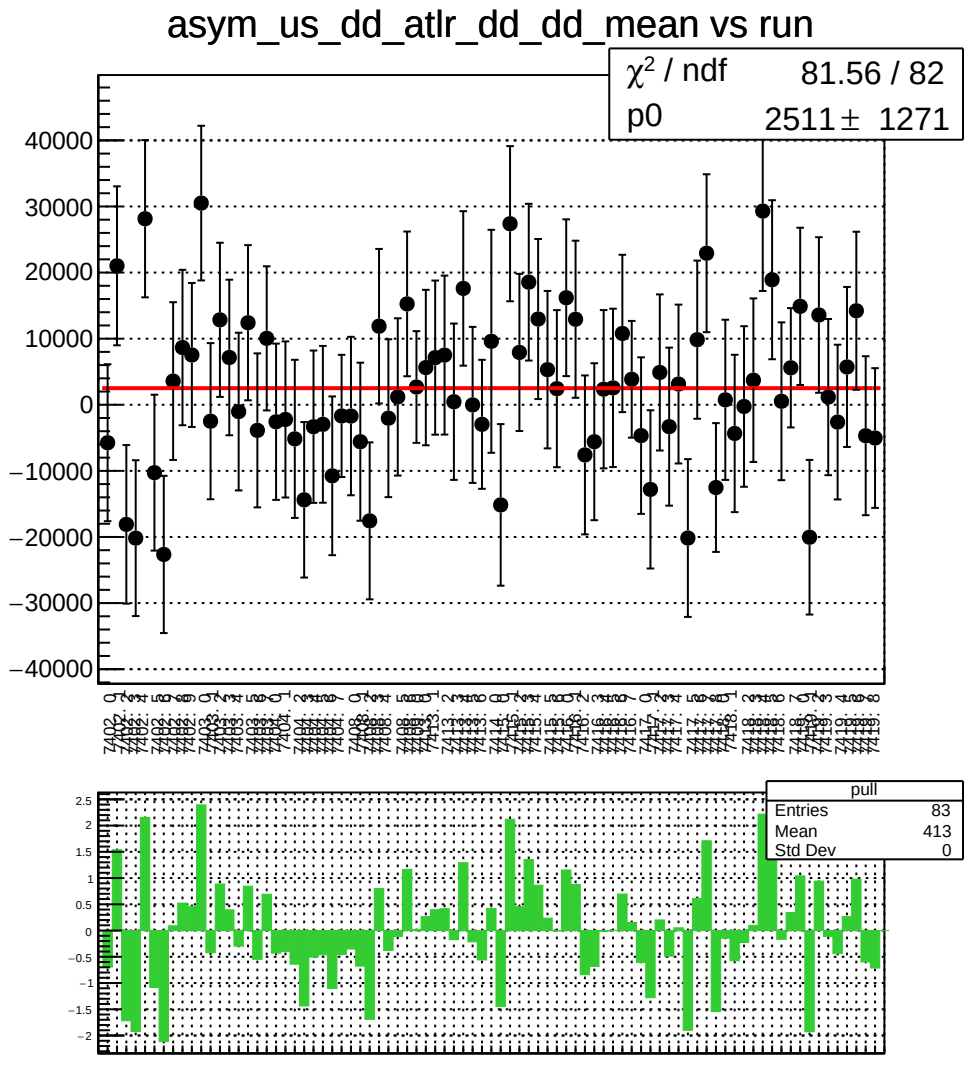

pull1D
Entries 83
Mean −0.001626
Std Dev 0.9908

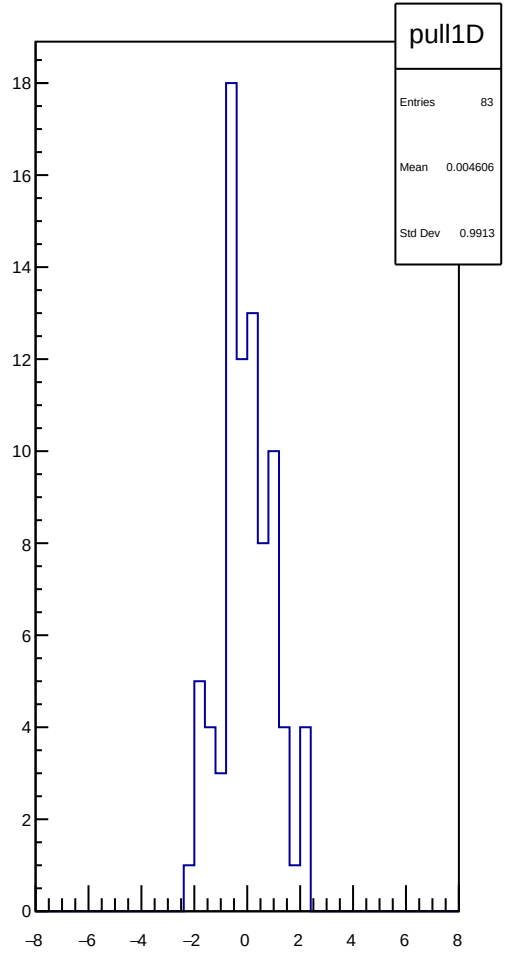

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 213.1 / 82
p0 1043 ± 0.8306
1090
1080
1070
1060
1050
1040
1030
1020
1010
1000

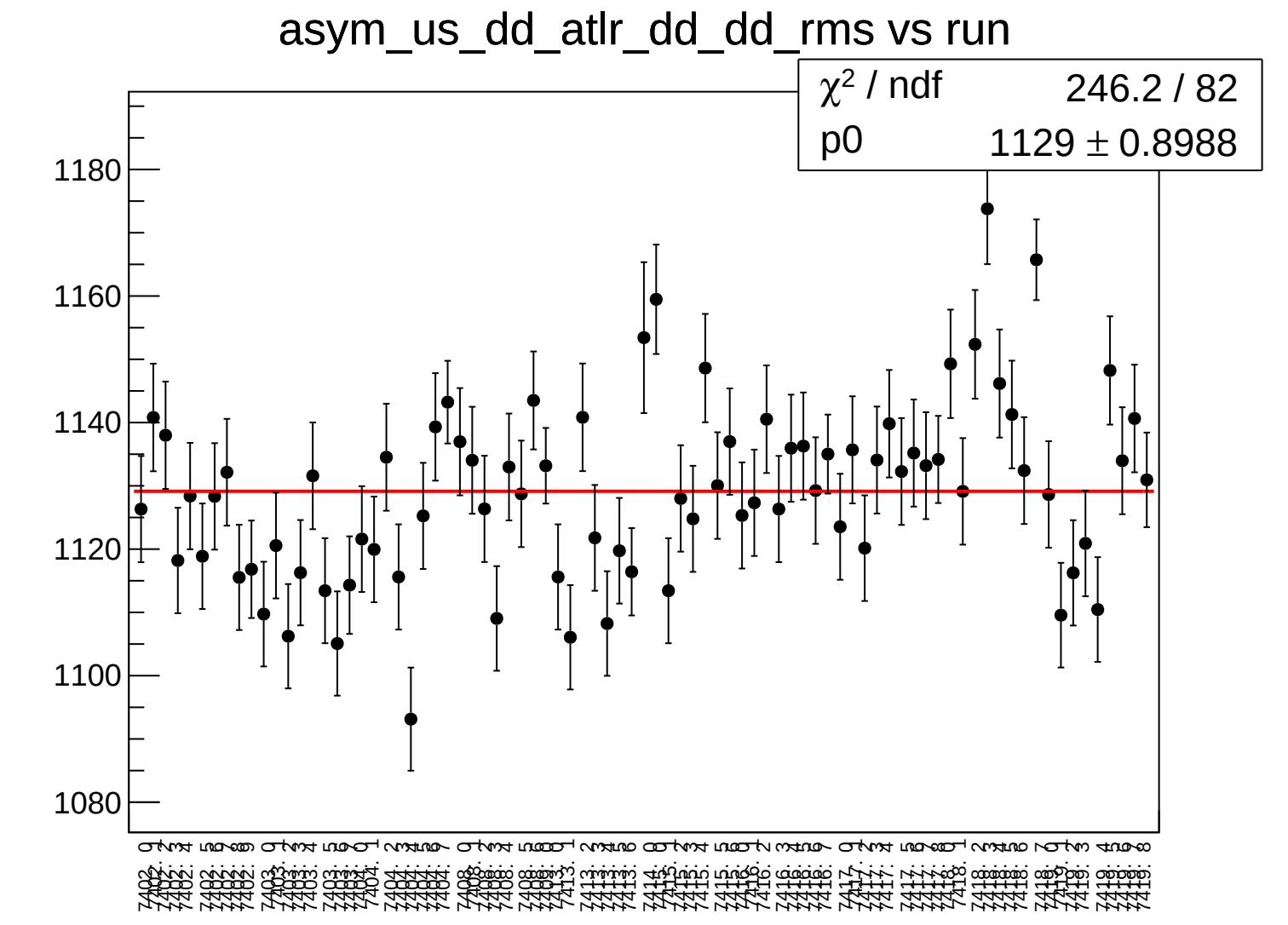

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.88 / 82
p0 −199.5 ± 384.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 254.6
Std Dev 0
2
1
0
−1
−2
−3

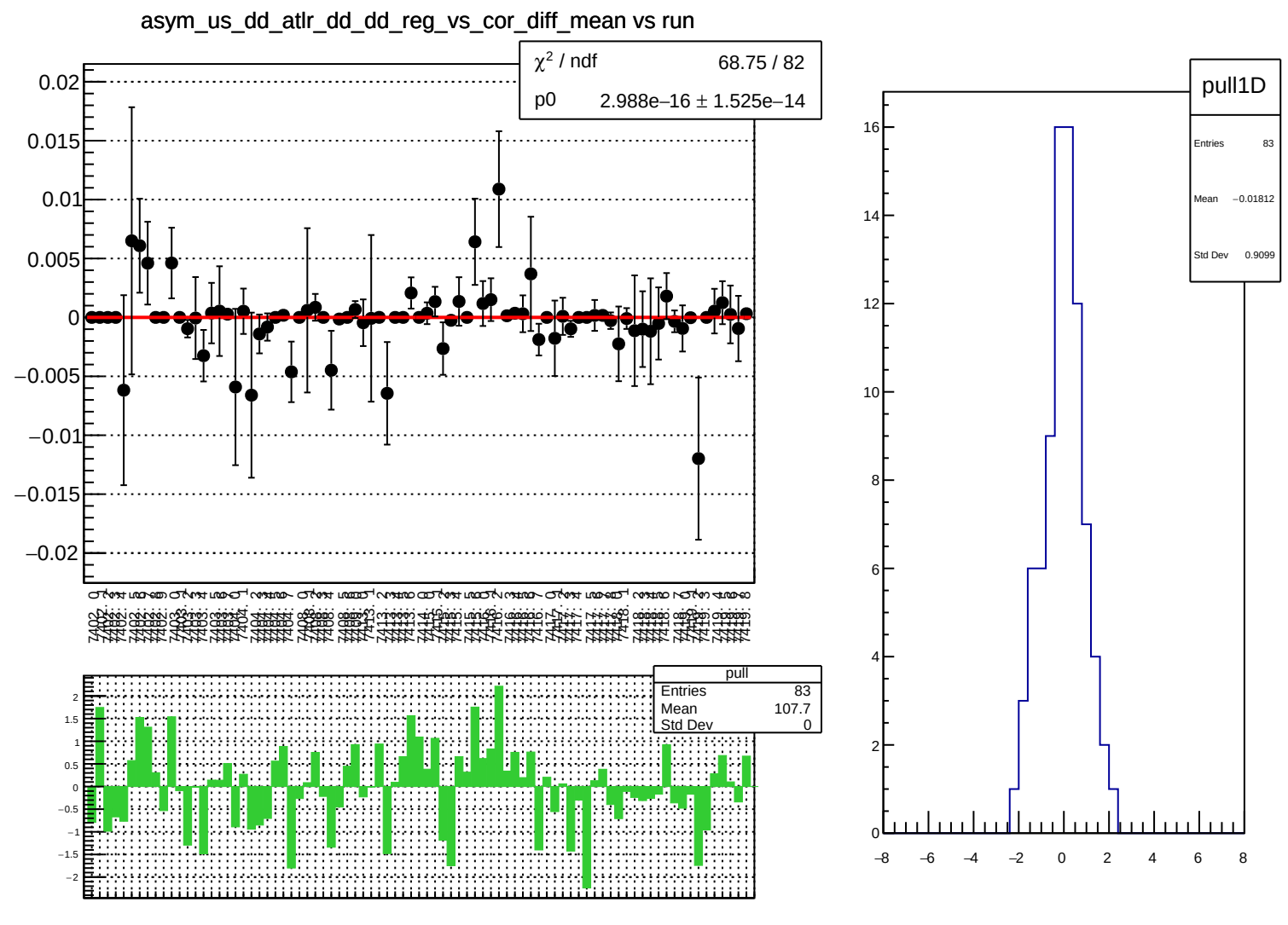

pull1D
Entries 83
Mean −0.01411
Std Dev 0.9747
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

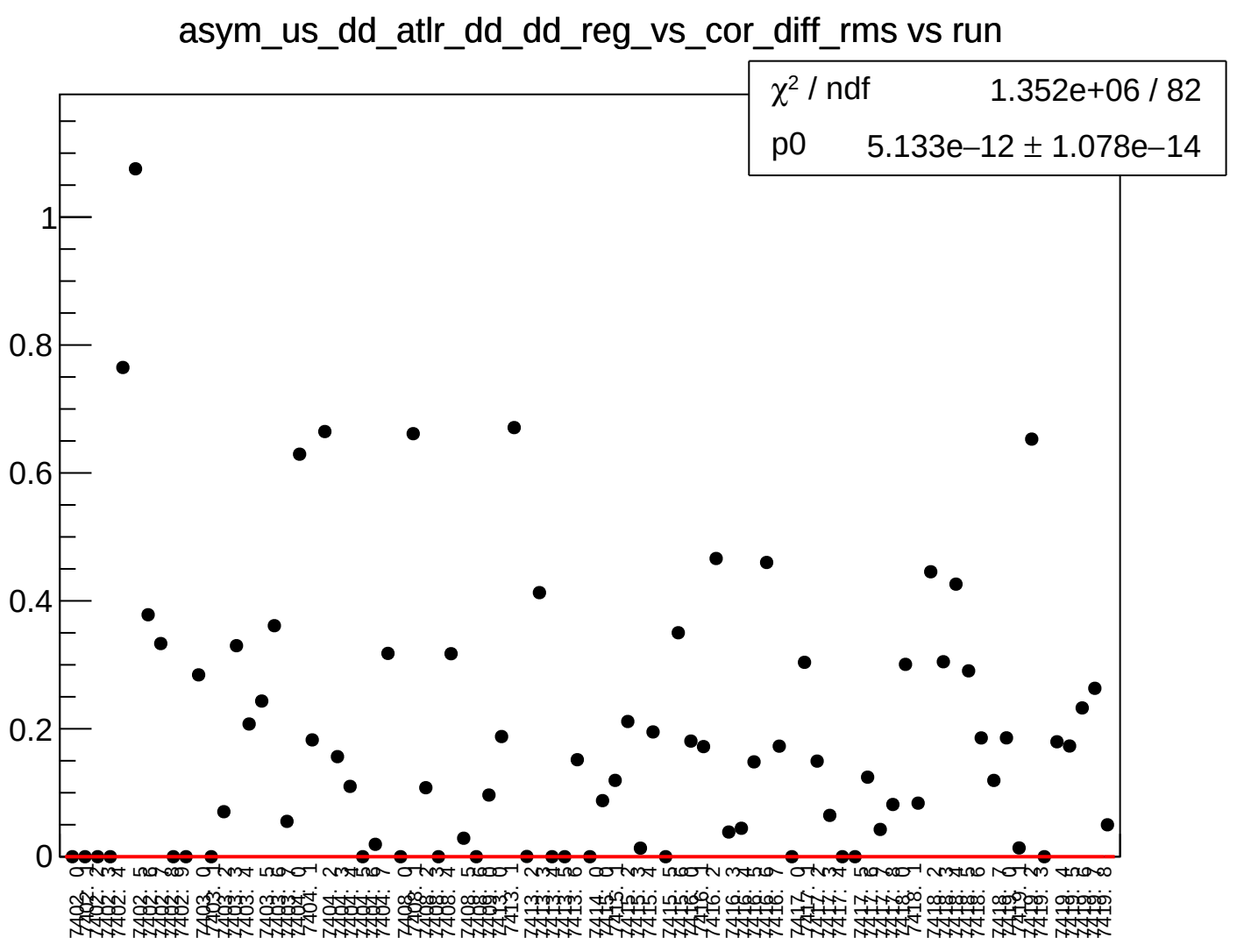

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2449 / 82
p0 341.2 ± 0.2718
380
370
360
350
340
330
320
310

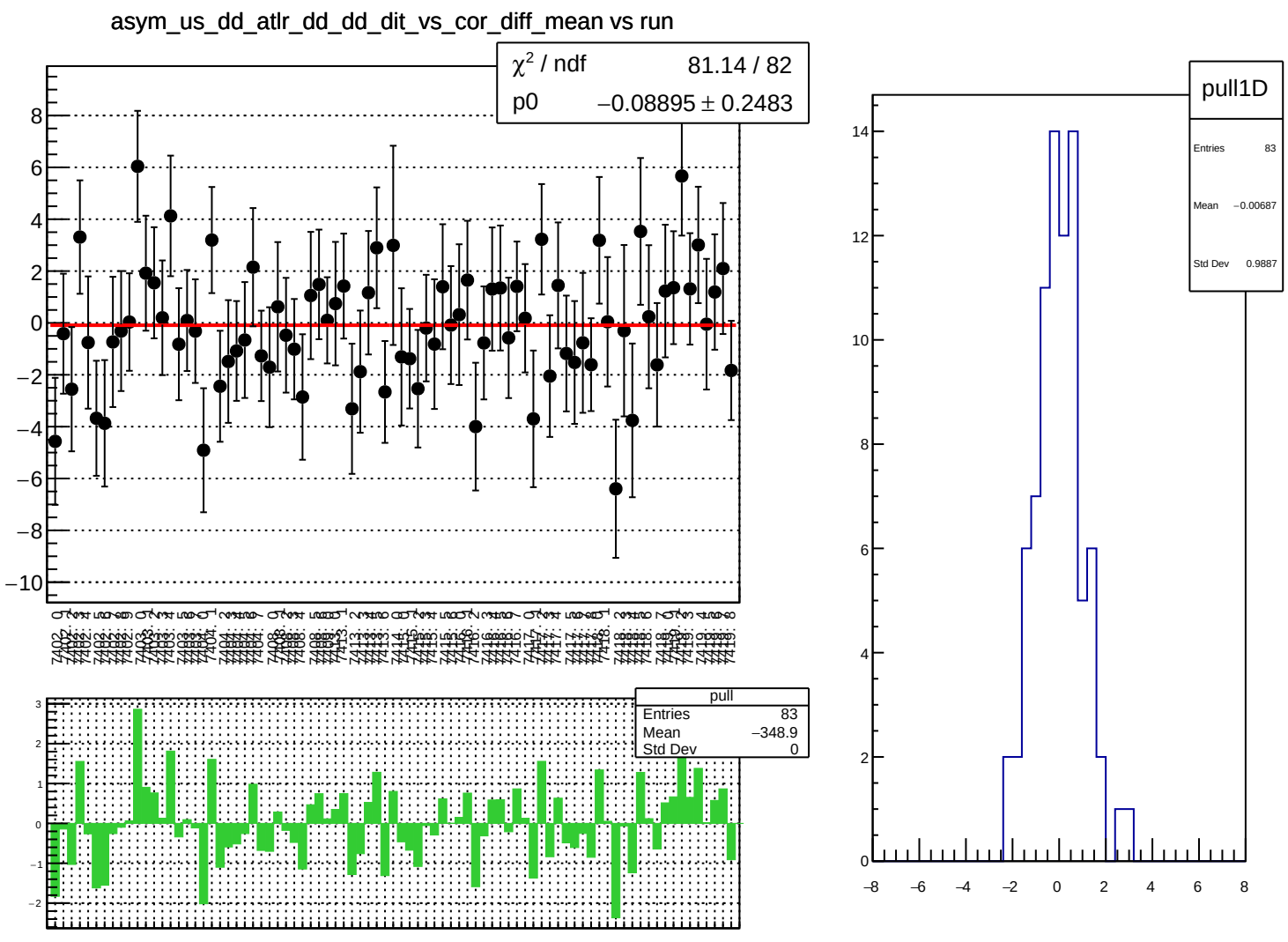

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 81.56 / 82
p0 2511 ± 1271
pull
Entries 83
Mean 413
Std Dev 0

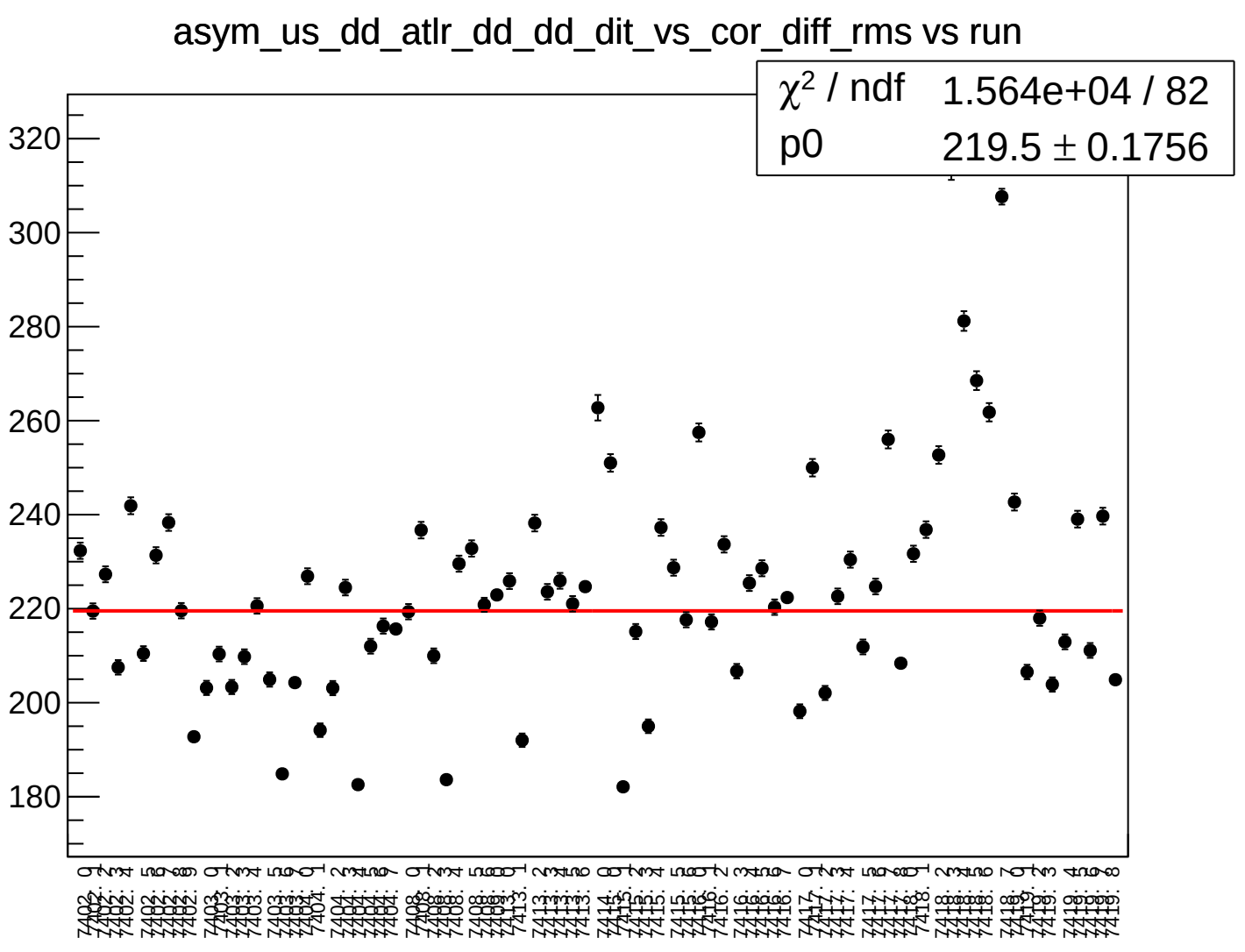

pull1D
Entries 83
Mean 0.004606
Std Dev 0.9913

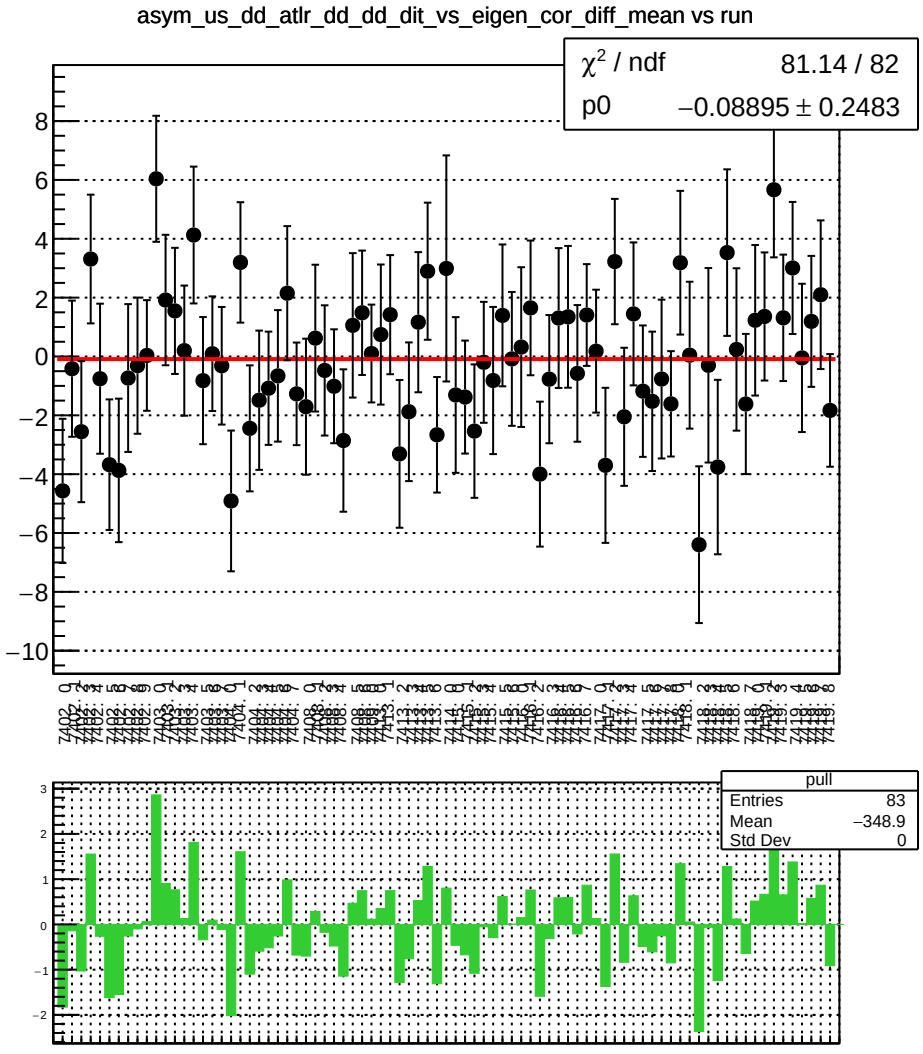

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 246.2 / 82
p0 1129 ± 0.8988
1180
1160
1140
1120
1100
1080

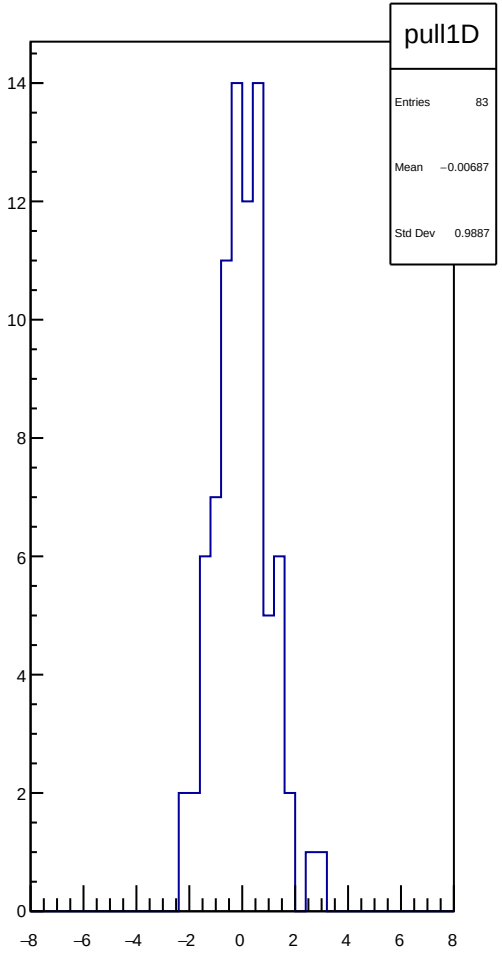

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 68.75 / 82
p0 2.988e−16 ± 1.525e−14
pull
Entries 83
Mean 107.7
Std Dev 0
pull1D
Entries 83
Mean −0.01812
Std Dev 0.9099

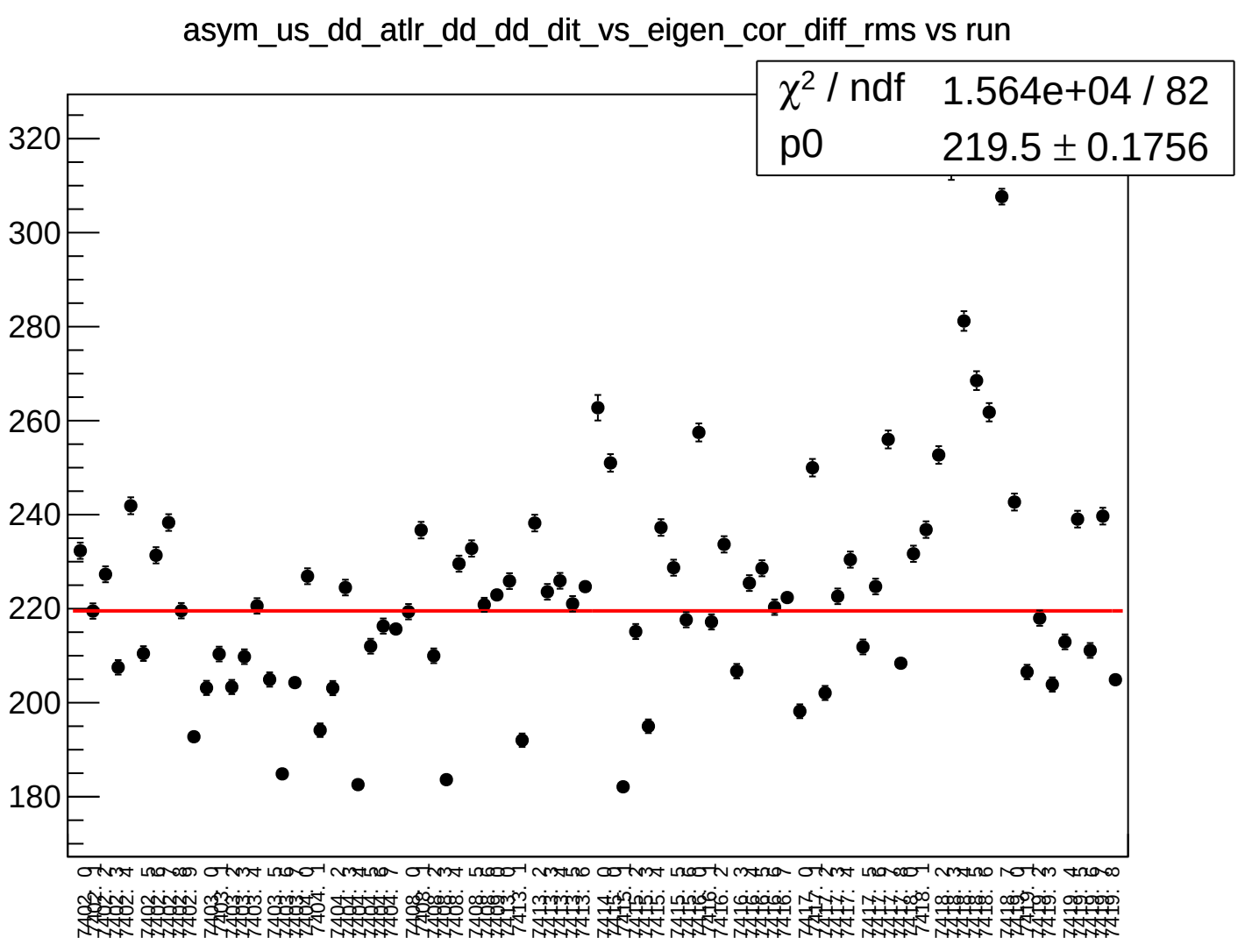

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.352e+06 / 82
p0 5.133e−12 ± 1.078e−14
1
0.8
0.6
0.4
0.2
0

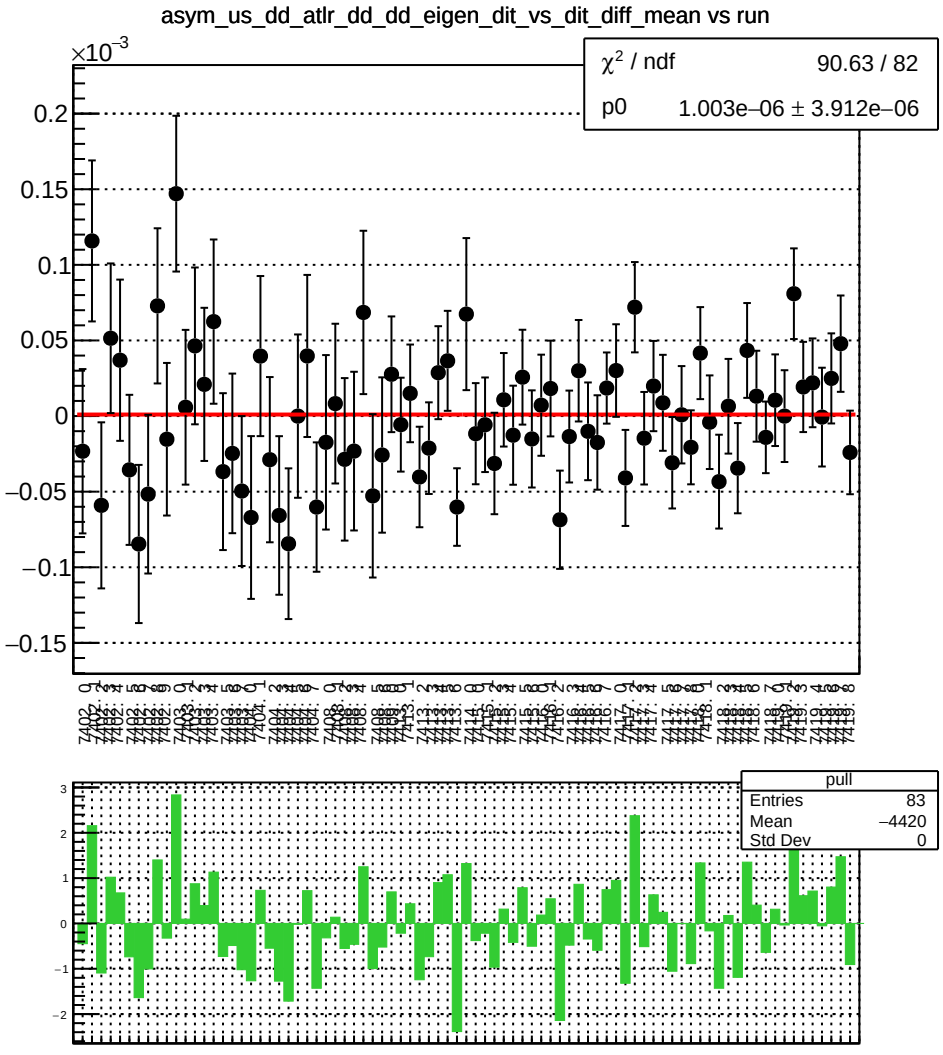

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.14 / 82
p0 −0.08895 ± 0.2483
pull
Entries 83
Mean −348.9
Std Dev 0
pull1D
Entries 83
Mean −0.00687
Std Dev 0.9887

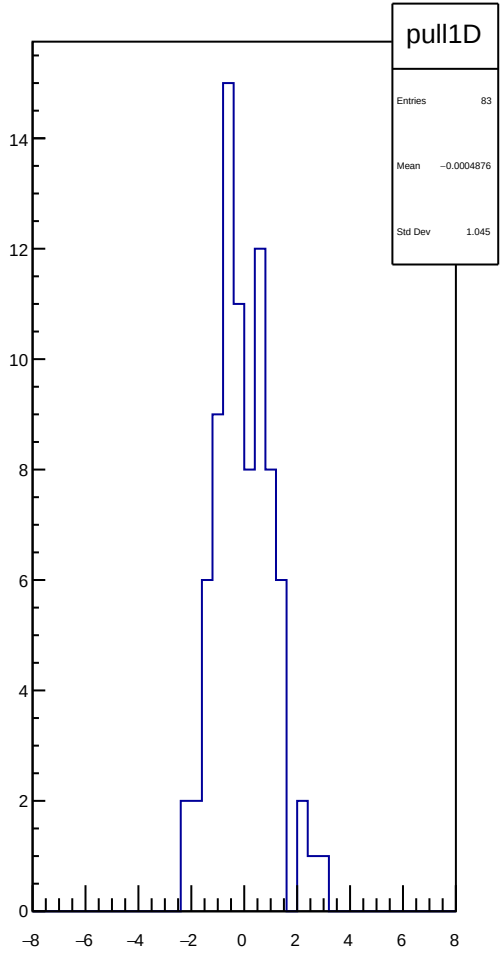

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.564e+04 / 82
p0 219.5 ± 0.1756
320
300
280
260
240
220
200
180

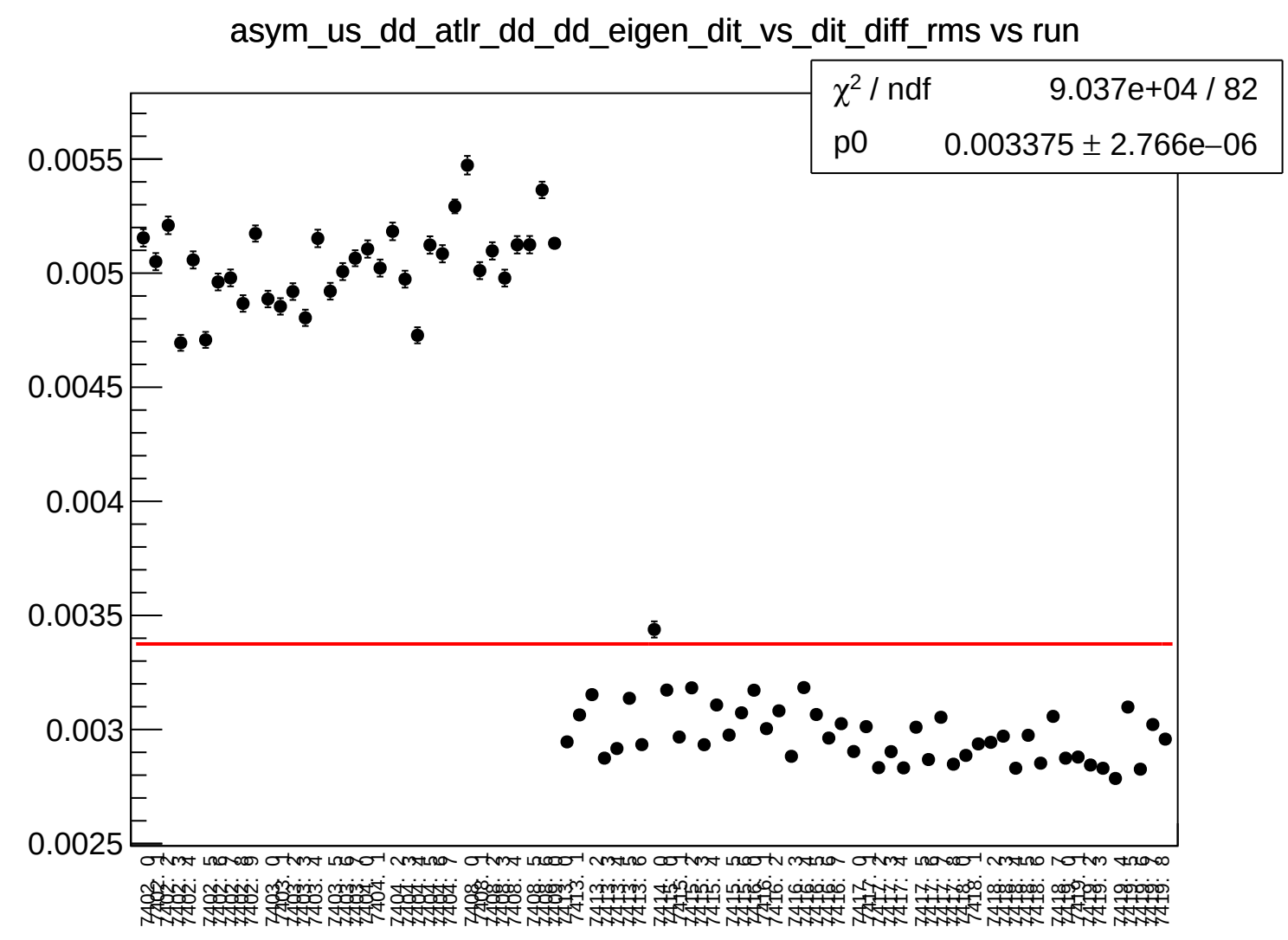

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.14 / 82
p0 −0.08895 ± 0.2483
pull
Entries 83
Mean −348.9
Std Dev 0

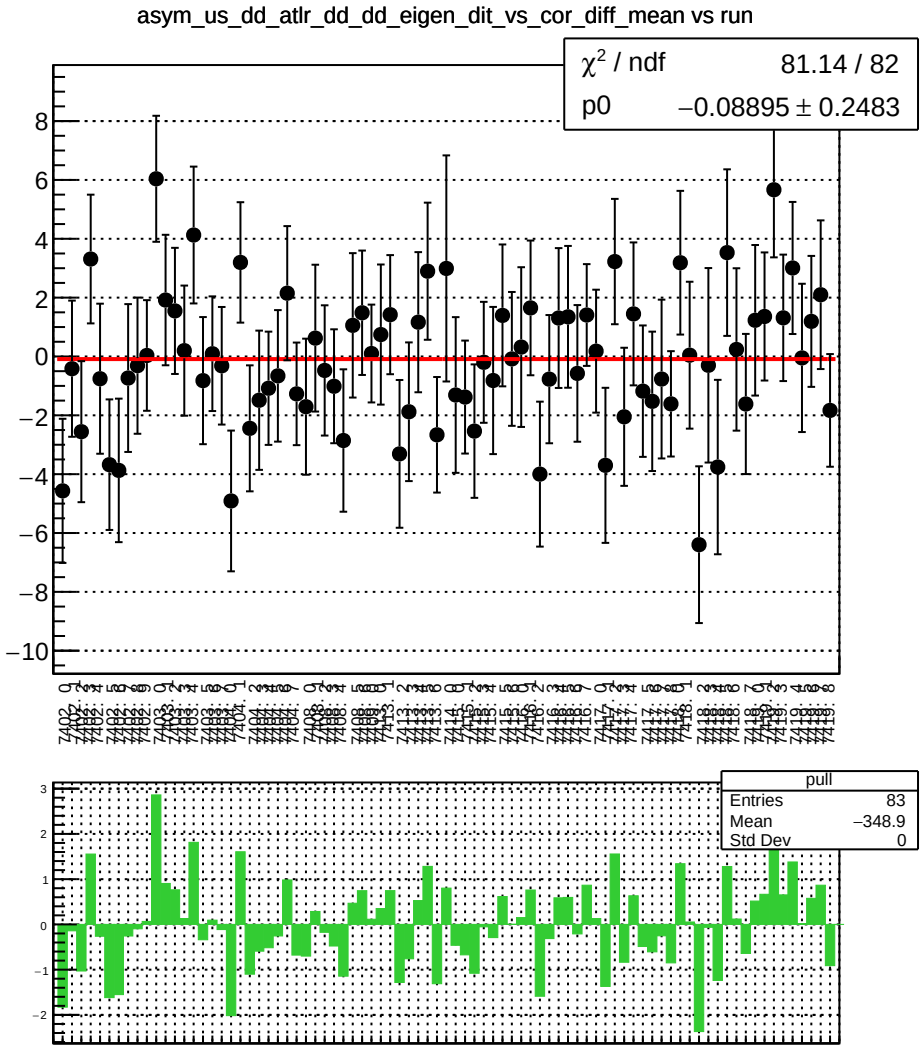

pull1D
Entries 83
Mean −0.00687
Std Dev 0.9887

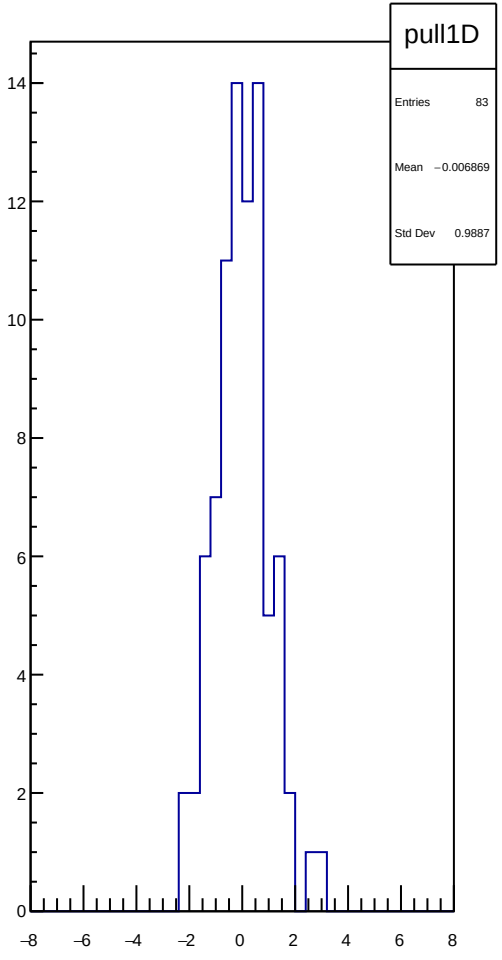

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.564e+04 / 82
p0 219.5 ± 0.1756
320
300
280
260
240
220
200
180

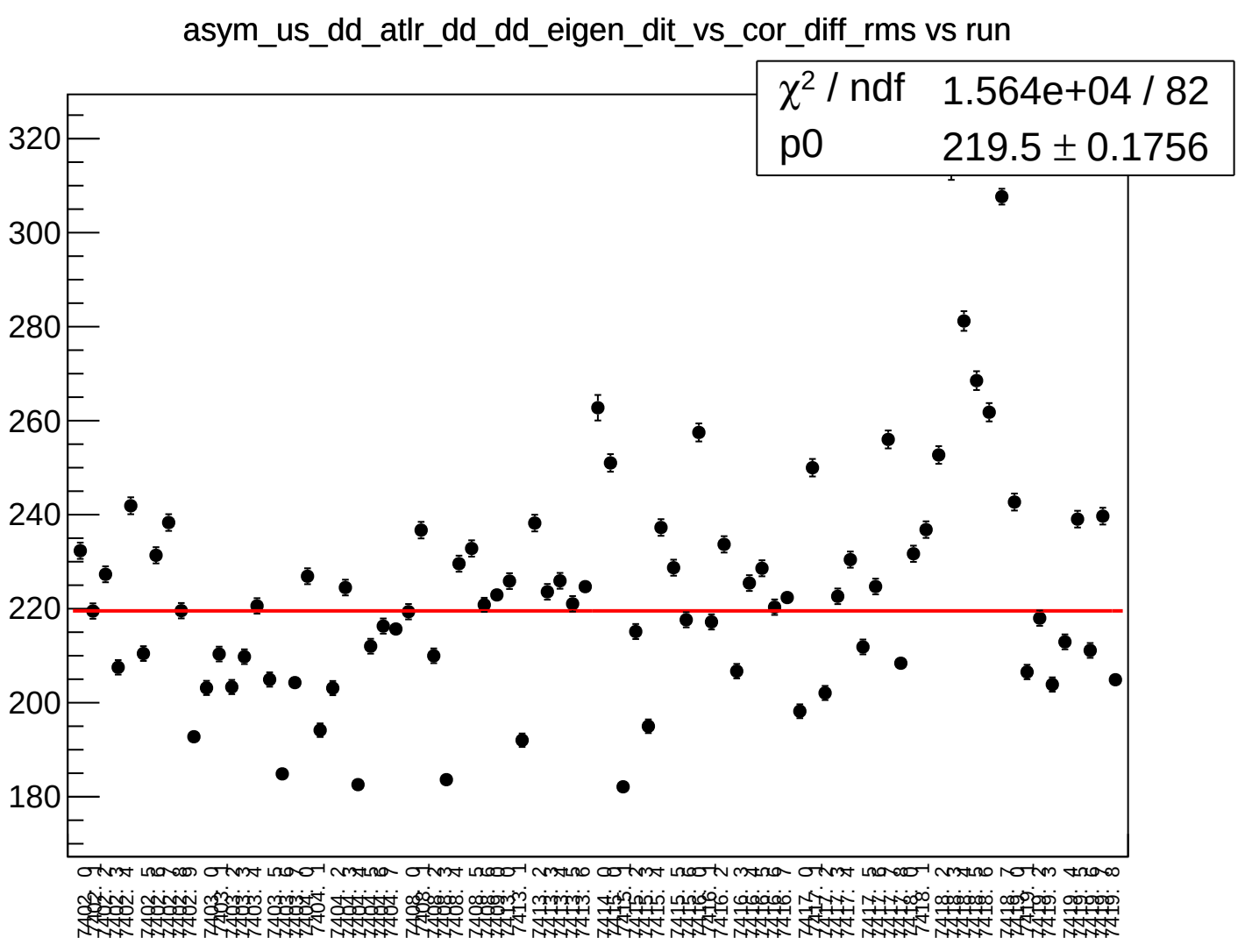

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.63 / 82
p0 1.003e−06 ± 3.912e−06
pull
Entries 83
Mean −4420
Std Dev 0

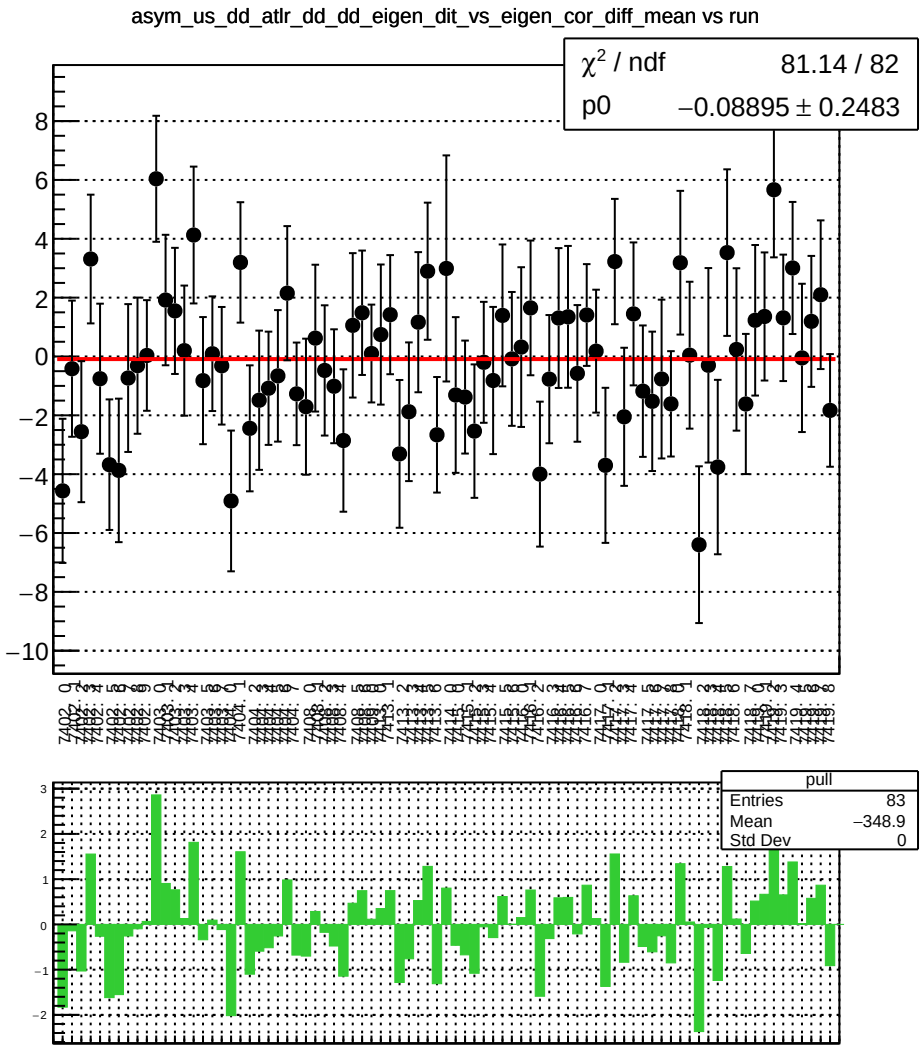

pull1D
Entries 83
Mean −0.0004876
Std Dev 1.045

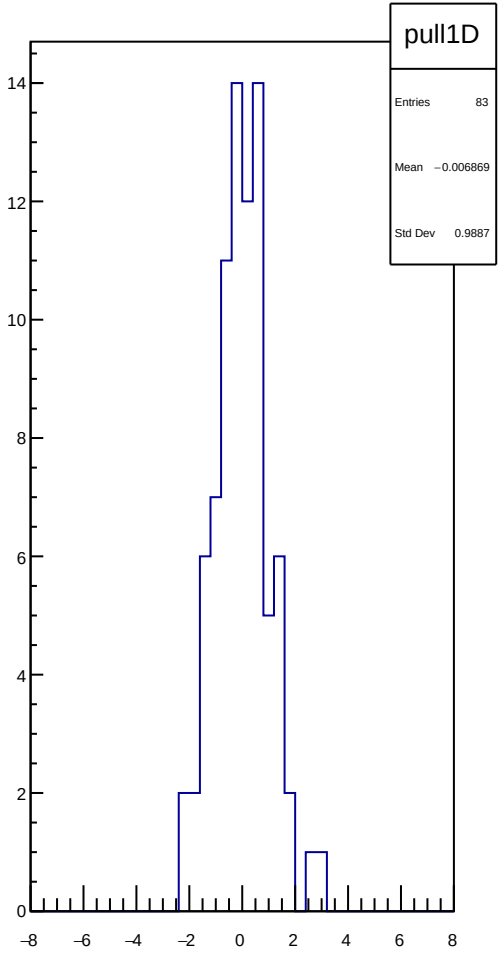

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.037e+04 / 82
p0 0.003375 ± 2.766e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

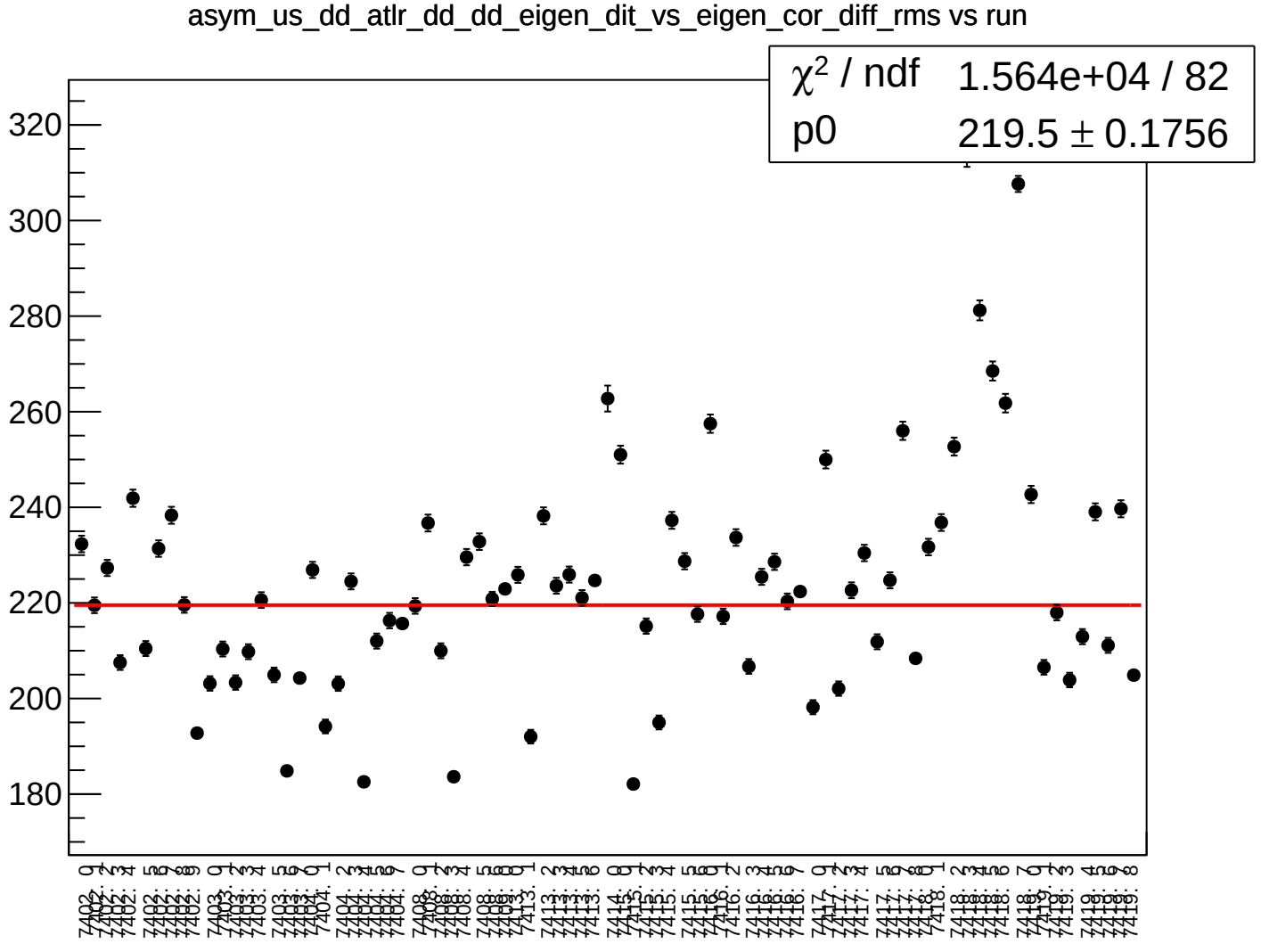

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.14 / 82
p0 −0.08895 ± 0.2483
pull
Entries 83
Mean −348.9
Std Dev 0

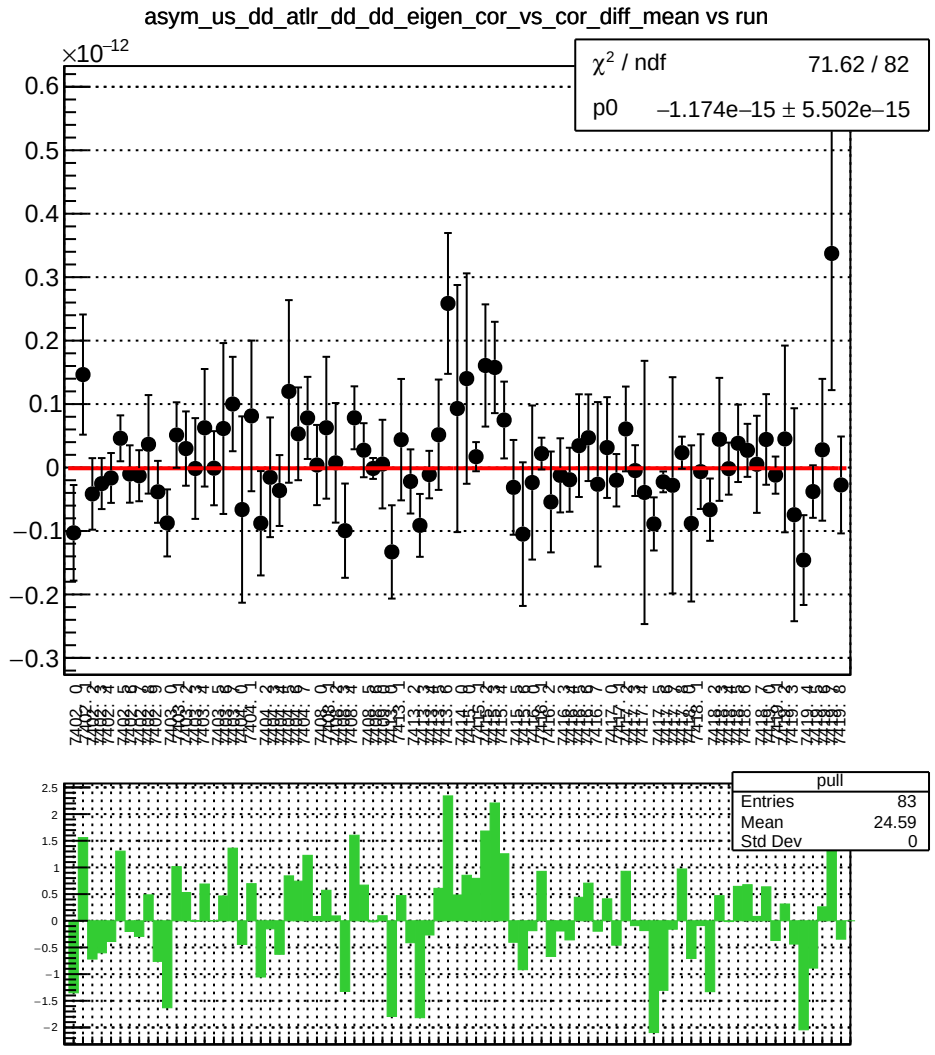

pull1D
Entries 83
Mean −0.006869
Std Dev 0.9887

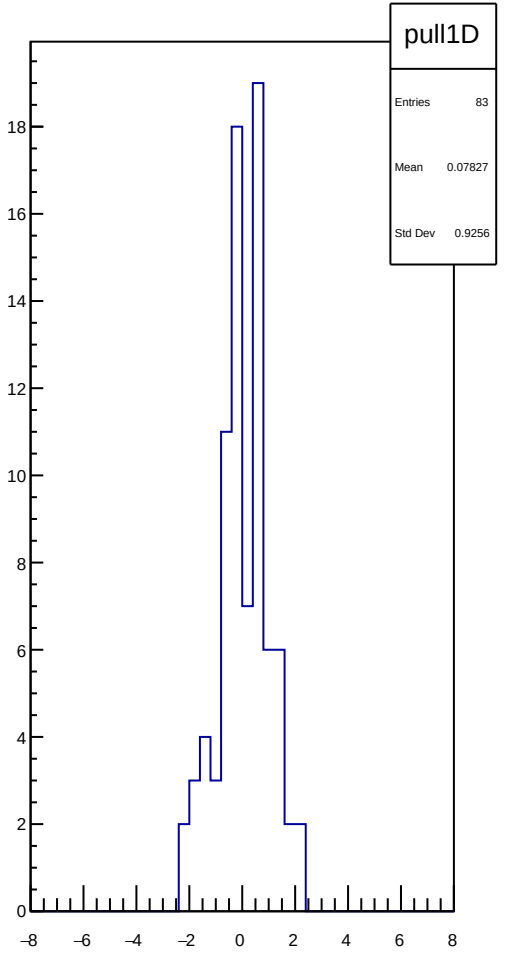

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.564e+04 / 82
p0 219.5 ± 0.1756
320
300
280
260
240
220
200
180

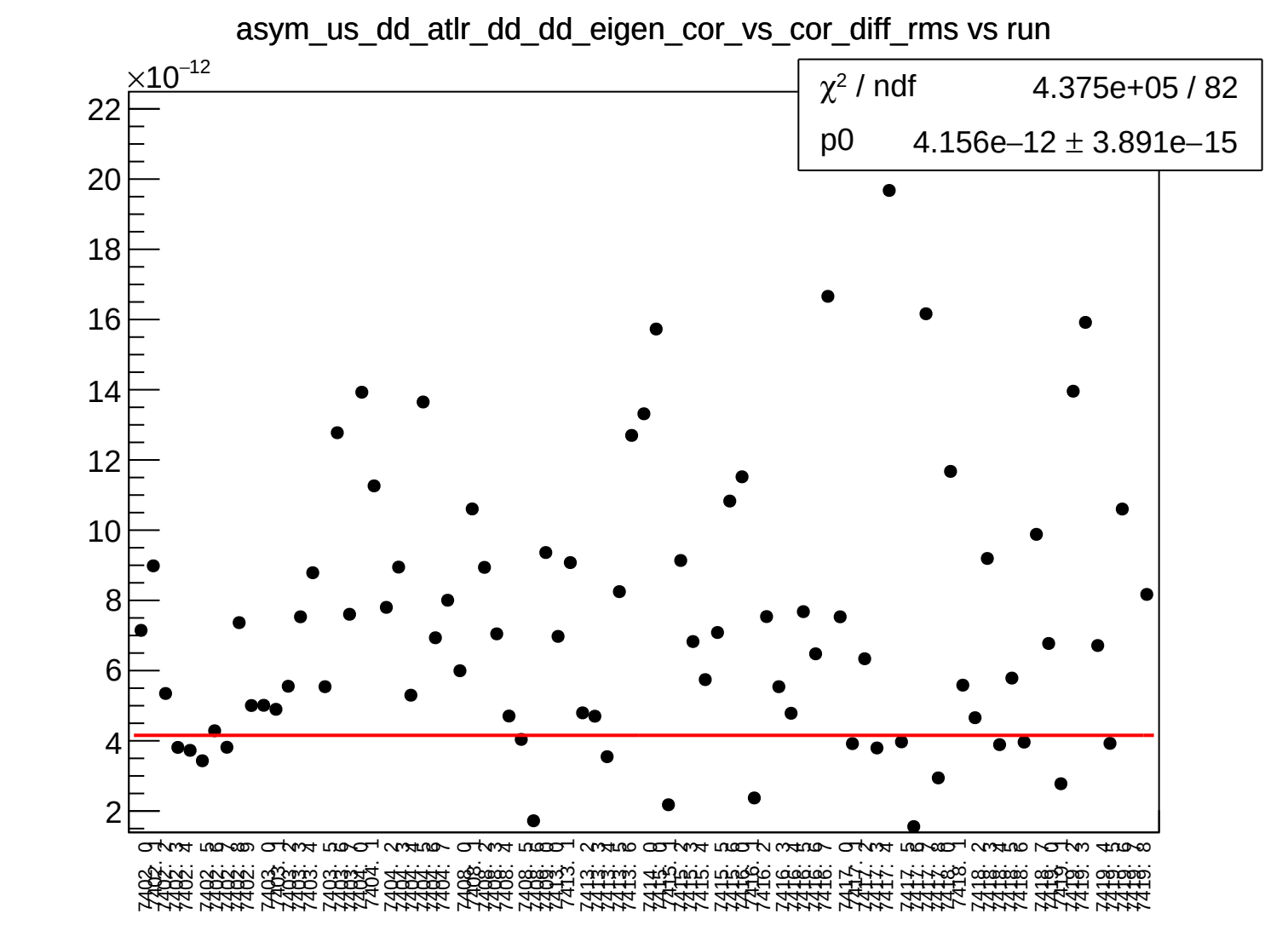

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.14 / 82
p0 −0.08895 ± 0.2483
pull
Entries 83
Mean −348.9
Std Dev 0

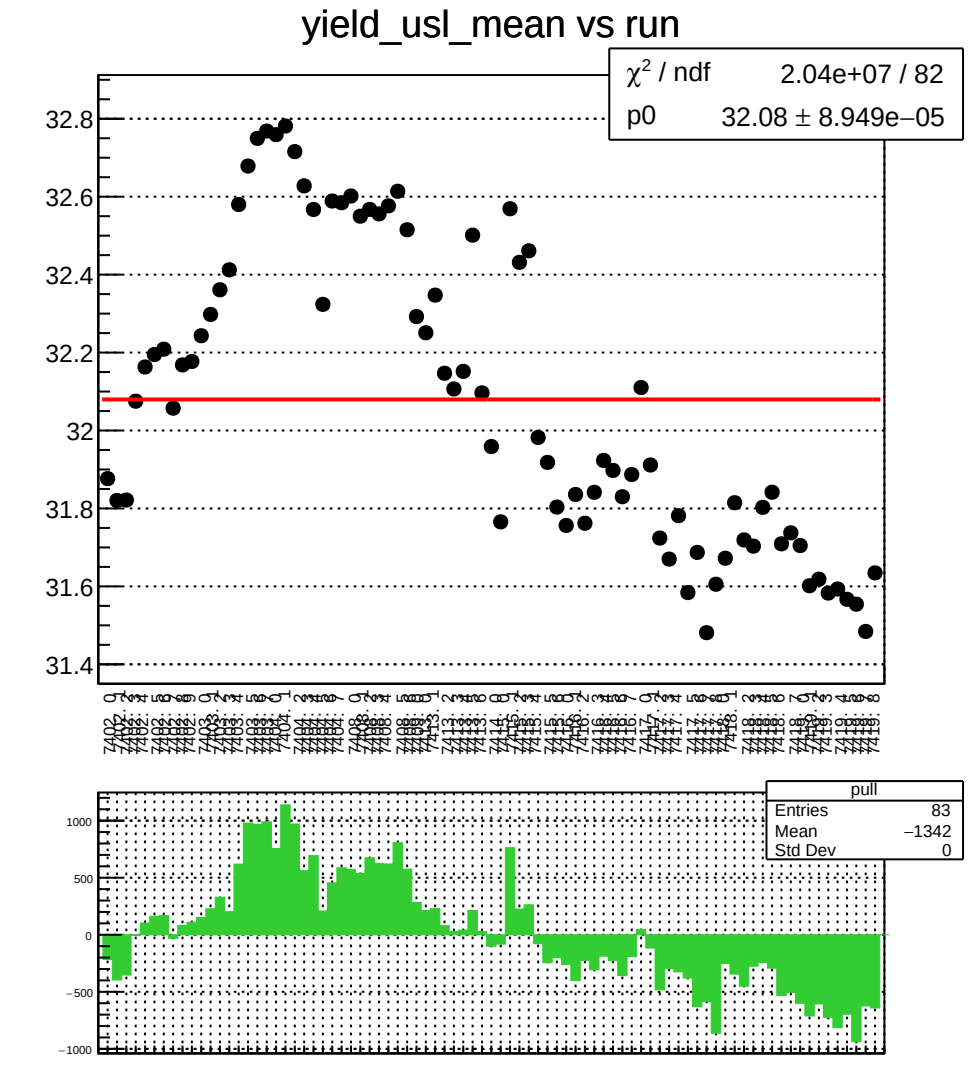

pull1D
Entries 83
Mean −0.006869
Std Dev 0.9887

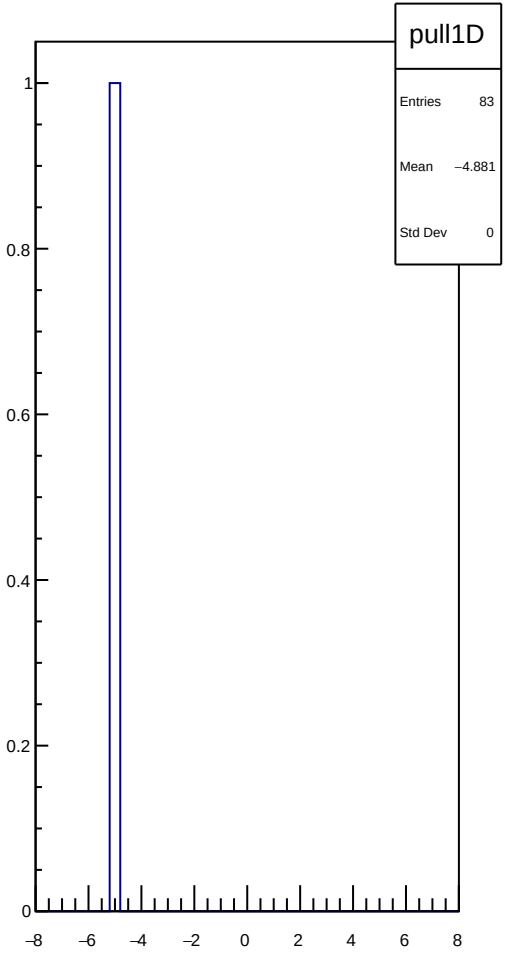

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.564e+04 / 82
p0 219.5 ± 0.1756
320
300
280
260
240
220
200
180

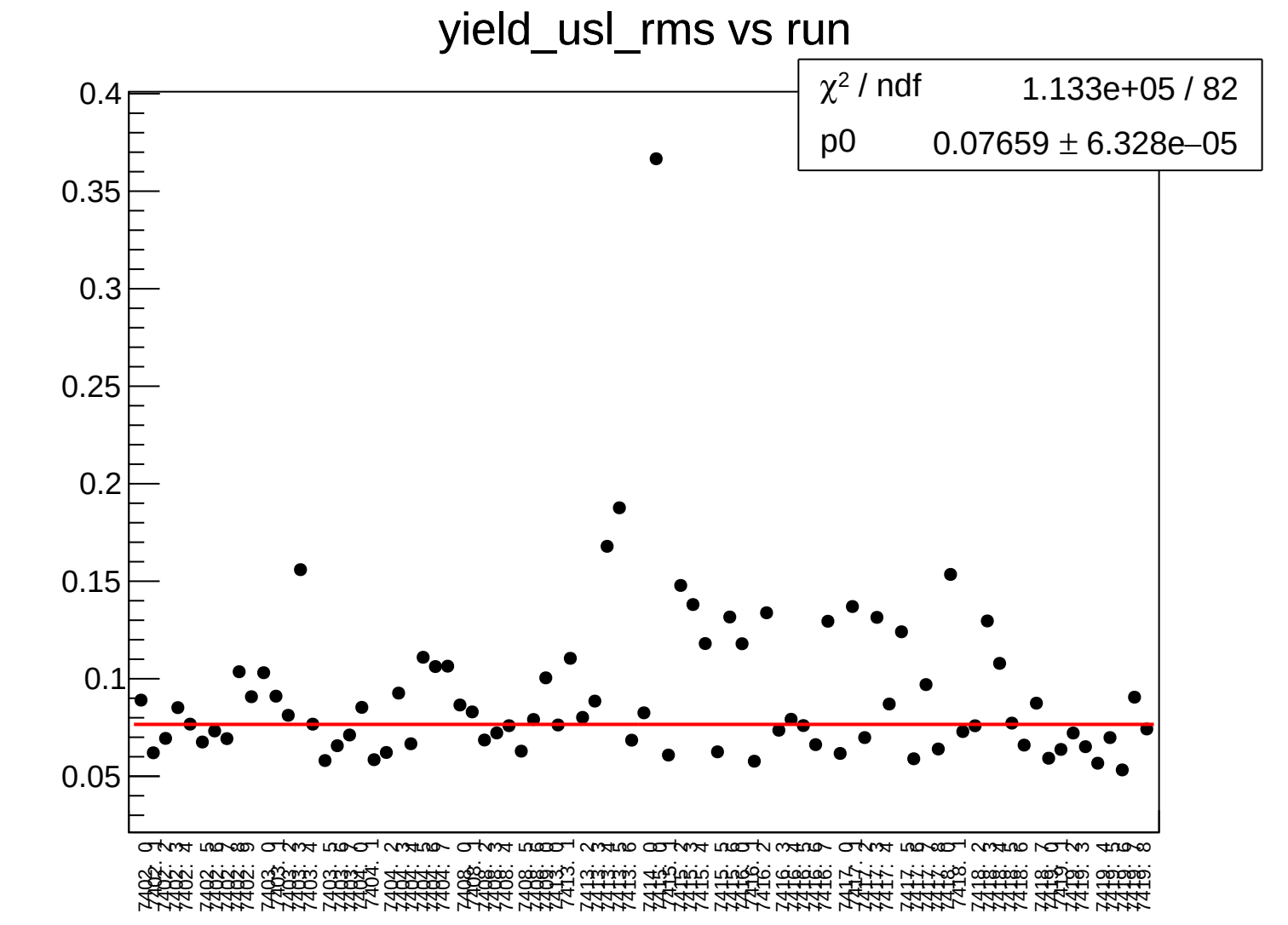

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.62 / 82
p0 −1.174e−15 ± 5.502e−15
pull
Entries 83
Mean 24.59
Std Dev 0

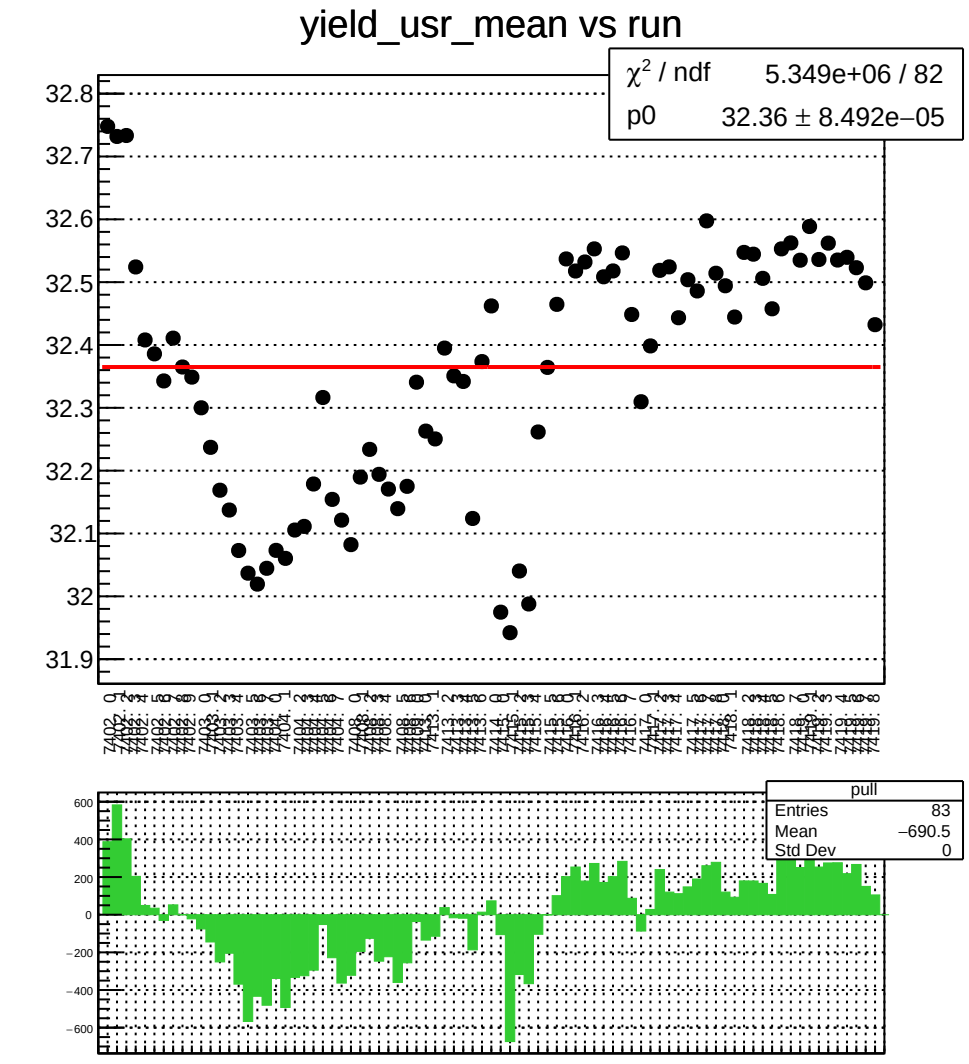

pull1D
Entries 83
Mean 0.07827
Std Dev 0.9256

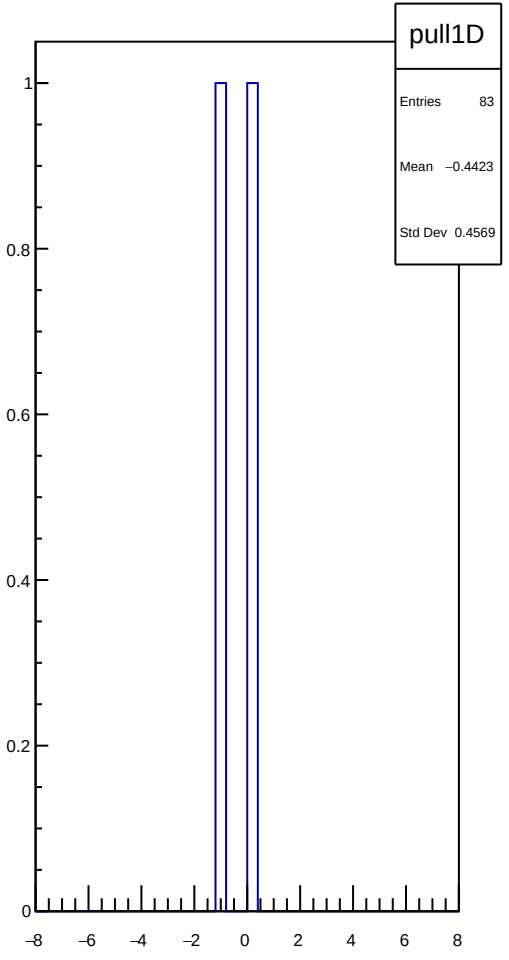

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.375e+05 / 82
p0 4.156e−12 ± 3.891e−15
22
20
18
16
14
12
10
8
6
4
2

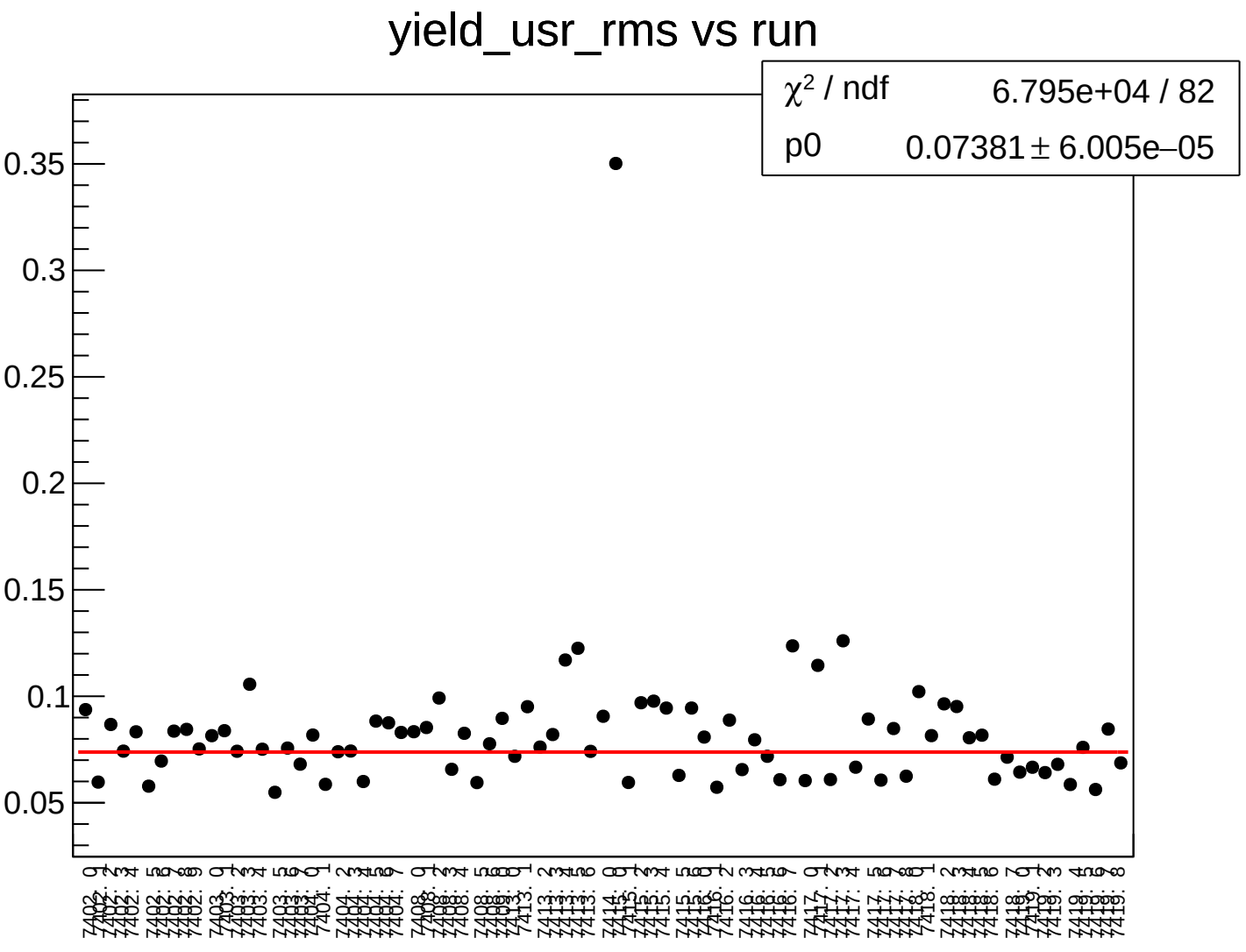

yield_usl_mean vs run
χ² / ndf 2.04e+07 / 82
p0 32.08 ± 8.949e−05
32.8
32.6
32.4
32.2
32
31.8
31.6
31.4
pull
Entries 83
Mean −1342
Std Dev 0
1000
500
0
−500
−1000

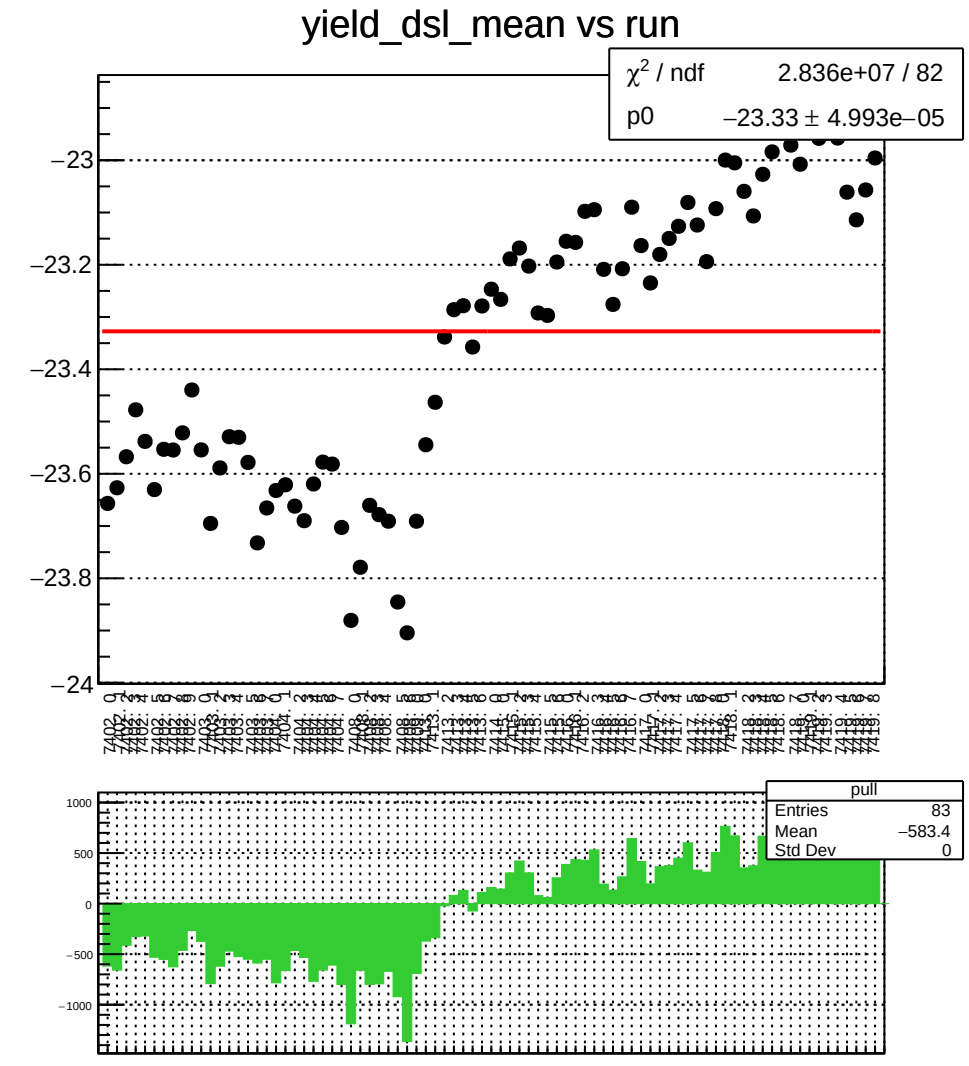

pull1D
Entries 83
Mean −4.881
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

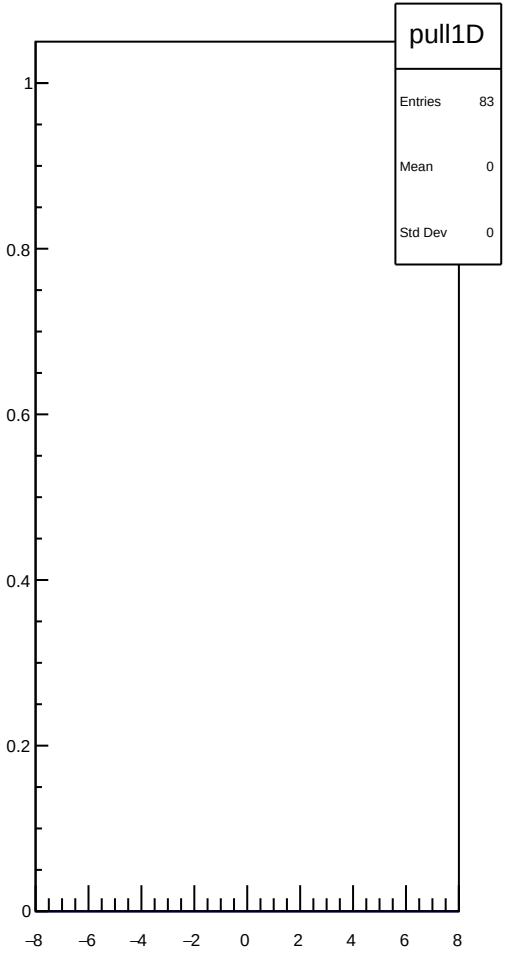

yield_usl_rms vs run
χ² / ndf 1.133e+05 / 82
p0 0.07659 ± 6.328e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

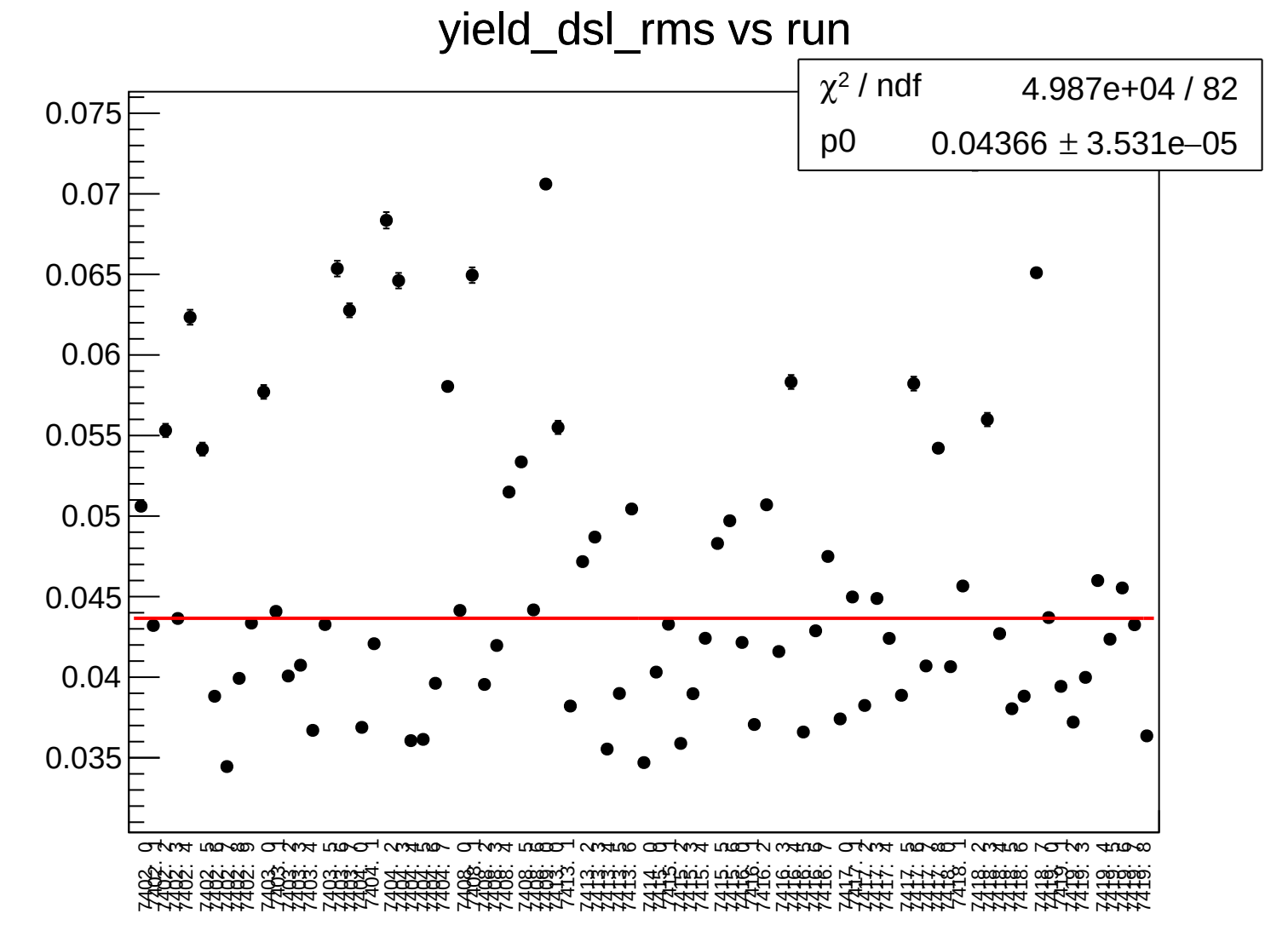

yield_usr_mean vs run
χ² / ndf 5.349e+06 / 82
p0 32.36 ± 8.492e−05
32.8
32.7
32.6
32.5
32.4
32.3
32.2
32.1
32
31.9
pull
Entries 83
Mean −690.5
Std Dev 0
600
400
200
0
−200
−400
−600

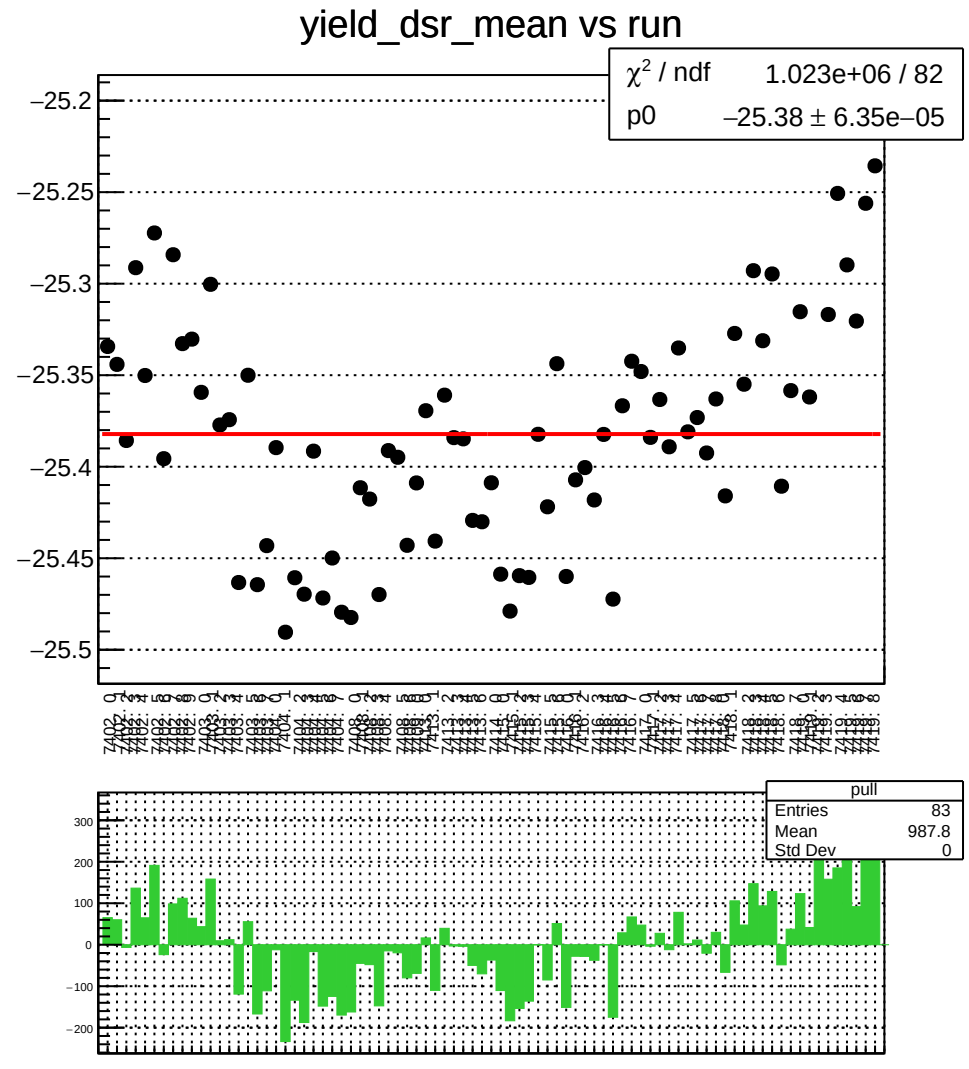

pull1D
Entries 83
Mean −0.4423
Std Dev 0.4569
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

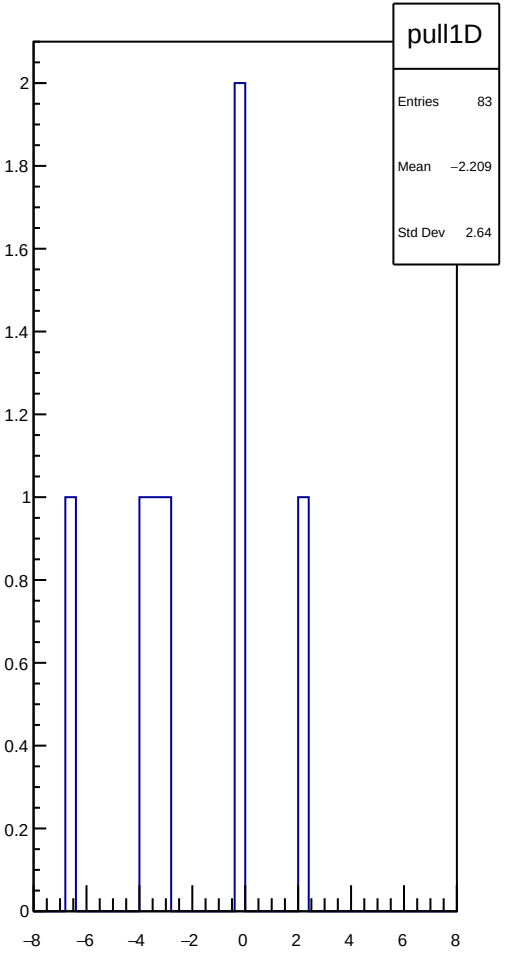

yield_usr_rms vs run
χ² / ndf 6.795e+04 / 82
p0 0.07381 ± 6.005e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

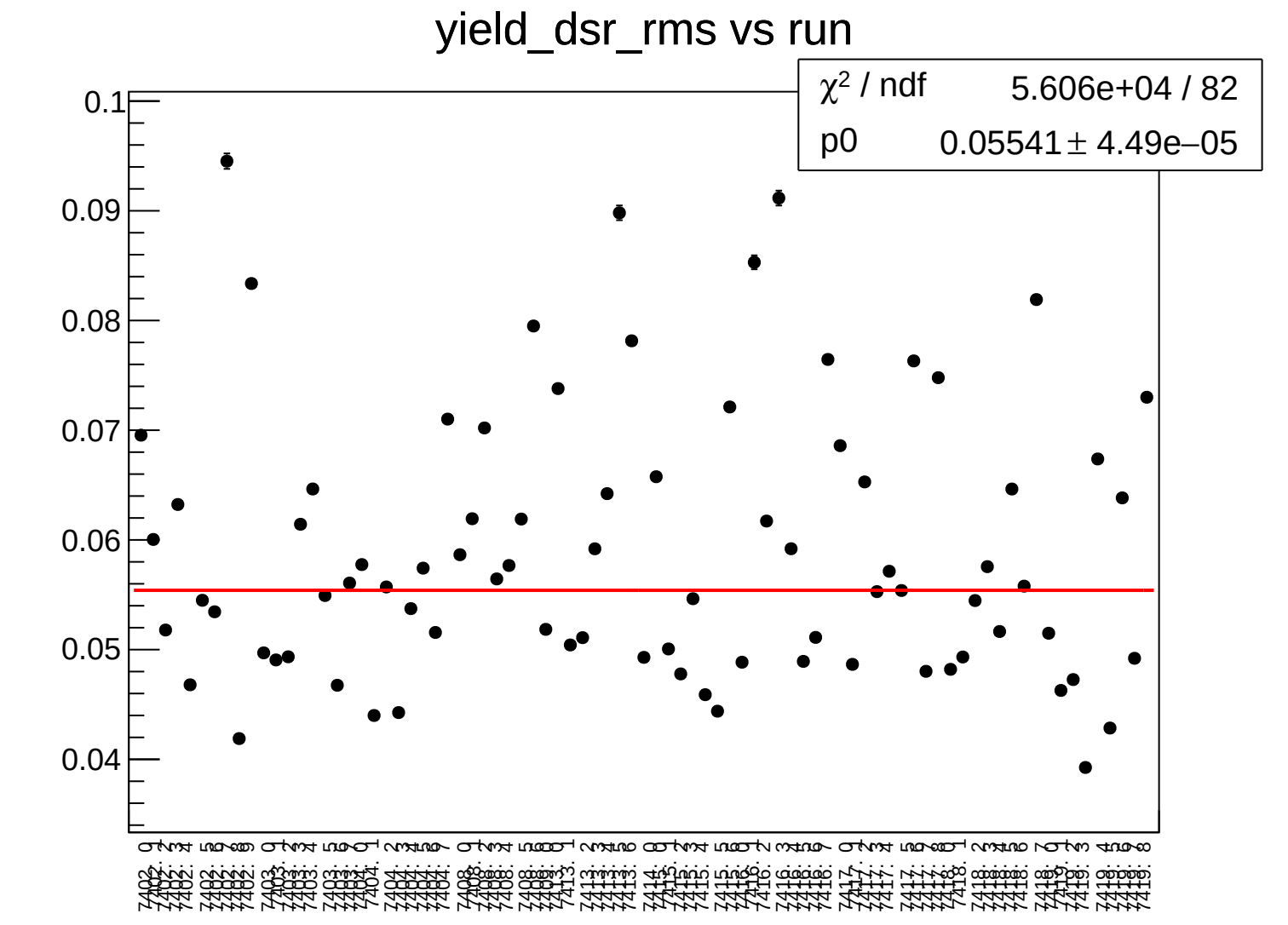

yield_dsl_mean vs run
χ² / ndf 2.836e+07 / 82
p0 −23.33 ± 4.993e−05
−23
−23.2
−23.4
−23.6
−23.8
−24
pull
Entries 83
Mean −583.4
Std Dev 0
1000
500
0
−500
−1000

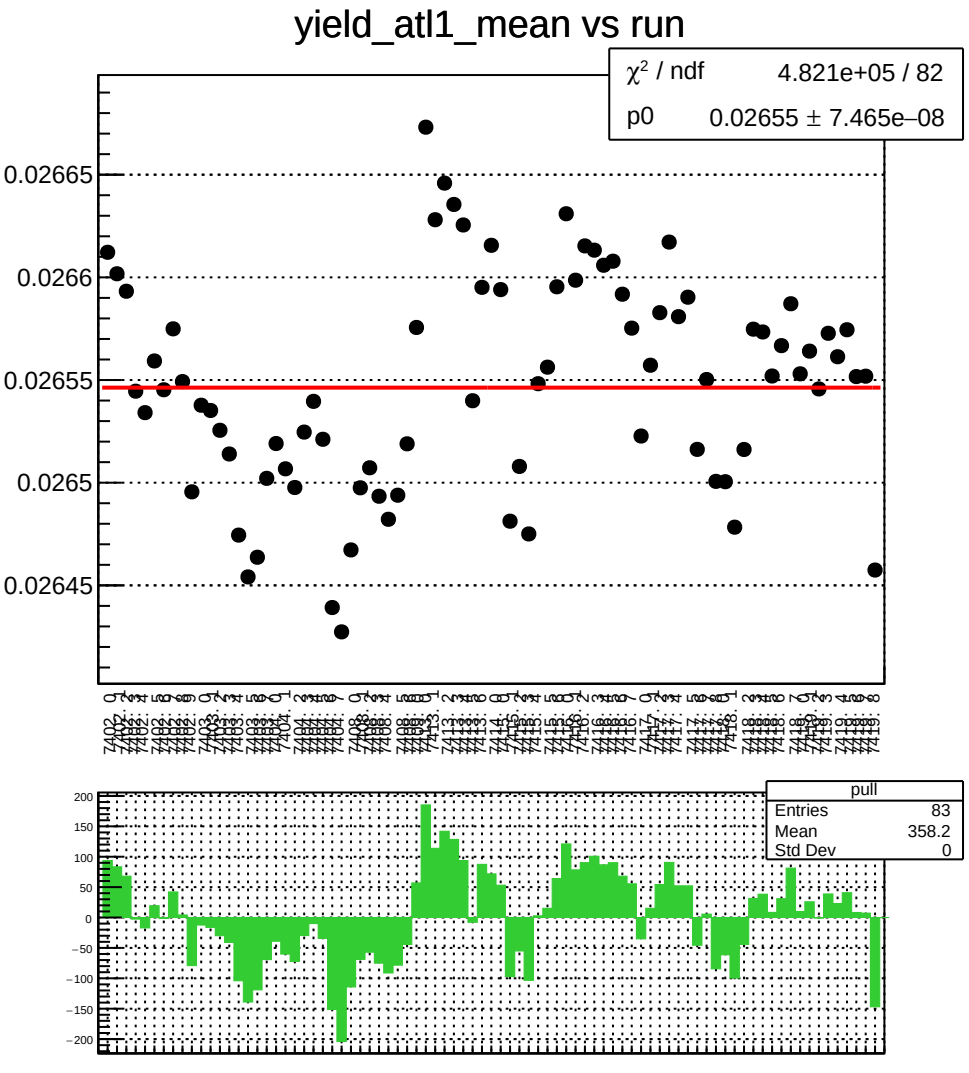

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

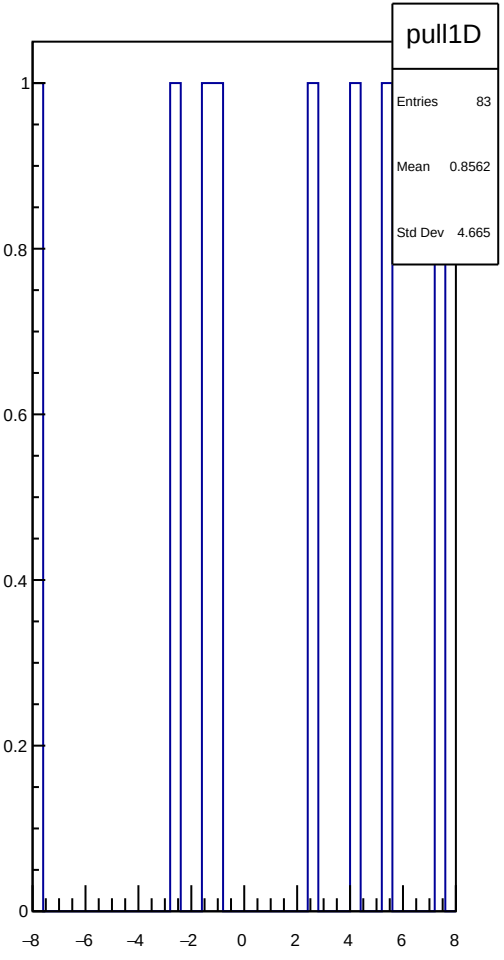

yield_dsl_rms vs run
χ² / ndf 4.987e+04 / 82
p0 0.04366 ± 3.531e−05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035

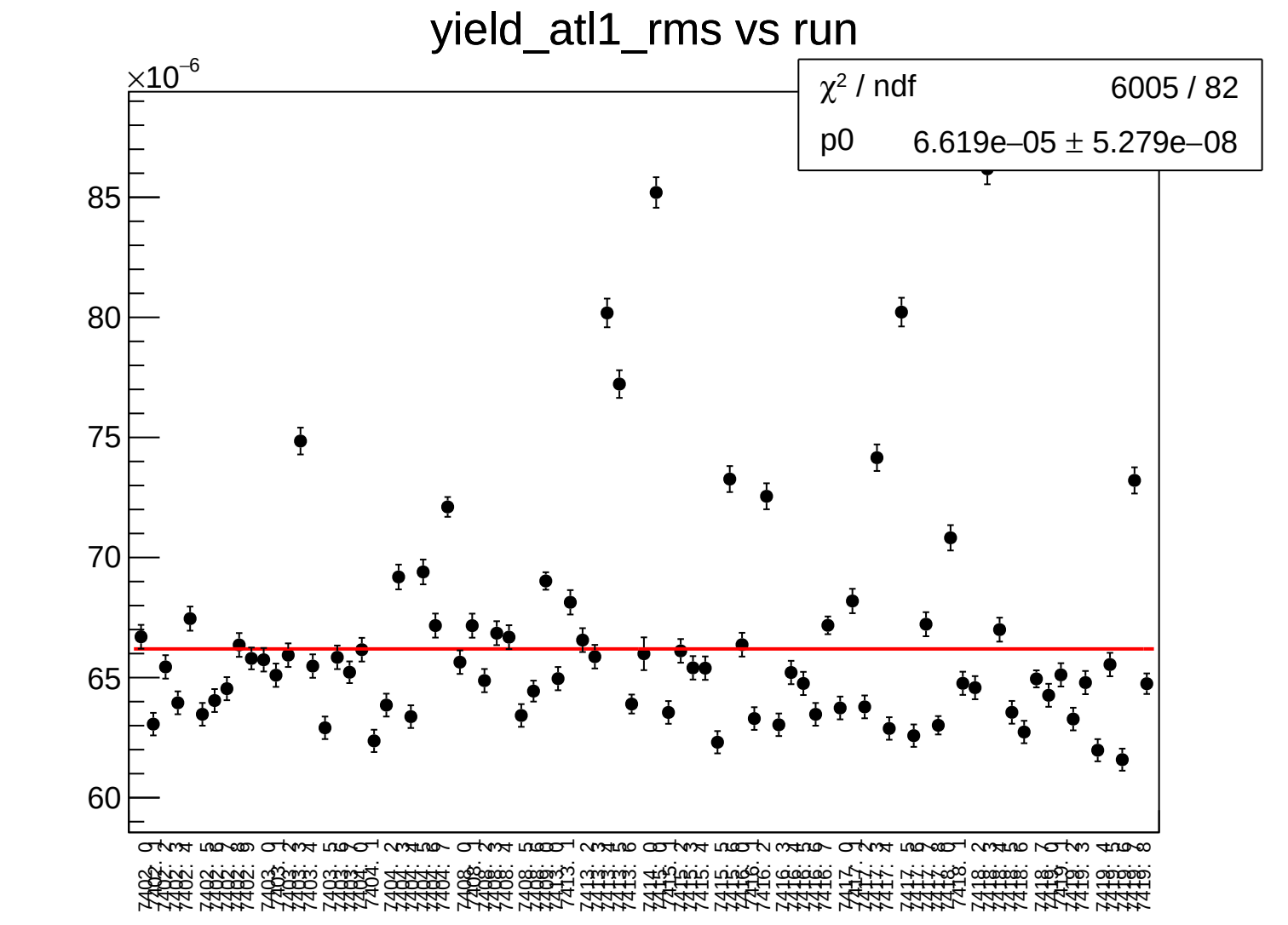

yield_dsr_mean vs run
χ² / ndf 1.023e+06 / 82
p0 −25.38 ± 6.35e−05
−25.2
−25.25
−25.3
−25.35
−25.4
−25.45
−25.5
pull
Entries 83
Mean 987.8
Std Dev 0
300
200
100
0
−100
−200

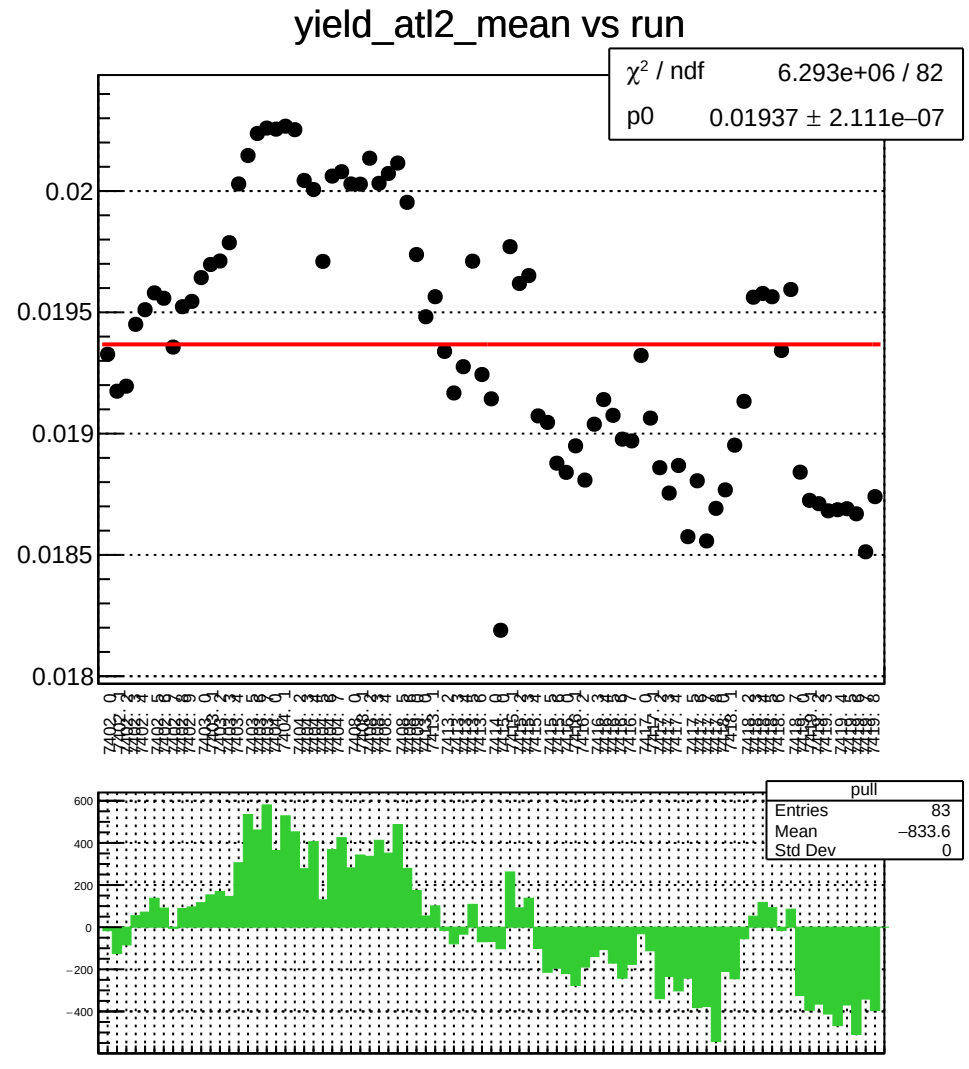

pull1D
Entries 83
Mean −2.209
Std Dev 2.64
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

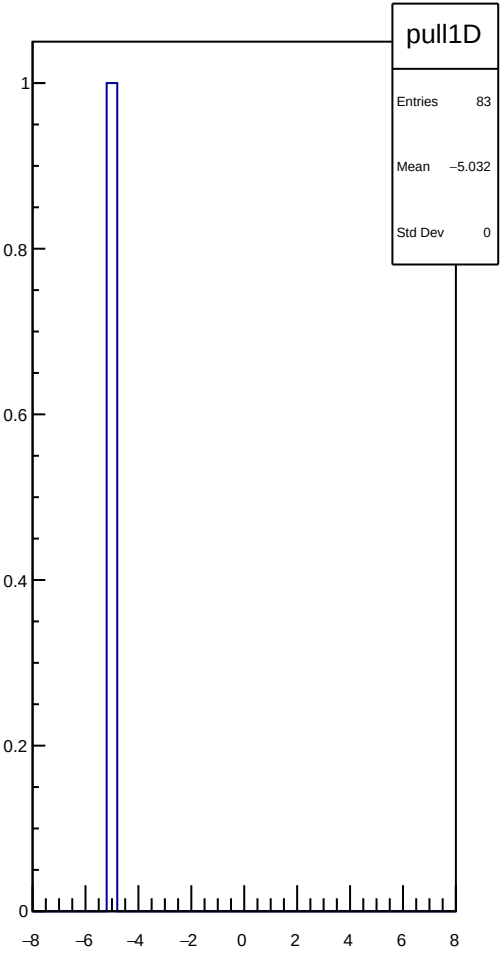

yield_dsr_rms vs run
χ² / ndf 5.606e+04 / 82
p0 0.05541 ± 4.49e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

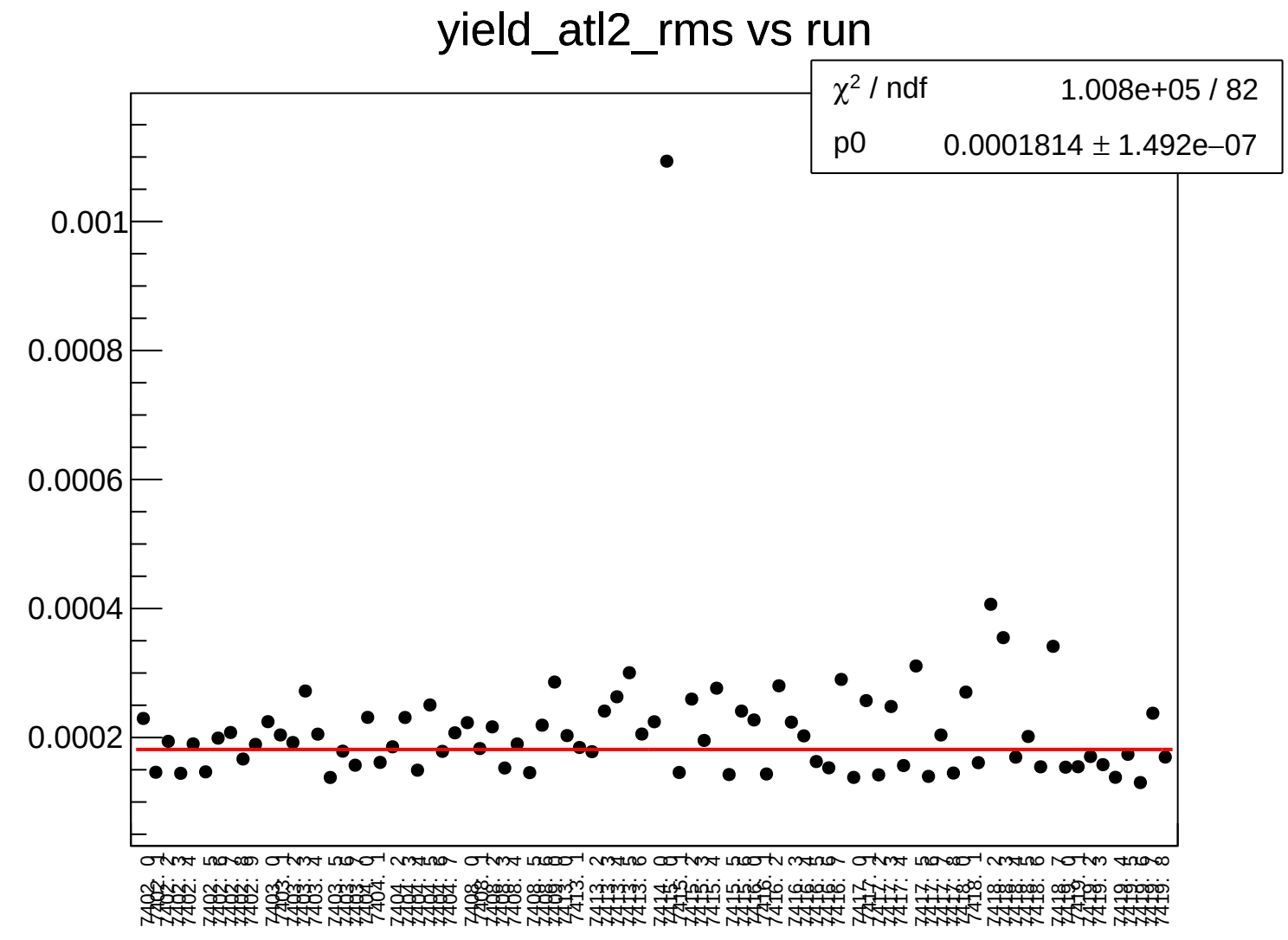

yield_atl1_mean vs run
χ² / ndf 4.821e+05 / 82
p0 0.02655 ± 7.465e−08
0.02665
0.0266
0.02655
0.0265
0.02645
pull
Entries 83
Mean 358.2
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

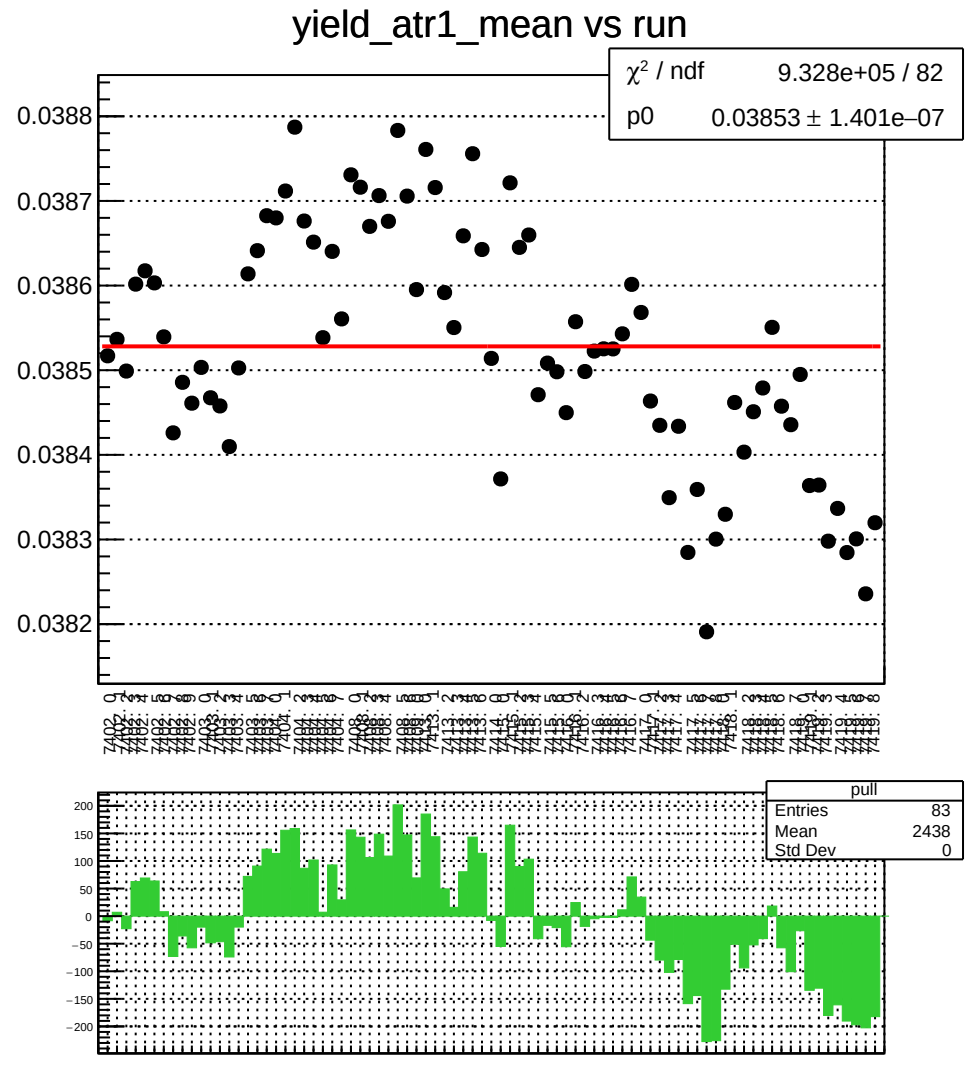

pull1D
Entries 83
Mean 0.8562
Std Dev 4.665
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

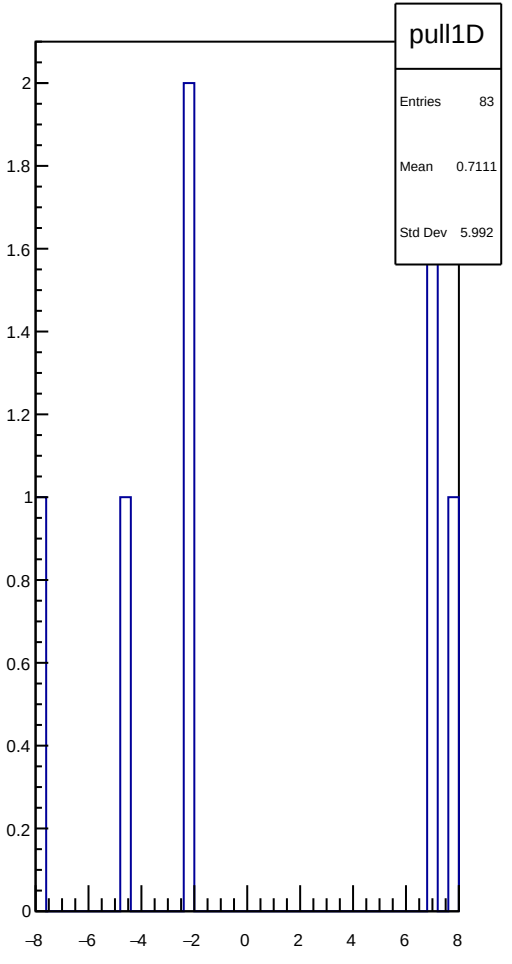

yield_atl1_rms vs run
×10⁻⁶
χ² / ndf 6005 / 82
p0 6.619e−05 ± 5.279e−08
85
80
75
70
65
60

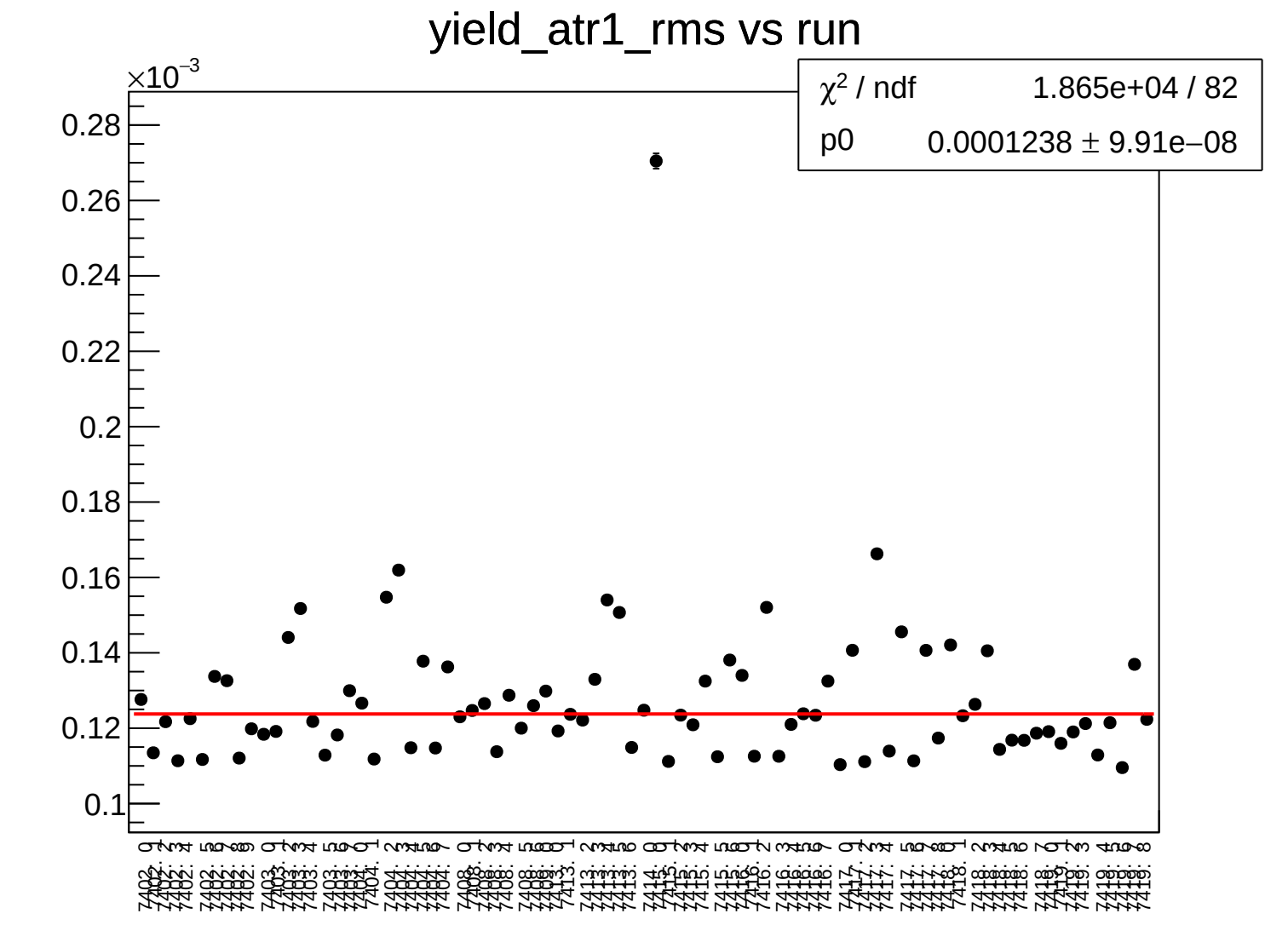

yield_atl2_mean vs run
χ² / ndf 6.293e+06 / 82
p0 0.01937 ± 2.111e−07
0.02
0.0195
0.019
0.0185
0.018
pull
Entries 83
Mean −833.6
Std Dev 0
600
400
200
0
−200
−400

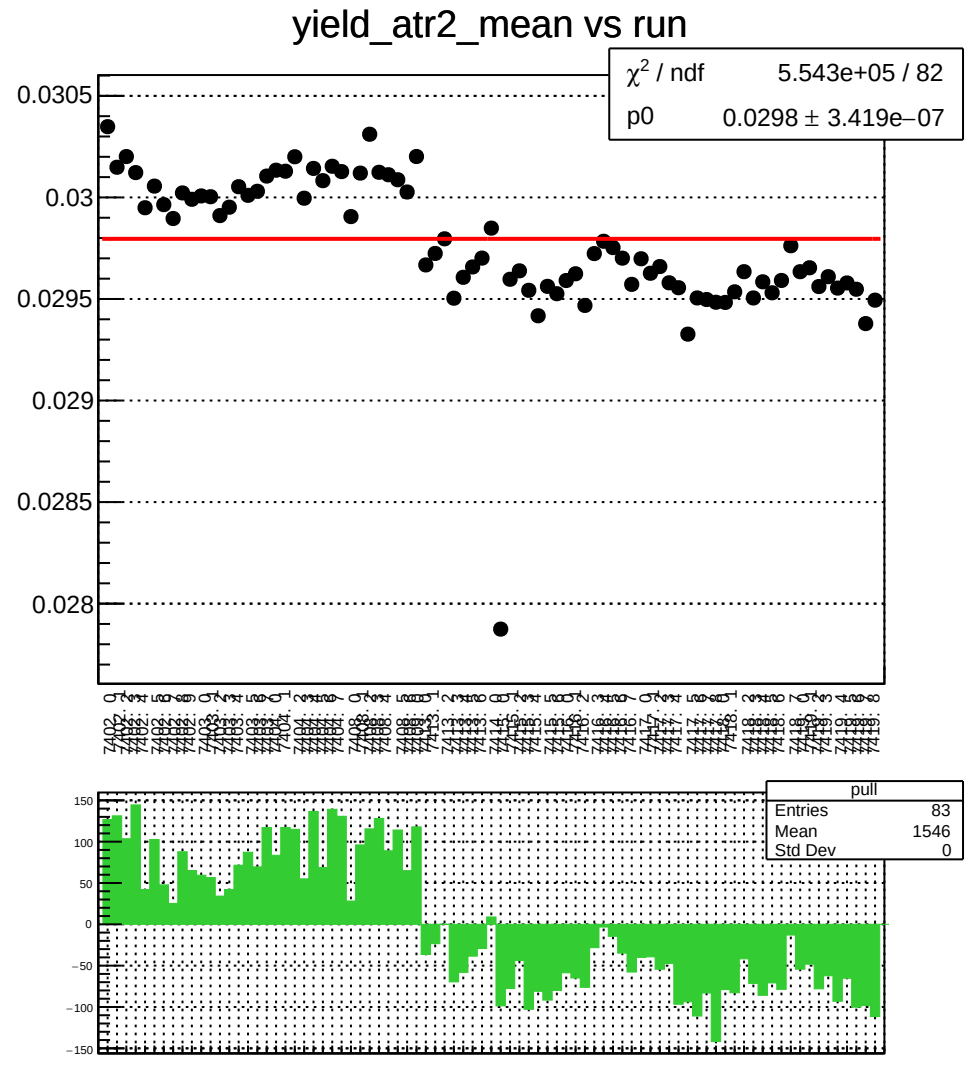

pull1D
Entries 83
Mean −5.032
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

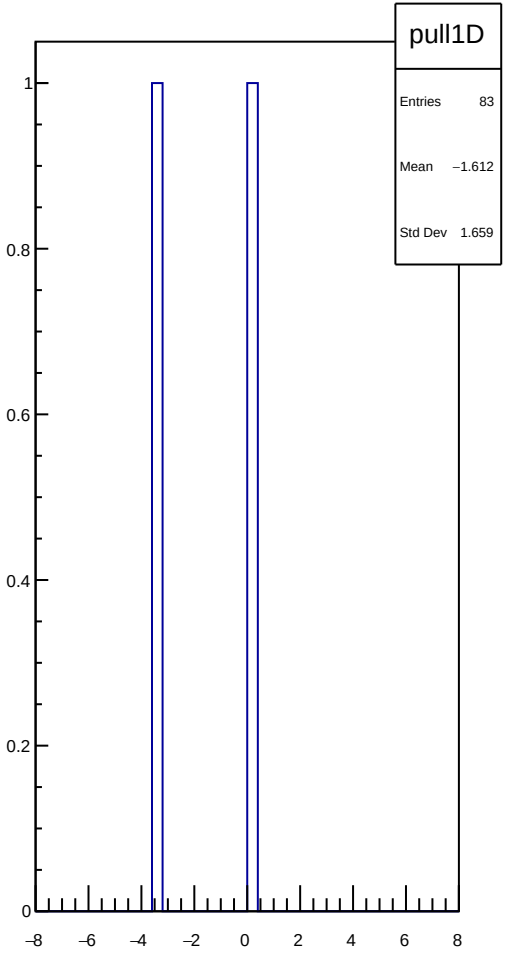

yield_atl2_rms vs run
χ² / ndf 1.008e+05 / 82
p0 0.0001814 ± 1.492e−07
0.001
0.0008
0.0006
0.0004
0.0002

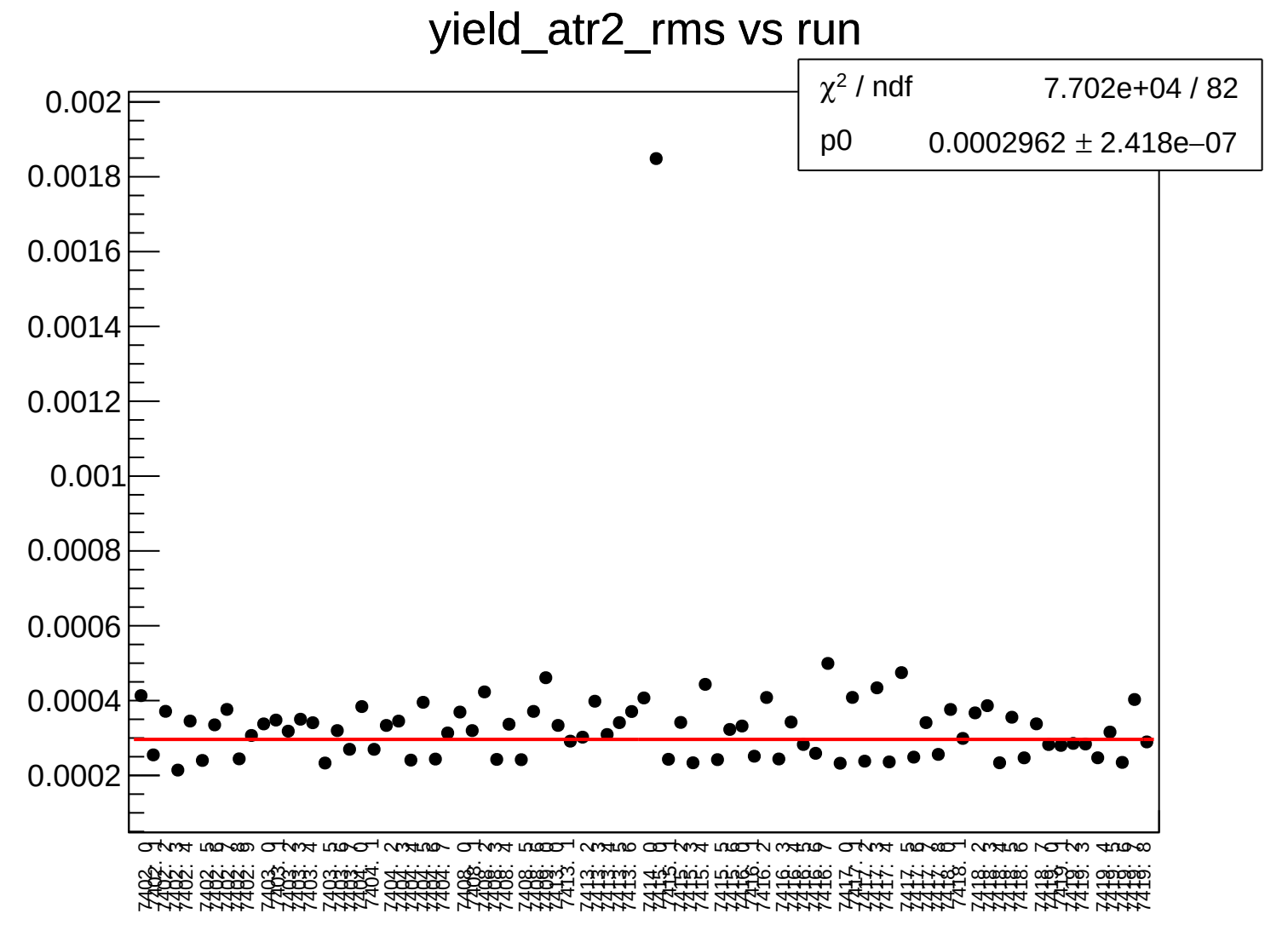

yield_atr1_mean vs run
χ² / ndf 9.328e+05 / 82
p0 0.03853 ± 1.401e−07
0.0388
0.0387
0.0386
0.0385
0.0384
0.0383
0.0382
pull
Entries 83
Mean 2438
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

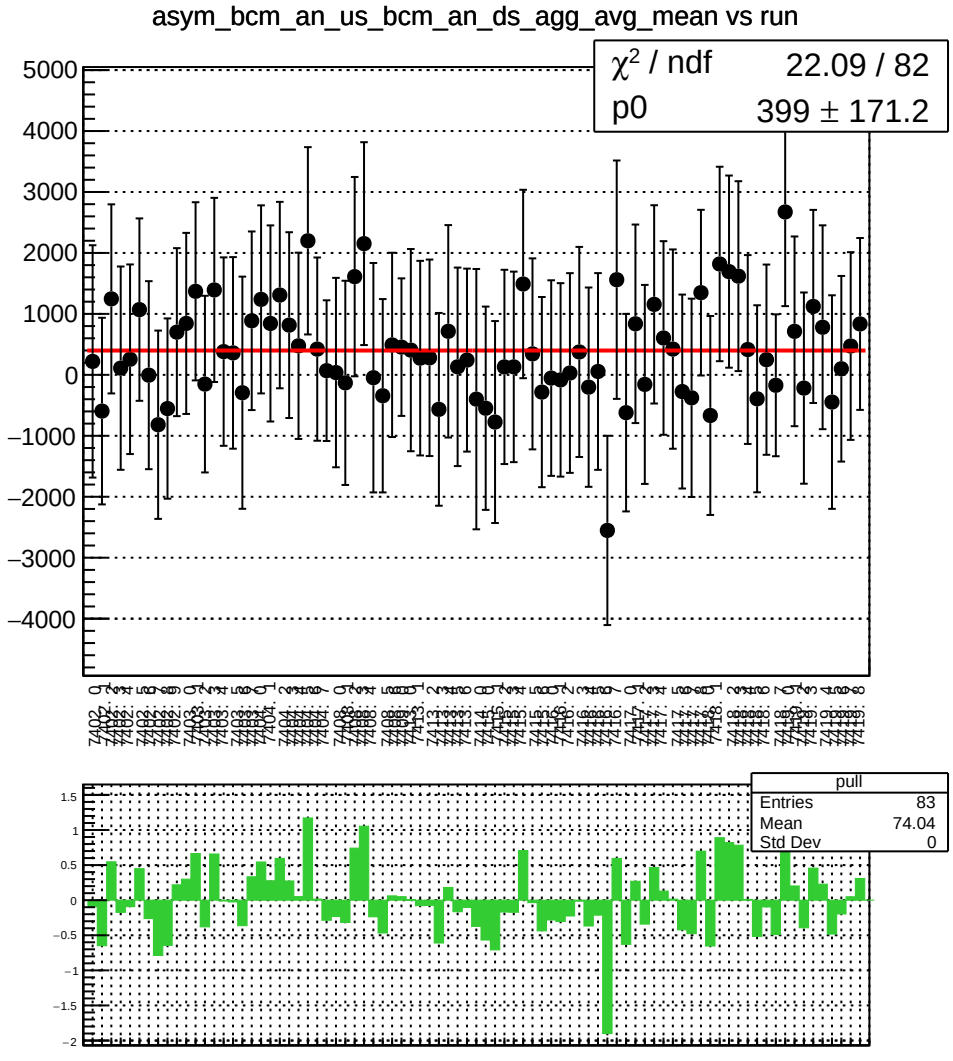

pull1D
Entries 83
Mean 0.7111
Std Dev 5.992
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

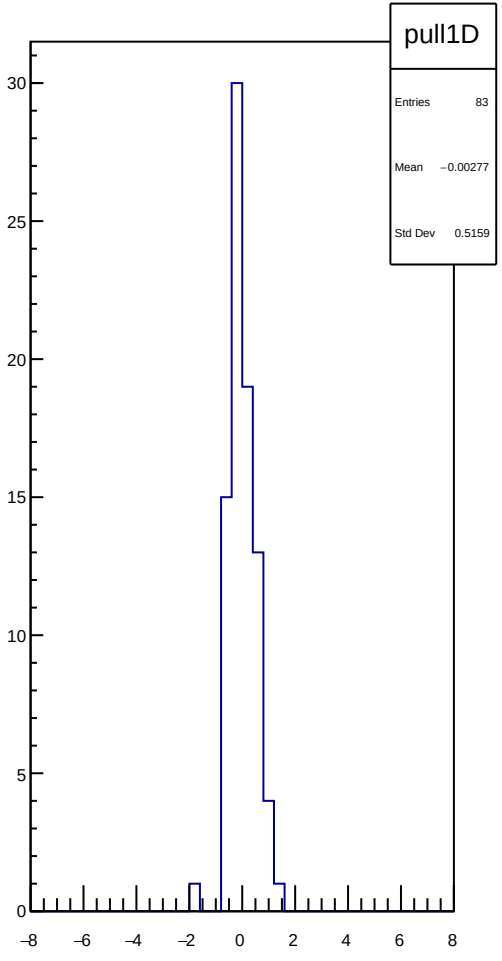

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.865e+04 / 82
p0 0.0001238 ± 9.91e−08
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1

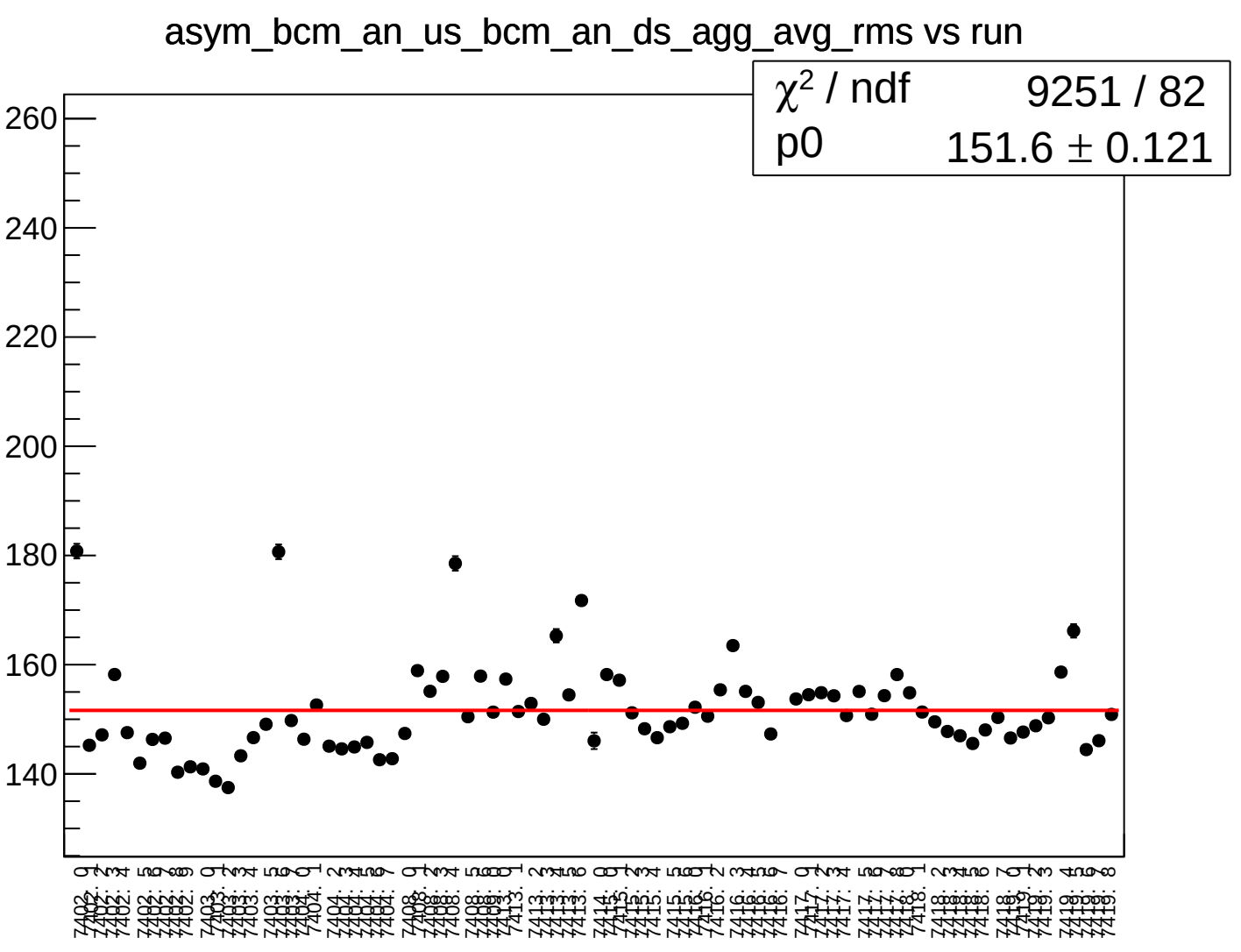

yield_atr2_mean vs run
χ² / ndf 5.543e+05 / 82
p0 0.0298 ± 3.419e−07
0.0305
0.03
0.0295
0.029
0.0285
0.028
pull
Entries 83
Mean 1546
Std Dev 0
150
100
50
0
−50
−100
−150

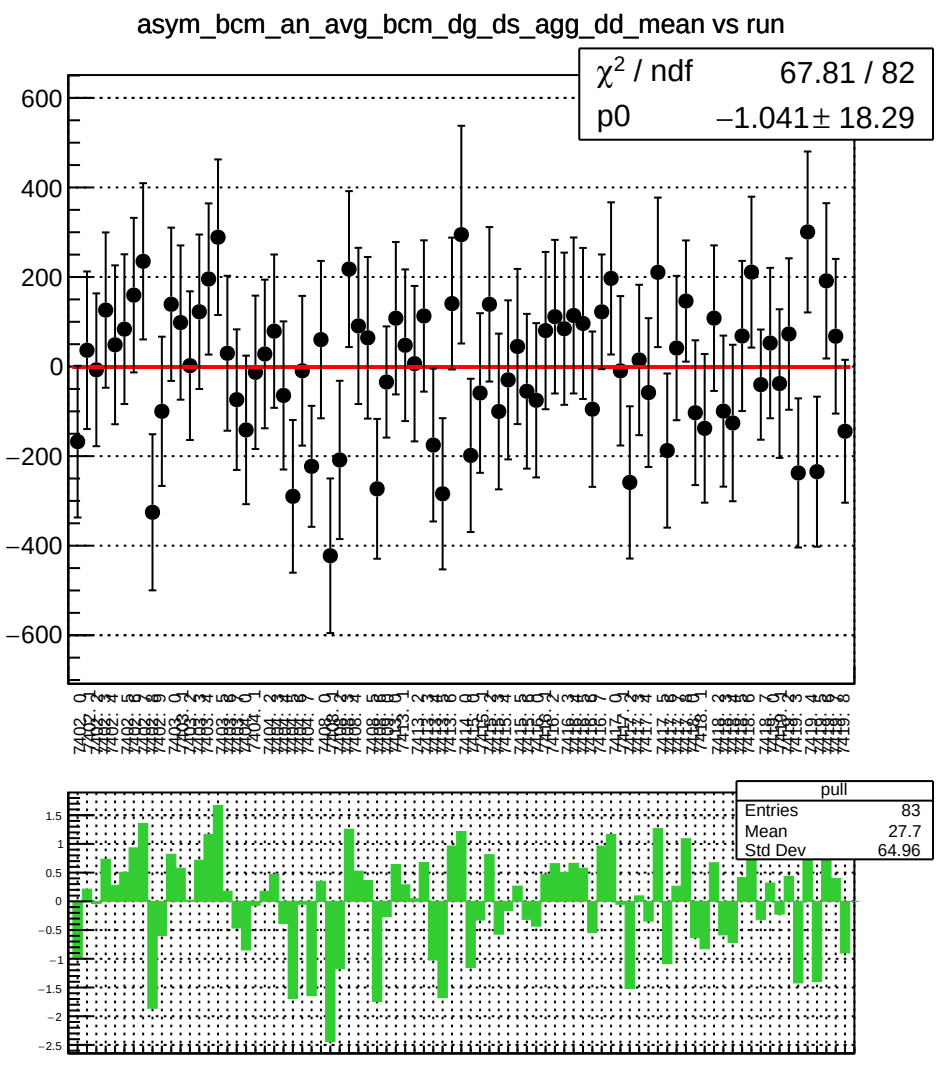

pull1D
Entries 83
Mean −1.612
Std Dev 1.659
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

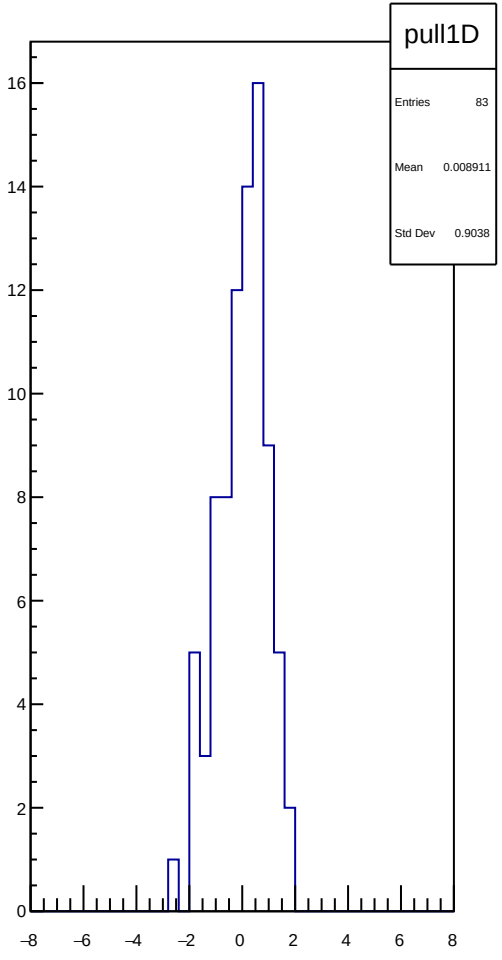

yield_atr2_rms vs run
χ² / ndf 7.702e+04 / 82
p0 0.0002962 ± 2.418e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002

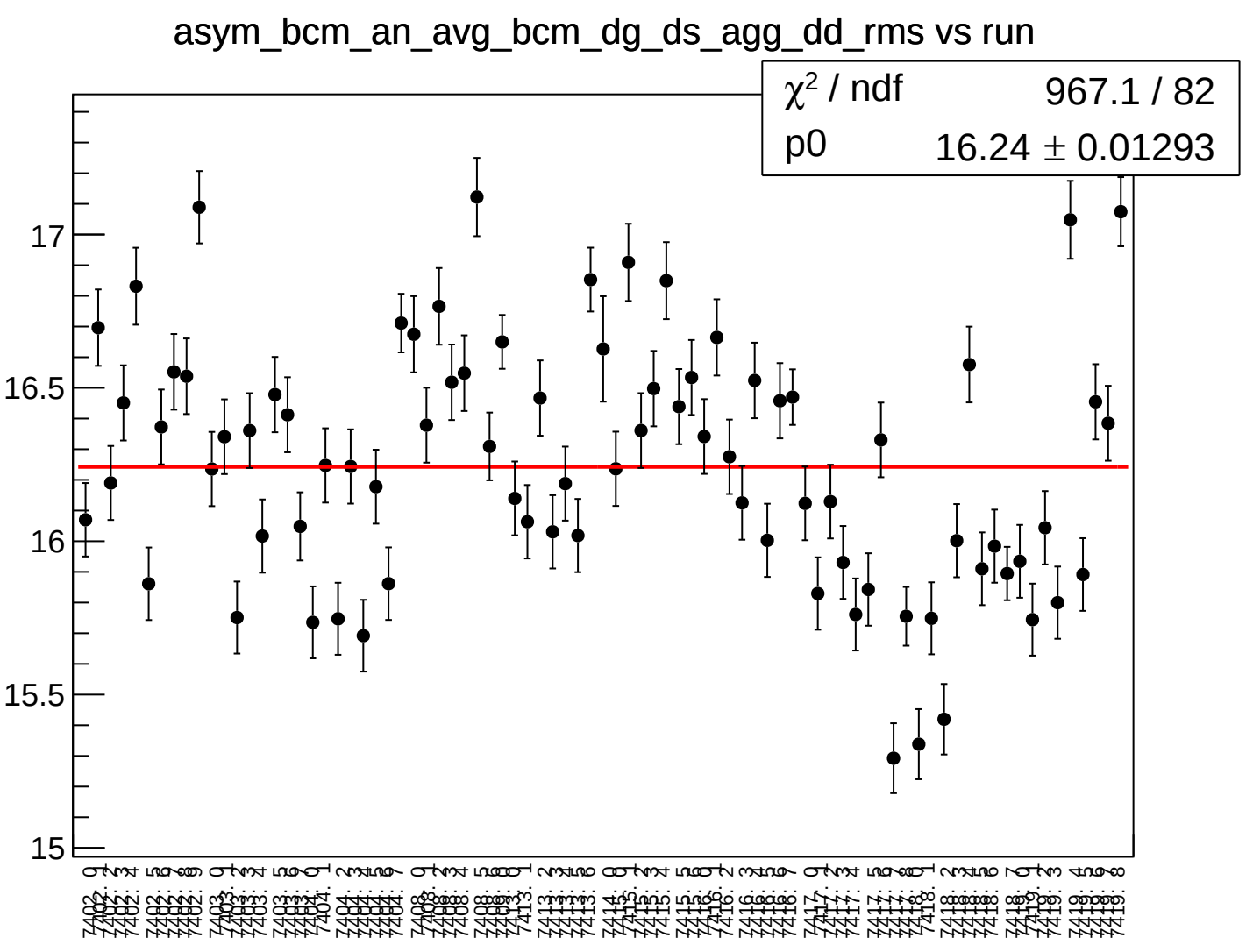

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 22.09 / 82
p0 399 ± 171.2
pull
Entries 83
Mean 74.04
Std Dev 0

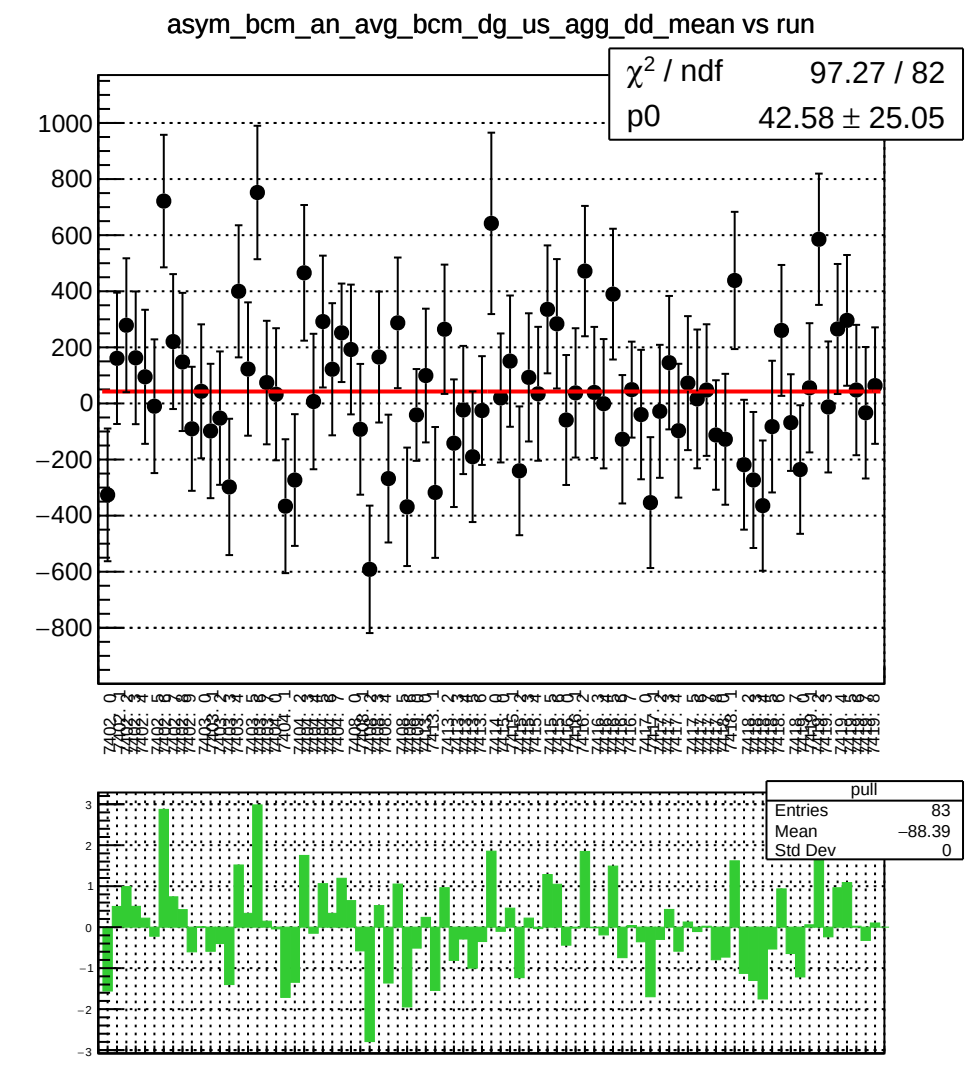

pull1D
Entries 83
Mean −0.00277
Std Dev 0.5159

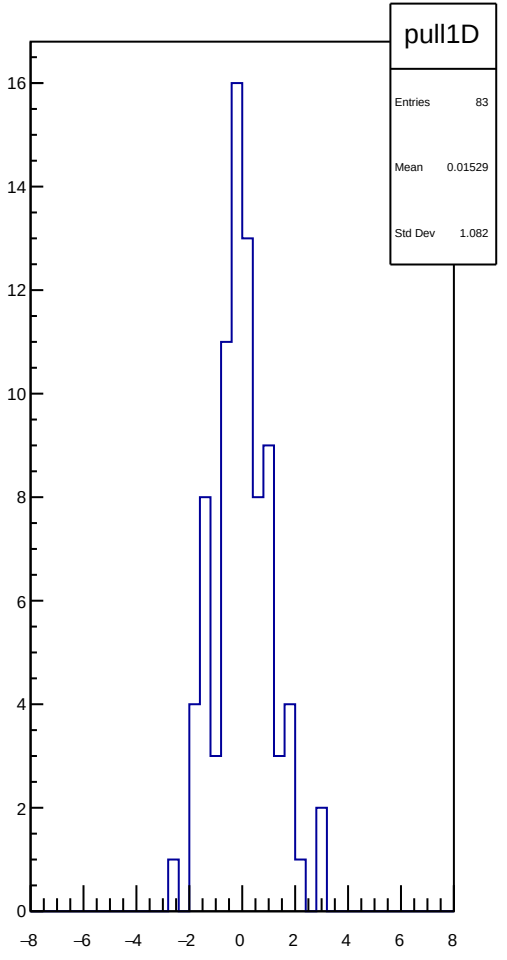

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9251 / 82
p0 151.6 ± 0.121
260
240
220
200
180
160
140

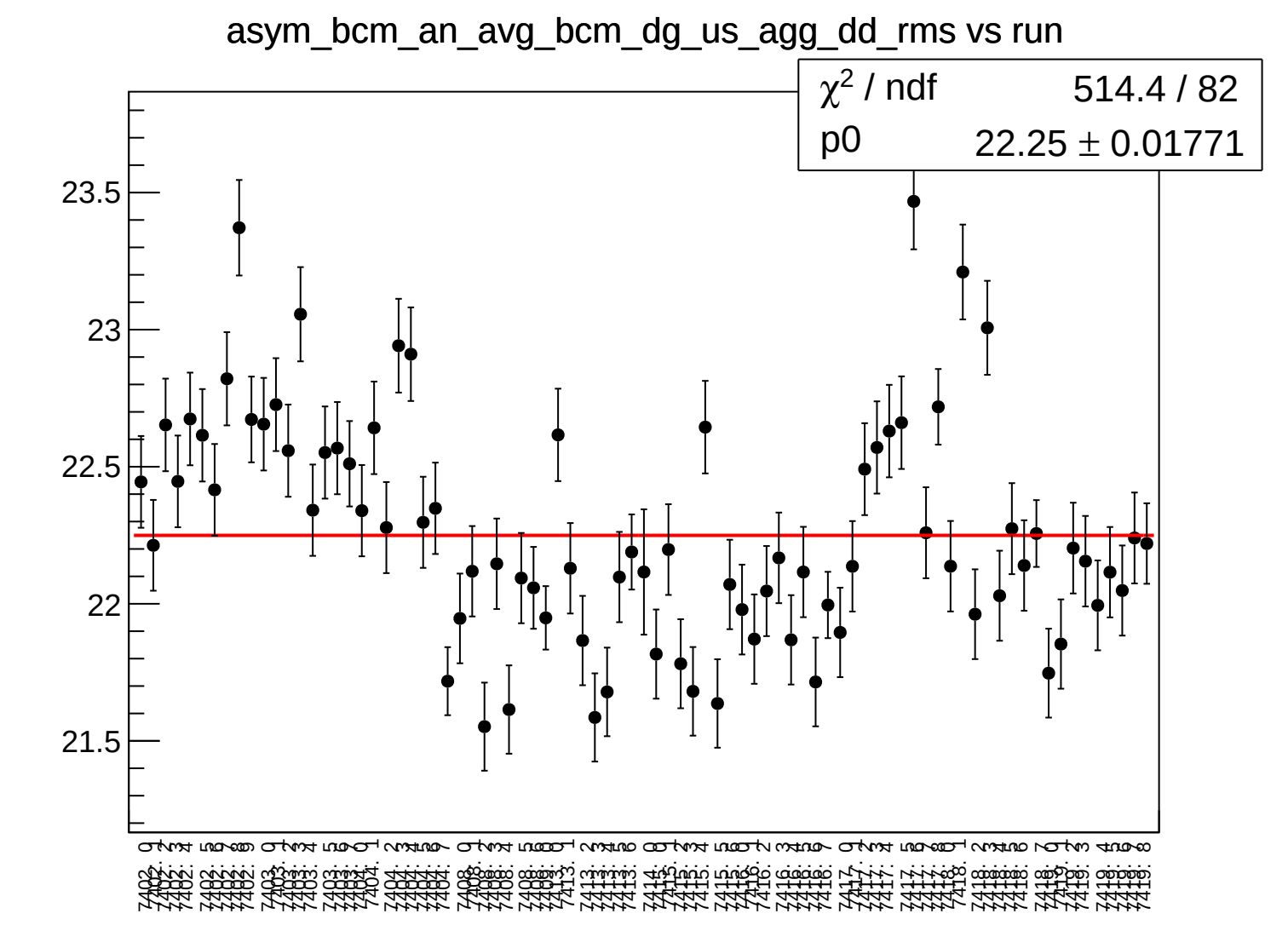

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 67.81 / 82
p0 −1.041 ± 18.29
pull
Entries 83
Mean 27.7
Std Dev 64.96

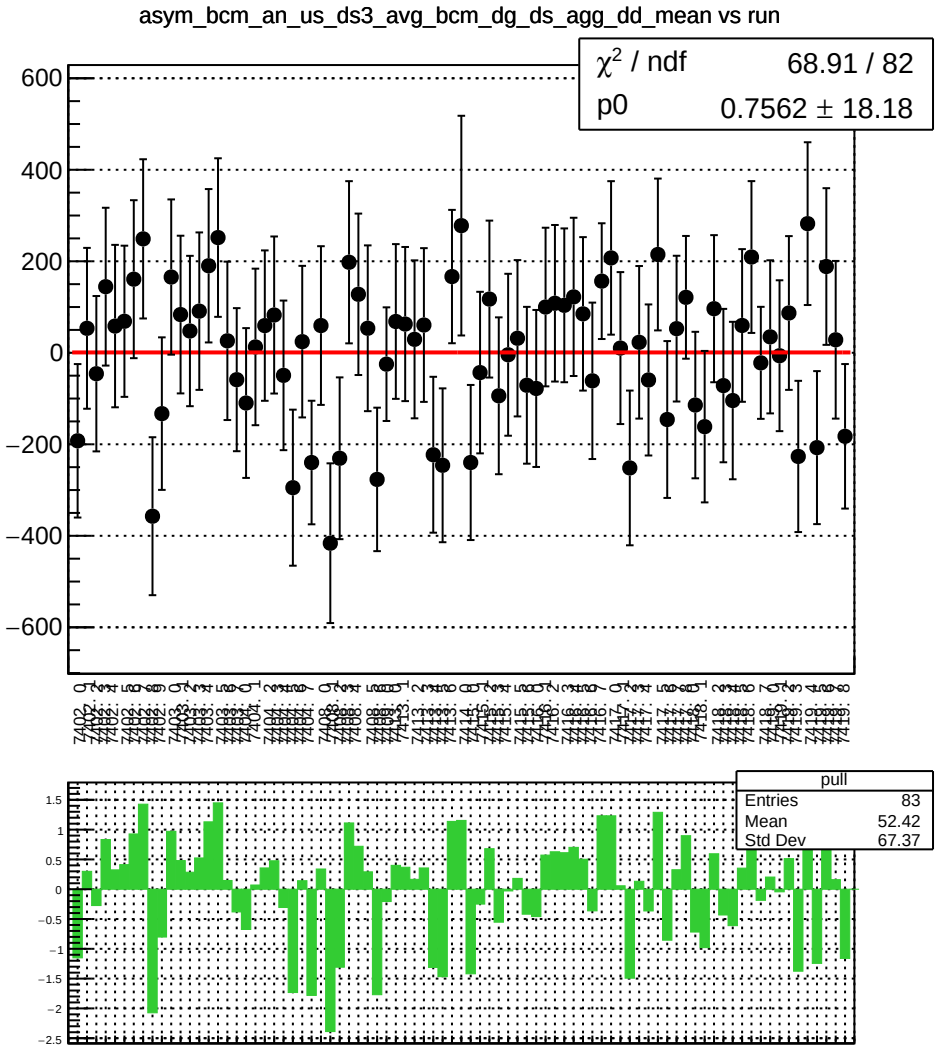

pull1D
Entries 83
Mean 0.008911
Std Dev 0.9038

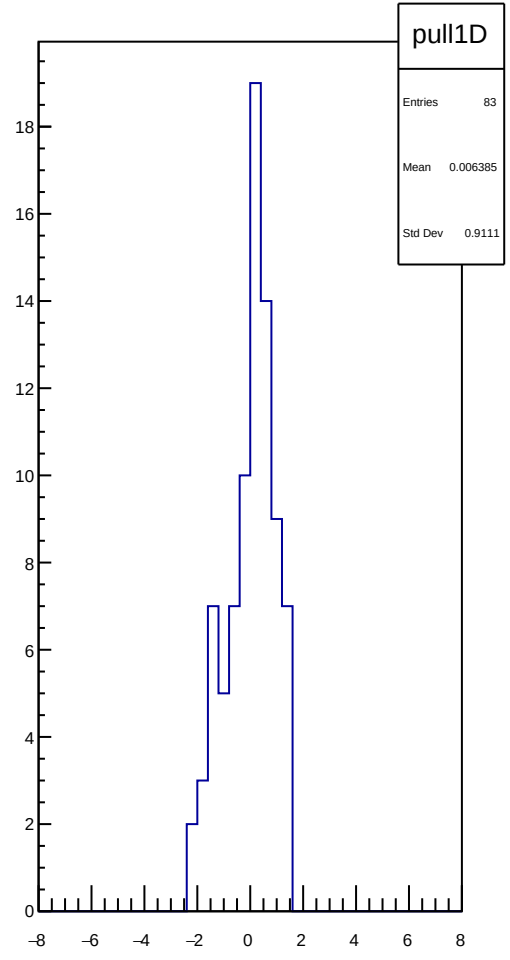

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 967.1 / 82
p0 16.24 ± 0.01293
17
16.5
16
15.5
15

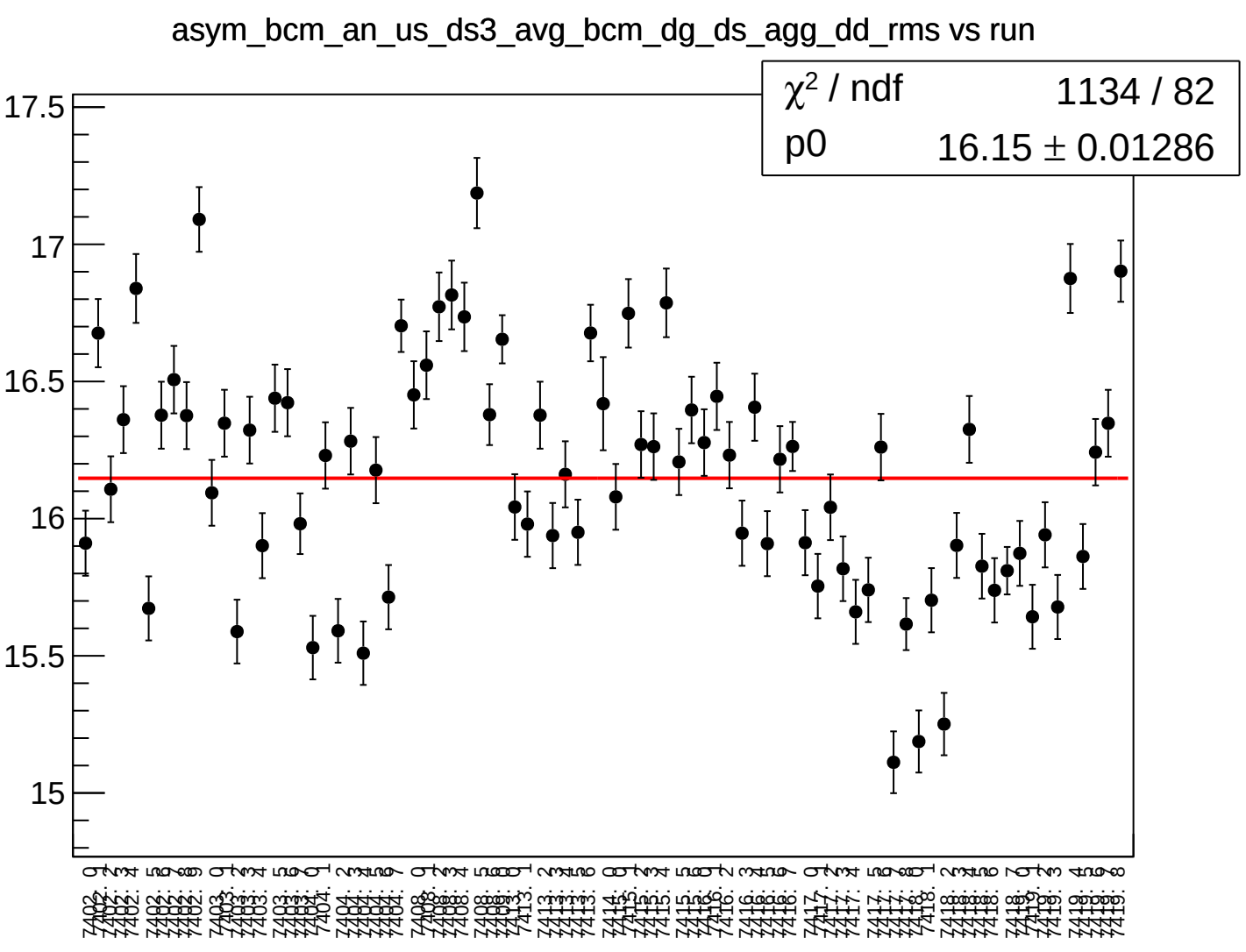

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 97.27 / 82
p0 42.58 ± 25.05
pull
Entries 83
Mean −88.39
Std Dev 0

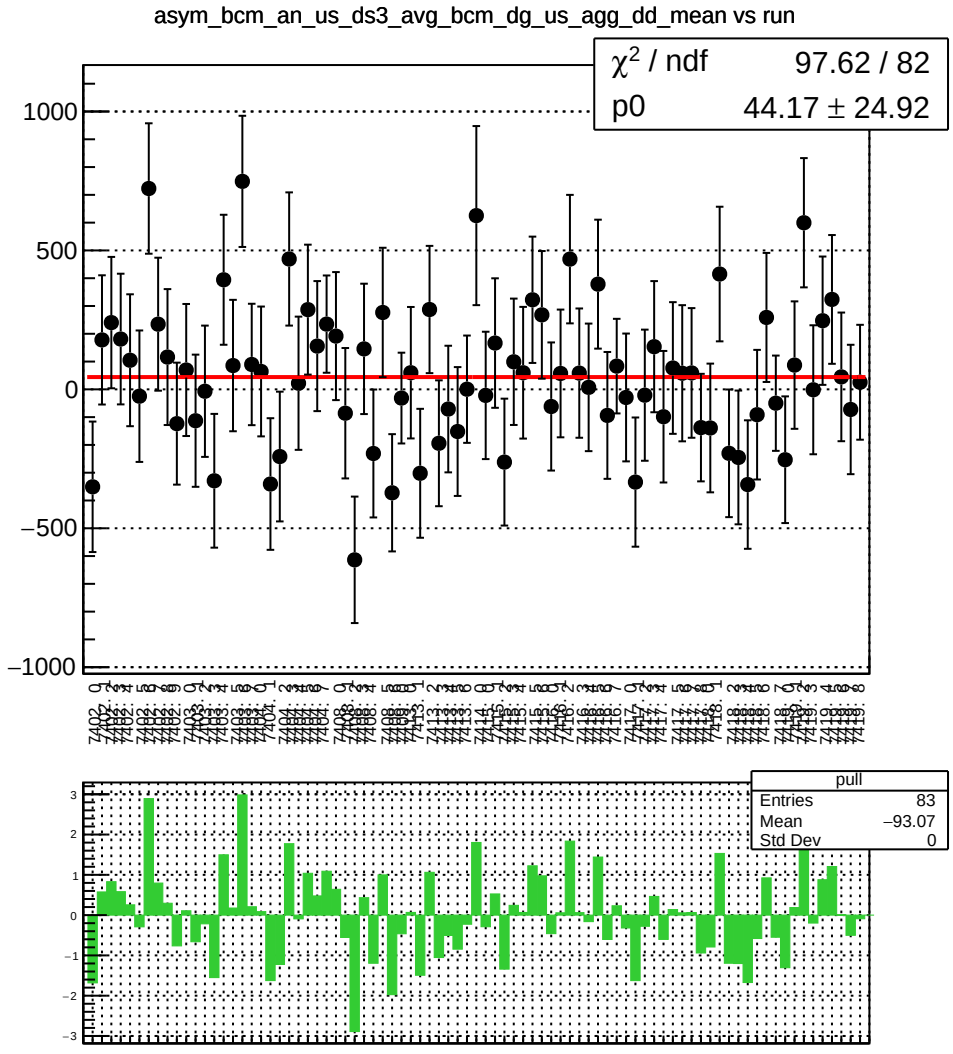

pull1D
Entries 83
Mean 0.01529
Std Dev 1.082

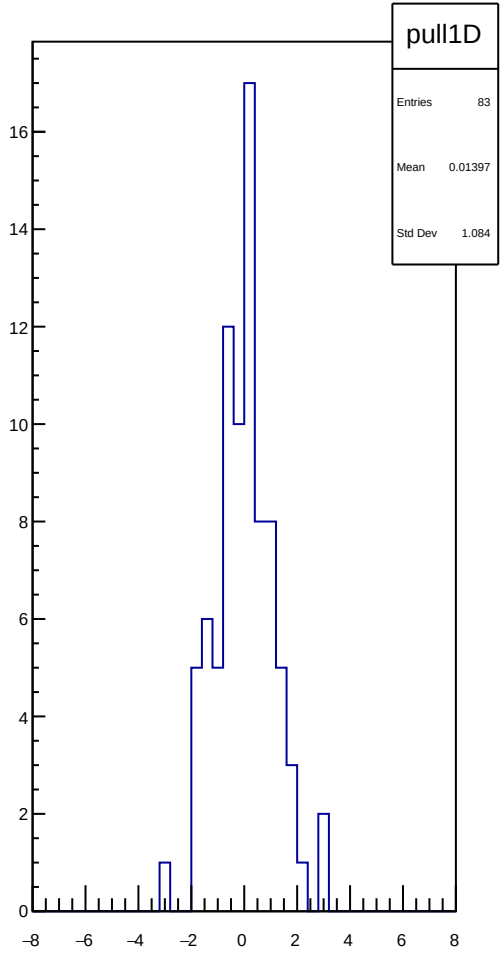

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 514.4 / 82
p0 22.25 ± 0.01771
23.5
23
22.5
22
21.5

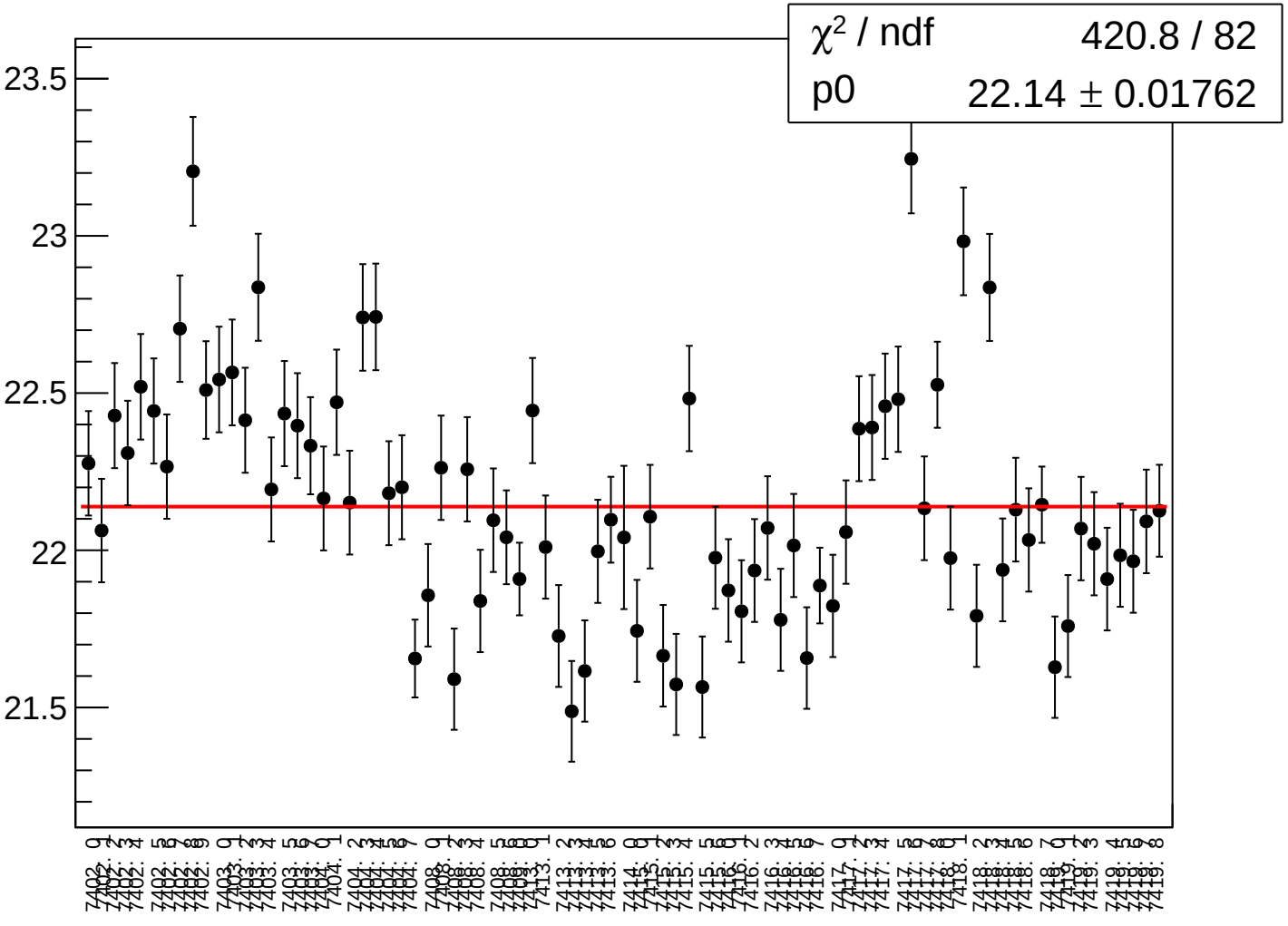

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 68.91 / 82
p0 0.7562 ± 18.18
pull
Entries 83
Mean 52.42
Std Dev 67.37

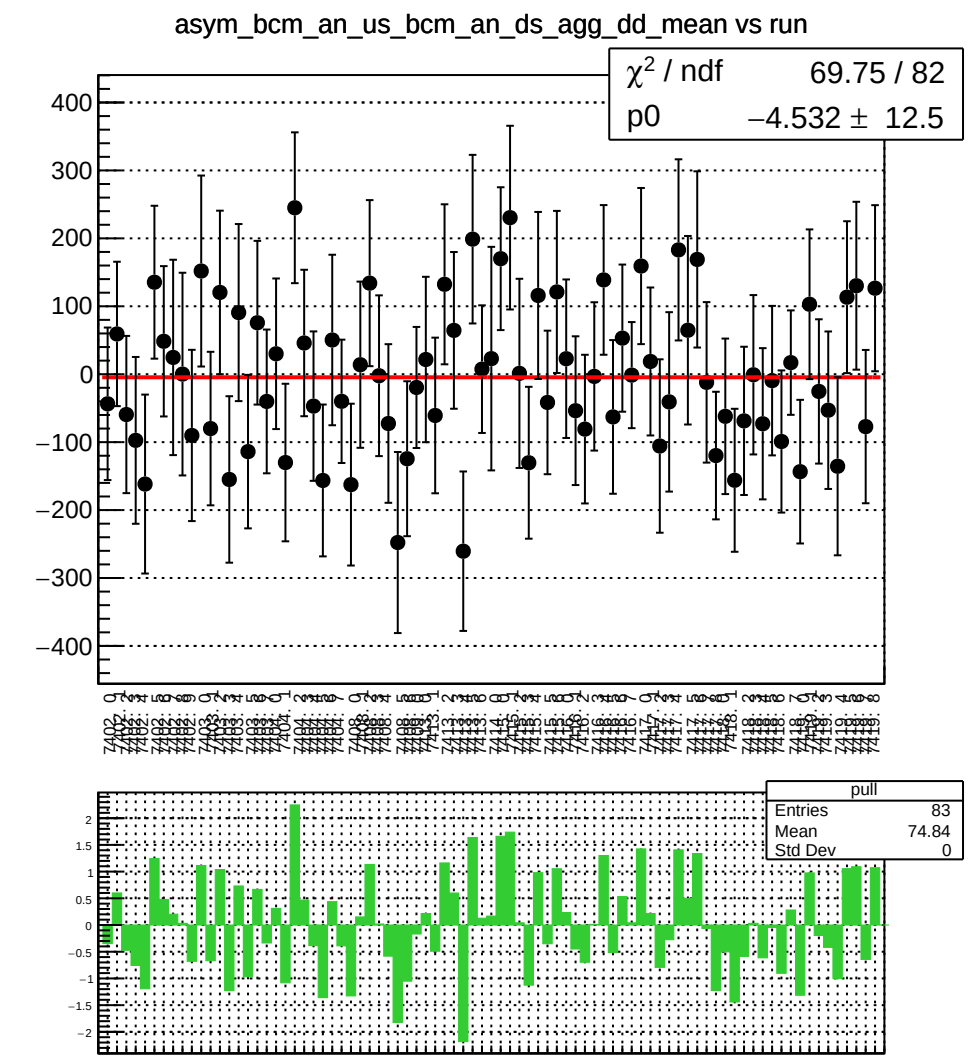

pull1D
Entries 83
Mean 0.006385
Std Dev 0.9111

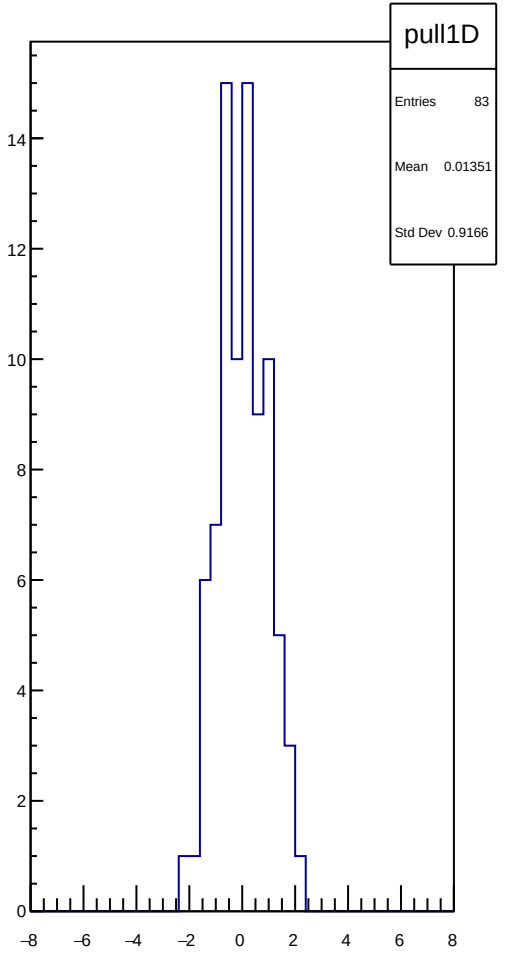

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1134 / 82
p0 16.15 ± 0.01286
17.5
17
16.5
16
15.5
15

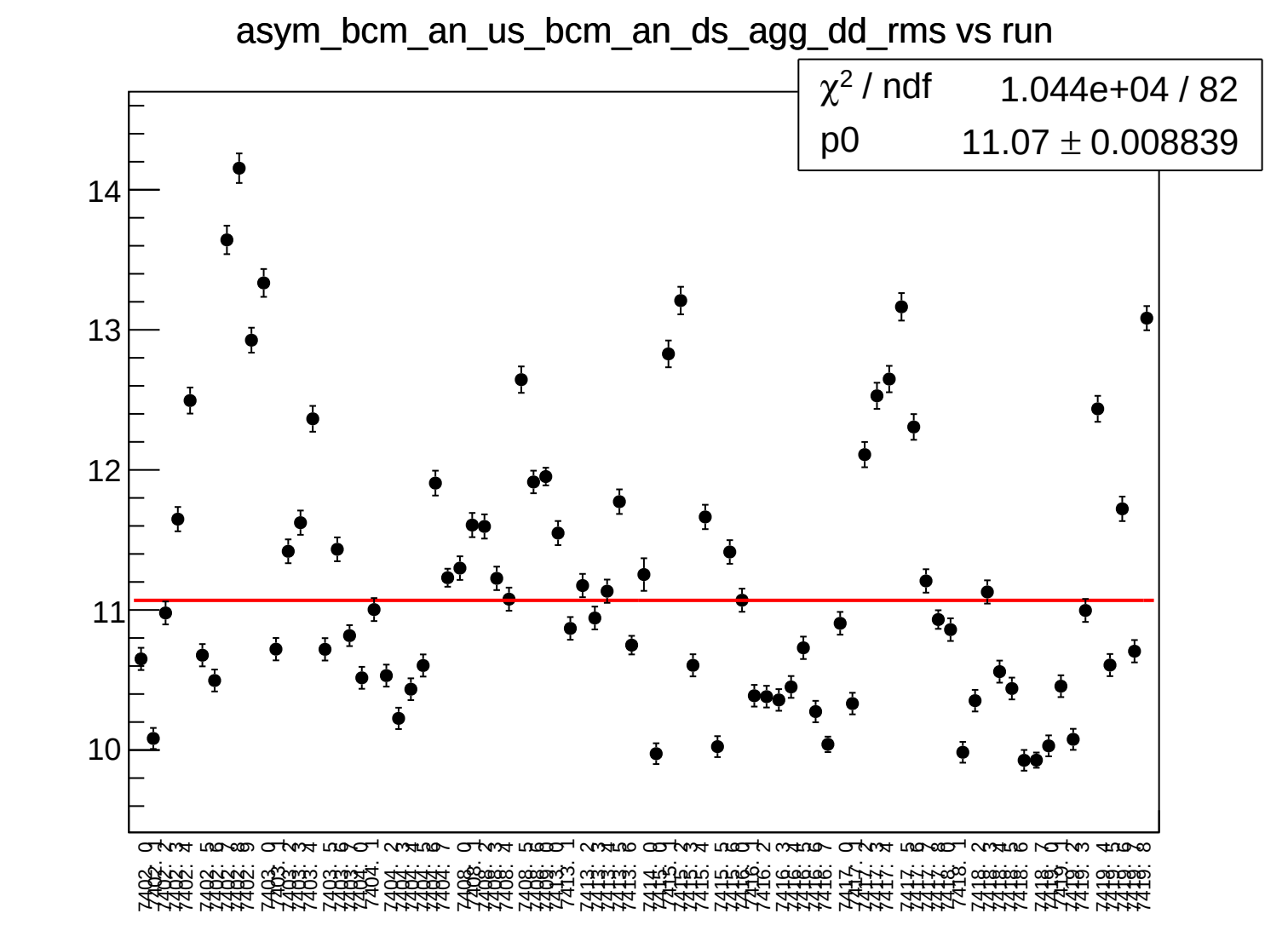

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 97.62 / 82
p0 44.17 ± 24.92
1000
500
0
−500
−1000
pull
Entries 83
Mean −93.07
Std Dev 0
3
2
1
0
−1
−2
−3

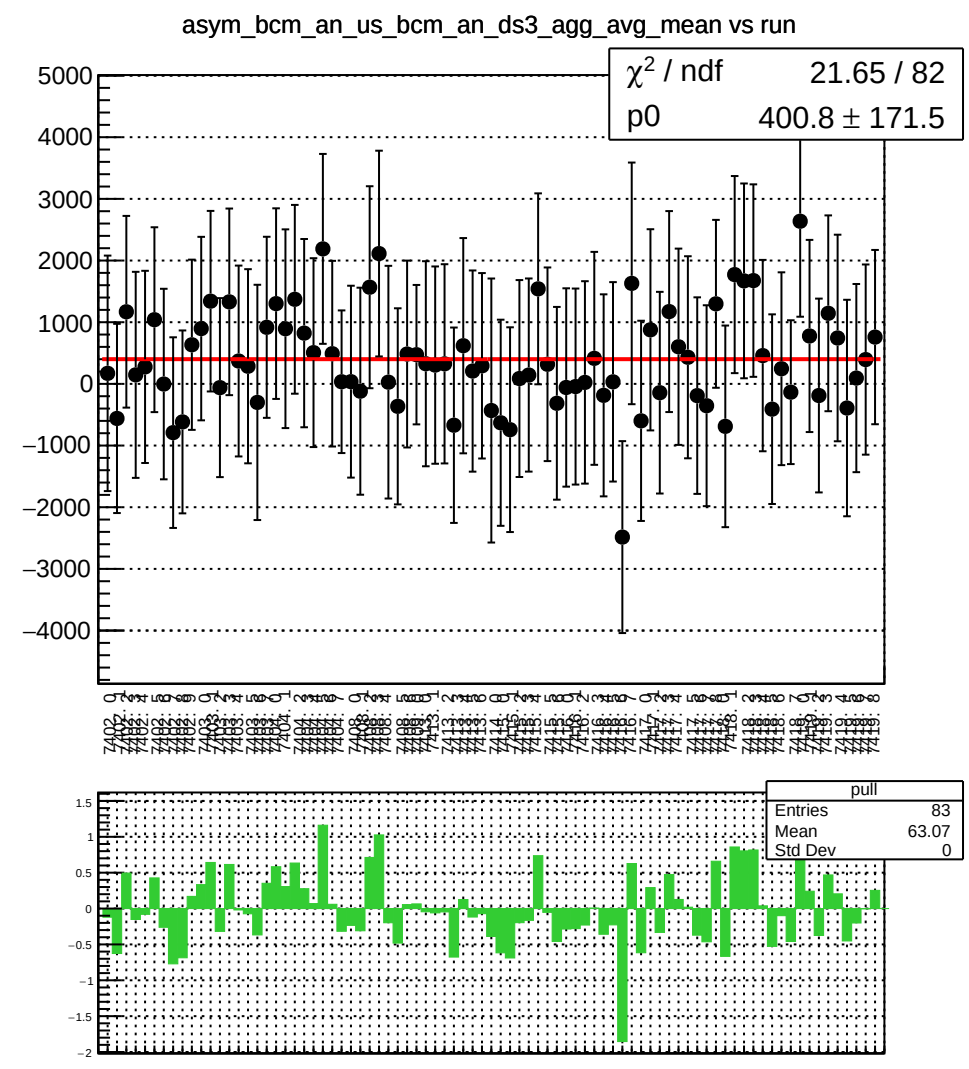

pull1D
Entries 83
Mean 0.01397
Std Dev 1.084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

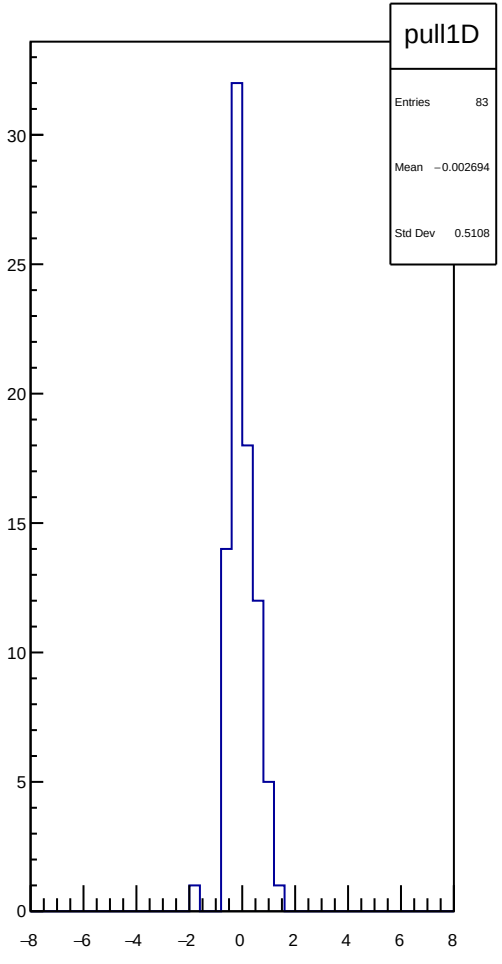

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 420.8 / 82
p0 22.14 ± 0.01762
23.5
23
22.5
22
21.5

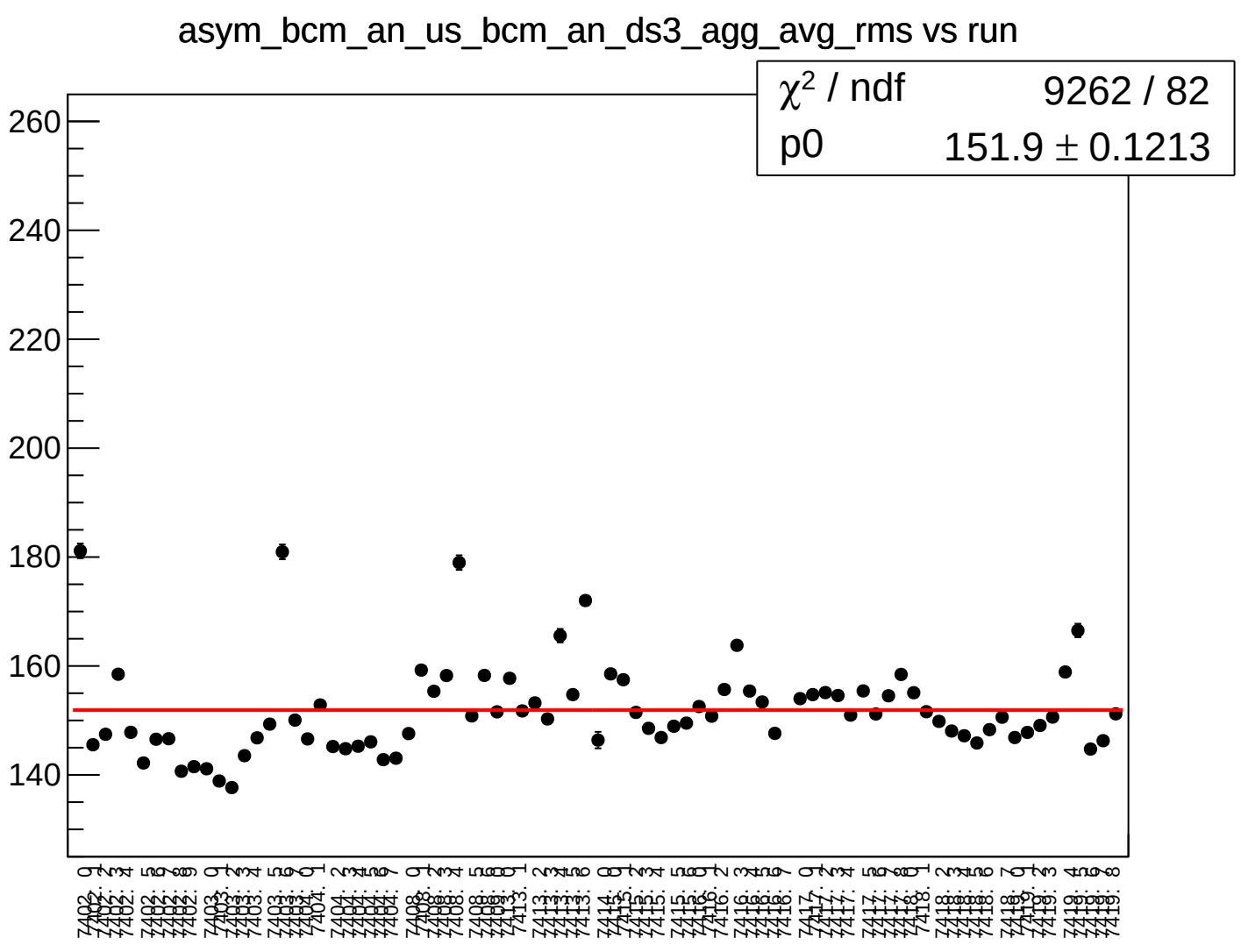

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 69.75 / 82
p0 −4.532 ± 12.5
pull
Entries 83
Mean 74.84
Std Dev 0

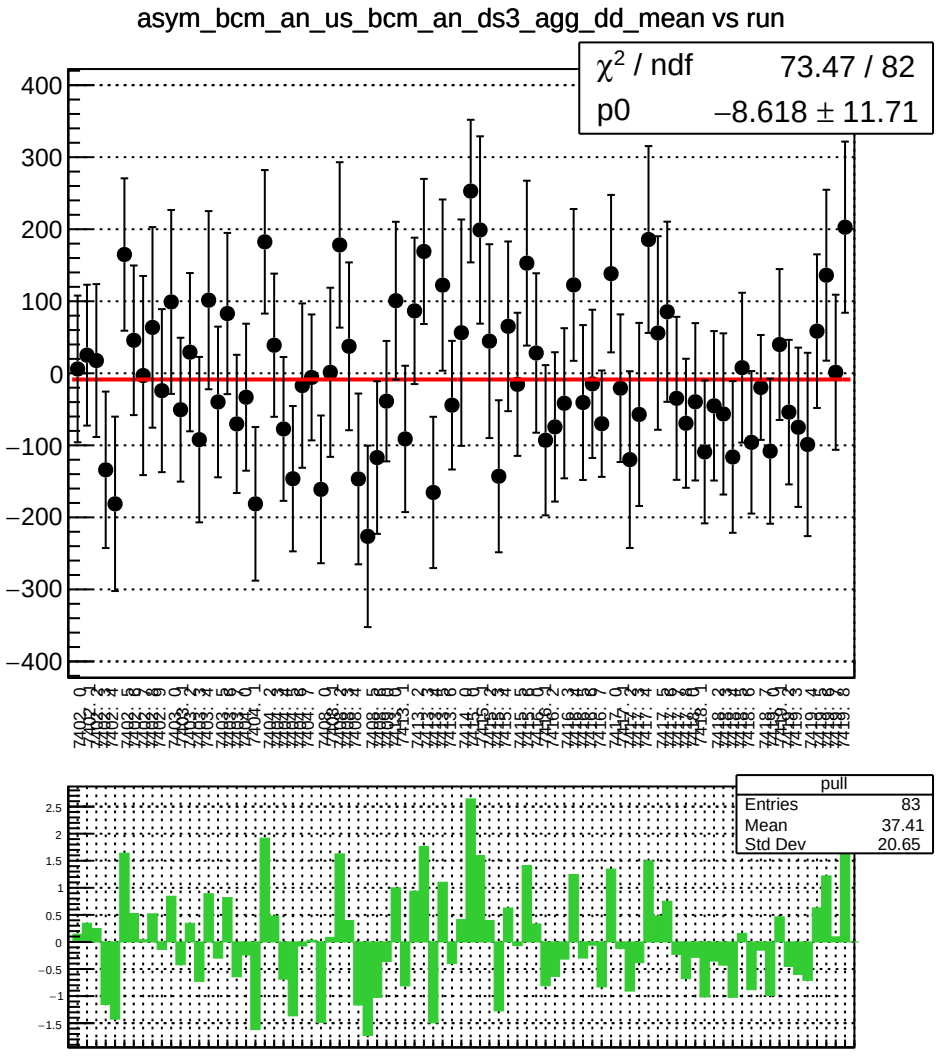

pull1D
Entries 83
Mean 0.01351
Std Dev 0.9166

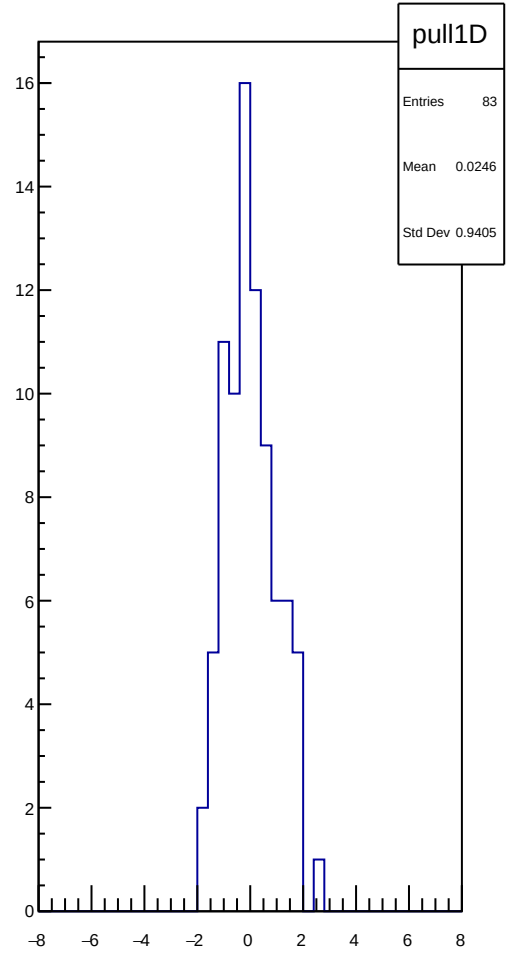

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.044e+04 / 82
p0 11.07 ± 0.008839
14
13
12
11
10

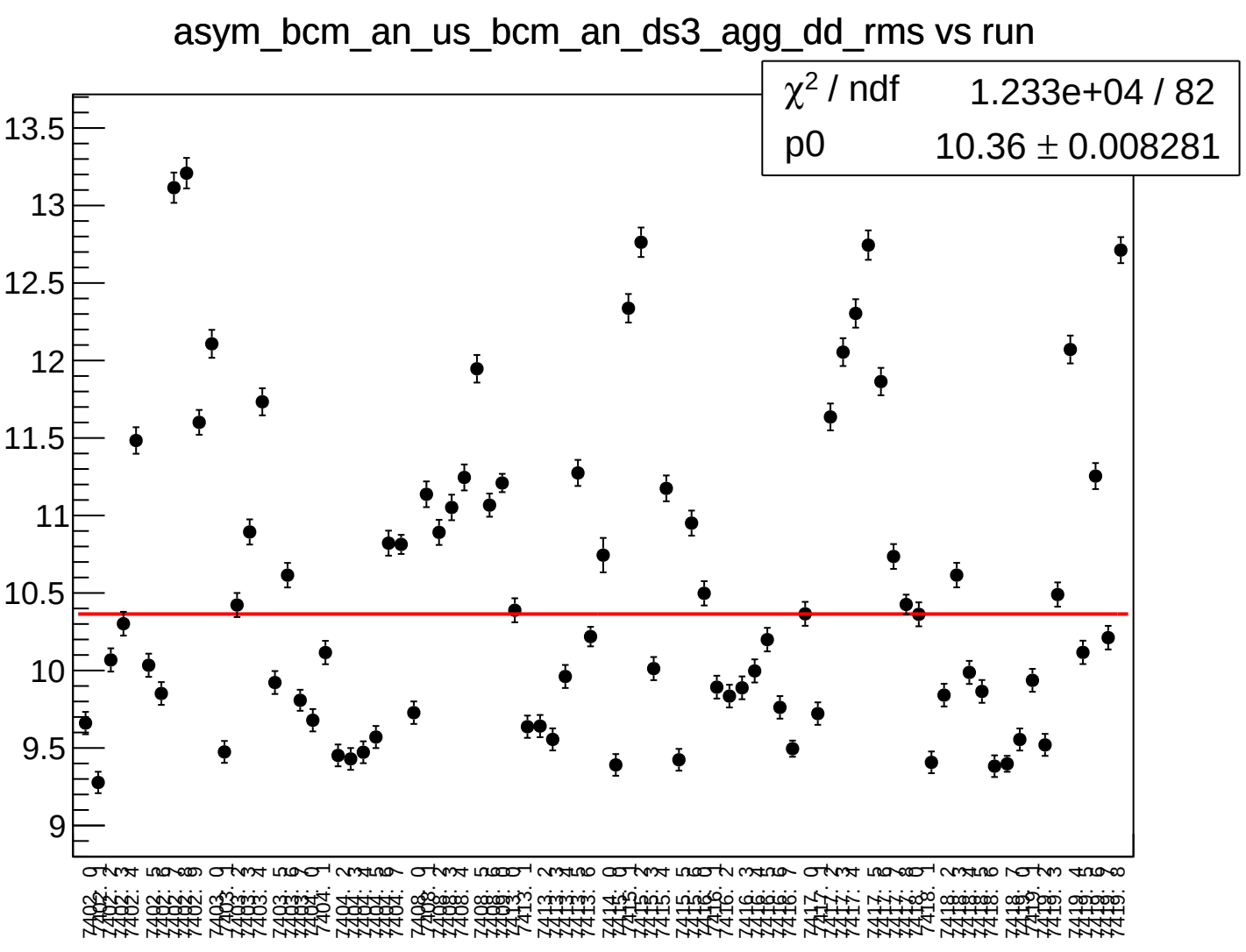

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 21.65 / 82
p0 400.8 ± 171.5
pull
Entries 83
Mean 63.07
Std Dev 0

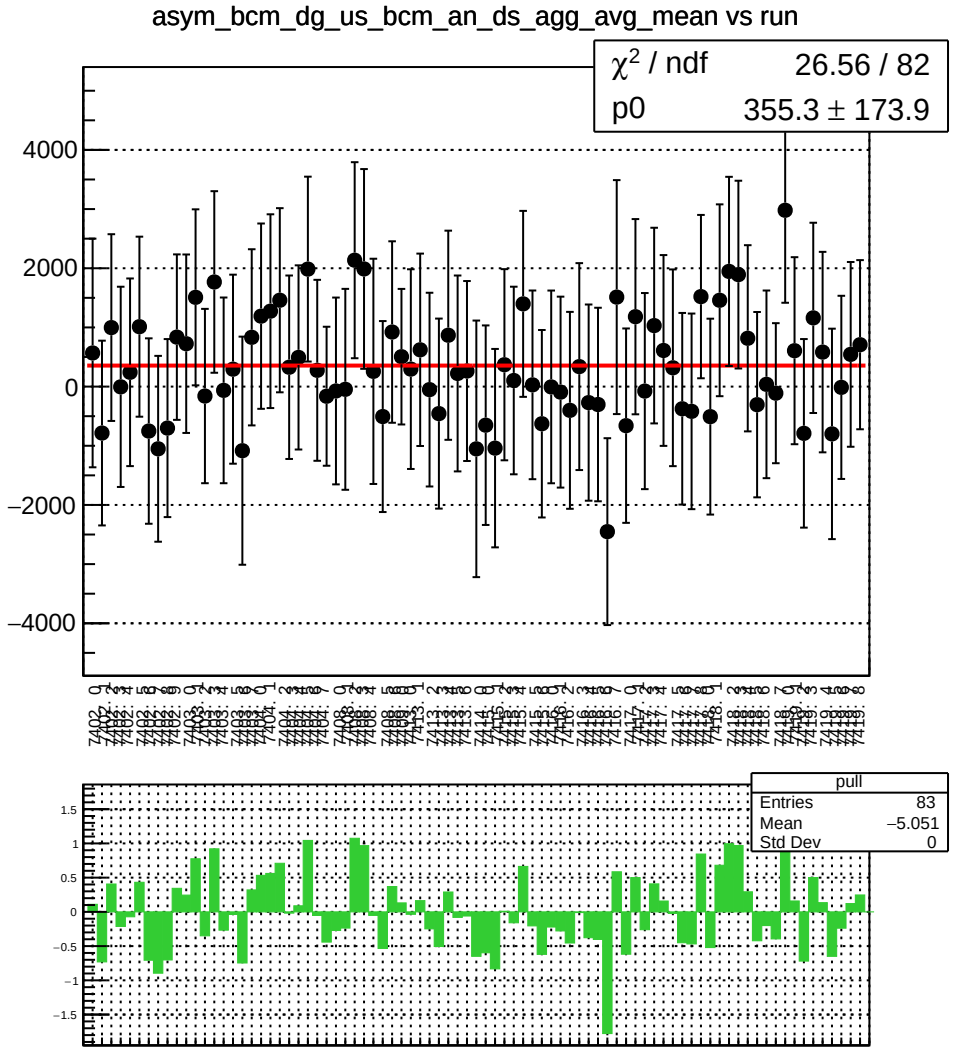

pull1D
Entries 83
Mean −0.002694
Std Dev 0.5108

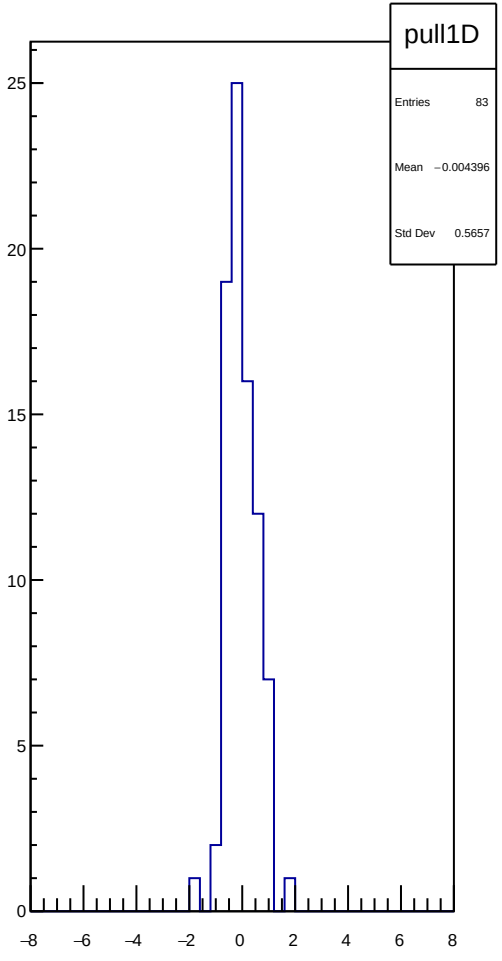

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 9262 / 82
p0 151.9 ± 0.1213
260
240
220
200
180
160
140

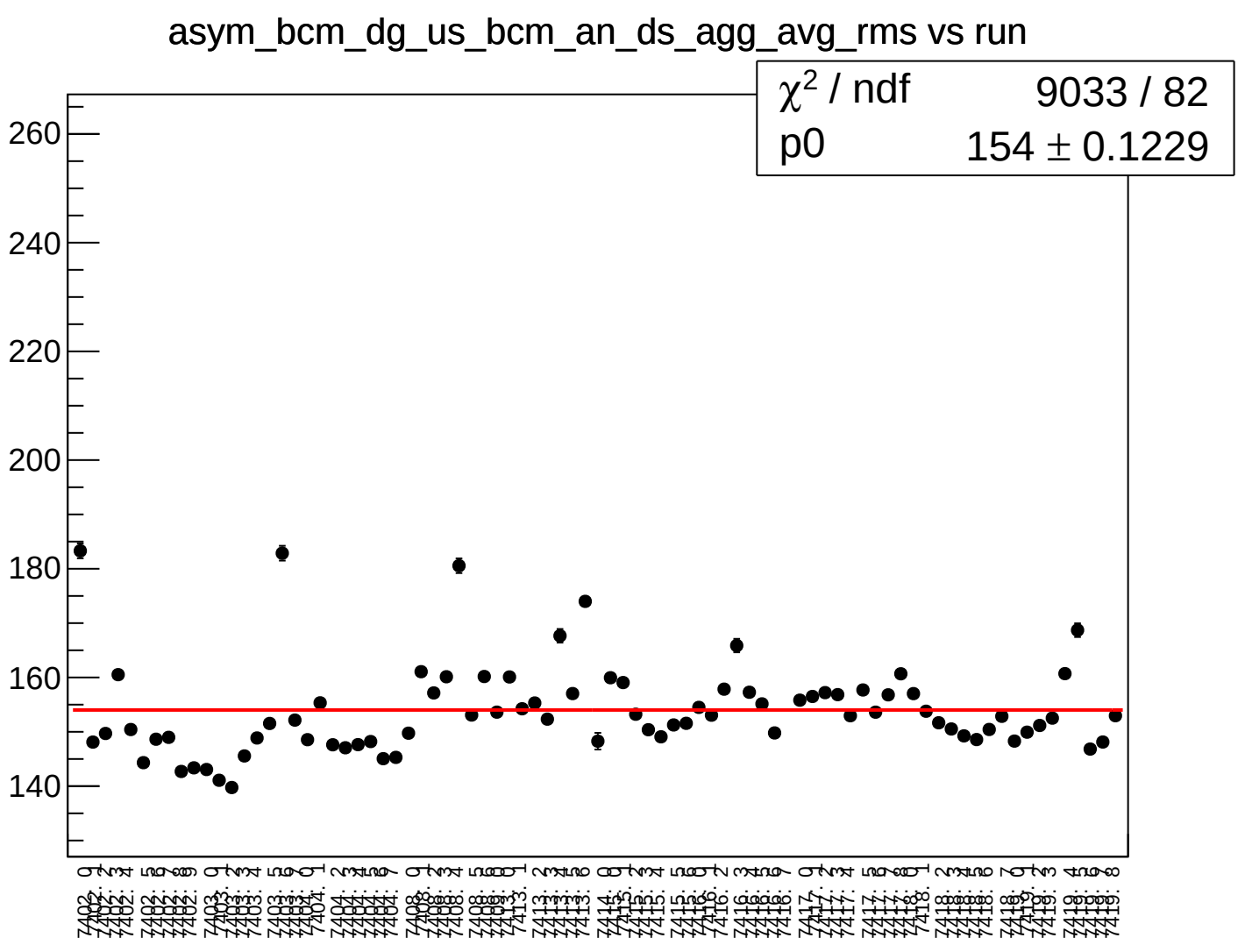

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 73.47 / 82
p0 −8.618 ± 11.71
pull
Entries 83
Mean 37.41
Std Dev 20.65


pull1D
Entries 83
Mean 0.0246
Std Dev 0.9405

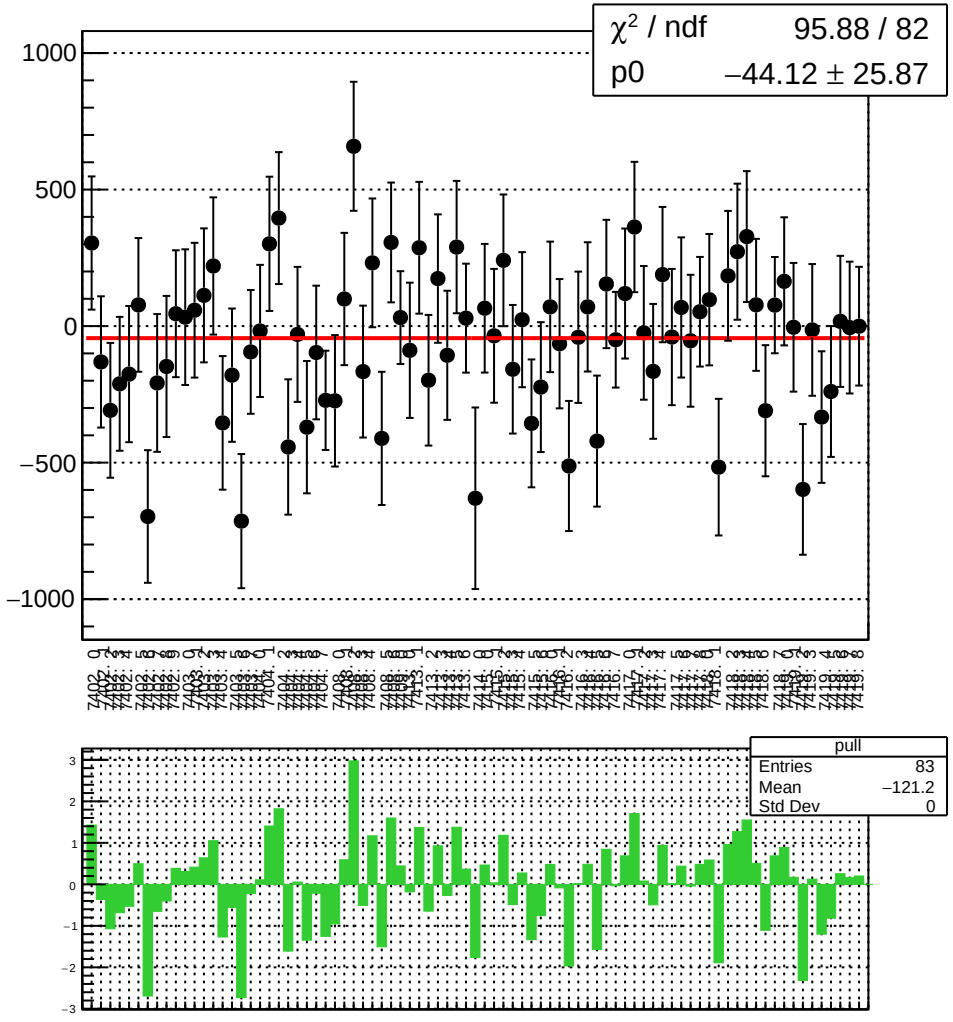

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.233e+04 / 82
p0 10.36 ± 0.008281
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9

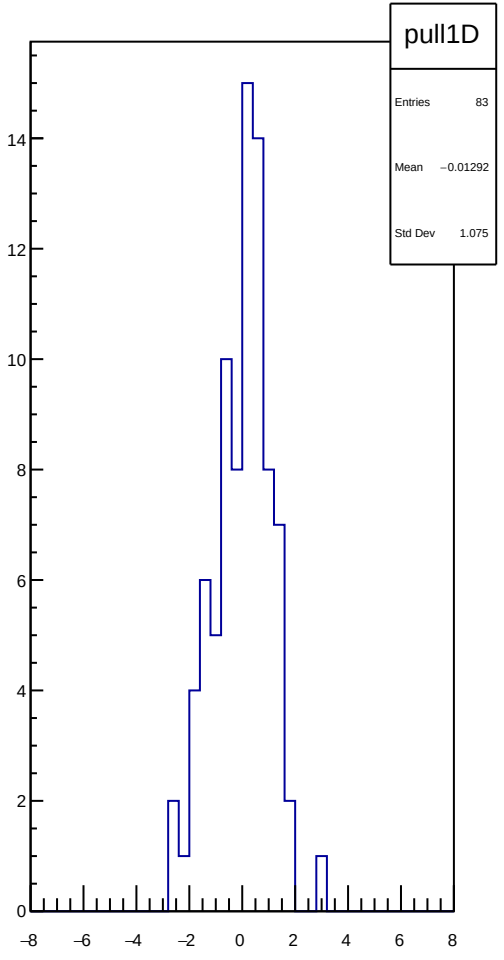

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 26.56 / 82
p0 355.3 ± 173.9
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −5.051
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

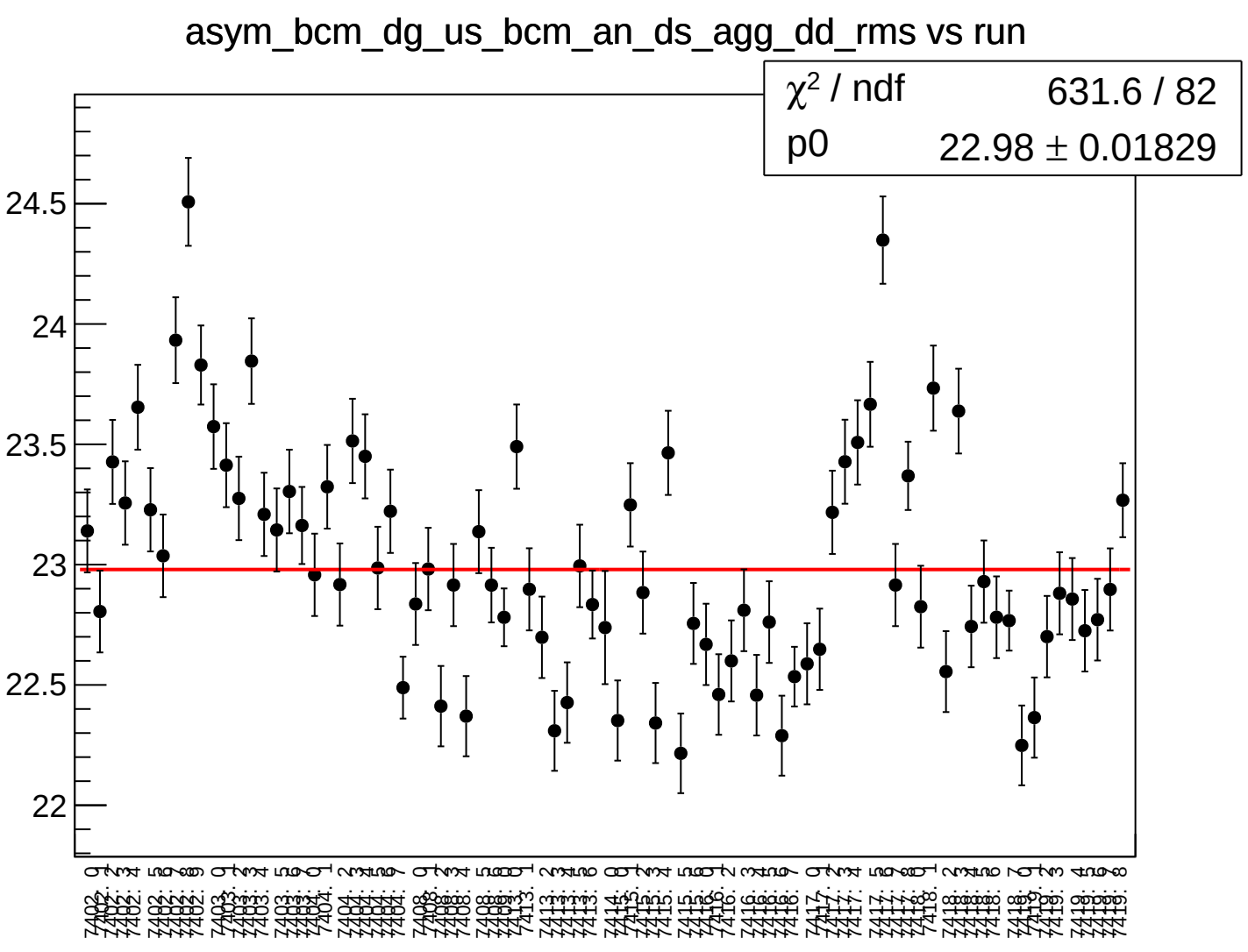

pull1D
Entries 83
Mean −0.004396
Std Dev 0.5657
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

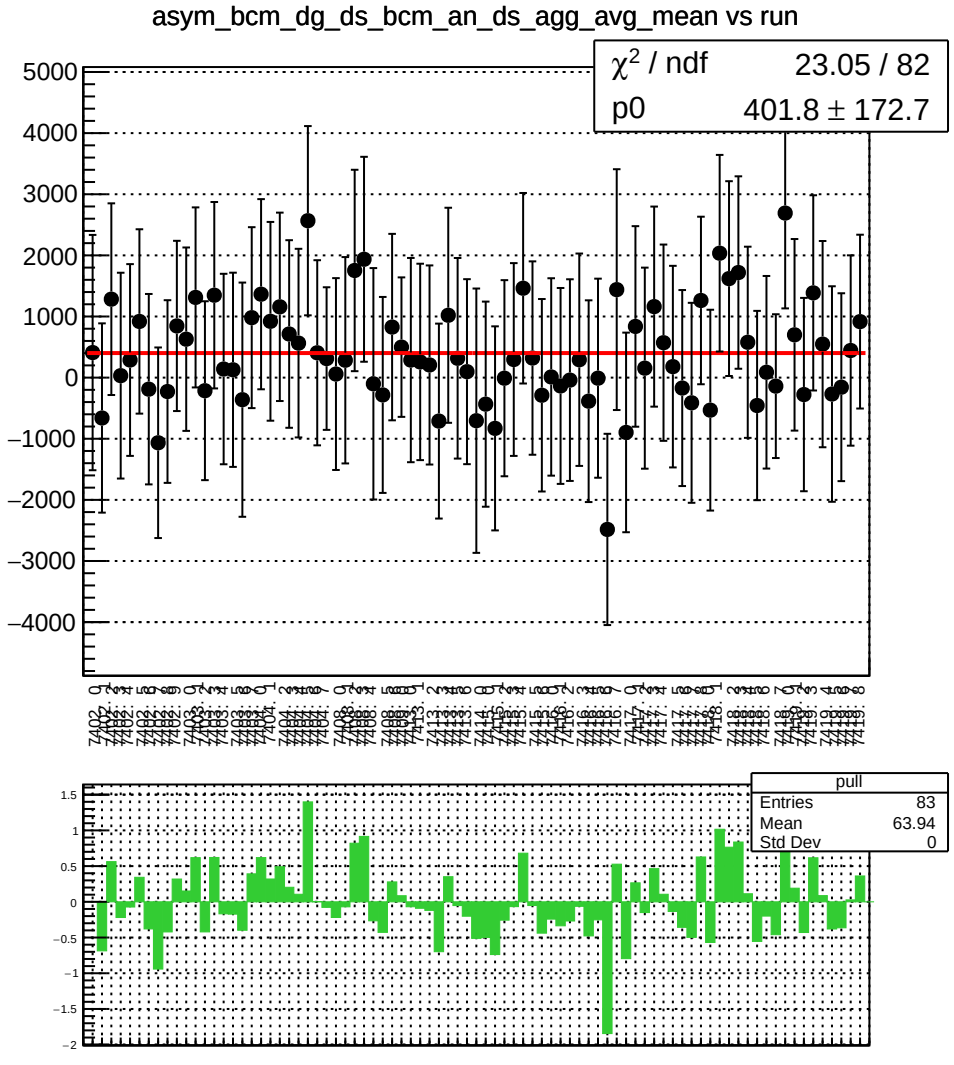

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9033 / 82
p0 154 ± 0.1229
260
240
220
200
180
160
140

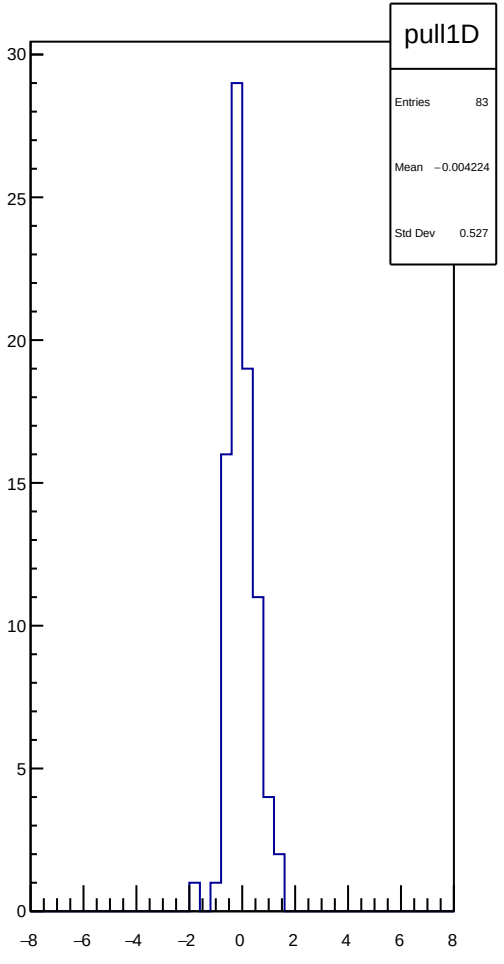
asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run

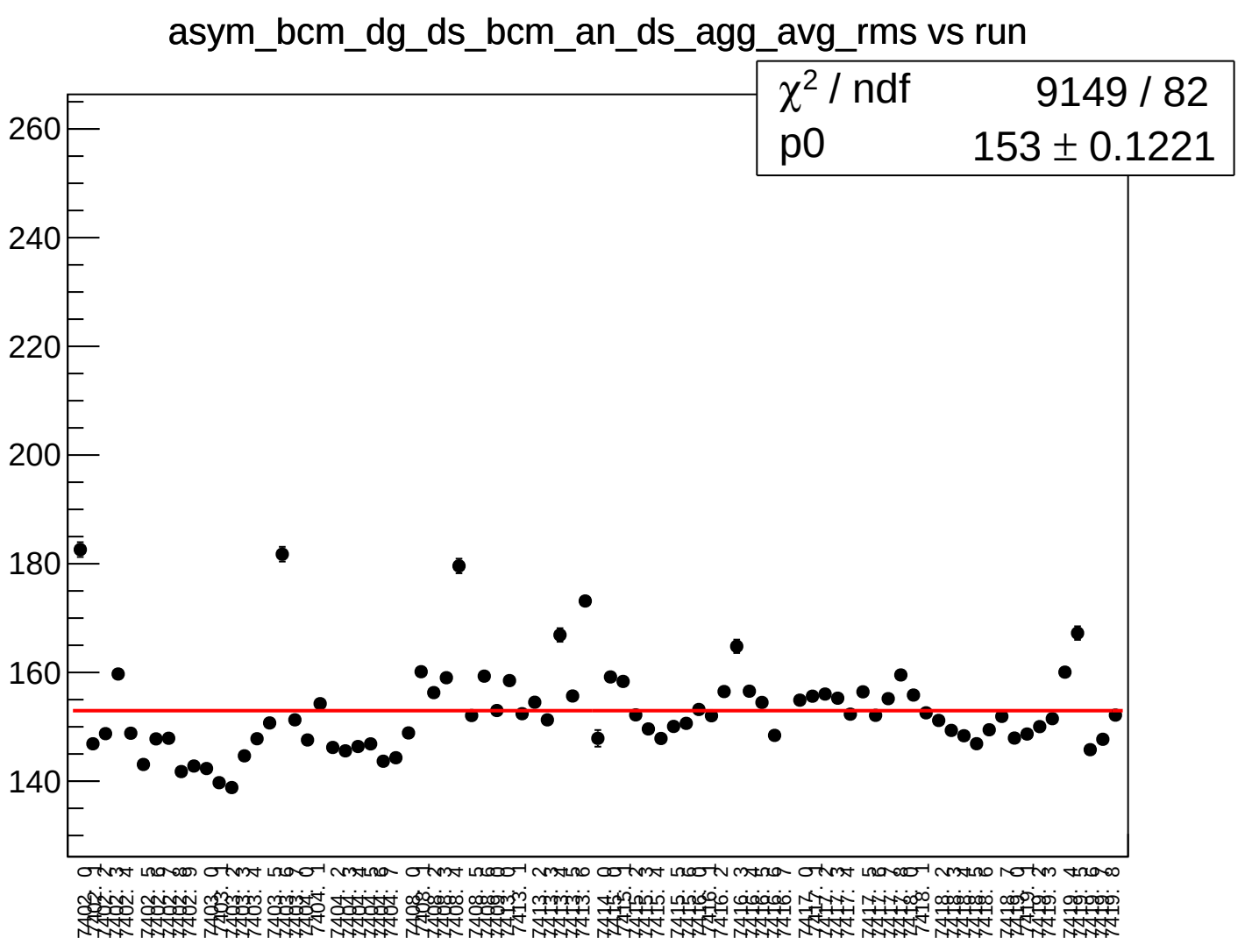


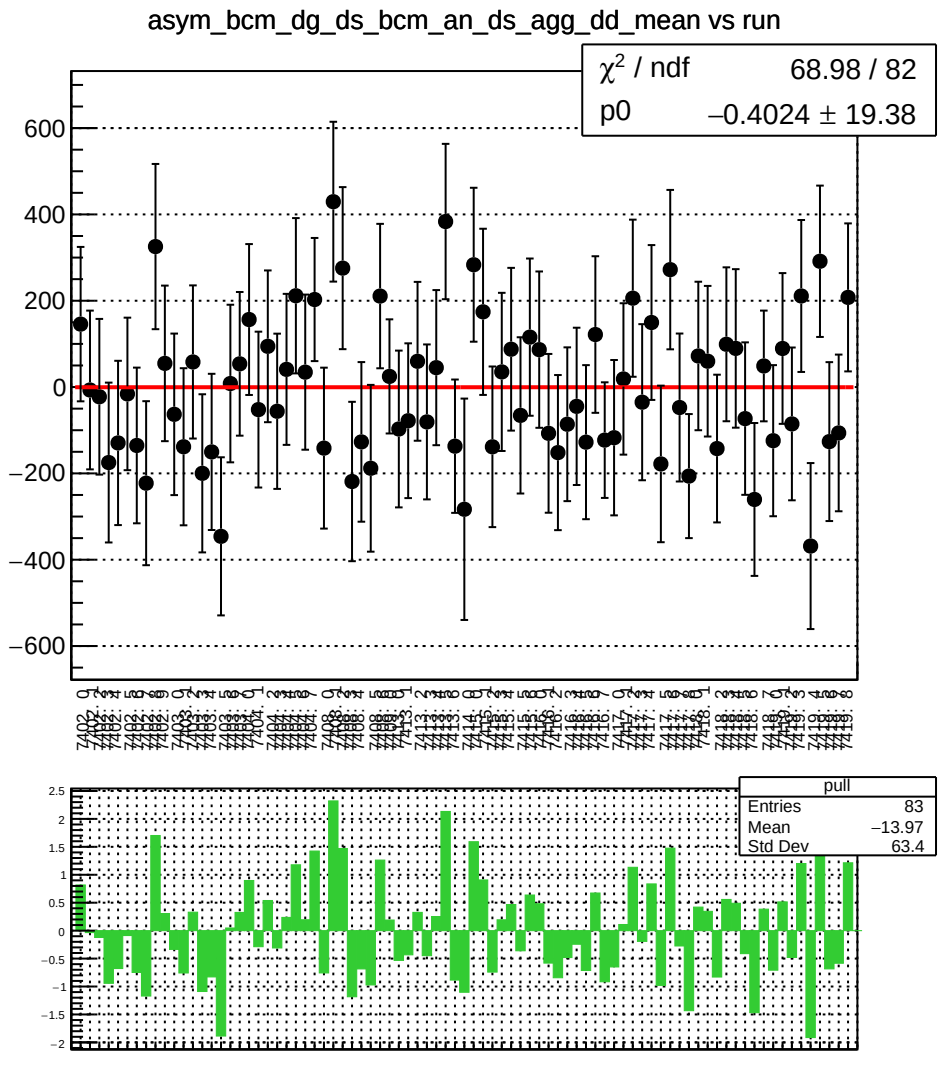


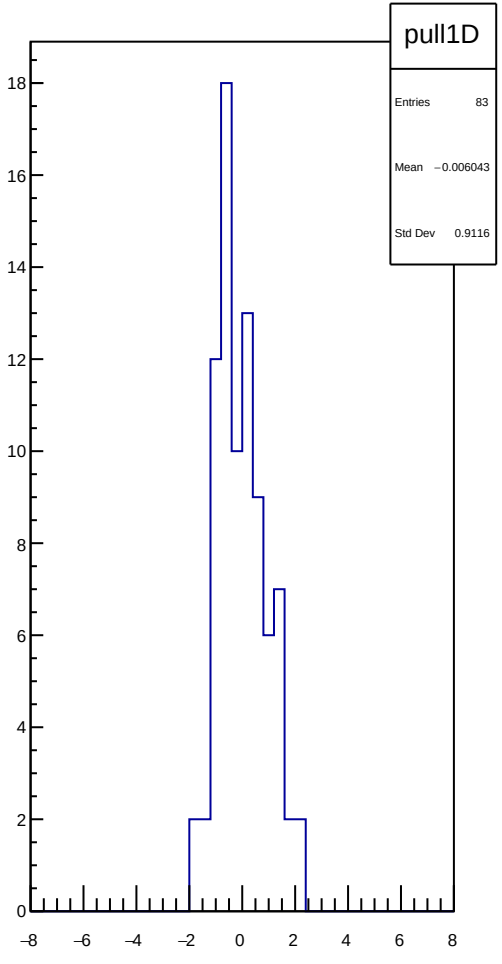

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 631.6 / 82
p0 22.98 ± 0.01829
24.5
24
23.5
23
22.5
22

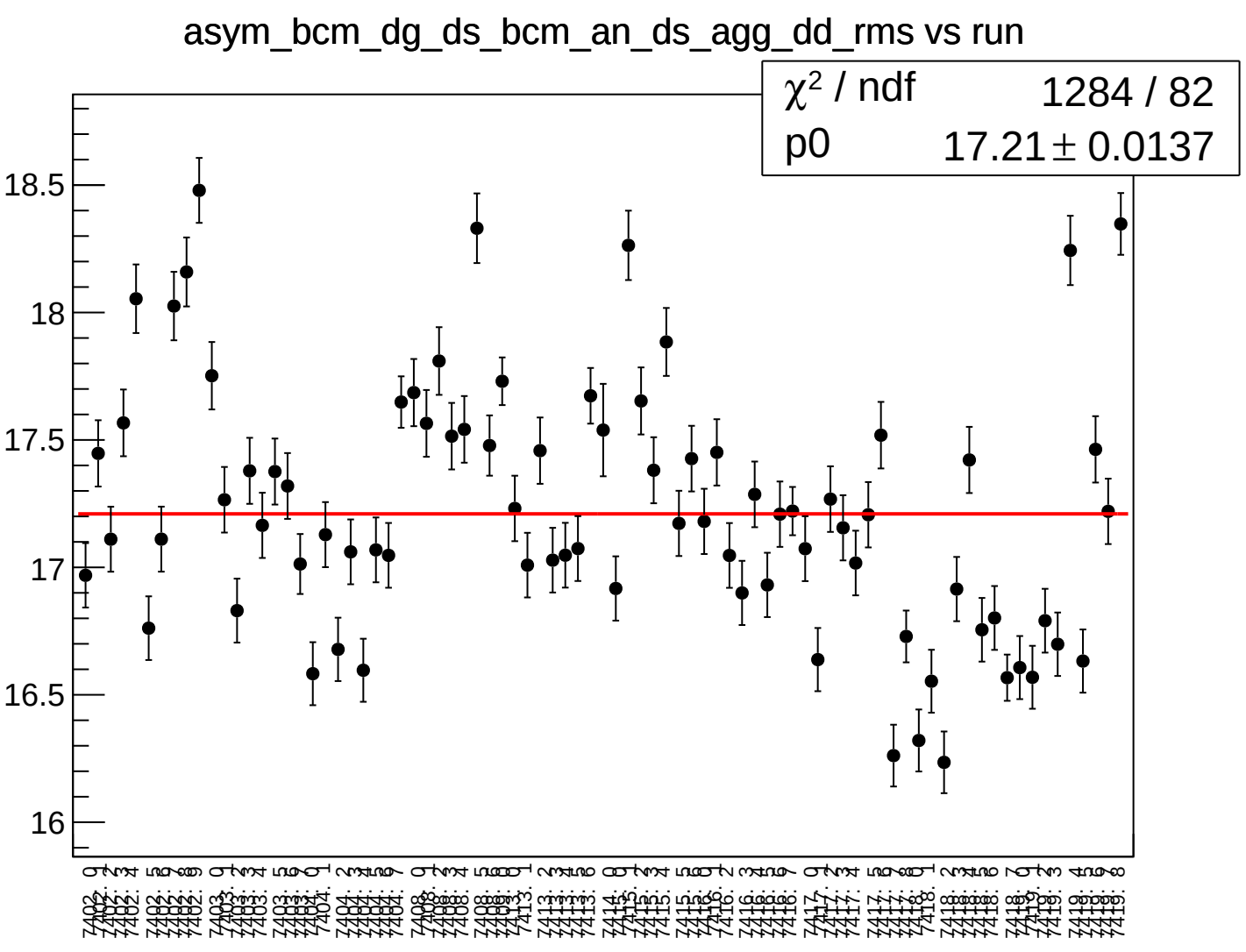

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 23.05 / 82
p0 401.8 ± 172.7
pull
Entries 83
Mean 63.94
Std Dev 0

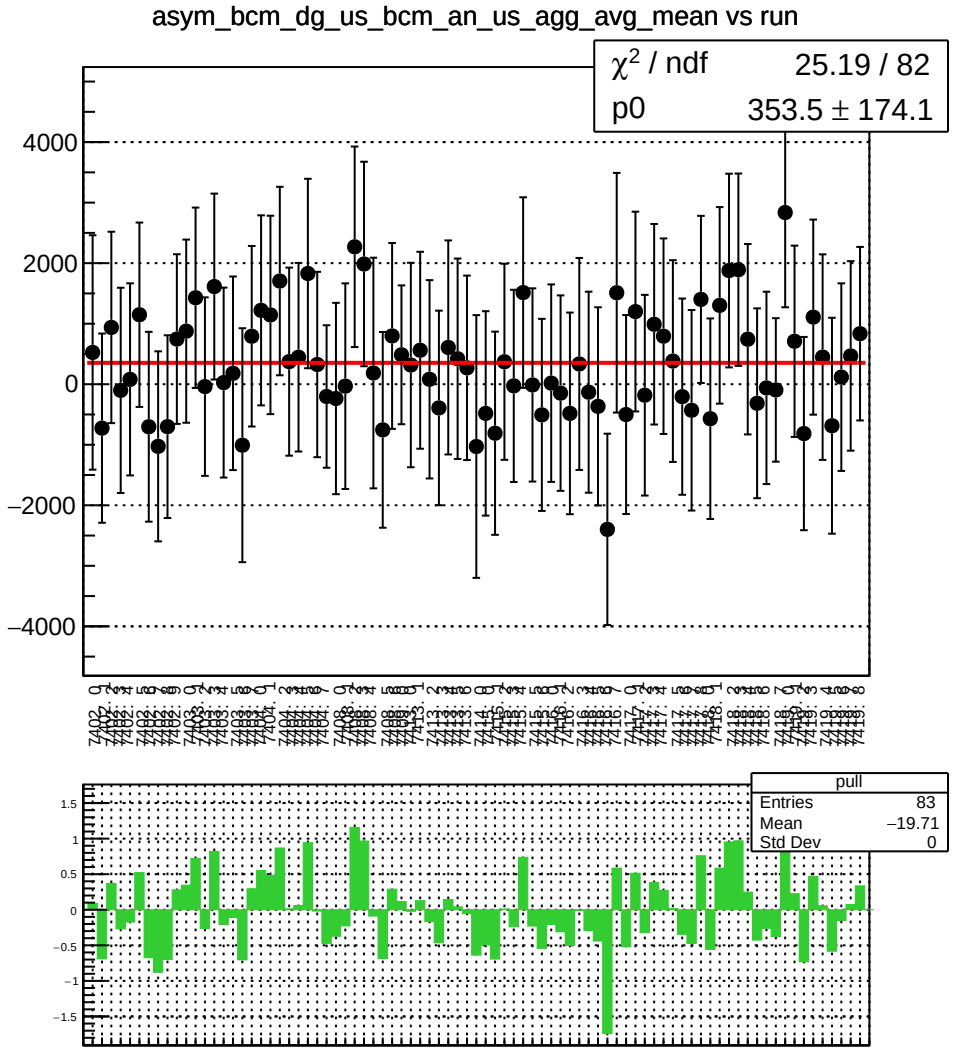

pull1D
Entries 83
Mean −0.004224
Std Dev 0.527

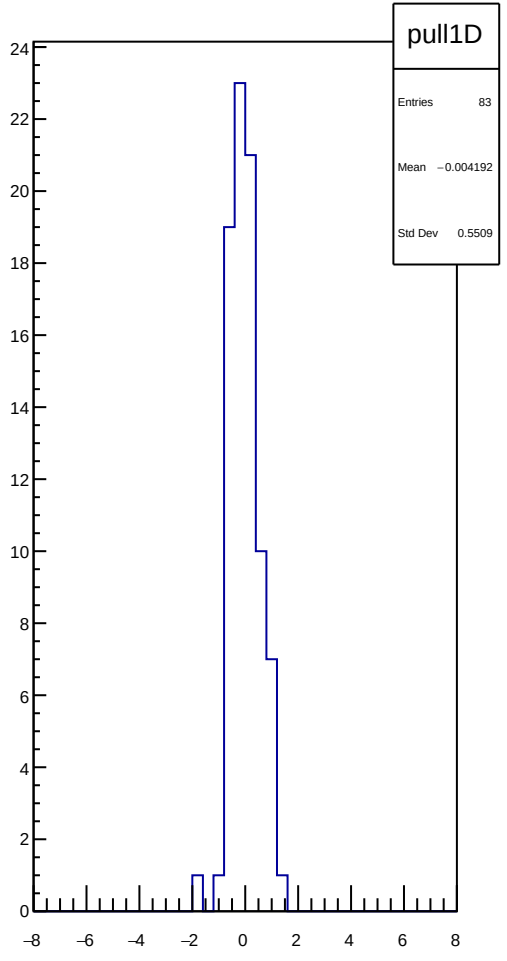

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9149 / 82
p0 153 ± 0.1221
260
240
220
200
180
160
140

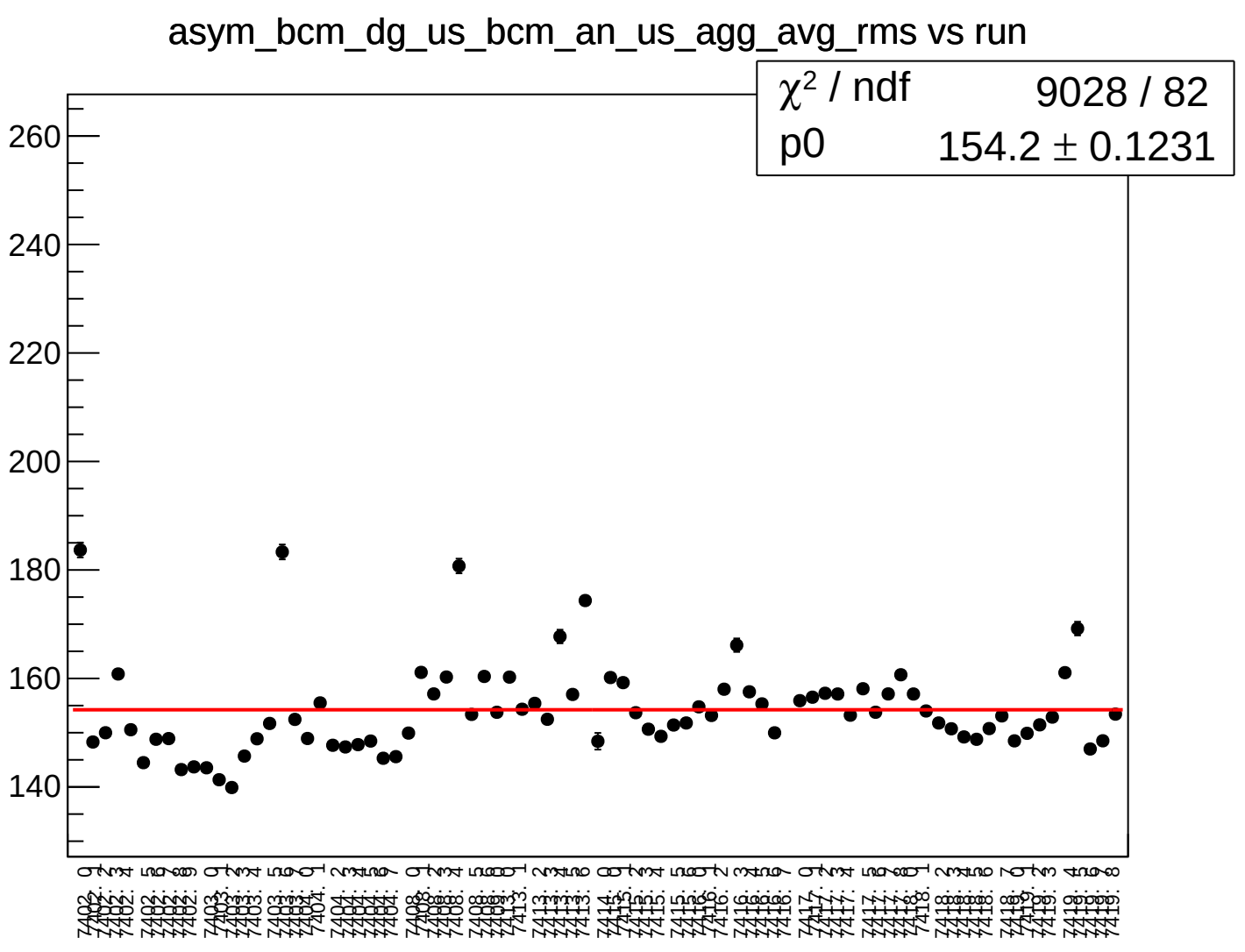

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 68.98 / 82
p0 −0.4024 ± 19.38
pull
Entries 83
Mean −13.97
Std Dev 63.4

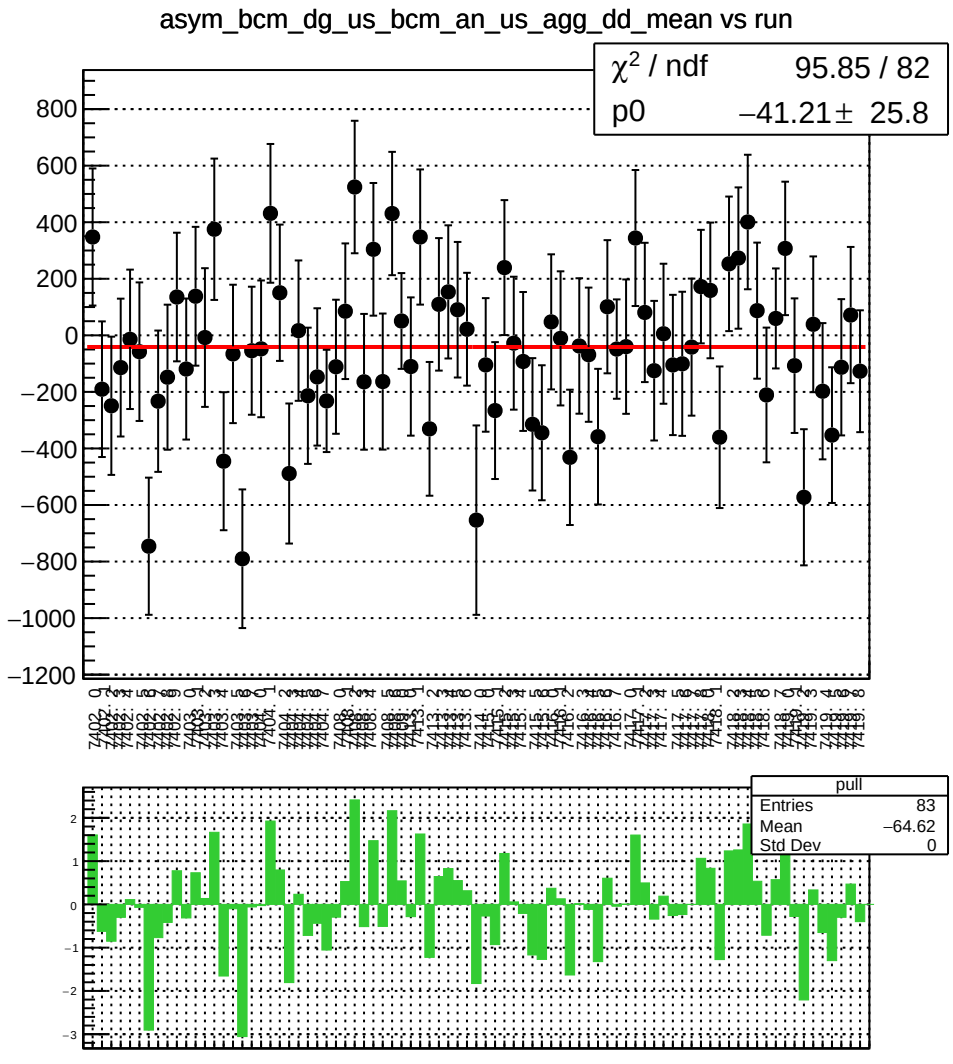

pull1D
Entries 83
Mean −0.006043
Std Dev 0.9116

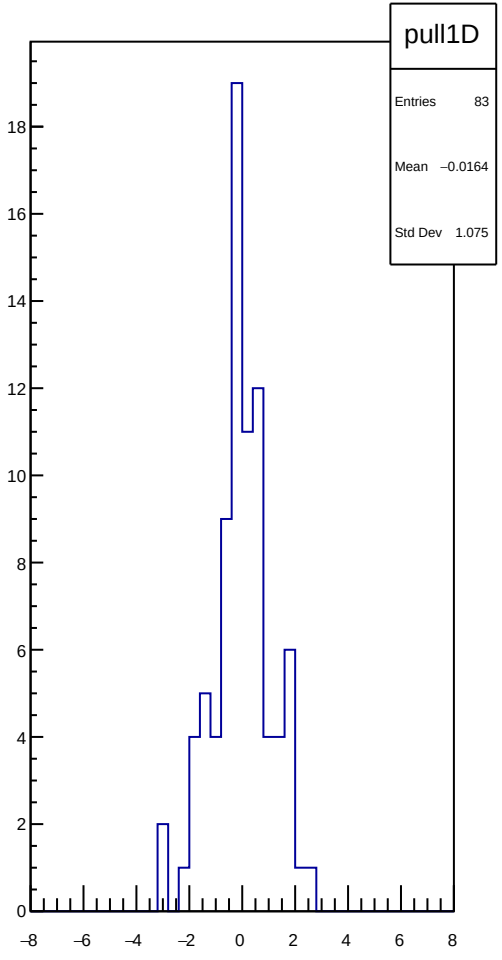

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1284 / 82
p0 17.21 ± 0.0137
18.5
18
17.5
17
16.5
16

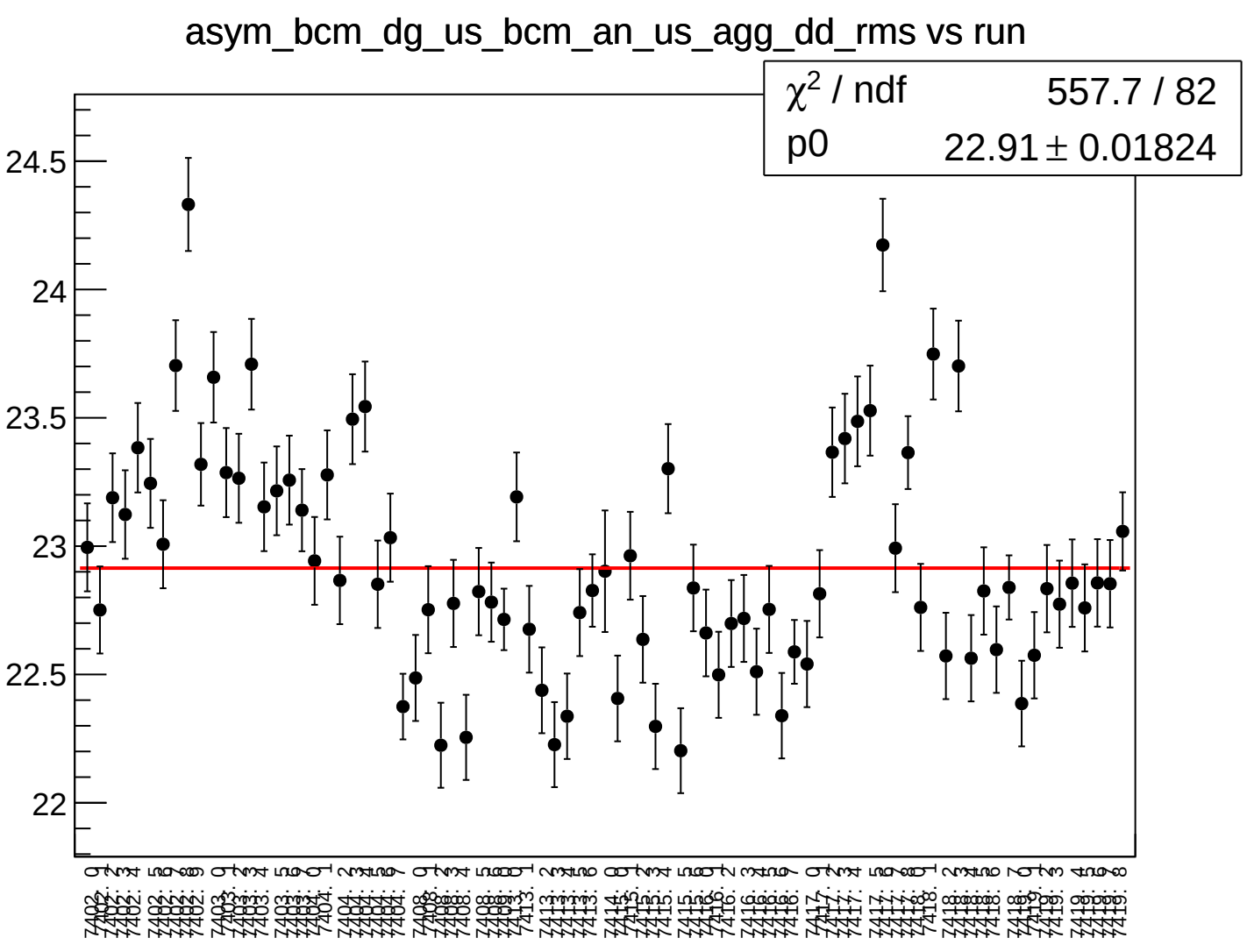

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 25.19 / 82
p0 353.5 ± 174.1
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −19.71
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

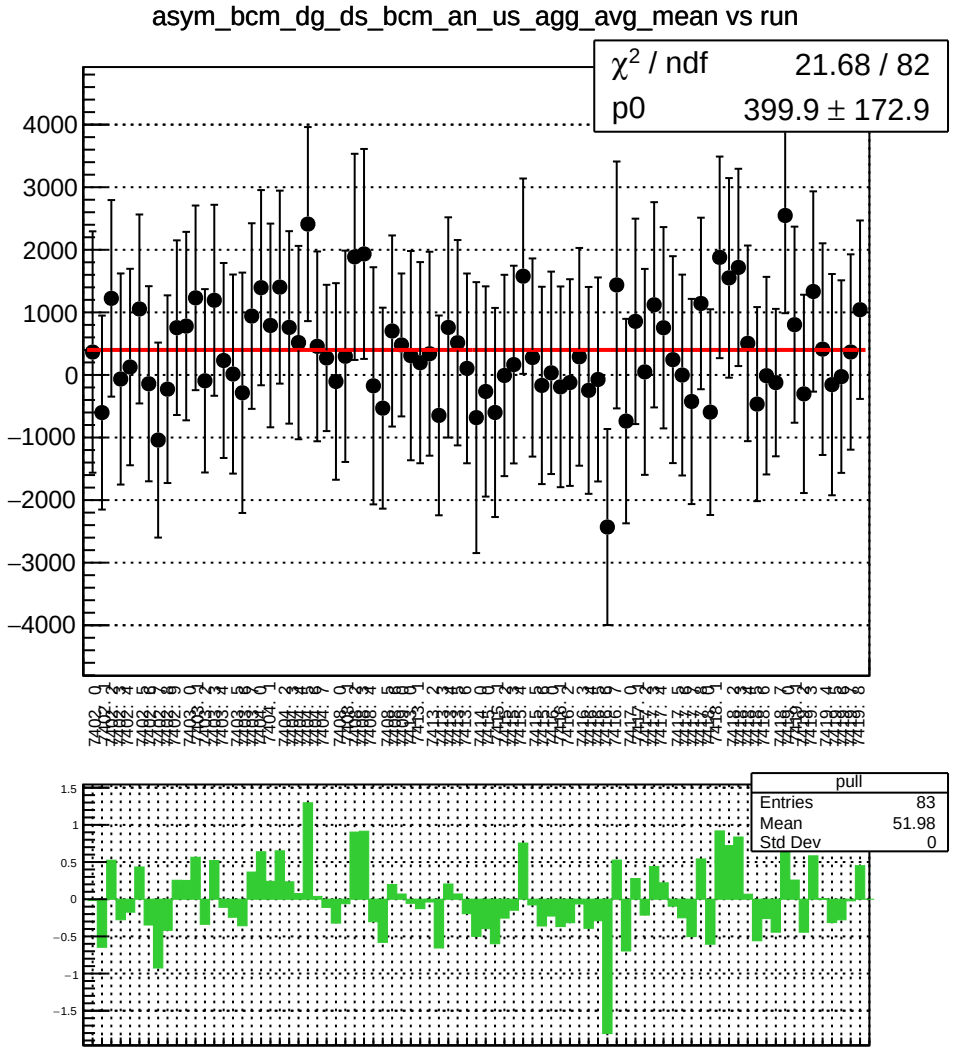

pull1D
Entries 83
Mean −0.004192
Std Dev 0.5509
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

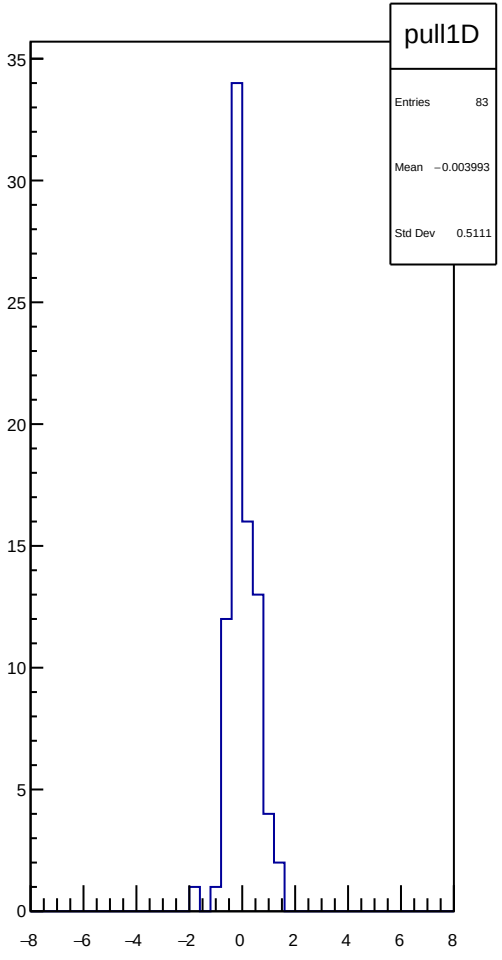

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9028 / 82
p0 154.2 ± 0.1231
260
240
220
200
180
160
140

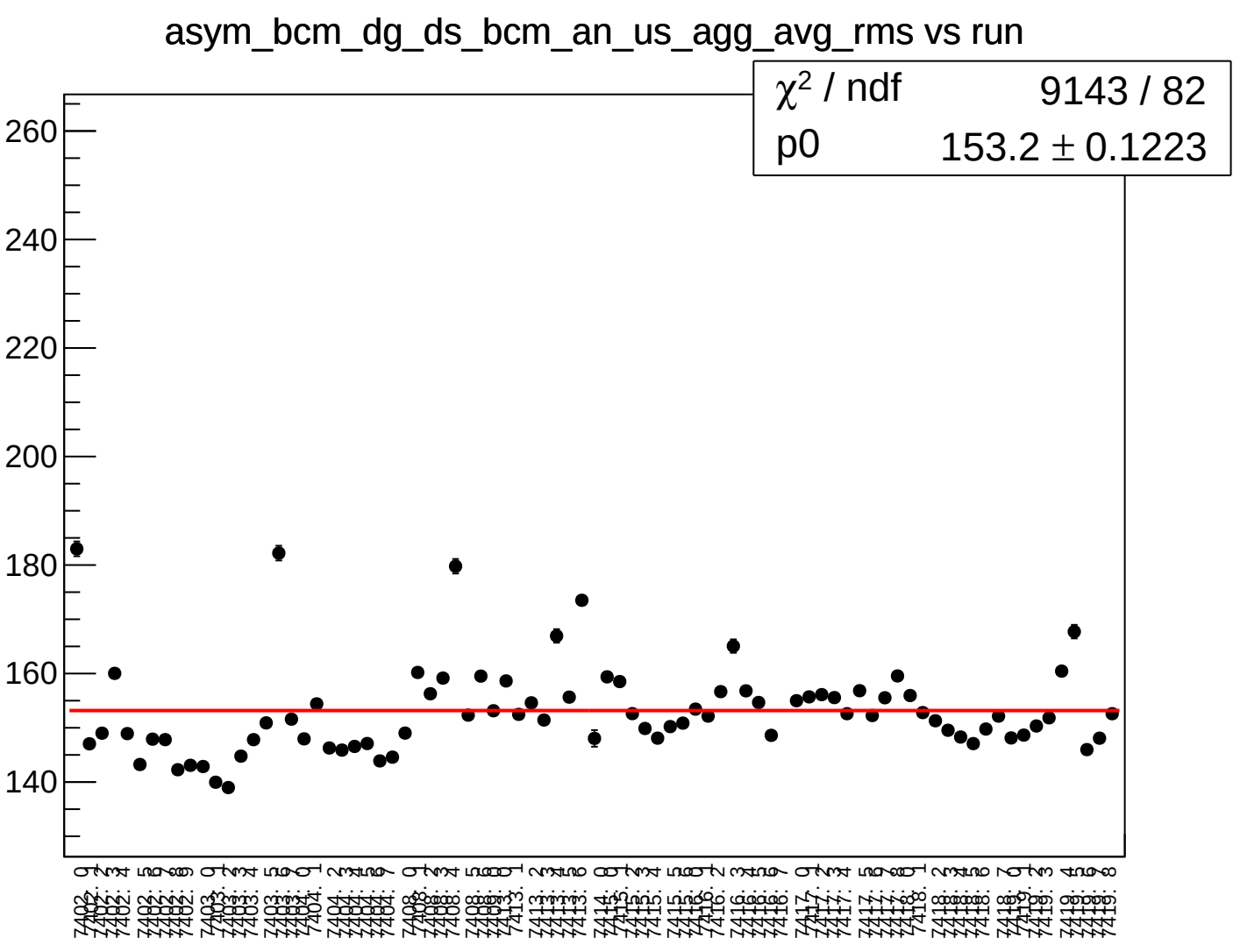

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 95.85 / 82
p0 −41.21 ± 25.8
pull
Entries 83
Mean −64.62
Std Dev 0

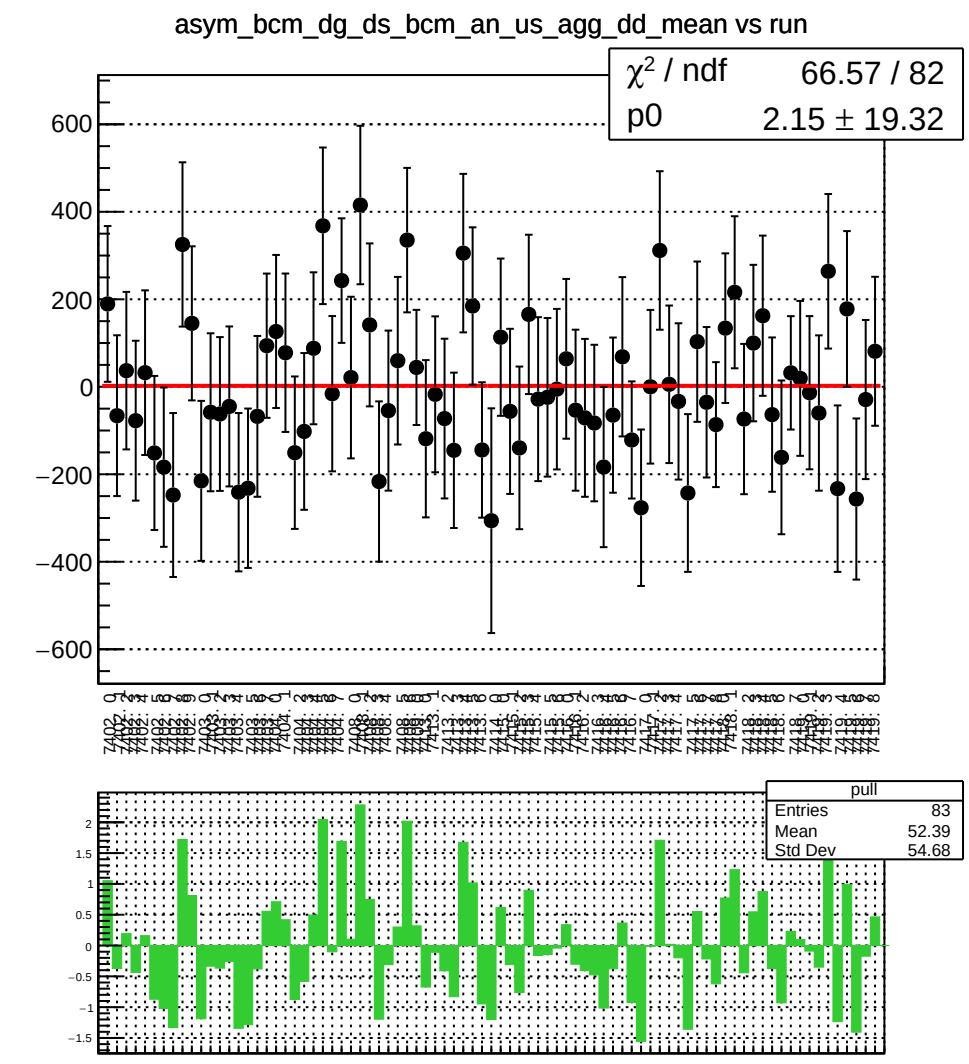

pull1D
Entries 83
Mean −0.0164
Std Dev 1.075

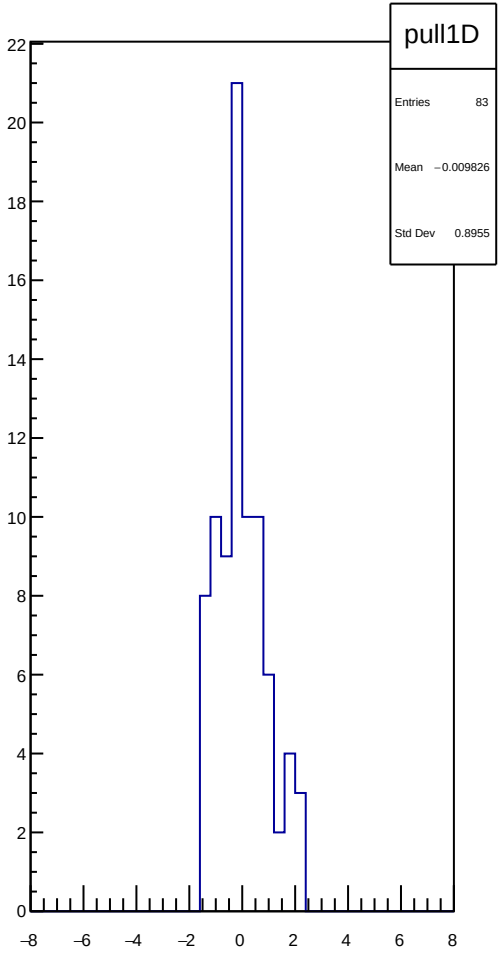

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 557.7 / 82
p0 22.91 ± 0.01824
24.5
24
23.5
23
22.5
22

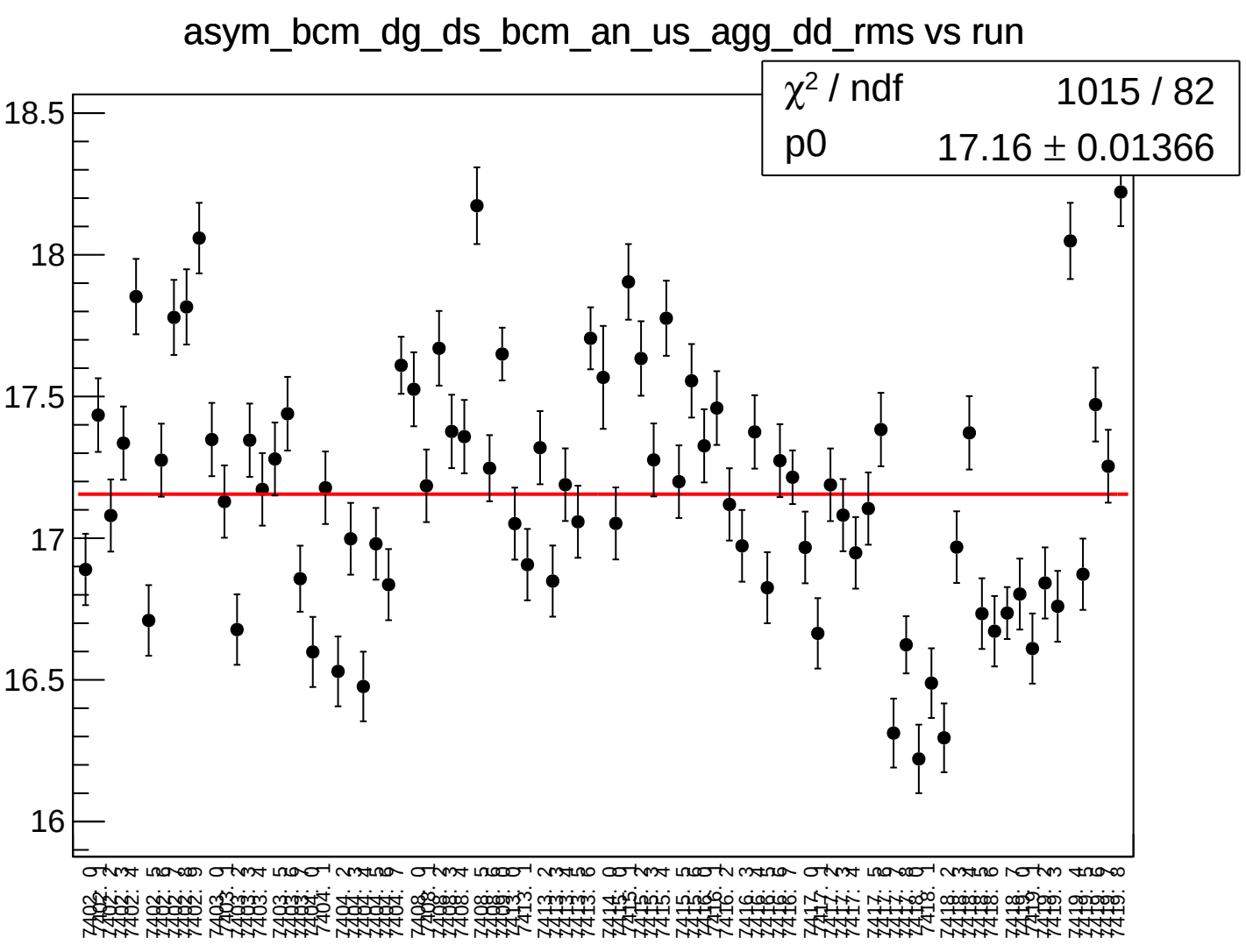

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 21.68 / 82
p0 399.9 ± 172.9
pull
Entries 83
Mean 51.98
Std Dev 0

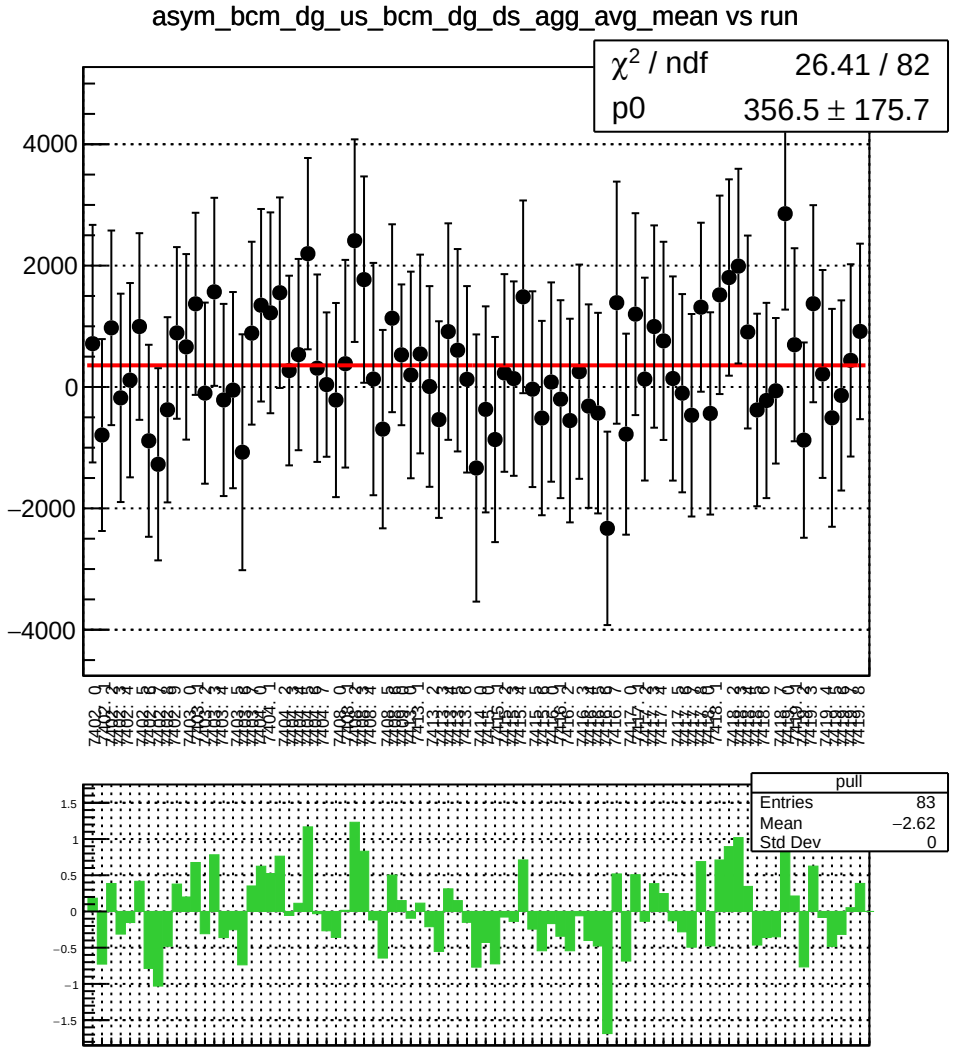

pull1D
Entries 83
Mean −0.003993
Std Dev 0.5111

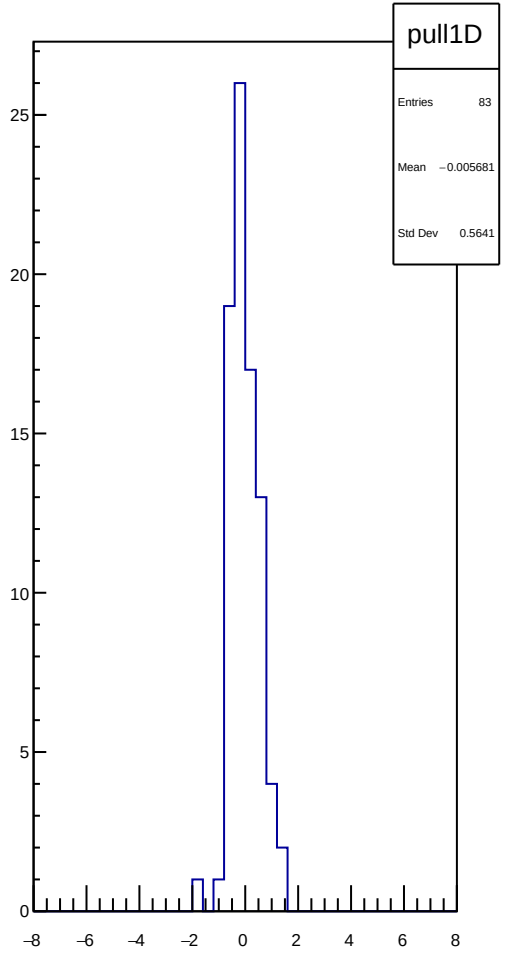

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9143 / 82
p0 153.2 ± 0.1223
260
240
220
200
180
160
140

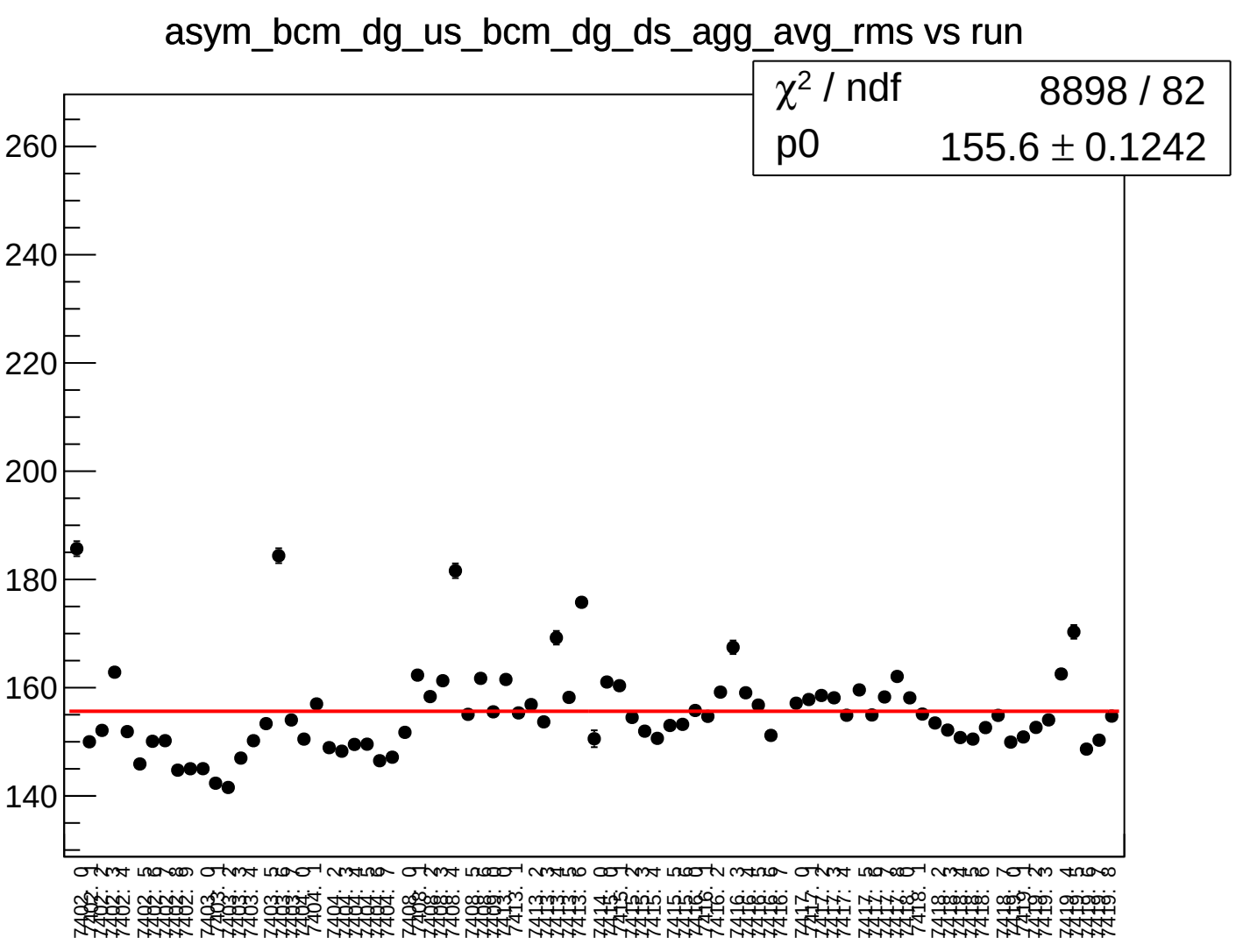

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 66.57 / 82
p0 2.15 ± 19.32
pull
Entries 83
Mean 52.39
Std Dev 54.68

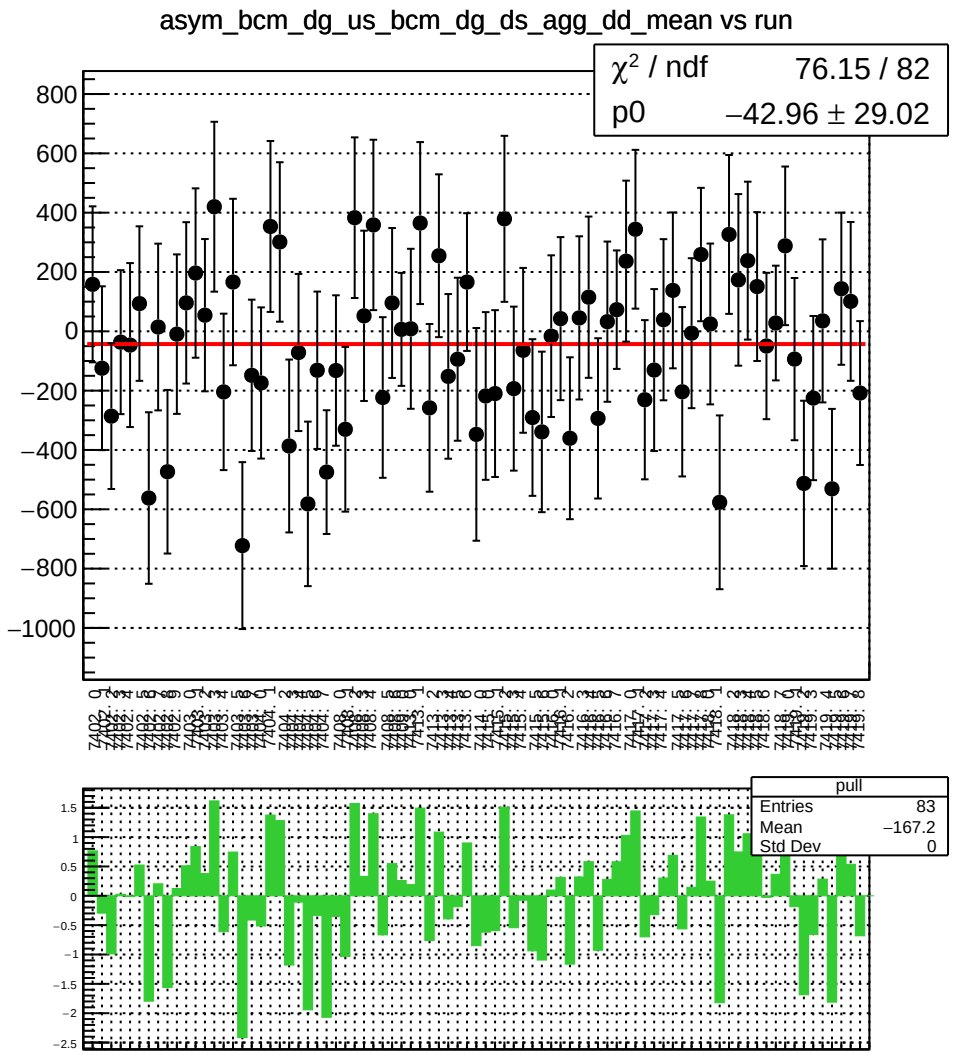

pull1D
Entries 83
Mean −0.009826
Std Dev 0.8955

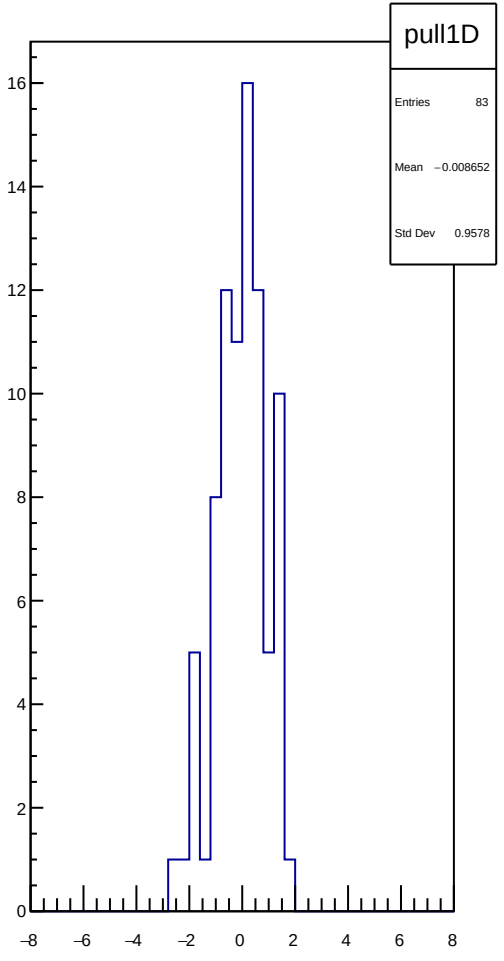

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1015 / 82
p0 17.16 ± 0.01366
18.5
18
17.5
17
16.5
16

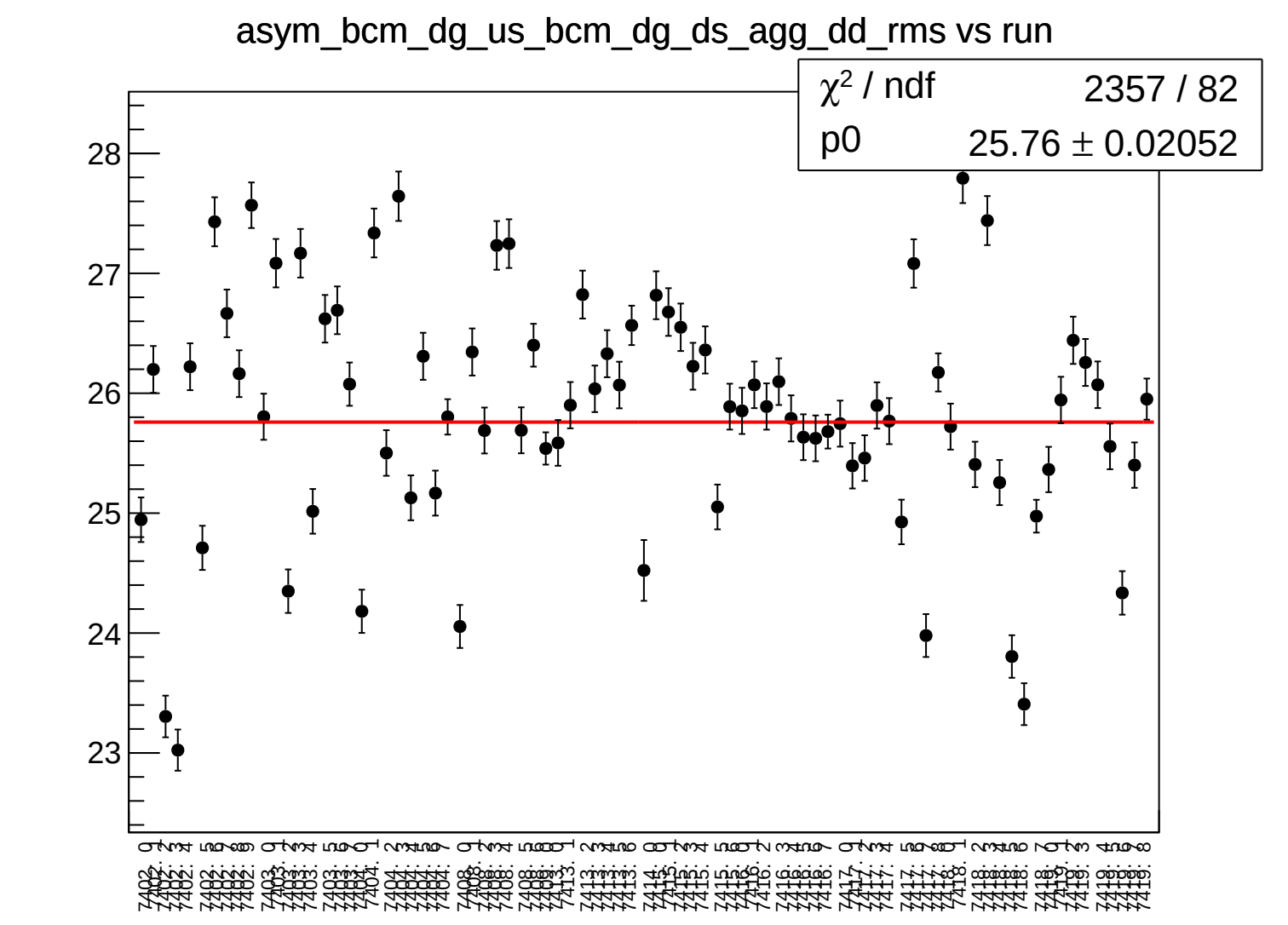

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 26.41 / 82
p0 356.5 ± 175.7
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −2.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

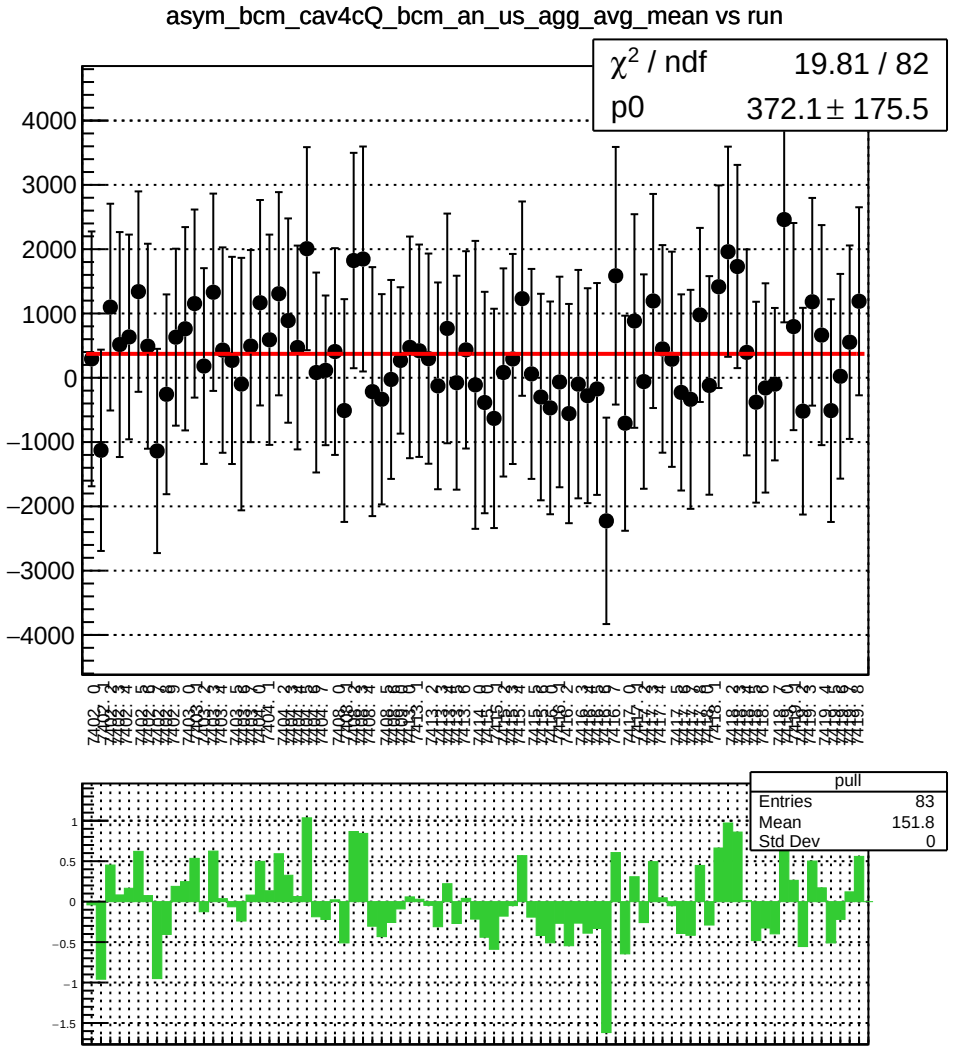

pull1D
Entries 83
Mean −0.005681
Std Dev 0.5641
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

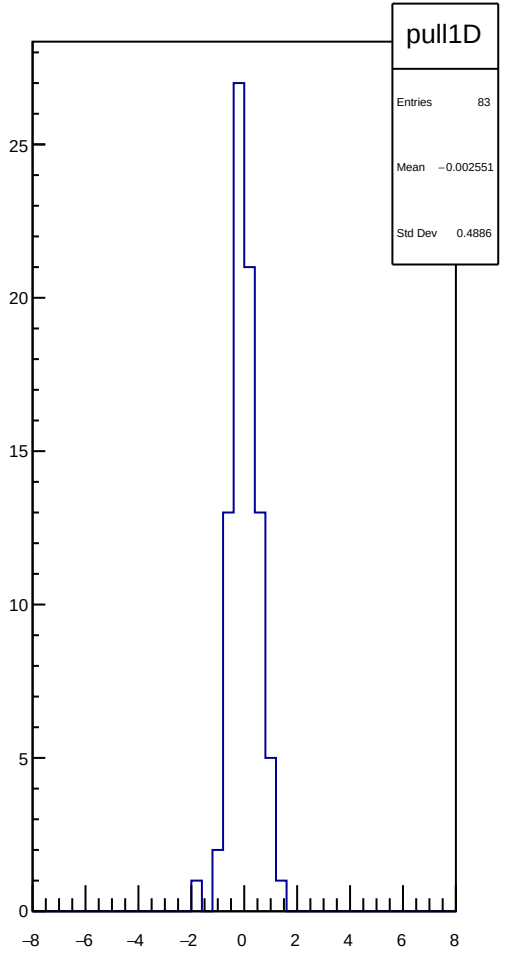

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 8898 / 82
p0 155.6 ± 0.1242
260
240
220
200
180
160
140

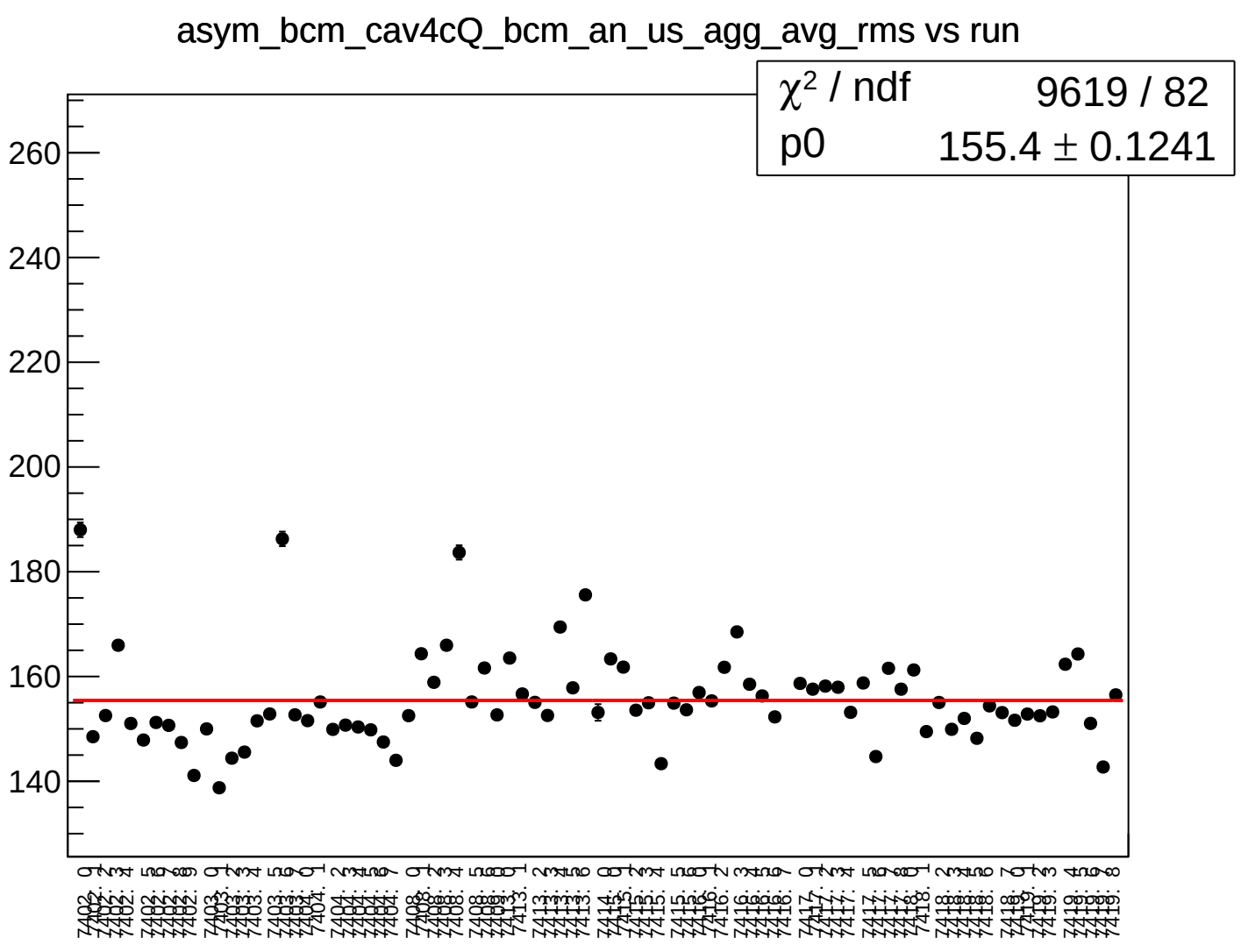

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 76.15 / 82
p0 −42.96 ± 29.02
pull
Entries 83
Mean −167.2
Std Dev 0

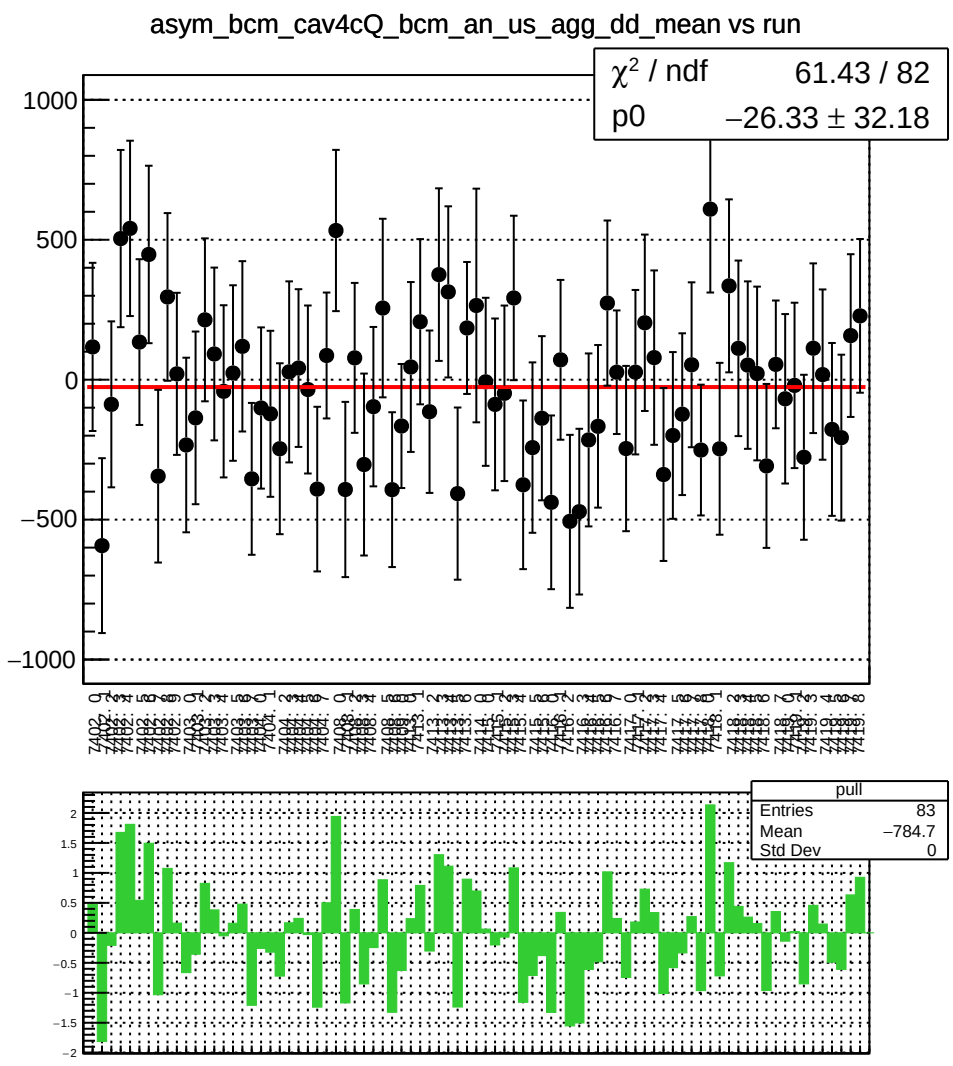

pull1D
Entries 83
Mean −0.008652
Std Dev 0.9578

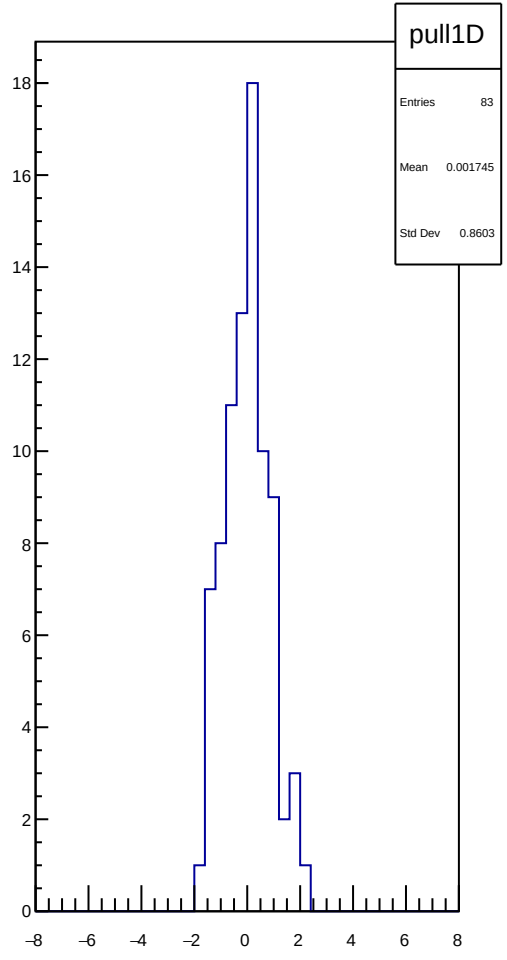

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2357 / 82
p0 25.76 ± 0.02052
28
27
26
25
24
23

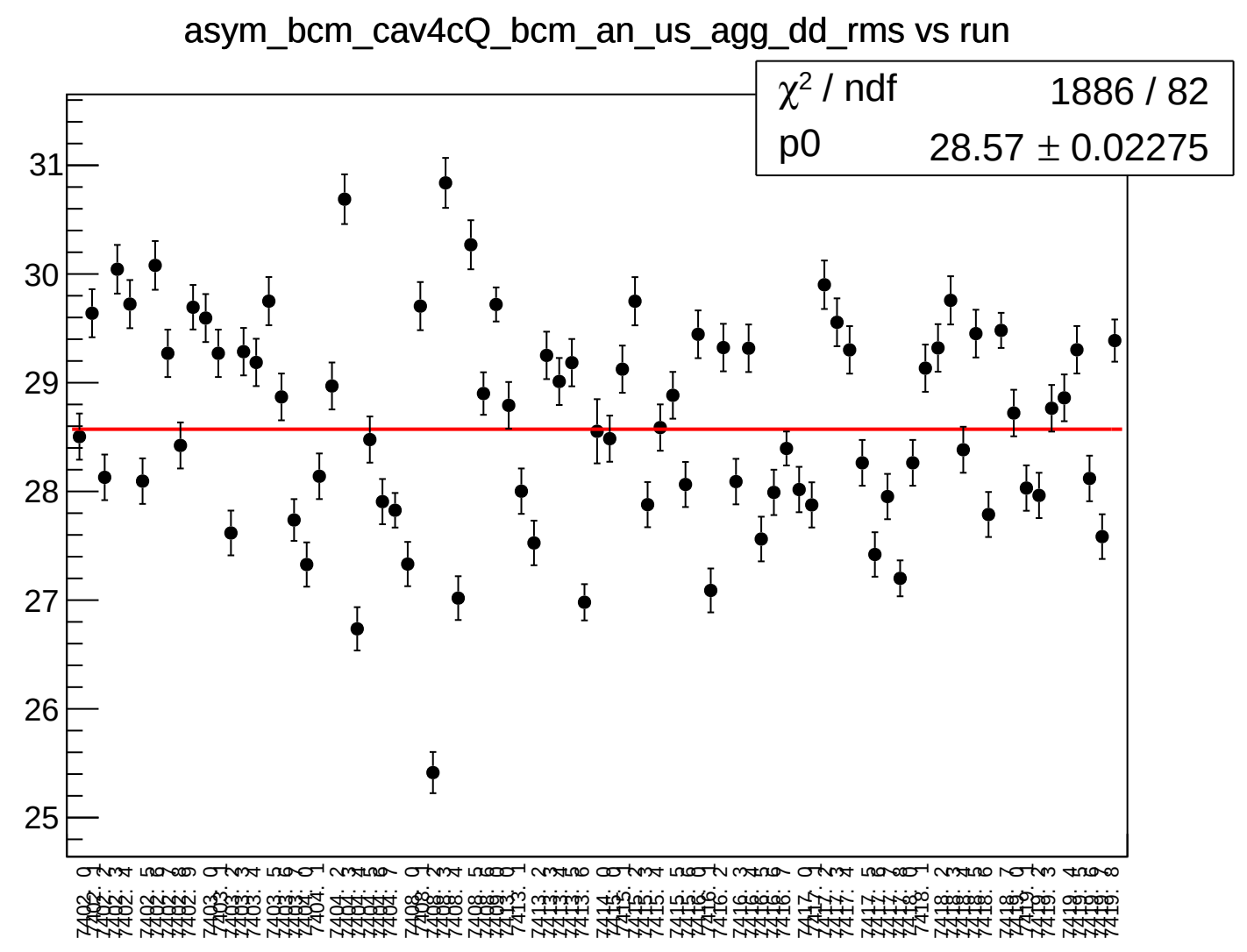

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 19.81 / 82
p0 372.1 ± 175.5
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 83
Mean 151.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

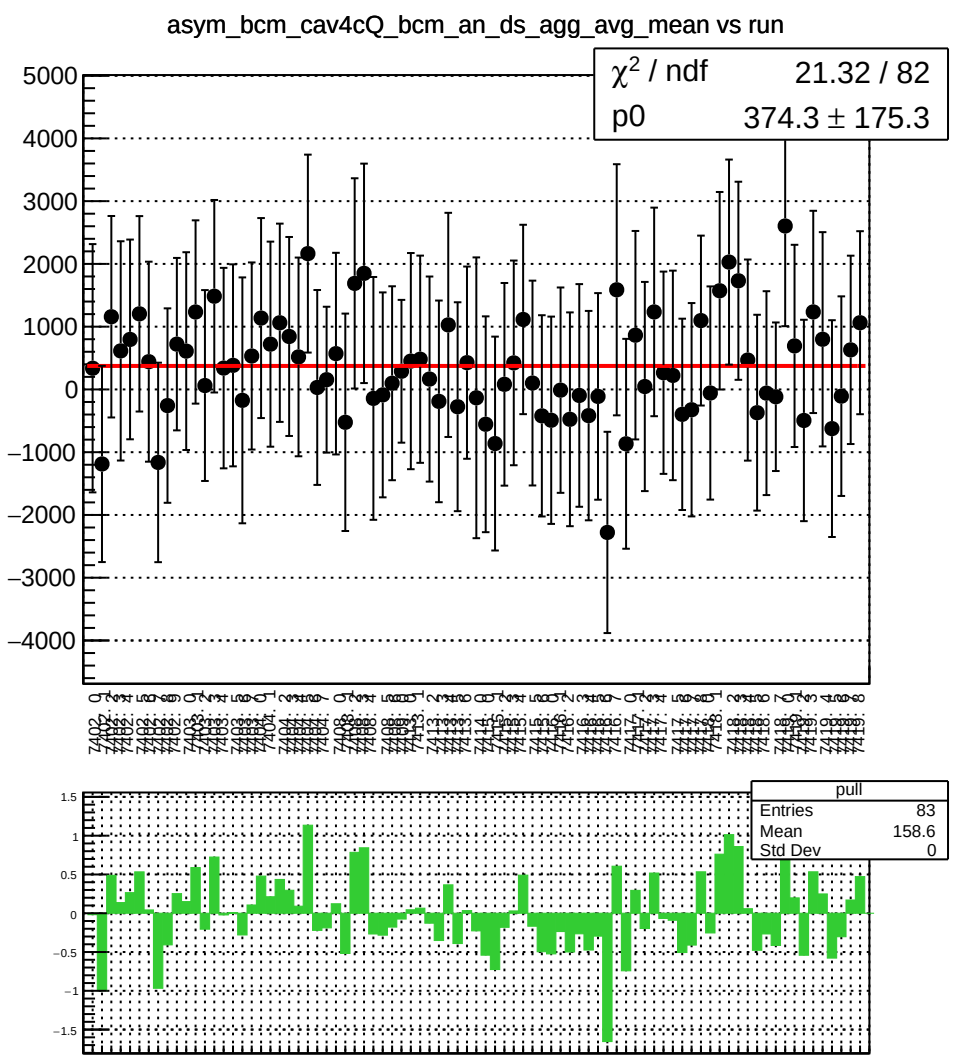

pull1D
Entries 83
Mean −0.002551
Std Dev 0.4886
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

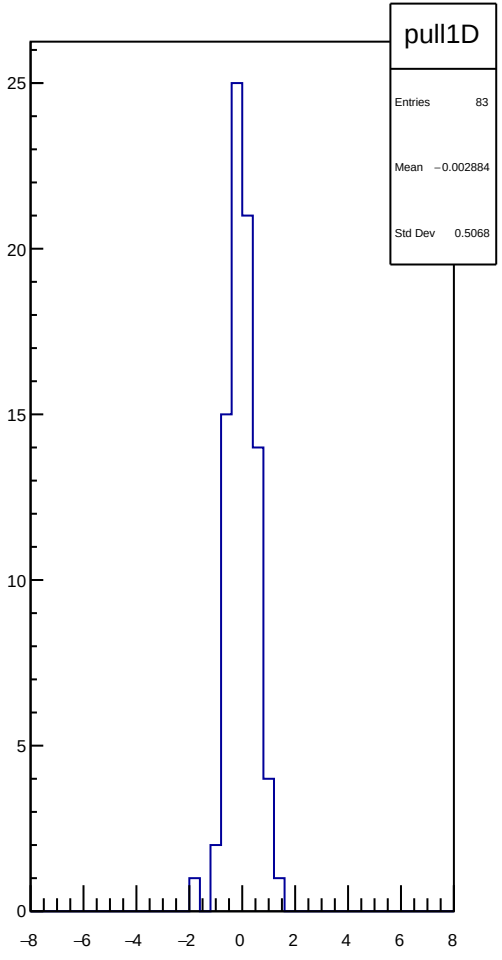

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 9619 / 82
p0 155.4 ± 0.1241
260
240
220
200
180
160
140

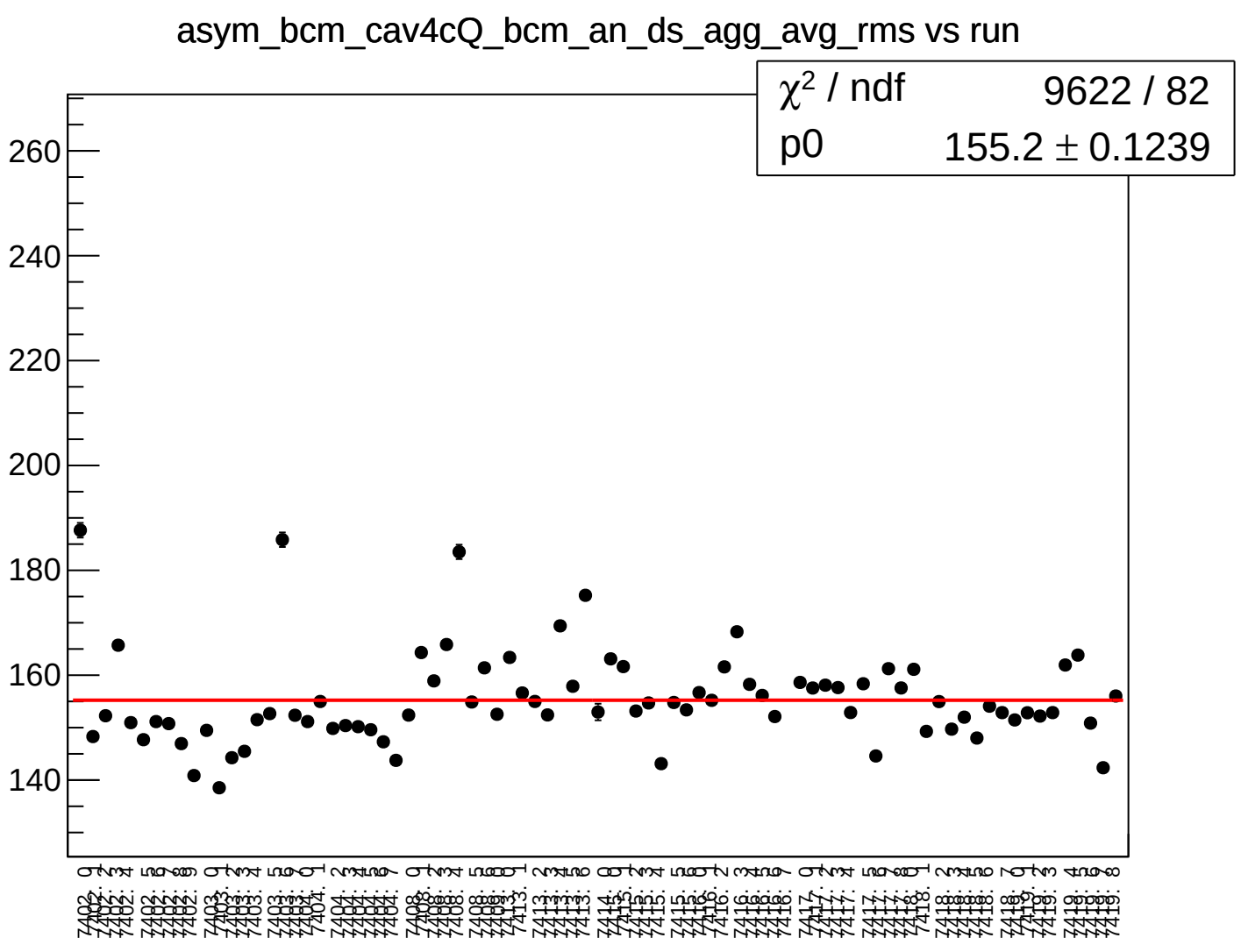

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 61.43 / 82
p0 −26.33 ± 32.18
1000
500
0
−500
−1000
pull
Entries 83
Mean −784.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

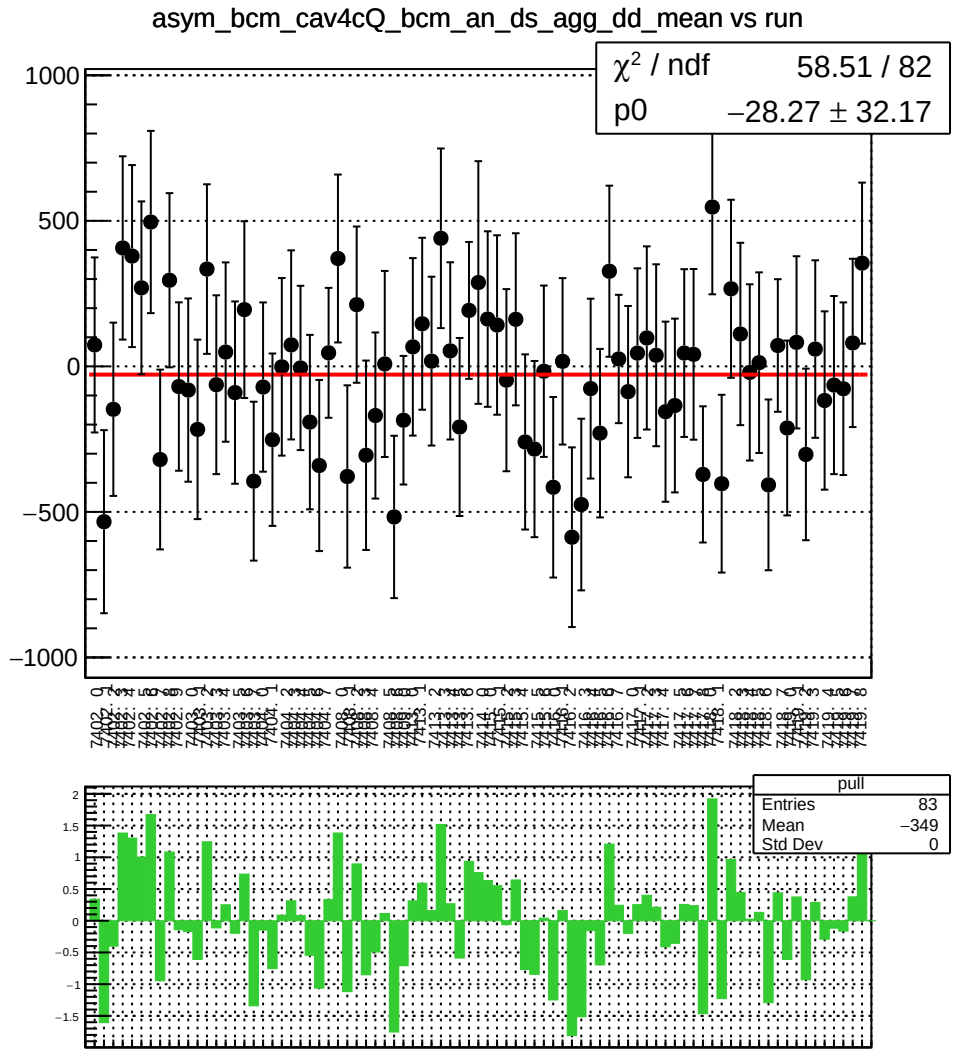

pull1D
Entries 83
Mean 0.001745
Std Dev 0.8603
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

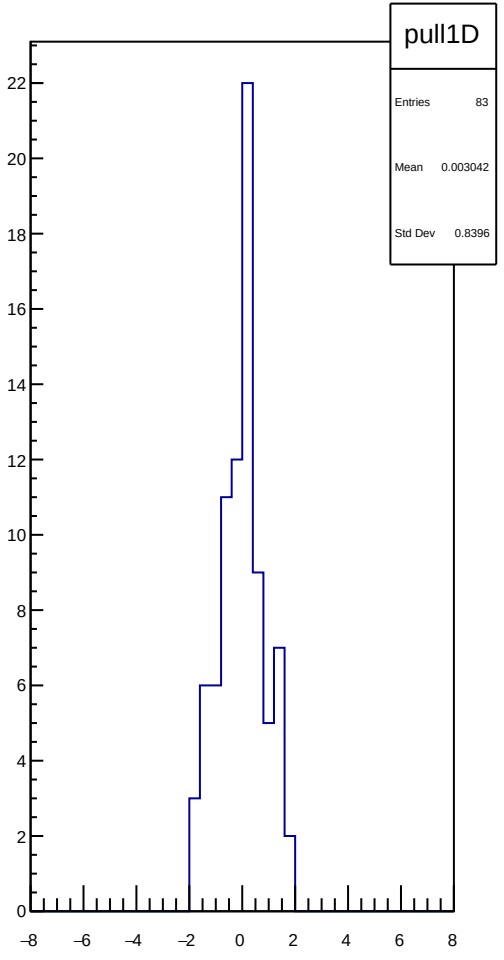

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1886 / 82
p0 28.57 ± 0.02275
31
30
29
28
27
26
25

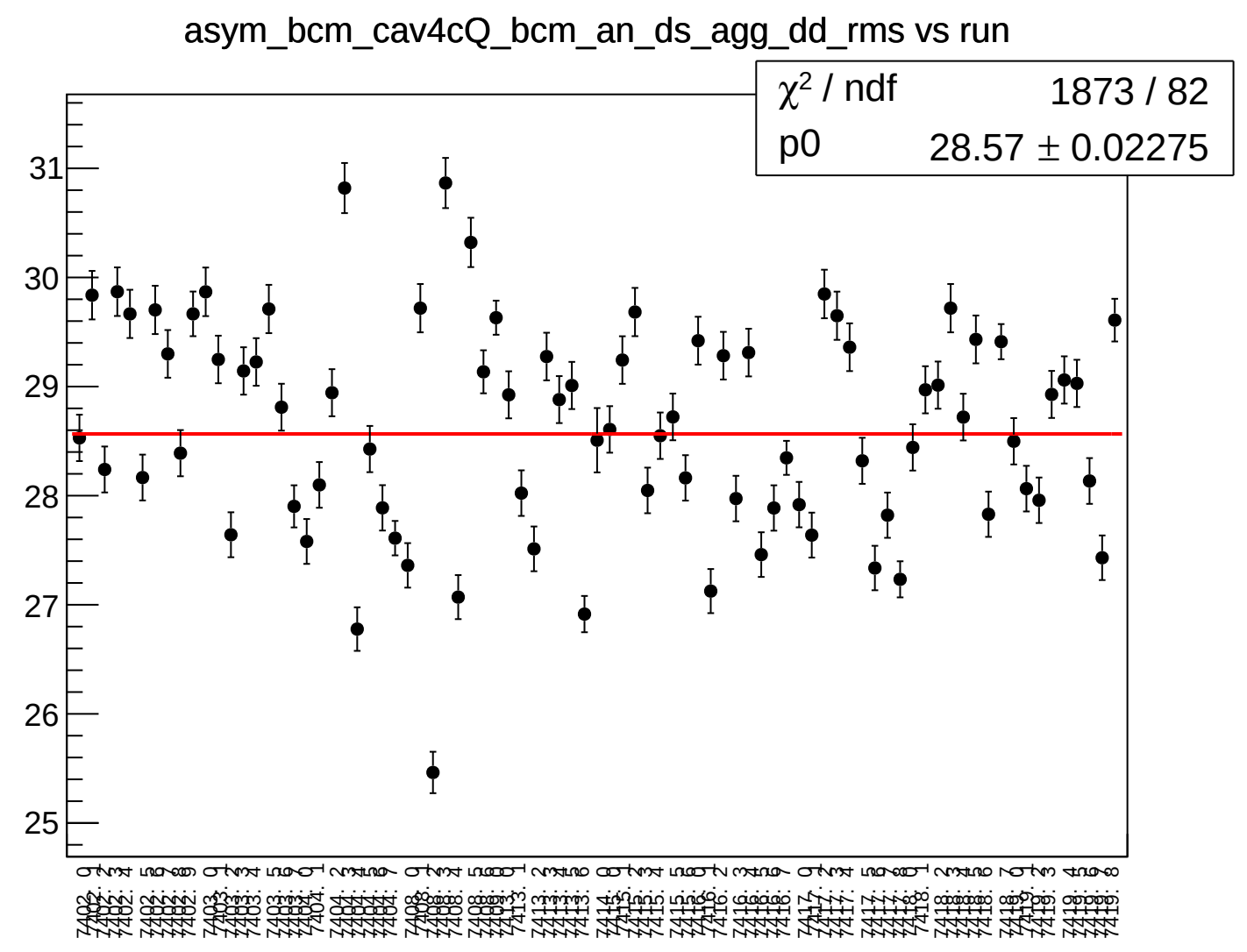

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 21.32 / 82
p0 374.3 ± 175.3
pull
Entries 83
Mean 158.6
Std Dev 0

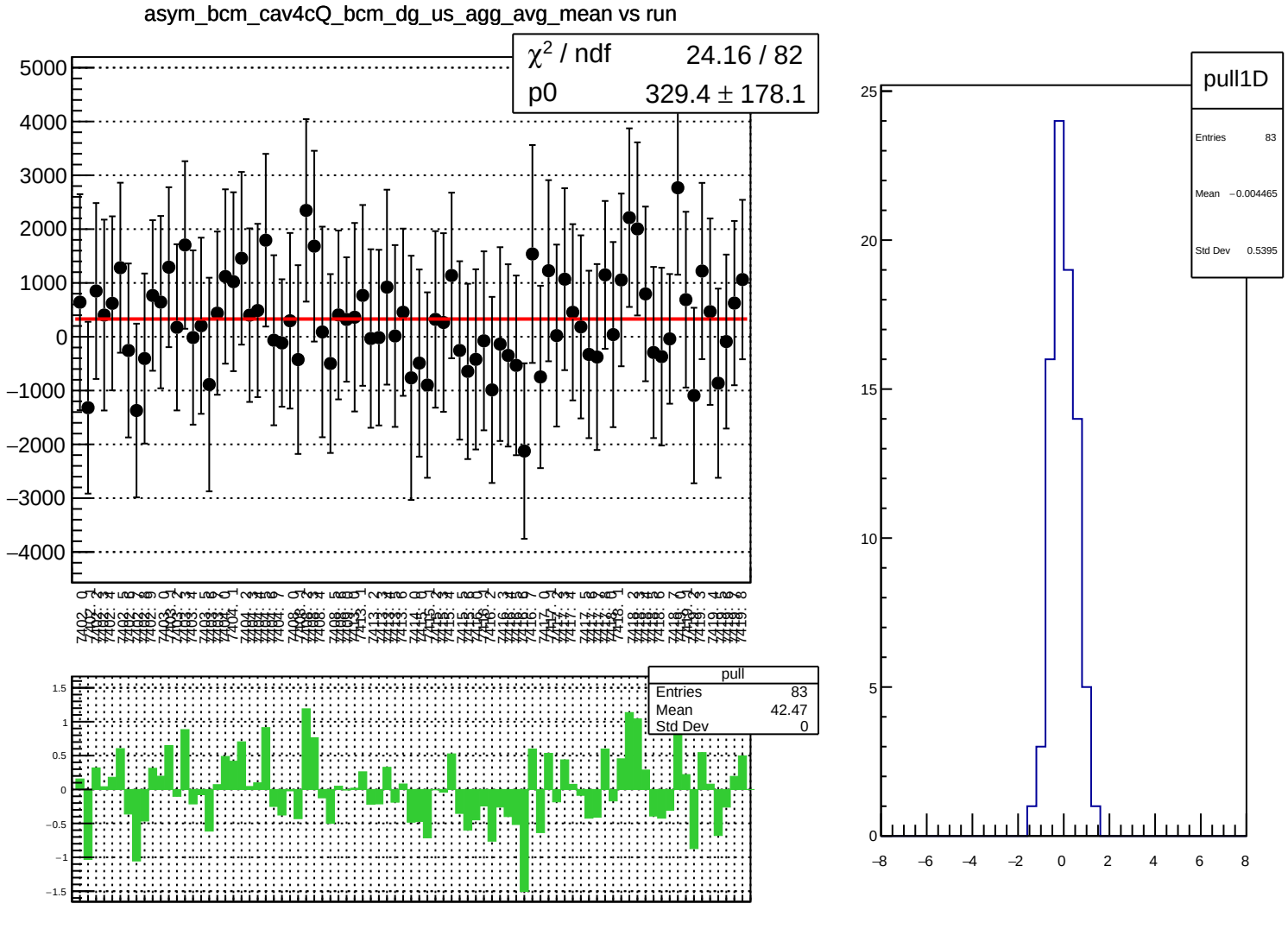

pull1D
Entries 83
Mean −0.002884
Std Dev 0.5068

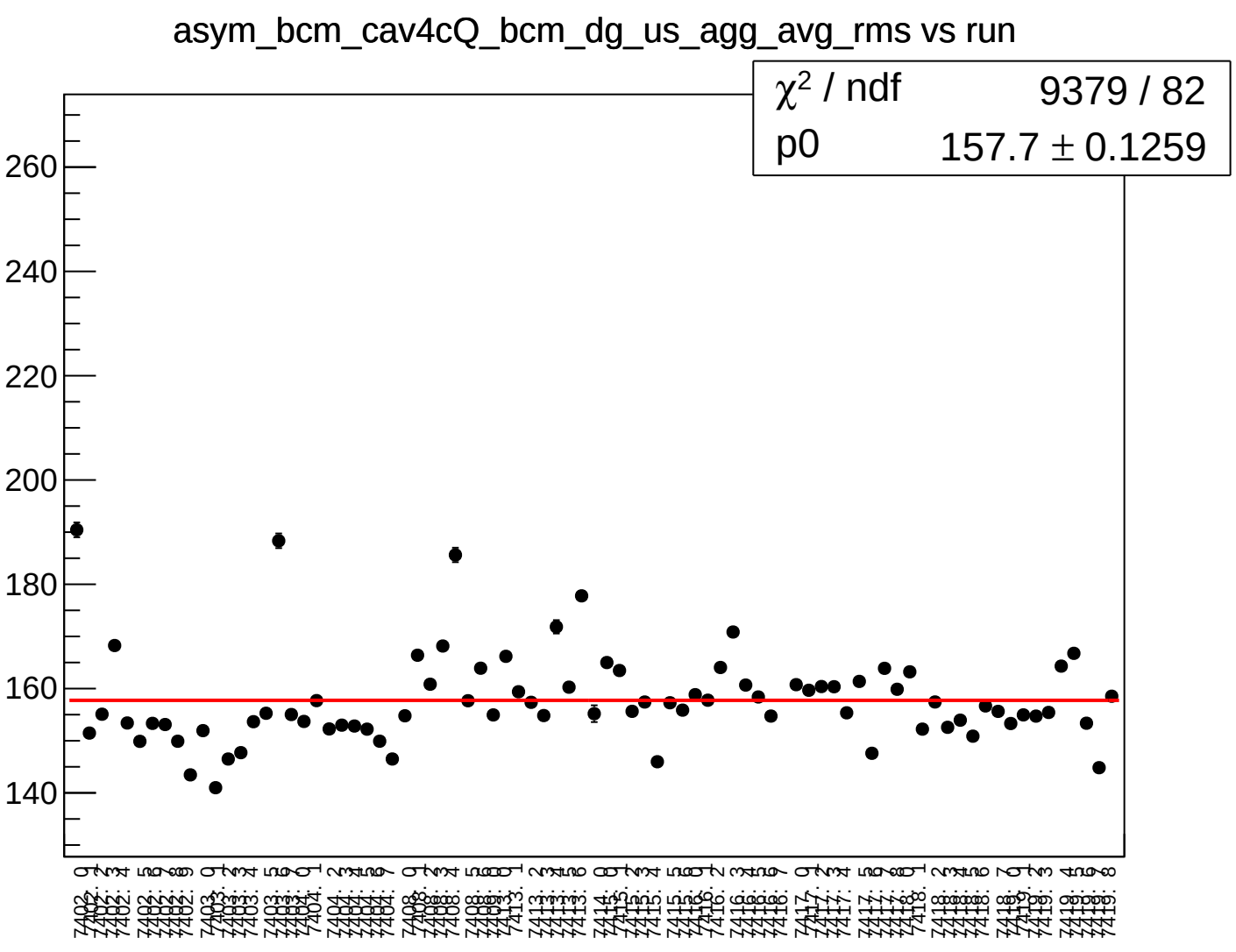

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9622 / 82
p0 155.2 ± 0.1239
260
240
220
200
180
160
140

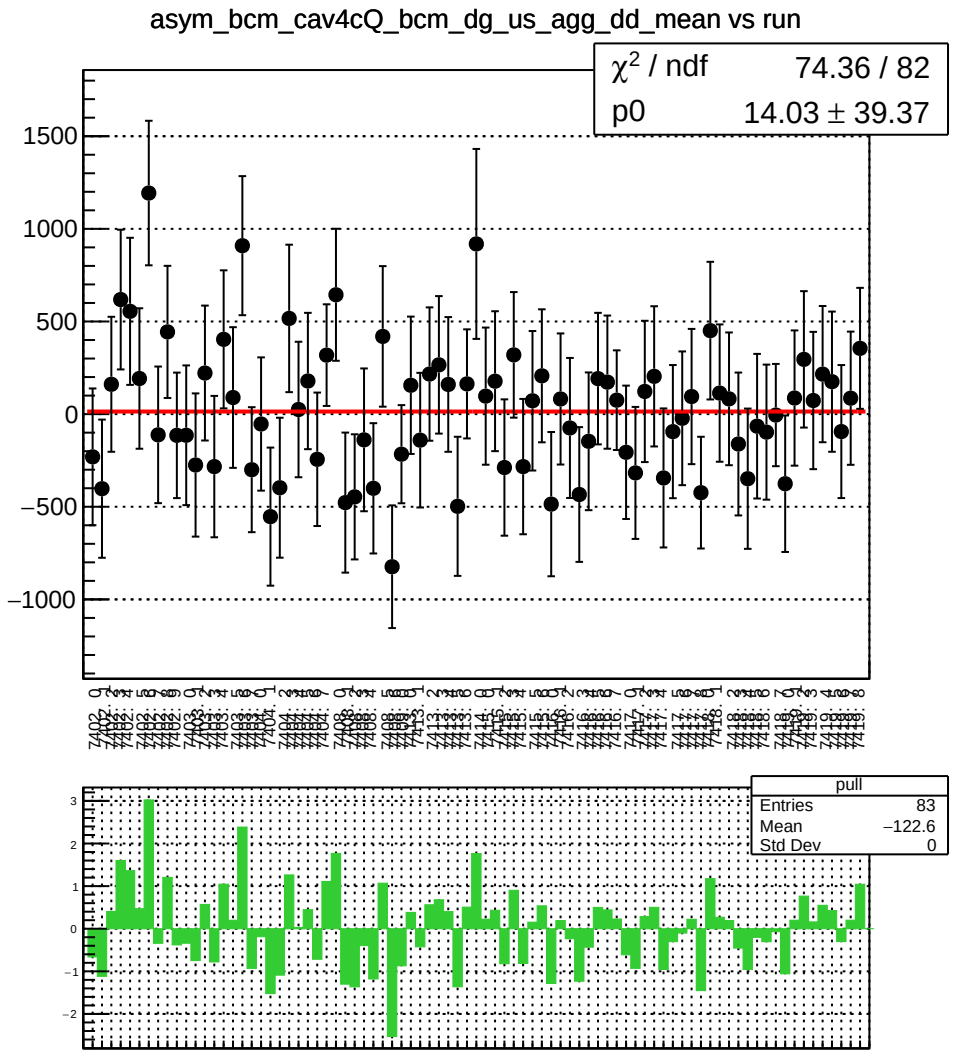

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 58.51 / 82
p0 −28.27 ± 32.17
1000
500
0
−500
−1000
pull
Entries 83
Mean −349
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

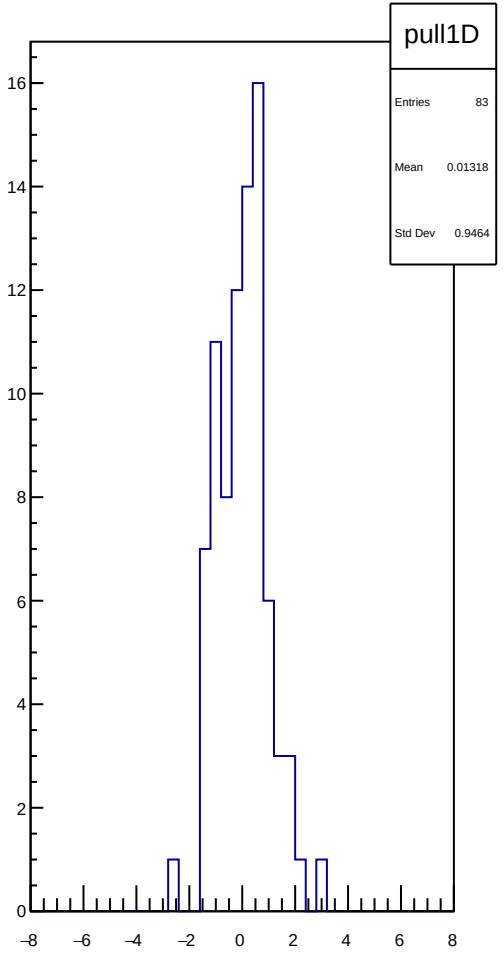

pull1D
Entries 83
Mean 0.003042
Std Dev 0.8396
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

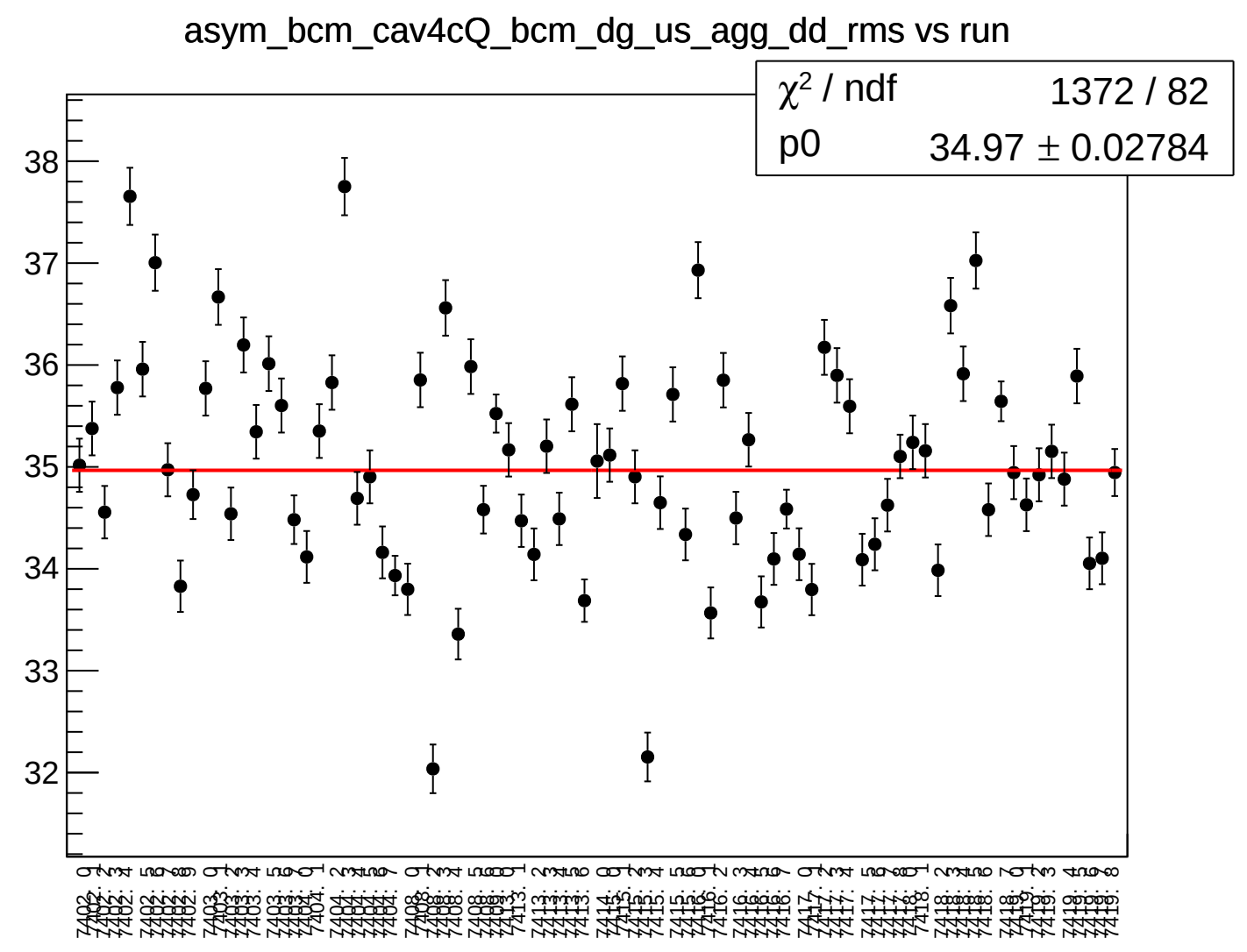

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1873 / 82
p0 28.57 ± 0.02275
31
30
29
28
27
26
25

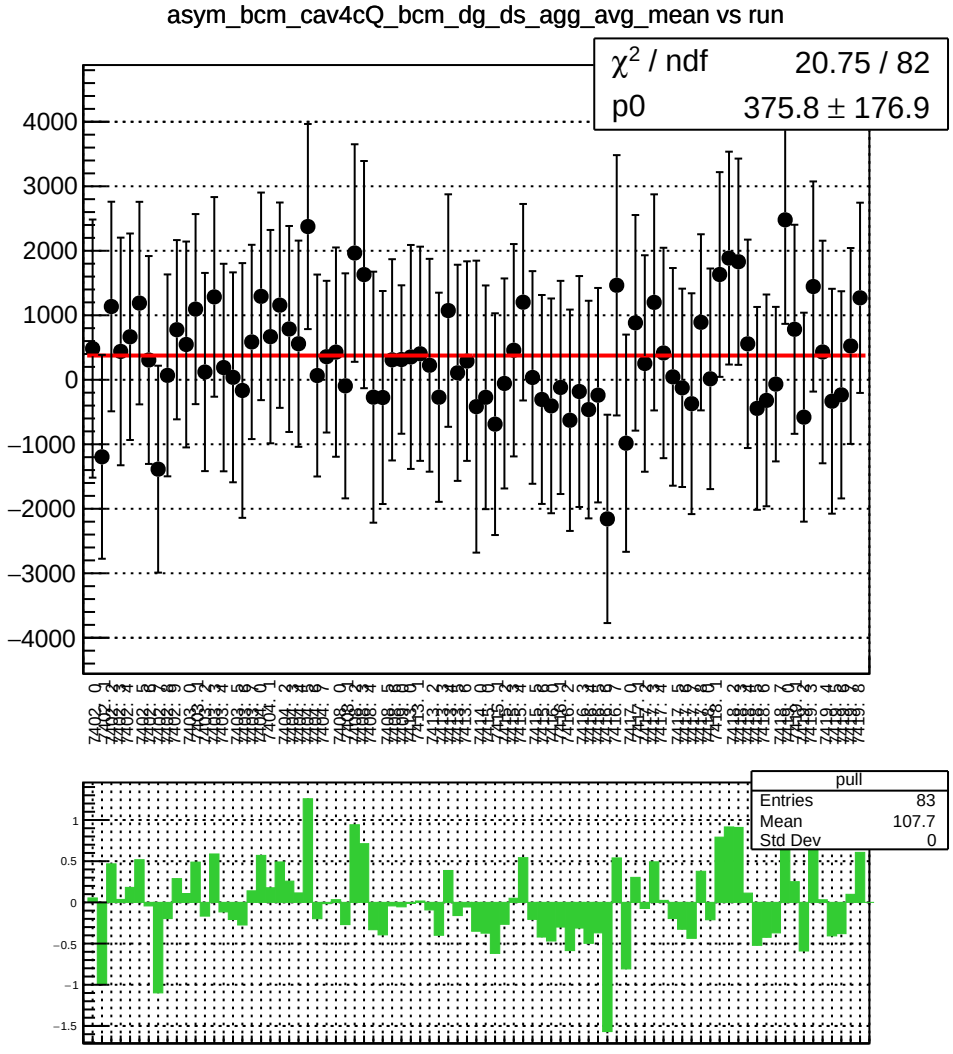

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 24.16 / 82
p0 329.4 ± 178.1
pull
Entries 83
Mean 42.47
Std Dev 0
pull1D
Entries 83
Mean −0.004465
Std Dev 0.5395

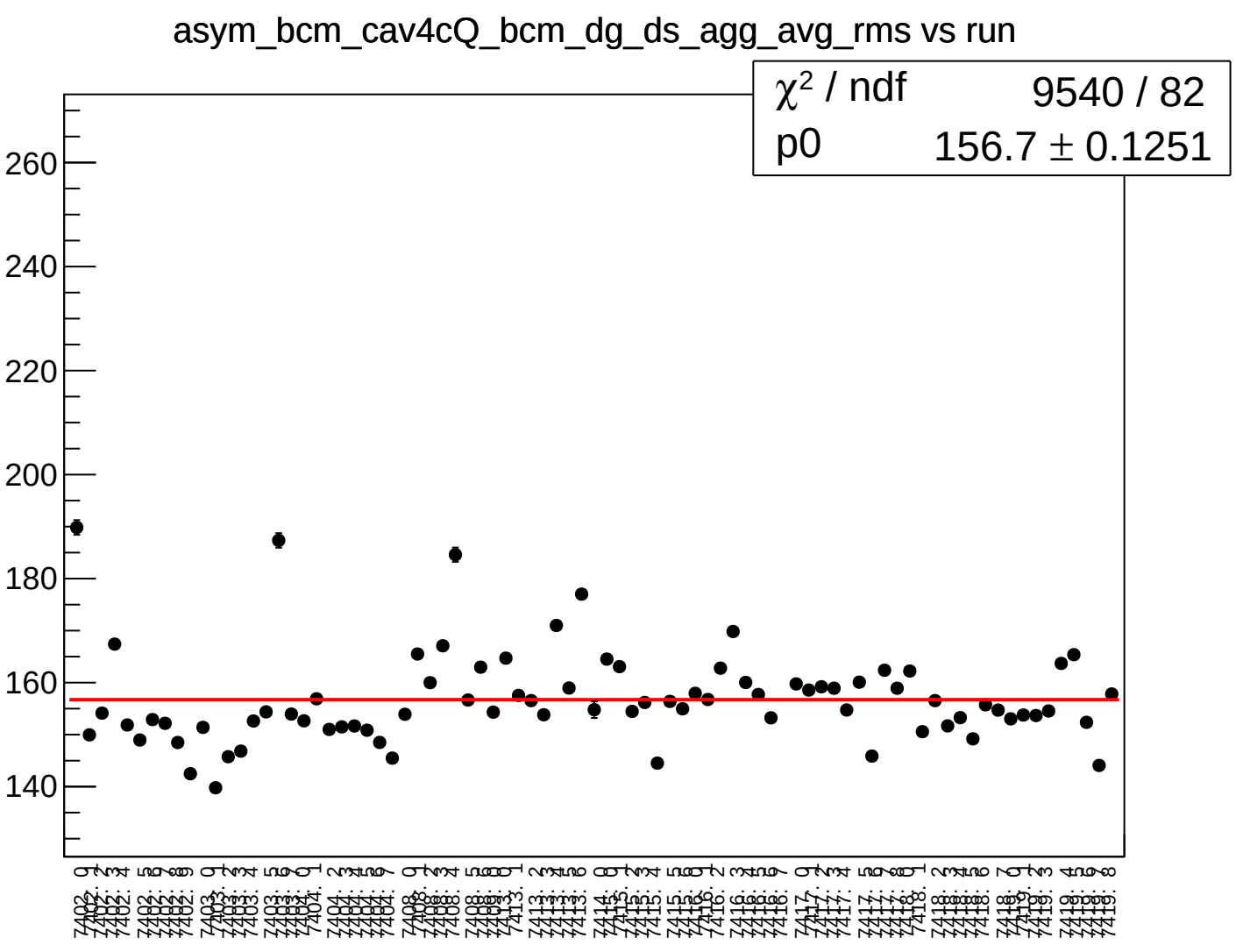

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 9379 / 82
p0 157.7 ± 0.1259
260
240
220
200
180
160
140

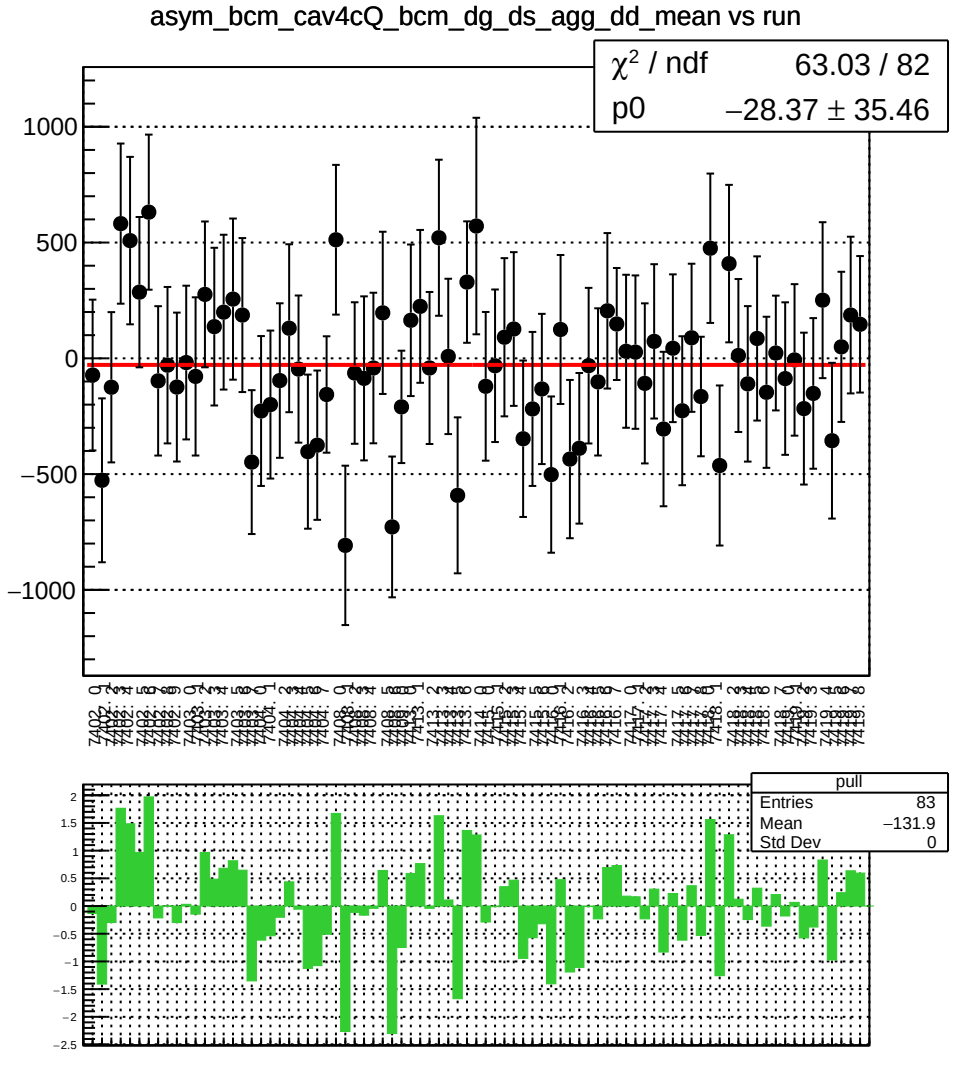

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 74.36 / 82
p0 14.03 ± 39.37
1500
1000
500
0
−500
−1000
pull
Entries 83
Mean −122.6
Std Dev 0
3
2
1
0
−1
−2

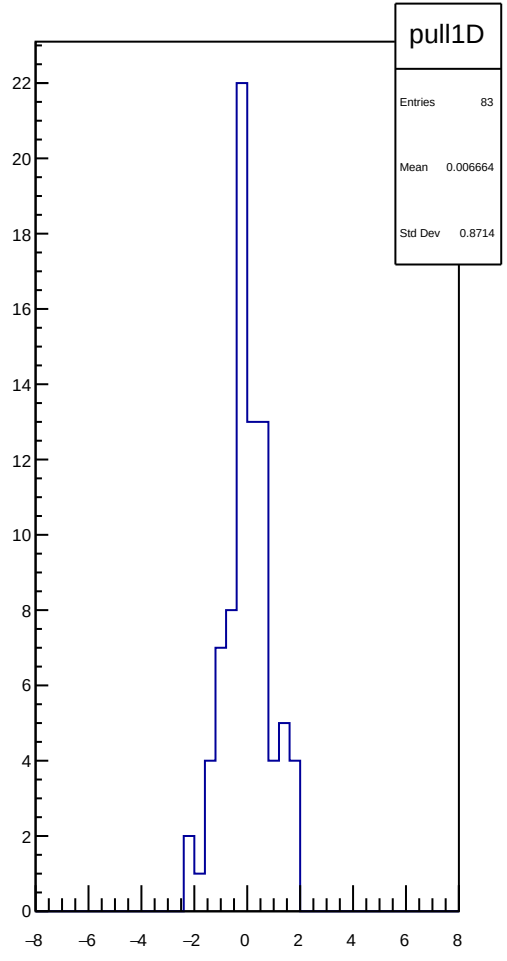

pull1D
Entries 83
Mean 0.01318
Std Dev 0.9464
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

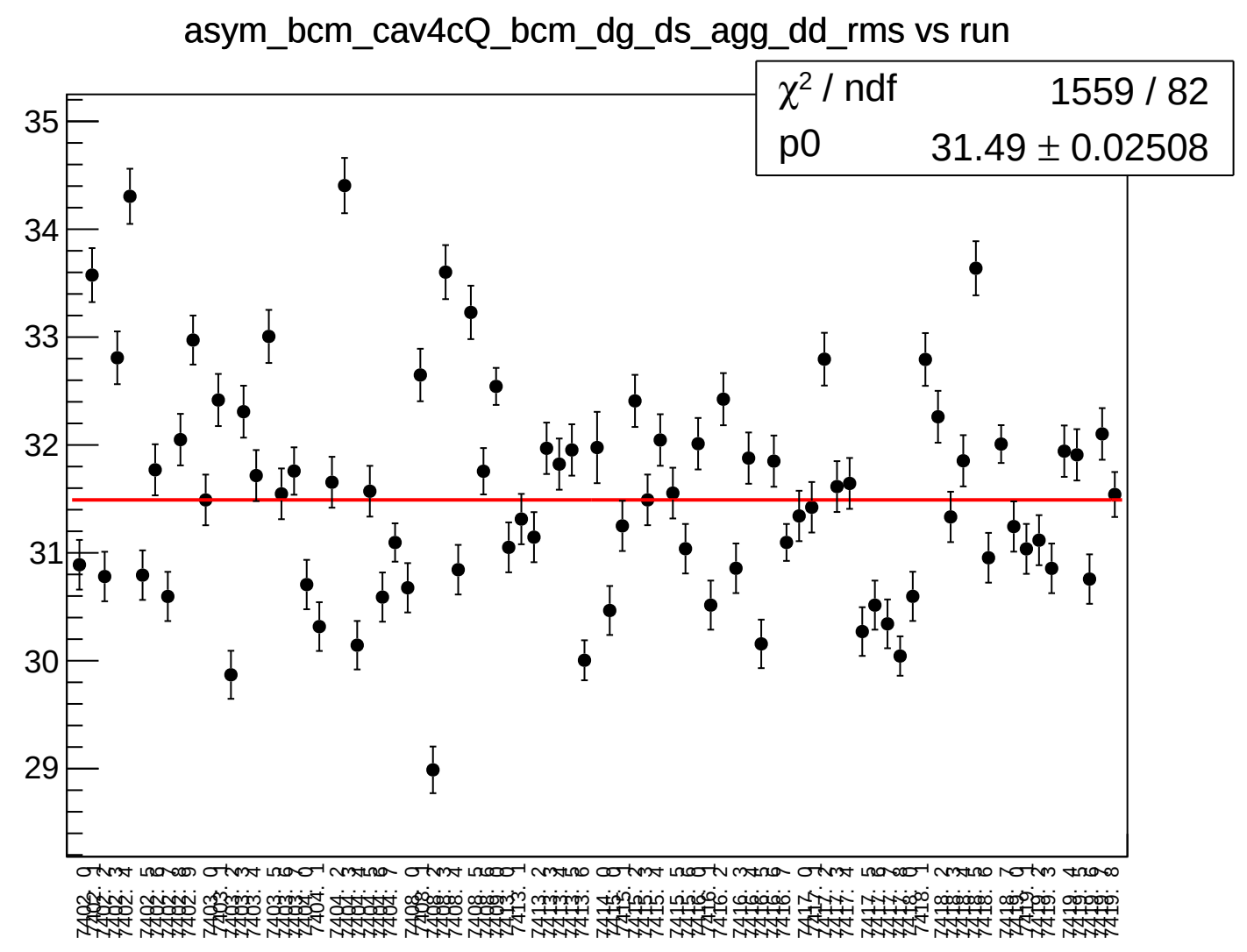

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1372 / 82
p0 34.97 ± 0.02784
38
37
36
35
34
33
32

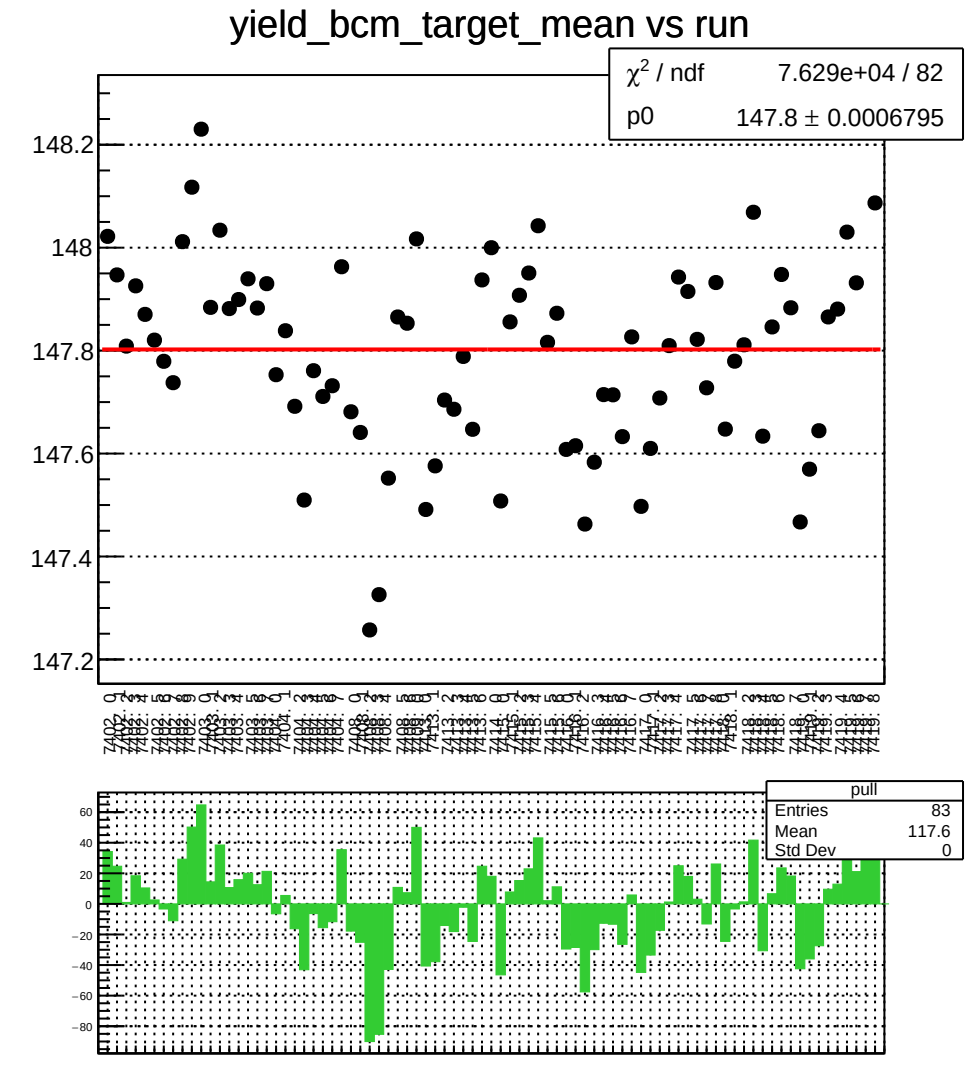

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 20.75 / 82
p0 375.8 ± 176.9
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 83
Mean 107.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.004291
Std Dev 0.5
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

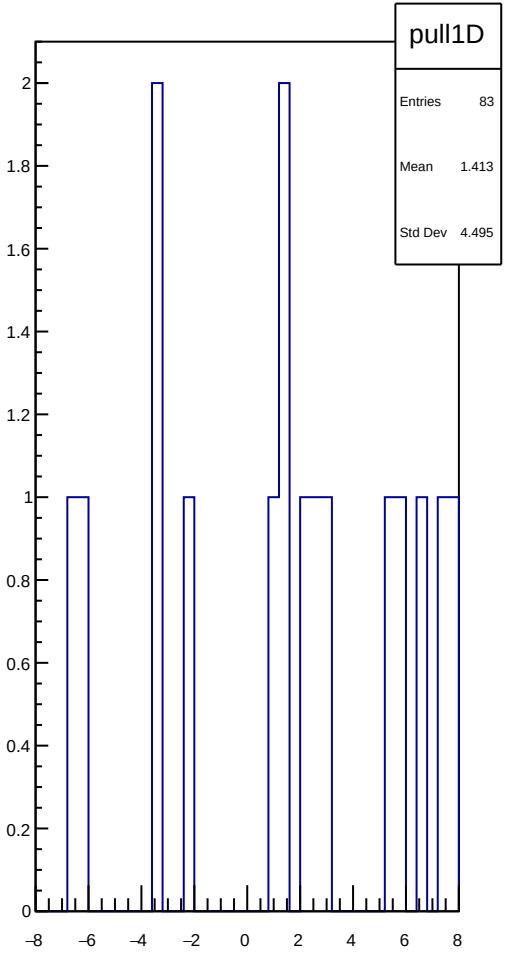

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 9540 / 82
p0 156.7 ± 0.1251
260
240
220
200
180
160
140

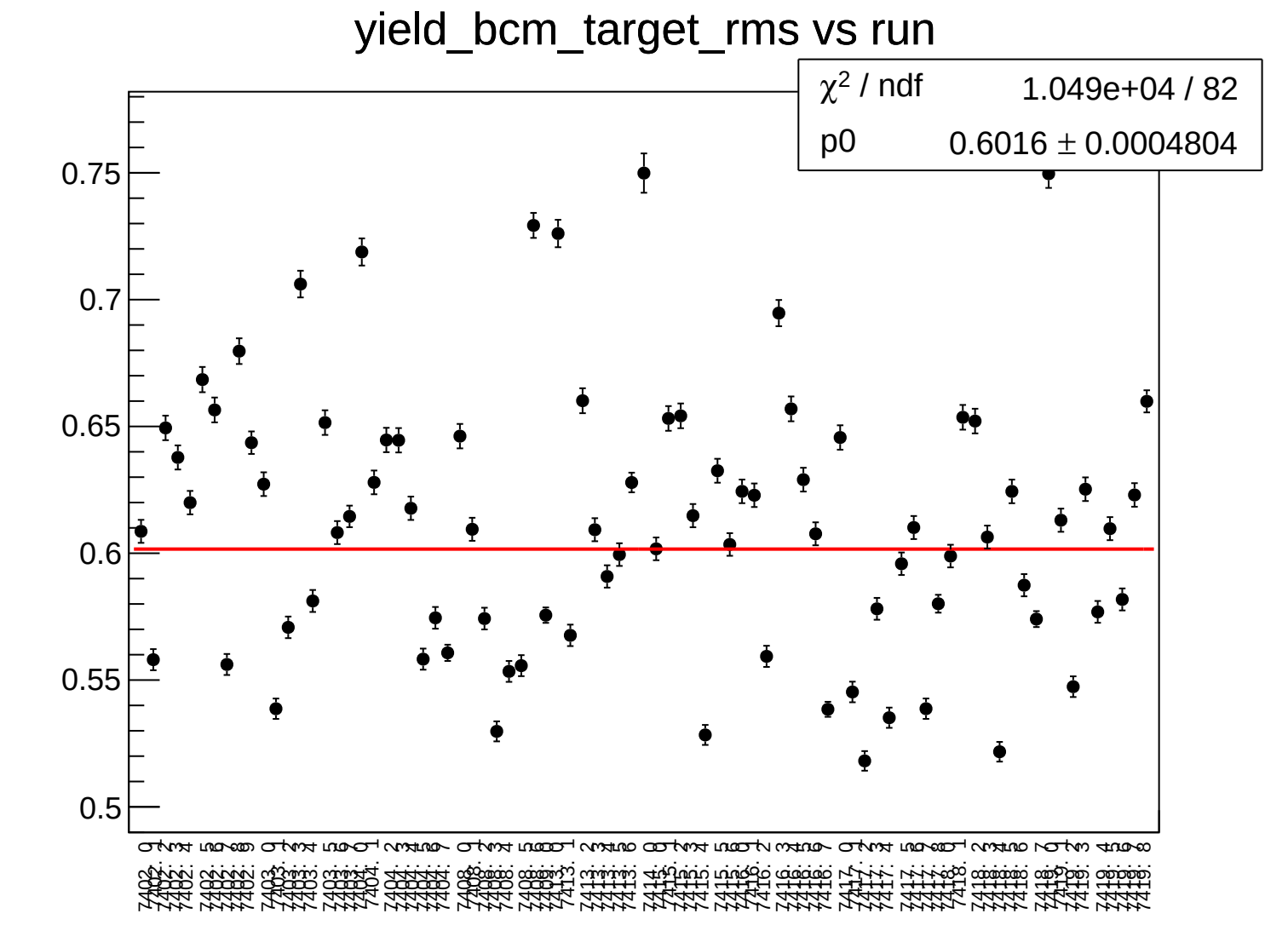

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 63.03 / 82
p0 −28.37 ± 35.46
1000
500
0
−500
−1000
pull
Entries 83
Mean −131.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

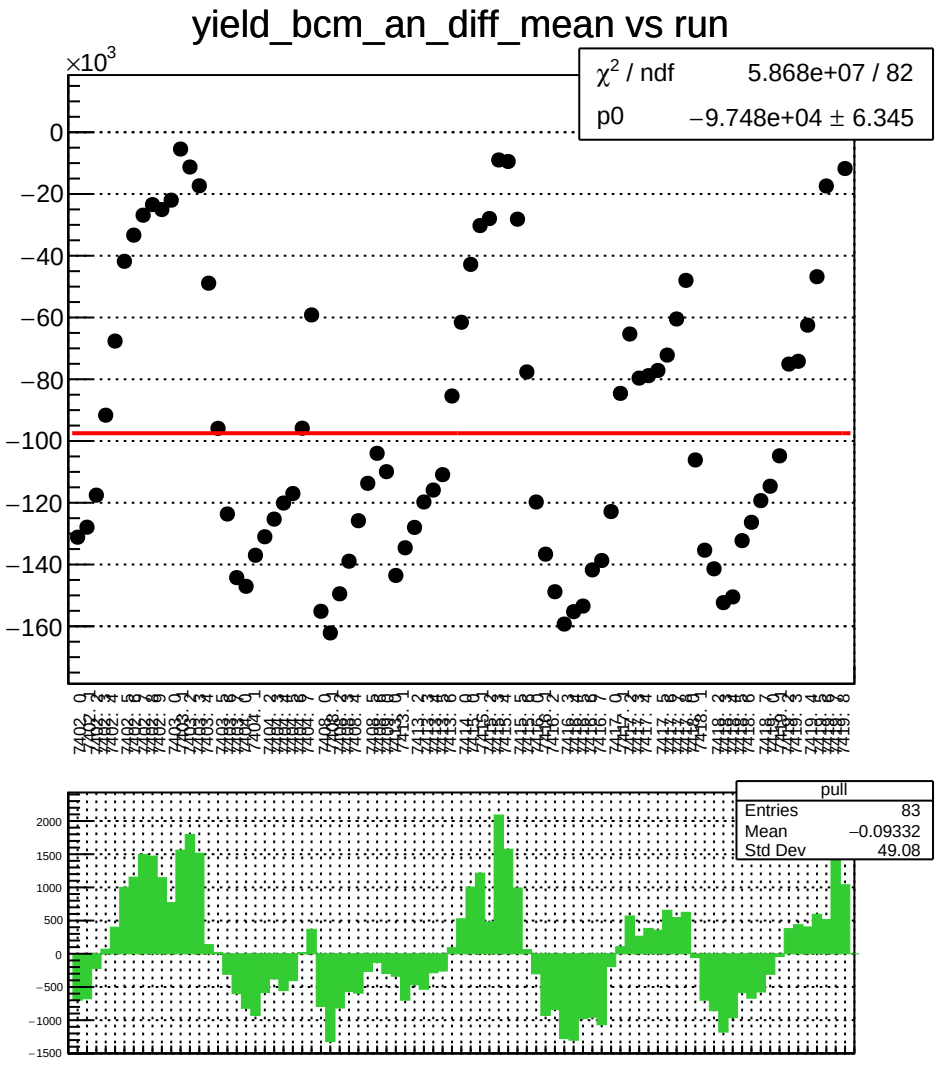

pull1D
Entries 83
Mean 0.006664
Std Dev 0.8714
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

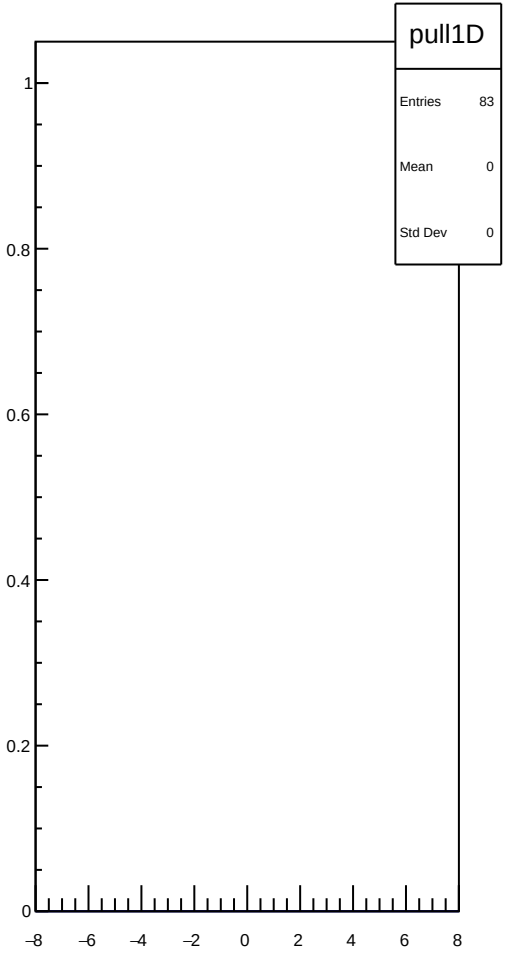

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1559 / 82
p0 31.49 ± 0.02508
35
34
33
32
31
30
29

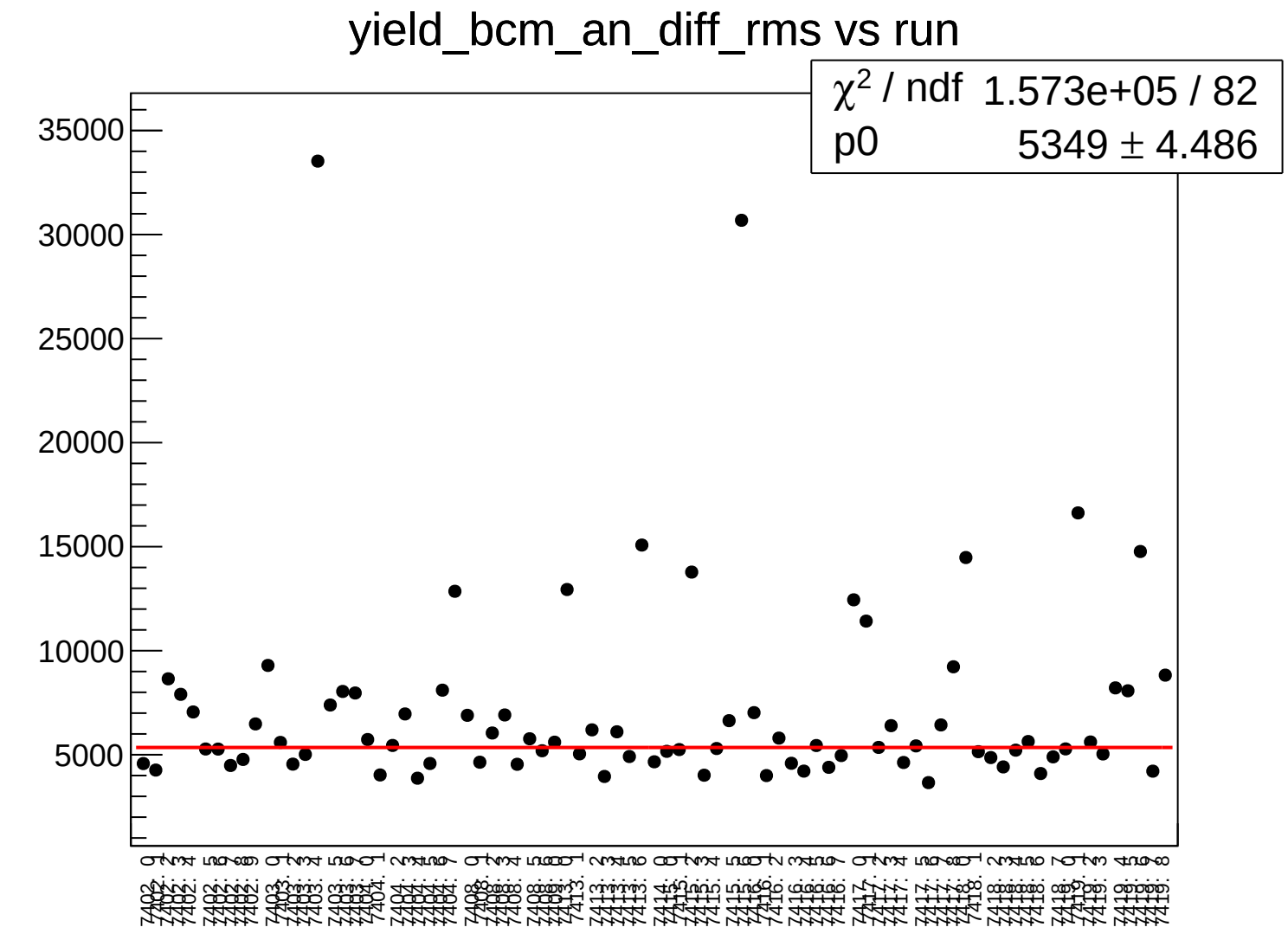

yield_bcm_target_mean vs run
χ² / ndf 7.629e+04 / 82
p0 147.8 ± 0.0006795
148.2
148
147.8
147.6
147.4
147.2
pull
Entries 83
Mean 117.6
Std Dev 0
60
40
20
0
−20
−40
−60
−80

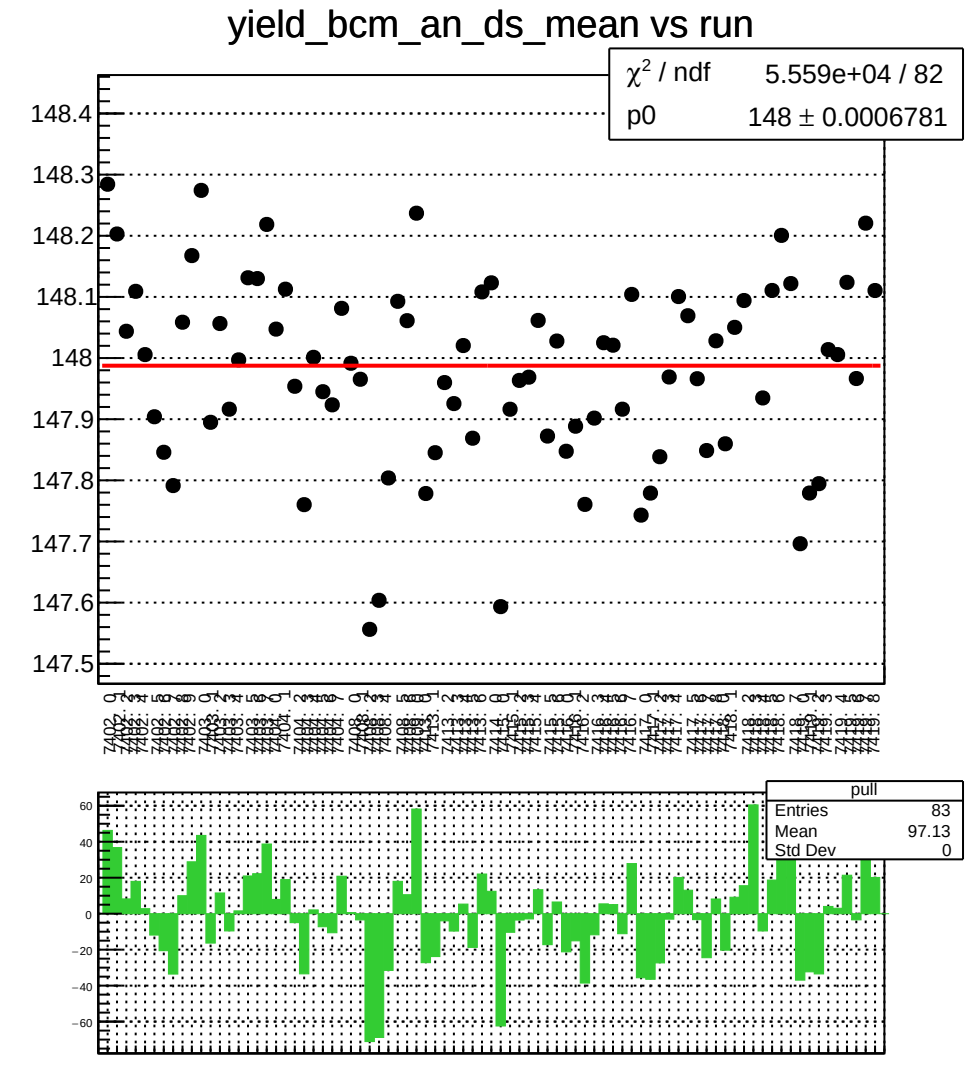

pull1D
Entries 83
Mean 1.413
Std Dev 4.495
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

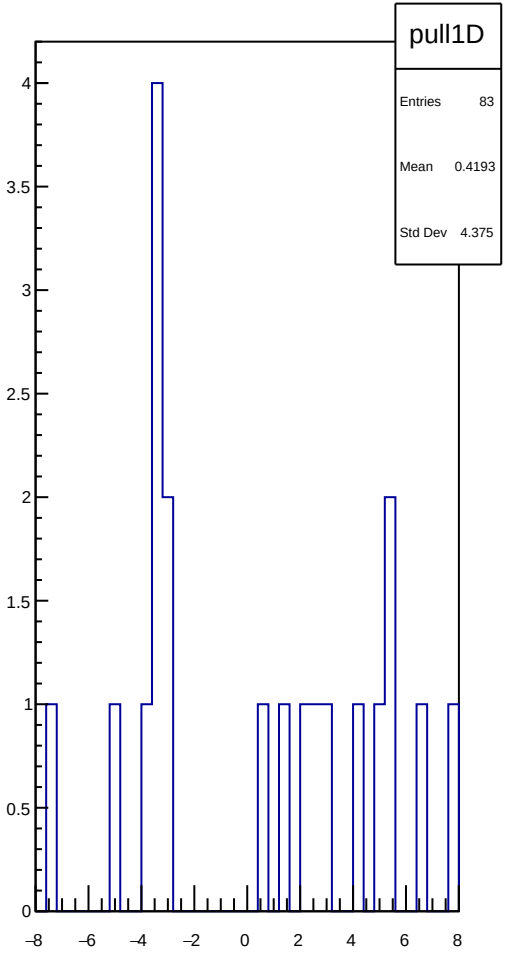

yield_bcm_target_rms vs run
χ² / ndf 1.049e+04 / 82
p0 0.6016 ± 0.0004804
0.75
0.7
0.65
0.6
0.55
0.5

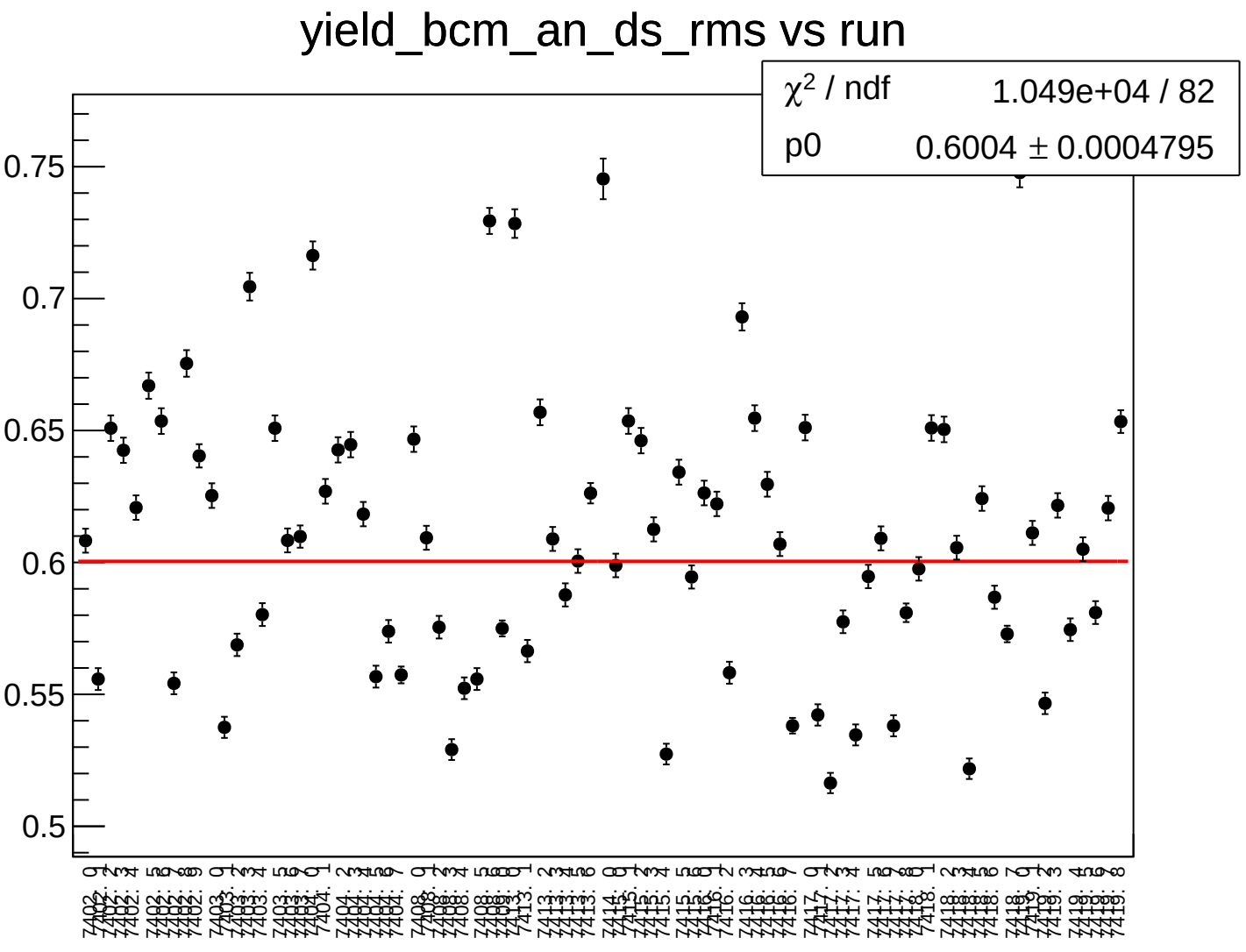

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 5.868e+07 / 82
p0 −9.748e+04 ± 6.345
pull
Entries 83
Mean −0.09332
Std Dev 49.08

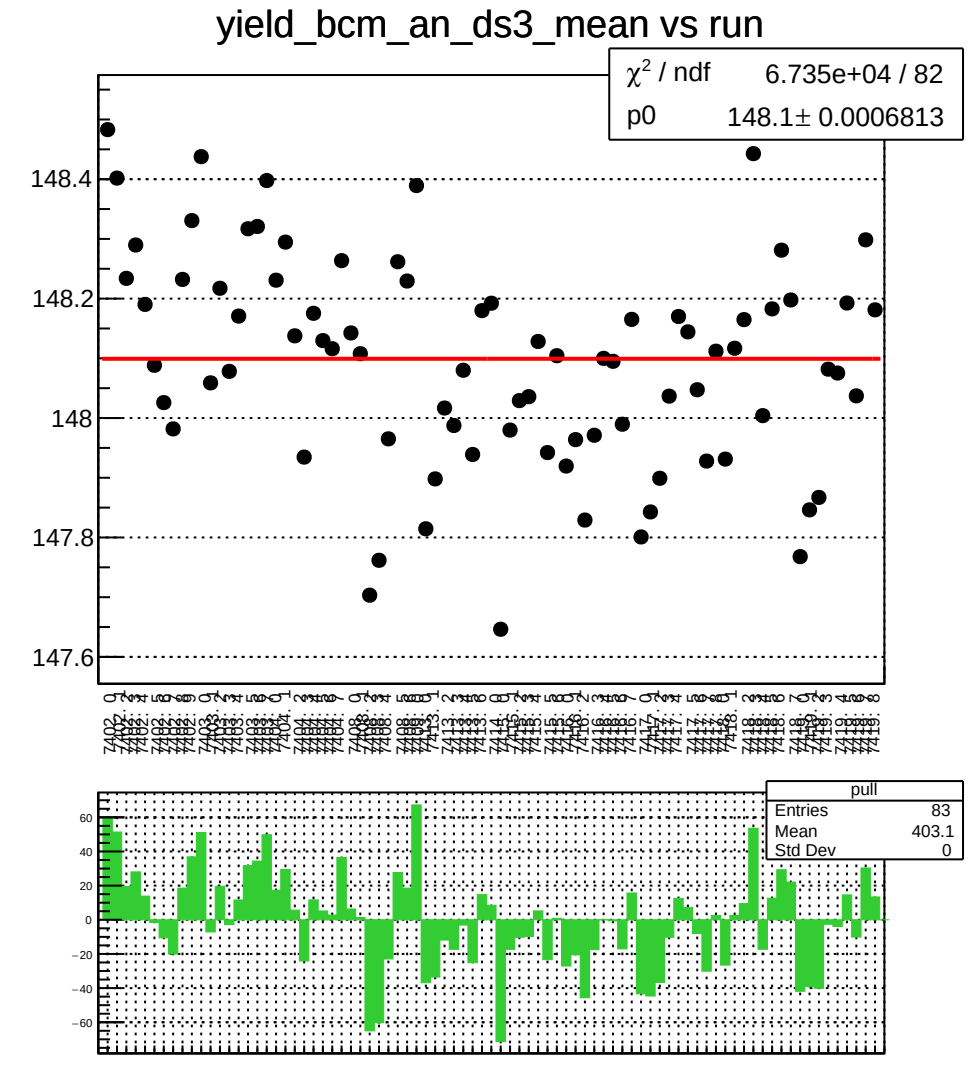

pull1D
Entries 83
Mean 0
Std Dev 0

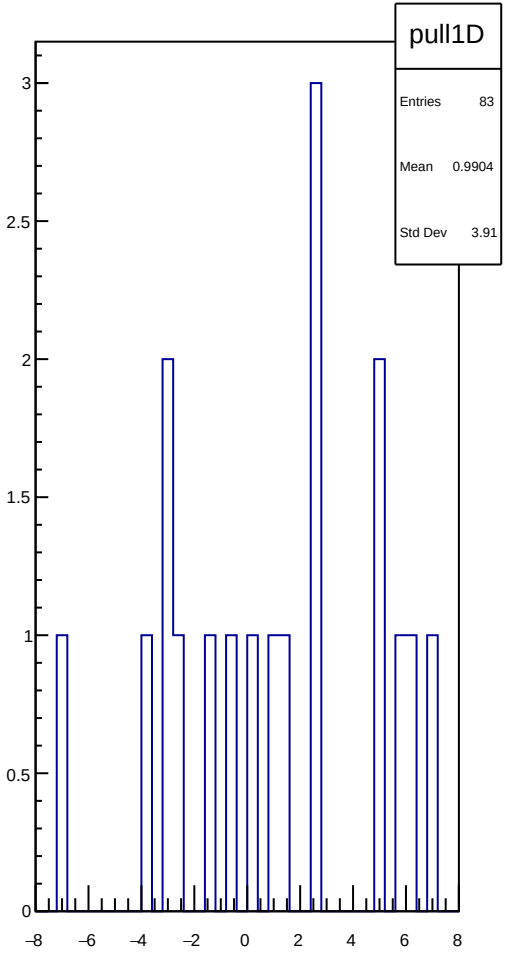

yield_bcm_an_diff_rms vs run
χ² / ndf 1.573e+05 / 82
p0 5349 ± 4.486
35000
30000
25000
20000
15000
10000
5000

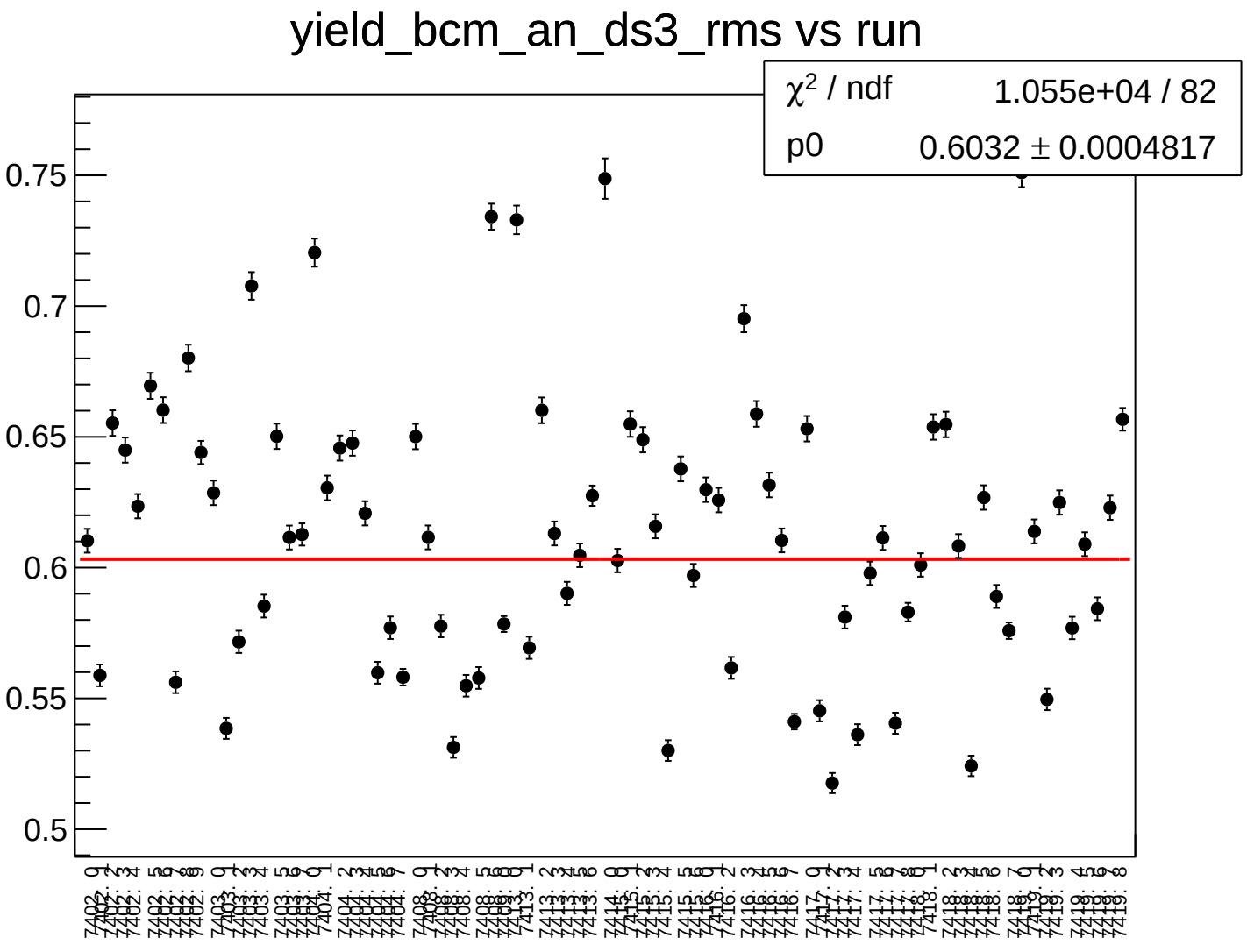

yield_bcm_an_ds_mean vs run
χ² / ndf 5.559e+04 / 82
p0 148 ± 0.0006781
148.4
148.3
148.2
148.1
148
147.9
147.8
147.7
147.6
147.5
pull
Entries 83
Mean 97.13
Std Dev 0
60
40
20
0
−20
−40
−60

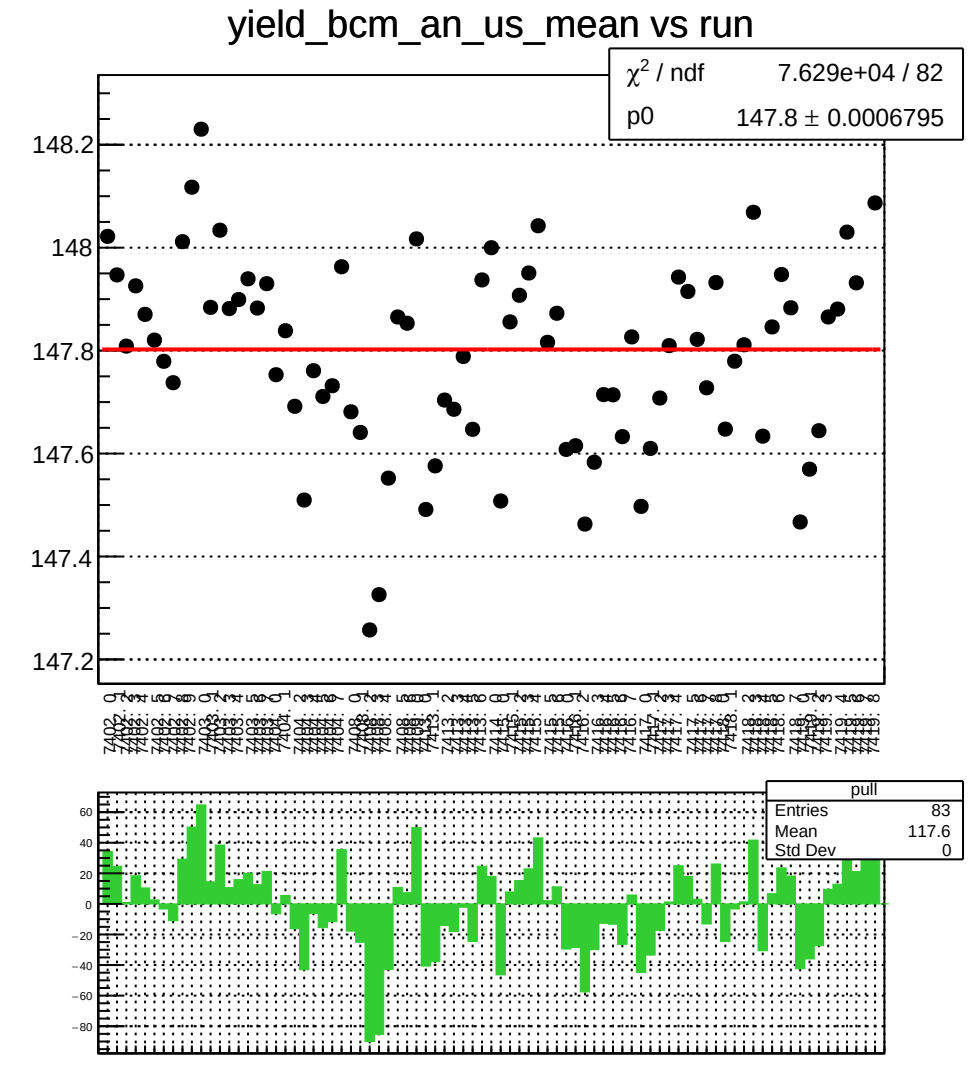

pull1D
Entries 83
Mean 0.4193
Std Dev 4.375
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

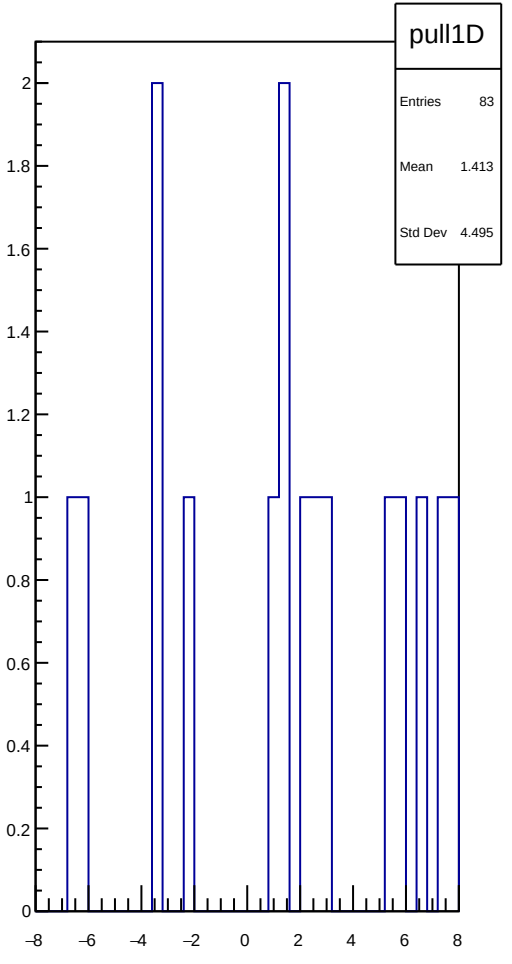

yield_bcm_an_ds_rms vs run
χ2 / ndf 1.049e+04 / 82
p0 0.6004 ± 0.0004795
0.75
0.7
0.65
0.6
0.55
0.5

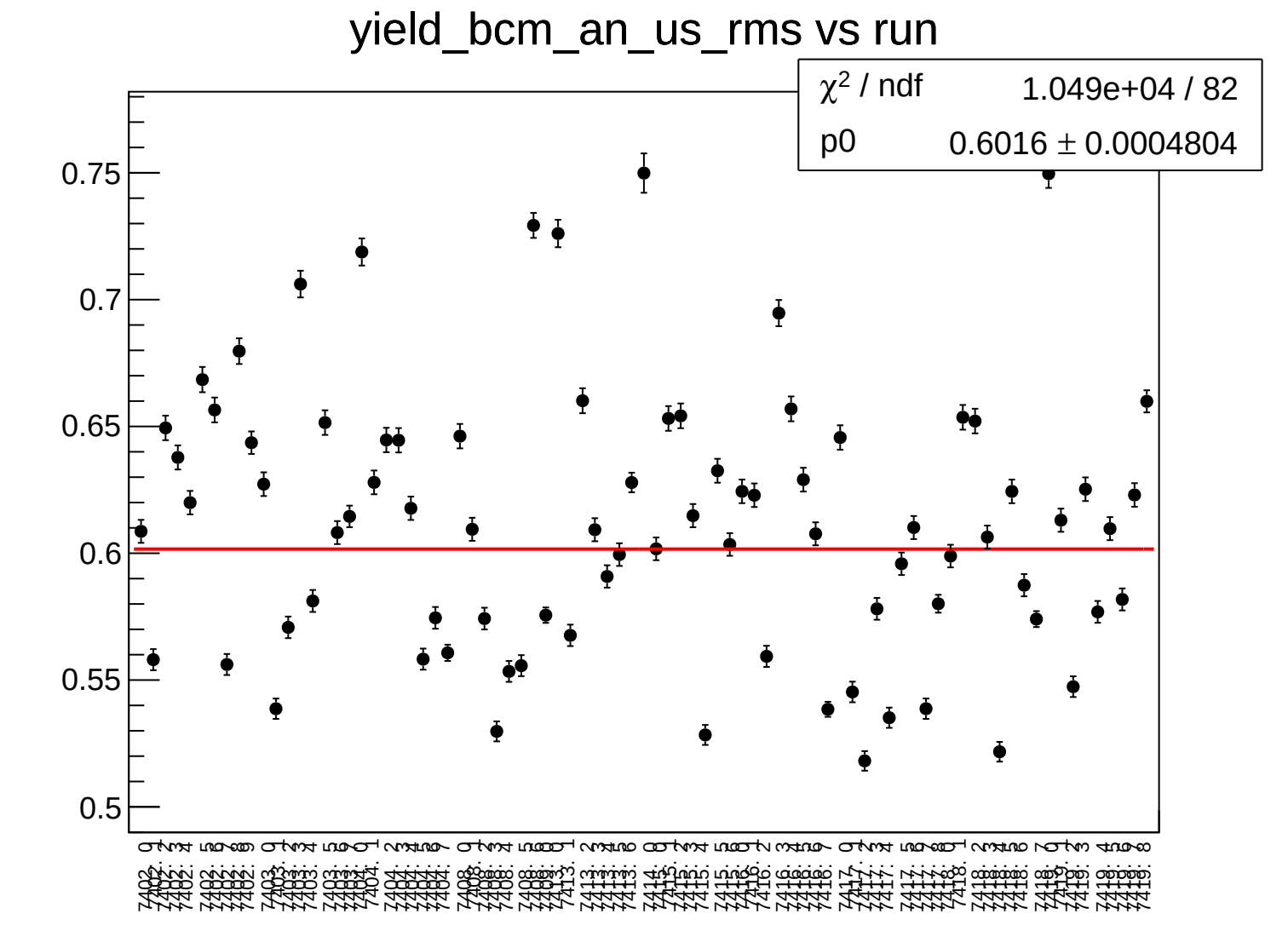

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.735e+04 / 82
p0 148.1± 0.0006813
148.4
148.2
148
147.8
147.6
pull
Entries 83
Mean 403.1
Std Dev 0
60
40
20
0
−20
−40
−60

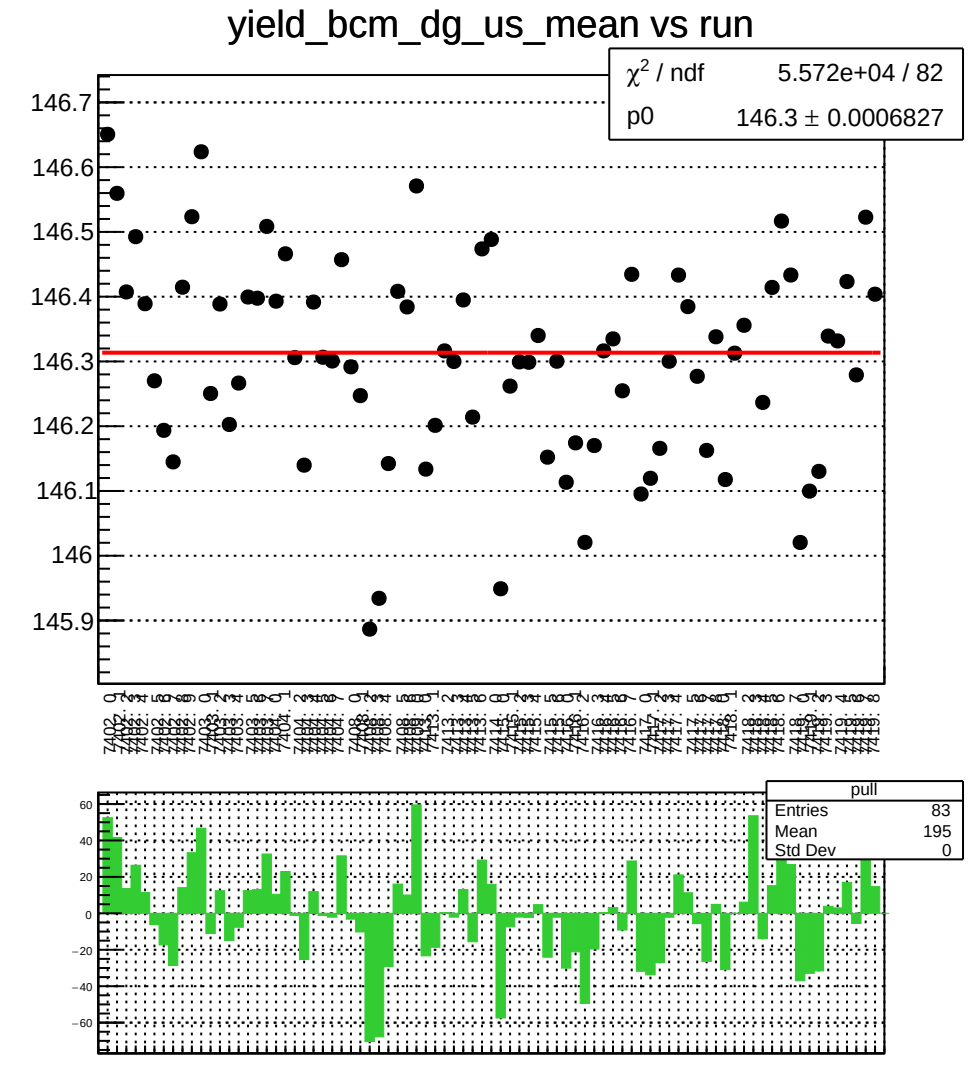

pull1D
Entries 83
Mean 0.9904
Std Dev 3.91
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

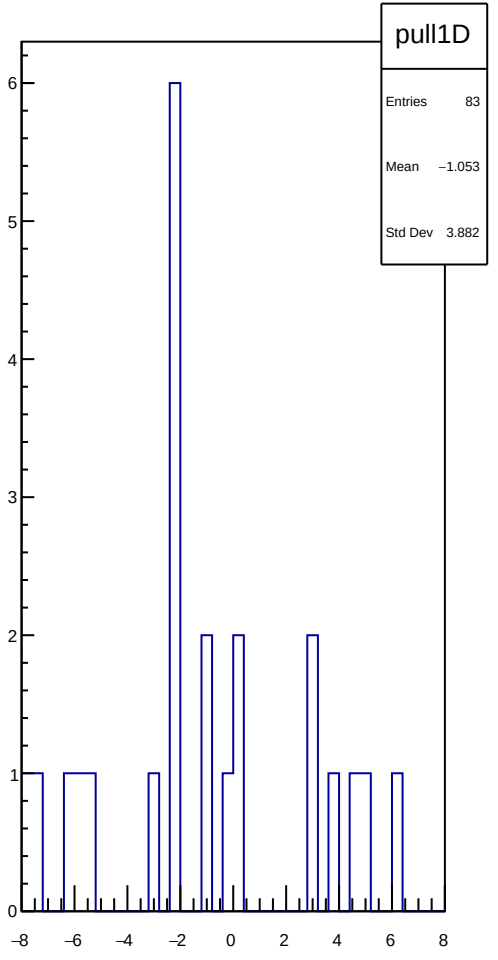

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.055e+04 / 82
p0 0.6032 ± 0.0004817
0.75
0.7
0.65
0.6
0.55
0.5

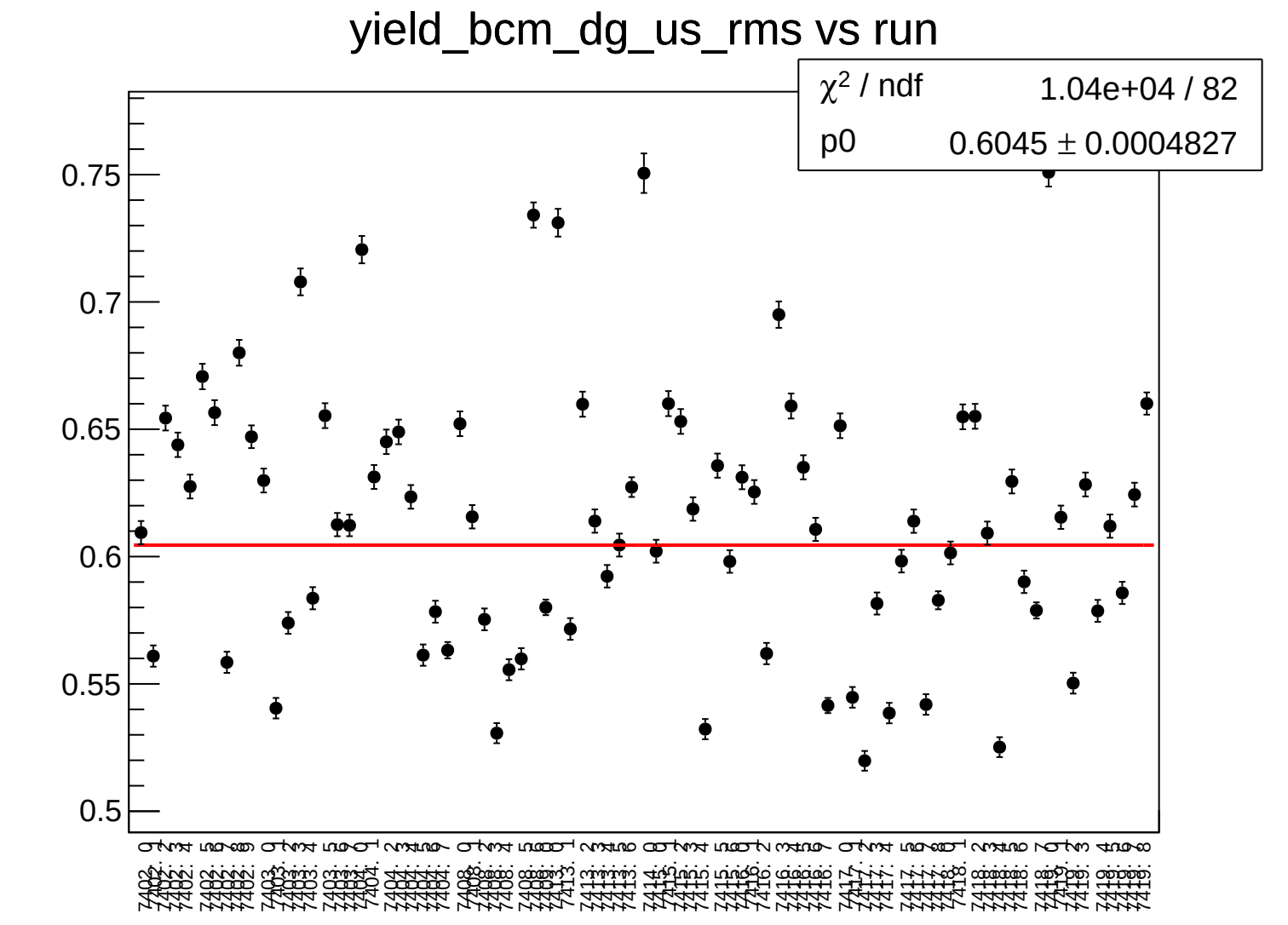

yield_bcm_an_us_mean vs run
χ² / ndf 7.629e+04 / 82
p0 147.8 ± 0.0006795
148.2
148
147.8
147.6
147.4
147.2
pull
Entries 83
Mean 117.6
Std Dev 0
60
40
20
0
−20
−40
−60
−80

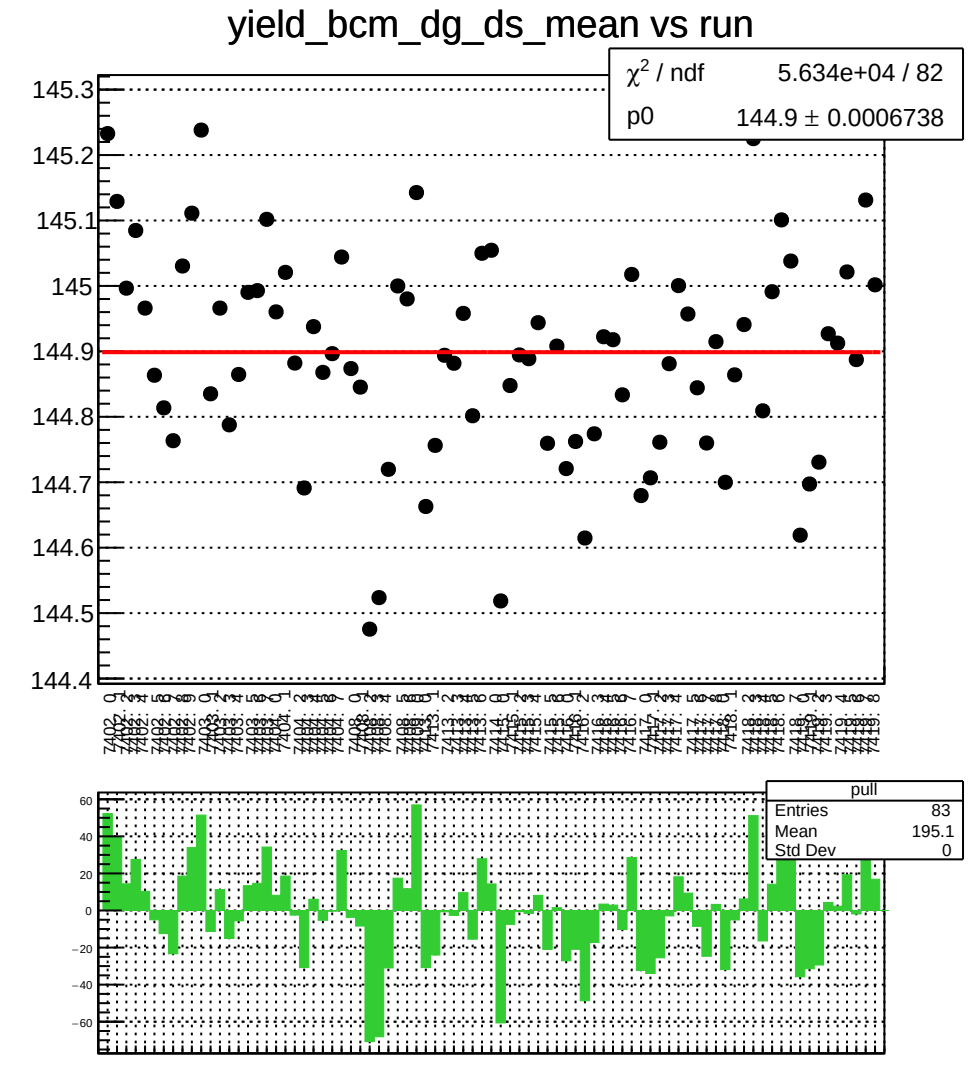

pull1D
Entries 83
Mean 1.413
Std Dev 4.495
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

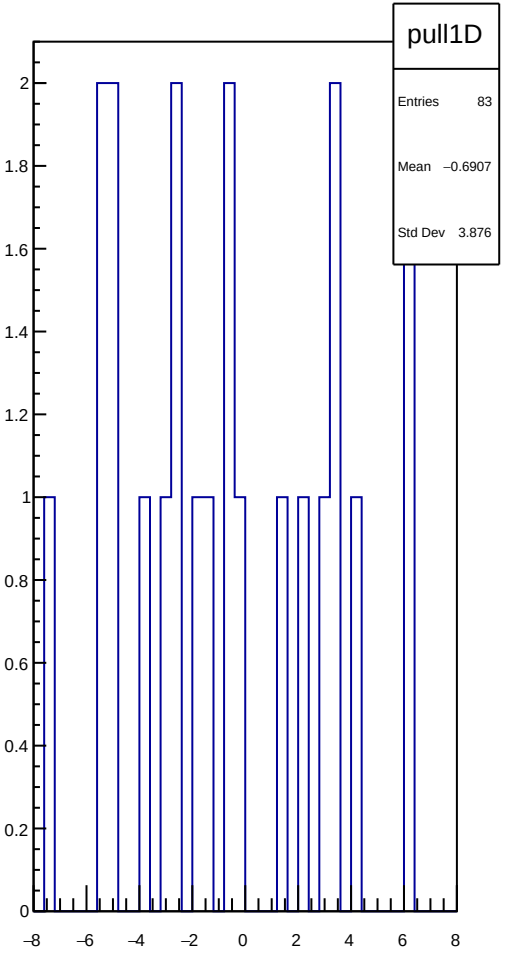

yield_bcm_an_us_rms vs run
χ2 / ndf 1.049e+04 / 82
p0 0.6016 ± 0.0004804
0.75
0.7
0.65
0.6
0.55
0.5

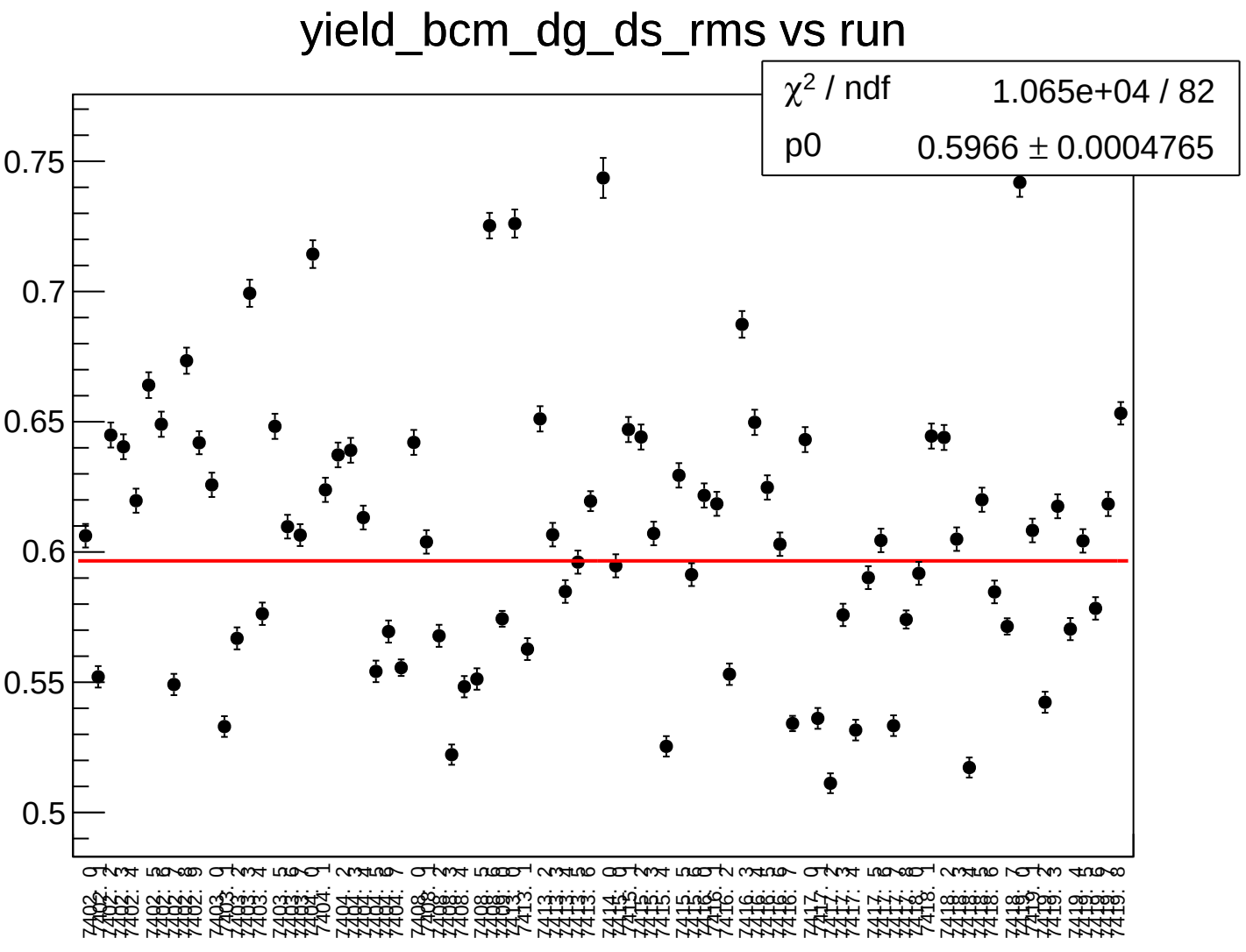

yield_bcm_dg_us_mean vs run
χ² / ndf 5.572e+04 / 82
p0 146.3 ± 0.0006827
146.7
146.6
146.5
146.4
146.3
146.2
146.1
146
145.9
pull
Entries 83
Mean 195
Std Dev 0
60
40
20
0
−20
−40
−60

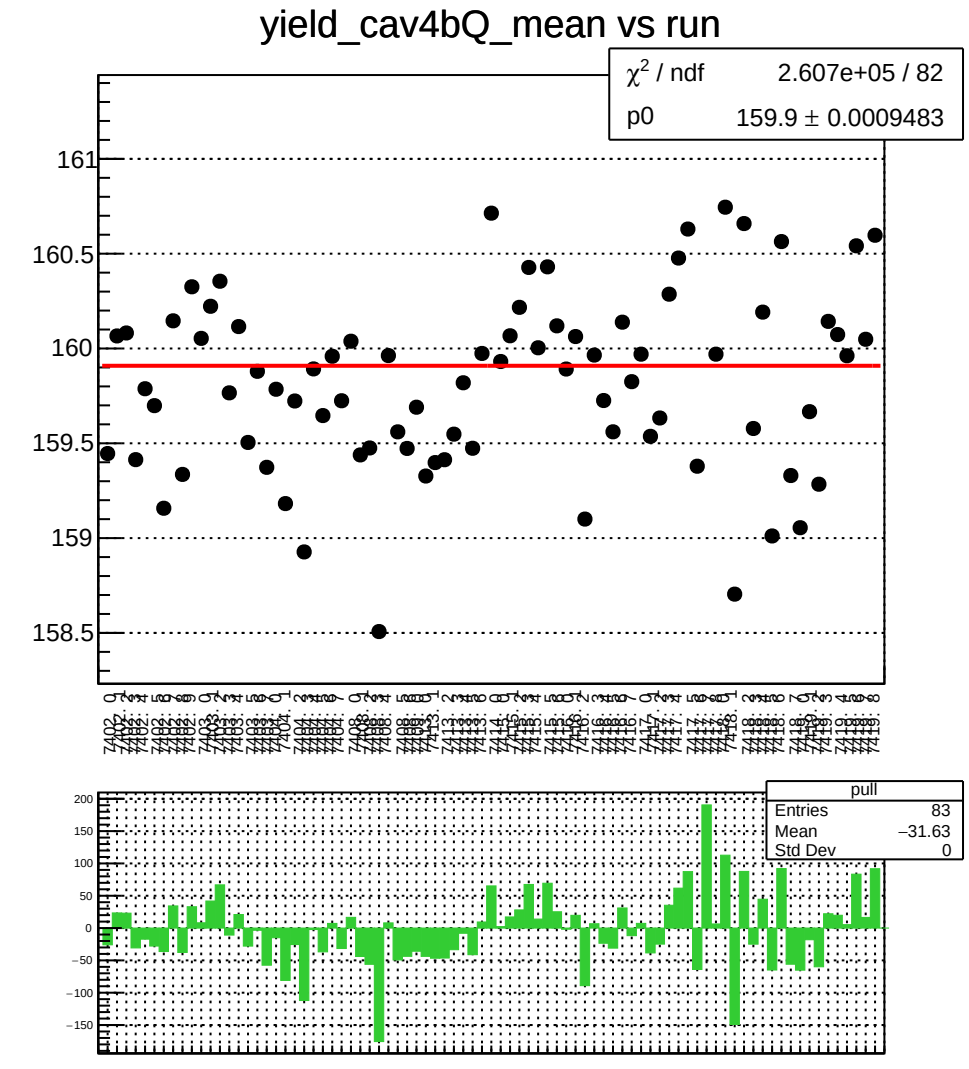

pull1D
Entries 83
Mean −1.053
Std Dev 3.882
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

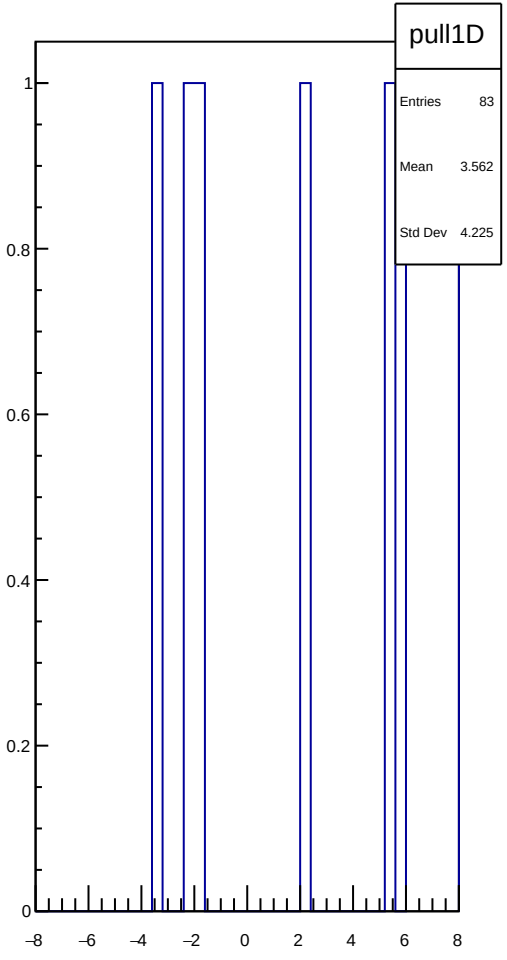

yield_bcm_dg_us_rms vs run
χ² / ndf 1.04e+04 / 82
p0 0.6045 ± 0.0004827
0.75
0.7
0.65
0.6
0.55
0.5

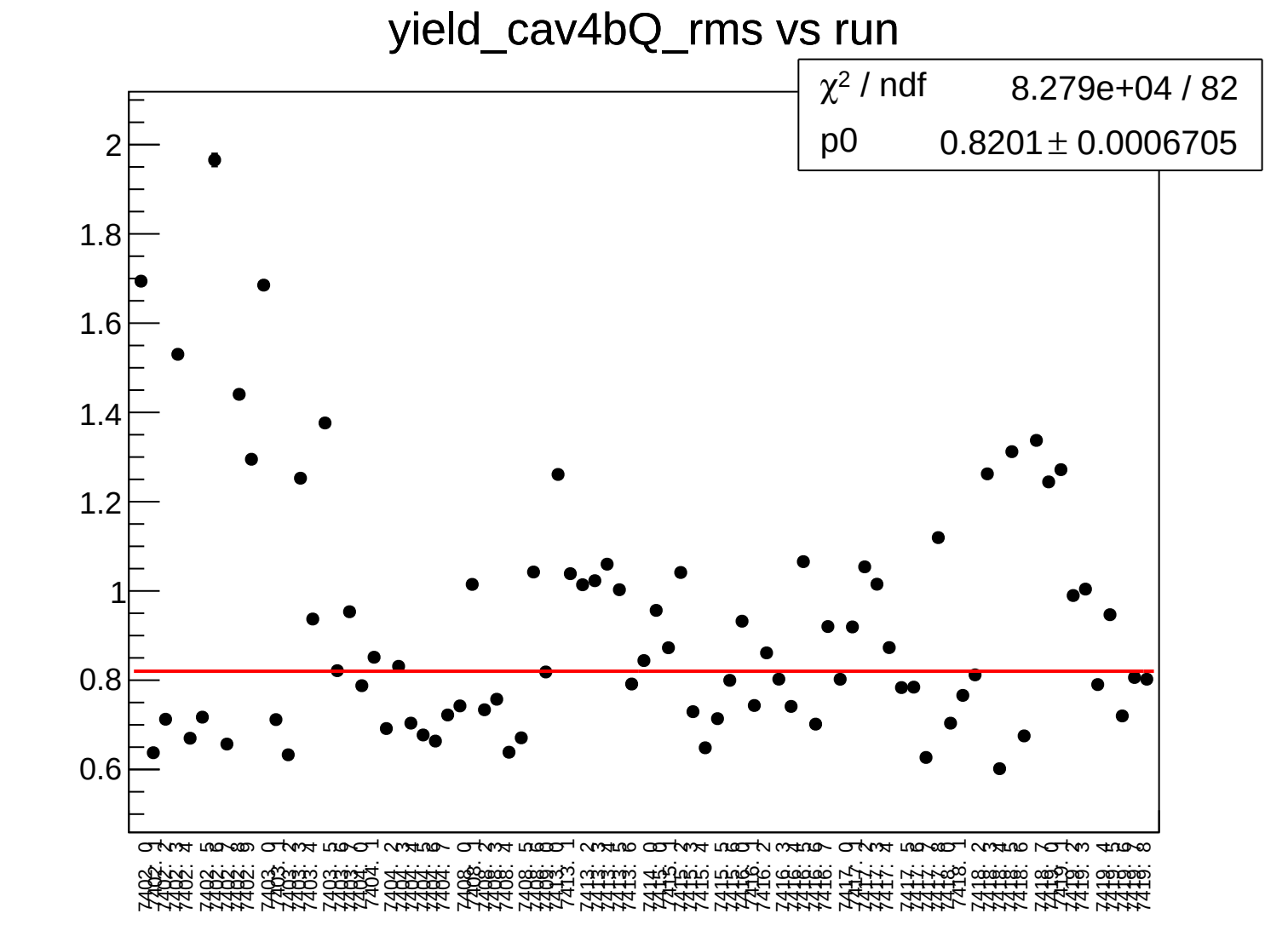

yield_bcm_dg_ds_mean vs run
χ² / ndf 5.634e+04 / 82
p0 144.9 ± 0.0006738
145.3
145.2
145.1
145
144.9
144.8
144.7
144.6
144.5
144.4
pull
Entries 83
Mean 195.1
Std Dev 0
60
40
20
0
−20
−40
−60

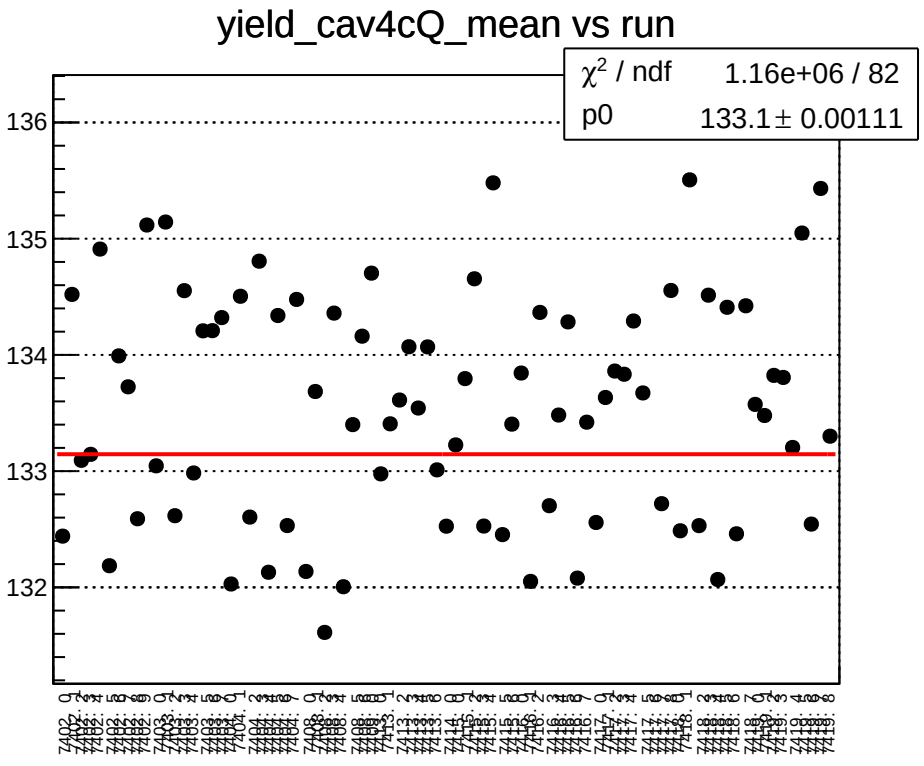

pull1D
Entries 83
Mean −0.6907
Std Dev 3.876
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

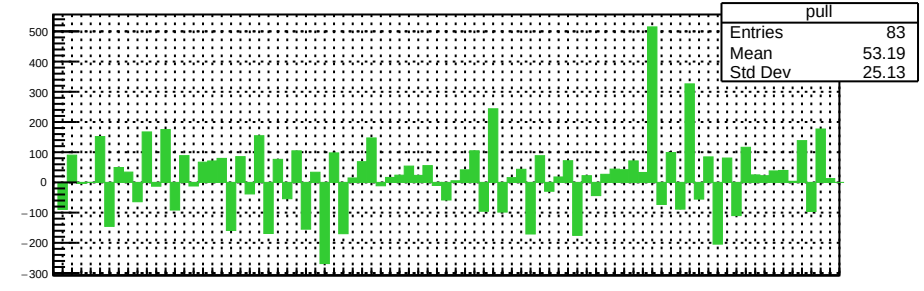

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.065e+04 / 82
p0 0.5966 ± 0.0004765
0.75
0.7
0.65
0.6
0.55
0.5

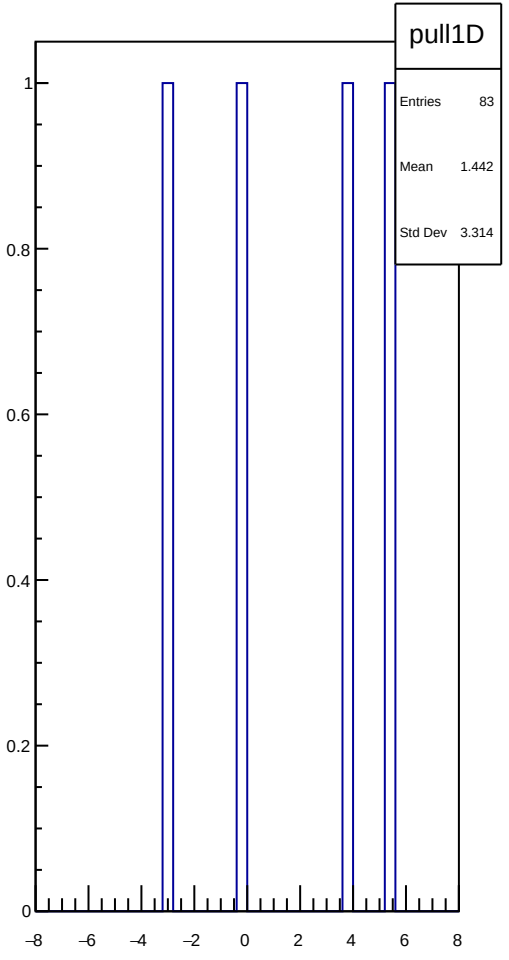

yield_cav4bQ_mean vs run
χ² / ndf 2.607e+05 / 82
p0 159.9 ± 0.0009483
161
160.5
160
159.5
159
158.5
pull
Entries 83
Mean −31.63
Std Dev 0
200
150
100
50
0
−50
−100
−150

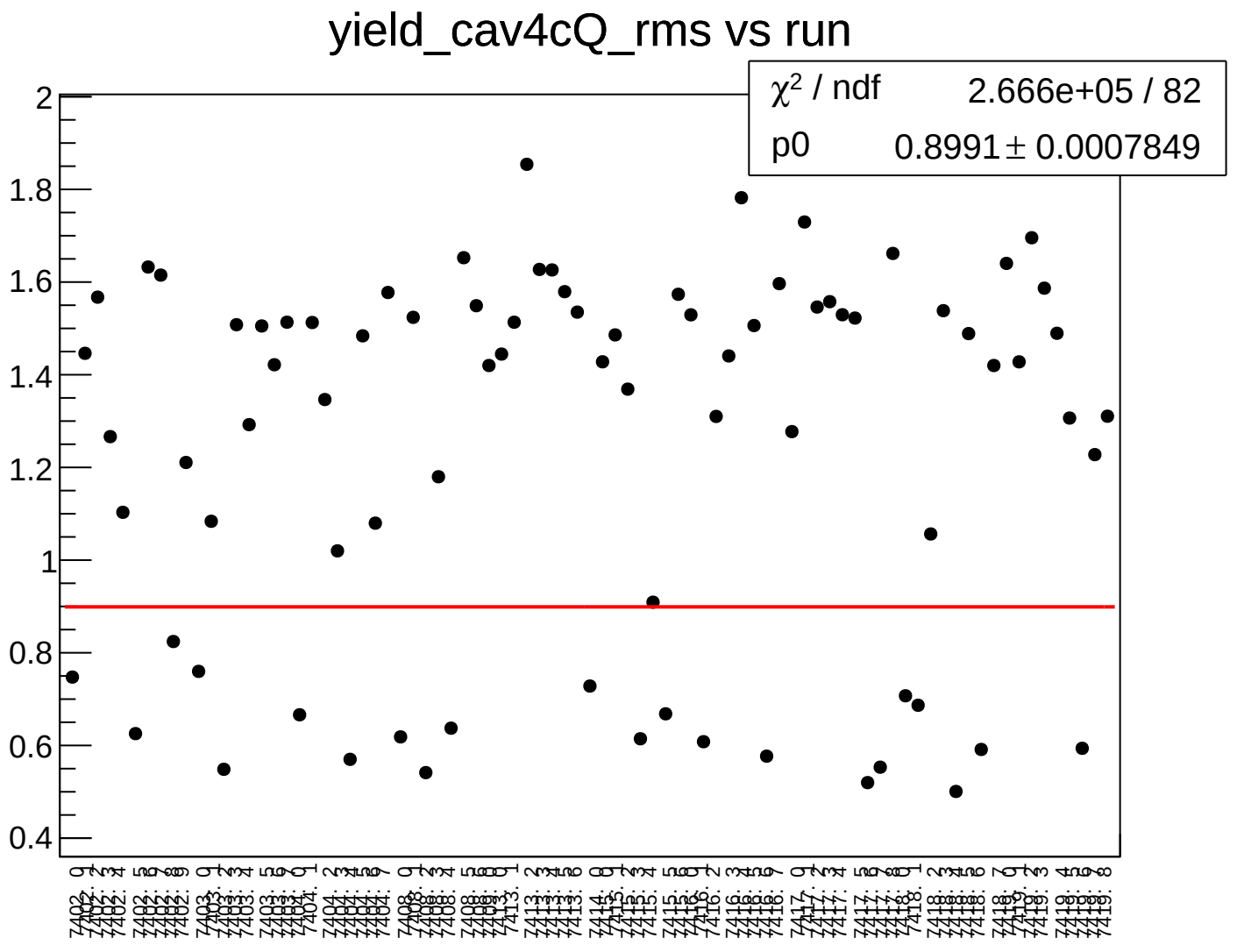

pull1D
Entries 83
Mean 3.562
Std Dev 4.225
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

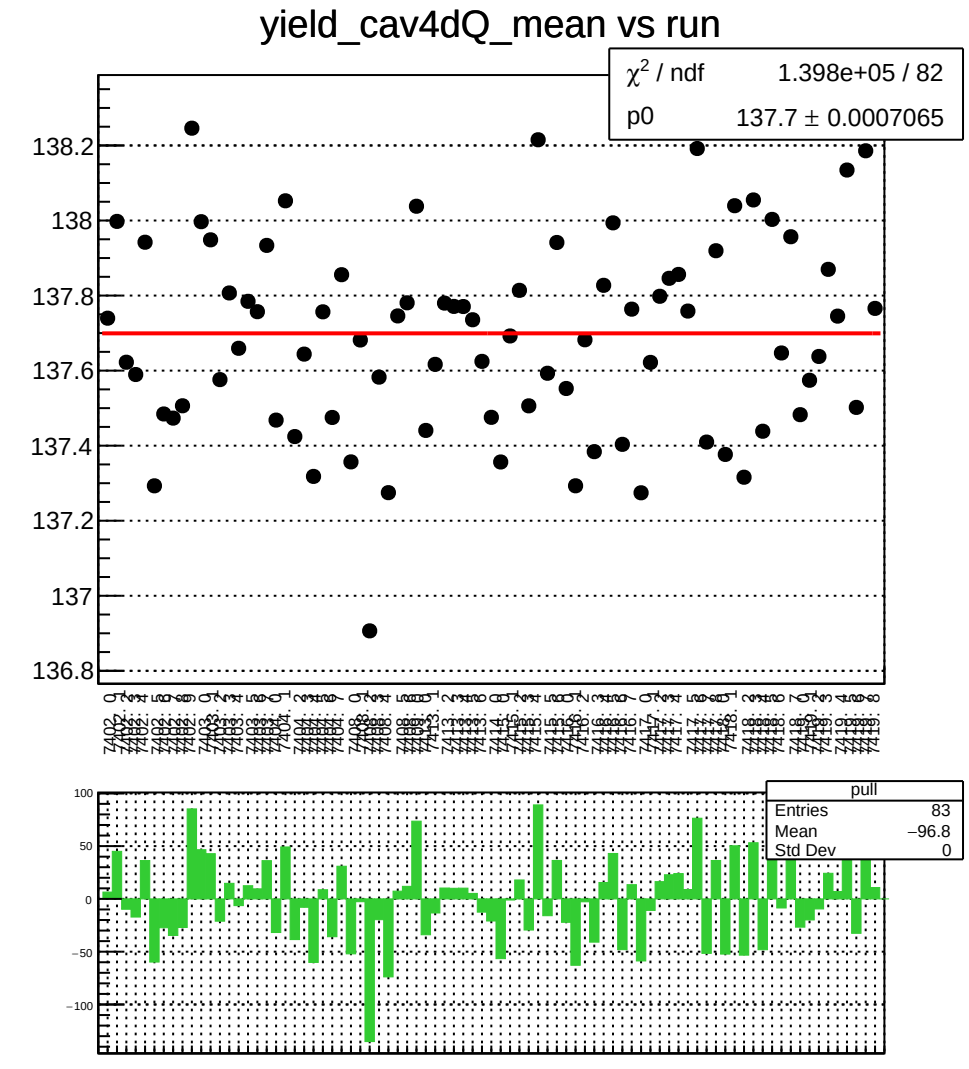

yield_cav4bQ_rms vs run
χ² / ndf 8.279e+04 / 82
p0 0.8201 ± 0.0006705
2
1.8
1.6
1.4
1.2
1
0.8
0.6

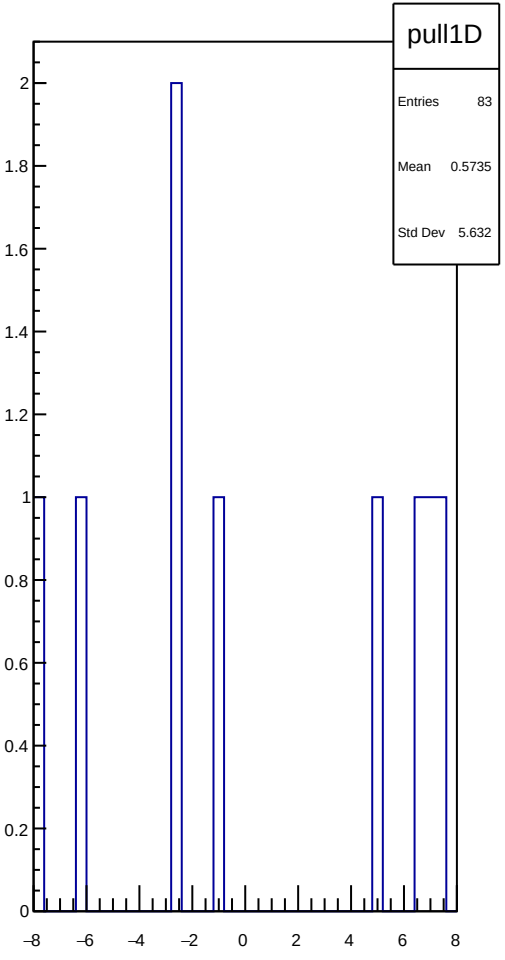

yield_cav4cQ_mean vs run
χ² / ndf 1.16e+06 / 82
p0 133.1 ± 0.00111
136
135
134
133
132

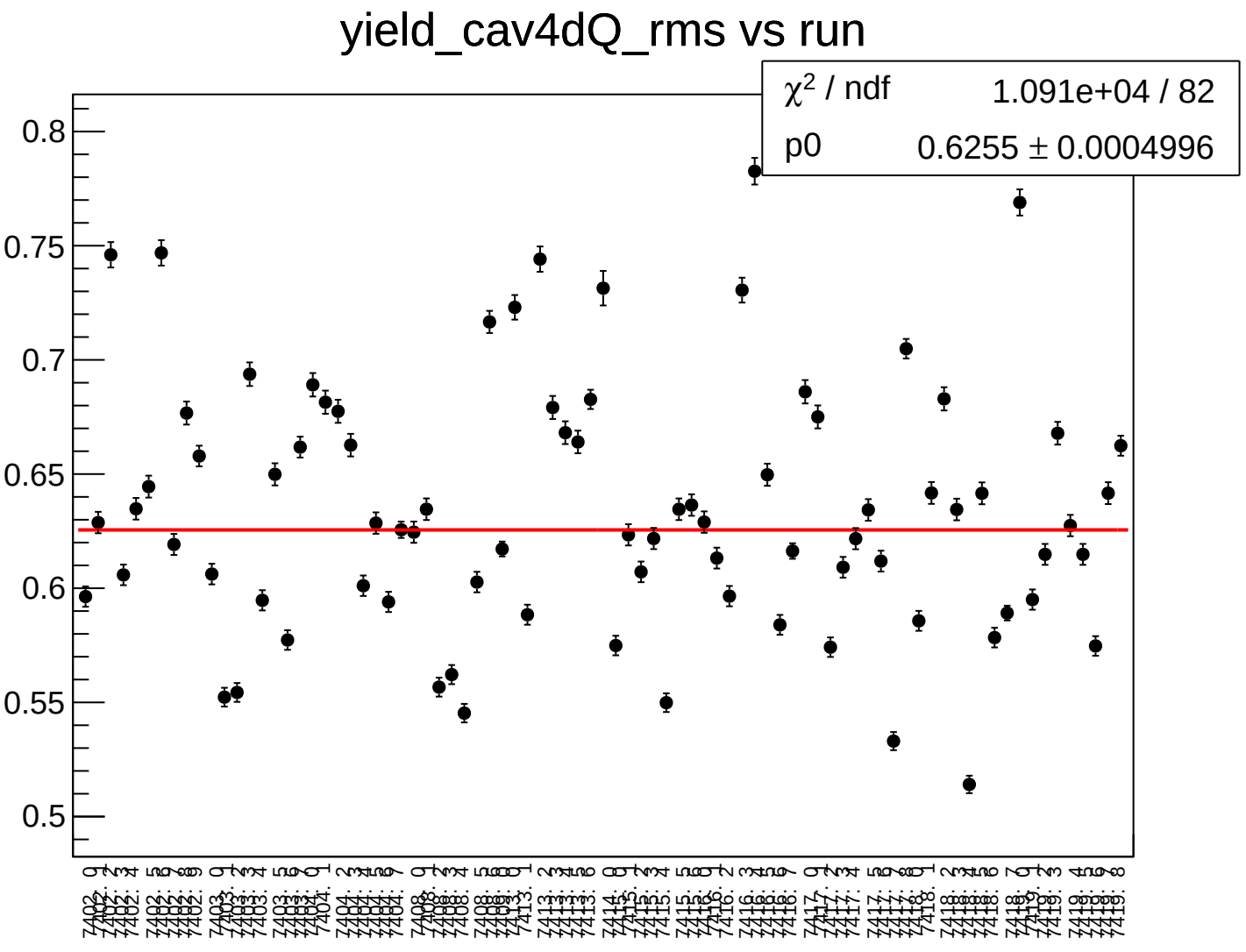

pull
Entries 83
Mean 53.19
Std Dev 25.13
500
400
300
200
100
0
−100
−200
−300

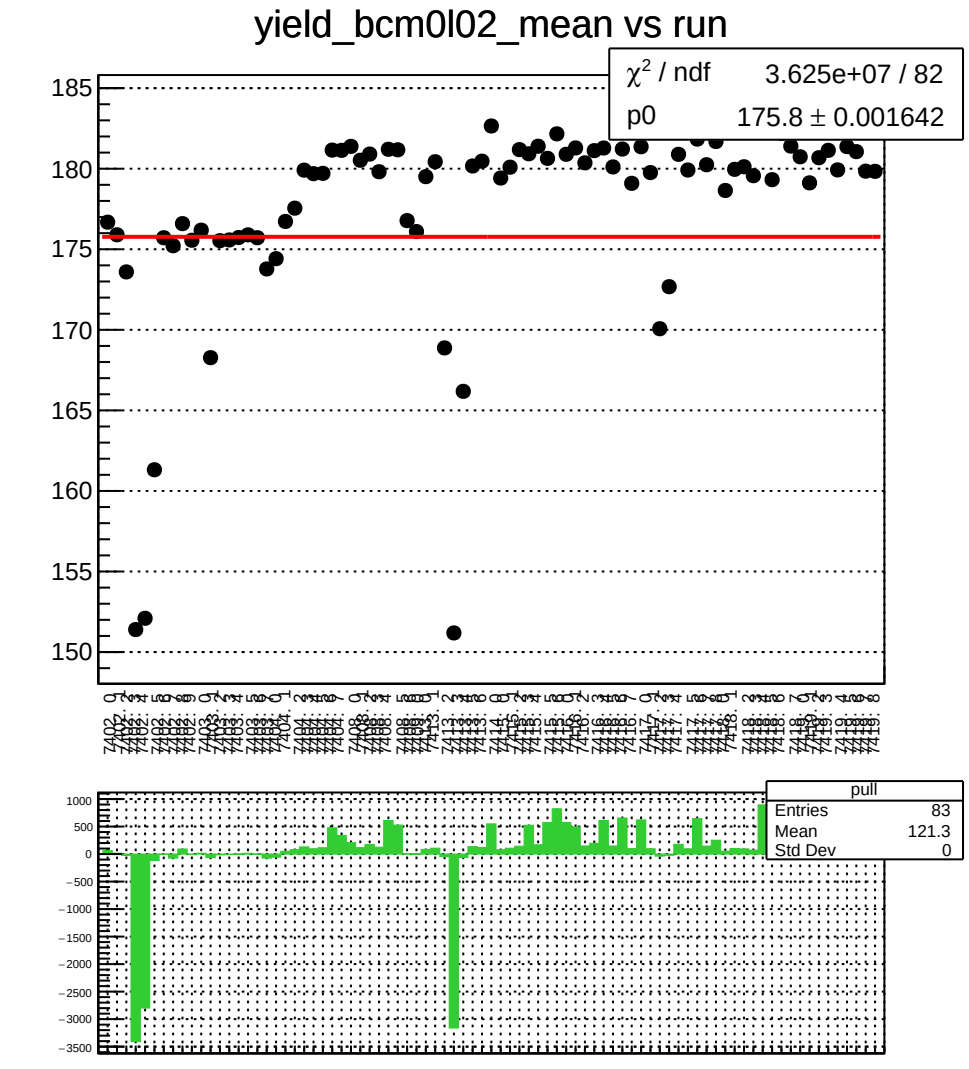

pull1D
Entries 83
Mean 1.442
Std Dev 3.314
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

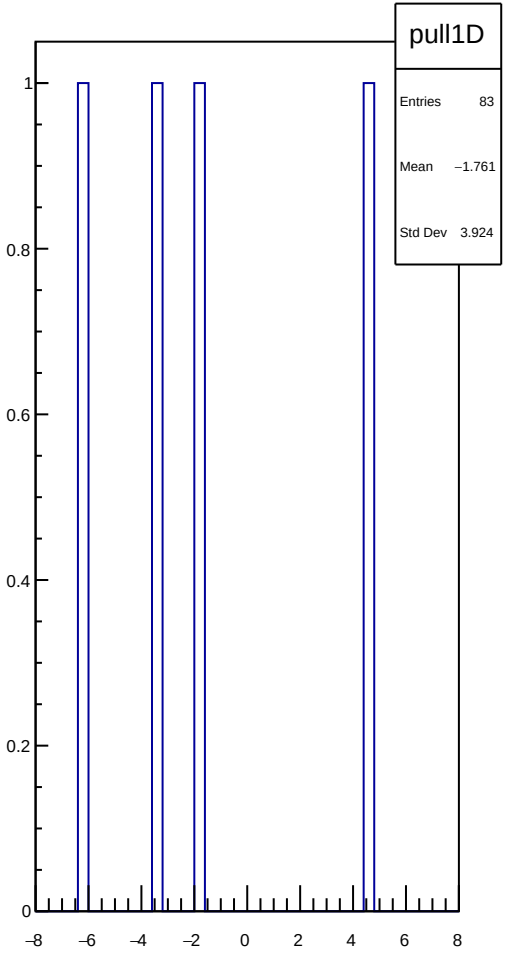

yield_cav4cQ_rms vs run
χ² / ndf 2.666e+05 / 82
p0 0.8991 ± 0.0007849
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

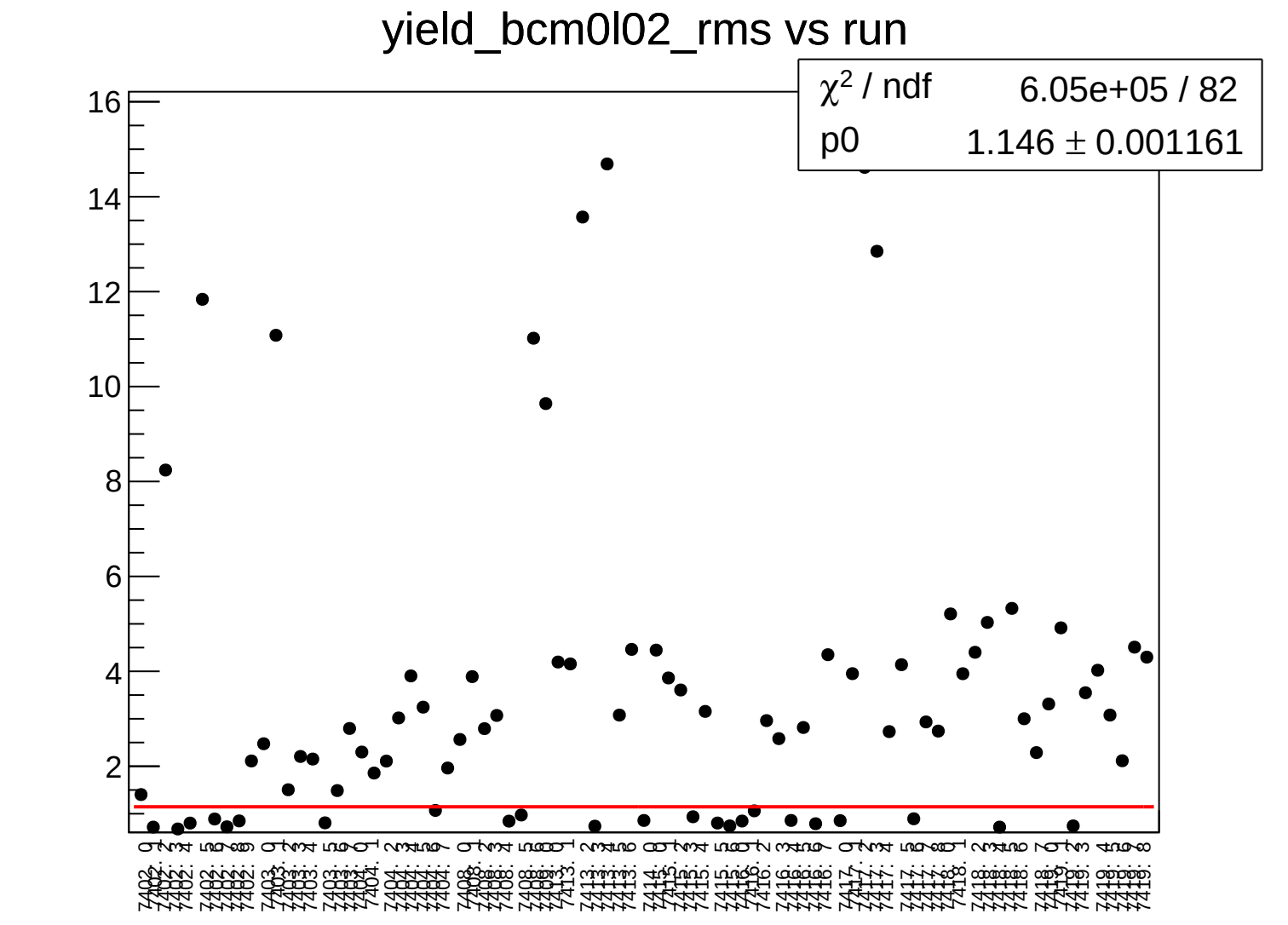

yield_cav4dQ_mean vs run
χ² / ndf 1.398e+05 / 82
p0 137.7 ± 0.0007065
138.2
138
137.8
137.6
137.4
137.2
137
136.8
pull
Entries 83
Mean −96.8
Std Dev 0
100
50
0
−50
−100

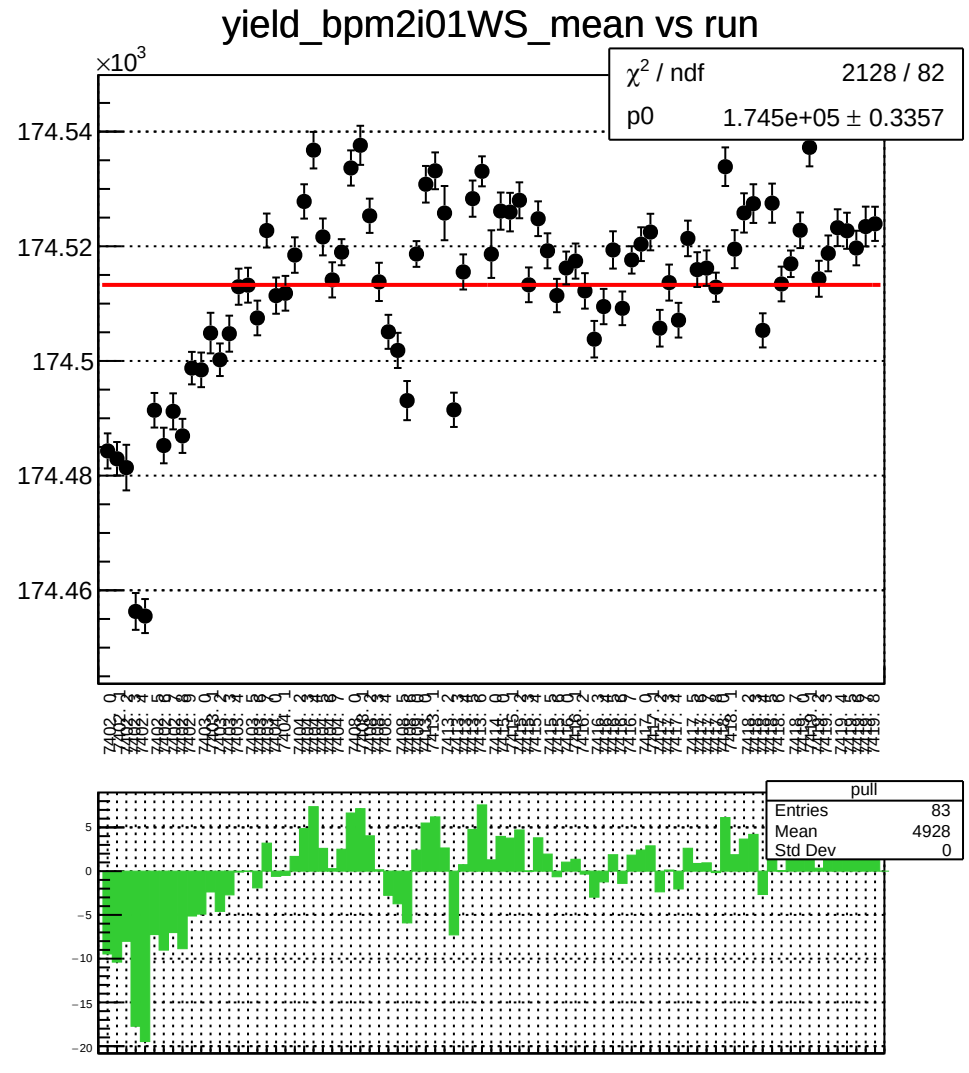

pull1D
Entries 83
Mean 0.5735
Std Dev 5.632
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

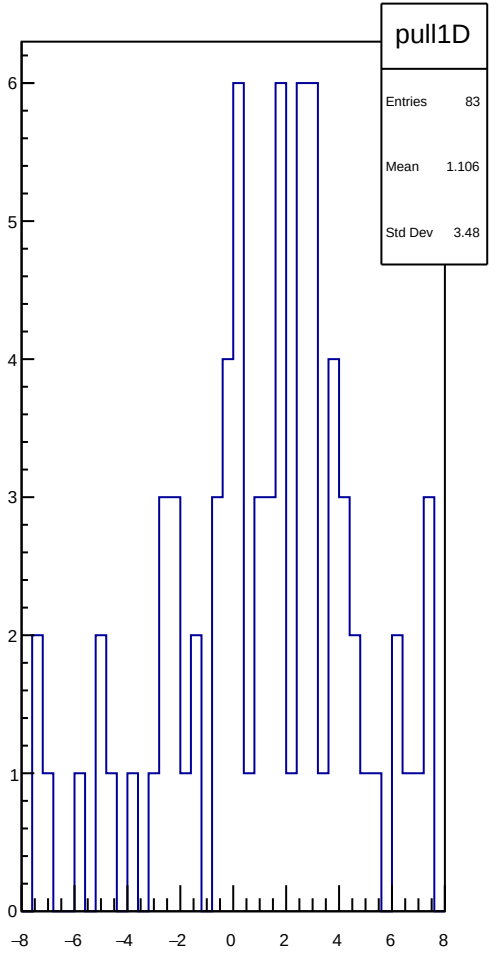

yield_cav4dQ_rms vs run
χ² / ndf 1.091e+04 / 82
p0 0.6255 ± 0.0004996
0.8
0.75
0.7
0.65
0.6
0.55
0.5

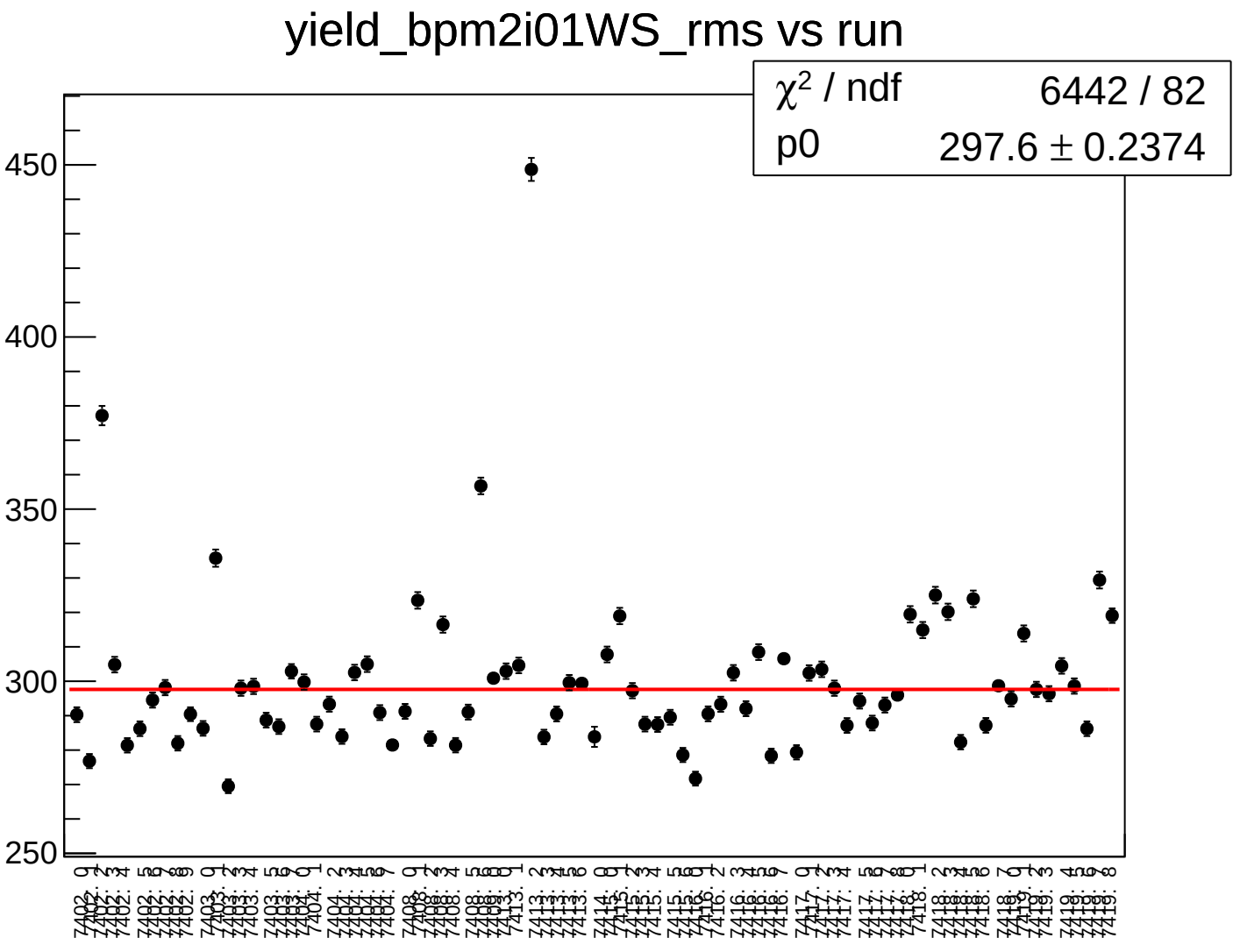

yield_bcm0l02_mean vs run
χ² / ndf 3.625e+07 / 82
p0 175.8 ± 0.001642
185
180
175
170
165
160
155
150
pull
Entries 83
Mean 121.3
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

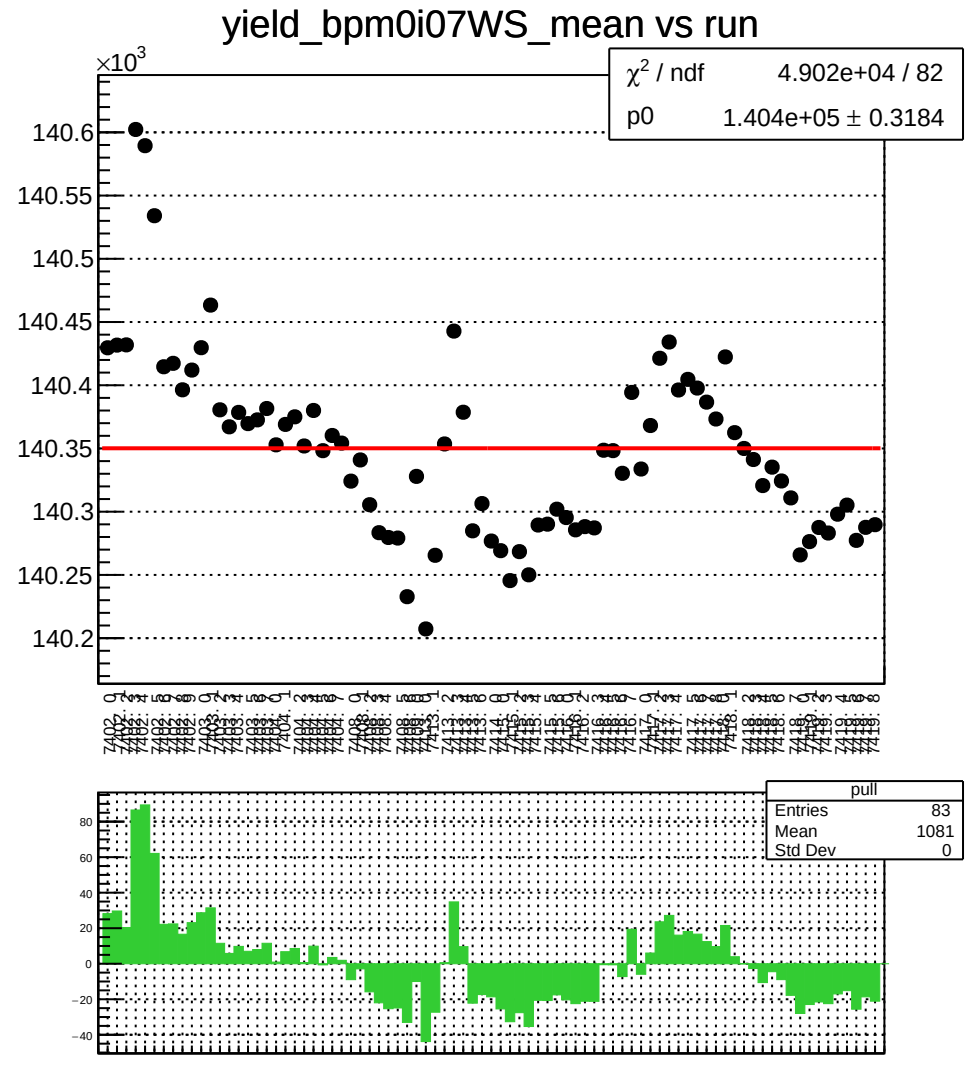

pull1D
Entries 83
Mean −1.761
Std Dev 3.924
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

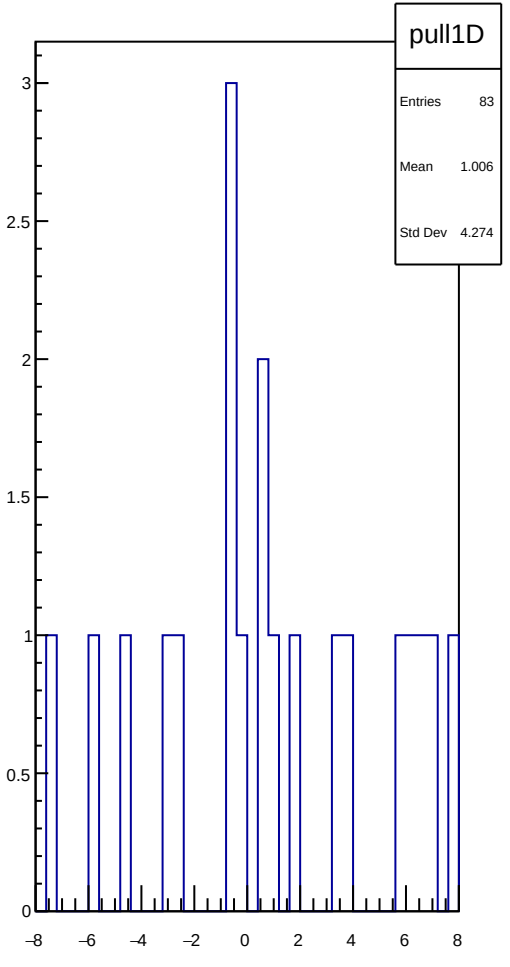

yield_bcm0l02_rms vs run
χ^2 / ndf 6.05e+05 / 82
p0 1.146 ± 0.001161
16
14
12
10
8
6
4
2

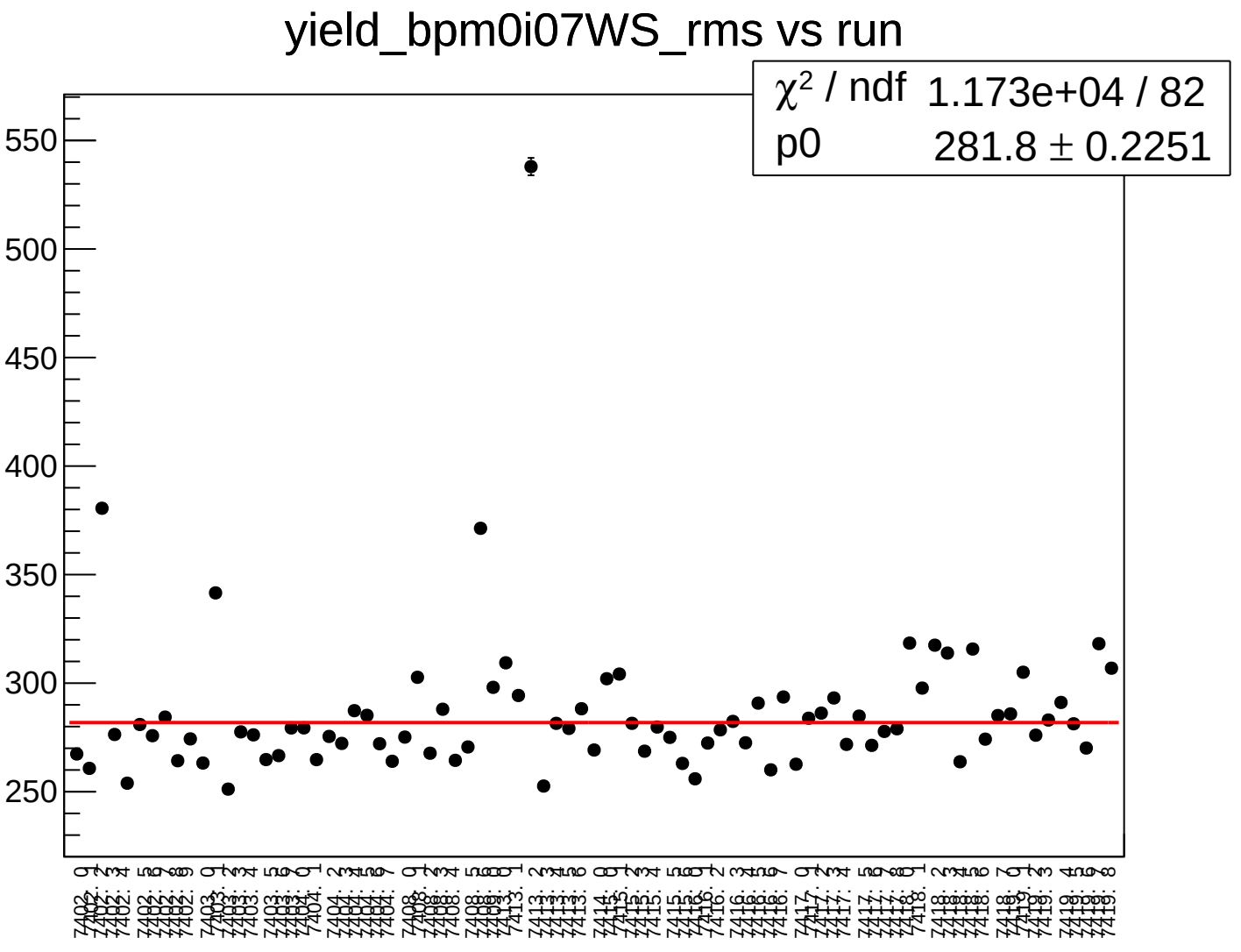

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2128 / 82
p0 1.745e+05 ± 0.3357
174.54
174.52
174.5
174.48
174.46
pull
Entries 83
Mean 4928
Std Dev 0
5
0
−5
−10
−15
−20

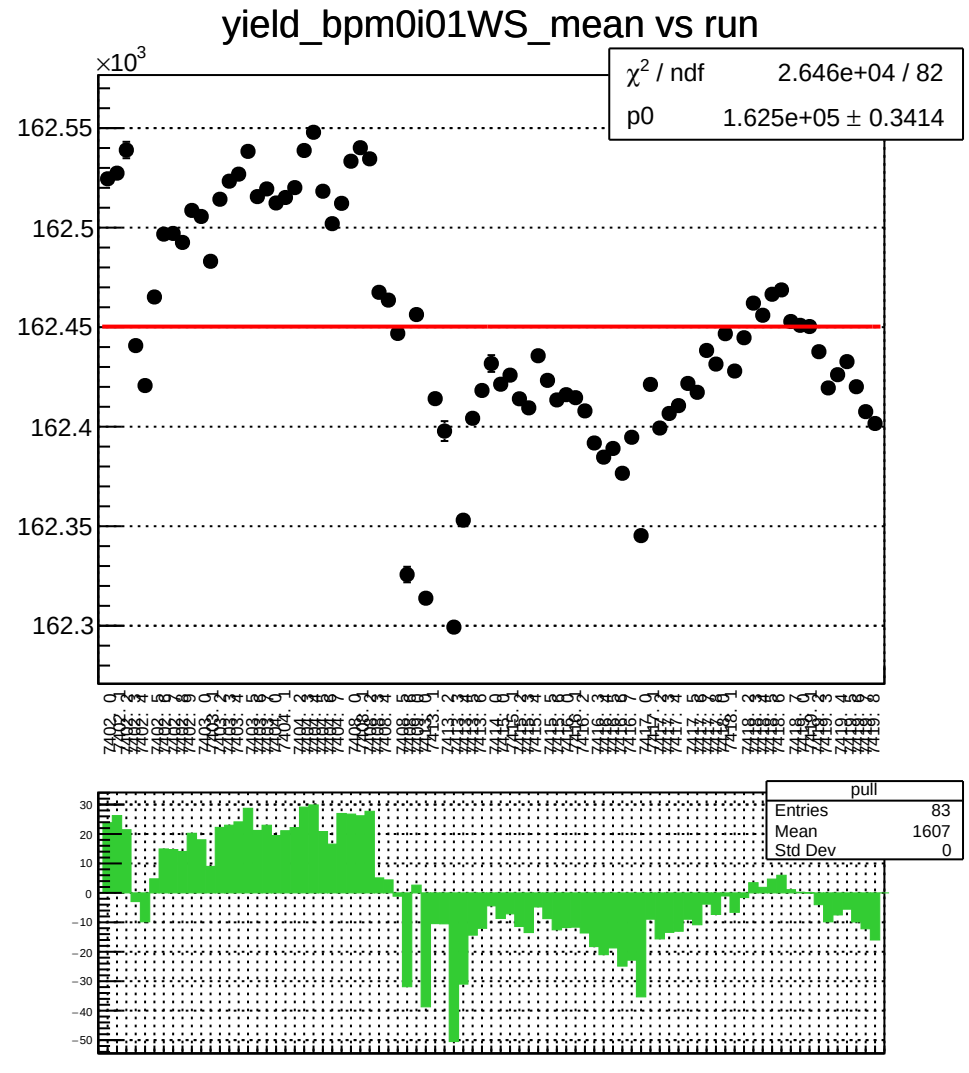

pull1D
Entries 83
Mean 1.106
Std Dev 3.48
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

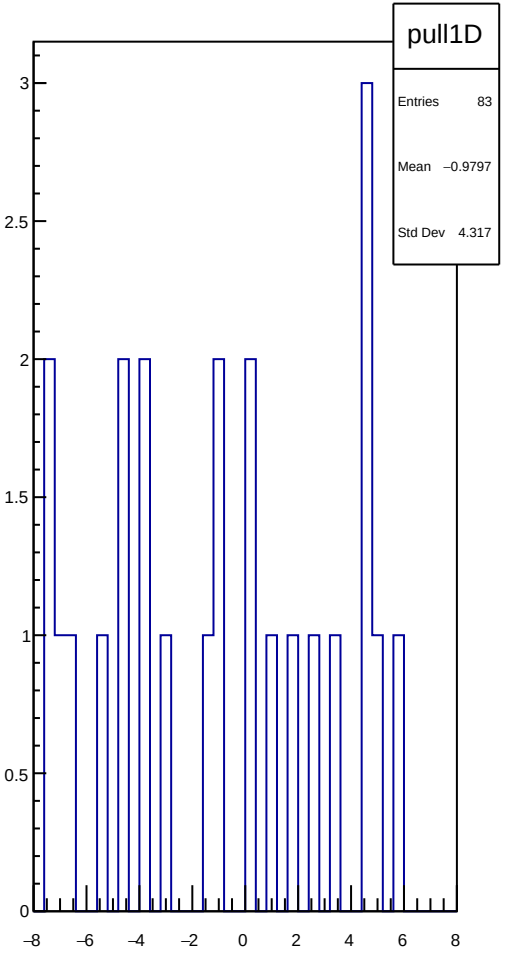

yield_bpm2i01WS_rms vs run
χ² / ndf 6442 / 82
p0 297.6 ± 0.2374
450
400
350
300
250

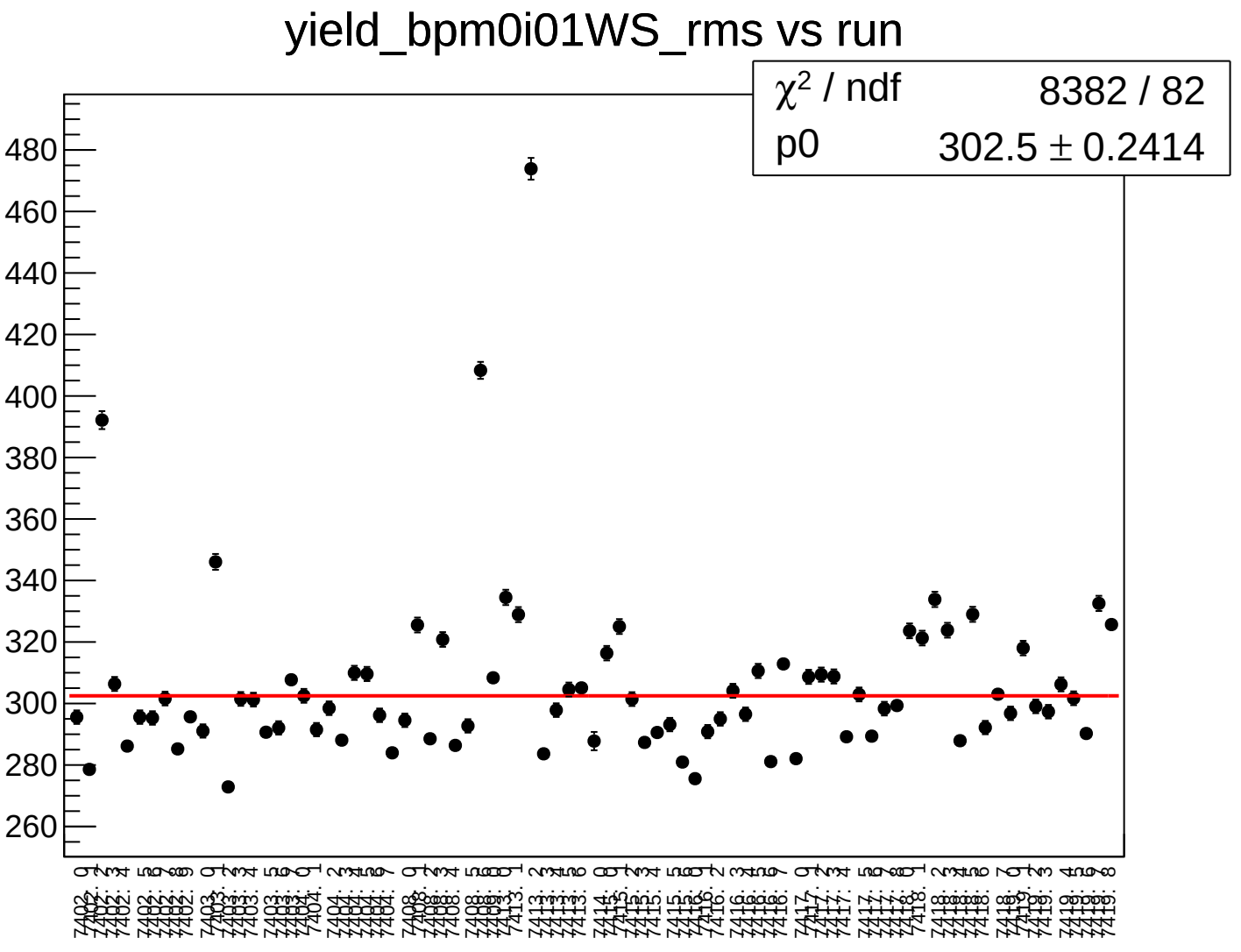

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 4.902e+04 / 82
p0 1.404e+05 ± 0.3184
140.6
140.55
140.5
140.45
140.4
140.35
140.3
140.25
140.2
pull
Entries 83
Mean 1081
Std Dev 0
80
60
40
20
0
−20
−40

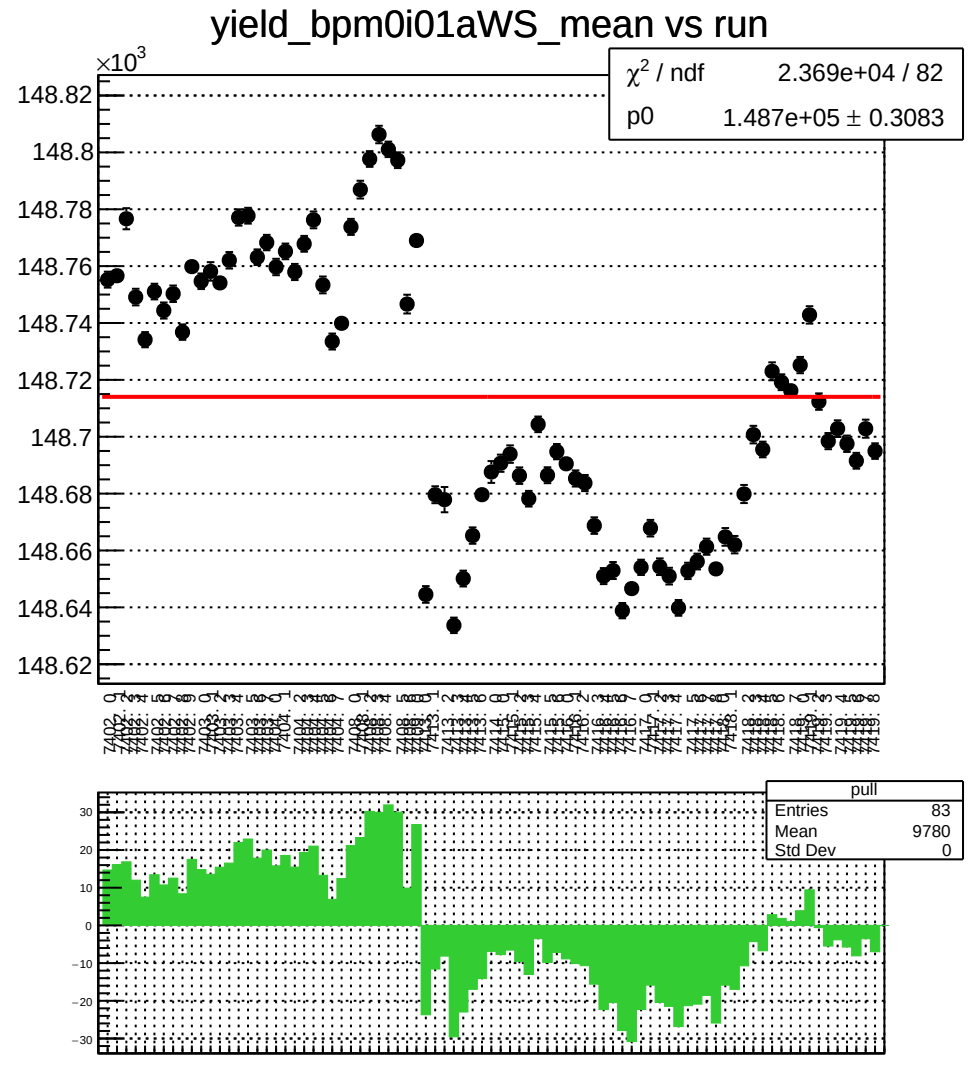

pull1D
Entries 83
Mean 1.006
Std Dev 4.274
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

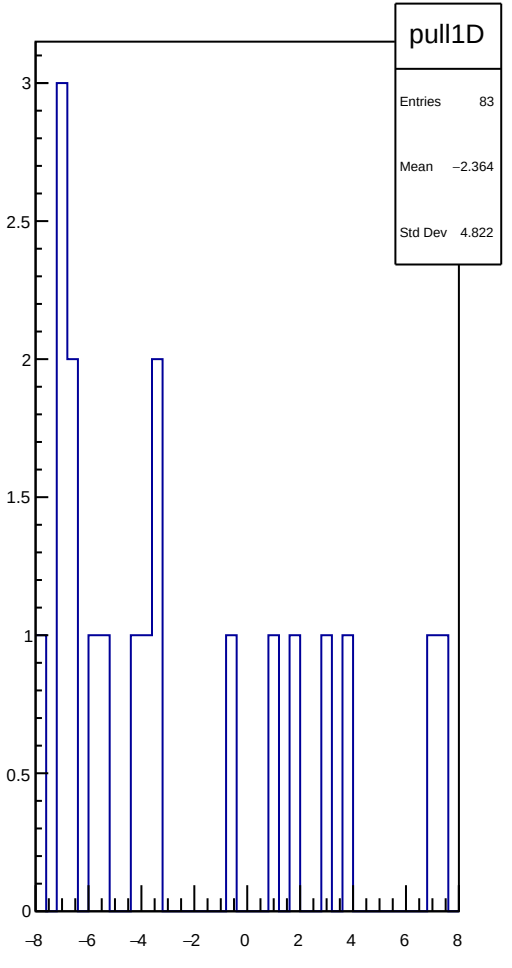

yield_bpm0i07WS_rms vs run
χ² / ndf 1.173e+04 / 82
p0 281.8 ± 0.2251
550
500
450
400
350
300
250

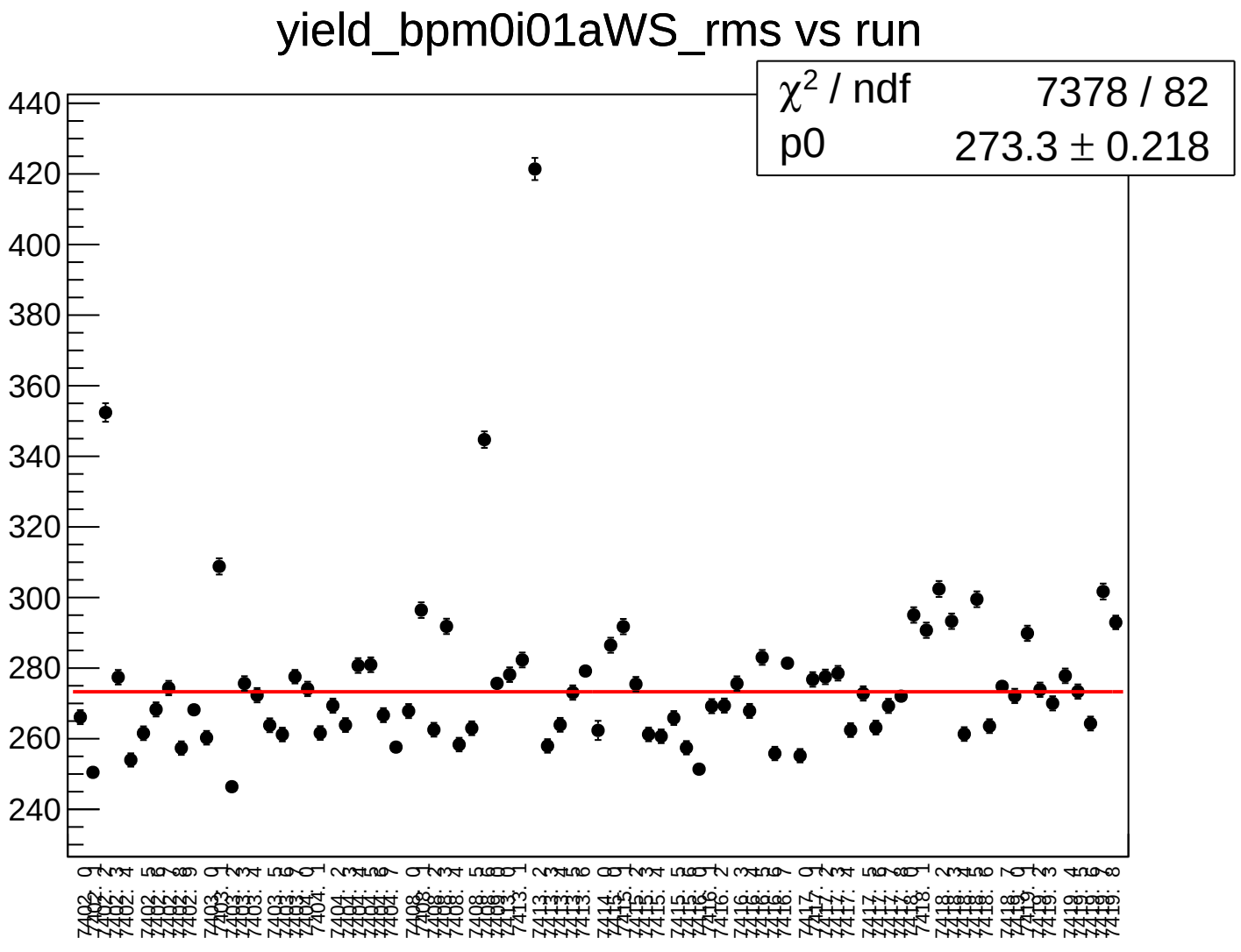

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 2.646e+04 / 82
p0 1.625e+05 ± 0.3414
162.55
162.5
162.45
162.4
162.35
162.3
pull
Entries 83
Mean 1607
Std Dev 0
30
20
10
0
−10
−20
−30
−40
−50

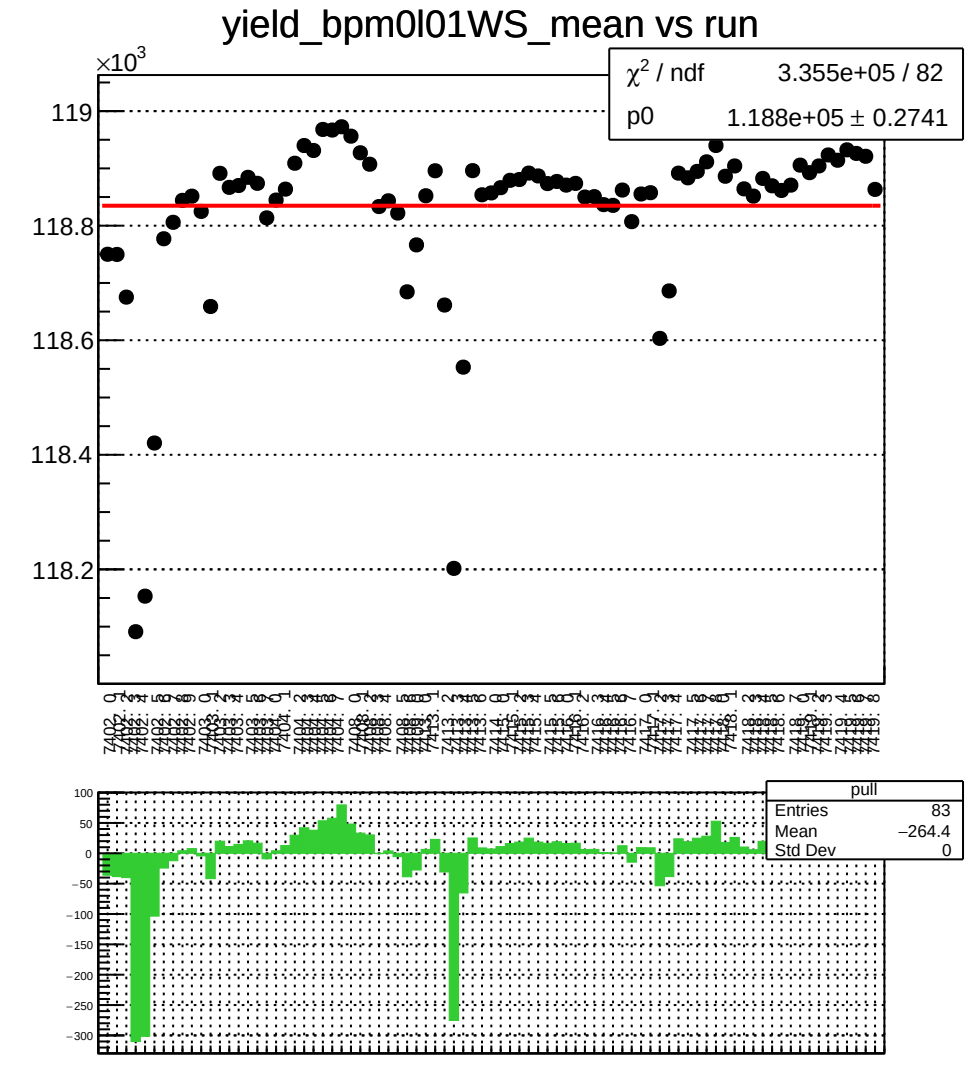

pull1D
Entries 83
Mean −0.9797
Std Dev 4.317
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

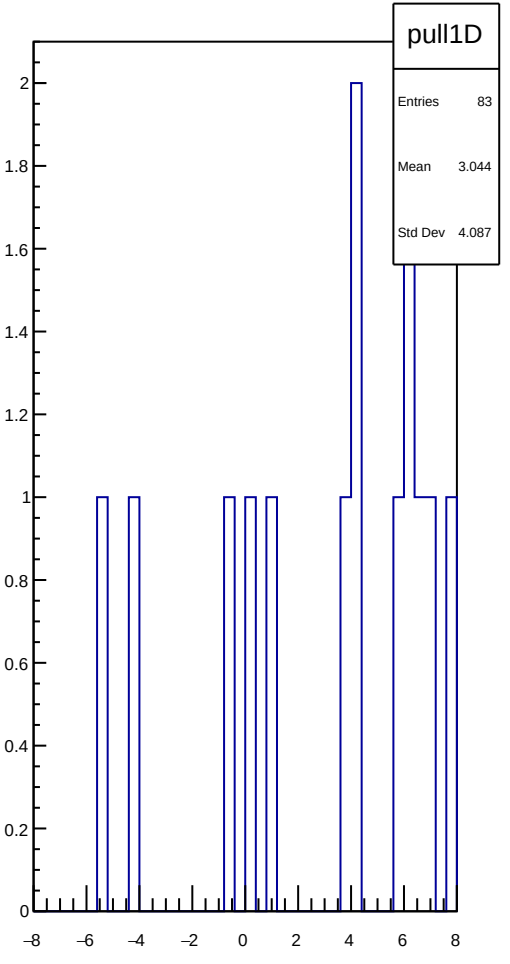

yield_bpm0i01WS_rms vs run
χ² / ndf 8382 / 82
p0 302.5 ± 0.2414
480
460
440
420
400
380
360
340
320
300
280
260

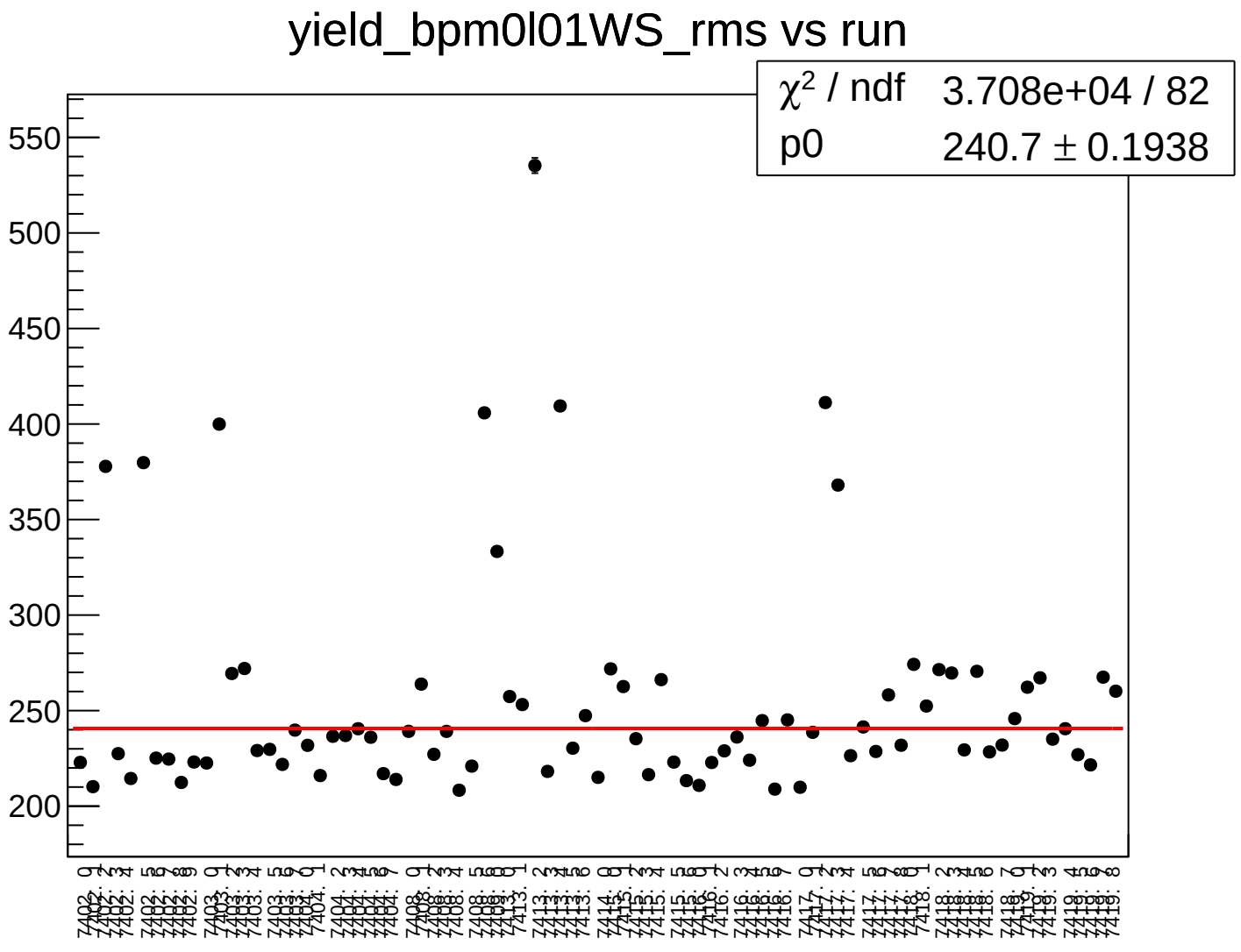

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 2.369e+04 / 82
p0 1.487e+05 ± 0.3083
148.82
148.8
148.78
148.76
148.74
148.72
148.7
148.68
148.66
148.64
148.62
pull
Entries 83
Mean 9780
Std Dev 0
30
20
10
0
−10
−20
−30

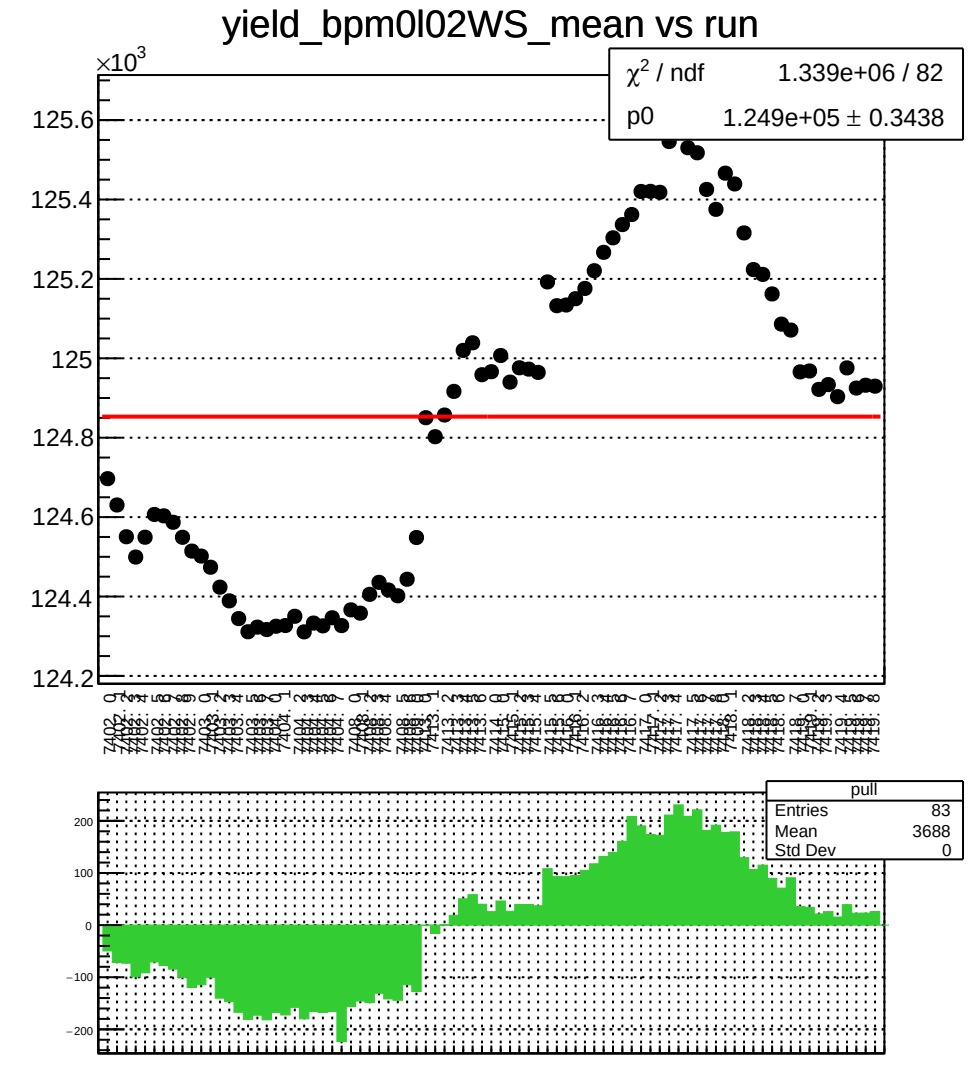

pull1D
Entries 83
Mean −2.364
Std Dev 4.822
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

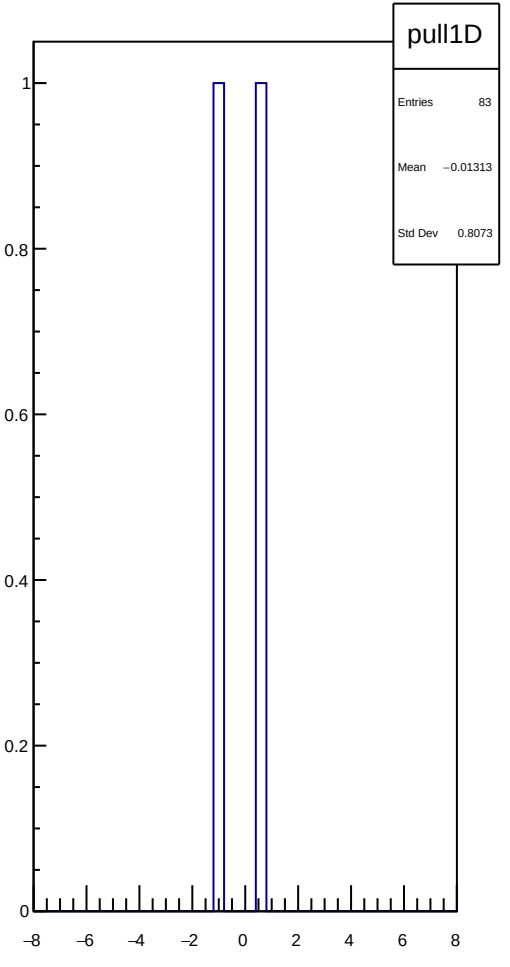

yield_bpm0i01aWS_rms vs run
χ^2 / ndf 7378 / 82
p0 273.3 ± 0.218
440
420
400
380
360
340
320
300
280
260
240

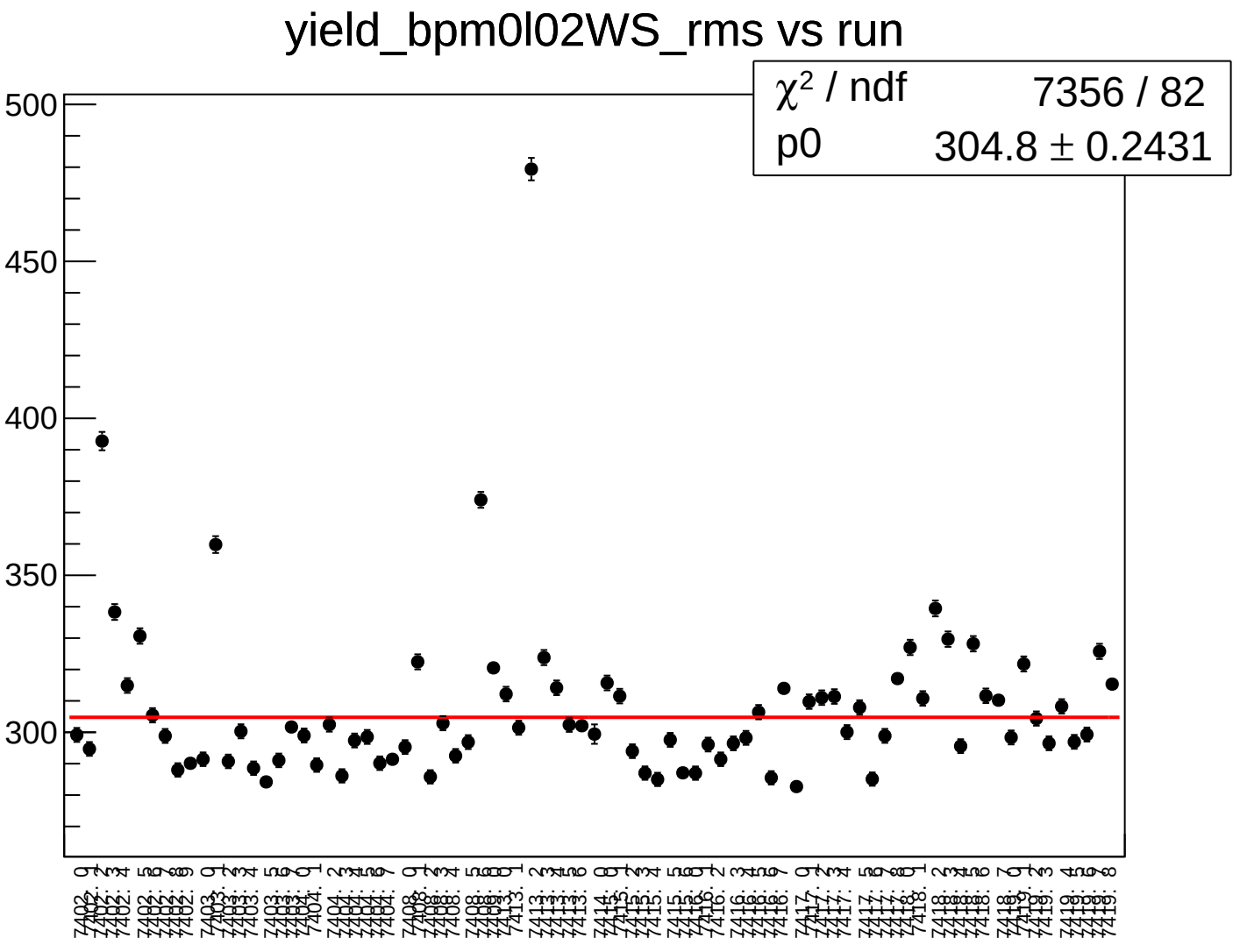

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.355e+05 / 82
p0 1.188e+05 ± 0.2741
119
118.8
118.6
118.4
118.2
pull
Entries 83
Mean −264.4
Std Dev 0
100
50
0
−50
−100
−150
−200
−250
−300

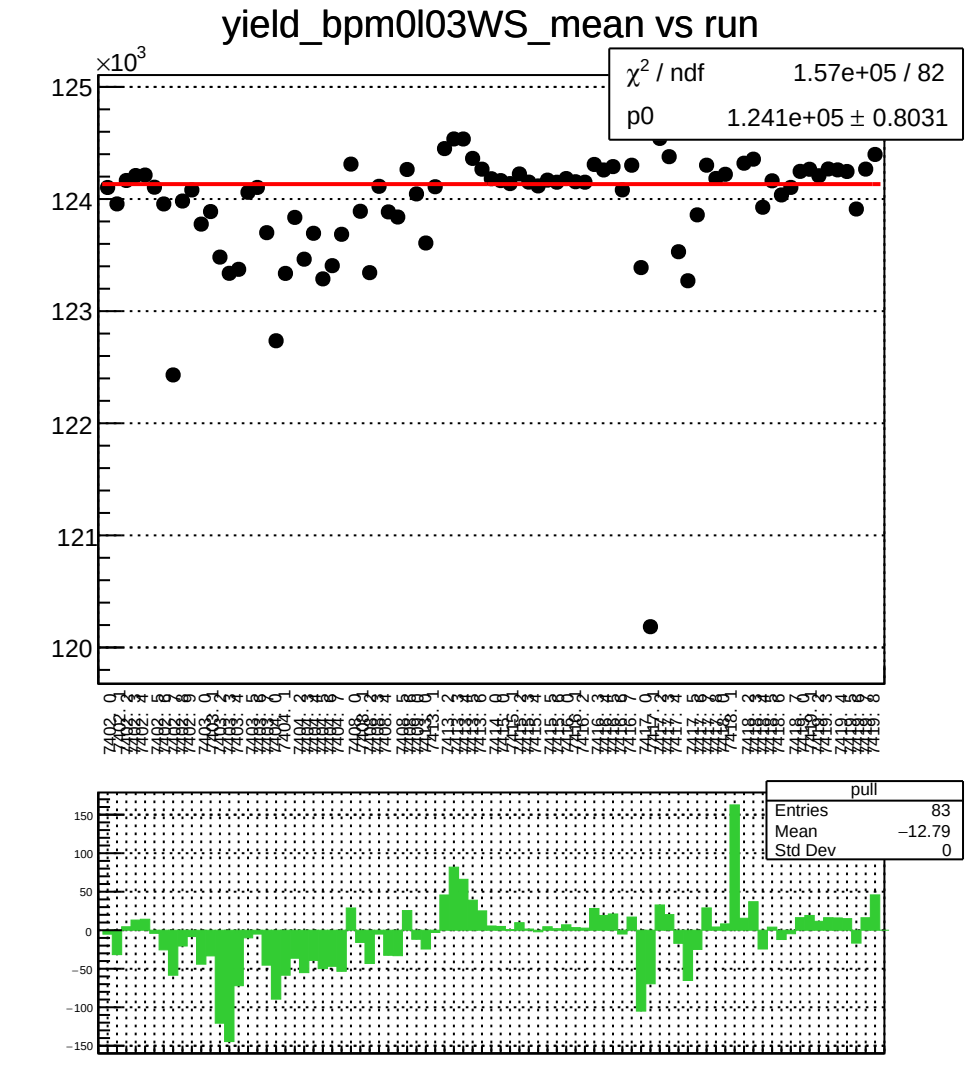

pull1D
Entries 83
Mean 3.044
Std Dev 4.087
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

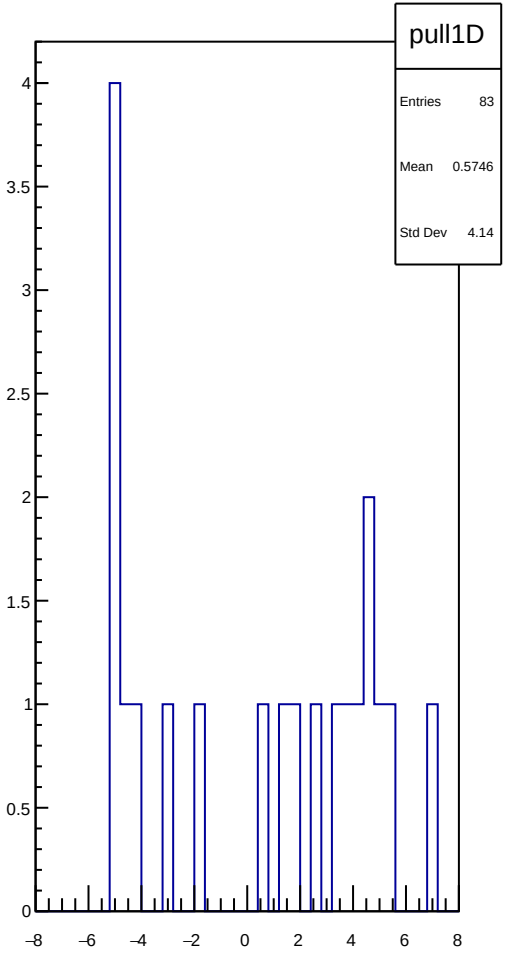

yield_bpm0l01WS_rms vs run
χ² / ndf 3.708e+04 / 82
p0 240.7 ± 0.1938
550
500
450
400
350
300
250
200

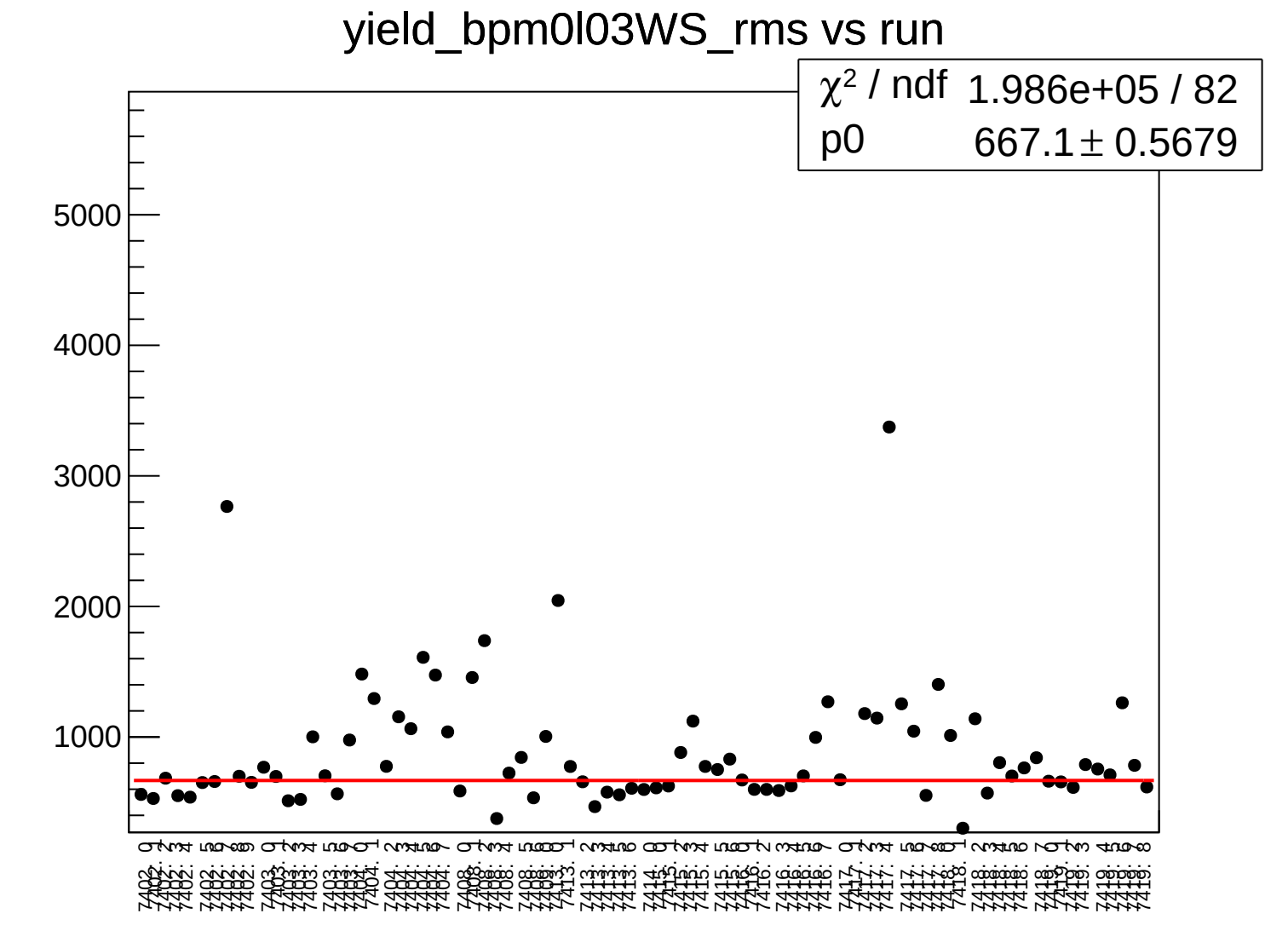

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 1.339e+06 / 82
p0 1.249e+05 ± 0.3438
125.6
125.4
125.2
125
124.8
124.6
124.4
124.2
pull
Entries 83
Mean 3688
Std Dev 0
200
100
0
−100
−200

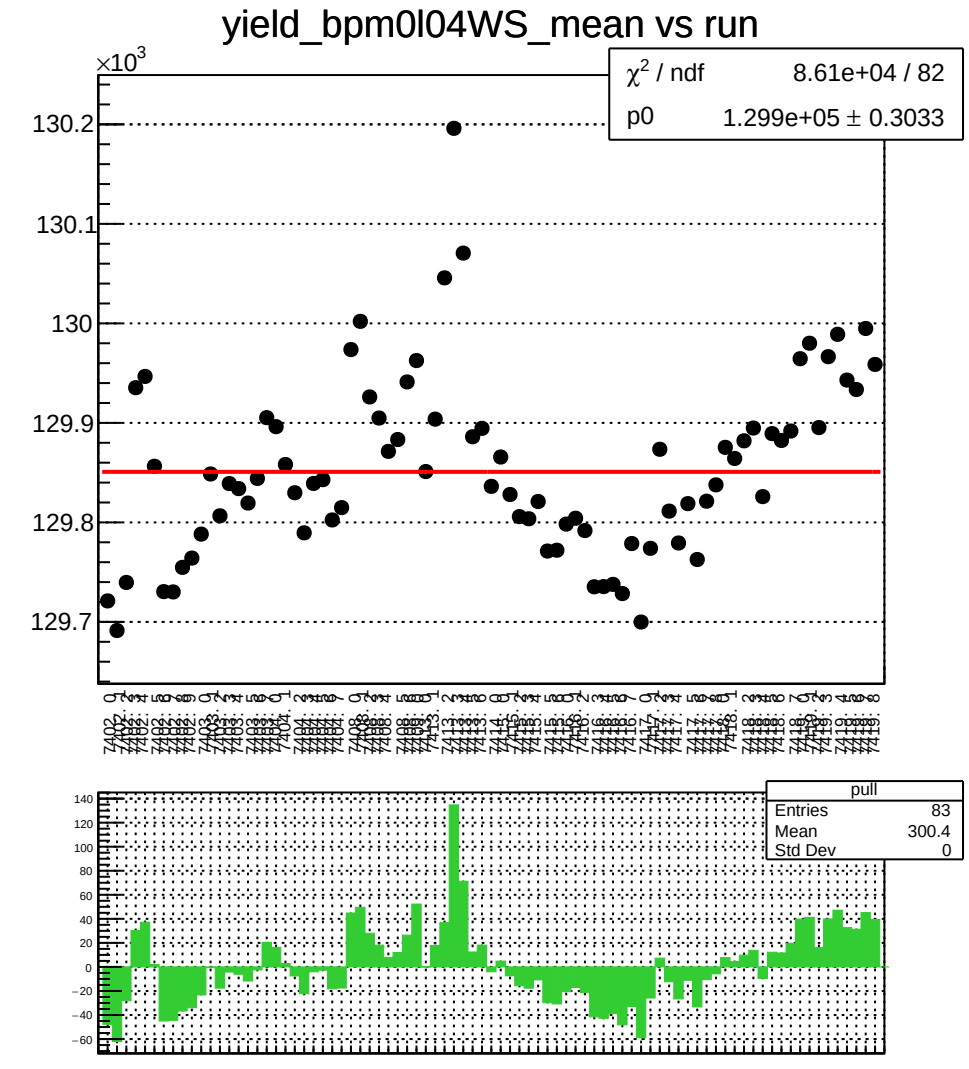

pull1D
Entries 83
Mean −0.01313
Std Dev 0.8073
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

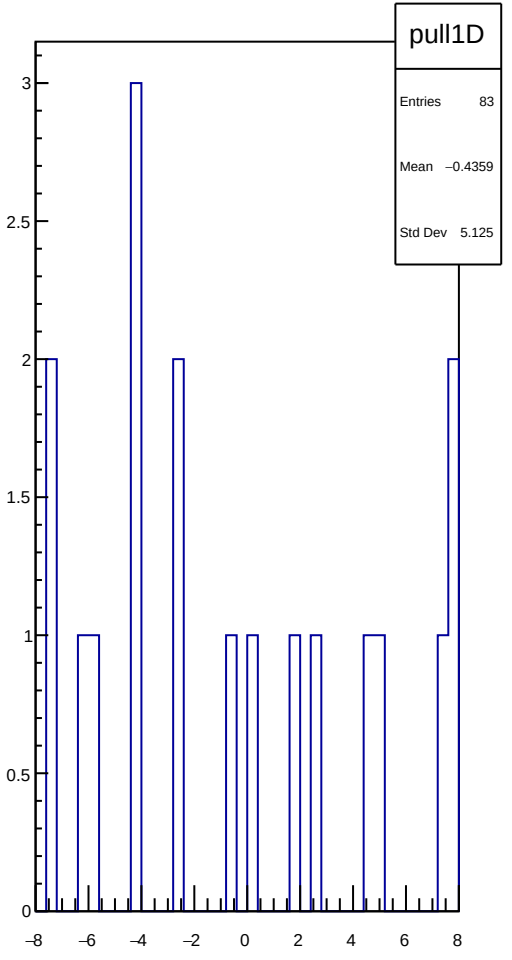

yield_bpm0l02WS_rms vs run
χ² / ndf 7356 / 82
p0 304.8 ± 0.2431
500
450
400
350
300

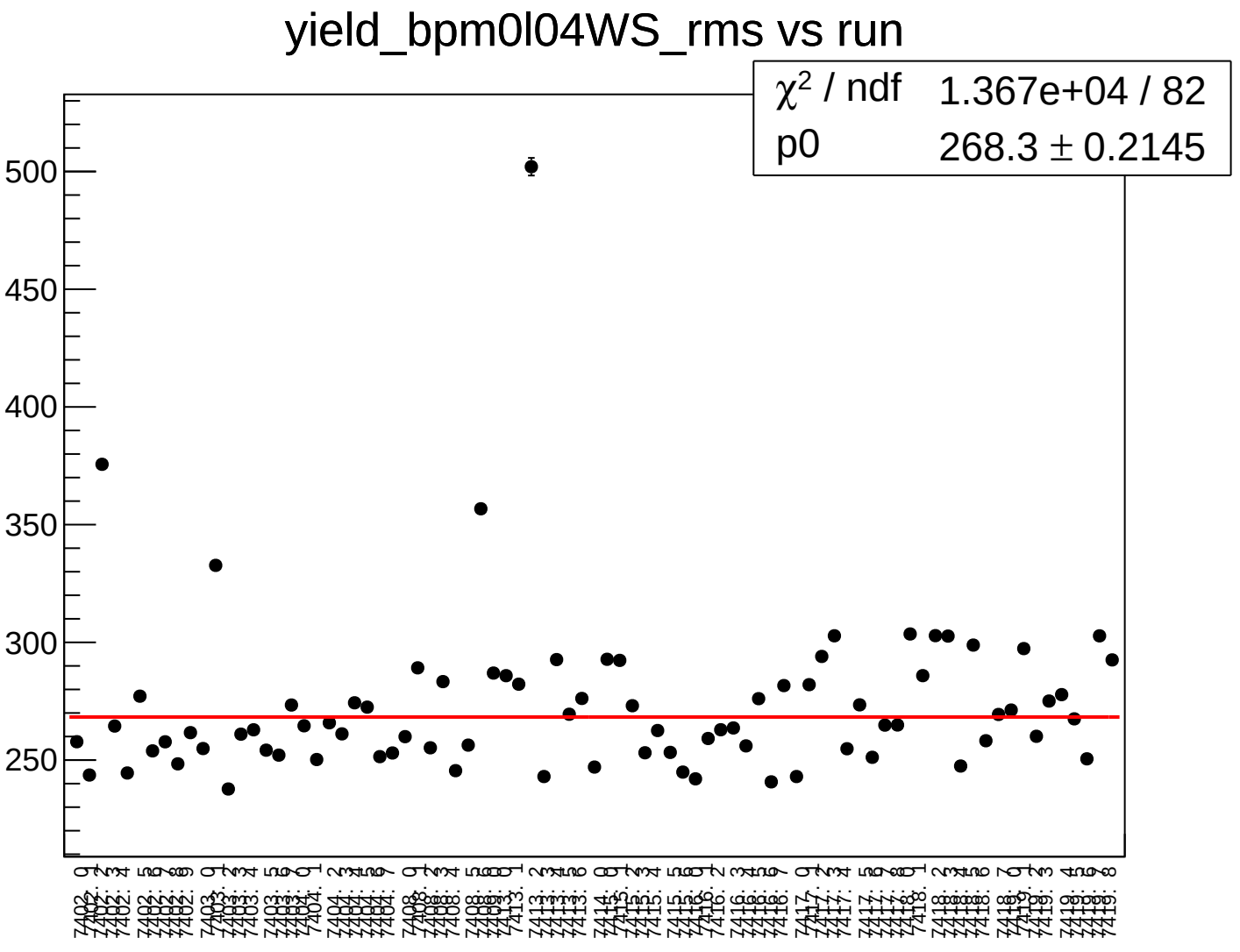

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.57e+05 / 82
p0 1.241e+05 ± 0.8031
125
124
123
122
121
120
pull
Entries 83
Mean −12.79
Std Dev 0
150
100
50
0
−50
−100
−150

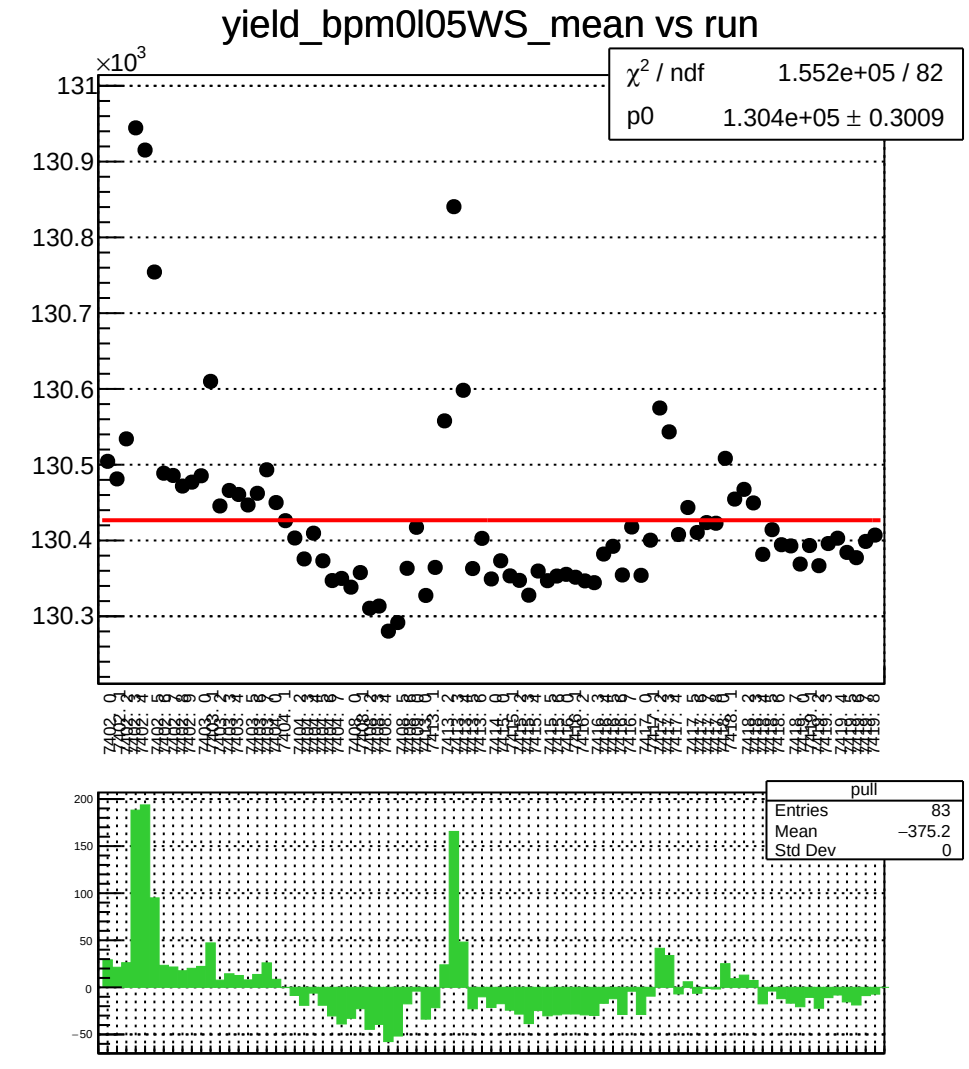

pull1D
Entries 83
Mean 0.5746
Std Dev 4.14
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

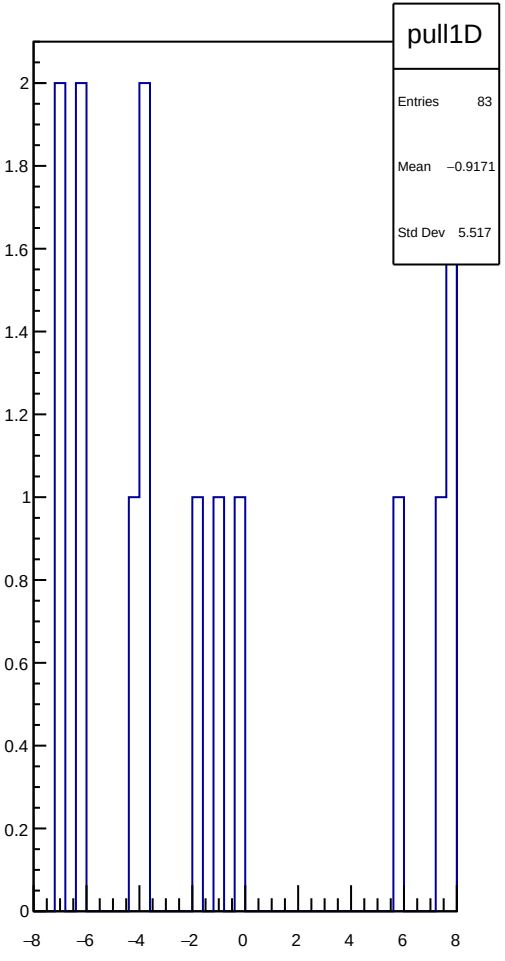

yield_bpm0l03WS_rms vs run
χ² / ndf 1.986e+05 / 82
p0 667.1 ± 0.5679
5000
4000
3000
2000
1000

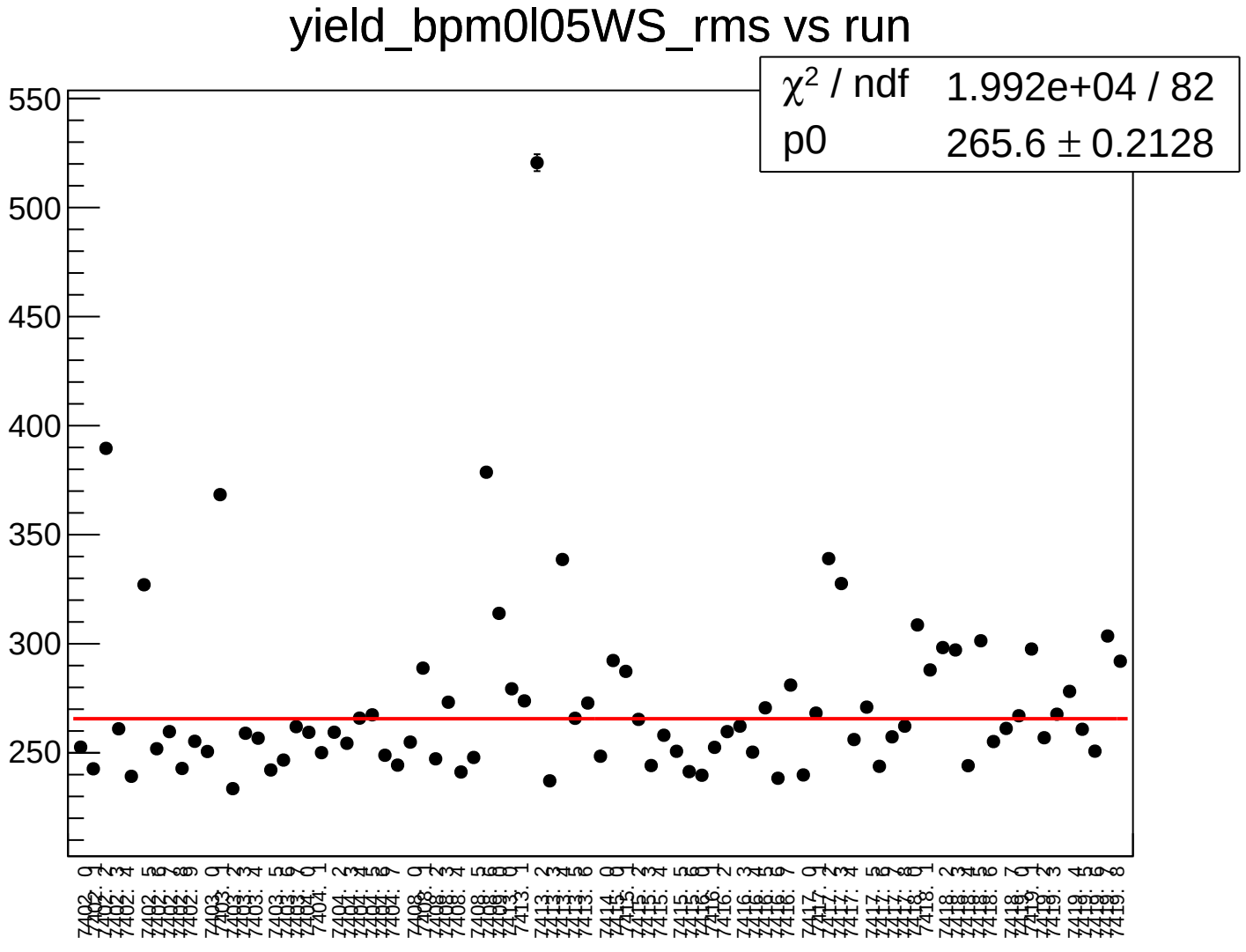

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 8.61e+04 / 82
p0 1.299e+05 ± 0.3033
130.2
130.1
130
129.9
129.8
129.7
pull
Entries 83
Mean 300.4
Std Dev 0
140
120
100
80
60
40
20
0
−20
−40
−60

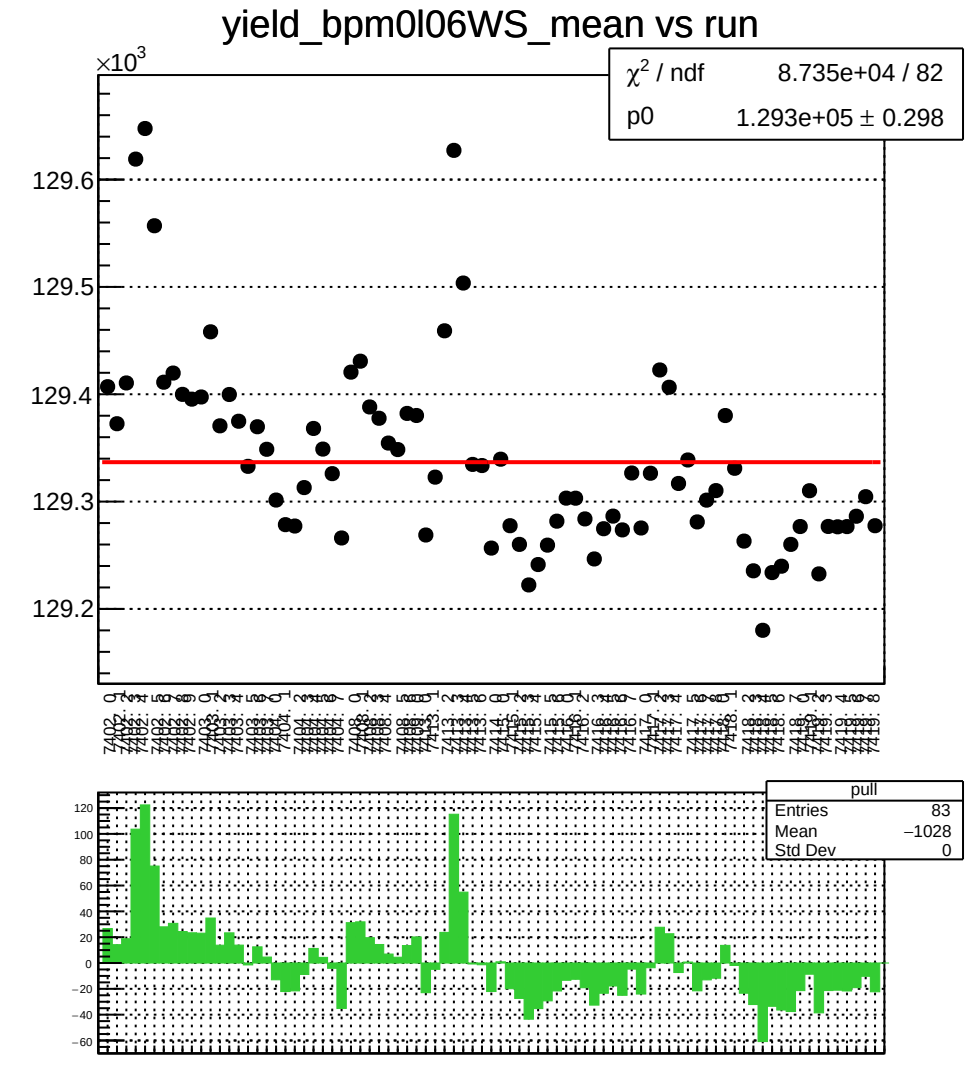

pull1D
Entries 83
Mean −0.4359
Std Dev 5.125
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

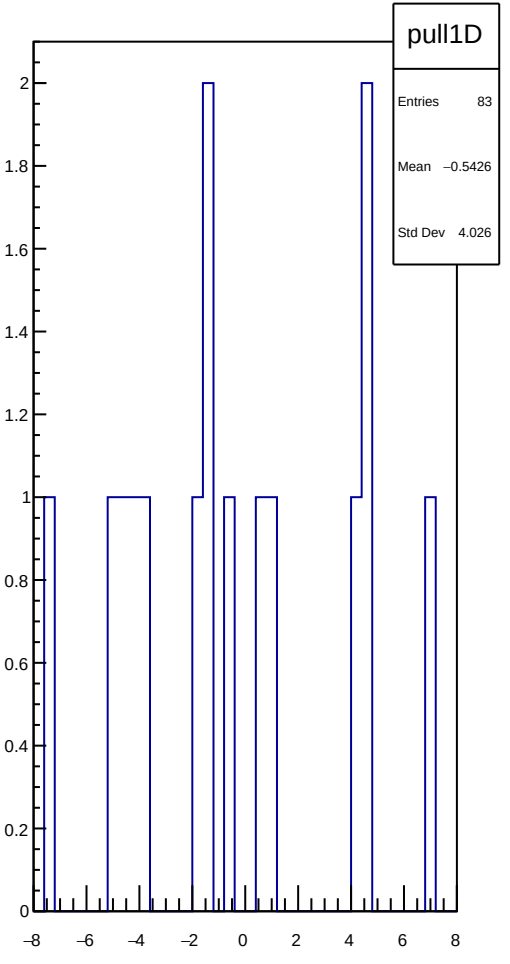

yield_bpm0l04WS_rms vs run
χ² / ndf 1.367e+04 / 82
p0 268.3 ± 0.2145
500
450
400
350
300
250

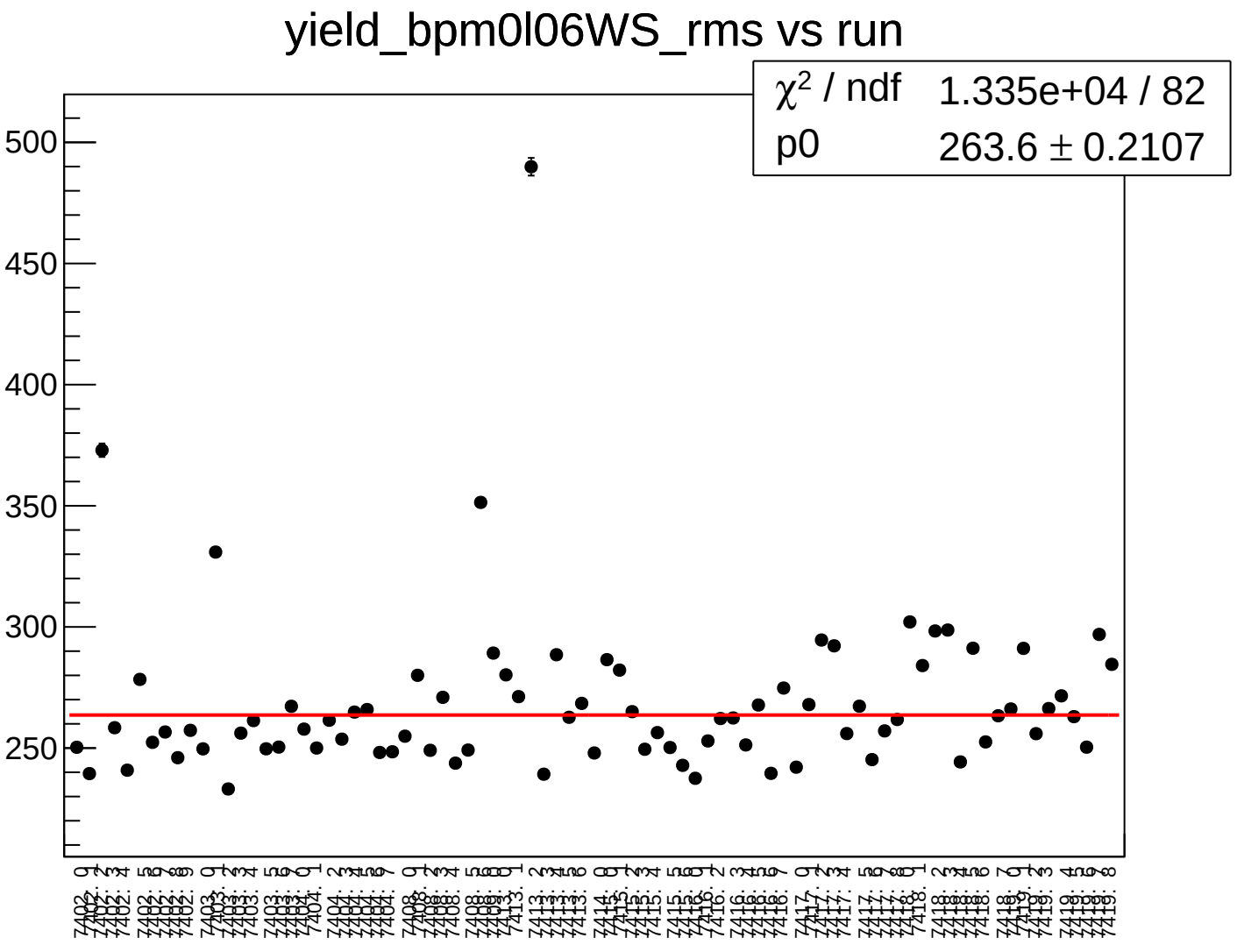

yield_bpm0l05WS_mean vs run
×10^3
131
130.9
130.8
130.7
130.6
130.5
130.4
130.3
χ² / ndf 1.552e+05 / 82
p0 1.304e+05 ± 0.3009
pull
Entries 83
Mean −375.2
Std Dev 0
200
150
100
50
0
−50

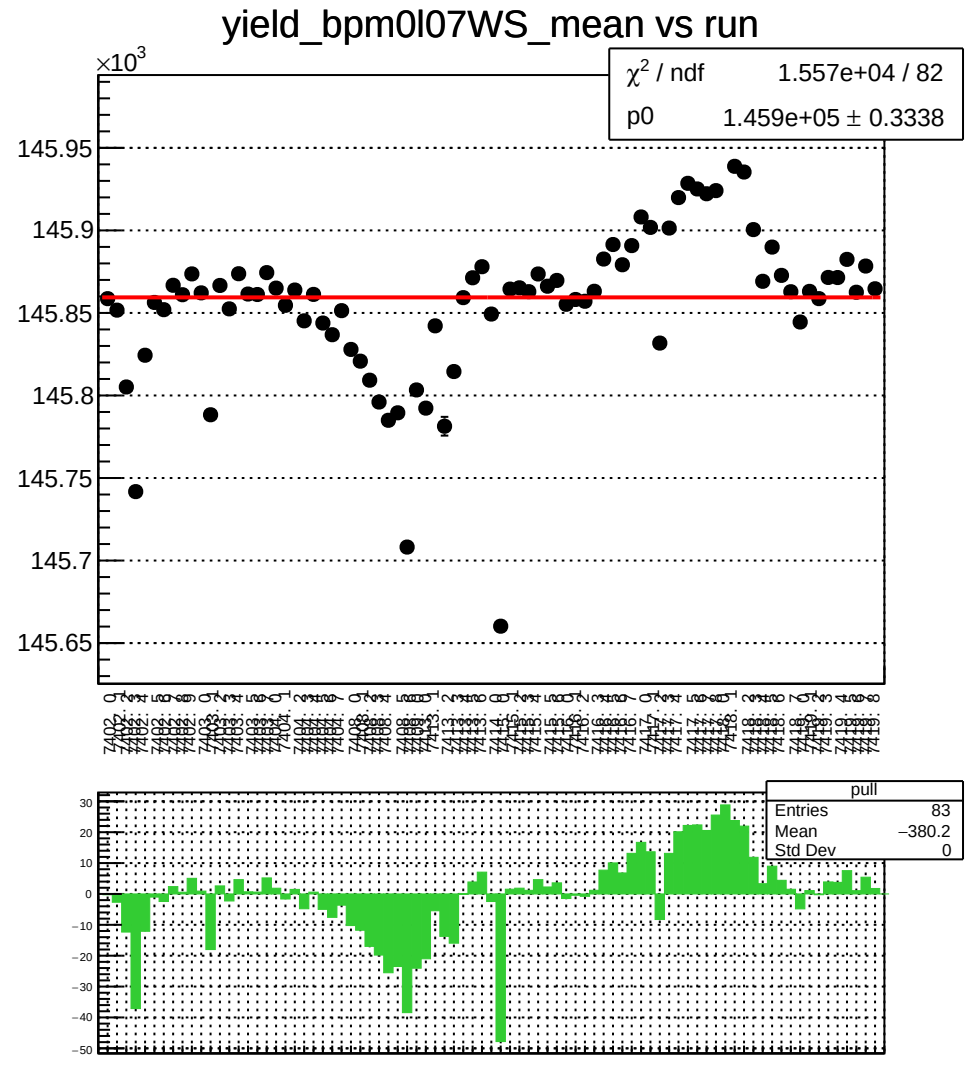

pull1D
Entries 83
Mean −0.9171
Std Dev 5.517
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

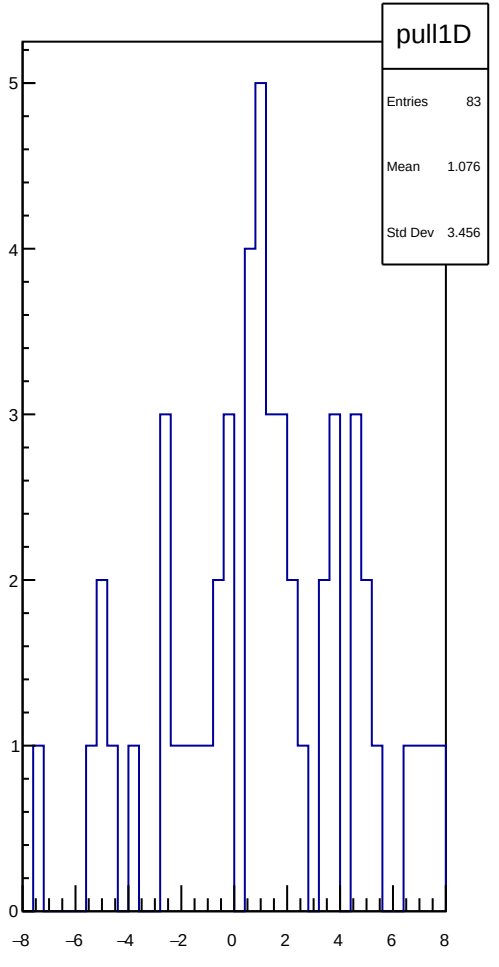

yield_bpm0l05WS_rms vs run
χ² / ndf 1.992e+04 / 82
p0 265.6 ± 0.2128
550
500
450
400
350
300
250

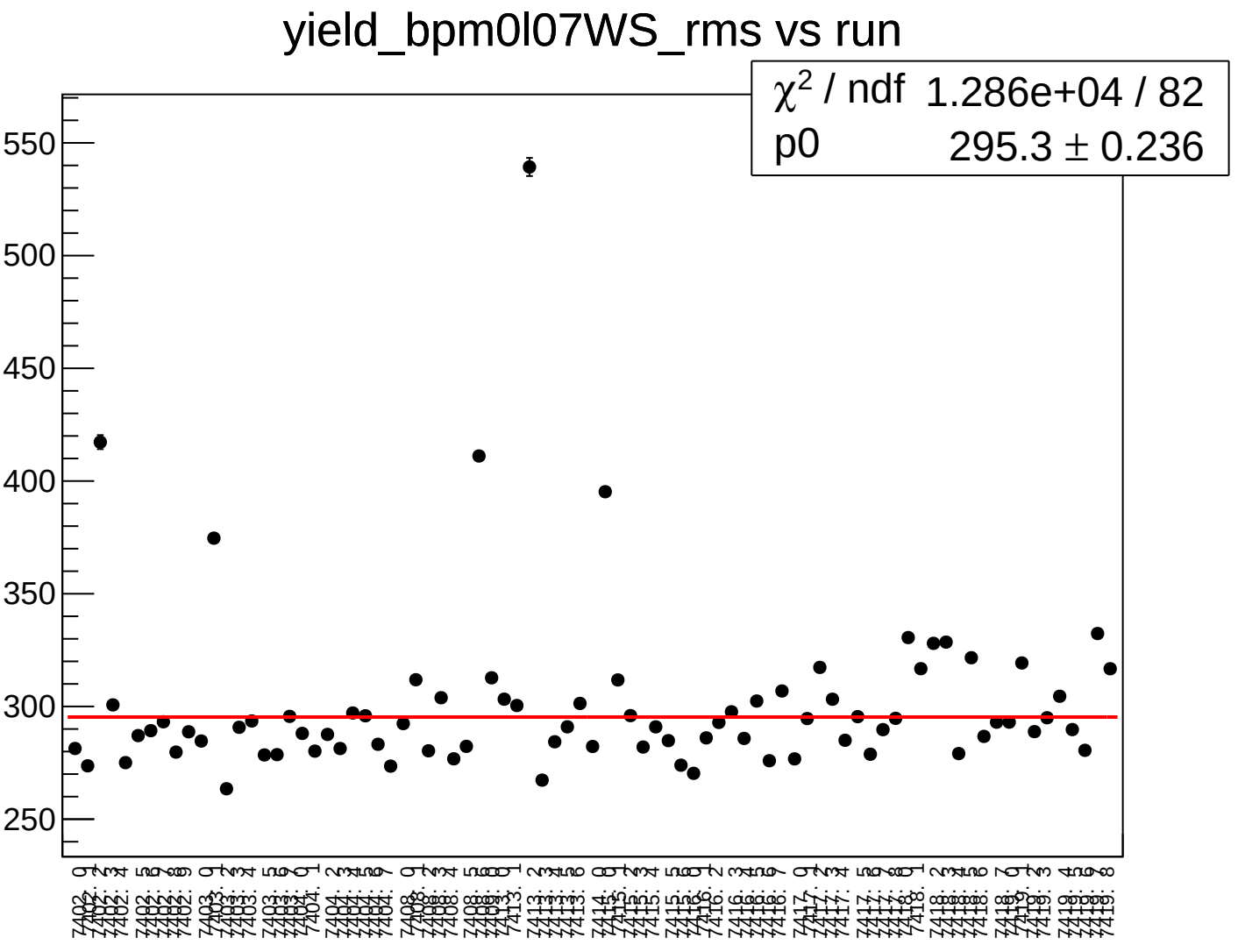

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 8.735e+04 / 82
p0 1.293e+05 ± 0.298
129.6
129.5
129.4
129.3
129.2
pull
Entries 83
Mean −1028
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60

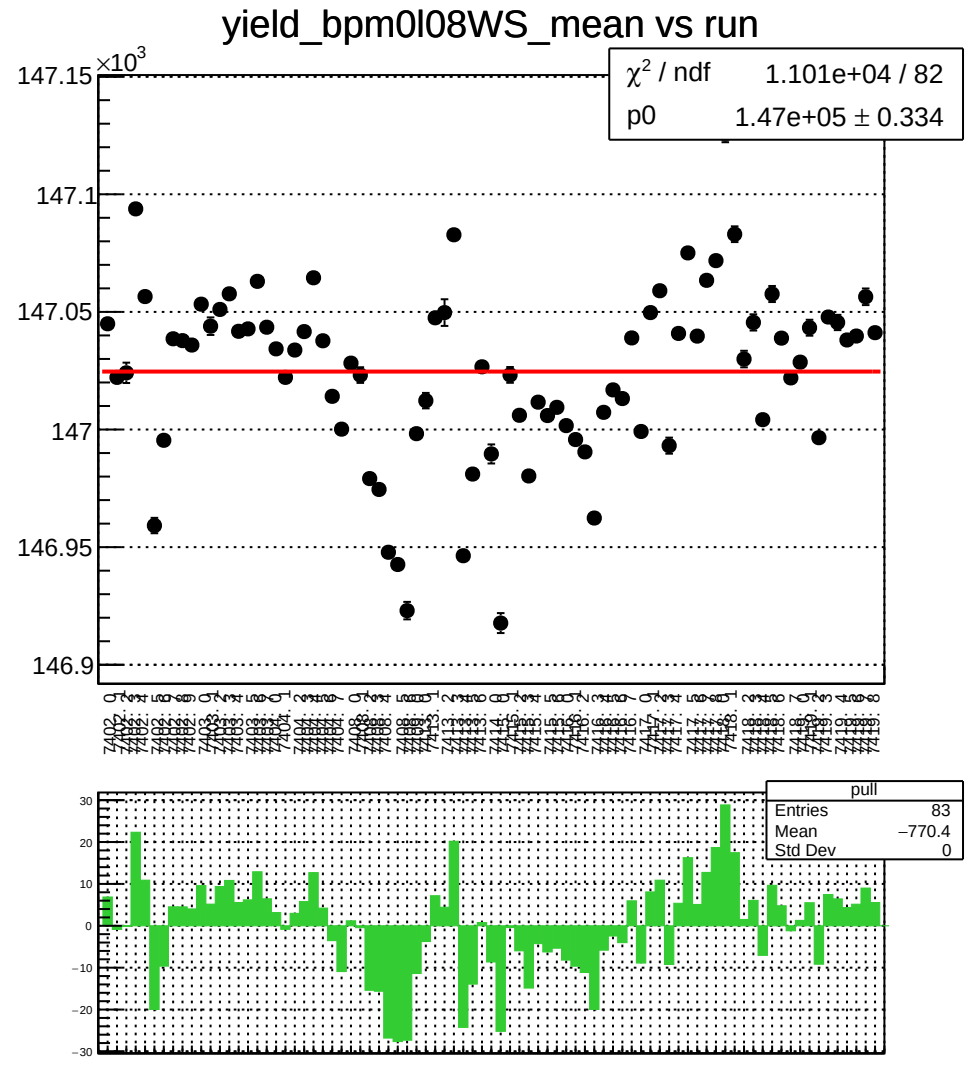

pull1D
Entries 83
Mean −0.5426
Std Dev 4.026
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

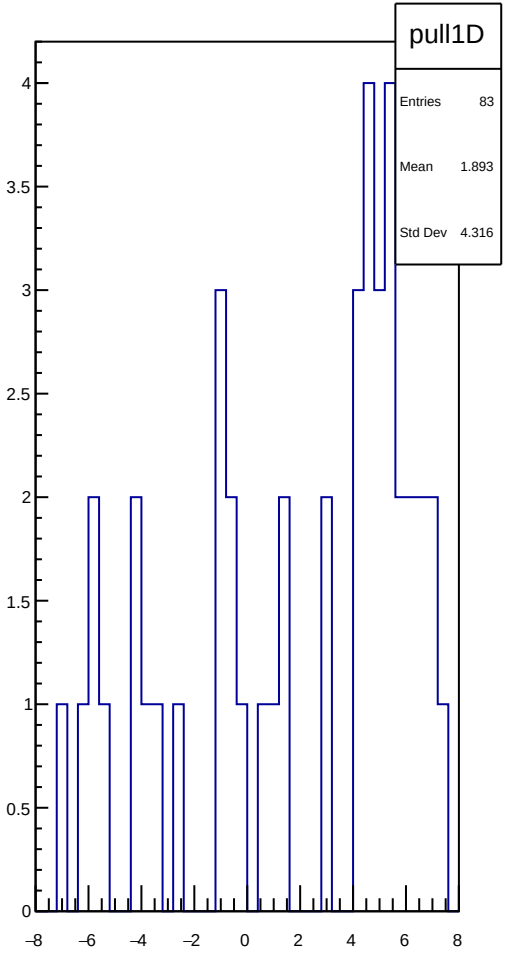

yield_bpm0l06WS_rms vs run
χ² / ndf 1.335e+04 / 82
p0 263.6 ± 0.2107
500
450
400
350
300
250

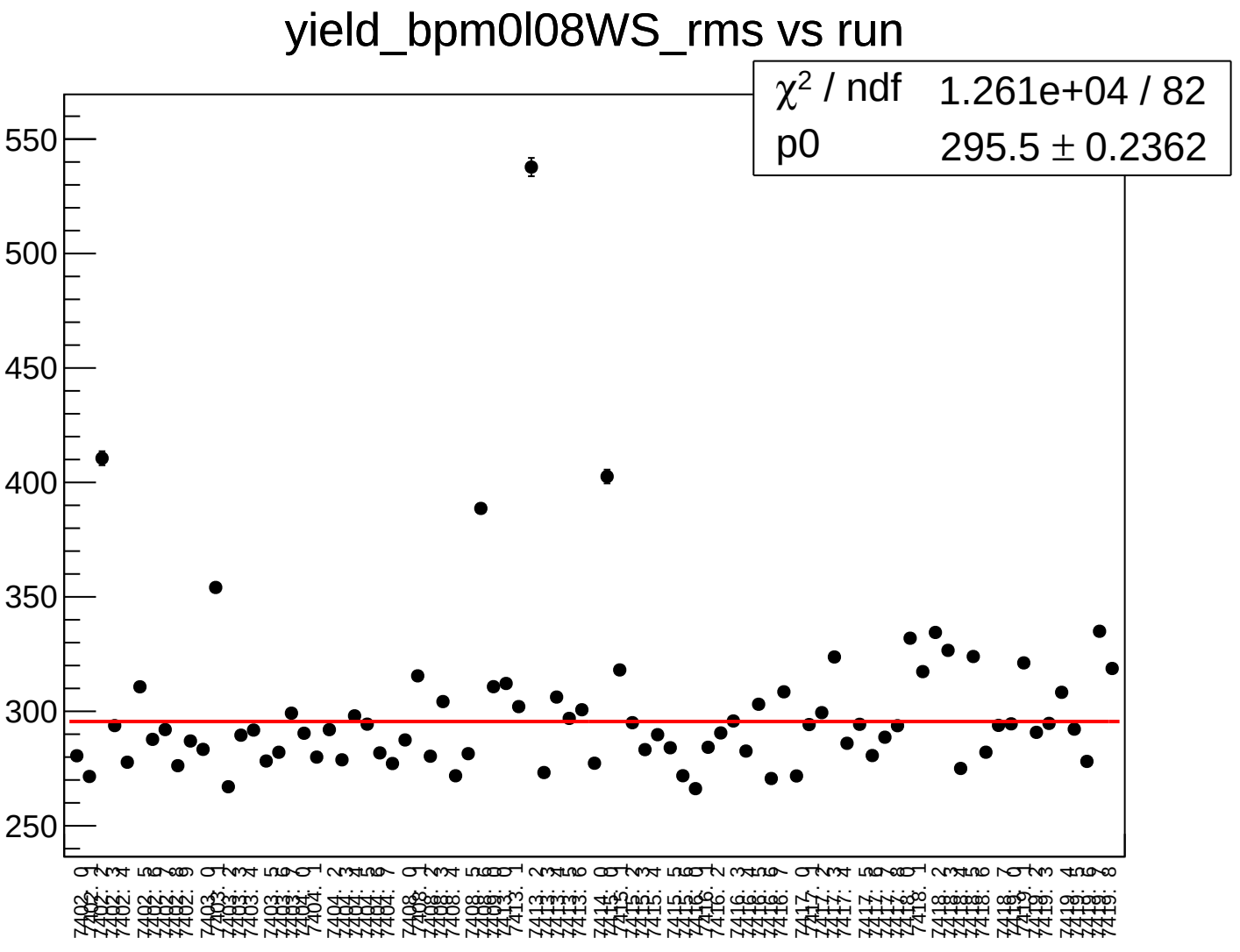

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.557e+04 / 82
p0 1.459e+05 ± 0.3338
145.95
145.9
145.85
145.8
145.75
145.7
145.65
pull
Entries 83
Mean −380.2
Std Dev 0
30
20
10
0
−10
−20
−30
−40
−50

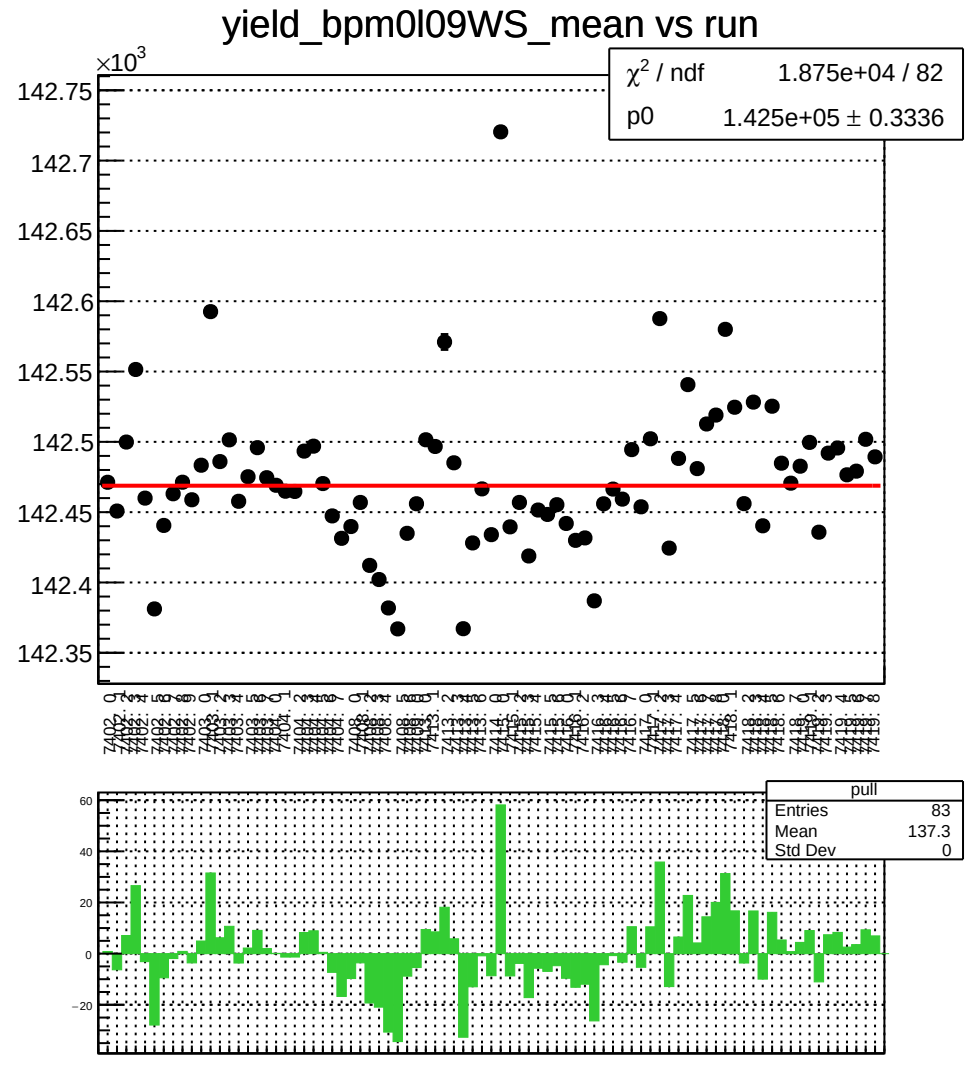

pull1D
Entries 83
Mean 1.076
Std Dev 3.456
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

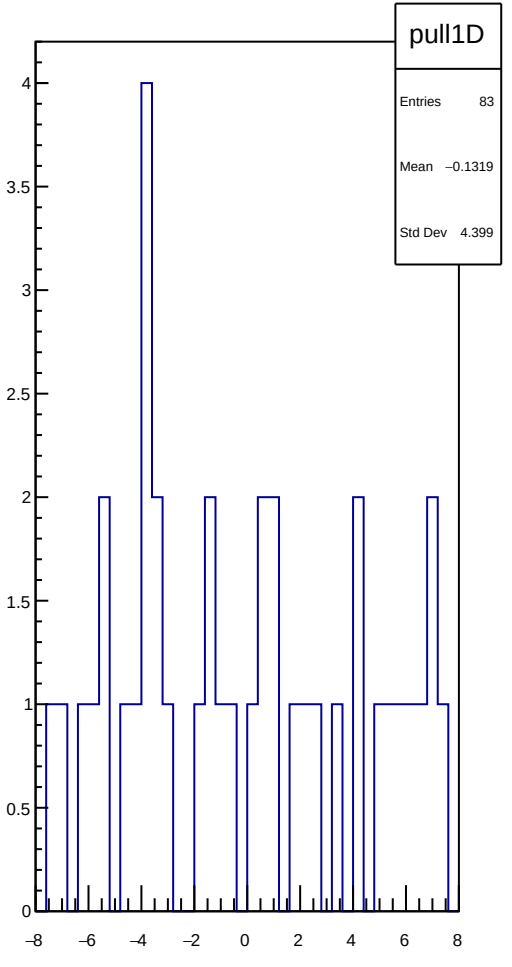

yield_bpm0l07WS_rms vs run
χ² / ndf 1.286e+04 / 82
p0 295.3 ± 0.236
550
500
450
400
350
300
250

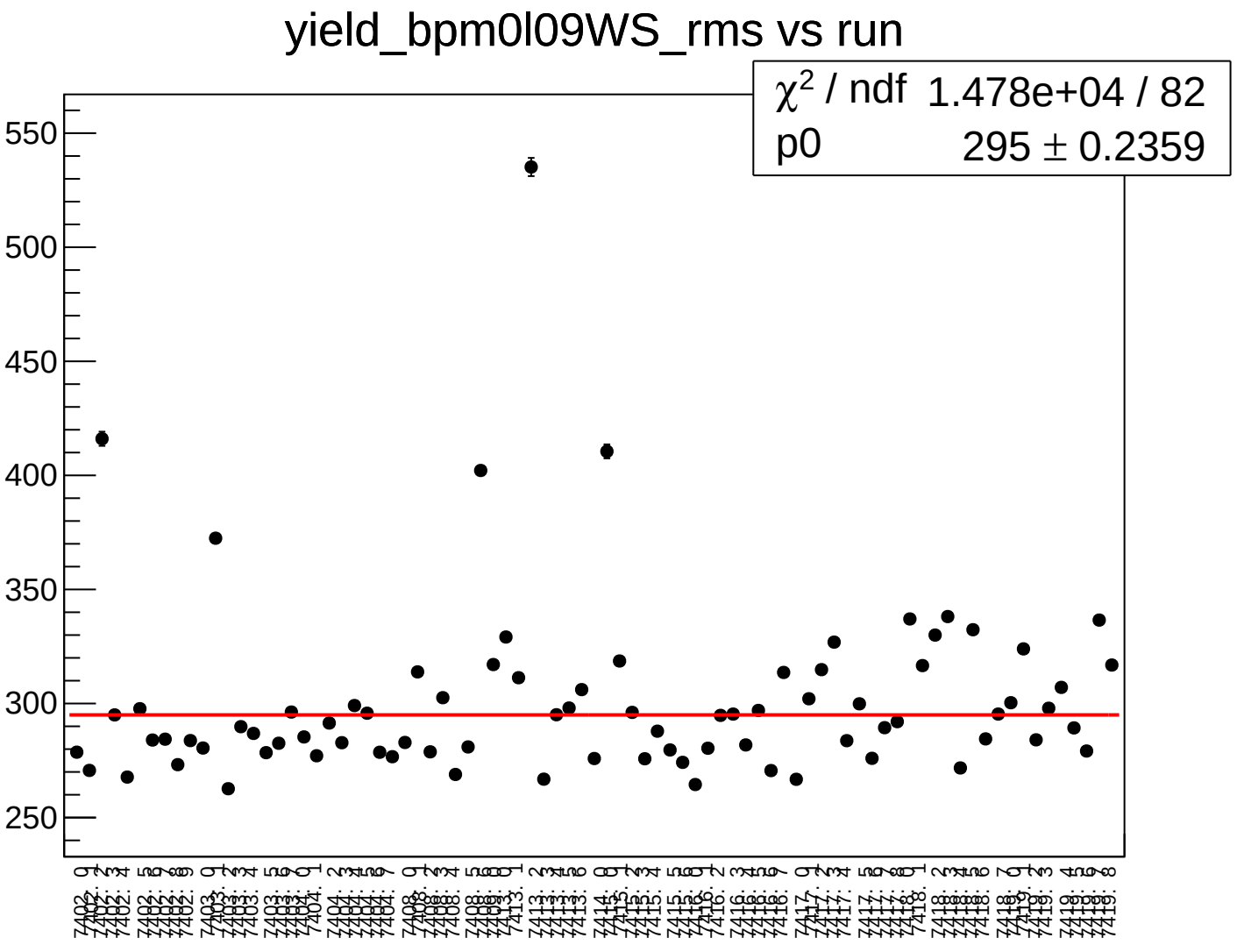

yield_bpm0l08WS_mean vs run
χ^2 / ndf 1.101e+04 / 82
p0 1.47e+05 ± 0.334
×10^3
147.15
147.1
147.05
147
146.95
146.9
pull
Entries 83
Mean −770.4
Std Dev 0
30
20
10
0
−10
−20
−30

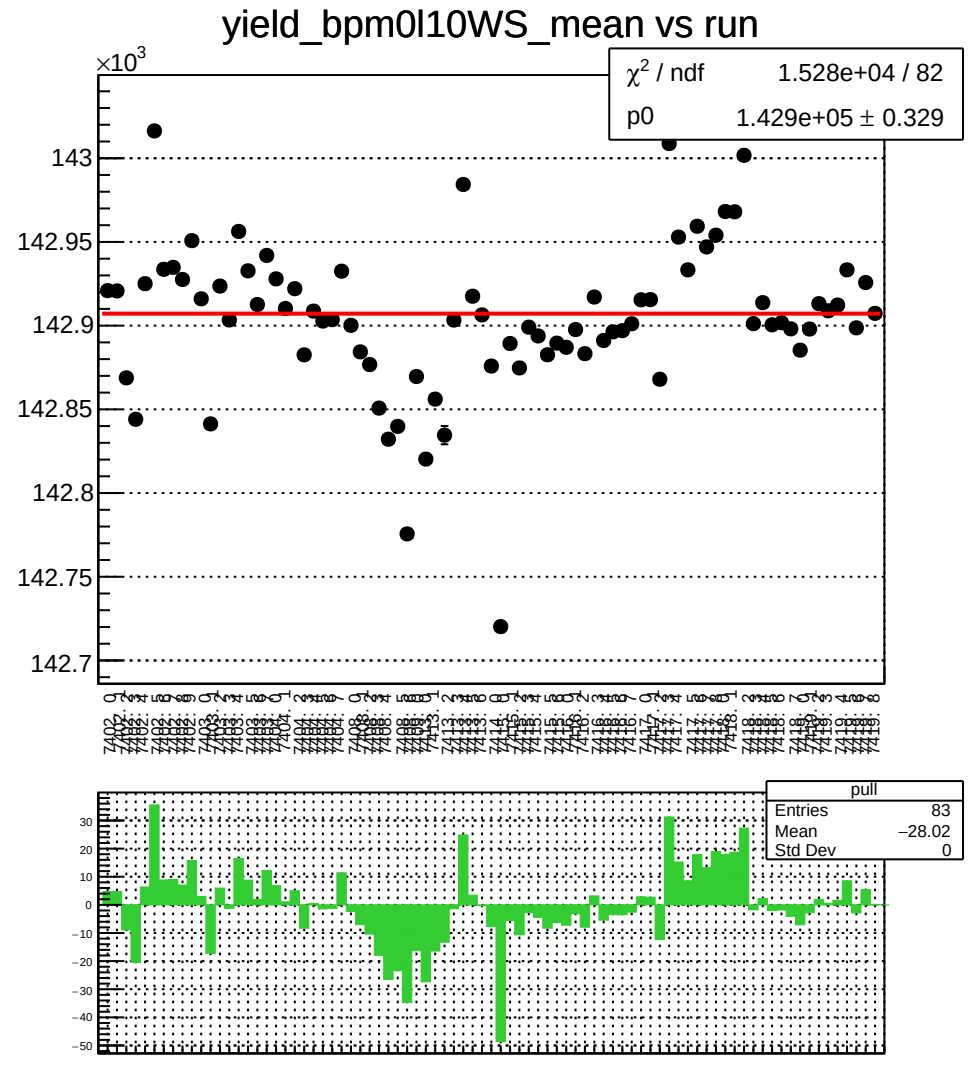

pull1D
Entries 83
Mean 1.893
Std Dev 4.316
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

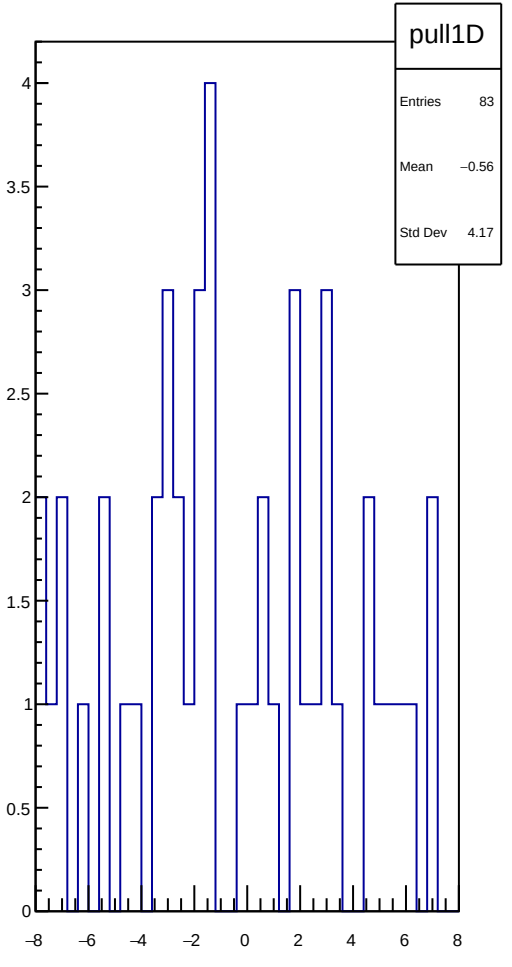

yield_bpm0l08WS_rms vs run
χ² / ndf 1.261e+04 / 82
p0 295.5 ± 0.2362
550
500
450
400
350
300
250

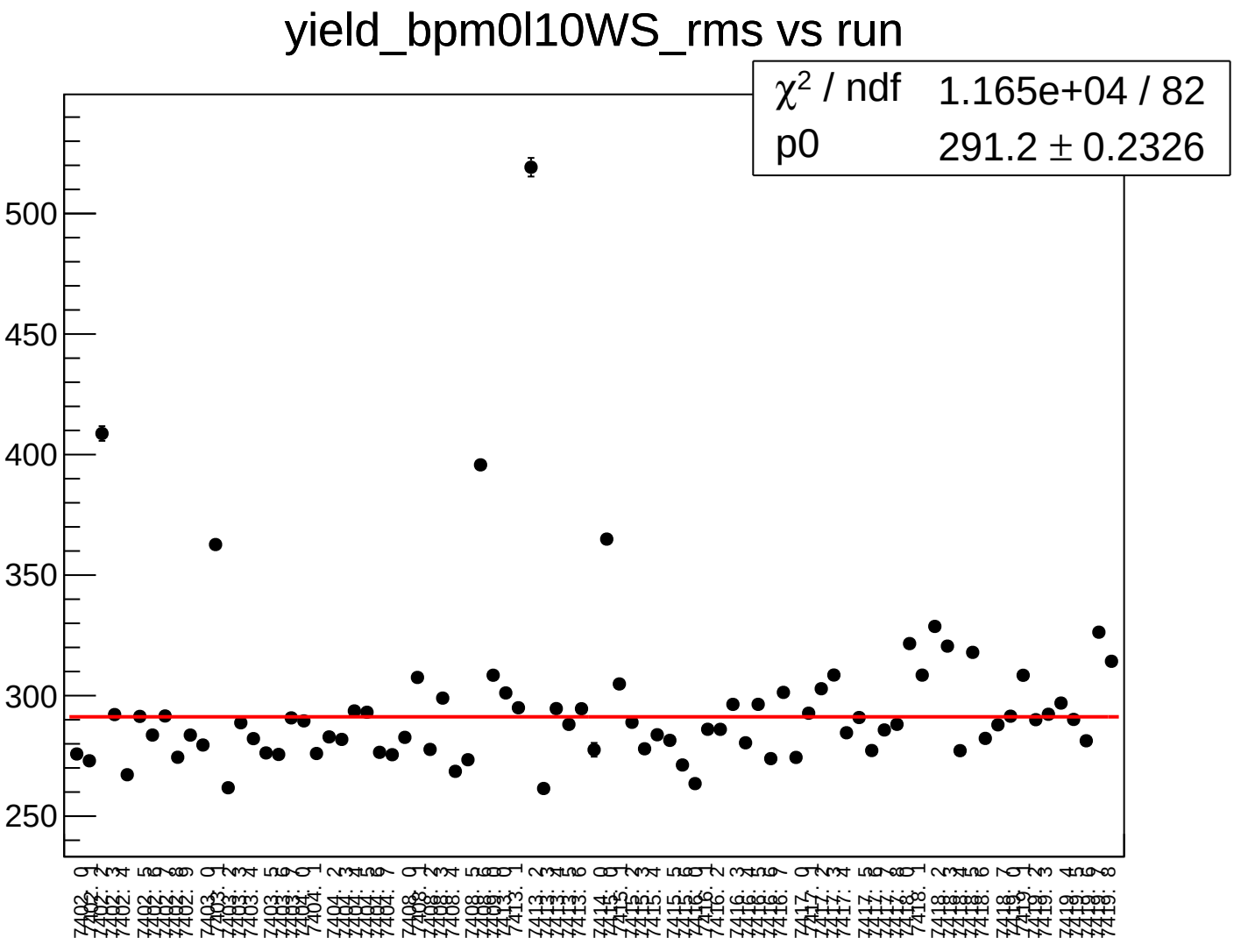

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 1.875e+04 / 82
p0 1.425e+05 ± 0.3336
142.75
142.7
142.65
142.6
142.55
142.5
142.45
142.4
142.35
pull
Entries 83
Mean 137.3
Std Dev 0
60
40
20
0
−20

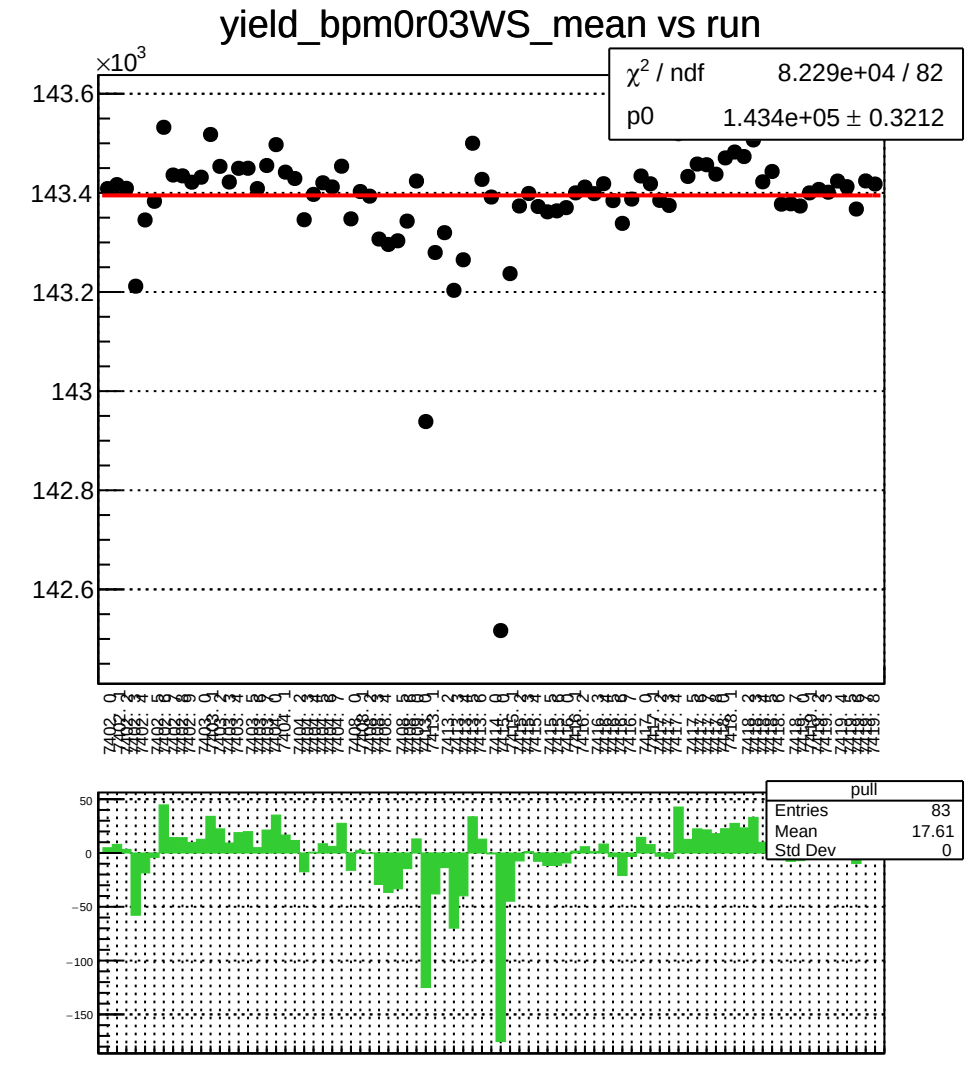

pull1D
Entries 83
Mean −0.1319
Std Dev 4.399
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

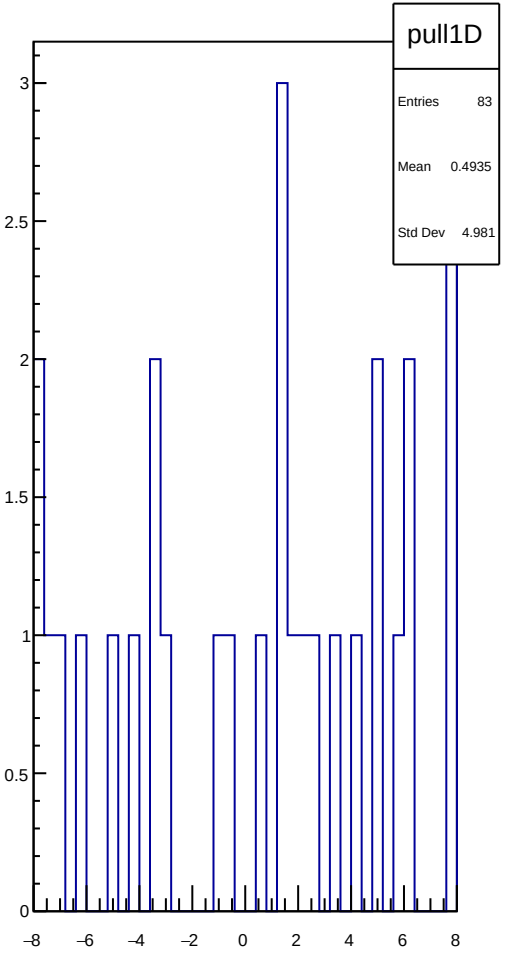

yield_bpm0l09WS_rms vs run
χ^2 / ndf 1.478e+04 / 82
p0 295 ± 0.2359
550
500
450
400
350
300
250

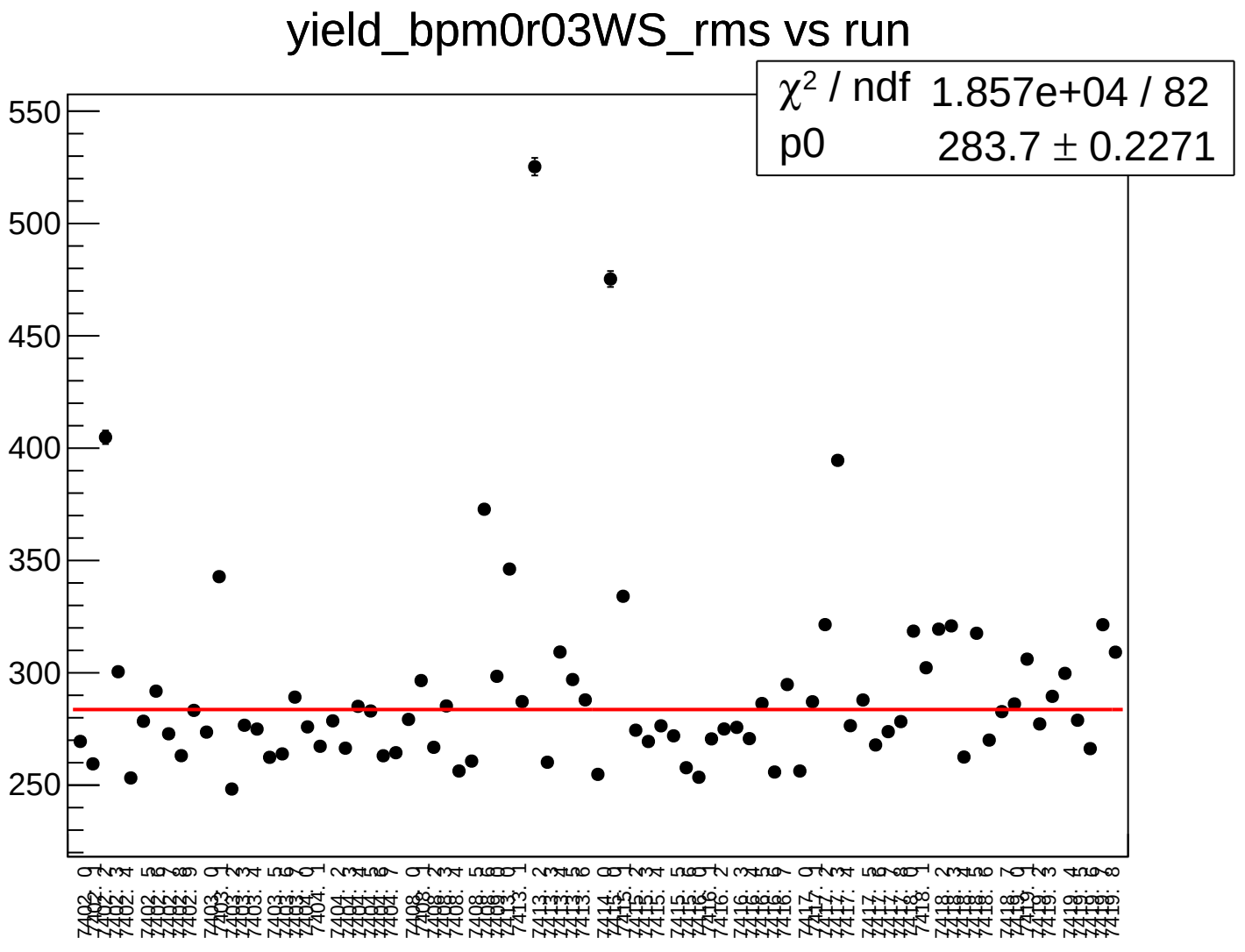

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.528e+04 / 82
p0 1.429e+05 ± 0.329
143
142.95
142.9
142.85
142.8
142.75
142.7
pull
Entries 83
Mean −28.02
Std Dev 0
30
20
10
0
−10
−20
−30
−40
−50

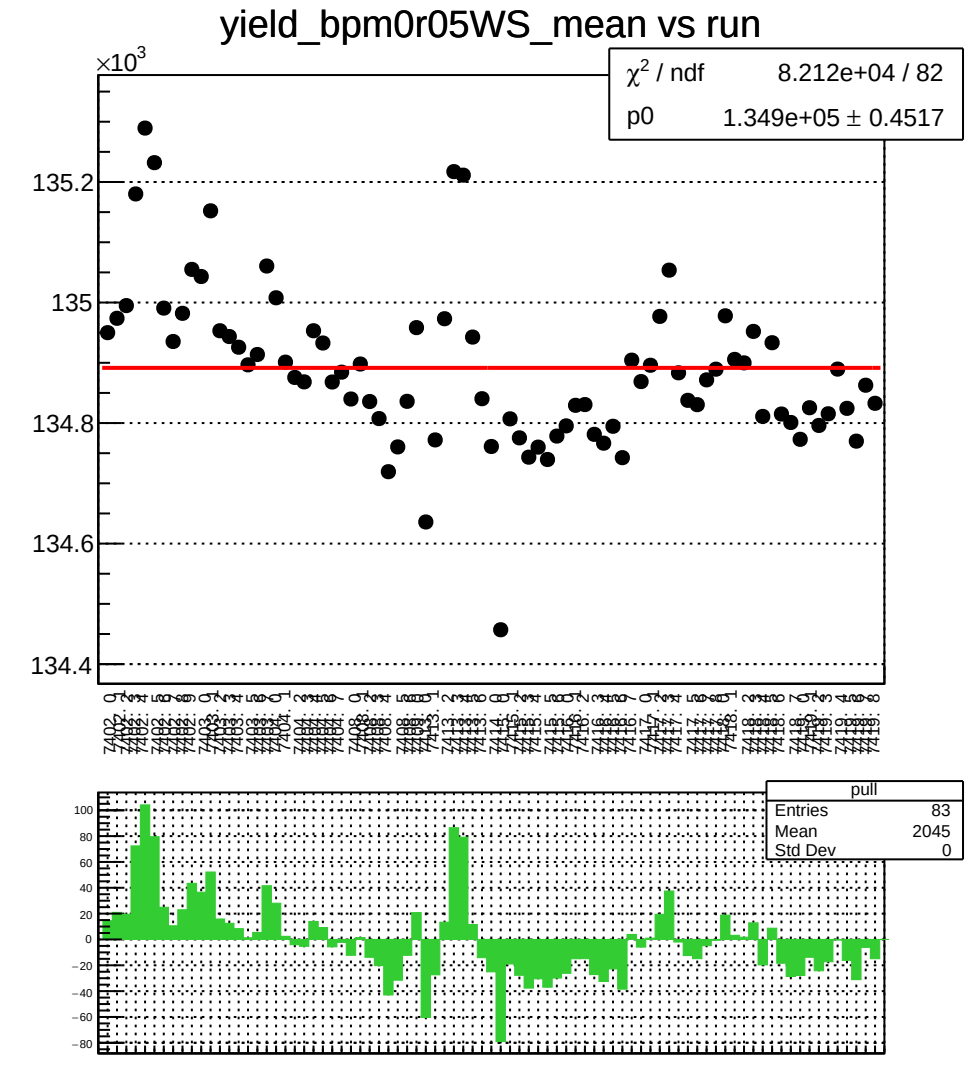

pull1D
Entries 83
Mean −0.56
Std Dev 4.17
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

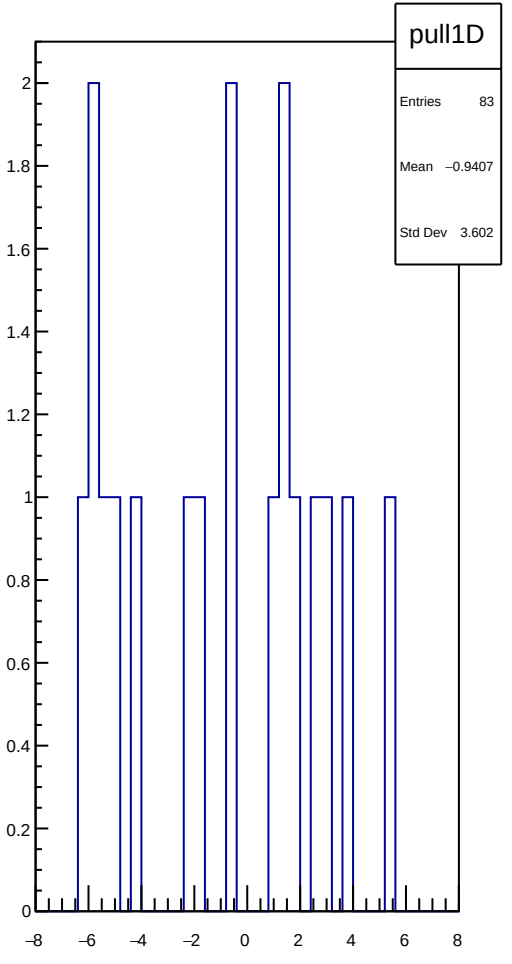

yield_bpm0l10WS_rms vs run
χ² / ndf 1.165e+04 / 82
p0 291.2 ± 0.2326
500
450
400
350
300
250

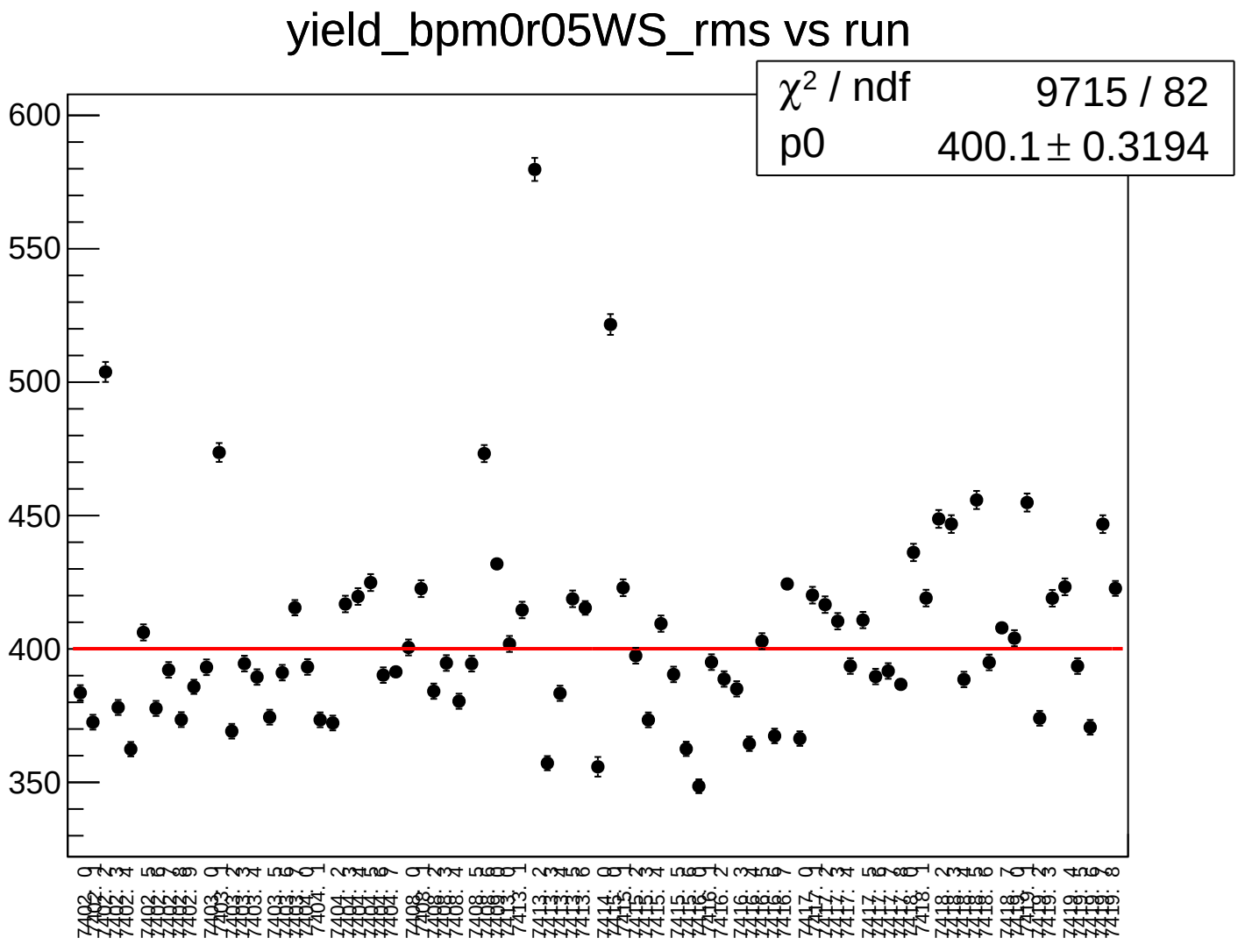

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 8.229e+04 / 82
p0 1.434e+05 ± 0.3212
143.6
143.4
143.2
143
142.8
142.6
pull
Entries 83
Mean 17.61
Std Dev 0
50
0
−50
−100
−150

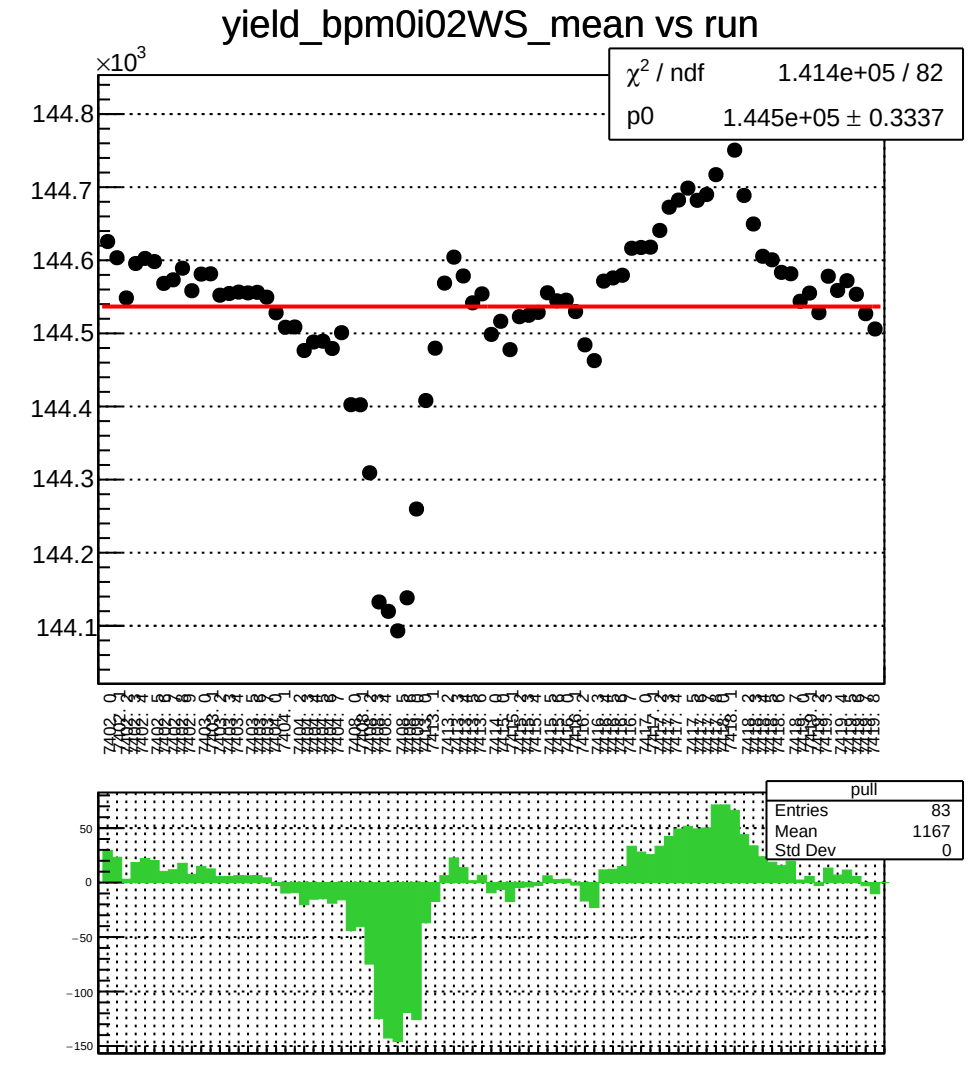

pull1D
Entries 83
Mean 0.4935
Std Dev 4.981
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

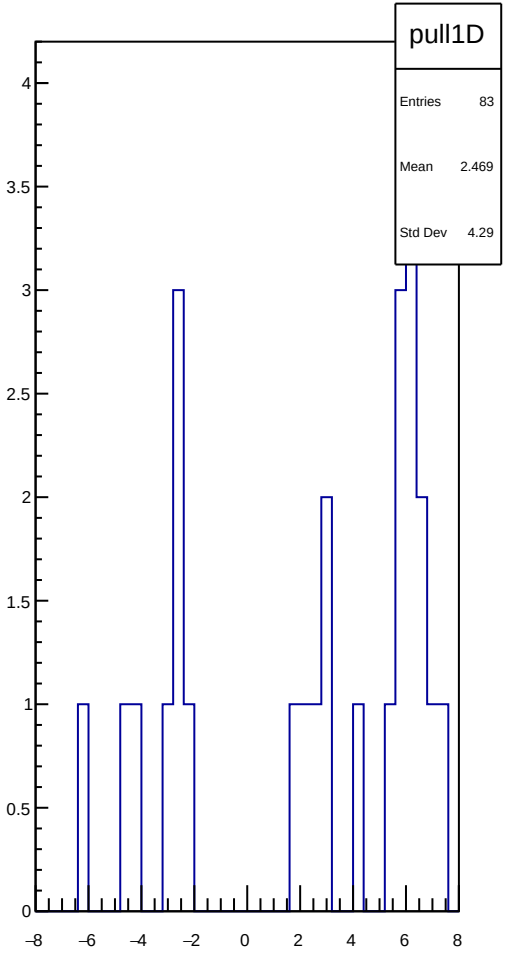

yield_bpm0r03WS_rms vs run
χ² / ndf 1.857e+04 / 82
p0 283.7 ± 0.2271
550
500
450
400
350
300
250

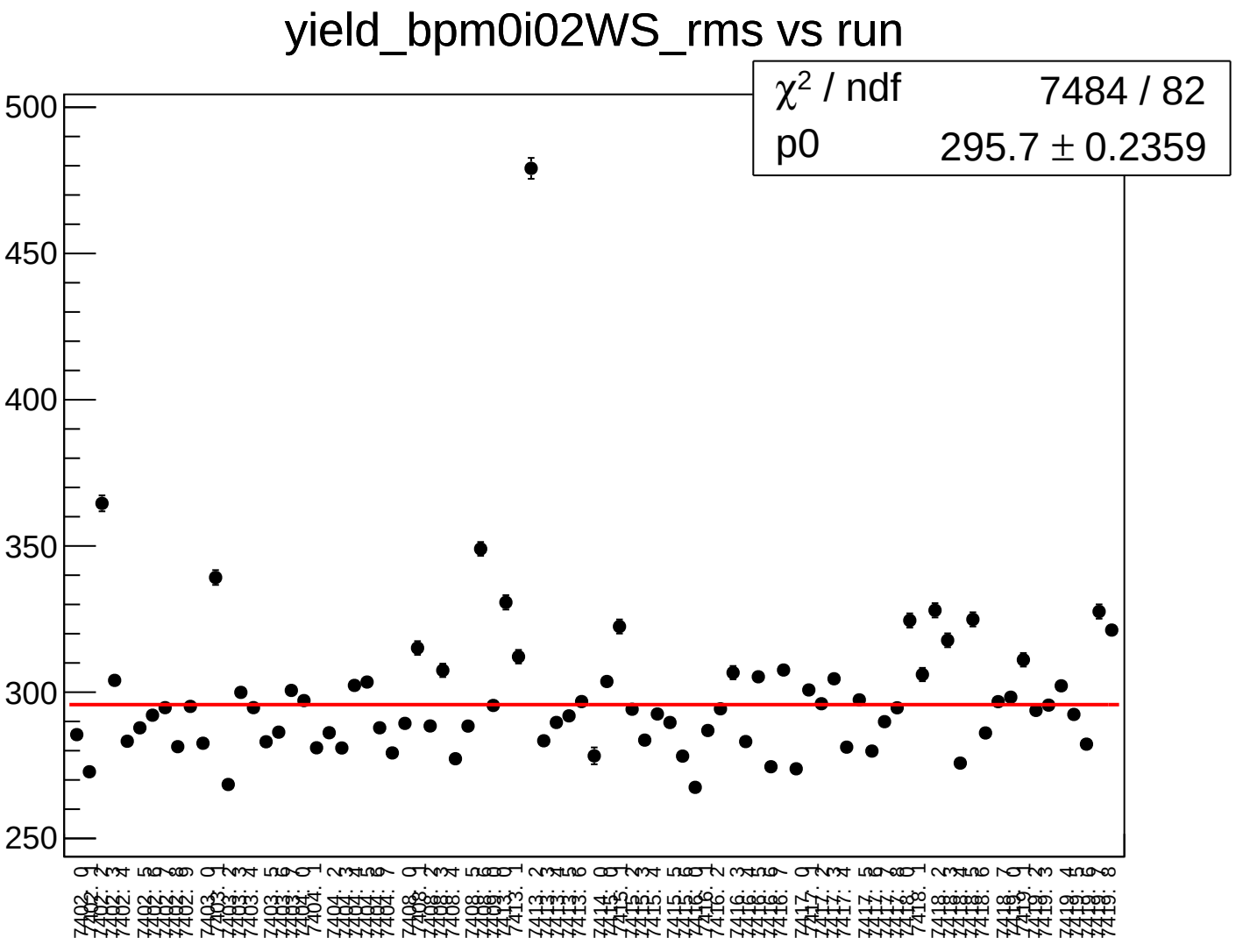

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 8.212e+04 / 82
p0 1.349e+05 ± 0.4517
135.2
135
134.8
134.6
134.4
pull
Entries 83
Mean 2045
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

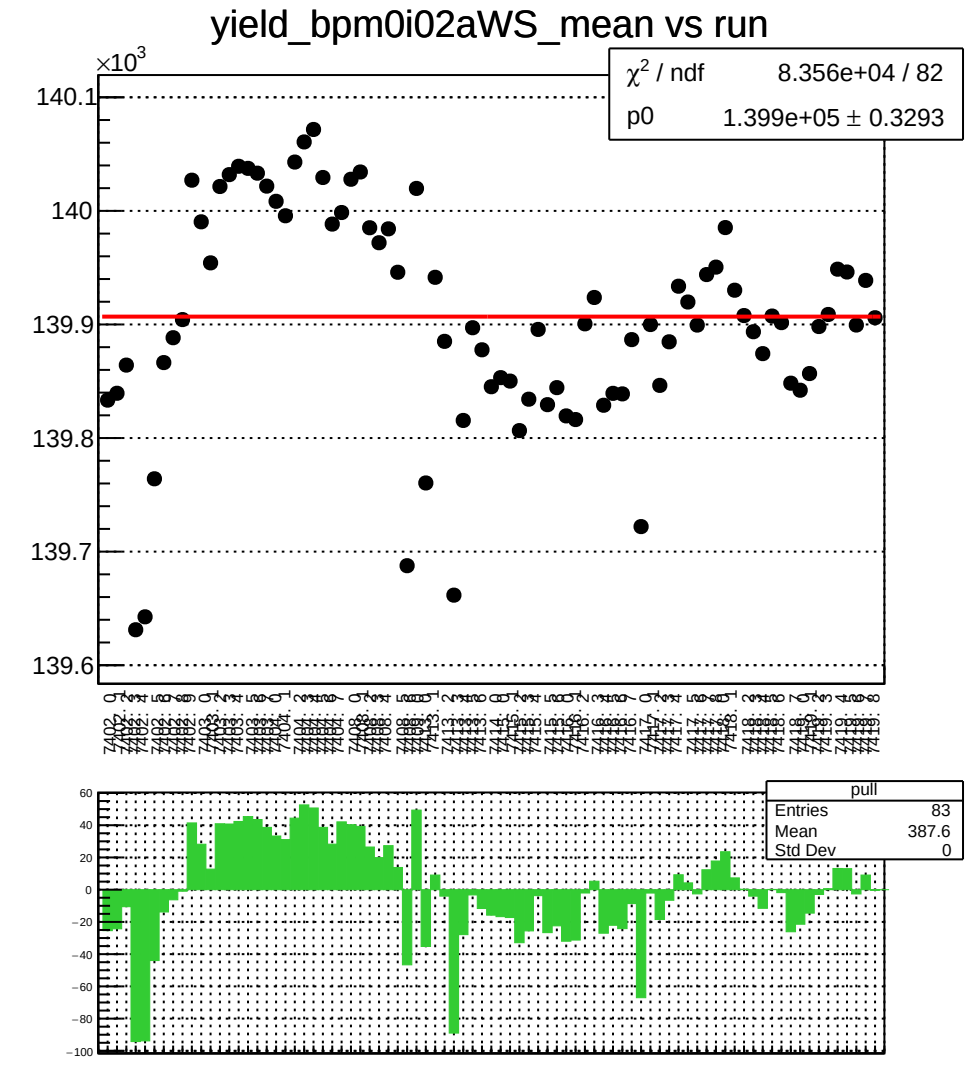

pull1D
Entries 83
Mean −0.9407
Std Dev 3.602
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

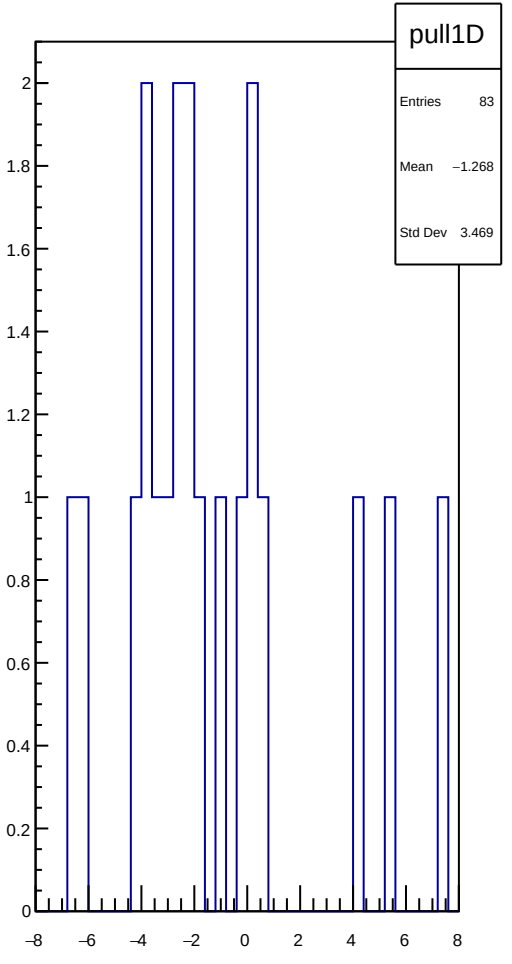

yield_bpm0r05WS_rms vs run
χ² / ndf 9715 / 82
p0 400.1 ± 0.3194
600
550
500
450
400
350

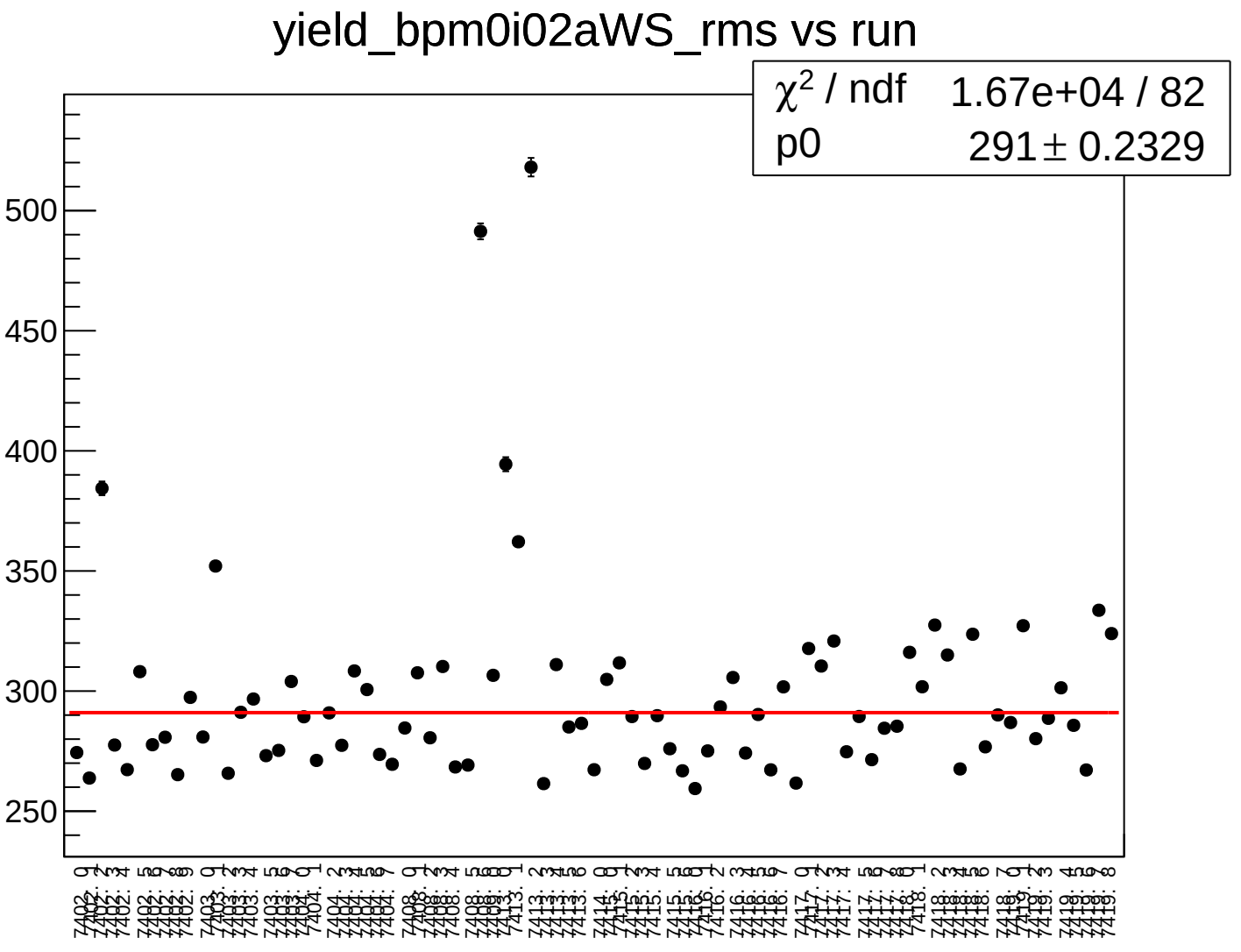

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.414e+05 / 82
p0 1.445e+05 ± 0.3337
144.8
144.7
144.6
144.5
144.4
144.3
144.2
144.1
pull
Entries 83
Mean 1167
Std Dev 0
50
0
−50
−100
−150

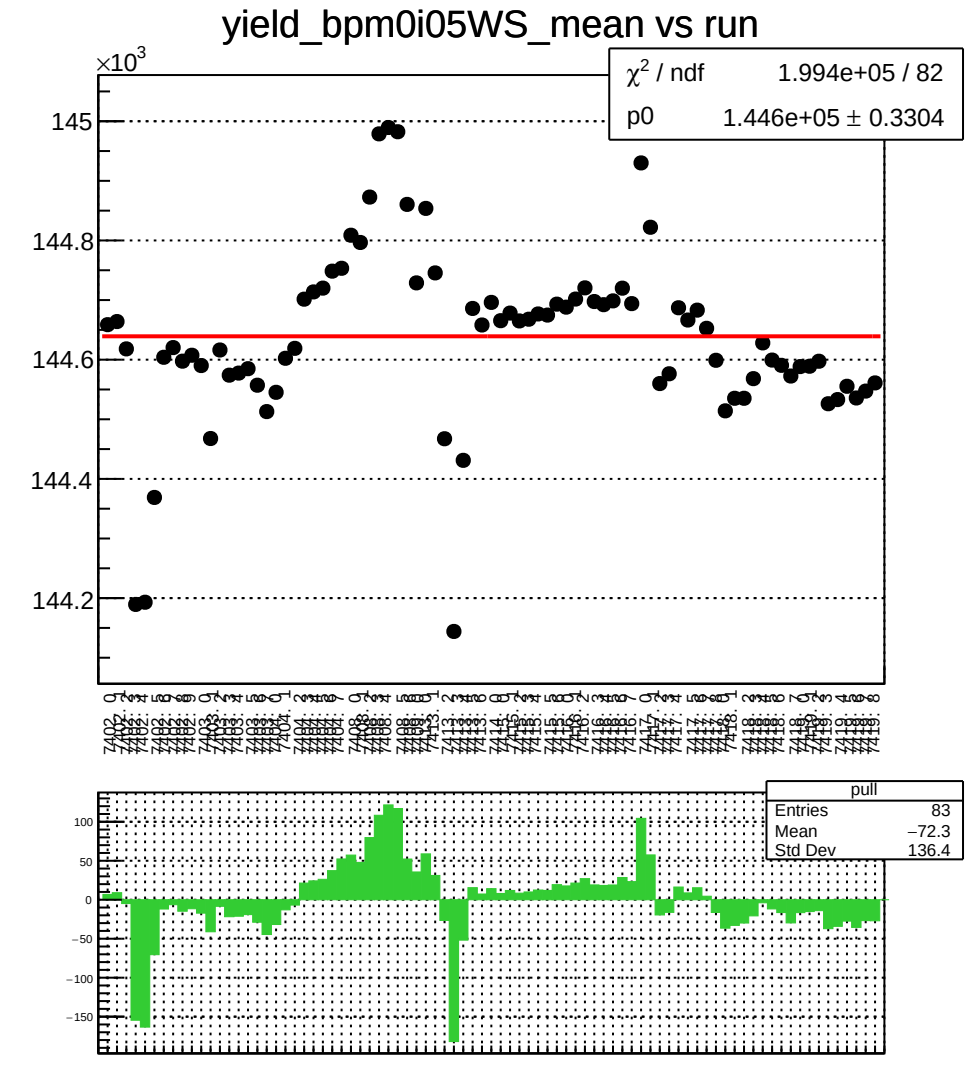

pull1D
Entries 83
Mean 2.469
Std Dev 4.29
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

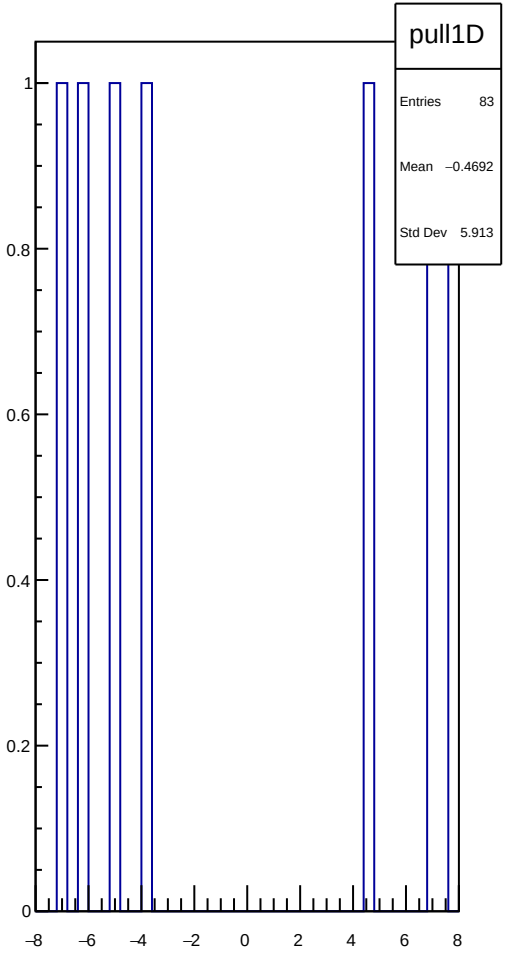

yield_bpm0i02WS_rms vs run
χ² / ndf 7484 / 82
p0 295.7 ± 0.2359
500
450
400
350
300
250

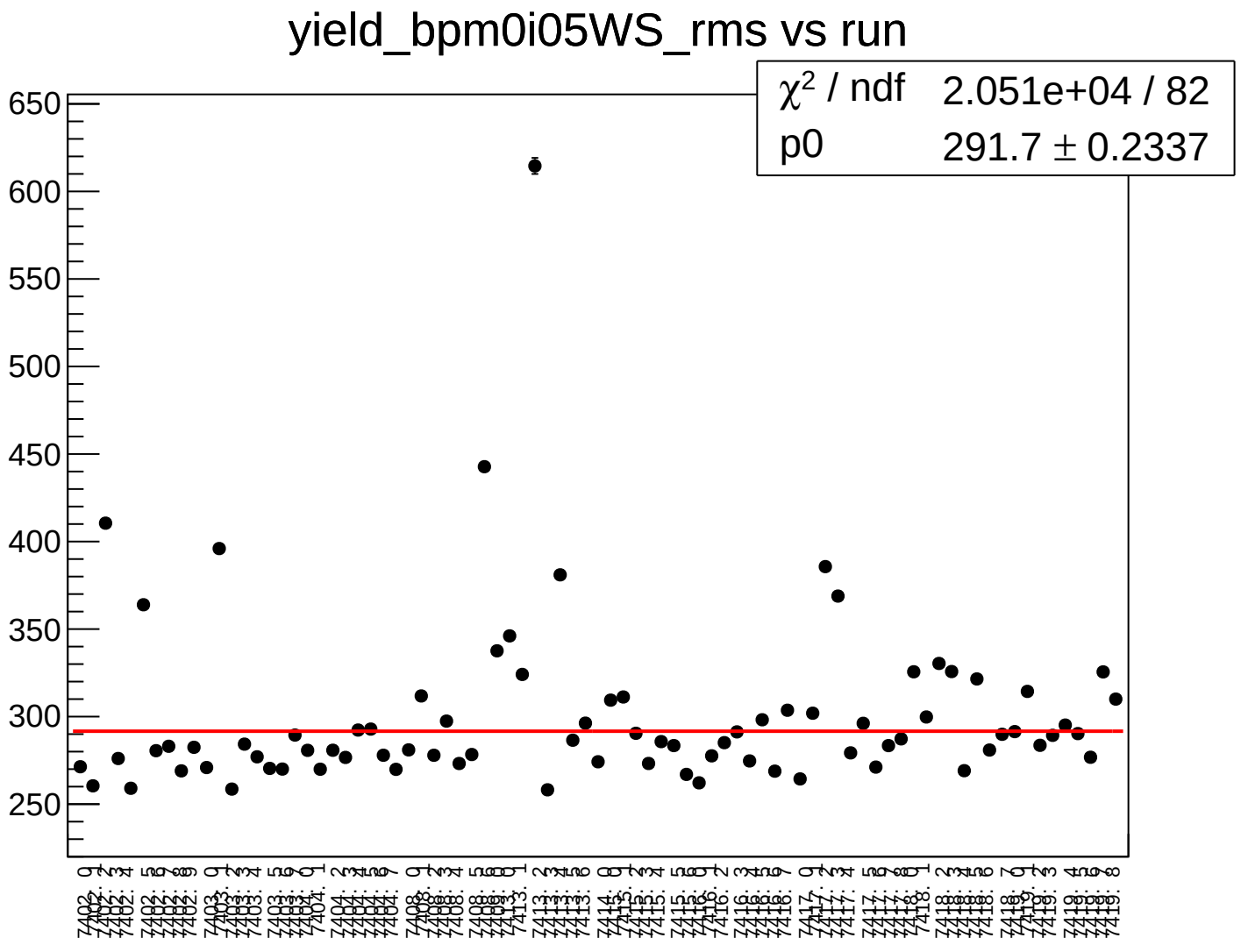

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 8.356e+04 / 82
p0 1.399e+05 ± 0.3293
140.1
140
139.9
139.8
139.7
139.6
pull
Entries 83
Mean 387.6
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

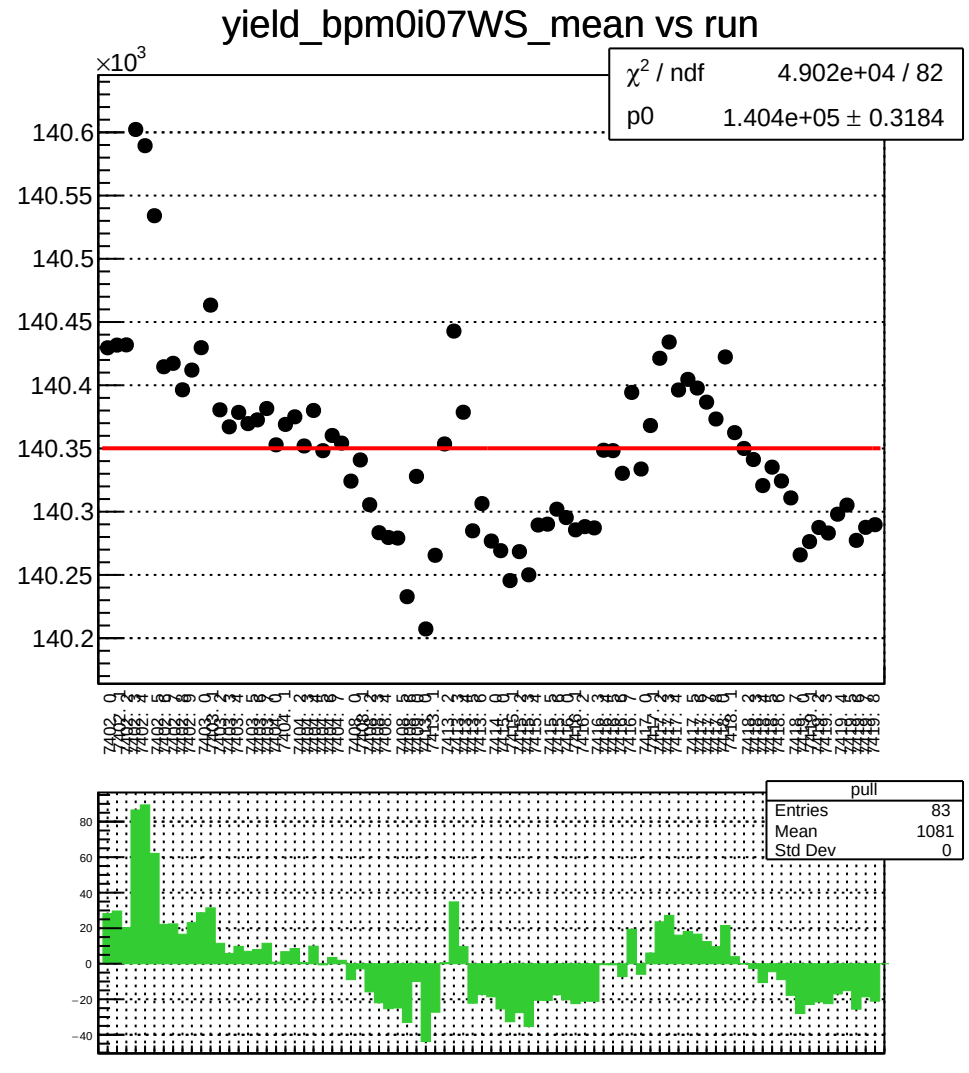

pull1D
Entries 83
Mean −1.268
Std Dev 3.469
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

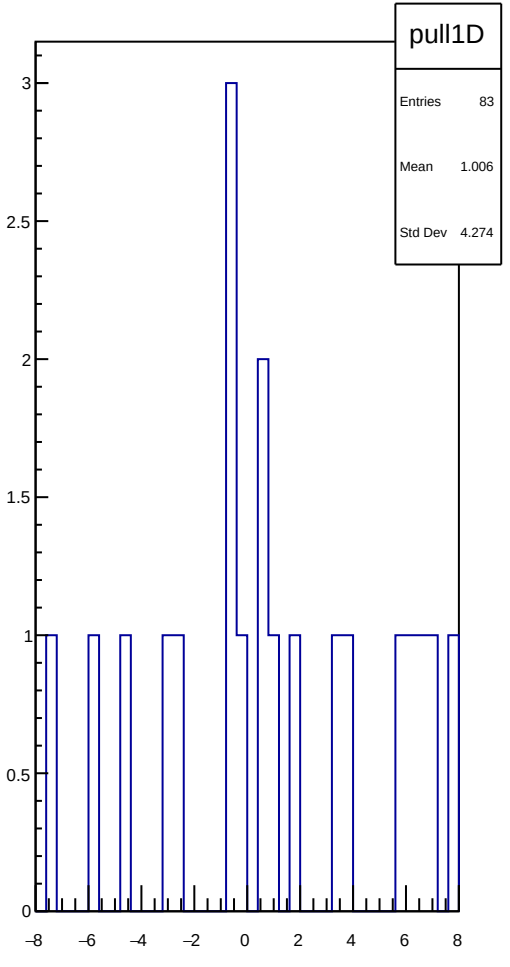

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.67e+04 / 82
p0 291 ± 0.2329
500
450
400
350
300
250

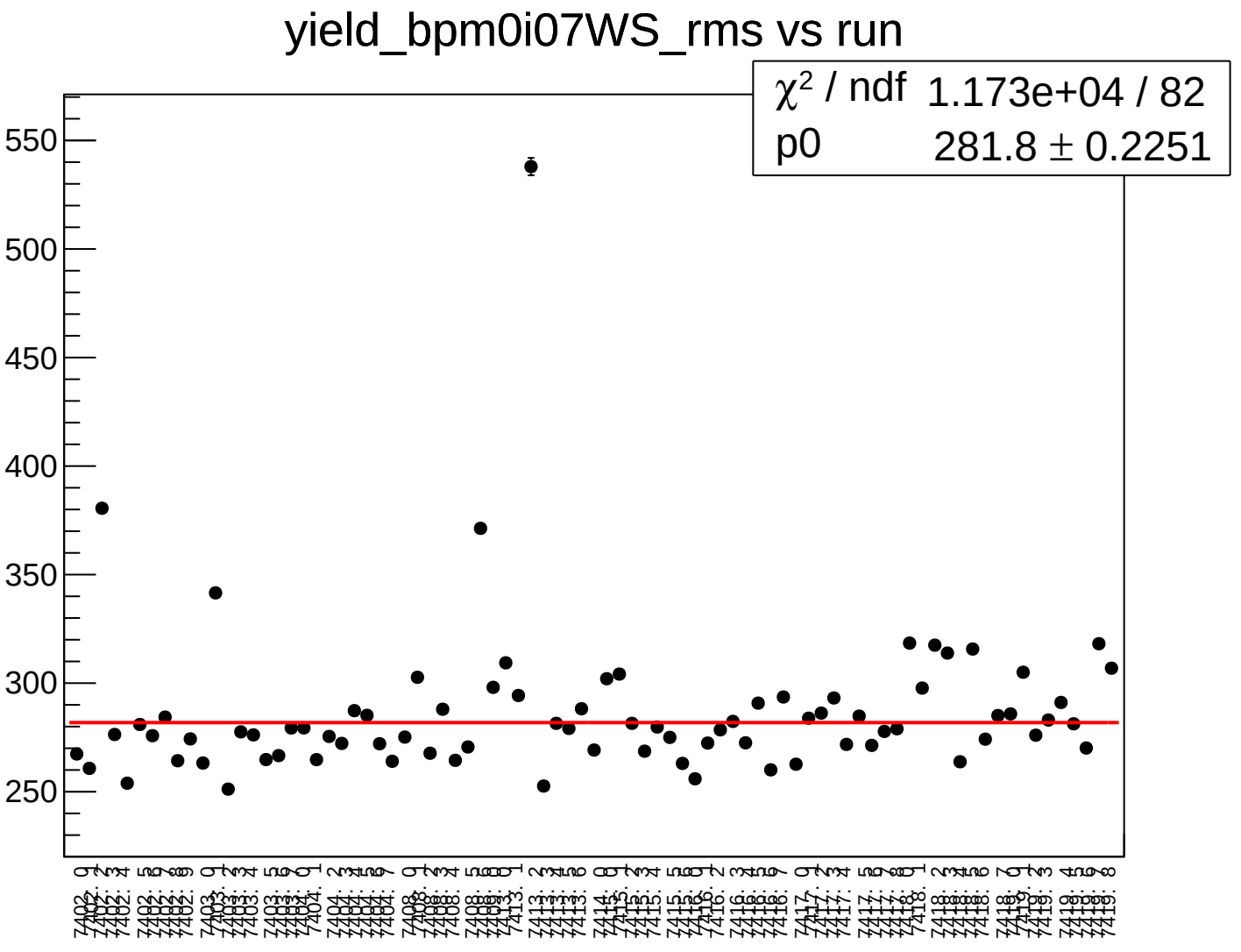

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.994e+05 / 82
p0 1.446e+05 ± 0.3304
145
144.8
144.6
144.4
144.2
pull
Entries 83
Mean −72.3
Std Dev 136.4
100
50
0
−50
−100
−150

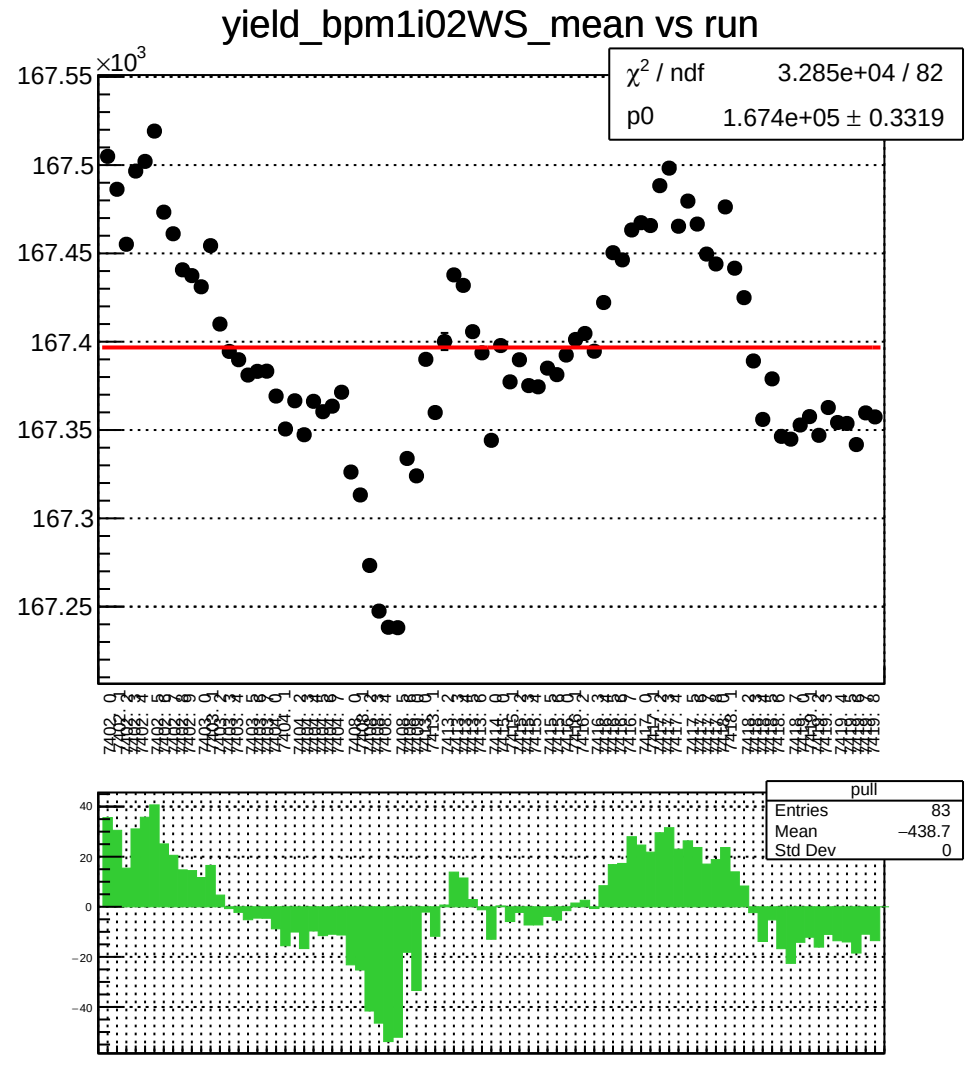

pull1D
Entries 83
Mean −0.4692
Std Dev 5.913
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

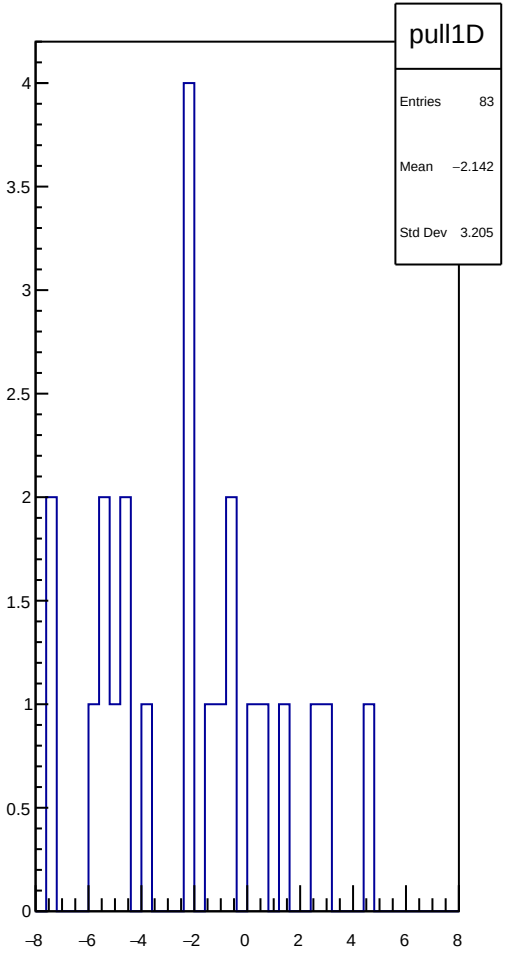

yield_bpm0i05WS_rms vs run
χ² / ndf 2.051e+04 / 82
p0 291.7 ± 0.2337
650
600
550
500
450
400
350
300
250

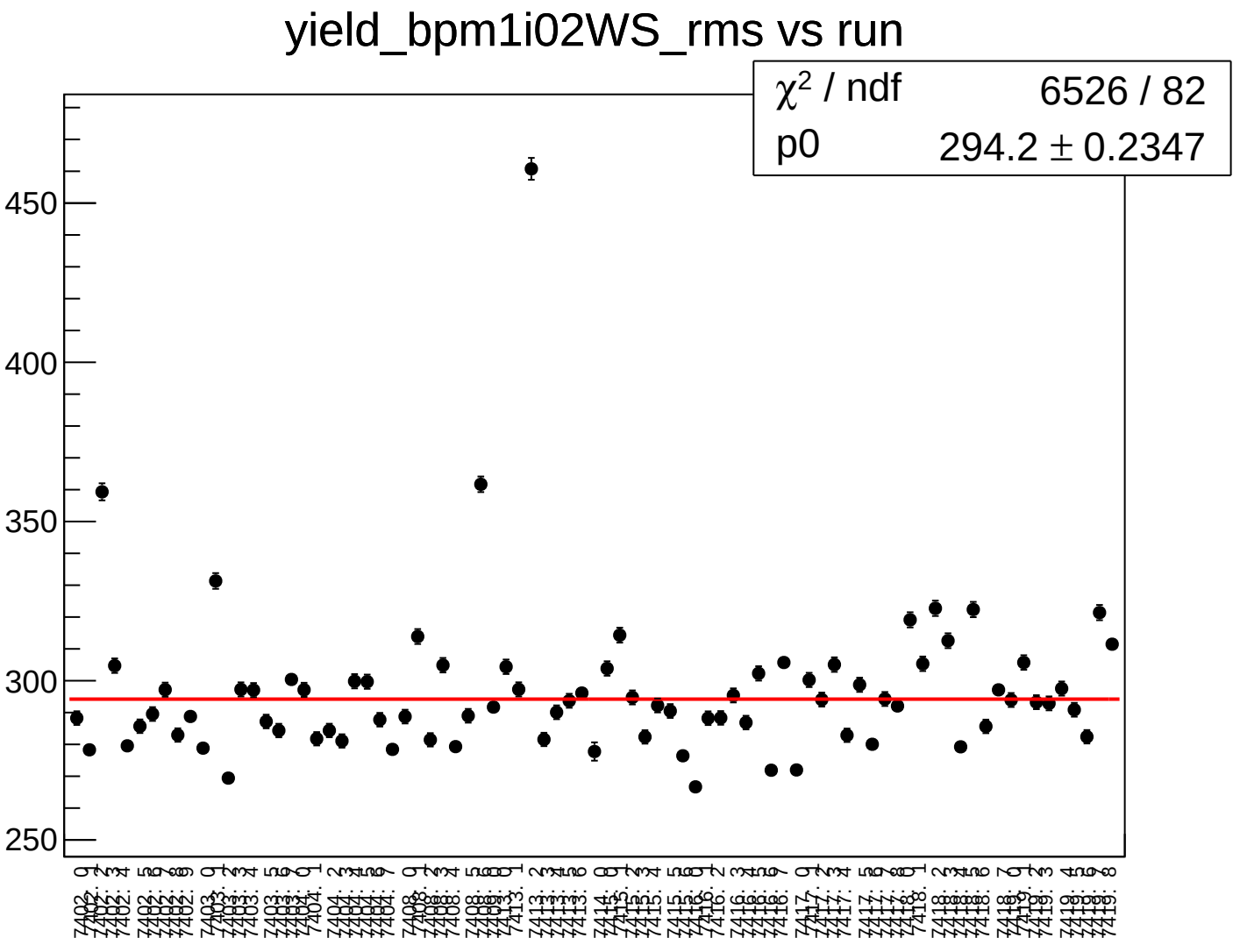

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 4.902e+04 / 82
p0 1.404e+05 ± 0.3184
140.6
140.55
140.5
140.45
140.4
140.35
140.3
140.25
140.2
pull
Entries 83
Mean 1081
Std Dev 0
80
60
40
20
0
−20
−40

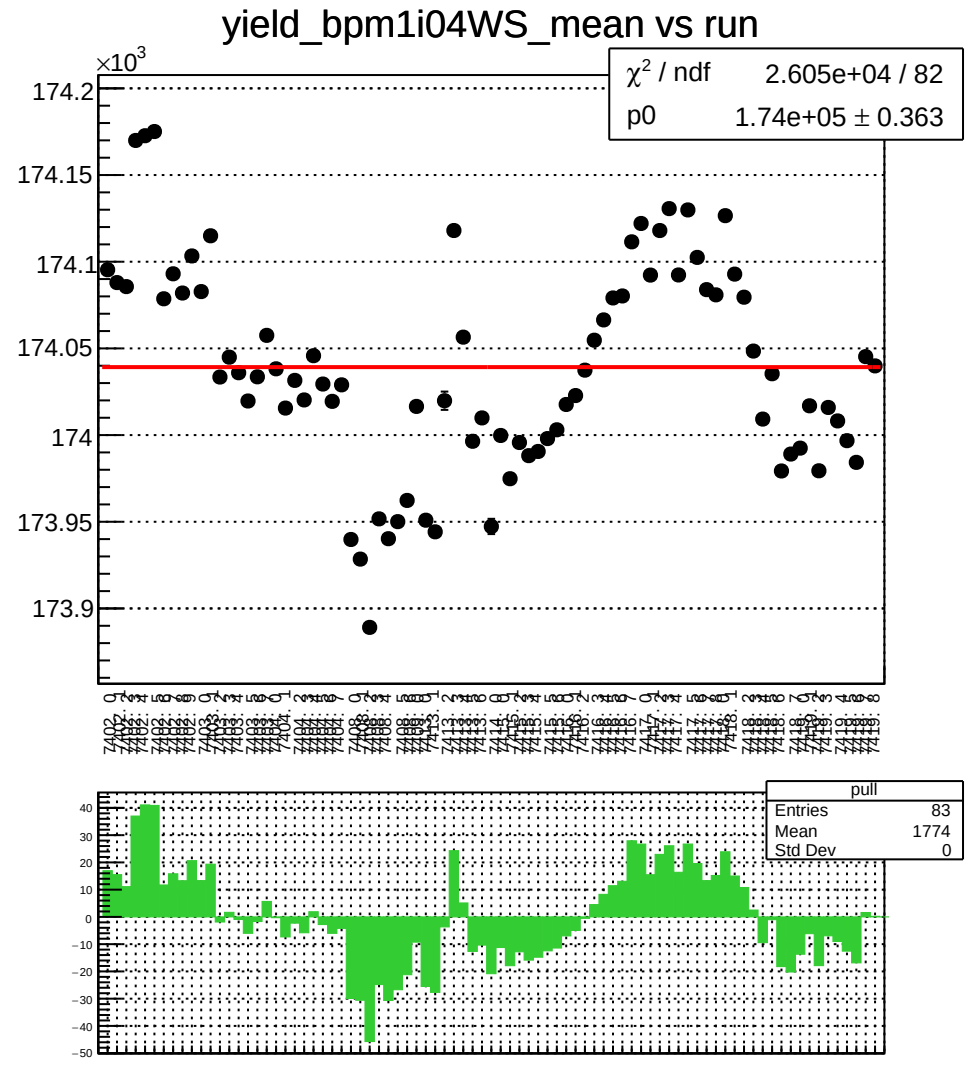

pull1D
Entries 83
Mean 1.006
Std Dev 4.274
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

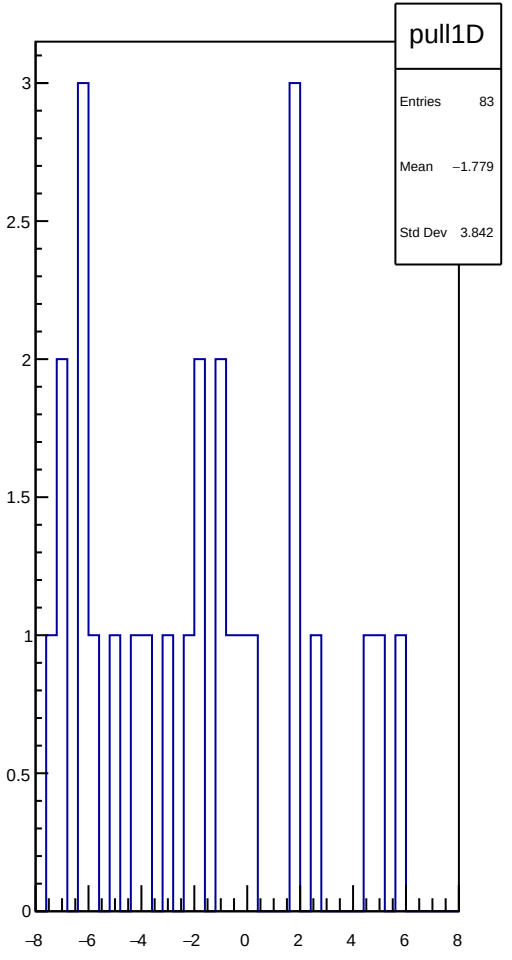

yield_bpm0i07WS_rms vs run
χ² / ndf 1.173e+04 / 82
p0 281.8 ± 0.2251
550
500
450
400
350
300
250

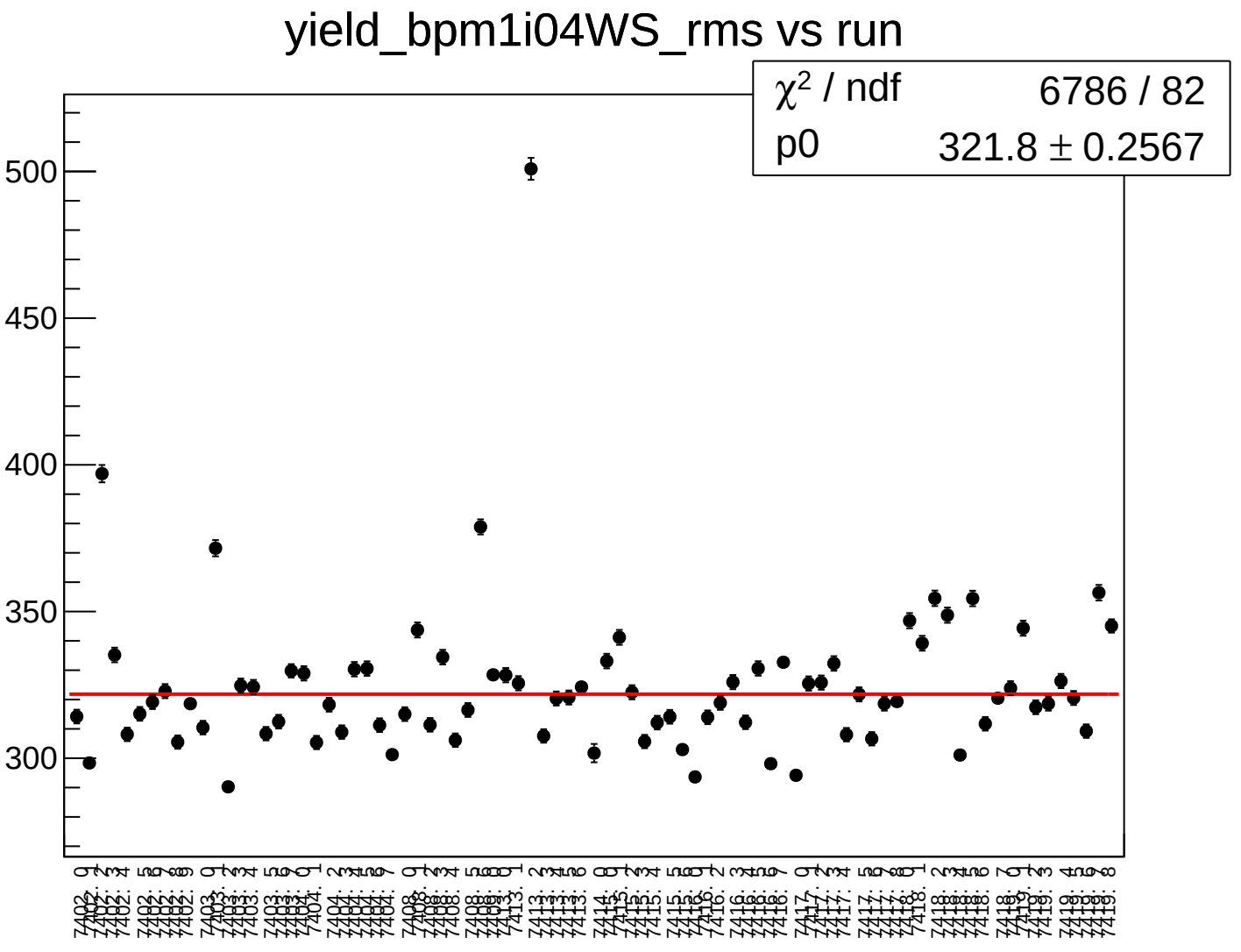

yield_bpm1i02WS_mean vs run
×10^3
167.55
167.5
167.45
167.4
167.35
167.3
167.25
χ² / ndf 3.285e+04 / 82
p0 1.674e+05 ± 0.3319
pull
Entries 83
Mean −438.7
Std Dev 0
40
20
0
−20
−40

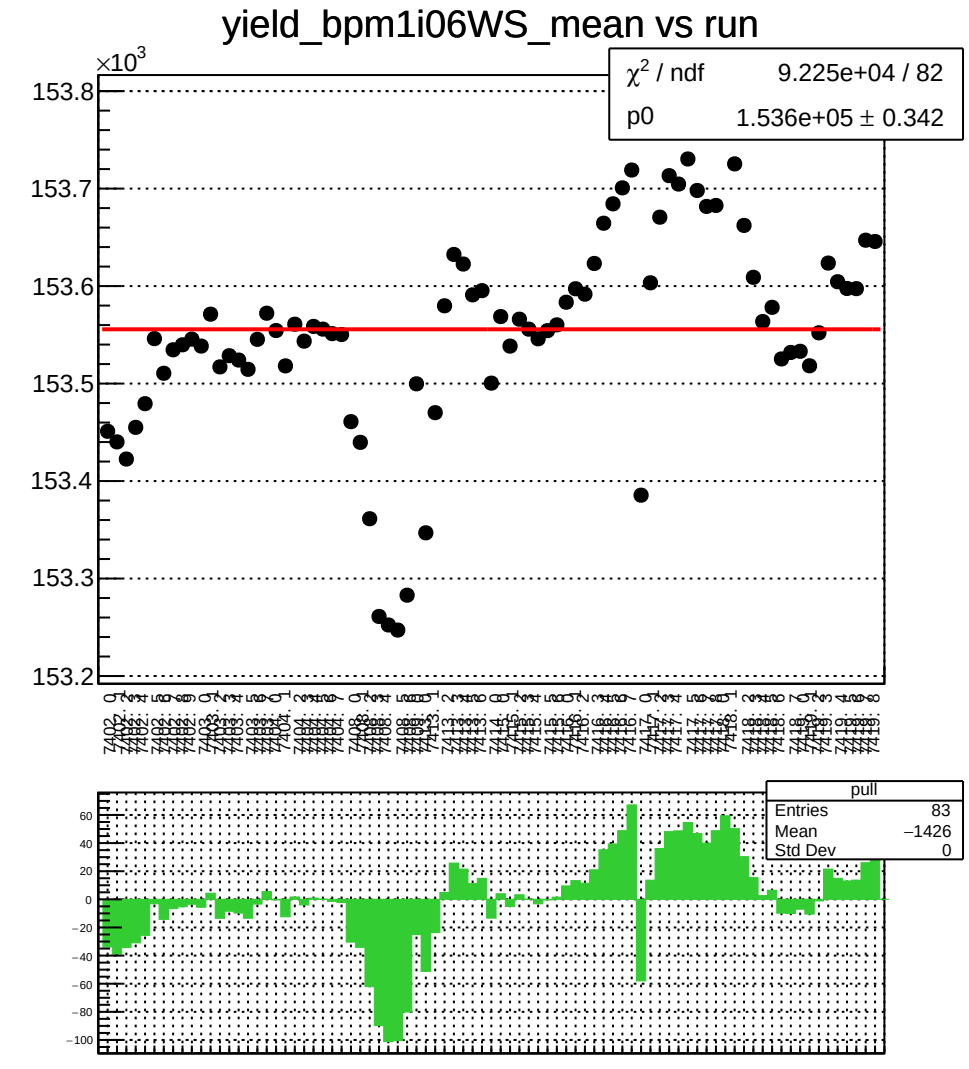

pull1D
Entries 83
Mean −2.142
Std Dev 3.205
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

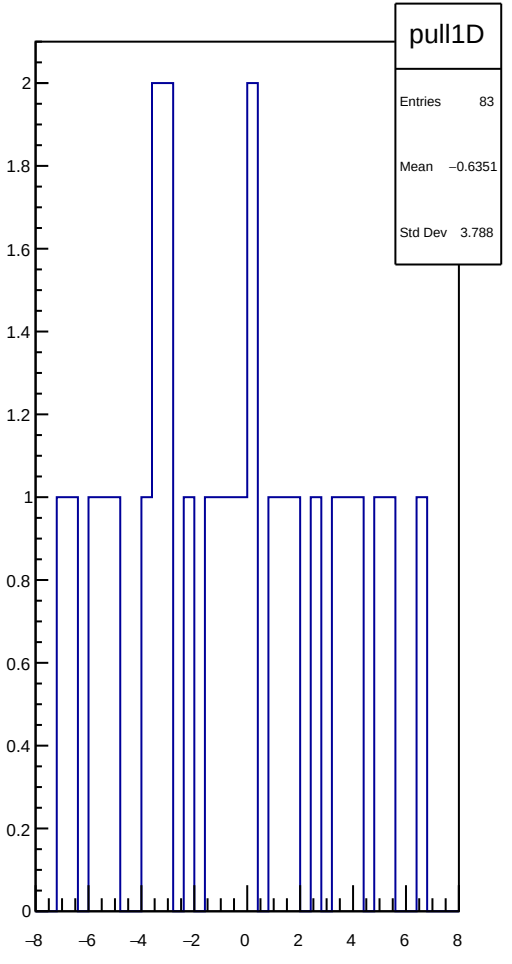

yield_bpm1i02WS_rms vs run
χ^2 / ndf 6526 / 82
p0 294.2 ± 0.2347
450
400
350
300
250

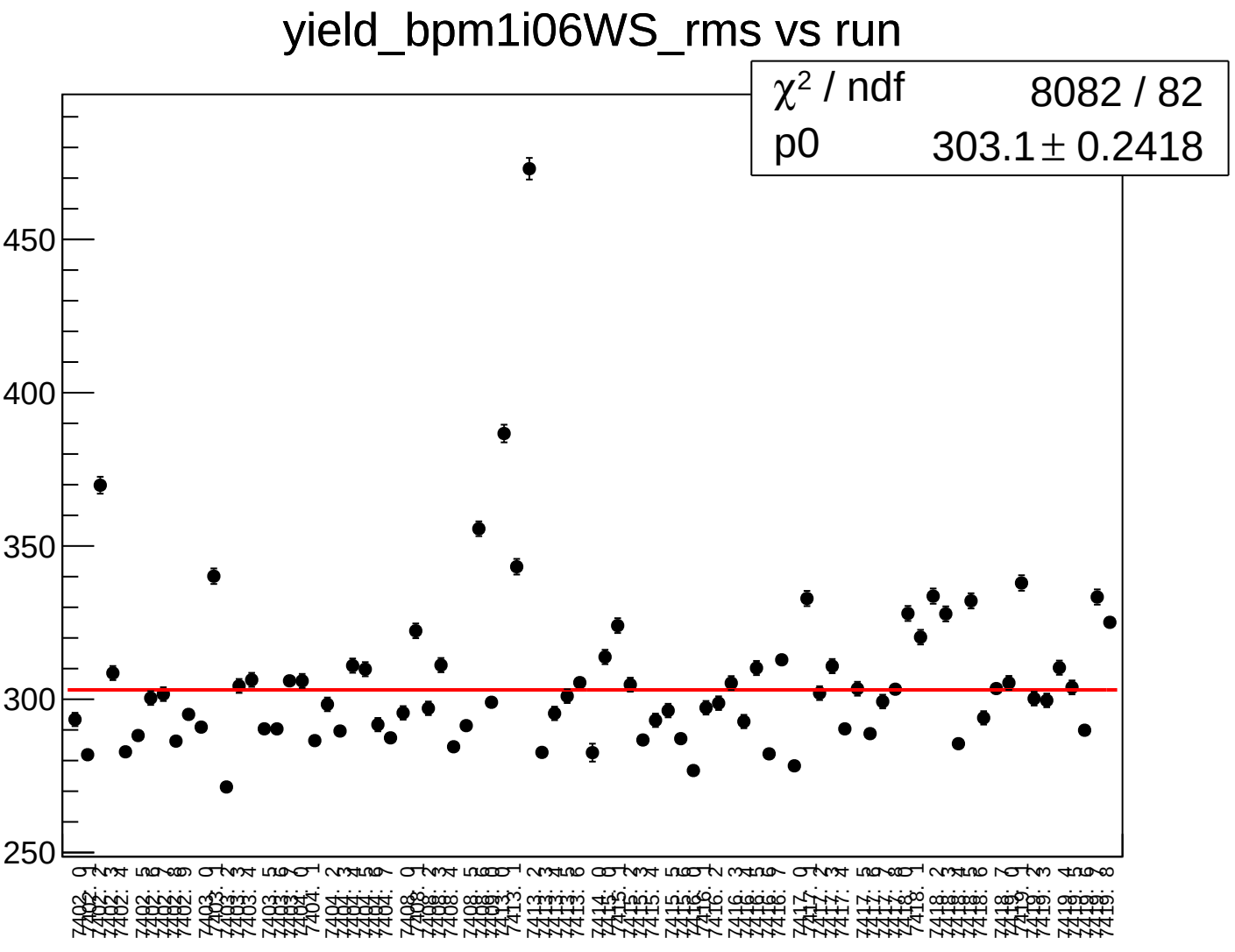

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 2.605e+04 / 82
p0 1.74e+05 ± 0.363
174.2
174.15
174.1
174.05
174
173.95
173.9
pull
Entries 83
Mean 1774
Std Dev 0
40
30
20
10
0
−10
−20
−30
−40
−50

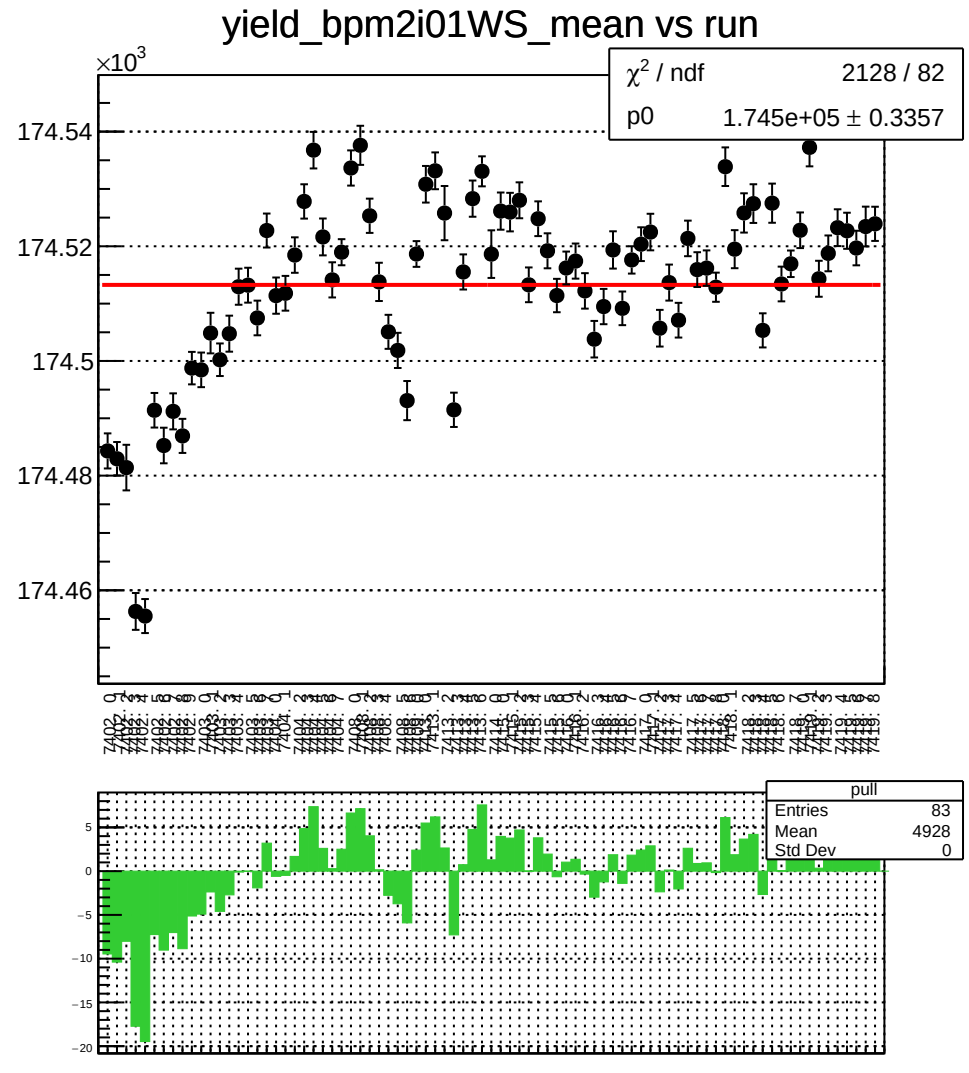

pull1D
Entries 83
Mean −1.779
Std Dev 3.842
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

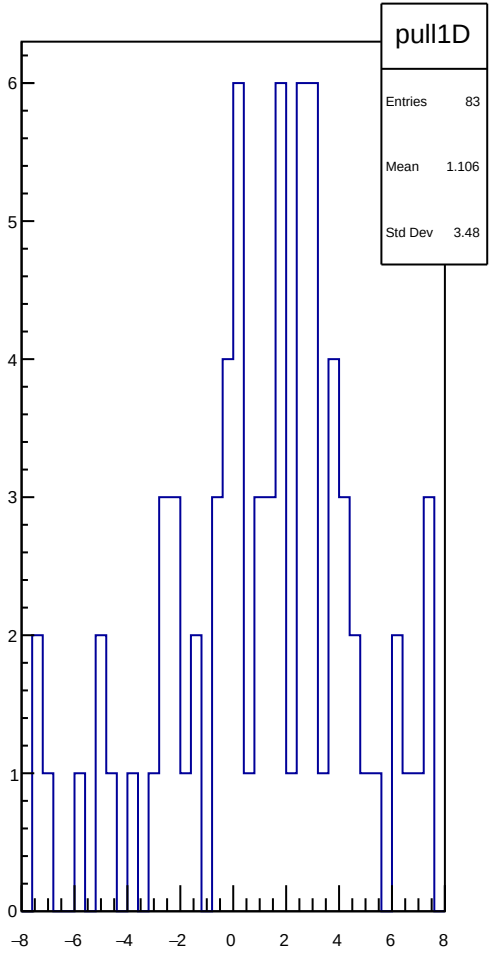

yield_bpm1i04WS_rms vs run
χ² / ndf 6786 / 82
p0 321.8 ± 0.2567
500
450
400
350
300

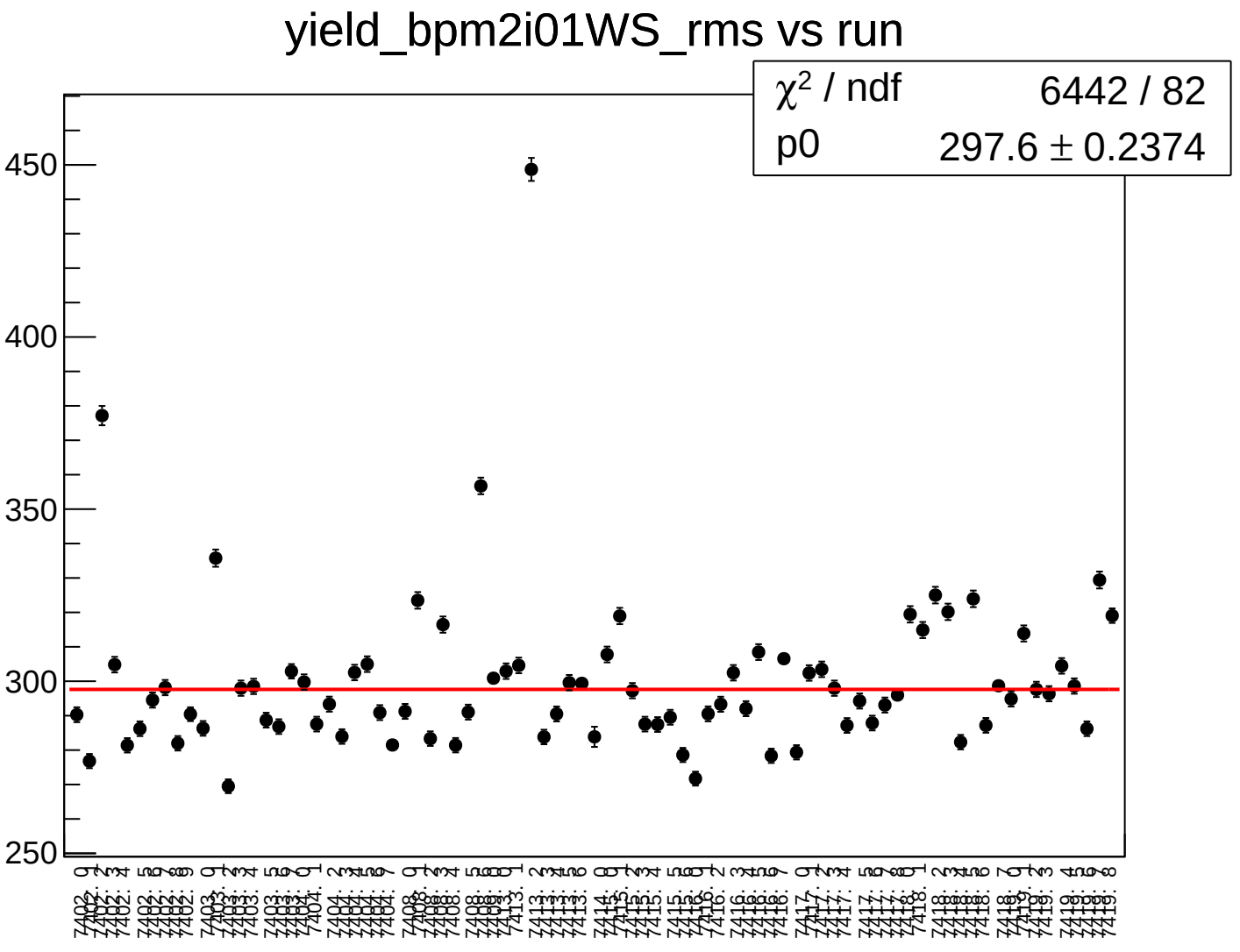

yield_bpm1i06WS_mean vs run
×10^3
153.8
153.7
153.6
153.5
153.4
153.3
153.2
χ² / ndf 9.225e+04 / 82
p0 1.536e+05 ± 0.342
pull
Entries 83
Mean −1426
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

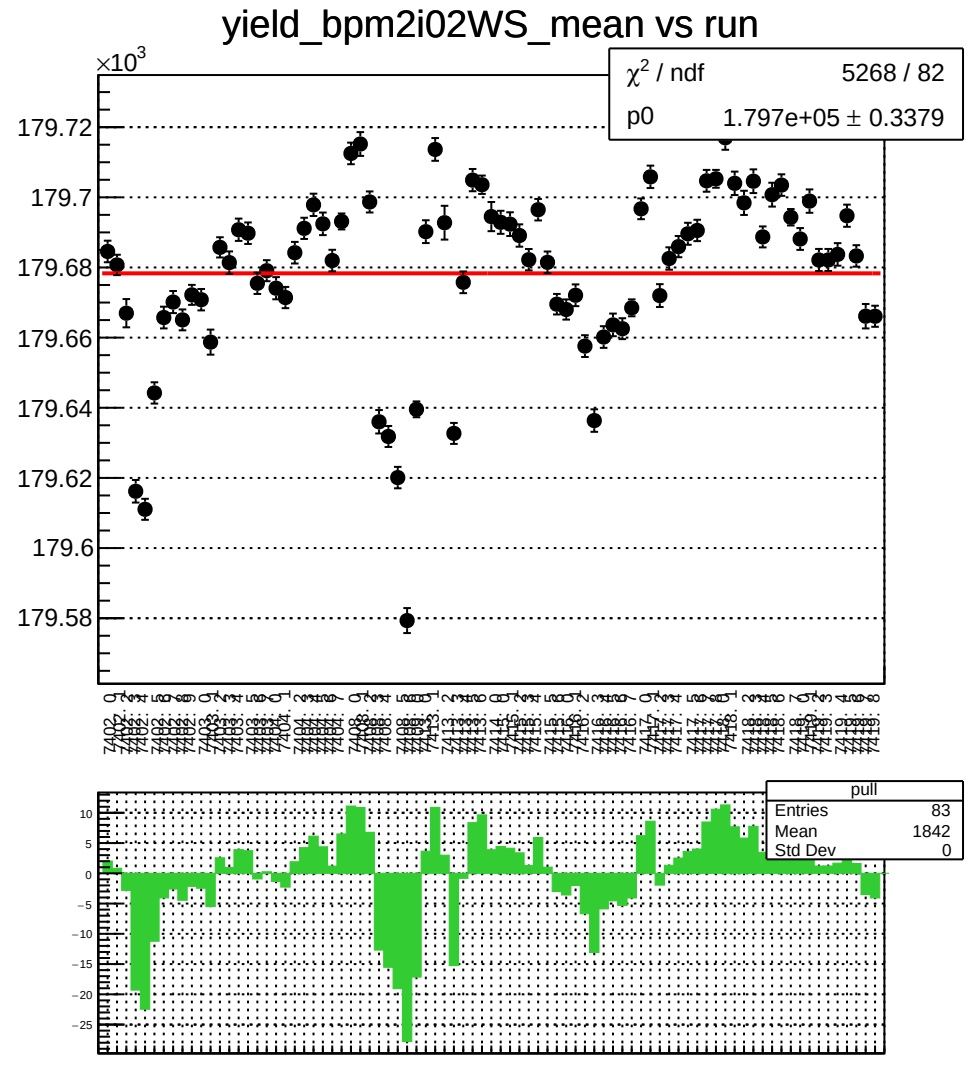

pull1D
Entries 83
Mean −0.6351
Std Dev 3.788
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

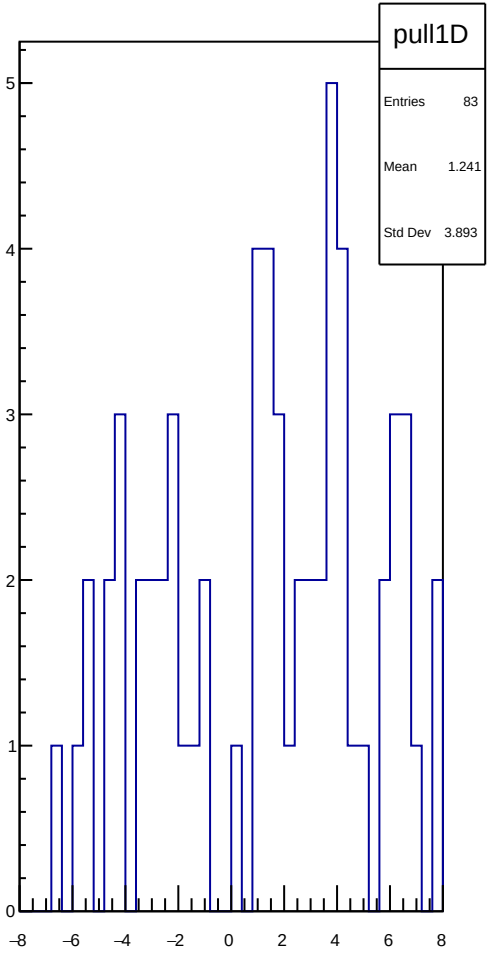

yield_bpm1i06WS_rms vs run
χ² / ndf 8082 / 82
p0 303.1 ± 0.2418
450
400
350
300
250

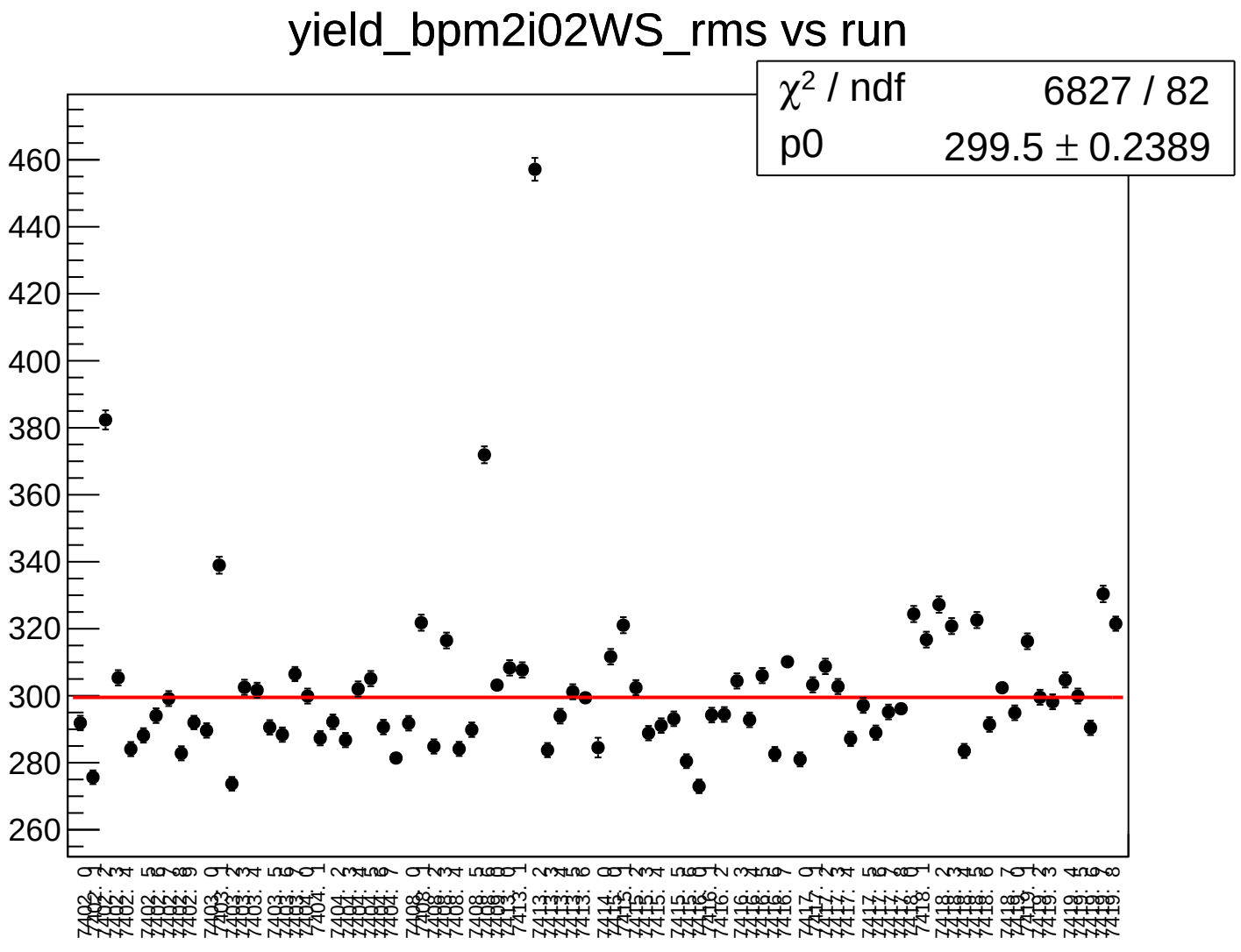

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2128 / 82
p0 1.745e+05 ± 0.3357
174.54
174.52
174.5
174.48
174.46
pull
Entries 83
Mean 4928
Std Dev 0
5
0
−5
−10
−15
−20

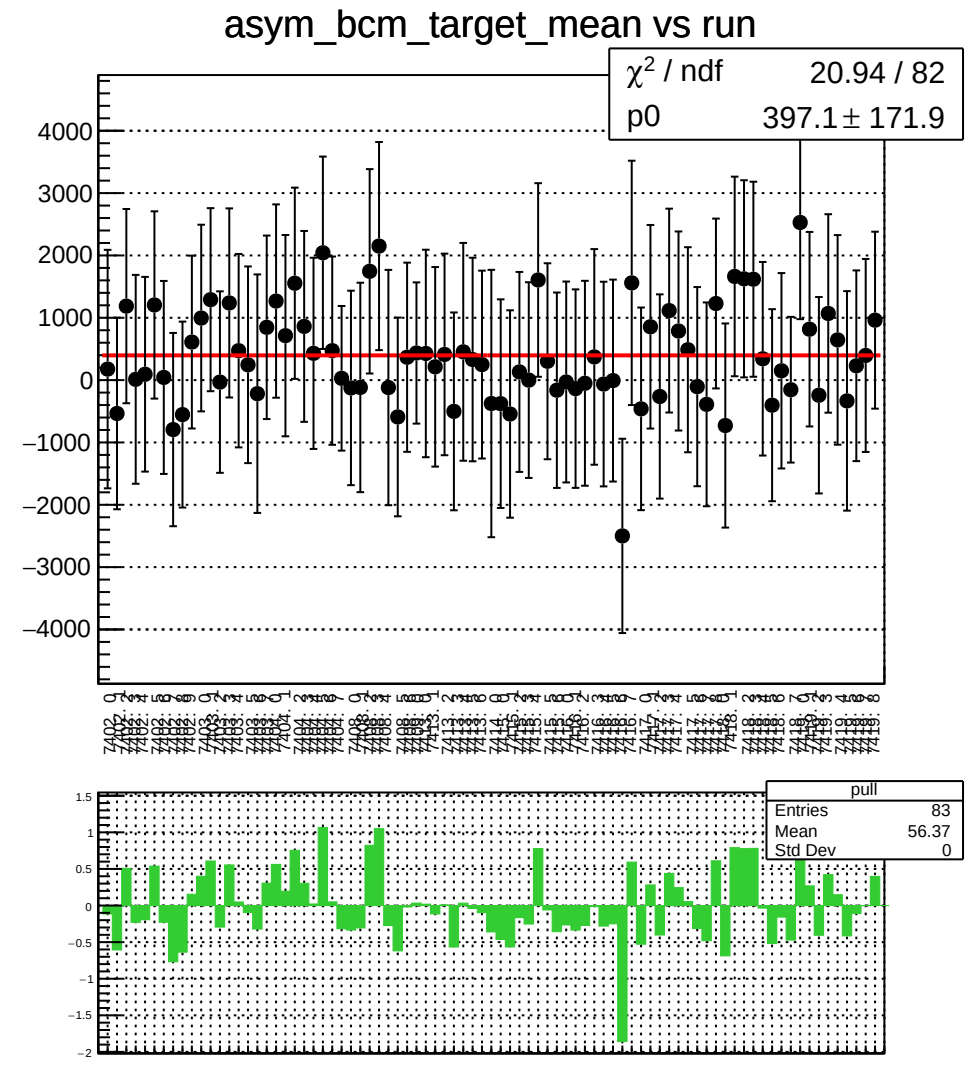

pull1D
Entries 83
Mean 1.106
Std Dev 3.48
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

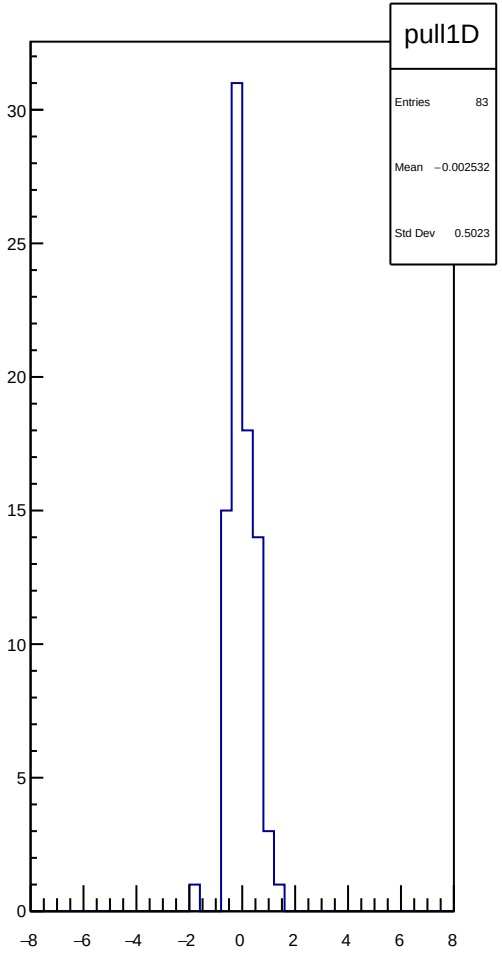

yield_bpm2i01WS_rms vs run
χ² / ndf 6442 / 82
p0 297.6 ± 0.2374
450
400
350
300
250

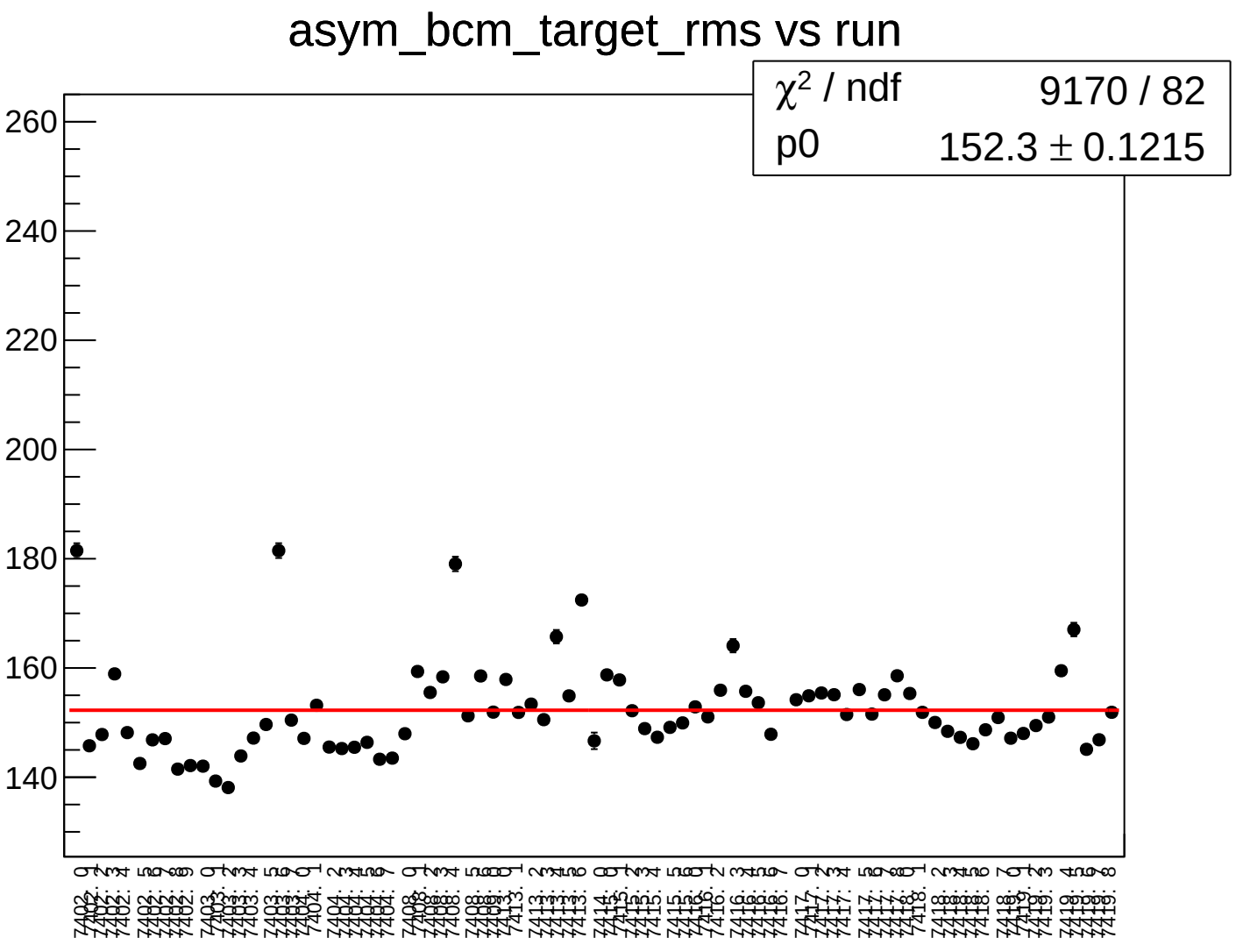

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 5268 / 82
p0 1.797e+05 ± 0.3379
179.72
179.7
179.68
179.66
179.64
179.62
179.6
179.58
pull
Entries 83
Mean 1842
Std Dev 0
10
5
0
−5
−10
−15
−20
−25

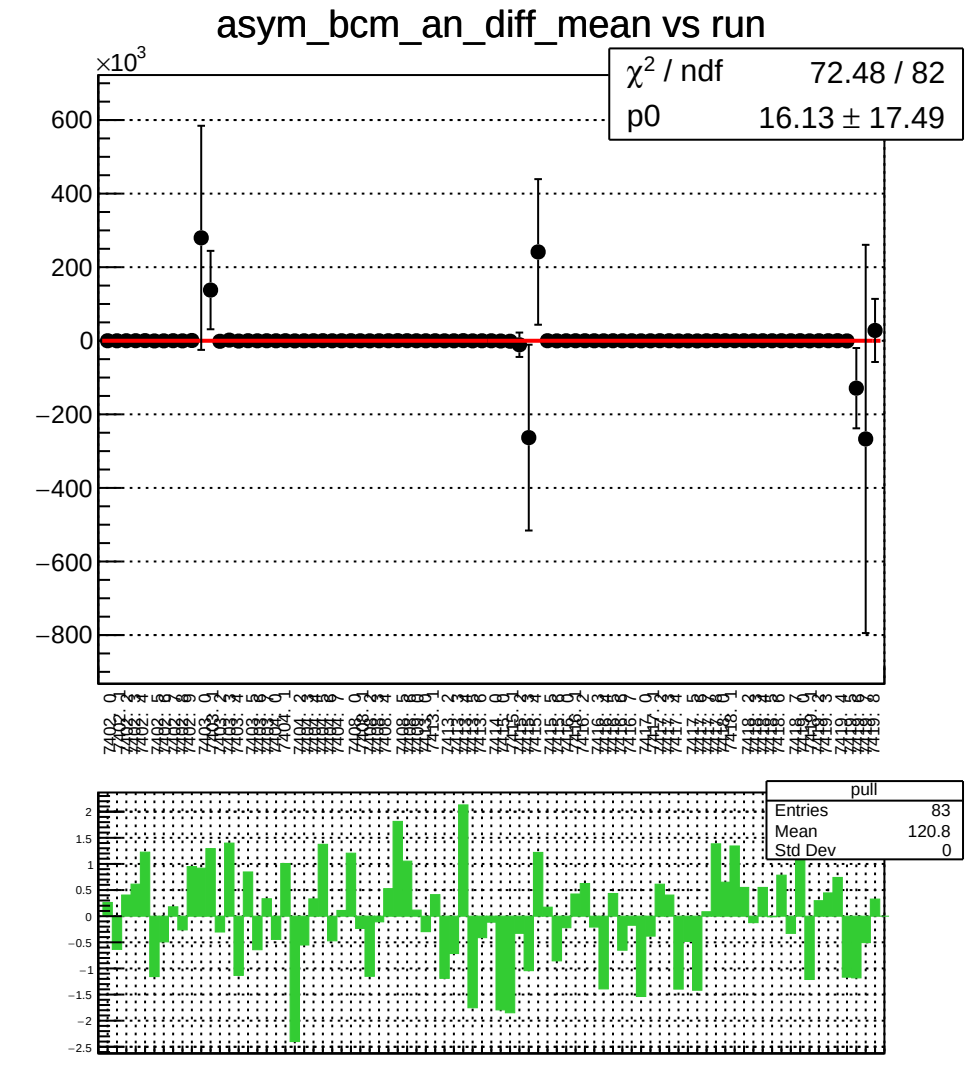

pull1D
Entries 83
Mean 1.241
Std Dev 3.893
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

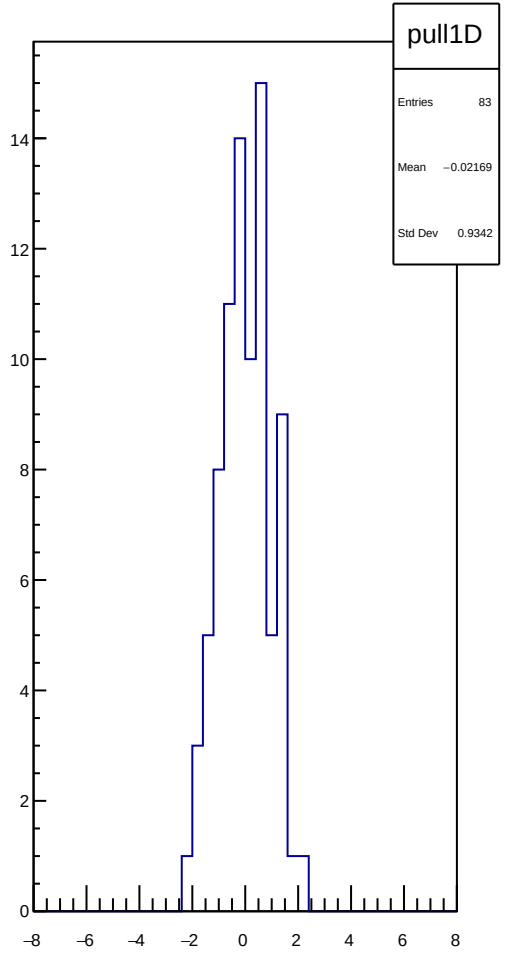

yield_bpm2i02WS_rms vs run
χ² / ndf 6827 / 82
p0 299.5 ± 0.2389
460
440
420
400
380
360
340
320
300
280
260

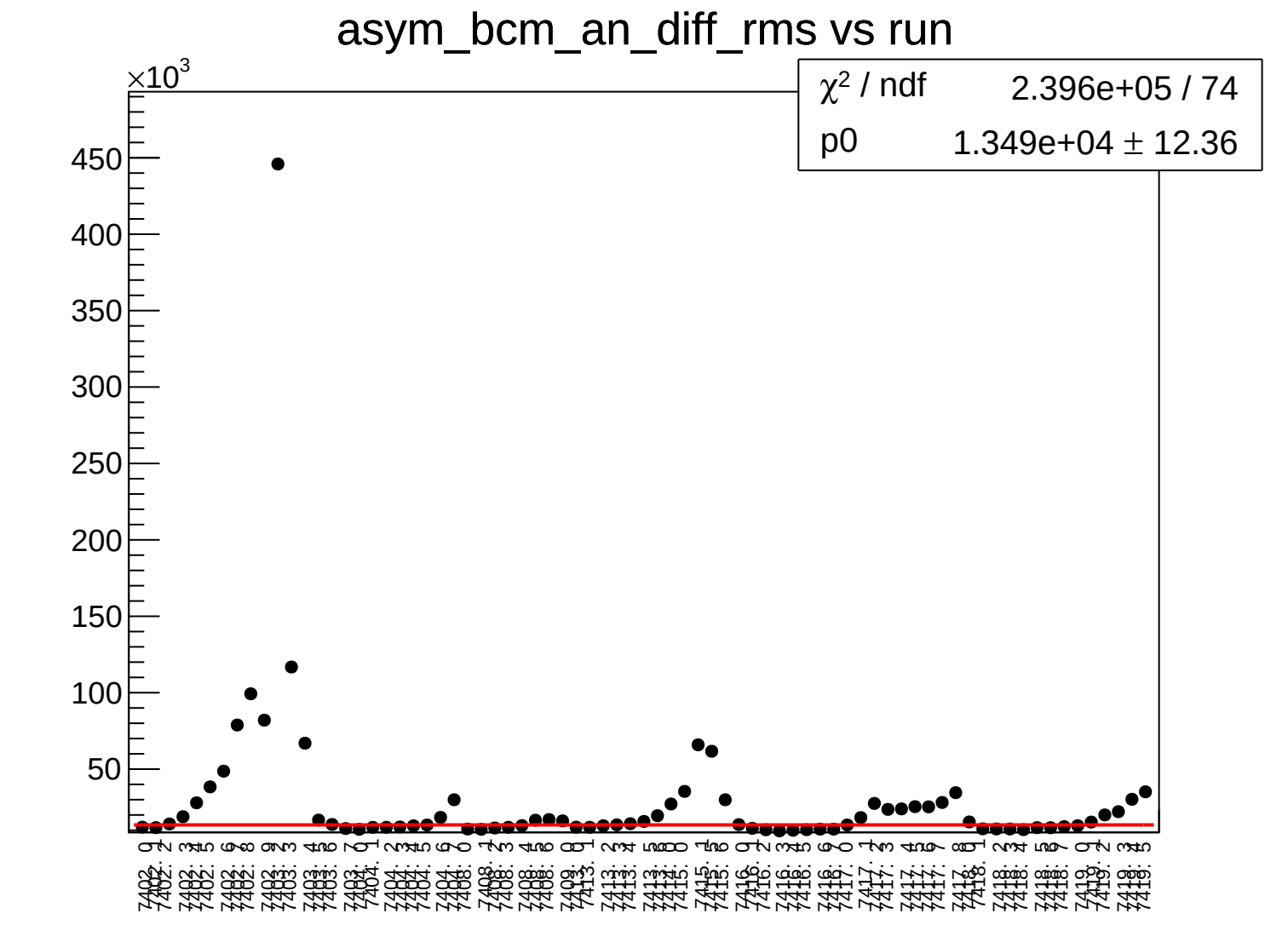

asym_bcm_target_mean vs run
χ² / ndf 20.94 / 82
p0 397.1 ± 171.9
pull
Entries 83
Mean 56.37
Std Dev 0

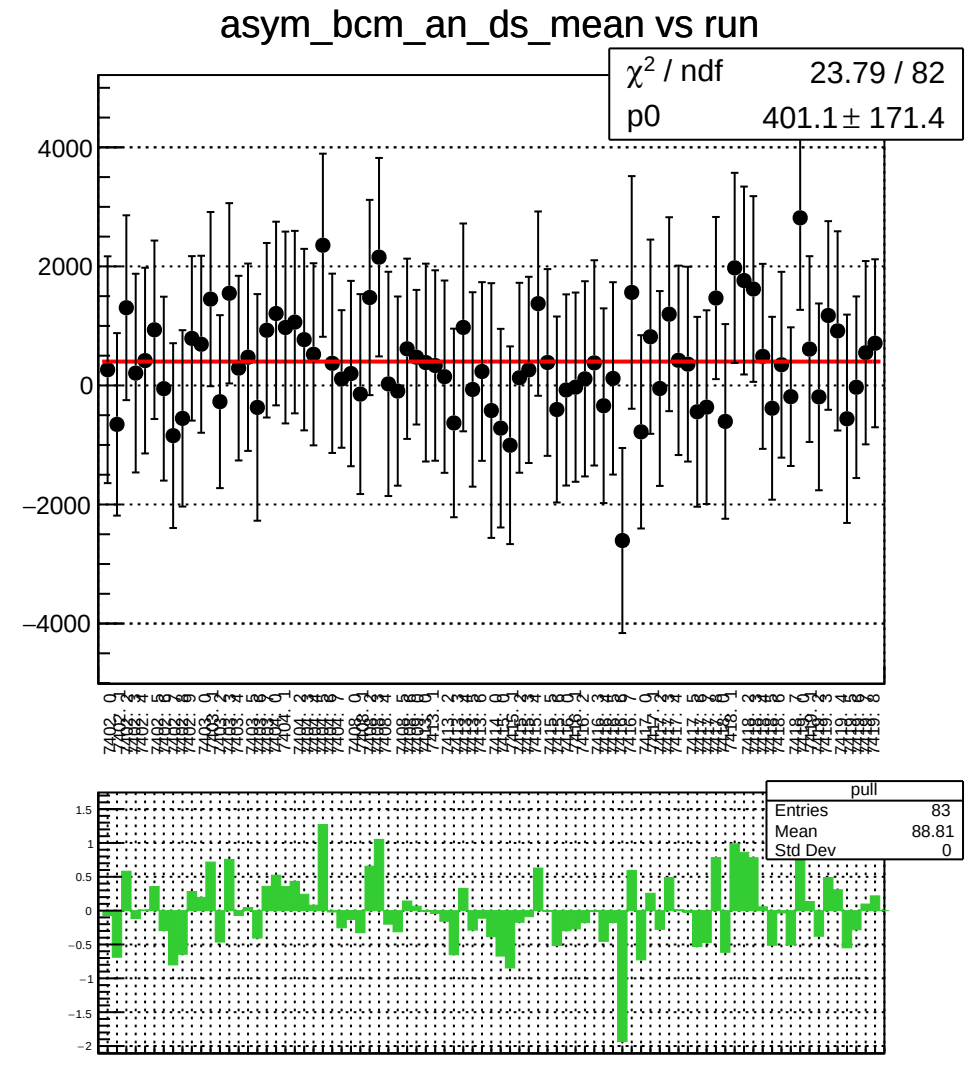

pull1D
Entries 83
Mean −0.002532
Std Dev 0.5023

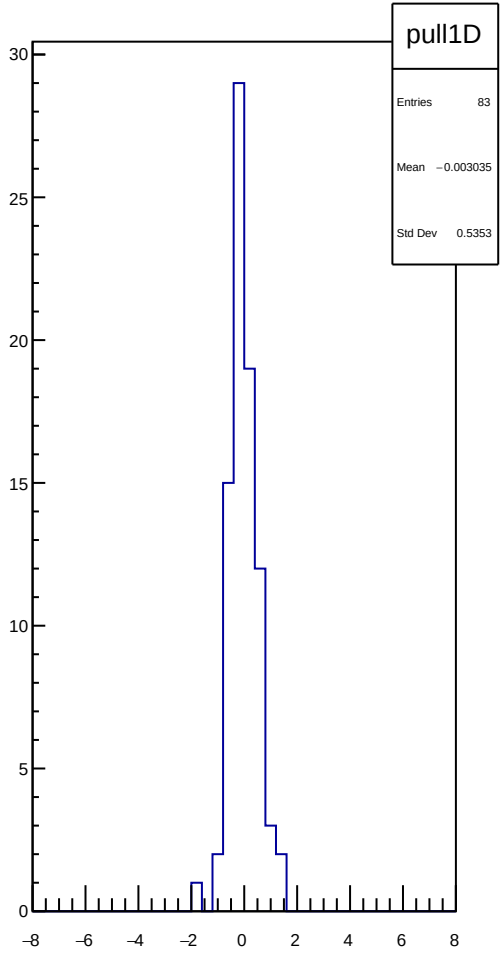

asym_bcm_target_rms vs run
χ² / ndf 9170 / 82
p0 152.3 ± 0.1215
260
240
220
200
180
160
140

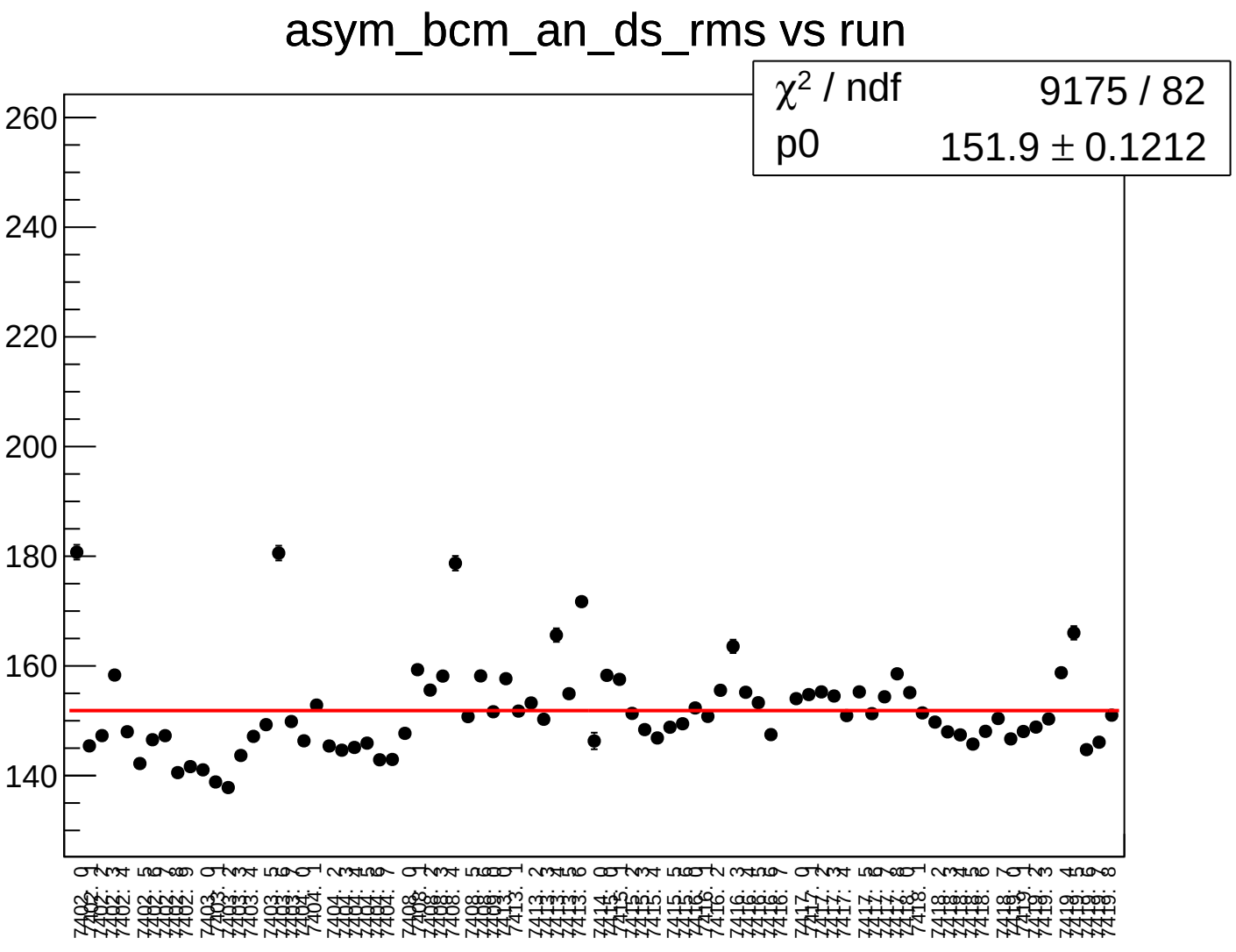

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 72.48 / 82
p0 16.13 ± 17.49
pull
Entries 83
Mean 120.8
Std Dev 0

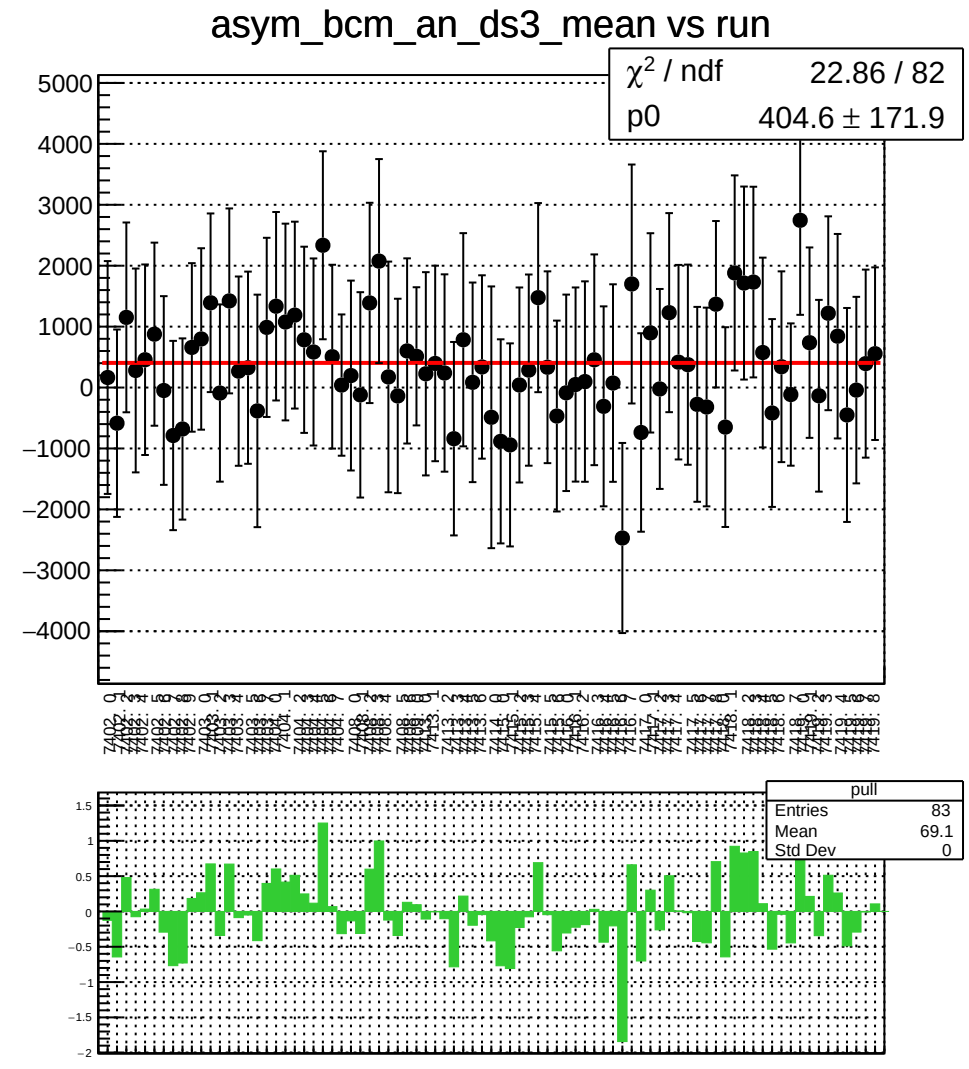

pull1D
Entries 83
Mean −0.02169
Std Dev 0.9342

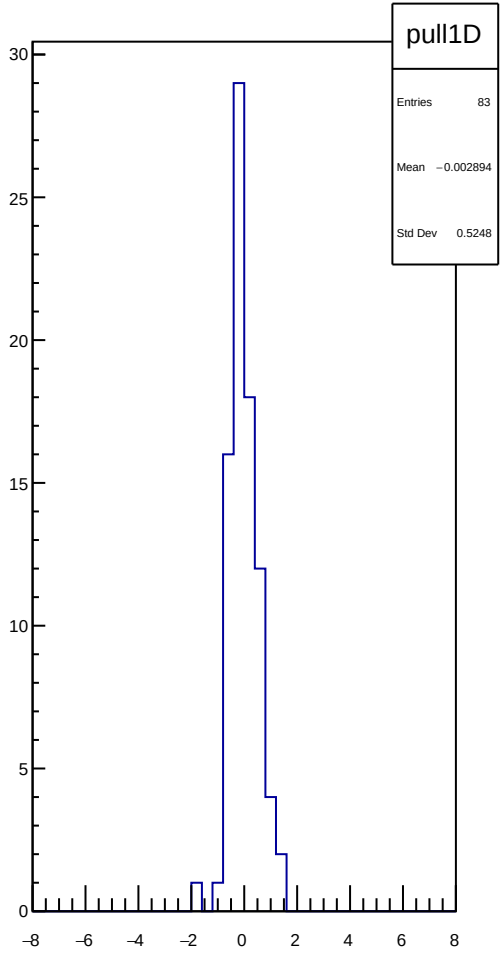

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 2.396e+05 / 74
p0 1.349e+04 ± 12.36
450
400
350
300
250
200
150
100
50

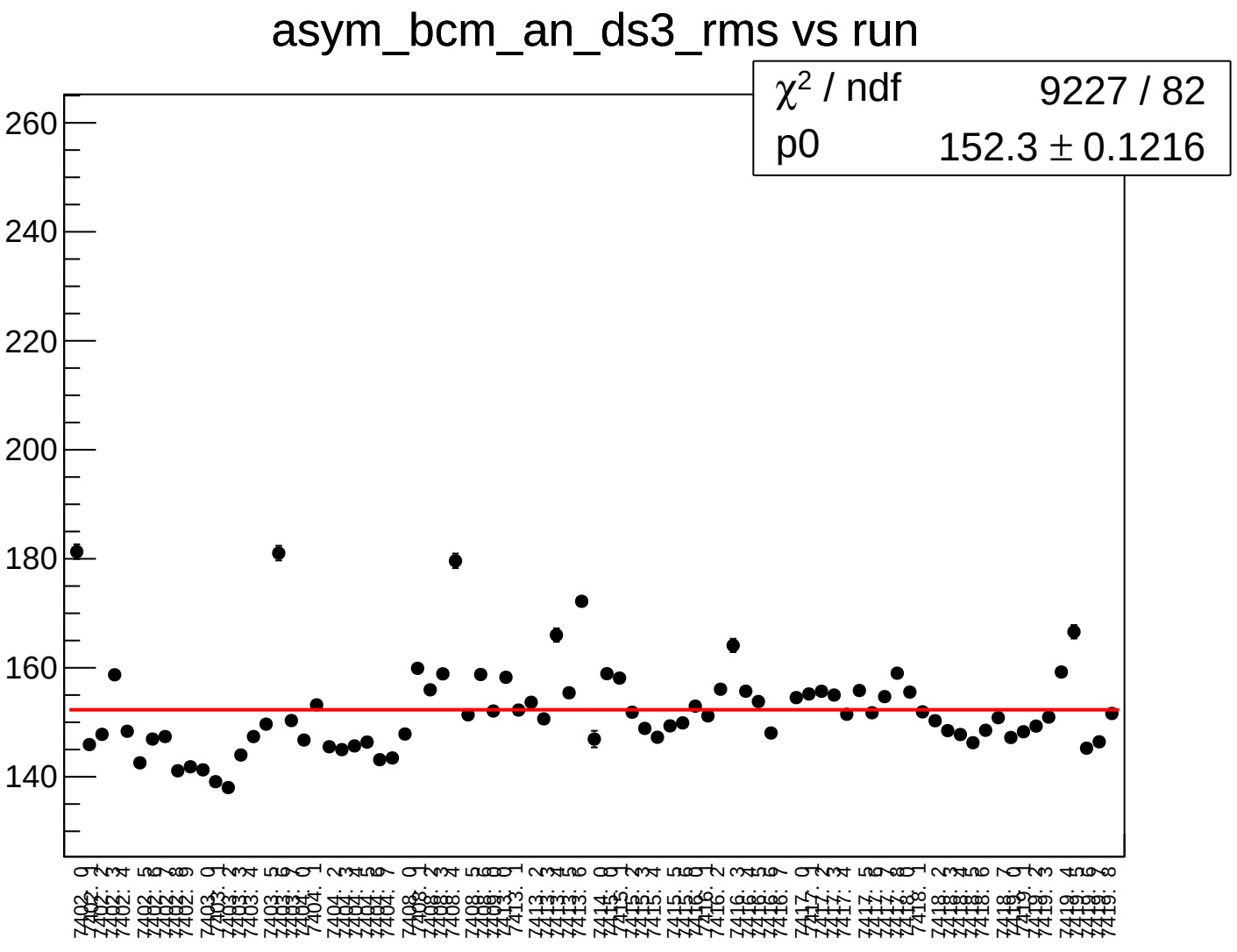

asym_bcm_an_ds_mean vs run
χ² / ndf 23.79 / 82
p0 401.1 ± 171.4
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 88.81
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

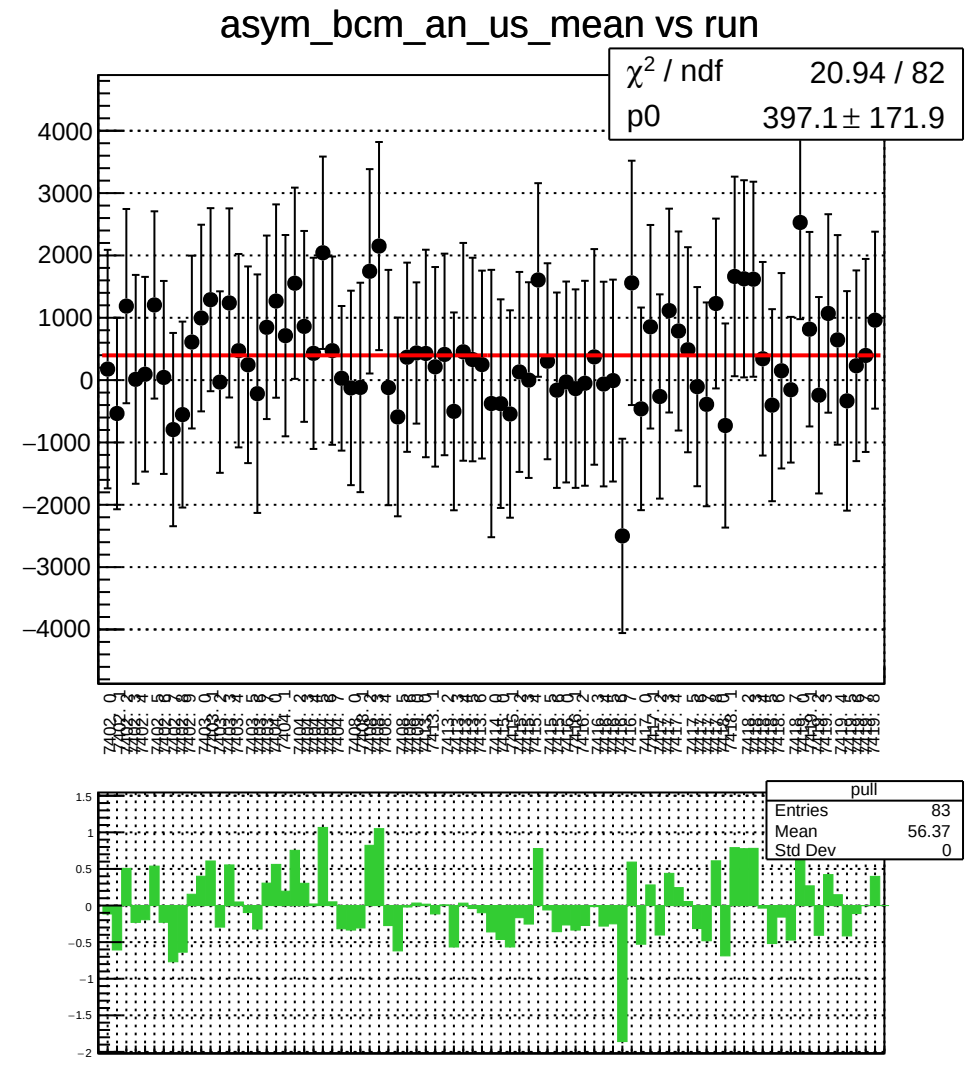

pull1D
Entries 83
Mean −0.003035
Std Dev 0.5353
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

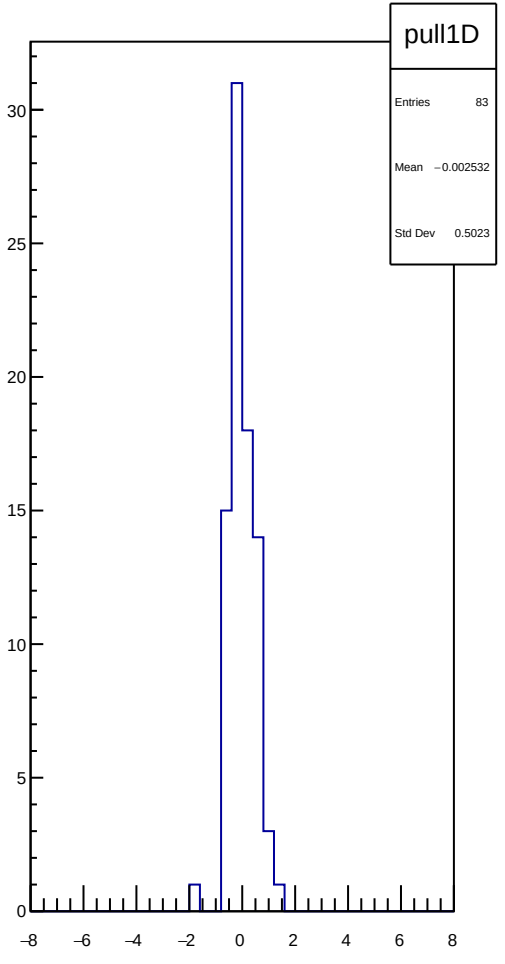

asym_bcm_an_ds_rms vs run
χ² / ndf 9175 / 82
p0 151.9 ± 0.1212
260
240
220
200
180
160
140

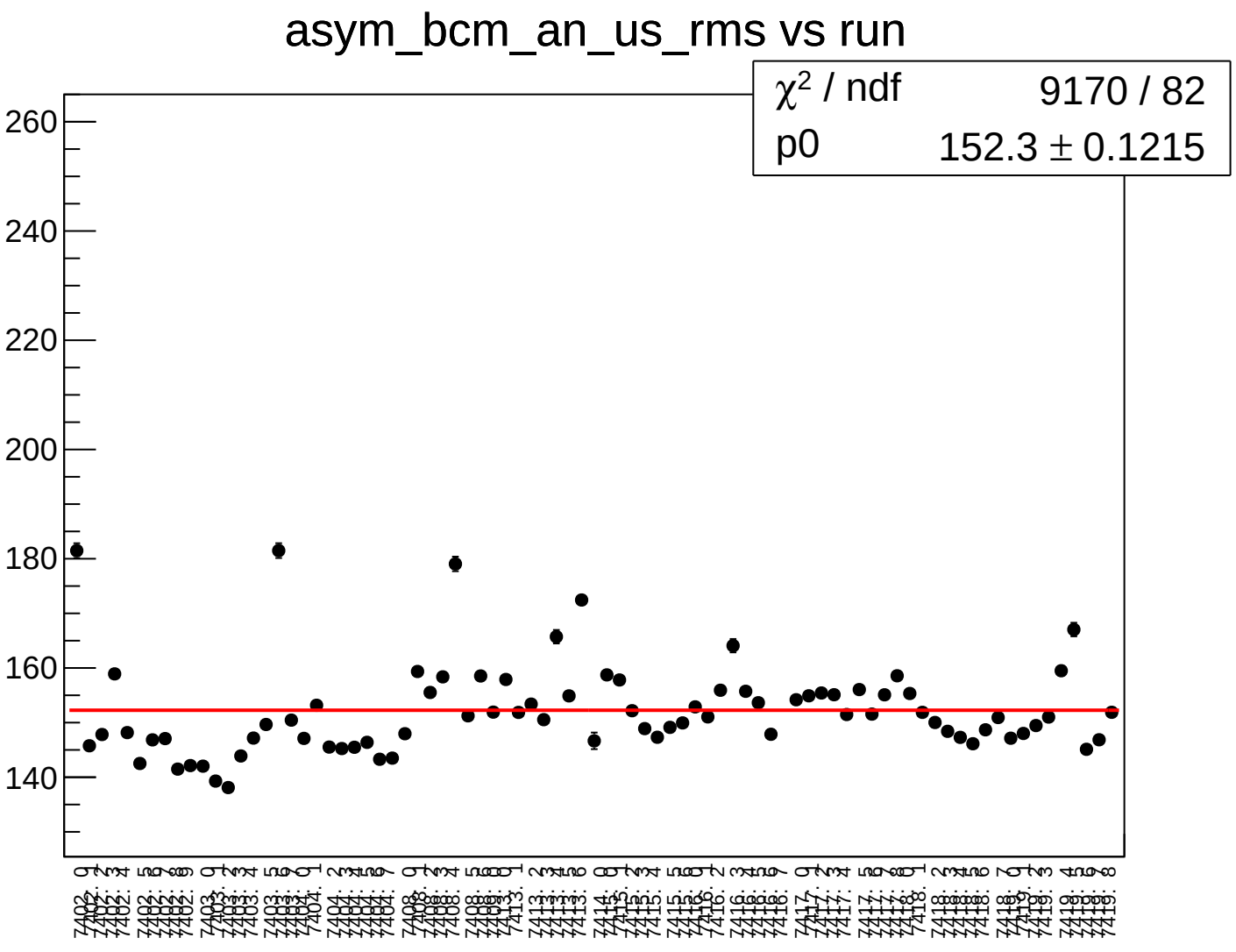

asym_bcm_an_ds3_mean vs run
χ² / ndf 22.86 / 82
p0 404.6 ± 171.9
pull
Entries 83
Mean 69.1
Std Dev 0

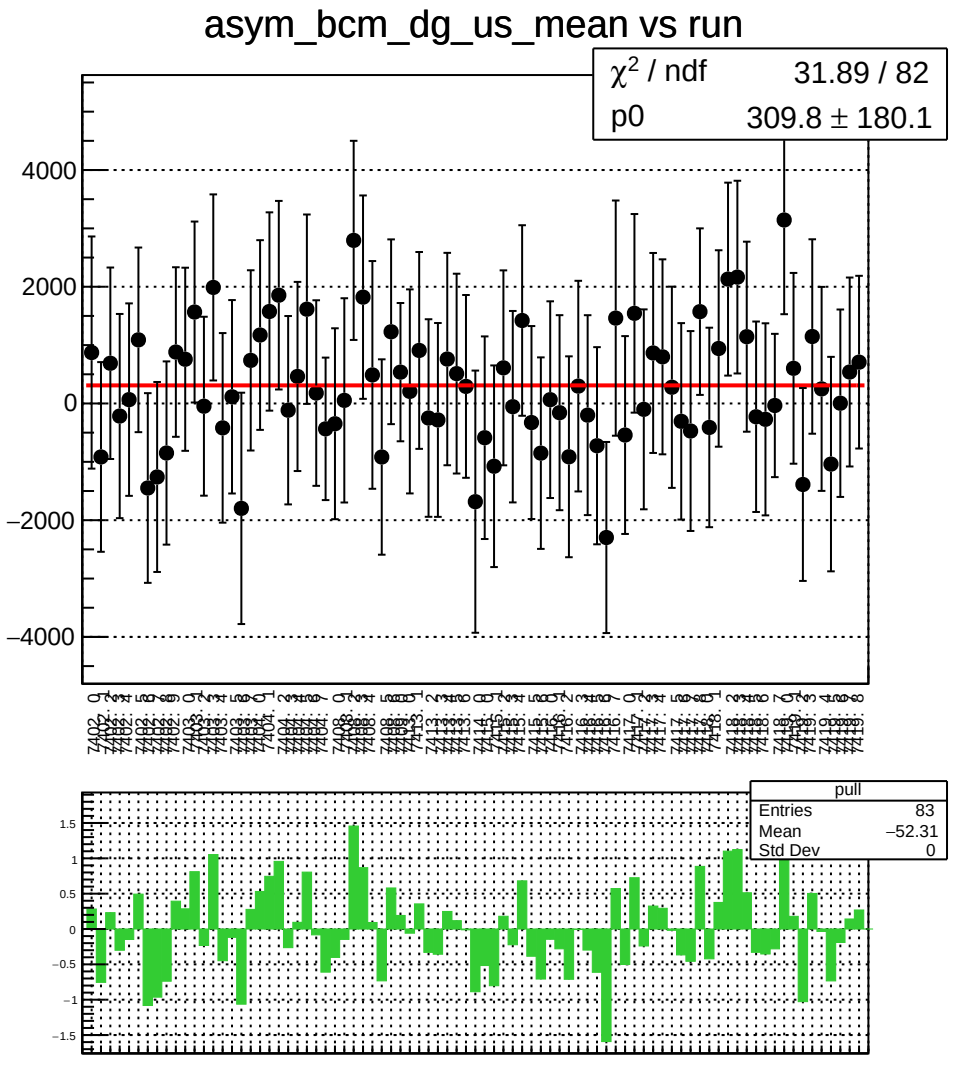

pull1D
Entries 83
Mean −0.002894
Std Dev 0.5248

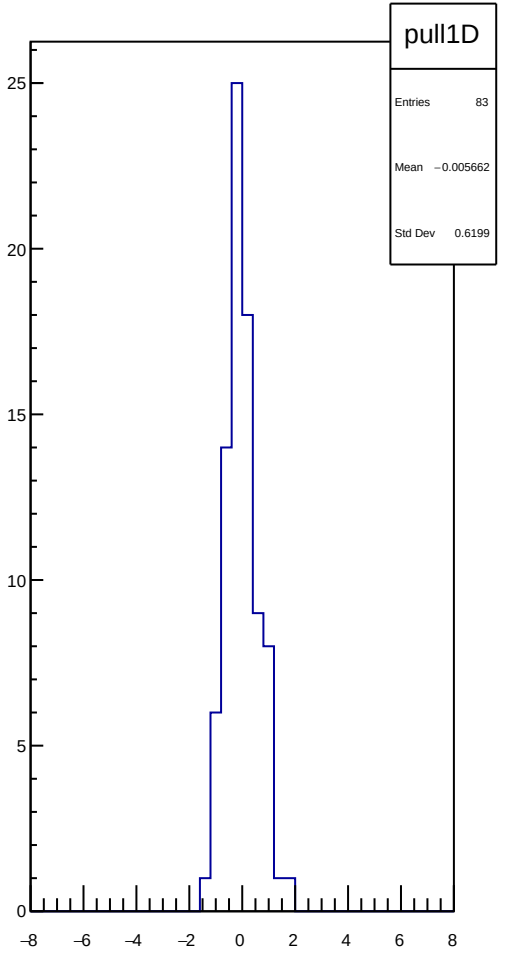

asym_bcm_an_ds3_rms vs run
χ² / ndf 9227 / 82
p0 152.3 ± 0.1216
260
240
220
200
180
160
140

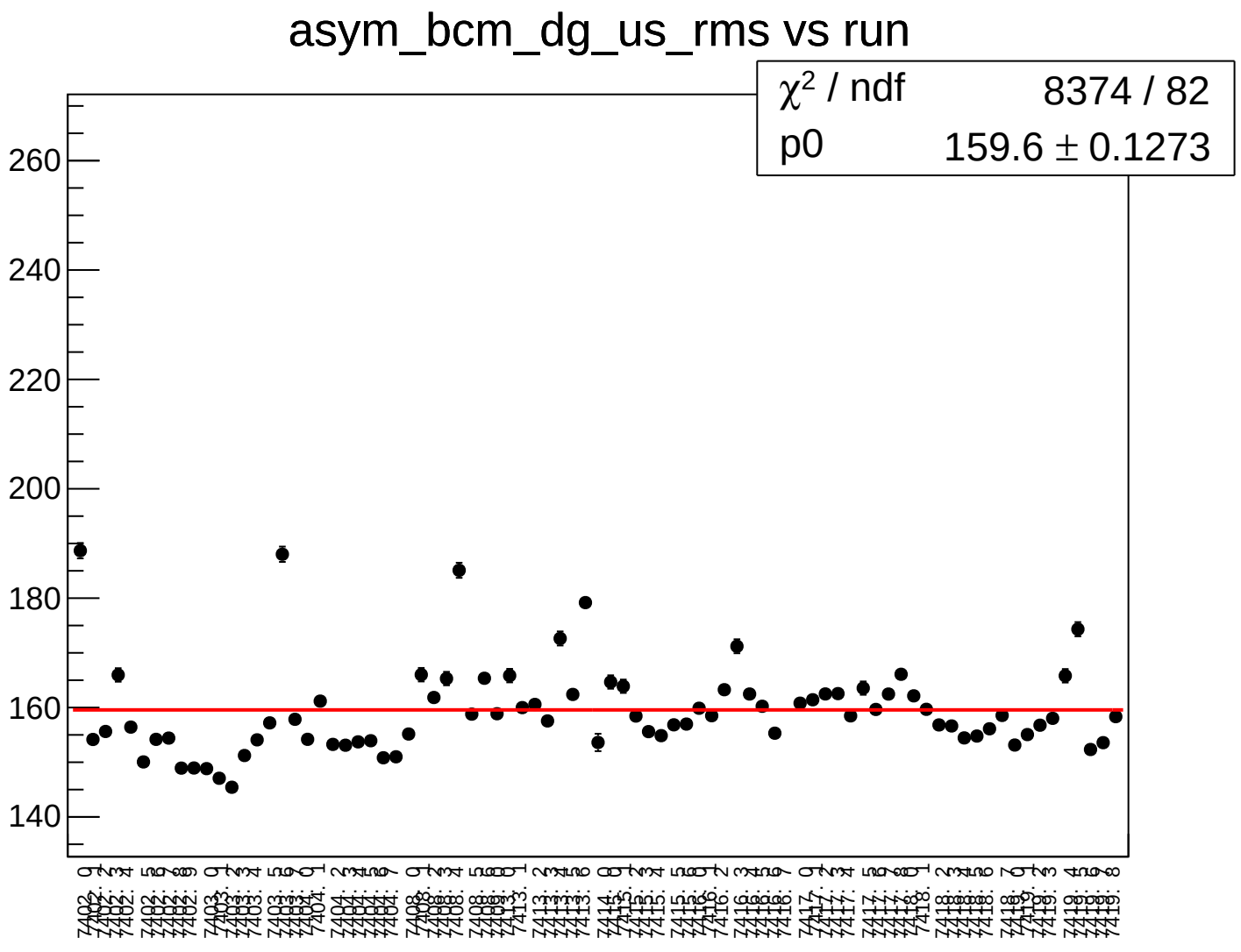

asym_bcm_an_us_mean vs run
χ² / ndf 20.94 / 82
p0 397.1 ± 171.9
pull
Entries 83
Mean 56.37
Std Dev 0

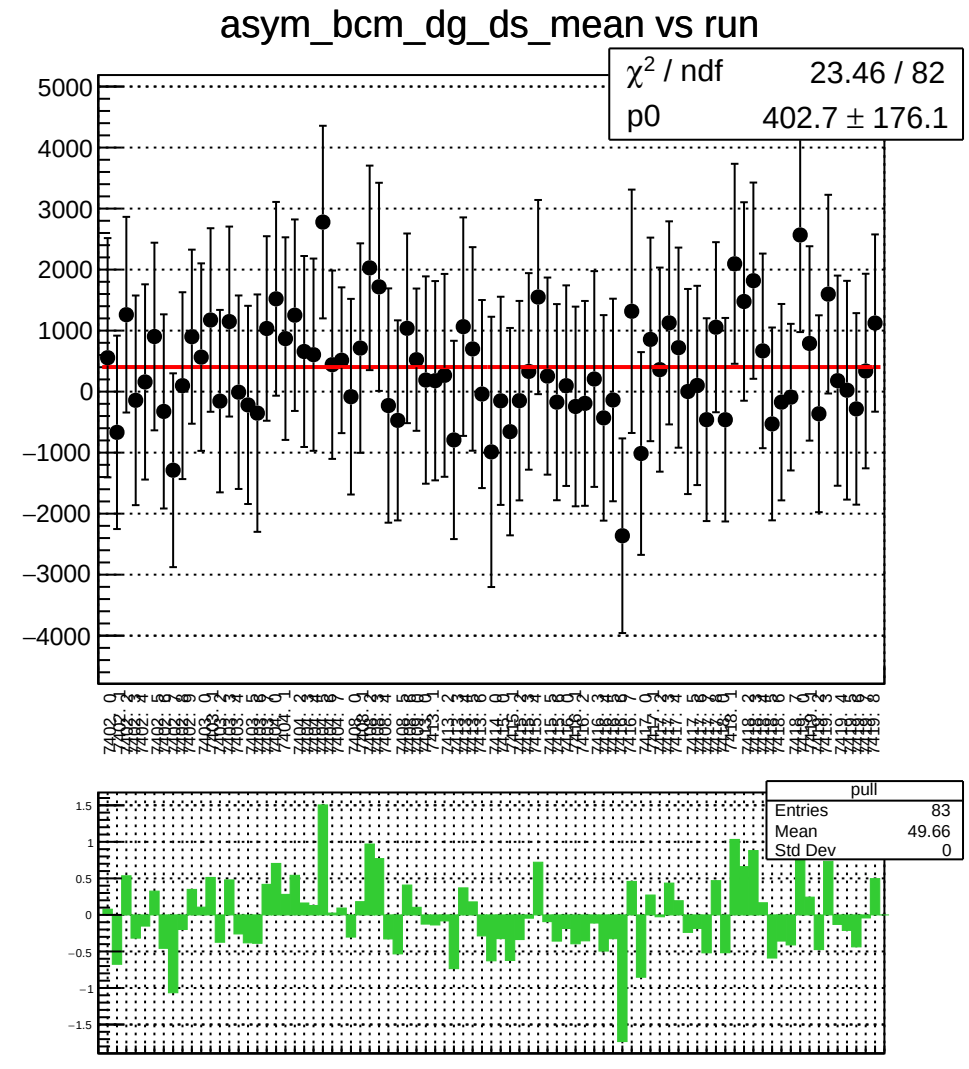

pull1D
Entries 83
Mean −0.002532
Std Dev 0.5023

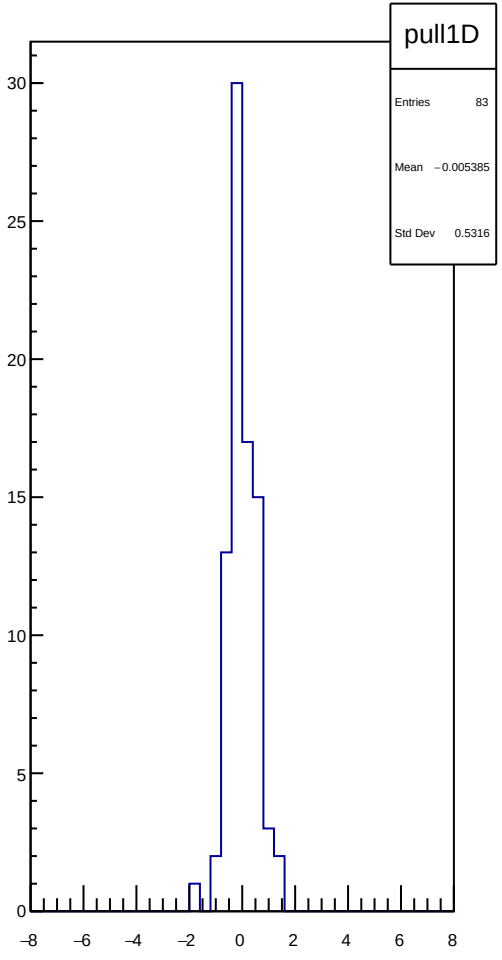

asym_bcm_an_us_rms vs run
χ^2 / ndf 9170 / 82
p0 152.3 ± 0.1215
260
240
220
200
180
160
140

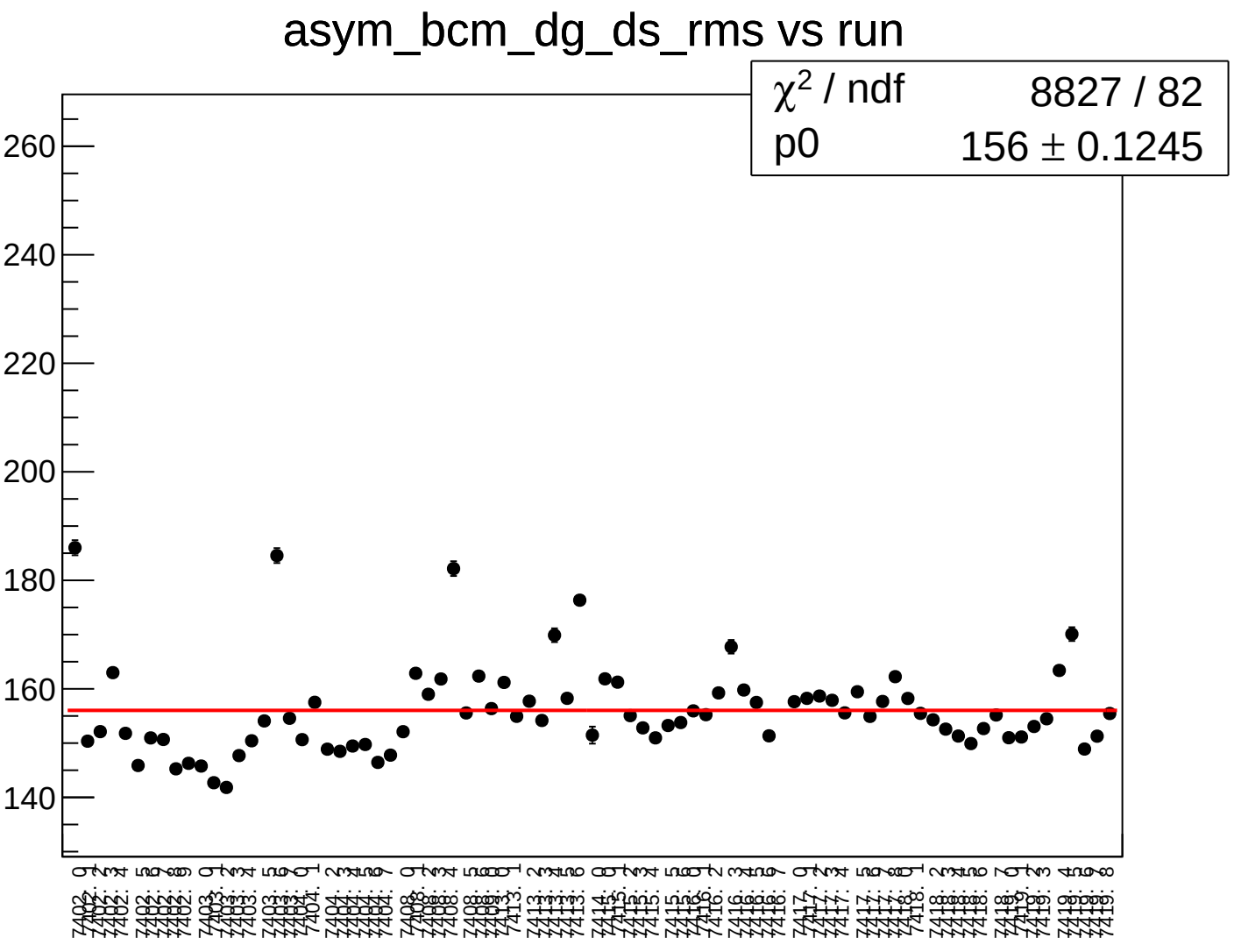

asym_bcm_dg_us_mean vs run
χ² / ndf 31.89 / 82
p0 309.8 ± 180.1
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −52.31
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

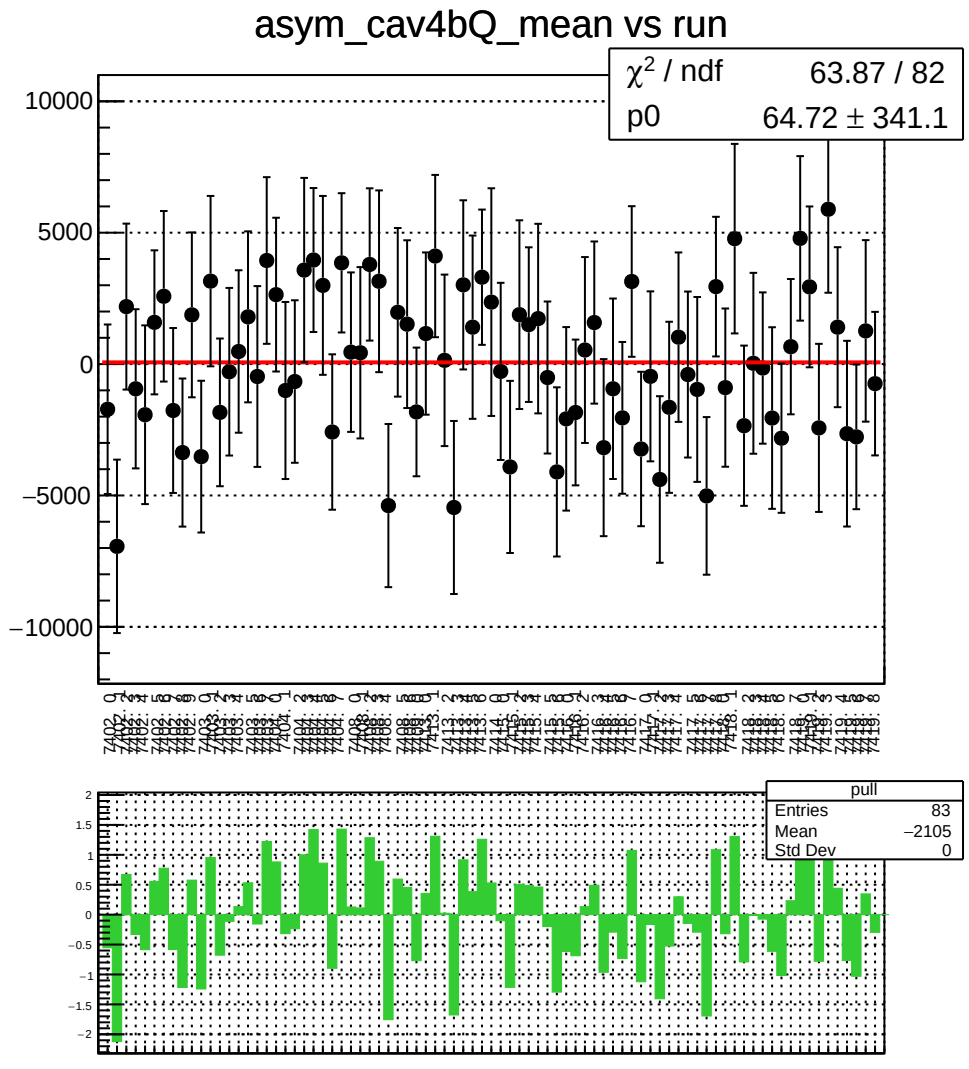

pull1D
Entries 83
Mean −0.005662
Std Dev 0.6199
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

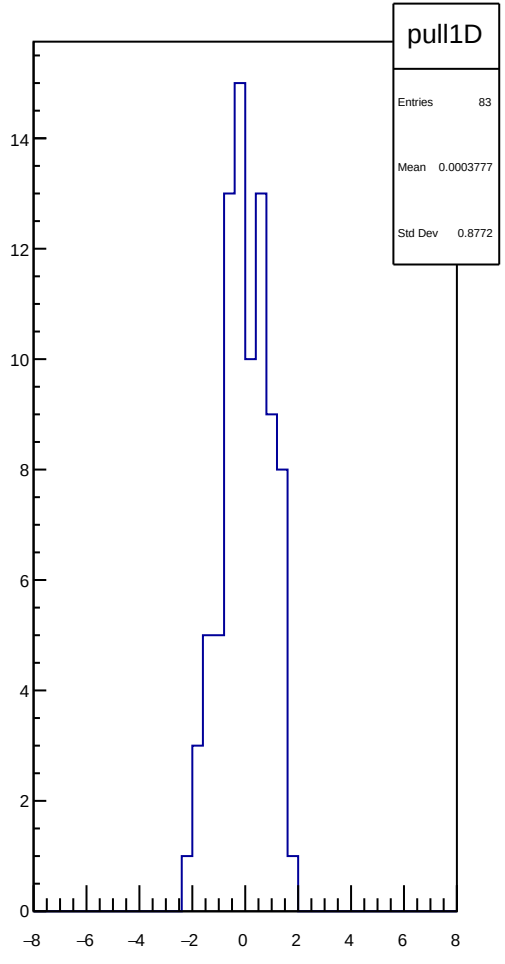

asym_bcm_dg_us_rms vs run
χ² / ndf 8374 / 82
p0 159.6 ± 0.1273
260
240
220
200
180
160
140

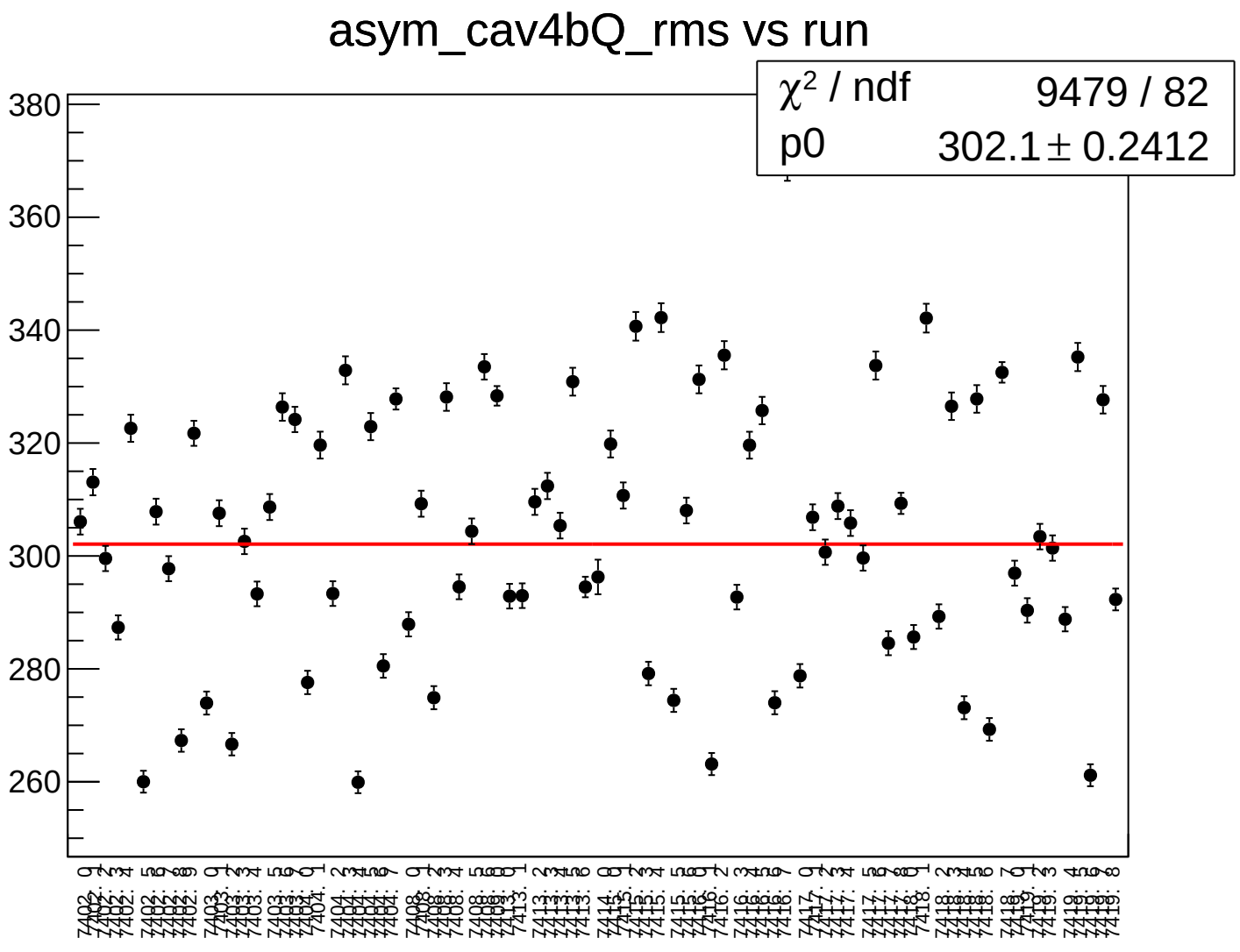

asym_bcm_dg_ds_mean vs run
χ² / ndf 23.46 / 82
p0 402.7 ± 176.1
pull
Entries 83
Mean 49.66
Std Dev 0

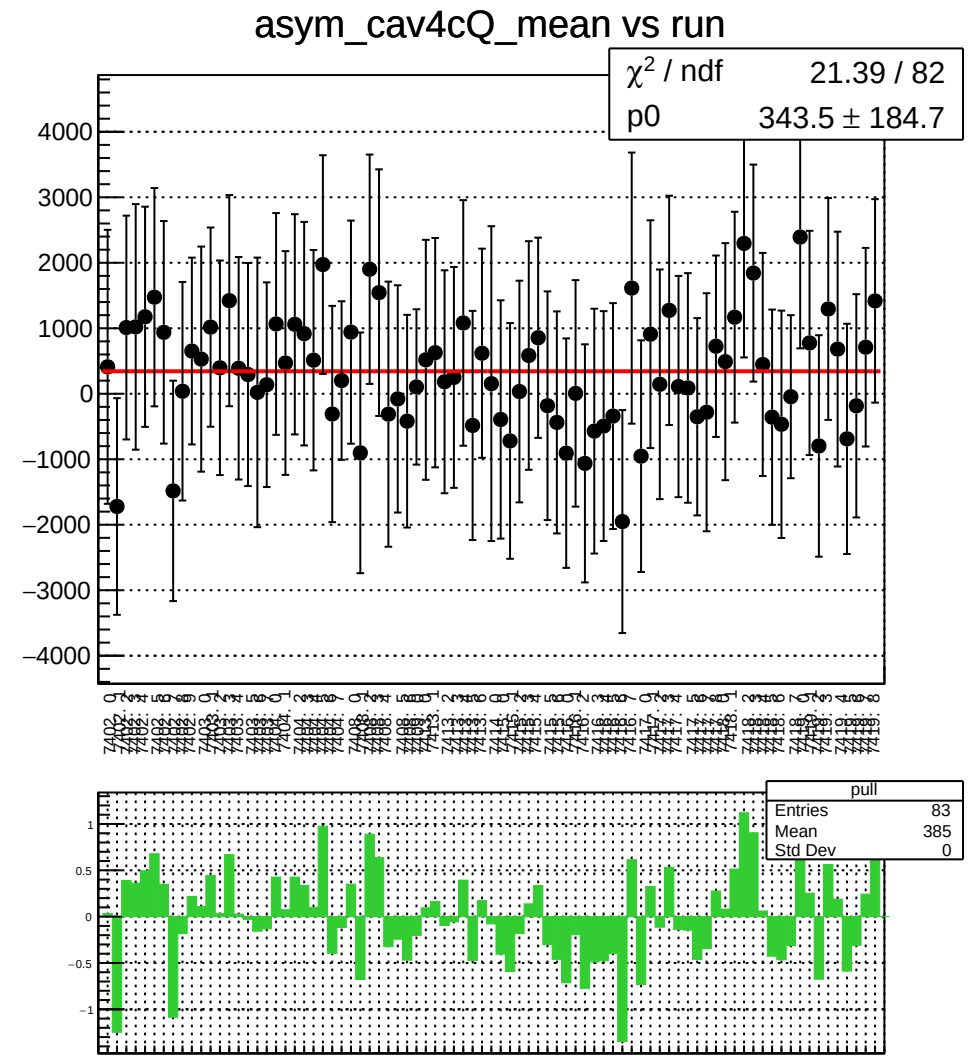

pull1D
Entries 83
Mean −0.005385
Std Dev 0.5316

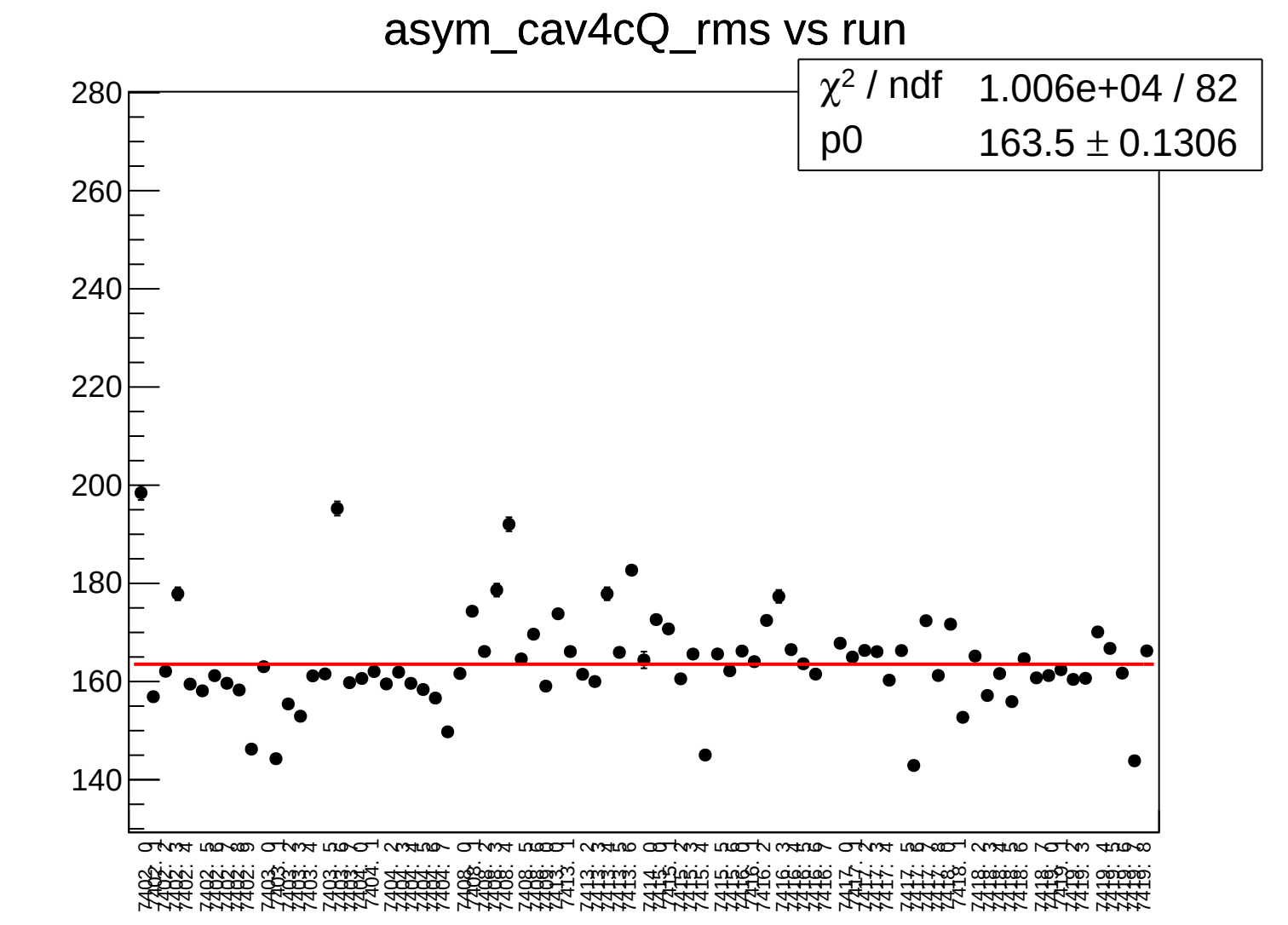

asym_bcm_dg_ds_rms vs run
χ² / ndf 8827 / 82
p0 156 ± 0.1245
260
240
220
200
180
160
140

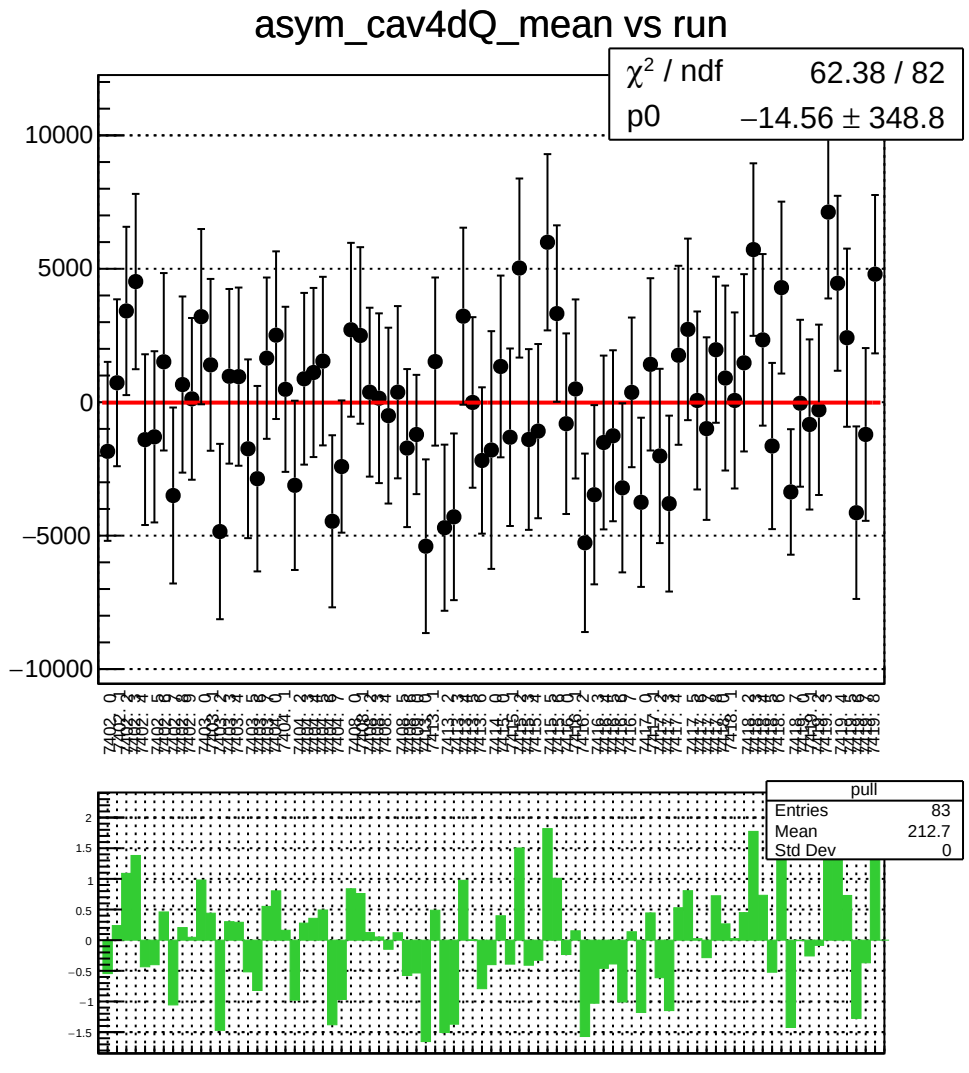

asym_cav4bQ_mean vs run
χ² / ndf 63.87 / 82
p0 64.72 ± 341.1
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −2105
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

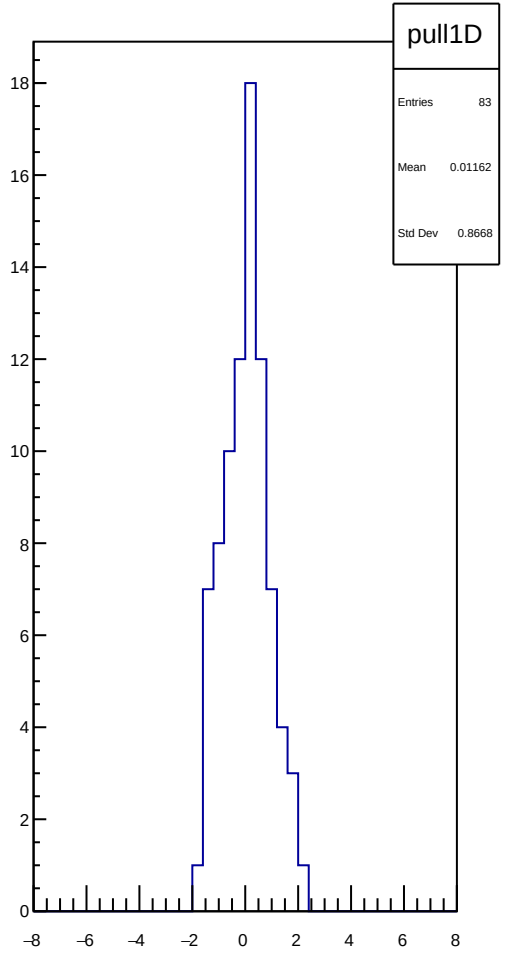

pull1D
Entries 83
Mean 0.0003777
Std Dev 0.8772
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

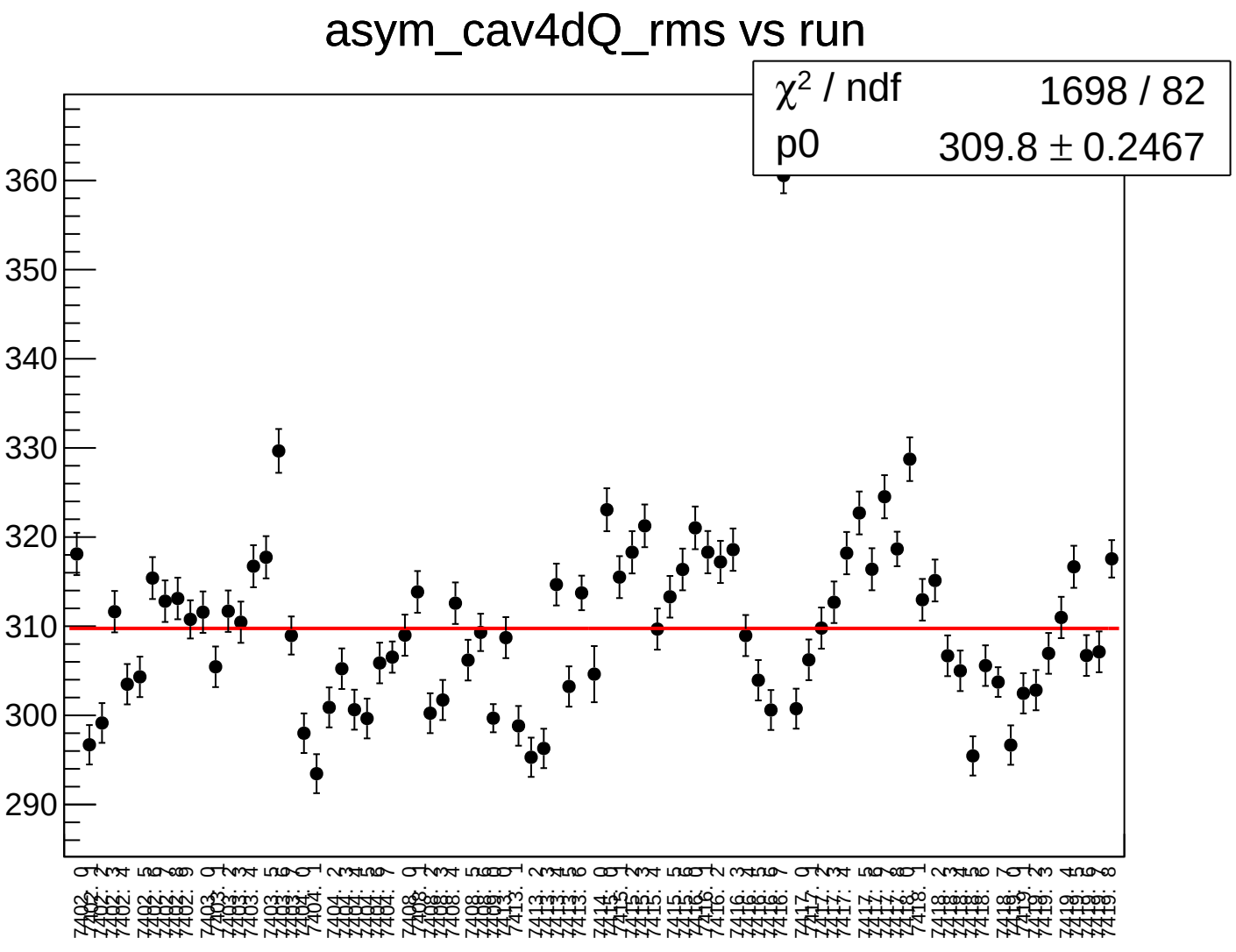

asym_cav4bQ_rms vs run
χ² / ndf 9479 / 82
p0 302.1 ± 0.2412
380
360
340
320
300
280
260

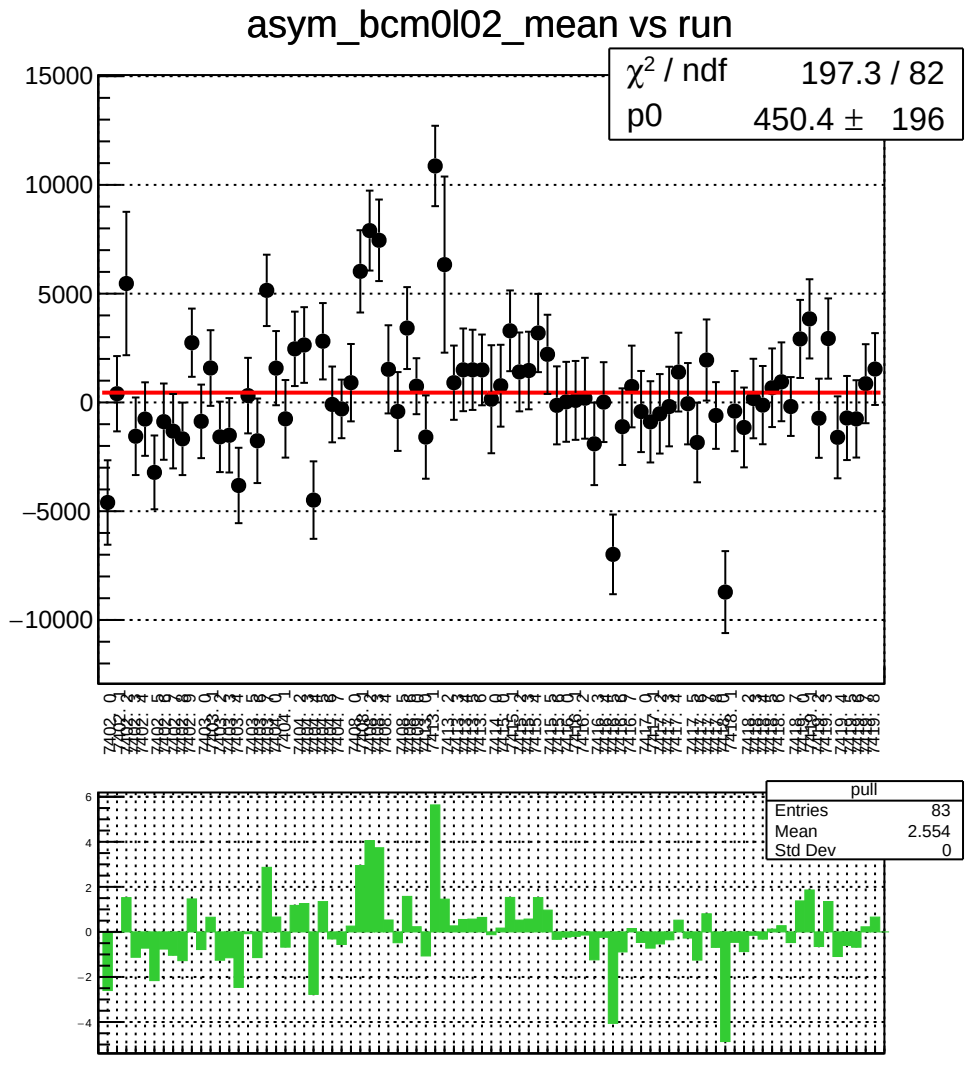

asym_cav4cQ_mean vs run
χ² / ndf 21.39 / 82
p0 343.5 ± 184.7
pull
Entries 83
Mean 385
Std Dev 0
pull1D
Entries 83
Mean −0.001453
Std Dev 0.5076

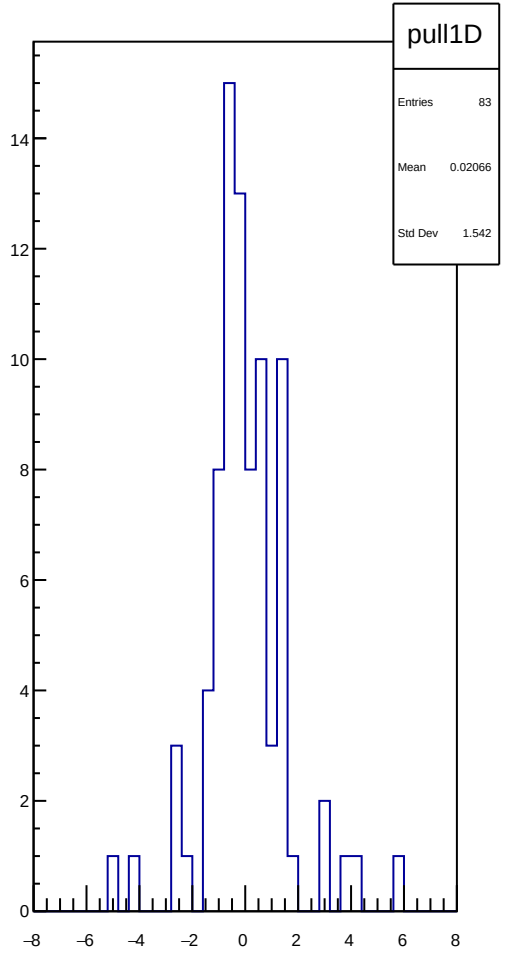

asym_cav4cQ_rms vs run
χ^2 / ndf 1.006e+04 / 82
p0 163.5 ± 0.1306
280
260
240
220
200
180
160
140

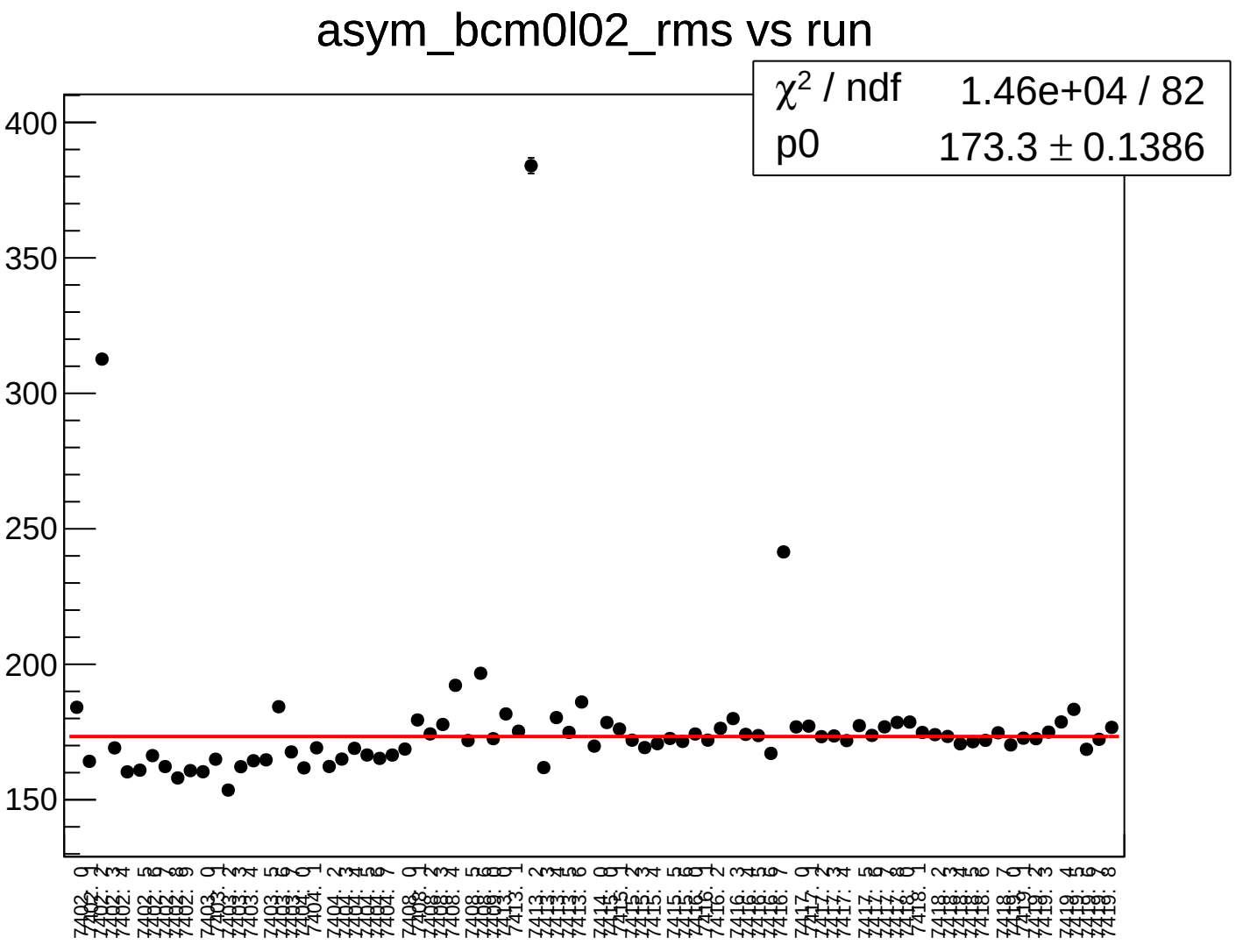

asym_cav4dQ_mean vs run
χ² / ndf 62.38 / 82
p0 −14.56 ± 348.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 212.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

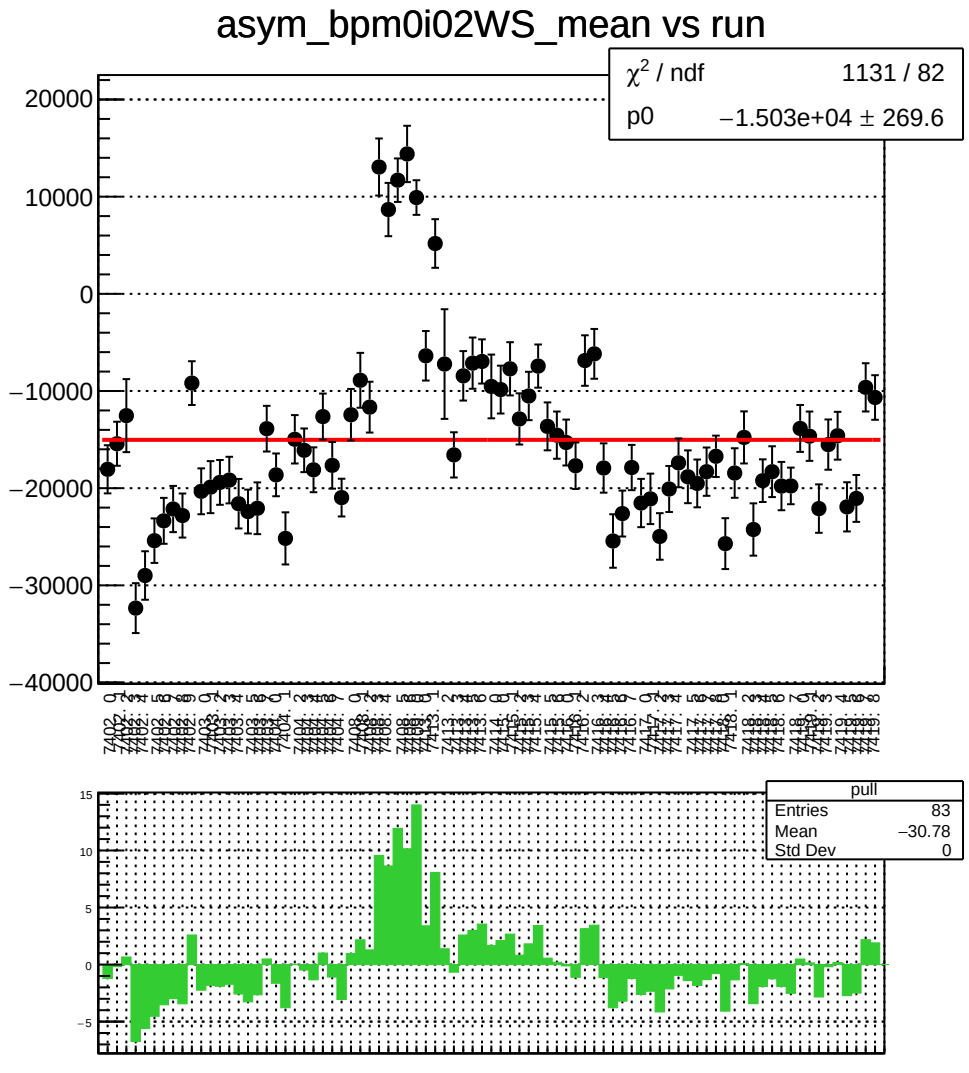

pull1D
Entries 83
Mean 0.01162
Std Dev 0.8668
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

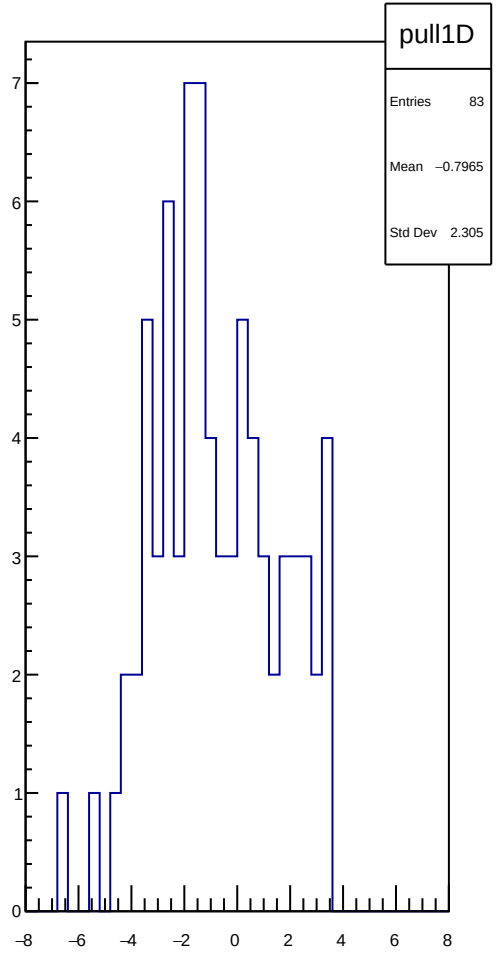

asym_cav4dQ_rms vs run
χ^2 / ndf 1698 / 82
p0 309.8 ± 0.2467
360
350
340
330
320
310
300
290

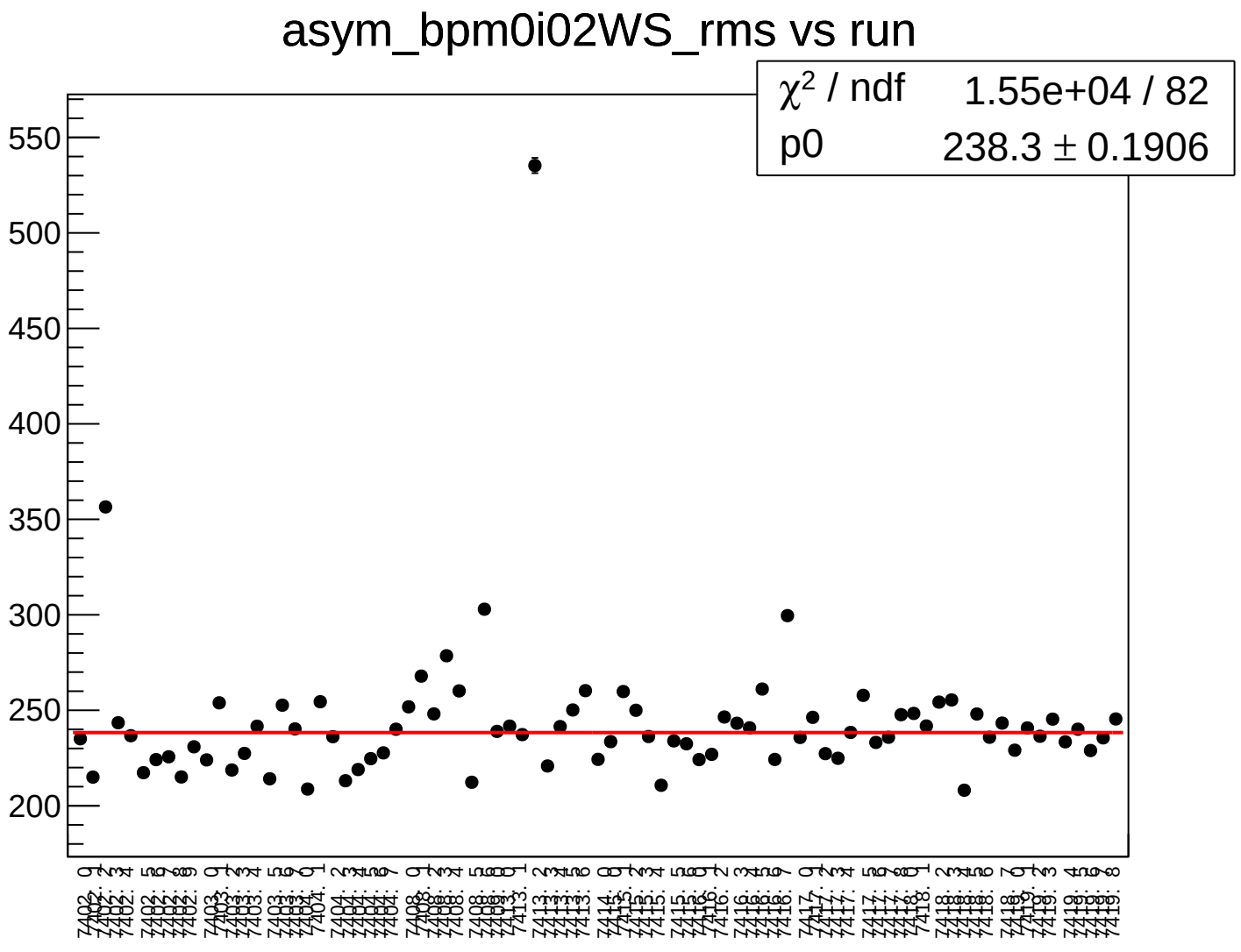

asym_bcm0l02_mean vs run
χ² / ndf 197.3 / 82
p0 450.4 ± 196
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 2.554
Std Dev 0
6
4
2
0
−2
−4

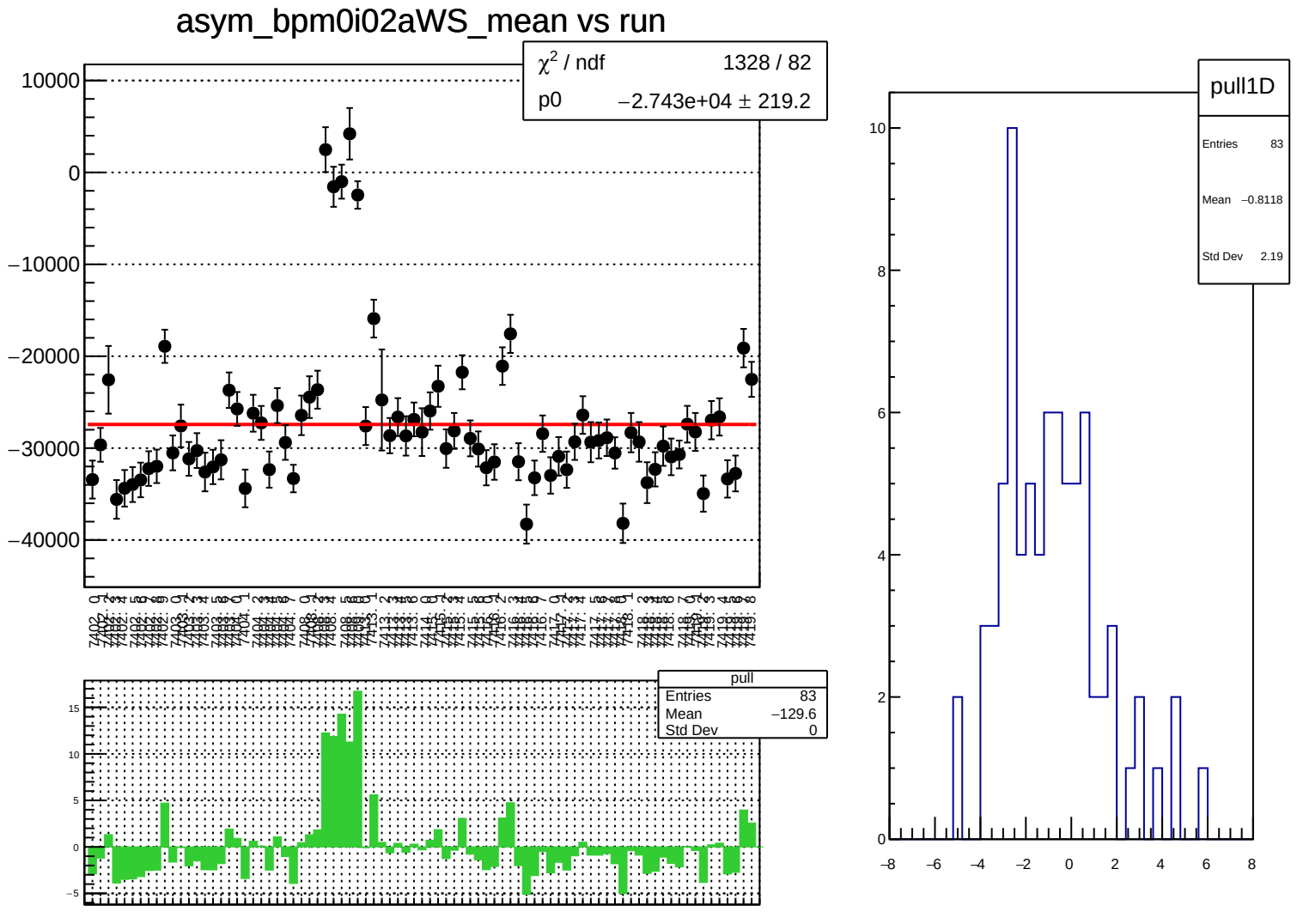

pull1D
Entries 83
Mean 0.02066
Std Dev 1.542
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

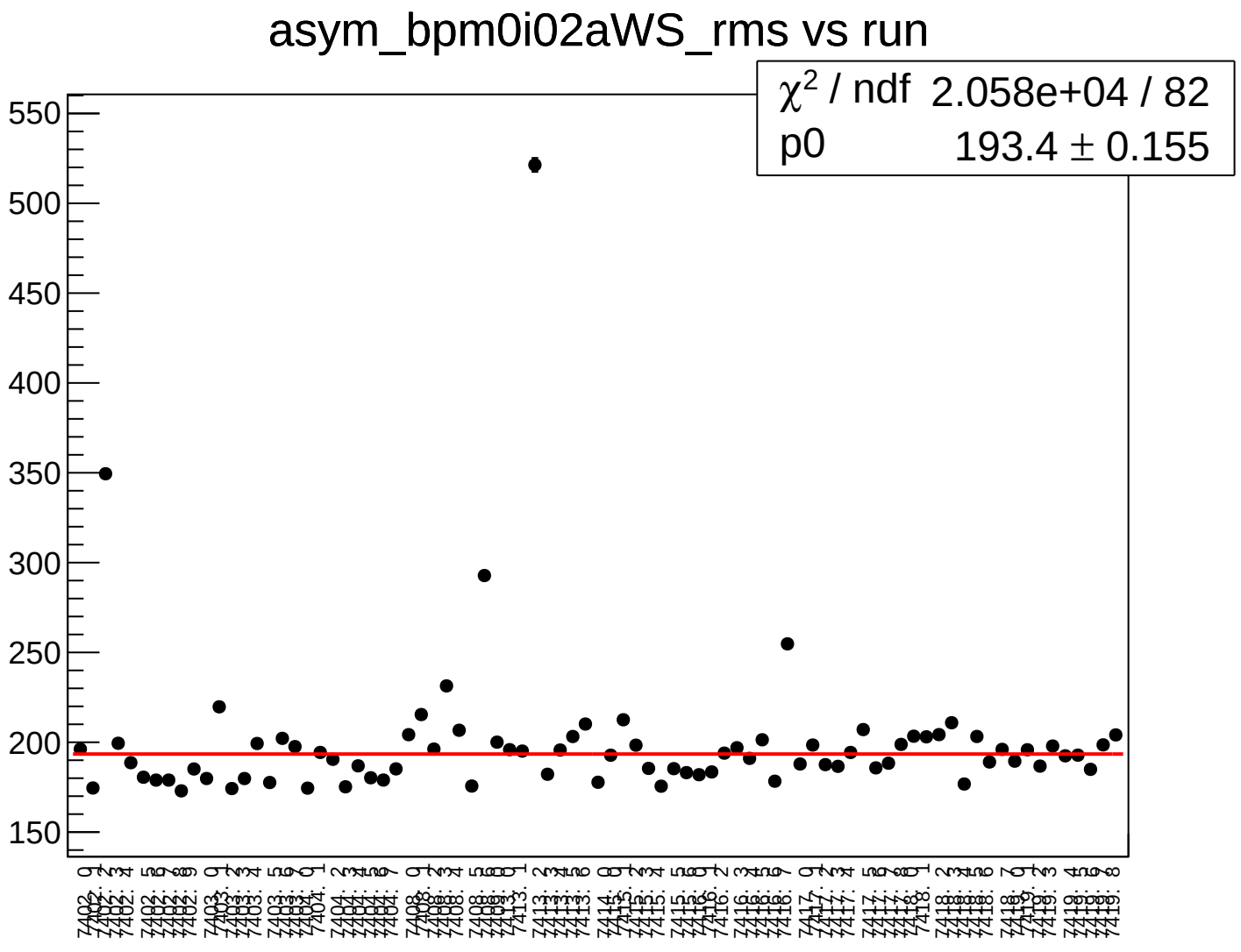

asym_bcm0l02_rms vs run
χ² / ndf 1.46e+04 / 82
p0 173.3 ± 0.1386
400
350
300
250
200
150

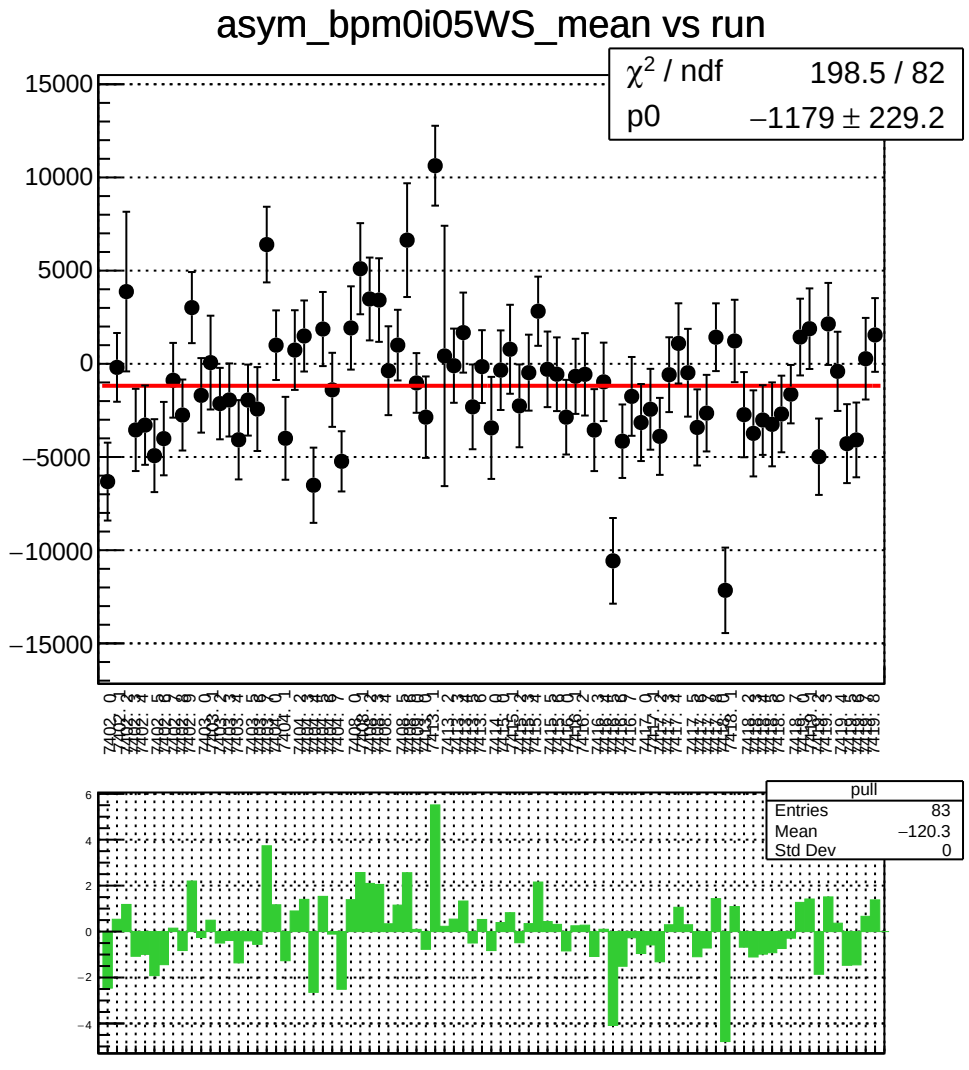

asym_bpm0i02WS_mean vs run
χ² / ndf 1131 / 82
p0 −1.503e+04 ± 269.6
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −30.78
Std Dev 0
15
10
5
0
−5

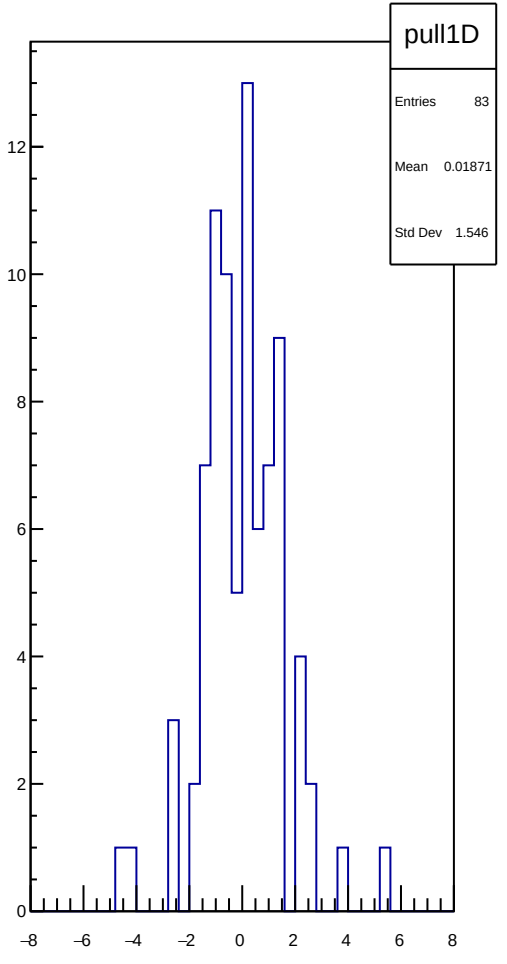

pull1D
Entries 83
Mean −0.7965
Std Dev 2.305
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

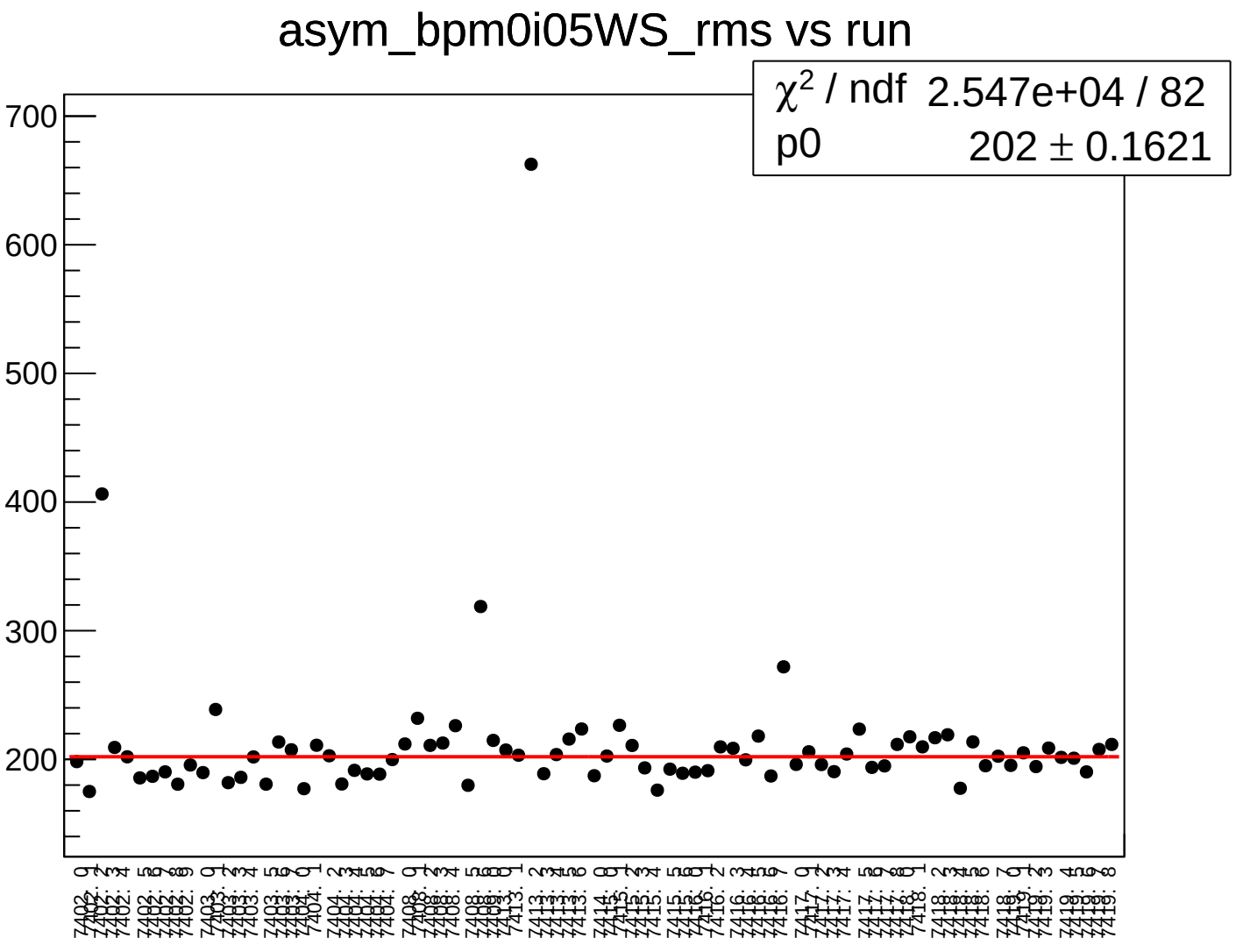

asym_bpm0i02WS_rms vs run
χ^2 / ndf 1.55e+04 / 82
p0 238.3 ± 0.1906
550
500
450
400
350
300
250
200

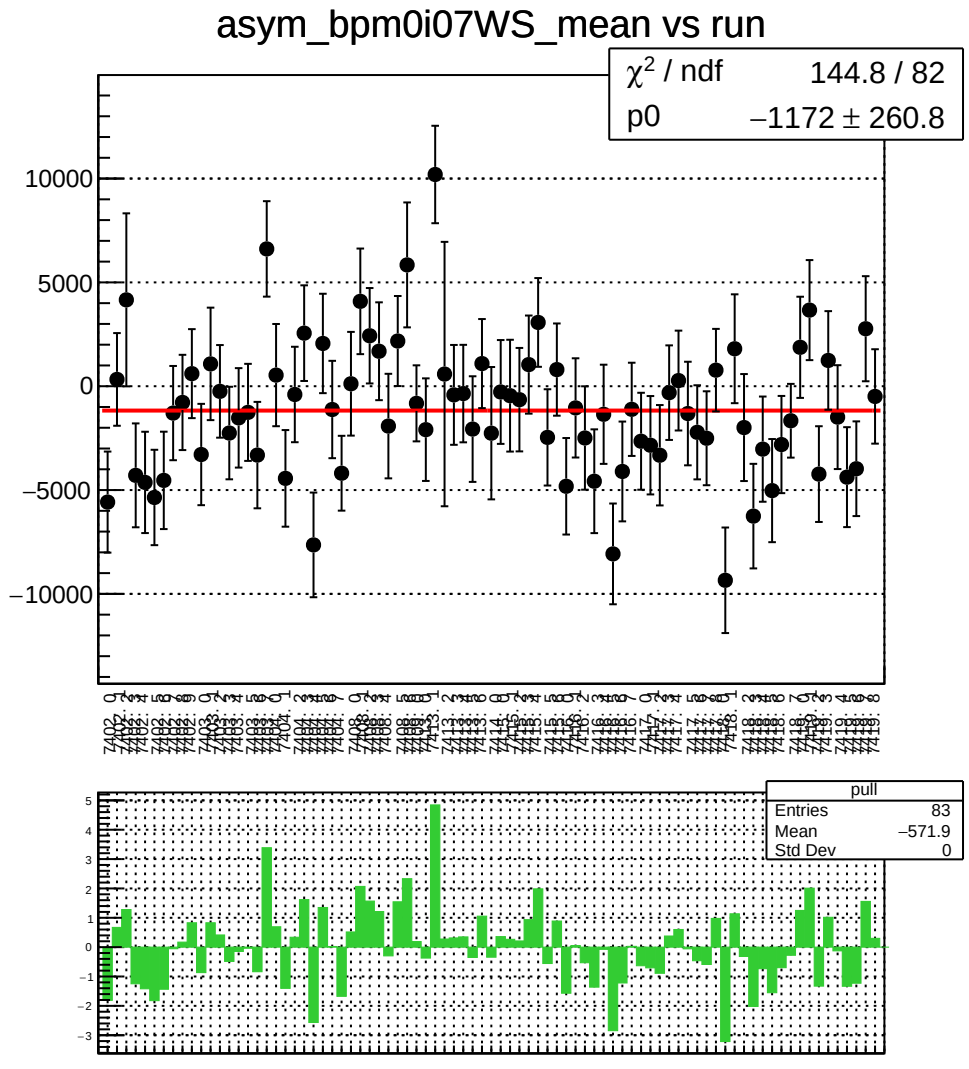

asym_bpm0i02aWS_mean vs run
χ² / ndf 1328 / 82
p0 −2.743e+04 ± 219.2
pull
Entries 83
Mean −129.6
Std Dev 0
pull1D
Entries 83
Mean −0.8118
Std Dev 2.19

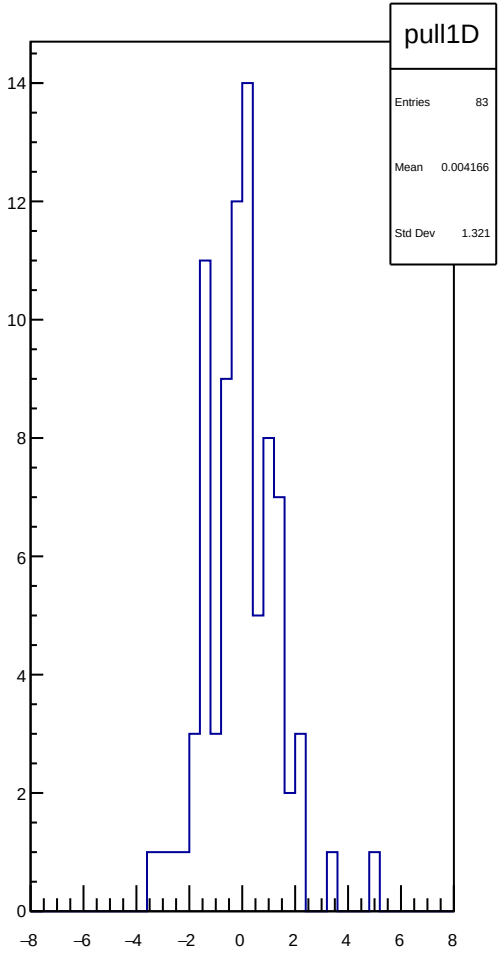

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.058e+04 / 82
p0 193.4 ± 0.155
550
500
450
400
350
300
250
200
150

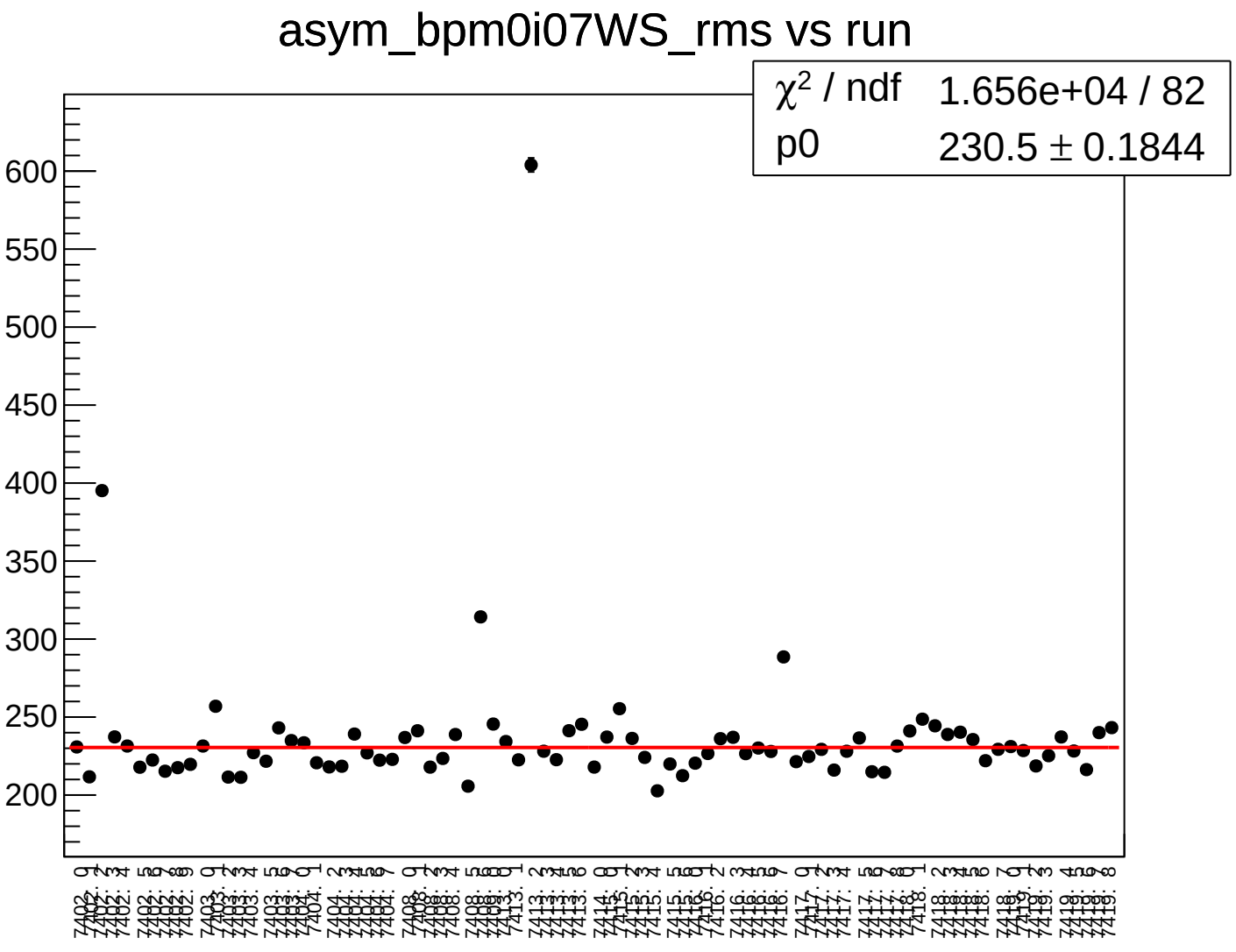

asym_bpm0i05WS_mean vs run
χ² / ndf 198.5 / 82
p0 −1179 ± 229.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −120.3
Std Dev 0
6
4
2
0
−2
−4

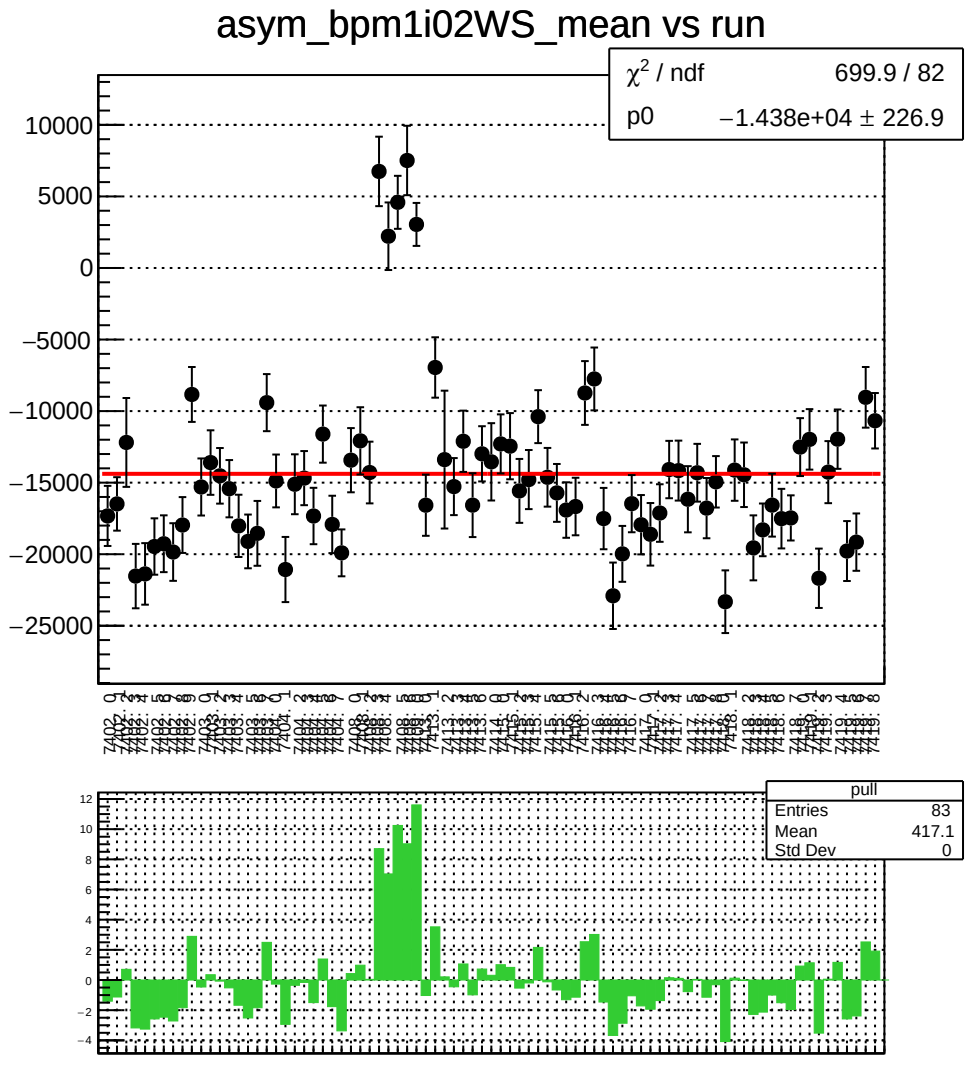

pull1D
Entries 83
Mean 0.01871
Std Dev 1.546
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

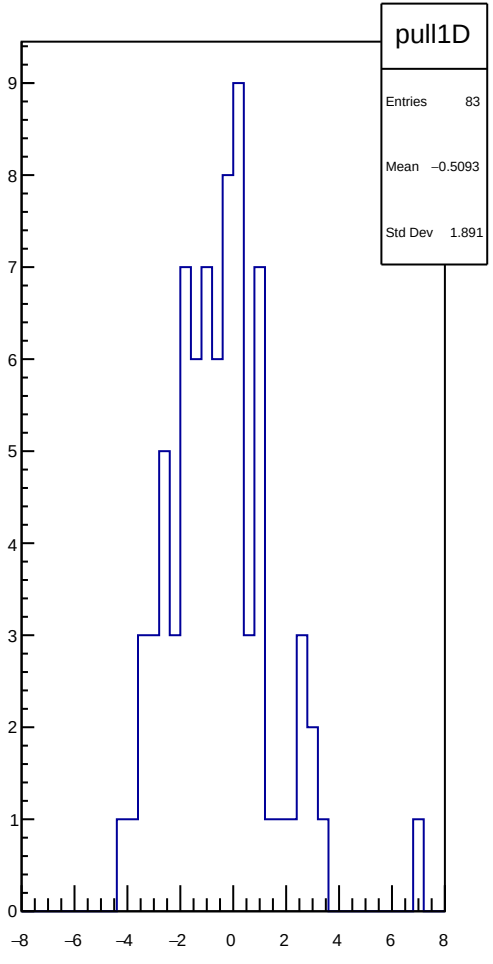

asym_bpm0i05WS_rms vs run
χ^2 / ndf 2.547e+04 / 82
p0 202 ± 0.1621
700
600
500
400
300
200

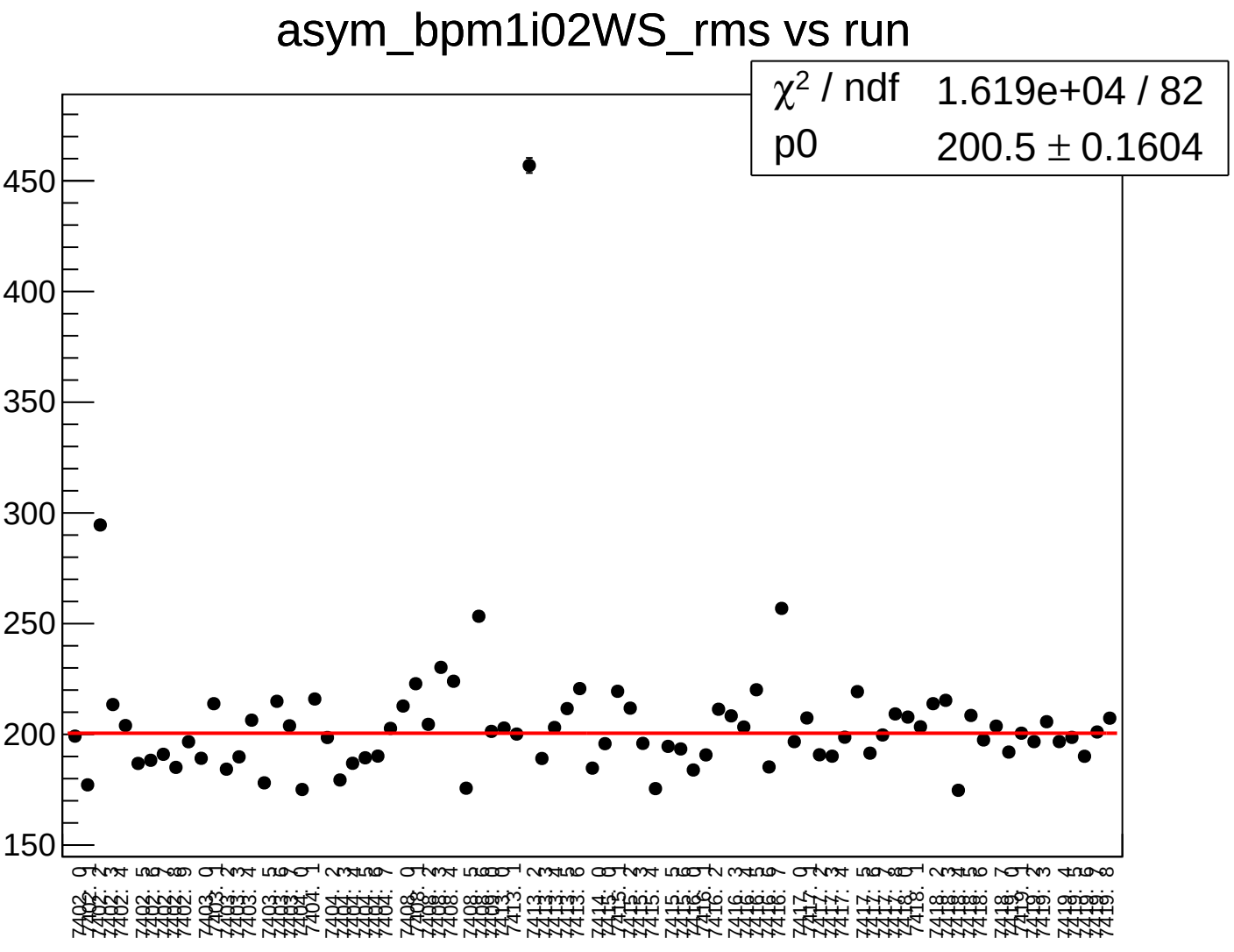

asym_bpm0i07WS_mean vs run
χ² / ndf 144.8 / 82
p0 −1172 ± 260.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −571.9
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

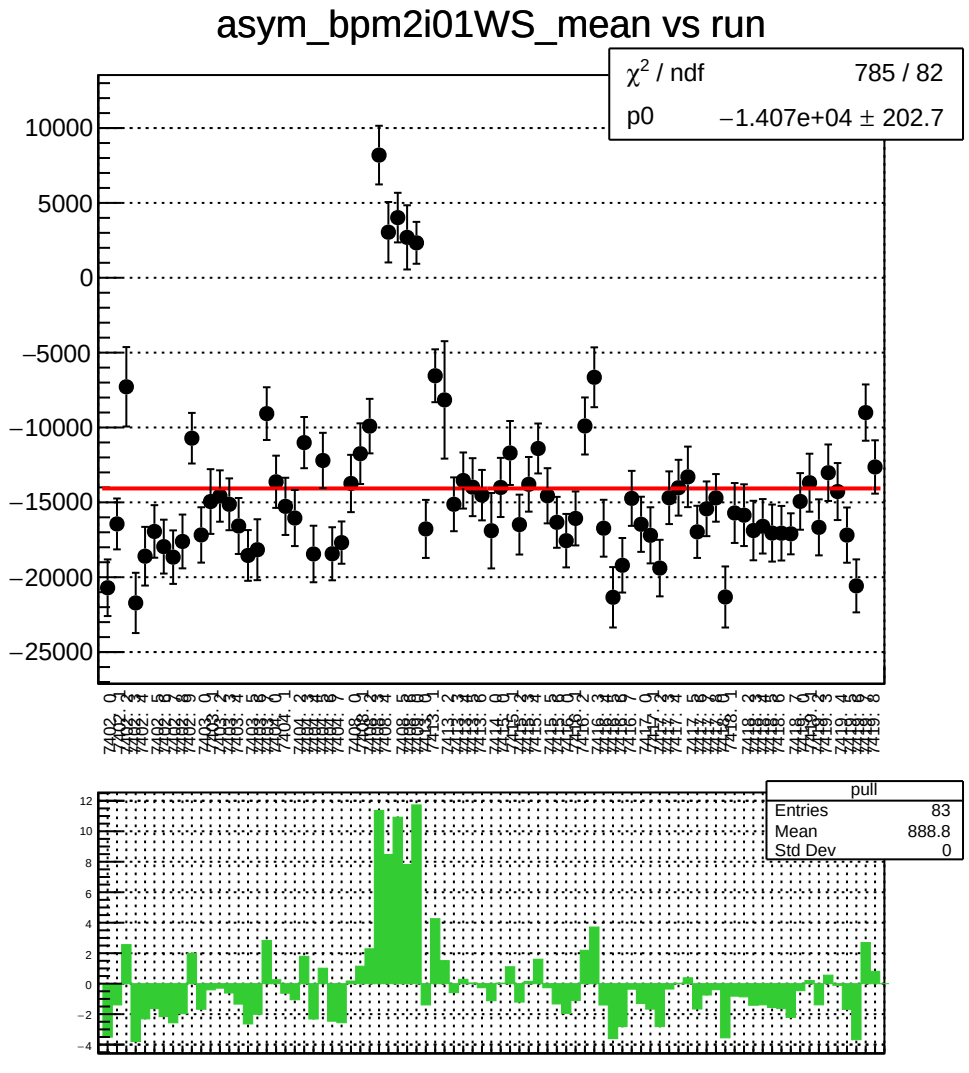

pull1D
Entries 83
Mean 0.004166
Std Dev 1.321
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

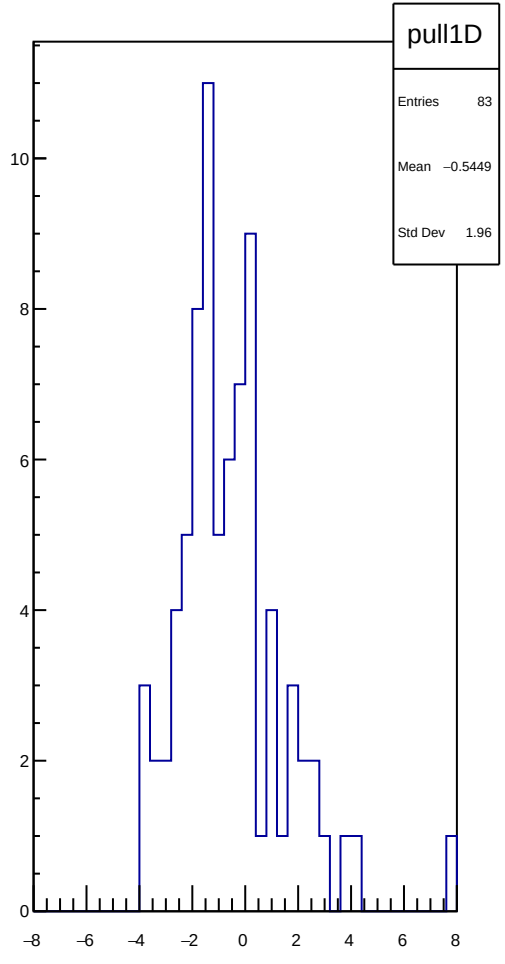

asym_bpm0i07WS_rms vs run
χ^2 / ndf 1.656e+04 / 82
p0 230.5 ± 0.1844
600
550
500
450
400
350
300
250
200

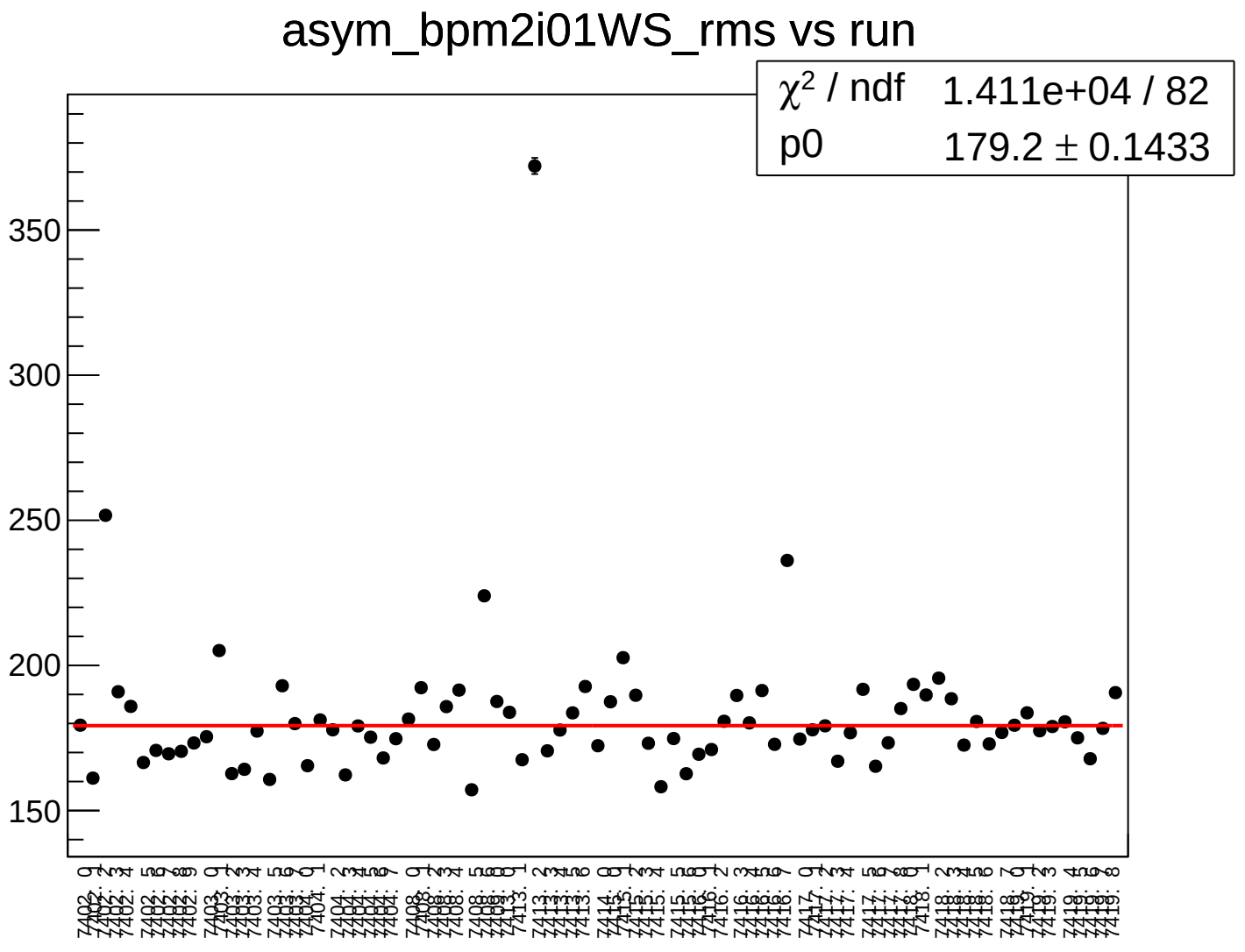

asym_bpm1i02WS_mean vs run
χ² / ndf 699.9 / 82
p0 −1.438e+04 ± 226.9
pull
Entries 83
Mean 417.1
Std Dev 0

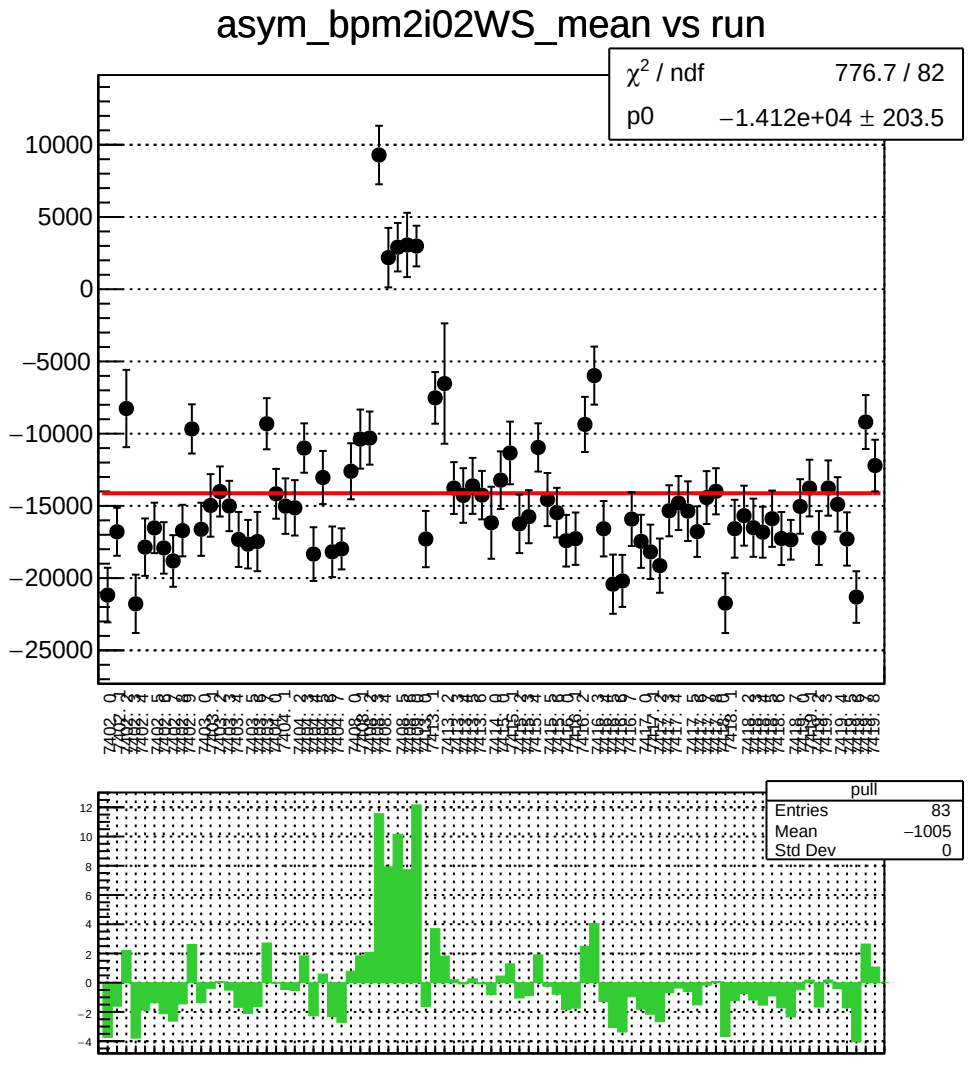

pull1D
Entries 83
Mean −0.5093
Std Dev 1.891

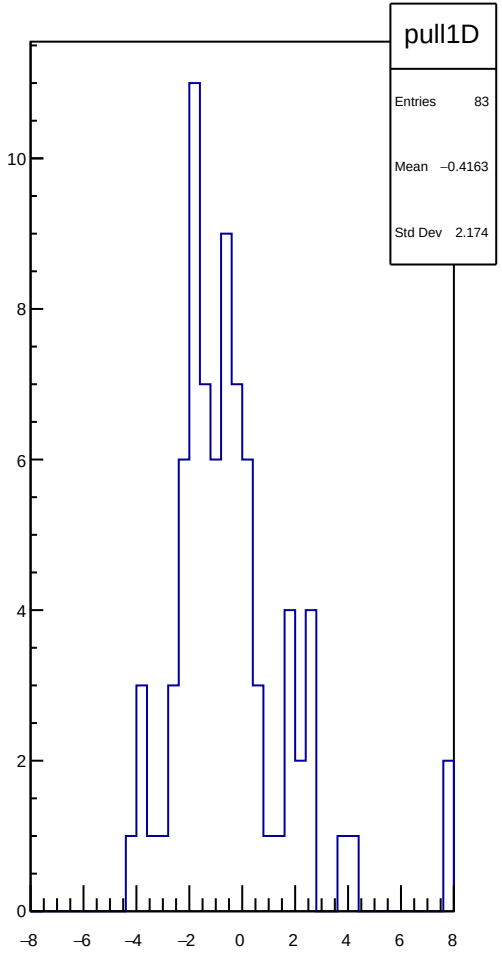

asym_bpm1i02WS_rms vs run
χ^2 / ndf 1.619e+04 / 82
p0 200.5 ± 0.1604
450
400
350
300
250
200
150

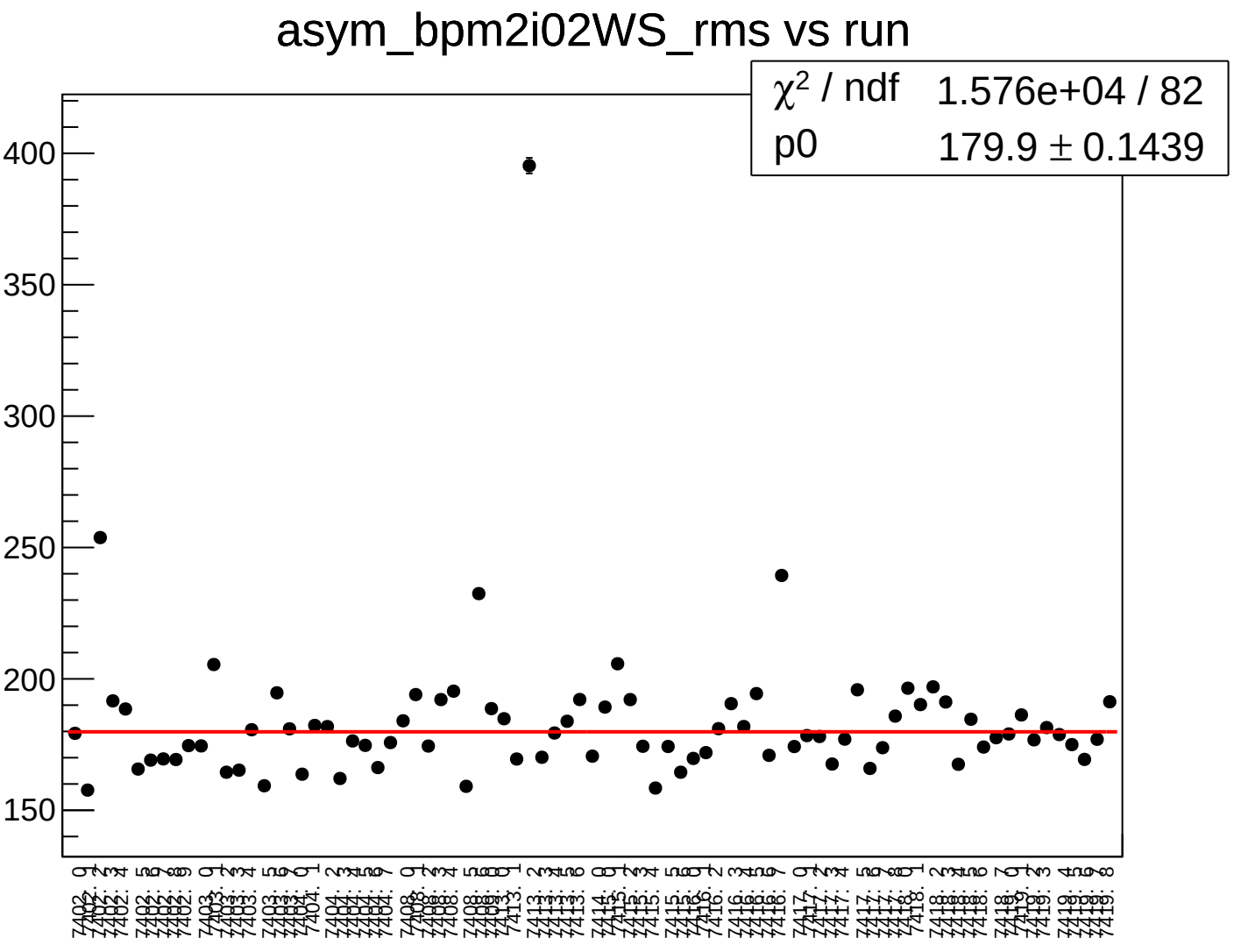

asym_bpm2i01WS_mean vs run
χ² / ndf 785 / 82
p0 −1.407e+04 ± 202.7
pull
Entries 83
Mean 888.8
Std Dev 0

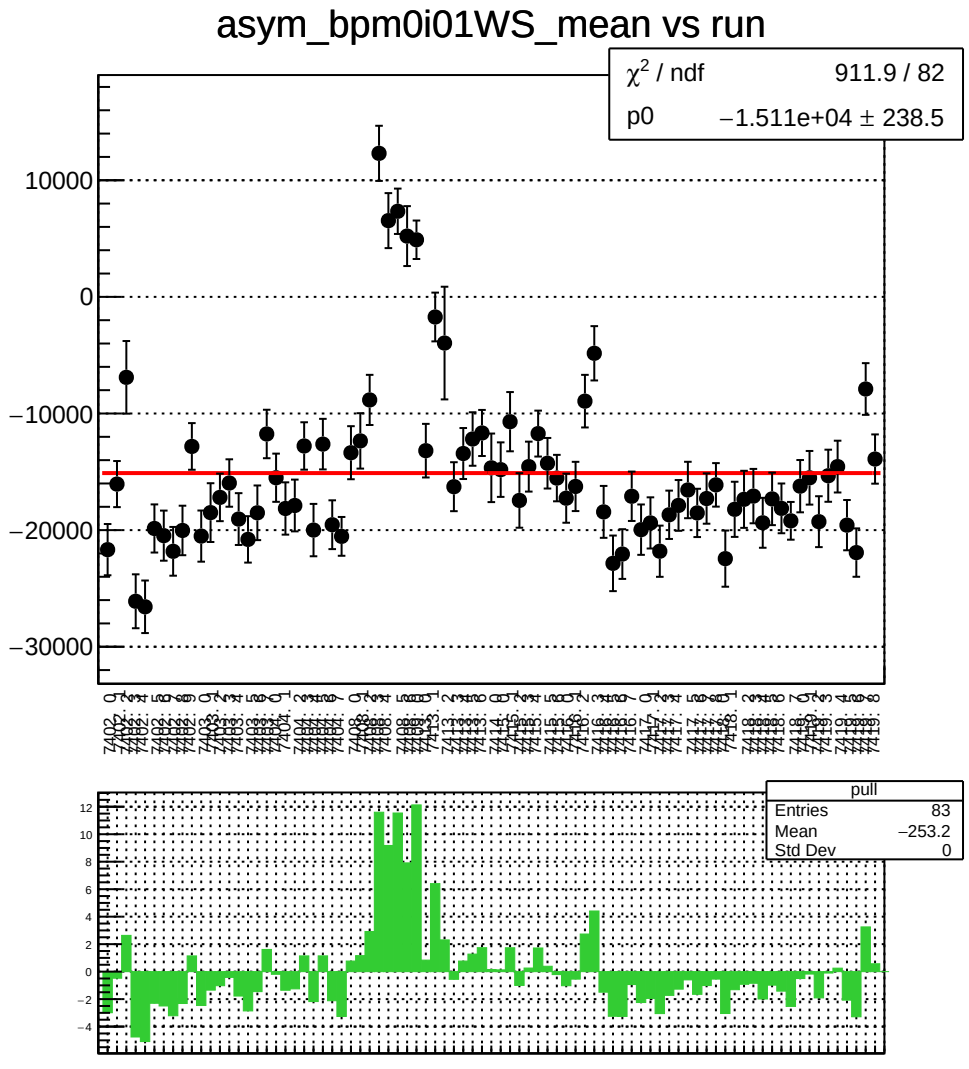

pull1D
Entries 83
Mean −0.5449
Std Dev 1.96

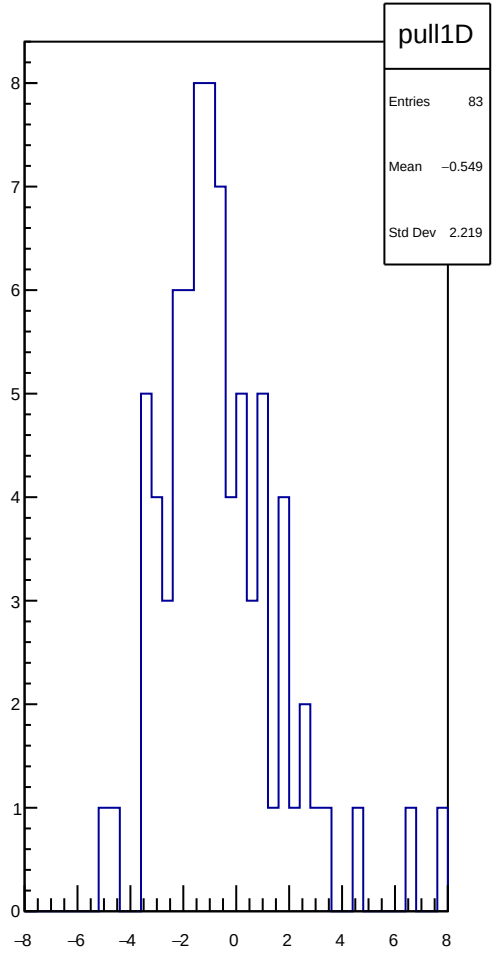

asym_bpm2i01WS_rms vs run
χ² / ndf 1.411e+04 / 82
p0 179.2 ± 0.1433
350
300
250
200
150

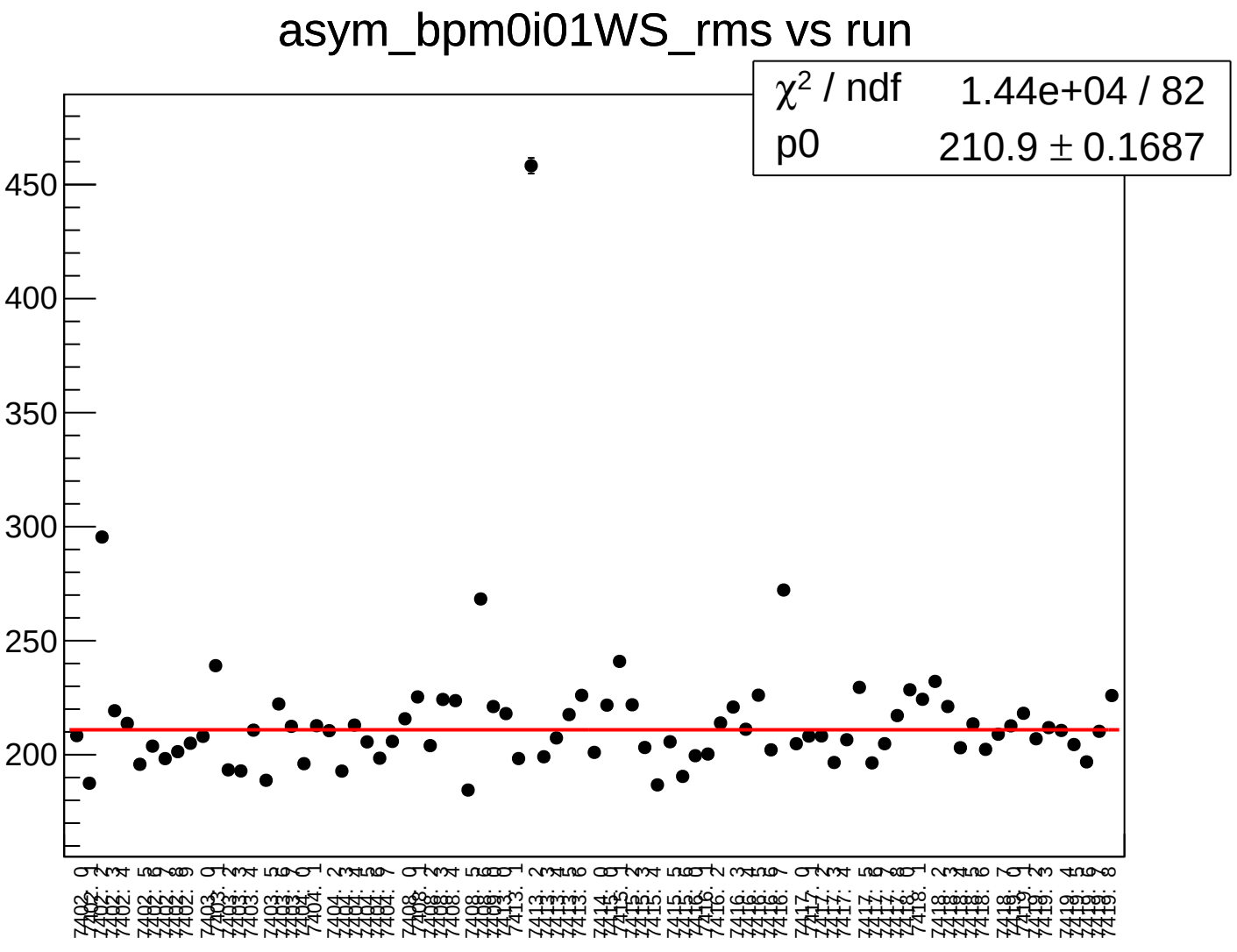

asym_bpm2i02WS_mean vs run
χ² / ndf 776.7 / 82
p0 −1.412e+04 ± 203.5
pull
Entries 83
Mean −1005
Std Dev 0

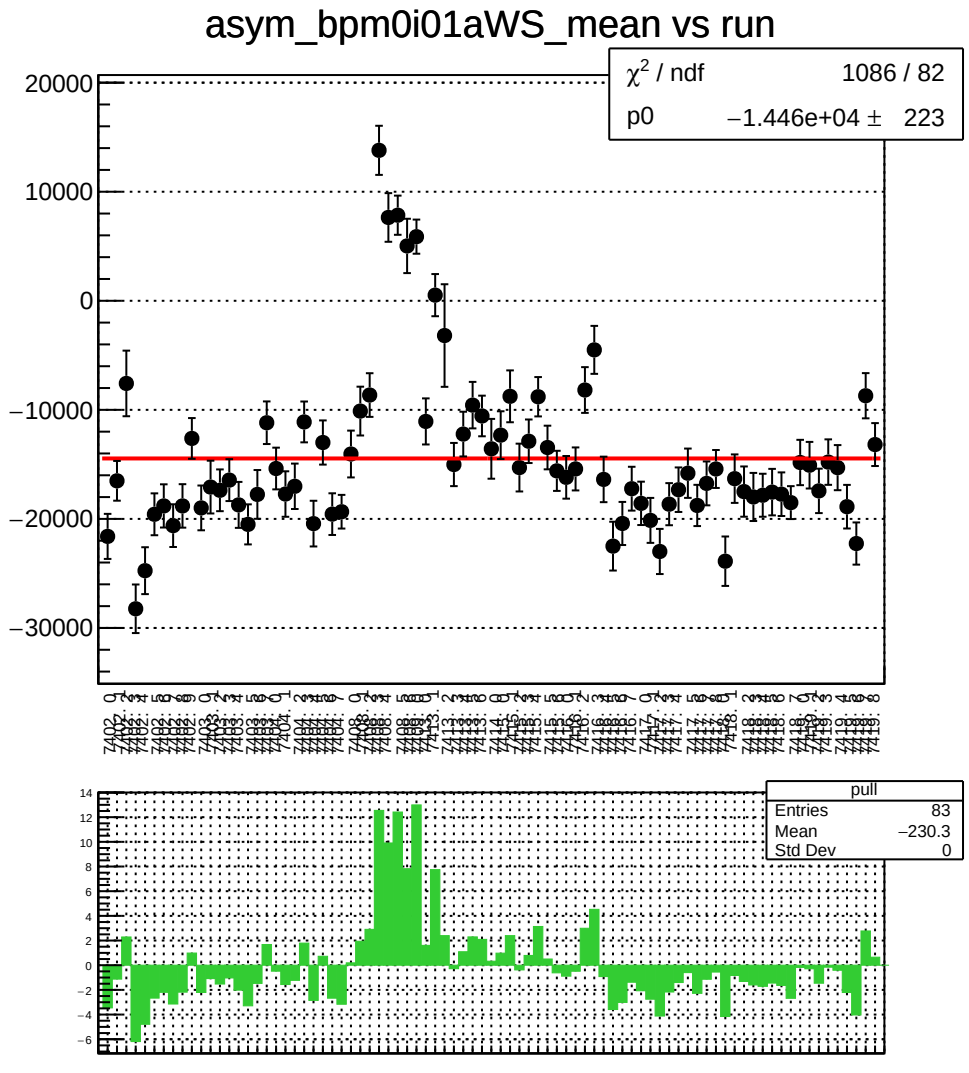

pull1D
Entries 83
Mean −0.4163
Std Dev 2.174

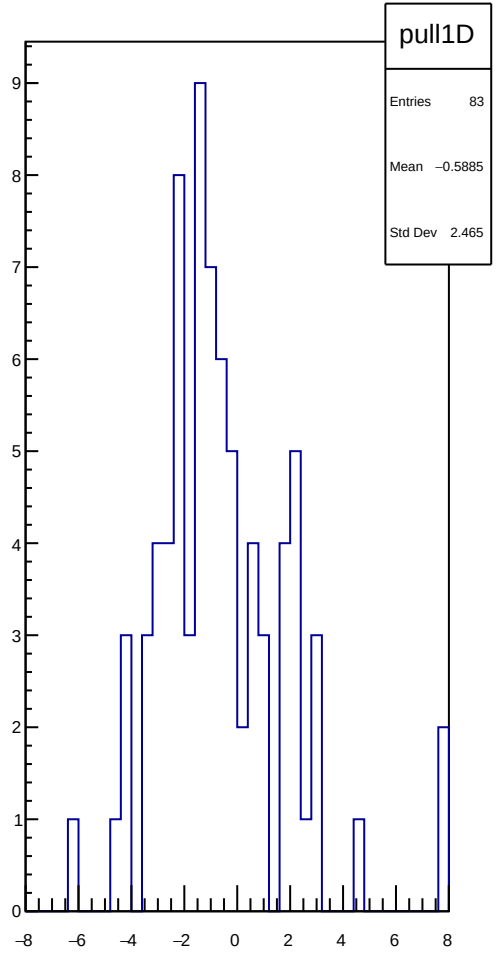

asym_bpm2i02WS_rms vs run
χ² / ndf 1.576e+04 / 82
p0 179.9 ± 0.1439
400
350
300
250
200
150

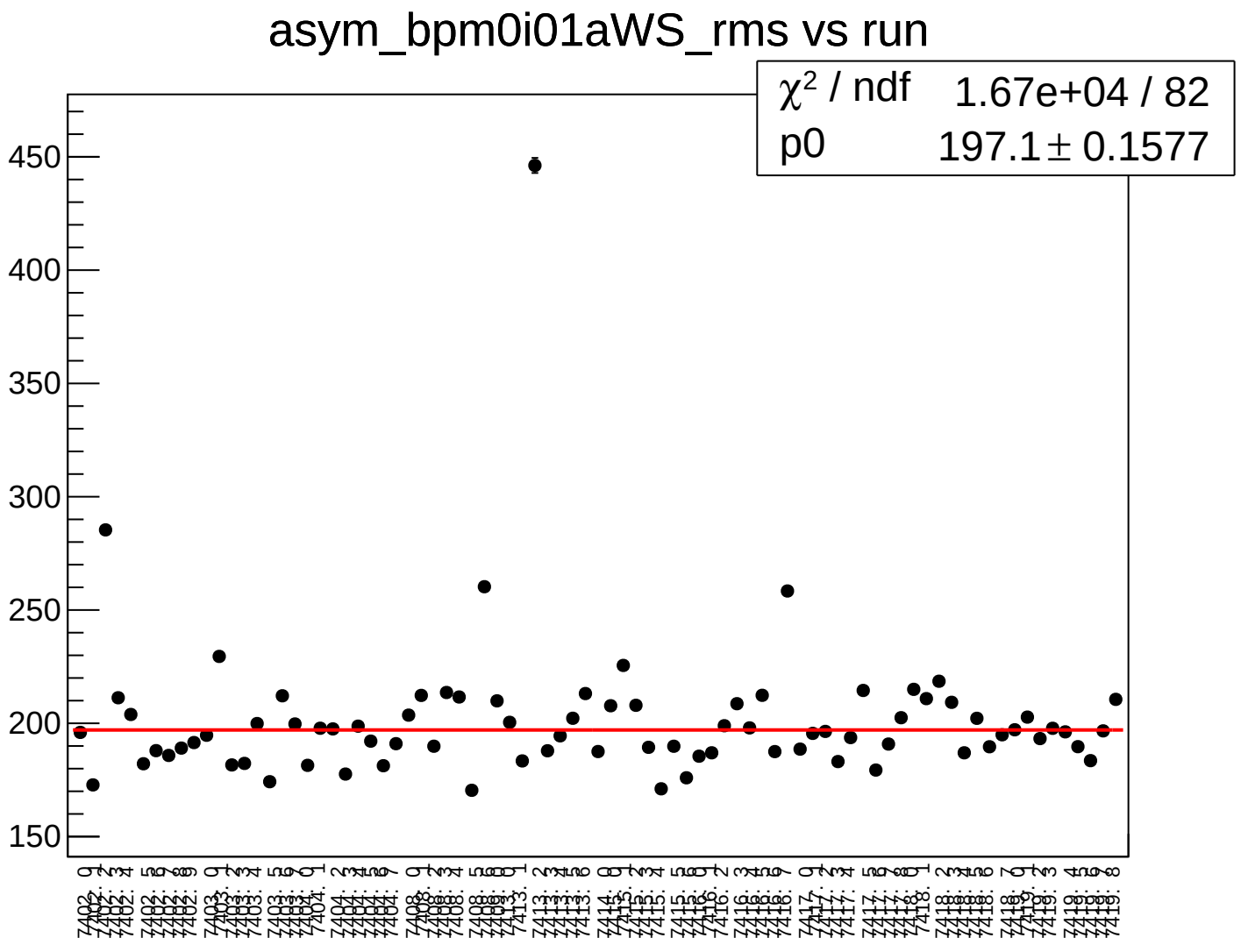

asym_bpm0i01WS_mean vs run
χ² / ndf 911.9 / 82
p0 −1.511e+04 ± 238.5
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −253.2
Std Dev 0
12
10
8
6
4
2
0
−2
−4

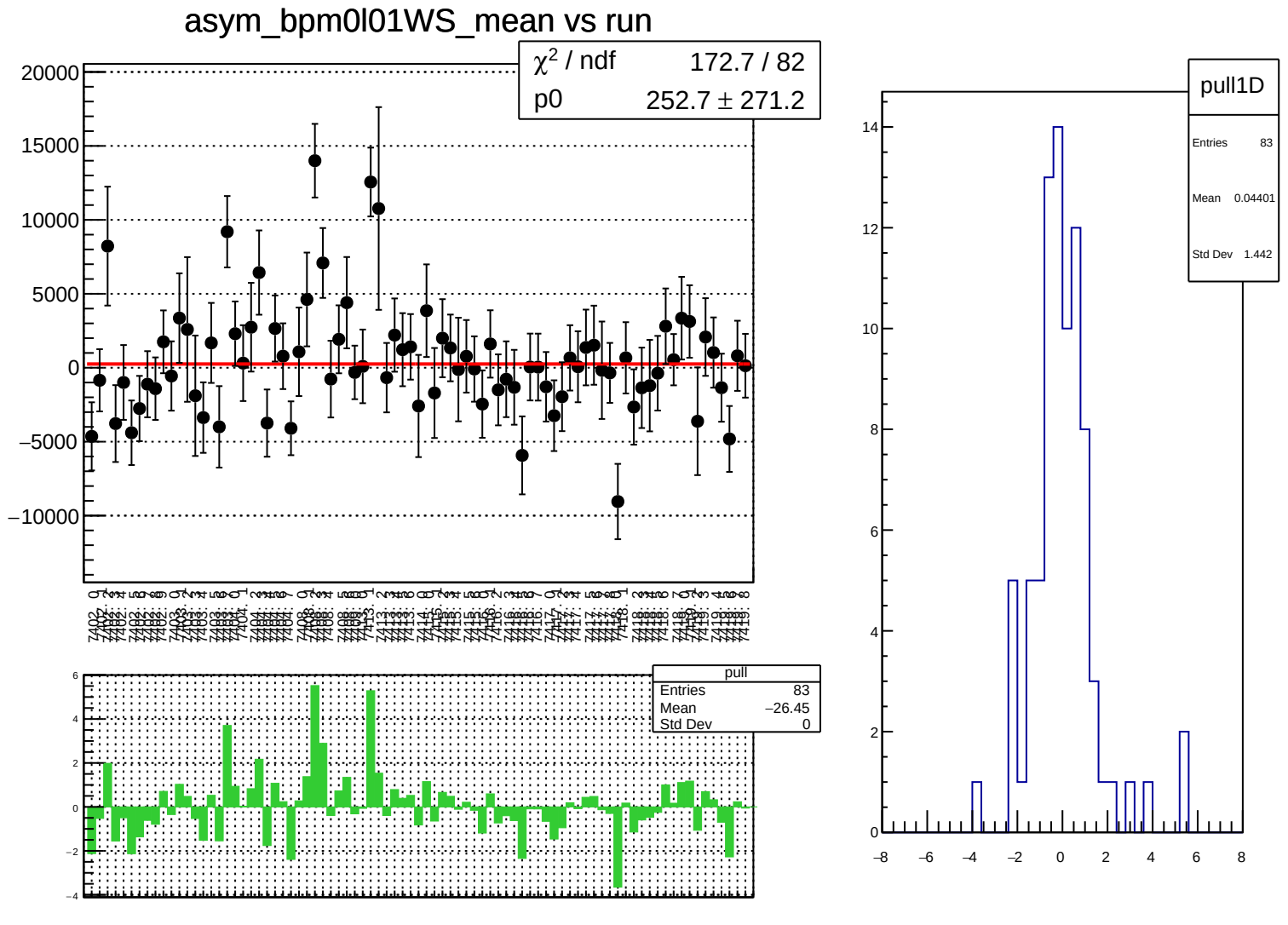

pull1D
Entries 83
Mean −0.549
Std Dev 2.219
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

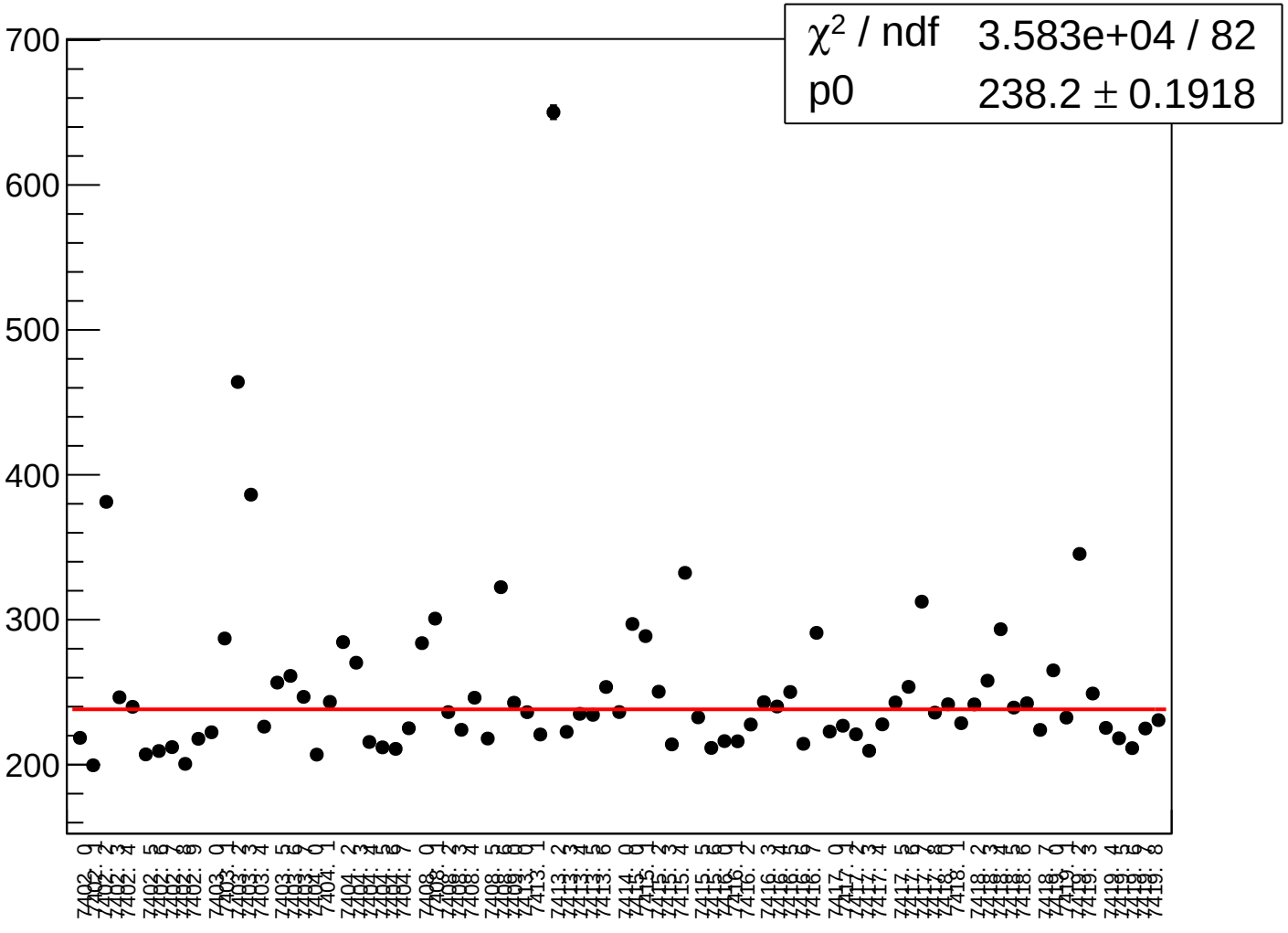

asym_bpm0i01WS_rms vs run
χ^2 / ndf 1.44e+04 / 82
p0 210.9 ± 0.1687
450
400
350
300
250
200

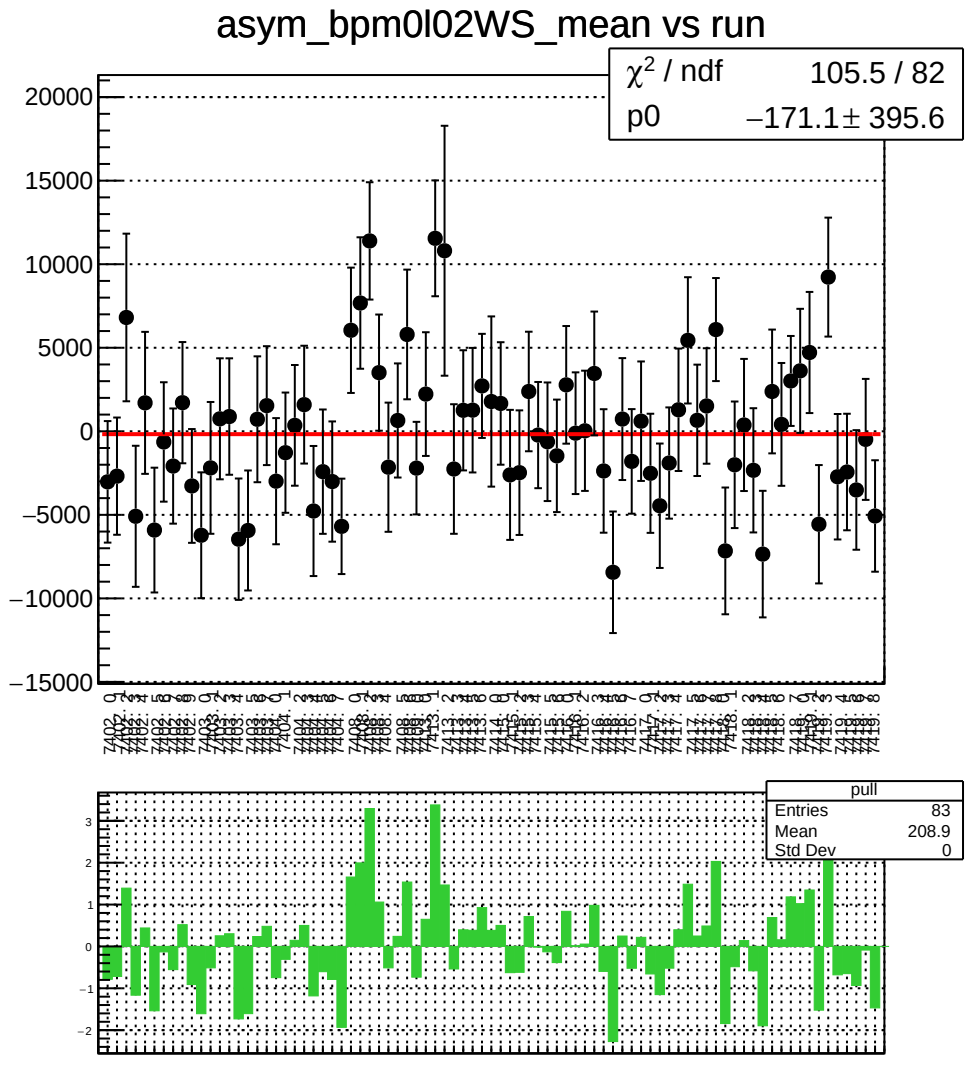

asym_bpm0i01aWS_mean vs run
χ² / ndf 1086 / 82
p0 −1.446e+04 ± 223
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −230.3
Std Dev 0
14
12
10
8
6
4
2
0
−2
−4
−6

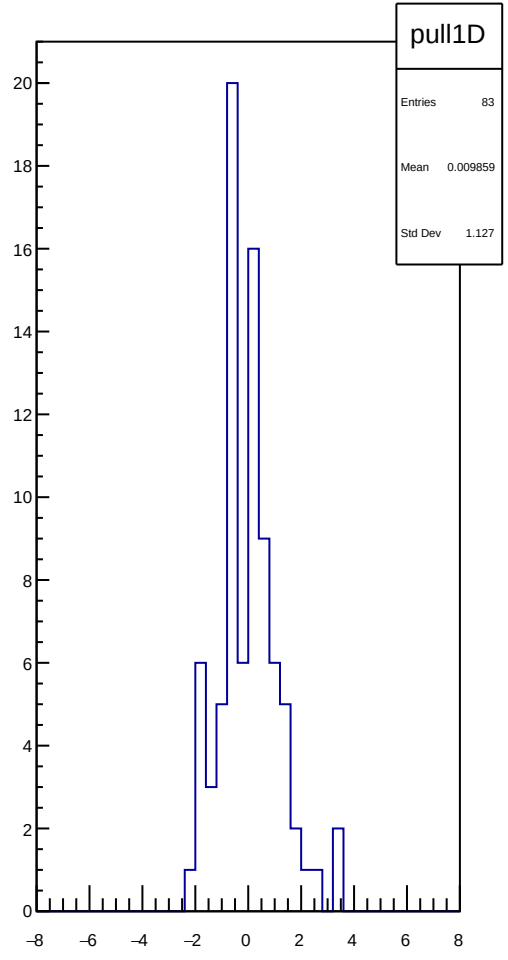

pull1D
Entries 83
Mean −0.5885
Std Dev 2.465
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

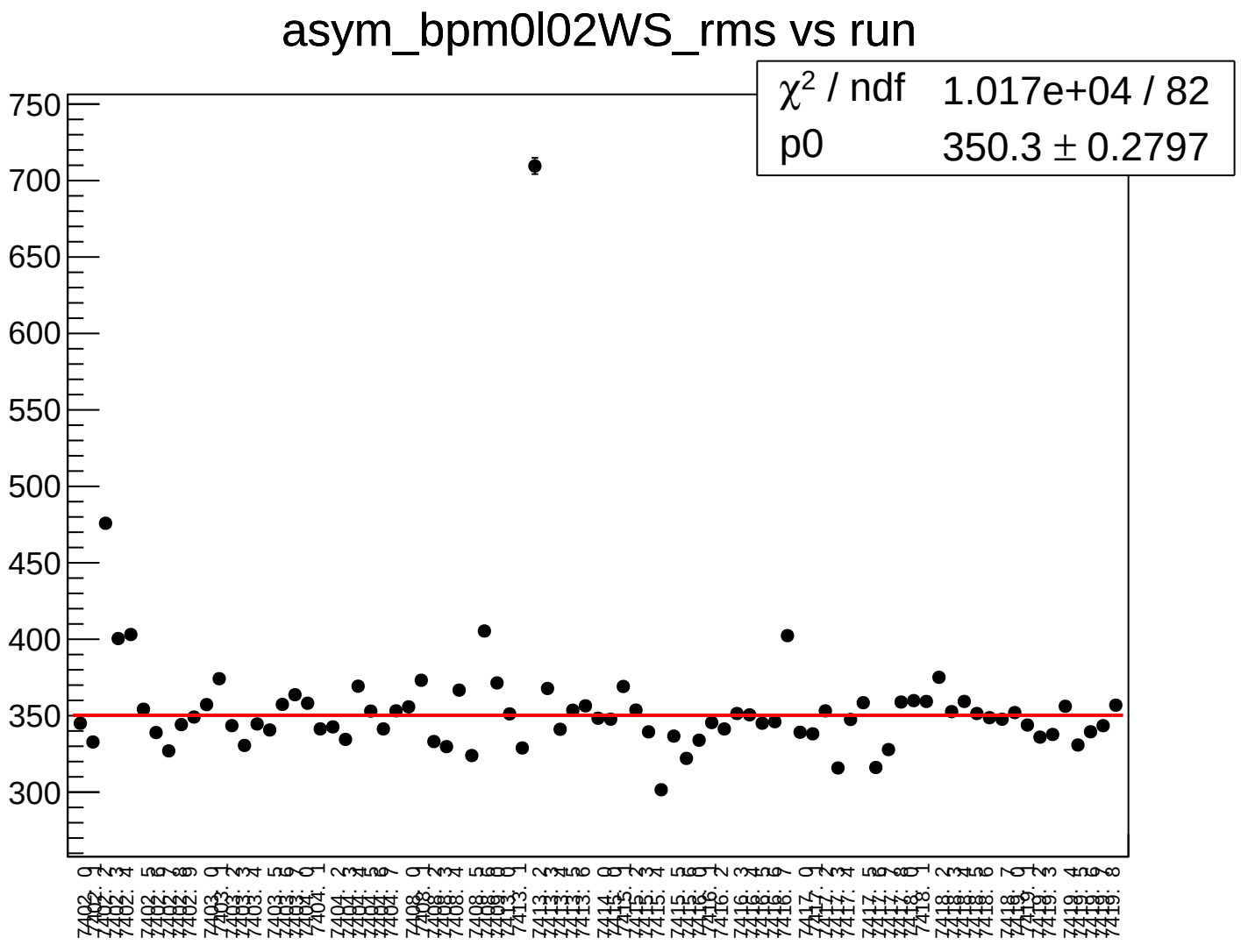

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.67e+04 / 82
p0 197.1 ± 0.1577
450
400
350
300
250
200
150

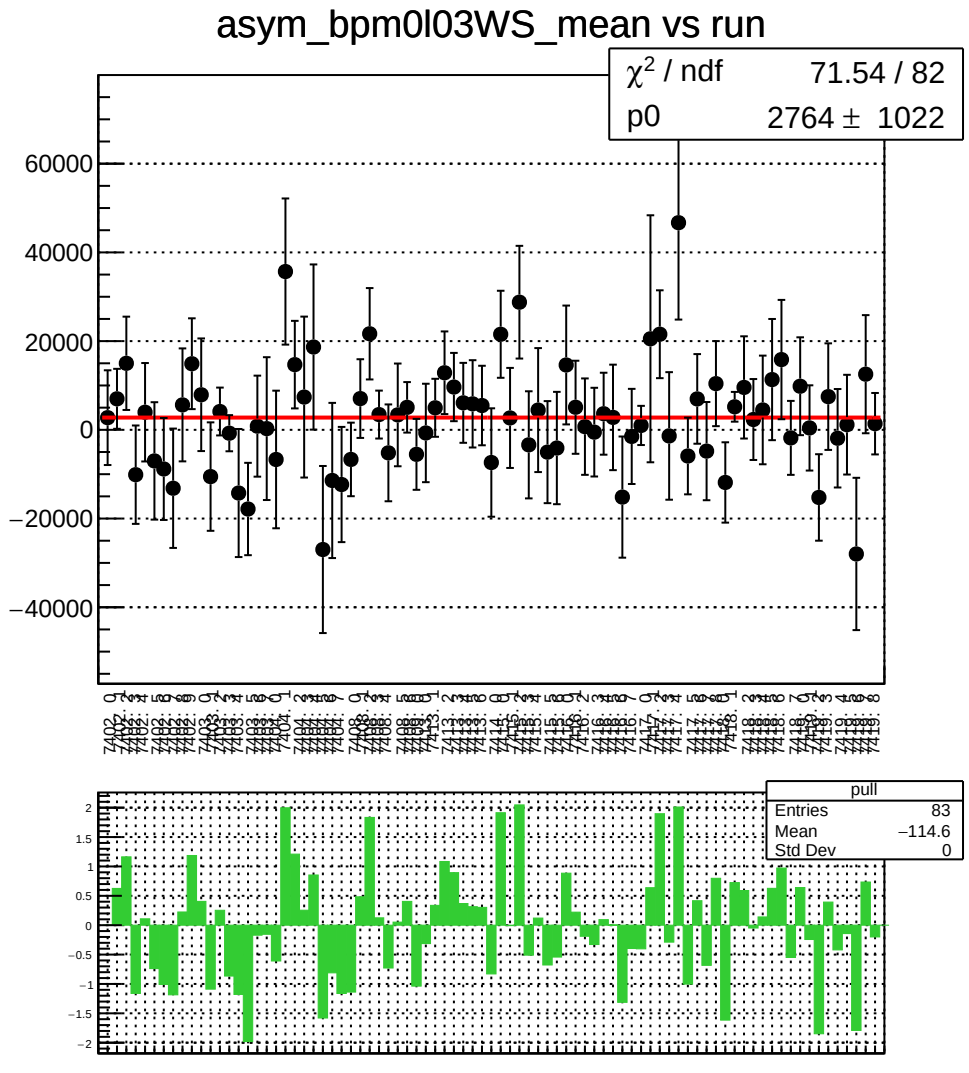

asym_bpm0l01WS_mean vs run
χ² / ndf 172.7 / 82
p0 252.7 ± 271.2
pull
Entries 83
Mean −26.45
Std Dev 0
pull1D
Entries 83
Mean 0.04401
Std Dev 1.442

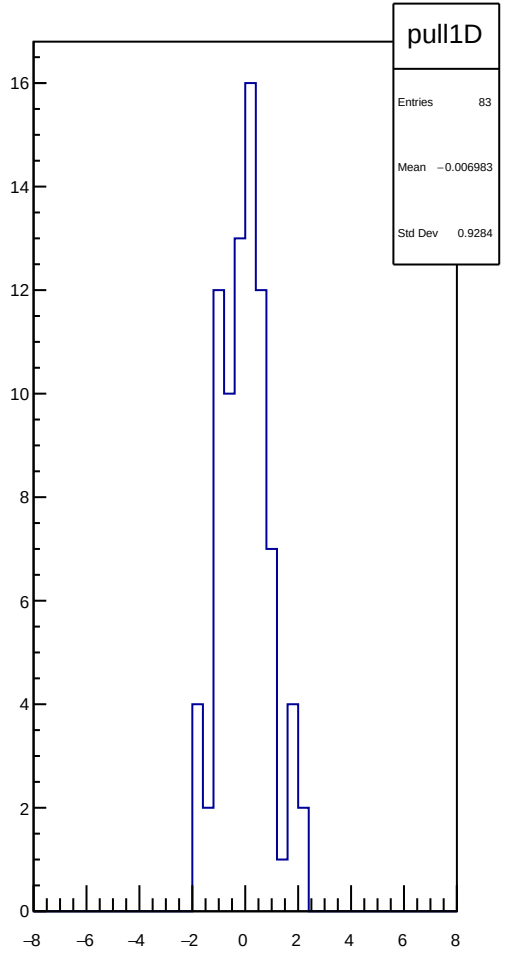

asym_bpm0l01WS_rms vs run
χ^2 / ndf 3.583e+04 / 82
p0 238.2 ± 0.1918
700
600
500
400
300
200

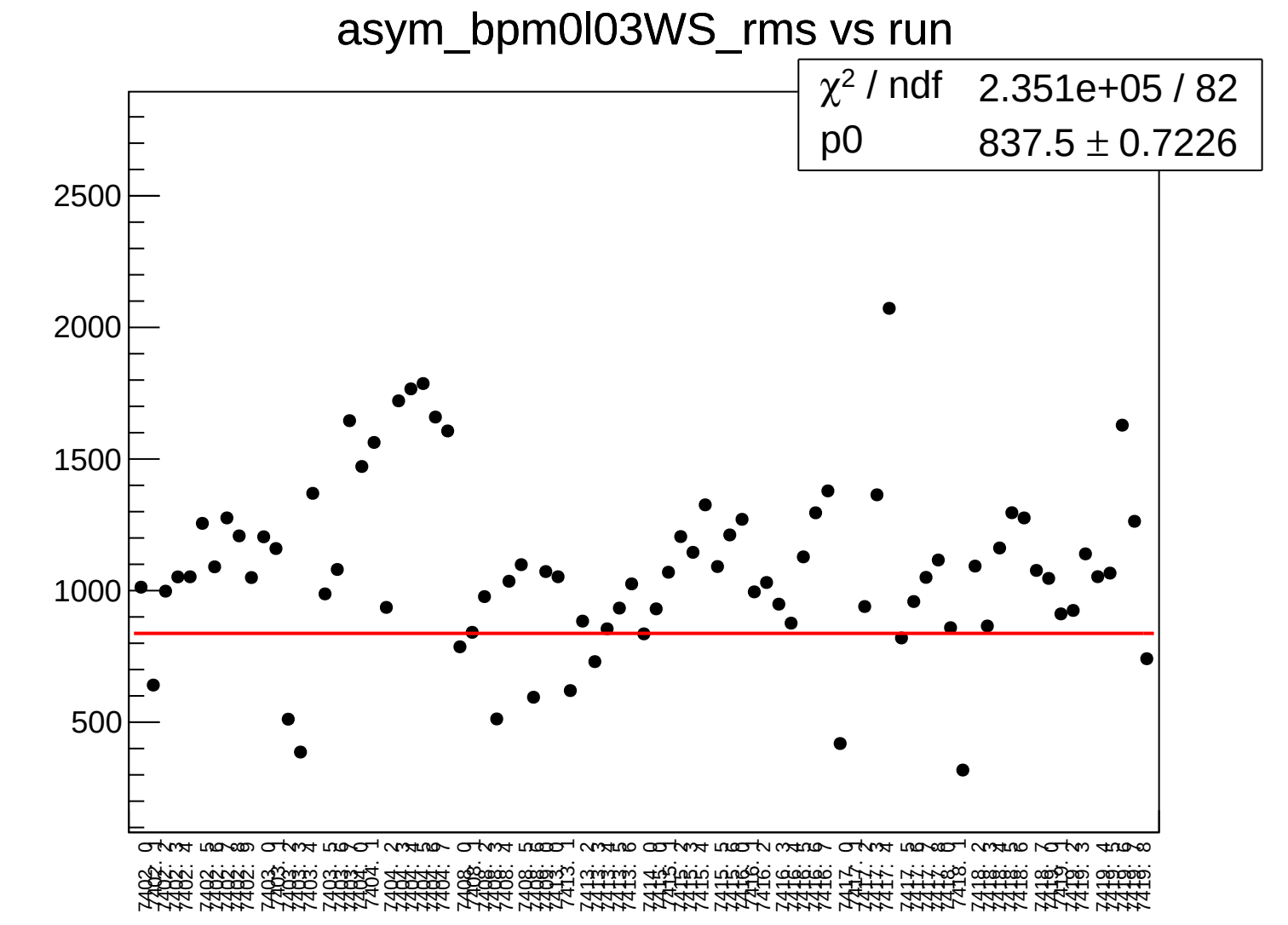

asym_bpm0l02WS_mean vs run
χ² / ndf 105.5 / 82
p0 −171.1± 395.6
pull
Entries 83
Mean 208.9
Std Dev 0

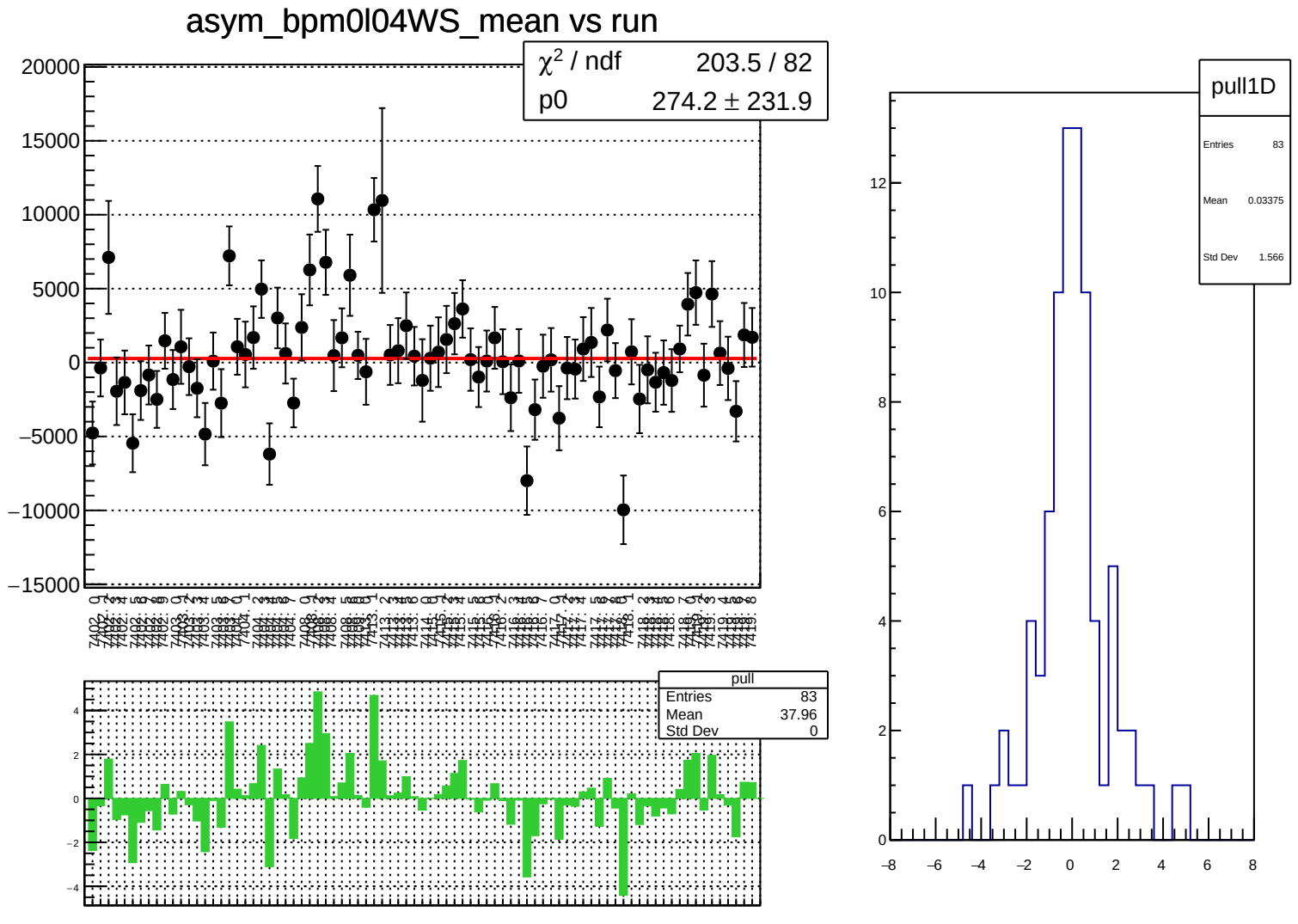

pull1D
Entries 83
Mean 0.009859
Std Dev 1.127

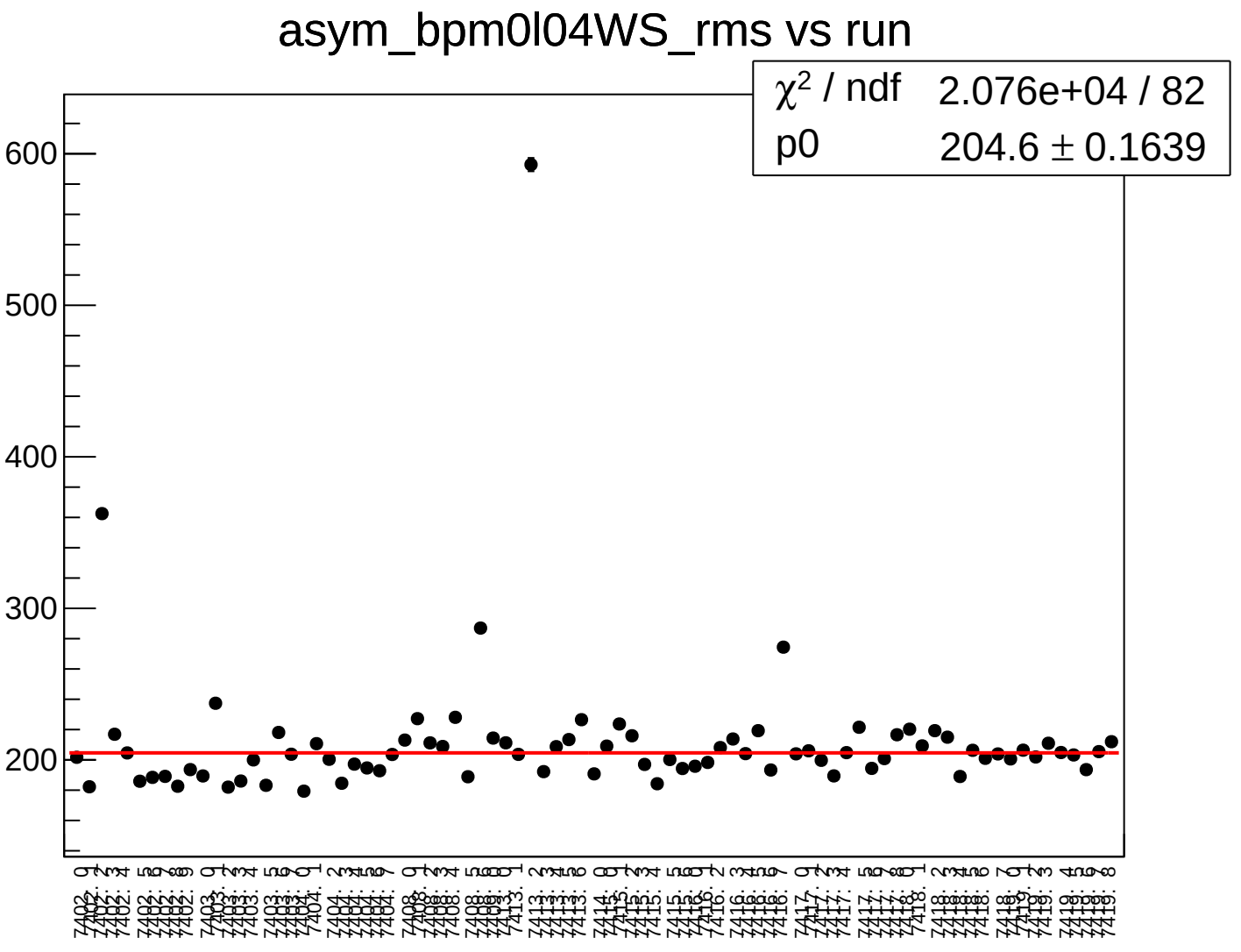

asym_bpm0l02WS_rms vs run
χ² / ndf 1.017e+04 / 82
p0 350.3 ± 0.2797
750
700
650
600
550
500
450
400
350
300

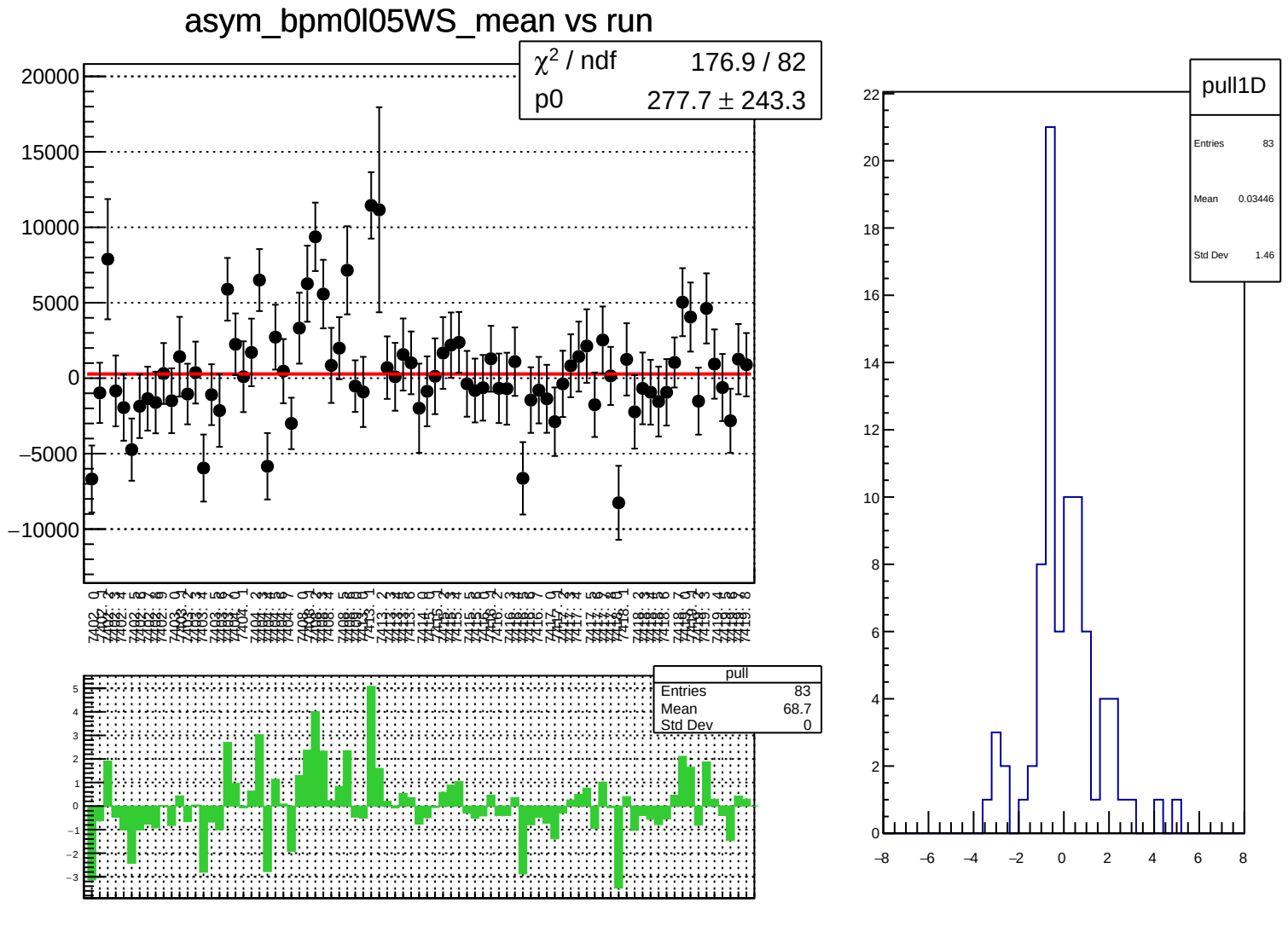

asym_bpm0l03WS_mean vs run
χ² / ndf 71.54 / 82
p0 2764 ± 1022
60000
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −114.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

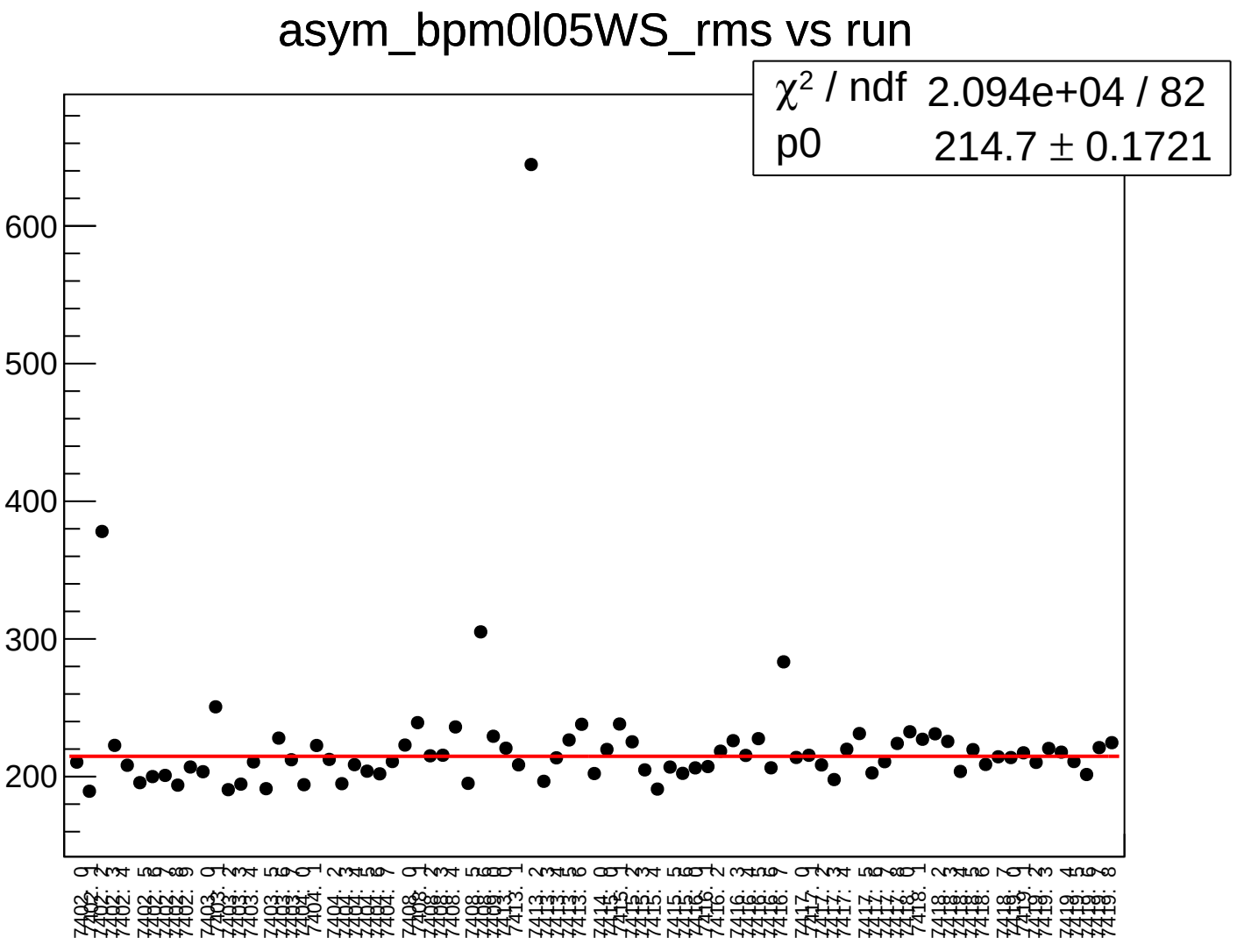

pull1D
Entries 83
Mean −0.006983
Std Dev 0.9284
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

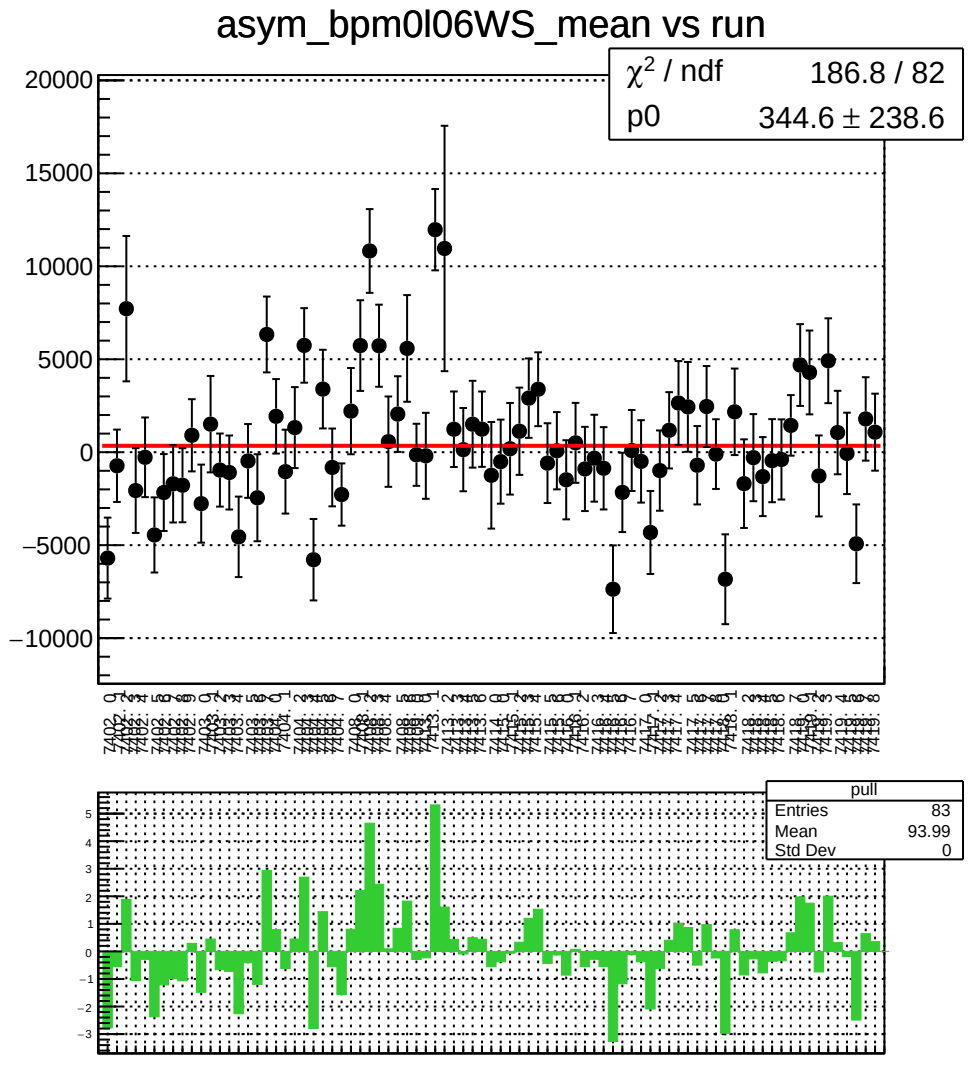

asym_bpm0l03WS_rms vs run
χ² / ndf 2.351e+05 / 82
p0 837.5 ± 0.7226
2500
2000
1500
1000
500

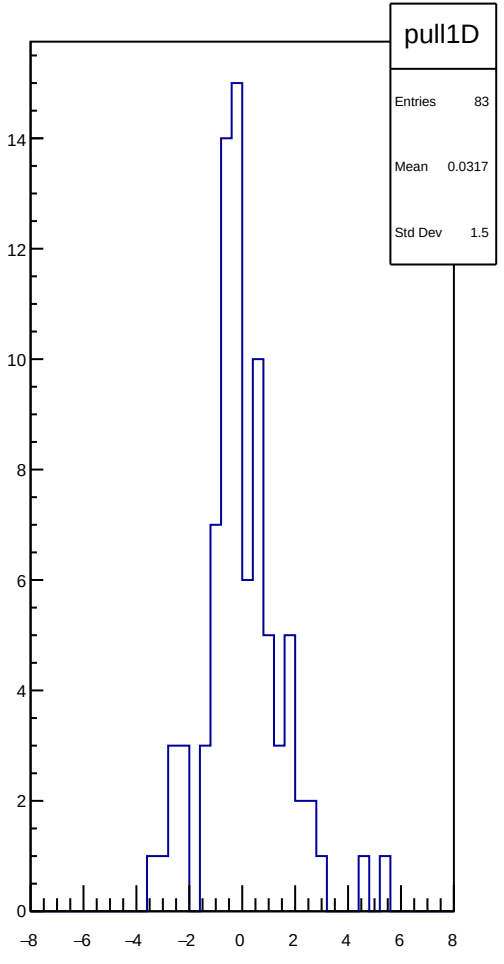

asym_bpm0l04WS_mean vs run
χ² / ndf 203.5 / 82
p0 274.2 ± 231.9
pull
Entries 83
Mean 37.96
Std Dev 0
pull1D
Entries 83
Mean 0.03375
Std Dev 1.566

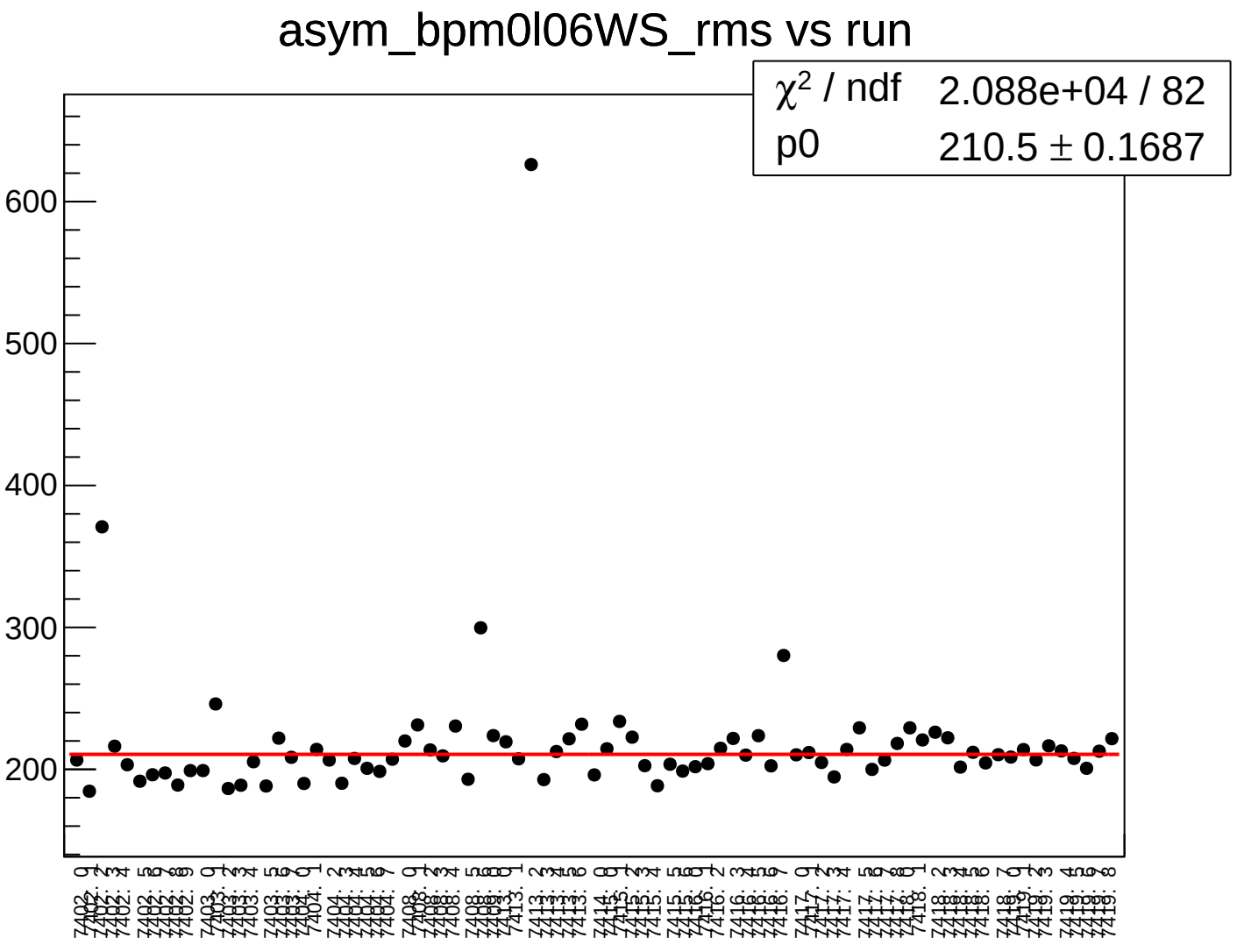

asym_bpm0l04WS_rms vs run
χ² / ndf 2.076e+04 / 82
p0 204.6 ± 0.1639
600
500
400
300
200

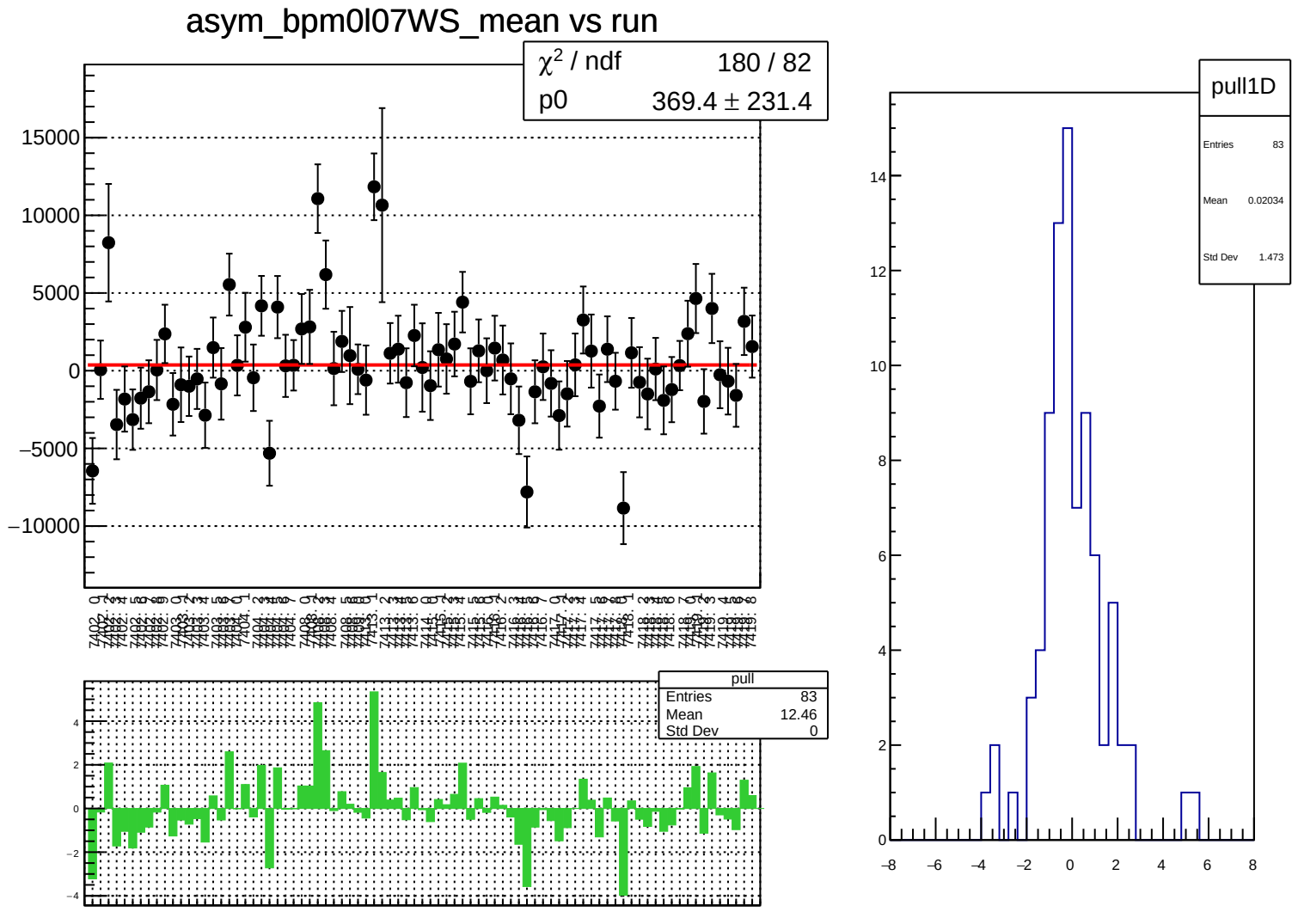

asym_bpm0l05WS_mean vs run
χ² / ndf 176.9 / 82
p0 277.7 ± 243.3
pull
Entries 83
Mean 68.7
Std Dev 0
pull1D
Entries 83
Mean 0.03446
Std Dev 1.46

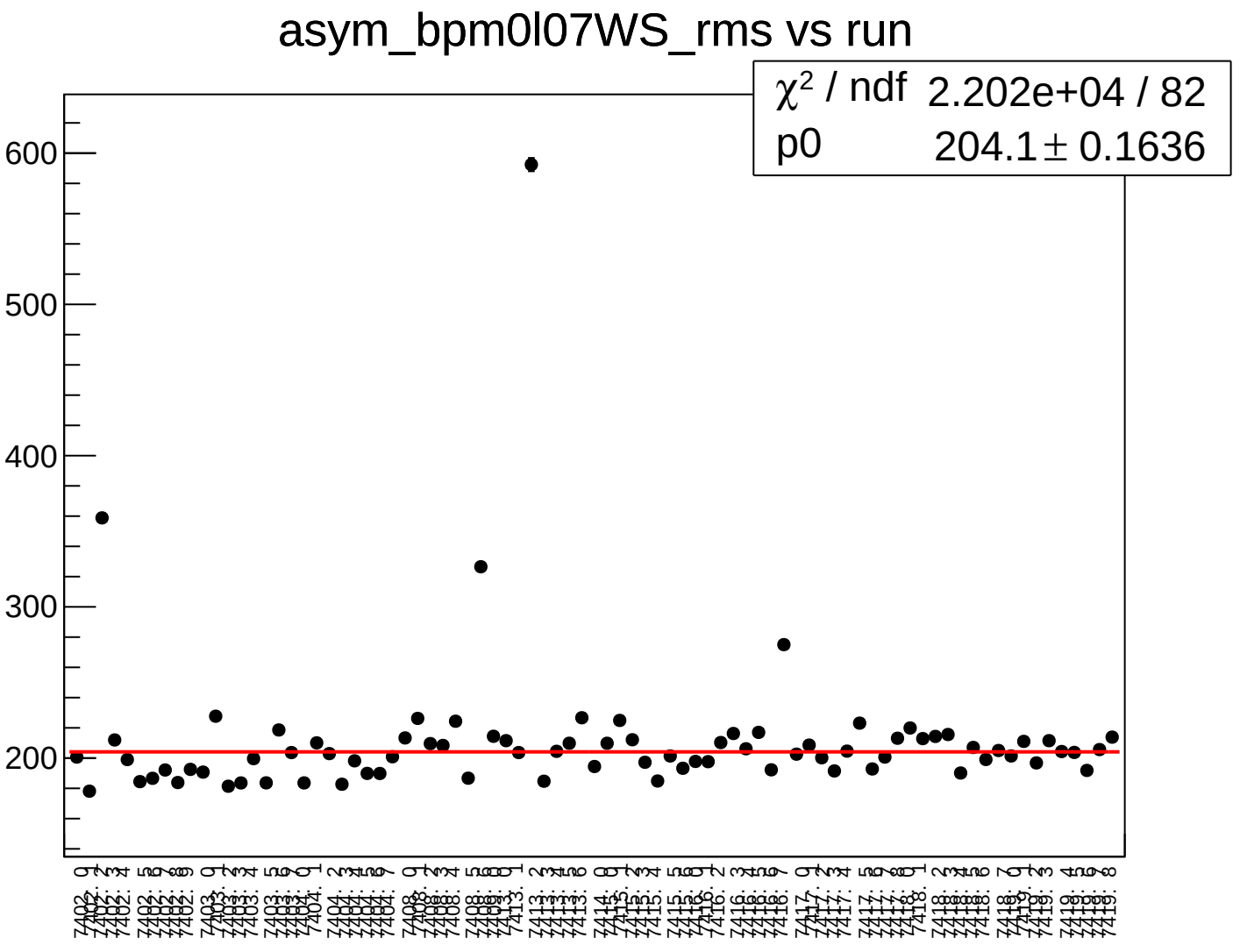

asym_bpm0l05WS_rms vs run
χ² / ndf 2.094e+04 / 82
p0 214.7 ± 0.1721
600
500
400
300
200

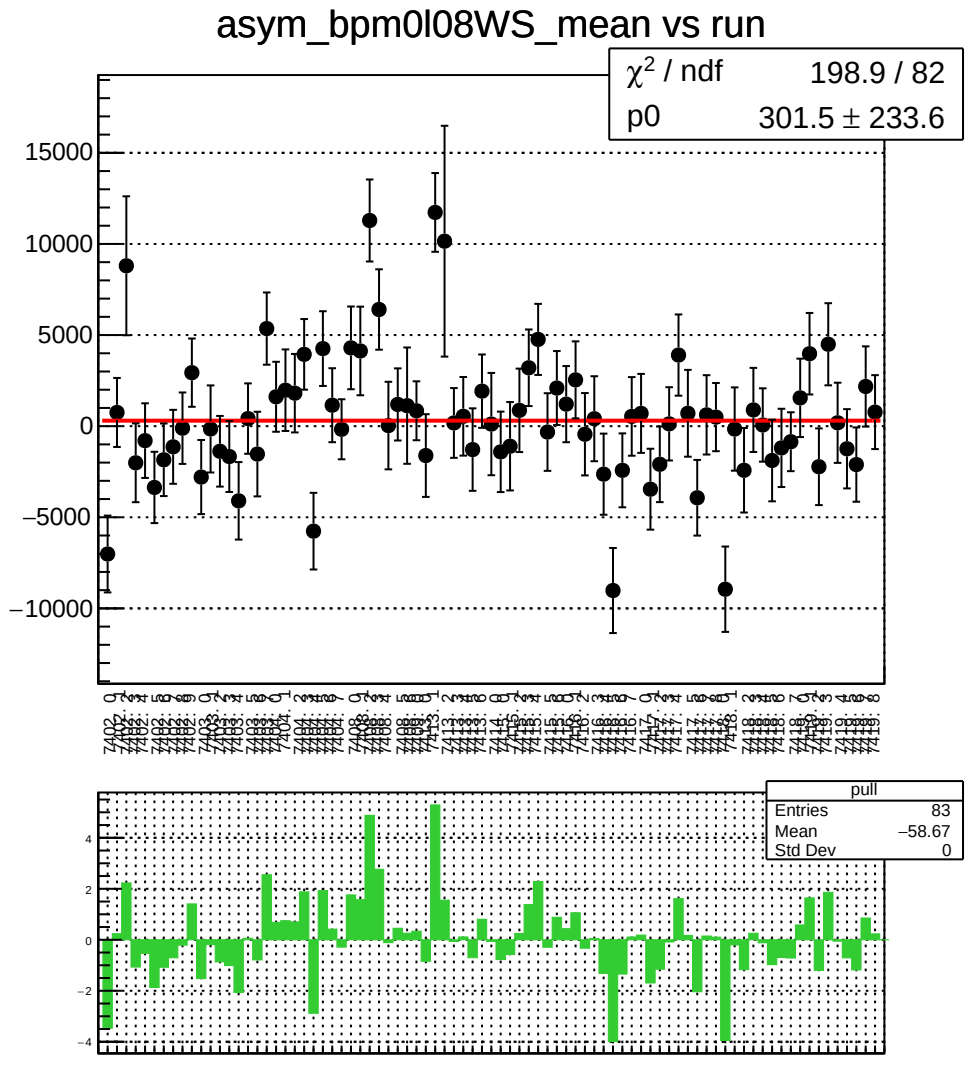

asym_bpm0l06WS_mean vs run
χ² / ndf 186.8 / 82
p0 344.6 ± 238.6
pull
Entries 83
Mean 93.99
Std Dev 0

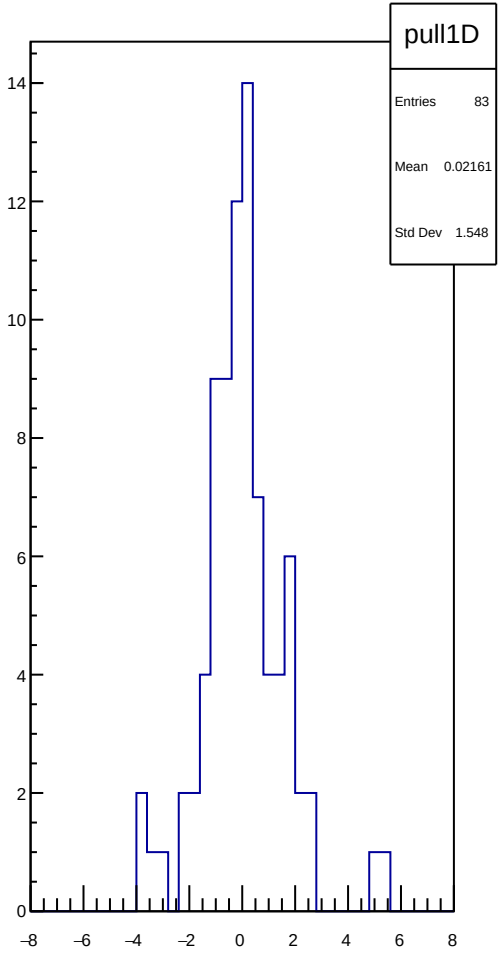

pull1D
Entries 83
Mean 0.0317
Std Dev 1.5

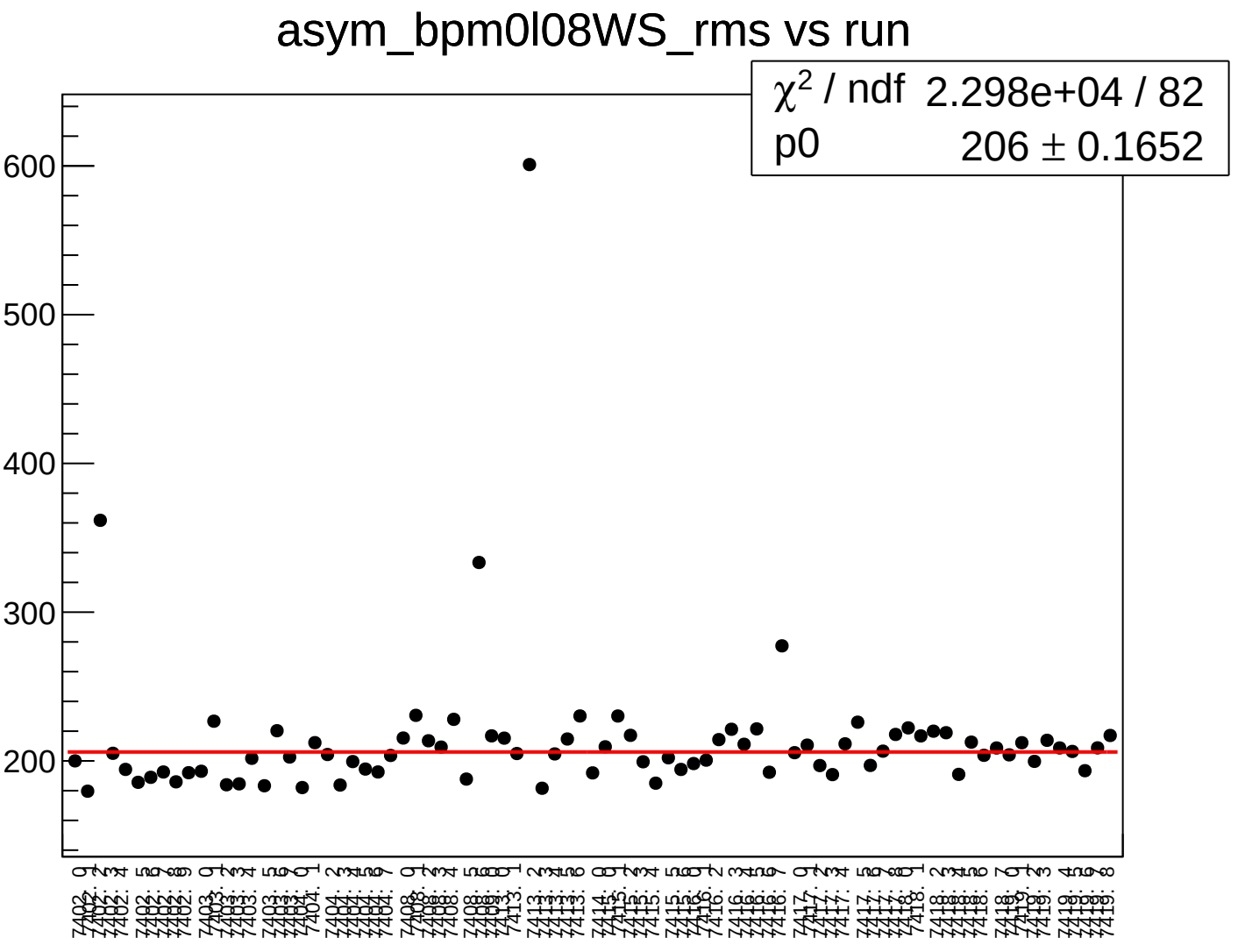

asym_bpm0l06WS_rms vs run
χ² / ndf 2.088e+04 / 82
p0 210.5 ± 0.1687
600
500
400
300
200

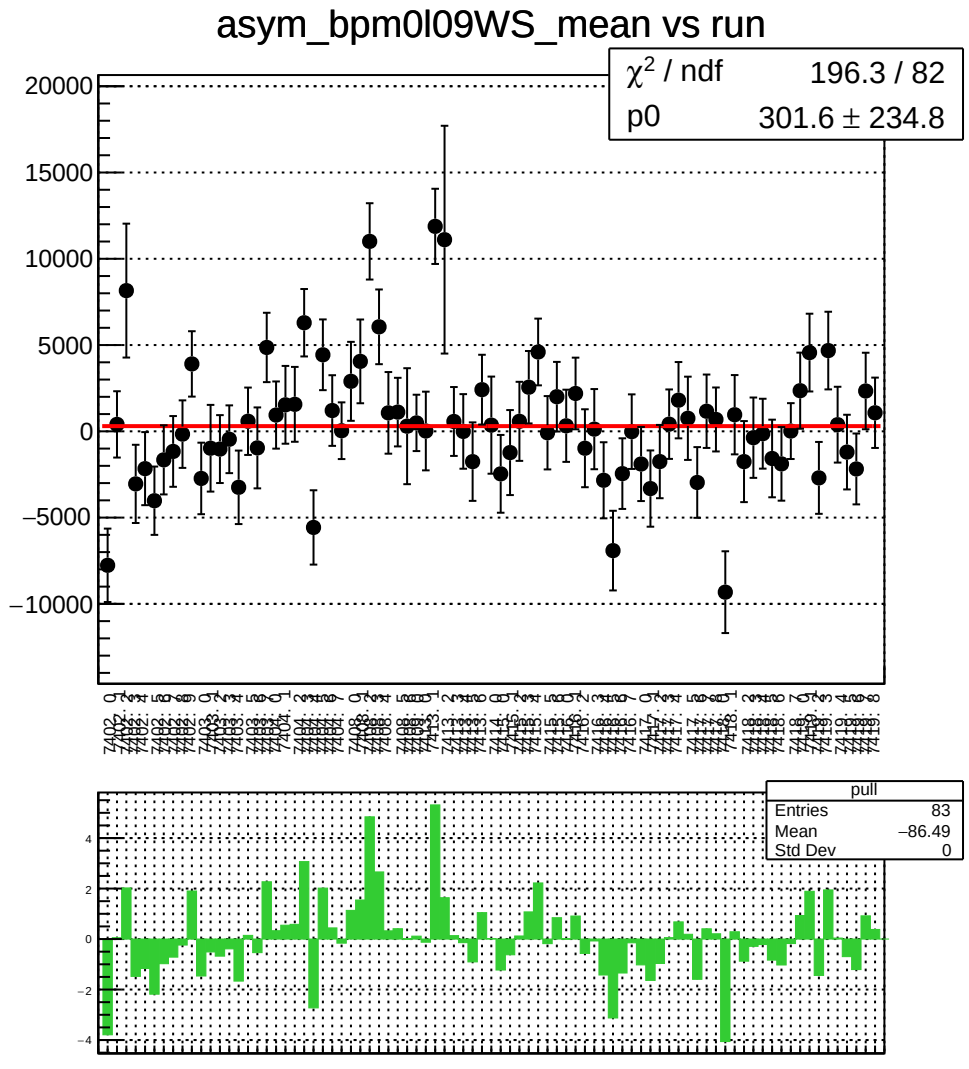

asym_bpm0l07WS_mean vs run
χ² / ndf 180 / 82
p0 369.4 ± 231.4
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 12.46
Std Dev 0
4
2
0
−2
−4
pull1D
Entries 83
Mean 0.02034
Std Dev 1.473
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

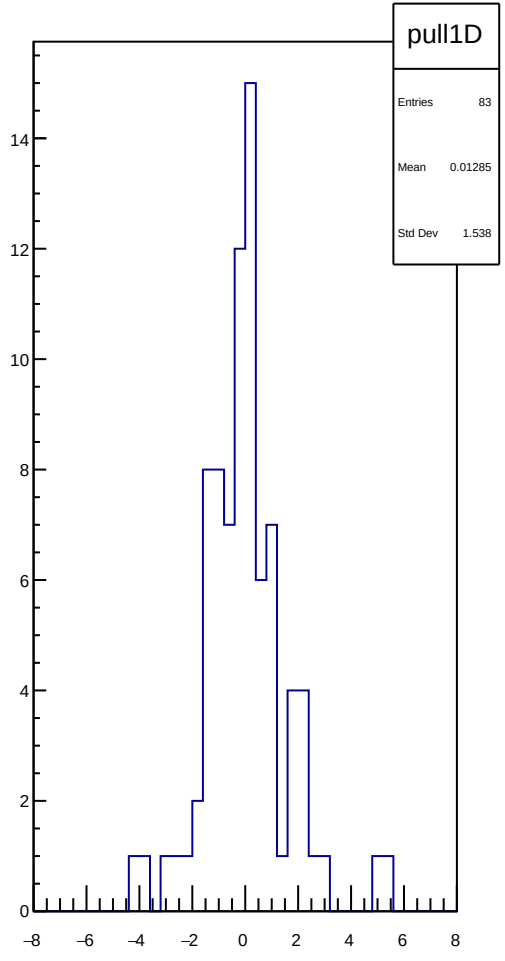

asym_bpm0l07WS_rms vs run
χ² / ndf 2.202e+04 / 82
p0 204.1 ± 0.1636
600
500
400
300
200

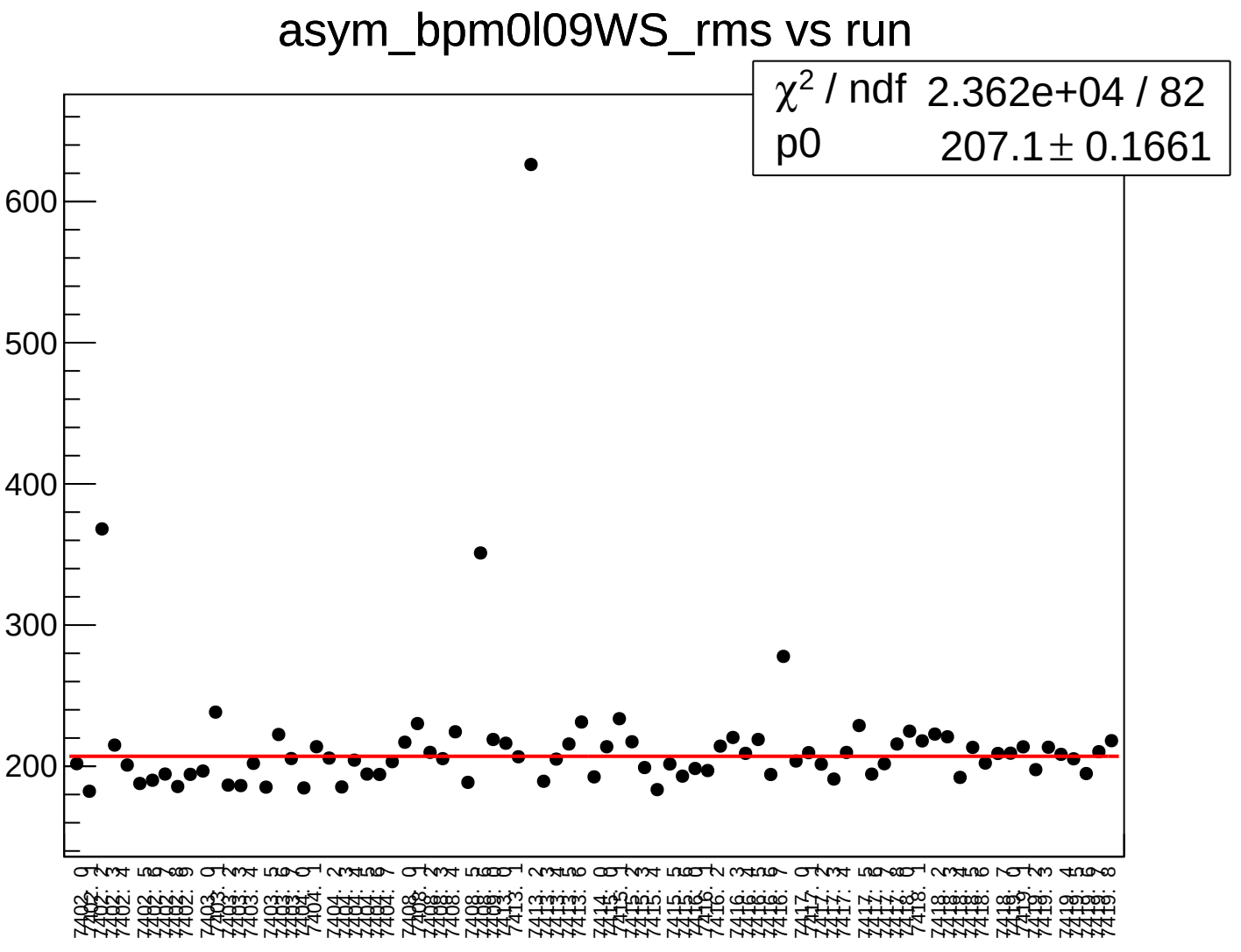

asym_bpm0l08WS_mean vs run
χ² / ndf 198.9 / 82
p0 301.5 ± 233.6
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −58.67
Std Dev 0
4
2
0
−2
−4

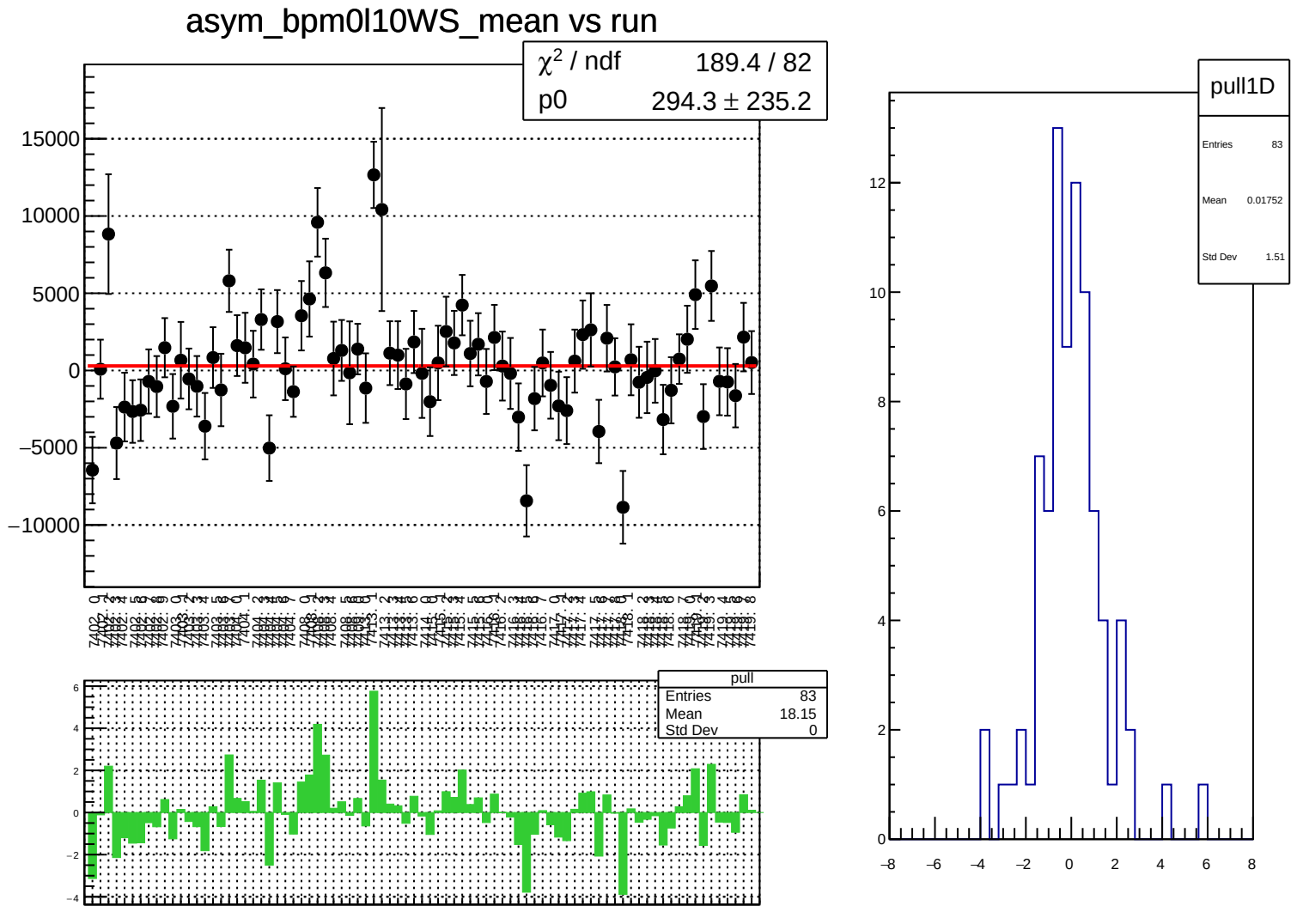

pull1D
Entries 83
Mean 0.02161
Std Dev 1.548
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

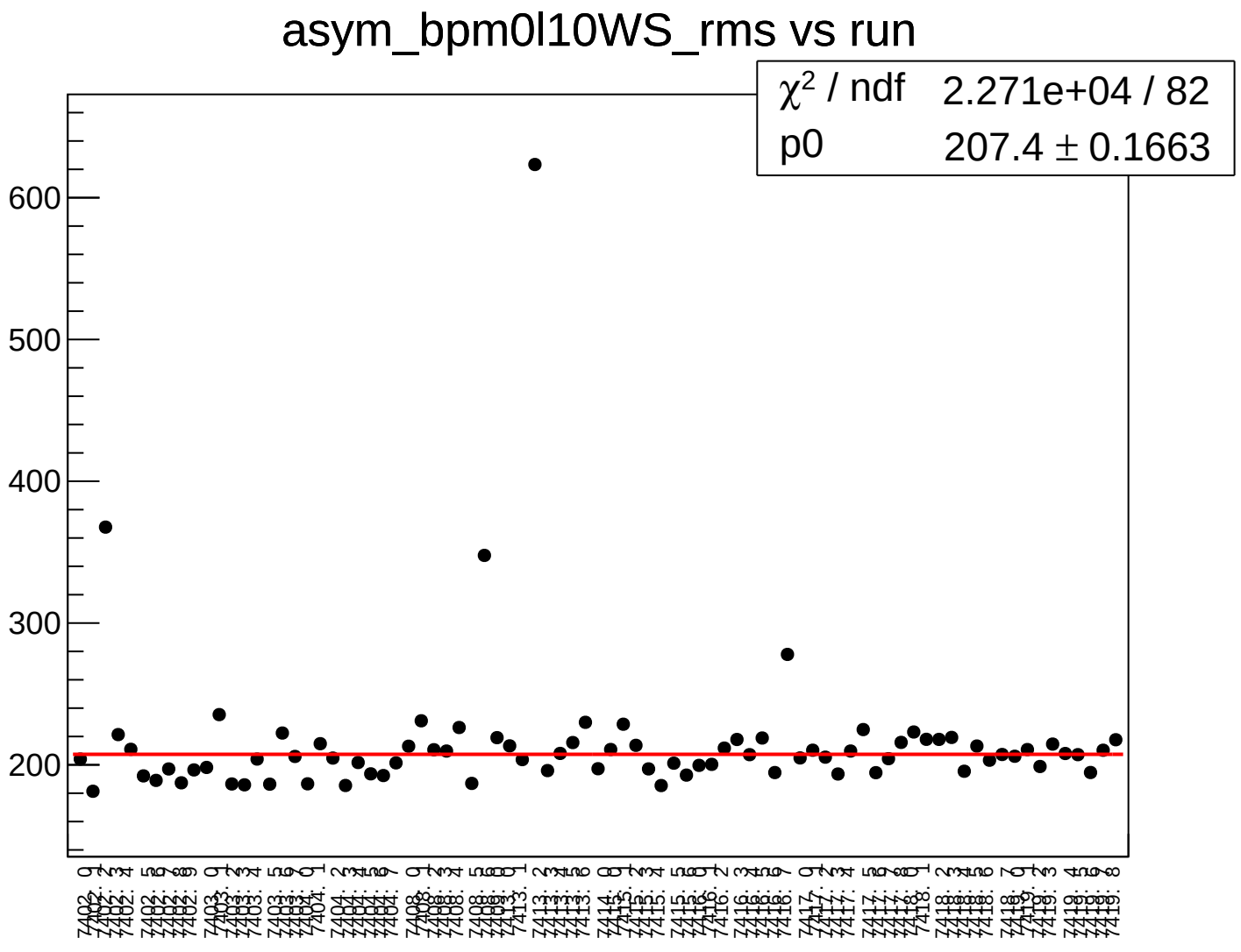

asym_bpm0l08WS_rms vs run
χ^2 / ndf 2.298e+04 / 82
p0 206 ± 0.1652
600
500
400
300
200

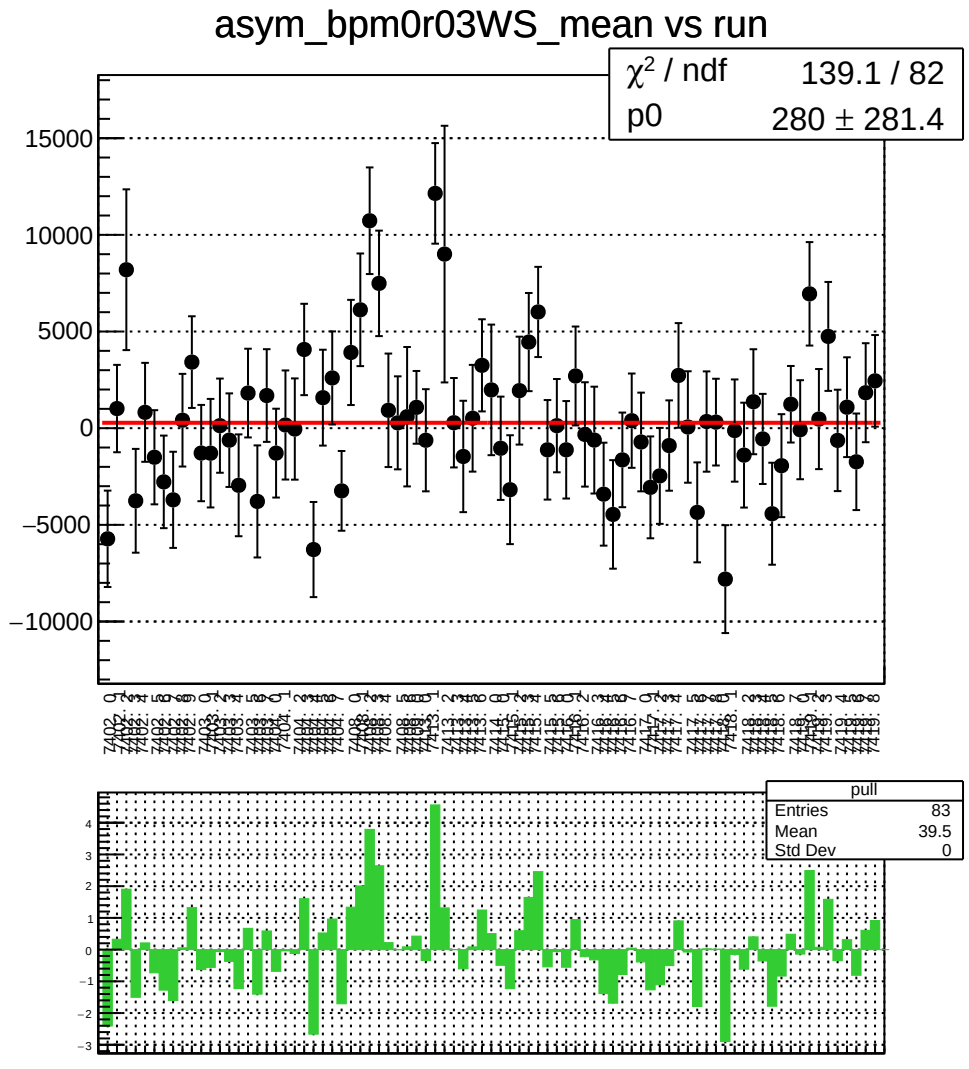

asym_bpm0l09WS_mean vs run
χ² / ndf 196.3 / 82
p0 301.6 ± 234.8
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −86.49
Std Dev 0
4
2
0
−2
−4

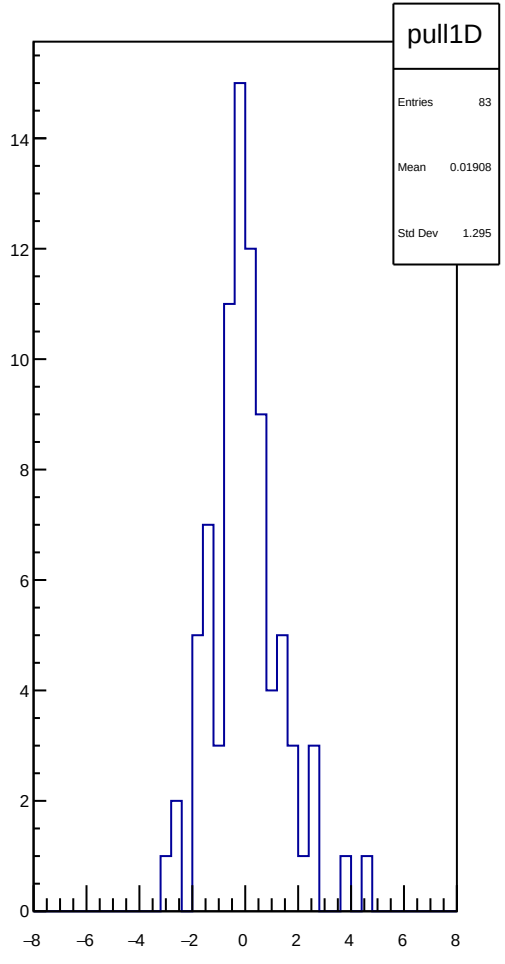

pull1D
Entries 83
Mean 0.01285
Std Dev 1.538
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

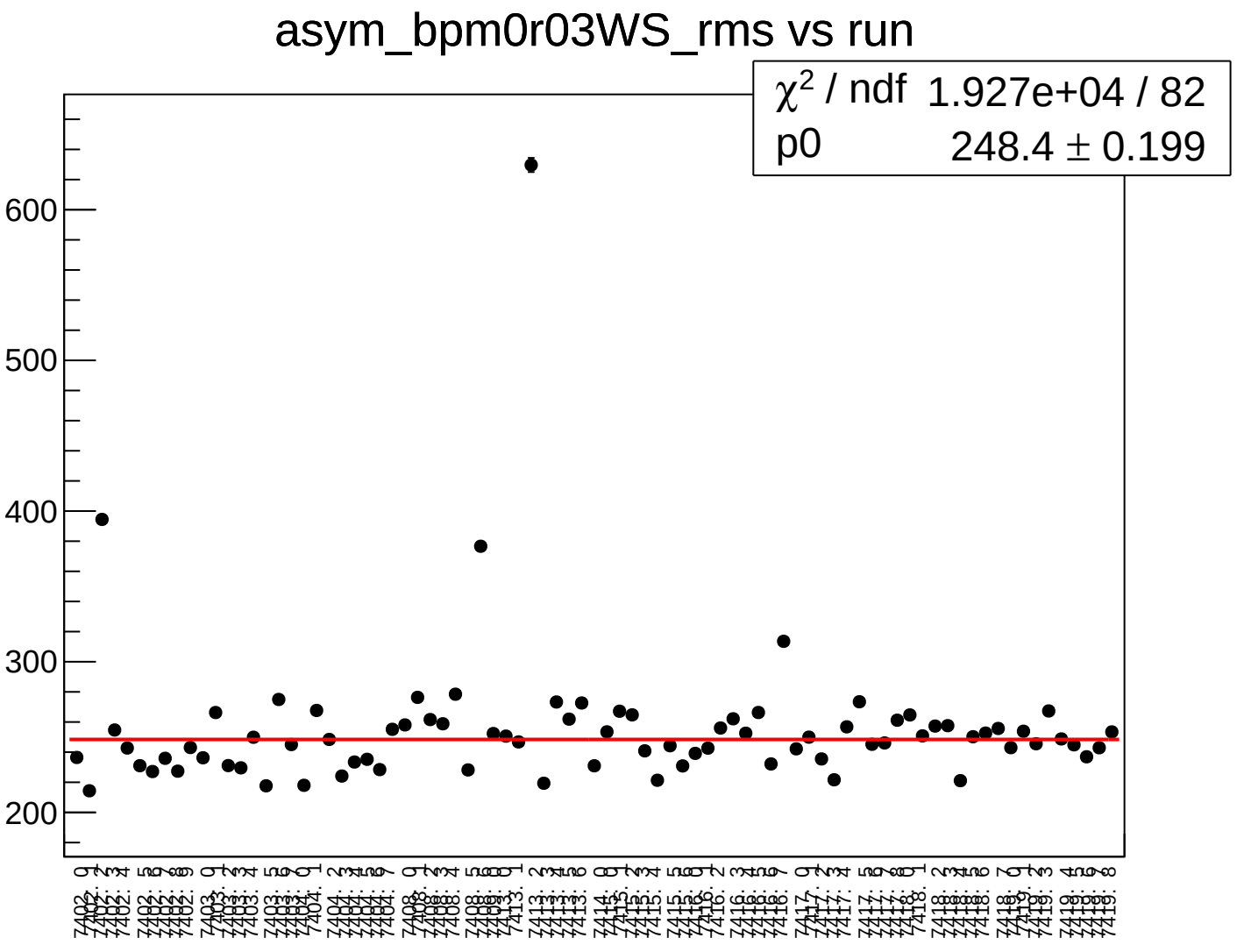

asym_bpm0l09WS_rms vs run
χ^2 / ndf 2.362e+04 / 82
p0 207.1 ± 0.1661
600
500
400
300
200

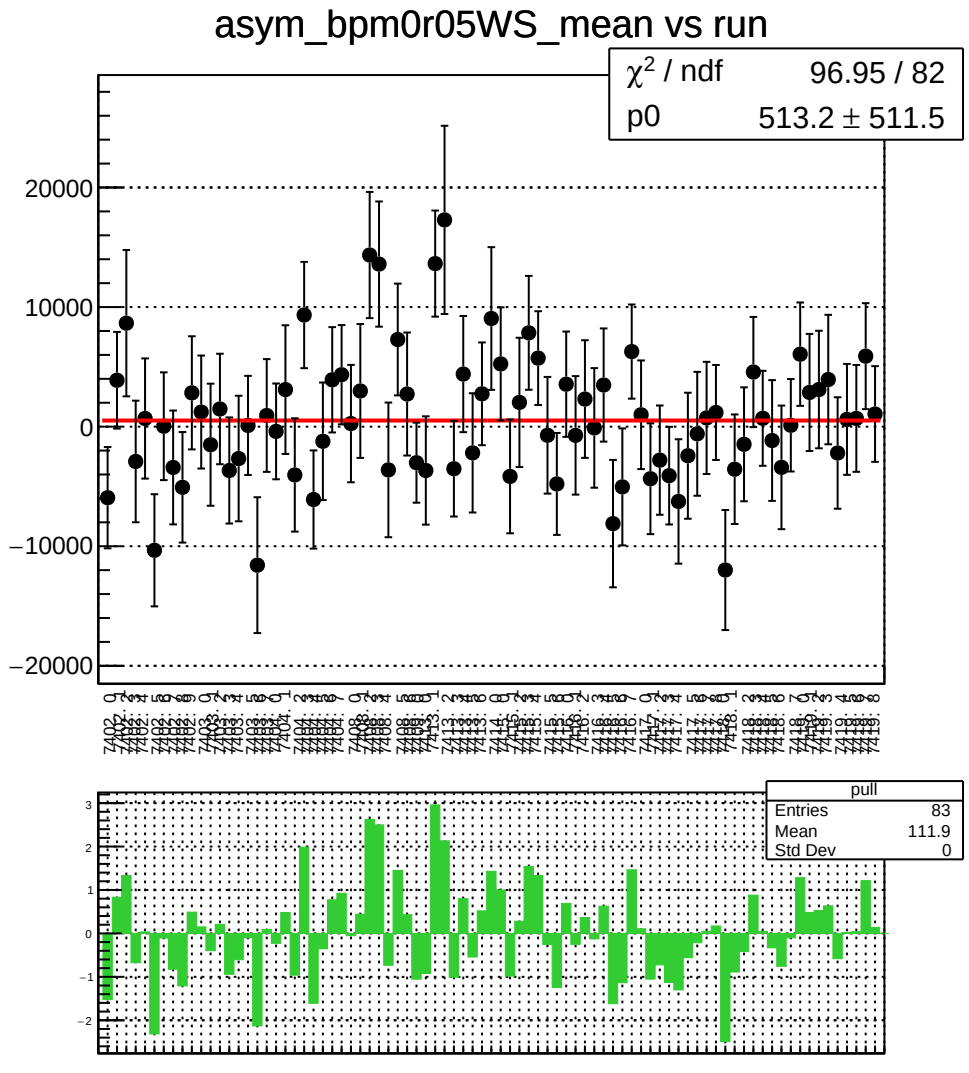

asym_bpm0l10WS_mean vs run
χ^2 / ndf 189.4 / 82
p0 294.3 ± 235.2
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 18.15
Std Dev 0
6
4
2
0
−2
−4
pull1D
Entries 83
Mean 0.01752
Std Dev 1.51
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

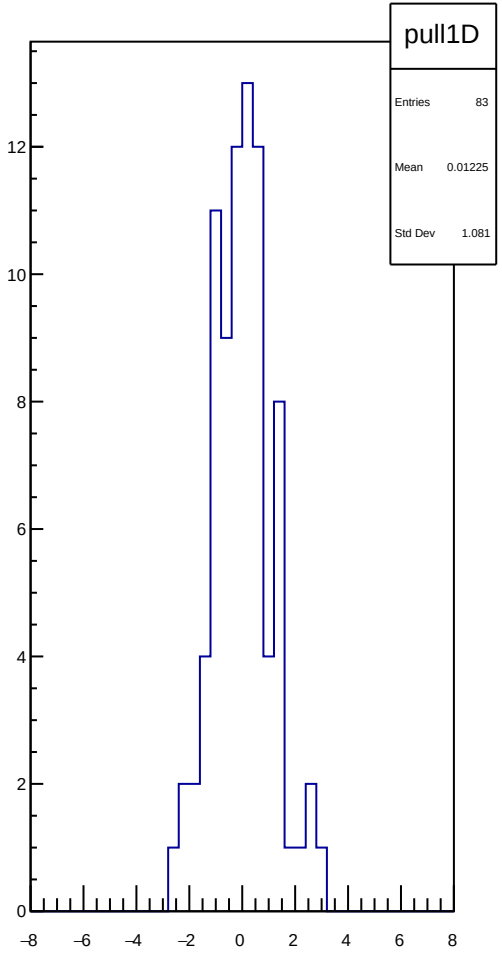

asym_bpm0l10WS_rms vs run
χ^2 / ndf 2.271e+04 / 82
p0 207.4 ± 0.1663
600
500
400
300
200

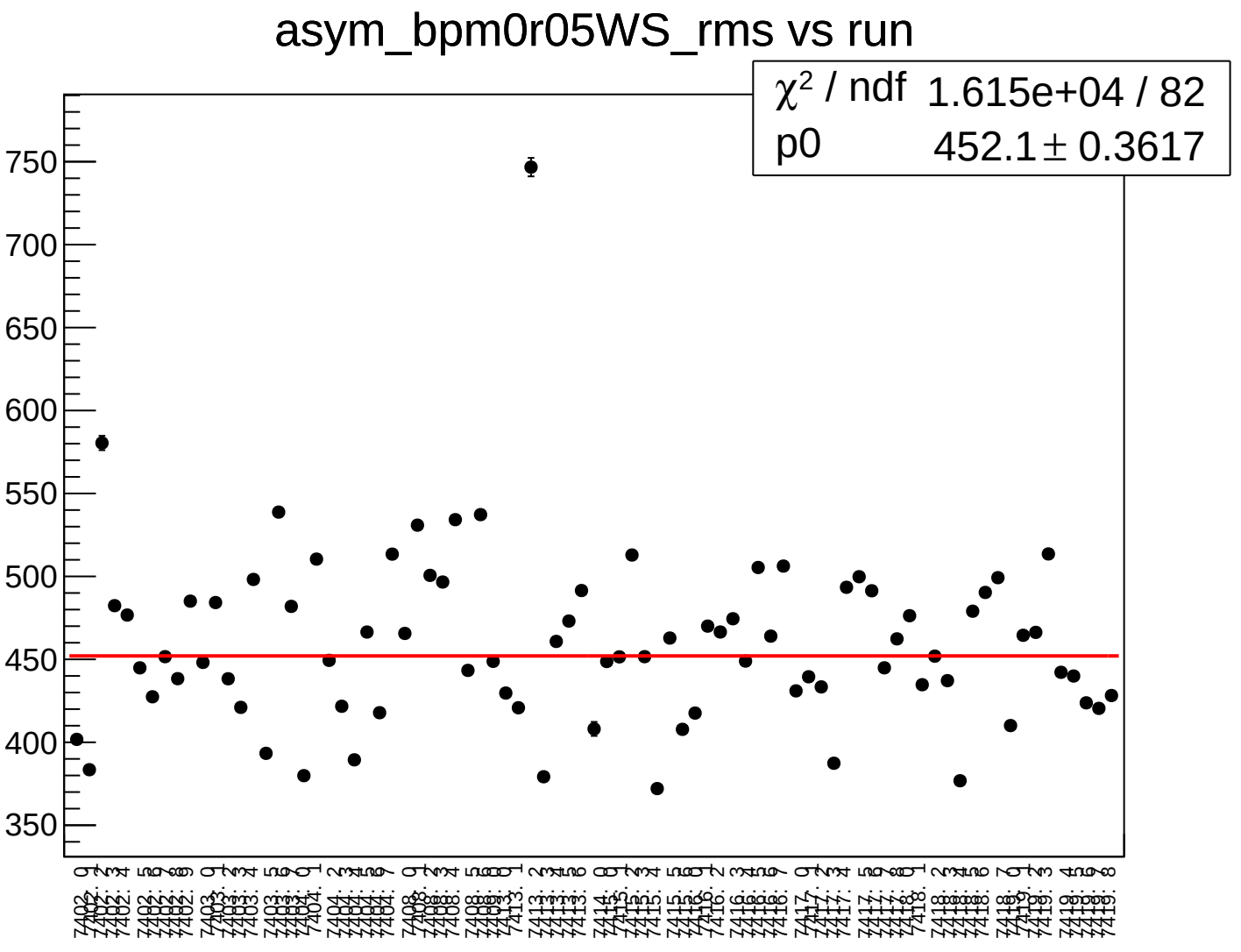

asym_bpm0r03WS_mean vs run
χ² / ndf 139.1 / 82
p0 280 ± 281.4
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 39.5
Std Dev 0
4
3
2
1
0
−1
−2
−3

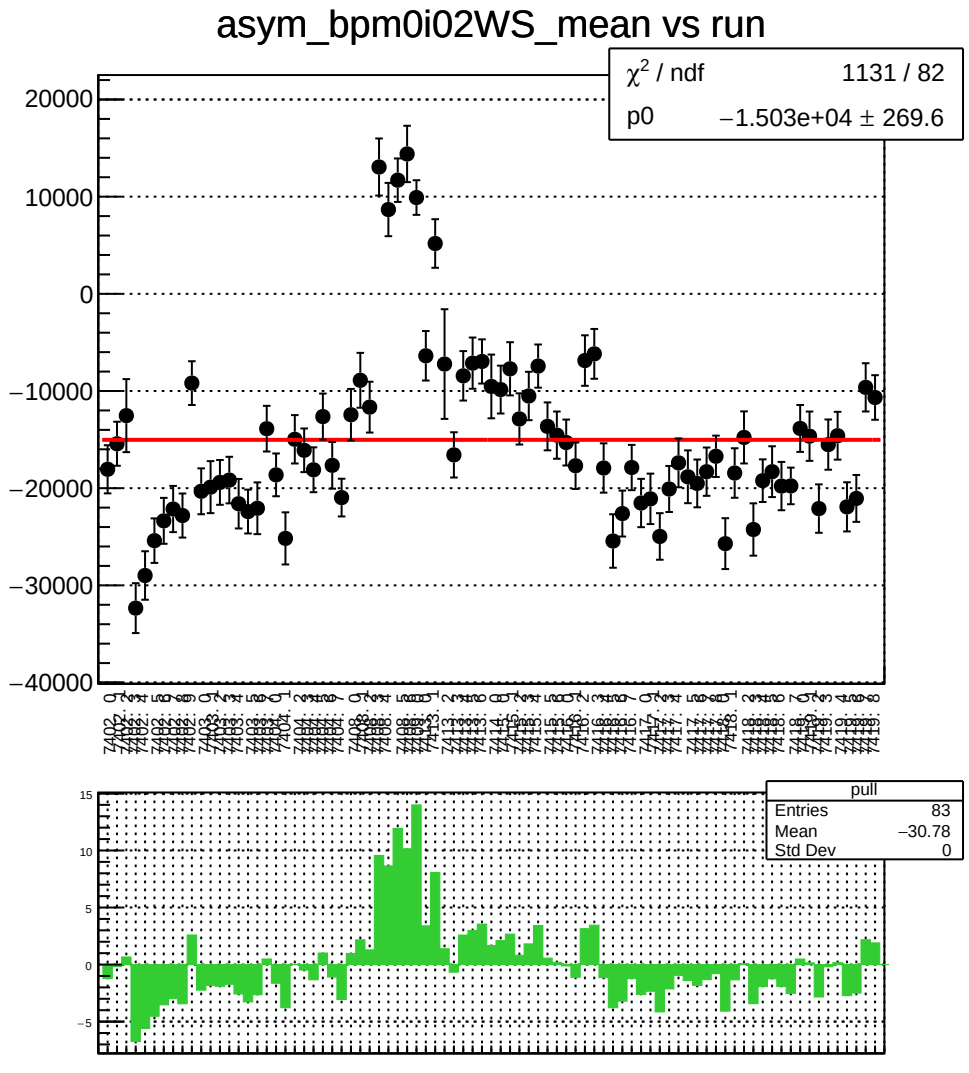

pull1D
Entries 83
Mean 0.01908
Std Dev 1.295
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

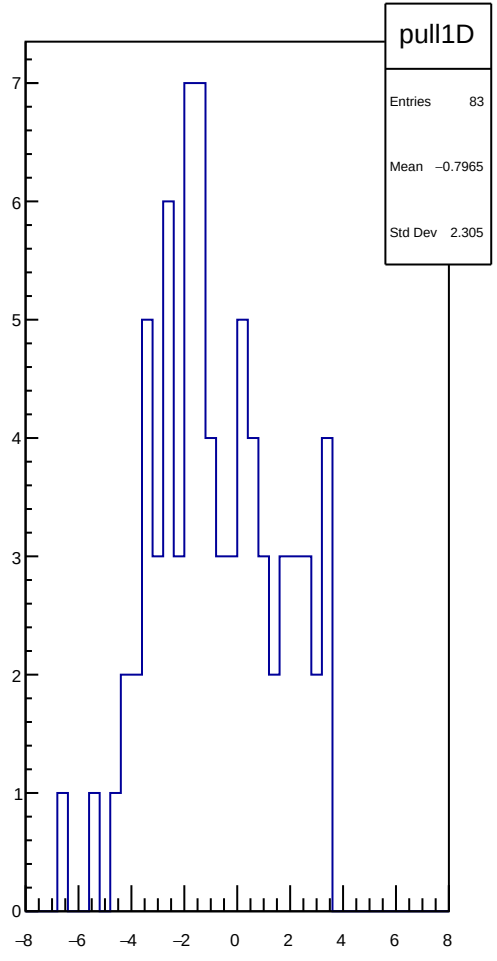

asym_bpm0r03WS_rms vs run
χ^2 / ndf 1.927e+04 / 82
p0 248.4 ± 0.199
600
500
400
300
200

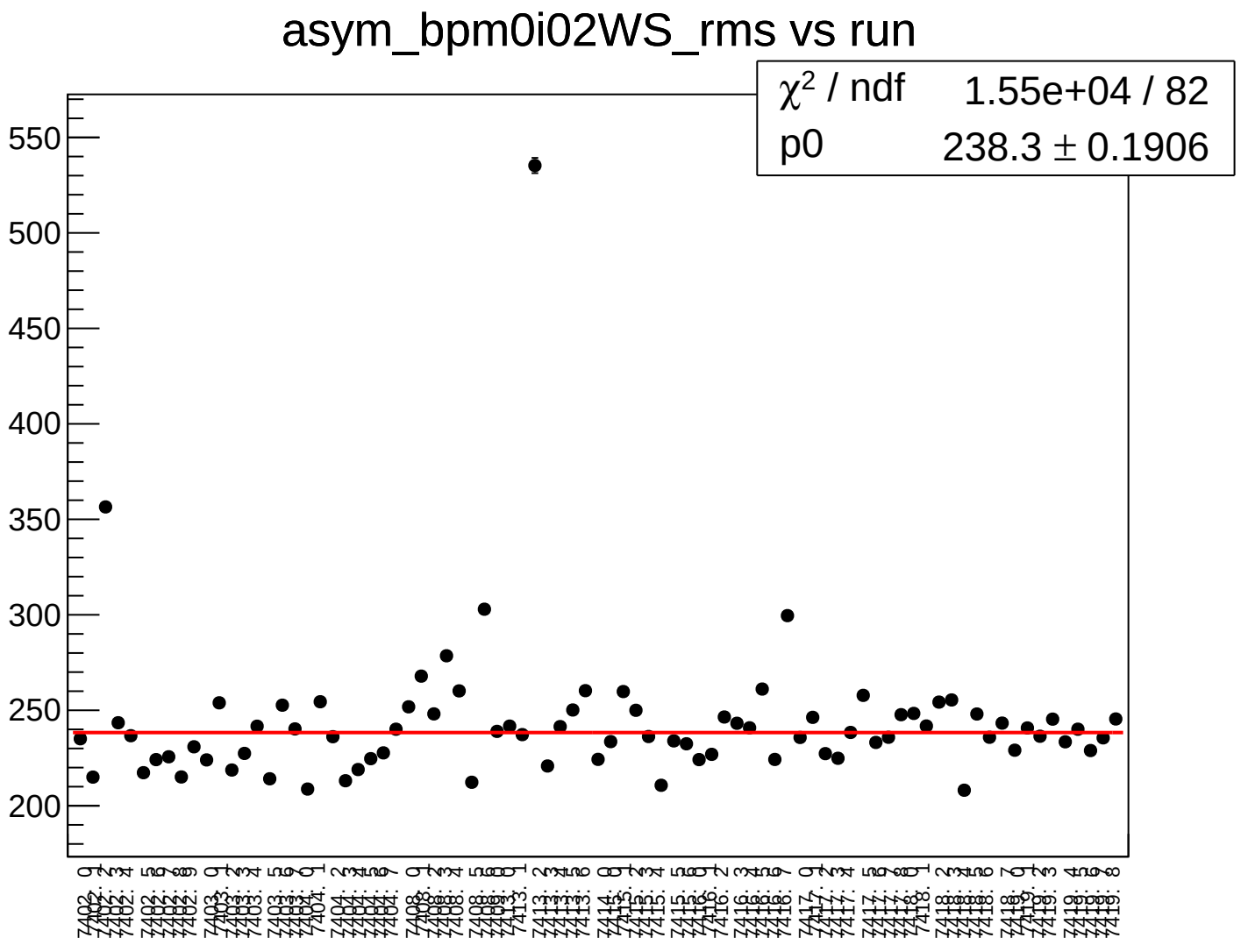

asym_bpm0r05WS_mean vs run
χ² / ndf 96.95 / 82
p0 513.2 ± 511.5
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 111.9
Std Dev 0
3
2
1
0
−1
−2

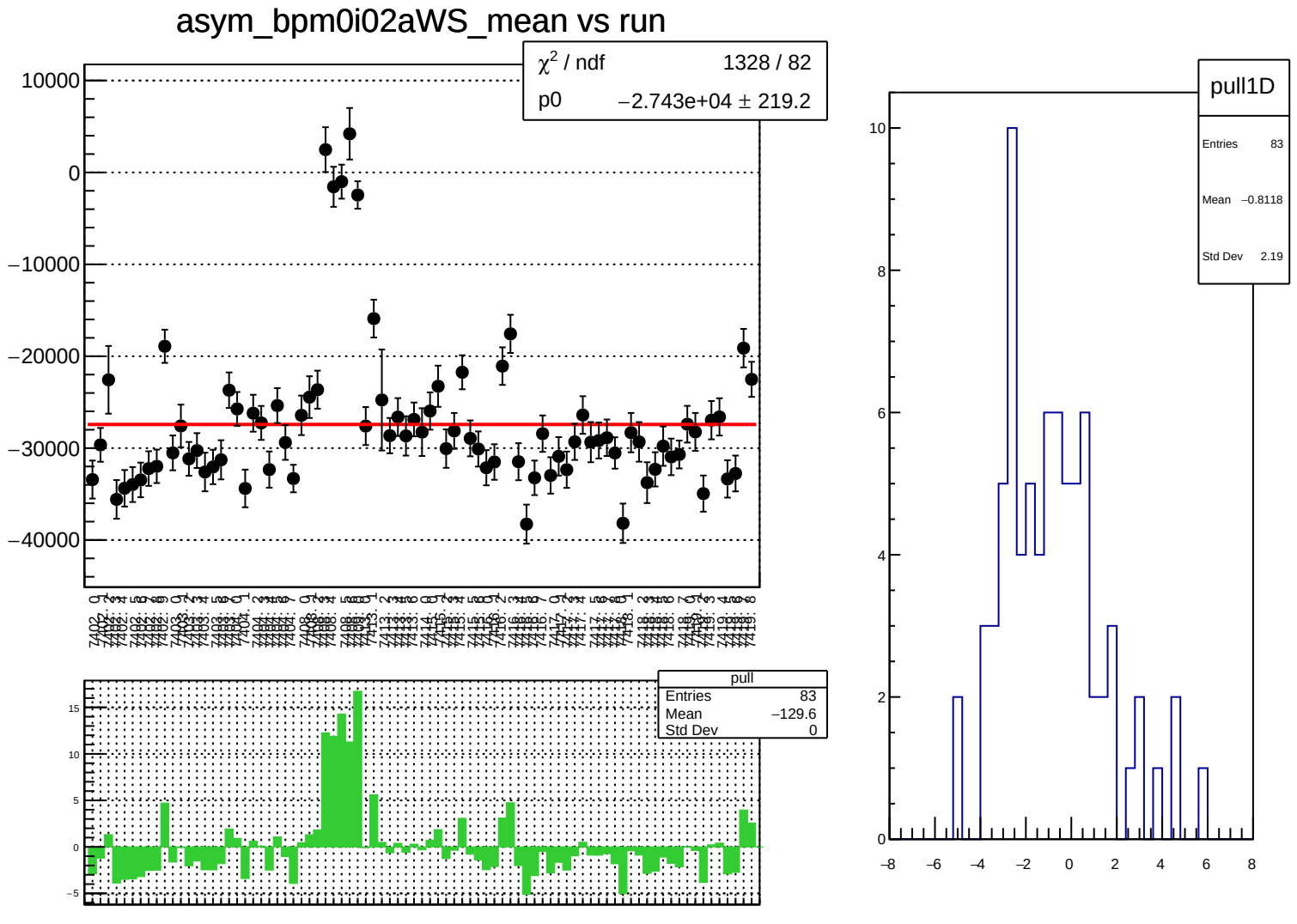

pull1D
Entries 83
Mean 0.01225
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

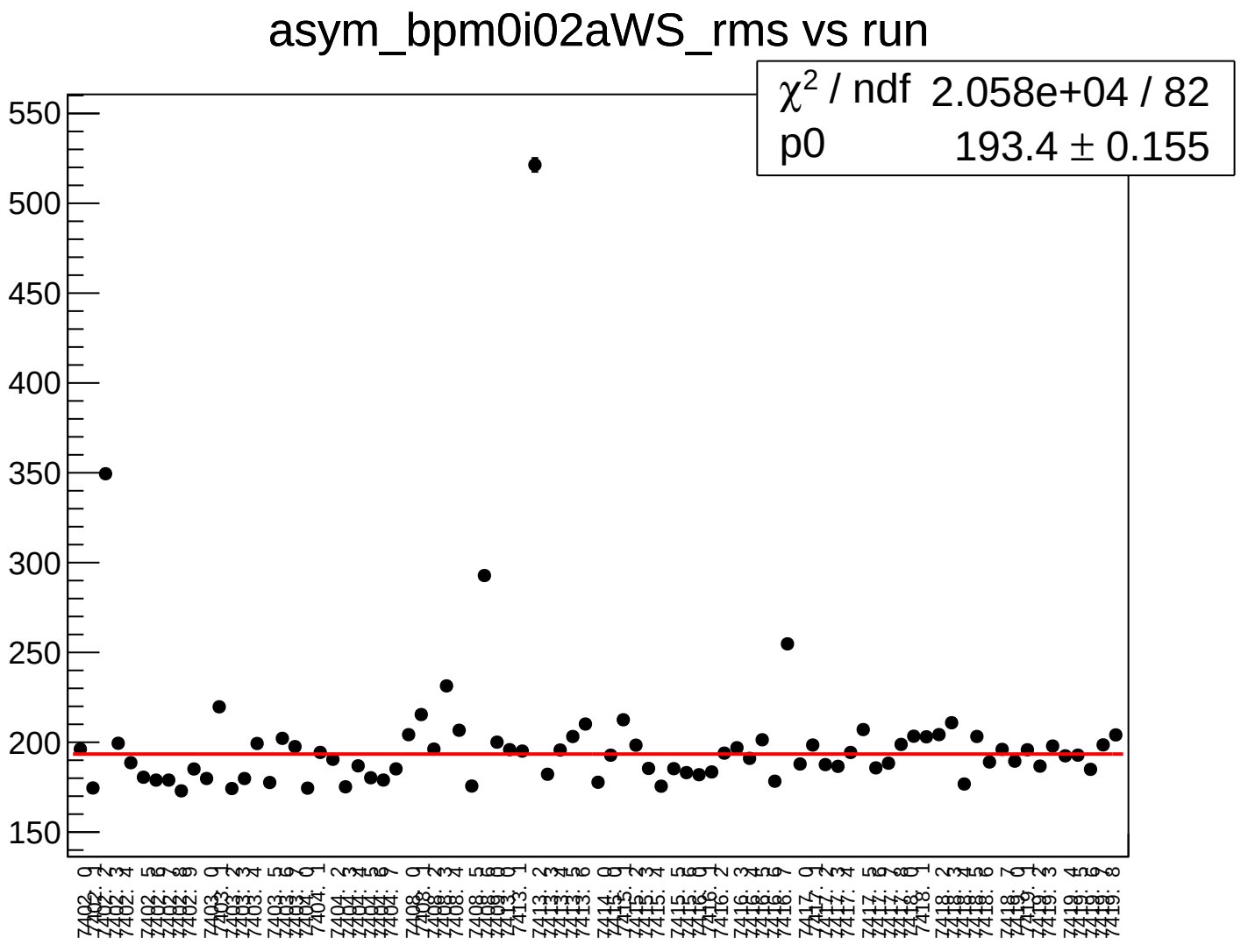

asym_bpm0r05WS_rms vs run
χ² / ndf 1.615e+04 / 82
p0 452.1 ± 0.3617
750
700
650
600
550
500
450
400
350

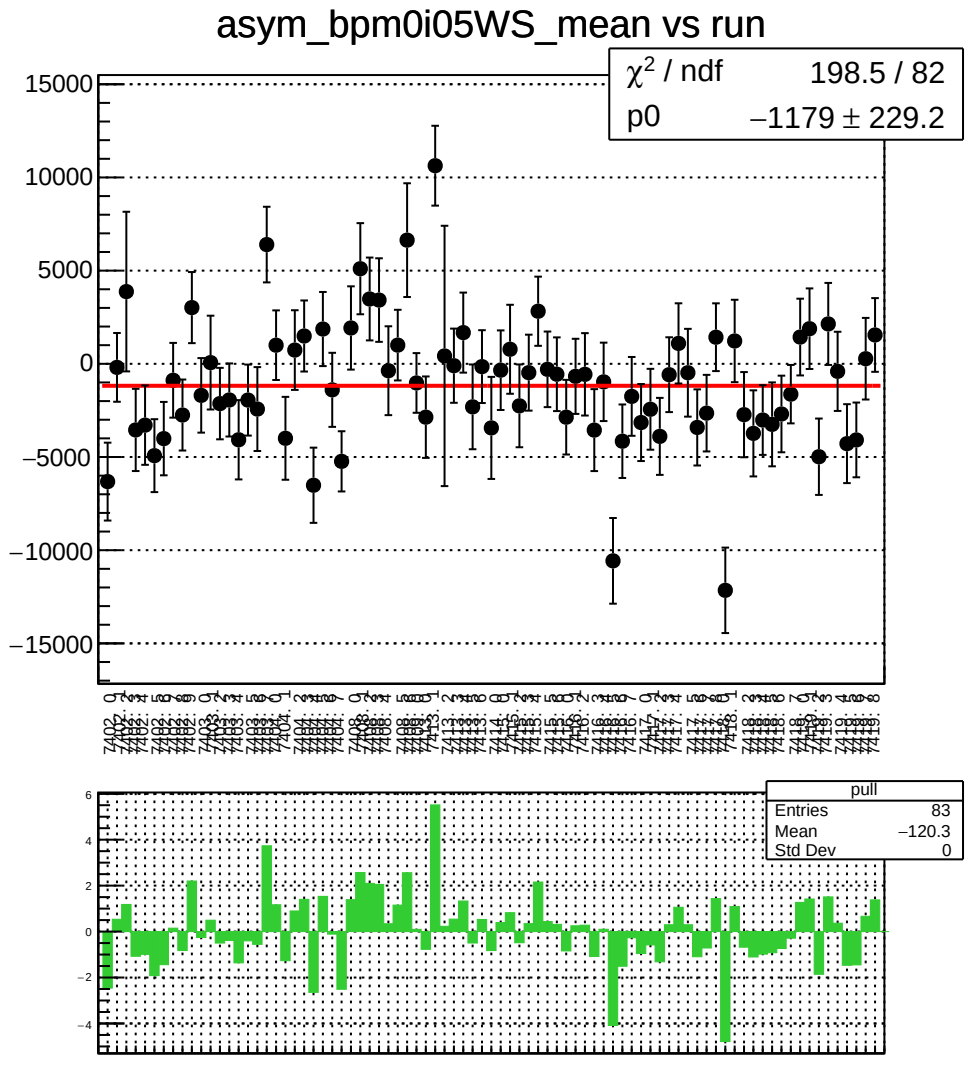

asym_bpm0i02WS_mean vs run
χ² / ndf 1131 / 82
p0 −1.503e+04 ± 269.6
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 83
Mean −30.78
Std Dev 0
15
10
5
0
−5

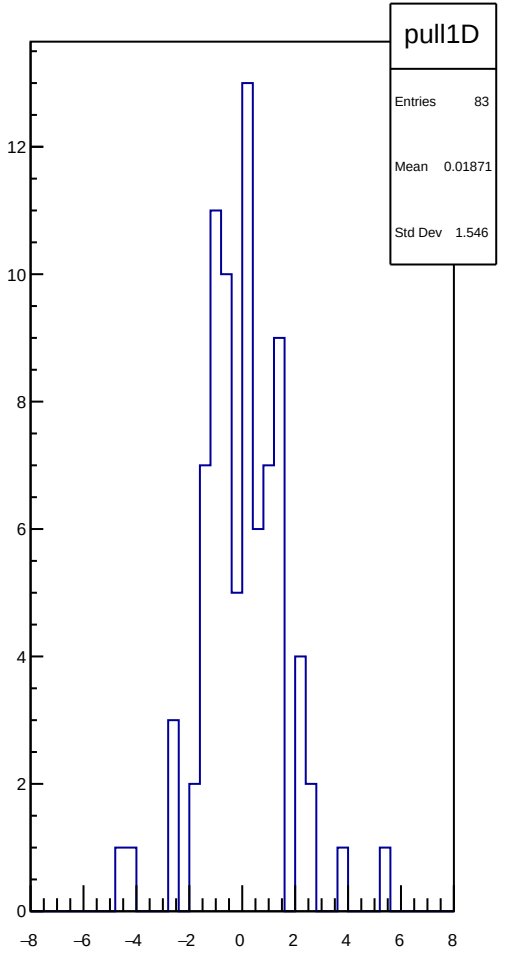

pull1D
Entries 83
Mean −0.7965
Std Dev 2.305
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

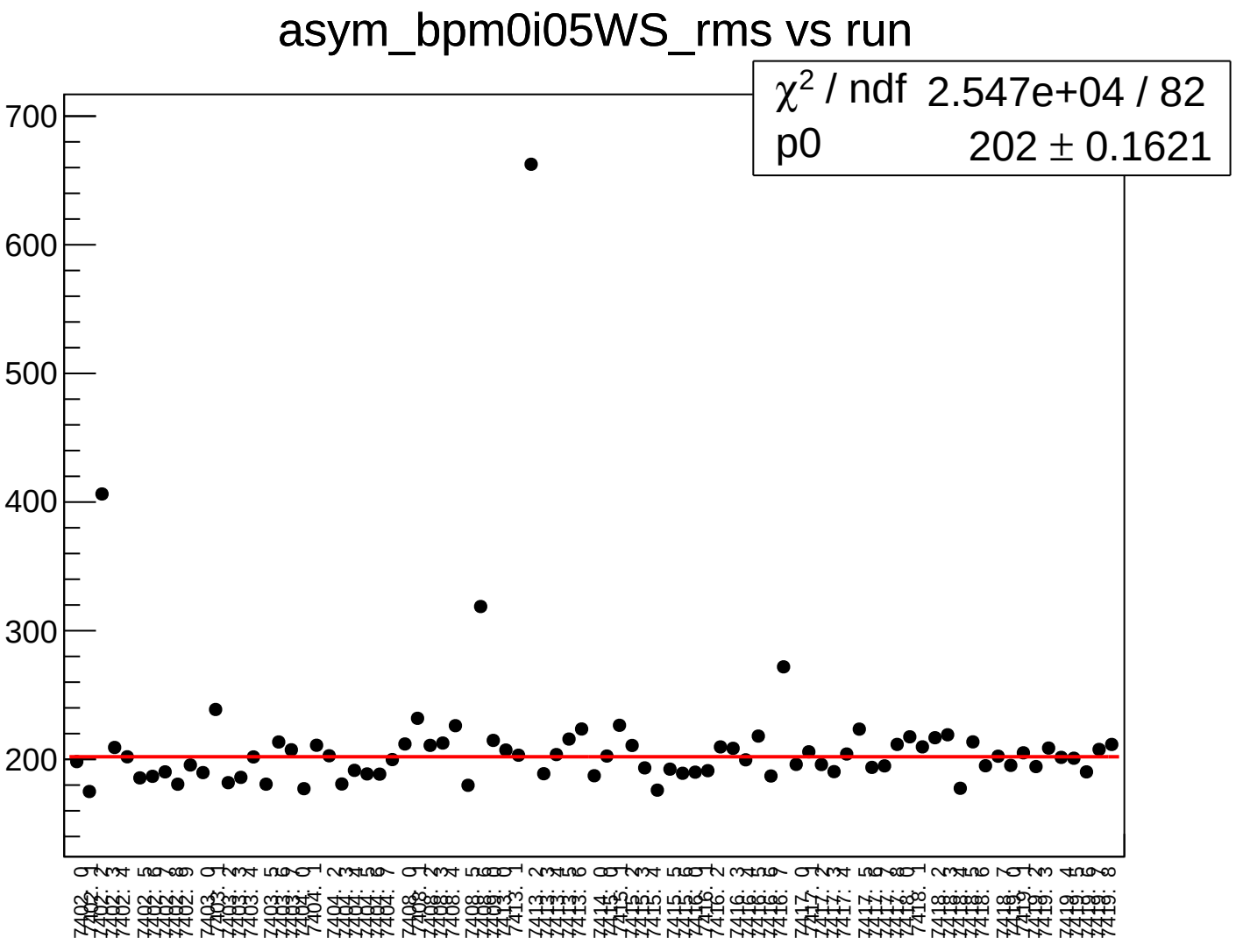

asym_bpm0i02WS_rms vs run
χ^2 / ndf 1.55e+04 / 82
p0 238.3 ± 0.1906
550
500
450
400
350
300
250
200

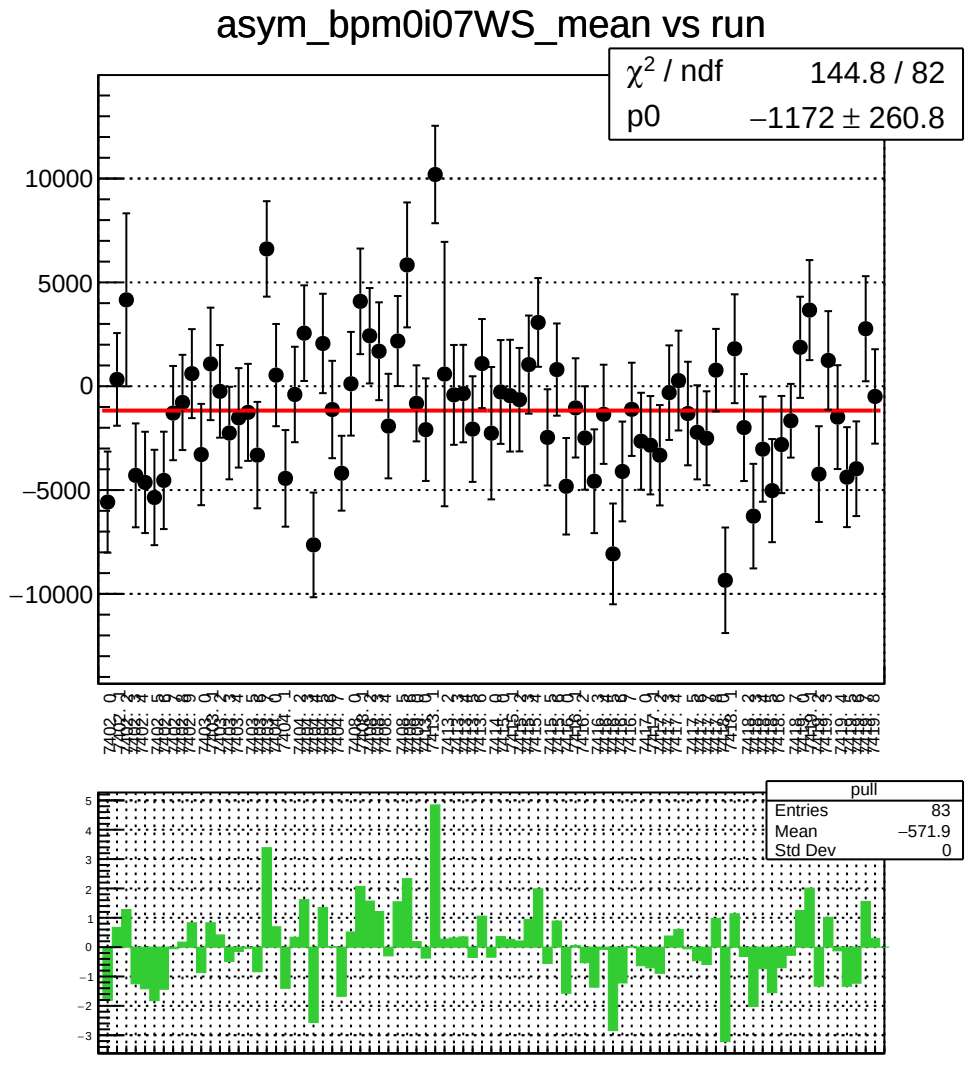

asym_bpm0i02aWS_mean vs run
χ² / ndf 1328 / 82
p0 −2.743e+04 ± 219.2
pull
Entries 83
Mean −129.6
Std Dev 0
pull1D
Entries 83
Mean −0.8118
Std Dev 2.19

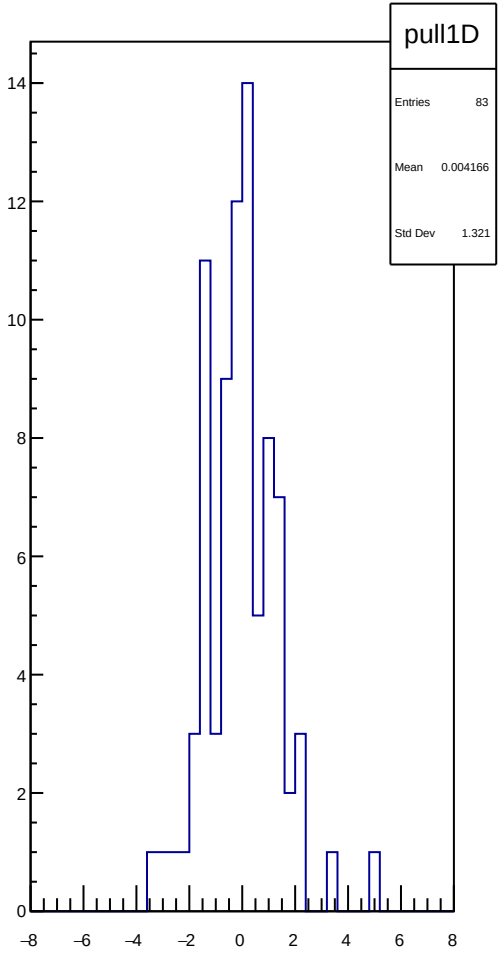

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.058e+04 / 82
p0 193.4 ± 0.155
550
500
450
400
350
300
250
200
150

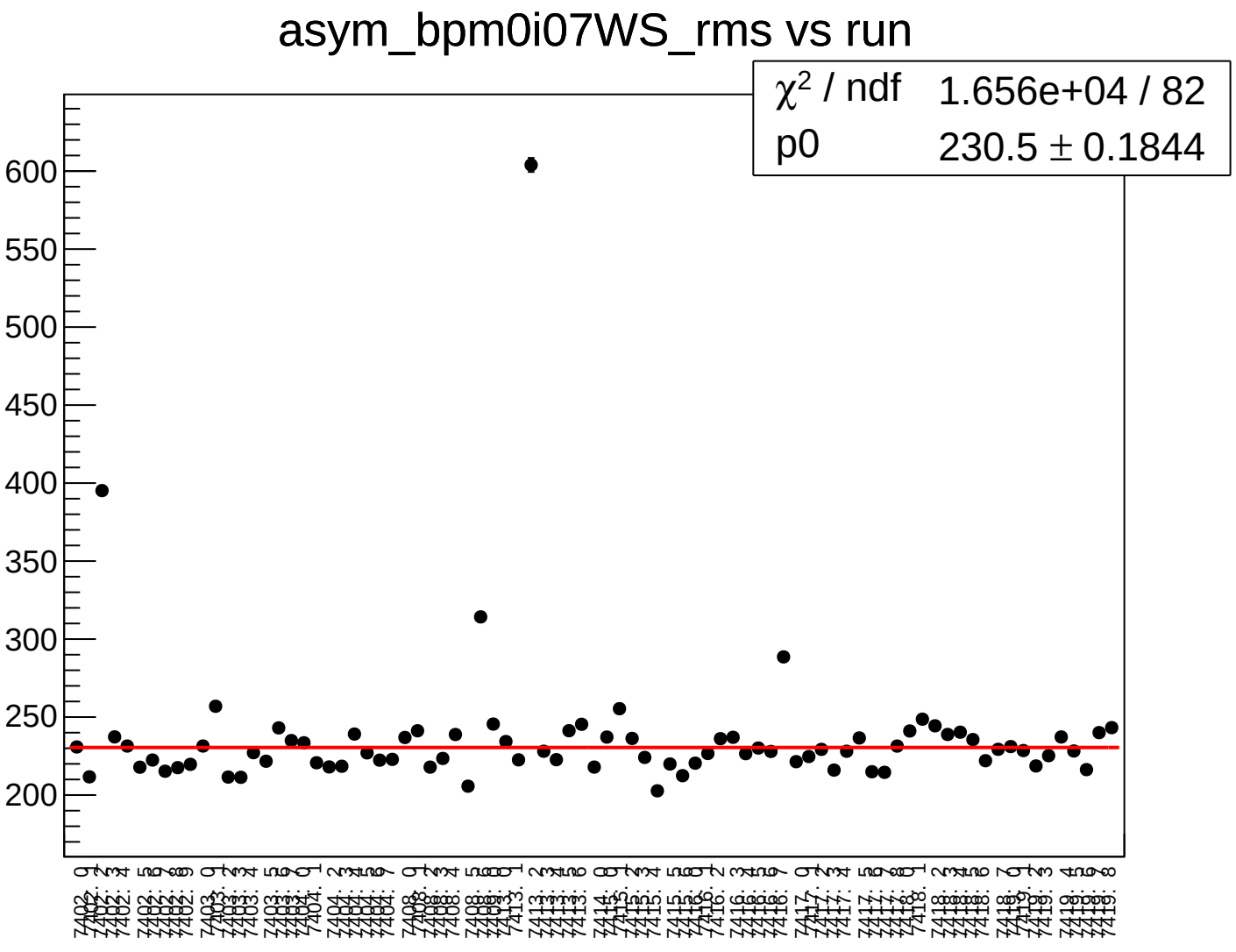

asym_bpm0i05WS_mean vs run
χ² / ndf 198.5 / 82
p0 −1179 ± 229.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −120.3
Std Dev 0
6
4
2
0
−2
−4

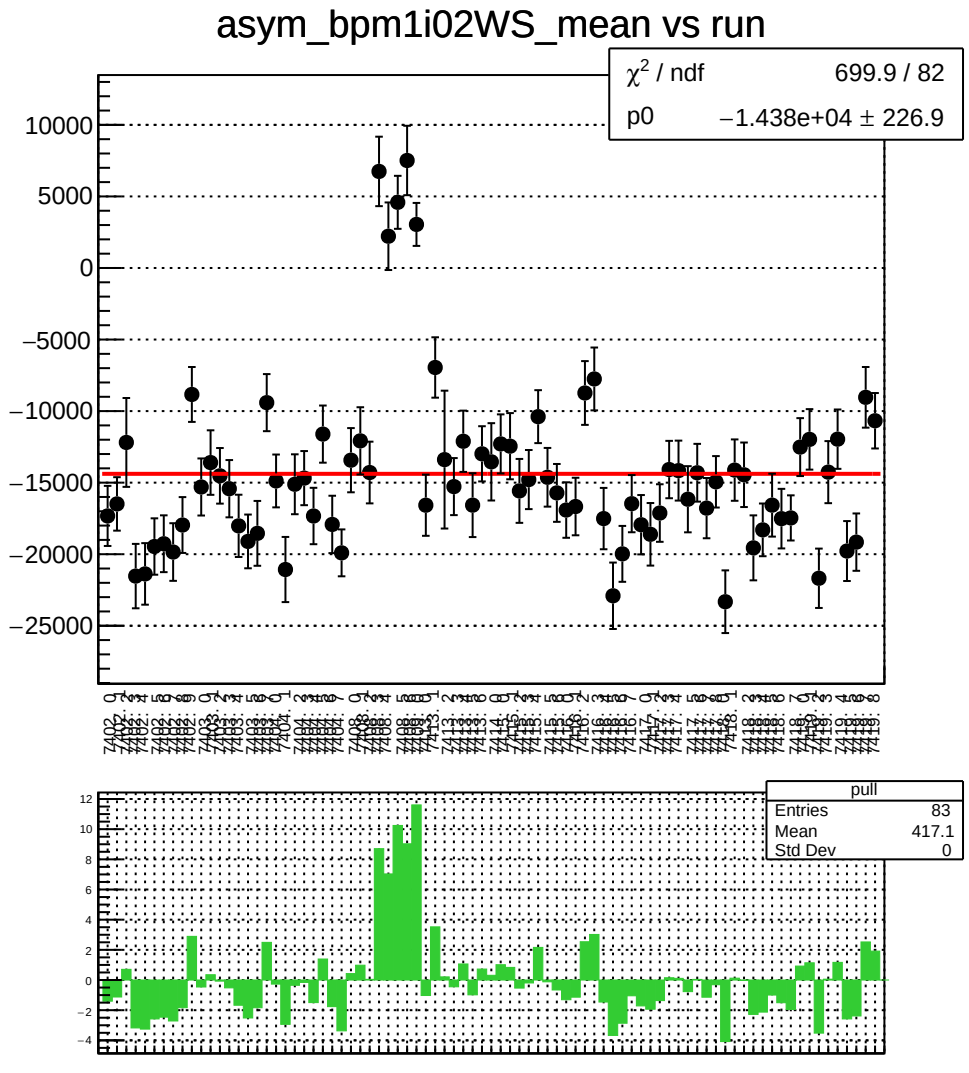

pull1D
Entries 83
Mean 0.01871
Std Dev 1.546
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

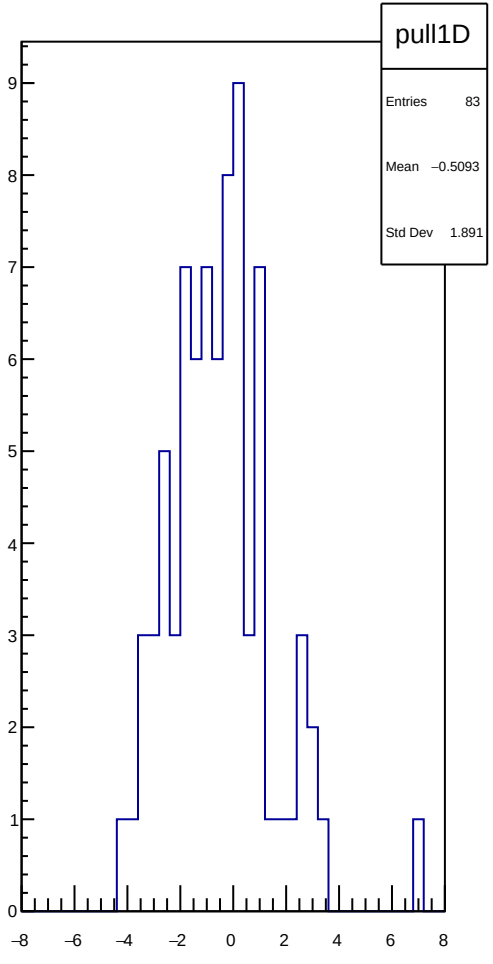

asym_bpm0i05WS_rms vs run
χ^2 / ndf 2.547e+04 / 82
p0 202 ± 0.1621
700
600
500
400
300
200

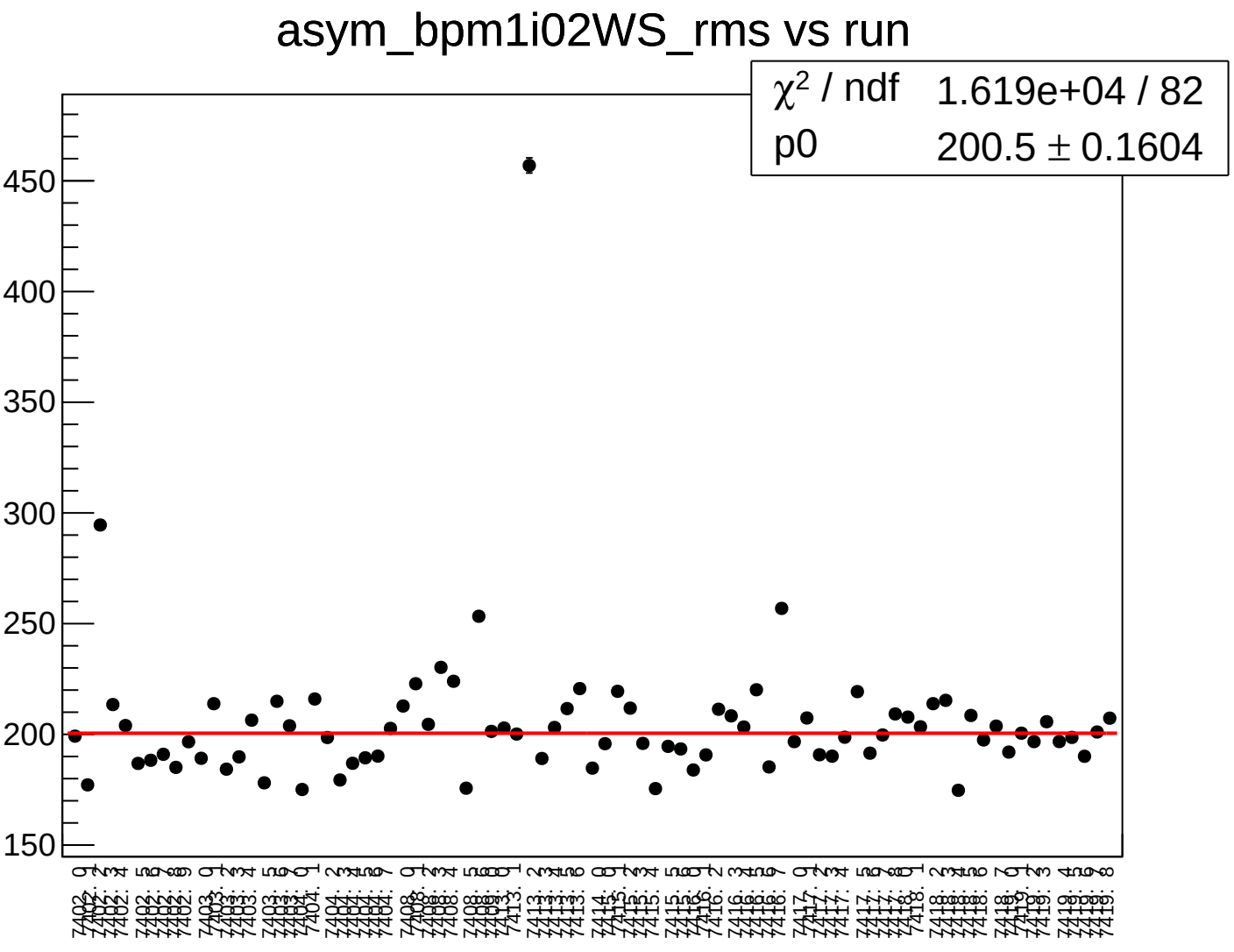

asym_bpm0i07WS_mean vs run
χ² / ndf 144.8 / 82
p0 −1172 ± 260.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −571.9
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

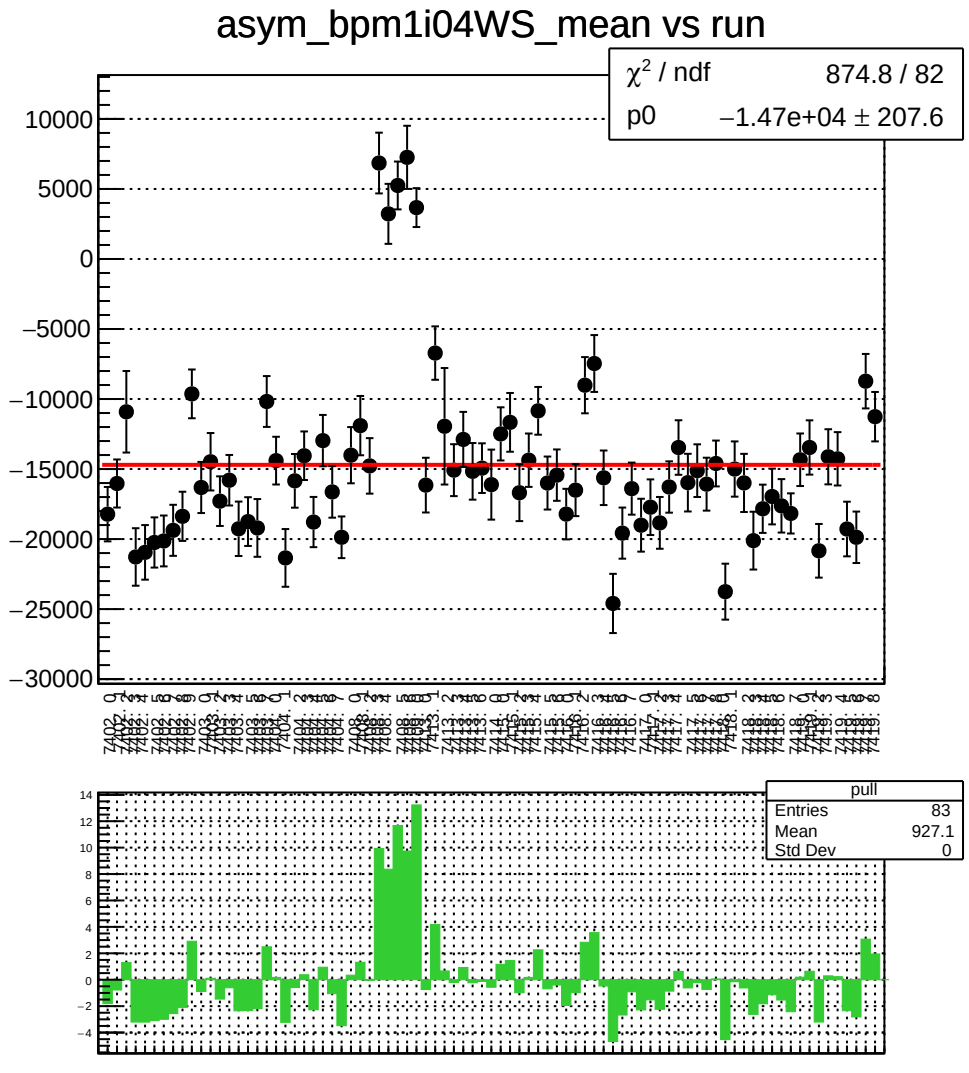

pull1D
Entries 83
Mean 0.004166
Std Dev 1.321
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

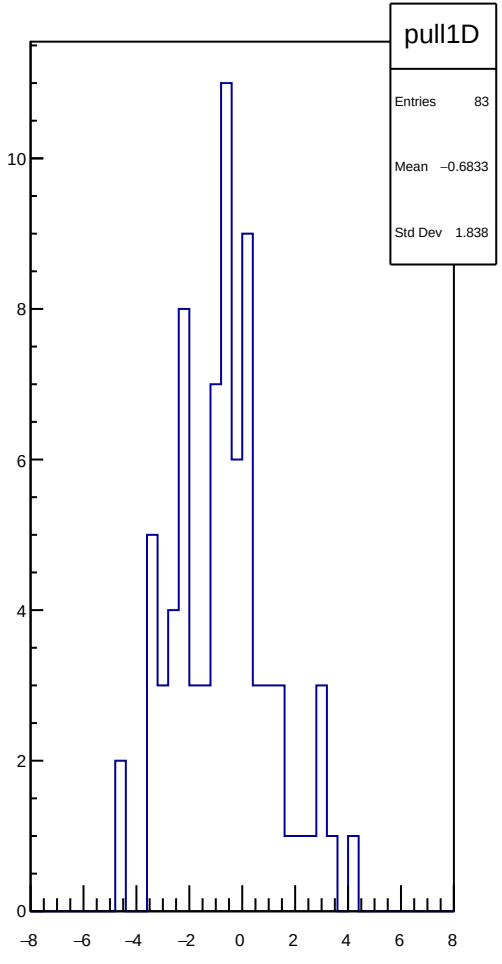

asym_bpm0i07WS_rms vs run
χ^2 / ndf 1.656e+04 / 82
p0 230.5 ± 0.1844
600
550
500
450
400
350
300
250
200

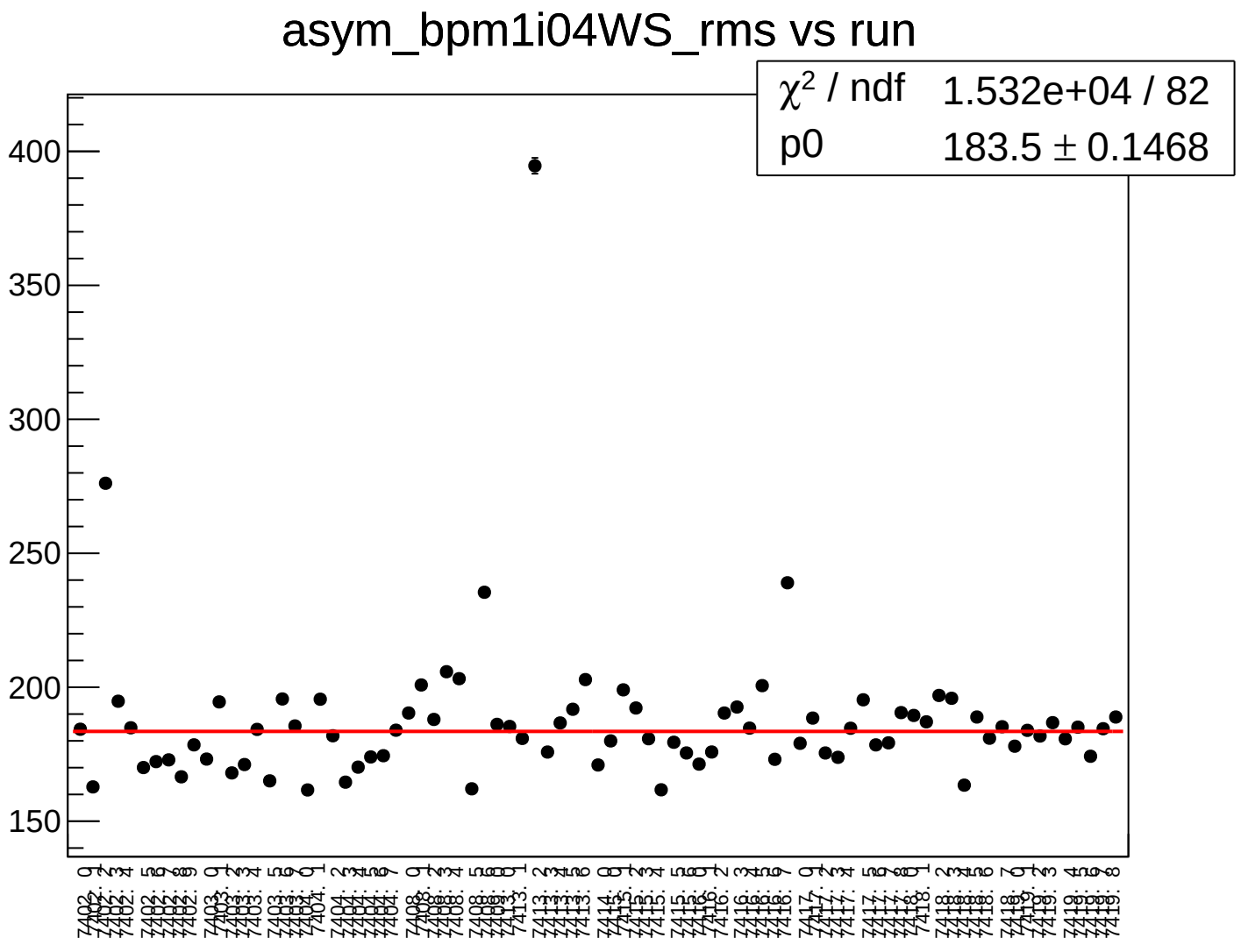

asym_bpm1i02WS_mean vs run
χ² / ndf 699.9 / 82
p0 −1.438e+04 ± 226.9
pull
Entries 83
Mean 417.1
Std Dev 0

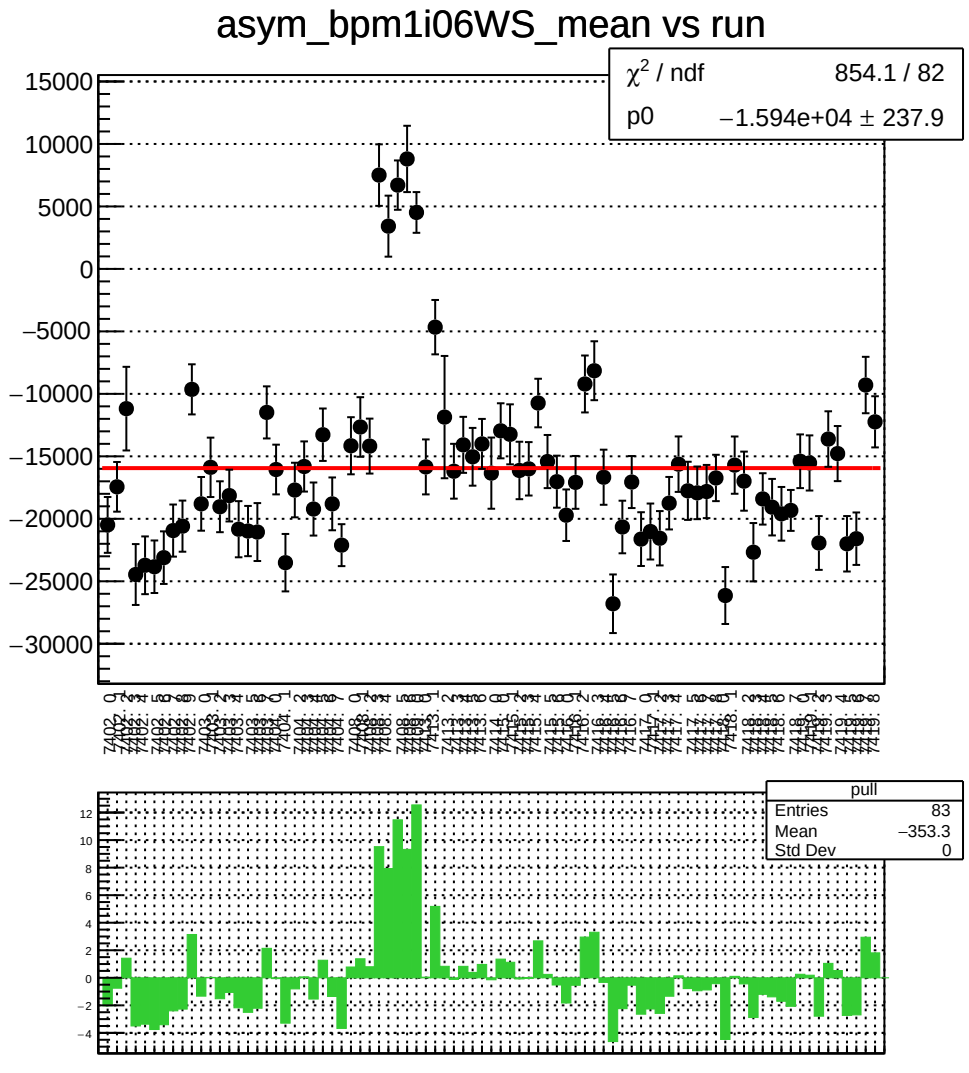

pull1D
Entries 83
Mean −0.5093
Std Dev 1.891

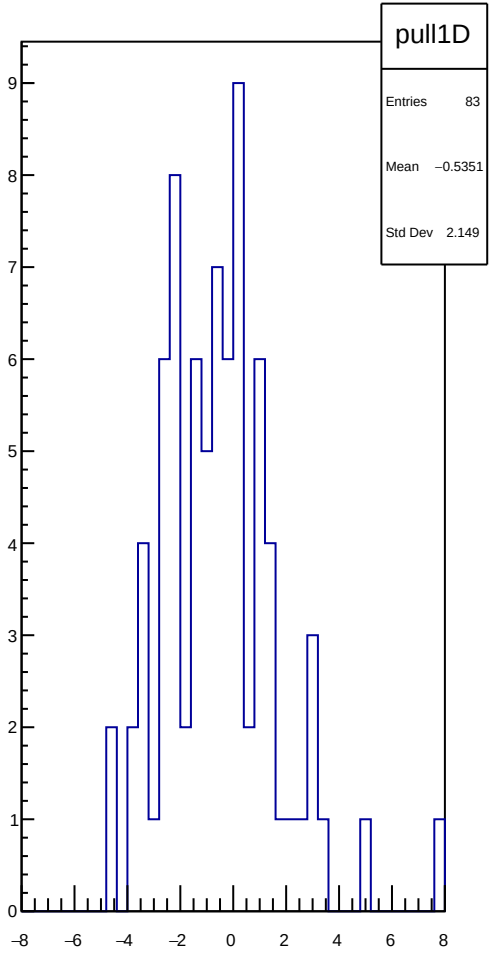

asym_bpm1i02WS_rms vs run
χ^2 / ndf 1.619e+04 / 82
p0 200.5 ± 0.1604
450
400
350
300
250
200
150

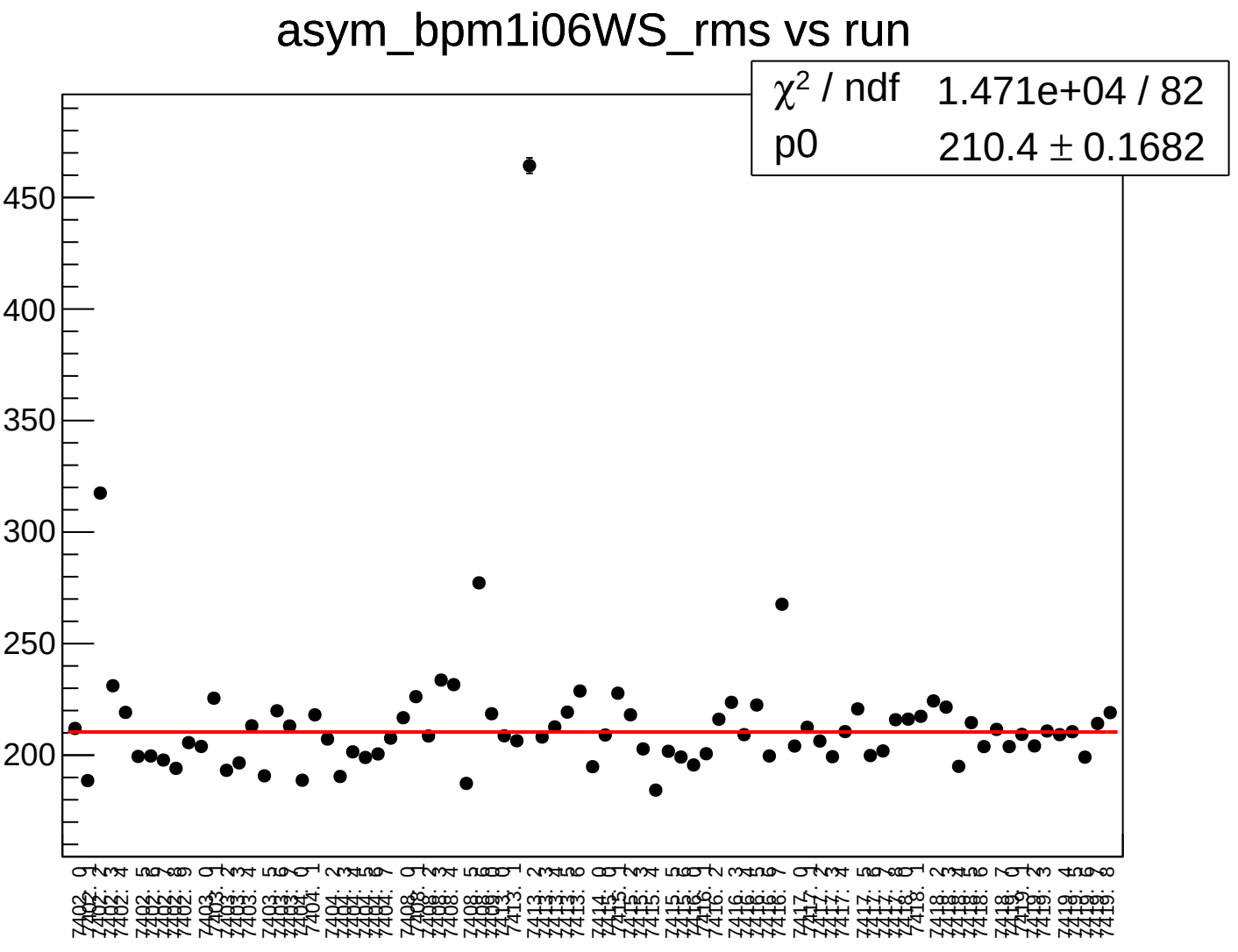

asym_bpm1i04WS_mean vs run
χ² / ndf 874.8 / 82
p0 −1.47e+04 ± 207.6
pull
Entries 83
Mean 927.1
Std Dev 0

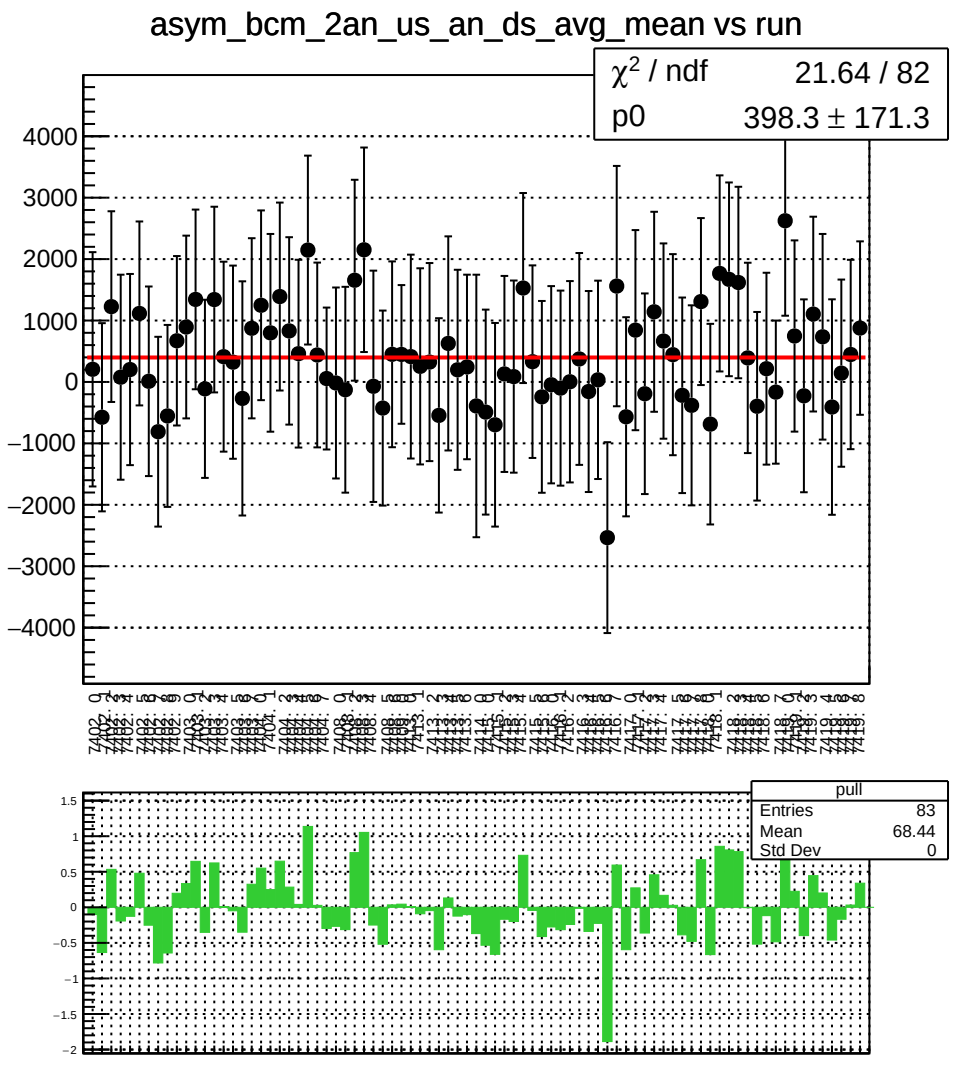

pull1D
Entries 83
Mean −0.6833
Std Dev 1.838

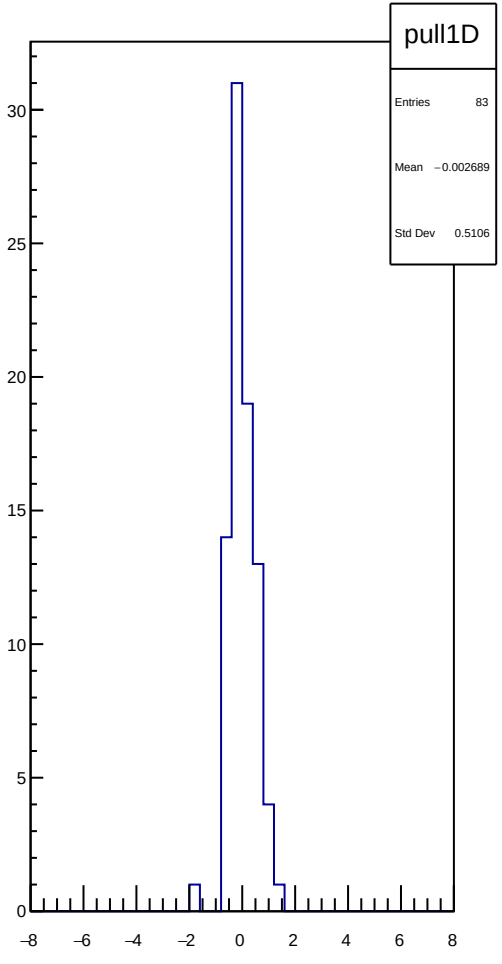

asym_bpm1i04WS_rms vs run
χ² / ndf 1.532e+04 / 82
p0 183.5 ± 0.1468
400
350
300
250
200
150

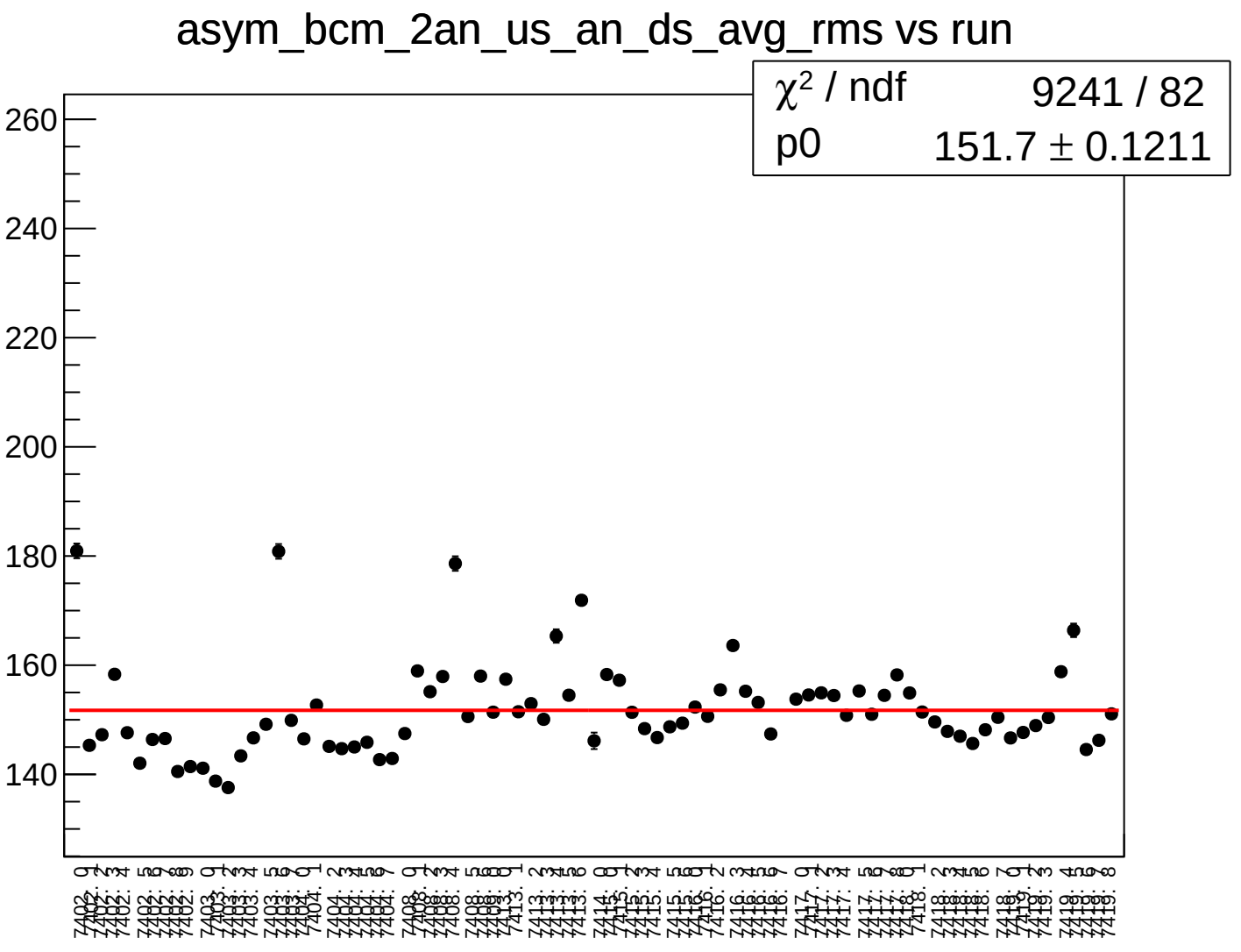

asym_bpm1i06WS_mean vs run
χ² / ndf 854.1 / 82
p0 −1.594e+04 ± 237.9
pull
Entries 83
Mean −353.3
Std Dev 0

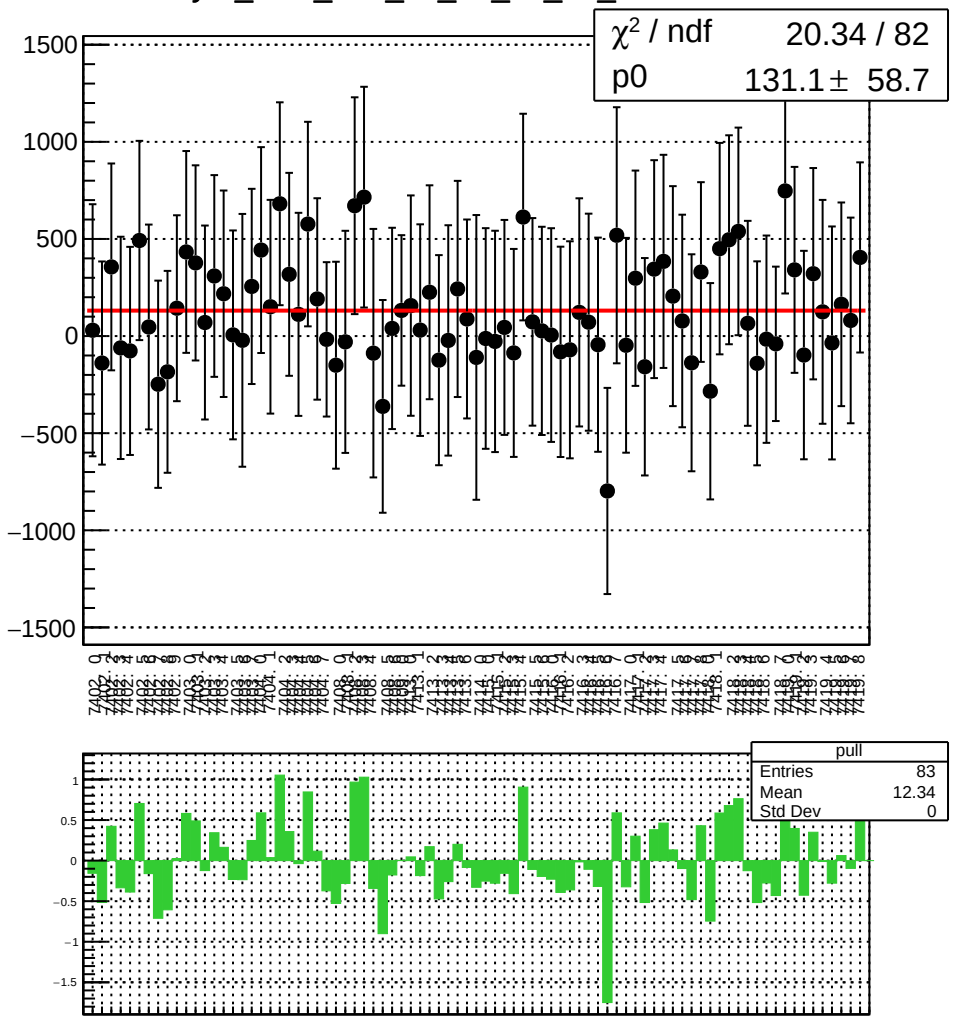

pull1D
Entries 83
Mean −0.5351
Std Dev 2.149

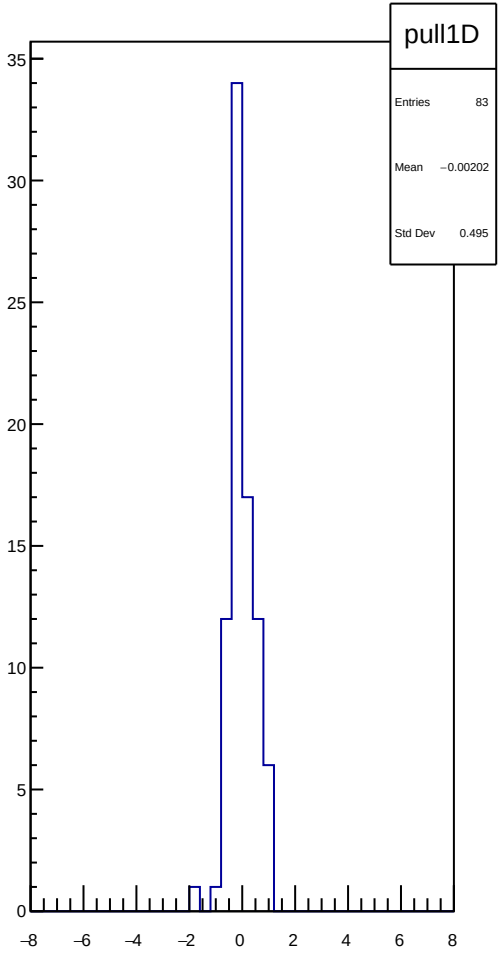

asym_bpm1i06WS_rms vs run
χ^2 / ndf 1.471e+04 / 82
p0 210.4 ± 0.1682
450
400
350
300
250
200

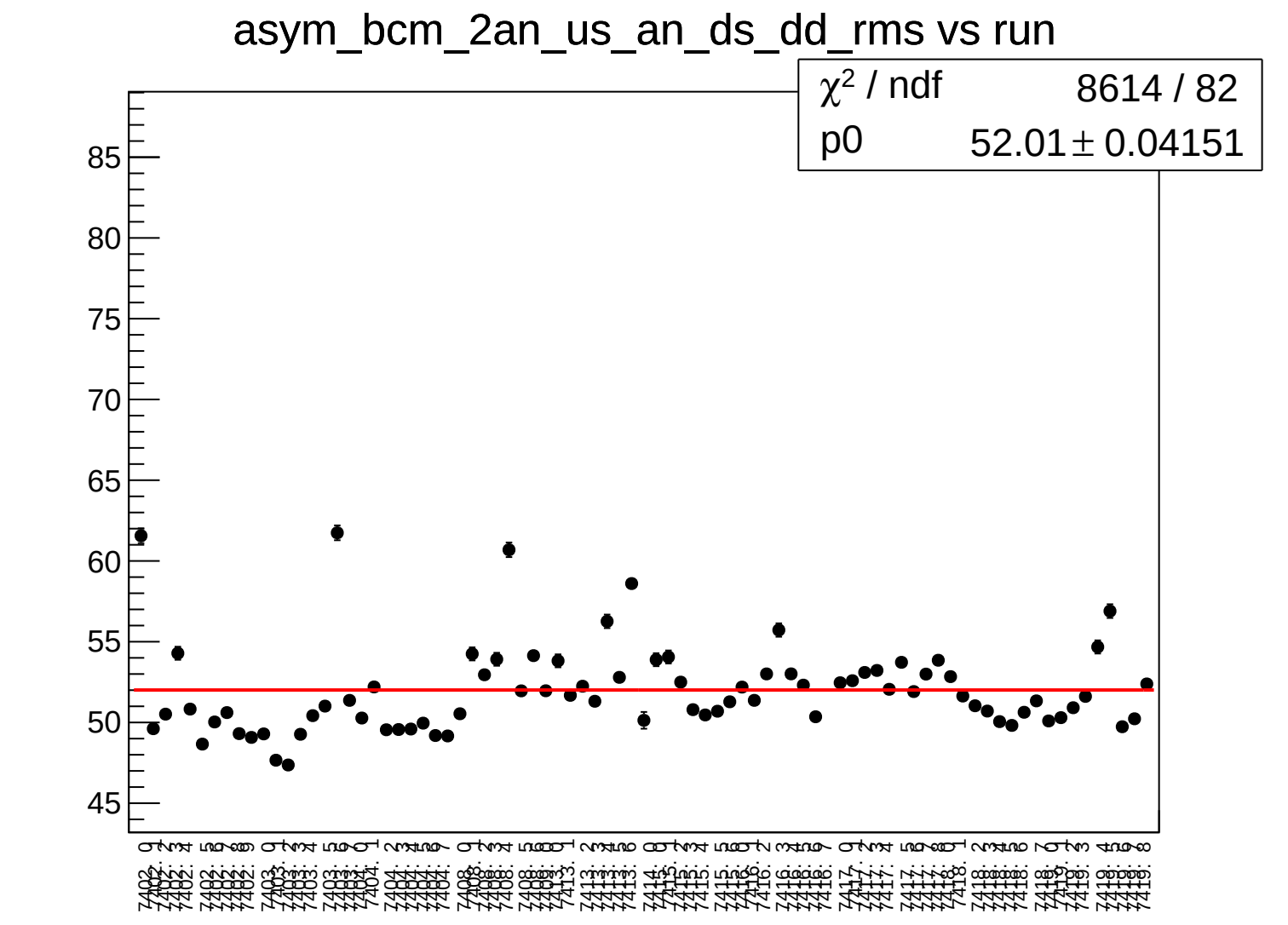

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 21.64 / 82
p0 398.3 ± 171.3
pull
Entries 83
Mean 68.44
Std Dev 0

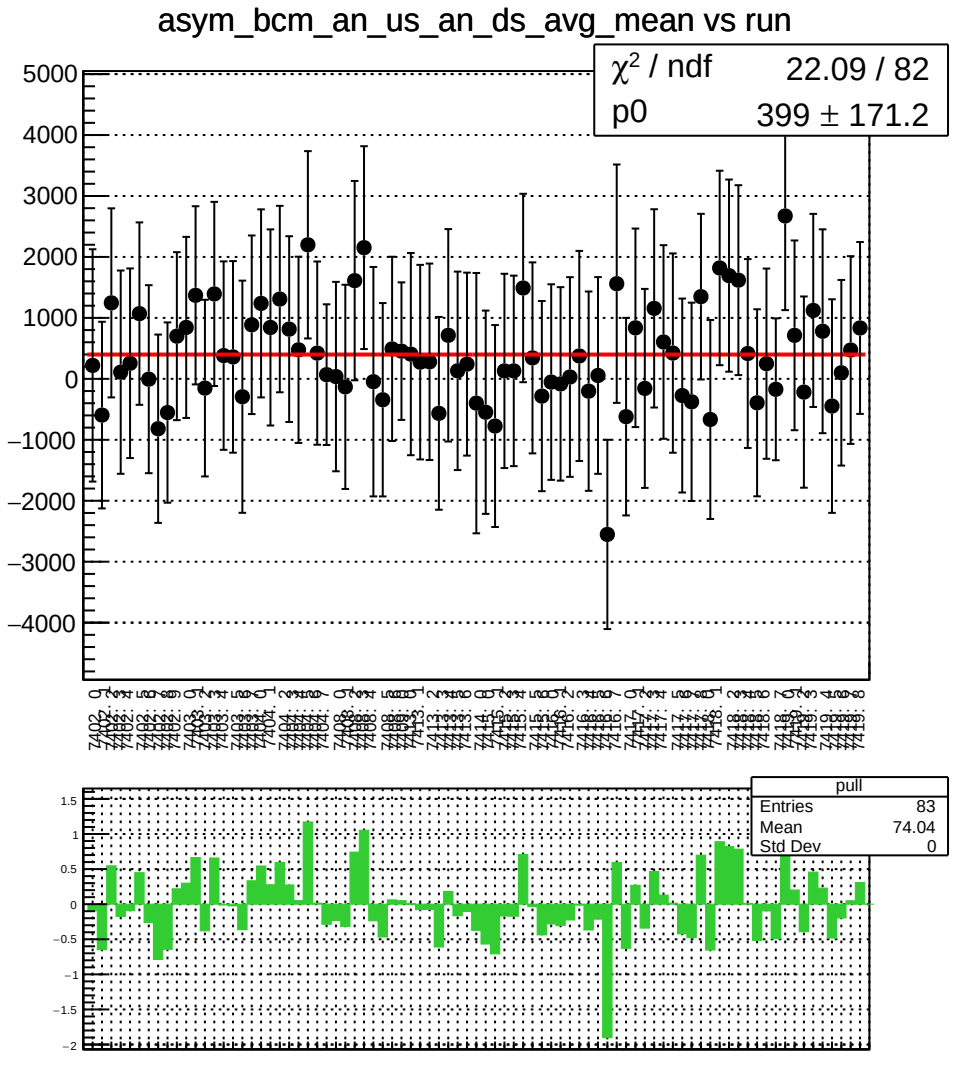

pull1D
Entries 83
Mean −0.002689
Std Dev 0.5106

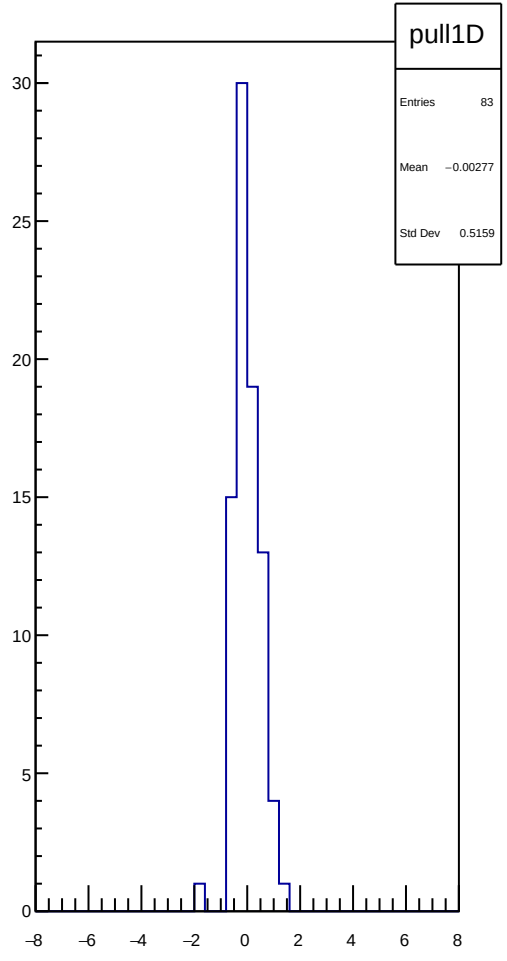

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 9241 / 82
p0 151.7 ± 0.1211
260
240
220
200
180
160
140

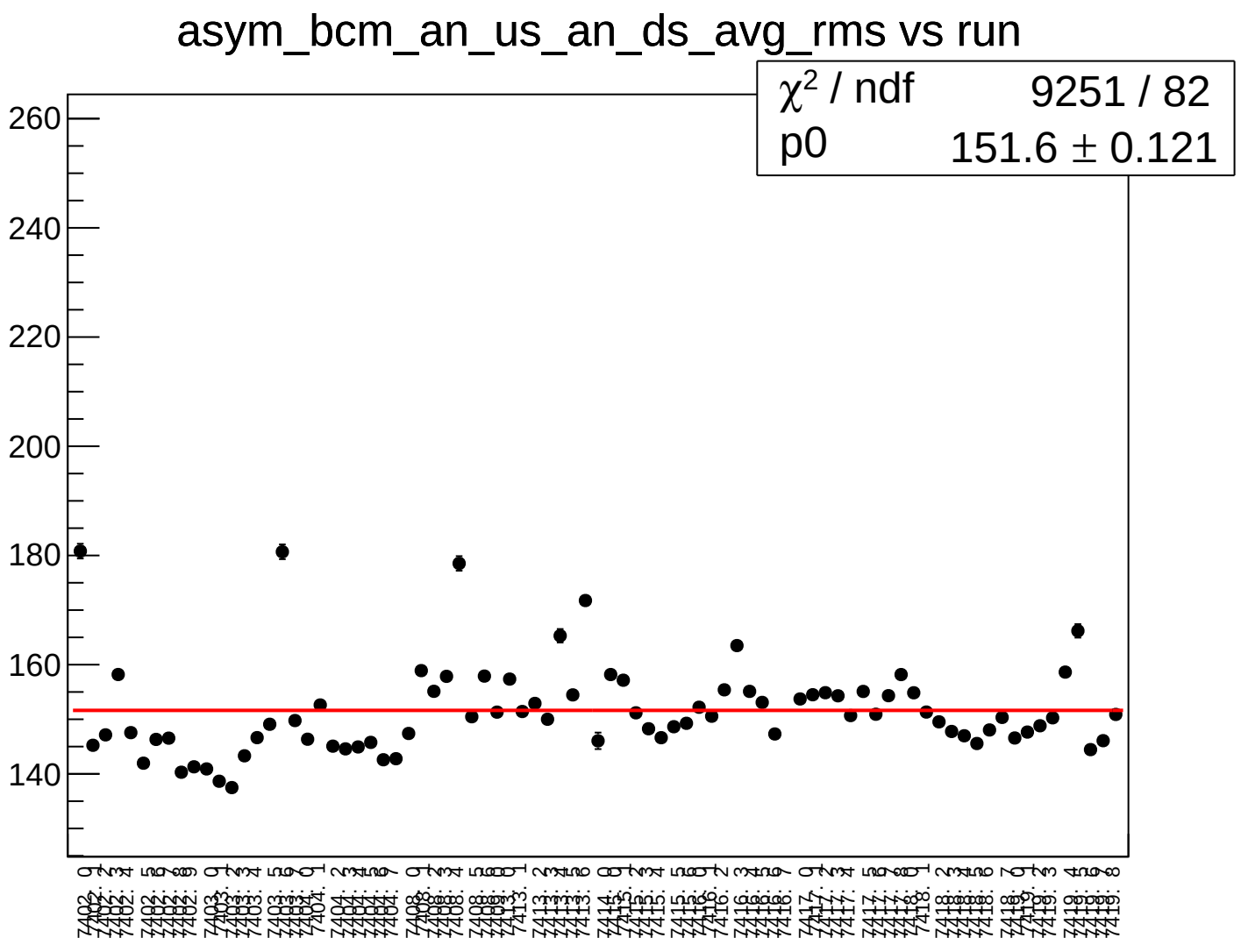

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 20.34 / 82
p0 131.1 ± 58.7
pull
Entries 83
Mean 12.34
Std Dev 0

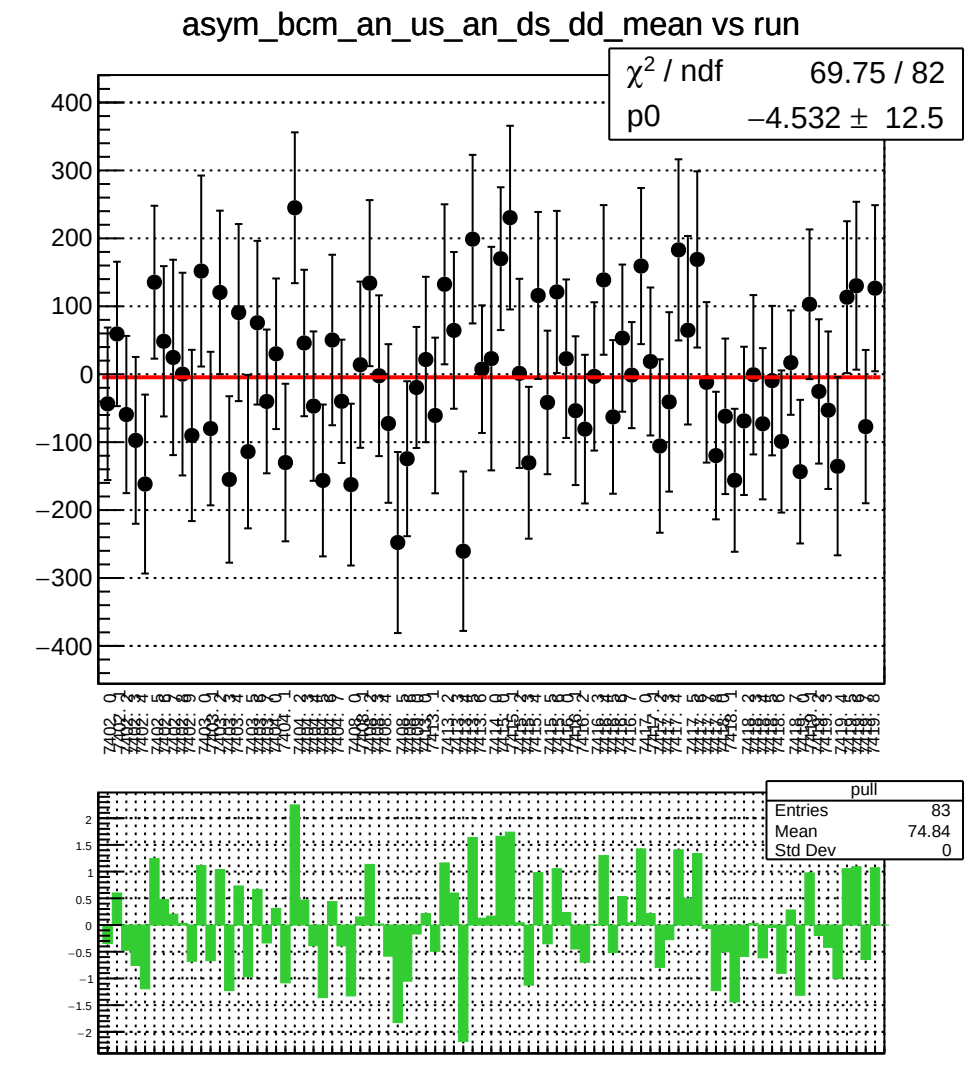

pull1D
Entries 83
Mean −0.00202
Std Dev 0.495

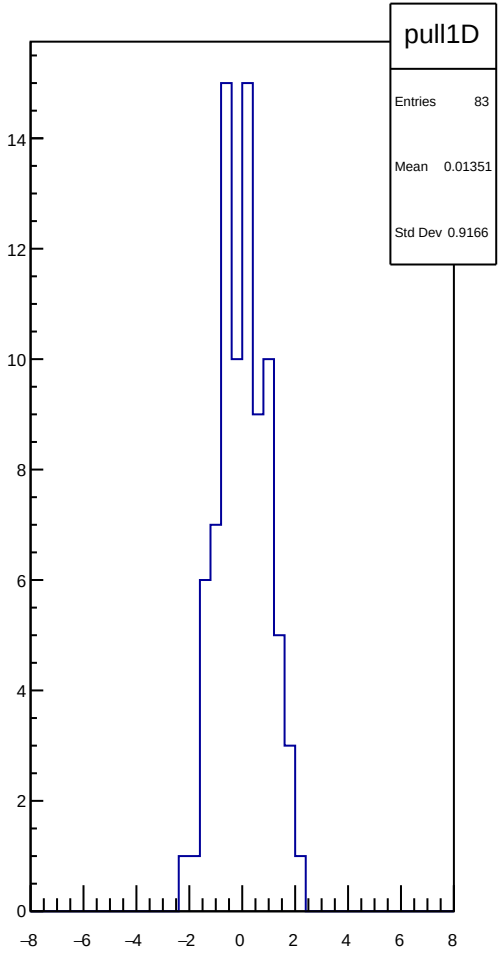

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 8614 / 82
p0 52.01 ± 0.04151
85
80
75
70
65
60
55
50
45


asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 22.09 / 82
p0 399 ± 171.2
pull
Entries 83
Mean 74.04
Std Dev 0

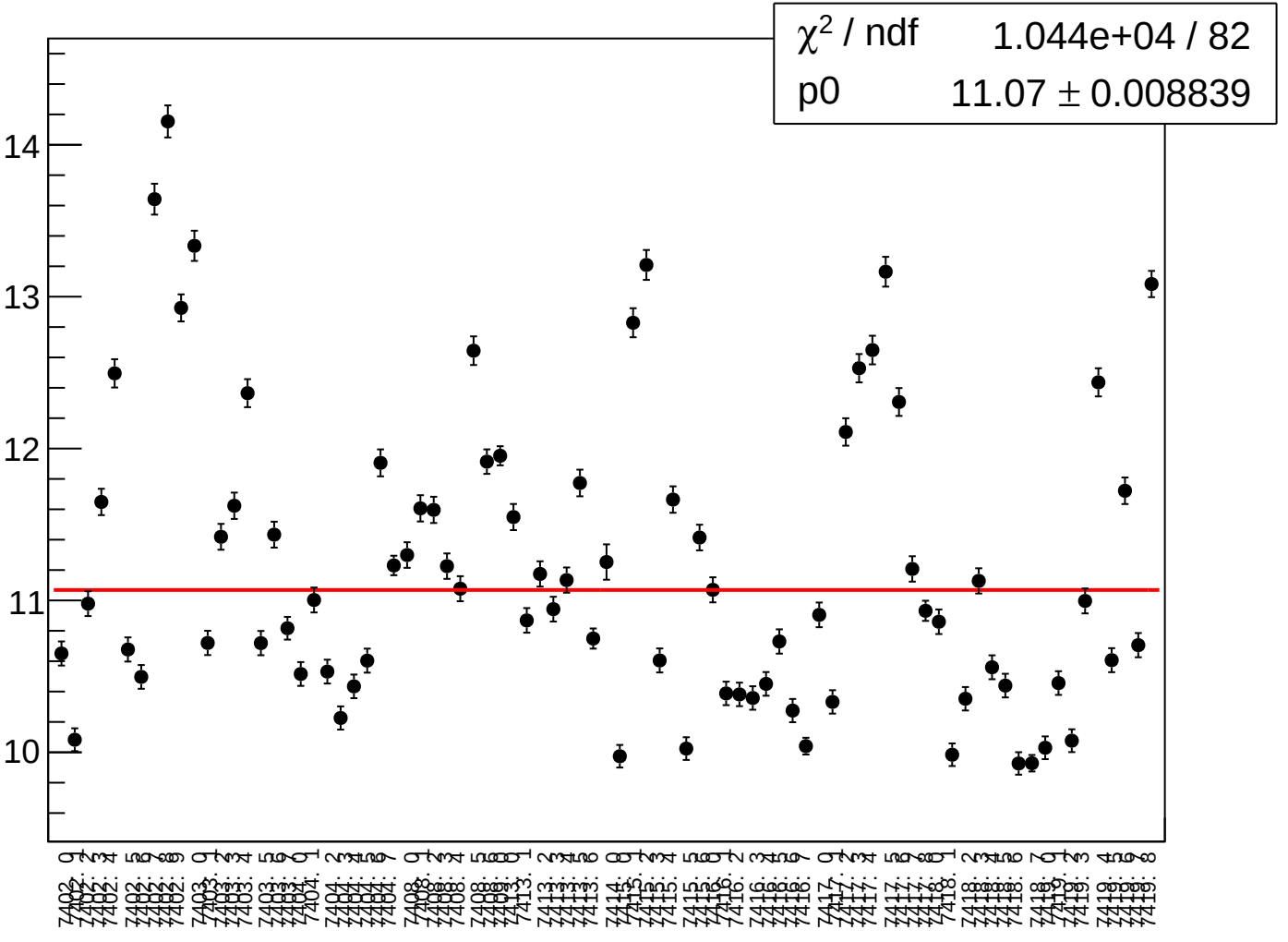

pull1D
Entries 83
Mean −0.00277
Std Dev 0.5159

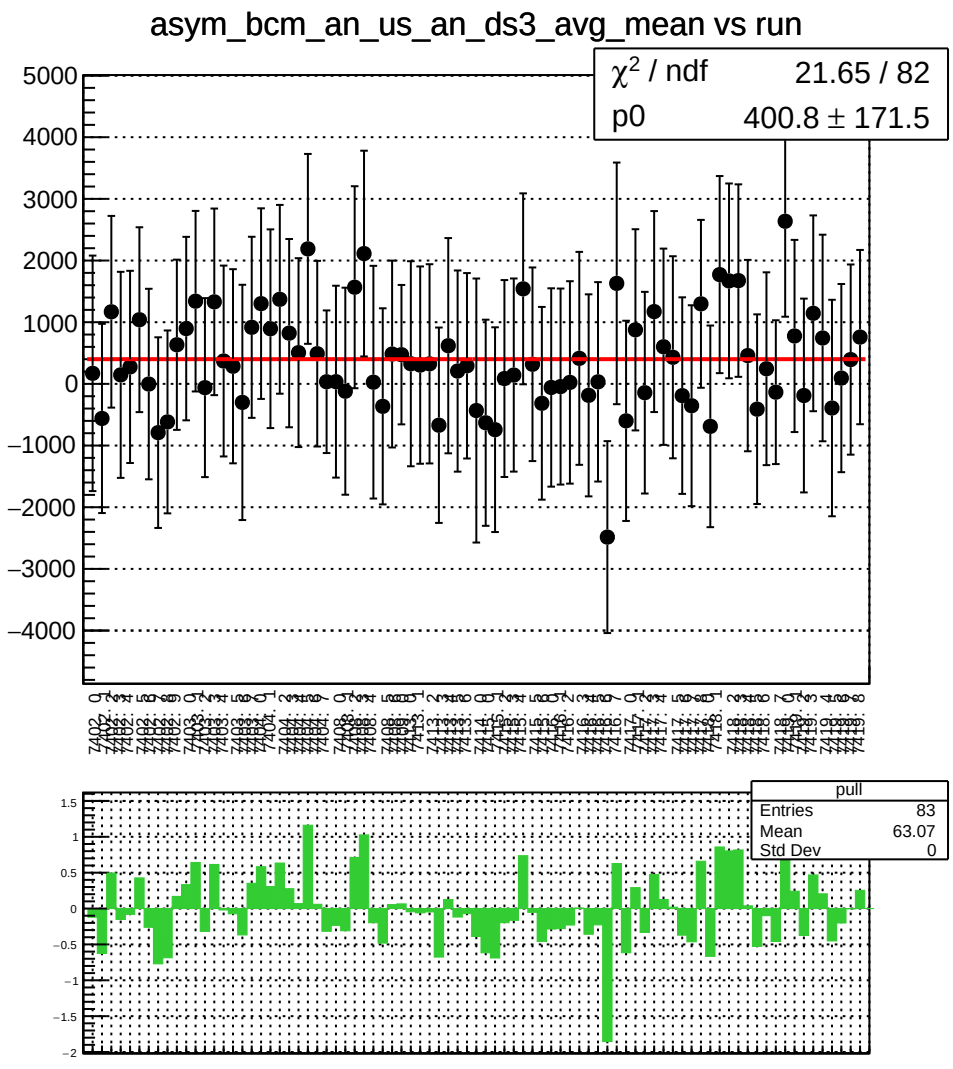

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 9251 / 82
p0 151.6 ± 0.121
260
240
220
200
180
160
140

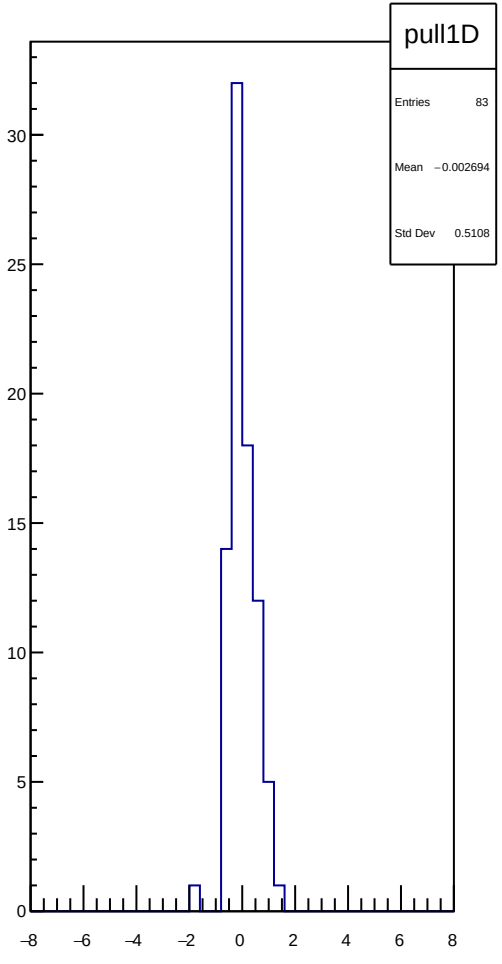

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 69.75 / 82
p0 −4.532 ± 12.5
pull
Entries 83
Mean 74.84
Std Dev 0

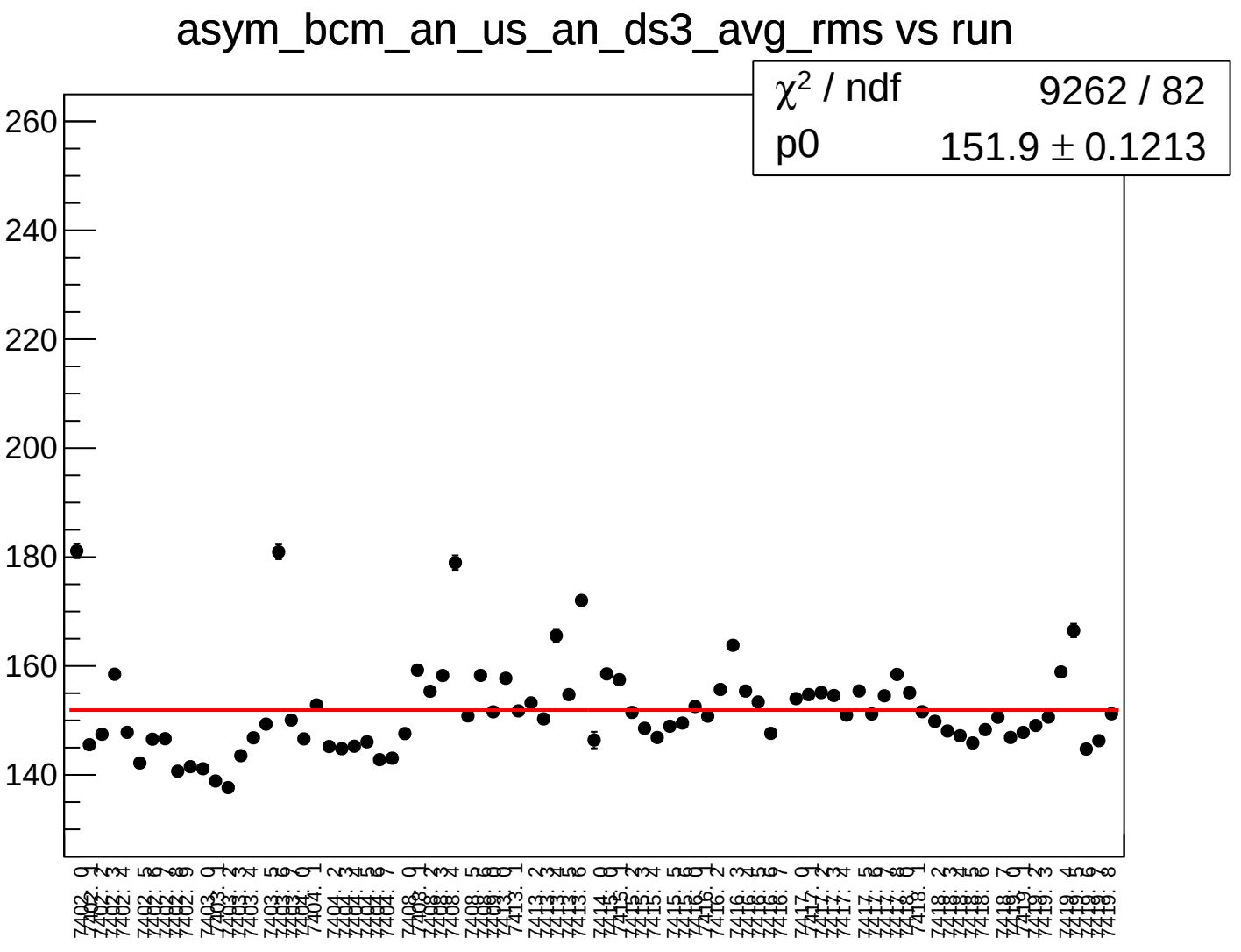

pull1D
Entries 83
Mean 0.01351
Std Dev 0.9166

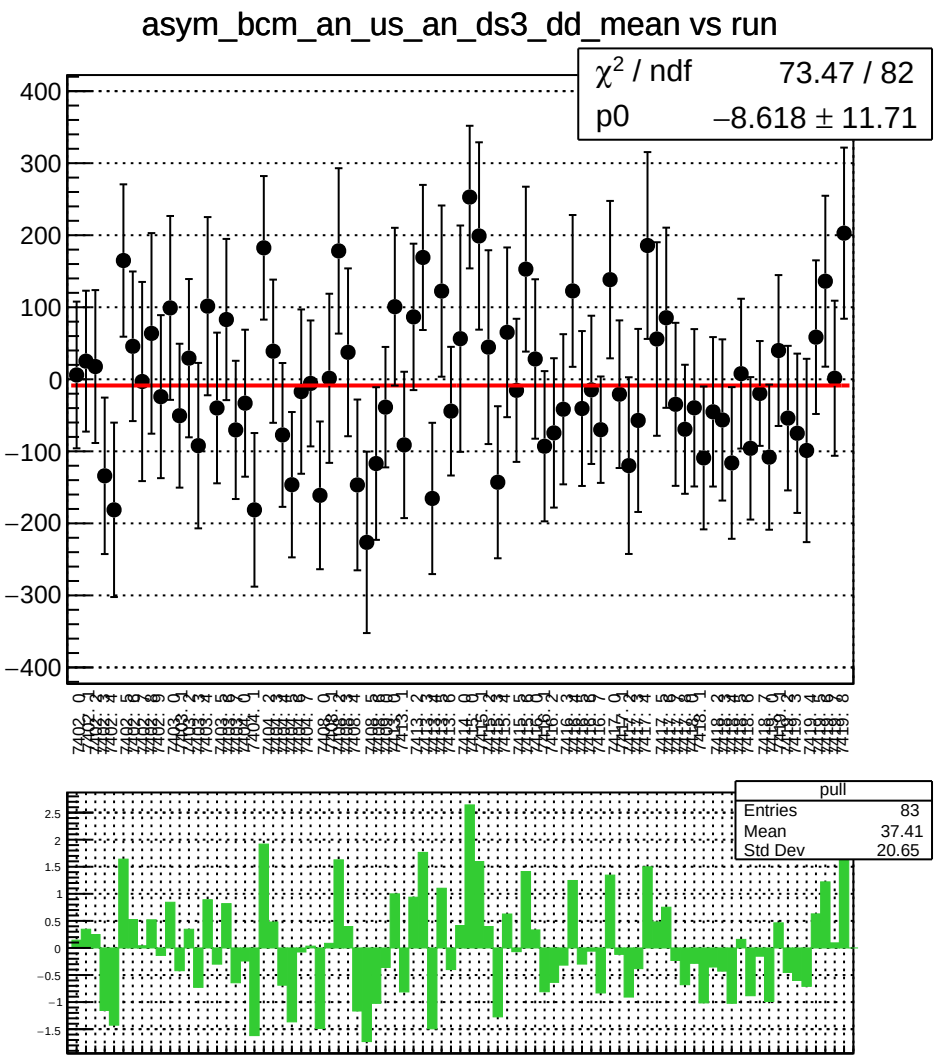
asym_bcm_an_us_an_ds_dd_rms vs run

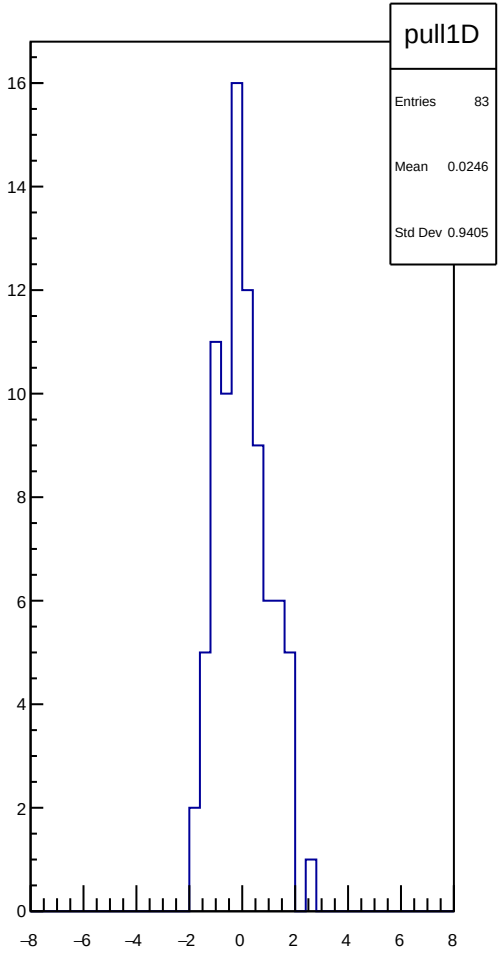


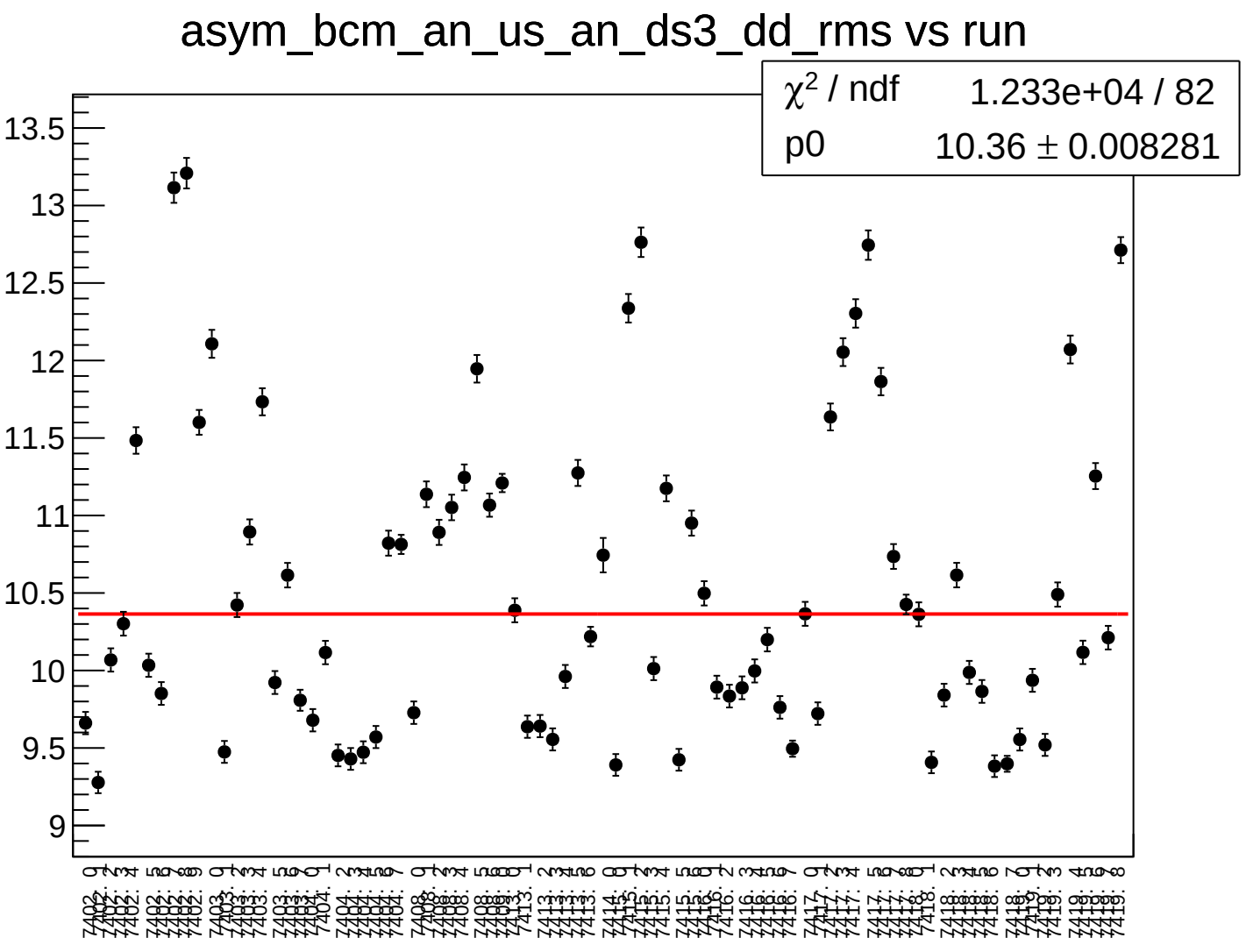

asym_bcm_an_us_an_ds3_avg_mean vs run
χ^2 / ndf 21.65 / 82
p0 400.8 ± 171.5
pull
Entries 83
Mean 63.07
Std Dev 0

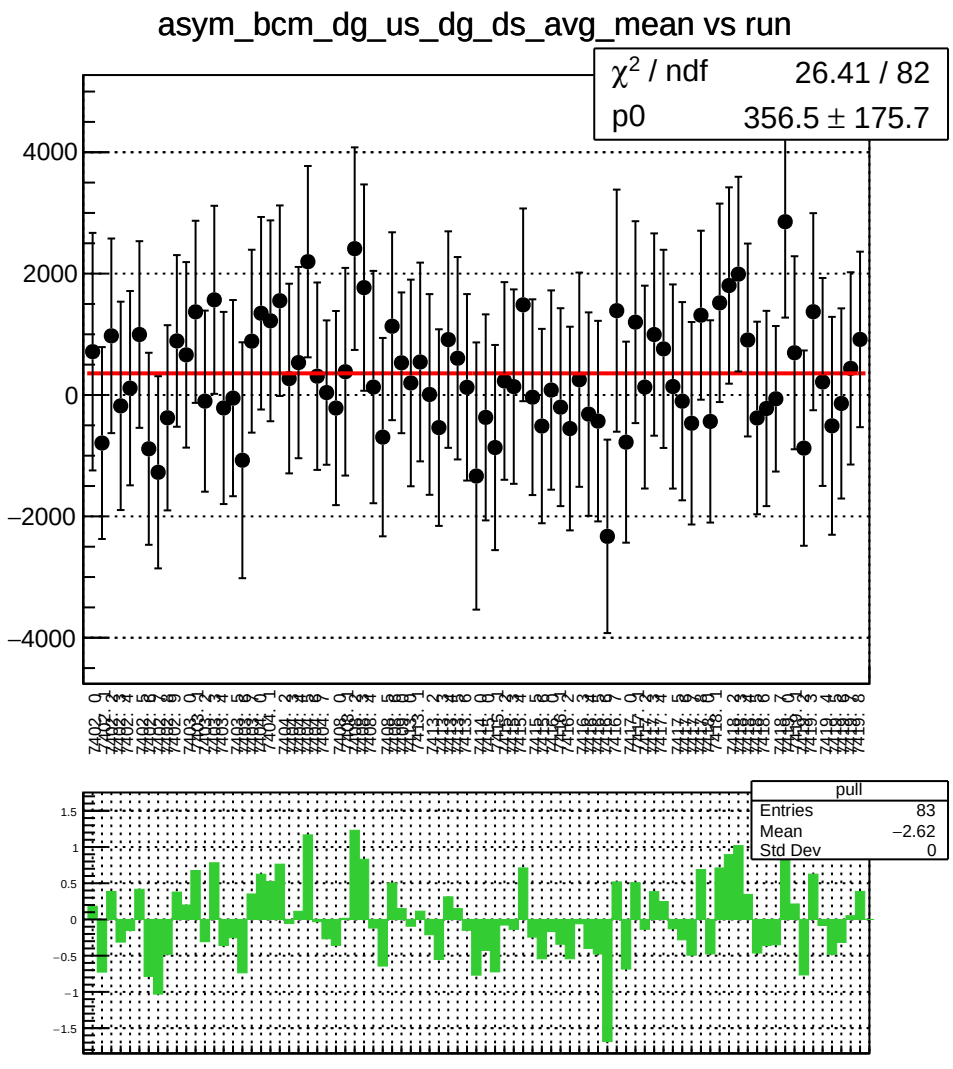

pull1D
Entries 83
Mean −0.002694
Std Dev 0.5108

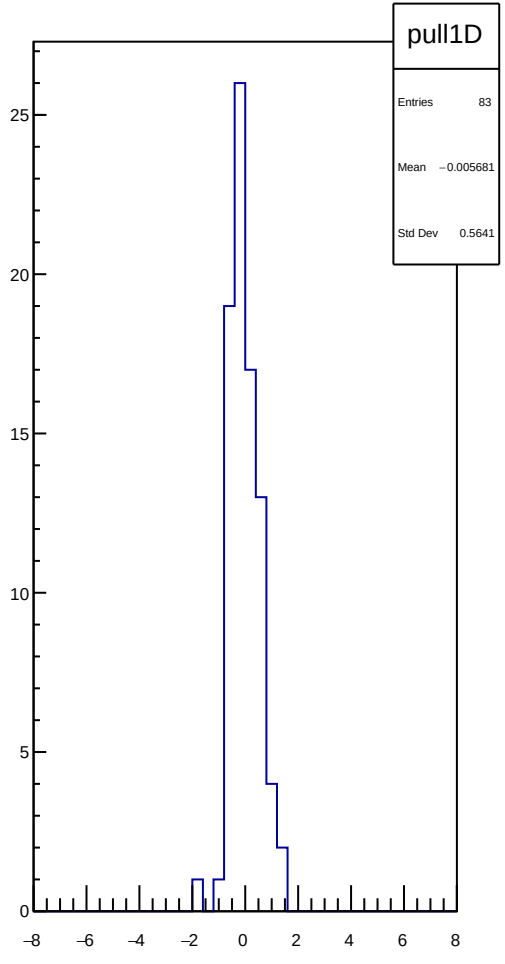

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 9262 / 82
p0 151.9 ± 0.1213
260
240
220
200
180
160
140

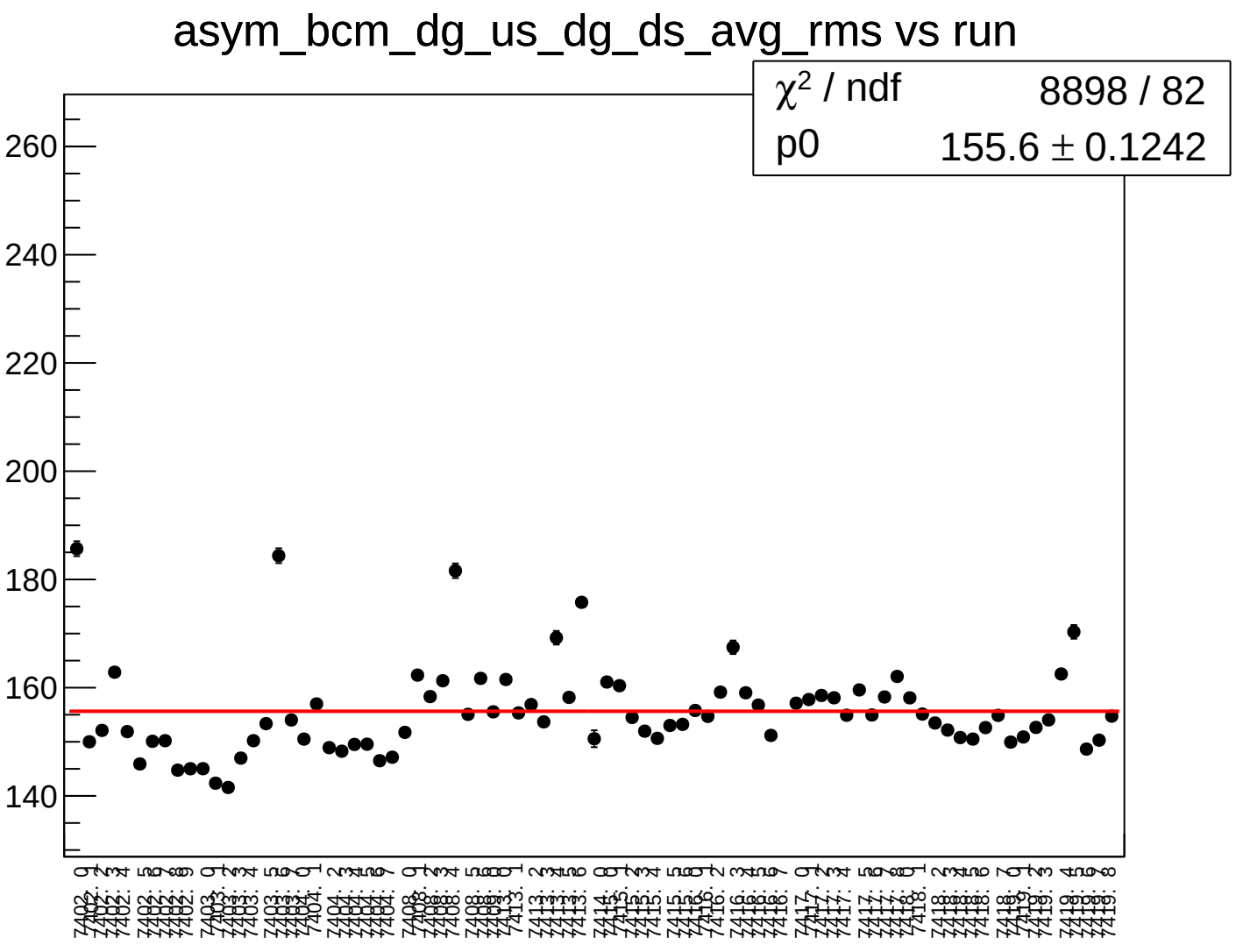

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 73.47 / 82
p0 −8.618 ± 11.71
pull
Entries 83
Mean 37.41
Std Dev 20.65

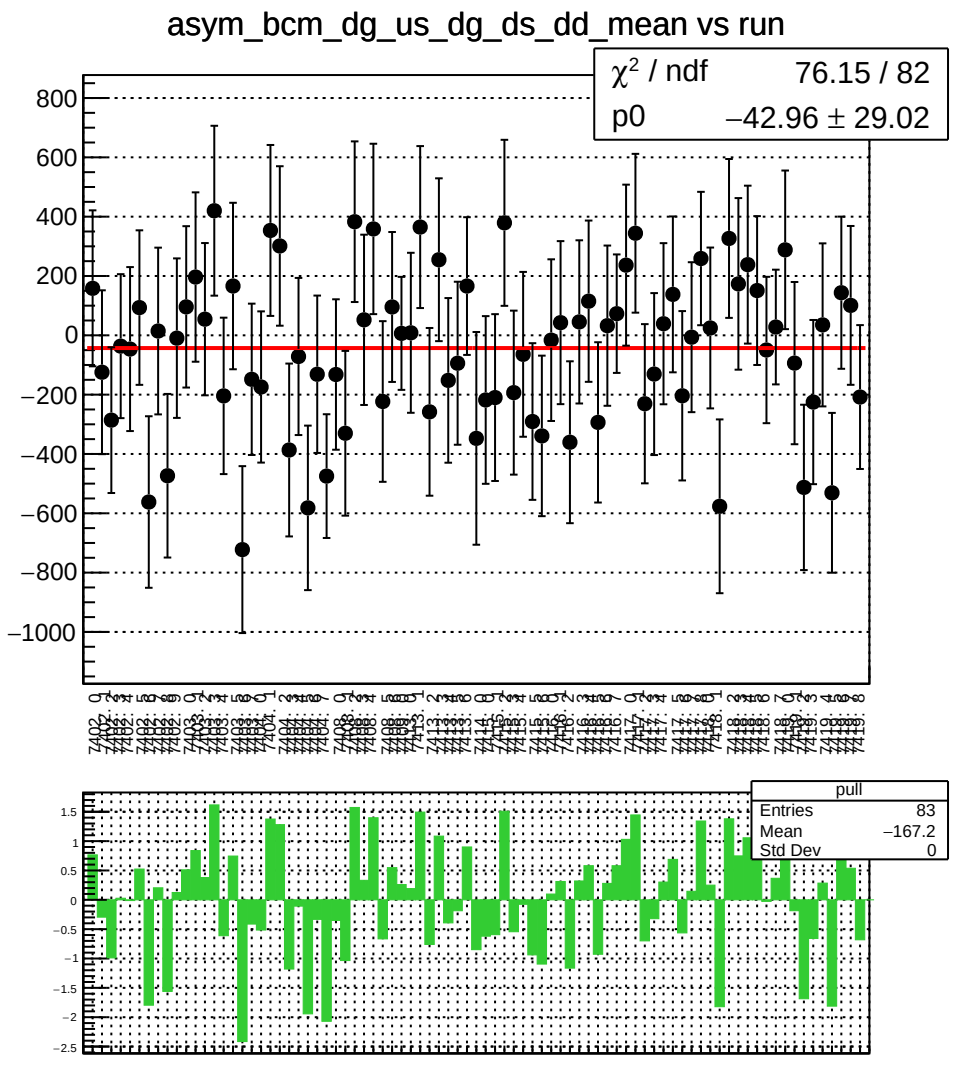

pull1D
Entries 83
Mean 0.0246
Std Dev 0.9405

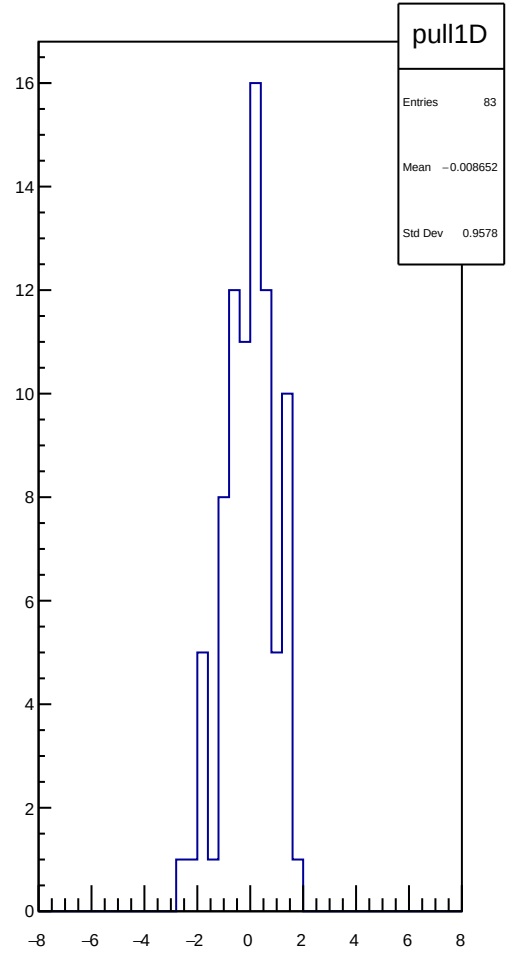

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1.233e+04 / 82
p0 10.36 ± 0.008281
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9

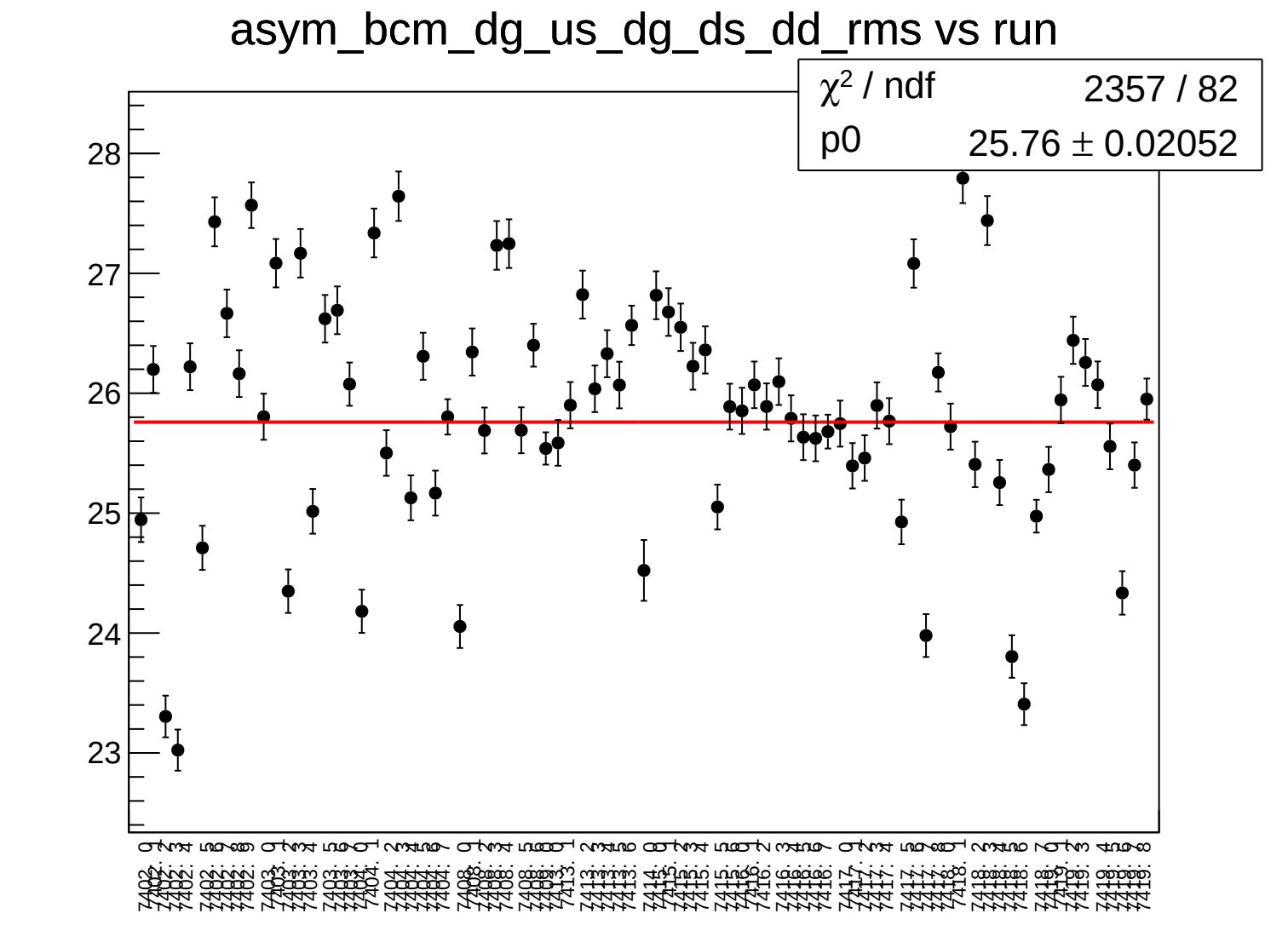

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 26.41 / 82
p0 356.5 ± 175.7
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −2.62
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

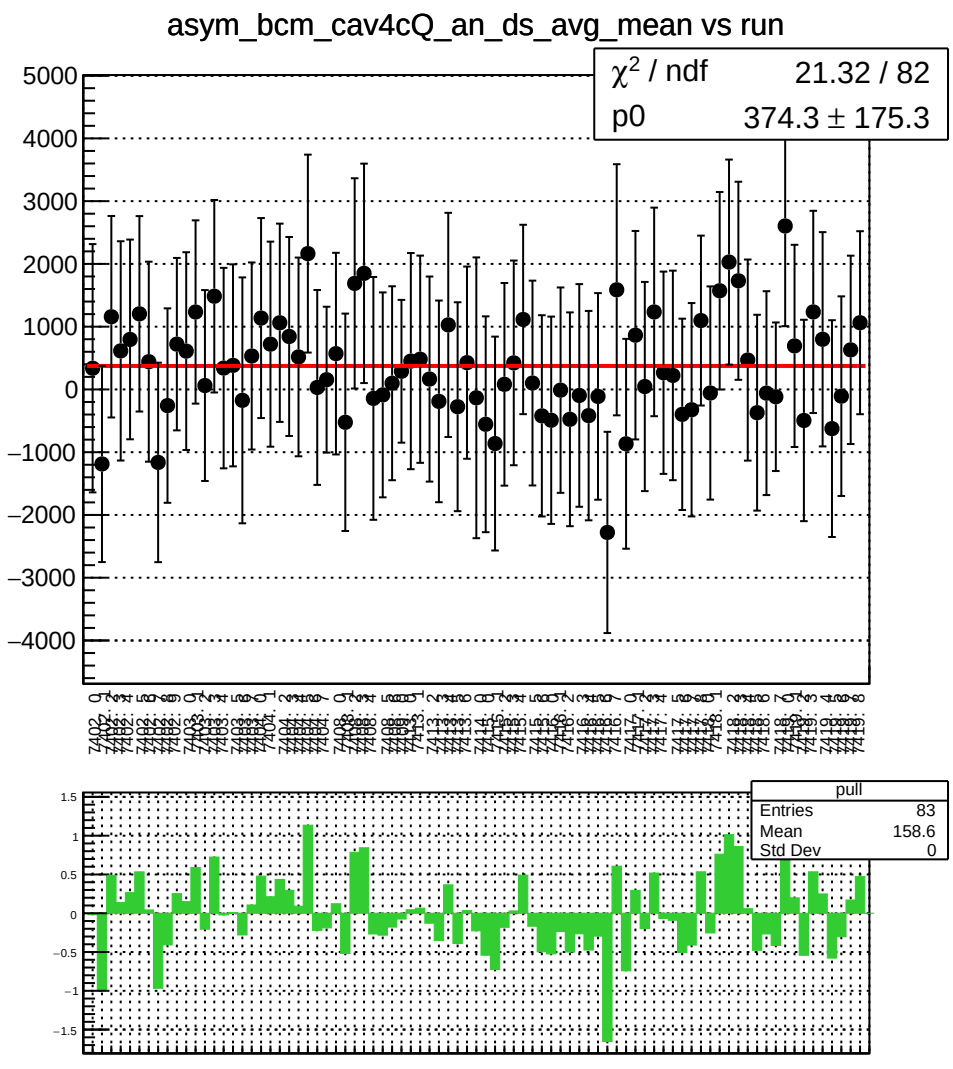

pull1D
Entries 83
Mean −0.005681
Std Dev 0.5641
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

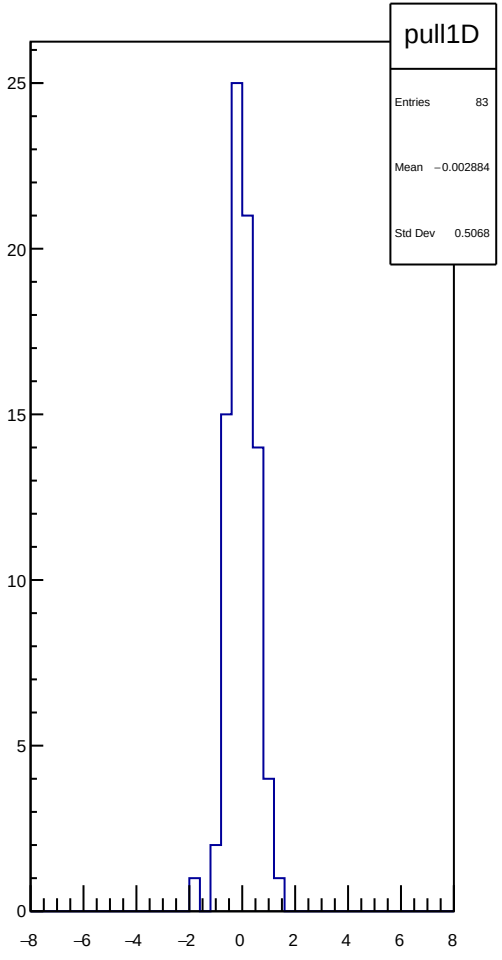

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 8898 / 82
p0 155.6 ± 0.1242
260
240
220
200
180
160
140

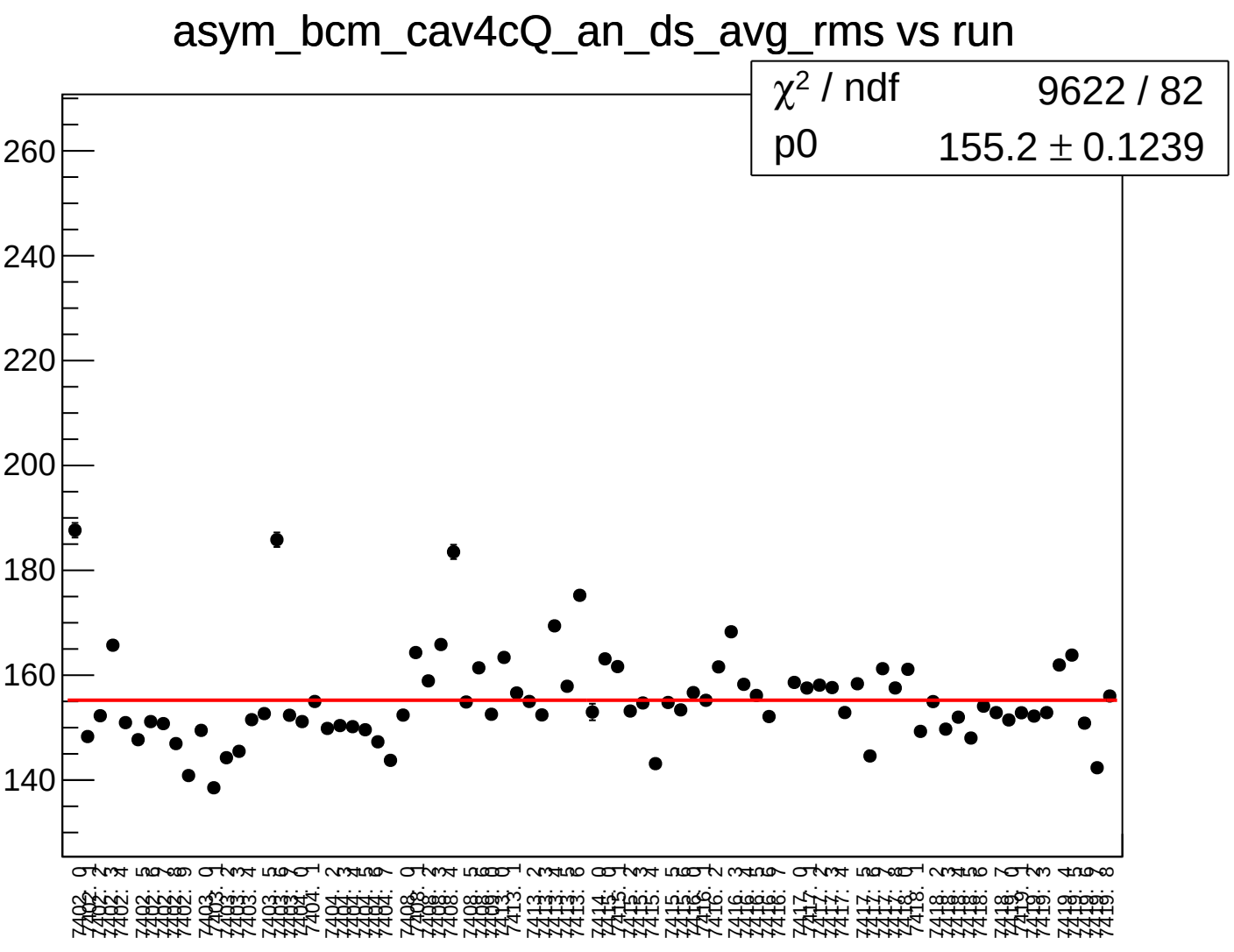

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 76.15 / 82
p0 −42.96 ± 29.02
pull
Entries 83
Mean −167.2
Std Dev 0

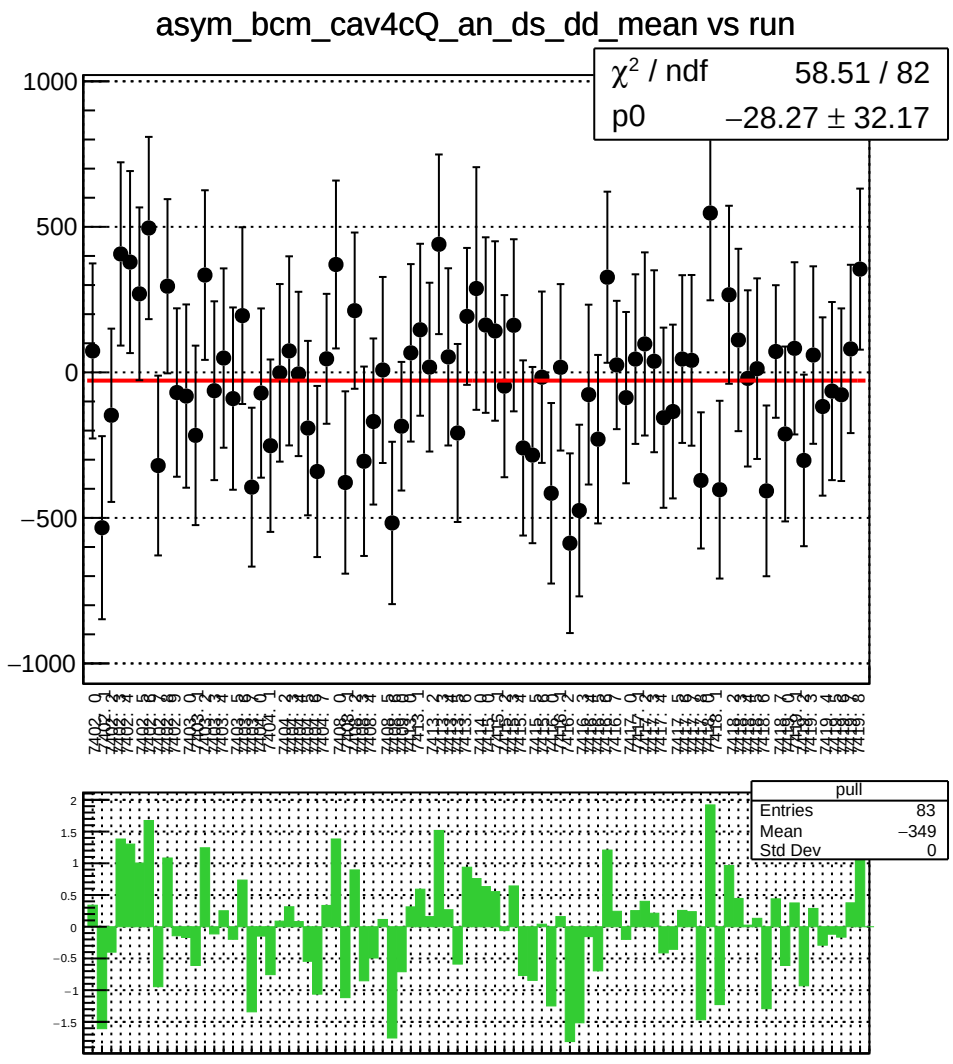

pull1D
Entries 83
Mean −0.008652
Std Dev 0.9578

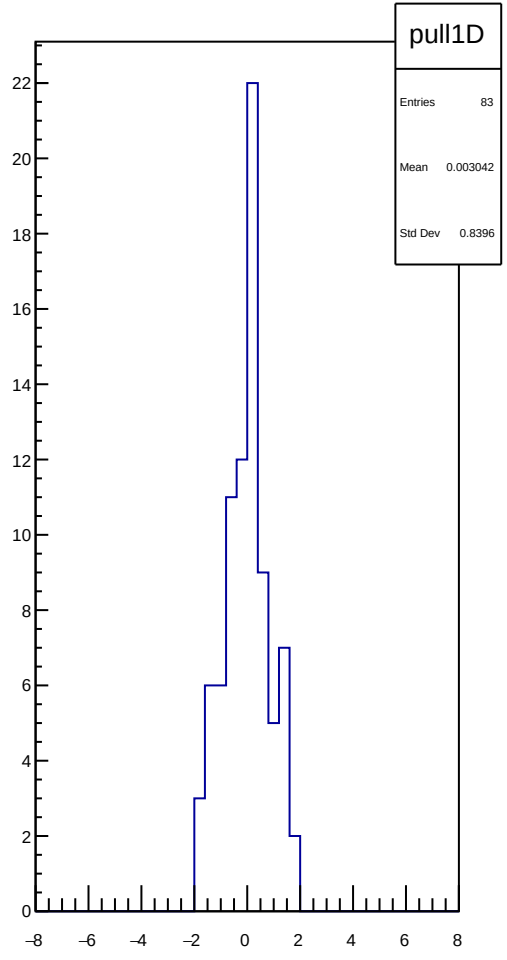

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2357 / 82
p0 25.76 ± 0.02052
28
27
26
25
24
23

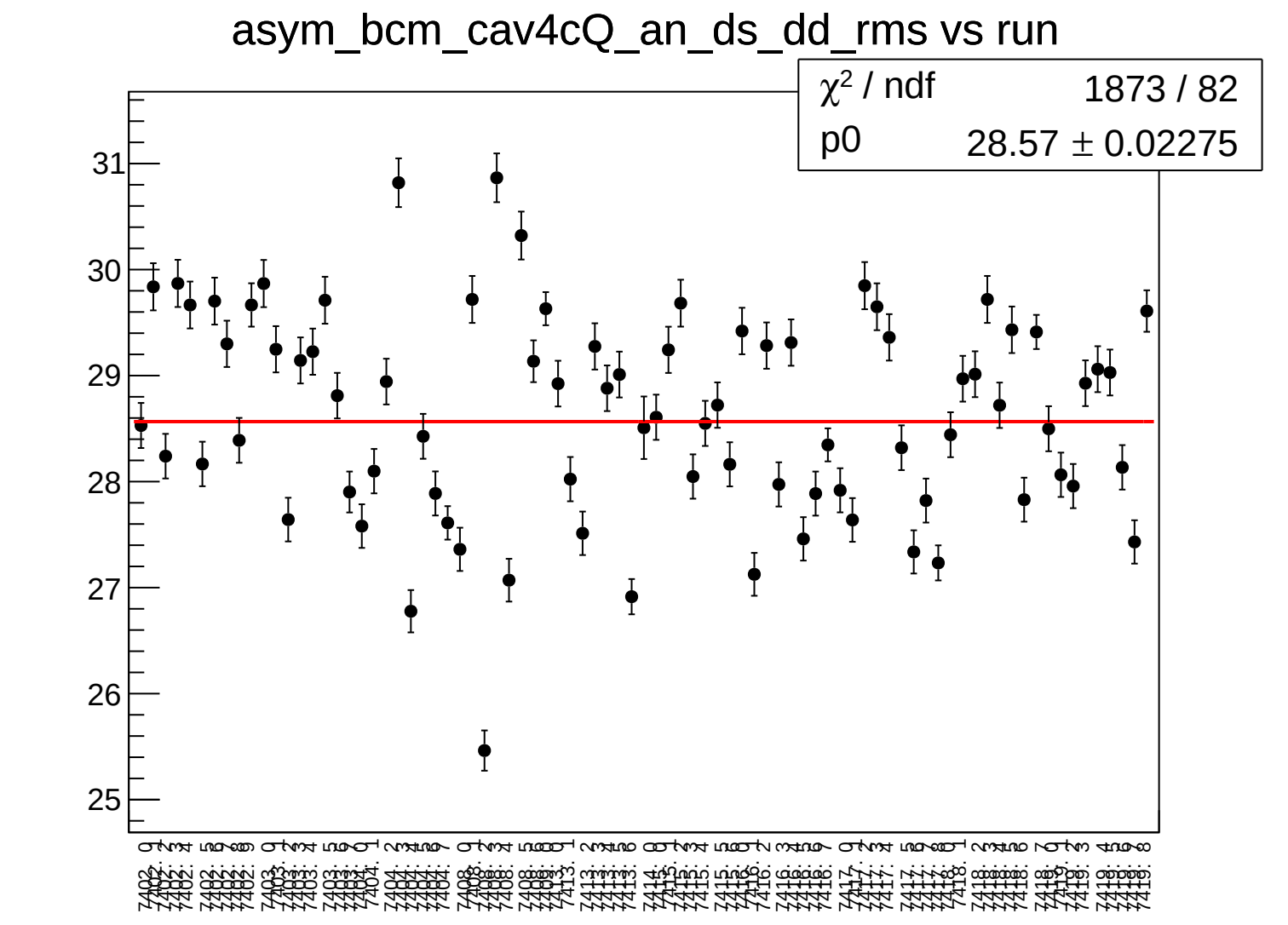

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 21.32 / 82
p0 374.3 ± 175.3
pull
Entries 83
Mean 158.6
Std Dev 0

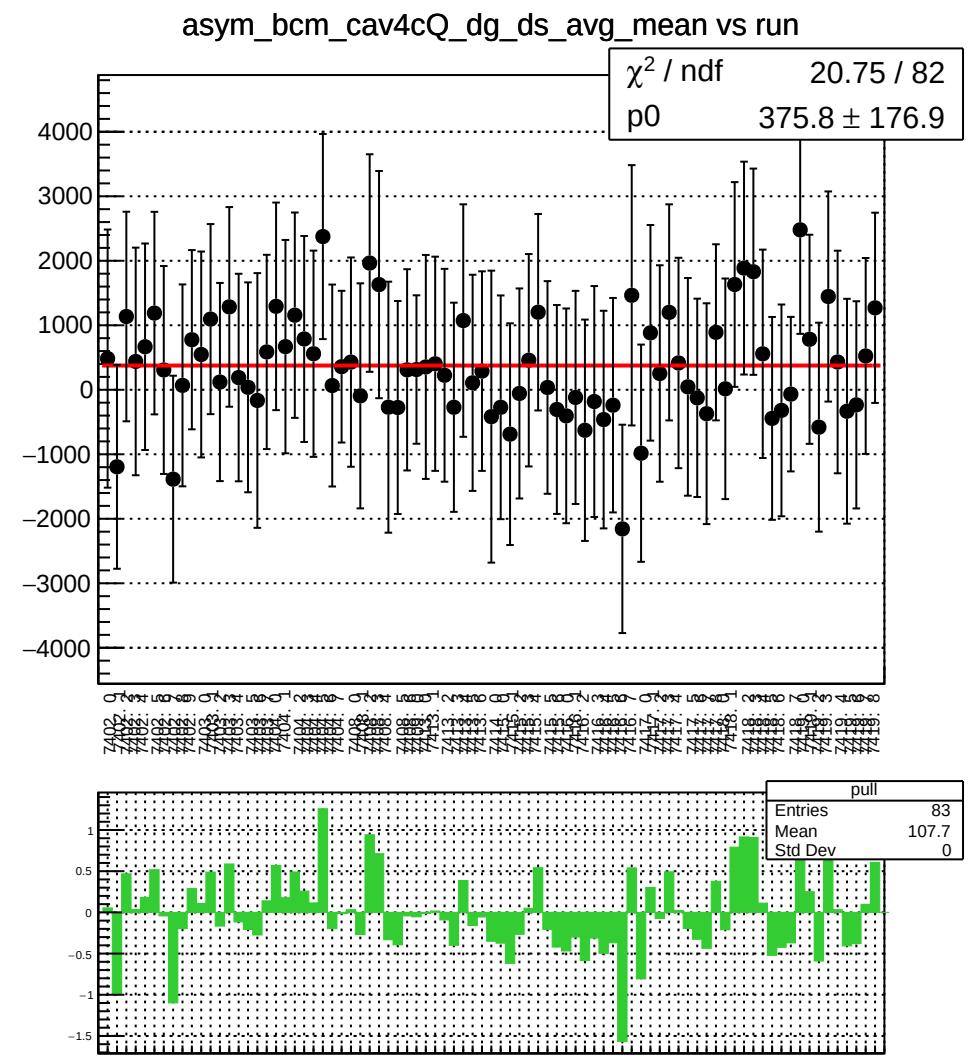

pull1D
Entries 83
Mean −0.002884
Std Dev 0.5068

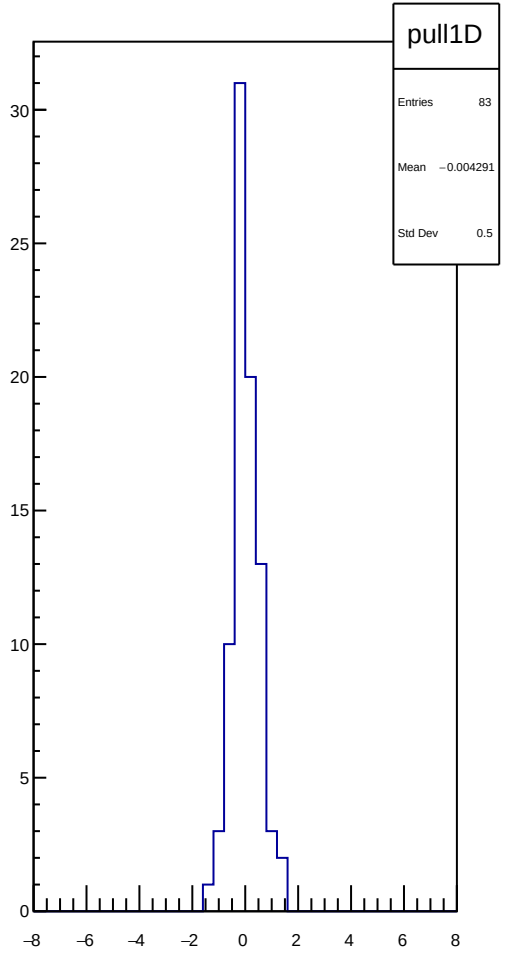

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 9622 / 82
p0 155.2 ± 0.1239
260
240
220
200
180
160
140

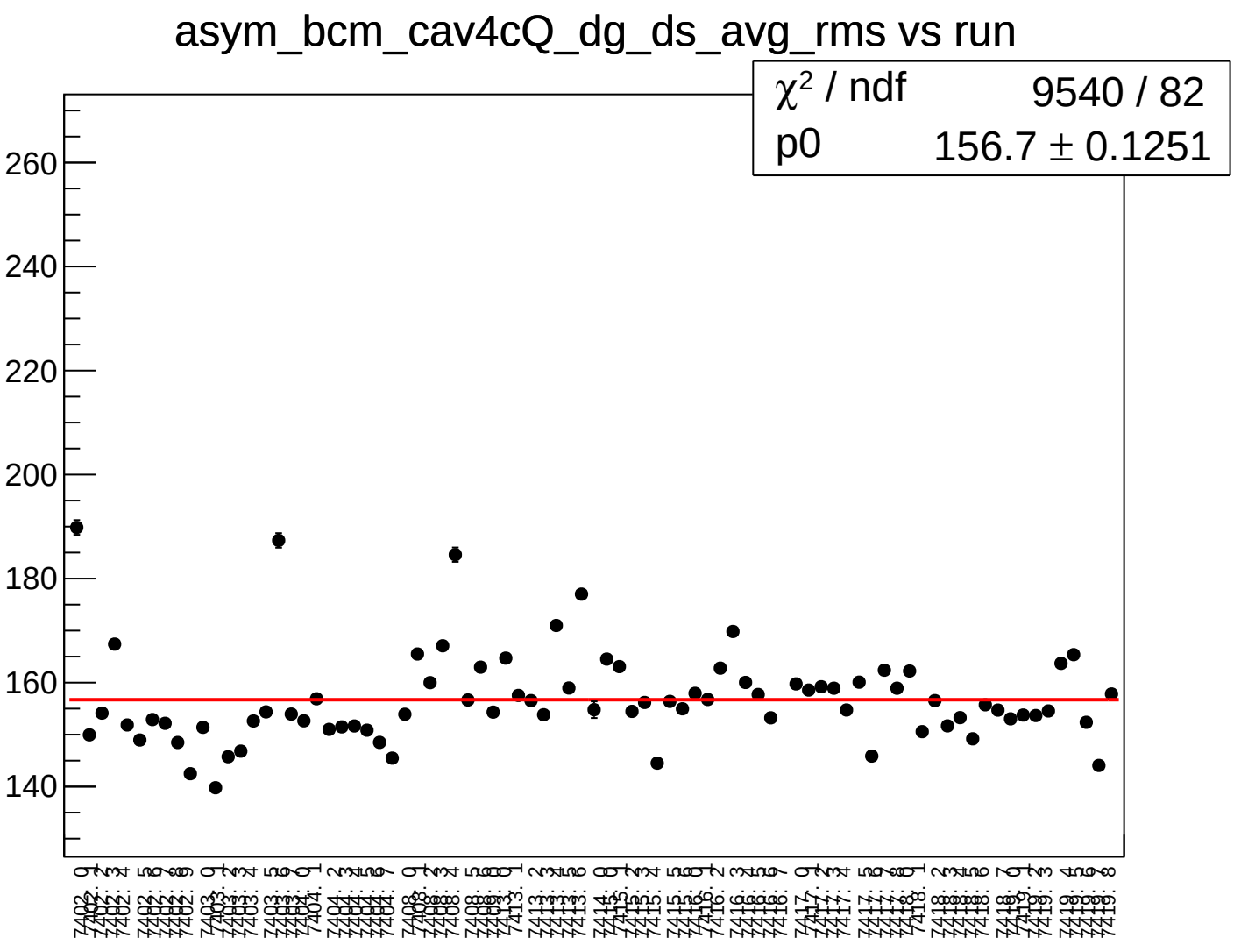

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 58.51 / 82
p0 −28.27 ± 32.17
1000
500
0
−500
−1000
pull
Entries 83
Mean −349
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

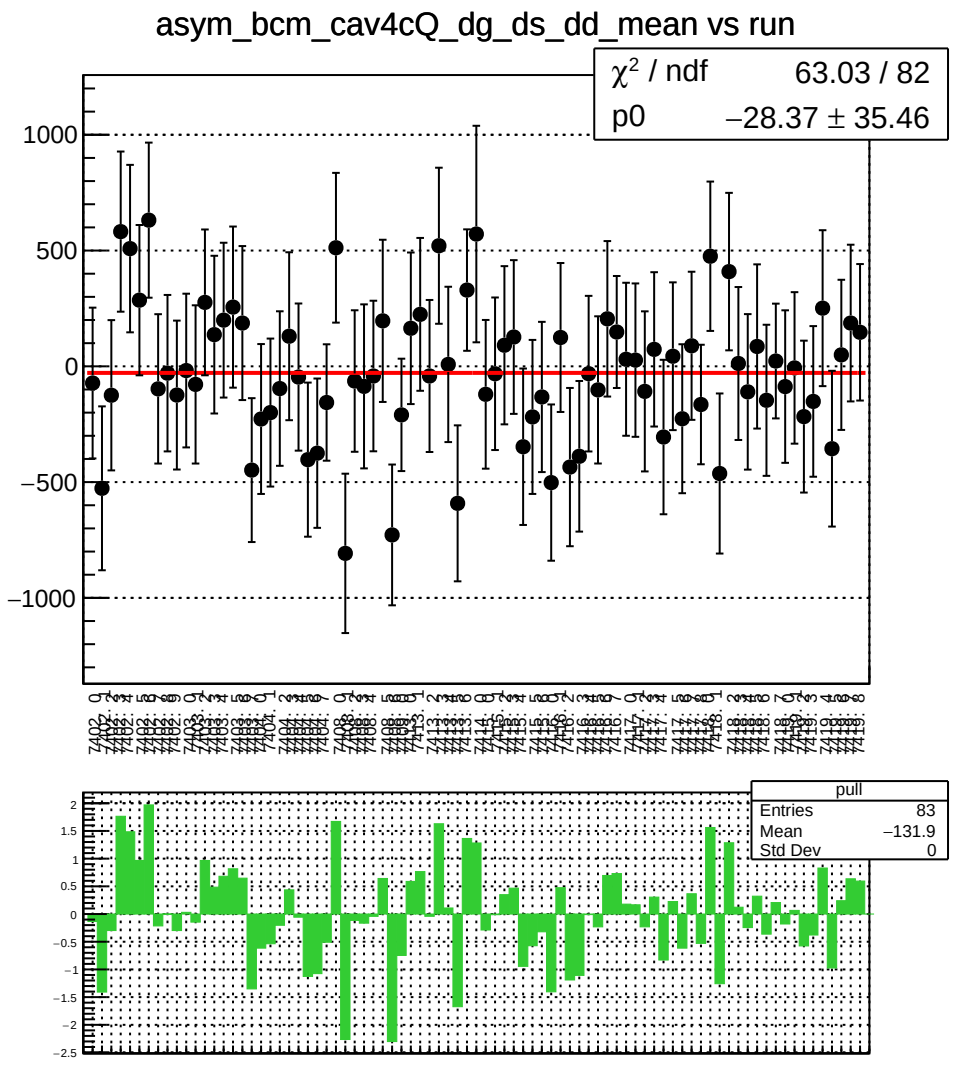

pull1D
Entries 83
Mean 0.003042
Std Dev 0.8396
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

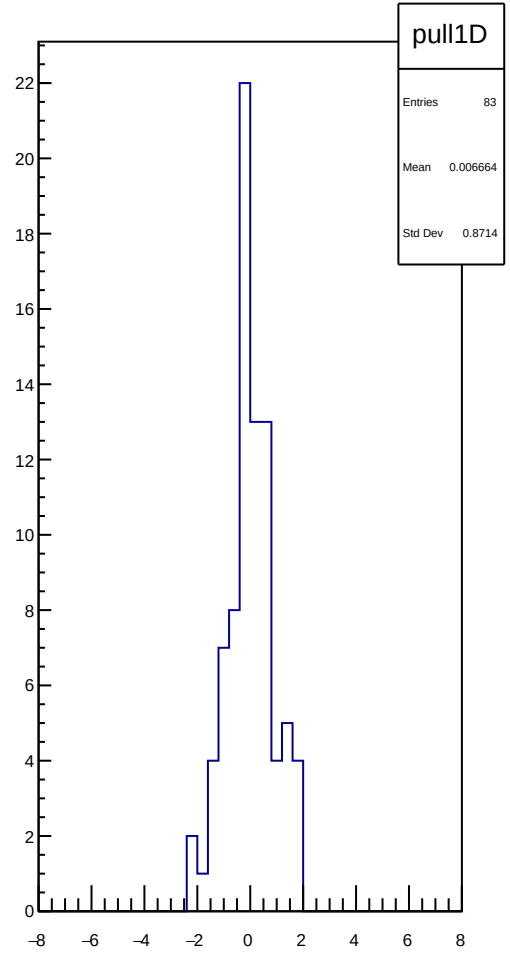

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1873 / 82
p0 28.57 ± 0.02275
31
30
29
28
27
26
25

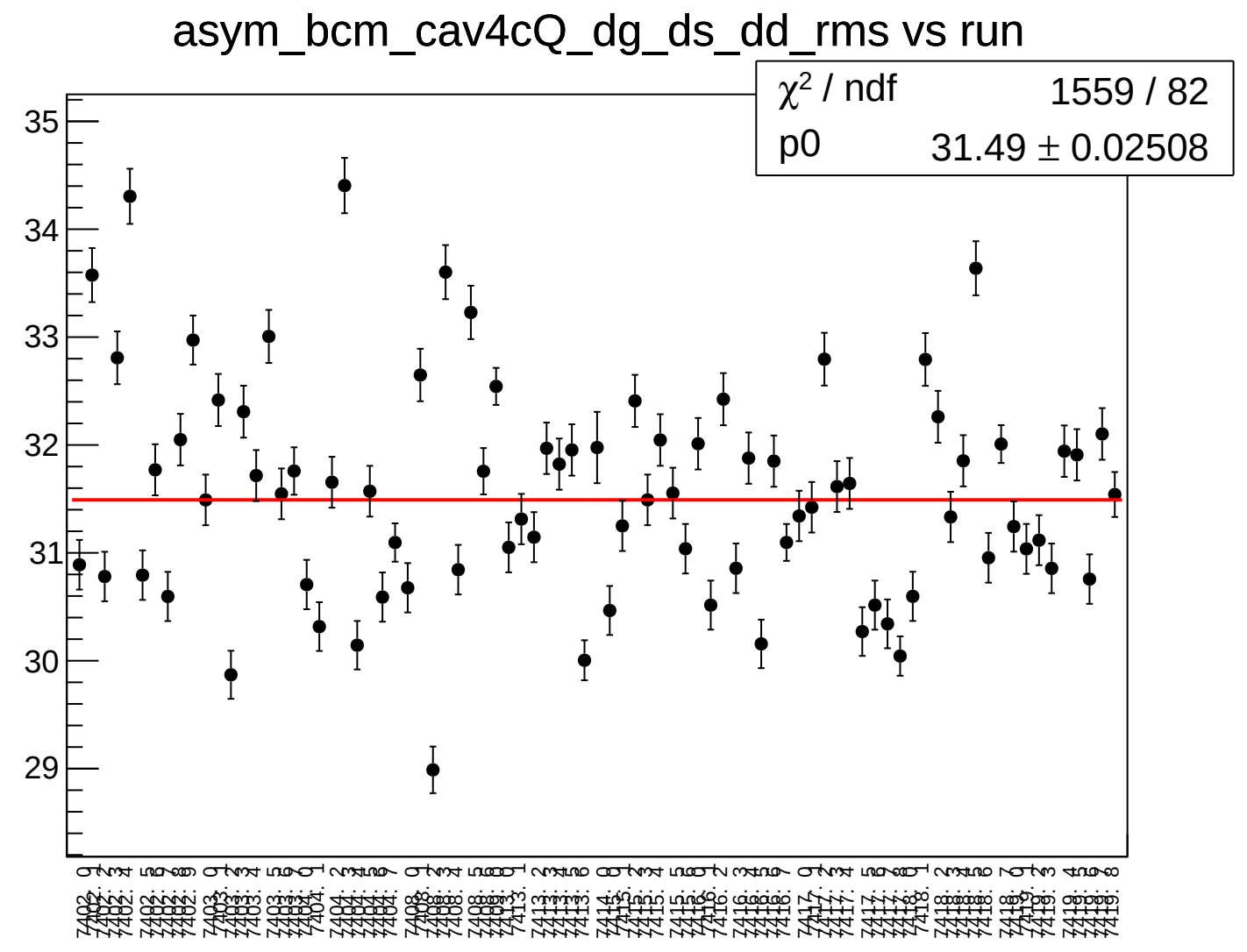

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 20.75 / 82
p0 375.8 ± 176.9
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 83
Mean 107.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

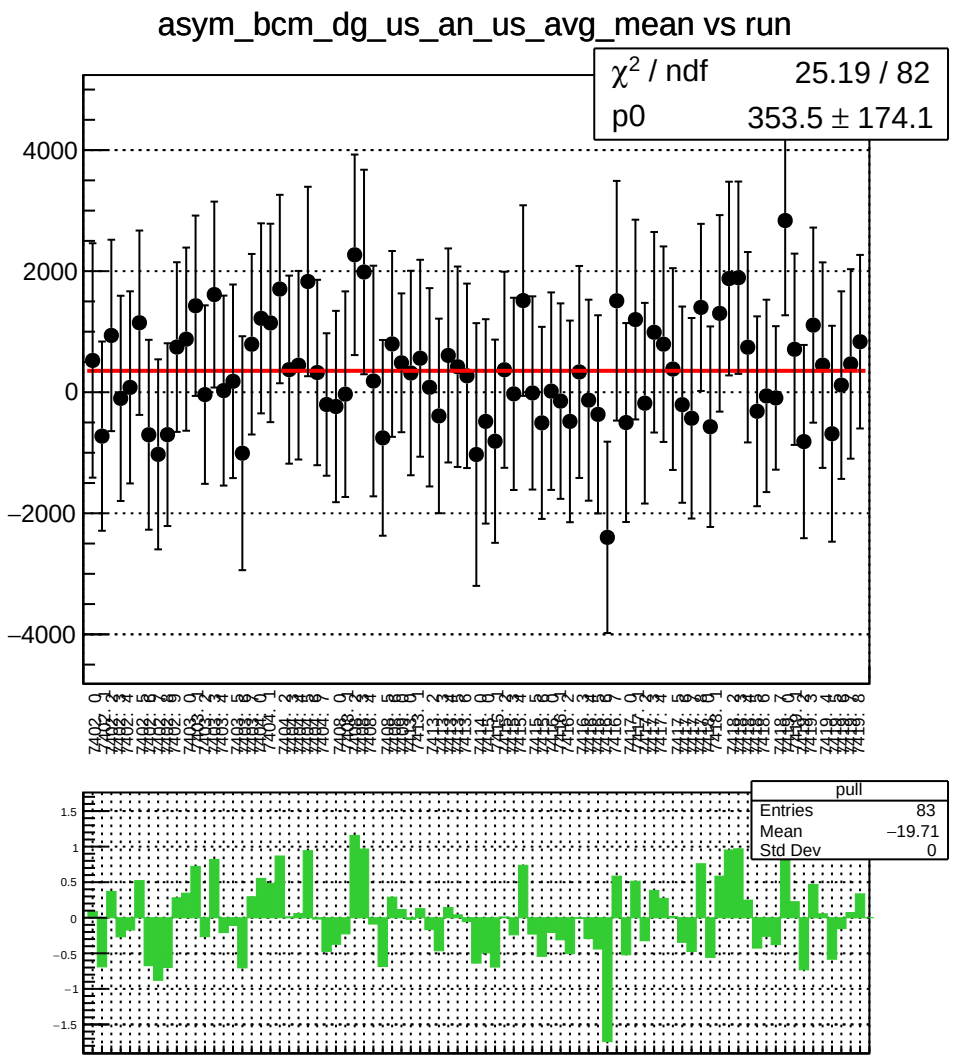

pull1D
Entries 83
Mean −0.004291
Std Dev 0.5
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

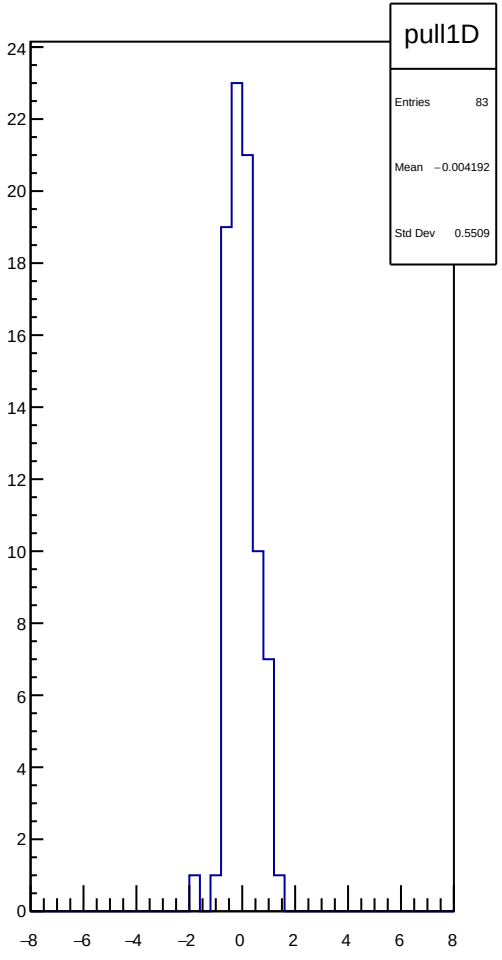

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 9540 / 82
p0 156.7 ± 0.1251
260
240
220
200
180
160
140

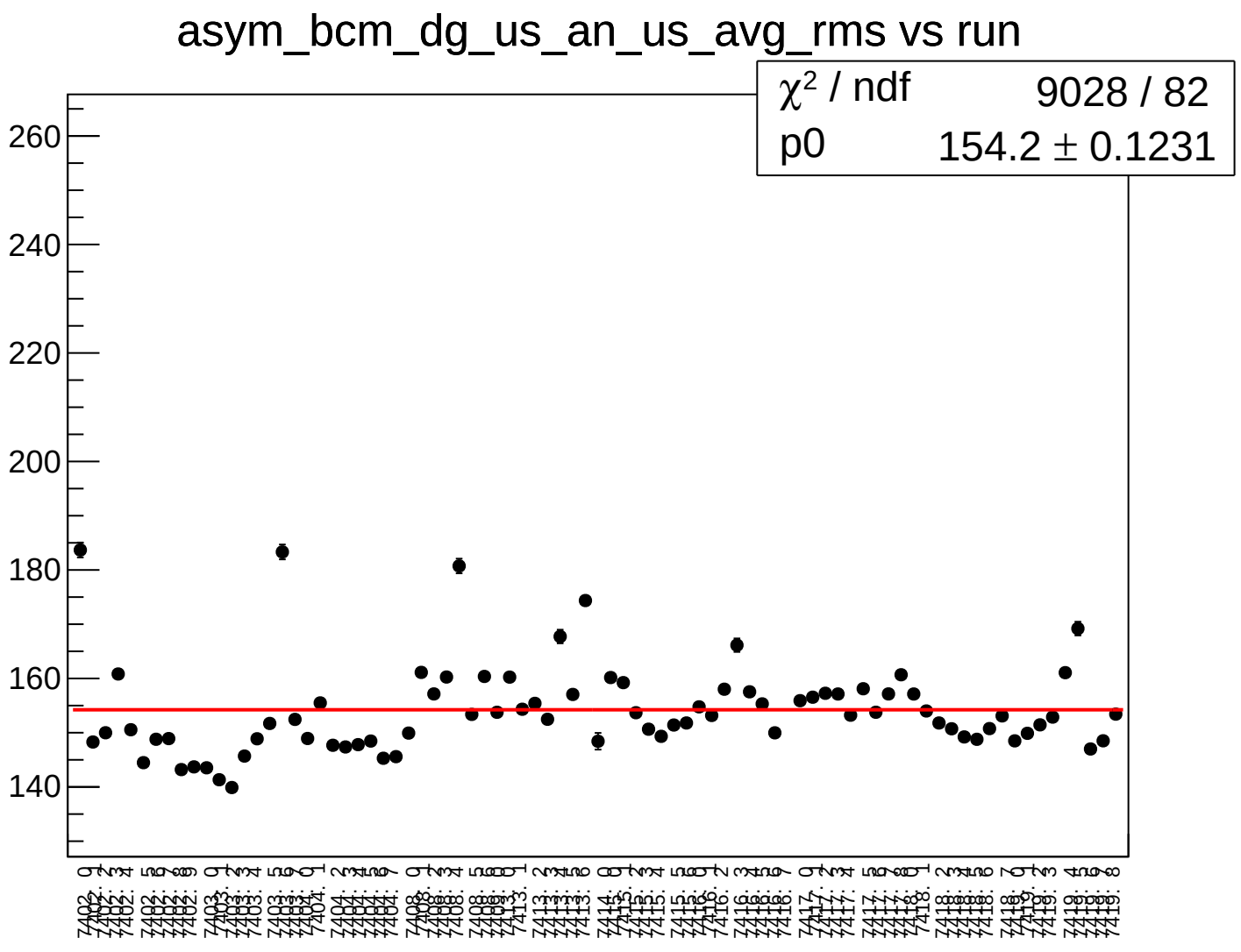

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 63.03 / 82
p0 −28.37 ± 35.46
1000
500
0
−500
−1000
pull
Entries 83
Mean −131.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

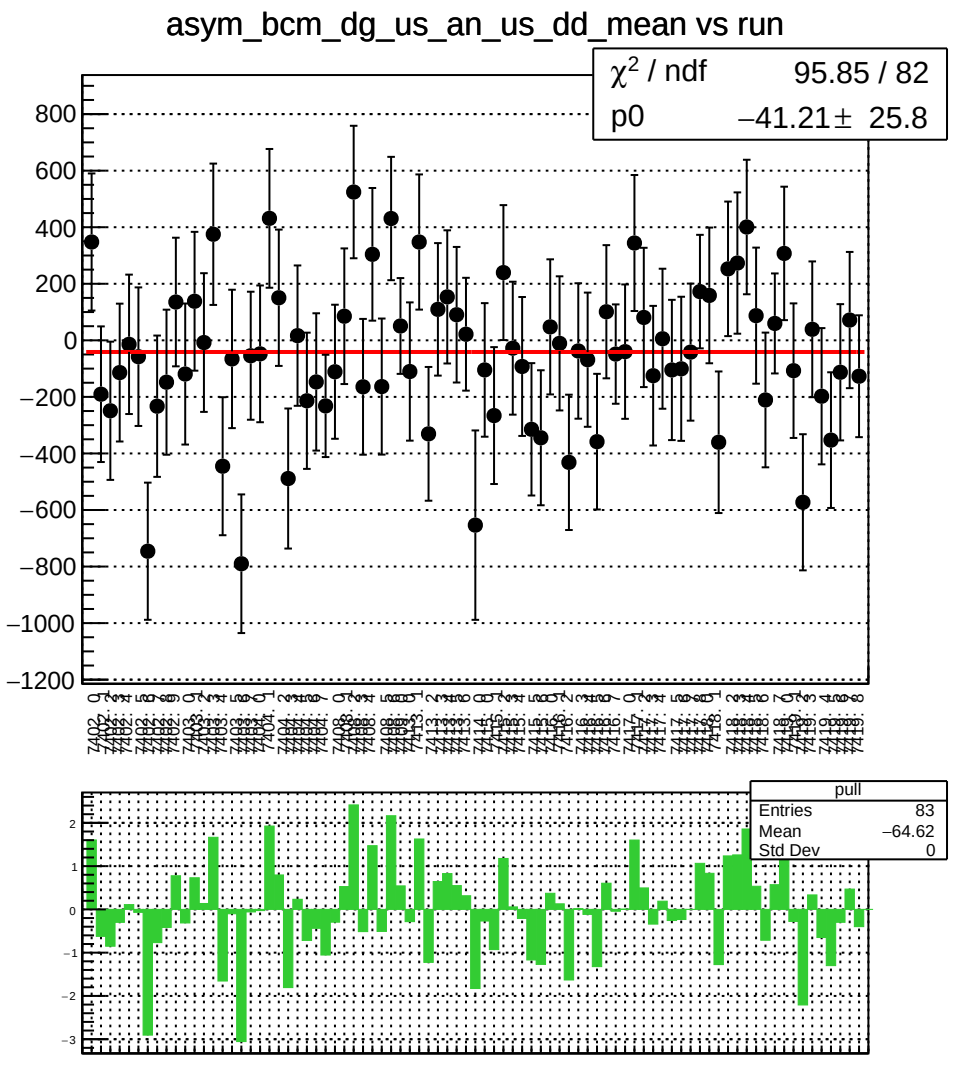

pull1D
Entries 83
Mean 0.006664
Std Dev 0.8714
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

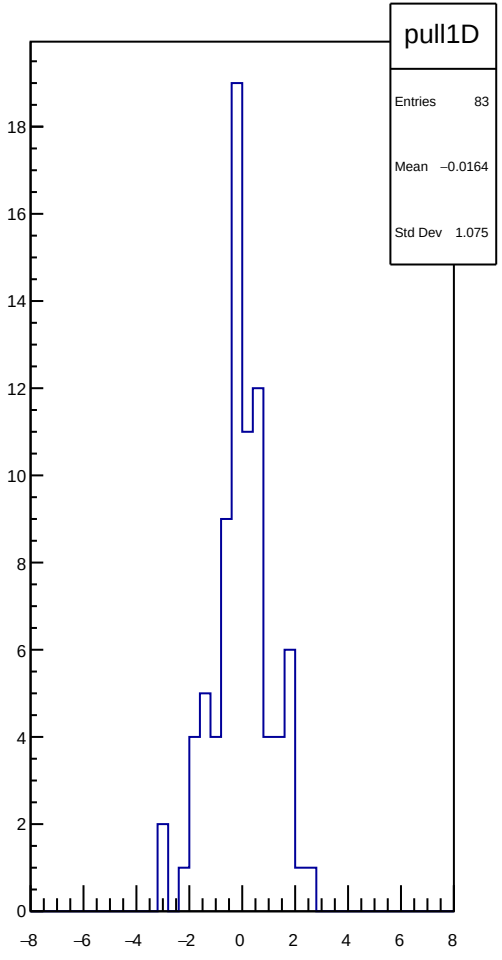

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1559 / 82
p0 31.49 ± 0.02508
35
34
33
32
31
30
29

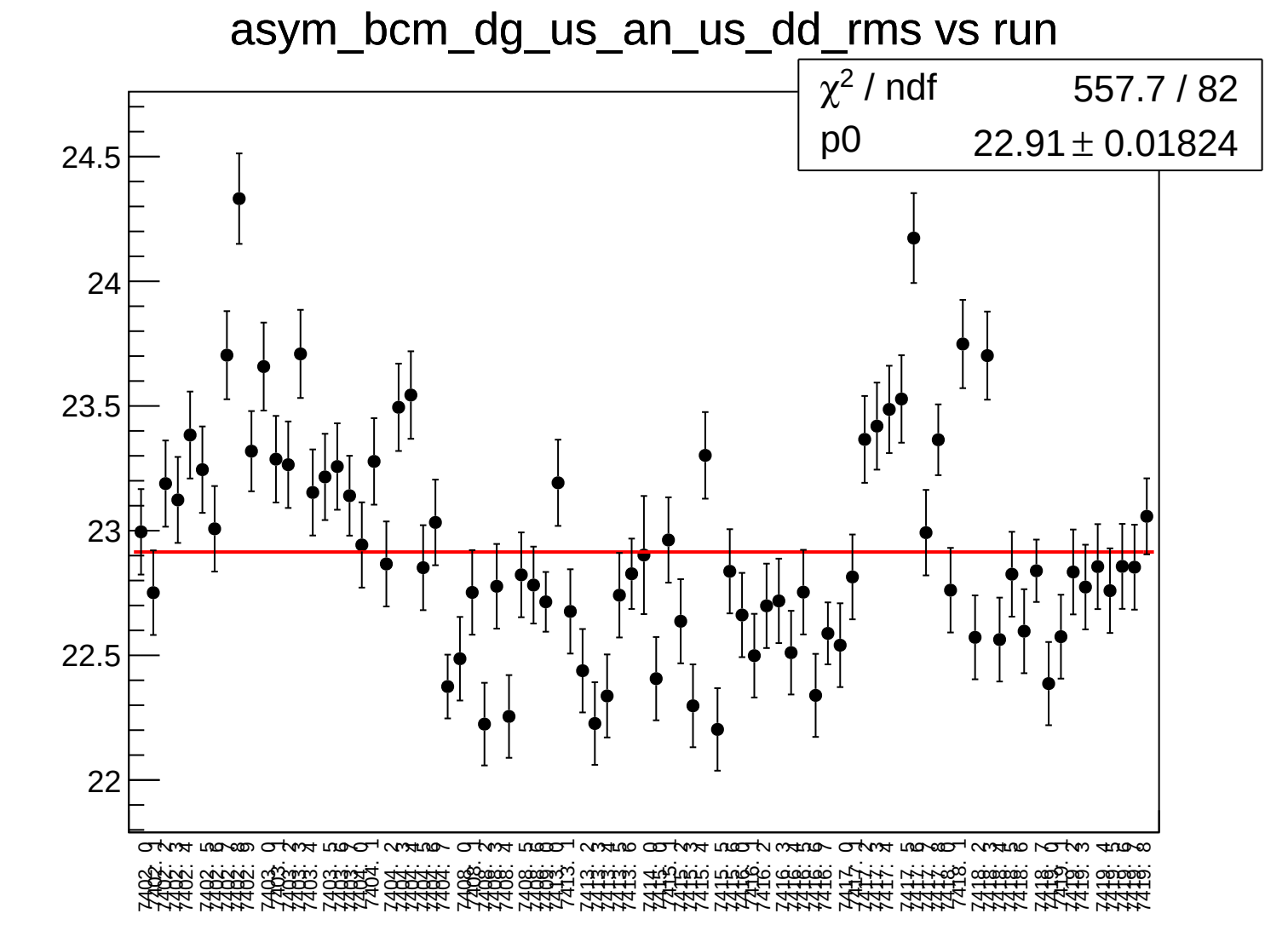

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 25.19 / 82
p0 353.5 ± 174.1
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −19.71
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

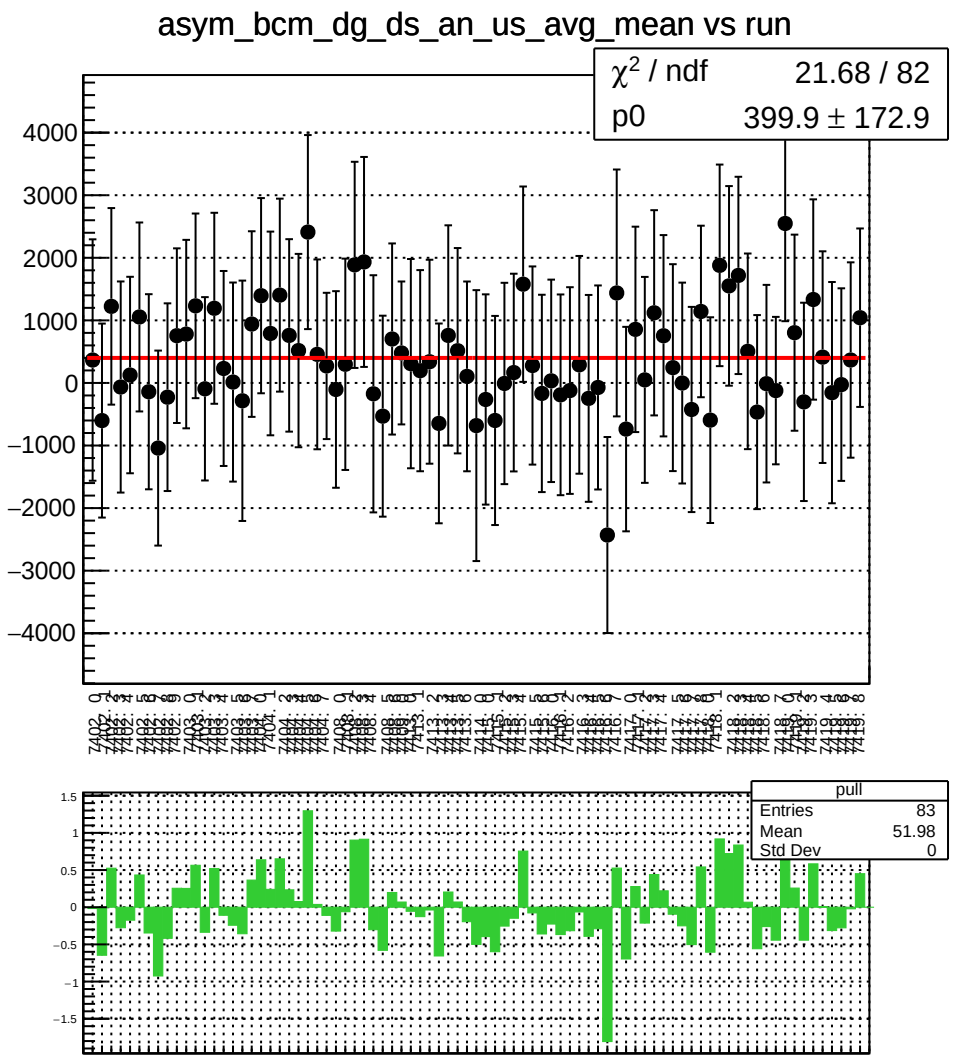

pull1D
Entries 83
Mean −0.004192
Std Dev 0.5509
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

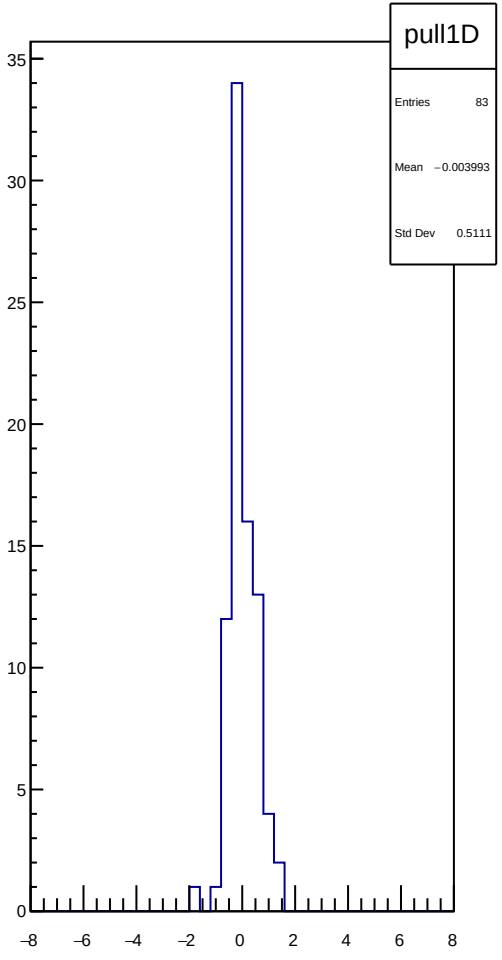

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 9028 / 82
p0 154.2 ± 0.1231
260
240
220
200
180
160
140

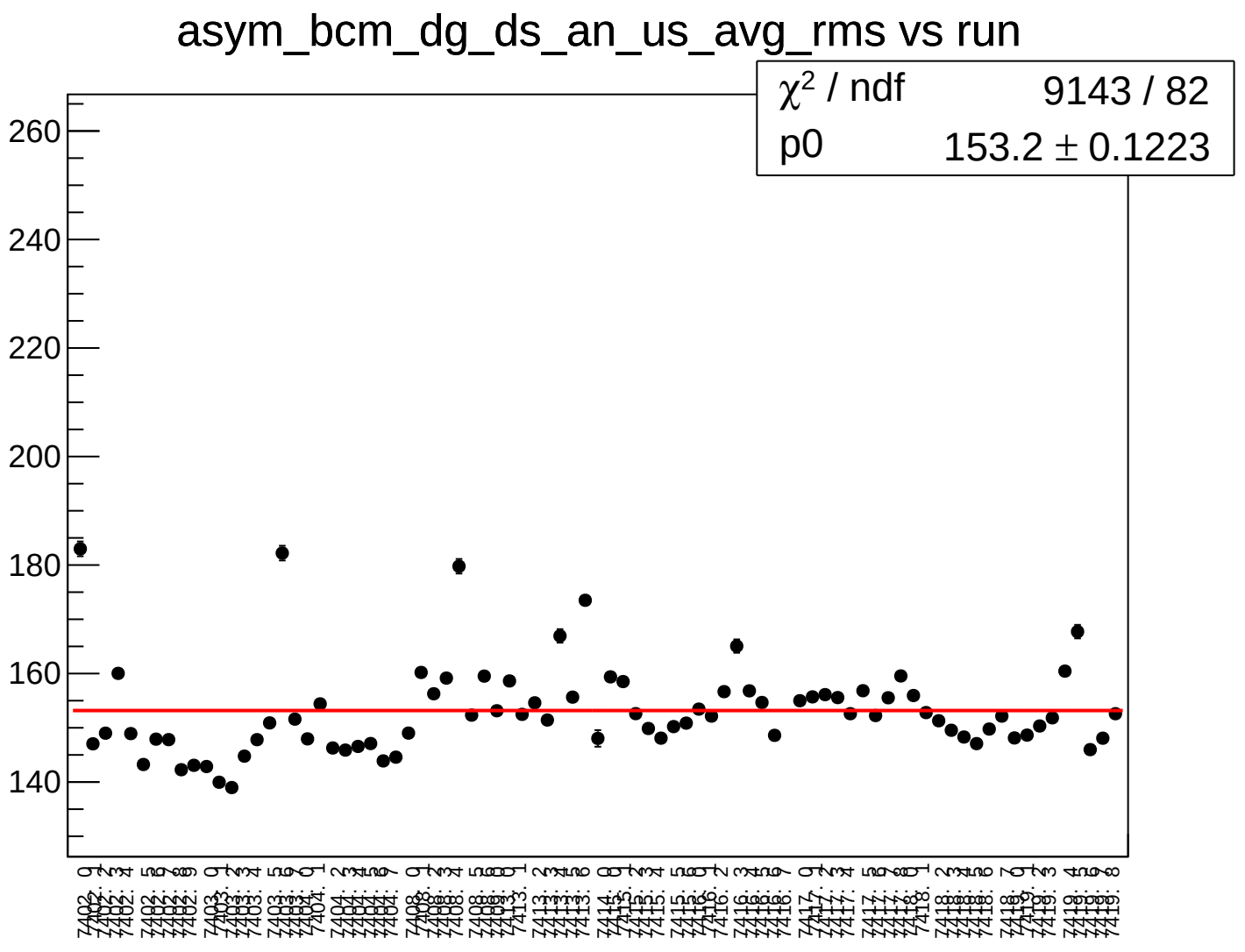

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 95.85 / 82
p0 −41.21 ± 25.8
pull
Entries 83
Mean −64.62
Std Dev 0

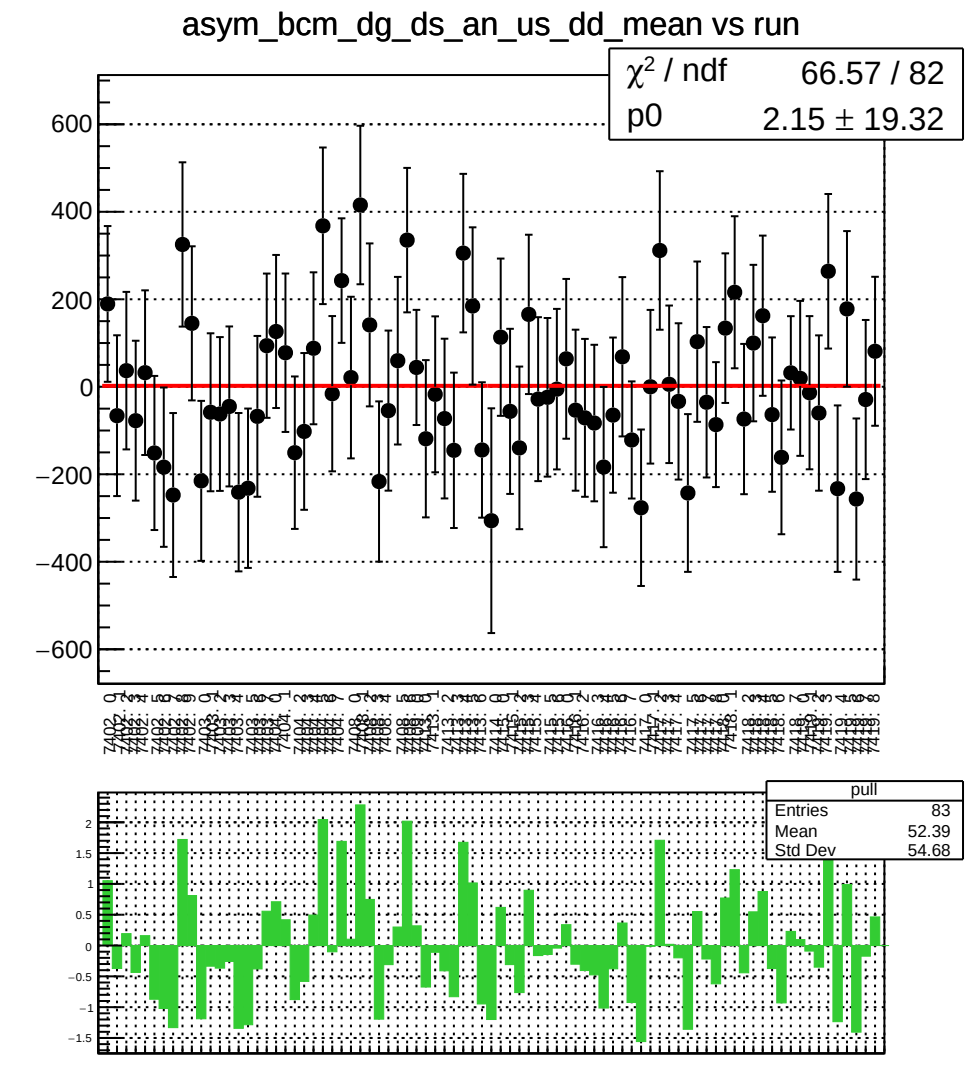

pull1D
Entries 83
Mean −0.0164
Std Dev 1.075

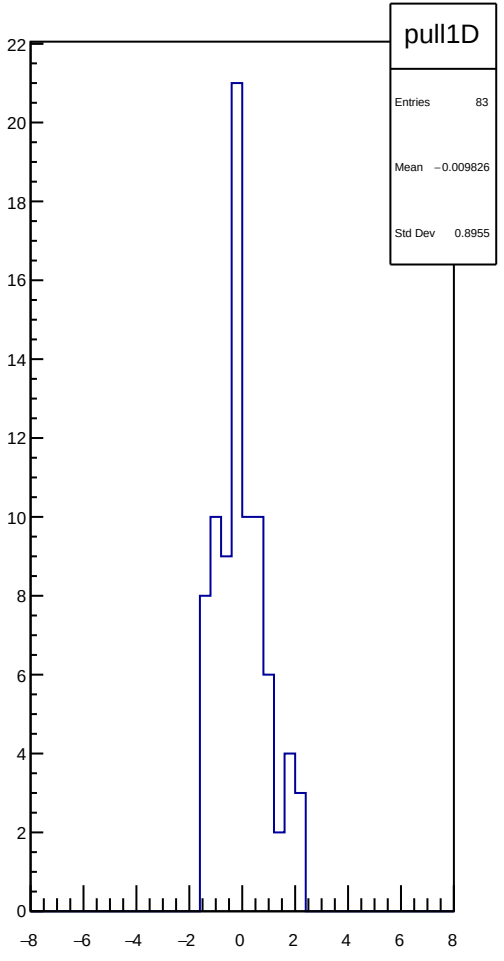

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 557.7 / 82
p0 22.91 ± 0.01824
24.5
24
23.5
23
22.5
22

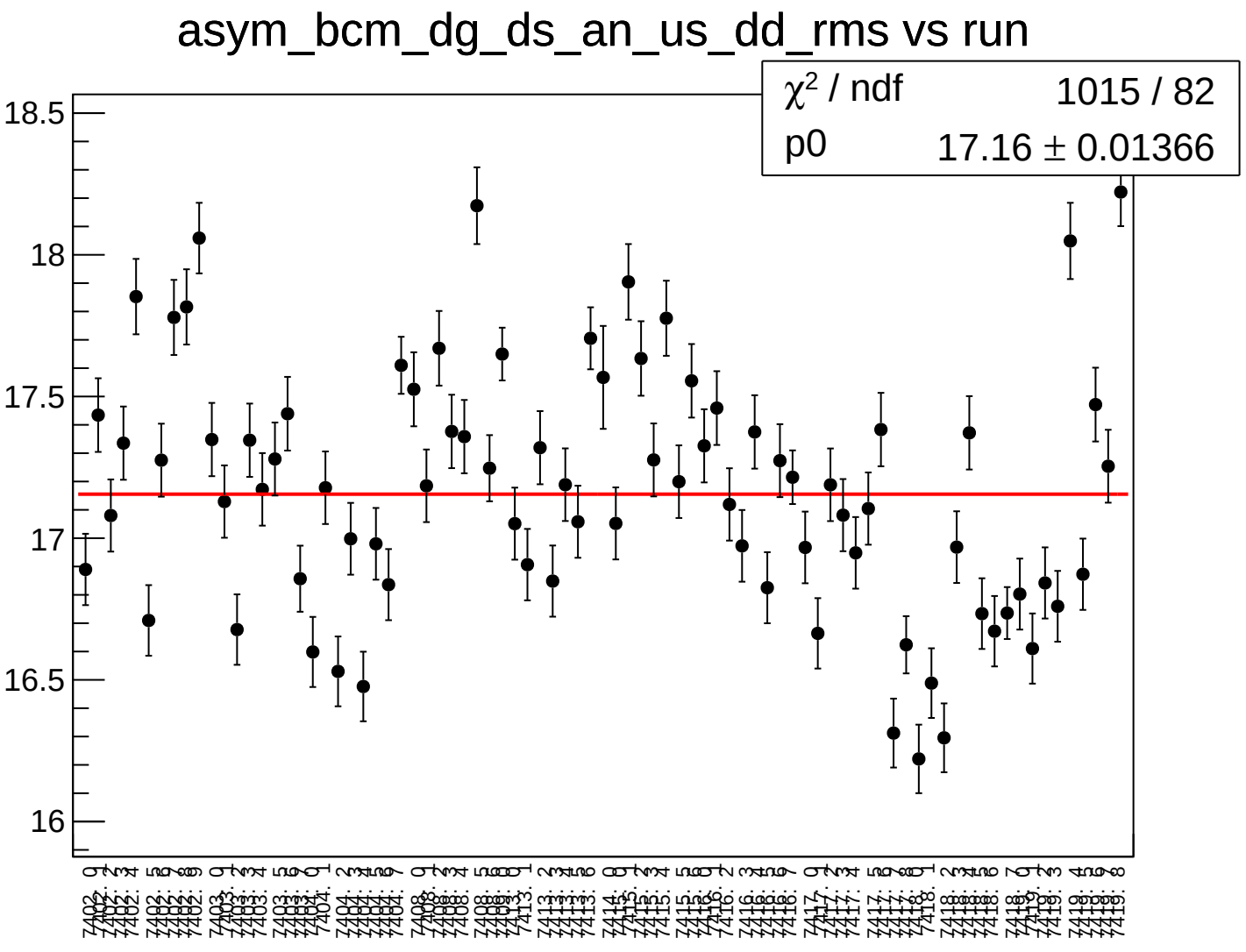

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 21.68 / 82
p0 399.9 ± 172.9
pull
Entries 83
Mean 51.98
Std Dev 0

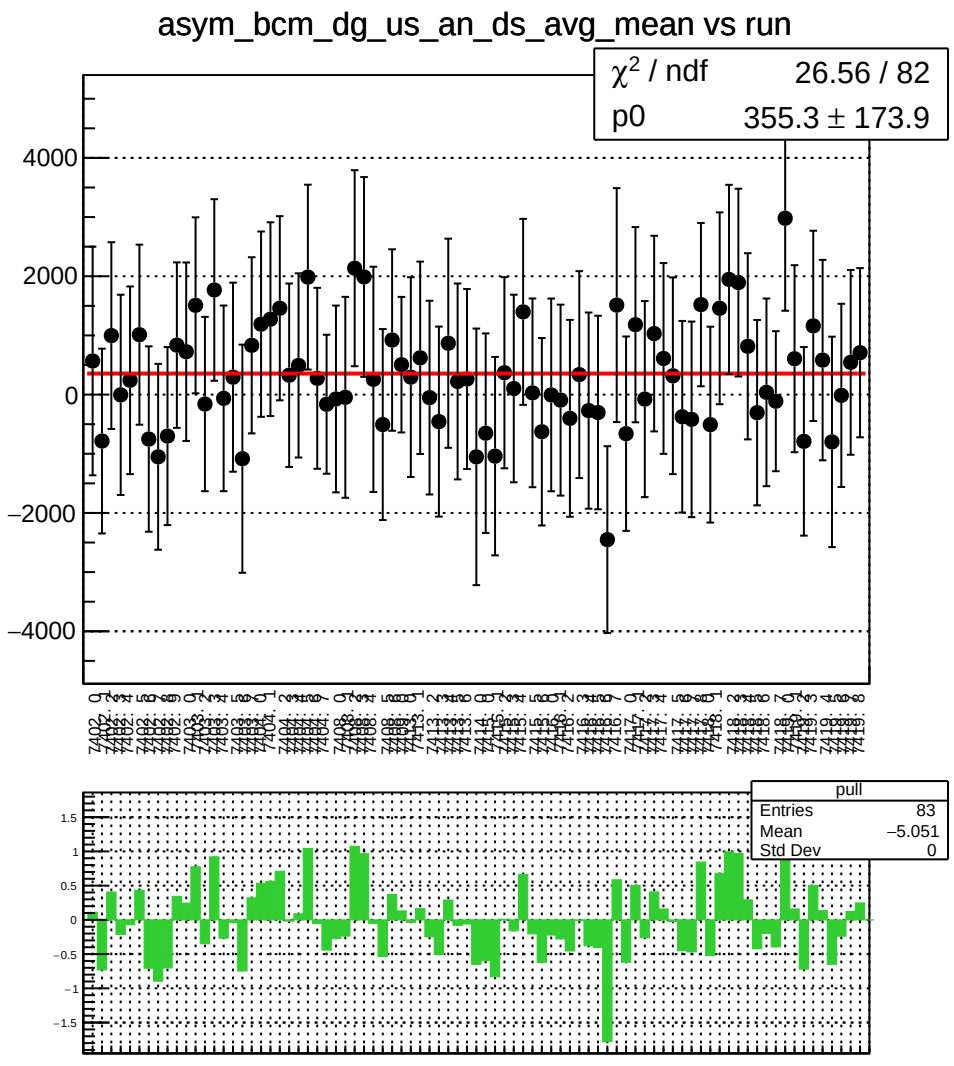

pull1D
Entries 83
Mean −0.003993
Std Dev 0.5111

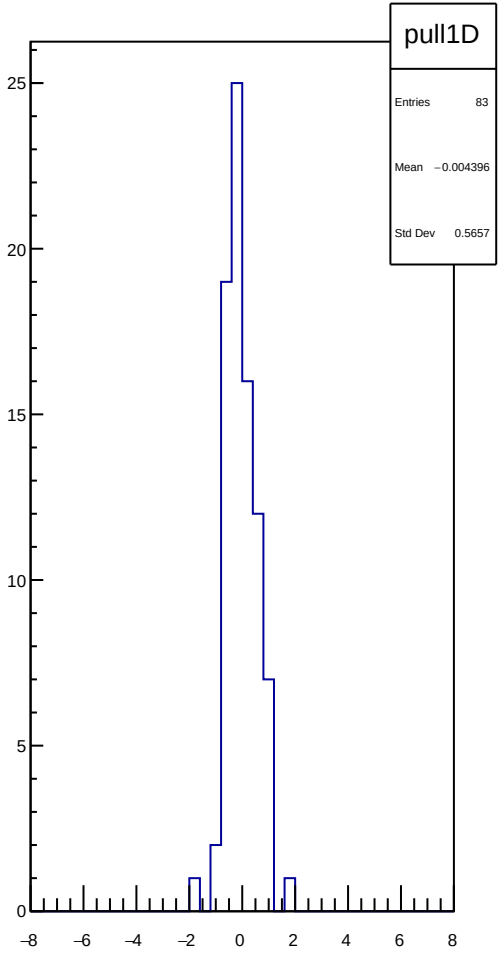

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 9143 / 82
p0 153.2 ± 0.1223
260
240
220
200
180
160
140

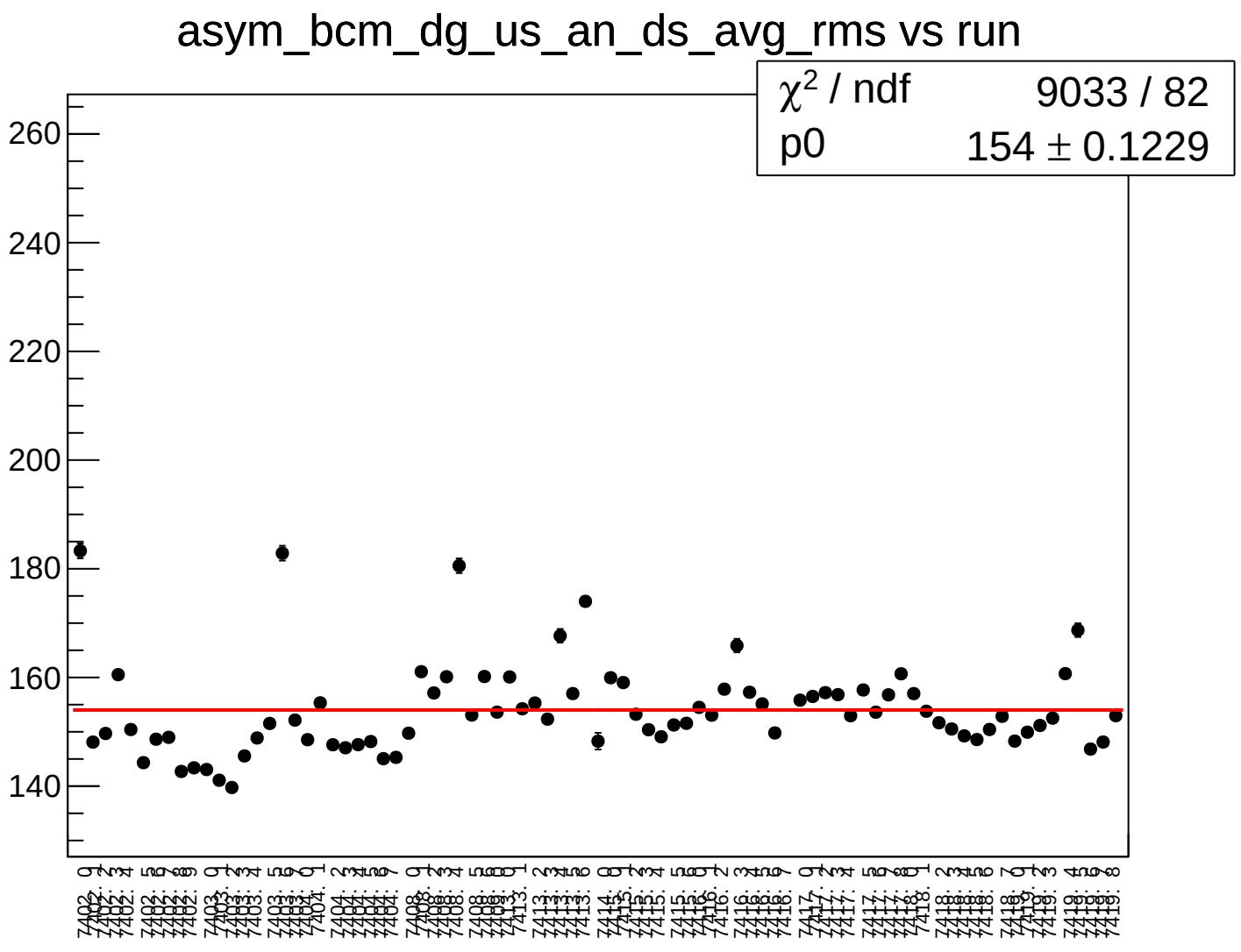

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 66.57 / 82
p0 2.15 ± 19.32
600
400
200
0
−200
−400
−600
pull
Entries 83
Mean 52.39
Std Dev 54.68
2
1.5
1
0.5
0
−0.5
−1
−1.5

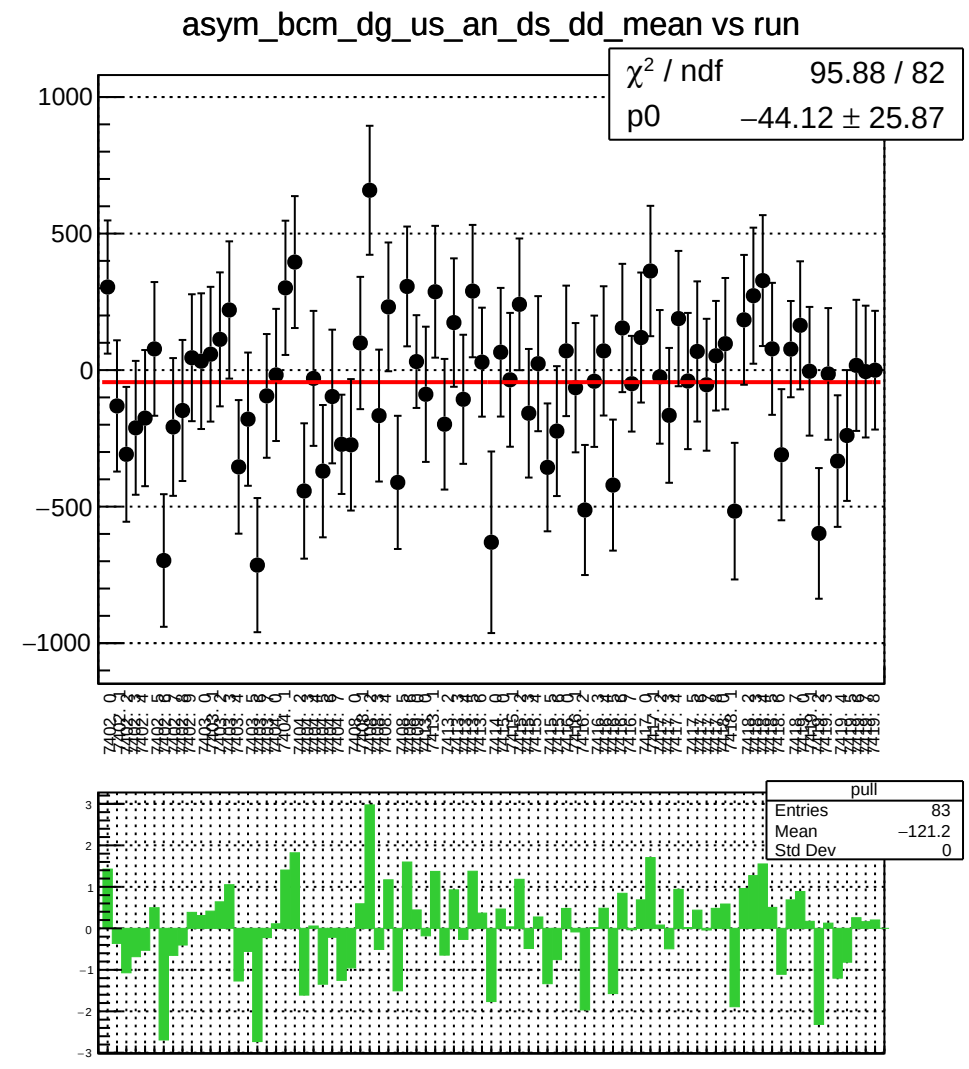

pull1D
Entries 83
Mean −0.009826
Std Dev 0.8955
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

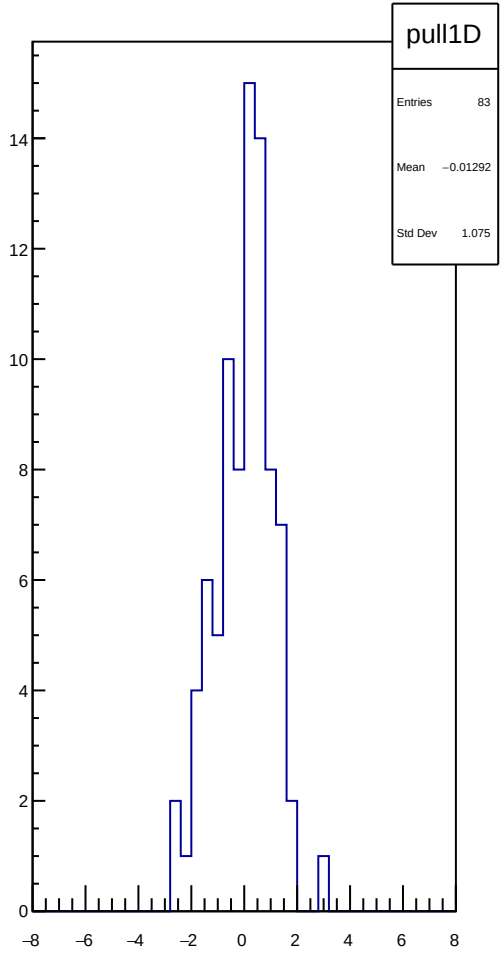

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 1015 / 82
p0 17.16 ± 0.01366
18.5
18
17.5
17
16.5
16

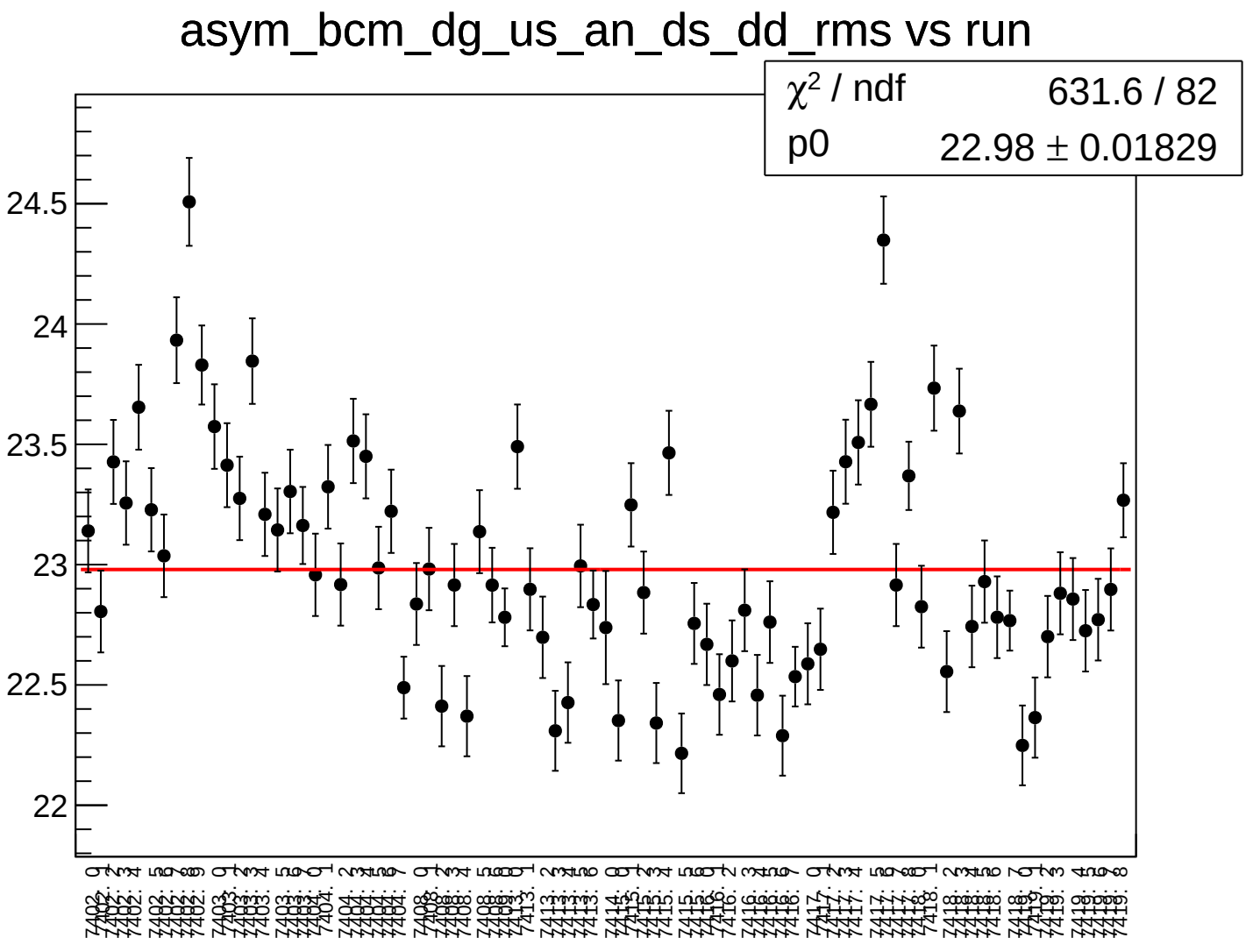

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 26.56 / 82
p0 355.3 ± 173.9
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −5.051
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

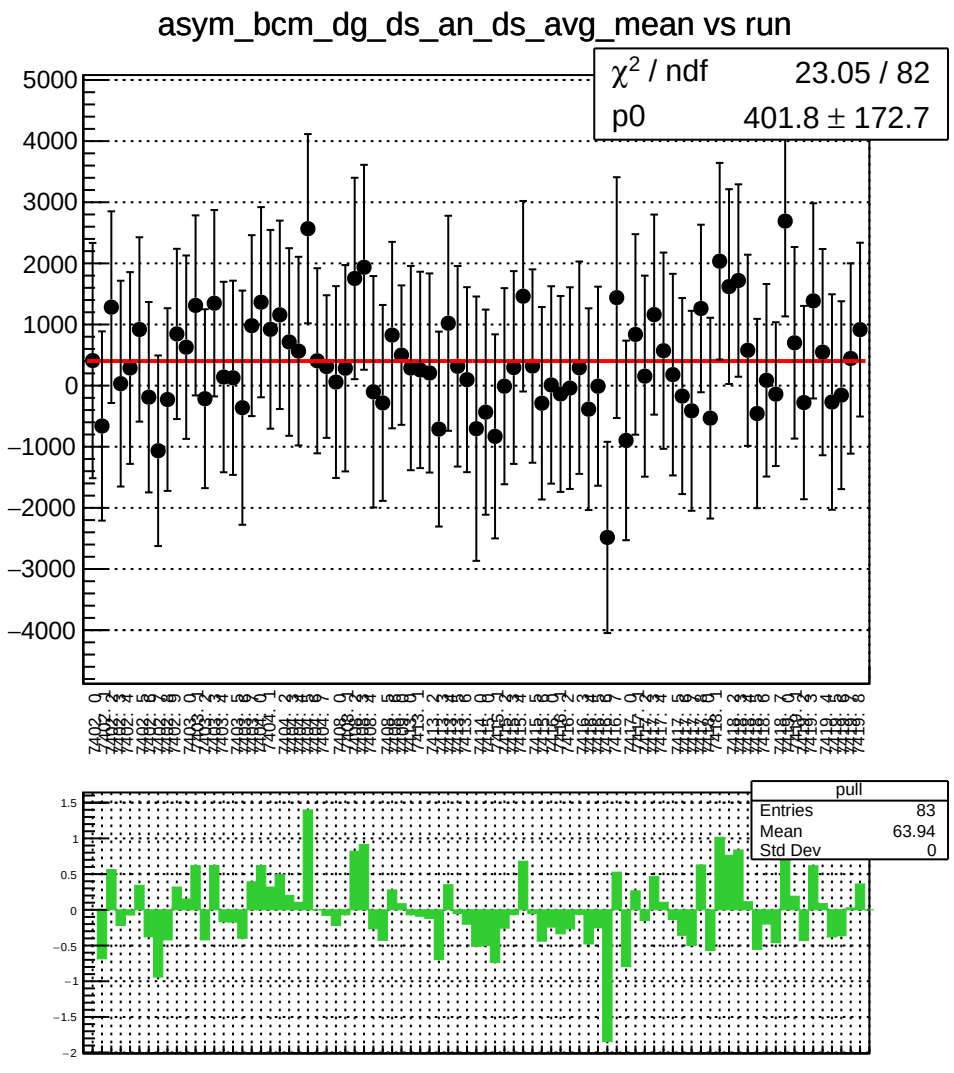

pull1D
Entries 83
Mean −0.004396
Std Dev 0.5657
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

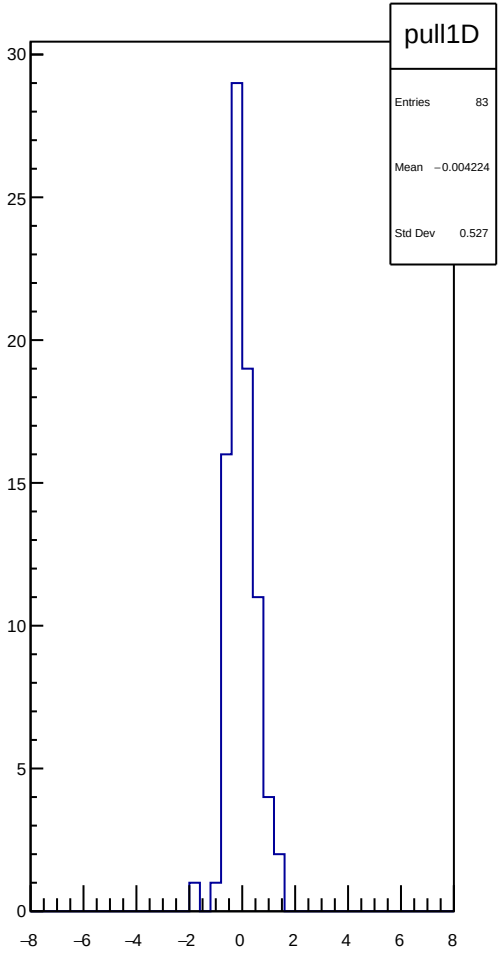

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 9033 / 82
p0 154 ± 0.1229
260
240
220
200
180
160
140

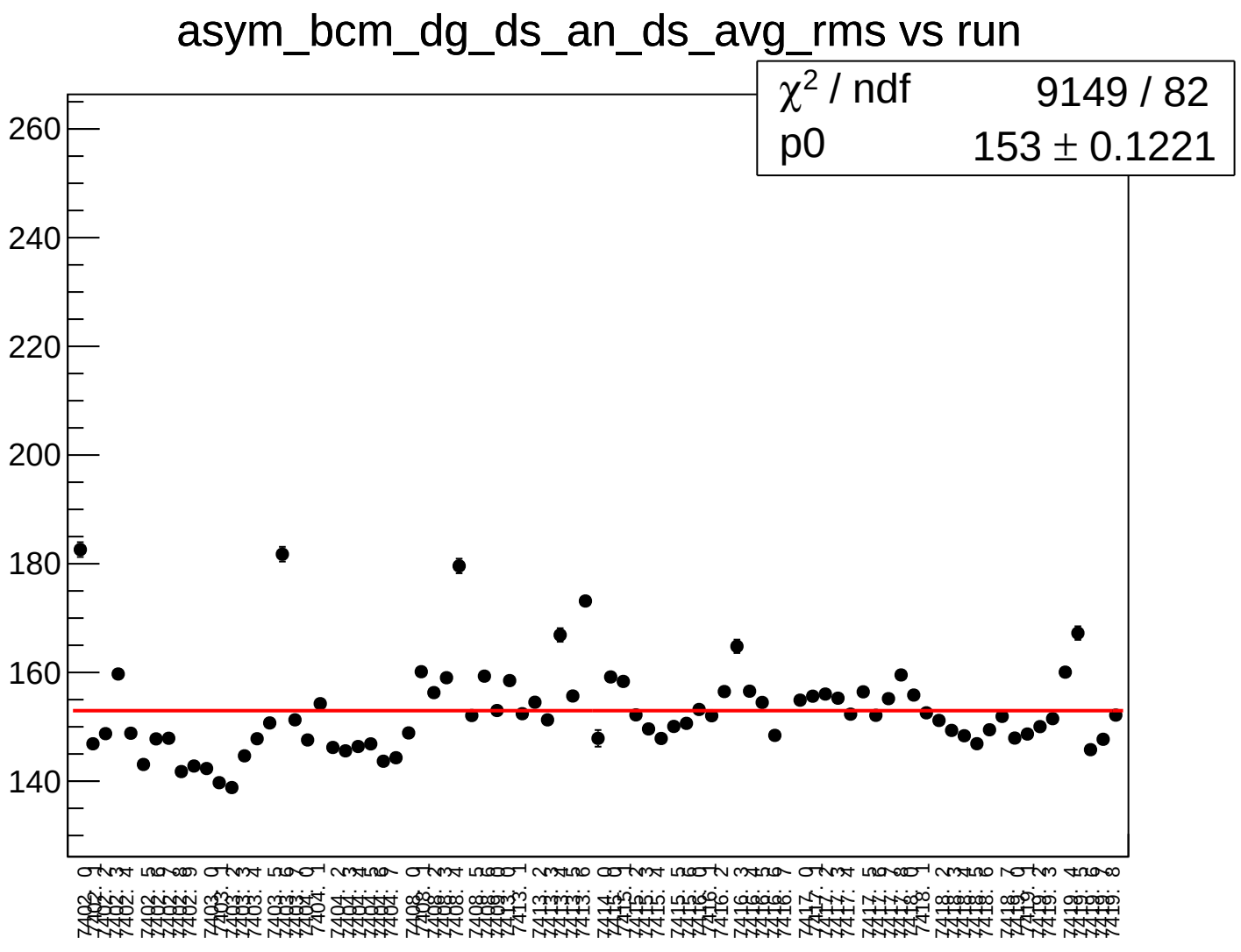

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 95.88 / 82
p0 −44.12 ± 25.87
1000
500
0
−500
−1000
pull
Entries 83
Mean −121.2
Std Dev 0
3
2
1
0
−1
−2
−3

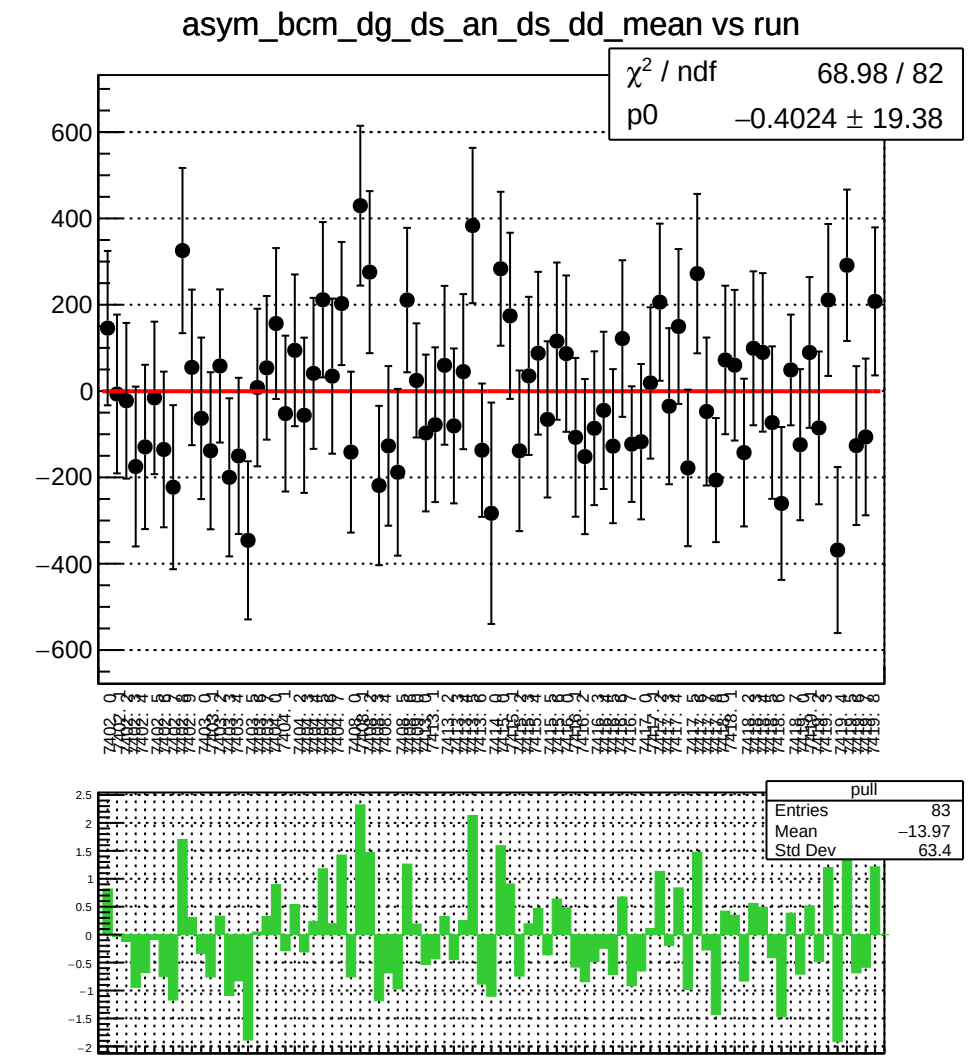

pull1D
Entries 83
Mean −0.01292
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

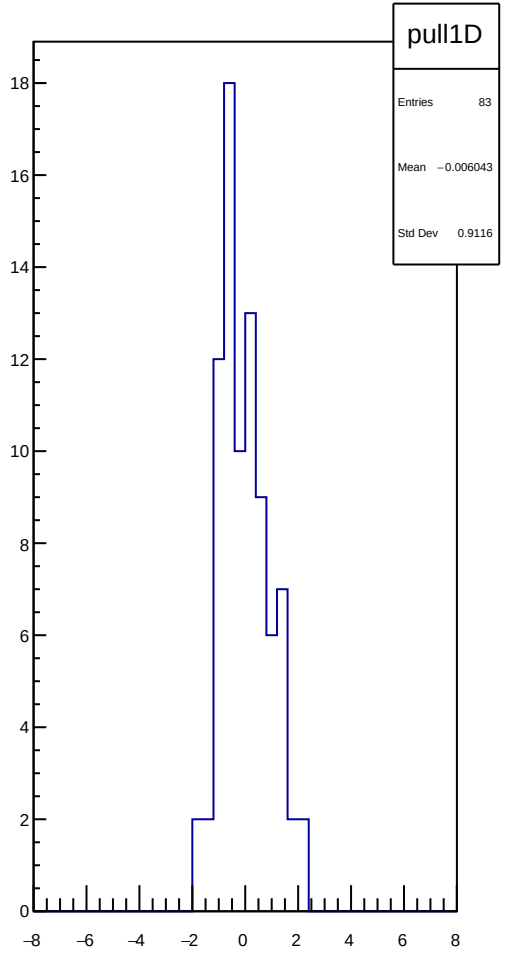

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 631.6 / 82
p0 22.98 ± 0.01829
24.5
24
23.5
23
22.5
22

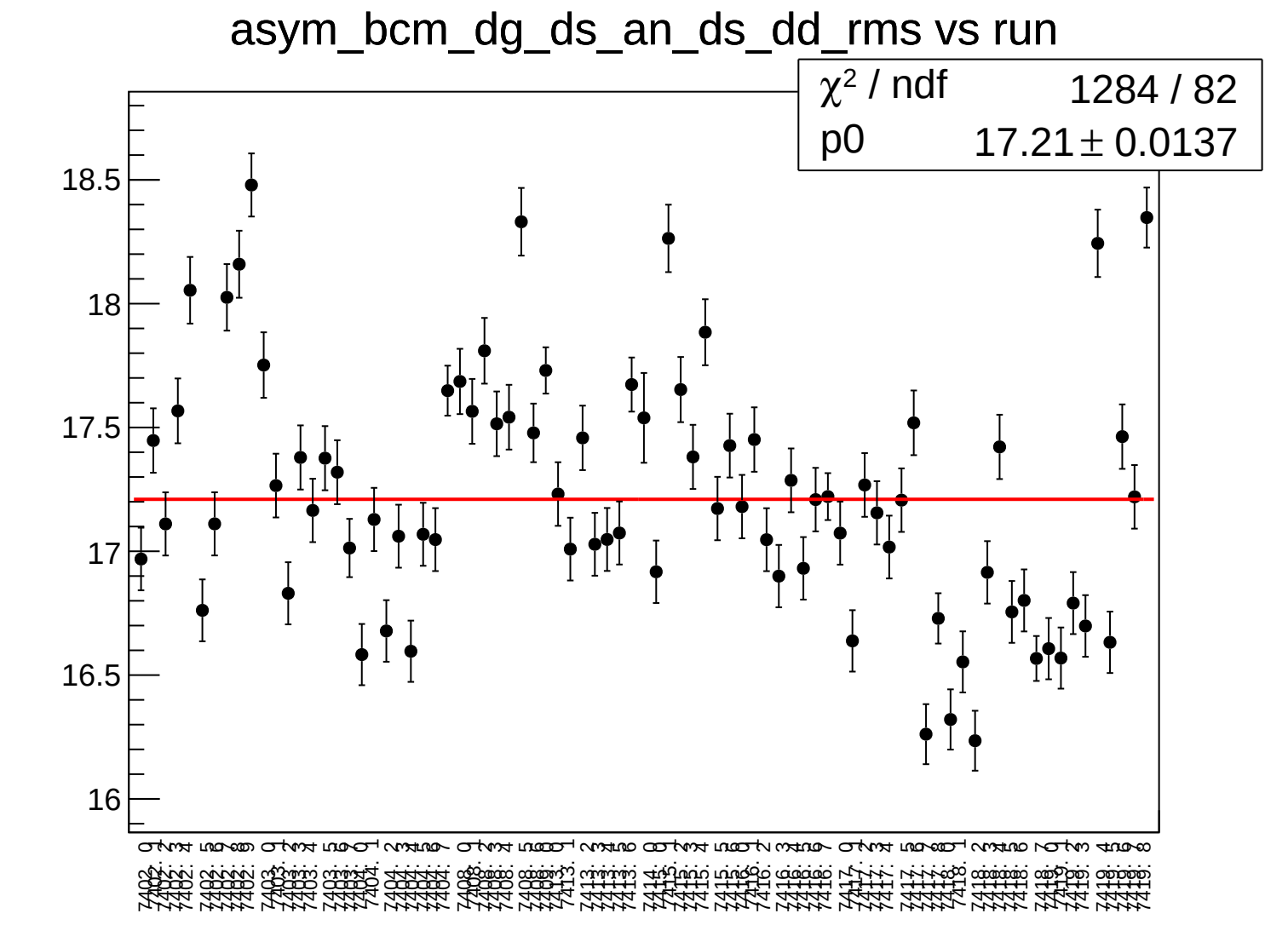

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 23.05 / 82
p0 401.8 ± 172.7
pull
Entries 83
Mean 63.94
Std Dev 0

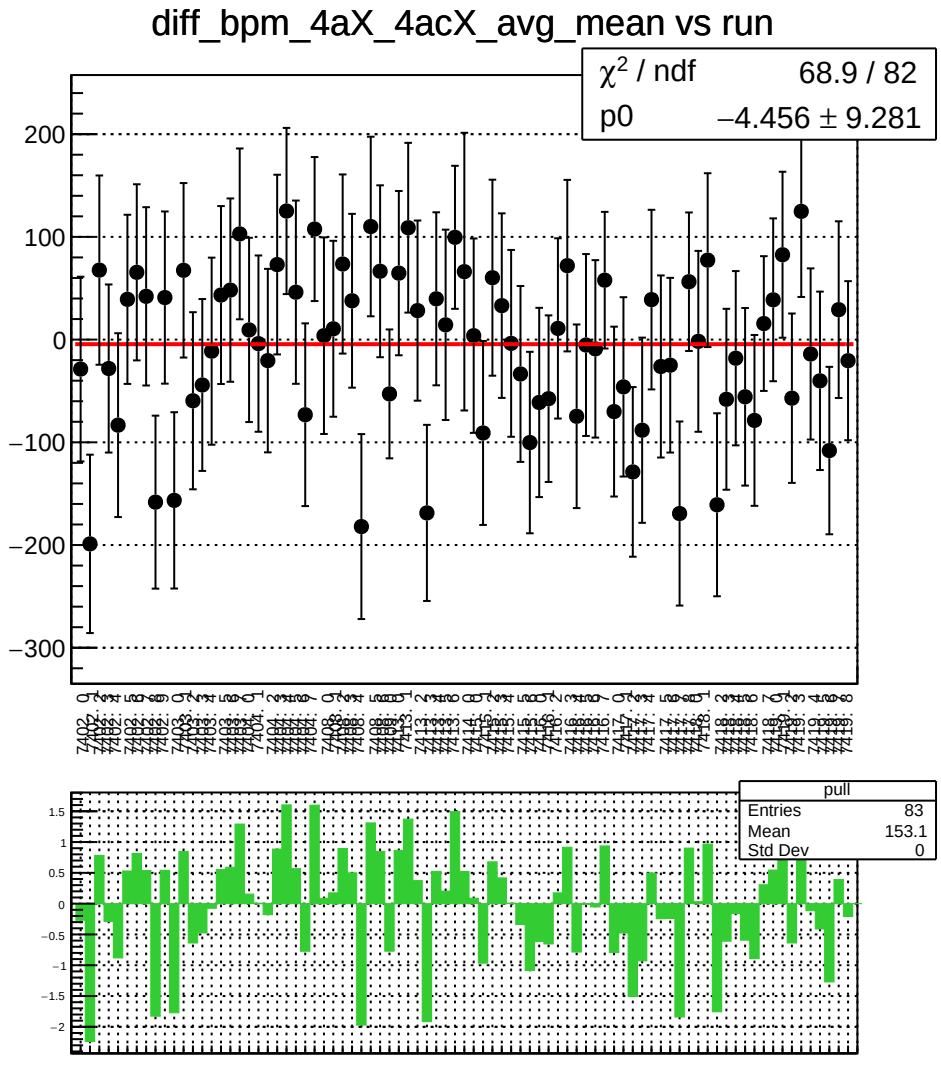

pull1D
Entries 83
Mean −0.004224
Std Dev 0.527

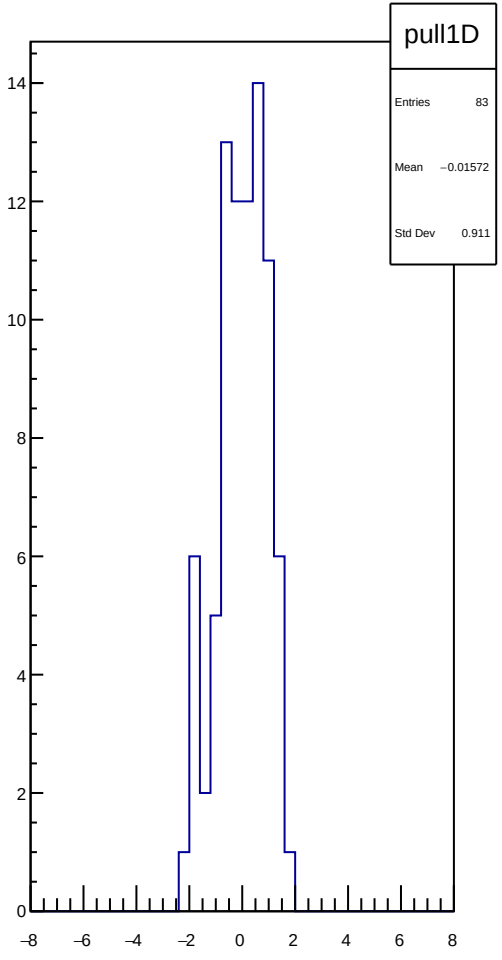

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 9149 / 82
p0 153 ± 0.1221
260
240
220
200
180
160
140

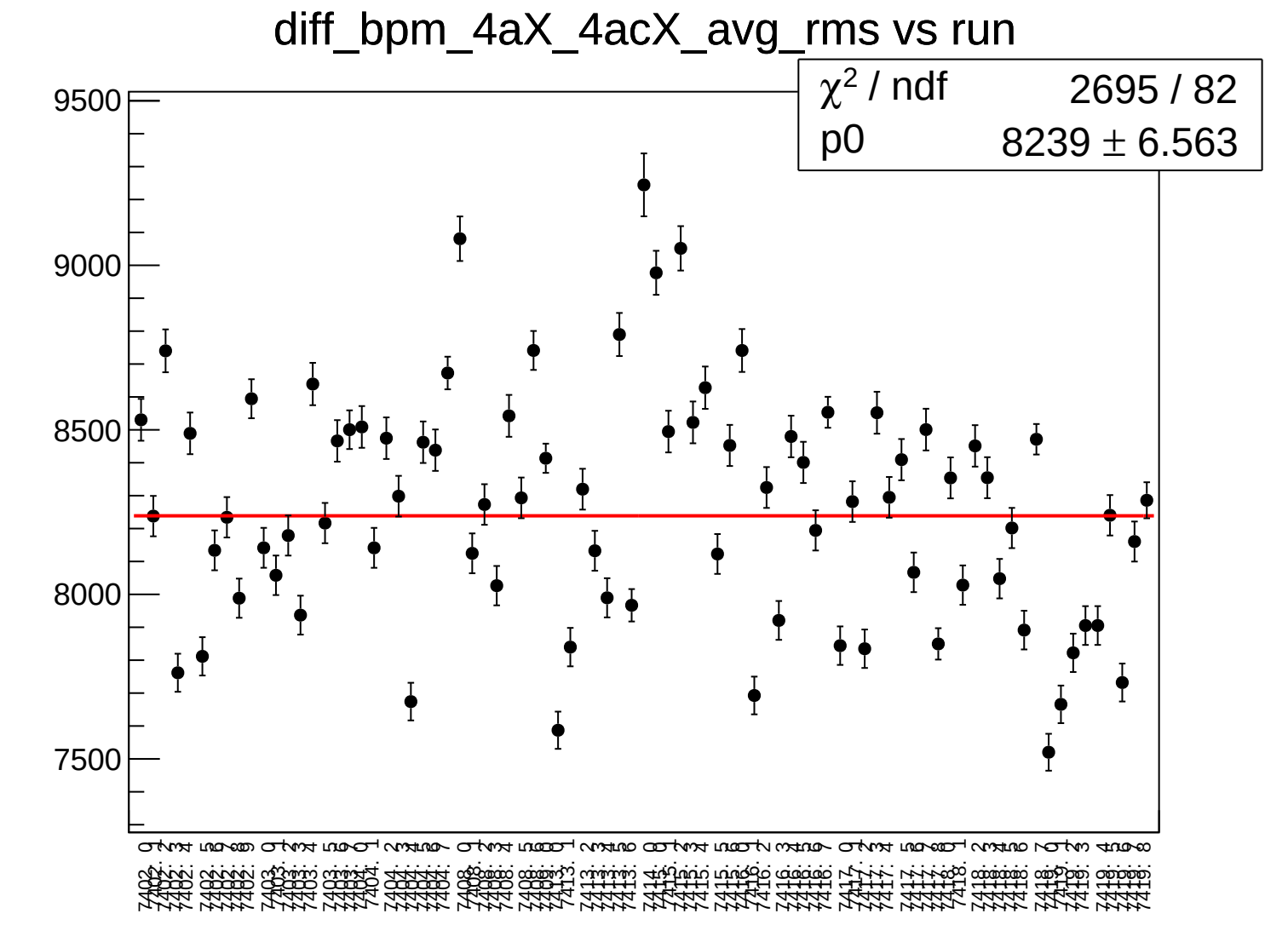

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 68.98 / 82
p0 −0.4024 ± 19.38
600
400
200
0
−200
−400
−600
pull
Entries 83
Mean −13.97
Std Dev 63.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

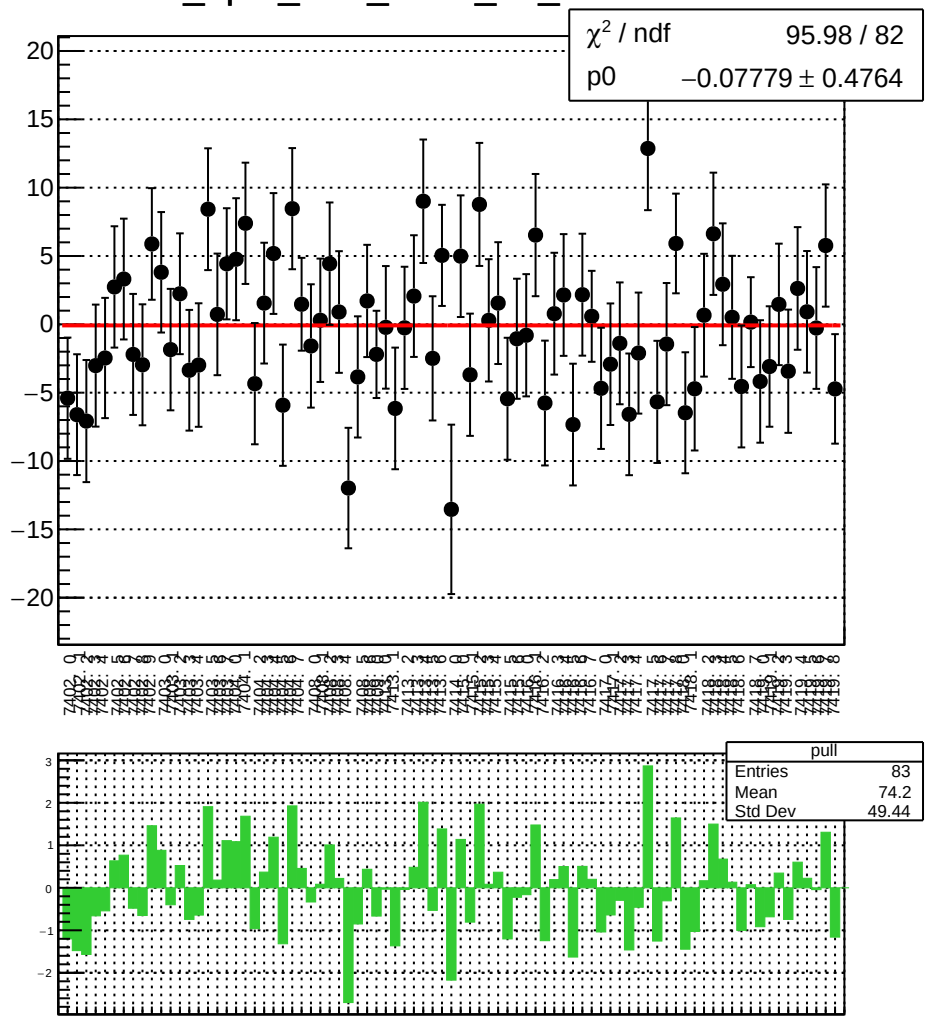

pull1D
Entries 83
Mean −0.006043
Std Dev 0.9116
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

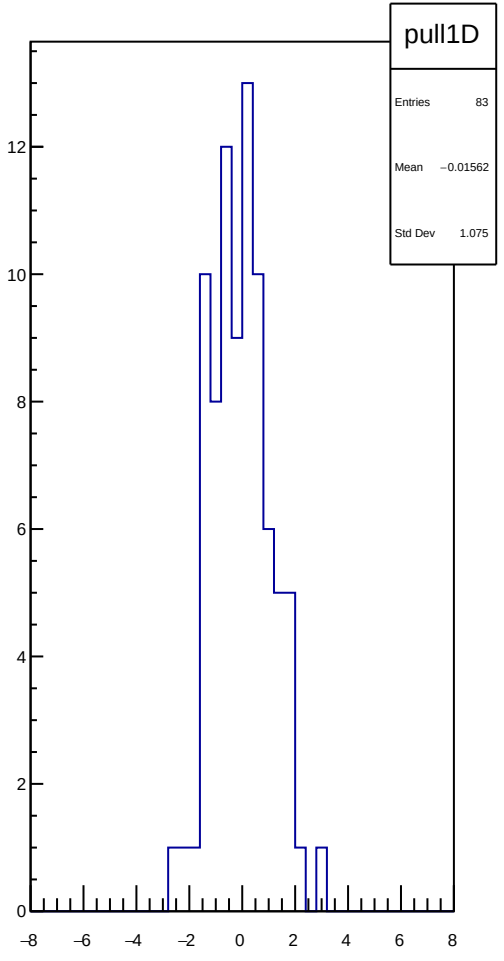

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1284 / 82
p0 17.21 ± 0.0137
18.5
18
17.5
17
16.5
16

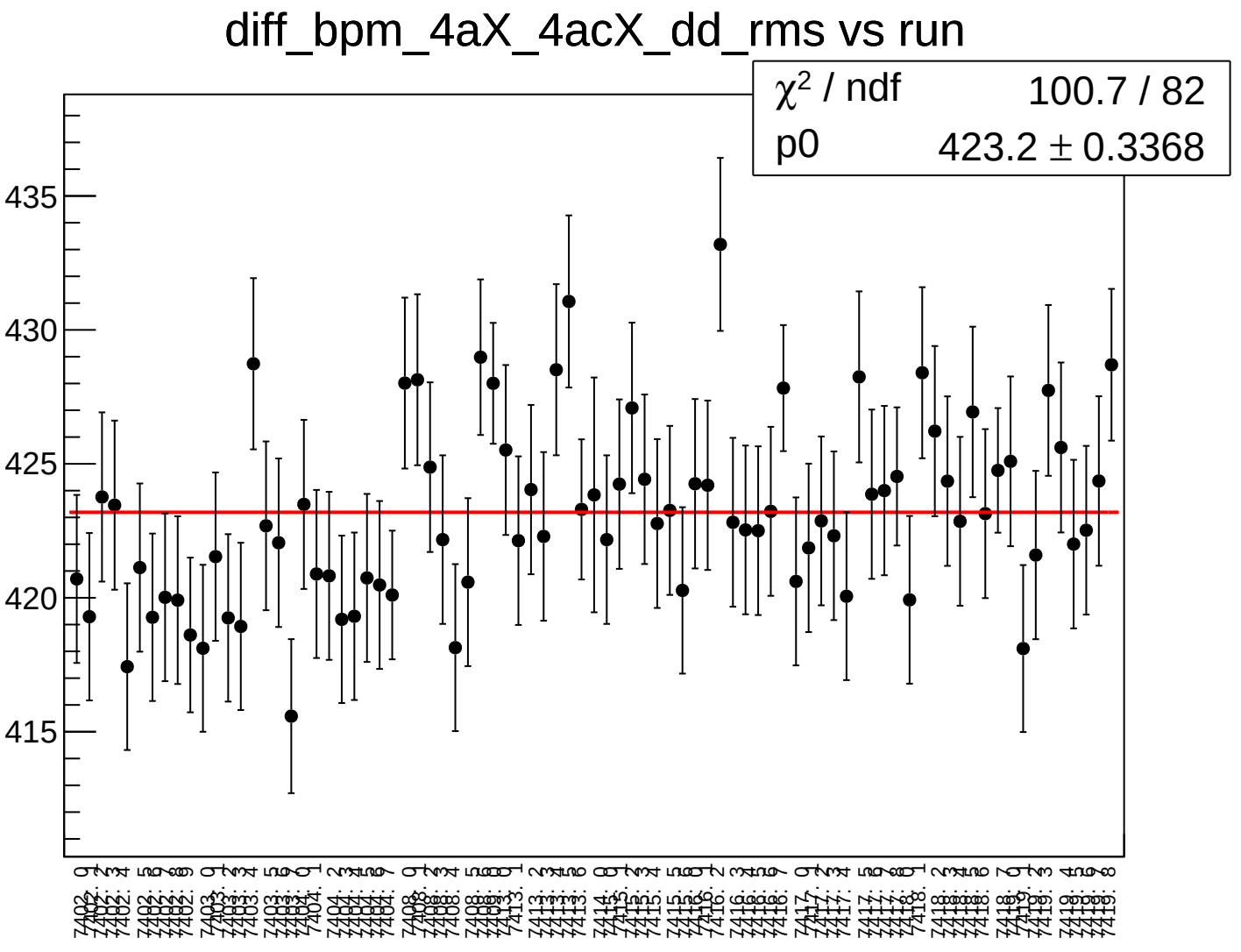

diff_bpm_4aX_4acX_avg_mean vs run
χ^2 / ndf 68.9 / 82
p0 −4.456 ± 9.281
200
100
0
−100
−200
−300
pull
Entries 83
Mean 153.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

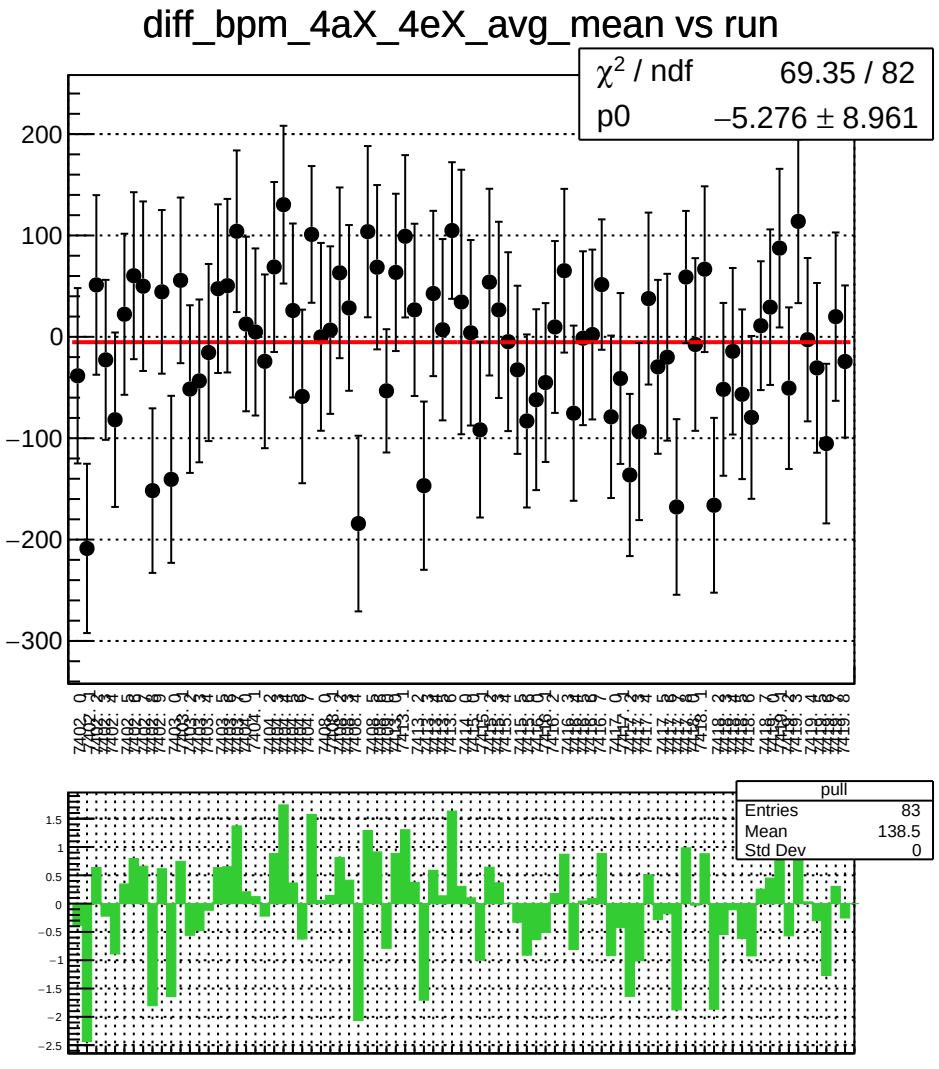

pull1D
Entries 83
Mean −0.01572
Std Dev 0.911
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

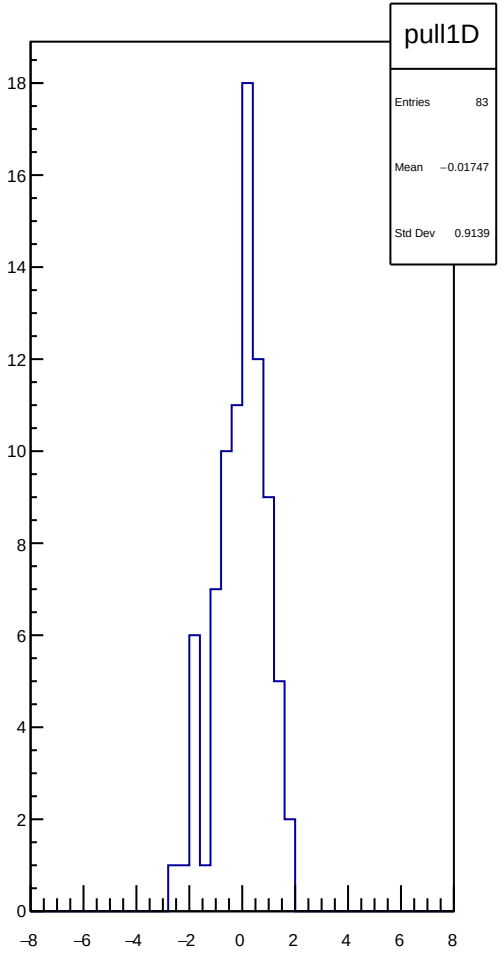

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 2695 / 82
p0 8239 ± 6.563
9500
9000
8500
8000
7500

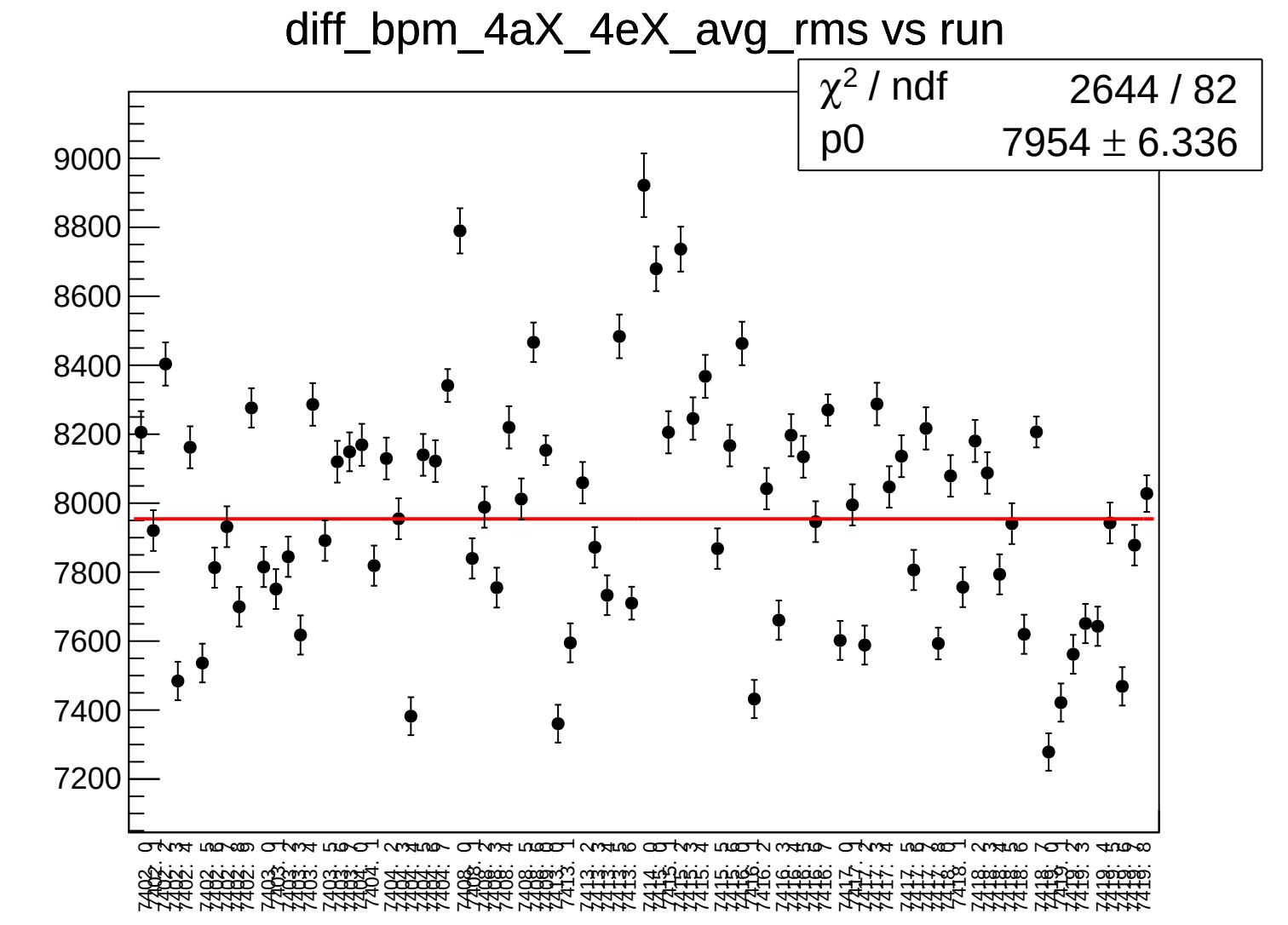

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 95.98 / 82
p0 −0.07779 ± 0.4764
pull
Entries 83
Mean 74.2
Std Dev 49.44

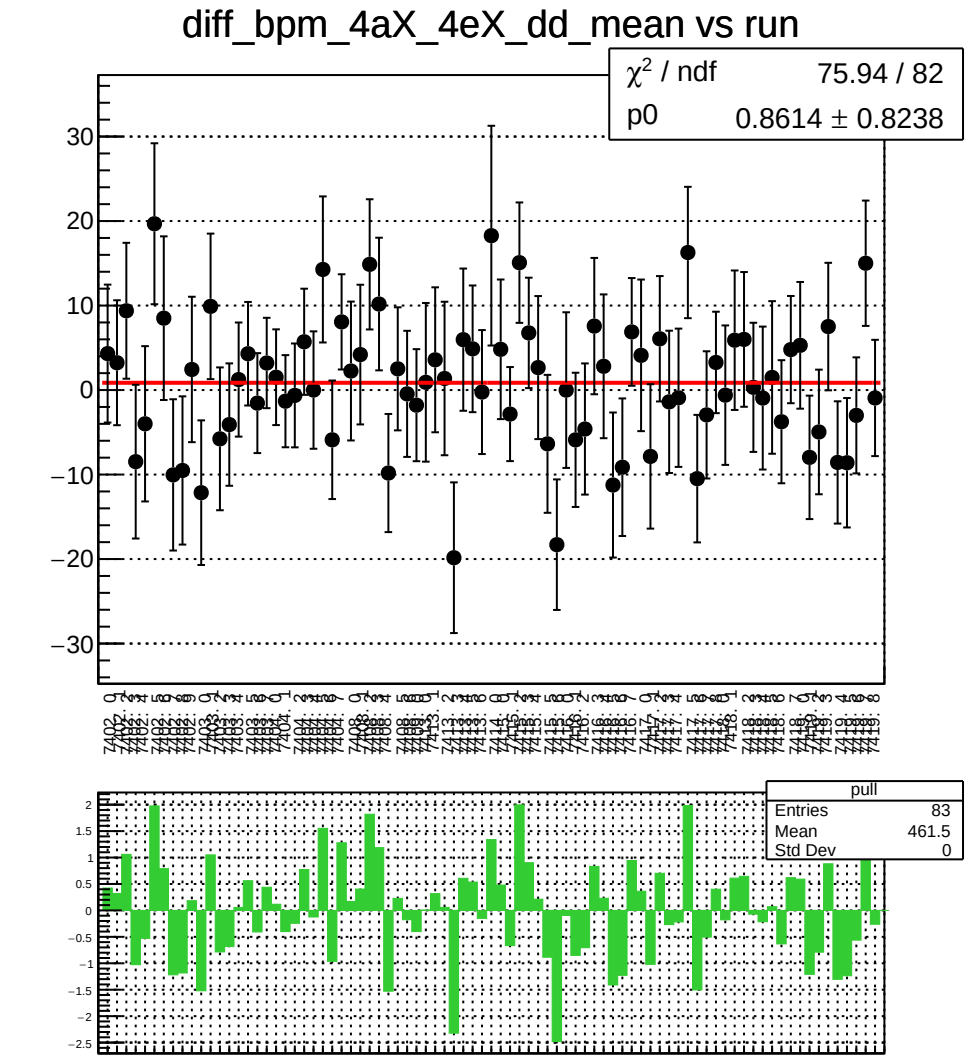

pull1D
Entries 83
Mean −0.01562
Std Dev 1.075

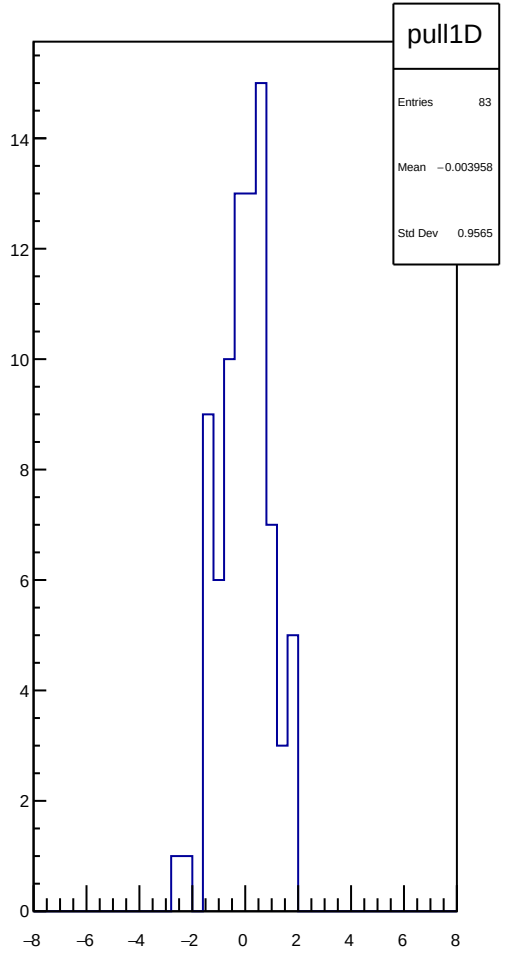

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 100.7 / 82
p0 423.2 ± 0.3368
435
430
425
420
415

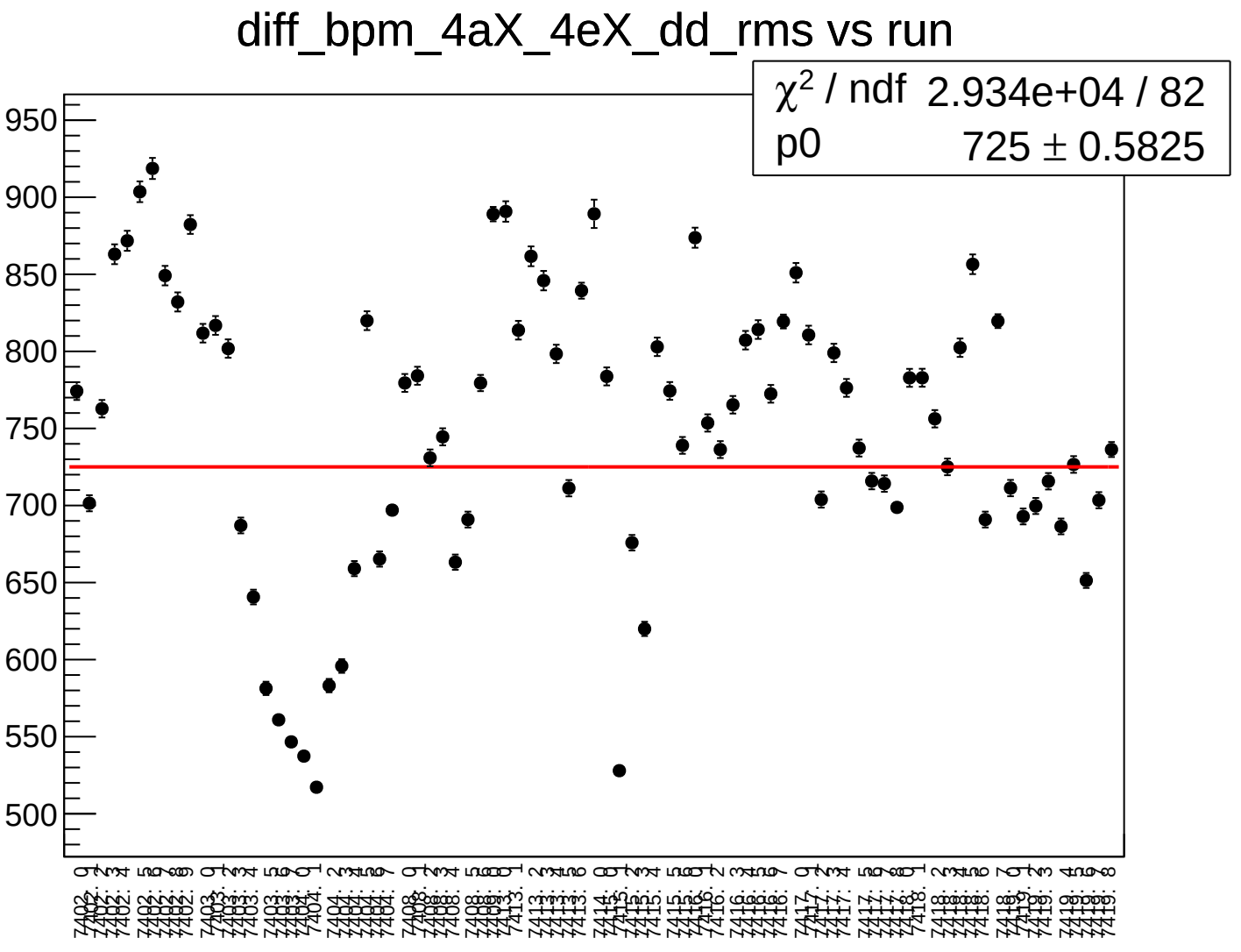

diff_bpm_4aX_4eX_avg_mean vs run
χ^2 / ndf 69.35 / 82
p0 −5.276 ± 8.961
pull
Entries 83
Mean 138.5
Std Dev 0

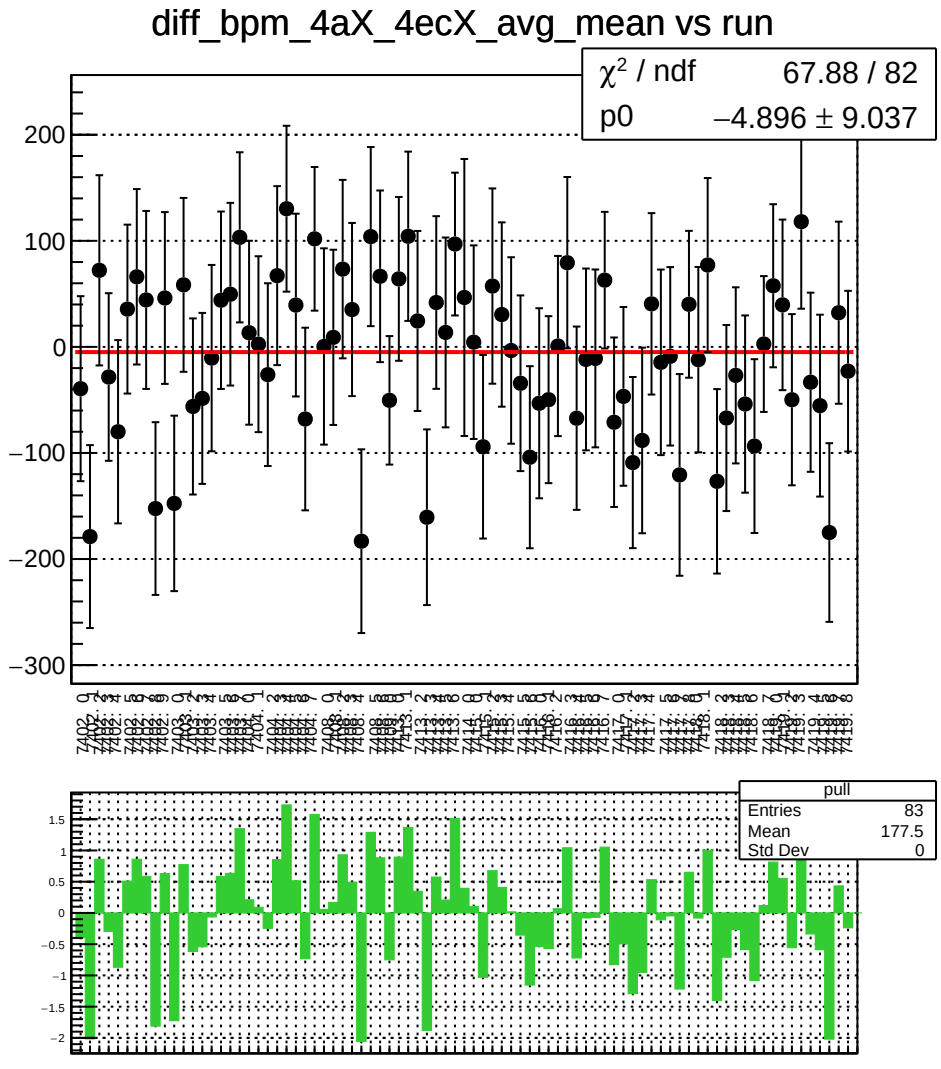

pull1D
Entries 83
Mean −0.01747
Std Dev 0.9139

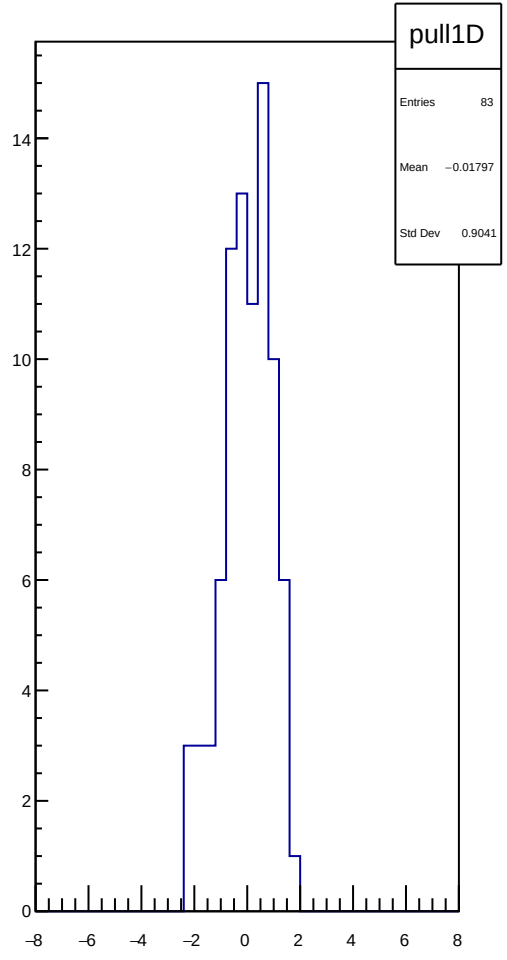

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 2644 / 82
p0 7954 ± 6.336
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

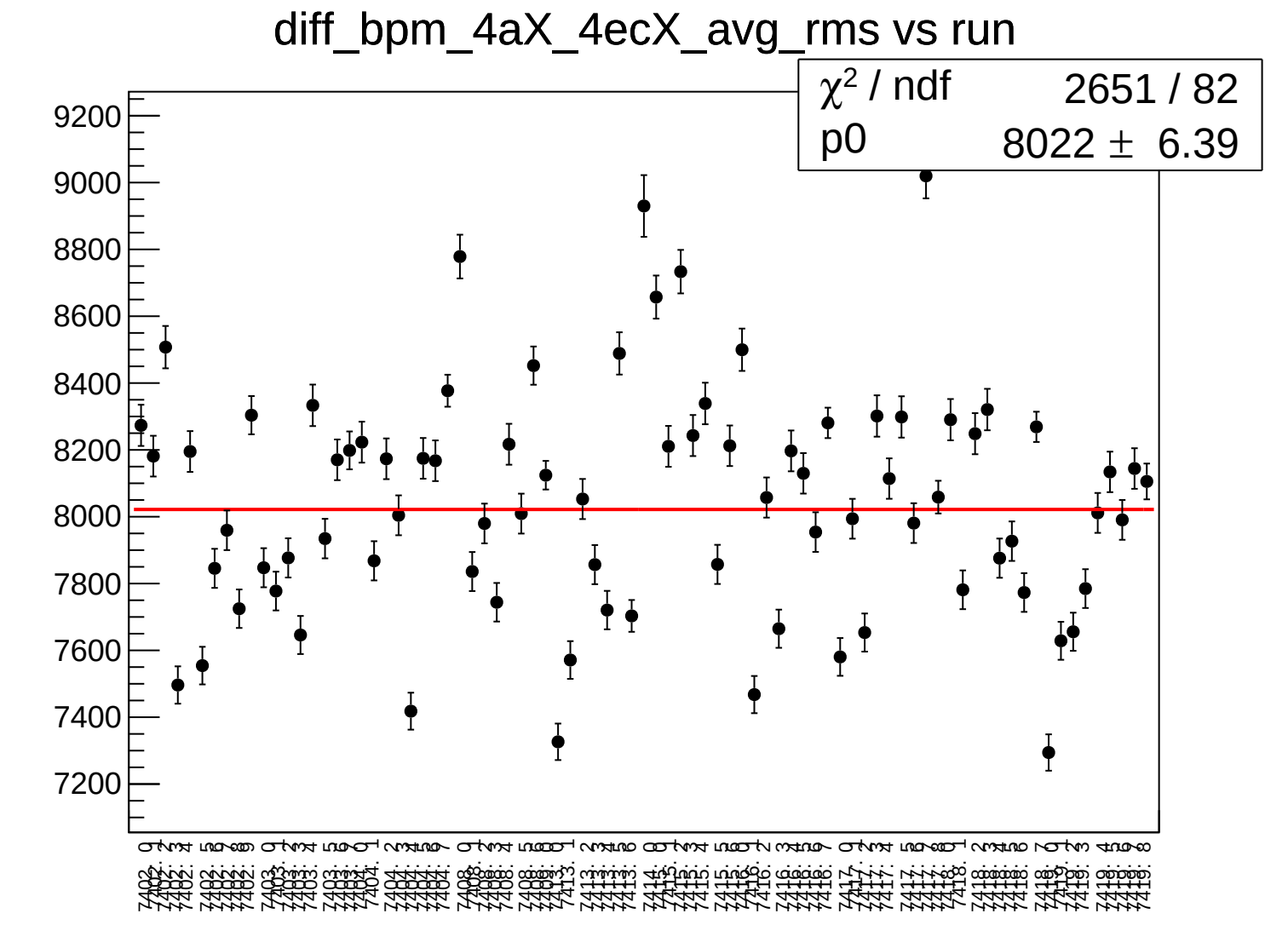

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 75.94 / 82
p0 0.8614 ± 0.8238
pull
Entries 83
Mean 461.5
Std Dev 0

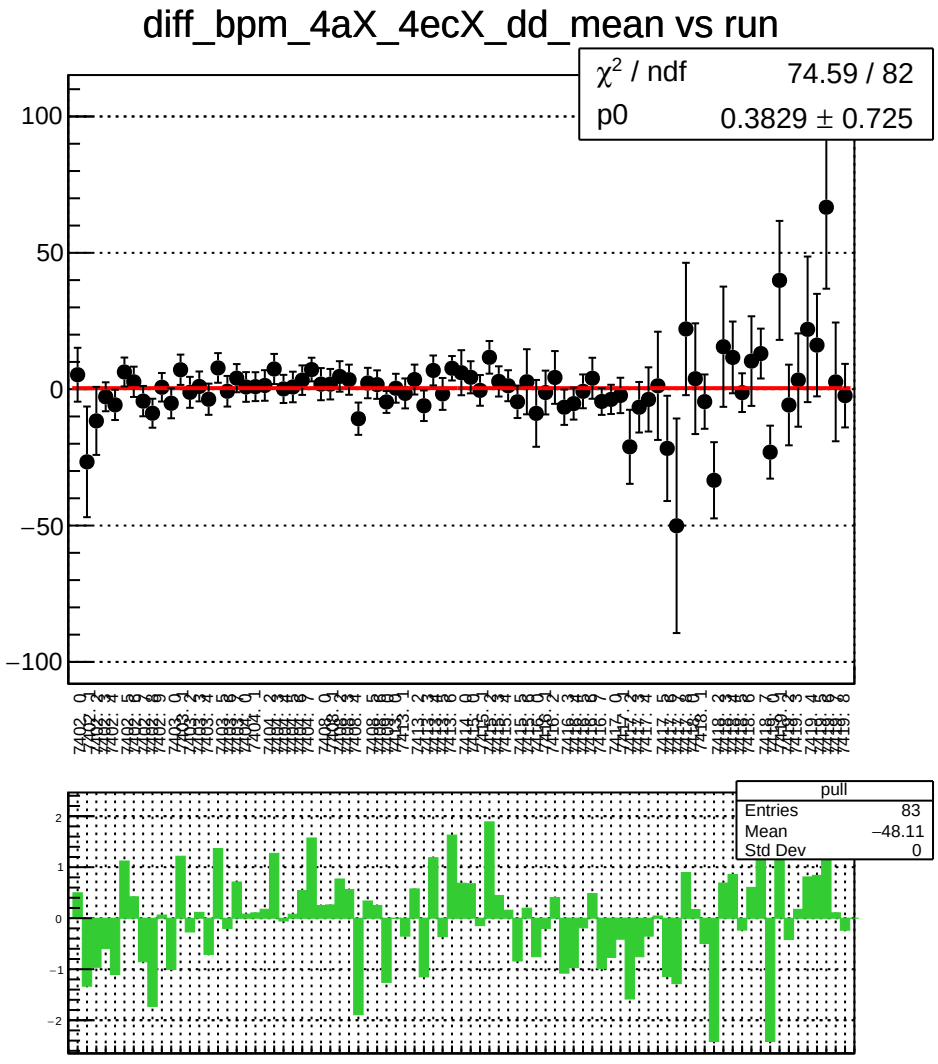

pull1D
Entries 83
Mean −0.003958
Std Dev 0.9565

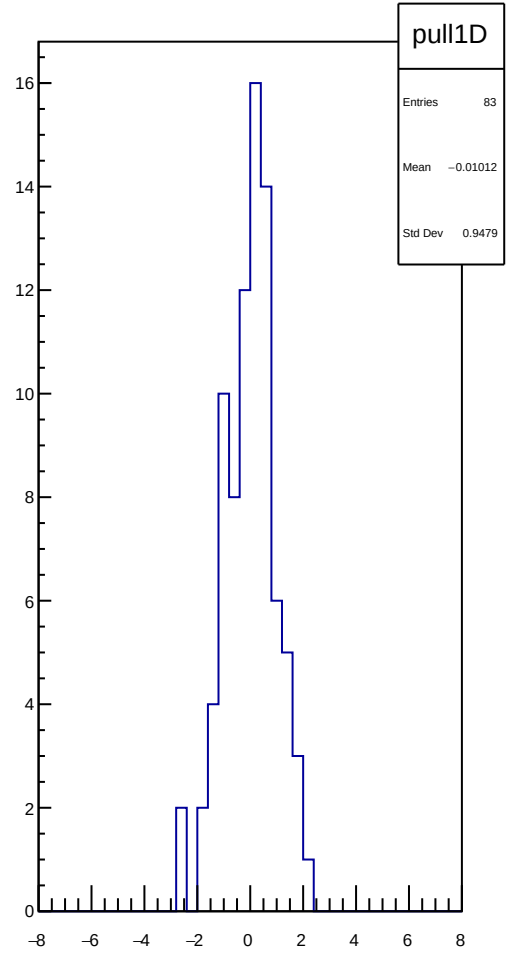

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2.934e+04 / 82
p0 725 ± 0.5825
950
900
850
800
750
700
650
600
550
500

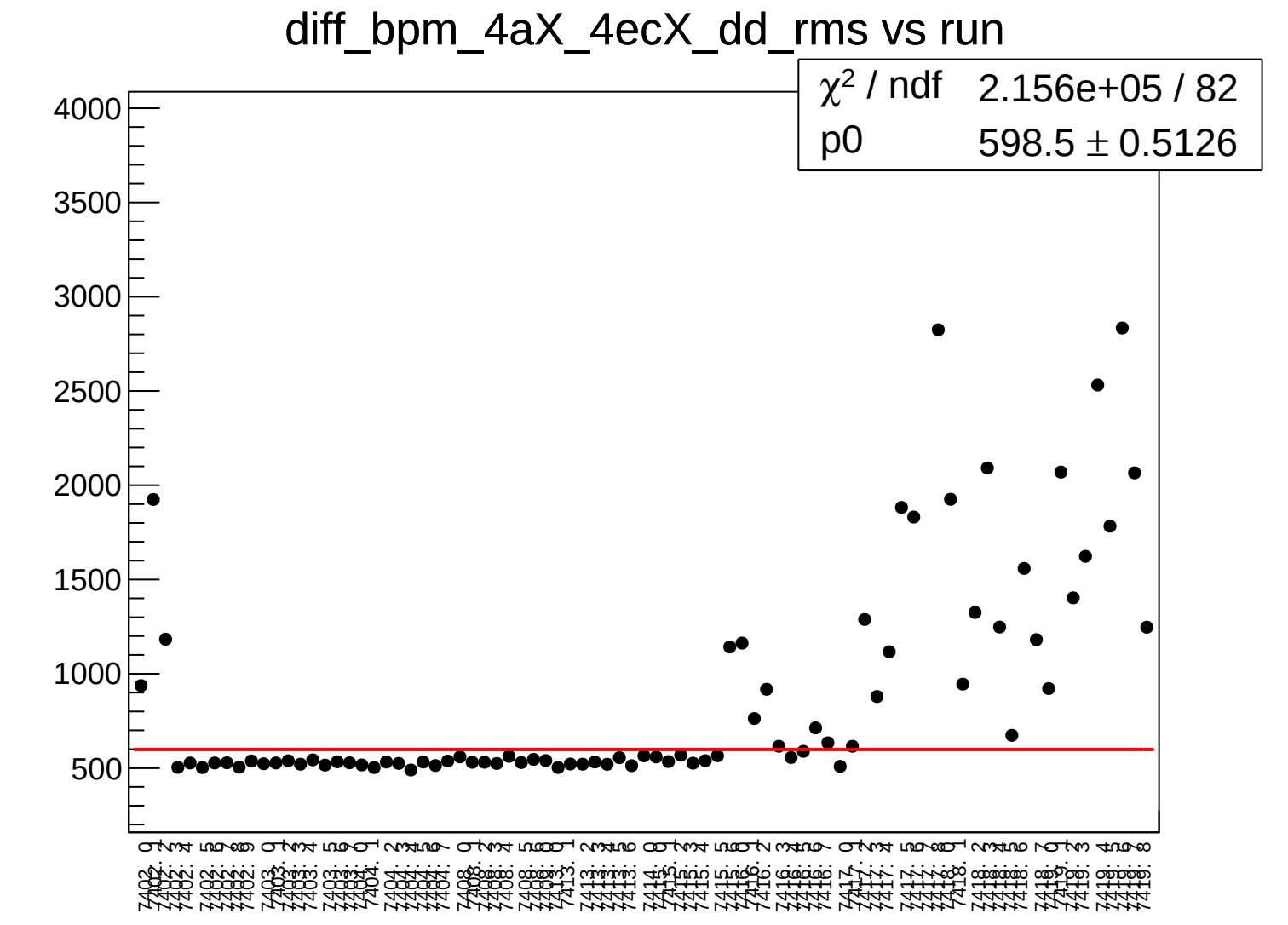

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 67.88 / 82
p0 −4.896 ± 9.037
200
100
0
−100
−200
−300
pull
Entries 83
Mean 177.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

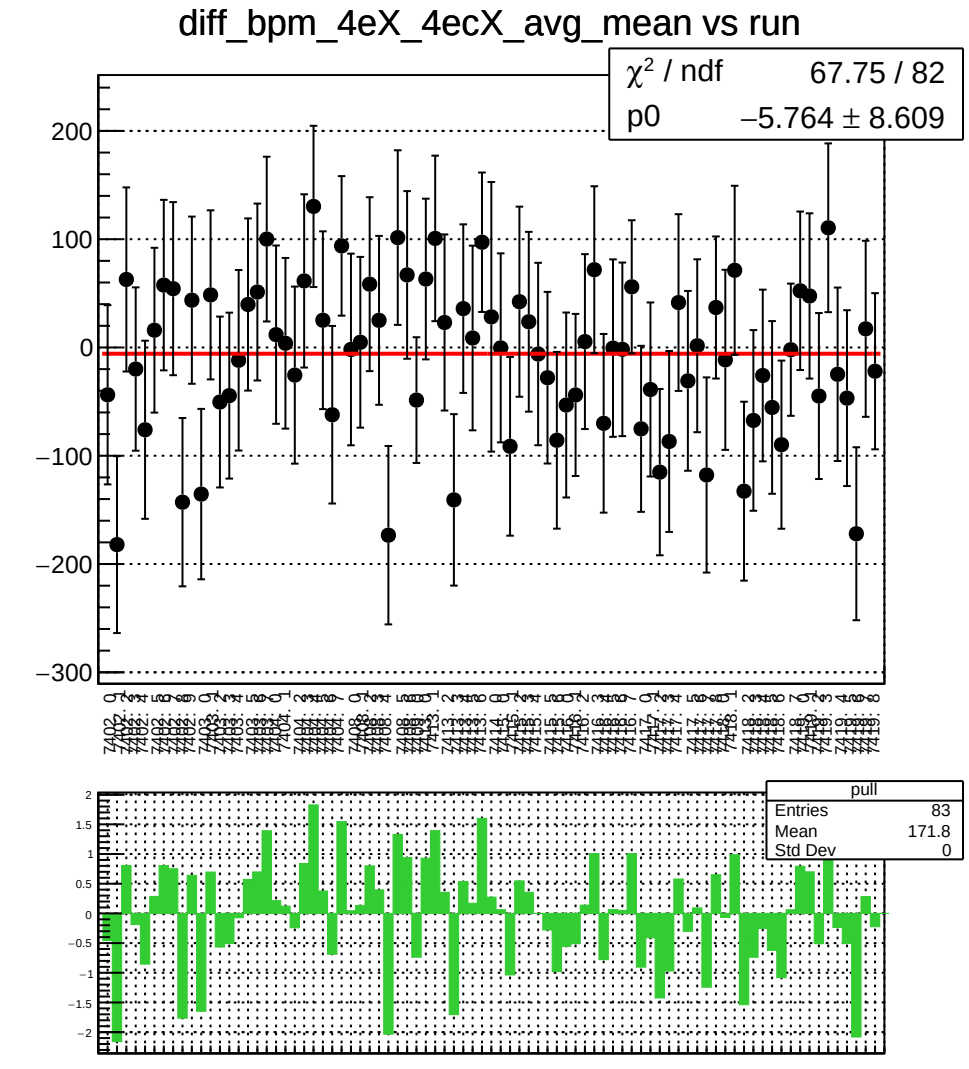

pull1D
Entries 83
Mean −0.01797
Std Dev 0.9041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

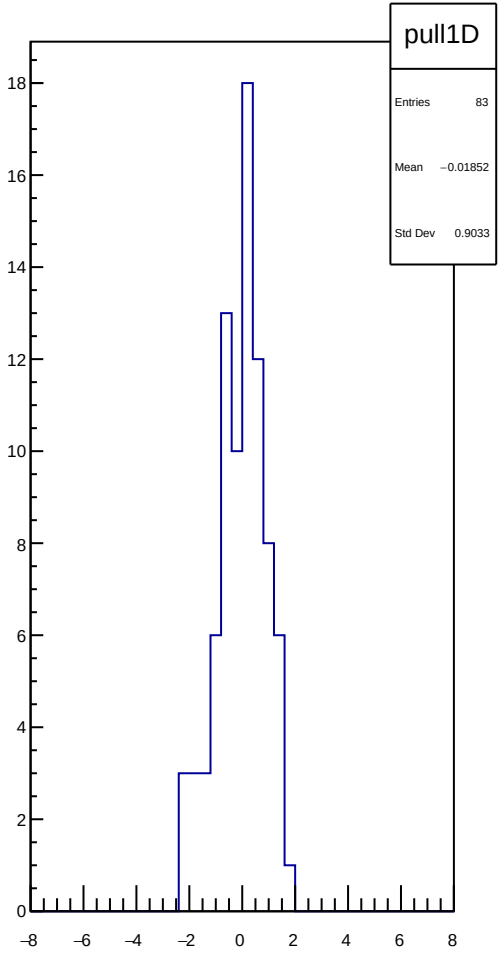

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 2651 / 82
p0 8022 ± 6.39
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

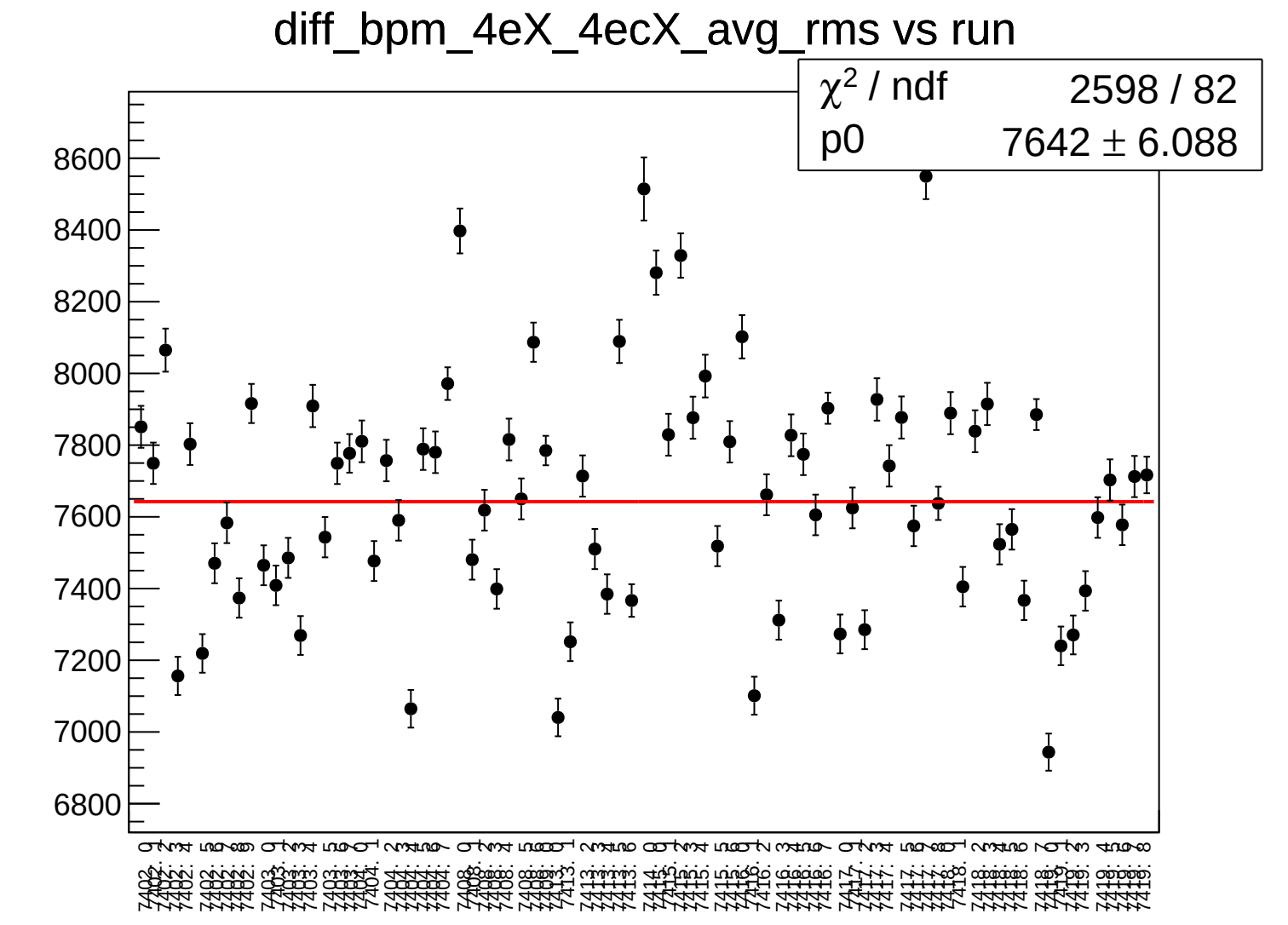

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 74.59 / 82
p0 0.3829 ± 0.725
100
50
0
−50
−100
pull
Entries 83
Mean −48.11
Std Dev 0
2
1
0
−1
−2

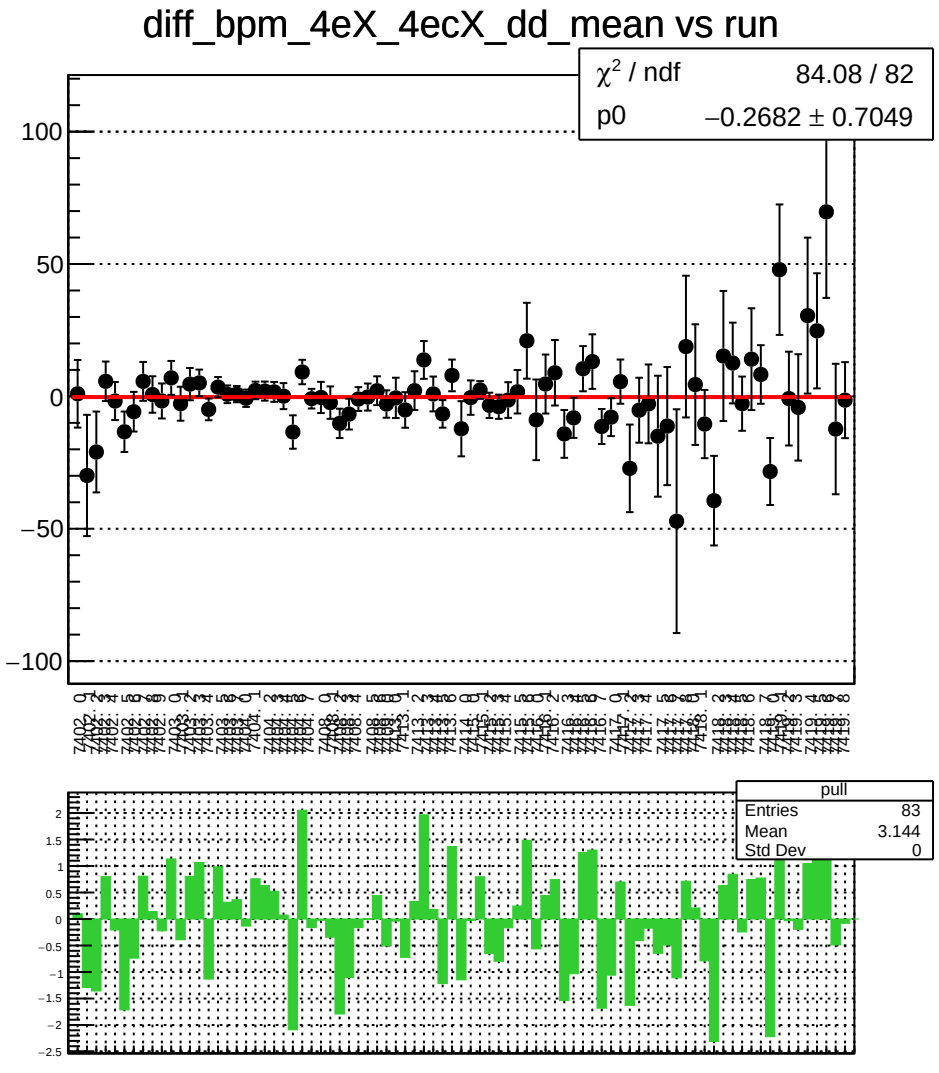

pull1D
Entries 83
Mean −0.01012
Std Dev 0.9479
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

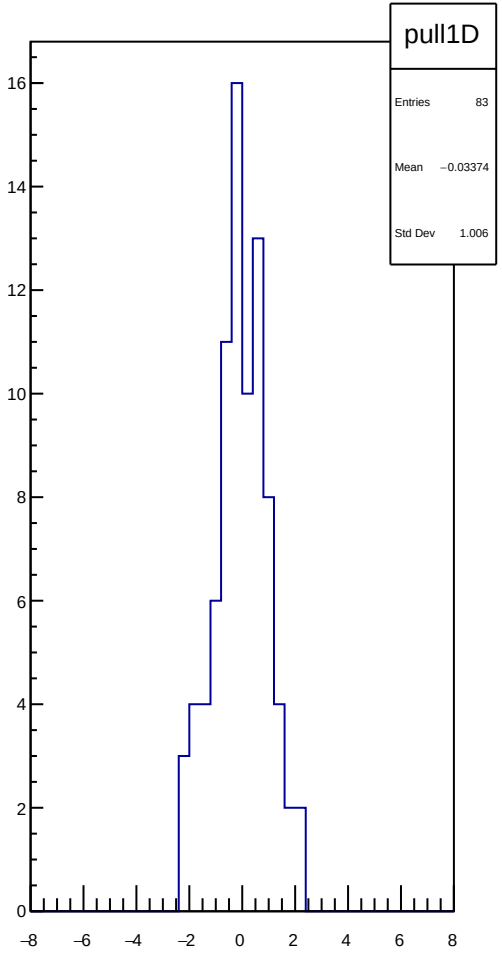

diff_bpm_4aX_4ecX_dd_rms vs run
χ^2 / ndf 2.156e+05 / 82
p0 598.5 ± 0.5126
4000
3500
3000
2500
2000
1500
1000
500

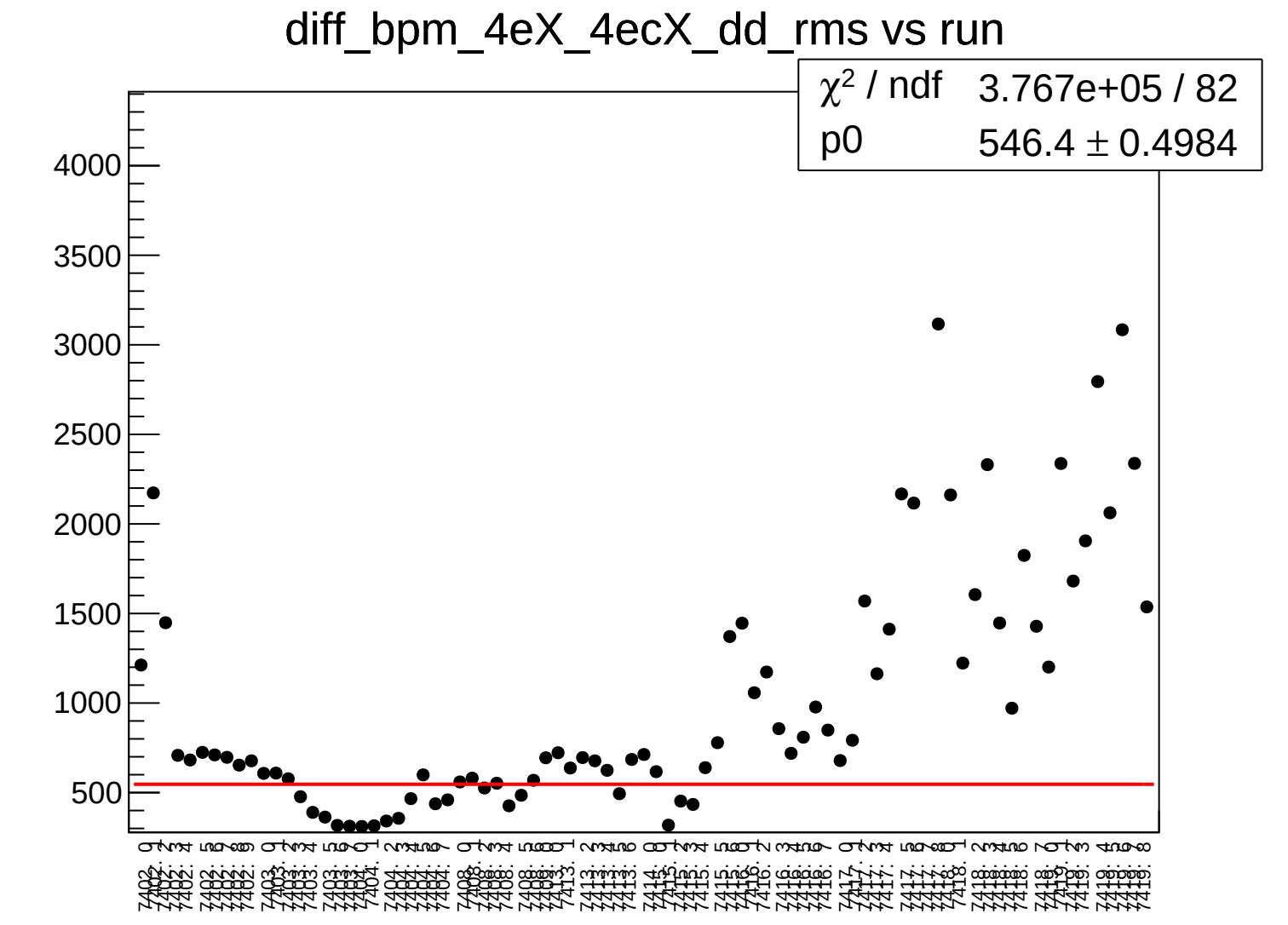

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 67.75 / 82
p0 −5.764 ± 8.609
pull
Entries 83
Mean 171.8
Std Dev 0

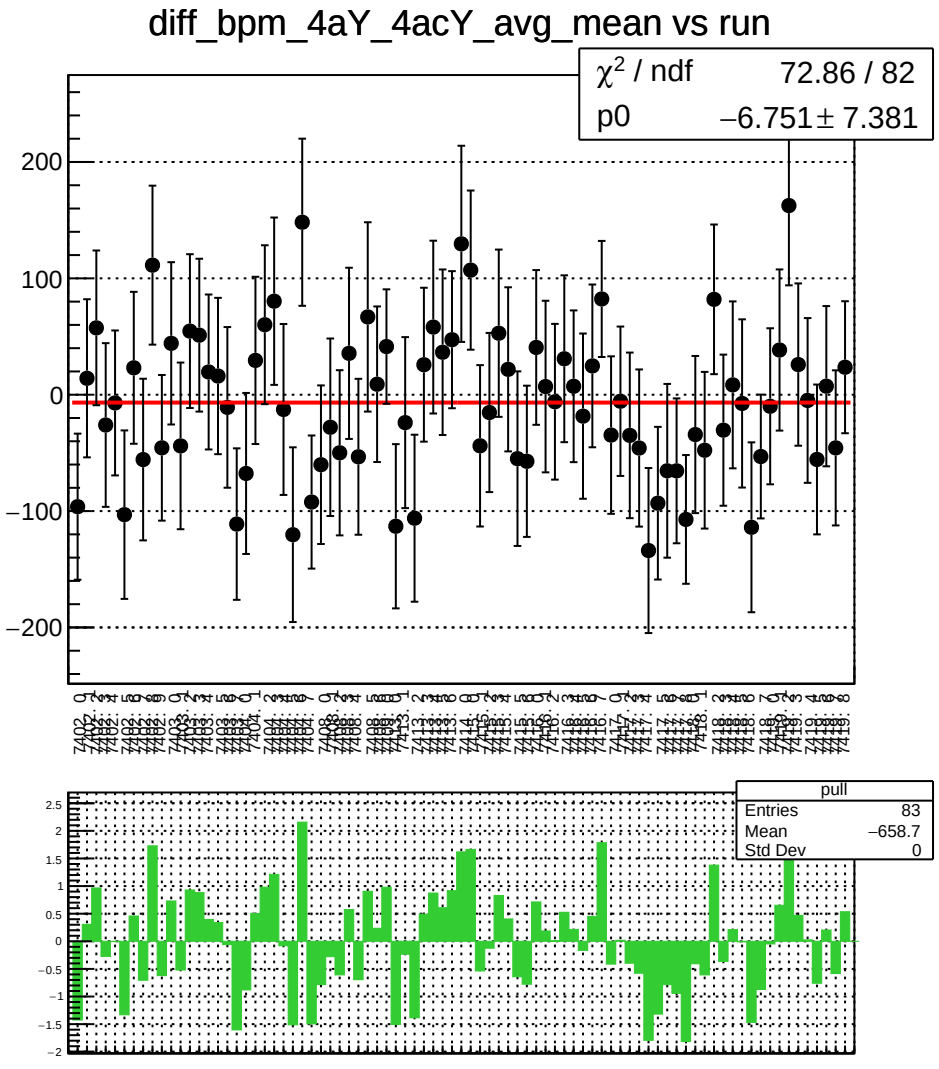

pull1D
Entries 83
Mean −0.01852
Std Dev 0.9033

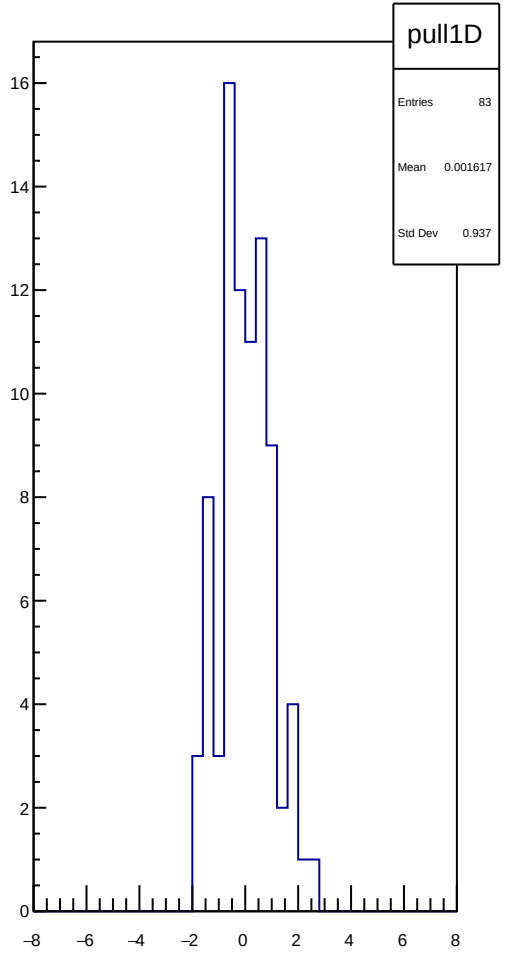

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 2598 / 82
p0 7642 ± 6.088
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800

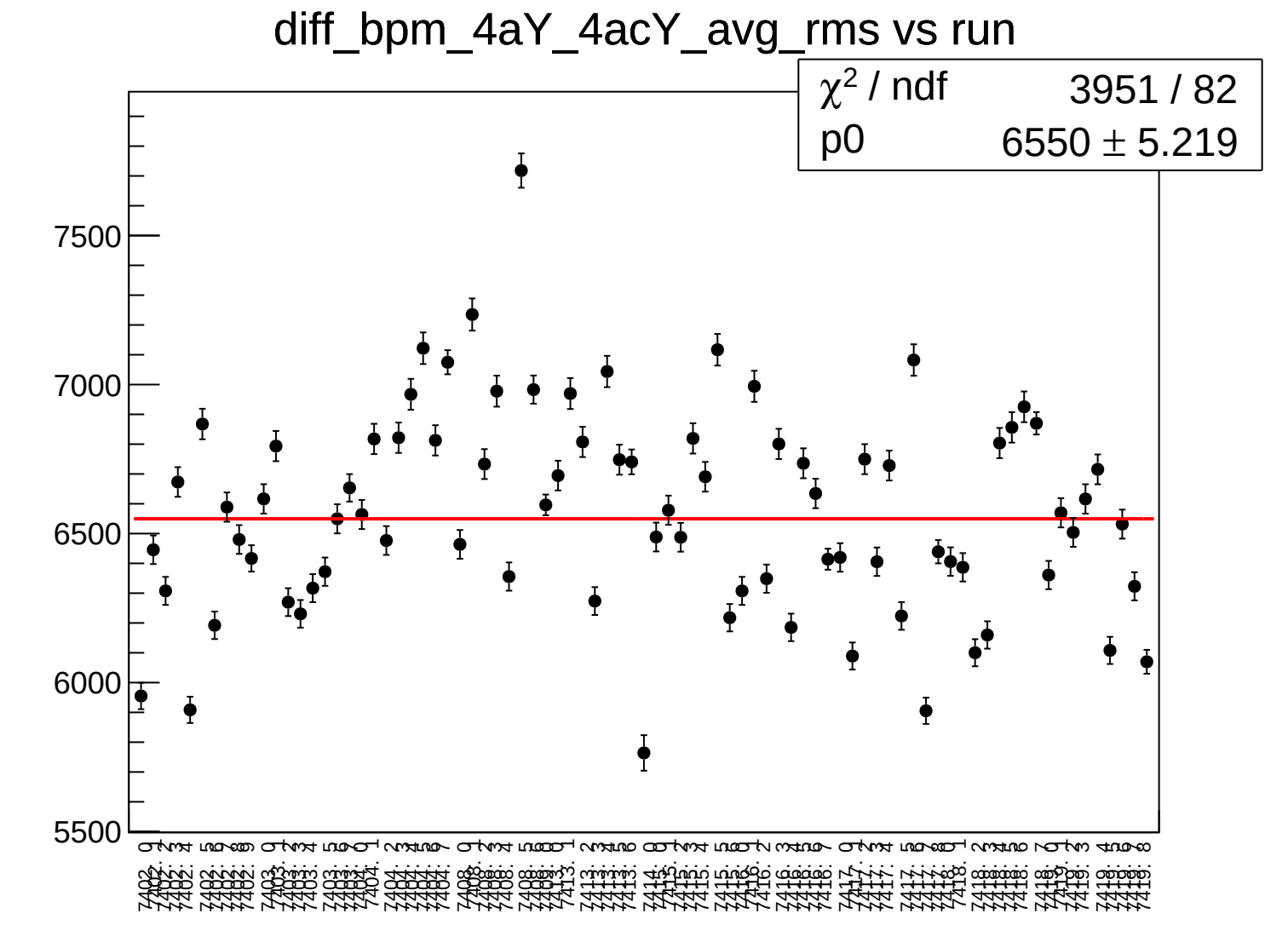

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 84.08 / 82
p0 −0.2682 ± 0.7049
100
50
0
−50
−100
pull
Entries 83
Mean 3.144
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

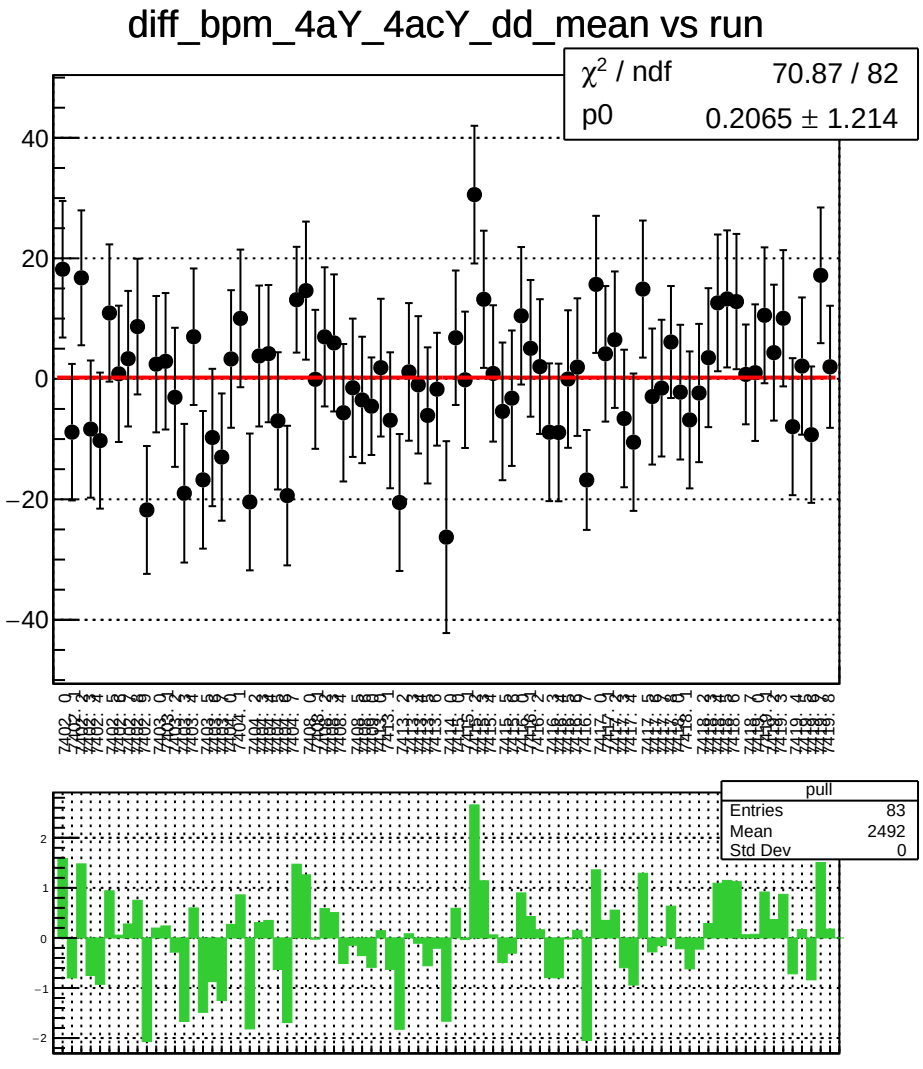

pull1D
Entries 83
Mean −0.03374
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

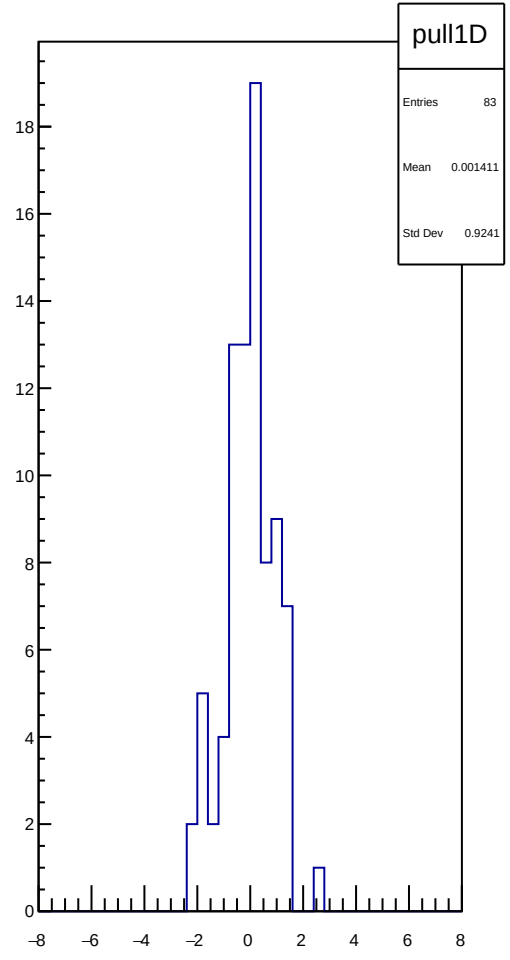

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 3.767e+05 / 82
p0 546.4 ± 0.4984
4000
3500
3000
2500
2000
1500
1000
500


diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 72.86 / 82
p0 −6.751 ± 7.381
200
100
0
−100
−200
pull
Entries 83
Mean −658.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

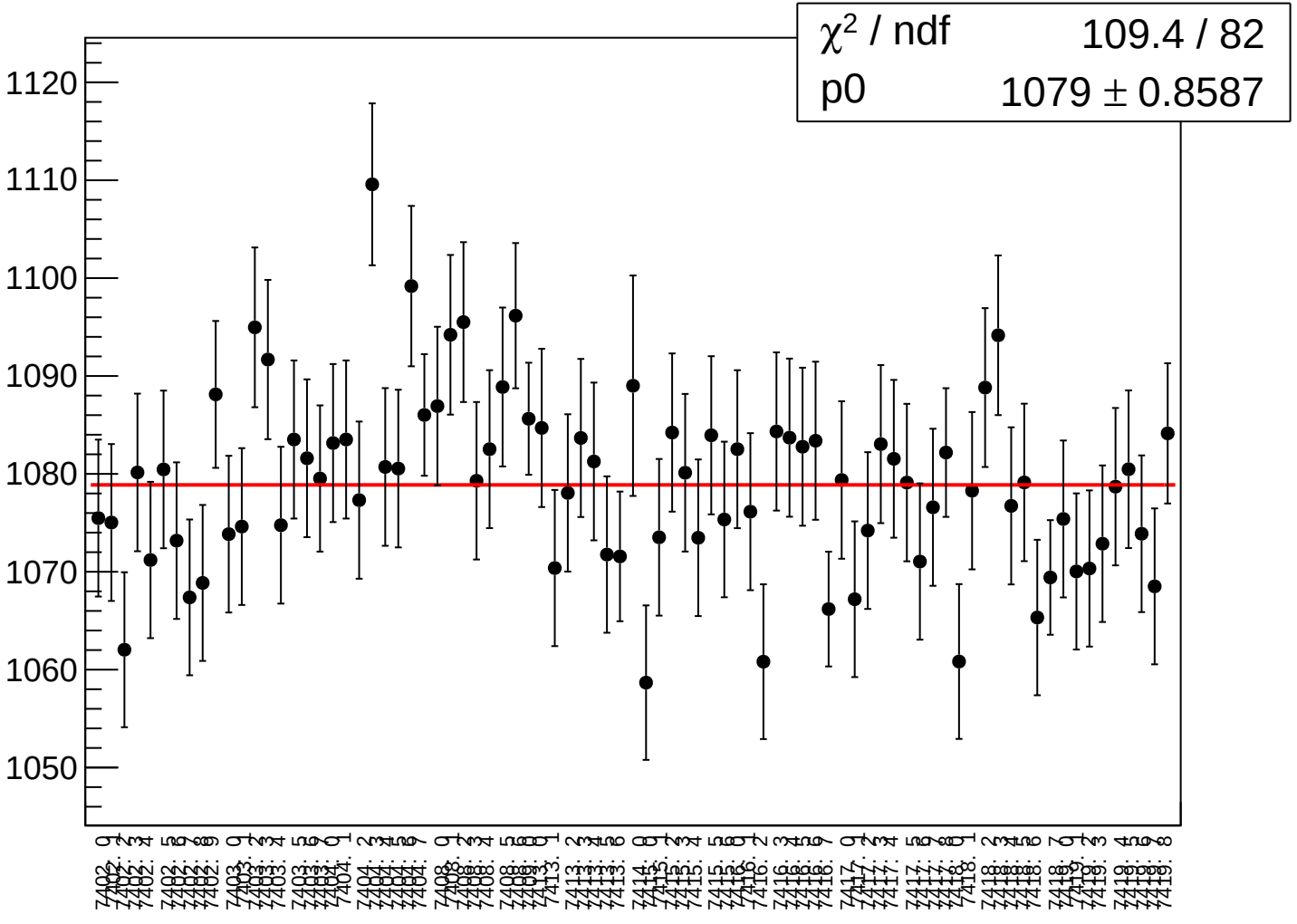

pull1D
Entries 83
Mean 0.001617
Std Dev 0.937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

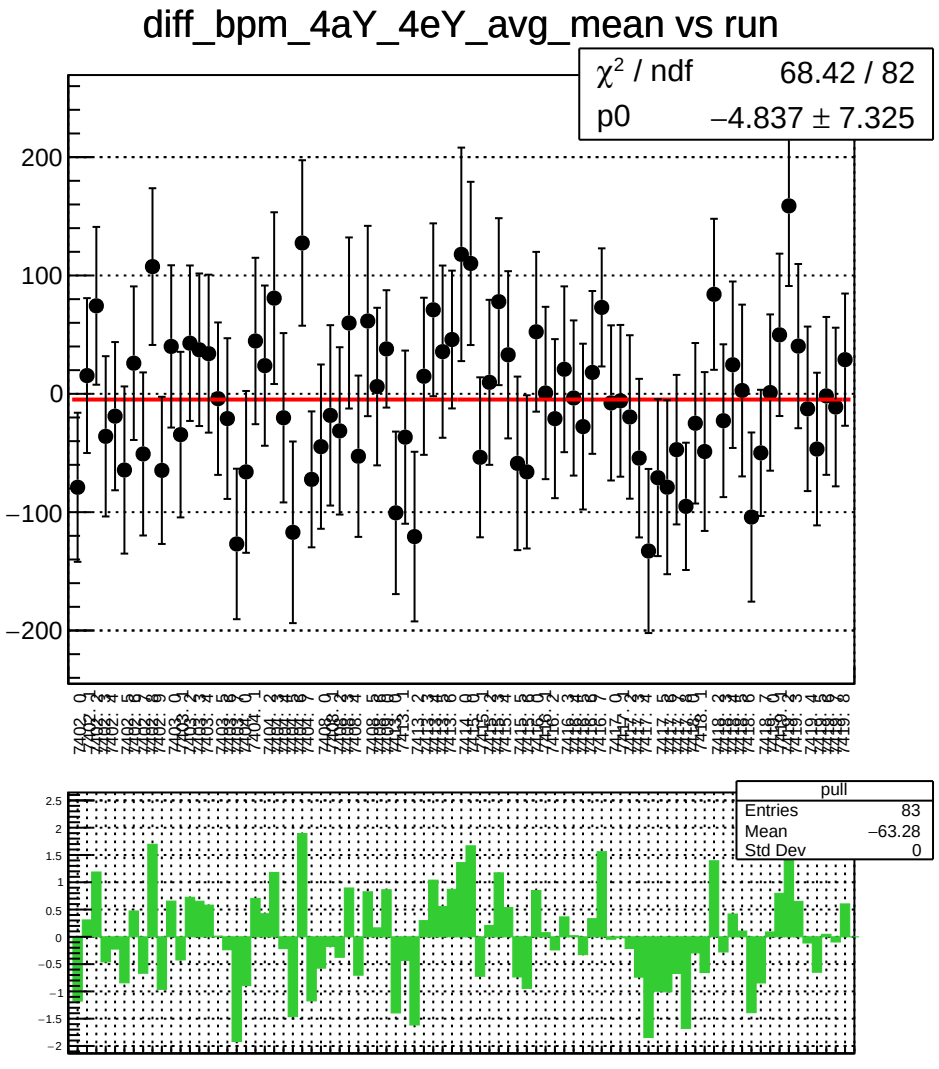

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 3951 / 82
p0 6550 ± 5.219
7500
7000
6500
6000
5500

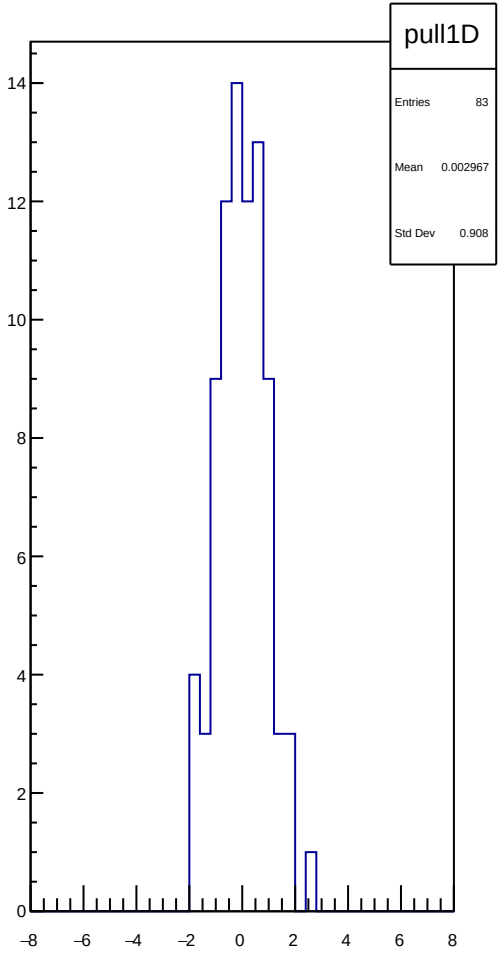

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 70.87 / 82
p0 0.2065 ± 1.214
pull
Entries 83
Mean 2492
Std Dev 0

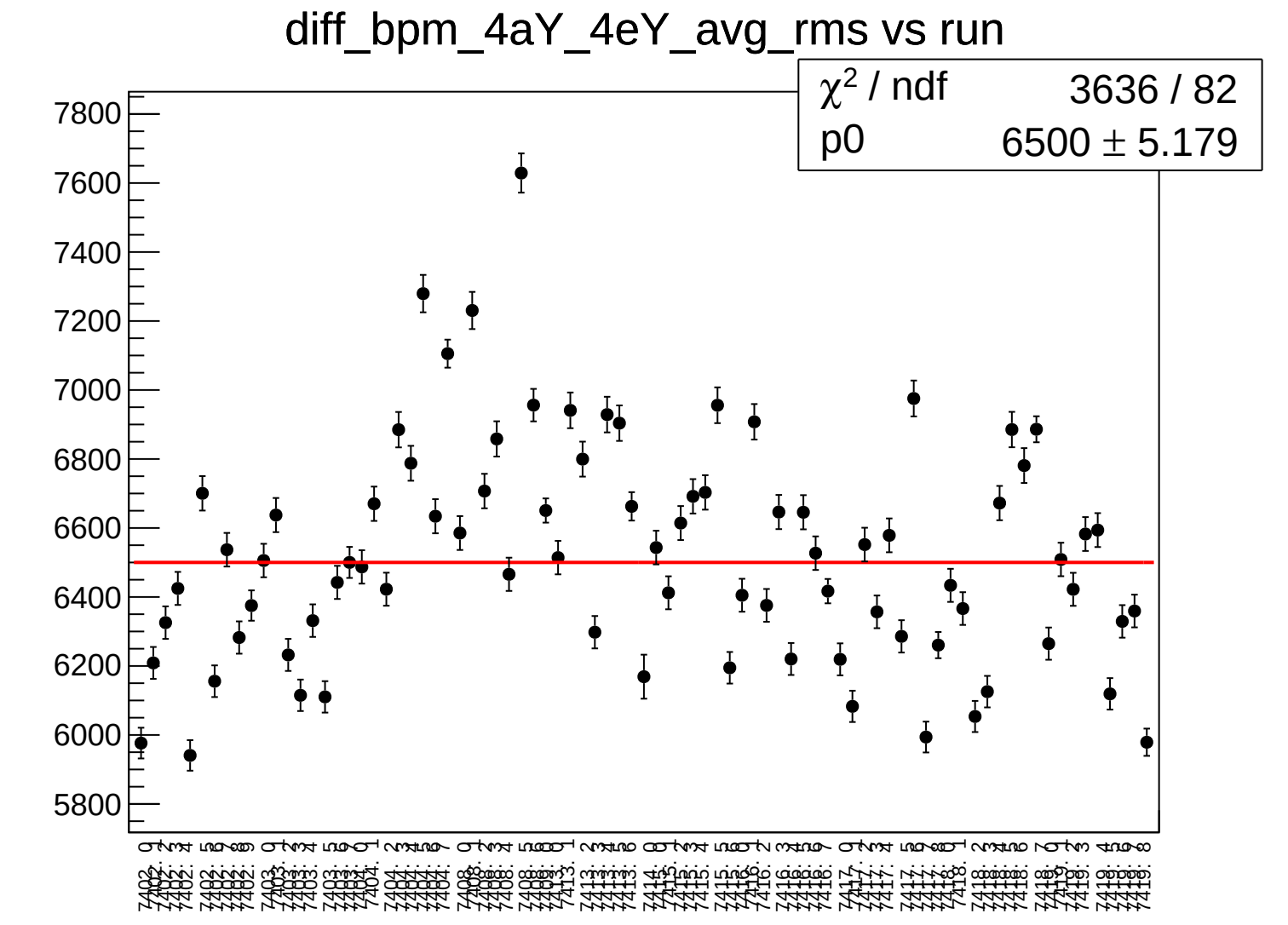

pull1D
Entries 83
Mean 0.001411
Std Dev 0.9241

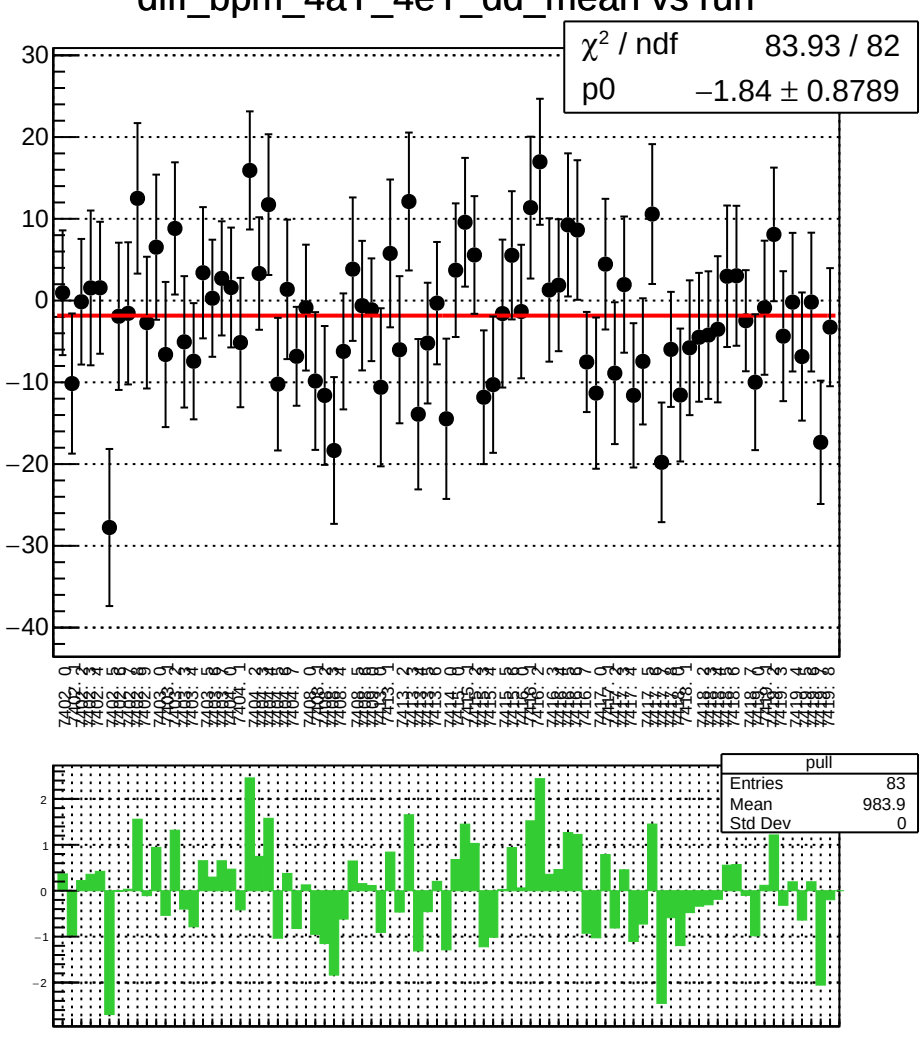
diff_bpm_4aY_4acY_dd_rms vs run

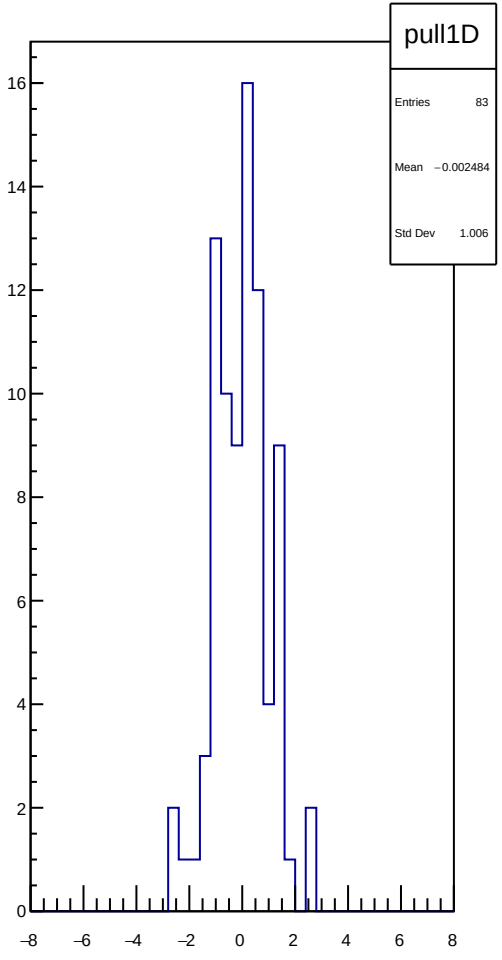


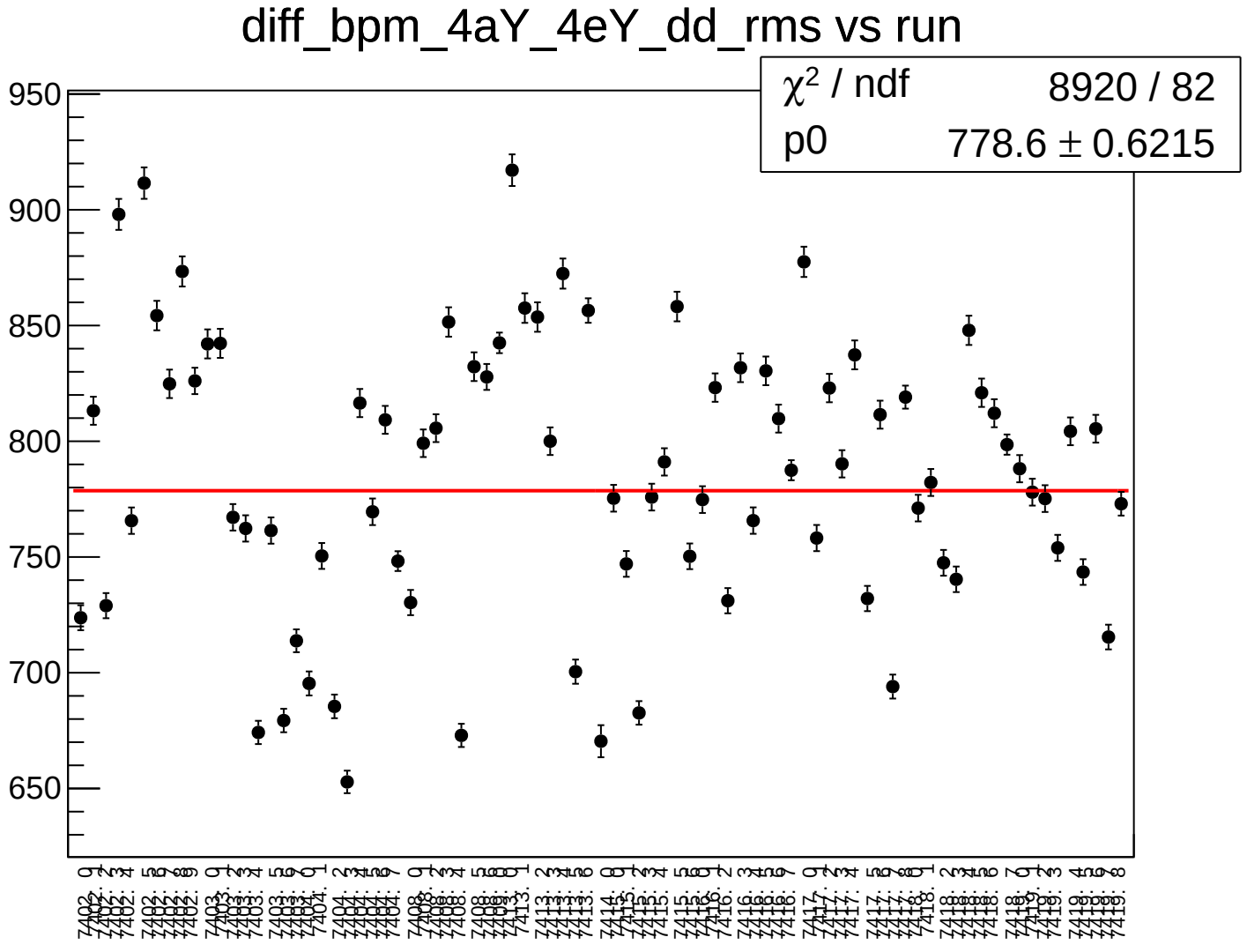

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 68.42 / 82
p0 −4.837 ± 7.325
200
100
0
−100
−200
pull
Entries 83
Mean −63.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

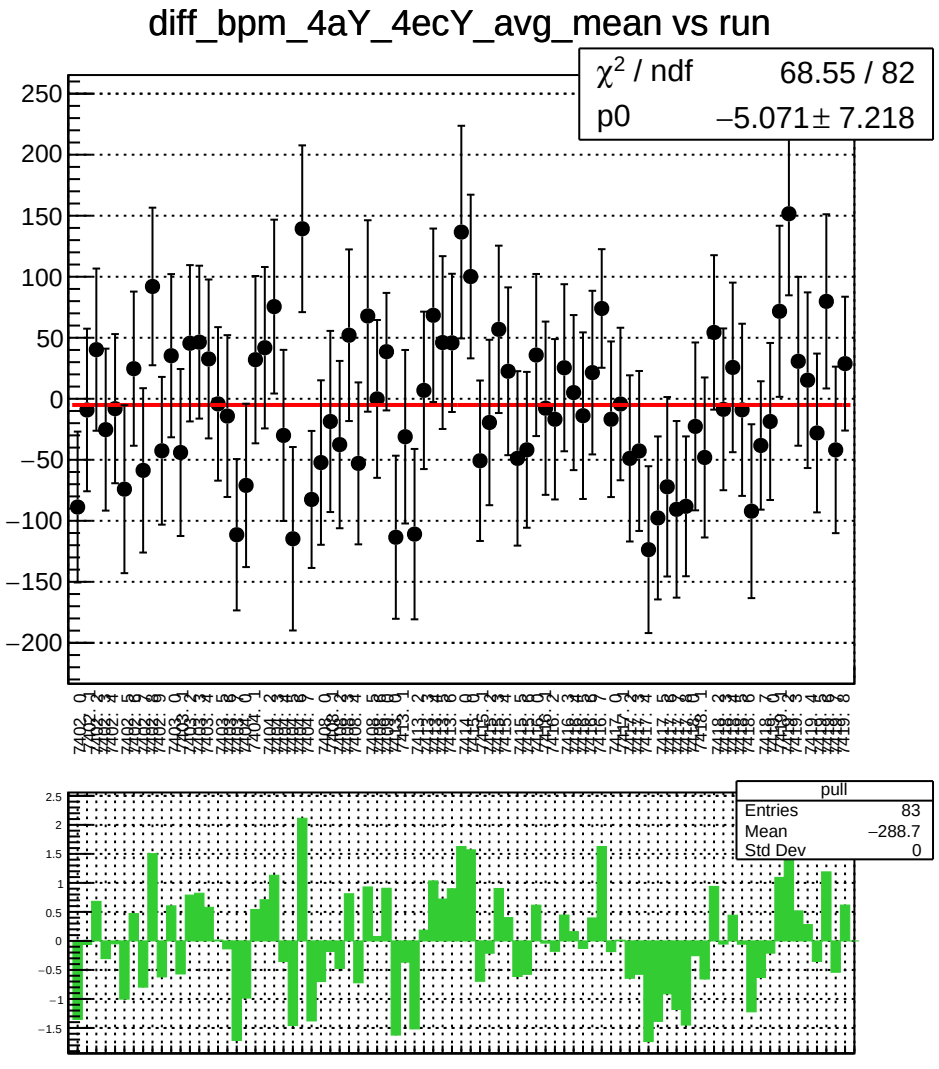

pull1D
Entries 83
Mean 0.002967
Std Dev 0.908
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

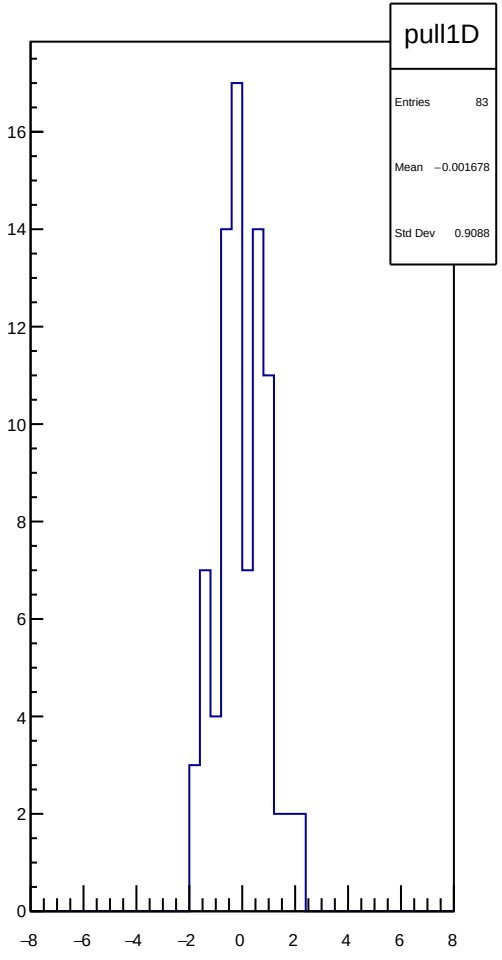

diff_bpm_4aY_4eY_avg_rms vs run
χ^2 / ndf 3636 / 82
p0 6500 ± 5.179
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

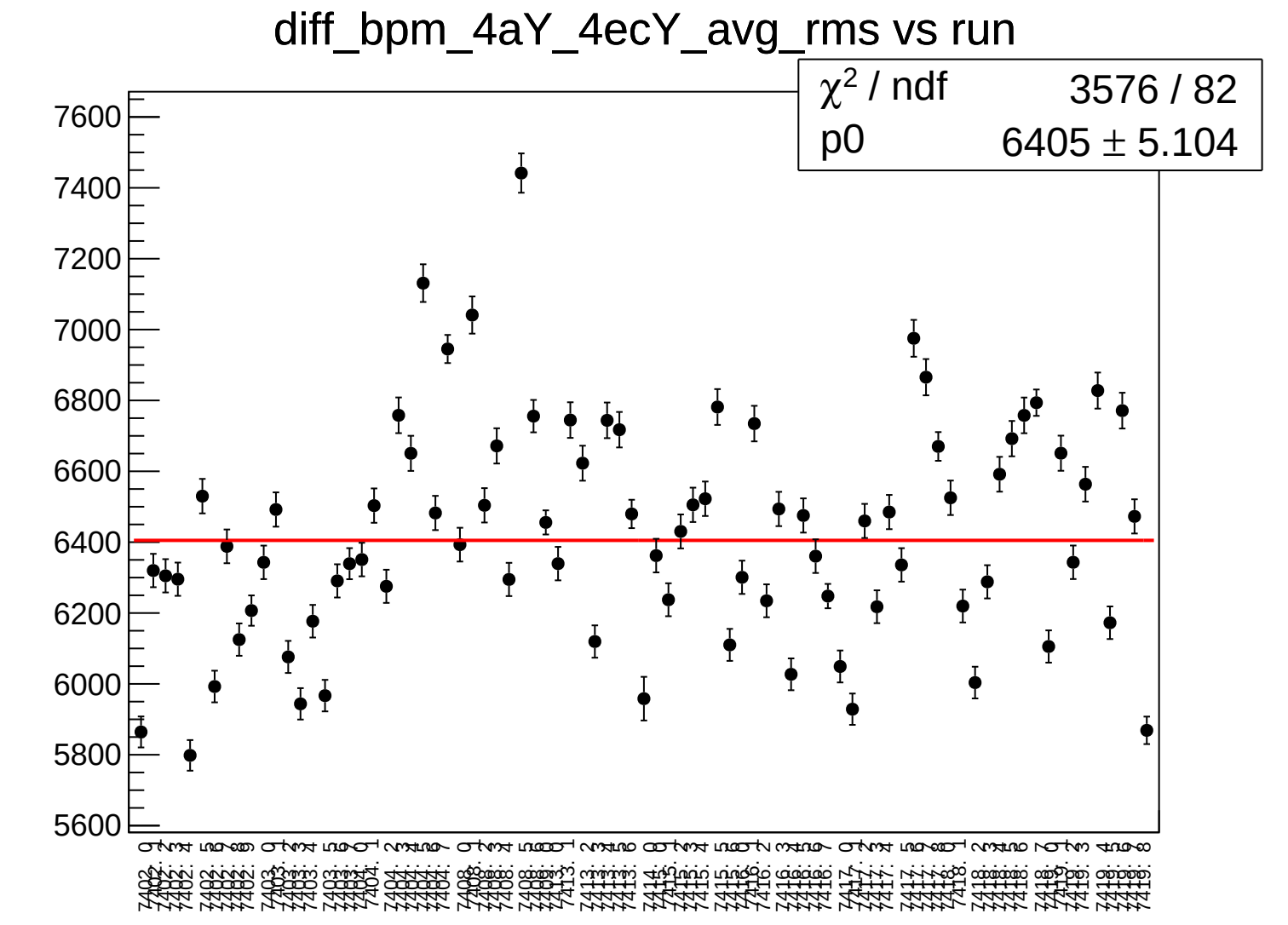

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 83.93 / 82
p0 −1.84 ± 0.8789
pull
Entries 83
Mean 983.9
Std Dev 0

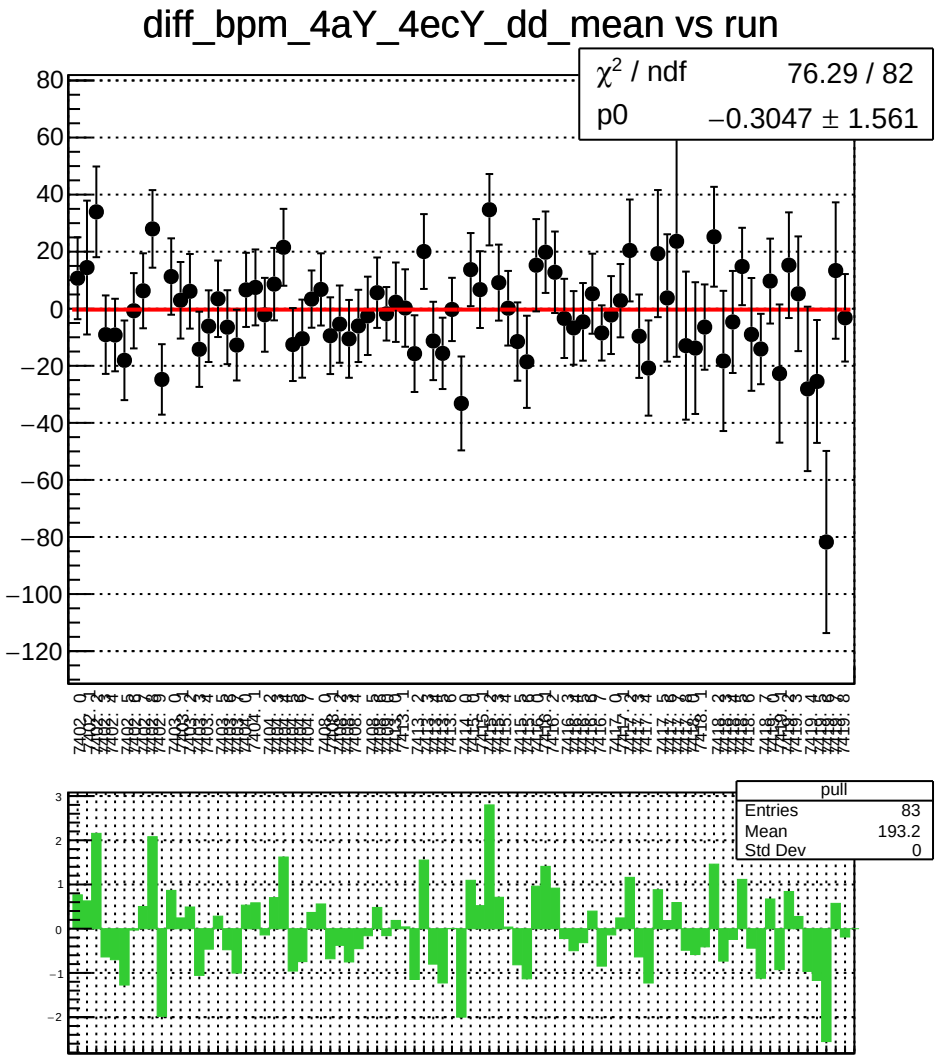

pull1D
Entries 83
Mean −0.002484
Std Dev 1.006

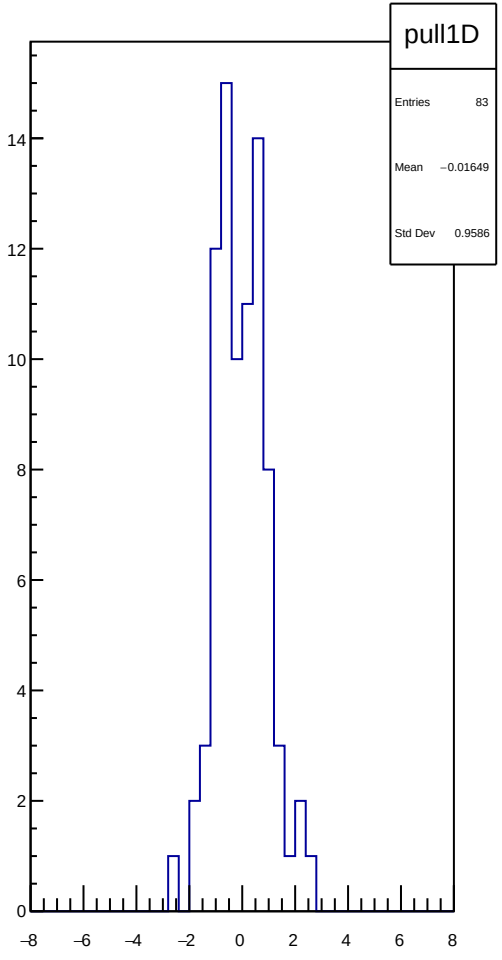

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 8920 / 82
p0 778.6 ± 0.6215
950
900
850
800
750
700
650

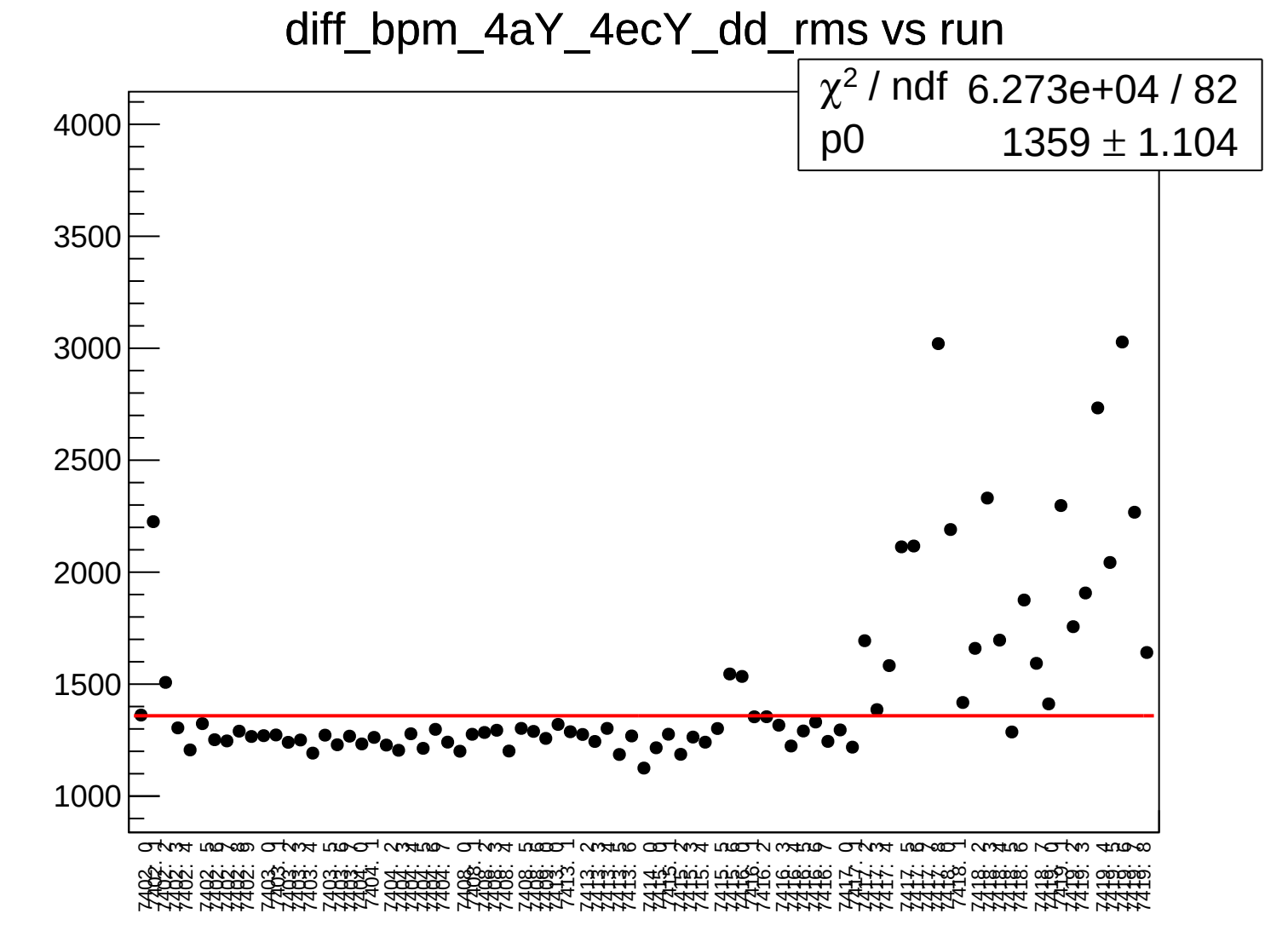

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 68.55 / 82
p0 −5.071± 7.218
pull
Entries 83
Mean −288.7
Std Dev 0

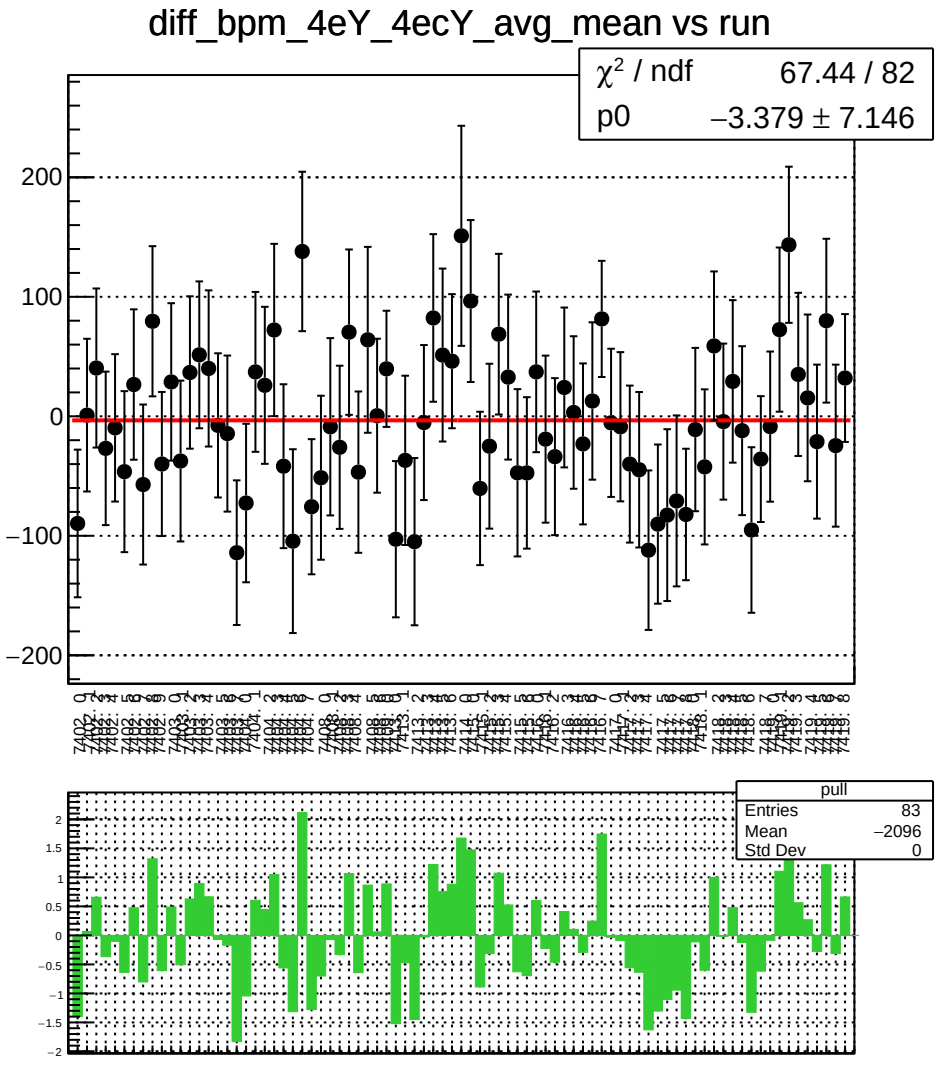

pull1D
Entries 83
Mean −0.001678
Std Dev 0.9088

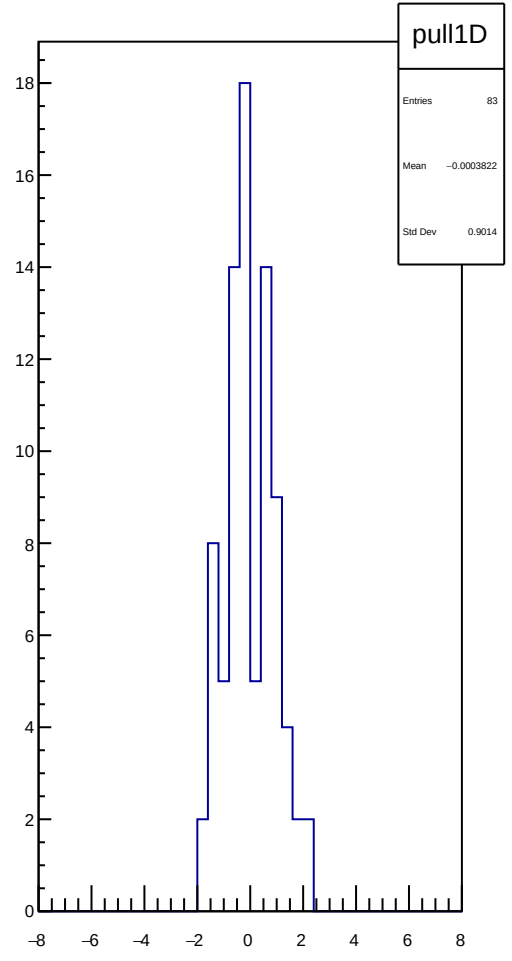

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 3576 / 82
p0 6405 ± 5.104
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

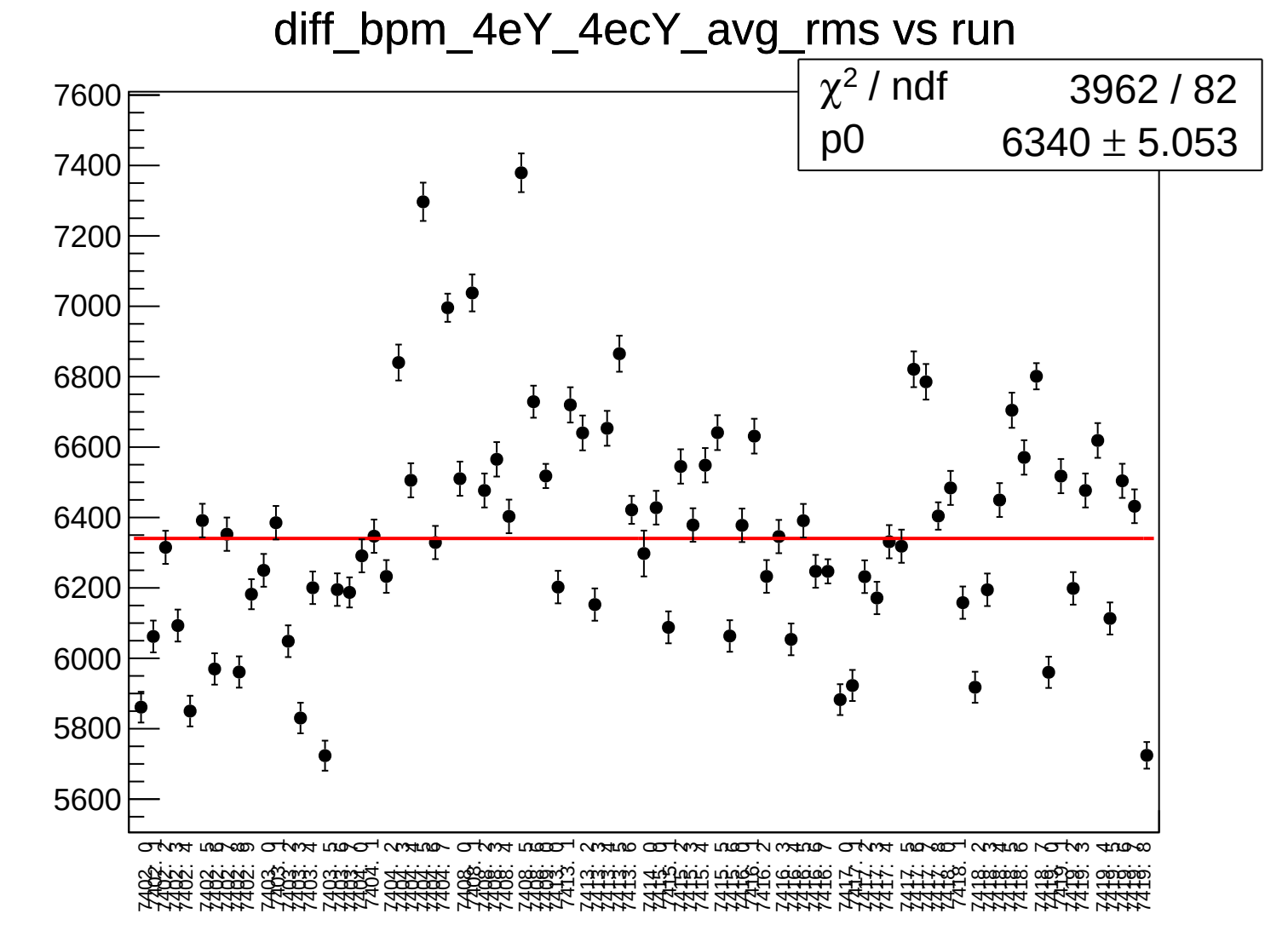

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 76.29 / 82
p0 −0.3047 ± 1.561
pull
Entries 83
Mean 193.2
Std Dev 0

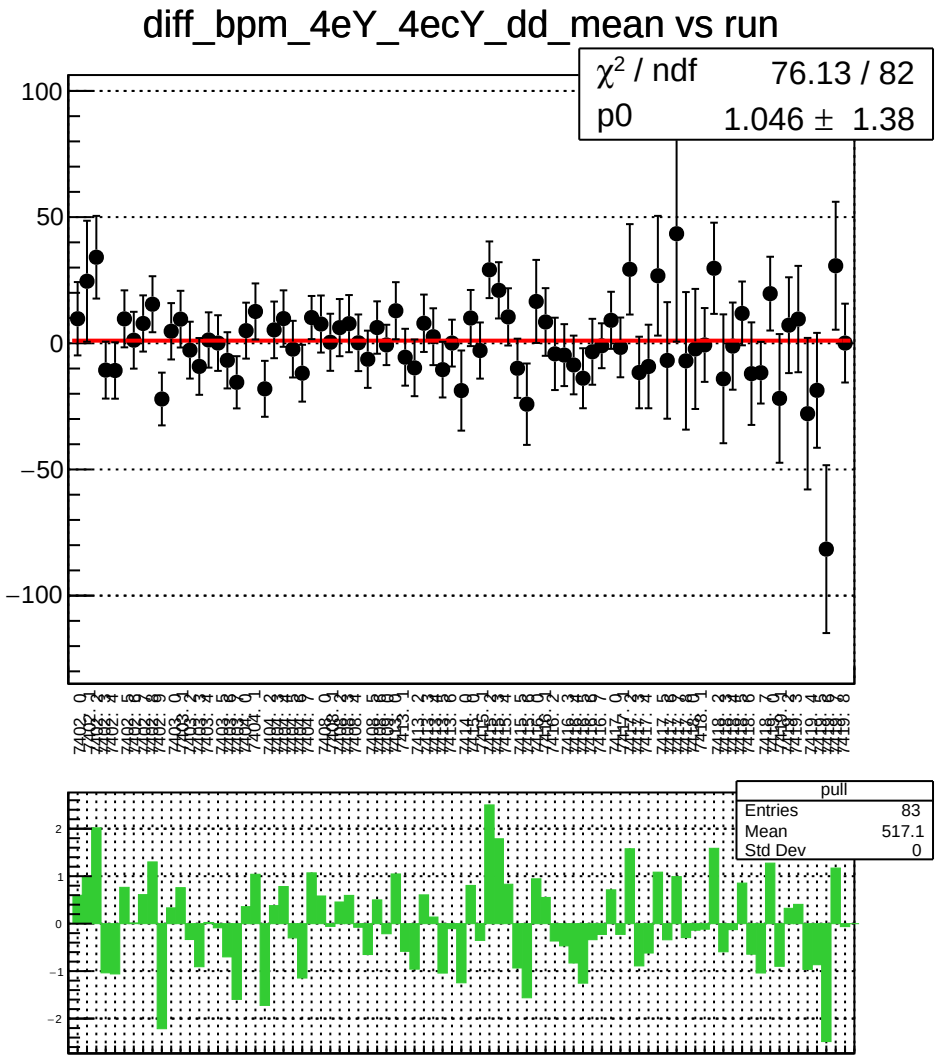

pull1D
Entries 83
Mean −0.01649
Std Dev 0.9586

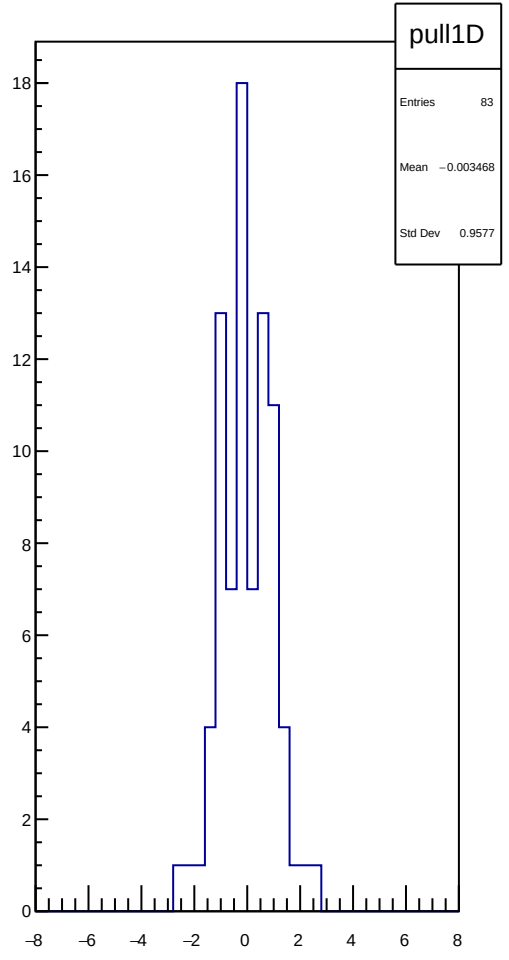

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 6.273e+04 / 82
p0 1359 ± 1.104
4000
3500
3000
2500
2000
1500
1000

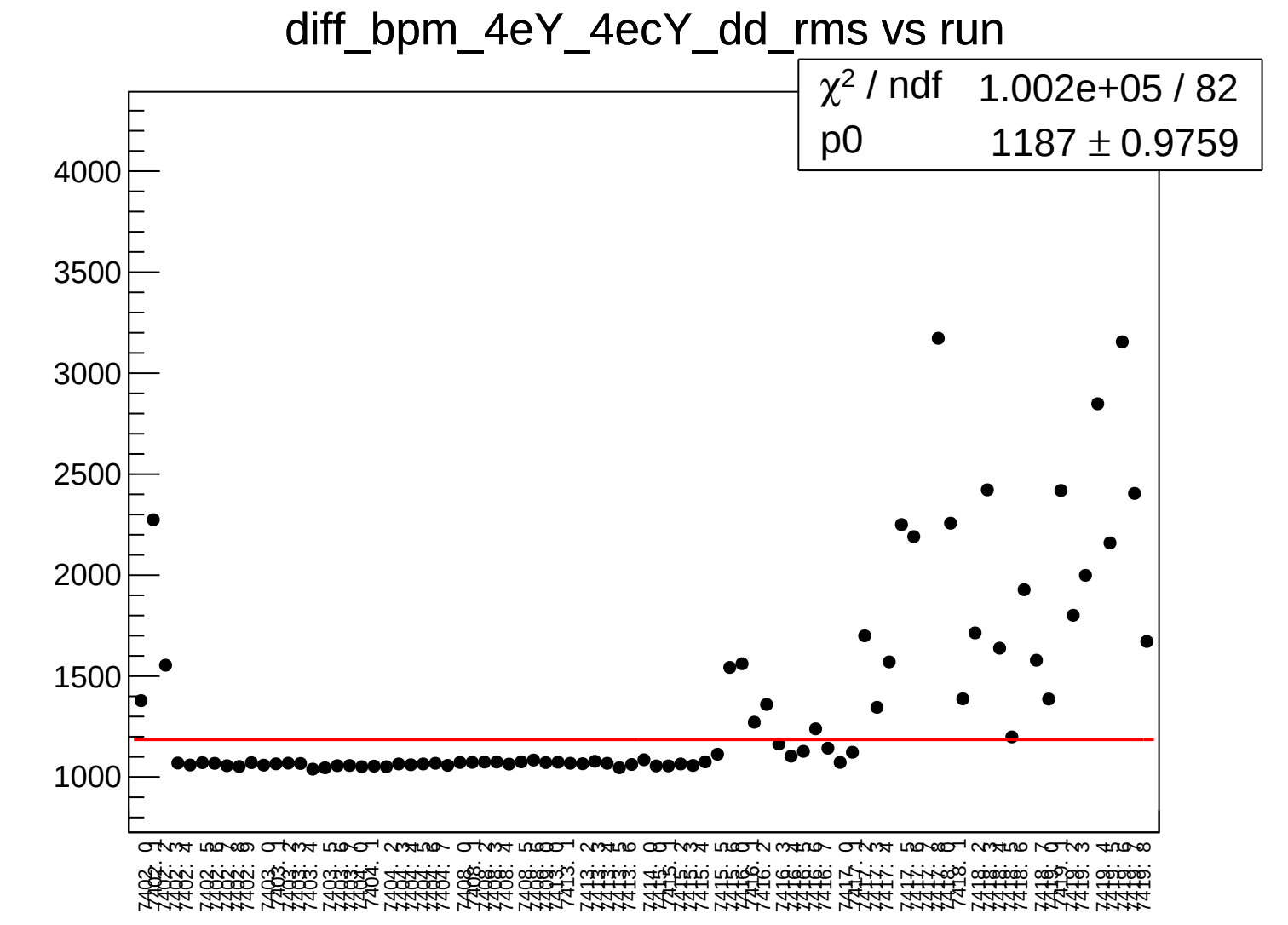

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 67.44 / 82
p0 −3.379 ± 7.146
200
100
0
−100
−200
pull
Entries 83
Mean −2096
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

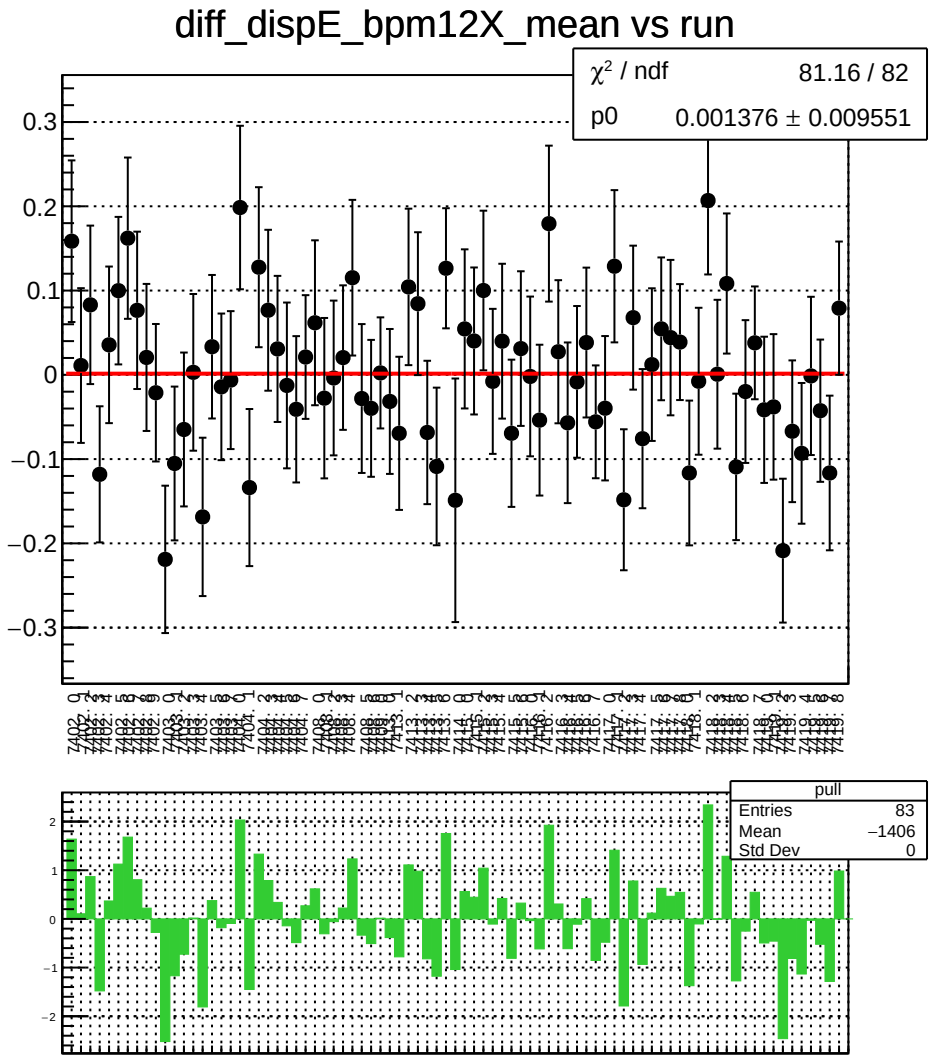

pull1D
Entries 83
Mean −0.0003822
Std Dev 0.9014
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

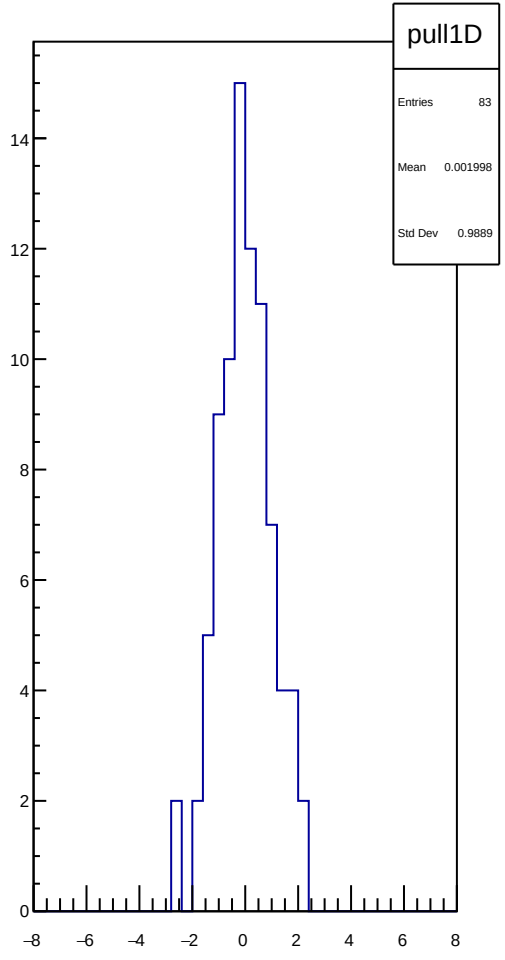

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 3962 / 82
p0 6340 ± 5.053
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

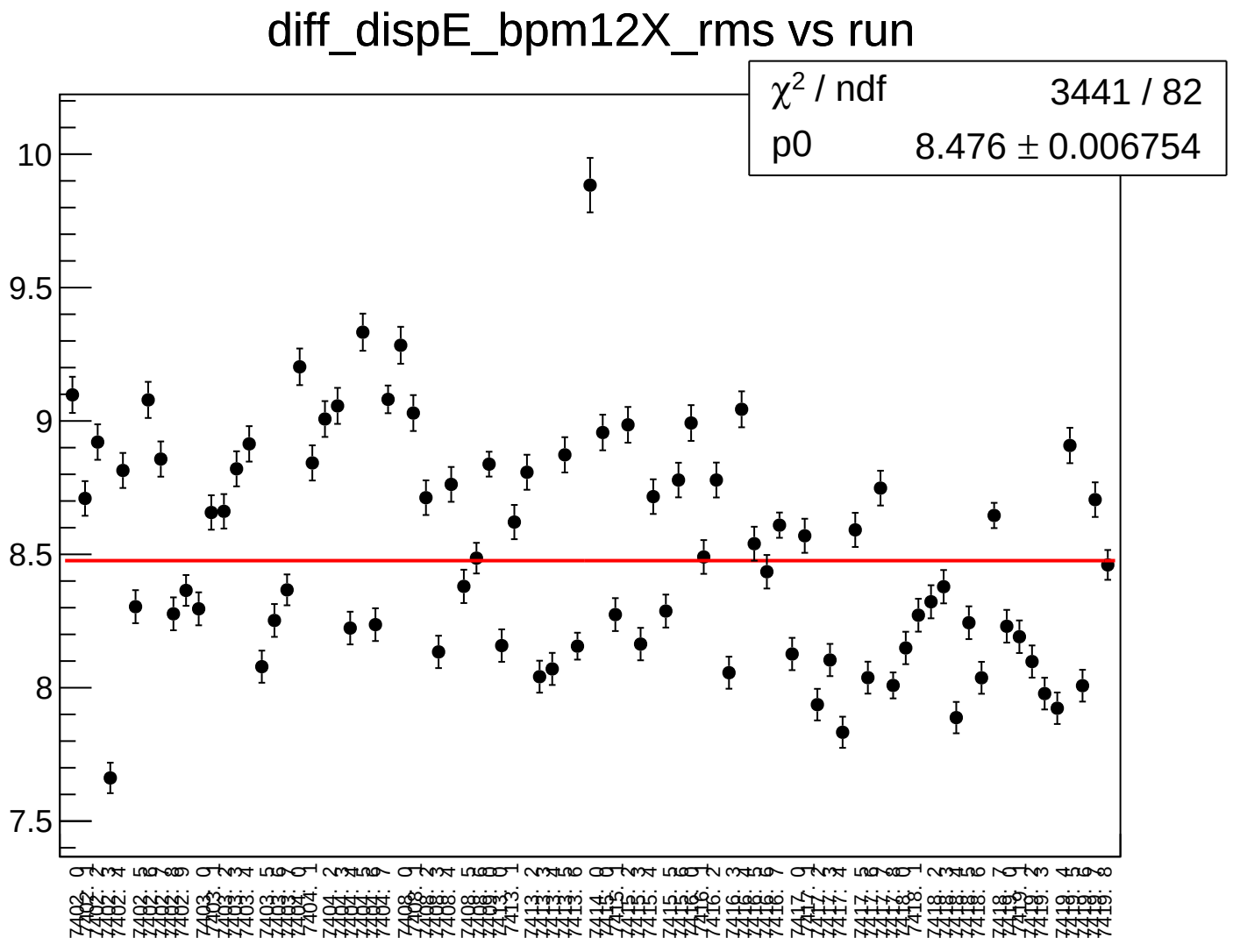

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 76.13 / 82
p0 1.046 ± 1.38
100
50
0
−50
−100
pull
Entries 83
Mean 517.1
Std Dev 0
2
1
0
−1
−2

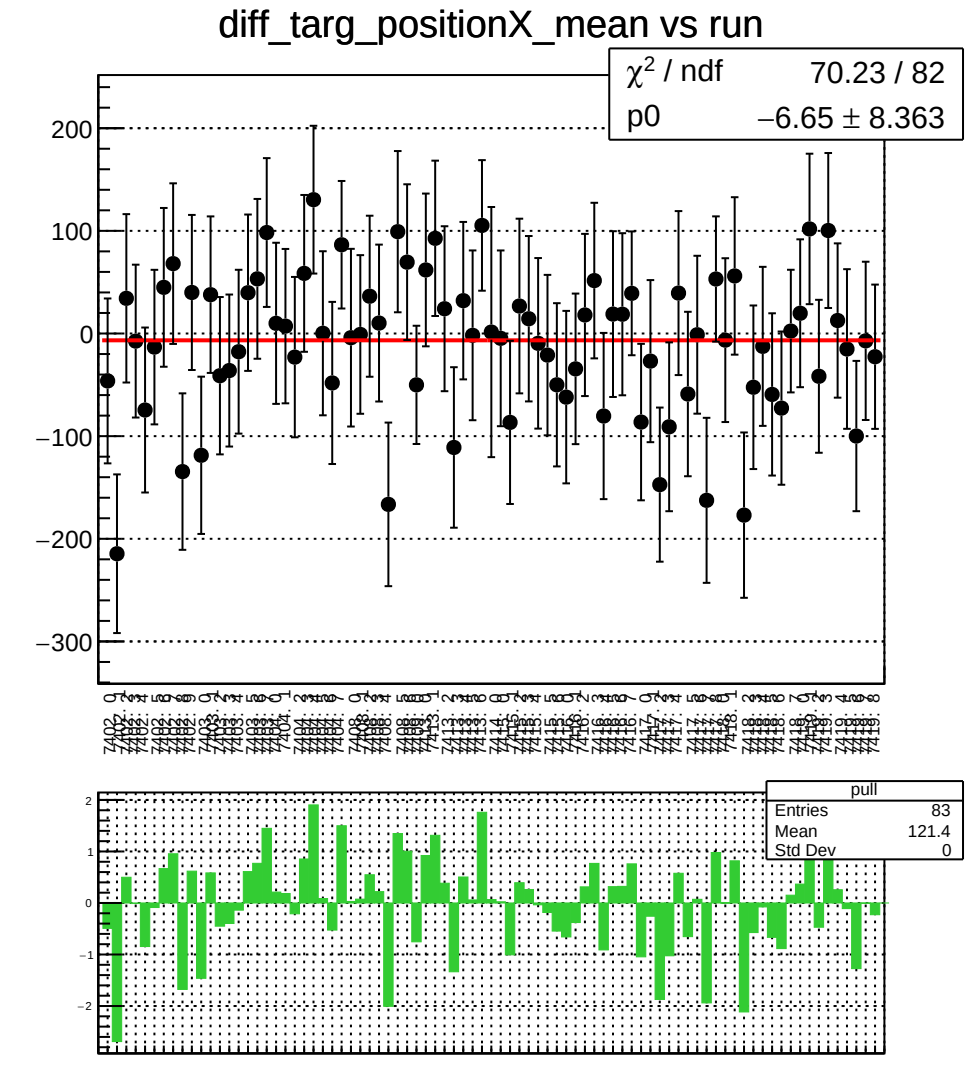

pull1D
Entries 83
Mean −0.003468
Std Dev 0.9577
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

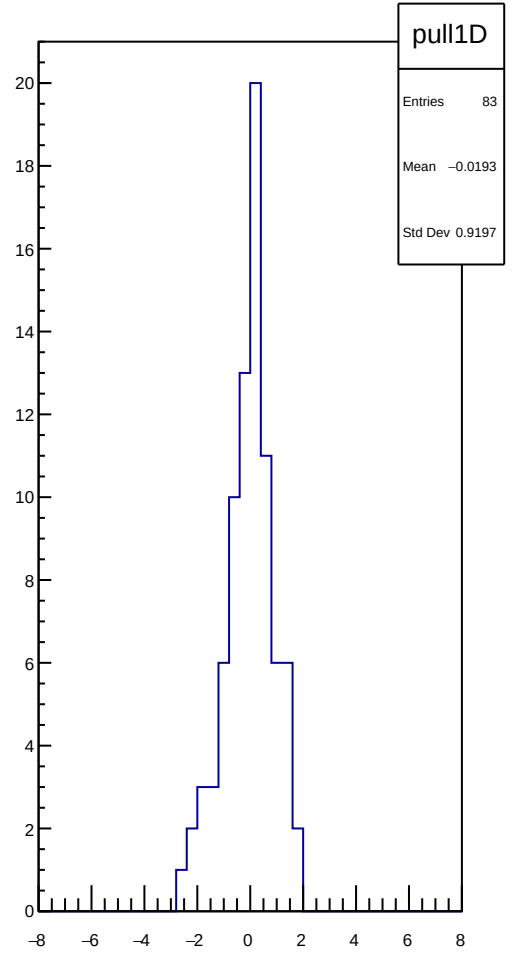

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 1.002e+05 / 82
p0 1187 ± 0.9759
4000
3500
3000
2500
2000
1500
1000

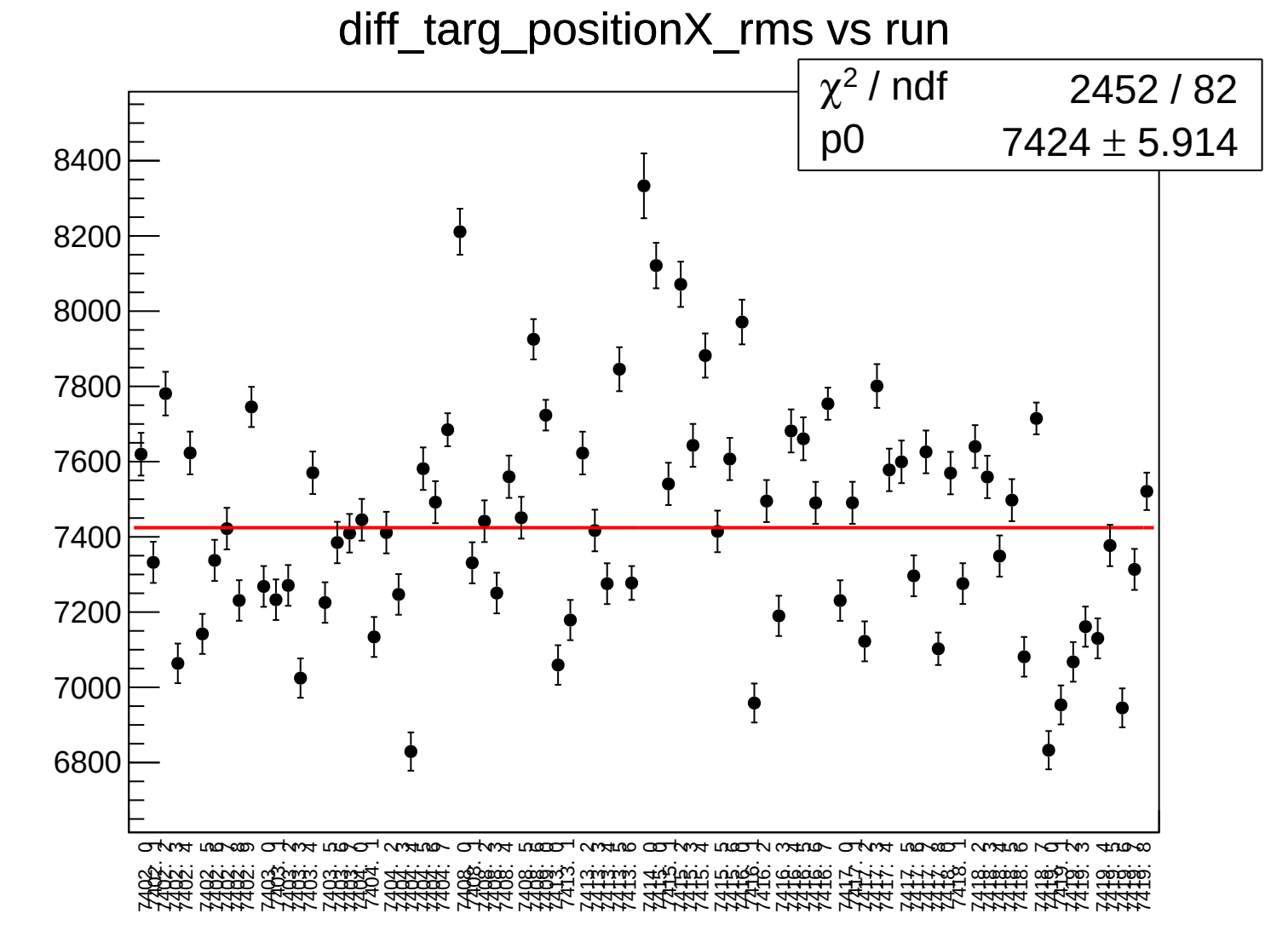

diff_dispE_bpm12X_mean vs run
χ² / ndf 81.16 / 82
p0 0.001376 ± 0.009551
pull
Entries 83
Mean −1406
Std Dev 0

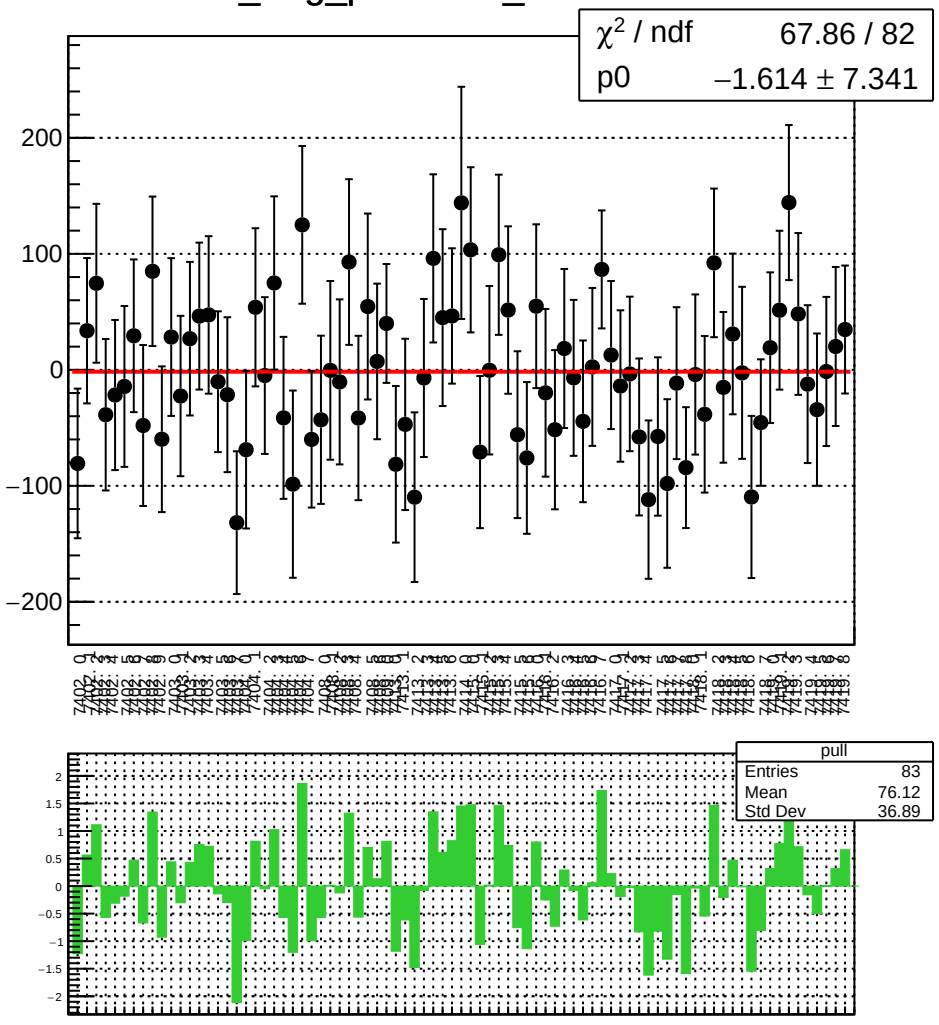

pull1D
Entries 83
Mean 0.001998
Std Dev 0.9889

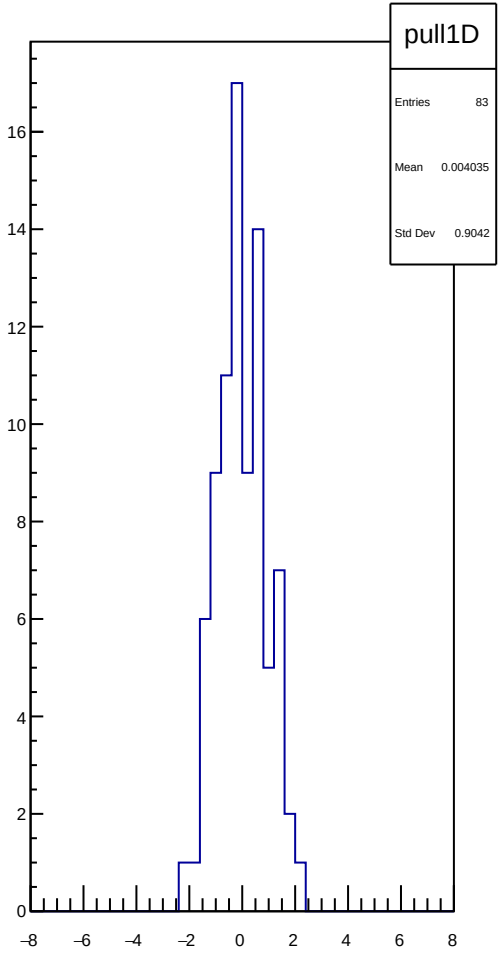

diff_dispE_bpm12X_rms vs run
χ² / ndf 3441 / 82
p0 8.476 ± 0.006754
10
9.5
9
8.5
8
7.5

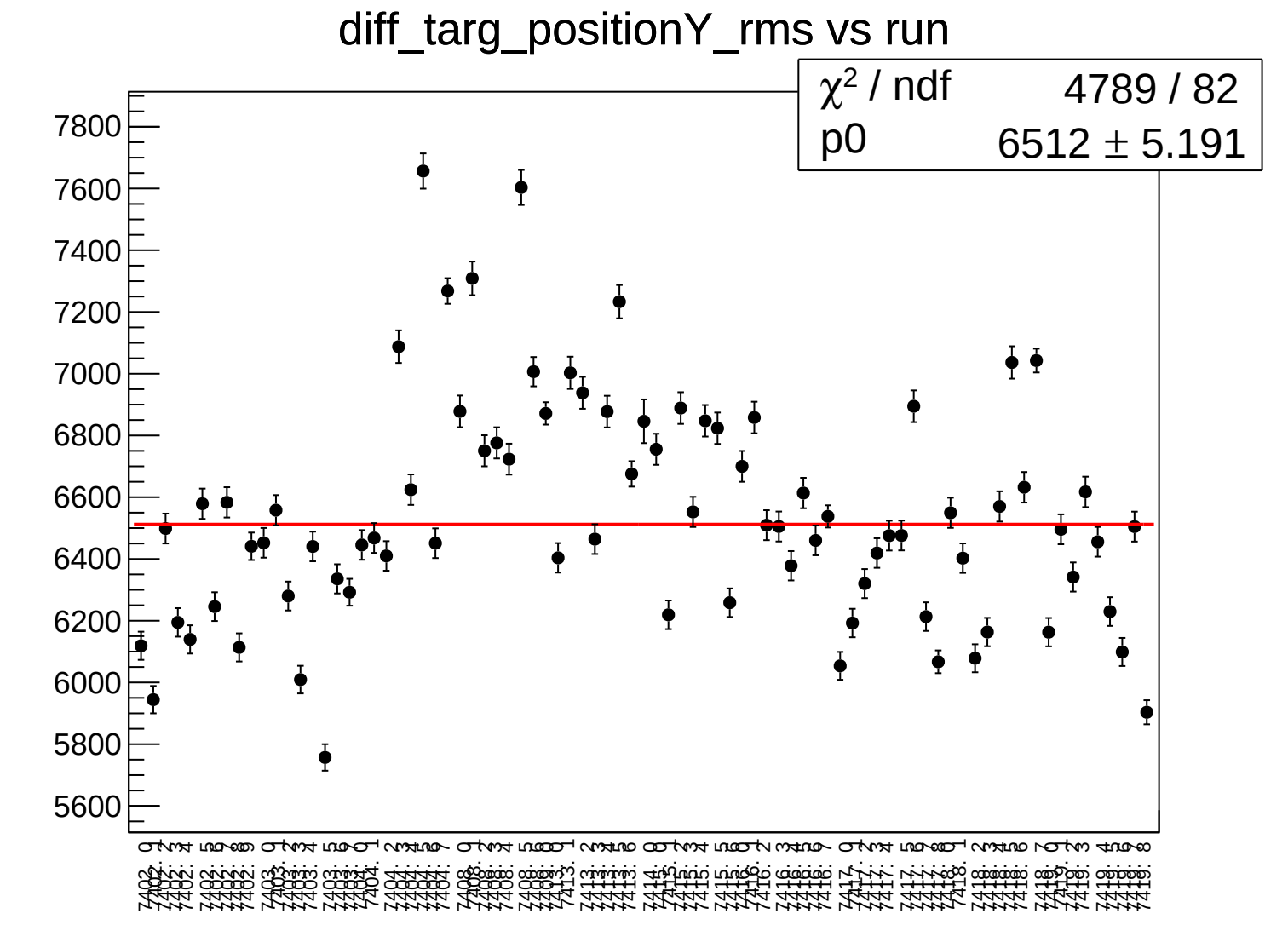

diff_targ_positionX_mean vs run
χ² / ndf 70.23 / 82
p0 −6.65 ± 8.363
pull
Entries 83
Mean 121.4
Std Dev 0

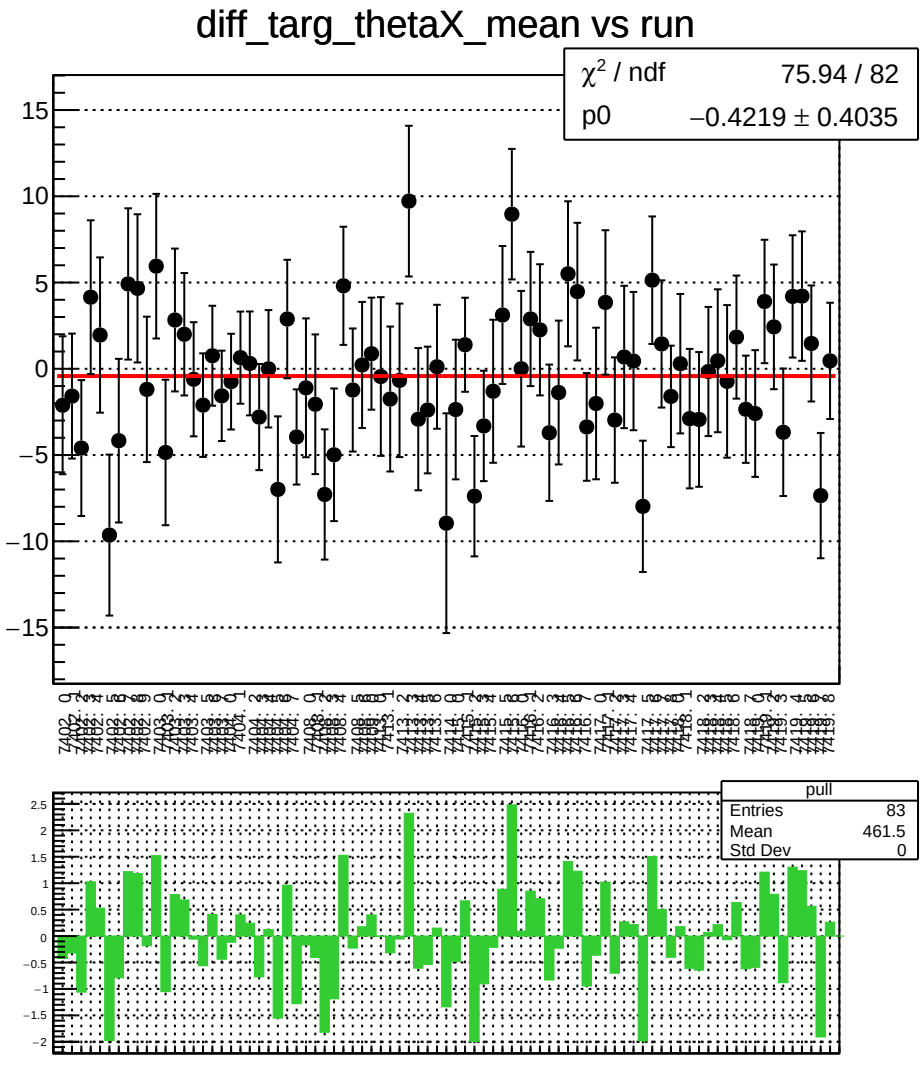

pull1D
Entries 83
Mean −0.0193
Std Dev 0.9197

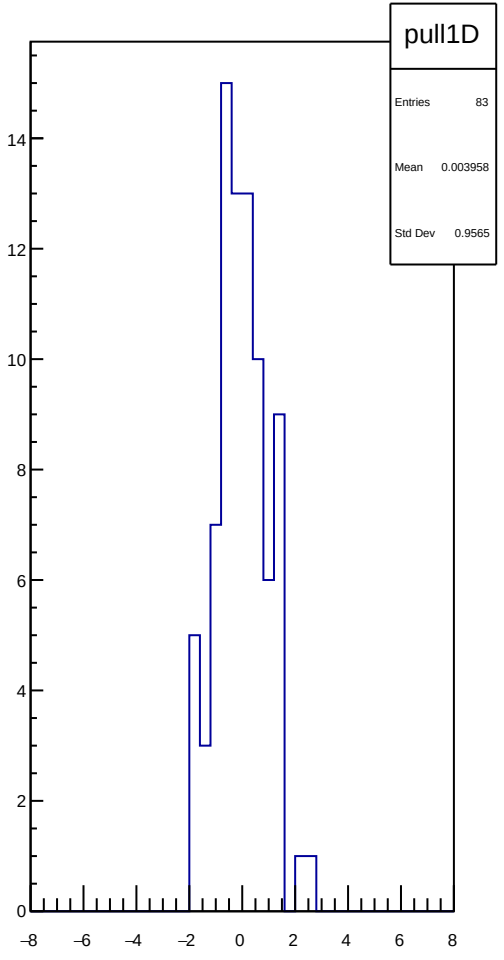

diff_targ_positionX_rms vs run
χ² / ndf 2452 / 82
p0 7424 ± 5.914
8400
8200
8000
7800
7600
7400
7200
7000
6800

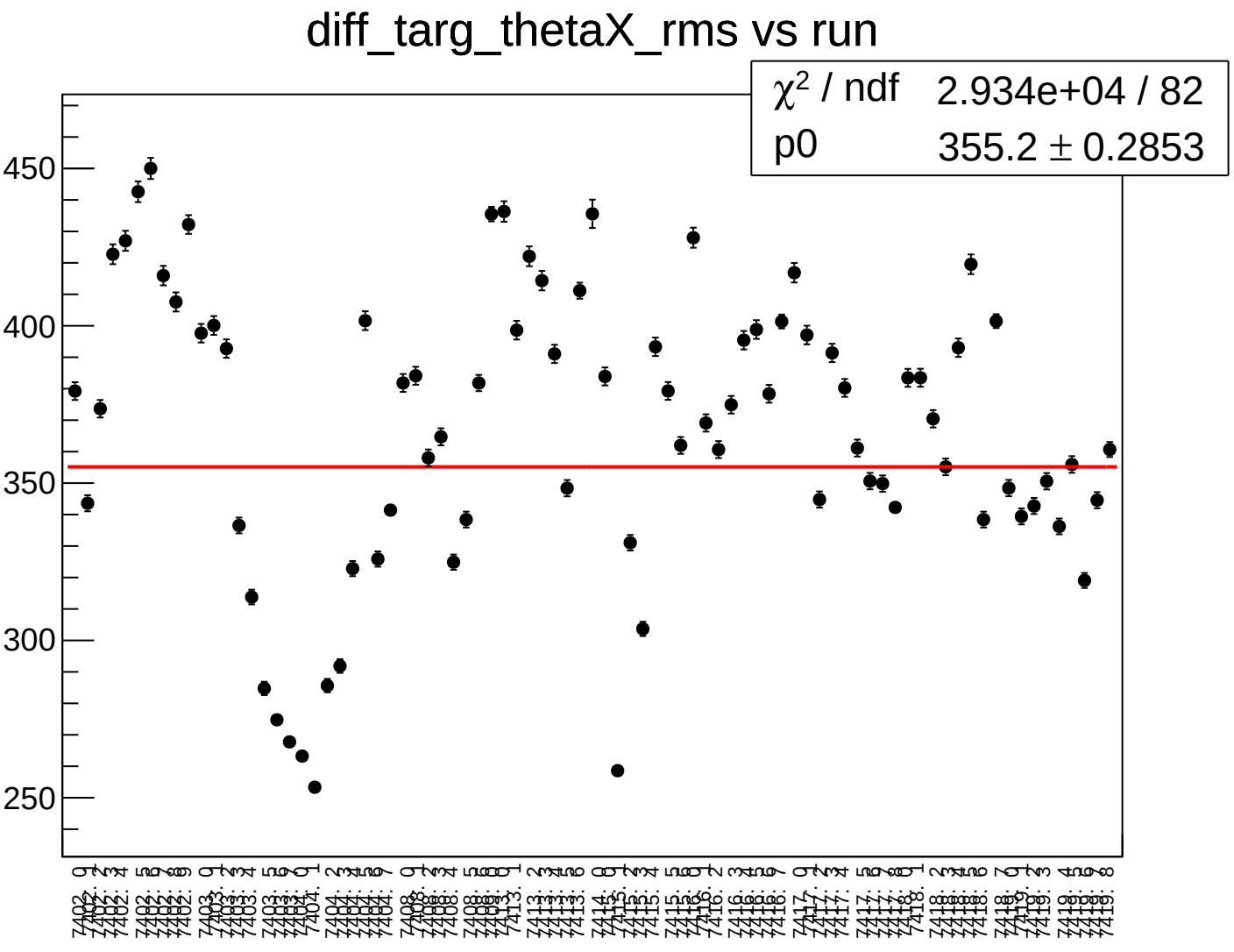

diff_targ_positionY_mean vs run
χ² / ndf 67.86 / 82
p0 −1.614 ± 7.341
200
100
0
−100
−200
pull
Entries 83
Mean 76.12
Std Dev 36.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

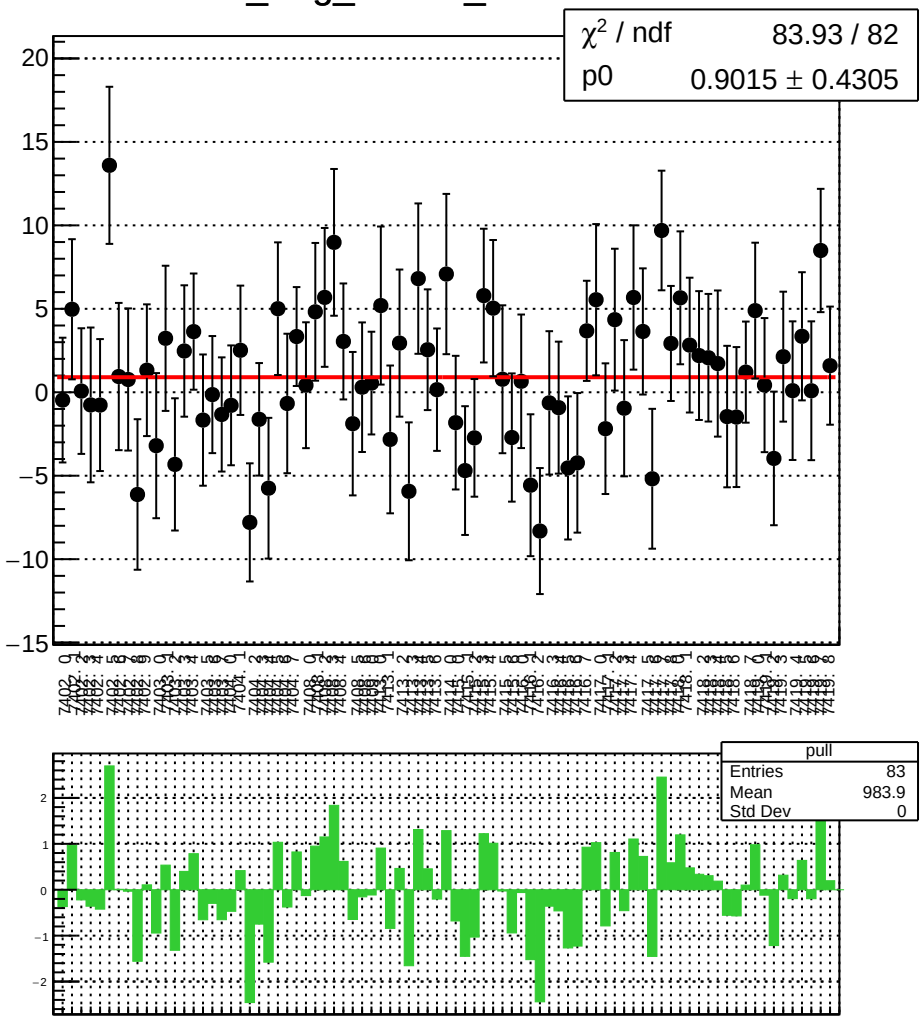

pull1D
Entries 83
Mean 0.004035
Std Dev 0.9042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

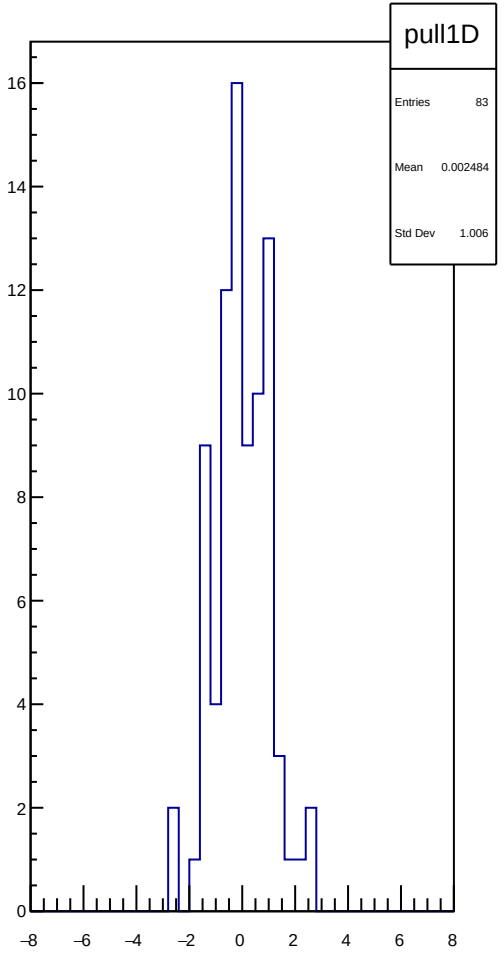

diff_targ_positionY_rms vs run
χ² / ndf 4789 / 82
p0 6512 ± 5.191
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

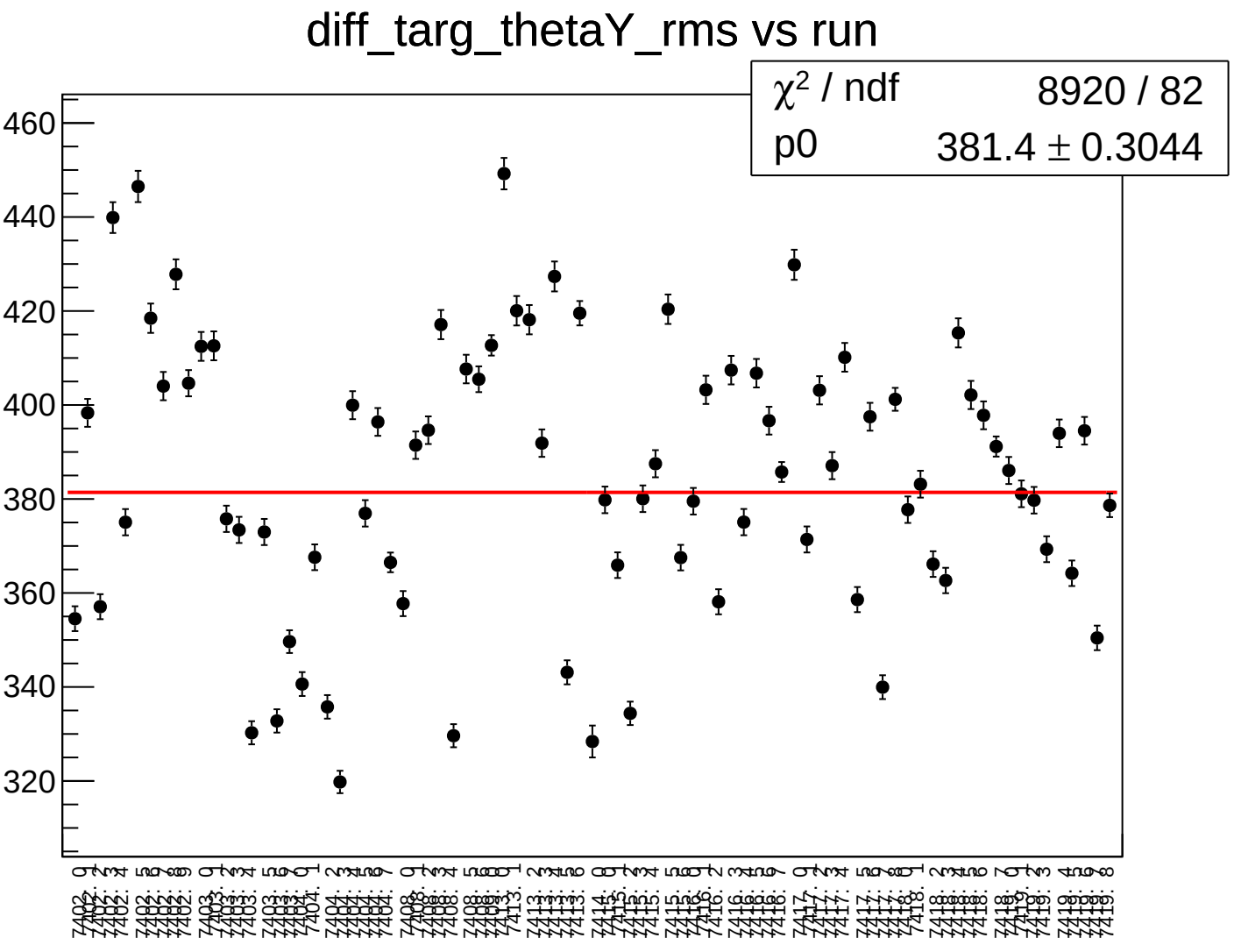

diff_targ_thetaX_mean vs run
χ² / ndf 75.94 / 82
p0 −0.4219 ± 0.4035
pull
Entries 83
Mean 461.5
Std Dev 0

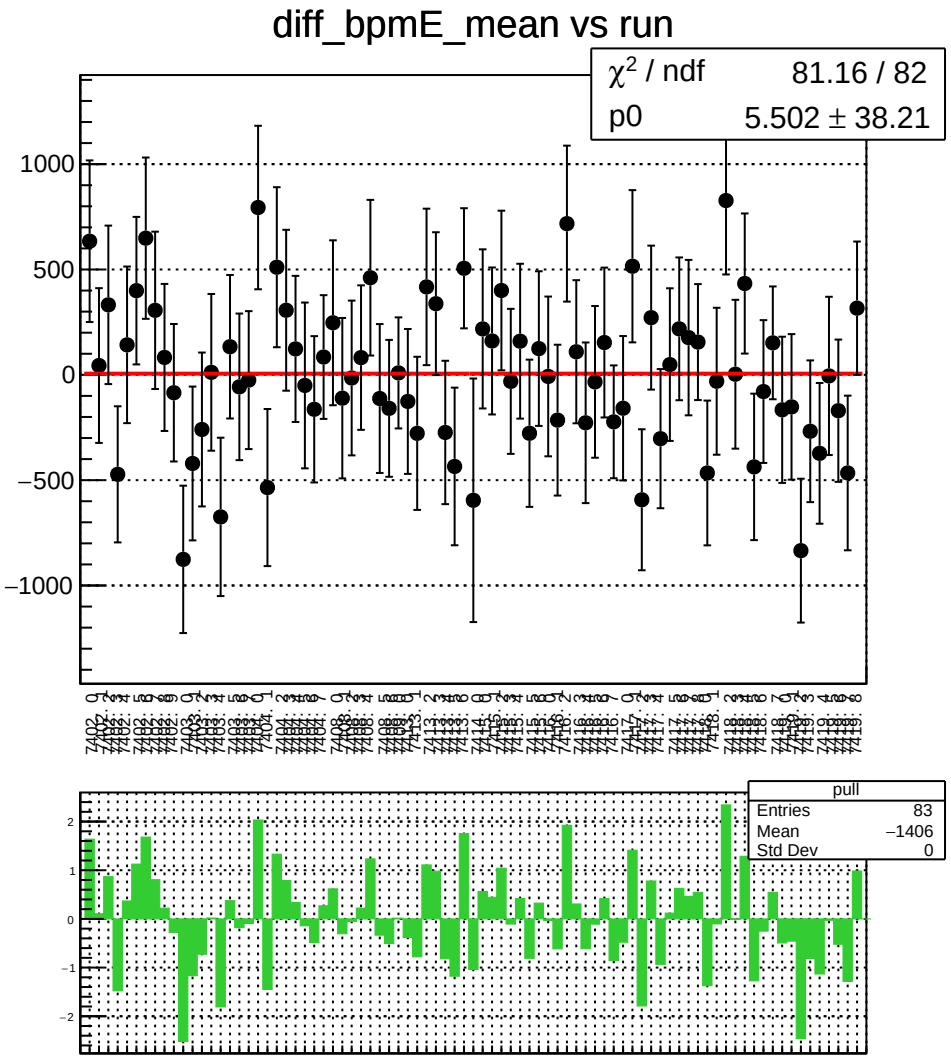

pull1D
Entries 83
Mean 0.003958
Std Dev 0.9565

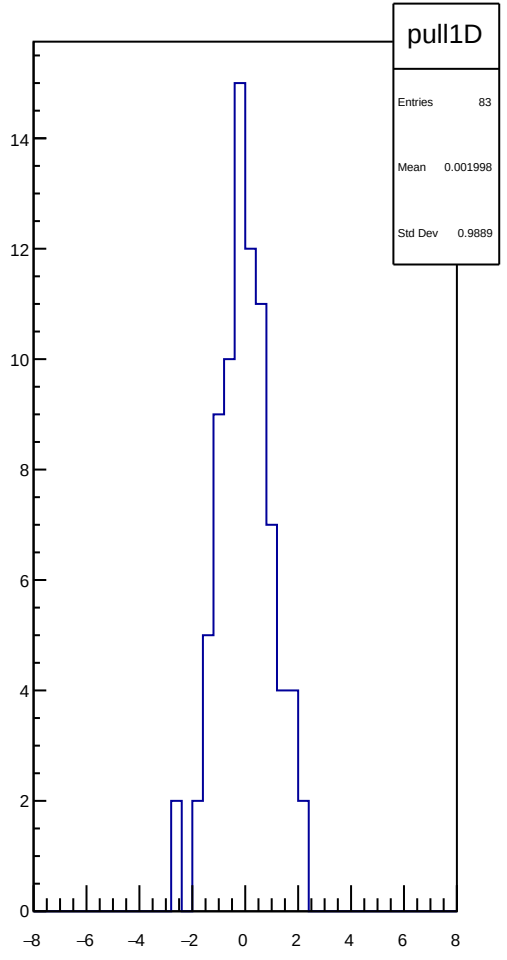

diff_targ_thetaX_rms vs run
χ² / ndf 2.934e+04 / 82
p0 355.2 ± 0.2853
450
400
350
300
250

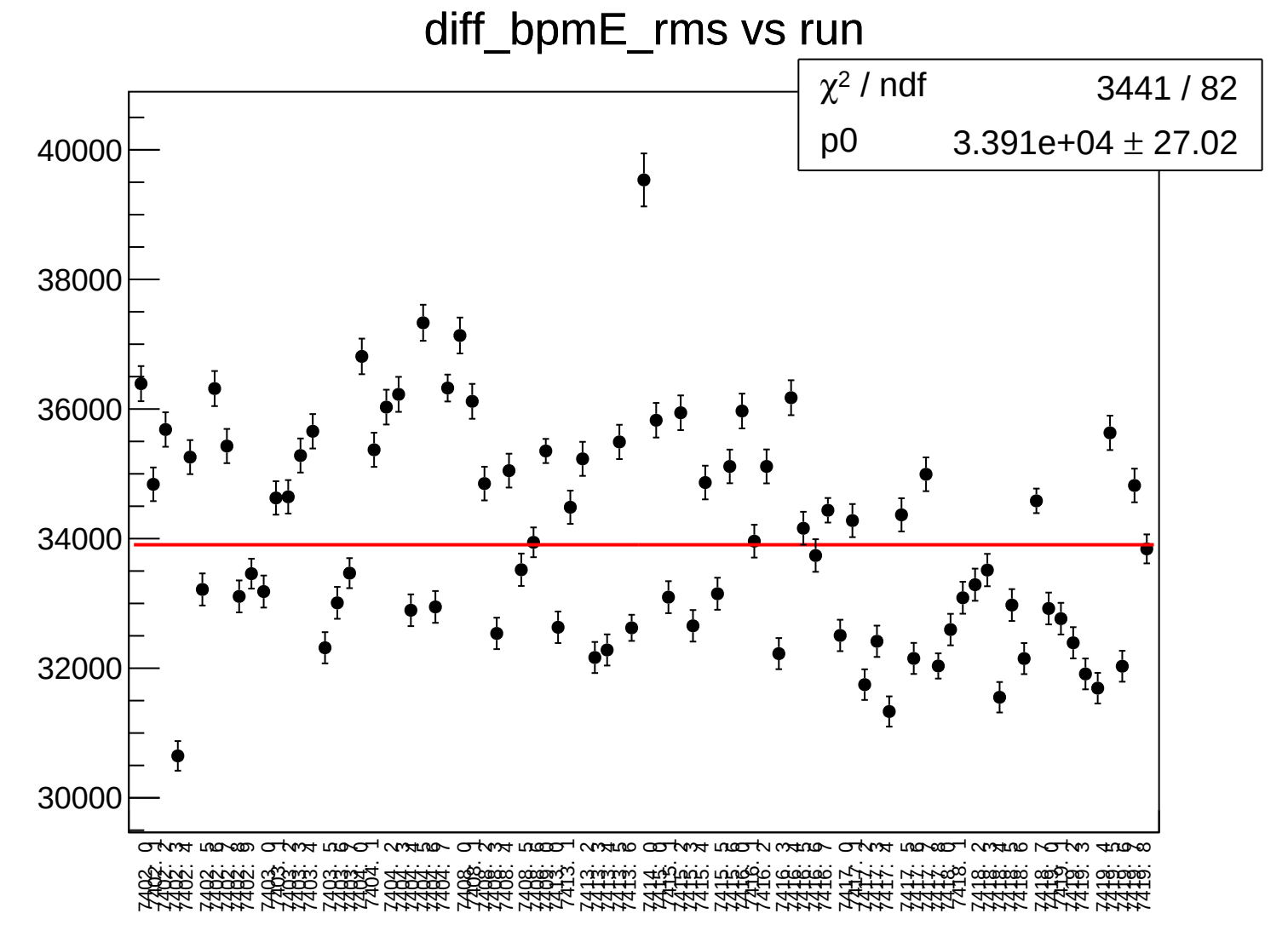

diff_targ_thetaY_mean vs run
χ² / ndf 83.93 / 82
p0 0.9015 ± 0.4305
pull
Entries 83
Mean 983.9
Std Dev 0

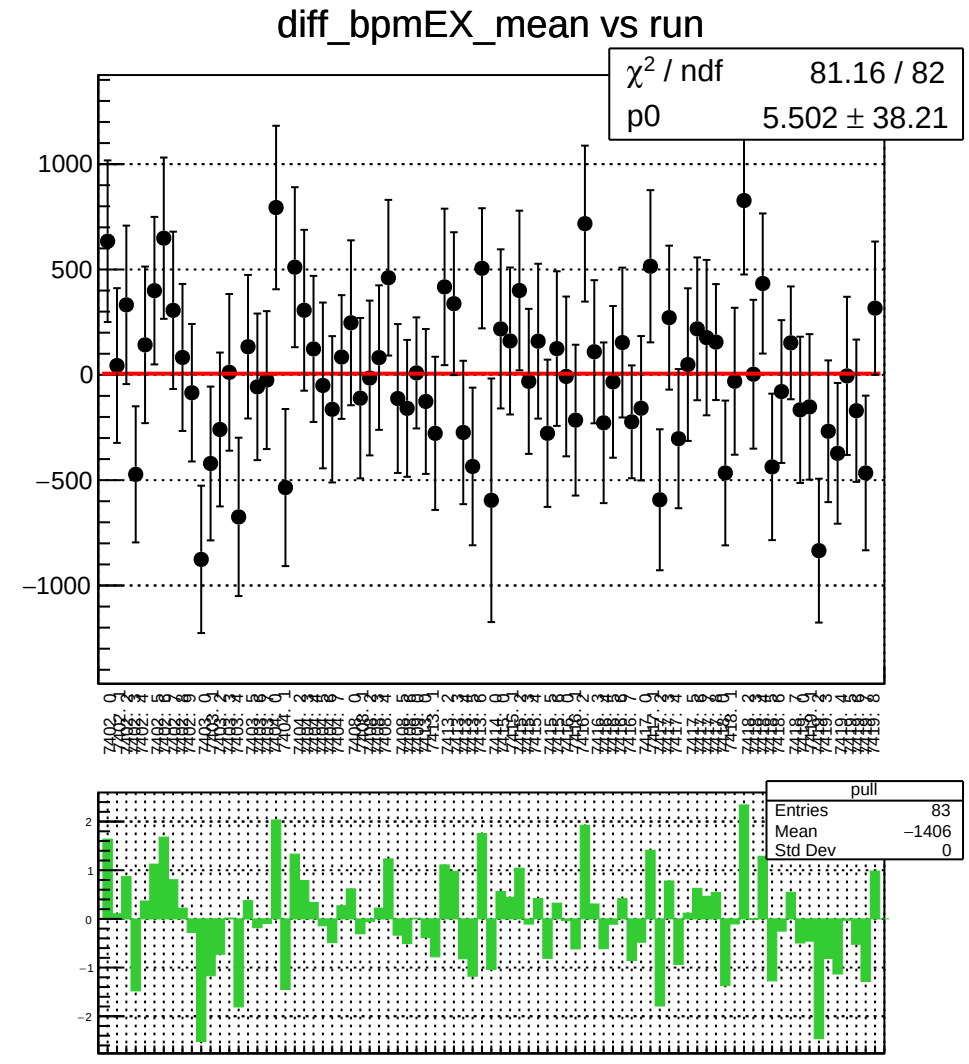

pull1D
Entries 83
Mean 0.002484
Std Dev 1.006

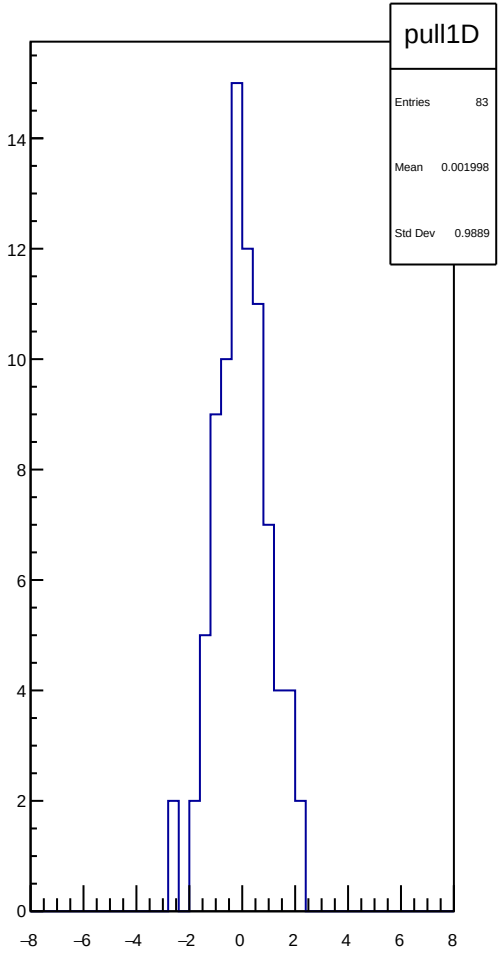

diff_targ_thetaY_rms vs run
χ² / ndf 8920 / 82
p0 381.4 ± 0.3044
460
440
420
400
380
360
340
320

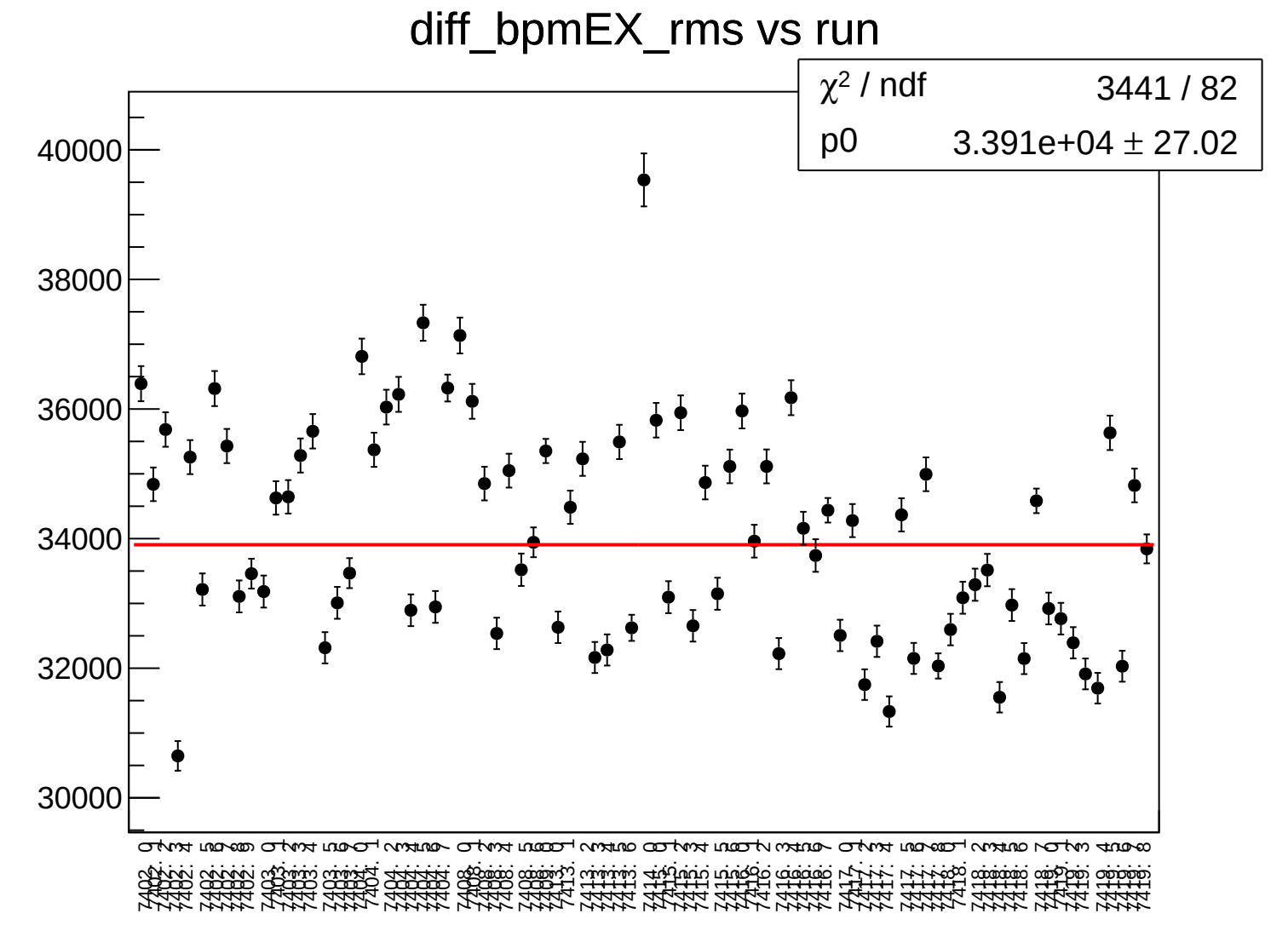

diff_bpmE_mean vs run
χ^2 / ndf 81.16 / 82
p0 5.502 ± 38.21
1000
500
0
−500
−1000
pull
Entries 83
Mean −1406
Std Dev 0
2
1
0
−1
−2

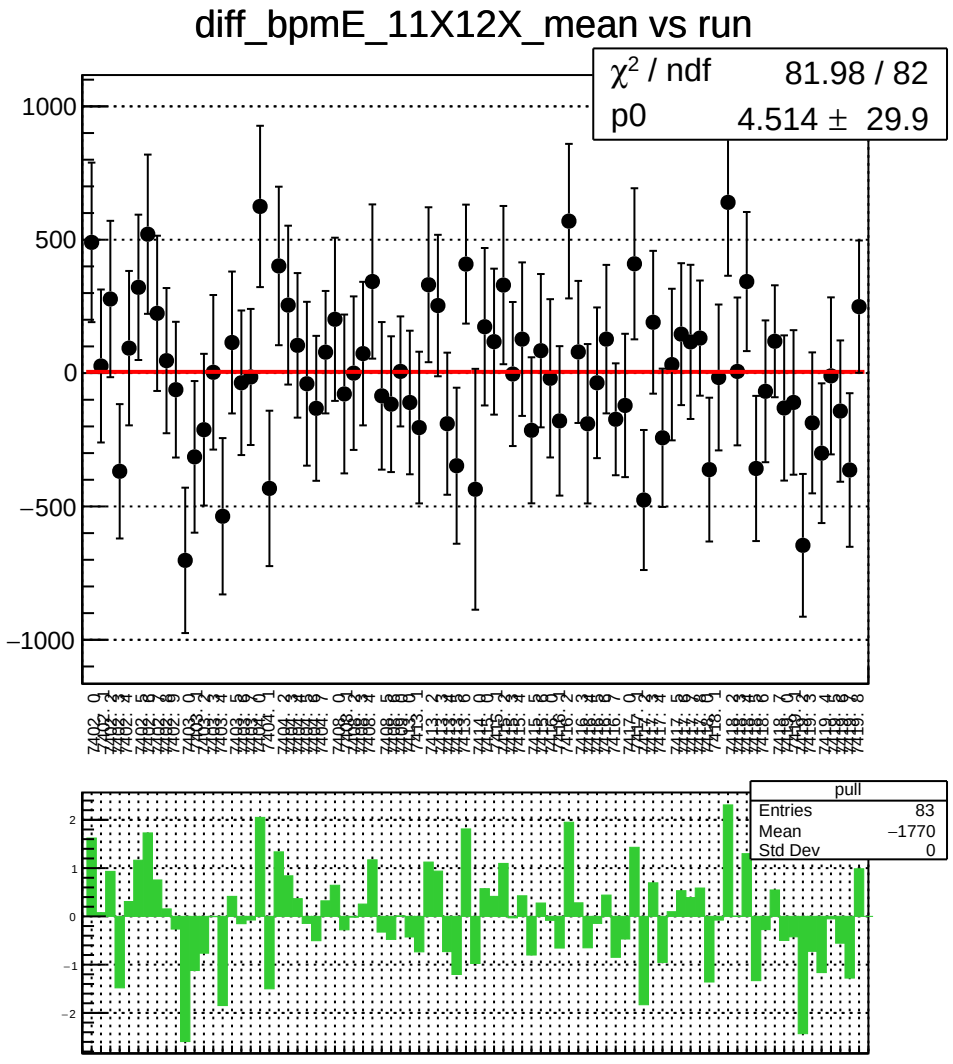

pull1D
Entries 83
Mean 0.001998
Std Dev 0.9889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

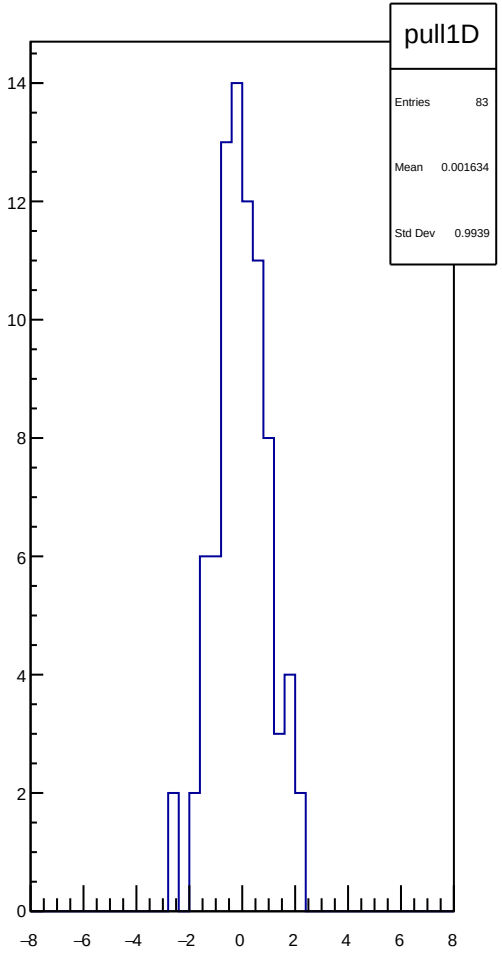

diff_bpmE_rms vs run
χ² / ndf 3441 / 82
p0 3.391e+04 ± 27.02
40000
38000
36000
34000
32000
30000

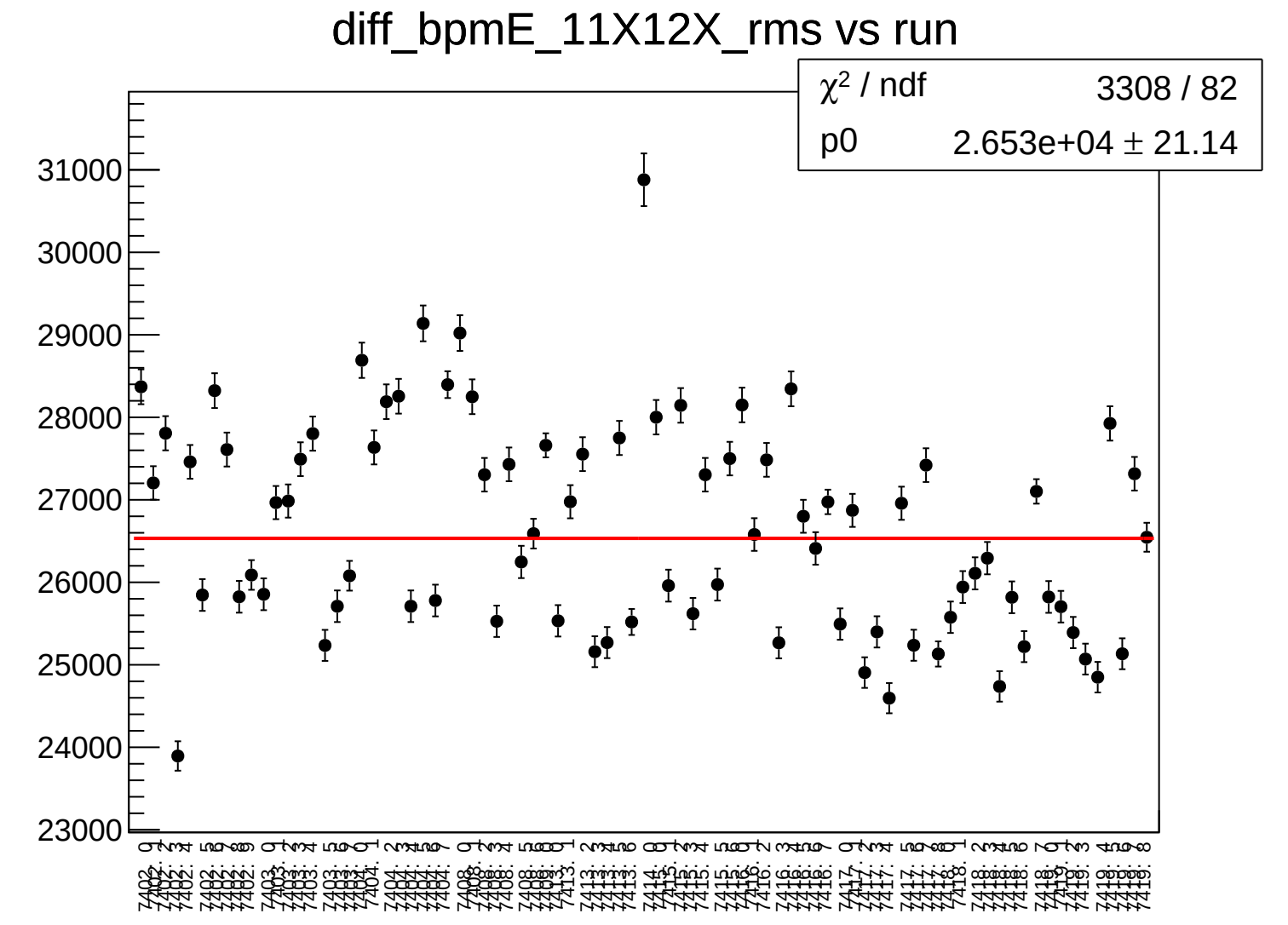

diff_bpmEX_mean vs run
χ² / ndf 81.16 / 82
p0 5.502 ± 38.21
1000
500
0
−500
−1000
pull
Entries 83
Mean −1406
Std Dev 0
2
1
0
−1
−2

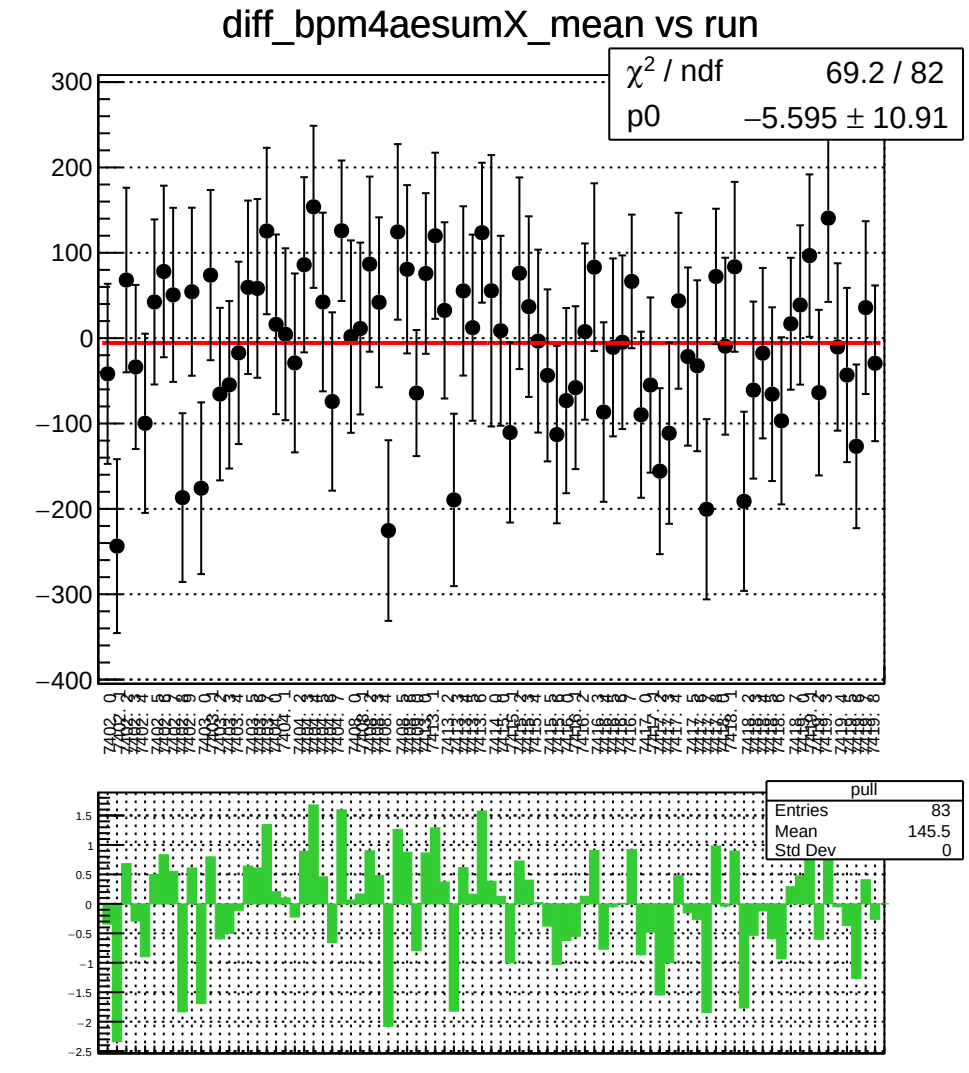

pull1D
Entries 83
Mean 0.001998
Std Dev 0.9889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmEX_rms vs run
χ² / ndf 3441 / 82
p0 3.391e+04 ± 27.02
40000
38000
36000
34000
32000
30000

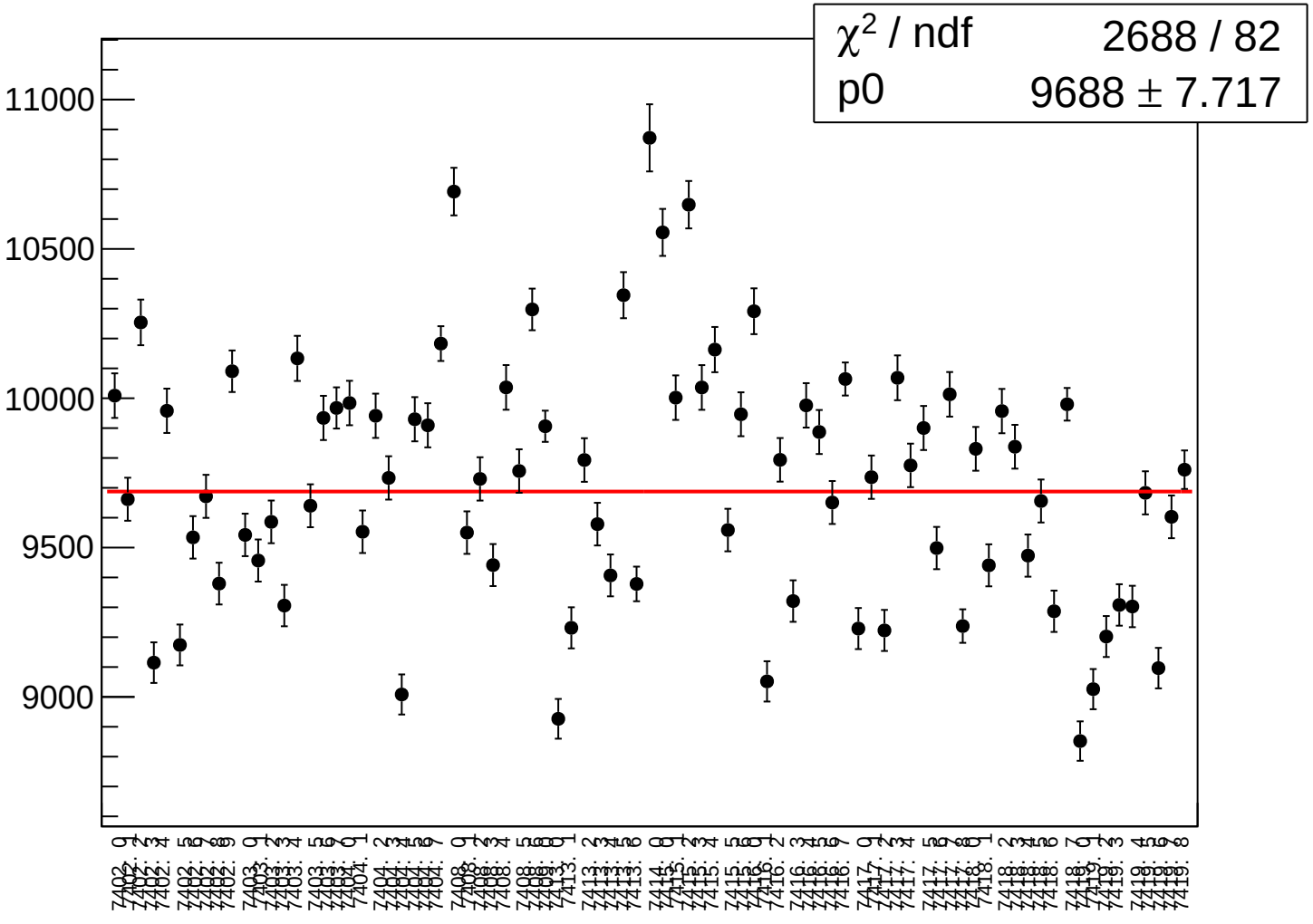

diff_bpmE_11X12X_mean vs run
χ² / ndf 81.98 / 82
p0 4.514 ± 29.9
1000
500
0
−500
−1000
pull
Entries 83
Mean −1770
Std Dev 0
2
1
0
−1
−2

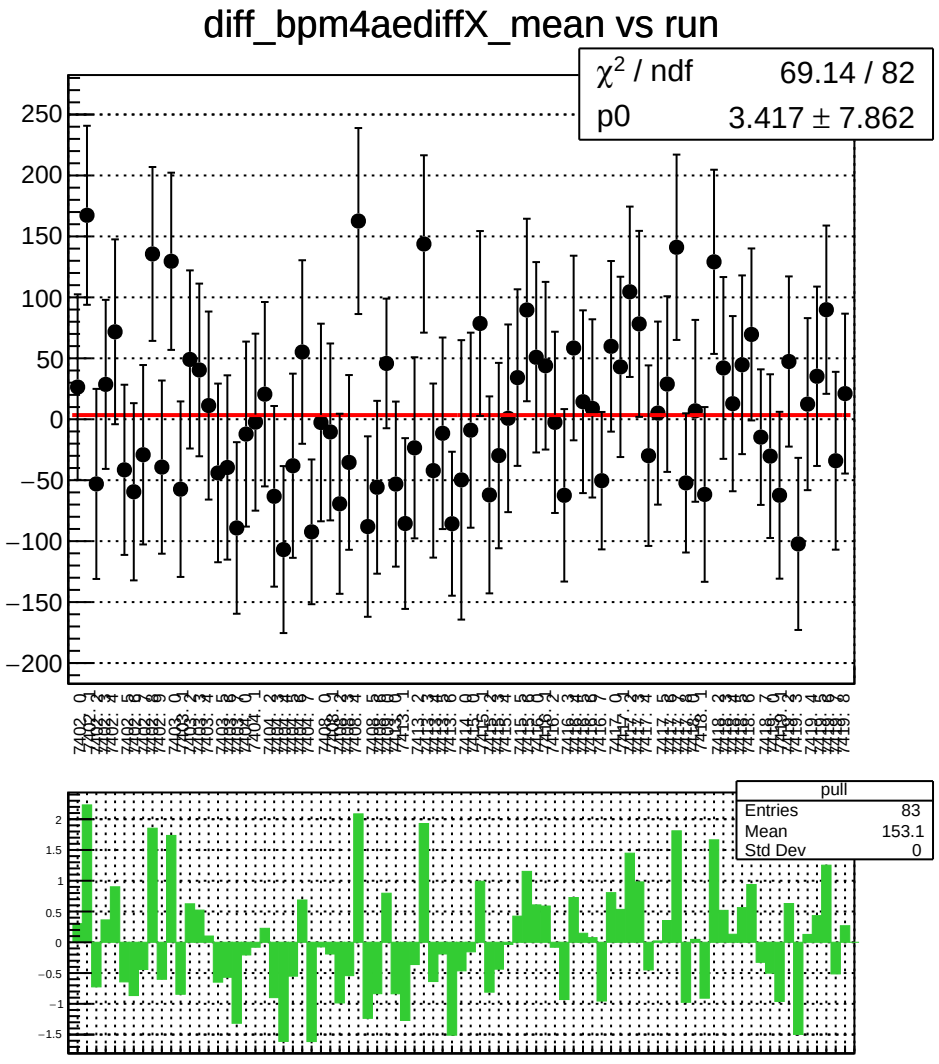

pull1D
Entries 83
Mean 0.001634
Std Dev 0.9939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

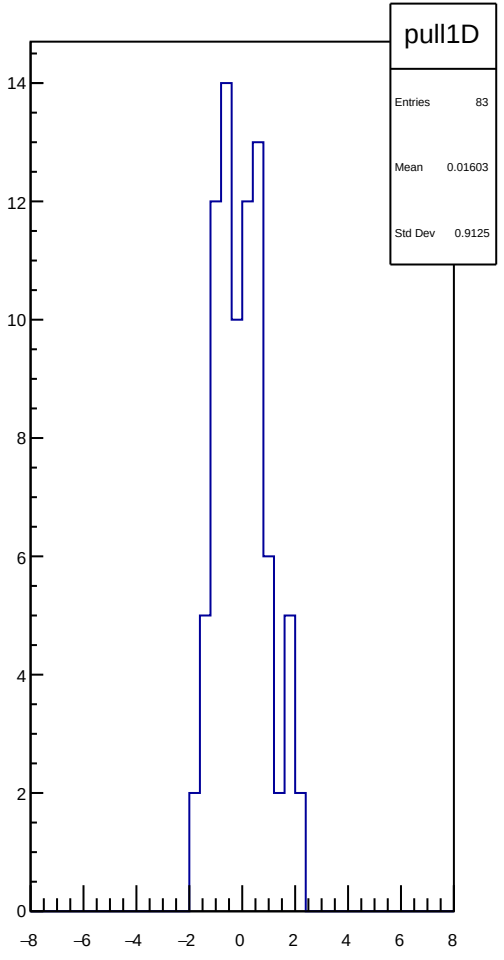

diff_bpmE_11X12X_rms vs run
χ² / ndf 3308 / 82
p0 2.653e+04 ± 21.14
31000
30000
29000
28000
27000
26000
25000
24000
23000

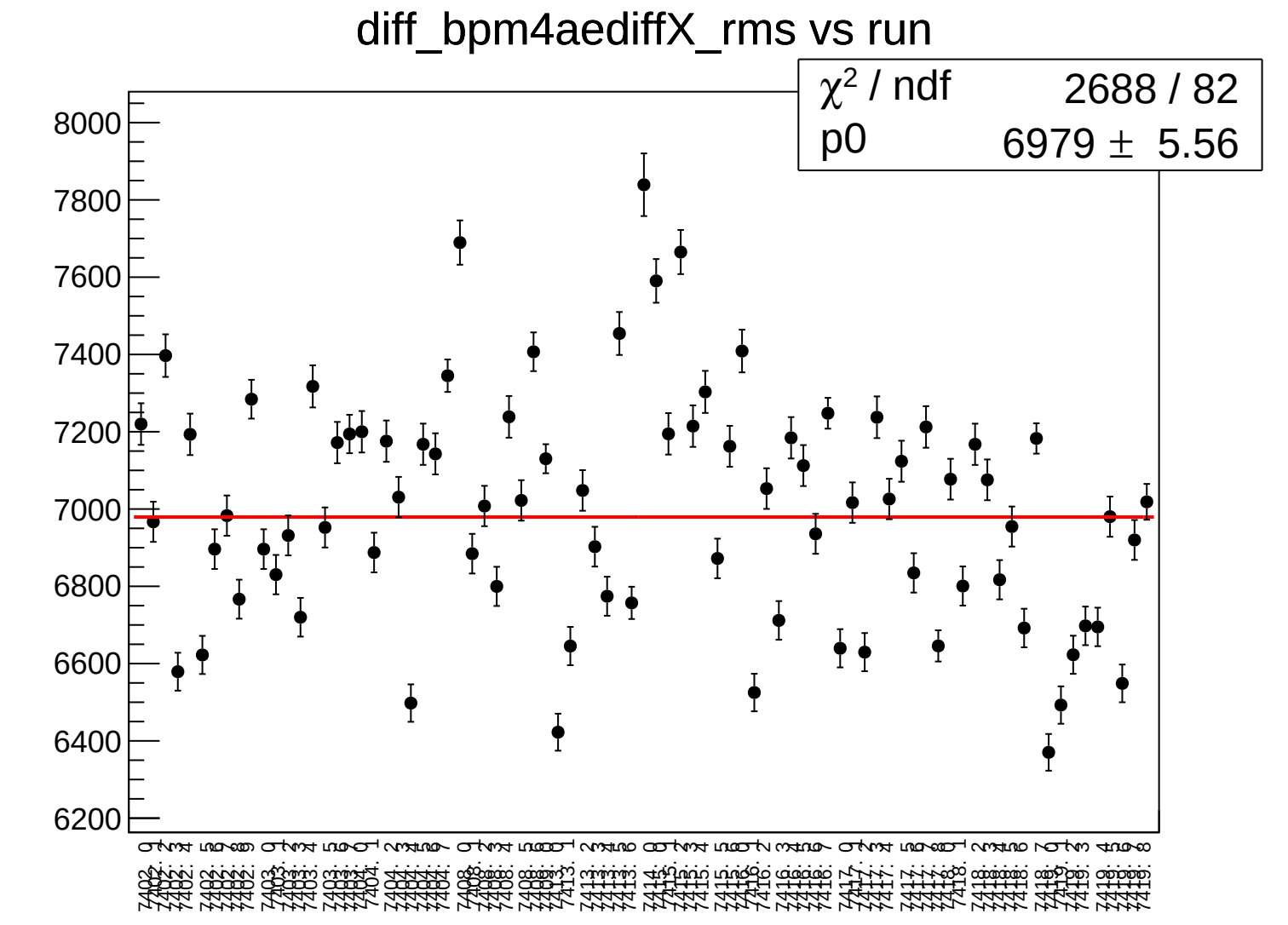

diff_bpm4aesumX_mean vs run
χ² / ndf 69.2 / 82
p0 −5.595 ± 10.91
pull
Entries 83
Mean 145.5
Std Dev 0
pull1D
Entries 83
Mean −0.01677
Std Dev 0.913

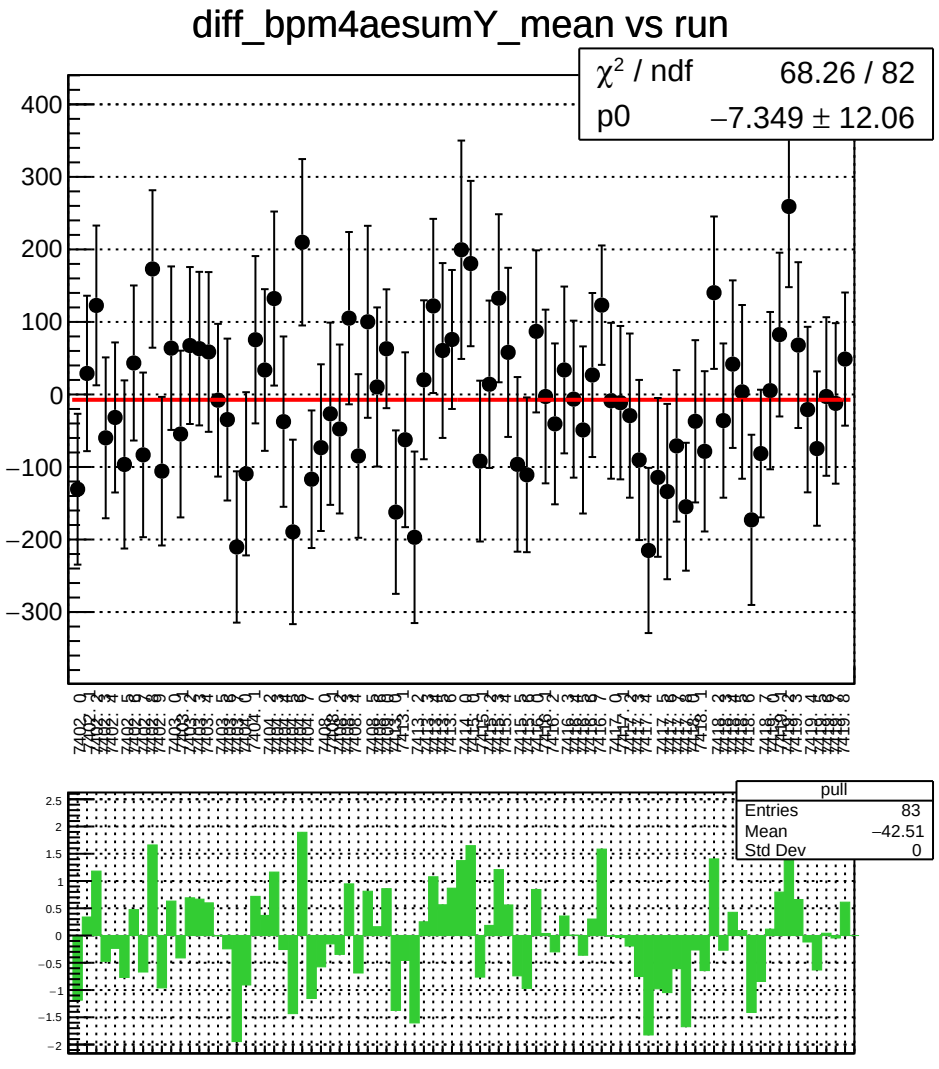
diff_bpm4aesumX_rms vs run

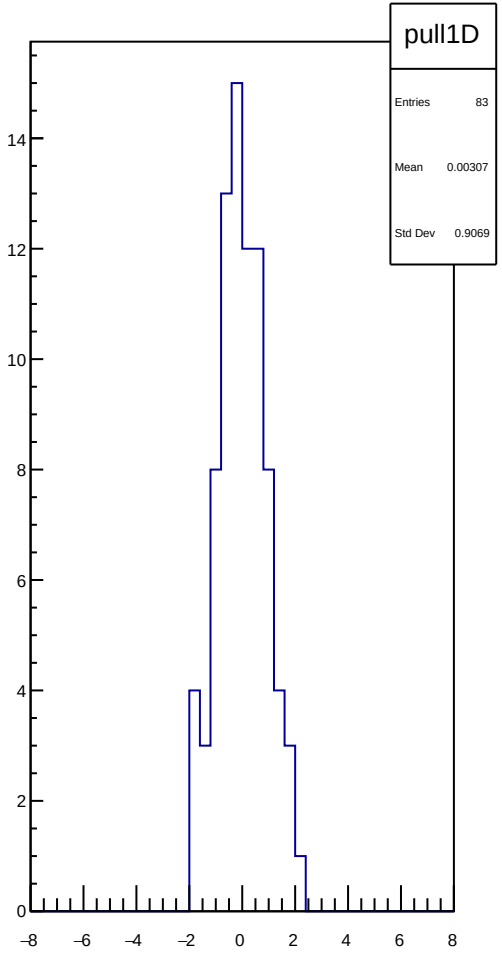


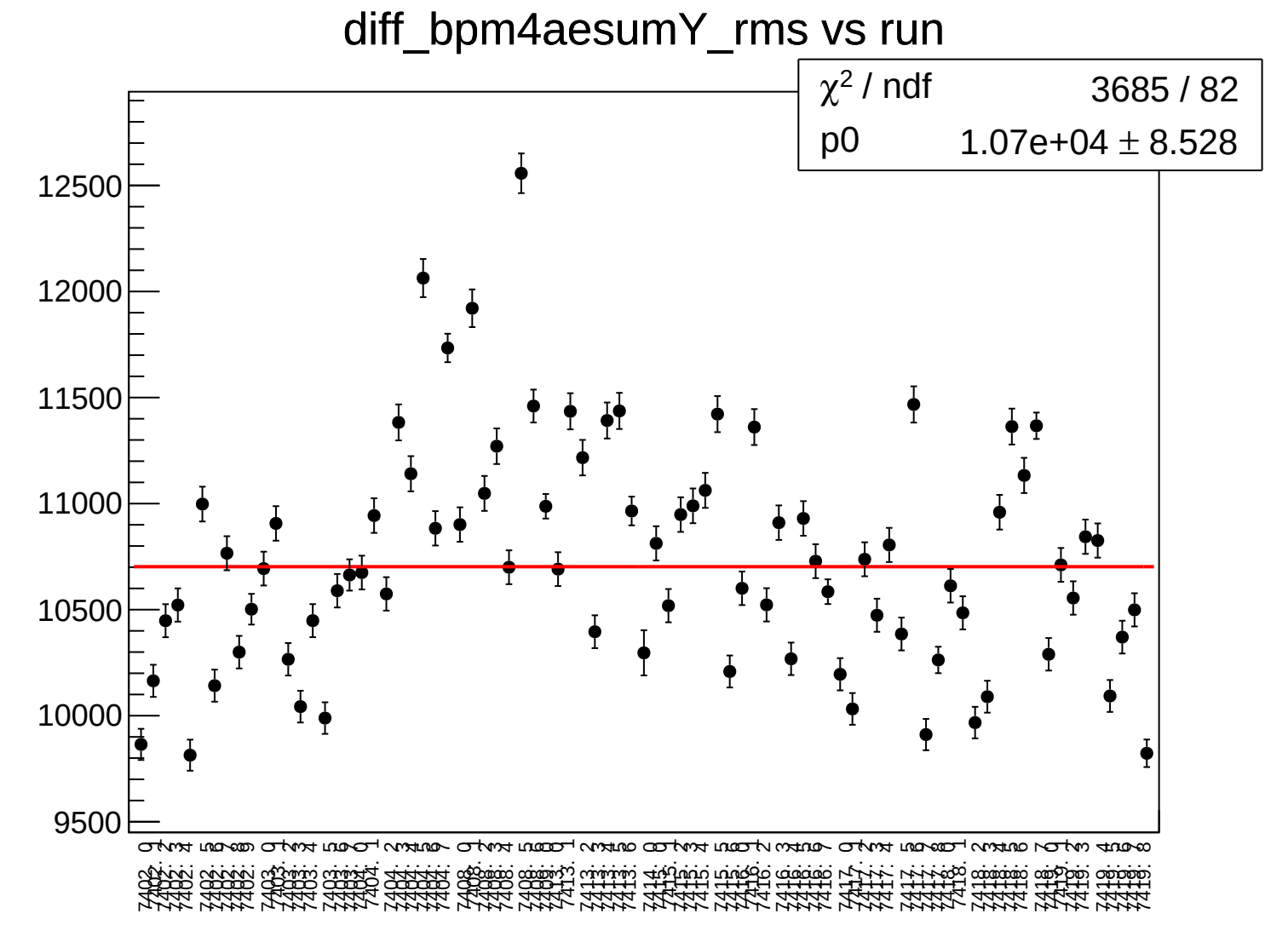

diff_bpm4aediffX_mean vs run
χ² / ndf 69.14 / 82
p0 3.417 ± 7.862
pull
Entries 83
Mean 153.1
Std Dev 0

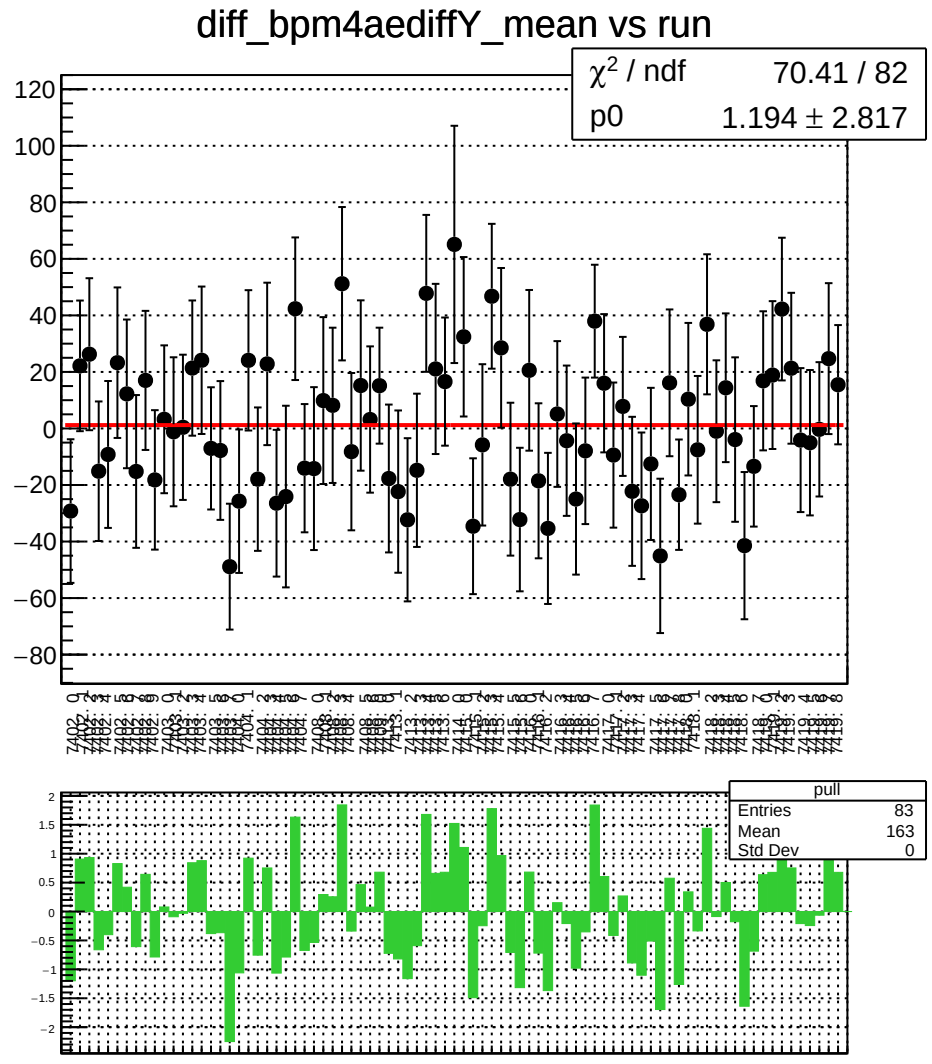

pull1D
Entries 83
Mean 0.01603
Std Dev 0.9125

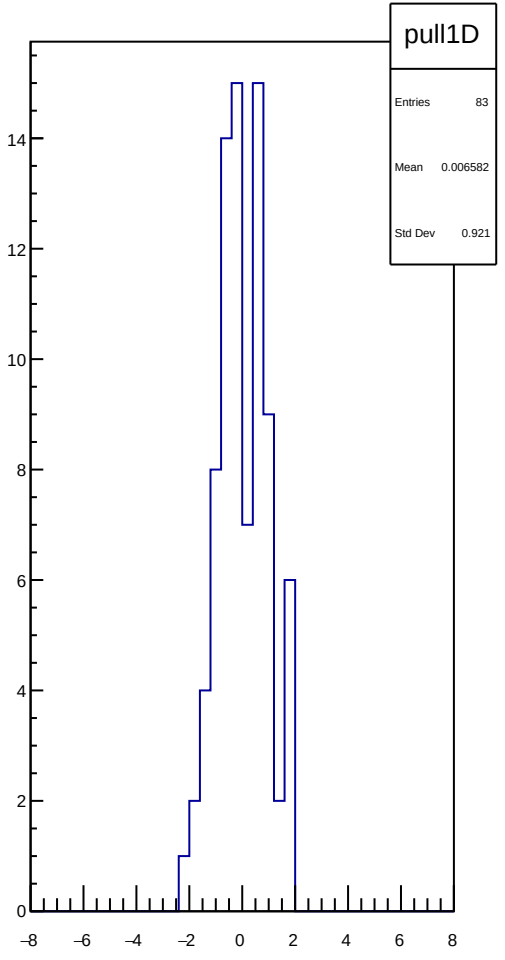

diff_bpm4aediffX_rms vs run
χ² / ndf 2688 / 82
p0 6979 ± 5.56
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200

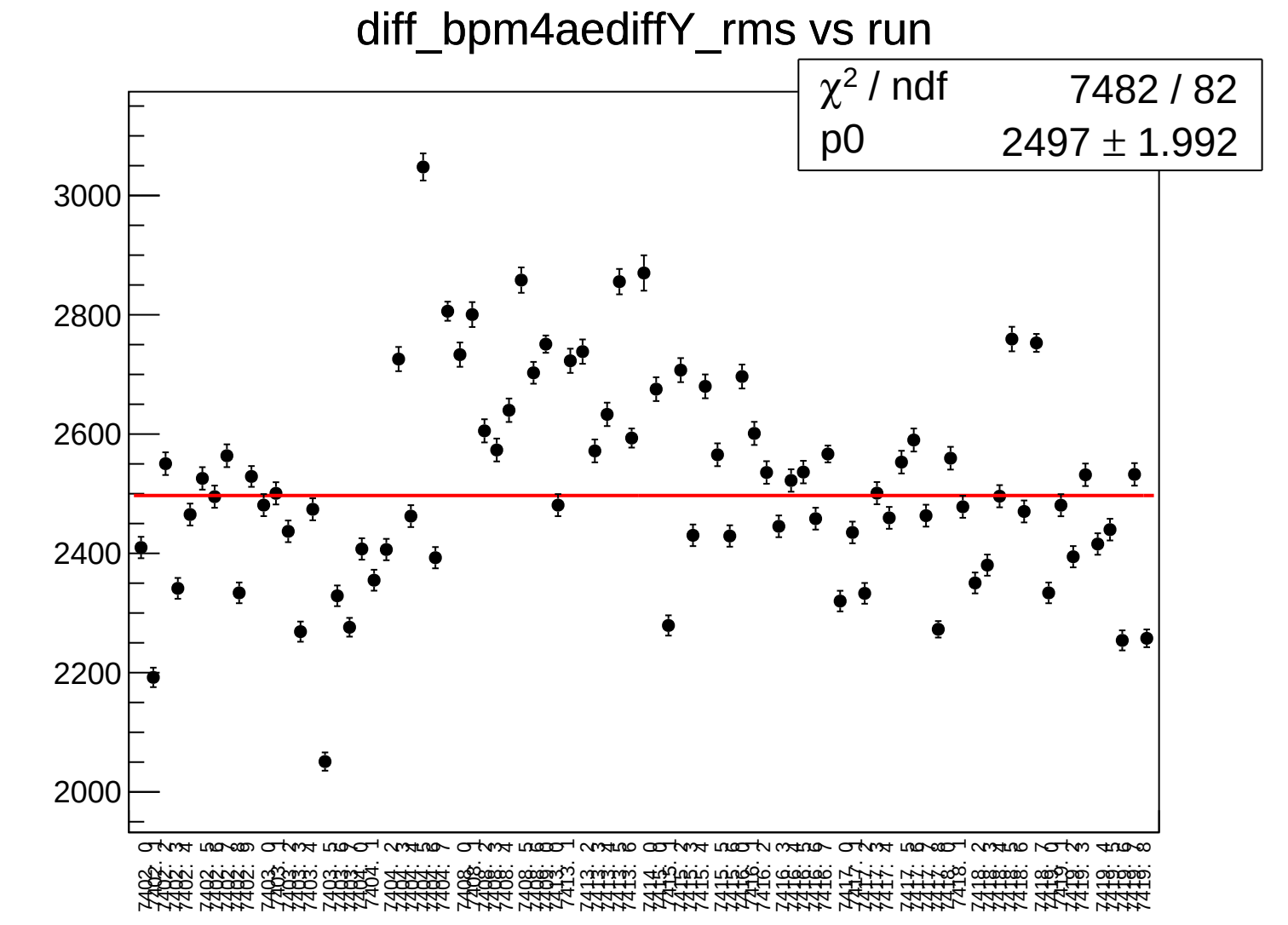

diff_bpm4aesumY_mean vs run
χ² / ndf 68.26 / 82
p0 −7.349 ± 12.06
pull
Entries 83
Mean −42.51
Std Dev 0

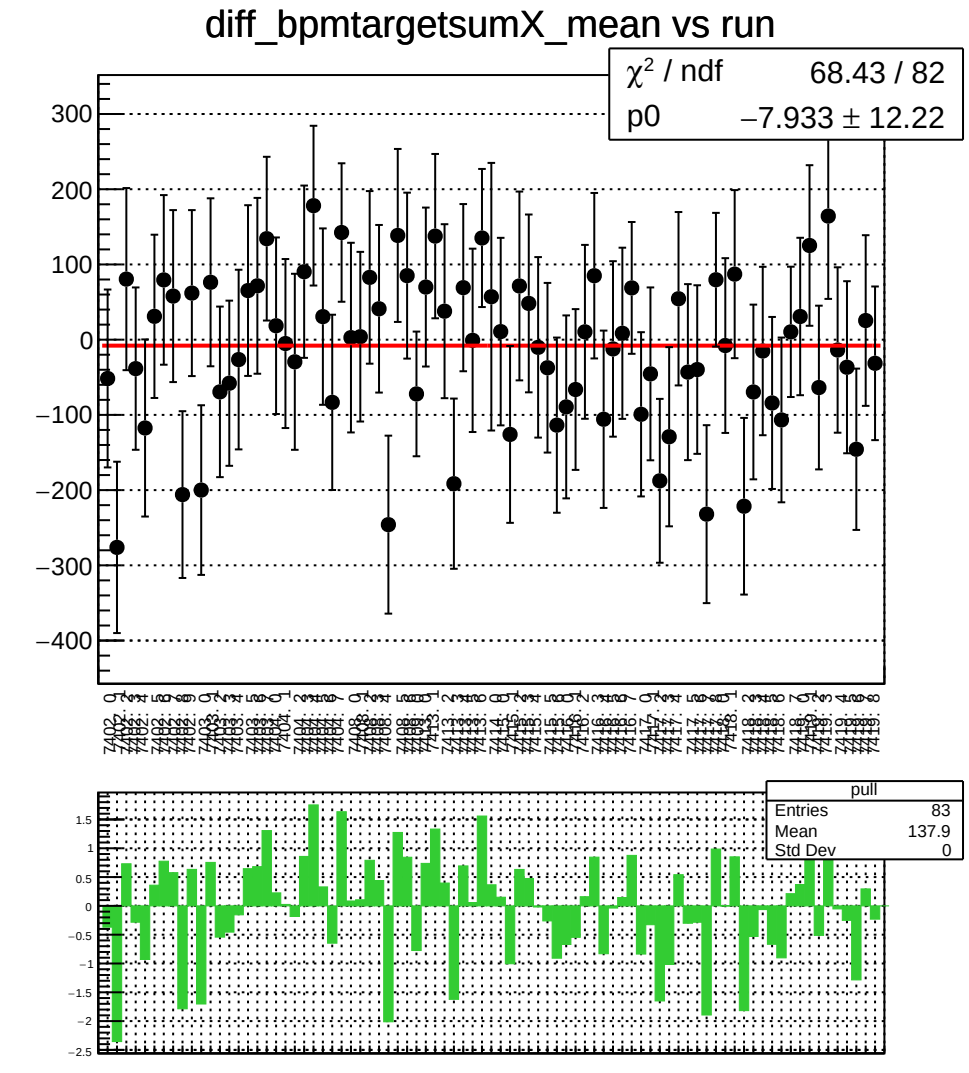

pull1D
Entries 83
Mean 0.00307
Std Dev 0.9069

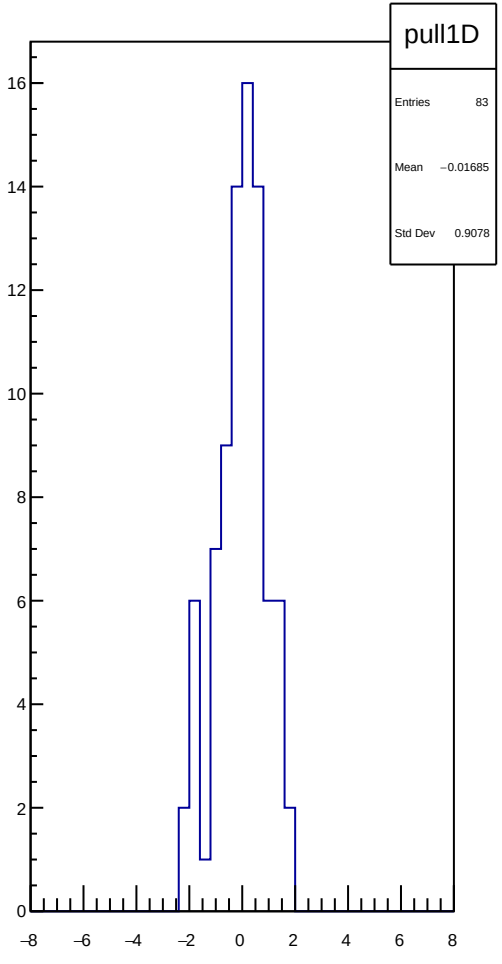

diff_bpm4aesumY_rms vs run
χ² / ndf 3685 / 82
p0 1.07e+04 ± 8.528
12500
12000
11500
11000
10500
10000
9500

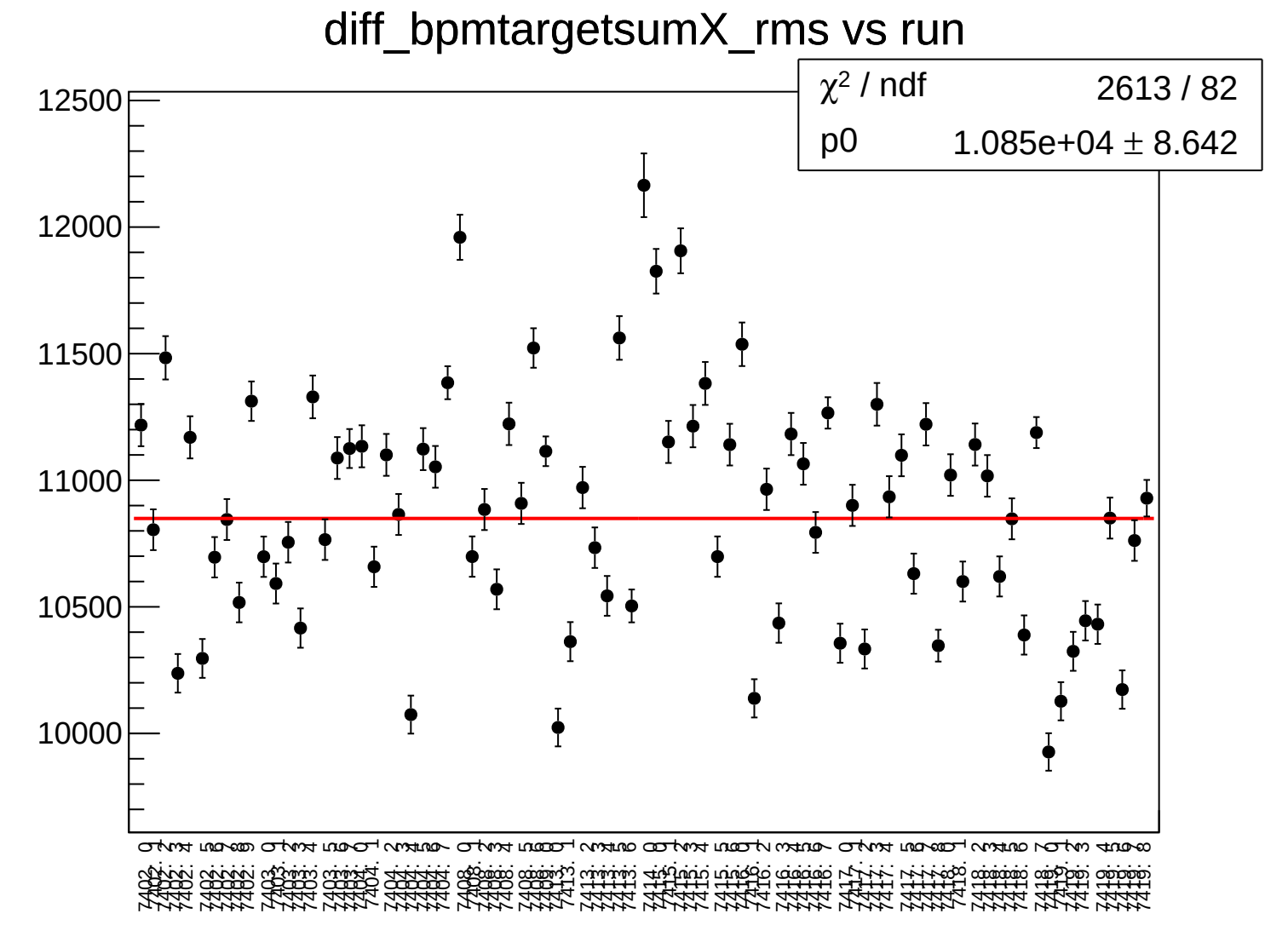

diff_bpm4aediffY_mean vs run
χ^2 / ndf 70.41 / 82
p0 1.194 ± 2.817
pull
Entries 83
Mean 163
Std Dev 0

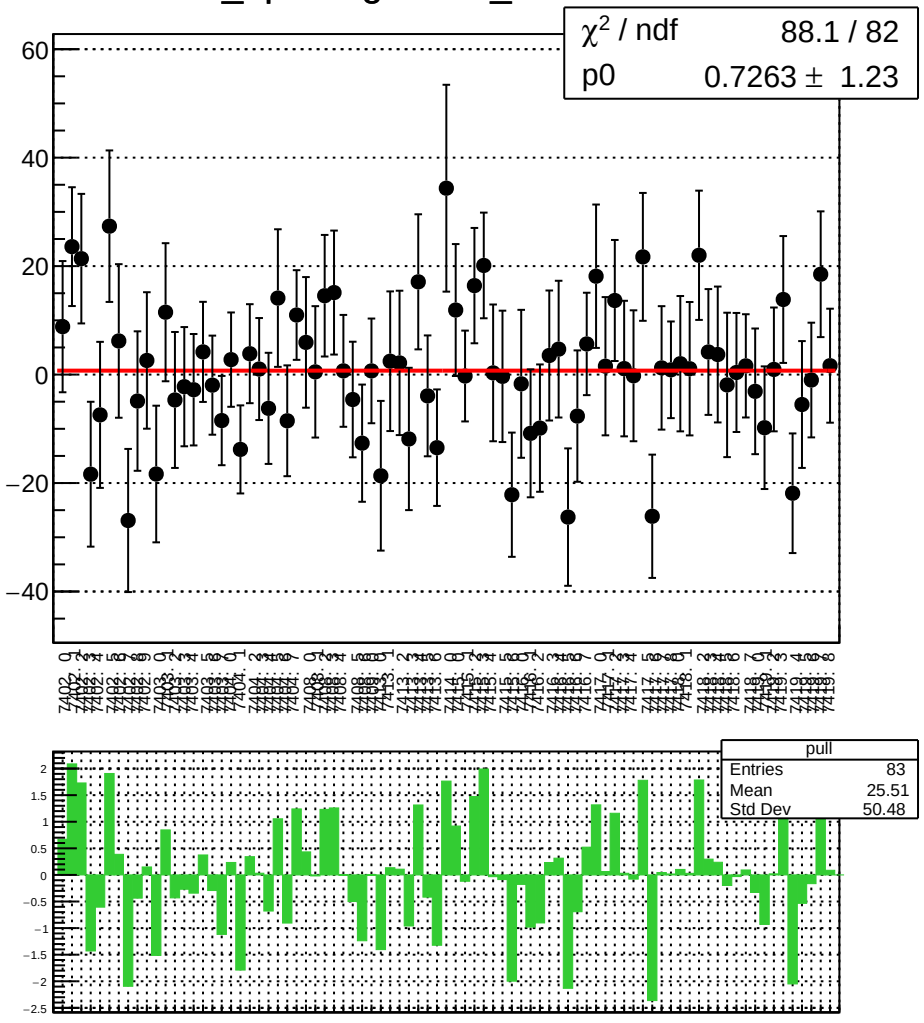

pull1D
Entries 83
Mean 0.006582
Std Dev 0.921

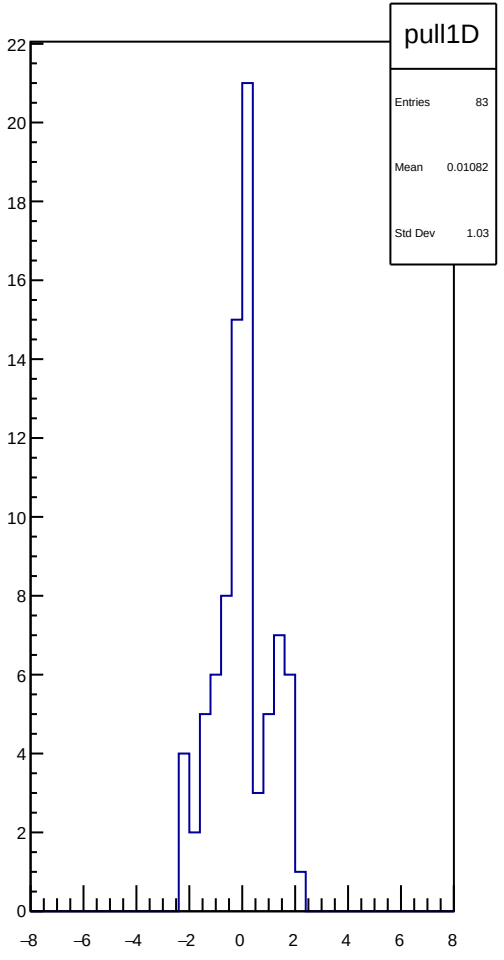

diff_bpm4aediffY_rms vs run
χ² / ndf 7482 / 82
p0 2497 ± 1.992
3000
2800
2600
2400
2200
2000

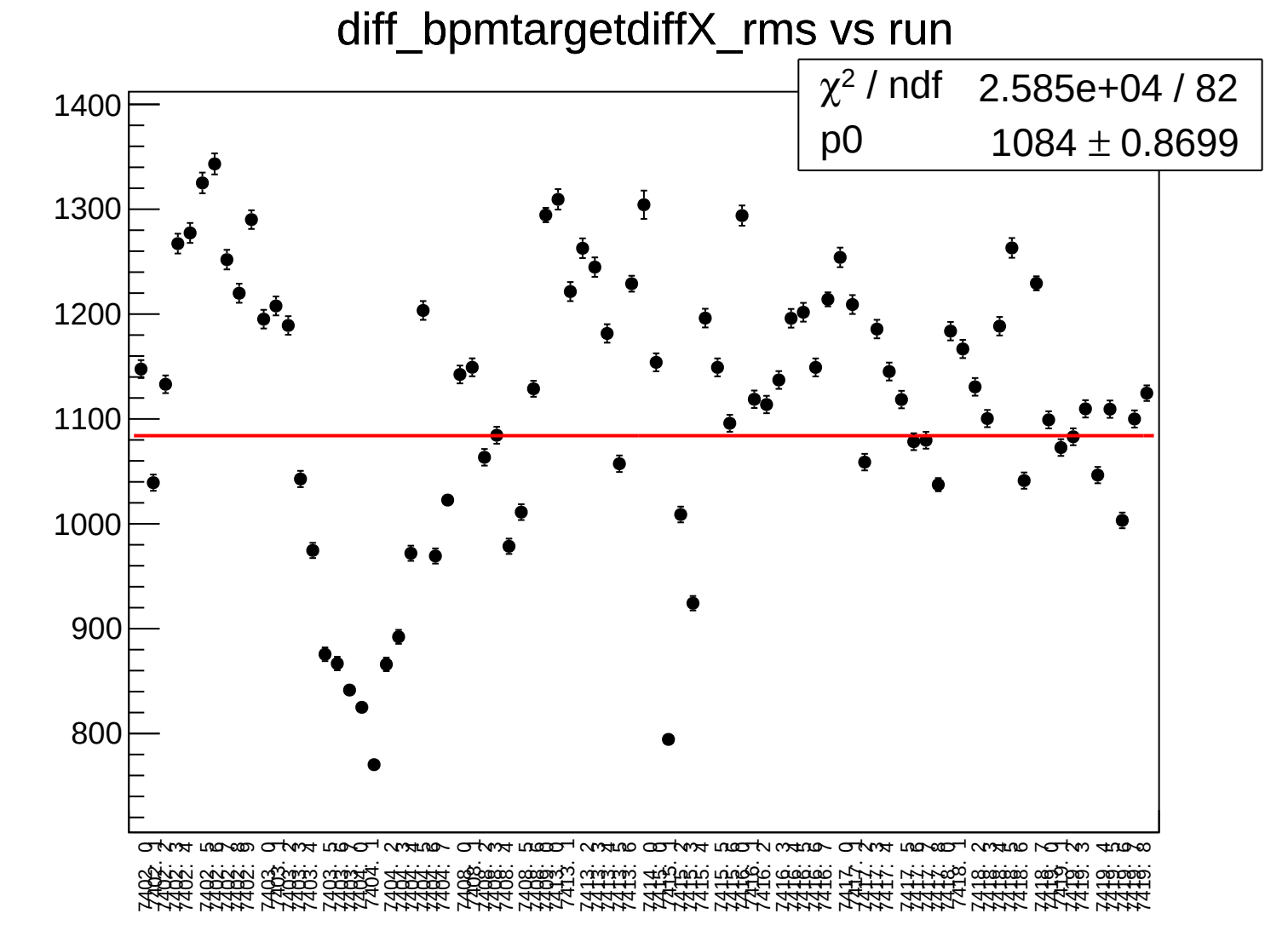

diff_bpmtargetsumX_mean vs run
χ² / ndf 68.43 / 82
p0 −7.933 ± 12.22
pull
Entries 83
Mean 137.9
Std Dev 0

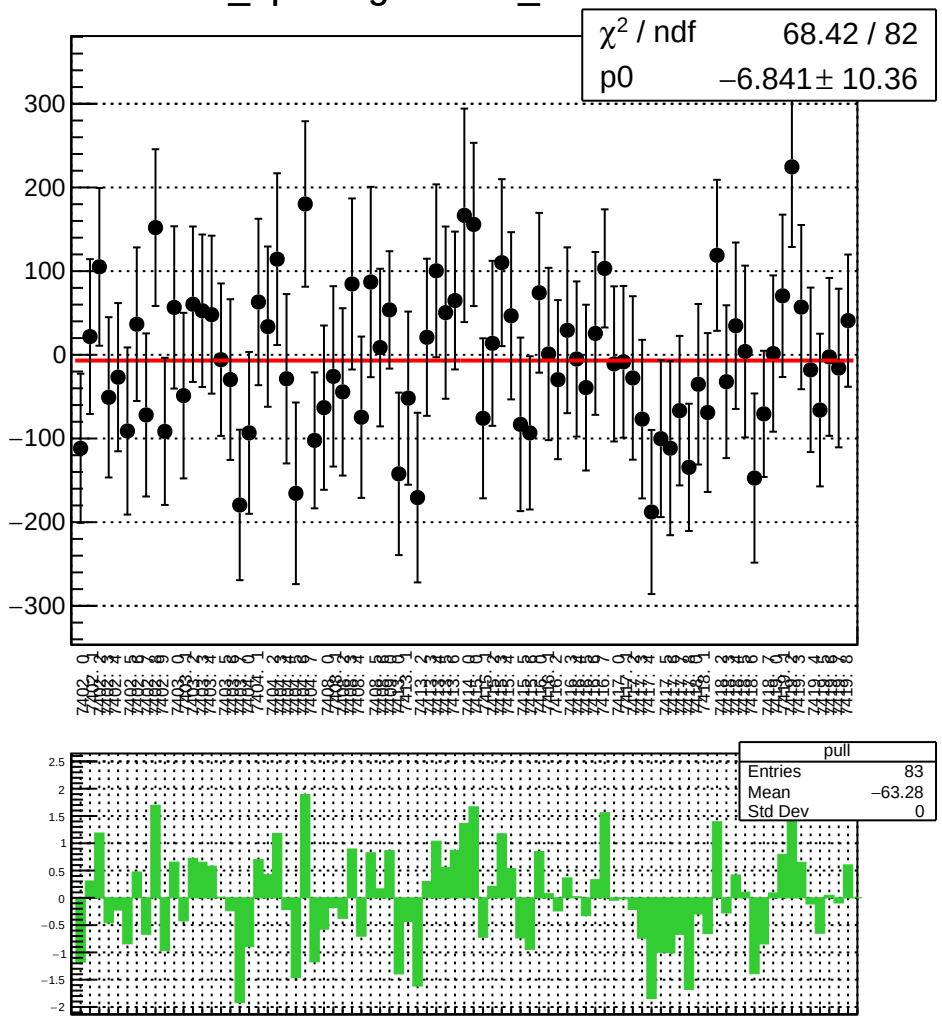

pull1D
Entries 83
Mean −0.01685
Std Dev 0.9078

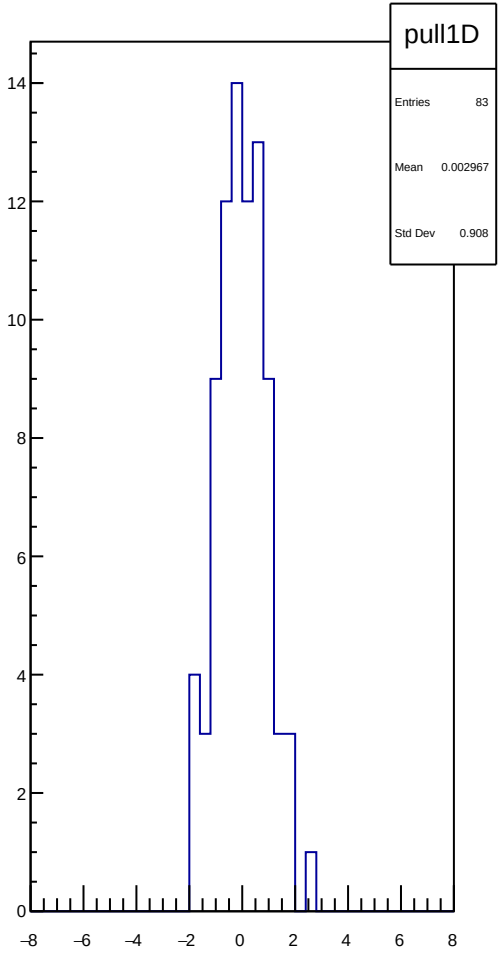

diff_bpmtargetsumX_rms vs run
χ² / ndf 2613 / 82
p0 1.085e+04 ± 8.642
12500
12000
11500
11000
10500
10000

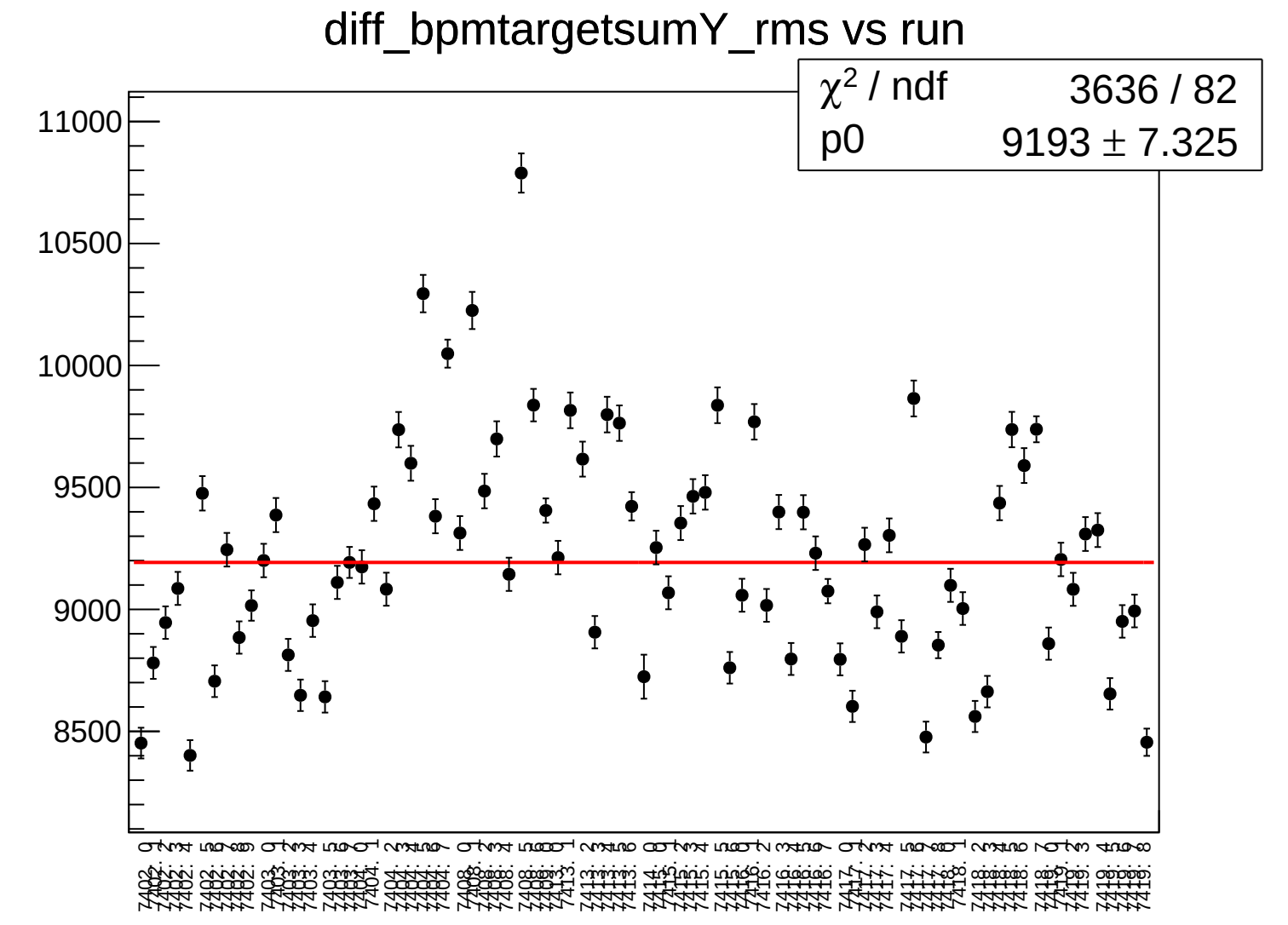

diff_bpmtargetdiffX_mean vs run
χ² / ndf 88.1 / 82
p0 0.7263 ± 1.23
pull
Entries 83
Mean 25.51
Std Dev 50.48

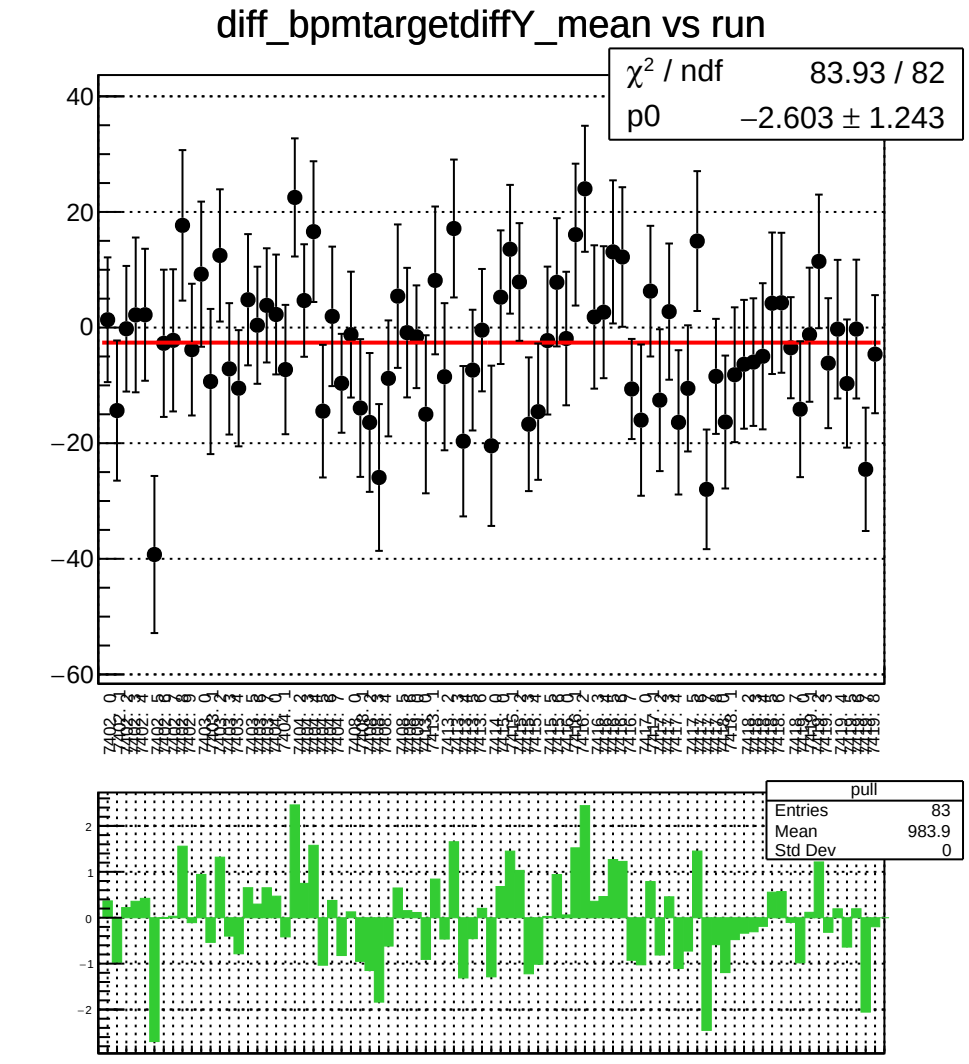

pull1D
Entries 83
Mean 0.01082
Std Dev 1.03

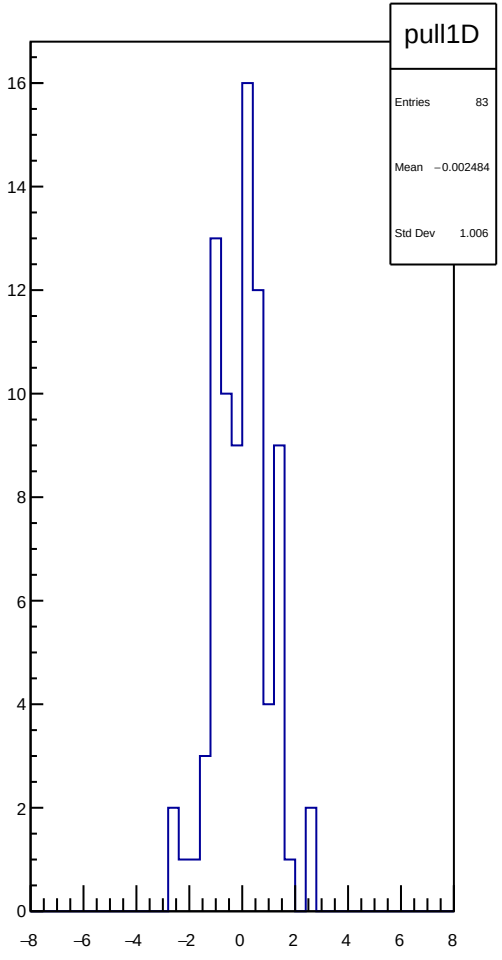

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2.585e+04 / 82
p0 1084 ± 0.8699
1400
1300
1200
1100
1000
900
800

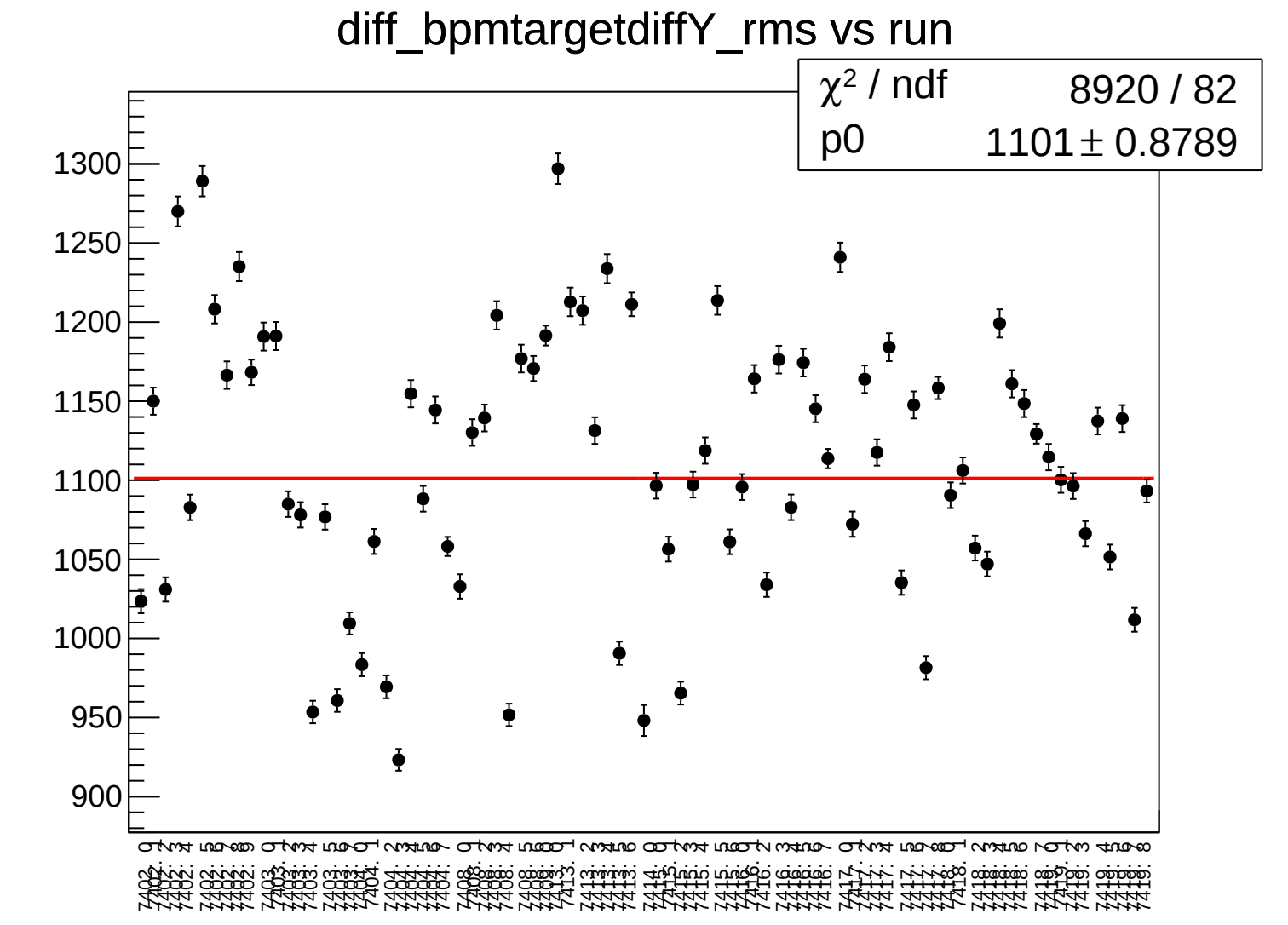

diff_bpmtargetsumY_mean vs run
χ² / ndf 68.42 / 82
p0 −6.841 ± 10.36
pull
Entries 83
Mean −63.28
Std Dev 0

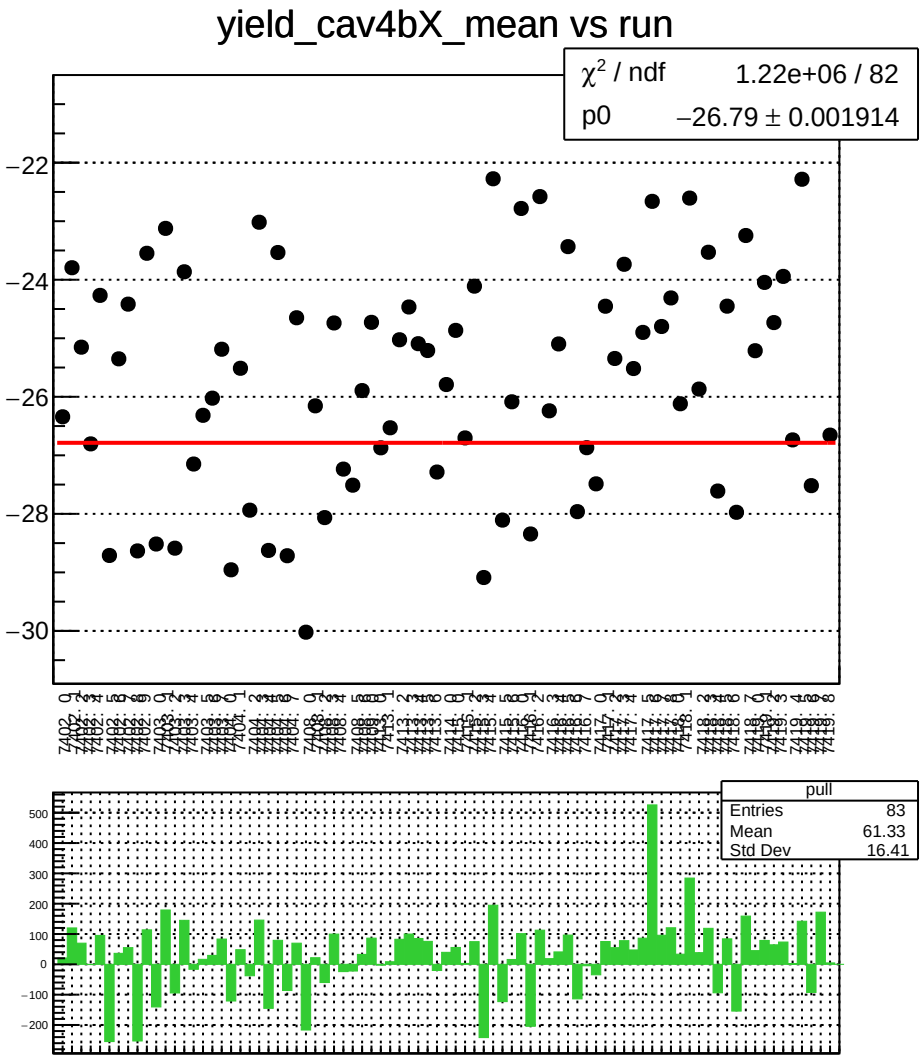

pull1D
Entries 83
Mean 0.002967
Std Dev 0.908

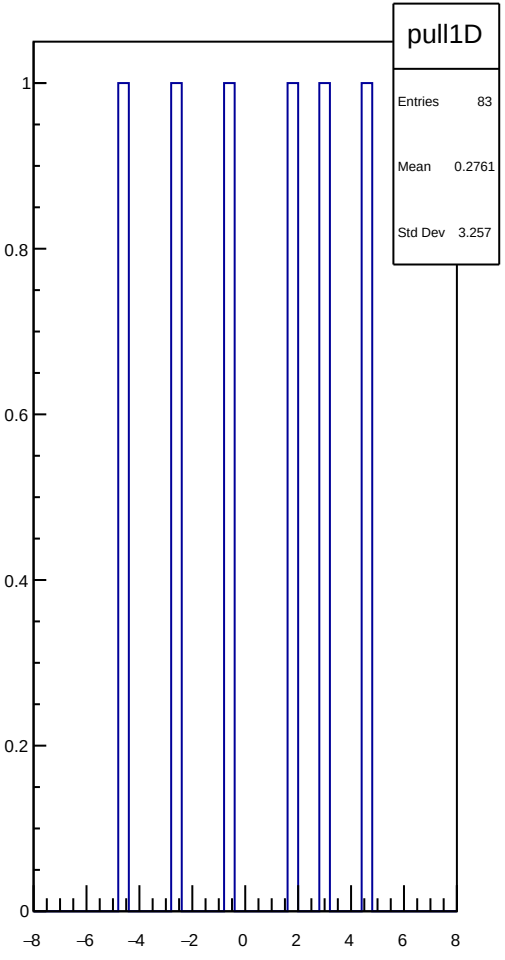

diff_bpmtargetsumY_rms vs run
χ² / ndf 3636 / 82
p0 9193 ± 7.325
11000
10500
10000
9500
9000
8500

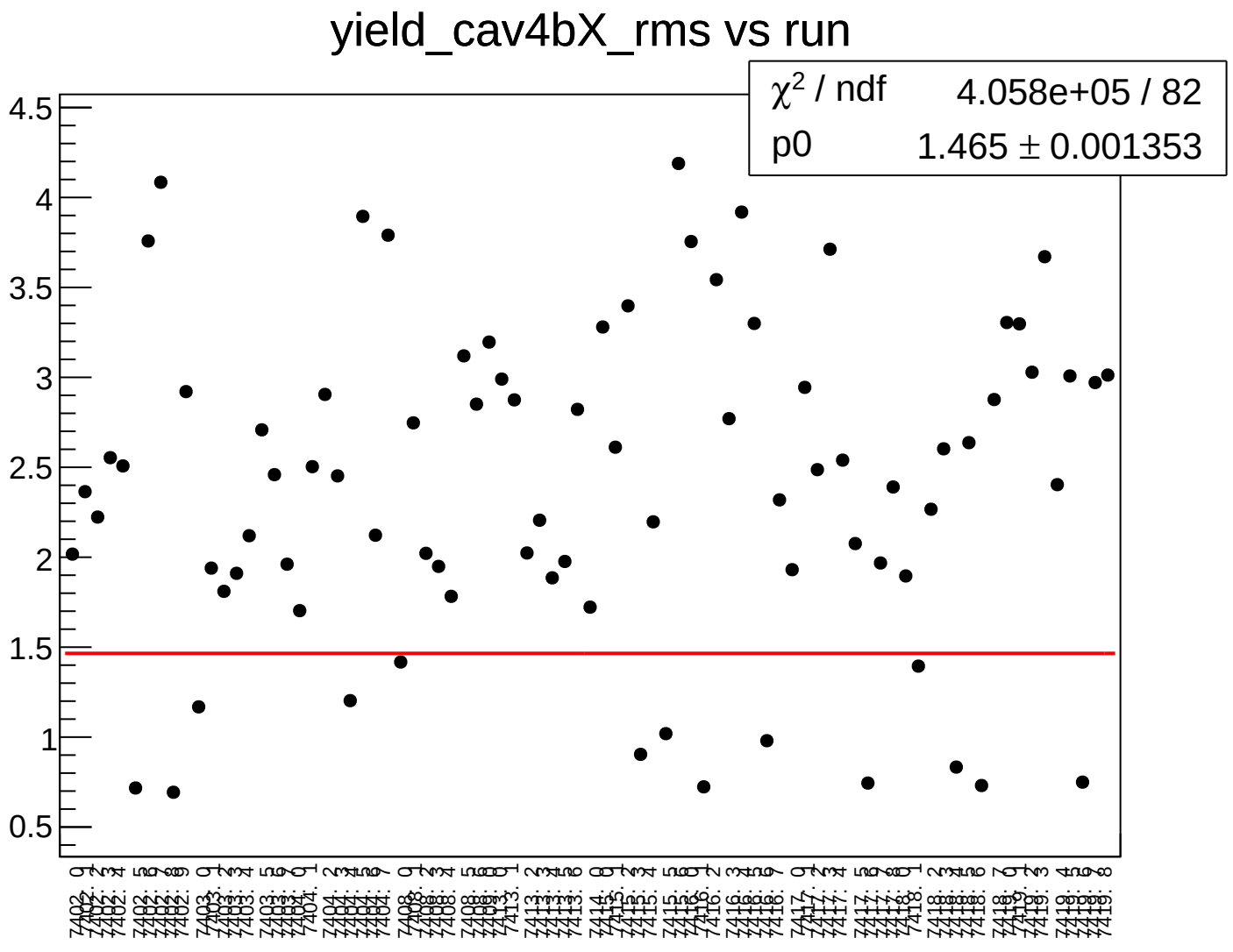

diff_bpmtargetdiffY_mean vs run
χ² / ndf 83.93 / 82
p0 −2.603 ± 1.243
pull
Entries 83
Mean 983.9
Std Dev 0

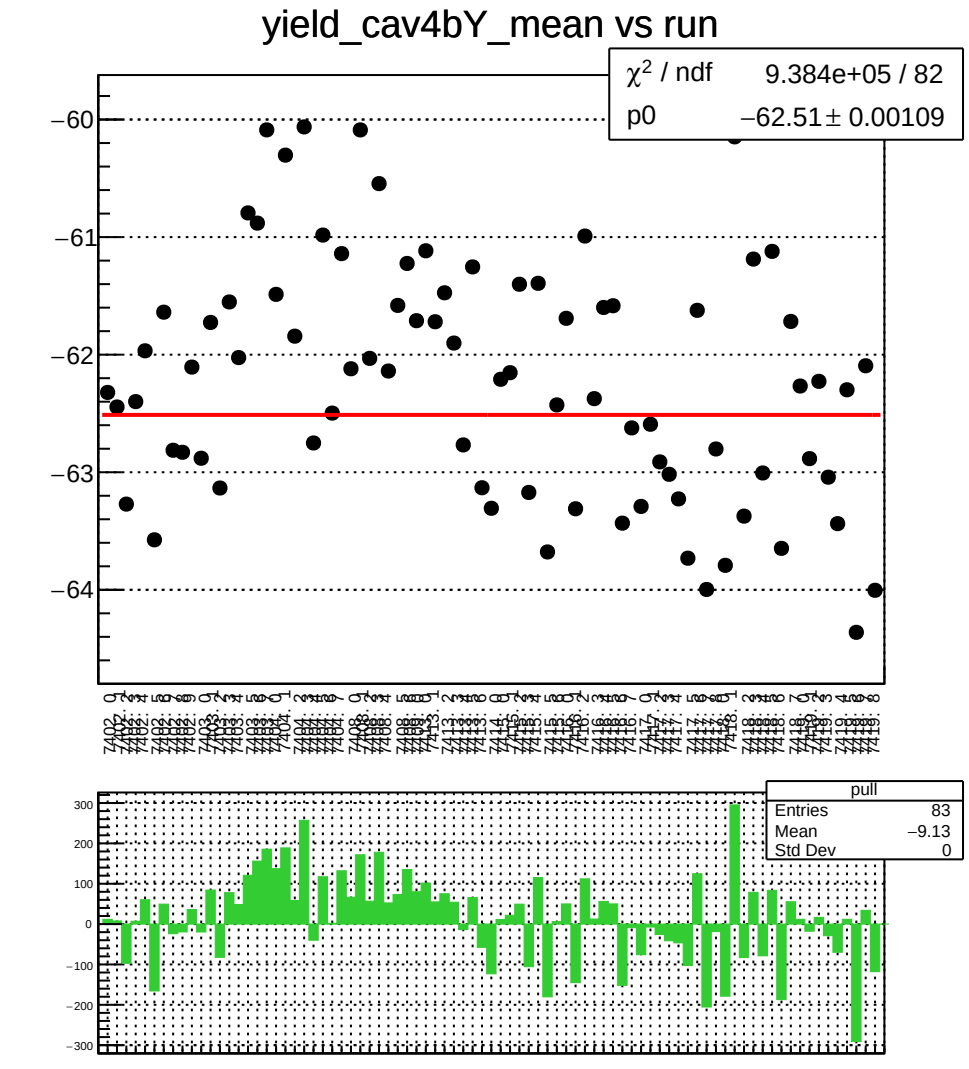

pull1D
Entries 83
Mean −0.002484
Std Dev 1.006

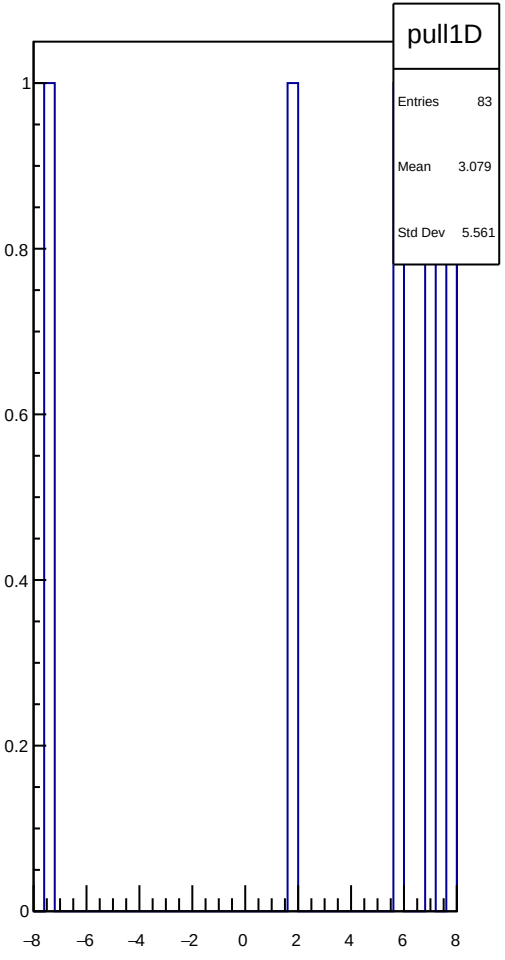

diff_bpmtargetdiffY_rms vs run
χ² / ndf 8920 / 82
p0 1101 ± 0.8789
1300
1250
1200
1150
1100
1050
1000
950
900

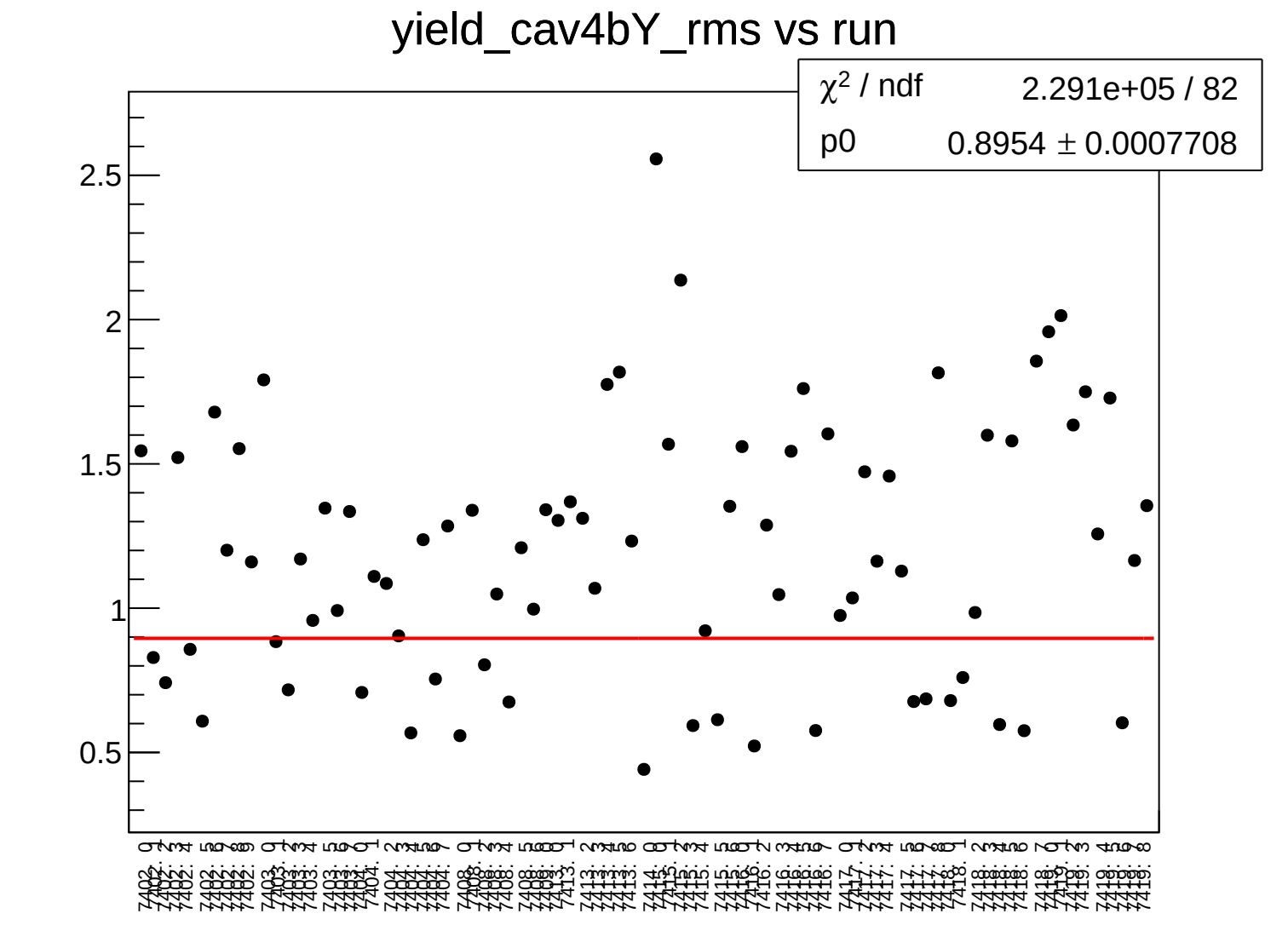

yield_cav4bX_mean vs run
χ² / ndf 1.22e+06 / 82
p0 −26.79 ± 0.001914
−22
−24
−26
−28
−30
pull
Entries 83
Mean 61.33
Std Dev 16.41
500
400
300
200
100
0
−100
−200

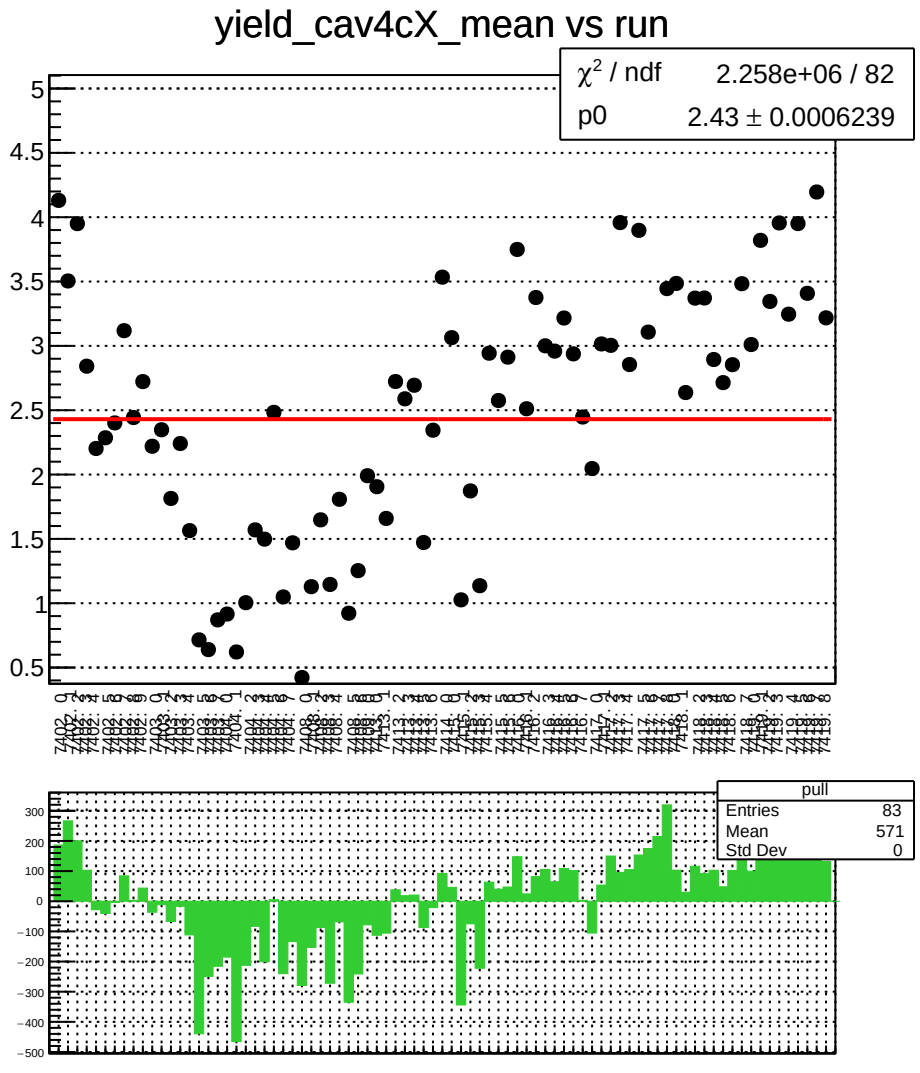

pull1D
Entries 83
Mean 0.2761
Std Dev 3.257
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

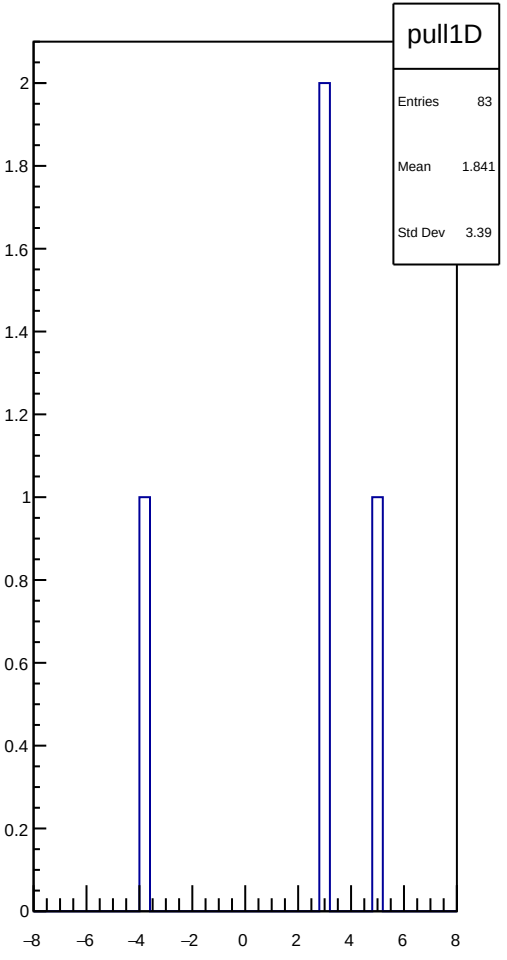

yield_cav4bX_rms vs run
χ^2 / ndf 4.058e+05 / 82
p0 1.465 ± 0.001353
4.5
4
3.5
3
2.5
2
1.5
1
0.5

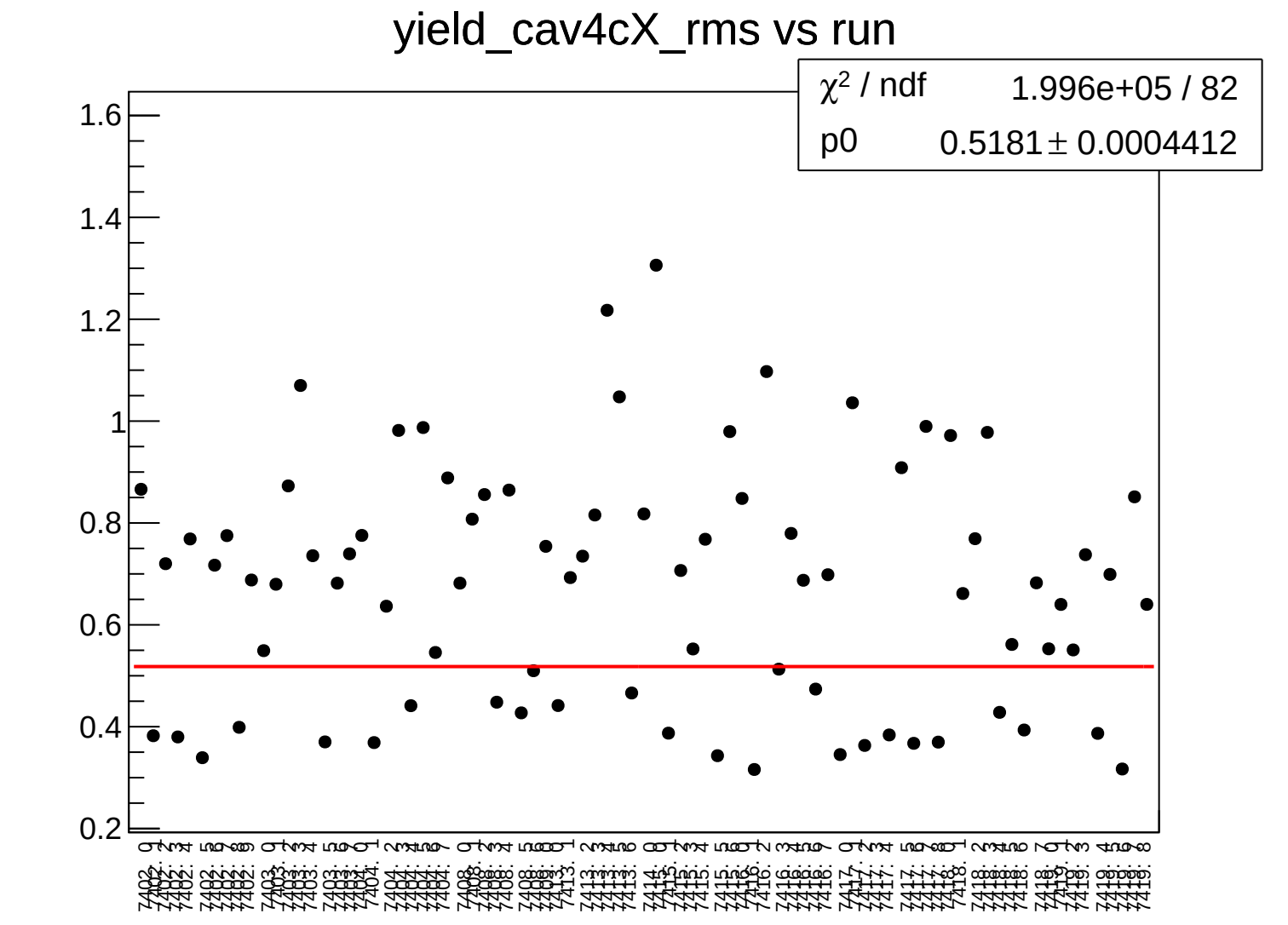

yield_cav4bY_mean vs run
χ² / ndf 9.384e+05 / 82
p0 −62.51 ± 0.00109
−60
−61
−62
−63
−64
pull
Entries 83
Mean −9.13
Std Dev 0
300
200
100
0
−100
−200
−300

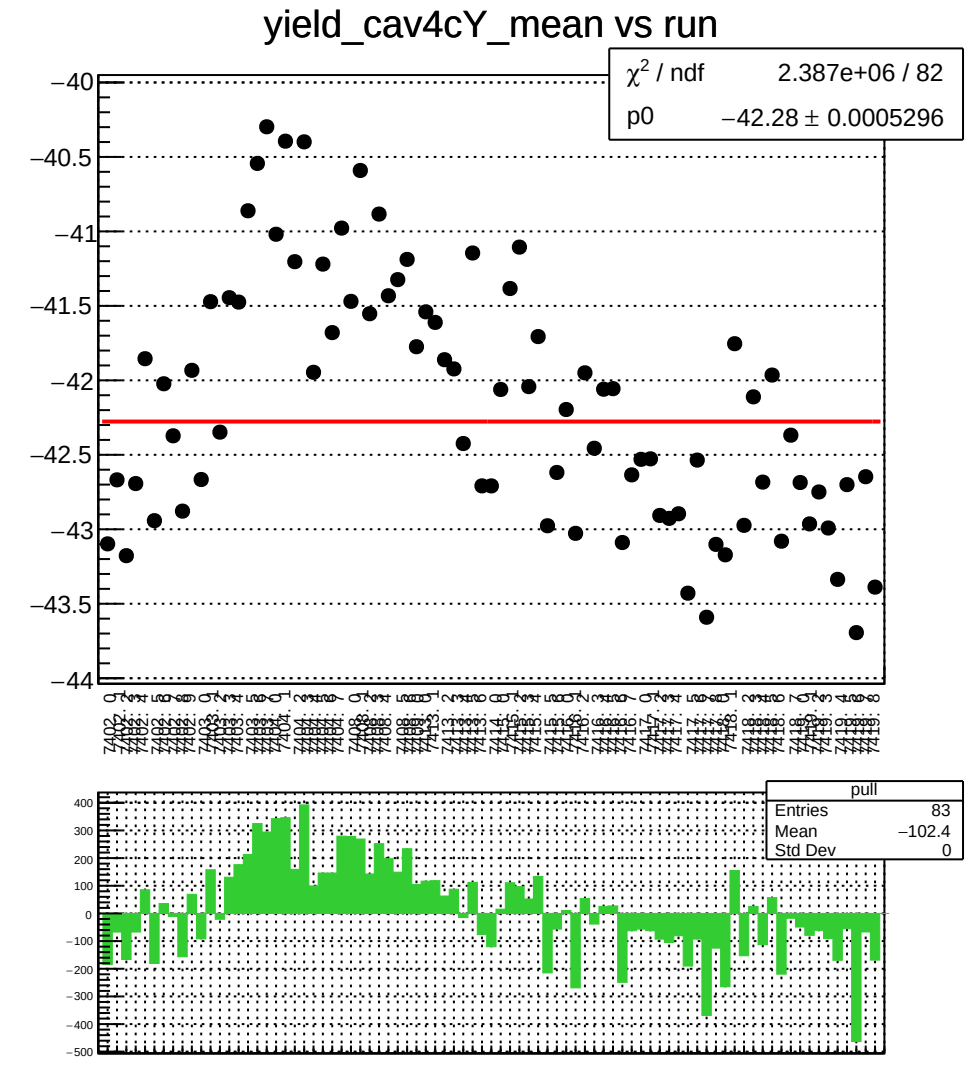

pull1D
Entries 83
Mean 3.079
Std Dev 5.561
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

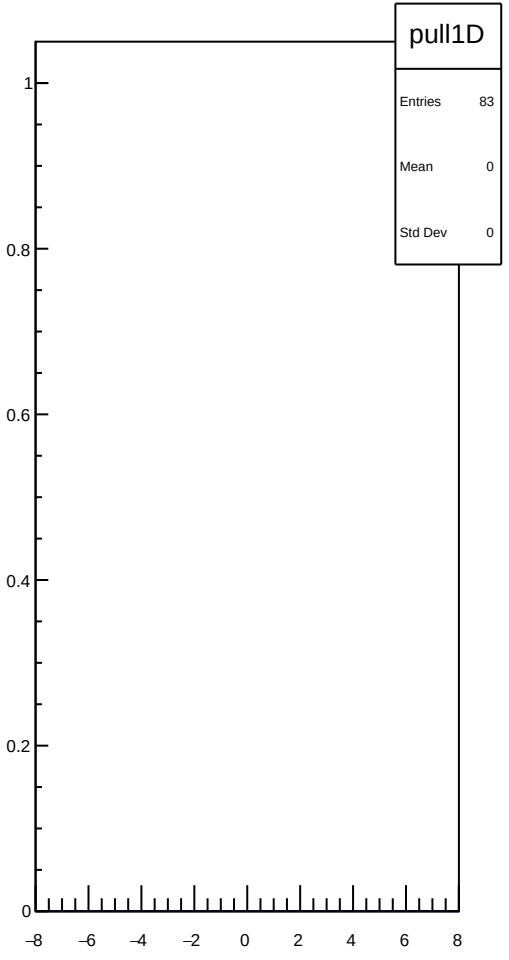

yield_cav4bY_rms vs run
χ² / ndf 2.291e+05 / 82
p0 0.8954 ± 0.0007708
2.5
2
1.5
1
0.5

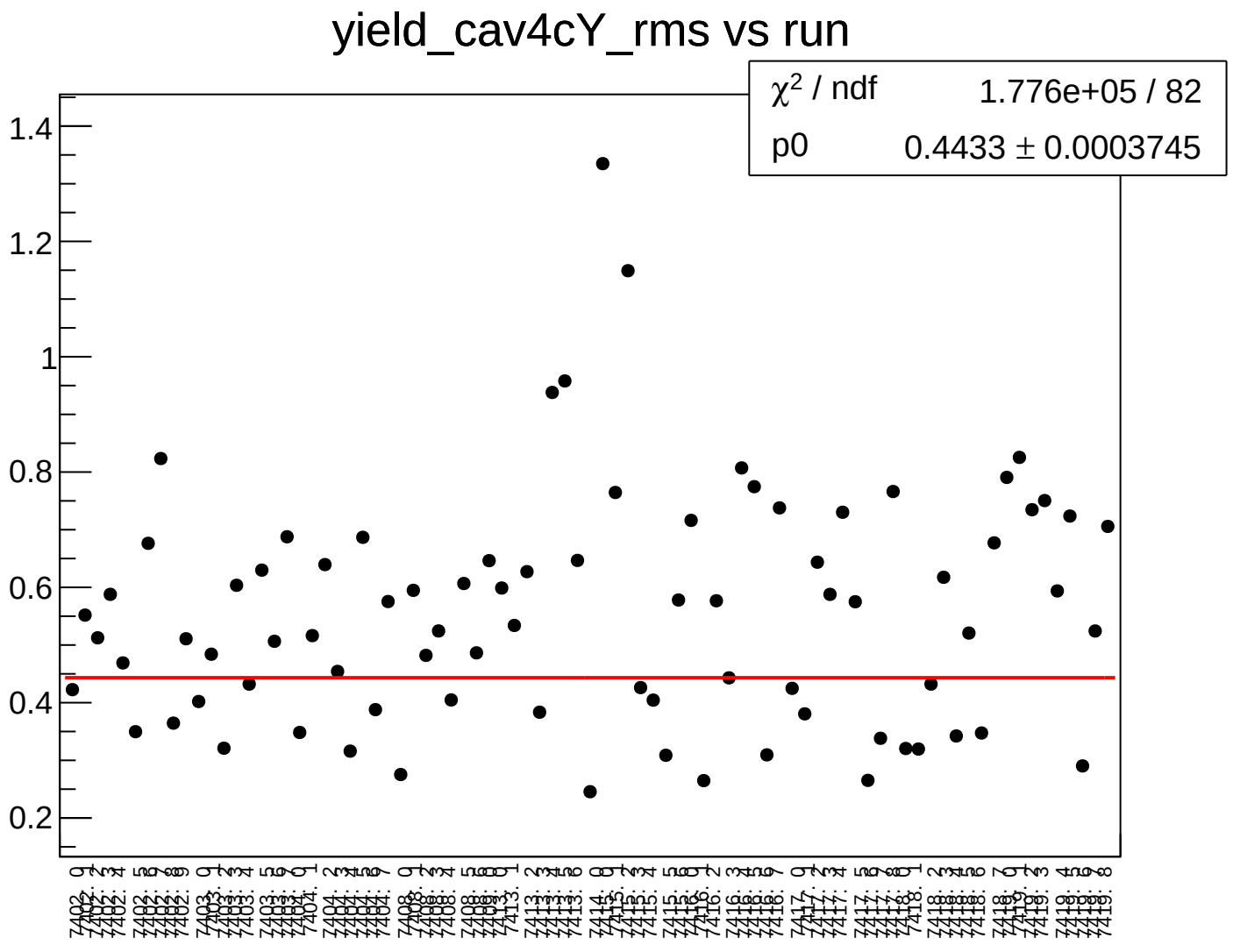

yield_cav4cX_mean vs run
χ² / ndf 2.258e+06 / 82
p0 2.43 ± 0.0006239
pull
Entries 83
Mean 571
Std Dev 0

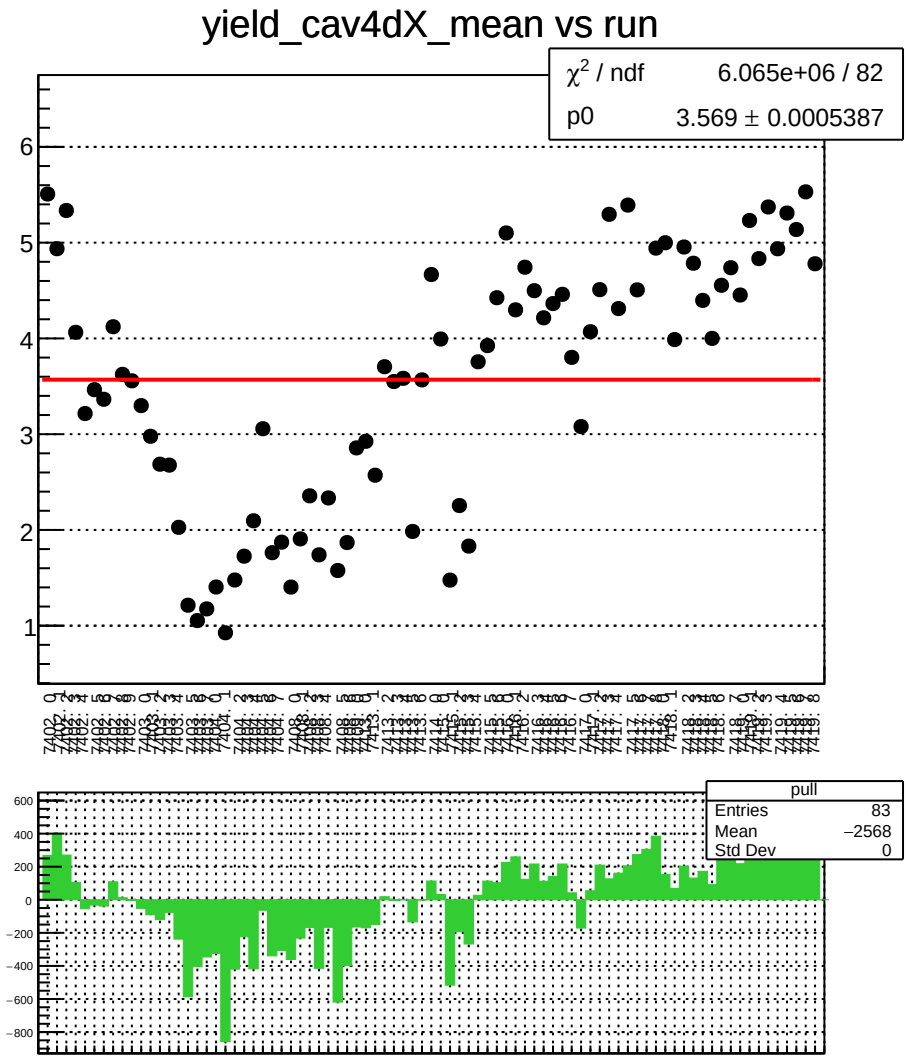

pull1D
Entries 83
Mean 1.841
Std Dev 3.39

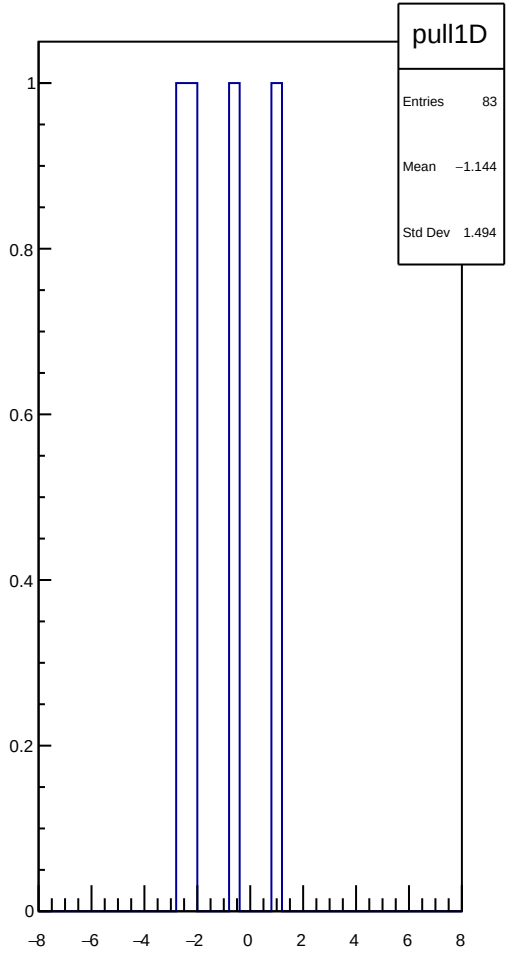

yield_cav4cX_rms vs run
χ² / ndf 1.996e+05 / 82
p0 0.5181 ± 0.0004412
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

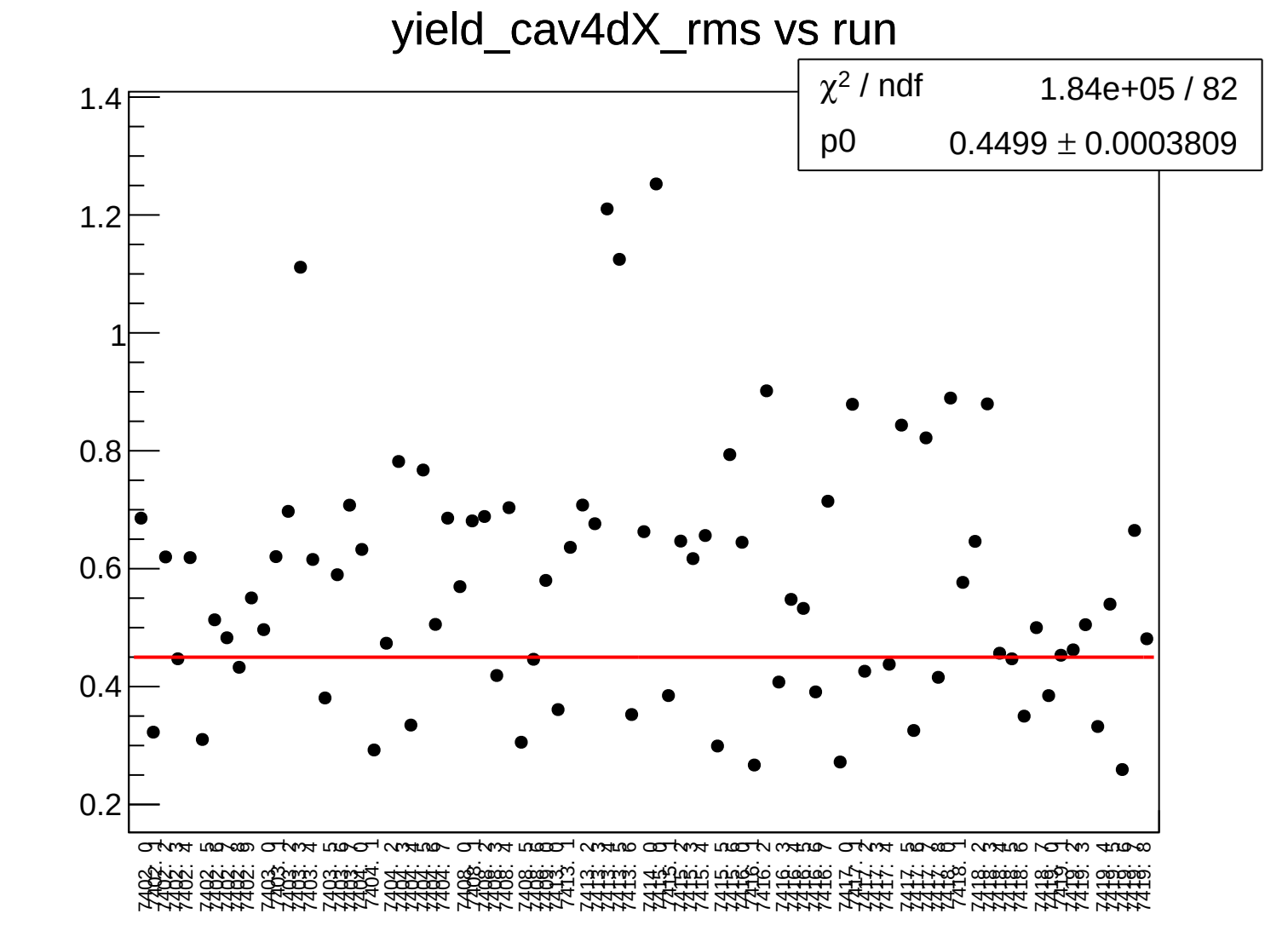

yield_cav4cY_mean vs run
χ² / ndf 2.387e+06 / 82
p0 −42.28 ± 0.0005296
pull
Entries 83
Mean −102.4
Std Dev 0

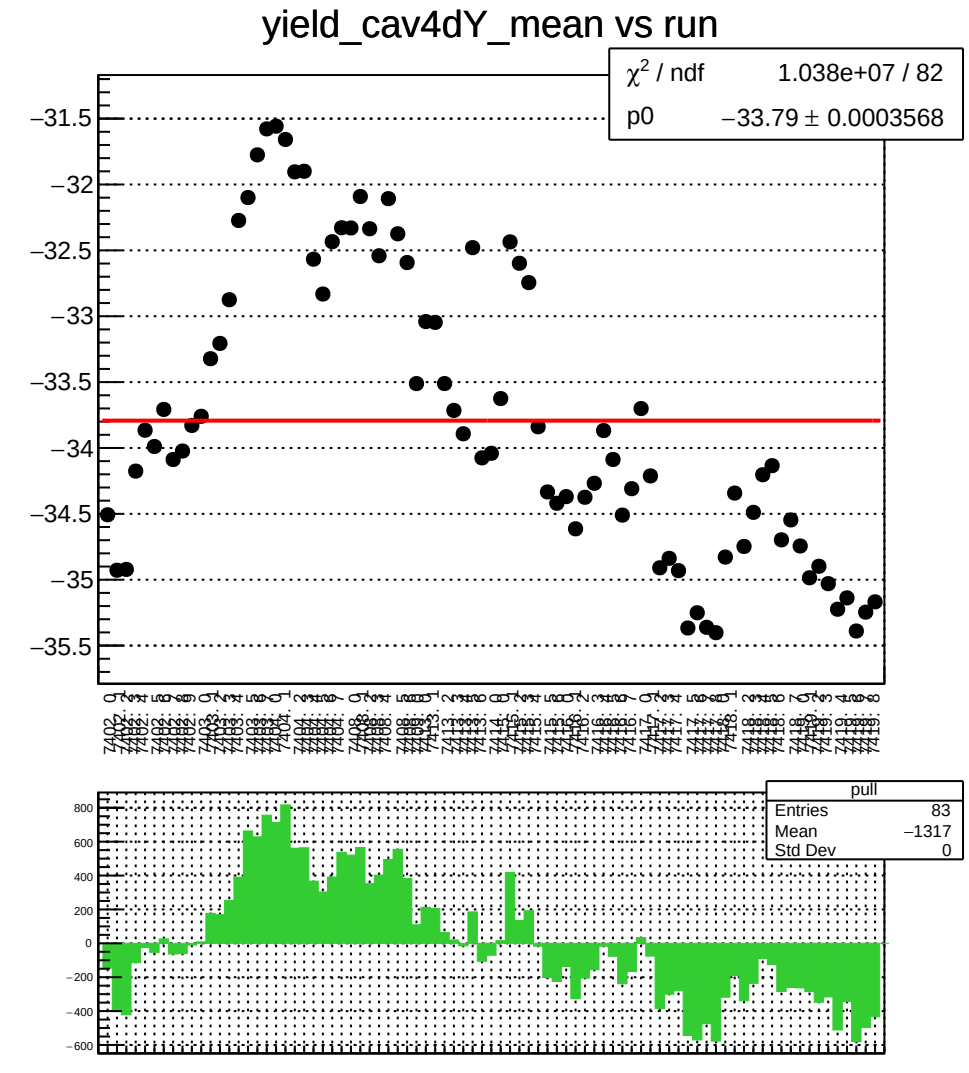

pull1D
Entries 83
Mean 0
Std Dev 0

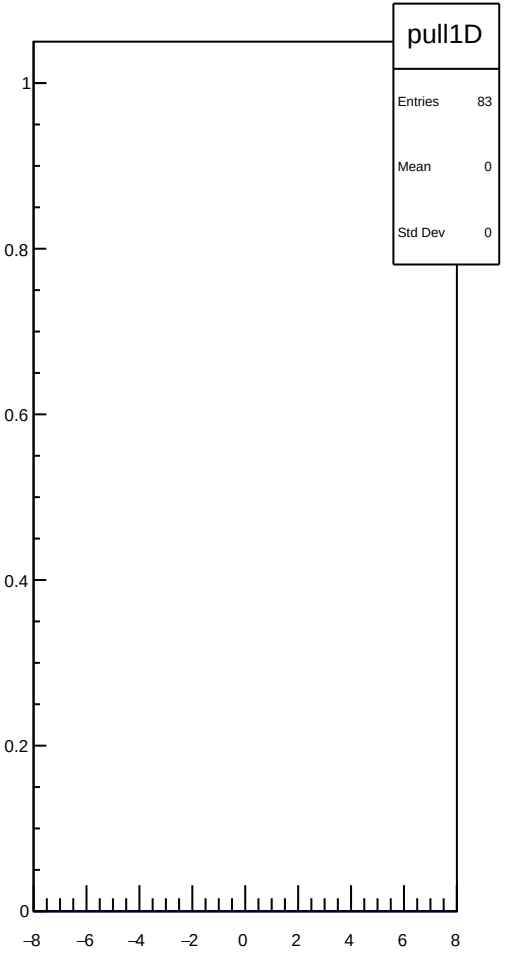

yield_cav4cY_rms vs run
χ² / ndf 1.776e+05 / 82
p0 0.4433 ± 0.0003745
1.4
1.2
1
0.8
0.6
0.4
0.2

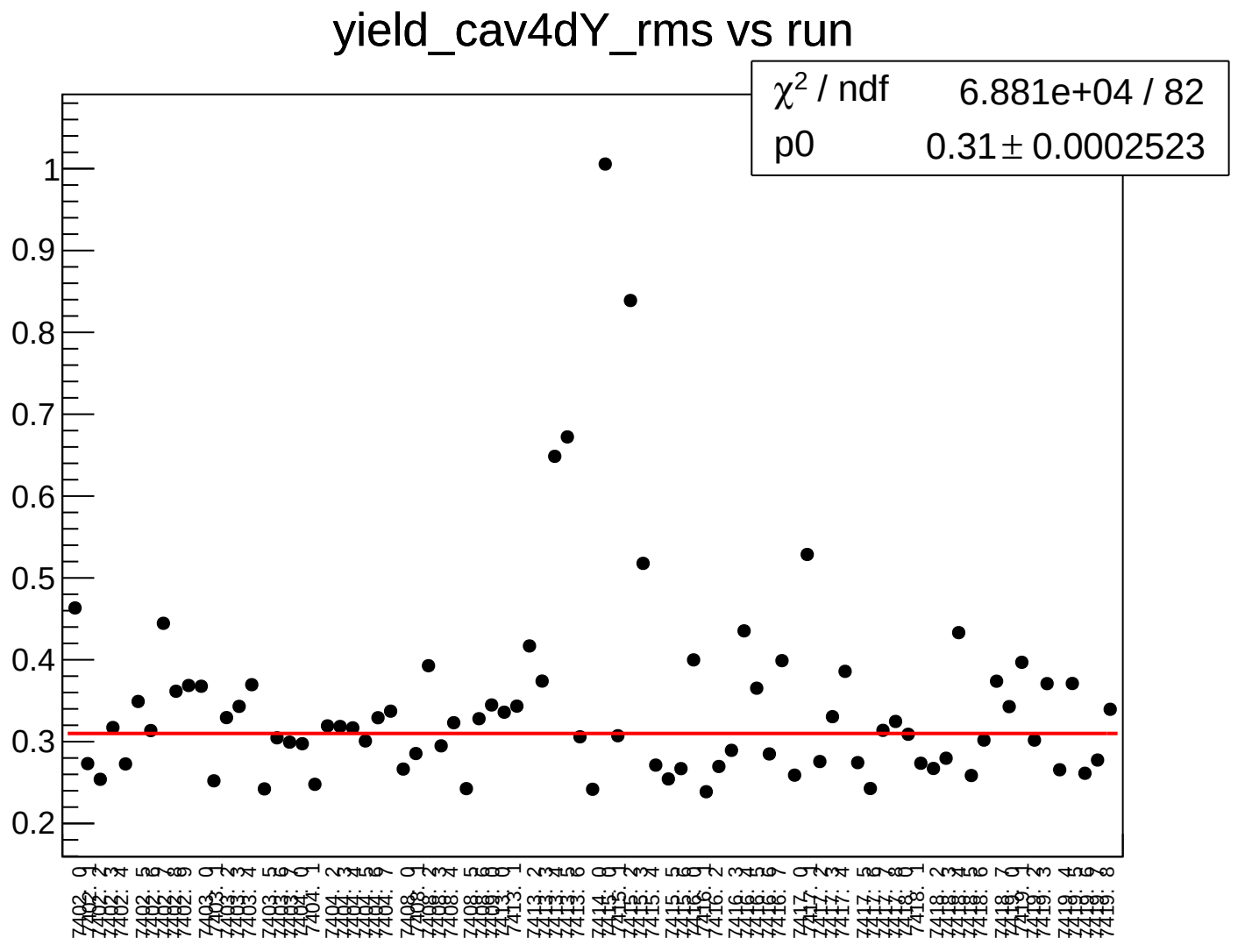

yield_cav4dX_mean vs run
χ² / ndf 6.065e+06 / 82
p0 3.569 ± 0.0005387
pull
Entries 83
Mean −2568
Std Dev 0

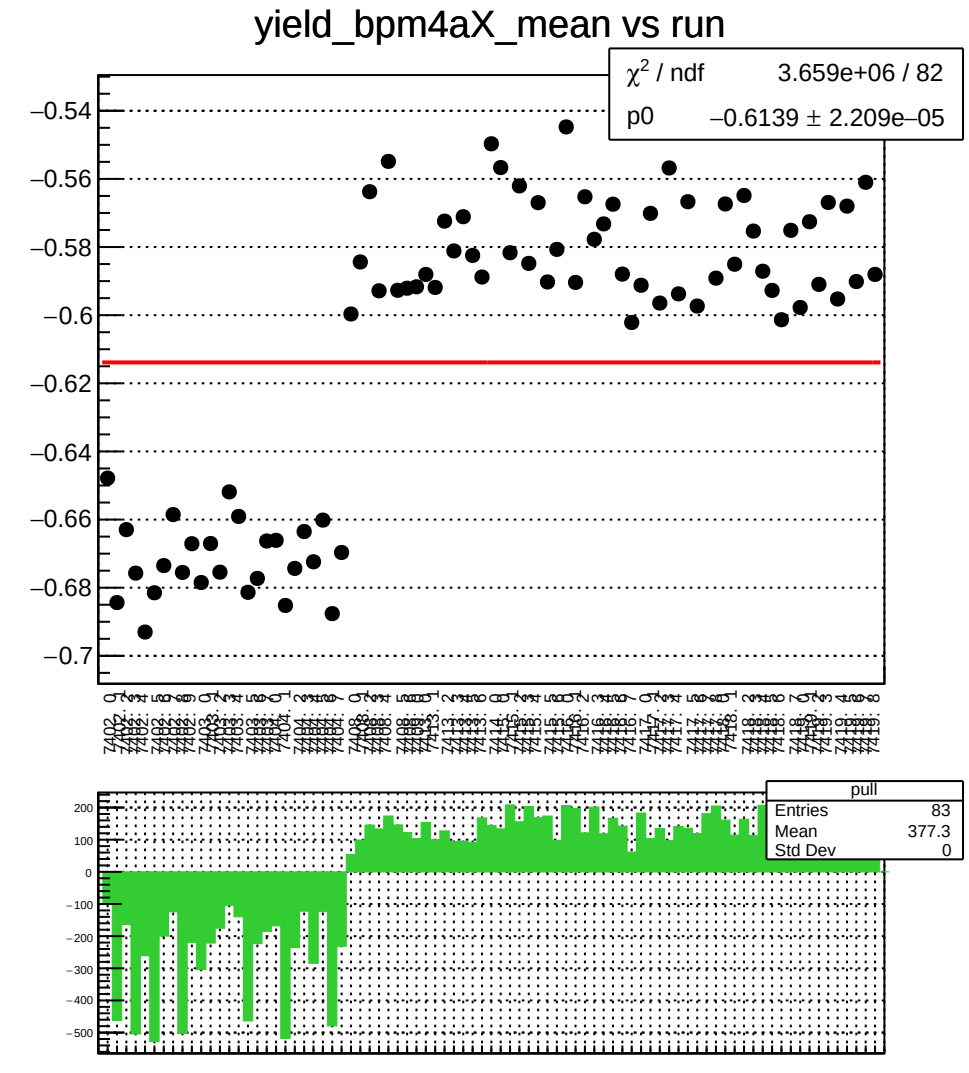

pull1D
Entries 83
Mean −1.144
Std Dev 1.494

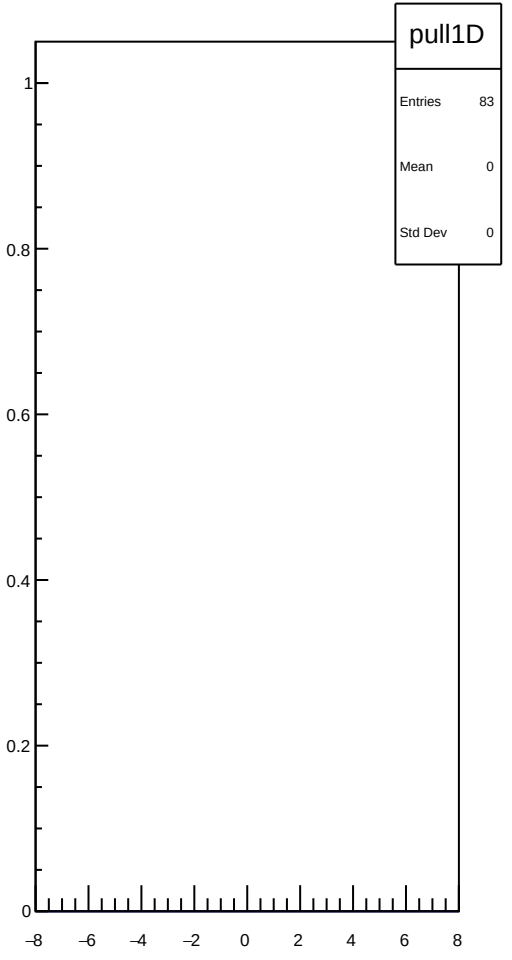

yield_cav4dX_rms vs run
χ² / ndf 1.84e+05 / 82
p0 0.4499 ± 0.0003809
1.4
1.2
1
0.8
0.6
0.4
0.2

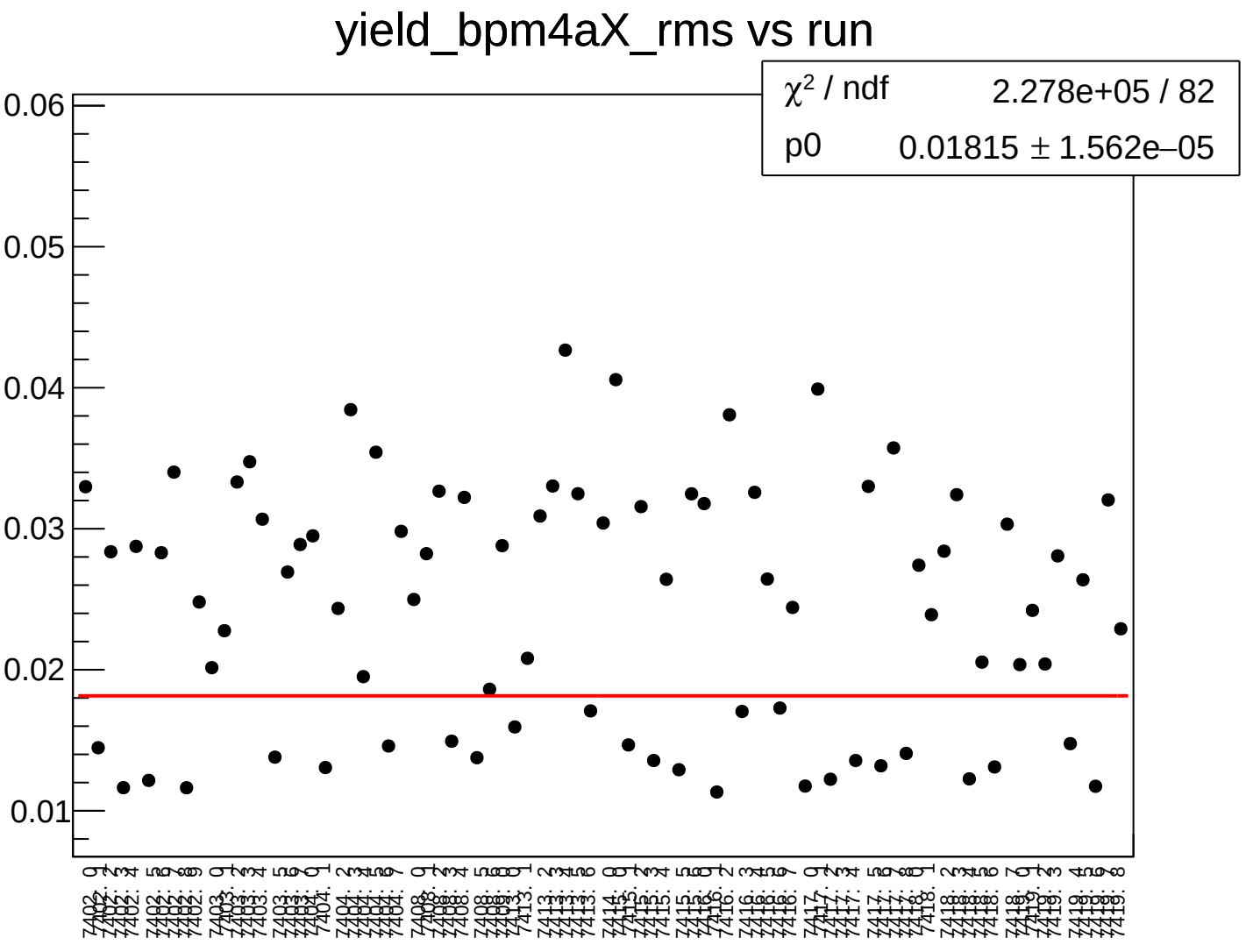

yield_cav4dY_mean vs run
χ² / ndf 1.038e+07 / 82
p0 −33.79 ± 0.0003568
−31.5
−32
−32.5
−33
−33.5
−34
−34.5
−35
−35.5
pull
Entries 83
Mean −1317
Std Dev 0
800
600
400
200
0
−200
−400
−600

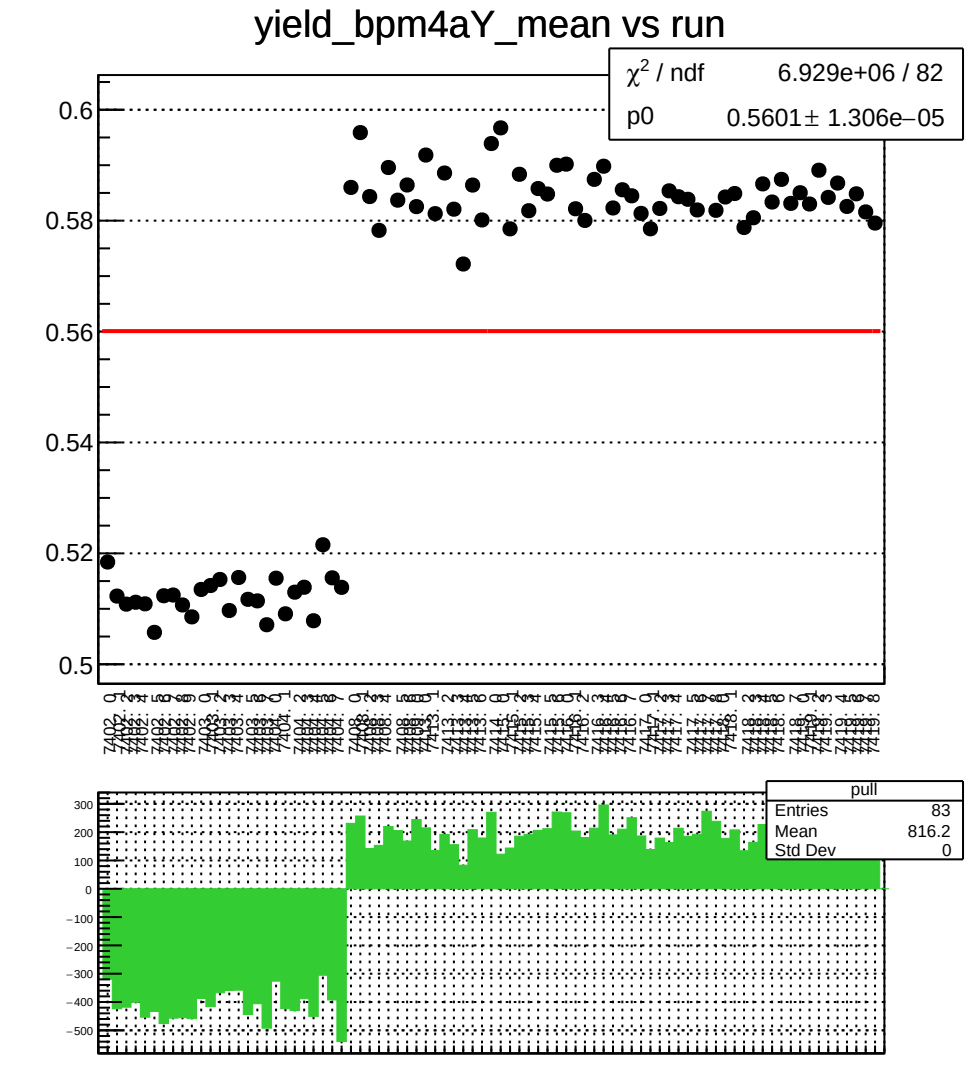

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

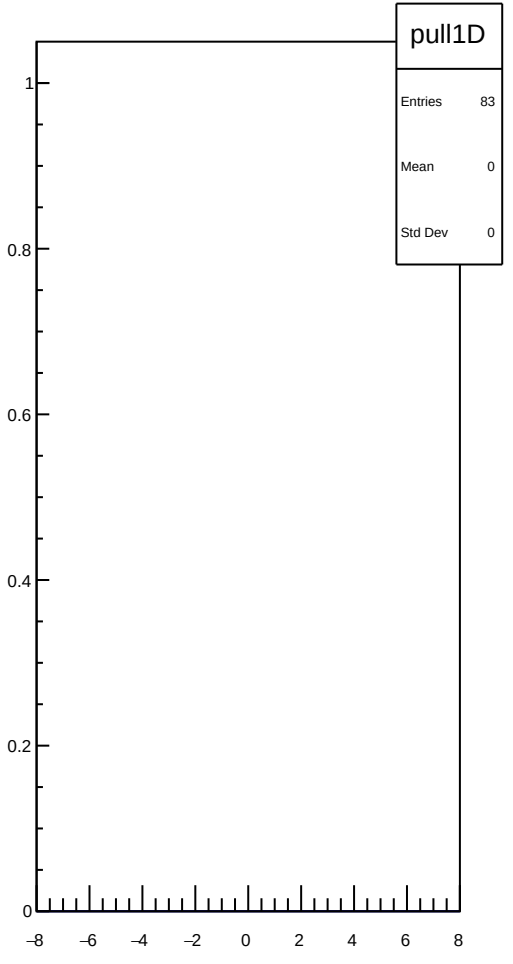

yield_cav4dY_rms vs run
χ^2 / ndf 6.881e+04 / 82
p0 0.31 ± 0.0002523
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

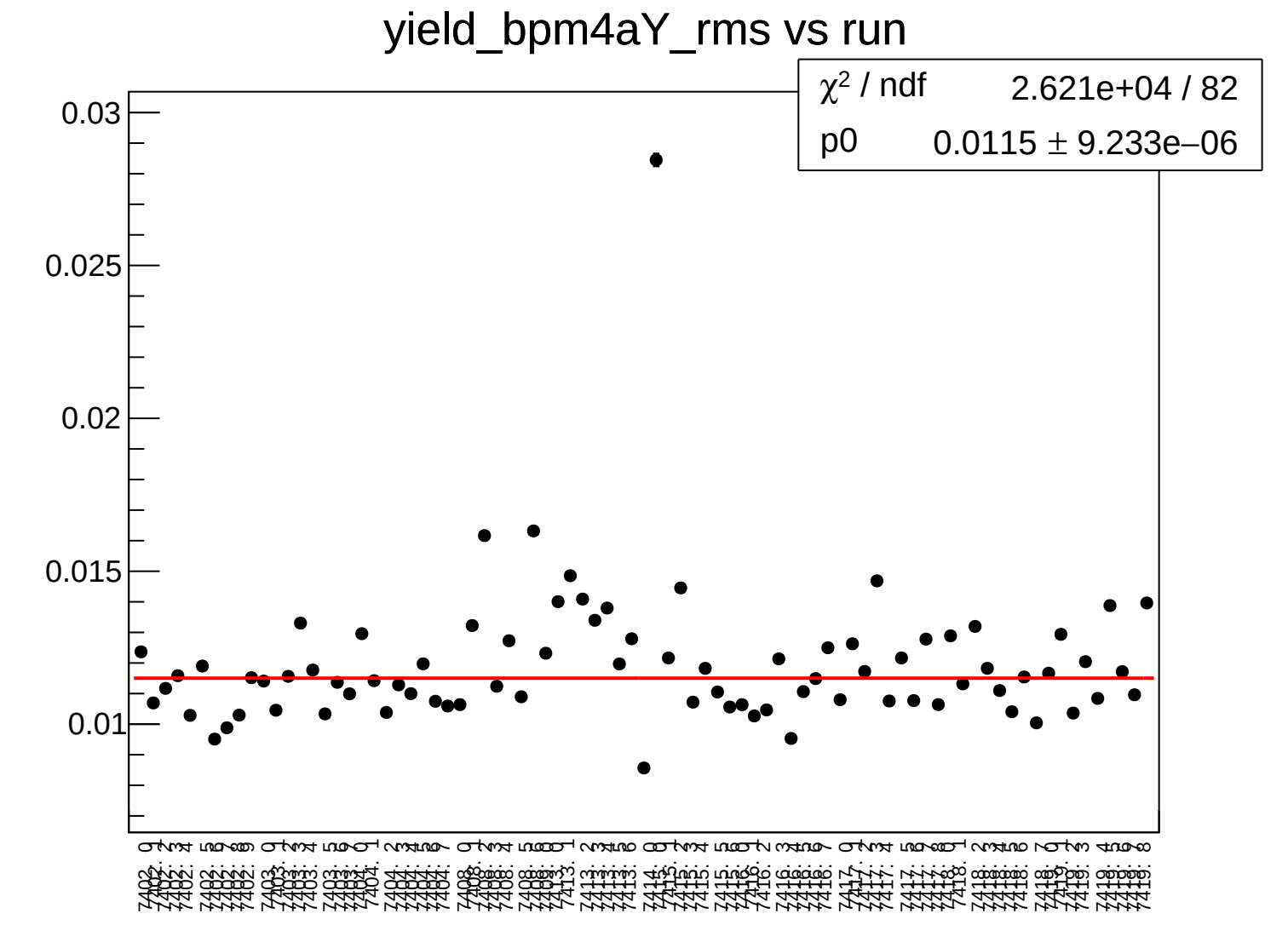

yield_bpm4aX_mean vs run
χ² / ndf 3.659e+06 / 82
p0 −0.6139 ± 2.209e−05
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
−0.66
−0.68
−0.7
pull
Entries 83
Mean 377.3
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

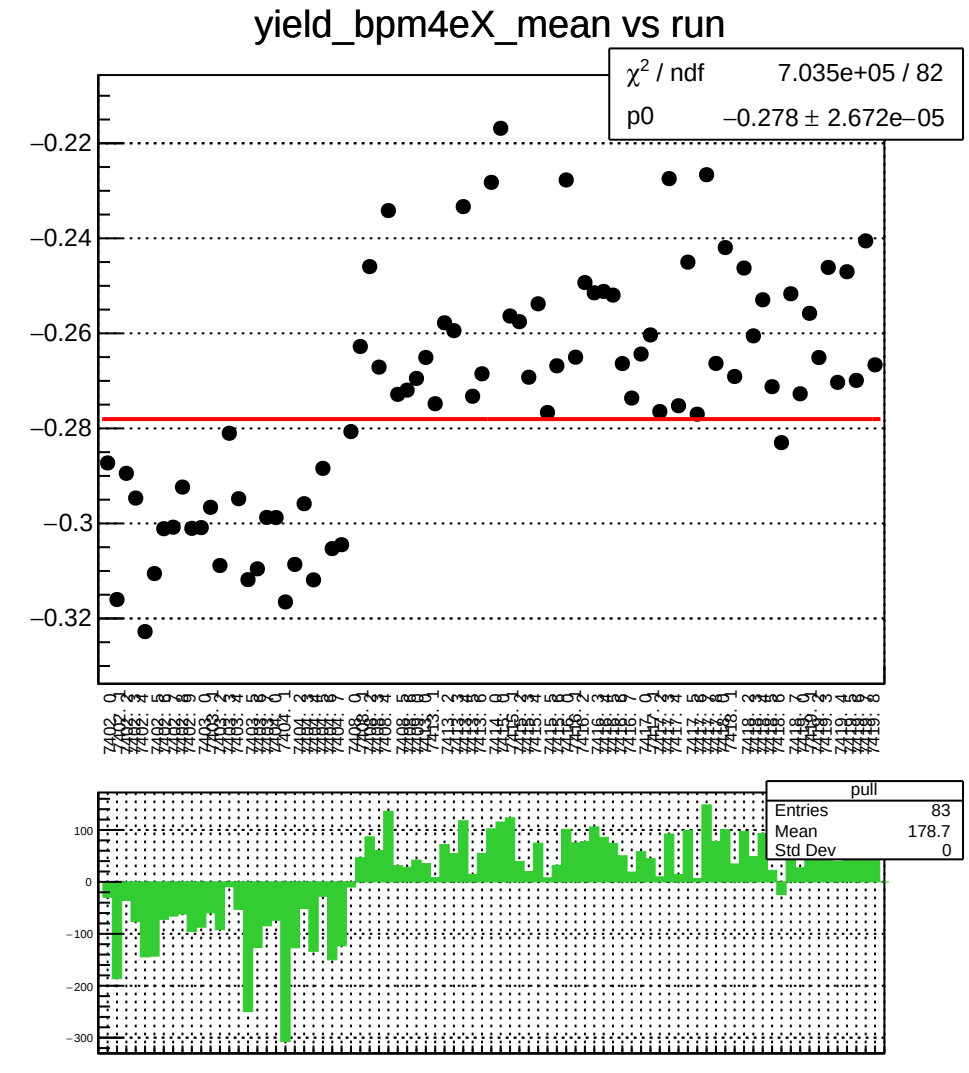

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

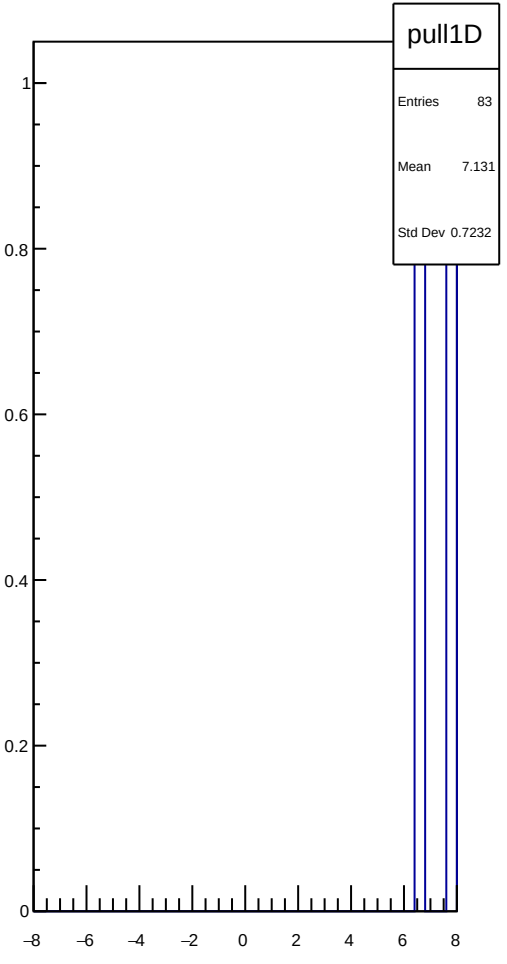

yield_bpm4aX_rms vs run
χ² / ndf 2.278e+05 / 82
p0 0.01815 ± 1.562e−05
0.06
0.05
0.04
0.03
0.02
0.01

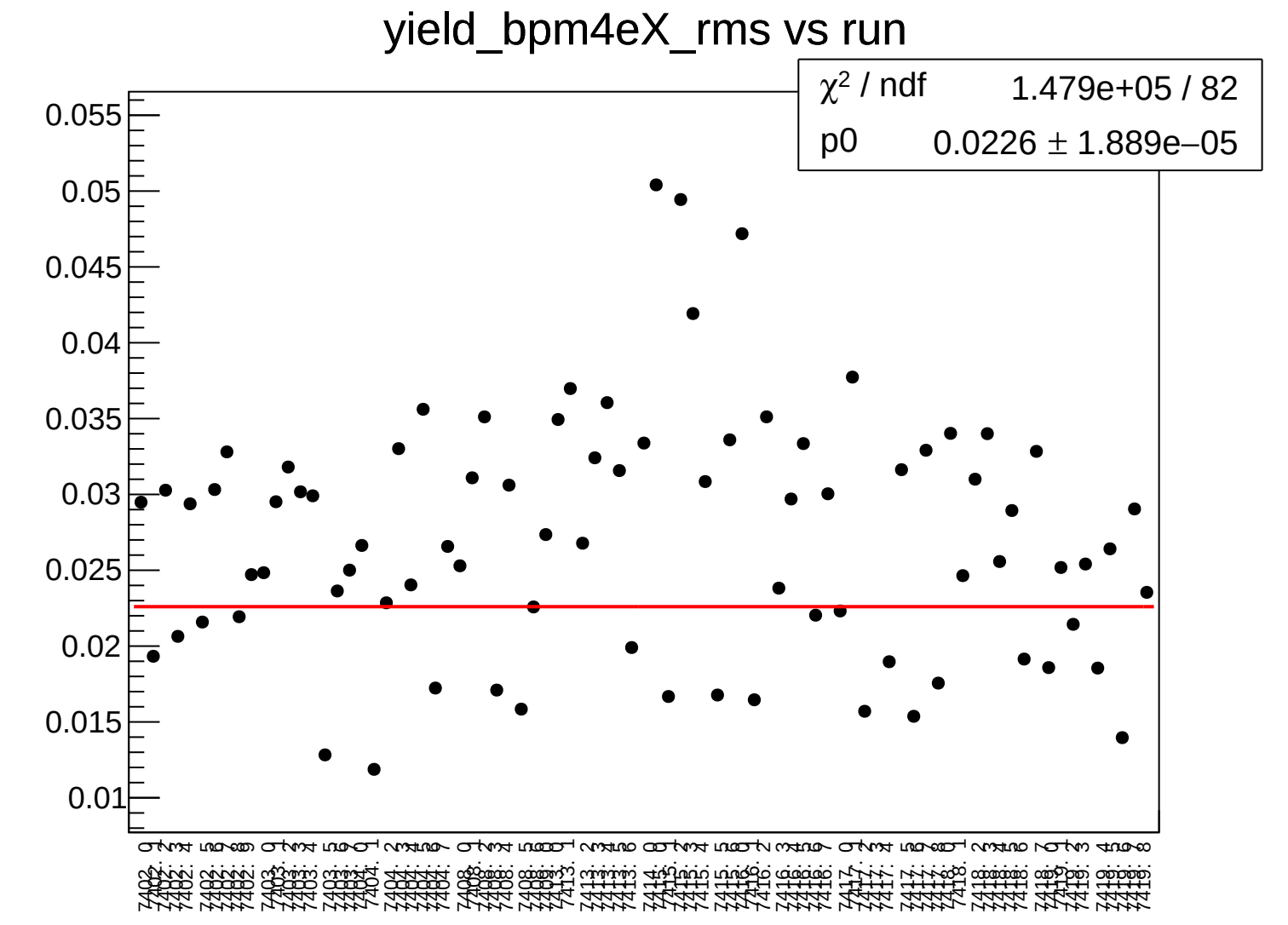

yield_bpm4aY_mean vs run
χ² / ndf 6.929e+06 / 82
p0 0.5601 ± 1.306e−05
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 83
Mean 816.2
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

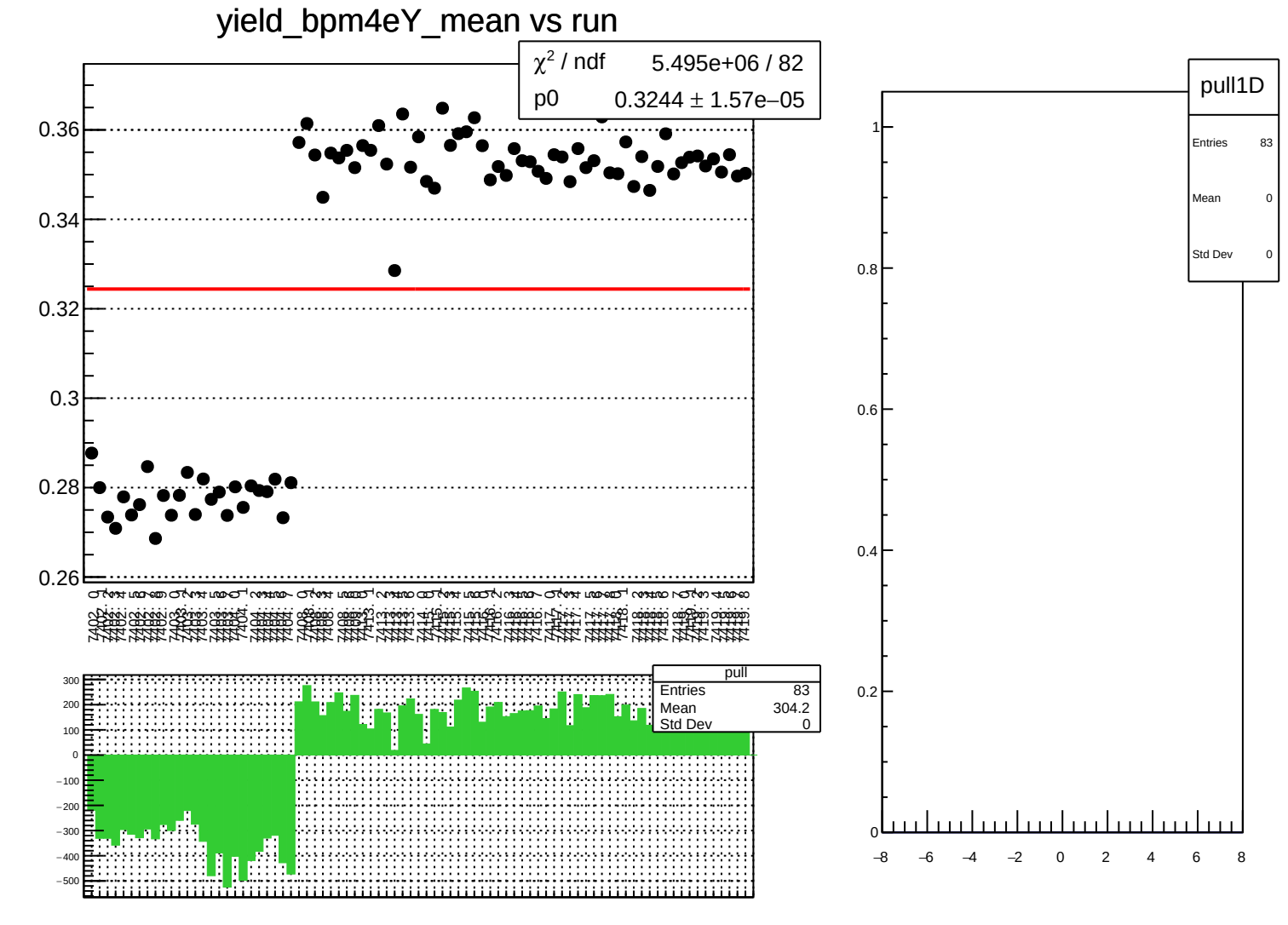

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

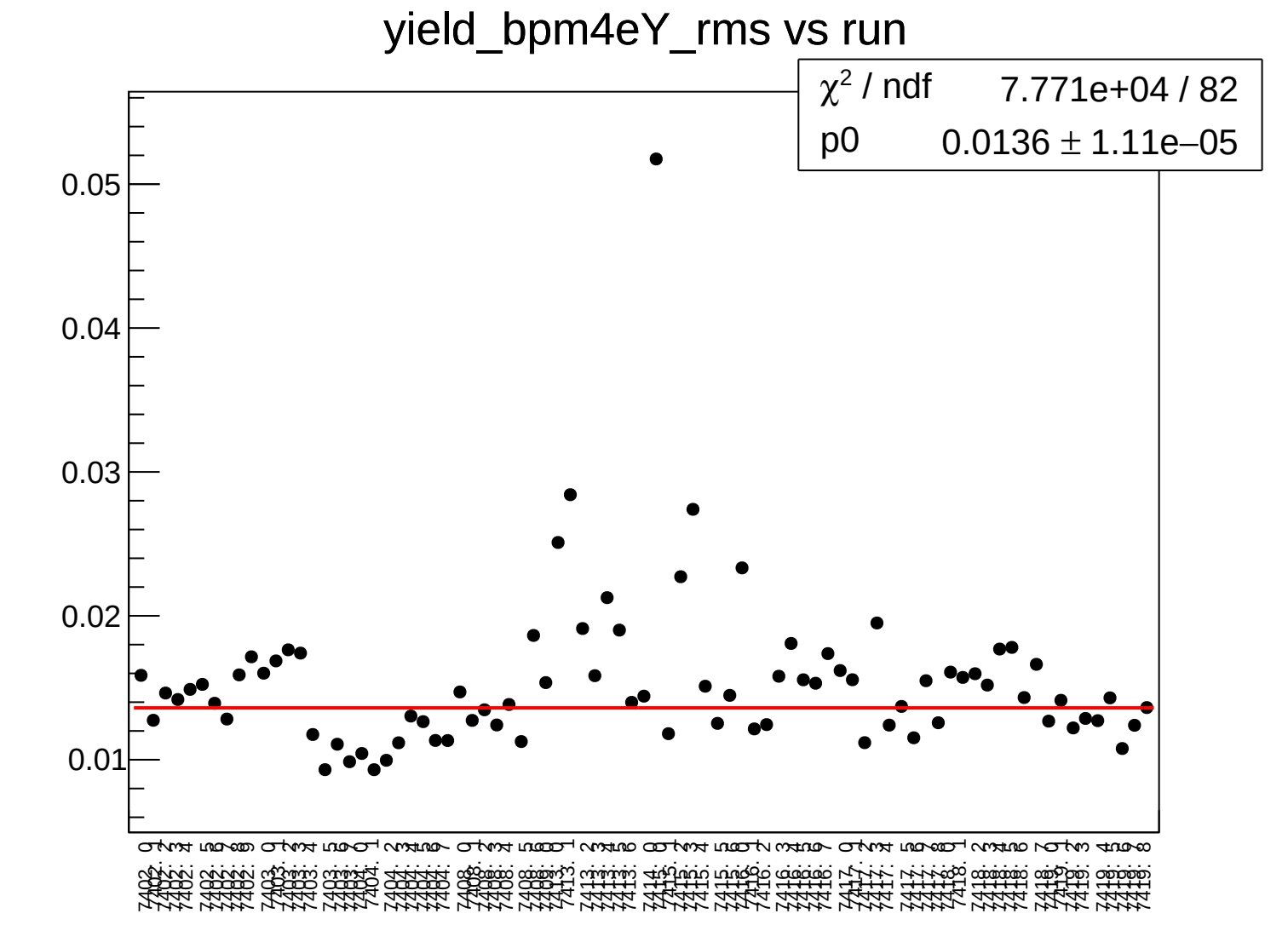

yield_bpm4aY_rms vs run
χ² / ndf 2.621e+04 / 82
p0 0.0115 ± 9.233e−06
0.03
0.025
0.02
0.015
0.01

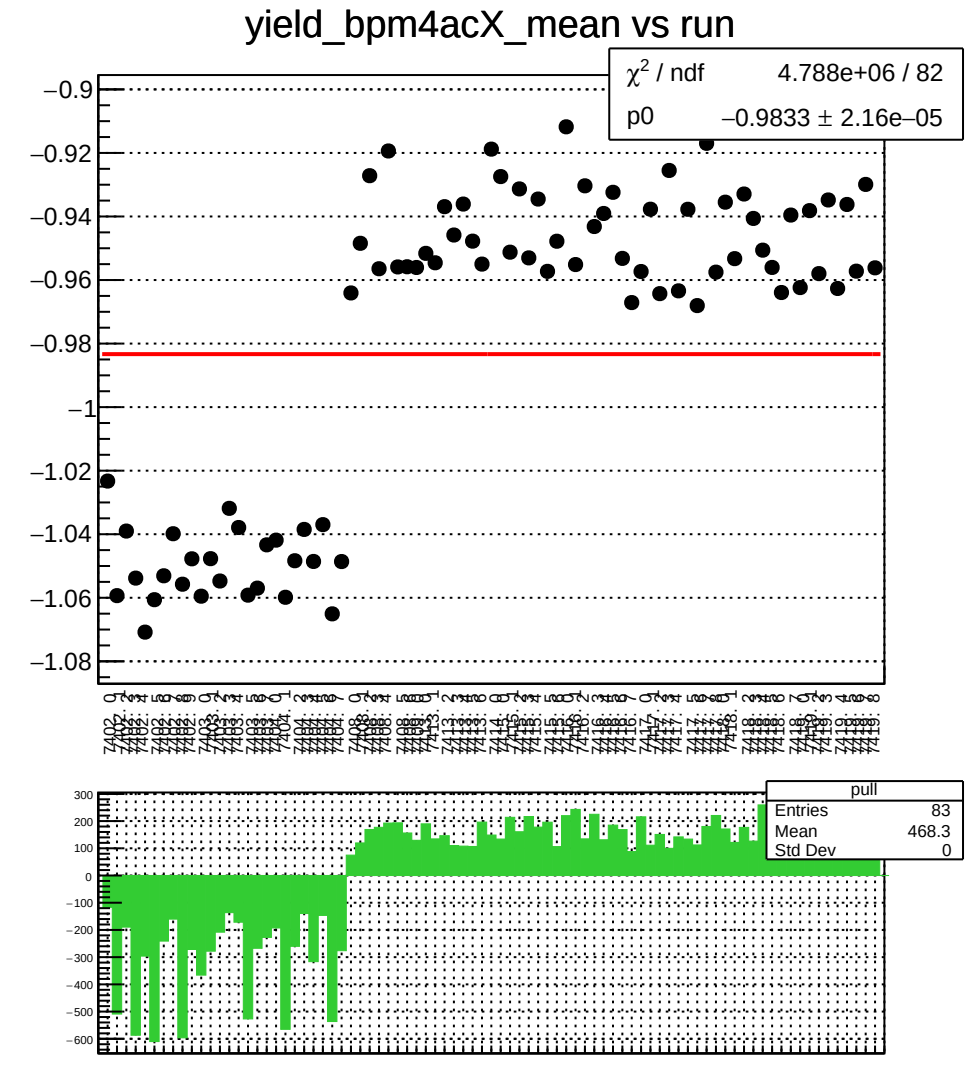

yield_bpm4eX_mean vs run
χ² / ndf 7.035e+05 / 82
p0 −0.278 ± 2.672e−05
−0.22
−0.24
−0.26
−0.28
−0.3
−0.32
pull
Entries 83
Mean 178.7
Std Dev 0
100
0
−100
−200
−300

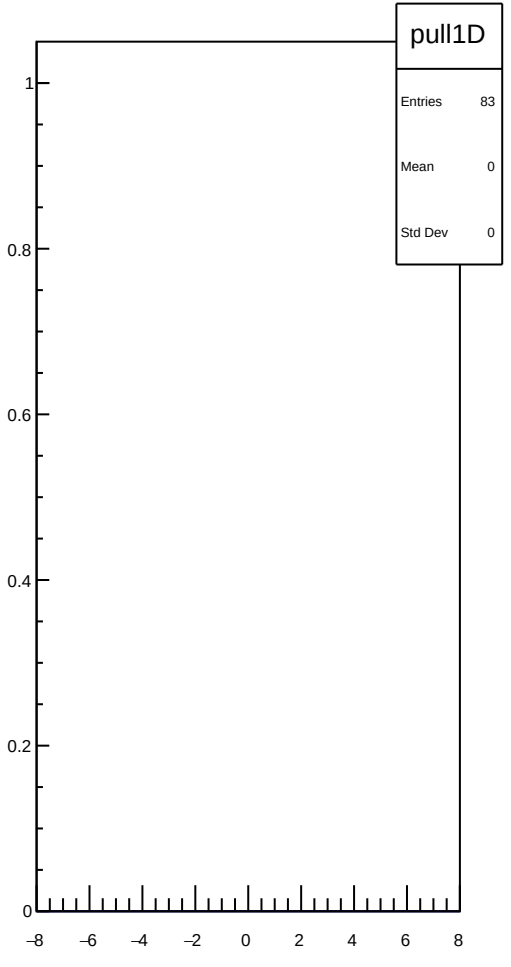

pull1D
Entries 83
Mean 7.131
Std Dev 0.7232
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

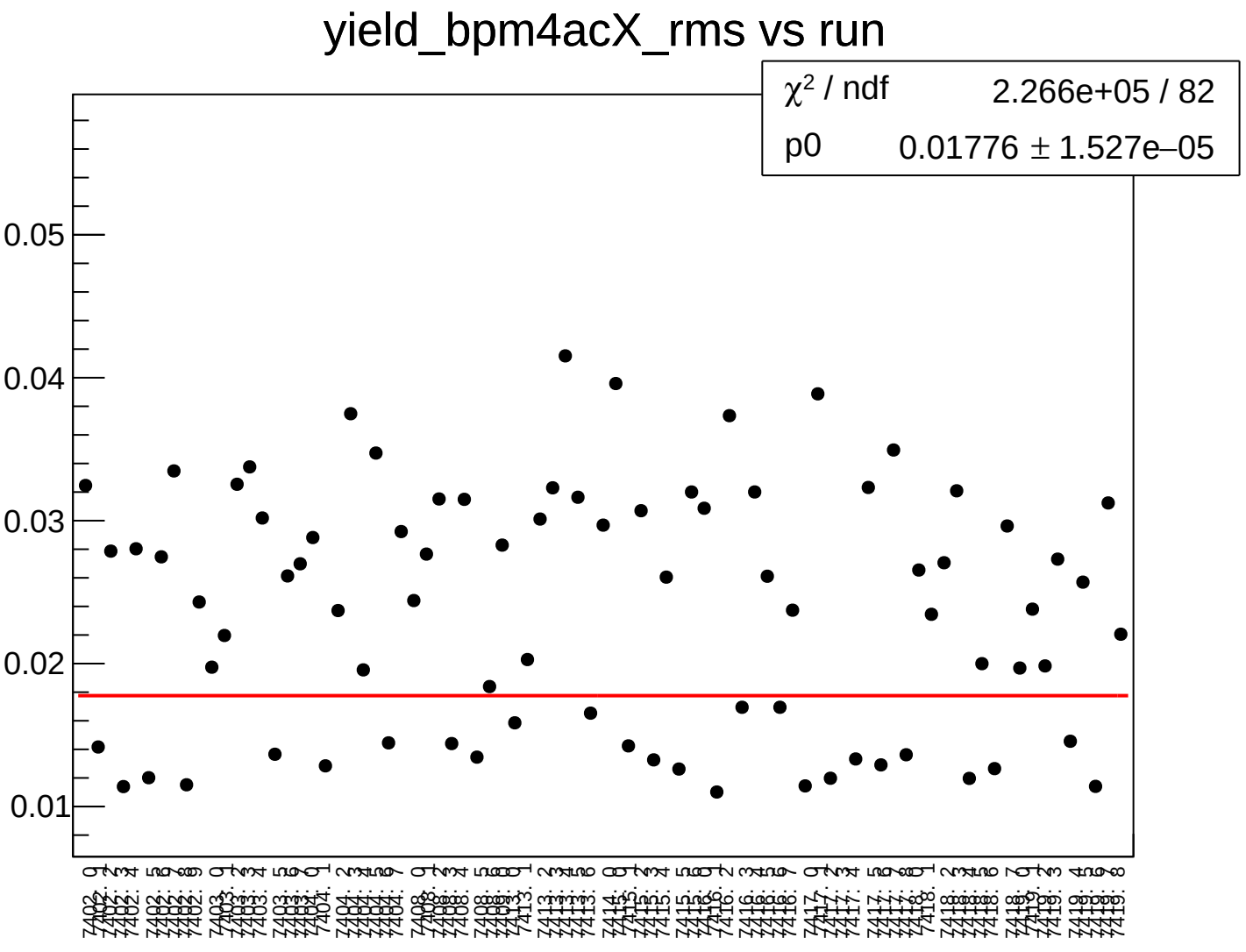

yield_bpm4eX_rms vs run
χ² / ndf 1.479e+05 / 82
p0 0.0226 ± 1.889e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

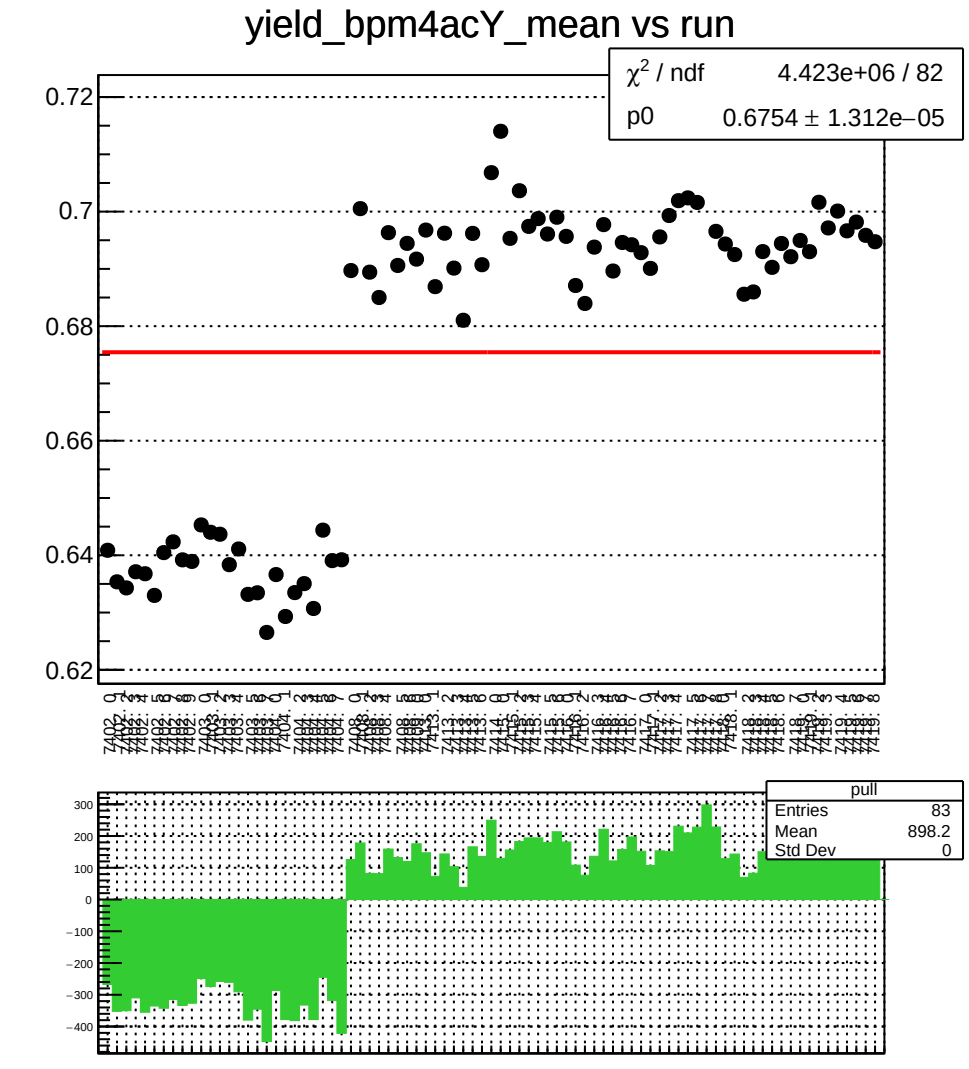

yield_bpm4eY_mean vs run
χ² / ndf 5.495e+06 / 82
p0 0.3244 ± 1.57e−05
0.36
0.34
0.32
0.3
0.28
0.26
pull
Entries 83
Mean 304.2
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

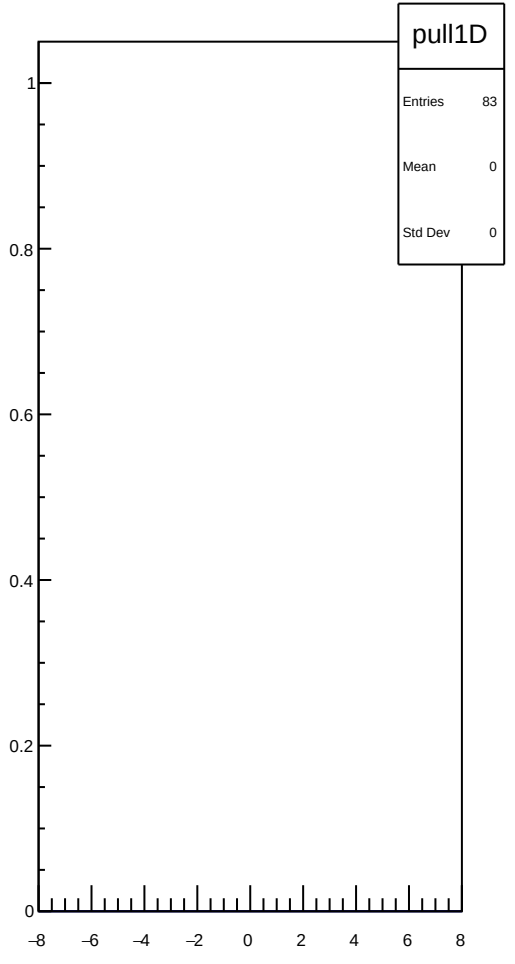

yield_bpm4eY_rms vs run
χ^2 / ndf 7.771e+04 / 82
p0 0.0136 ± 1.11e−05
0.05
0.04
0.03
0.02
0.01

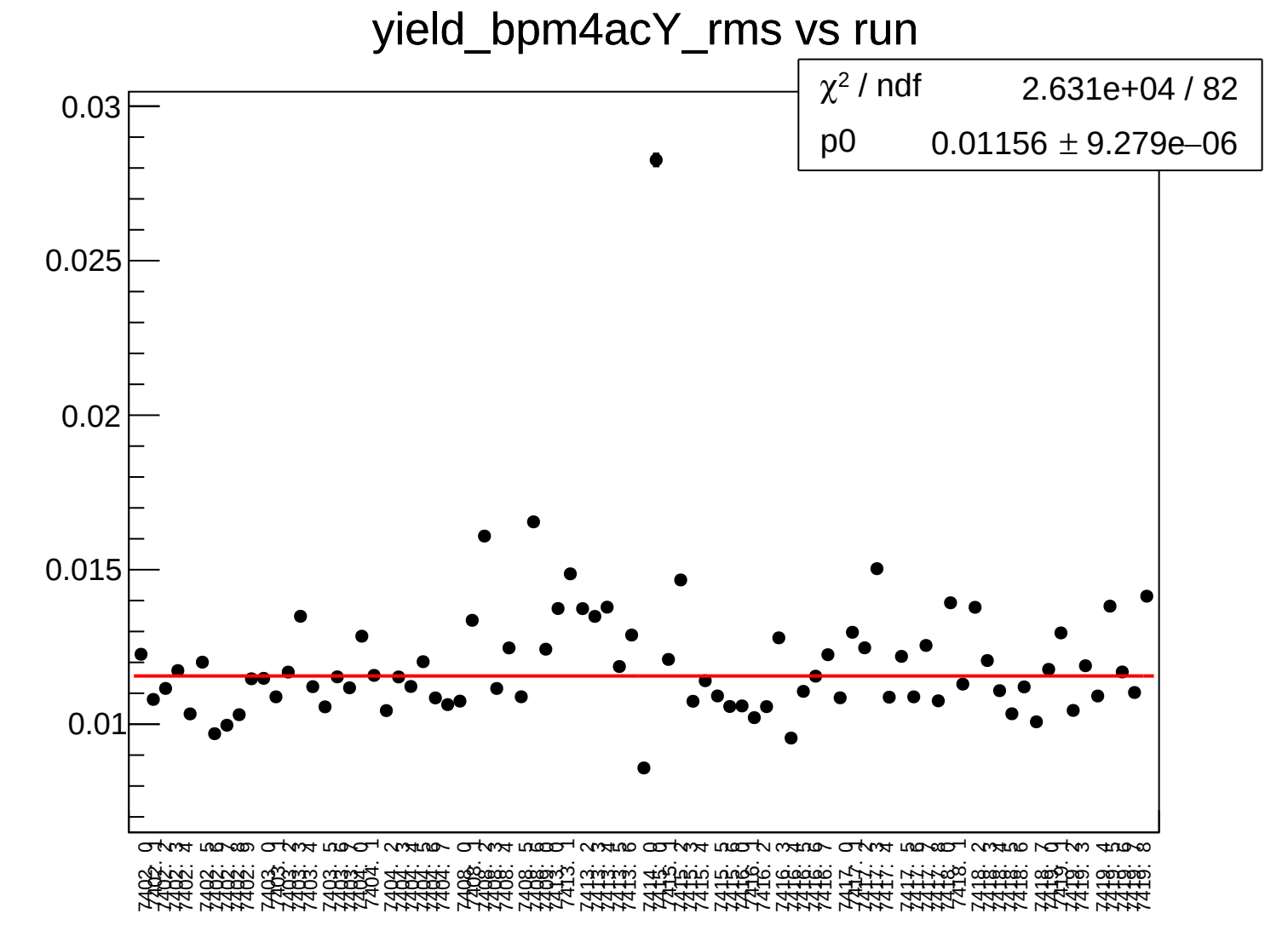

yield_bpm4acX_mean vs run
χ² / ndf 4.788e+06 / 82
p0 −0.9833 ± 2.16e−05
pull
Entries 83
Mean 468.3
Std Dev 0

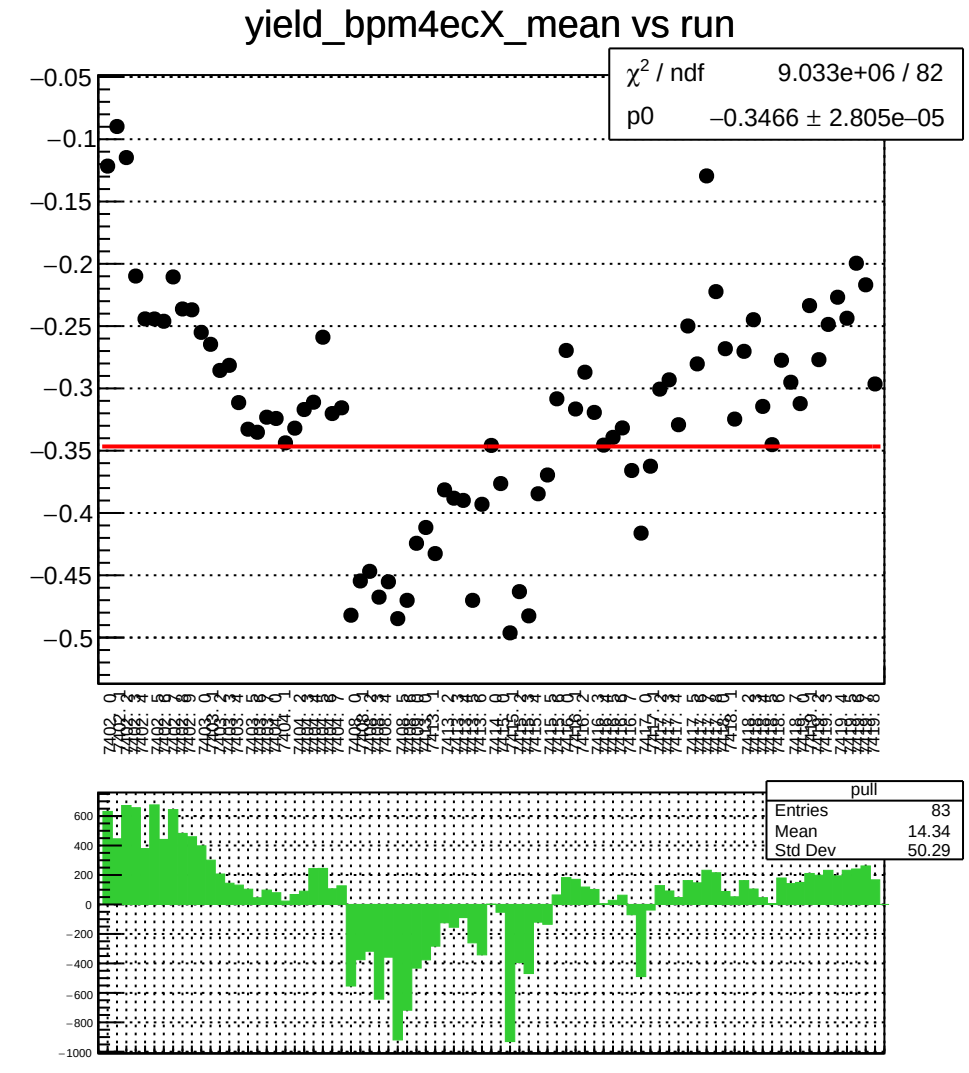

pull1D
Entries 83
Mean 0
Std Dev 0

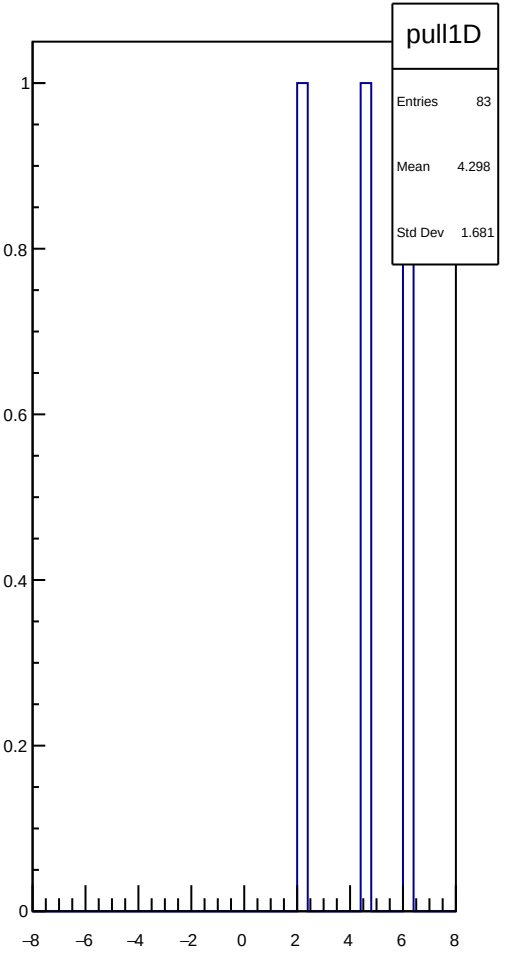

yield_bpm4acX_rms vs run
χ² / ndf 2.266e+05 / 82
p0 0.01776 ± 1.527e–05
0.05
0.04
0.03
0.02
0.01

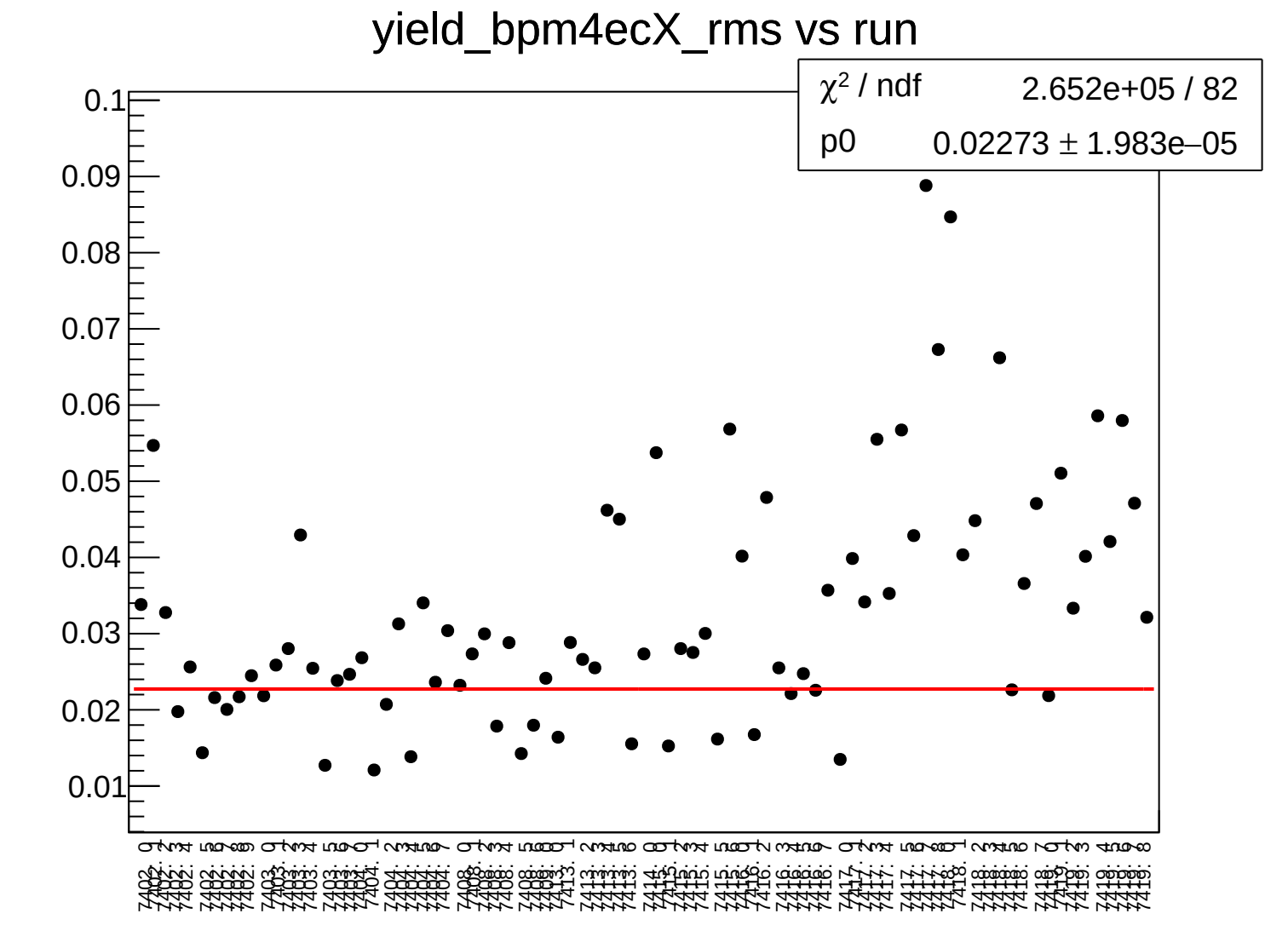

yield_bpm4acY_mean vs run
χ² / ndf 4.423e+06 / 82
p0 0.6754 ± 1.312e−05
0.72
0.7
0.68
0.66
0.64
0.62
pull
Entries 83
Mean 898.2
Std Dev 0
300
200
100
0
−100
−200
−300
−400

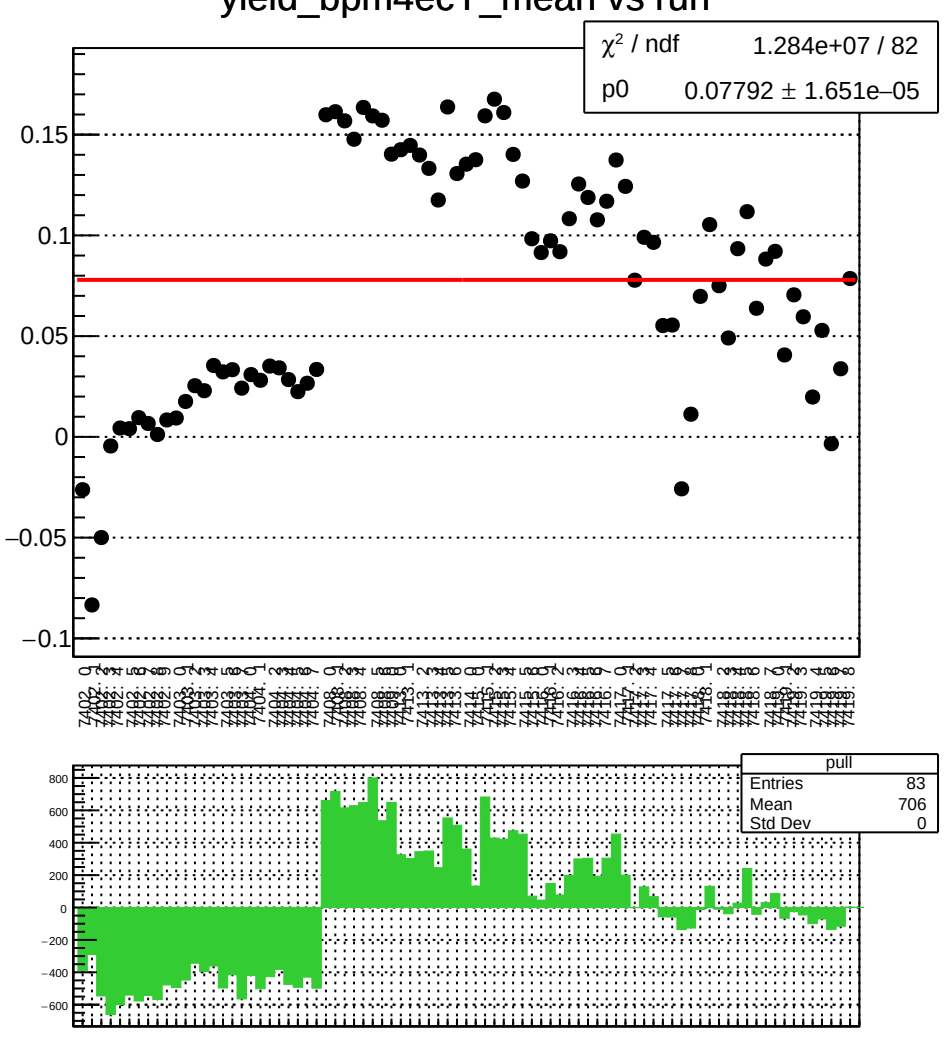

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

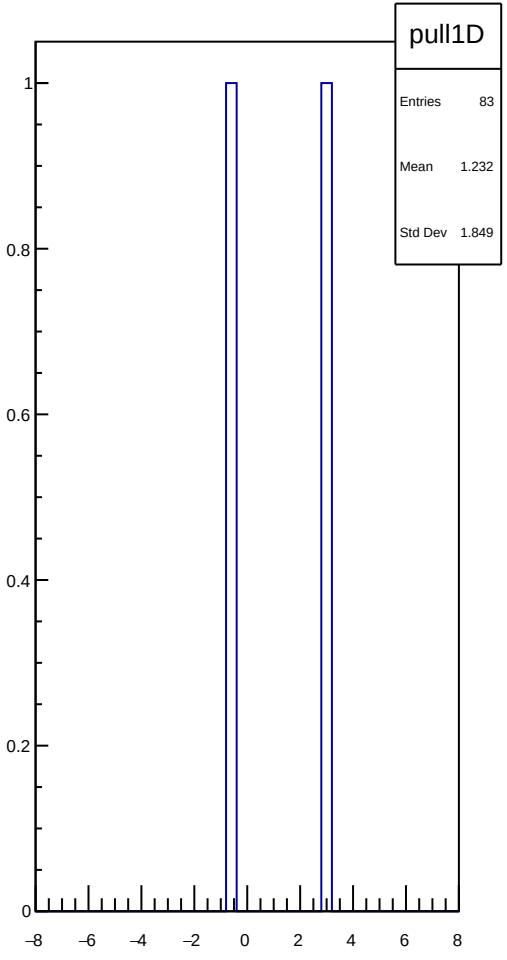

yield_bpm4acY_rms vs run
χ² / ndf 2.631e+04 / 82
p0 0.01156 ± 9.279e–06
0.03
0.025
0.02
0.015
0.01

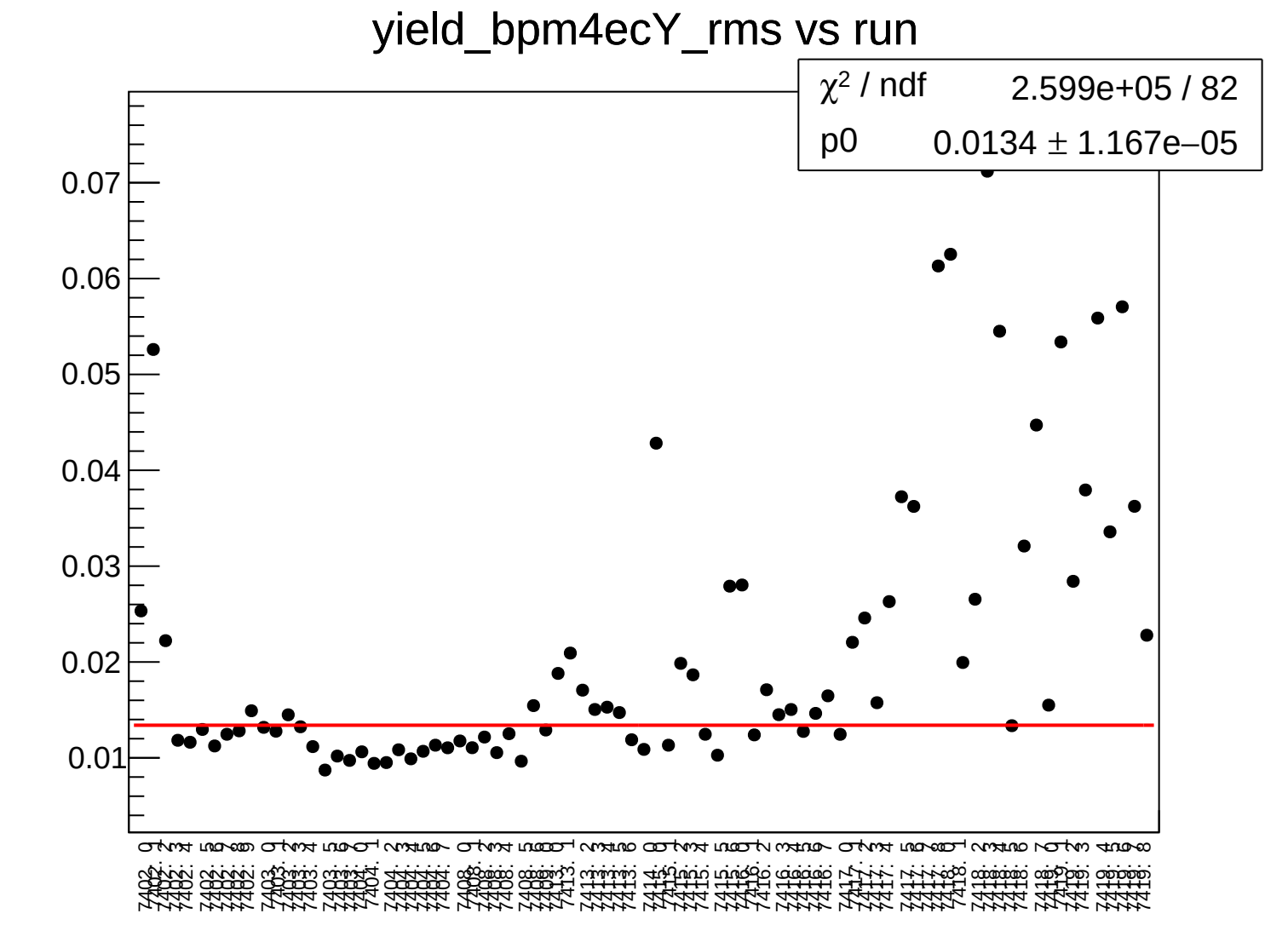

yield_bpm4ecX_mean vs run
χ² / ndf 9.033e+06 / 82
p0 −0.3466 ± 2.805e−05
pull
Entries 83
Mean 14.34
Std Dev 50.29

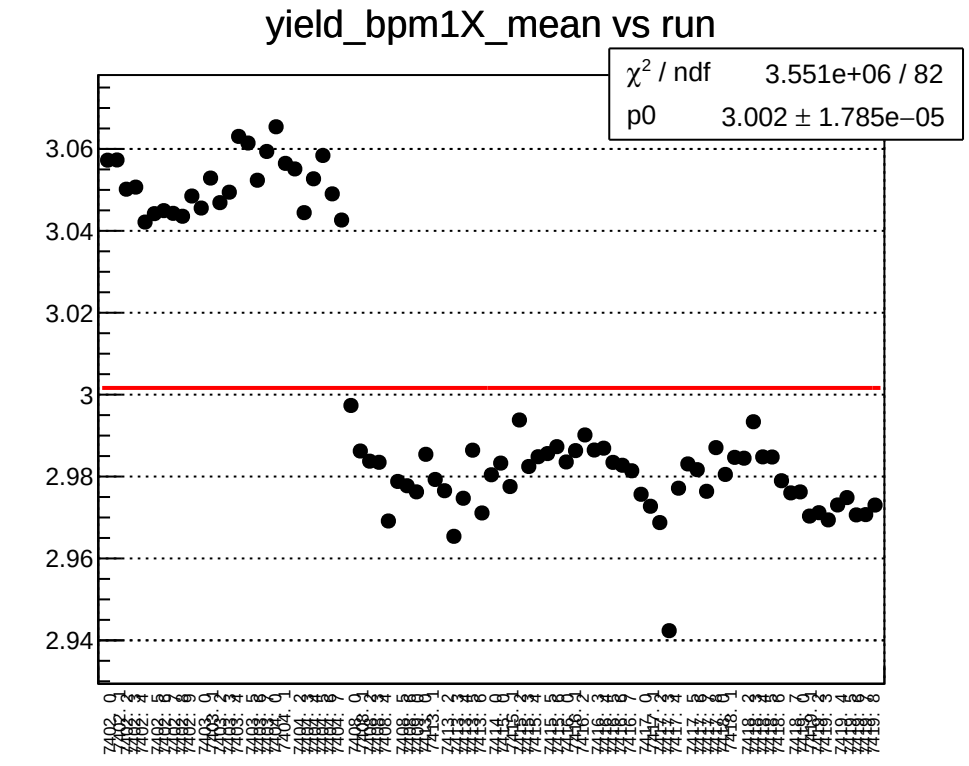

pull1D
Entries 83
Mean 4.298
Std Dev 1.681

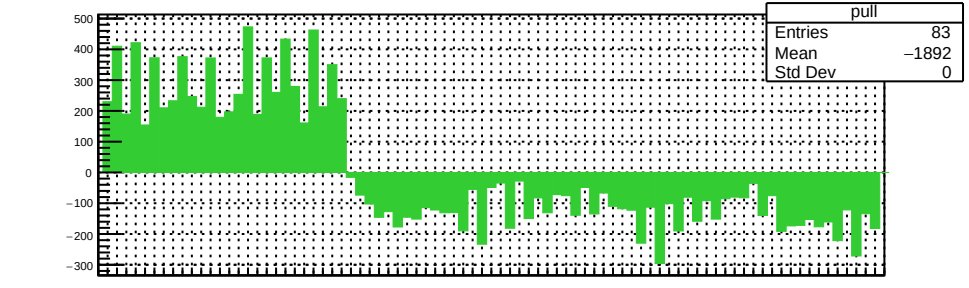

yield_bpm4ecX_rms vs run
χ² / ndf 2.652e+05 / 82
p0 0.02273 ± 1.983e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

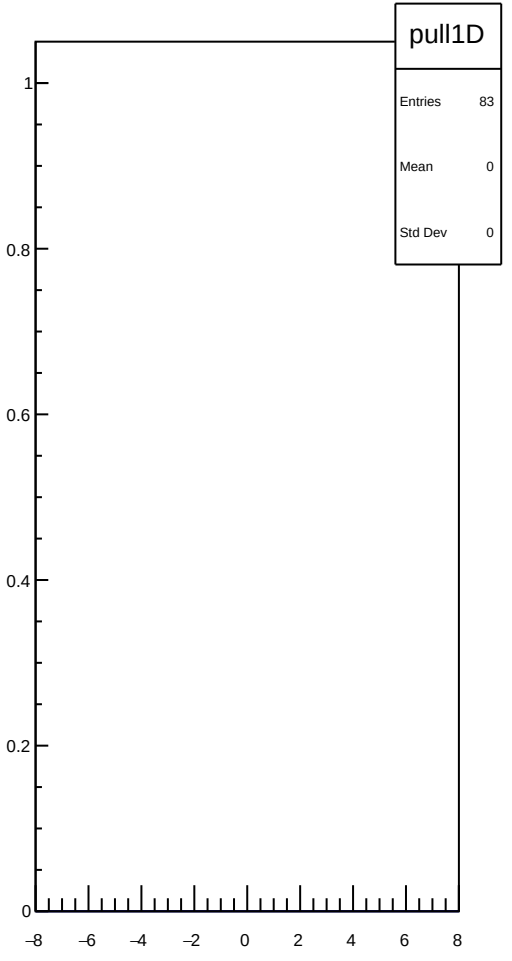

yield_bpm4ecY_mean vs run
χ² / ndf 1.284e+07 / 82
p0 0.07792 ± 1.651e−05
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 706
Std Dev 0
800
600
400
200
0
−200
−400
−600

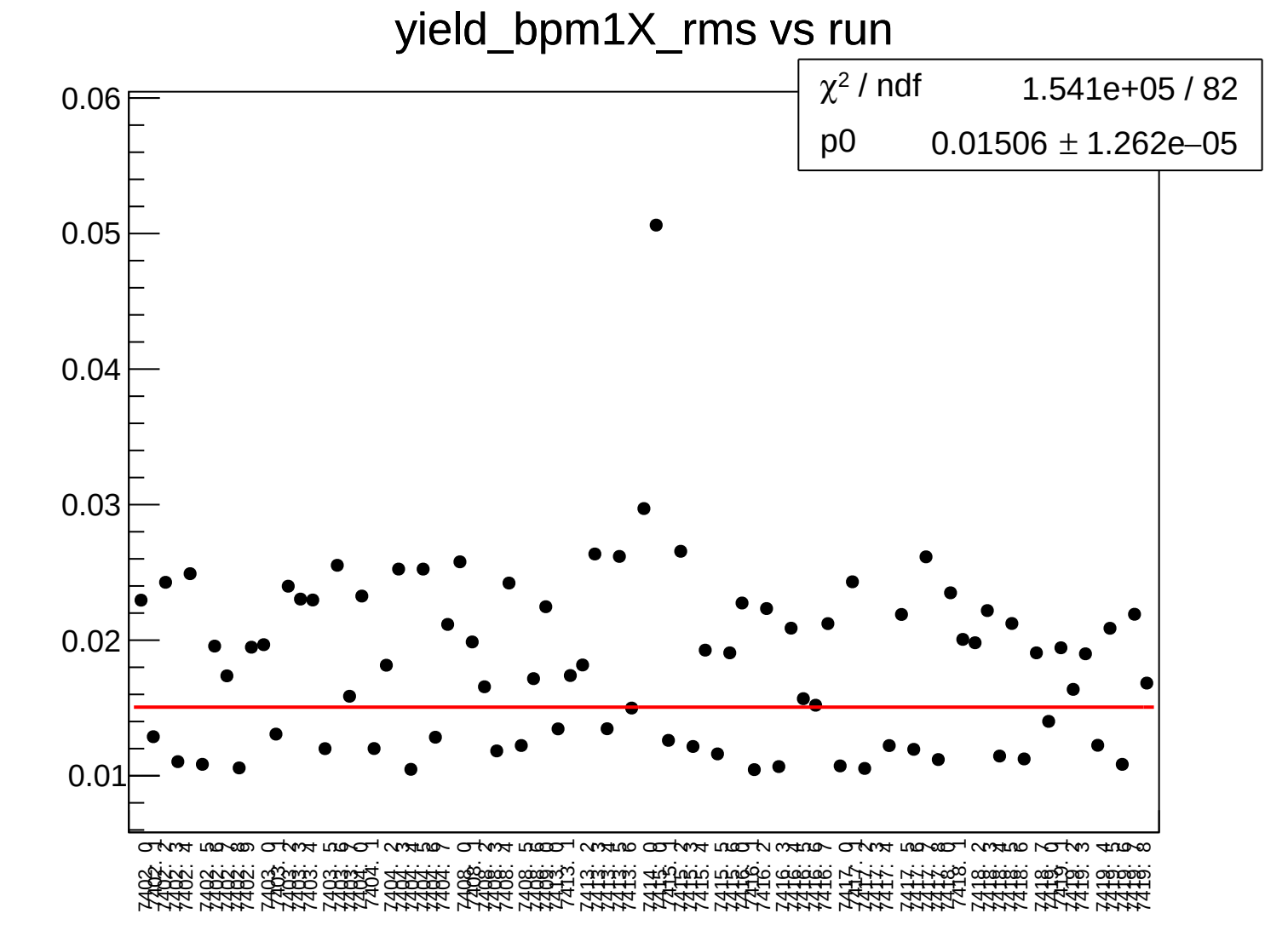

pull1D
Entries 83
Mean 1.232
Std Dev 1.849
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

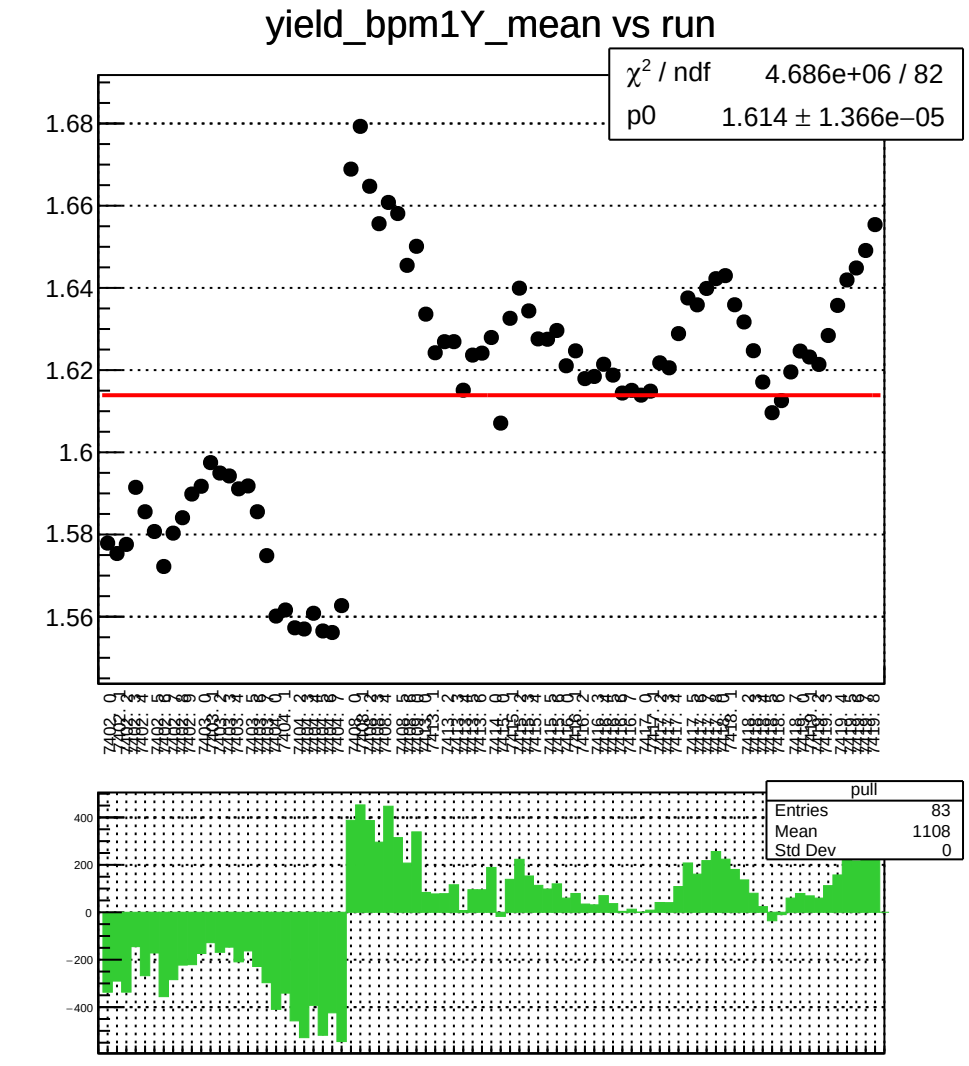

yield_bpm4ecY_rms vs run
χ² / ndf 2.599e+05 / 82
p0 0.0134 ± 1.167e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

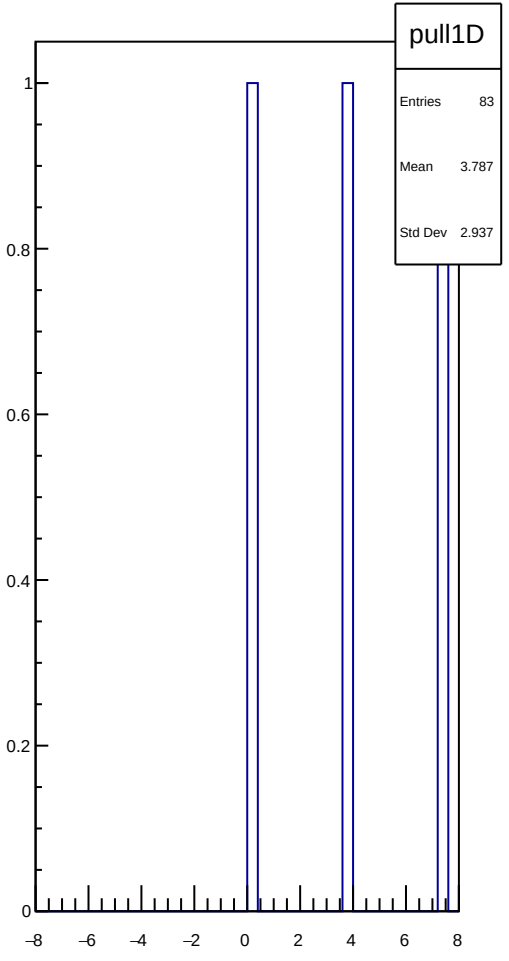

yield_bpm1X_mean vs run
χ² / ndf 3.551e+06 / 82
p0 3.002 ± 1.785e−05
3.06
3.04
3.02
3
2.98
2.96
2.94

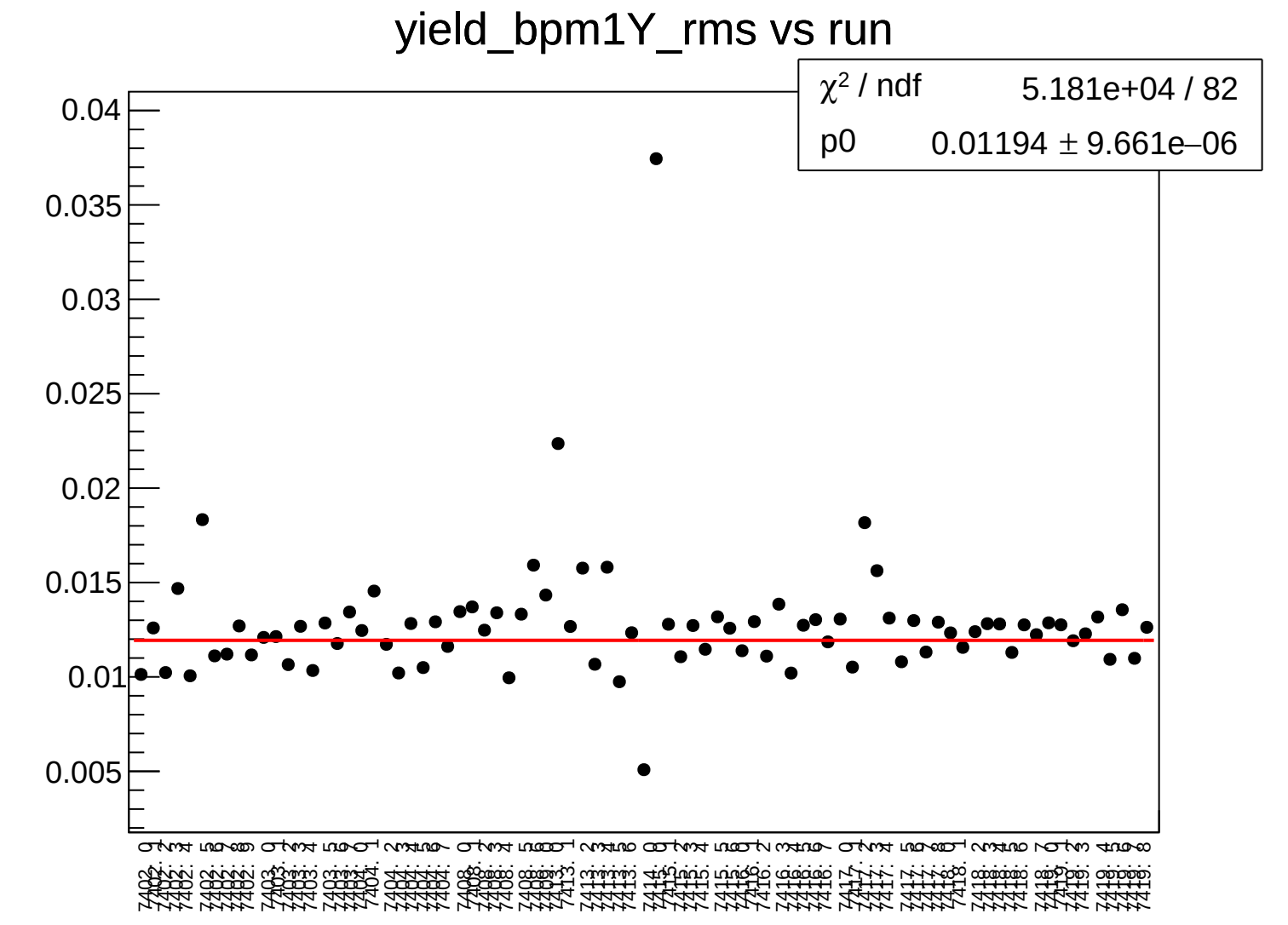

pull
Entries 83
Mean −1892
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

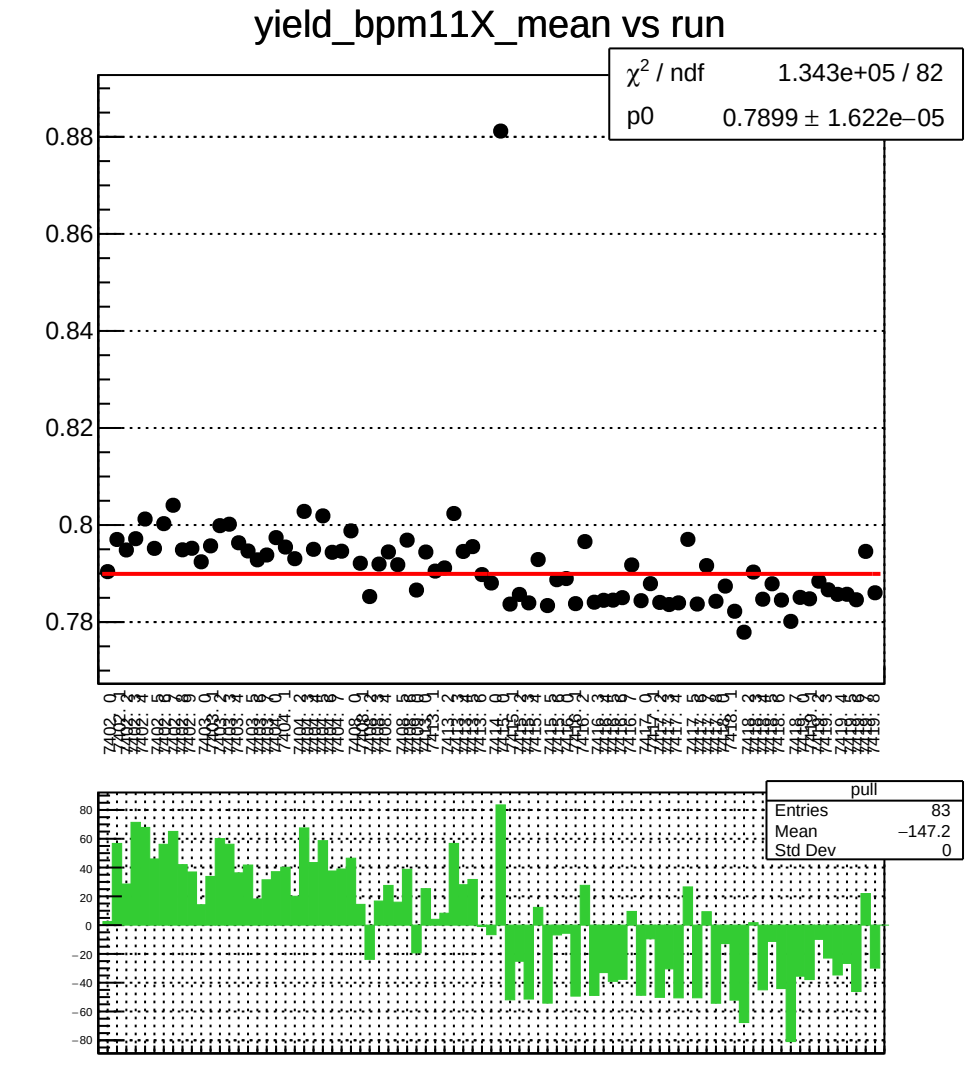

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

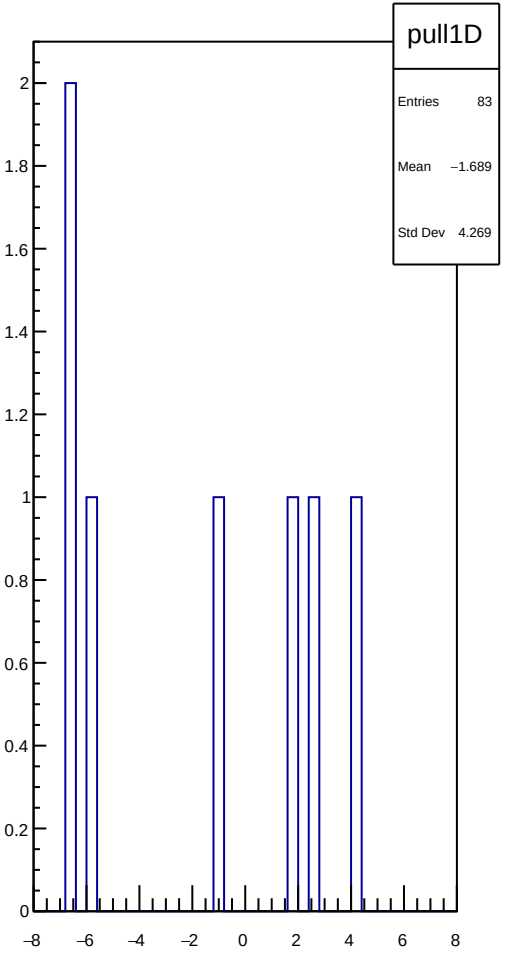

yield_bpm1X_rms vs run
χ² / ndf 1.541e+05 / 82
p0 0.01506 ± 1.262e−05
0.06
0.05
0.04
0.03
0.02
0.01

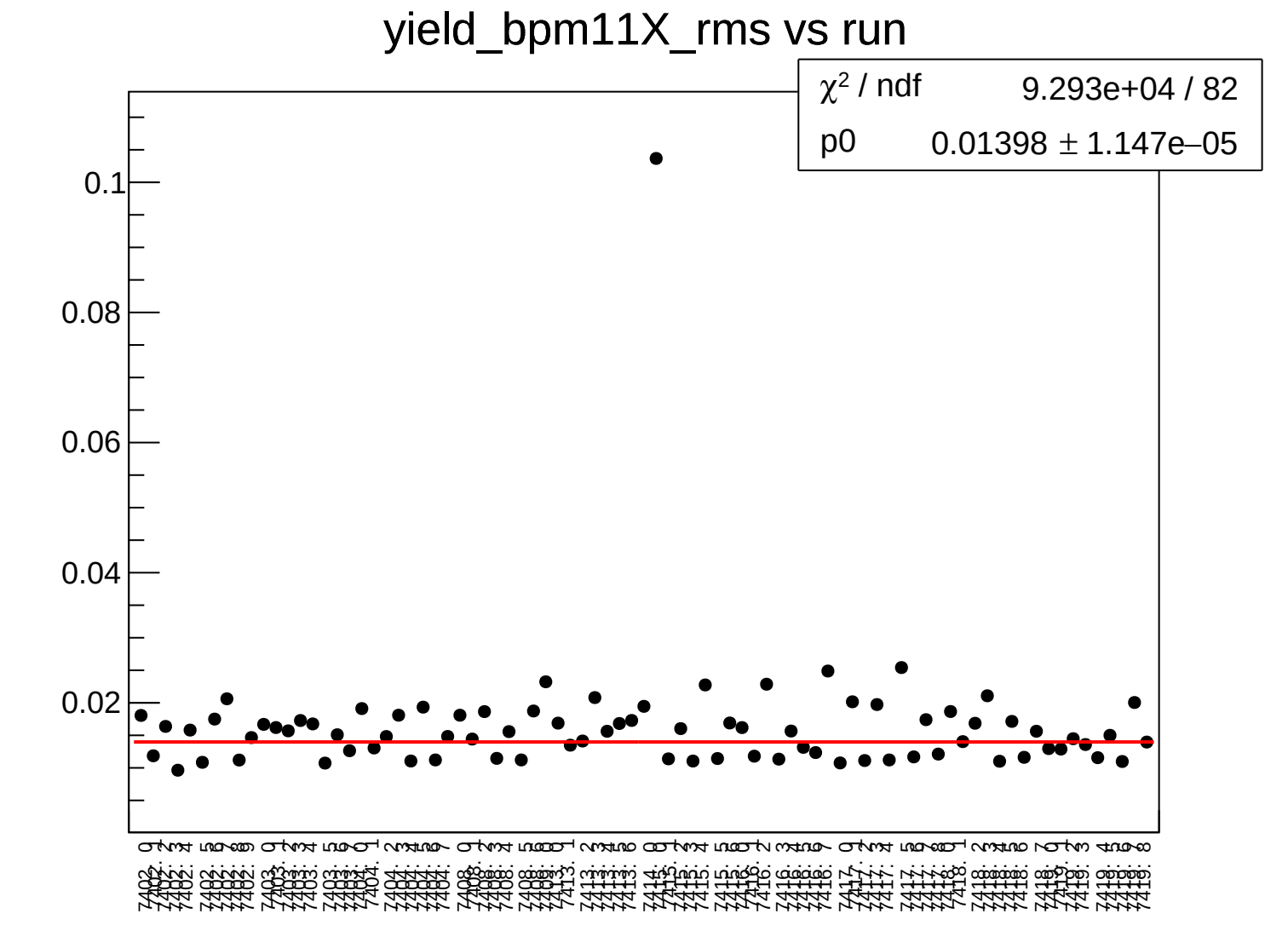

yield_bpm1Y_mean vs run
χ² / ndf 4.686e+06 / 82
p0 1.614 ± 1.366e−05
1.68
1.66
1.64
1.62
1.6
1.58
1.56
pull
Entries 83
Mean 1108
Std Dev 0
400
200
0
−200
−400

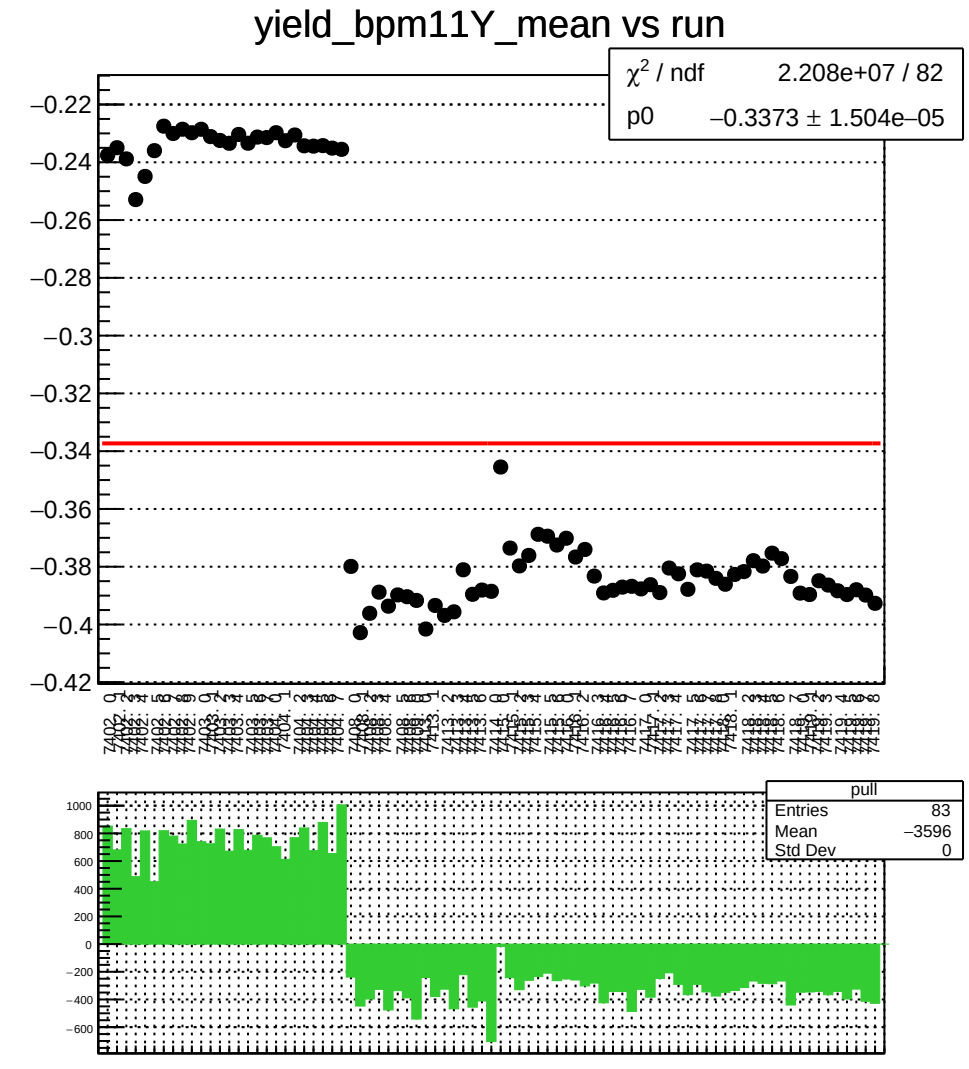

pull1D
Entries 83
Mean 3.787
Std Dev 2.937
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

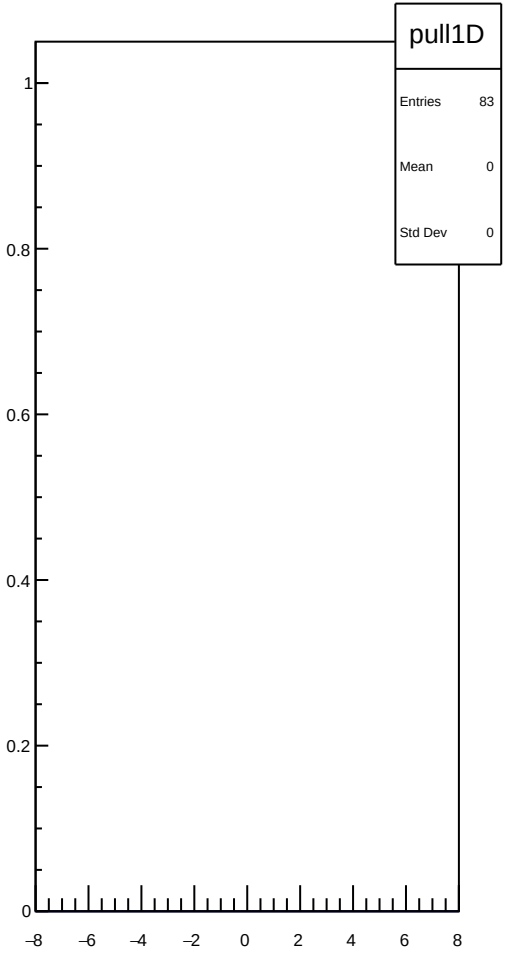

yield_bpm1Y_rms vs run
χ^2 / ndf 5.181e+04 / 82
p0 0.01194 ± 9.661e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

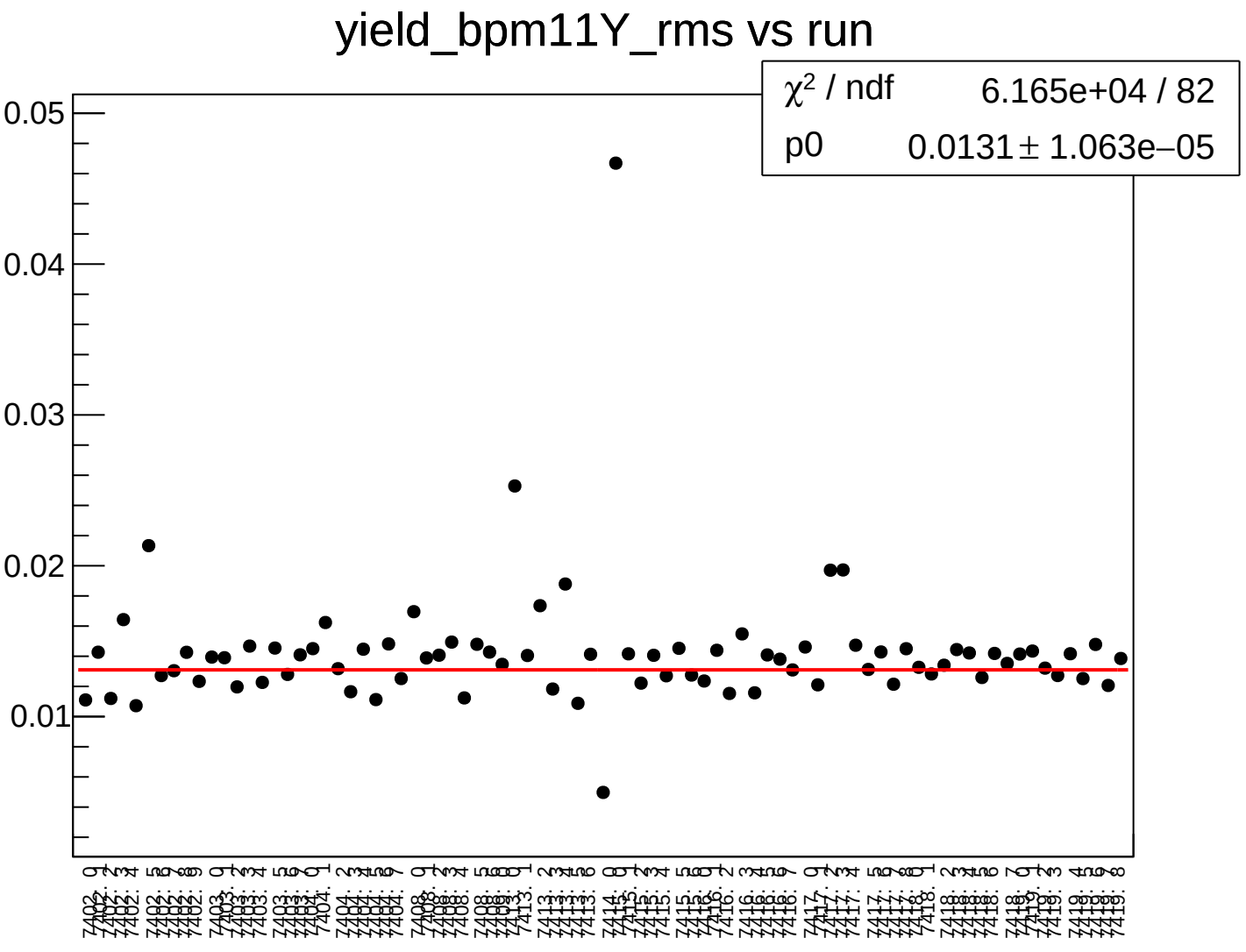

yield_bpm11X_mean vs run
χ² / ndf 1.343e+05 / 82
p0 0.7899 ± 1.622e−05
0.88
0.86
0.84
0.82
0.8
0.78
pull
Entries 83
Mean −147.2
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

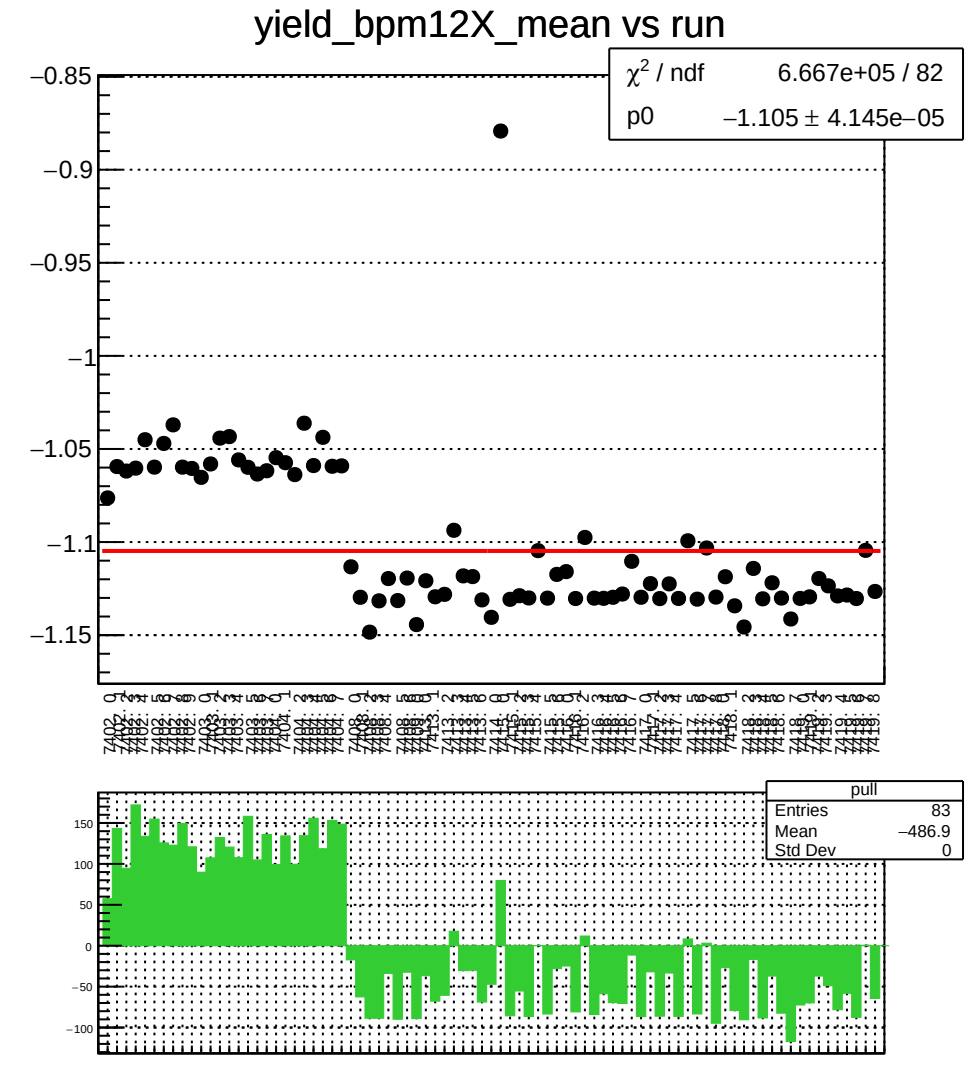

pull1D
Entries 83
Mean −1.689
Std Dev 4.269
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

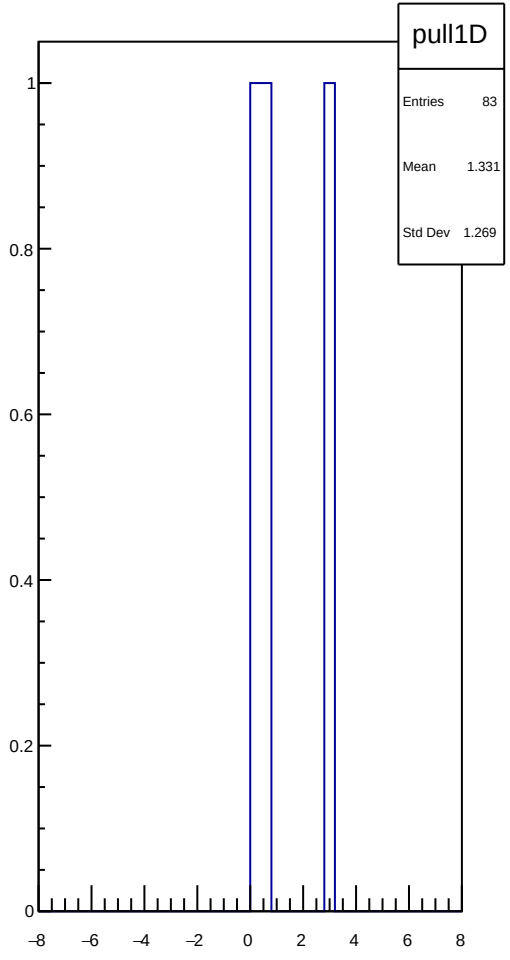

yield_bpm11X_rms vs run
χ² / ndf 9.293e+04 / 82
p0 0.01398 ± 1.147e–05
0.1
0.08
0.06
0.04
0.02

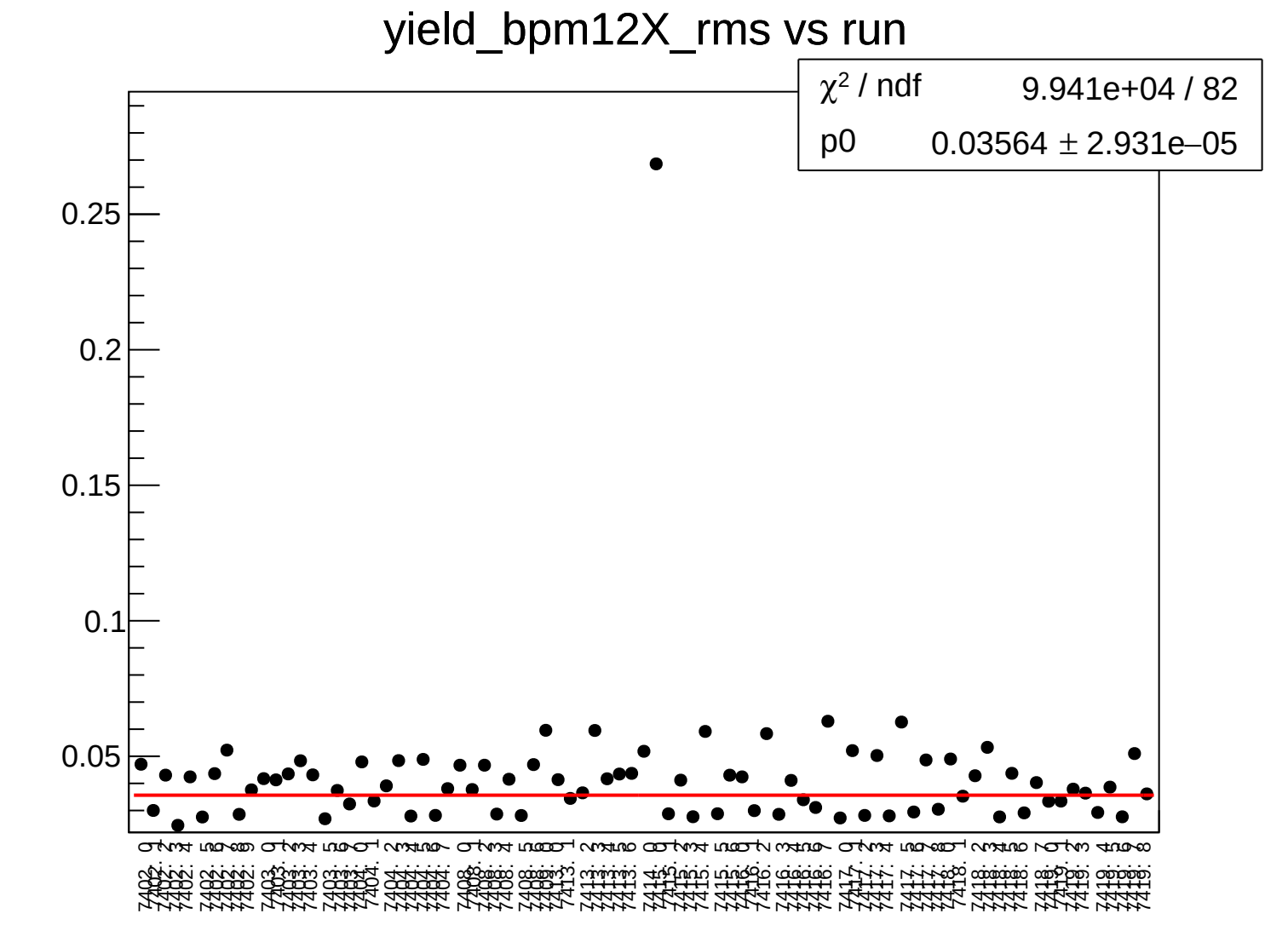

yield_bpm11Y_mean vs run
χ² / ndf 2.208e+07 / 82
p0 −0.3373 ± 1.504e−05
−0.22
−0.24
−0.26
−0.28
−0.3
−0.32
−0.34
−0.36
−0.38
−0.4
−0.42
pull
Entries 83
Mean −3596
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600

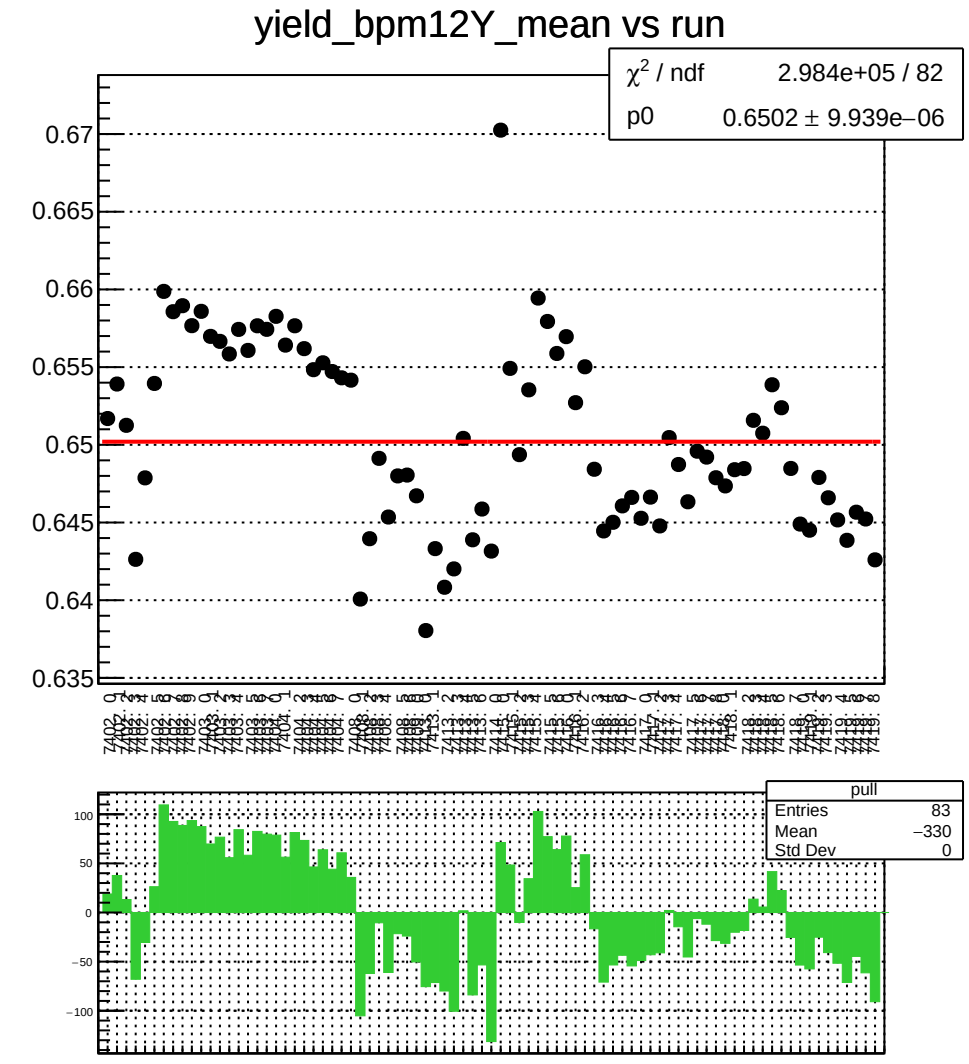

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

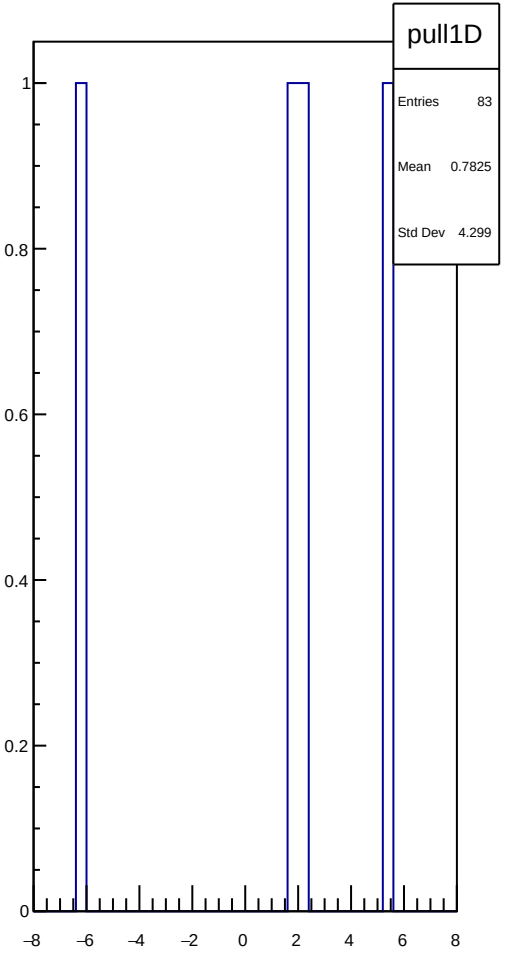

yield_bpm11Y_rms vs run
χ² / ndf 6.165e+04 / 82
p0 0.0131 ± 1.063e−05
0.05
0.04
0.03
0.02
0.01

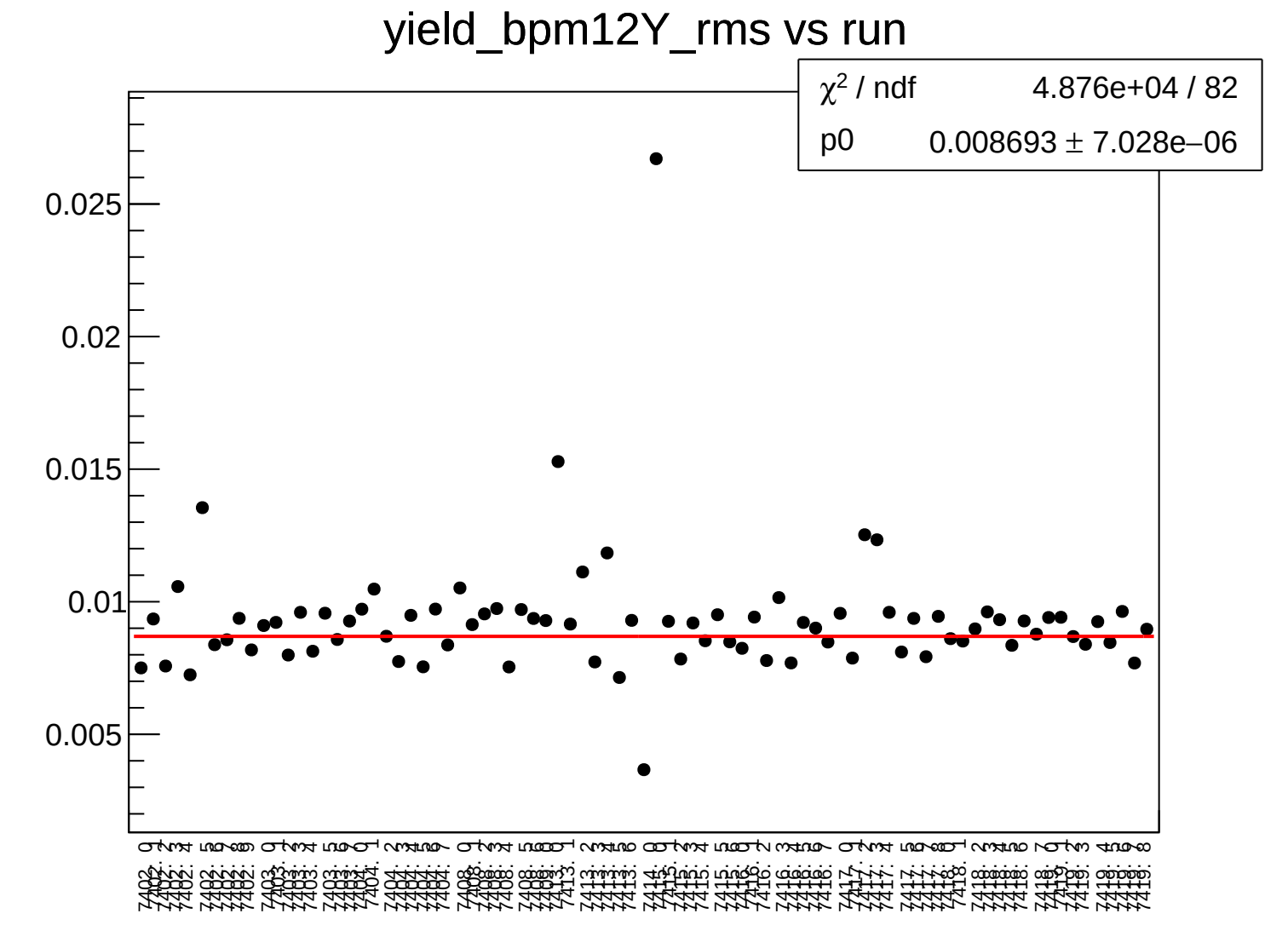

yield_bpm12X_mean vs run
χ² / ndf 6.667e+05 / 82
p0 −1.105 ± 4.145e−05
−0.85
−0.9
−0.95
−1
−1.05
−1.1
−1.15
pull
Entries 83
Mean −486.9
Std Dev 0
150
100
50
0
−50
−100

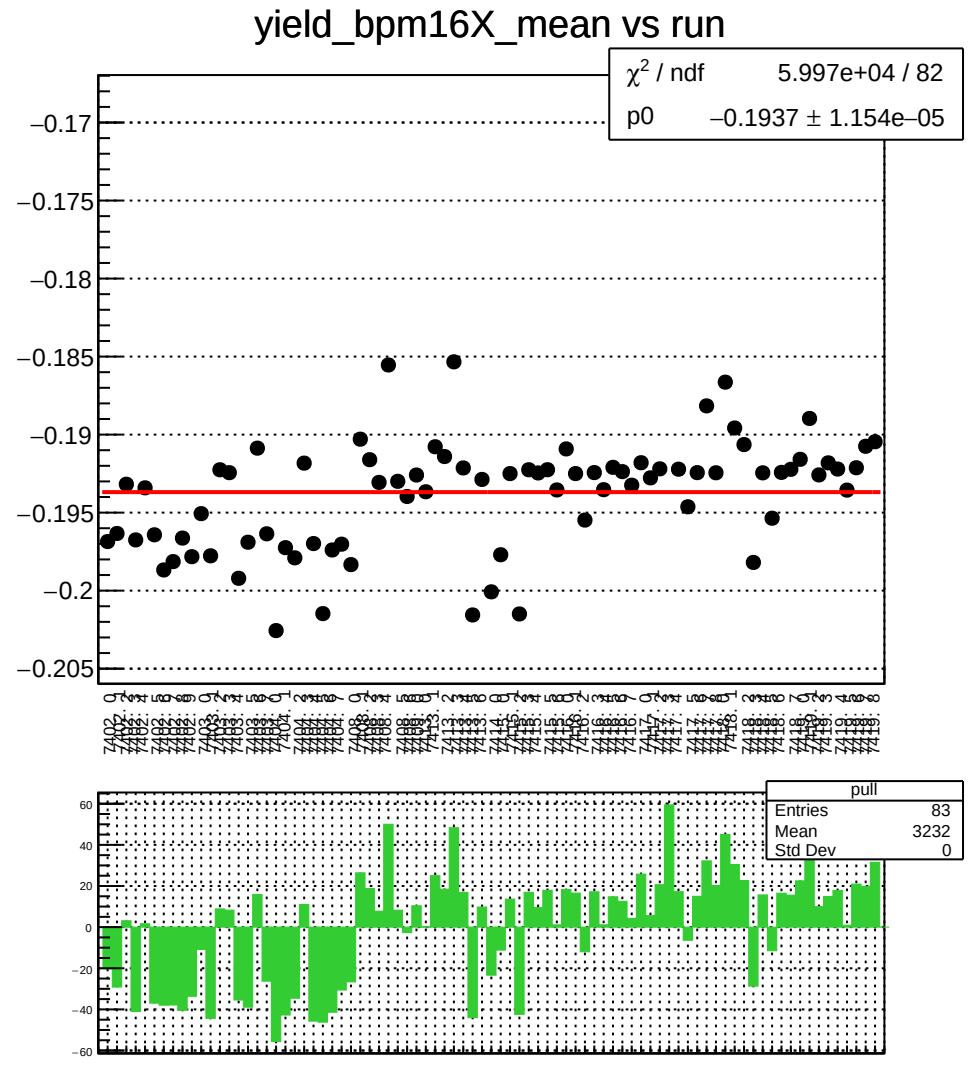

pull1D
Entries 83
Mean 1.331
Std Dev 1.269
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

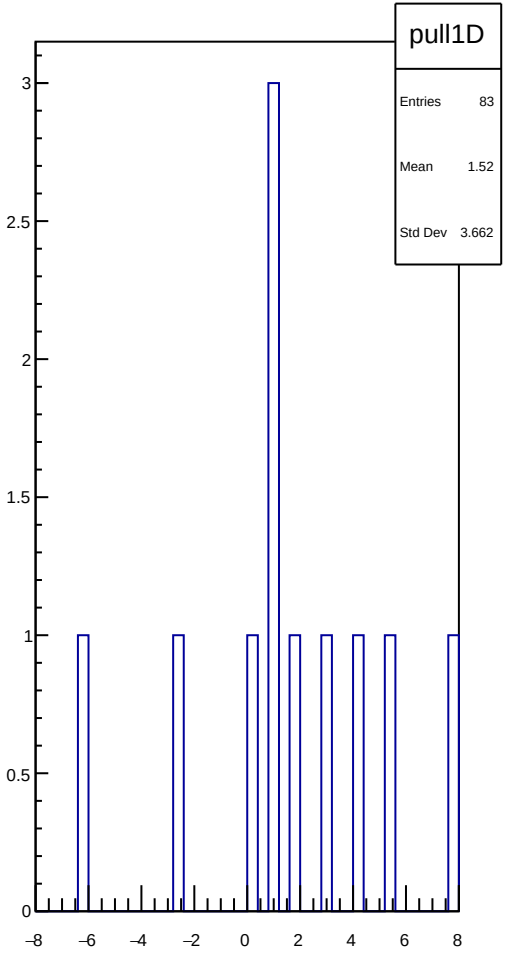

yield_bpm12X_rms vs run
χ² / ndf 9.941e+04 / 82
p0 0.03564 ± 2.931e−05
0.25
0.2
0.15
0.1
0.05

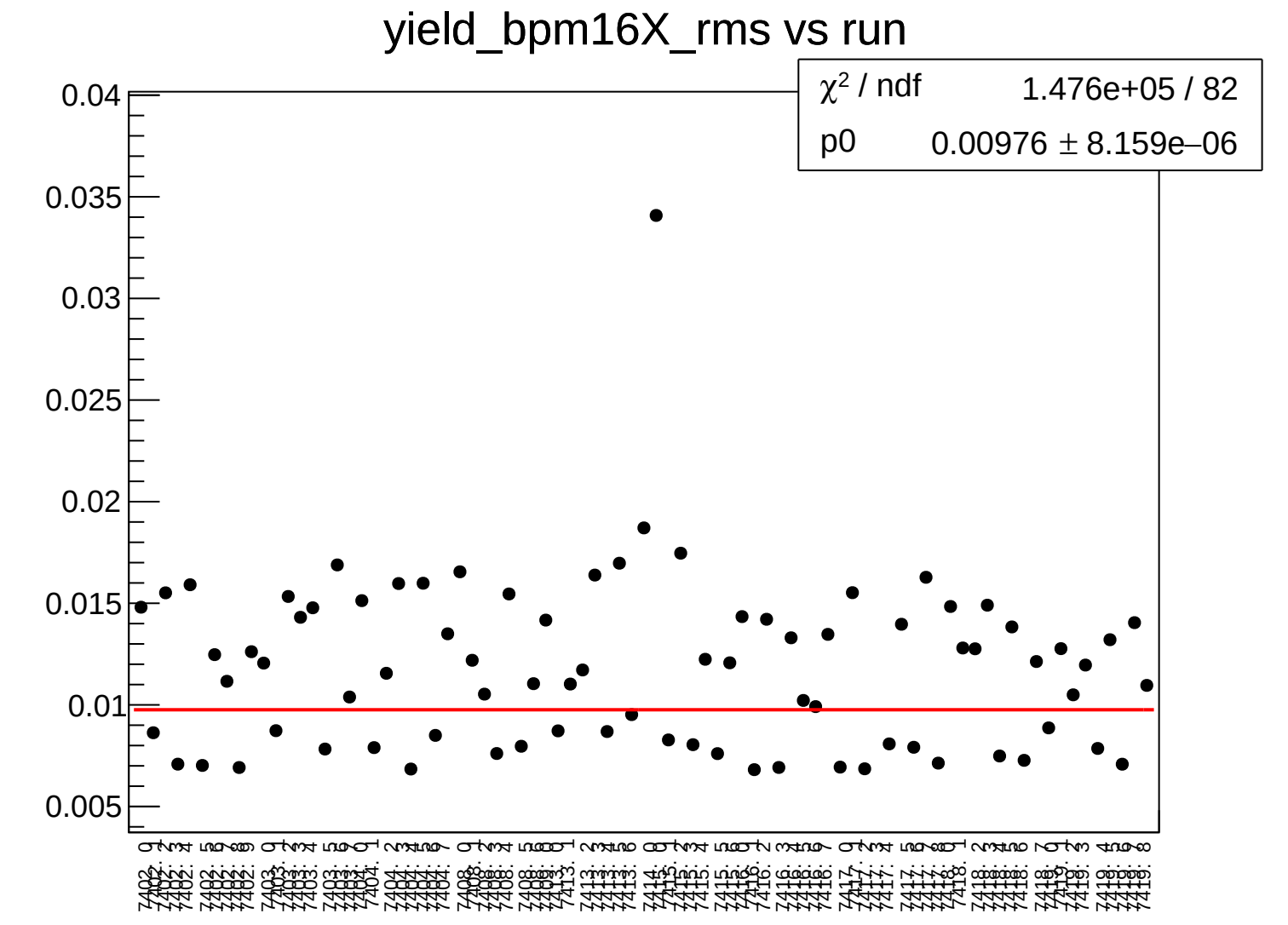

yield_bpm12Y_mean vs run
χ² / ndf 2.984e+05 / 82
p0 0.6502 ± 9.939e−06
0.67
0.665
0.66
0.655
0.65
0.645
0.64
0.635
pull
Entries 83
Mean −330
Std Dev 0
100
50
0
−50
−100

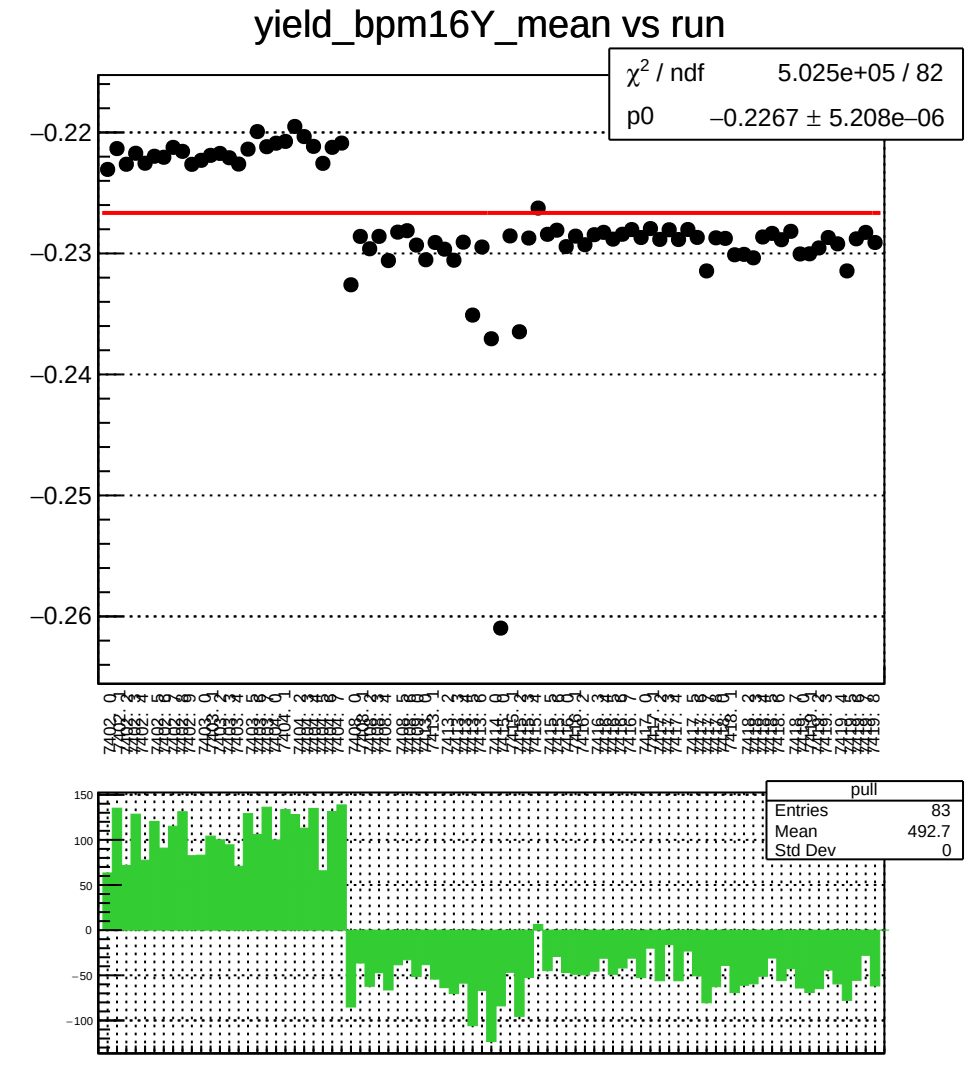

pull1D
Entries 83
Mean 0.7825
Std Dev 4.299
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

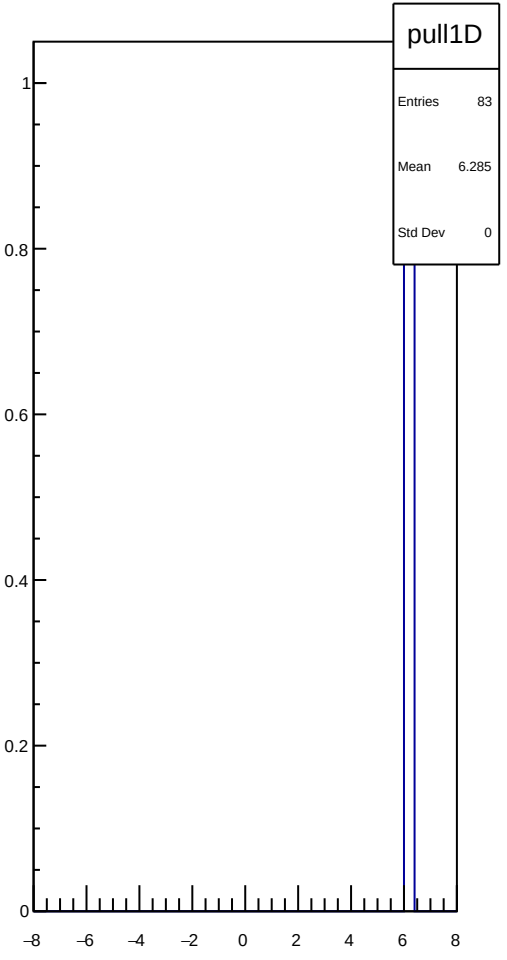

yield_bpm12Y_rms vs run
χ² / ndf 4.876e+04 / 82
p0 0.008693 ± 7.028e−06
0.025
0.02
0.015
0.01
0.005

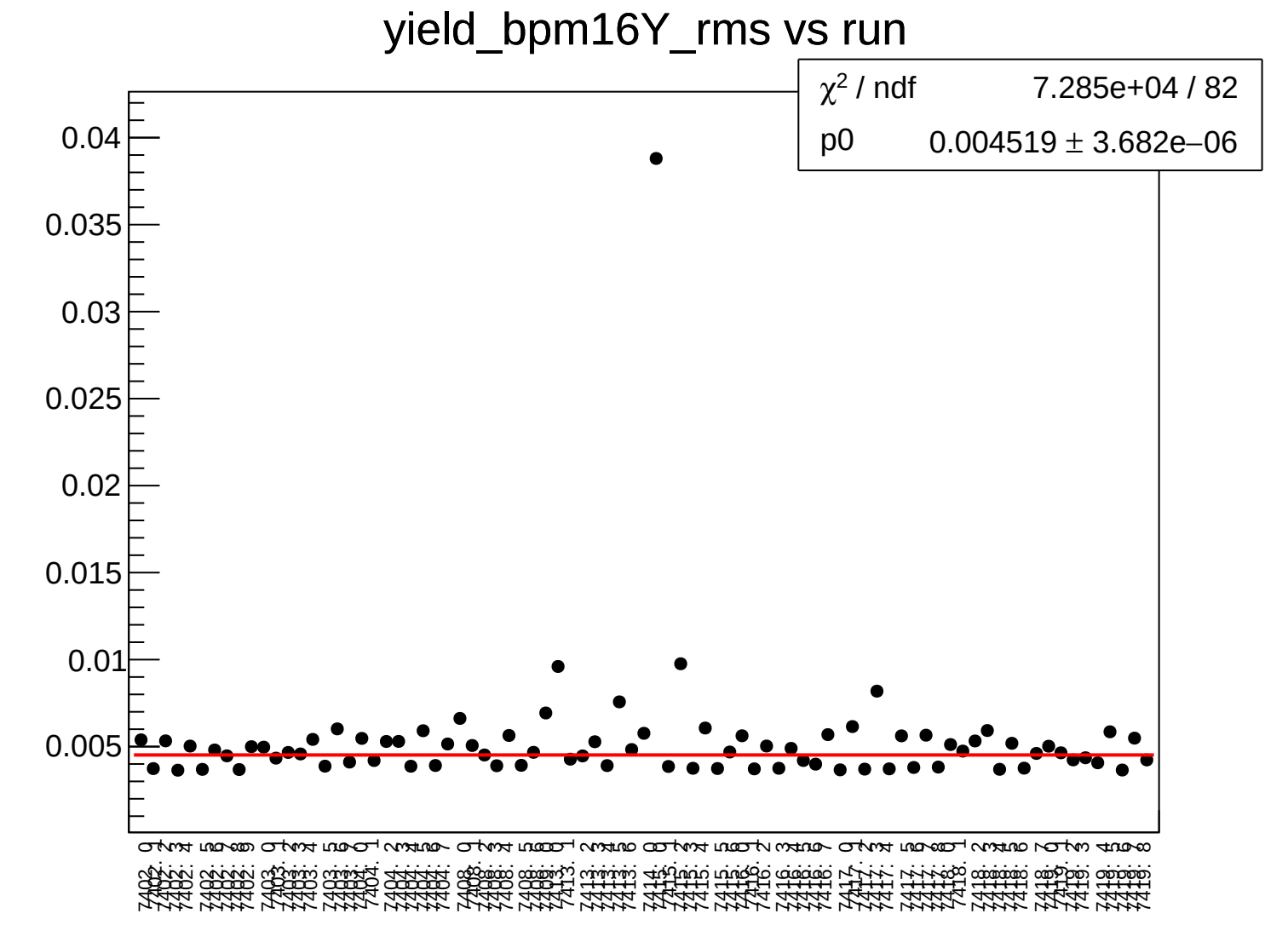

yield_bpm16X_mean vs run
χ² / ndf 5.997e+04 / 82
p0 −0.1937 ± 1.154e−05
−0.17
−0.175
−0.18
−0.185
−0.19
−0.195
−0.2
−0.205
pull
Entries 83
Mean 3232
Std Dev 0
60
40
20
0
−20
−40
−60

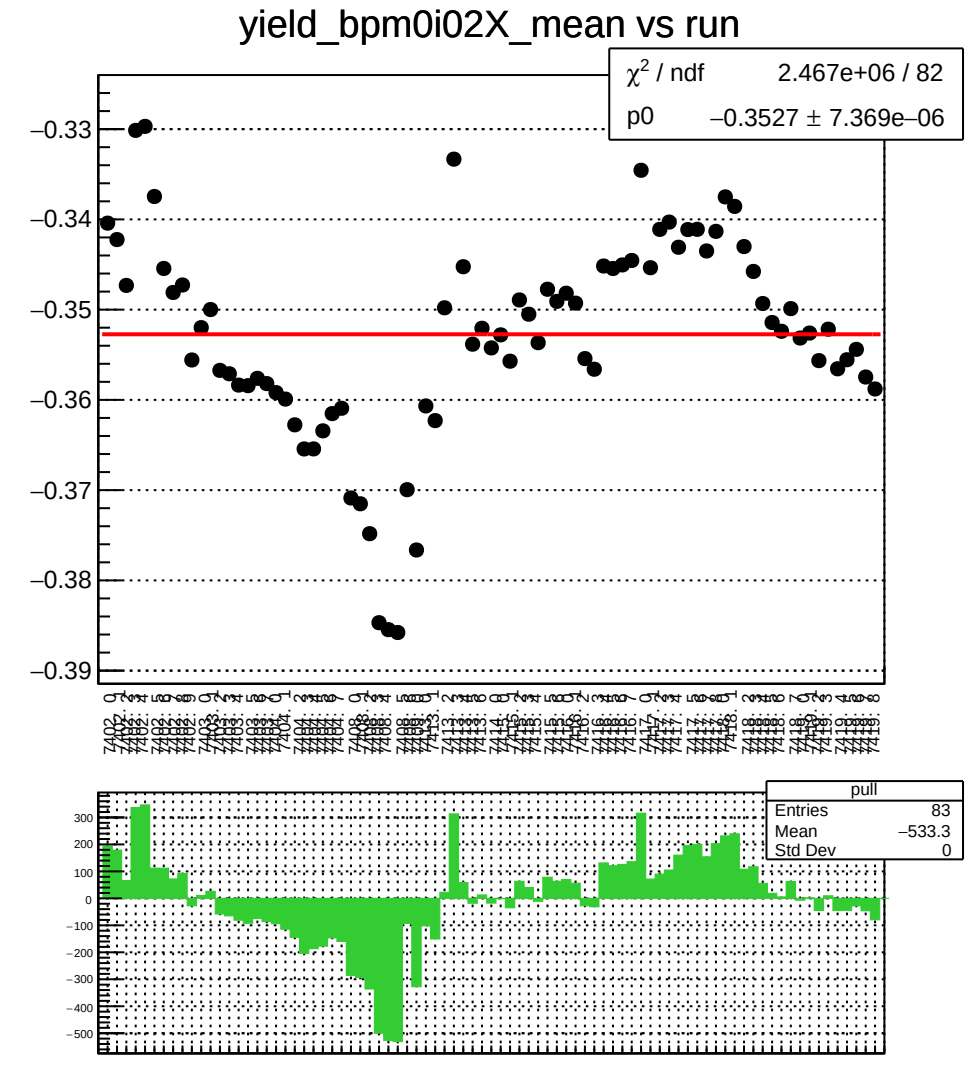

pull1D
Entries 83
Mean 1.52
Std Dev 3.662
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

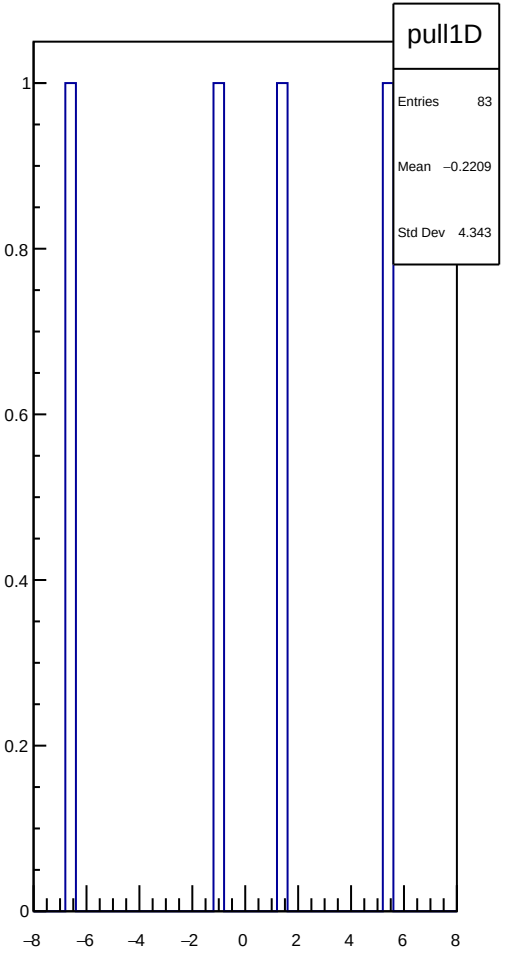

yield_bpm16X_rms vs run
χ² / ndf 1.476e+05 / 82
p0 0.00976 ± 8.159e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

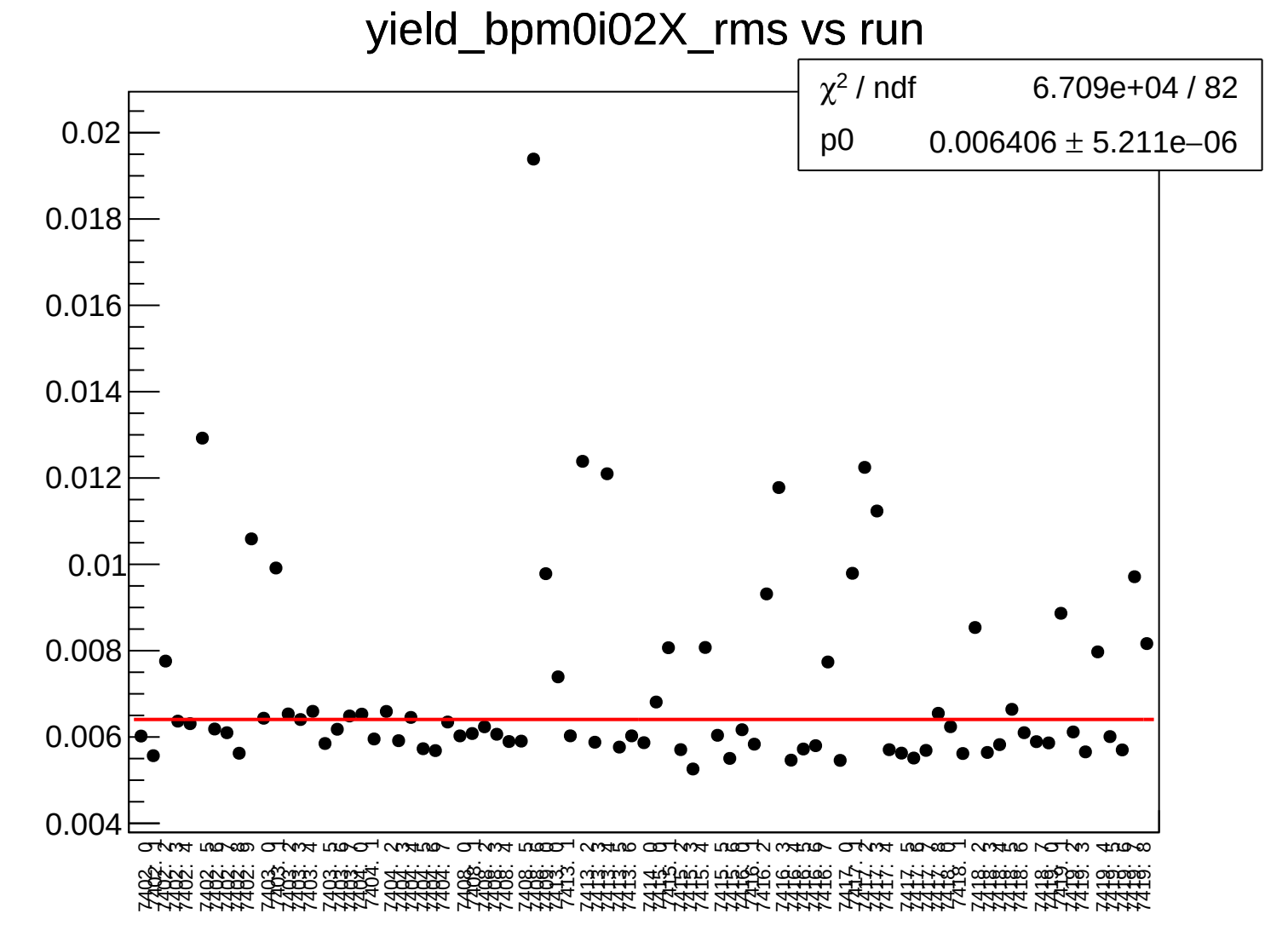

yield_bpm16Y_mean vs run
χ² / ndf 5.025e+05 / 82
p0 −0.2267 ± 5.208e−06
−0.22
−0.23
−0.24
−0.25
−0.26
pull
Entries 83
Mean 492.7
Std Dev 0
150
100
50
0
−50
−100

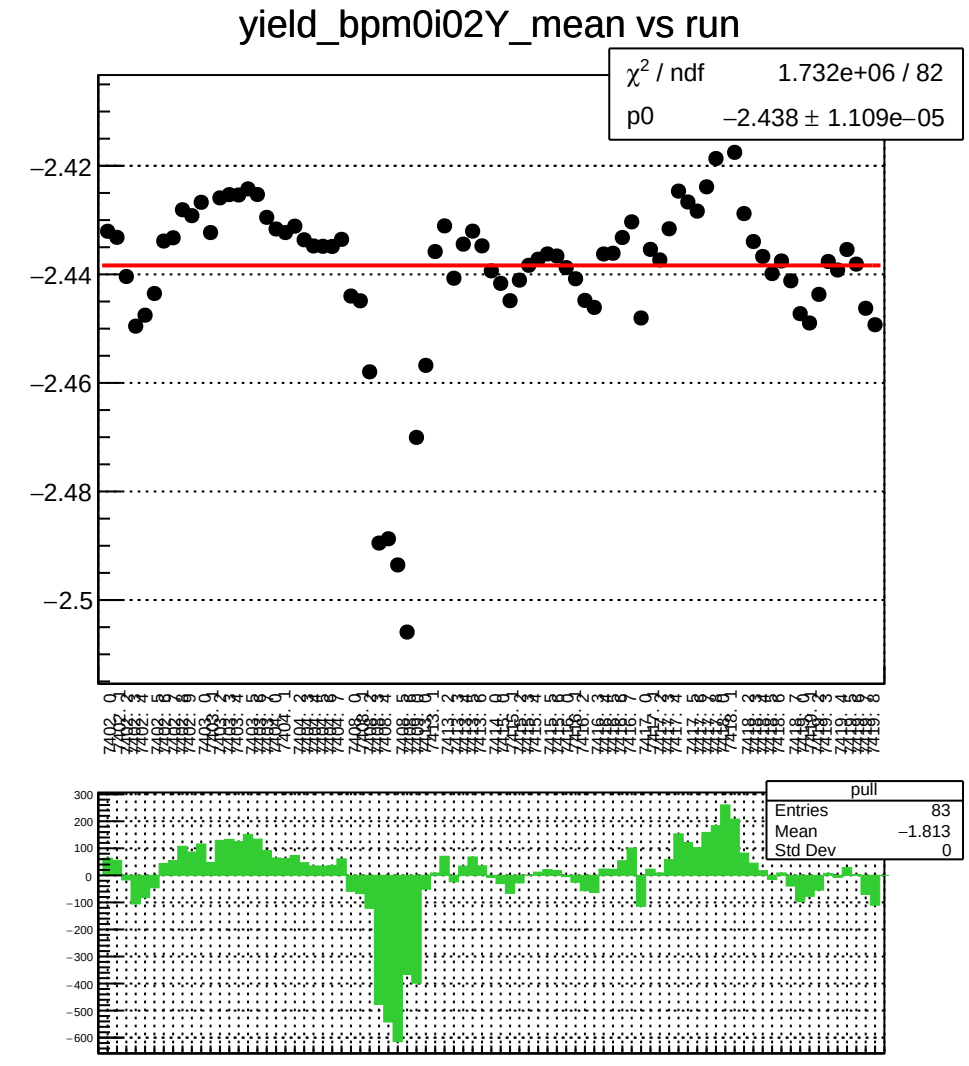

pull1D
Entries 83
Mean 6.285
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

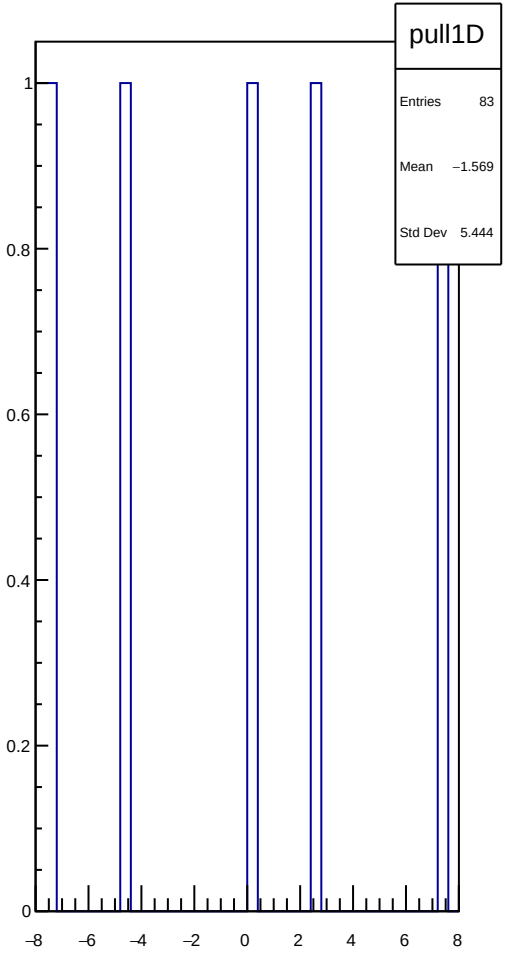

yield_bpm16Y_rms vs run
χ^2 / ndf 7.285e+04 / 82
p0 0.004519 ± 3.682e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

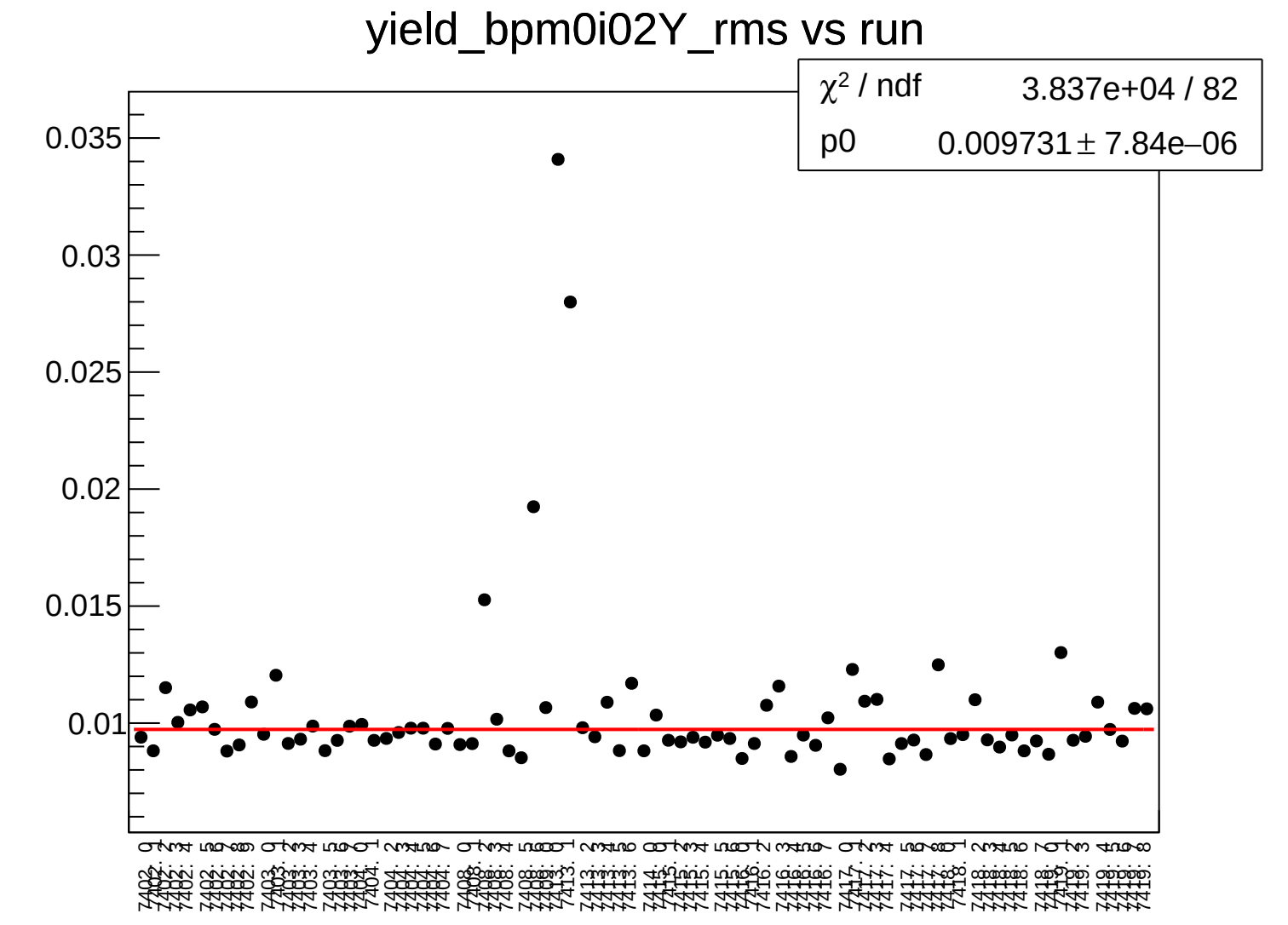

yield_bpm0i02X_mean vs run
χ² / ndf 2.467e+06 / 82
p0 −0.3527 ± 7.369e−06
−0.33
−0.34
−0.35
−0.36
−0.37
−0.38
−0.39
pull
Entries 83
Mean −533.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

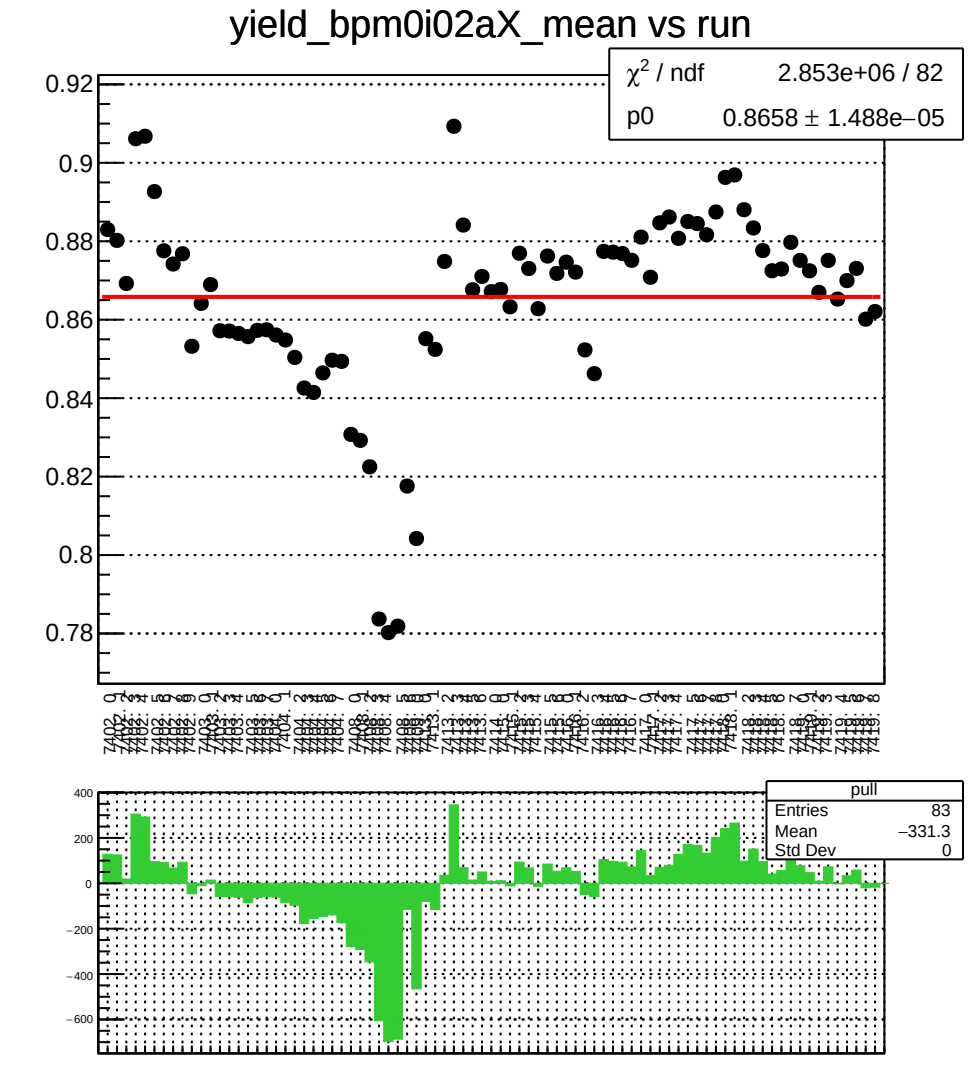

pull1D
Entries 83
Mean −0.2209
Std Dev 4.343
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

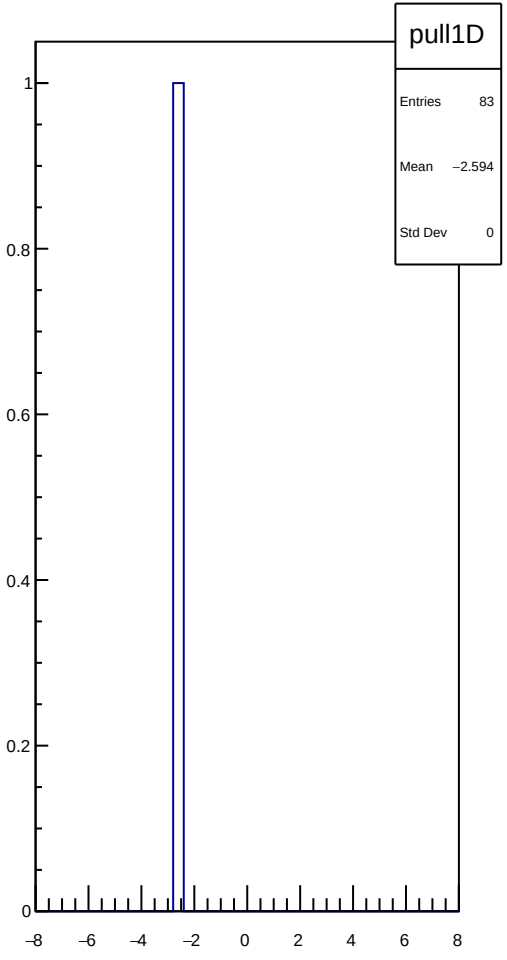

yield_bpm0i02X_rms vs run
χ² / ndf 6.709e+04 / 82
p0 0.006406 ± 5.211e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

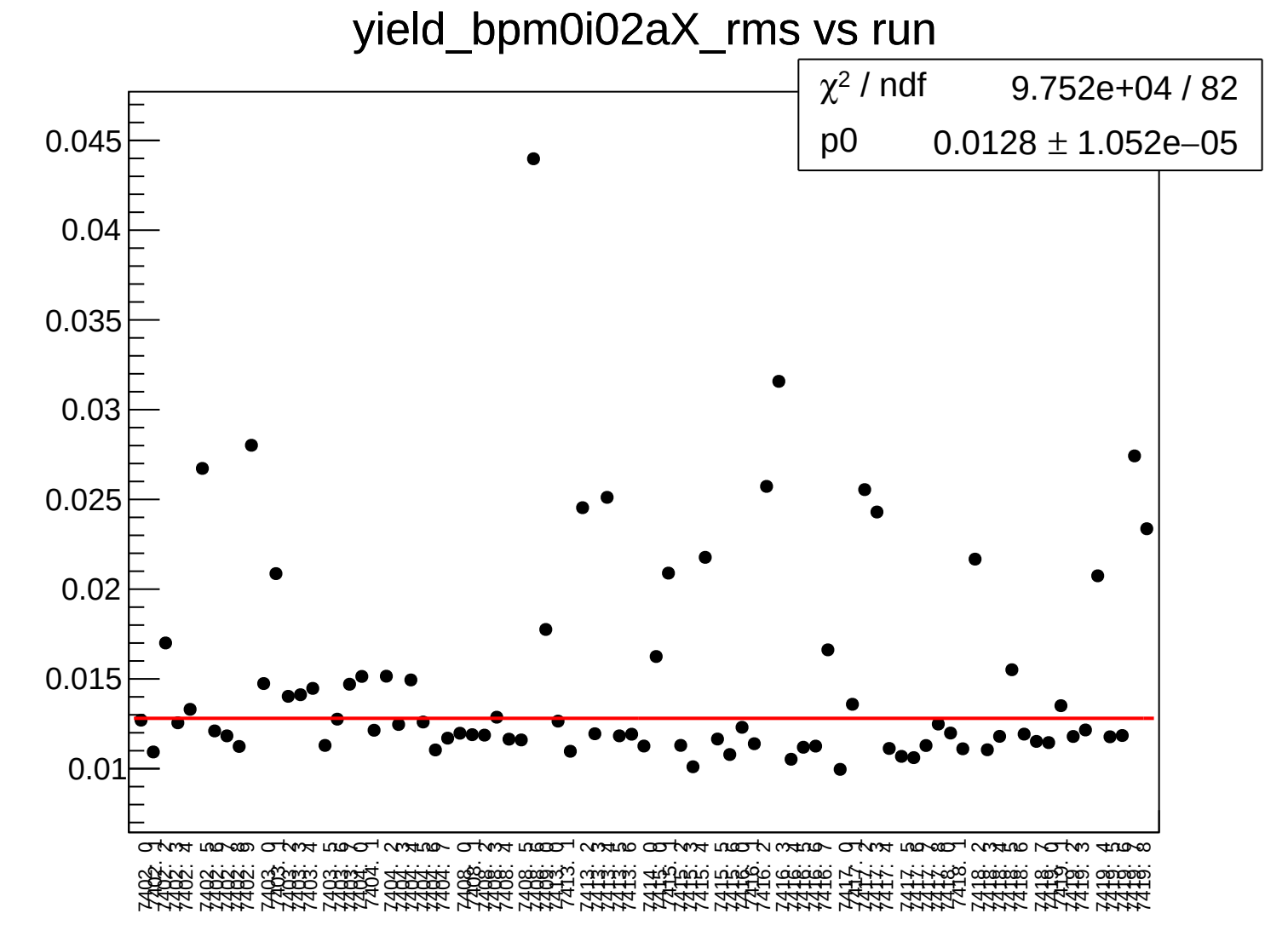

yield_bpm0i02Y_mean vs run
χ² / ndf 1.732e+06 / 82
p0 −2.438 ± 1.109e−05
−2.42
−2.44
−2.46
−2.48
−2.5
pull
Entries 83
Mean −1.813
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500
−600

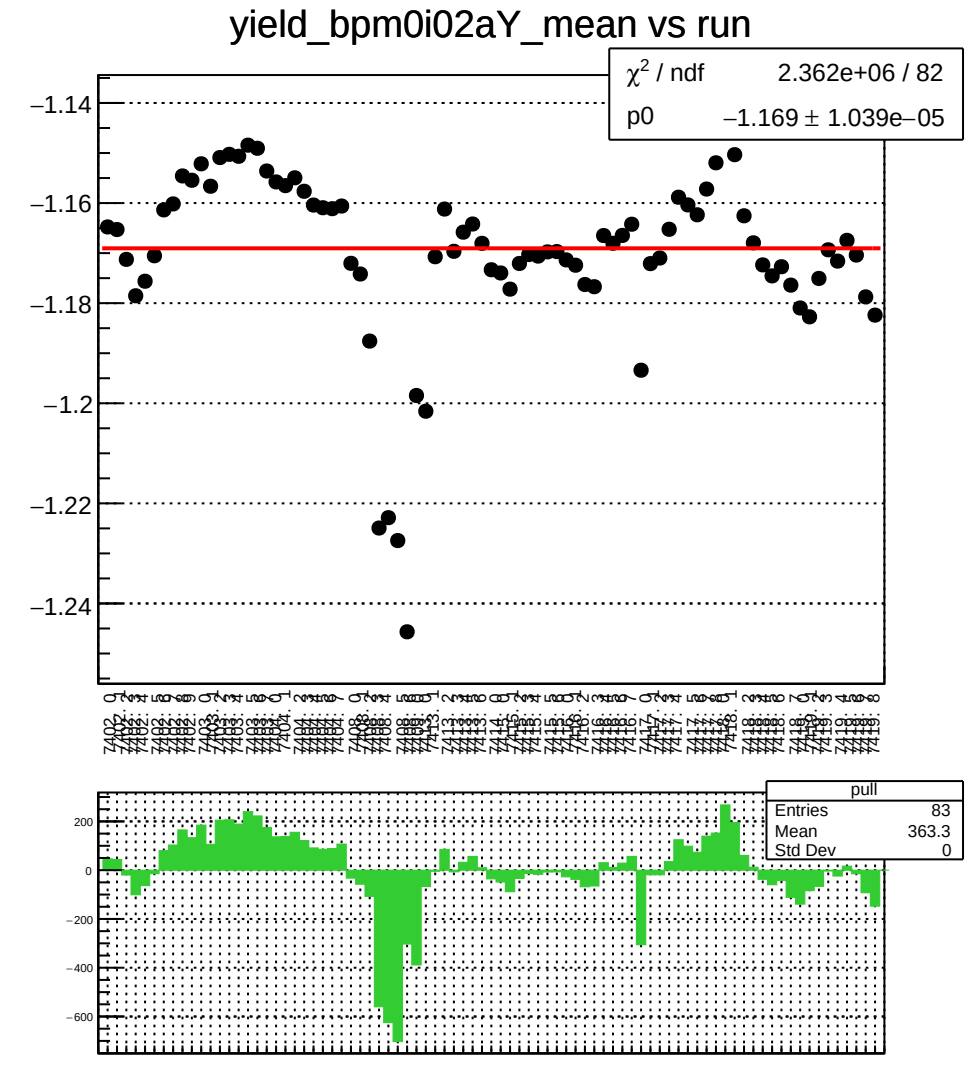

pull1D
Entries 83
Mean −1.569
Std Dev 5.444
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

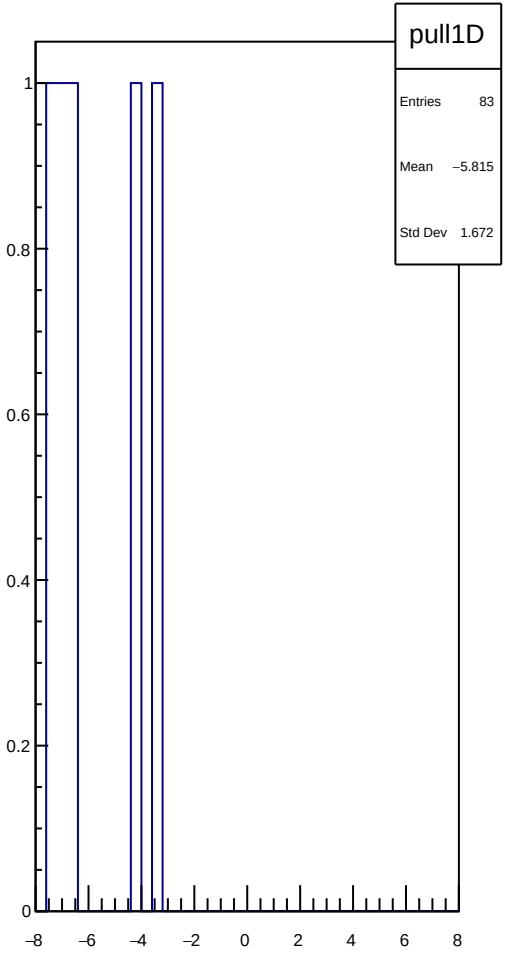

yield_bpm0i02Y_rms vs run
χ² / ndf 3.837e+04 / 82
p0 0.009731 ± 7.84e–06
0.035
0.03
0.025
0.02
0.015
0.01

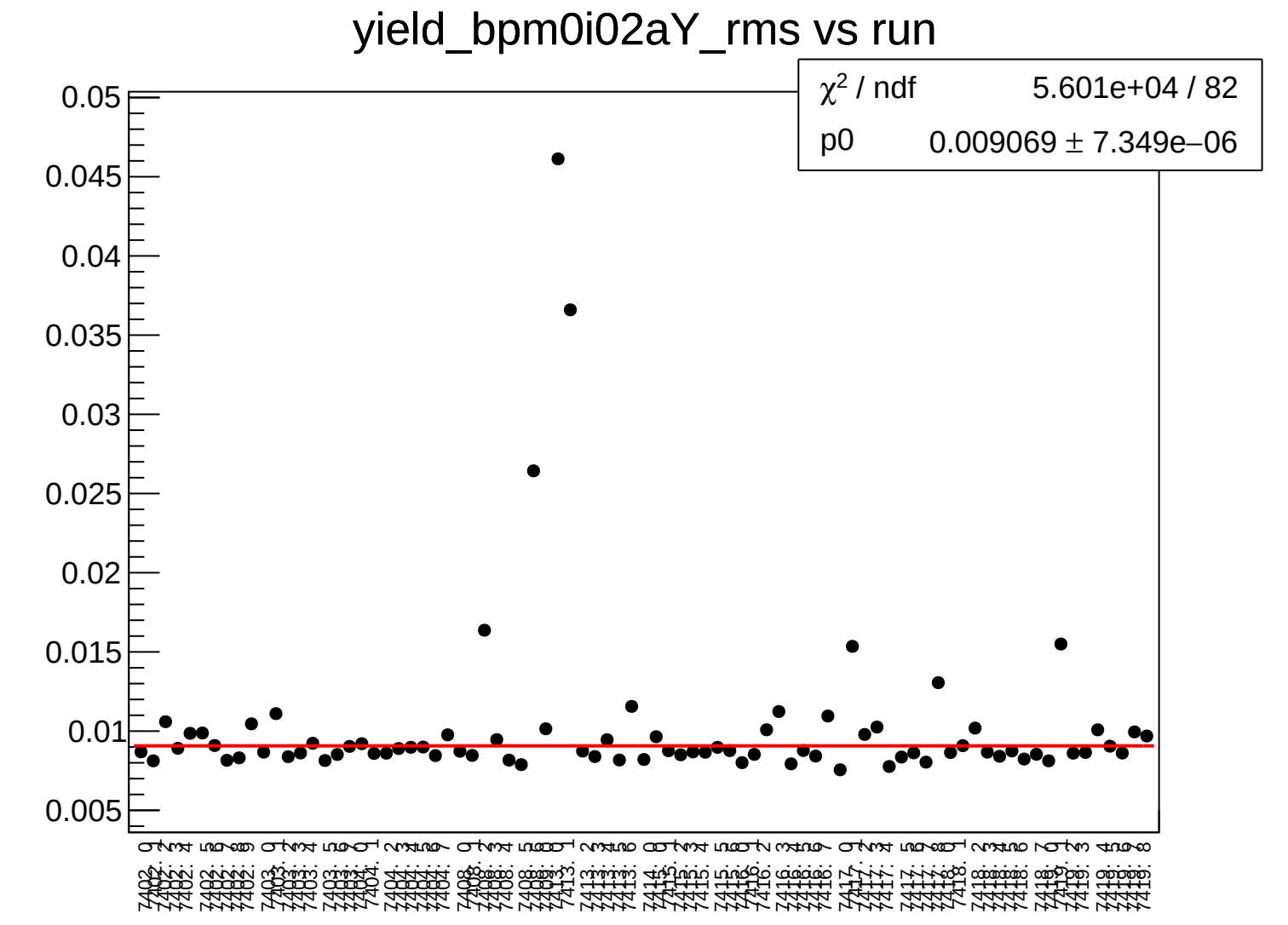

yield_bpm0i02aX_mean vs run
χ² / ndf 2.853e+06 / 82
p0 0.8658 ± 1.488e−05
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
pull
Entries 83
Mean −331.3
Std Dev 0
400
200
0
−200
−400
−600

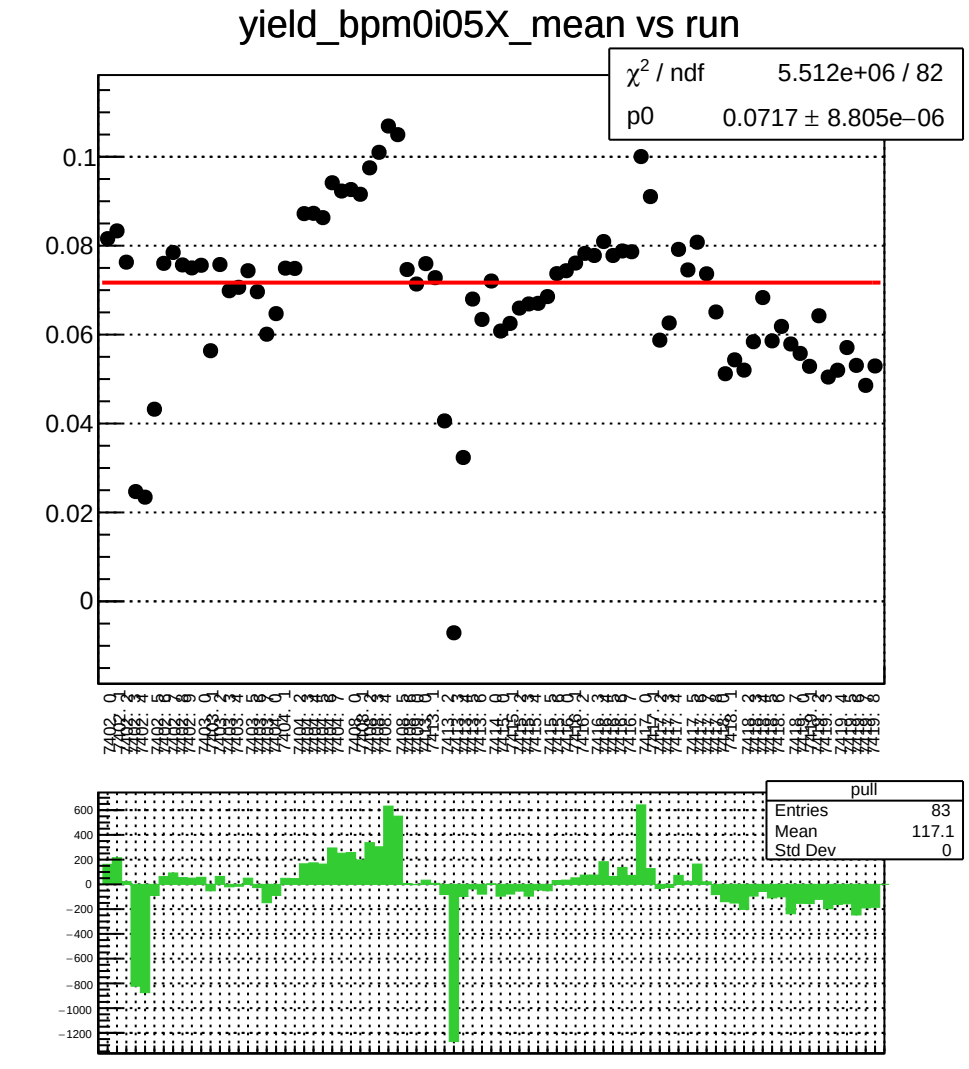

pull1D
Entries 83
Mean −2.594
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

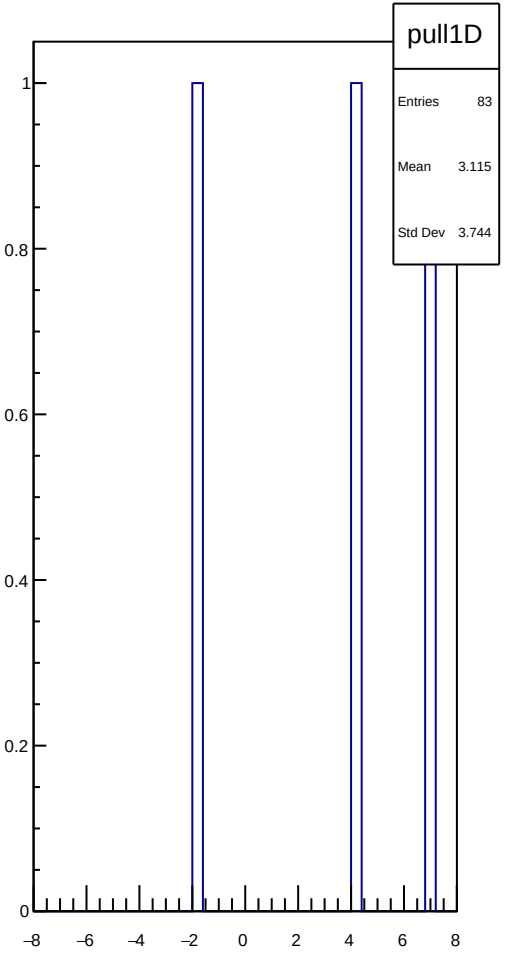

yield_bpm0i02aX_rms vs run
χ² / ndf 9.752e+04 / 82
p0 0.0128 ± 1.052e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

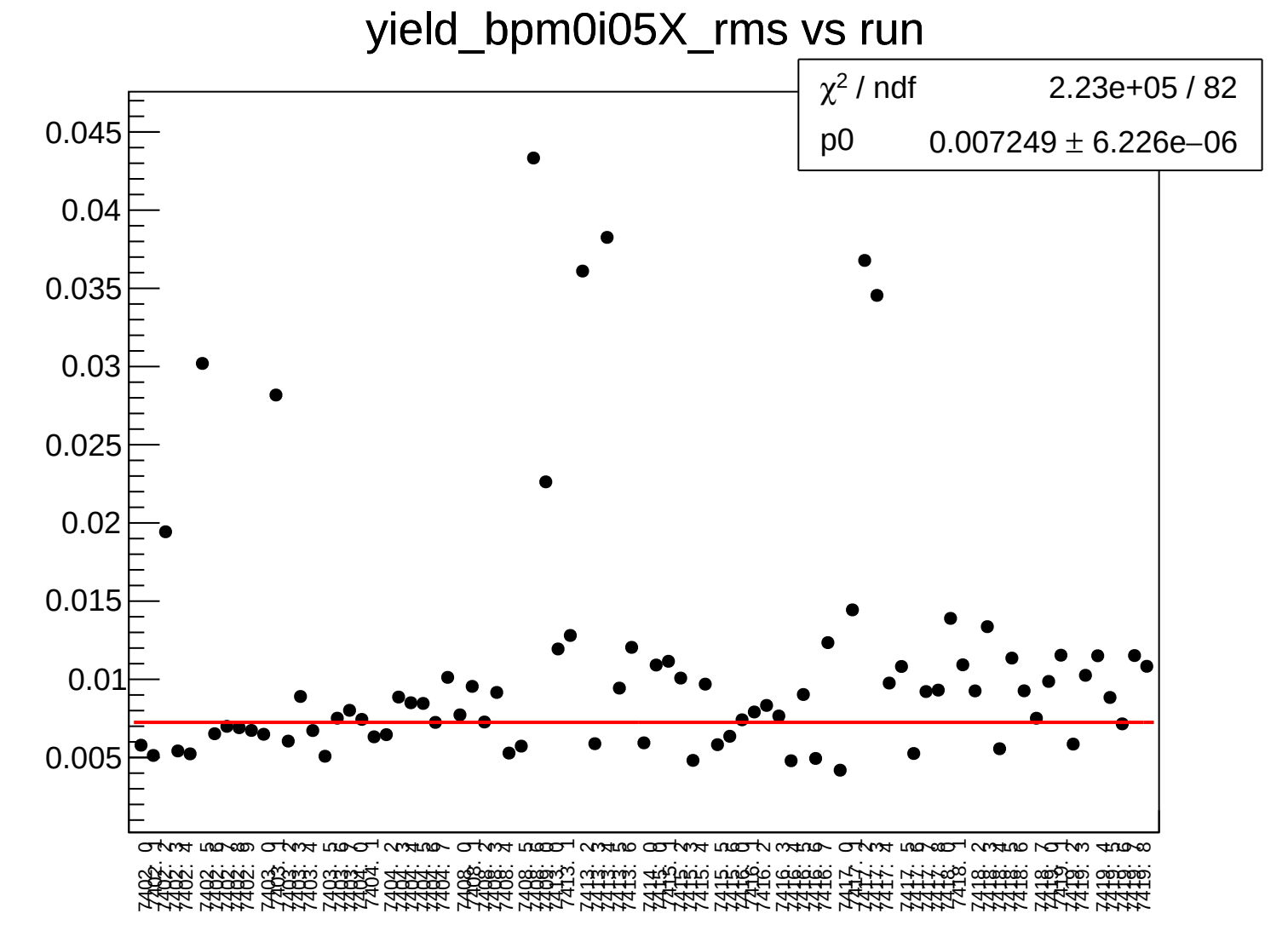

yield_bpm0i02aY_mean vs run
χ² / ndf 2.362e+06 / 82
p0 −1.169 ± 1.039e−05
−1.14
−1.16
−1.18
−1.2
−1.22
−1.24
pull
Entries 83
Mean 363.3
Std Dev 0
200
0
−200
−400
−600

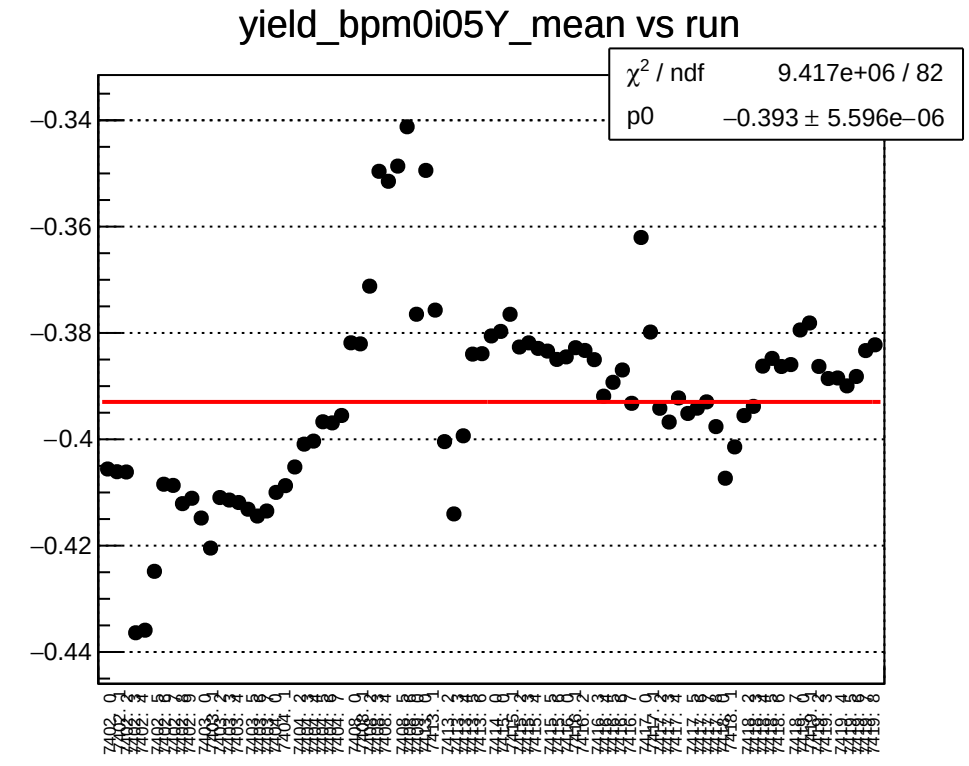

pull1D
Entries 83
Mean −5.815
Std Dev 1.672
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

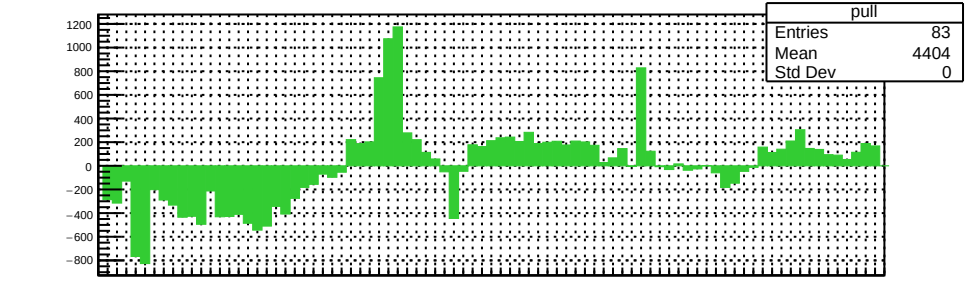

yield_bpm0i02aY_rms vs run
χ² / ndf 5.601e+04 / 82
p0 0.009069 ± 7.349e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

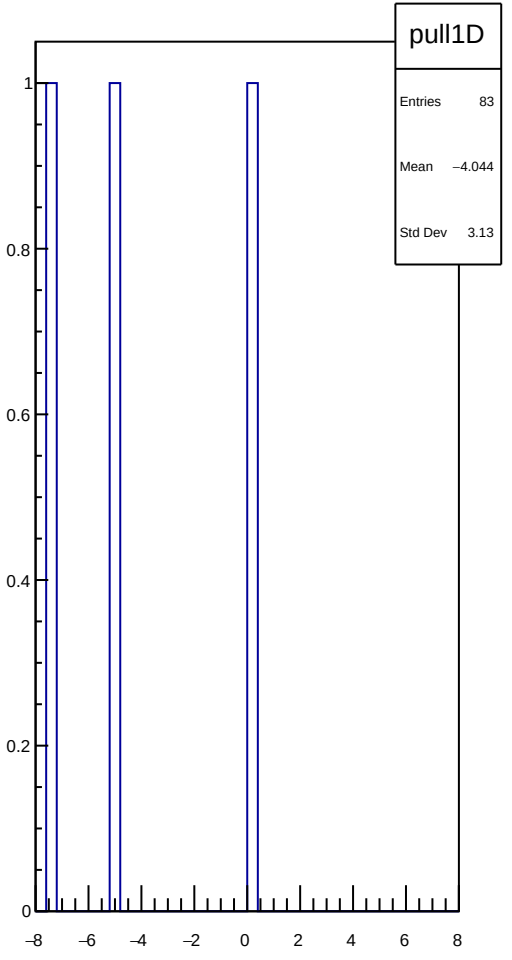

yield_bpm0i05X_mean vs run
χ² / ndf 5.512e+06 / 82
p0 0.0717 ± 8.805e−06
pull
Entries 83
Mean 117.1
Std Dev 0

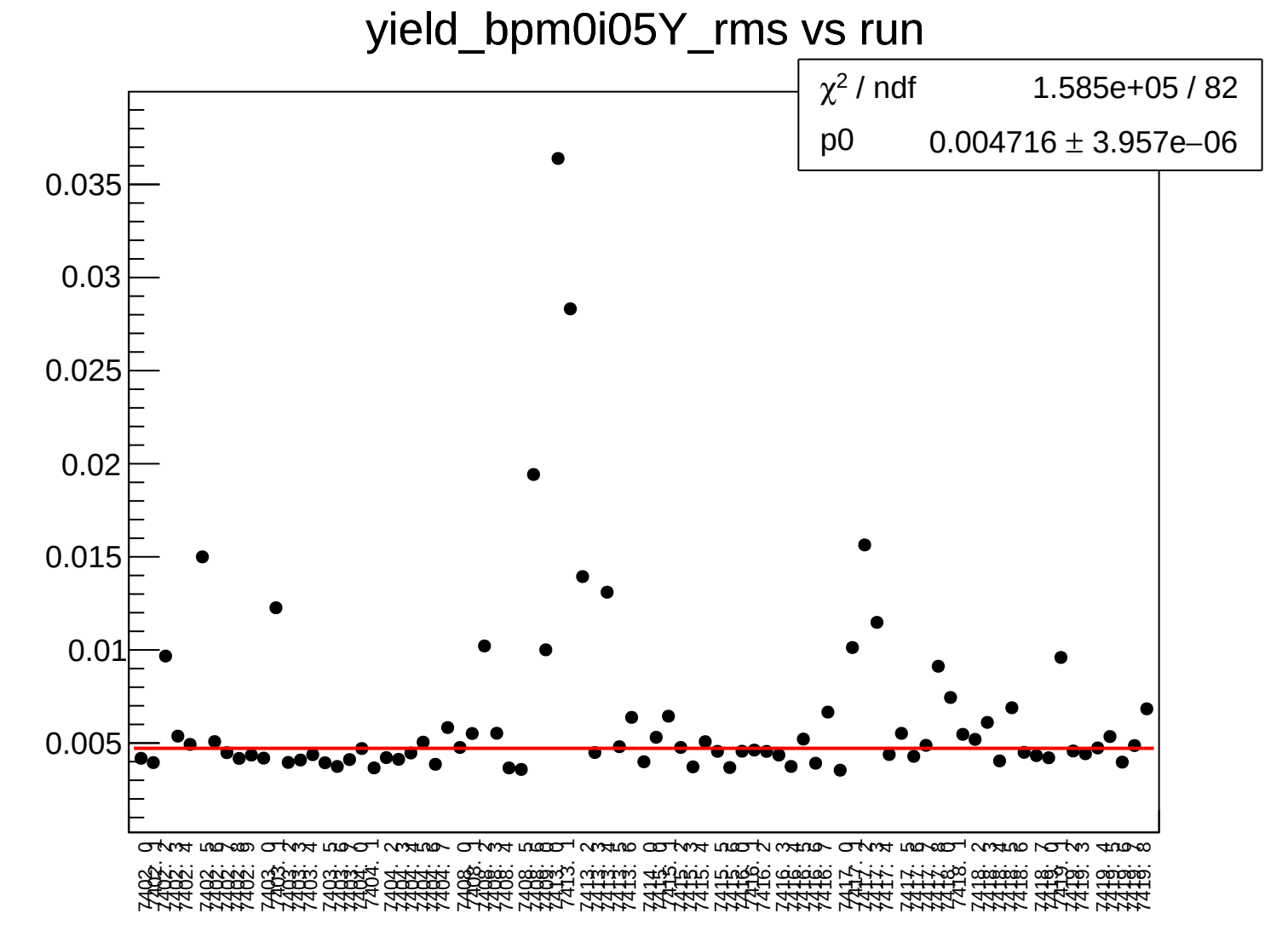

pull1D
Entries 83
Mean 3.115
Std Dev 3.744

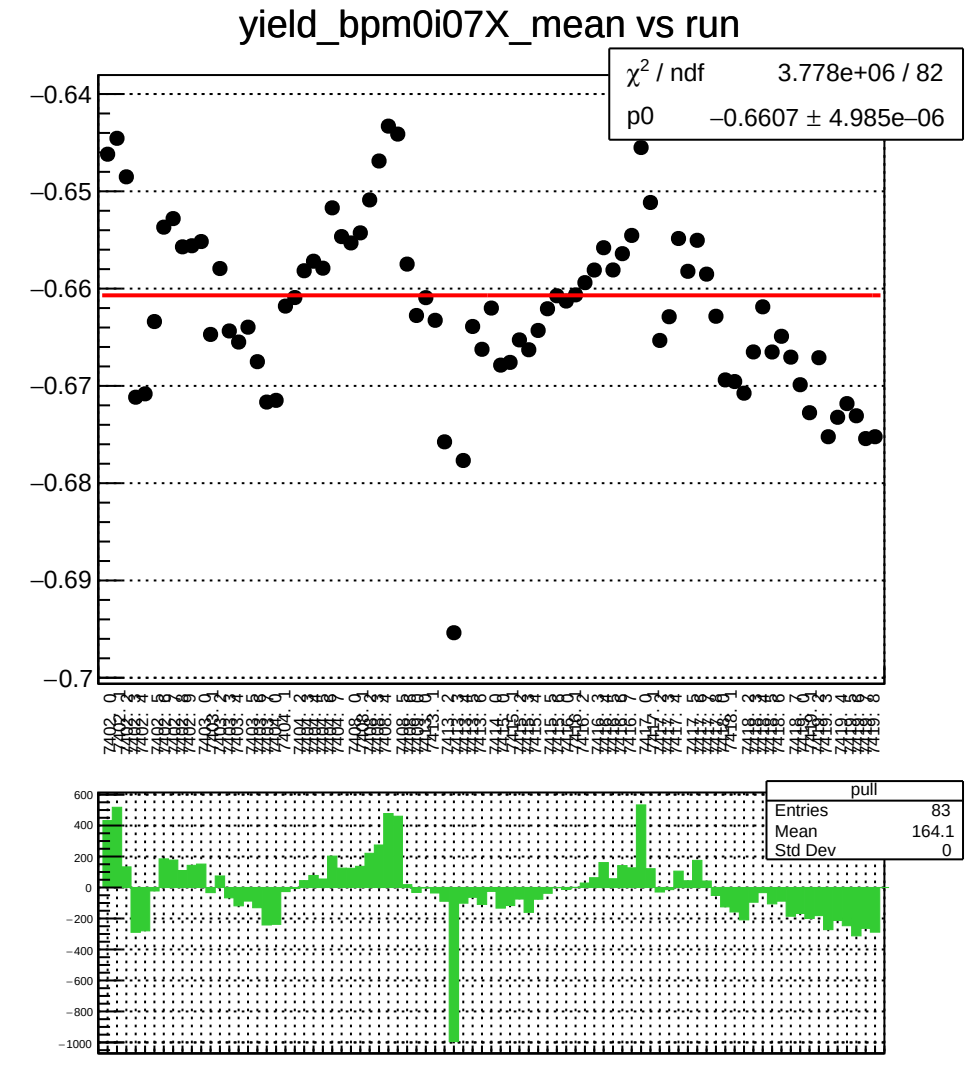

yield_bpm0i05X_rms vs run
χ^2 / ndf 2.23e+05 / 82
p0 0.007249 ± 6.226e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

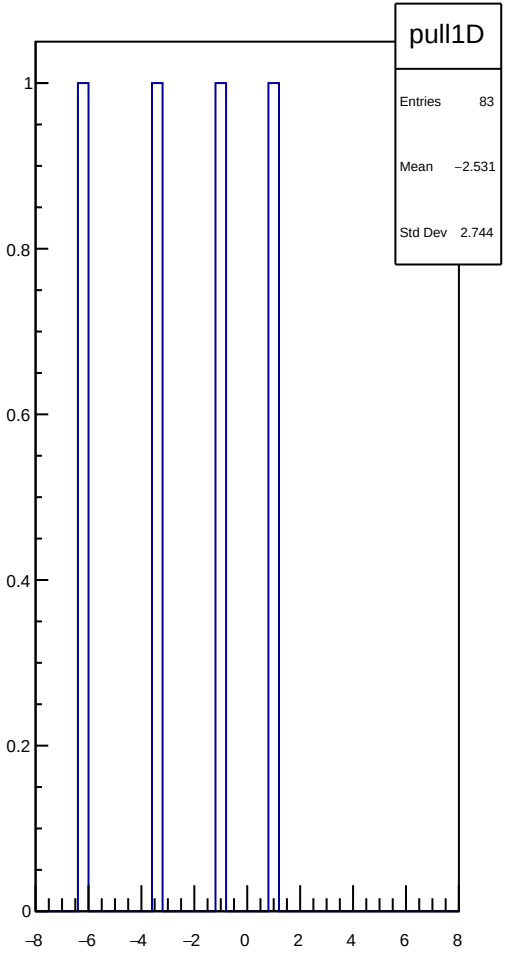

yield_bpm0i05Y_mean vs run
χ² / ndf 9.417e+06 / 82
p0 −0.393 ± 5.596e−06
−0.34
−0.36
−0.38
−0.4
−0.42
−0.44

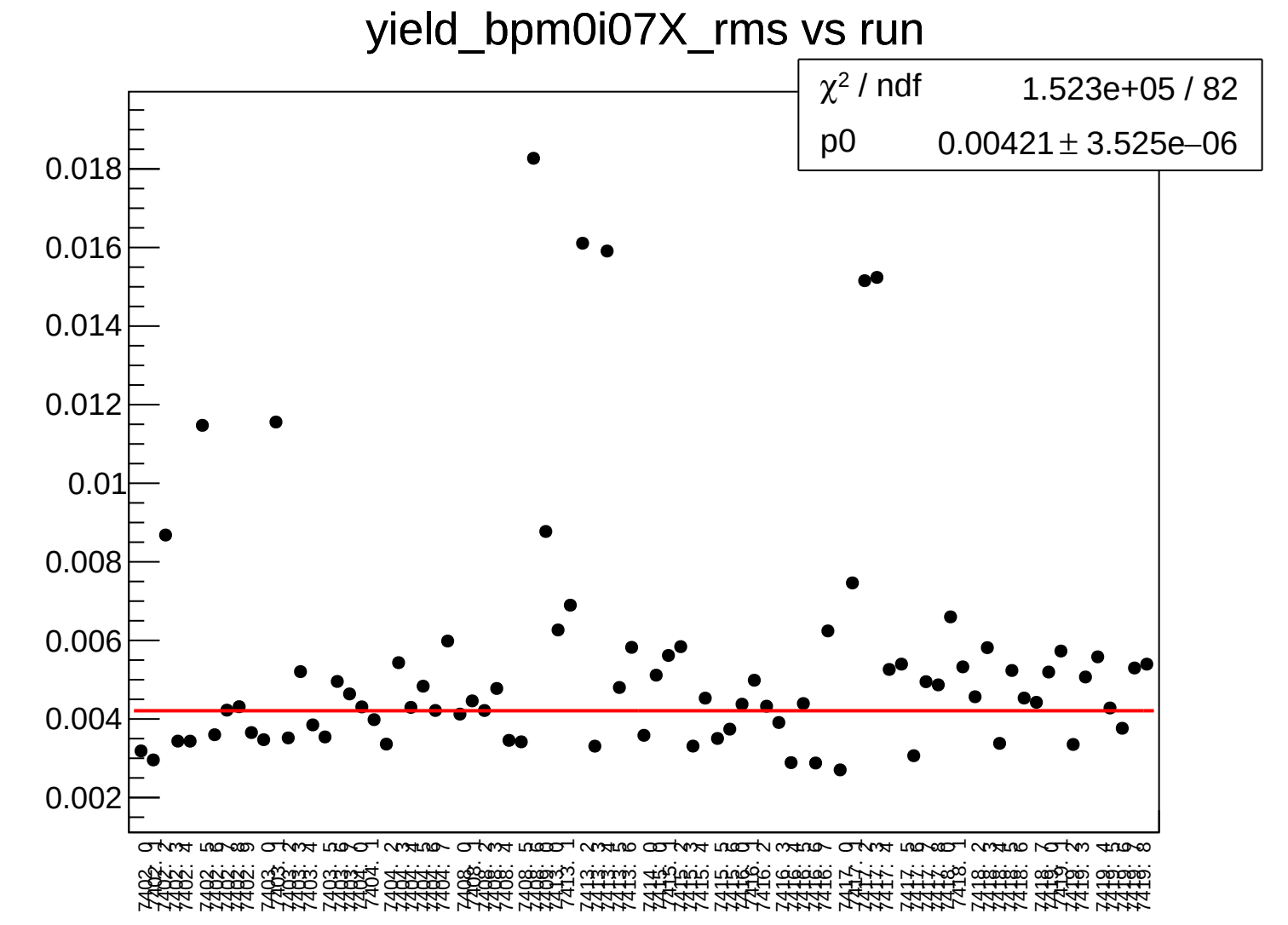

pull
Entries 83
Mean 4404
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600
−800

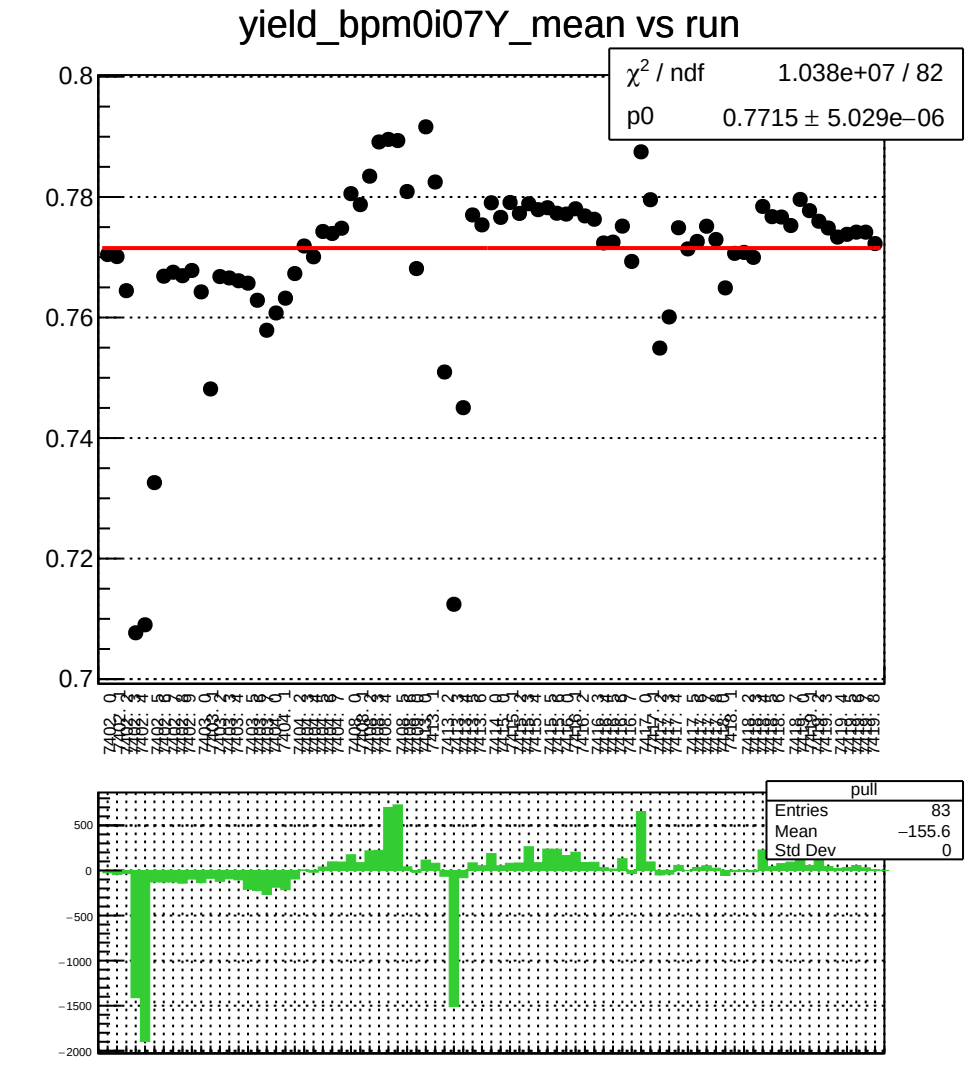

pull1D
Entries 83
Mean −4.044
Std Dev 3.13
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

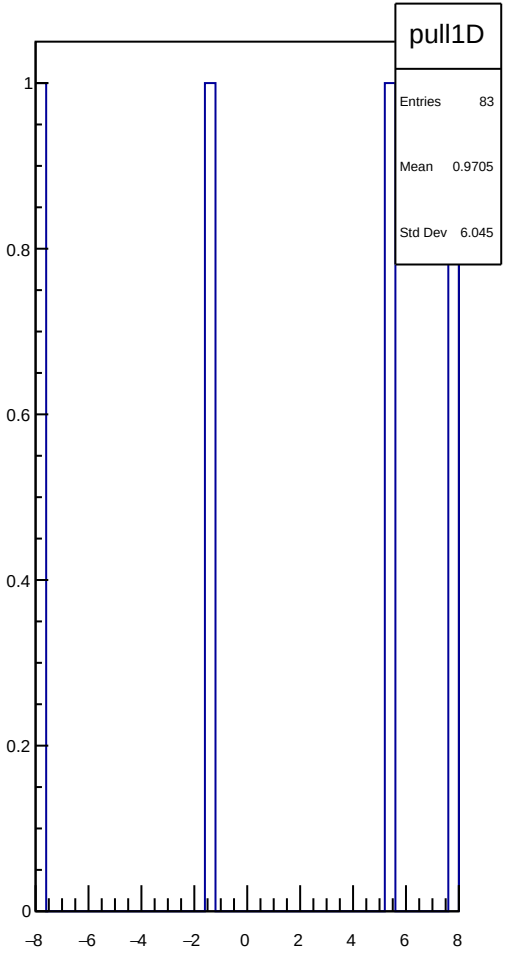

yield_bpm0i05Y_rms vs run
χ² / ndf 1.585e+05 / 82
p0 0.004716 ± 3.957e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

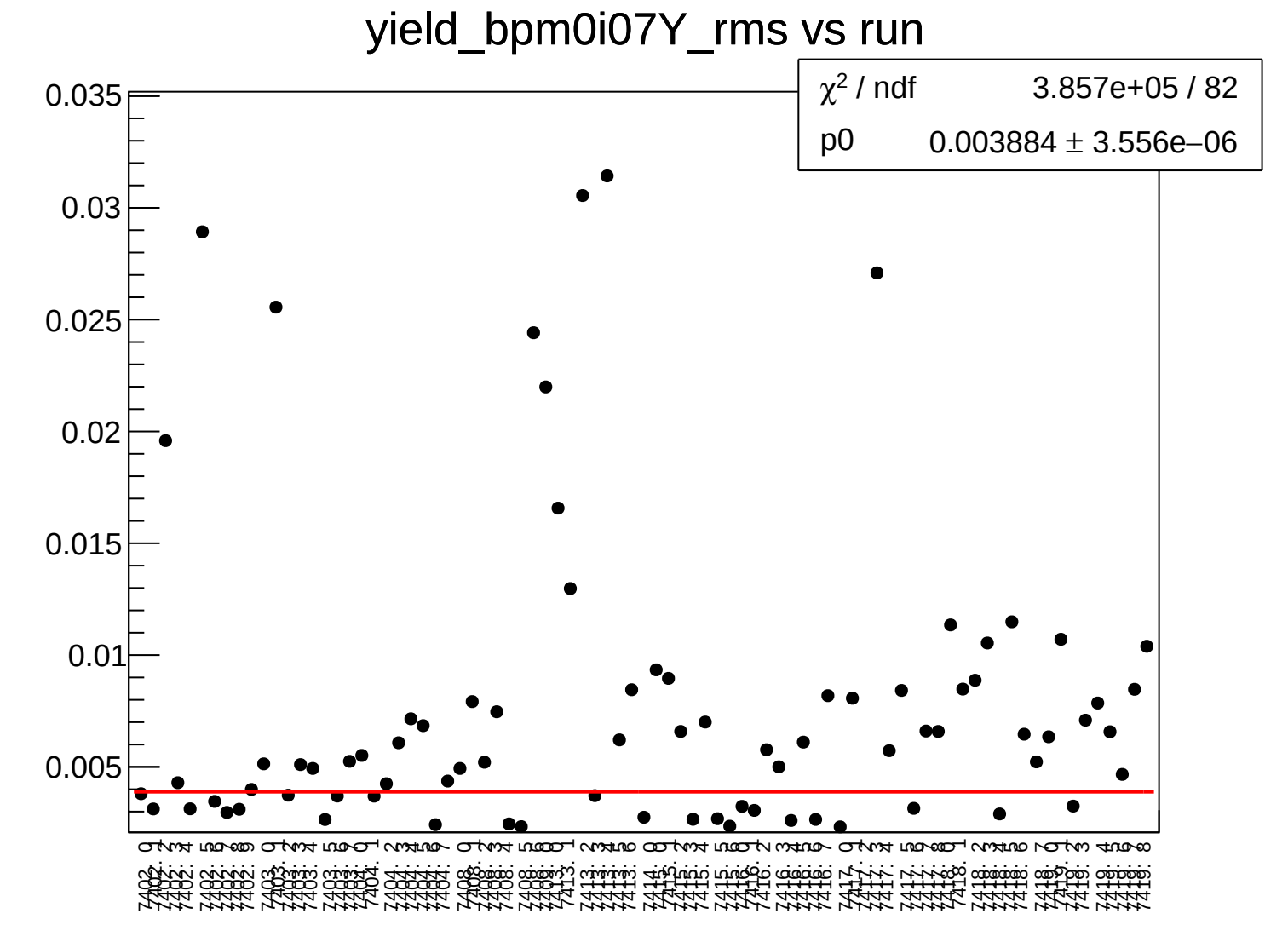

yield_bpm0i07X_mean vs run
χ² / ndf 3.778e+06 / 82
p0 −0.6607 ± 4.985e−06
−0.64
−0.65
−0.66
−0.67
−0.68
−0.69
−0.7
pull
Entries 83
Mean 164.1
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000

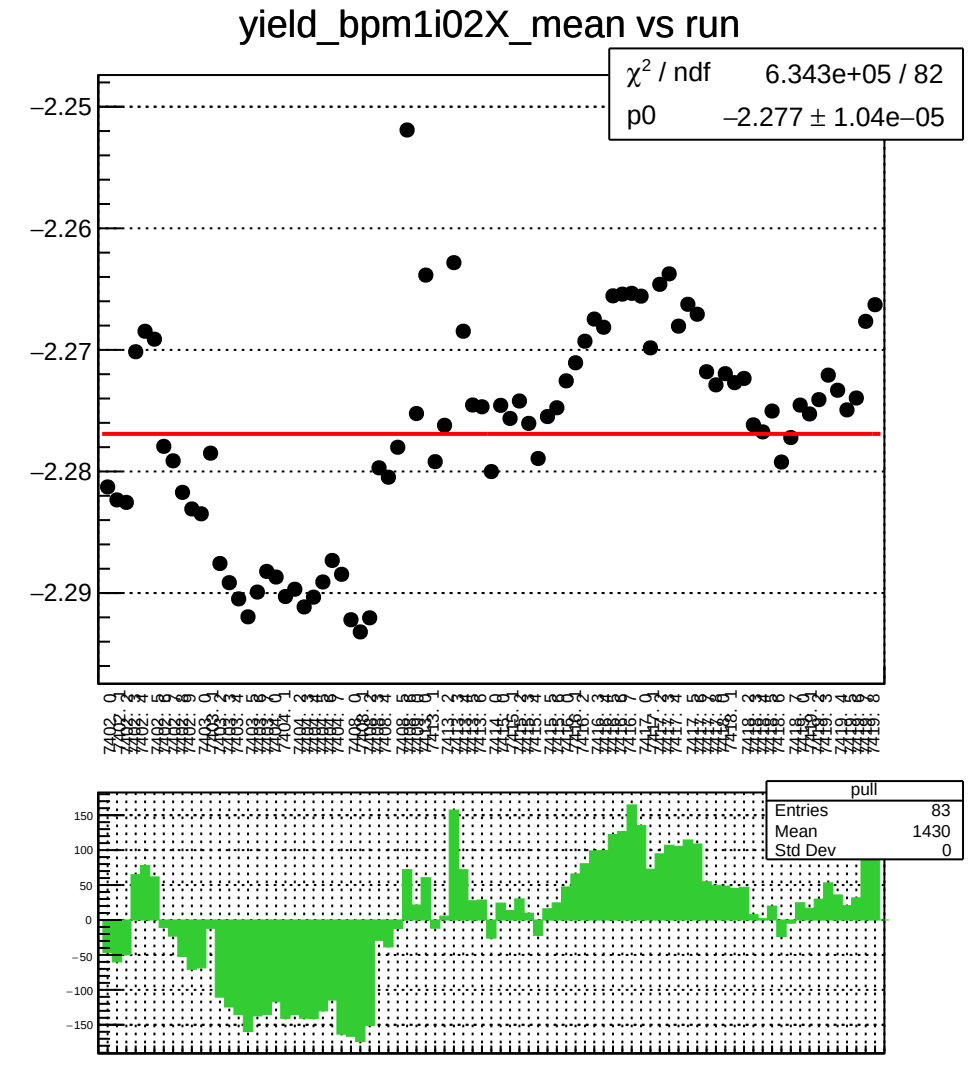

pull1D
Entries 83
Mean −2.531
Std Dev 2.744
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

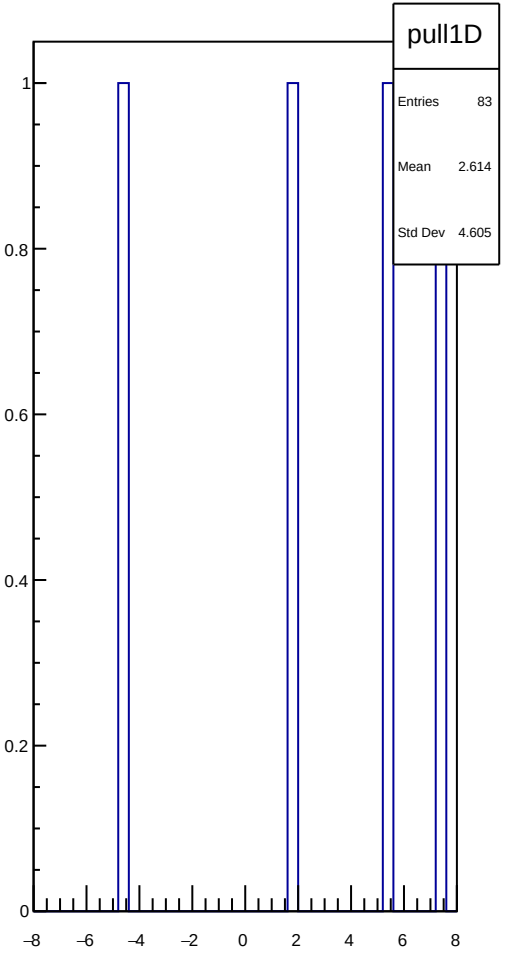

yield_bpm0i07X_rms vs run
χ² / ndf 1.523e+05 / 82
p0 0.00421 ± 3.525e–06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

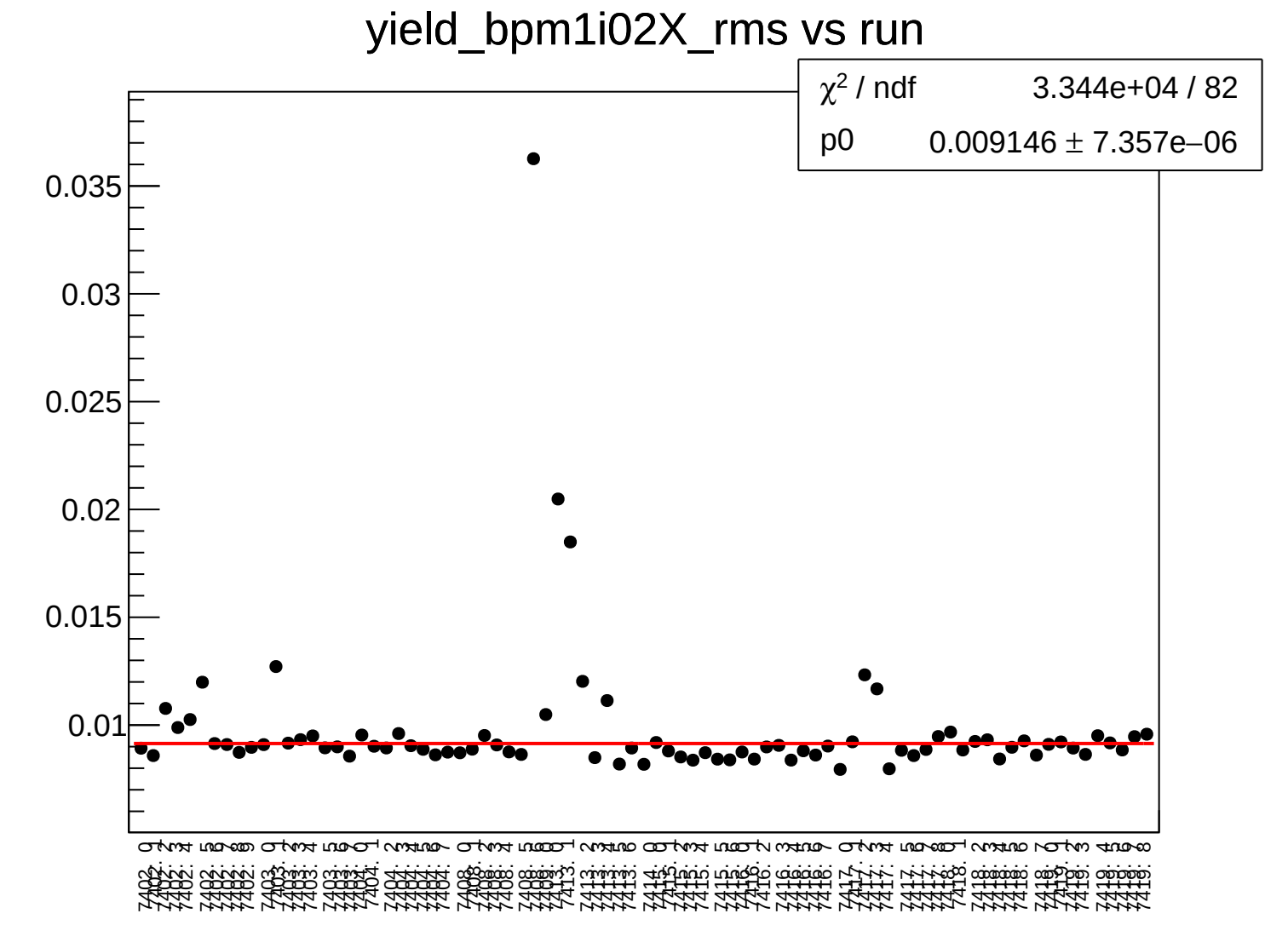

yield_bpm0i07Y_mean vs run
χ² / ndf 1.038e+07 / 82
p0 0.7715 ± 5.029e−06
0.8
0.78
0.76
0.74
0.72
0.7
pull
Entries 83
Mean −155.6
Std Dev 0
500
0
−500
−1000
−1500
−2000

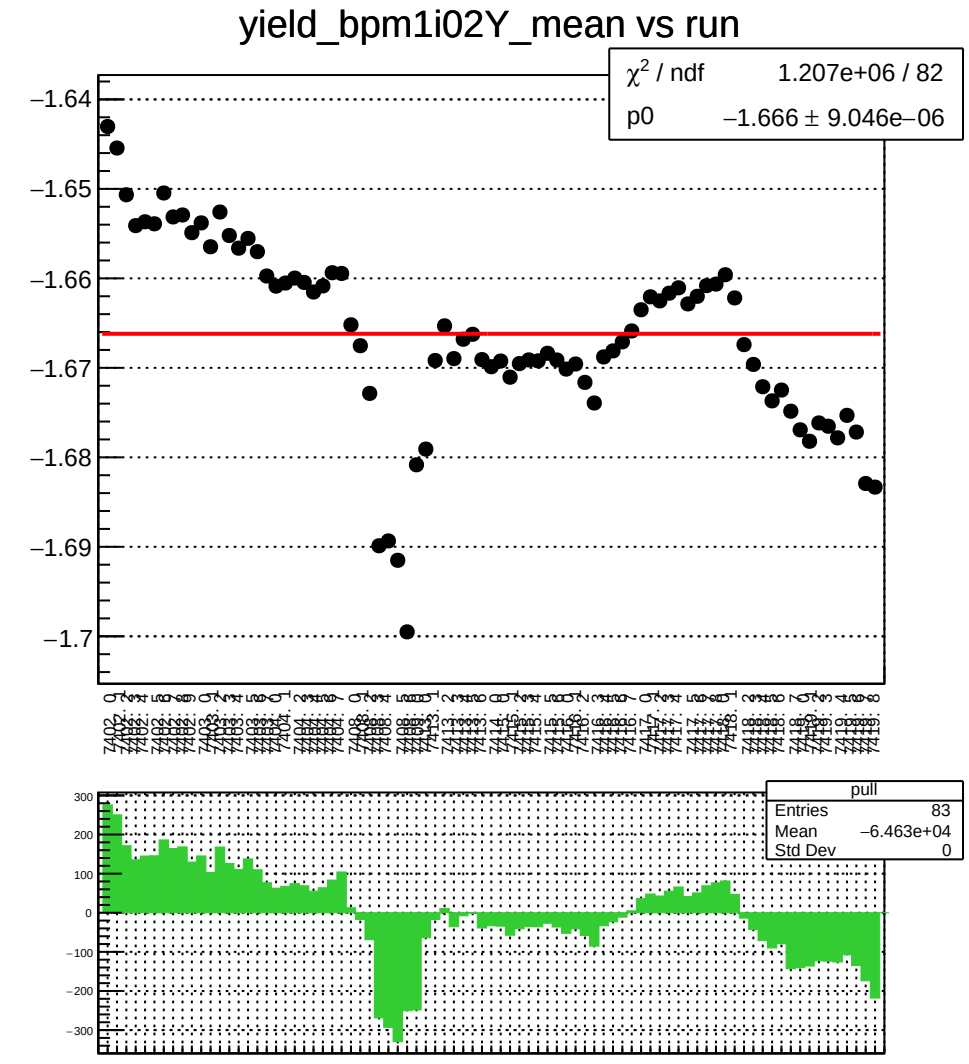

pull1D
Entries 83
Mean 0.9705
Std Dev 6.045
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

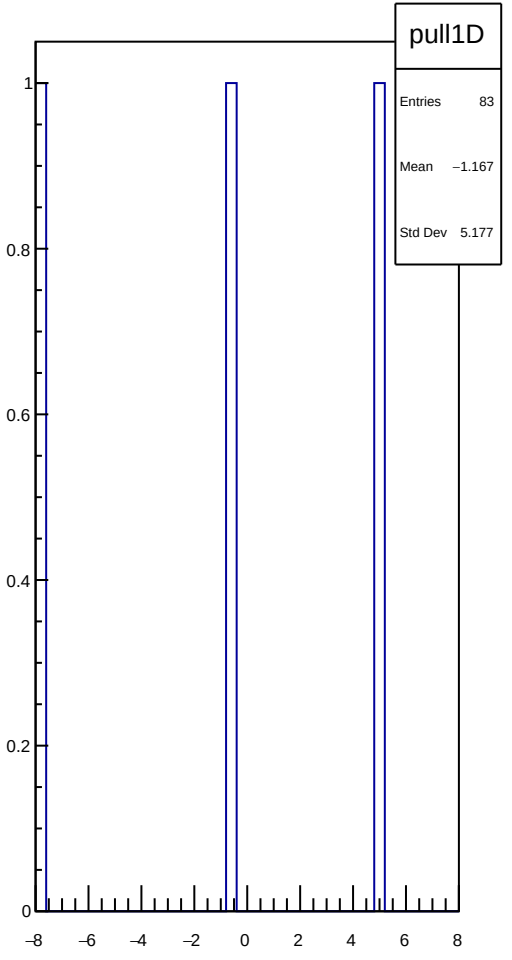

yield_bpm0i07Y_rms vs run
χ² / ndf 3.857e+05 / 82
p0 0.003884 ± 3.556e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

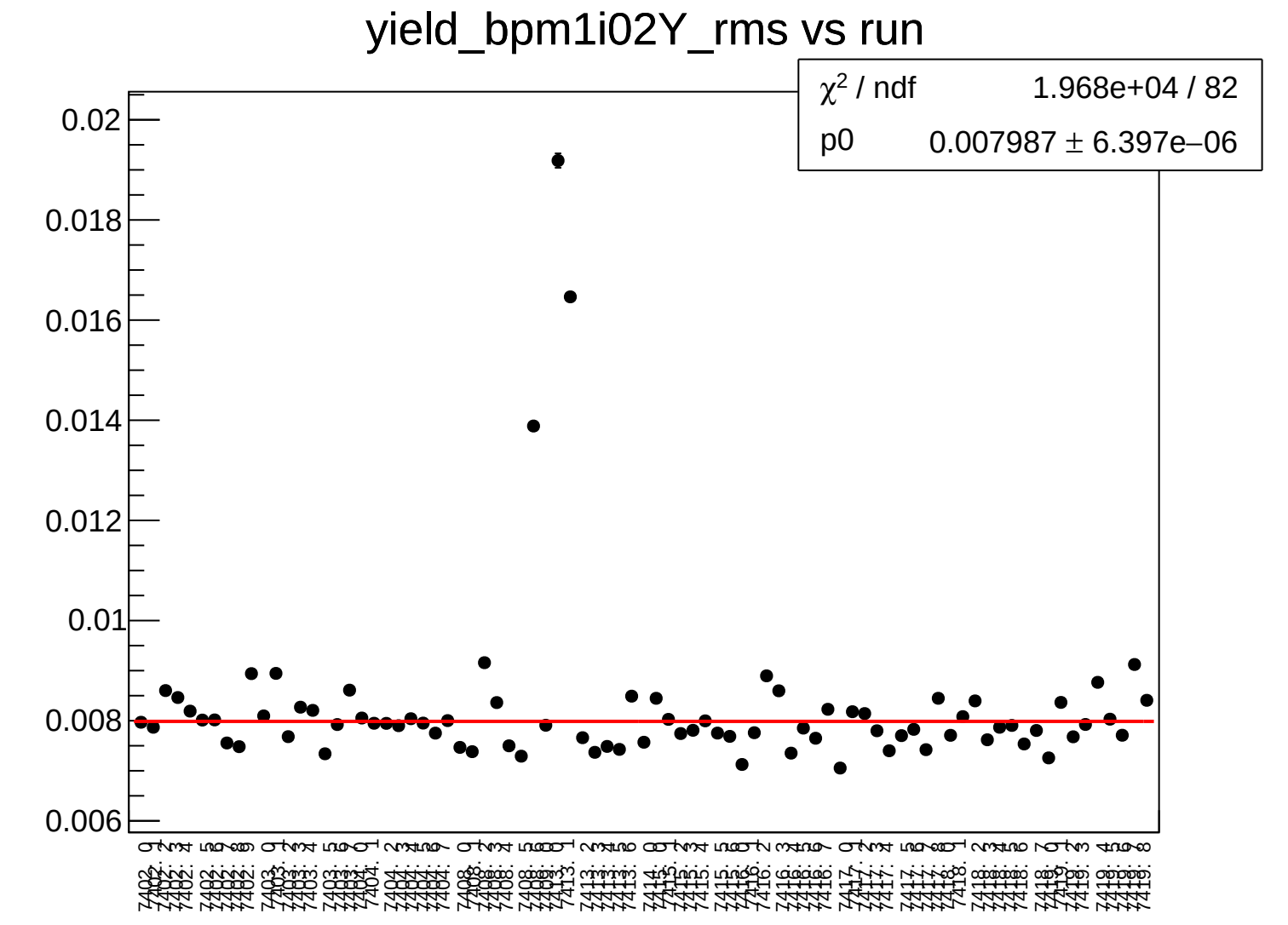

yield_bpm1i02X_mean vs run
χ² / ndf 6.343e+05 / 82
p0 −2.277 ± 1.04e−05
−2.25
−2.26
−2.27
−2.28
−2.29
pull
Entries 83
Mean 1430
Std Dev 0
150
100
50
0
−50
−100
−150

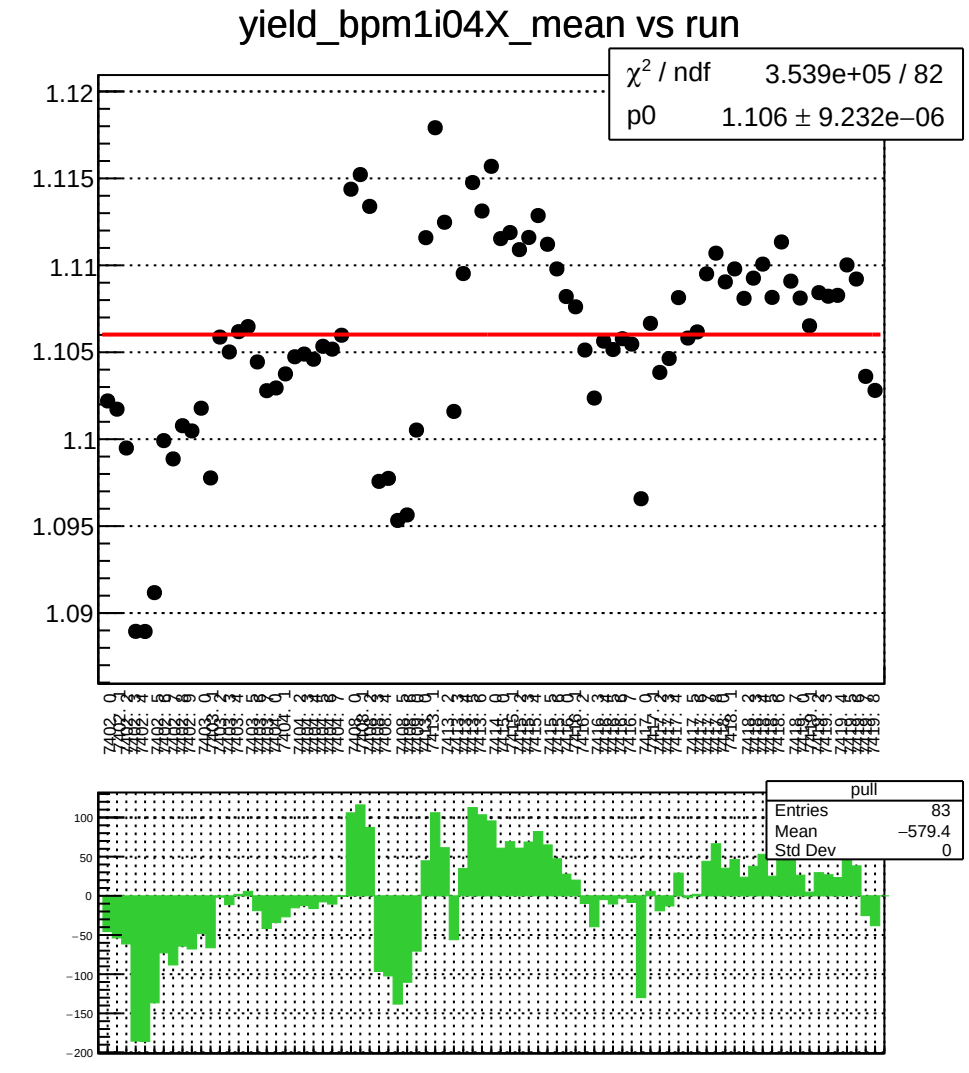

pull1D
Entries 83
Mean 2.614
Std Dev 4.605
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

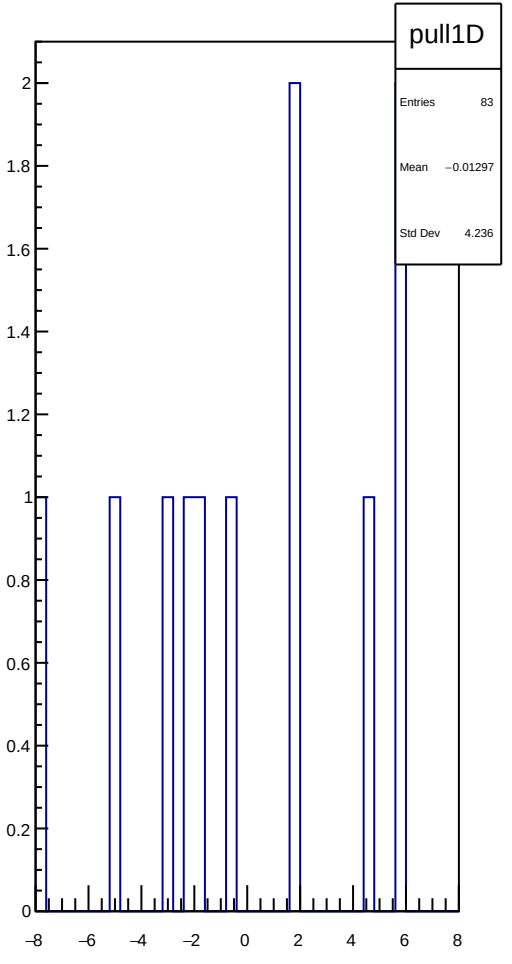

yield_bpm1i02X_rms vs run
χ² / ndf 3.344e+04 / 82
p0 0.009146 ± 7.357e−06
0.035
0.03
0.025
0.02
0.015
0.01

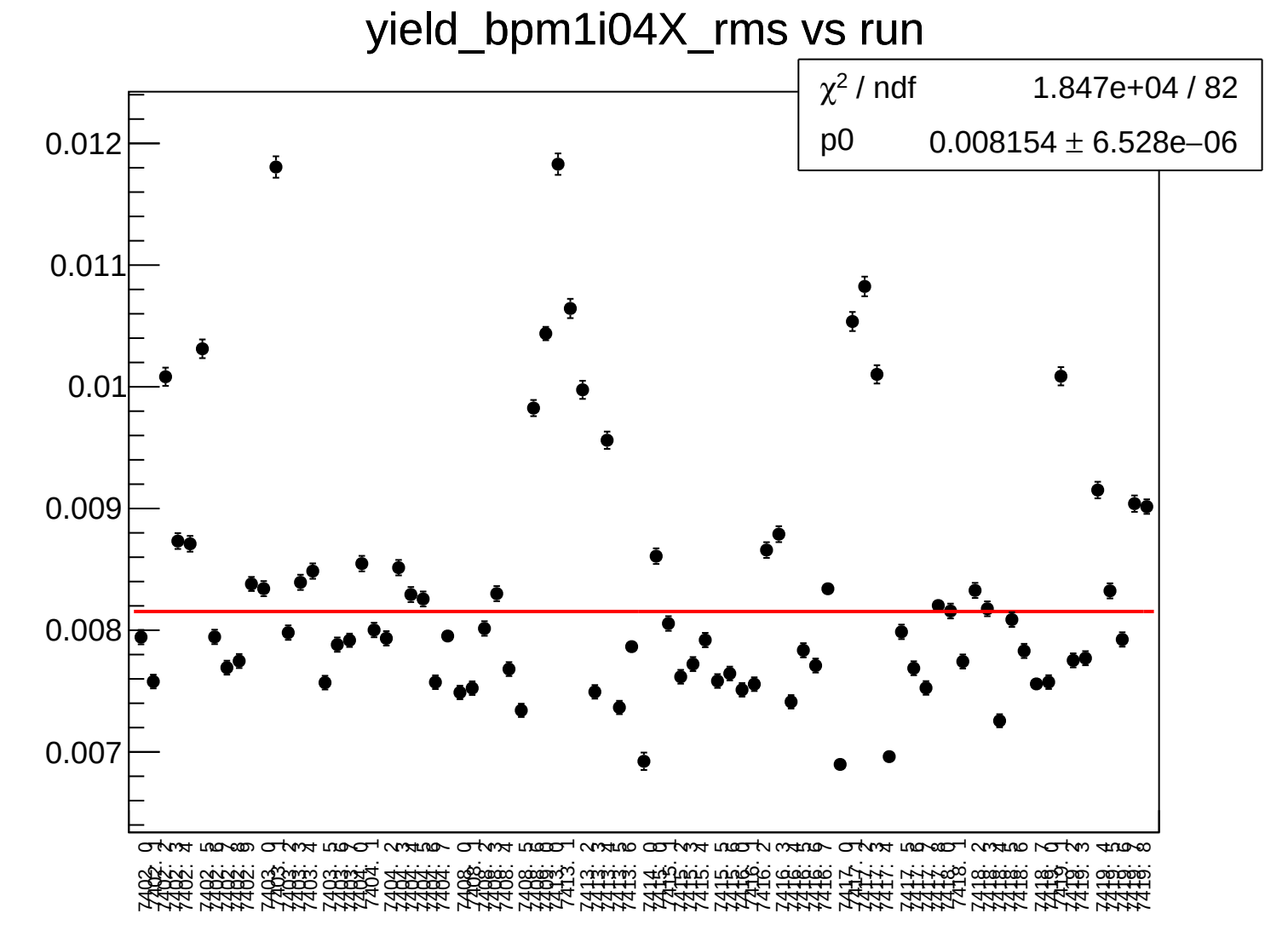

yield_bpm1i02Y_mean vs run
χ² / ndf 1.207e+06 / 82
p0 −1.666 ± 9.046e−06
−1.64
−1.65
−1.66
−1.67
−1.68
−1.69
−1.7
pull
Entries 83
Mean −6.463e+04
Std Dev 0
300
200
100
0
−100
−200
−300

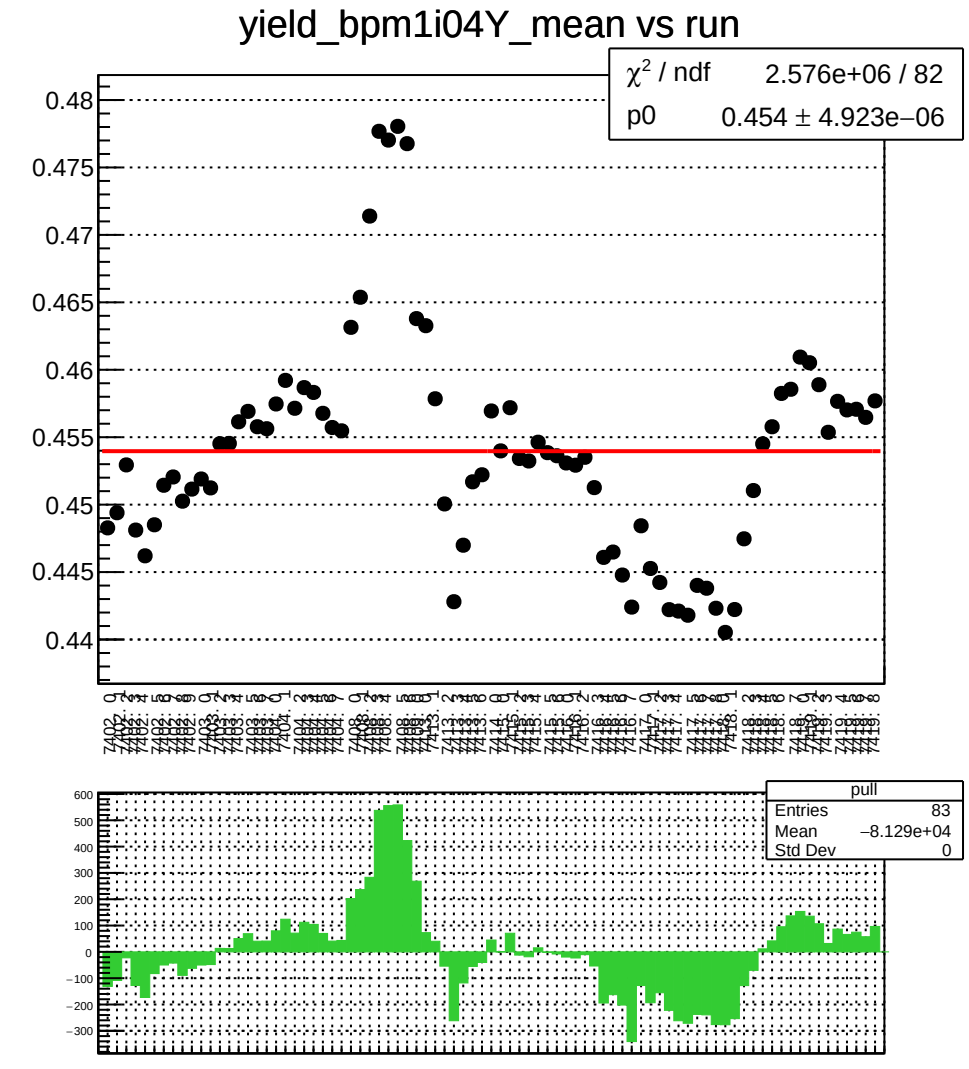

pull1D
Entries 83
Mean −1.167
Std Dev 5.177
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

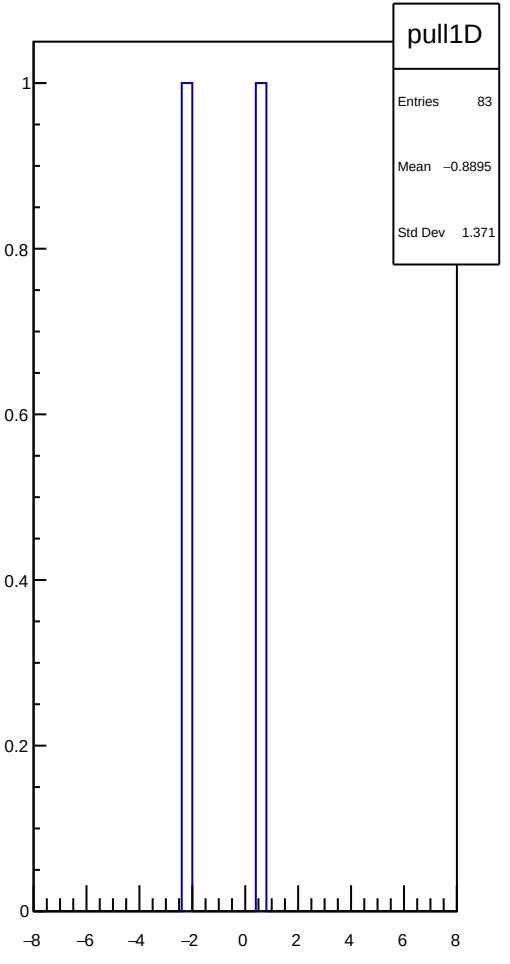

yield_bpm1i02Y_rms vs run
χ^2 / ndf 1.968e+04 / 82
p0 0.007987 ± 6.397e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

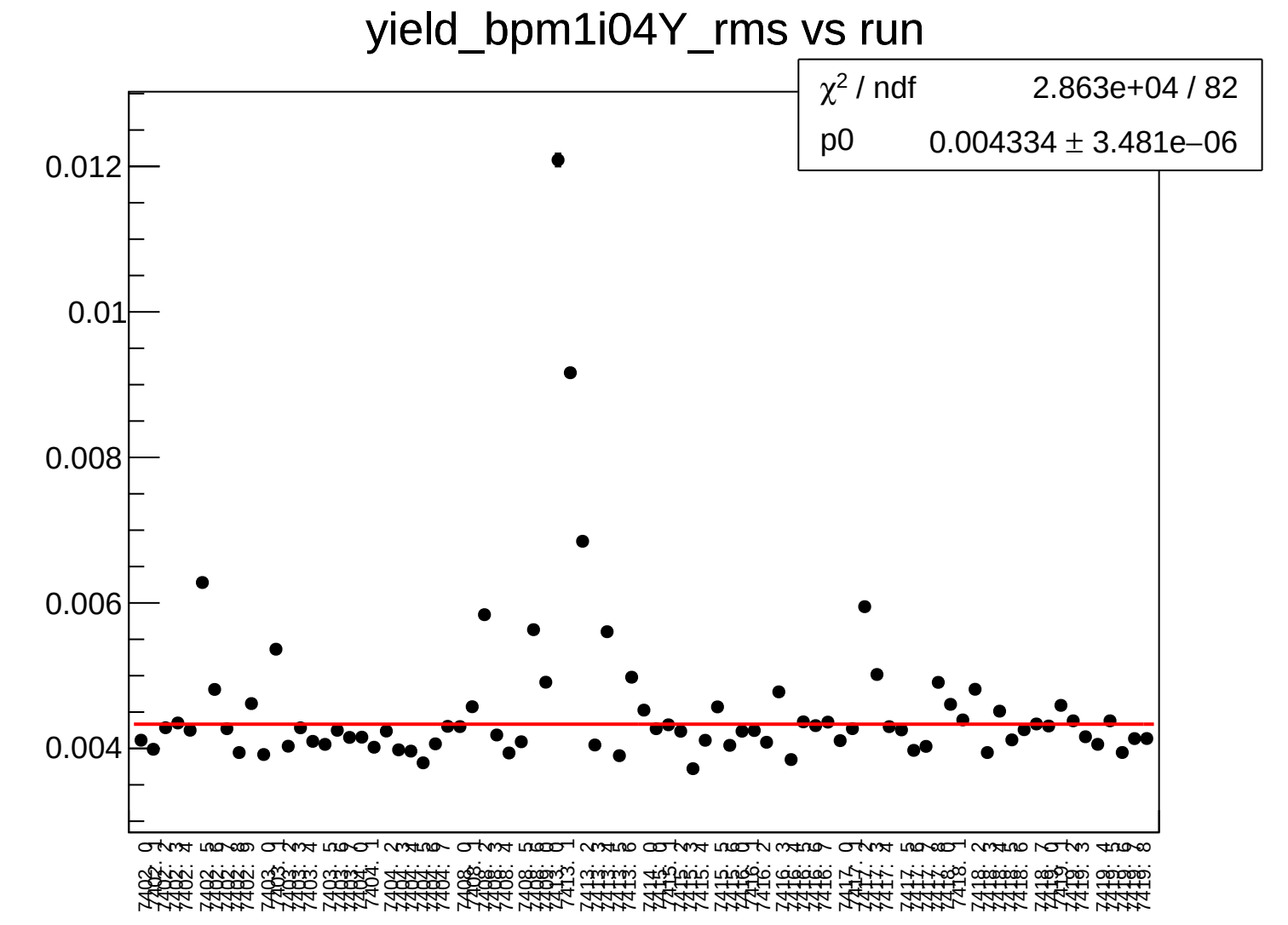

yield_bpm1i04X_mean vs run
χ² / ndf 3.539e+05 / 82
p0 1.106 ± 9.232e−06
1.12
1.115
1.11
1.105
1.1
1.095
1.09
pull
Entries 83
Mean −579.4
Std Dev 0
100
50
0
−50
−100
−150
−200

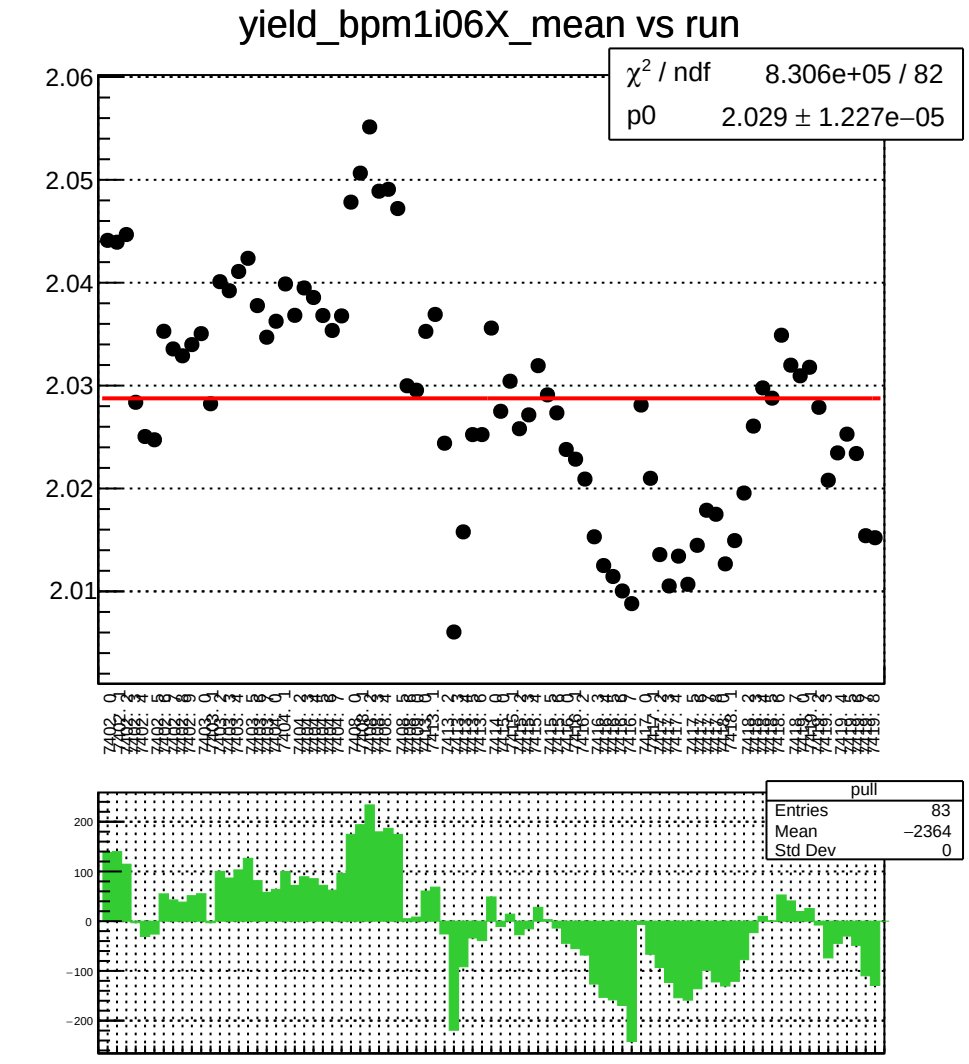

pull1D
Entries 83
Mean −0.01297
Std Dev 4.236
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

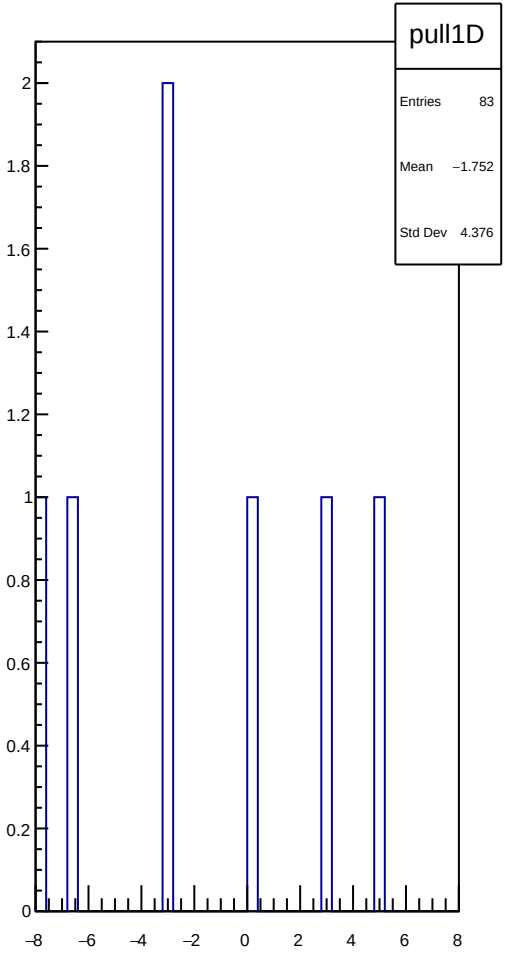

yield_bpm1i04X_rms vs run
χ² / ndf 1.847e+04 / 82
p0 0.008154 ± 6.528e−06
0.012
0.011
0.01
0.009
0.008
0.007

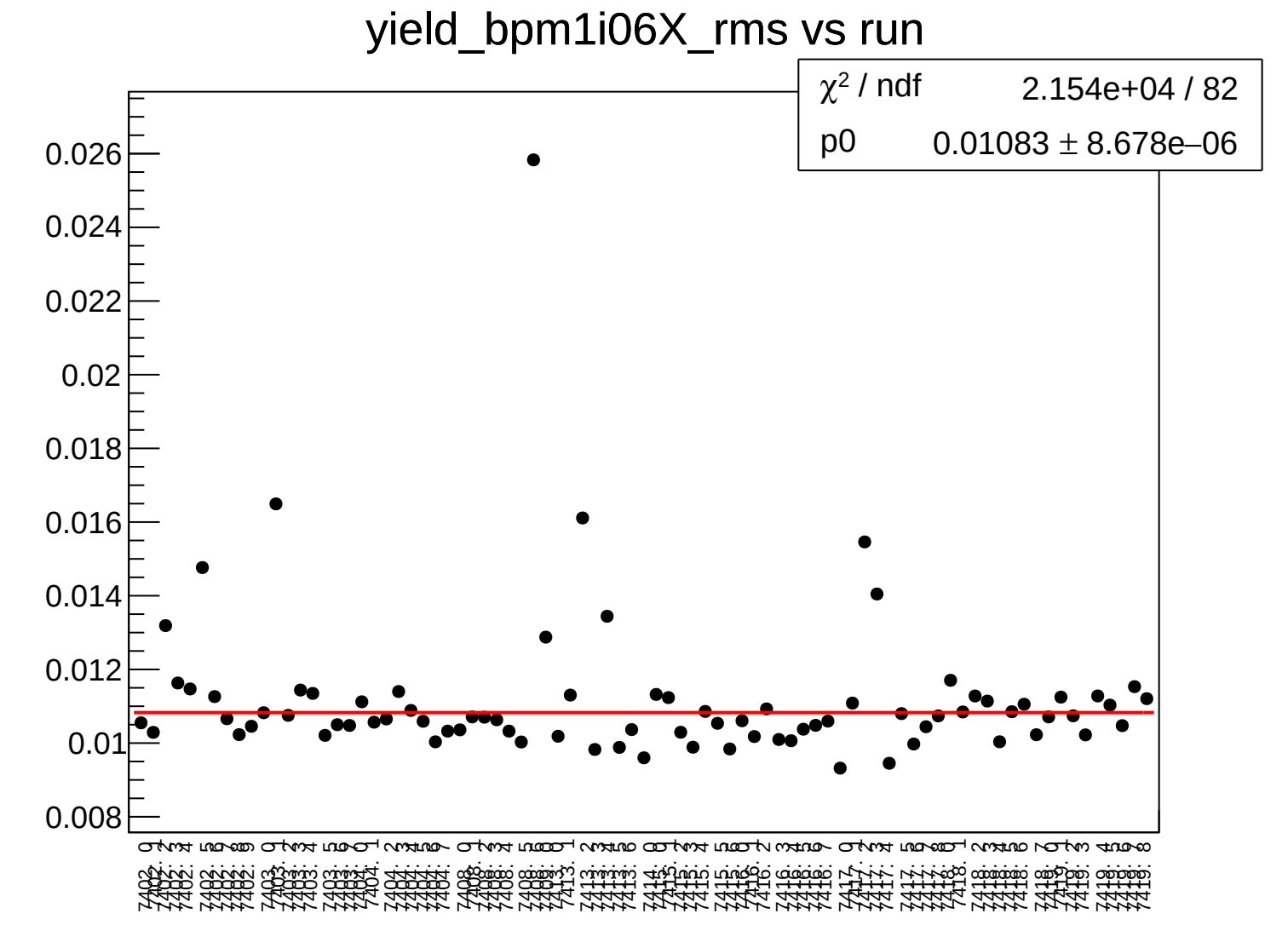

yield_bpm1i04Y_mean vs run
χ² / ndf 2.576e+06 / 82
p0 0.454 ± 4.923e−06
0.48
0.475
0.47
0.465
0.46
0.455
0.45
0.445
0.44
pull
Entries 83
Mean −8.129e+04
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

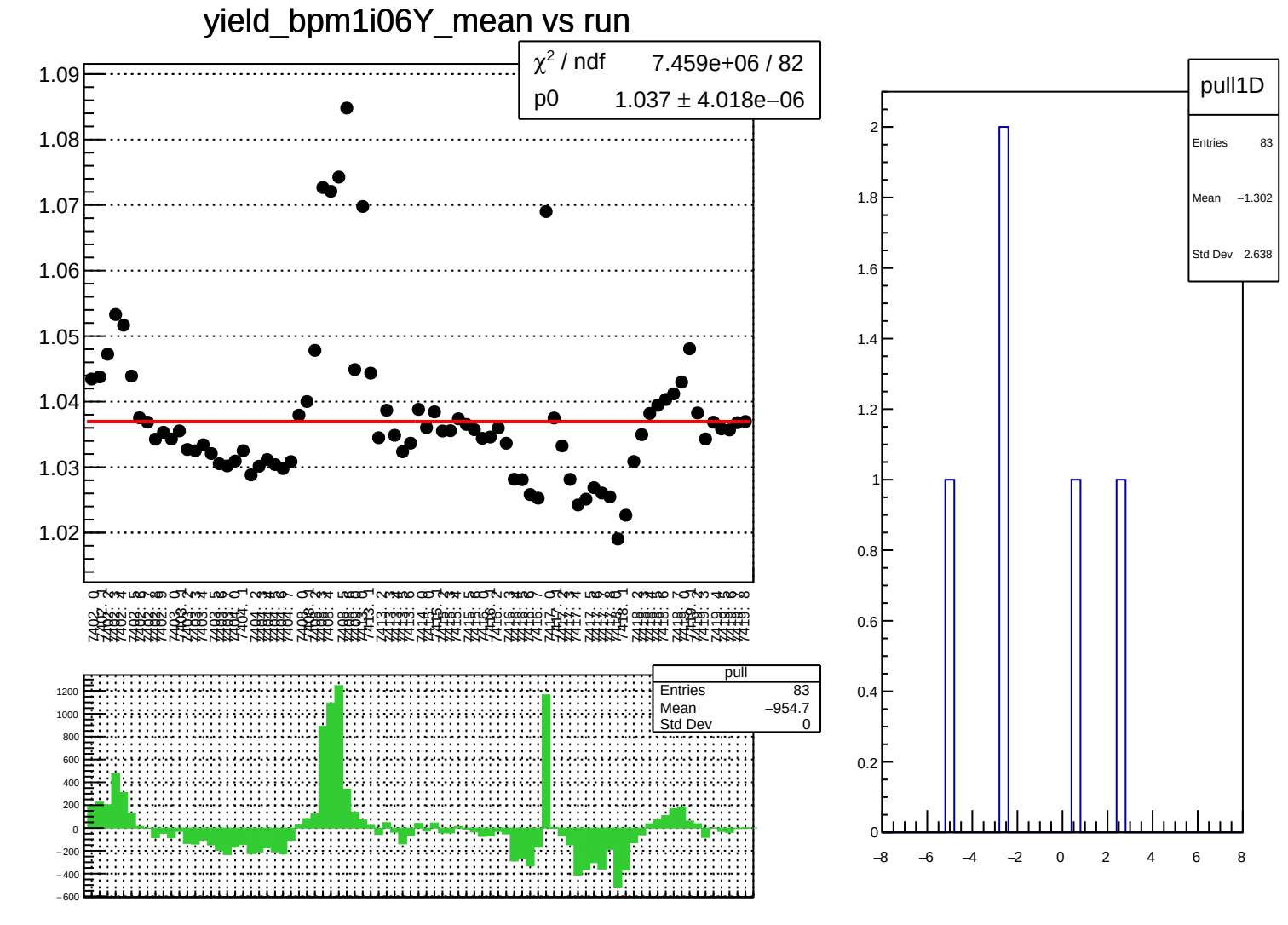

pull1D
Entries 83
Mean −0.8895
Std Dev 1.371
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

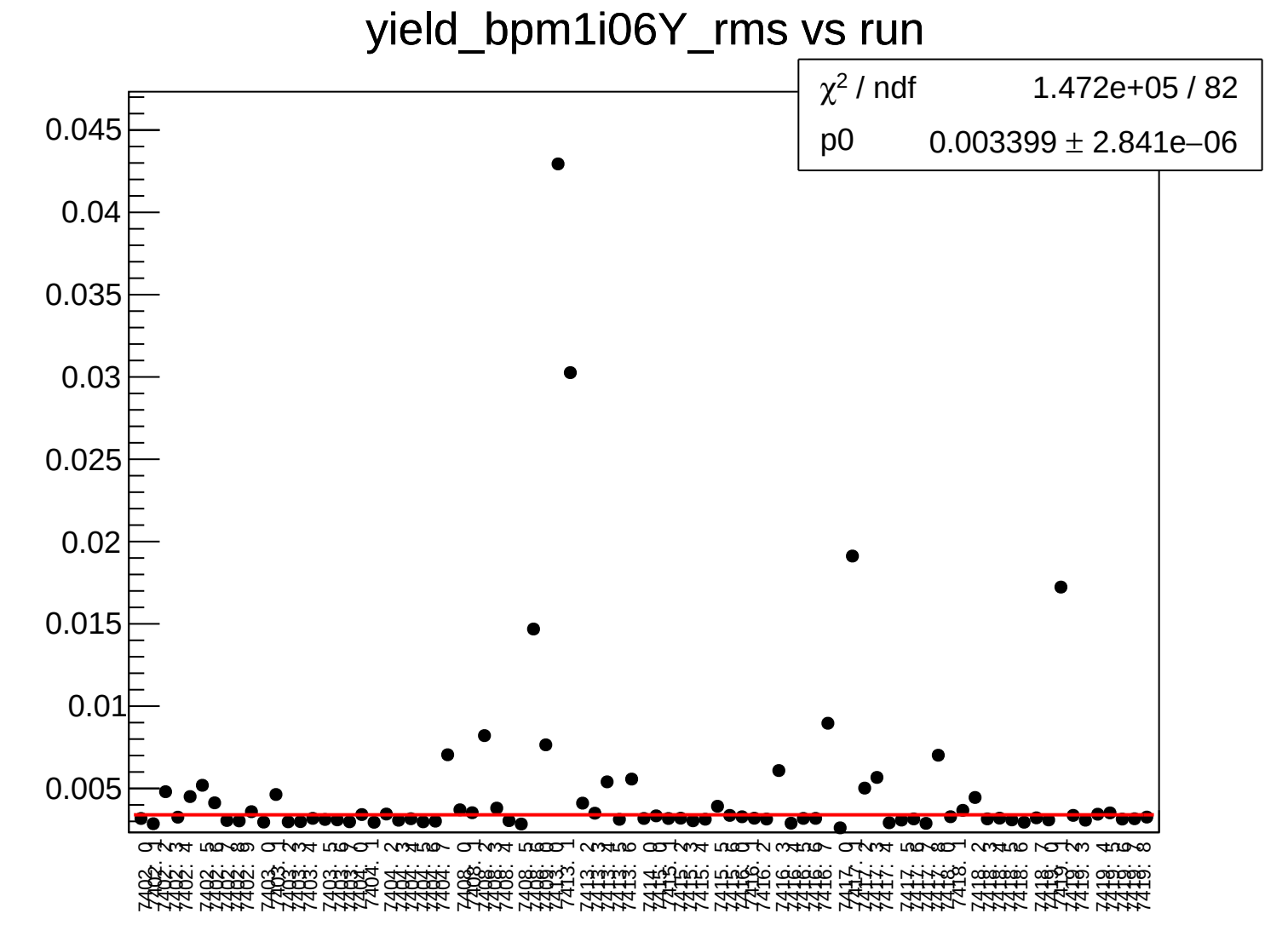

yield_bpm1i04Y_rms vs run
χ^2 / ndf 2.863e+04 / 82
p0 0.004334 ± 3.481e−06
0.012
0.01
0.008
0.006
0.004

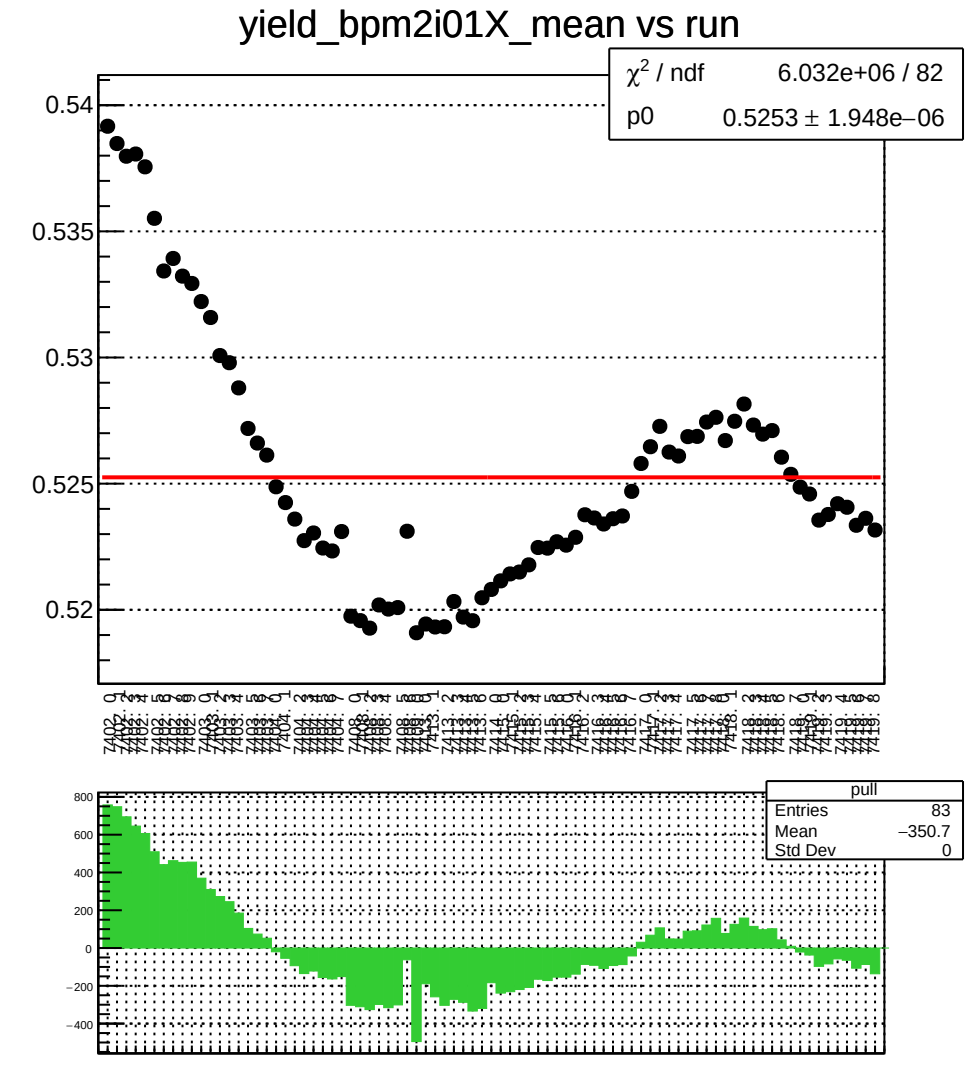

yield_bpm1i06X_mean vs run
χ² / ndf 8.306e+05 / 82
p0 2.029 ± 1.227e−05
2.06
2.05
2.04
2.03
2.02
2.01
pull
Entries 83
Mean −2364
Std Dev 0
200
100
0
−100
−200

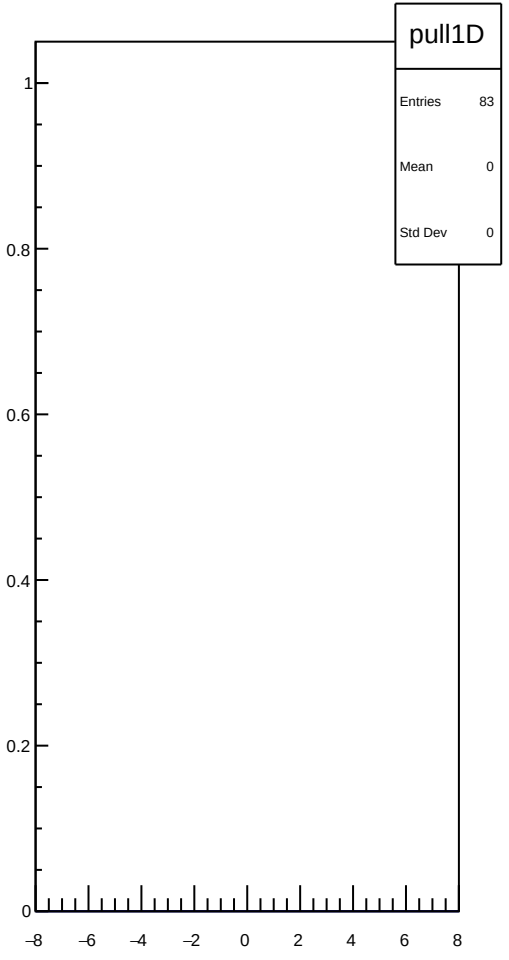

pull1D
Entries 83
Mean −1.752
Std Dev 4.376
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

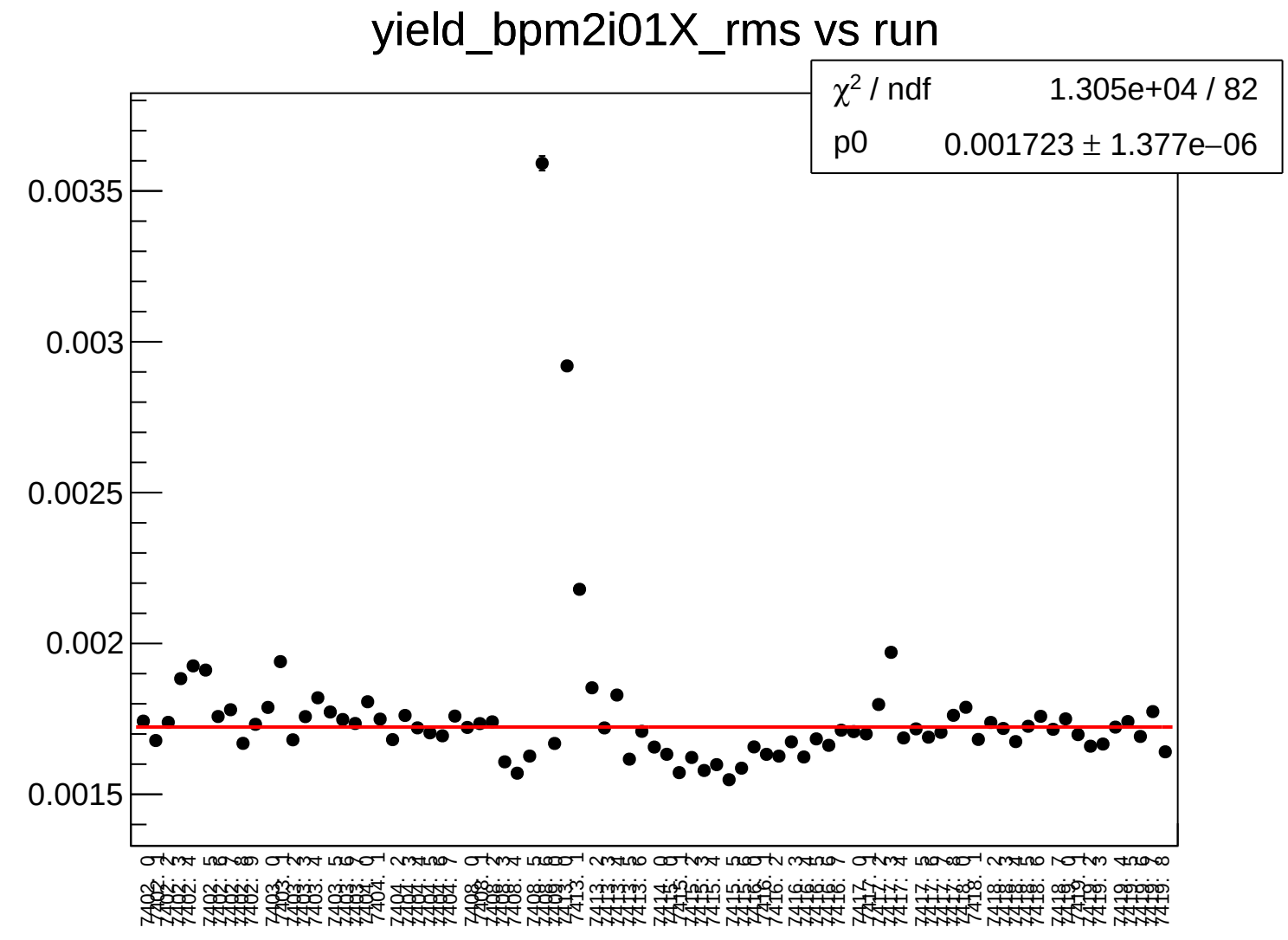

yield_bpm1i06X_rms vs run
χ² / ndf 2.154e+04 / 82
p0 0.01083 ± 8.678e–06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

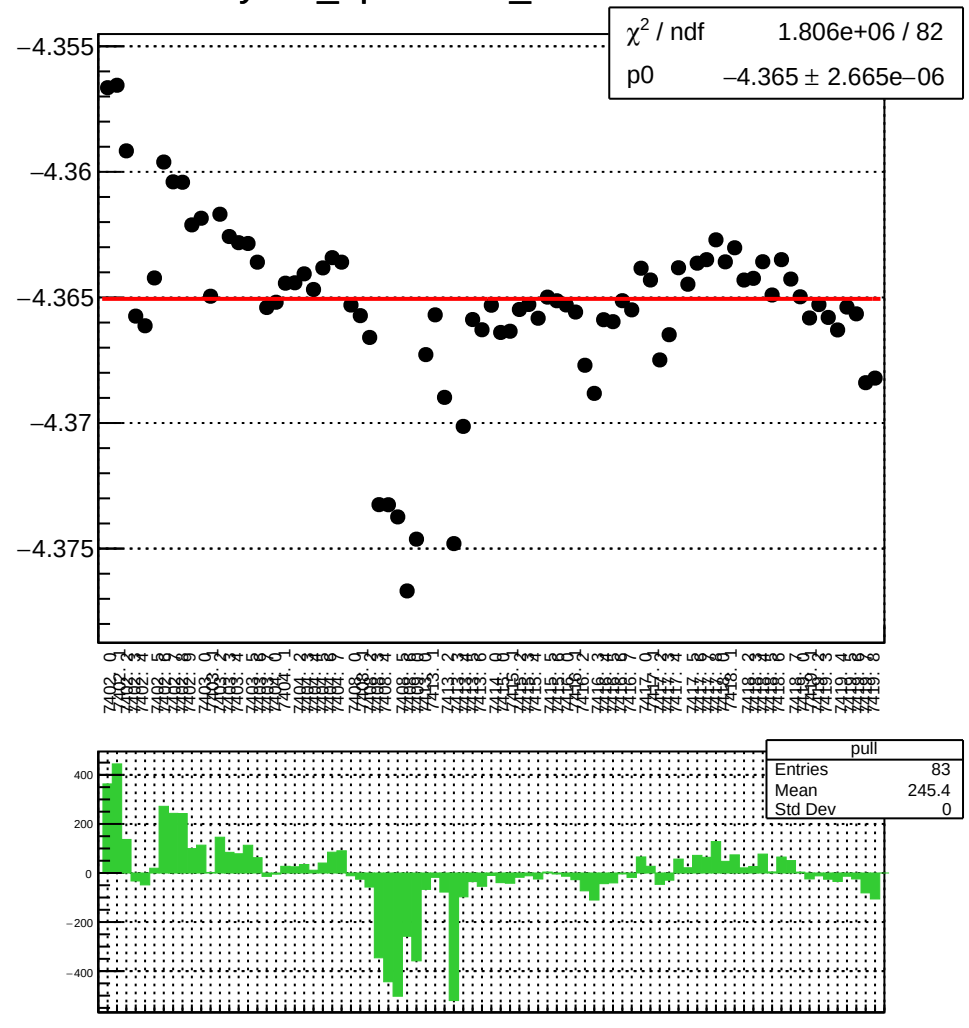

yield_bpm1i06Y_mean vs run
χ² / ndf 7.459e+06 / 82
p0 1.037 ± 4.018e−06
pull
Entries 83
Mean −954.7
Std Dev 0
pull1D
Entries 83
Mean −1.302
Std Dev 2.638

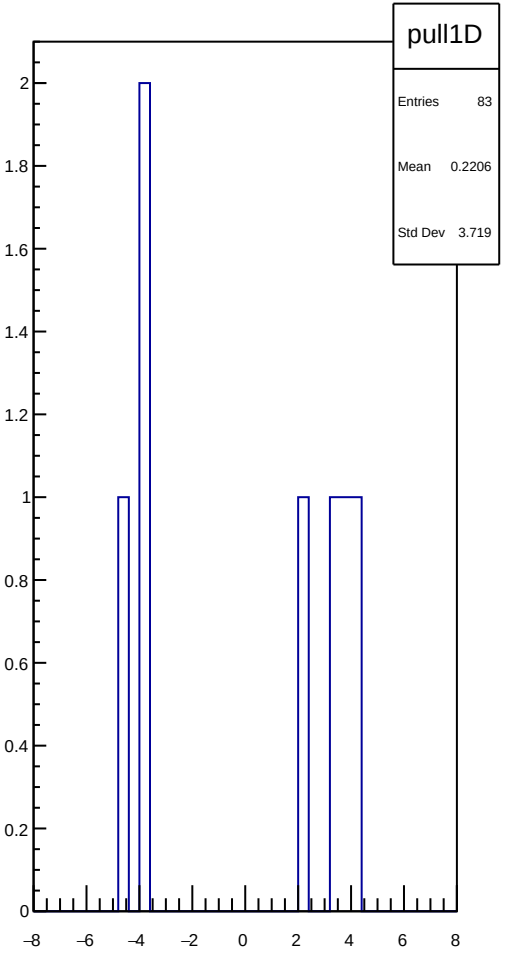

yield_bpm1i06Y_rms vs run
χ² / ndf 1.472e+05 / 82
p0 0.003399 ± 2.841e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

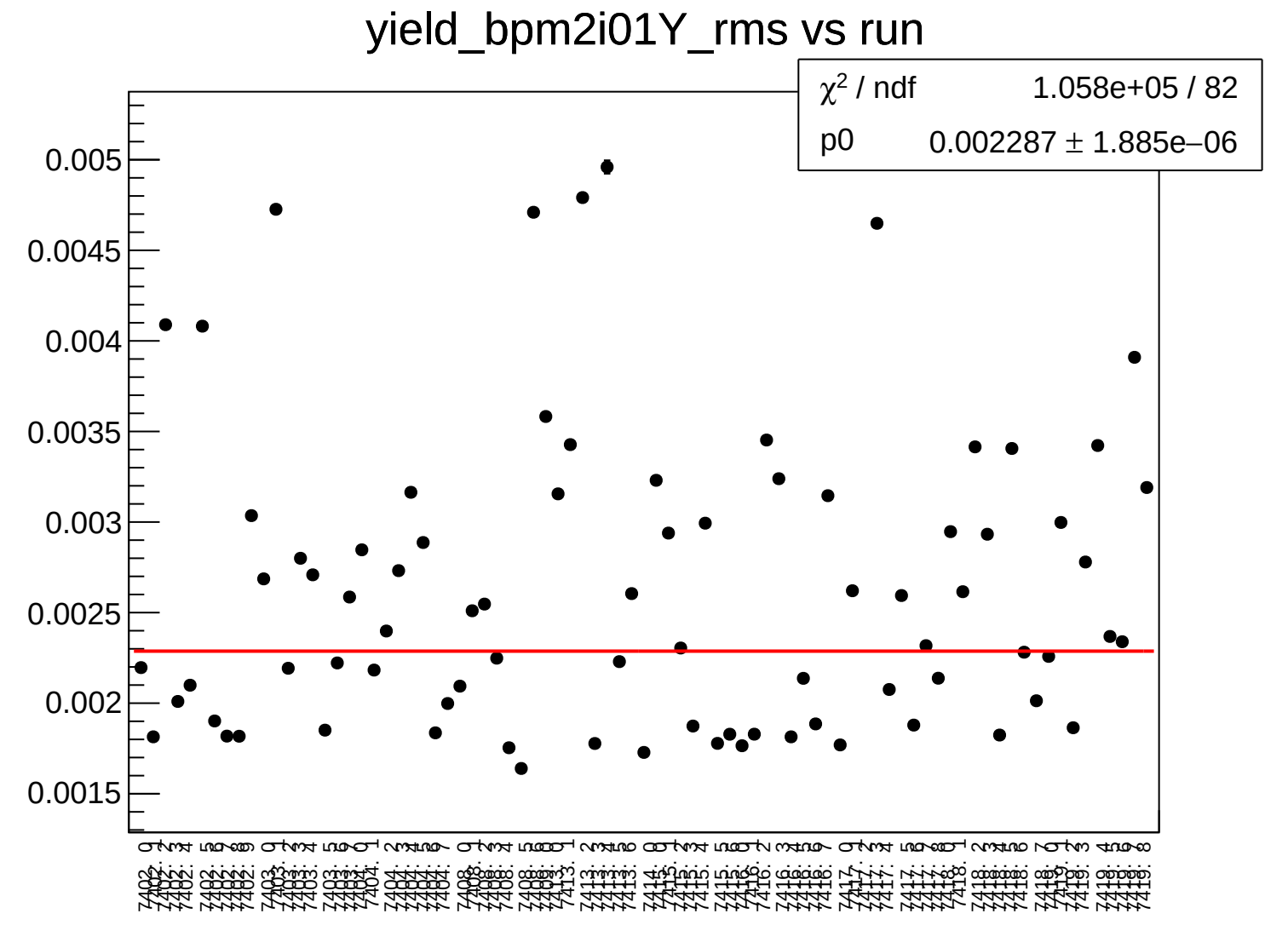

yield_bpm2i01X_mean vs run
χ² / ndf 6.032e+06 / 82
p0 0.5253 ± 1.948e−06
0.54
0.535
0.53
0.525
0.52
pull
Entries 83
Mean −350.7
Std Dev 0
800
600
400
200
0
−200
−400

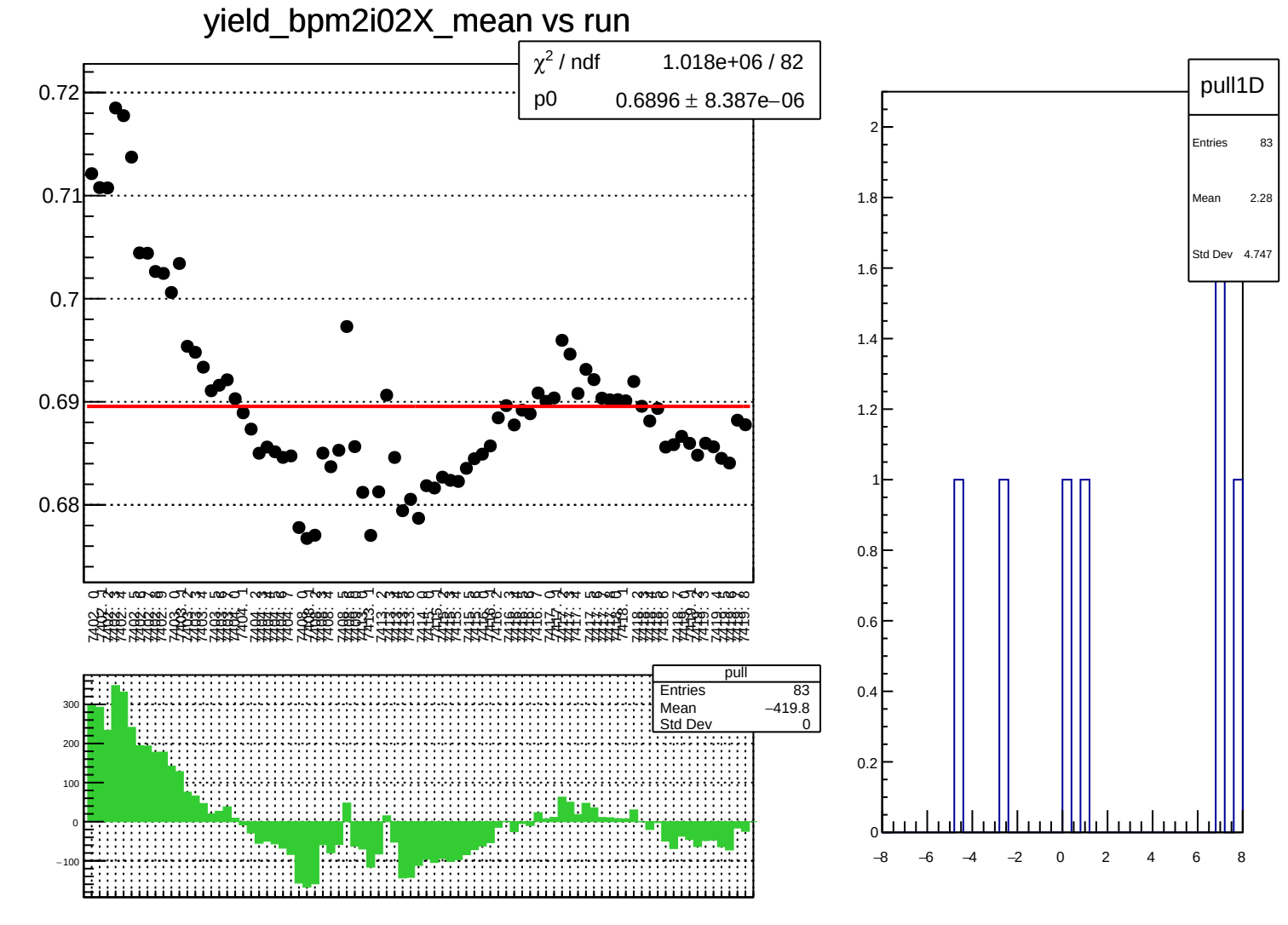

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

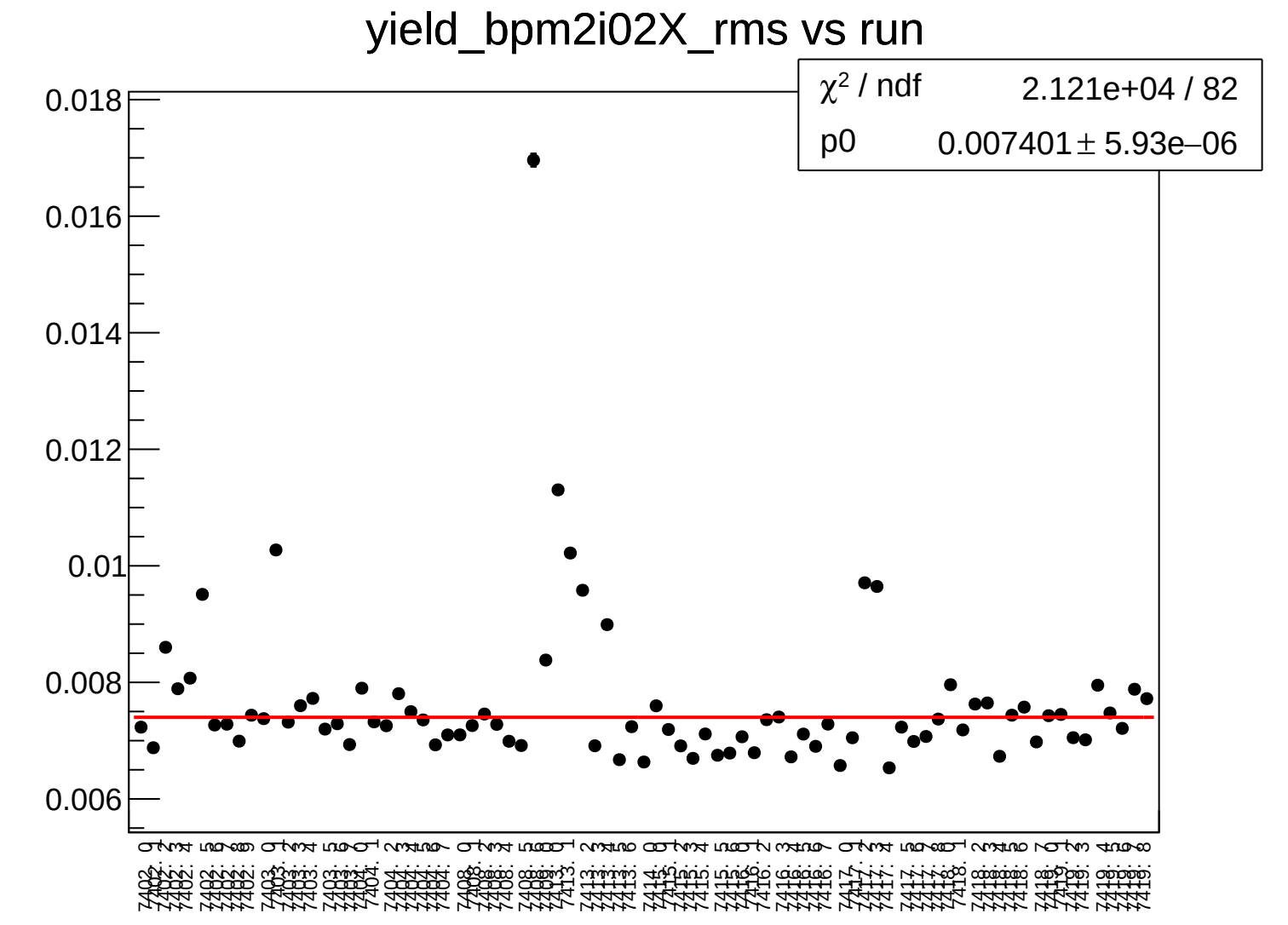

yield_bpm2i01X_rms vs run
χ² / ndf 1.305e+04 / 82
p0 0.001723 ± 1.377e−06
0.0035
0.003
0.0025
0.002
0.0015

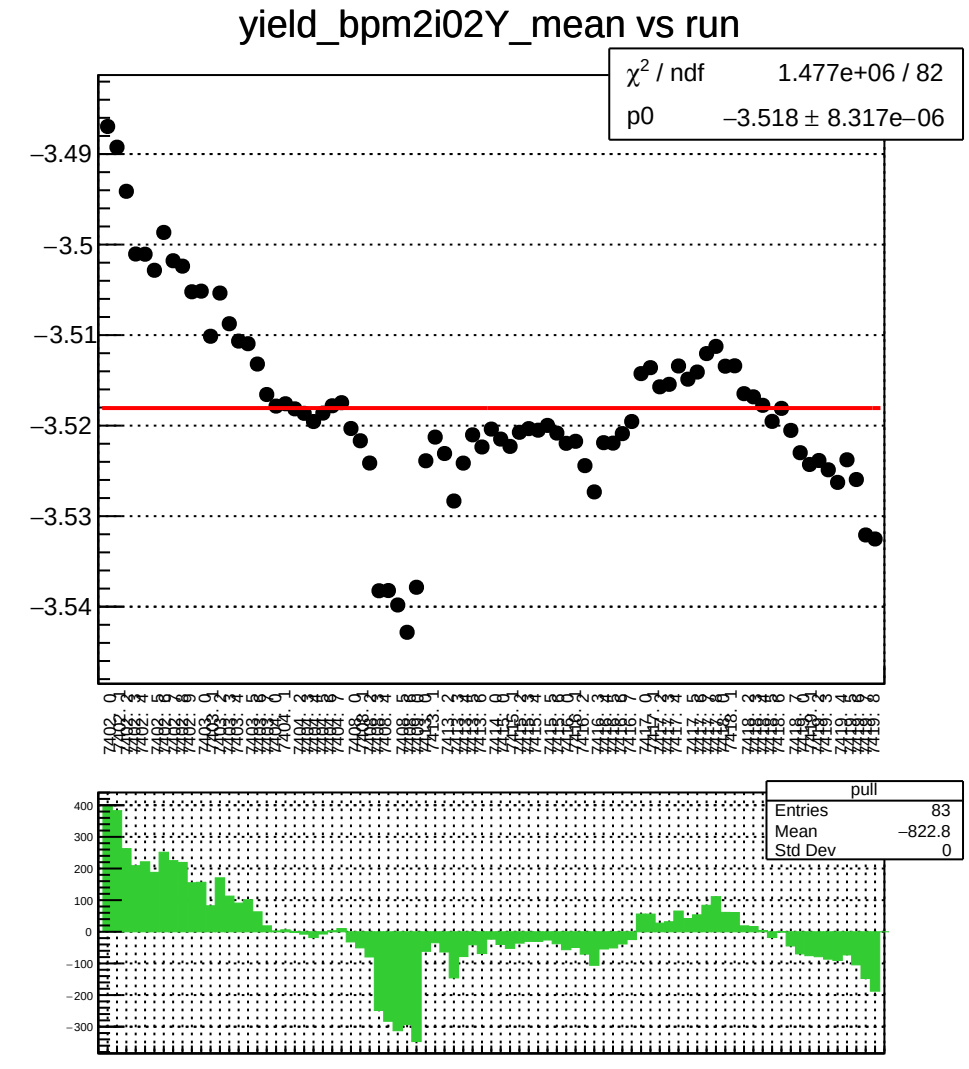

yield_bpm2i01Y_mean vs run
χ² / ndf 1.806e+06 / 82
p0 −4.365 ± 2.665e−06
−4.355
−4.36
−4.365
−4.37
−4.375
pull
Entries 83
Mean 245.4
Std Dev 0
400
200
0
−200
−400

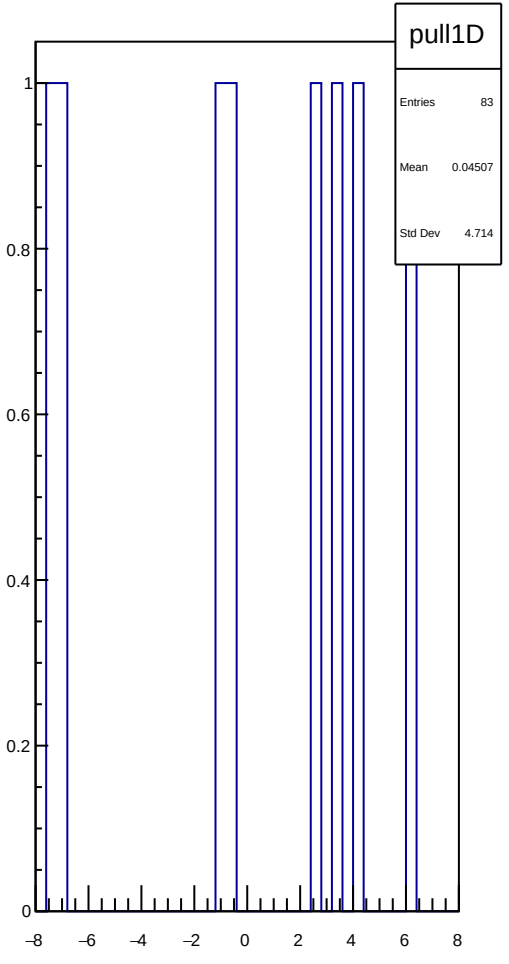

pull1D
Entries 83
Mean 0.2206
Std Dev 3.719
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

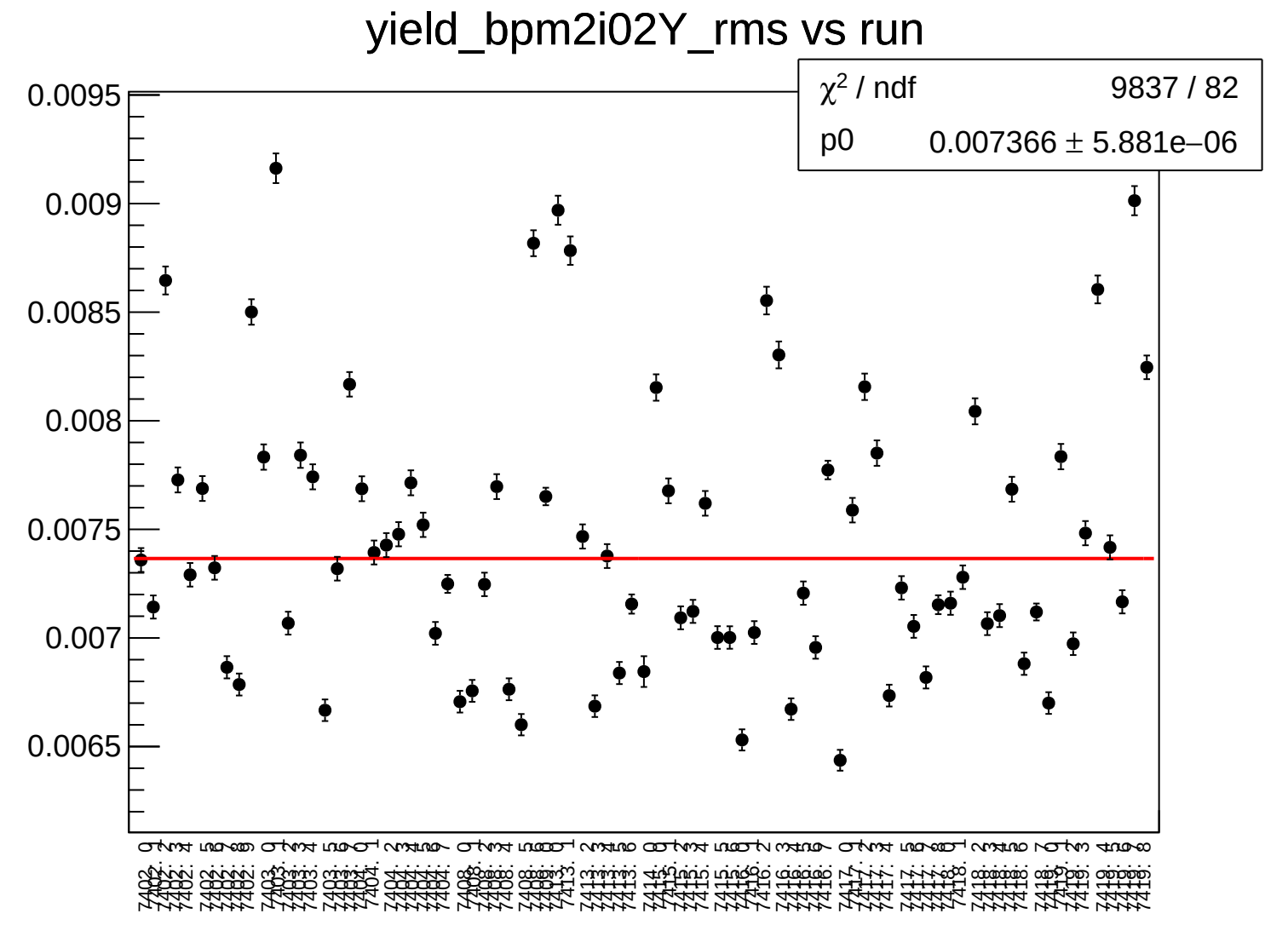

yield_bpm2i01Y_rms vs run
χ^2 / ndf 1.058e+05 / 82
p0 0.002287 ± 1.885e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

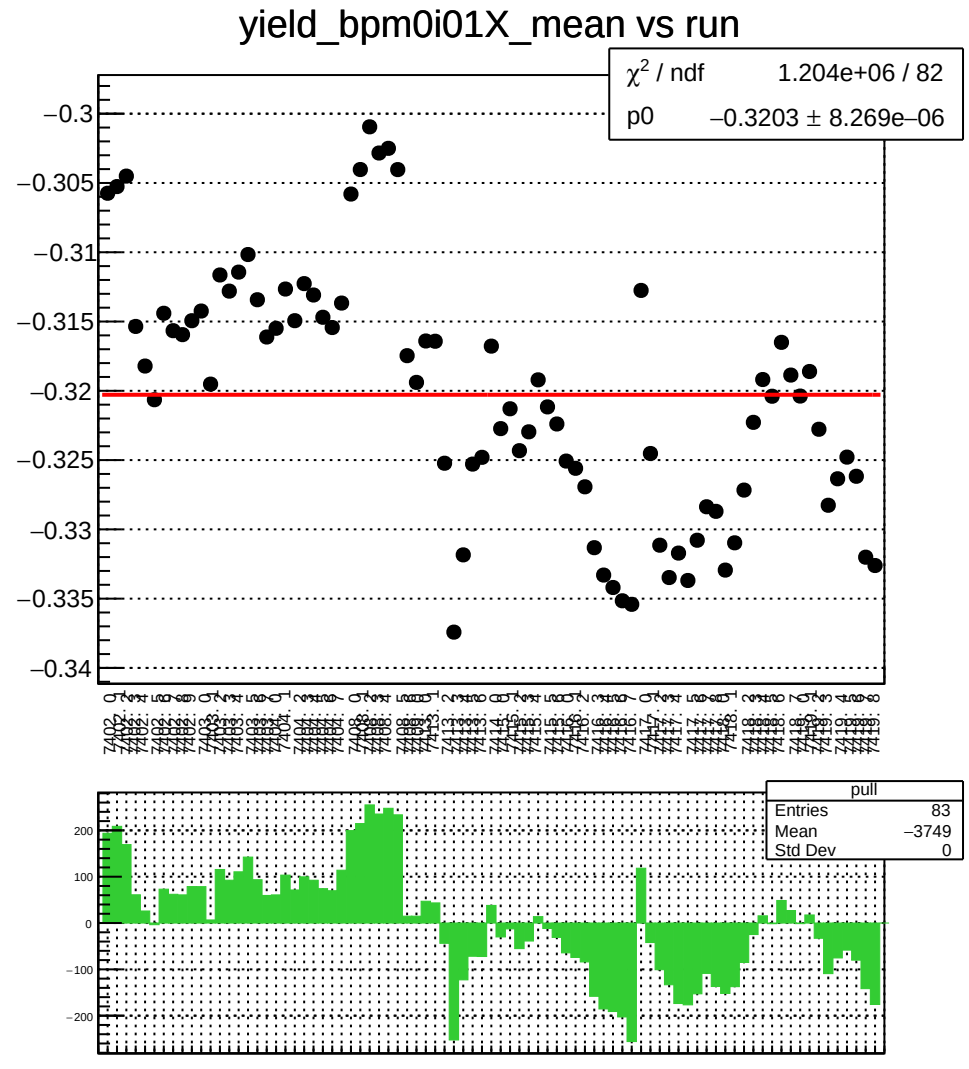

yield_bpm2i02X_mean vs run
χ² / ndf 1.018e+06 / 82
p0 0.6896 ± 8.387e−06
0.72
0.71
0.7
0.69
0.68
pull
Entries 83
Mean −419.8
Std Dev 0
300
200
100
0
−100
pull1D
Entries 83
Mean 2.28
Std Dev 4.747
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

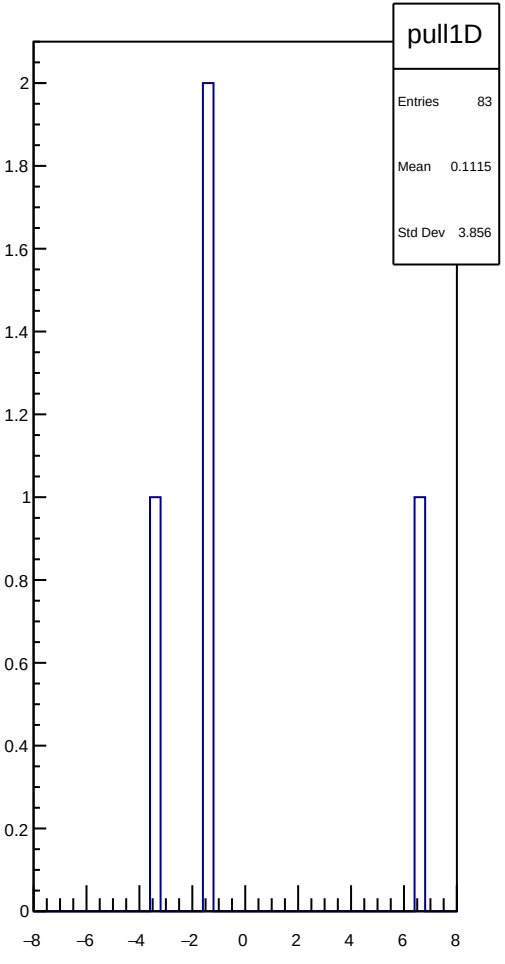

yield_bpm2i02X_rms vs run
χ^2 / ndf 2.121e+04 / 82
p0 0.007401 ± 5.93e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

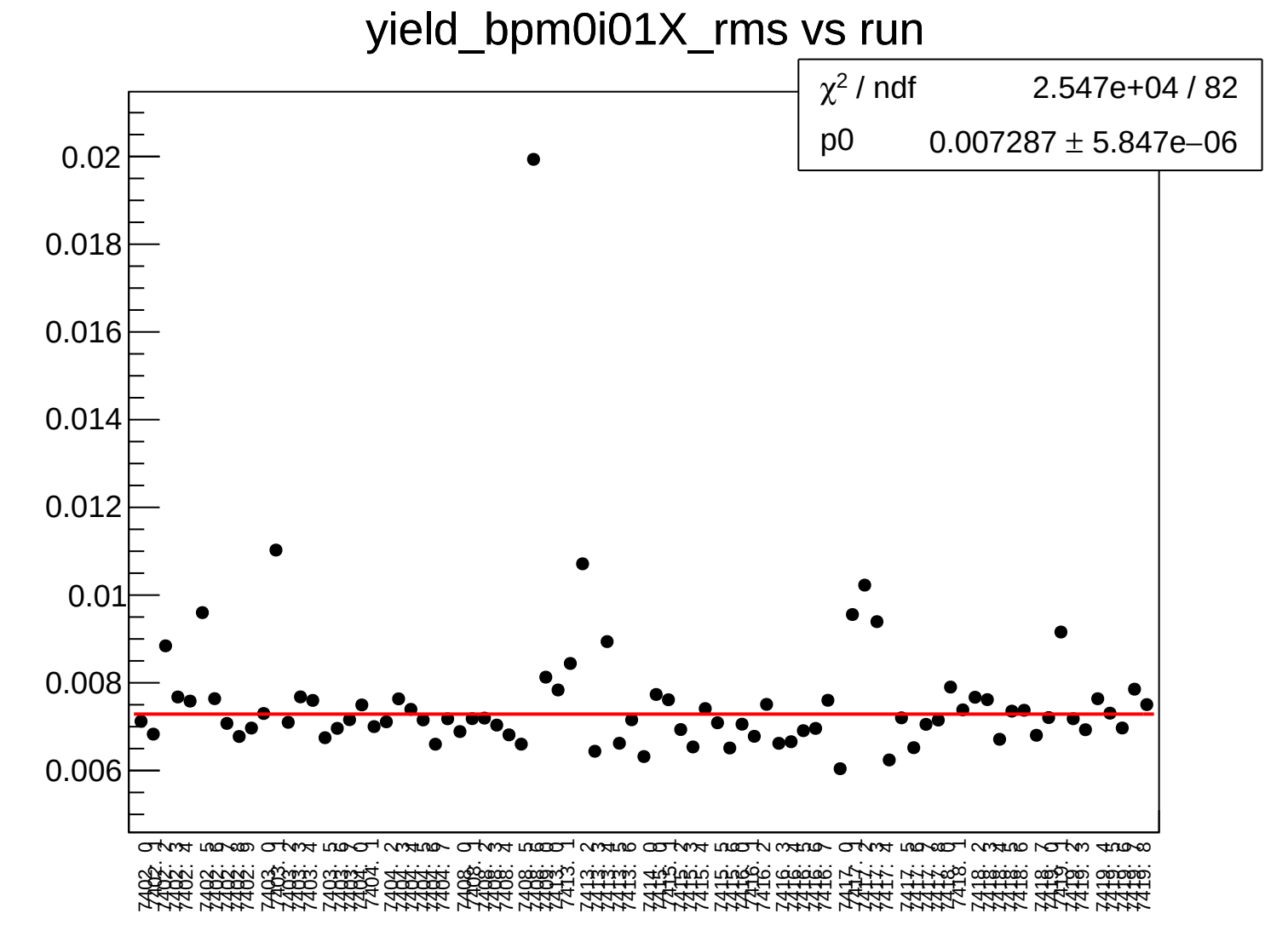

yield_bpm2i02Y_mean vs run
χ² / ndf 1.477e+06 / 82
p0 −3.518 ± 8.317e−06
−3.49
−3.5
−3.51
−3.52
−3.53
−3.54
pull
Entries 83
Mean −822.8
Std Dev 0
400
300
200
100
0
−100
−200
−300

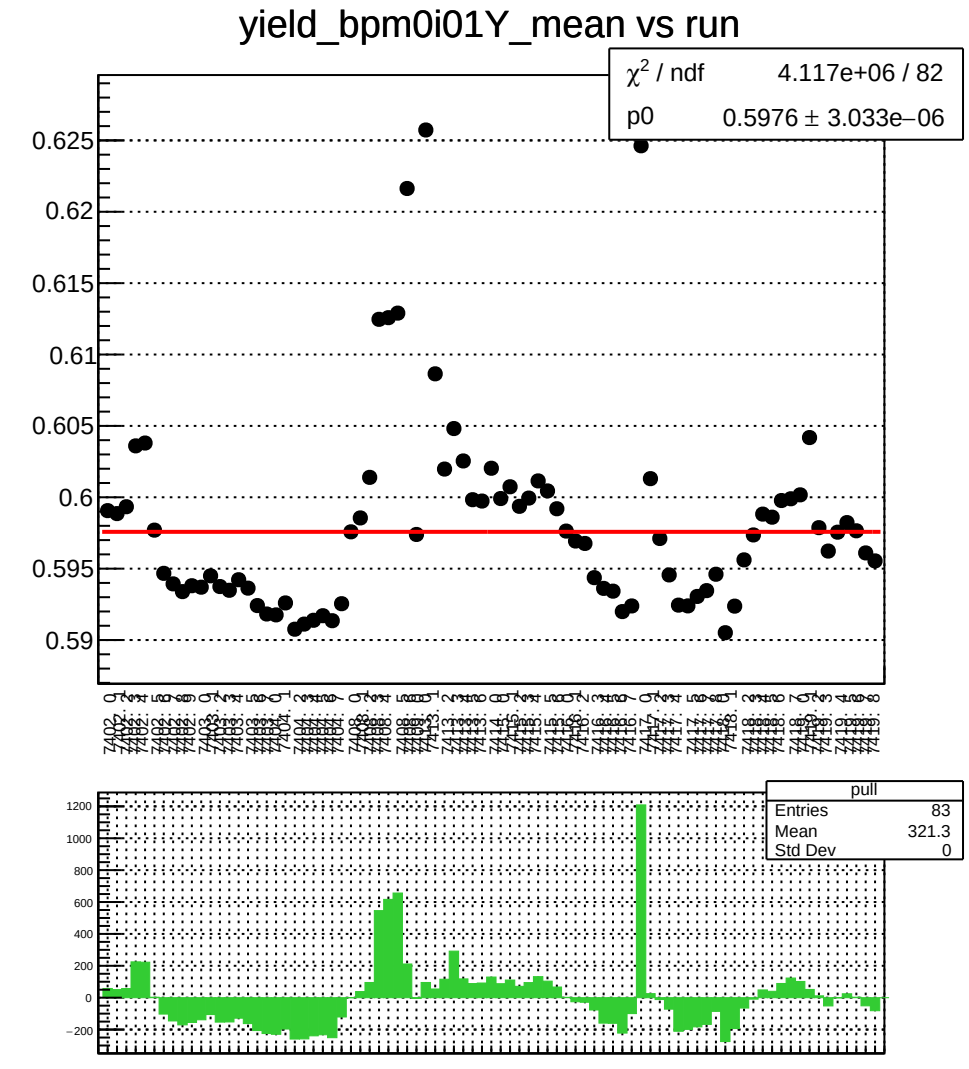

pull1D
Entries 83
Mean 0.04507
Std Dev 4.714
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

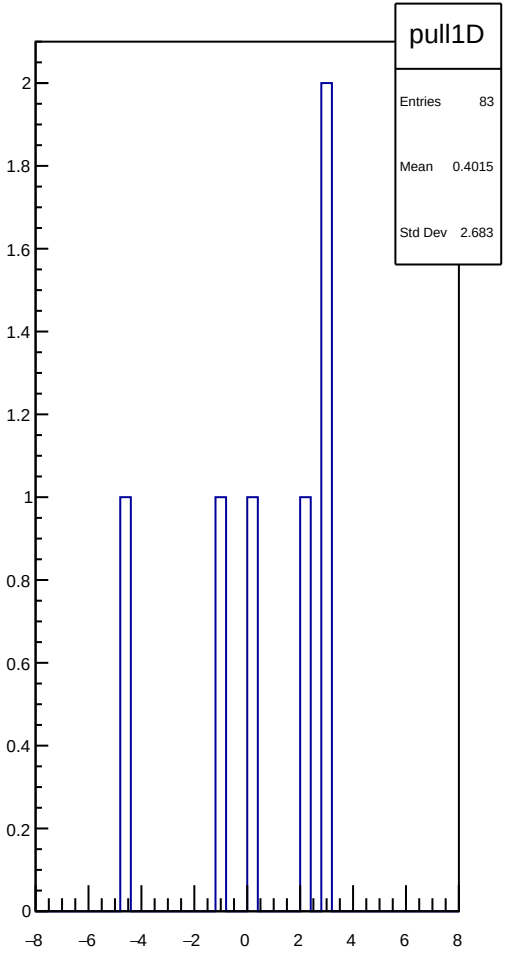

yield_bpm2i02Y_rms vs run
χ^2 / ndf 9837 / 82
p0 0.007366 ± 5.881e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065

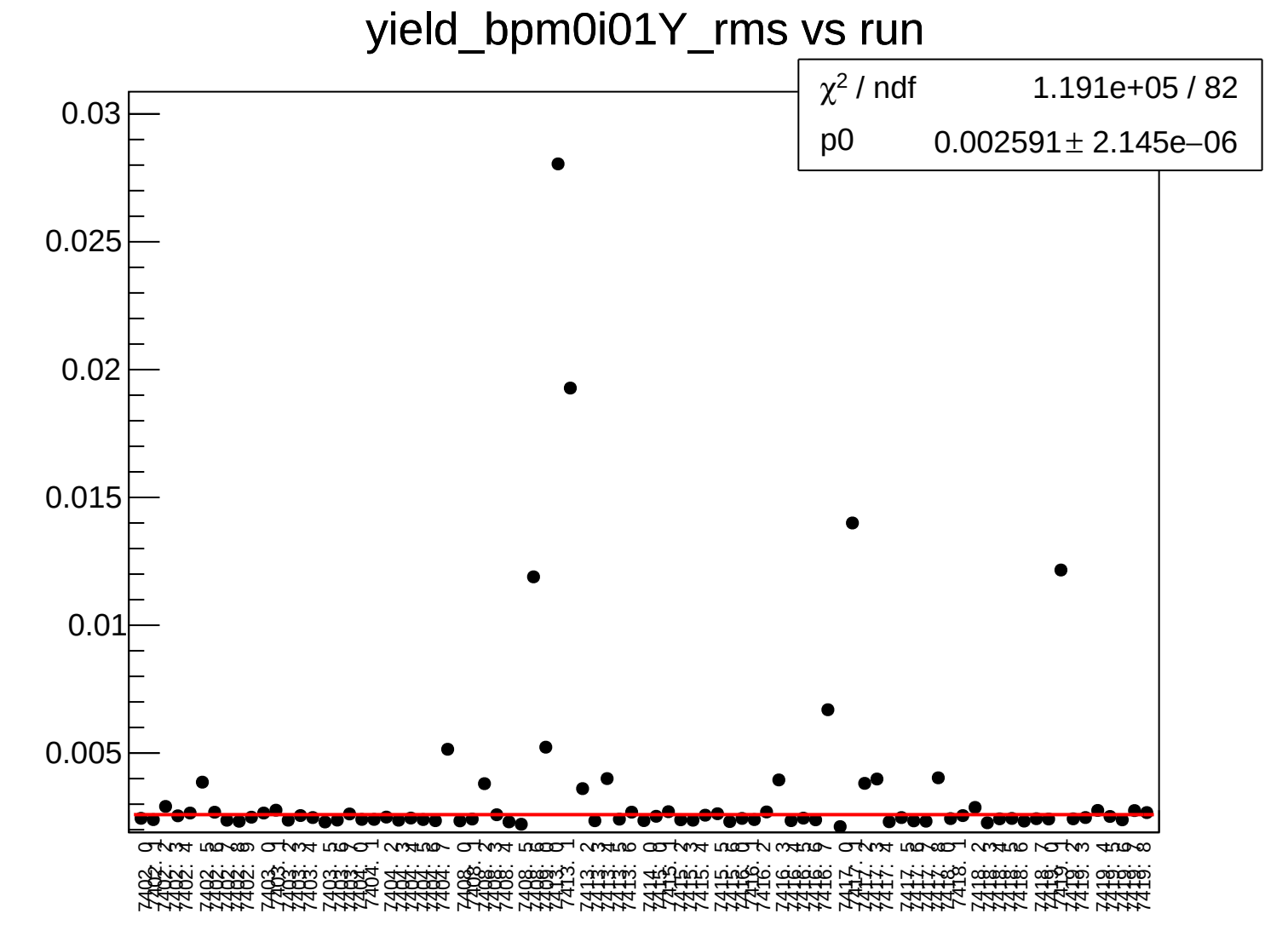

yield_bpm0i01X_mean vs run
χ² / ndf 1.204e+06 / 82
p0 −0.3203 ± 8.269e−06
−0.3
−0.305
−0.31
−0.315
−0.32
−0.325
−0.33
−0.335
−0.34
pull
Entries 83
Mean −3749
Std Dev 0
200
100
0
−100
−200

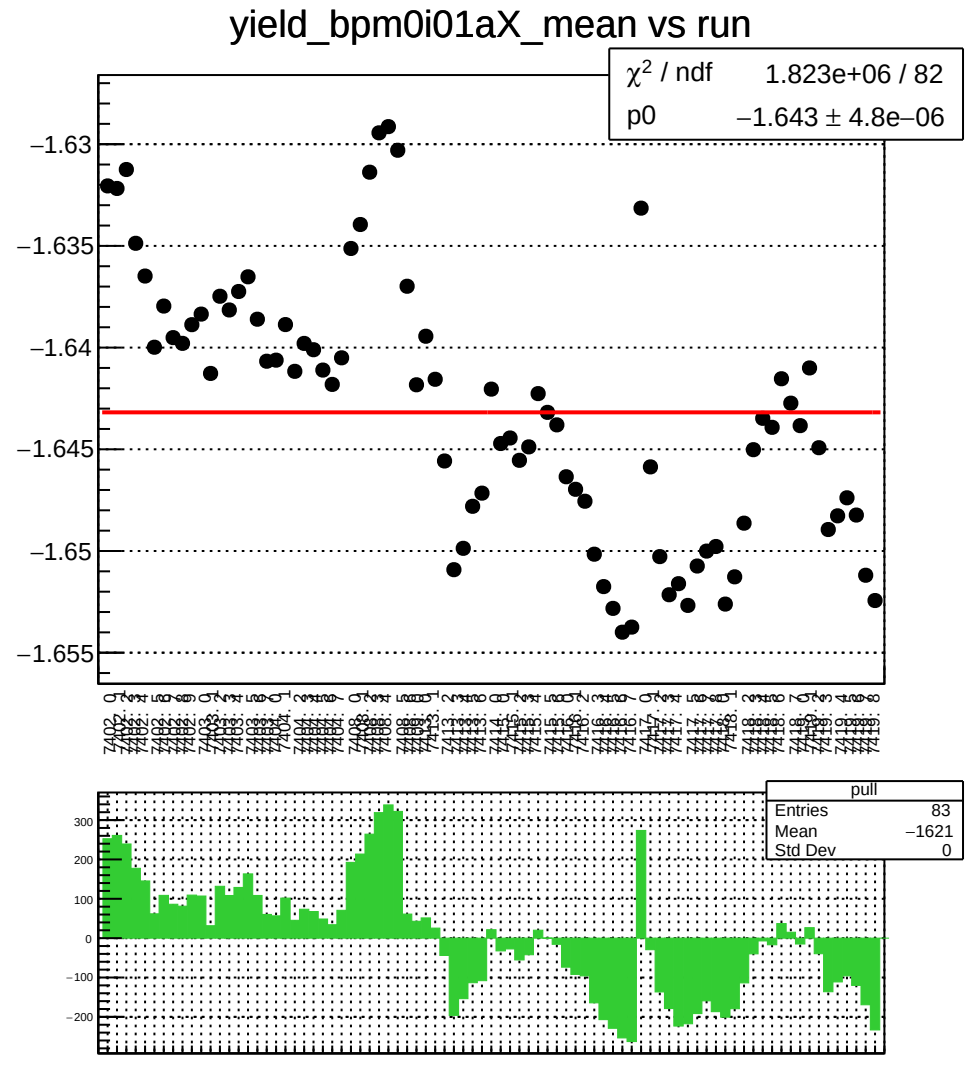

pull1D
Entries 83
Mean 0.1115
Std Dev 3.856
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

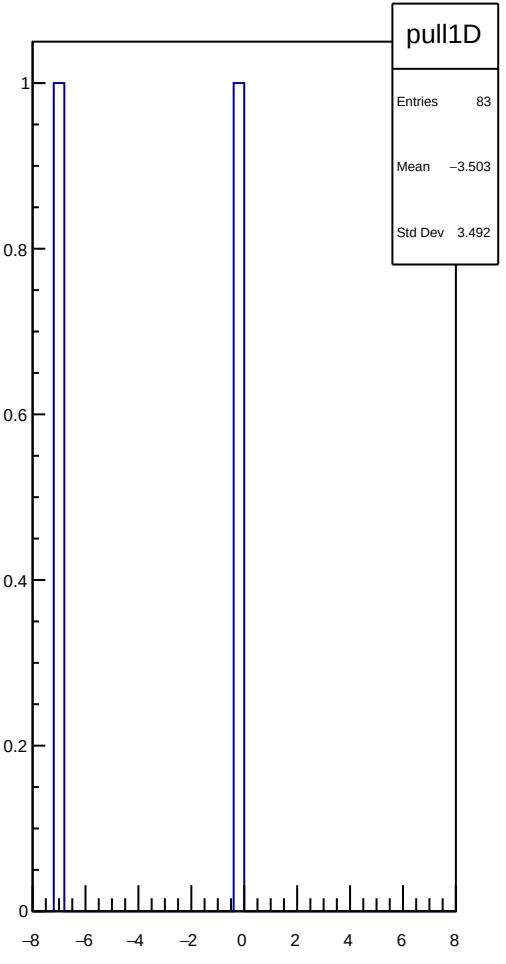

yield_bpm0i01X_rms vs run
χ² / ndf 2.547e+04 / 82
p0 0.007287 ± 5.847e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

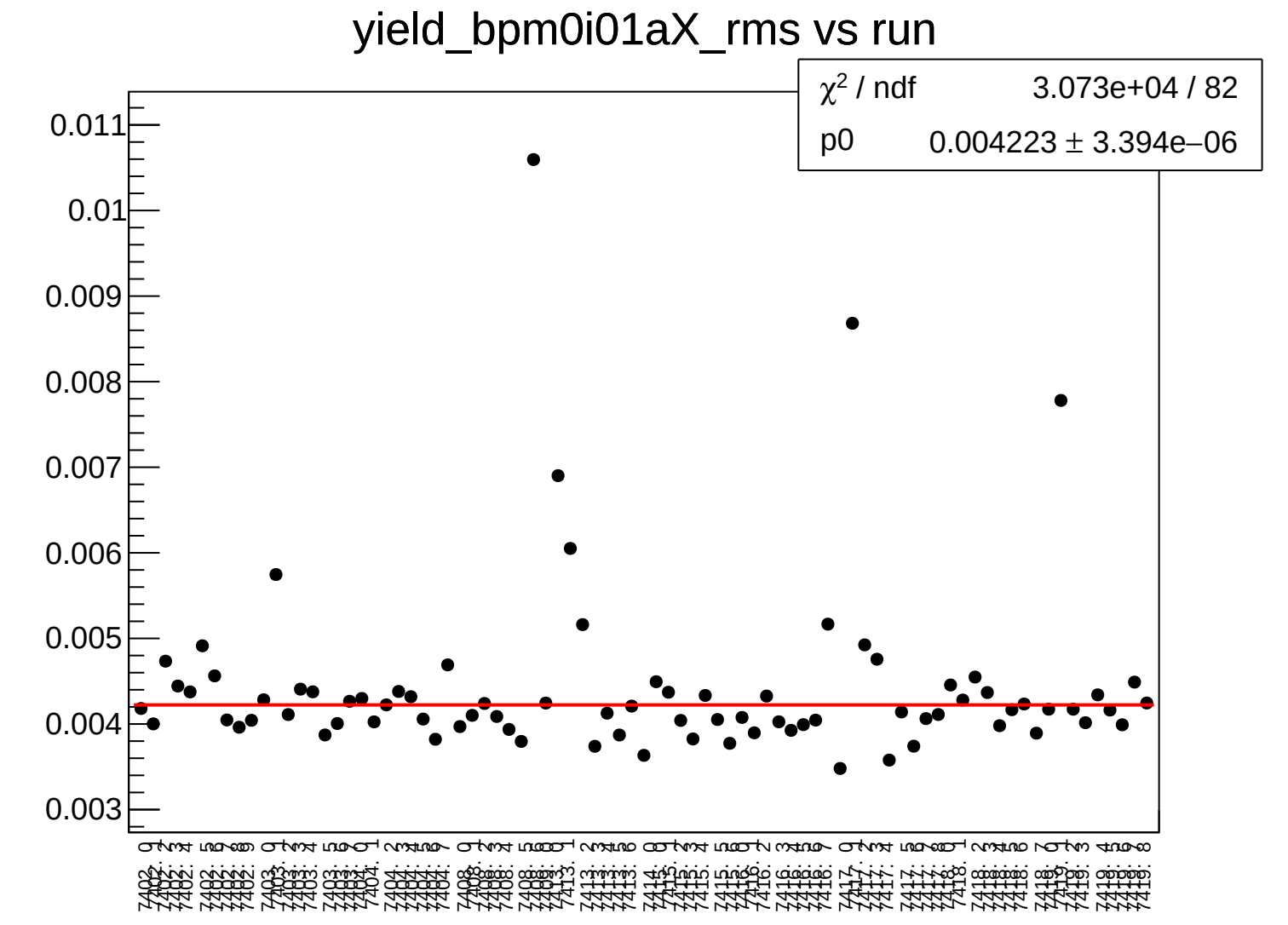

yield_bpm0i01Y_mean vs run
χ² / ndf 4.117e+06 / 82
p0 0.5976 ± 3.033e−06
0.625
0.62
0.615
0.61
0.605
0.6
0.595
0.59
pull
Entries 83
Mean 321.3
Std Dev 0
1200
1000
800
600
400
200
0
−200

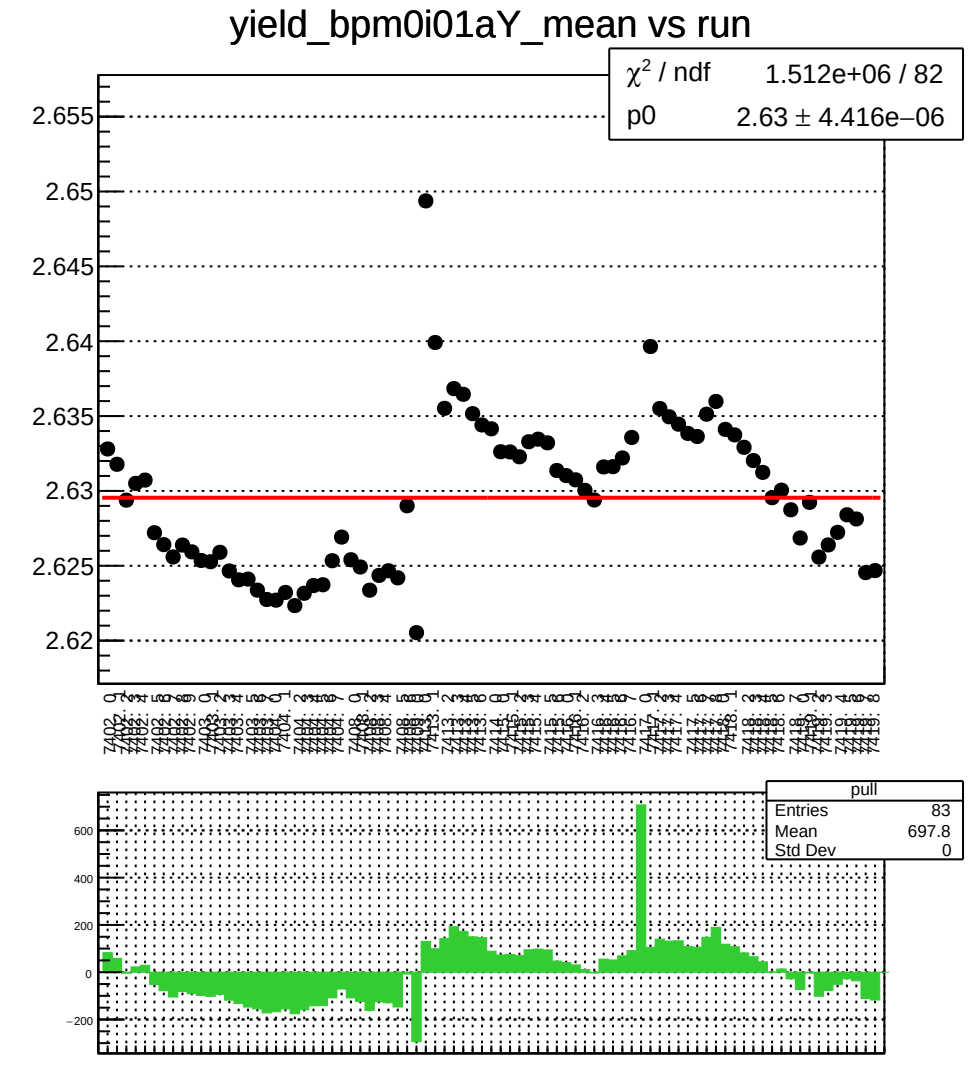

pull1D
Entries 83
Mean 0.4015
Std Dev 2.683
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

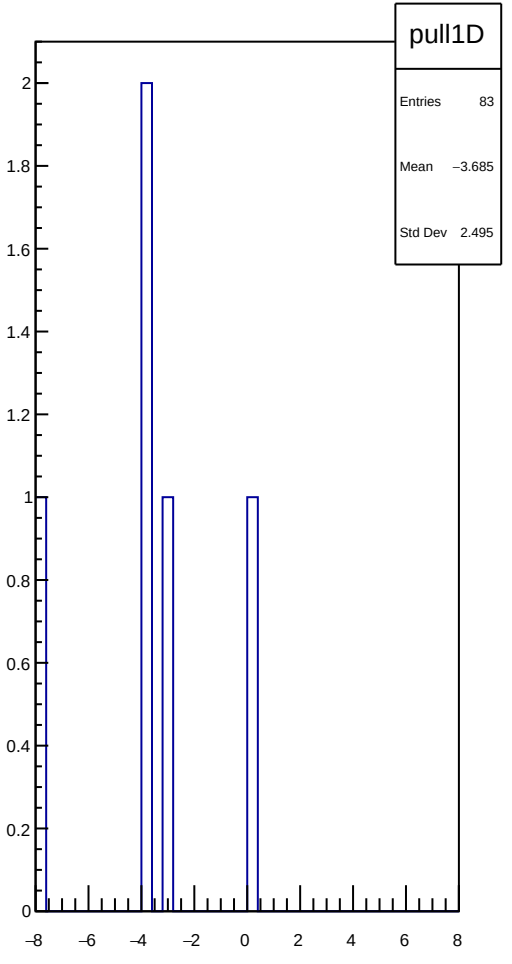

yield_bpm0i01Y_rms vs run
χ² / ndf 1.191e+05 / 82
p0 0.002591 ± 2.145e−06
0.03
0.025
0.02
0.015
0.01
0.005

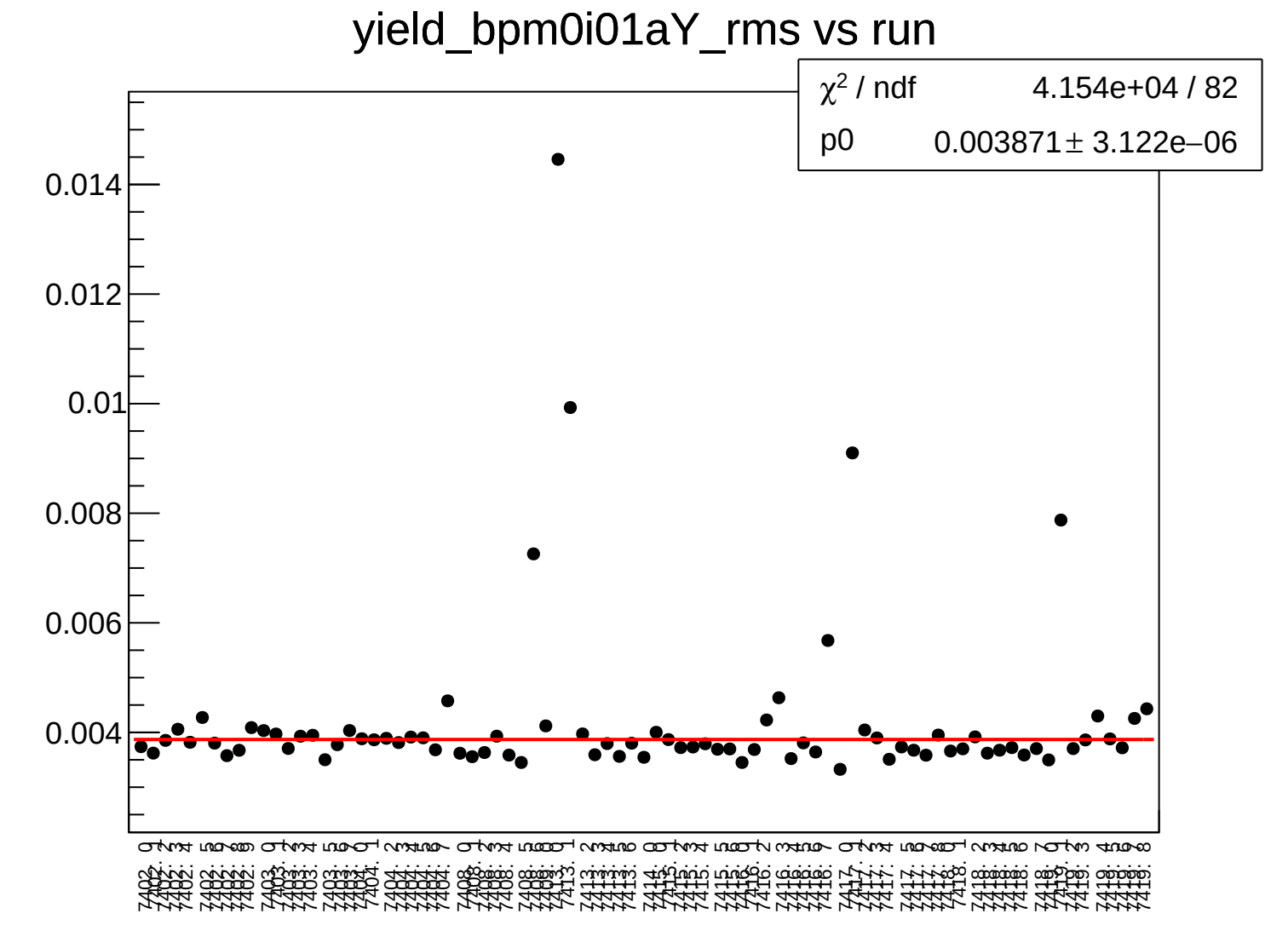

yield_bpm0i01aX_mean vs run
χ² / ndf 1.823e+06 / 82
p0 −1.643 ± 4.8e−06
−1.63
−1.635
−1.64
−1.645
−1.65
−1.655
pull
Entries 83
Mean −1621
Std Dev 0
300
200
100
0
−100
−200

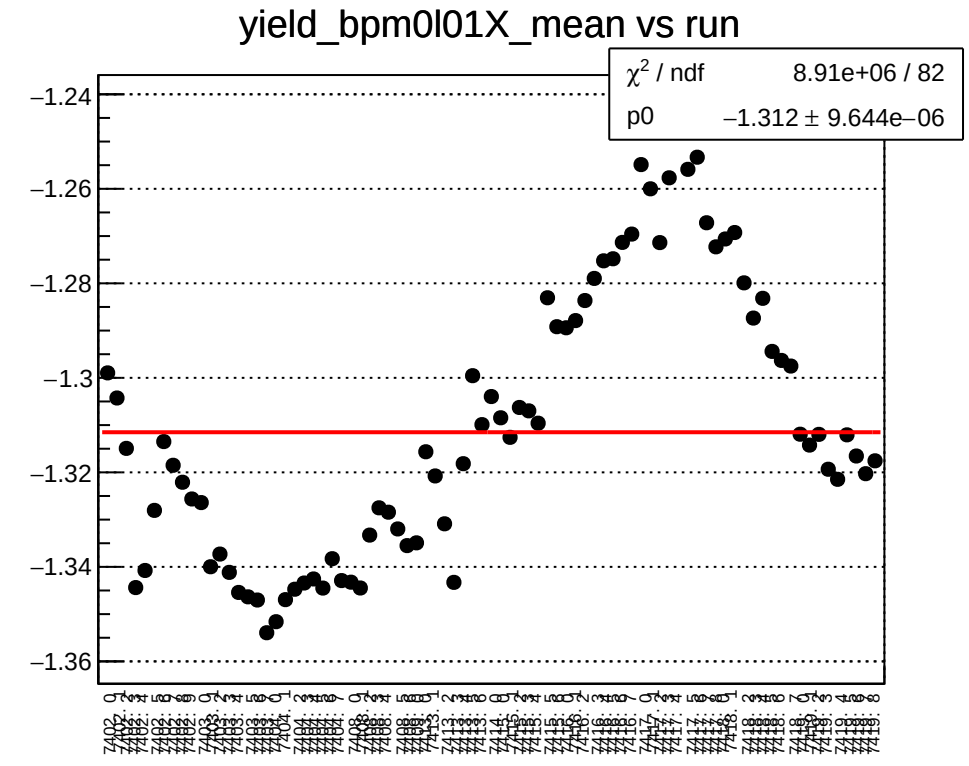

pull1D
Entries 83
Mean −3.503
Std Dev 3.492
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

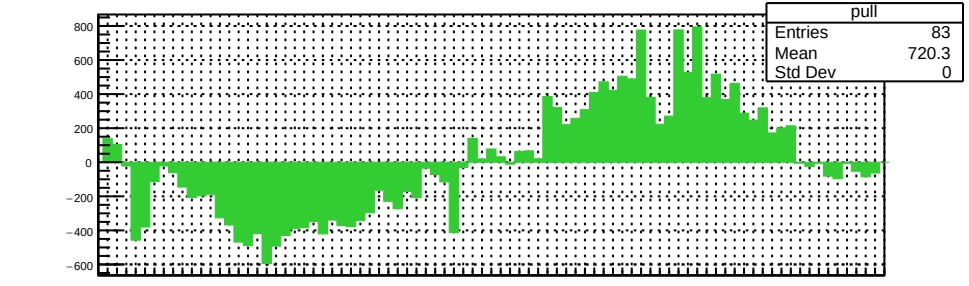

yield_bpm0i01aX_rms vs run
χ² / ndf 3.073e+04 / 82
p0 0.004223 ± 3.394e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

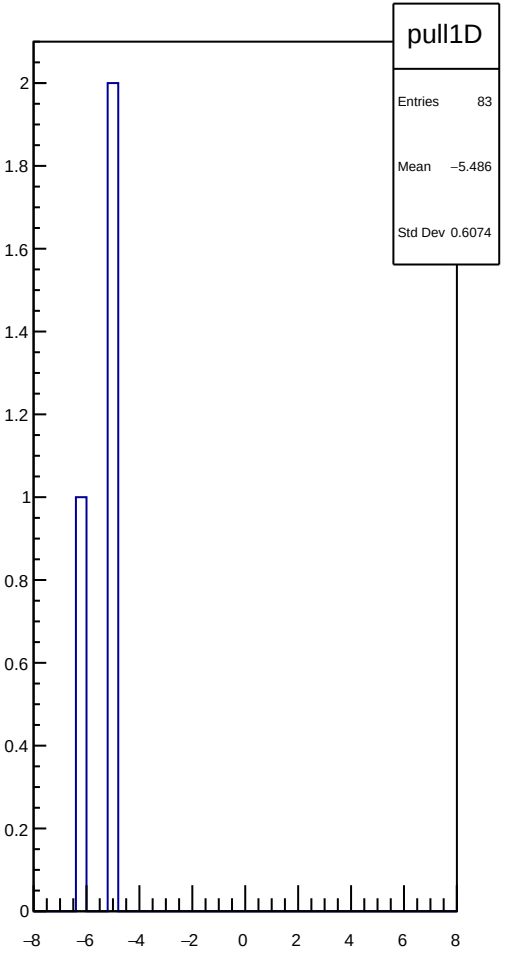

yield_bpm0i01aY_mean vs run
χ² / ndf 1.512e+06 / 82
p0 2.63 ± 4.416e−06
2.655
2.65
2.645
2.64
2.635
2.63
2.625
2.62
pull
Entries 83
Mean 697.8
Std Dev 0
600
400
200
0
−200

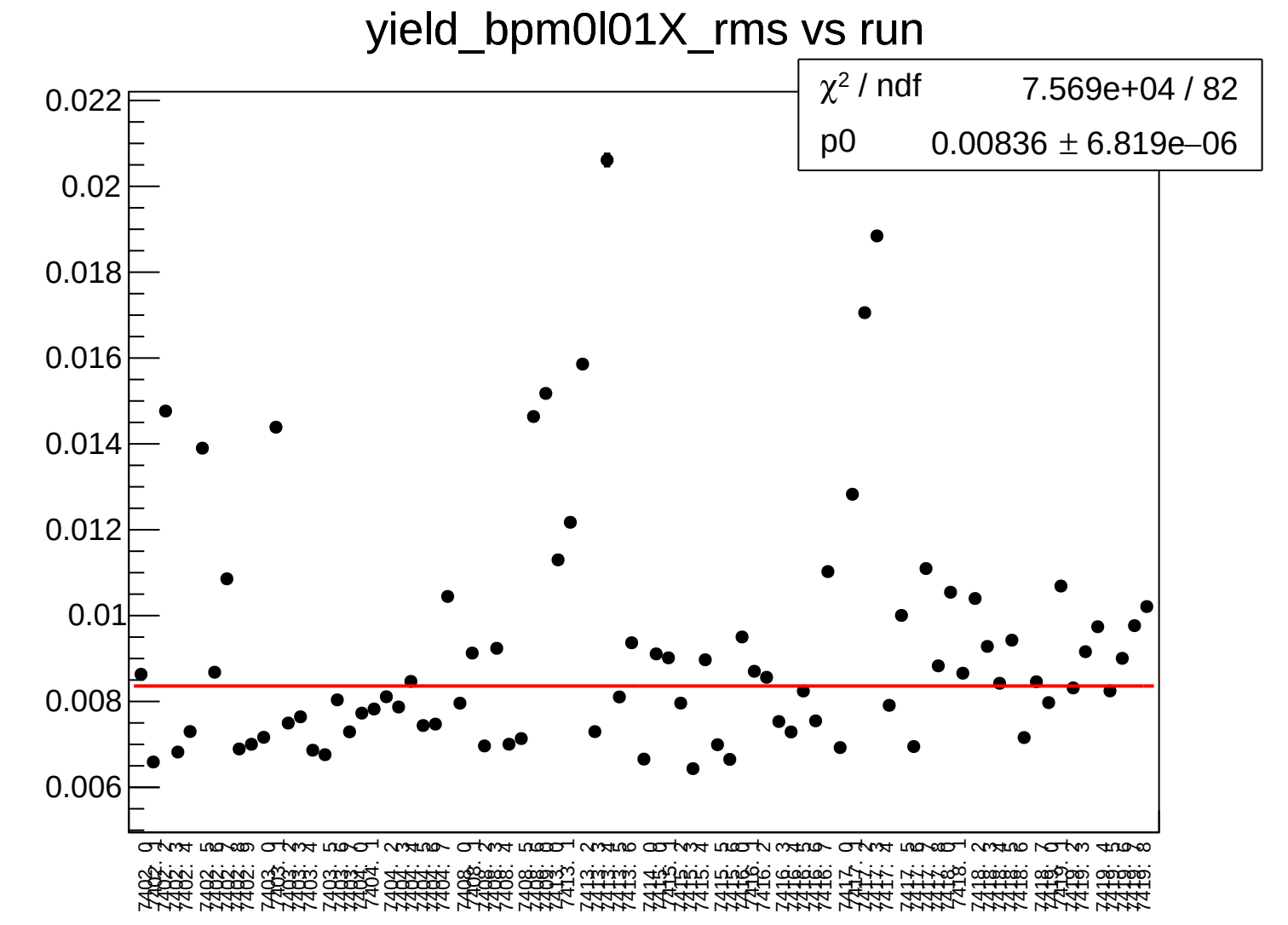

pull1D
Entries 83
Mean −3.685
Std Dev 2.495
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

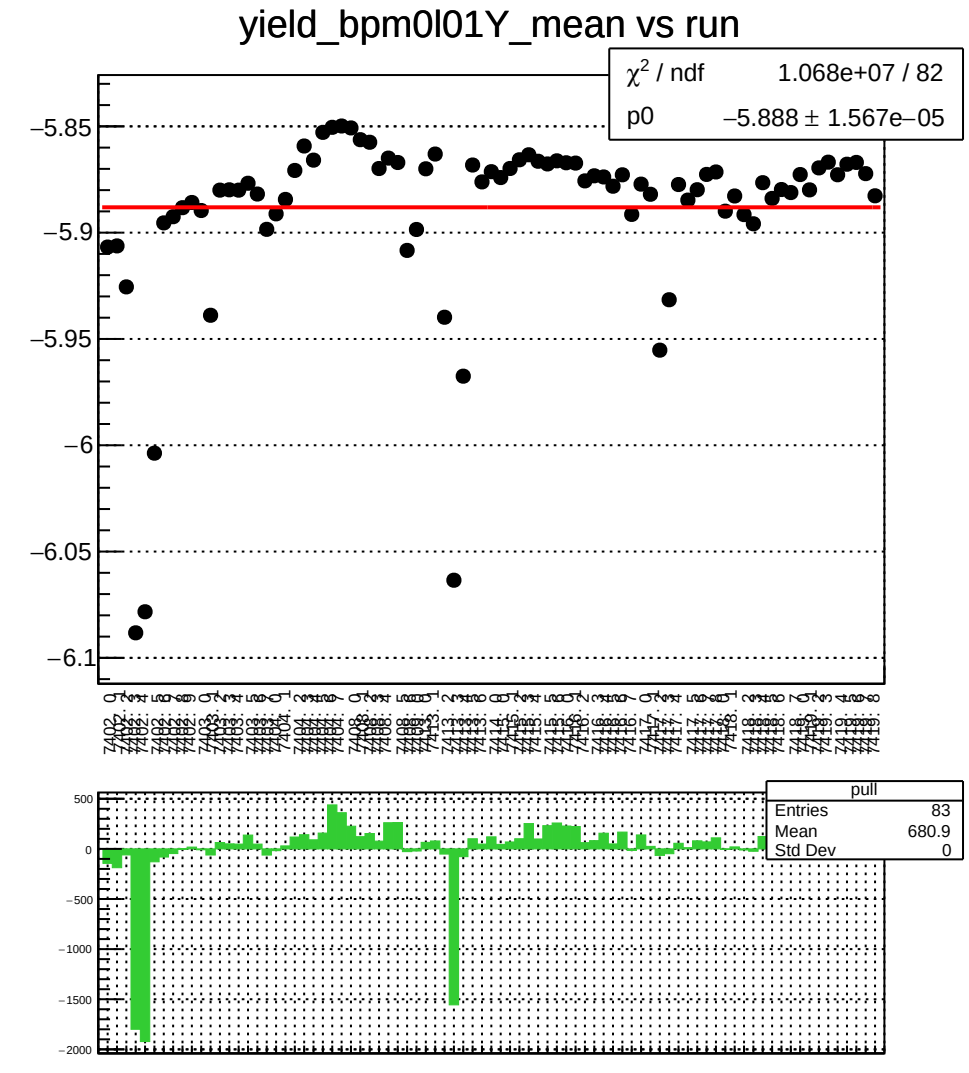

yield_bpm0i01aY_rms vs run
χ² / ndf 4.154e+04 / 82
p0 0.003871 ± 3.122e−06
0.014
0.012
0.01
0.008
0.006
0.004

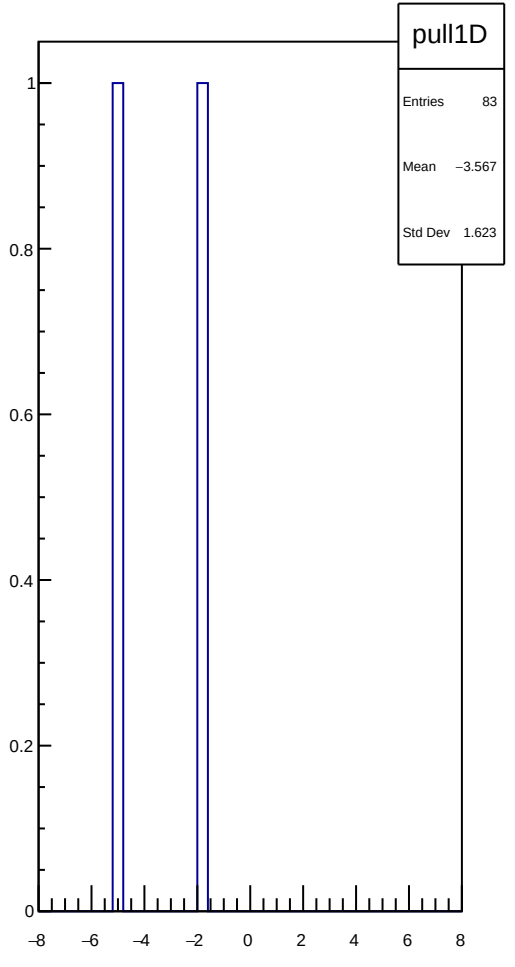

yield_bpm0l01X_mean vs run
χ² / ndf 8.91e+06 / 82
p0 −1.312 ± 9.644e−06
−1.24
−1.26
−1.28
−1.3
−1.32
−1.34
−1.36

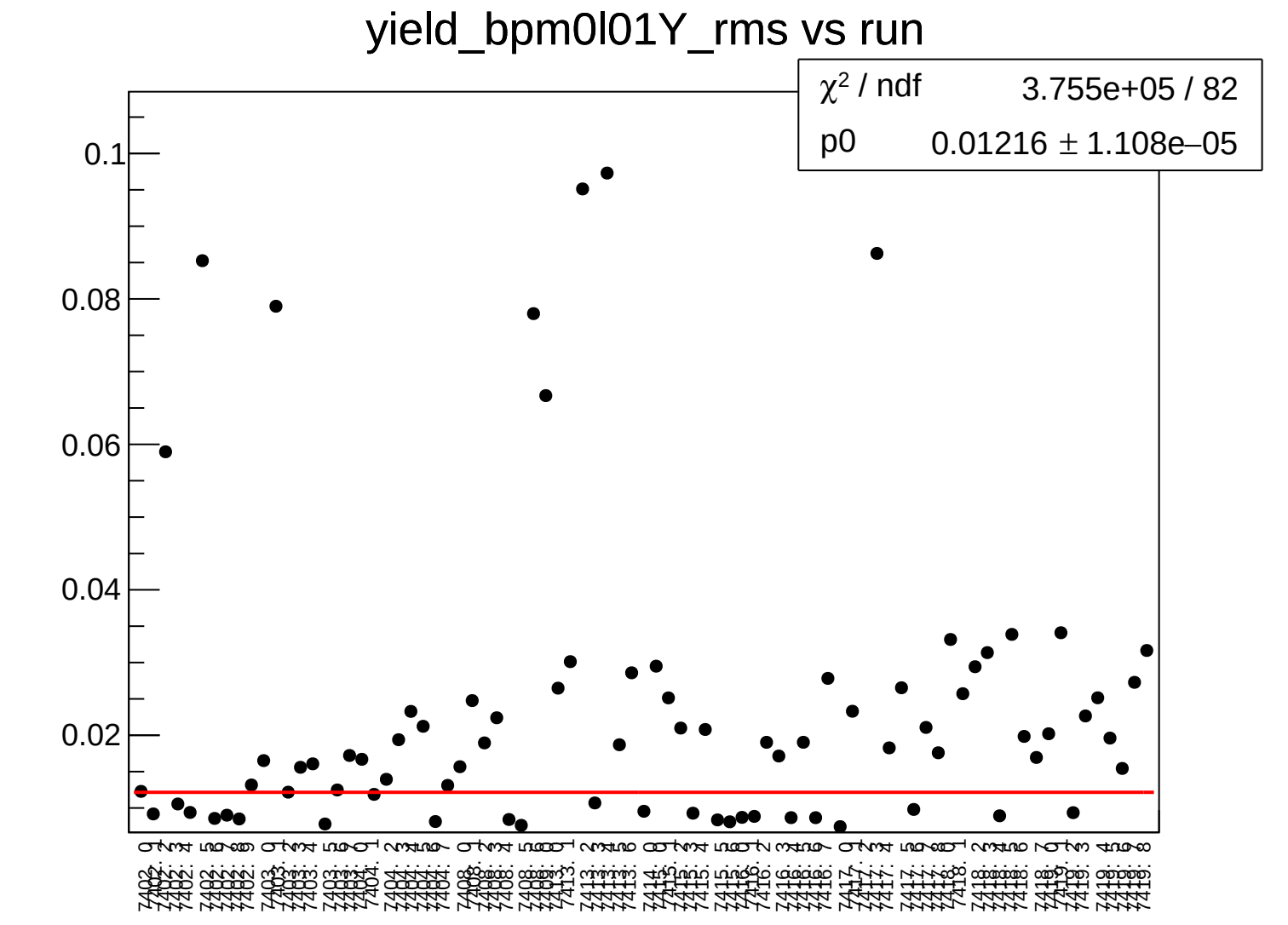

pull
Entries 83
Mean 720.3
Std Dev 0
800
600
400
200
0
−200
−400
−600

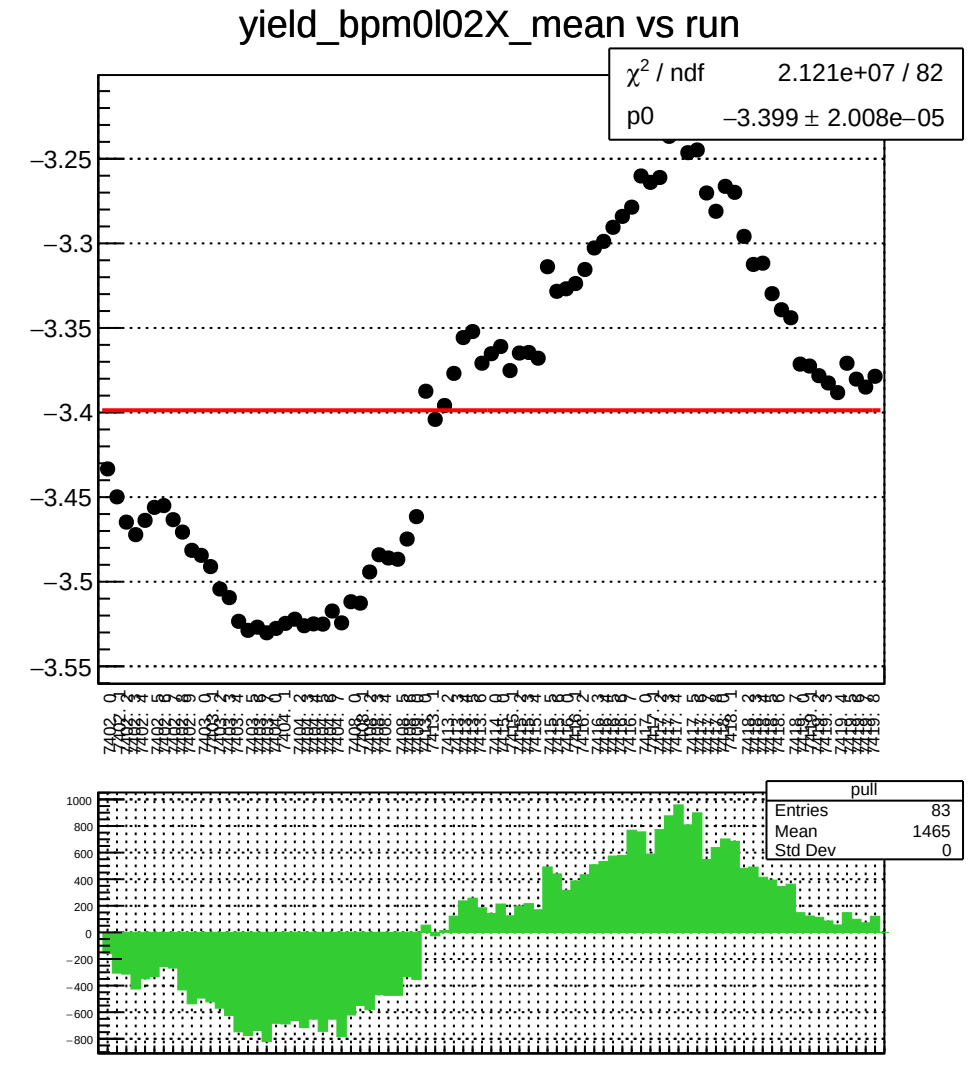

pull1D
Entries 83
Mean −5.486
Std Dev 0.6074
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

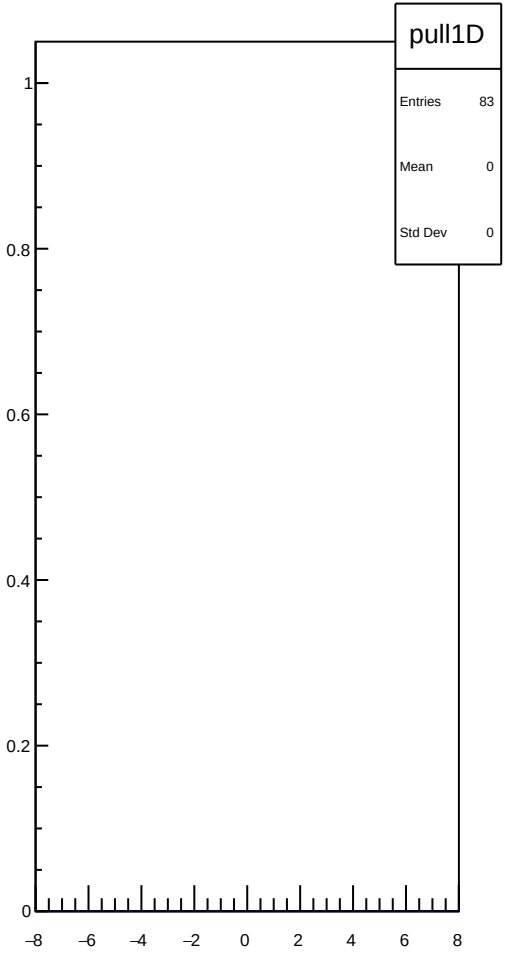

yield_bpm0l01X_rms vs run
χ² / ndf 7.569e+04 / 82
p0 0.00836 ± 6.819e–06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

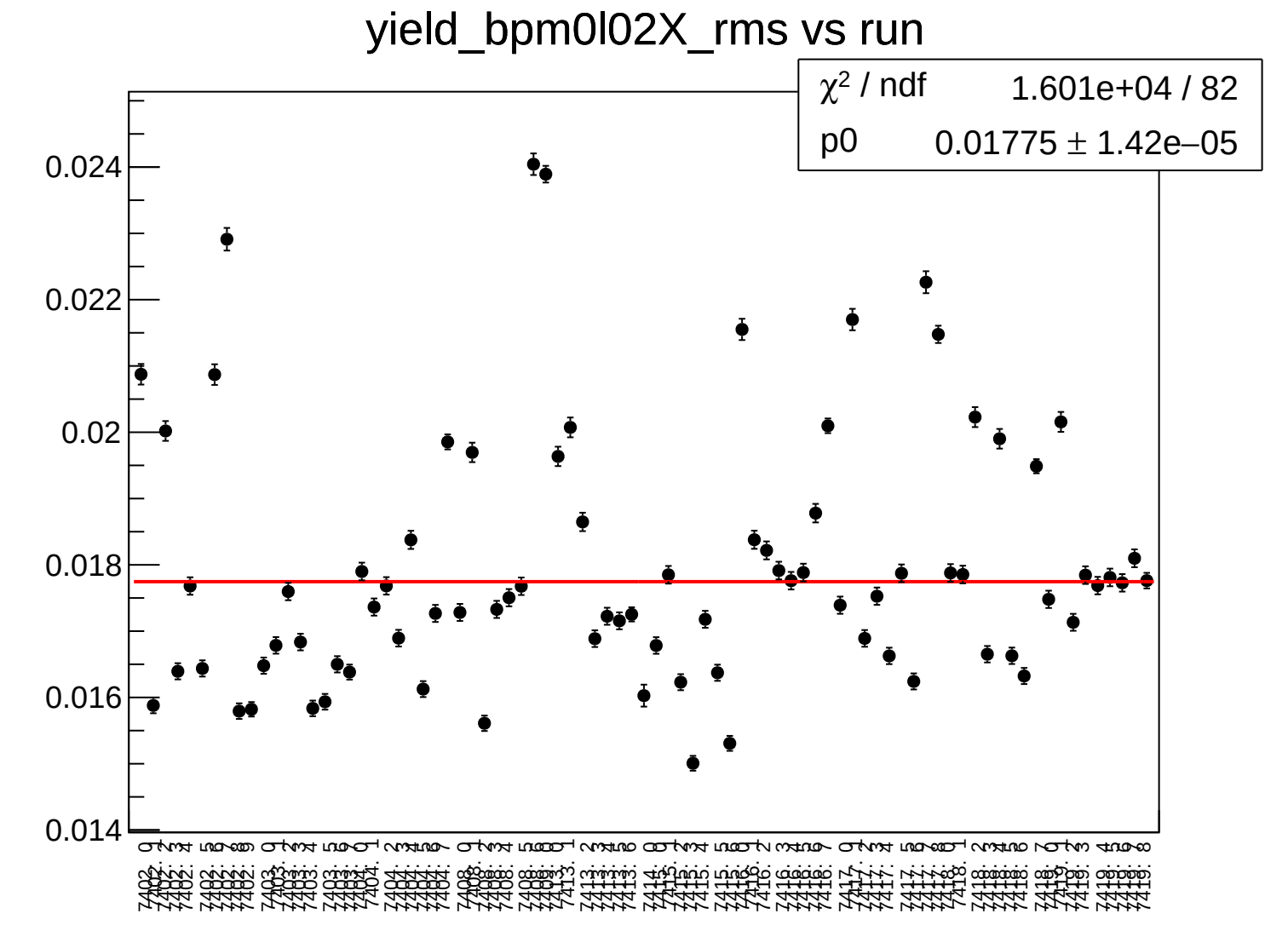

yield_bpm0l01Y_mean vs run
χ² / ndf 1.068e+07 / 82
p0 −5.888 ± 1.567e−05
−5.85
−5.9
−5.95
−6
−6.05
−6.1
pull
Entries 83
Mean 680.9
Std Dev 0
500
0
−500
−1000
−1500
−2000

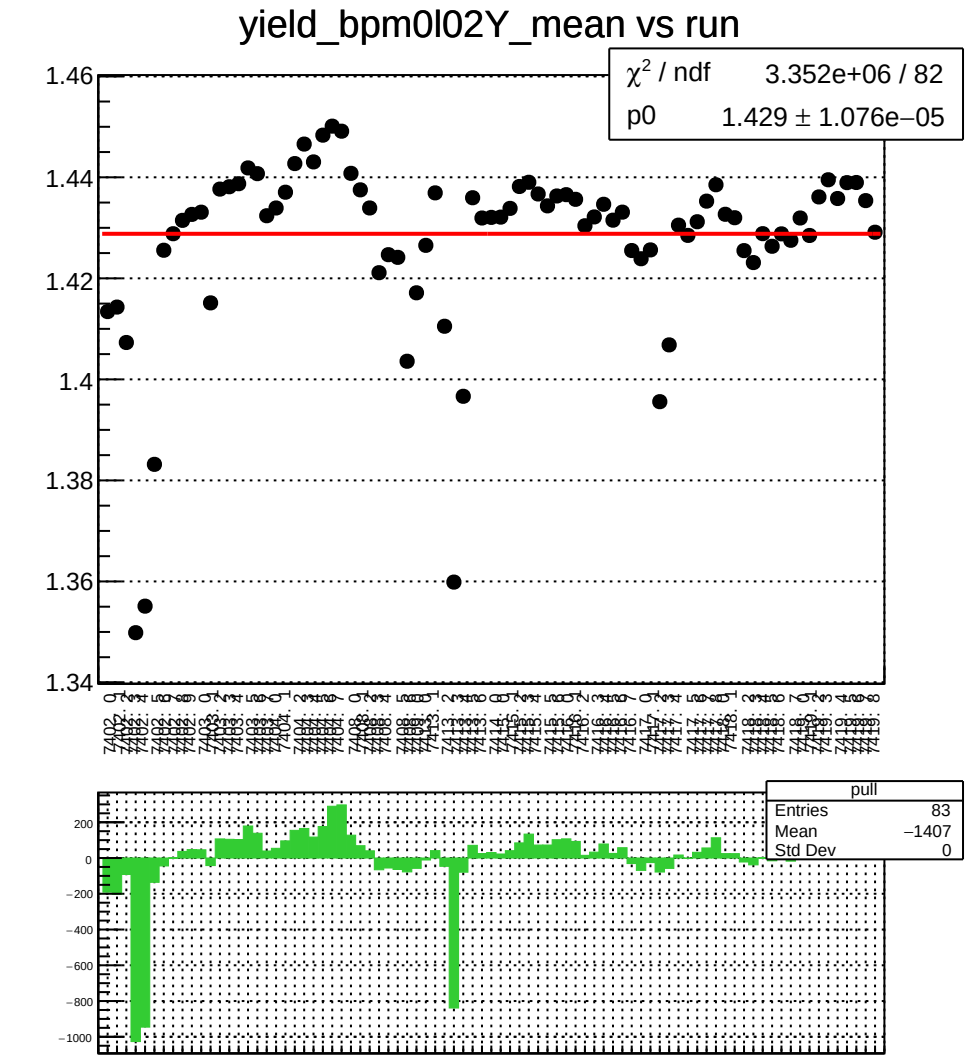

pull1D
Entries 83
Mean −3.567
Std Dev 1.623
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

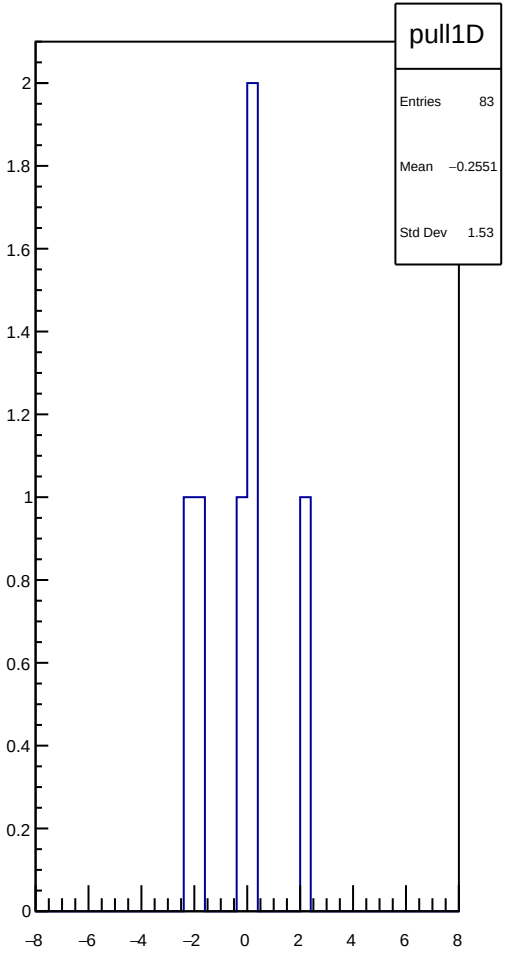

yield_bpm0l01Y_rms vs run
χ² / ndf 3.755e+05 / 82
p0 0.01216 ± 1.108e–05
0.1
0.08
0.06
0.04
0.02

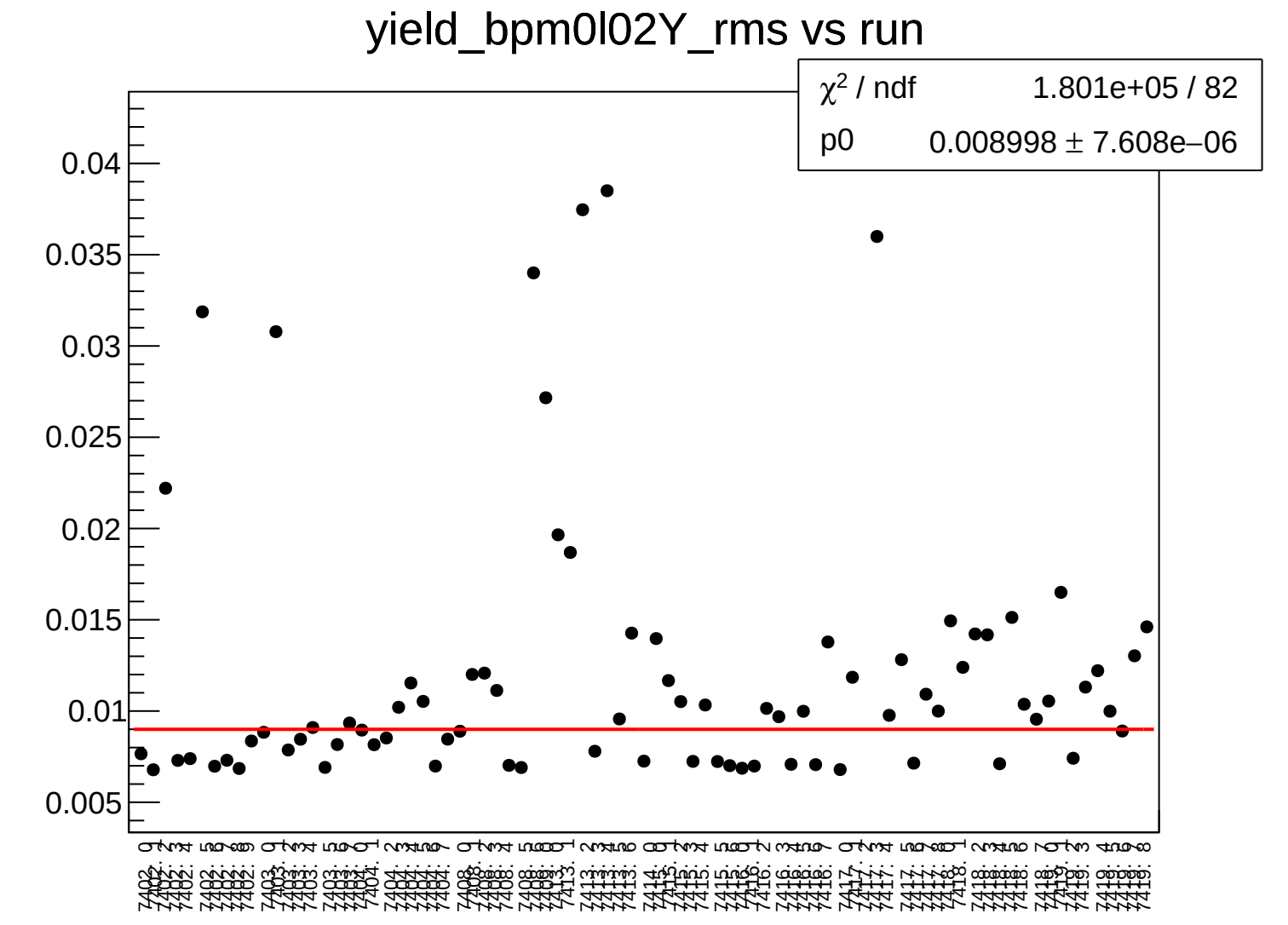

yield_bpm0l02X_mean vs run
χ² / ndf 2.121e+07 / 82
p0 −3.399 ± 2.008e−05
−3.25
−3.3
−3.35
−3.4
−3.45
−3.5
−3.55
pull
Entries 83
Mean 1465
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

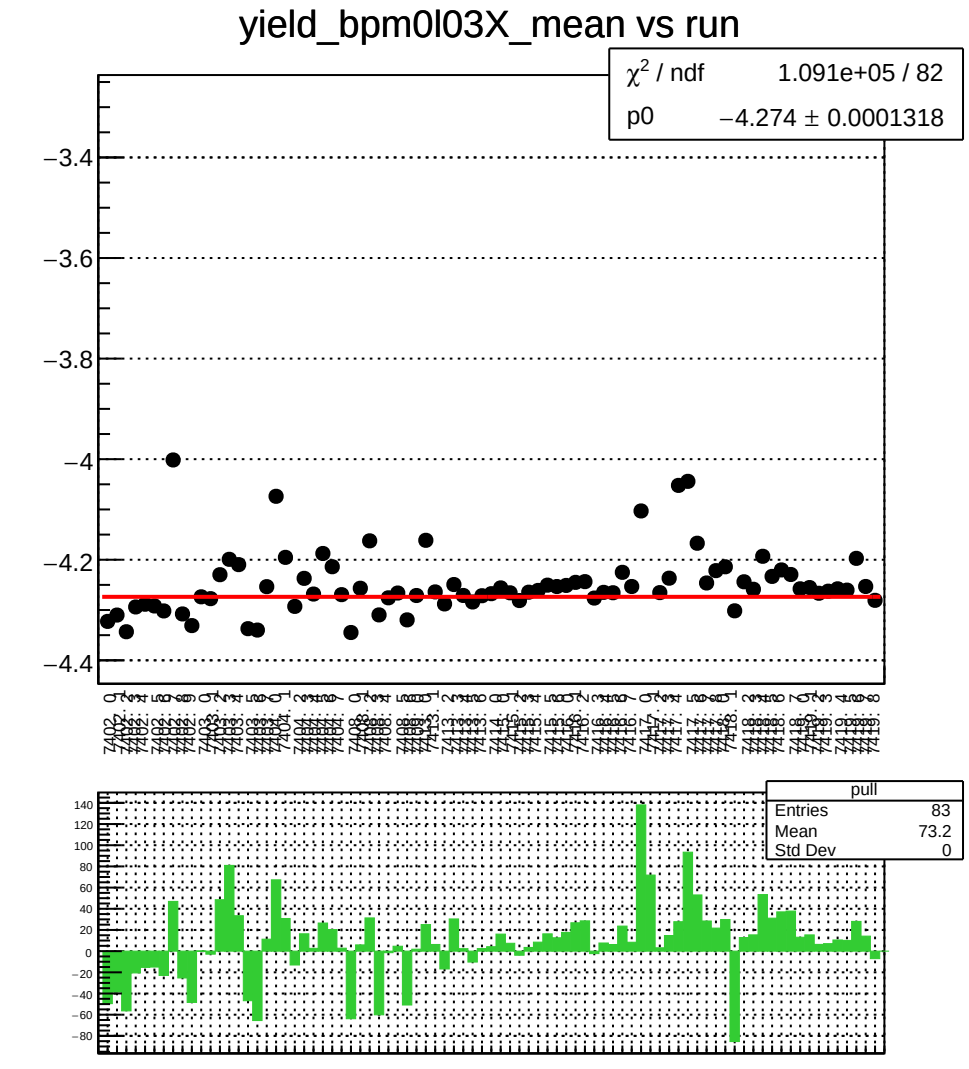

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

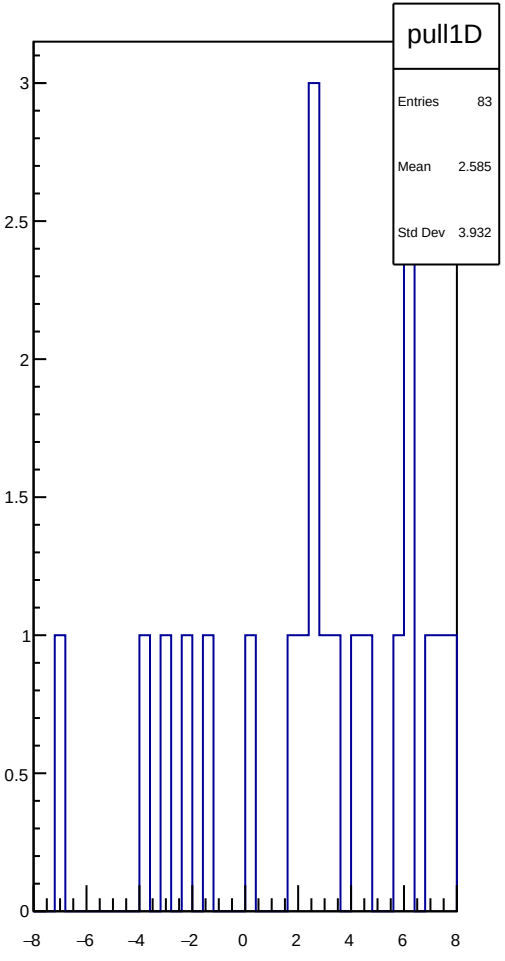

yield_bpm0l02X_rms vs run
χ² / ndf 1.601e+04 / 82
p0 0.01775 ± 1.42e−05
0.024
0.022
0.02
0.018
0.016
0.014

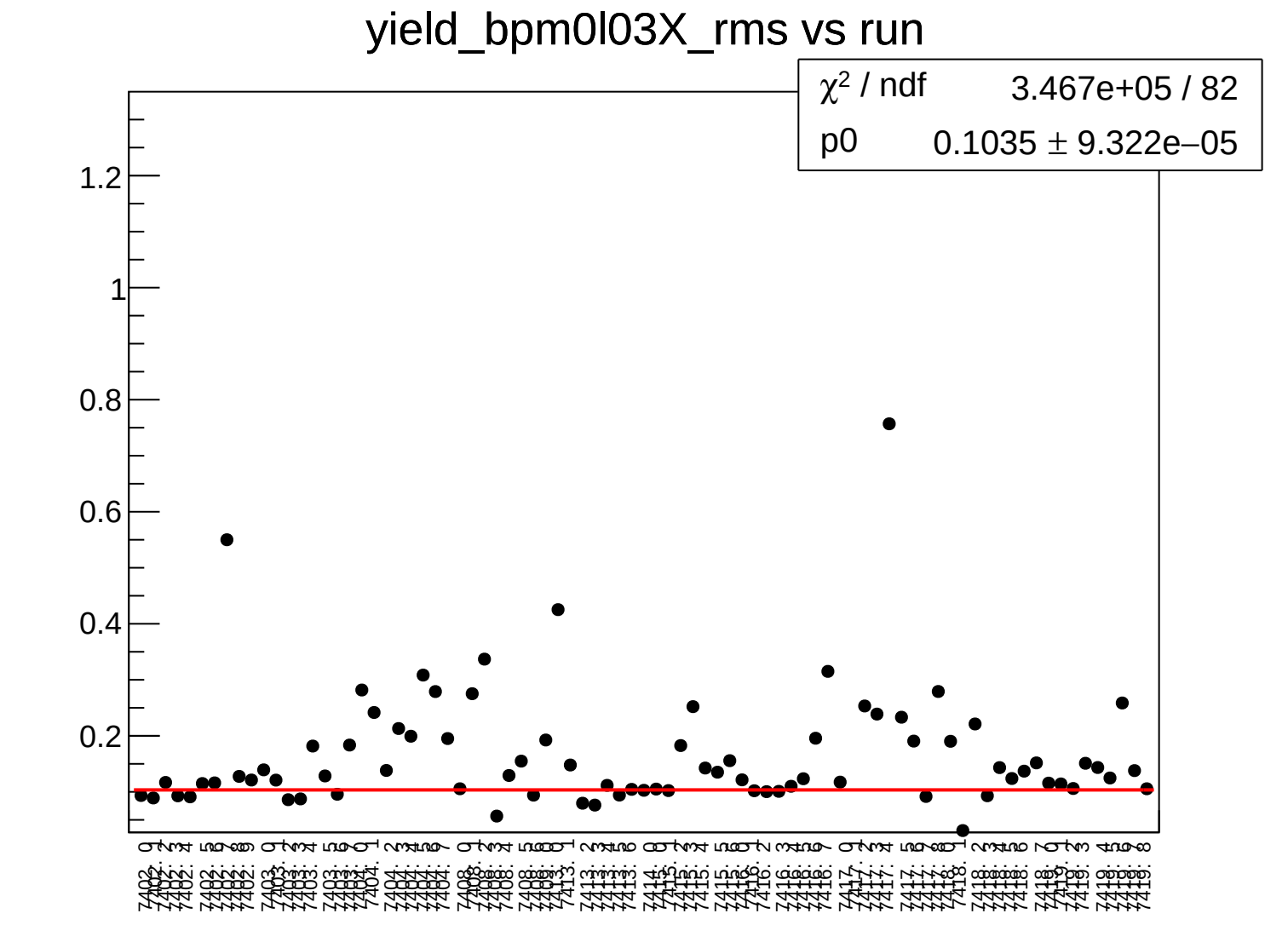

yield_bpm0l02Y_mean vs run
χ² / ndf 3.352e+06 / 82
p0 1.429 ± 1.076e−05
1.46
1.44
1.42
1.4
1.38
1.36
1.34
pull
Entries 83
Mean −1407
Std Dev 0
200
0
−200
−400
−600
−800
−1000

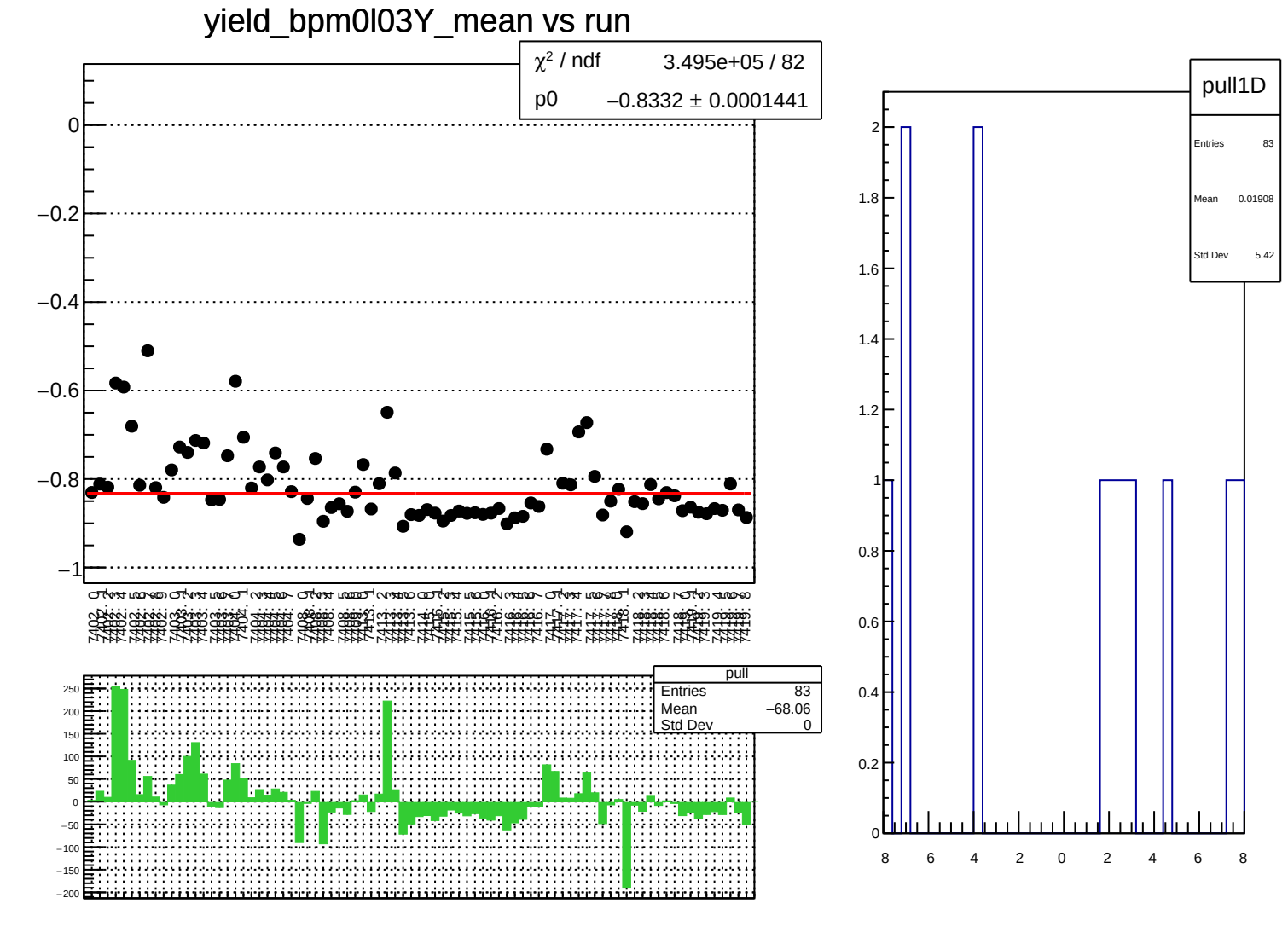

pull1D
Entries 83
Mean −0.2551
Std Dev 1.53
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

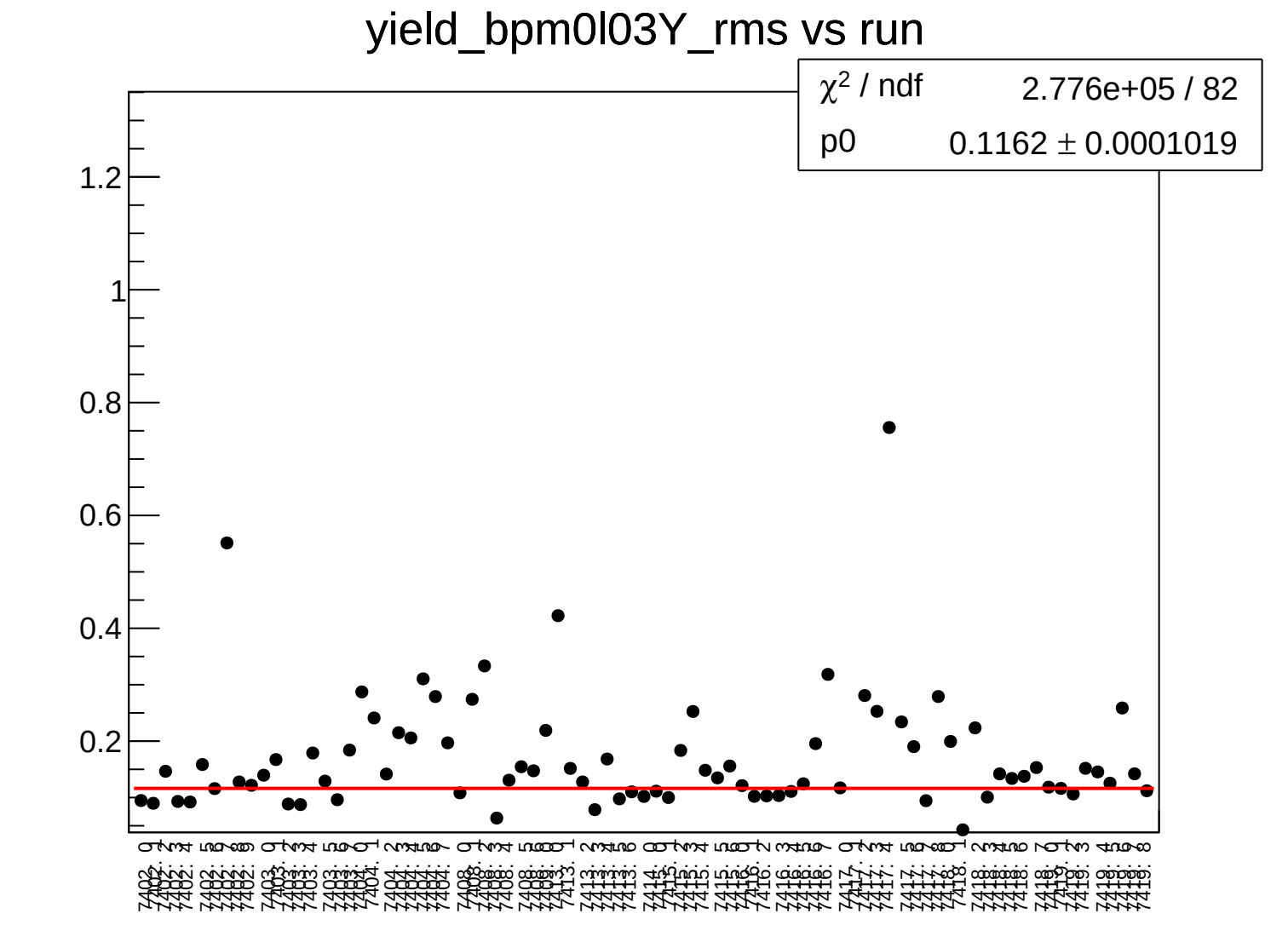

yield_bpm0l02Y_rms vs run
χ^2 / ndf 1.801e+05 / 82
p0 0.008998 ± 7.608e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

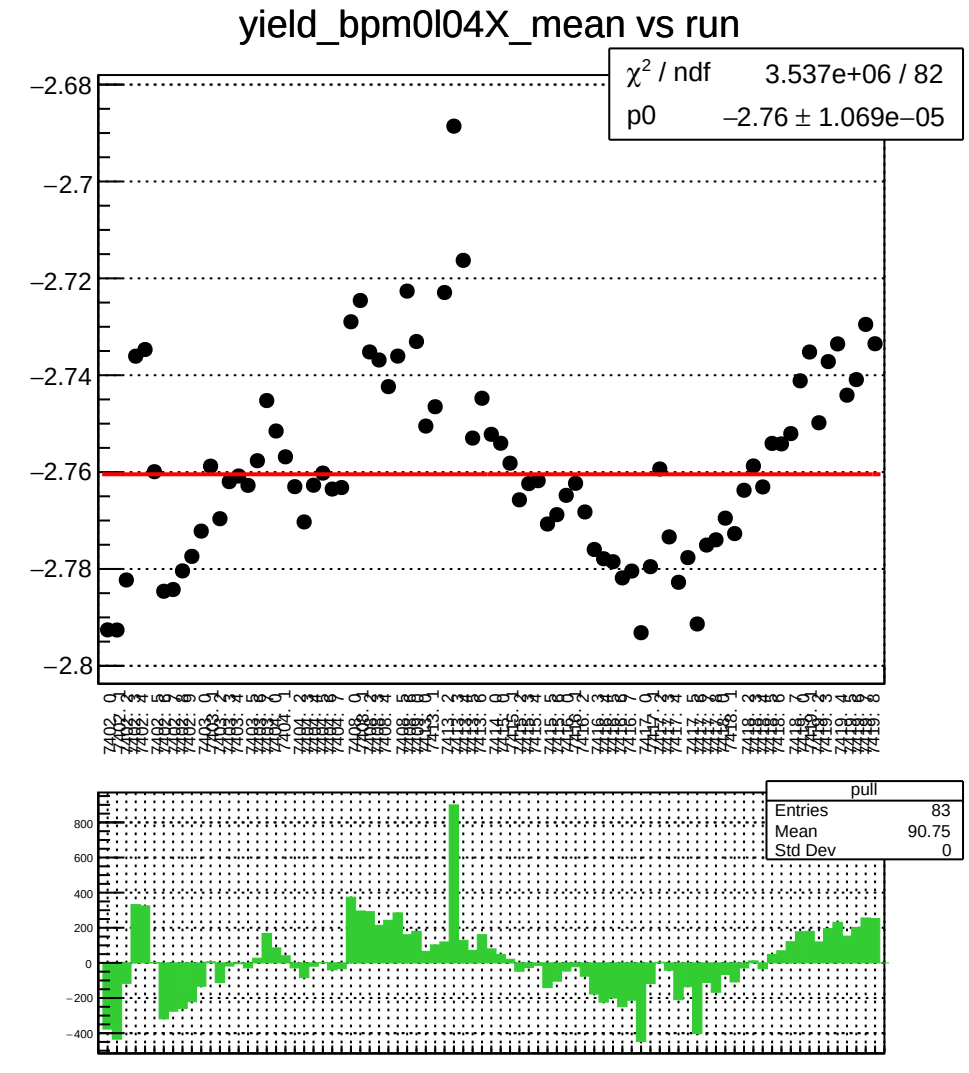

yield_bpm0l03X_mean vs run
χ² / ndf 1.091e+05 / 82
p0 −4.274 ± 0.0001318
−3.4
−3.6
−3.8
−4
−4.2
−4.4
pull
Entries 83
Mean 73.2
Std Dev 0
140
120
100
80
60
40
20
0
−20
−40
−60
−80

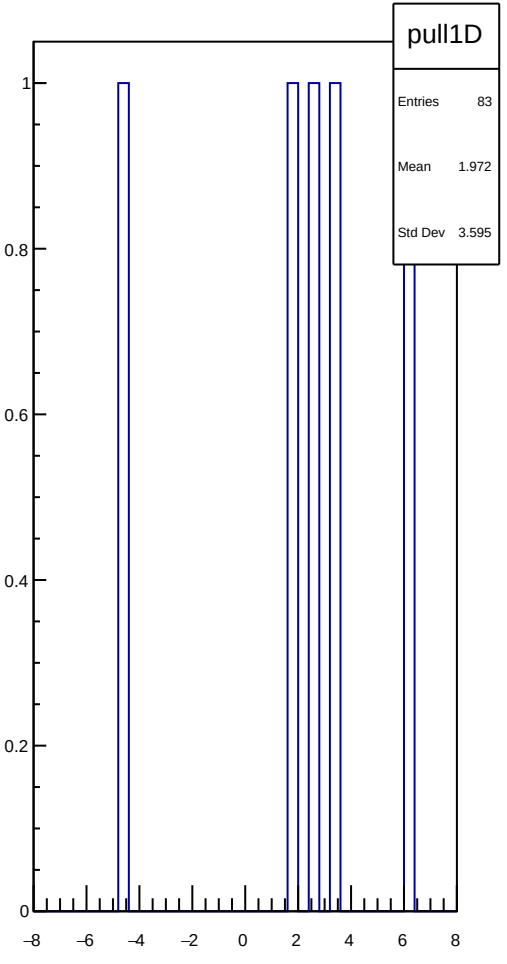

pull1D
Entries 83
Mean 2.585
Std Dev 3.932
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

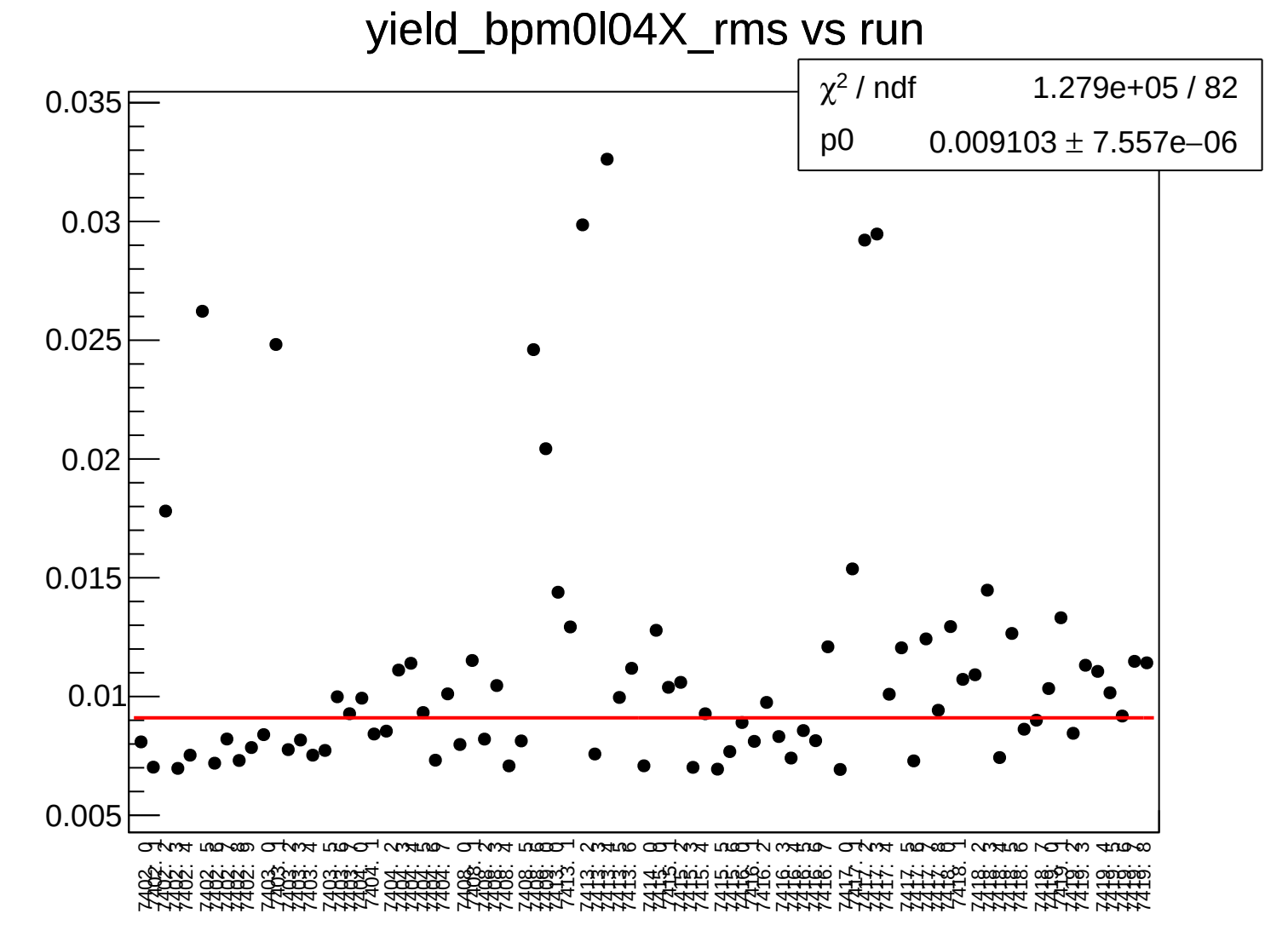

yield_bpm0l03X_rms vs run
χ² / ndf 3.467e+05 / 82
p0 0.1035 ± 9.322e−05
1.2
1
0.8
0.6
0.4
0.2

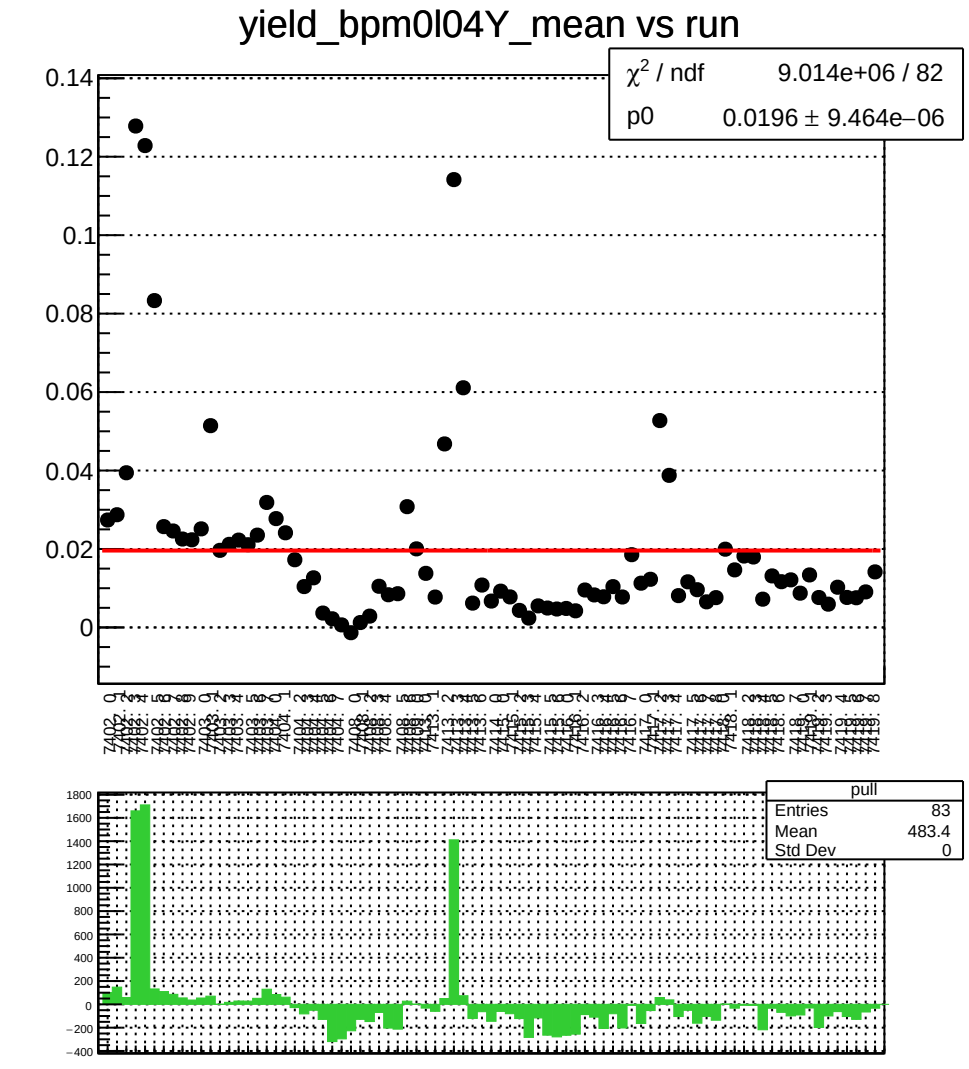

yield_bpm0l03Y_mean vs run
χ² / ndf 3.495e+05 / 82
p0 −0.8332 ± 0.0001441
pull
Entries 83
Mean −68.06
Std Dev 0
pull1D
Entries 83
Mean 0.01908
Std Dev 5.42

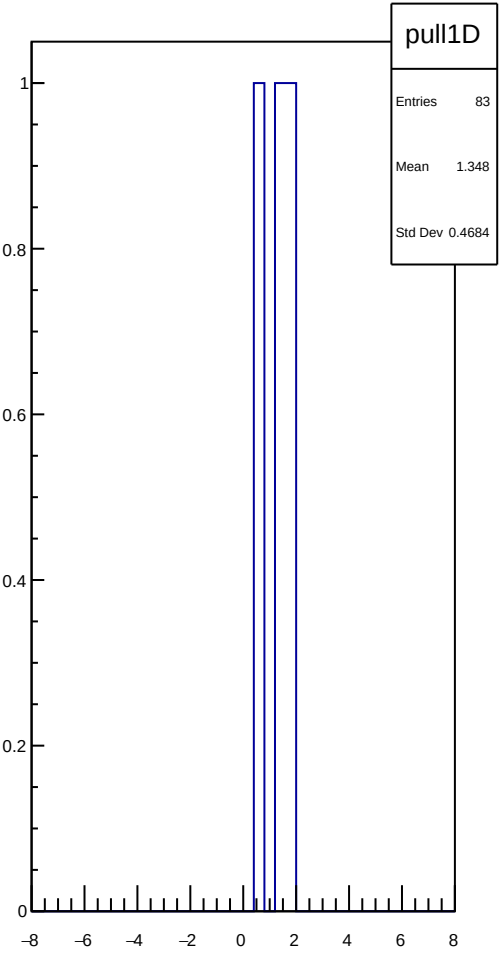

yield_bpm0l03Y_rms vs run
χ² / ndf 2.776e+05 / 82
p0 0.1162 ± 0.0001019
1.2
1
0.8
0.6
0.4
0.2

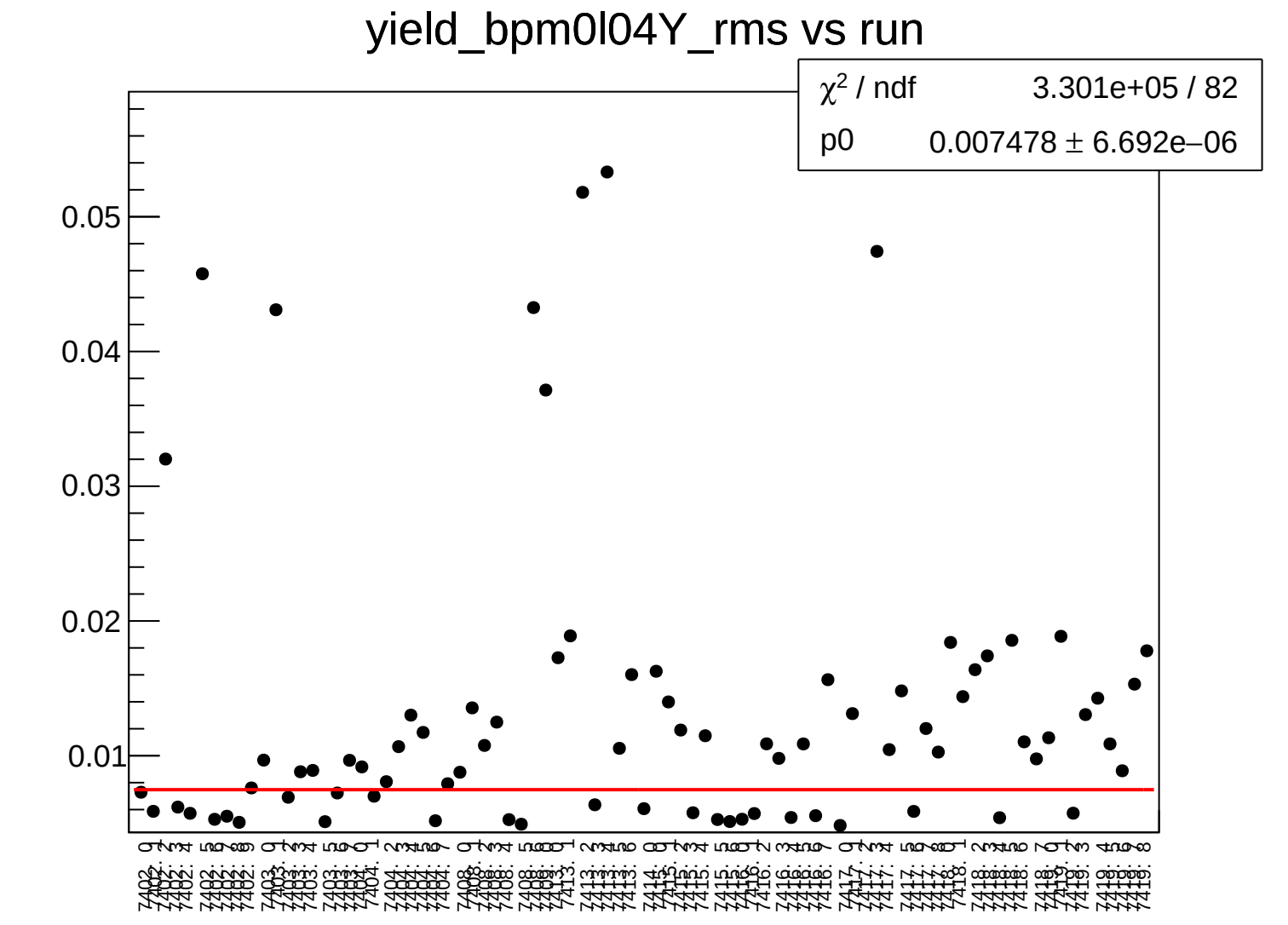

yield_bpm0l04X_mean vs run
χ² / ndf 3.537e+06 / 82
p0 −2.76 ± 1.069e−05
−2.68
−2.7
−2.72
−2.74
−2.76
−2.78
−2.8
pull
Entries 83
Mean 90.75
Std Dev 0
800
600
400
200
0
−200
−400

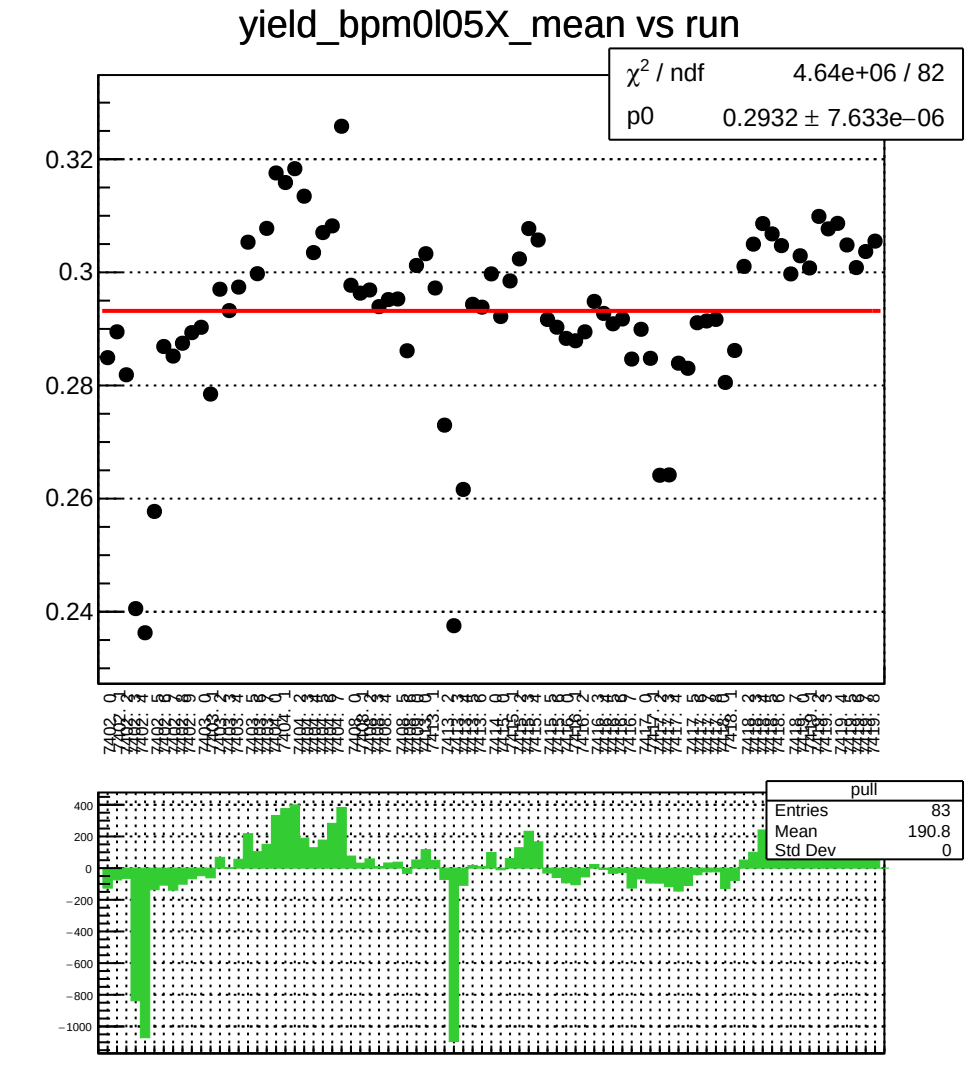

pull1D
Entries 83
Mean 1.972
Std Dev 3.595
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

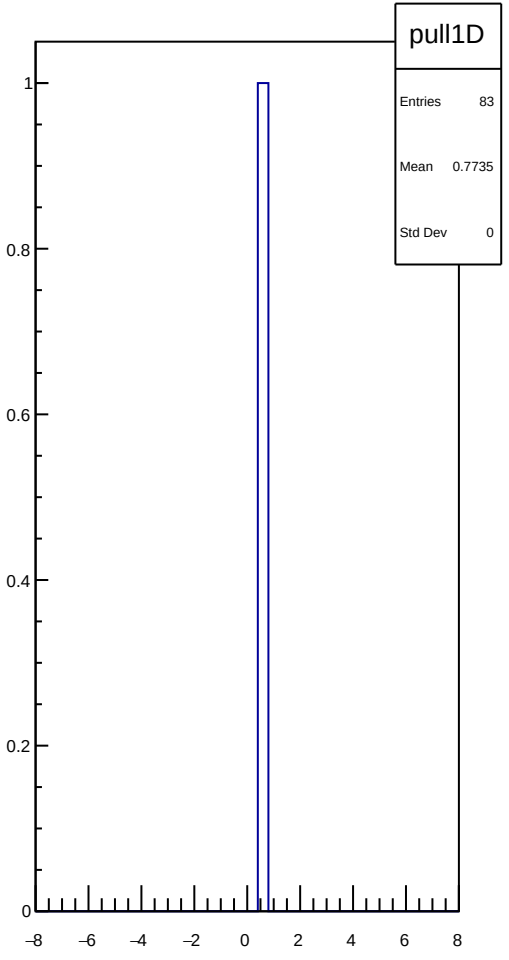

yield_bpm0l04X_rms vs run
χ² / ndf 1.279e+05 / 82
p0 0.009103 ± 7.557e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

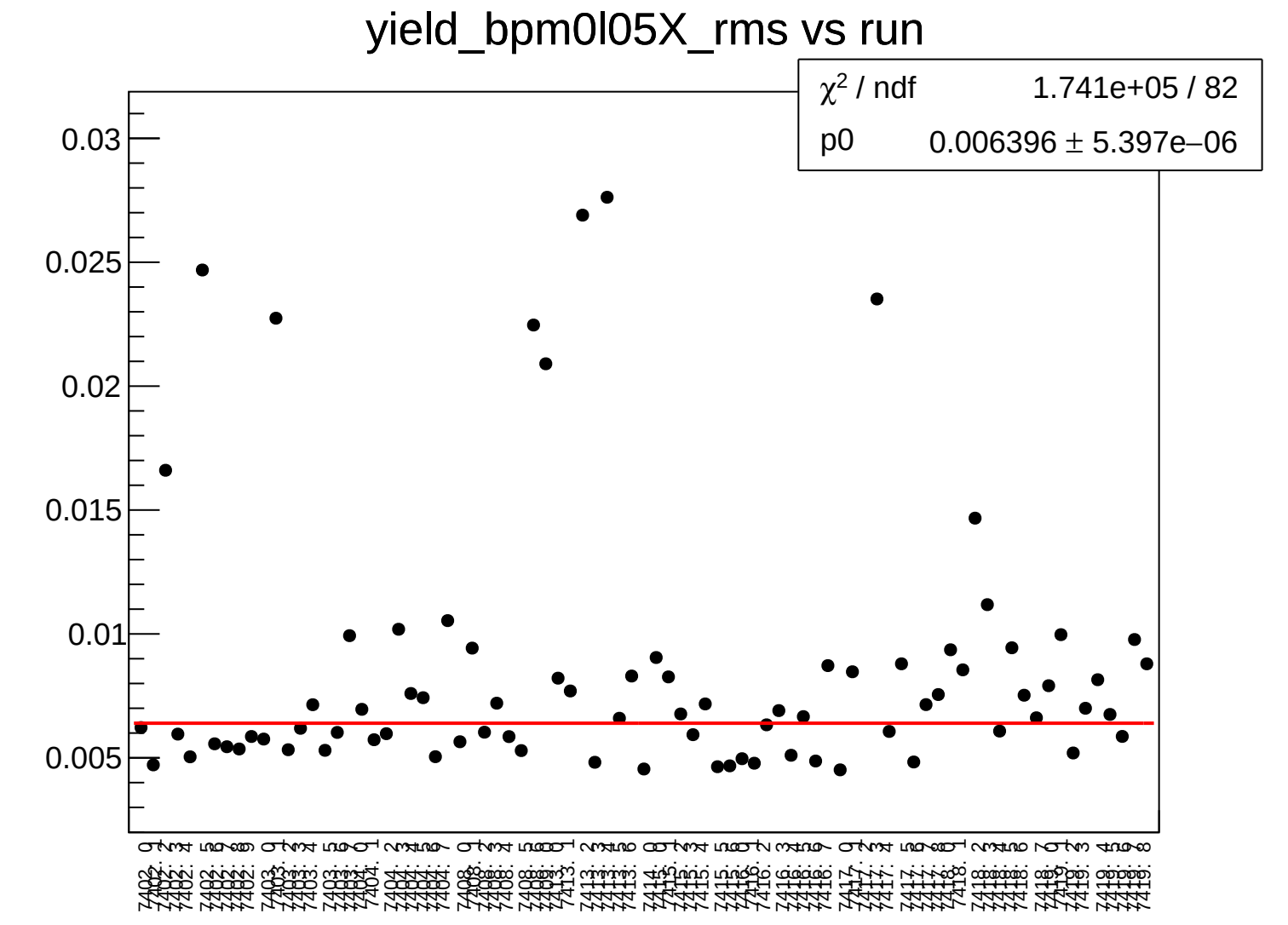

yield_bpm0l04Y_mean vs run
χ² / ndf 9.014e+06 / 82
p0 0.0196 ± 9.464e−06
pull
Entries 83
Mean 483.4
Std Dev 0

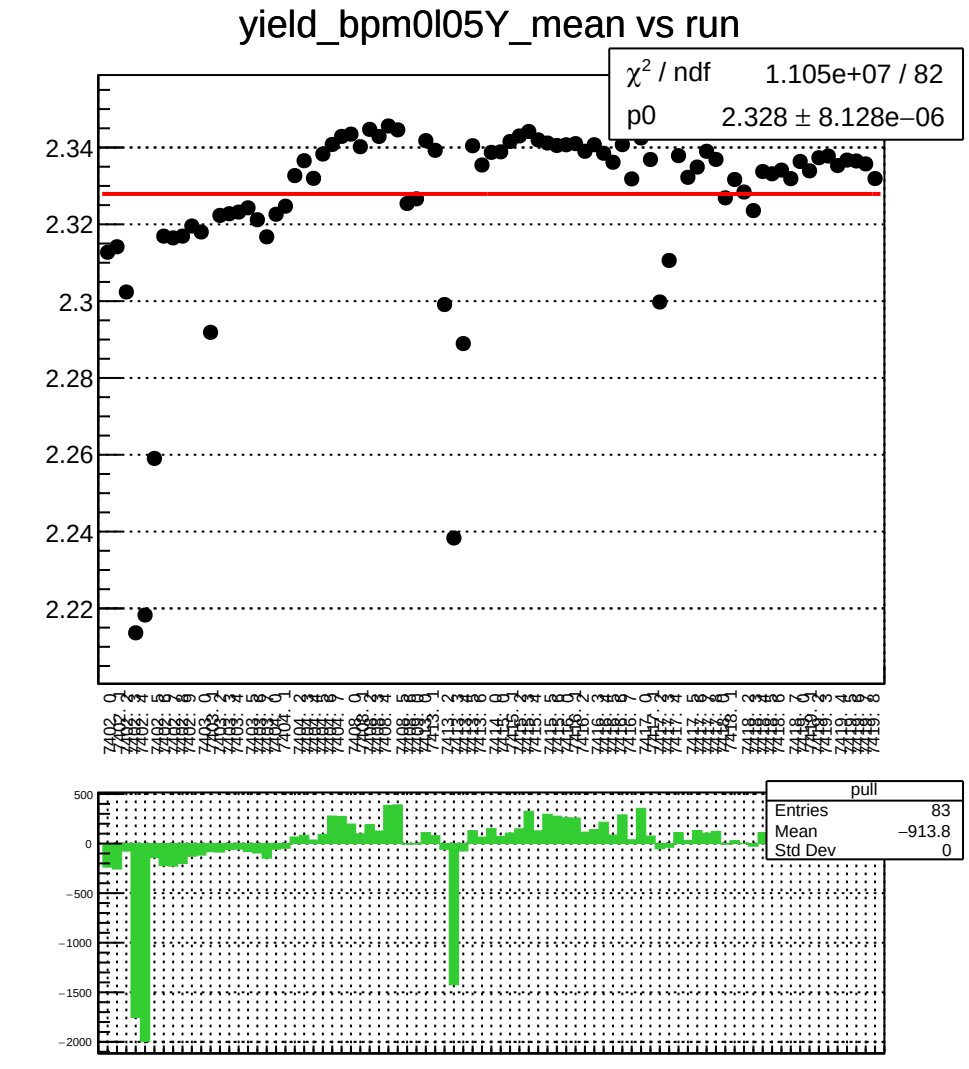

pull1D
Entries 83
Mean 1.348
Std Dev 0.4684

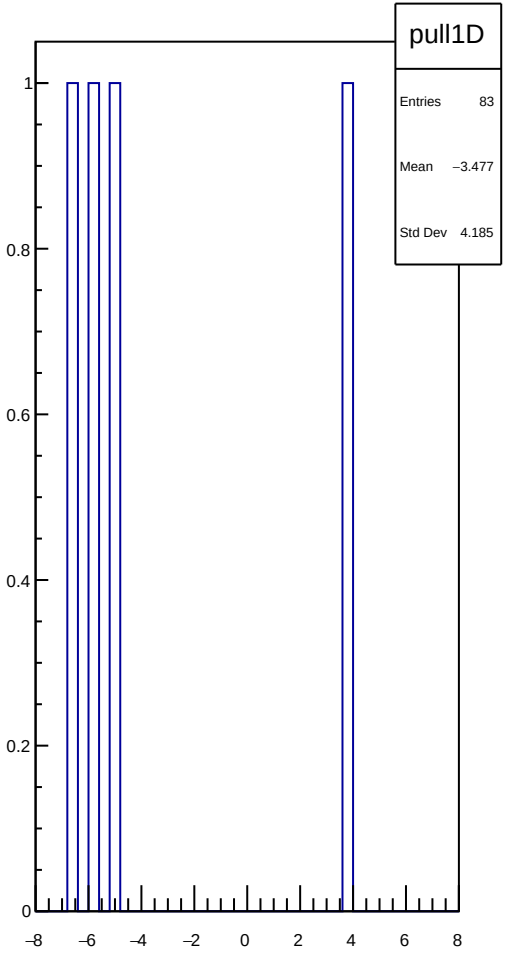

yield_bpm0l04Y_rms vs run
χ² / ndf 3.301e+05 / 82
p0 0.007478 ± 6.692e−06
0.05
0.04
0.03
0.02
0.01

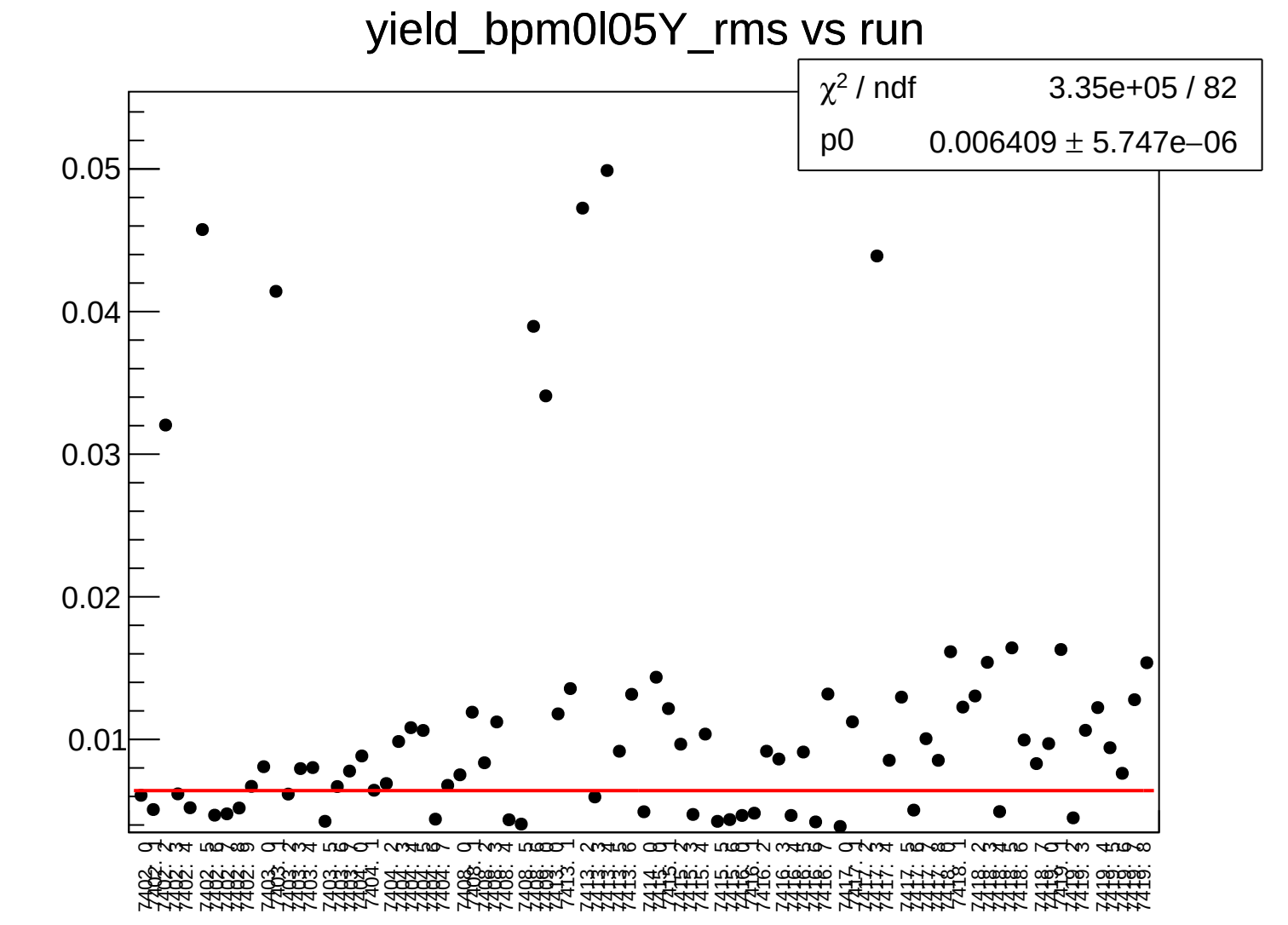

yield_bpm0l05X_mean vs run
χ² / ndf 4.64e+06 / 82
p0 0.2932 ± 7.633e−06
0.32
0.3
0.28
0.26
0.24
pull
Entries 83
Mean 190.8
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

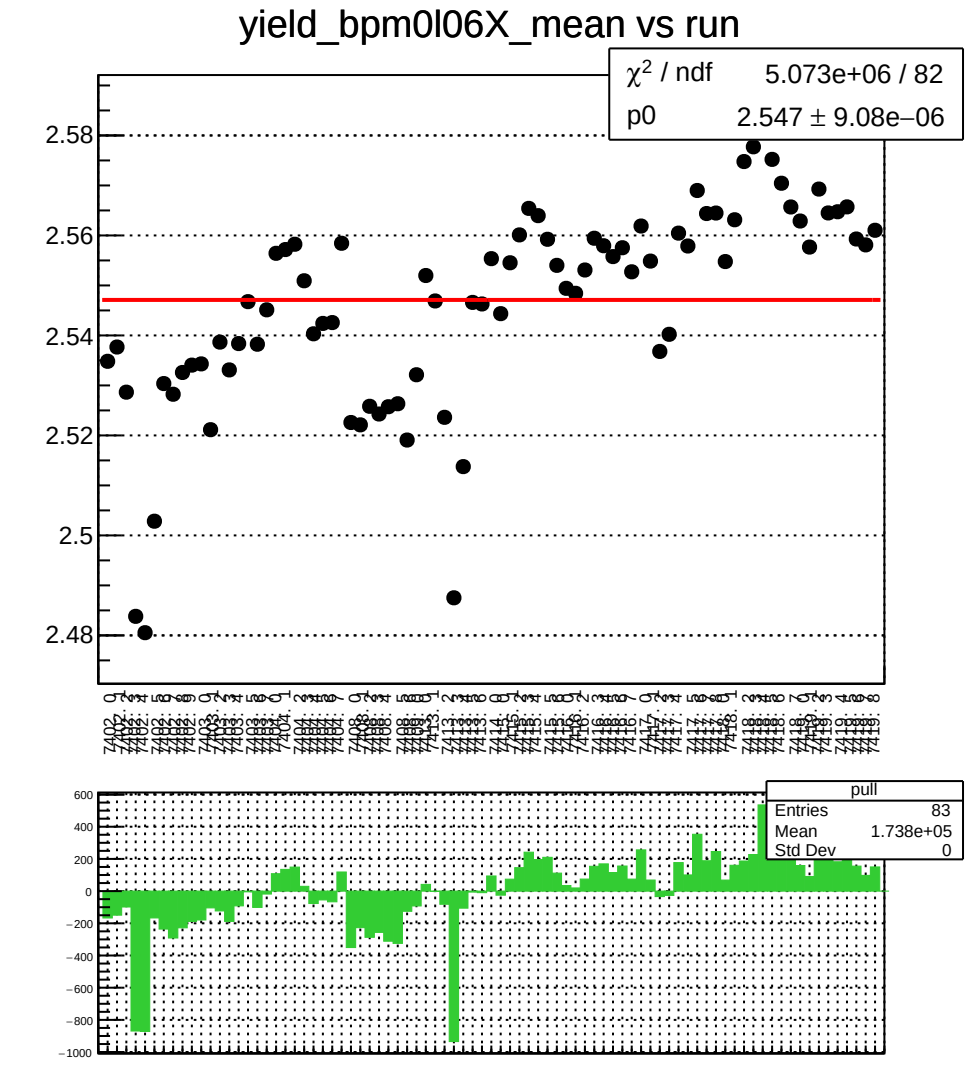

pull1D
Entries 83
Mean 0.7735
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

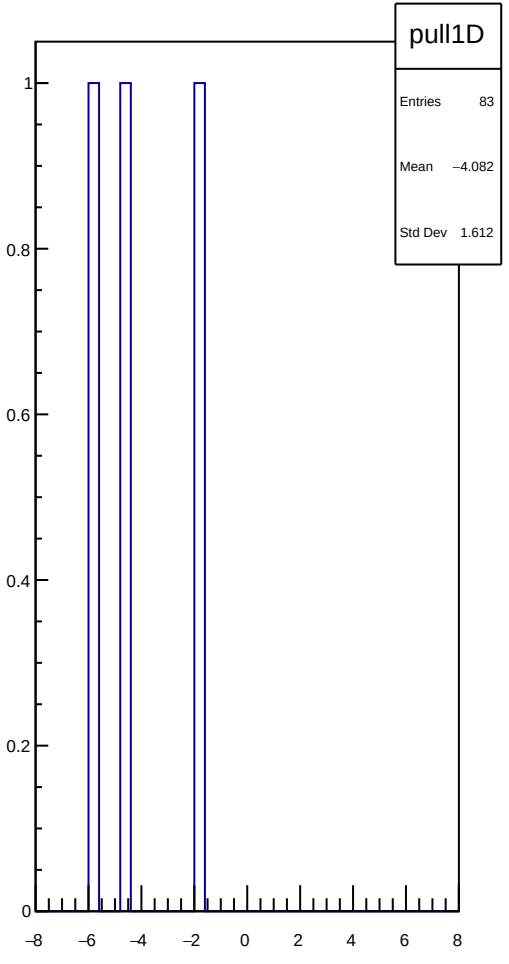

yield_bpm0l05X_rms vs run
χ^2 / ndf 1.741e+05 / 82
p0 0.006396 ± 5.397e−06
0.03
0.025
0.02
0.015
0.01
0.005

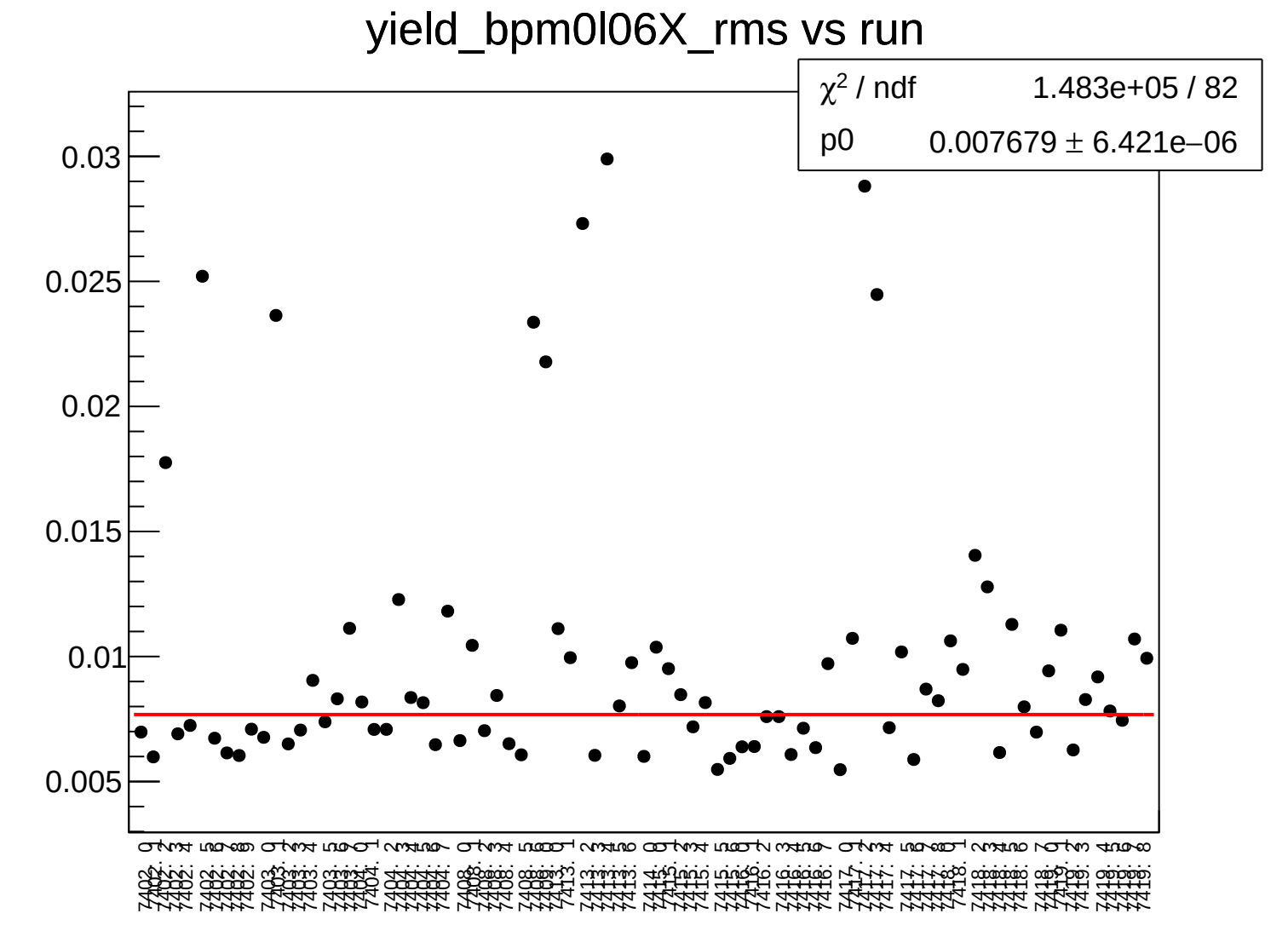

yield_bpm0l05Y_mean vs run
χ² / ndf 1.105e+07 / 82
p0 2.328 ± 8.128e−06
2.34
2.32
2.3
2.28
2.26
2.24
2.22
pull
Entries 83
Mean −913.8
Std Dev 0
500
0
−500
−1000
−1500
−2000

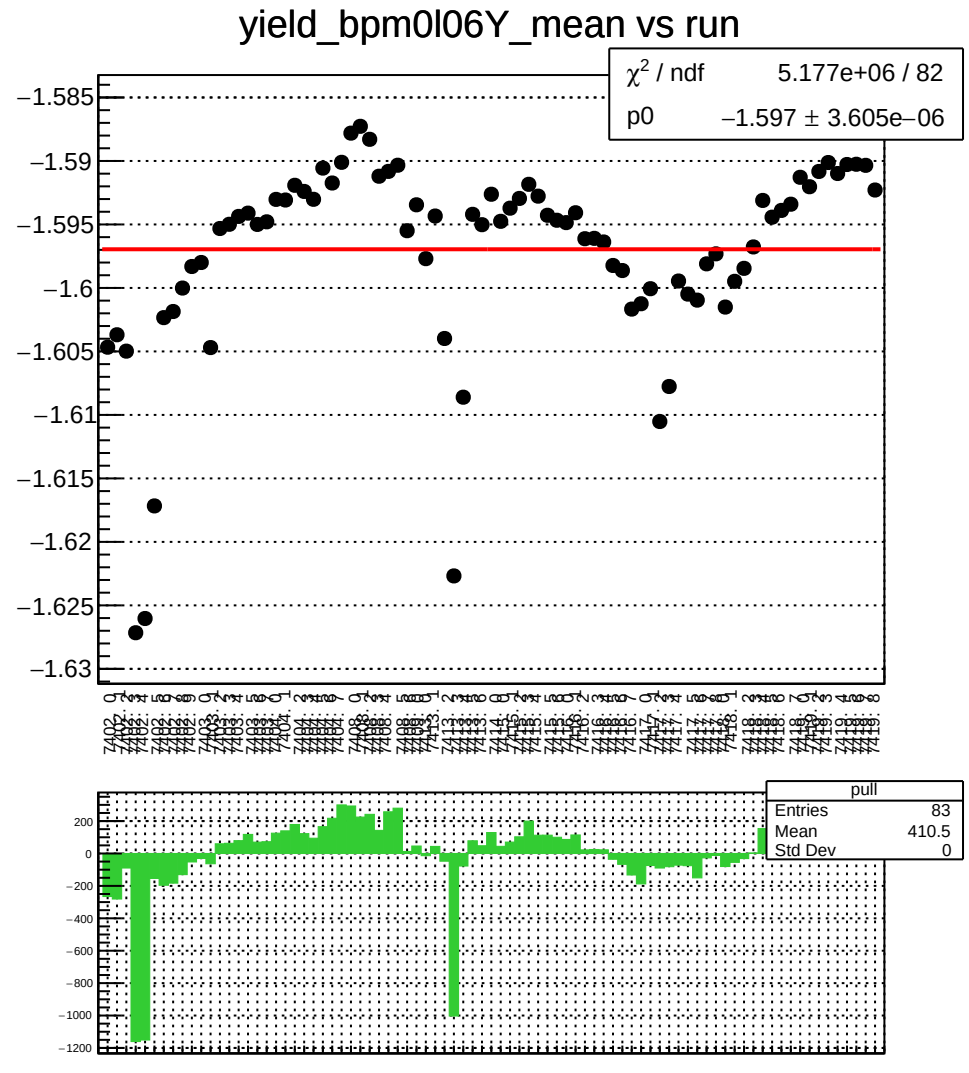

pull1D
Entries 83
Mean −3.477
Std Dev 4.185
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

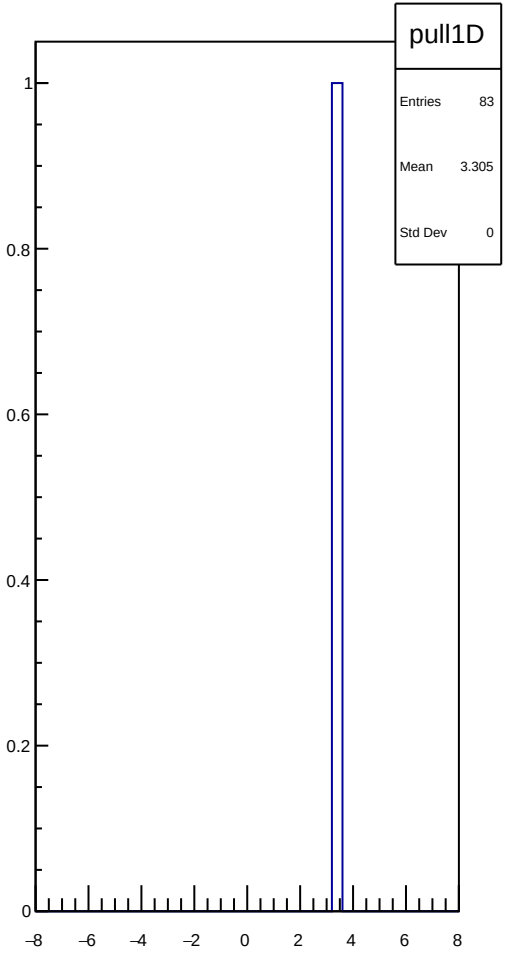

yield_bpm0l05Y_rms vs run
χ² / ndf 3.35e+05 / 82
p0 0.006409 ± 5.747e−06
0.05
0.04
0.03
0.02
0.01

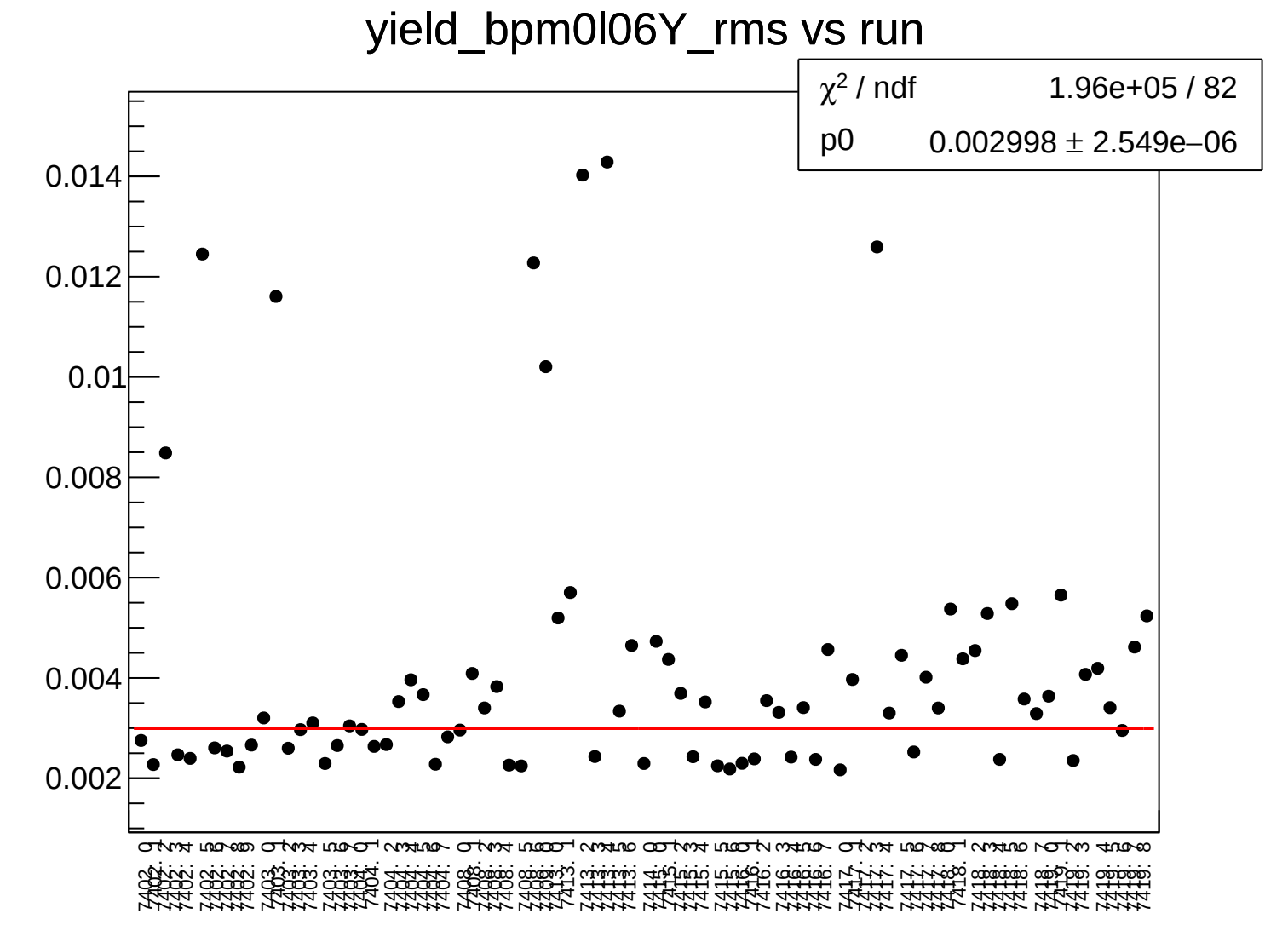

yield_bpm0l06X_mean vs run
χ² / ndf 5.073e+06 / 82
p0 2.547 ± 9.08e−06
2.58
2.56
2.54
2.52
2.5
2.48
pull
Entries 83
Mean 1.738e+05
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000

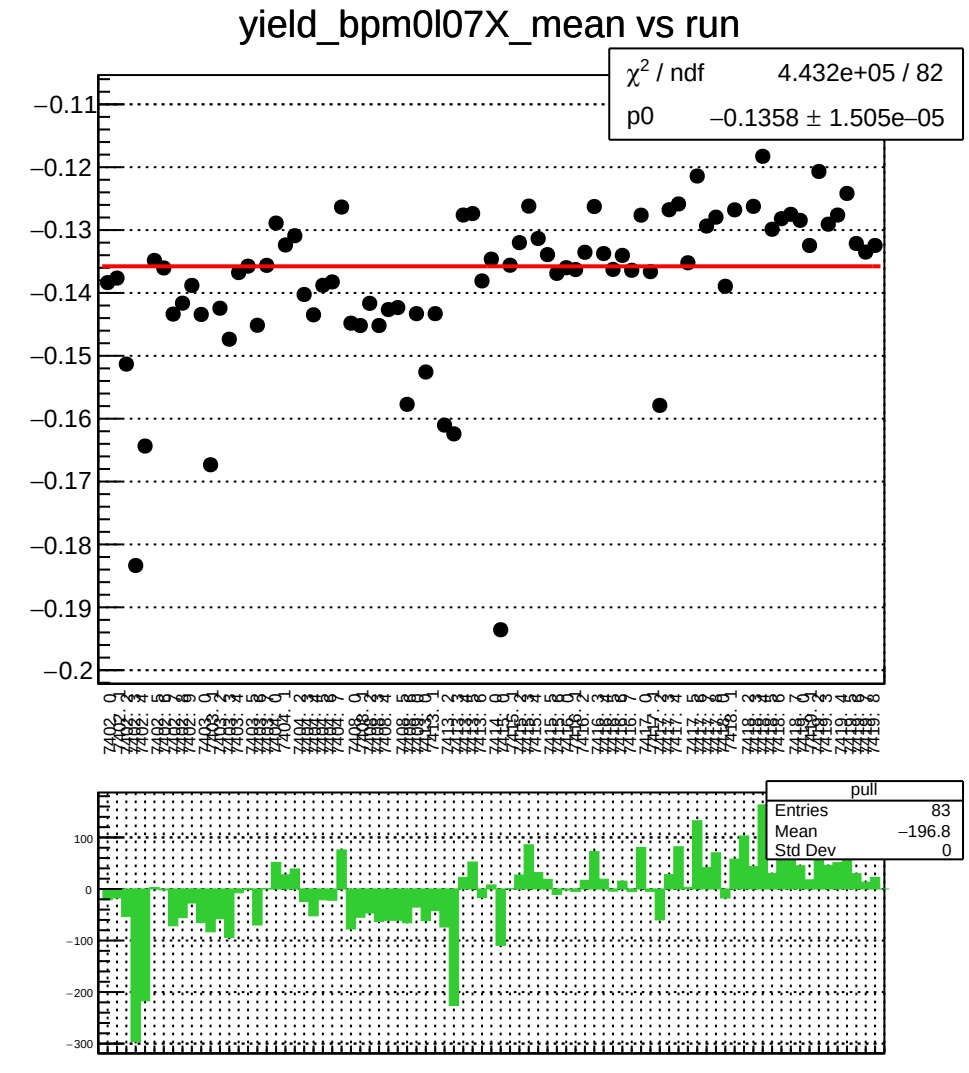

pull1D
Entries 83
Mean −4.082
Std Dev 1.612
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

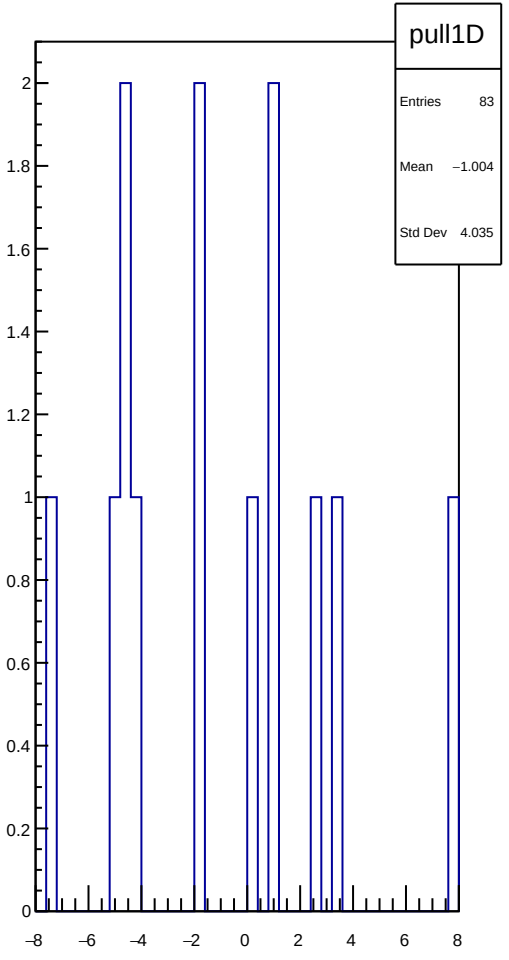

yield_bpm0l06X_rms vs run
χ² / ndf 1.483e+05 / 82
p0 0.007679 ± 6.421e−06
0.03
0.025
0.02
0.015
0.01
0.005

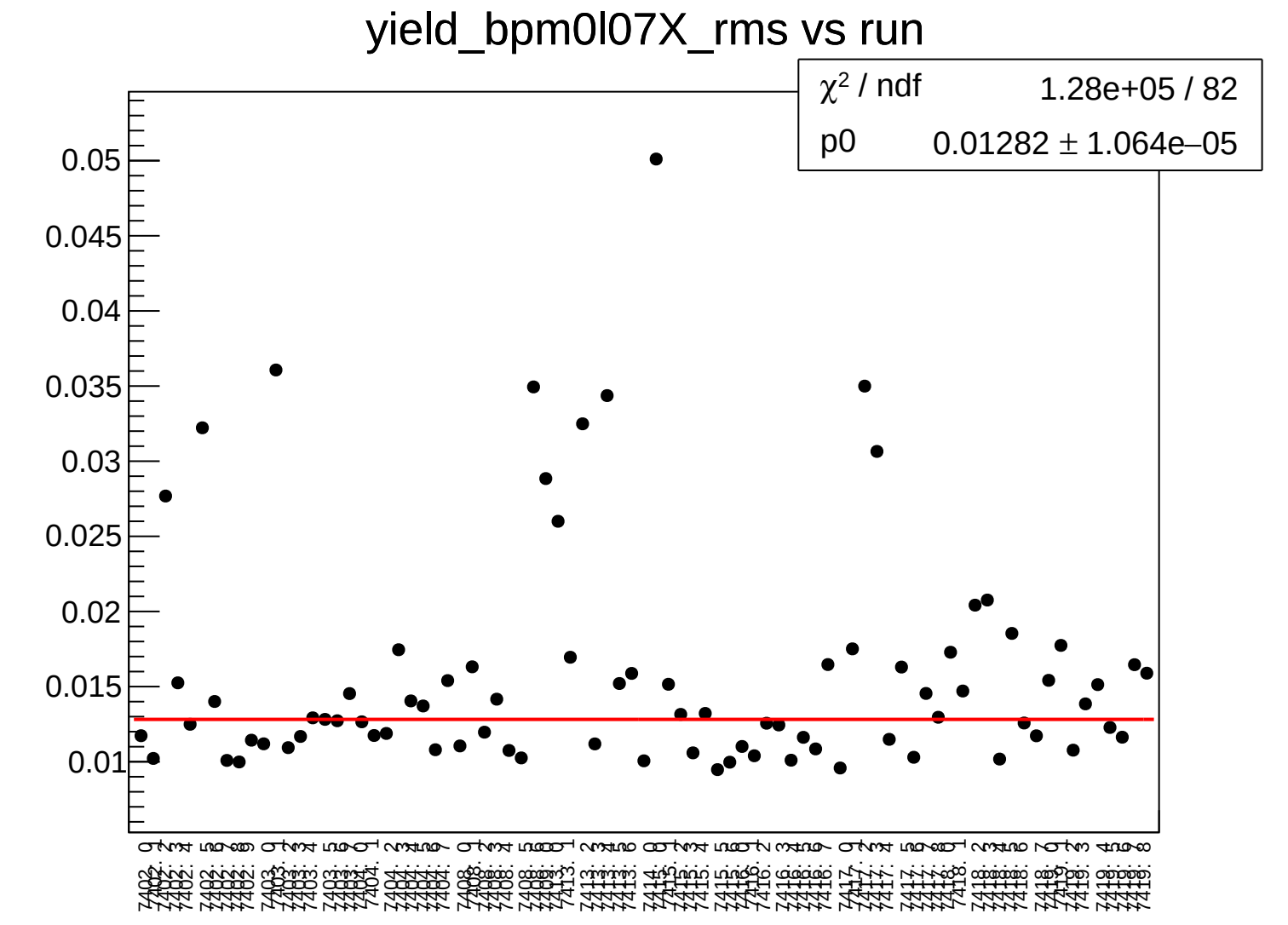

yield_bpm0l06Y_mean vs run
χ² / ndf 5.177e+06 / 82
p0 −1.597 ± 3.605e−06
−1.585
−1.59
−1.595
−1.6
−1.605
−1.61
−1.615
−1.62
−1.625
−1.63
pull
Entries 83
Mean 410.5
Std Dev 0
200
0
−200
−400
−600
−800
−1000
−1200

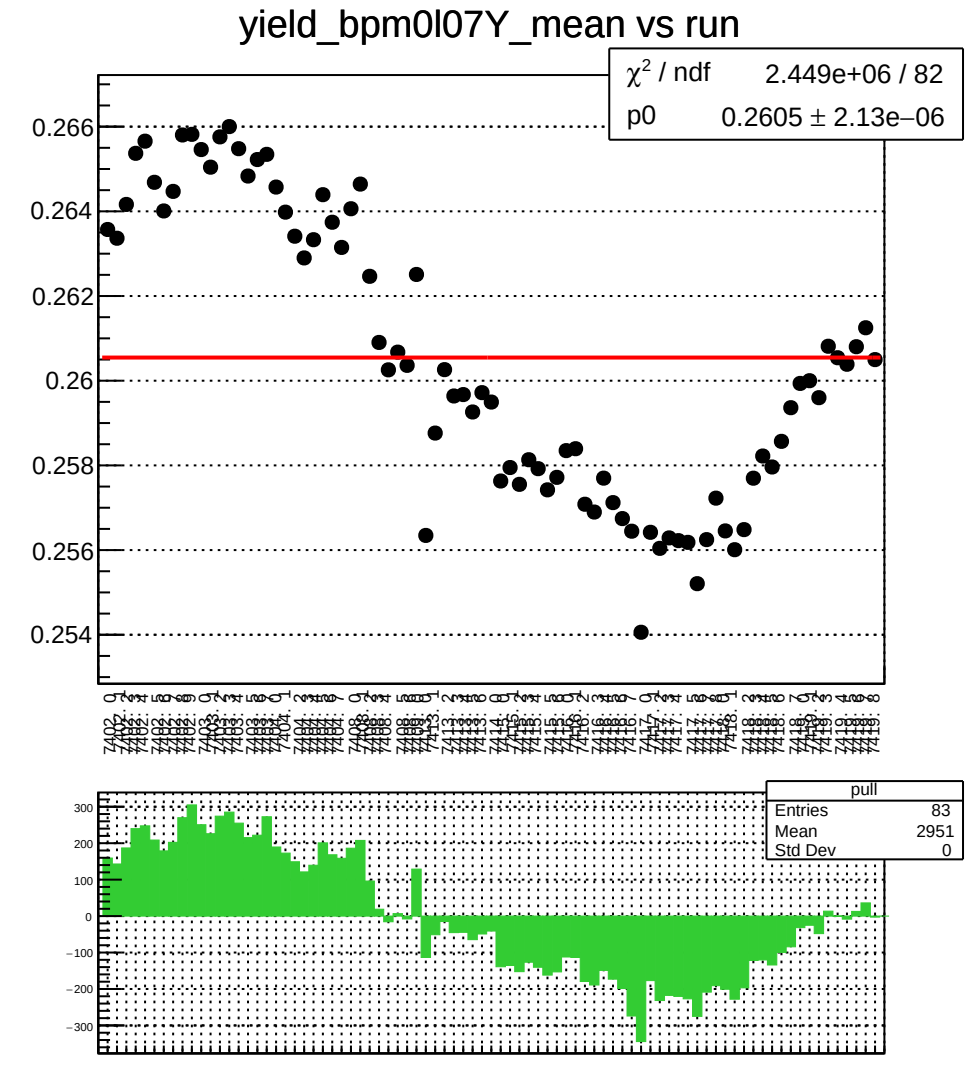

pull1D
Entries 83
Mean 3.305
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

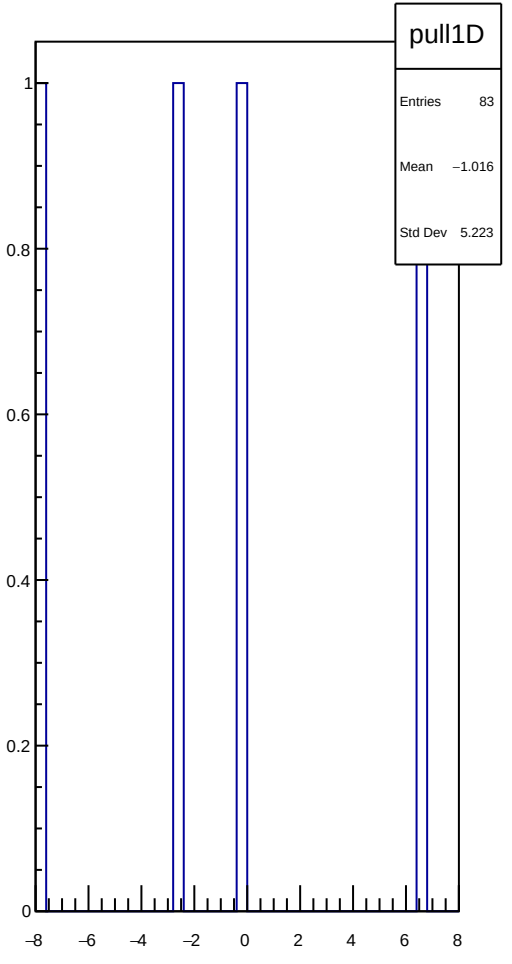

yield_bpm0l06Y_rms vs run
χ² / ndf 1.96e+05 / 82
p0 0.002998 ± 2.549e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

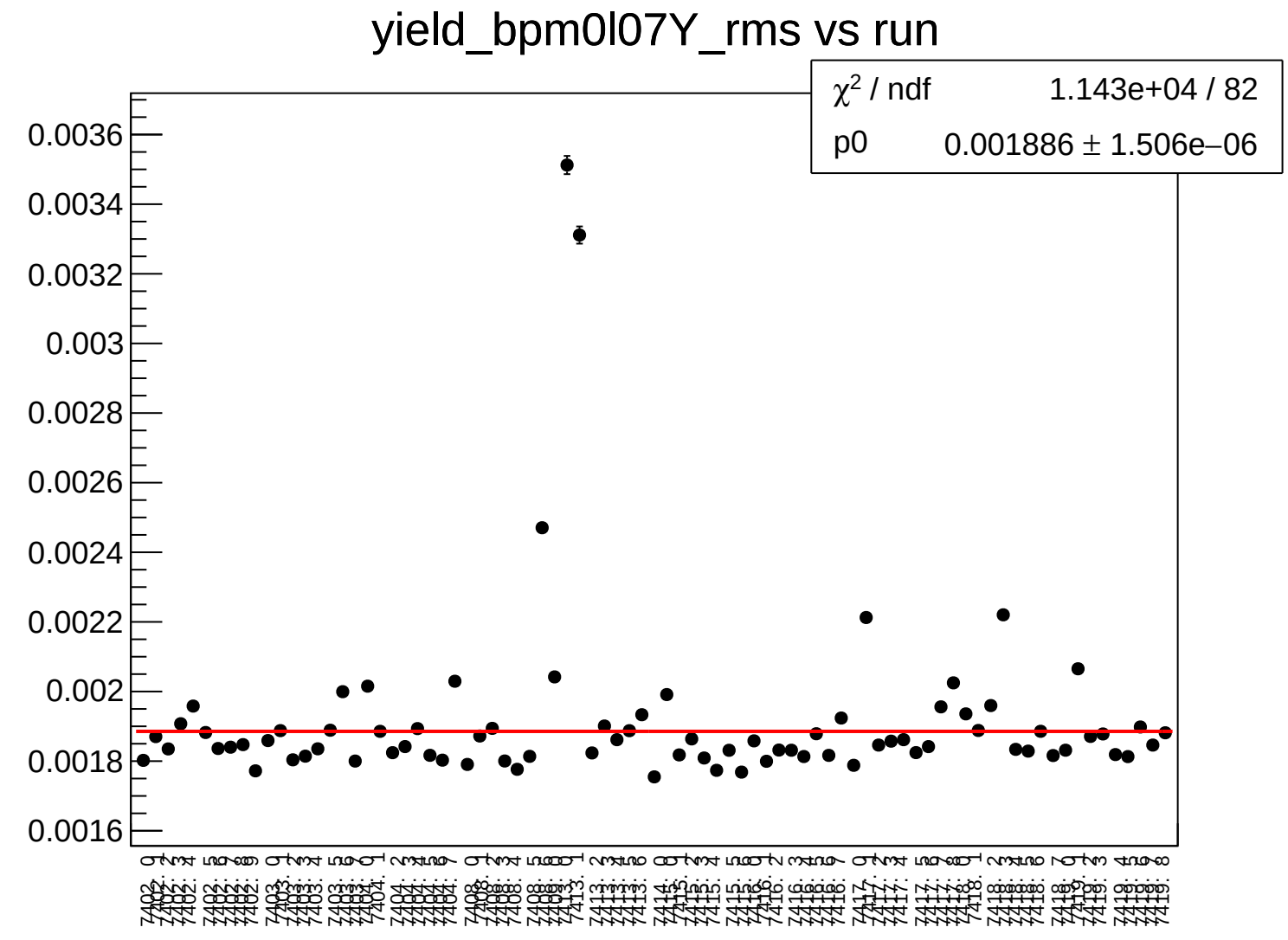

yield_bpm0l07X_mean vs run
χ² / ndf 4.432e+05 / 82
p0 −0.1358 ± 1.505e−05
−0.11
−0.12
−0.13
−0.14
−0.15
−0.16
−0.17
−0.18
−0.19
−0.2
pull
Entries 83
Mean −196.8
Std Dev 0
100
0
−100
−200
−300

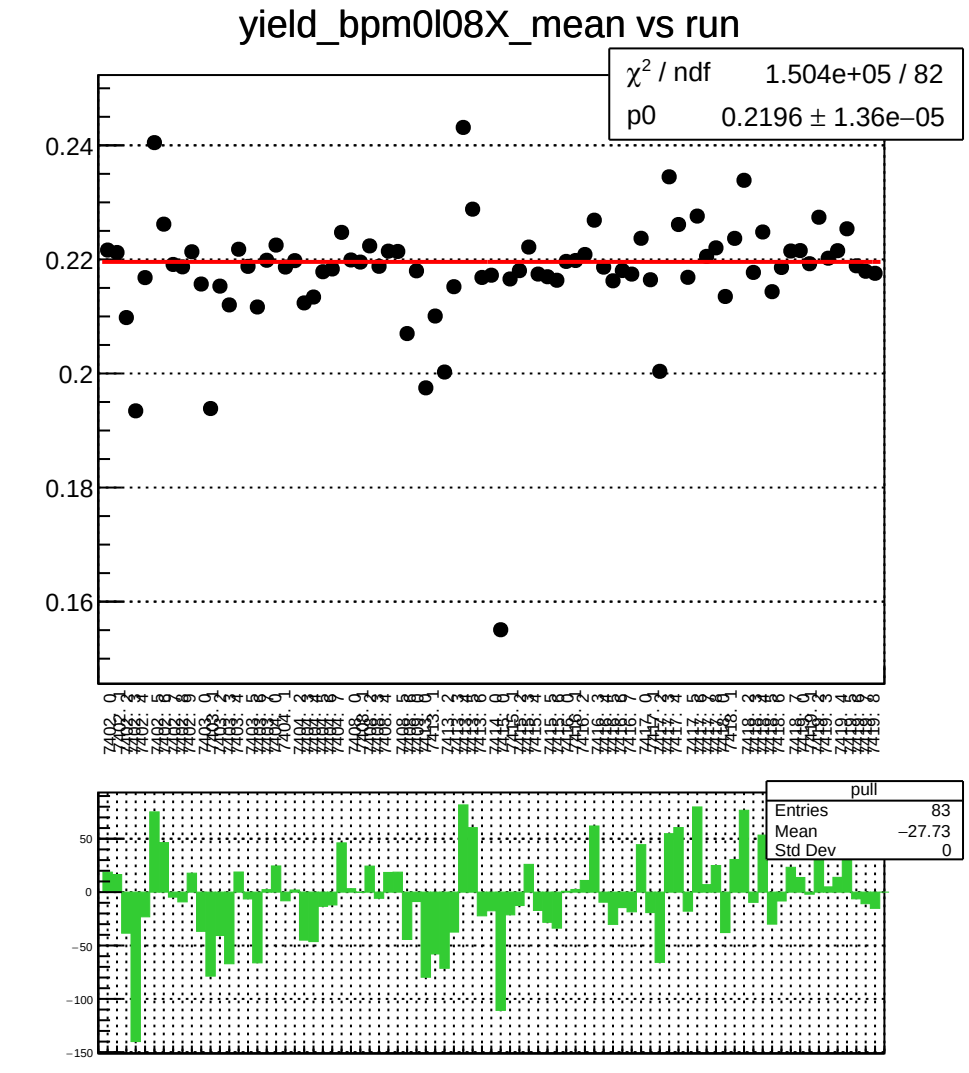

pull1D
Entries 83
Mean −1.004
Std Dev 4.035
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

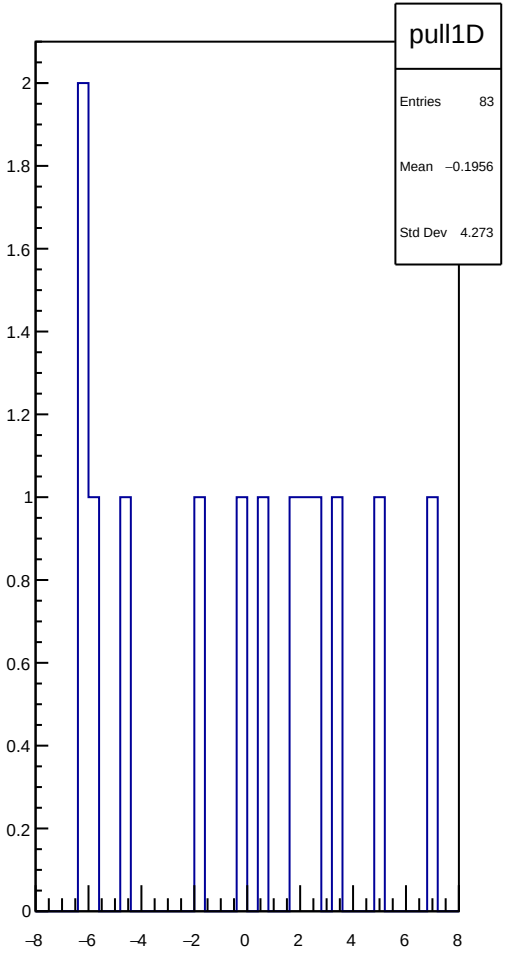

yield_bpm0l07X_rms vs run
χ² / ndf 1.28e+05 / 82
p0 0.01282 ± 1.064e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

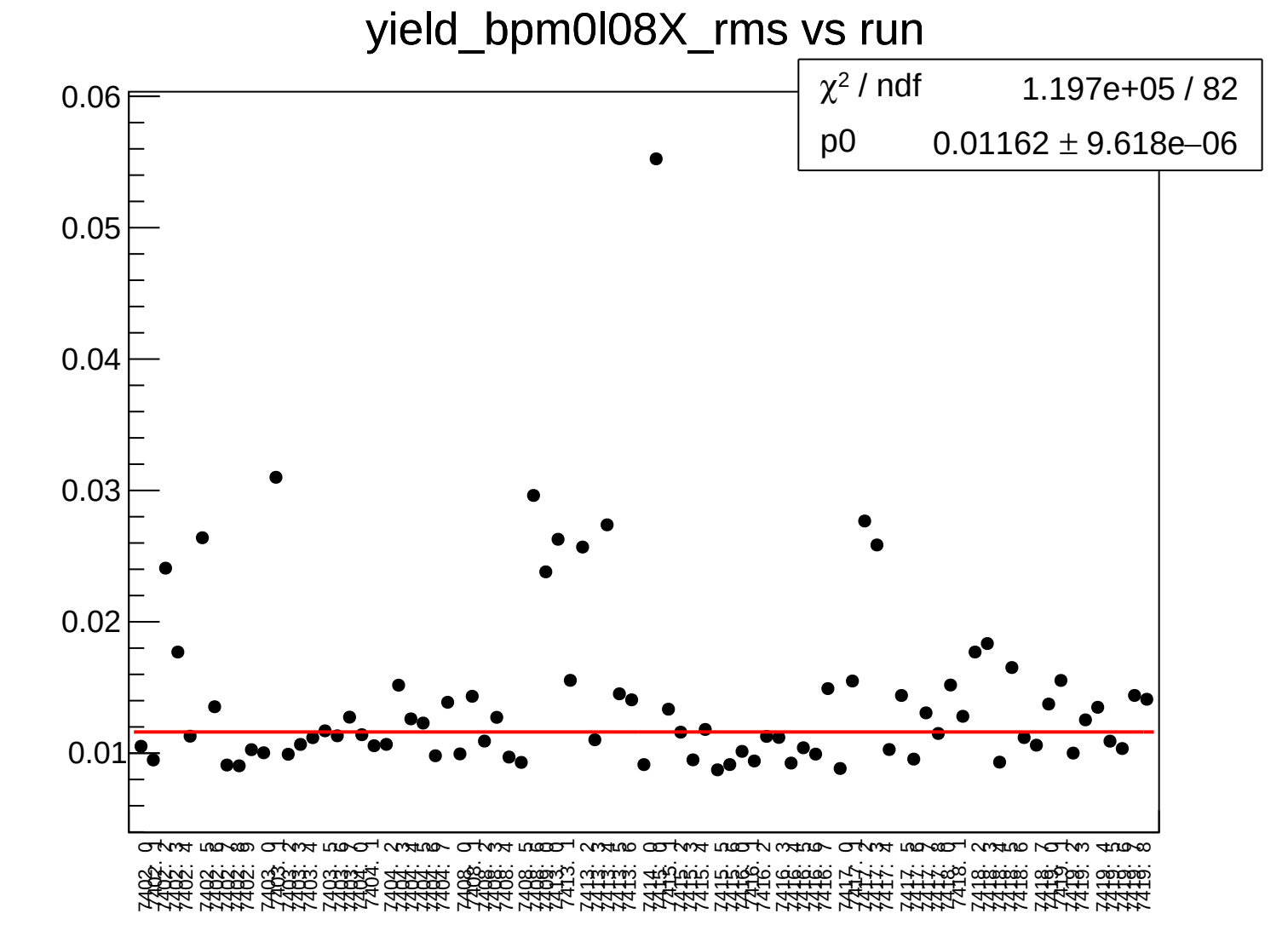

yield_bpm0l07Y_mean vs run
χ² / ndf 2.449e+06 / 82
p0 0.2605 ± 2.13e−06
0.266
0.264
0.262
0.26
0.258
0.256
0.254
pull
Entries 83
Mean 2951
Std Dev 0
300
200
100
0
−100
−200
−300

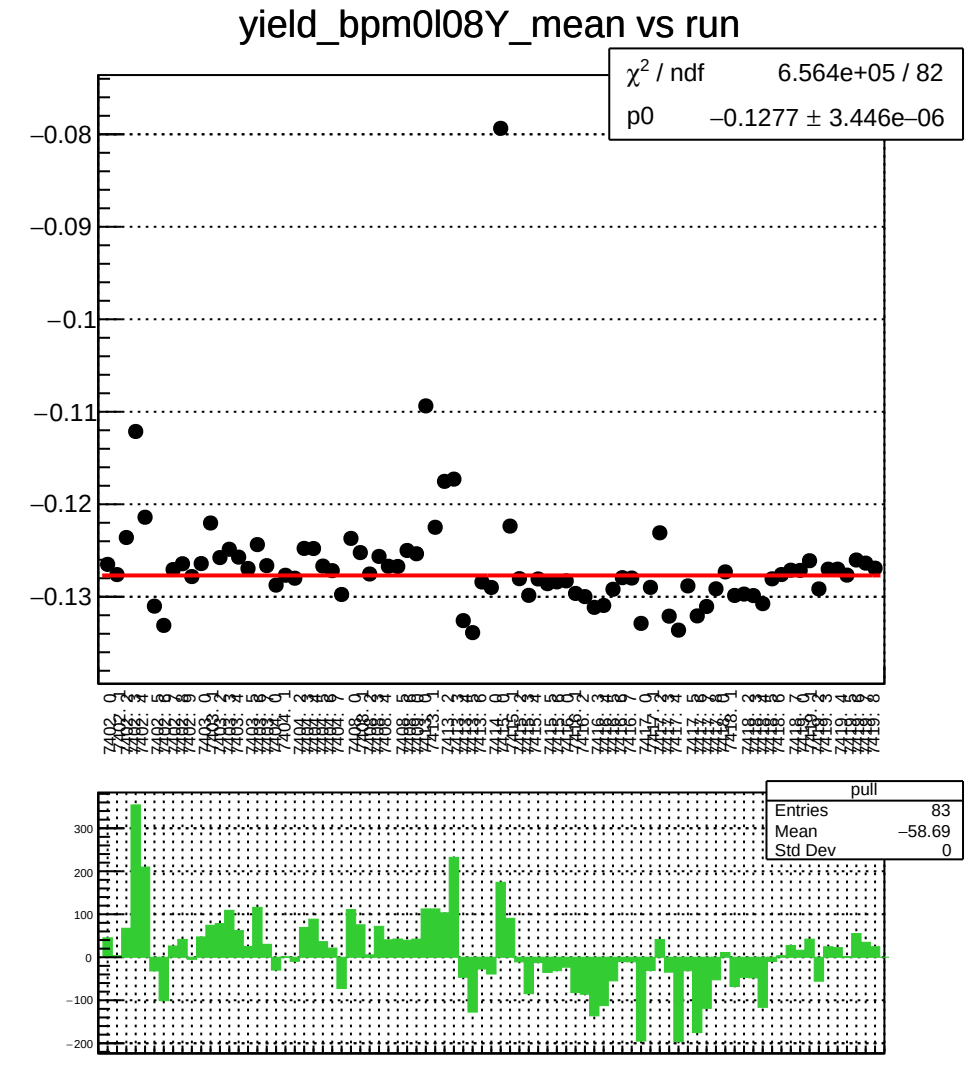

pull1D
Entries 83
Mean −1.016
Std Dev 5.223
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

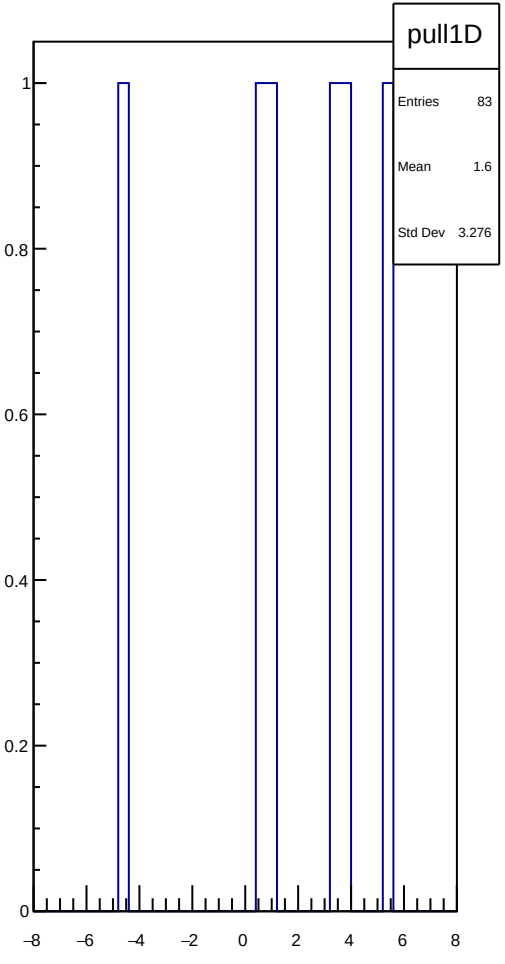

yield_bpm0l07Y_rms vs run
χ² / ndf 1.143e+04 / 82
p0 0.001886 ± 1.506e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016

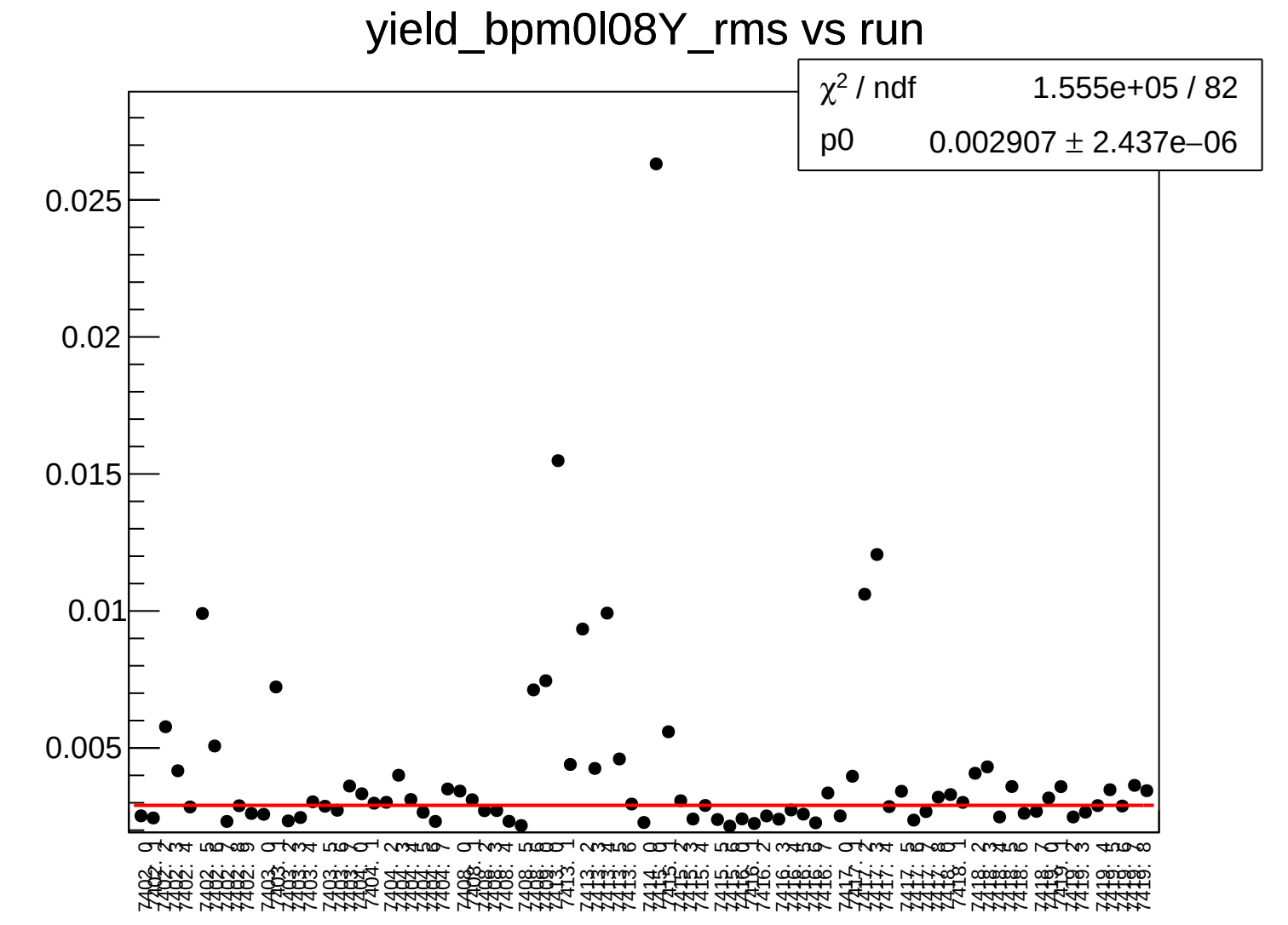

yield_bpm0l08X_mean vs run
χ² / ndf 1.504e+05 / 82
p0 0.2196 ± 1.36e−05
0.24
0.22
0.2
0.18
0.16
pull
Entries 83
Mean −27.73
Std Dev 0
50
0
−50
−100
−150

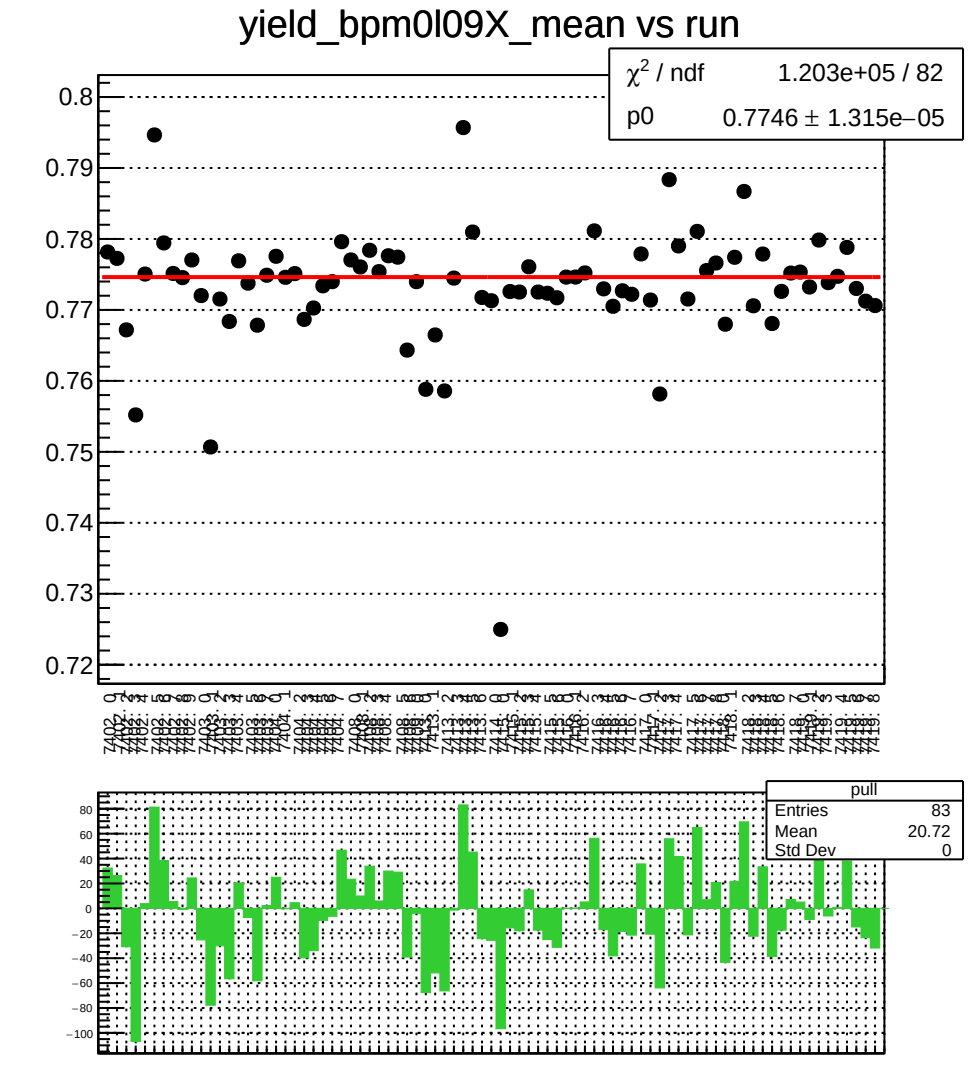

pull1D
Entries 83
Mean −0.1956
Std Dev 4.273
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

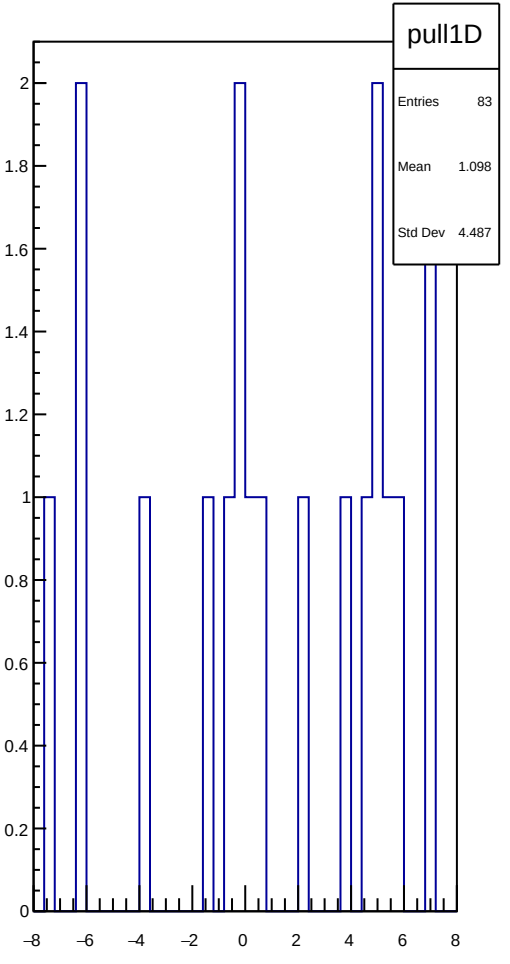

yield_bpm0l08X_rms vs run
χ² / ndf 1.197e+05 / 82
p0 0.01162 ± 9.618e–06
0.06
0.05
0.04
0.03
0.02
0.01

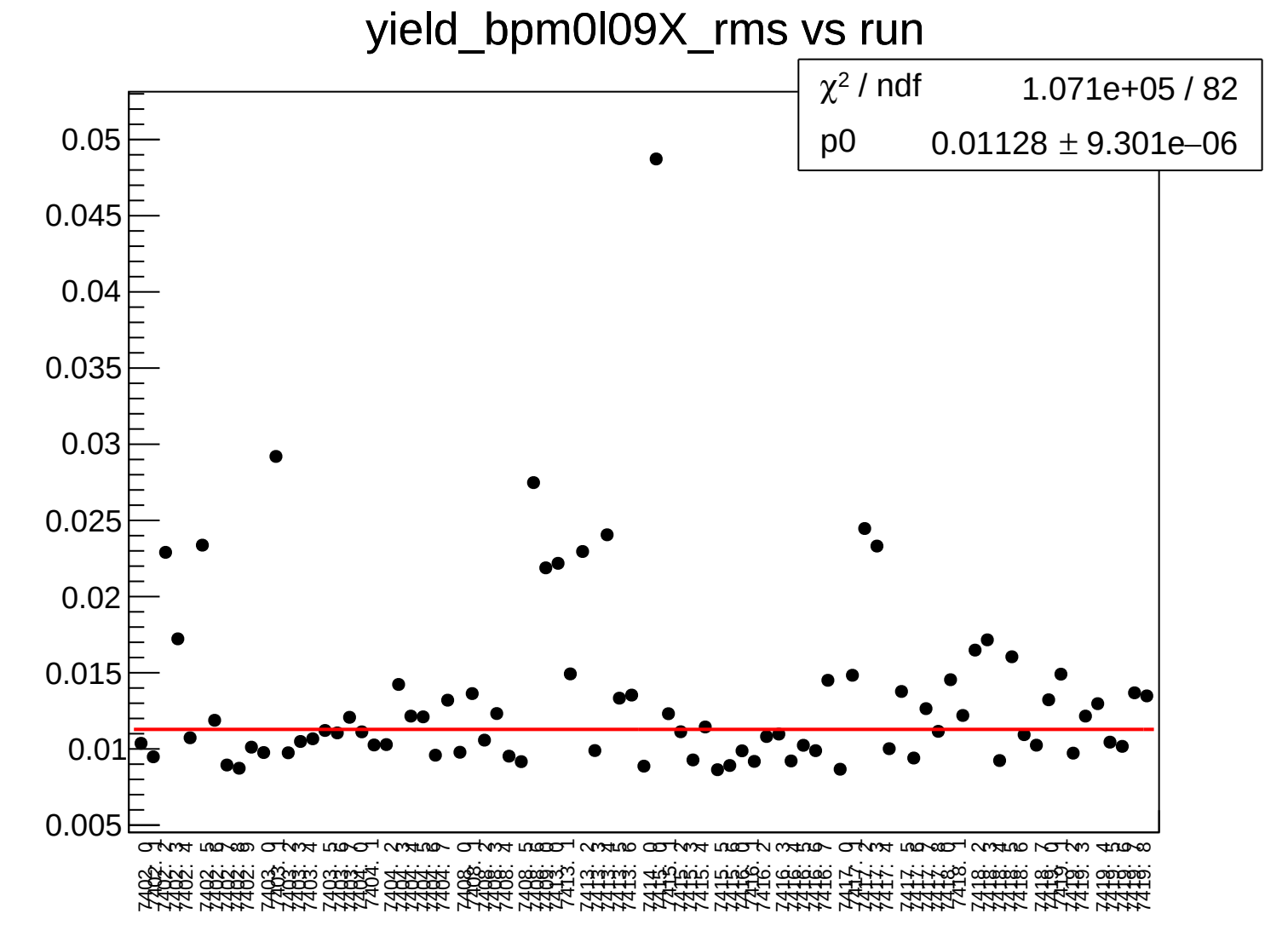

yield_bpm0l08Y_mean vs run
χ² / ndf 6.564e+05 / 82
p0 −0.1277 ± 3.446e−06
−0.08
−0.09
−0.1
−0.11
−0.12
−0.13
pull
Entries 83
Mean −58.69
Std Dev 0
300
200
100
0
−100
−200

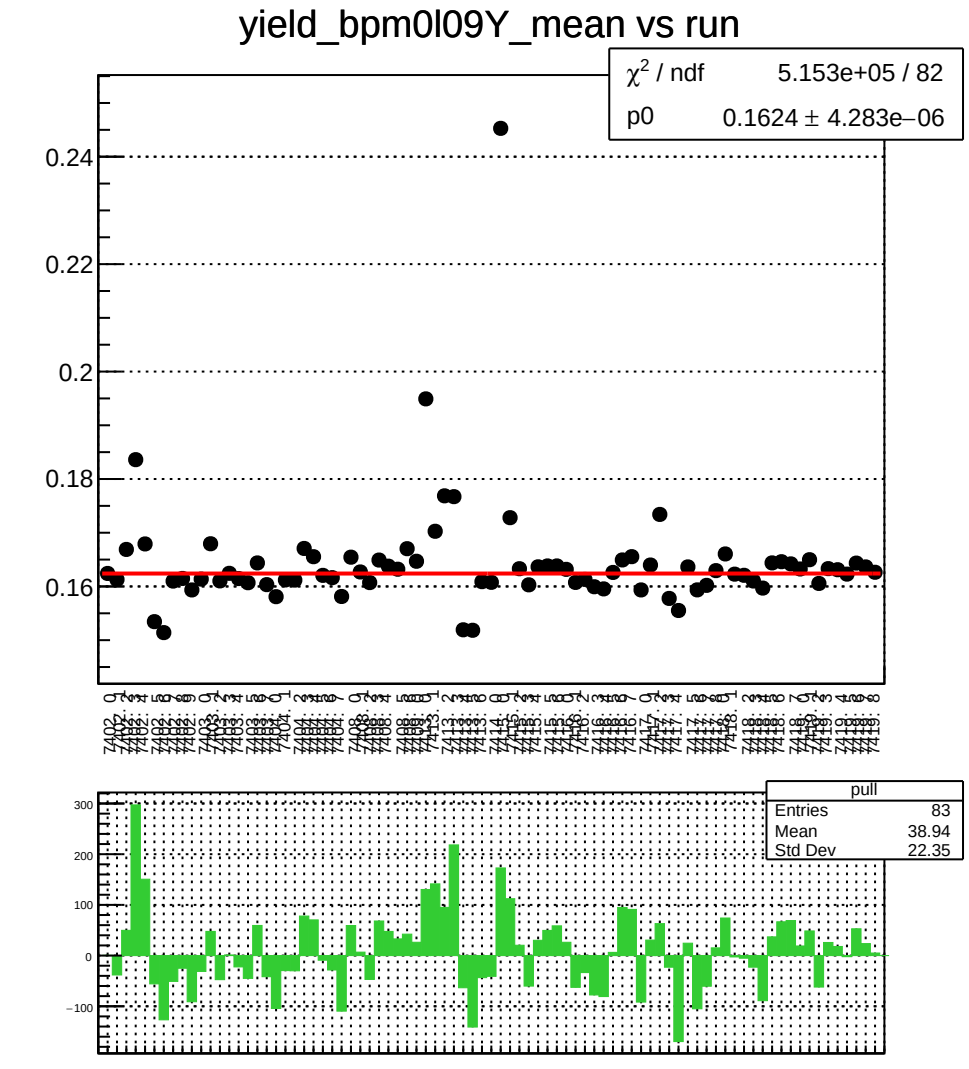

pull1D
Entries 83
Mean 1.6
Std Dev 3.276
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

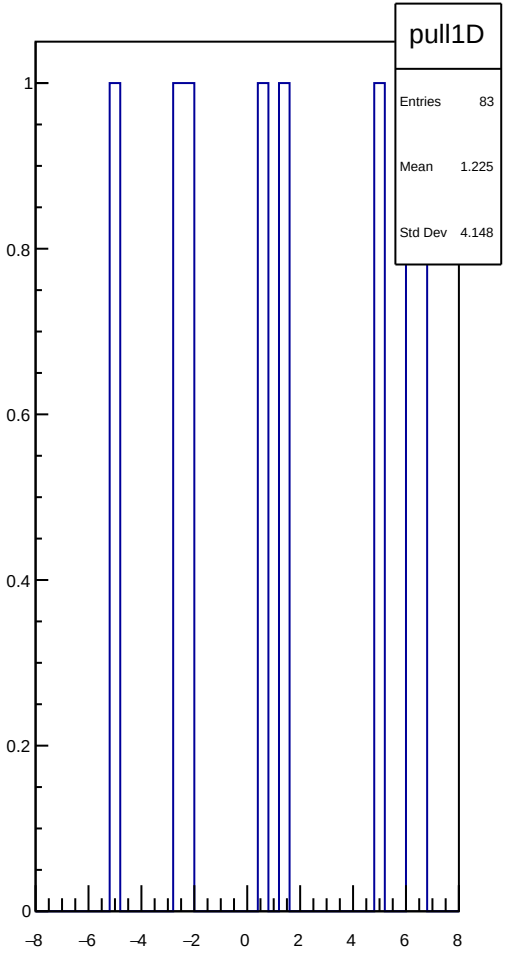

yield_bpm0l08Y_rms vs run
χ² / ndf 1.555e+05 / 82
p0 0.002907 ± 2.437e−06
0.025
0.02
0.015
0.01
0.005

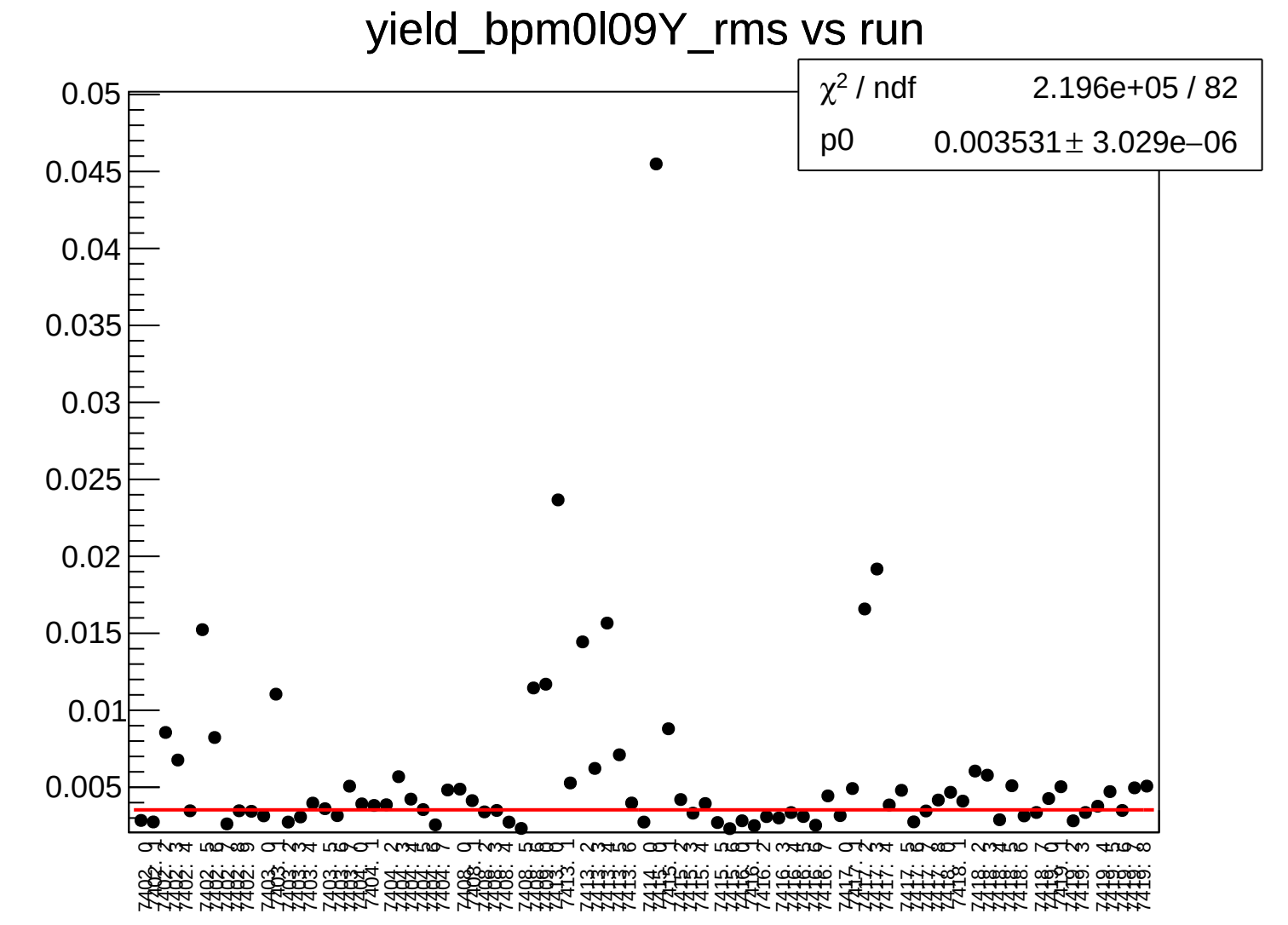

yield_bpm0l09X_mean vs run
χ² / ndf 1.203e+05 / 82
p0 0.7746 ± 1.315e−05
pull
Entries 83
Mean 20.72
Std Dev 0

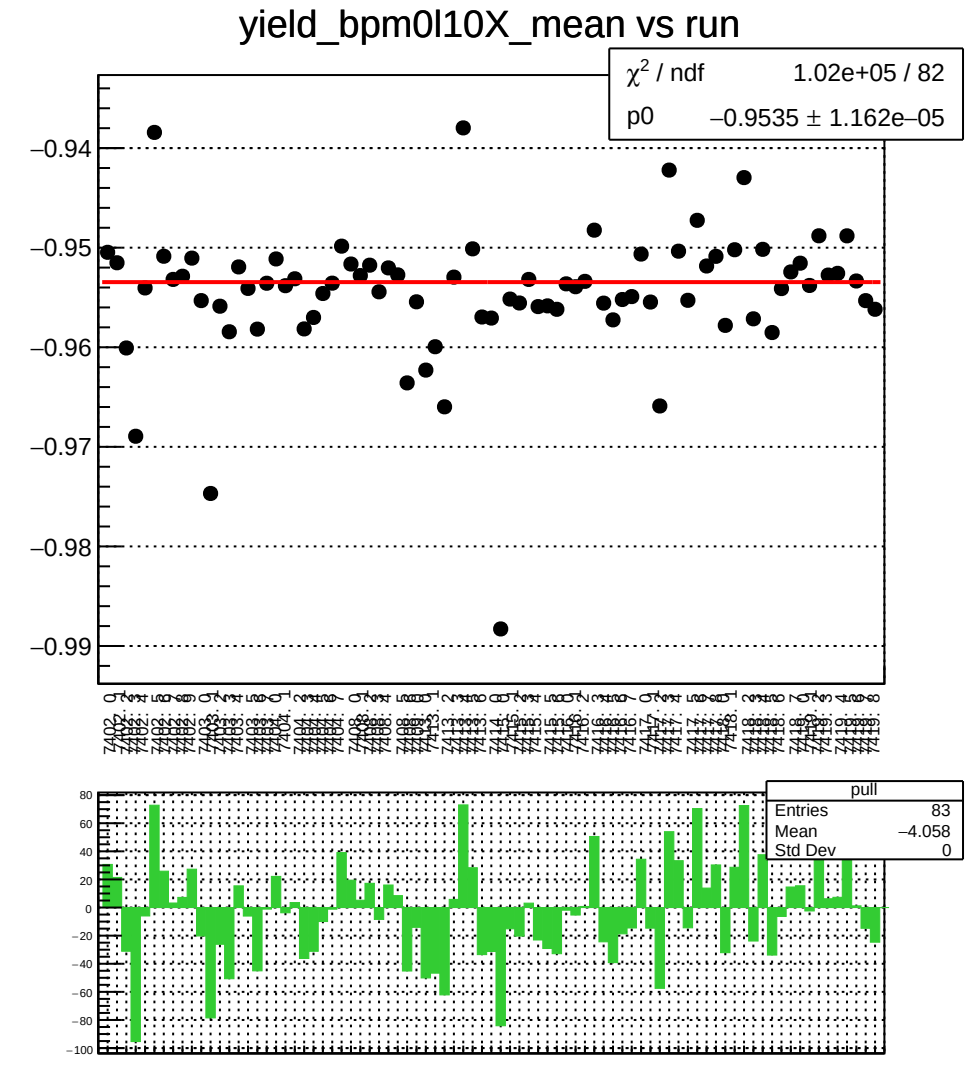

pull1D
Entries 83
Mean 1.098
Std Dev 4.487

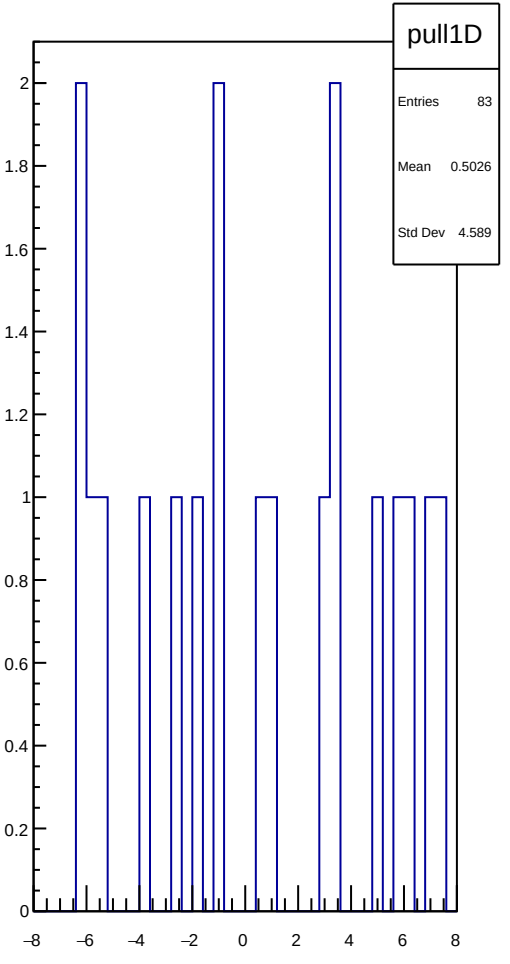

yield_bpm0l09X_rms vs run
χ^2 / ndf 1.071e+05 / 82
p0 0.01128 ± 9.301e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

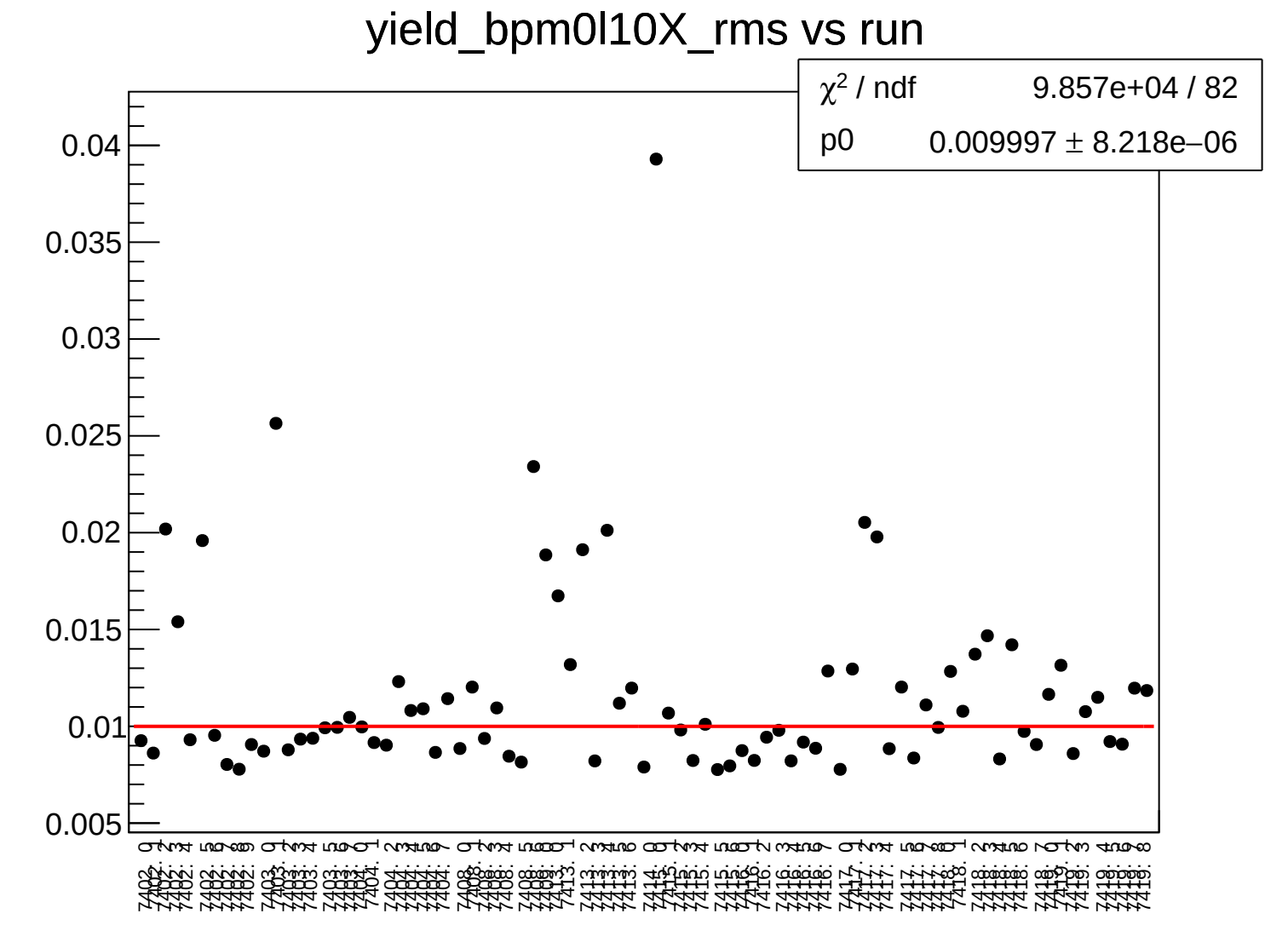

yield_bpm0l09Y_mean vs run
χ² / ndf 5.153e+05 / 82
p0 0.1624 ± 4.283e−06
0.24
0.22
0.2
0.18
0.16
pull
Entries 83
Mean 38.94
Std Dev 22.35
300
200
100
0
−100

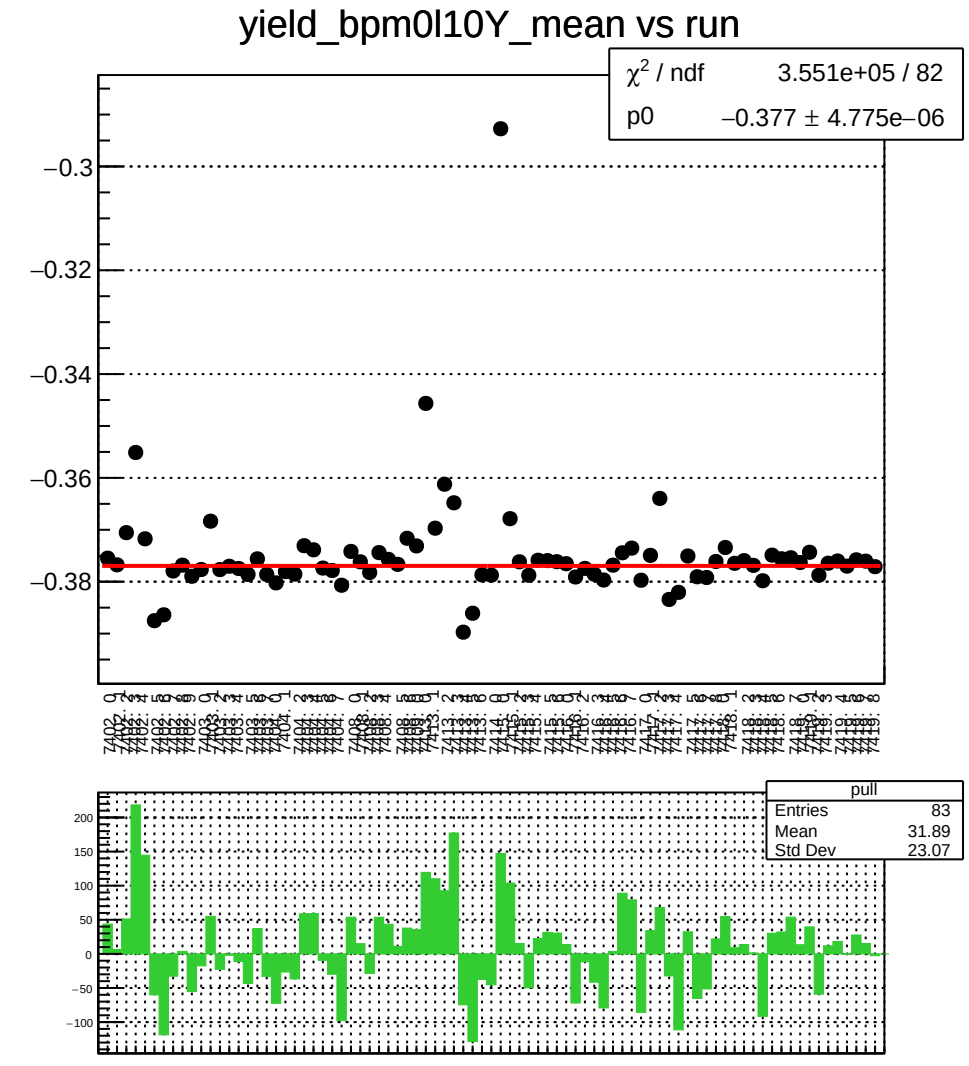

pull1D
Entries 83
Mean 1.225
Std Dev 4.148
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

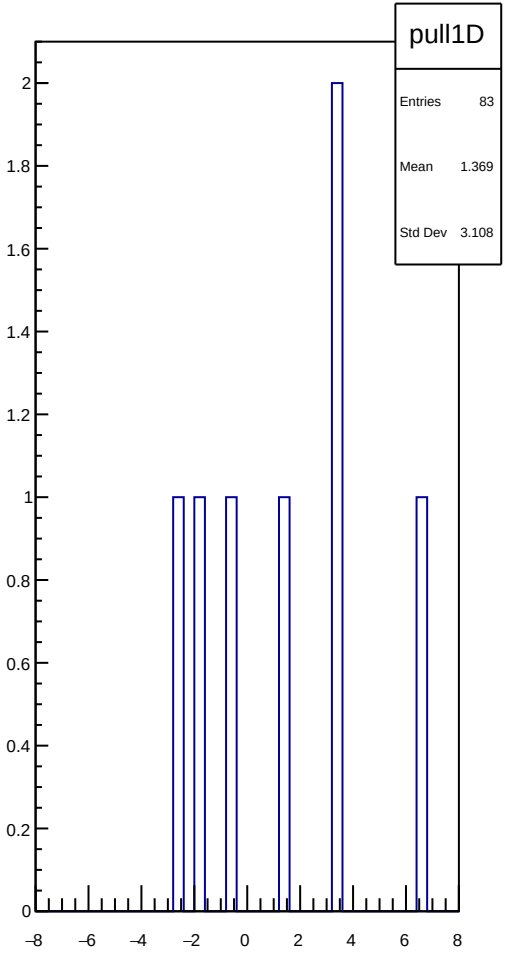

yield_bpm0l09Y_rms vs run
χ² / ndf 2.196e+05 / 82
p0 0.003531 ± 3.029e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

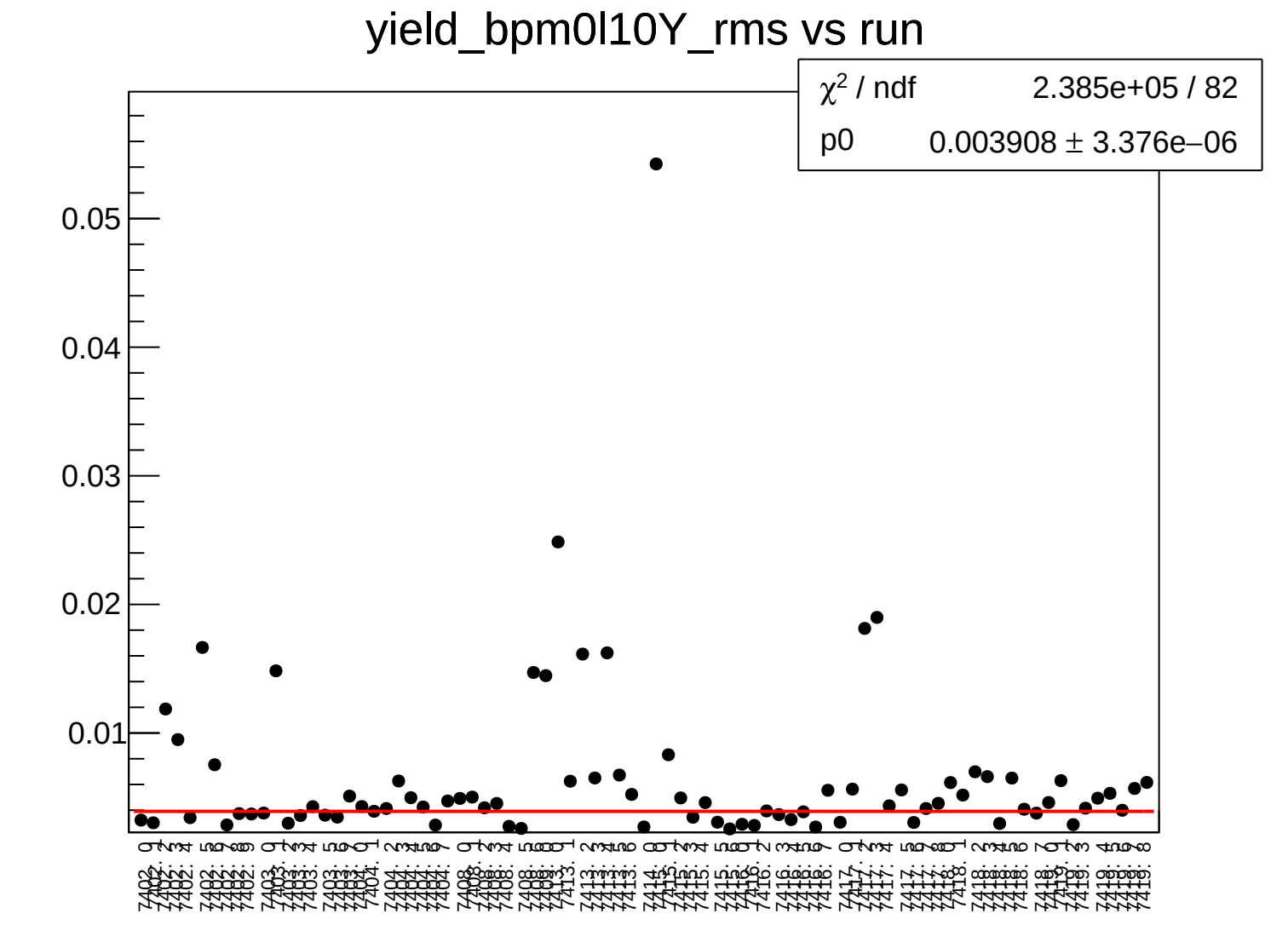

yield_bpm0l10X_mean vs run
χ² / ndf 1.02e+05 / 82
p0 −0.9535 ± 1.162e−05
−0.94
−0.95
−0.96
−0.97
−0.98
−0.99
pull
Entries 83
Mean −4.058
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

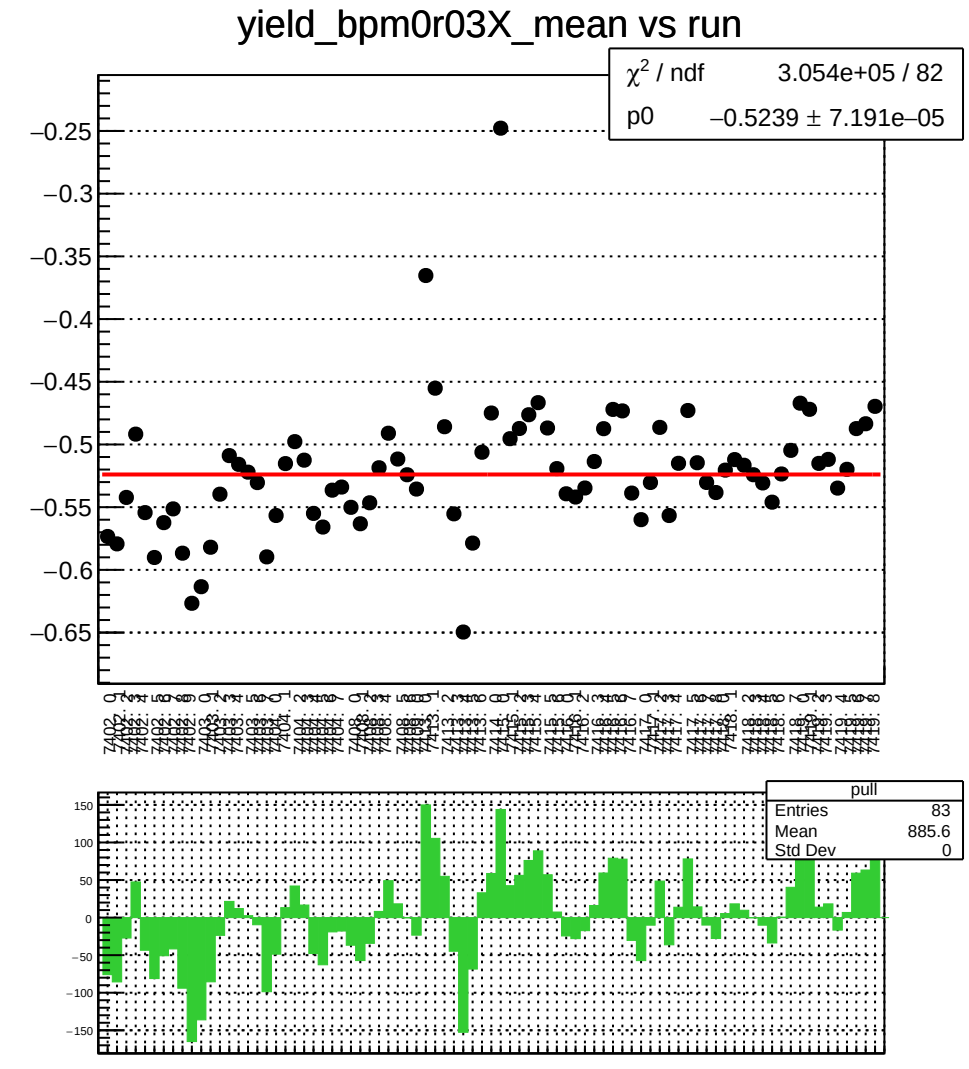

pull1D
Entries 83
Mean 0.5026
Std Dev 4.589
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

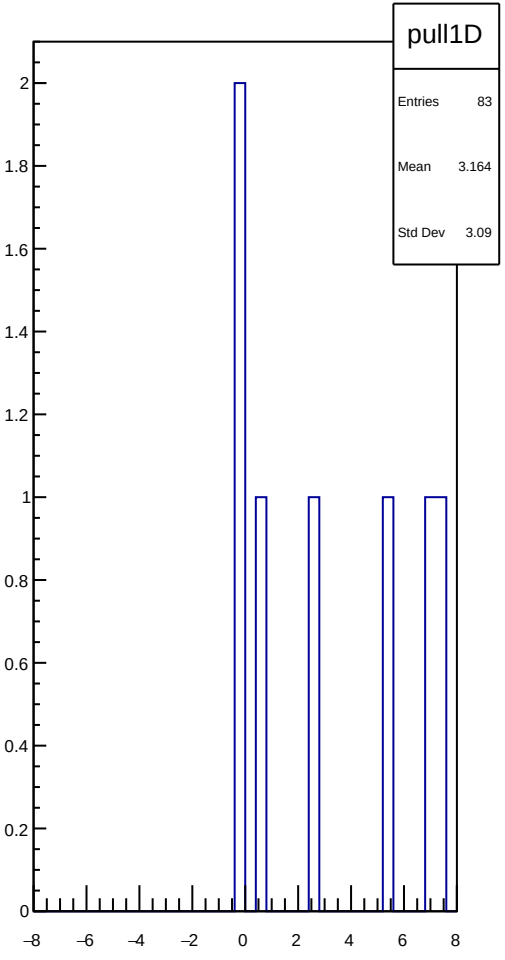

yield_bpm0l10X_rms vs run
χ^2 / ndf 9.857e+04 / 82
p0 0.009997 ± 8.218e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

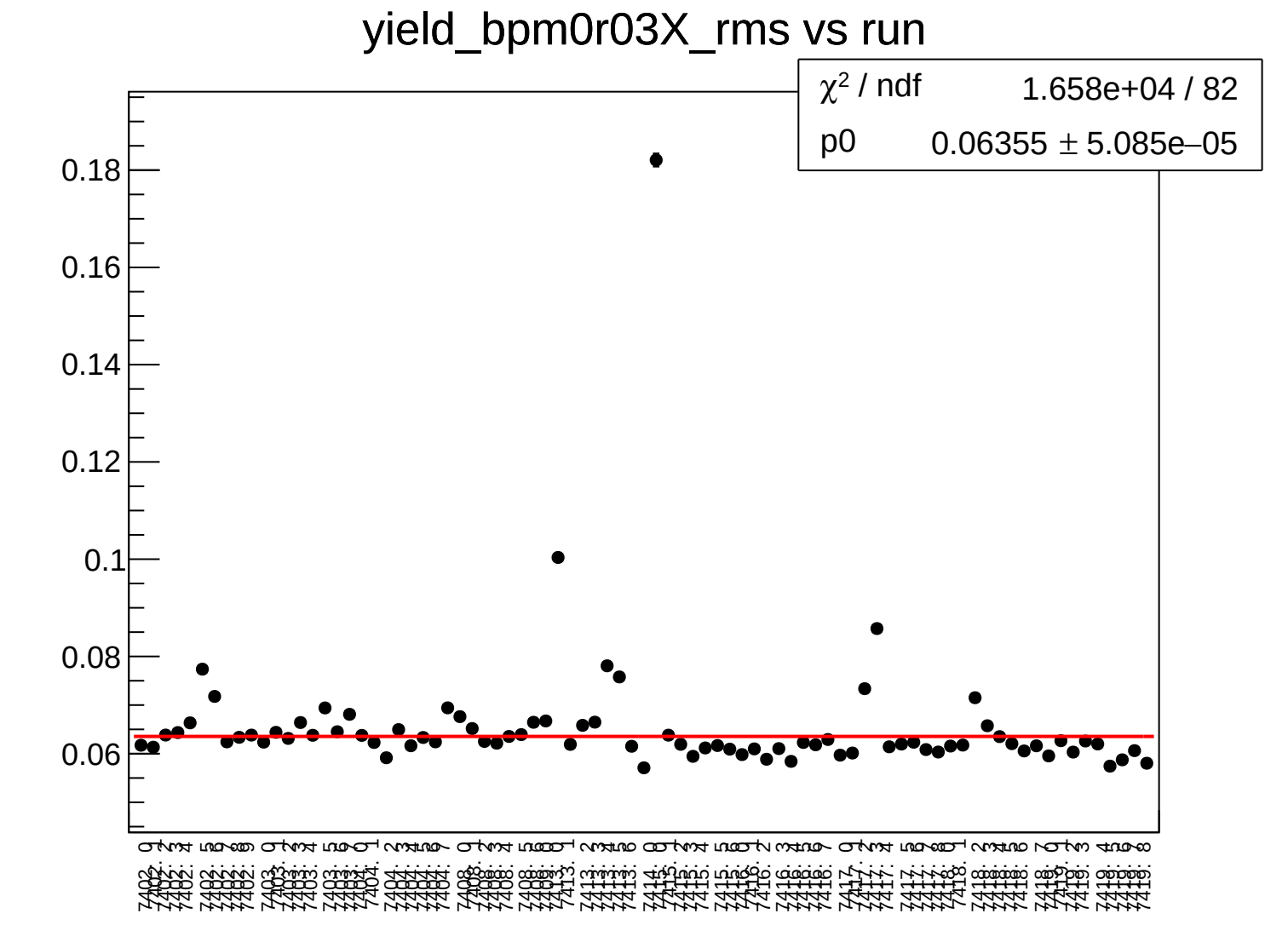

yield_bpm0l10Y_mean vs run
χ² / ndf 3.551e+05 / 82
p0 −0.377 ± 4.775e−06
−0.3
−0.32
−0.34
−0.36
−0.38
pull
Entries 83
Mean 31.89
Std Dev 23.07
200
150
100
50
0
−50
−100

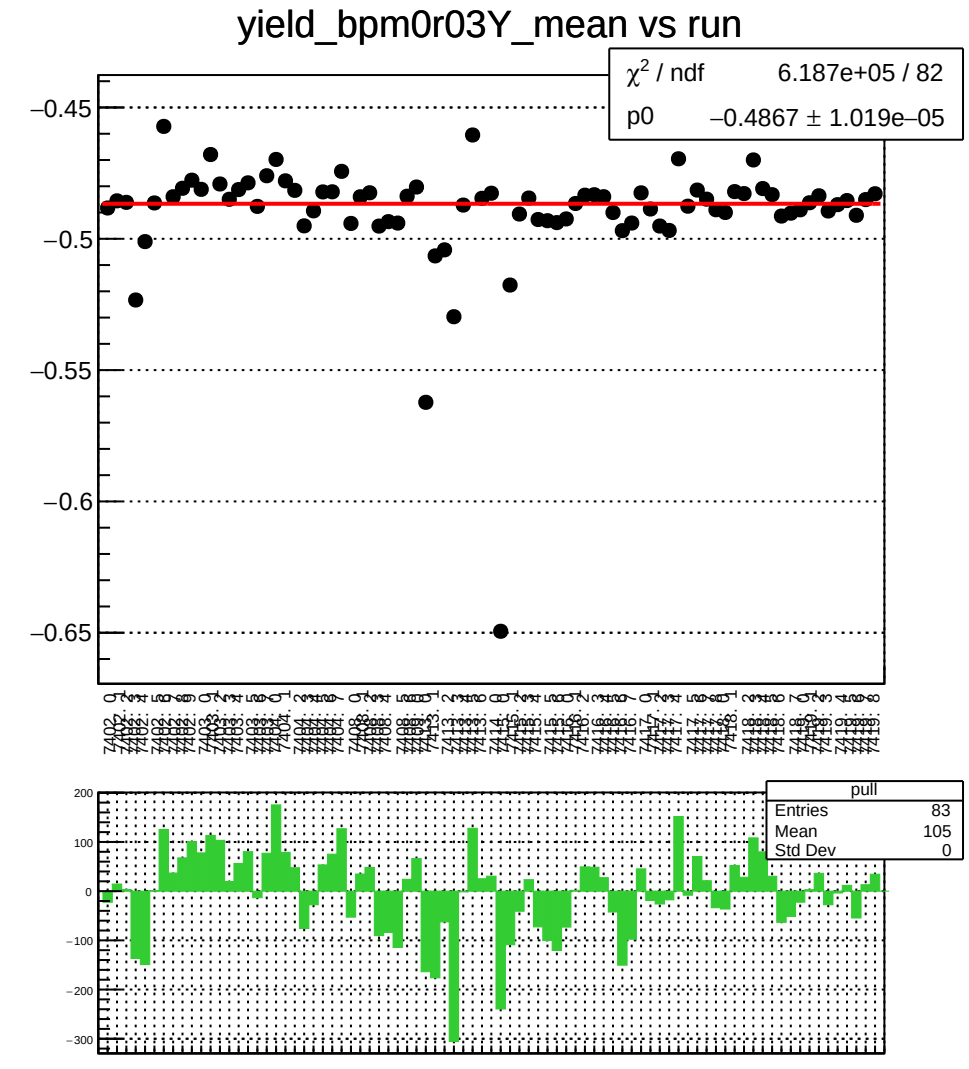

pull1D
Entries 83
Mean 1.369
Std Dev 3.108
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

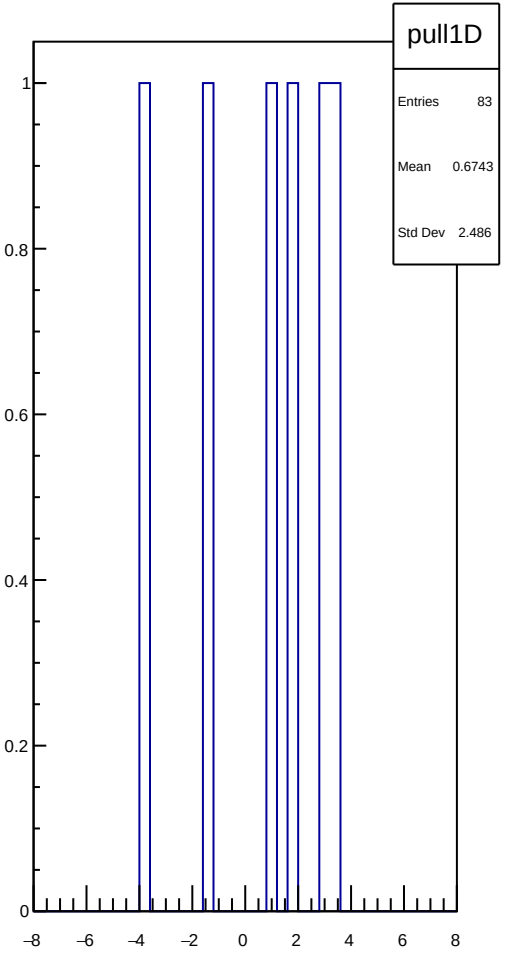

yield_bpm0l10Y_rms vs run
χ² / ndf 2.385e+05 / 82
p0 0.003908 ± 3.376e−06
0.05
0.04
0.03
0.02
0.01

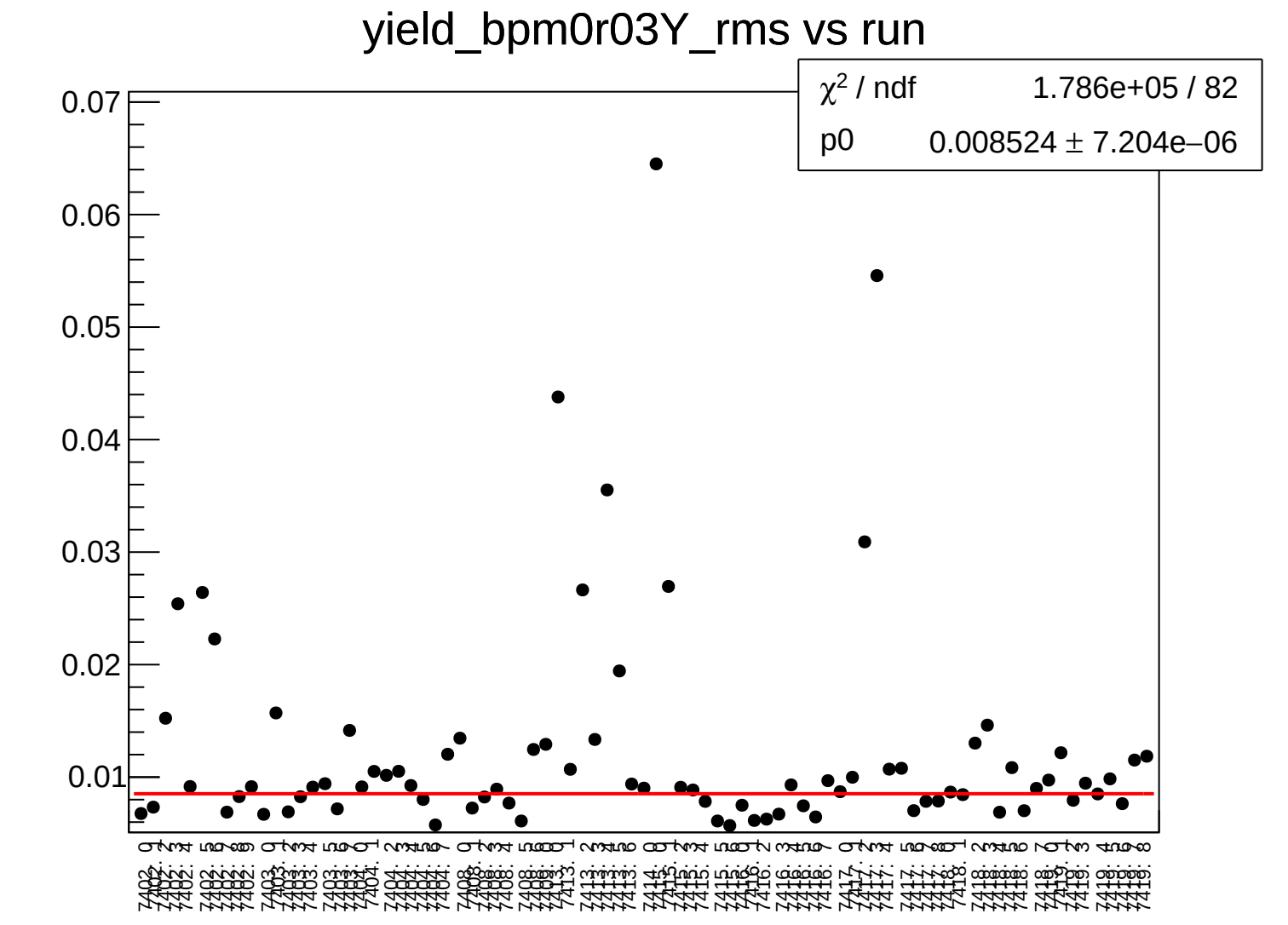

yield_bpm0r03X_mean vs run
χ² / ndf 3.054e+05 / 82
p0 −0.5239 ± 7.191e−05
pull
Entries 83
Mean 885.6
Std Dev 0

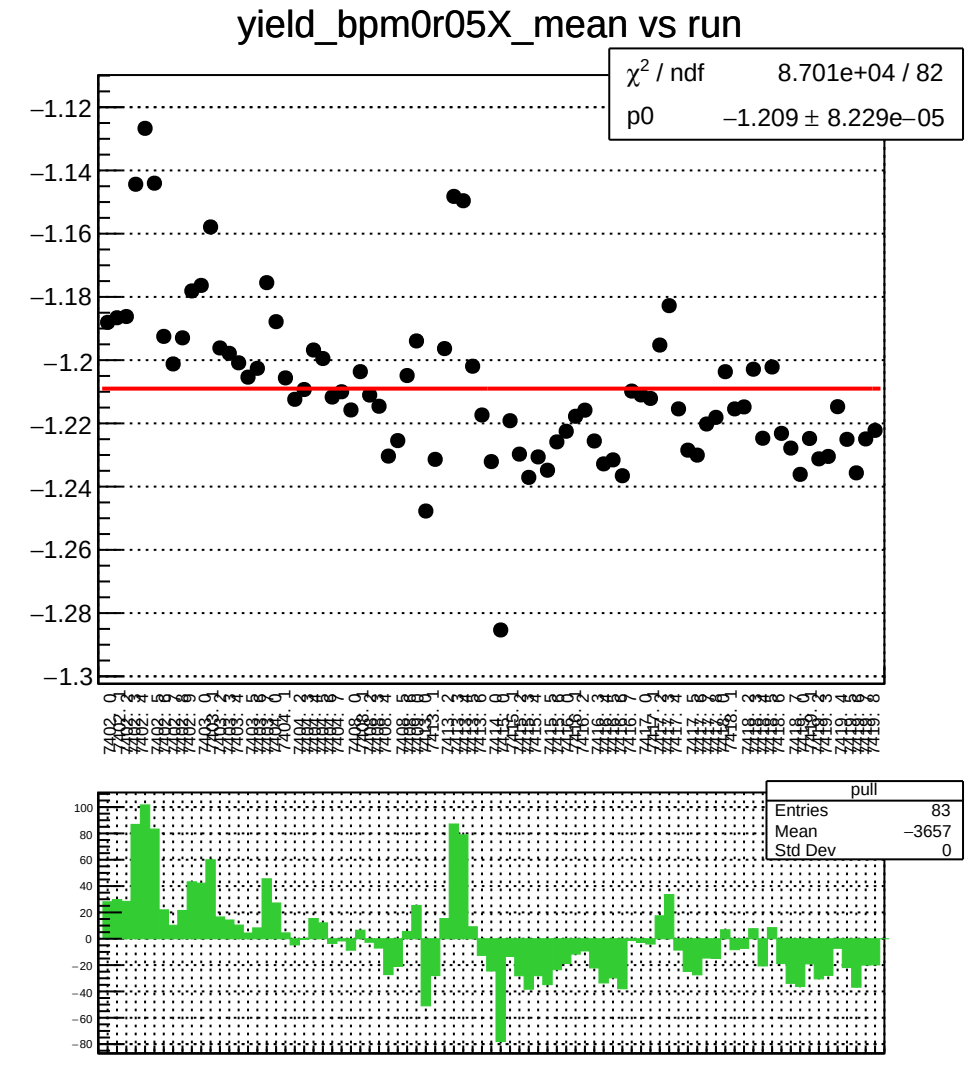

pull1D
Entries 83
Mean 3.164
Std Dev 3.09

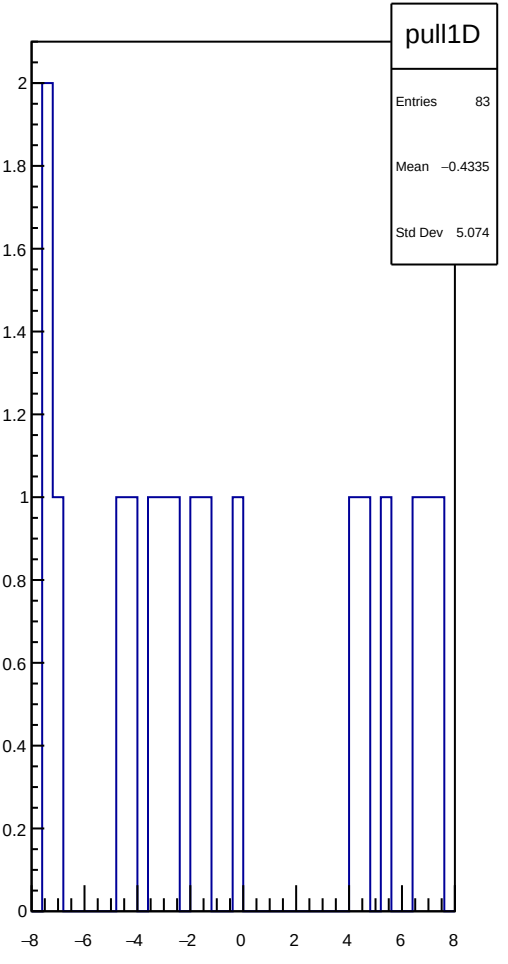

yield_bpm0r03X_rms vs run
χ² / ndf 1.658e+04 / 82
p0 0.06355 ± 5.085e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06

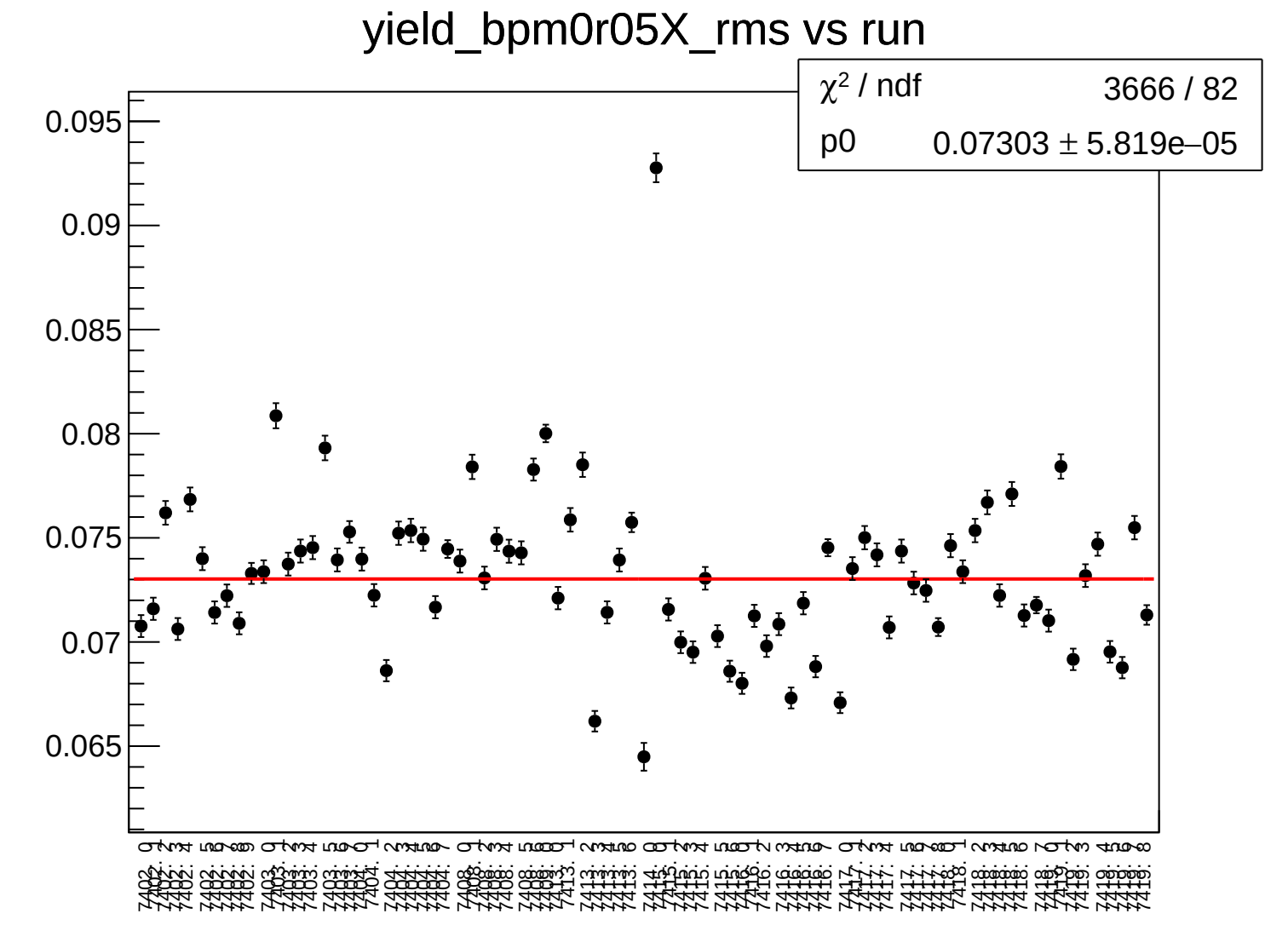

yield_bpm0r03Y_mean vs run
χ² / ndf 6.187e+05 / 82
p0 −0.4867 ± 1.019e−05
−0.45
−0.5
−0.55
−0.6
−0.65
pull
Entries 83
Mean 105
Std Dev 0
200
100
0
−100
−200
−300

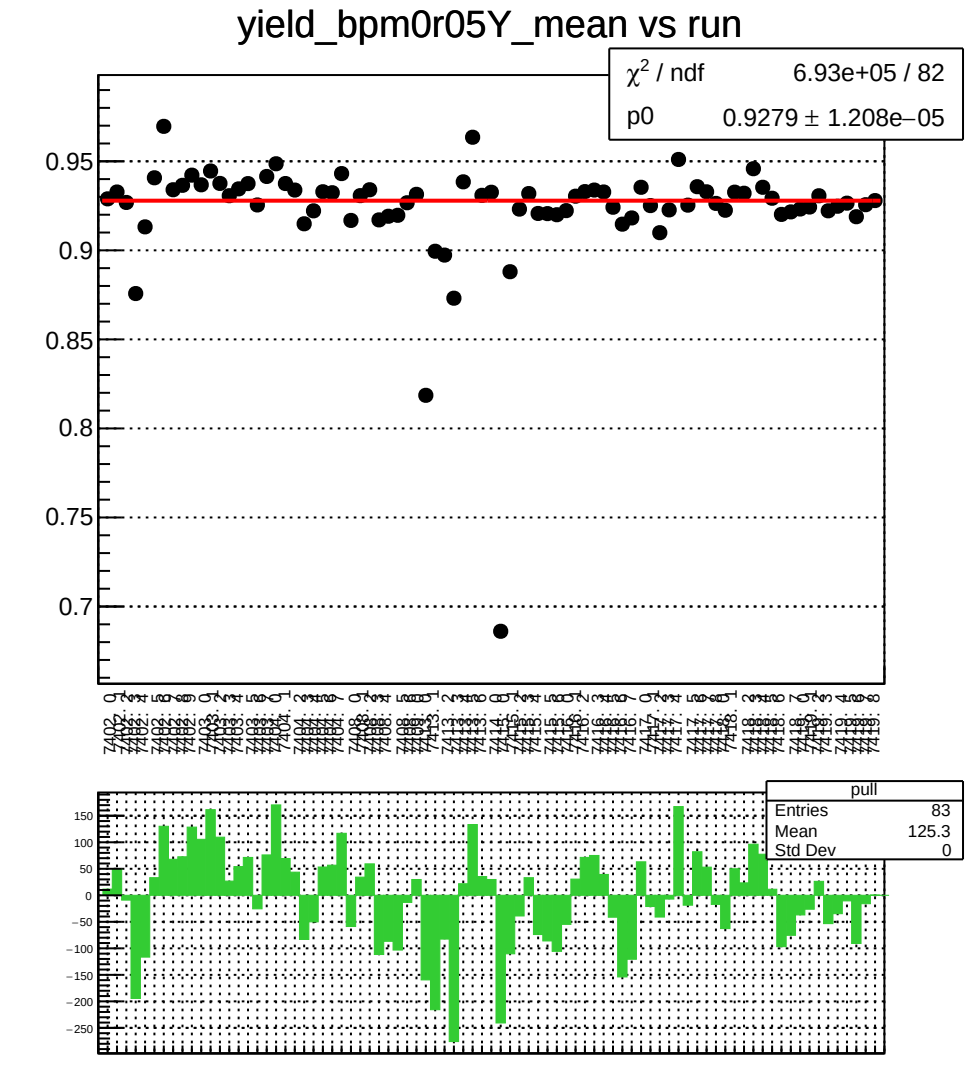

pull1D
Entries 83
Mean 0.6743
Std Dev 2.486
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

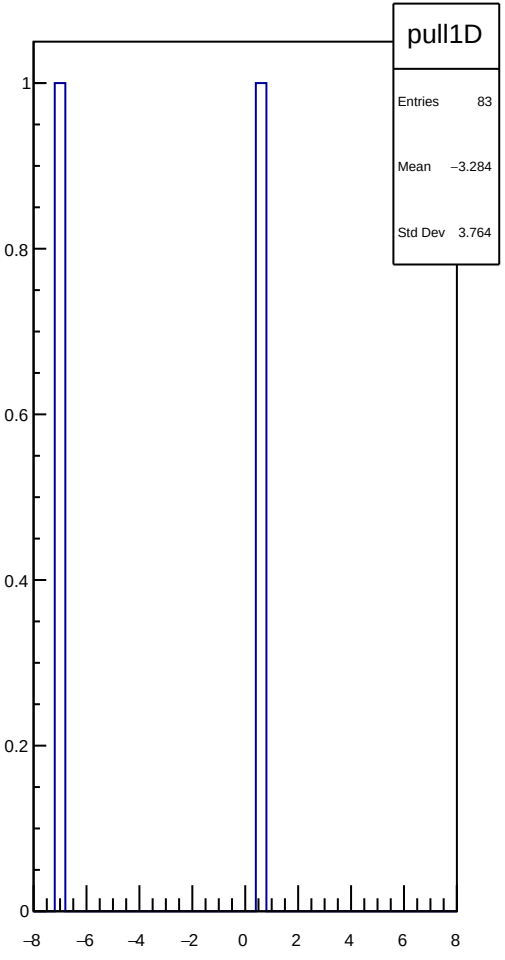

yield_bpm0r03Y_rms vs run
χ² / ndf 1.786e+05 / 82
p0 0.008524 ± 7.204e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

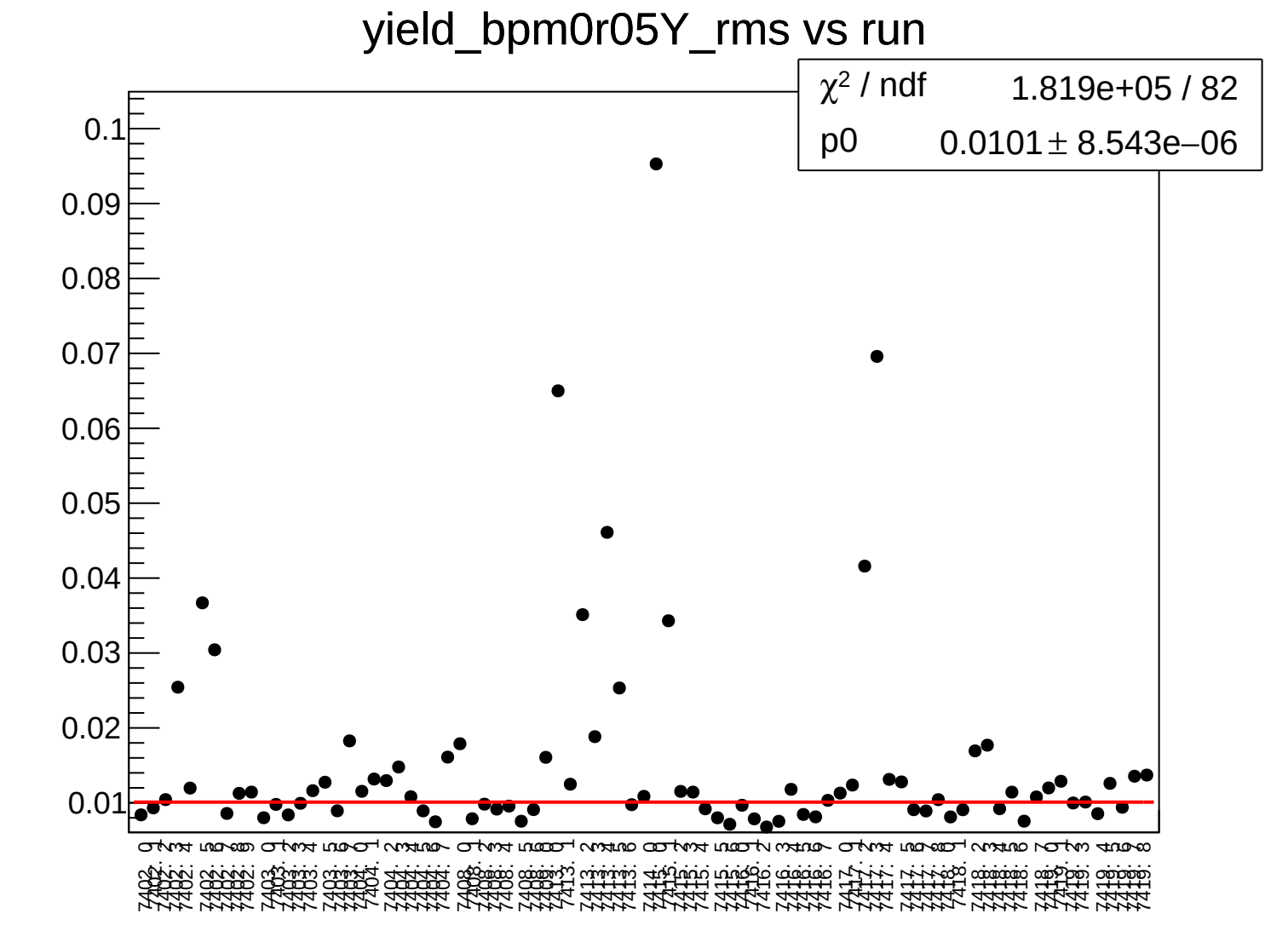

yield_bpm0r05X_mean vs run
χ² / ndf 8.701e+04 / 82
p0 −1.209 ± 8.229e−05
−1.12
−1.14
−1.16
−1.18
−1.2
−1.22
−1.24
−1.26
−1.28
−1.3
pull
Entries 83
Mean −3657
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

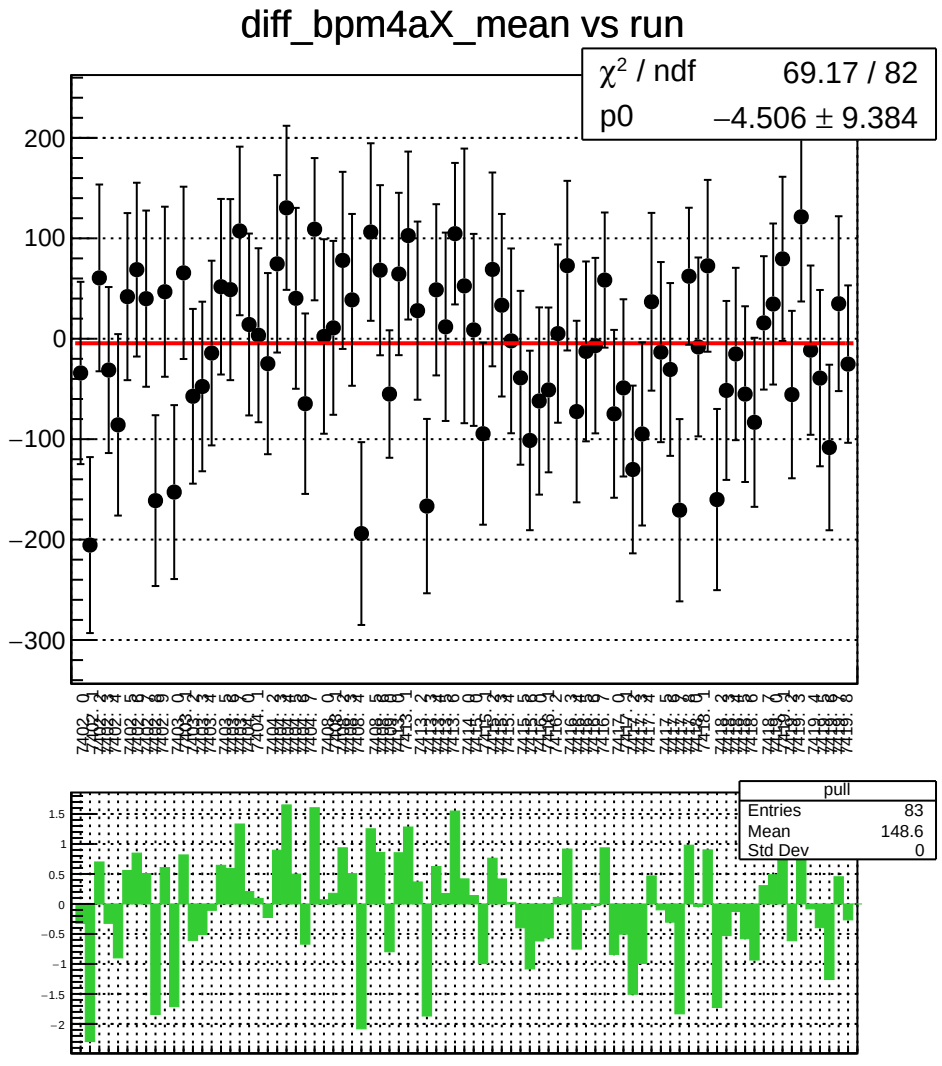

pull1D
Entries 83
Mean −0.4335
Std Dev 5.074
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

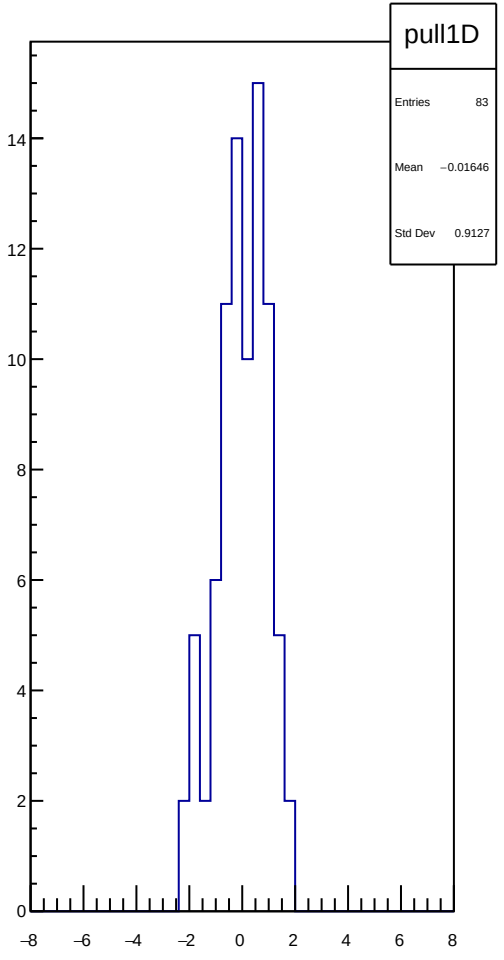

yield_bpm0r05X_rms vs run
χ² / ndf 3666 / 82
p0 0.07303 ± 5.819e–05
0.095
0.09
0.085
0.08
0.075
0.07
0.065

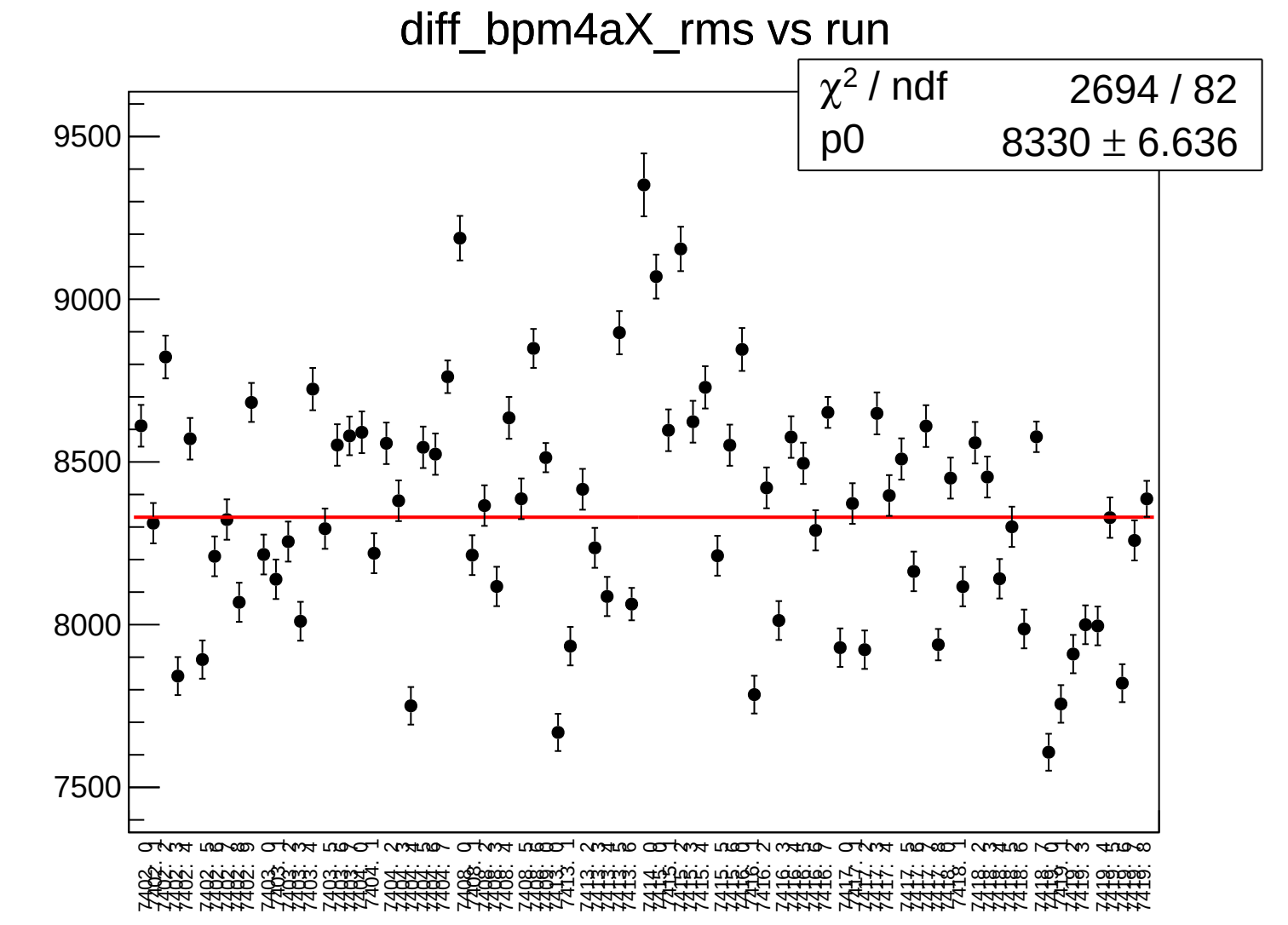

yield_bpm0r05Y_mean vs run
χ² / ndf 6.93e+05 / 82
p0 0.9279 ± 1.208e−05
0.95
0.9
0.85
0.8
0.75
0.7
pull
Entries 83
Mean 125.3
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

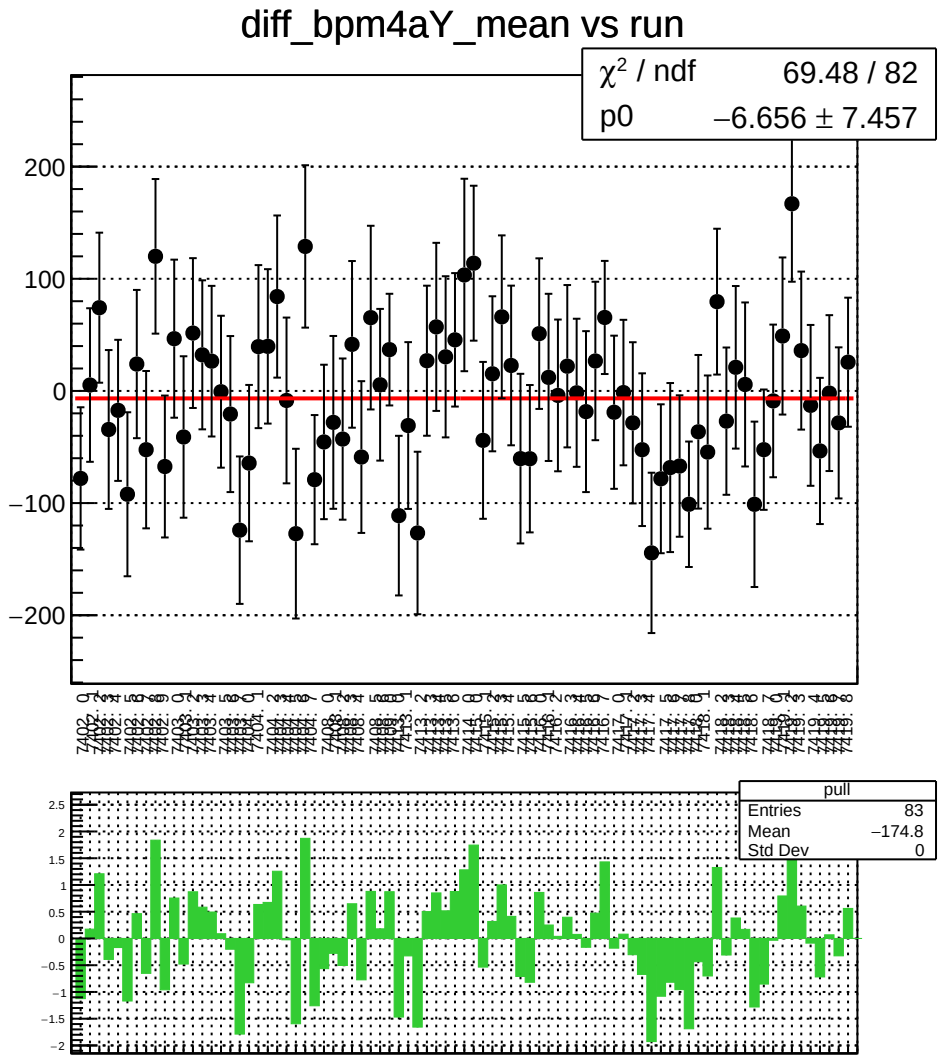

pull1D
Entries 83
Mean −3.284
Std Dev 3.764
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

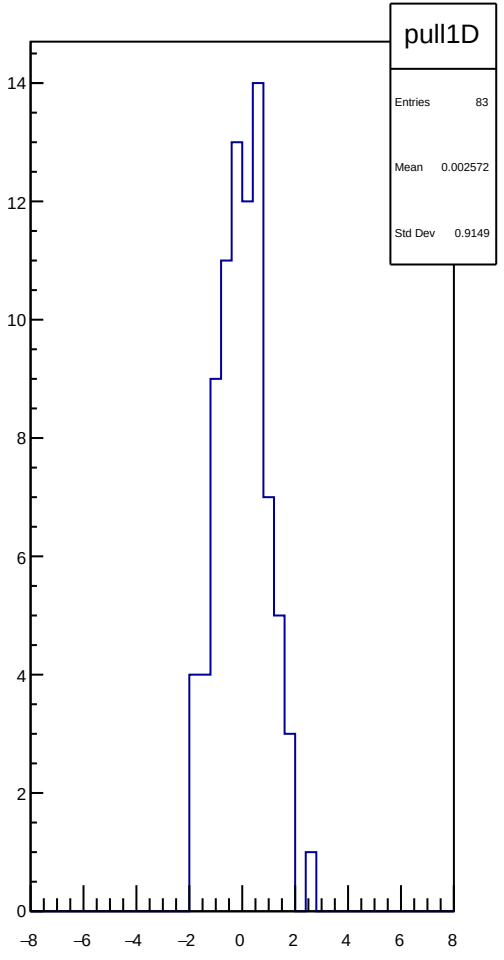

yield_bpm0r05Y_rms vs run
χ² / ndf 1.819e+05 / 82
p0 0.0101 ± 8.543e−06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

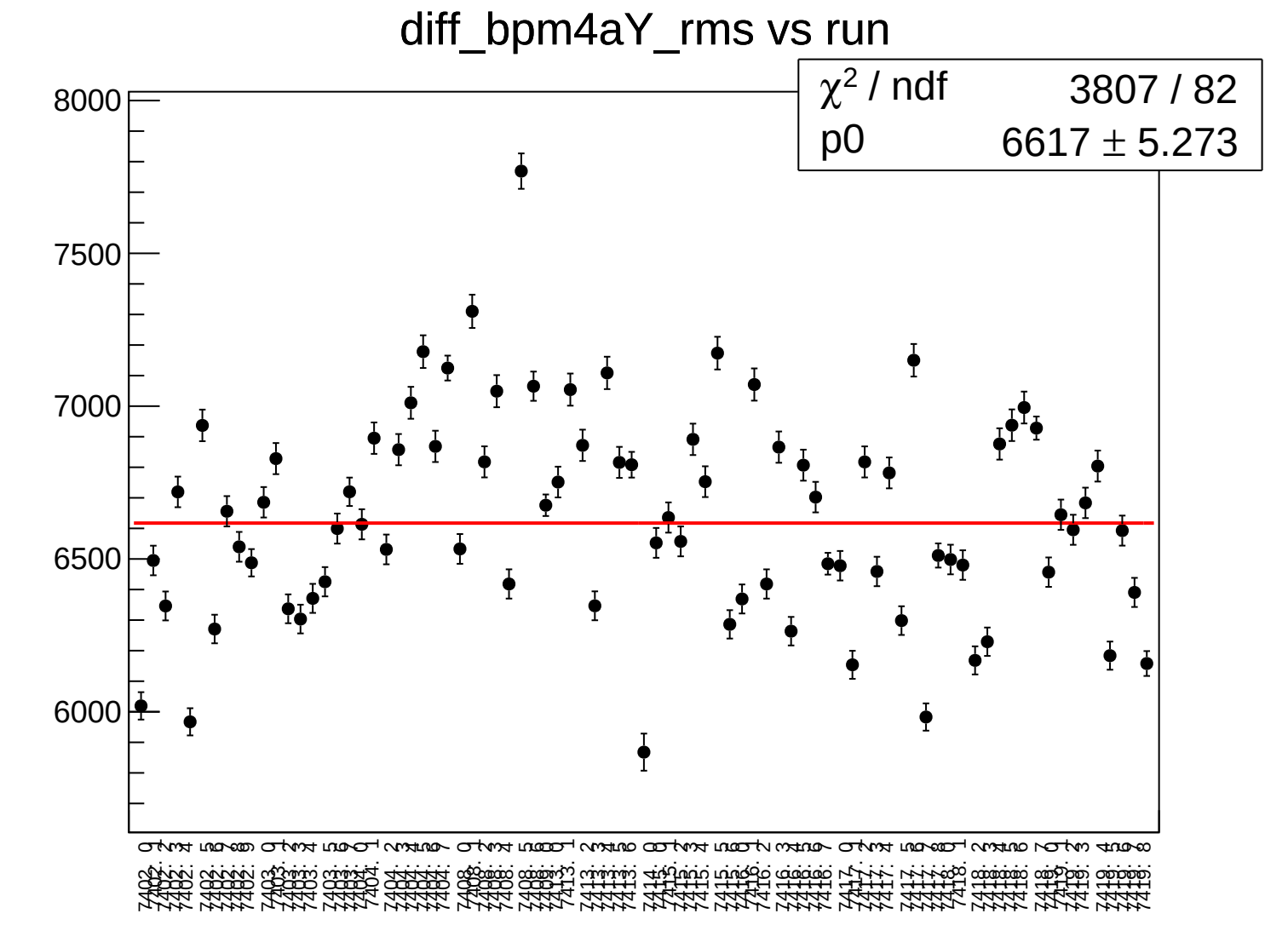

diff_bpm4aX_mean vs run
χ² / ndf 69.17 / 82
p0 −4.506 ± 9.384
pull
Entries 83
Mean 148.6
Std Dev 0

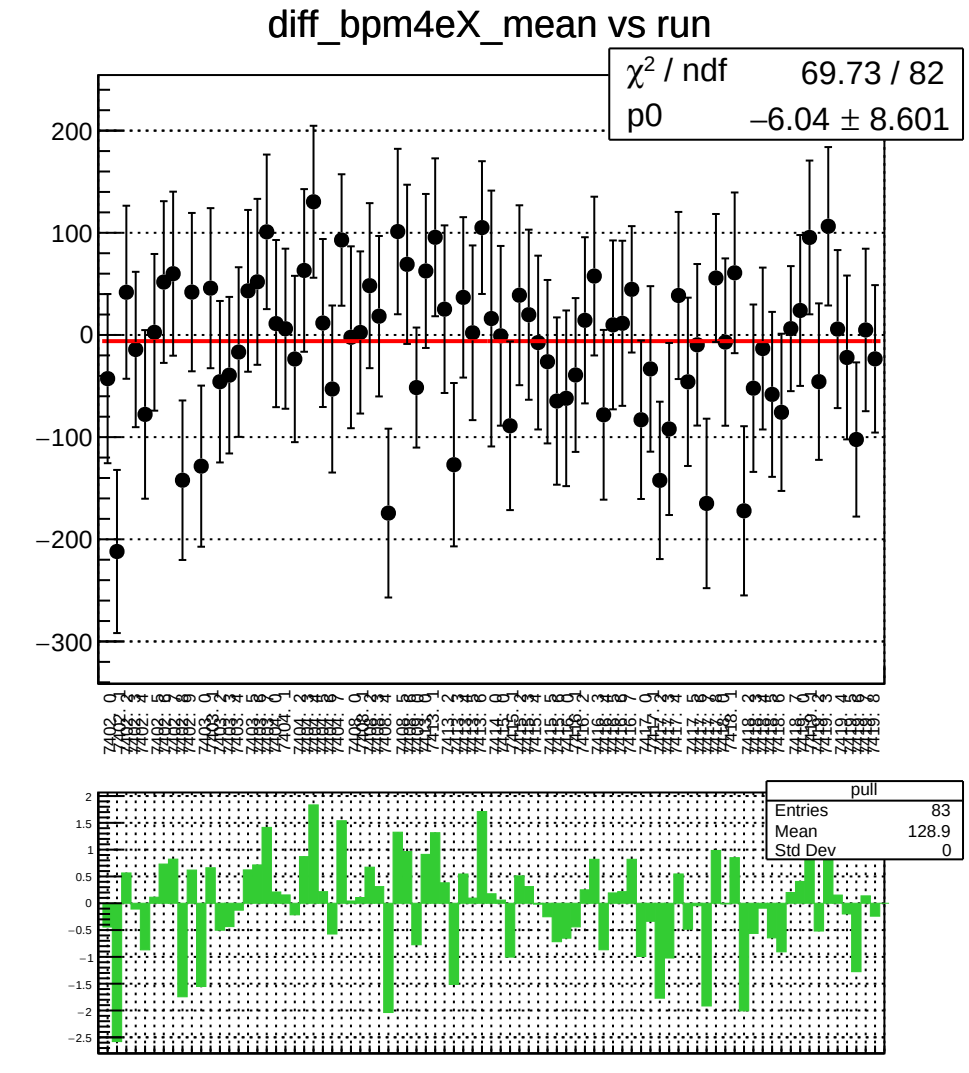

pull1D
Entries 83
Mean −0.01646
Std Dev 0.9127

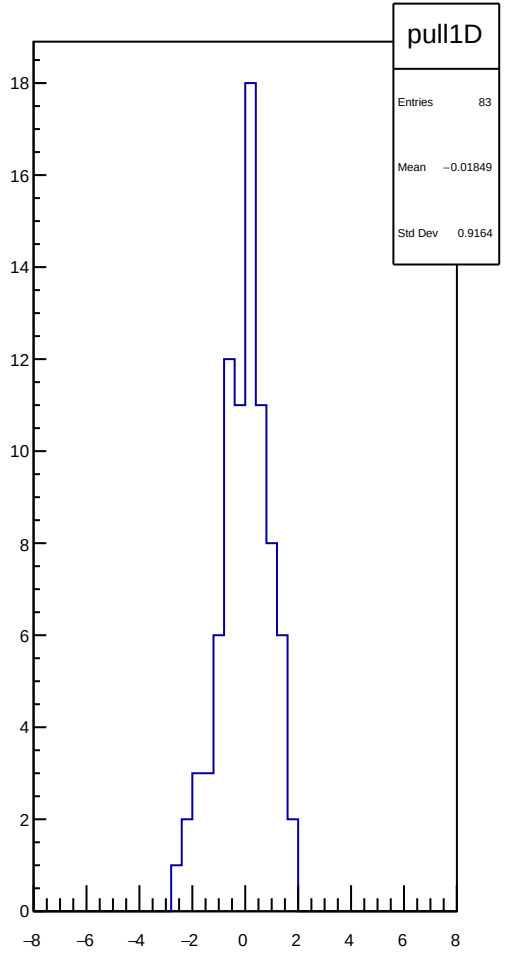

diff_bpm4aX_rms vs run
χ² / ndf 2694 / 82
p0 8330 ± 6.636
9500
9000
8500
8000
7500

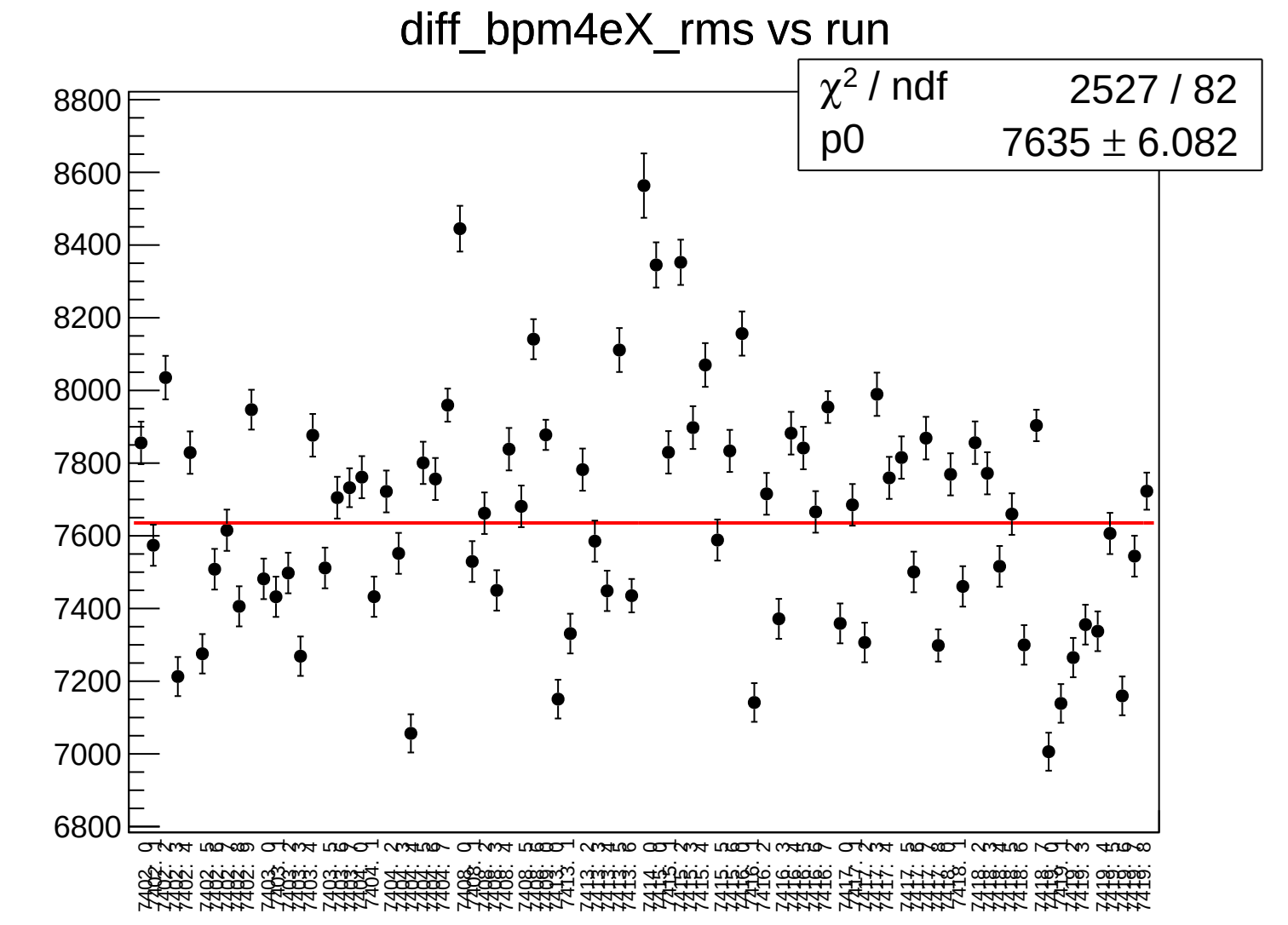

diff_bpm4aY_mean vs run
χ² / ndf 69.48 / 82
p0 −6.656 ± 7.457
200
100
0
−100
−200
pull
Entries 83
Mean −174.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

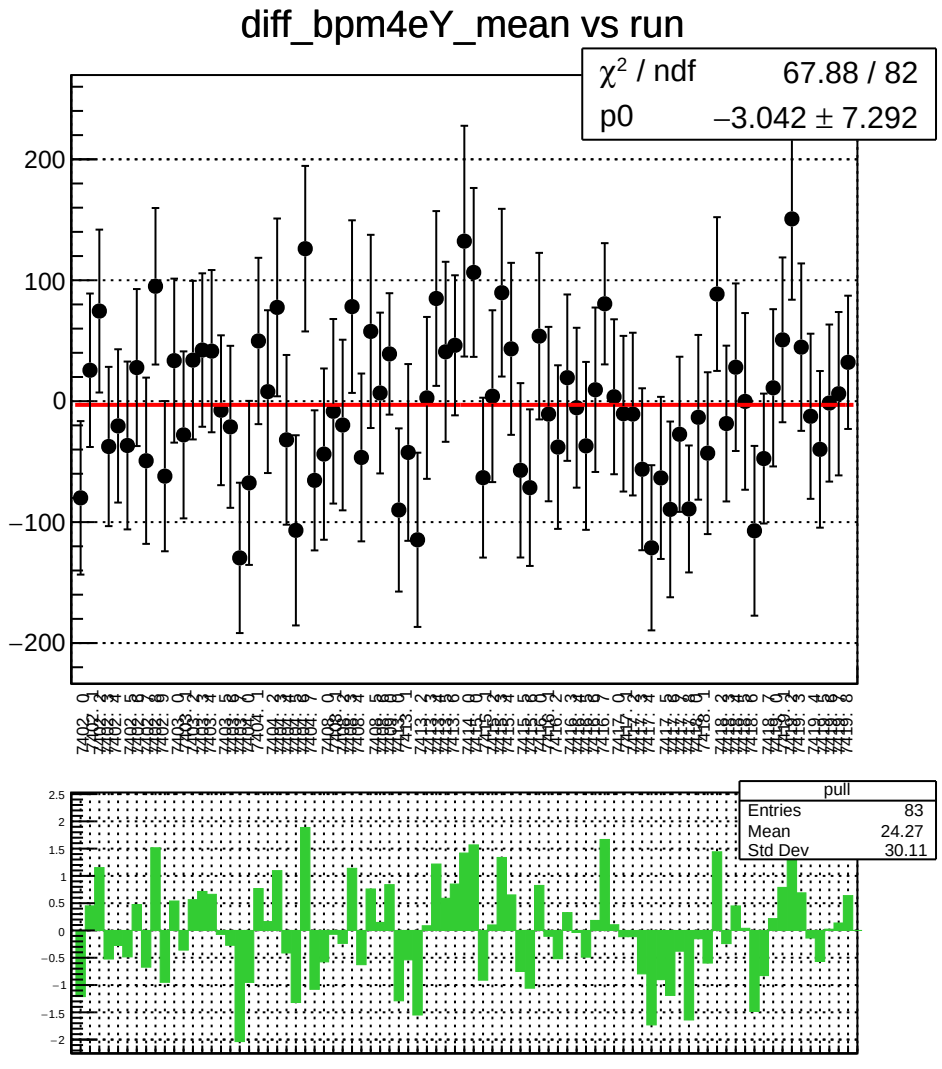

pull1D
Entries 83
Mean 0.002572
Std Dev 0.9149
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

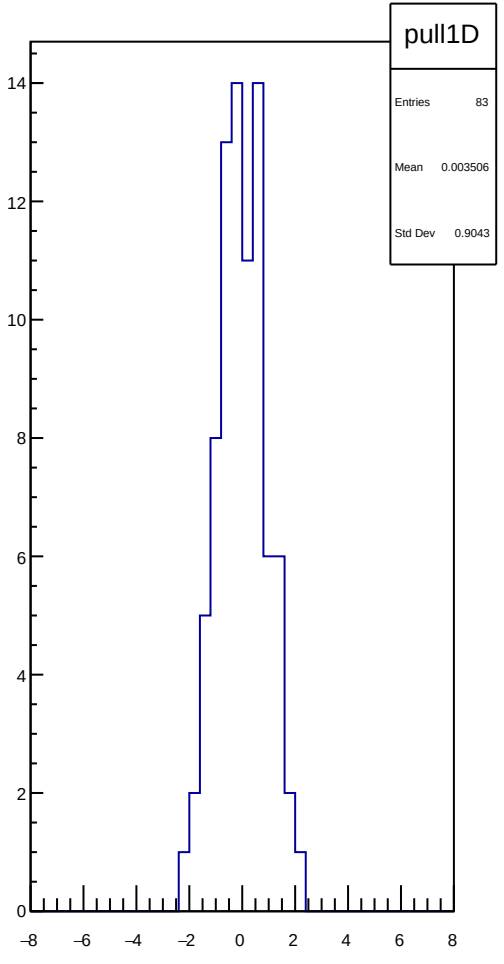

diff_bpm4aY_rms vs run
χ² / ndf 3807 / 82
p0 6617 ± 5.273
8000
7500
7000
6500
6000

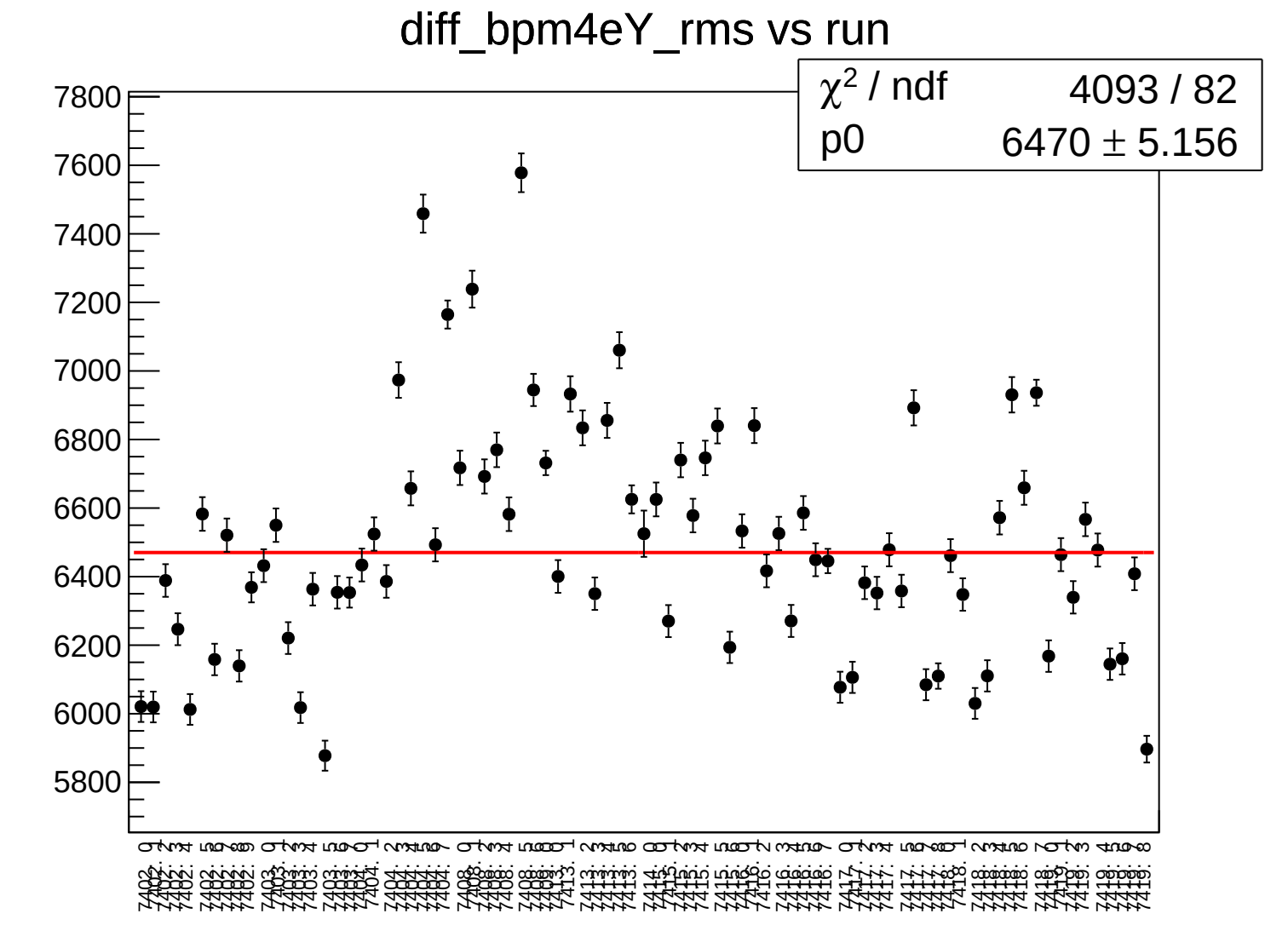

diff_bpm4eX_mean vs run
χ^2 / ndf 69.73 / 82
p0 −6.04 ± 8.601
200
100
0
−100
−200
−300
pull
Entries 83
Mean 128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

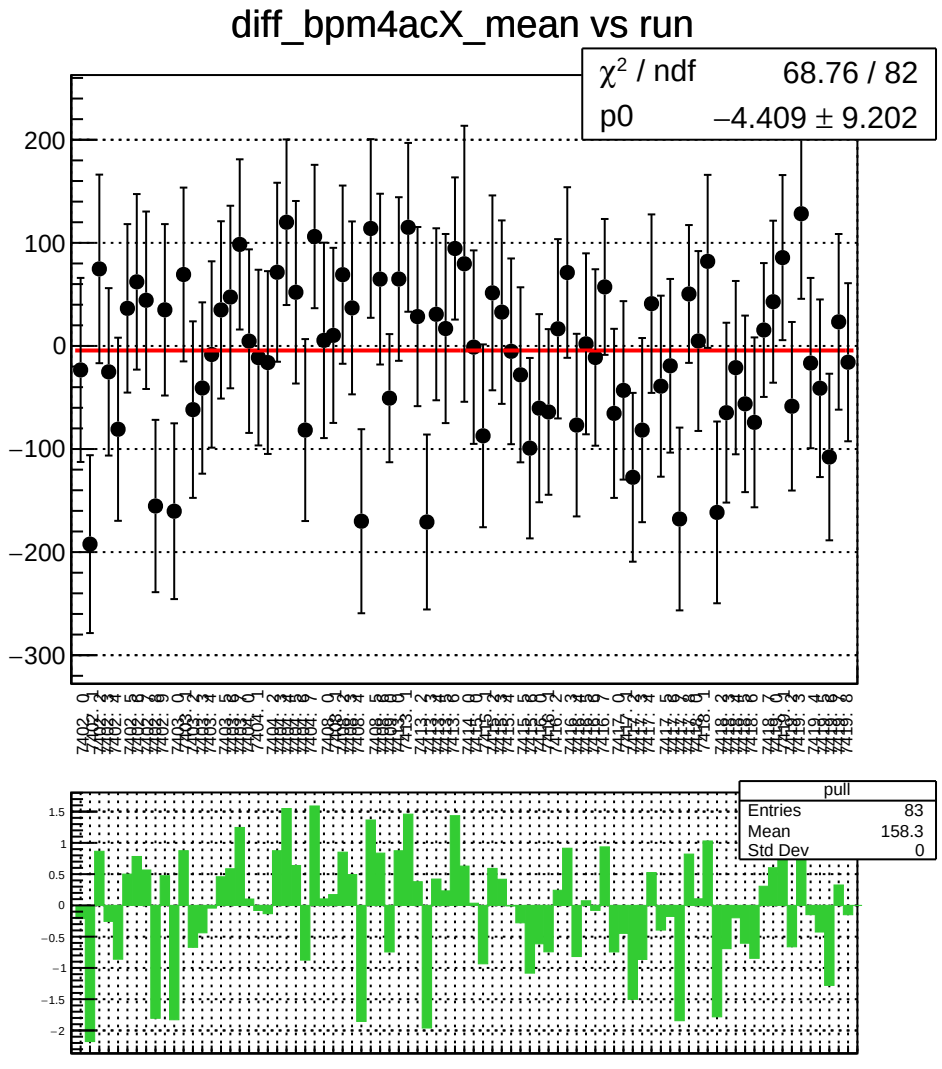

pull1D
Entries 83
Mean −0.01849
Std Dev 0.9164
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

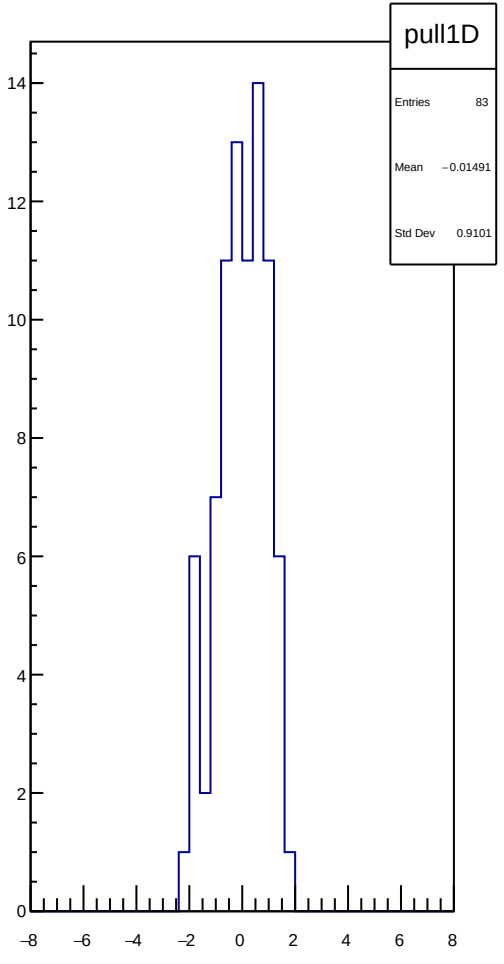

diff_bpm4eX_rms vs run
χ² / ndf 2527 / 82
p0 7635 ± 6.082
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800

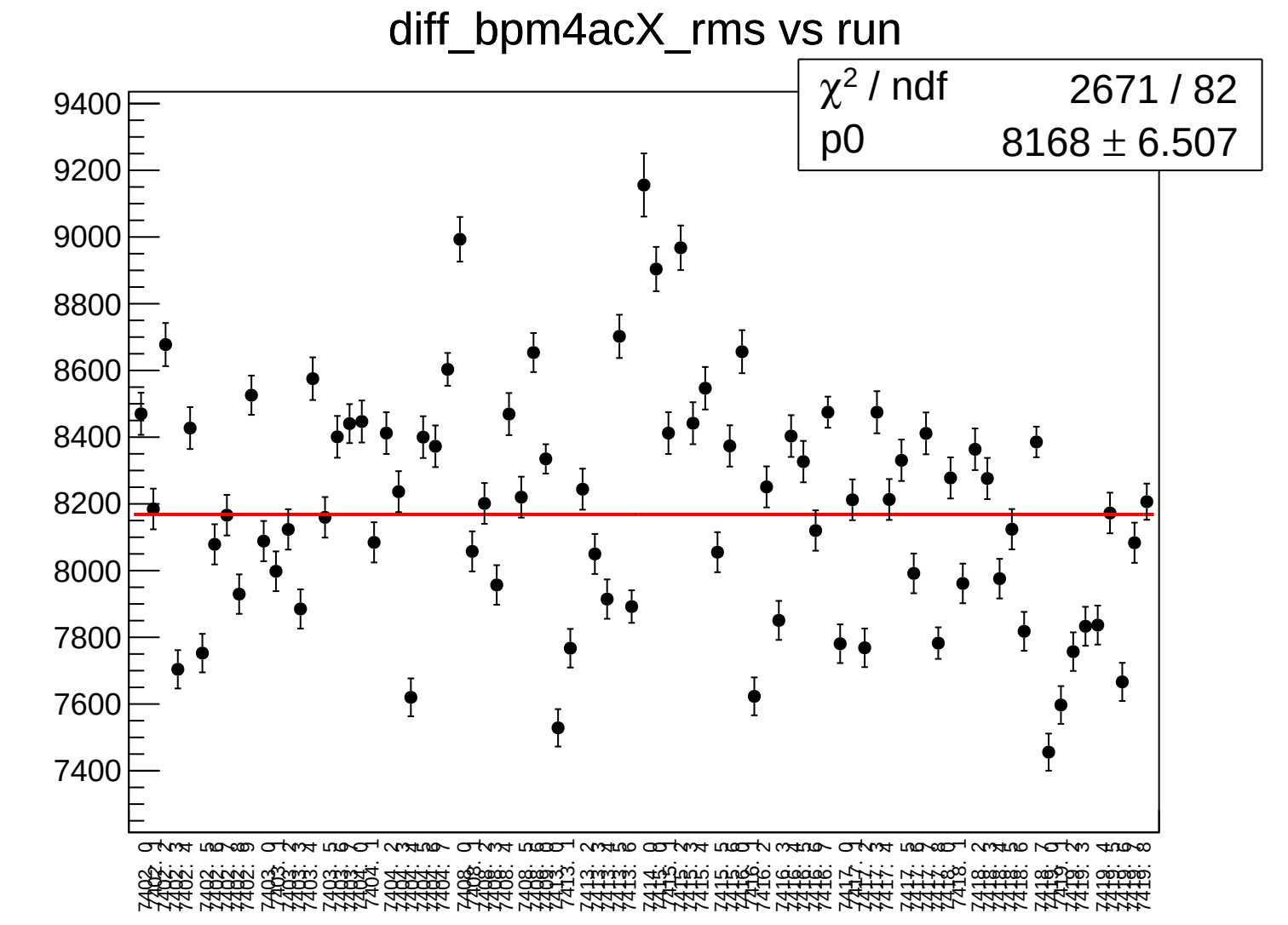

diff_bpm4eY_mean vs run
χ² / ndf 67.88 / 82
p0 −3.042 ± 7.292
200
100
0
−100
−200
pull
Entries 83
Mean 24.27
Std Dev 30.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

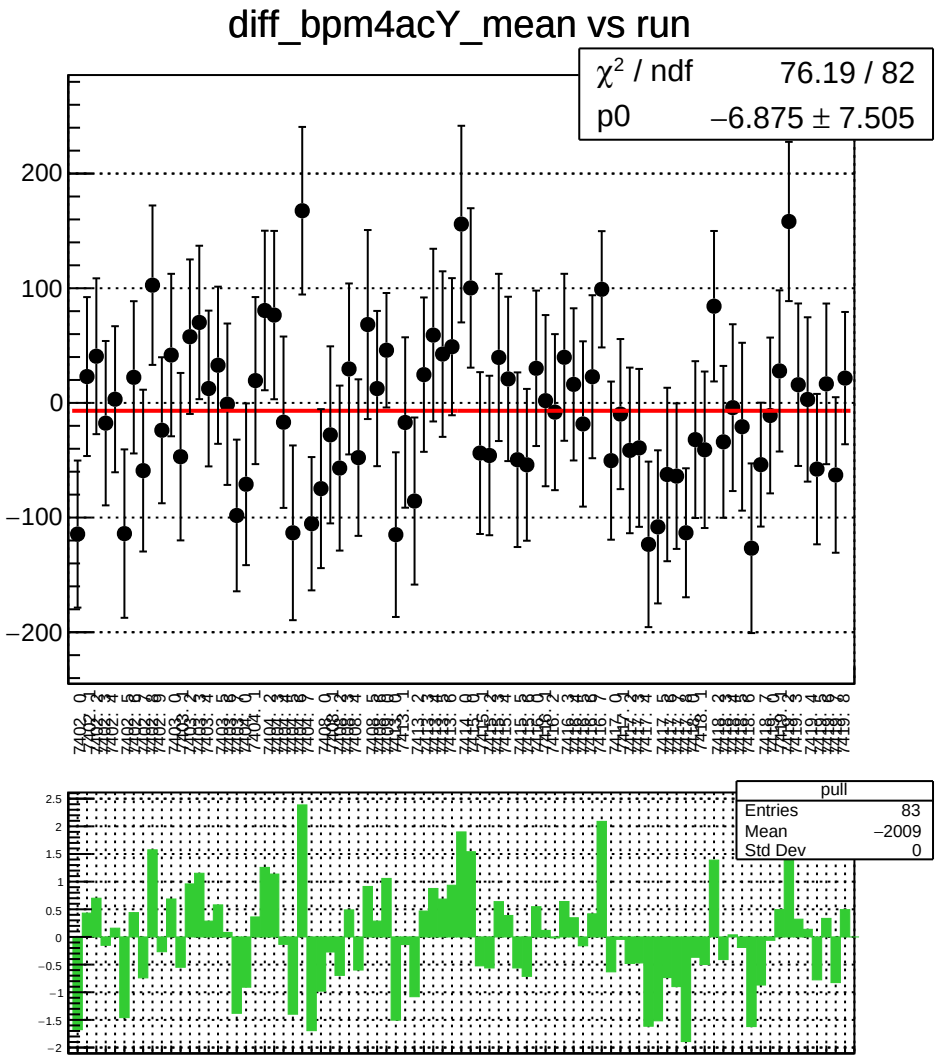

pull1D
Entries 83
Mean 0.003506
Std Dev 0.9043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

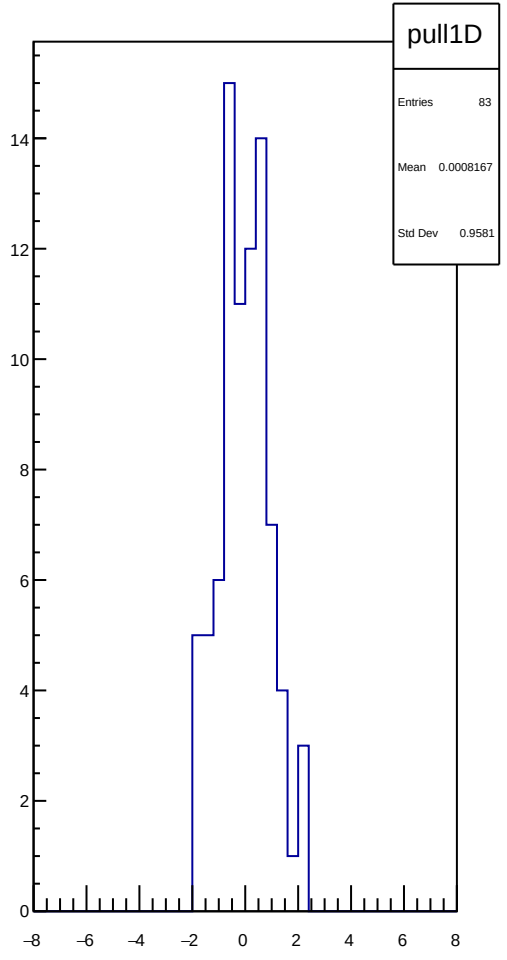

diff_bpm4eY_rms vs run
χ² / ndf 4093 / 82
p0 6470 ± 5.156
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

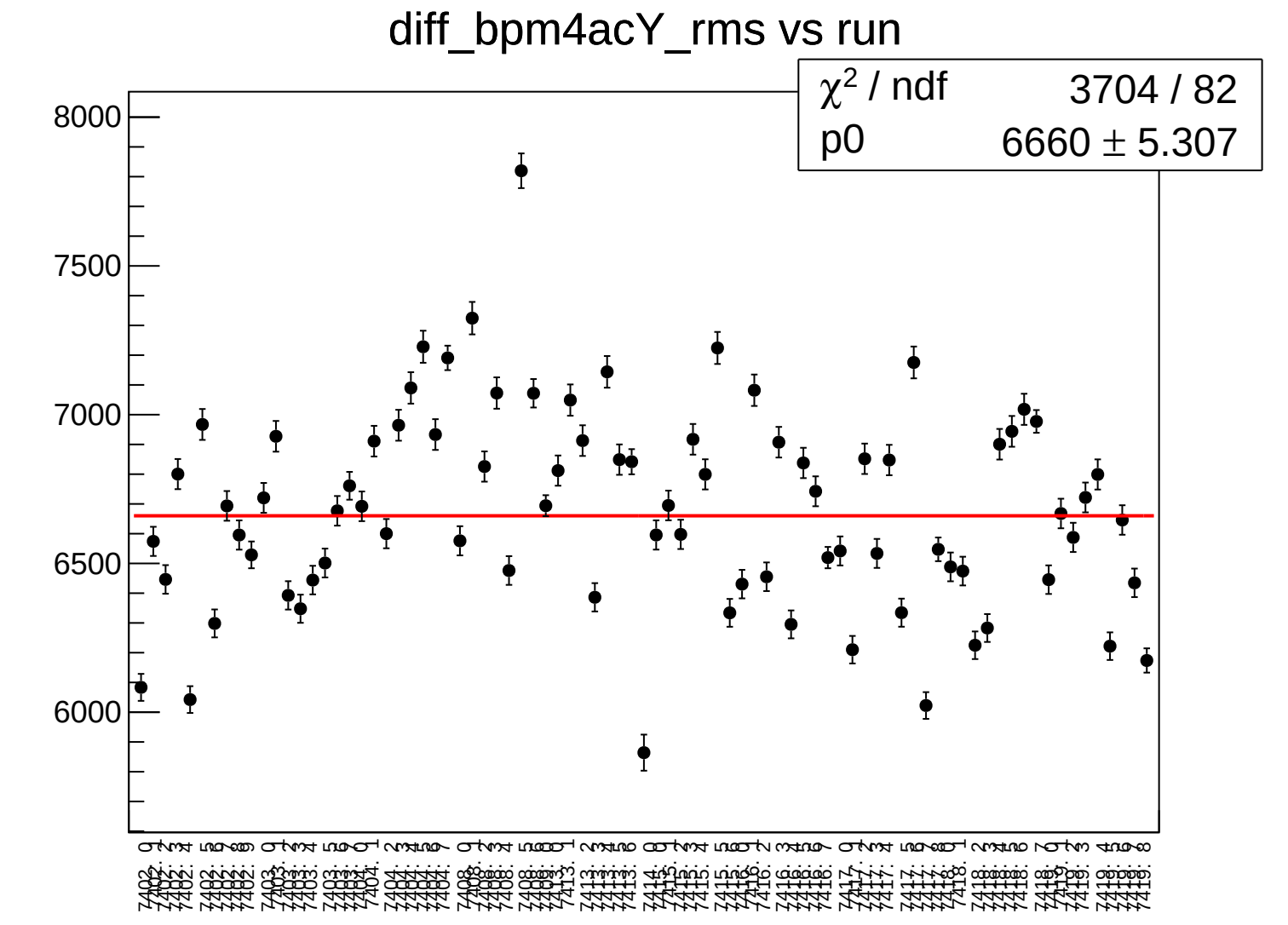

diff_bpm4acX_mean vs run
χ² / ndf 68.76 / 82
p0 −4.409 ± 9.202
200
100
0
−100
−200
−300
pull
Entries 83
Mean 158.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

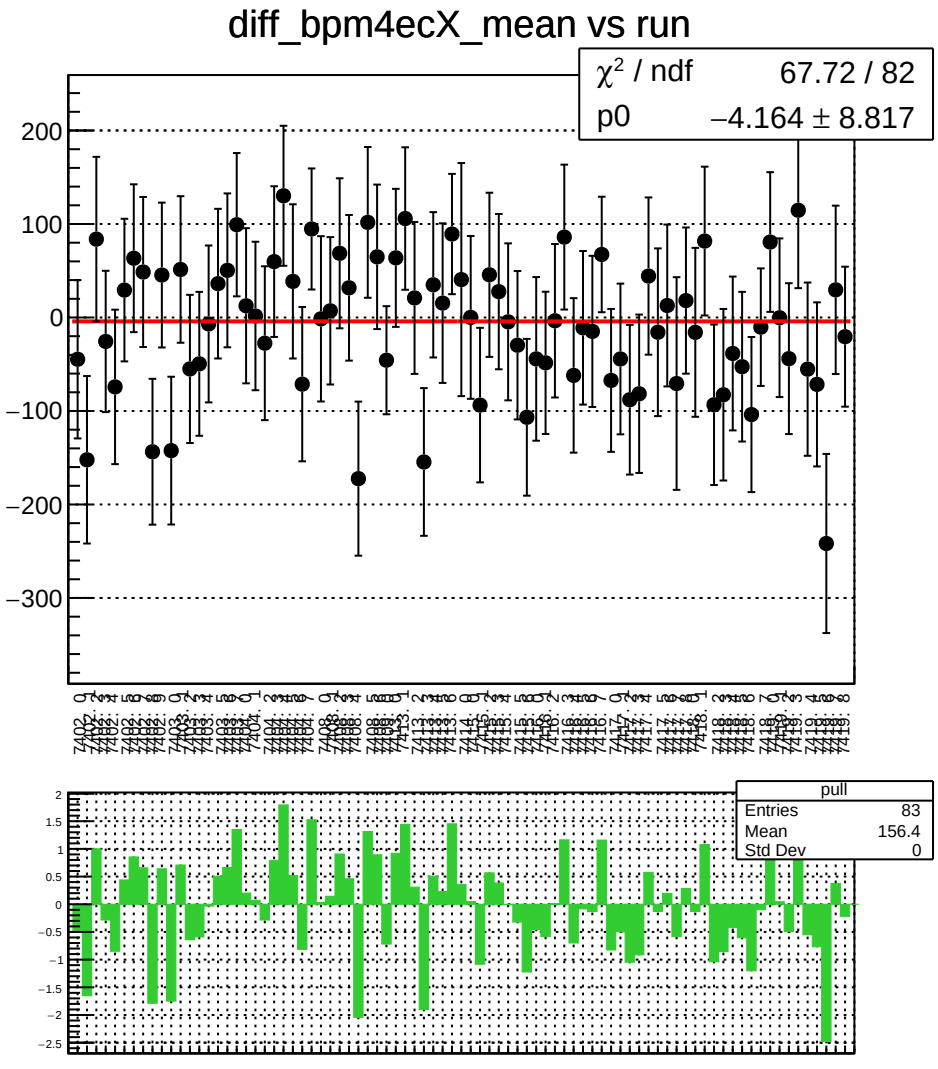

pull1D
Entries 83
Mean −0.01491
Std Dev 0.9101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

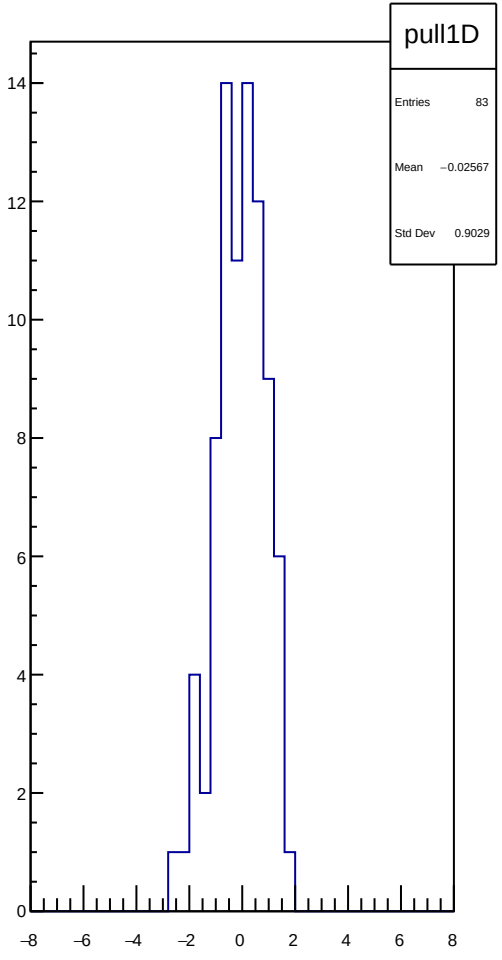

diff_bpm4acX_rms vs run
χ^2 / ndf 2671 / 82
p0 8168 ± 6.507
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

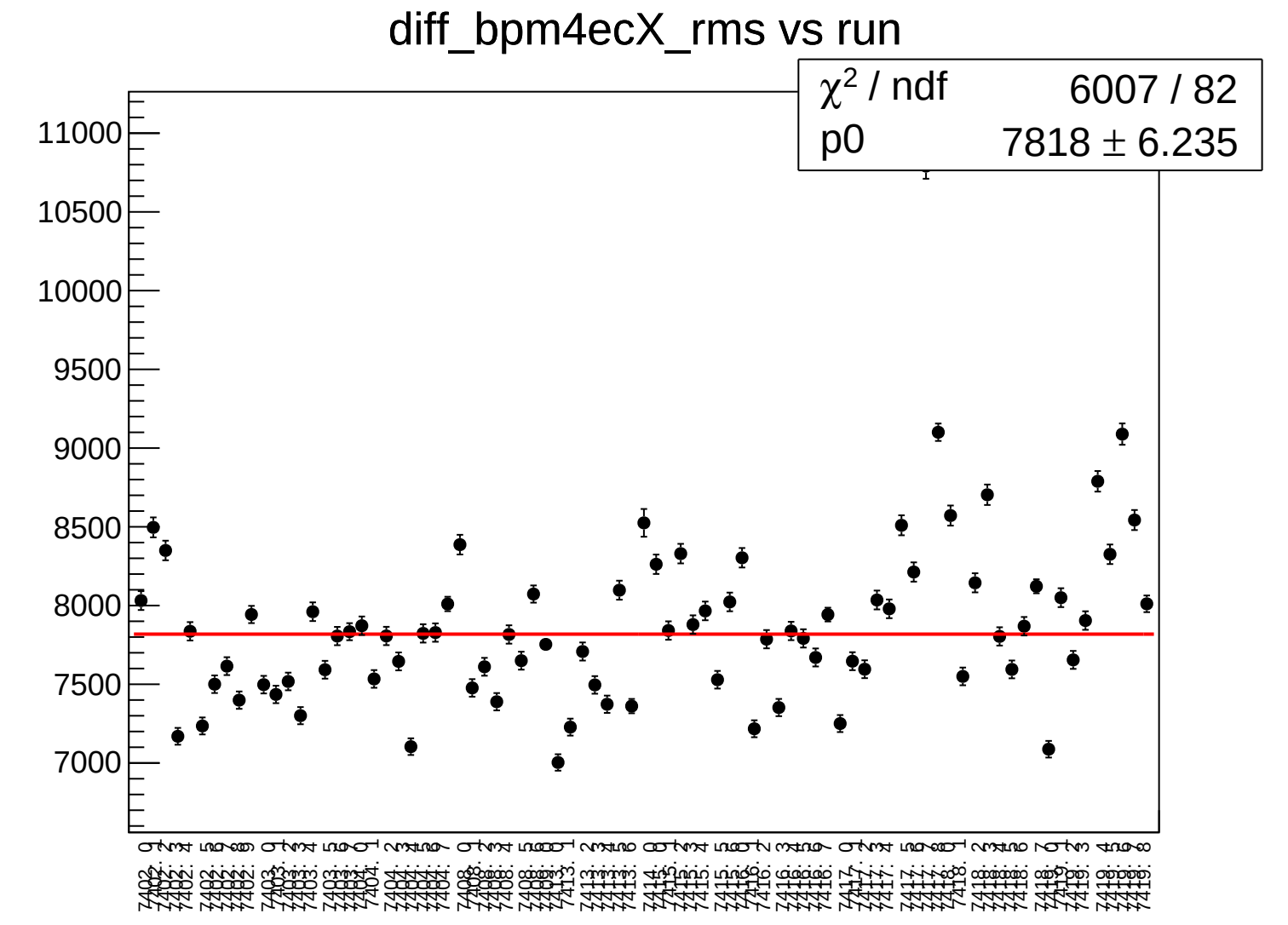

diff_bpm4acY_mean vs run
χ² / ndf 76.19 / 82
p0 −6.875 ± 7.505
200
100
0
−100
−200
pull
Entries 83
Mean −2009
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

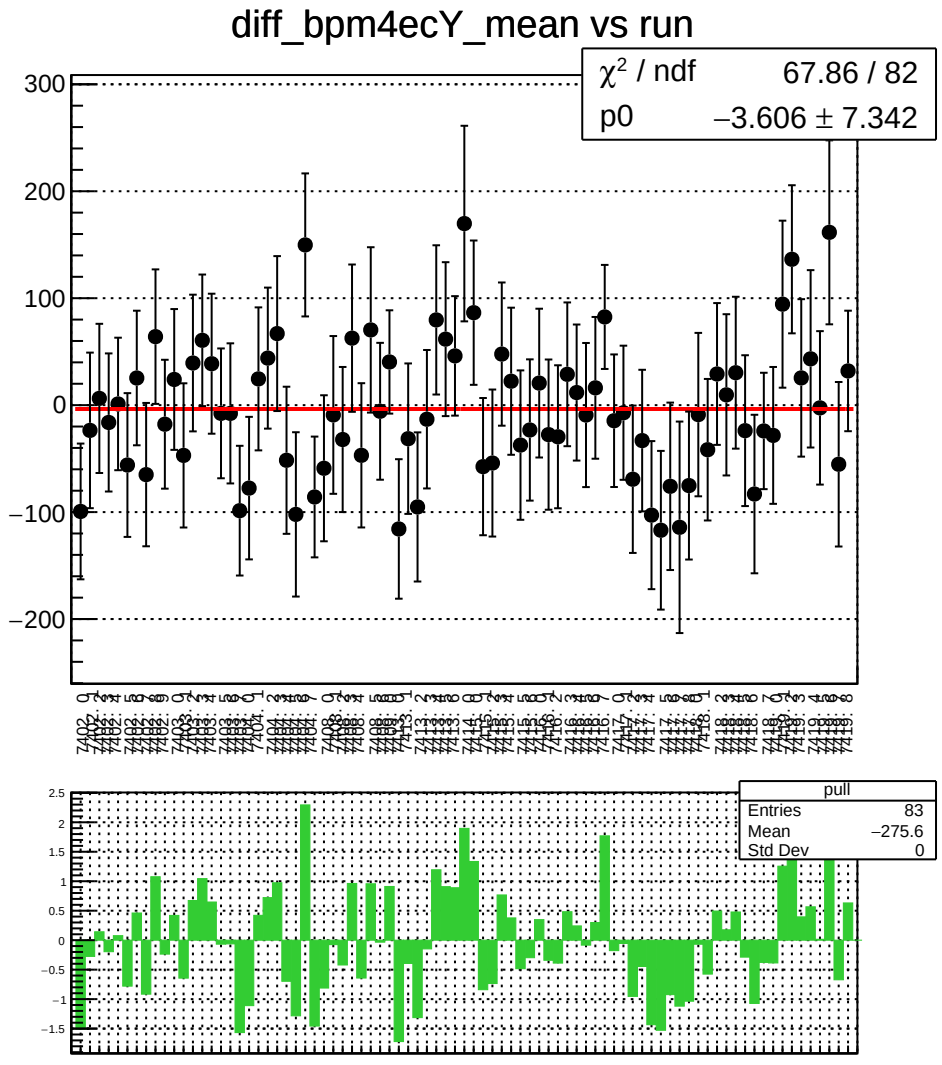

pull1D
Entries 83
Mean 0.0008167
Std Dev 0.9581
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

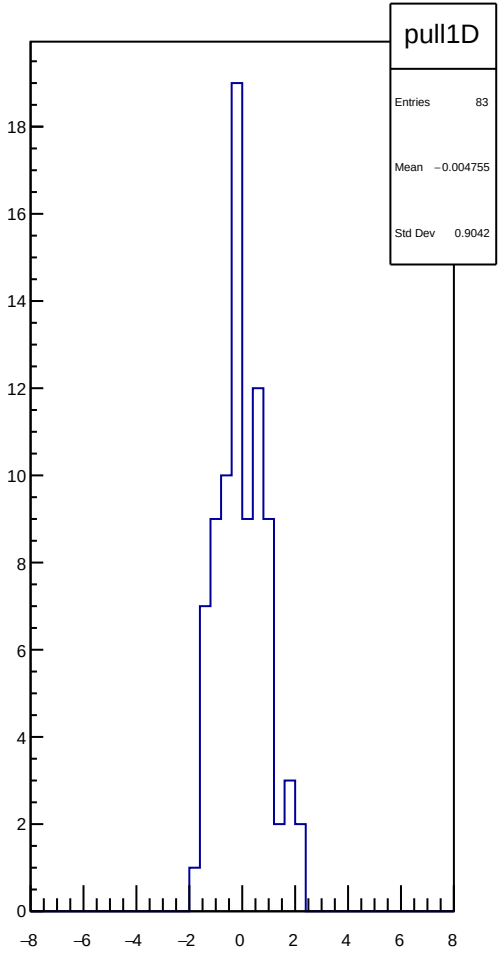

diff_bpm4acY_rms vs run
χ² / ndf 3704 / 82
p0 6660 ± 5.307
8000
7500
7000
6500
6000

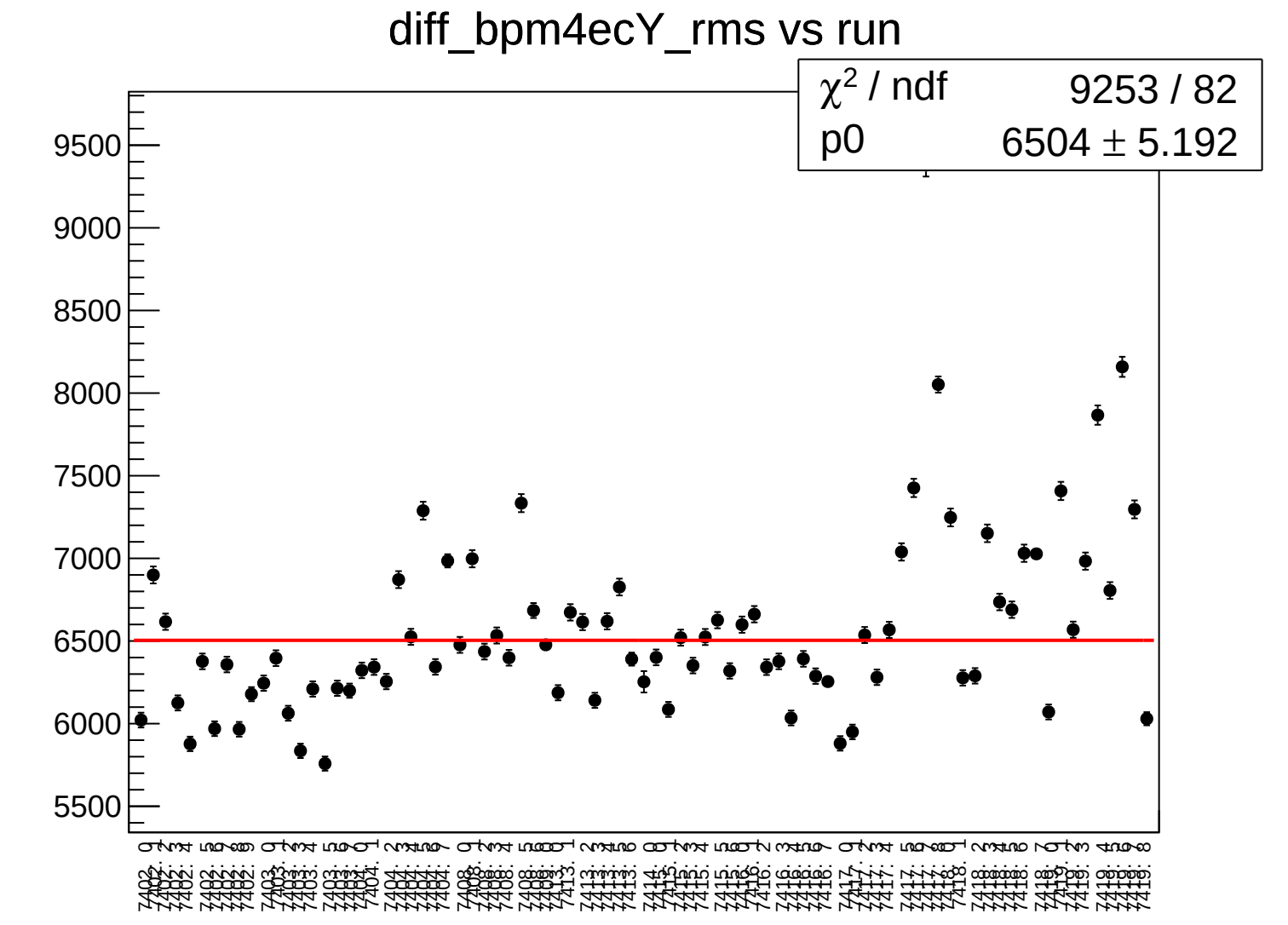

diff_bpm4ecX_mean vs run
χ² / ndf 67.72 / 82
p0 −4.164 ± 8.817
pull
Entries 83
Mean 156.4
Std Dev 0

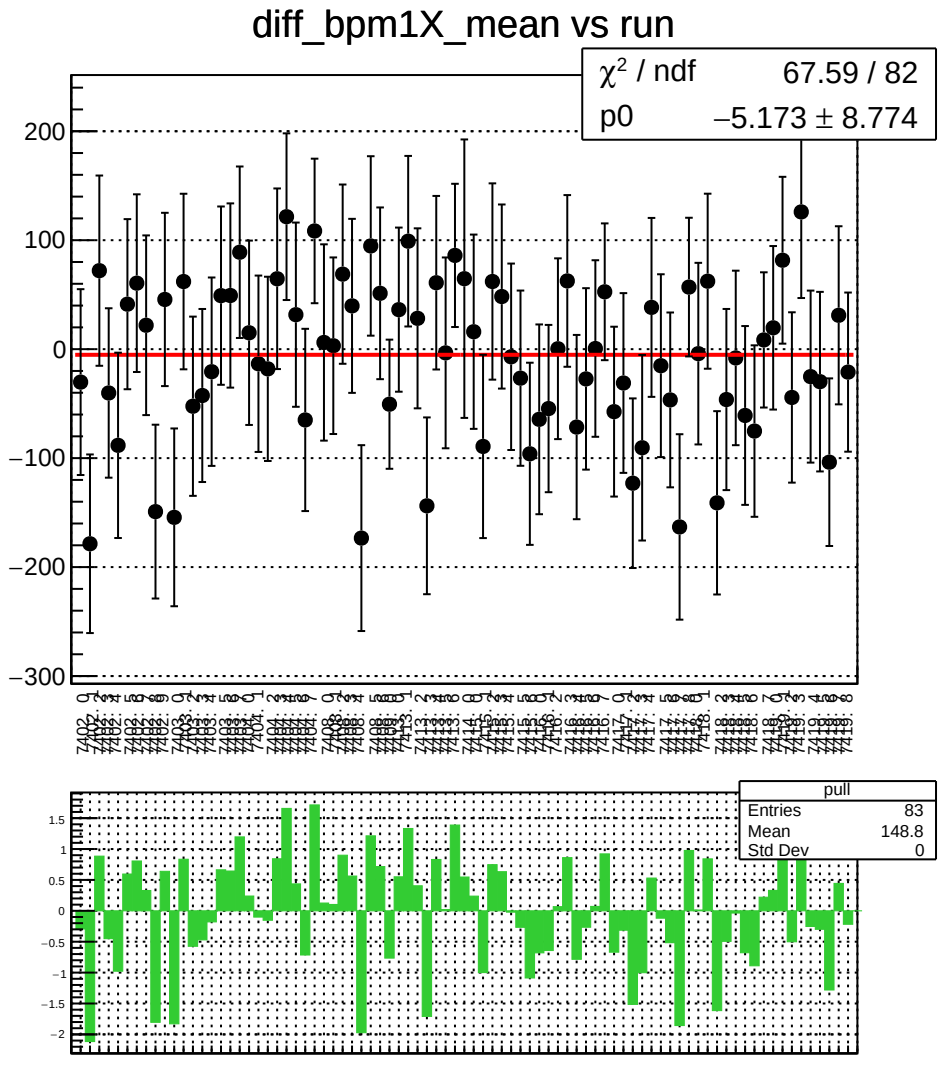

pull1D
Entries 83
Mean −0.02567
Std Dev 0.9029

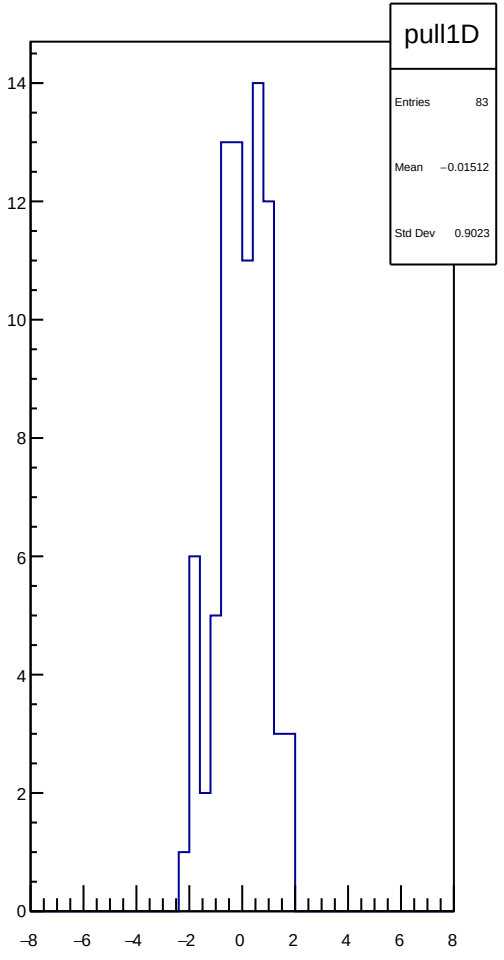

diff_bpm4ecX_rms vs run
χ² / ndf 6007 / 82
p0 7818 ± 6.235
11000
10500
10000
9500
9000
8500
8000
7500
7000

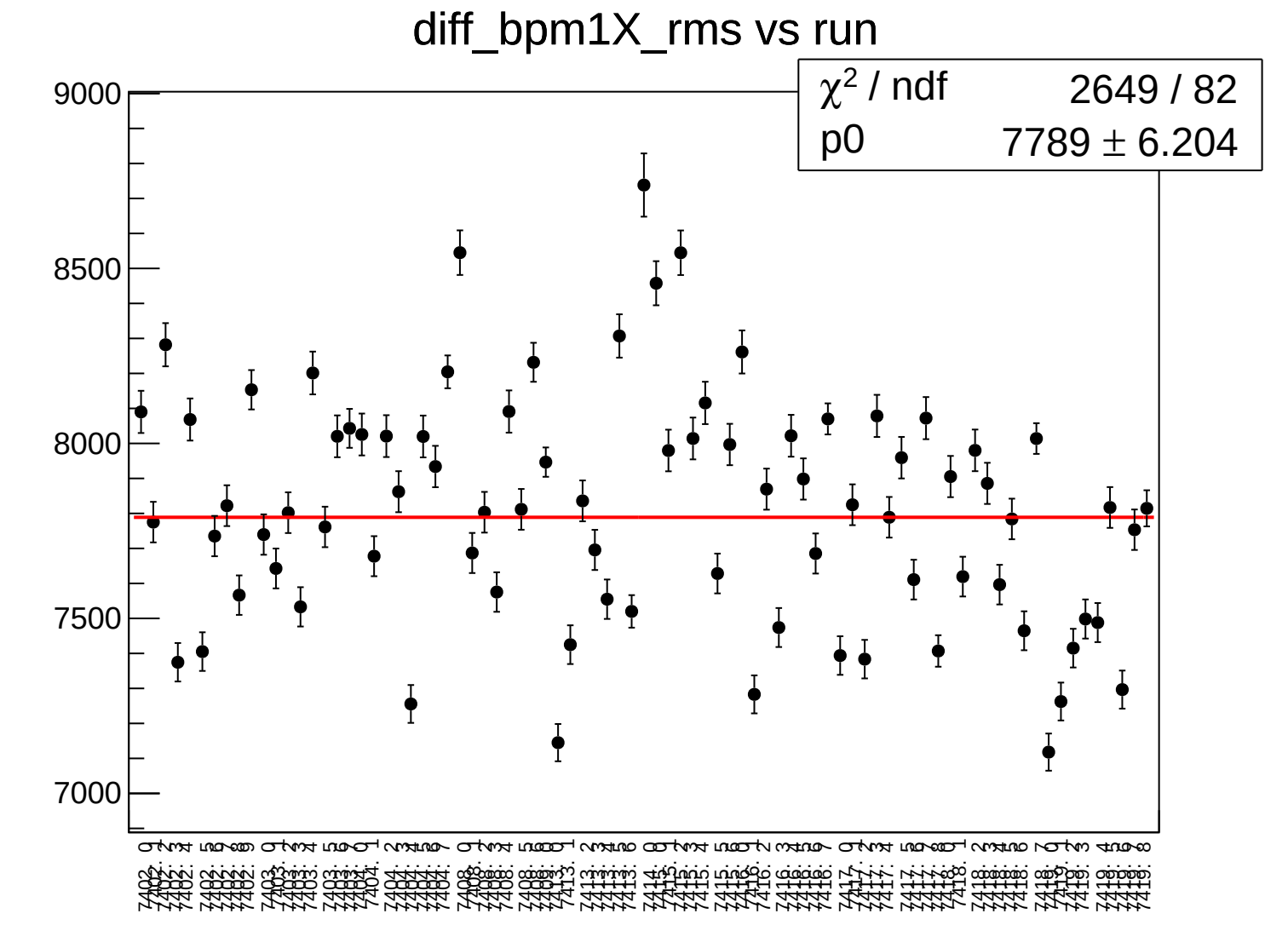

diff_bpm4ecY_mean vs run
χ² / ndf 67.86 / 82
p0 −3.606 ± 7.342
pull
Entries 83
Mean −275.6
Std Dev 0

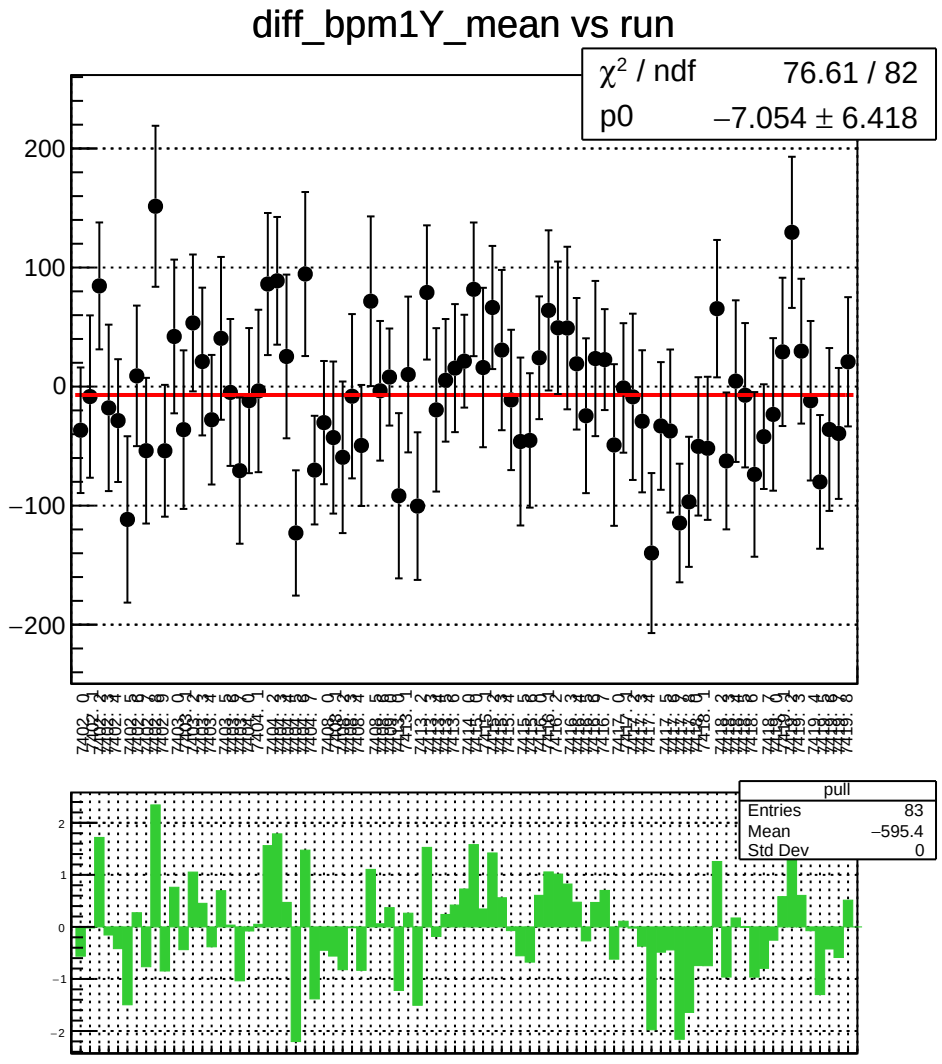

pull1D
Entries 83
Mean −0.004755
Std Dev 0.9042

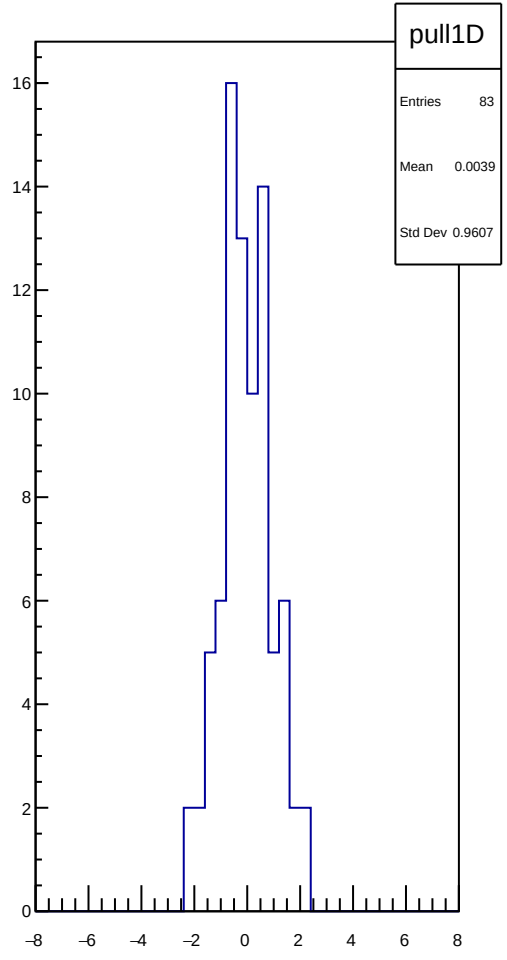

diff_bpm4ecY_rms vs run
χ^2 / ndf 9253 / 82
p0 6504 ± 5.192
9500
9000
8500
8000
7500
7000
6500
6000
5500

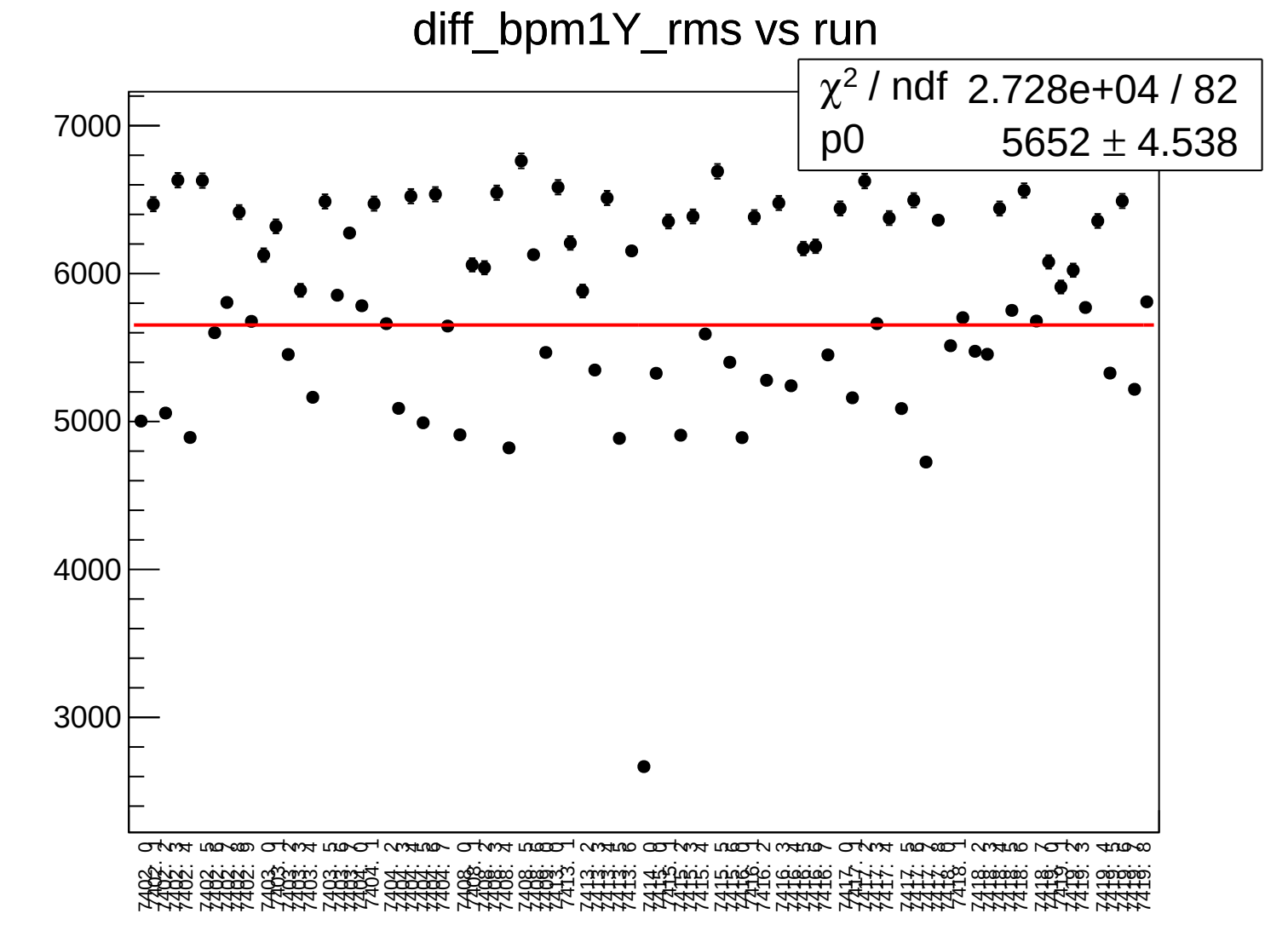

diff_bpm1X_mean vs run
χ² / ndf 67.59 / 82
p0 −5.173 ± 8.774
pull
Entries 83
Mean 148.8
Std Dev 0

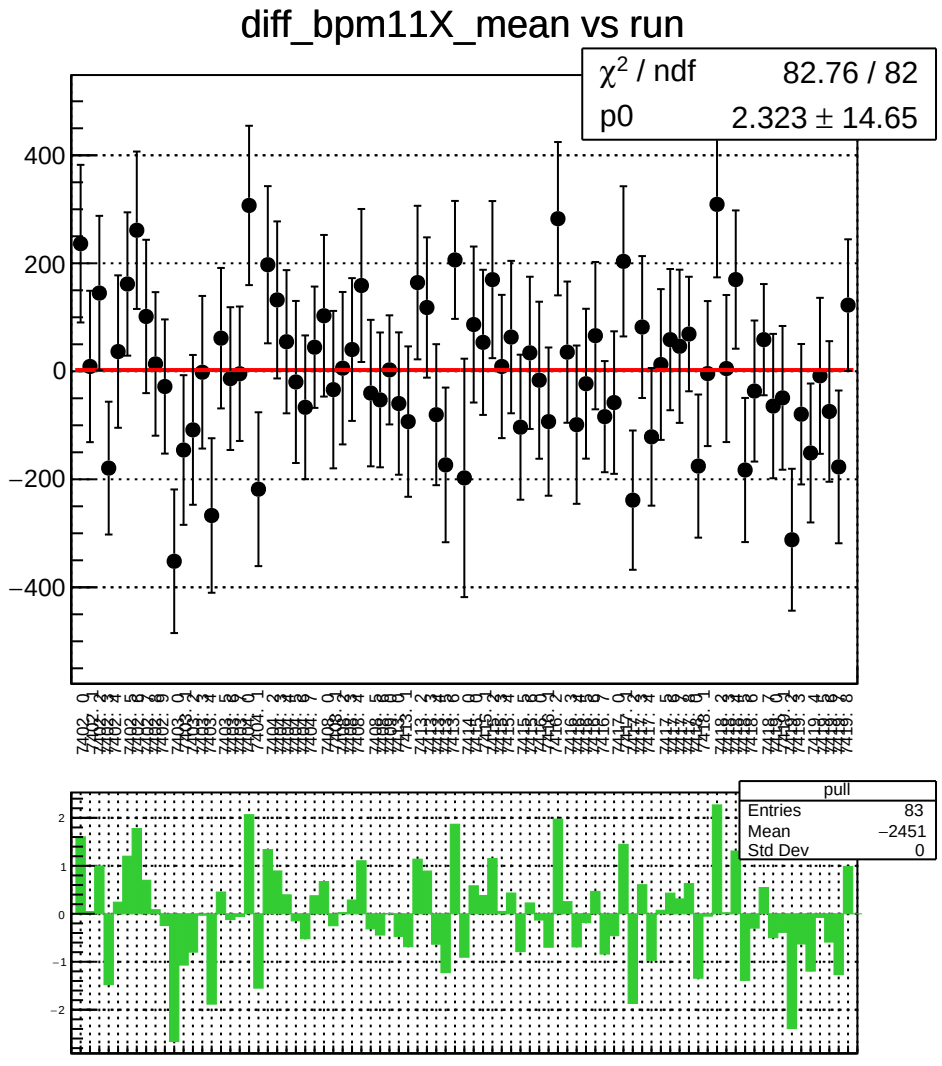

pull1D
Entries 83
Mean −0.01512
Std Dev 0.9023

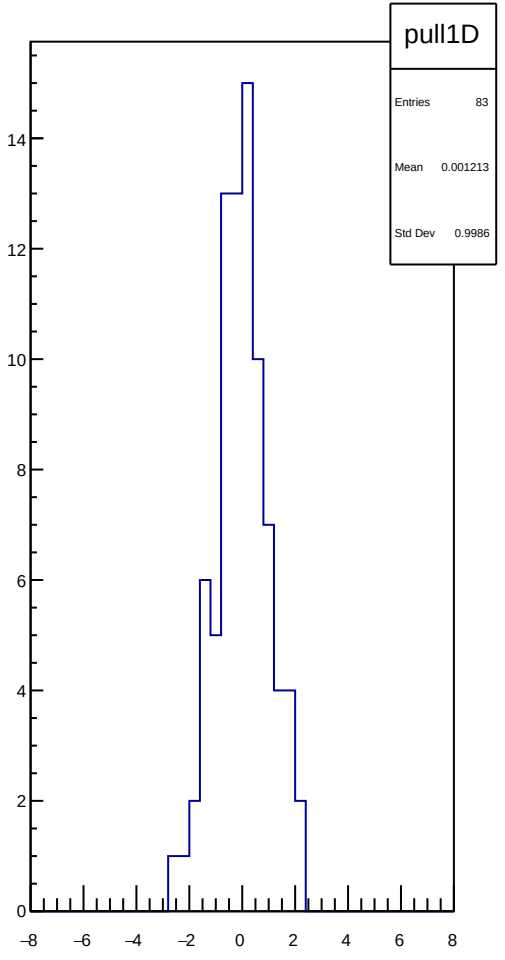

diff_bpm1X_rms vs run
χ² / ndf 2649 / 82
p0 7789 ± 6.204
9000
8500
8000
7500
7000

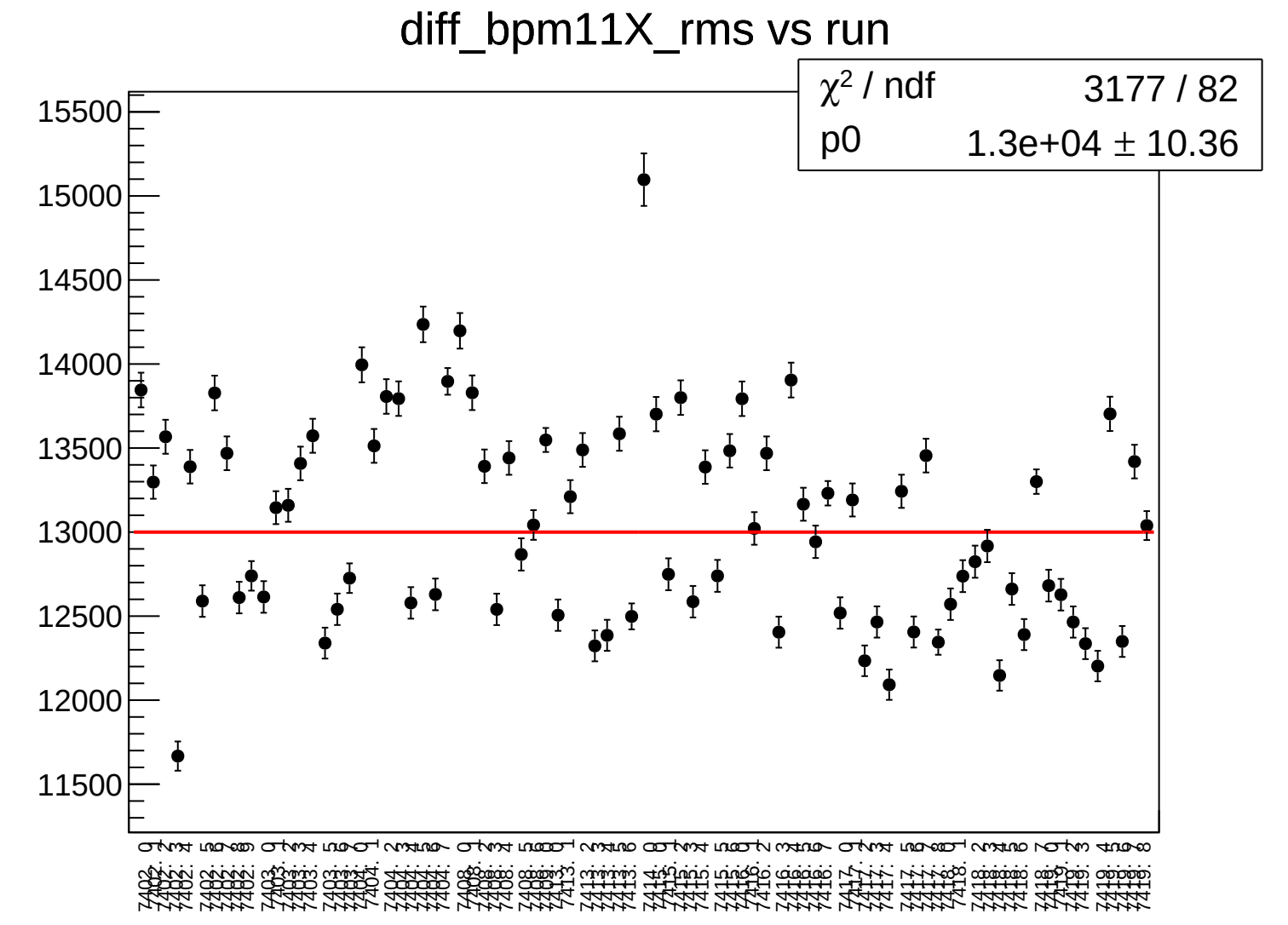

diff_bpm1Y_mean vs run
χ² / ndf 76.61 / 82
p0 −7.054 ± 6.418
200
100
0
−100
−200
pull
Entries 83
Mean −595.4
Std Dev 0
2
1
0
−1
−2

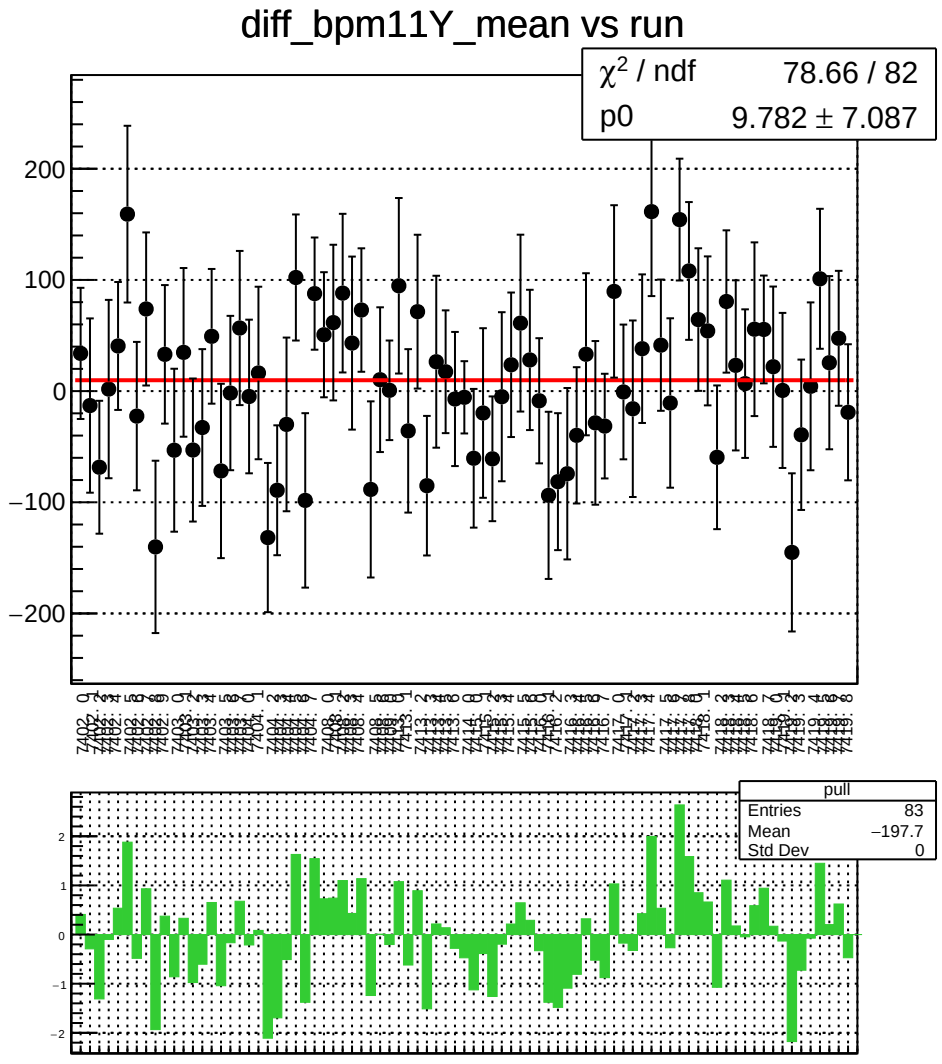

pull1D
Entries 83
Mean 0.0039
Std Dev 0.9607
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

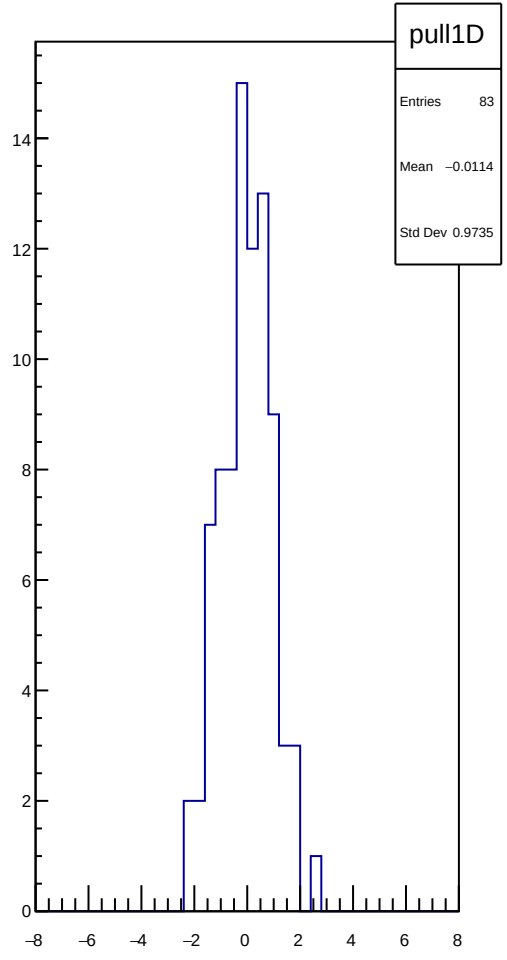

diff_bpm1Y_rms vs run
χ^2 / ndf 2.728e+04 / 82
p0 5652 ± 4.538
7000
6000
5000
4000
3000

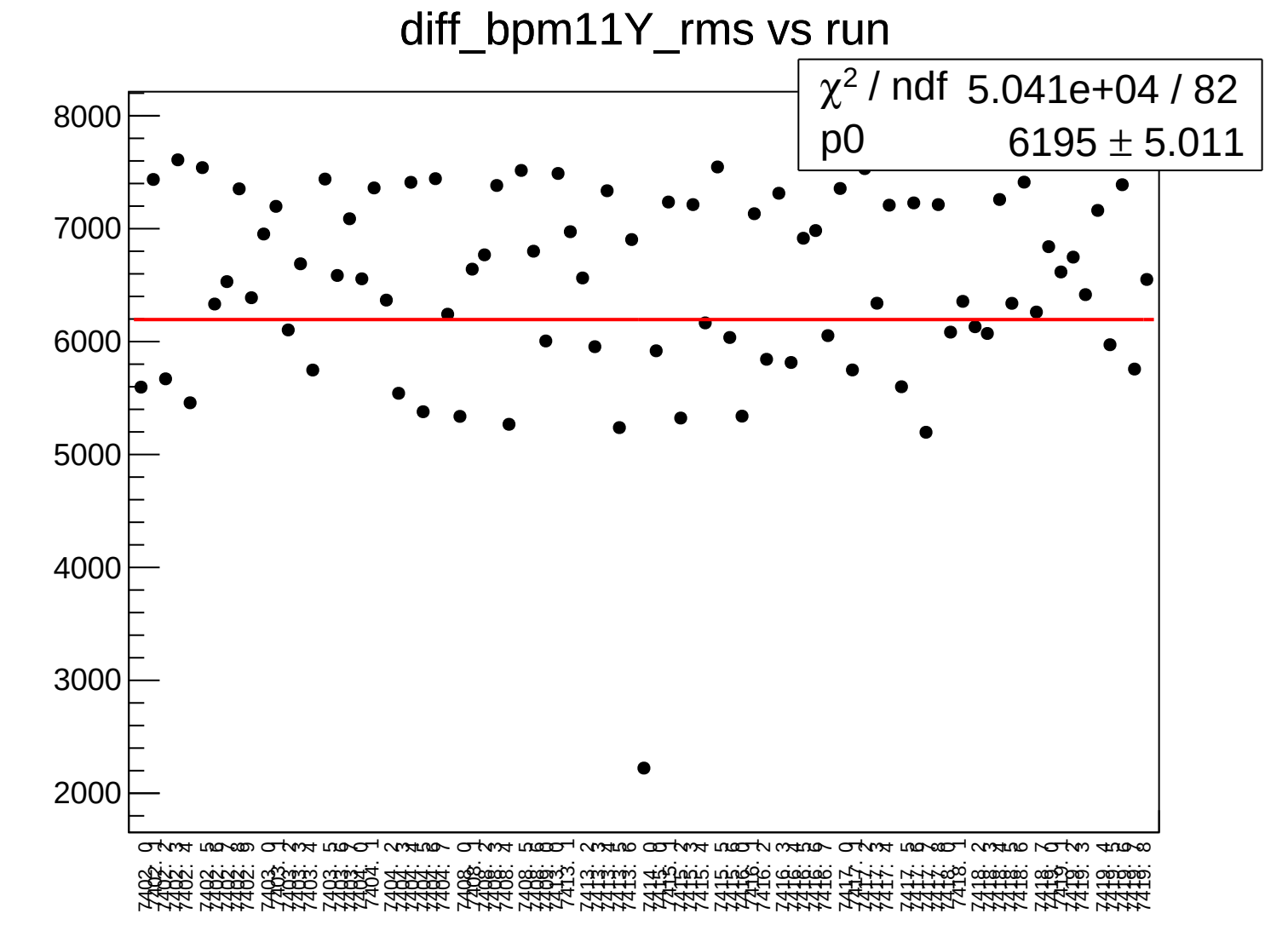

diff_bpm11X_mean vs run
χ^2 / ndf 82.76 / 82
p0 2.323 ± 14.65
400
200
0
−200
−400
pull
Entries 83
Mean −2451
Std Dev 0
2
1
0
−1
−2

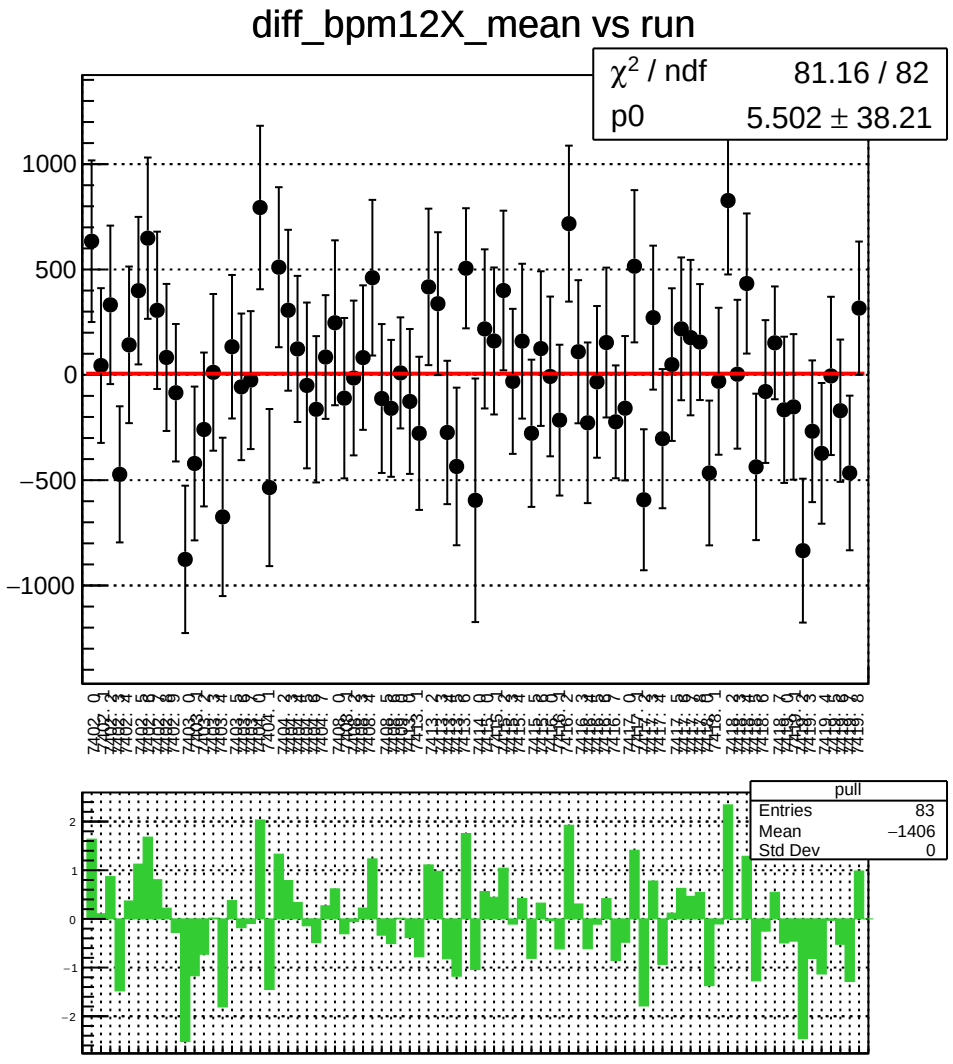

pull1D
Entries 83
Mean 0.001213
Std Dev 0.9986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

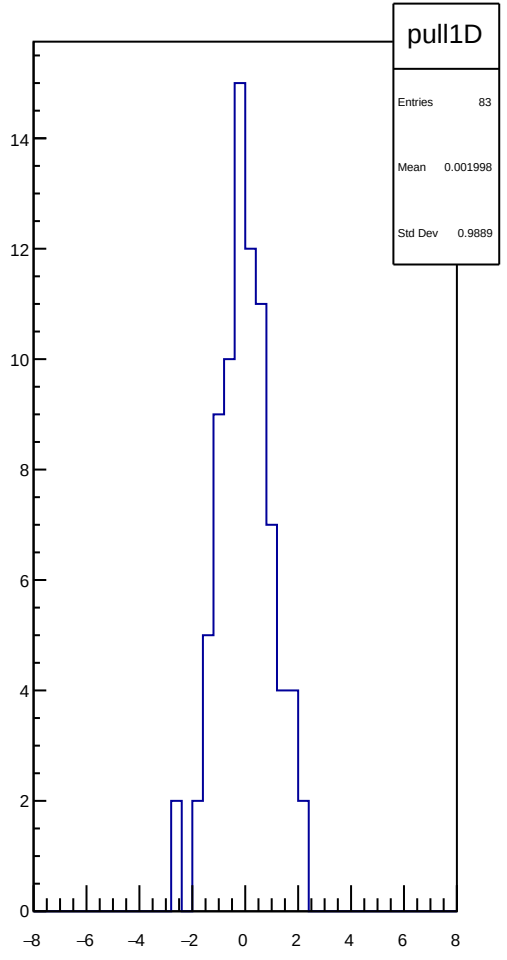

diff_bpm11X_rms vs run
χ² / ndf 3177 / 82
p0 1.3e+04 ± 10.36
15500
15000
14500
14000
13500
13000
12500
12000
11500

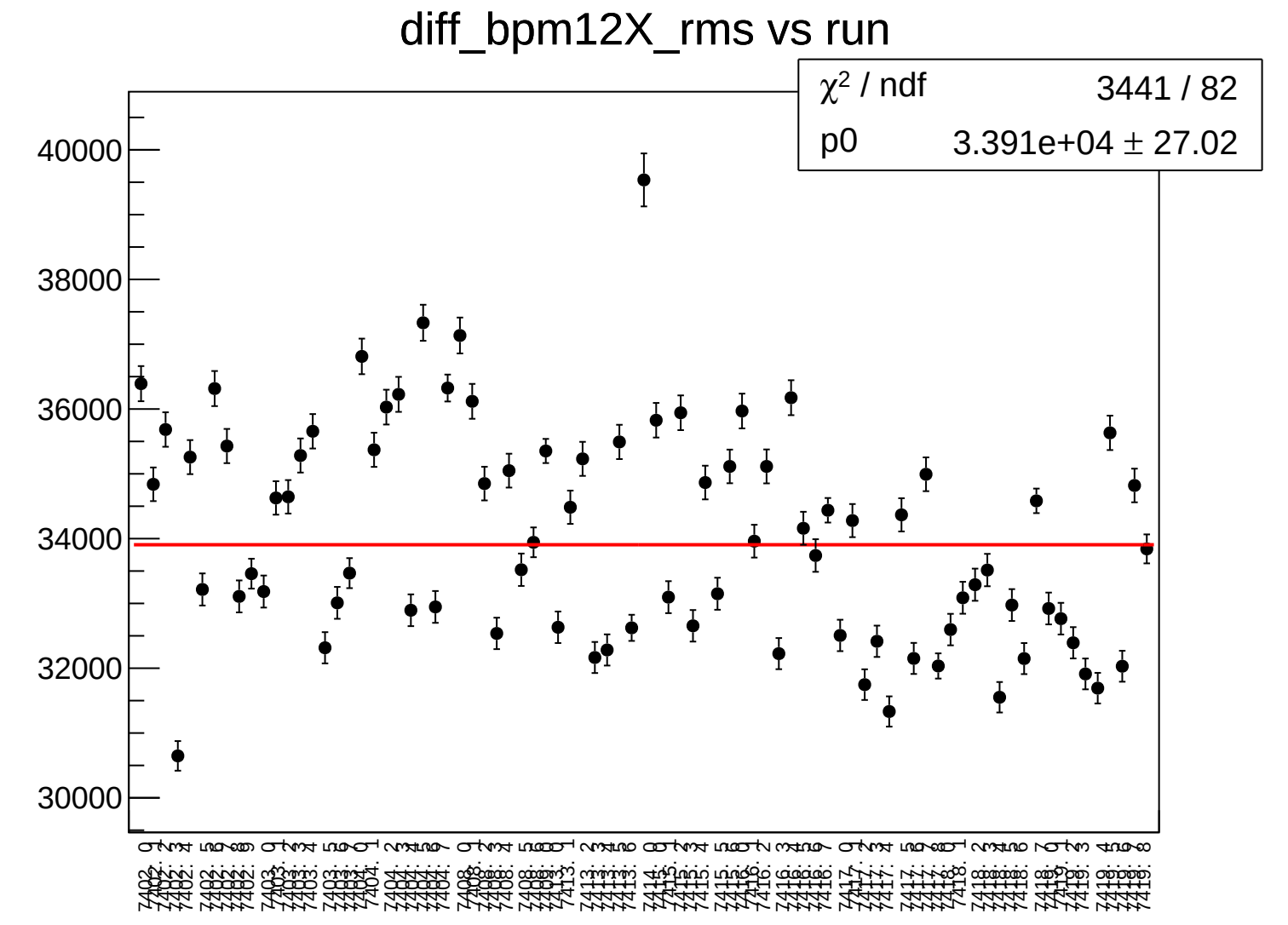

diff_bpm11Y_mean vs run
χ^2 / ndf 78.66 / 82
p0 9.782 ± 7.087
200
100
0
−100
−200
pull
Entries 83
Mean −197.7
Std Dev 0
2
1
0
−1
−2

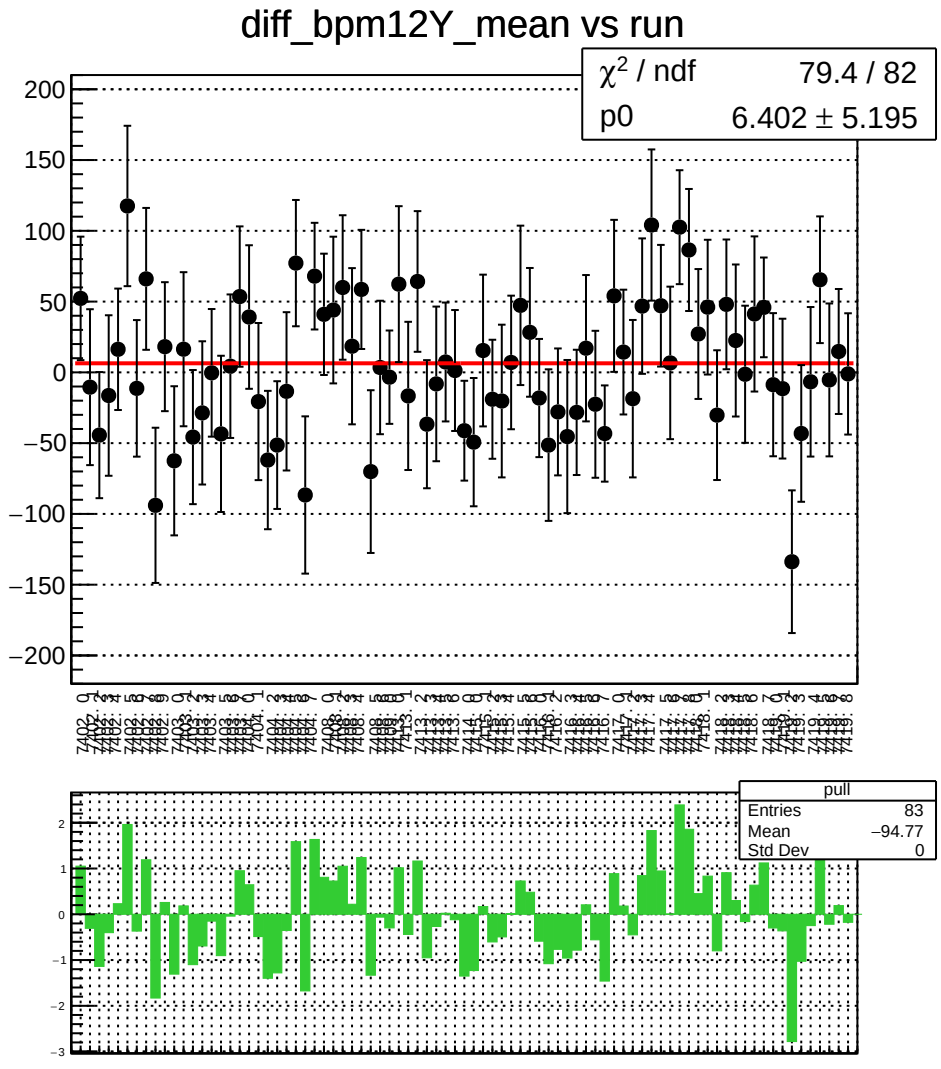

pull1D
Entries 83
Mean −0.0114
Std Dev 0.9735
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

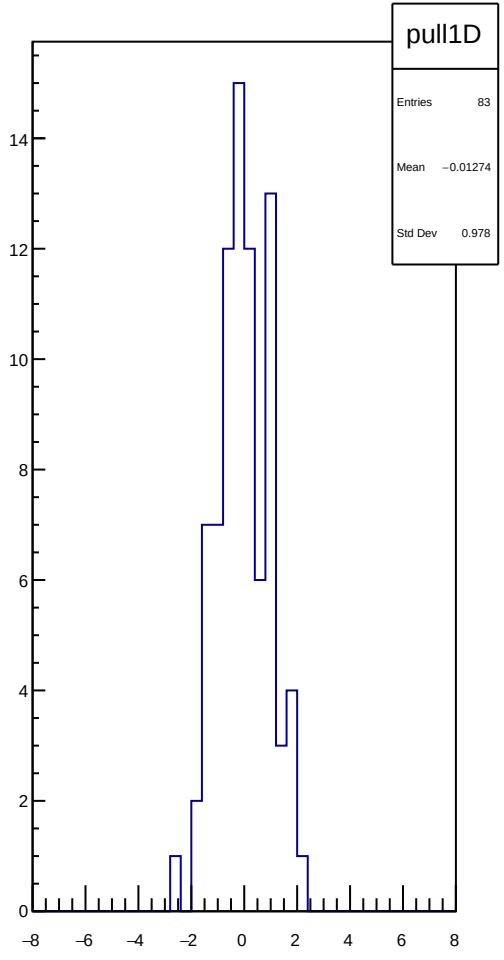

diff_bpm11Y_rms vs run
χ² / ndf 5.041e+04 / 82
p0 6195 ± 5.011
8000
7000
6000
5000
4000
3000
2000

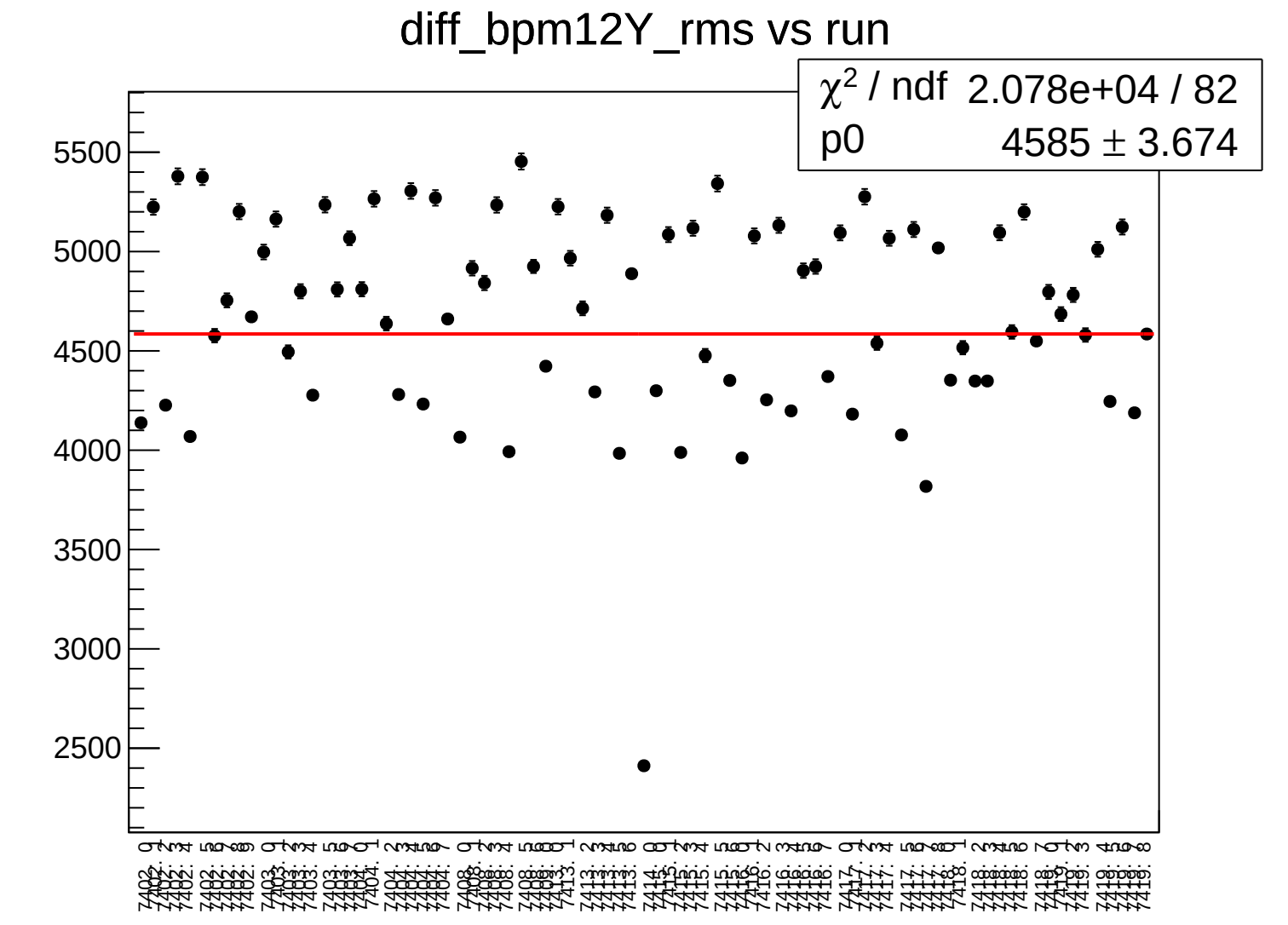

diff_bpm12X_mean vs run
χ^2 / ndf 81.16 / 82
p0 5.502 ± 38.21
1000
500
0
−500
−1000
pull
Entries 83
Mean −1406
Std Dev 0
2
1
0
−1
−2

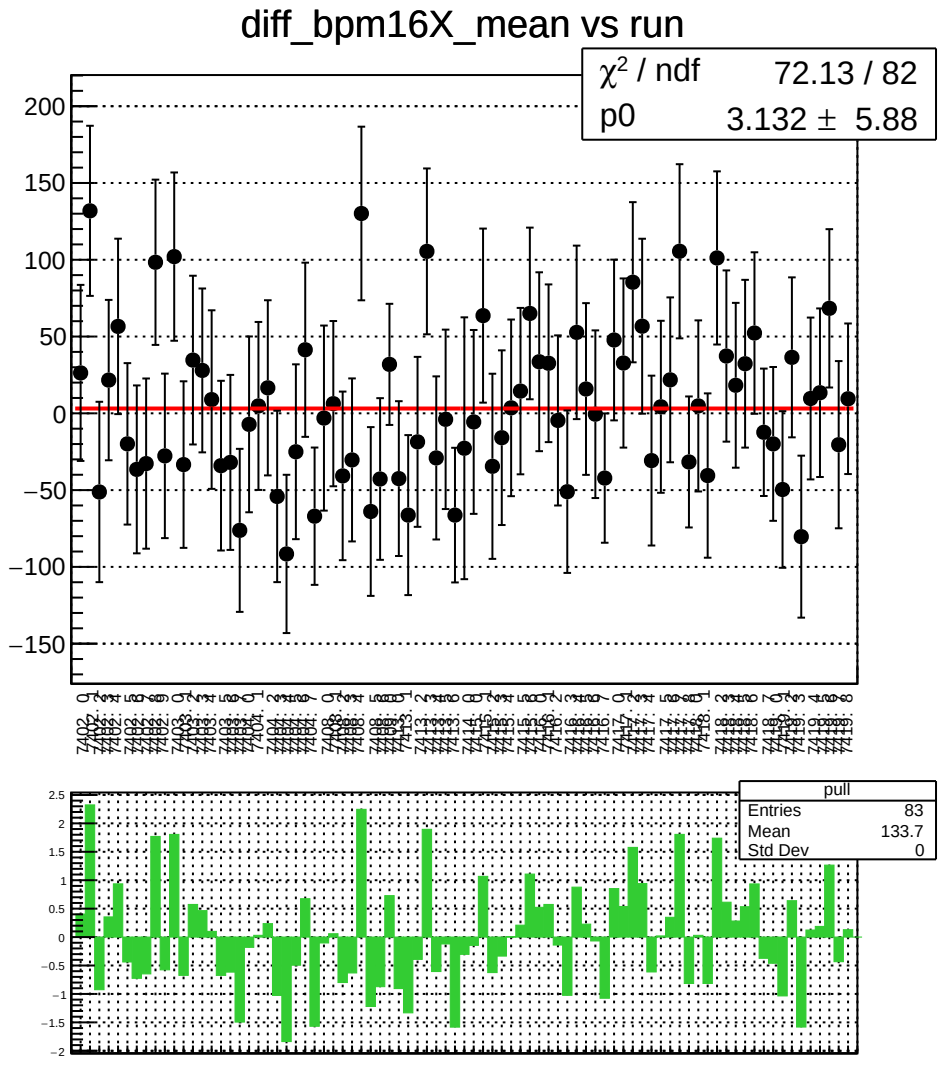

pull1D
Entries 83
Mean 0.001998
Std Dev 0.9889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

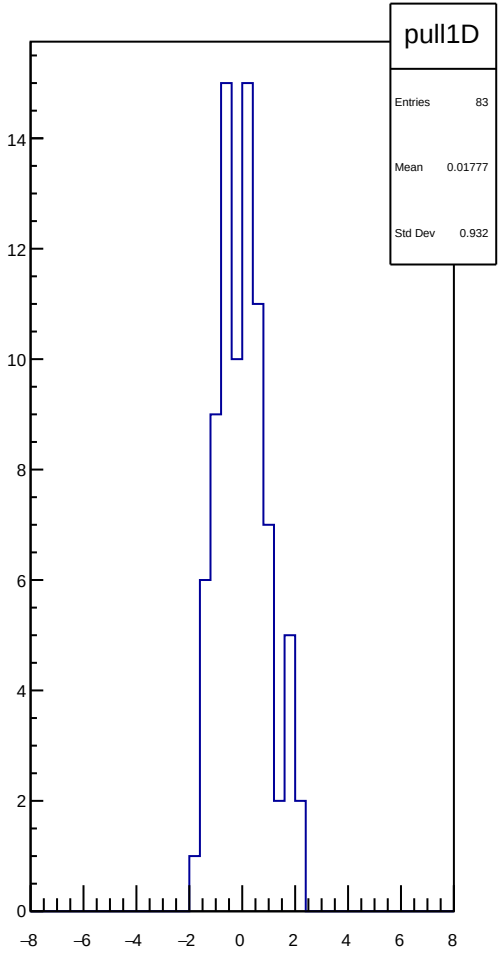

diff_bpm12X_rms vs run
χ² / ndf 3441 / 82
p0 3.391e+04 ± 27.02
40000
38000
36000
34000
32000
30000

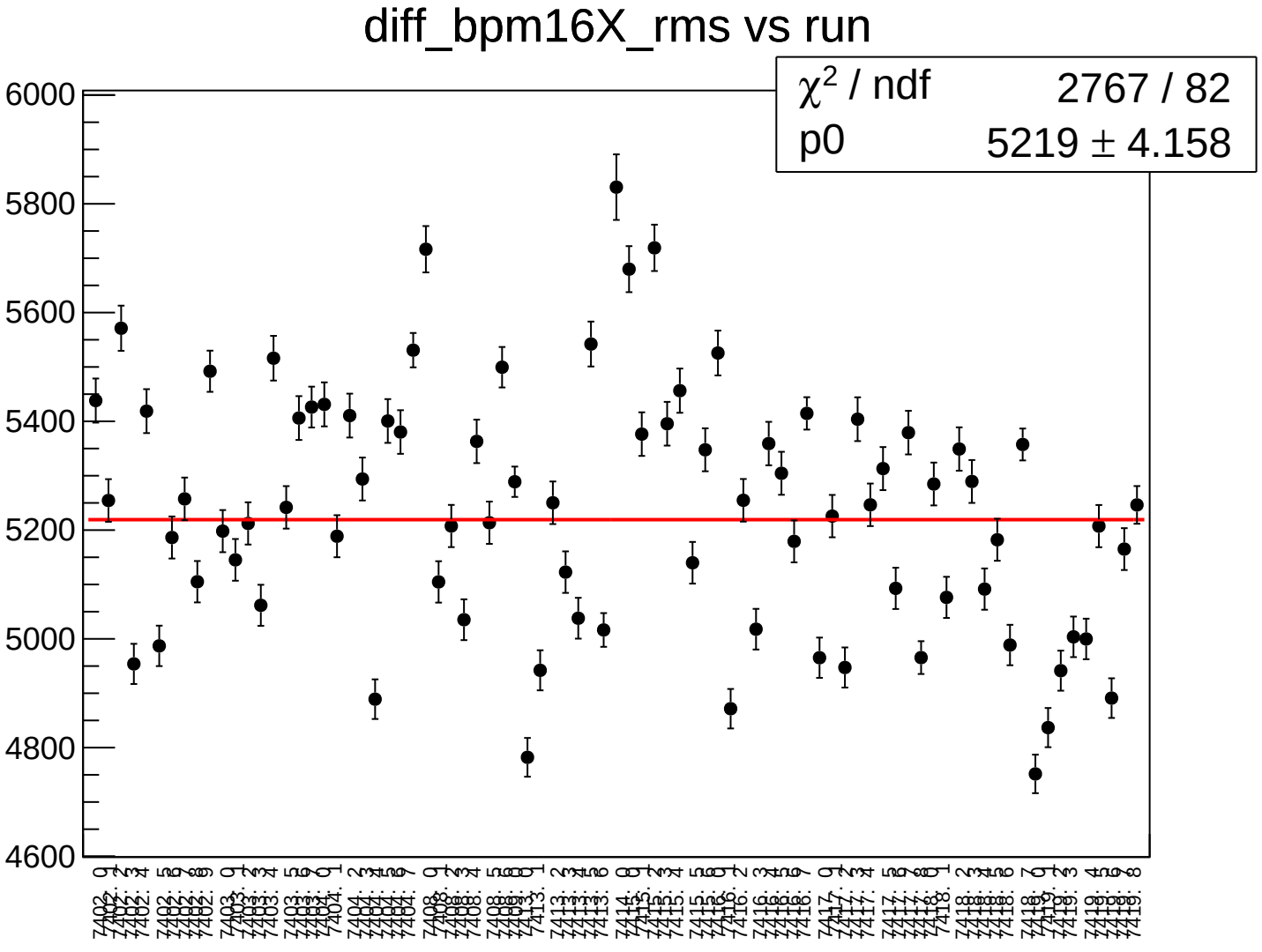

diff_bpm12Y_mean vs run
χ^2 / ndf 79.4 / 82
p0 6.402 ± 5.195
pull
Entries 83
Mean −94.77
Std Dev 0

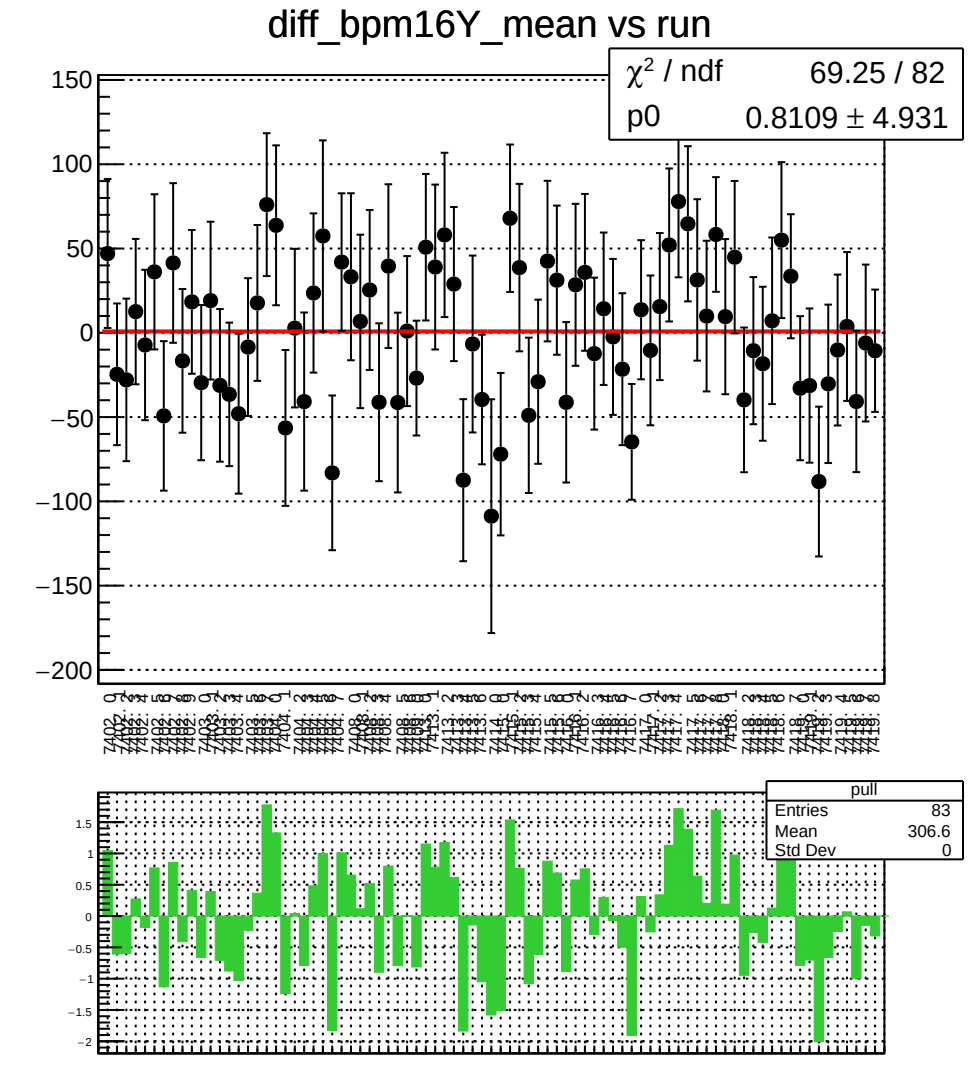

pull1D
Entries 83
Mean −0.01274
Std Dev 0.978

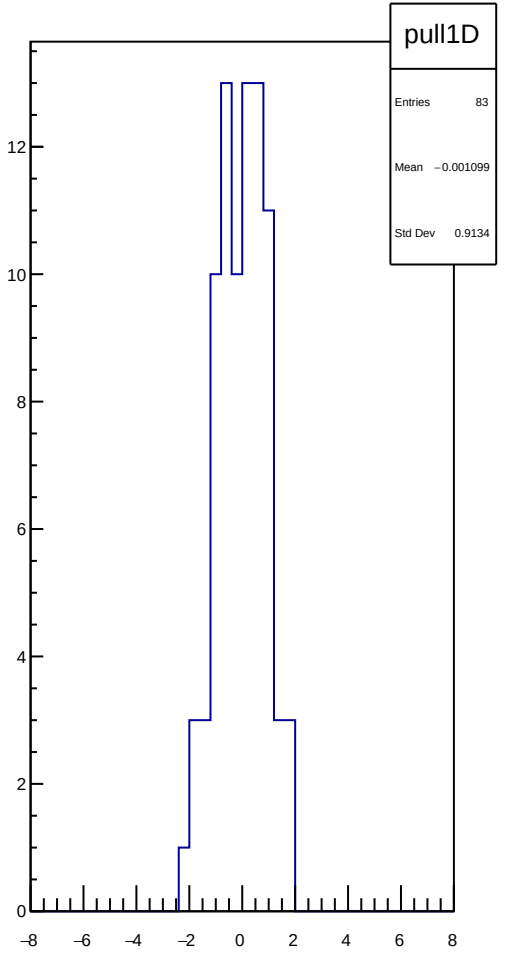

diff_bpm12Y_rms vs run
χ^2 / ndf 2.078e+04 / 82
p0 4585 ± 3.674
5500
5000
4500
4000
3500
3000
2500

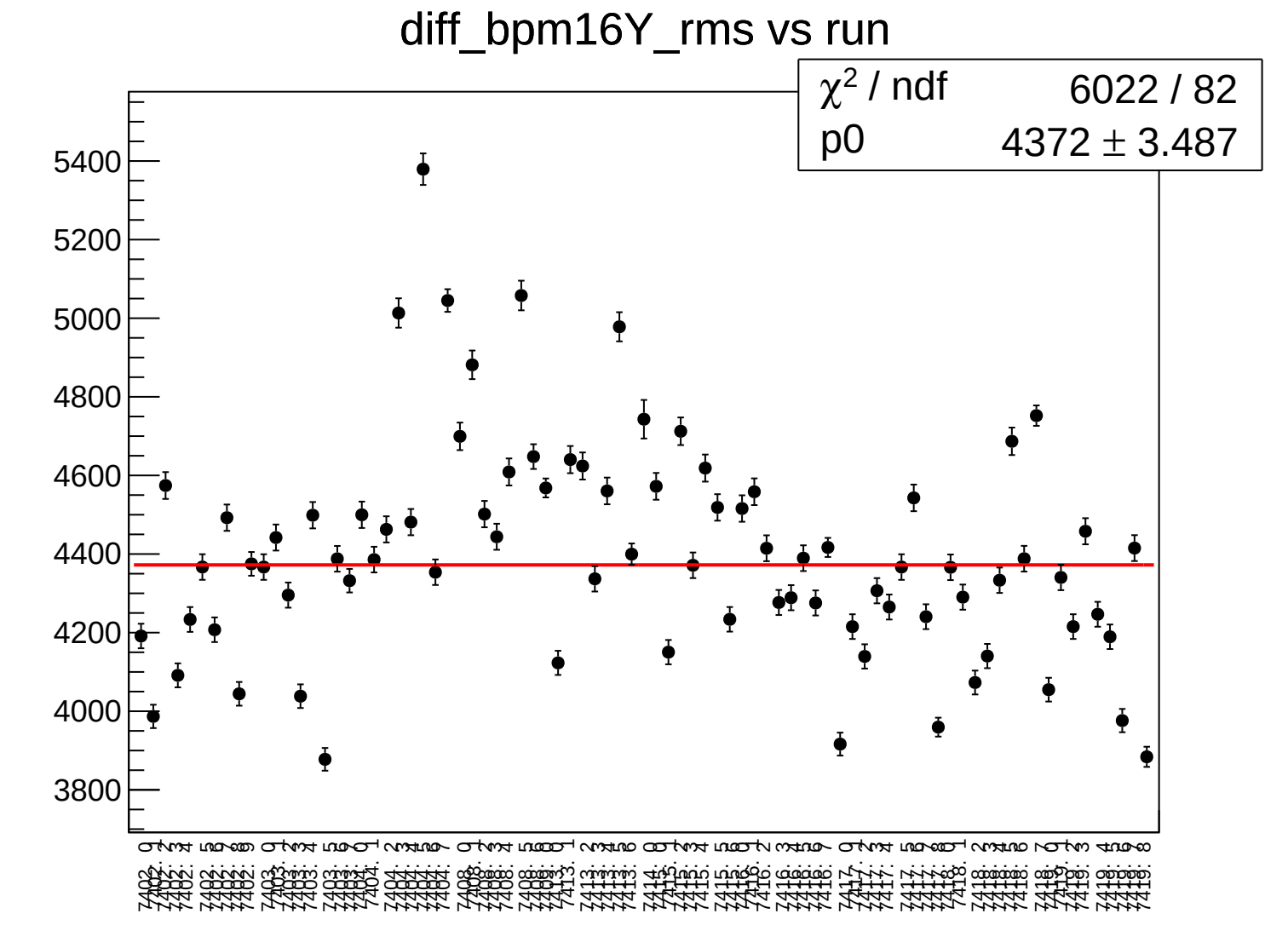

diff_bpm16X_mean vs run
χ² / ndf 72.13 / 82
p0 3.132 ± 5.88
pull
Entries 83
Mean 133.7
Std Dev 0

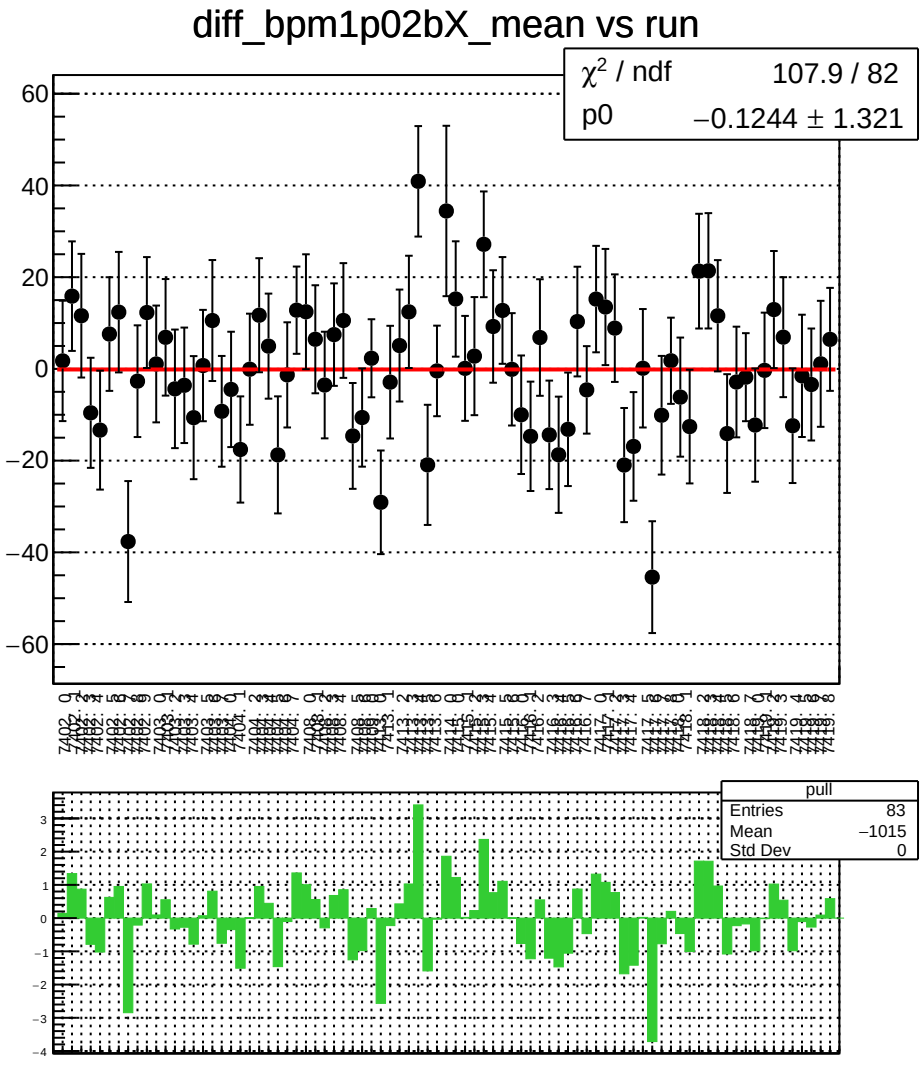

pull1D
Entries 83
Mean 0.01777
Std Dev 0.932

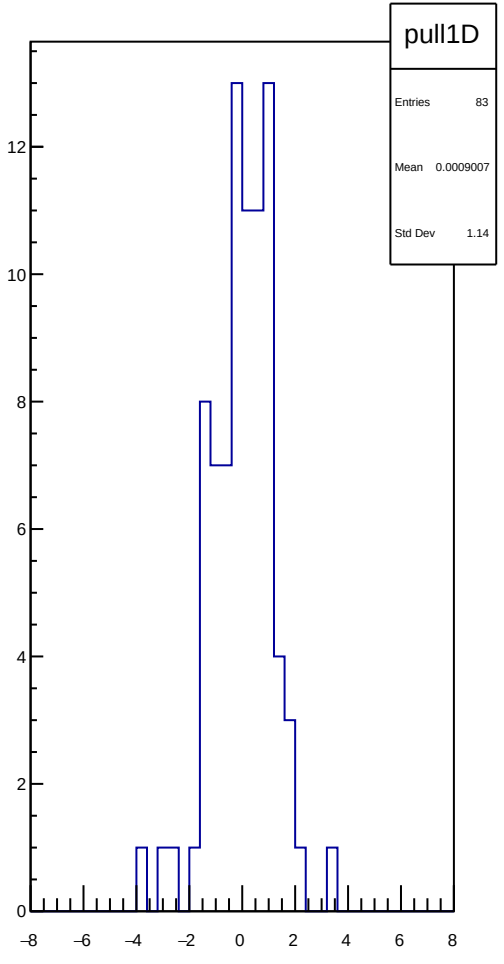

diff_bpm16X_rms vs run
χ² / ndf 2767 / 82
p0 5219 ± 4.158
6000
5800
5600
5400
5200
5000
4800
4600

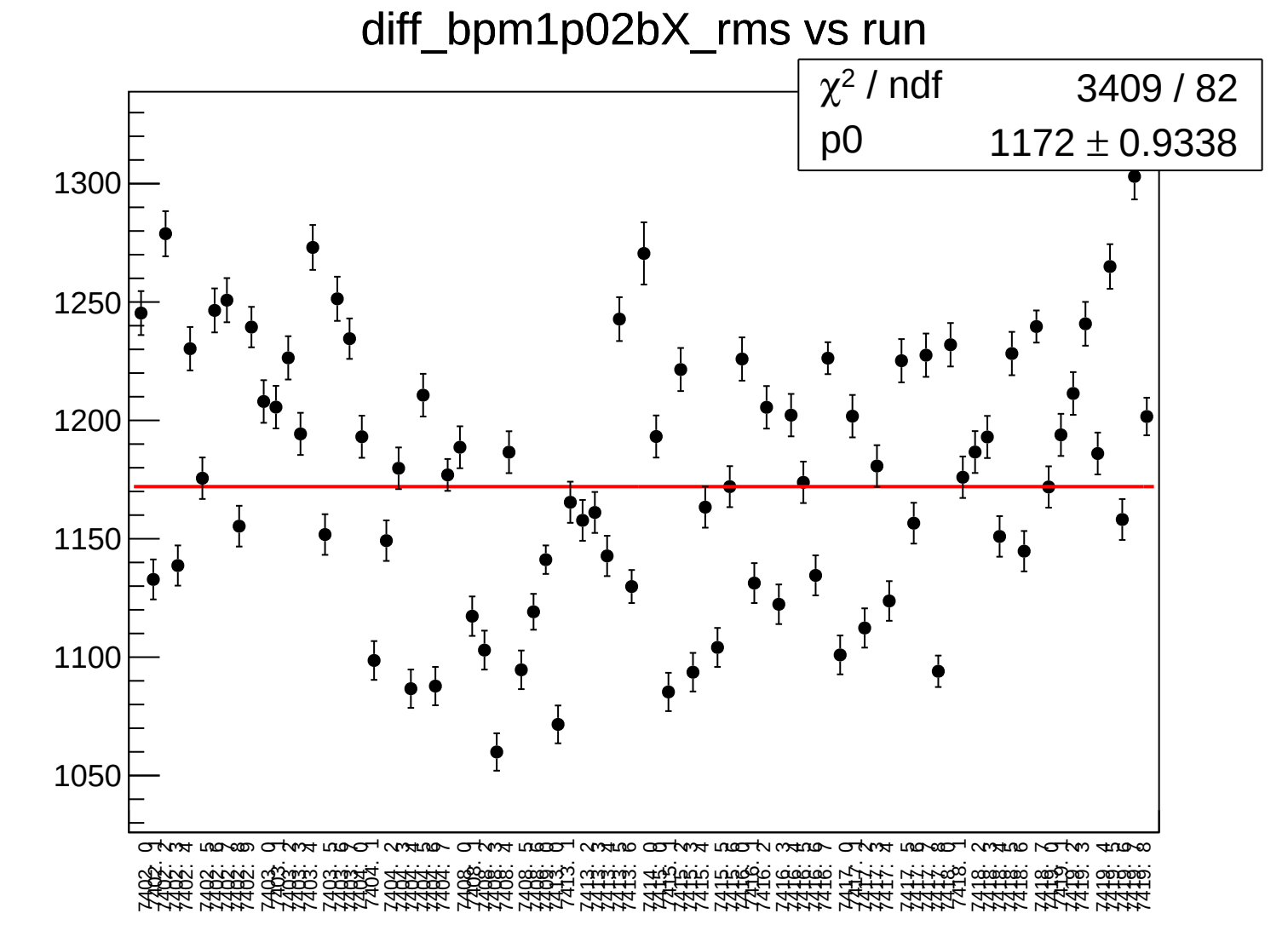

diff_bpm16Y_mean vs run
χ² / ndf 69.25 / 82
p0 0.8109 ± 4.931
pull
Entries 83
Mean 306.6
Std Dev 0

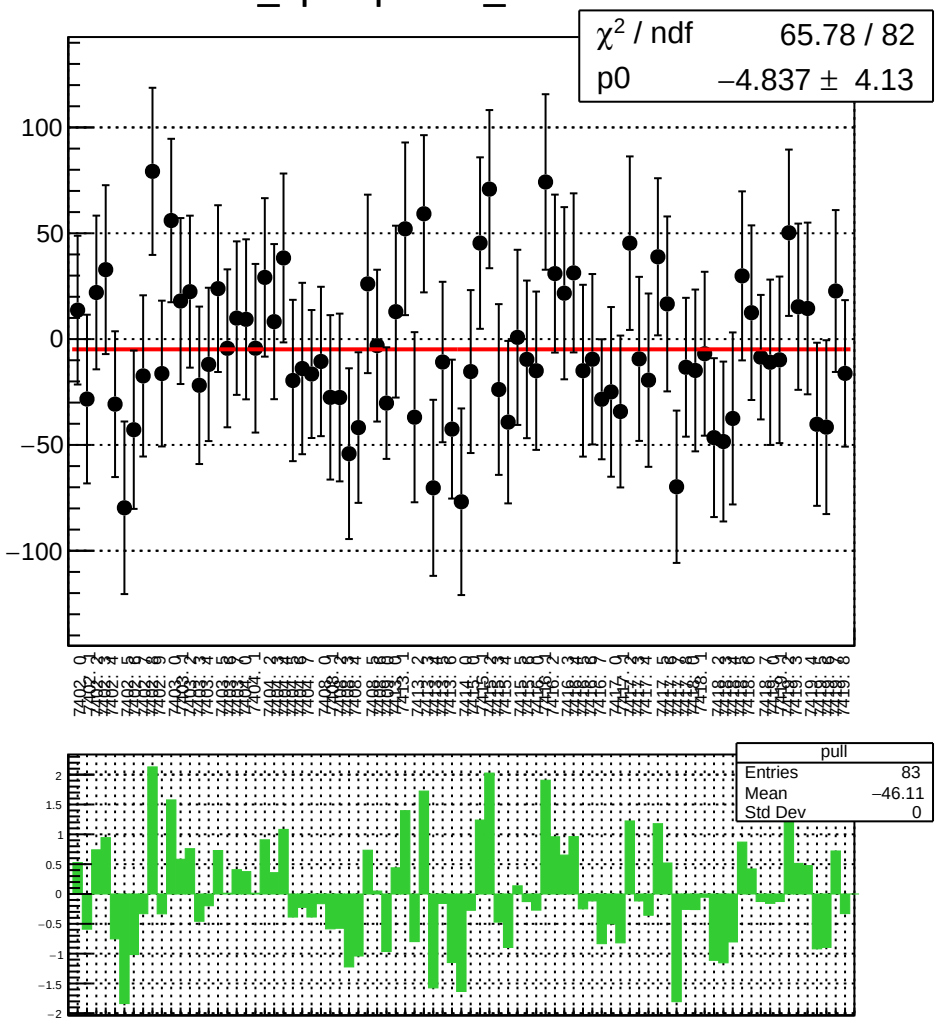

pull1D
Entries 83
Mean −0.001099
Std Dev 0.9134

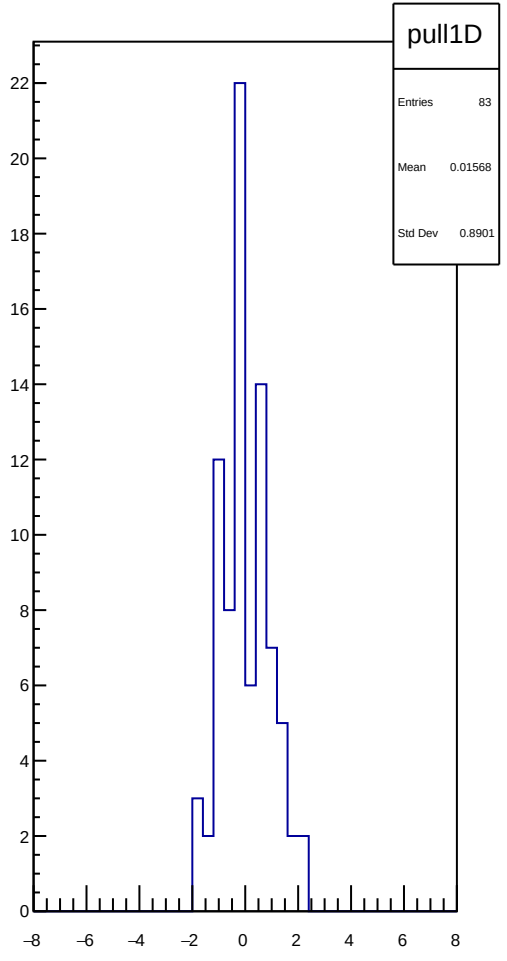

diff_bpm16Y_rms vs run
χ^2 / ndf 6022 / 82
p0 4372 ± 3.487
5400
5200
5000
4800
4600
4400
4200
4000
3800

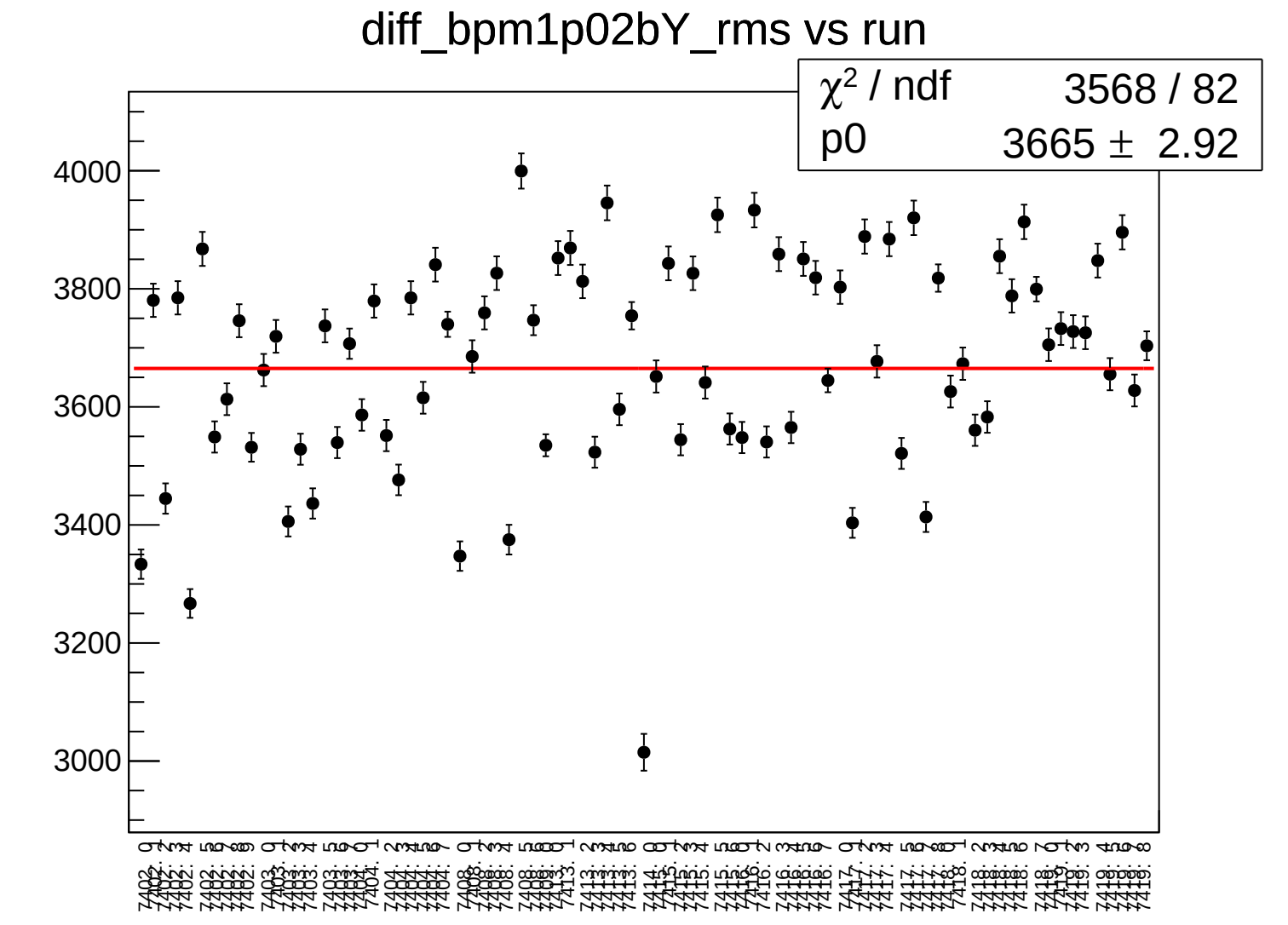

diff_bpm1p02bX_mean vs run
χ² / ndf 107.9 / 82
p0 −0.1244 ± 1.321
pull
Entries 83
Mean −1015
Std Dev 0

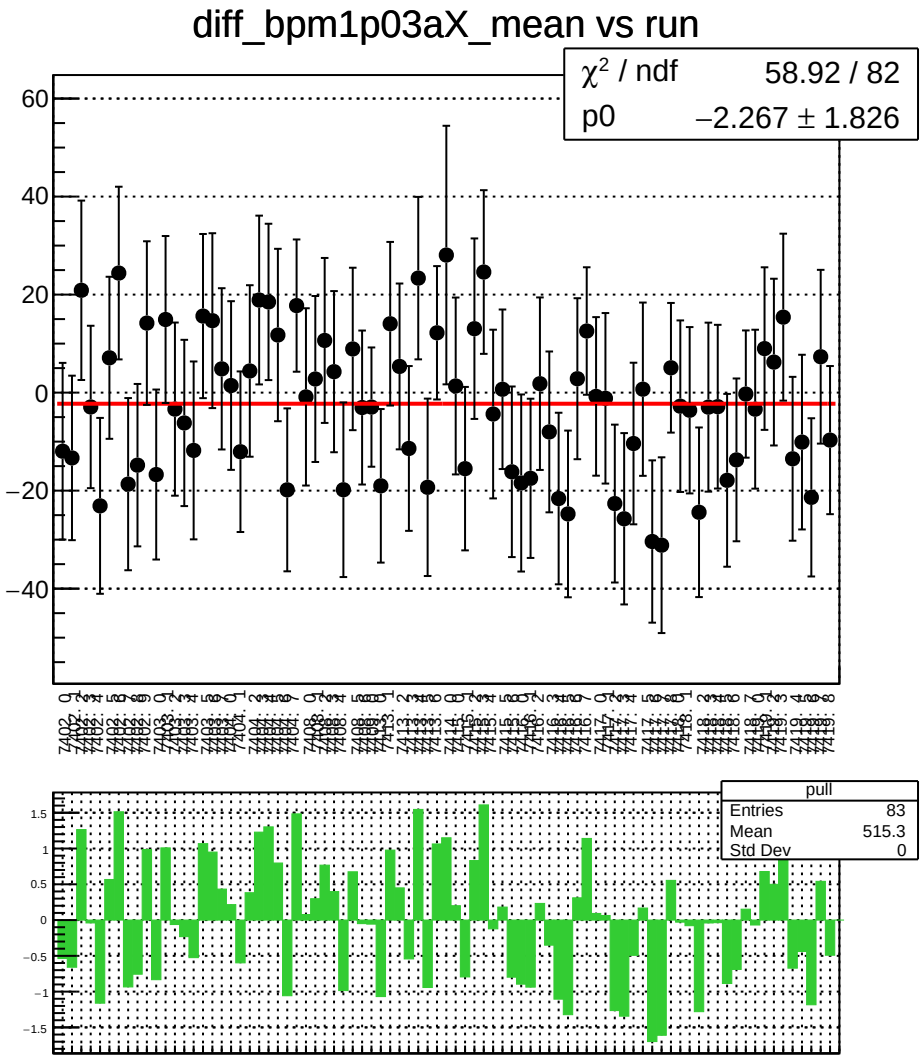

pull1D
Entries 83
Mean 0.0009007
Std Dev 1.14

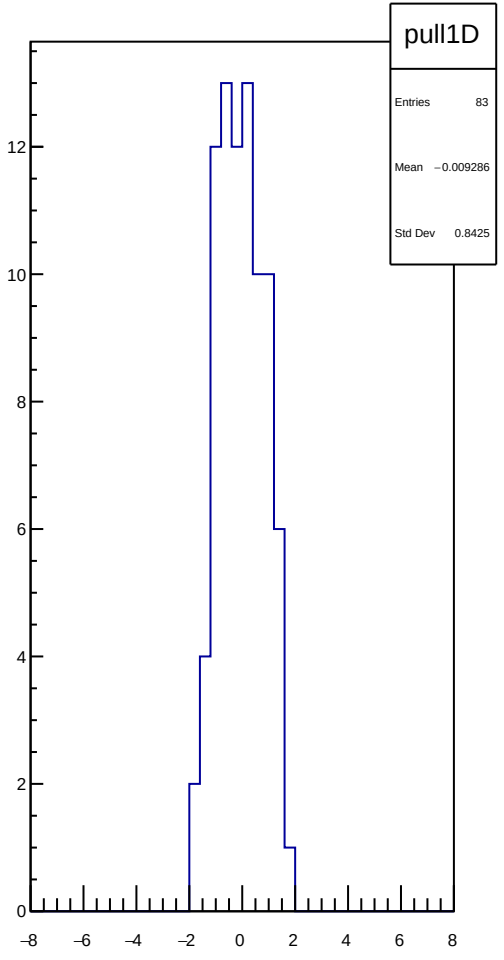

diff_bpm1p02bX_rms vs run
χ² / ndf 3409 / 82
p0 1172 ± 0.9338
1300
1250
1200
1150
1100
1050

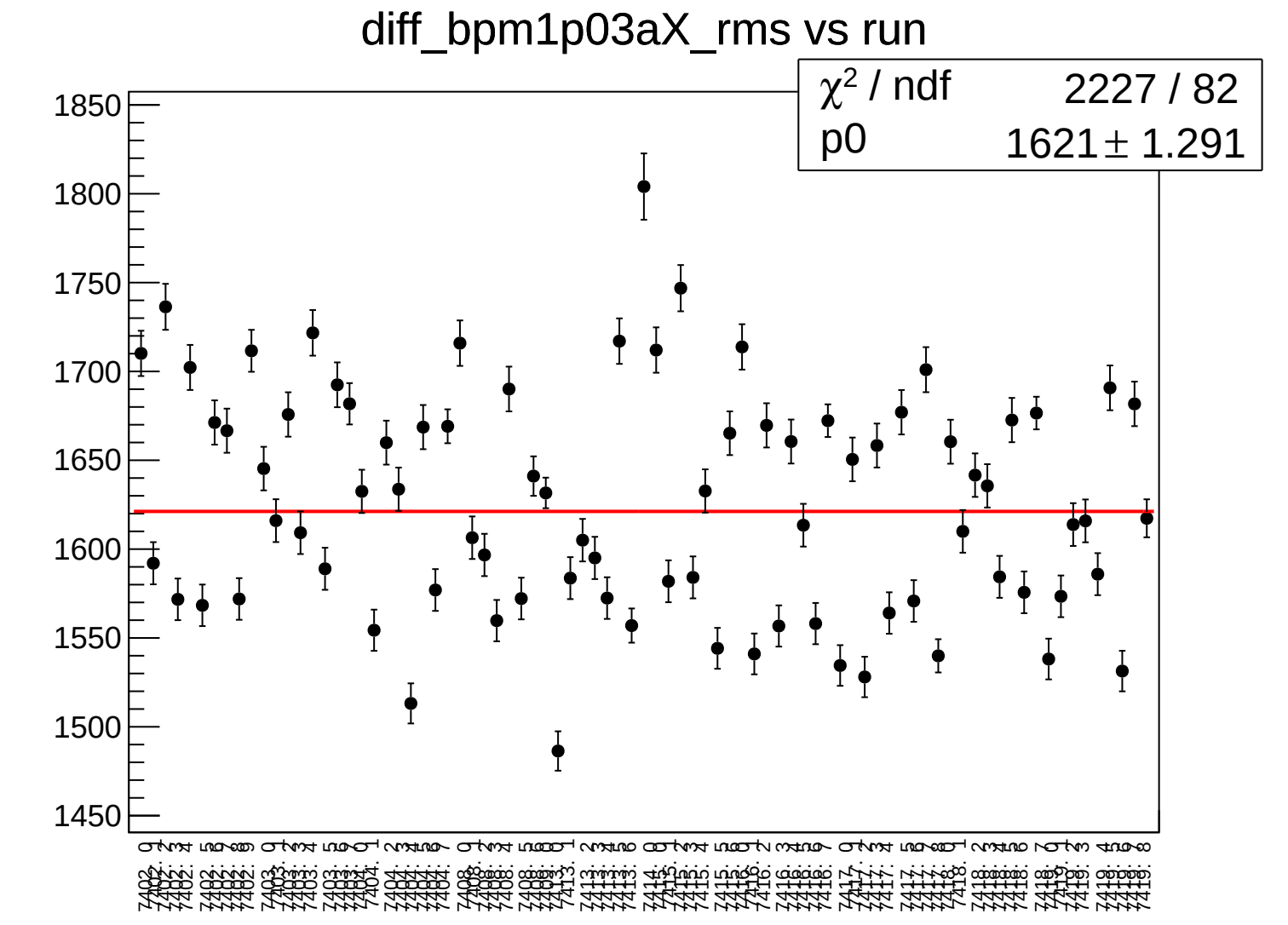

diff_bpm1p02bY_mean vs run
χ² / ndf 65.78 / 82
p0 −4.837 ± 4.13
100
50
0
−50
−100
pull
Entries 83
Mean −46.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

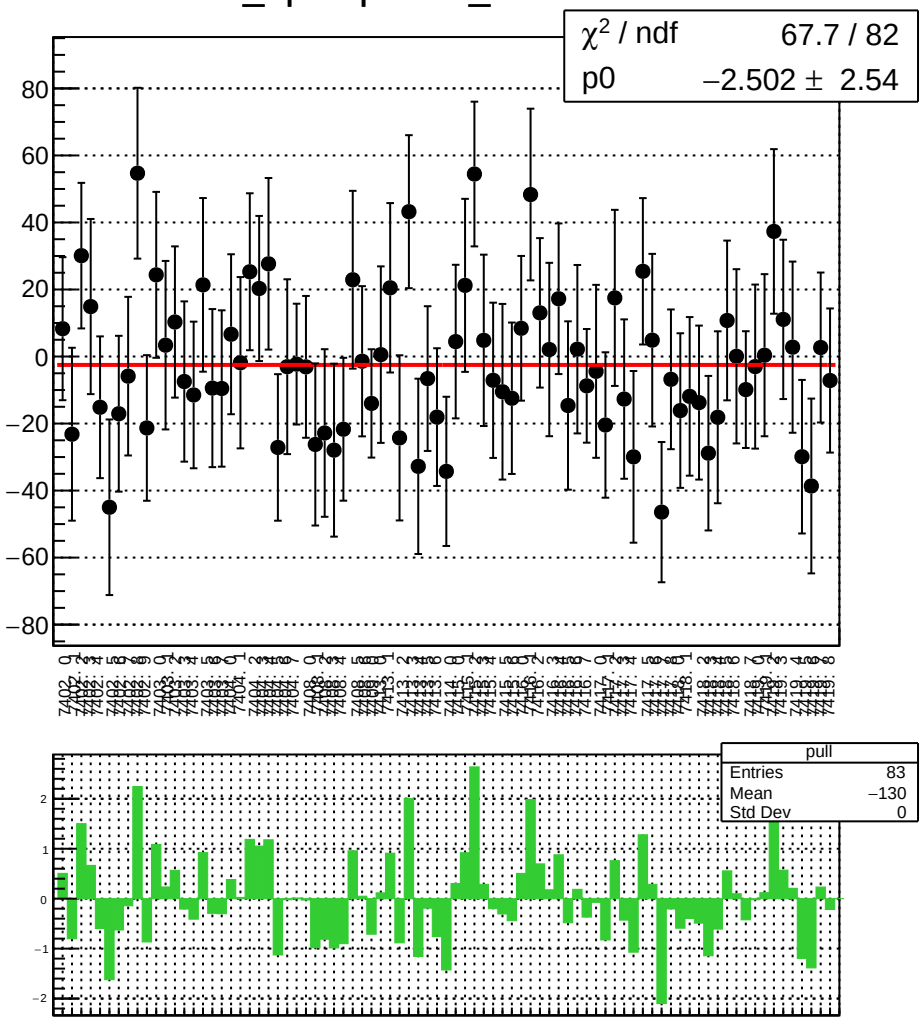

pull1D
Entries 83
Mean 0.01568
Std Dev 0.8901
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

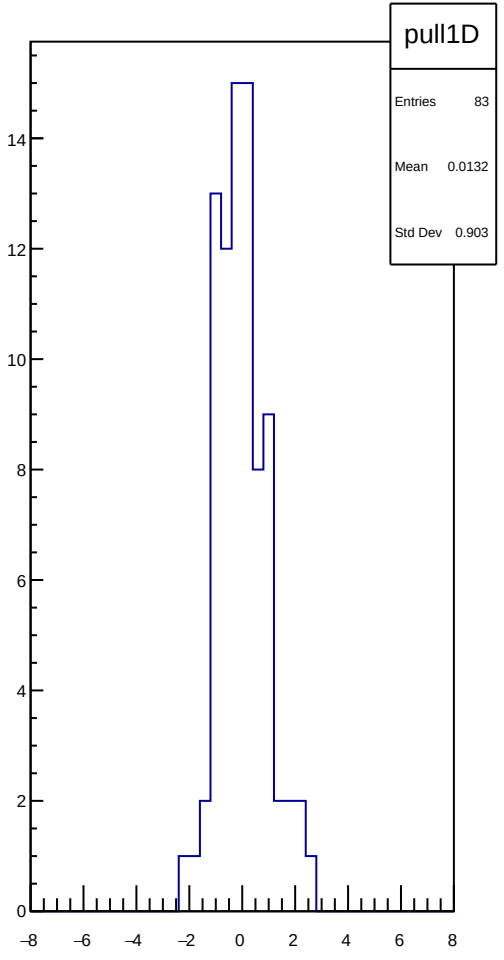

diff_bpm1p02bY_rms vs run
χ² / ndf 3568 / 82
p0 3665 ± 2.92
4000
3800
3600
3400
3200
3000

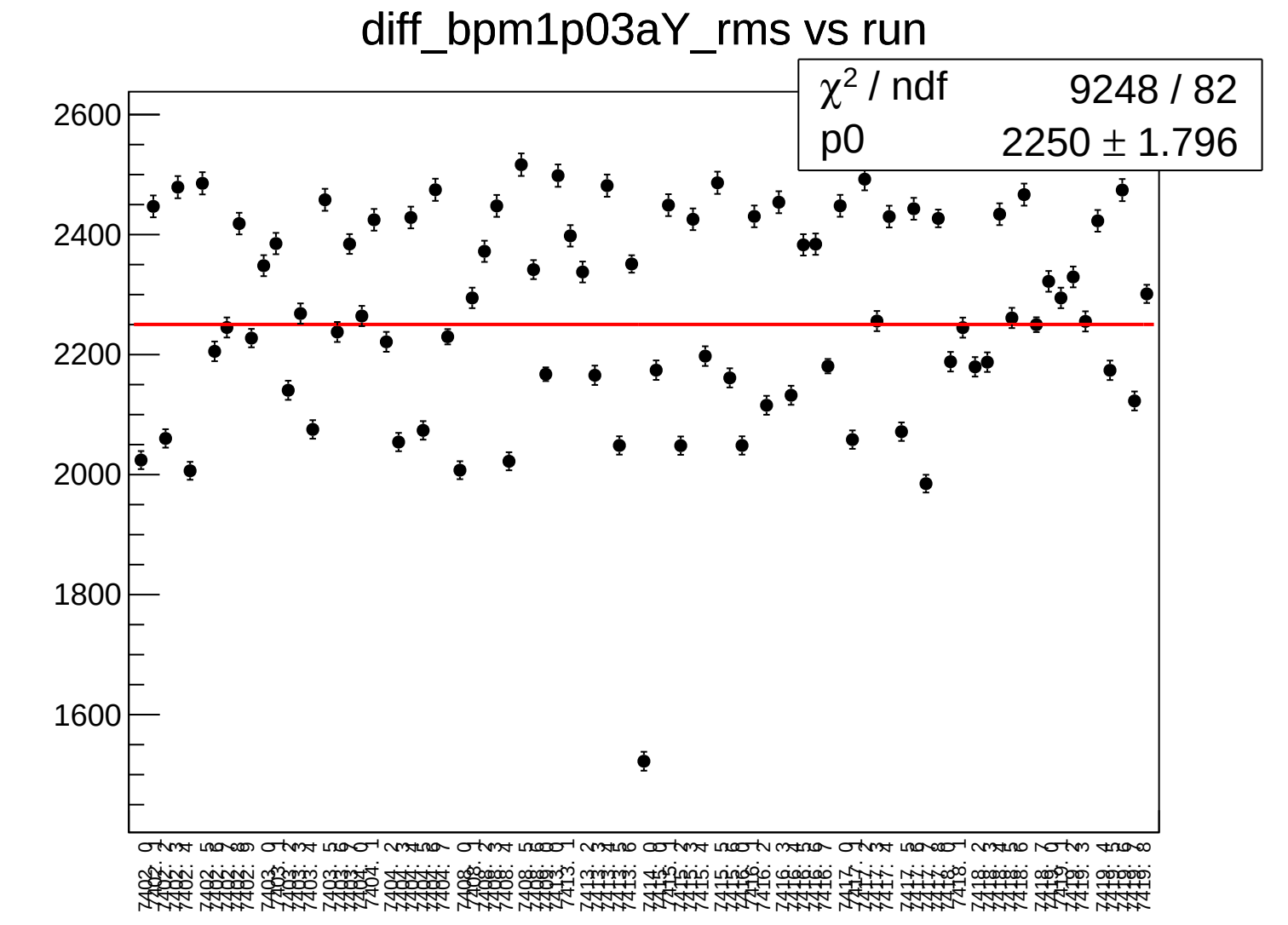

diff_bpm1p03aX_mean vs run
χ² / ndf 58.92 / 82
p0 −2.267 ± 1.826
pull
Entries 83
Mean 515.3
Std Dev 0

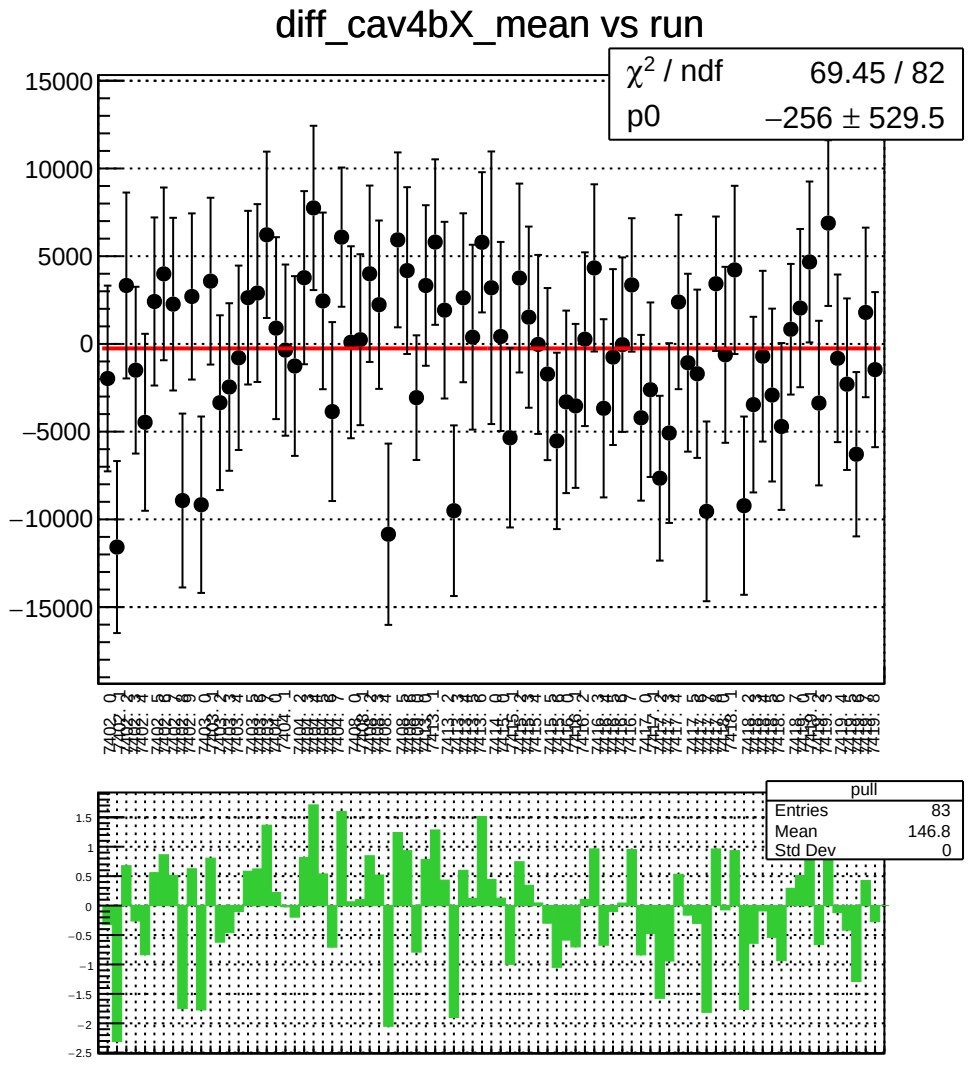

pull1D
Entries 83
Mean −0.009286
Std Dev 0.8425

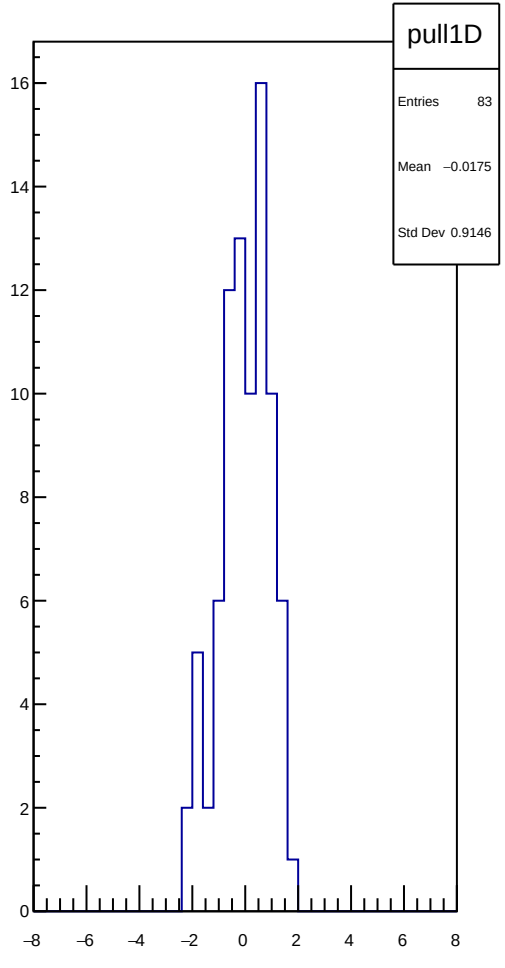

diff_bpm1p03aX_rms vs run
χ² / ndf 2227 / 82
p0 1621 ± 1.291
1850
1800
1750
1700
1650
1600
1550
1500
1450

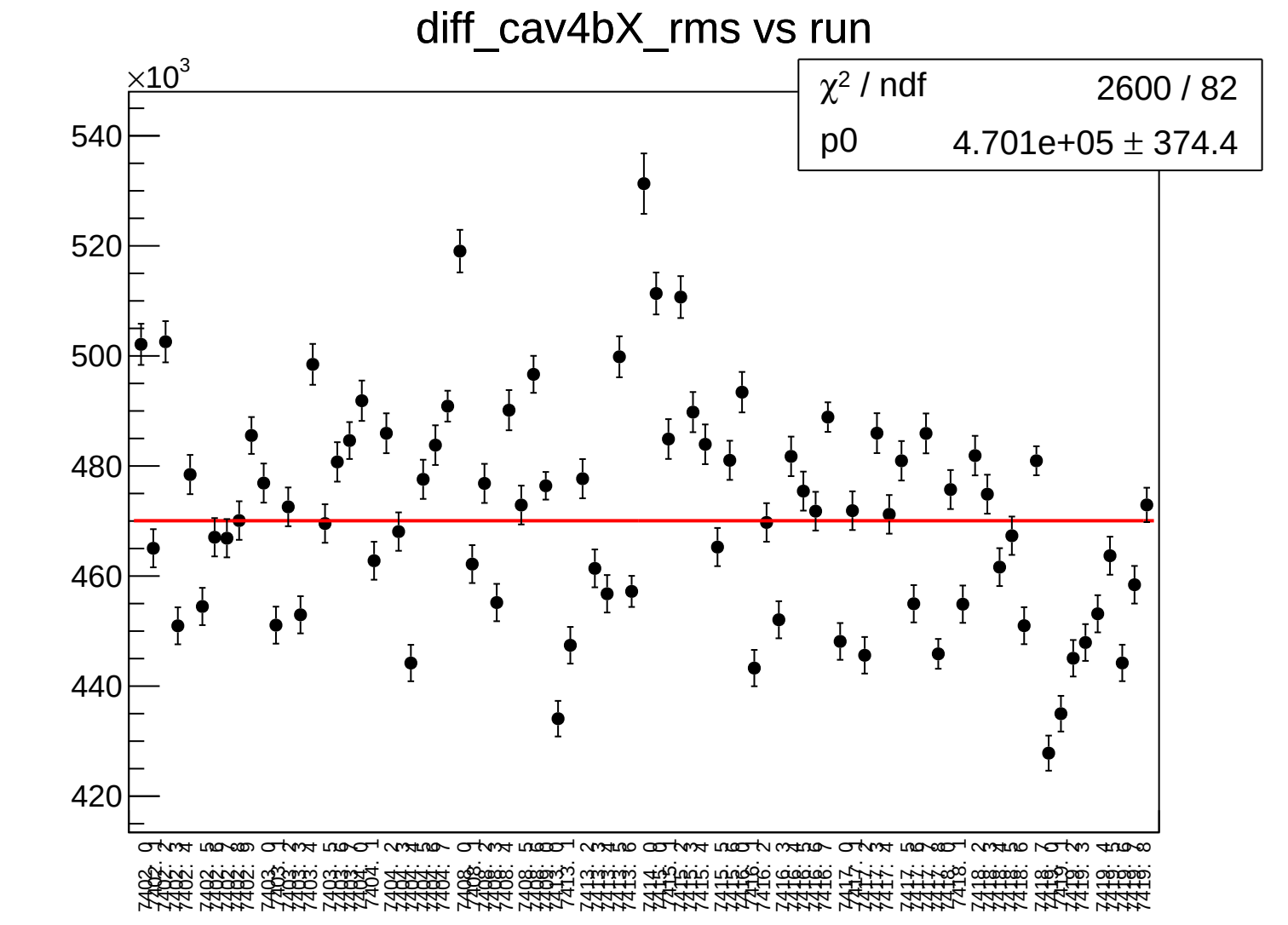

diff_bpm1p03aY_mean vs run
χ^2 / ndf 67.7 / 82
p0 −2.502 ± 2.54
pull
Entries 83
Mean −130
Std Dev 0

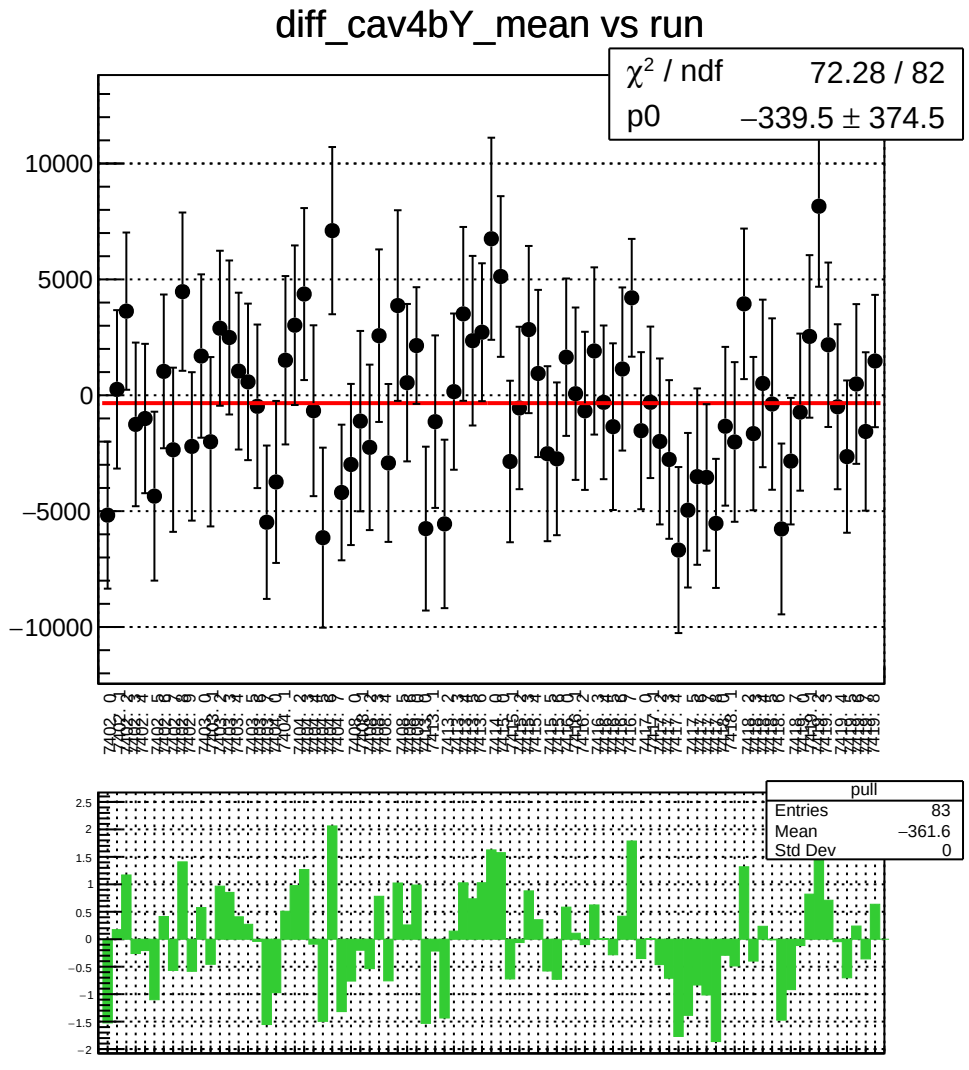

pull1D
Entries 83
Mean 0.0132
Std Dev 0.903

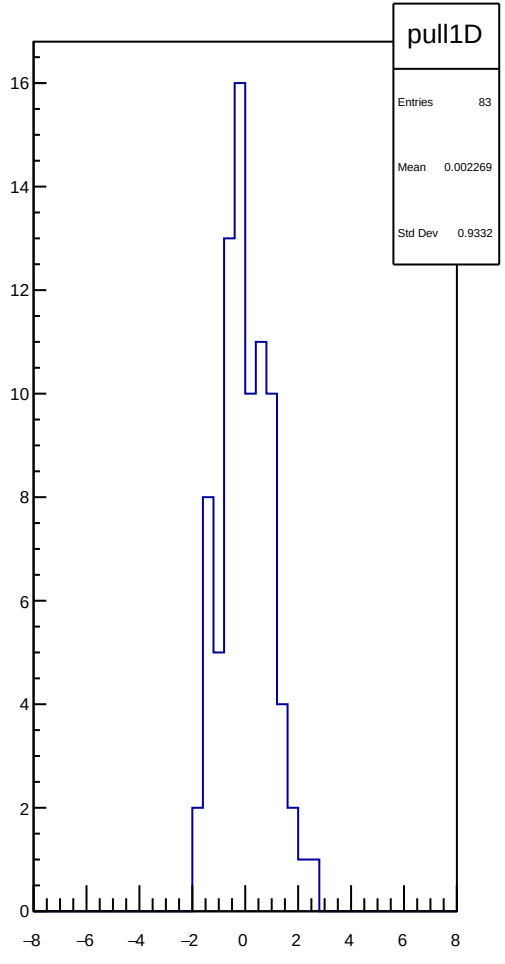

diff_bpm1p03aY_rms vs run
χ² / ndf 9248 / 82
p0 2250 ± 1.796
2600
2400
2200
2000
1800
1600

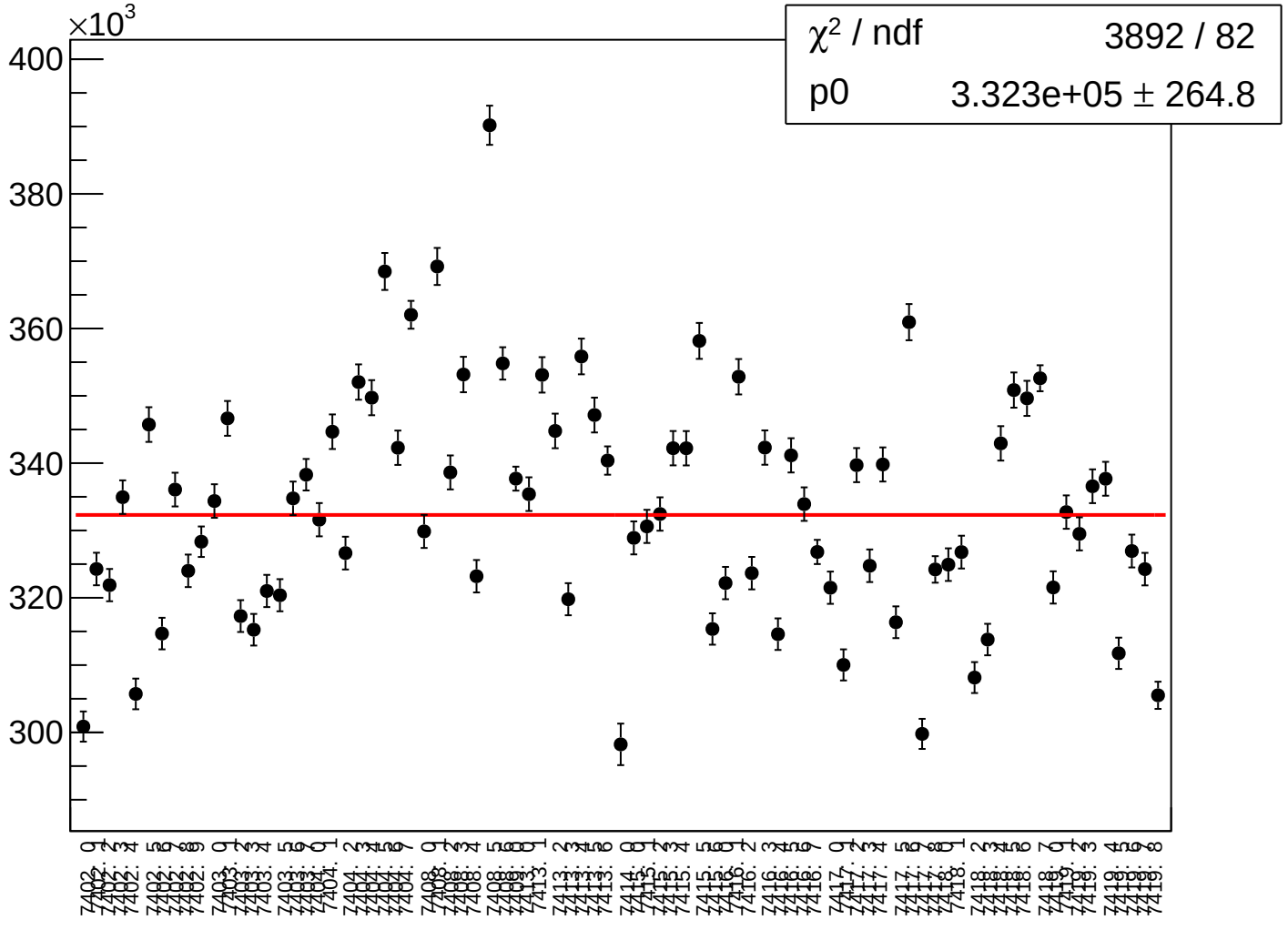

diff_cav4bX_mean vs run
χ² / ndf 69.45 / 82
p0 −256 ± 529.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 146.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

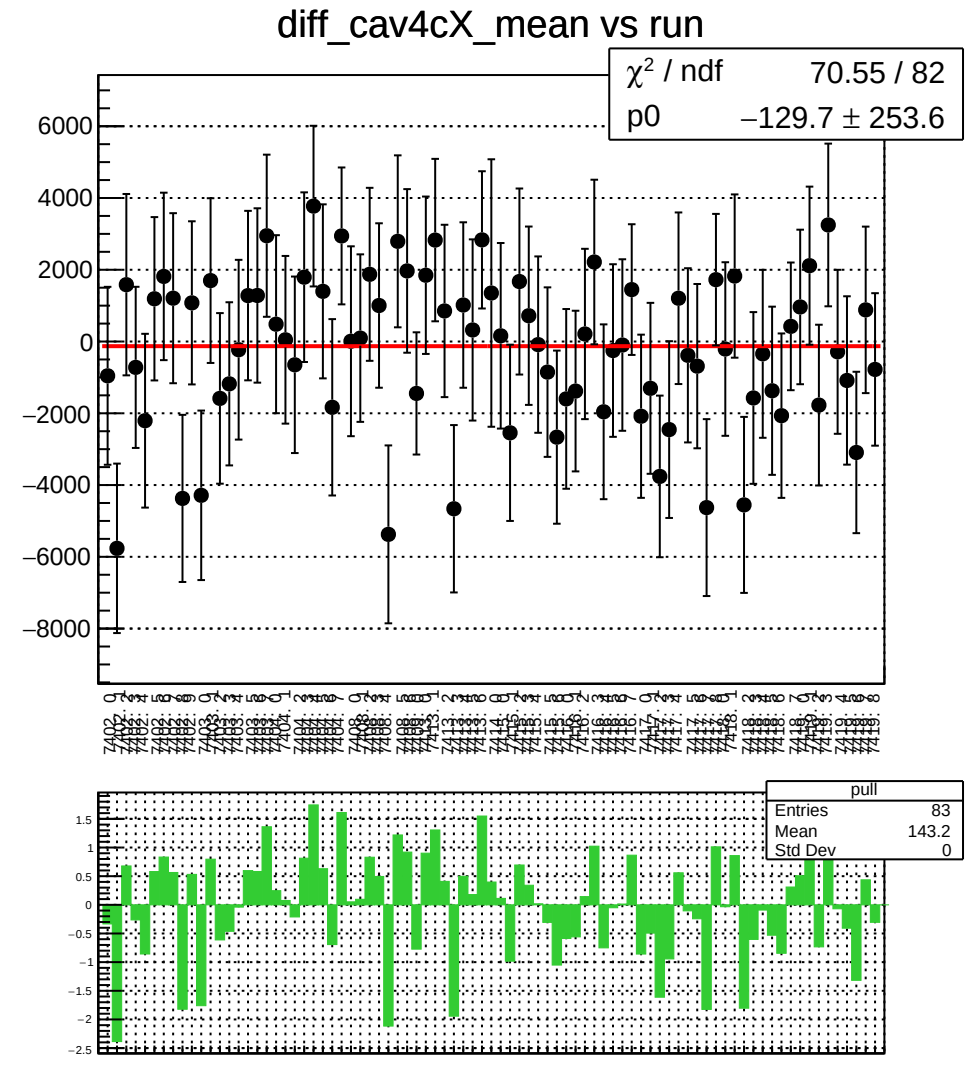

pull1D
Entries 83
Mean −0.0175
Std Dev 0.9146
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

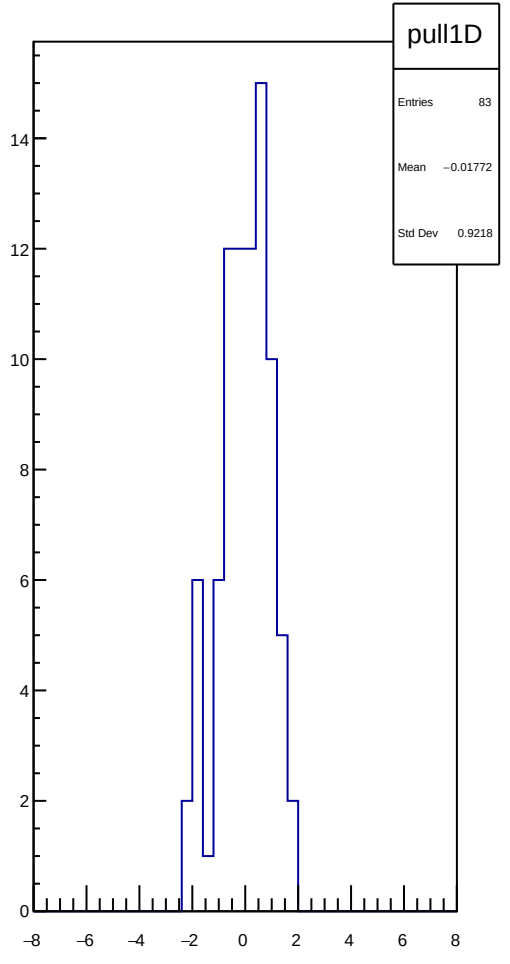

diff_cav4bX_rms vs run
×10^3
540
520
500
480
460
440
420
χ² / ndf 2600 / 82
p0 4.701e+05 ± 374.4

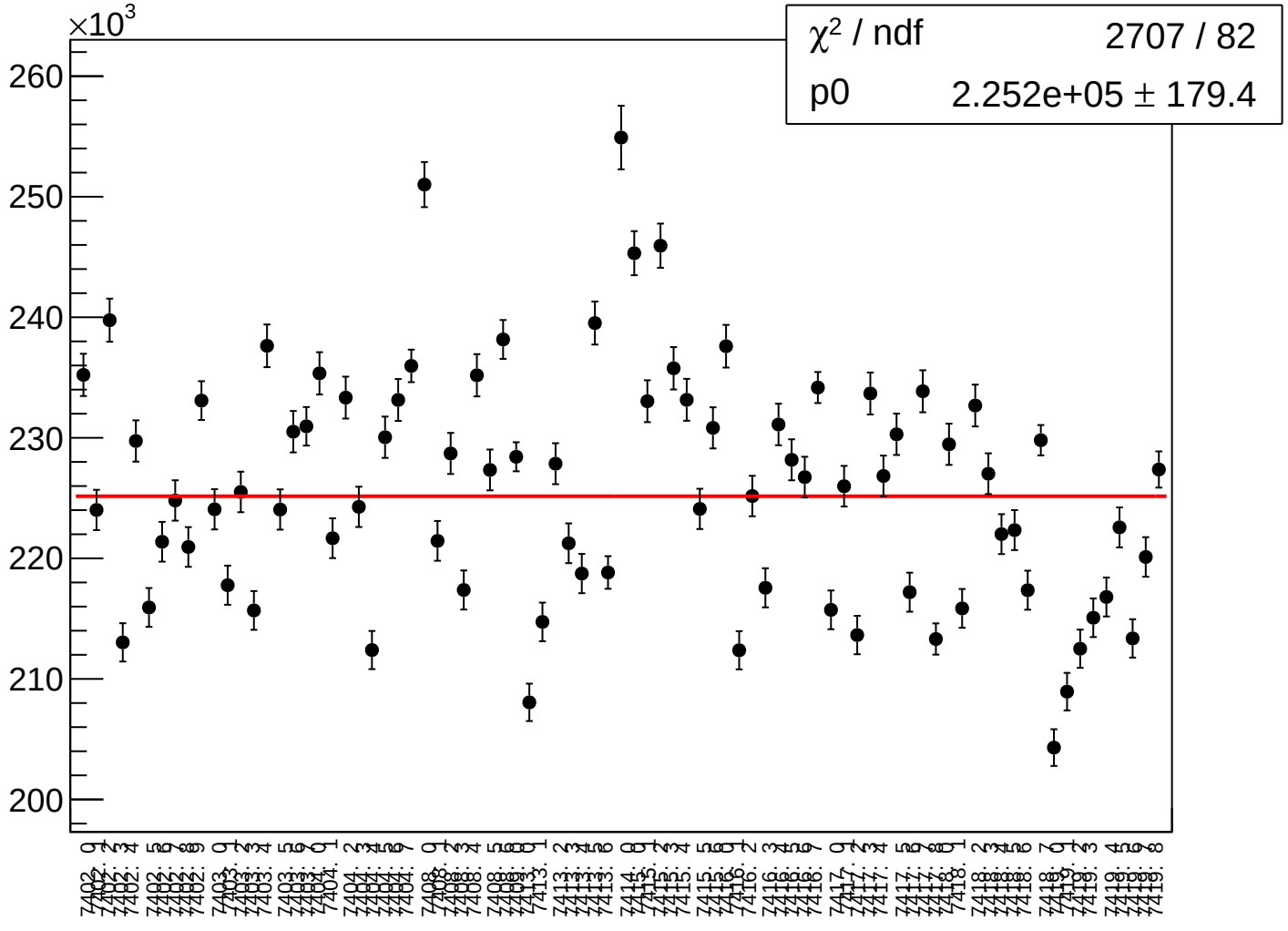

diff_cav4bY_mean vs run
χ² / ndf 72.28 / 82
p0 −339.5 ± 374.5
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −361.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

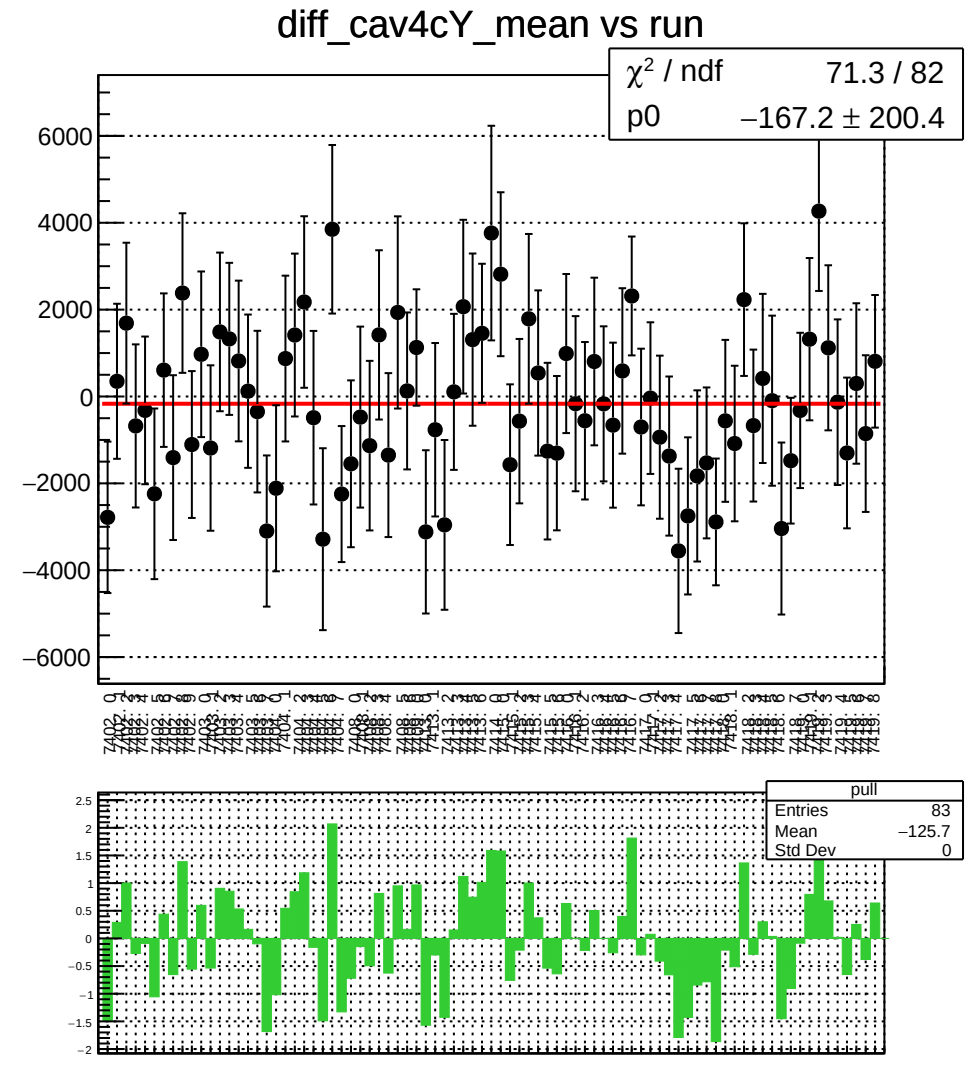

pull1D
Entries 83
Mean 0.002269
Std Dev 0.9332
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

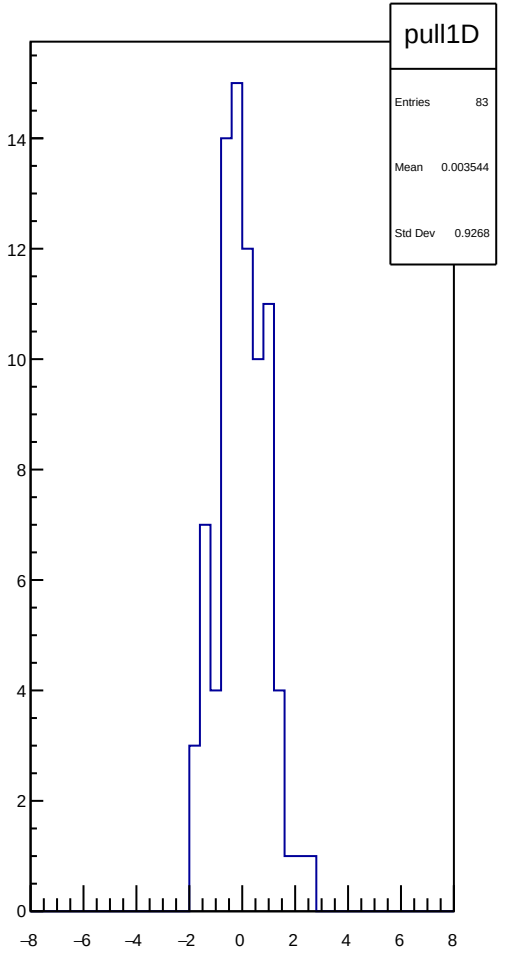

diff_cav4bY_rms vs run
×10^3
400
380
360
340
320
300
χ² / ndf 3892 / 82
p0 3.323e+05 ± 264.8

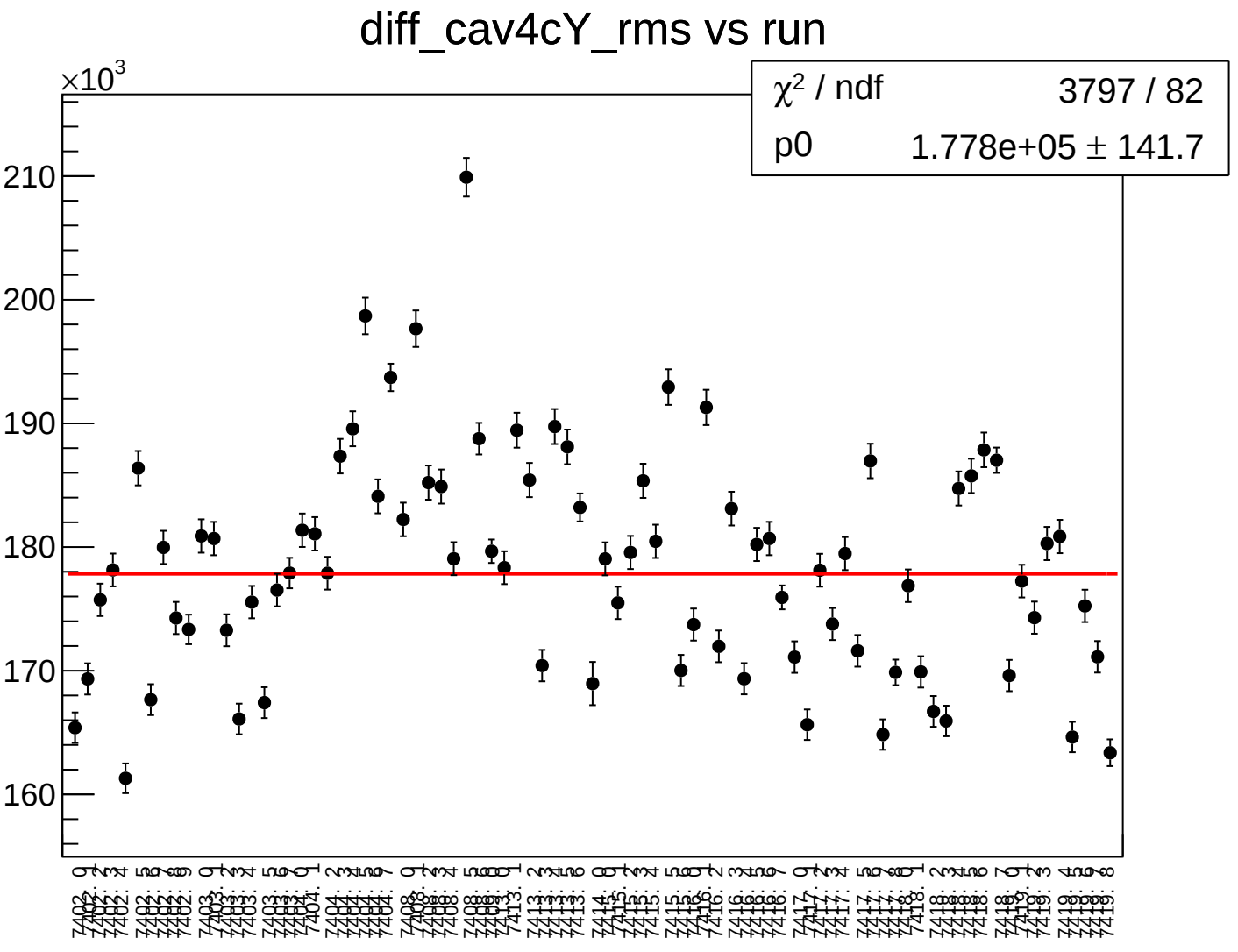

diff_cav4cX_mean vs run
χ² / ndf 70.55 / 82
p0 −129.7 ± 253.6
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 143.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

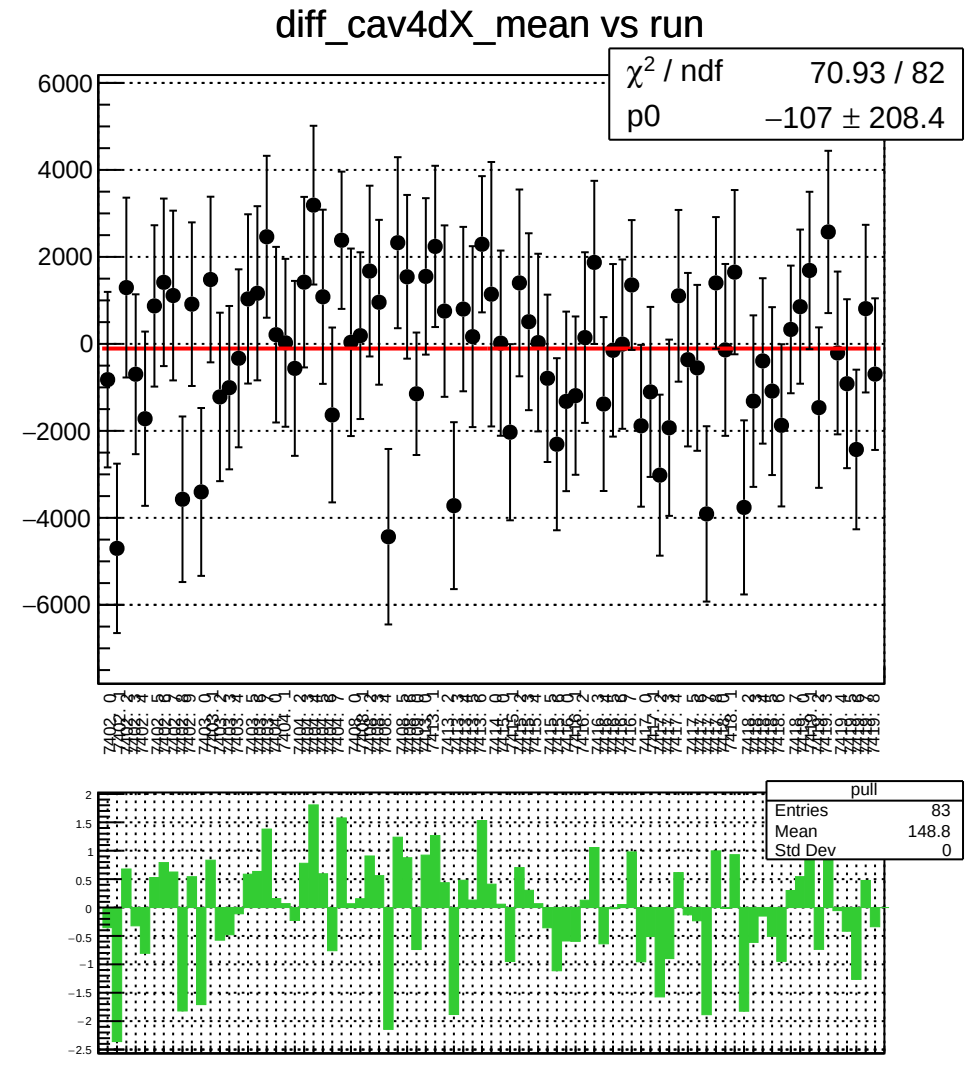

pull1D
Entries 83
Mean −0.01772
Std Dev 0.9218
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

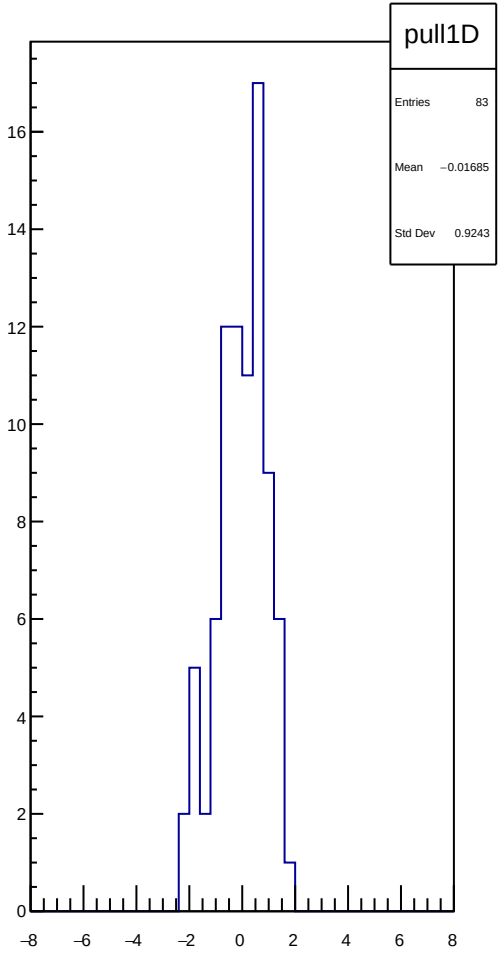

diff_cav4cX_rms vs run
×10^3
260
250
240
230
220
210
200
χ² / ndf 2707 / 82
p0 2.252e+05 ± 179.4

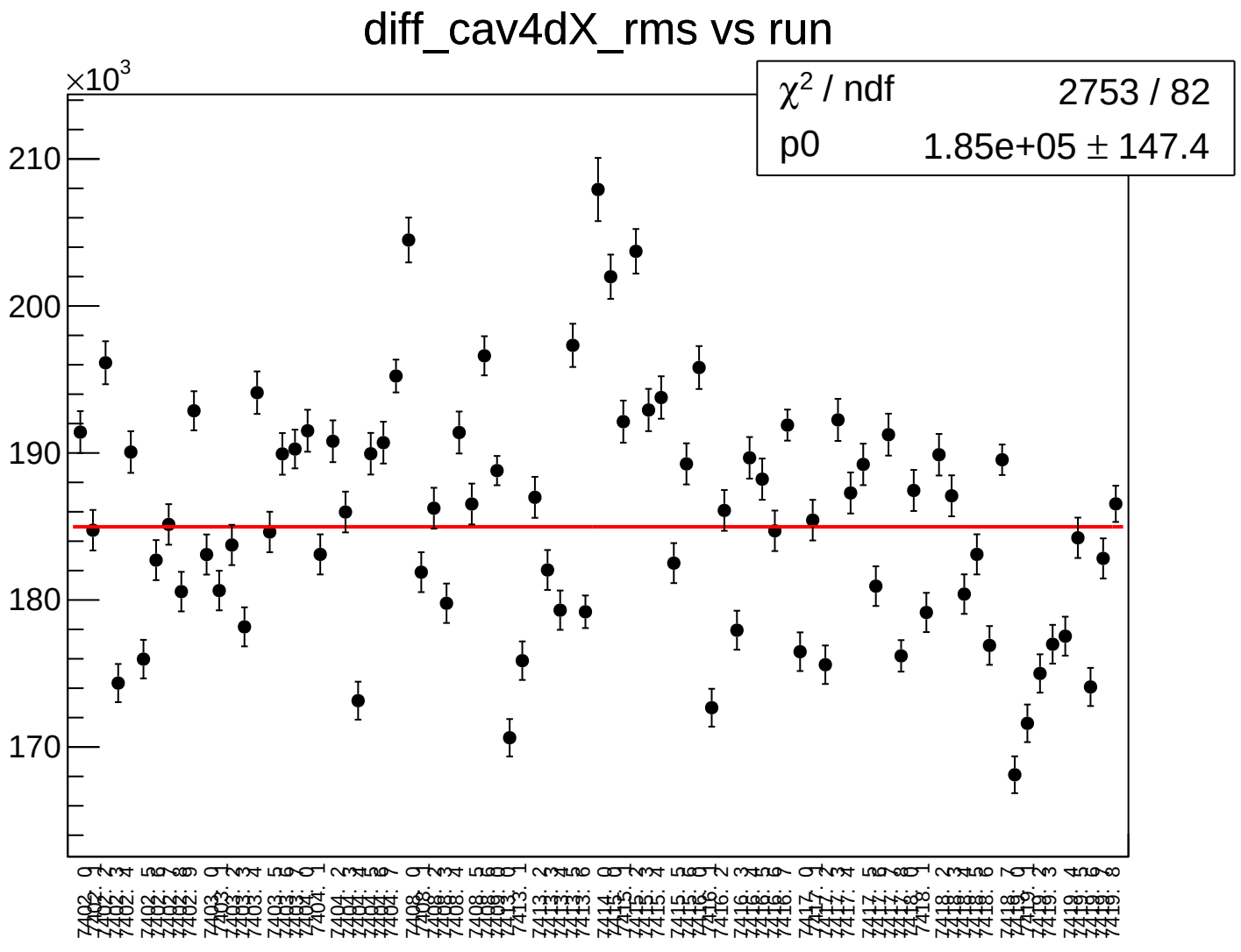

diff_cav4cY_mean vs run
χ² / ndf 71.3 / 82
p0 −167.2 ± 200.4
pull
Entries 83
Mean −125.7
Std Dev 0

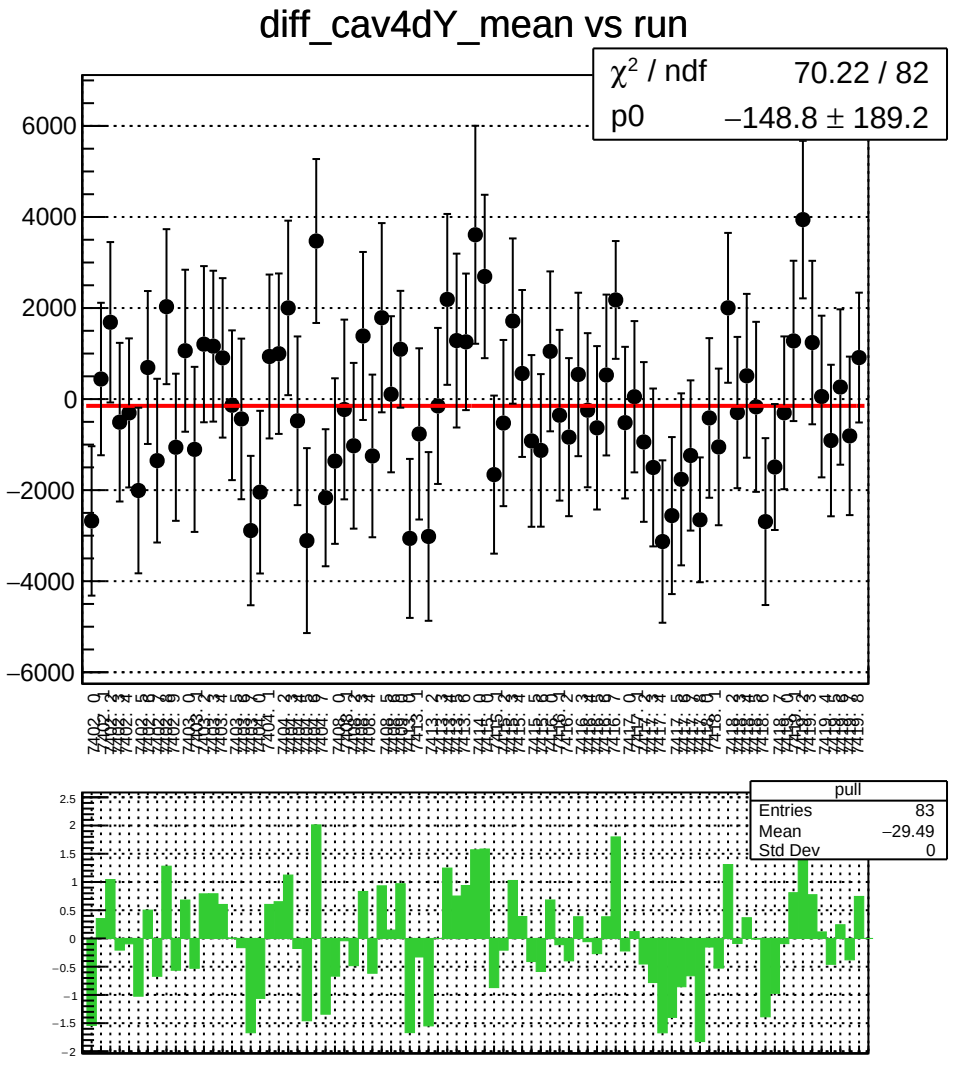

pull1D
Entries 83
Mean 0.003544
Std Dev 0.9268

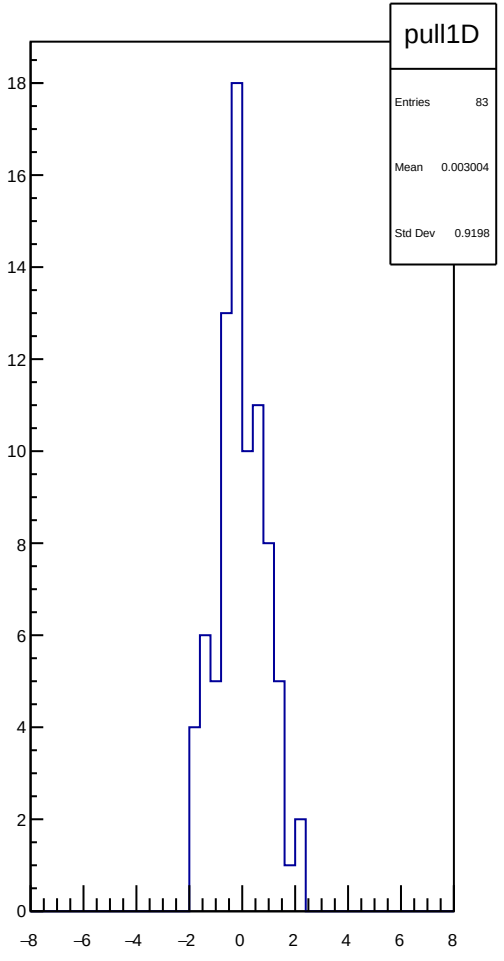

diff_cav4cY_rms vs run
×10^3
χ² / ndf 3797 / 82
p0 1.778e+05 ± 141.7
210
200
190
180
170
160

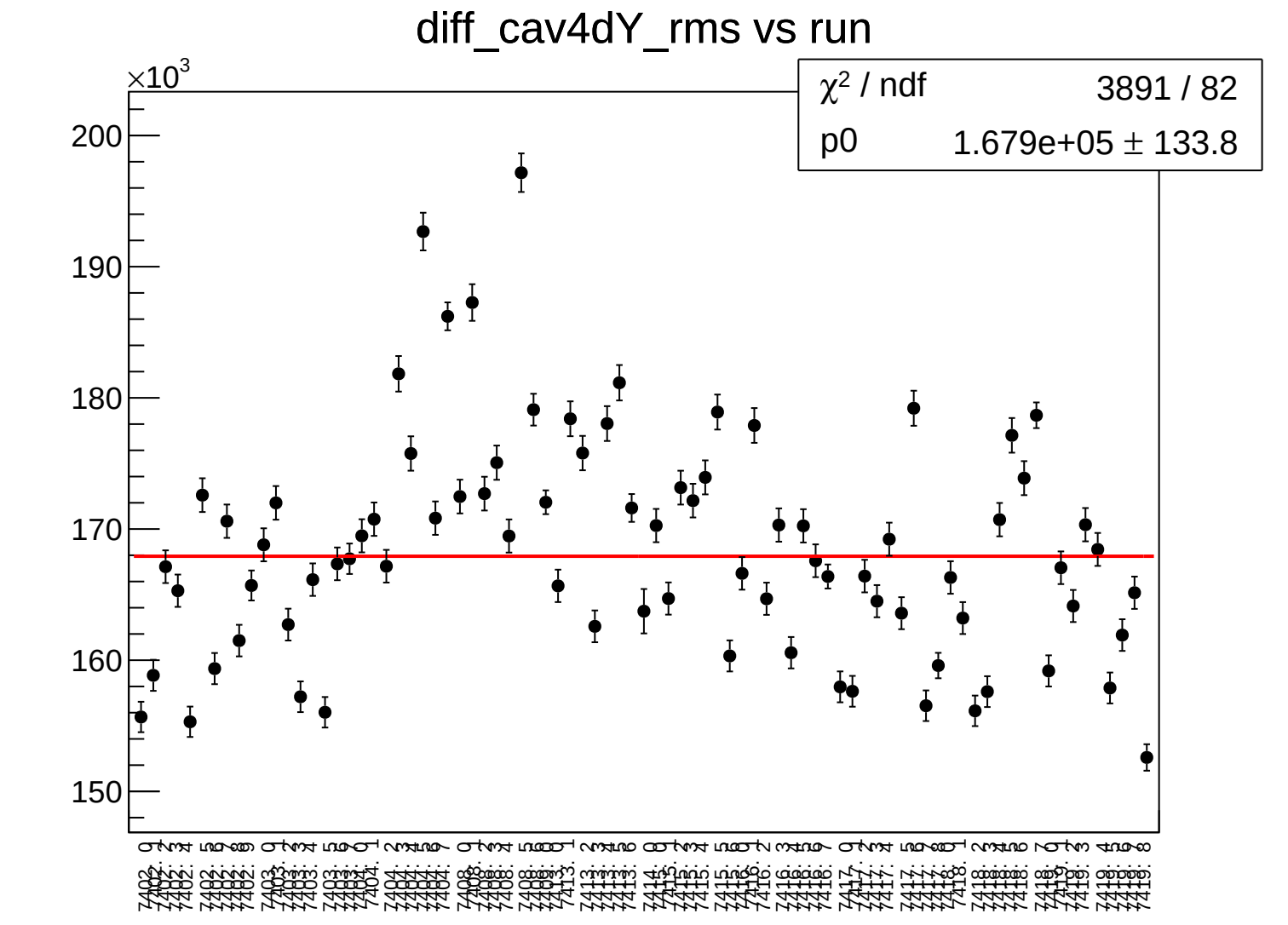

diff_cav4dX_mean vs run
χ² / ndf 70.93 / 82
p0 −107 ± 208.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 148.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

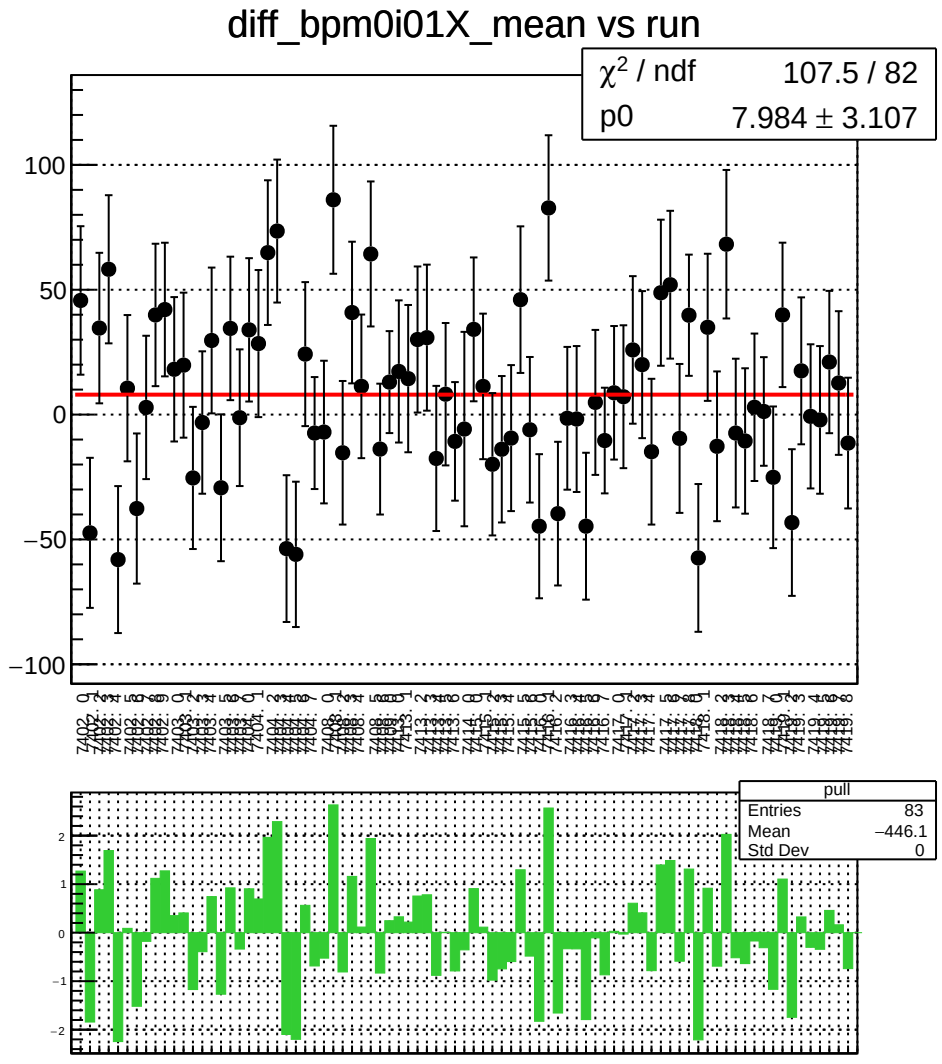

pull1D
Entries 83
Mean −0.01685
Std Dev 0.9243
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

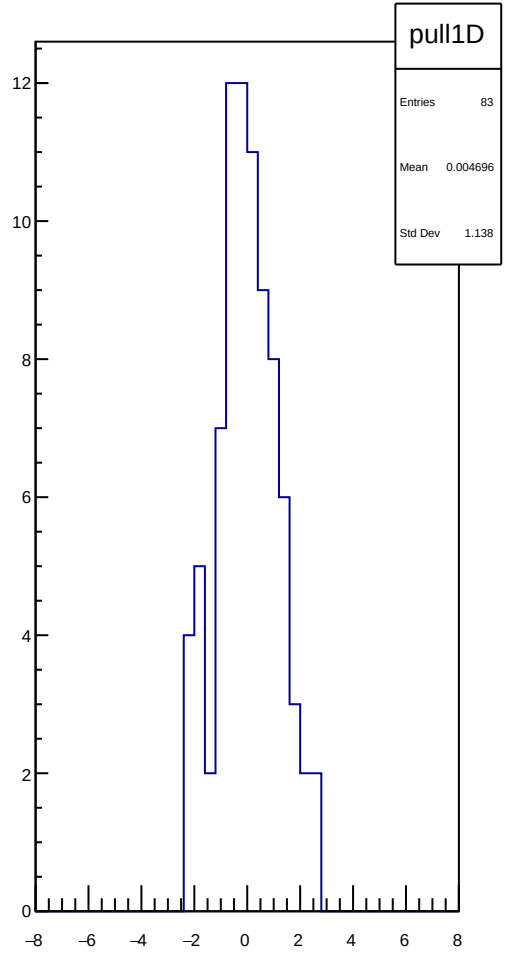

diff_cav4dX_rms vs run
×10^3
210
200
190
180
170
χ² / ndf 2753 / 82
p0 1.85e+05 ± 147.4

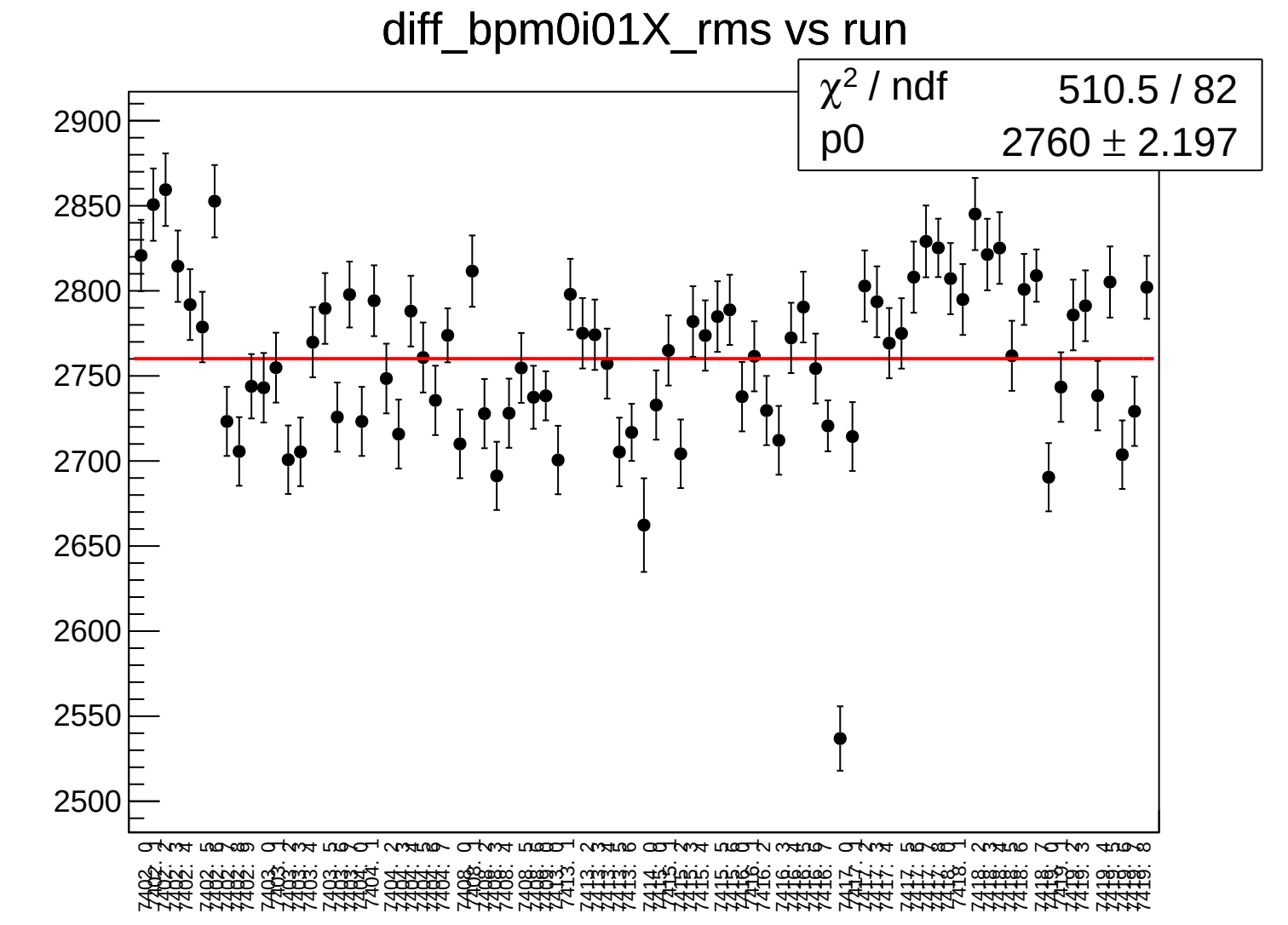

diff_cav4dY_mean vs run
χ² / ndf 70.22 / 82
p0 −148.8 ± 189.2
pull
Entries 83
Mean −29.49
Std Dev 0

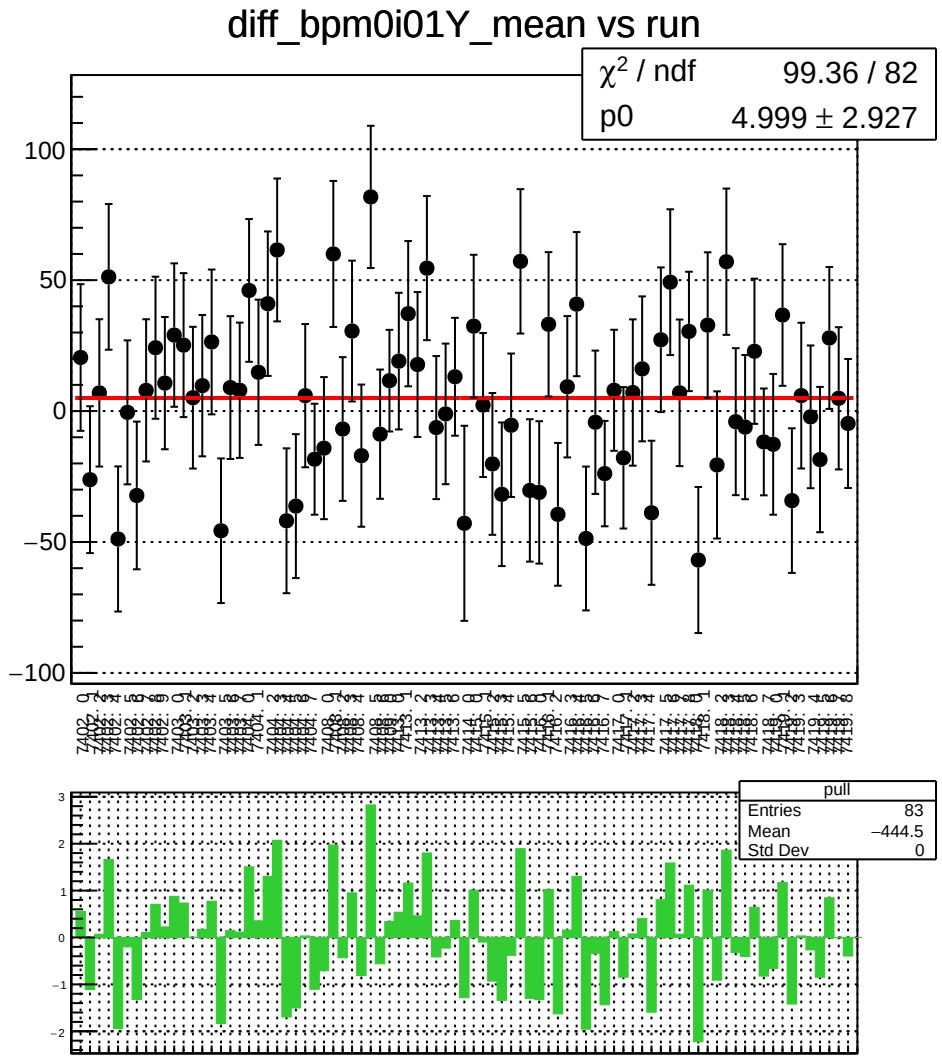

pull1D
Entries 83
Mean 0.003004
Std Dev 0.9198

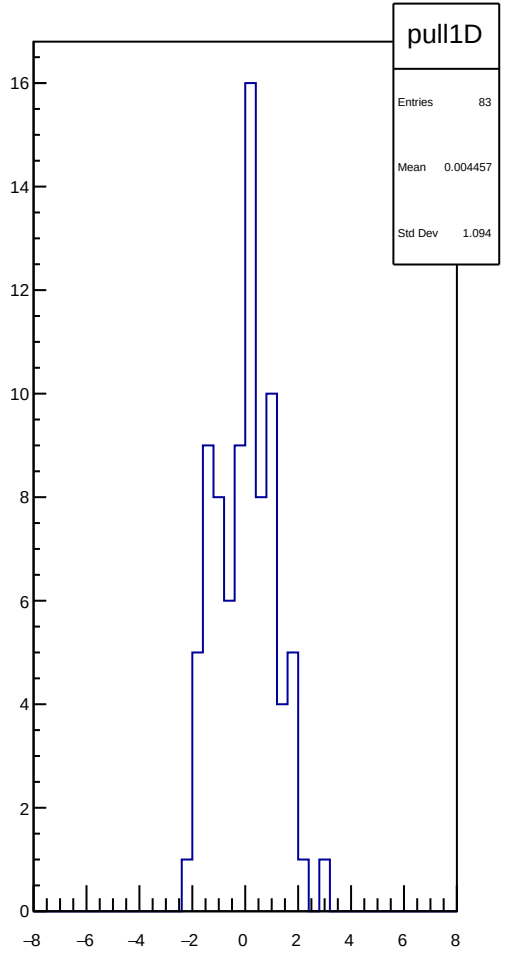

diff_cav4dY_rms vs run
×10^3
200
190
180
170
160
150
χ² / ndf 3891 / 82
p0 1.679e+05 ± 133.8

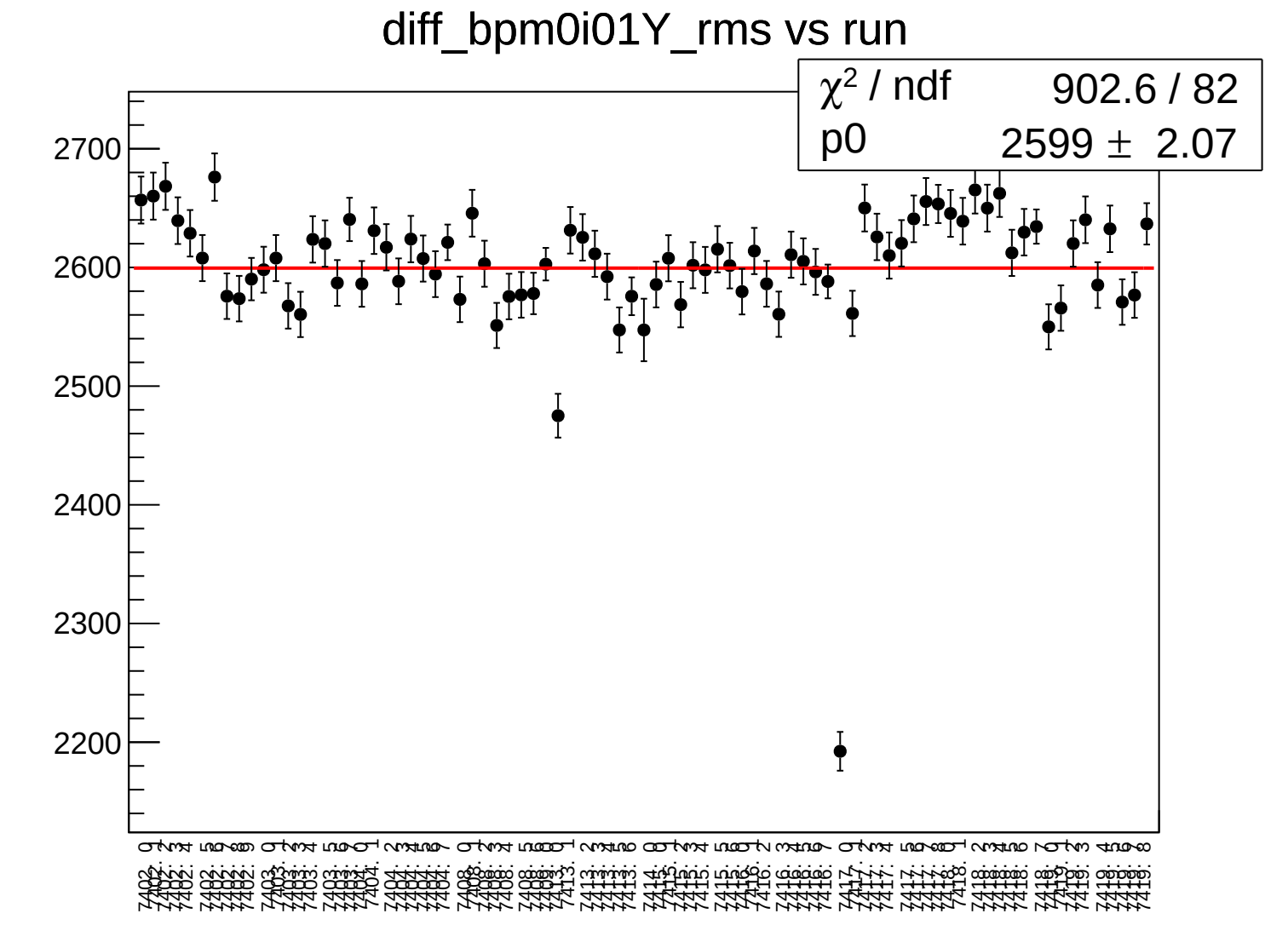

diff_bpm0i01X_mean vs run
χ^2 / ndf 107.5 / 82
p0 7.984 ± 3.107
100
50
0
−50
−100
pull
Entries 83
Mean −446.1
Std Dev 0
2
1
0
−1
−2

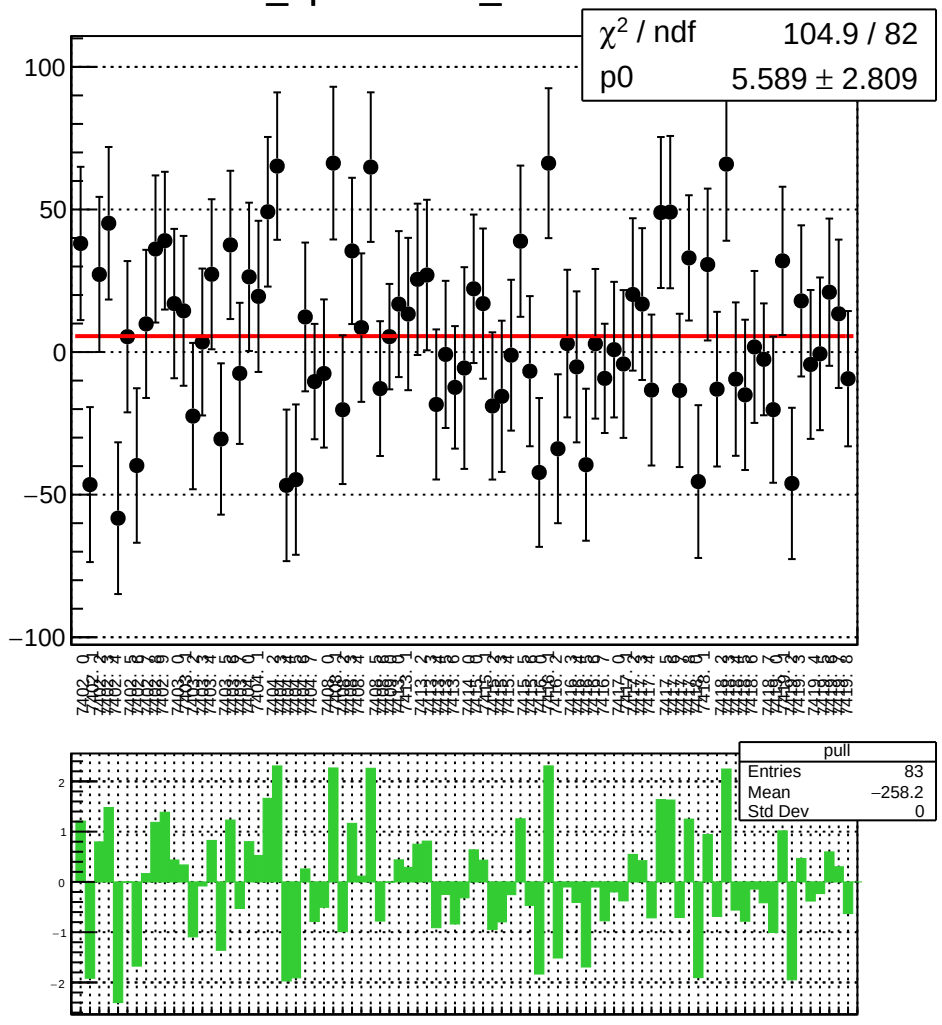

pull1D
Entries 83
Mean 0.004696
Std Dev 1.138
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

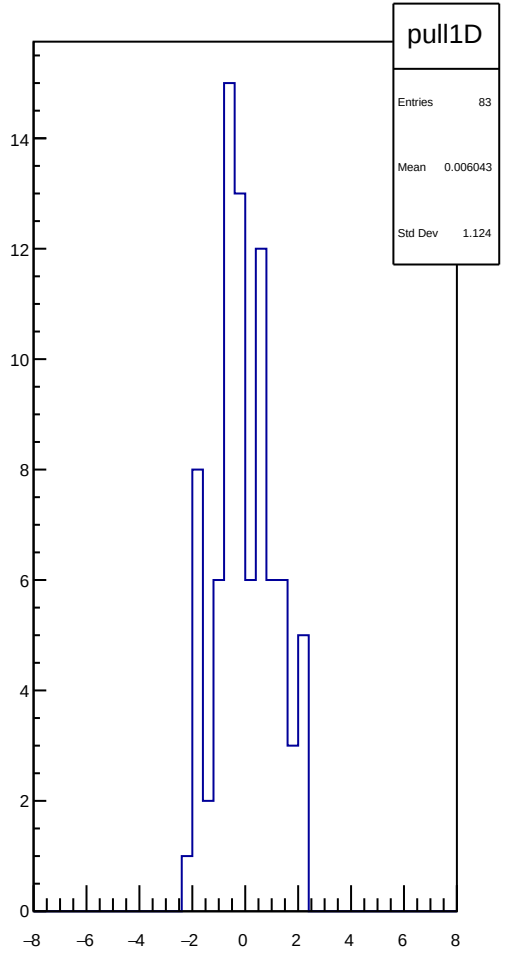

diff_bpm0i01X_rms vs run
χ² / ndf 510.5 / 82
p0 2760 ± 2.197
2900
2850
2800
2750
2700
2650
2600
2550
2500

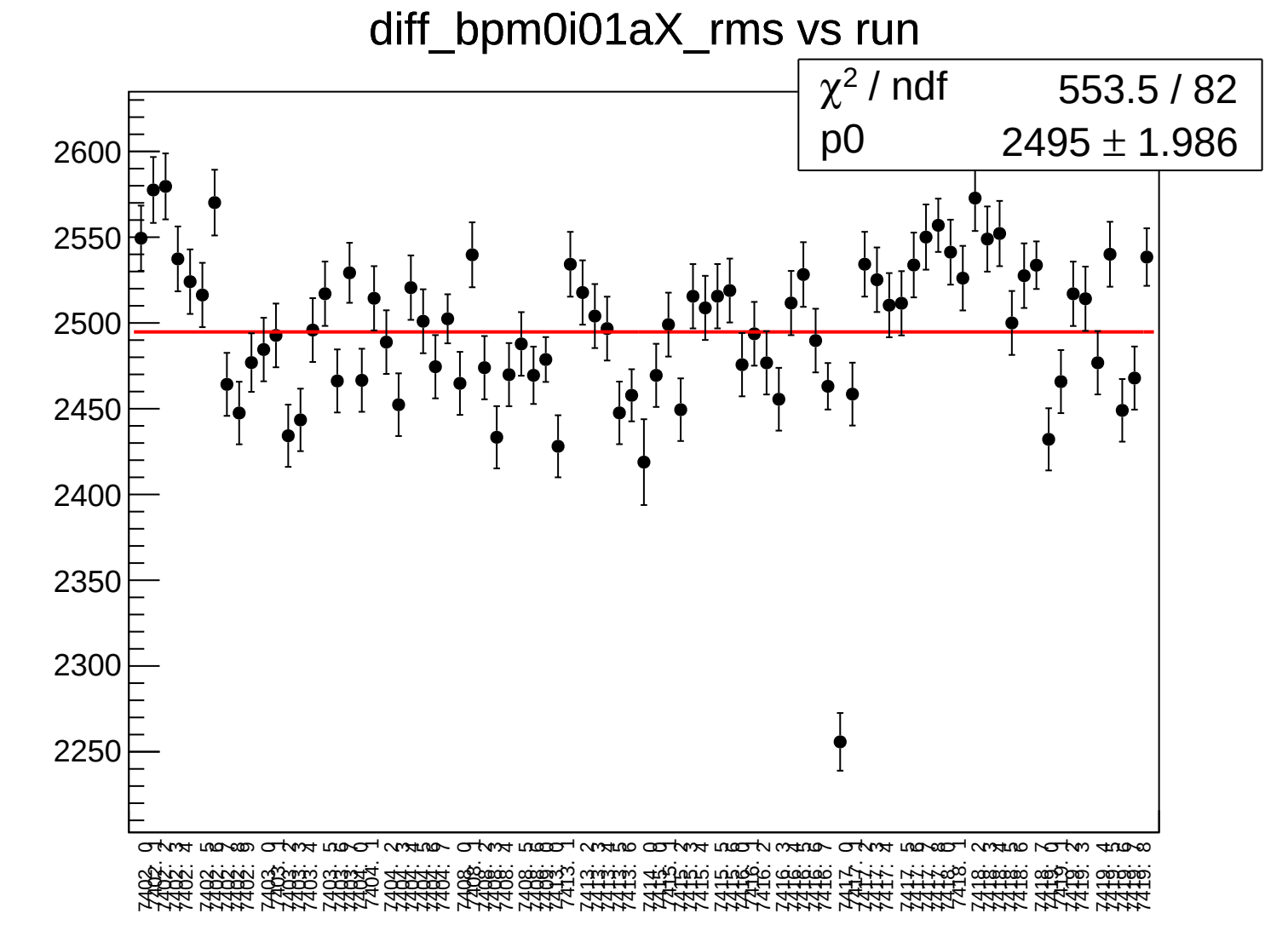

diff_bpm0i01Y_mean vs run
χ^2 / ndf 99.36 / 82
p0 4.999 ± 2.927
100
50
0
−50
−100
pull
Entries 83
Mean −444.5
Std Dev 0
3
2
1
0
−1
−2

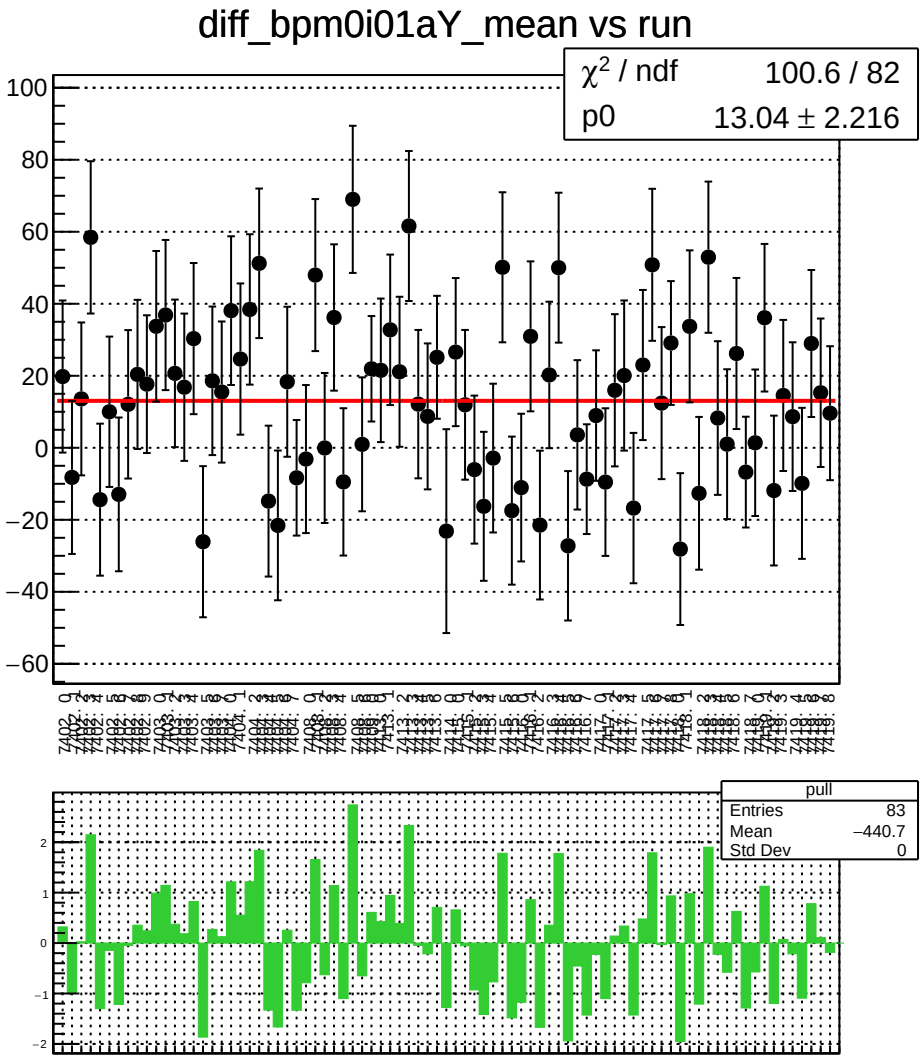

pull1D
Entries 83
Mean 0.004457
Std Dev 1.094
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

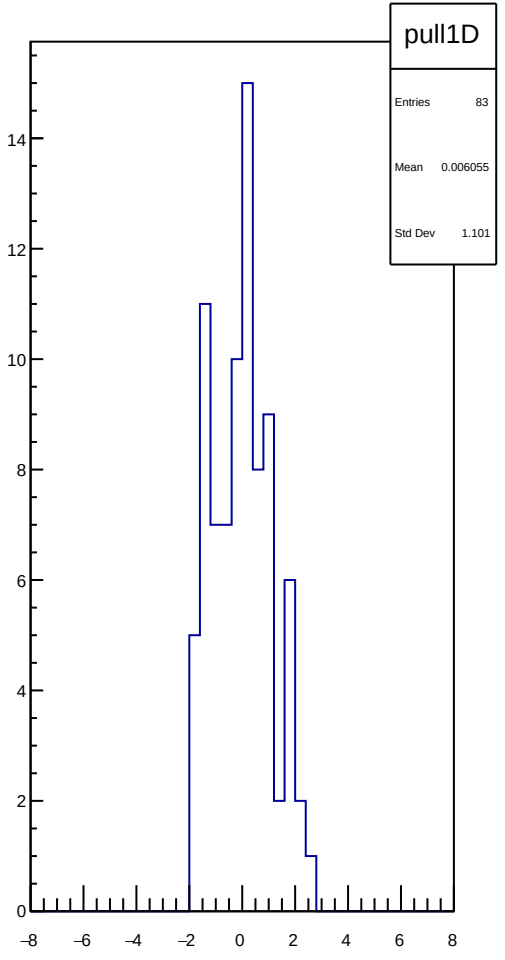

diff_bpm0i01Y_rms vs run
χ² / ndf 902.6 / 82
p0 2599 ± 2.07
2700
2600
2500
2400
2300
2200

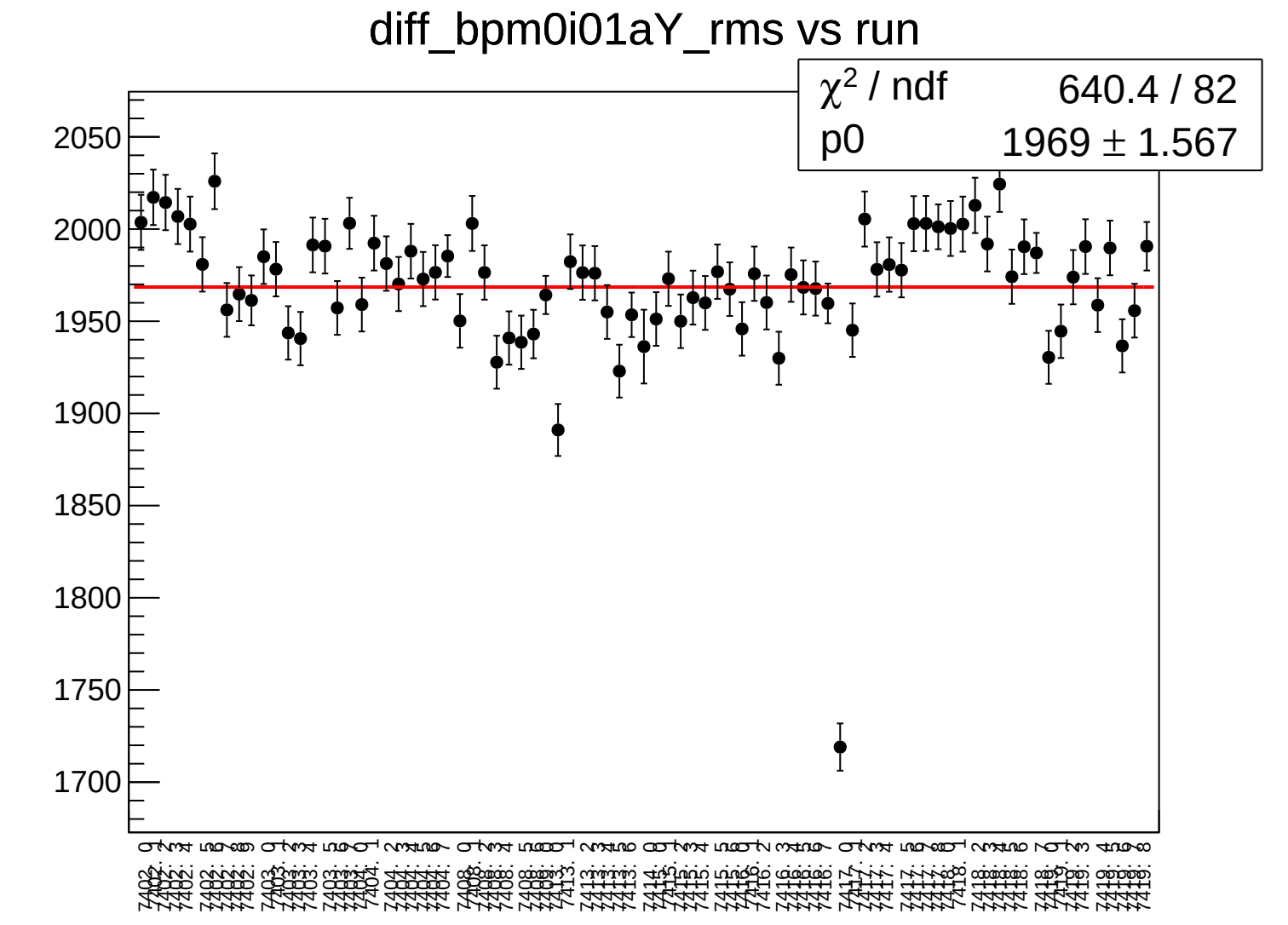

diff_bpm0i01aX_mean vs run
χ² / ndf 104.9 / 82
p0 5.589 ± 2.809
pull
Entries 83
Mean −258.2
Std Dev 0

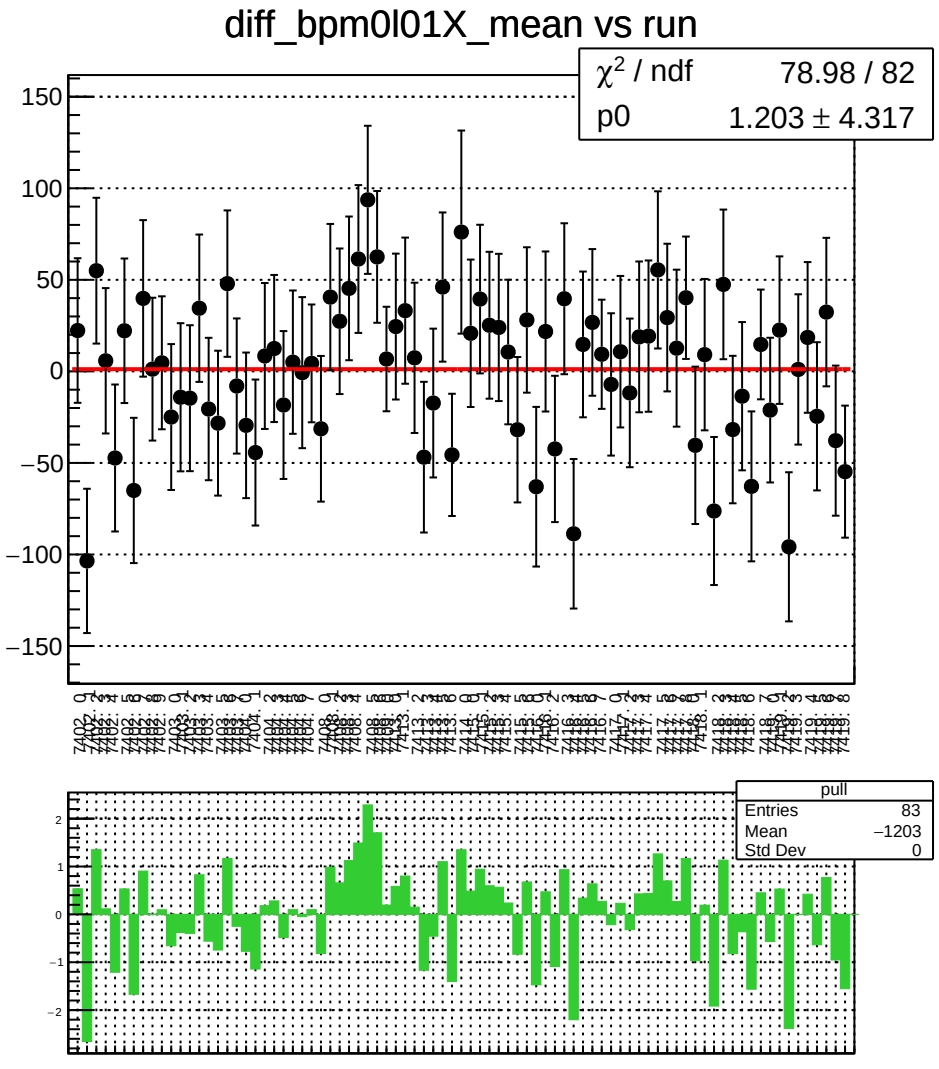

pull1D
Entries 83
Mean 0.006043
Std Dev 1.124

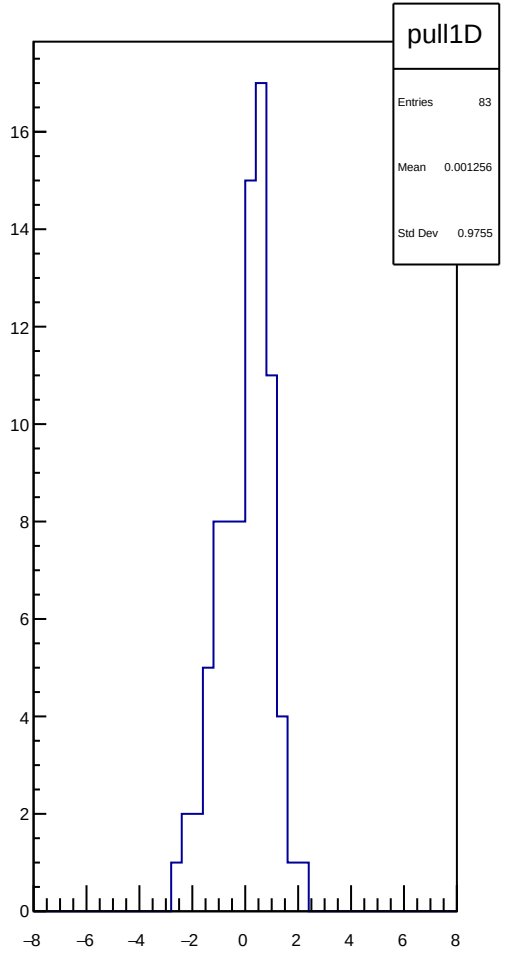

diff_bpm0i01aX_rms vs run
χ² / ndf 553.5 / 82
p0 2495 ± 1.986
2600
2550
2500
2450
2400
2350
2300
2250

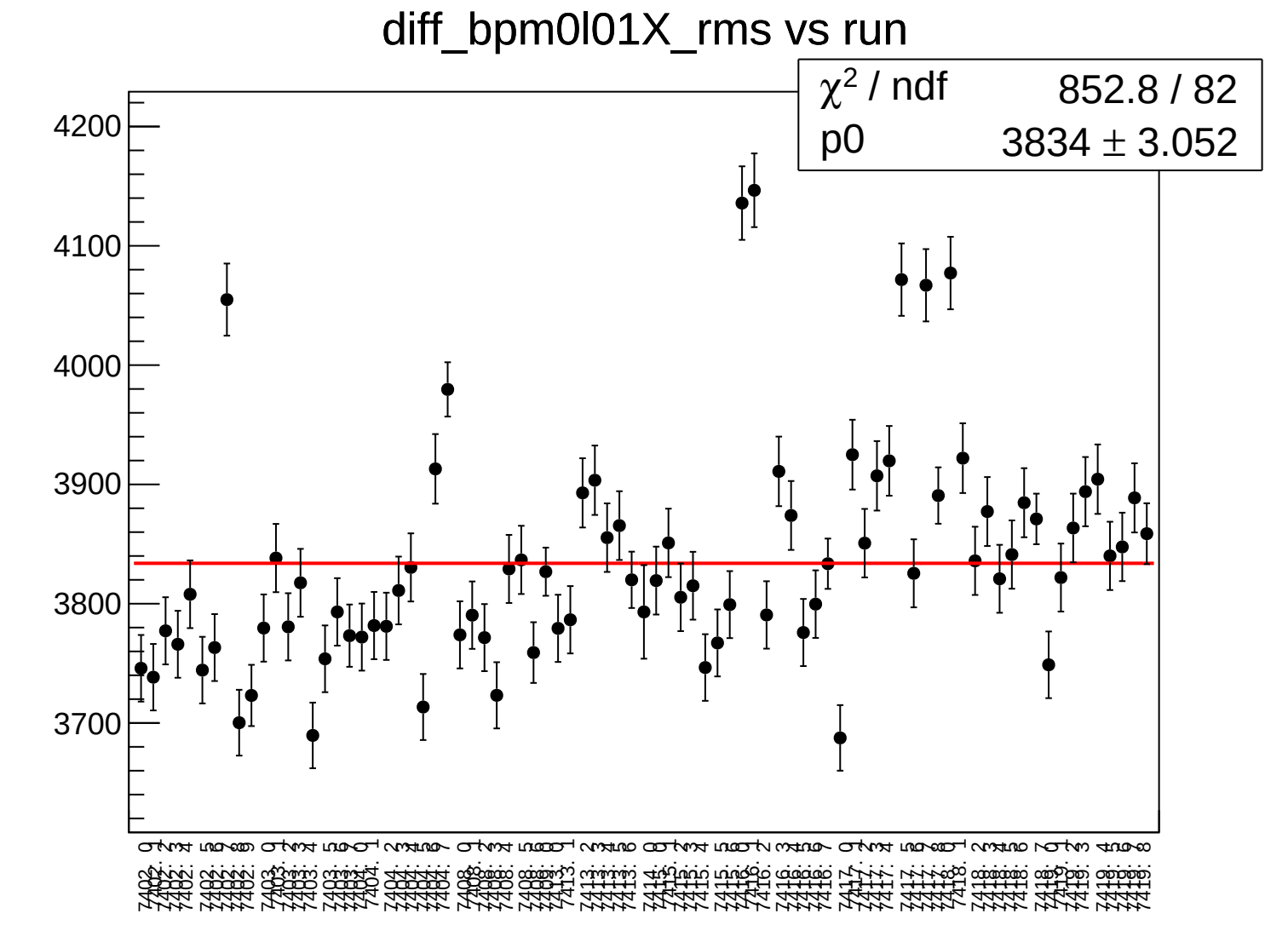

diff_bpm0i01aY_mean vs run
χ^2 / ndf 100.6 / 82
p0 13.04 ± 2.216
pull
Entries 83
Mean −440.7
Std Dev 0

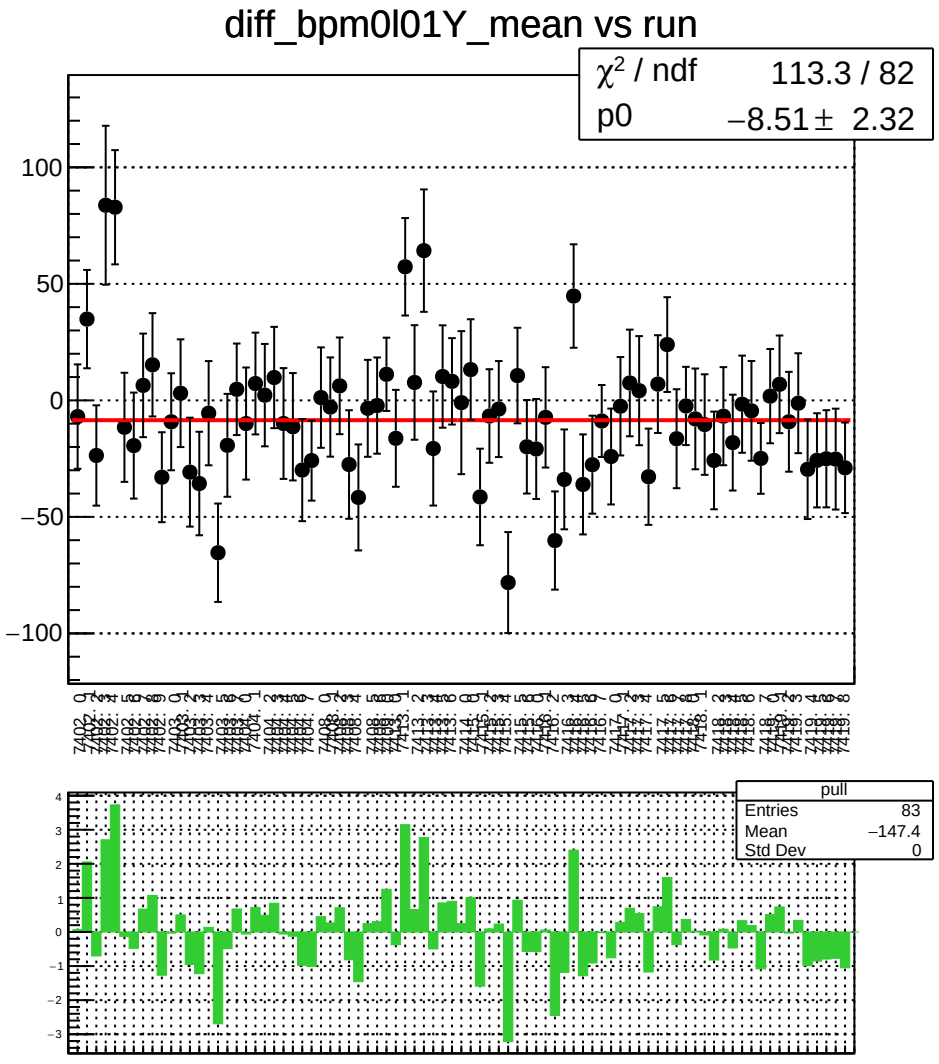

pull1D
Entries 83
Mean 0.006055
Std Dev 1.101

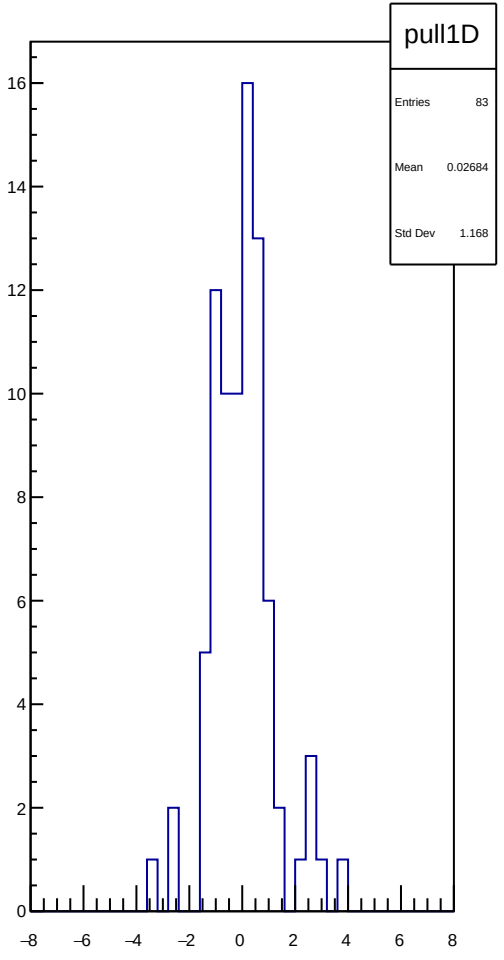

diff_bpm0i01aY_rms vs run
χ^2 / ndf 640.4 / 82
p0 1969 ± 1.567
2050
2000
1950
1900
1850
1800
1750
1700

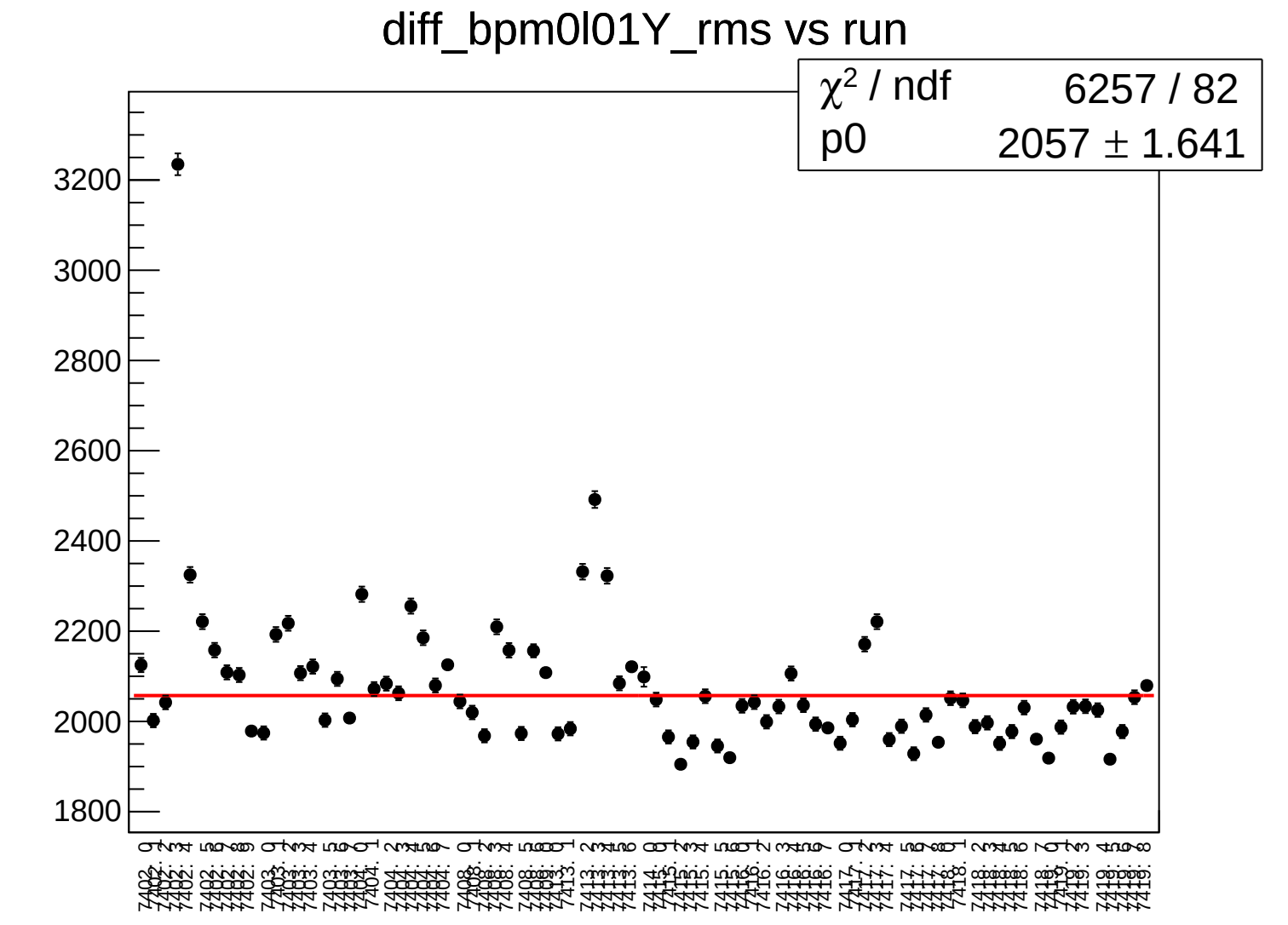

diff_bpm0l01X_mean vs run
χ^2 / ndf 78.98 / 82
p0 1.203 ± 4.317
150
100
50
0
−50
−100
−150
pull
Entries 83
Mean −1203
Std Dev 0
2
1
0
−1
−2

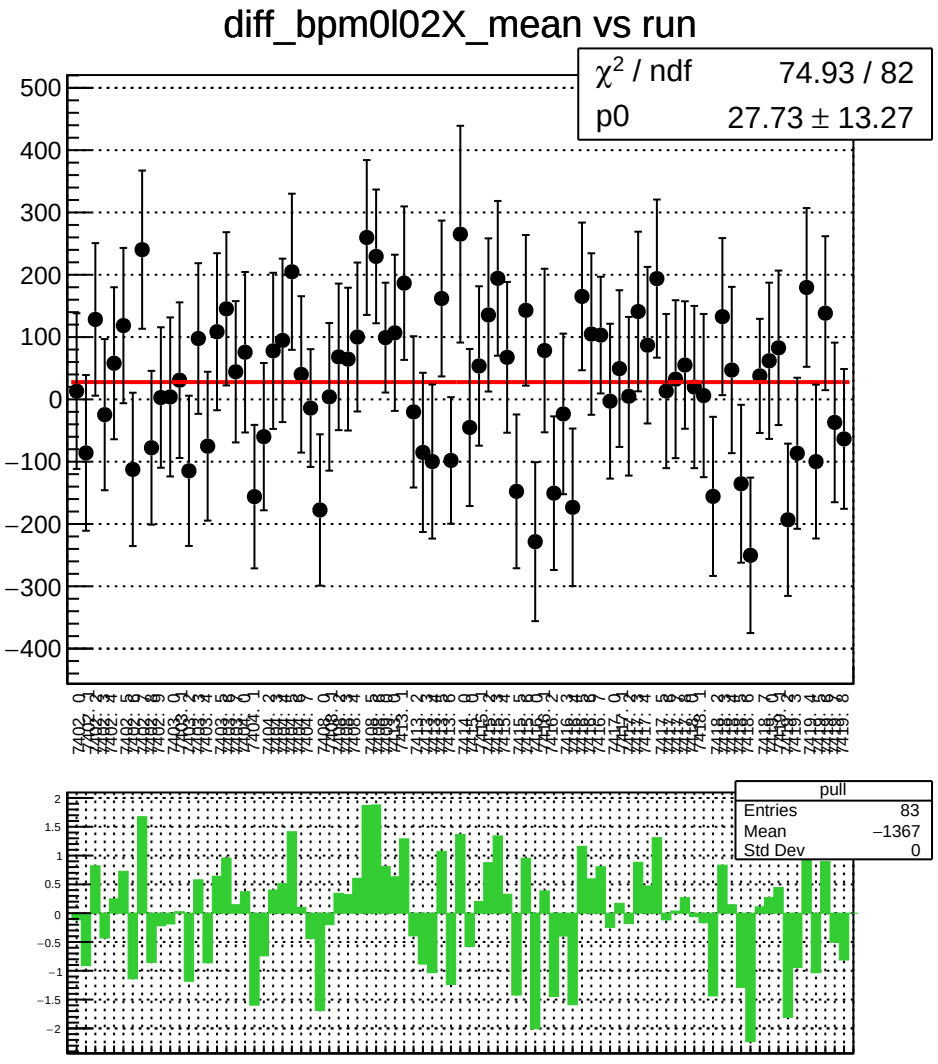

pull1D
Entries 83
Mean 0.001256
Std Dev 0.9755
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

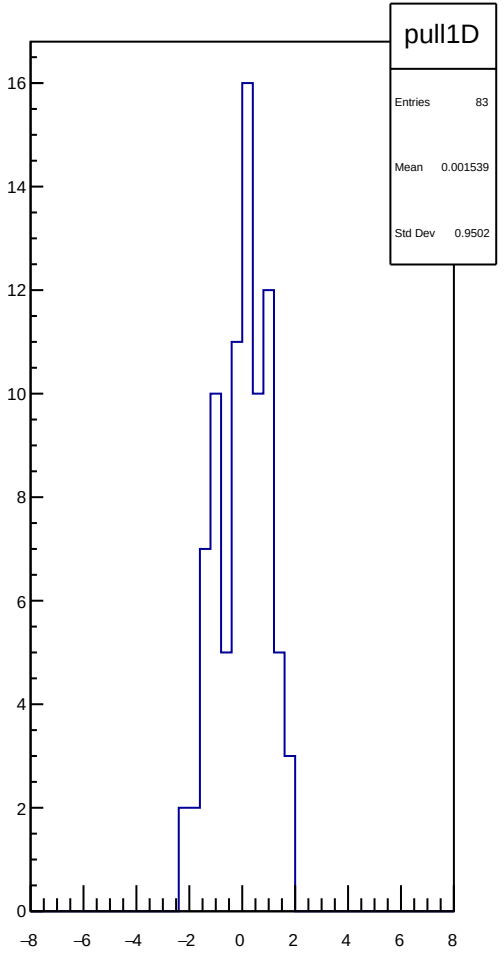

diff_bpm0l01X_rms vs run
χ² / ndf 852.8 / 82
p0 3834 ± 3.052
4200
4100
4000
3900
3800
3700

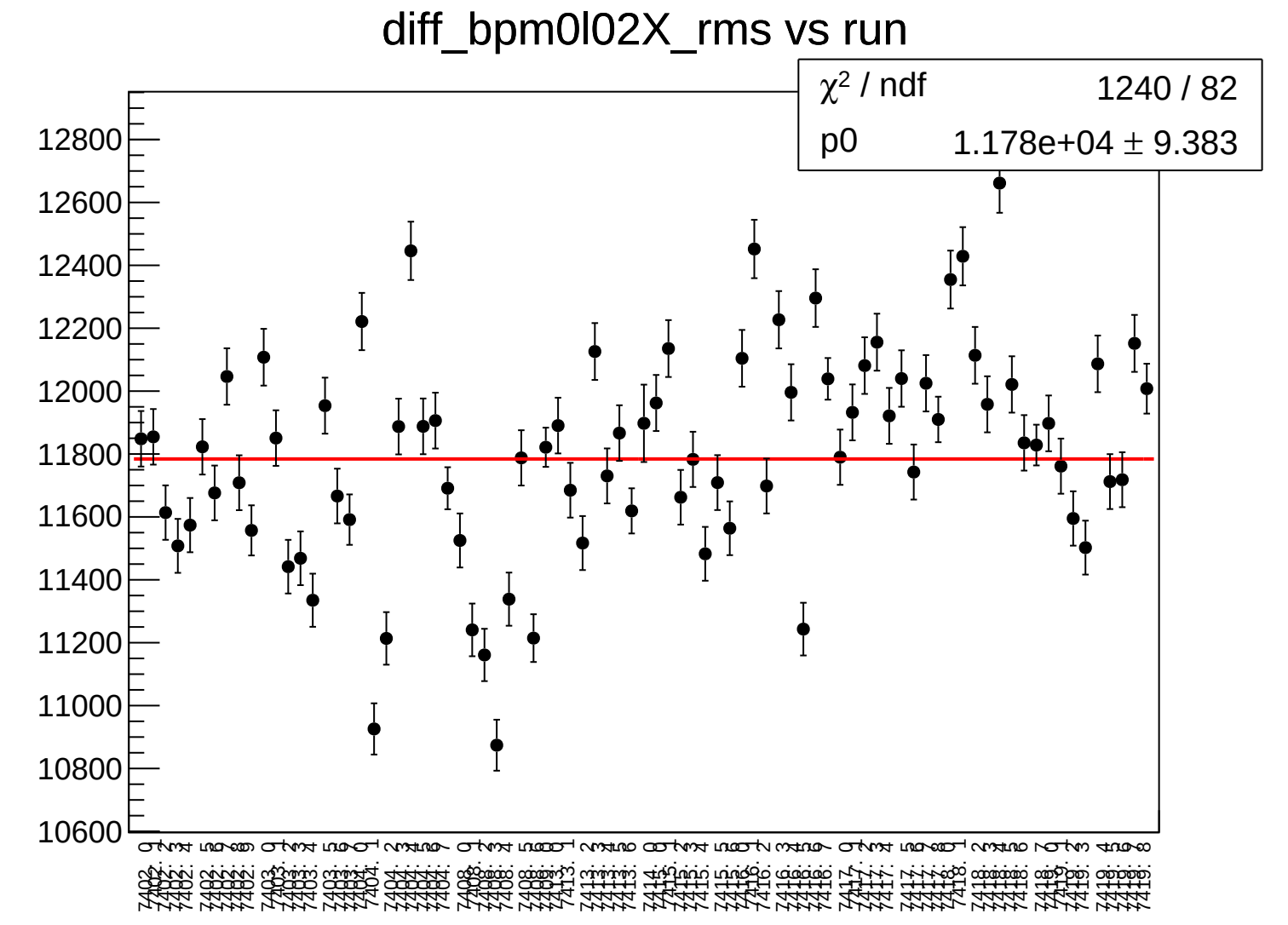

diff_bpm0l01Y_mean vs run
χ² / ndf 113.3 / 82
p0 −8.51 ± 2.32
100
50
0
−50
−100
pull
Entries 83
Mean −147.4
Std Dev 0
4
3
2
1
0
−1
−2
−3

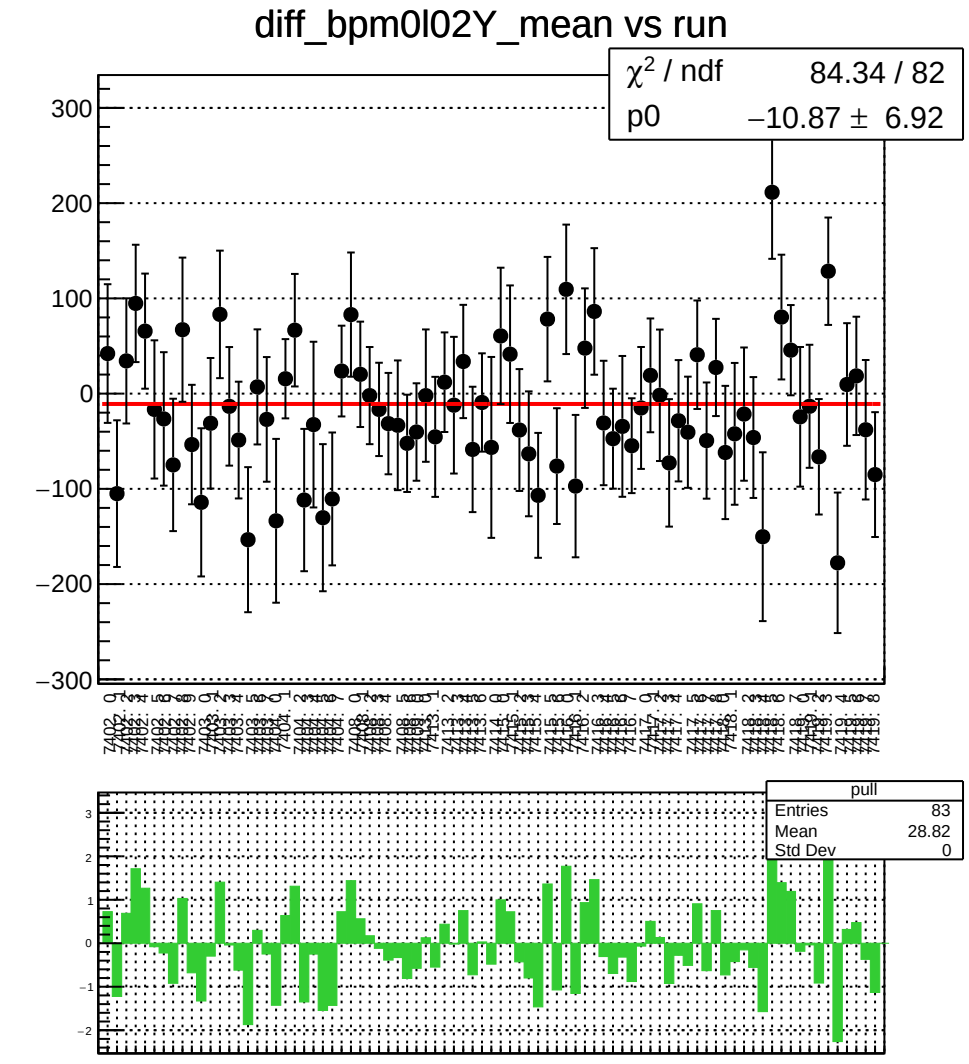

pull1D
Entries 83
Mean 0.02684
Std Dev 1.168
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

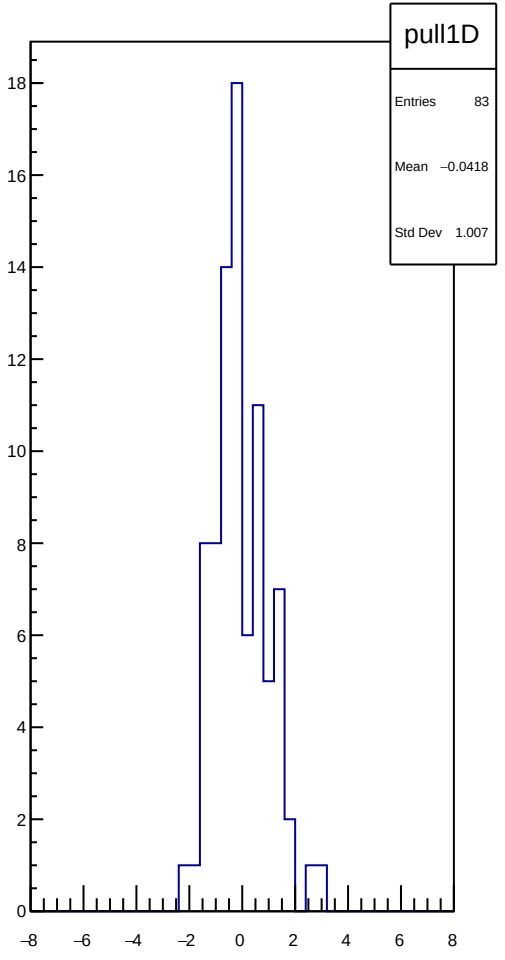

diff_bpm0l01Y_rms vs run
χ² / ndf 6257 / 82
p0 2057 ± 1.641
3200
3000
2800
2600
2400
2200
2000
1800

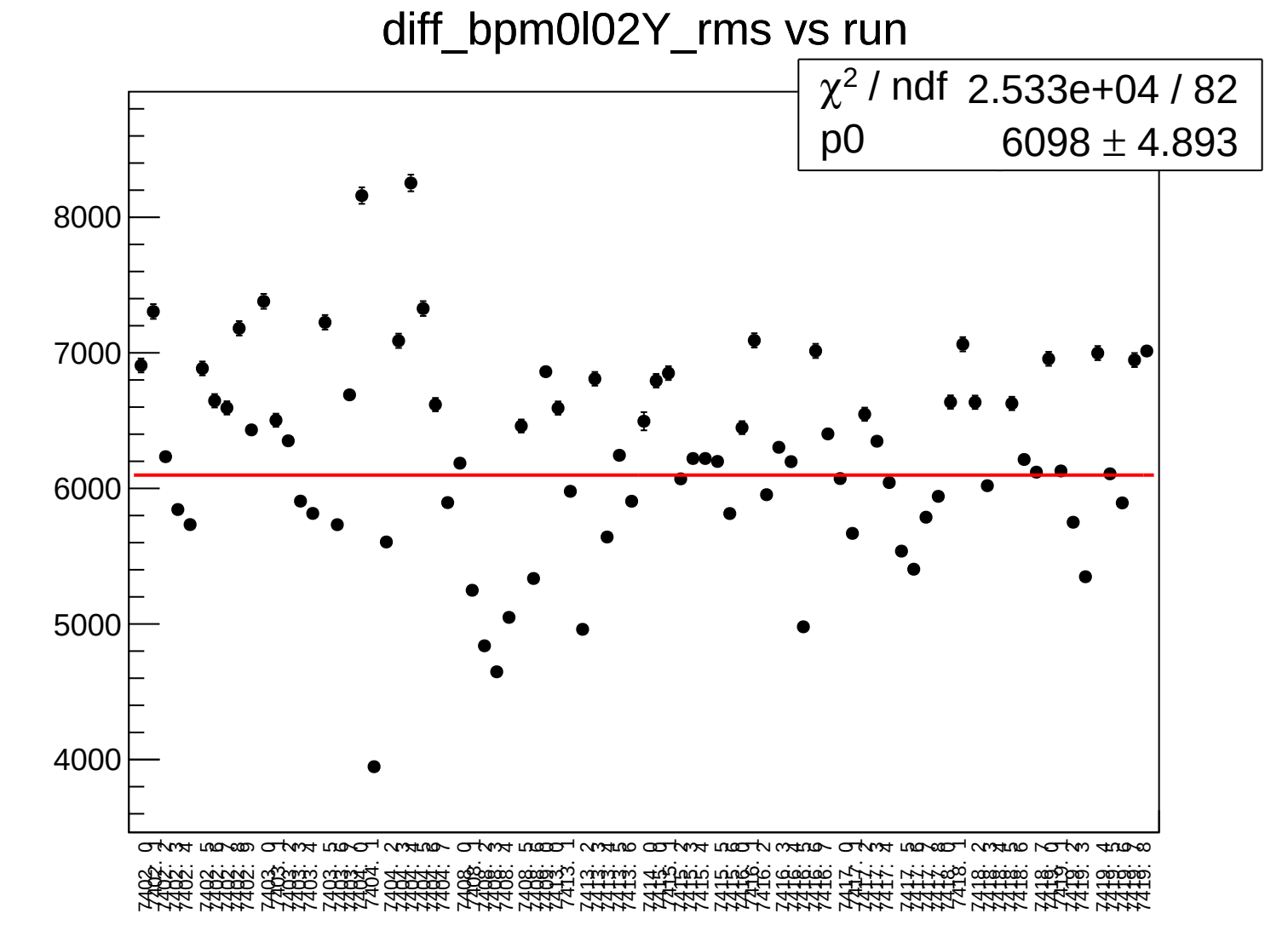

diff_bpm0l02X_mean vs run
χ^2 / ndf 74.93 / 82
p0 27.73 ± 13.27
pull
Entries 83
Mean −1367
Std Dev 0

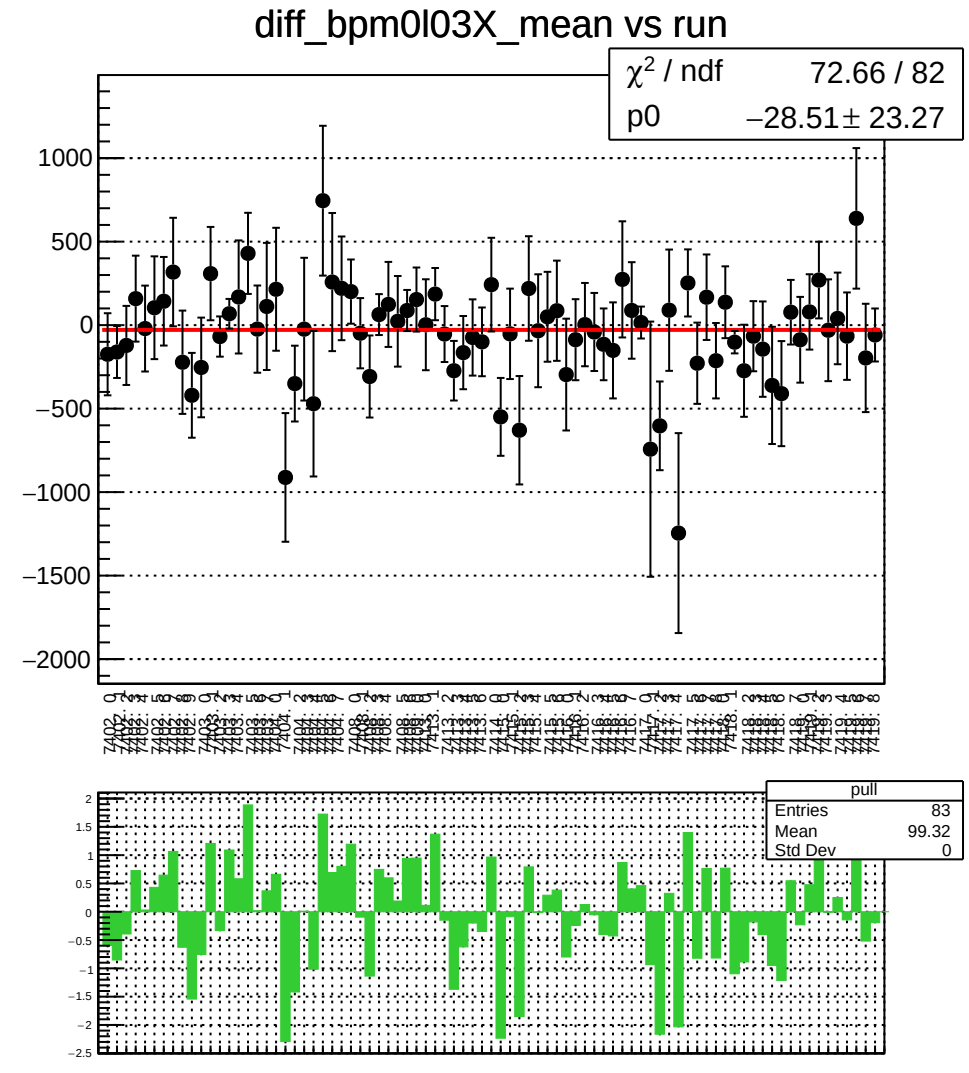

pull1D
Entries 83
Mean 0.001539
Std Dev 0.9502

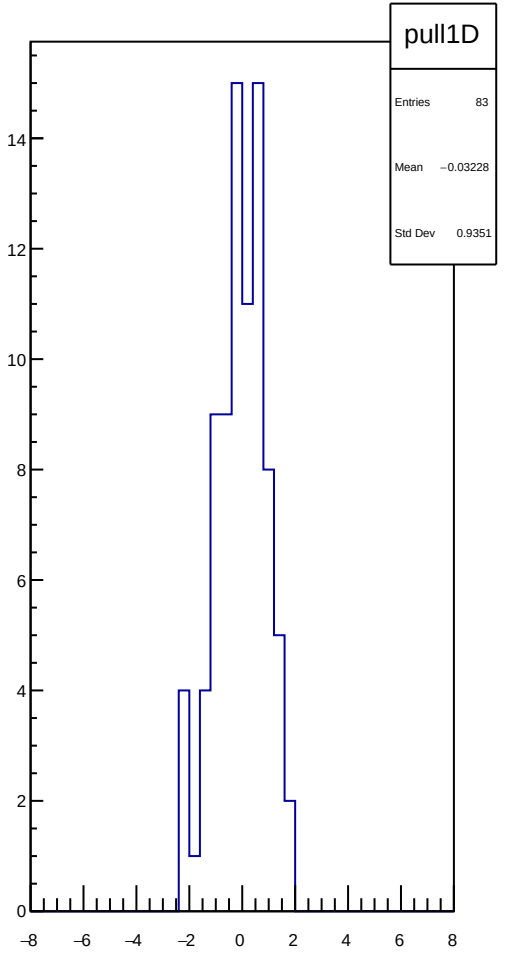

diff_bpm0l02X_rms vs run
χ² / ndf 1240 / 82
p0 1.178e+04 ± 9.383
12800
12600
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600

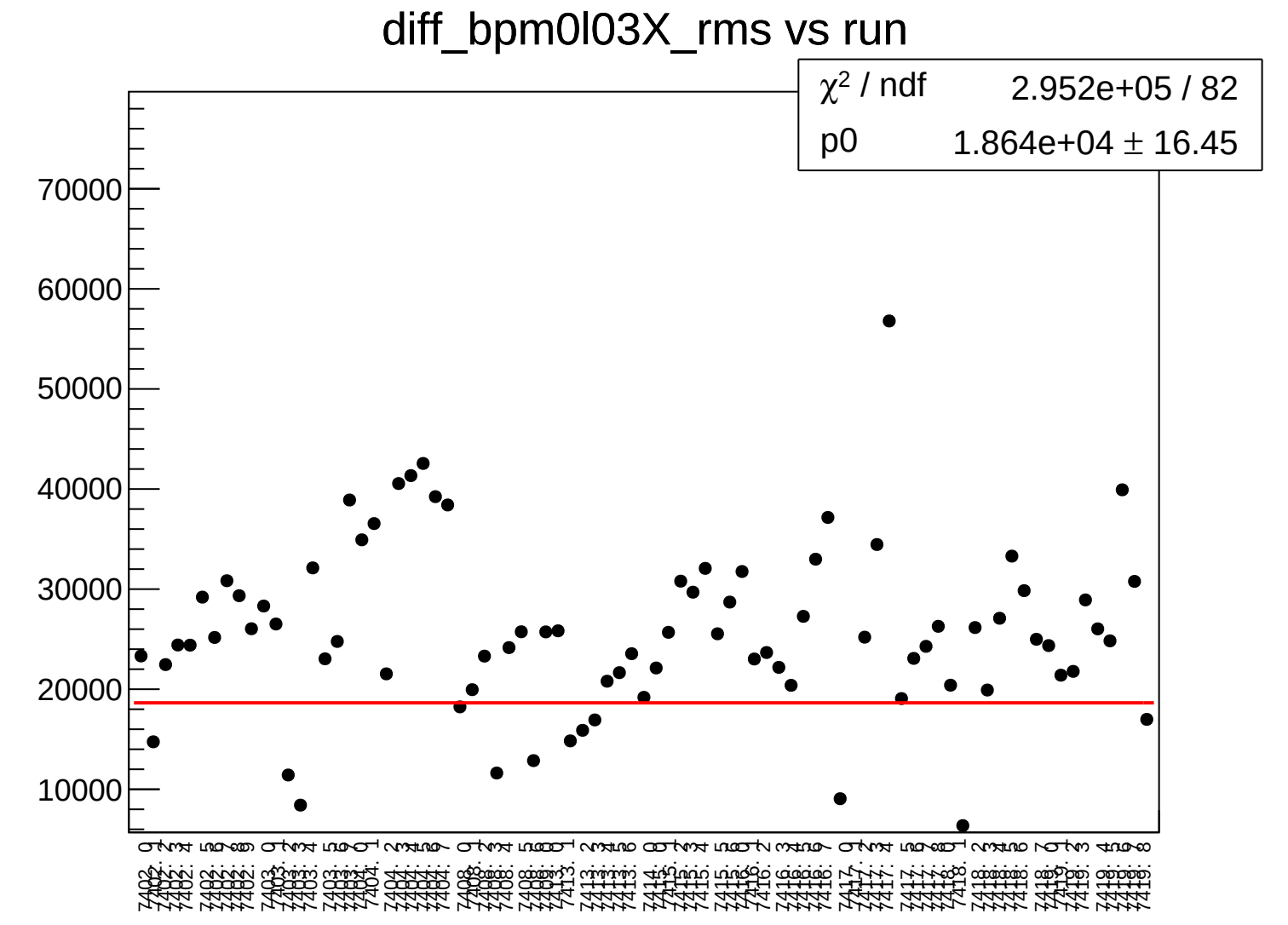

diff_bpm0l02Y_mean vs run
χ² / ndf 84.34 / 82
p0 −10.87 ± 6.92
pull
Entries 83
Mean 28.82
Std Dev 0

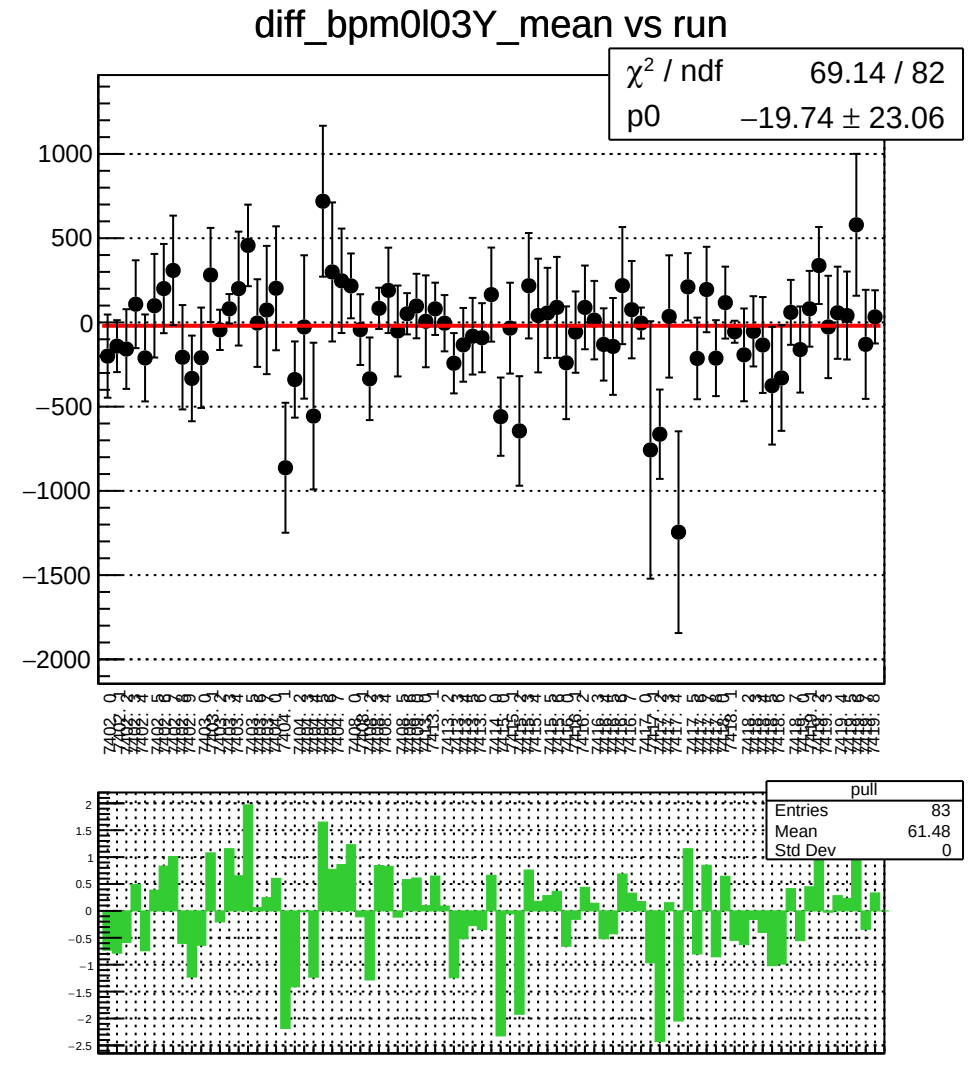

pull1D
Entries 83
Mean −0.0418
Std Dev 1.007

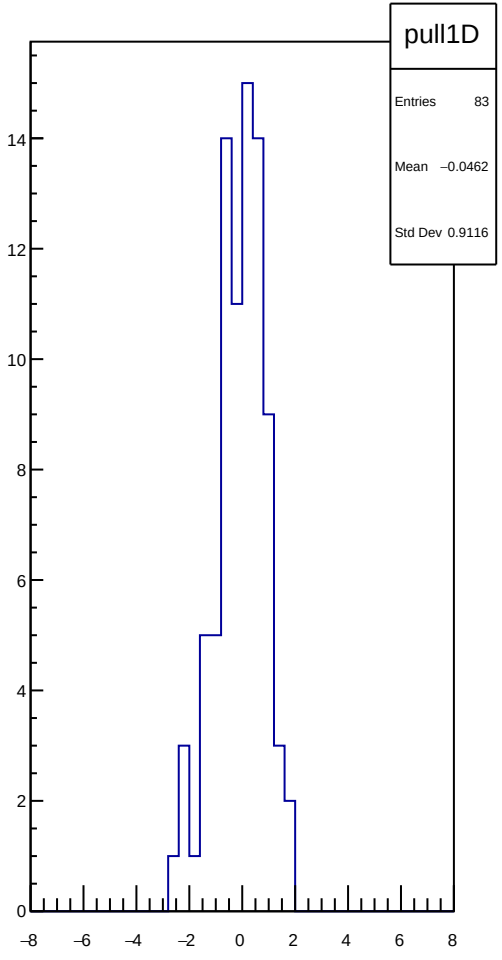

diff_bpm0l02Y_rms vs run
χ² / ndf 2.533e+04 / 82
p0 6098 ± 4.893
8000
7000
6000
5000
4000

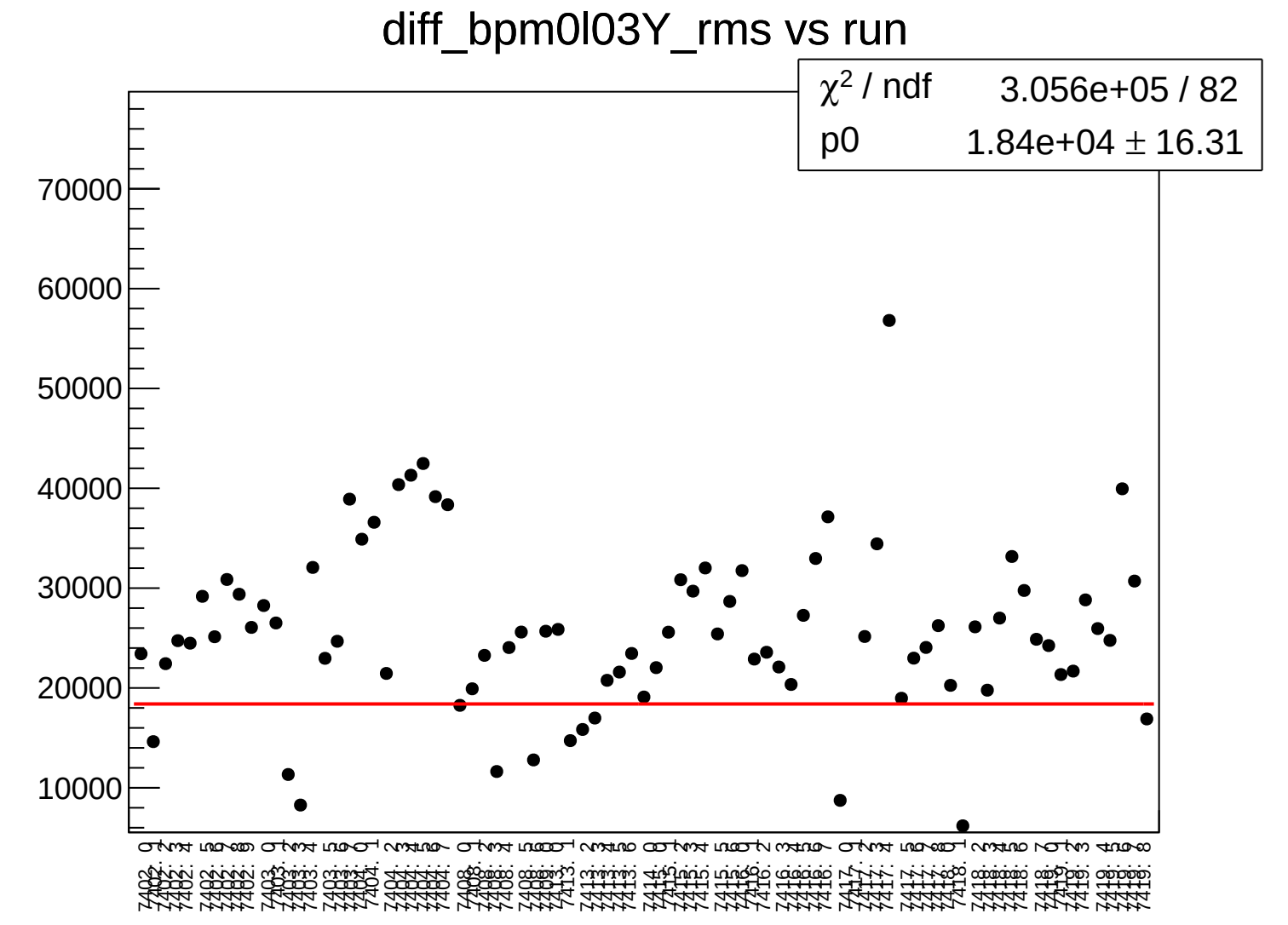

diff_bpm0l03X_mean vs run
χ² / ndf 72.66 / 82
p0 −28.51 ± 23.27
pull
Entries 83
Mean 99.32
Std Dev 0

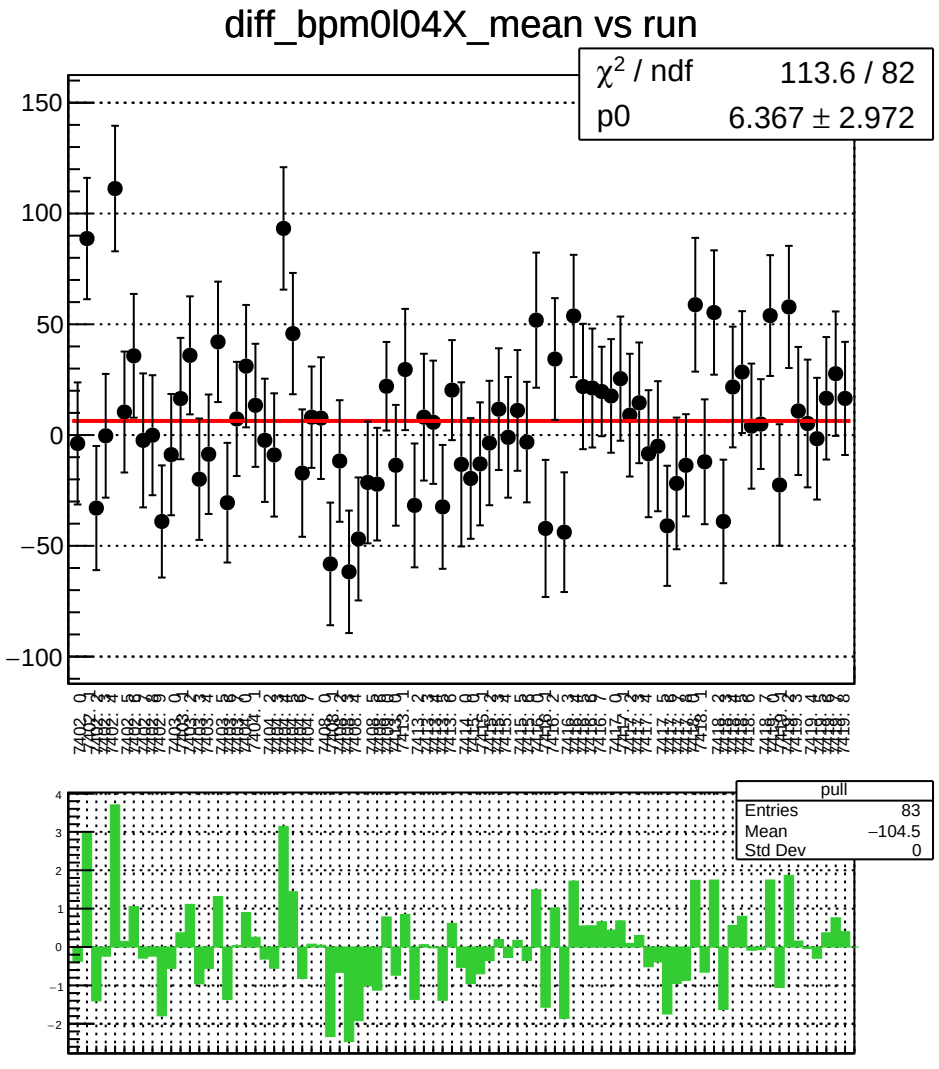

pull1D
Entries 83
Mean −0.03228
Std Dev 0.9351

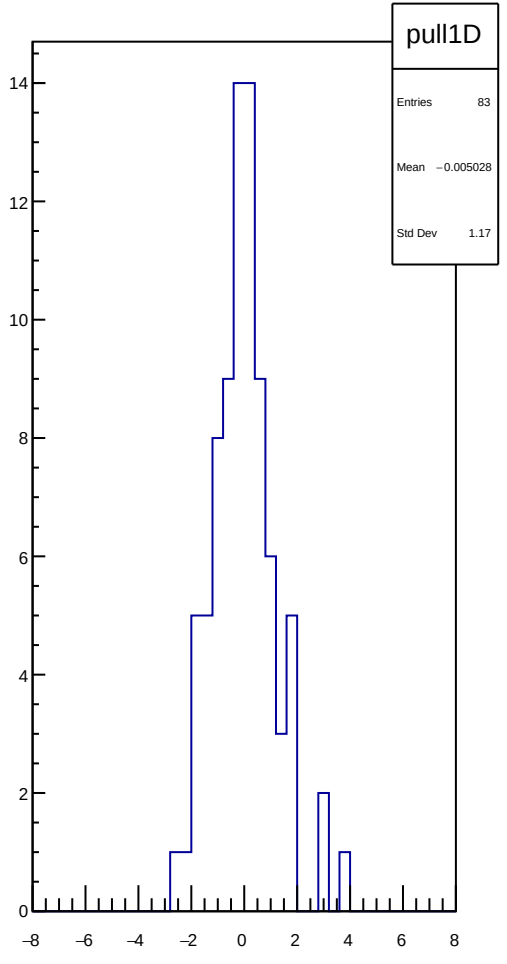

diff_bpm0l03X_rms vs run
χ² / ndf 2.952e+05 / 82
p0 1.864e+04 ± 16.45
70000
60000
50000
40000
30000
20000
10000

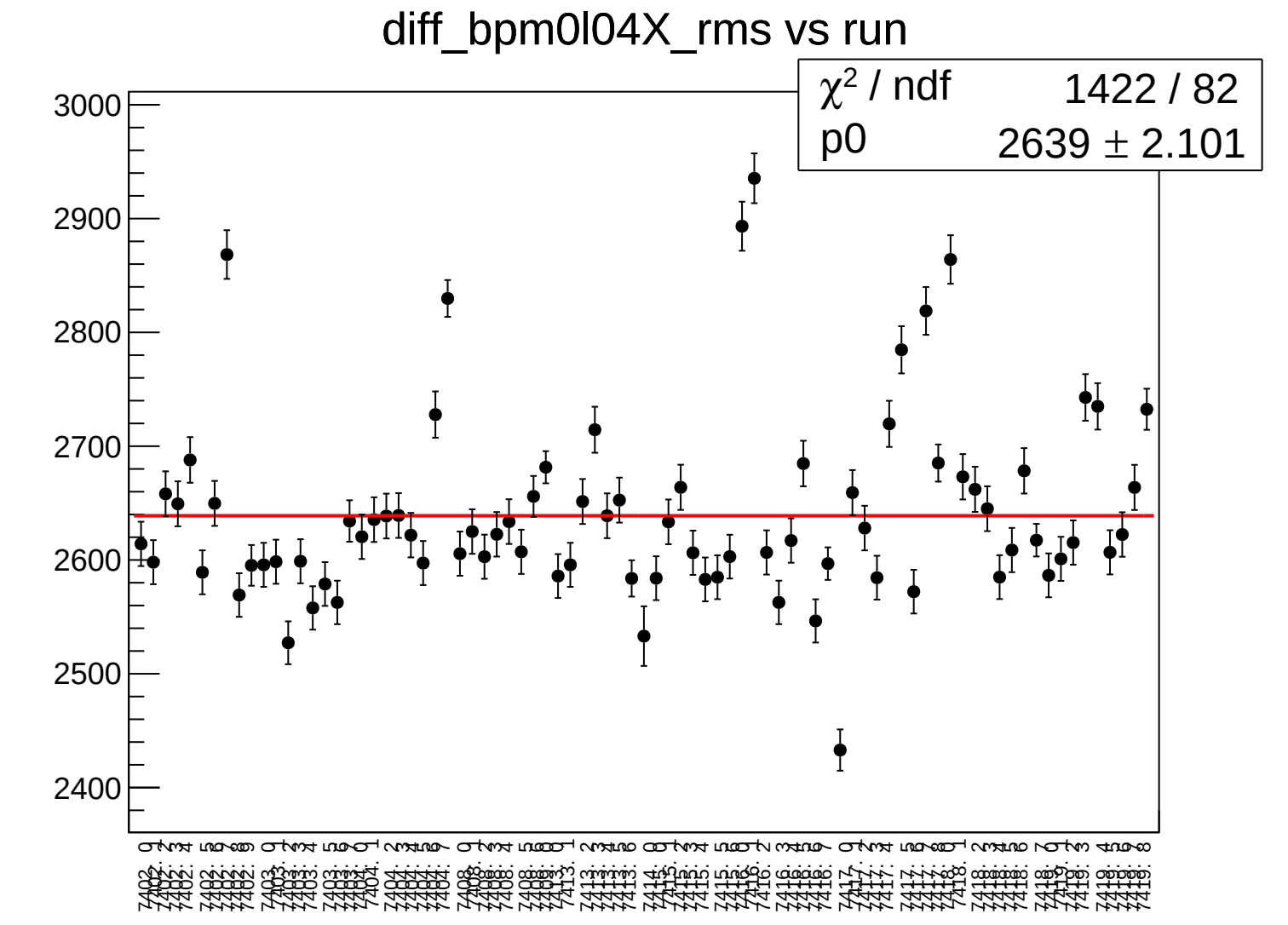

diff_bpm0l03Y_mean vs run
χ² / ndf 69.14 / 82
p0 −19.74 ± 23.06
pull
Entries 83
Mean 61.48
Std Dev 0

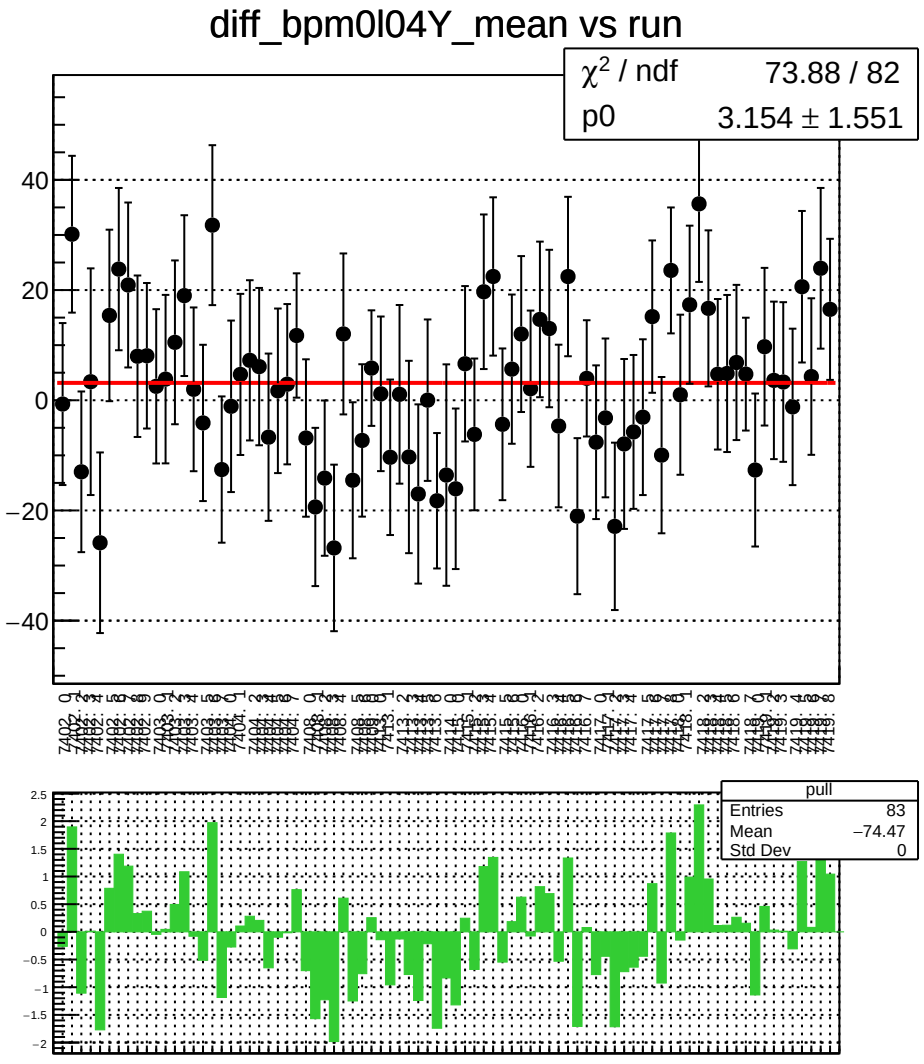

pull1D
Entries 83
Mean −0.0462
Std Dev 0.9116

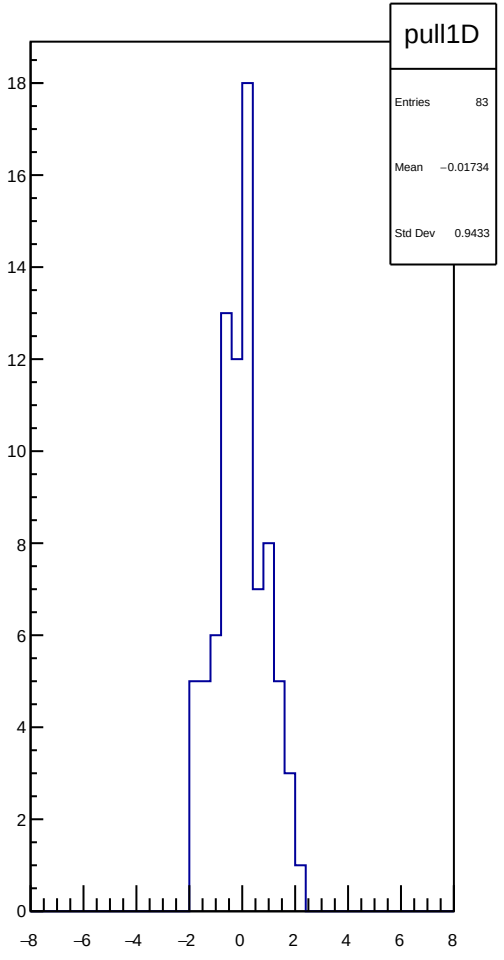

diff_bpm0l03Y_rms vs run
χ^2 / ndf 3.056e+05 / 82
p0 1.84e+04 ± 16.31
70000
60000
50000
40000
30000
20000
10000

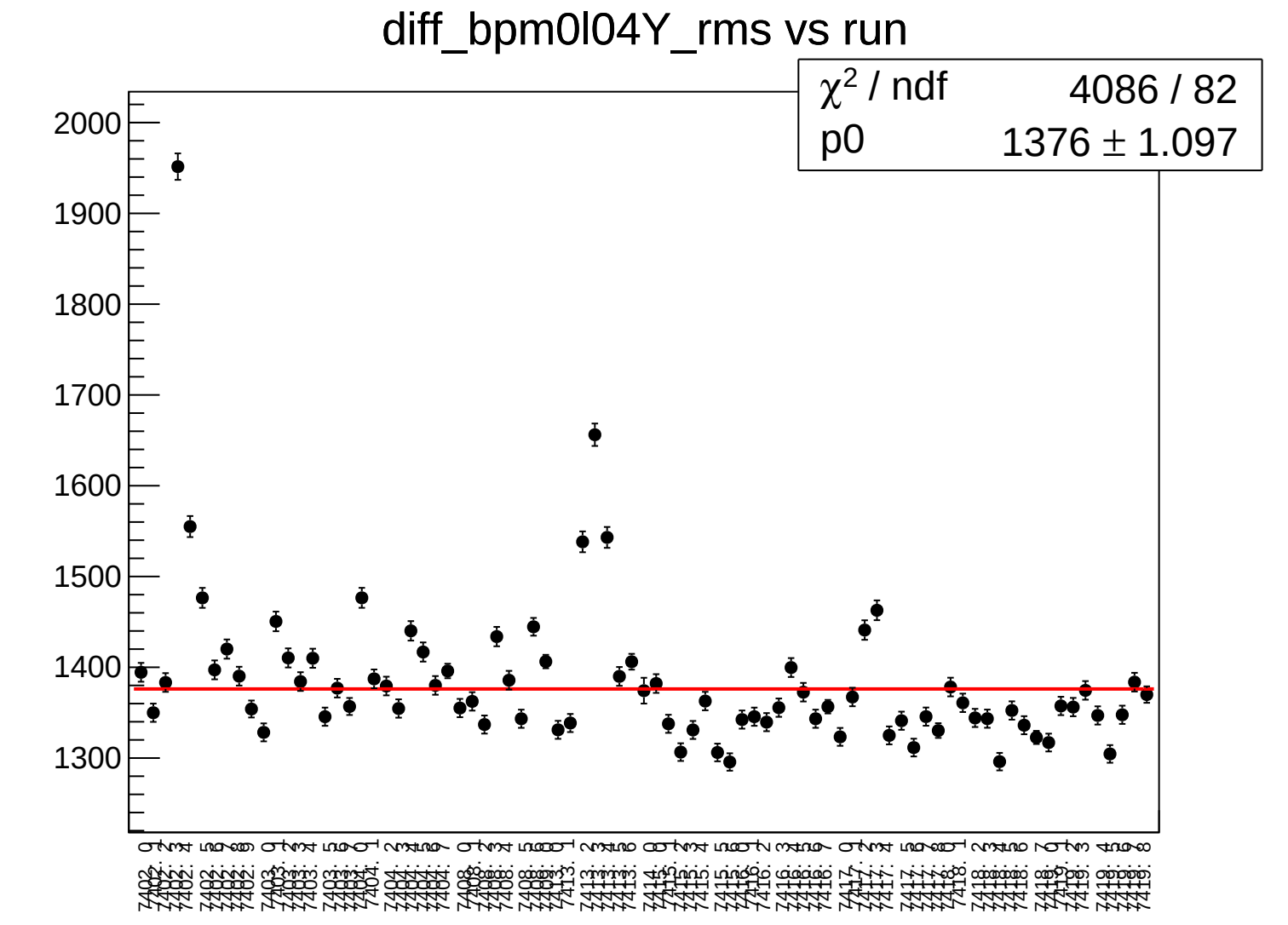

diff_bpm0l04X_mean vs run
χ² / ndf 113.6 / 82
p0 6.367 ± 2.972
150
100
50
0
−50
−100
pull
Entries 83
Mean −104.5
Std Dev 0
4
3
2
1
0
−1
−2

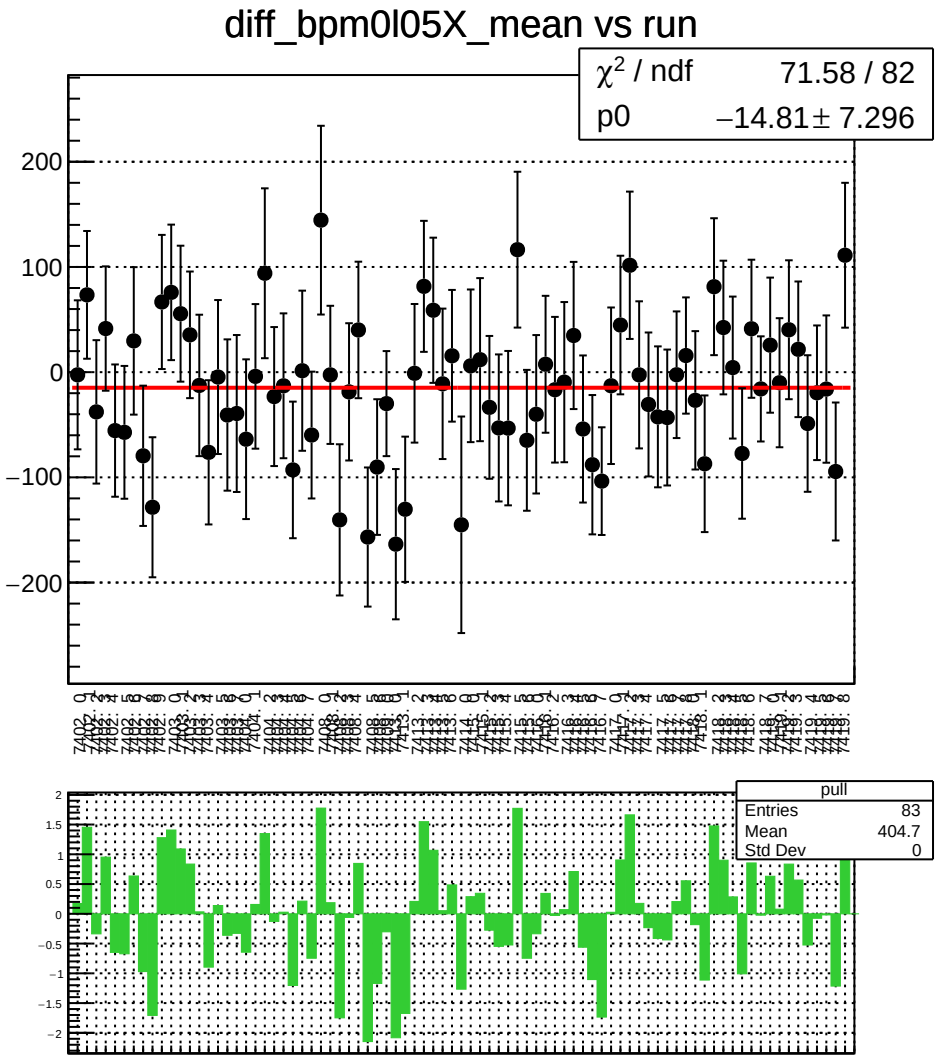

pull1D
Entries 83
Mean −0.005028
Std Dev 1.17
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

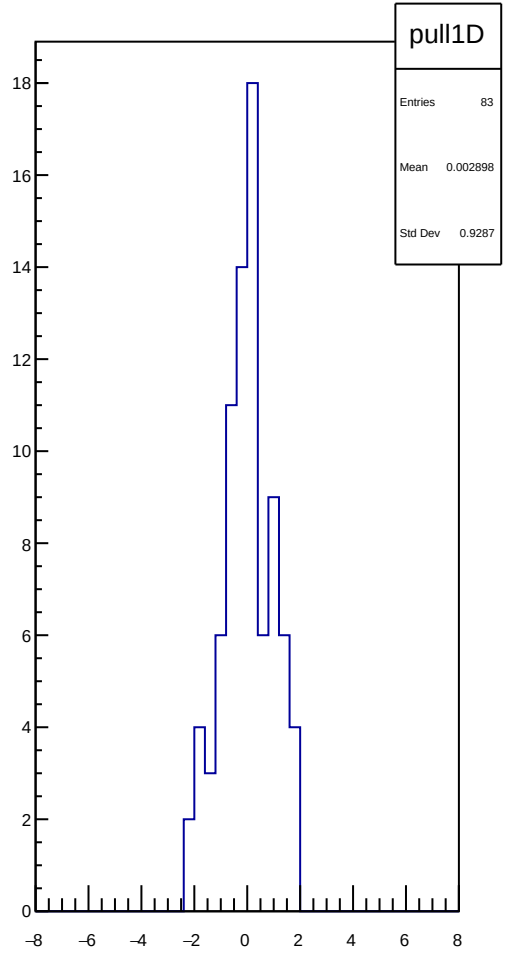

diff_bpm0l04X_rms vs run
χ² / ndf 1422 / 82
p0 2639 ± 2.101
3000
2900
2800
2700
2600
2500
2400

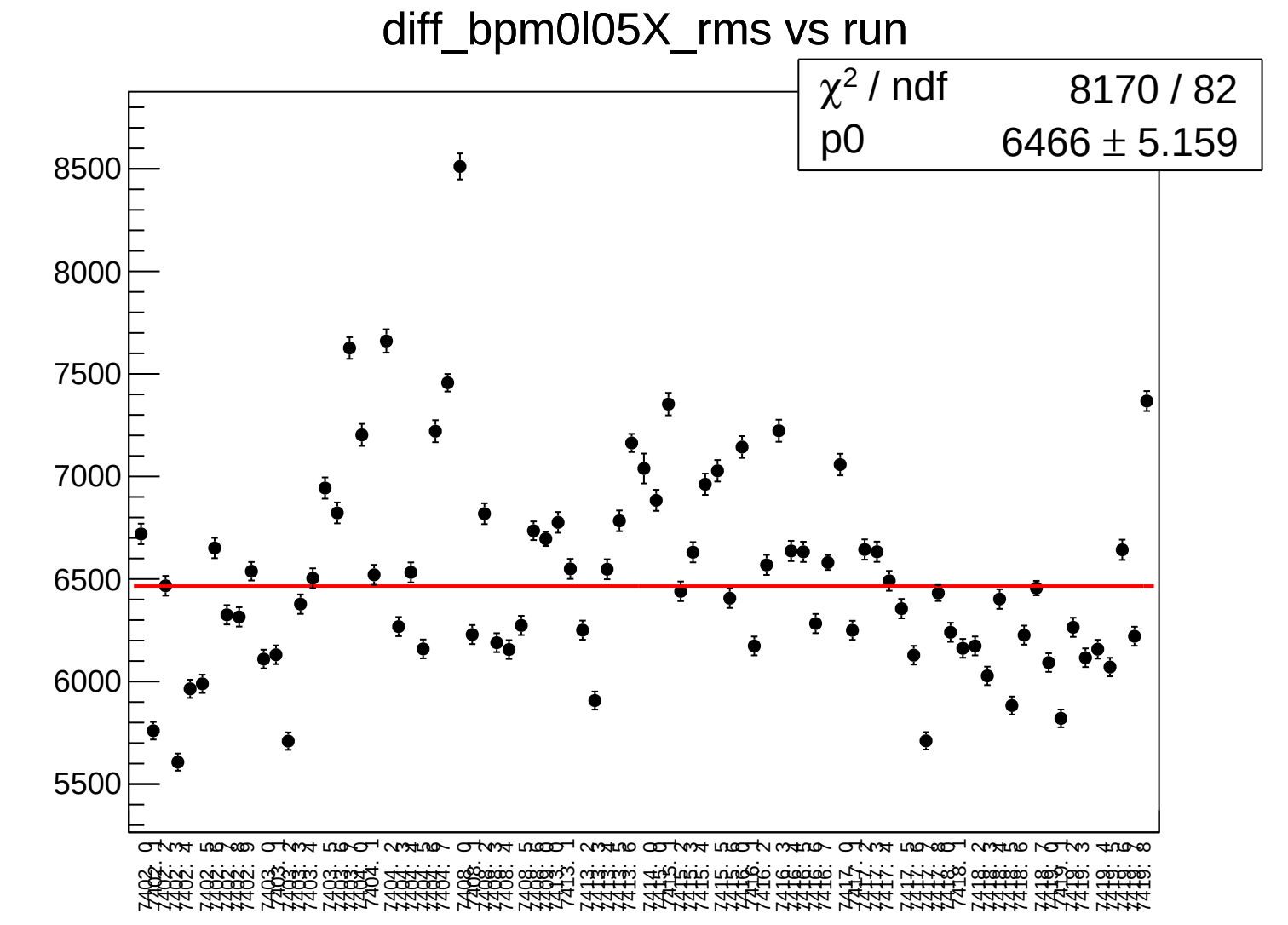

diff_bpm0l04Y_mean vs run
χ² / ndf 73.88 / 82
p0 3.154 ± 1.551
pull
Entries 83
Mean −74.47
Std Dev 0

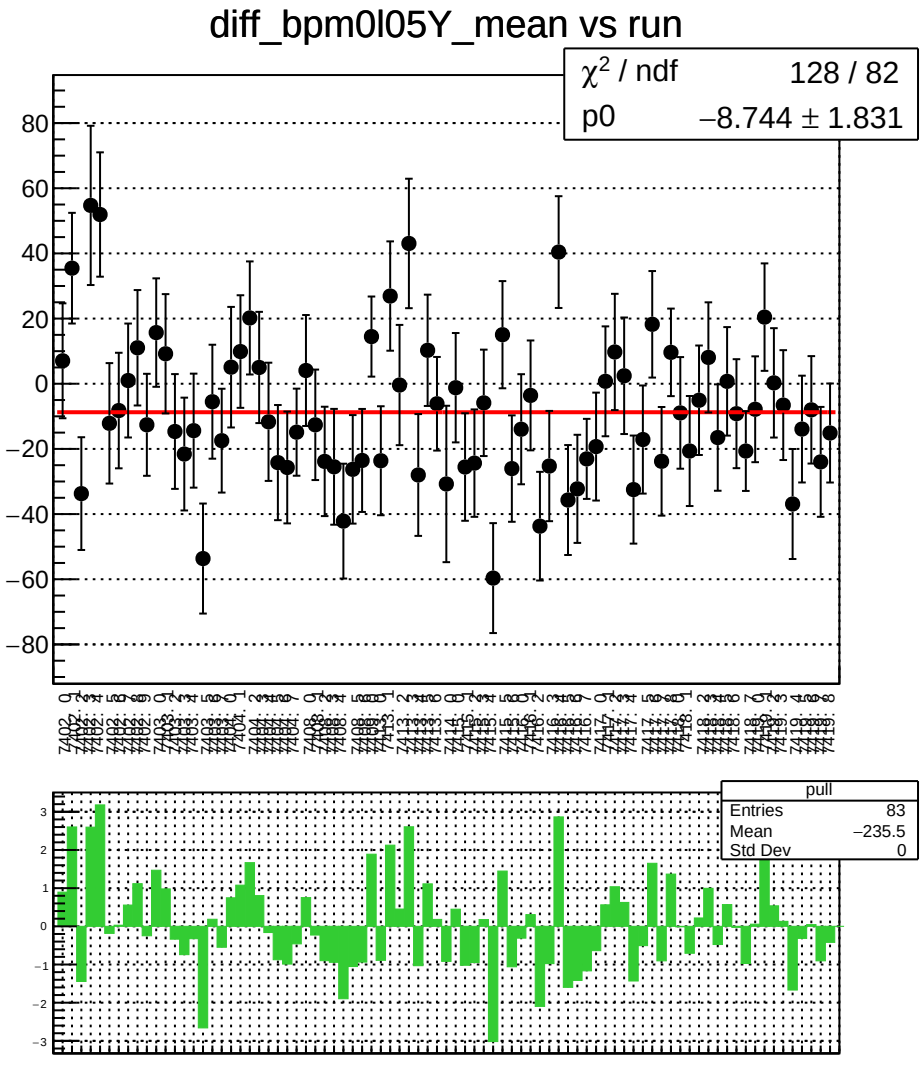

pull1D
Entries 83
Mean −0.01734
Std Dev 0.9433

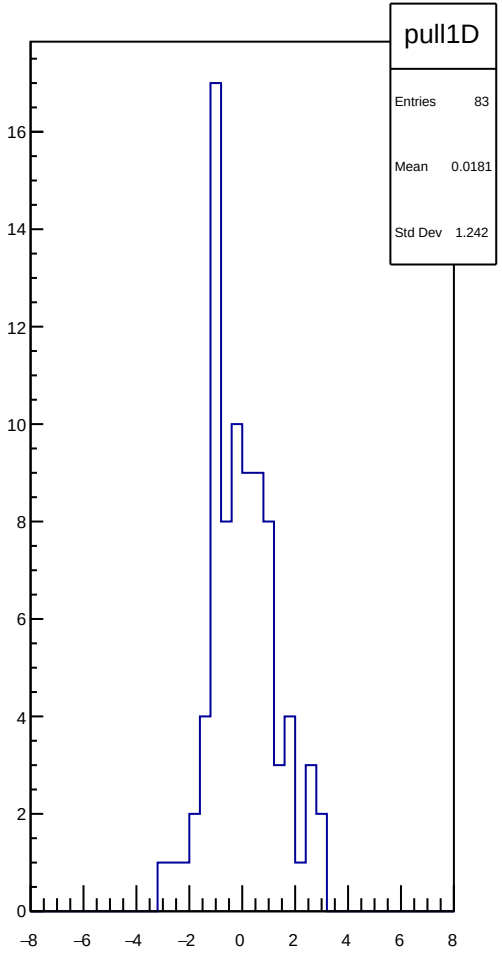

diff_bpm0l04Y_rms vs run
χ^2 / ndf 4086 / 82
p0 1376 ± 1.097
2000
1900
1800
1700
1600
1500
1400
1300

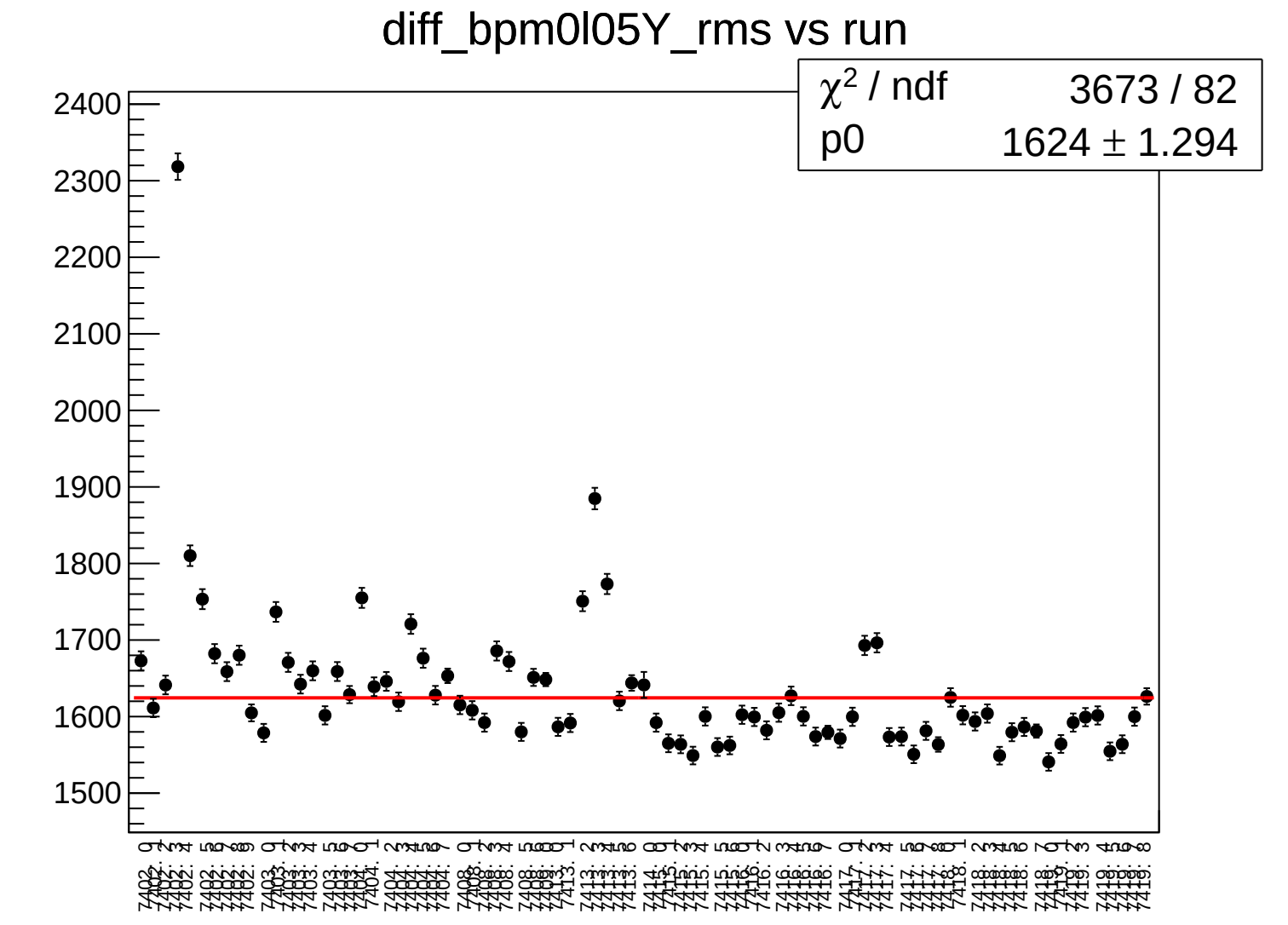

diff_bpm0l05X_mean vs run
χ^2 / ndf 71.58 / 82
p0 −14.81± 7.296
200
100
0
−100
−200
pull
Entries 83
Mean 404.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

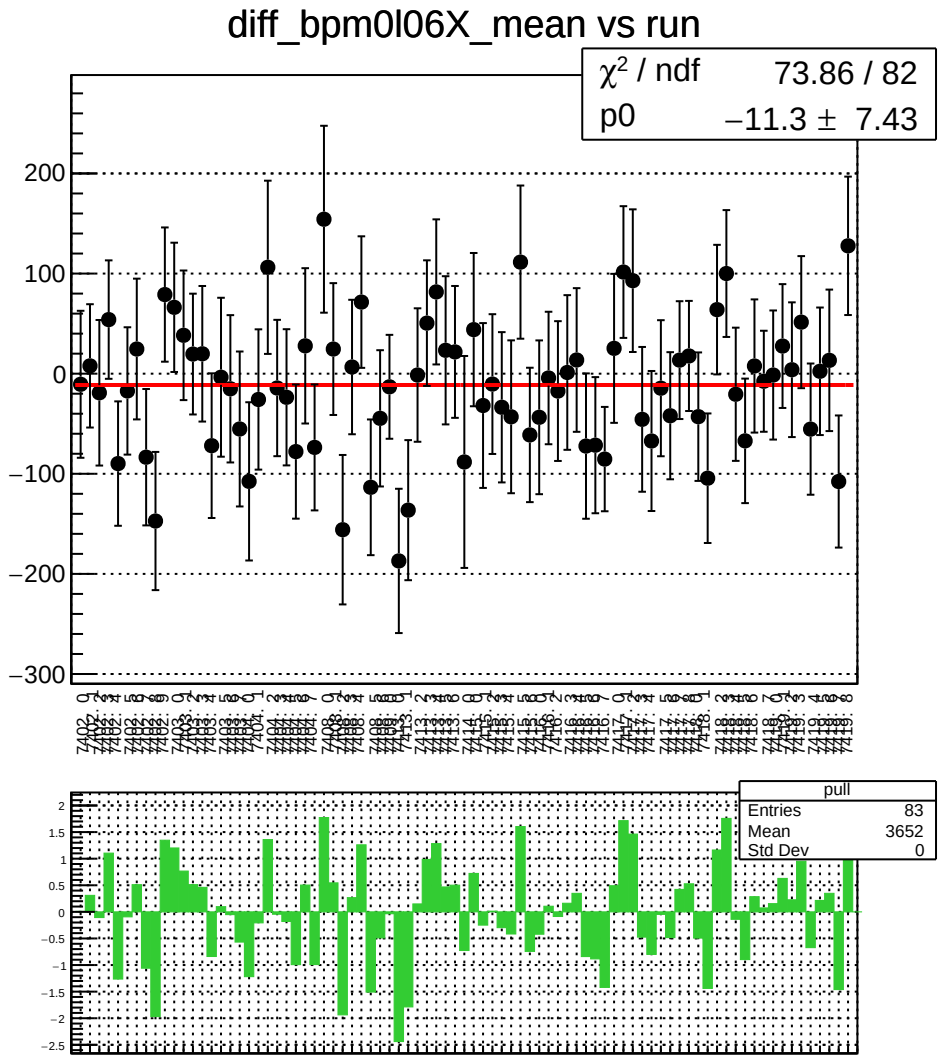

pull1D
Entries 83
Mean 0.002898
Std Dev 0.9287
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

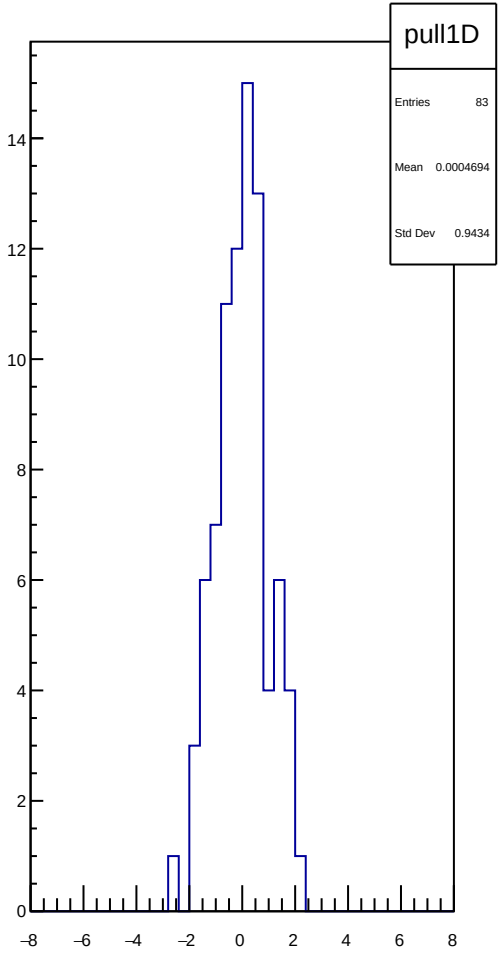

diff_bpm0l05X_rms vs run
χ^2 / ndf 8170 / 82
p0 6466 ± 5.159
8500
8000
7500
7000
6500
6000
5500

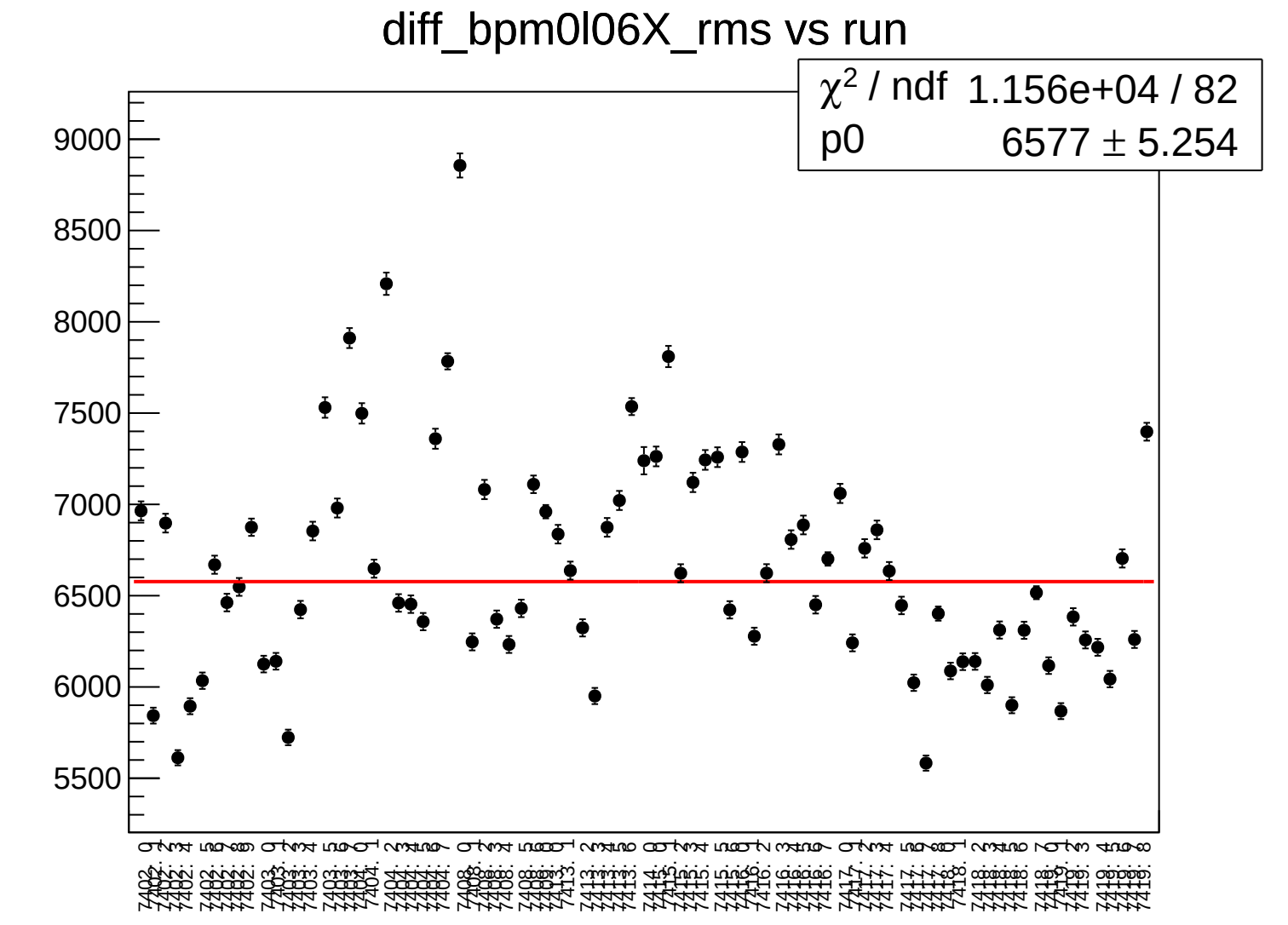

diff_bpm0l05Y_mean vs run
χ² / ndf 128 / 82
p0 −8.744 ± 1.831
pull
Entries 83
Mean −235.5
Std Dev 0

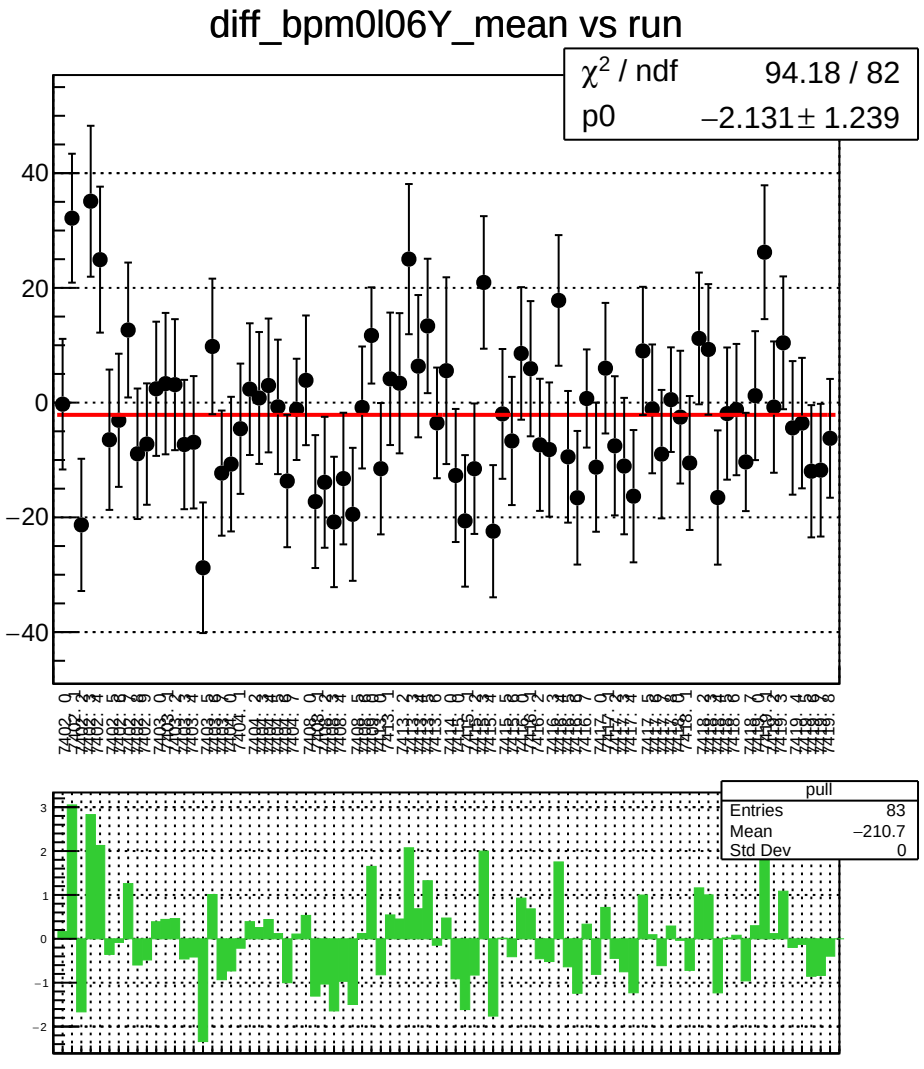

pull1D
Entries 83
Mean 0.0181
Std Dev 1.242

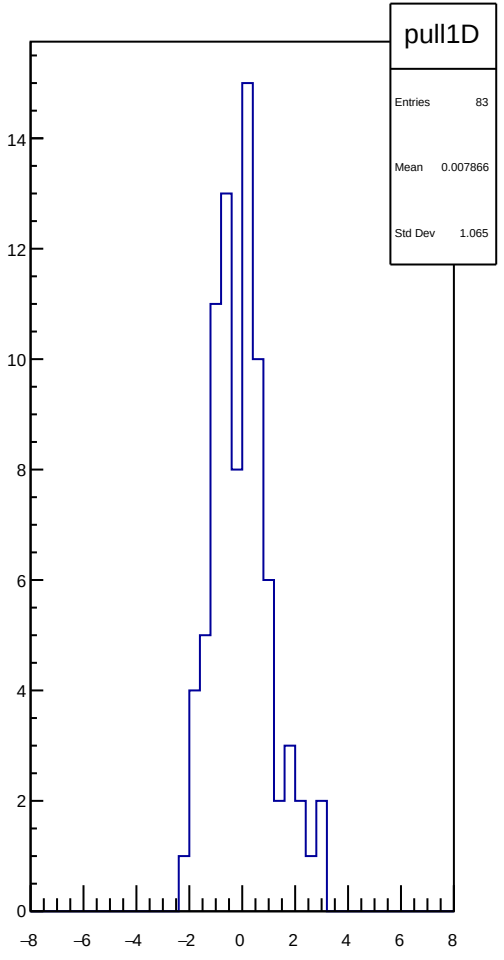

diff_bpm0l05Y_rms vs run
χ^2 / ndf 3673 / 82
p0 1624 ± 1.294
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

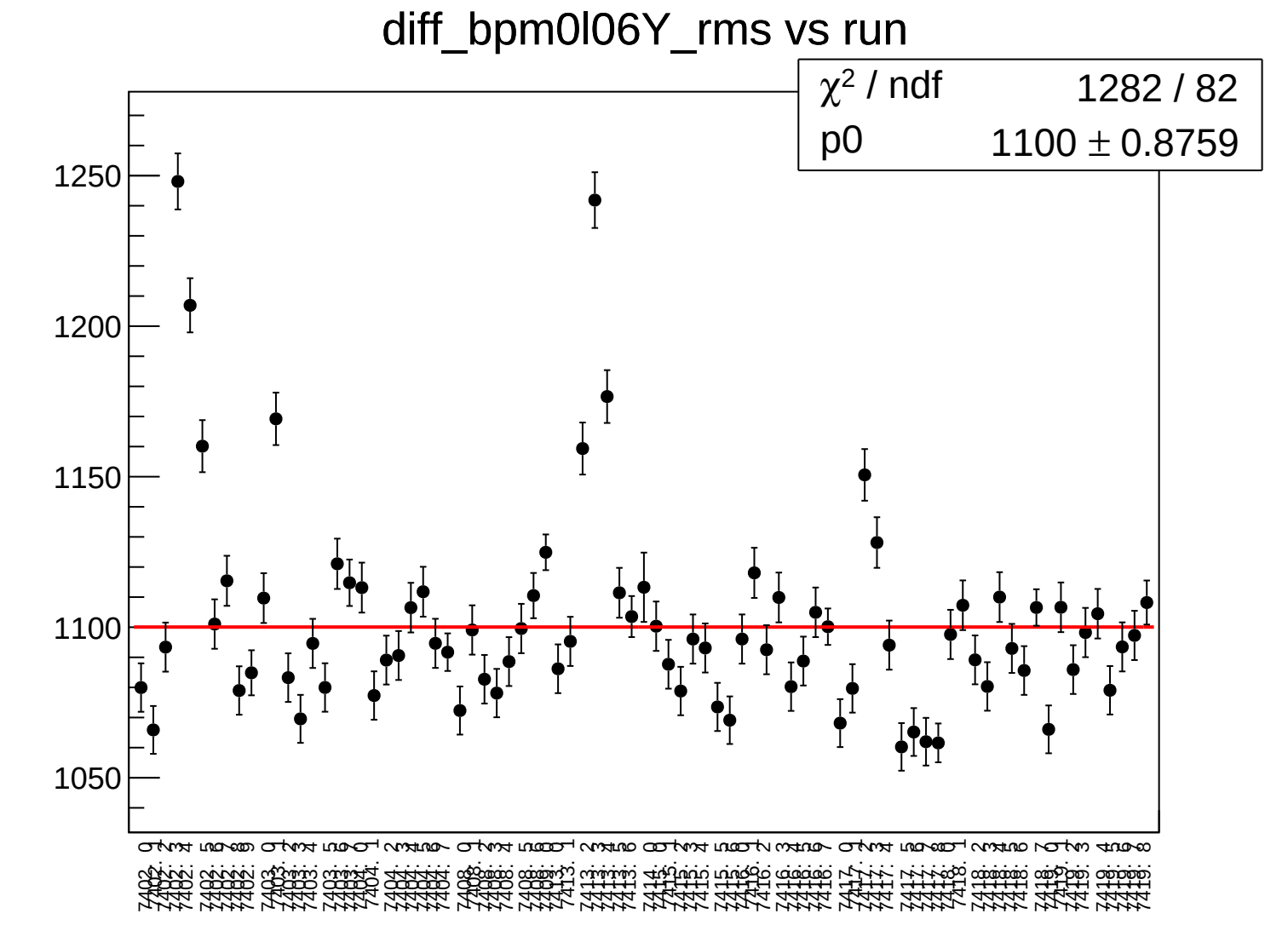

diff_bpm0l06X_mean vs run
χ² / ndf 73.86 / 82
p0 −11.3 ± 7.43
pull
Entries 83
Mean 3652
Std Dev 0

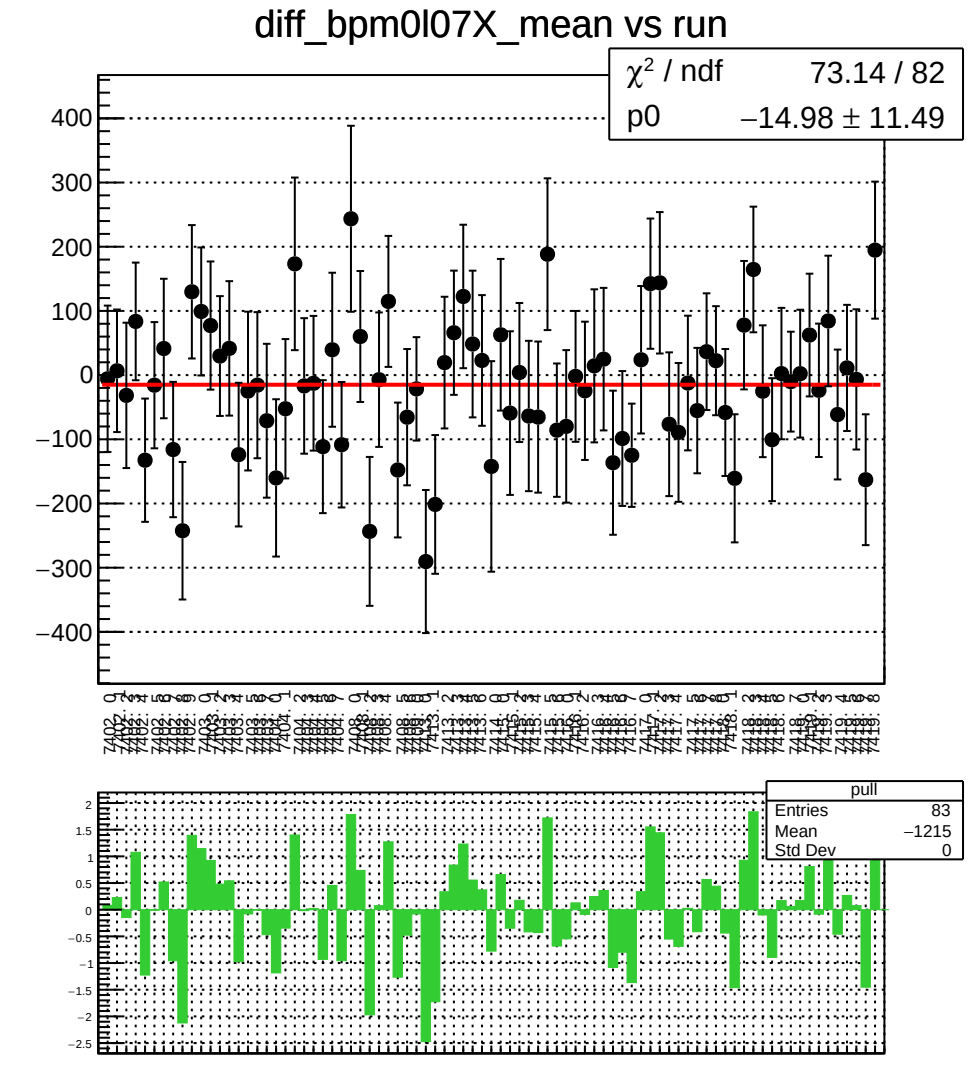

pull1D
Entries 83
Mean 0.0004694
Std Dev 0.9434

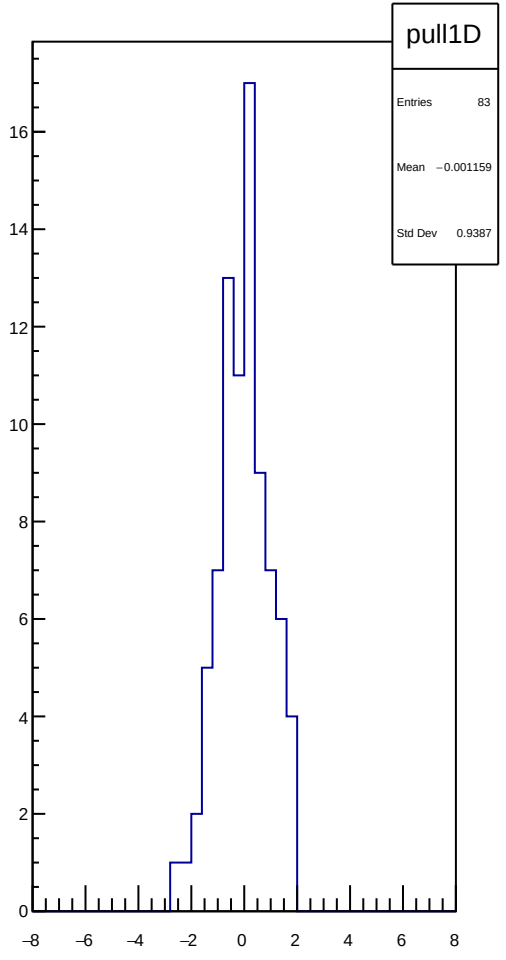

diff_bpm0l06X_rms vs run
χ^2 / ndf 1.156e+04 / 82
p0 6577 ± 5.254
9000
8500
8000
7500
7000
6500
6000
5500

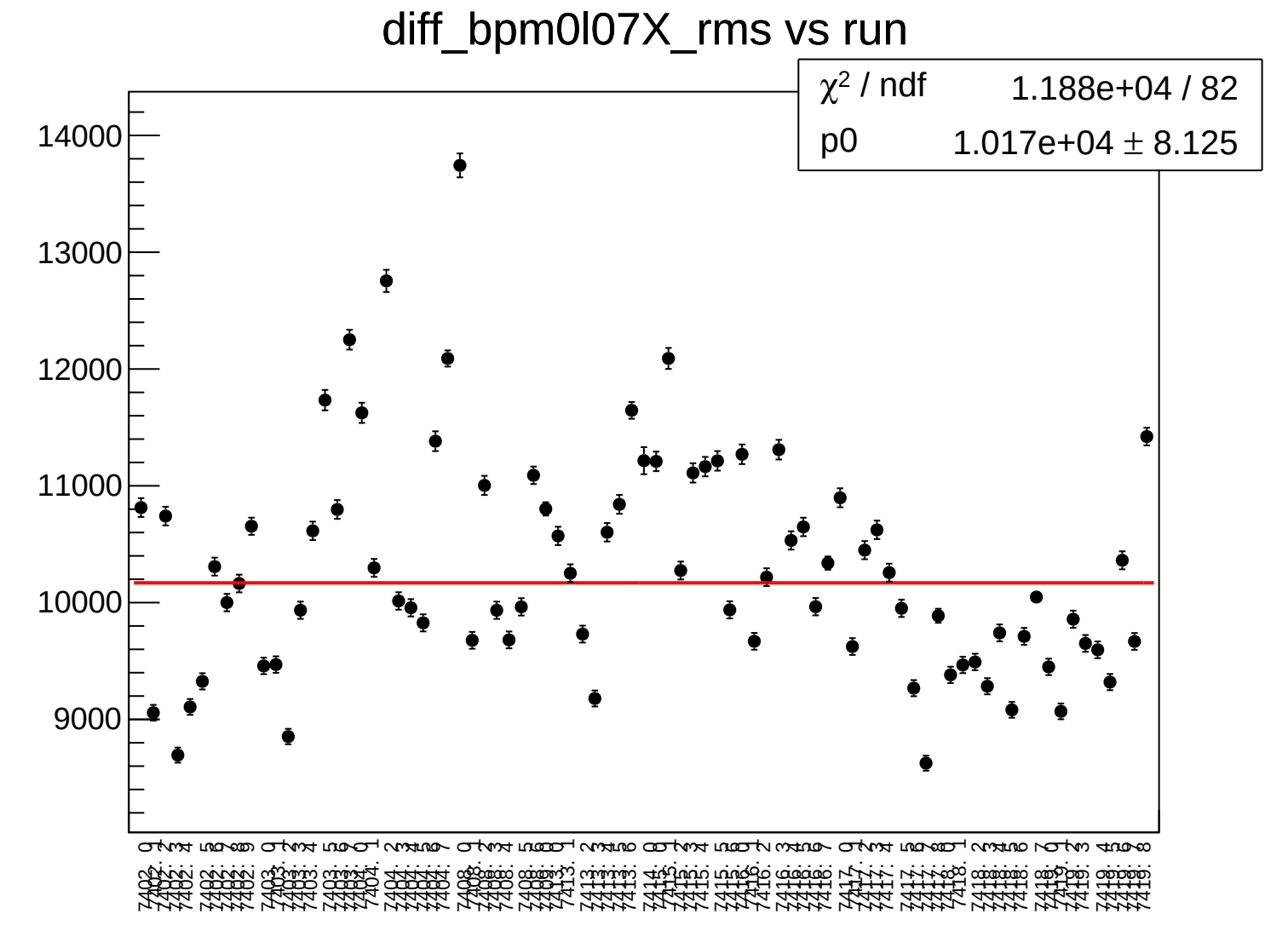

diff_bpm0l06Y_mean vs run
χ² / ndf 94.18 / 82
p0 −2.131 ± 1.239
pull
Entries 83
Mean −210.7
Std Dev 0

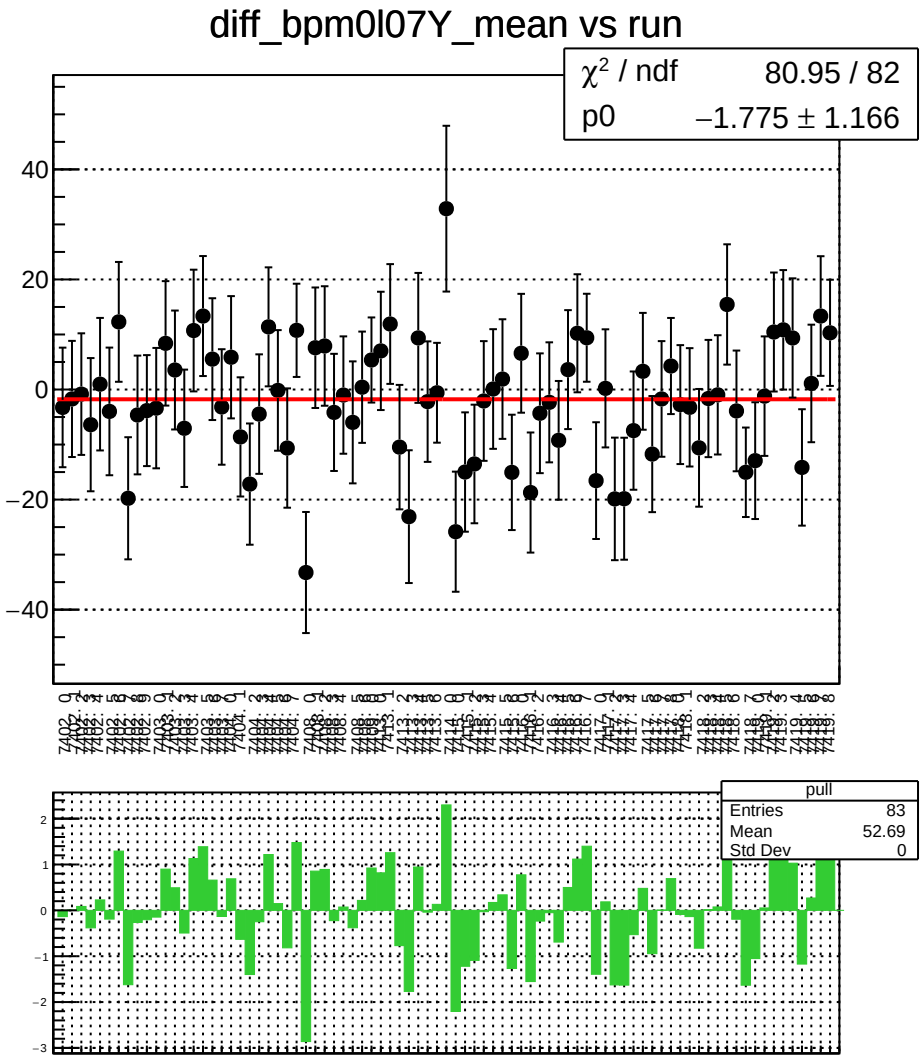

pull1D
Entries 83
Mean 0.007866
Std Dev 1.065

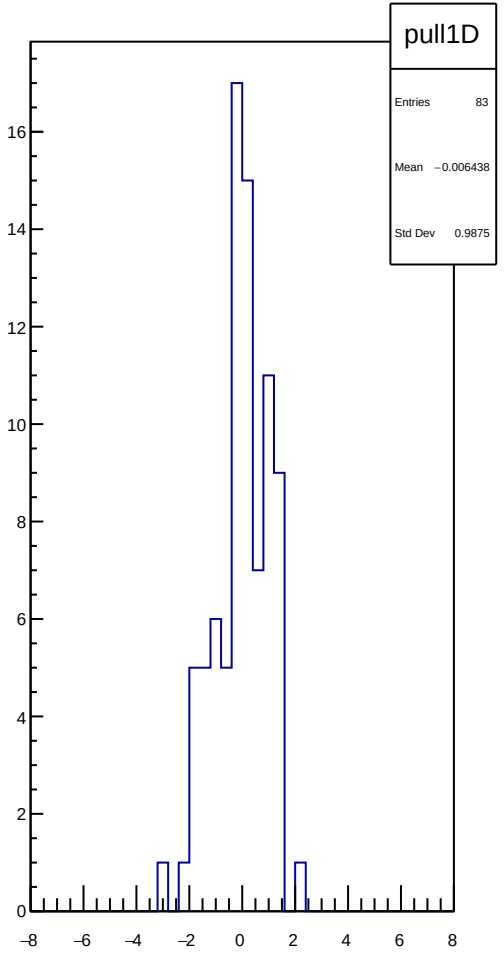

diff_bpm0l06Y_rms vs run
χ² / ndf 1282 / 82
p0 1100 ± 0.8759
1250
1200
1150
1100
1050

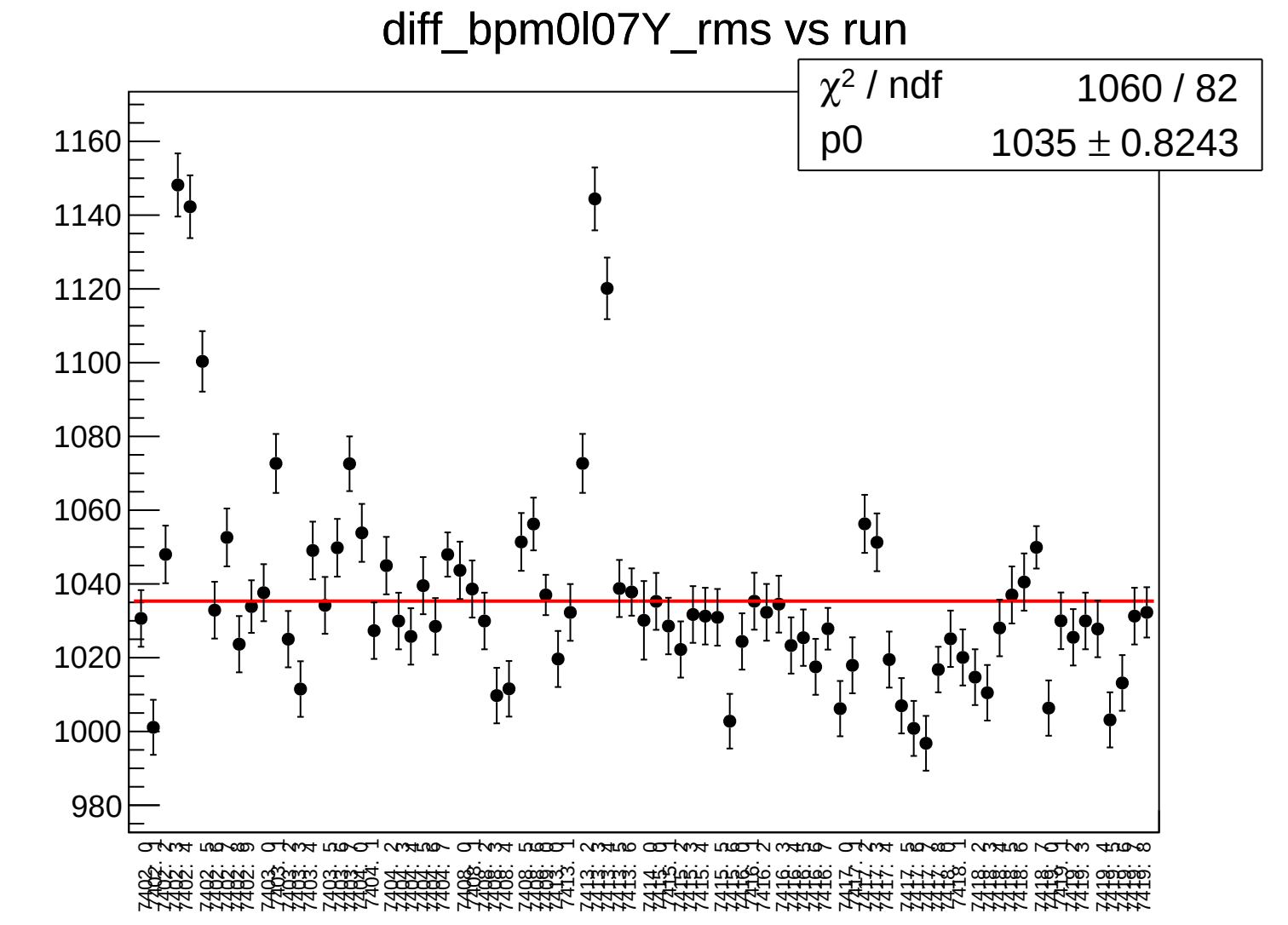

diff_bpm0l07X_mean vs run
χ² / ndf 73.14 / 82
p0 −14.98 ± 11.49
pull
Entries 83
Mean −1215
Std Dev 0

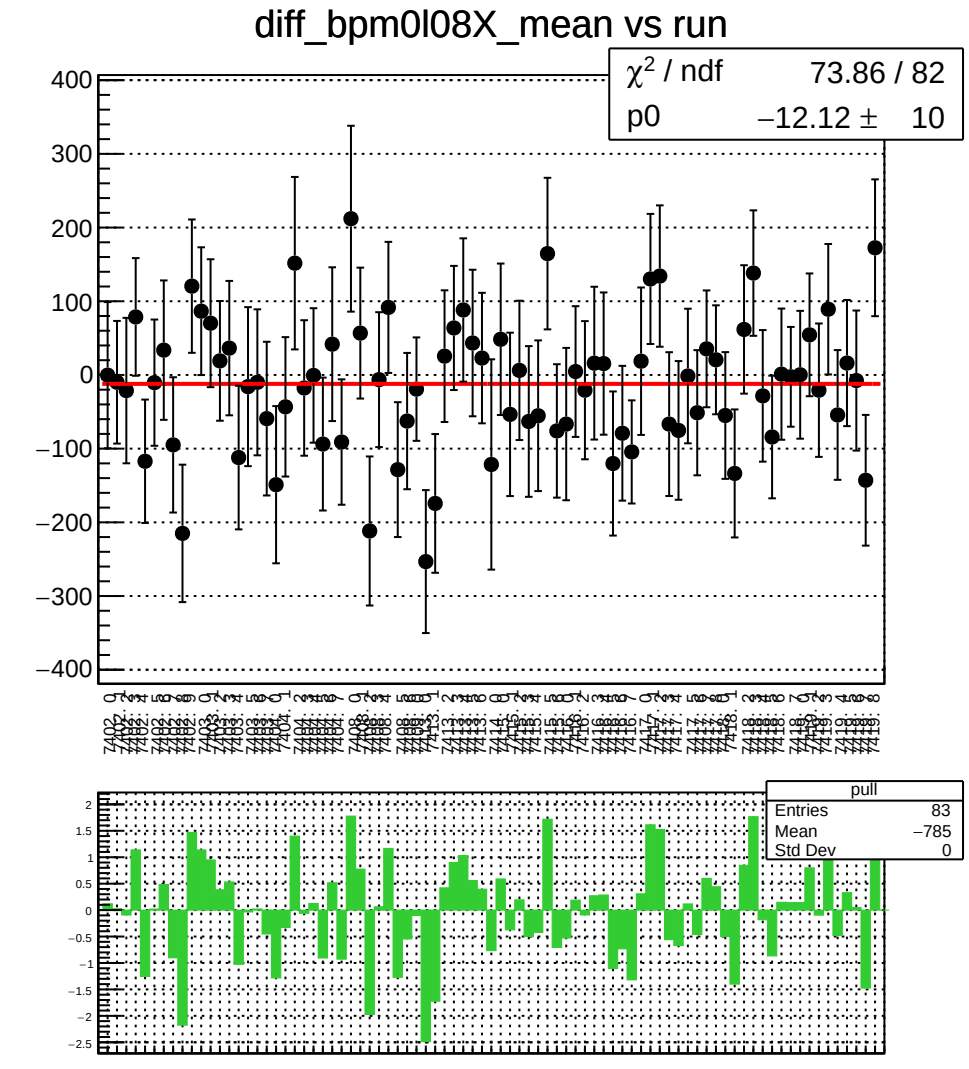

pull1D
Entries 83
Mean −0.001159
Std Dev 0.9387

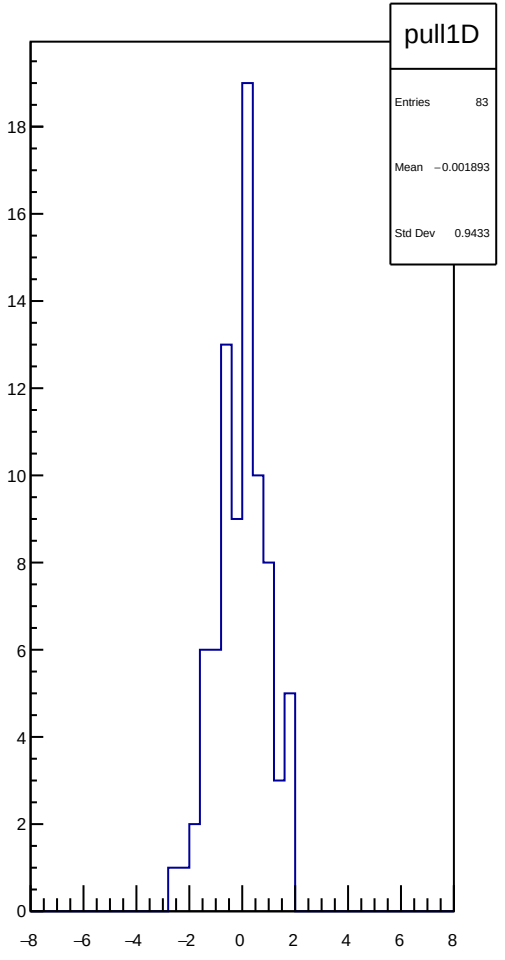

diff_bpm0l07X_rms vs run
χ² / ndf 1.188e+04 / 82
p0 1.017e+04 ± 8.125
14000
13000
12000
11000
10000
9000

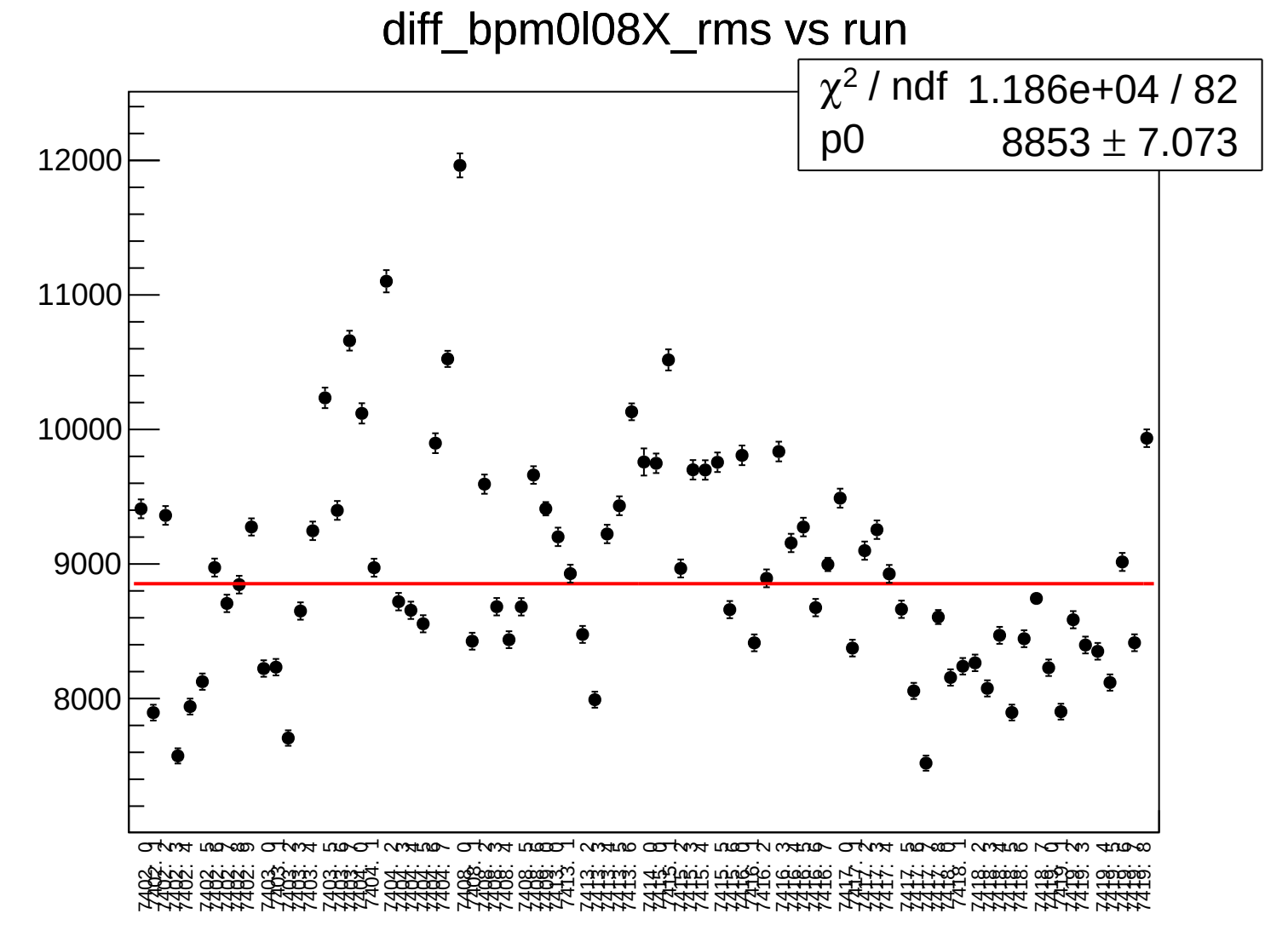

diff_bpm0l07Y_mean vs run
χ² / ndf 80.95 / 82
p0 −1.775 ± 1.166
pull
Entries 83
Mean 52.69
Std Dev 0

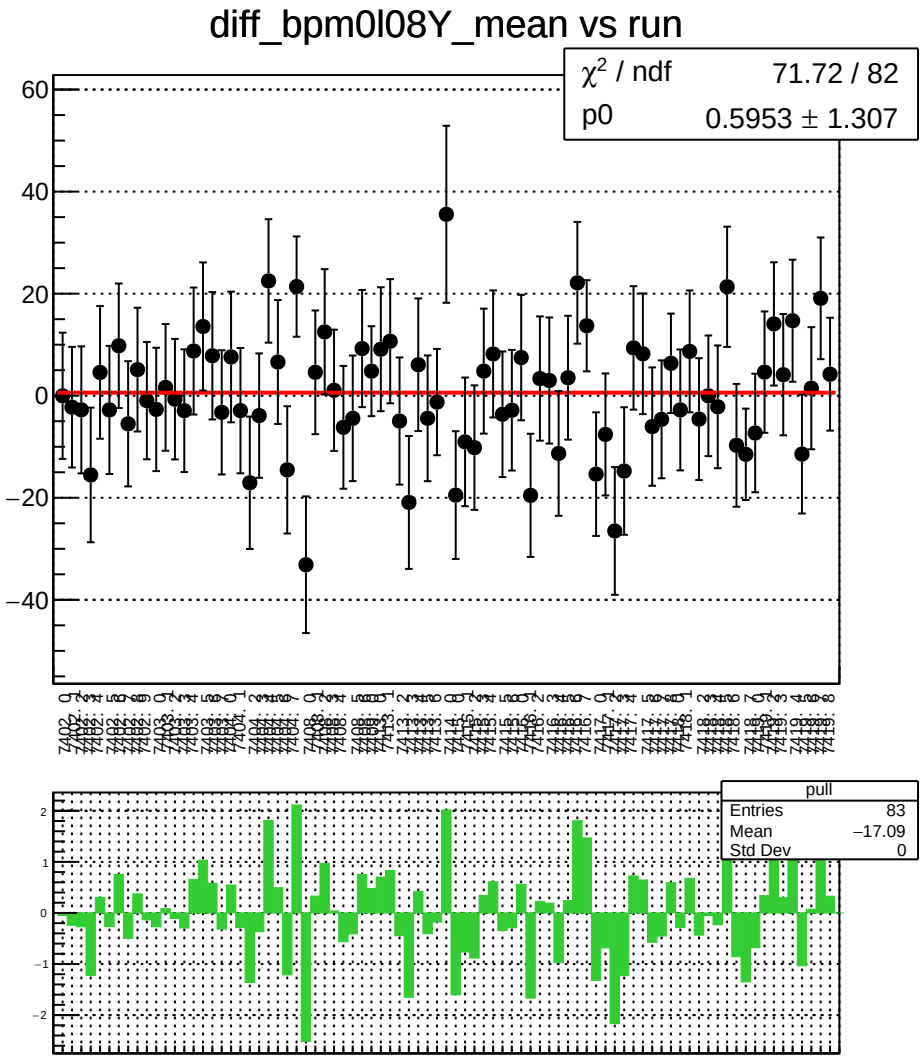

pull1D
Entries 83
Mean −0.006438
Std Dev 0.9875

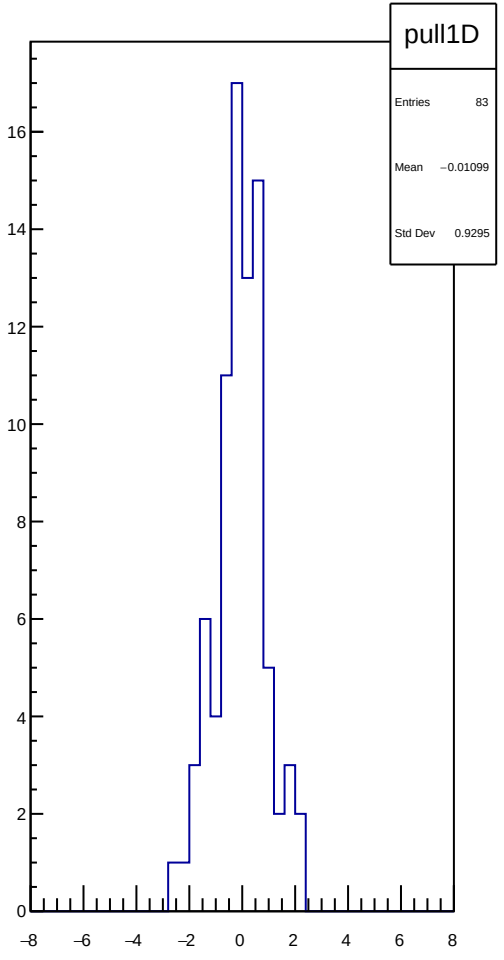

diff_bpm0l07Y_rms vs run
χ² / ndf 1060 / 82
p0 1035 ± 0.8243
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

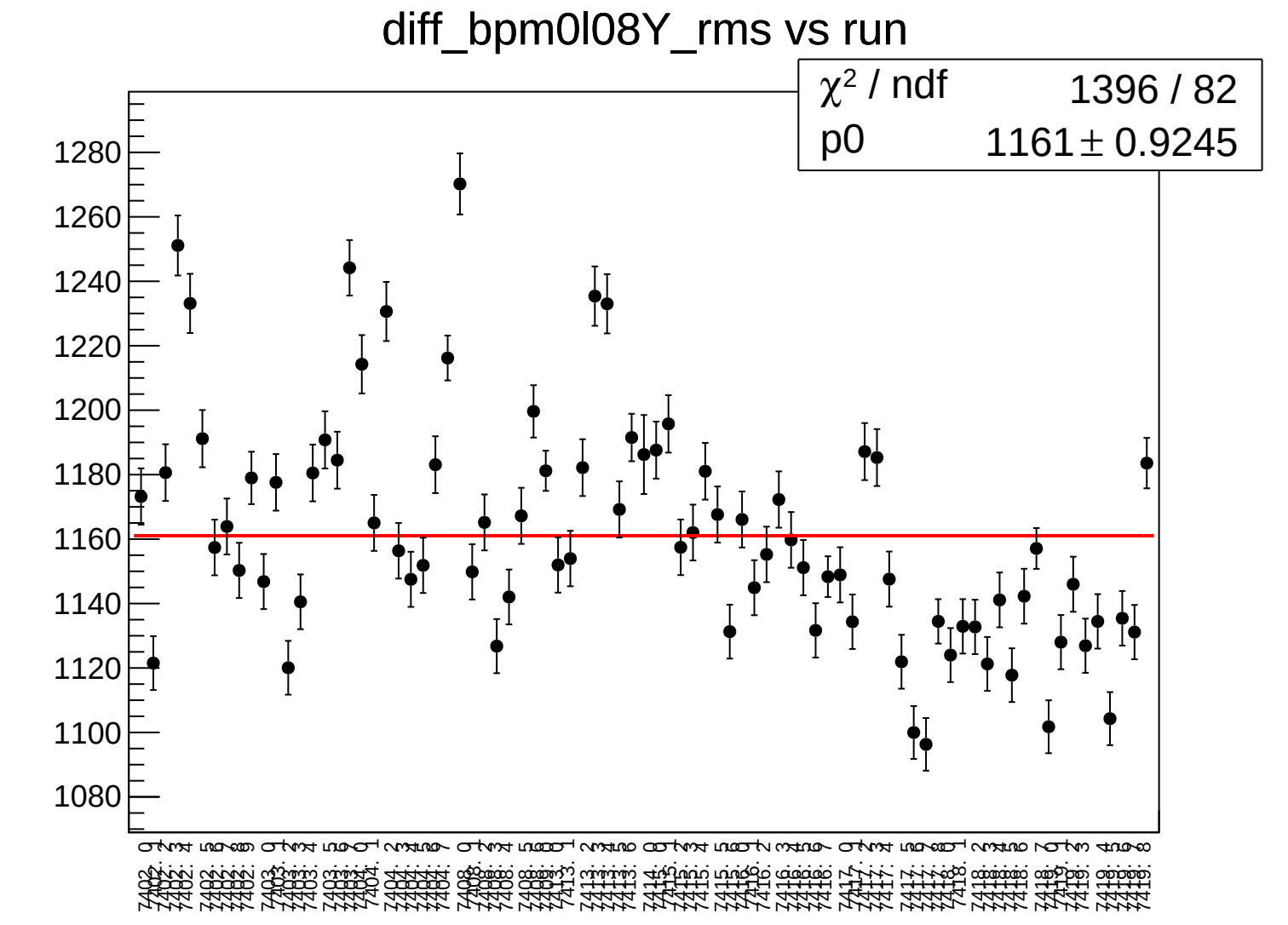

diff_bpm0l08X_mean vs run
χ² / ndf 73.86 / 82
p0 −12.12 ± 10
pull
Entries 83
Mean −785
Std Dev 0

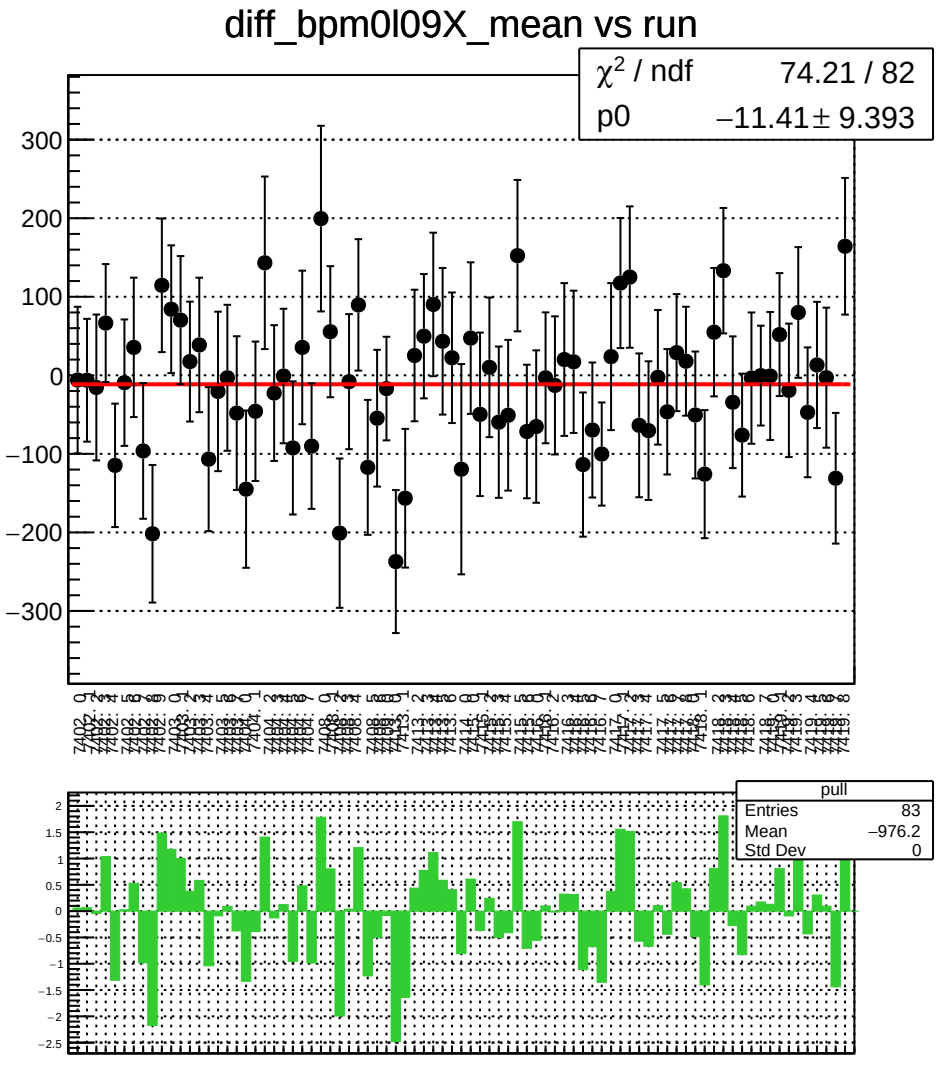

pull1D
Entries 83
Mean −0.001893
Std Dev 0.9433

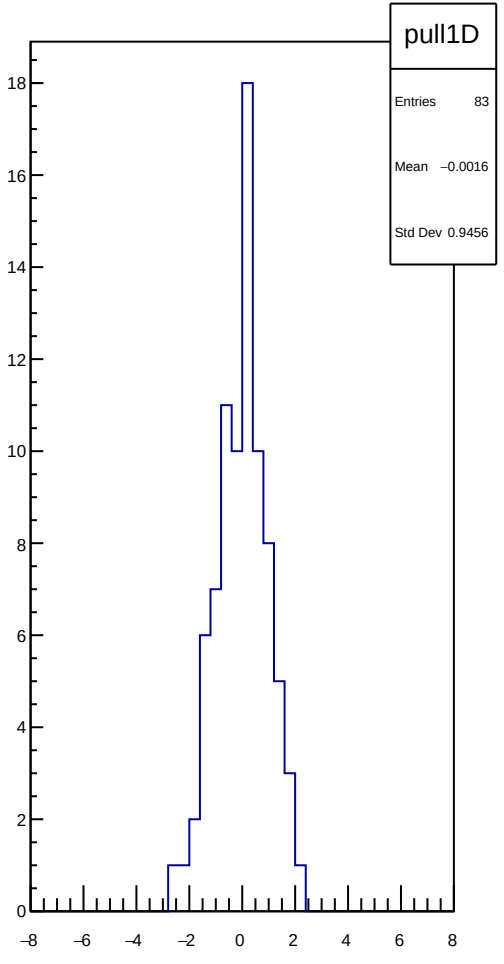

diff_bpm0l08X_rms vs run
χ² / ndf 1.186e+04 / 82
p0 8853 ± 7.073
12000
11000
10000
9000
8000

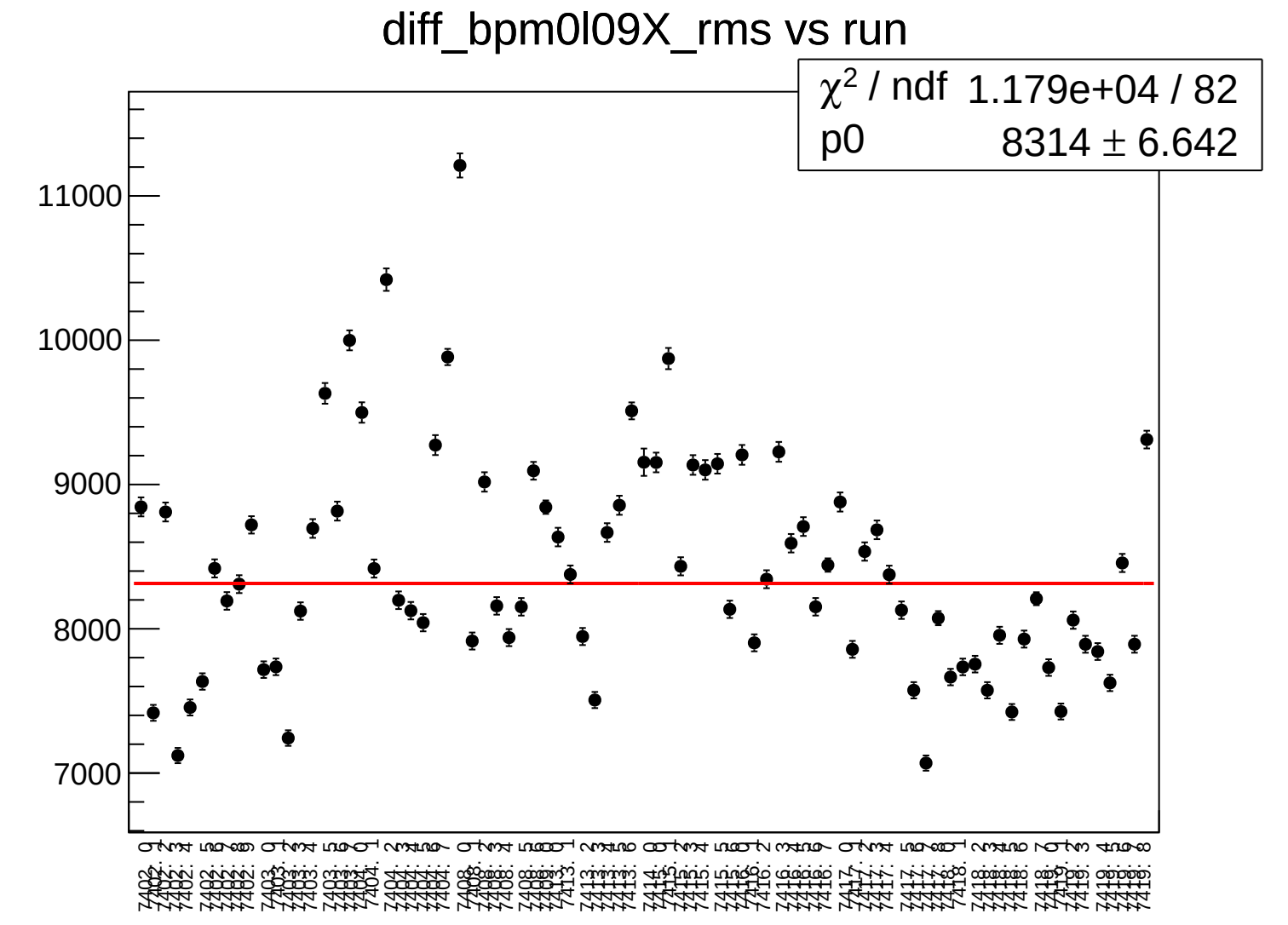

diff_bpm0l08Y_mean vs run
χ² / ndf 71.72 / 82
p0 0.5953 ± 1.307
pull
Entries 83
Mean −17.09
Std Dev 0

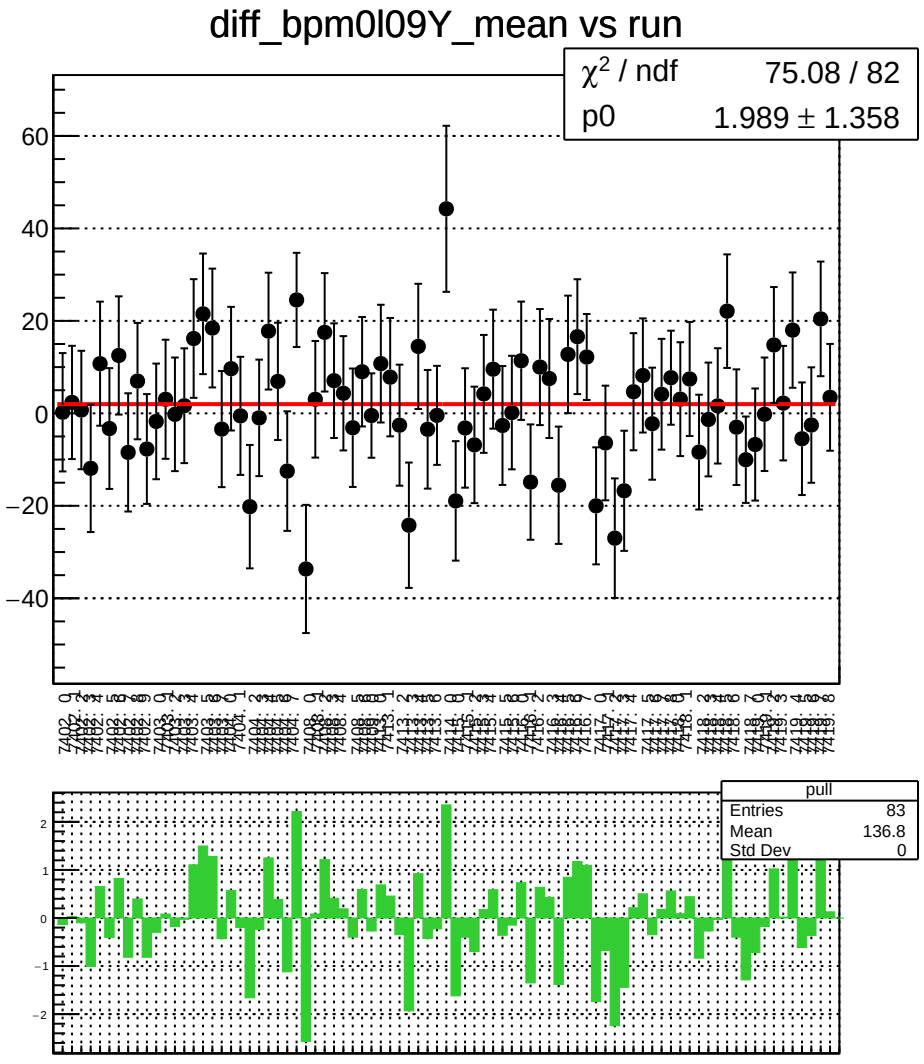

pull1D
Entries 83
Mean −0.01099
Std Dev 0.9295

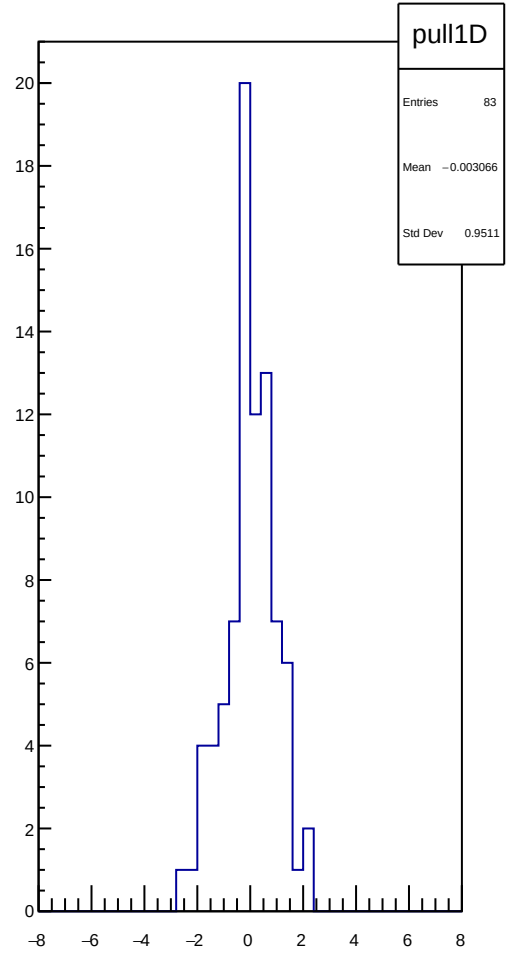

diff_bpm0l08Y_rms vs run
χ² / ndf 1396 / 82
p0 1161 ± 0.9245
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080

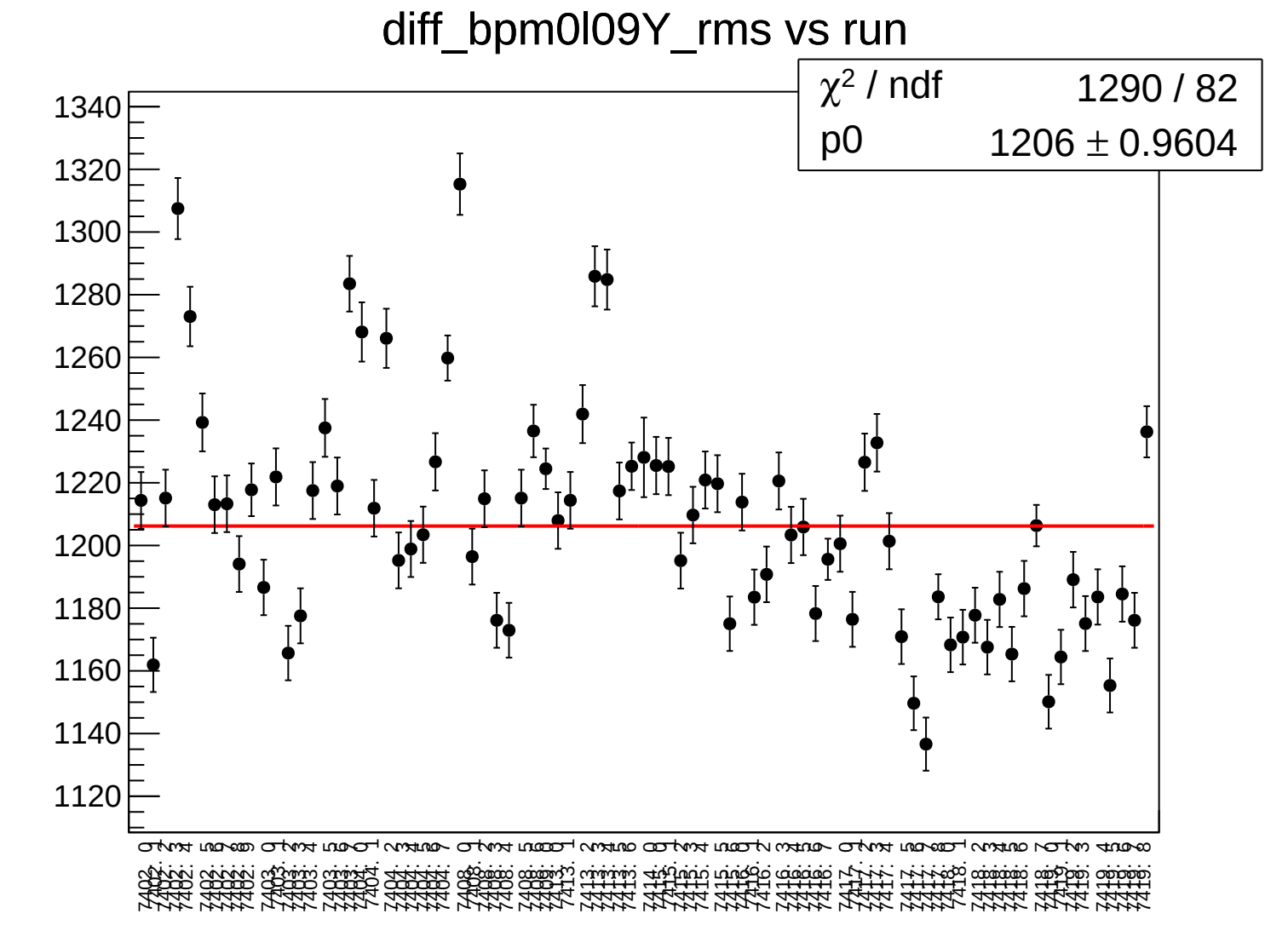

diff_bpm0l09X_mean vs run
χ² / ndf 74.21 / 82
p0 −11.41 ± 9.393
pull
Entries 83
Mean −976.2
Std Dev 0

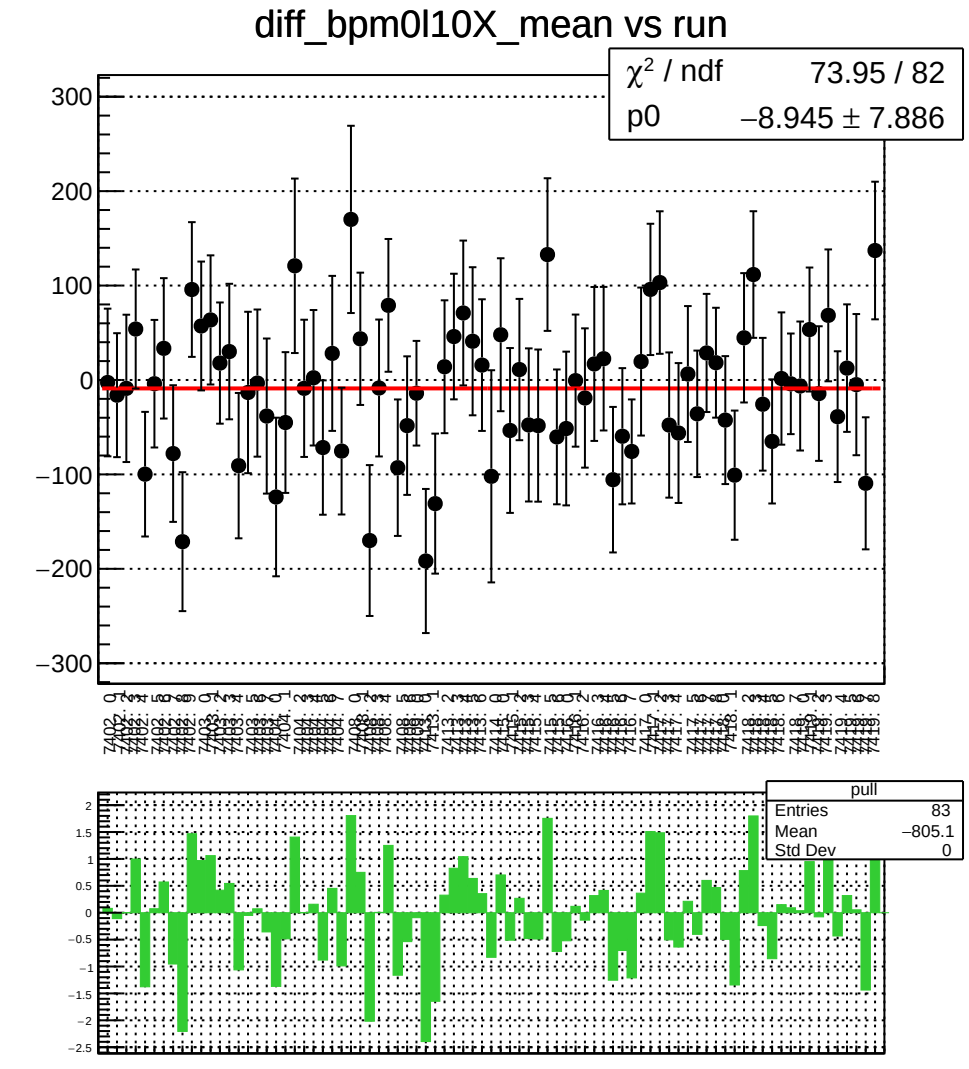

pull1D
Entries 83
Mean −0.0016
Std Dev 0.9456

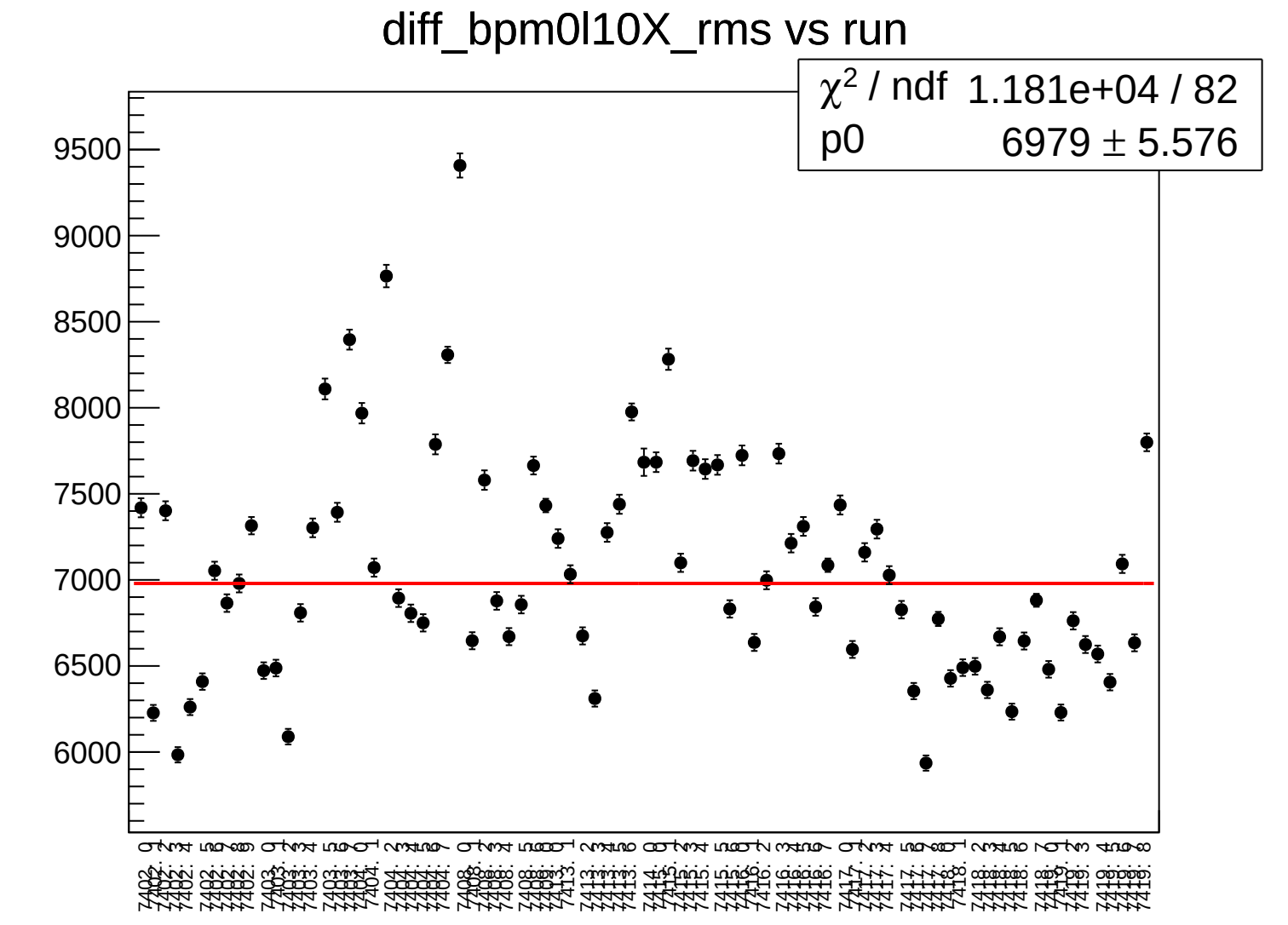

diff_bpm0l09X_rms vs run
χ² / ndf 1.179e+04 / 82
p0 8314 ± 6.642
11000
10000
9000
8000
7000

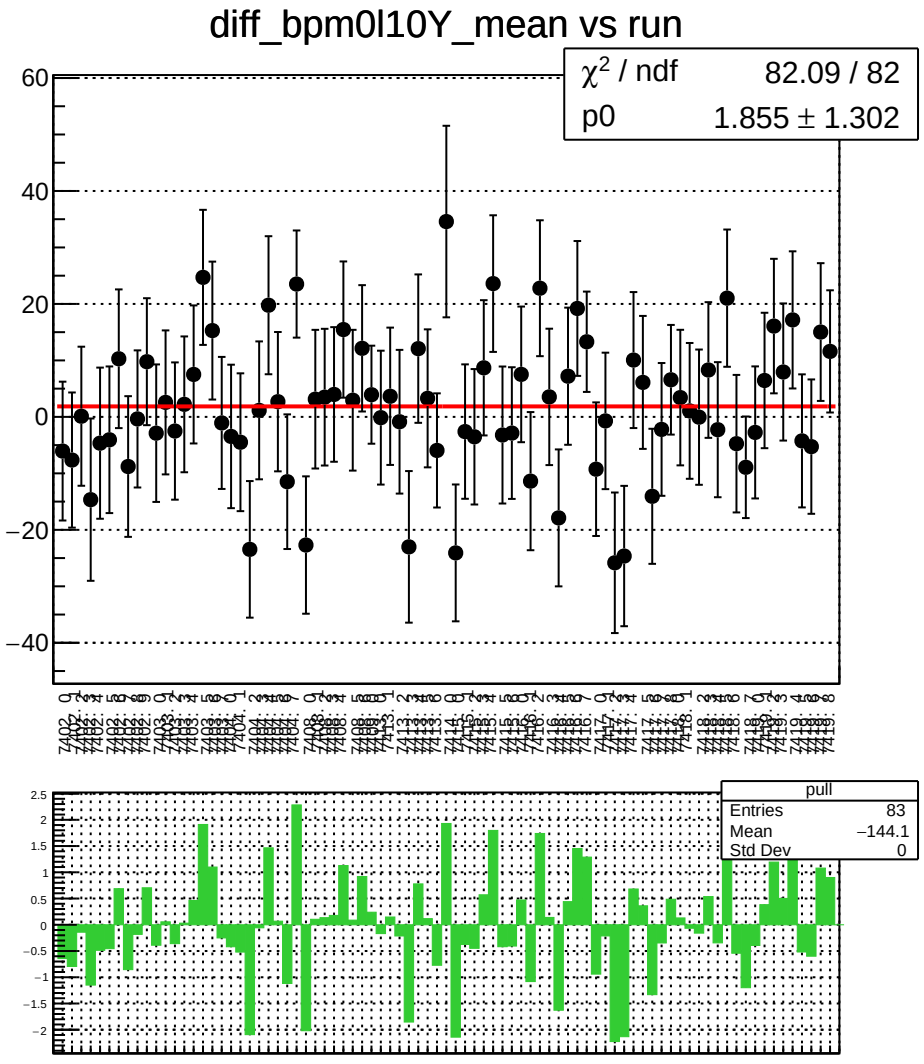

diff_bpm0l09Y_mean vs run
χ^2 / ndf 75.08 / 82
p0 1.989 ± 1.358
pull
Entries 83
Mean 136.8
Std Dev 0

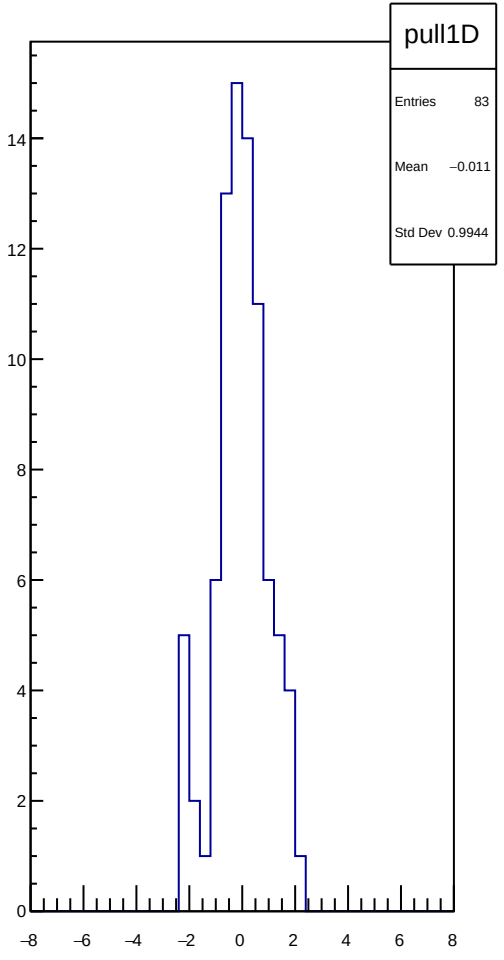

pull1D
Entries 83
Mean −0.003066
Std Dev 0.9511

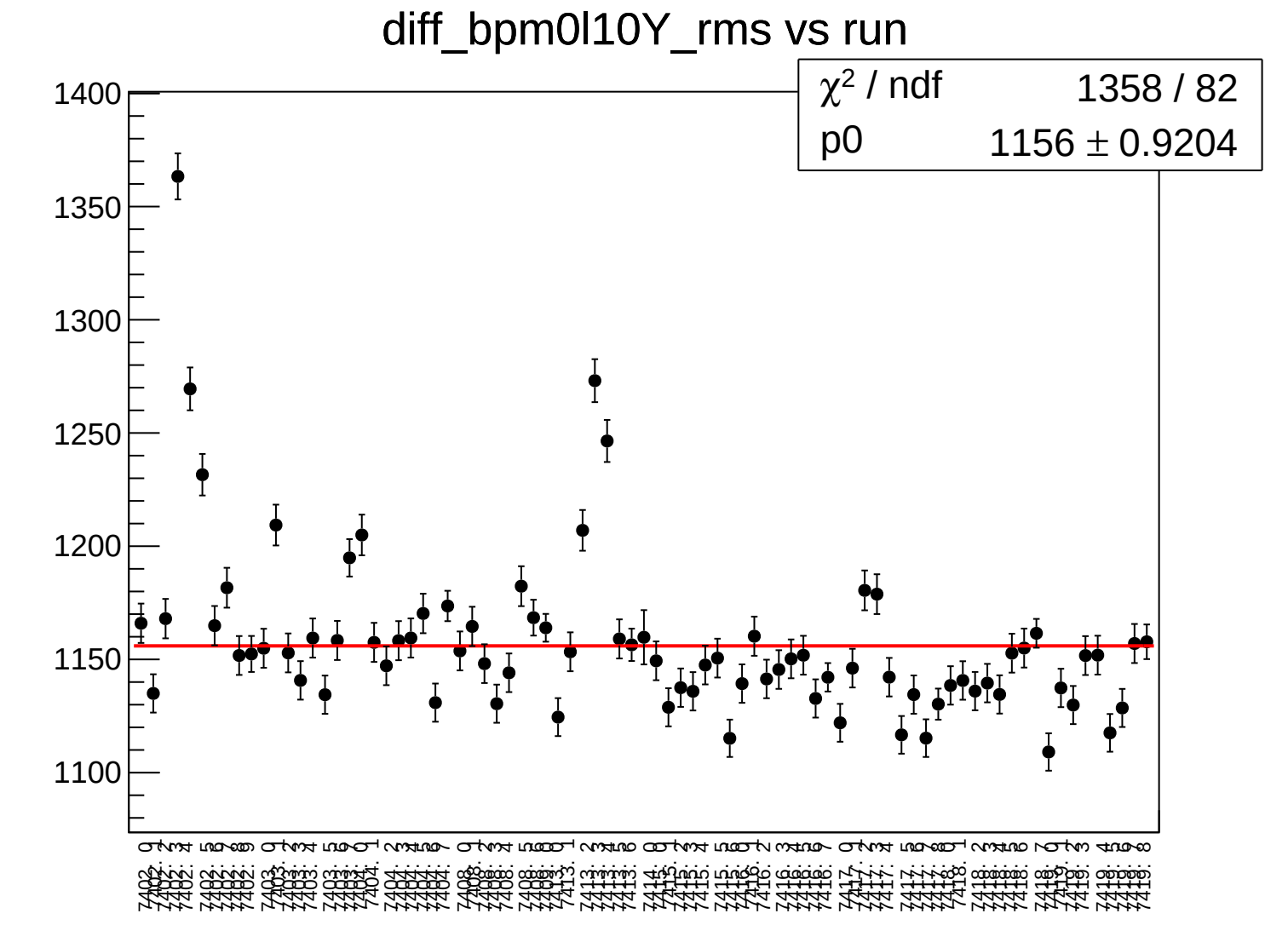

diff_bpm0l09Y_rms vs run
χ² / ndf 1290 / 82
p0 1206 ± 0.9604
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

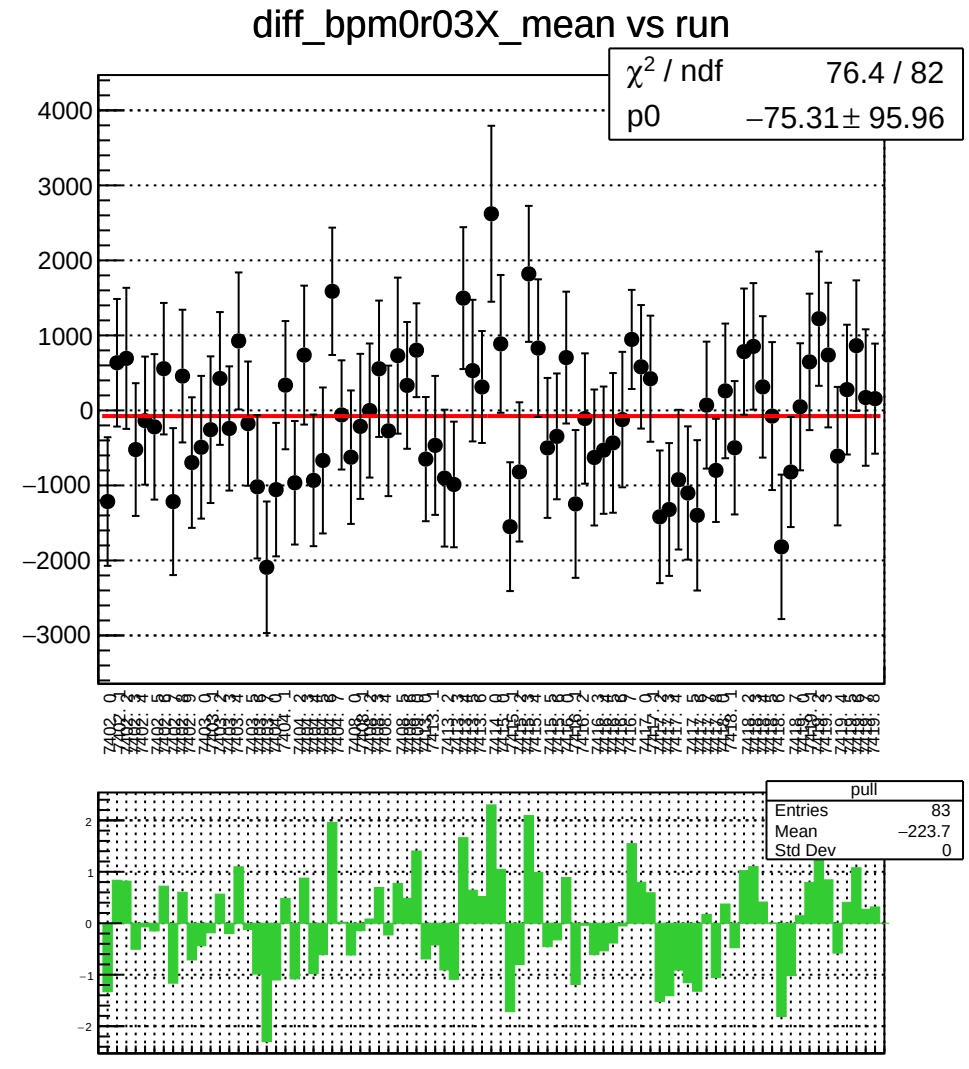

diff_bpm0l10X_mean vs run
χ² / ndf 73.95 / 82
p0 −8.945 ± 7.886
pull
Entries 83
Mean −805.1
Std Dev 0
pull1D
Entries 83
Mean −0.00214
Std Dev 0.9439

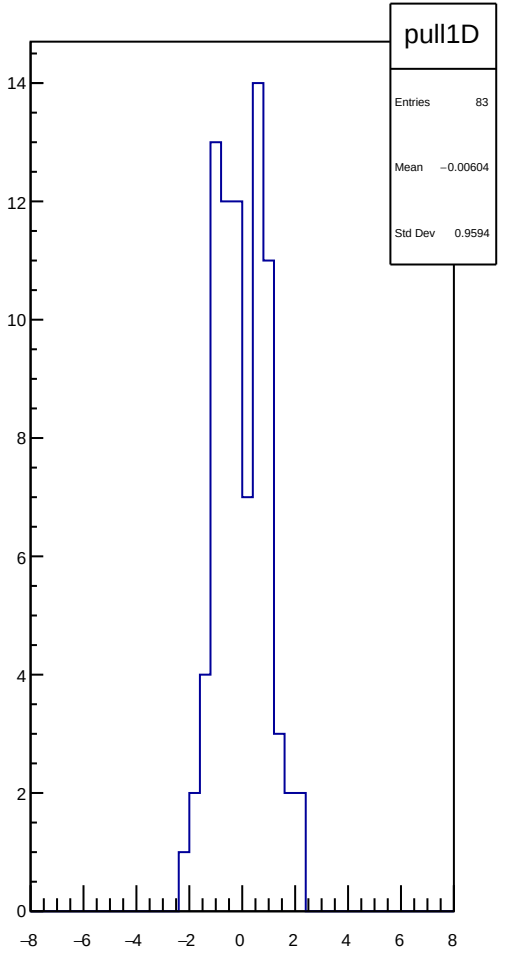

diff_bpm0l10X_rms vs run
χ^2 / ndf 1.181e+04 / 82
p0 6979 ± 5.576
9500
9000
8500
8000
7500
7000
6500
6000

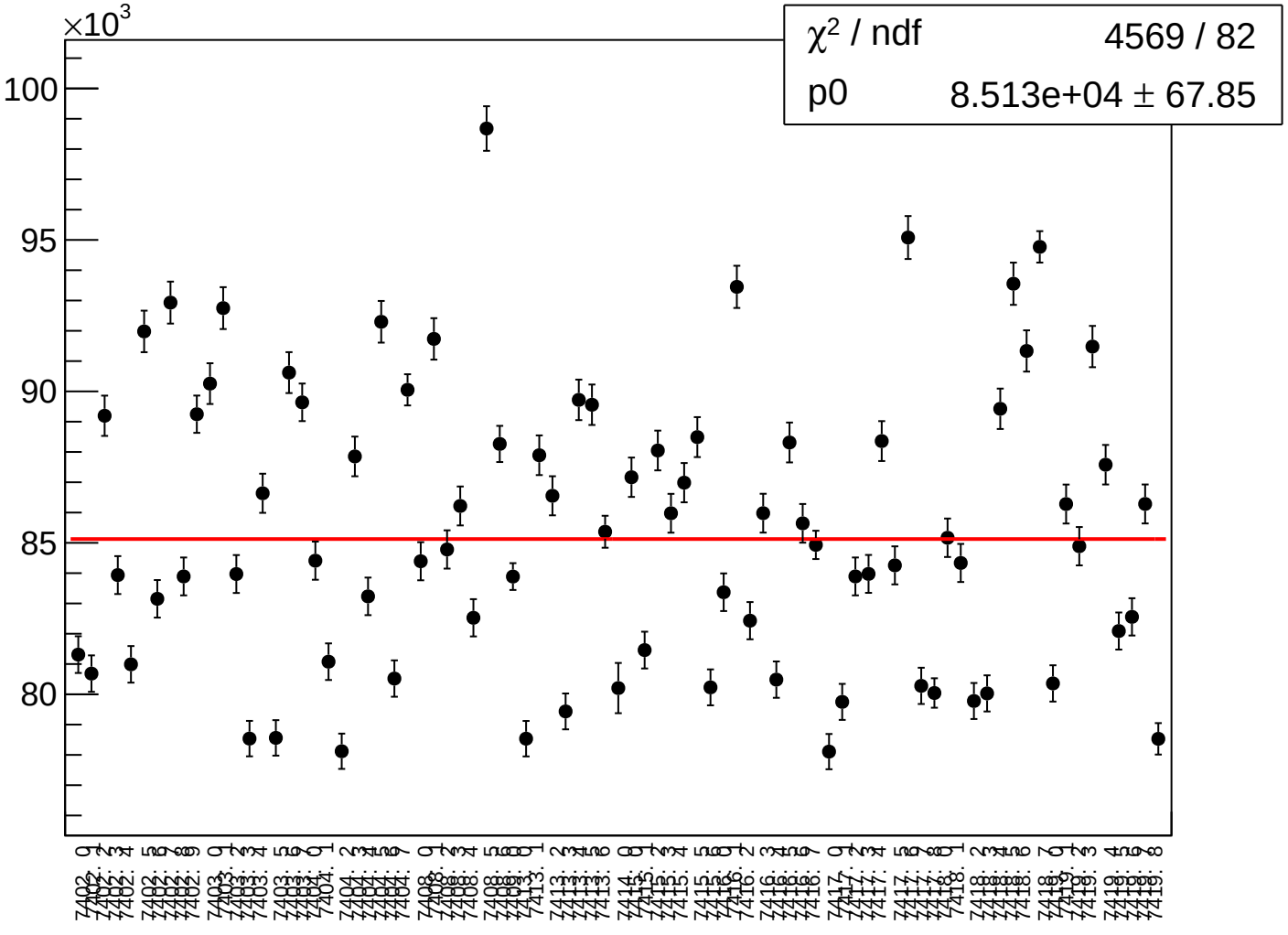

diff_bpm0l10Y_mean vs run
χ^2 / ndf 82.09 / 82
p0 1.855 ± 1.302
pull
Entries 83
Mean −144.1
Std Dev 0

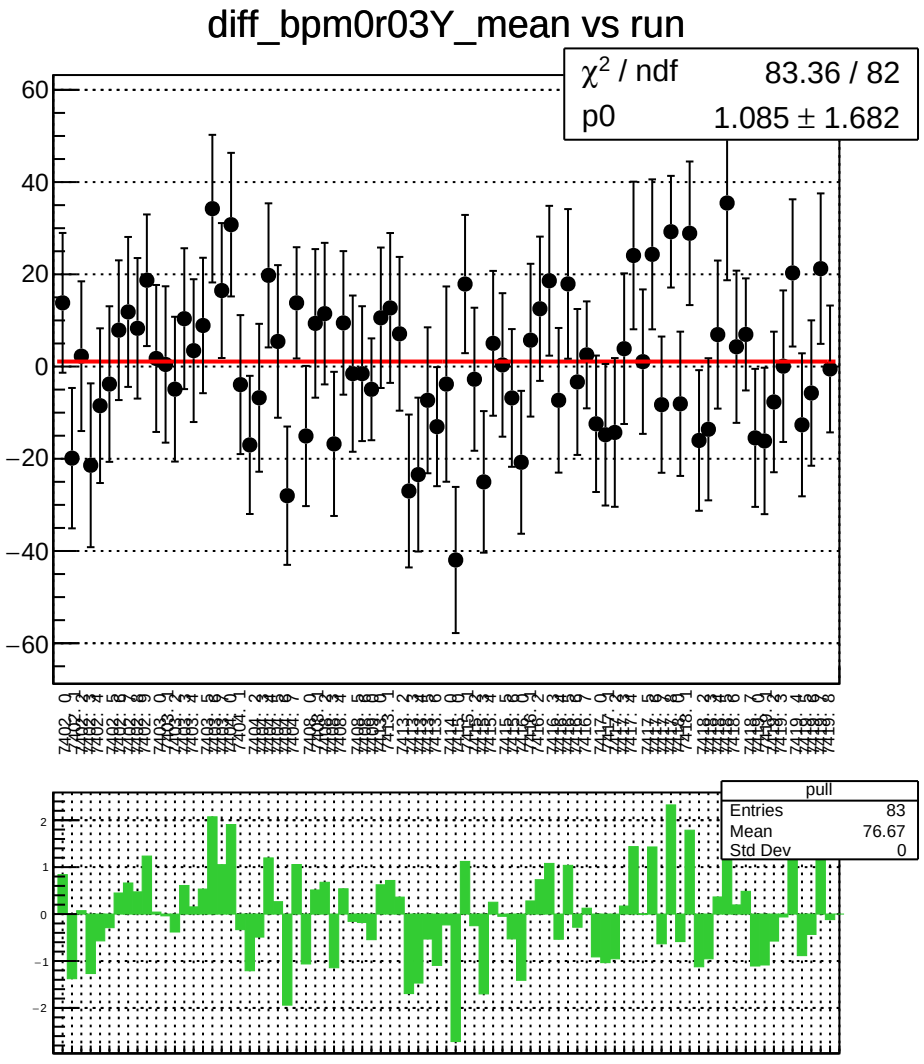

pull1D
Entries 83
Mean −0.011
Std Dev 0.9944

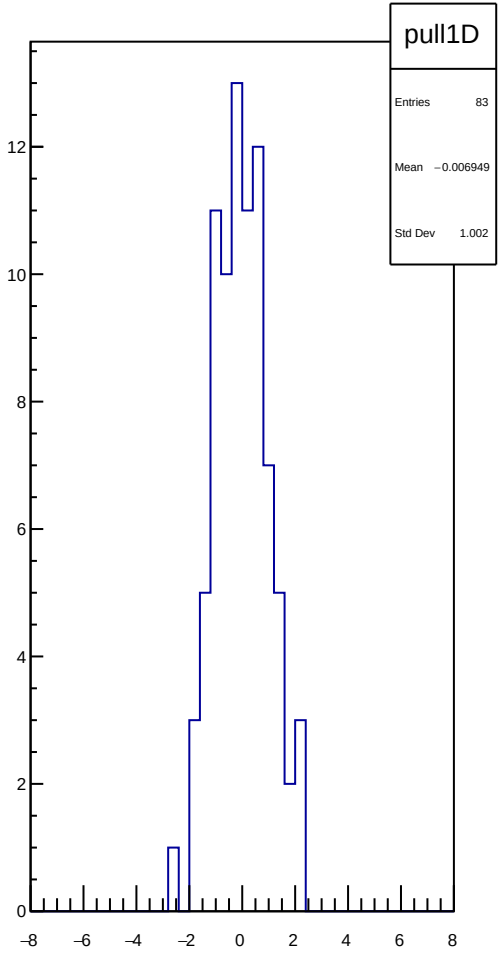

diff_bpm0l10Y_rms vs run
χ² / ndf 1358 / 82
p0 1156 ± 0.9204
1400
1350
1300
1250
1200
1150
1100

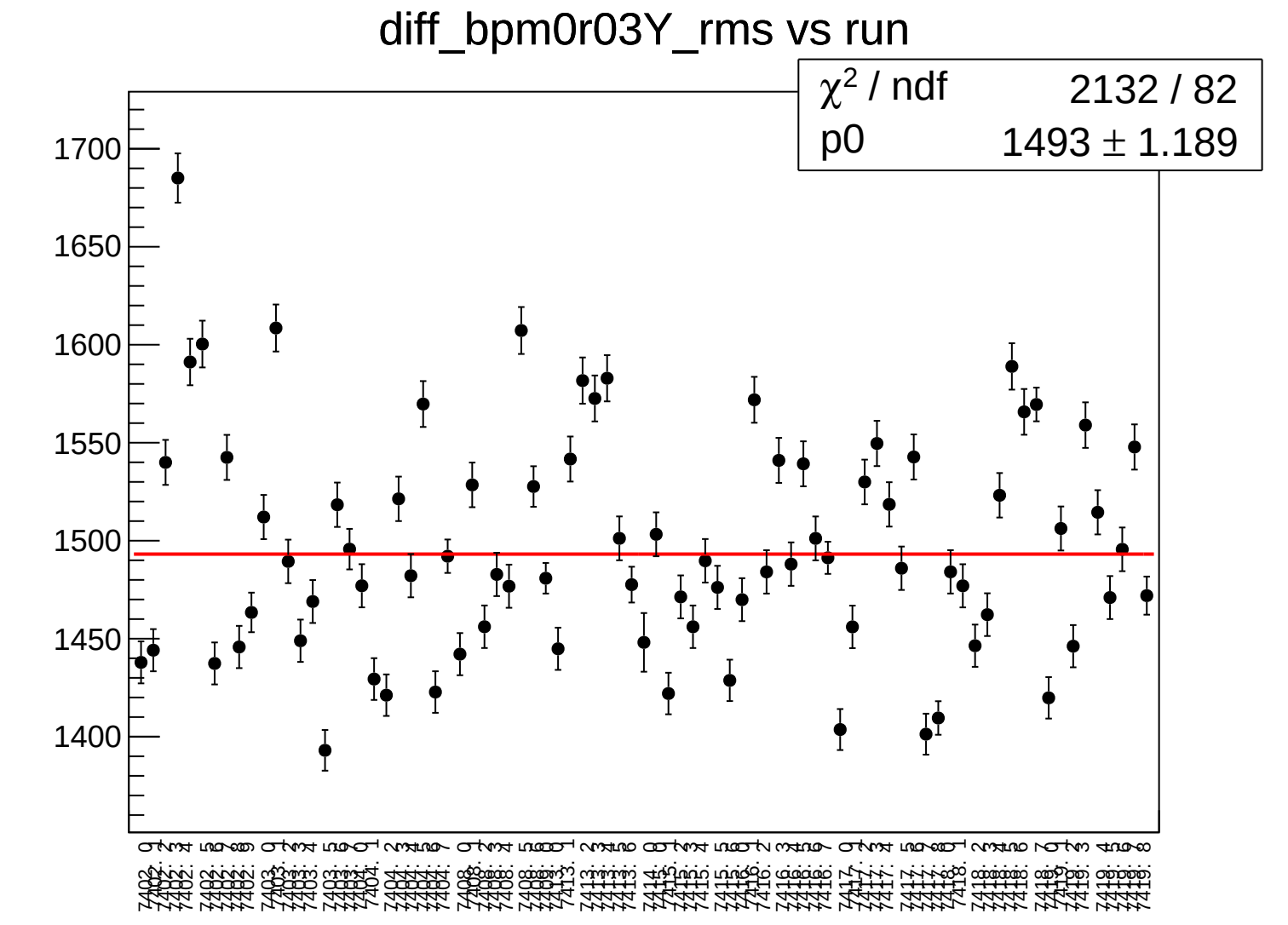

diff_bpm0r03X_mean vs run
χ² / ndf 76.4 / 82
p0 −75.31 ± 95.96
pull
Entries 83
Mean −223.7
Std Dev 0

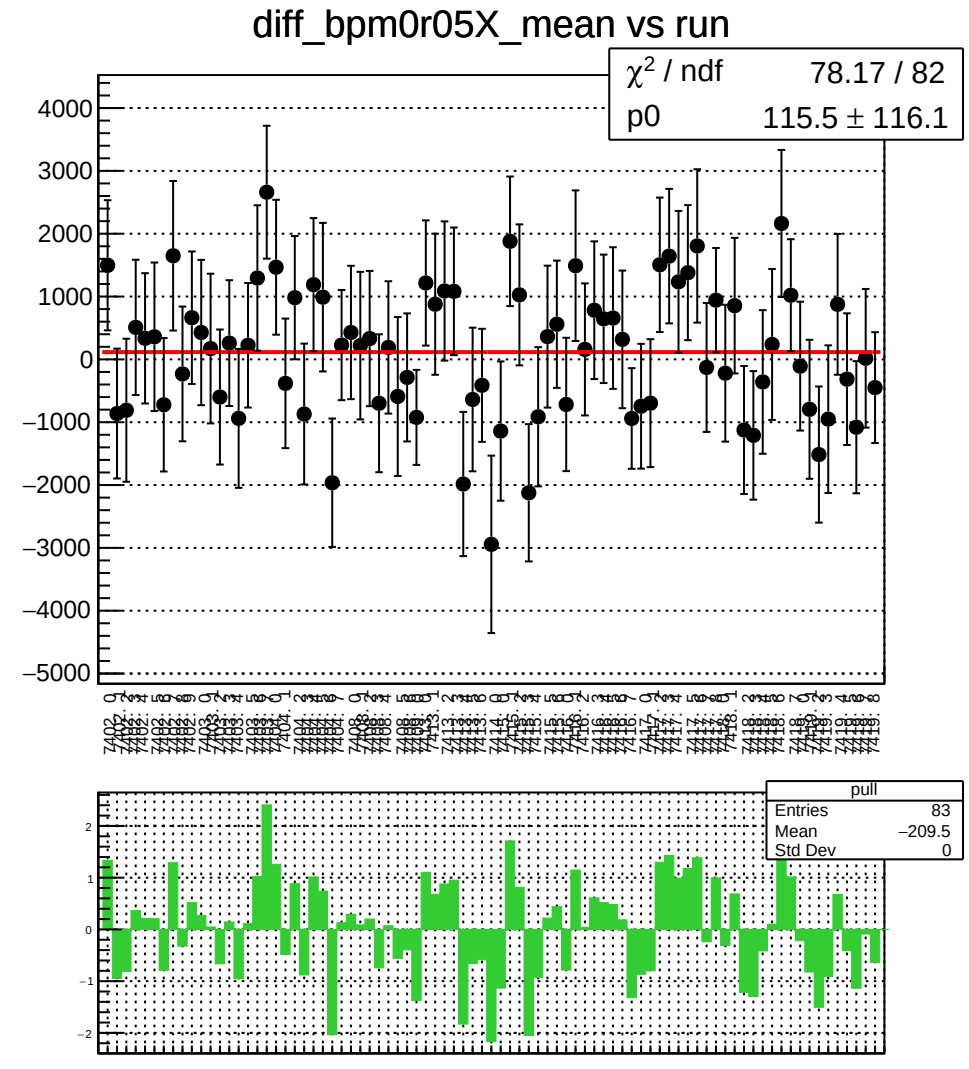

pull1D
Entries 83
Mean −0.00604
Std Dev 0.9594

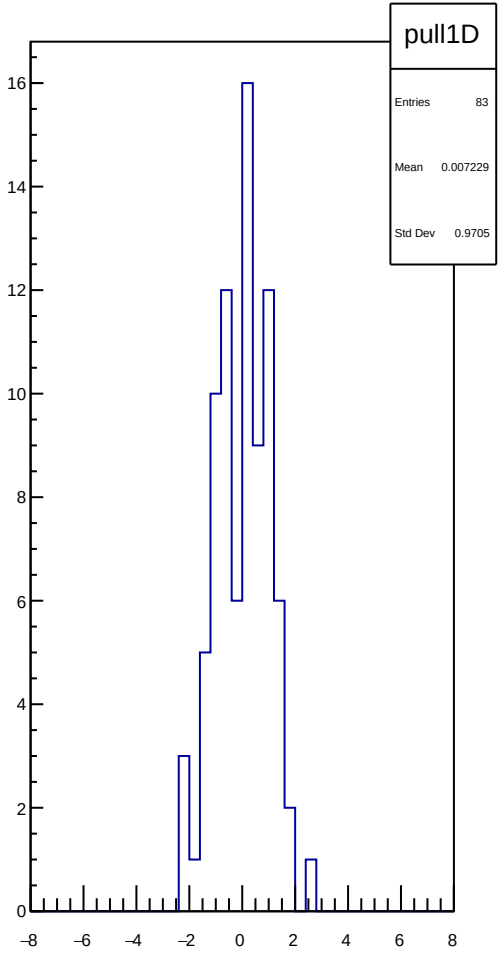

diff_bpm0r03X_rms vs run
×10^3
χ² / ndf 4569 / 82
p0 8.513e+04 ± 67.85
100
95
90
85
80

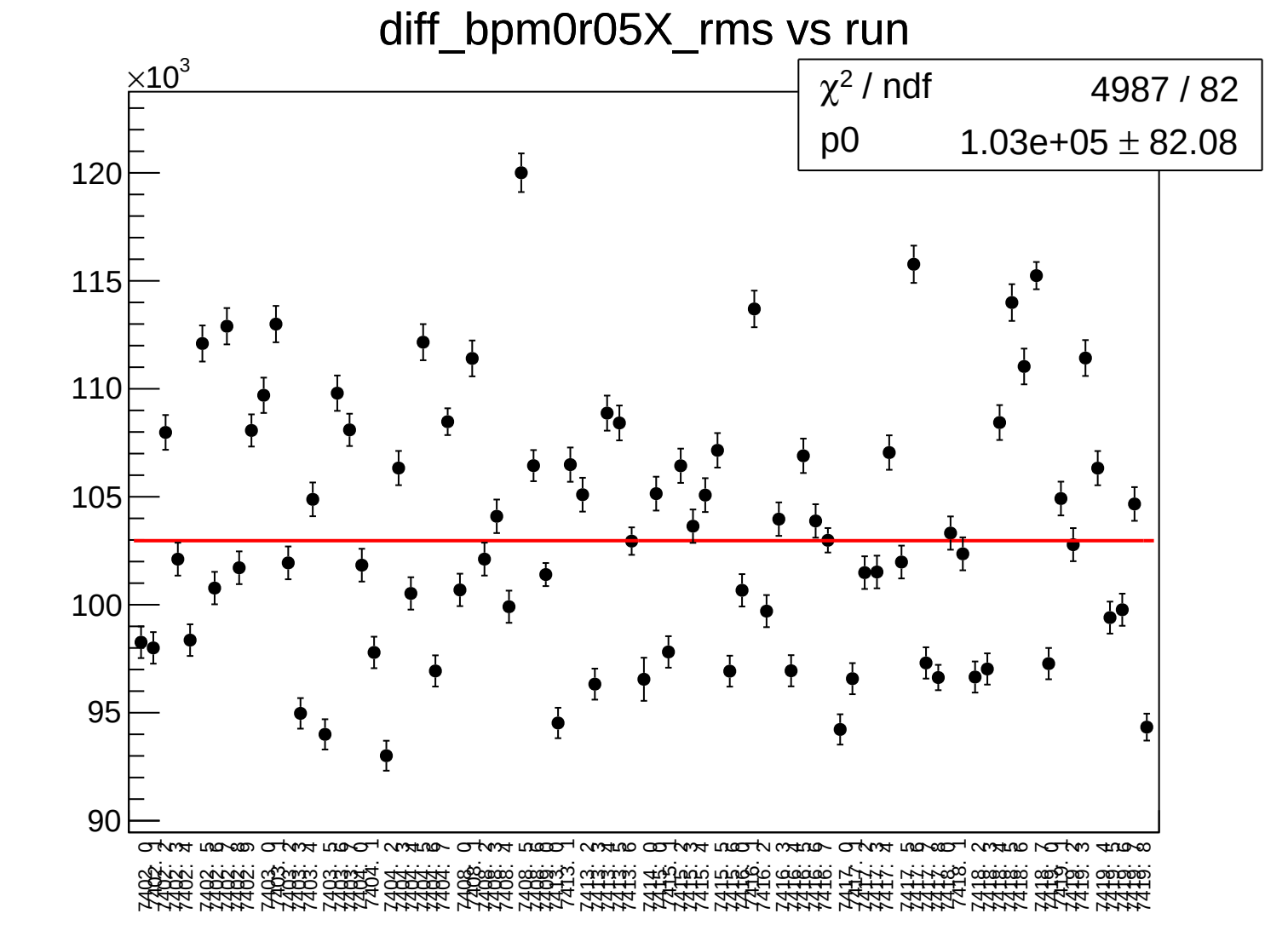

diff_bpm0r03Y_mean vs run
χ² / ndf 83.36 / 82
p0 1.085 ± 1.682
pull
Entries 83
Mean 76.67
Std Dev 0

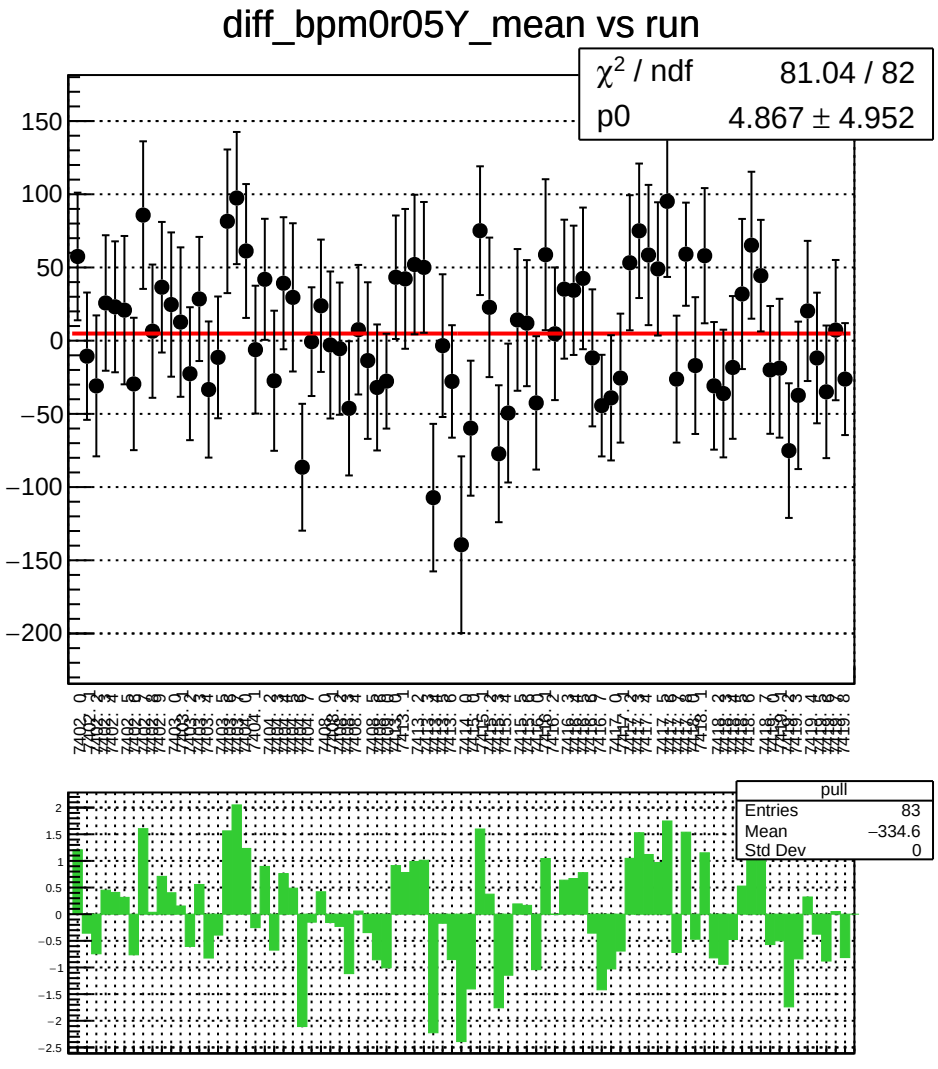

pull1D
Entries 83
Mean −0.006949
Std Dev 1.002

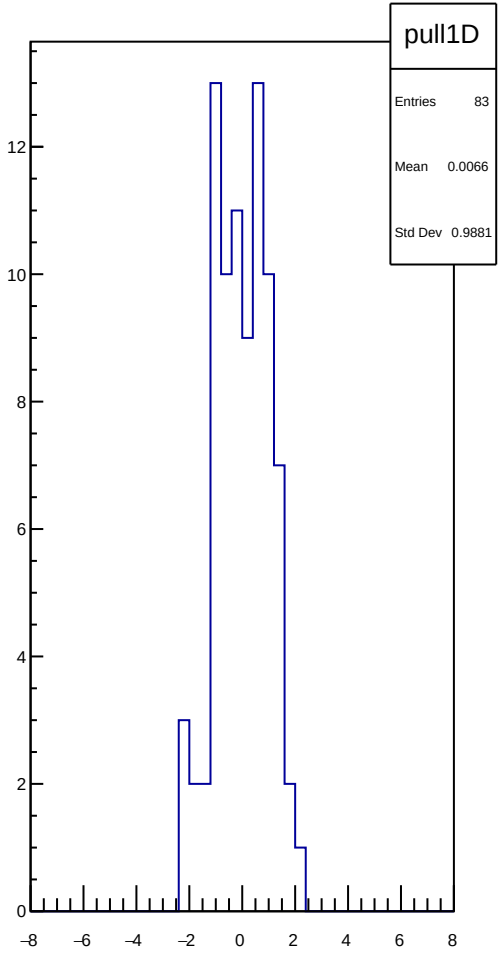

diff_bpm0r03Y_rms vs run
χ² / ndf 2132 / 82
p0 1493 ± 1.189
1700
1650
1600
1550
1500
1450
1400

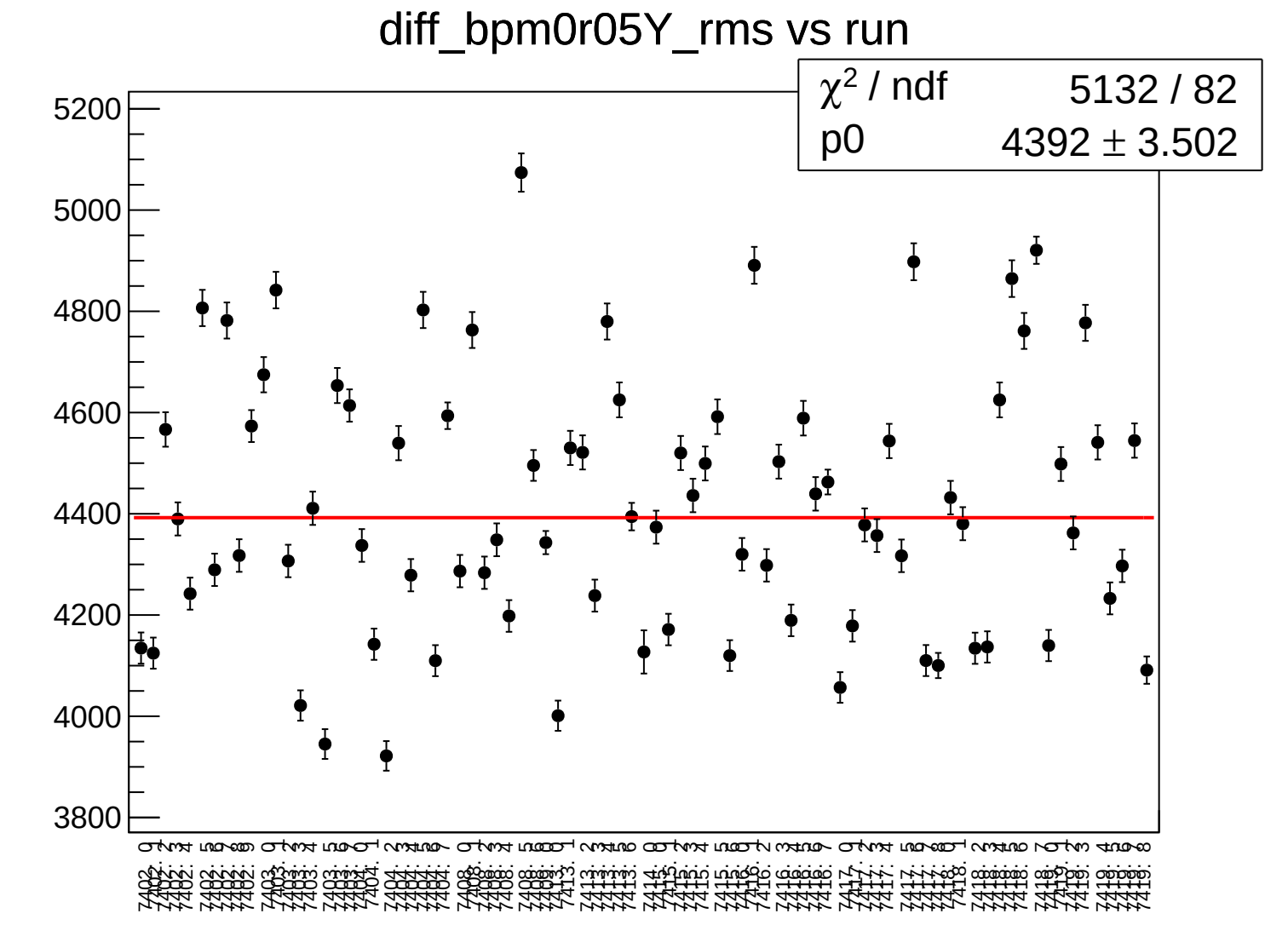

diff_bpm0r05X_mean vs run
χ² / ndf 78.17 / 82
p0 115.5 ± 116.1
pull
Entries 83
Mean −209.5
Std Dev 0

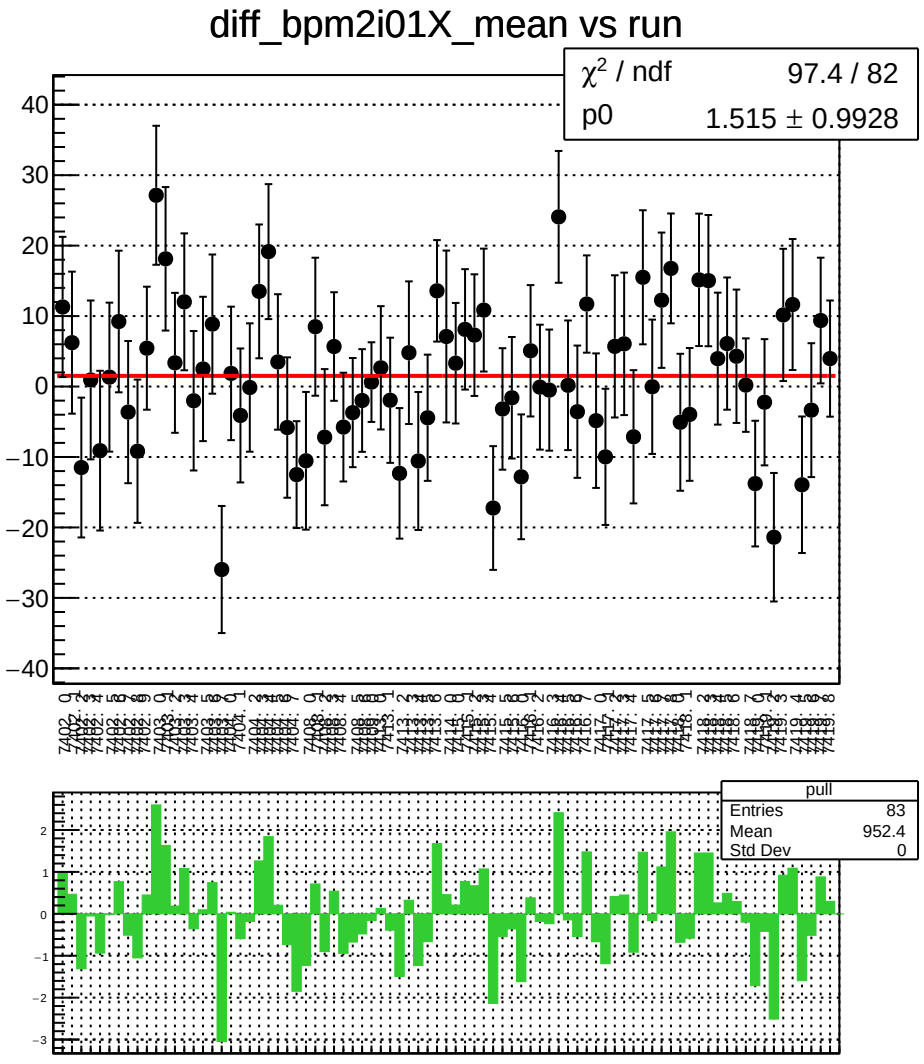

pull1D
Entries 83
Mean 0.007229
Std Dev 0.9705

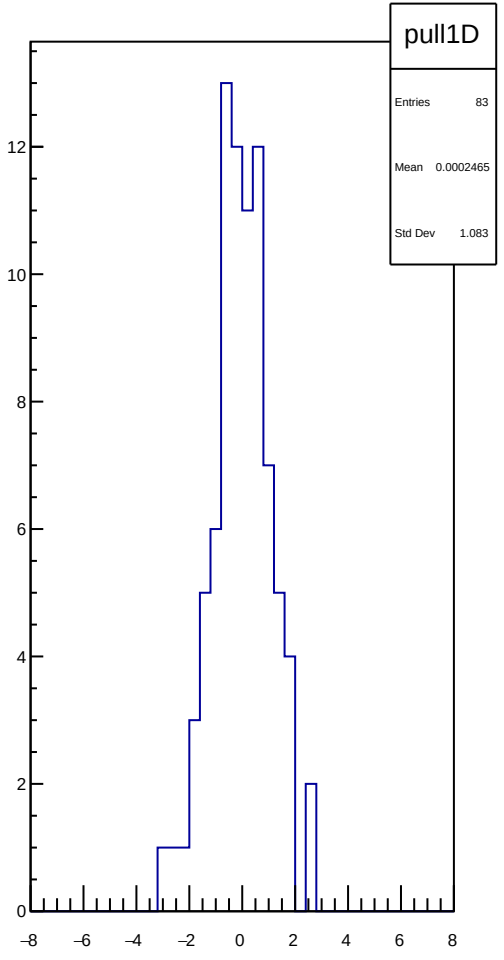

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 4987 / 82
p0 1.03e+05 ± 82.08
120
115
110
105
100
95
90

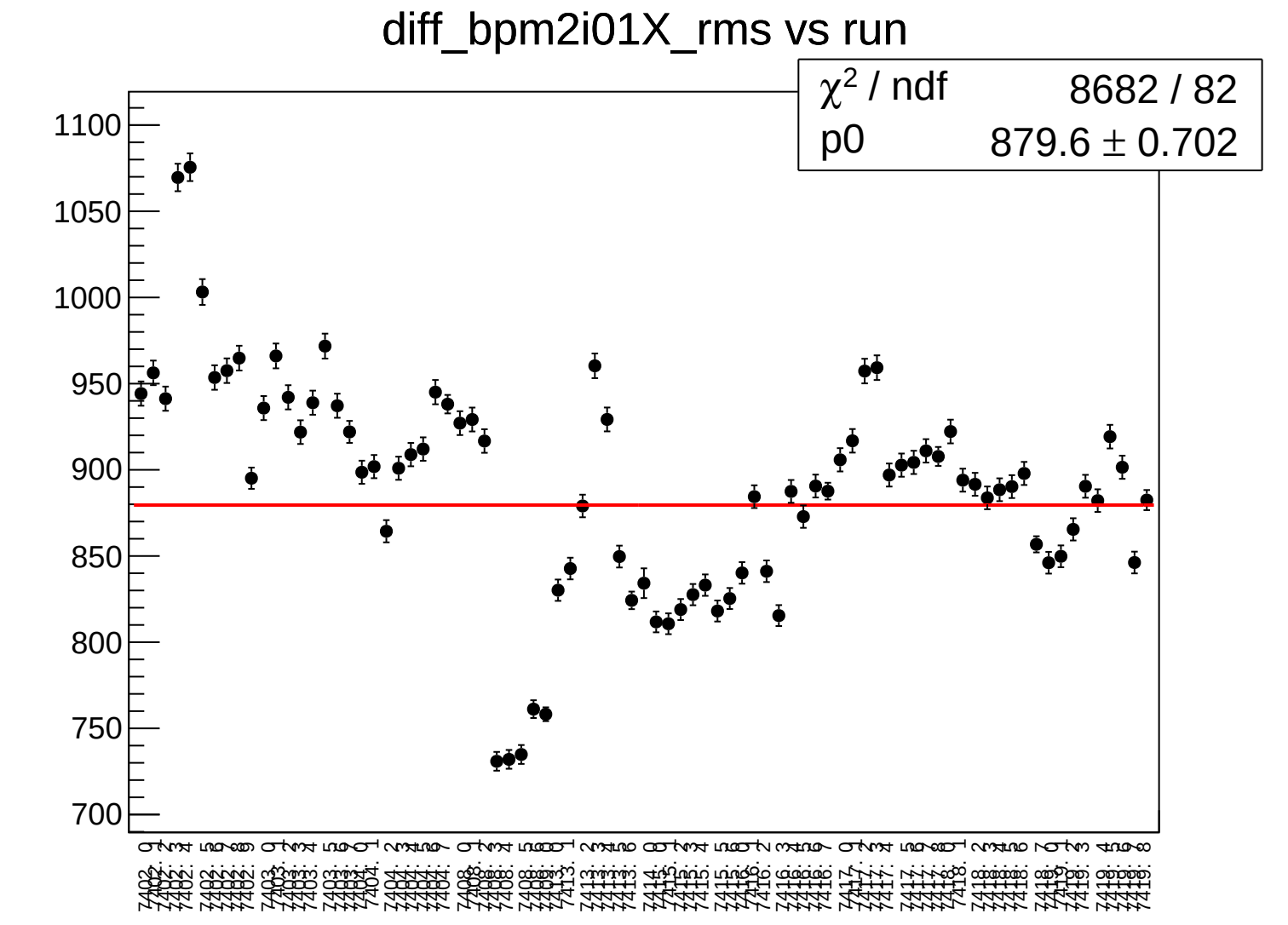

diff_bpm0r05Y_mean vs run
χ² / ndf 81.04 / 82
p0 4.867 ± 4.952
pull
Entries 83
Mean −334.6
Std Dev 0

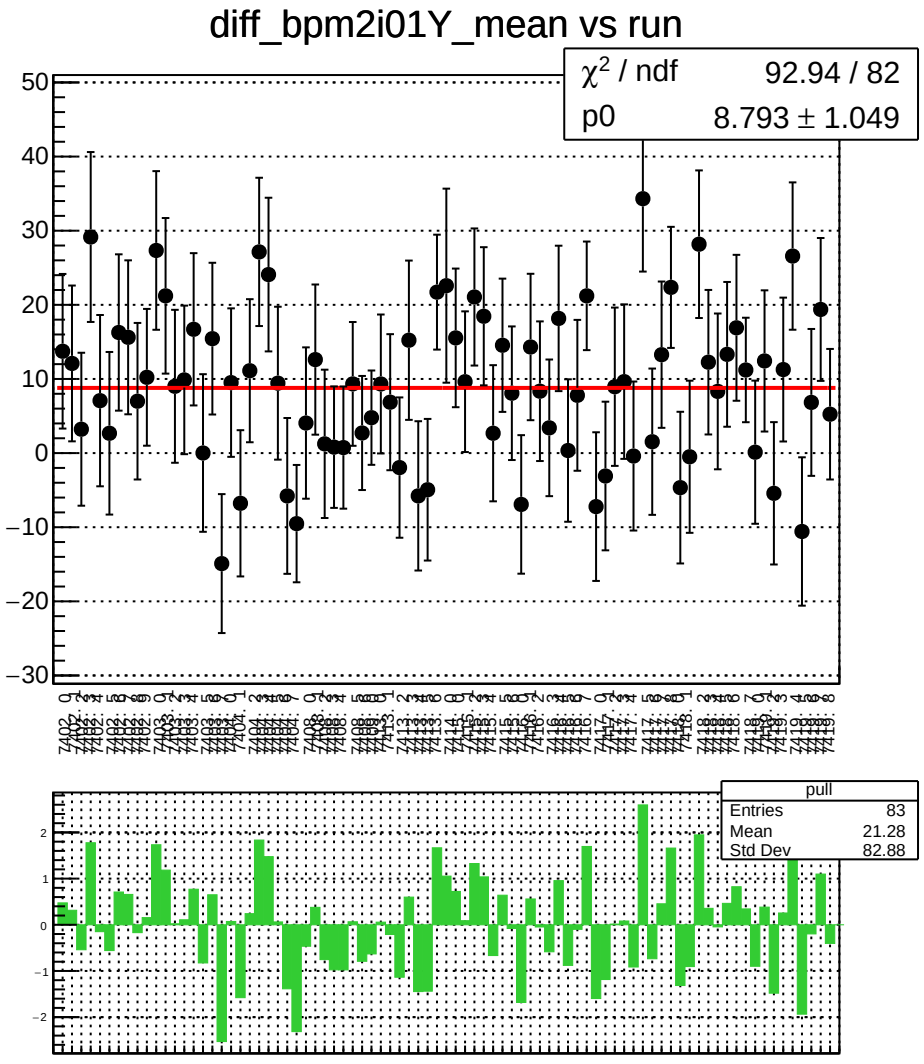

pull1D
Entries 83
Mean 0.0066
Std Dev 0.9881

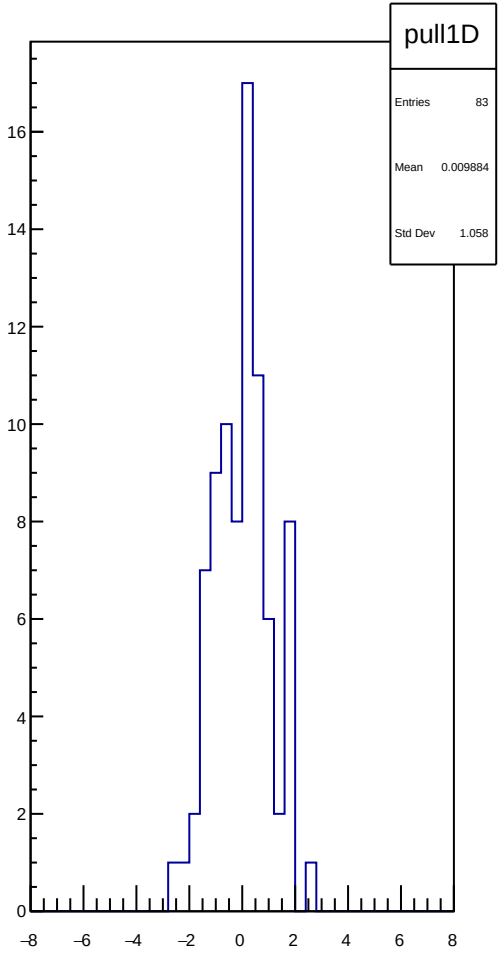

diff_bpm0r05Y_rms vs run
χ^2 / ndf 5132 / 82
p0 4392 ± 3.502
5200
5000
4800
4600
4400
4200
4000
3800

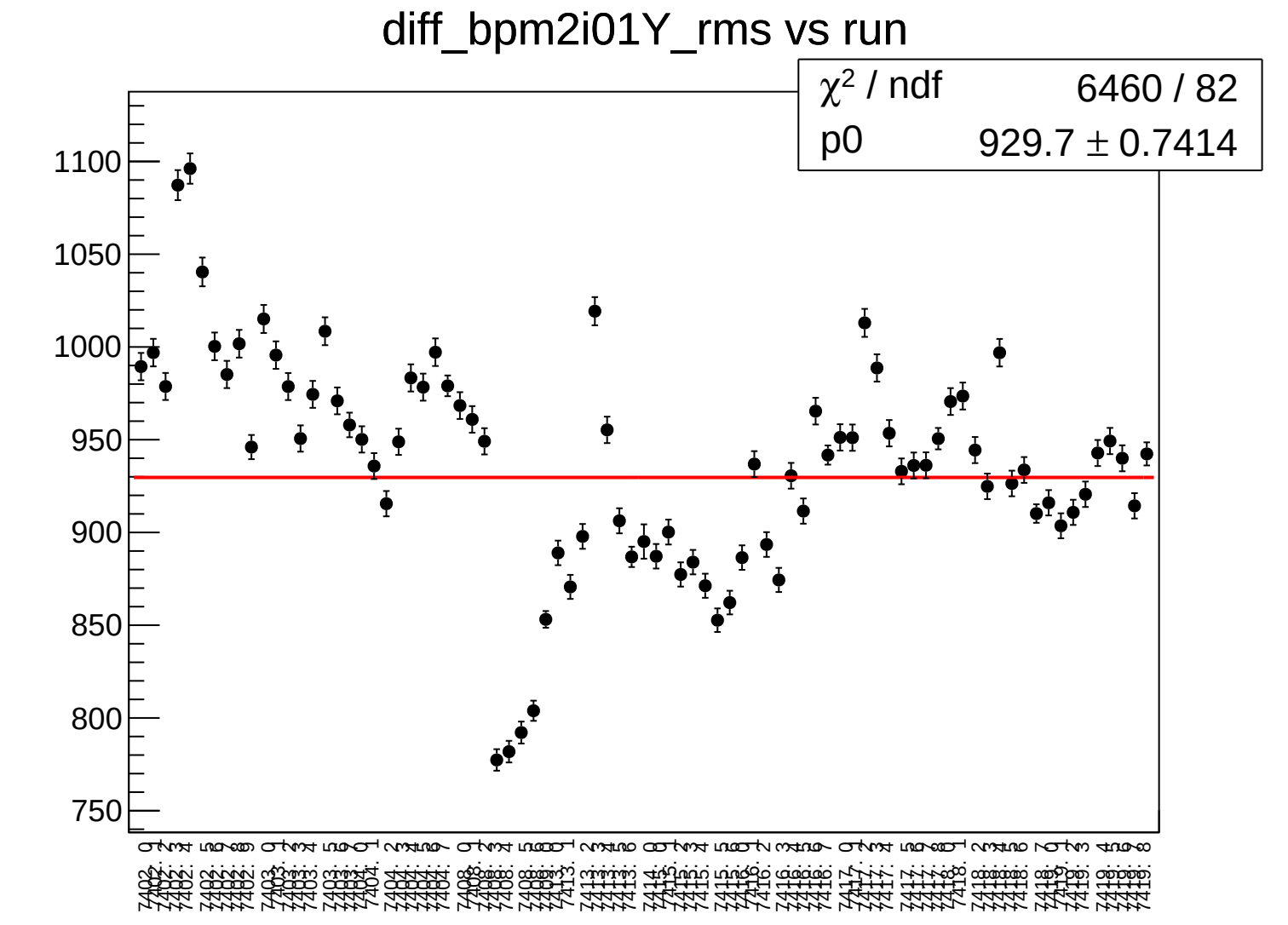

diff_bpm2i01X_mean vs run
χ^2 / ndf 97.4 / 82
p0 1.515 ± 0.9928
pull
Entries 83
Mean 952.4
Std Dev 0

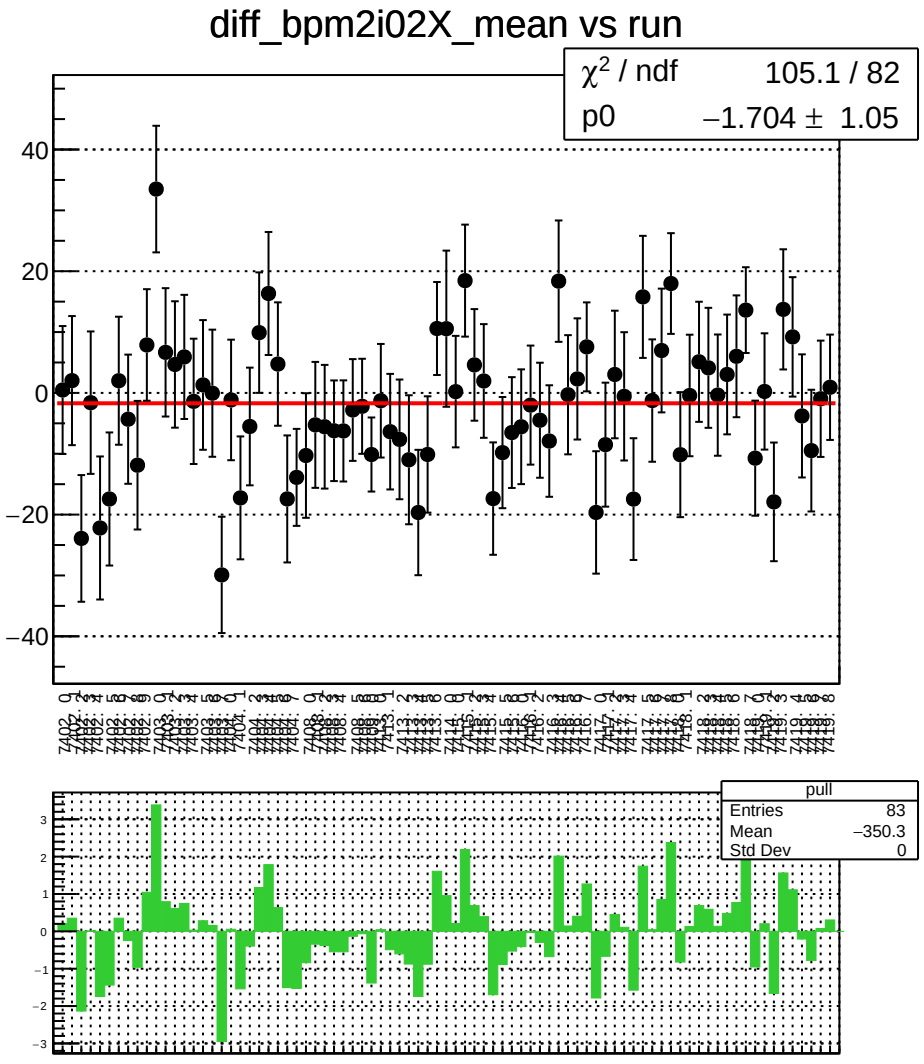

pull1D
Entries 83
Mean 0.0002465
Std Dev 1.083

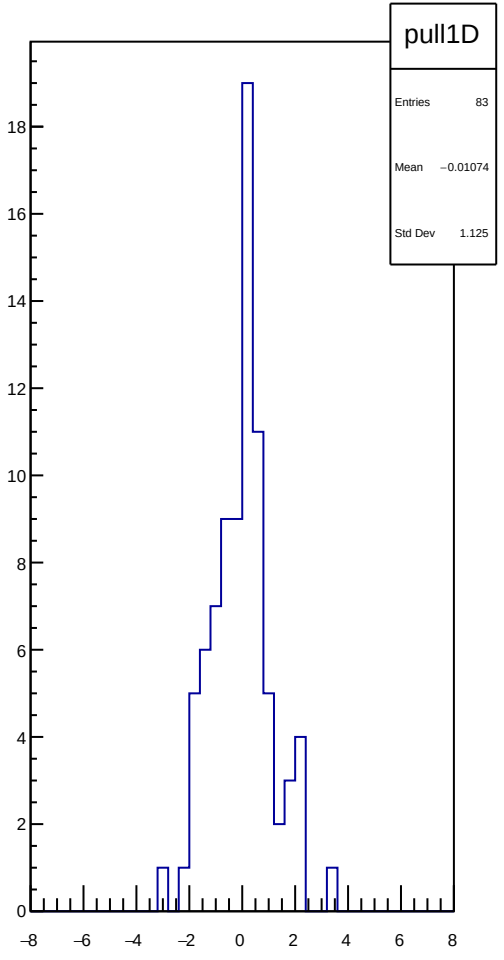

diff_bpm2i01X_rms vs run
χ² / ndf 8682 / 82
p0 879.6 ± 0.702
1100
1050
1000
950
900
850
800
750
700

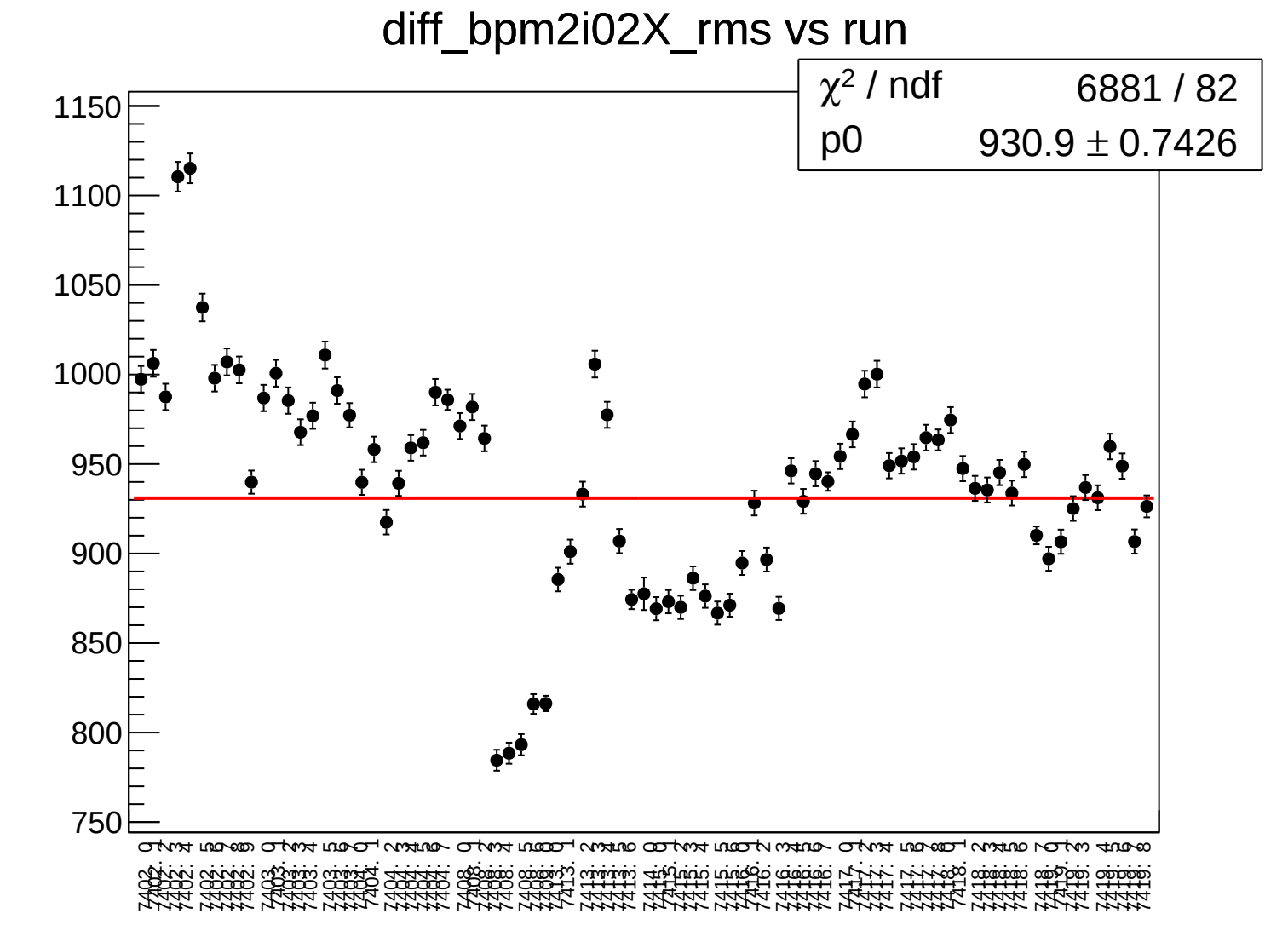

diff_bpm2i01Y_mean vs run
χ² / ndf 92.94 / 82
p0 8.793 ± 1.049
pull
Entries 83
Mean 21.28
Std Dev 82.88

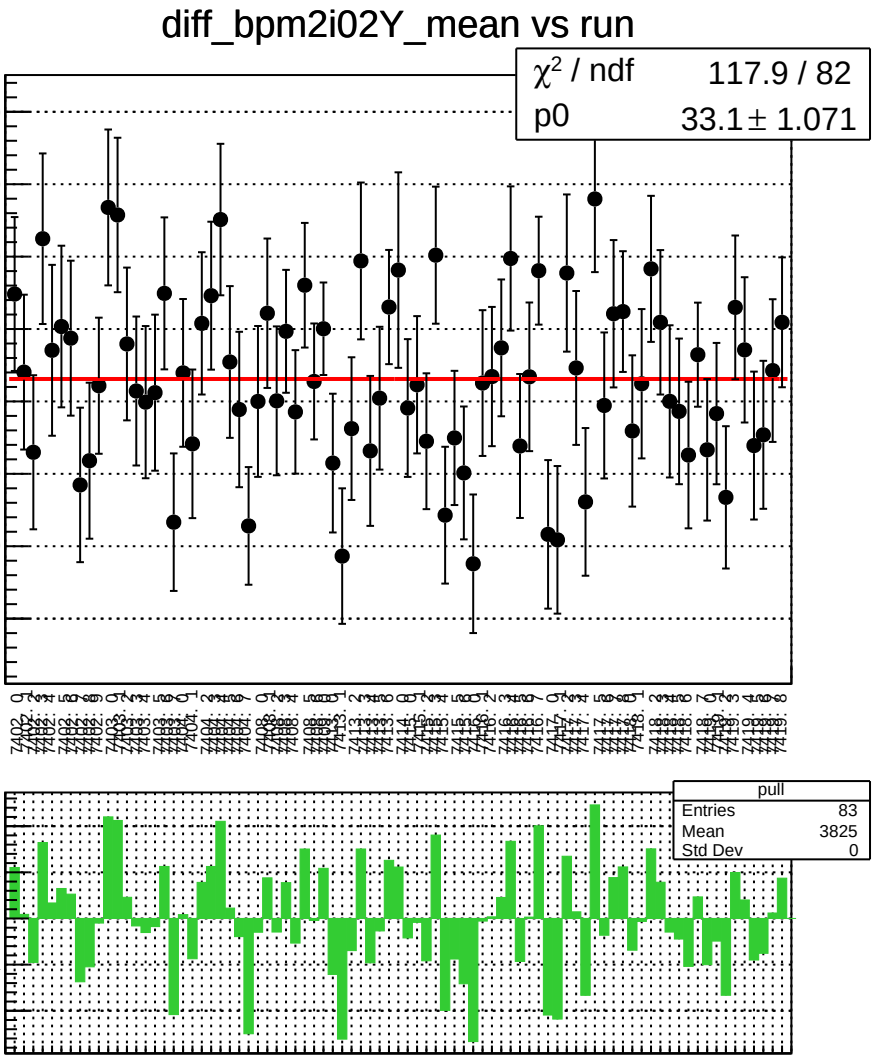

pull1D
Entries 83
Mean 0.009884
Std Dev 1.058

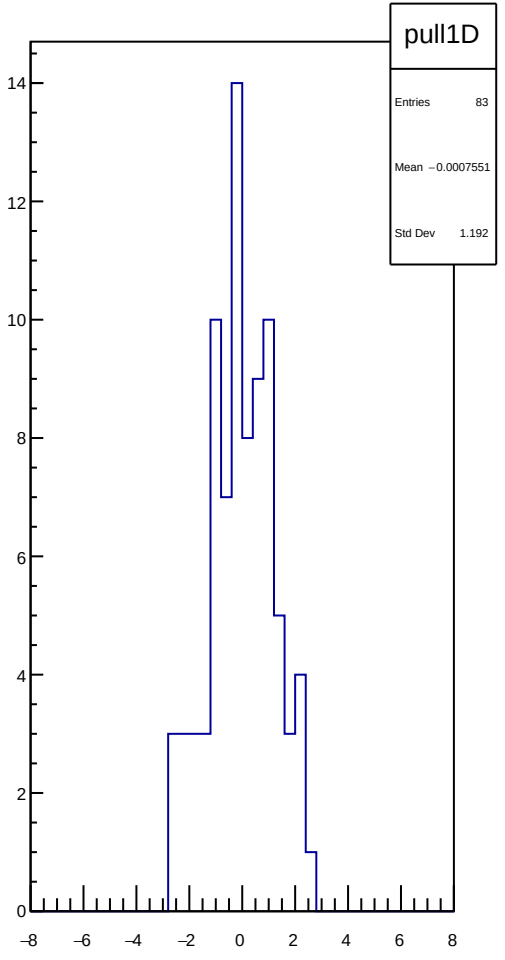

diff_bpm2i01Y_rms vs run
χ² / ndf 6460 / 82
p0 929.7 ± 0.7414
1100
1050
1000
950
900
850
800
750

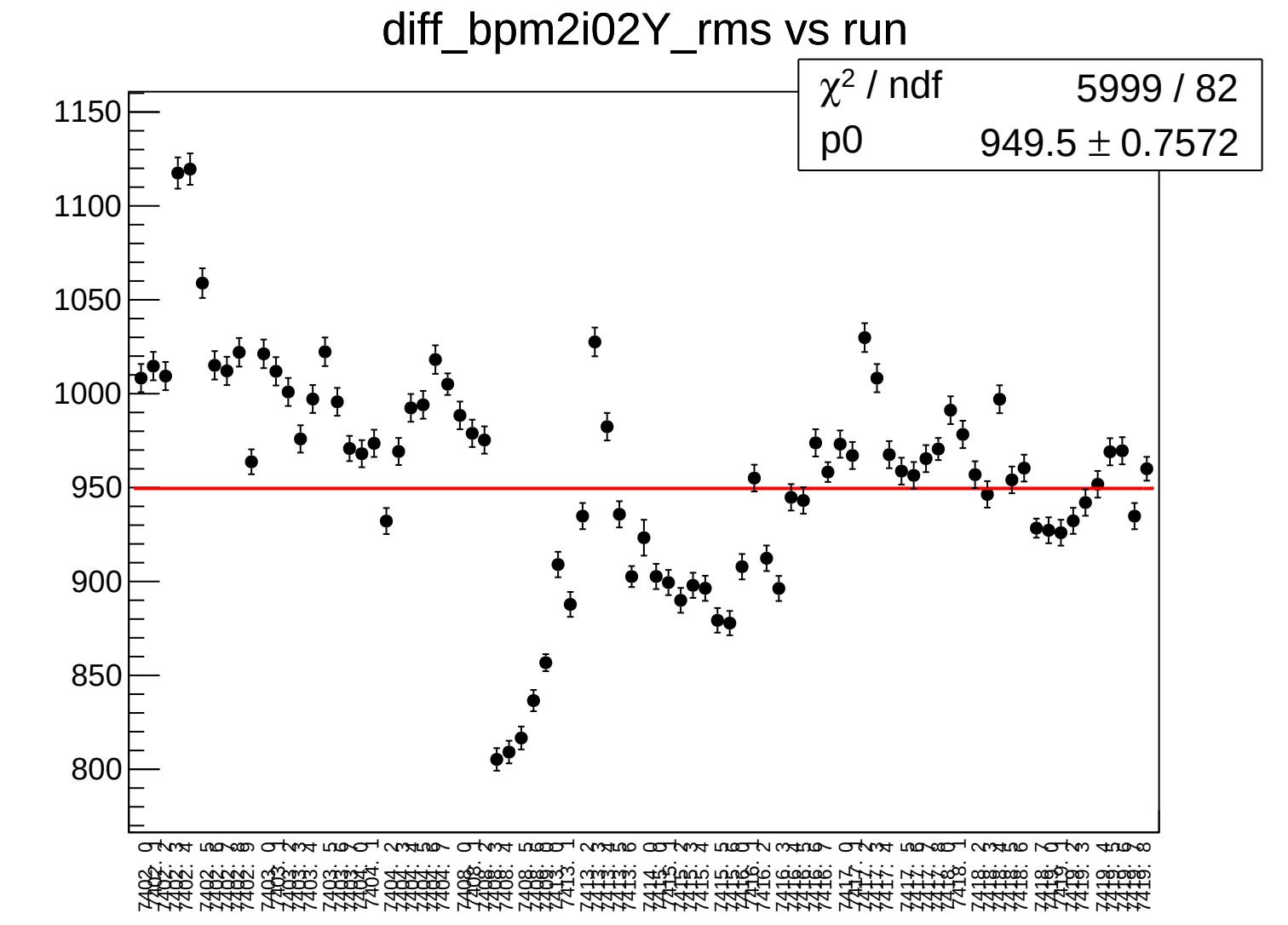

diff_bpm2i02X_mean vs run
χ² / ndf 105.1 / 82
p0 −1.704 ± 1.05
pull
Entries 83
Mean −350.3
Std Dev 0

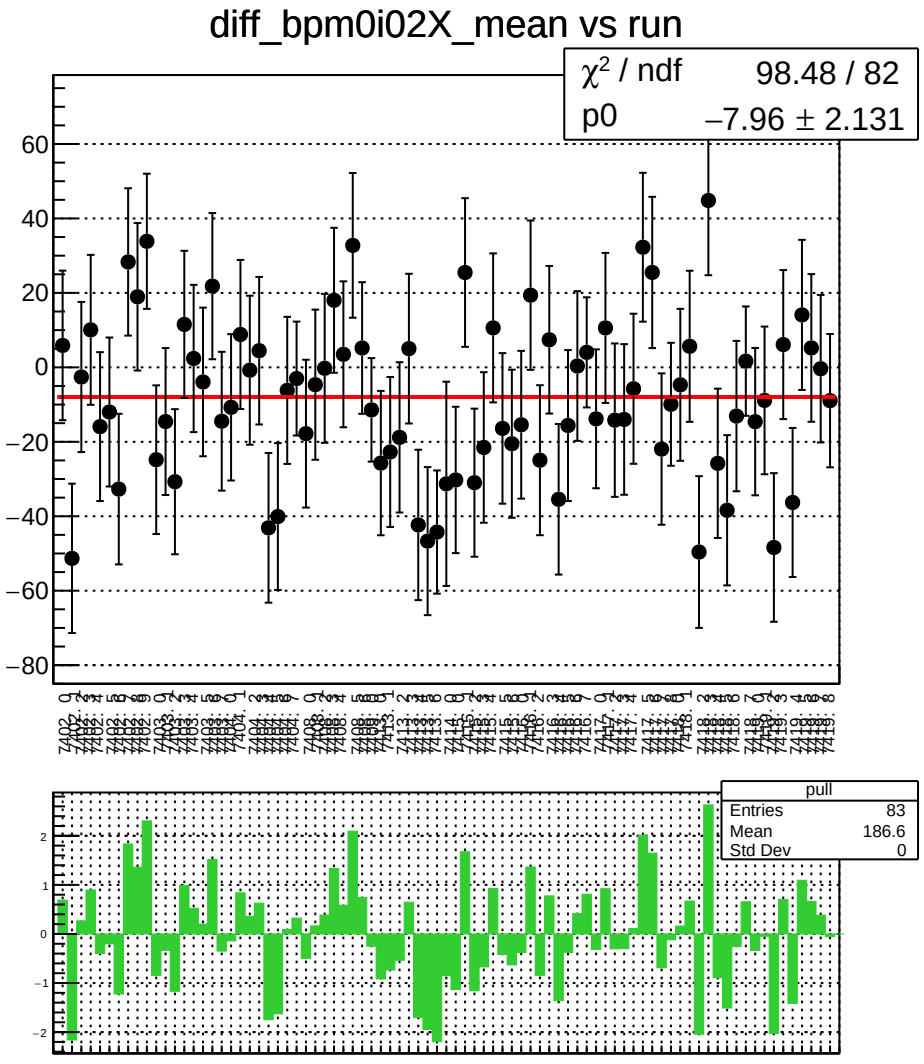

pull1D
Entries 83
Mean −0.01074
Std Dev 1.125

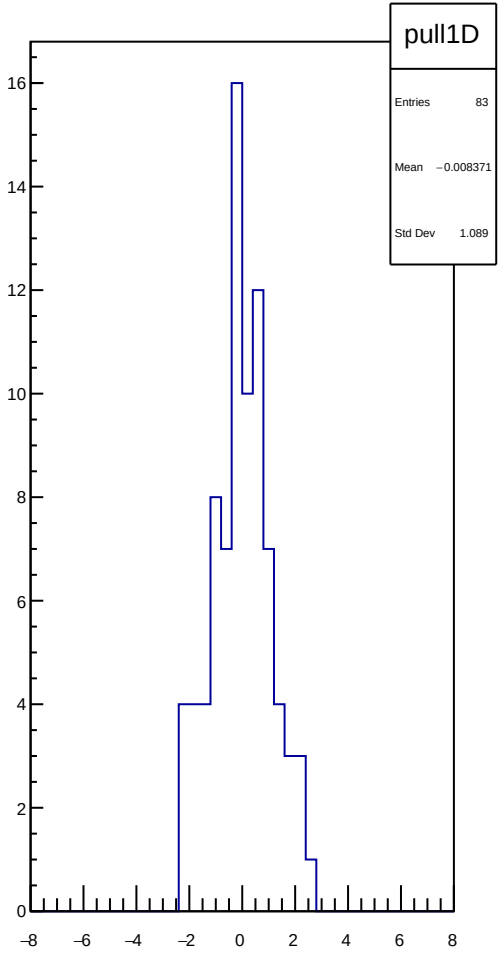

diff_bpm2i02X_rms vs run
χ² / ndf 6881 / 82
p0 930.9 ± 0.7426
1150
1100
1050
1000
950
900
850
800
750

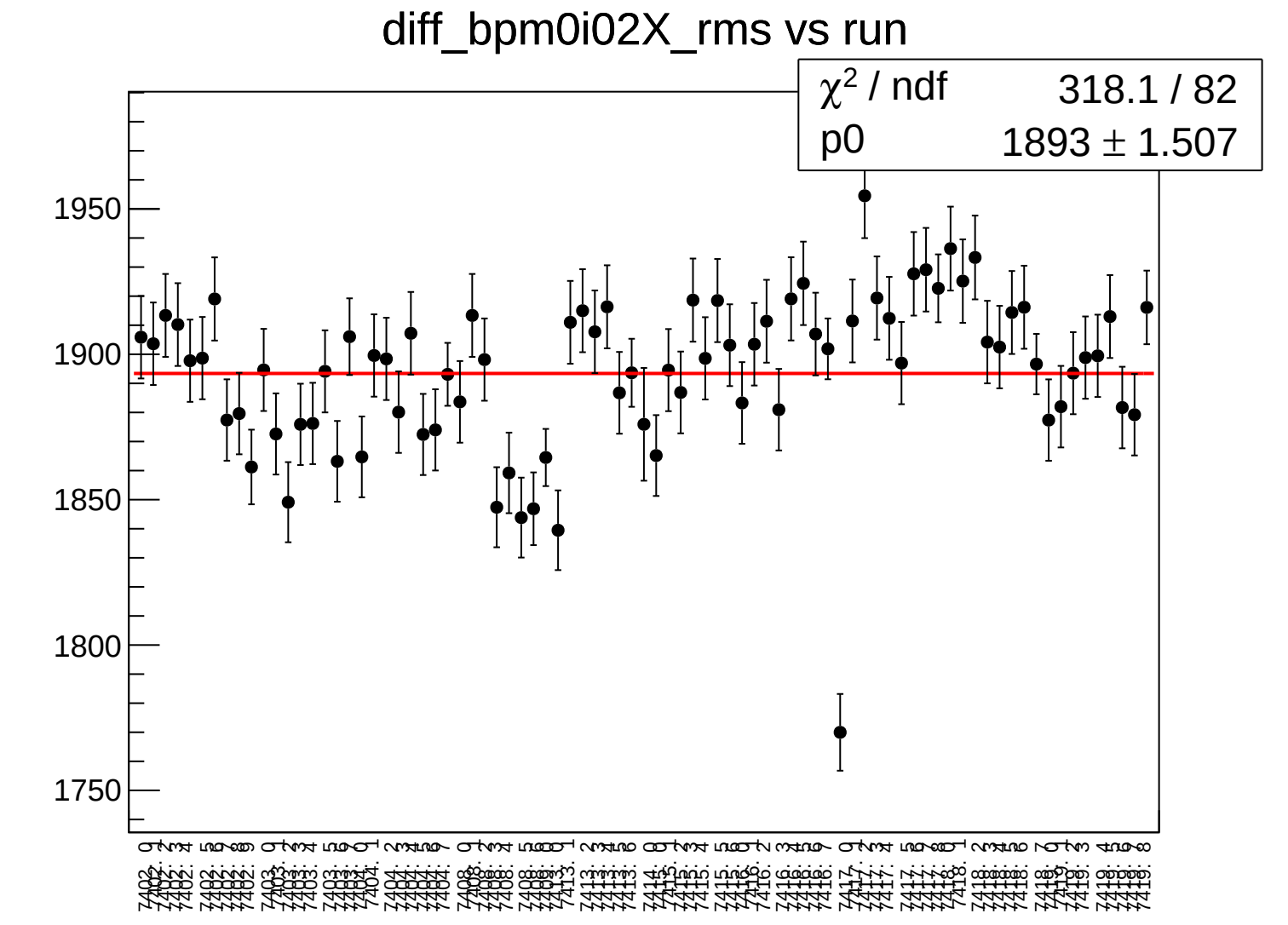

diff_bpm2i02Y_mean vs run
χ^2 / ndf 117.9 / 82
p0 33.1 ± 1.071
pull
Entries 83
Mean 3825
Std Dev 0

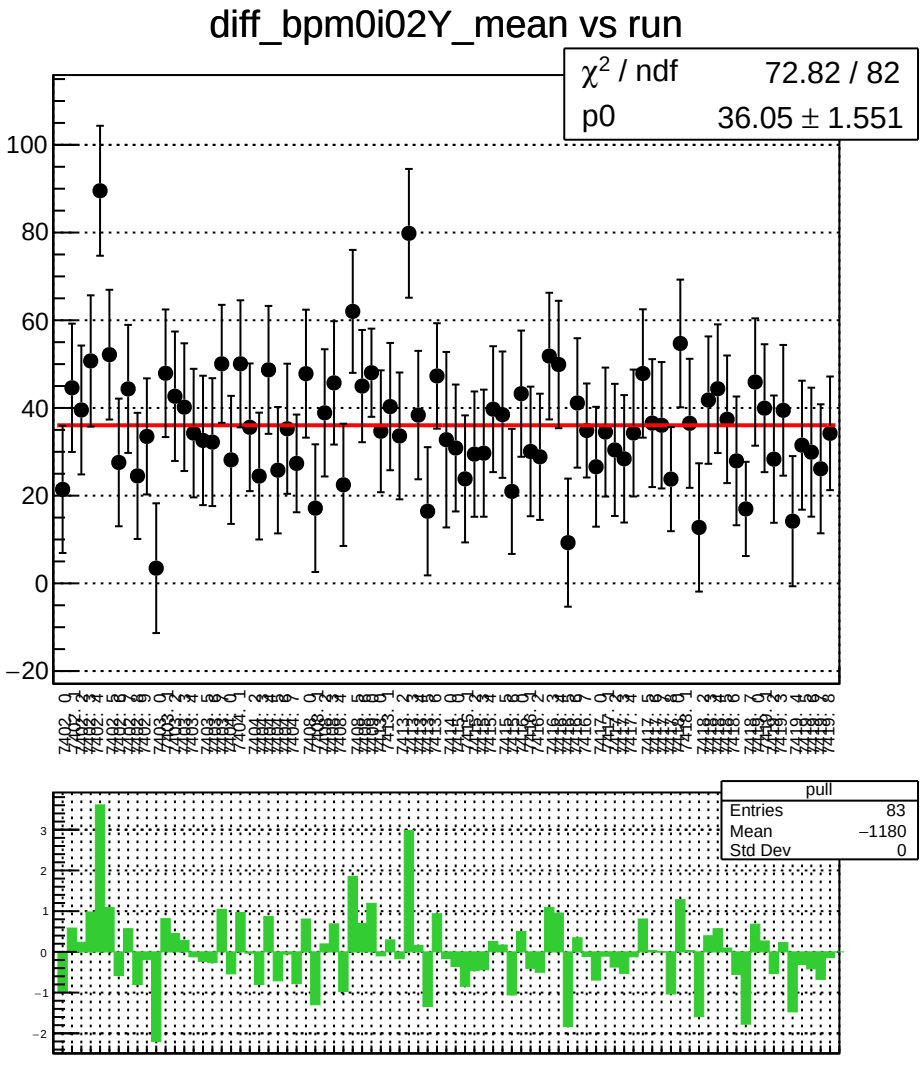

pull1D
Entries 83
Mean −0.0007551
Std Dev 1.192

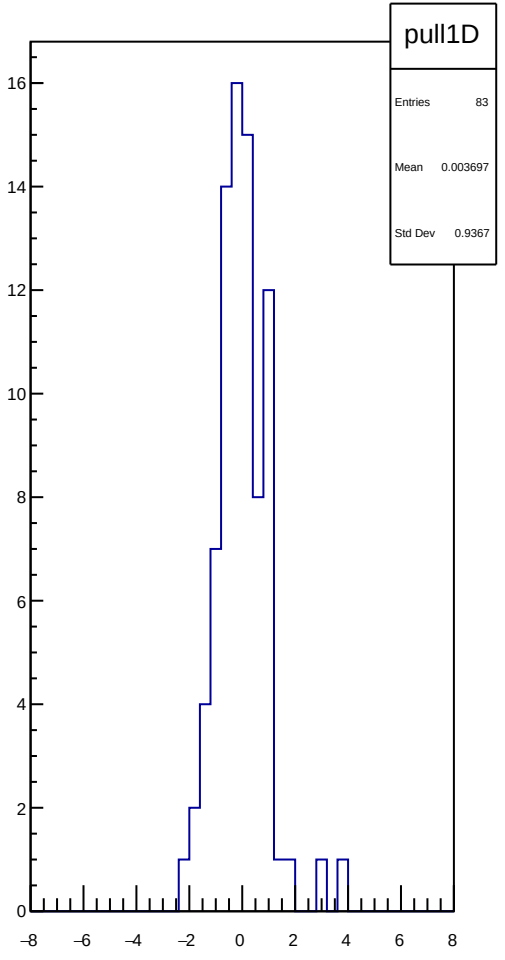

diff_bpm2i02Y_rms vs run
χ² / ndf 5999 / 82
p0 949.5 ± 0.7572
1150
1100
1050
1000
950
900
850
800

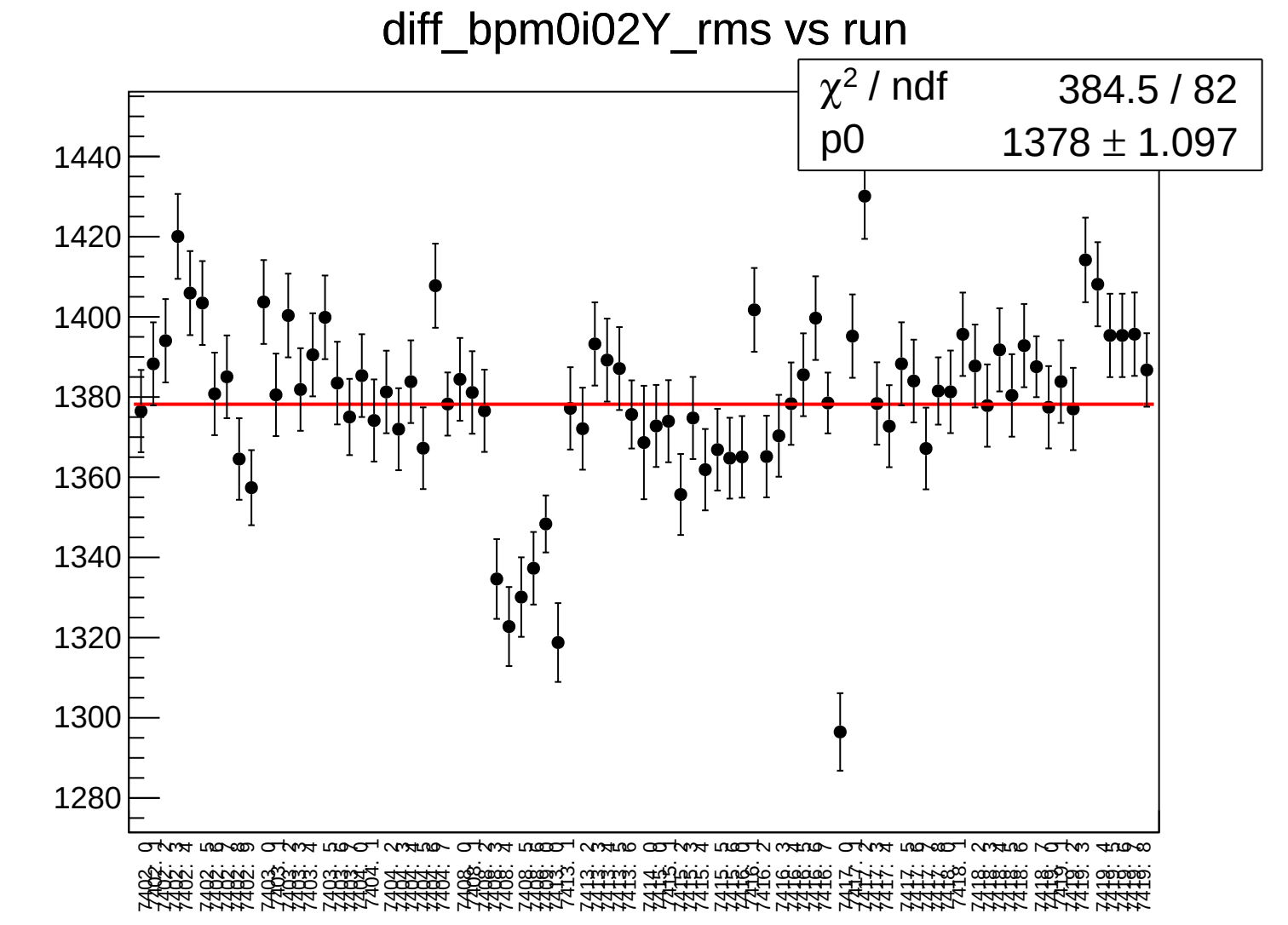

diff_bpm0i02X_mean vs run
χ² / ndf 98.48 / 82
p0 −7.96 ± 2.131
pull
Entries 83
Mean 186.6
Std Dev 0

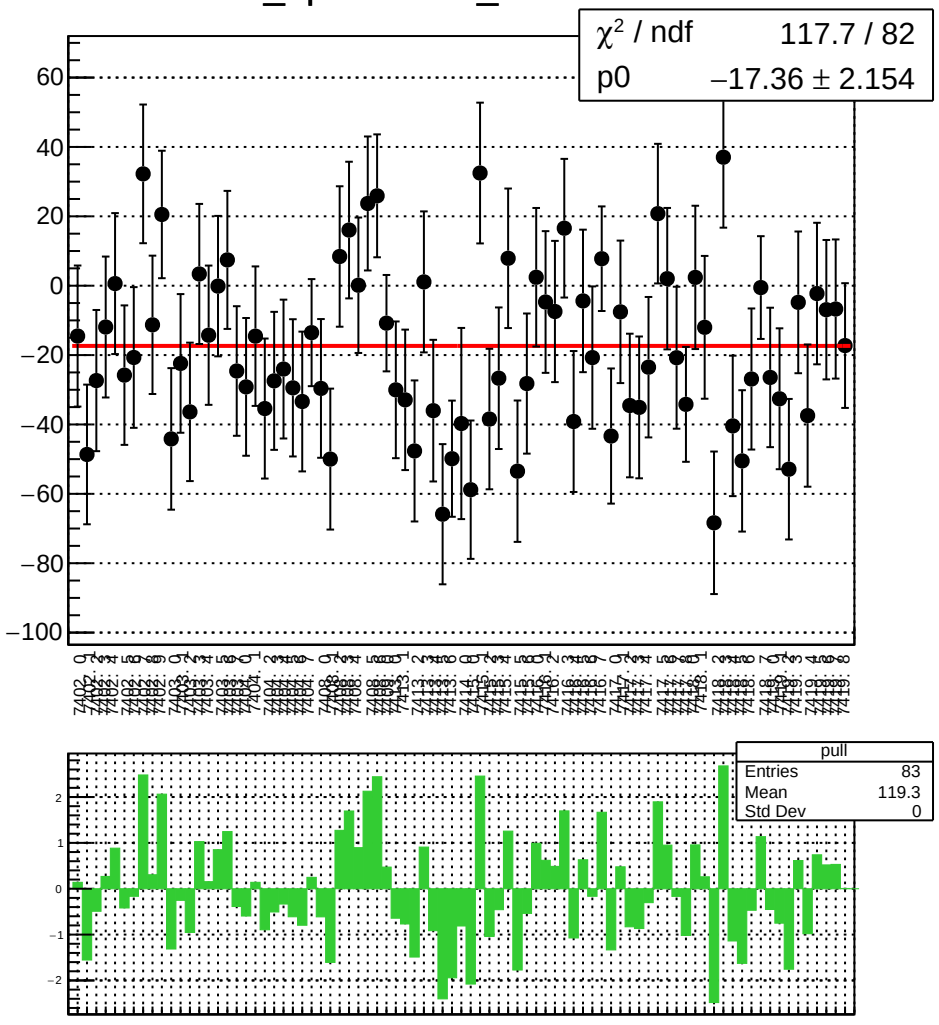

pull1D
Entries 83
Mean −0.008371
Std Dev 1.089

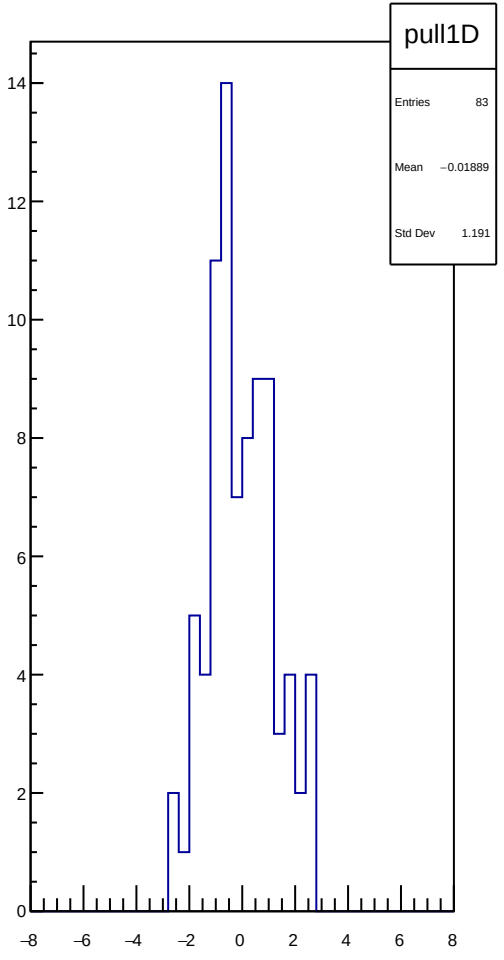

diff_bpm0i02X_rms vs run
χ² / ndf 318.1 / 82
p0 1893 ± 1.507
1950
1900
1850
1800
1750

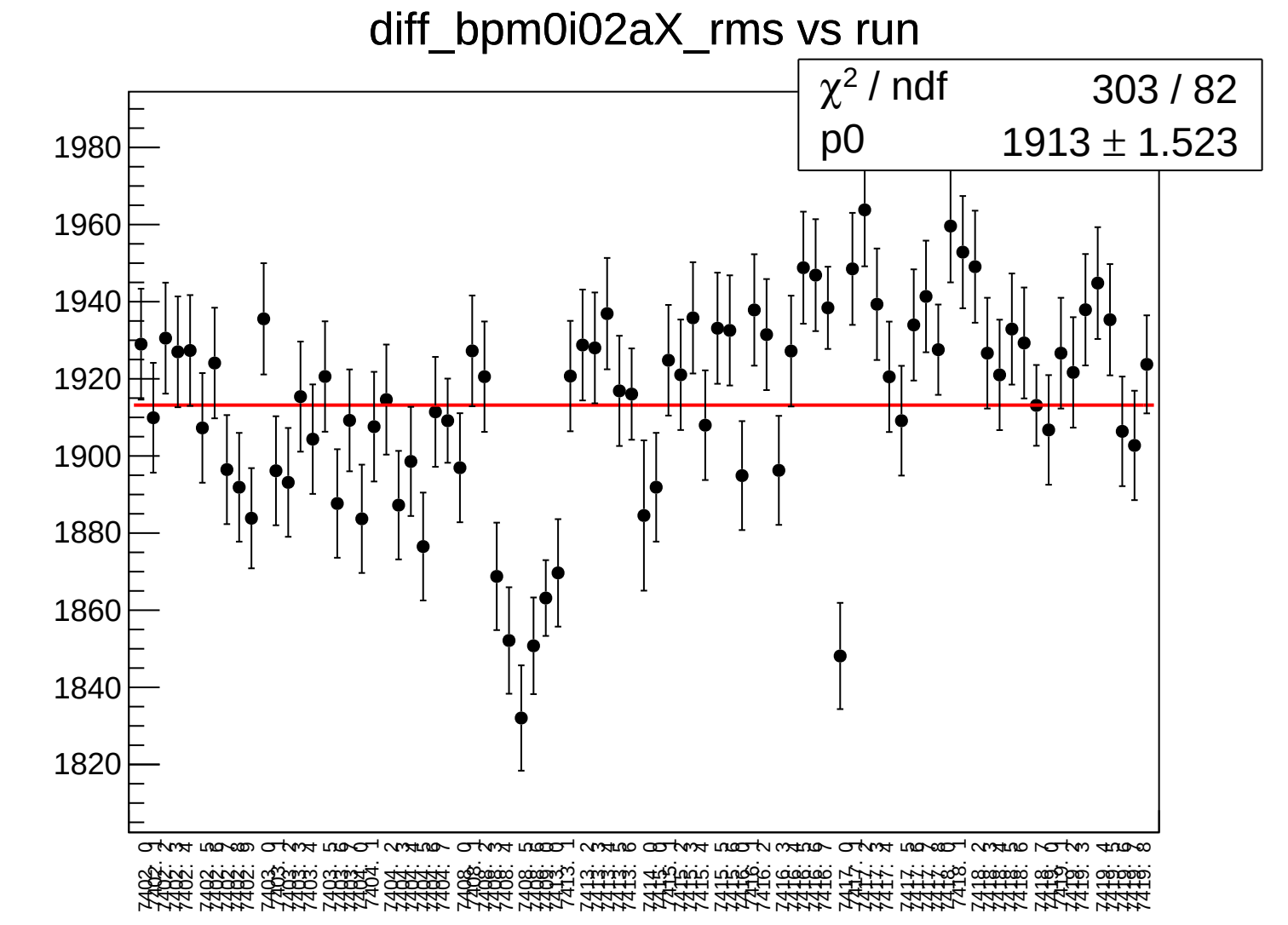

diff_bpm0i02Y_mean vs run
χ² / ndf 72.82 / 82
p0 36.05 ± 1.551
pull
Entries 83
Mean −1180
Std Dev 0

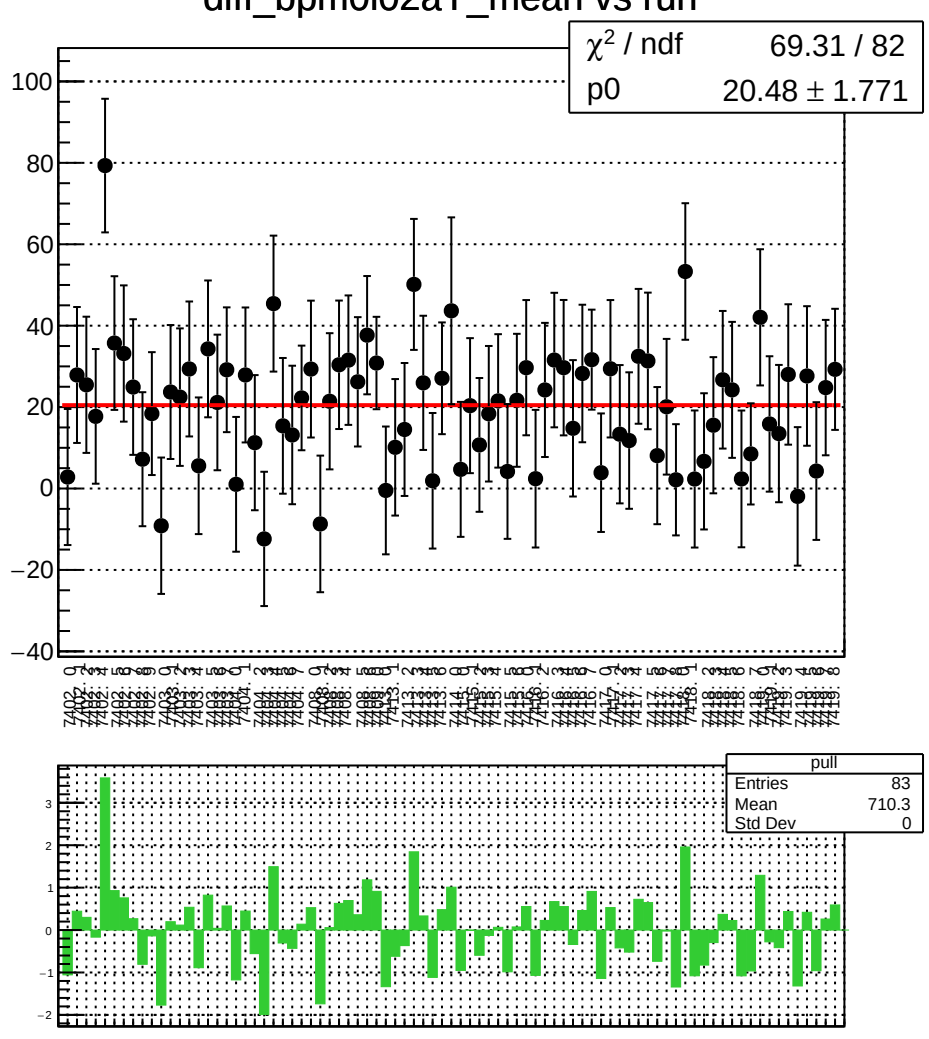

pull1D
Entries 83
Mean 0.003697
Std Dev 0.9367

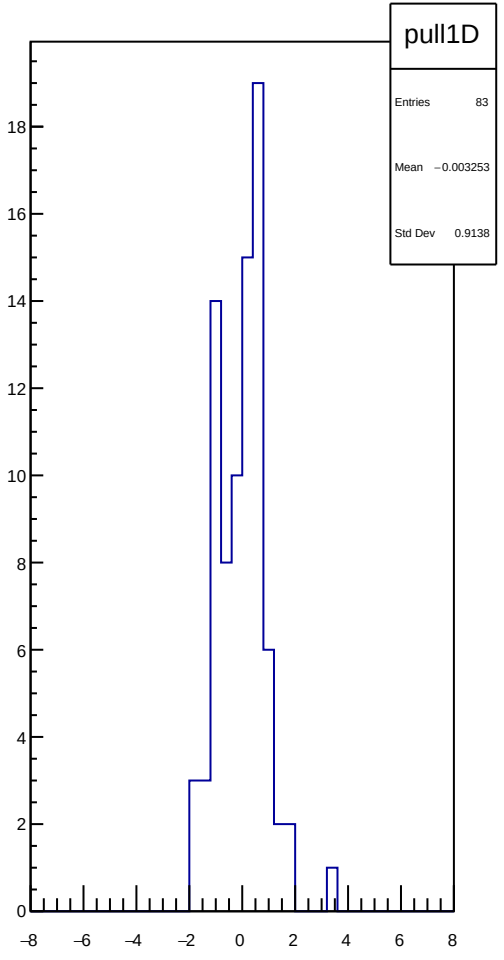

diff_bpm0i02Y_rms vs run
χ² / ndf 384.5 / 82
p0 1378 ± 1.097
1440
1420
1400
1380
1360
1340
1320
1300
1280

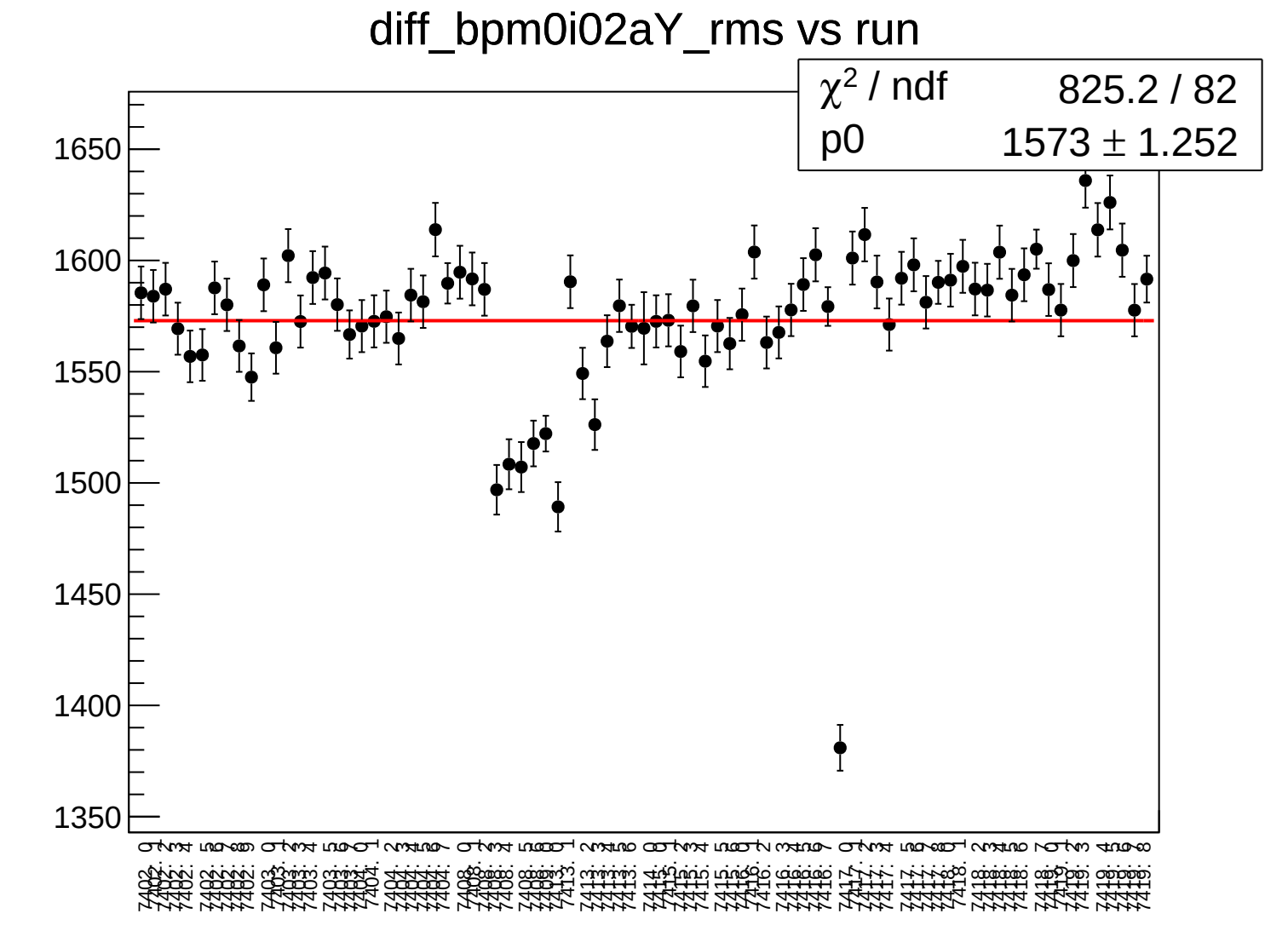

diff_bpm0i02aX_mean vs run
χ² / ndf 117.7 / 82
p0 −17.36 ± 2.154
pull
Entries 83
Mean 119.3
Std Dev 0

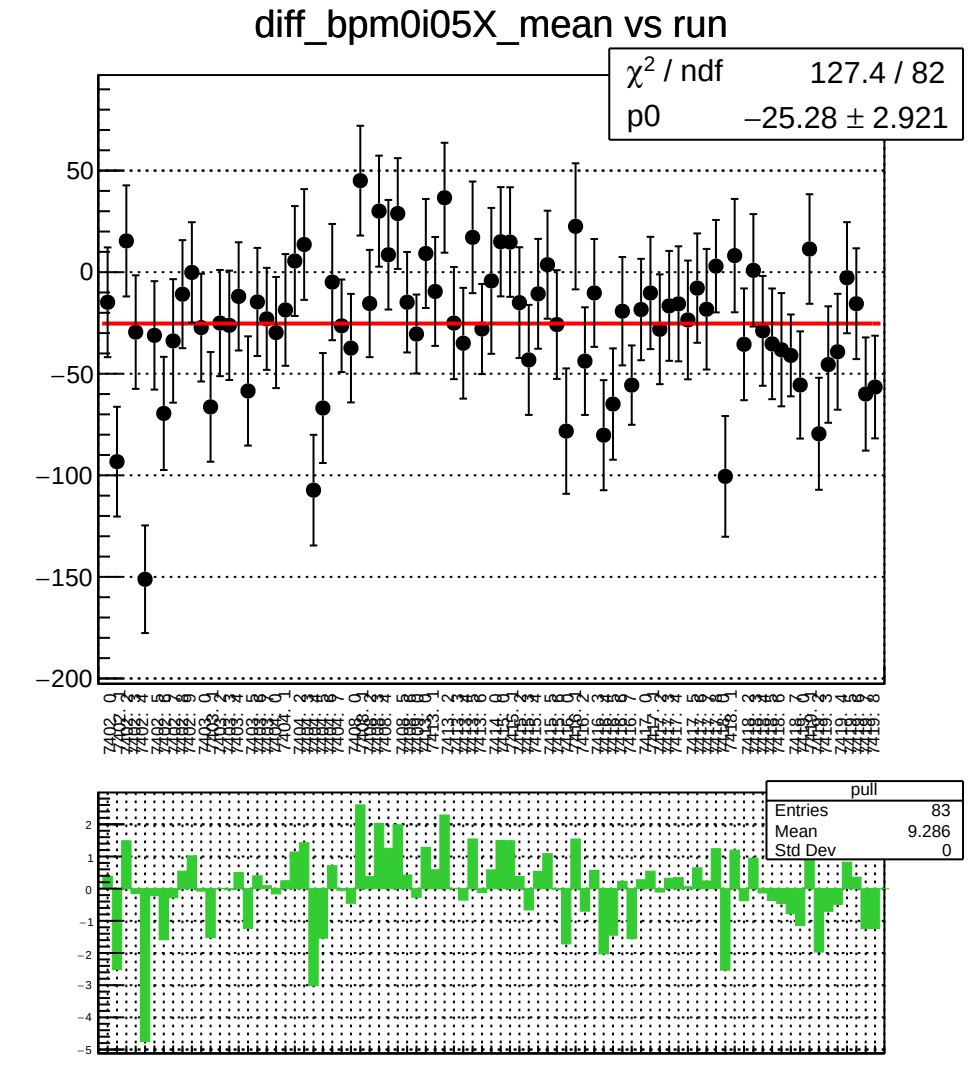

pull1D
Entries 83
Mean −0.01889
Std Dev 1.191

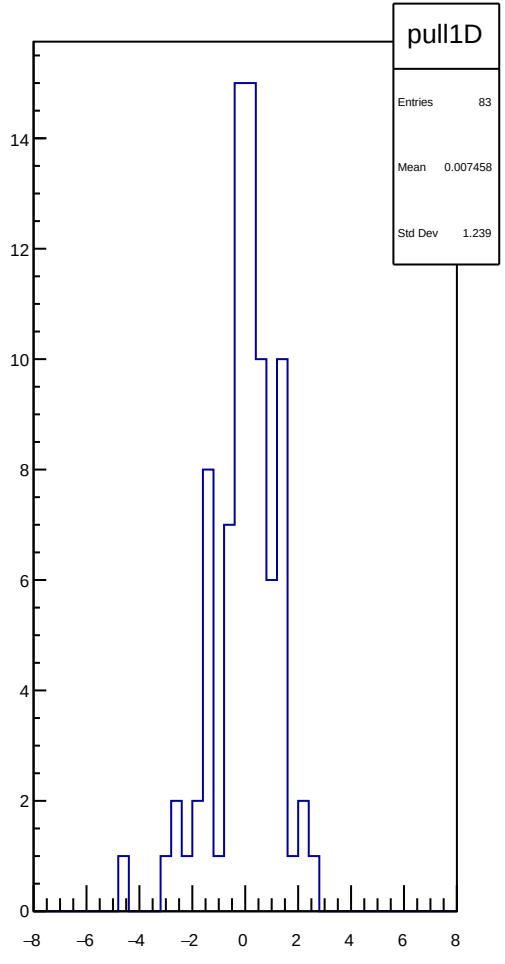

diff_bpm0i02aX_rms vs run
χ² / ndf 303 / 82
p0 1913 ± 1.523
1980
1960
1940
1920
1900
1880
1860
1840
1820

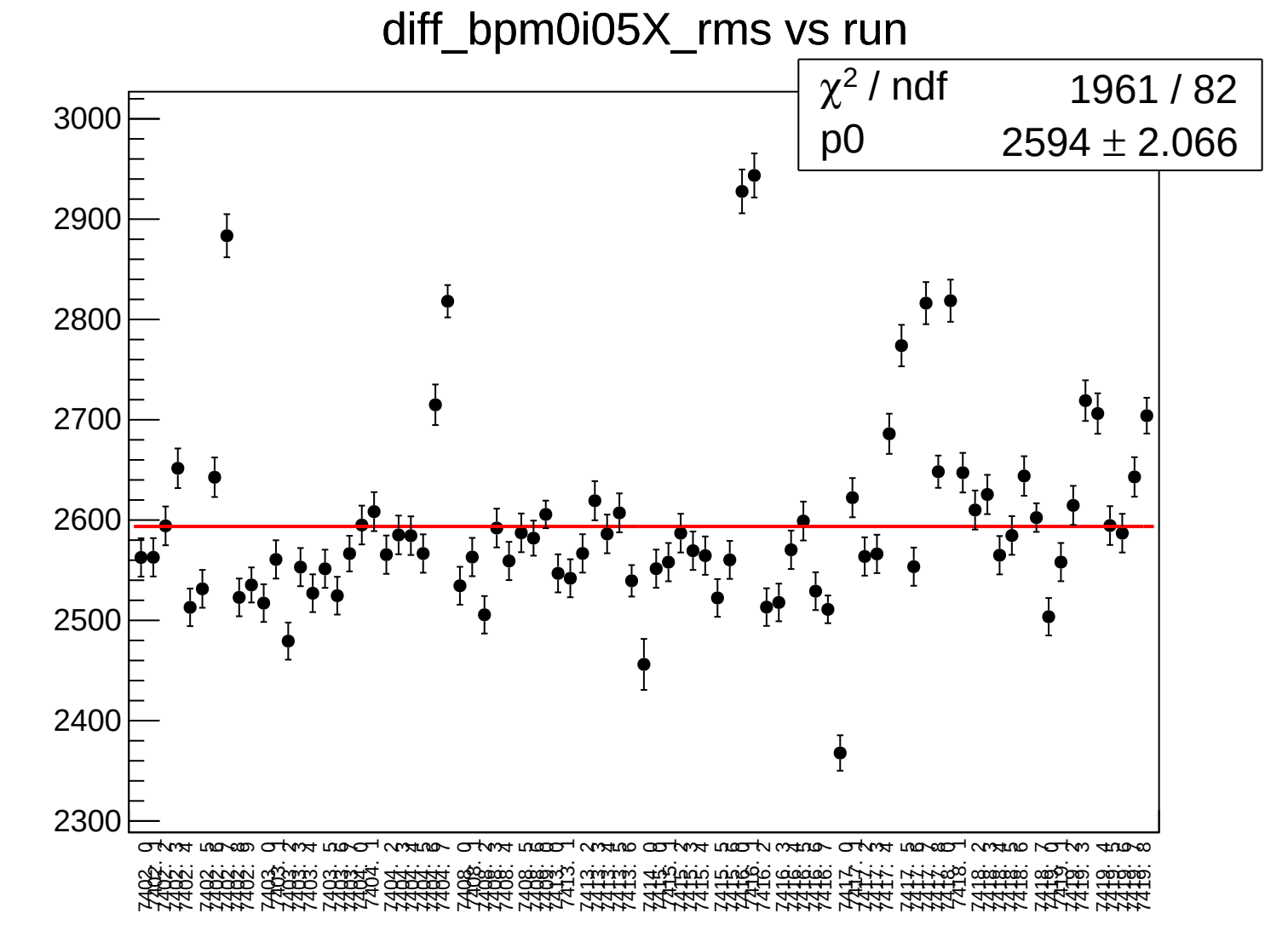

diff_bpm0i02aY_mean vs run
χ^2 / ndf 69.31 / 82
p0 20.48 ± 1.771
pull
Entries 83
Mean 710.3
Std Dev 0

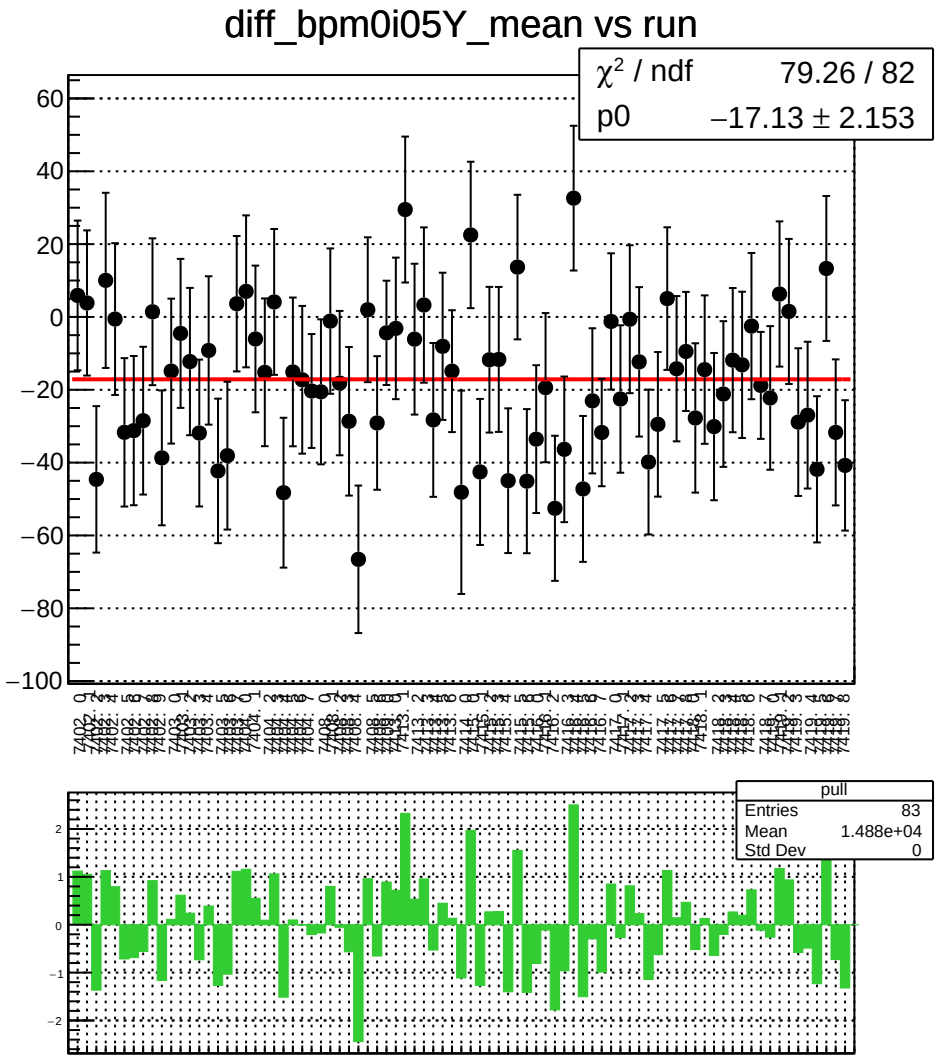

pull1D
Entries 83
Mean −0.003253
Std Dev 0.9138

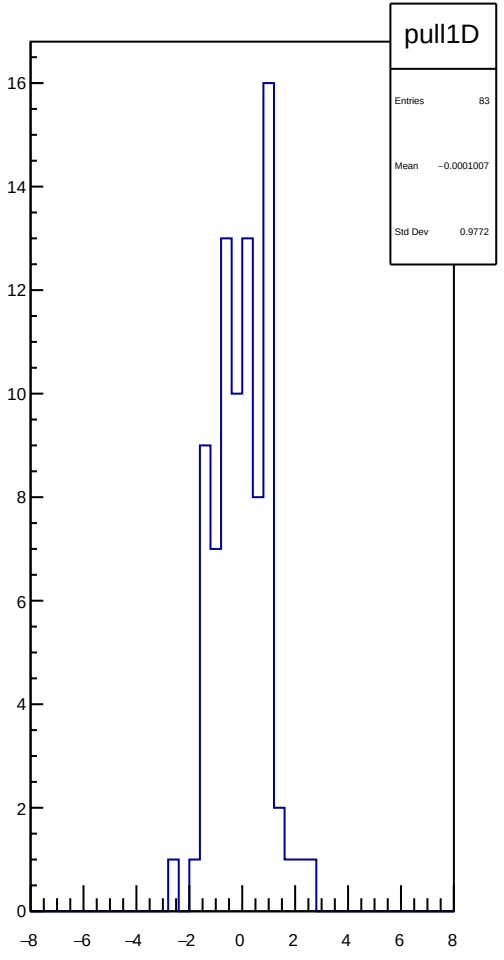

diff_bpm0i02aY_rms vs run
χ^2 / ndf 825.2 / 82
p0 1573 ± 1.252
1650
1600
1550
1500
1450
1400
1350

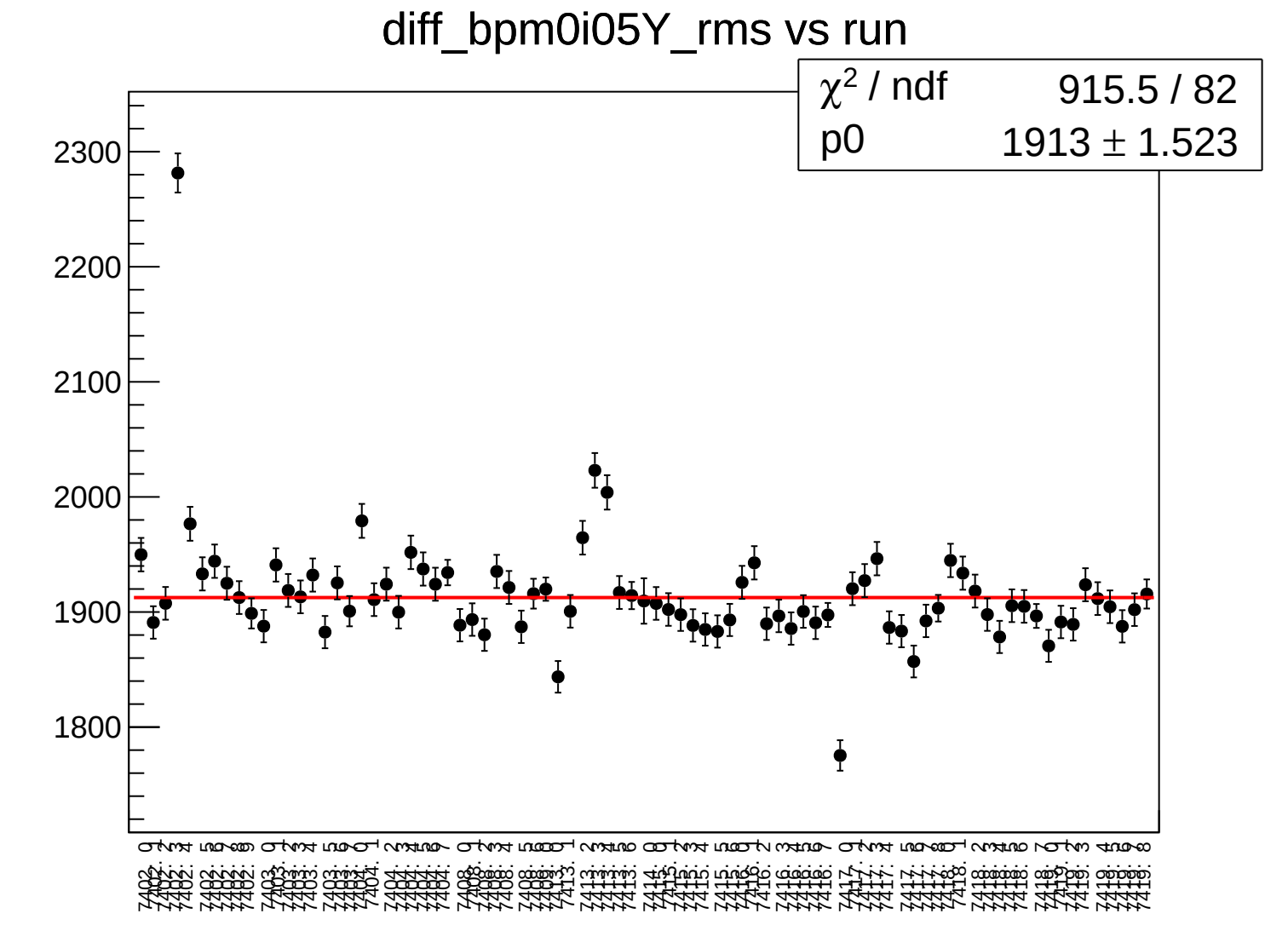

diff_bpm0i05X_mean vs run
χ² / ndf 127.4 / 82
p0 −25.28 ± 2.921
50
0
−50
−100
−150
−200
pull
Entries 83
Mean 9.286
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

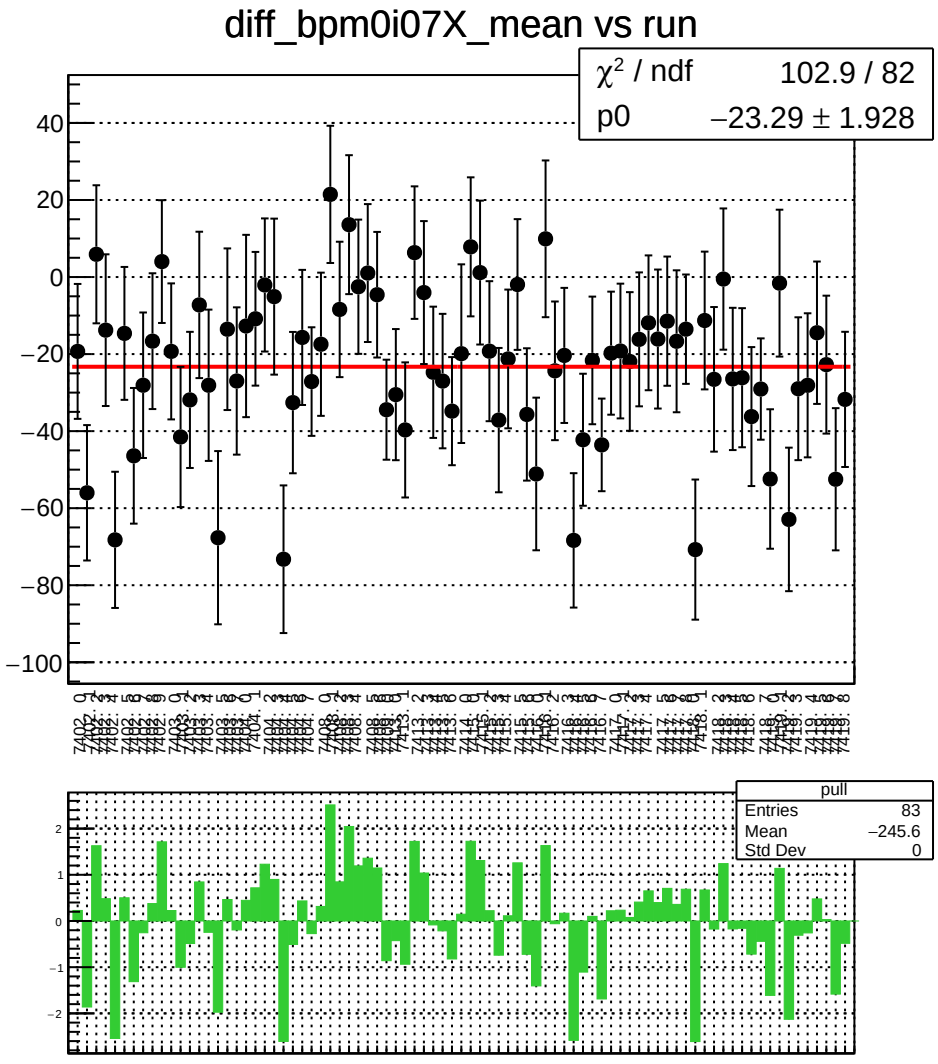

pull1D
Entries 83
Mean 0.007458
Std Dev 1.239
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

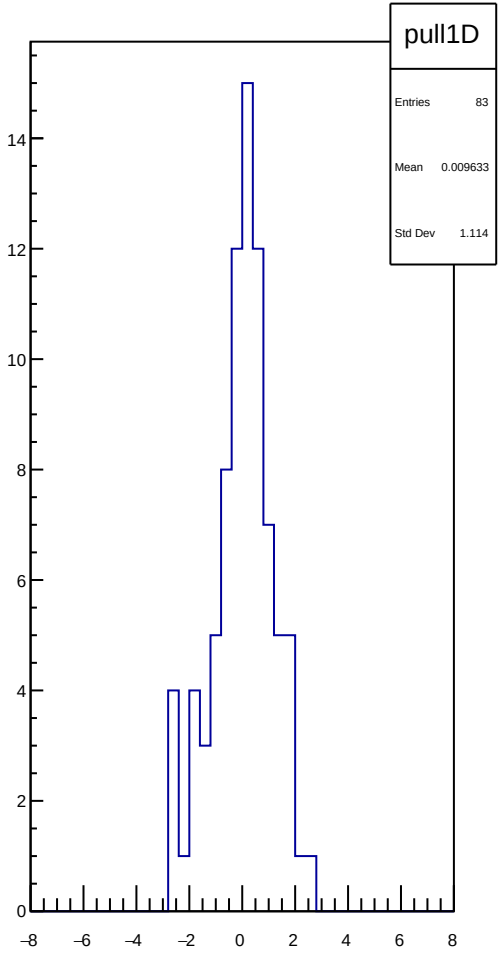

diff_bpm0i05X_rms vs run
χ² / ndf 1961 / 82
p0 2594 ± 2.066
3000
2900
2800
2700
2600
2500
2400
2300

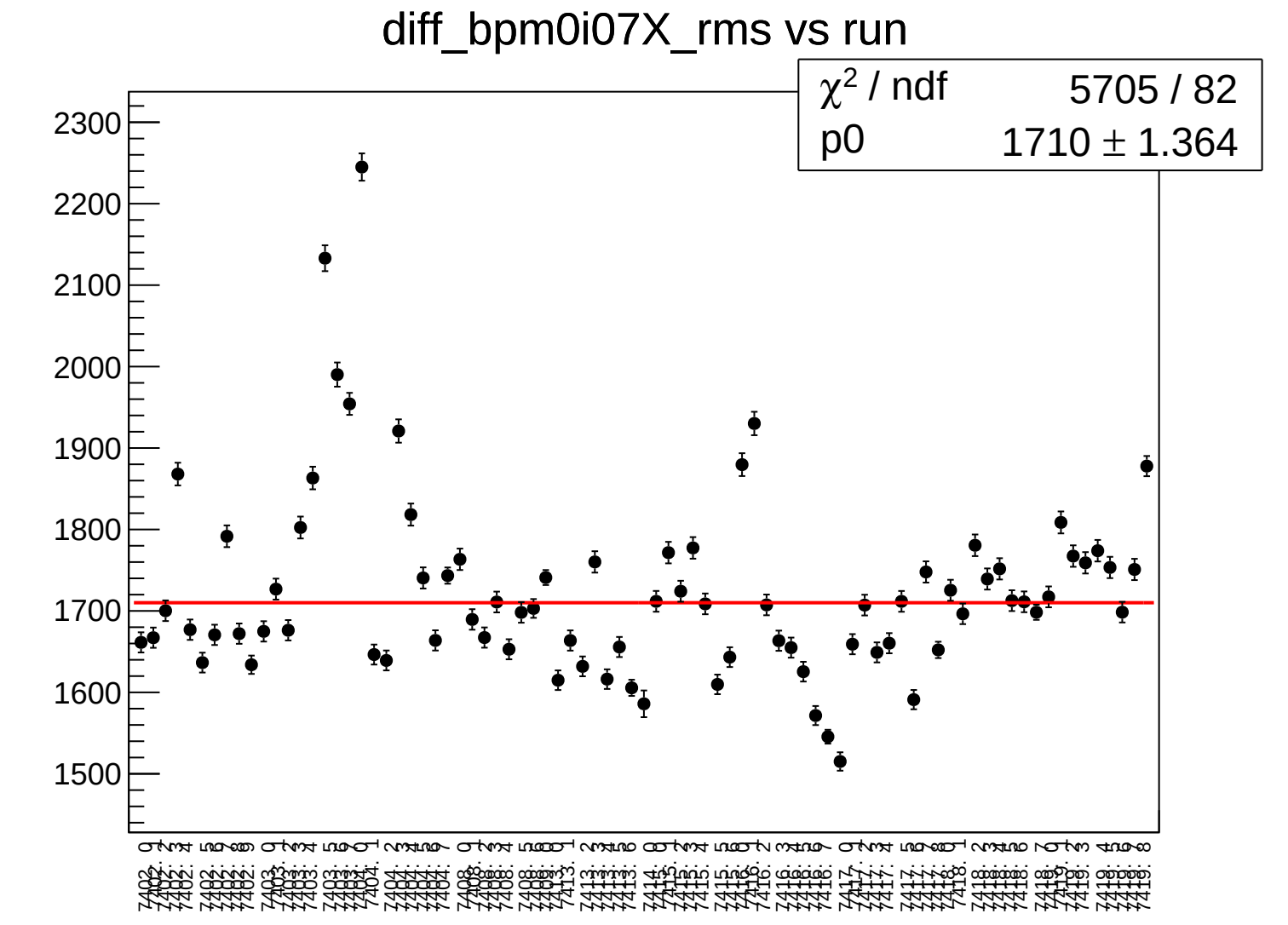

diff_bpm0i05Y_mean vs run
χ² / ndf 79.26 / 82
p0 −17.13 ± 2.153
pull
Entries 83
Mean 1.488e+04
Std Dev 0

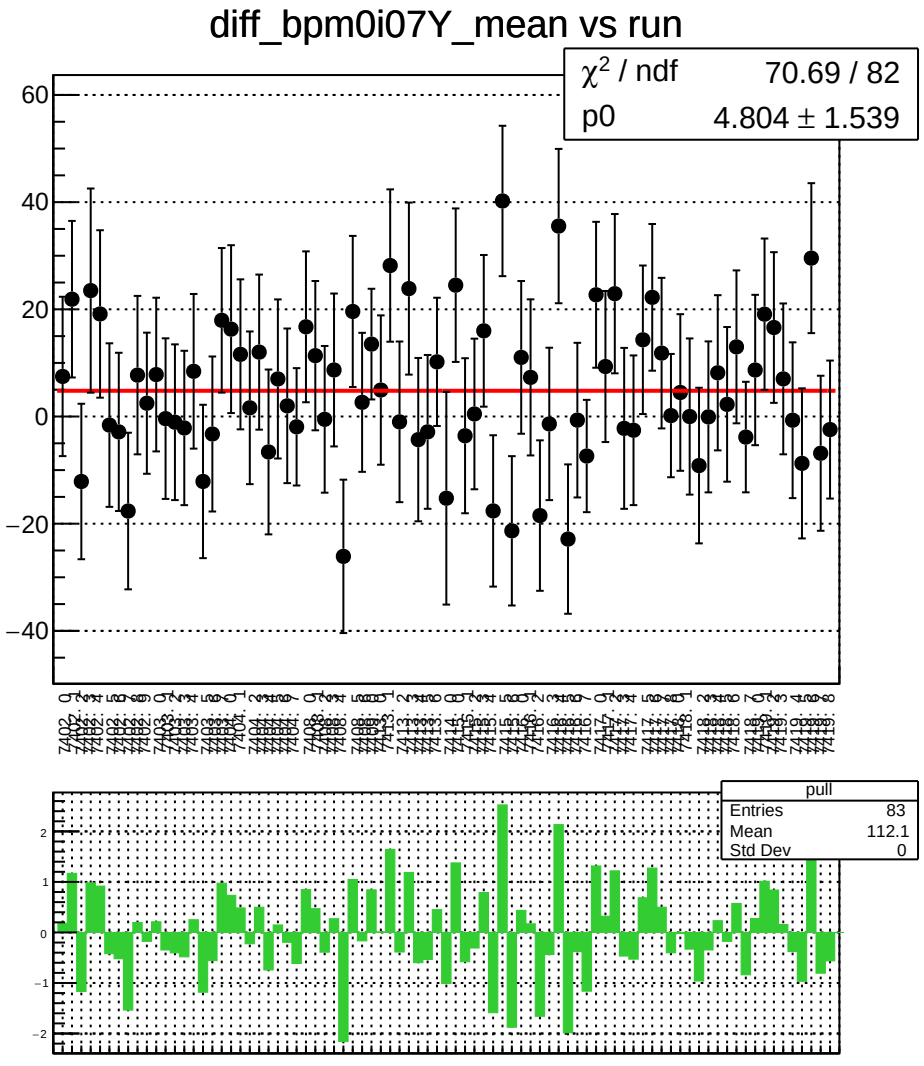

pull1D
Entries 83
Mean −0.0001007
Std Dev 0.9772

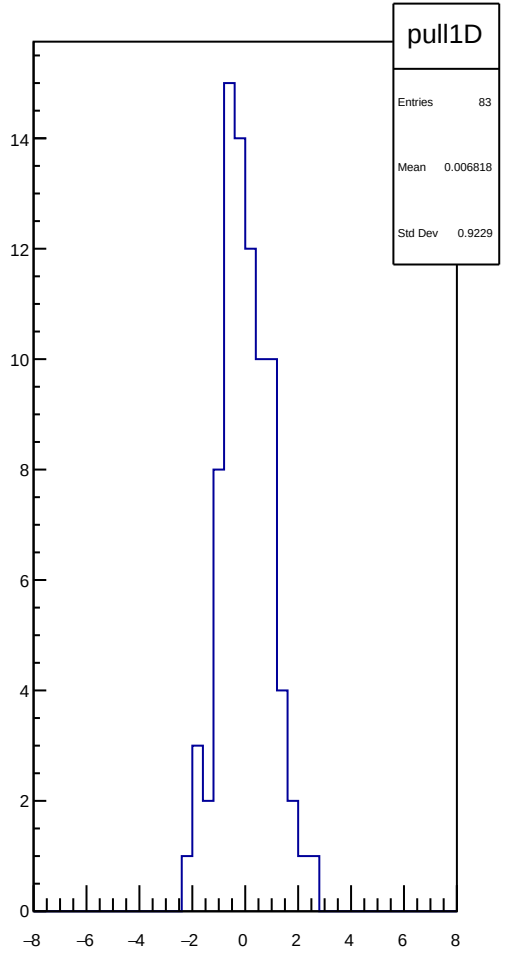

diff_bpm0i05Y_rms vs run
χ^2 / ndf 915.5 / 82
p0 1913 ± 1.523
2300
2200
2100
2000
1900
1800

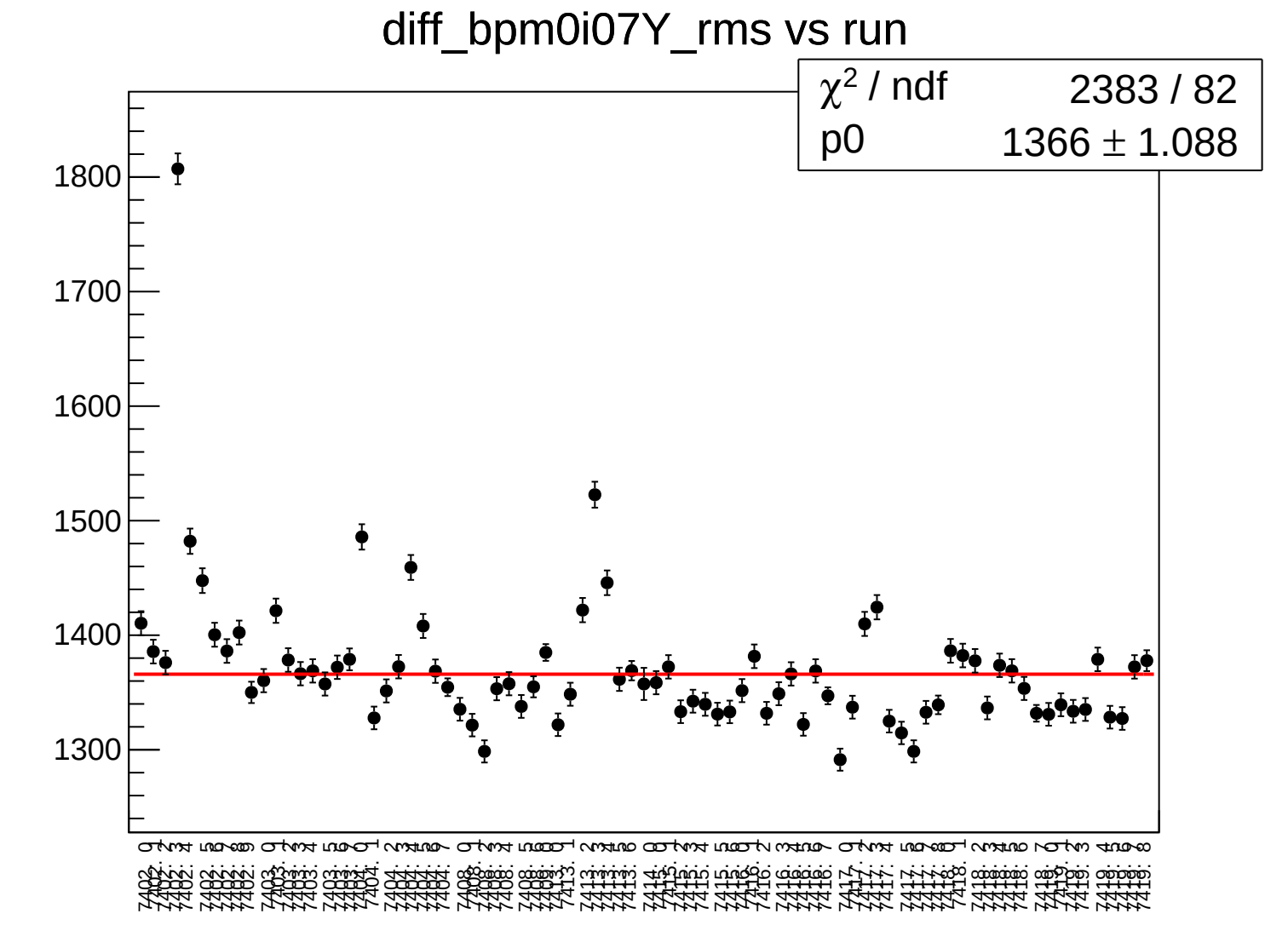

diff_bpm0i07X_mean vs run
χ² / ndf 102.9 / 82
p0 −23.29 ± 1.928
pull
Entries 83
Mean −245.6
Std Dev 0

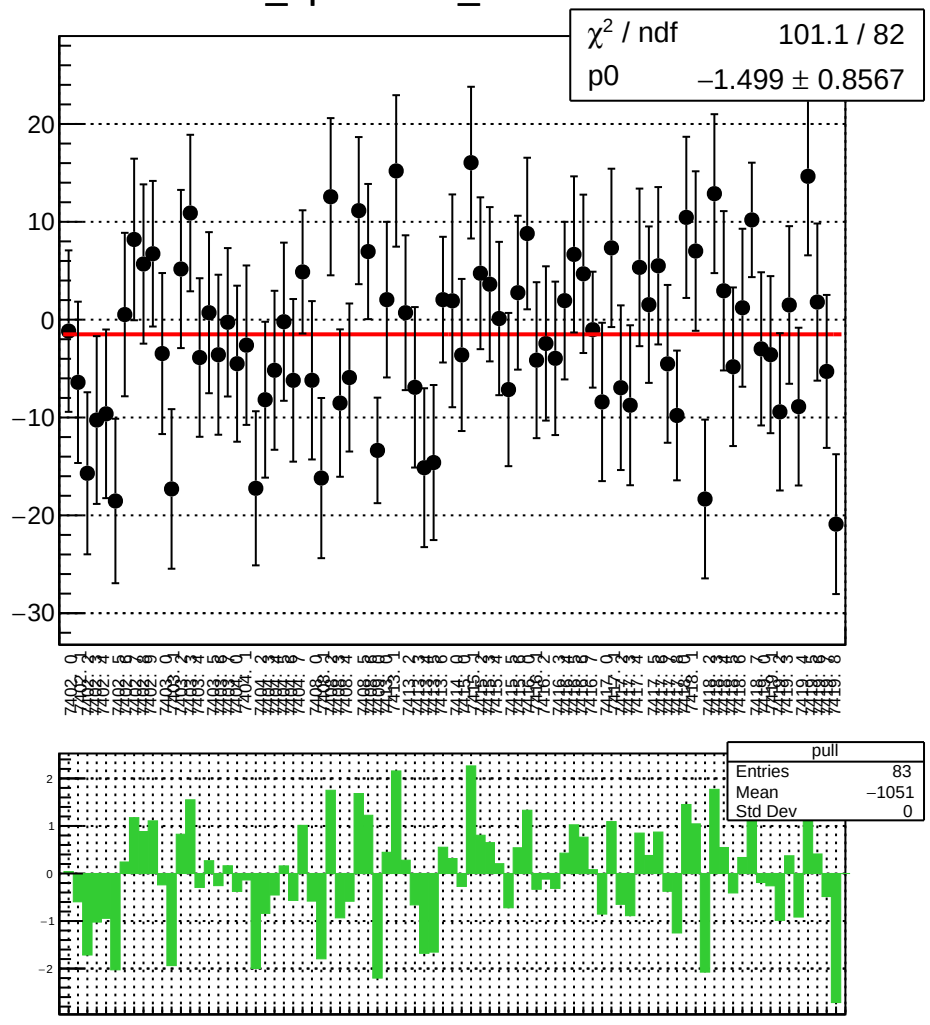

pull1D
Entries 83
Mean 0.009633
Std Dev 1.114

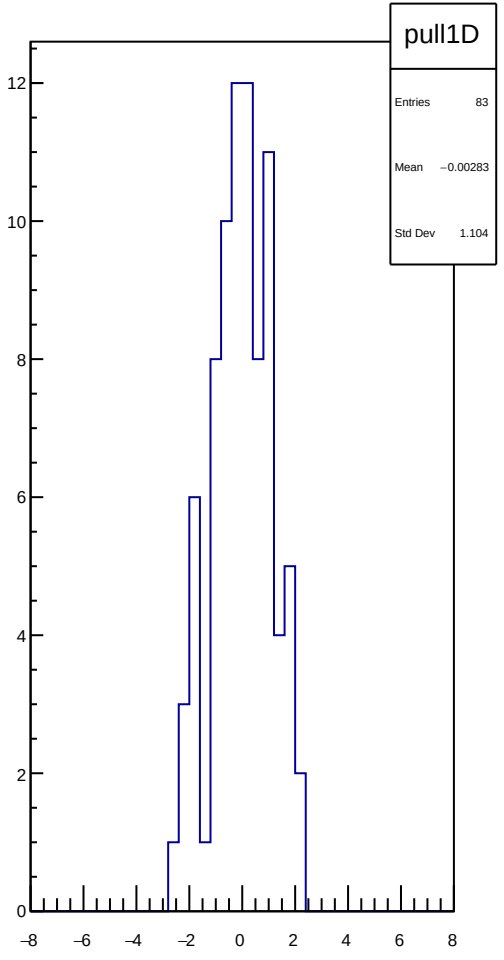

diff_bpm0i07X_rms vs run
χ^2 / ndf 5705 / 82
p0 1710 ± 1.364
2300
2200
2100
2000
1900
1800
1700
1600
1500

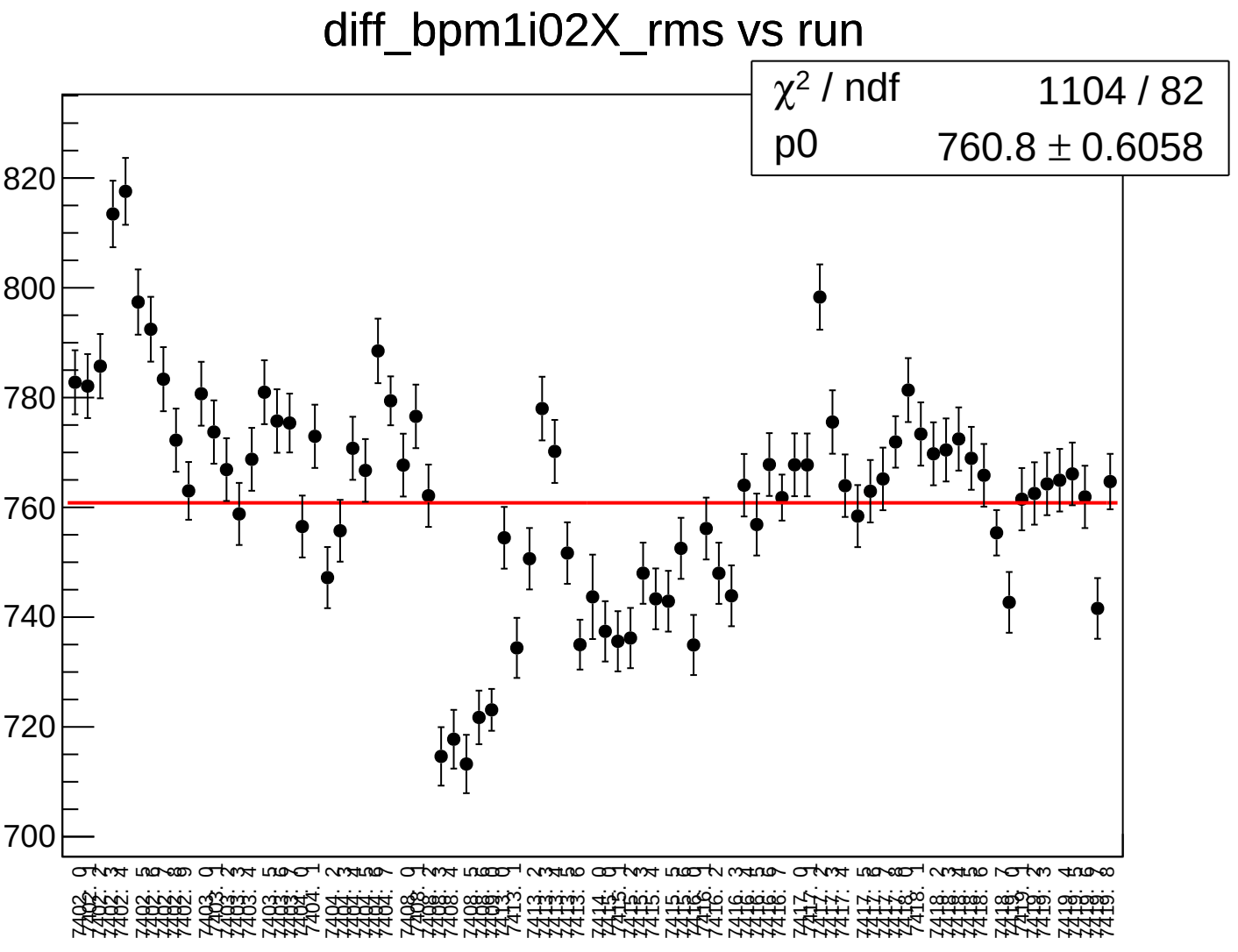

diff_bpm0i07Y_mean vs run
χ² / ndf 70.69 / 82
p0 4.804 ± 1.539
pull
Entries 83
Mean 112.1
Std Dev 0

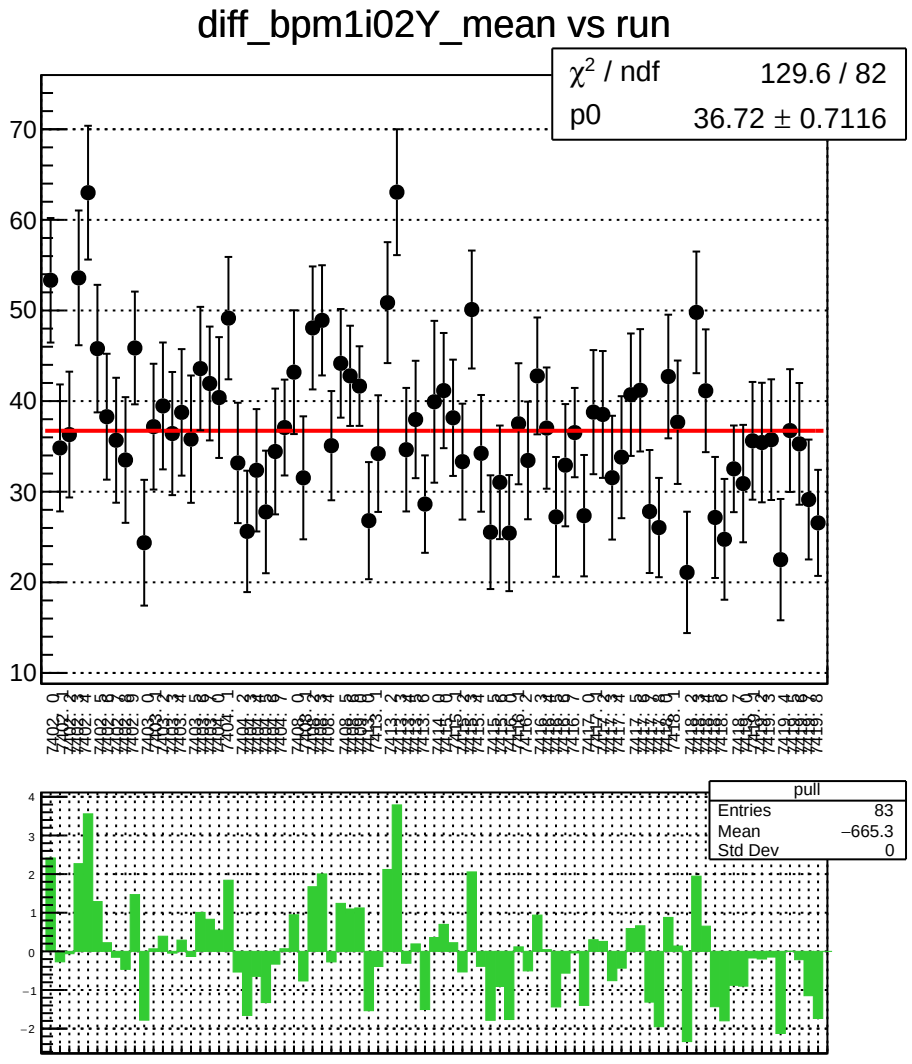

pull1D
Entries 83
Mean 0.006818
Std Dev 0.9229

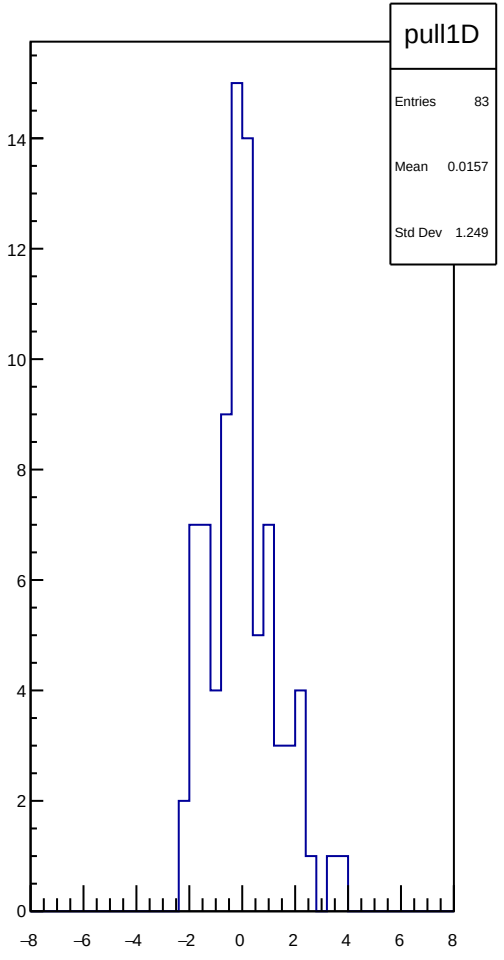

diff_bpm0i07Y_rms vs run
χ² / ndf 2383 / 82
p0 1366 ± 1.088
1800
1700
1600
1500
1400
1300

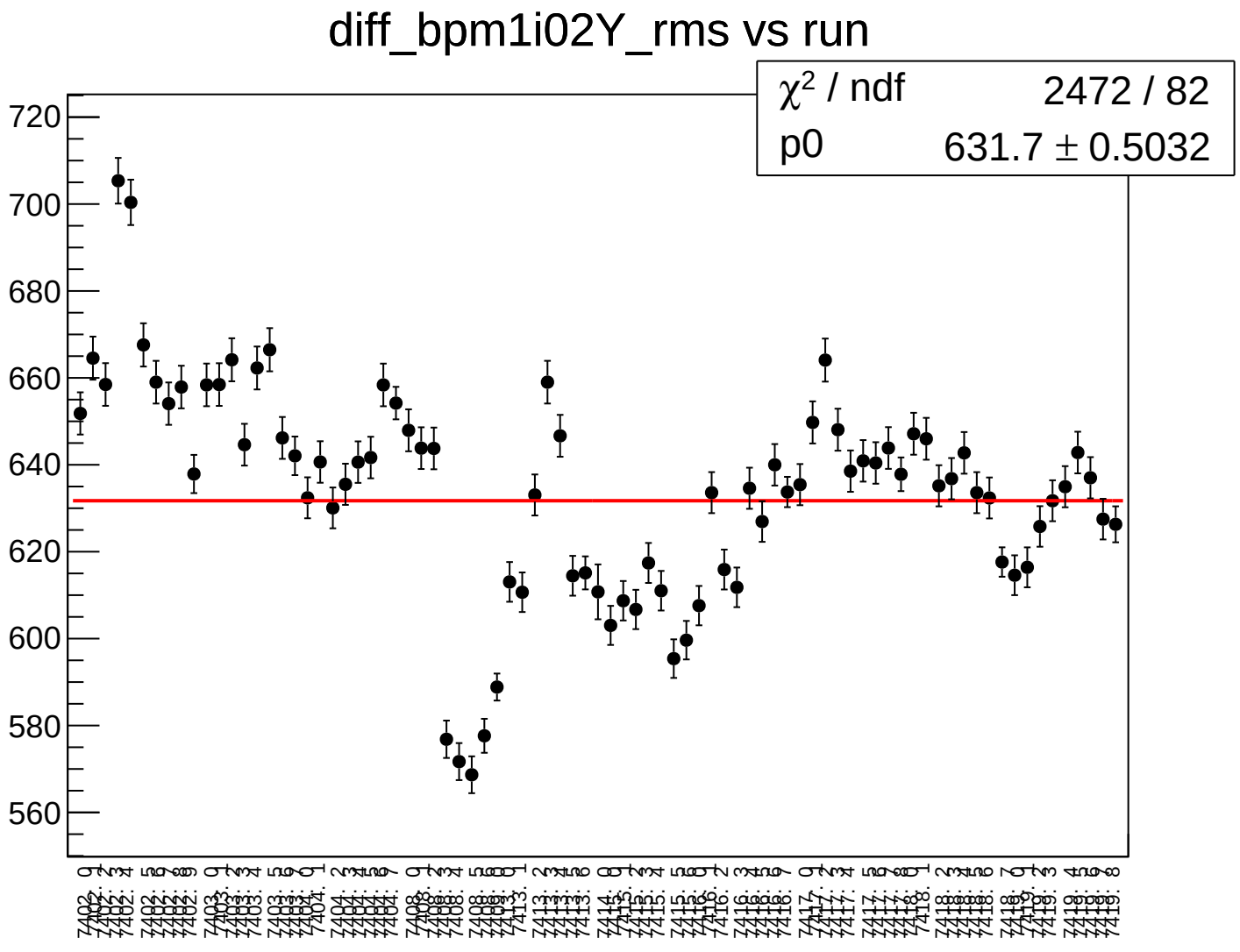

diff_bpm1i02X_mean vs run
χ² / ndf 101.1 / 82
p0 −1.499 ± 0.8567
pull
Entries 83
Mean −1051
Std Dev 0

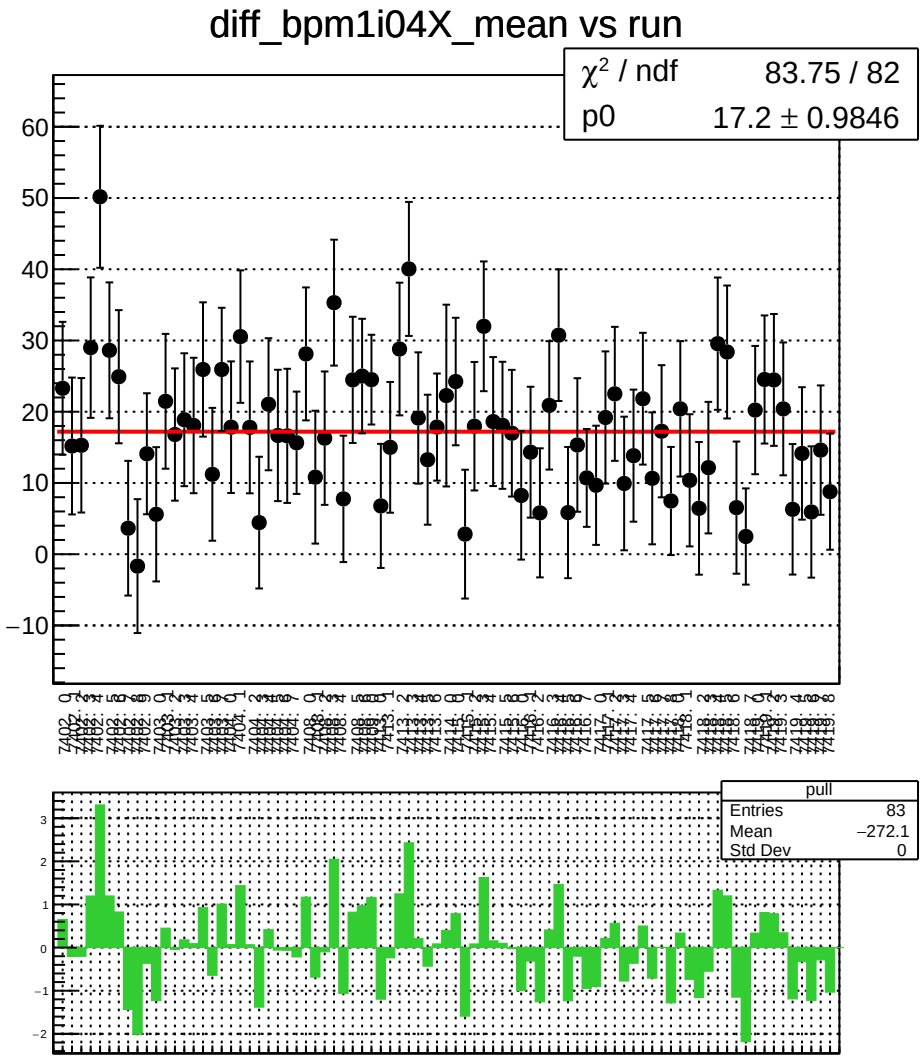

pull1D
Entries 83
Mean −0.00283
Std Dev 1.104

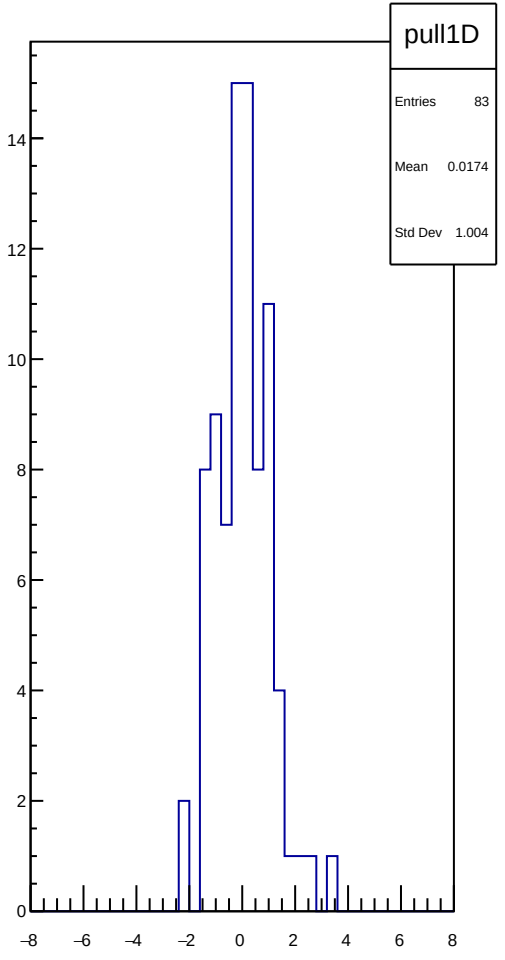

diff_bpm1i02X_rms vs run
χ² / ndf 1104 / 82
p0 760.8 ± 0.6058
820
800
780
760
740
720
700

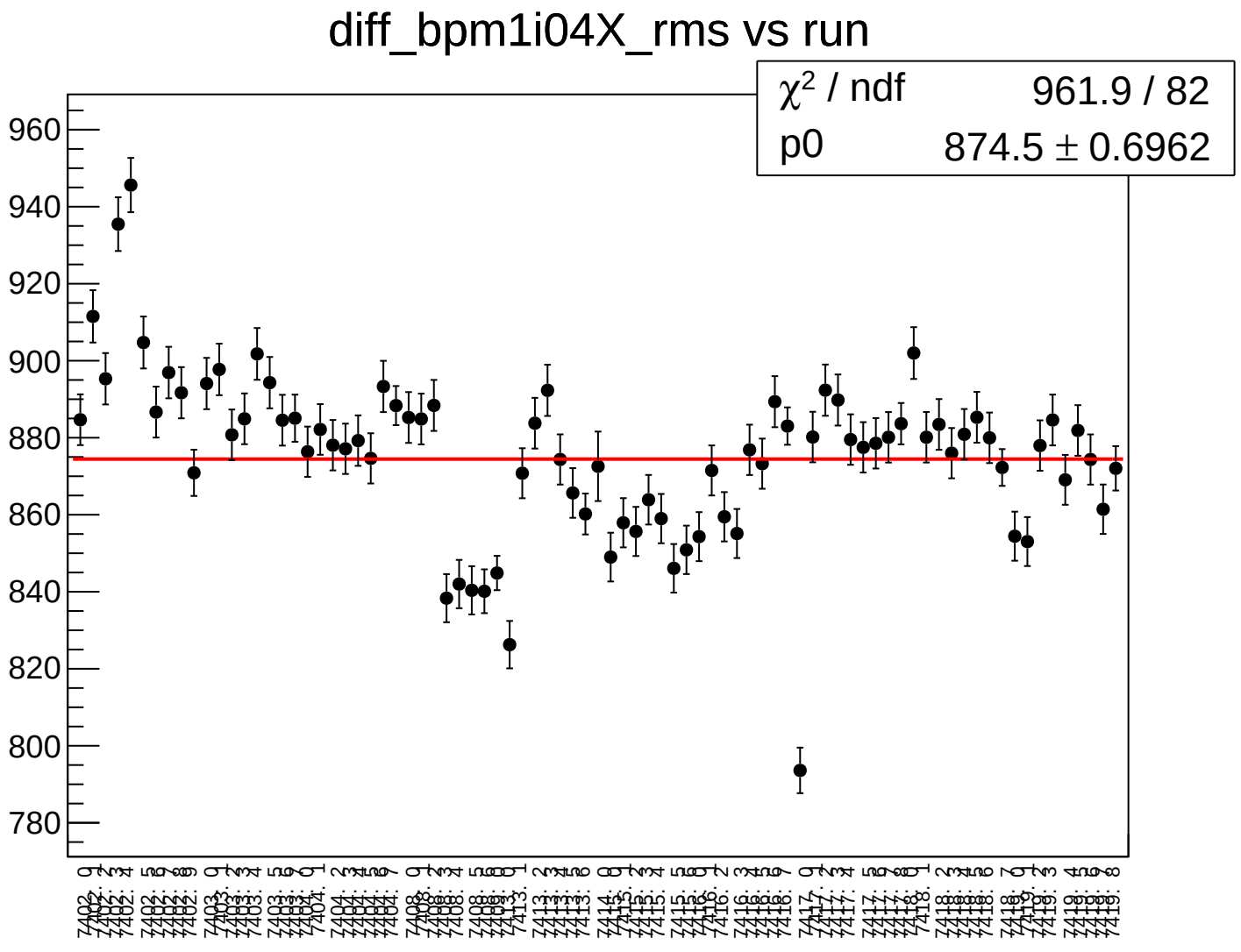

diff_bpm1i02Y_mean vs run
χ^2 / ndf 129.6 / 82
p0 36.72 ± 0.7116
pull
Entries 83
Mean −665.3
Std Dev 0

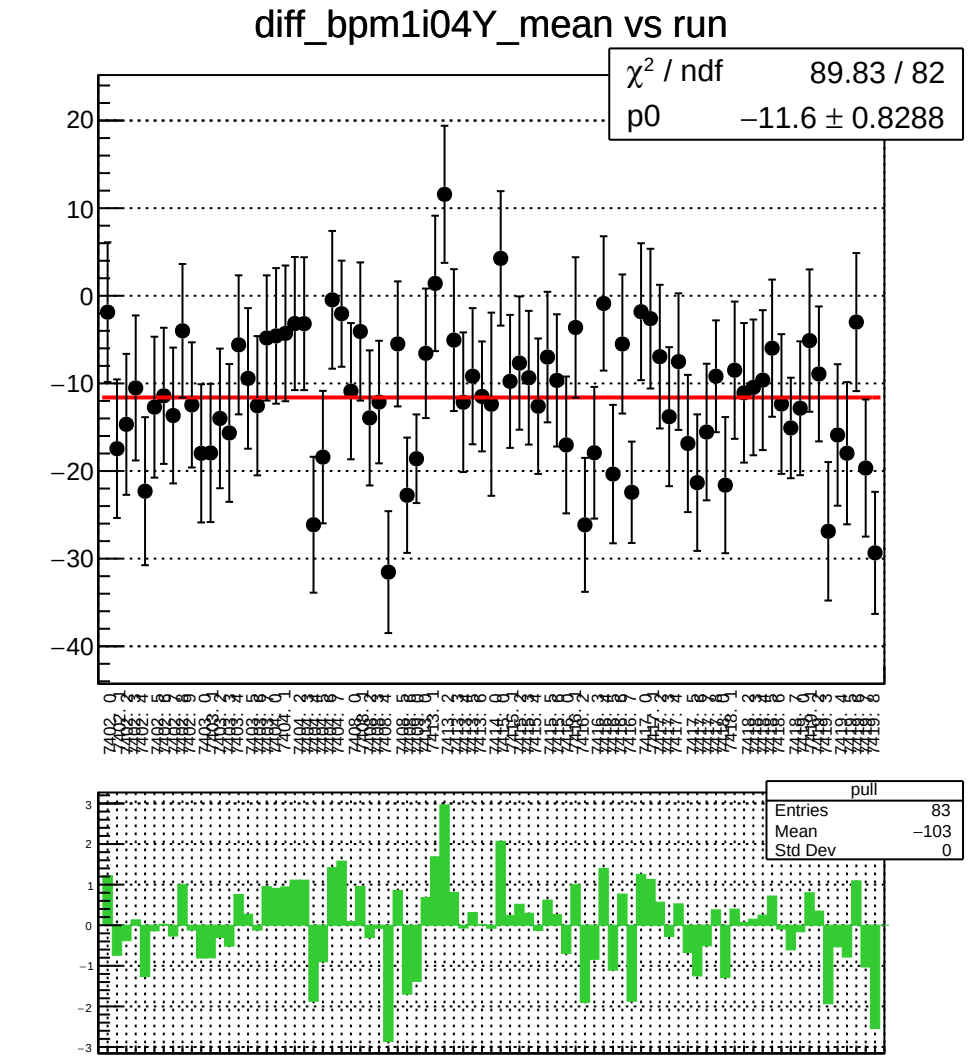

pull1D
Entries 83
Mean 0.0157
Std Dev 1.249

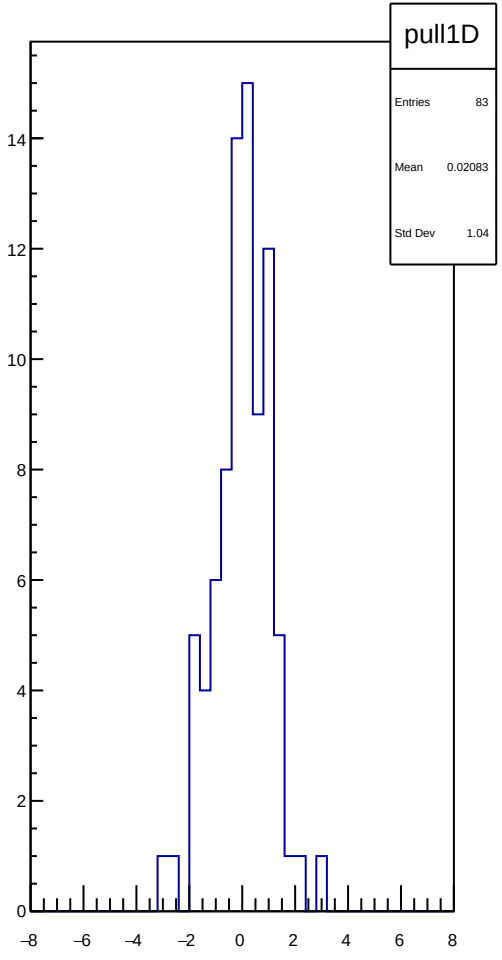

diff_bpm1i02Y_rms vs run
χ² / ndf 2472 / 82
p0 631.7 ± 0.5032
720
700
680
660
640
620
600
580
560

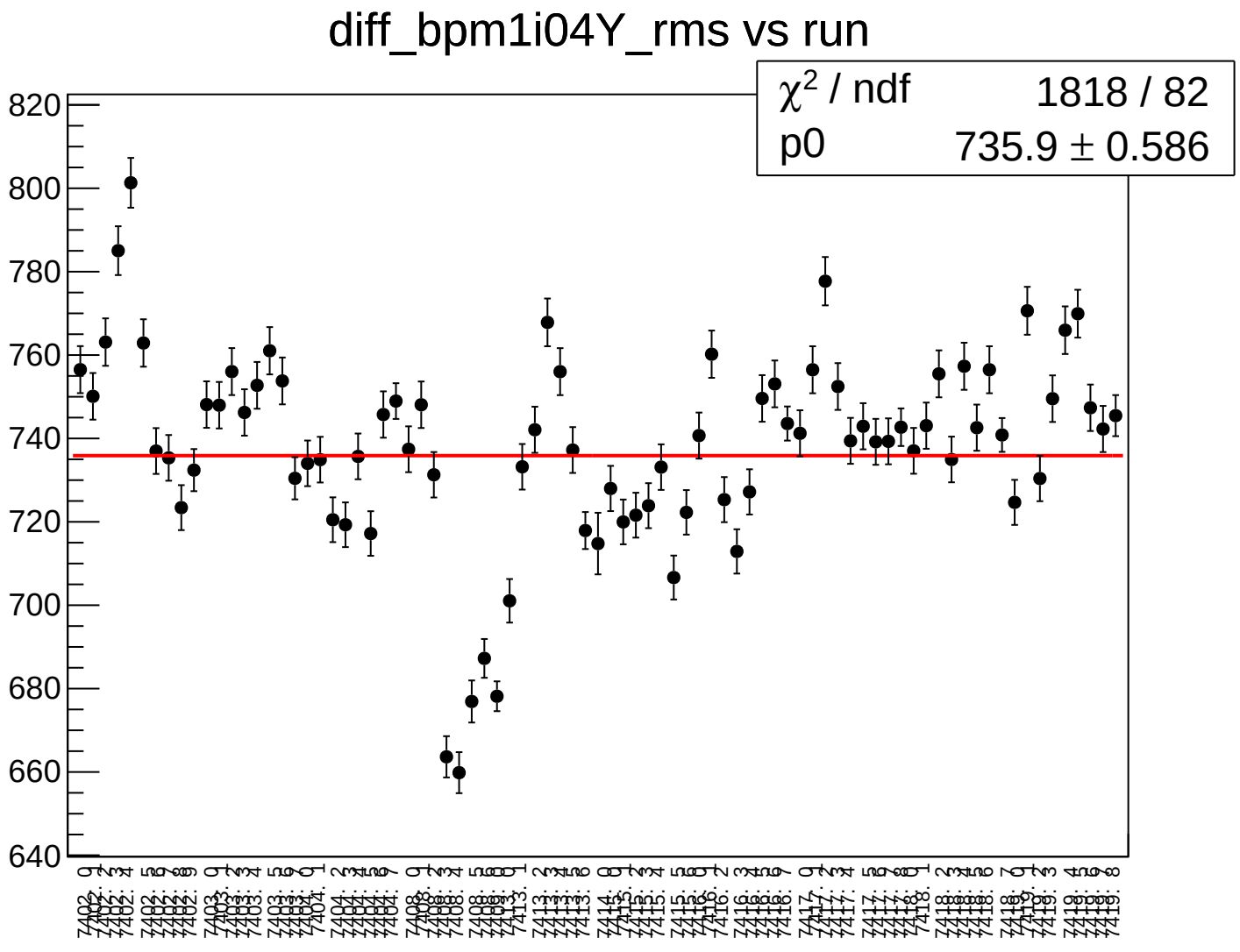

diff_bpm1i04X_mean vs run
χ^2 / ndf 83.75 / 82
p0 17.2 ± 0.9846
pull
Entries 83
Mean −272.1
Std Dev 0

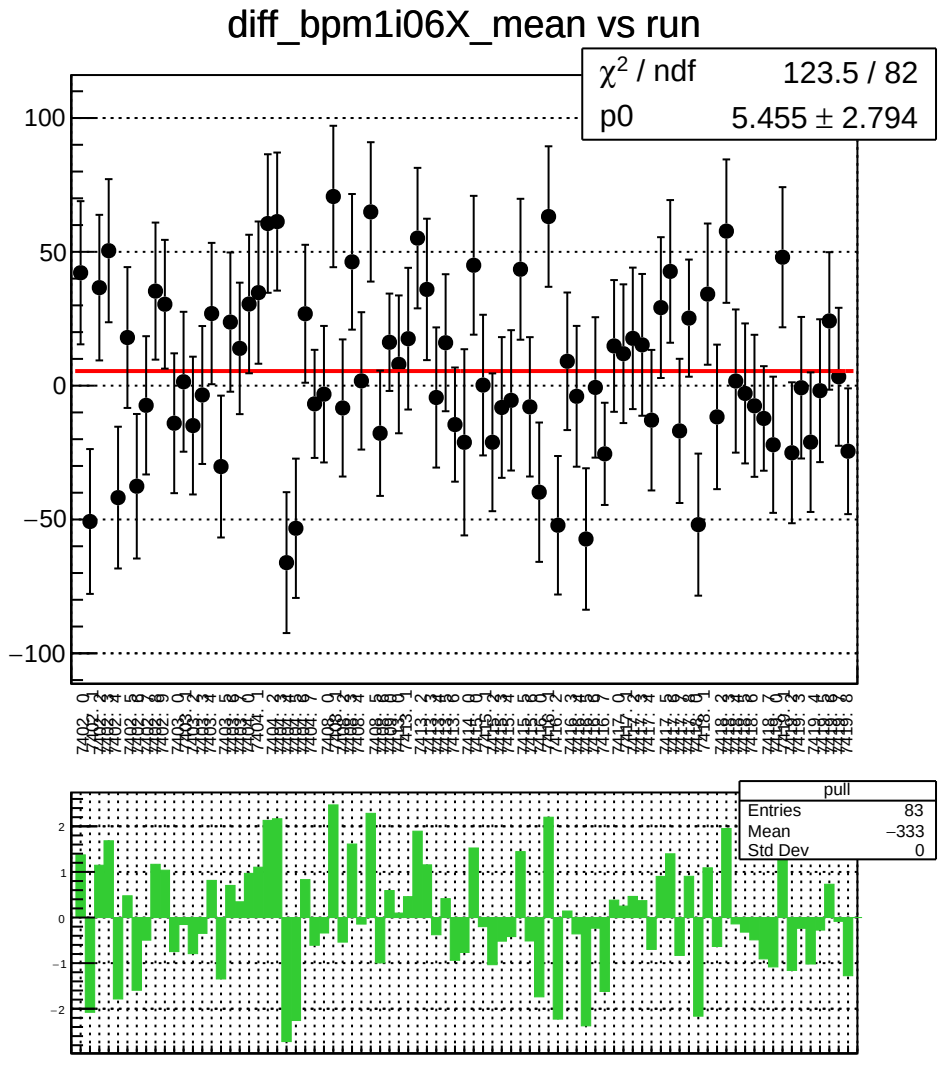

pull1D
Entries 83
Mean 0.0174
Std Dev 1.004

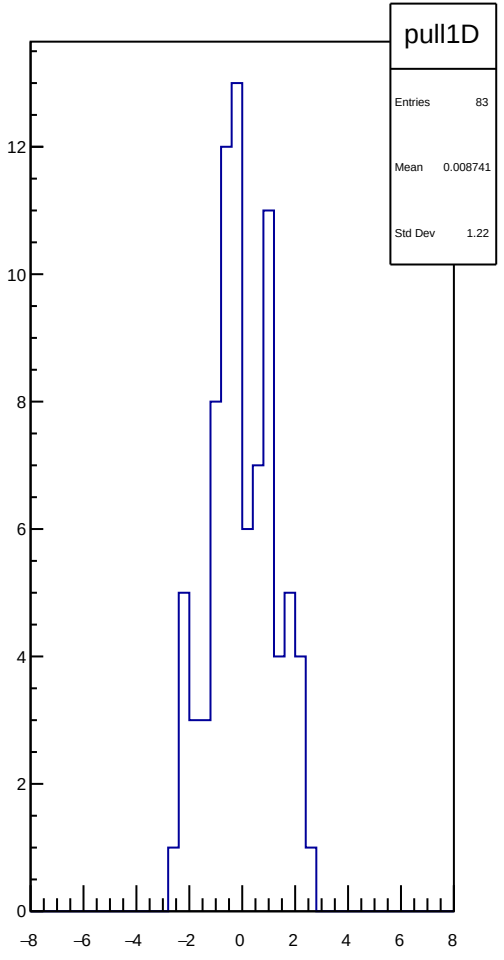

diff_bpm1i04X_rms vs run
χ² / ndf 961.9 / 82
p0 874.5 ± 0.6962
960
940
920
900
880
860
840
820
800
780

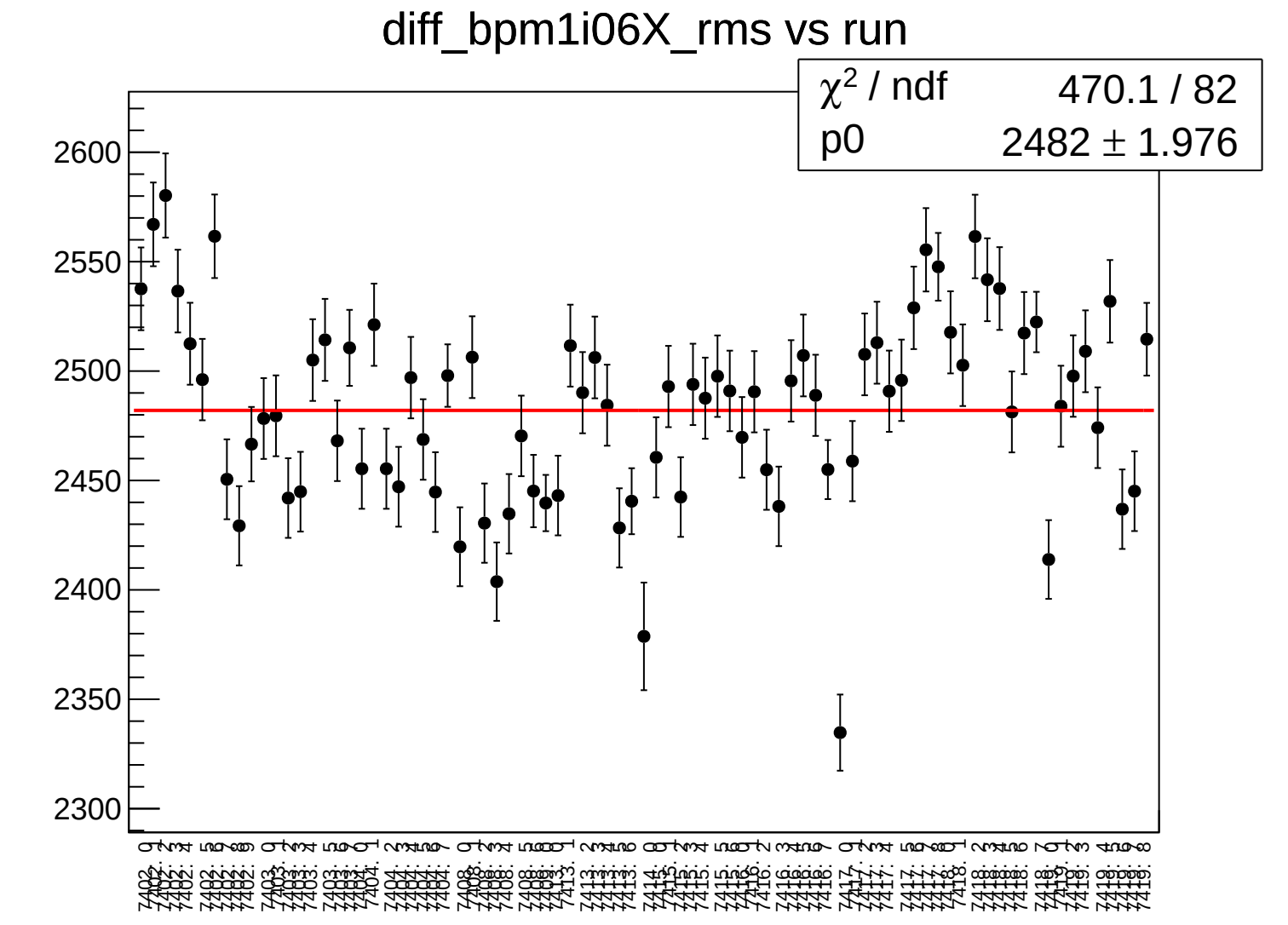

diff_bpm1i04Y_mean vs run
χ^2 / ndf 89.83 / 82
p0 −11.6 ± 0.8288
pull
Entries 83
Mean −103
Std Dev 0

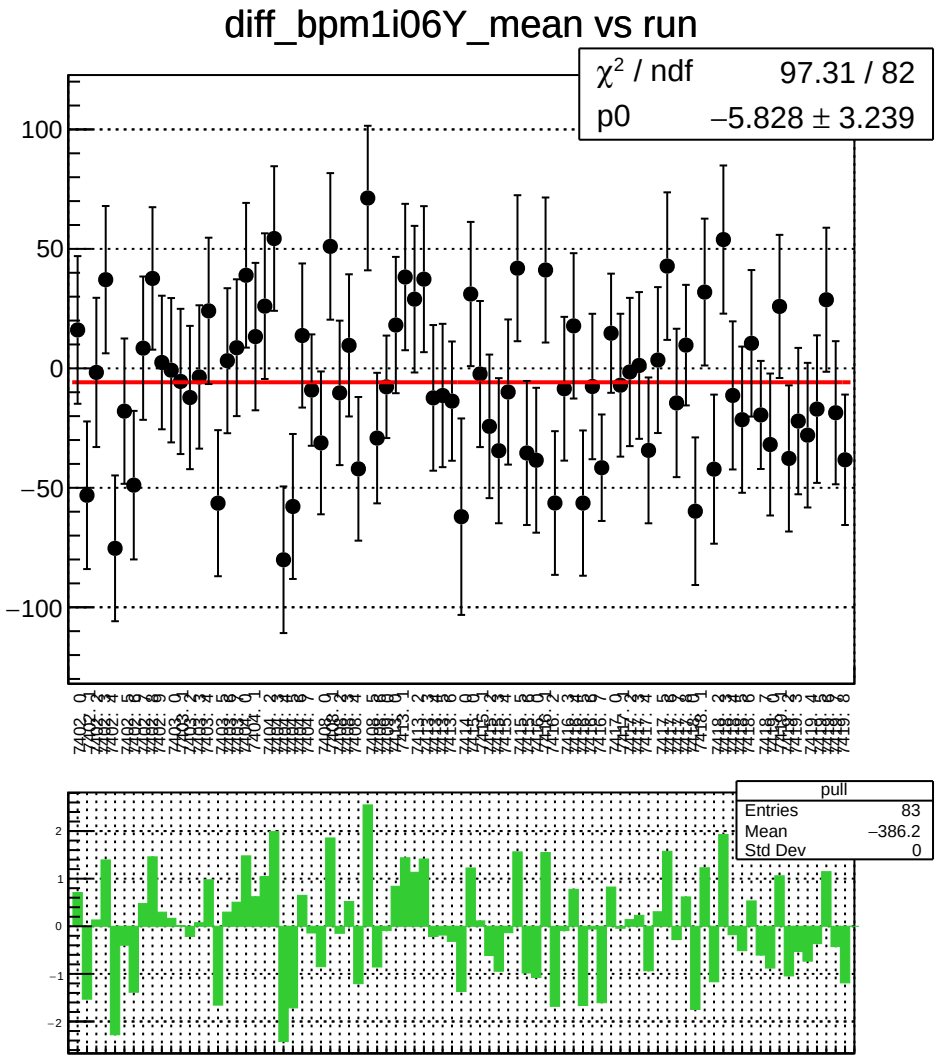

pull1D
Entries 83
Mean 0.02083
Std Dev 1.04

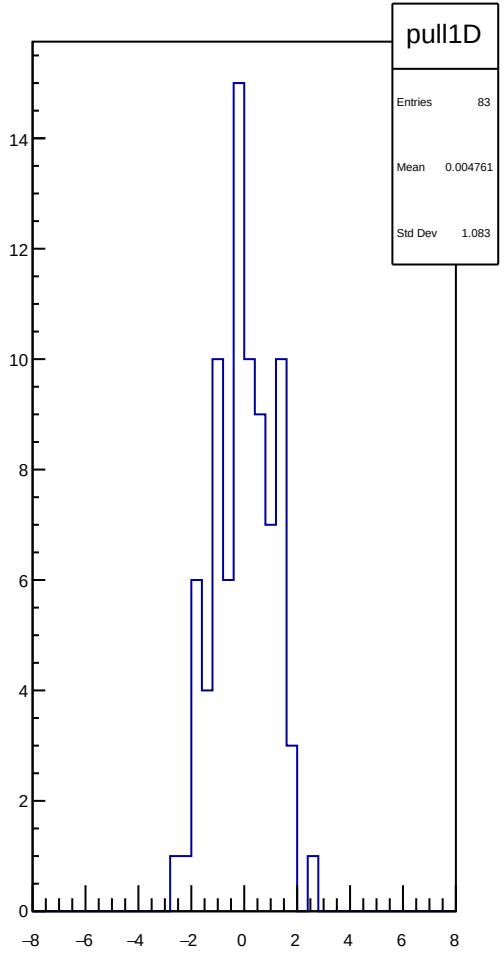

diff_bpm1i04Y_rms vs run
χ² / ndf 1818 / 82
p0 735.9 ± 0.586
820
800
780
760
740
720
700
680
660
640

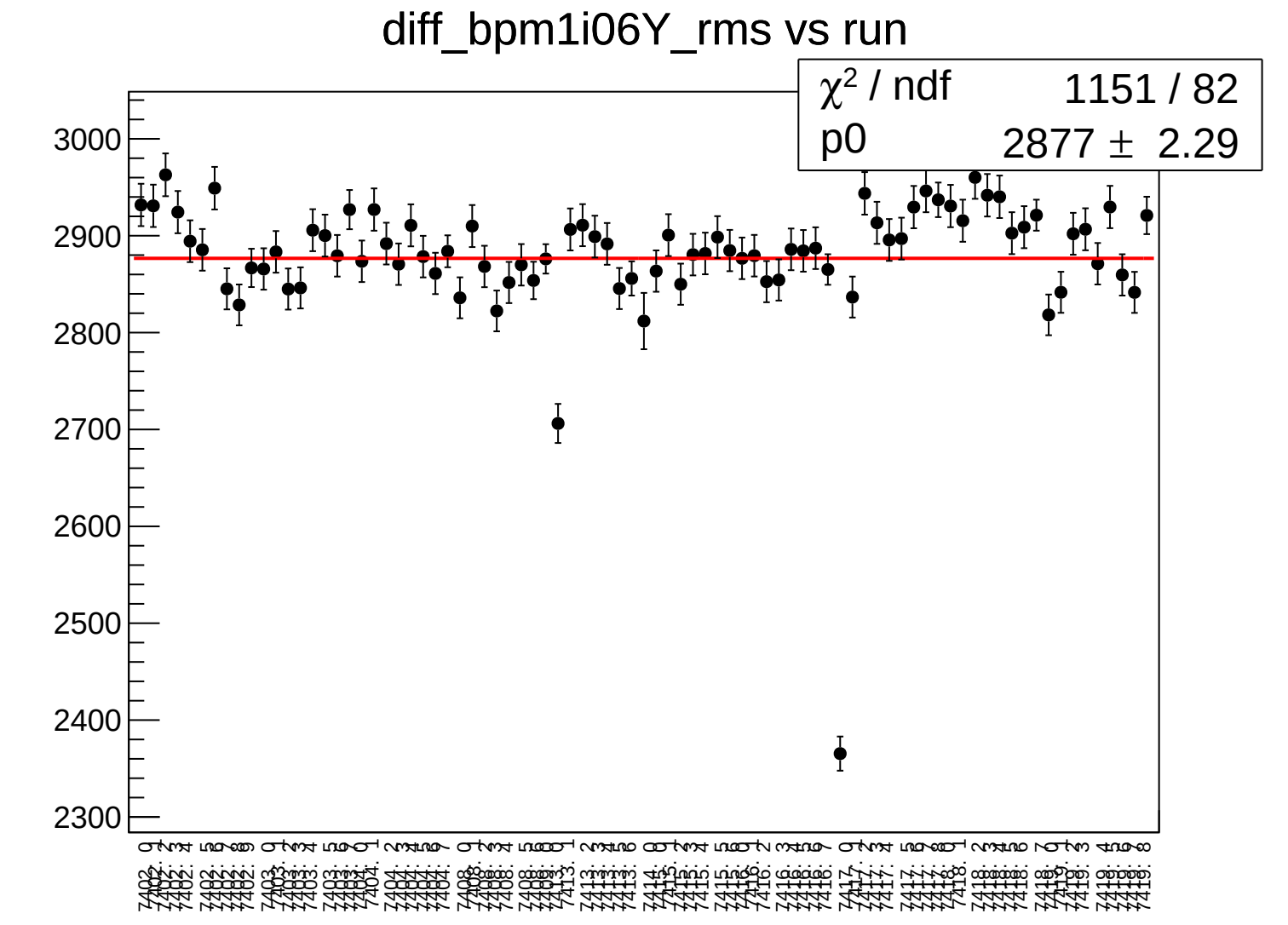

diff_bpm1i06X_mean vs run
χ^2 / ndf 123.5 / 82
p0 5.455 ± 2.794
100
50
0
−50
−100
pull
Entries 83
Mean −333
Std Dev 0
2
1
0
−1
−2

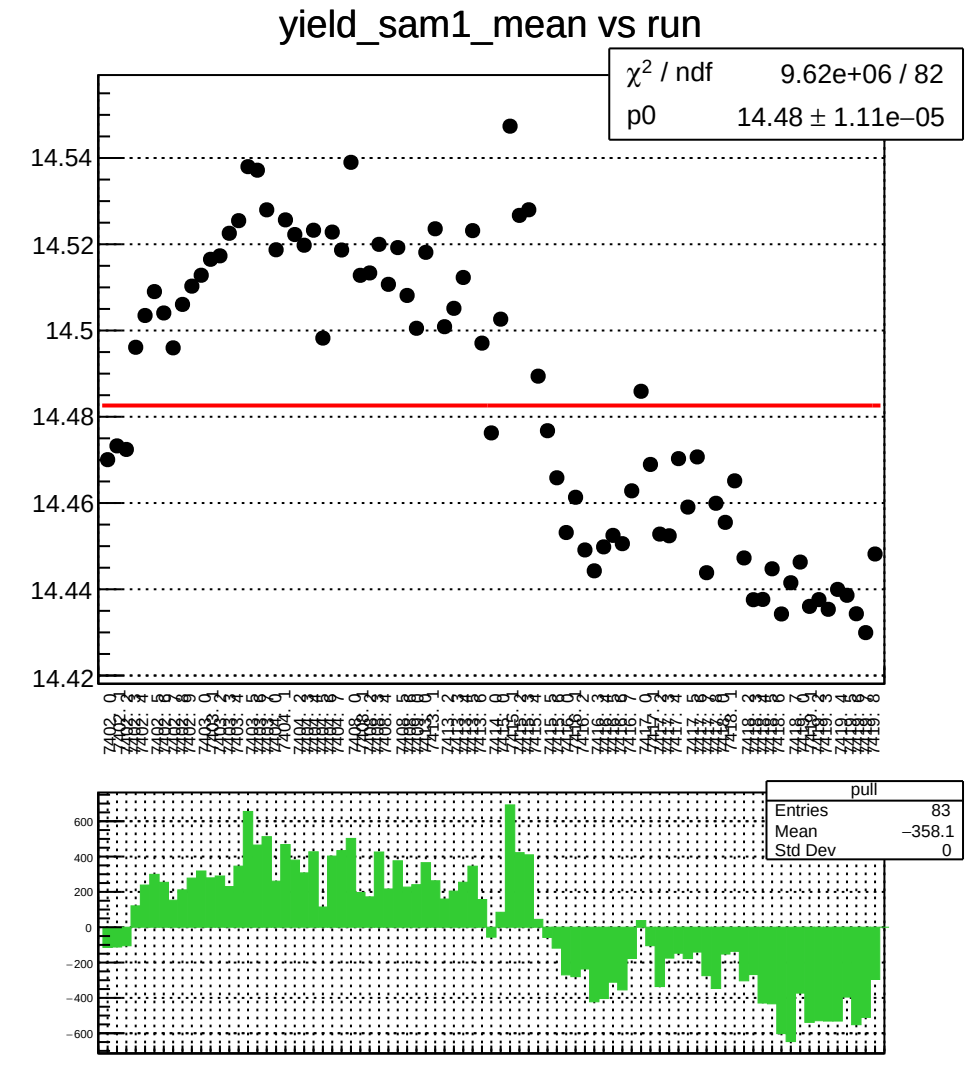

pull1D
Entries 83
Mean 0.008741
Std Dev 1.22
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

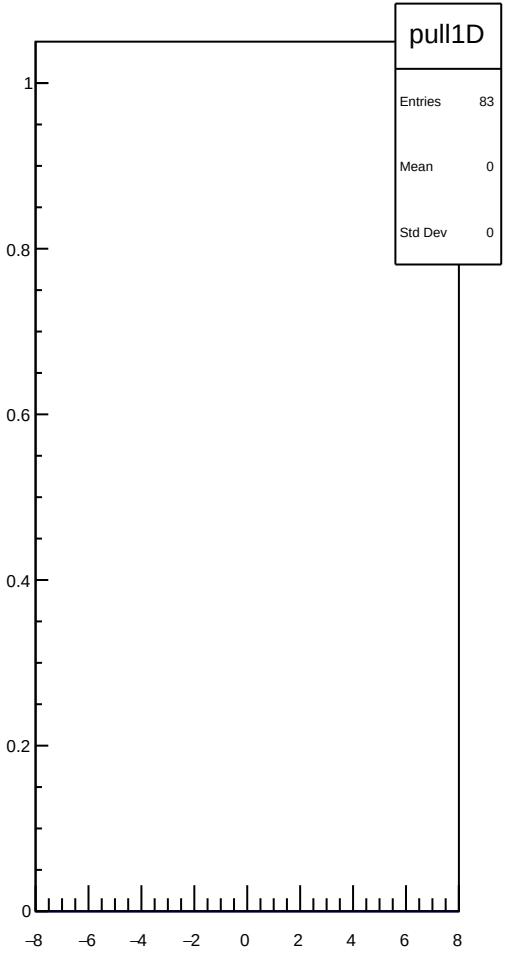

diff_bpm1i06X_rms vs run
χ² / ndf 470.1 / 82
p0 2482 ± 1.976
2600
2550
2500
2450
2400
2350
2300

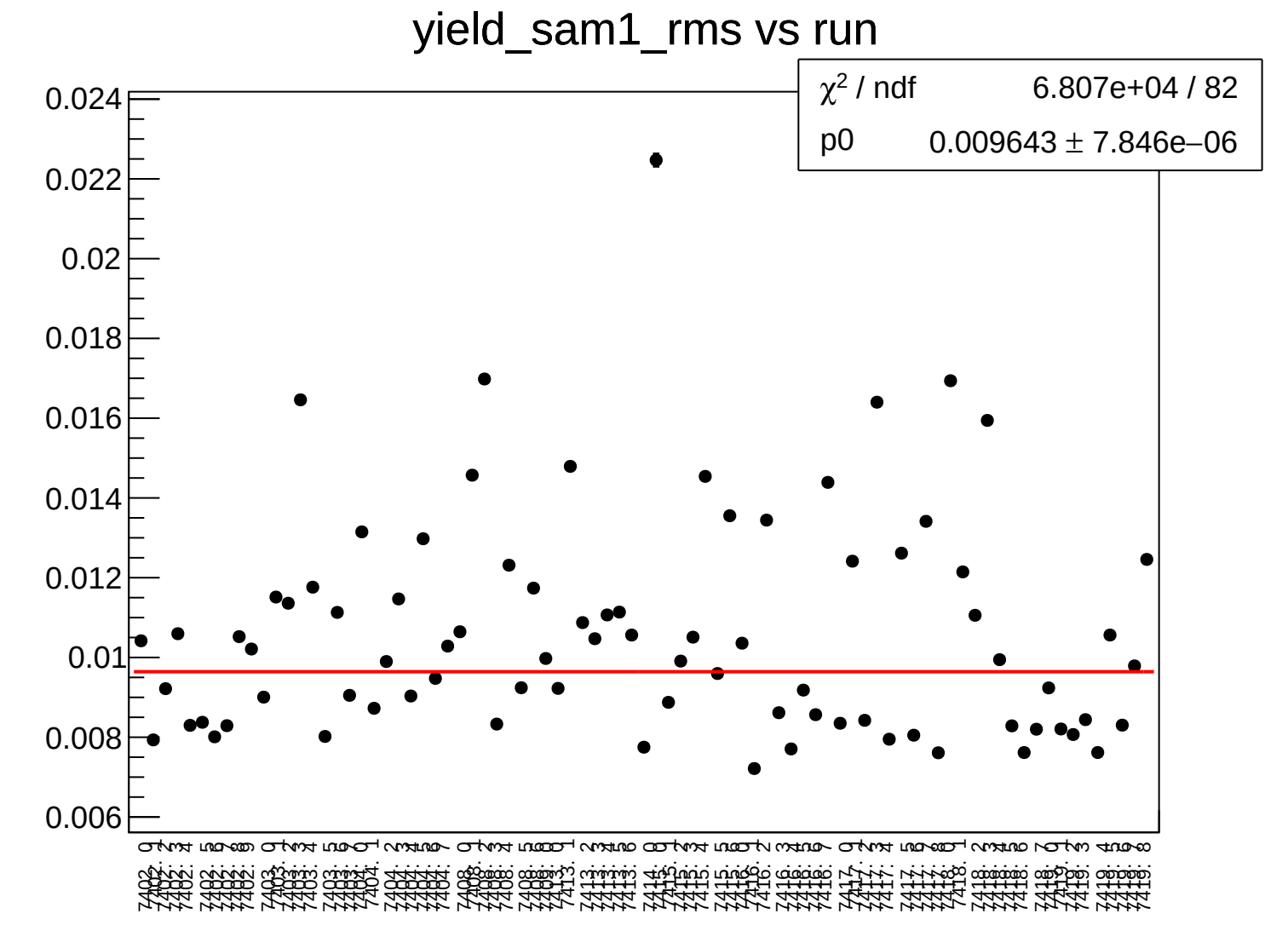

diff_bpm1i06Y_mean vs run
χ² / ndf 97.31 / 82
p0 −5.828 ± 3.239
100
50
0
−50
−100
pull
Entries 83
Mean −386.2
Std Dev 0
2
1
0
−1
−2

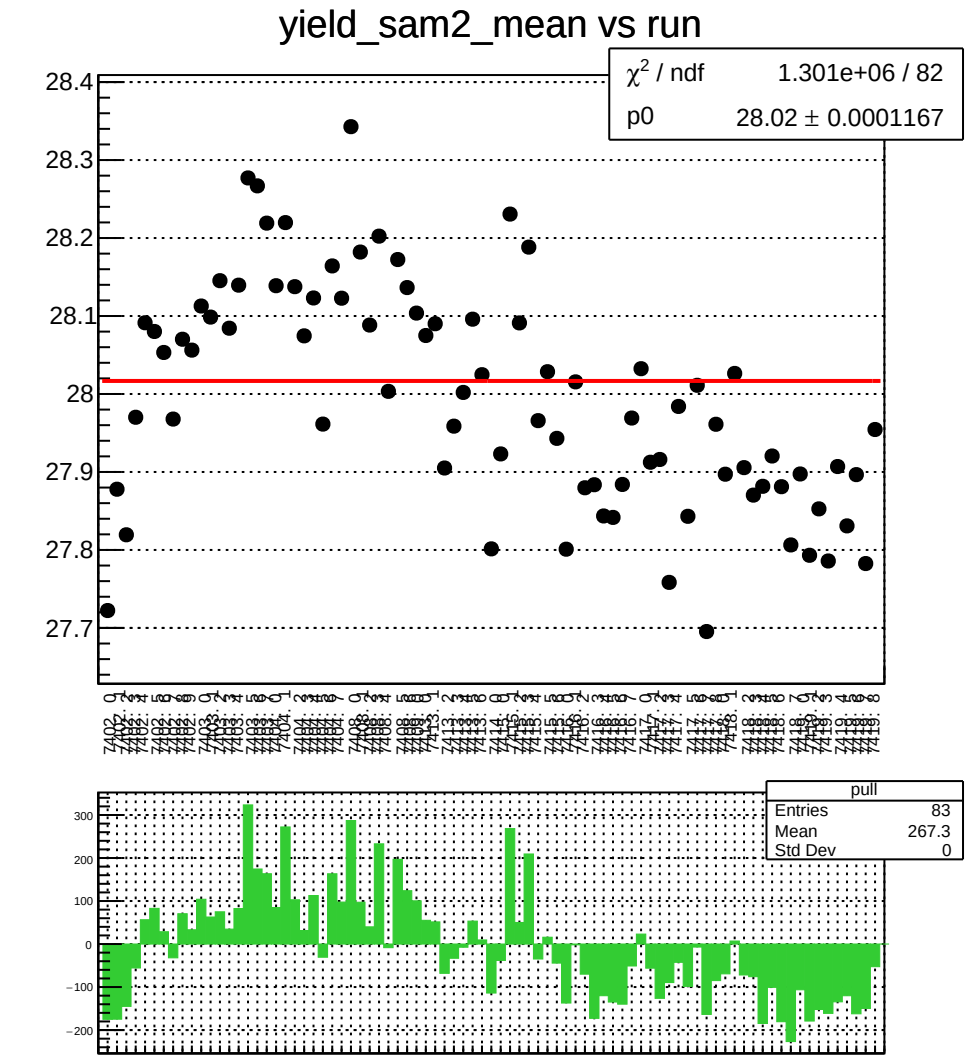

pull1D
Entries 83
Mean 0.004761
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

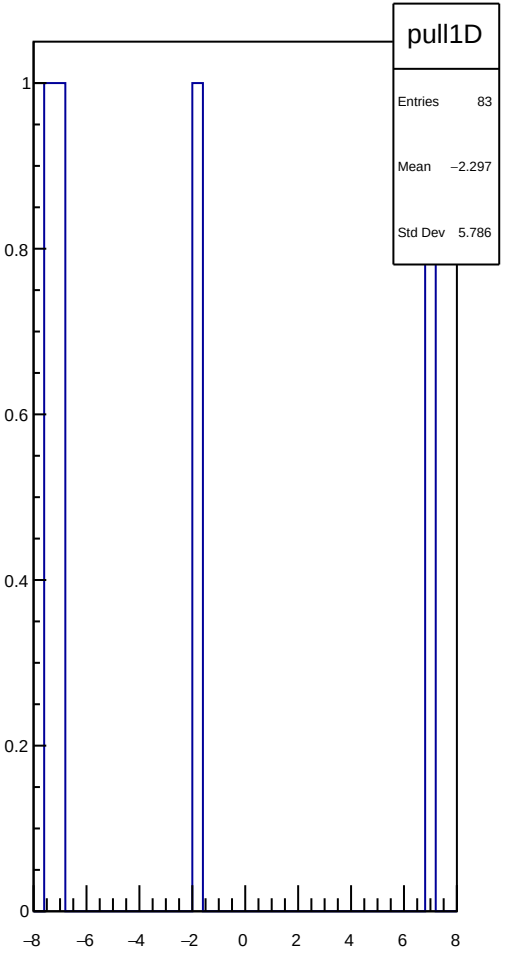

diff_bpm1i06Y_rms vs run
χ² / ndf 1151 / 82
p0 2877 ± 2.29
3000
2900
2800
2700
2600
2500
2400
2300

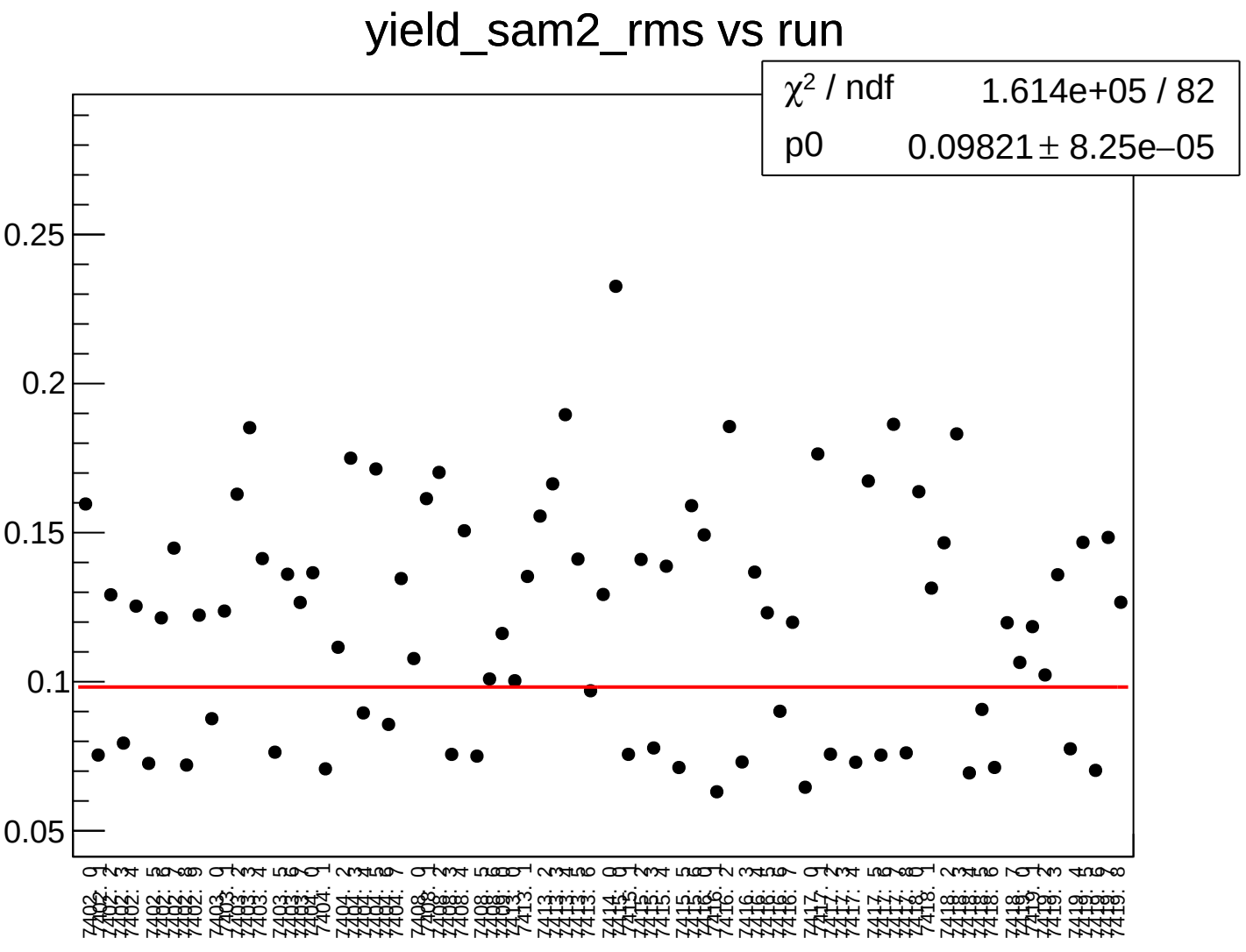

yield_sam1_mean vs run
χ² / ndf 9.62e+06 / 82
p0 14.48 ± 1.11e−05
14.54
14.52
14.5
14.48
14.46
14.44
14.42
pull
Entries 83
Mean −358.1
Std Dev 0
600
400
200
0
−200
−400
−600

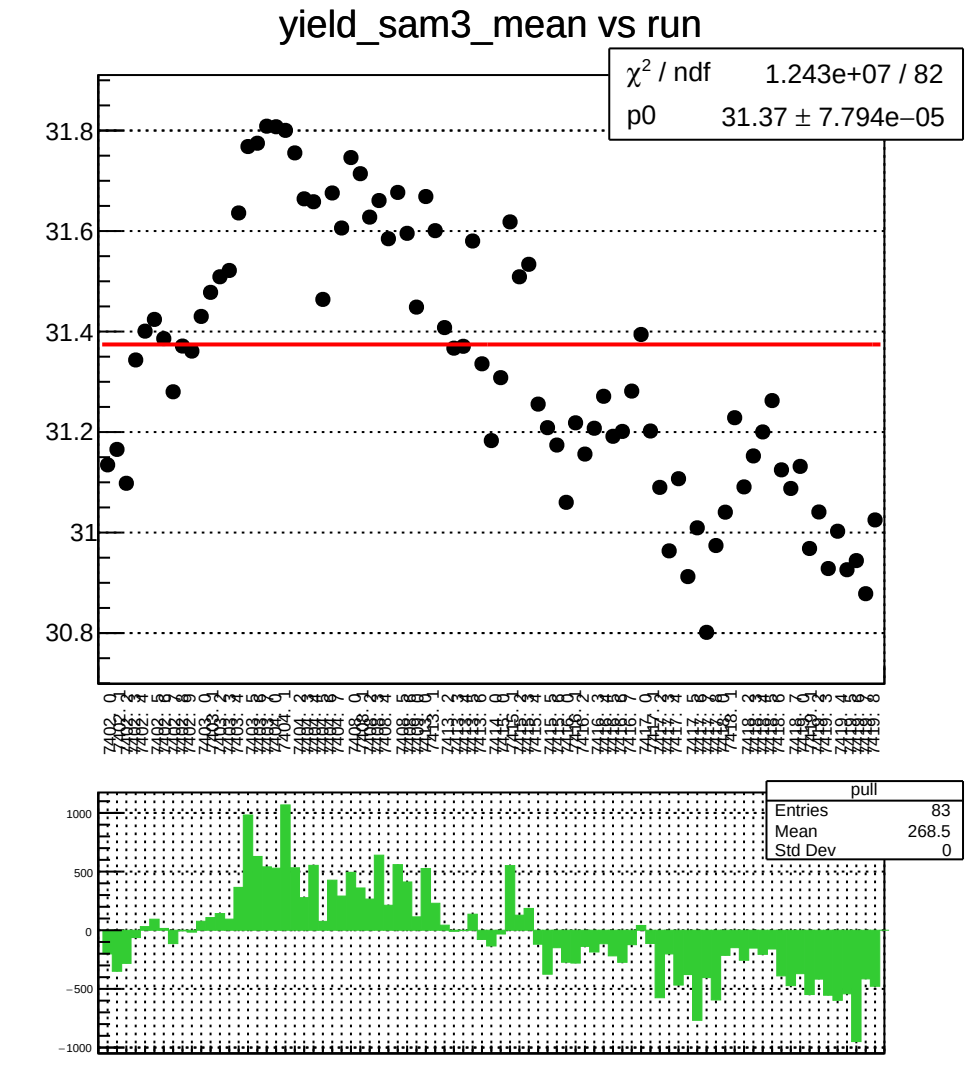

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

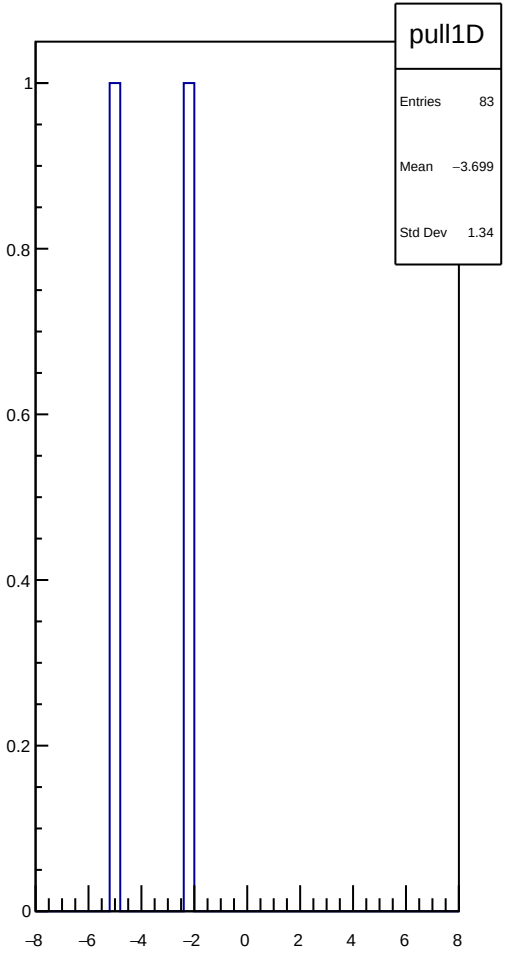

yield_sam1_rms vs run
χ² / ndf 6.807e+04 / 82
p0 0.009643 ± 7.846e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

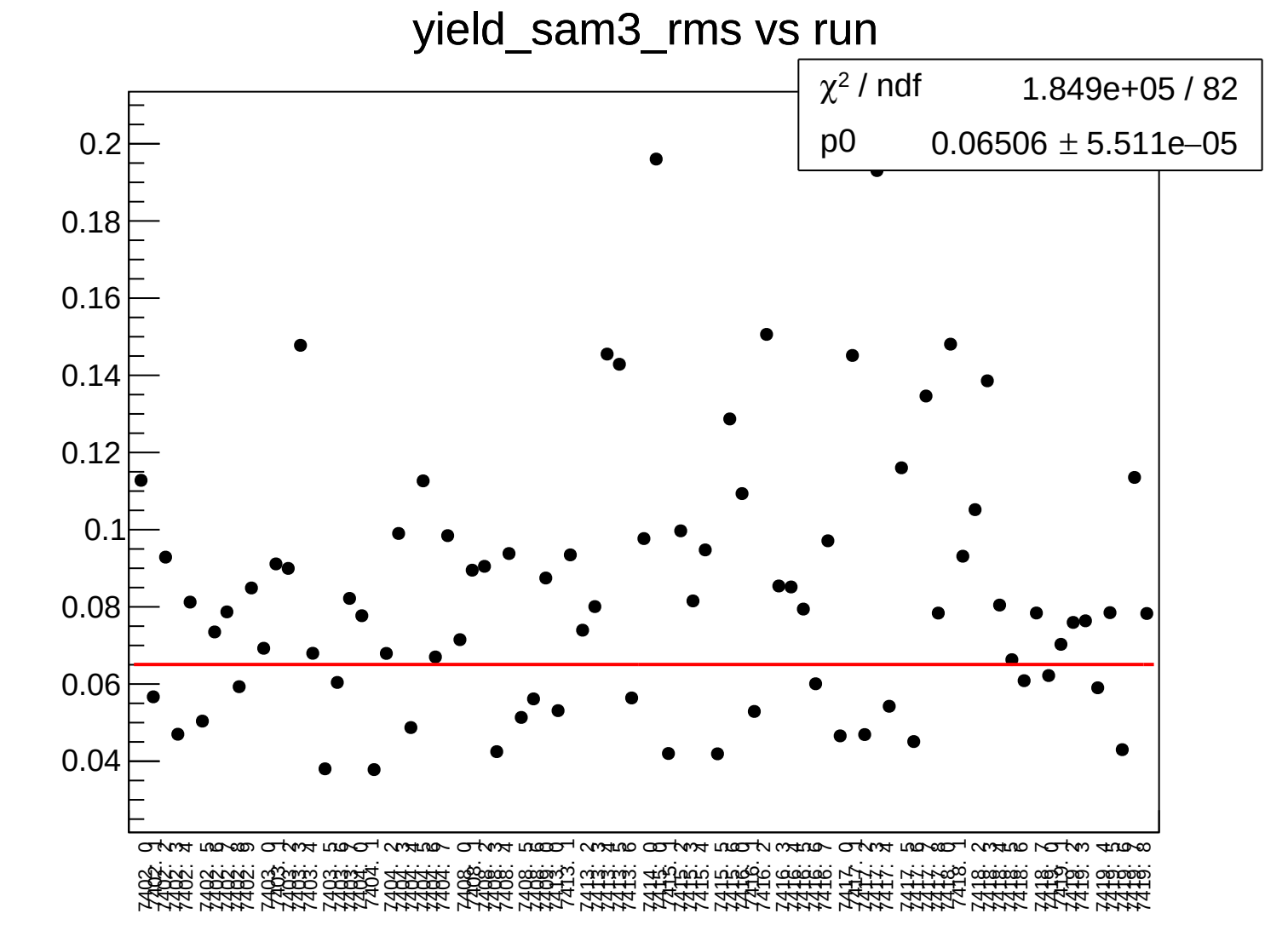

yield_sam2_mean vs run
χ² / ndf 1.301e+06 / 82
p0 28.02 ± 0.0001167
28.4
28.3
28.2
28.1
28
27.9
27.8
27.7
pull
Entries 83
Mean 267.3
Std Dev 0
300
200
100
0
−100
−200

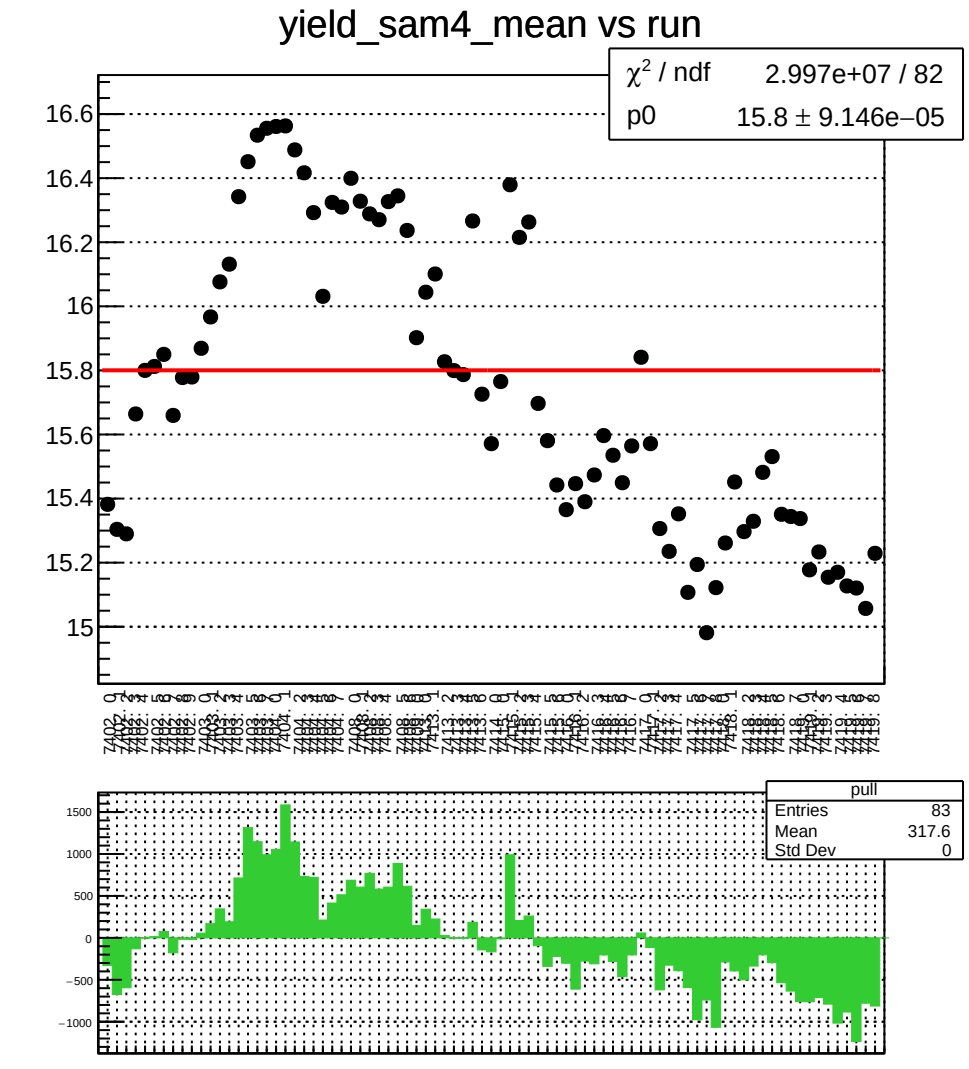

pull1D
Entries 83
Mean −2.297
Std Dev 5.786
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

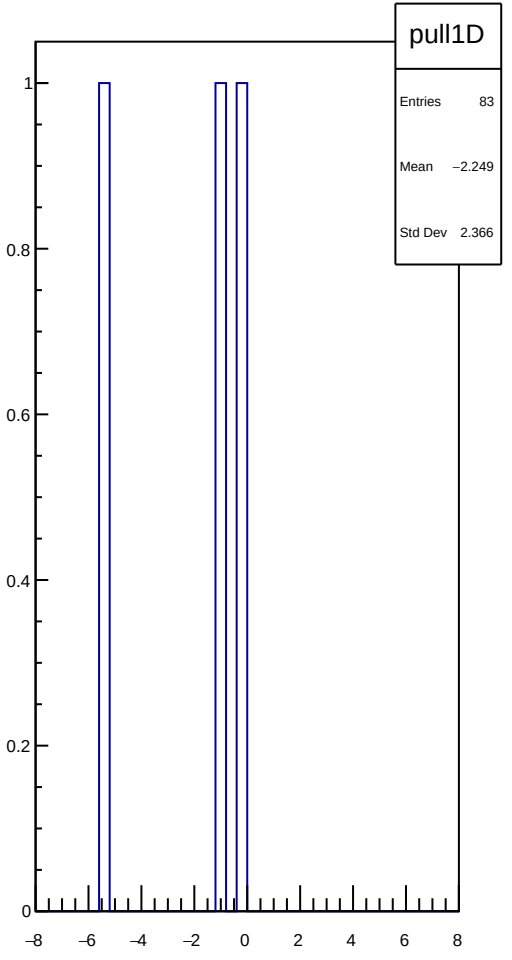

yield_sam2_rms vs run
χ² / ndf 1.614e+05 / 82
p0 0.09821 ± 8.25e−05
0.25
0.2
0.15
0.1
0.05

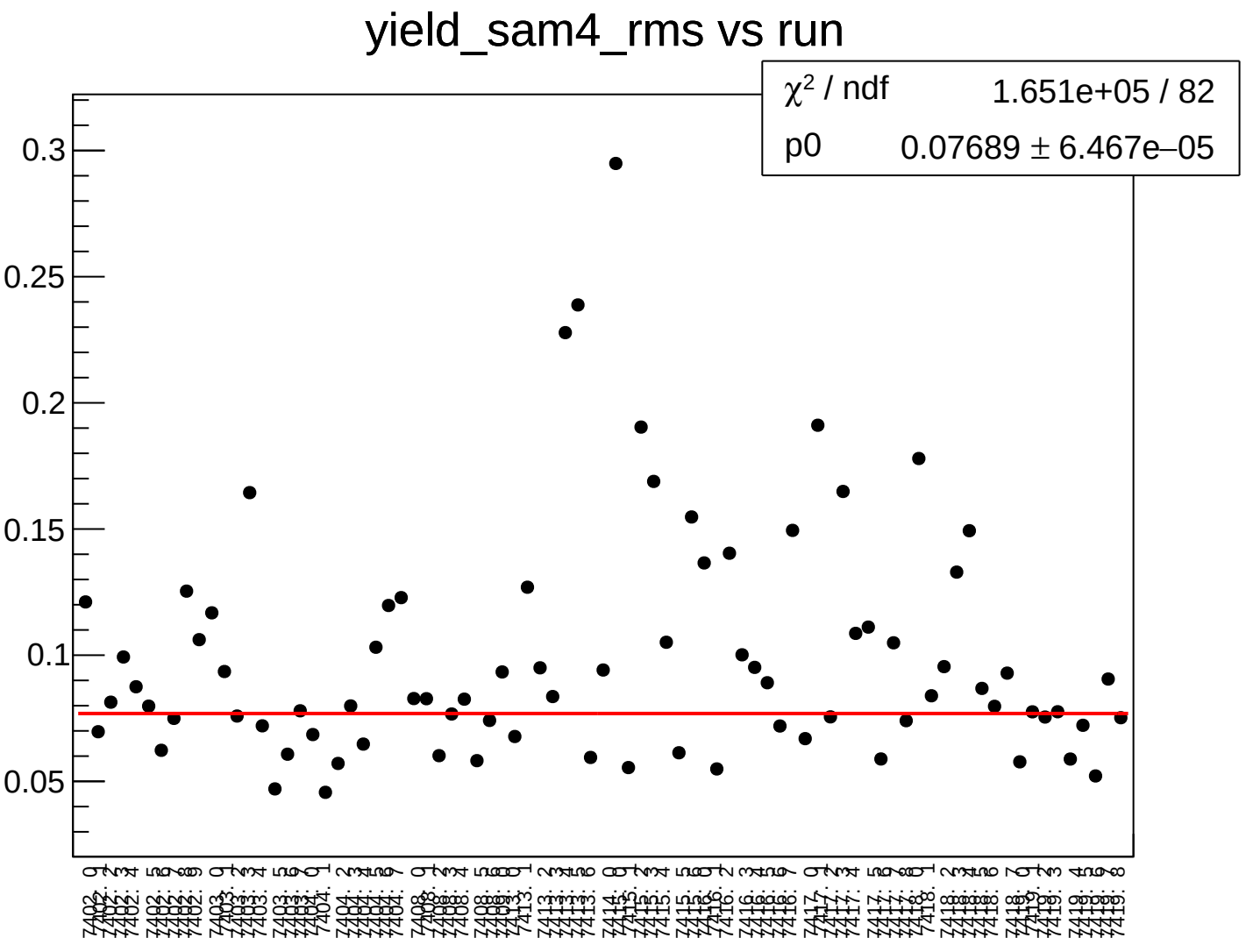

yield_sam3_mean vs run
χ² / ndf 1.243e+07 / 82
p0 31.37 ± 7.794e−05
31.8
31.6
31.4
31.2
31
30.8
pull
Entries 83
Mean 268.5
Std Dev 0
1000
500
0
−500
−1000

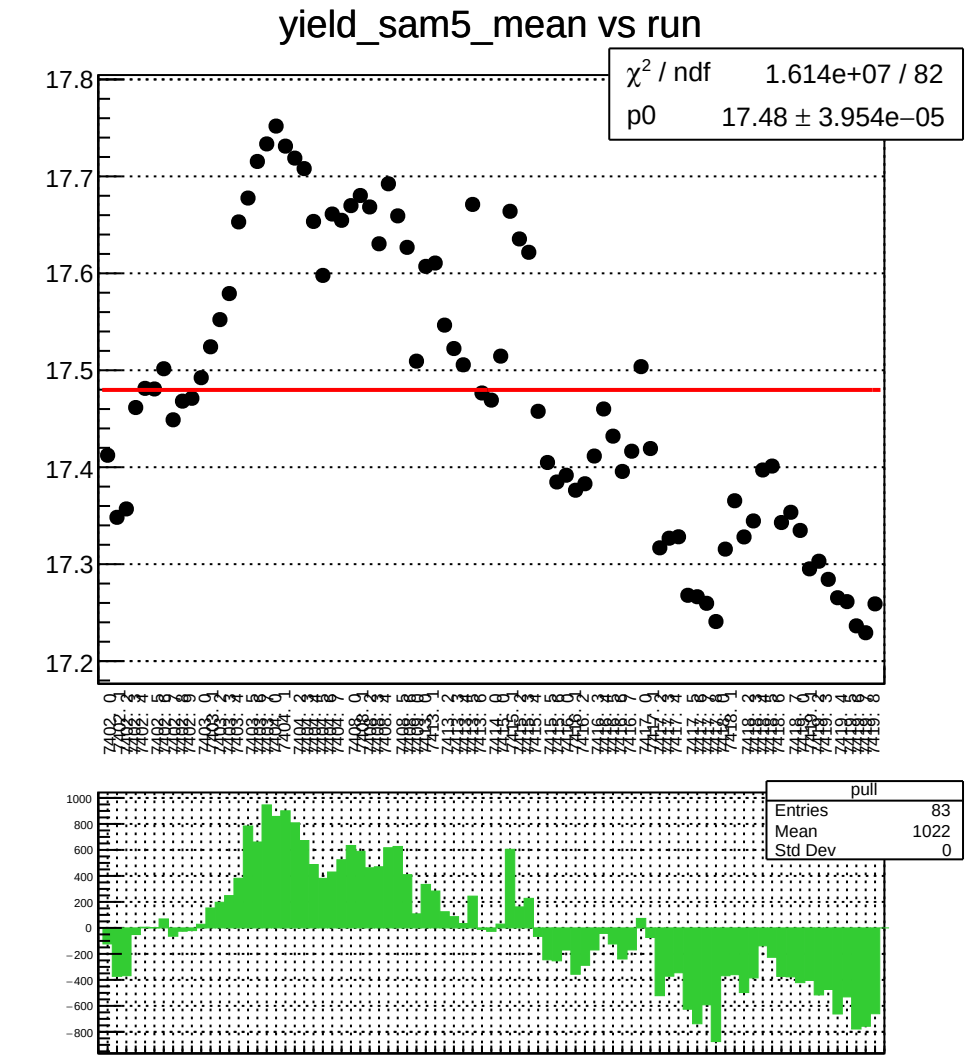

pull1D
Entries 83
Mean −3.699
Std Dev 1.34
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

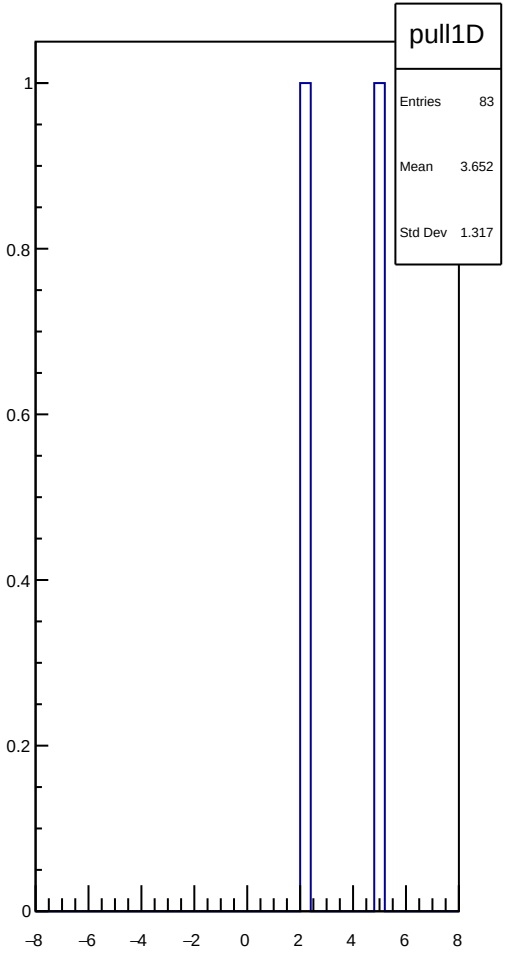

yield_sam3_rms vs run
χ² / ndf 1.849e+05 / 82
p0 0.06506 ± 5.511e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

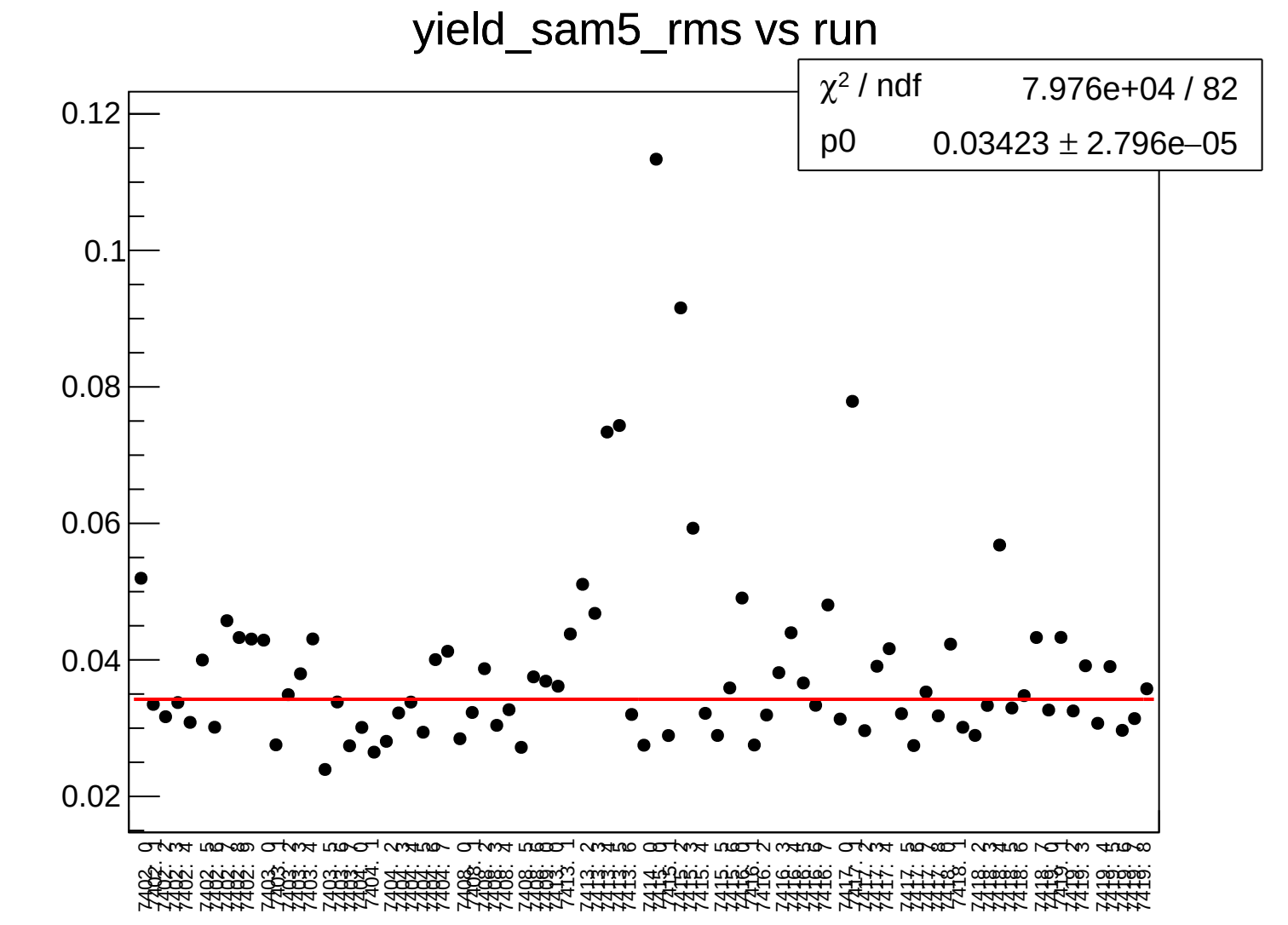

yield_sam4_mean vs run
χ² / ndf 2.997e+07 / 82
p0 15.8 ± 9.146e−05
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
pull
Entries 83
Mean 317.6
Std Dev 0
1500
1000
500
0
−500
−1000

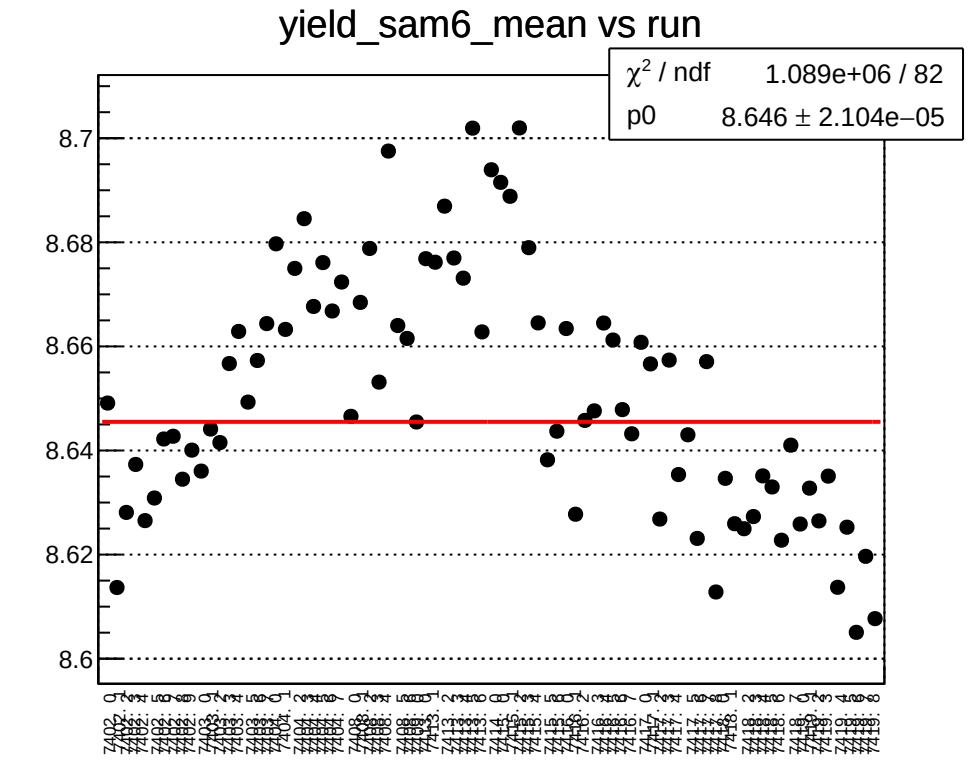

pull1D
Entries 83
Mean −2.249
Std Dev 2.366
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

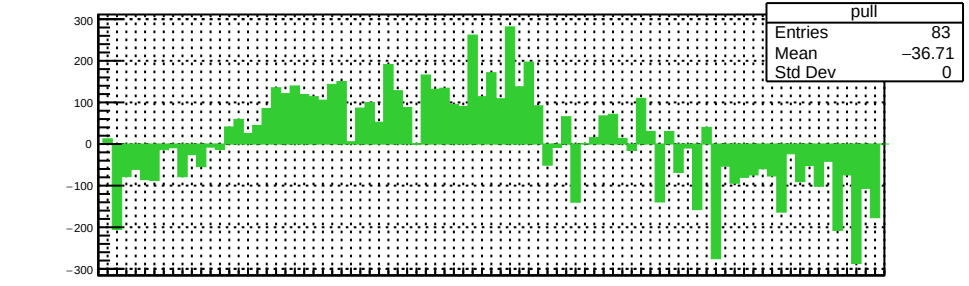

yield_sam4_rms vs run
χ² / ndf 1.651e+05 / 82
p0 0.07689 ± 6.467e−05
0.3
0.25
0.2
0.15
0.1
0.05

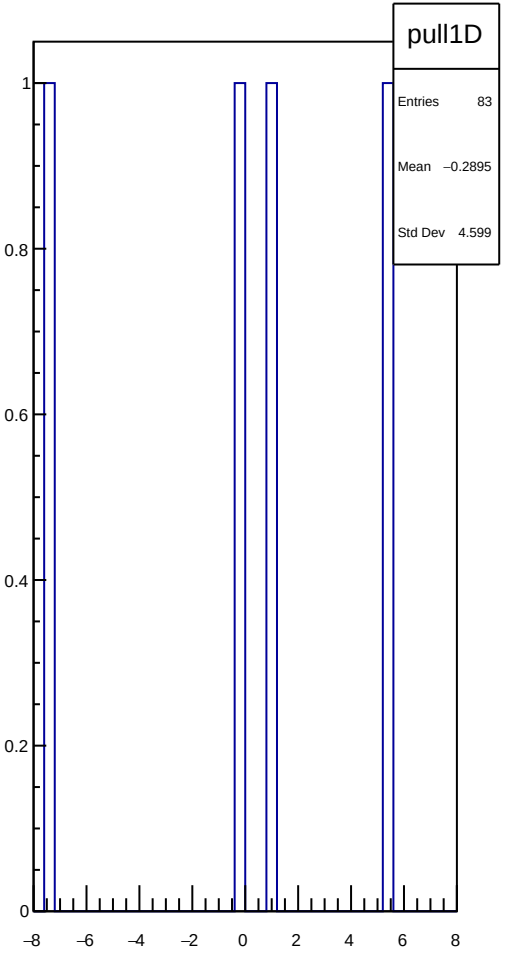

yield_sam5_mean vs run
χ² / ndf 1.614e+07 / 82
p0 17.48 ± 3.954e−05
17.8
17.7
17.6
17.5
17.4
17.3
17.2
pull
Entries 83
Mean 1022
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

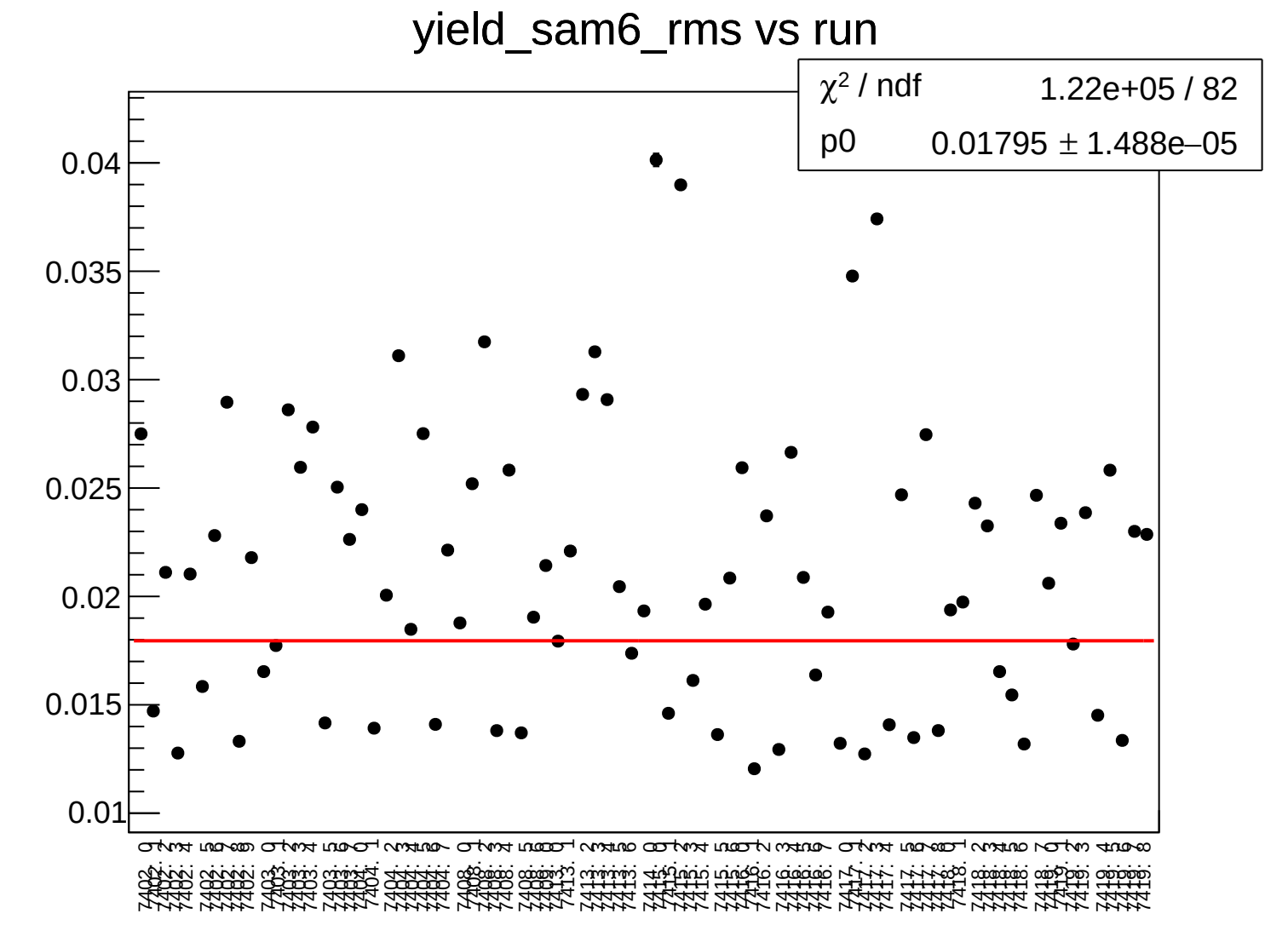

pull1D
Entries 83
Mean 3.652
Std Dev 1.317
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

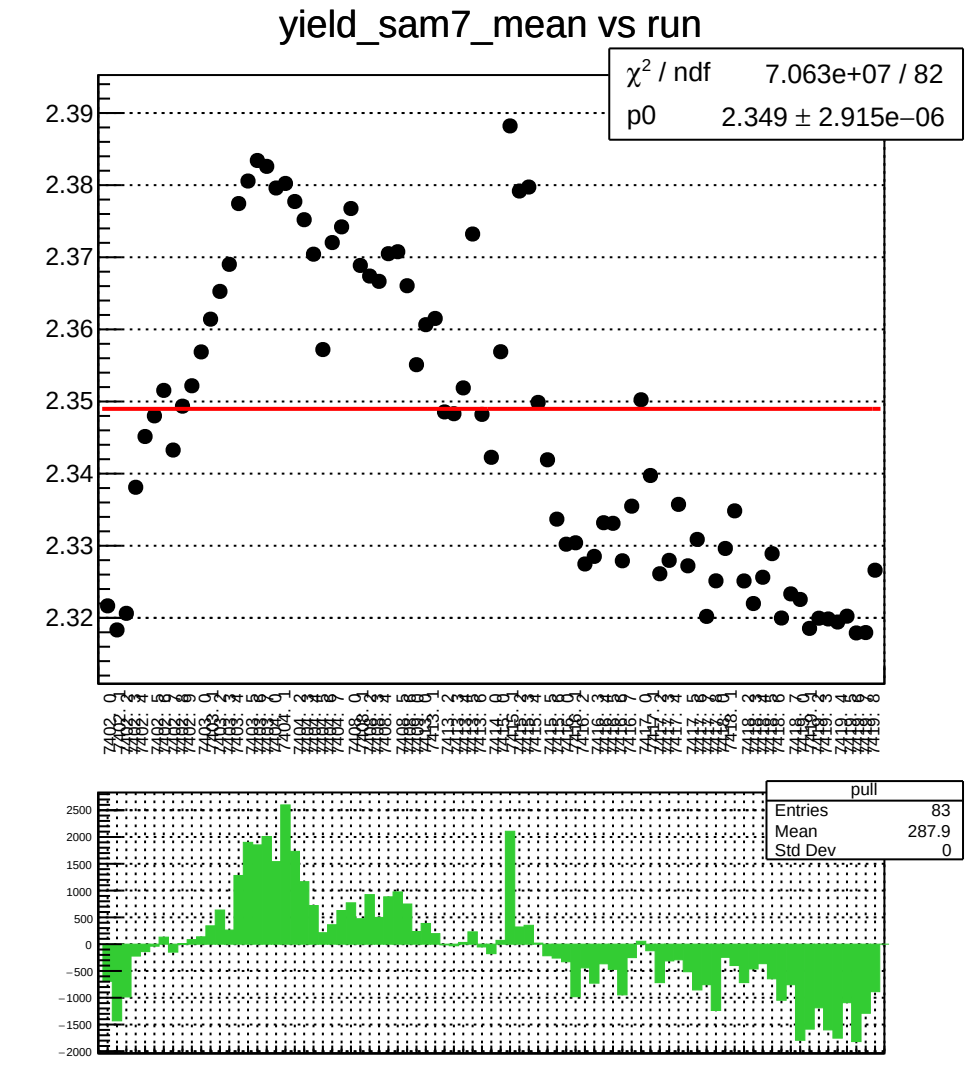

yield_sam5_rms vs run
χ² / ndf 7.976e+04 / 82
p0 0.03423 ± 2.796e−05
0.12
0.1
0.08
0.06
0.04
0.02

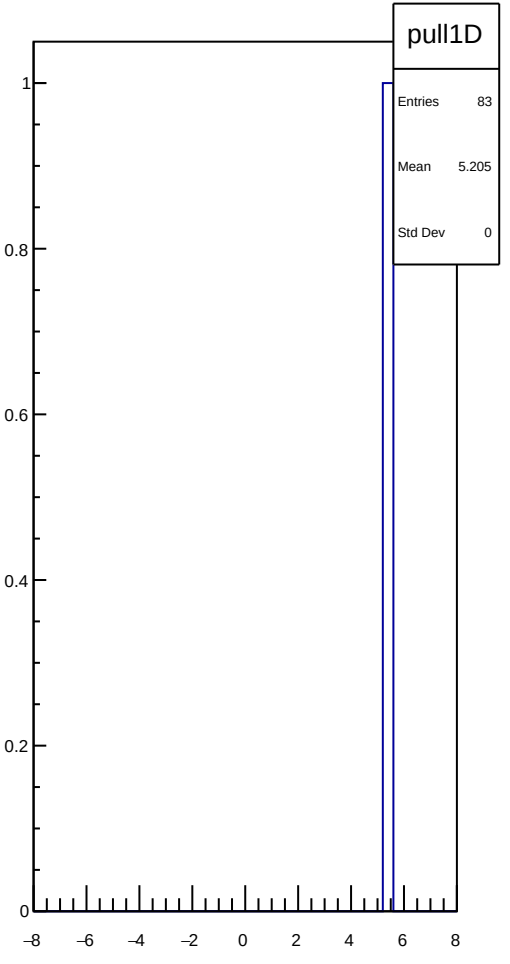

yield_sam6_mean vs run
χ² / ndf 1.089e+06 / 82
p0 8.646 ± 2.104e−05
8.7
8.68
8.66
8.64
8.62
8.6

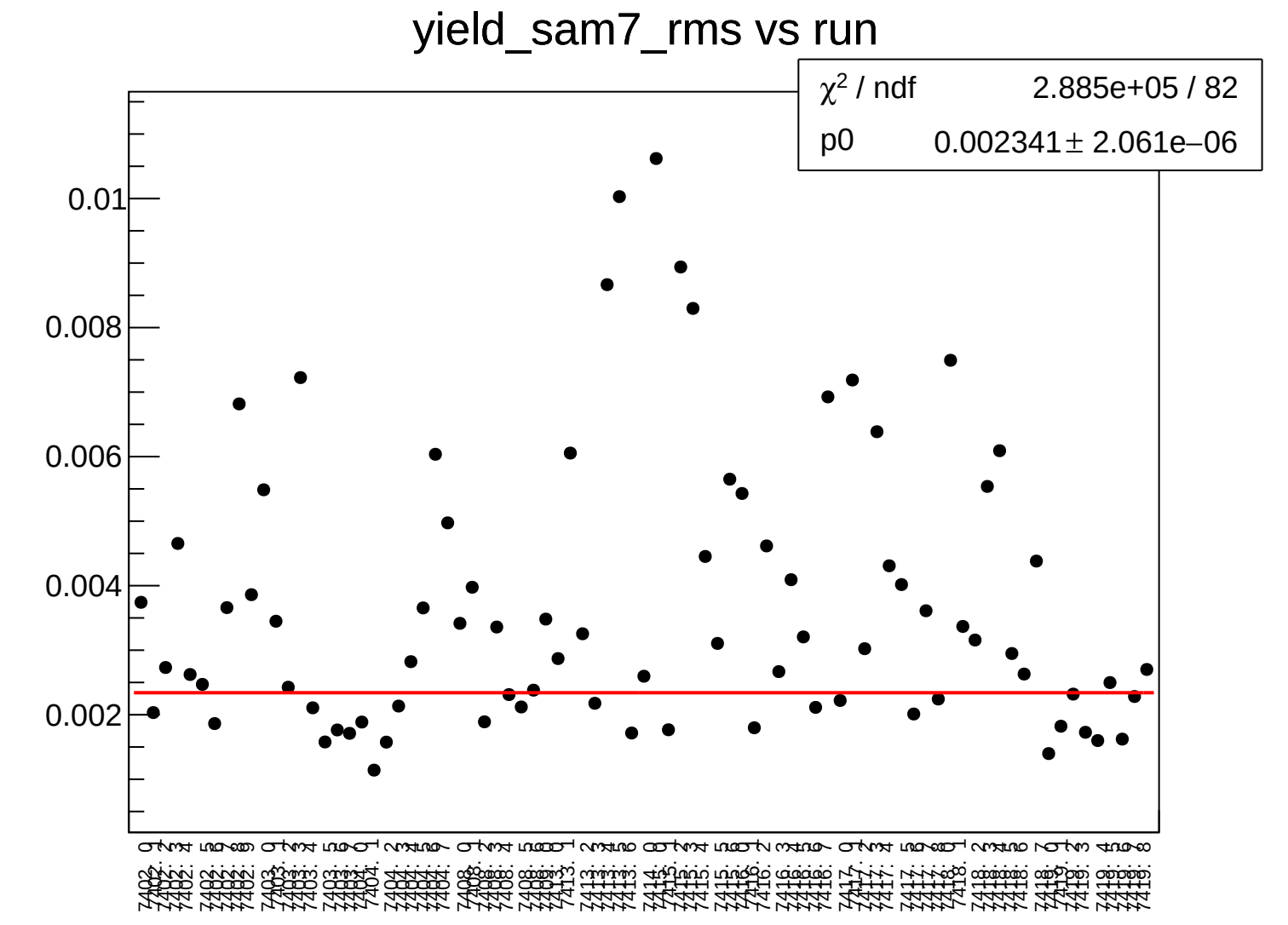

pull
Entries 83
Mean −36.71
Std Dev 0
300
200
100
0
−100
−200
−300

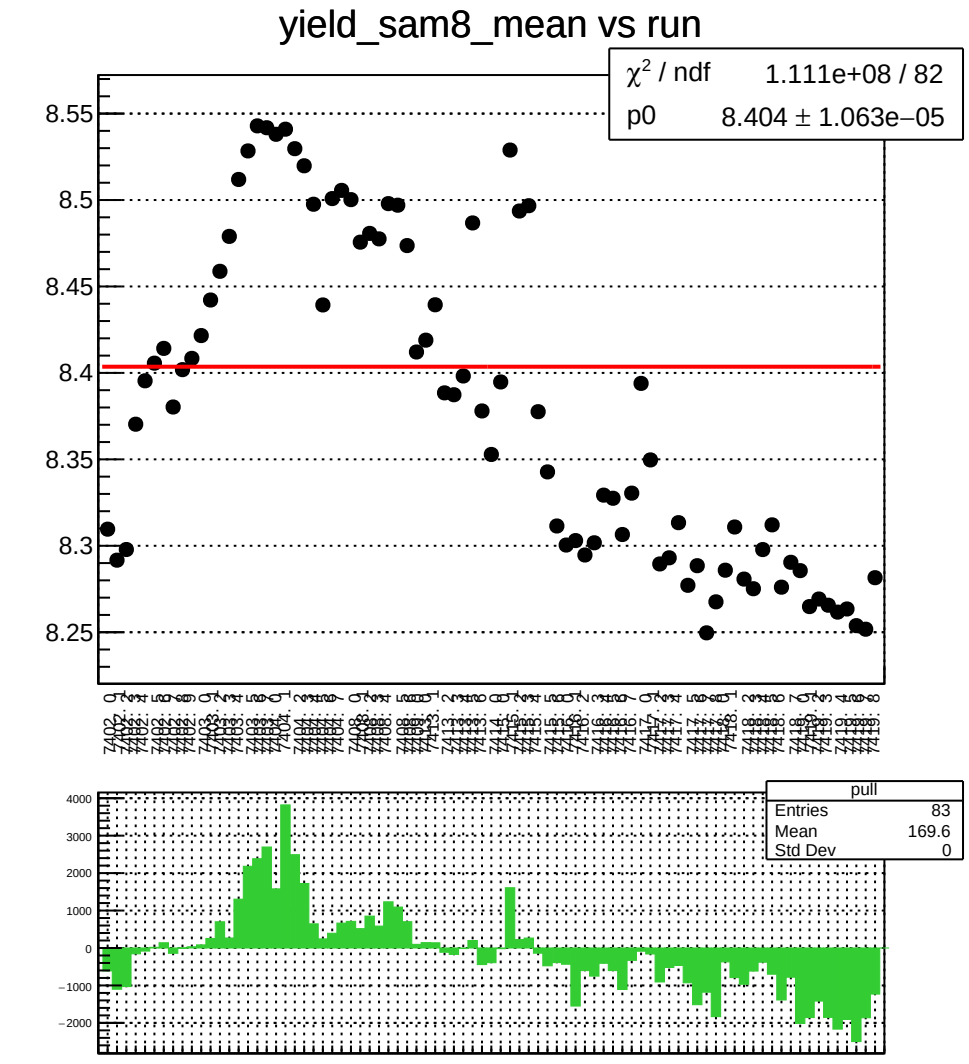

pull1D
Entries 83
Mean −0.2895
Std Dev 4.599
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

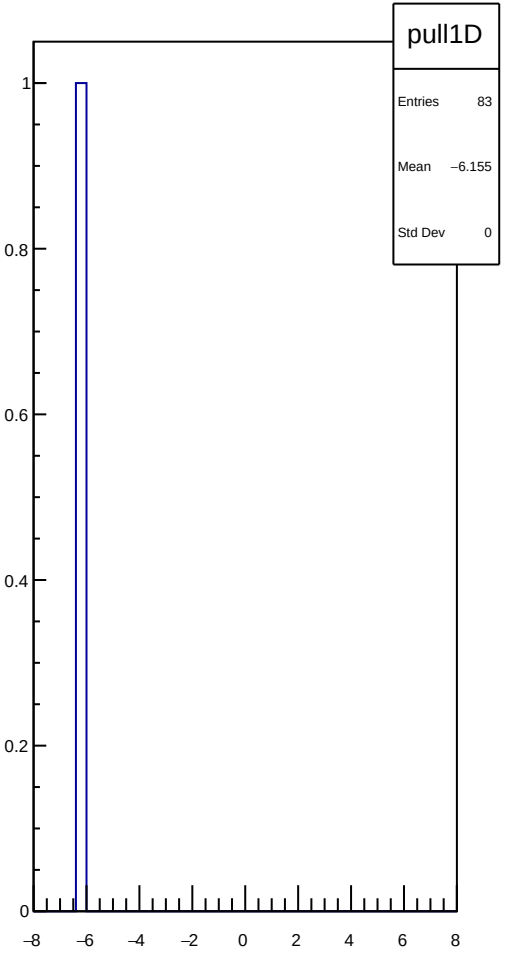

yield_sam6_rms vs run
χ² / ndf 1.22e+05 / 82
p0 0.01795 ± 1.488e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

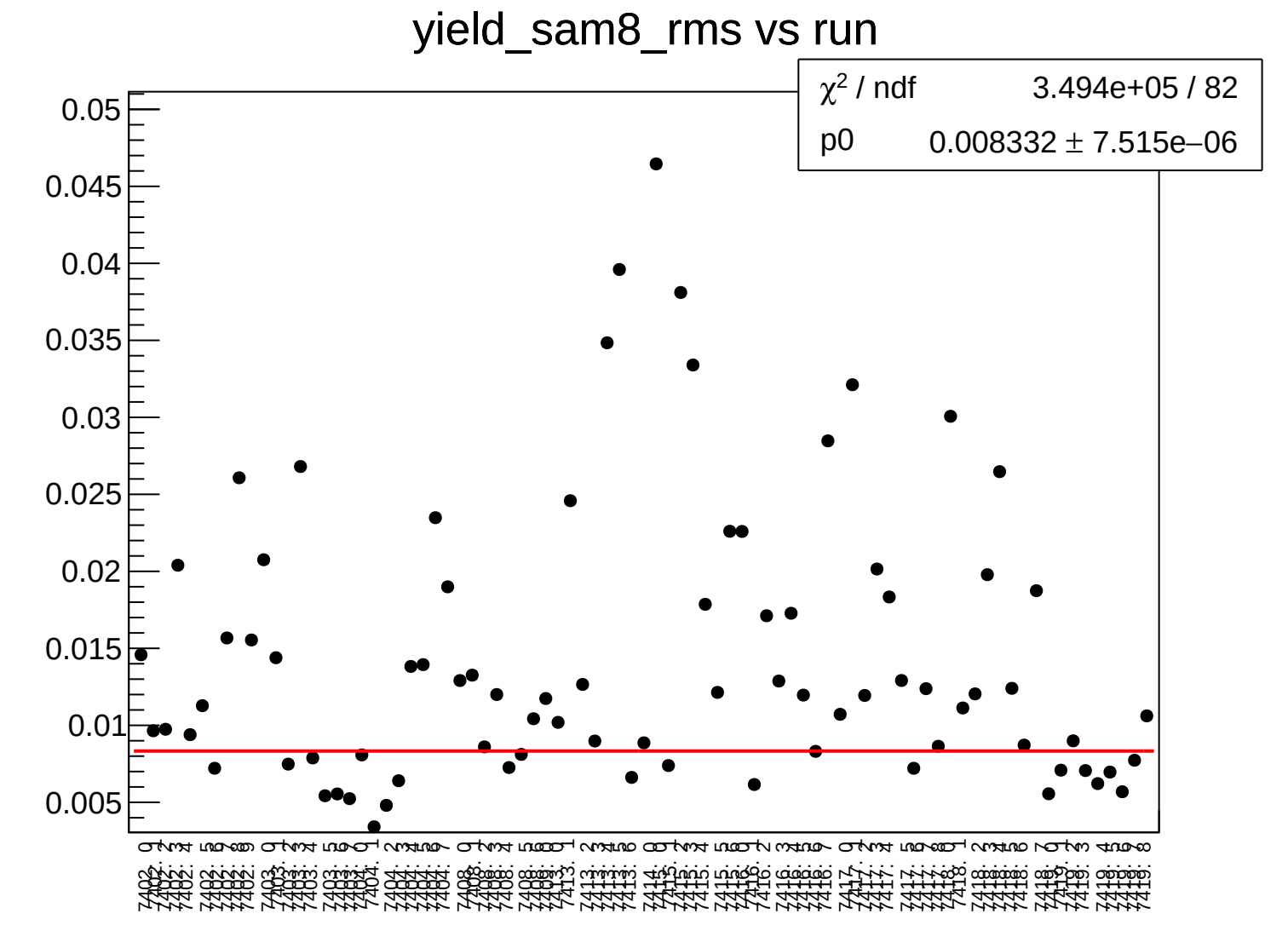

yield_sam7_mean vs run
χ² / ndf 7.063e+07 / 82
p0 2.349 ± 2.915e−06
2.39
2.38
2.37
2.36
2.35
2.34
2.33
2.32
pull
Entries 83
Mean 287.9
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000

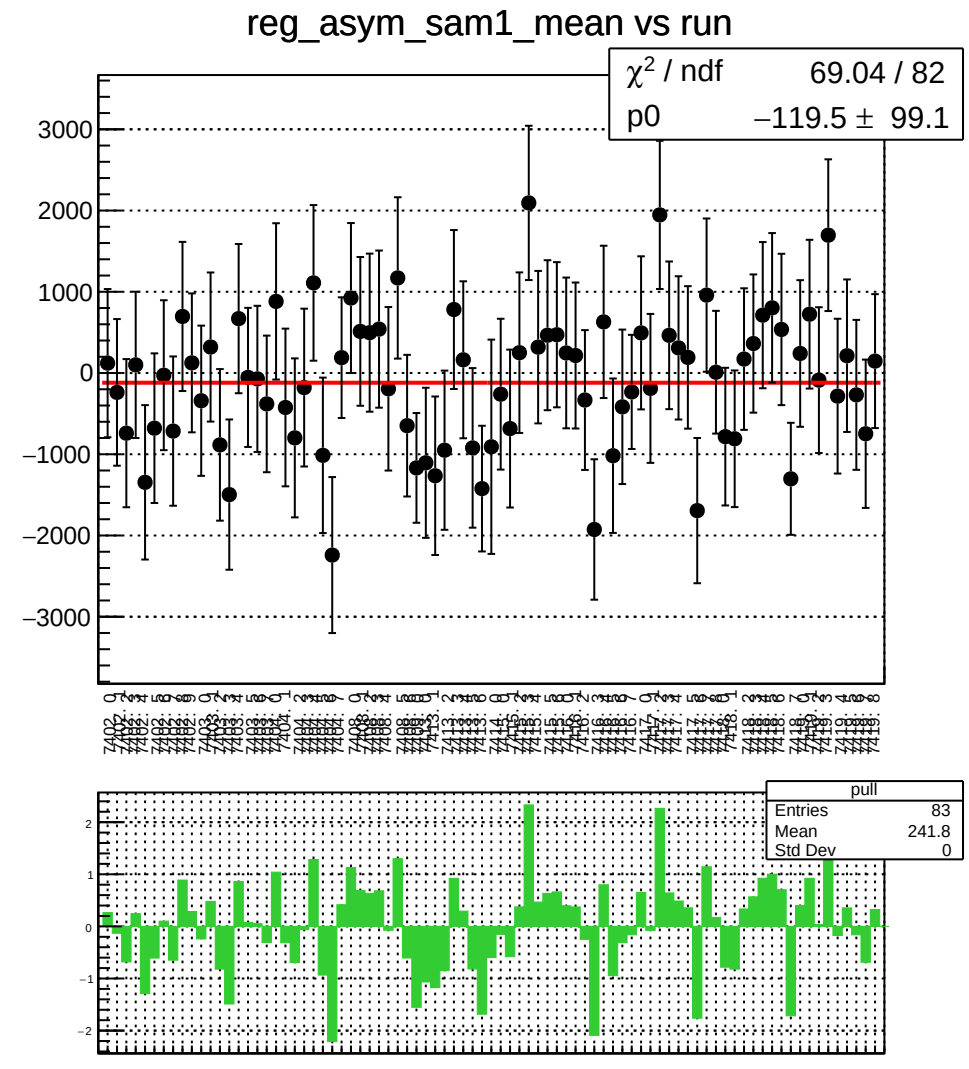

pull1D
Entries 83
Mean 5.205
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

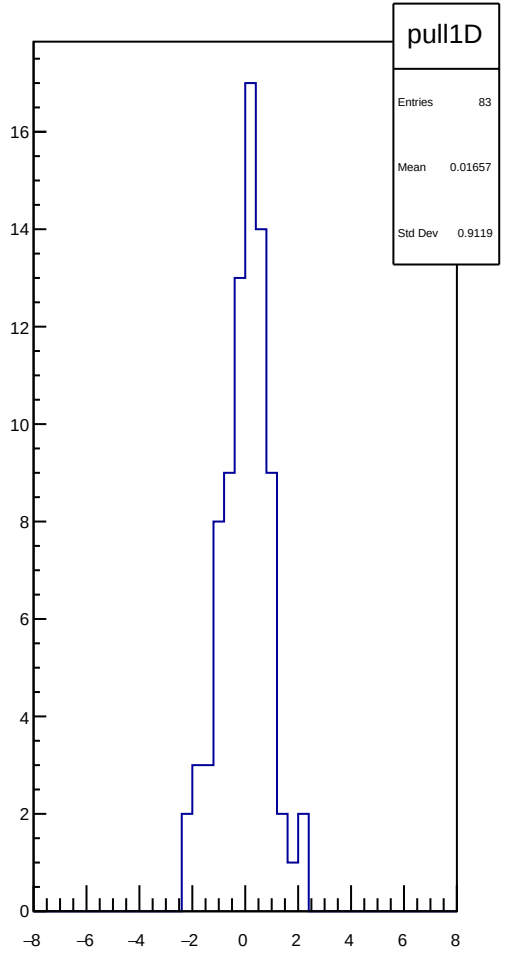

yield_sam7_rms vs run
χ^2 / ndf 2.885e+05 / 82
p0 0.002341 ± 2.061e−06
0.01
0.008
0.006
0.004
0.002

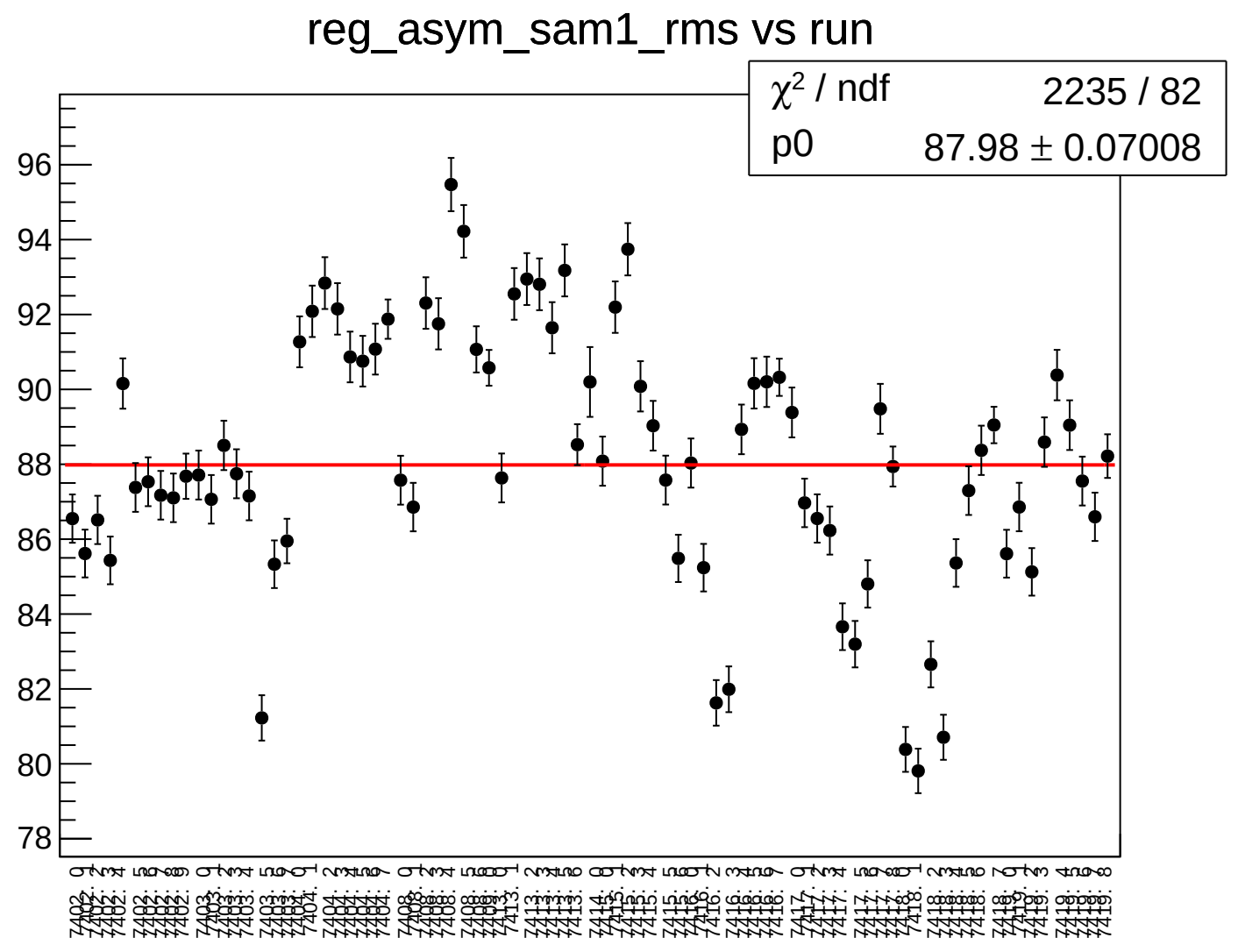

yield_sam8_mean vs run
χ² / ndf 1.111e+08 / 82
p0 8.404 ± 1.063e−05
8.55
8.5
8.45
8.4
8.35
8.3
8.25
pull
Entries 83
Mean 169.6
Std Dev 0
4000
3000
2000
1000
0
−1000
−2000

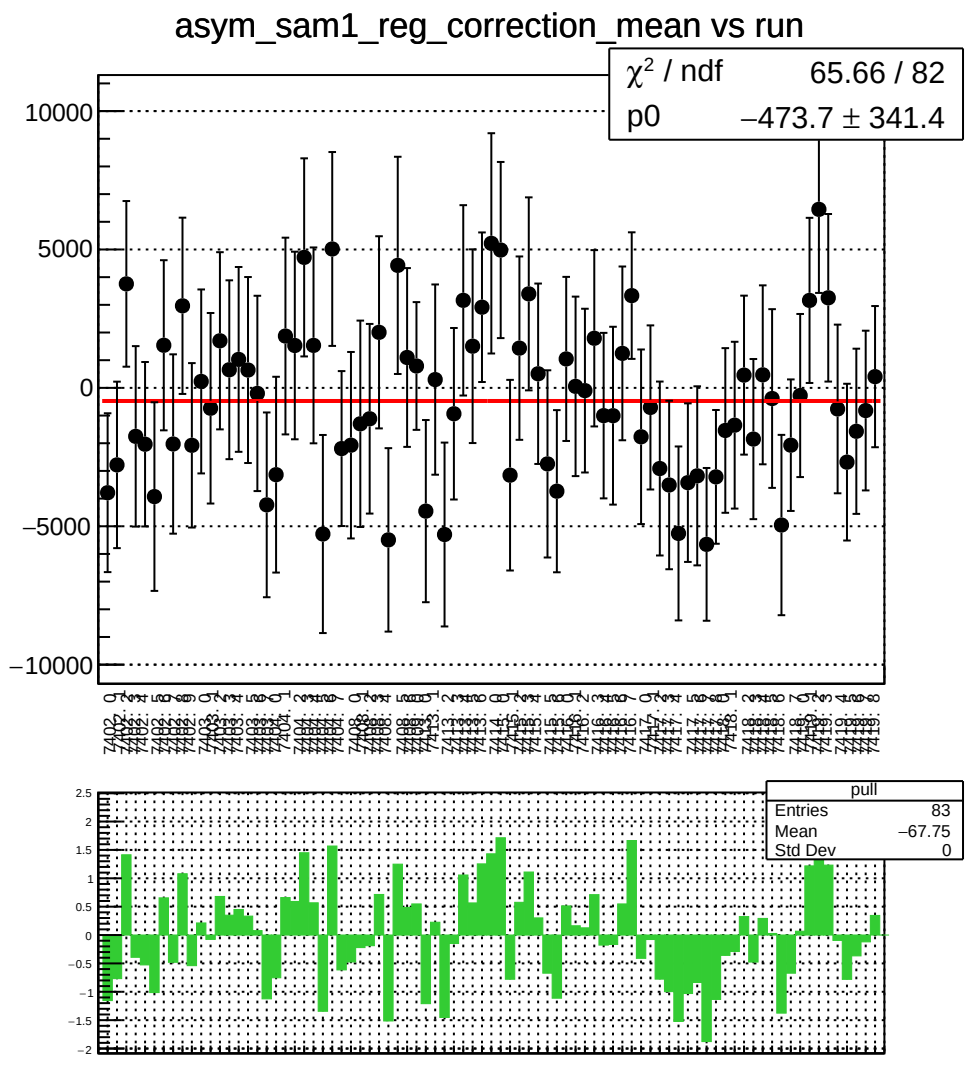

pull1D
Entries 83
Mean −6.155
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

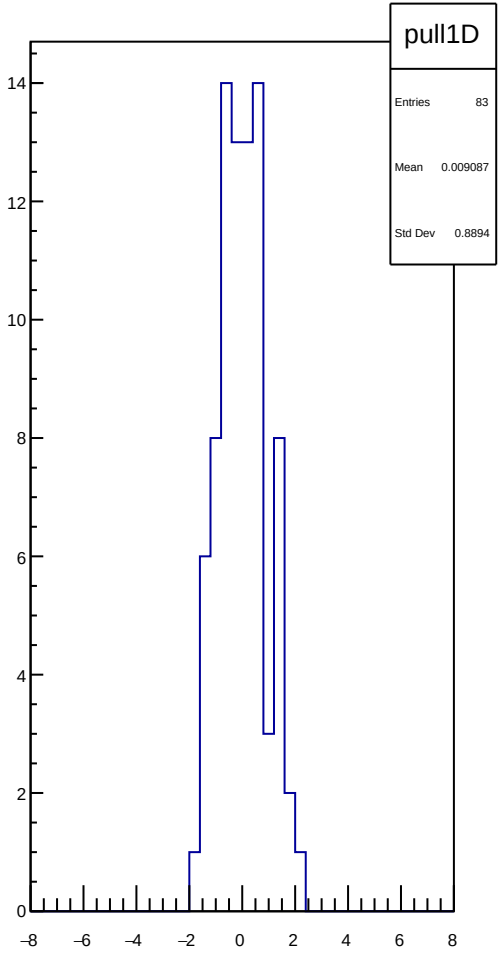

yield_sam8_rms vs run
χ² / ndf 3.494e+05 / 82
p0 0.008332 ± 7.515e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

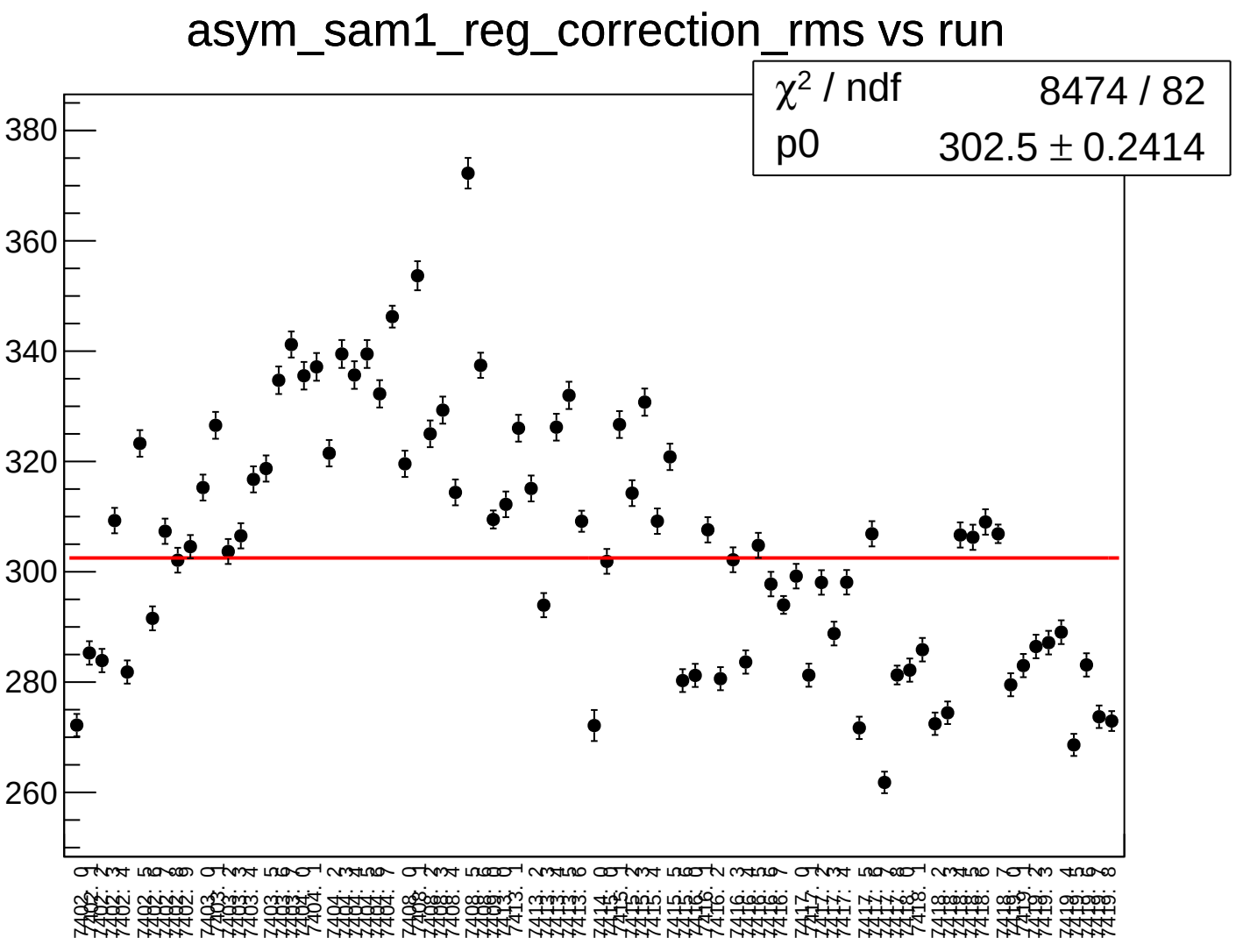

reg_asym_sam1_mean vs run
χ² / ndf 69.04 / 82
p0 −119.5 ± 99.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 241.8
Std Dev 0
2
1
0
−1
−2

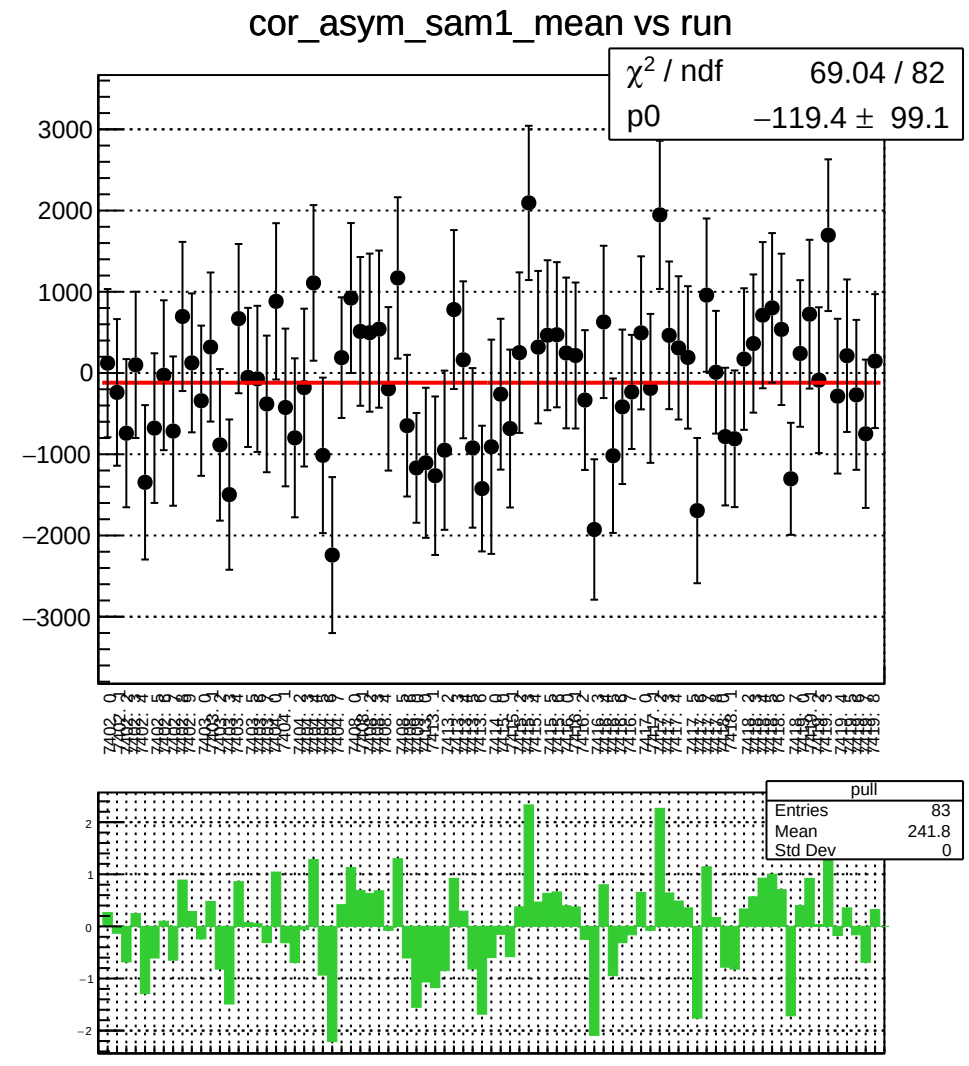

pull1D
Entries 83
Mean 0.01657
Std Dev 0.9119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

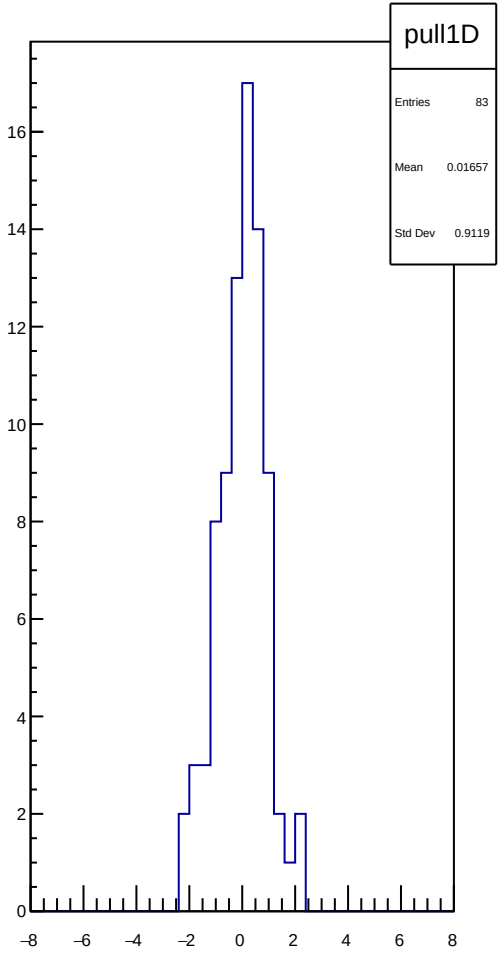

reg_asym_sam1_rms vs run
χ^2 / ndf 2235 / 82
p0 87.98 ± 0.07008
96
94
92
90
88
86
84
82
80
78

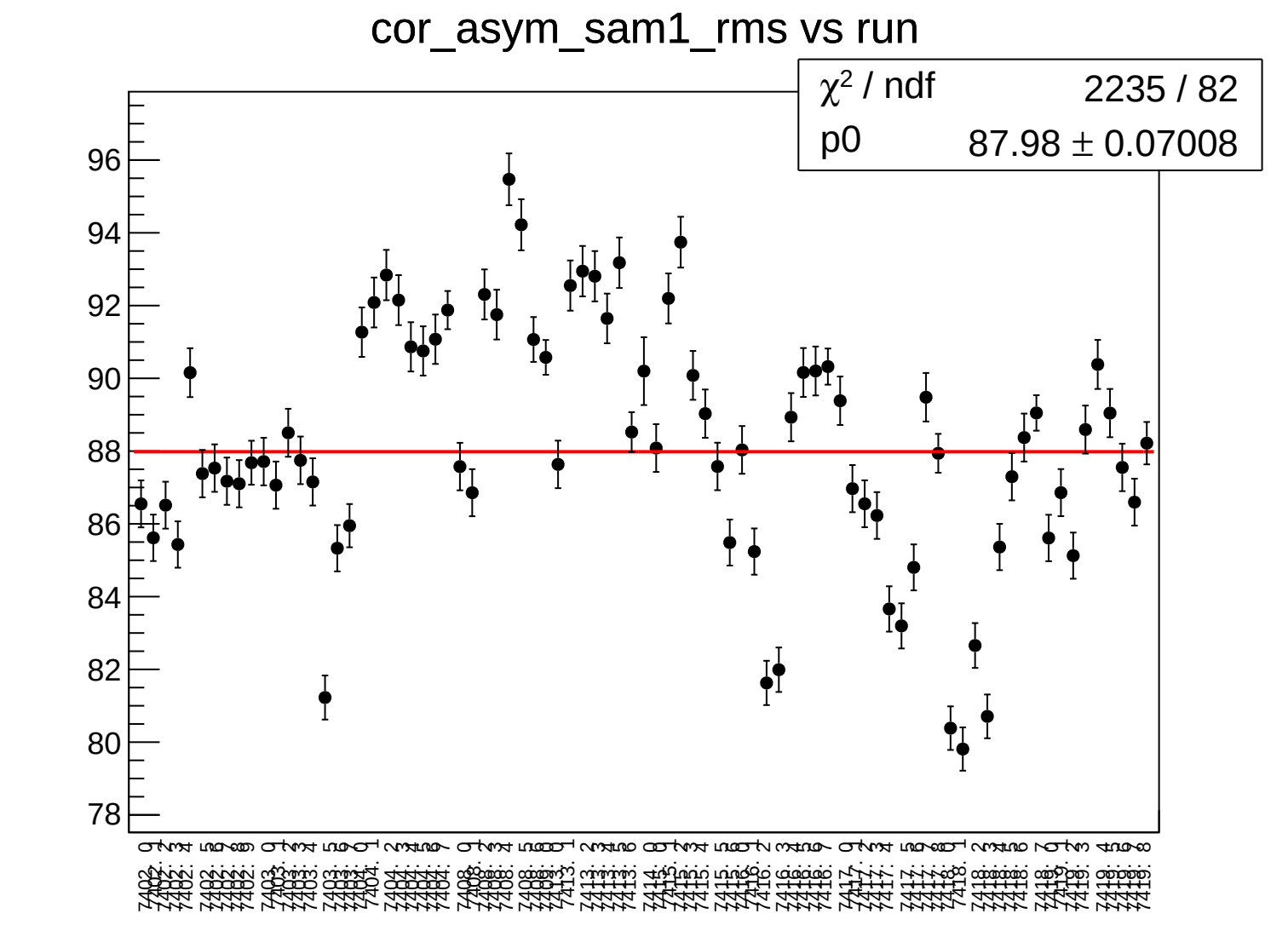

asym_sam1_reg_correction_mean vs run
χ² / ndf 65.66 / 82
p0 −473.7 ± 341.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −67.75
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

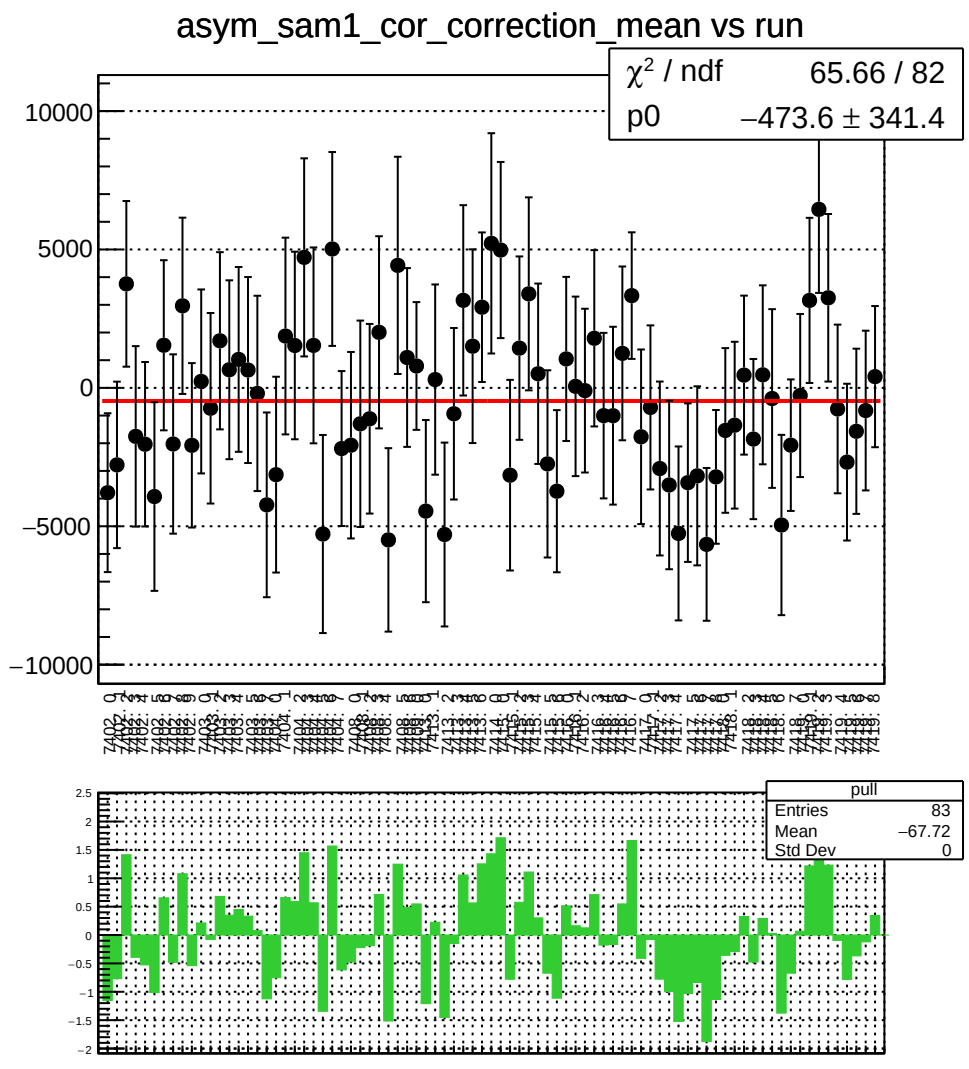

pull1D
Entries 83
Mean 0.009087
Std Dev 0.8894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

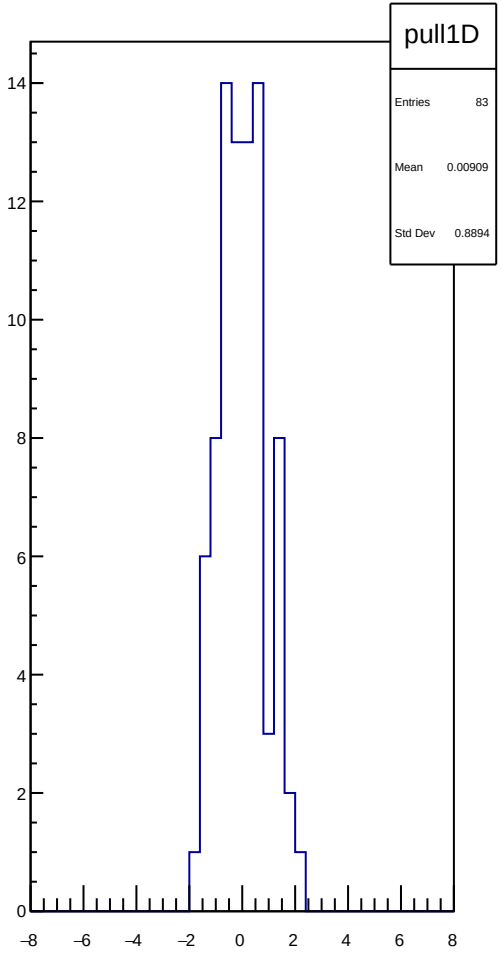

asym_sam1_reg_correction_rms vs run
χ² / ndf 8474 / 82
p0 302.5 ± 0.2414
380
360
340
320
300
280
260

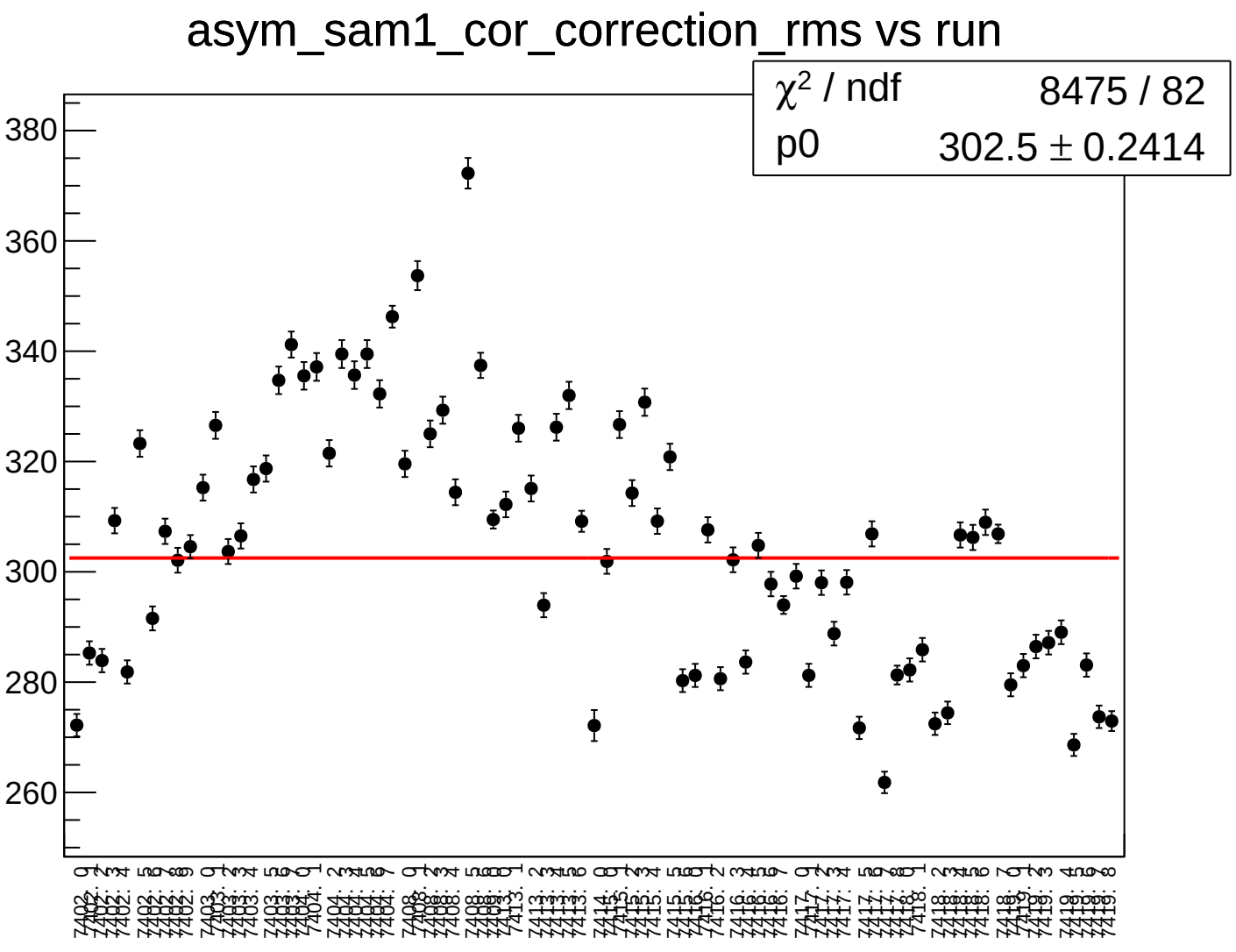

cor_asym_sam1_mean vs run
χ² / ndf 69.04 / 82
p0 −119.4 ± 99.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 241.8
Std Dev 0
2
1
0
−1
−2

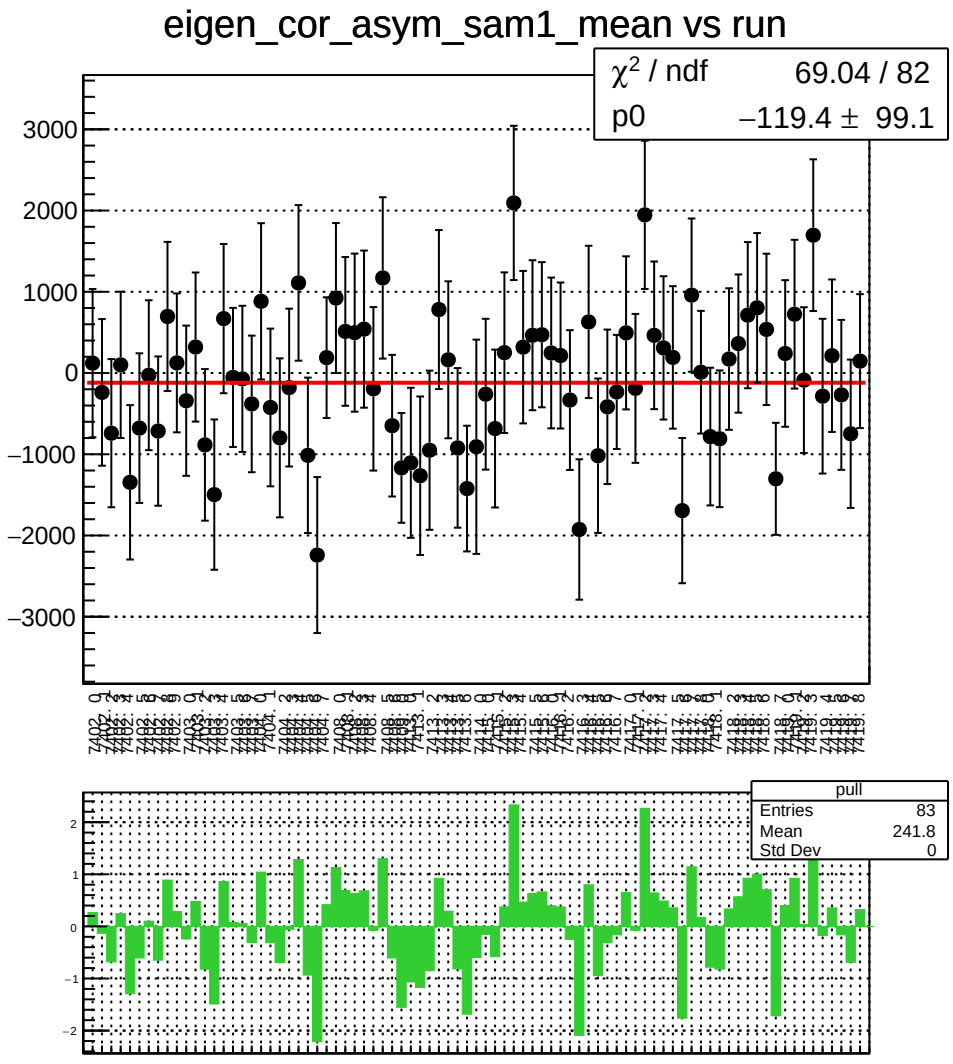

pull1D
Entries 83
Mean 0.01657
Std Dev 0.9119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

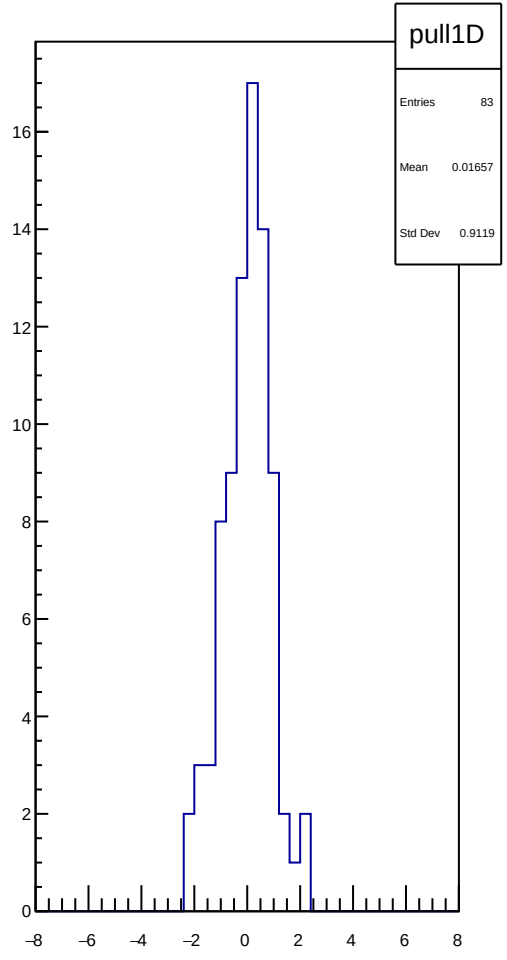

cor_asym_sam1_rms vs run
χ² / ndf 2235 / 82
p0 87.98 ± 0.07008
96
94
92
90
88
86
84
82
80
78

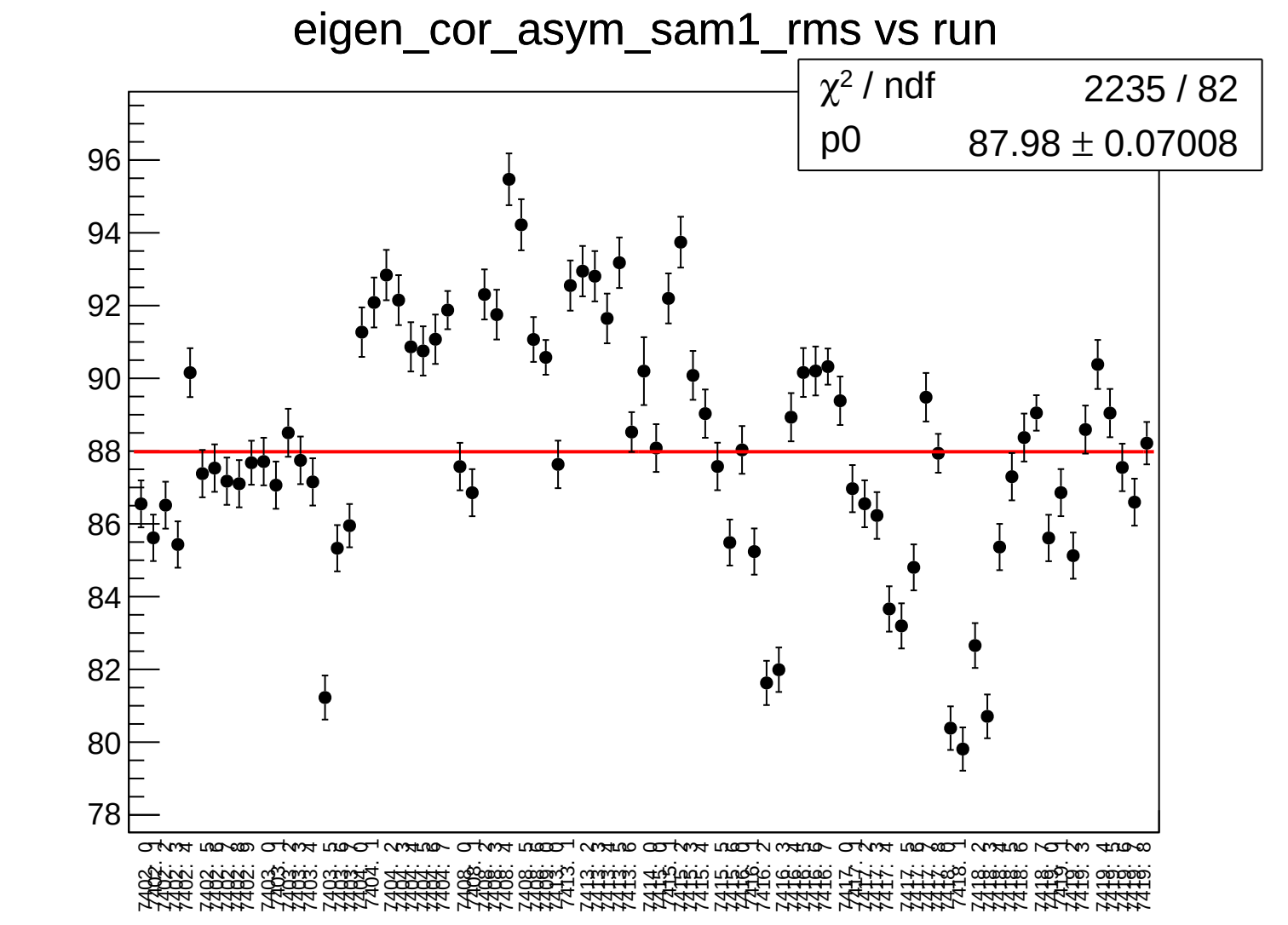

asym_sam1_cor_correction_mean vs run
χ² / ndf 65.66 / 82
p0 −473.6 ± 341.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −67.72
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

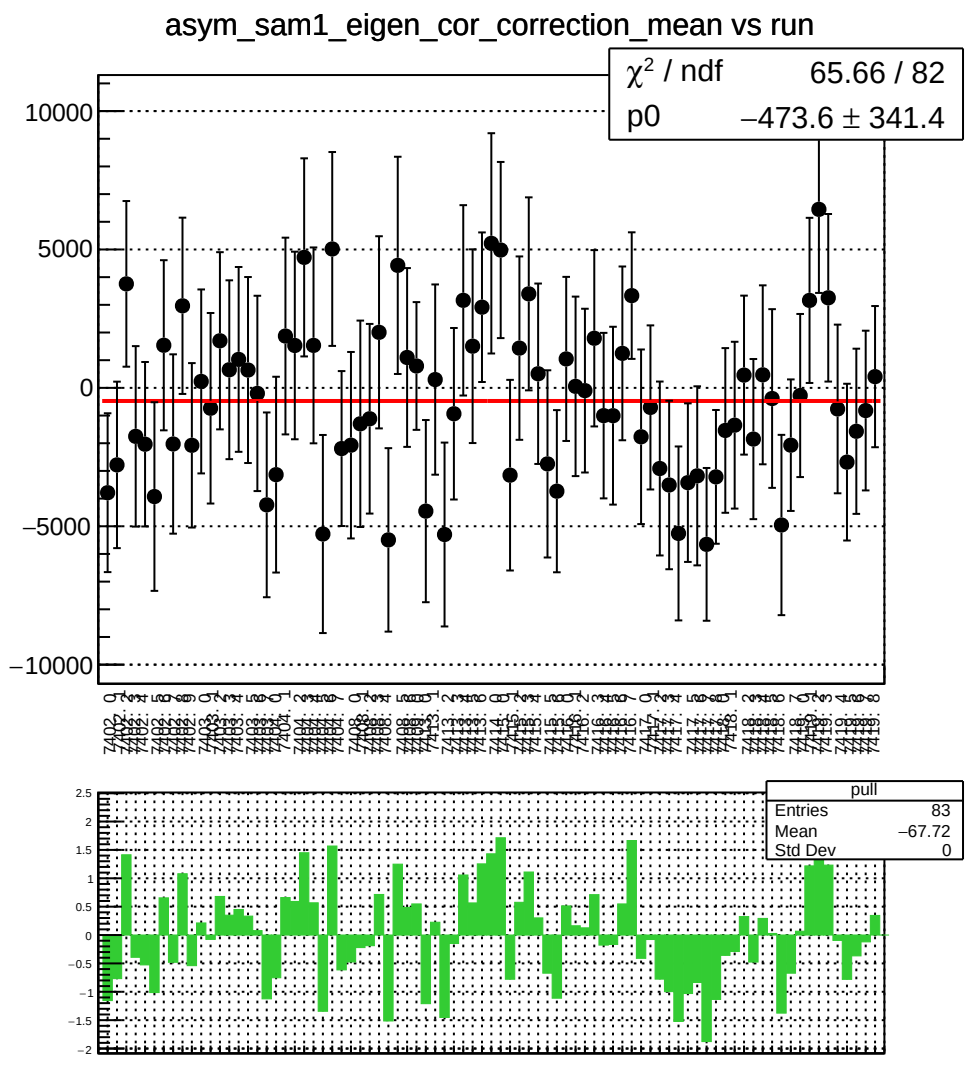

pull1D
Entries 83
Mean 0.00909
Std Dev 0.8894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

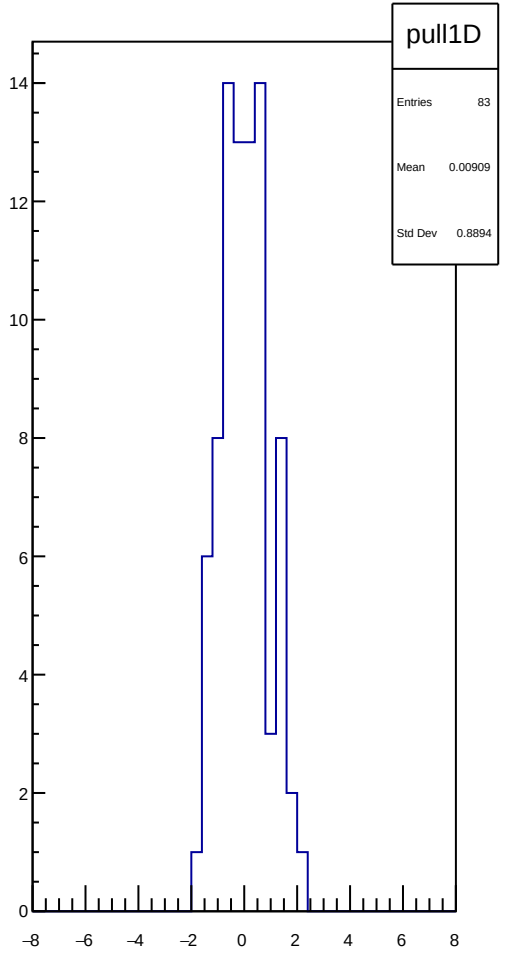

asym_sam1_cor_correction_rms vs run
χ² / ndf 8475 / 82
p0 302.5 ± 0.2414
380
360
340
320
300
280
260

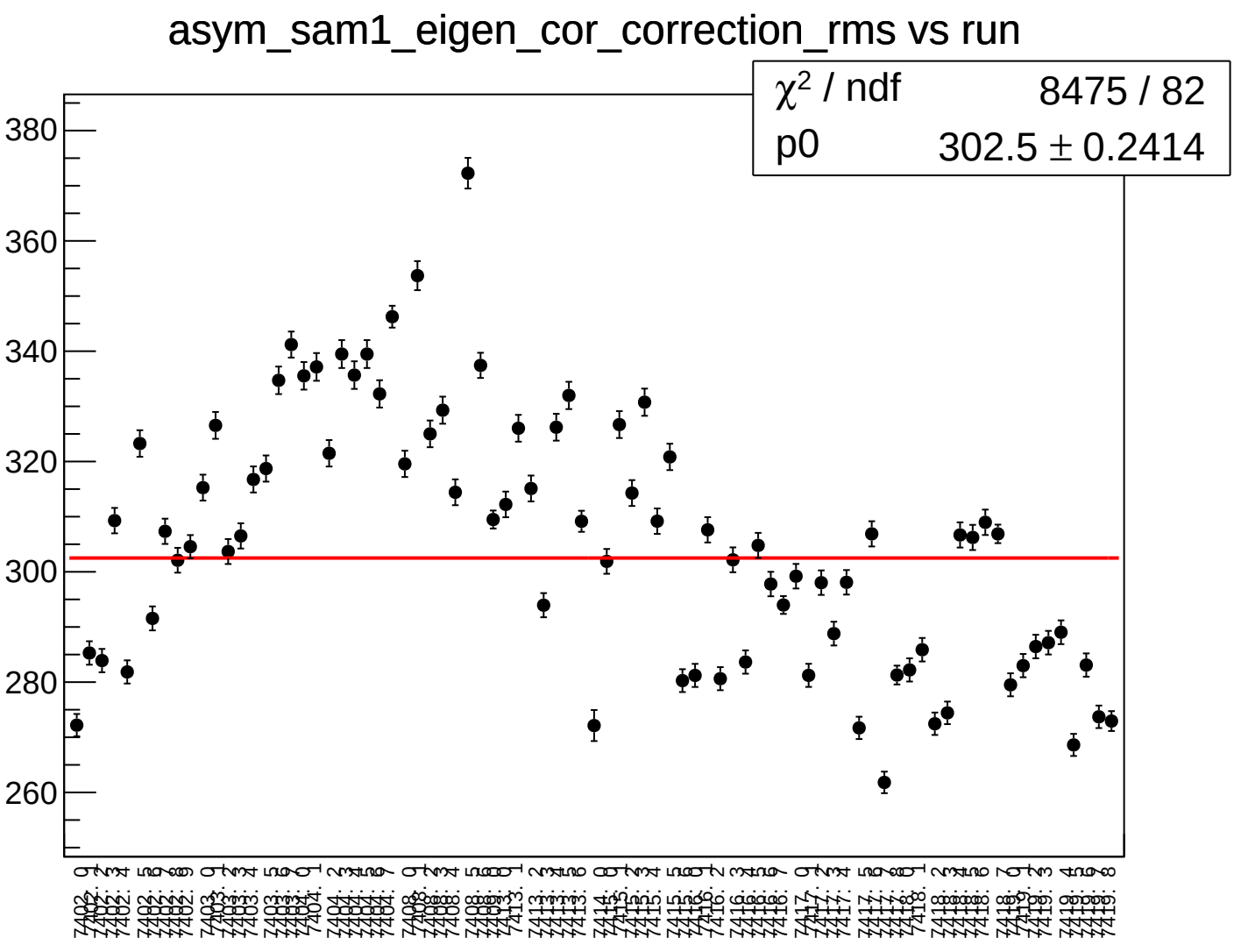

eigen_cor_asym_sam1_mean vs run
χ² / ndf 69.04 / 82
p0 −119.4 ± 99.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 241.8
Std Dev 0
2
1
0
−1
−2

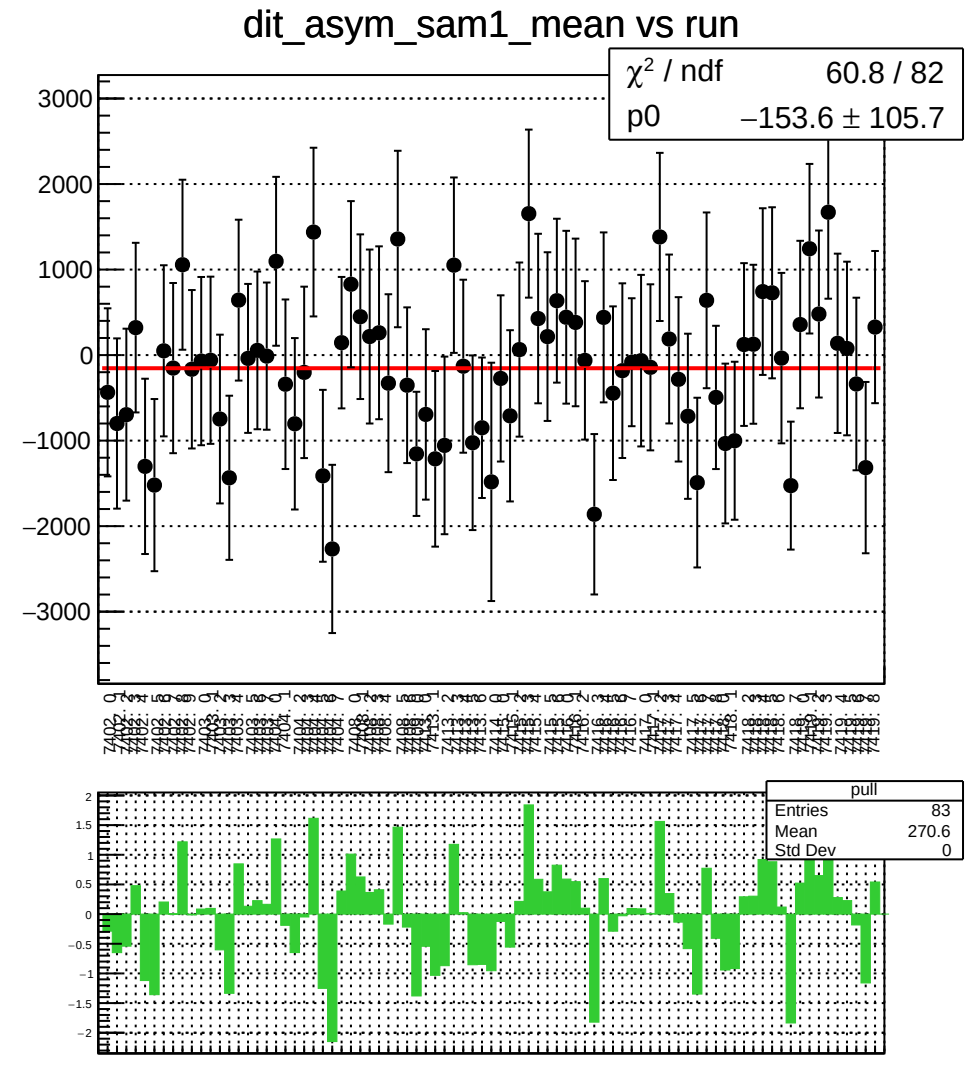

pull1D
Entries 83
Mean 0.01657
Std Dev 0.9119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

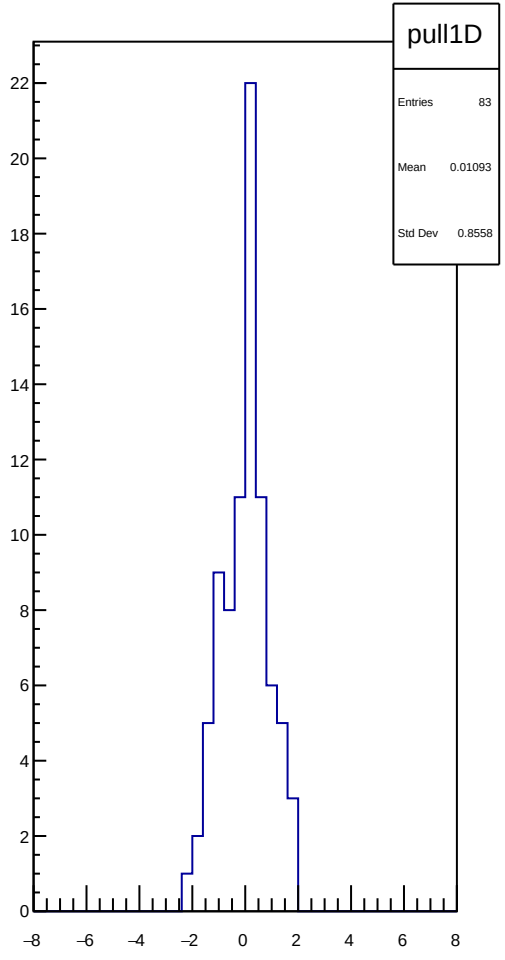

eigen_cor_asym_sam1_rms vs run
χ² / ndf 2235 / 82
p0 87.98 ± 0.07008
96
94
92
90
88
86
84
82
80
78

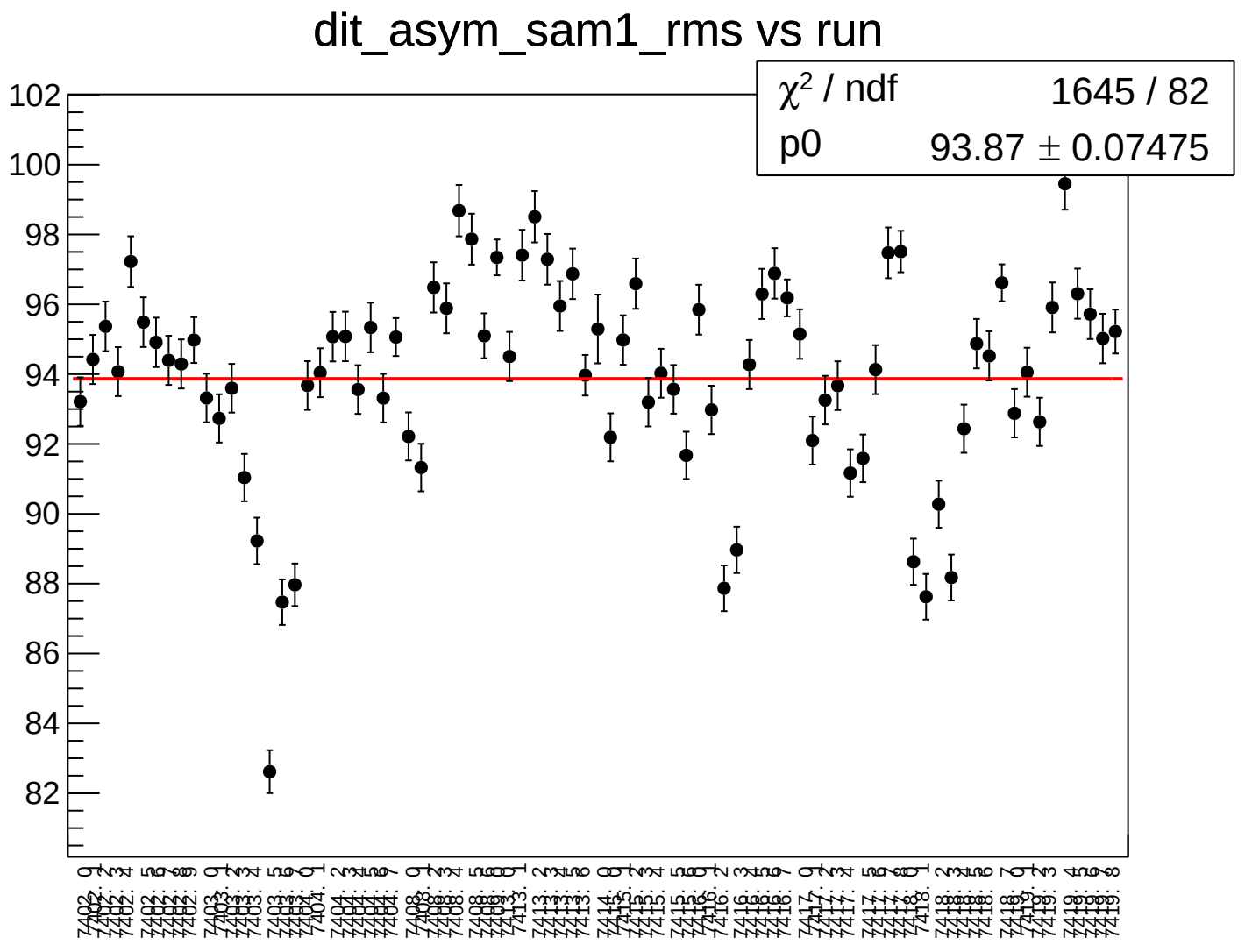

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 65.66 / 82
p0 −473.6 ± 341.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −67.72
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

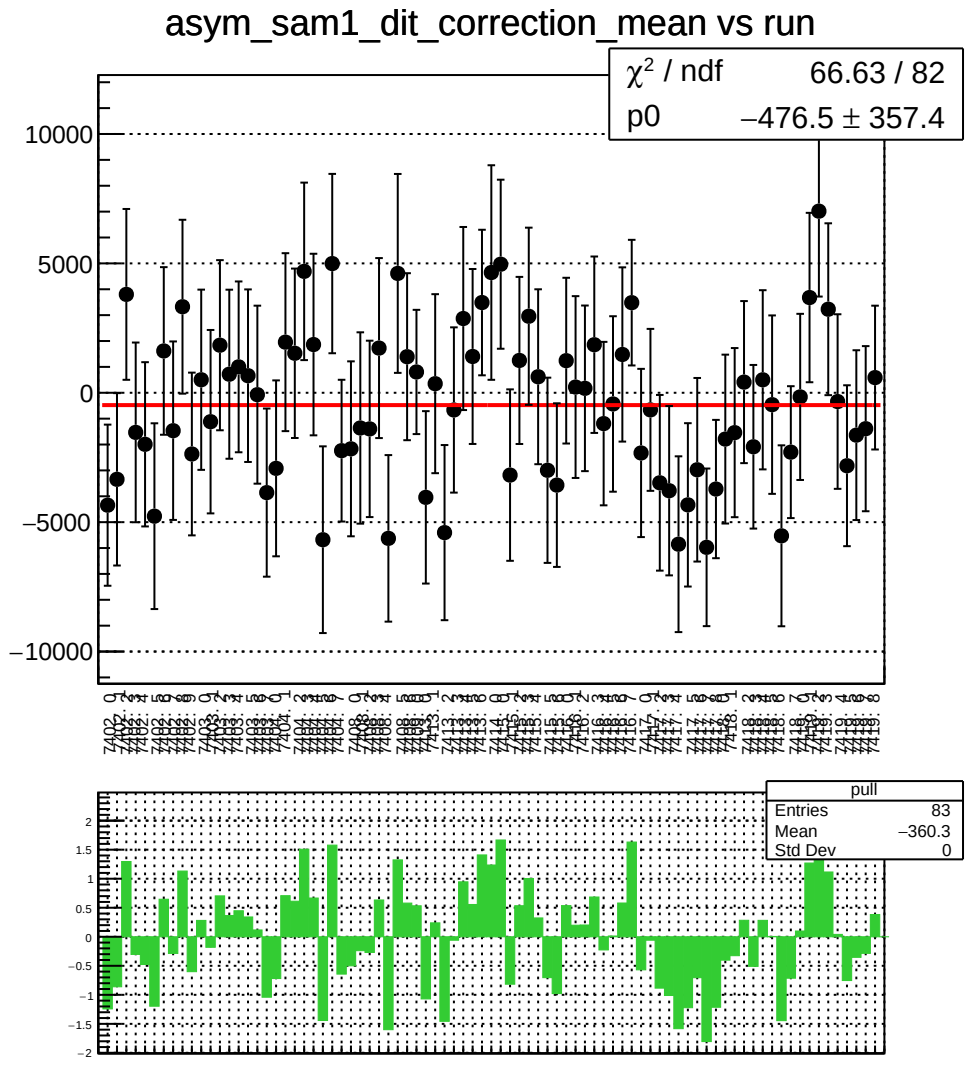

pull1D
Entries 83
Mean 0.00909
Std Dev 0.8894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

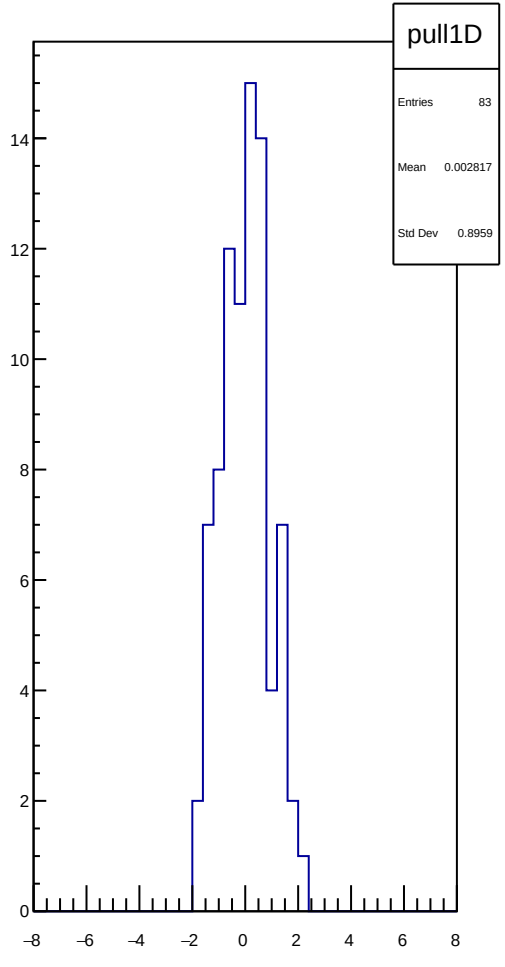

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 8475 / 82
p0 302.5 ± 0.2414
380
360
340
320
300
280
260

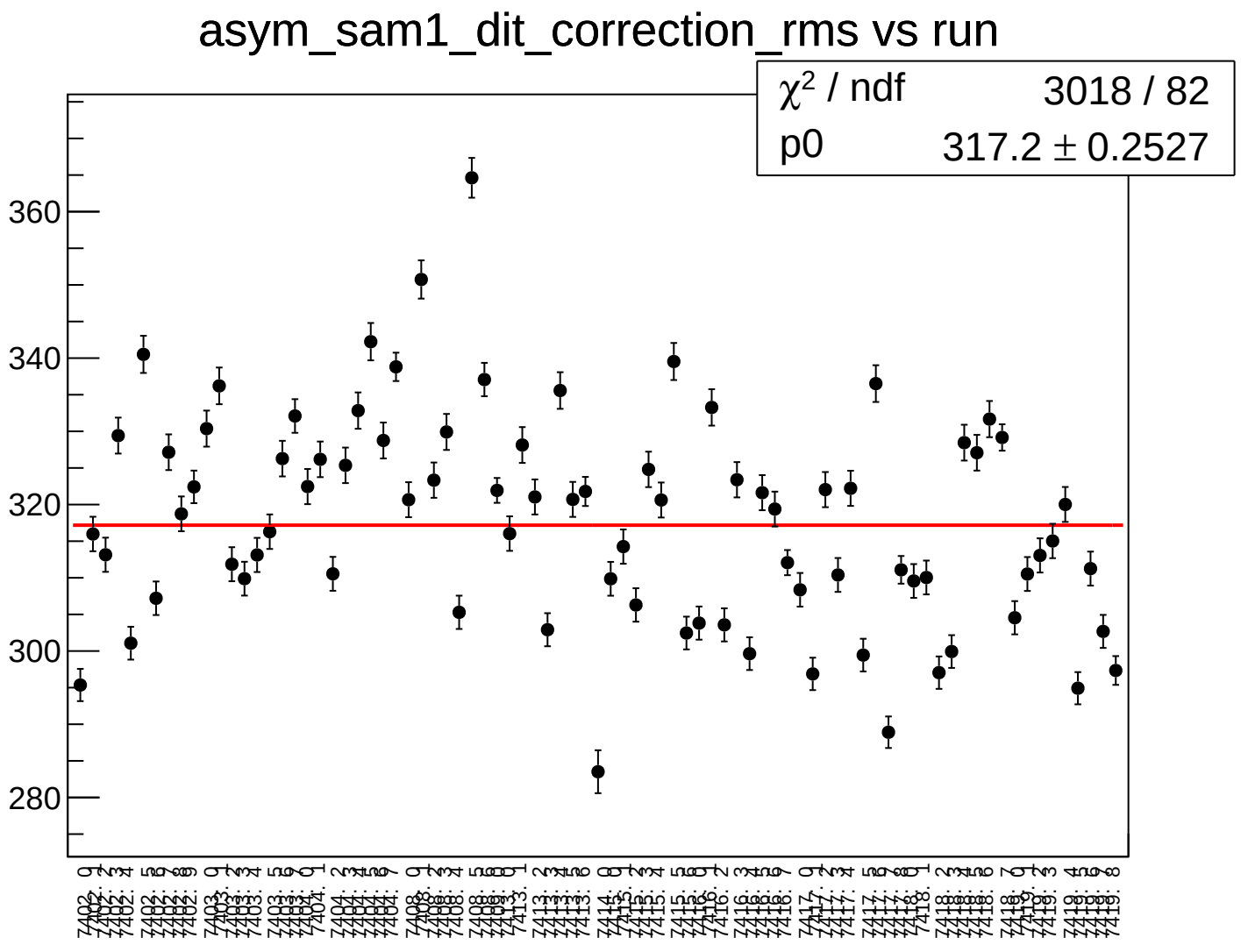

dit_asym_sam1_mean vs run
χ² / ndf 60.8 / 82
p0 −153.6 ± 105.7
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 270.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

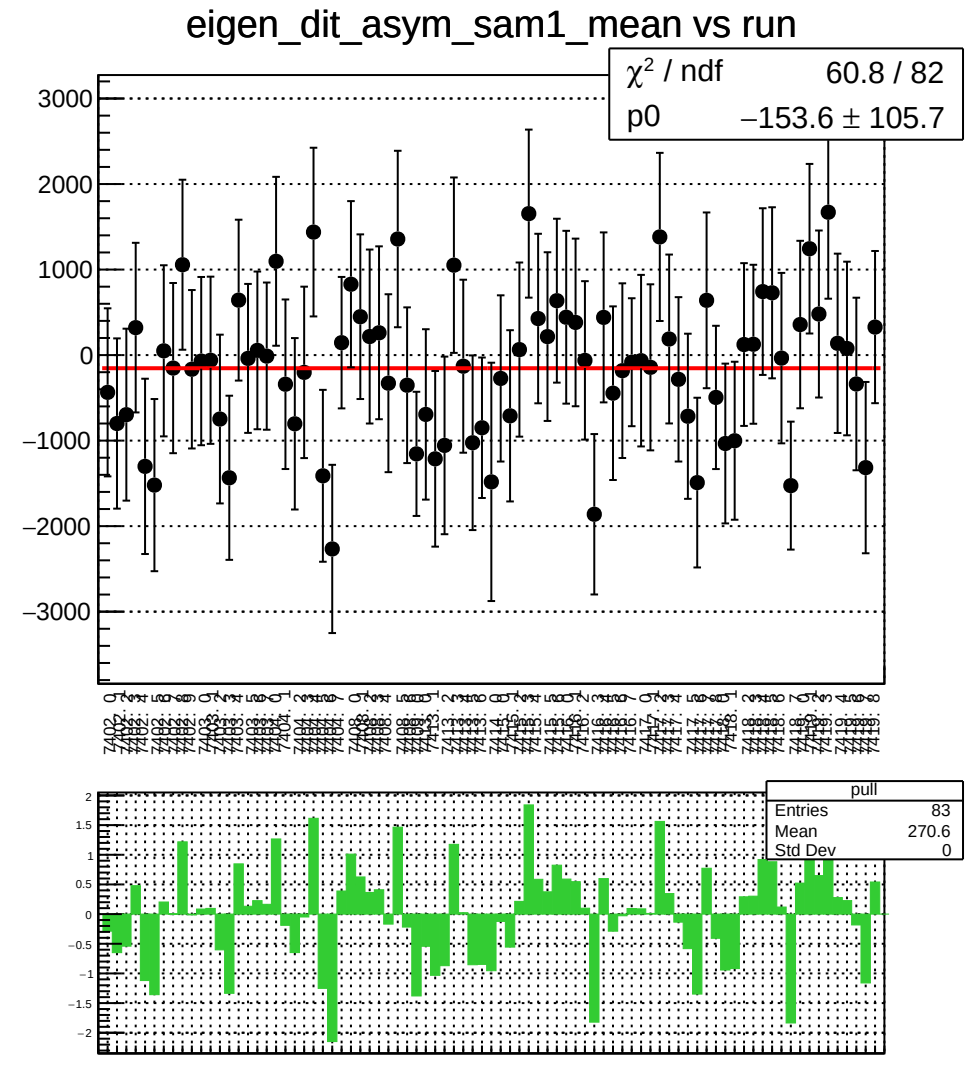

pull1D
Entries 83
Mean 0.01093
Std Dev 0.8558
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

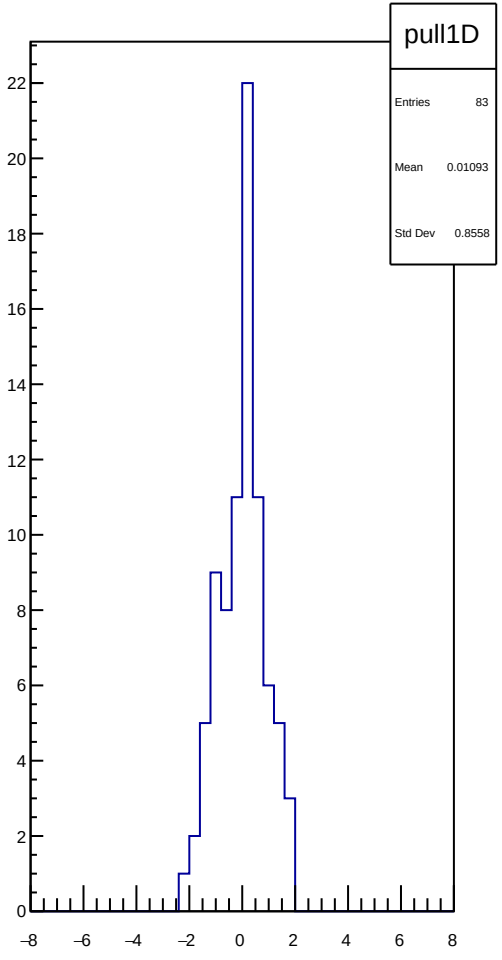

dit_asym_sam1_rms vs run
χ² / ndf 1645 / 82
p0 93.87 ± 0.07475
102
100
98
96
94
92
90
88
86
84
82

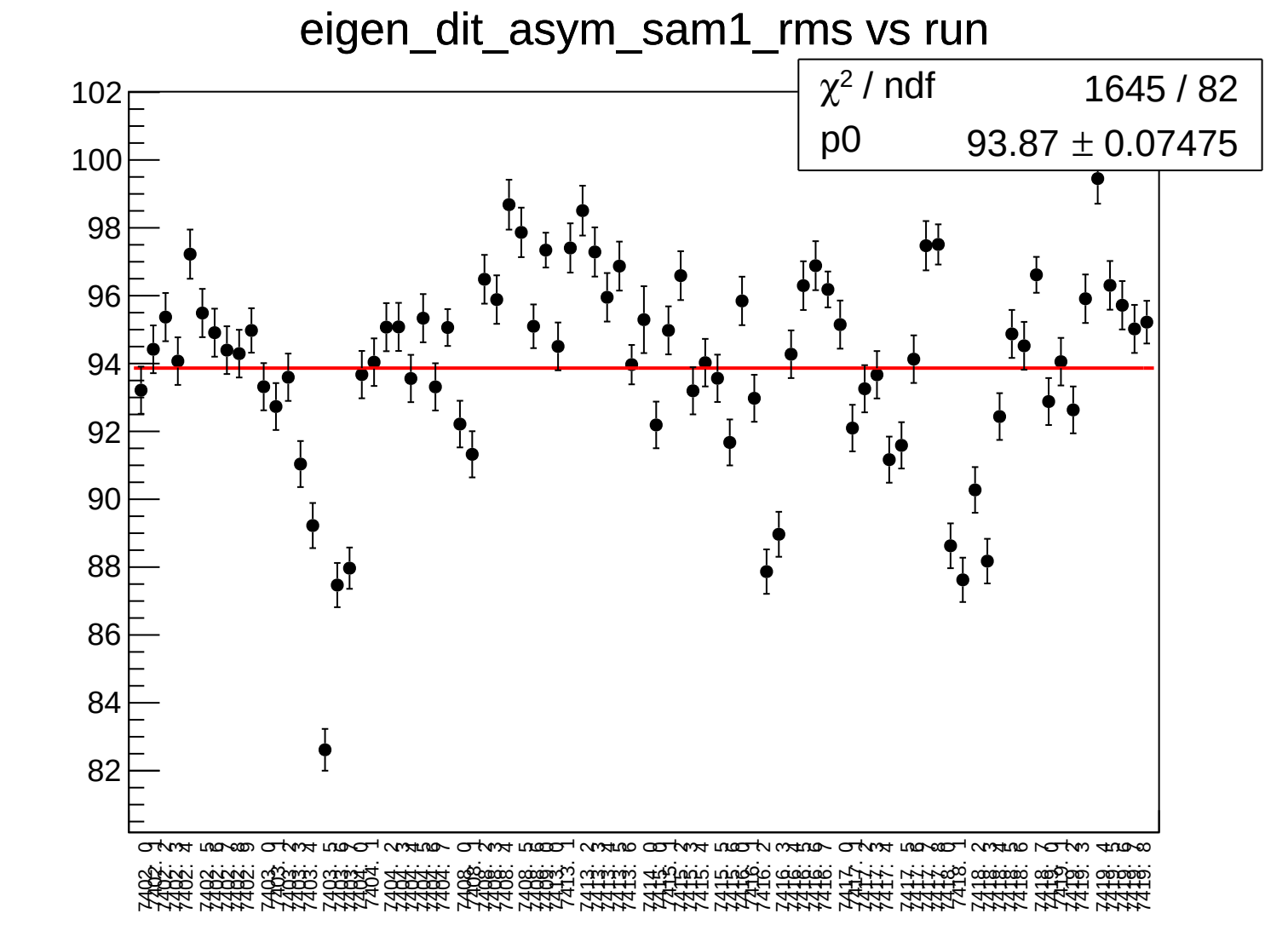

asym_sam1_dit_correction_mean vs run
χ² / ndf 66.63 / 82
p0 −476.5 ± 357.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −360.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

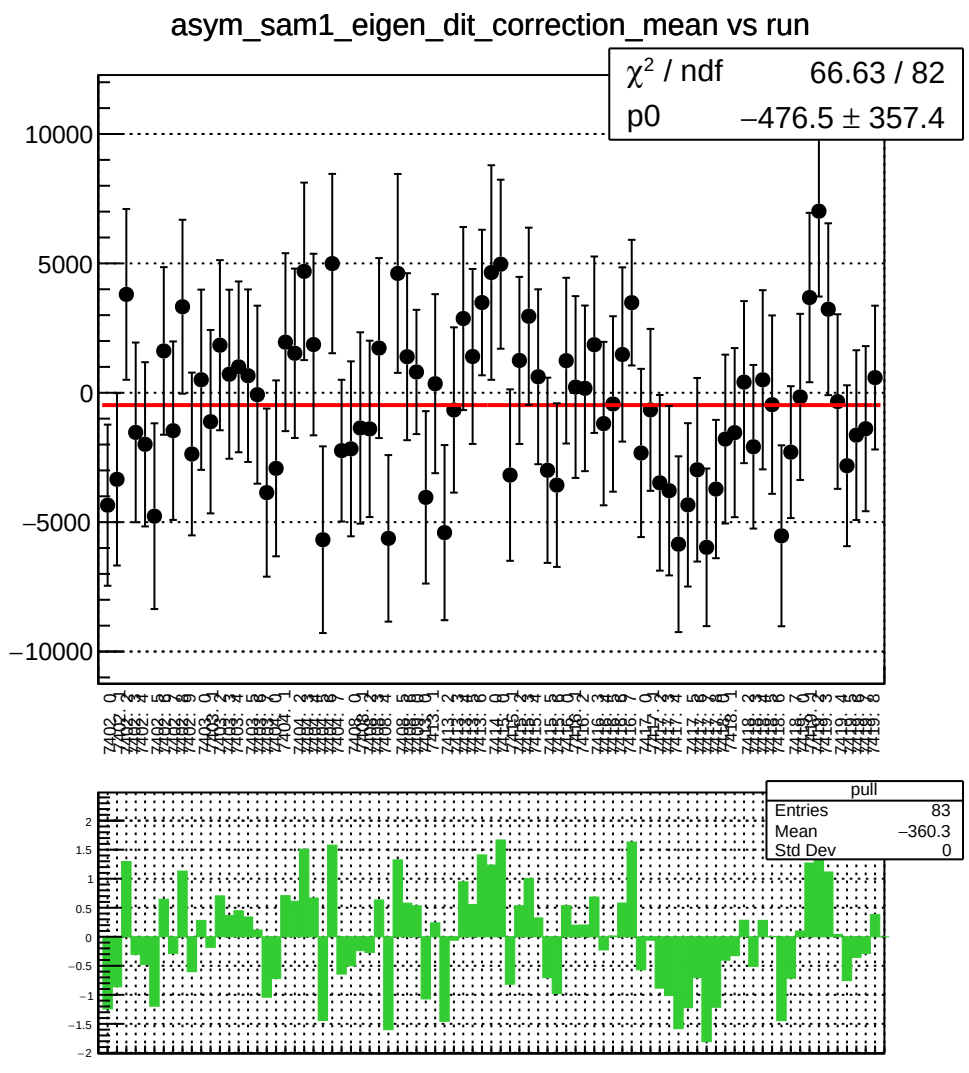

pull1D
Entries 83
Mean 0.002817
Std Dev 0.8959
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

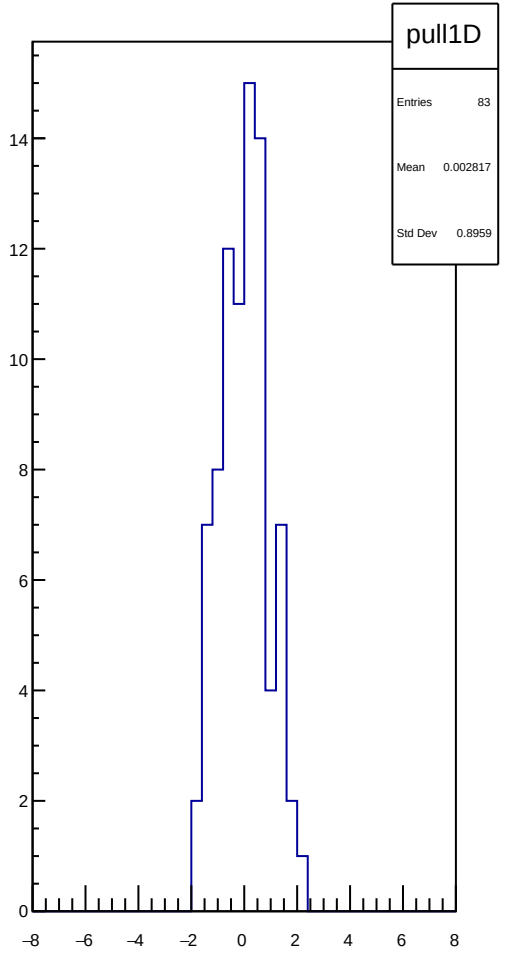

asym_sam1_dit_correction_rms vs run
χ² / ndf 3018 / 82
p0 317.2 ± 0.2527
360
340
320
300
280

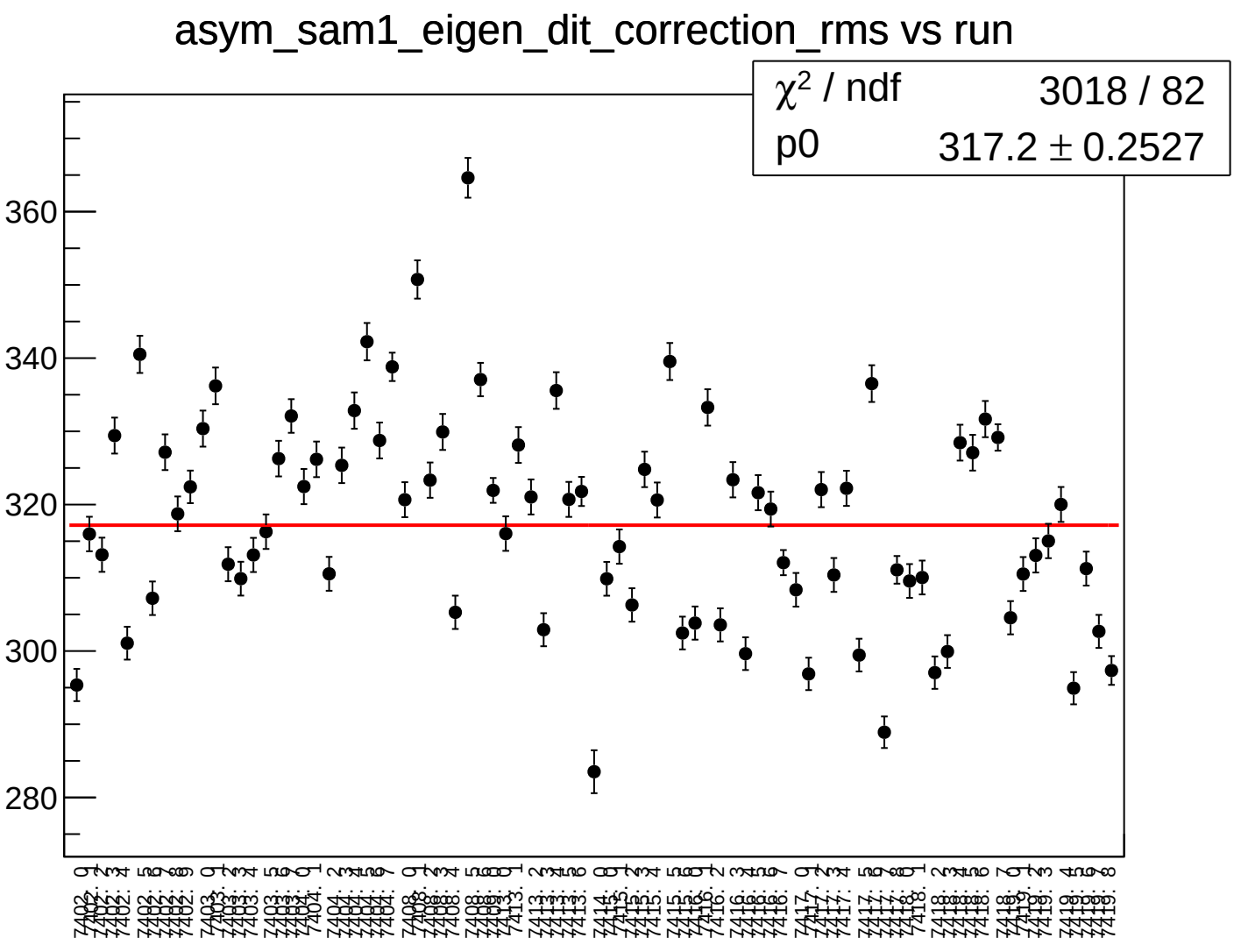

eigen_dit_asym_sam1_mean vs run
χ² / ndf 60.8 / 82
p0 −153.6 ± 105.7
pull
Entries 83
Mean 270.6
Std Dev 0

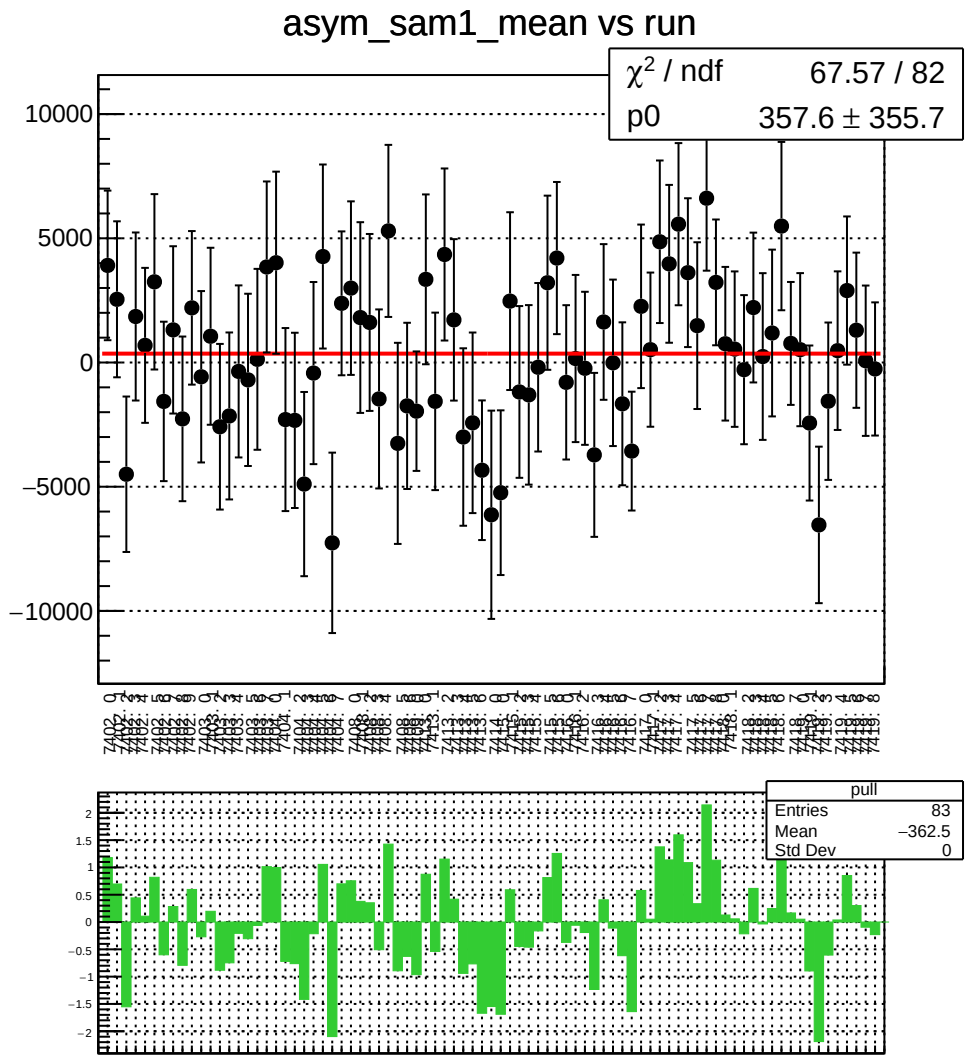

pull1D
Entries 83
Mean 0.01093
Std Dev 0.8558

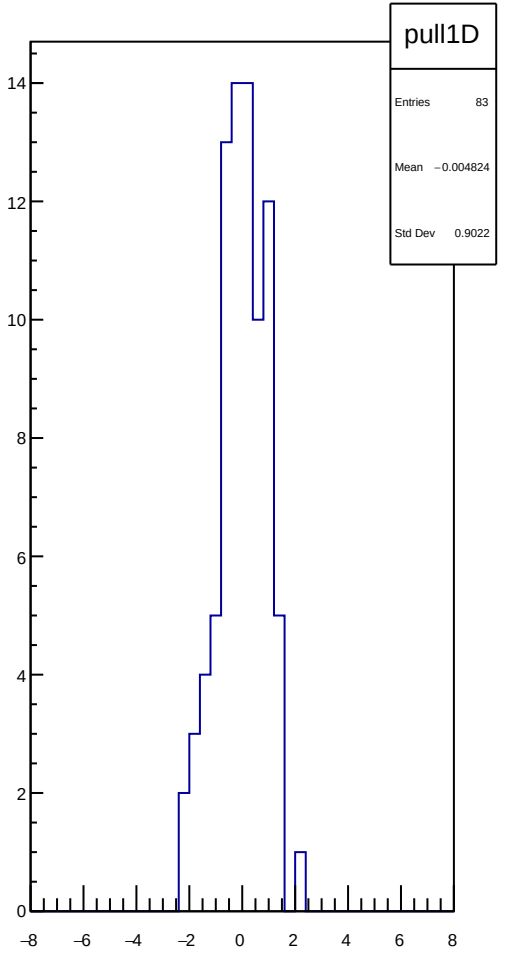

eigen_dit_asym_sam1_rms vs run
χ² / ndf 1645 / 82
p0 93.87 ± 0.07475
102
100
98
96
94
92
90
88
86
84
82

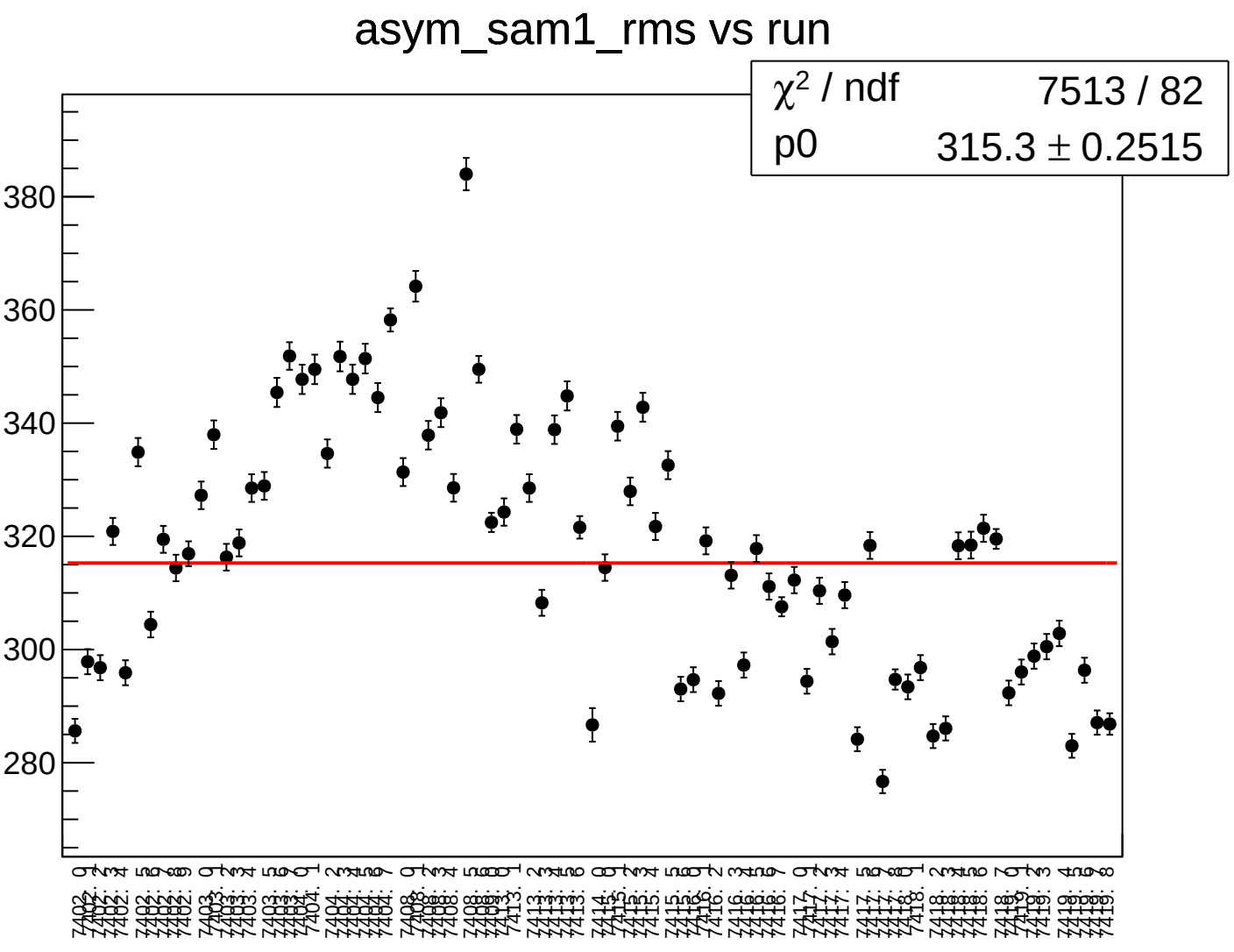

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 66.63 / 82
p0 −476.5 ± 357.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −360.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

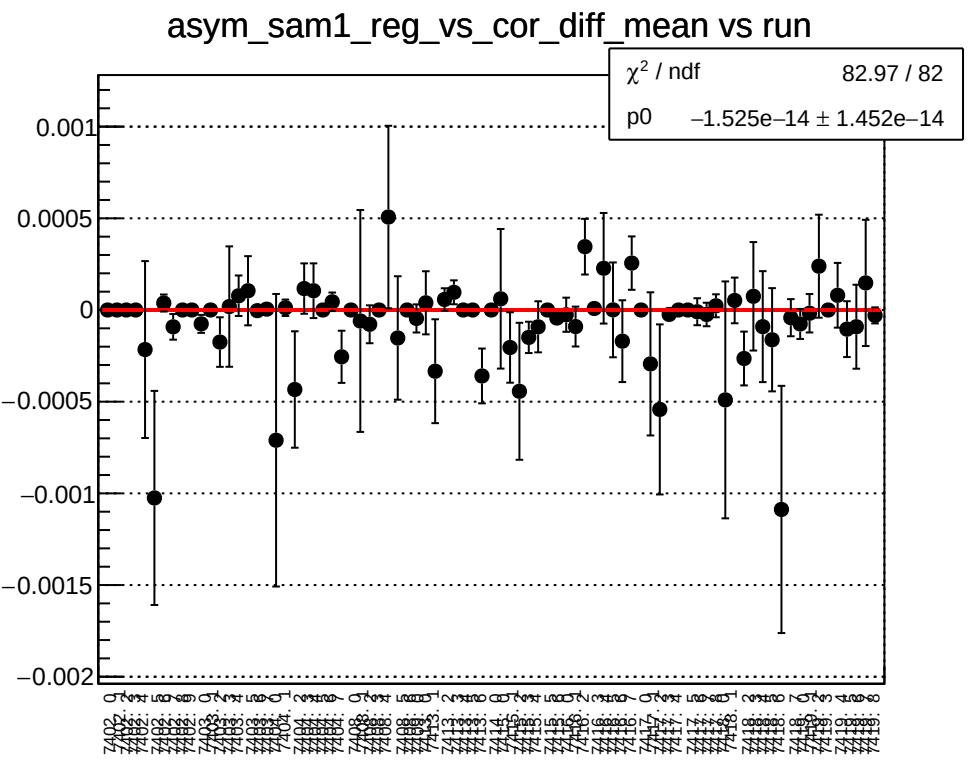

pull1D
Entries 83
Mean 0.002817
Std Dev 0.8959
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

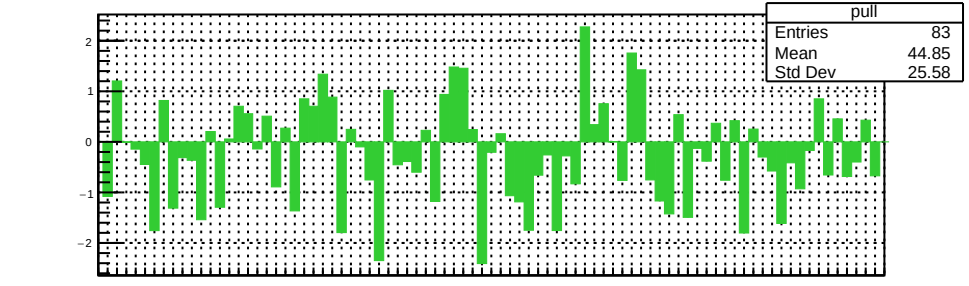

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 3018 / 82
p0 317.2 ± 0.2527
360
340
320
300
280

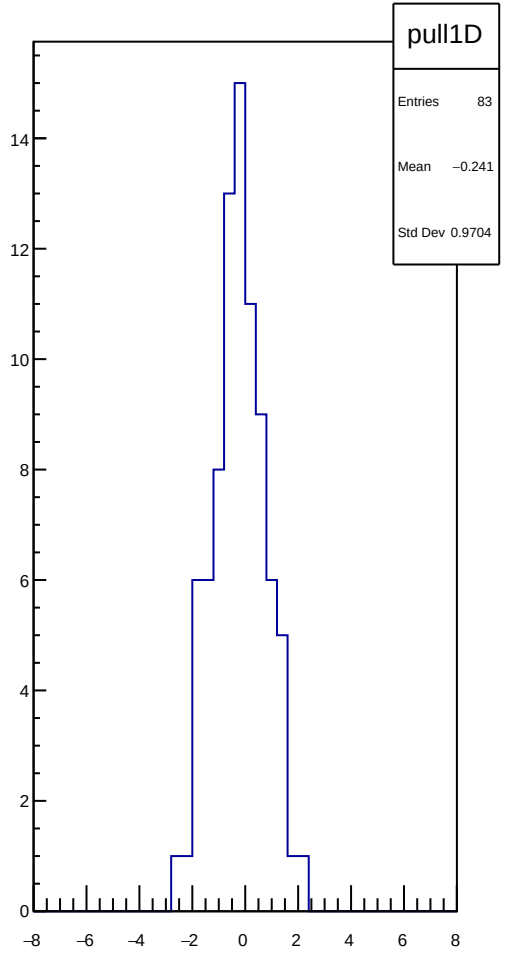

asym_sam1_mean vs run
χ² / ndf 67.57 / 82
p0 357.6 ± 355.7
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −362.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

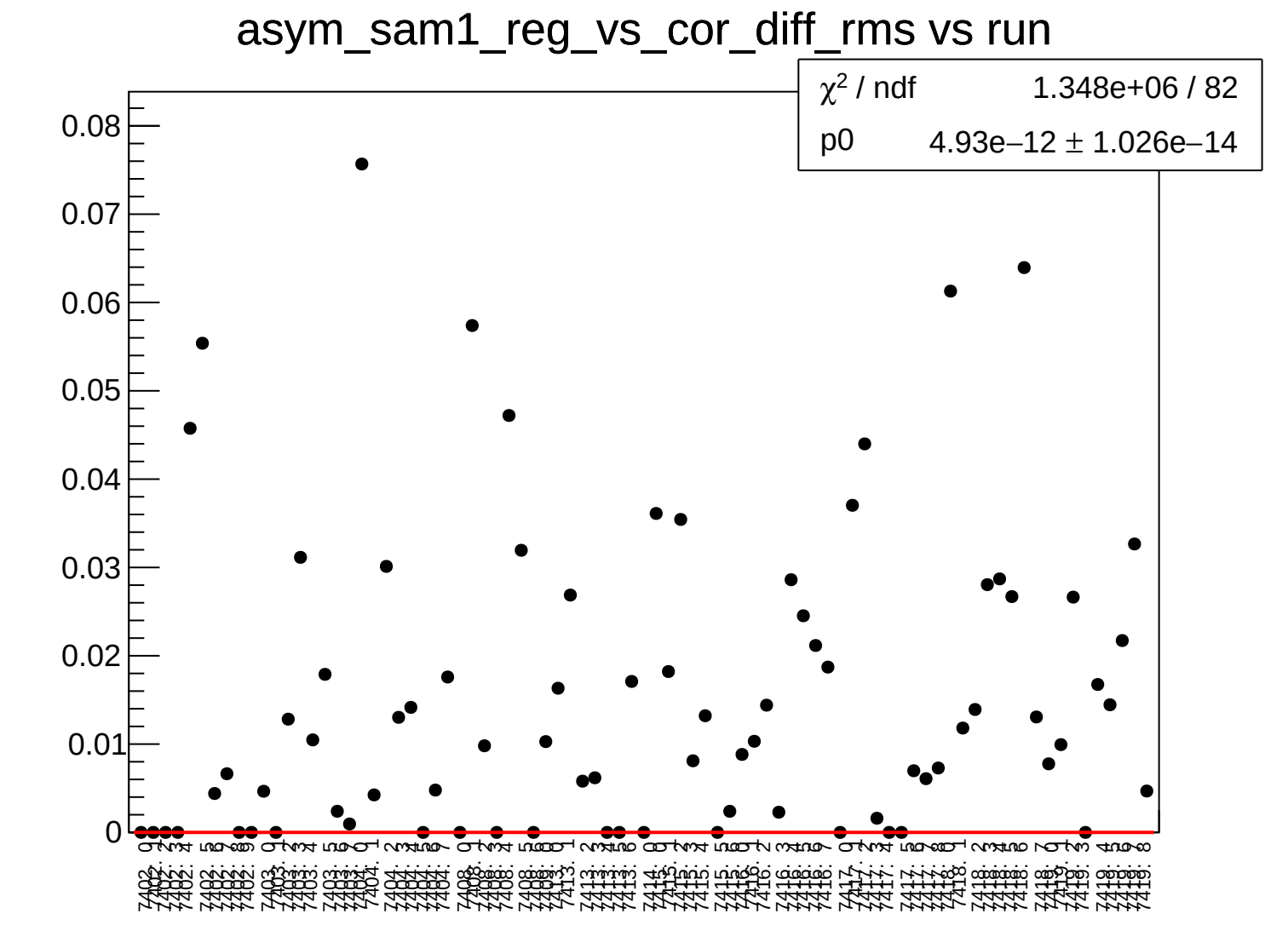

pull1D
Entries 83
Mean −0.004824
Std Dev 0.9022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

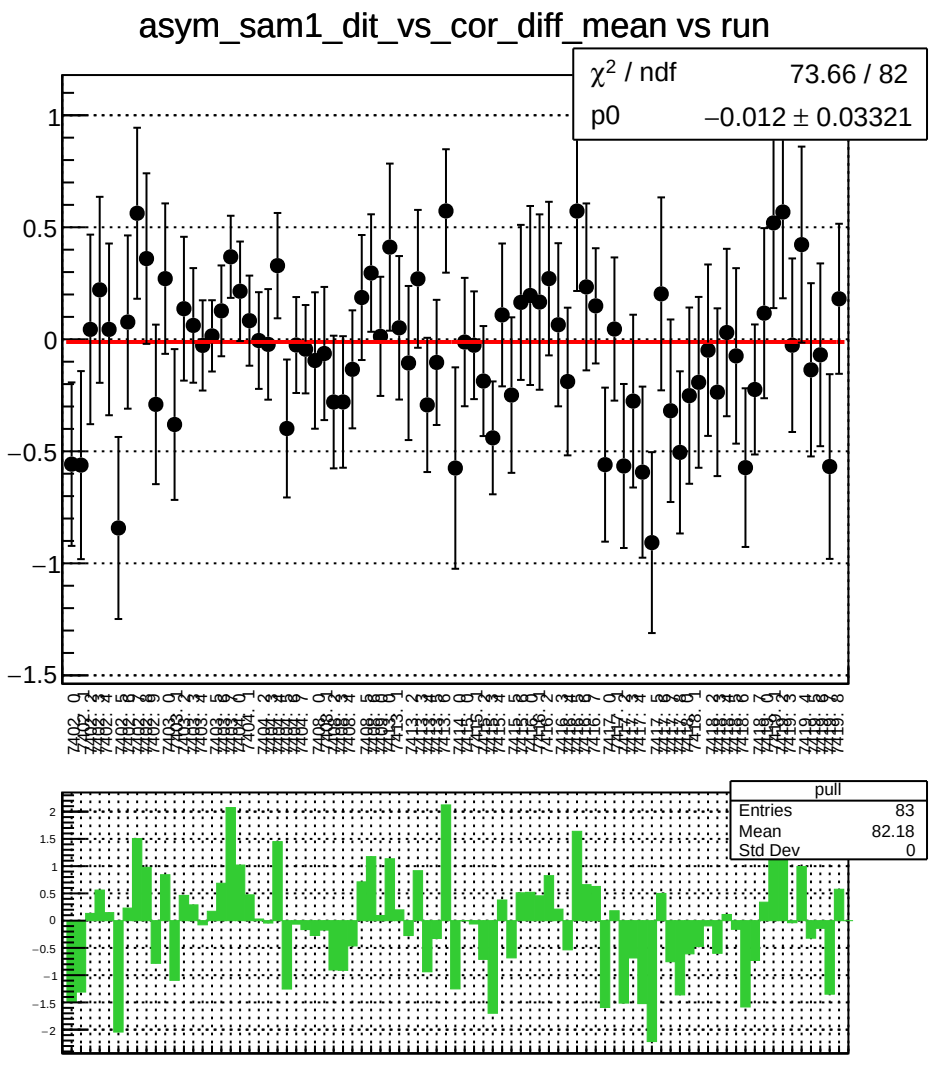

asym_sam1_rms vs run
χ² / ndf 7513 / 82
p0 315.3 ± 0.2515
380
360
340
320
300
280

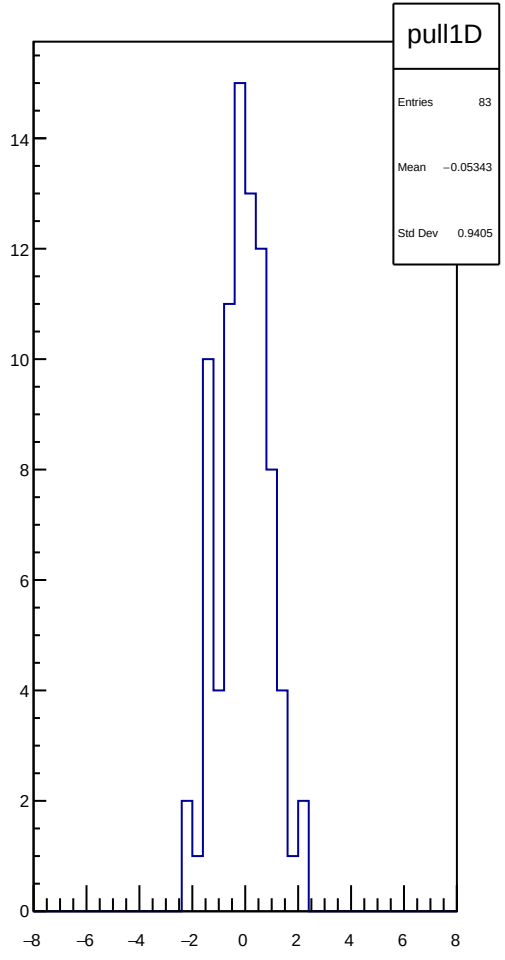

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 82.97 / 82
p0 −1.525e−14 ± 1.452e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002

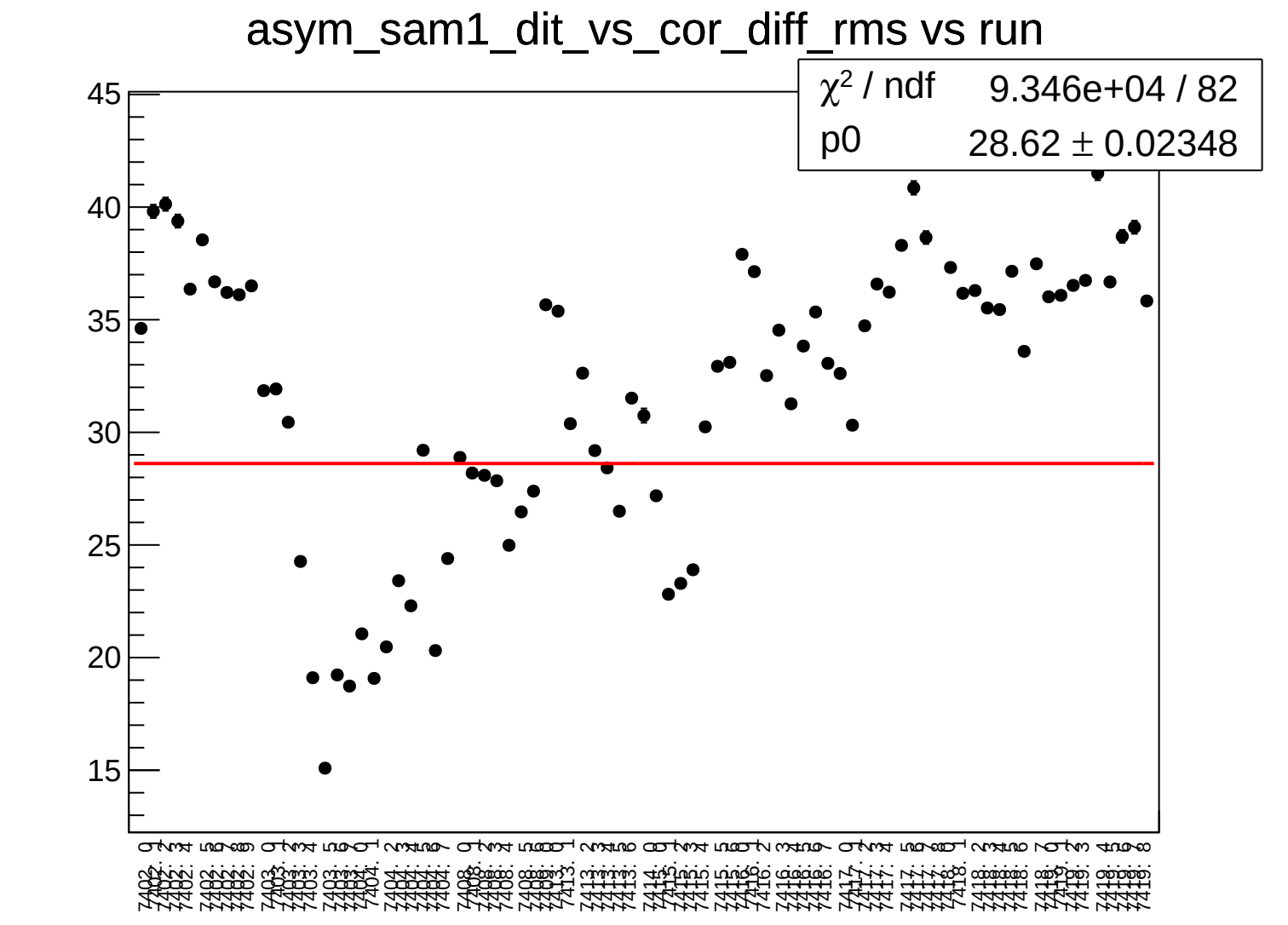

pull
Entries 83
Mean 44.85
Std Dev 25.58
2
1
0
−1
−2

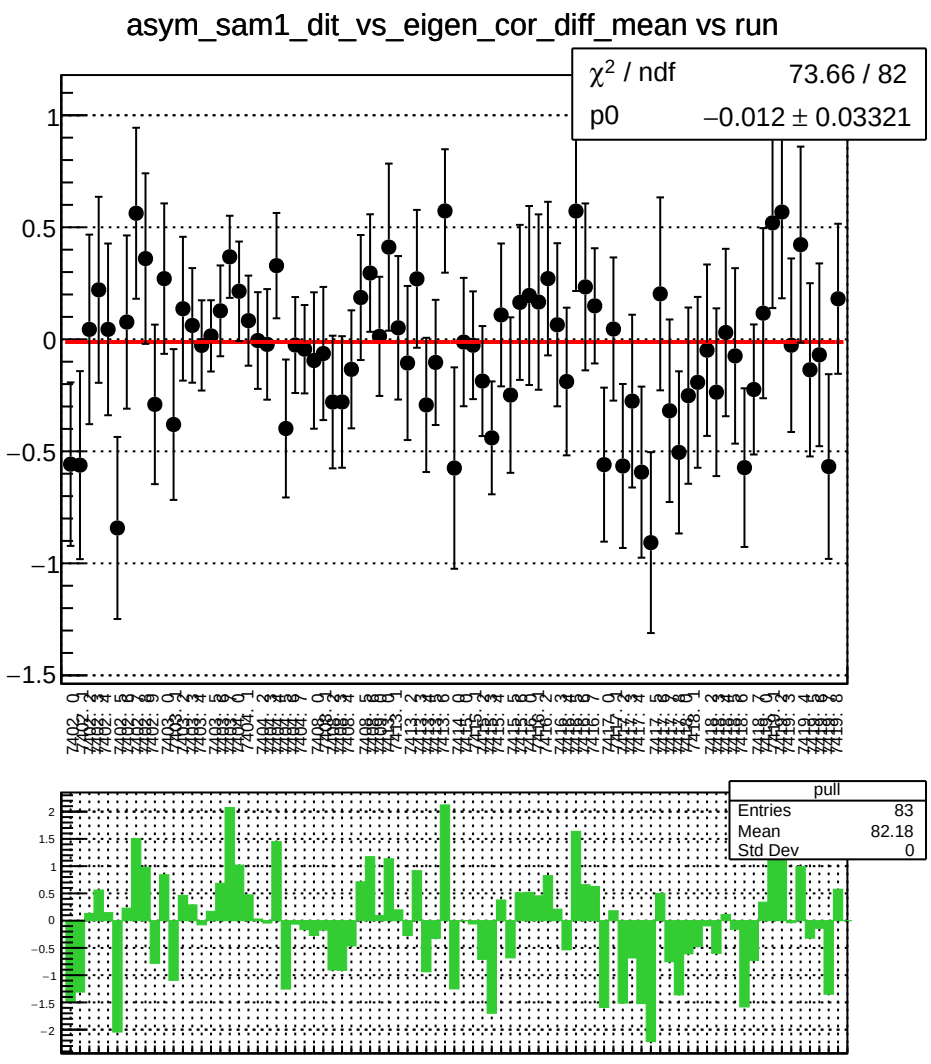

pull1D
Entries 83
Mean −0.241
Std Dev 0.9704
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

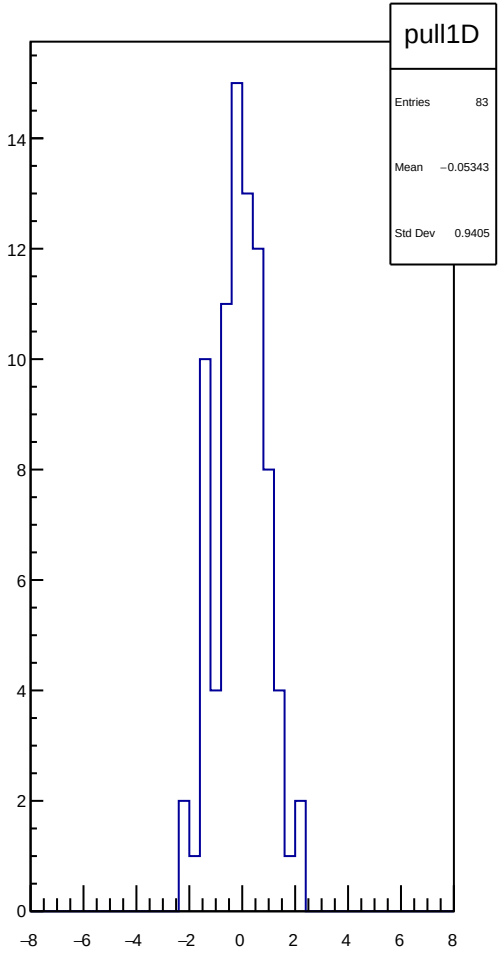

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 1.348e+06 / 82
p0 4.93e−12 ± 1.026e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

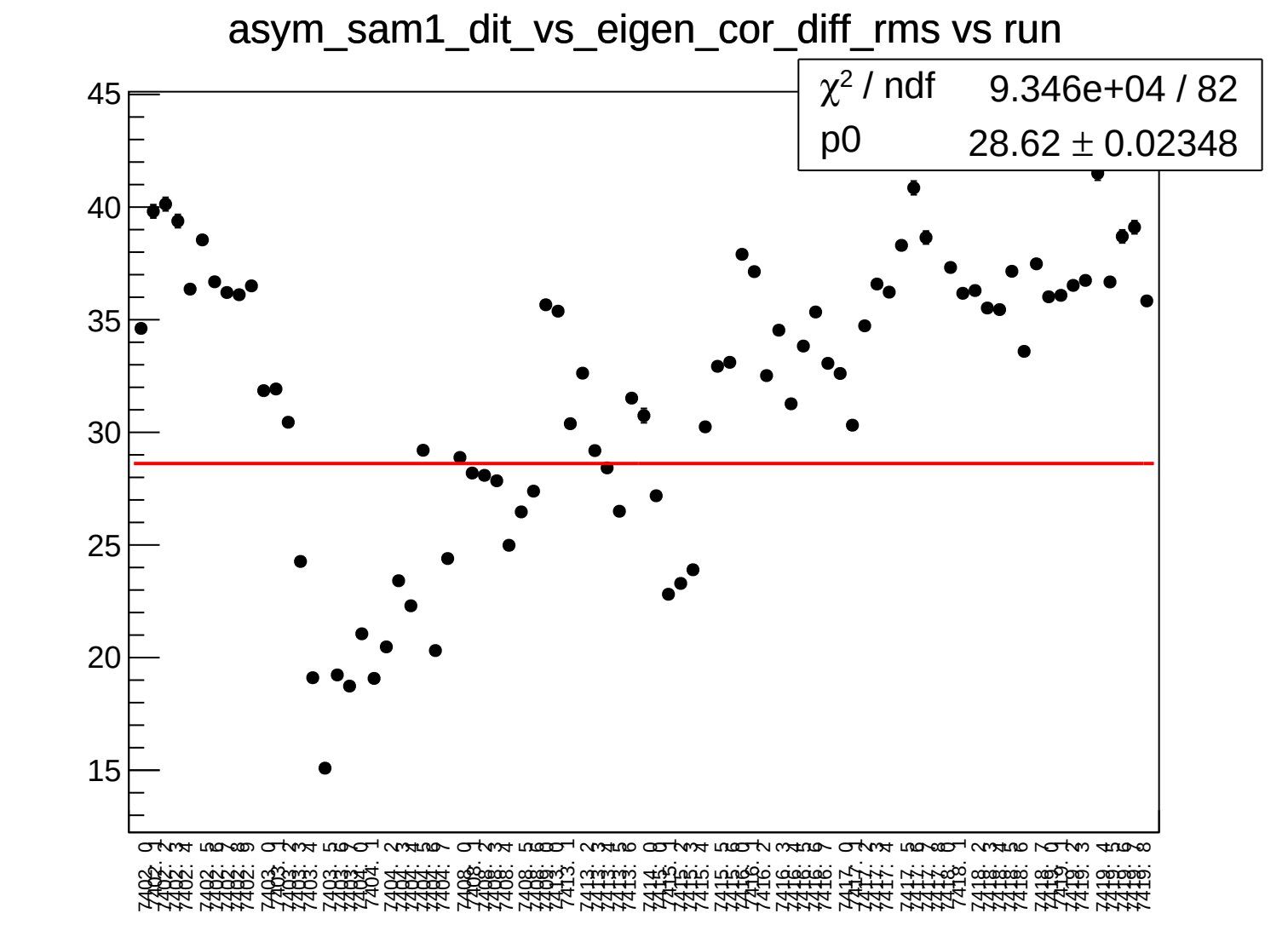

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 73.66 / 82
p0 −0.012 ± 0.03321
pull
Entries 83
Mean 82.18
Std Dev 0

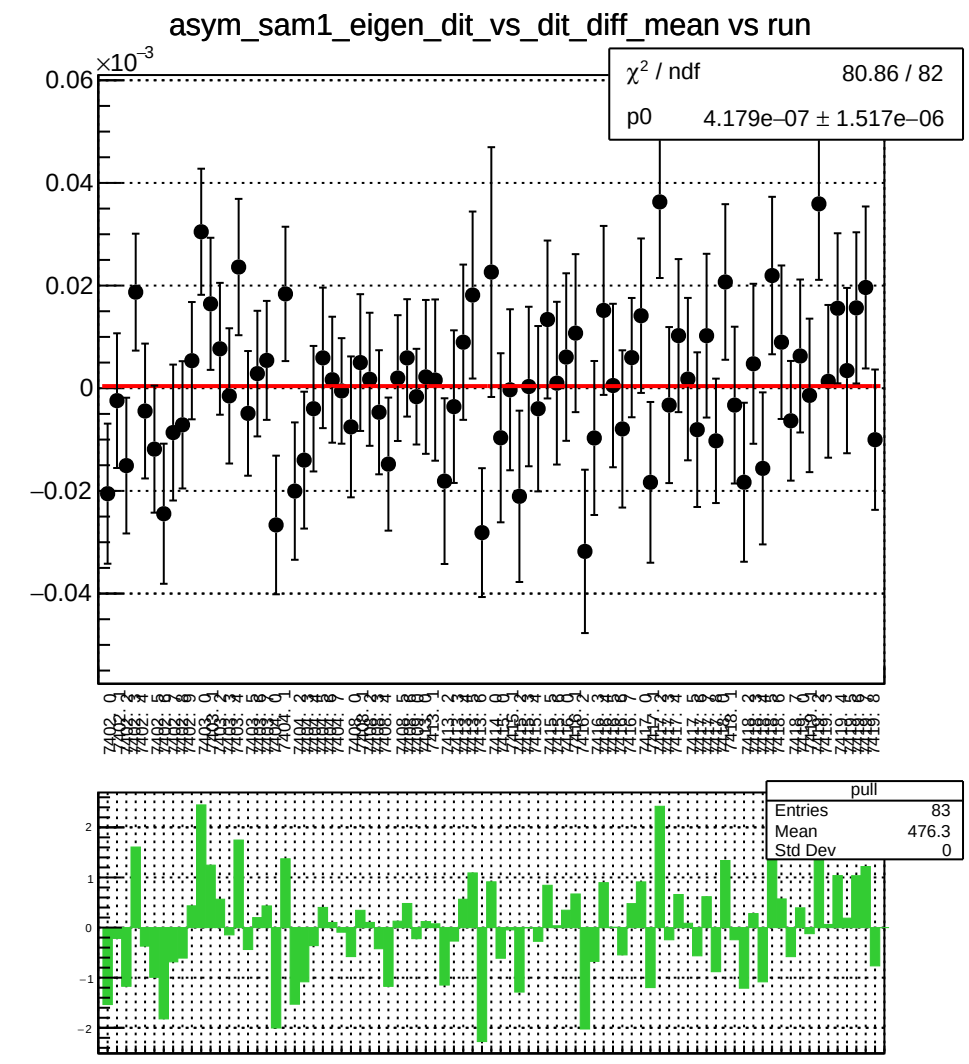

pull1D
Entries 83
Mean −0.05343
Std Dev 0.9405

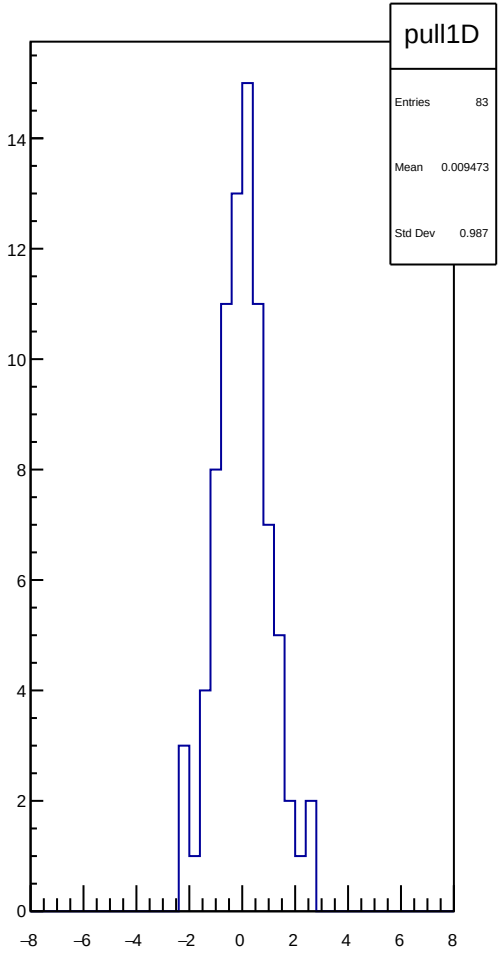

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 9.346e+04 / 82
p0 28.62 ± 0.02348
45
40
35
30
25
20
15

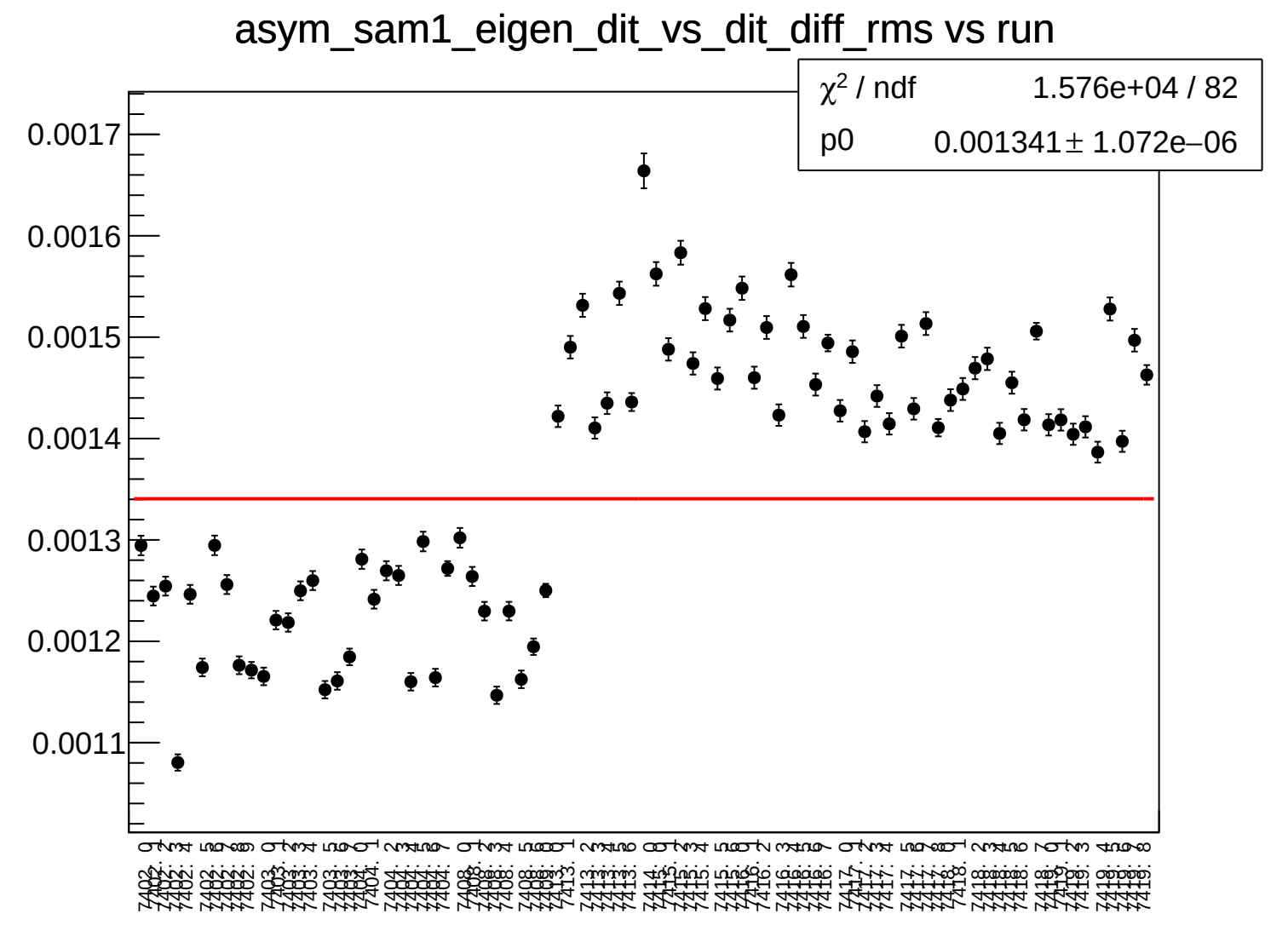

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.66 / 82
p0 −0.012 ± 0.03321
pull
Entries 83
Mean 82.18
Std Dev 0

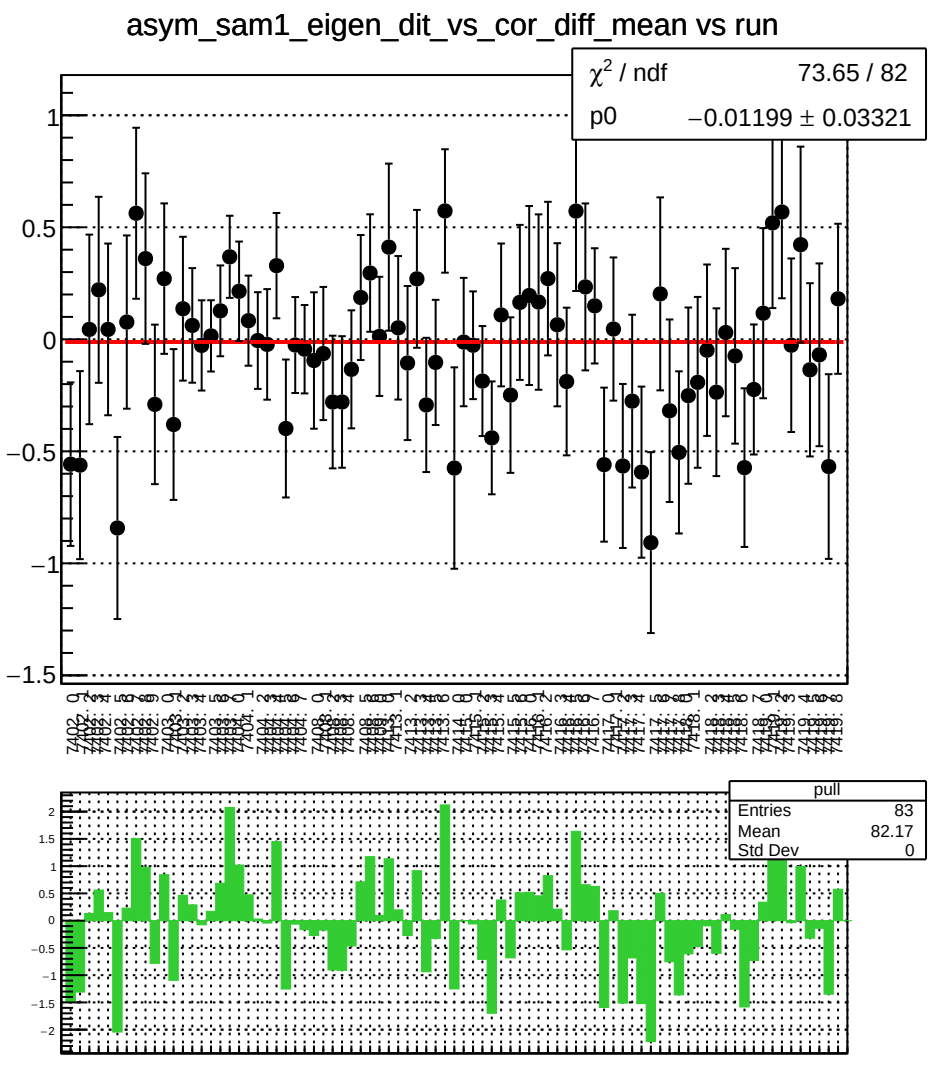

pull1D
Entries 83
Mean −0.05343
Std Dev 0.9405

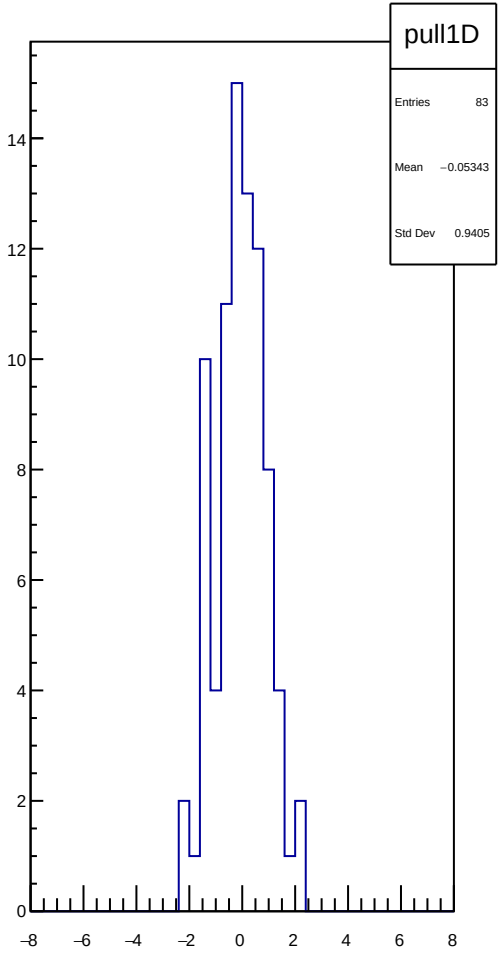

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.346e+04 / 82
p0 28.62 ± 0.02348
45
40
35
30
25
20
15

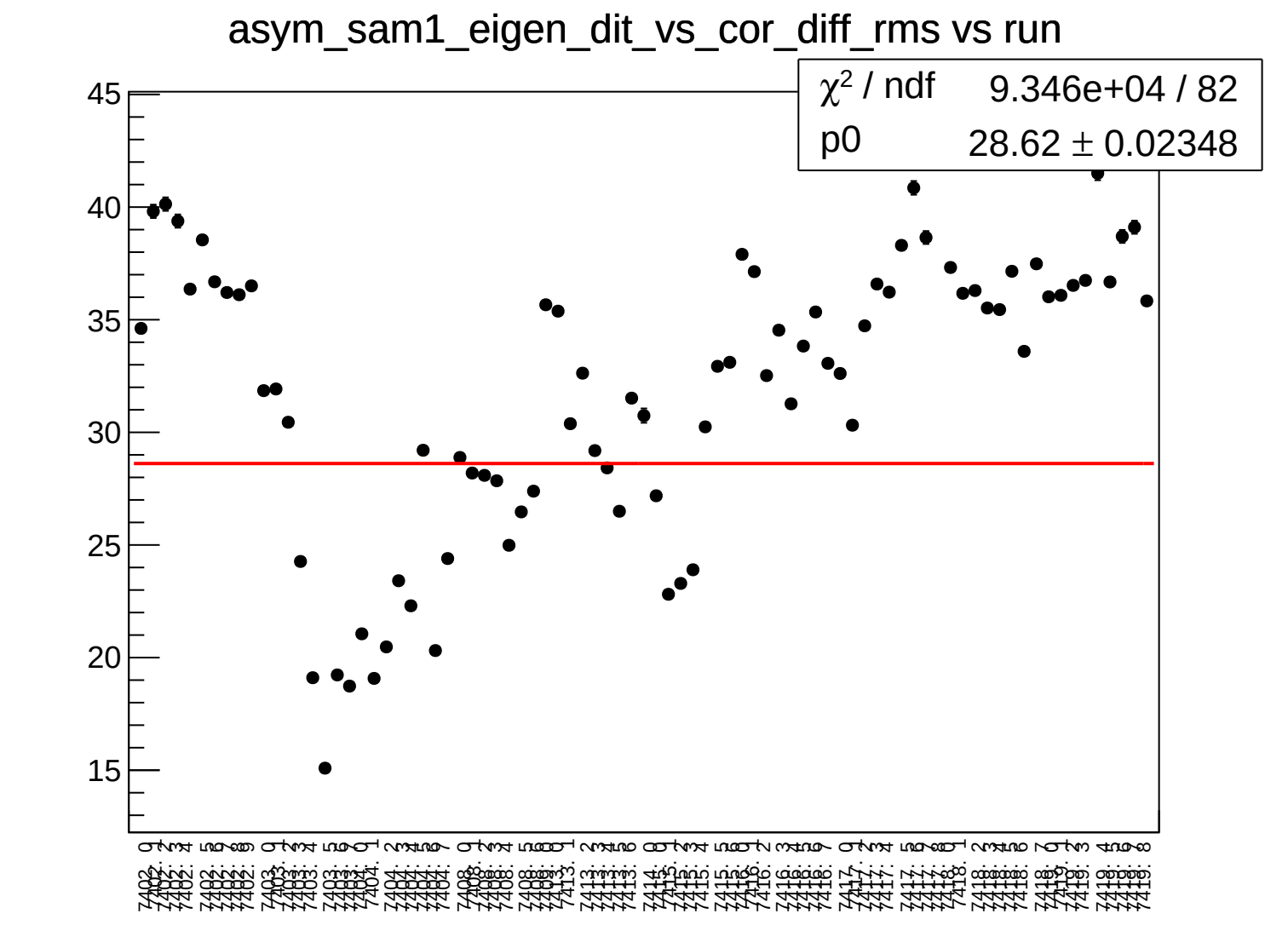

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 80.86 / 82
p0 4.179e−07 ± 1.517e−06
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean 476.3
Std Dev 0
2
1
0
−1
−2

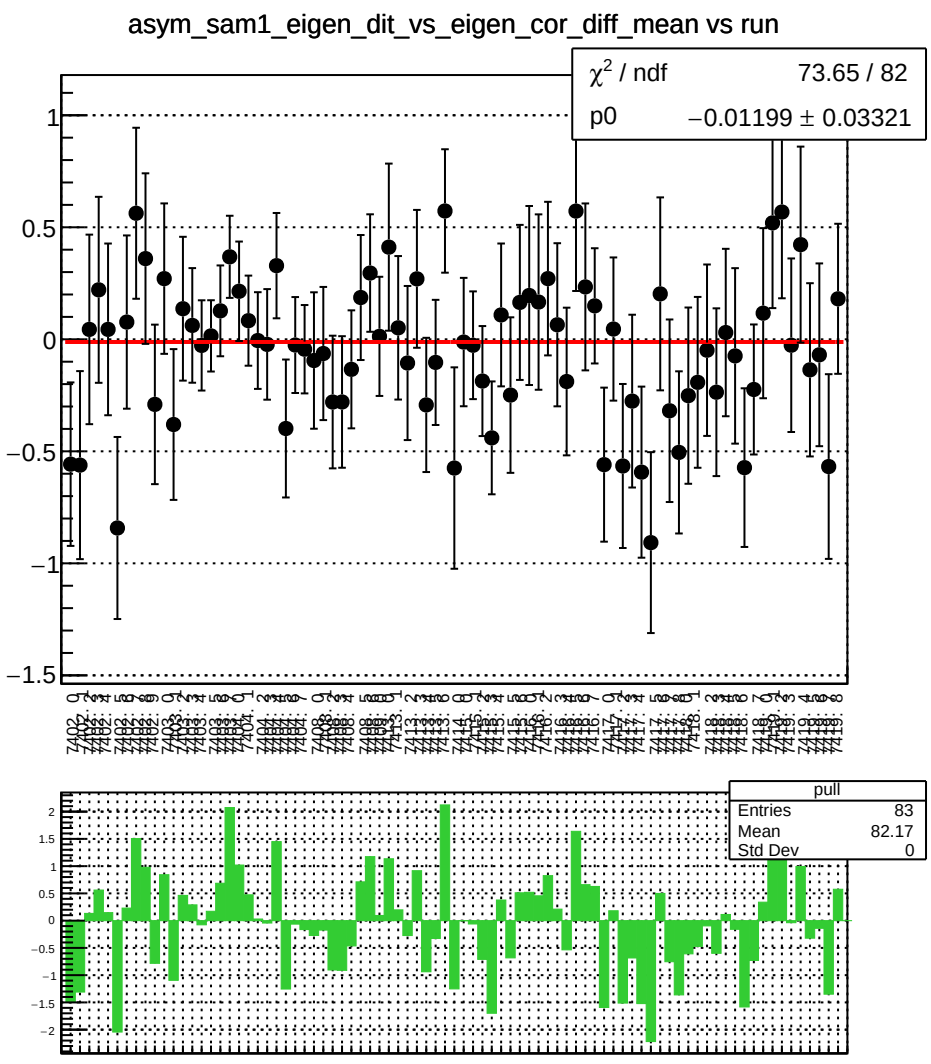

pull1D
Entries 83
Mean 0.009473
Std Dev 0.987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

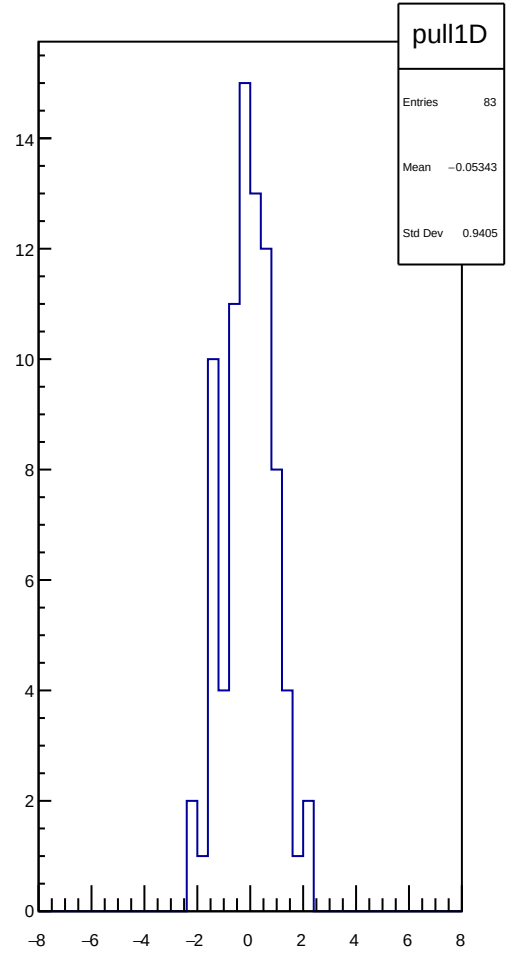

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.576e+04 / 82
p0 0.001341 ± 1.072e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011

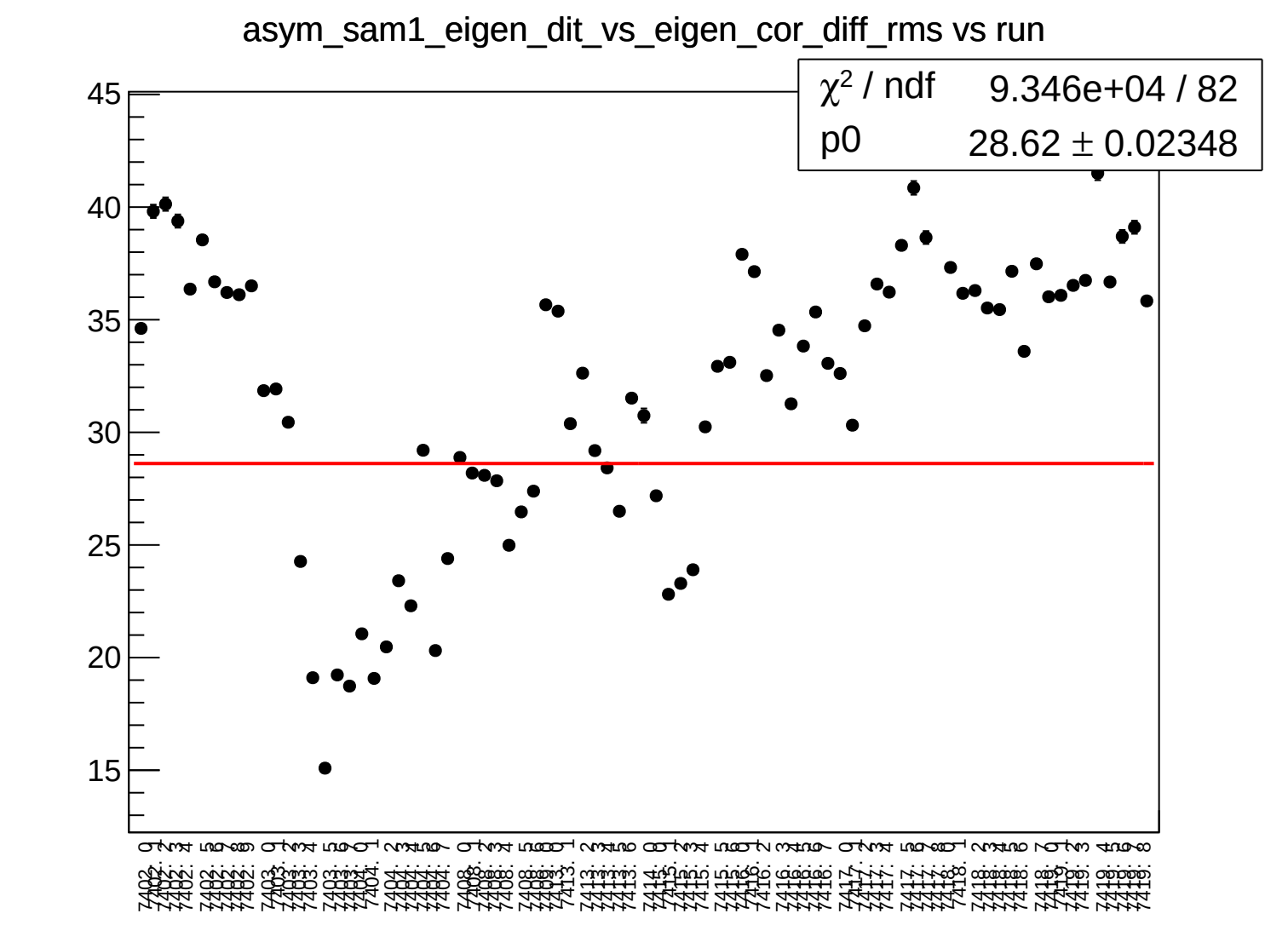

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.65 / 82
p0 −0.01199 ± 0.03321
pull
Entries 83
Mean 82.17
Std Dev 0

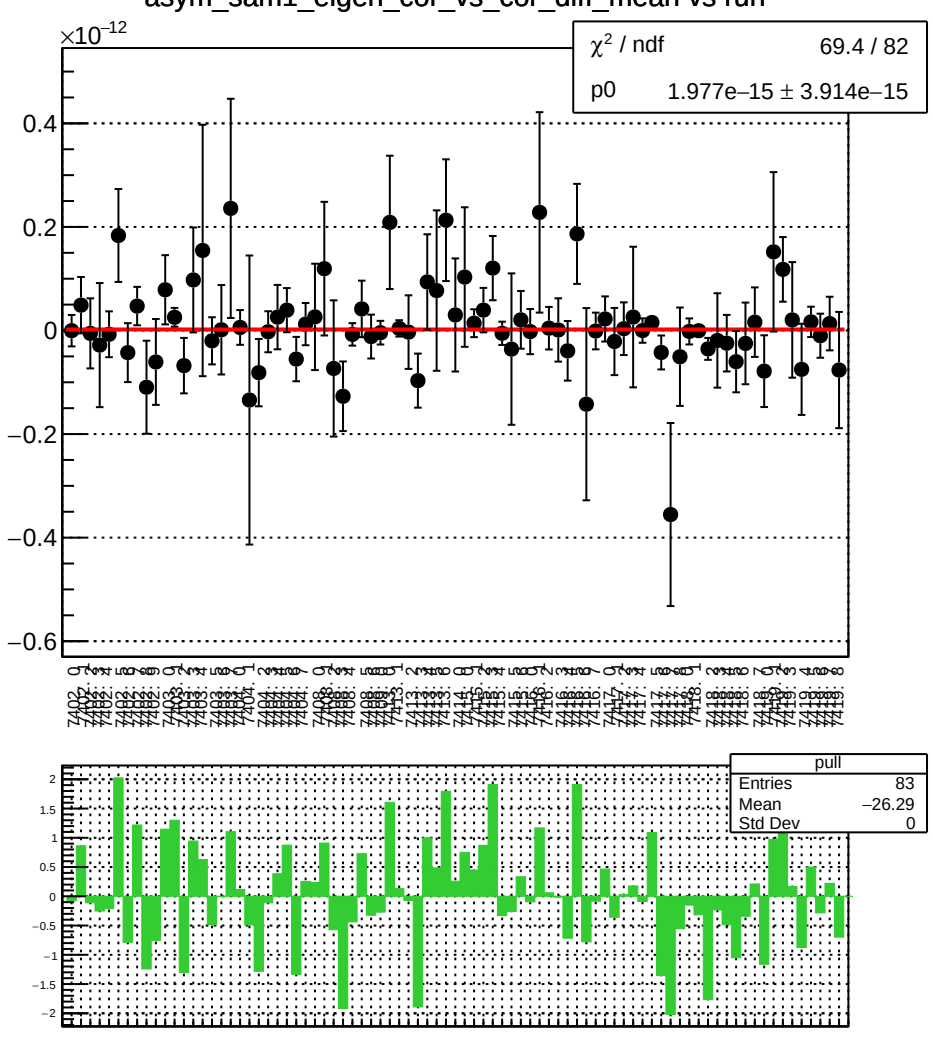

pull1D
Entries 83
Mean −0.05343
Std Dev 0.9405

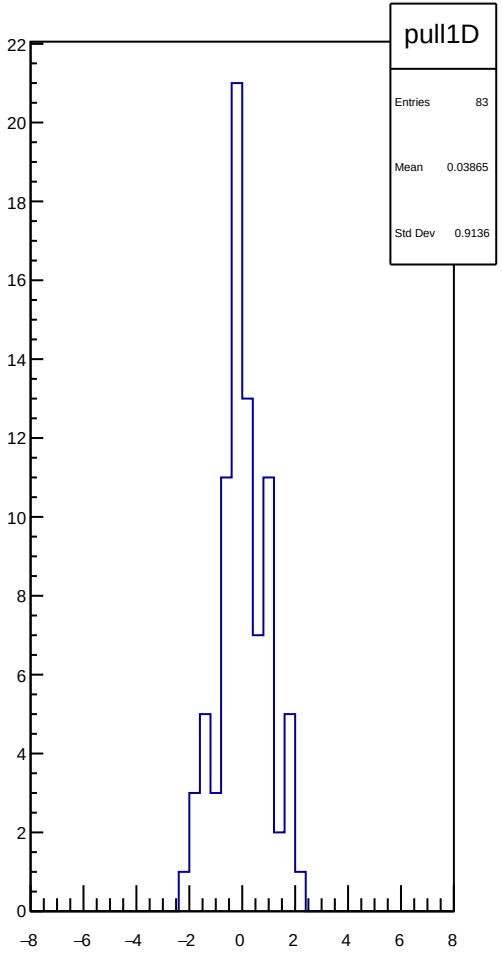

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.346e+04 / 82
p0 28.62 ± 0.02348
45
40
35
30
25
20
15

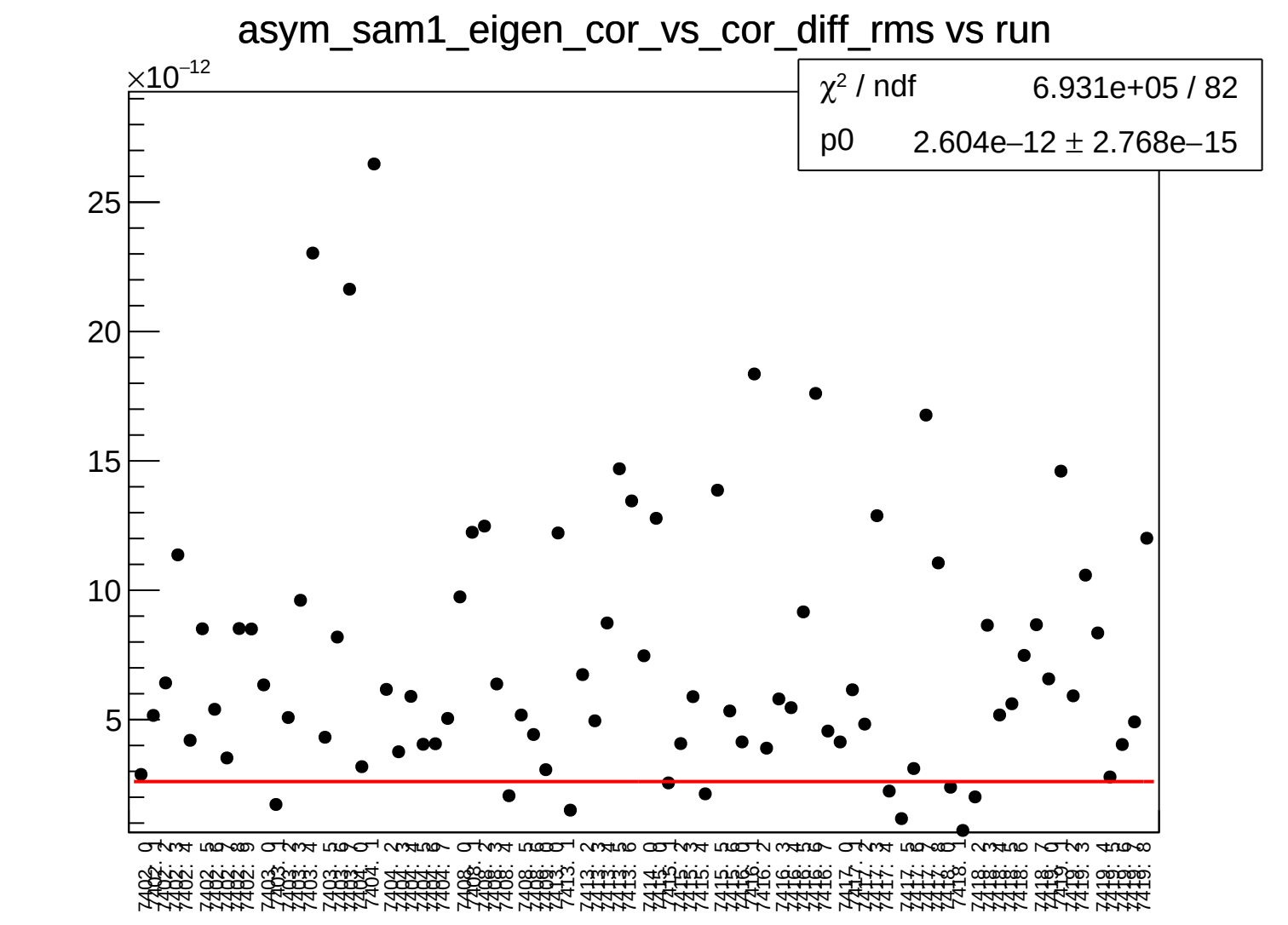

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.65 / 82
p0 −0.01199 ± 0.03321
pull
Entries 83
Mean 82.17
Std Dev 0

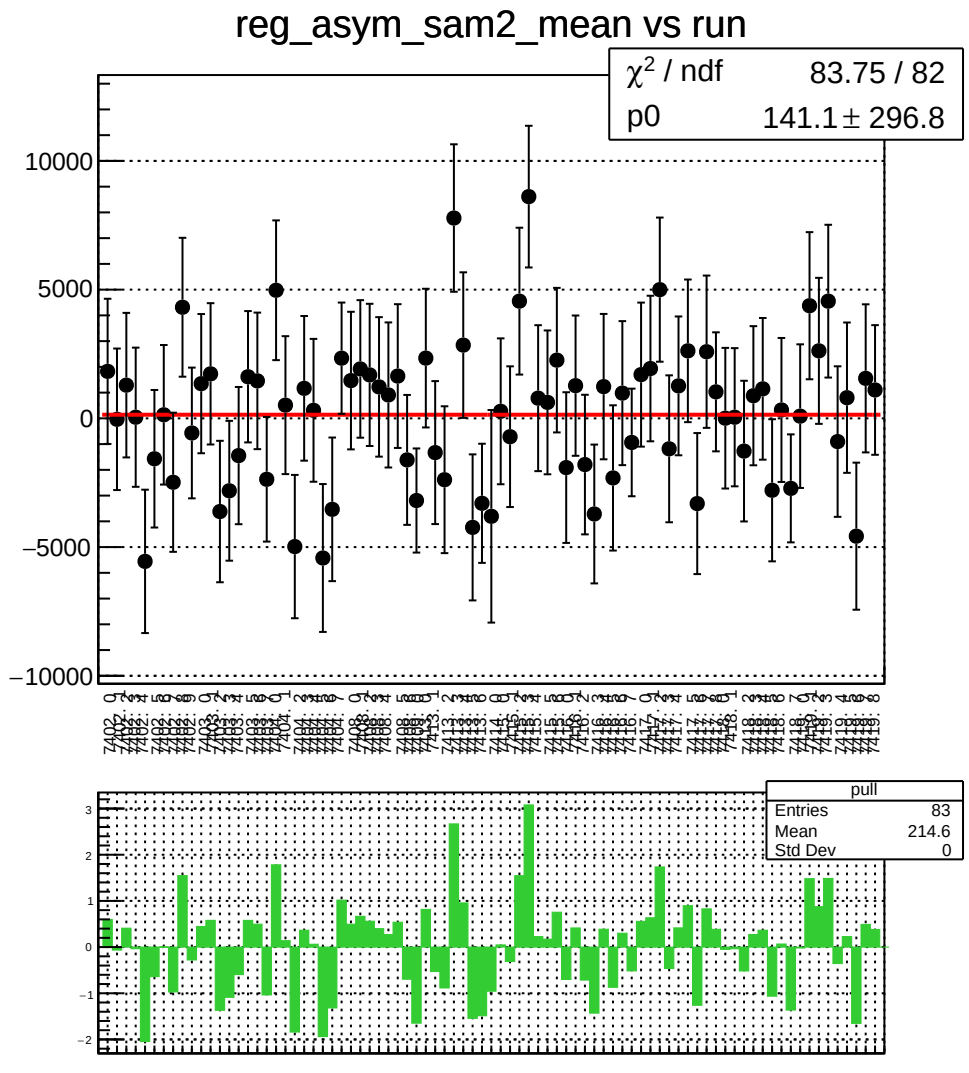

pull1D
Entries 83
Mean −0.05343
Std Dev 0.9405

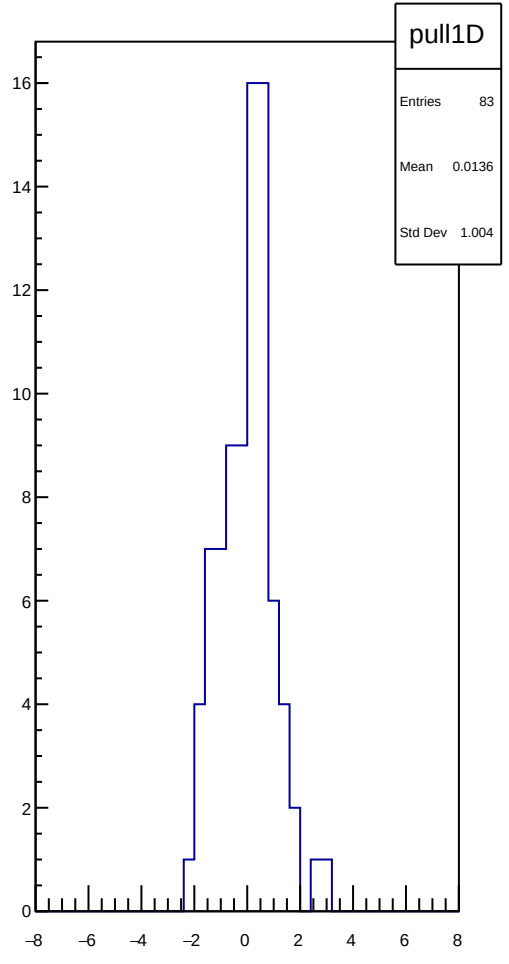

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.346e+04 / 82
p0 28.62 ± 0.02348
45
40
35
30
25
20
15

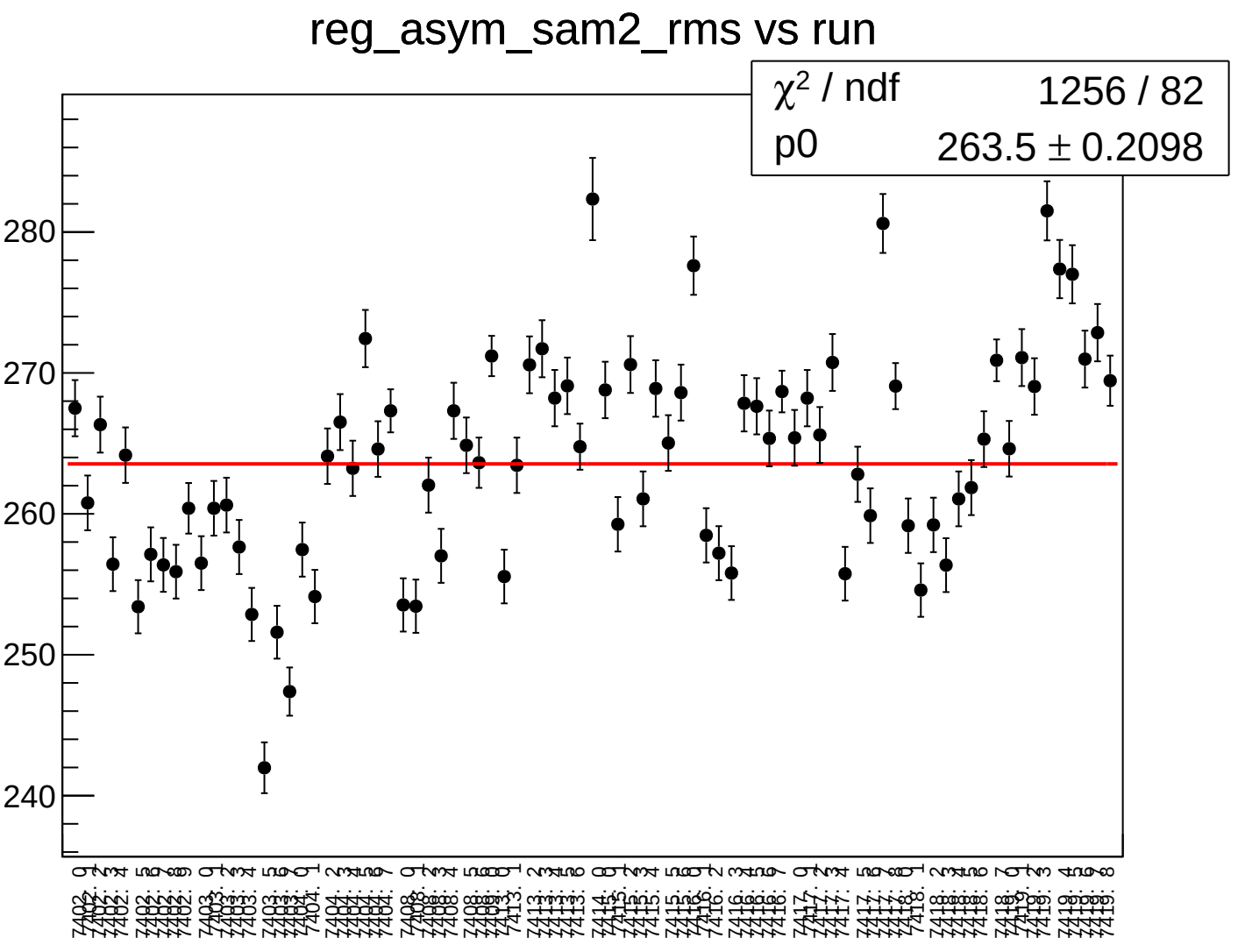

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.4 / 82
p0 1.977e−15 ± 3.914e−15
pull
Entries 83
Mean −26.29
Std Dev 0

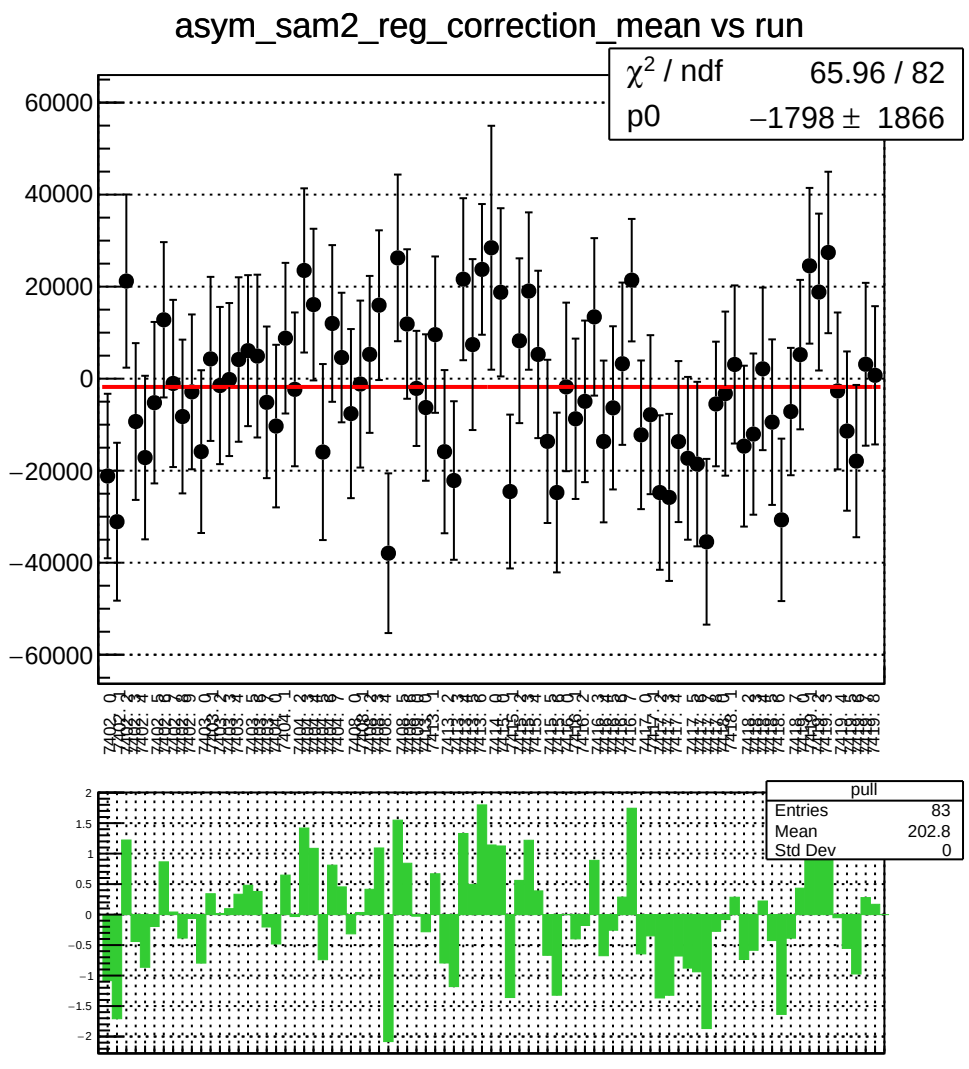

pull1D
Entries 83
Mean 0.03865
Std Dev 0.9136

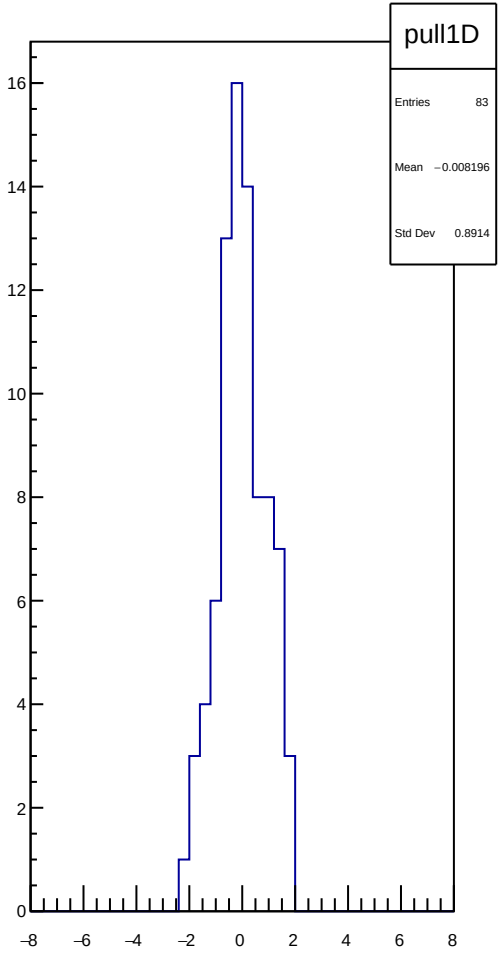

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 6.931e+05 / 82
p0 2.604e−12 ± 2.768e−15
25
20
15
10
5

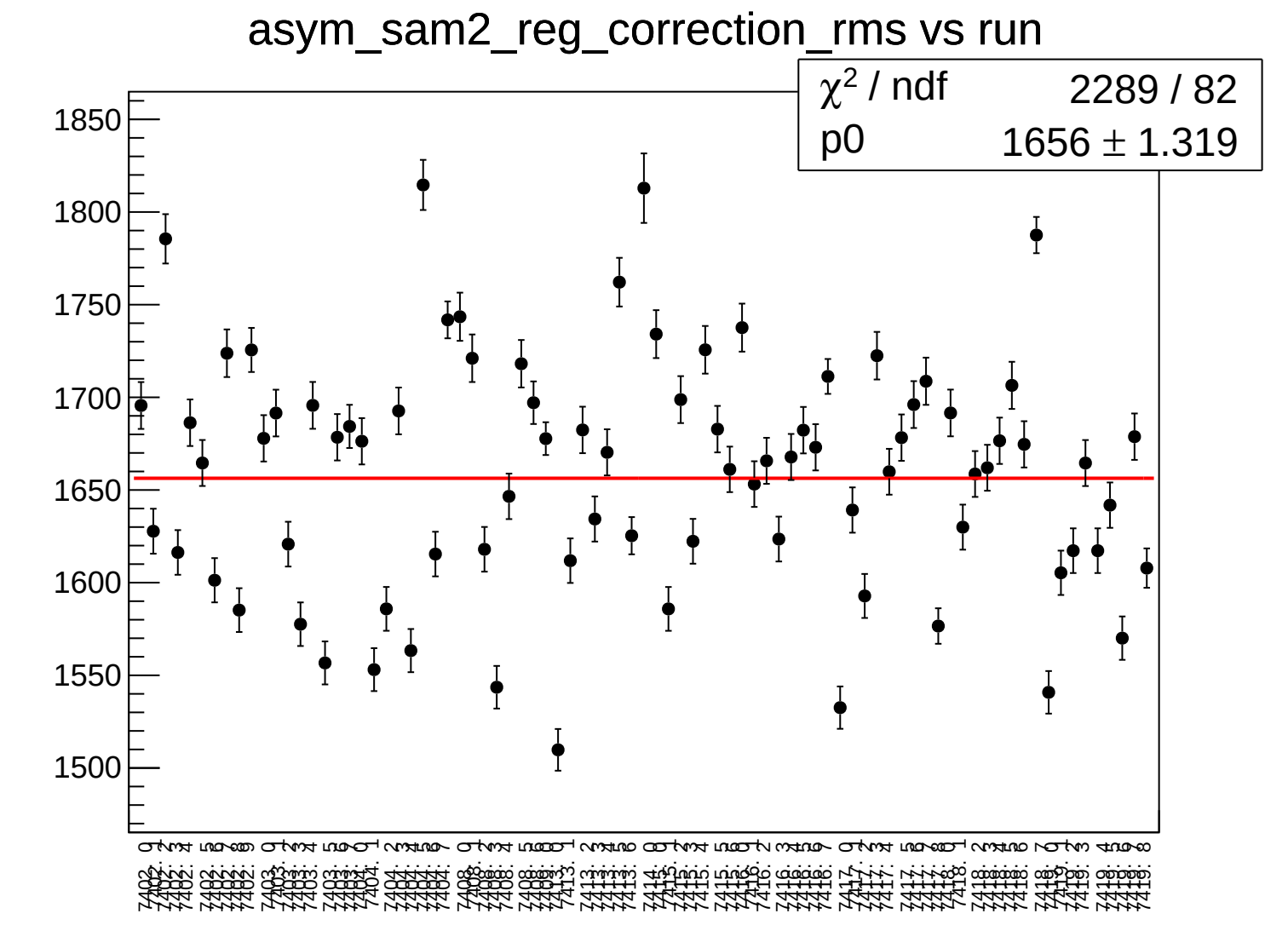

reg_asym_sam2_mean vs run
χ² / ndf 83.75 / 82
p0 141.1 ± 296.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 214.6
Std Dev 0
3
2
1
0
−1
−2

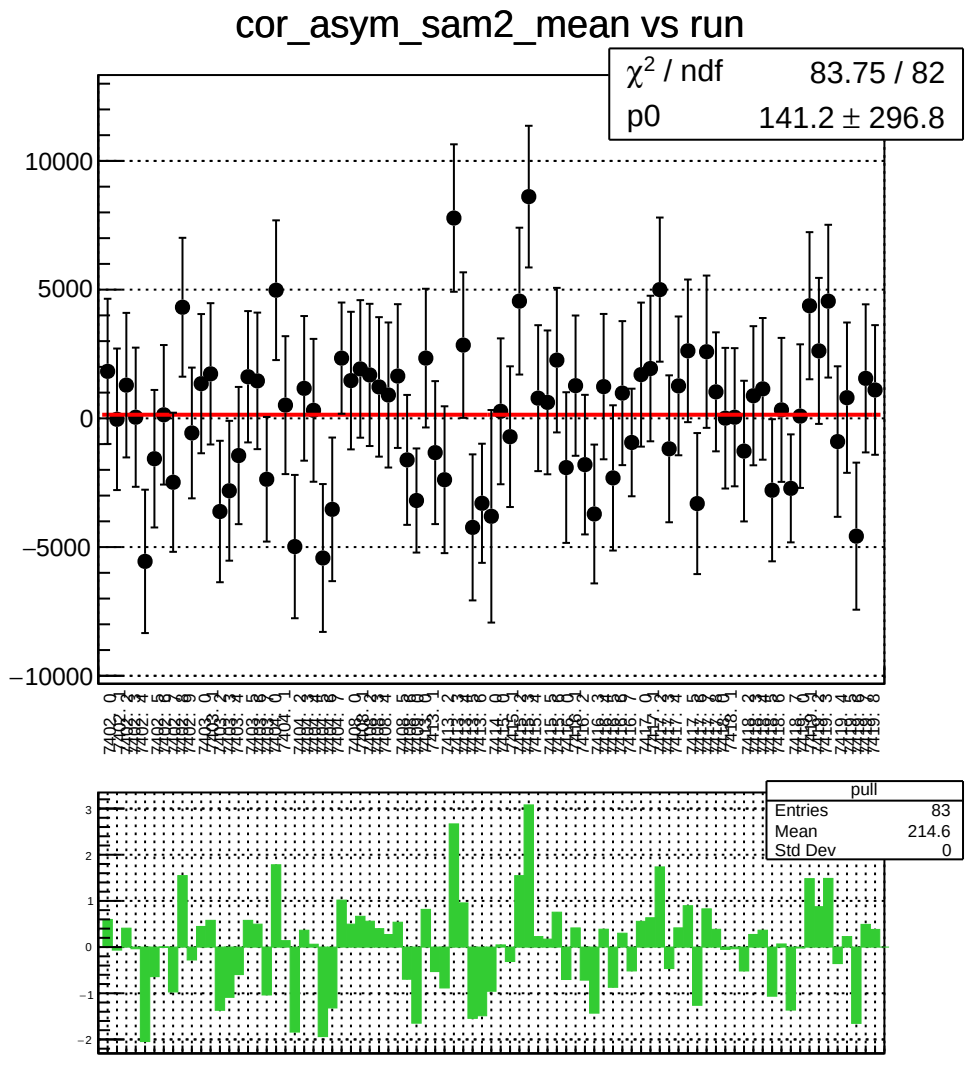

pull1D
Entries 83
Mean 0.0136
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

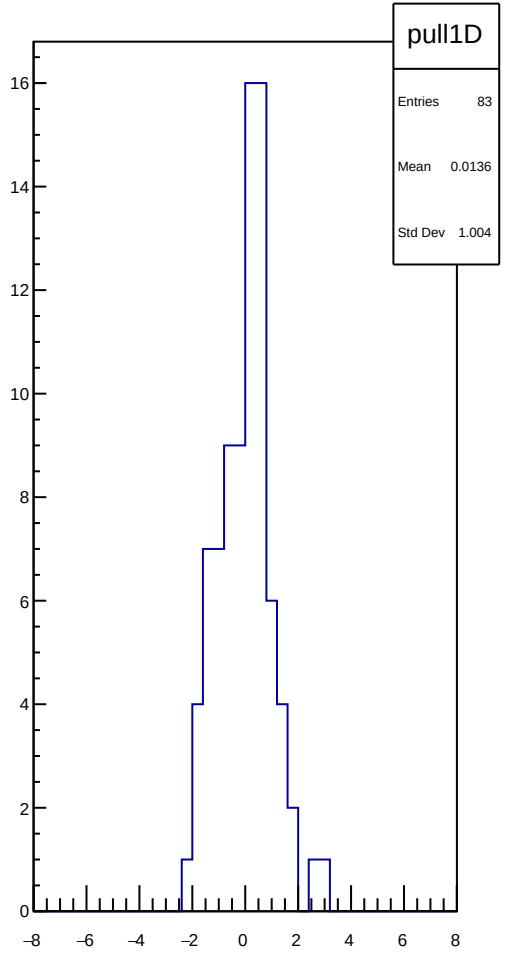

reg_asym_sam2_rms vs run
χ² / ndf 1256 / 82
p0 263.5 ± 0.2098
280
270
260
250
240

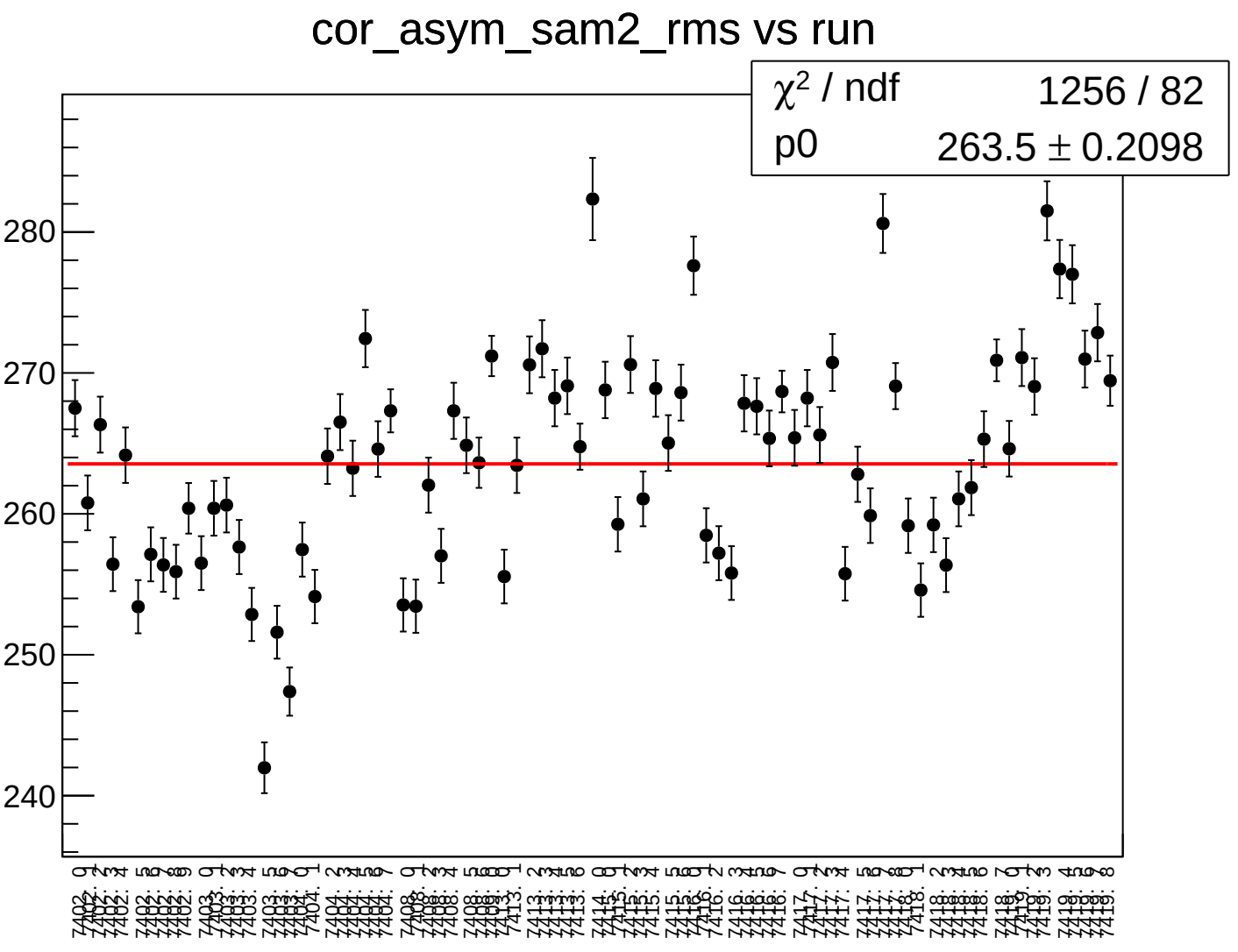

asym_sam2_reg_correction_mean vs run
χ² / ndf 65.96 / 82
p0 −1798 ± 1866
pull
Entries 83
Mean 202.8
Std Dev 0

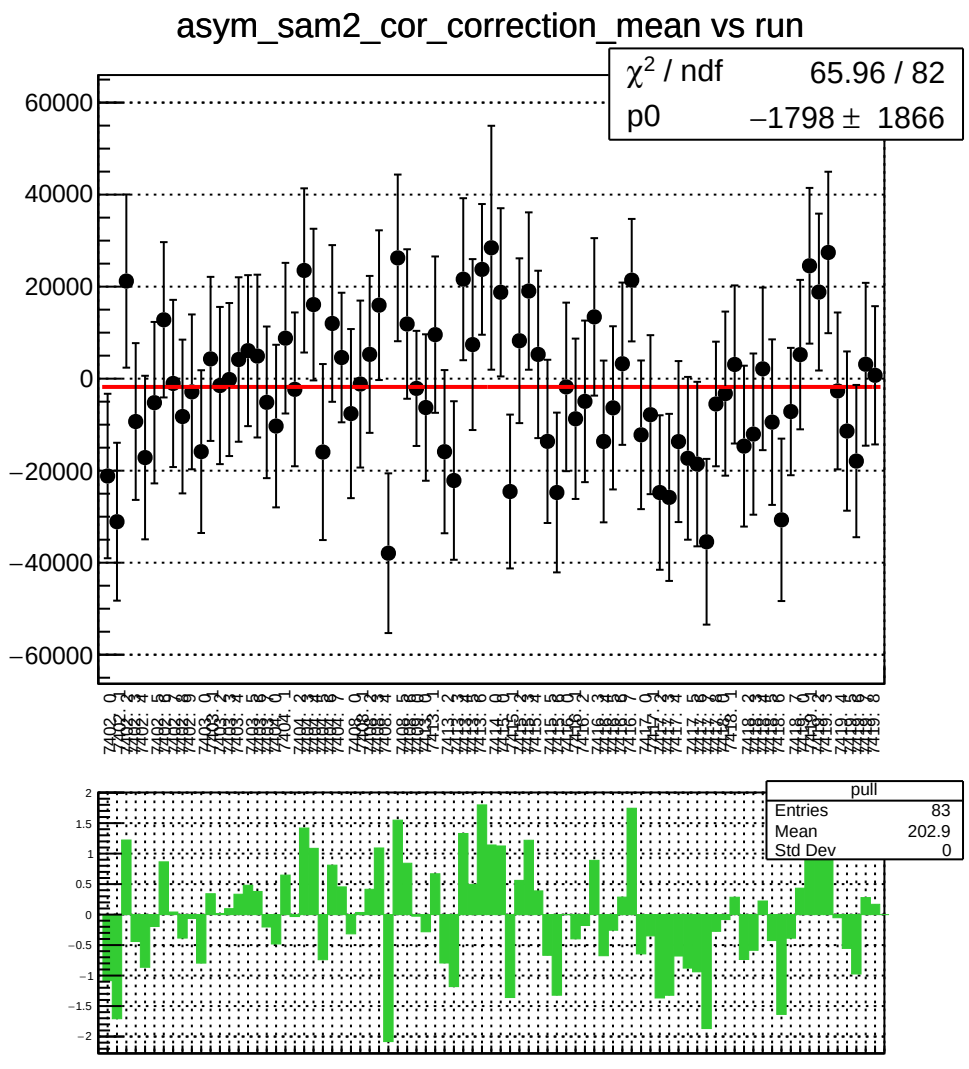

pull1D
Entries 83
Mean −0.008196
Std Dev 0.8914

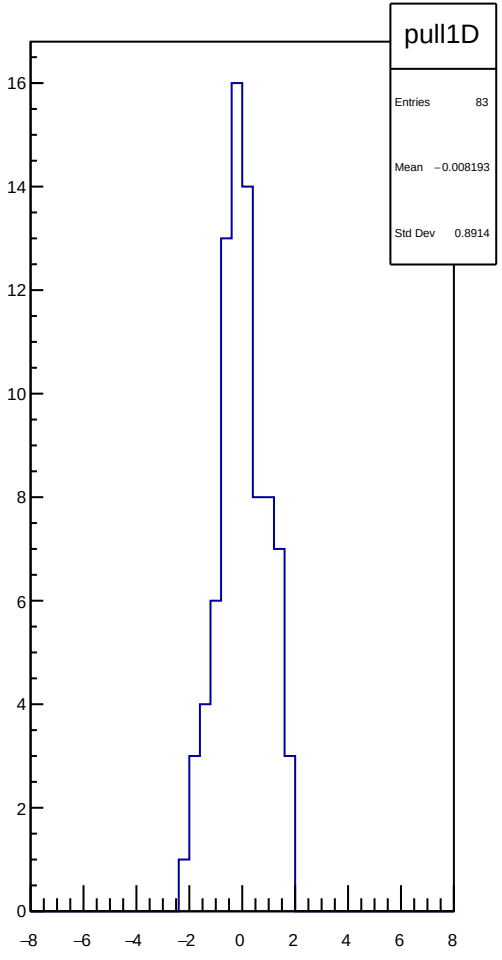

asym_sam2_reg_correction_rms vs run
χ² / ndf 2289 / 82
p0 1656 ± 1.319
1850
1800
1750
1700
1650
1600
1550
1500

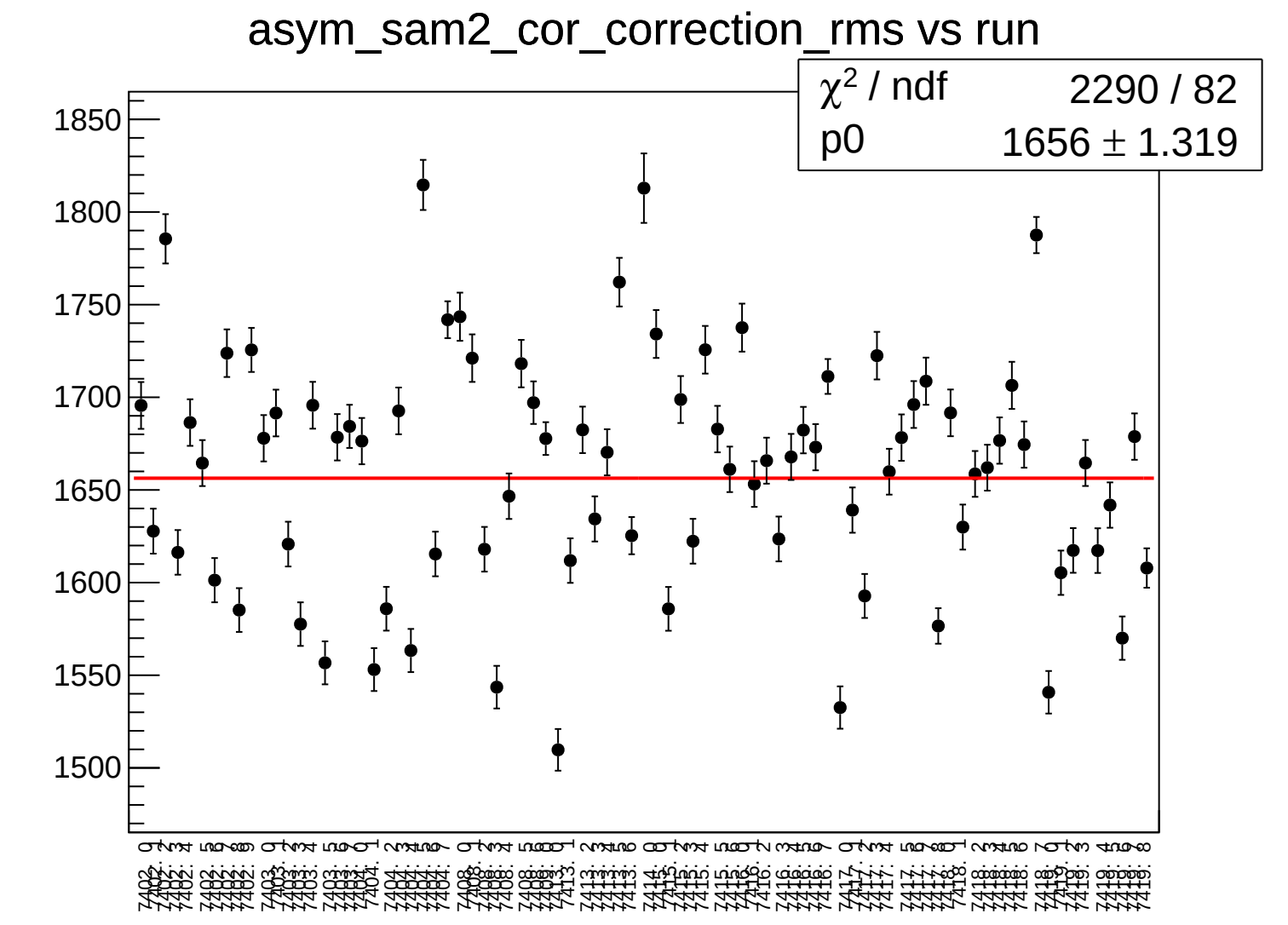

cor_asym_sam2_mean vs run
χ^2 / ndf 83.75 / 82
p0 141.2 ± 296.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 214.6
Std Dev 0
3
2
1
0
−1
−2

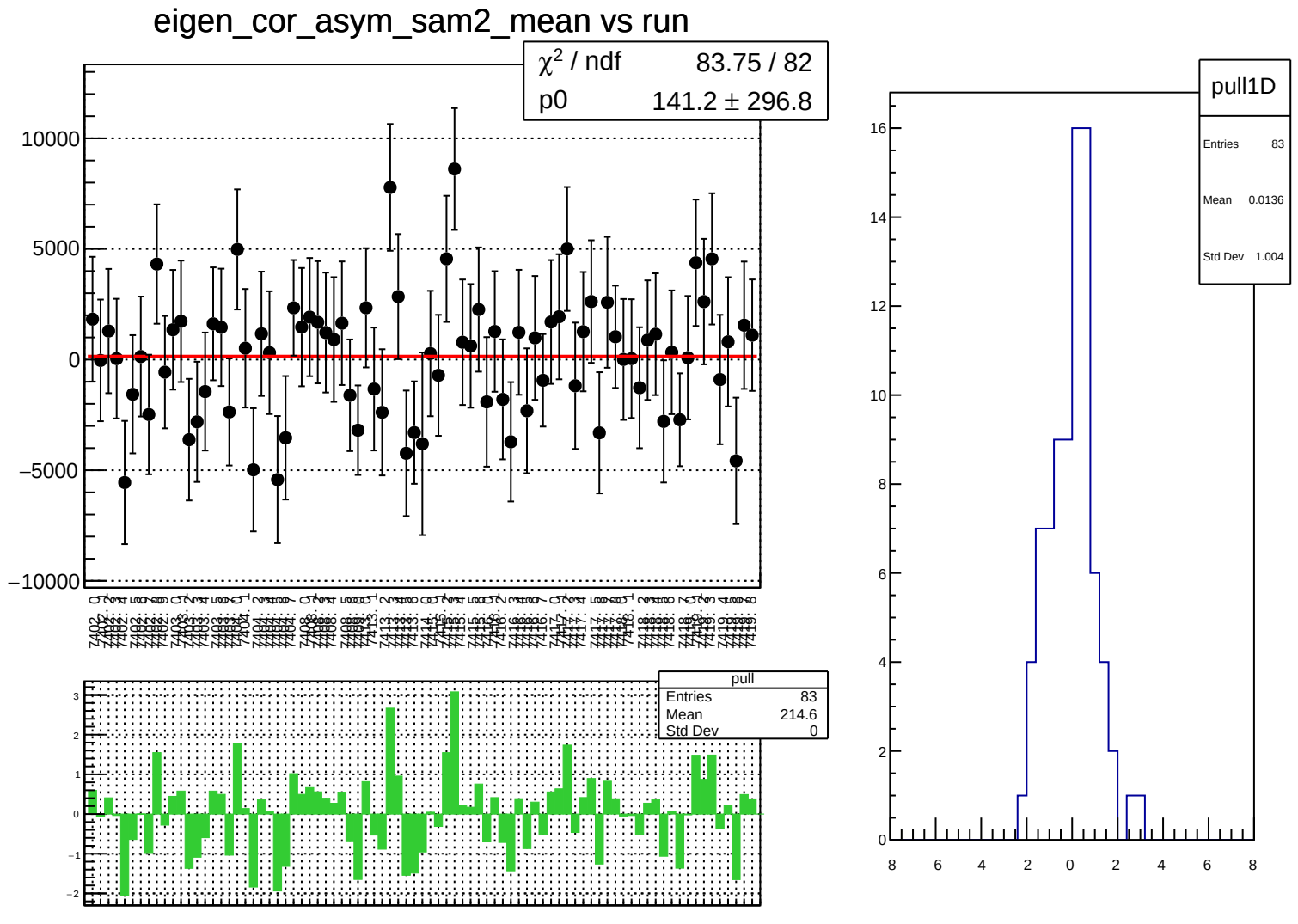

pull1D
Entries 83
Mean 0.0136
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

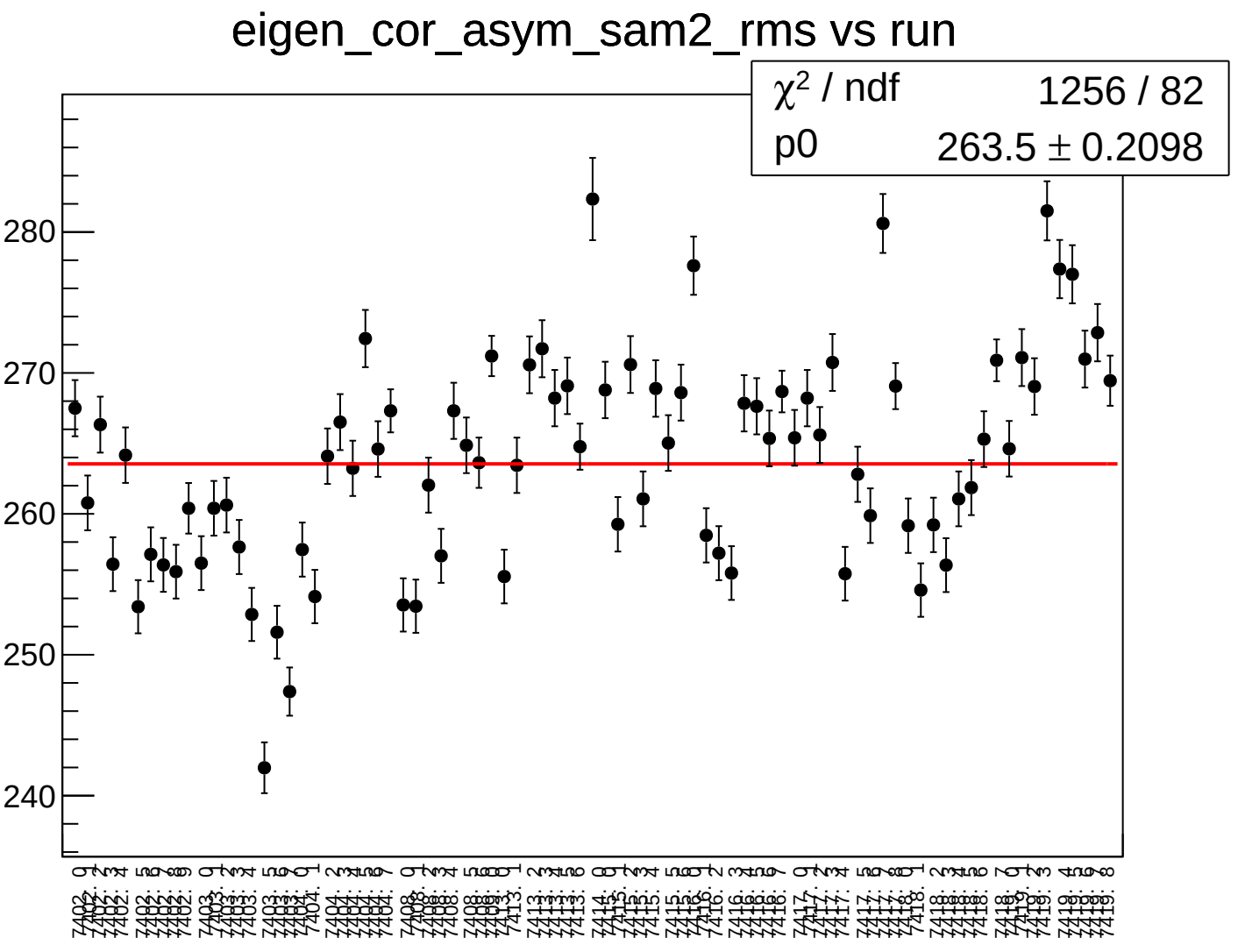

cor_asym_sam2_rms vs run
χ² / ndf 1256 / 82
p0 263.5 ± 0.2098
280
270
260
250
240

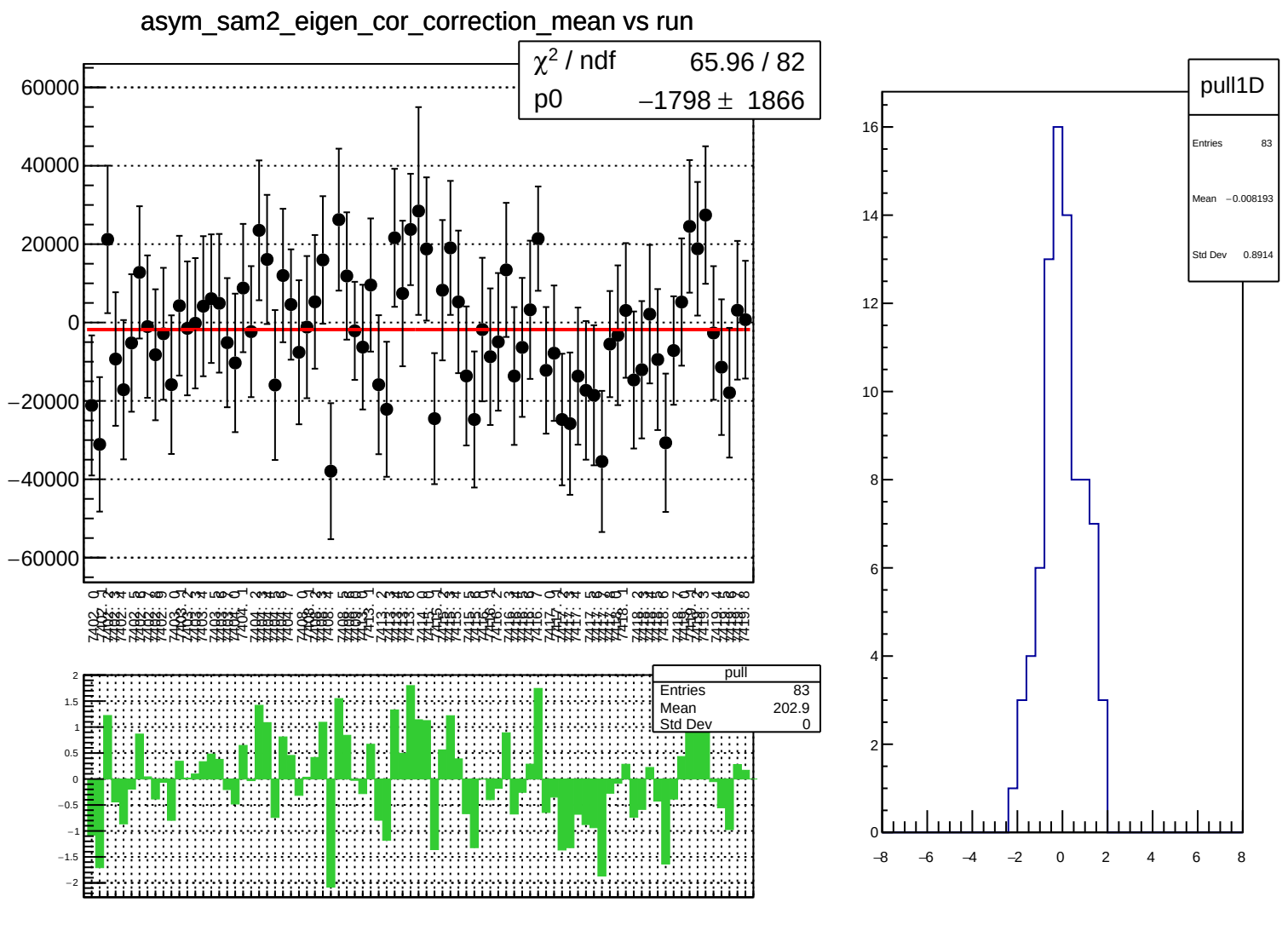

asym_sam2_cor_correction_mean vs run
χ² / ndf 65.96 / 82
p0 −1798 ± 1866
pull
Entries 83
Mean 202.9
Std Dev 0

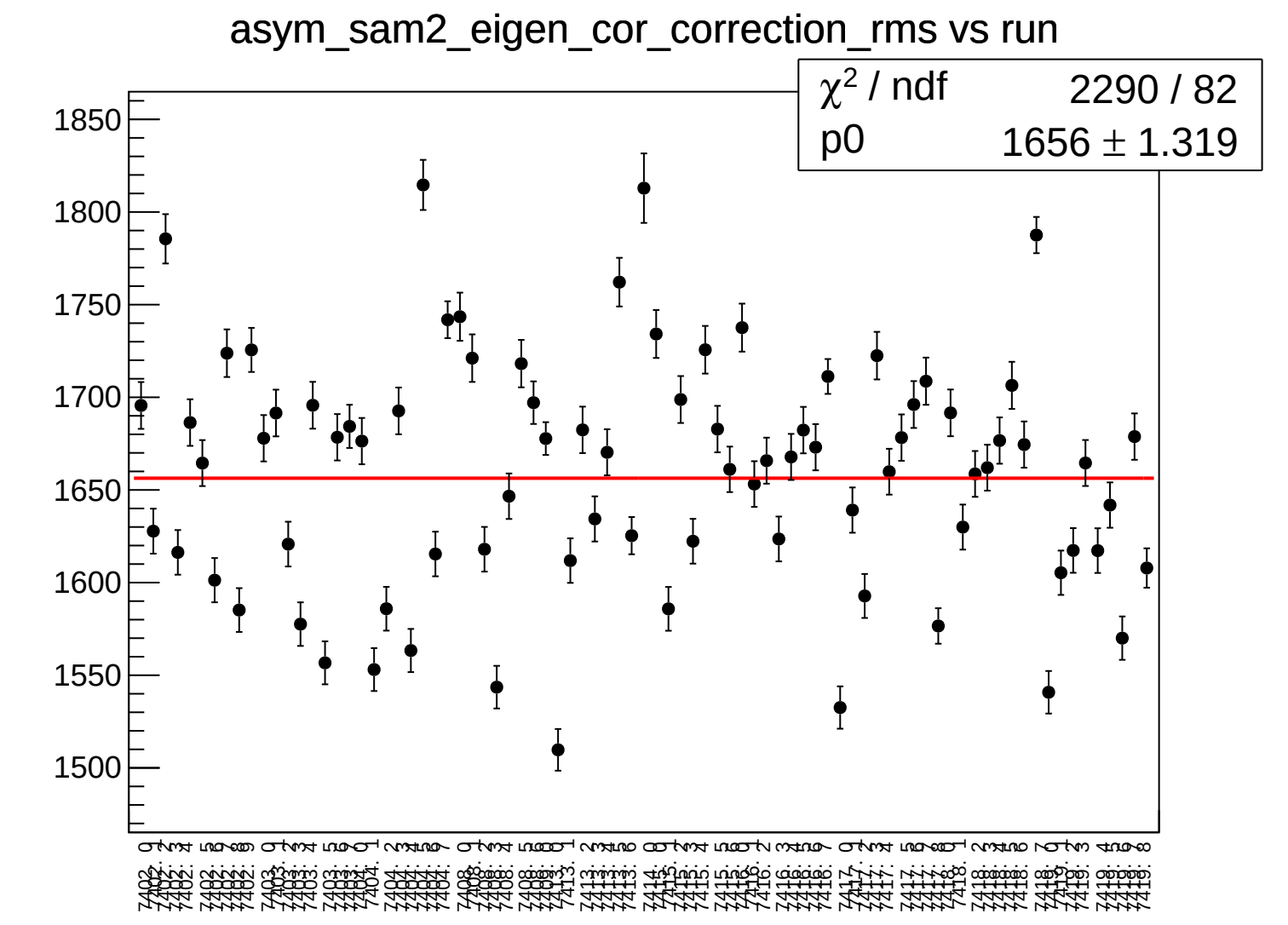

pull1D
Entries 83
Mean −0.008193
Std Dev 0.8914

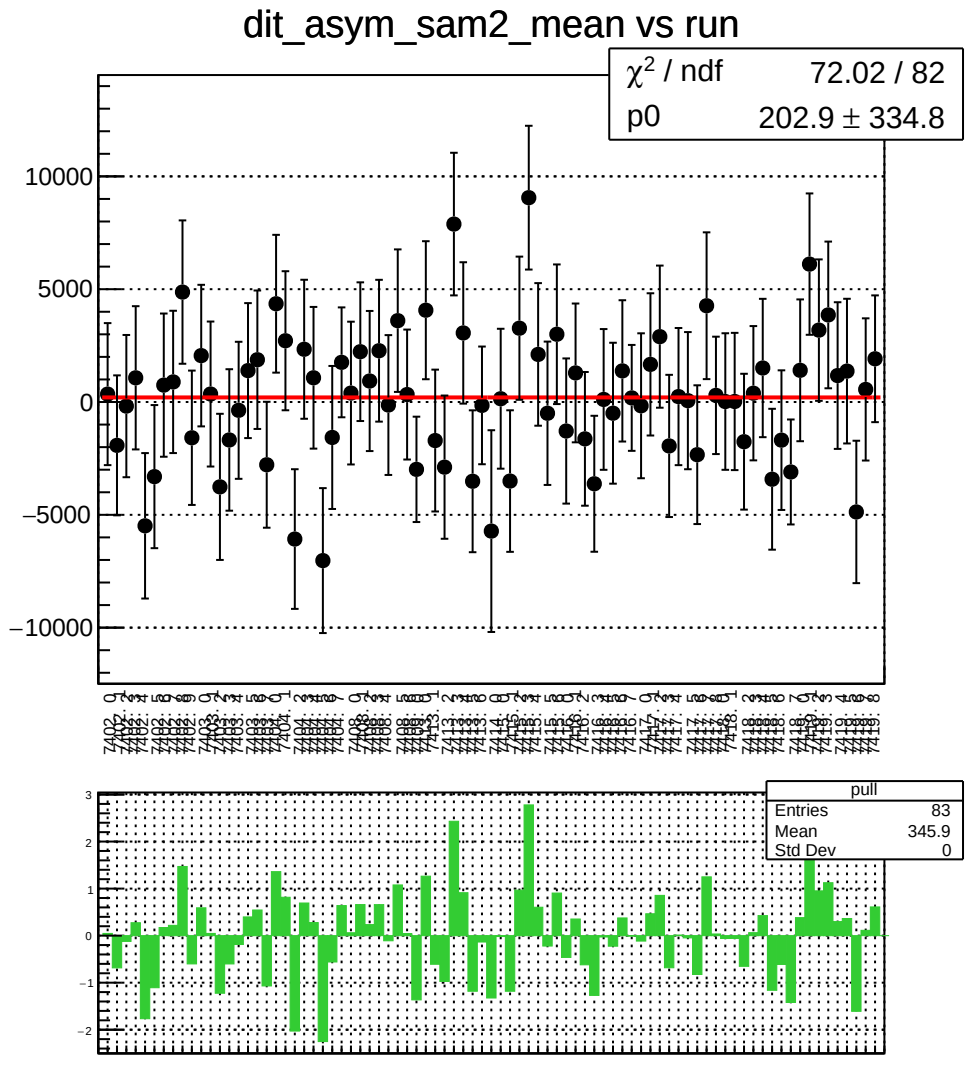

asym_sam2_cor_correction_rms vs run
χ² / ndf 2290 / 82
p0 1656 ± 1.319
1850
1800
1750
1700
1650
1600
1550
1500

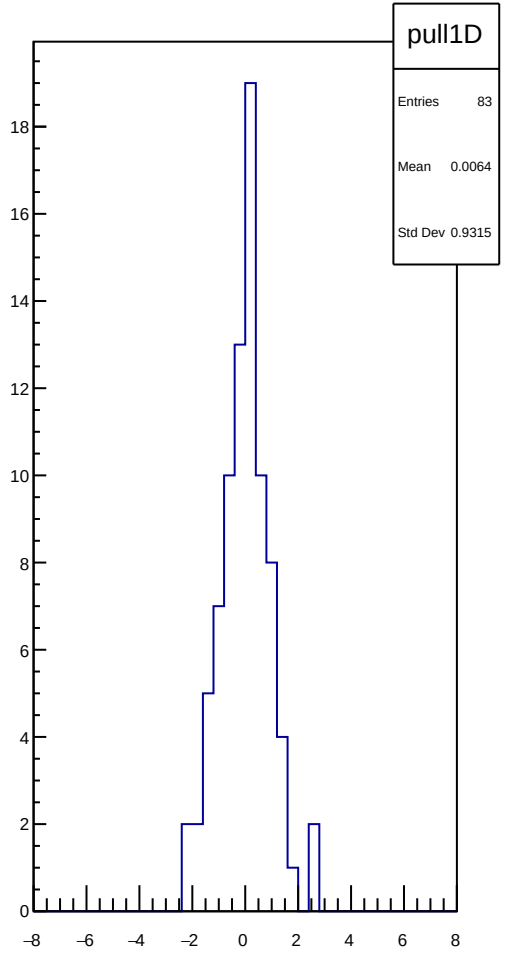

eigen_cor_asym_sam2_mean vs run
χ² / ndf 83.75 / 82
p0 141.2 ± 296.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 214.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.0136
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

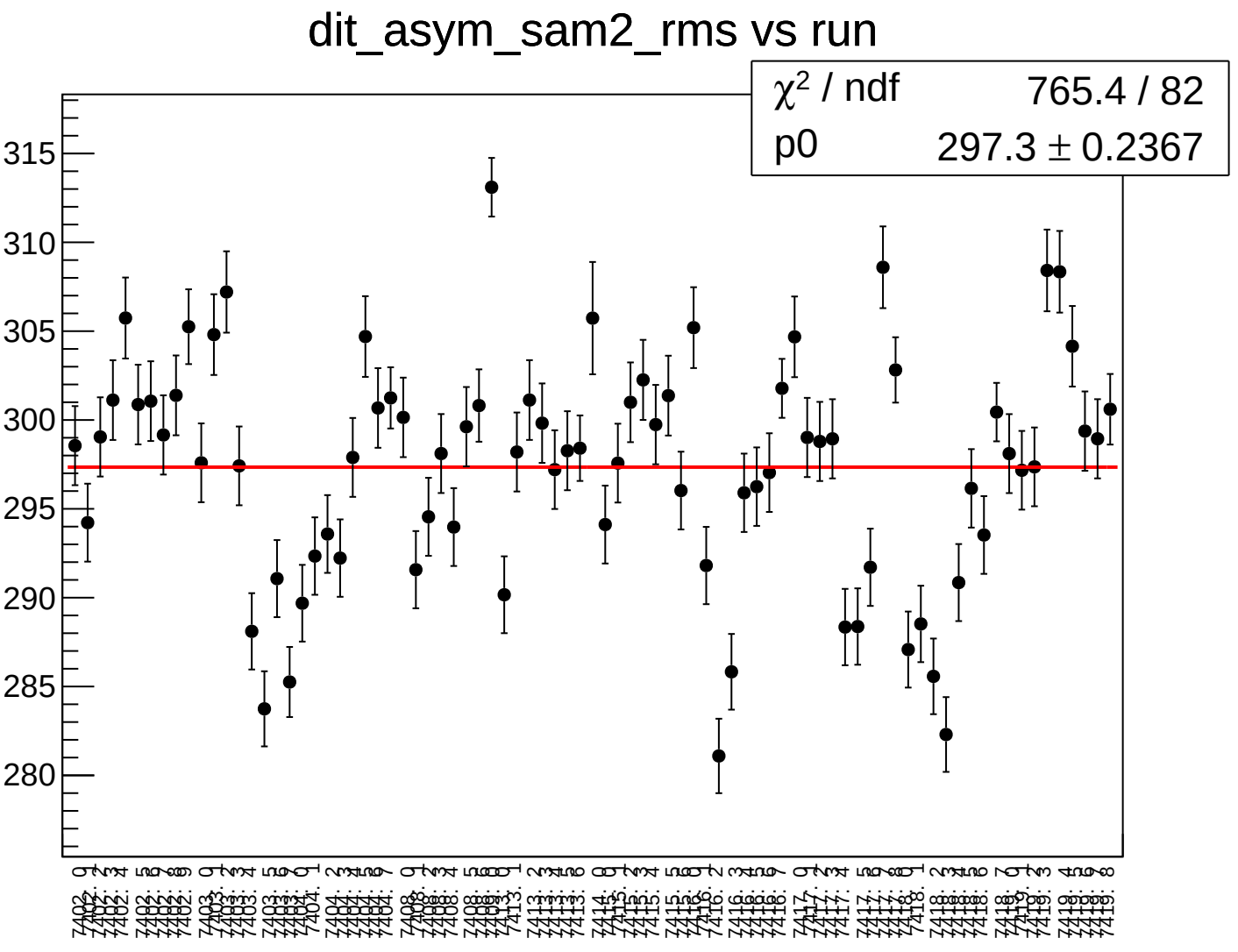

eigen_cor_asym_sam2_rms vs run
χ² / ndf 1256 / 82
p0 263.5 ± 0.2098
280
270
260
250
240

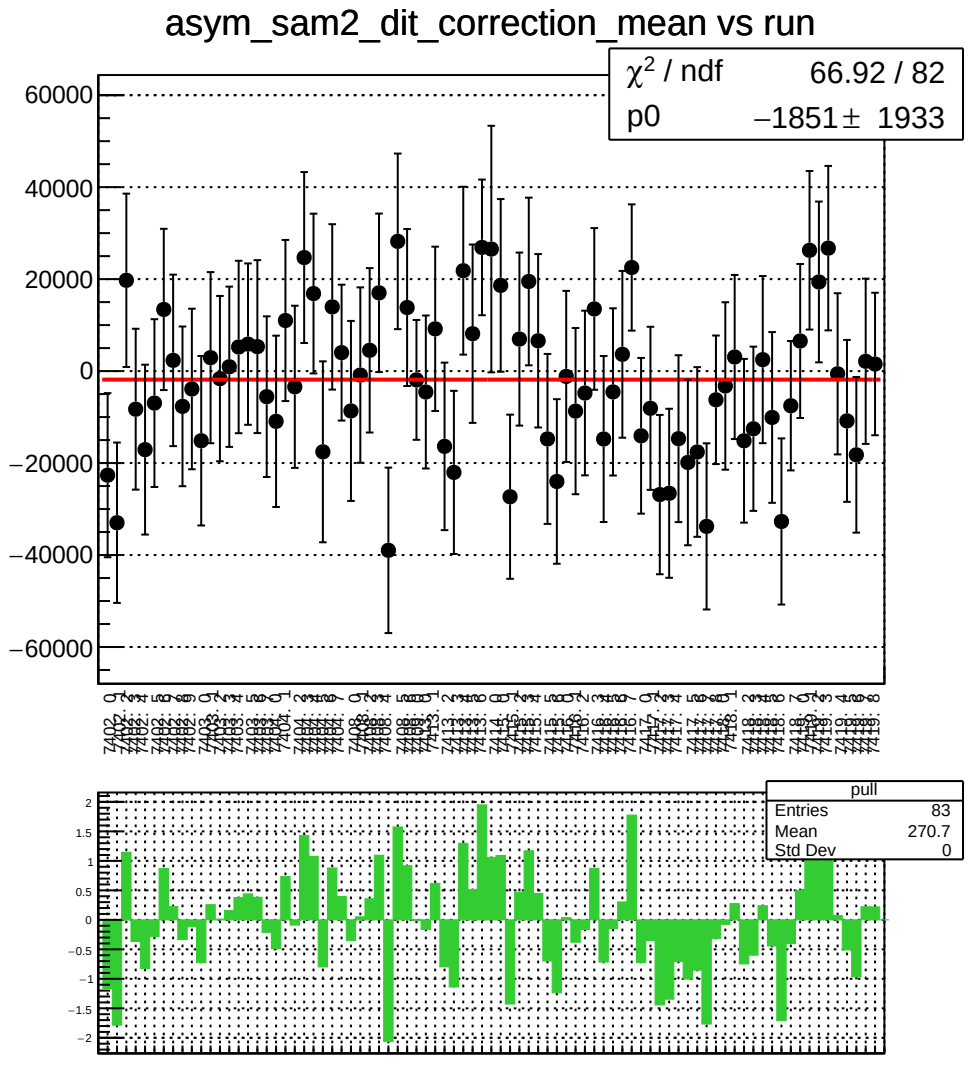

asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 65.96 / 82
p0 −1798 ± 1866
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 202.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.008193
Std Dev 0.8914
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

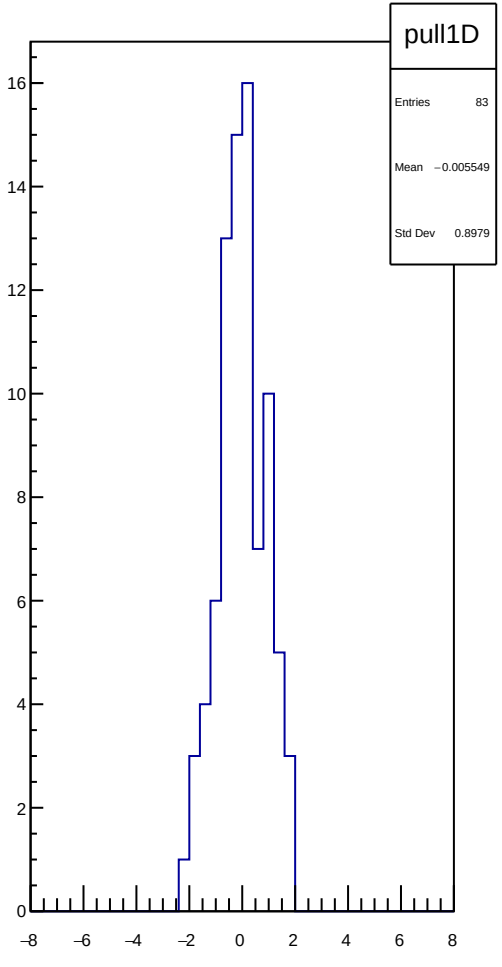

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 2290 / 82
p0 1656 ± 1.319
1850
1800
1750
1700
1650
1600
1550
1500

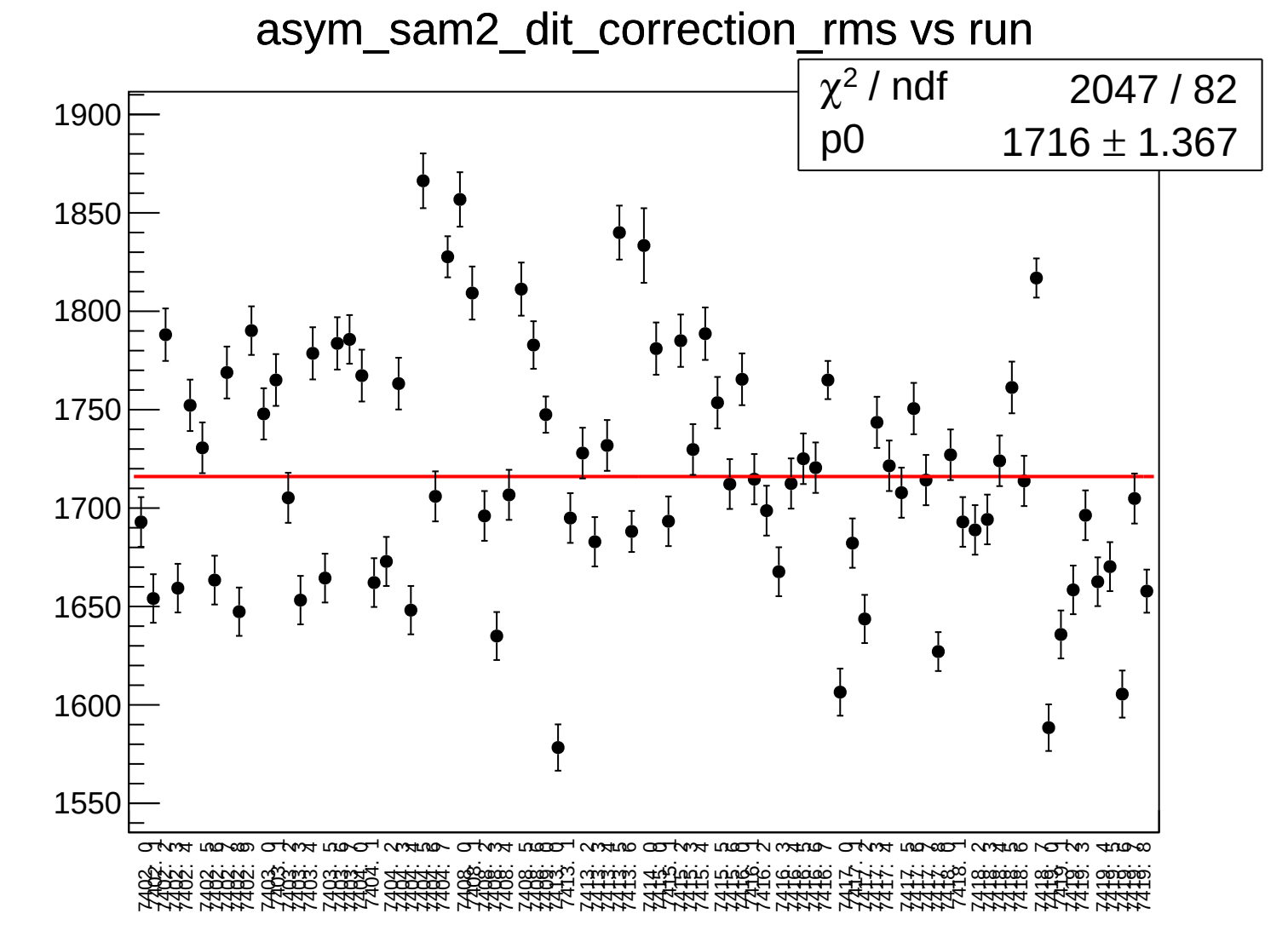

dit_asym_sam2_mean vs run
χ^2 / ndf 72.02 / 82
p0 202.9 ± 334.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 345.9
Std Dev 0
3
2
1
0
−1
−2

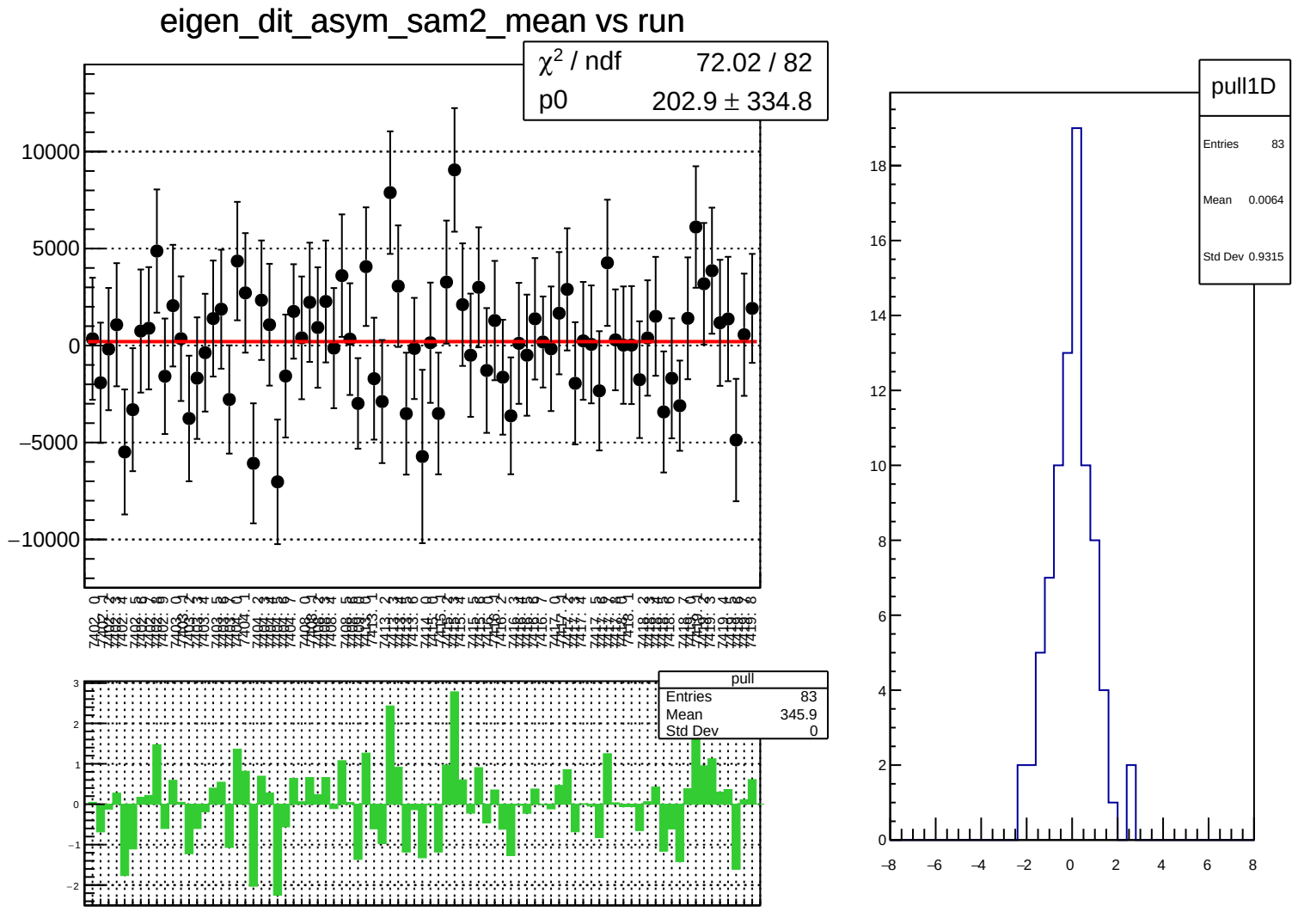

pull1D
Entries 83
Mean 0.0064
Std Dev 0.9315
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

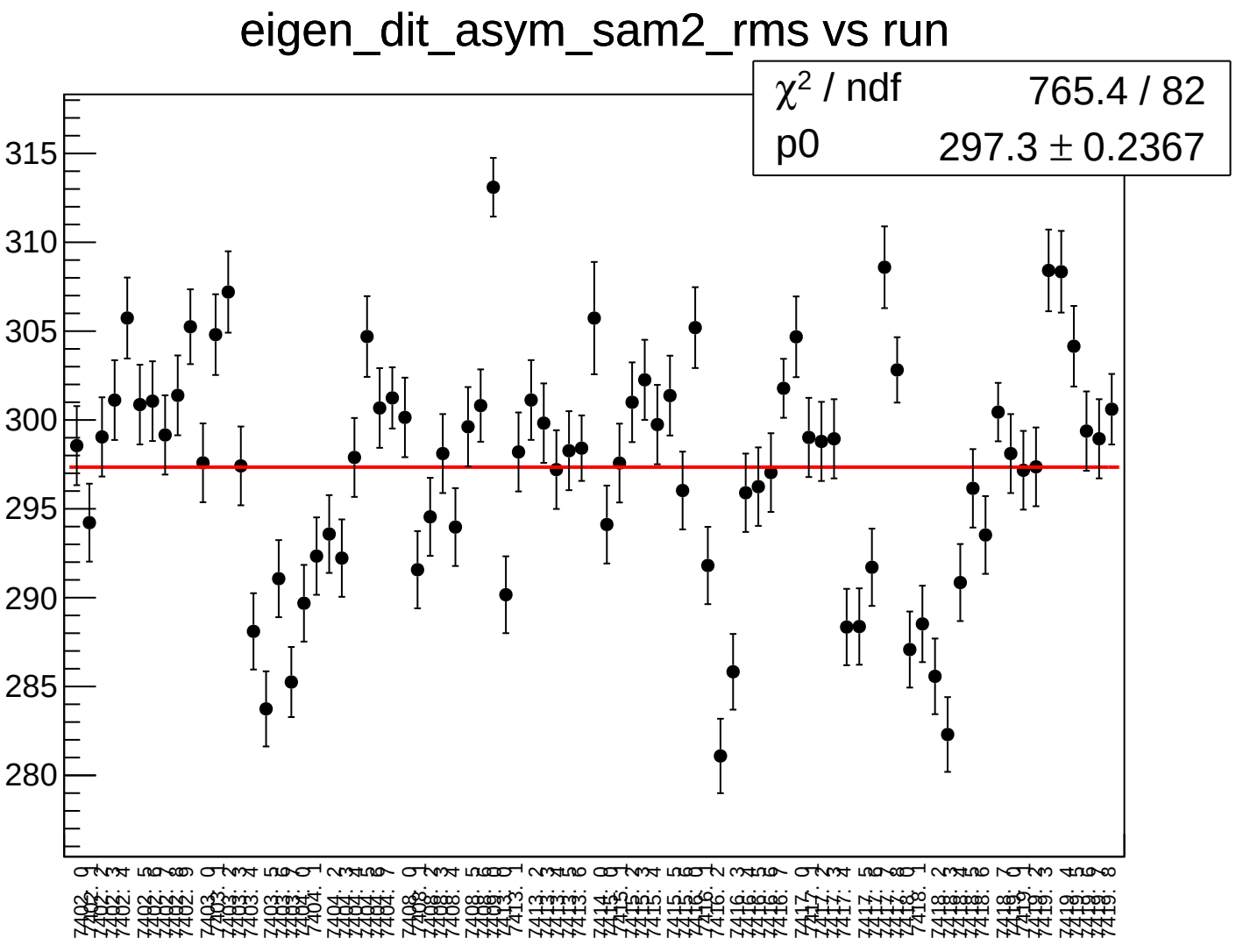

dit_asym_sam2_rms vs run
χ² / ndf 765.4 / 82
p0 297.3 ± 0.2367
315
310
305
300
295
290
285
280

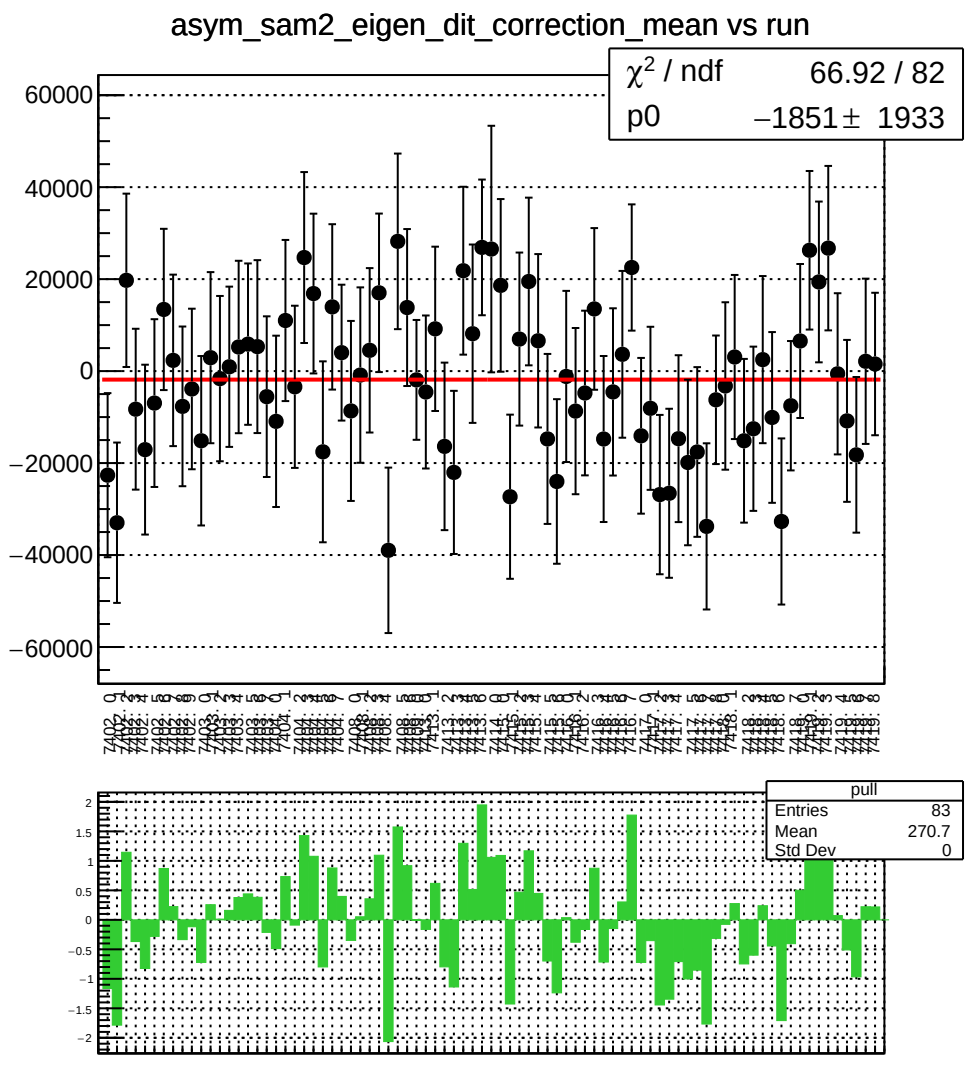

asym_sam2_dit_correction_mean vs run
χ² / ndf 66.92 / 82
p0 −1851 ± 1933
pull
Entries 83
Mean 270.7
Std Dev 0

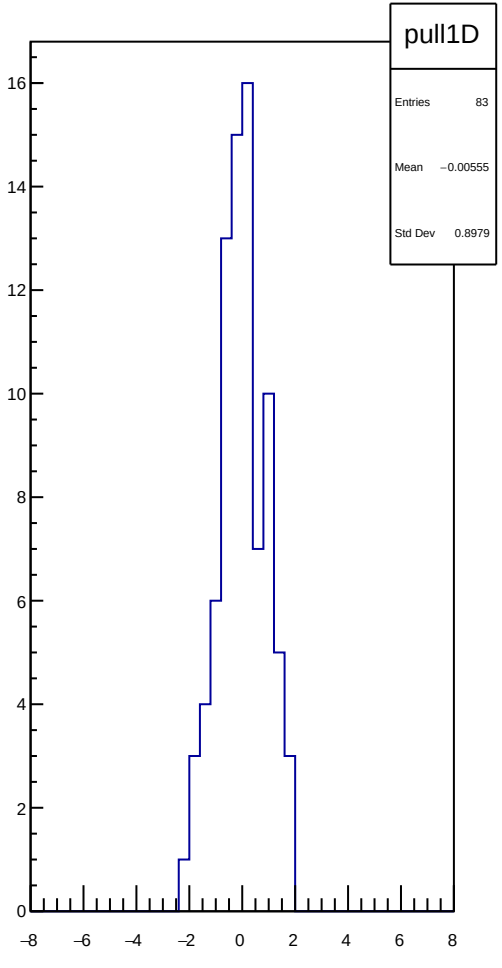

pull1D
Entries 83
Mean −0.005549
Std Dev 0.8979

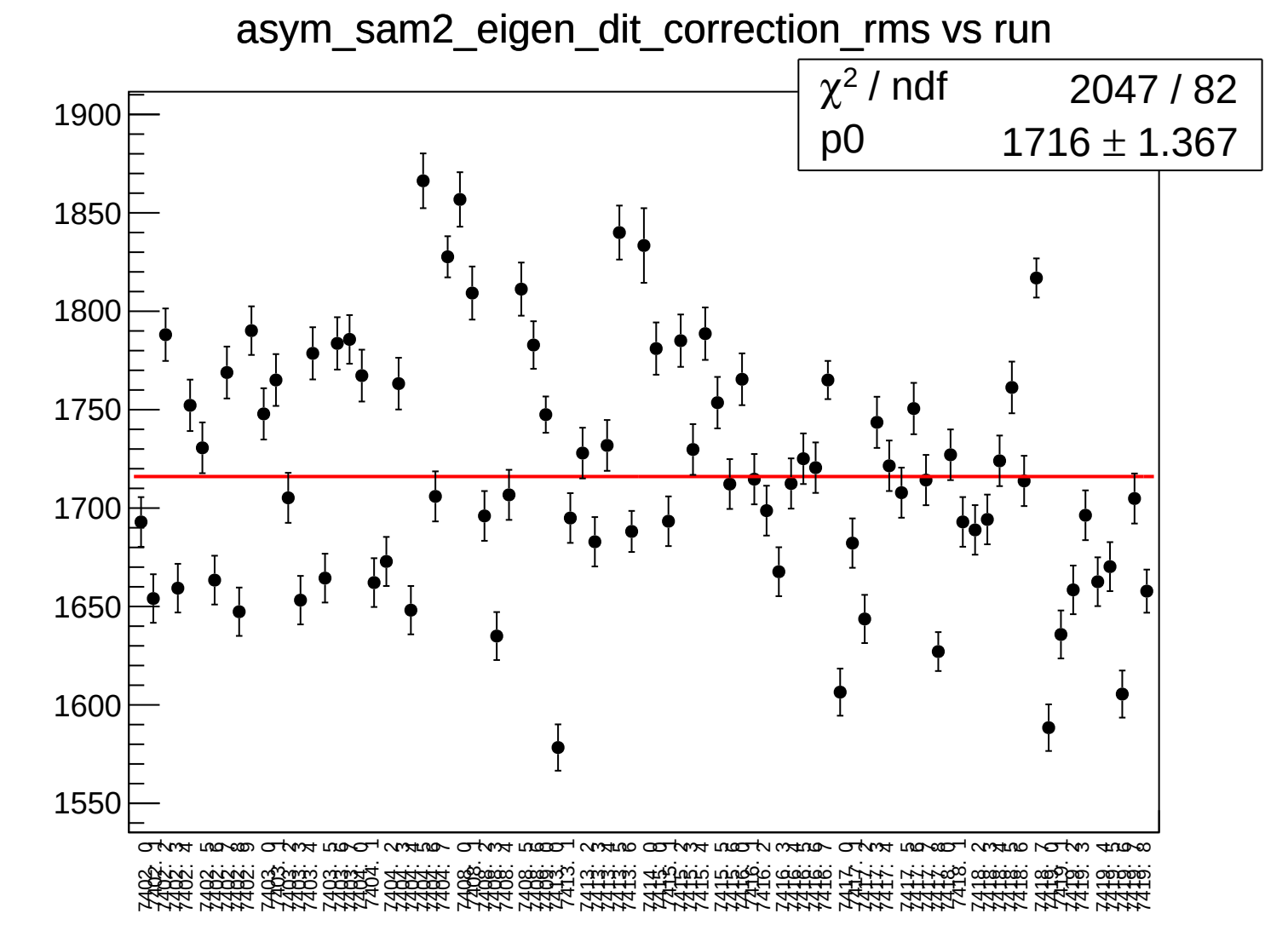

asym_sam2_dit_correction_rms vs run
χ² / ndf 2047 / 82
p0 1716 ± 1.367
1900
1850
1800
1750
1700
1650
1600
1550

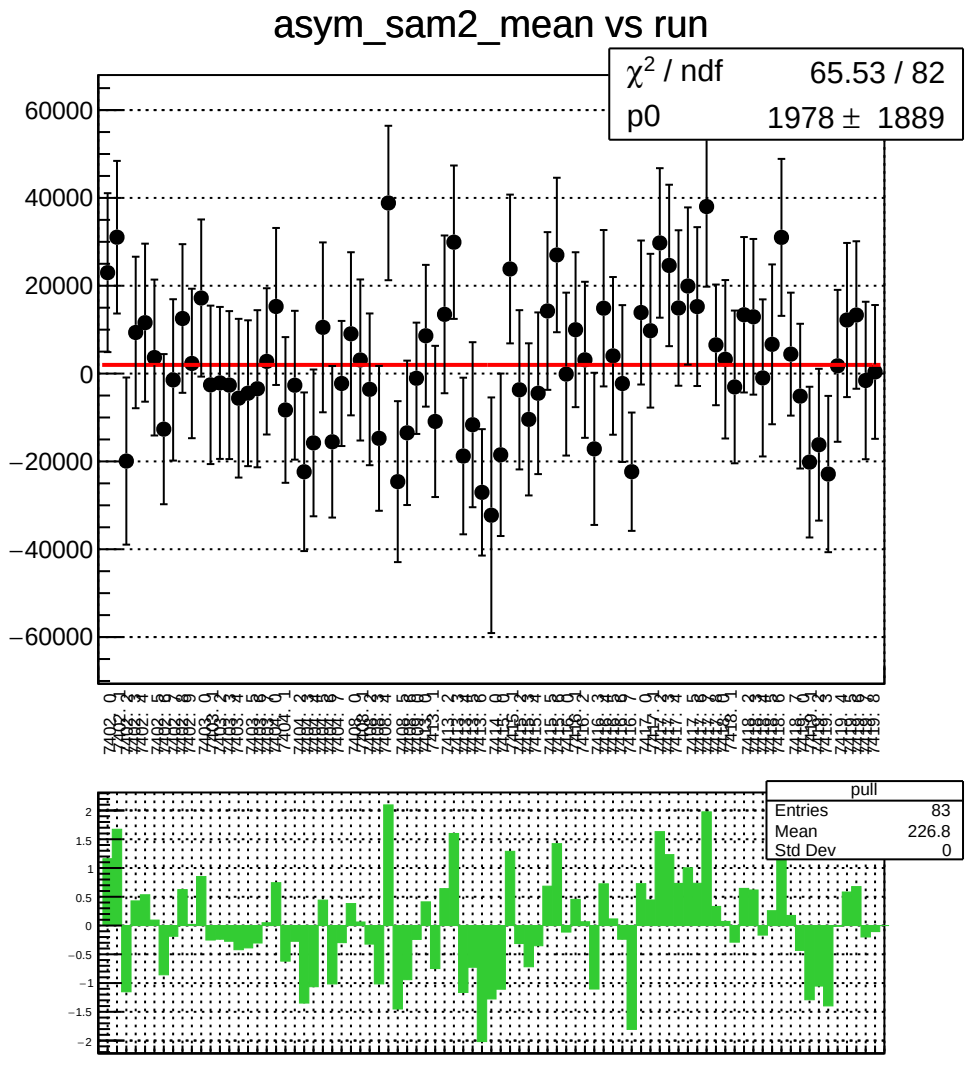

eigen_dit_asym_sam2_mean vs run
χ² / ndf 72.02 / 82
p0 202.9 ± 334.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 345.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.0064
Std Dev 0.9315
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

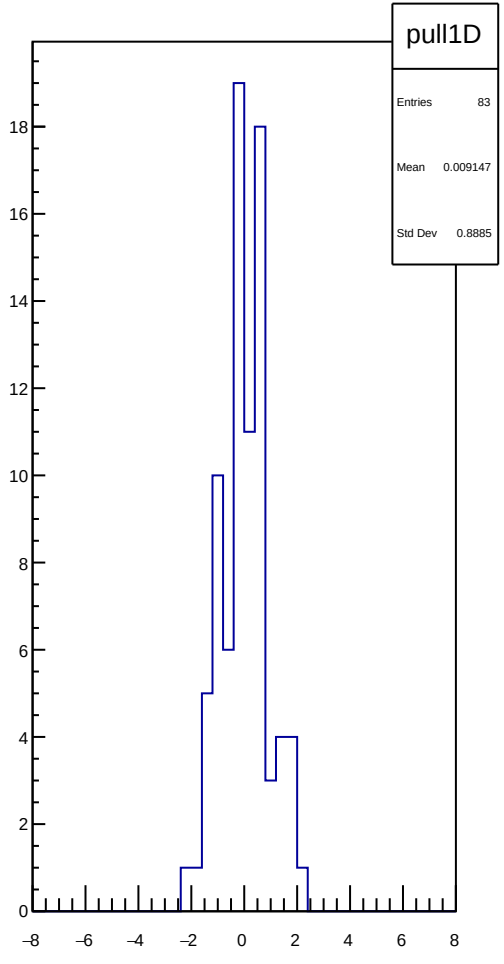

eigen_dit_asym_sam2_rms vs run
χ² / ndf 765.4 / 82
p0 297.3 ± 0.2367
315
310
305
300
295
290
285
280

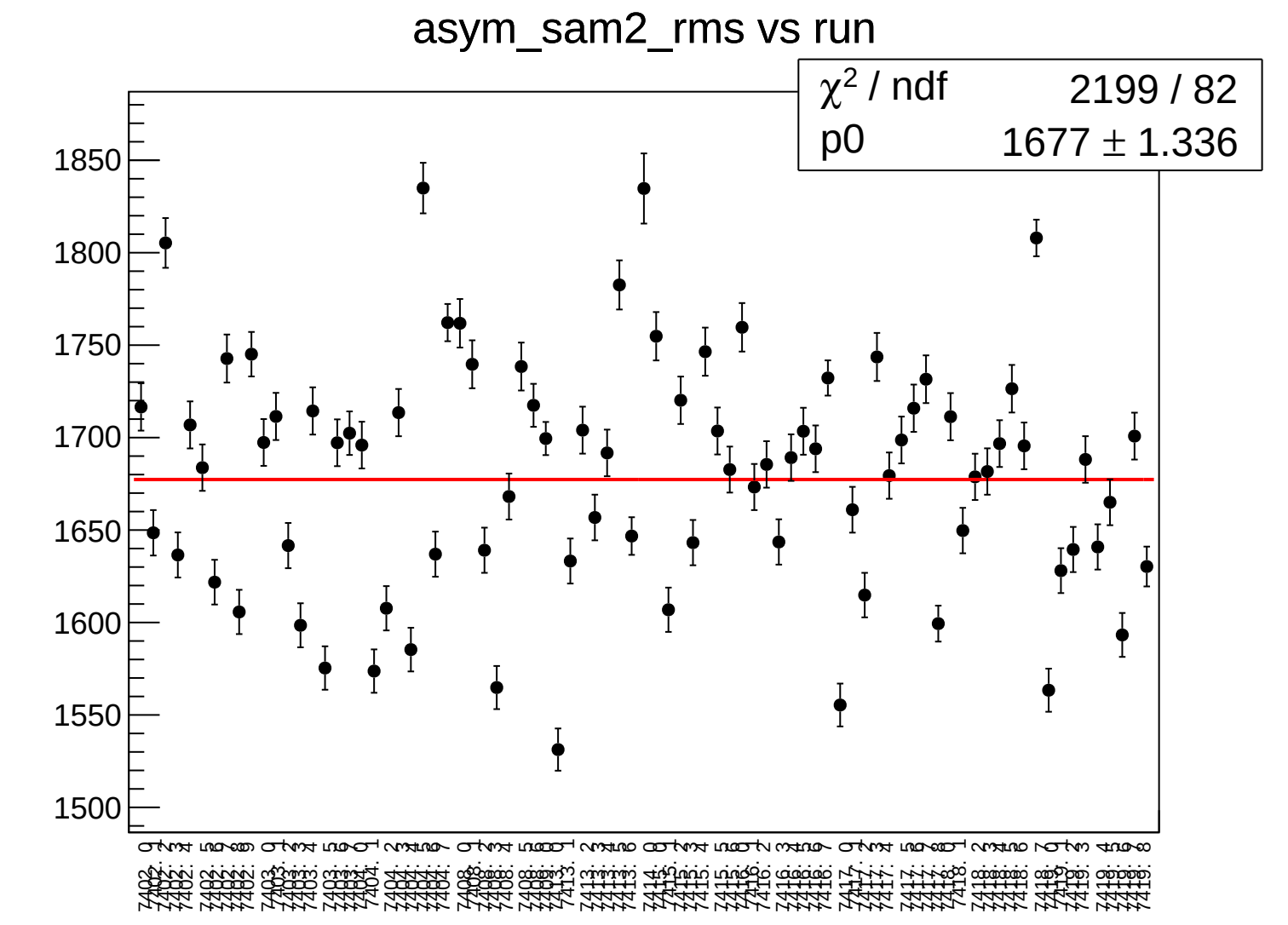

asym_sam2_eigen_dit_correction_mean vs run
χ² / ndf 66.92 / 82
p0 −1851 ± 1933
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 270.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

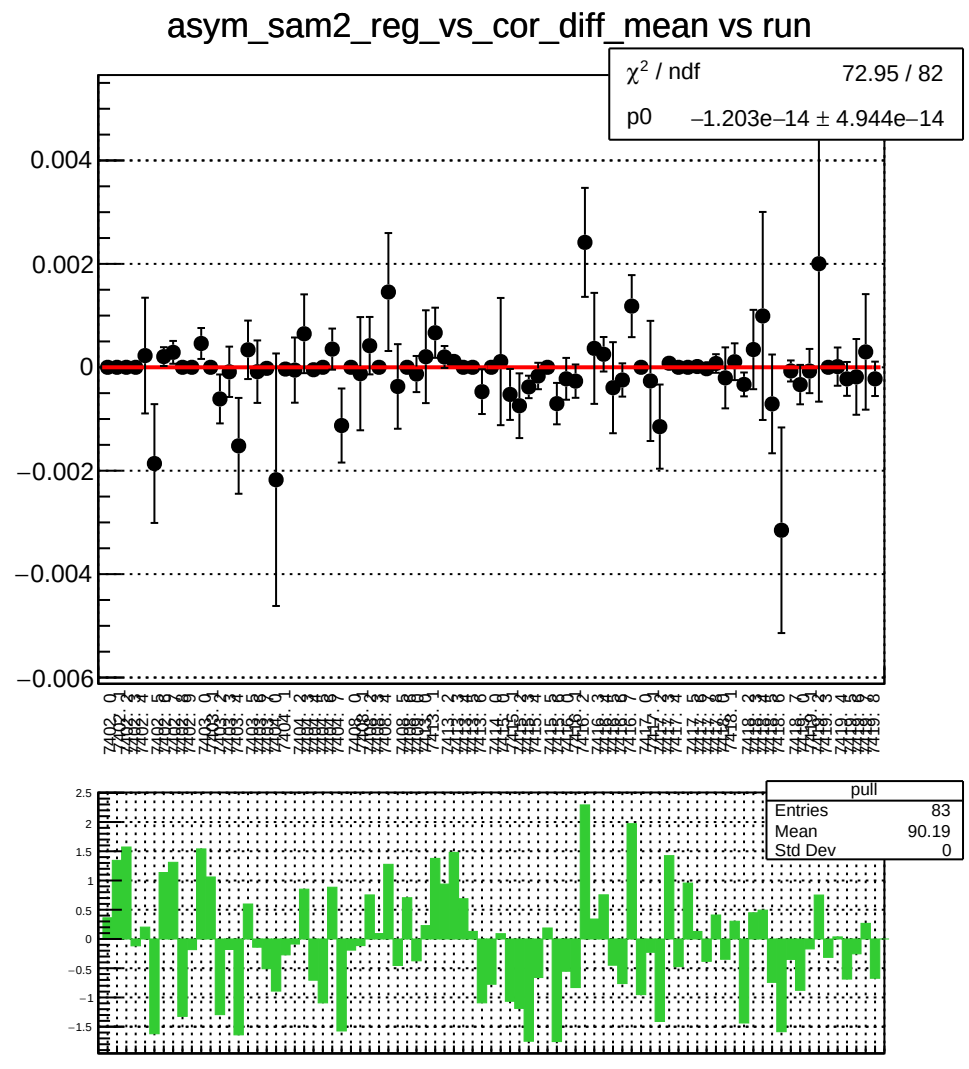

pull1D
Entries 83
Mean −0.00555
Std Dev 0.8979
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

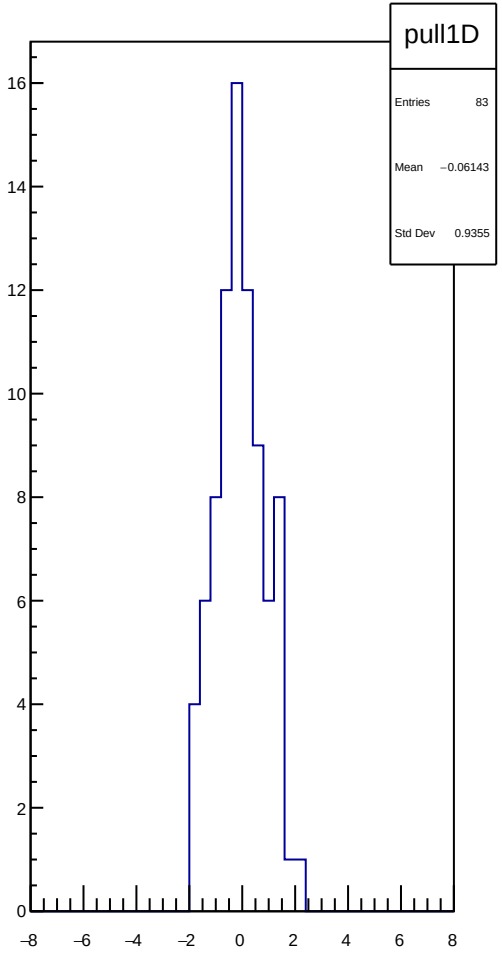

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 2047 / 82
p0 1716 ± 1.367
1900
1850
1800
1750
1700
1650
1600
1550

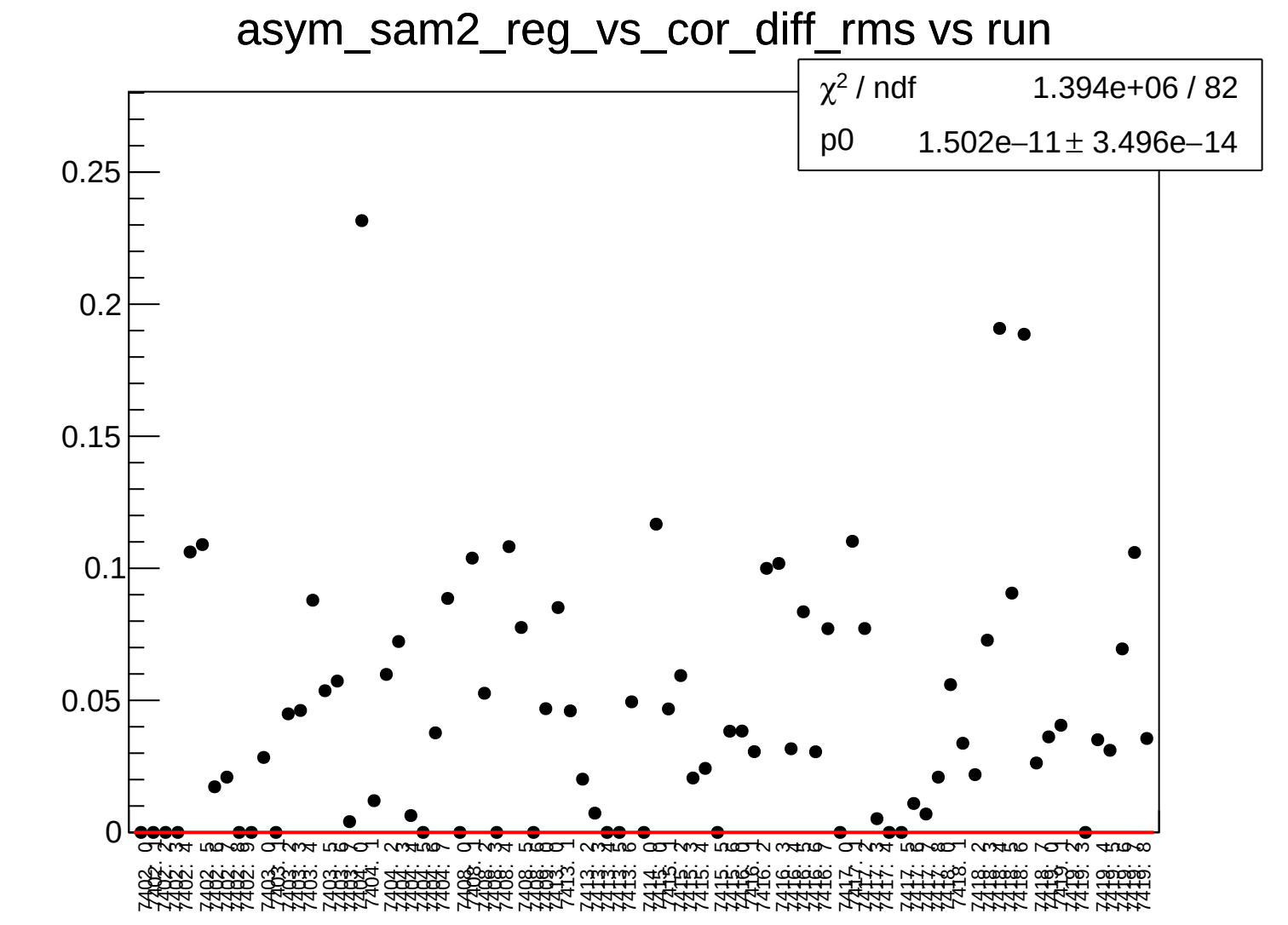

asym_sam2_mean vs run
χ² / ndf 65.53 / 82
p0 1978 ± 1889
pull
Entries 83
Mean 226.8
Std Dev 0

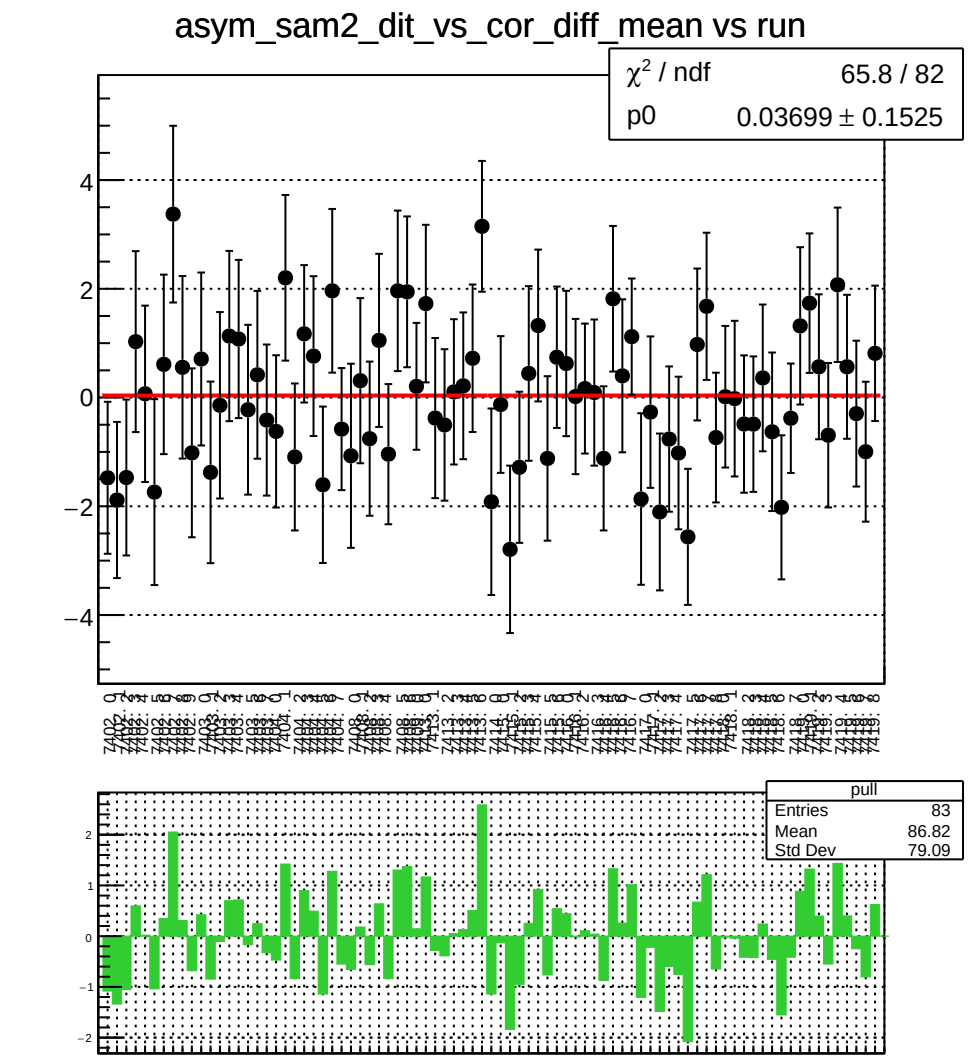

pull1D
Entries 83
Mean 0.009147
Std Dev 0.8885

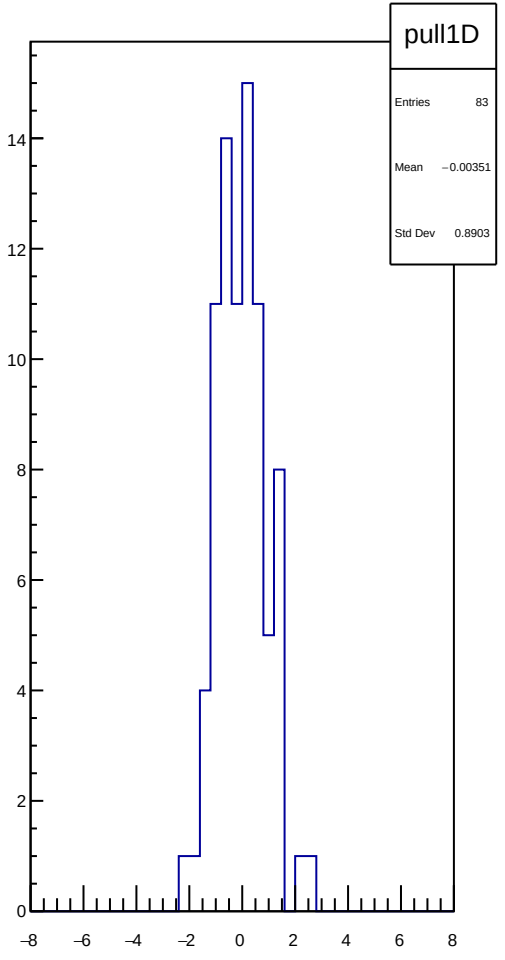

asym_sam2_rms vs run
χ² / ndf 2199 / 82
p0 1677 ± 1.336
1850
1800
1750
1700
1650
1600
1550
1500

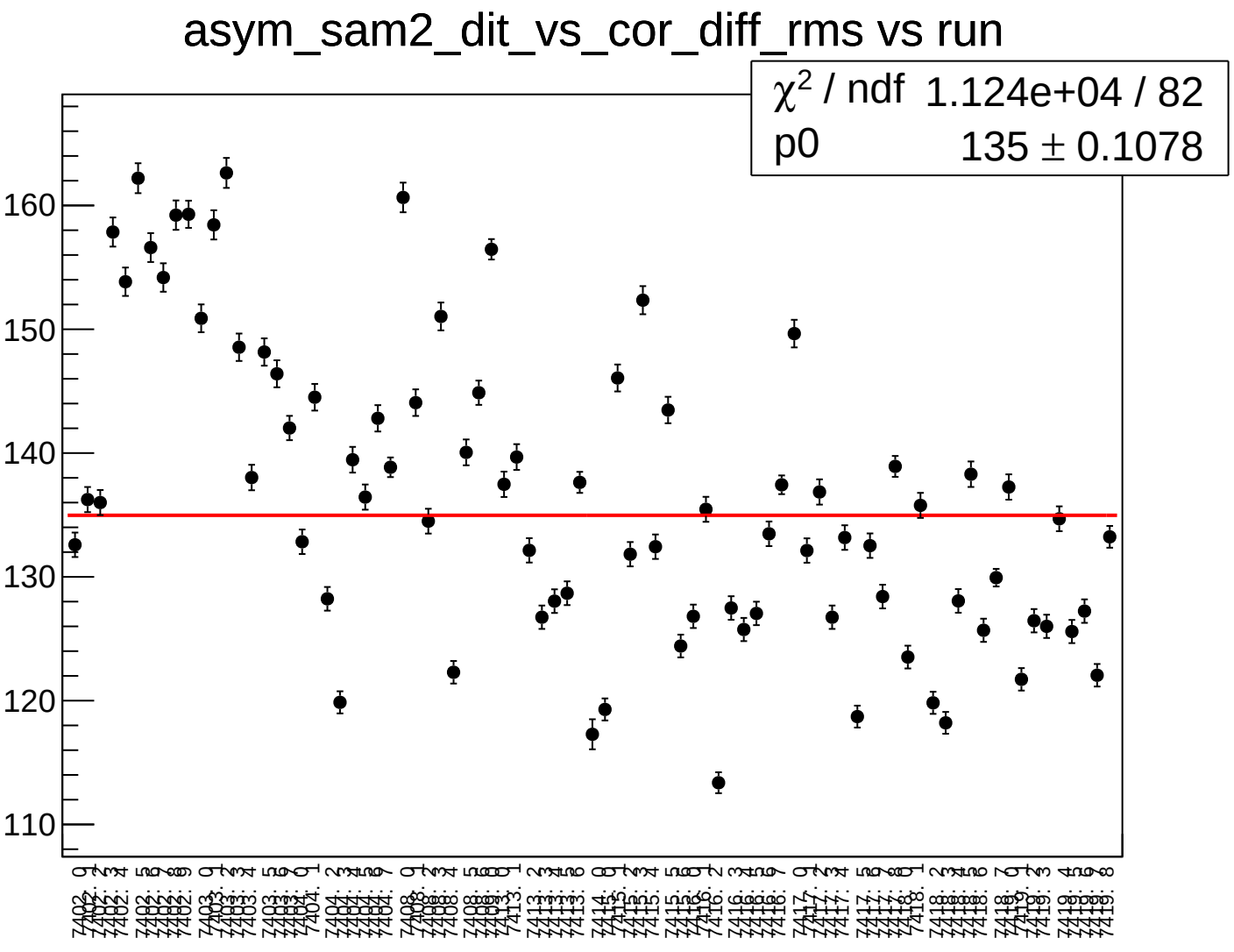

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 72.95 / 82
p0 −1.203e−14 ± 4.944e−14
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 83
Mean 90.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

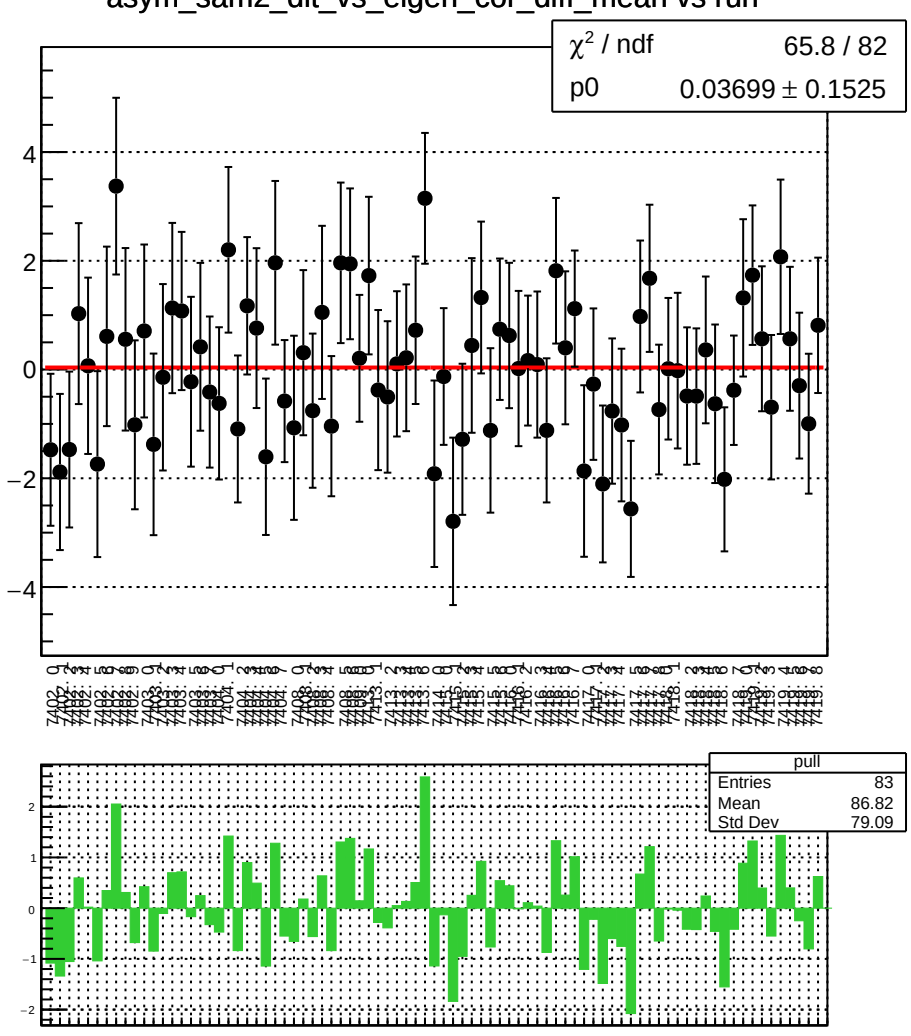

pull1D
Entries 83
Mean −0.06143
Std Dev 0.9355
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

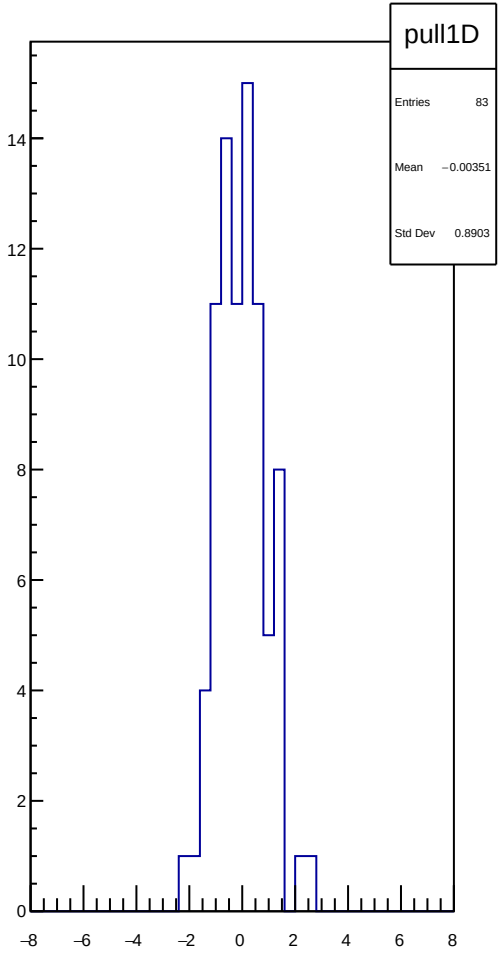

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 1.394e+06 / 82
p0 1.502e−11 ± 3.496e−14
0.25
0.2
0.15
0.1
0.05
0

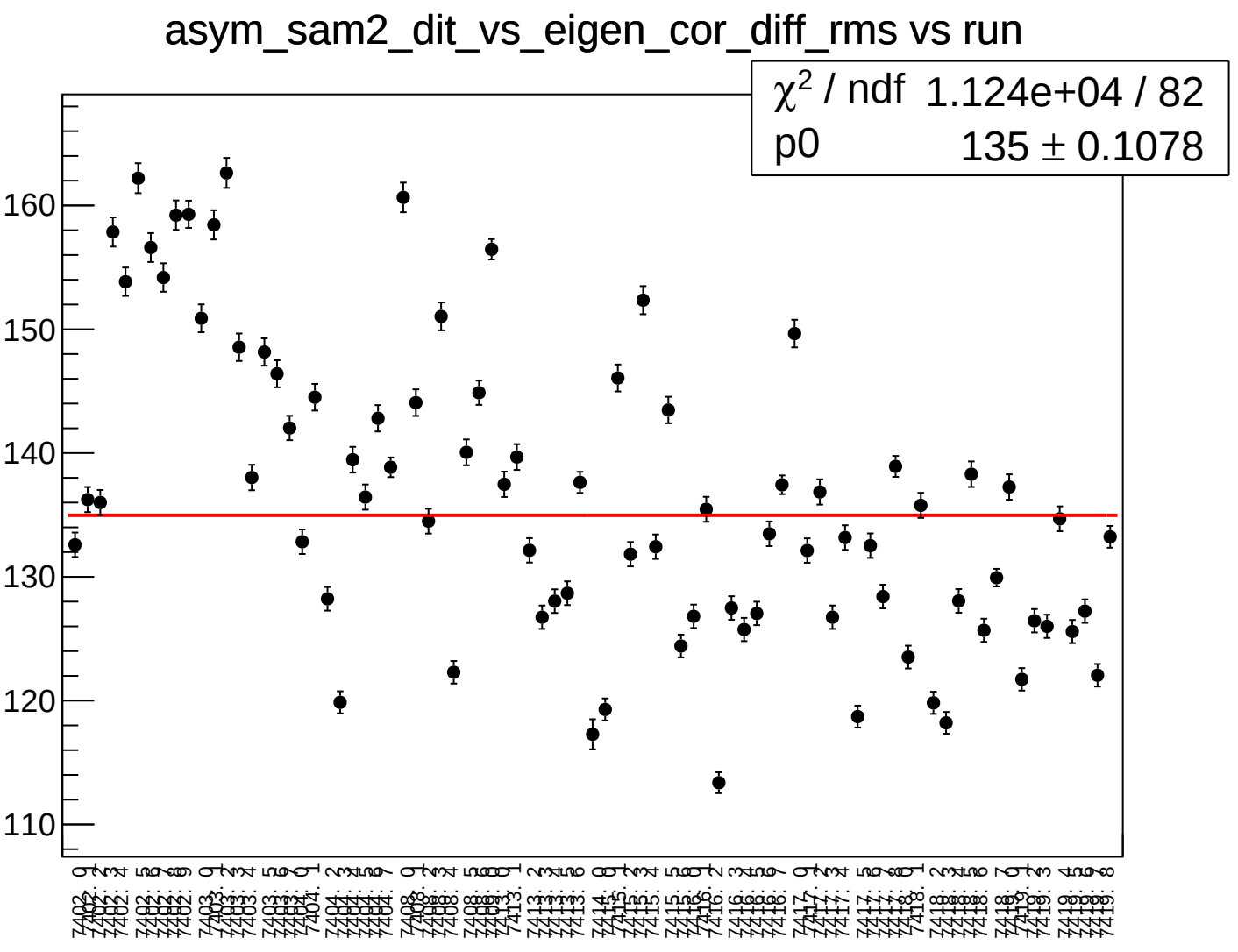

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 65.8 / 82
p0 0.03699 ± 0.1525
pull
Entries 83
Mean 86.82
Std Dev 79.09

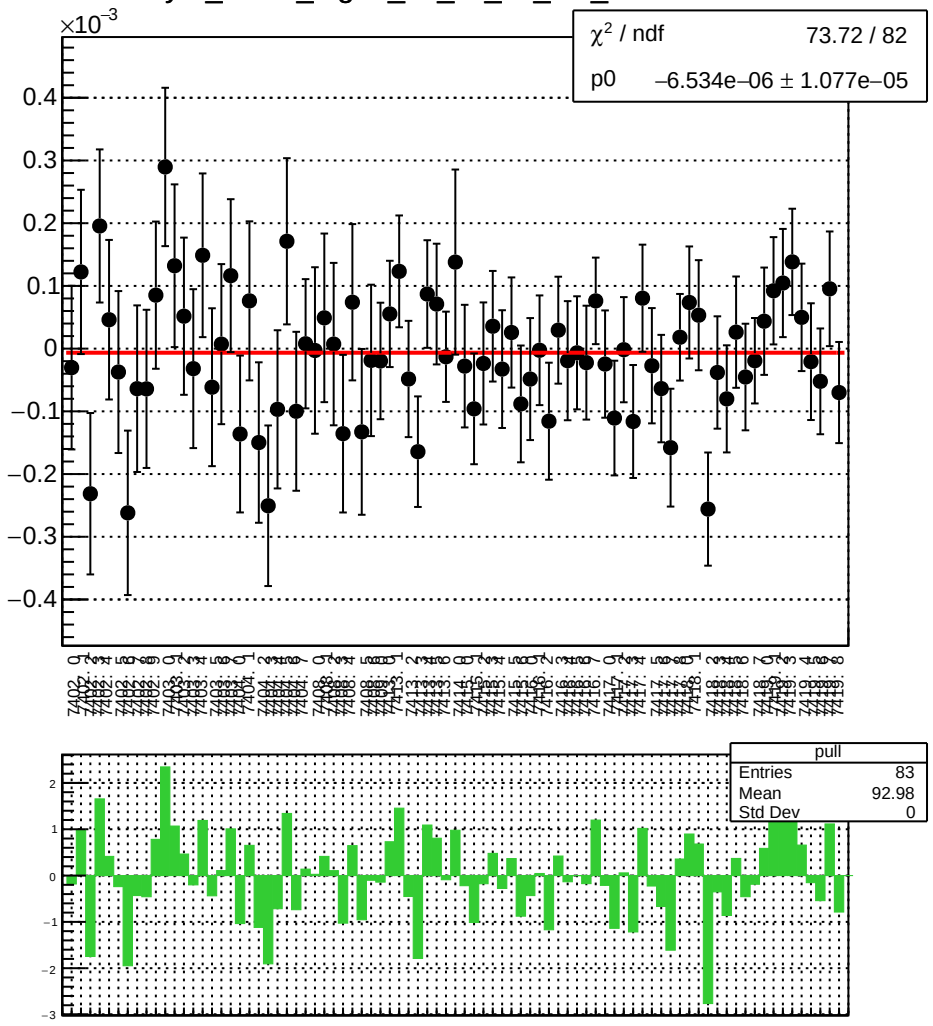

pull1D
Entries 83
Mean −0.00351
Std Dev 0.8903

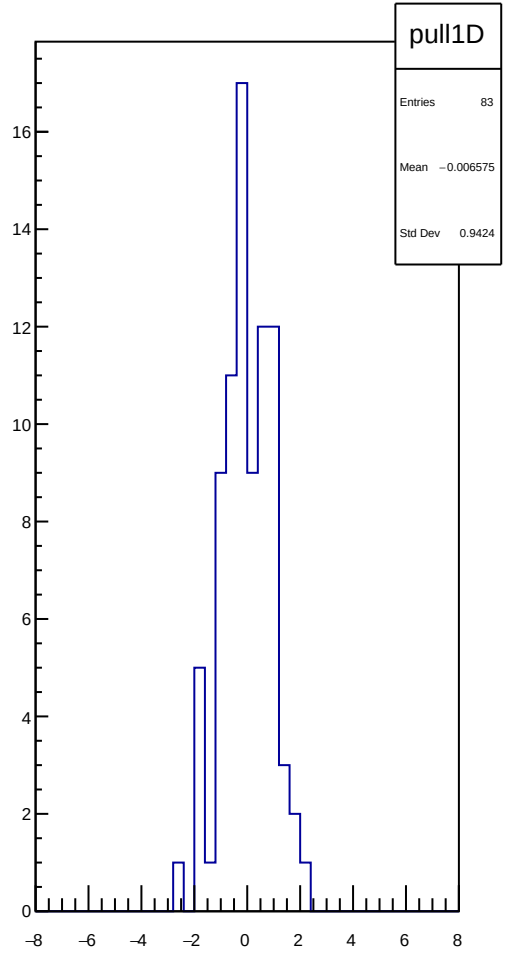

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.124e+04 / 82
p0 135 ± 0.1078
160
150
140
130
120
110

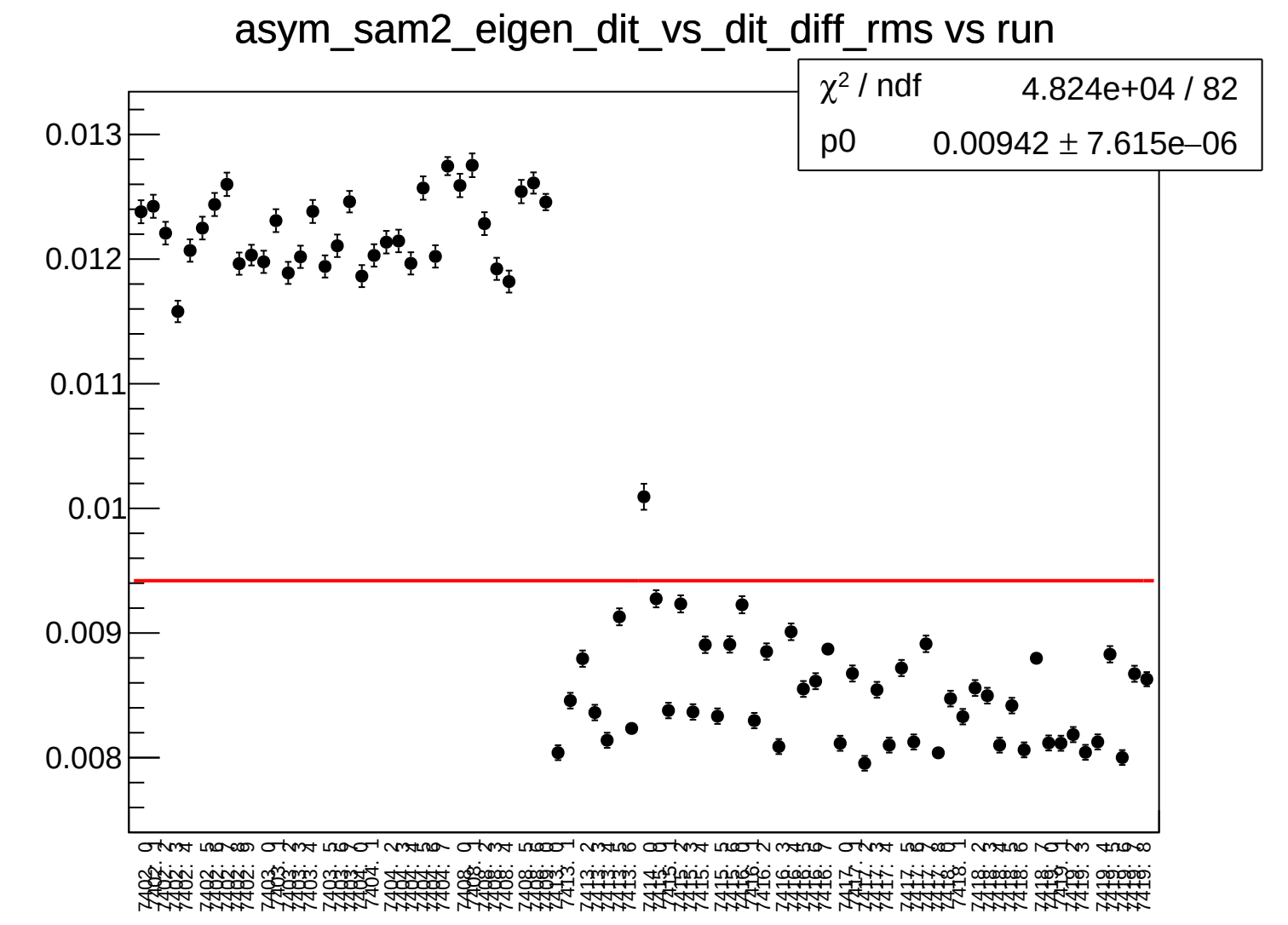

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.8 / 82
p0 0.03699 ± 0.1525
pull
Entries 83
Mean 86.82
Std Dev 79.09

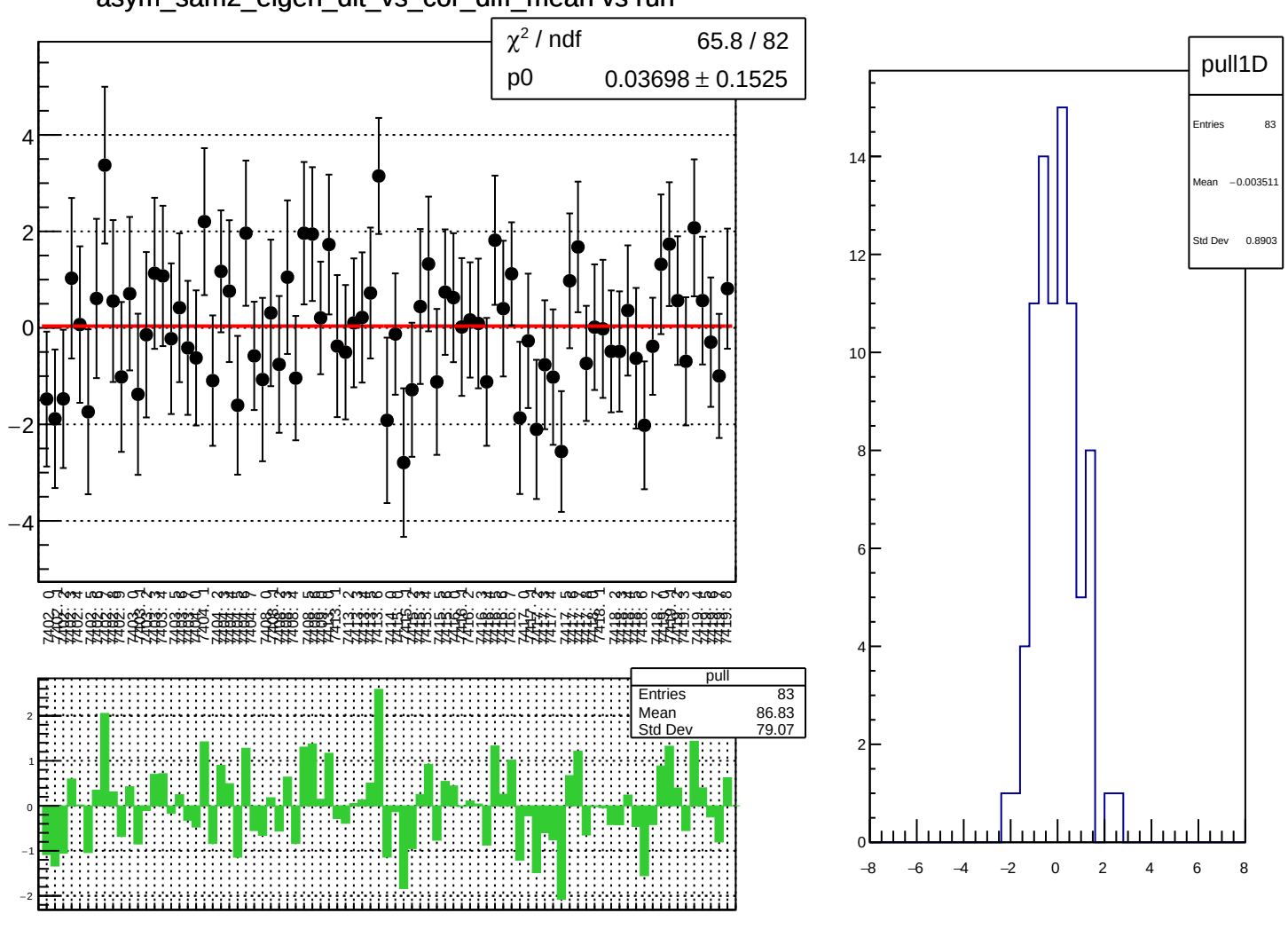

pull1D
Entries 83
Mean −0.00351
Std Dev 0.8903

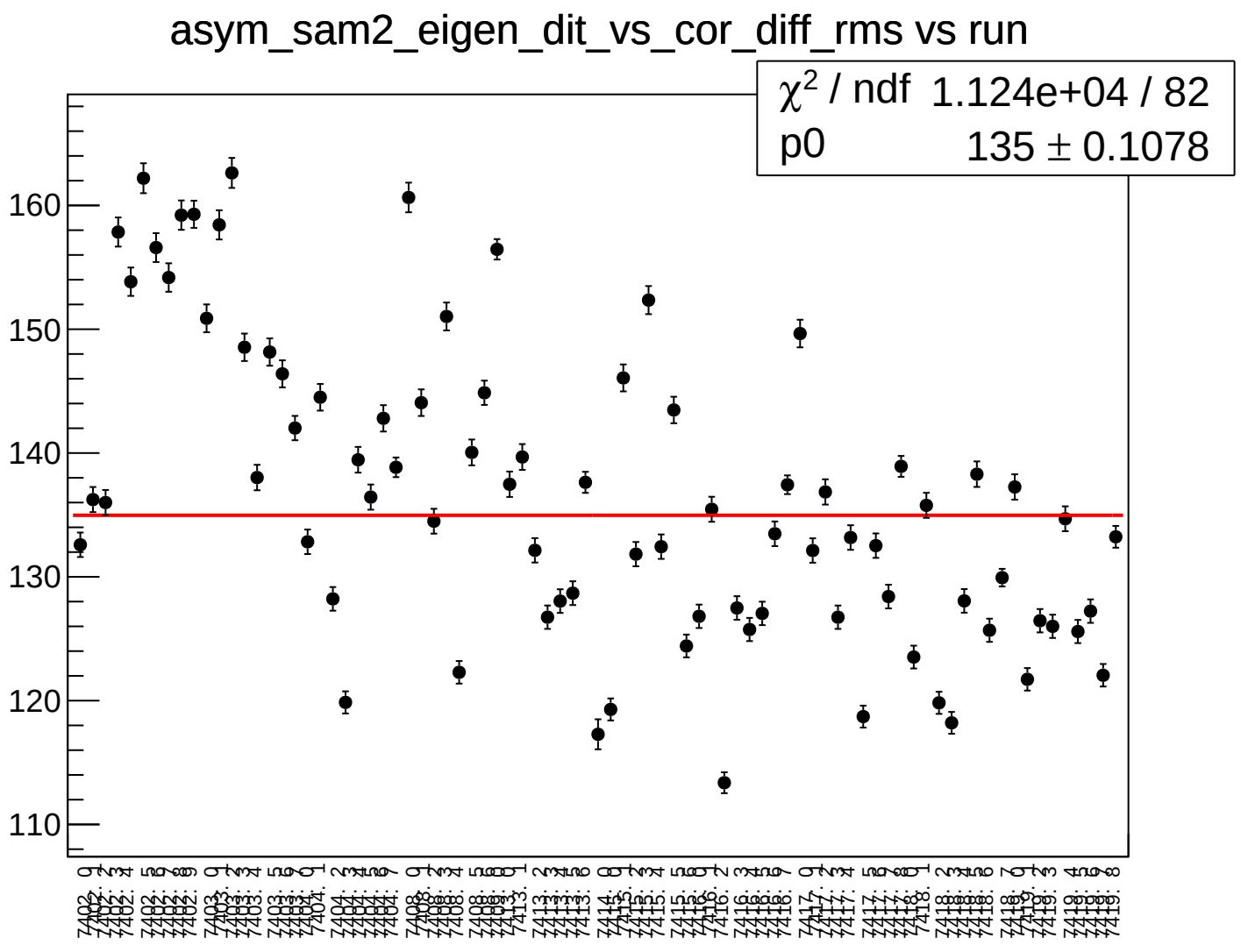

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.124e+04 / 82
p0 135 ± 0.1078
160
150
140
130
120
110


asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.72 / 82
p0 −6.534e−06 ± 1.077e−05
pull
Entries 83
Mean 92.98
Std Dev 0

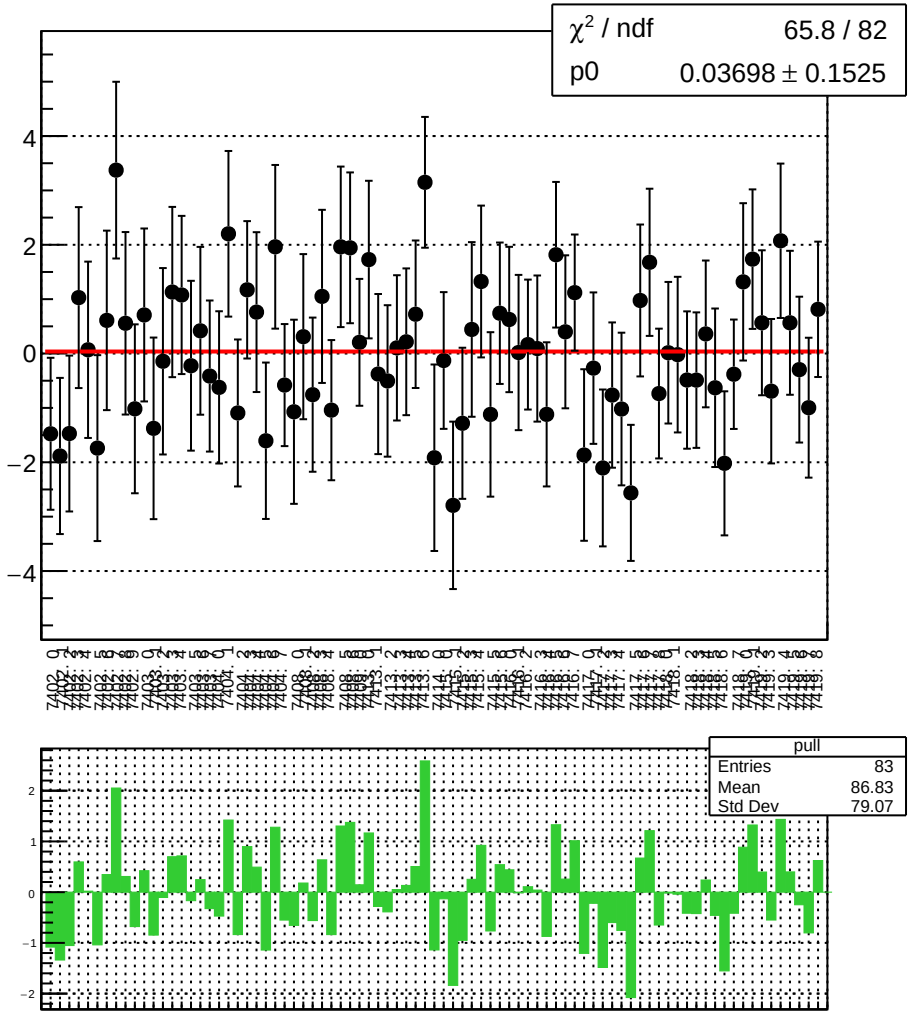

pull1D
Entries 83
Mean −0.006575
Std Dev 0.9424

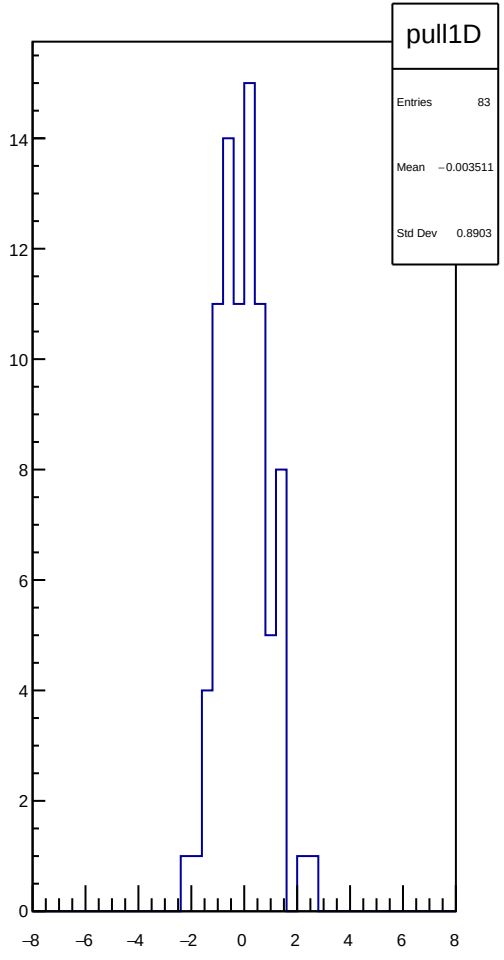

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.824e+04 / 82
p0 0.00942 ± 7.615e–06
0.013
0.012
0.011
0.01
0.009
0.008

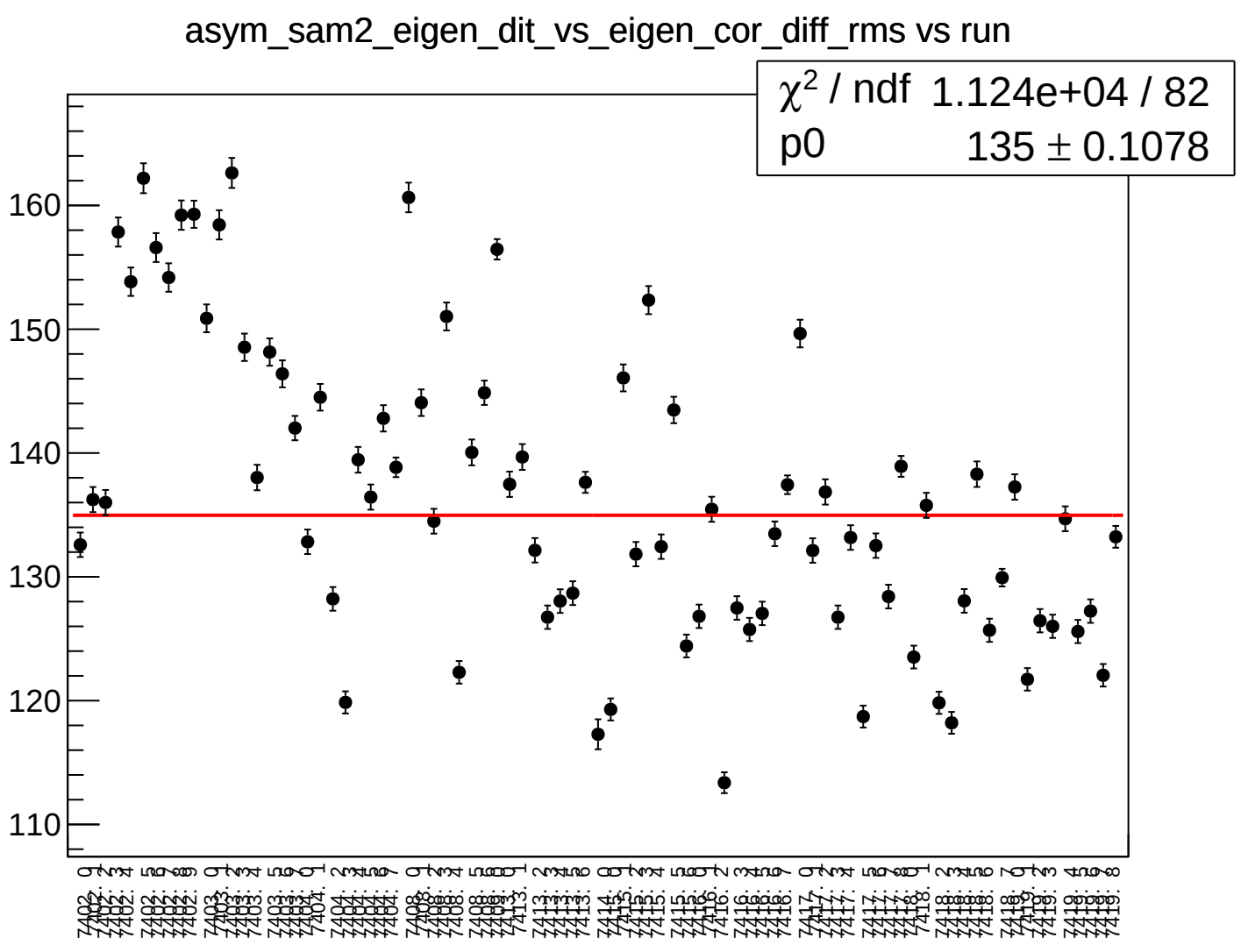

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.8 / 82
p0 0.03698 ± 0.1525
pull
Entries 83
Mean 86.83
Std Dev 79.07
pull1D
Entries 83
Mean −0.003511
Std Dev 0.8903

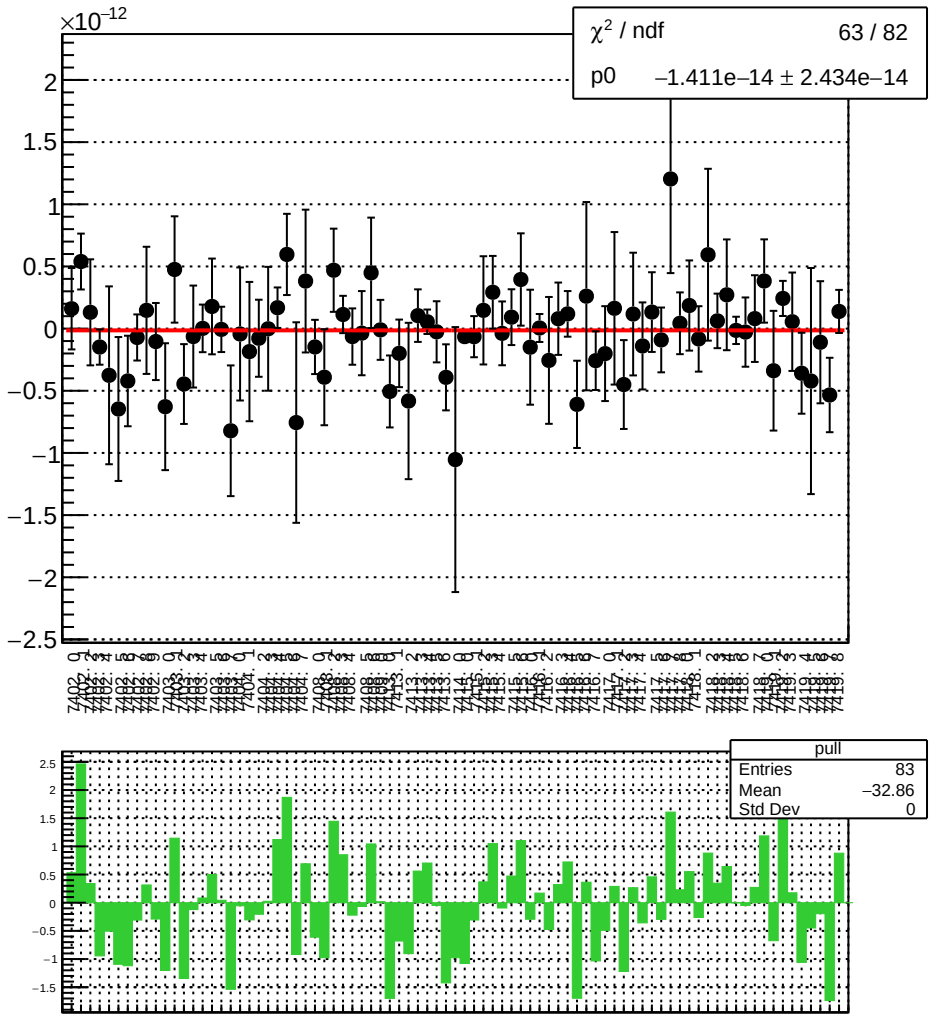

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.124e+04 / 82
p0 135 ± 0.1078
160
150
140
130
120
110

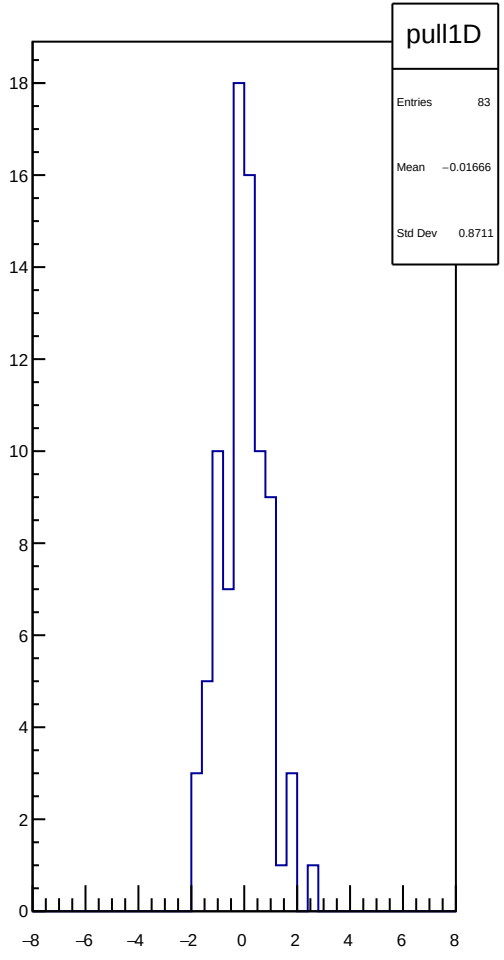
asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run

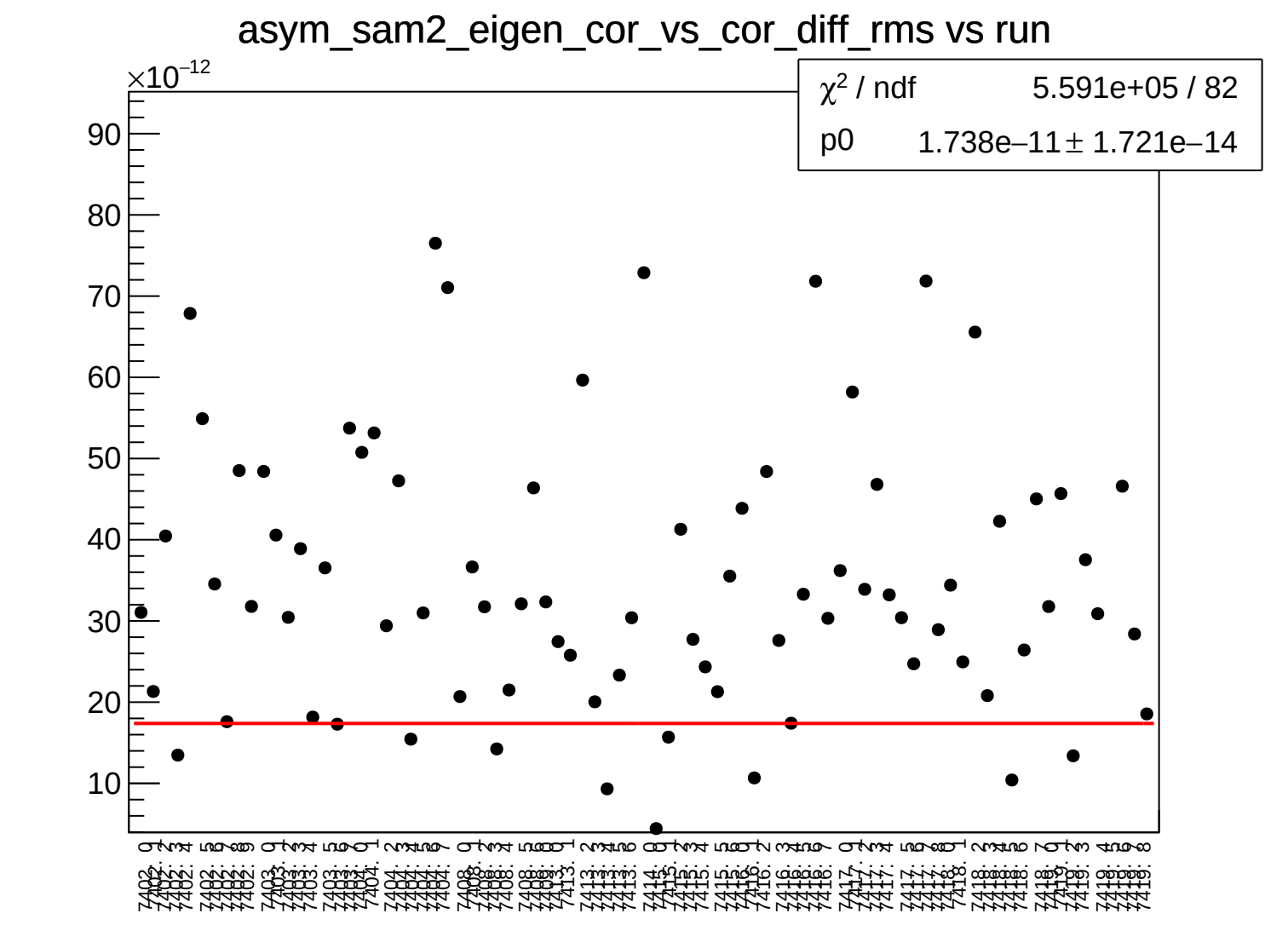


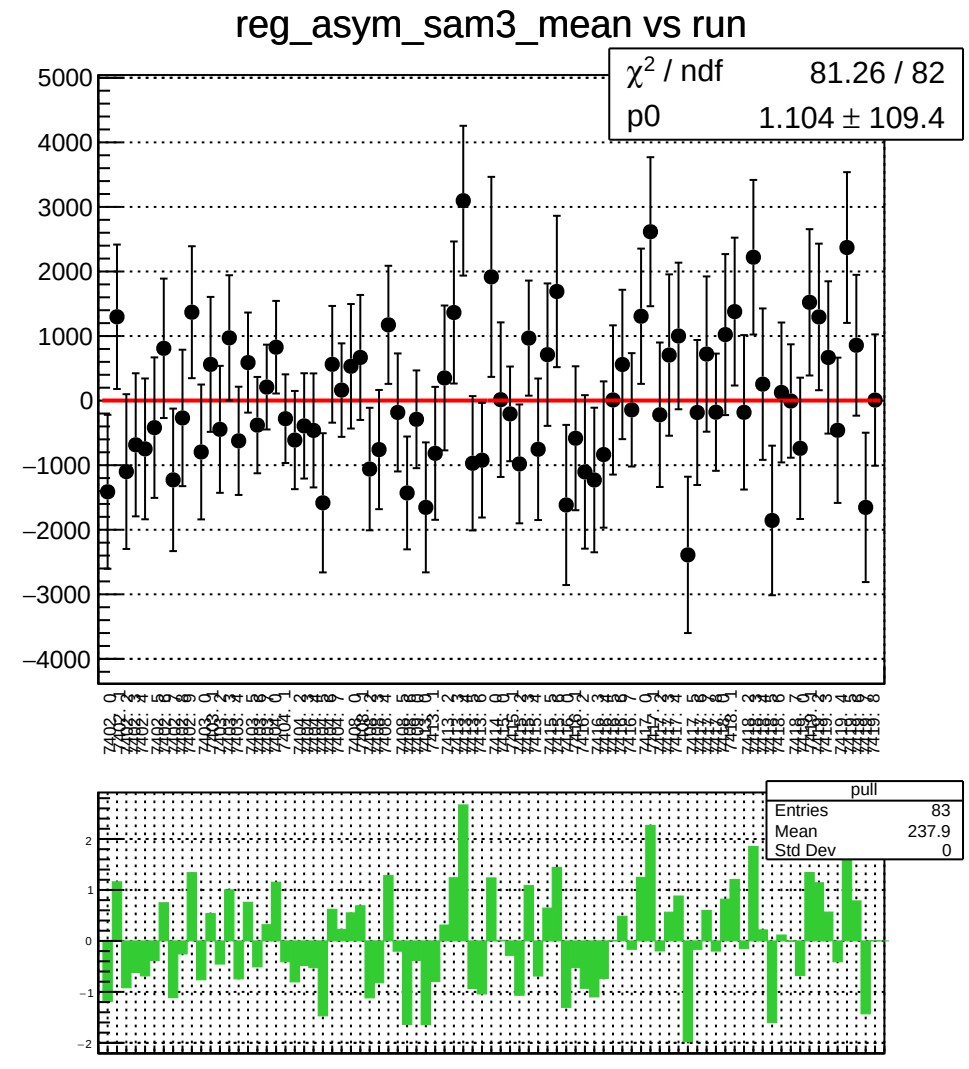


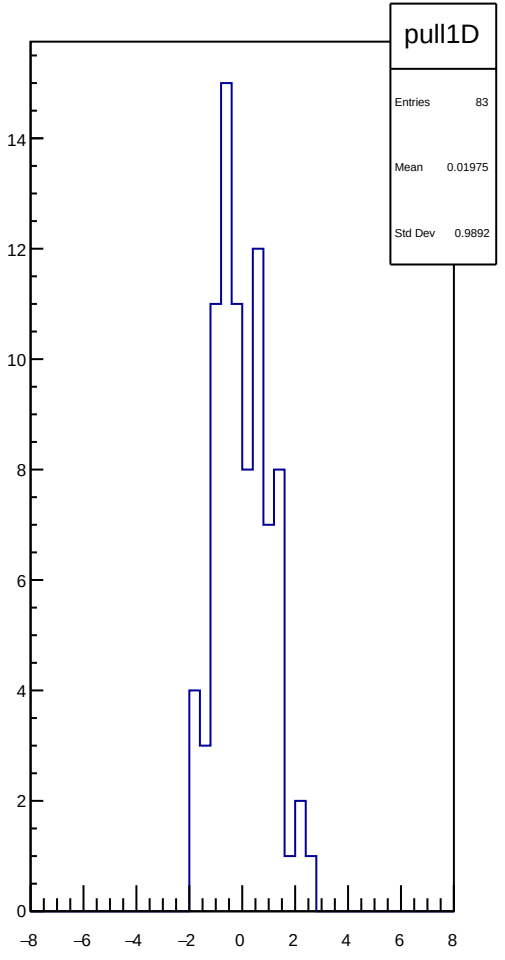

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.124e+04 / 82
p0 135 ± 0.1078
160
150
140
130
120
110

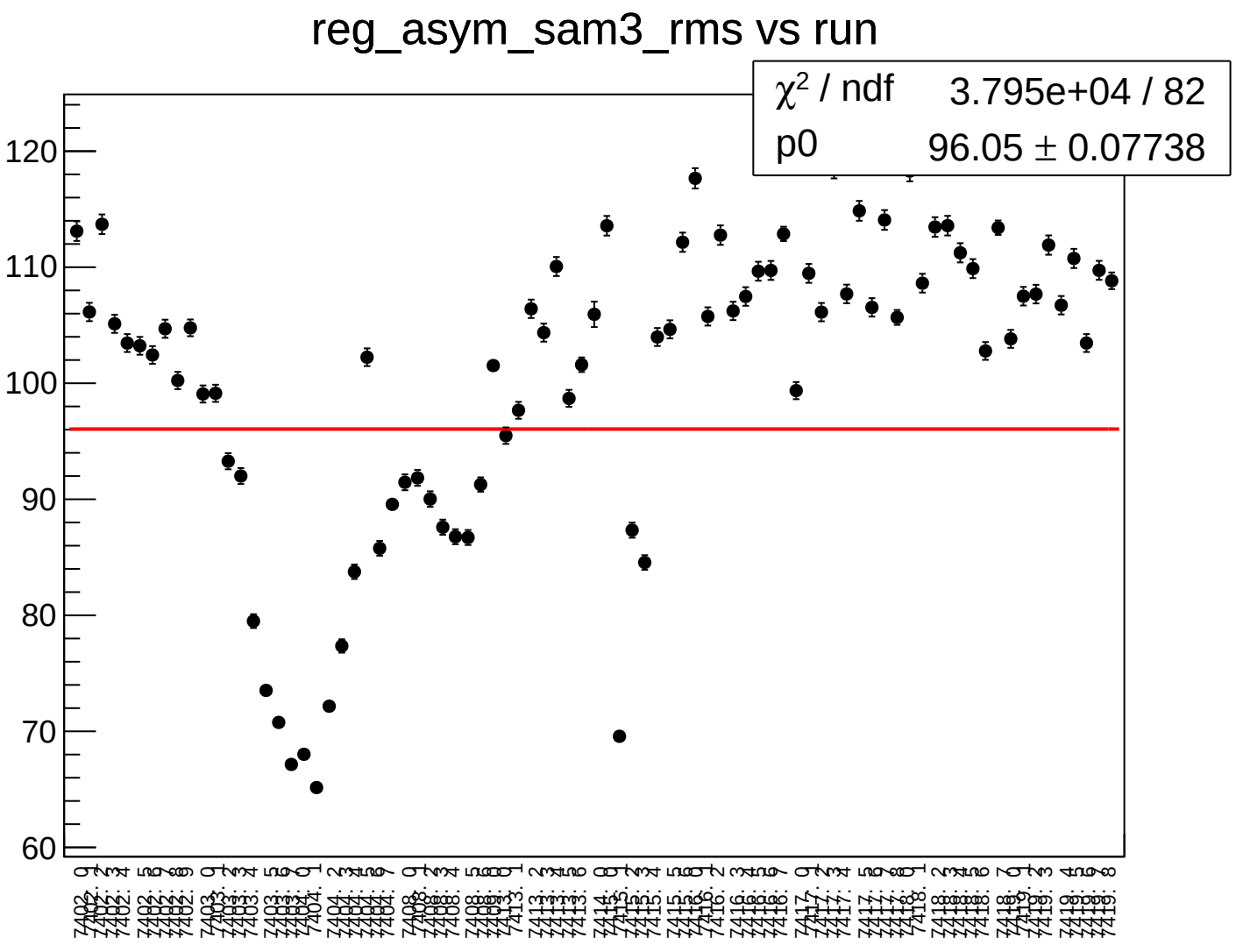

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63 / 82
p0 −1.411e−14 ± 2.434e−14
pull
Entries 83
Mean −32.86
Std Dev 0

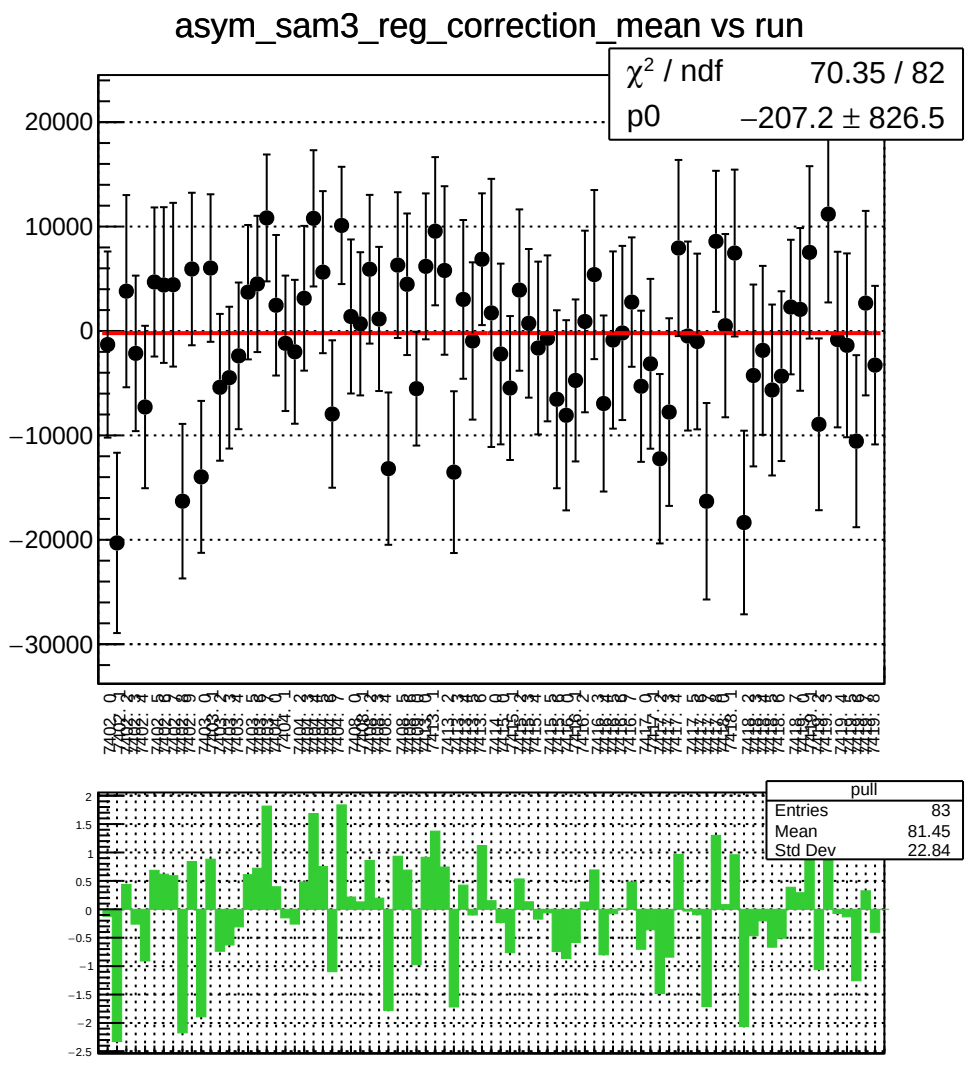

pull1D
Entries 83
Mean −0.01666
Std Dev 0.8711

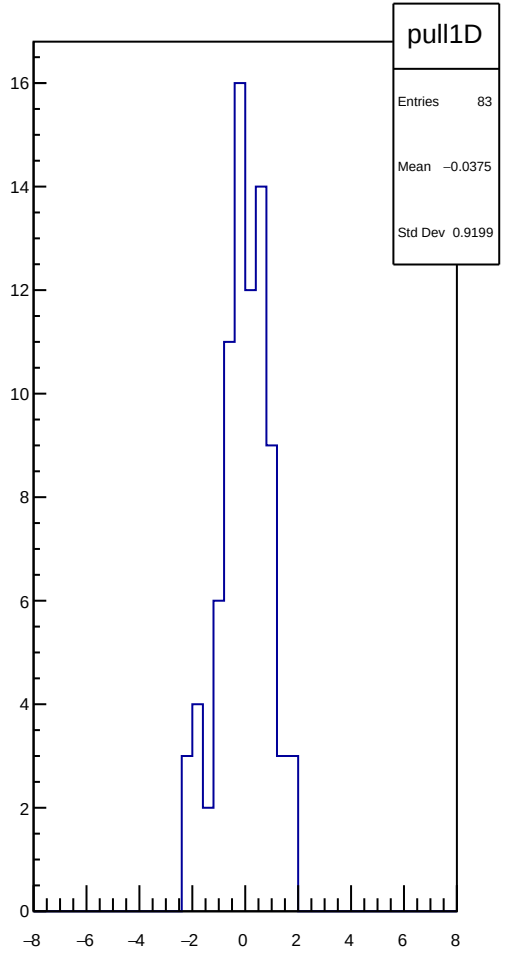

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
90
80
70
60
50
40
30
20
10
χ² / ndf 5.591e+05 / 82
p0 1.738e−11 ± 1.721e−14

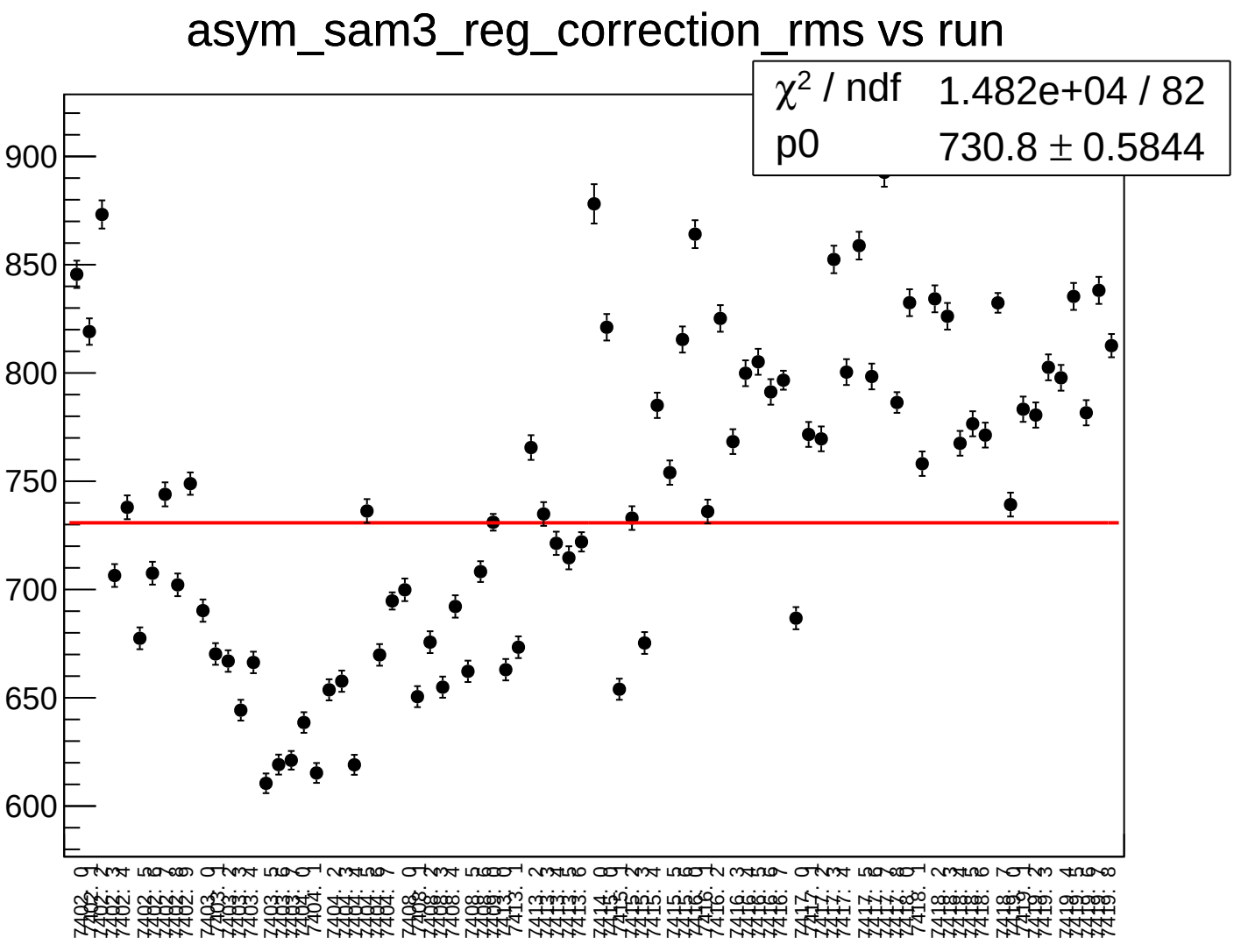

reg_asym_sam3_mean vs run
χ^2 / ndf 81.26 / 82
p0 1.104 ± 109.4
pull
Entries 83
Mean 237.9
Std Dev 0

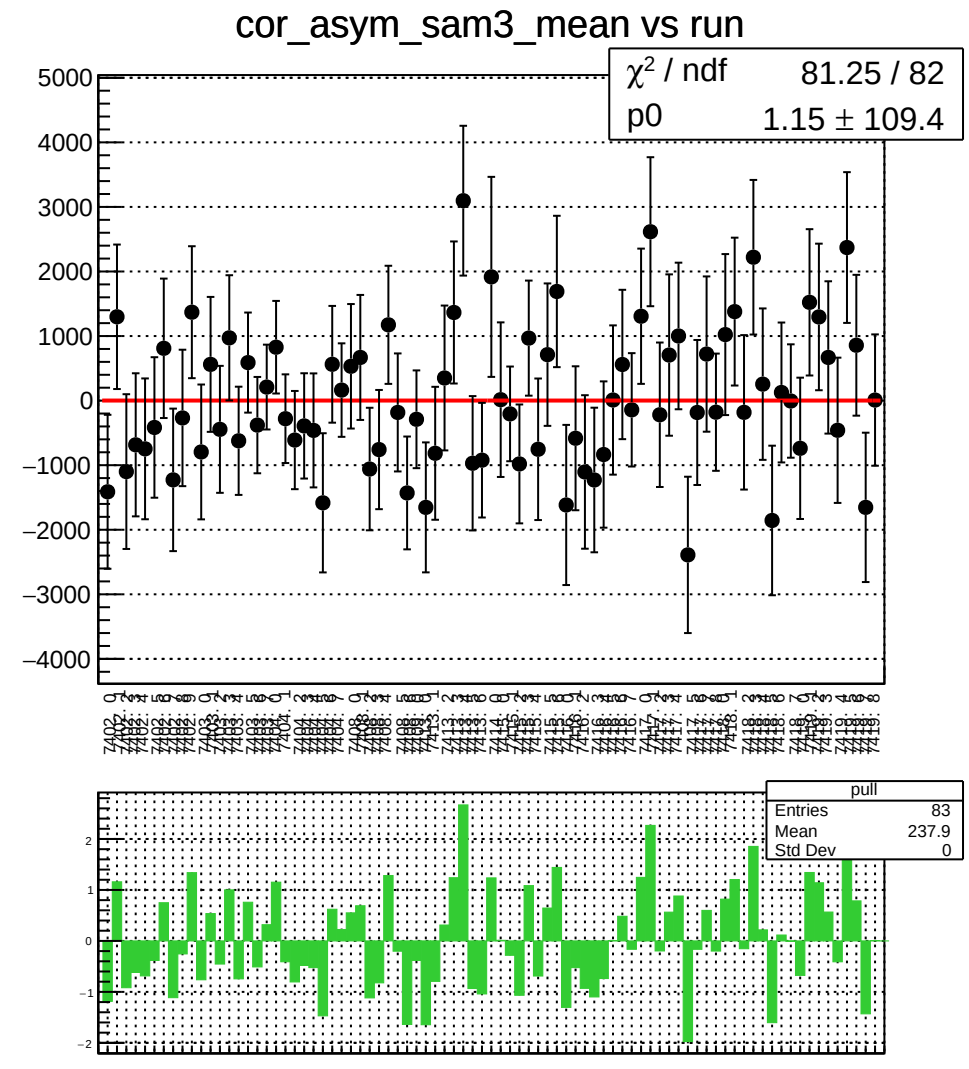

pull1D
Entries 83
Mean 0.01975
Std Dev 0.9892

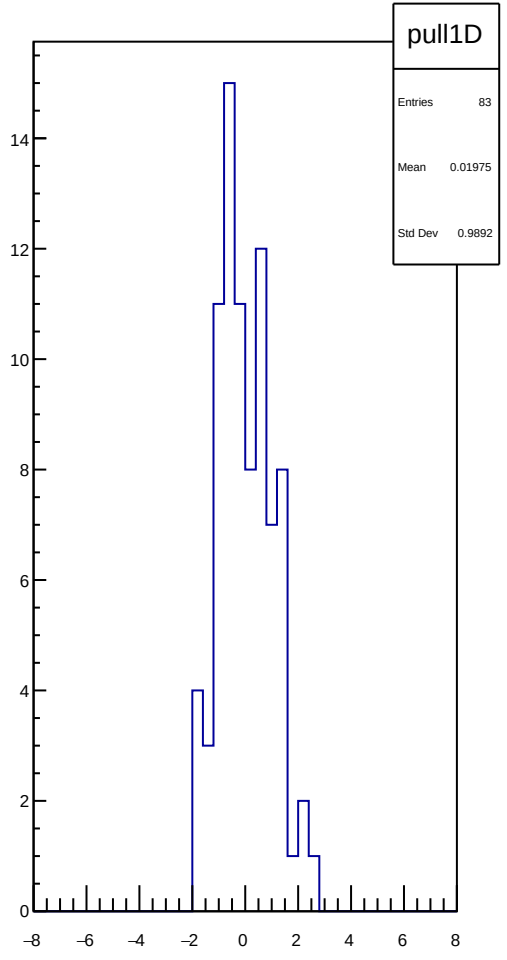

reg_asym_sam3_rms vs run
χ² / ndf 3.795e+04 / 82
p0 96.05 ± 0.07738
120
110
100
90
80
70
60

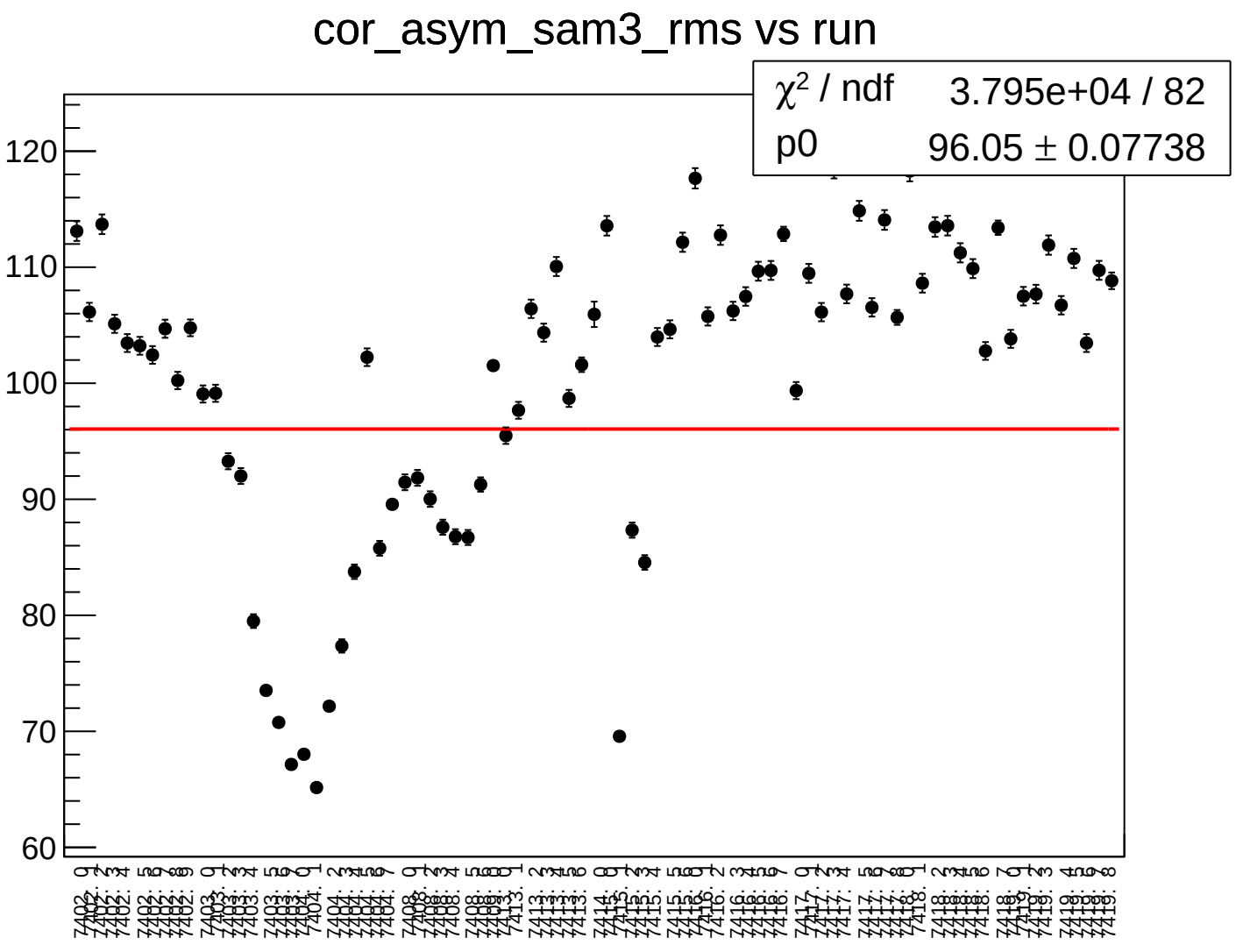

asym_sam3_reg_correction_mean vs run
χ² / ndf 70.35 / 82
p0 −207.2 ± 826.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 81.45
Std Dev 22.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

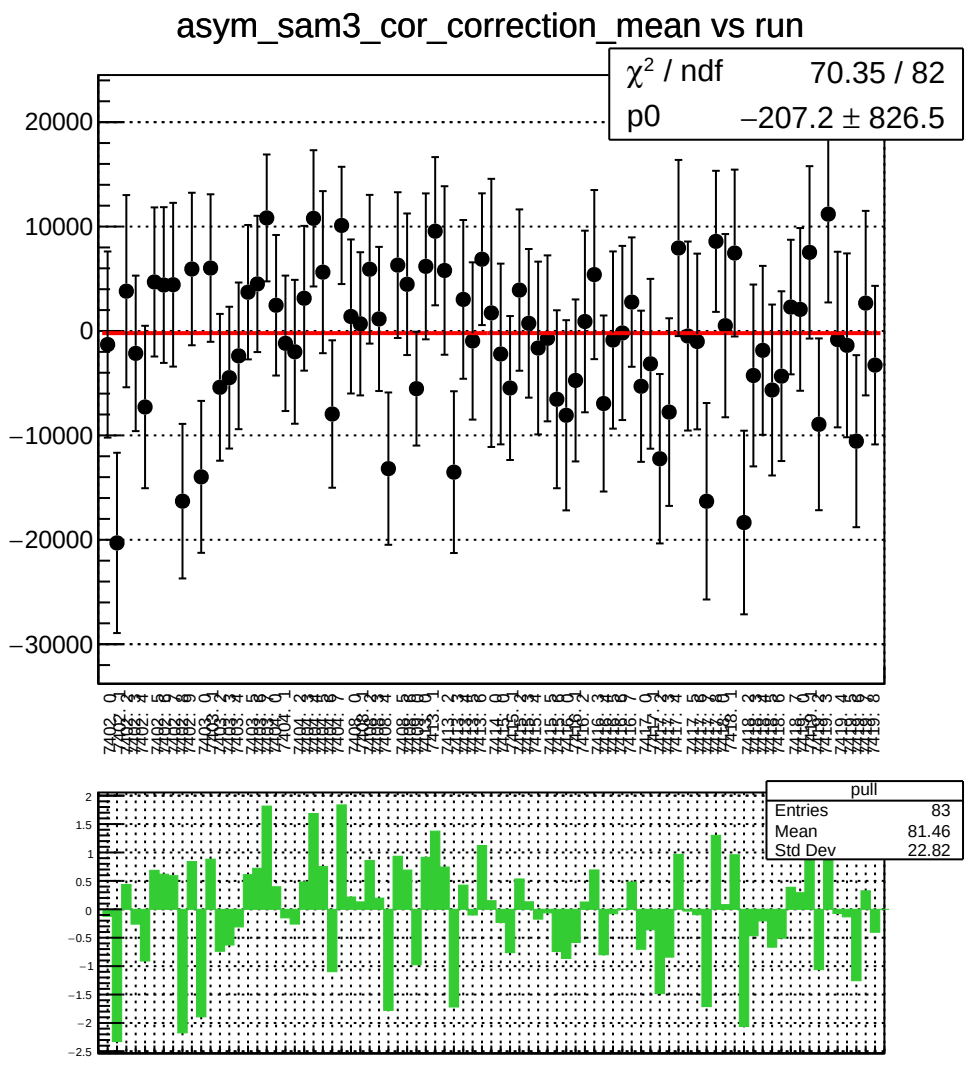

pull1D
Entries 83
Mean −0.0375
Std Dev 0.9199
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

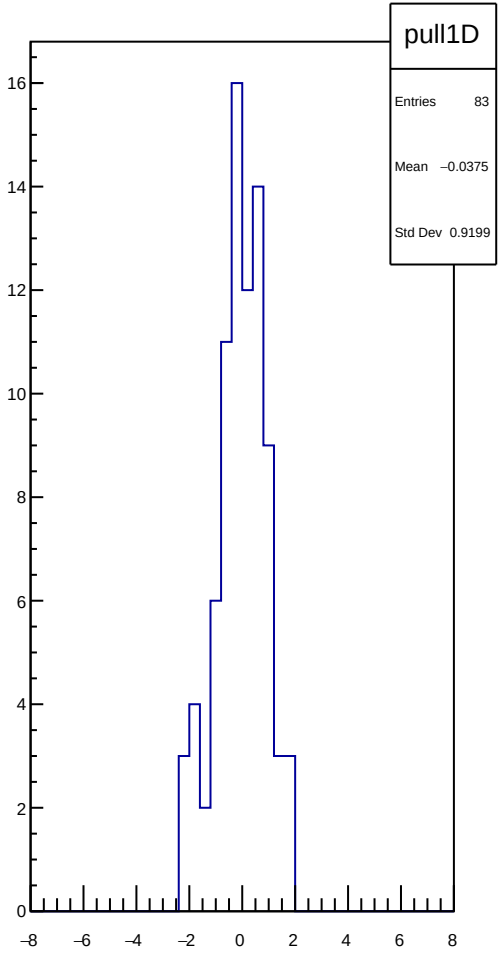

asym_sam3_reg_correction_rms vs run
χ² / ndf 1.482e+04 / 82
p0 730.8 ± 0.5844
900
850
800
750
700
650
600


cor_asym_sam3_mean vs run
χ² / ndf 81.25 / 82
p0 1.15 ± 109.4
pull
Entries 83
Mean 237.9
Std Dev 0

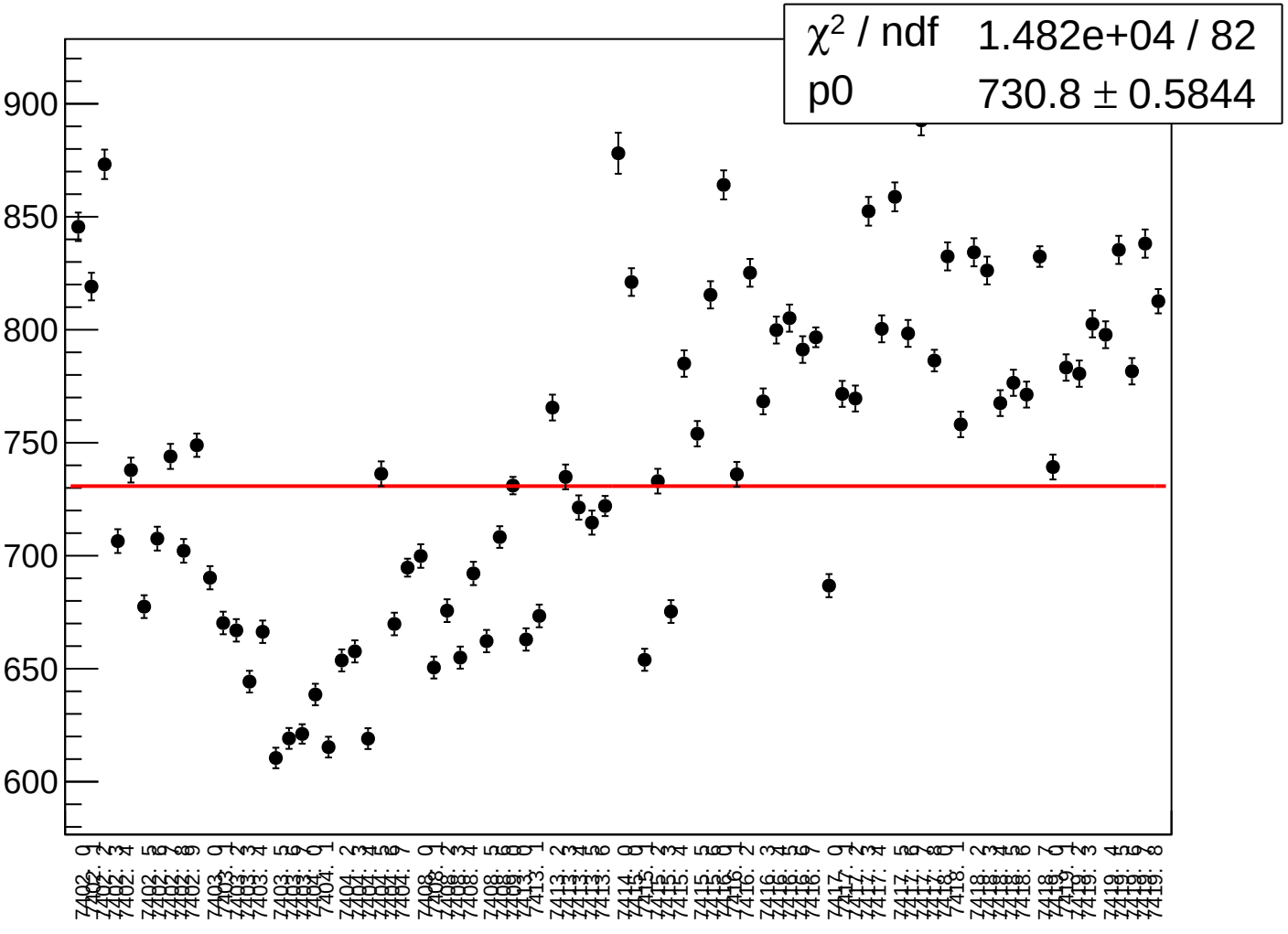

pull1D
Entries 83
Mean 0.01975
Std Dev 0.9892

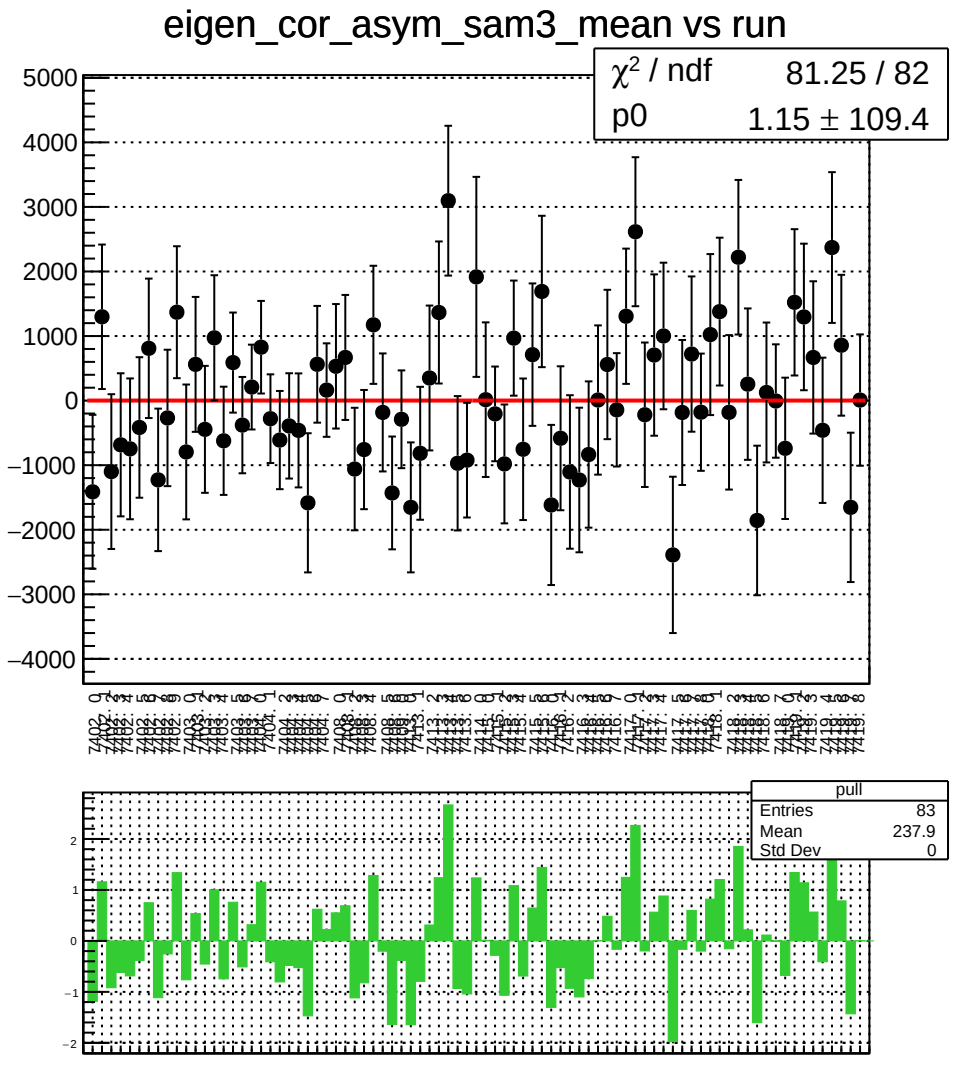

cor_asym_sam3_rms vs run
χ^2 / ndf 3.795e+04 / 82
p0 96.05 ± 0.07738
120
110
100
90
80
70
60

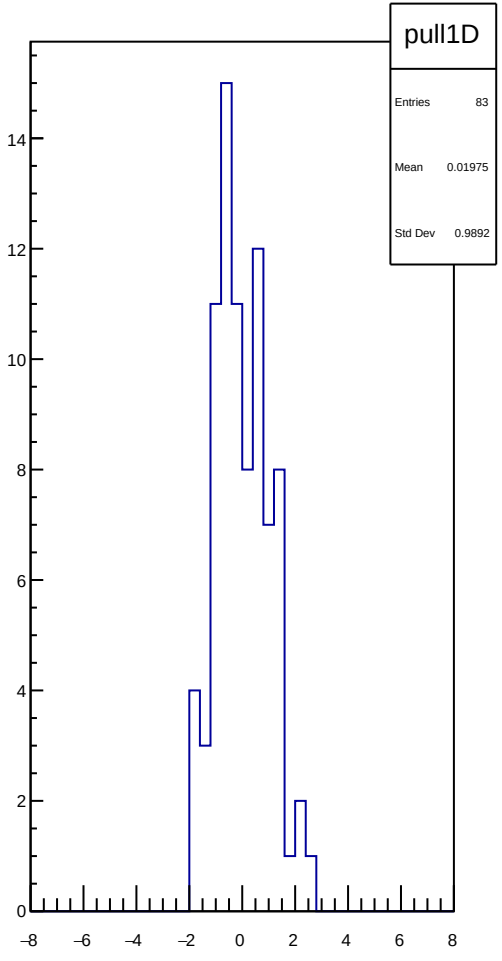

asym_sam3_cor_correction_mean vs run
χ² / ndf 70.35 / 82
p0 −207.2 ± 826.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 81.46
Std Dev 22.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

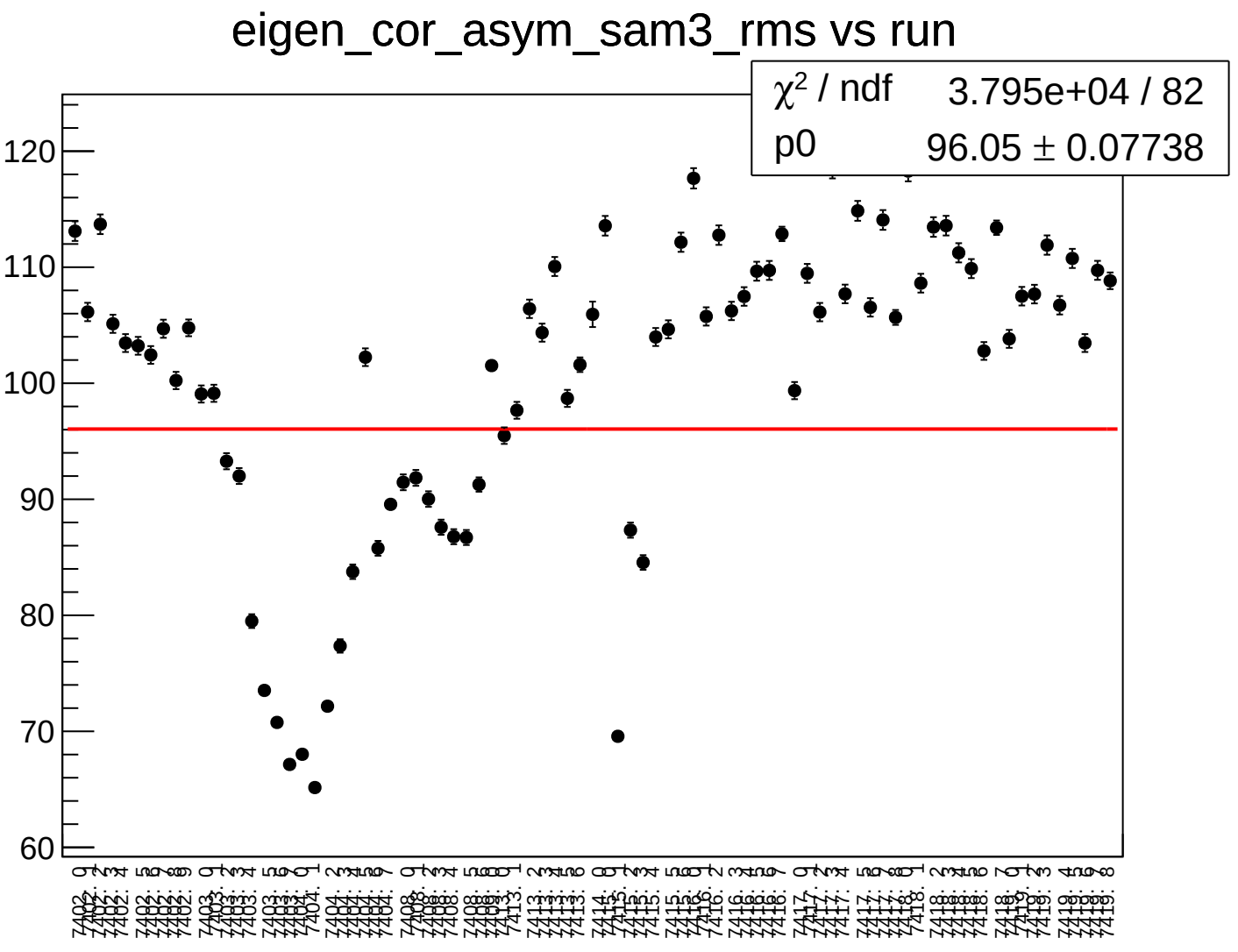

pull1D
Entries 83
Mean −0.0375
Std Dev 0.9199
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

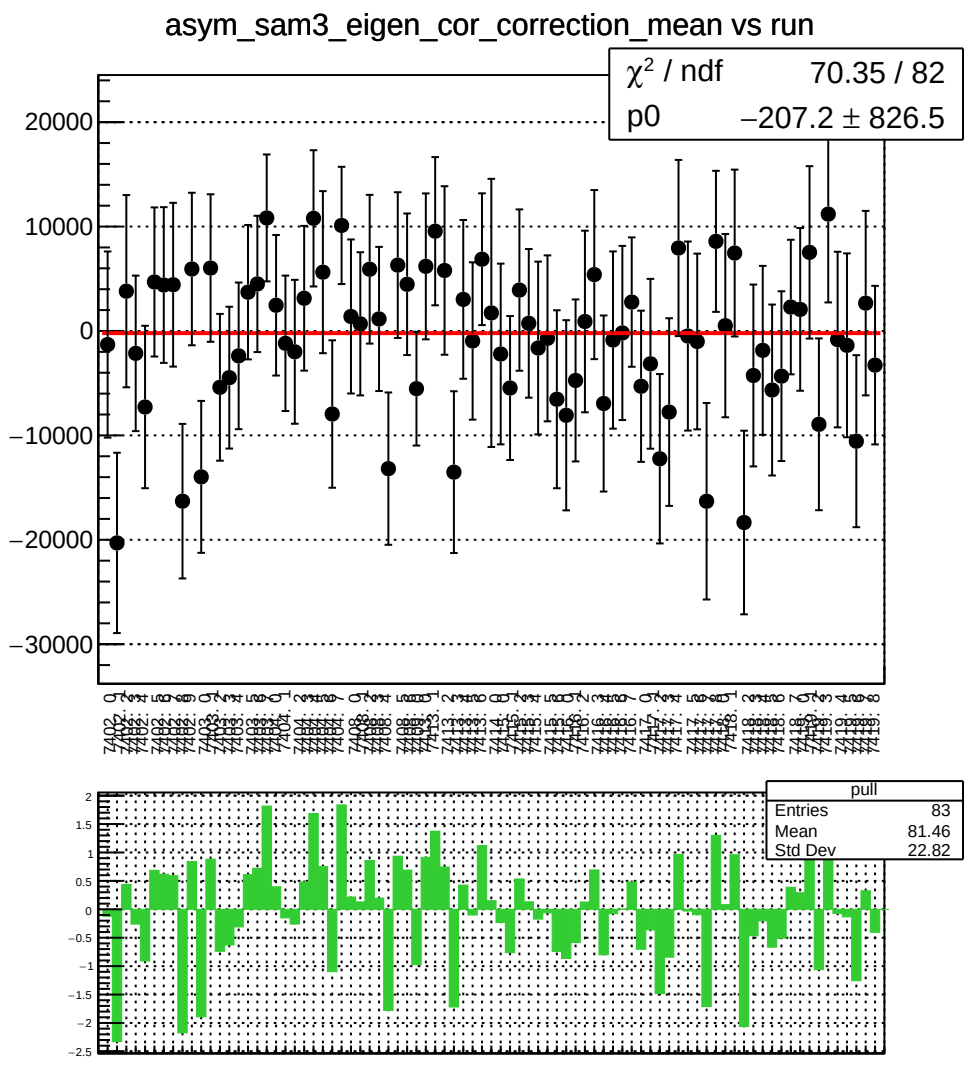
asym_sam3_cor_correction_rms vs run

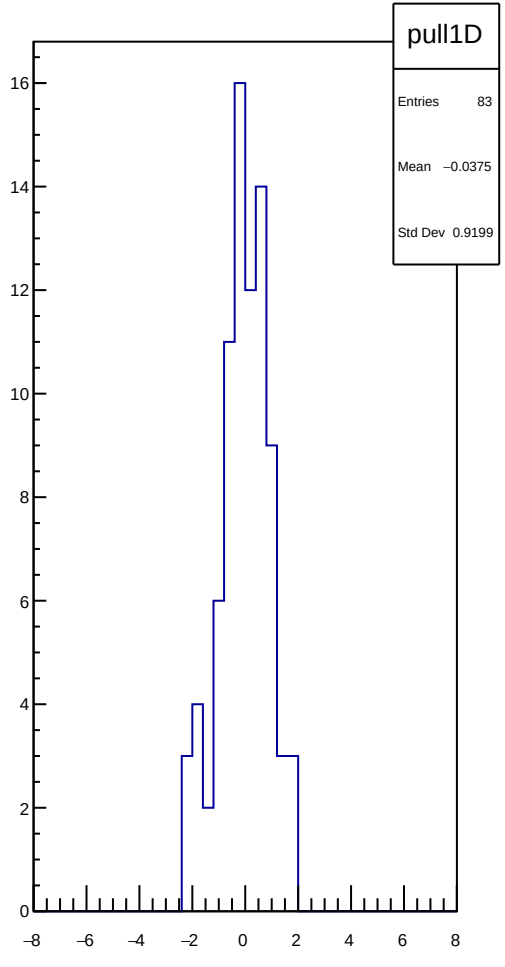


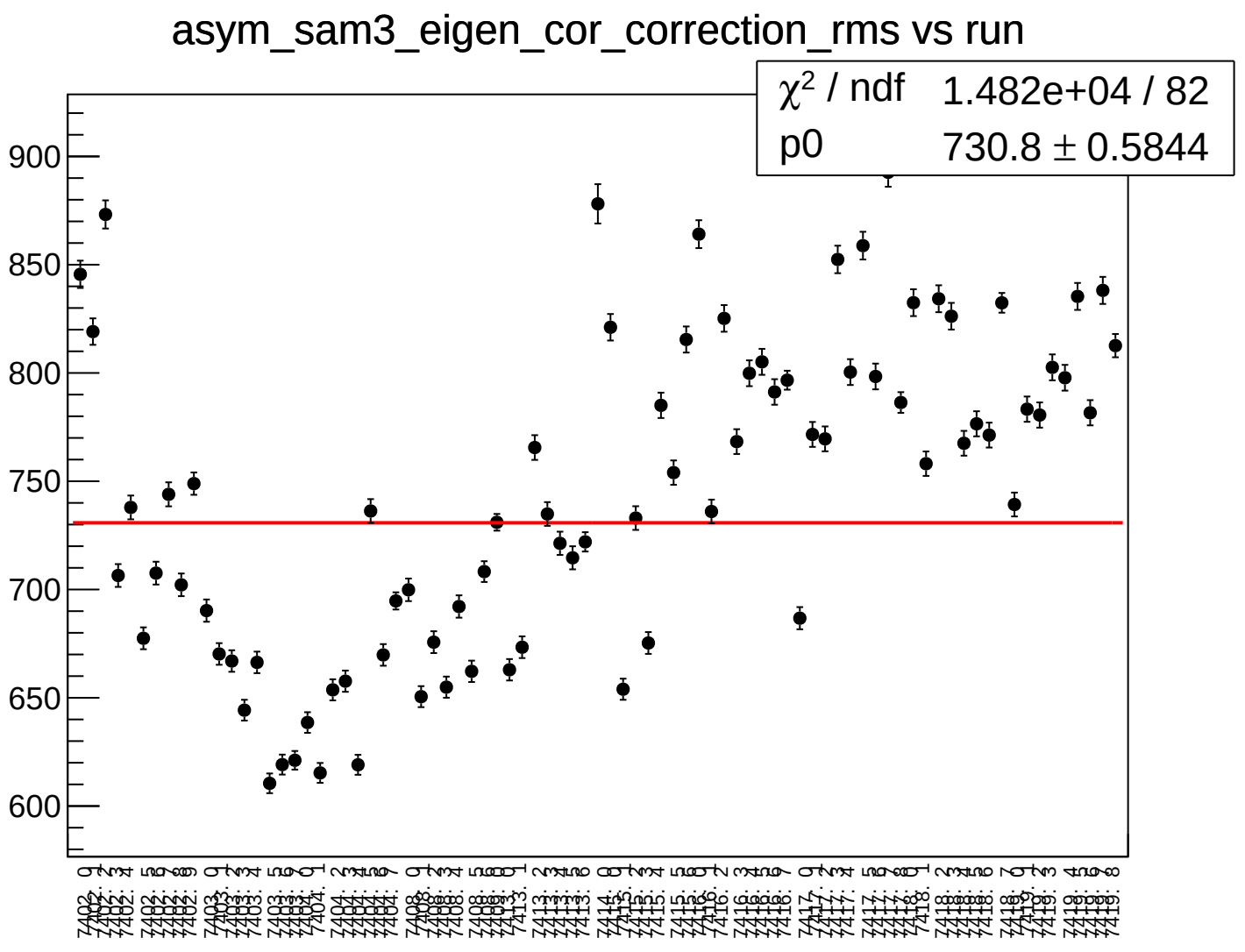

eigen_cor_asym_sam3_mean vs run
χ^2 / ndf 81.25 / 82
p0 1.15 ± 109.4
pull
Entries 83
Mean 237.9
Std Dev 0

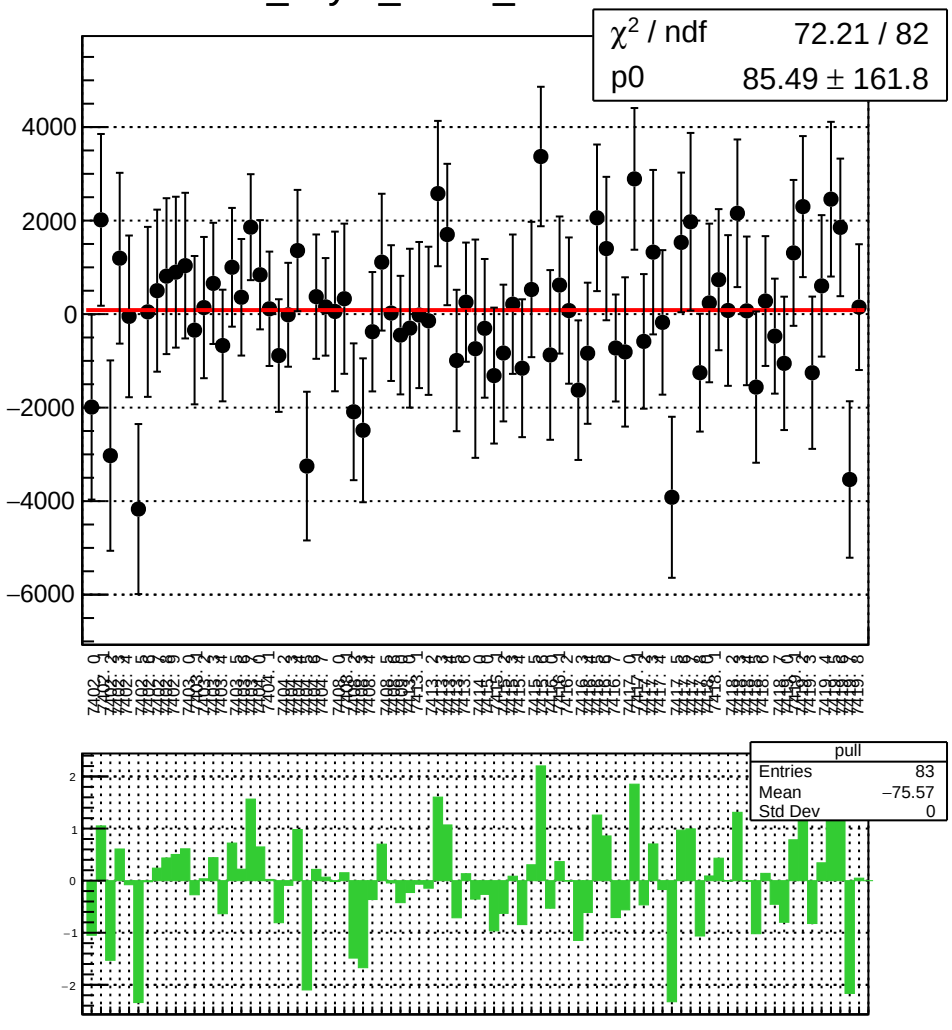

pull1D
Entries 83
Mean 0.01975
Std Dev 0.9892

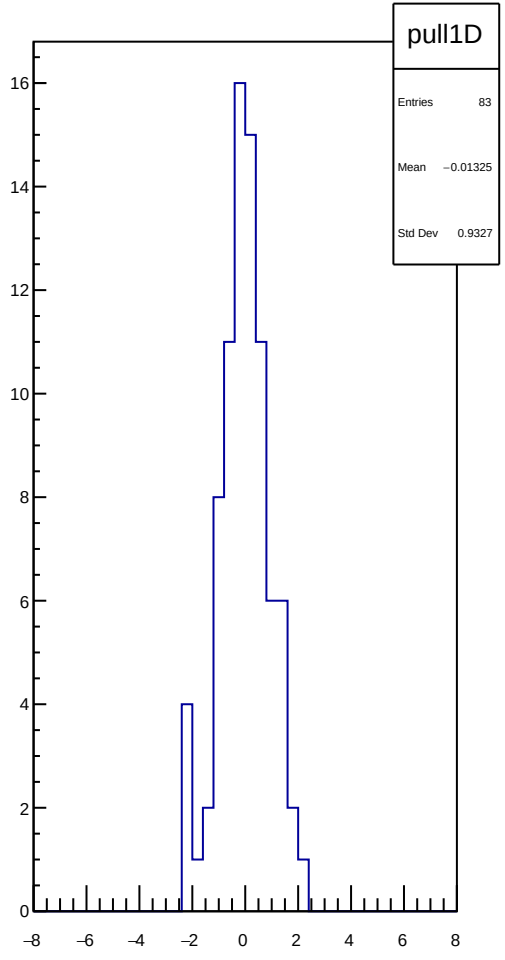

eigen_cor_asym_sam3_rms vs run
χ^2 / ndf 3.795e+04 / 82
p0 96.05 ± 0.07738
120
110
100
90
80
70
60

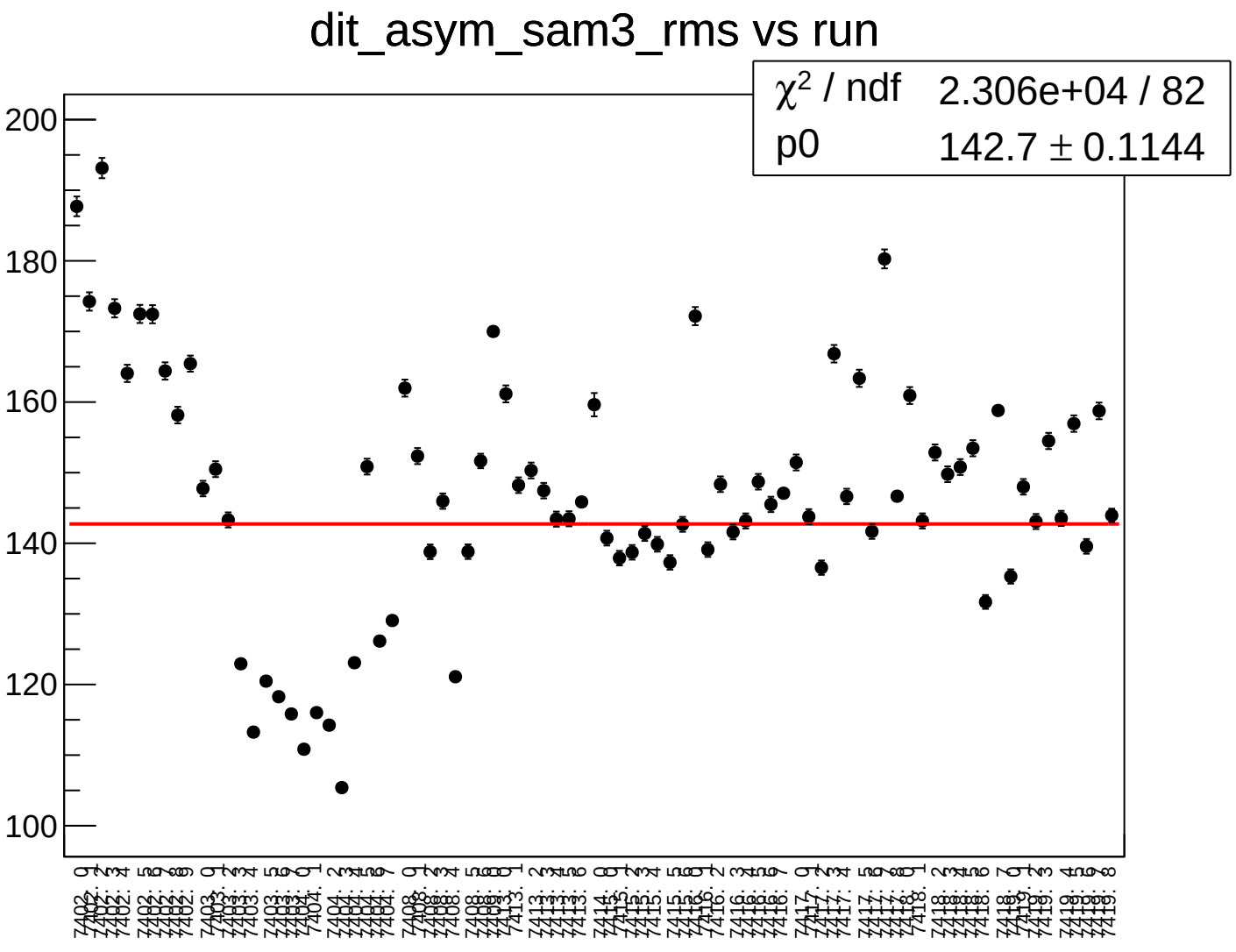

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 70.35 / 82
p0 −207.2 ± 826.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 81.46
Std Dev 22.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

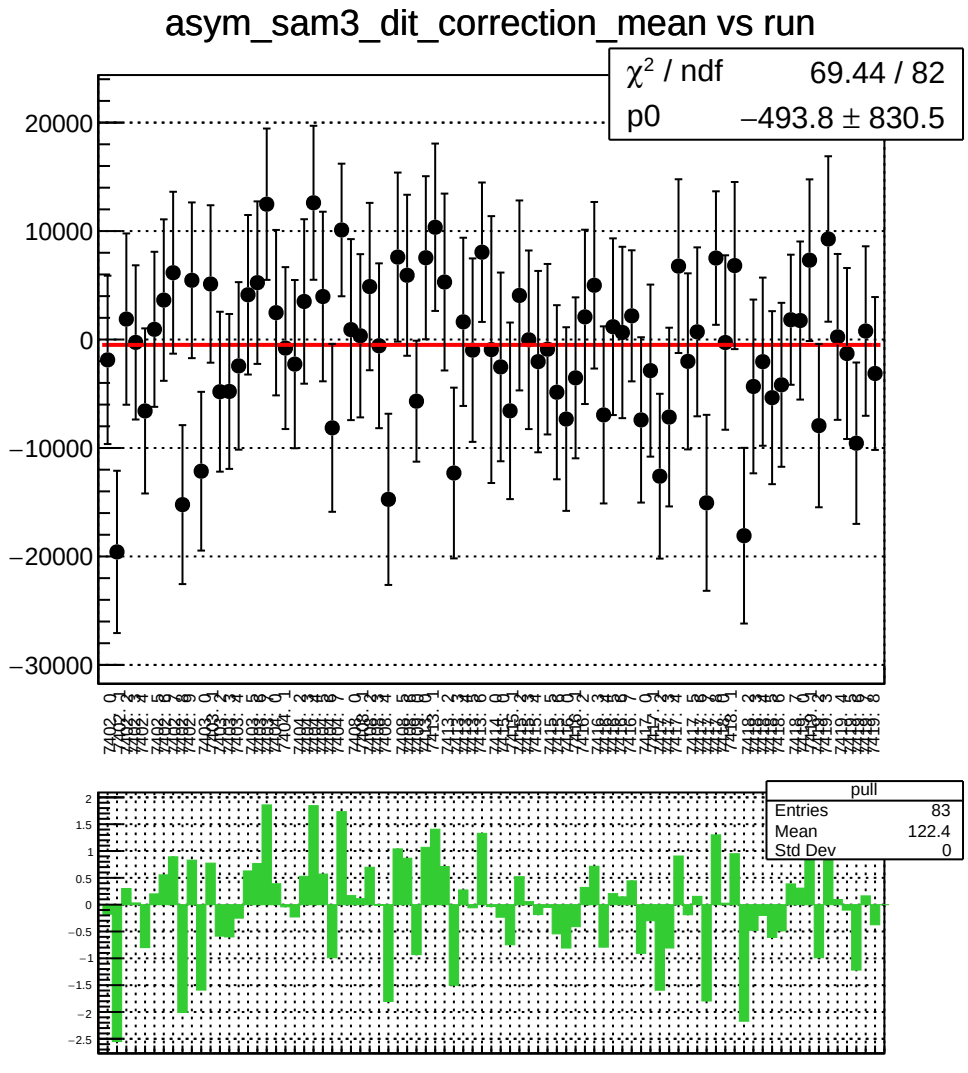

pull1D
Entries 83
Mean −0.0375
Std Dev 0.9199
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

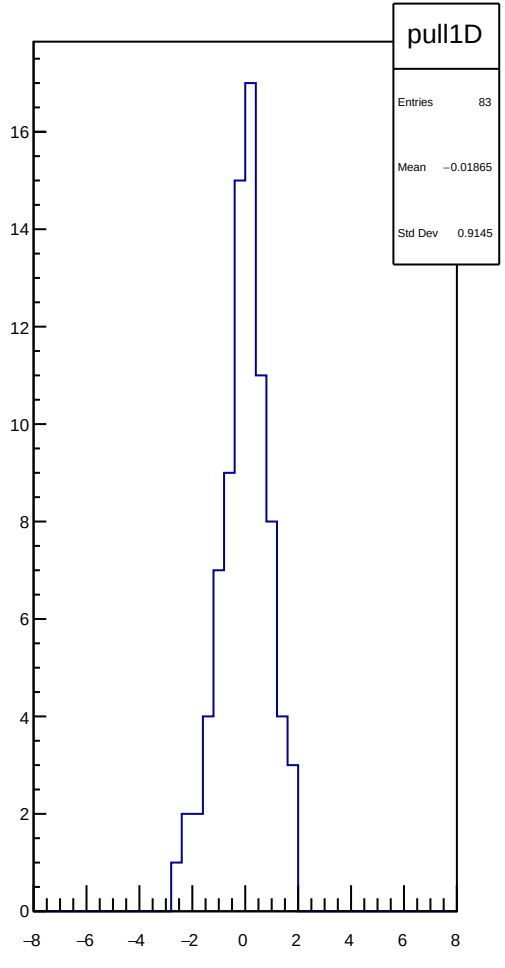

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1.482e+04 / 82
p0 730.8 ± 0.5844
900
850
800
750
700
650
600

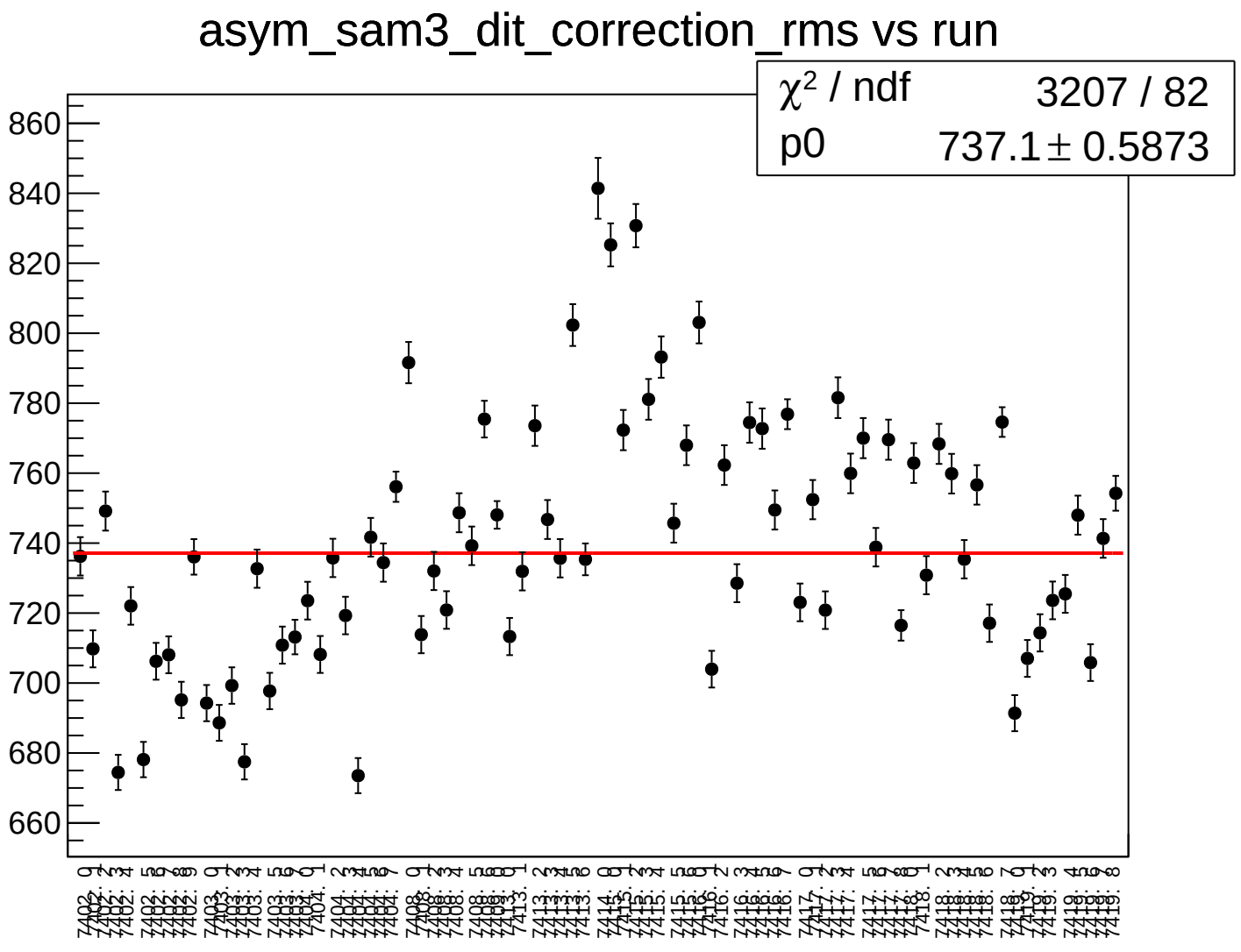

dit_asym_sam3_mean vs run
χ^2 / ndf 72.21 / 82
p0 85.49 ± 161.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean −75.57
Std Dev 0
2
1
0
−1
−2

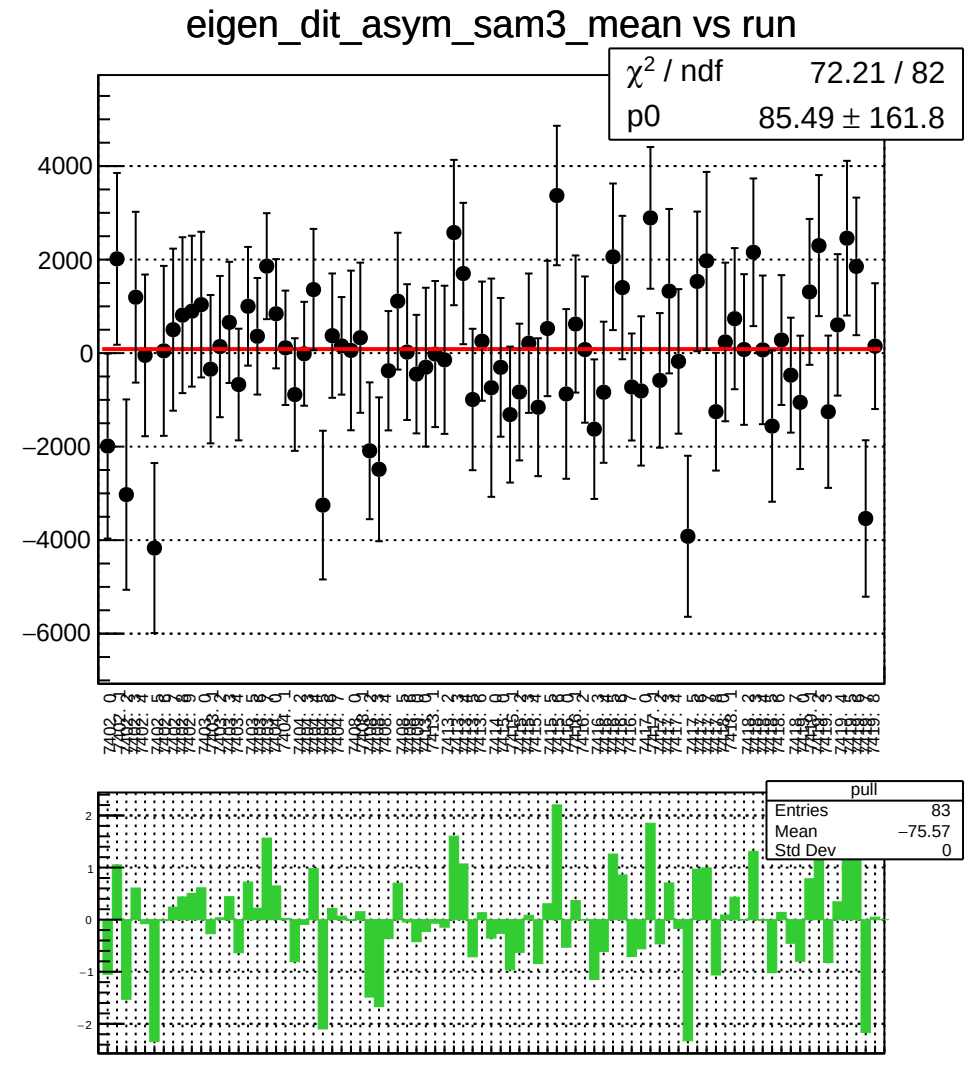

pull1D
Entries 83
Mean −0.01325
Std Dev 0.9327
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

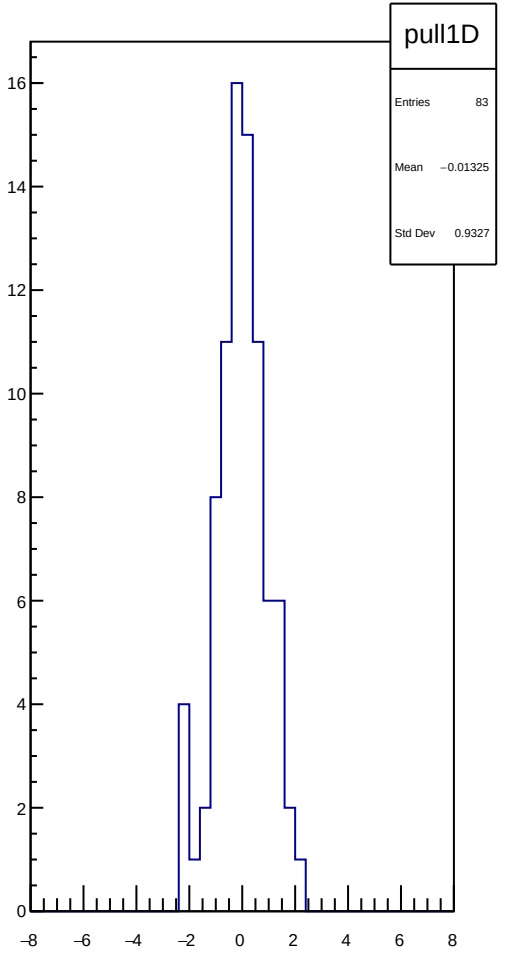

dit_asym_sam3_rms vs run
χ² / ndf 2.306e+04 / 82
p0 142.7 ± 0.1144
200
180
160
140
120
100

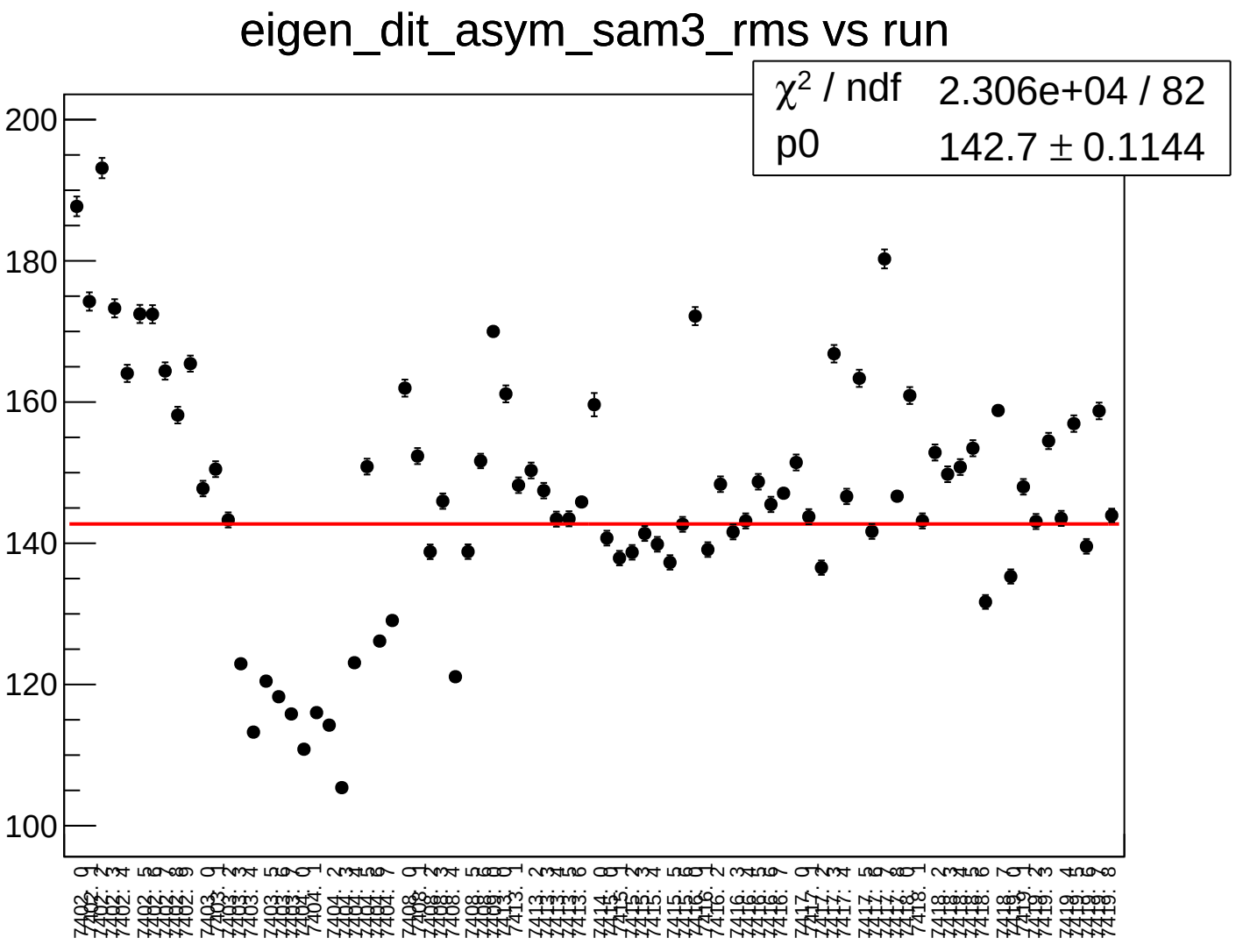

asym_sam3_dit_correction_mean vs run
χ² / ndf 69.44 / 82
p0 −493.8 ± 830.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 122.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

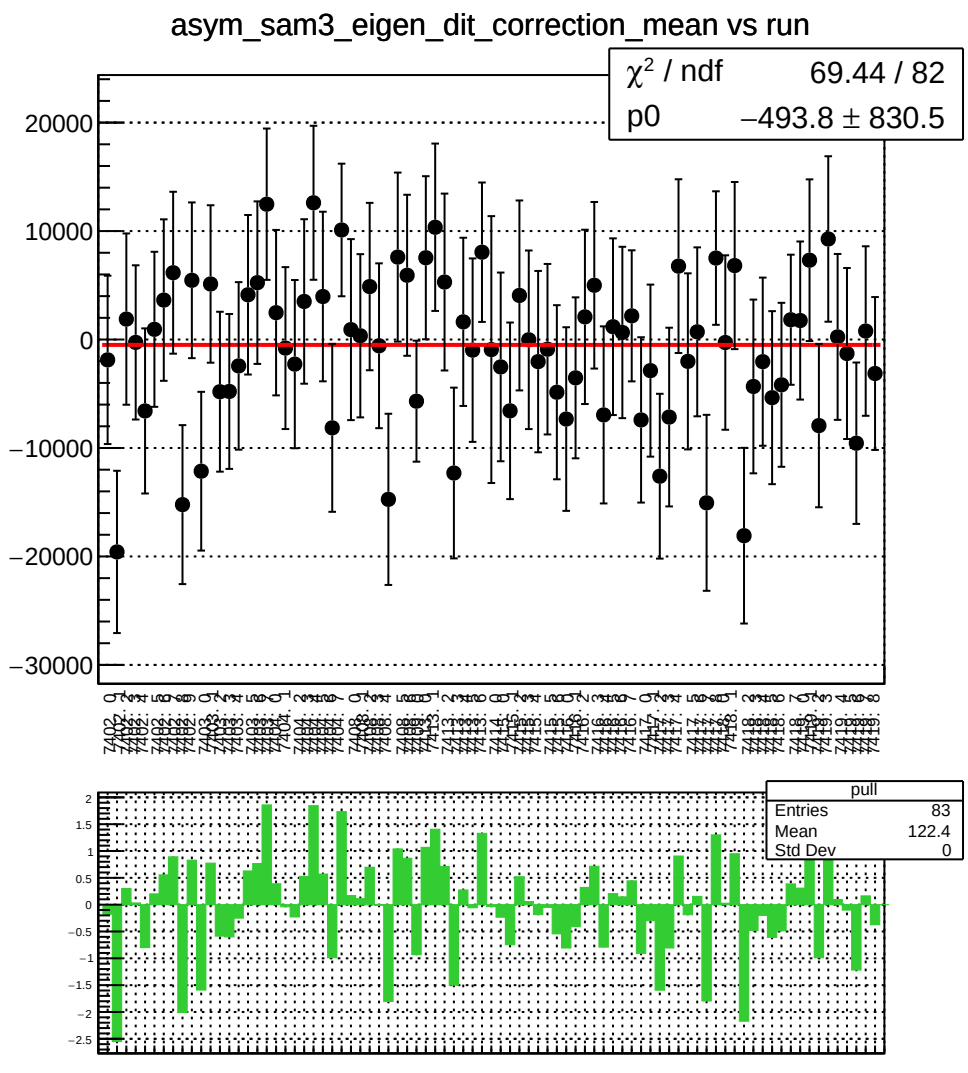

pull1D
Entries 83
Mean −0.01865
Std Dev 0.9145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

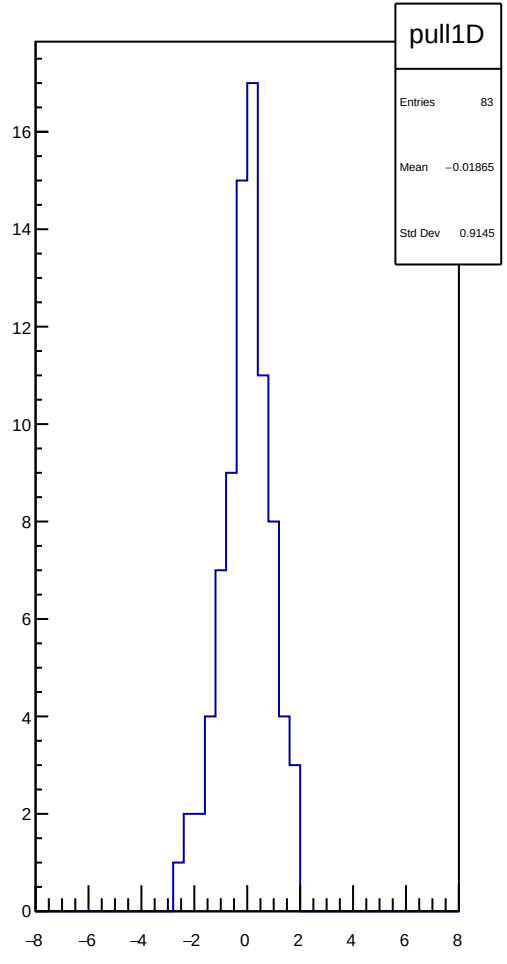

asym_sam3_dit_correction_rms vs run
χ² / ndf 3207 / 82
p0 737.1 ± 0.5873
860
840
820
800
780
760
740
720
700
680
660

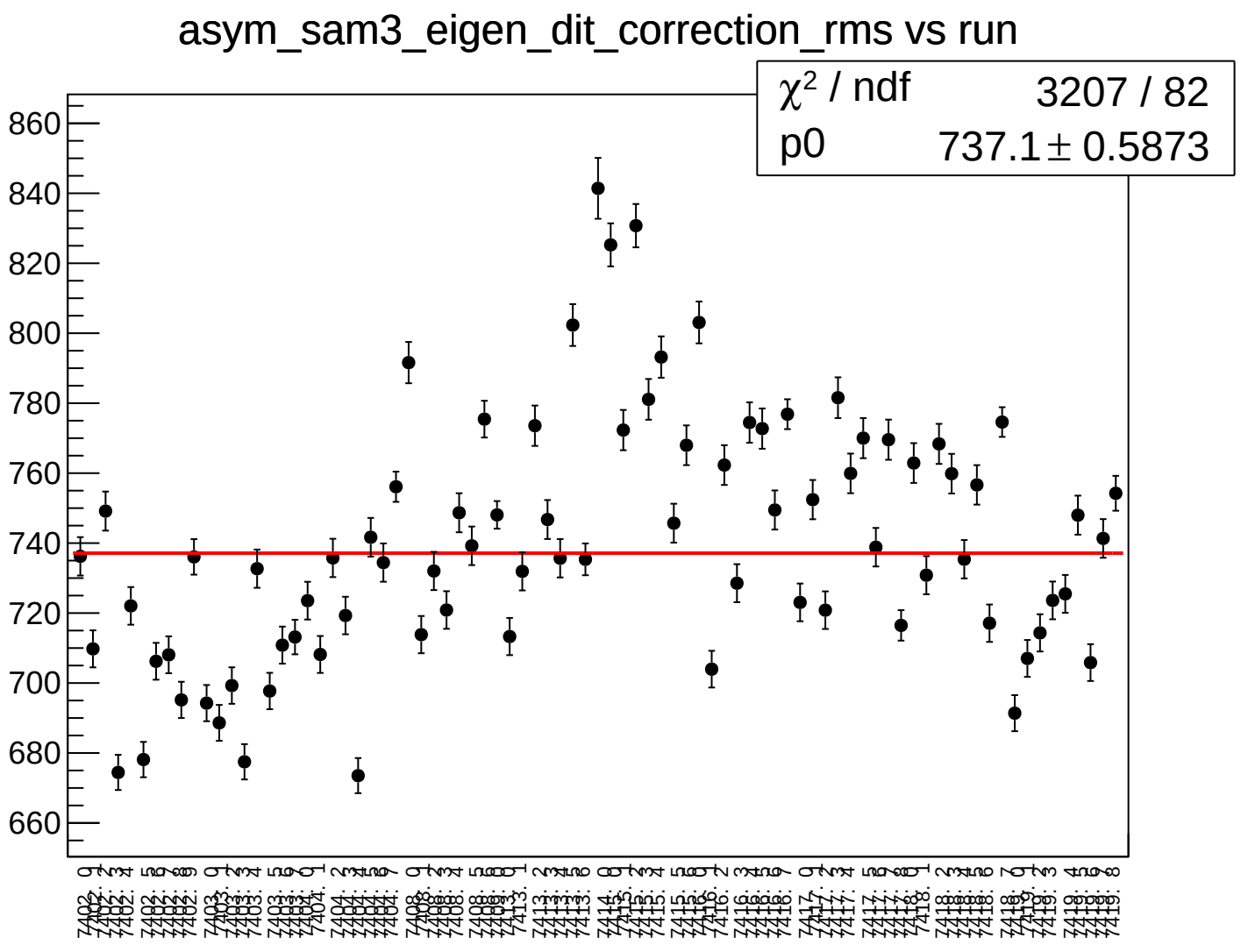

eigen_dit_asym_sam3_mean vs run
χ² / ndf 72.21 / 82
p0 85.49 ± 161.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean −75.57
Std Dev 0
2
1
0
−1
−2

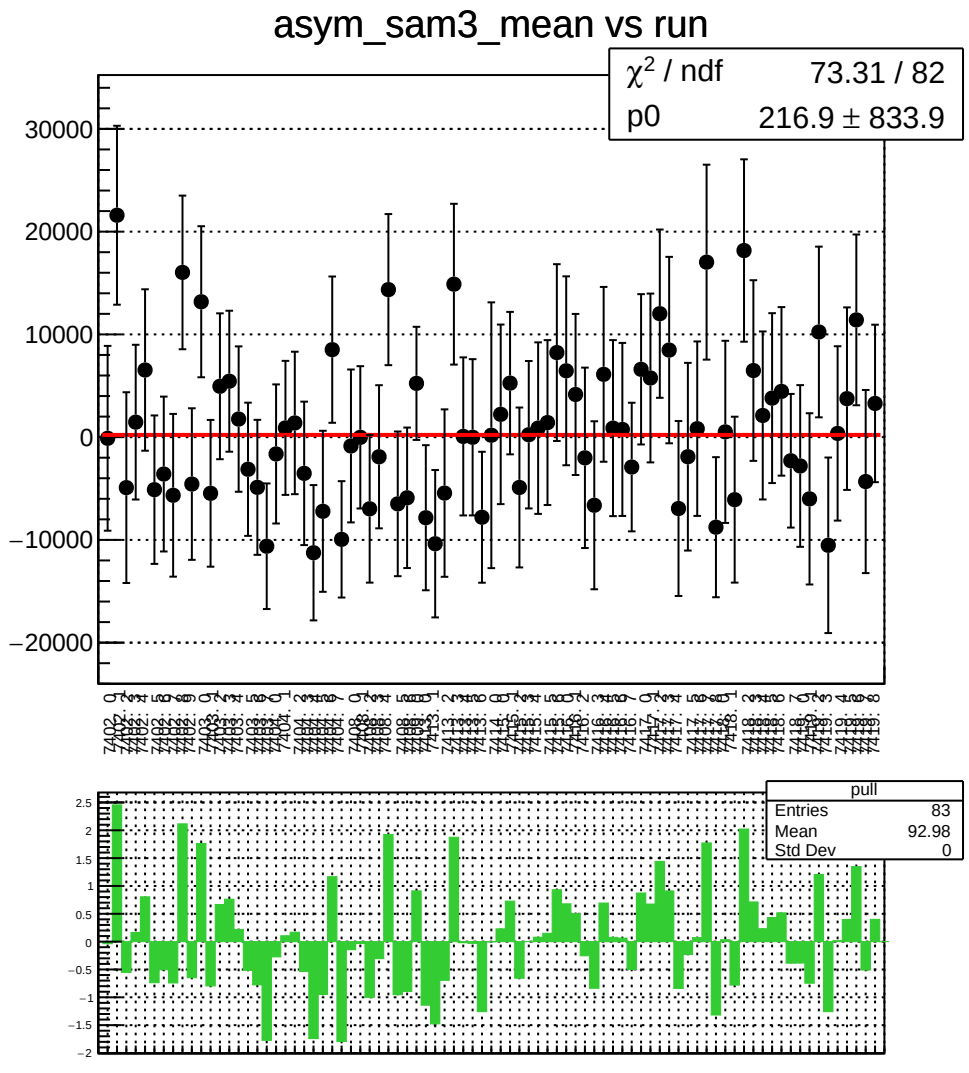

pull1D
Entries 83
Mean −0.01325
Std Dev 0.9327
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

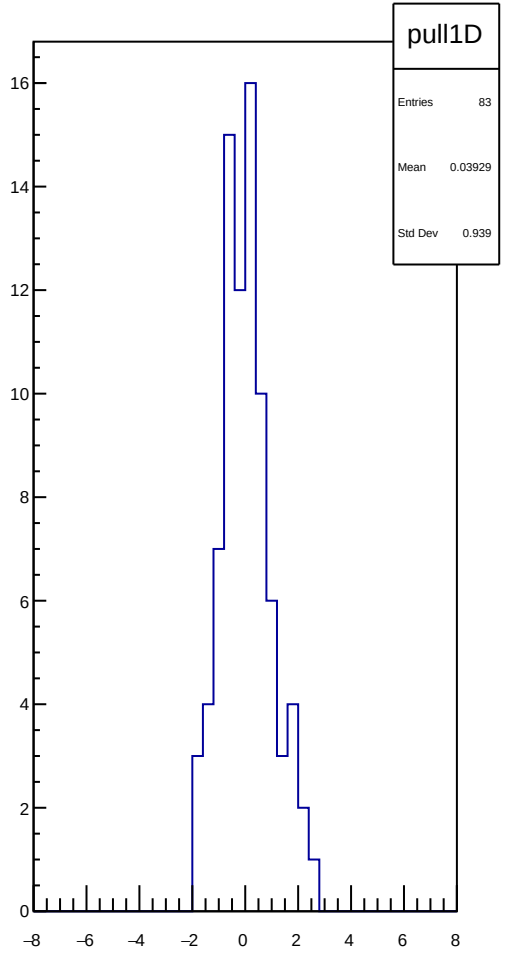

eigen_dit_asym_sam3_rms vs run
χ² / ndf 2.306e+04 / 82
p0 142.7 ± 0.1144
200
180
160
140
120
100

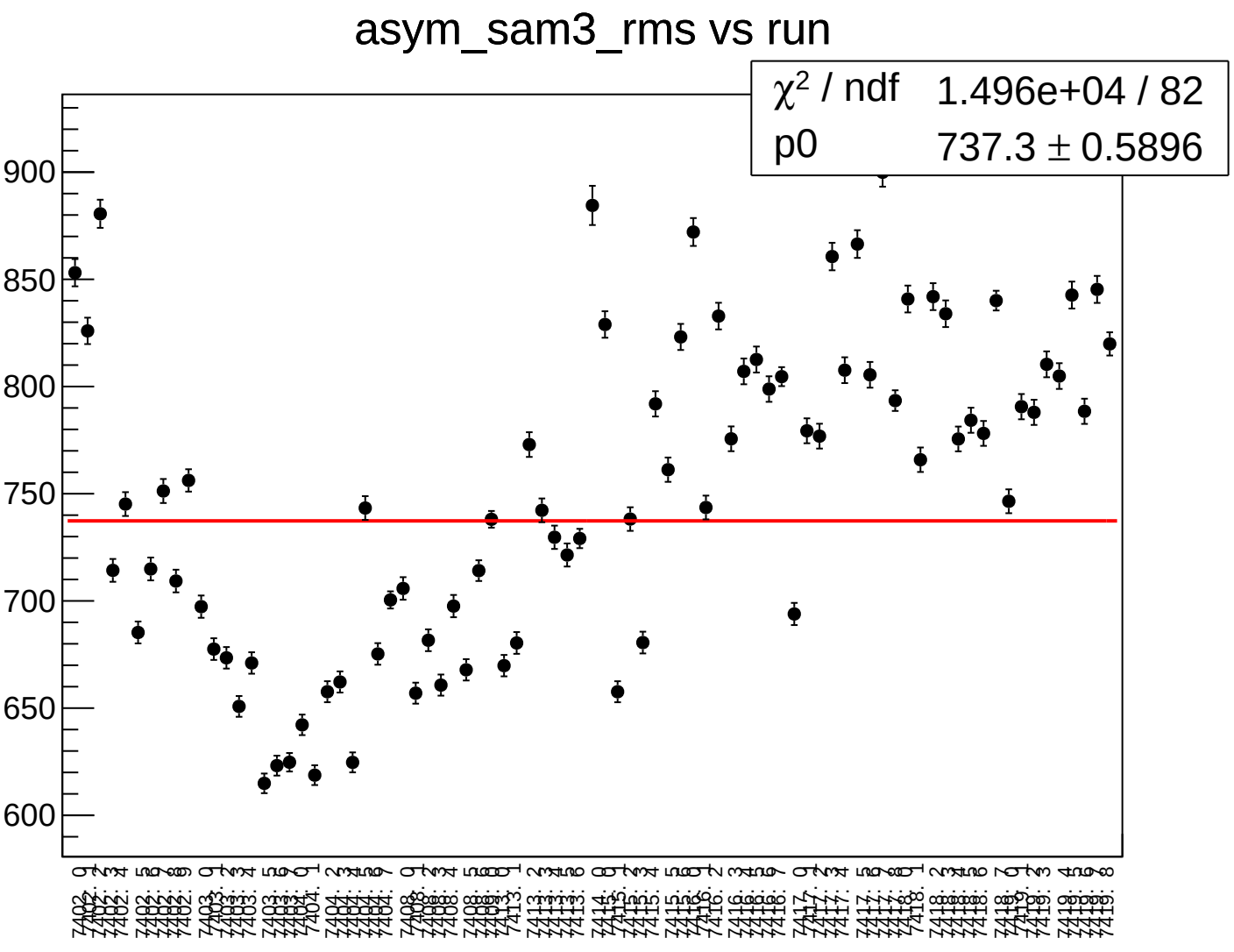

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 69.44 / 82
p0 −493.8 ± 830.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 122.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

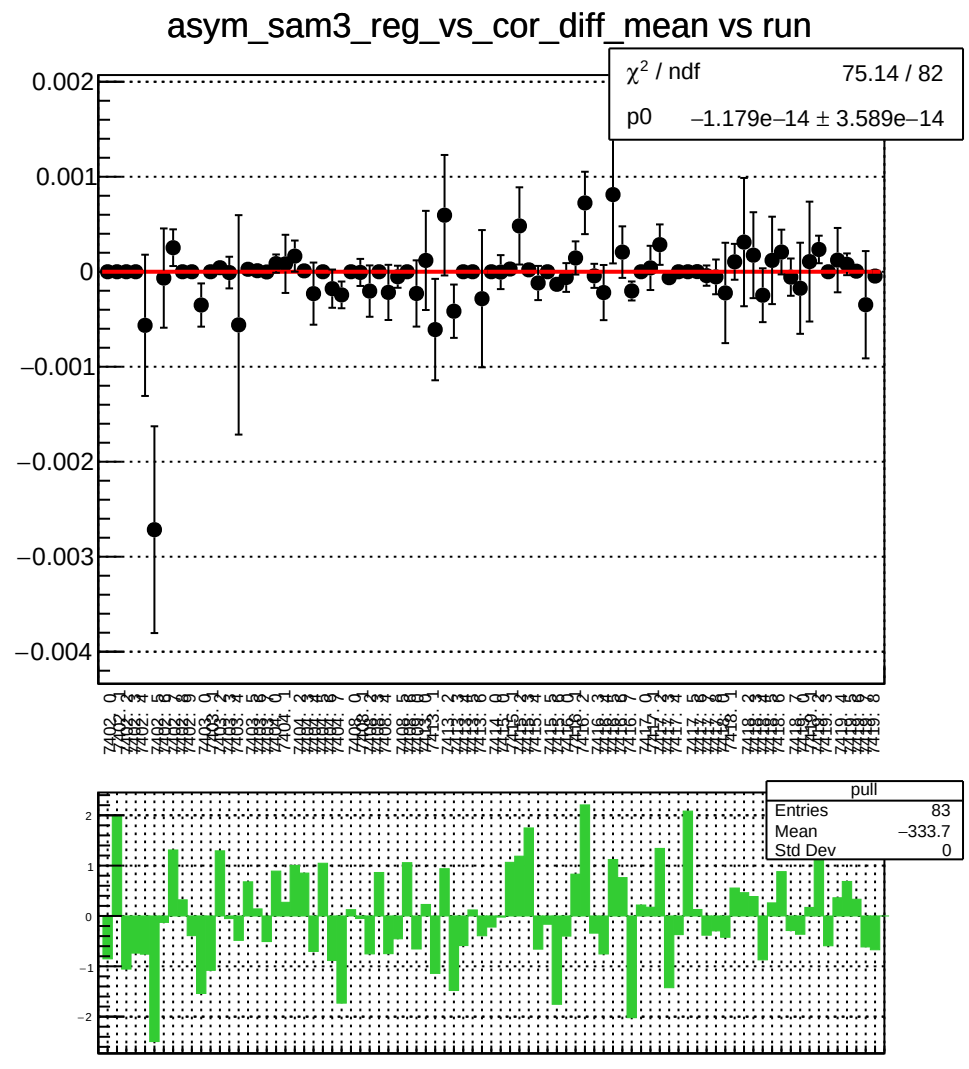

pull1D
Entries 83
Mean −0.01865
Std Dev 0.9145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

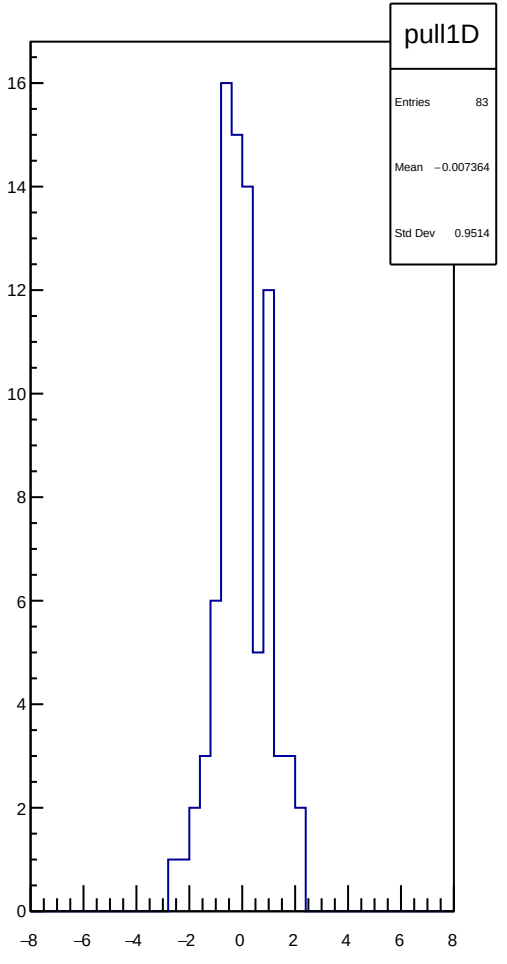

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 3207 / 82
p0 737.1 ± 0.5873
860
840
820
800
780
760
740
720
700
680
660

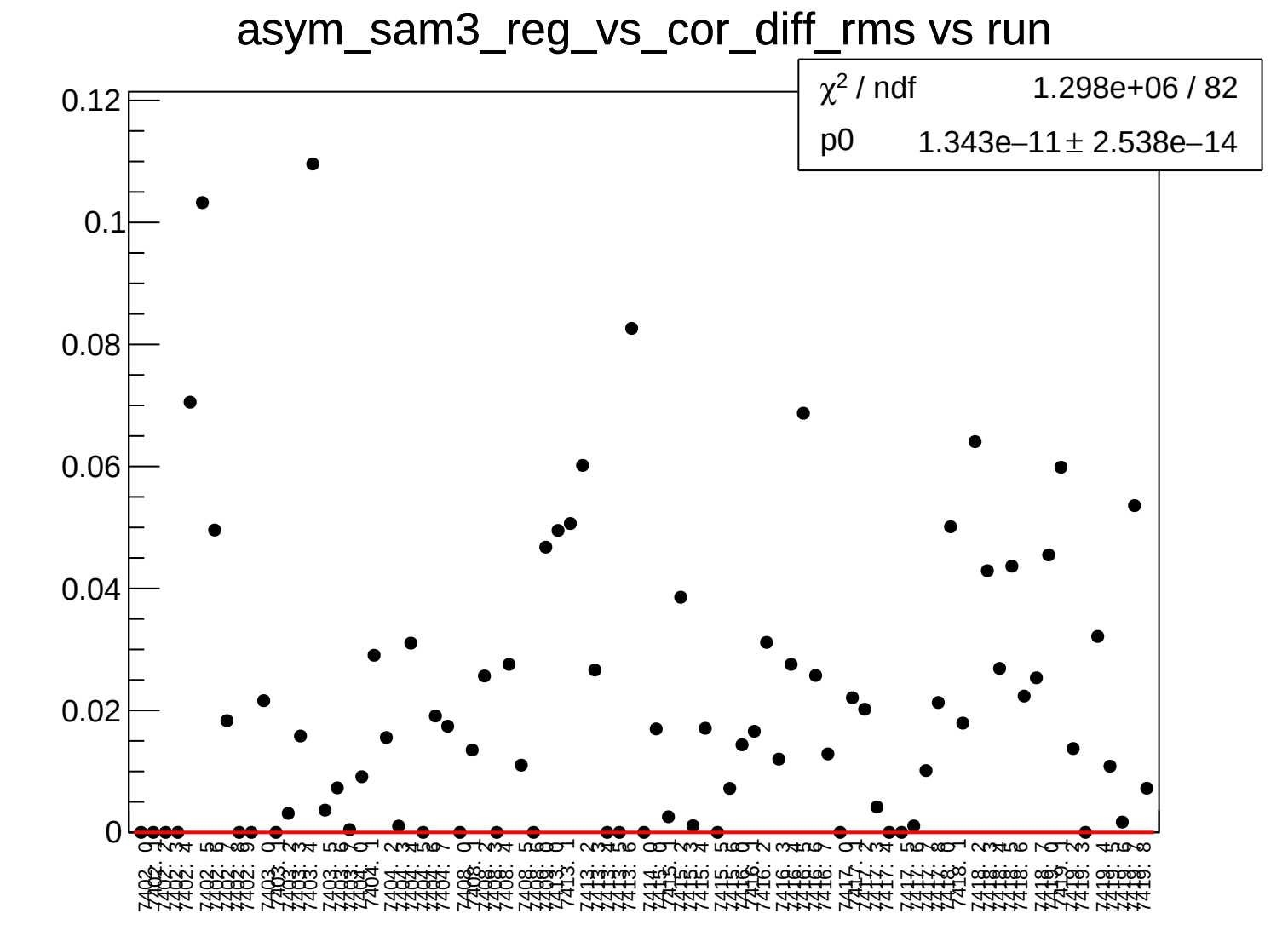

asym_sam3_mean vs run
χ² / ndf 73.31 / 82
p0 216.9 ± 833.9
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 92.98
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

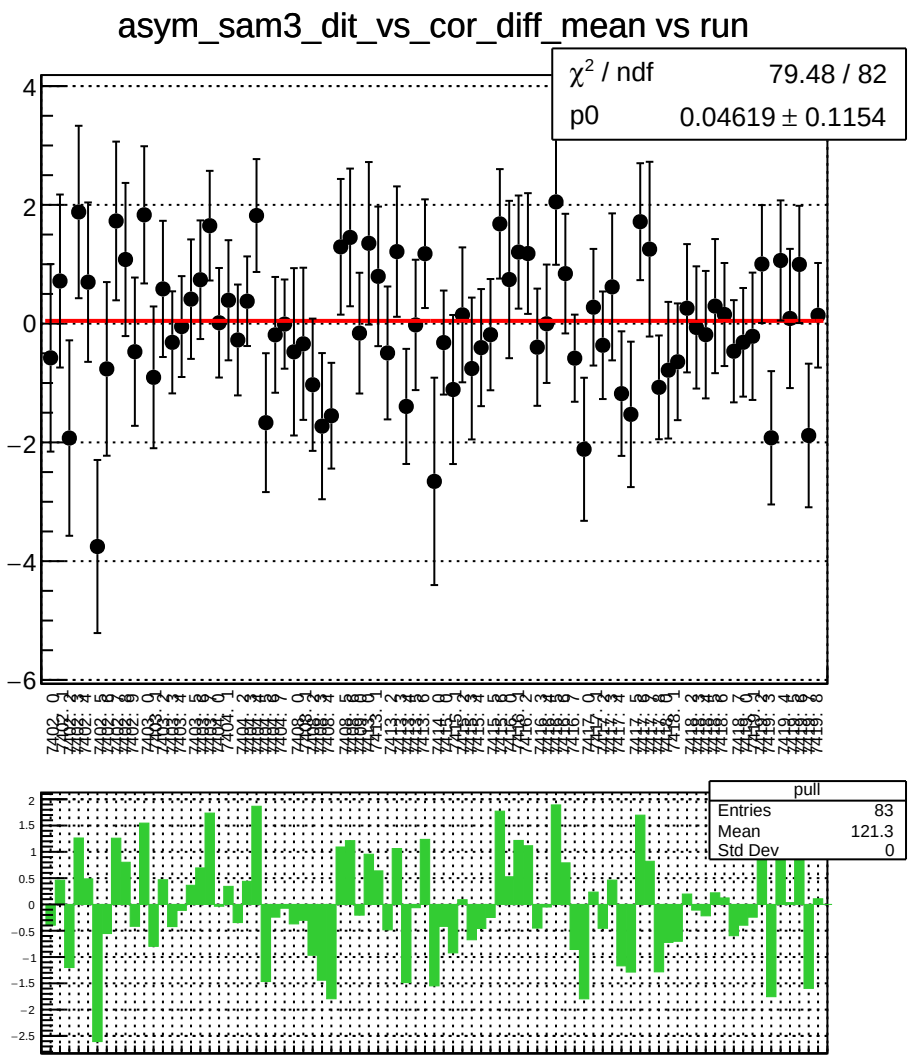

pull1D
Entries 83
Mean 0.03929
Std Dev 0.939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

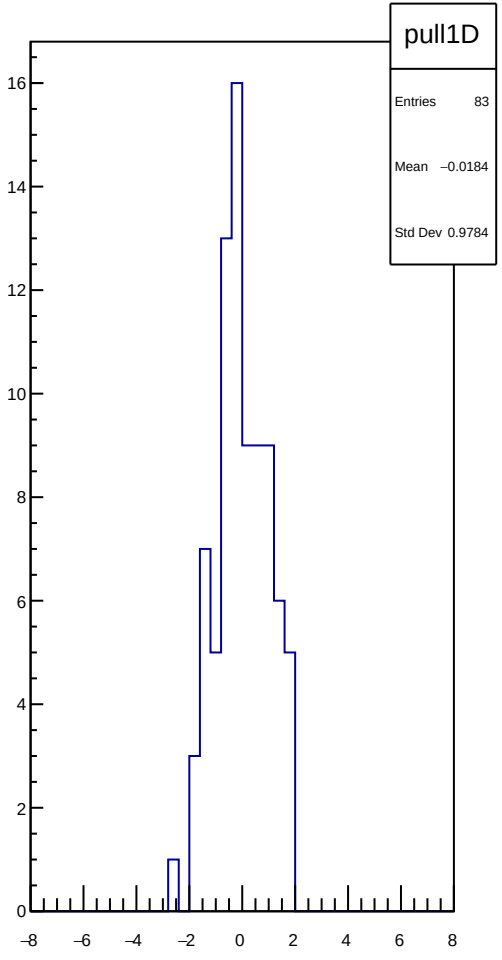

asym_sam3_rms vs run
χ² / ndf 1.496e+04 / 82
p0 737.3 ± 0.5896
900
850
800
750
700
650
600

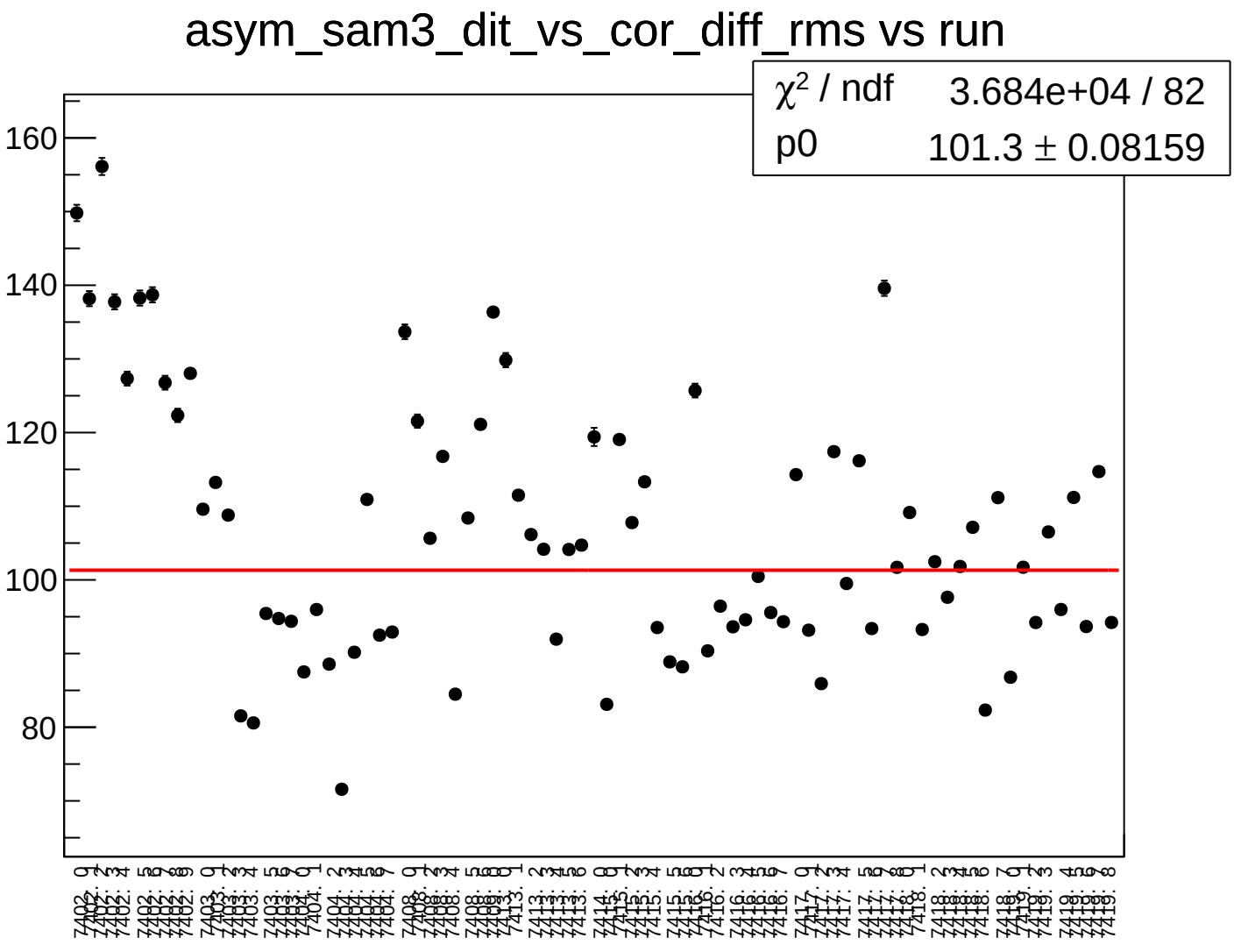

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 75.14 / 82
p0 −1.179e−14 ± 3.589e−14
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 83
Mean −333.7
Std Dev 0
2
1
0
−1
−2

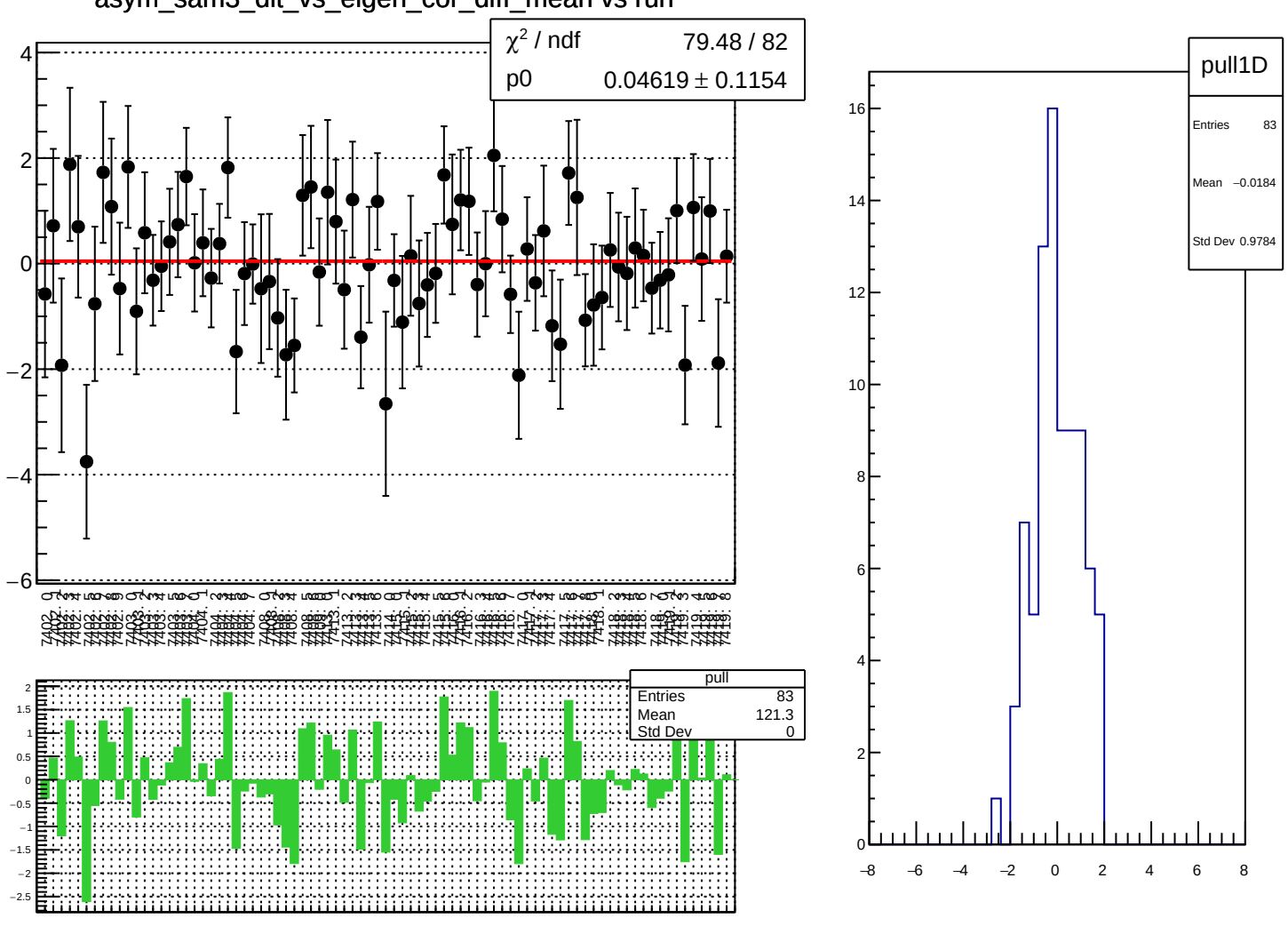

pull1D
Entries 83
Mean −0.007364
Std Dev 0.9514
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

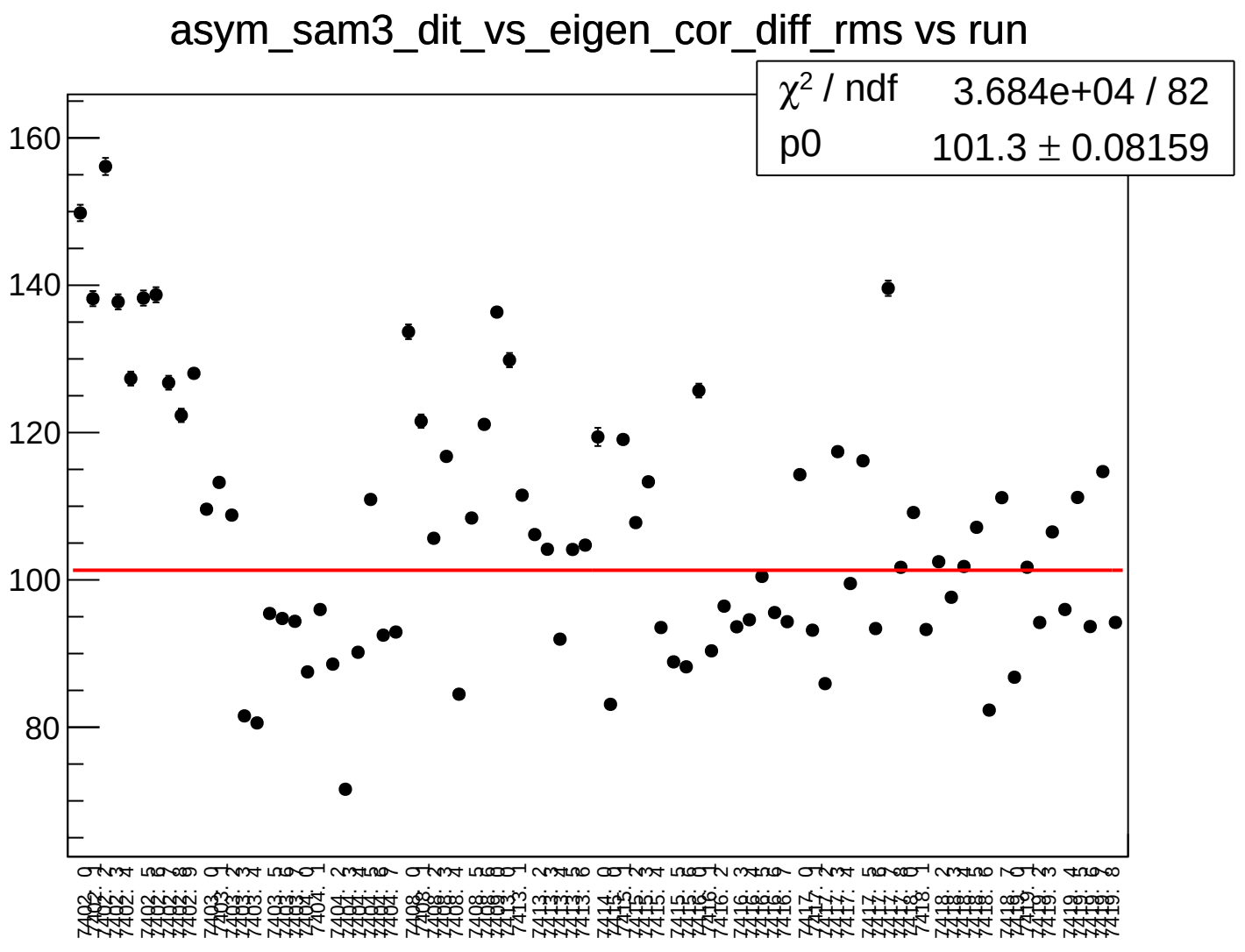

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 1.298e+06 / 82
p0 1.343e−11 ± 2.538e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

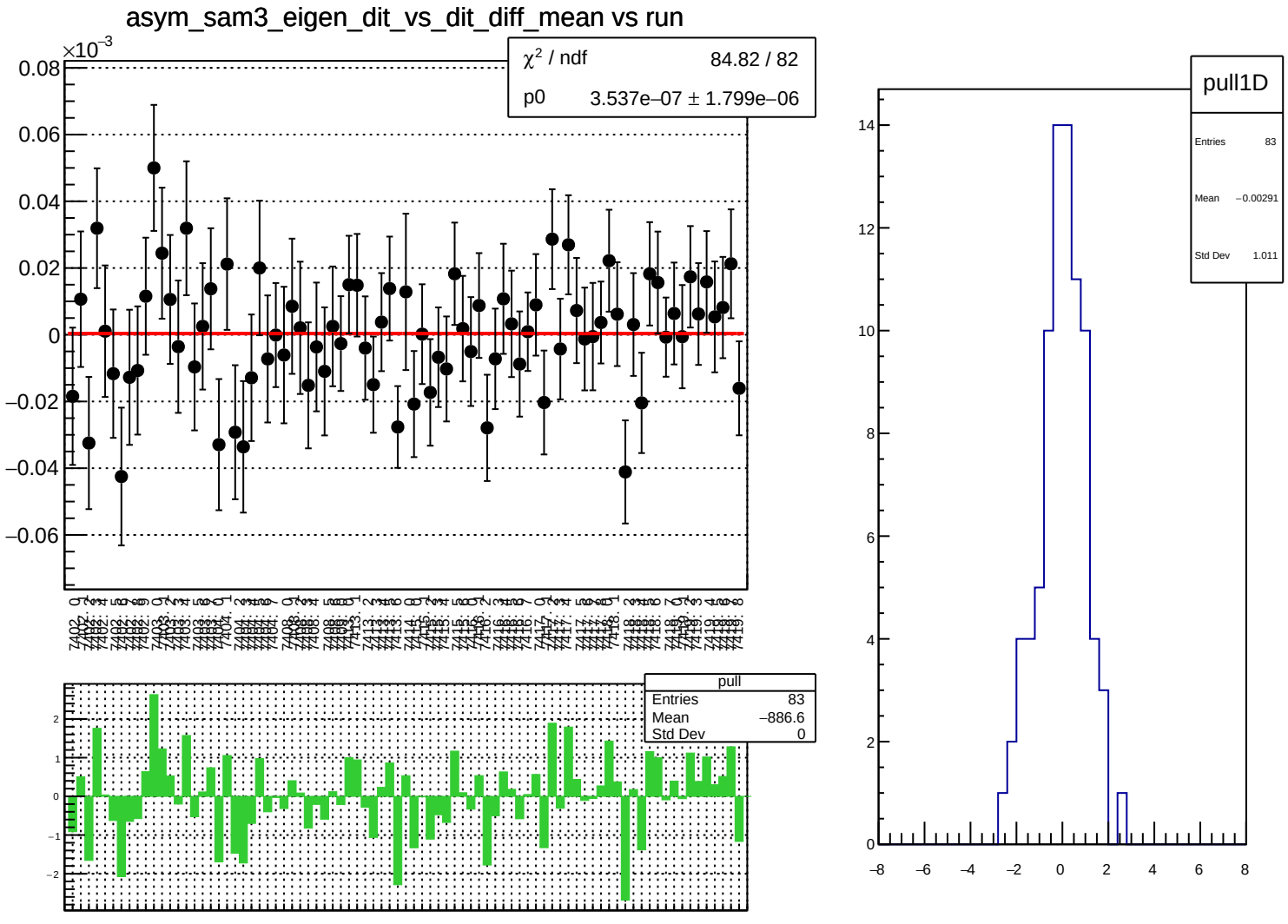

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 79.48 / 82
p0 0.04619 ± 0.1154
pull
Entries 83
Mean 121.3
Std Dev 0

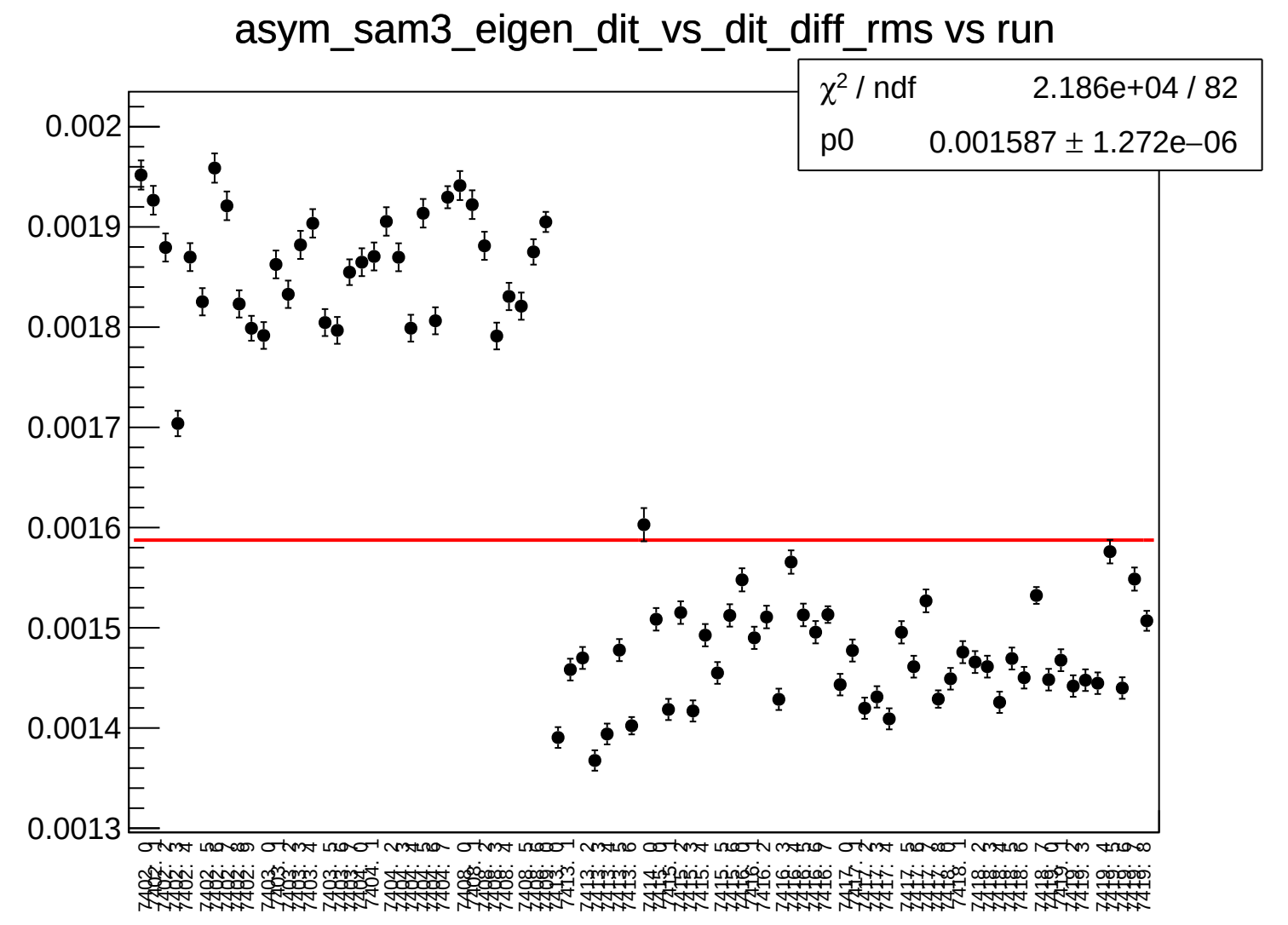

pull1D
Entries 83
Mean −0.0184
Std Dev 0.9784

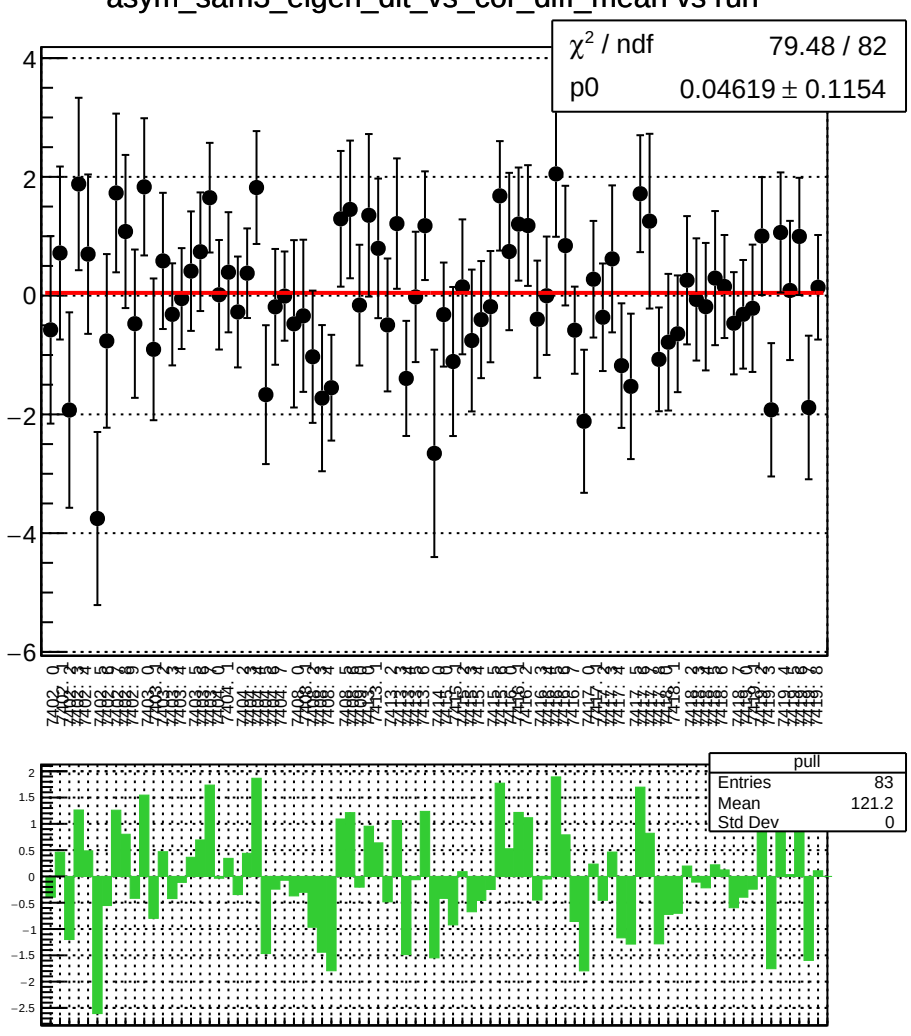

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 3.684e+04 / 82
p0 101.3 ± 0.08159
160
140
120
100
80

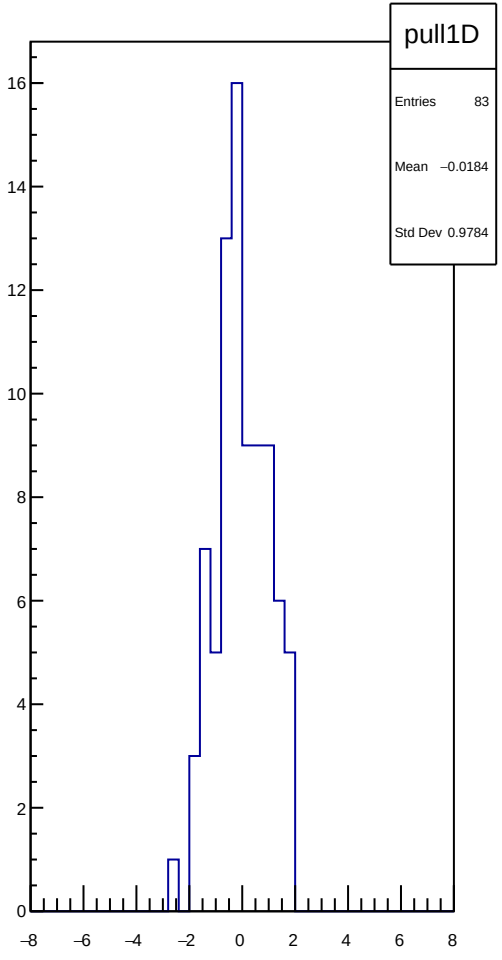

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.48 / 82
p0 0.04619 ± 0.1154
pull
Entries 83
Mean 121.3
Std Dev 0
pull1D
Entries 83
Mean −0.0184
Std Dev 0.9784

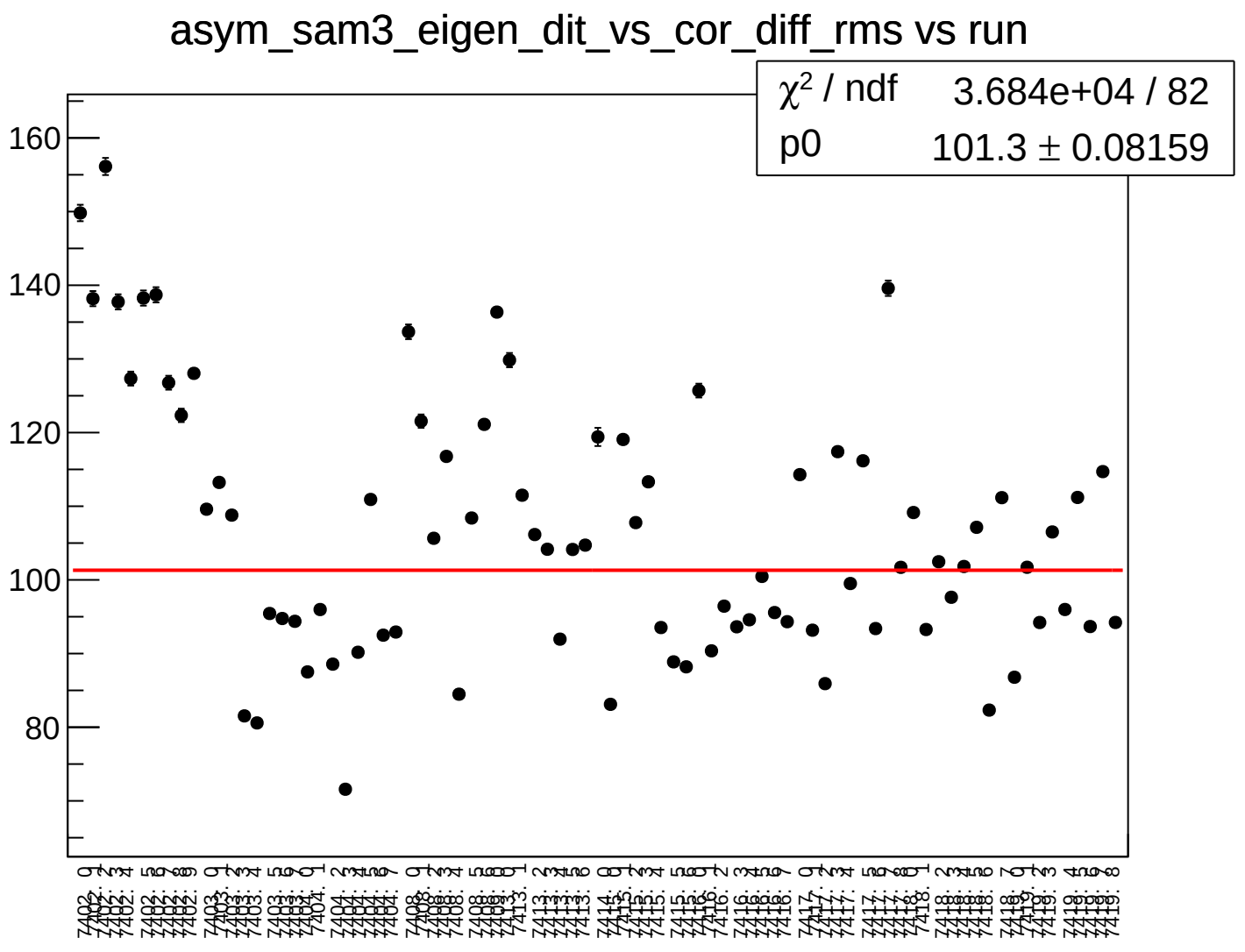

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.684e+04 / 82
p0 101.3 ± 0.08159
160
140
120
100
80

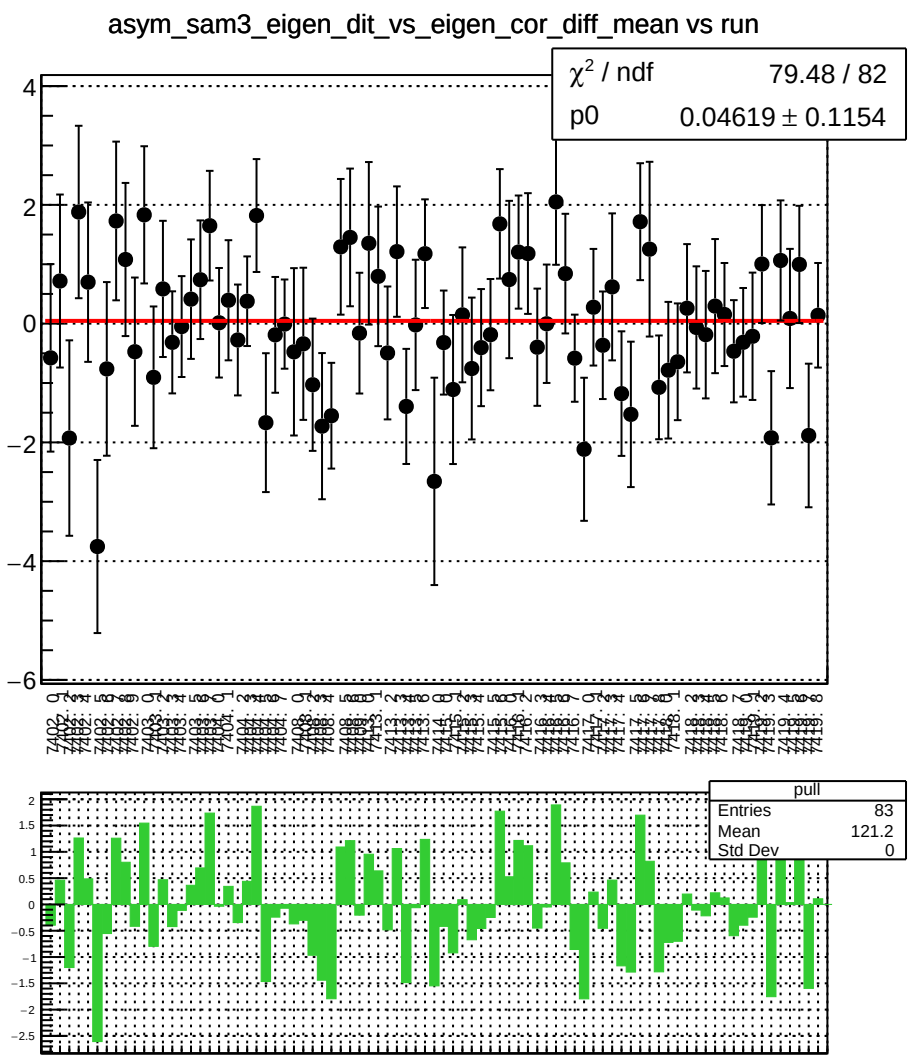

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.82 / 82
p0 3.537e−07 ± 1.799e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 83
Mean −886.6
Std Dev 0
pull1D
Entries 83
Mean −0.00291
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

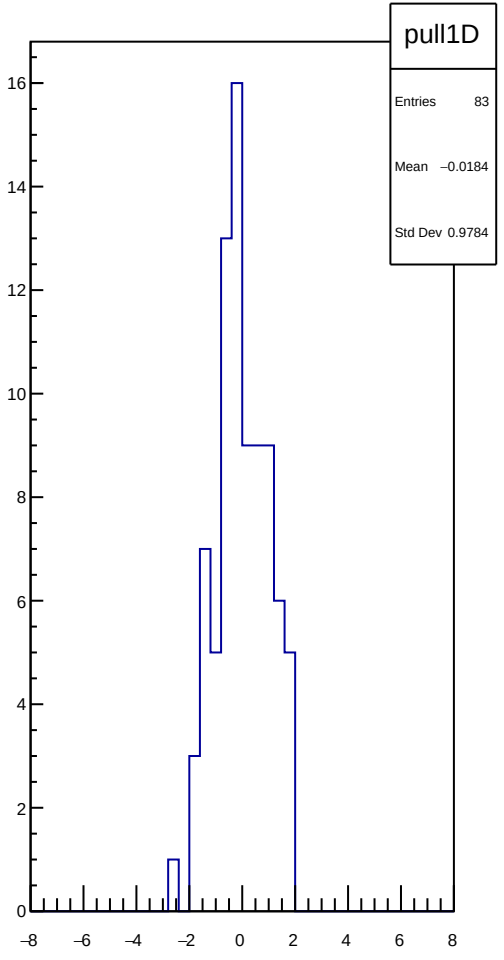

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.186e+04 / 82
p0 0.001587 ± 1.272e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

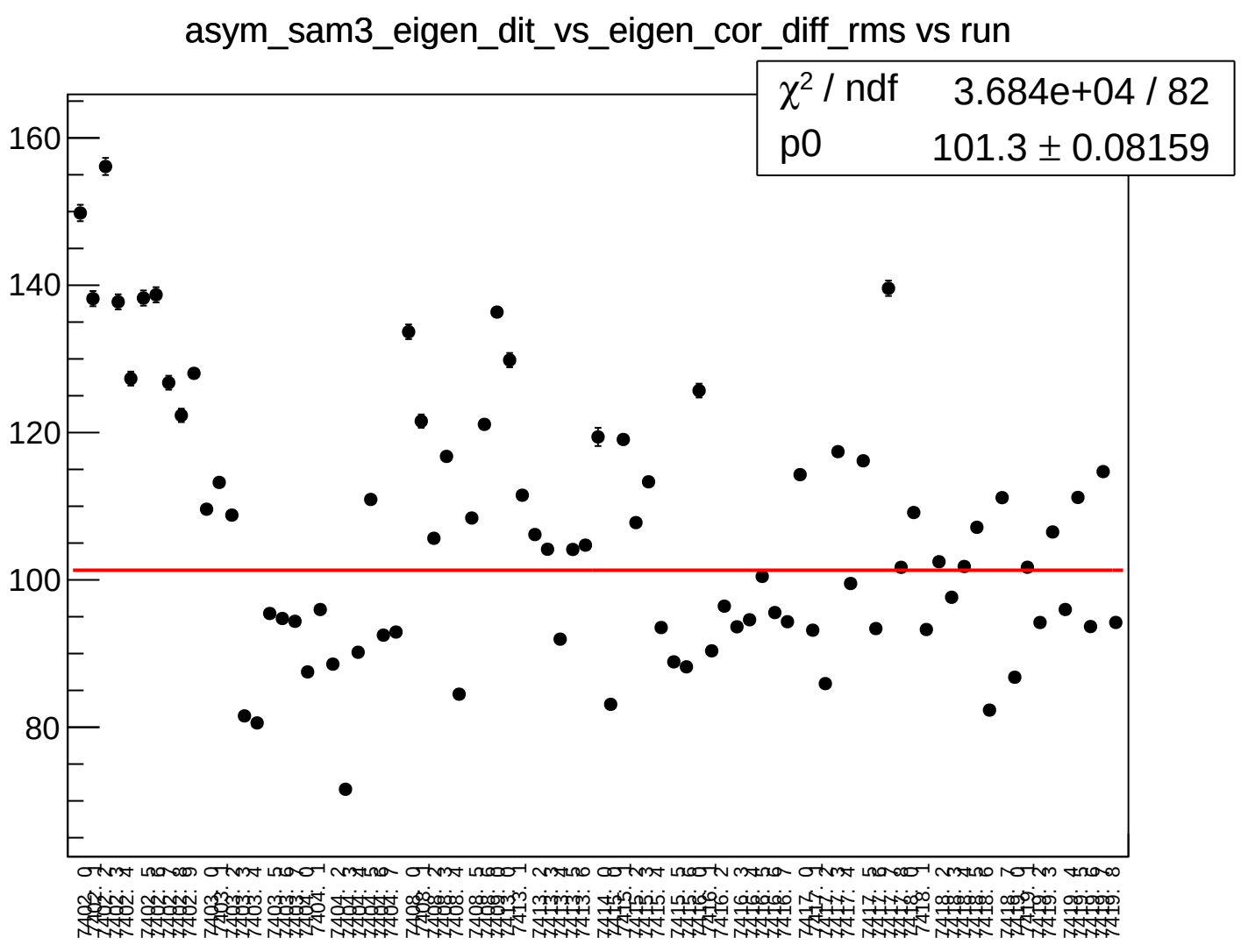

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.48 / 82
p0 0.04619 ± 0.1154
pull
Entries 83
Mean 121.2
Std Dev 0

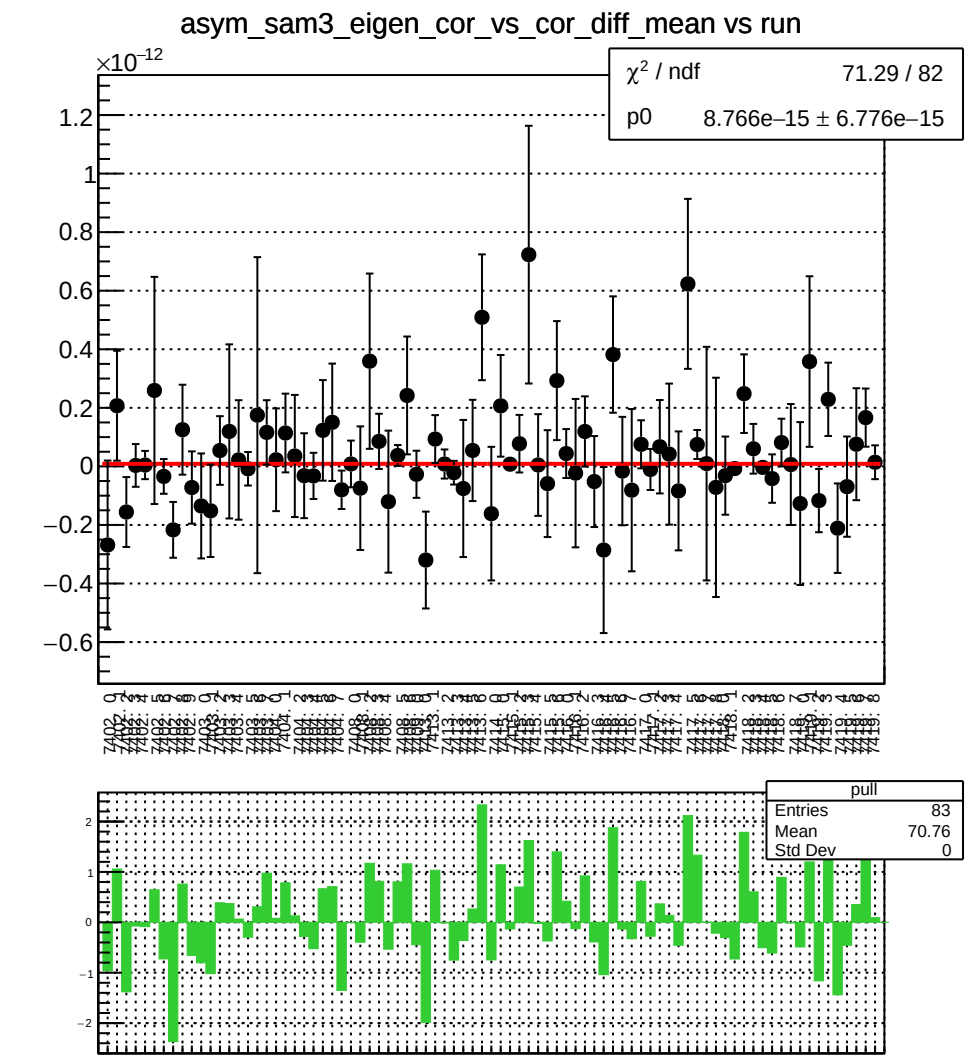

pull1D
Entries 83
Mean −0.0184
Std Dev 0.9784

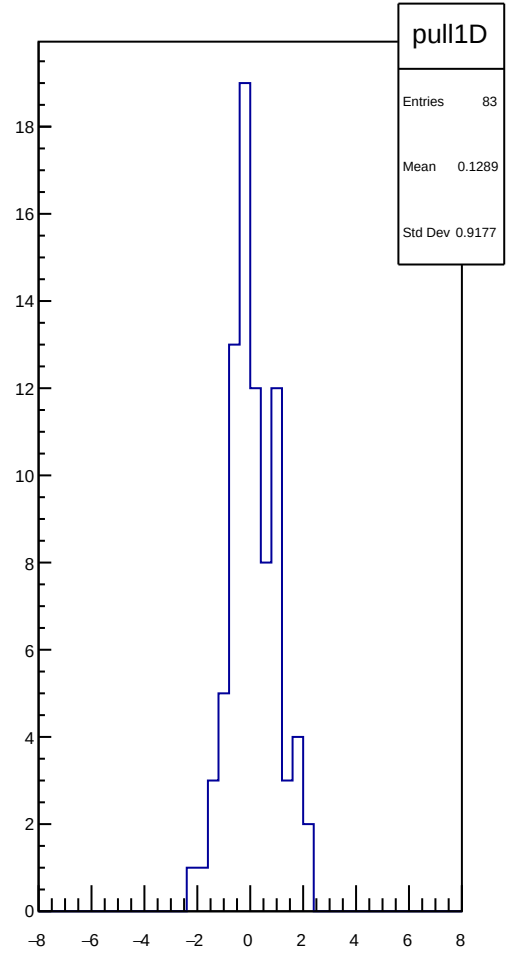

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.684e+04 / 82
p0 101.3 ± 0.08159
160
140
120
100
80

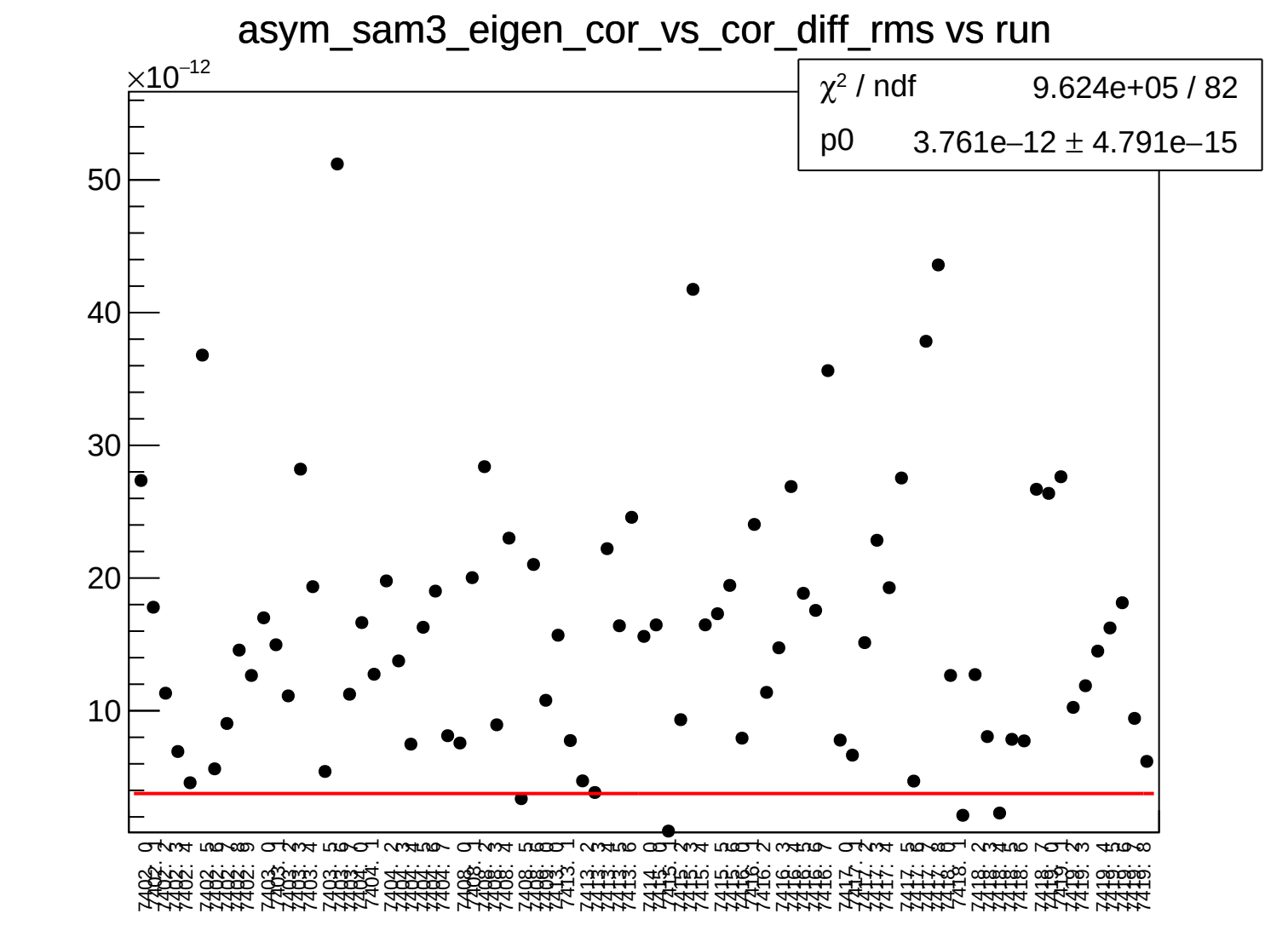

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.48 / 82
p0 0.04619 ± 0.1154
pull
Entries 83
Mean 121.2
Std Dev 0

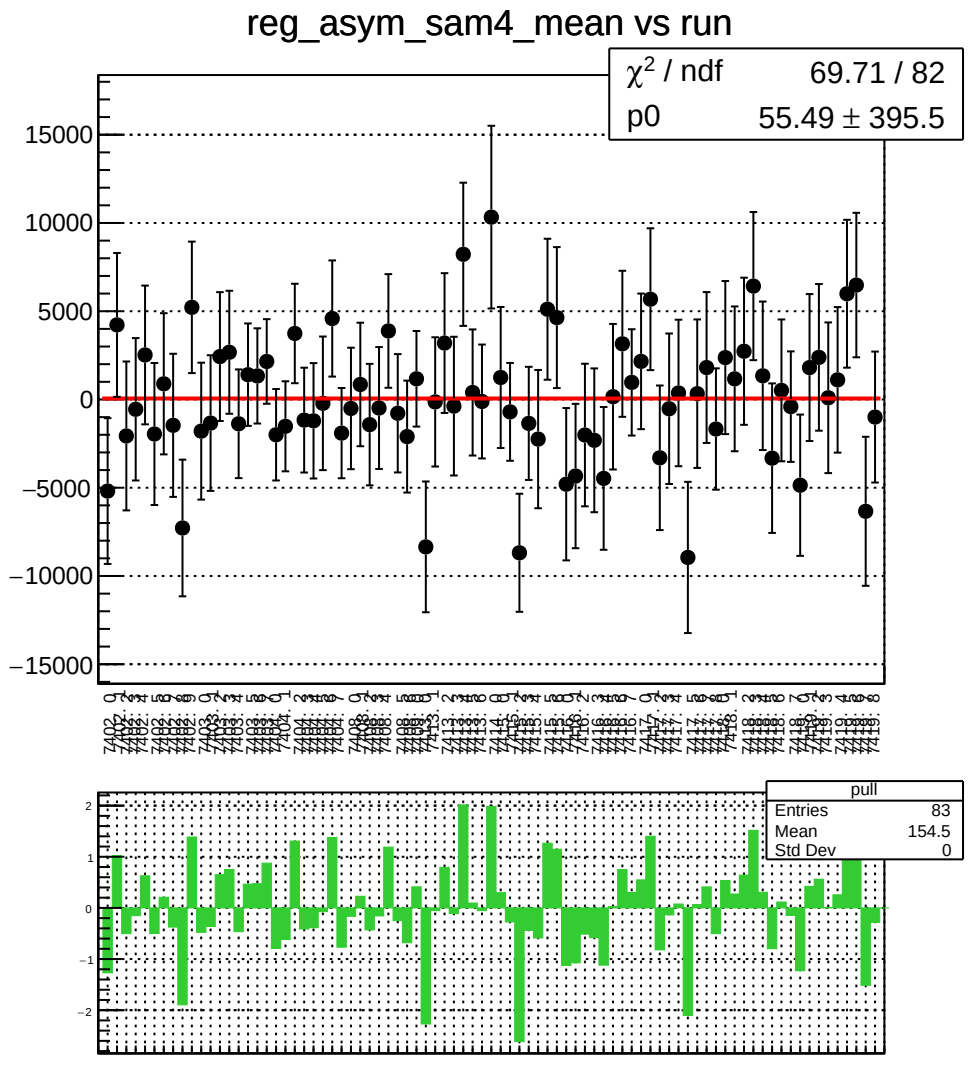

pull1D
Entries 83
Mean −0.0184
Std Dev 0.9784

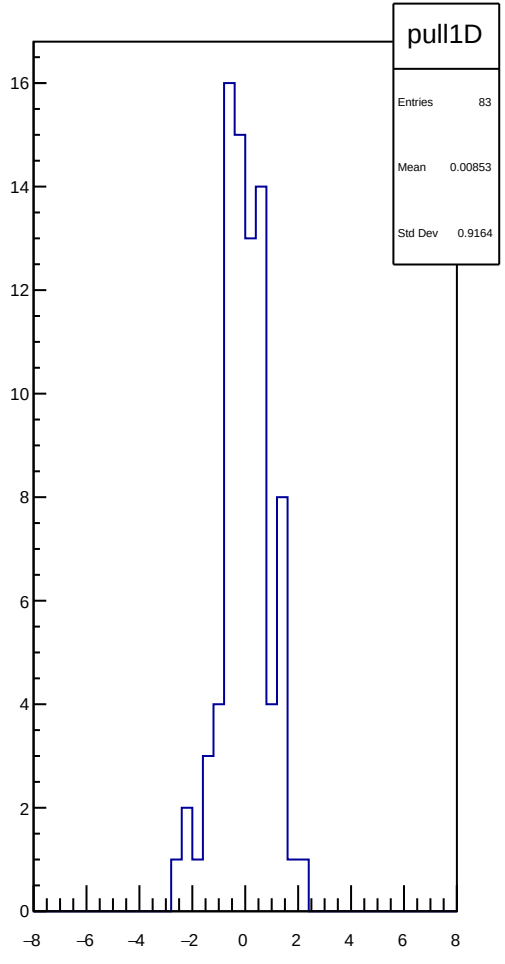

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.684e+04 / 82
p0 101.3 ± 0.08159
160
140
120
100
80

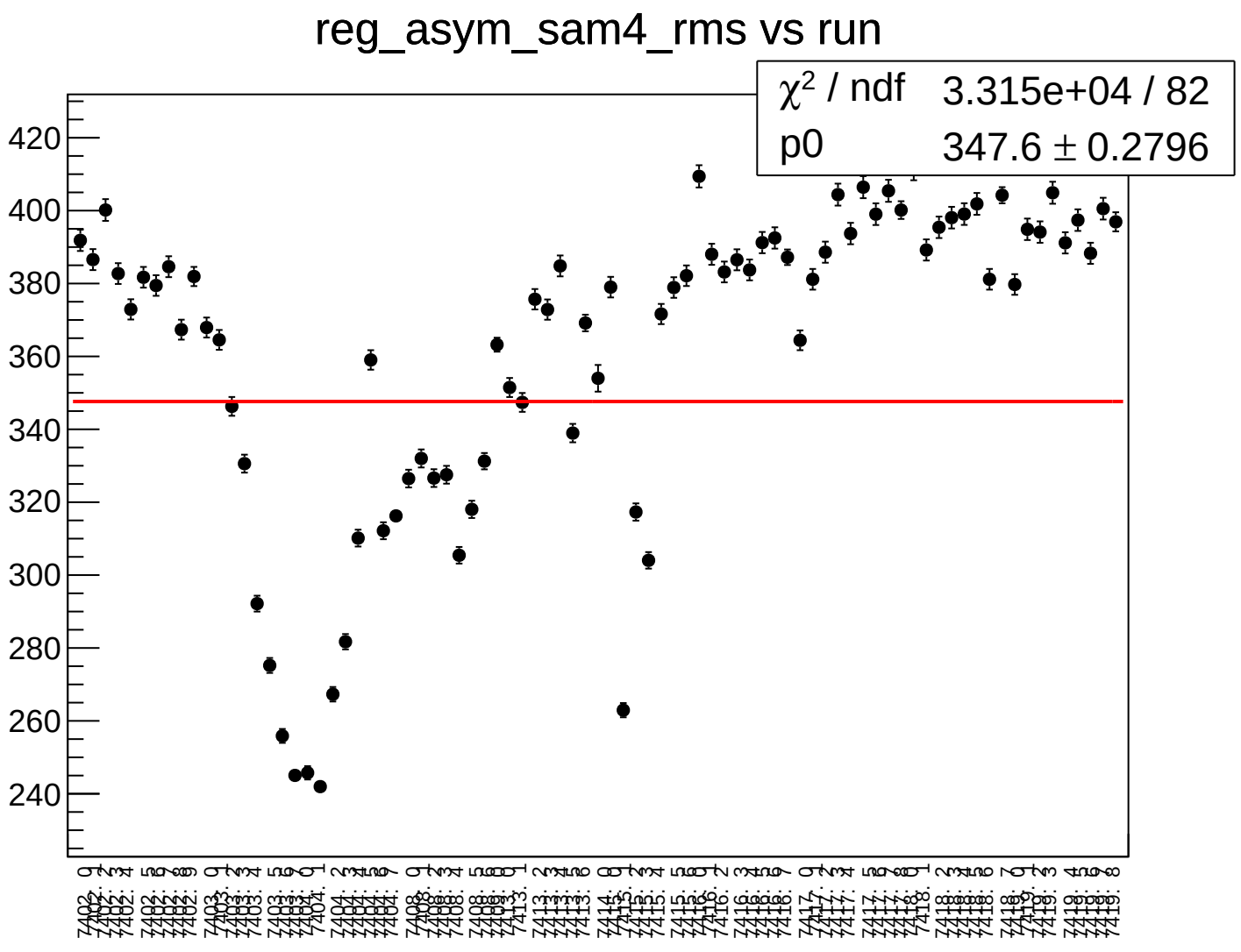

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.29 / 82
p0 8.766e−15 ± 6.776e−15
pull
Entries 83
Mean 70.76
Std Dev 0

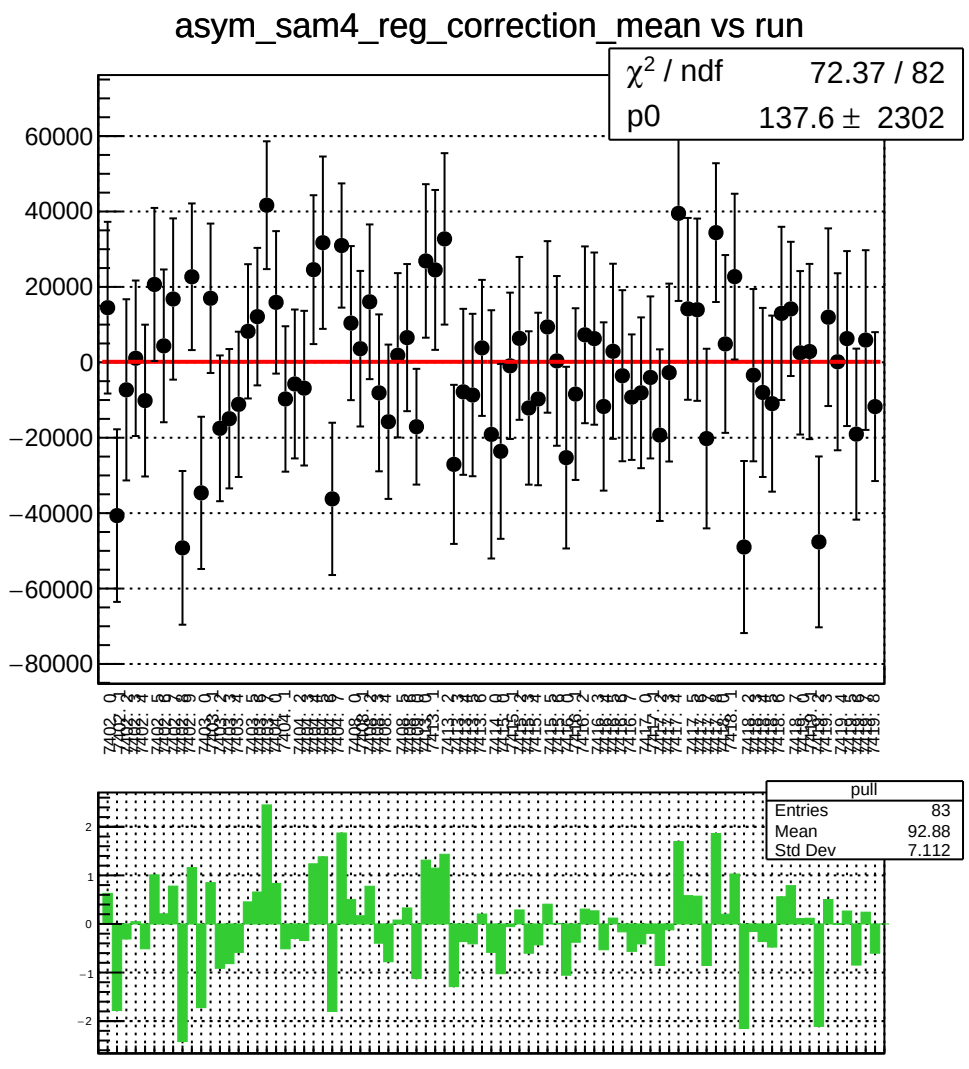

pull1D
Entries 83
Mean 0.1289
Std Dev 0.9177

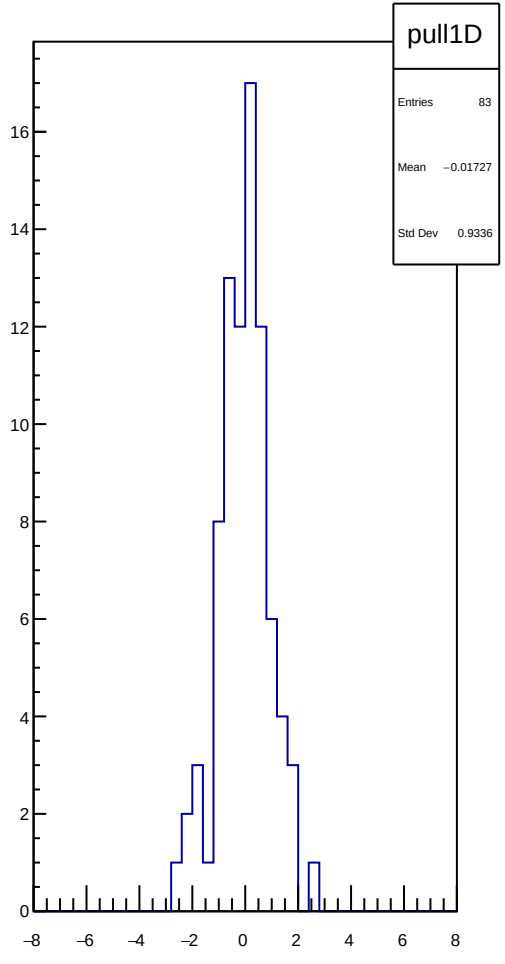

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 9.624e+05 / 82
p0 3.761e−12 ± 4.791e−15
50
40
30
20
10

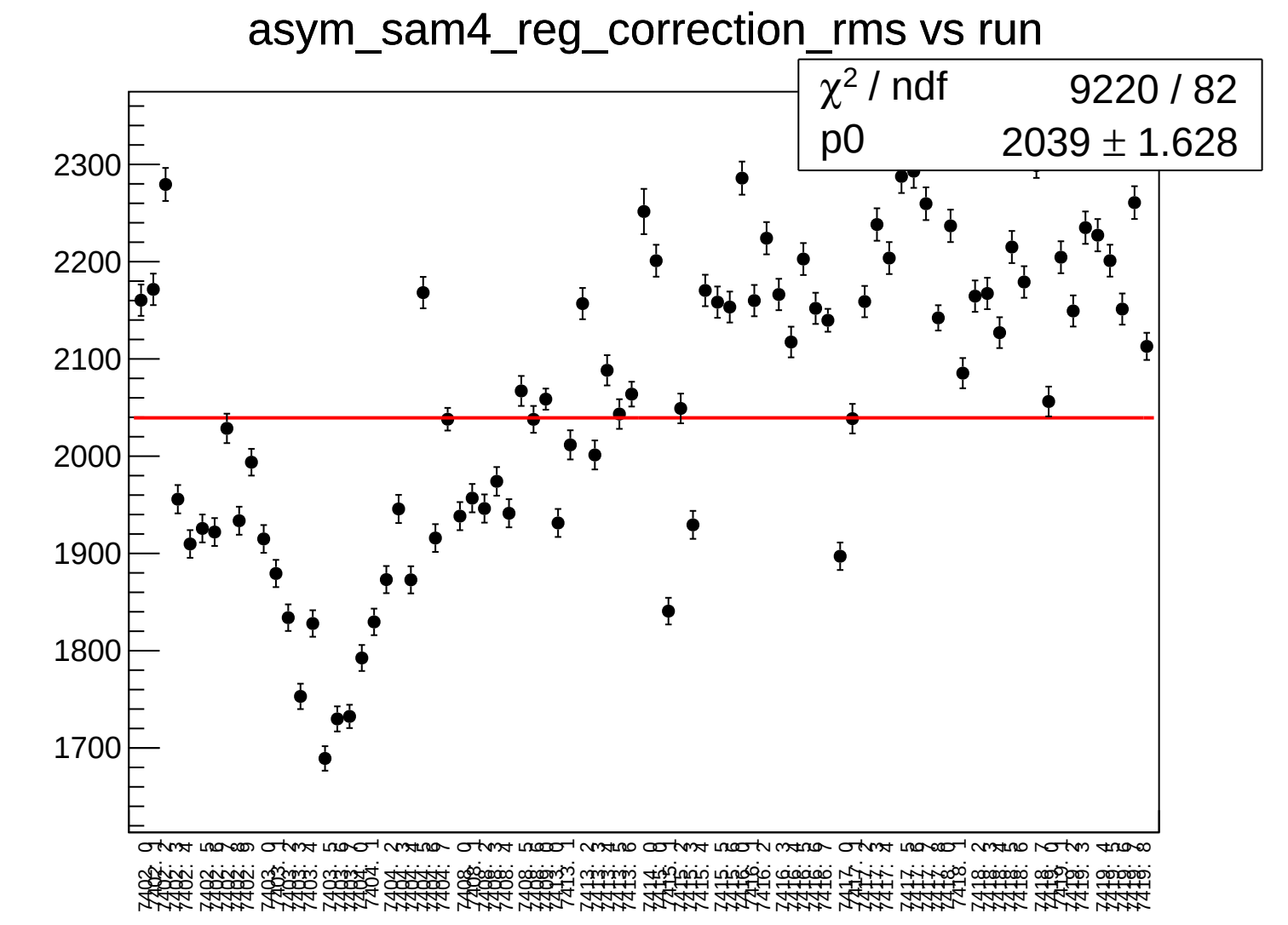

reg_asym_sam4_mean vs run
χ² / ndf 69.71 / 82
p0 55.49 ± 395.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 154.5
Std Dev 0
2
1
0
−1
−2

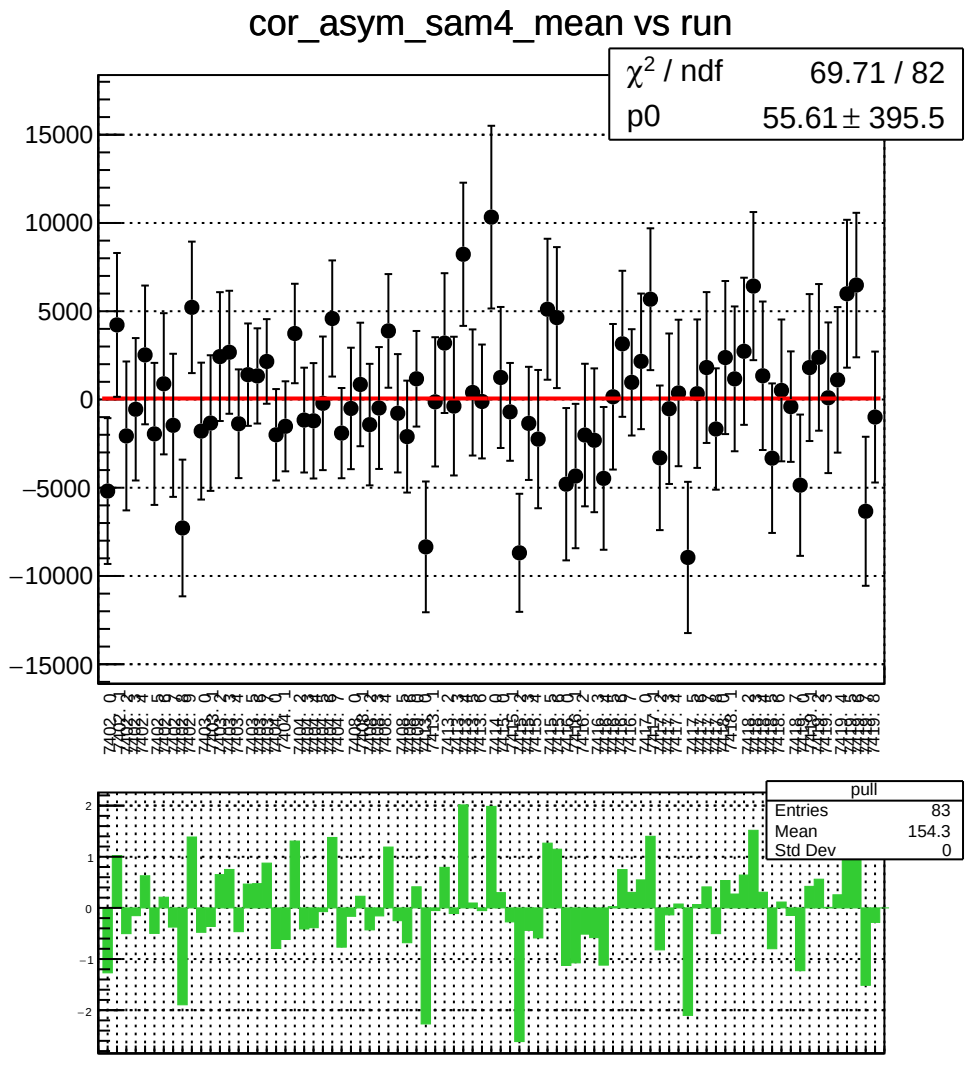

pull1D
Entries 83
Mean 0.00853
Std Dev 0.9164
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

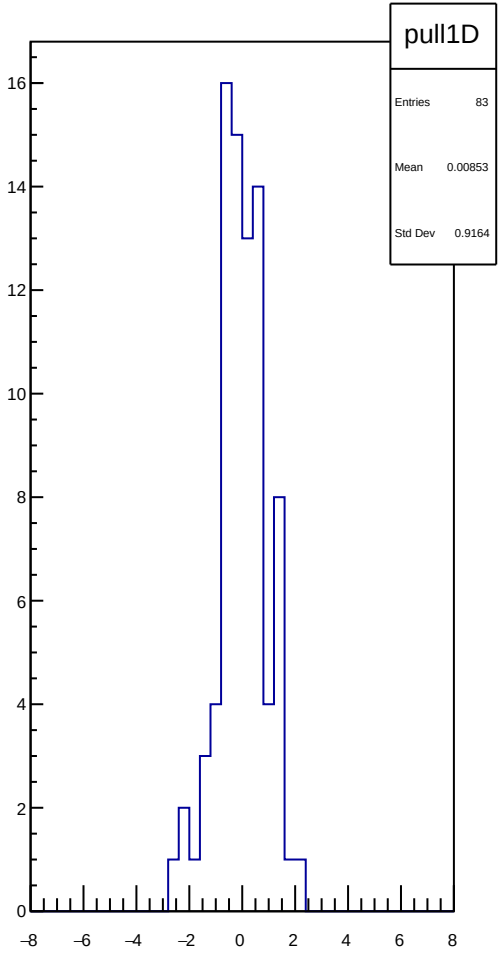

reg_asym_sam4_rms vs run
χ² / ndf 3.315e+04 / 82
p0 347.6 ± 0.2796
420
400
380
360
340
320
300
280
260
240


asym_sam4_reg_correction_mean vs run
χ² / ndf 72.37 / 82
p0 137.6 ± 2302
pull
Entries 83
Mean 92.88
Std Dev 7.112


pull1D
Entries 83
Mean −0.01727
Std Dev 0.9336


asym_sam4_reg_correction_rms vs run
χ² / ndf 9220 / 82
p0 2039 ± 1.628
2300
2200
2100
2000
1900
1800
1700


cor_asym_sam4_mean vs run
χ² / ndf 69.71 / 82
p0 55.61 ± 395.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 154.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.00853
Std Dev 0.9164
16
14
12
10
8
6
4
2
0
−8
−6
−4
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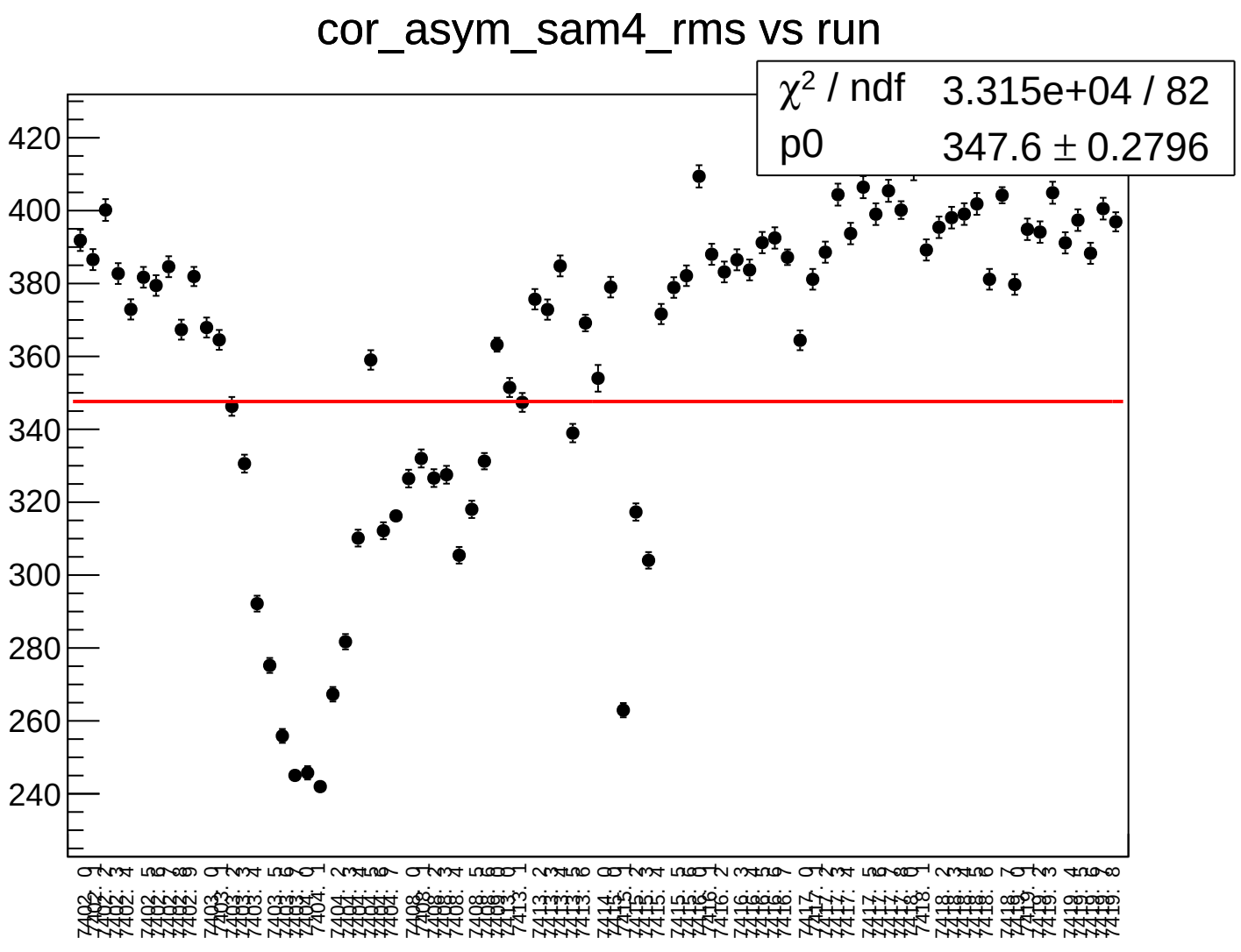
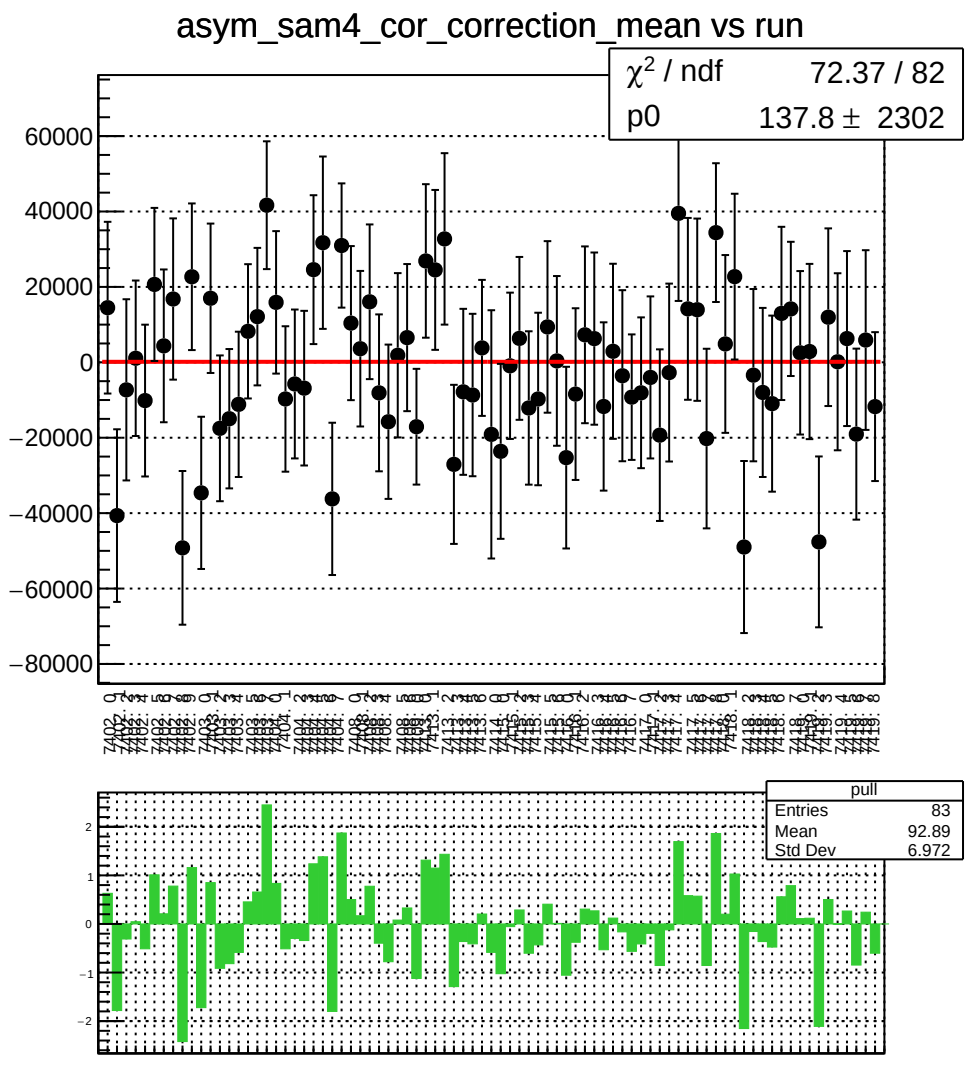
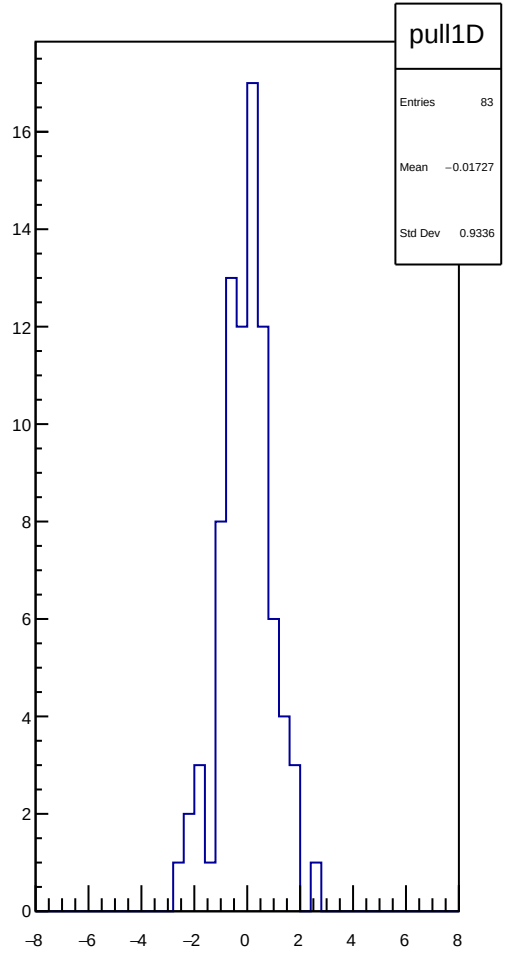
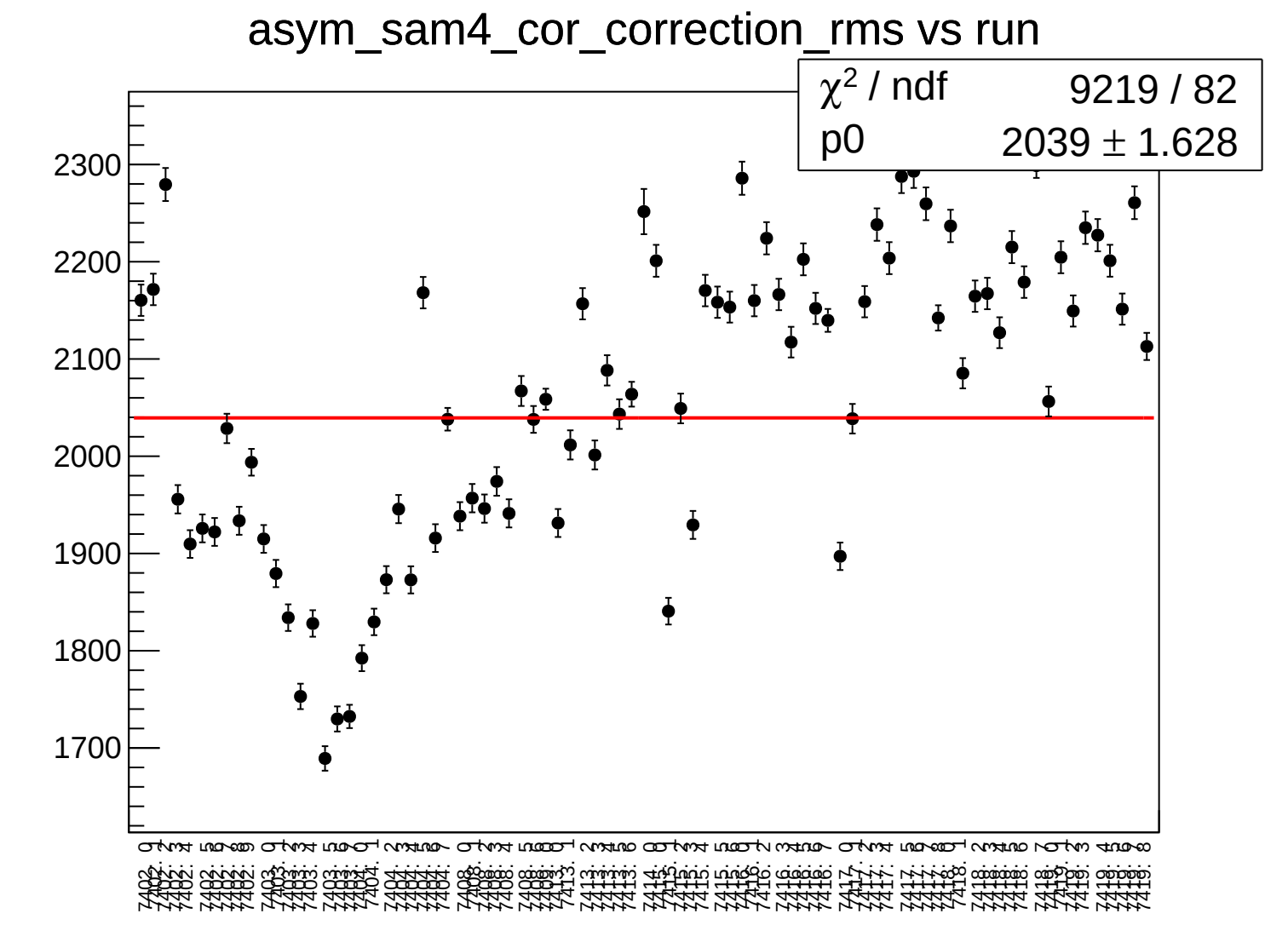
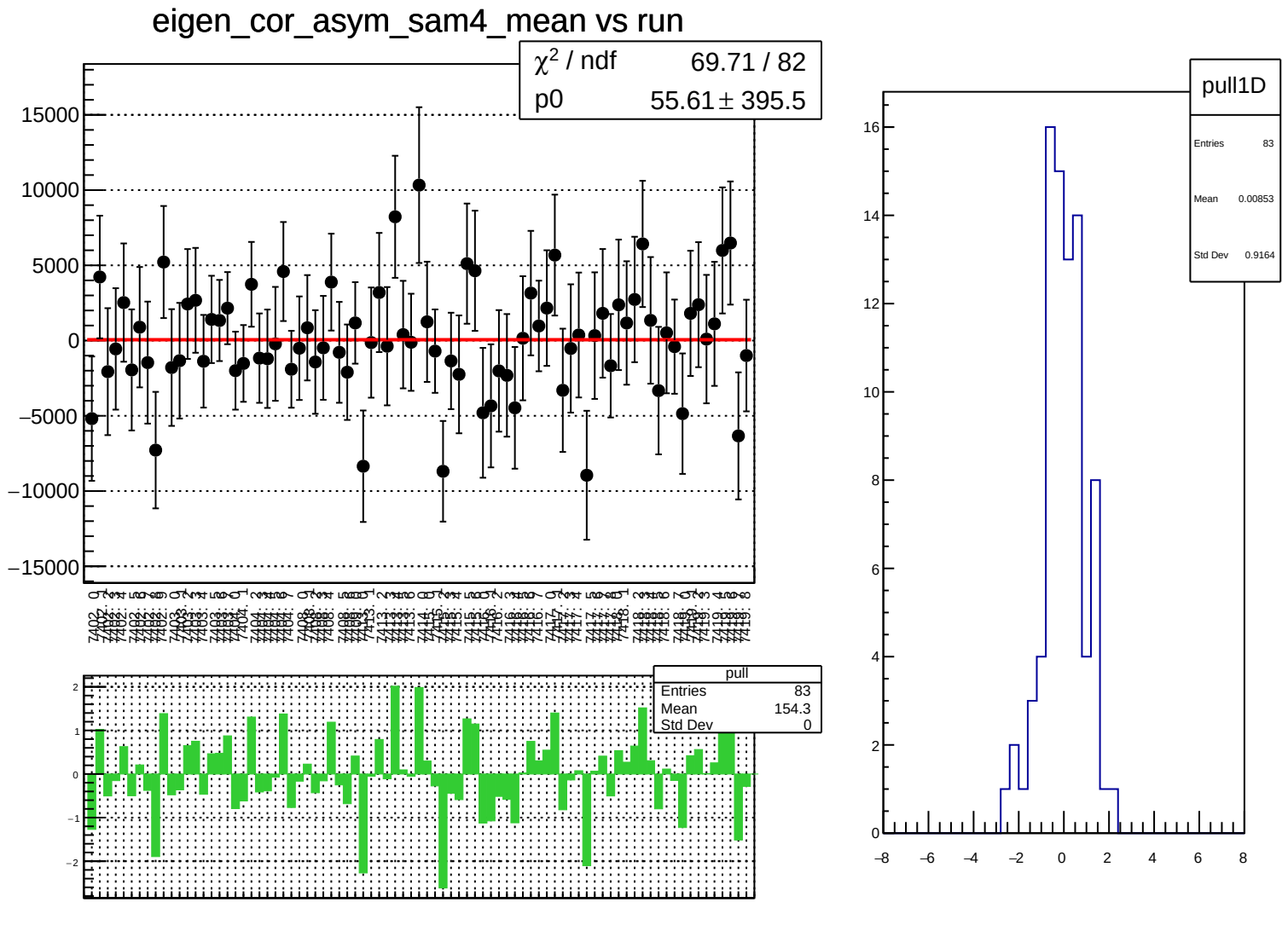
0
2
4
6
8

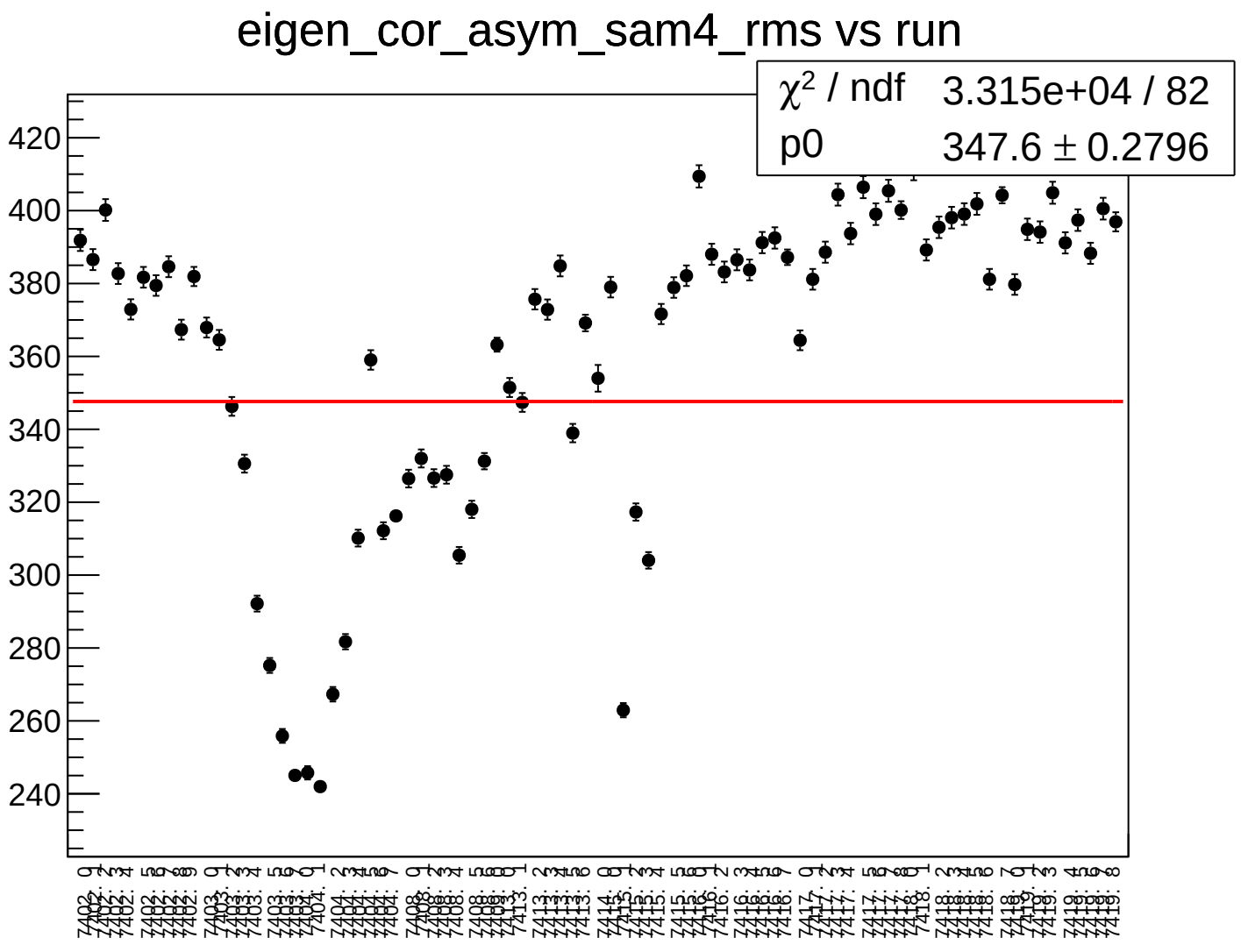

cor_asym_sam4_rms vs run
χ² / ndf 3.315e+04 / 82
p0 347.6 ± 0.2796
420
400
380
360
340
320
300
280
260
240

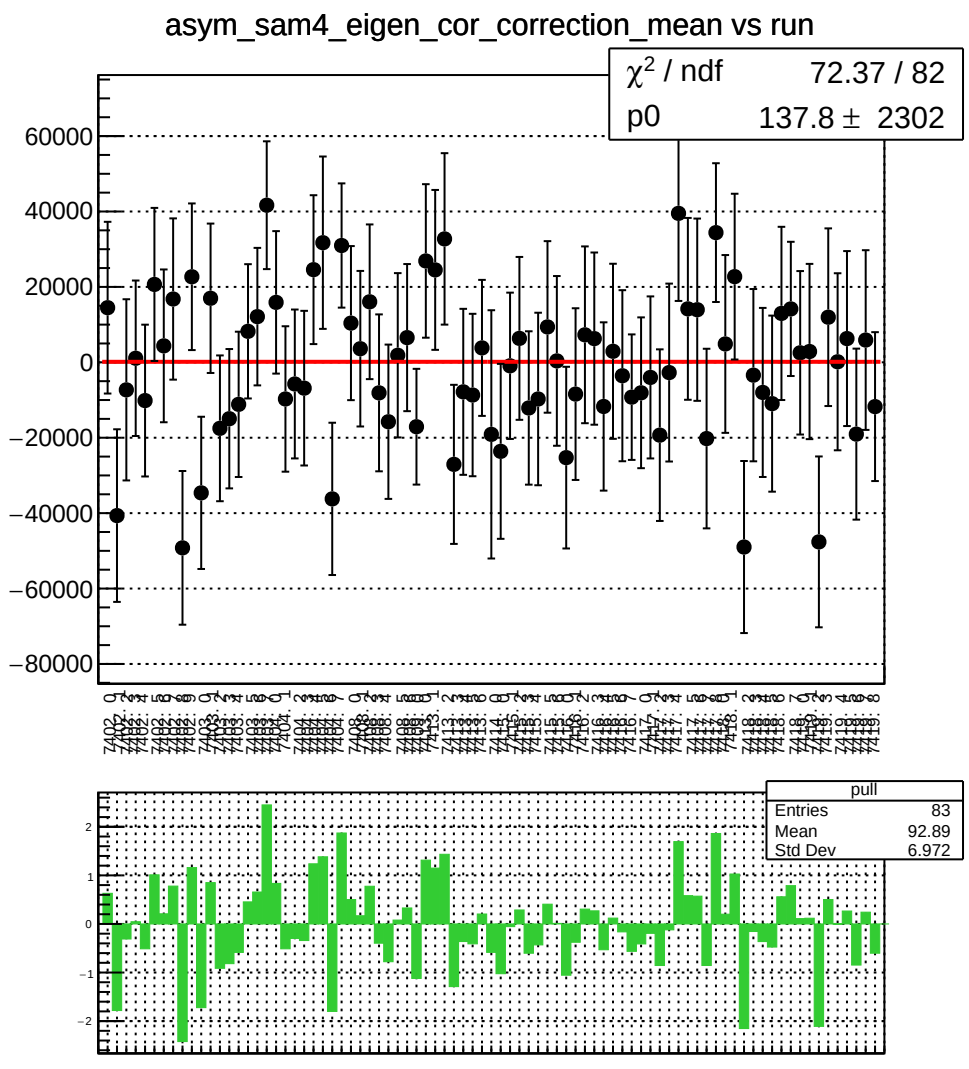

asym_sam4_cor_correction_mean vs run
χ² / ndf 72.37 / 82
p0 137.8 ± 2302
pull
Entries 83
Mean 92.89
Std Dev 6.972

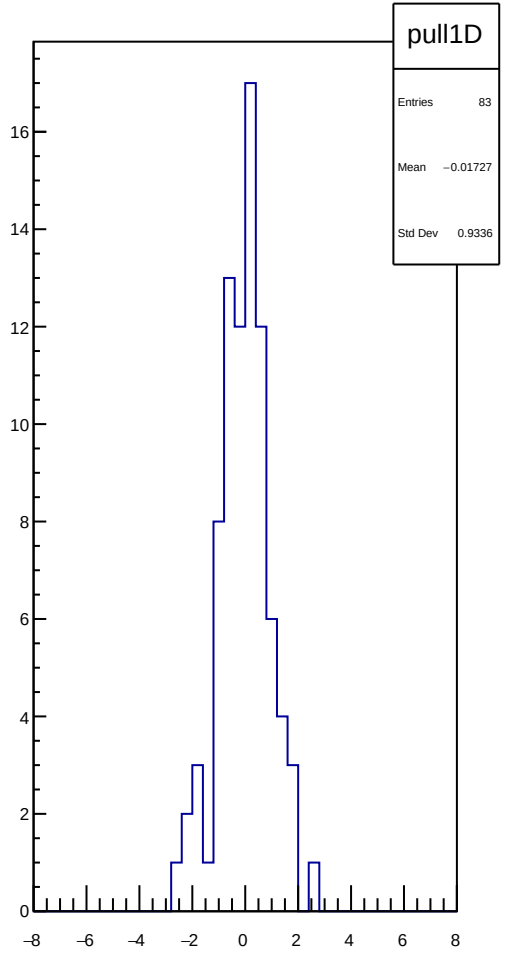

pull1D
Entries 83
Mean −0.01727
Std Dev 0.9336

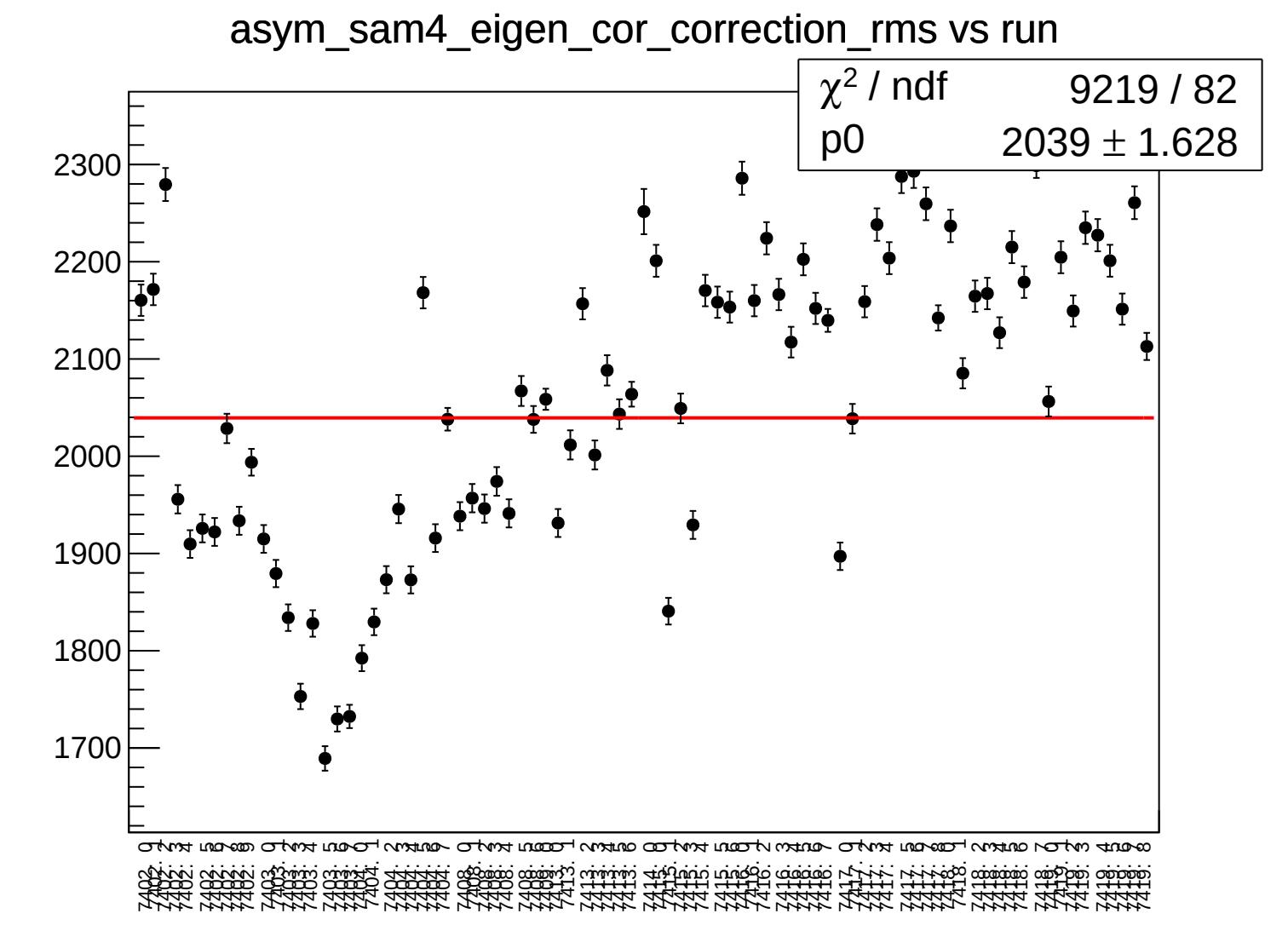

asym_sam4_cor_correction_rms vs run
χ² / ndf 9219 / 82
p0 2039 ± 1.628
2300
2200
2100
2000
1900
1800
1700

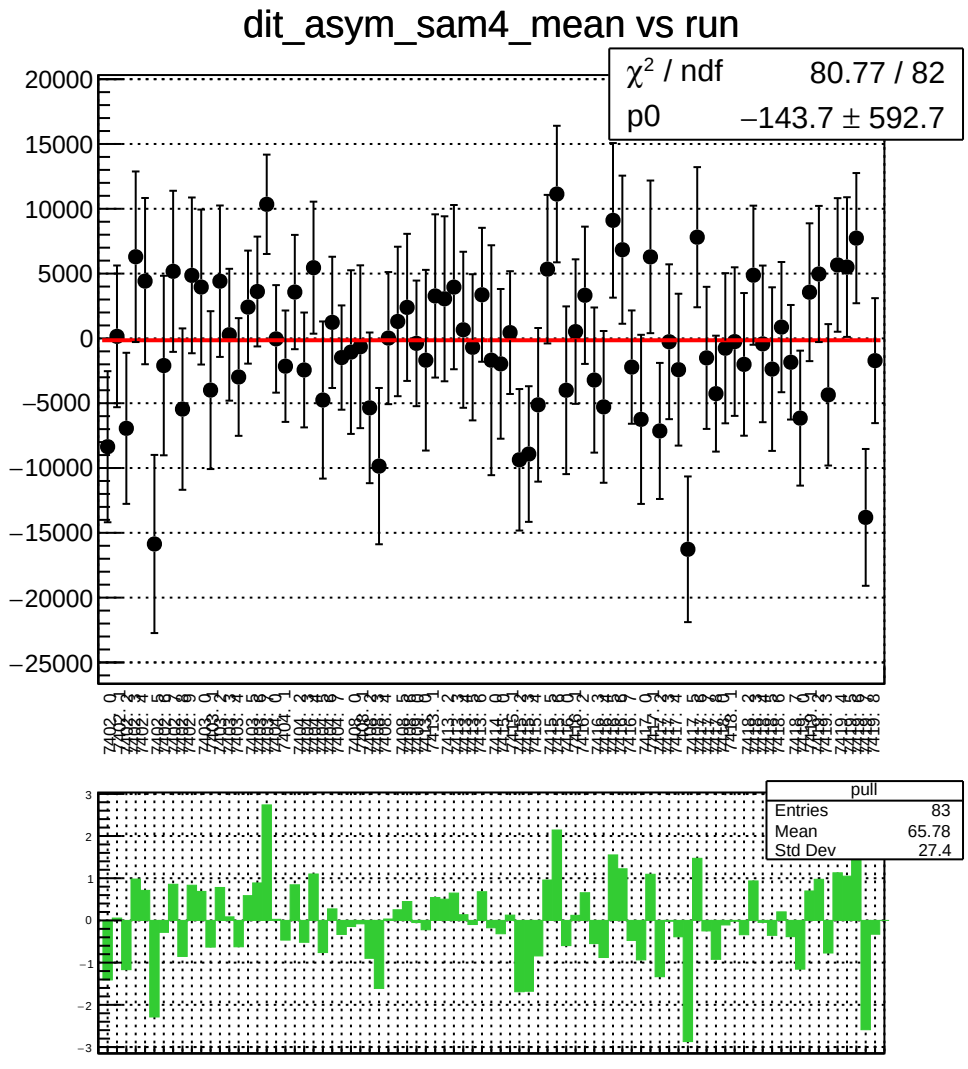

eigen_cor_asym_sam4_mean vs run
χ² / ndf 69.71 / 82
p0 55.61 ± 395.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 154.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.00853
Std Dev 0.9164
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

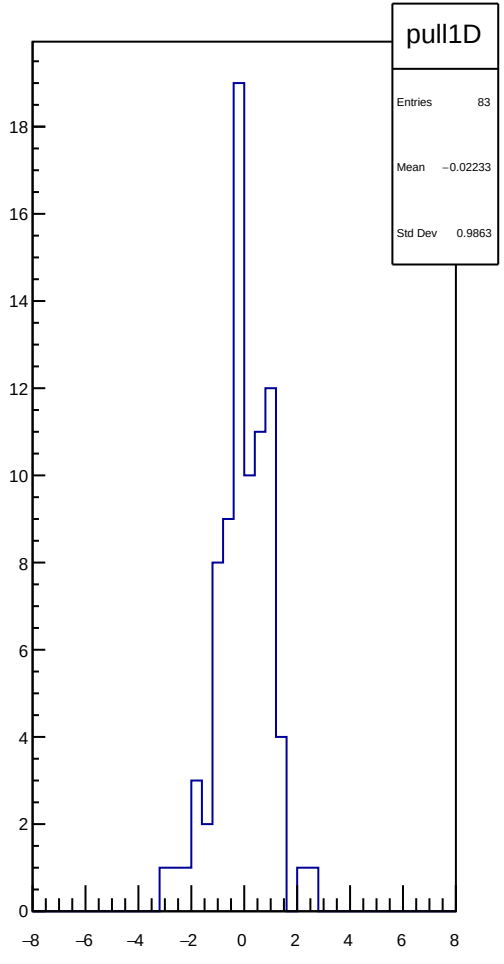

eigen_cor_asym_sam4_rms vs run
χ² / ndf 3.315e+04 / 82
p0 347.6 ± 0.2796
420
400
380
360
340
320
300
280
260
240

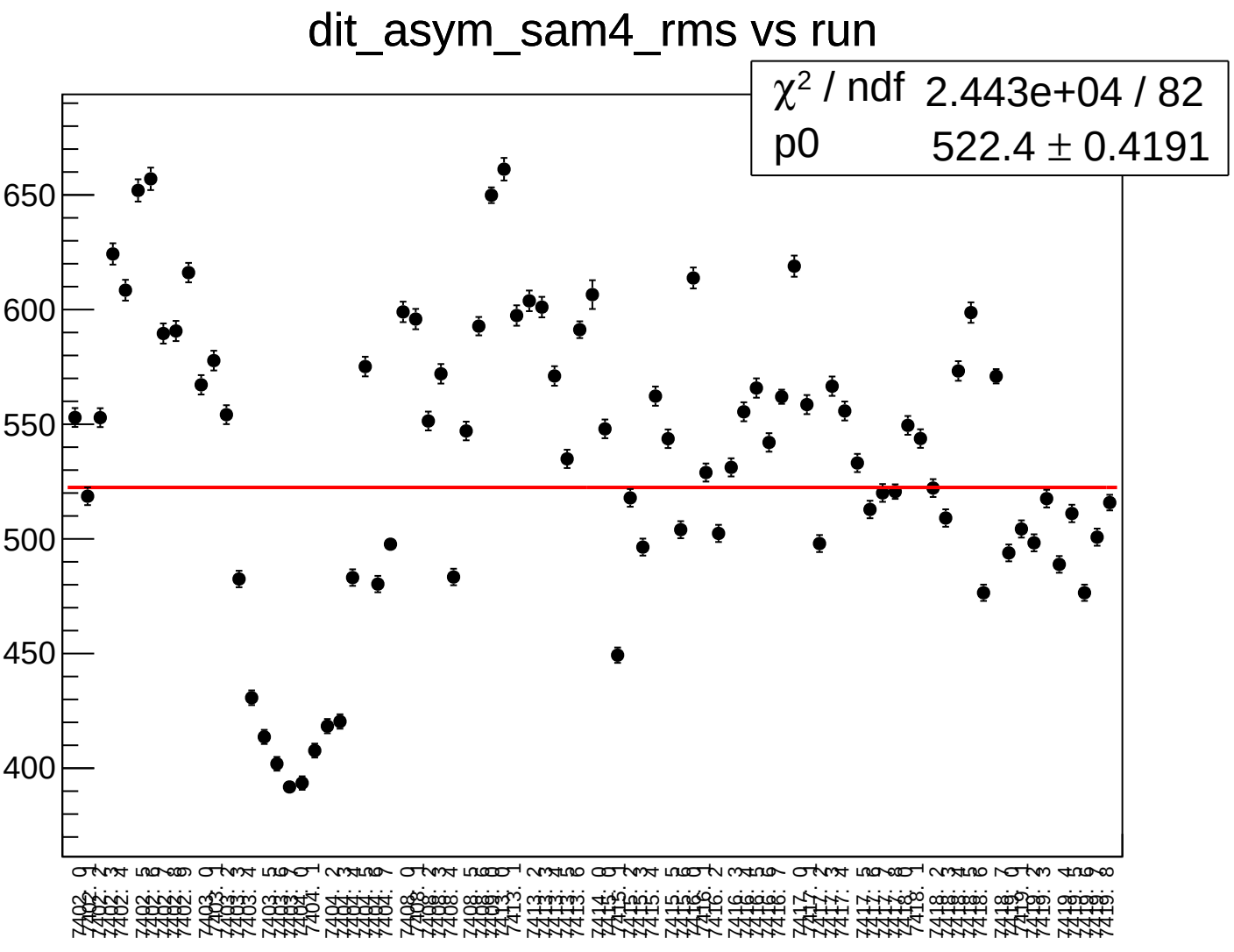

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 72.37 / 82
p0 137.8 ± 2302
pull
Entries 83
Mean 92.89
Std Dev 6.972

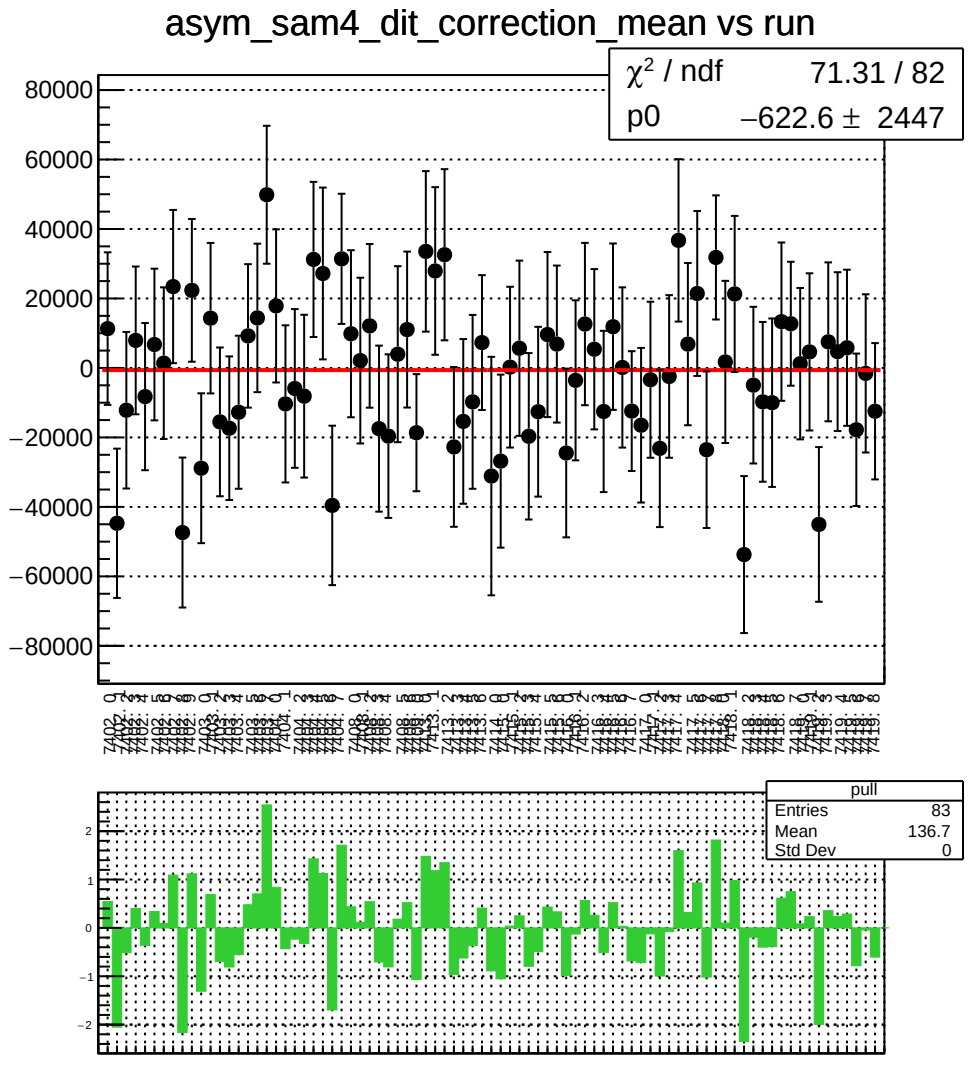

pull1D
Entries 83
Mean −0.01727
Std Dev 0.9336

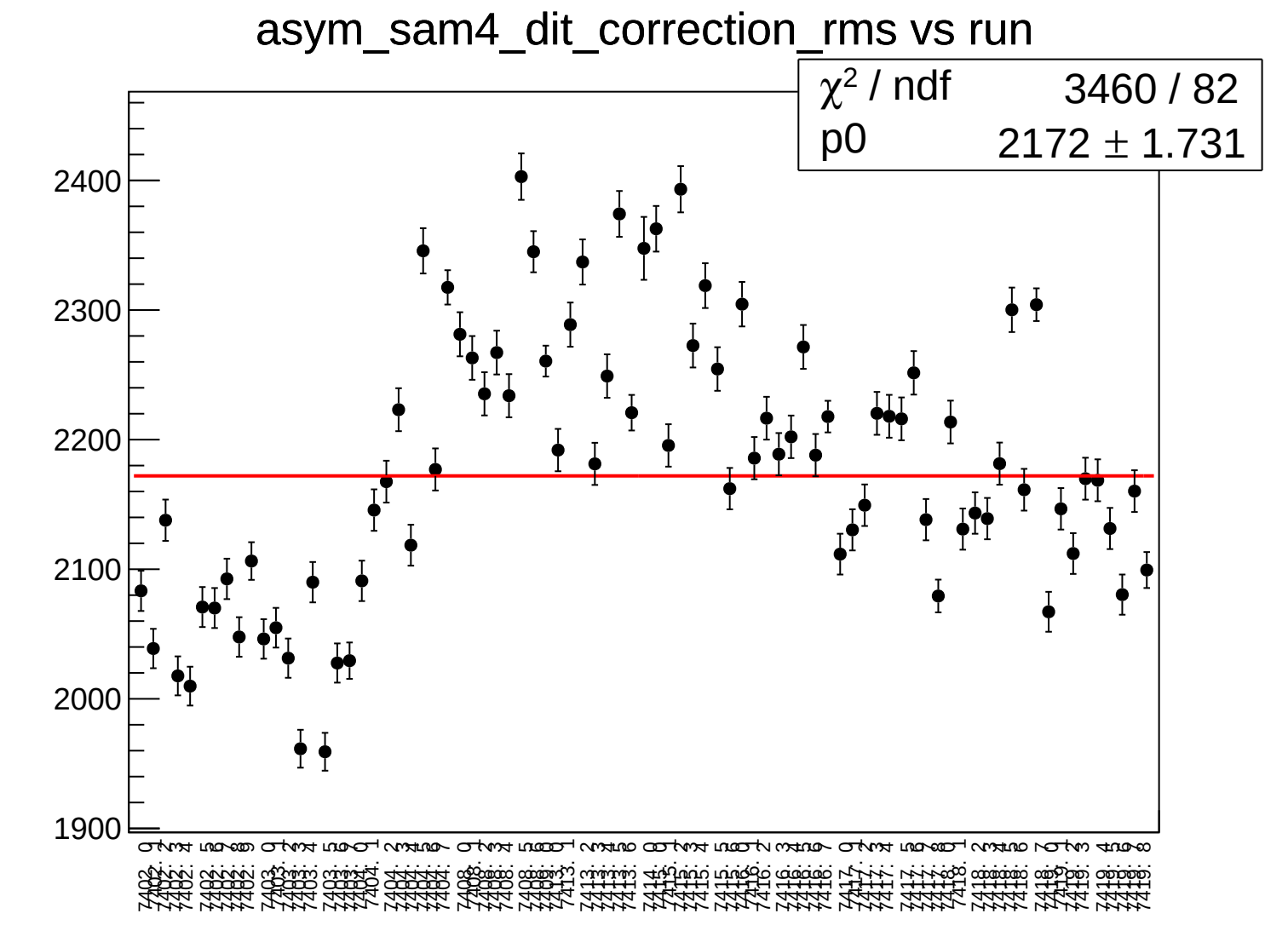

asym_sam4_eigen_cor_correction_rms vs run
χ^2 / ndf 9219 / 82
p0 2039 ± 1.628
2300
2200
2100
2000
1900
1800
1700

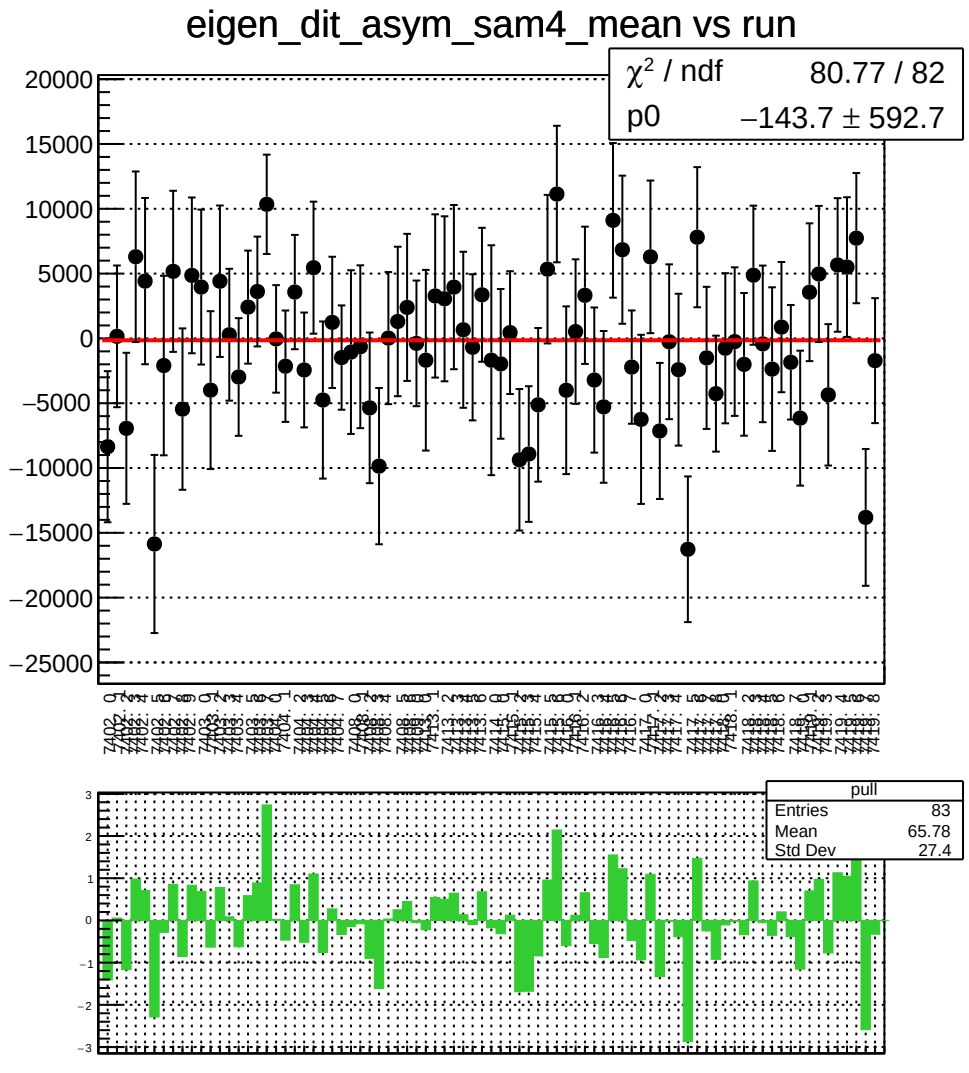

dit_asym_sam4_mean vs run
χ² / ndf 80.77 / 82
p0 −143.7 ± 592.7
pull
Entries 83
Mean 65.78
Std Dev 27.4

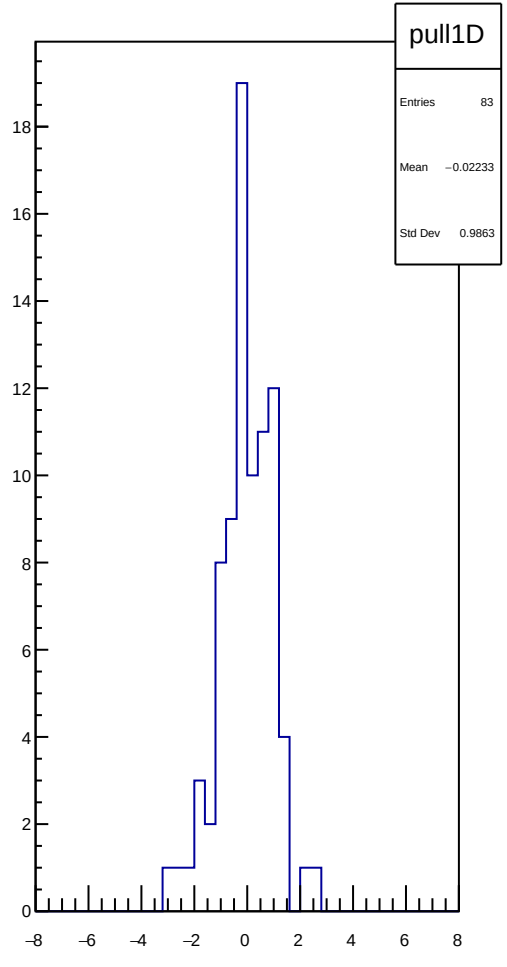

pull1D
Entries 83
Mean −0.02233
Std Dev 0.9863

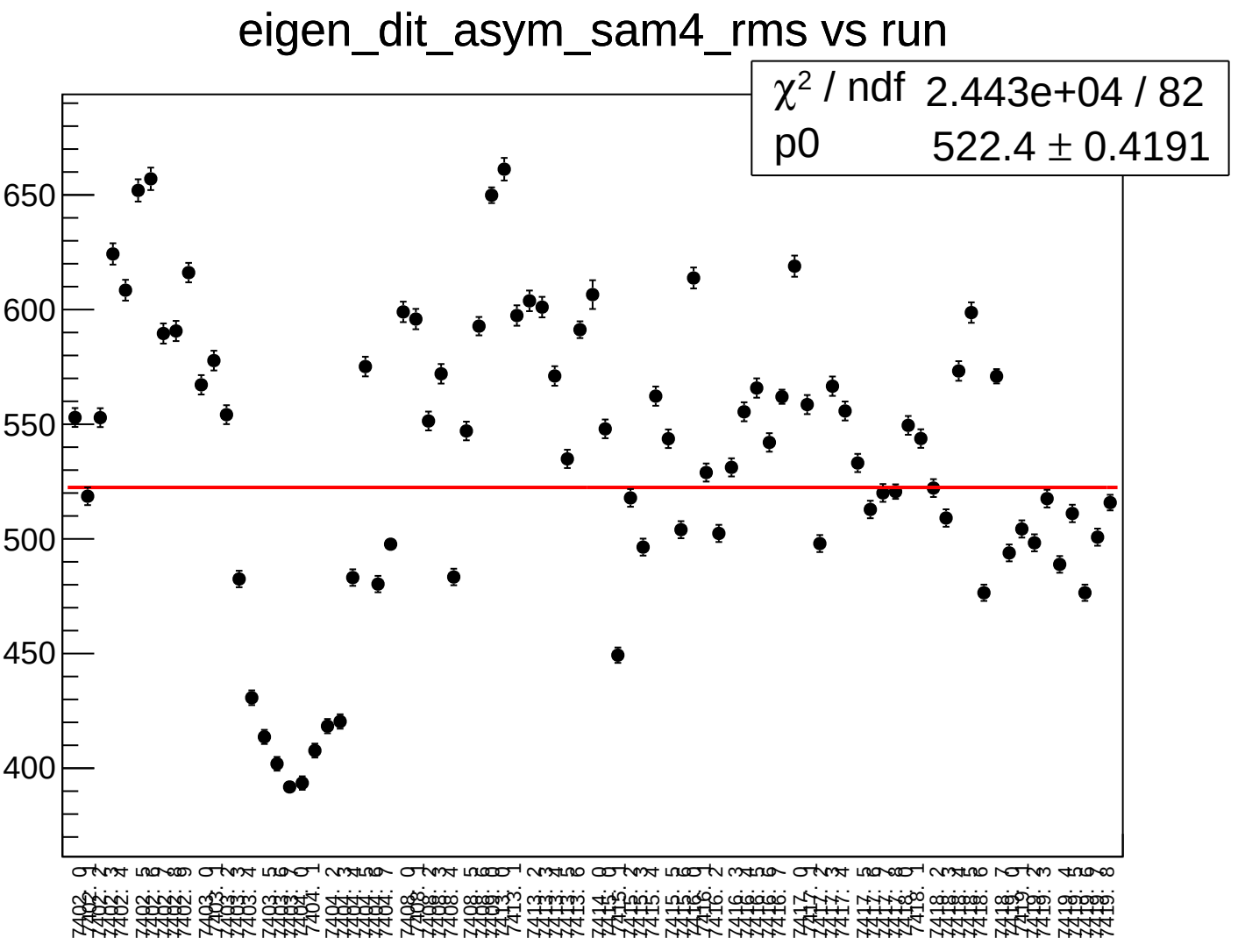

dit_asym_sam4_rms vs run
χ² / ndf 2.443e+04 / 82
p0 522.4 ± 0.4191
650
600
550
500
450
400

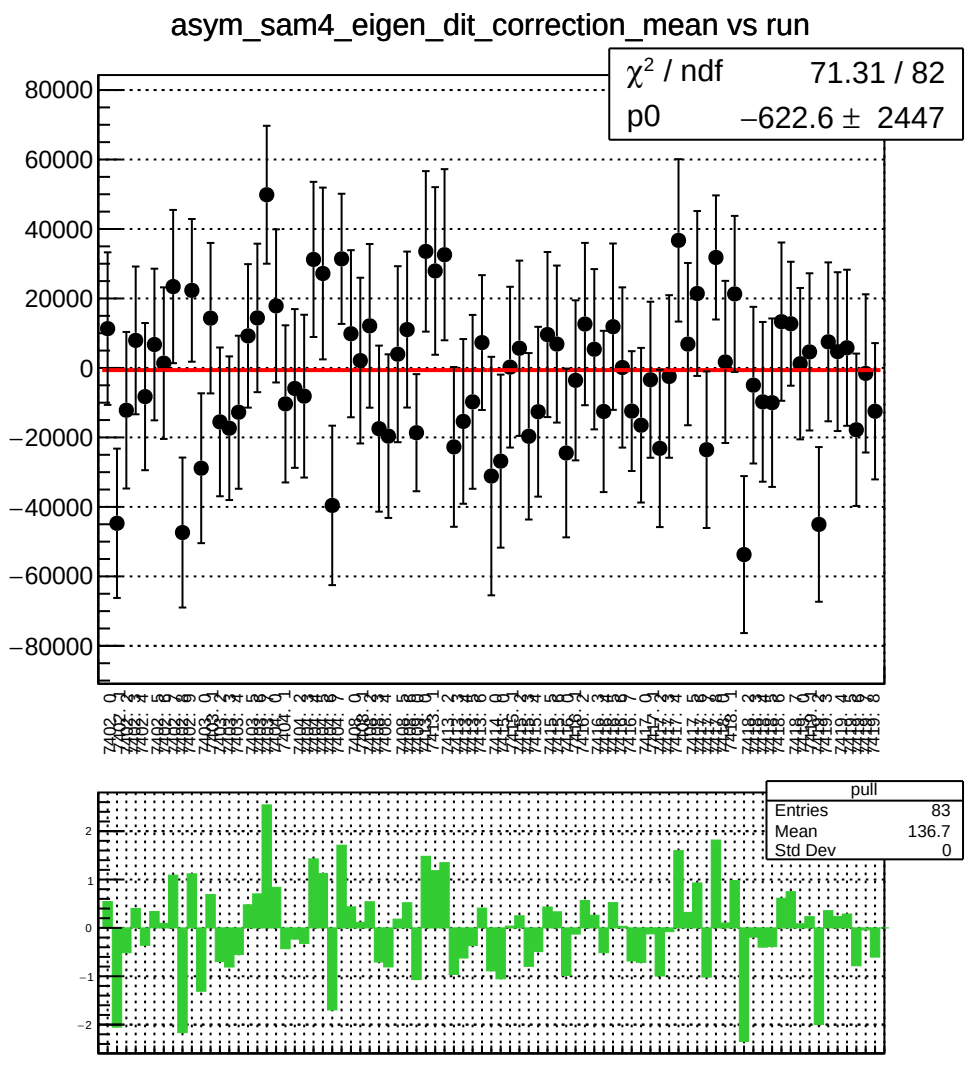

asym_sam4_dit_correction_mean vs run
χ² / ndf 71.31 / 82
p0 −622.6 ± 2447
pull
Entries 83
Mean 136.7
Std Dev 0
pull1D
Entries 83
Mean −0.01009
Std Dev 0.9268

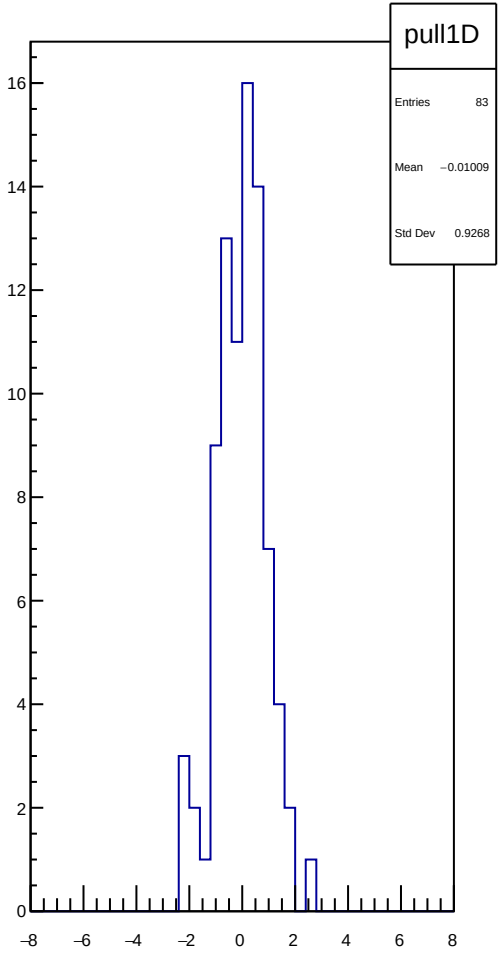

asym_sam4_dit_correction_rms vs run
χ² / ndf 3460 / 82
p0 2172 ± 1.731
2400
2300
2200
2100
2000
1900

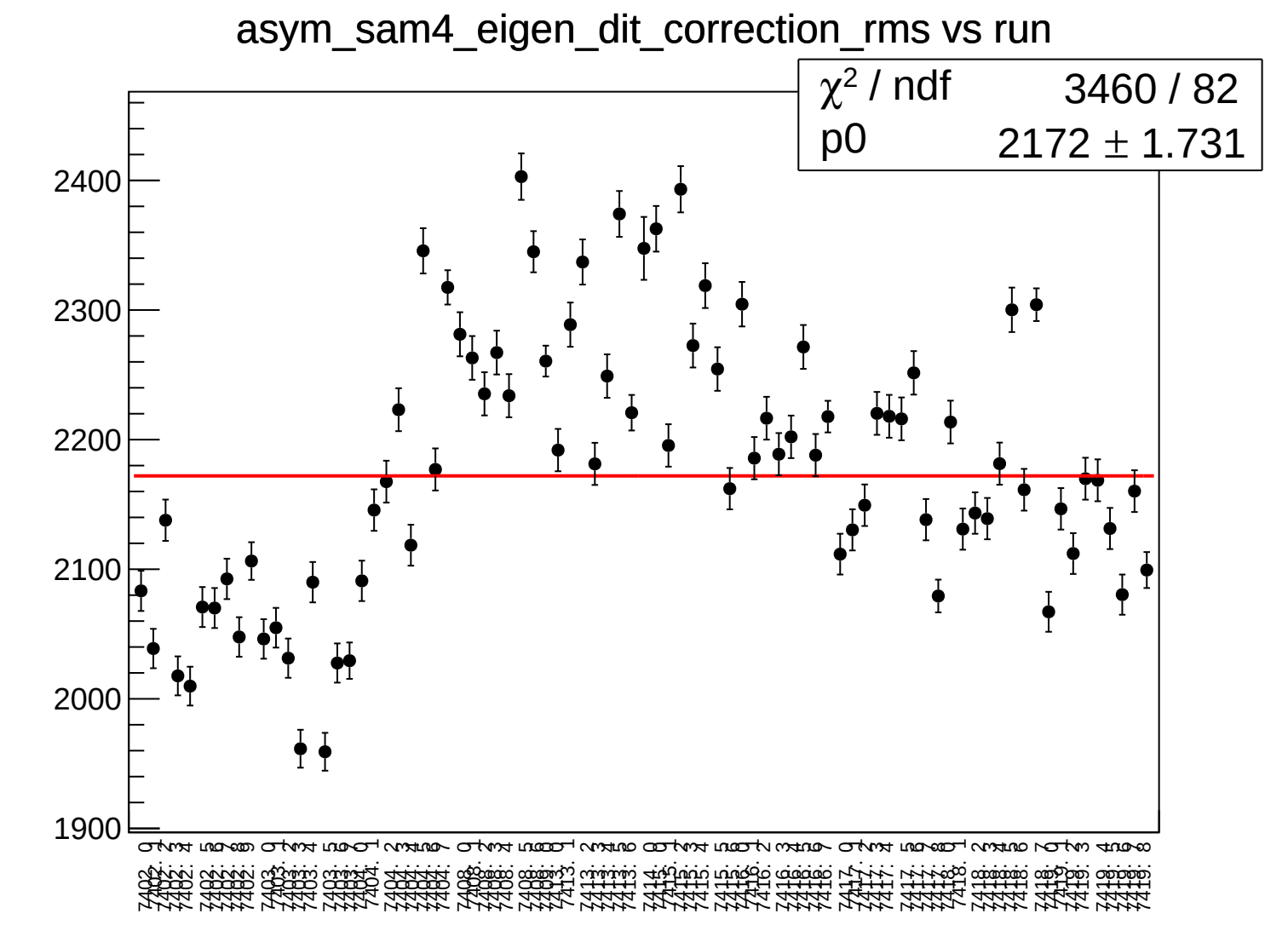

eigen_dit_asym_sam4_mean vs run
χ² / ndf 80.77 / 82
p0 −143.7 ± 592.7
pull
Entries 83
Mean 65.78
Std Dev 27.4

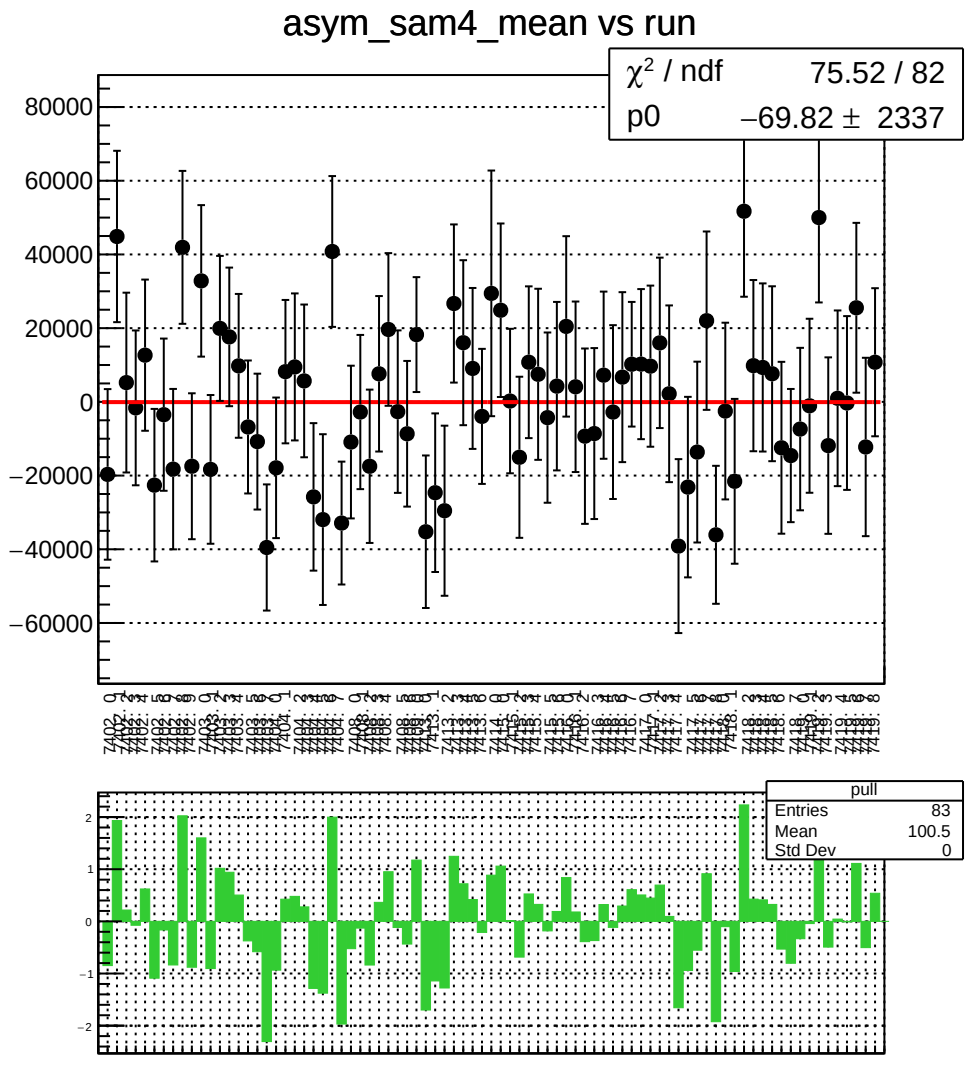

pull1D
Entries 83
Mean −0.02233
Std Dev 0.9863

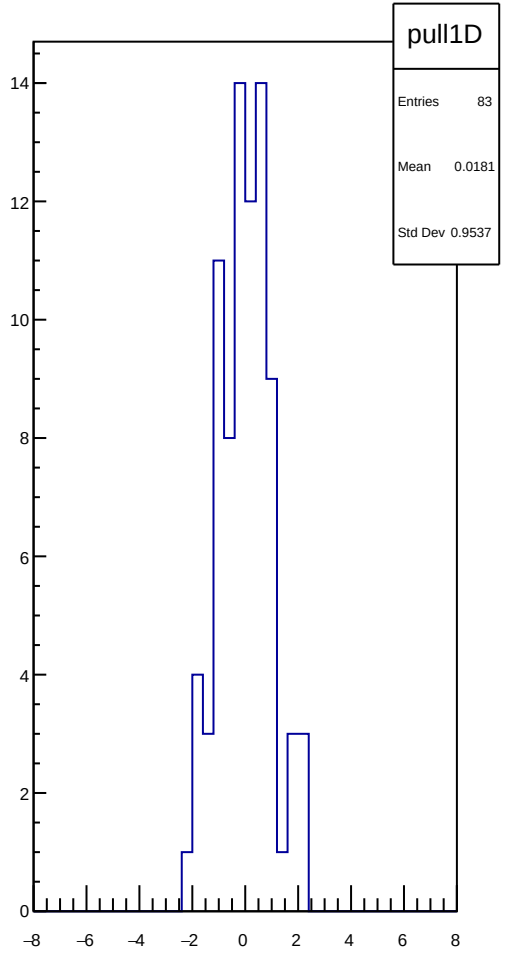

eigen_dit_asym_sam4_rms vs run
χ² / ndf 2.443e+04 / 82
p0 522.4 ± 0.4191
650
600
550
500
450
400

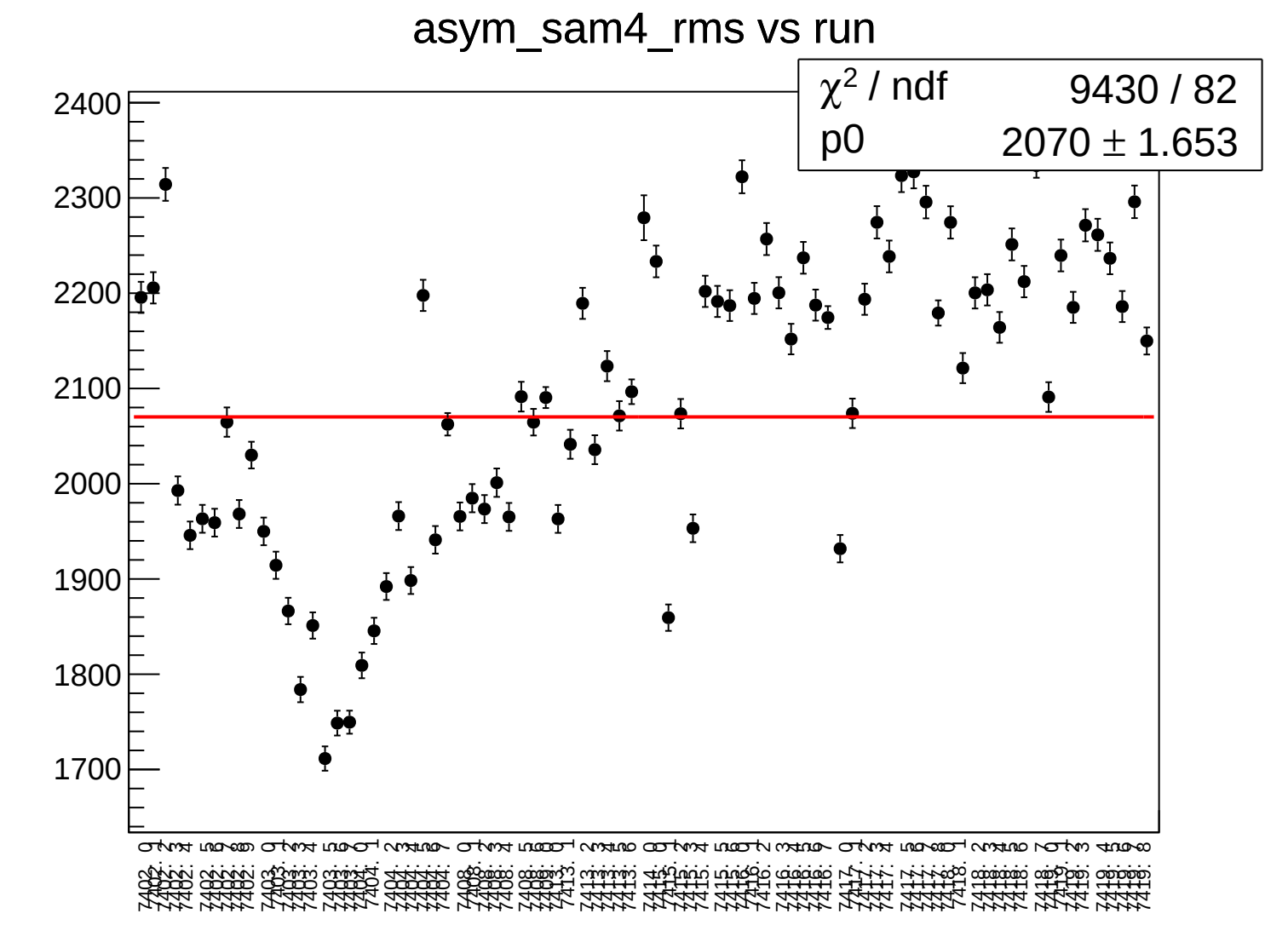

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 71.31 / 82
p0 −622.6 ± 2447
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 136.7
Std Dev 0
2
1
0
−1
−2

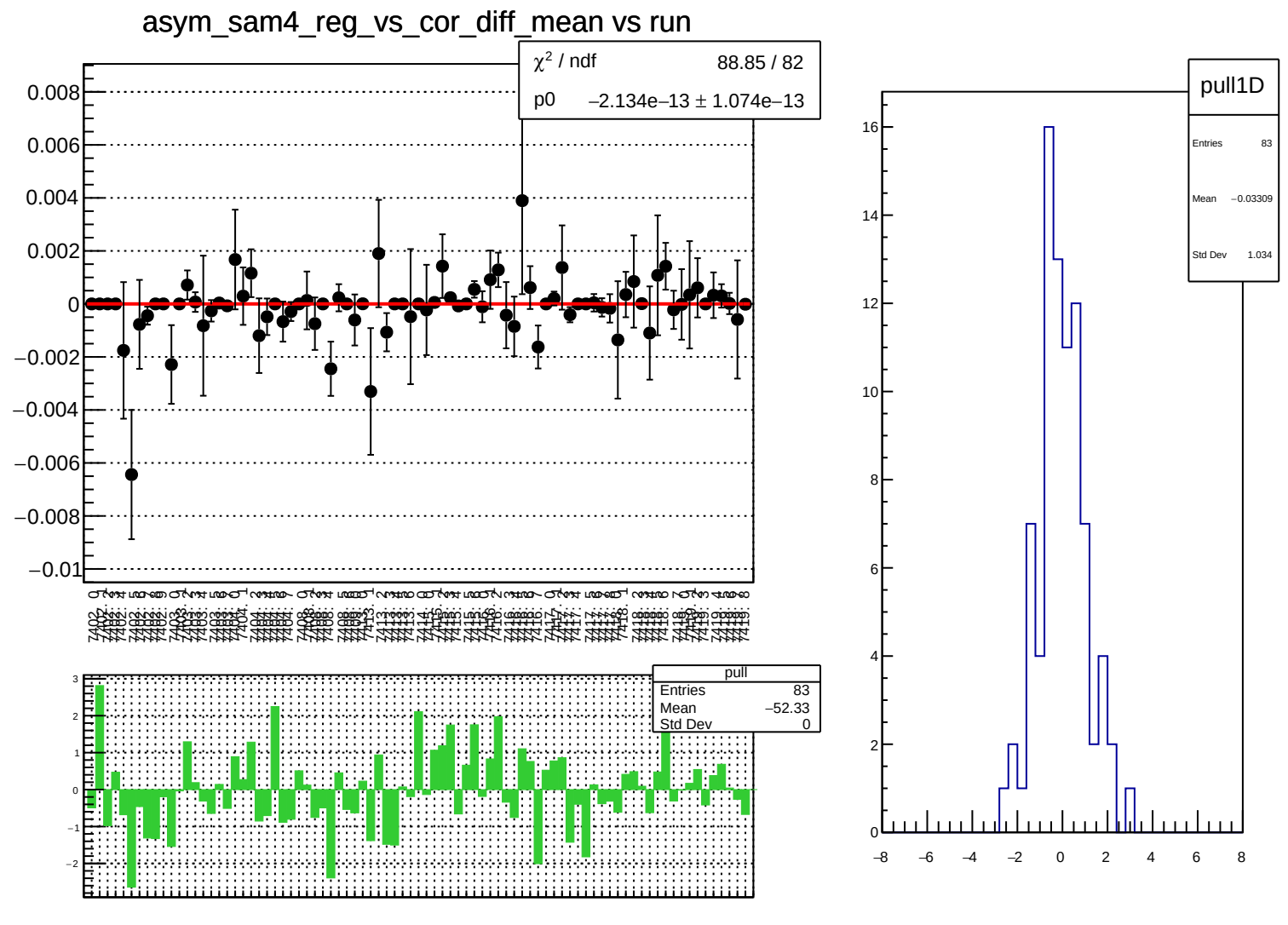

pull1D
Entries 83
Mean −0.01009
Std Dev 0.9268
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

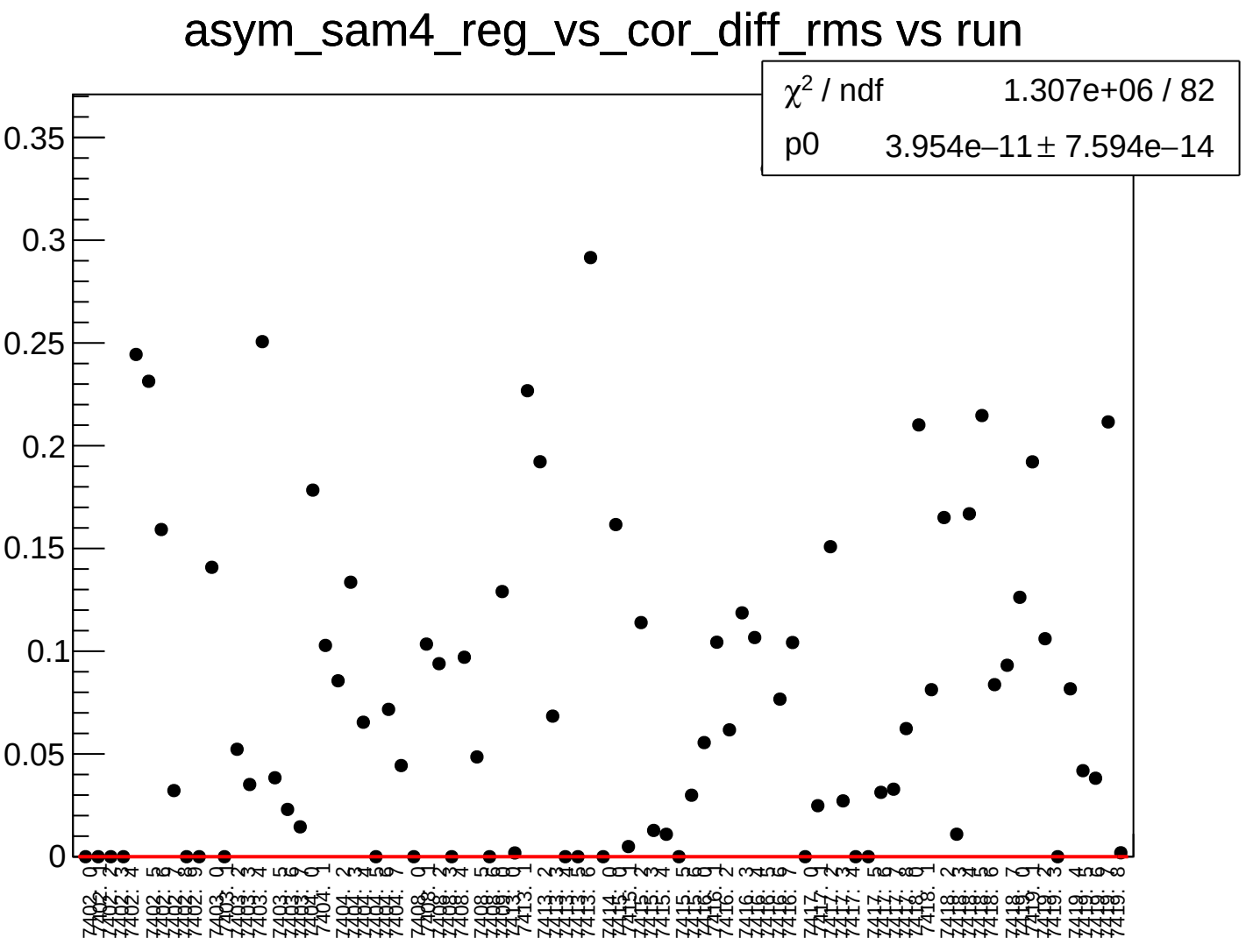

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 3460 / 82
p0 2172 ± 1.731
2400
2300
2200
2100
2000
1900

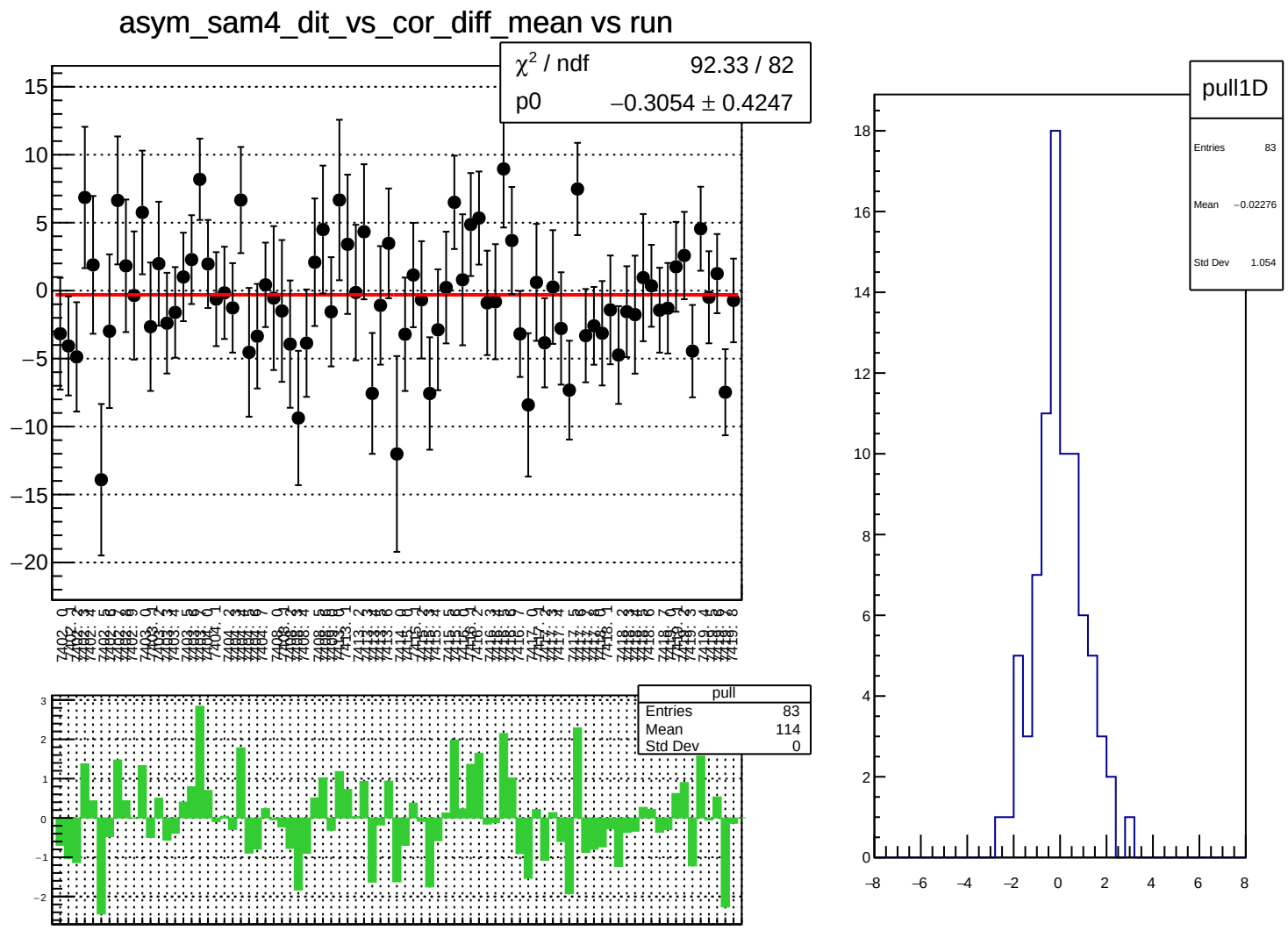

asym_sam4_mean vs run
χ² / ndf 75.52 / 82
p0 −69.82 ± 2337
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 100.5
Std Dev 0
2
1
0
−1
−2

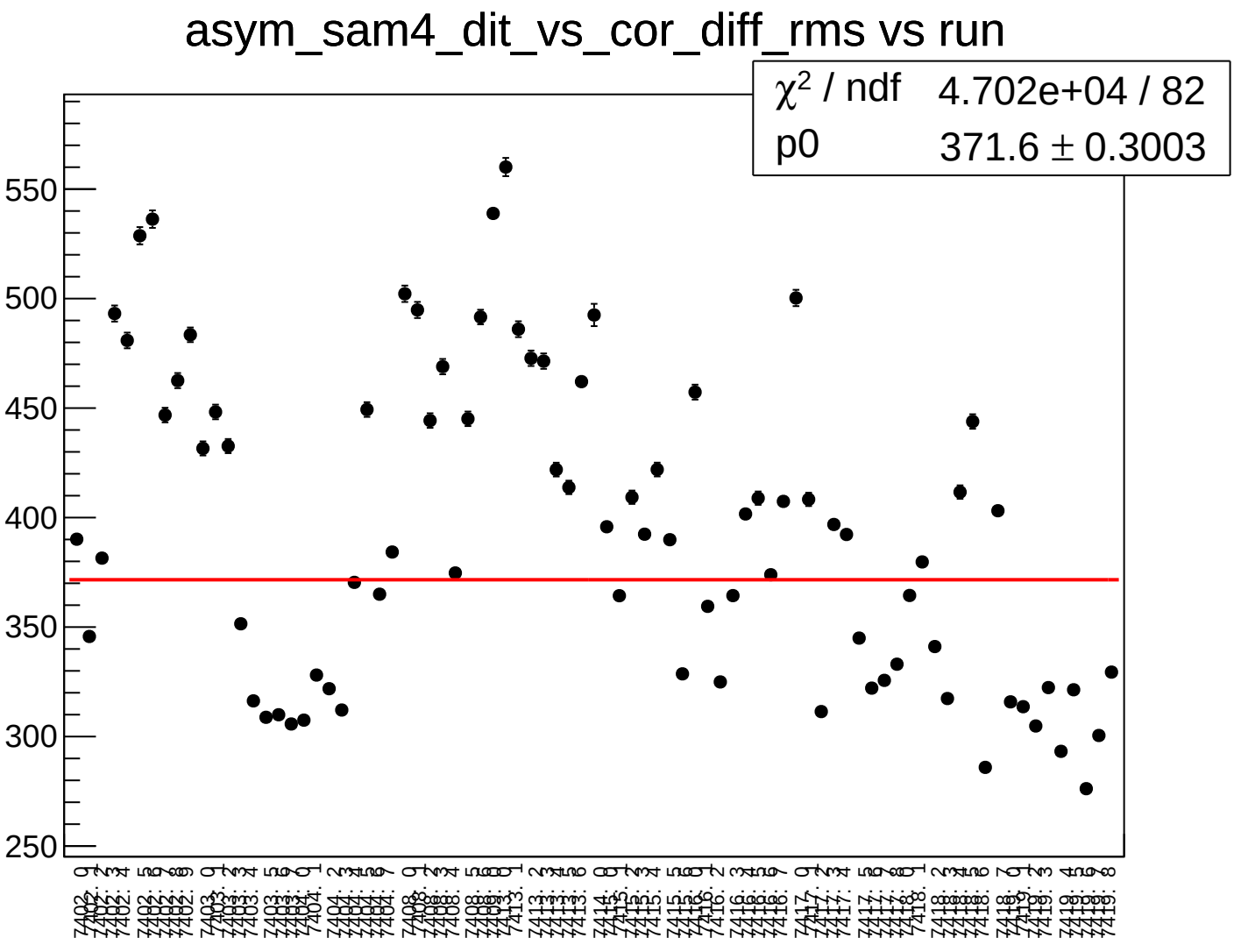

pull1D
Entries 83
Mean 0.0181
Std Dev 0.9537
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

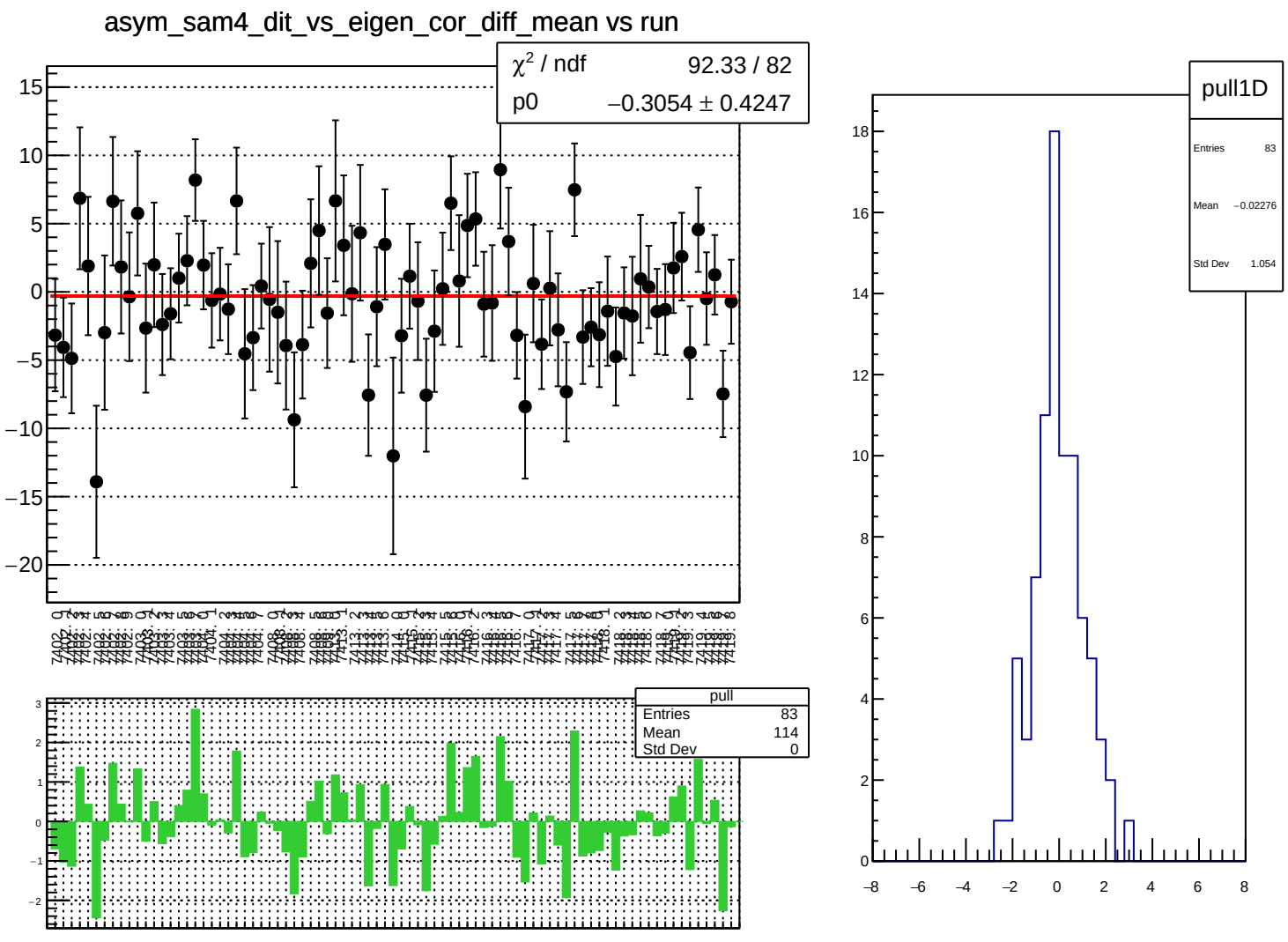

asym_sam4_rms vs run
χ² / ndf 9430 / 82
p0 2070 ± 1.653
2400
2300
2200
2100
2000
1900
1800
1700

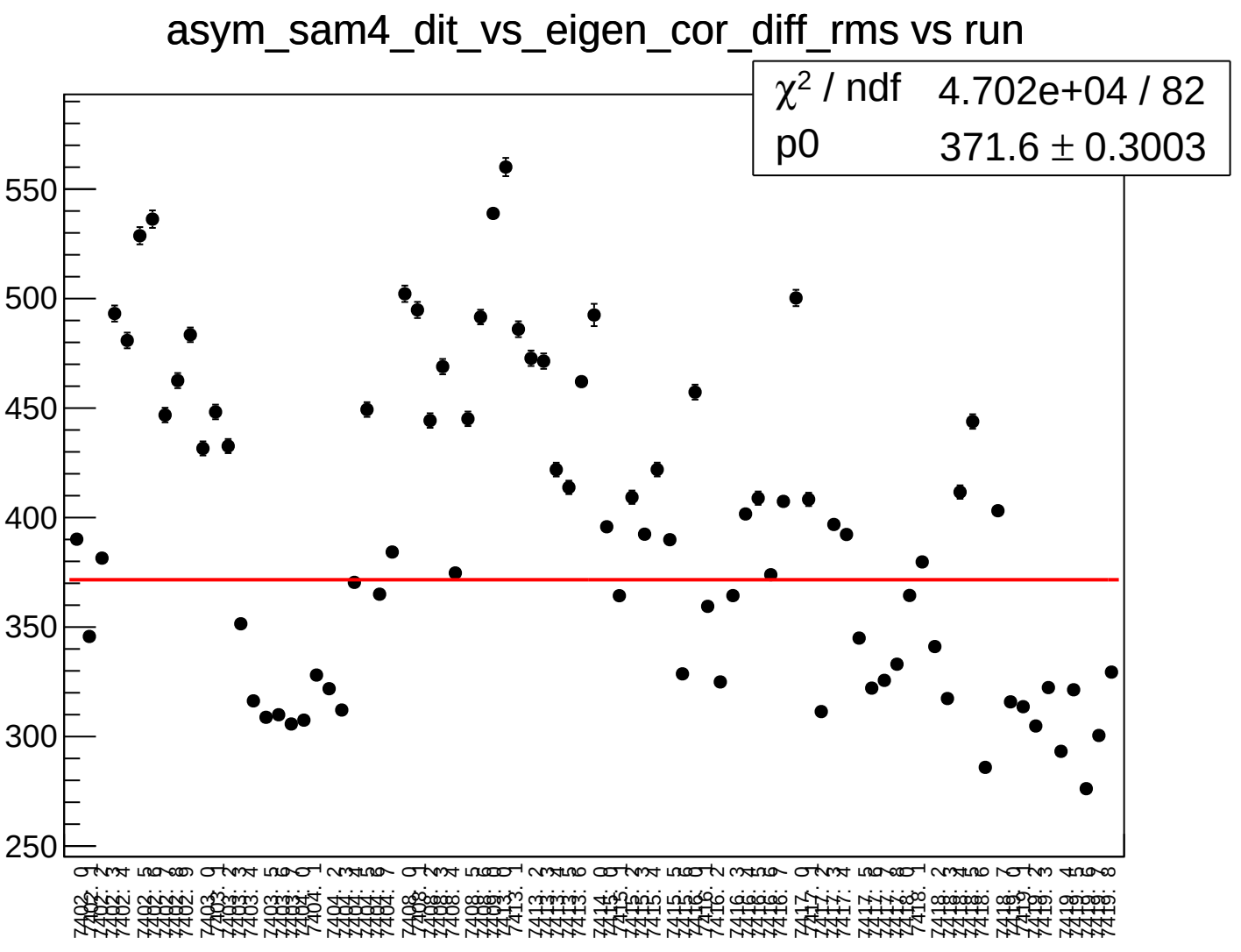

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 88.85 / 82
p0 −2.134e−13 ± 1.074e−13
pull
Entries 83
Mean −52.33
Std Dev 0
pull1D
Entries 83
Mean −0.03309
Std Dev 1.034

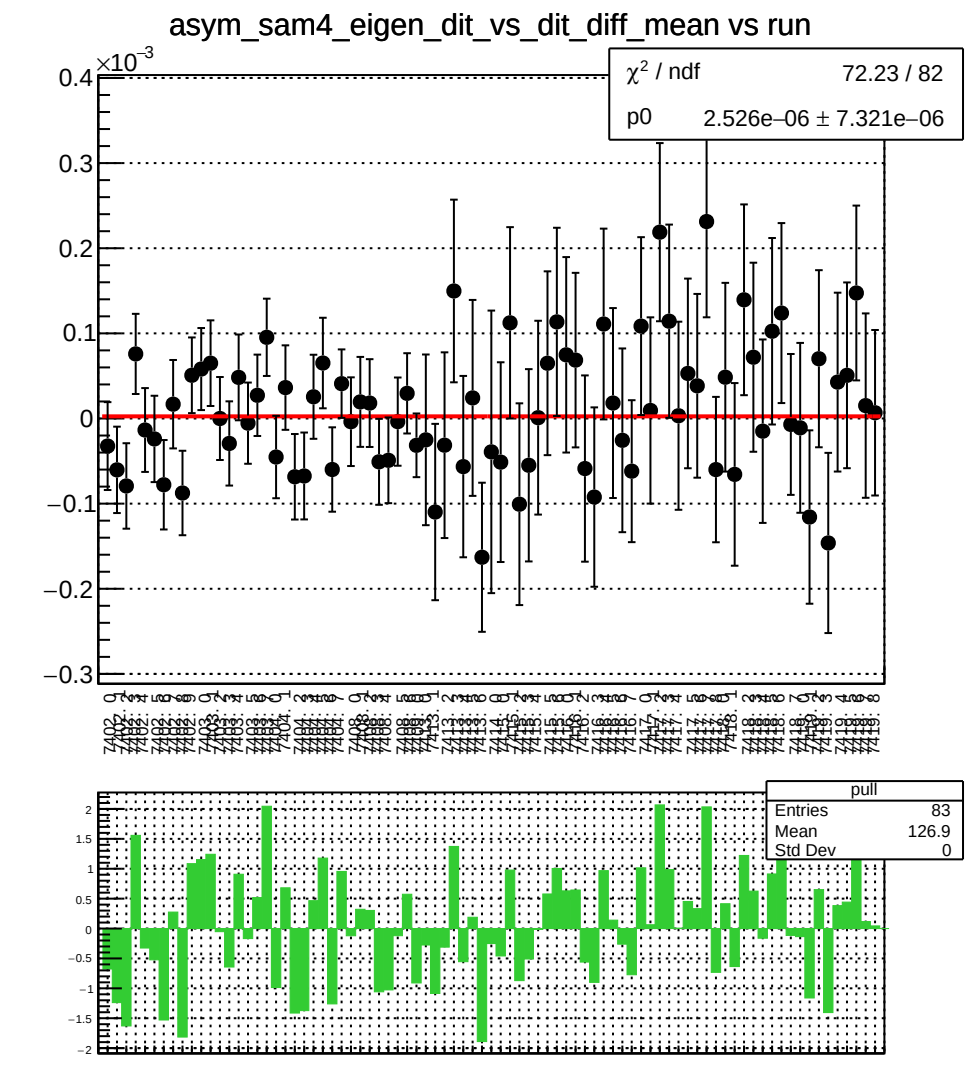

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 1.307e+06 / 82
p0 3.954e−11 ± 7.594e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

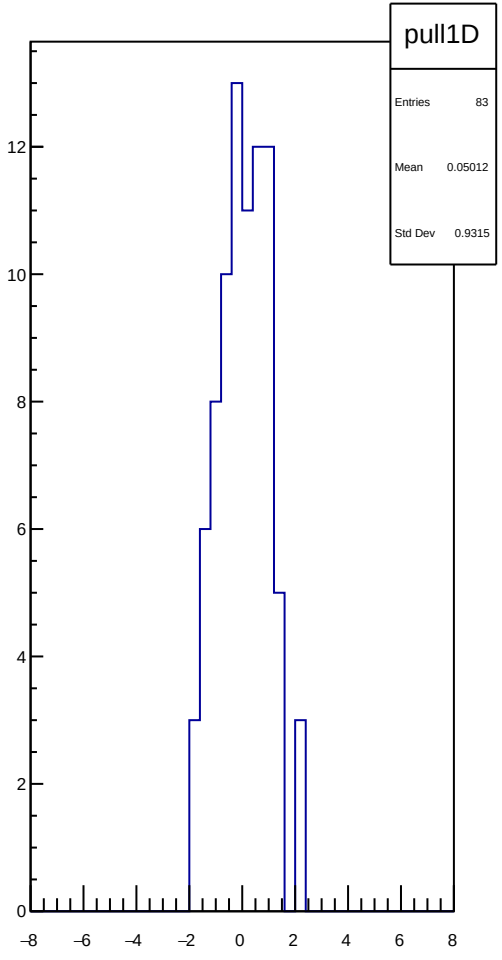

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 −0.3054 ± 0.4247
pull
Entries 83
Mean 114
Std Dev 0
pull1D
Entries 83
Mean −0.02276
Std Dev 1.054

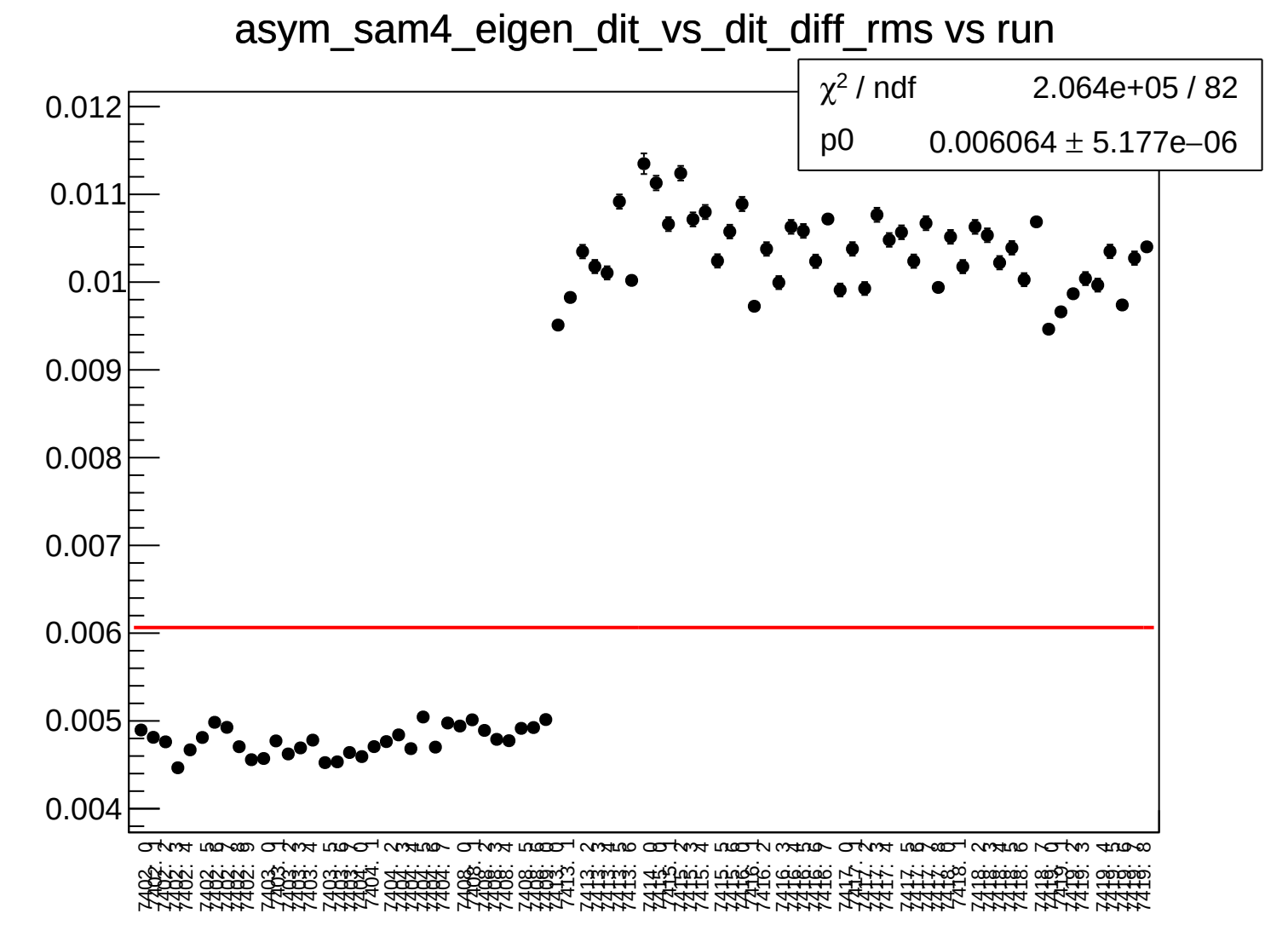

asym_sam4_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.702e+04 / 82
p0 371.6 ± 0.3003
550
500
450
400
350
300
250

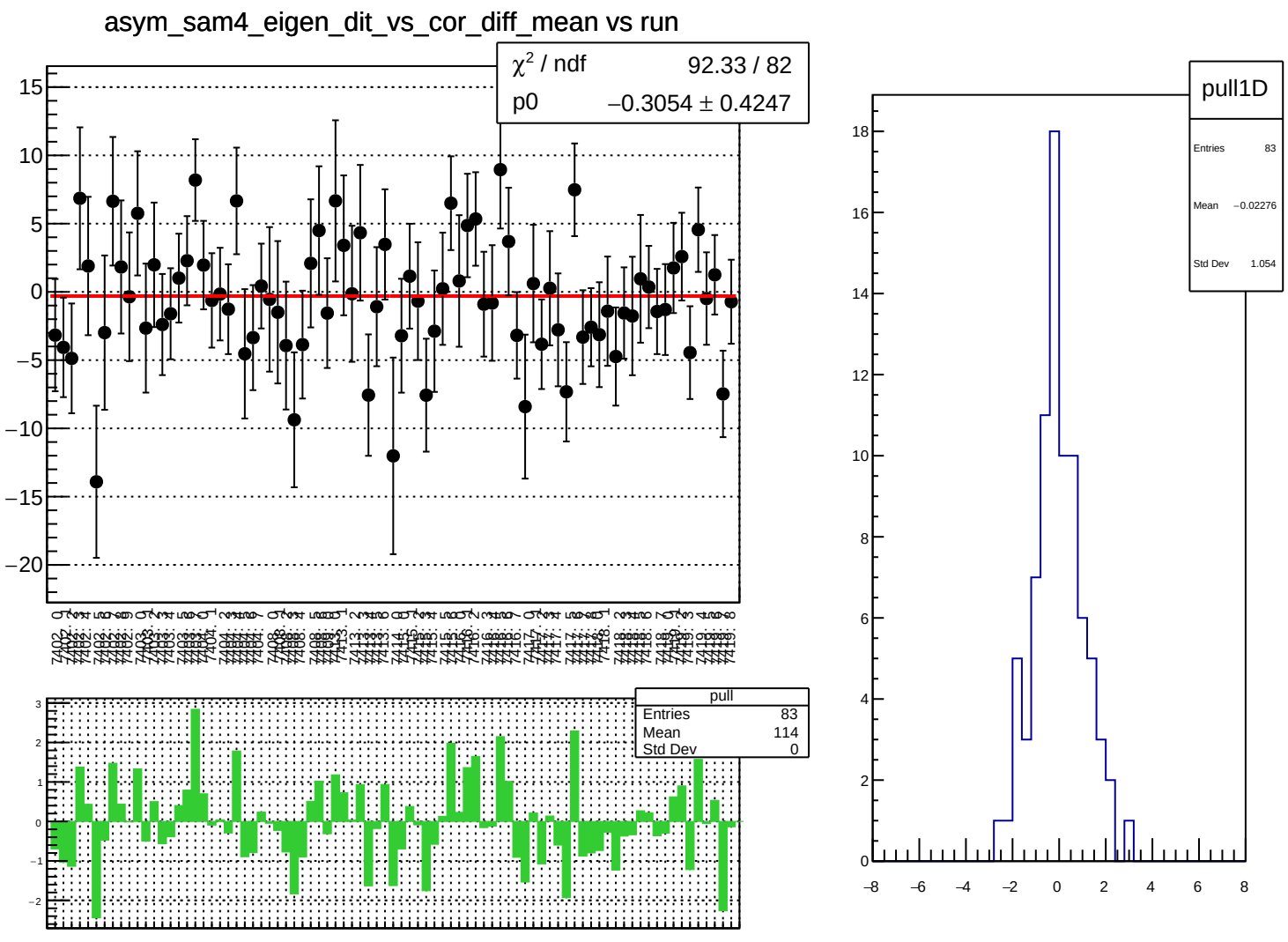

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 −0.3054 ± 0.4247
pull
Entries 83
Mean 114
Std Dev 0
pull1D
Entries 83
Mean −0.02276
Std Dev 1.054

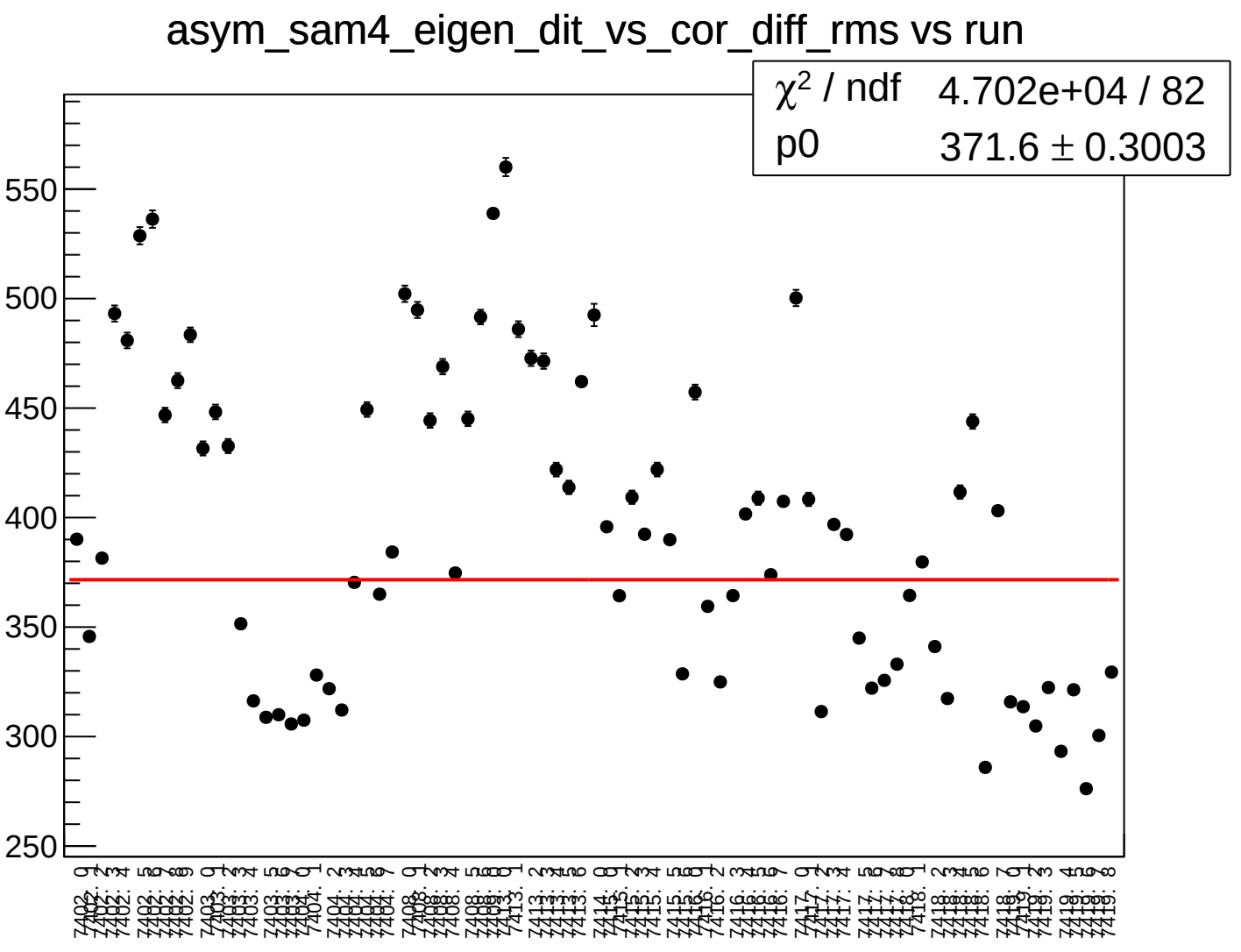

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.702e+04 / 82
p0 371.6 ± 0.3003
550
500
450
400
350
300
250

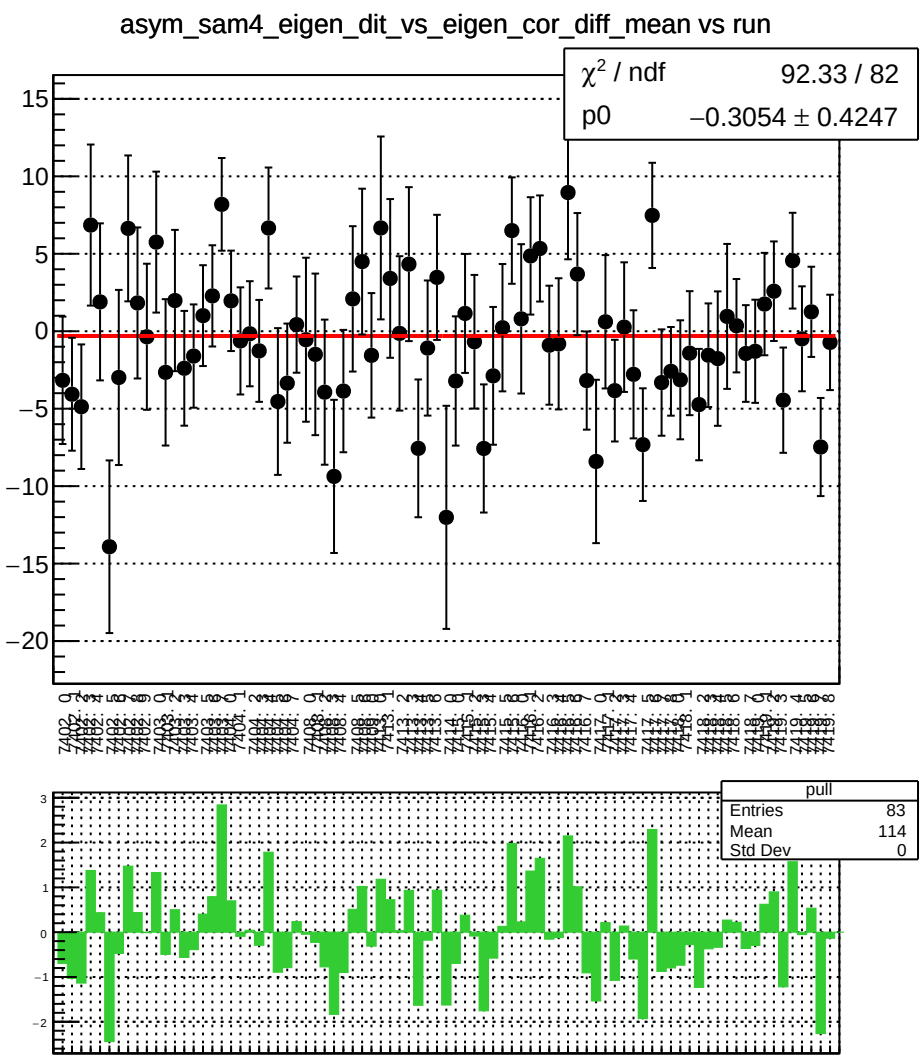

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.23 / 82
p0 2.526e−06 ± 7.321e−06
pull
Entries 83
Mean 126.9
Std Dev 0

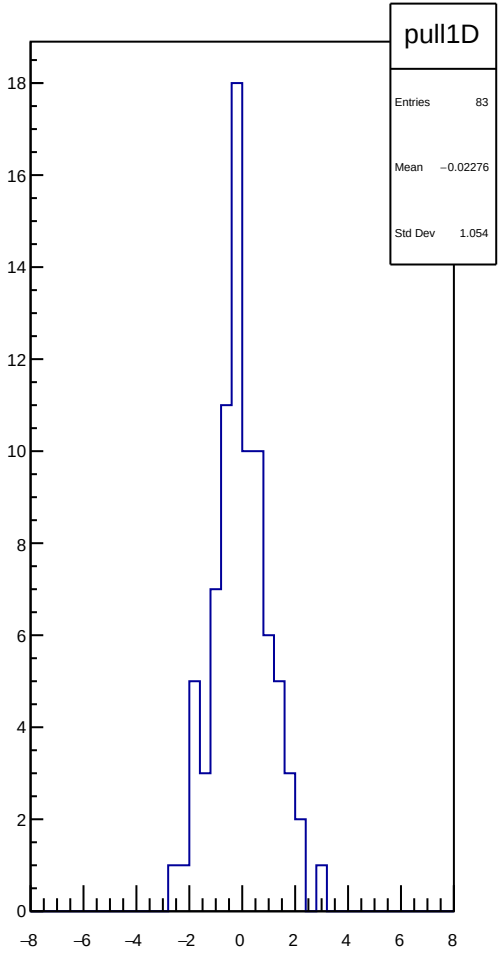

pull1D
Entries 83
Mean 0.05012
Std Dev 0.9315

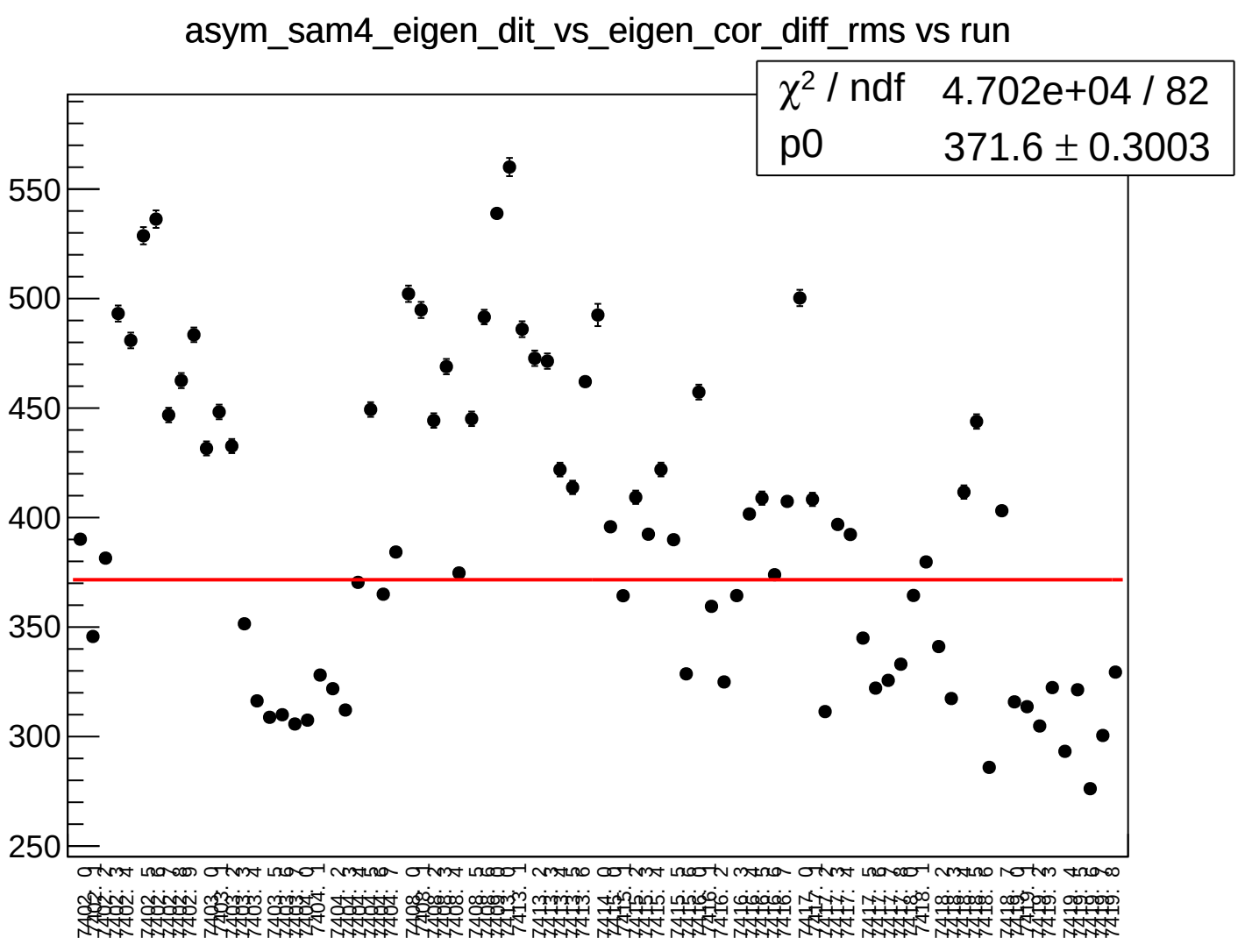

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.064e+05 / 82
p0 0.006064 ± 5.177e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

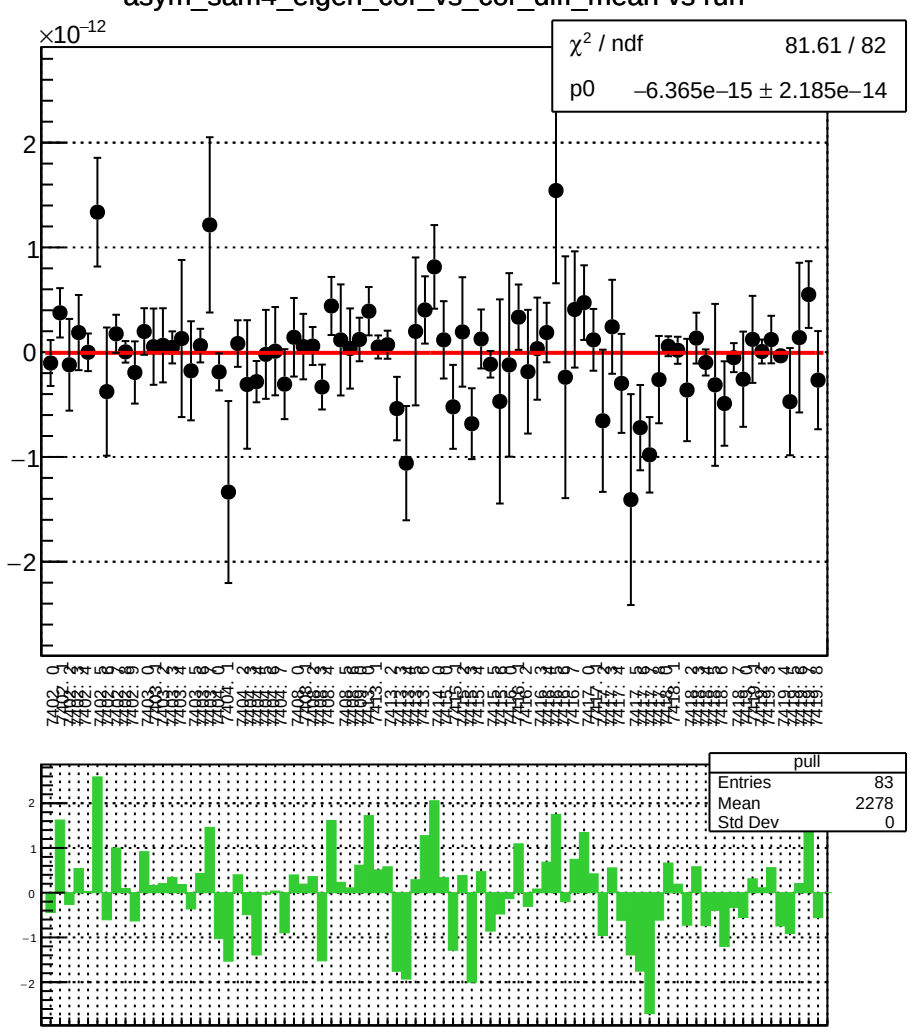

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 −0.3054 ± 0.4247
pull
Entries 83
Mean 114
Std Dev 0
pull1D
Entries 83
Mean −0.02276
Std Dev 1.054

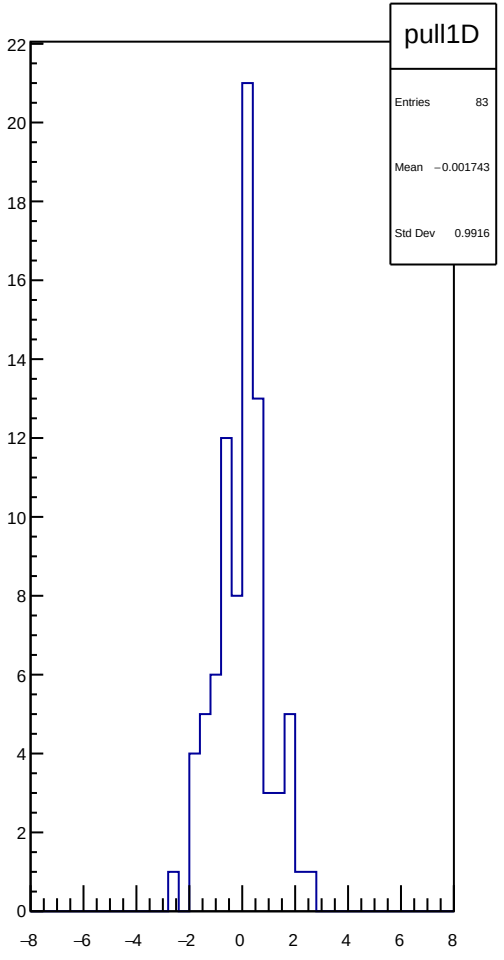

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.702e+04 / 82
p0 371.6 ± 0.3003
550
500
450
400
350
300
250

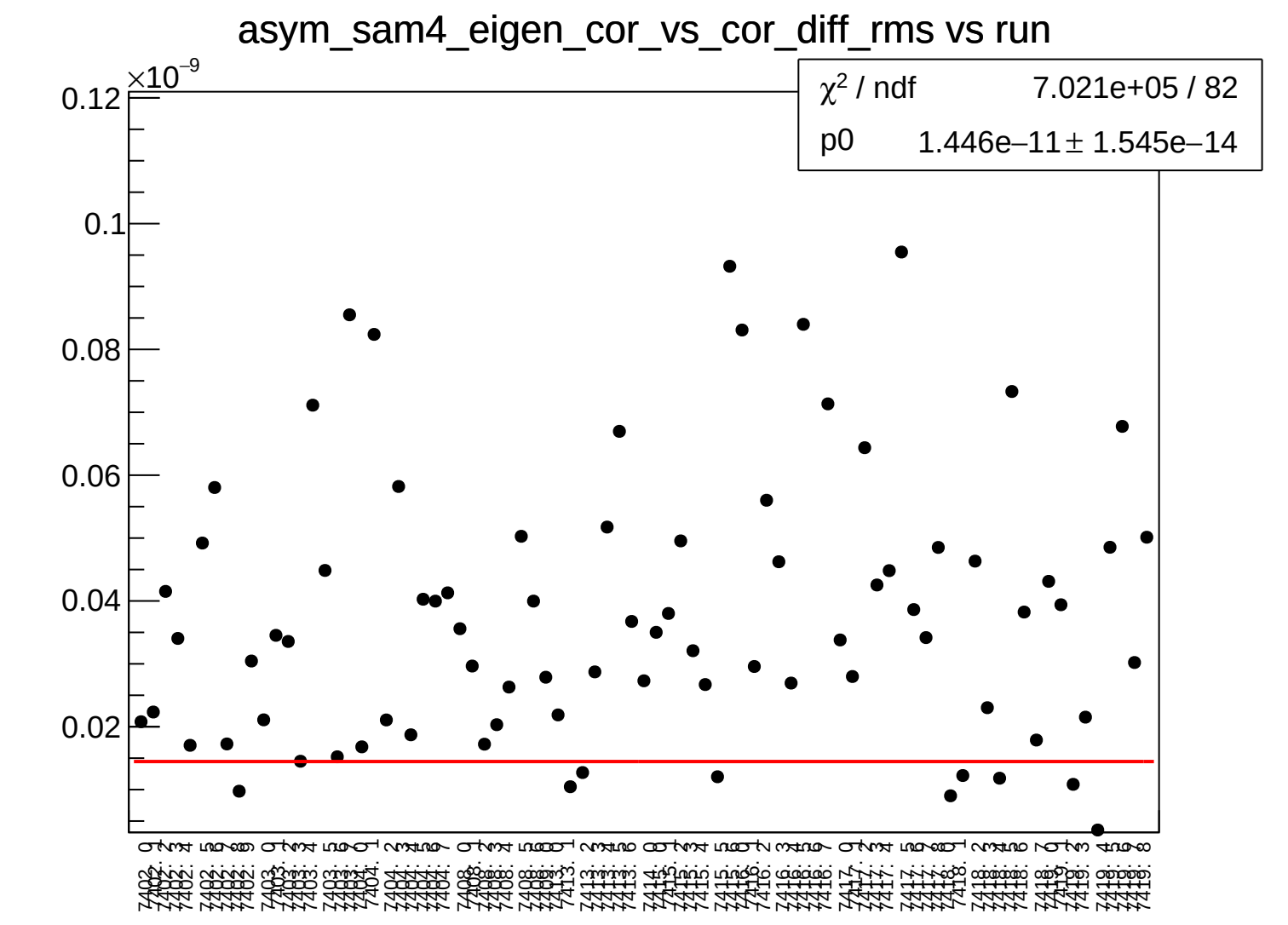

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.33 / 82
p0 −0.3054 ± 0.4247
pull
Entries 83
Mean 114
Std Dev 0

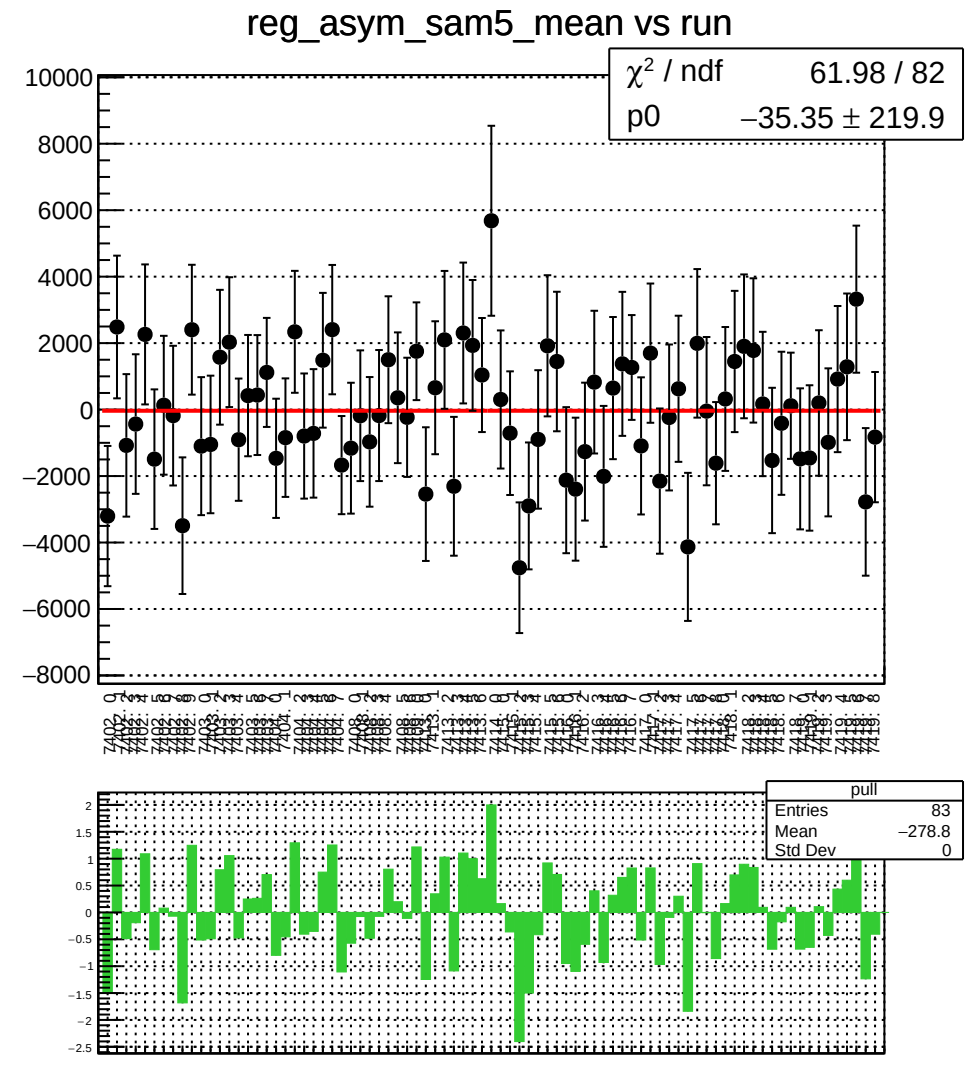

pull1D
Entries 83
Mean −0.02276
Std Dev 1.054

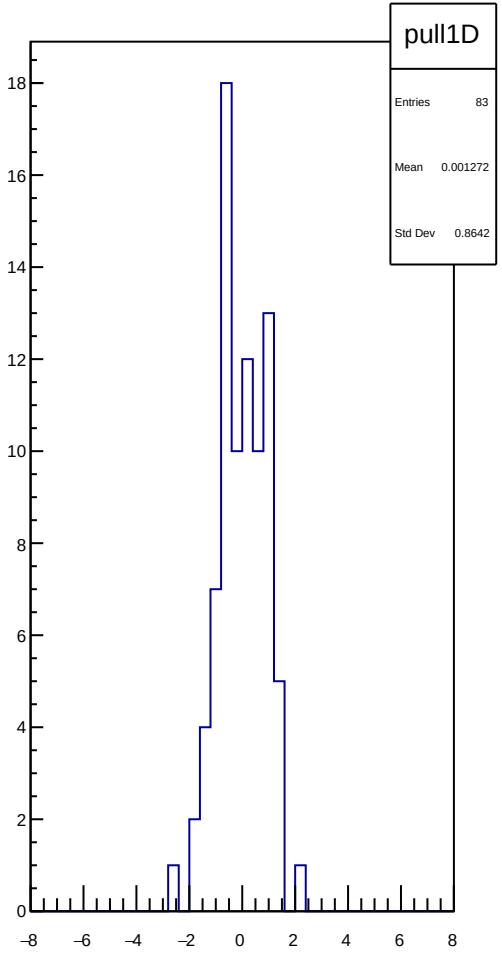

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.702e+04 / 82
p0 371.6 ± 0.3003
550
500
450
400
350
300
250

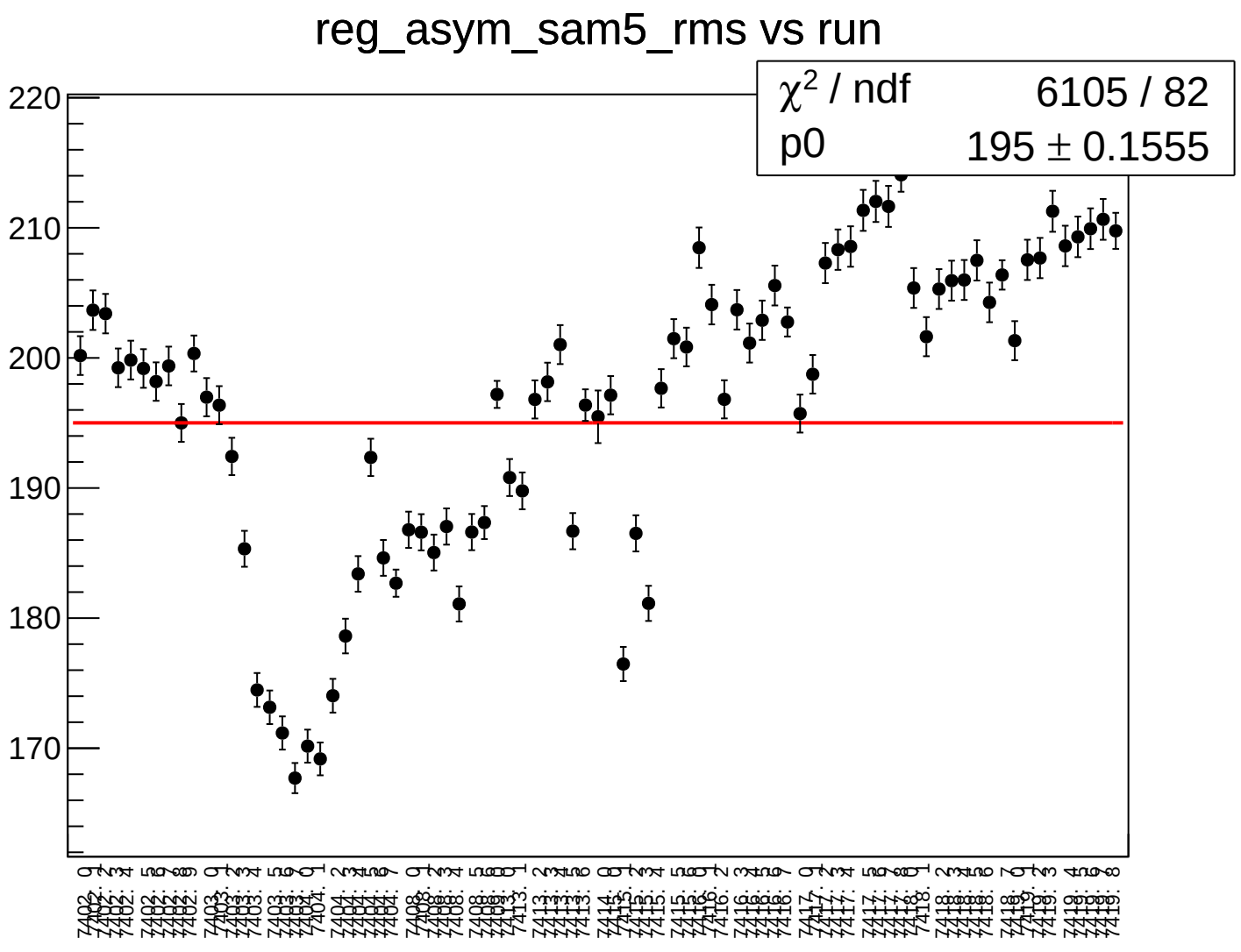

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.61 / 82
p0 −6.365e−15 ± 2.185e−14
pull
Entries 83
Mean 2278
Std Dev 0

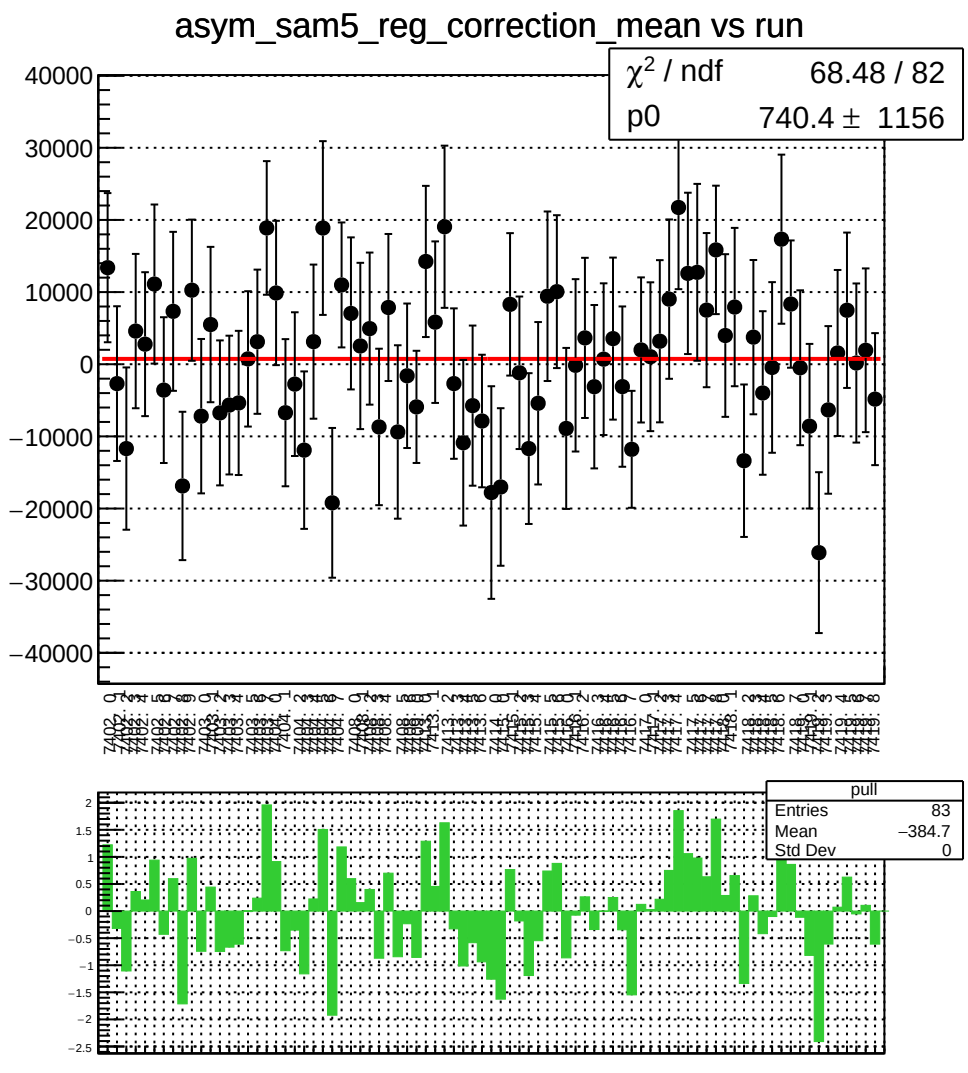

pull1D
Entries 83
Mean −0.001743
Std Dev 0.9916

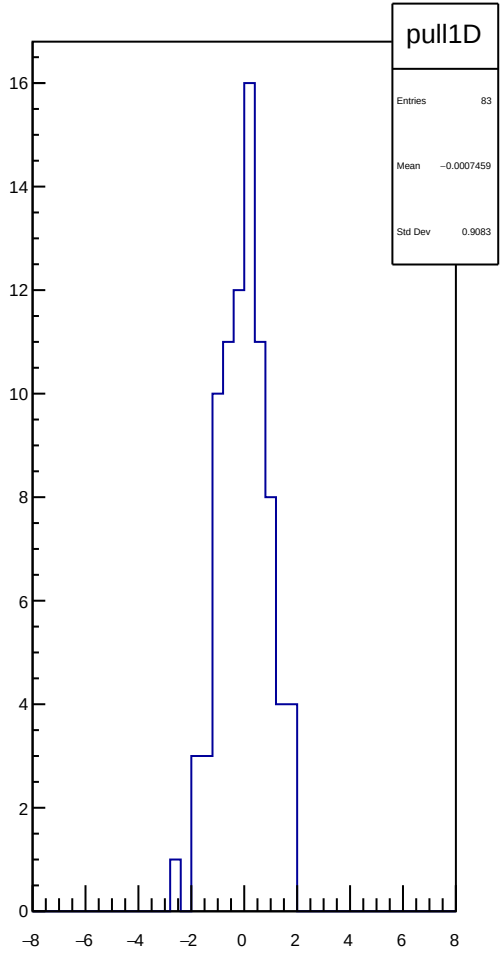

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
χ² / ndf 7.021e+05 / 82
p0 1.446e−11 ± 1.545e−14

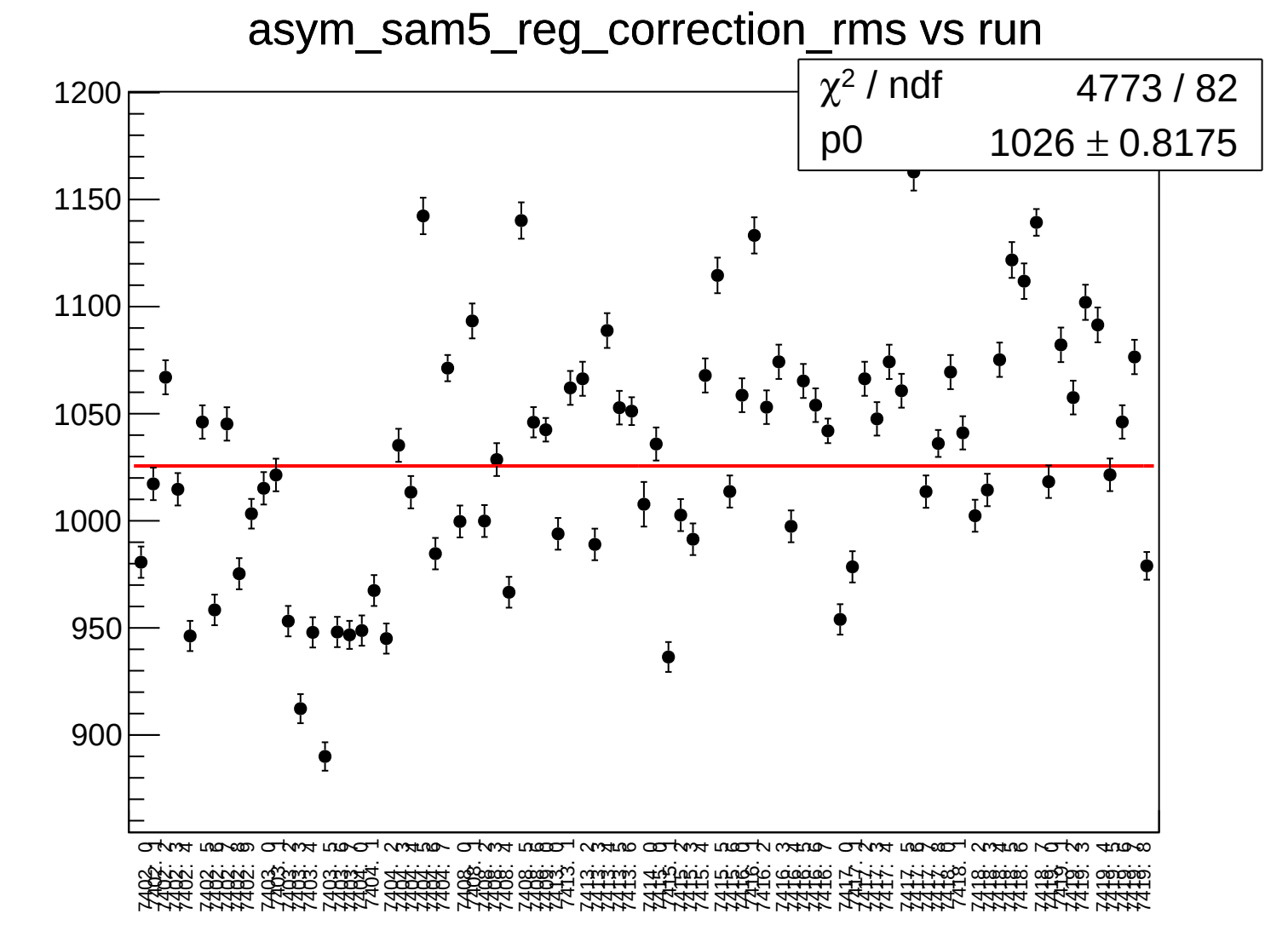

reg_asym_sam5_mean vs run
χ^2 / ndf 61.98 / 82
p0 −35.35 ± 219.9
pull
Entries 83
Mean −278.8
Std Dev 0

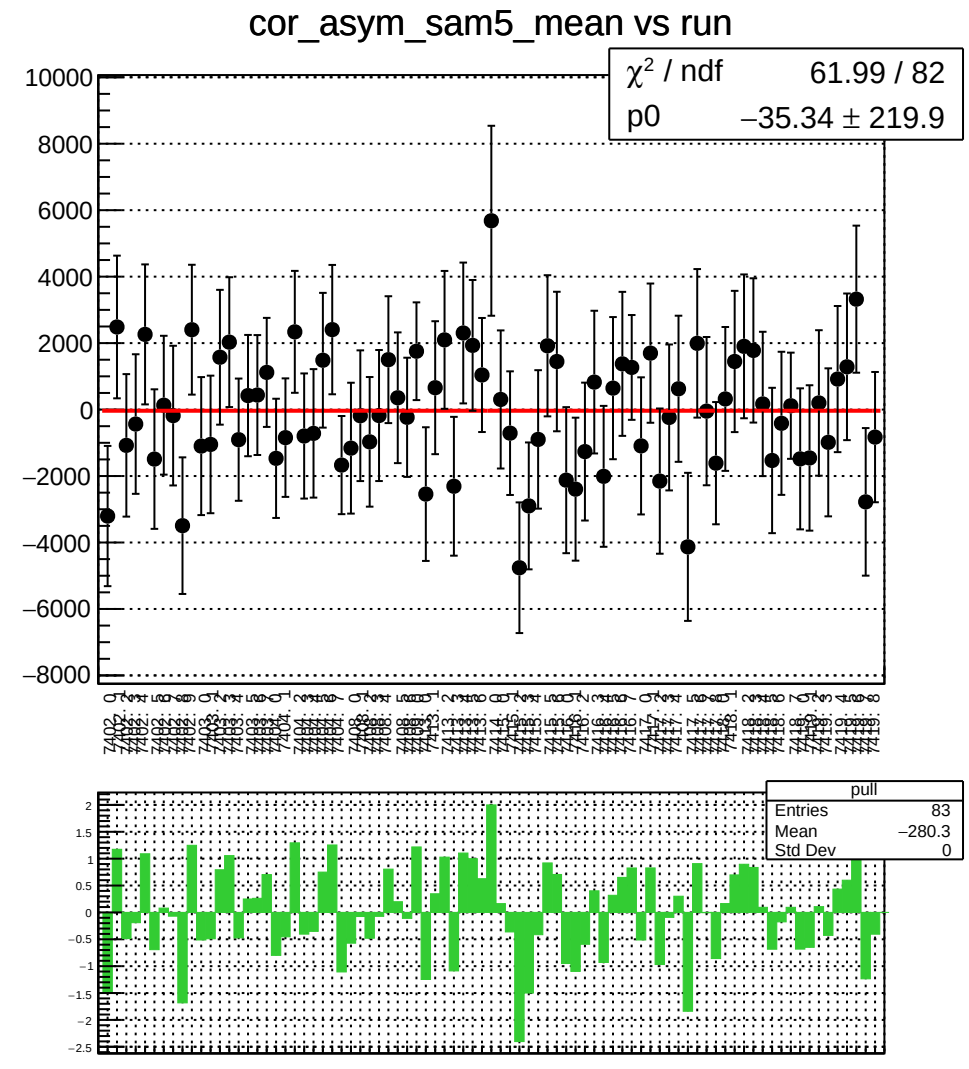

pull1D
Entries 83
Mean 0.001272
Std Dev 0.8642

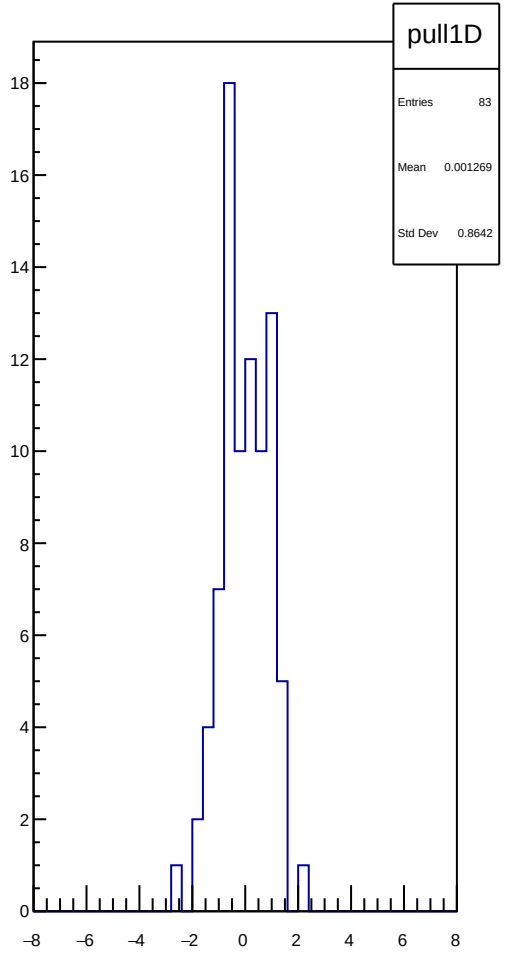

reg_asym_sam5_rms vs run
χ^2 / ndf 6105 / 82
p0 195 ± 0.1555
220
210
200
190
180
170

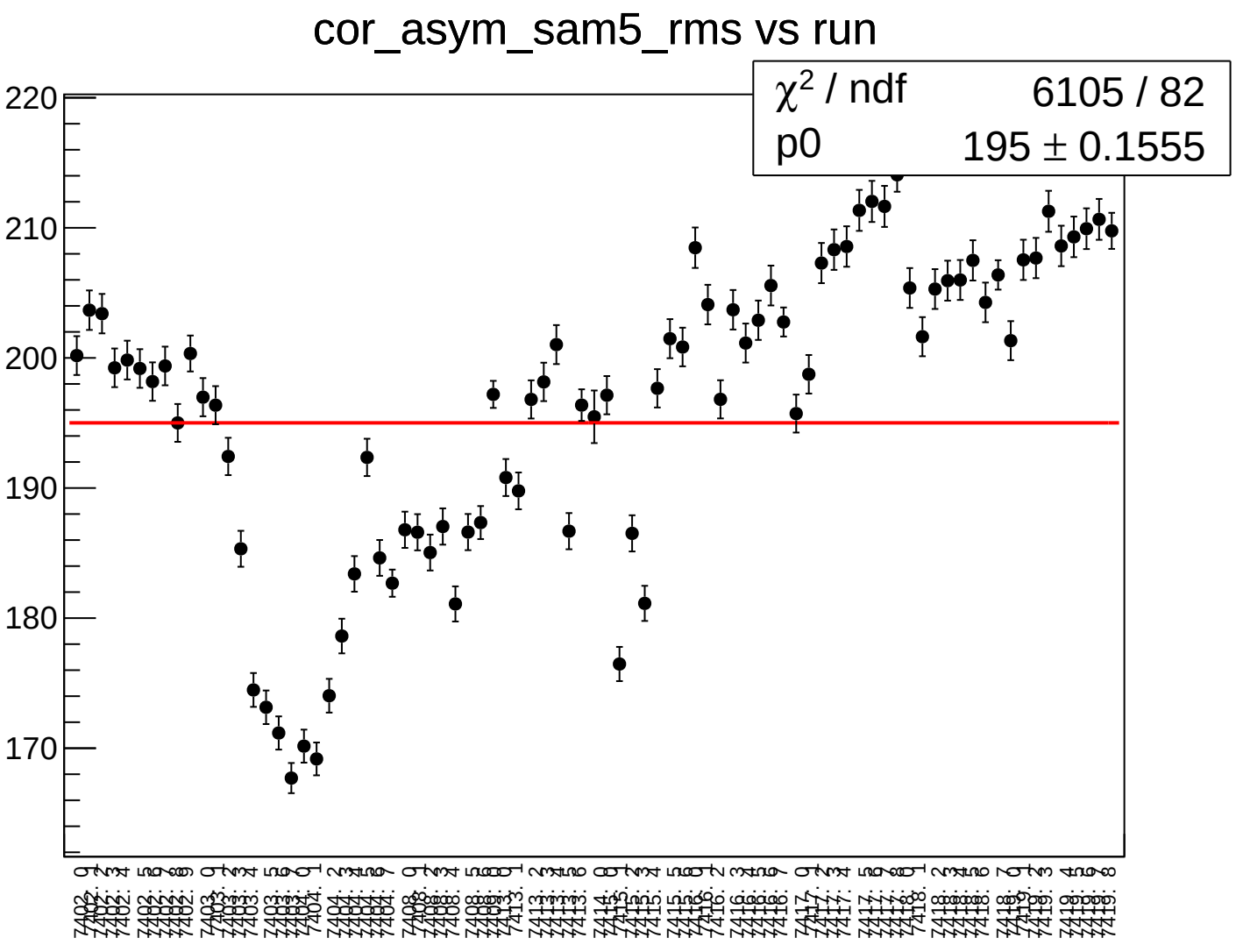

asym_sam5_reg_correction_mean vs run
χ² / ndf 68.48 / 82
p0 740.4 ± 1156
pull
Entries 83
Mean −384.7
Std Dev 0

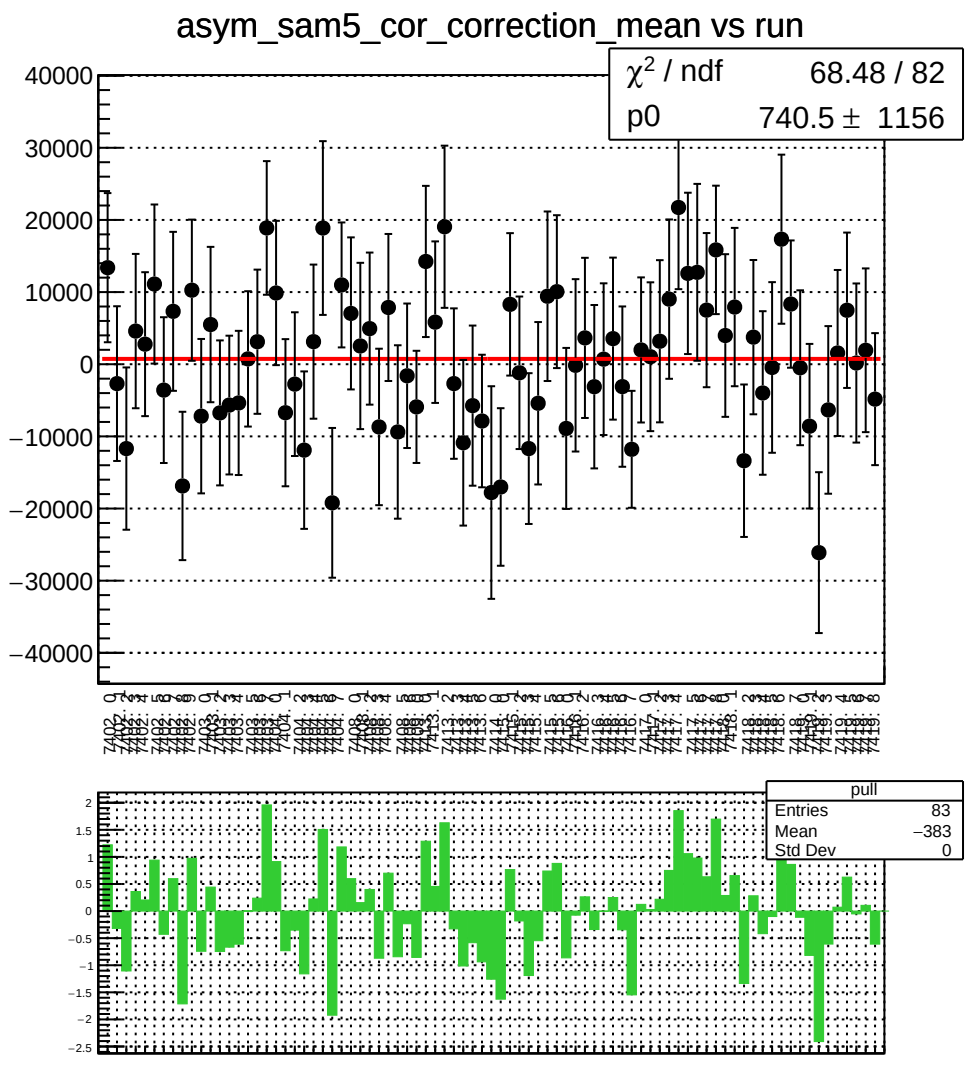

pull1D
Entries 83
Mean −0.0007459
Std Dev 0.9083

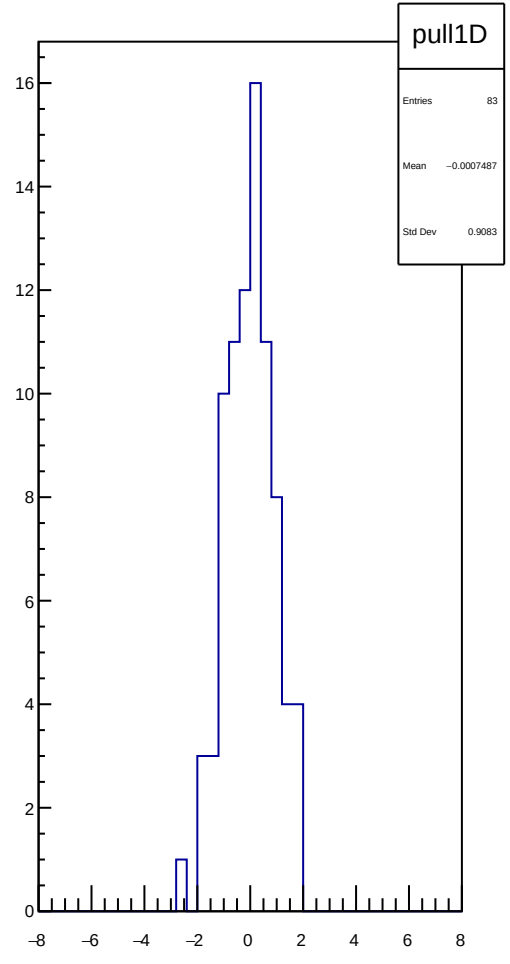

asym_sam5_reg_correction_rms vs run
χ² / ndf 4773 / 82
p0 1026 ± 0.8175
1200
1150
1100
1050
1000
950
900

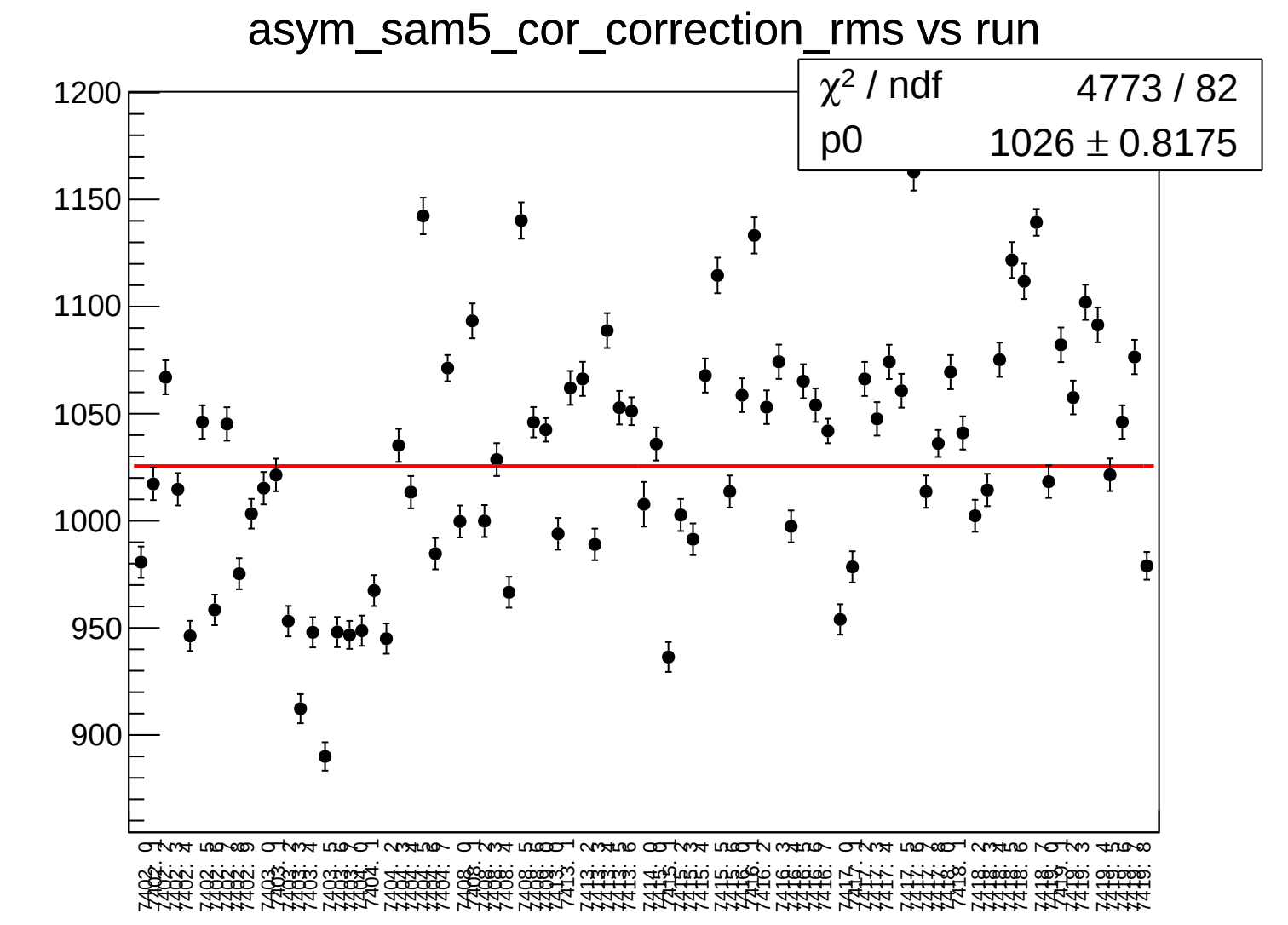

cor_asym_sam5_mean vs run
χ² / ndf 61.99 / 82
p0 −35.34 ± 219.9
pull
Entries 83
Mean −280.3
Std Dev 0

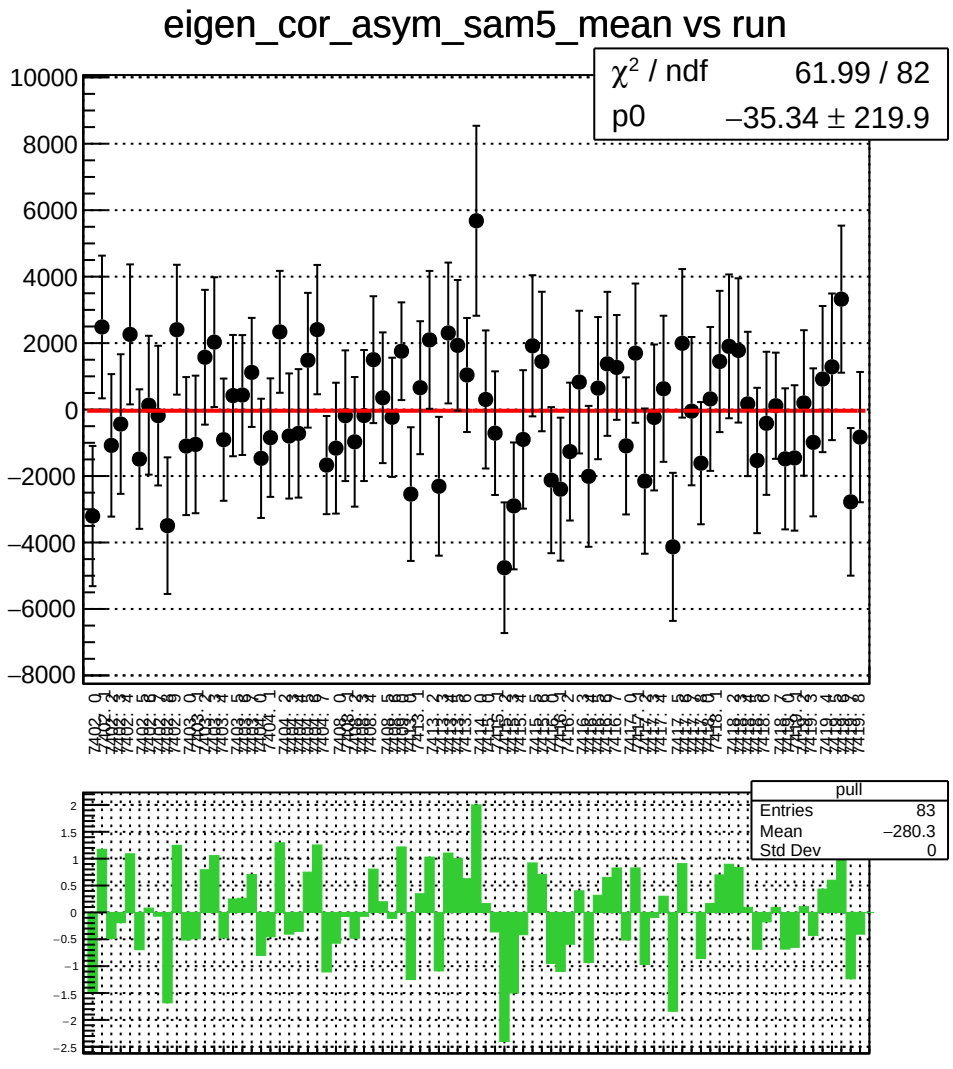

pull1D
Entries 83
Mean 0.001269
Std Dev 0.8642

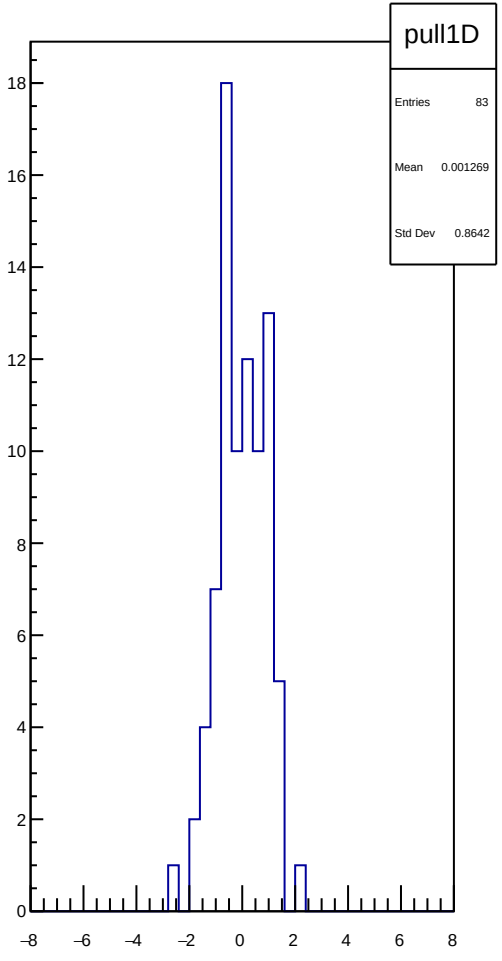

cor_asym_sam5_rms vs run
χ² / ndf 6105 / 82
p0 195 ± 0.1555
220
210
200
190
180
170

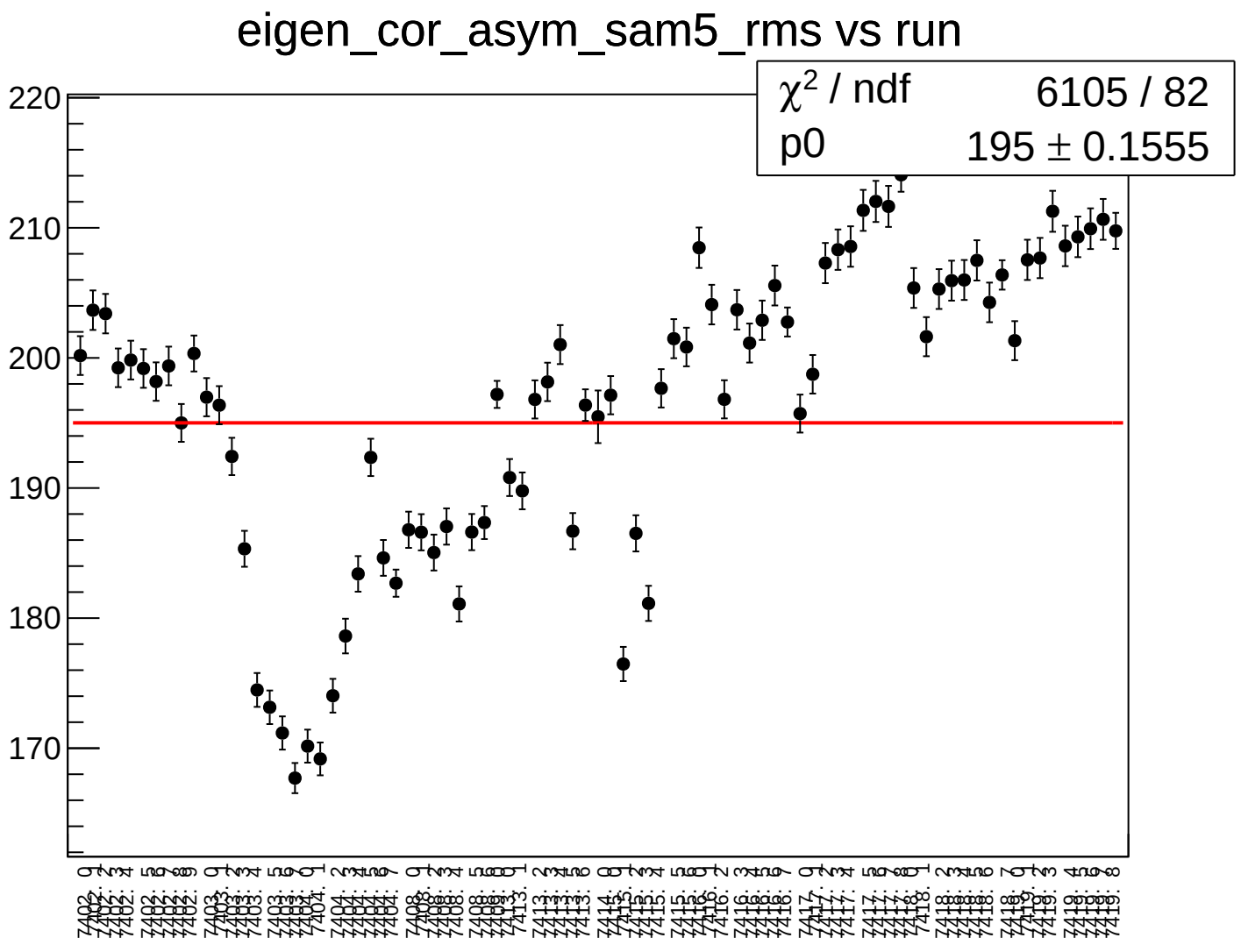

asym_sam5_cor_correction_mean vs run
χ² / ndf 68.48 / 82
p0 740.5 ± 1156
pull
Entries 83
Mean −383
Std Dev 0

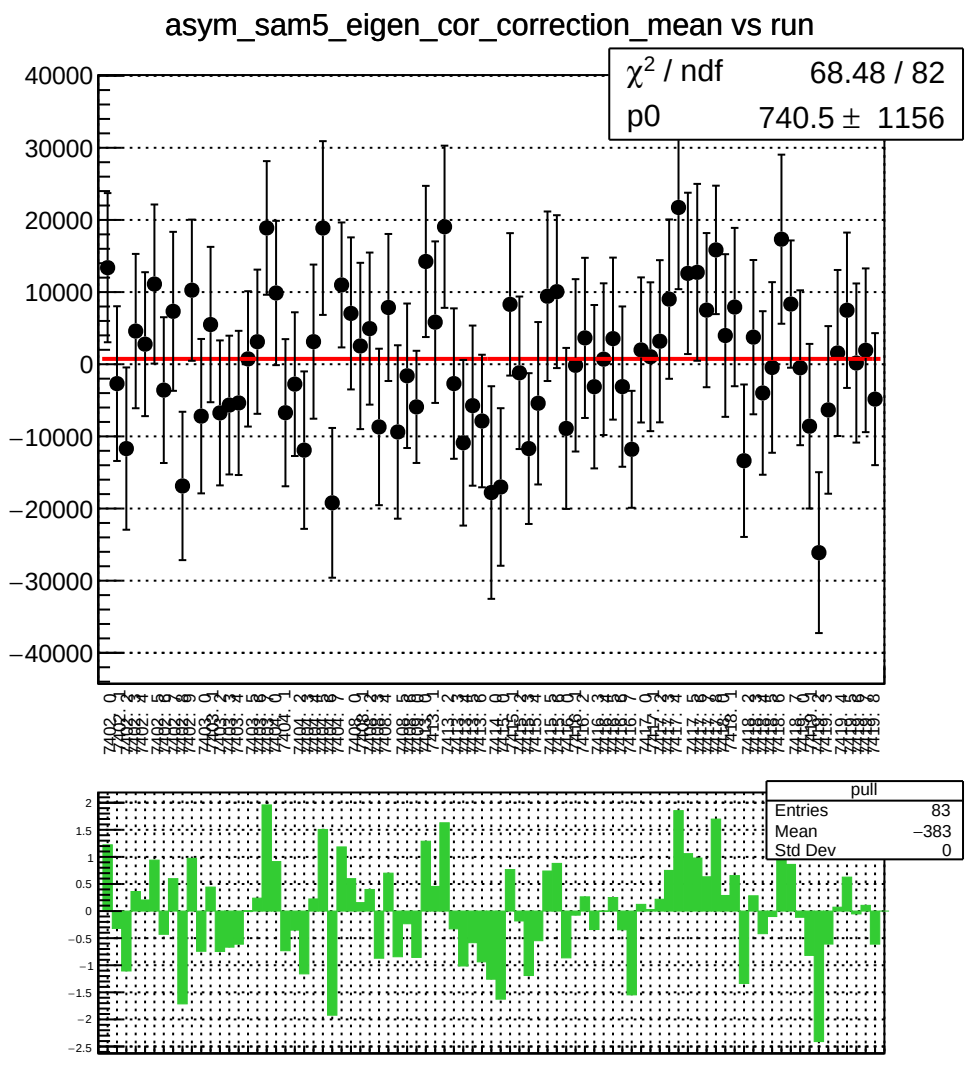

pull1D
Entries 83
Mean −0.0007487
Std Dev 0.9083

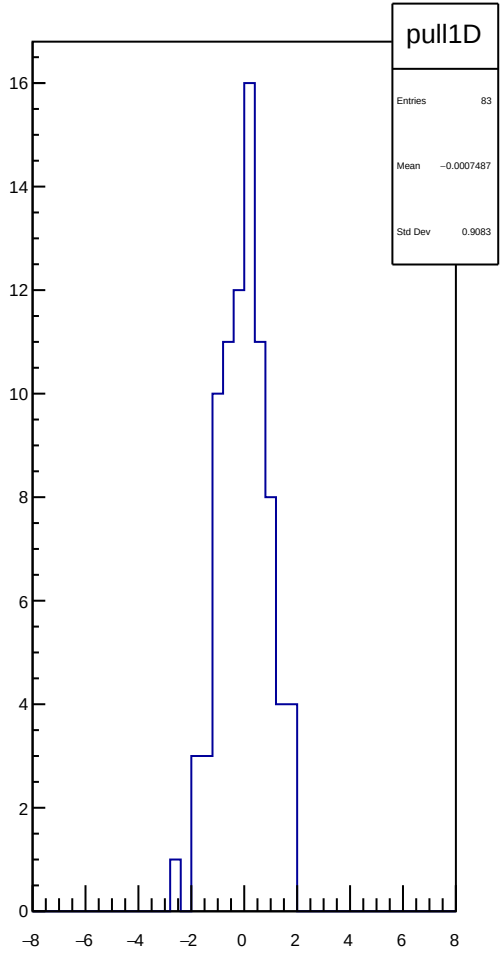

asym_sam5_cor_correction_rms vs run
χ² / ndf 4773 / 82
p0 1026 ± 0.8175
1200
1150
1100
1050
1000
950
900

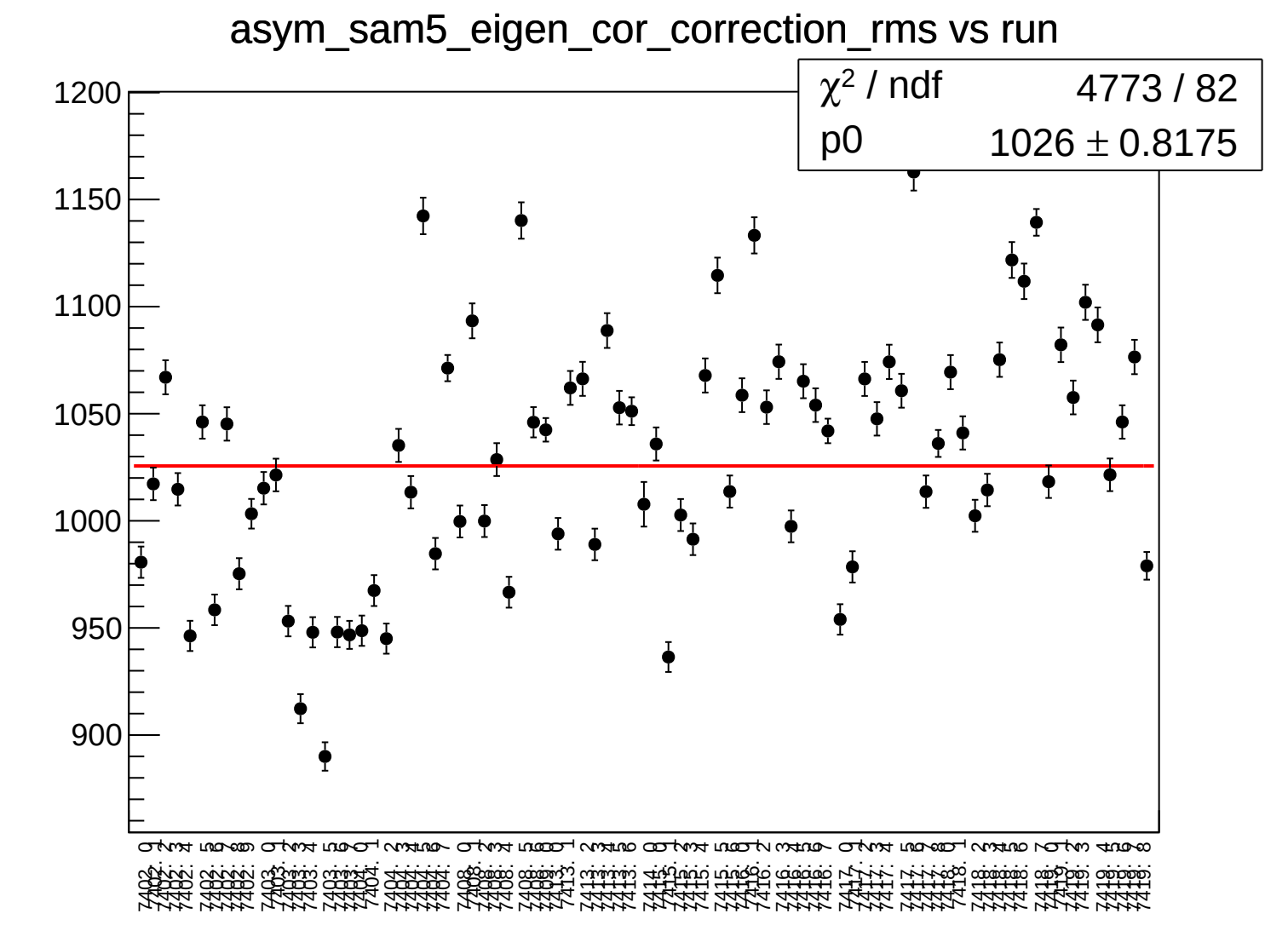

eigen_cor_asym_sam5_mean vs run
χ² / ndf 61.99 / 82
p0 −35.34 ± 219.9
pull
Entries 83
Mean −280.3
Std Dev 0

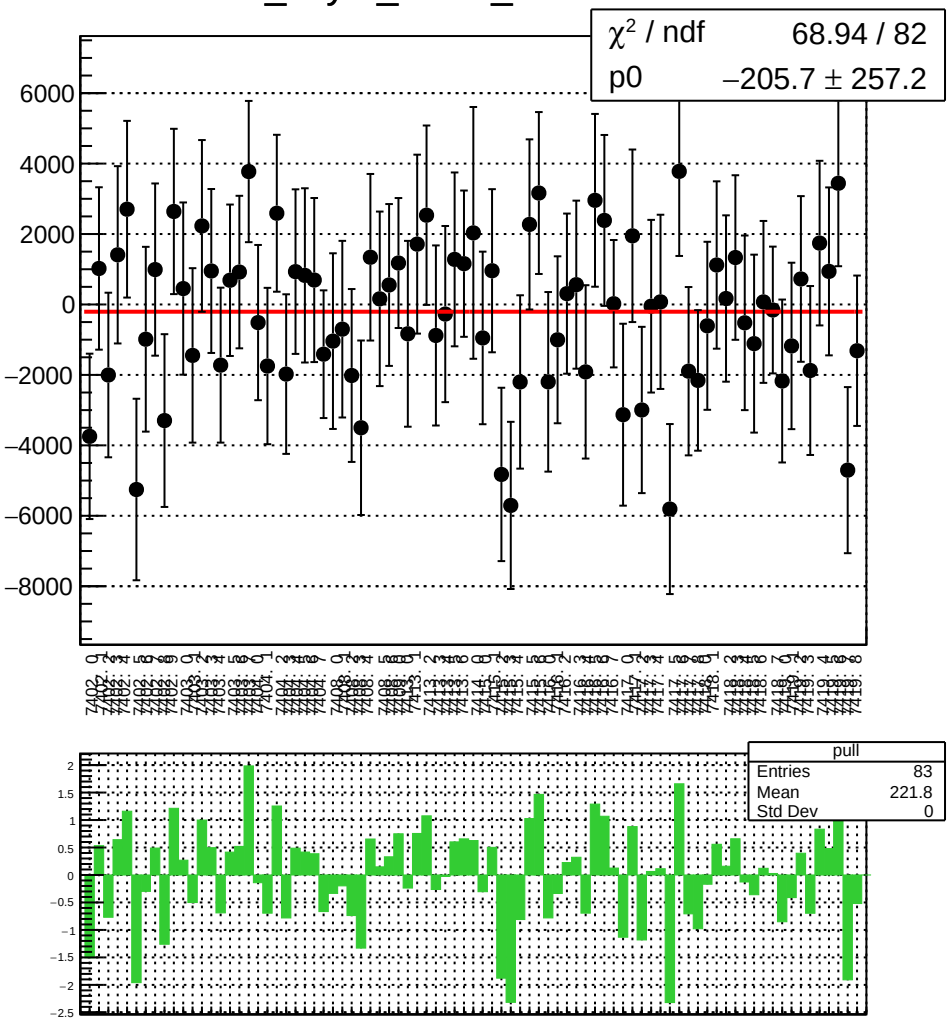

pull1D
Entries 83
Mean 0.001269
Std Dev 0.8642

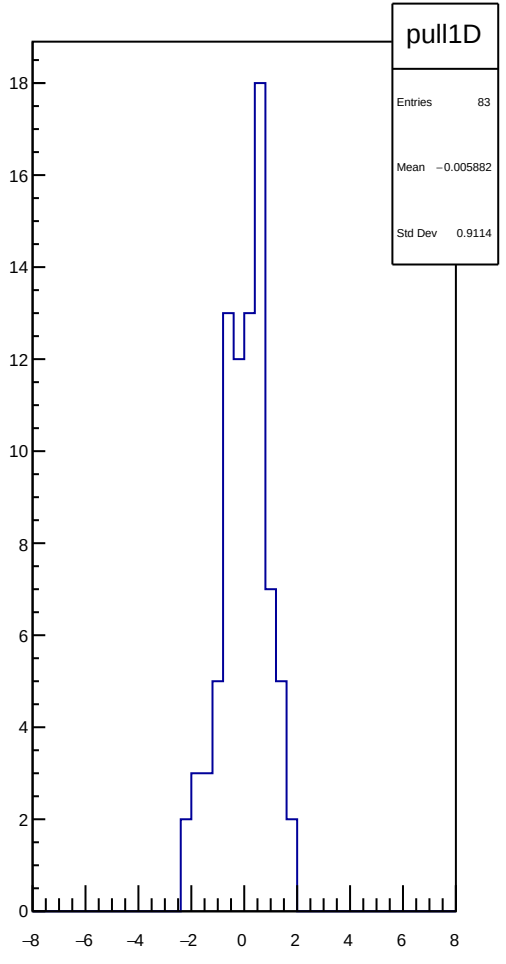

eigen_cor_asym_sam5_rms vs run
χ² / ndf 6105 / 82
p0 195 ± 0.1555
220
210
200
190
180
170

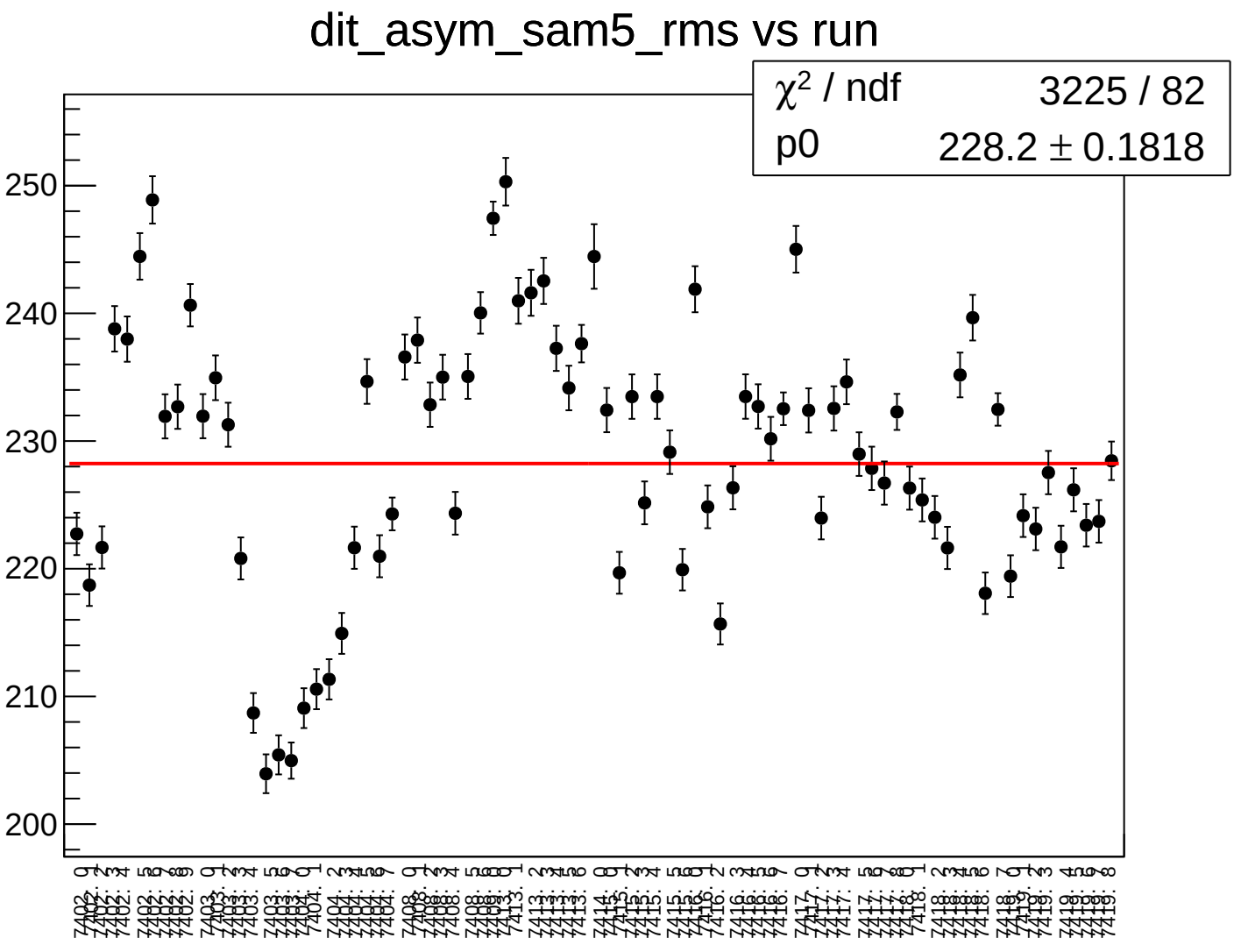

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 68.48 / 82
p0 740.5 ± 1156
pull
Entries 83
Mean −383
Std Dev 0

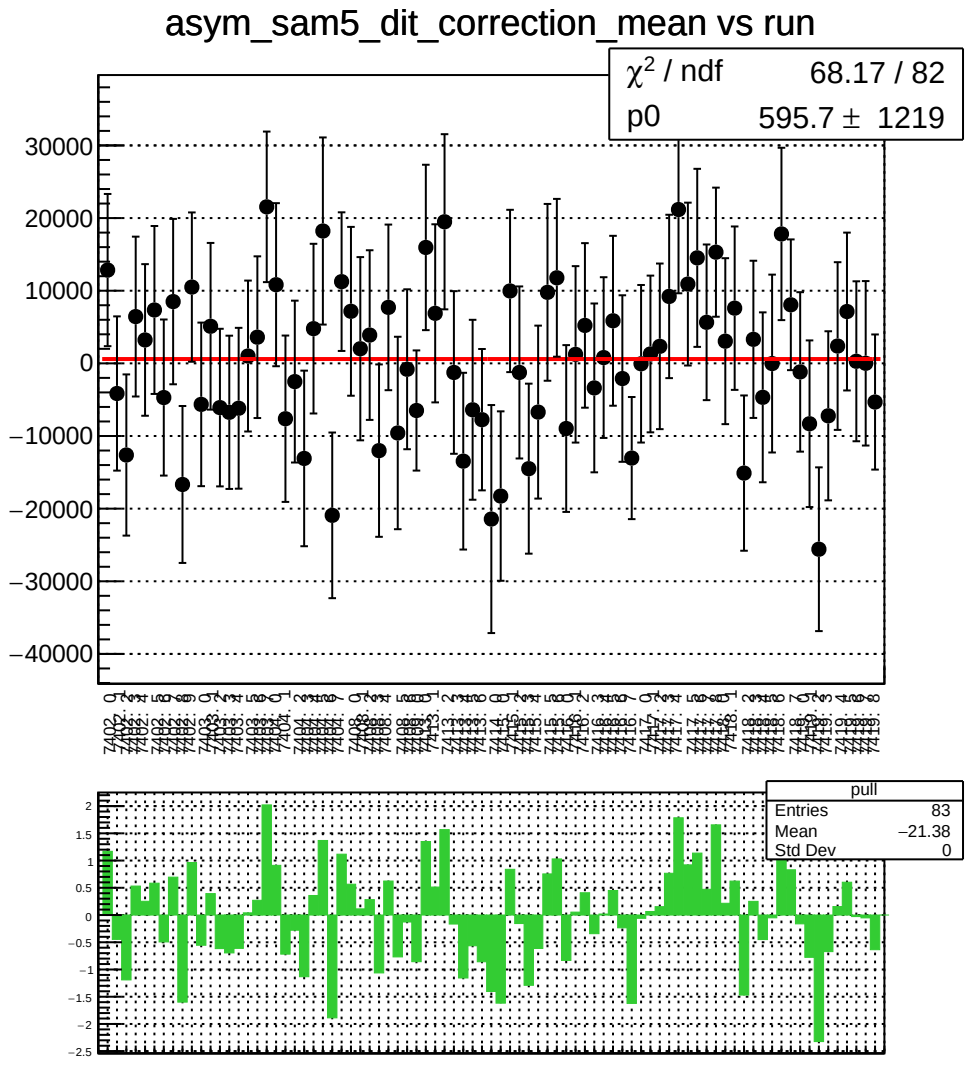

pull1D
Entries 83
Mean −0.0007487
Std Dev 0.9083

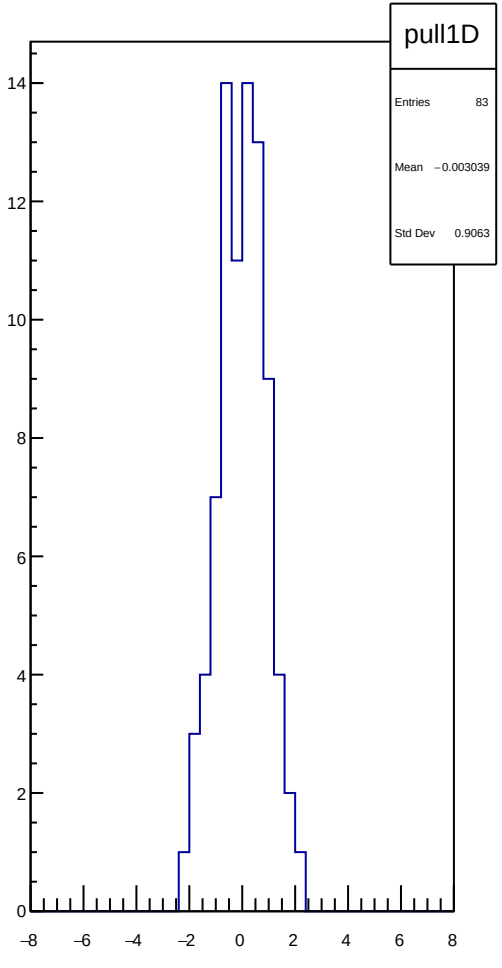

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 4773 / 82
p0 1026 ± 0.8175
1200
1150
1100
1050
1000
950
900

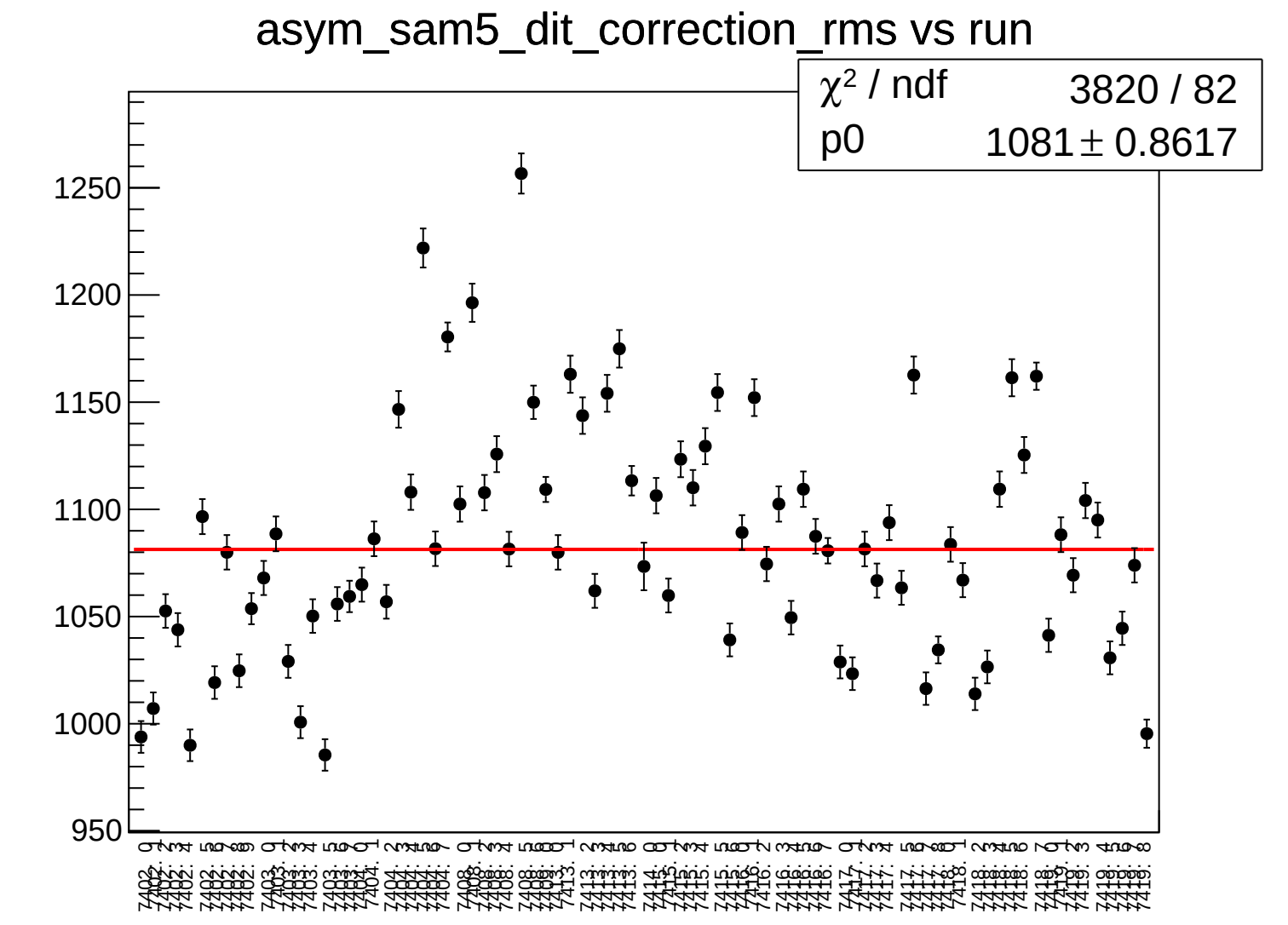

dit_asym_sam5_mean vs run
χ² / ndf 68.94 / 82
p0 −205.7 ± 257.2
pull
Entries 83
Mean 221.8
Std Dev 0

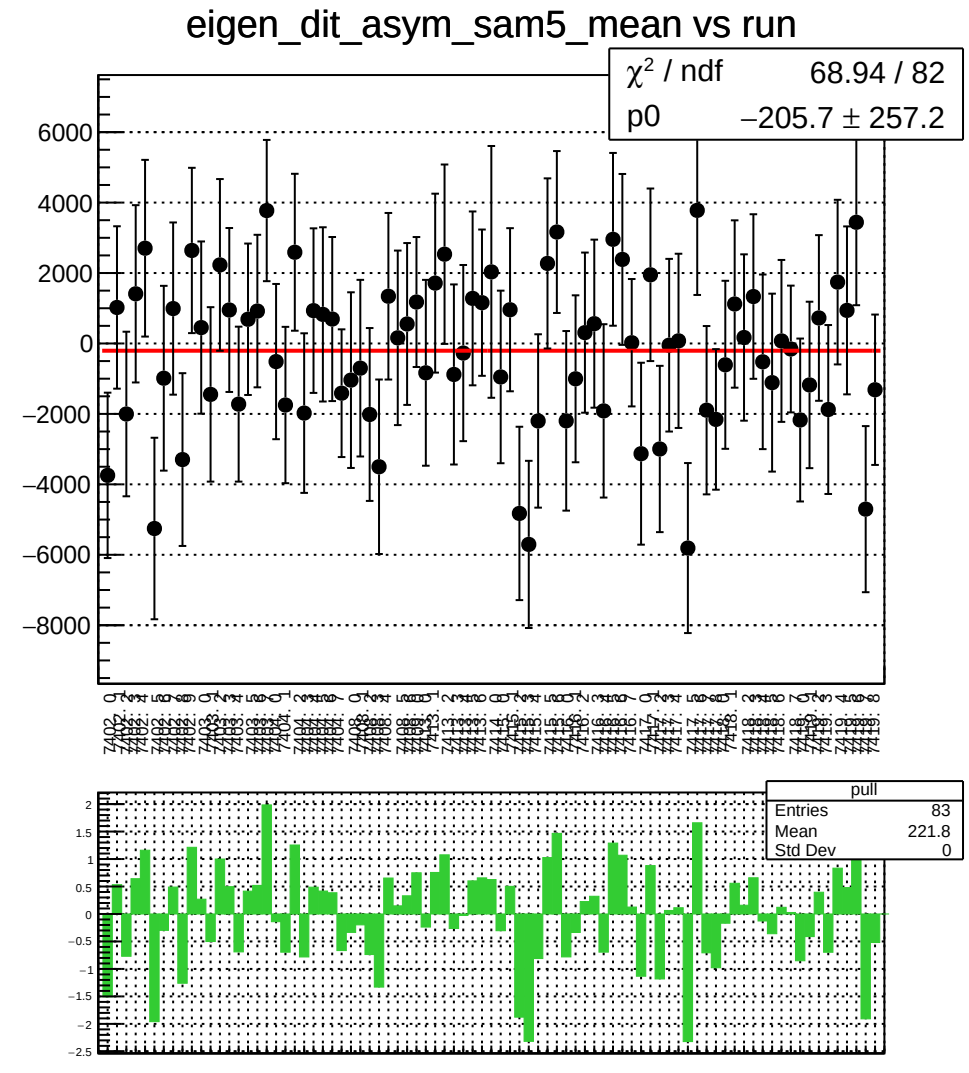

pull1D
Entries 83
Mean −0.005882
Std Dev 0.9114

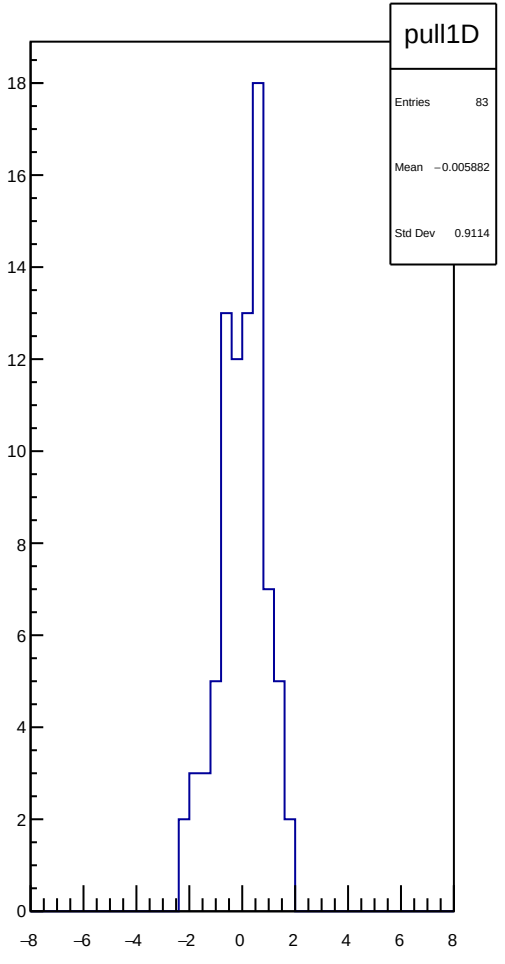

dit_asym_sam5_rms vs run
χ² / ndf 3225 / 82
p0 228.2 ± 0.1818
250
240
230
220
210
200

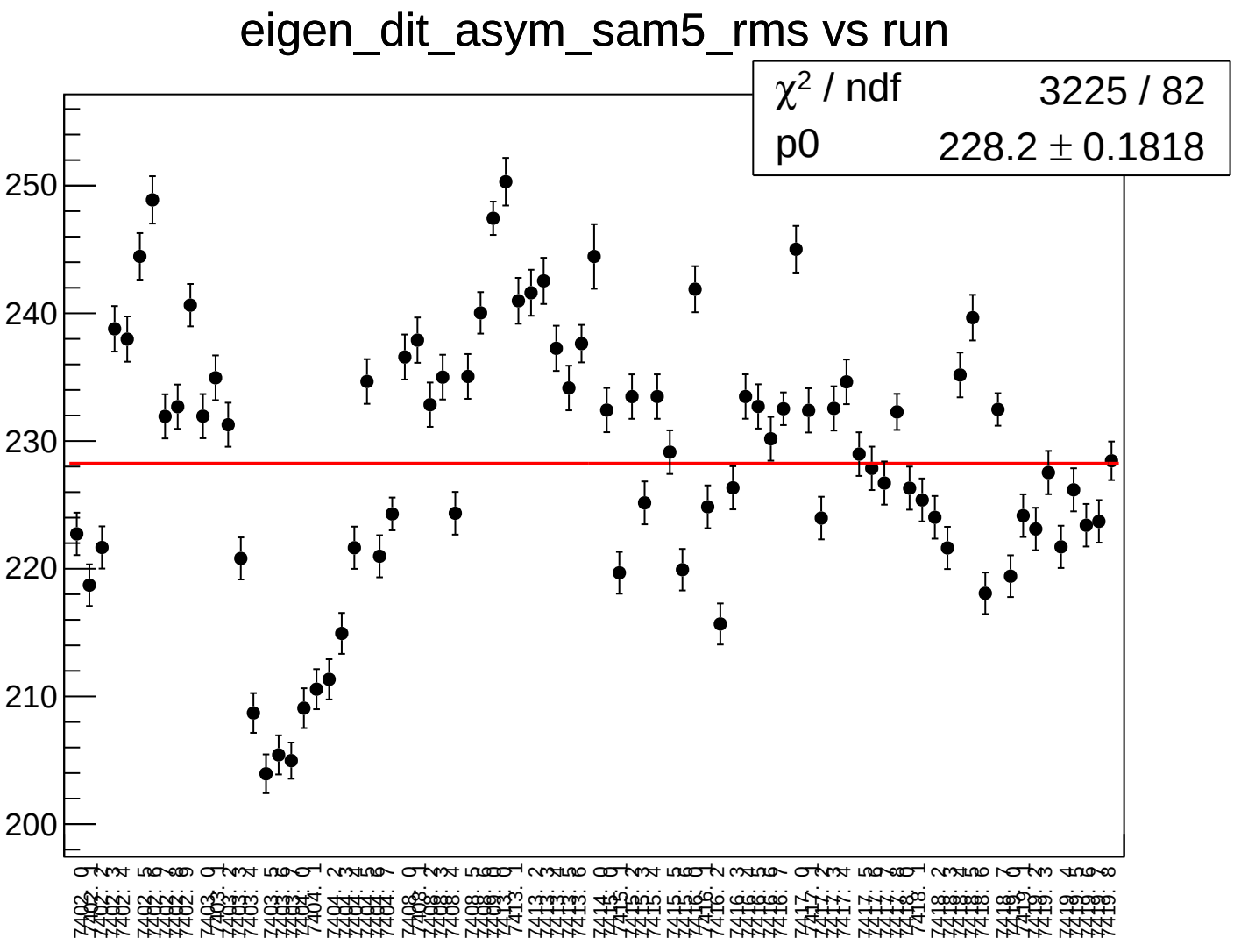

asym_sam5_dit_correction_mean vs run
χ² / ndf 68.17 / 82
p0 595.7 ± 1219
pull
Entries 83
Mean −21.38
Std Dev 0

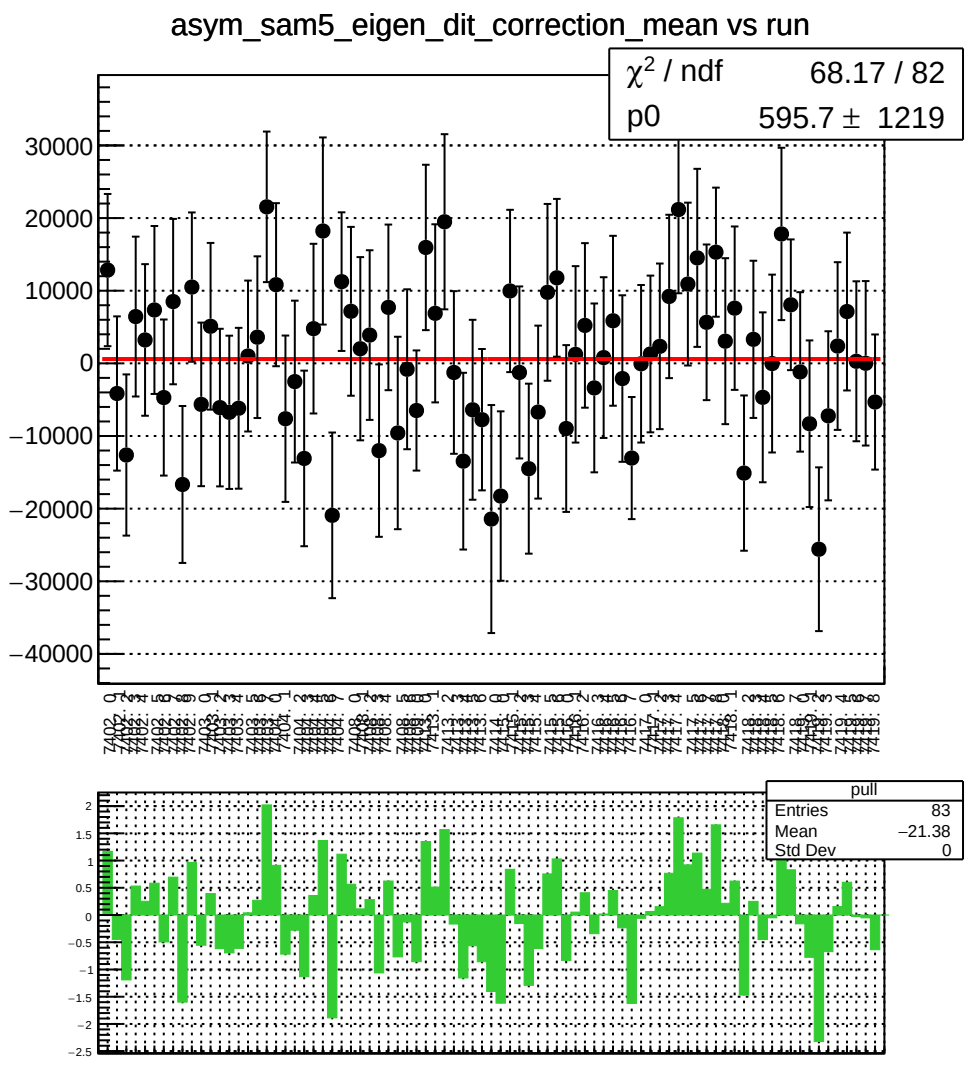

pull1D
Entries 83
Mean −0.003039
Std Dev 0.9063

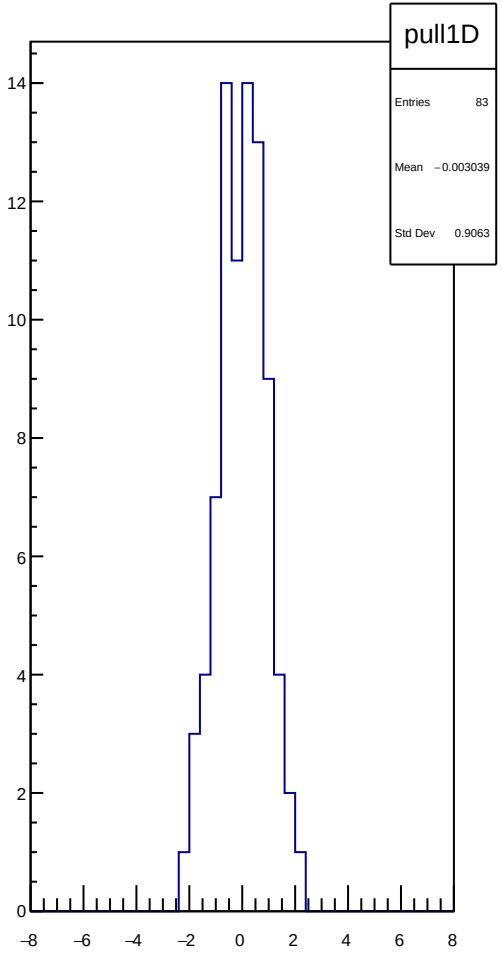

asym_sam5_dit_correction_rms vs run
χ² / ndf 3820 / 82
p0 1081 ± 0.8617
1250
1200
1150
1100
1050
1000
950

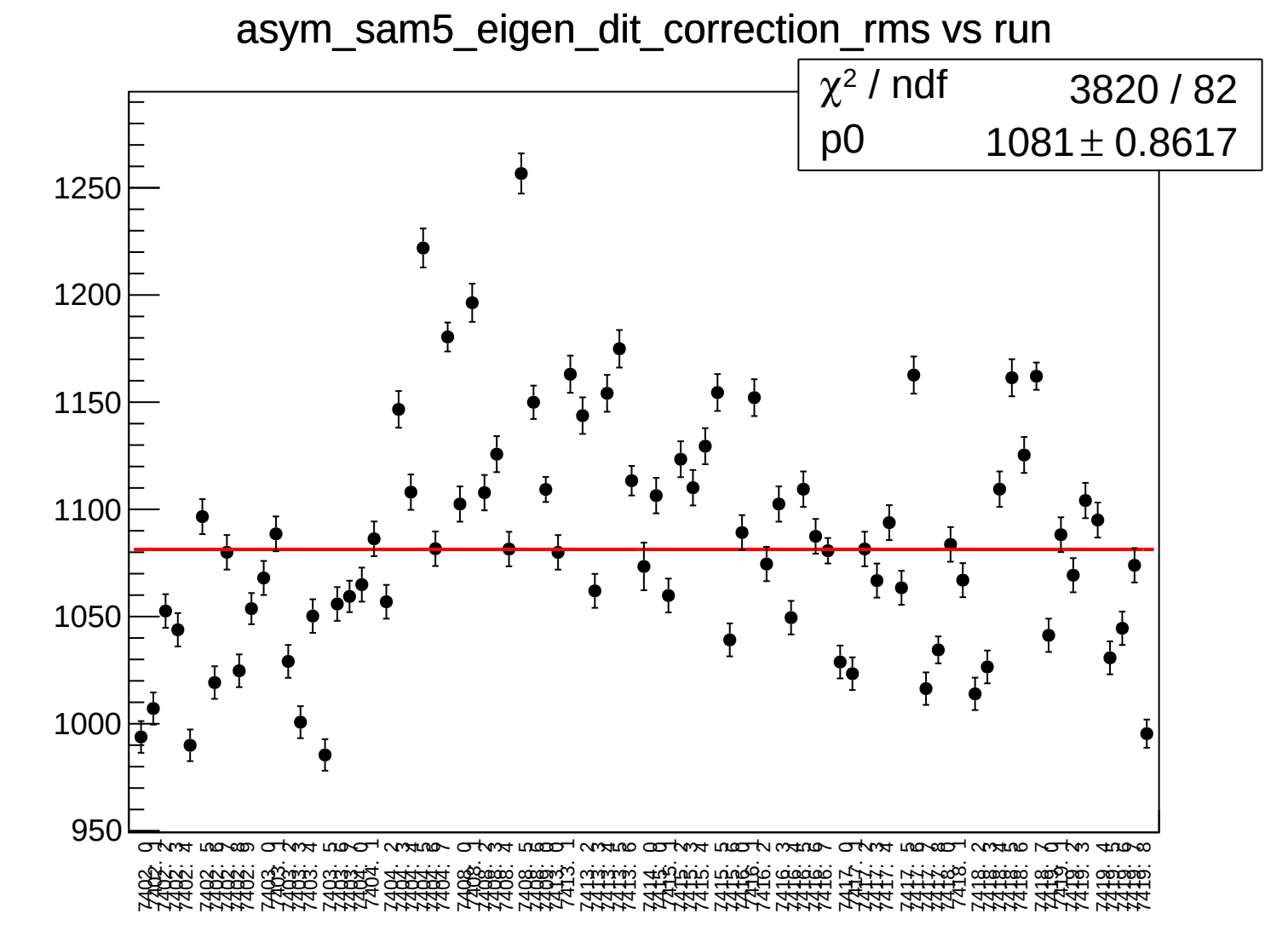

eigen_dit_asym_sam5_mean vs run
χ² / ndf 68.94 / 82
p0 −205.7 ± 257.2
pull
Entries 83
Mean 221.8
Std Dev 0

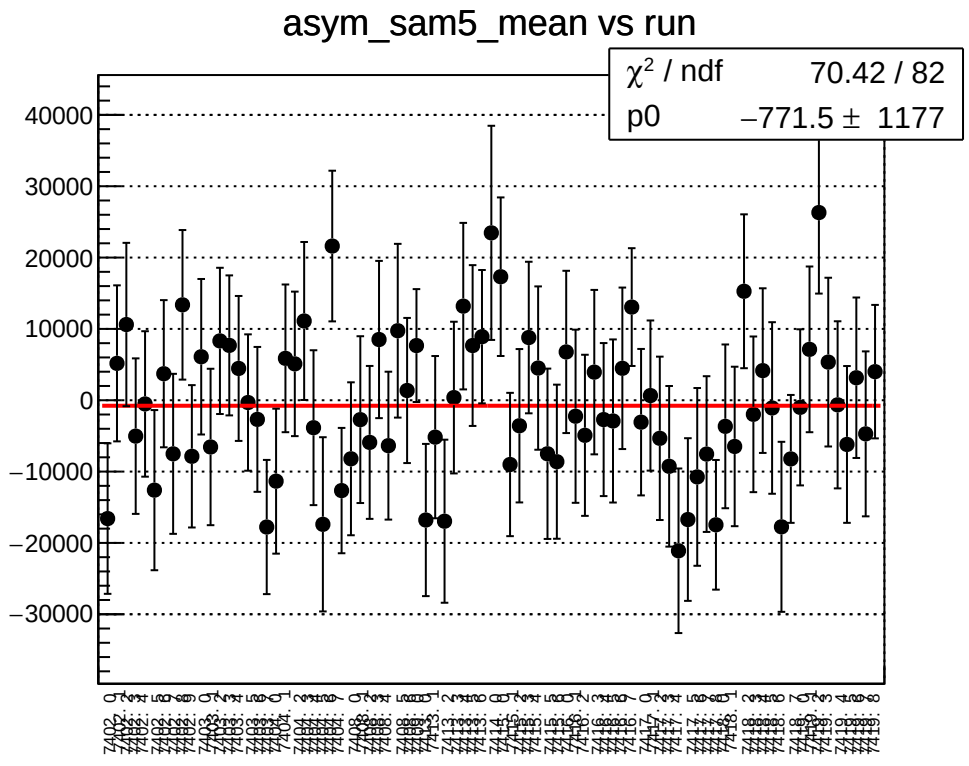

pull1D
Entries 83
Mean −0.005882
Std Dev 0.9114

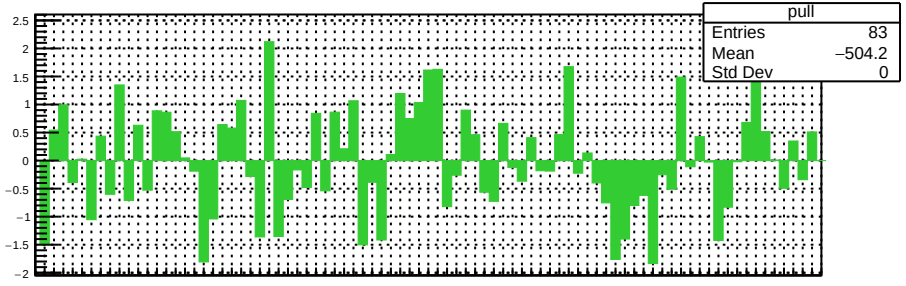

eigen_dit_asym_sam5_rms vs run
χ² / ndf 3225 / 82
p0 228.2 ± 0.1818
250
240
230
220
210
200

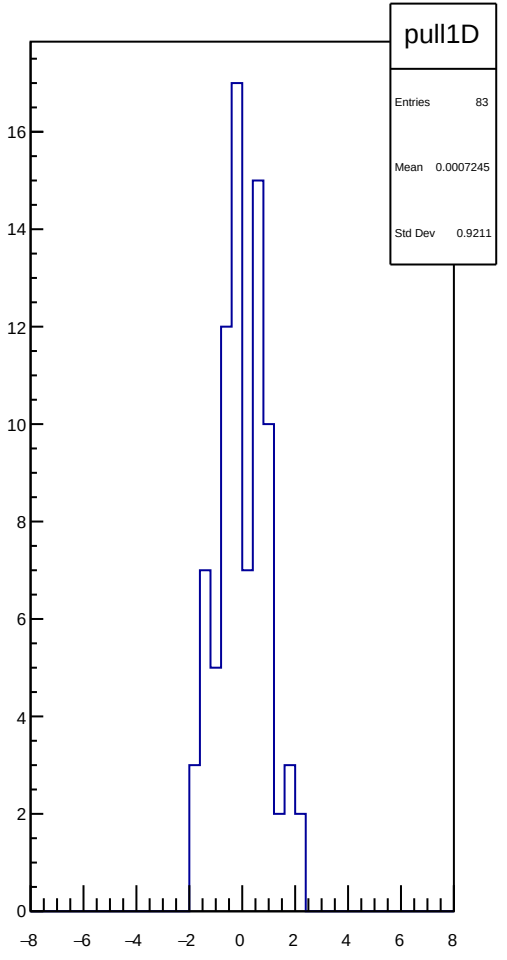

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 68.17 / 82
p0 595.7 ± 1219
pull
Entries 83
Mean −21.38
Std Dev 0

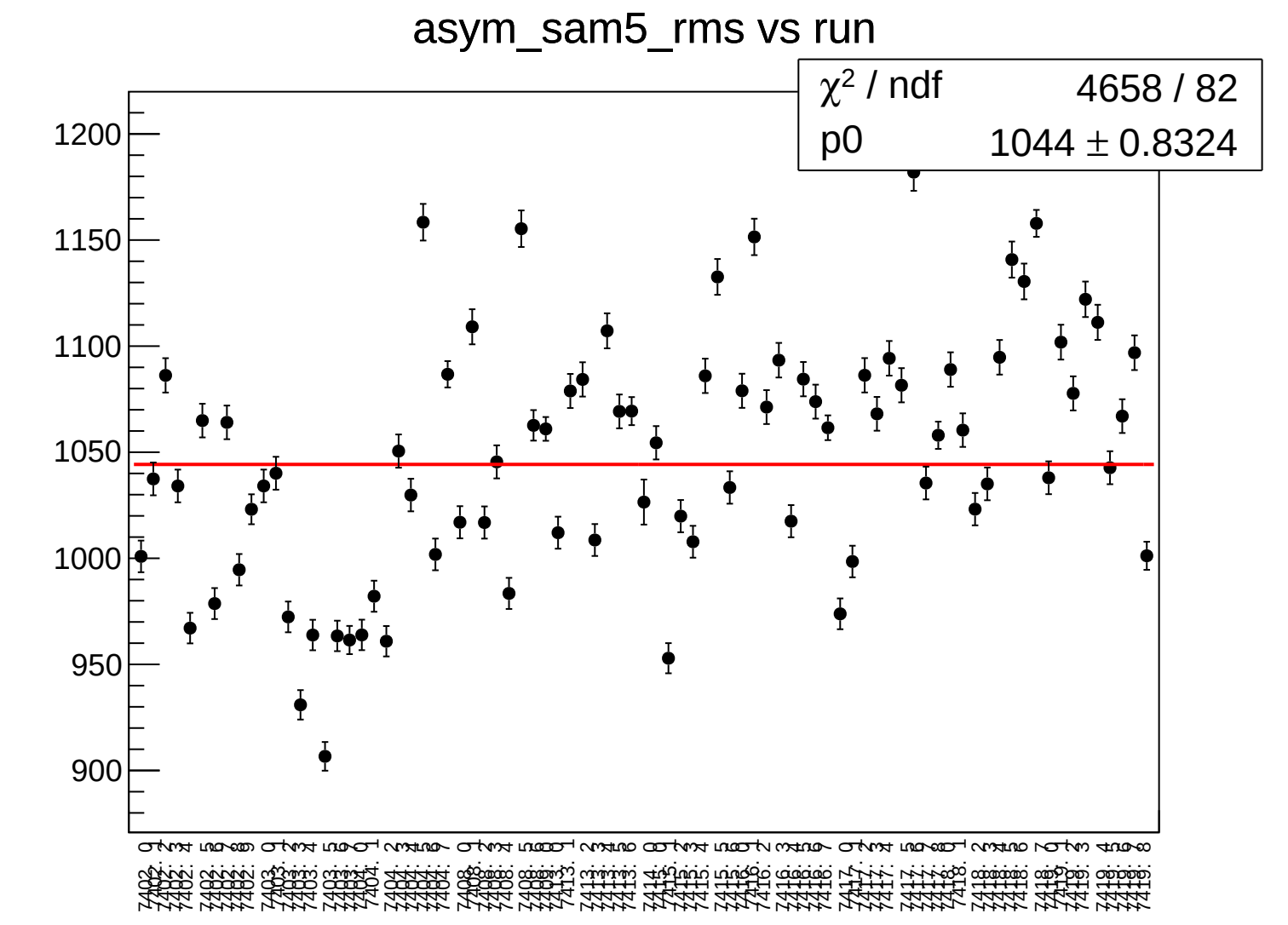

pull1D
Entries 83
Mean −0.003039
Std Dev 0.9063

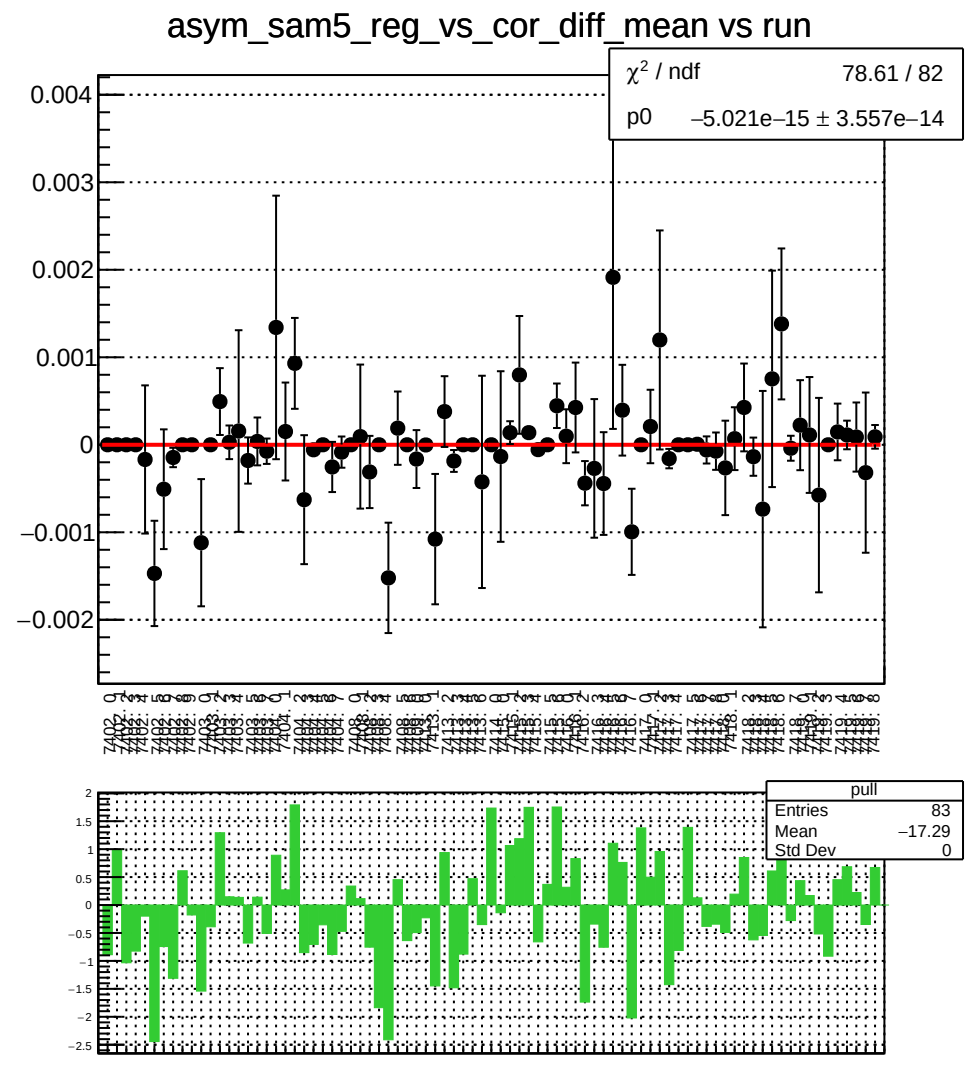

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 3820 / 82
p0 1081 ± 0.8617
1250
1200
1150
1100
1050
1000
950

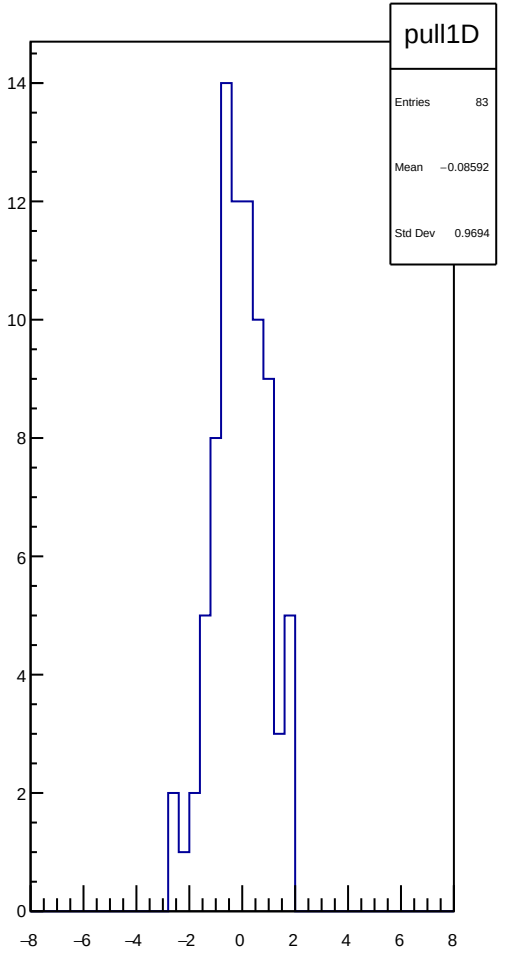

asym_sam5_mean vs run
χ² / ndf 70.42 / 82
p0 −771.5 ± 1177
40000
30000
20000
10000
0
−10000
−20000
−30000

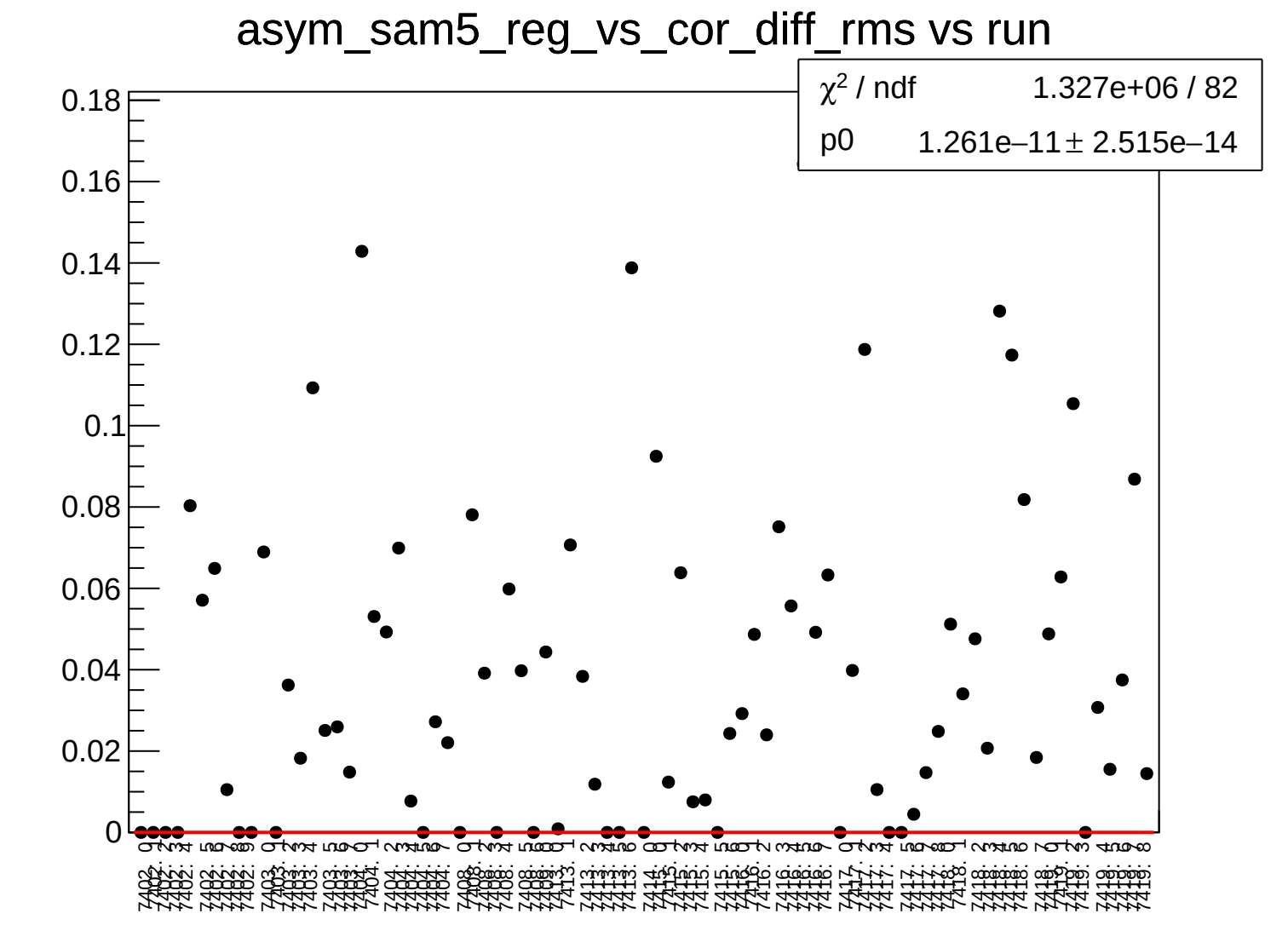

pull
Entries 83
Mean −504.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

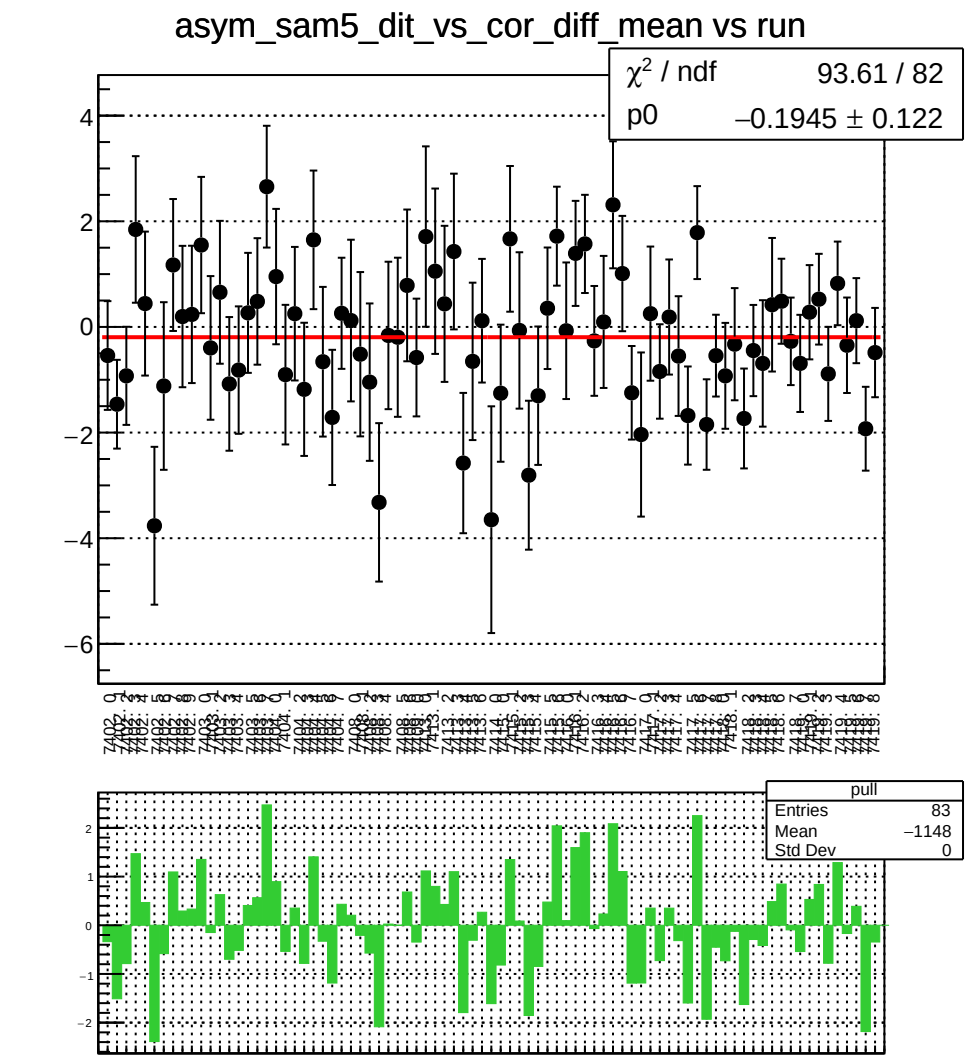

pull1D
Entries 83
Mean 0.0007245
Std Dev 0.9211
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

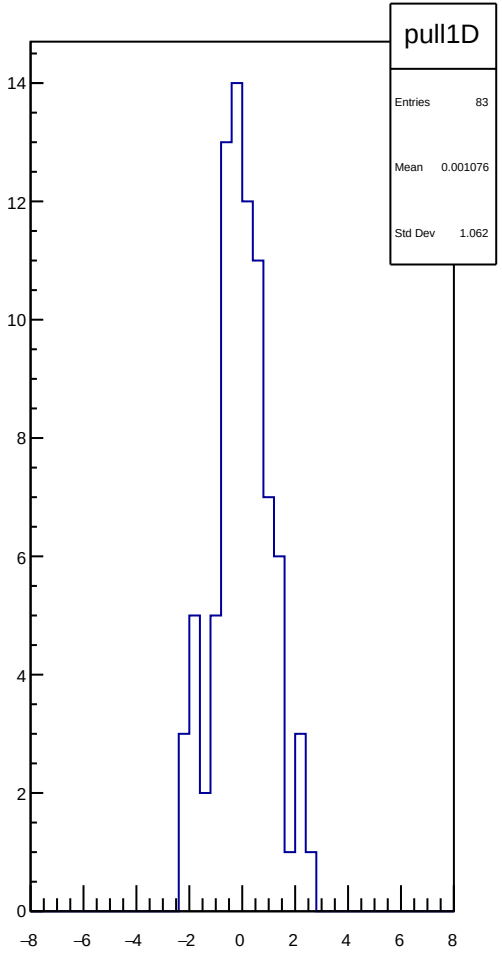

asym_sam5_rms vs run
χ² / ndf 4658 / 82
p0 1044 ± 0.8324
1200
1150
1100
1050
1000
950
900

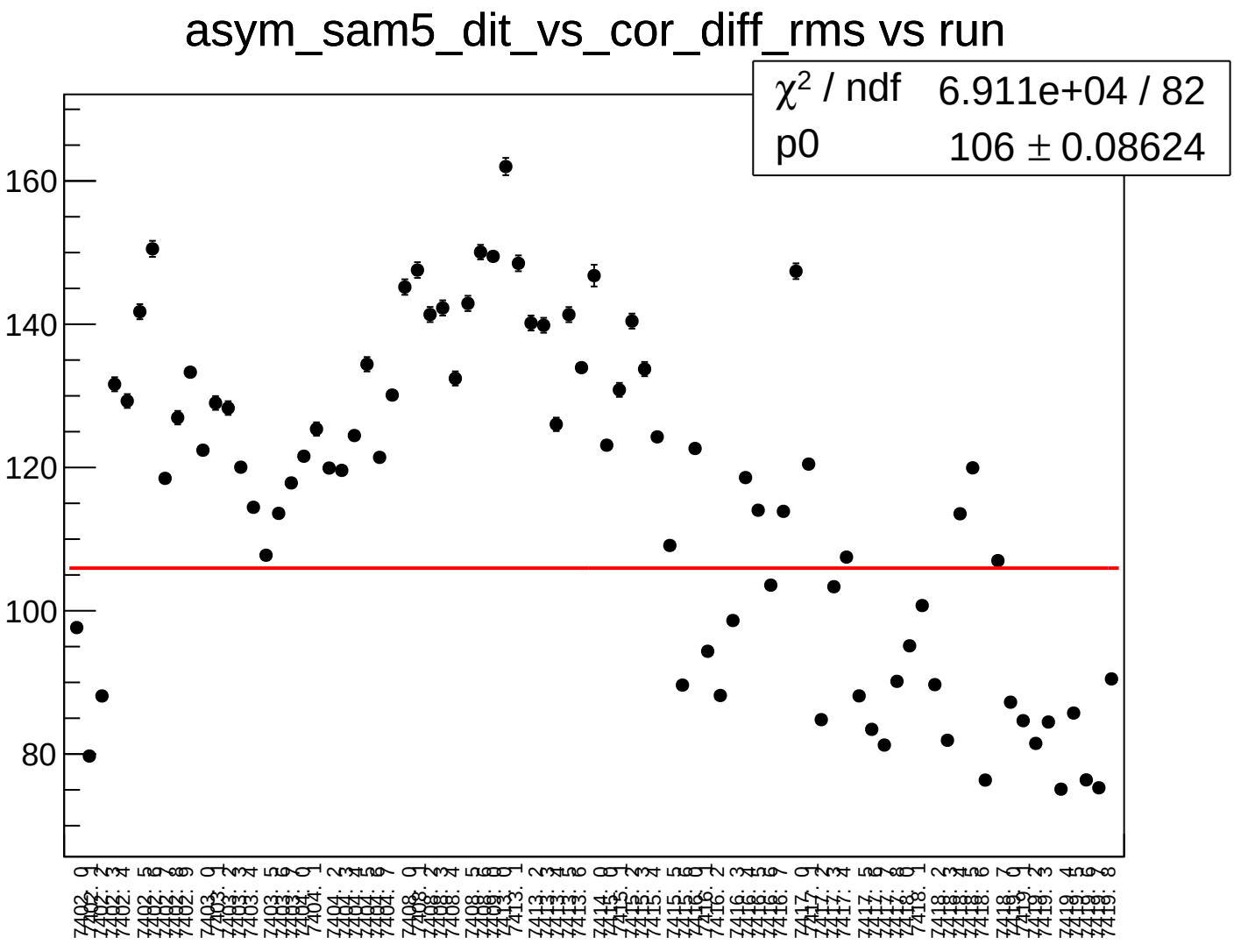

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 78.61 / 82
p0 −5.021e−15 ± 3.557e−14
0.004
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 83
Mean −17.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

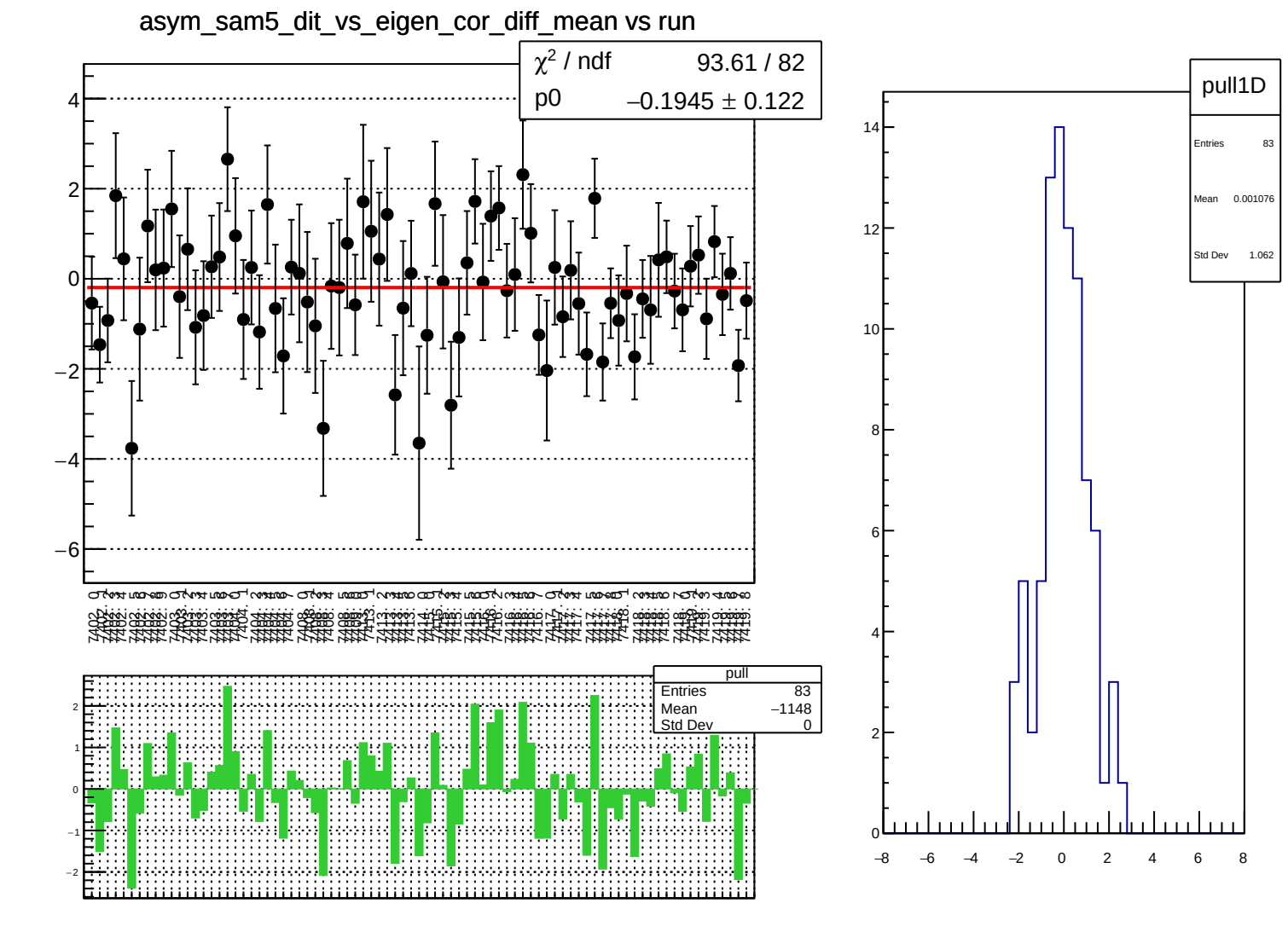

pull1D
Entries 83
Mean −0.08592
Std Dev 0.9694
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

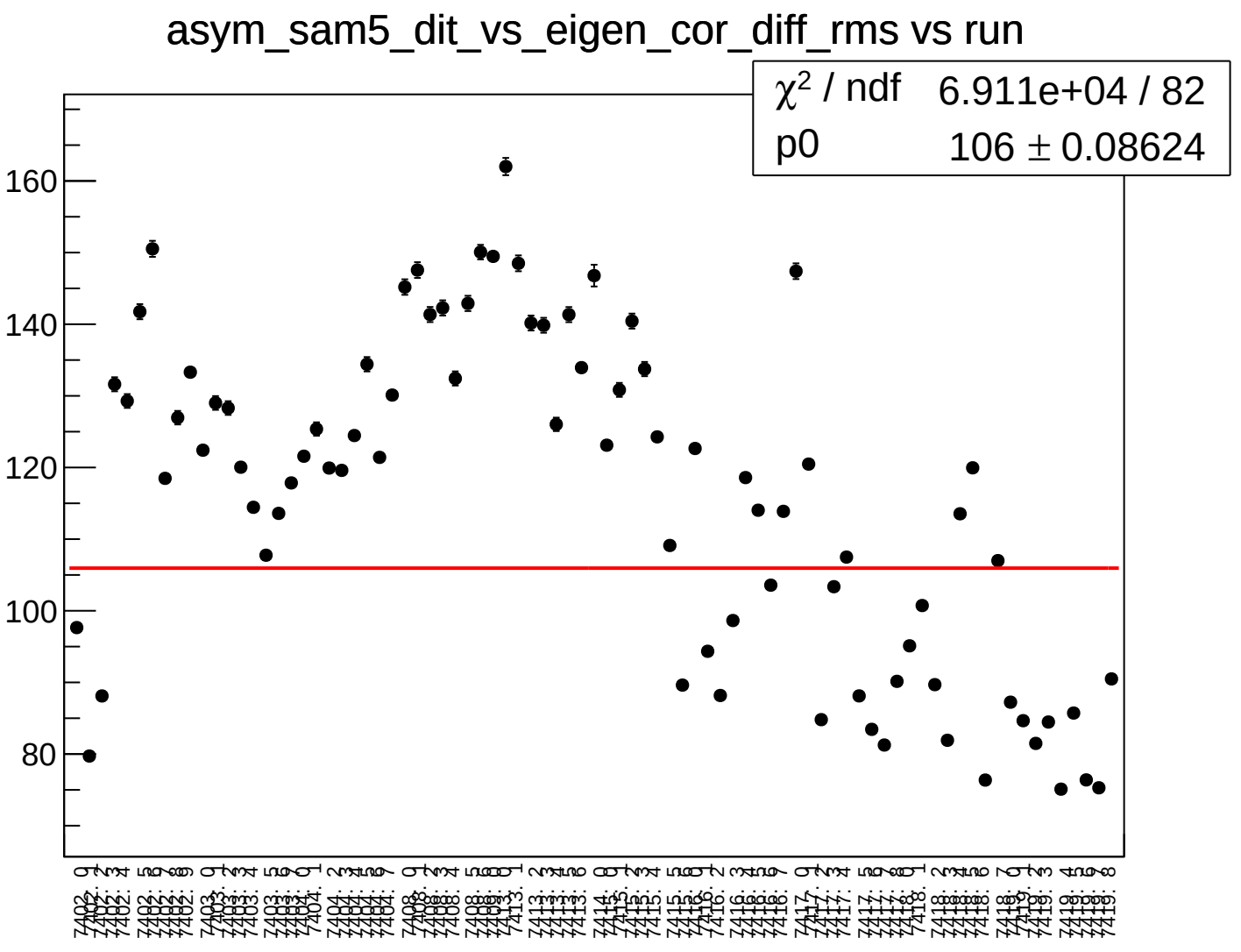

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 1.327e+06 / 82
p0 1.261e−11 ± 2.515e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

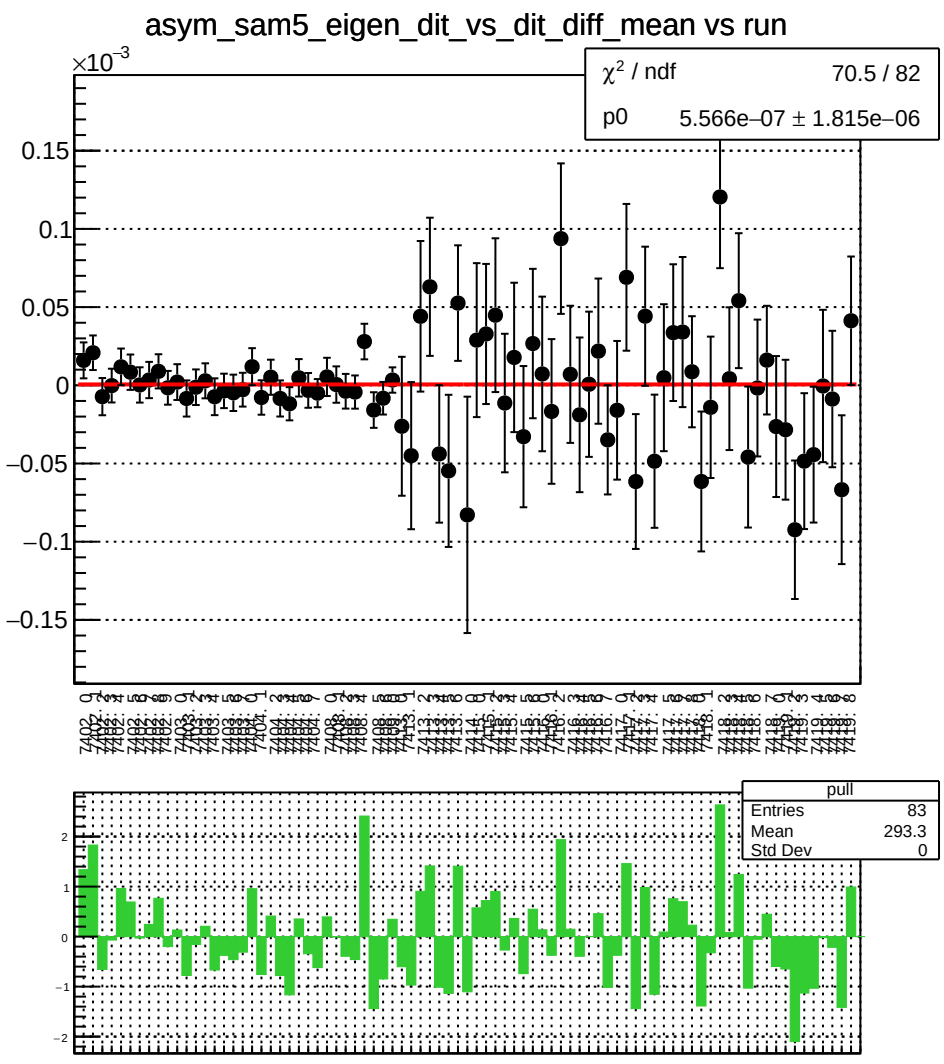

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 93.61 / 82
p0 −0.1945 ± 0.122
pull
Entries 83
Mean −1148
Std Dev 0

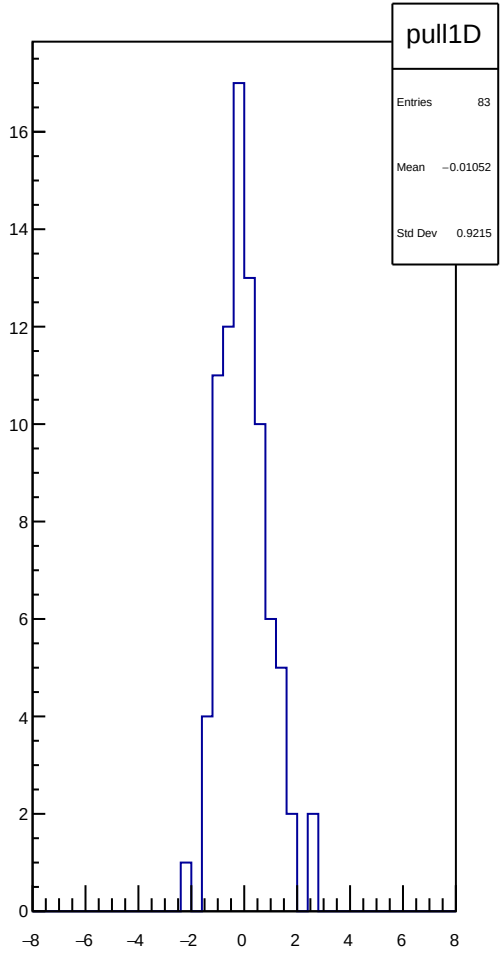

pull1D
Entries 83
Mean 0.001076
Std Dev 1.062

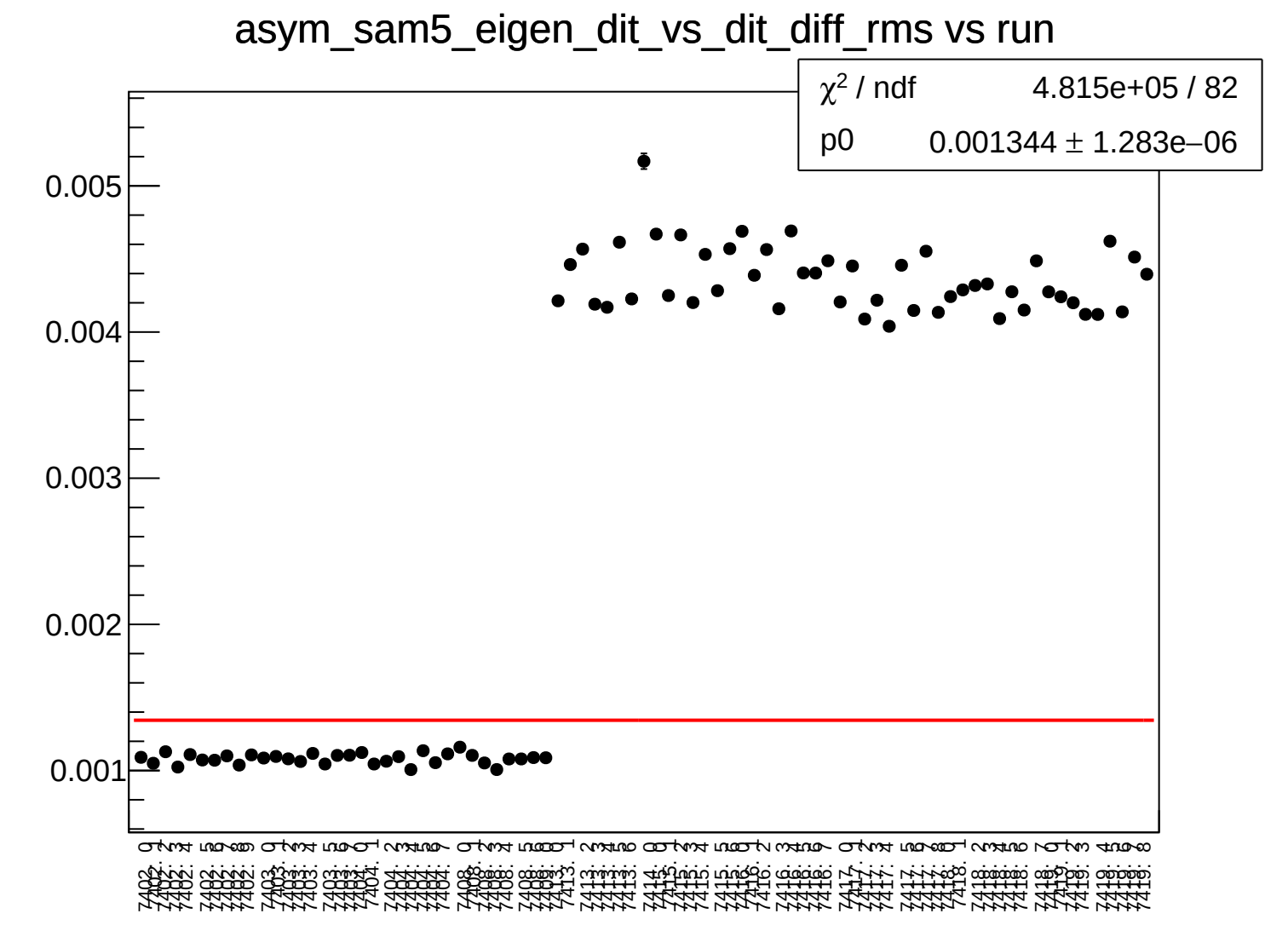

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 6.911e+04 / 82
p0 106 ± 0.08624
160
140
120
100
80

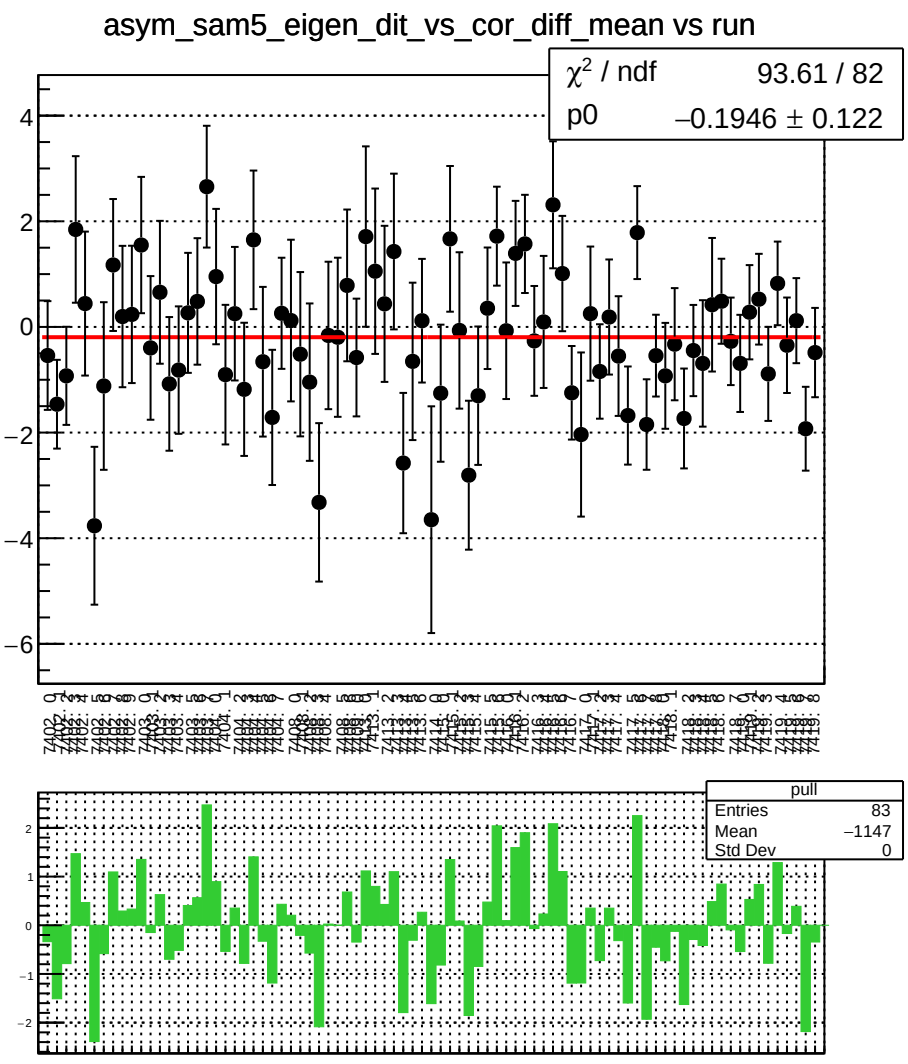

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.61 / 82
p0 −0.1945 ± 0.122
pull
Entries 83
Mean −1148
Std Dev 0
pull1D
Entries 83
Mean 0.001076
Std Dev 1.062

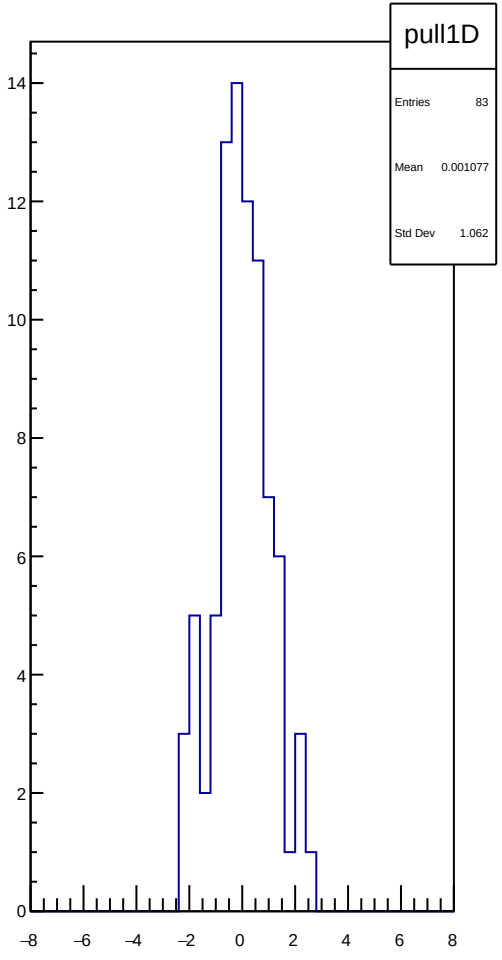

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.911e+04 / 82
p0 106 ± 0.08624
160
140
120
100
80

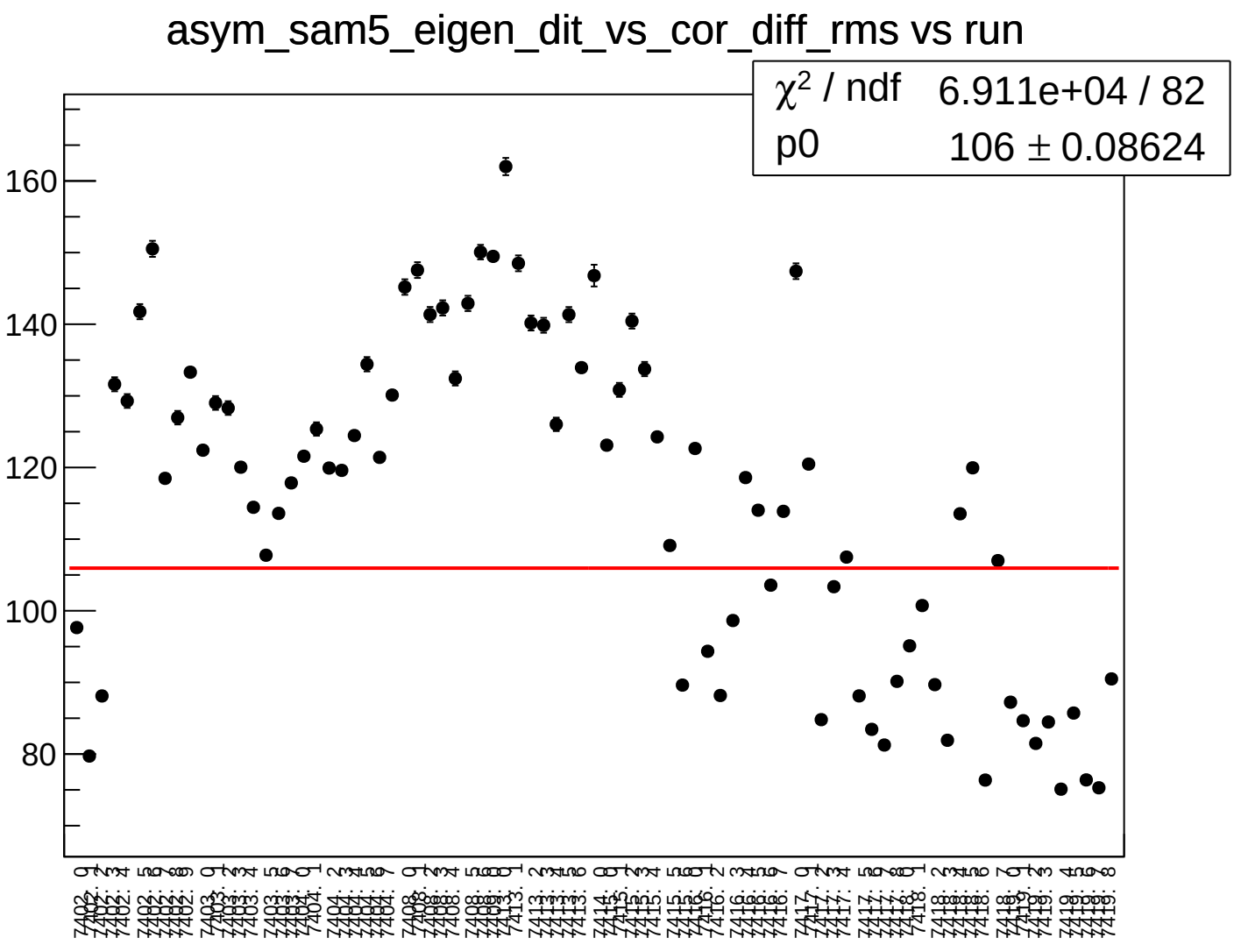

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.5 / 82
p0 5.566e−07 ± 1.815e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 293.3
Std Dev 0
2
1
0
−1
−2

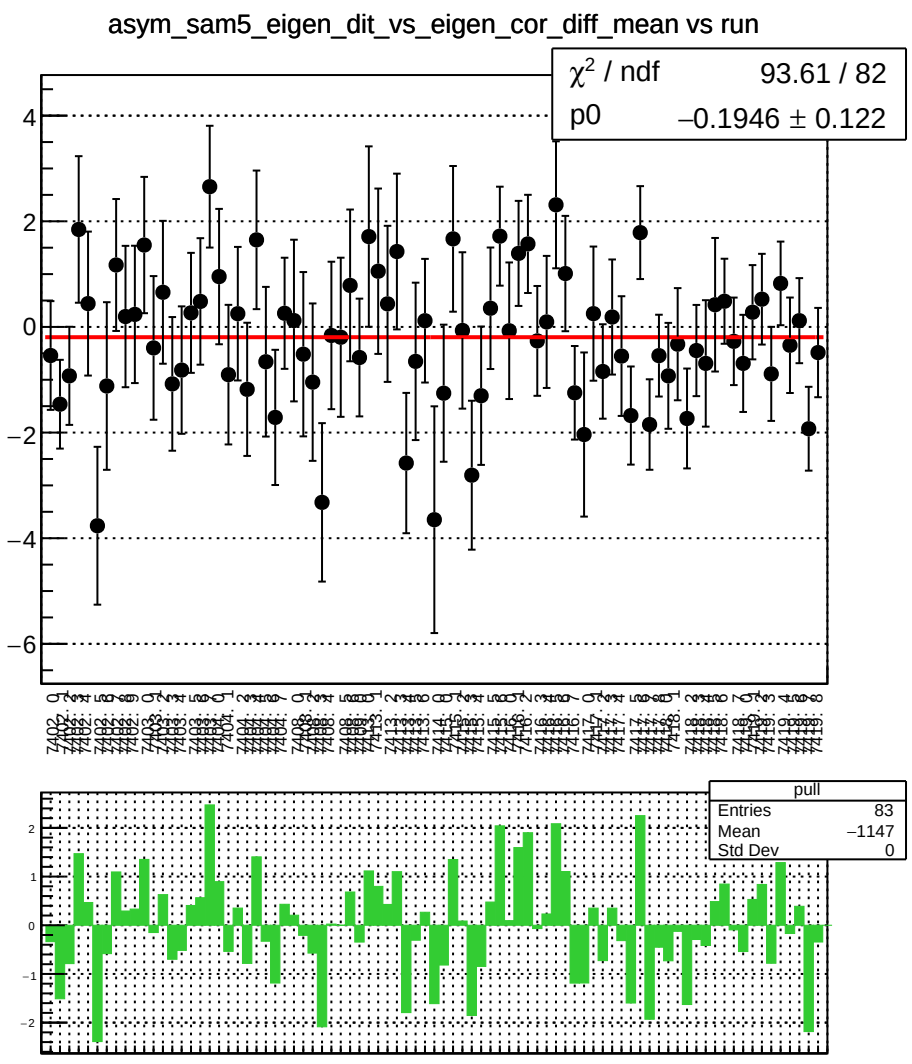

pull1D
Entries 83
Mean −0.01052
Std Dev 0.9215
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

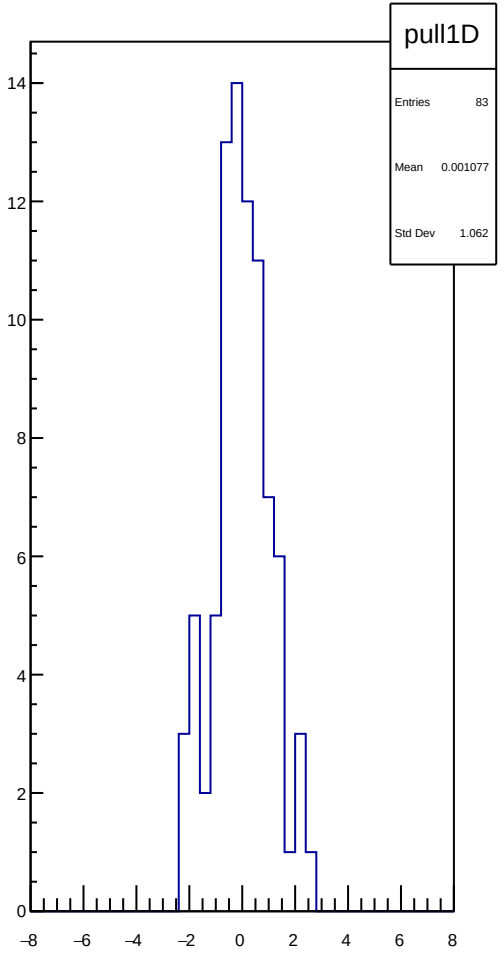

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.815e+05 / 82
p0 0.001344 ± 1.283e−06
0.005
0.004
0.003
0.002
0.001

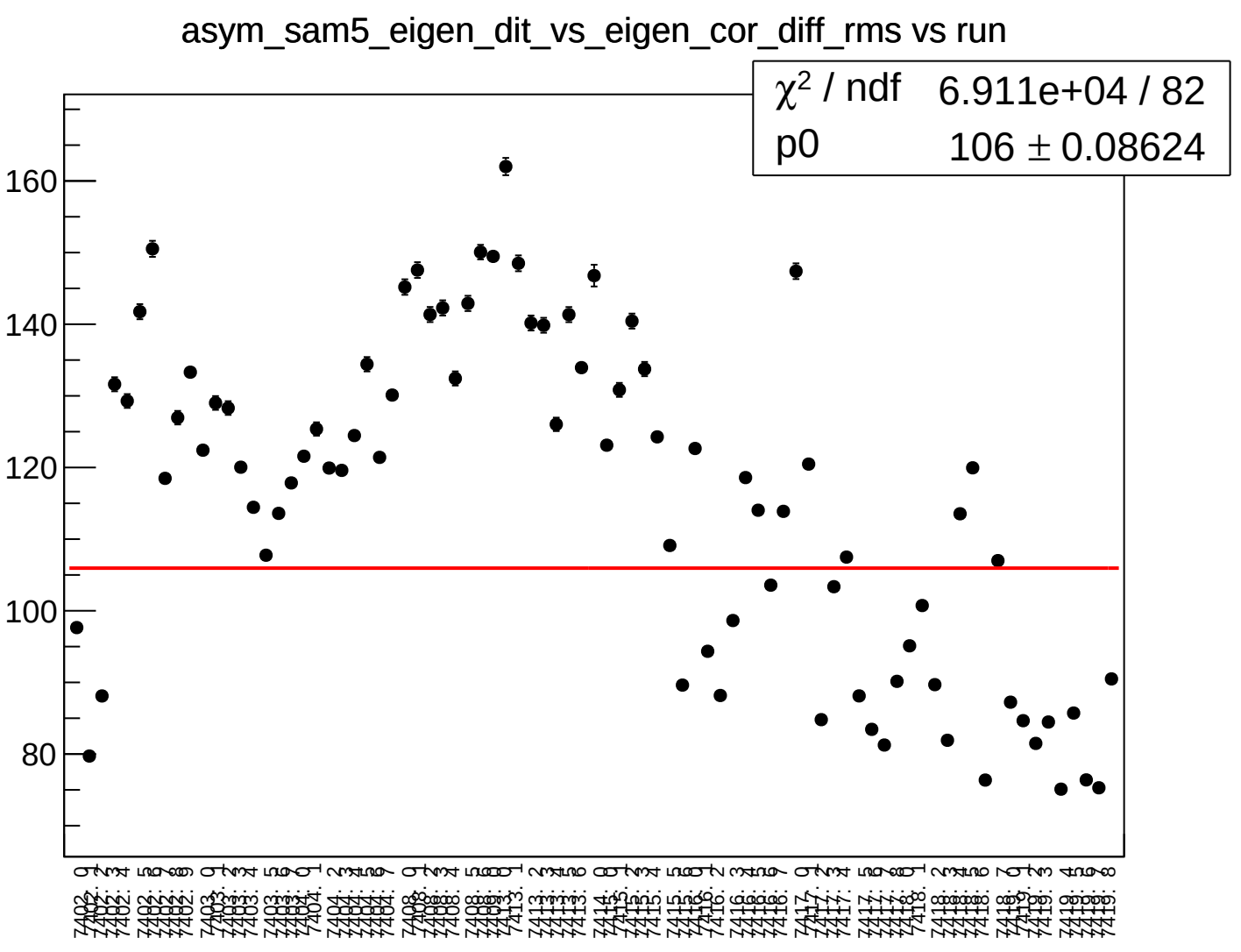

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.61 / 82
p0 −0.1946 ± 0.122
pull
Entries 83
Mean −1147
Std Dev 0

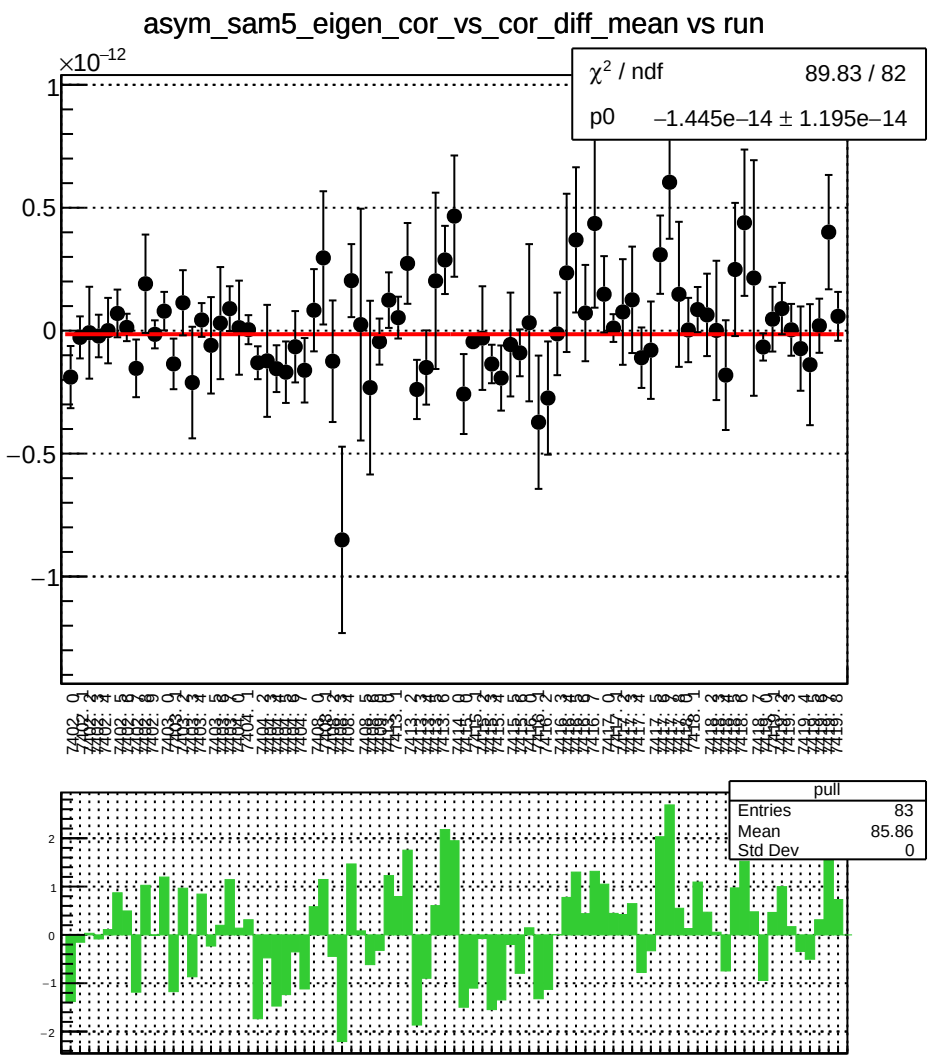

pull1D
Entries 83
Mean 0.001077
Std Dev 1.062

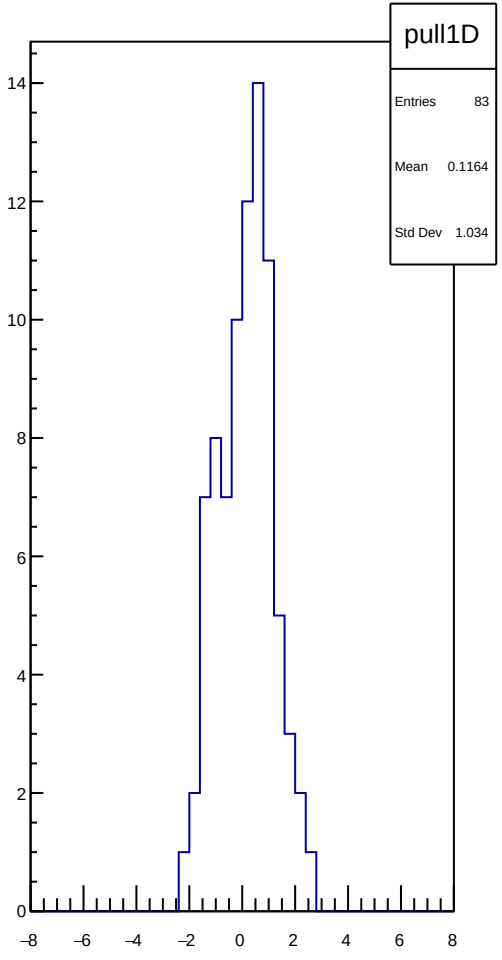

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.911e+04 / 82
p0 106 ± 0.08624
160
140
120
100
80

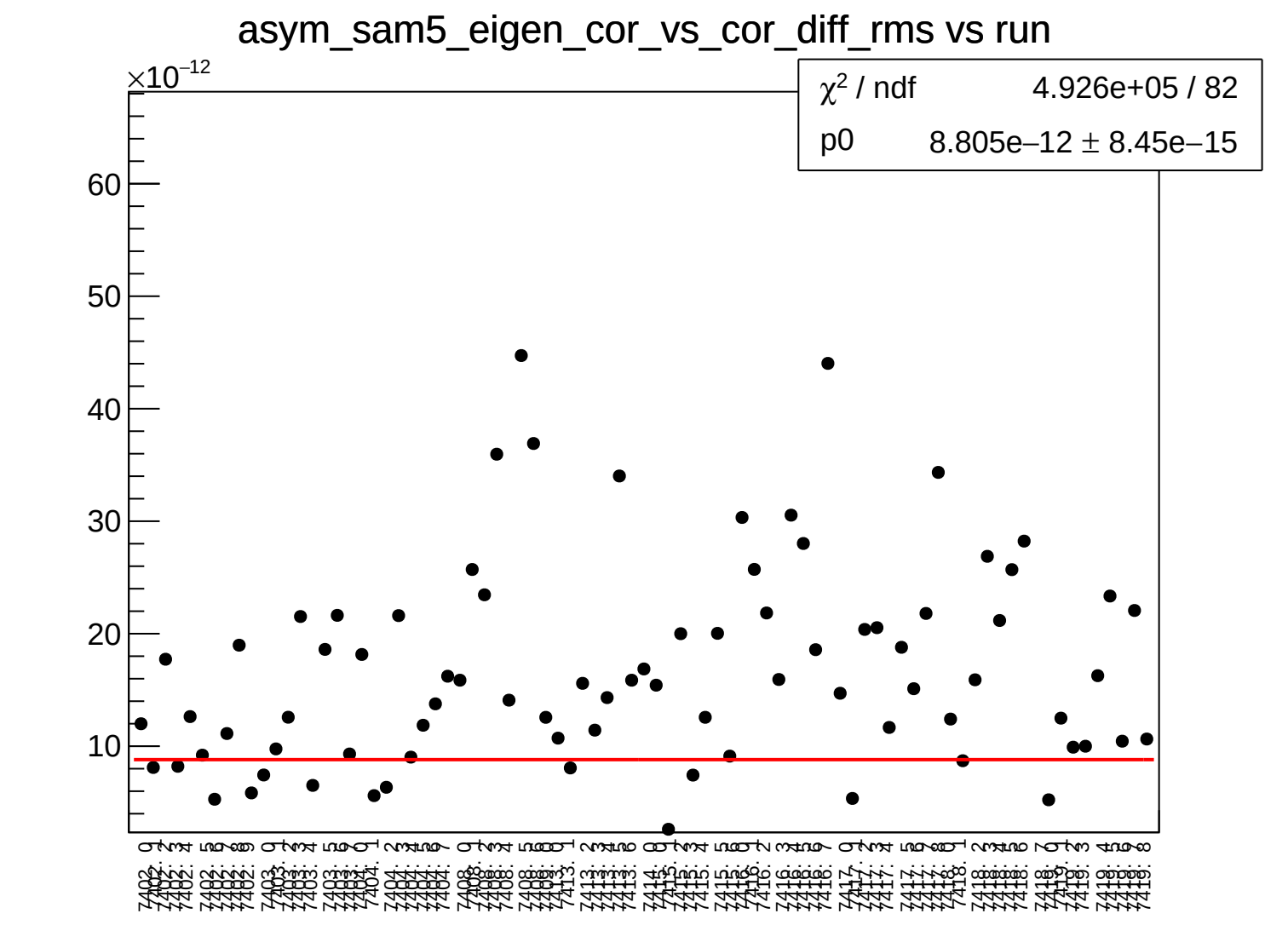

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.61 / 82
p0 −0.1946 ± 0.122
pull
Entries 83
Mean −1147
Std Dev 0

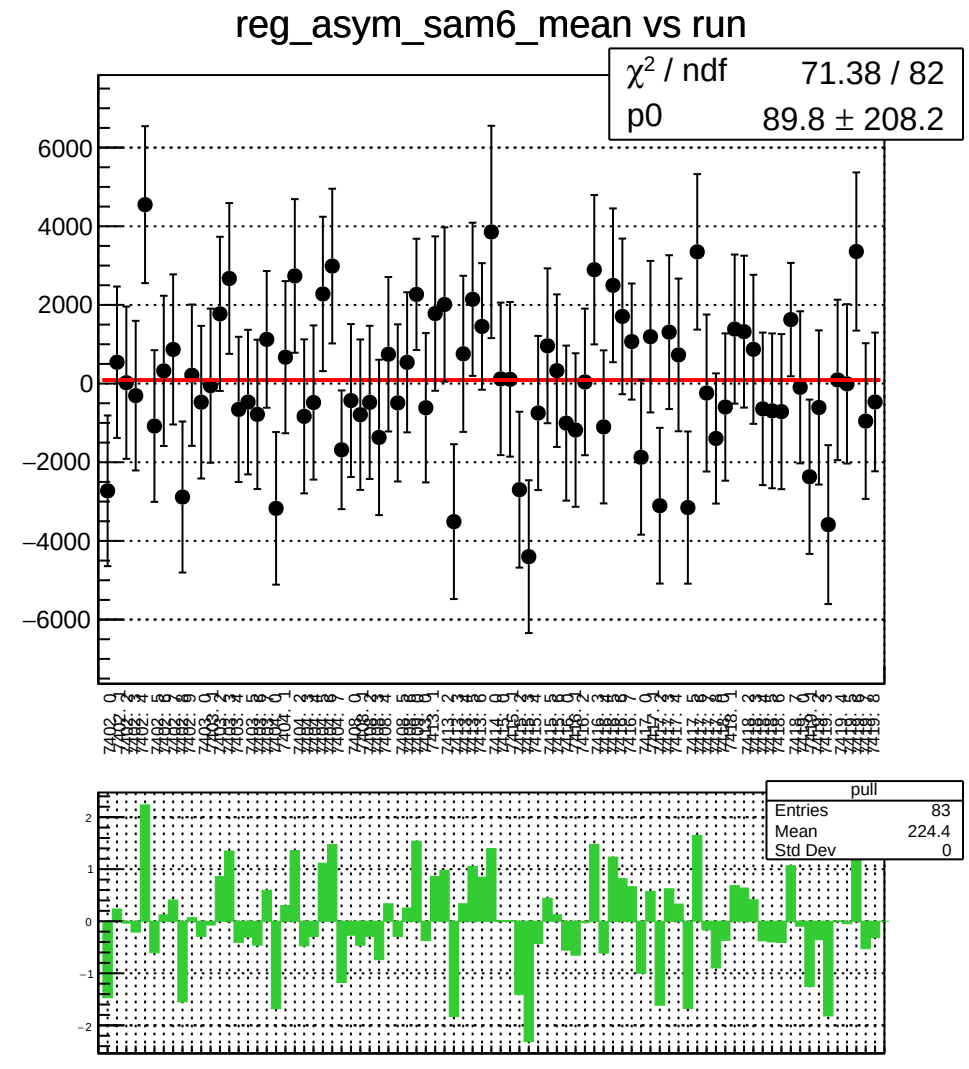

pull1D
Entries 83
Mean 0.001077
Std Dev 1.062

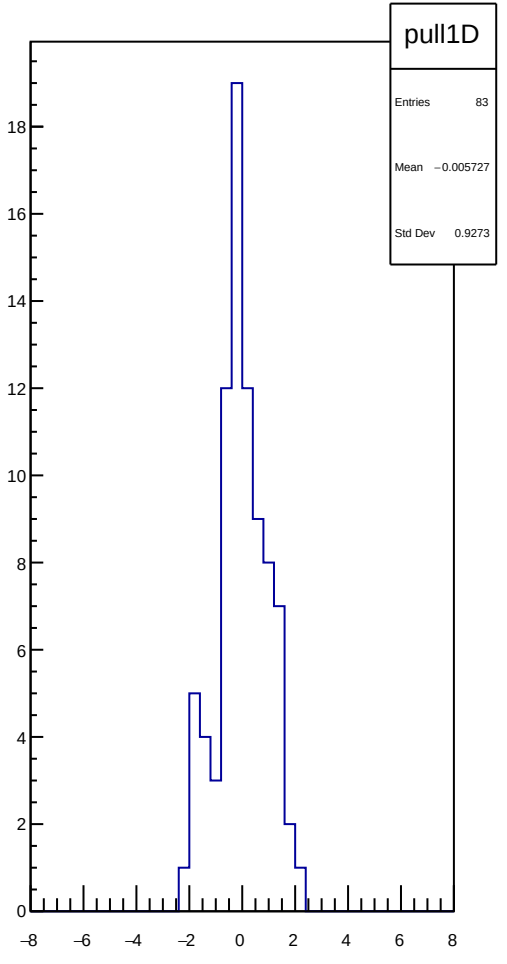

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.911e+04 / 82
p0 106 ± 0.08624
160
140
120
100
80

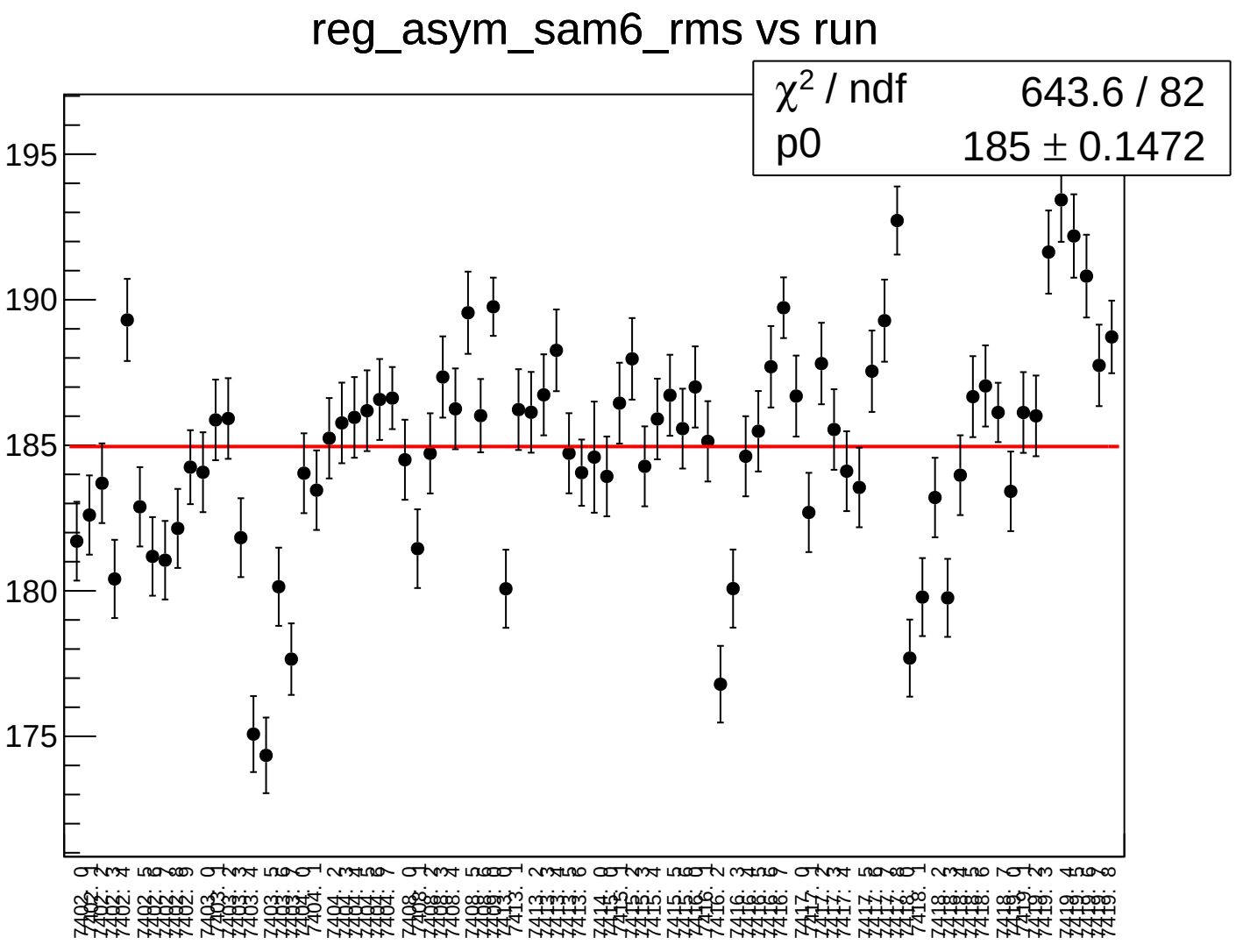

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.83 / 82
p0 −1.445e−14 ± 1.195e−14
pull
Entries 83
Mean 85.86
Std Dev 0

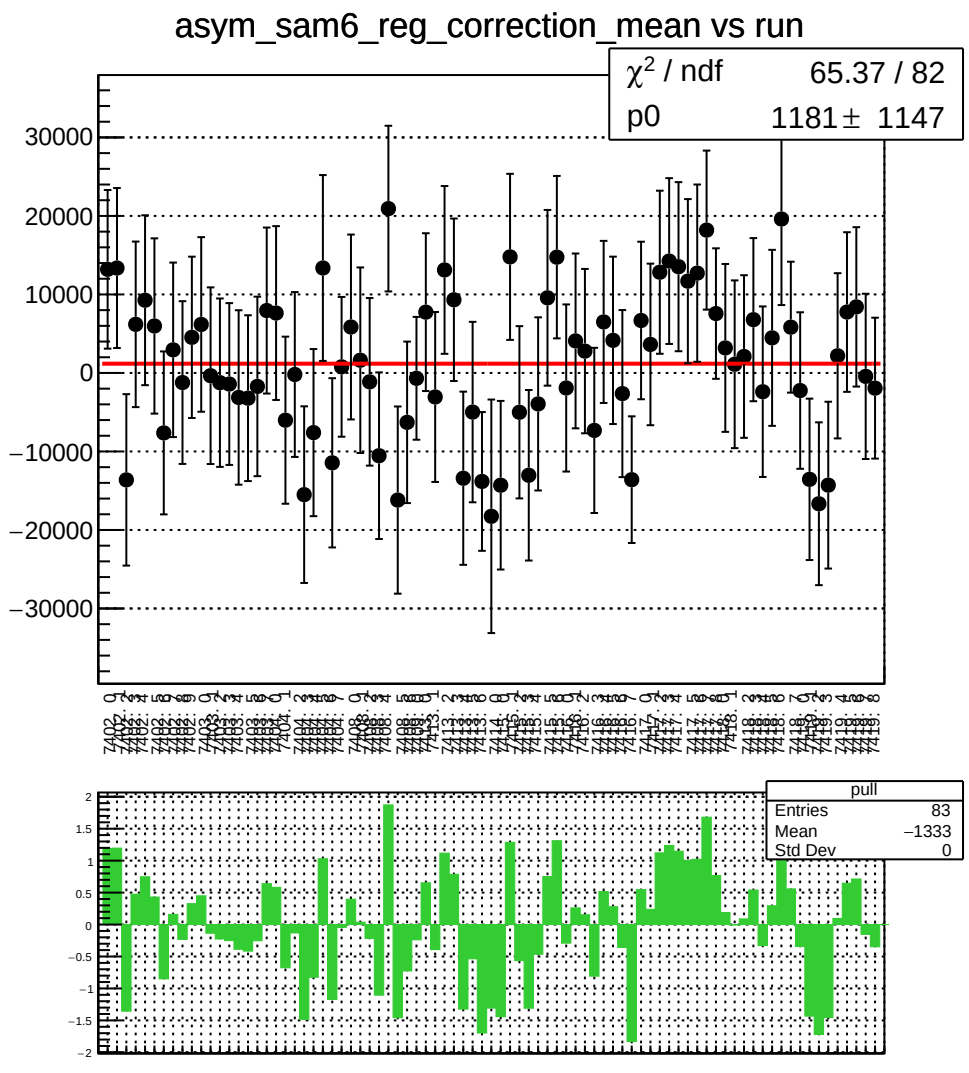

pull1D
Entries 83
Mean 0.1164
Std Dev 1.034

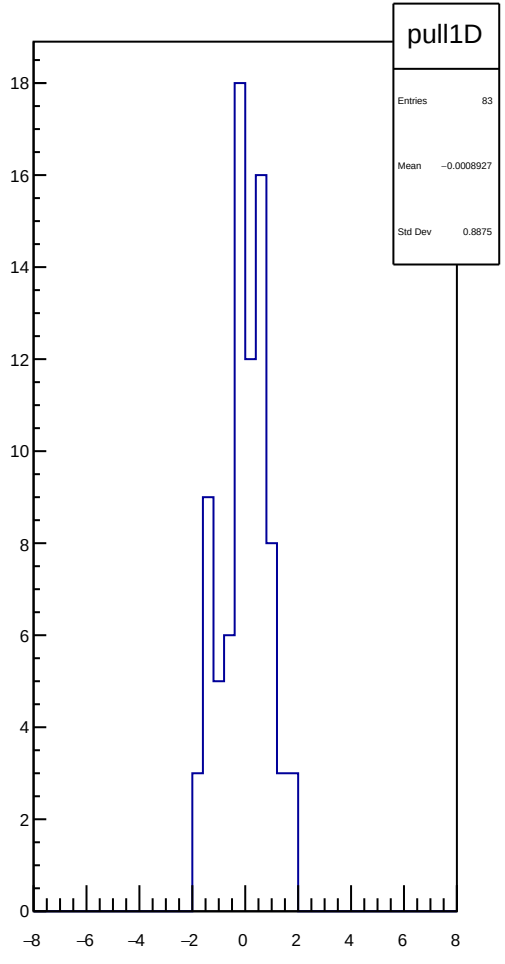

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.926e+05 / 82
p0 8.805e−12 ± 8.45e−15
60
50
40
30
20
10

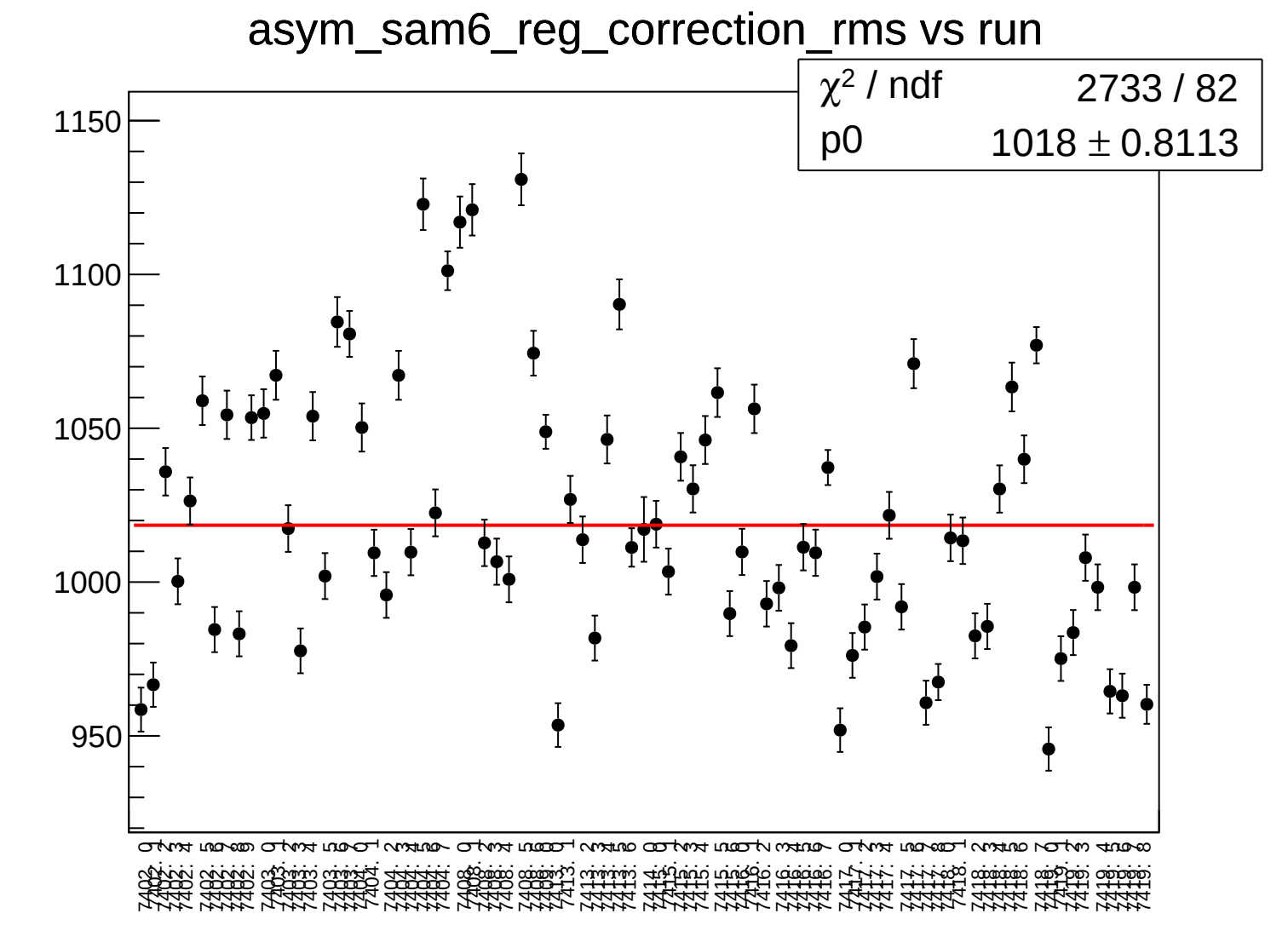

reg_asym_sam6_mean vs run
χ² / ndf 71.38 / 82
p0 89.8 ± 208.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 224.4
Std Dev 0
2
1
0
−1
−2

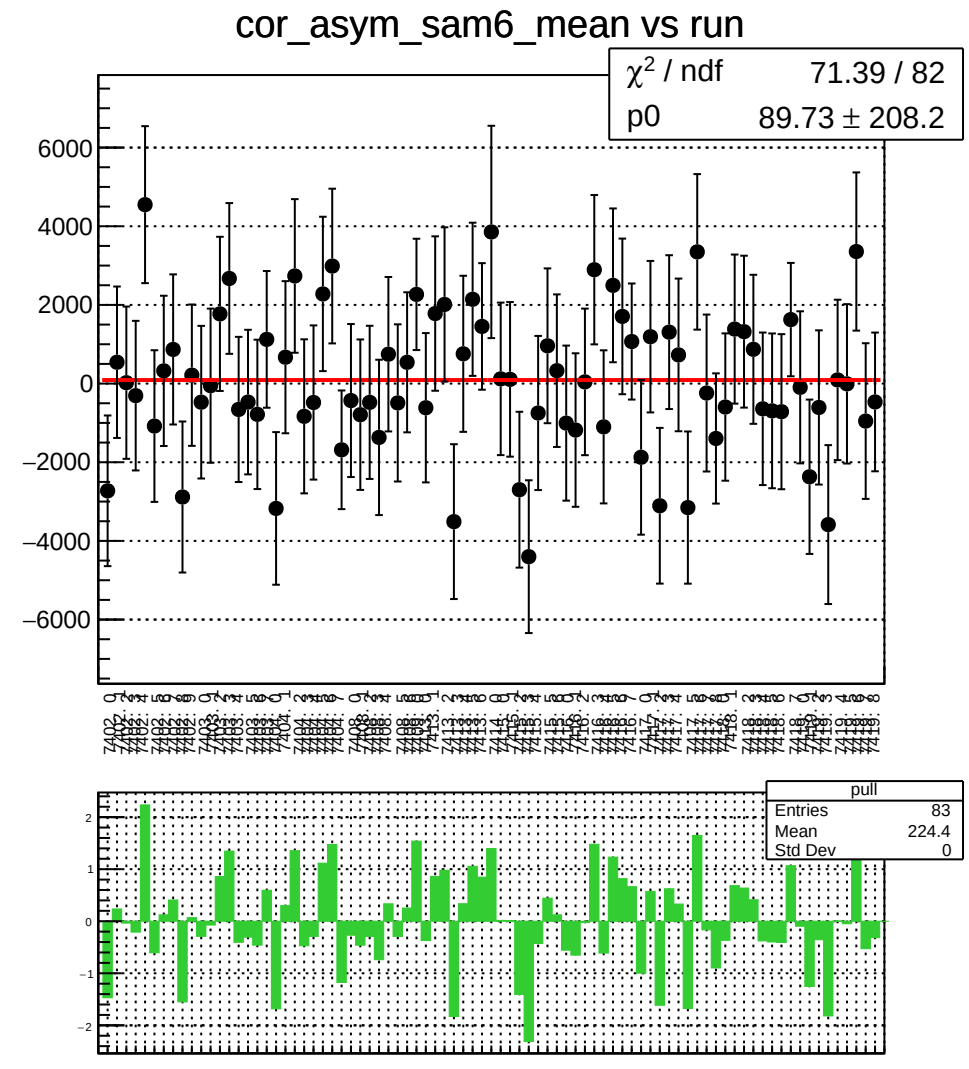

pull1D
Entries 83
Mean −0.005727
Std Dev 0.9273
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

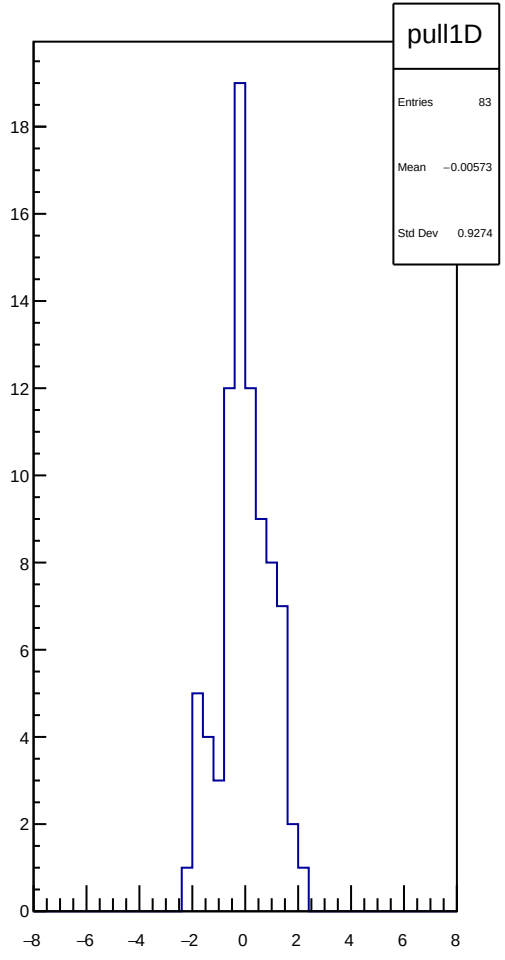

reg_asym_sam6_rms vs run
χ² / ndf 643.6 / 82
p0 185 ± 0.1472
195
190
185
180
175

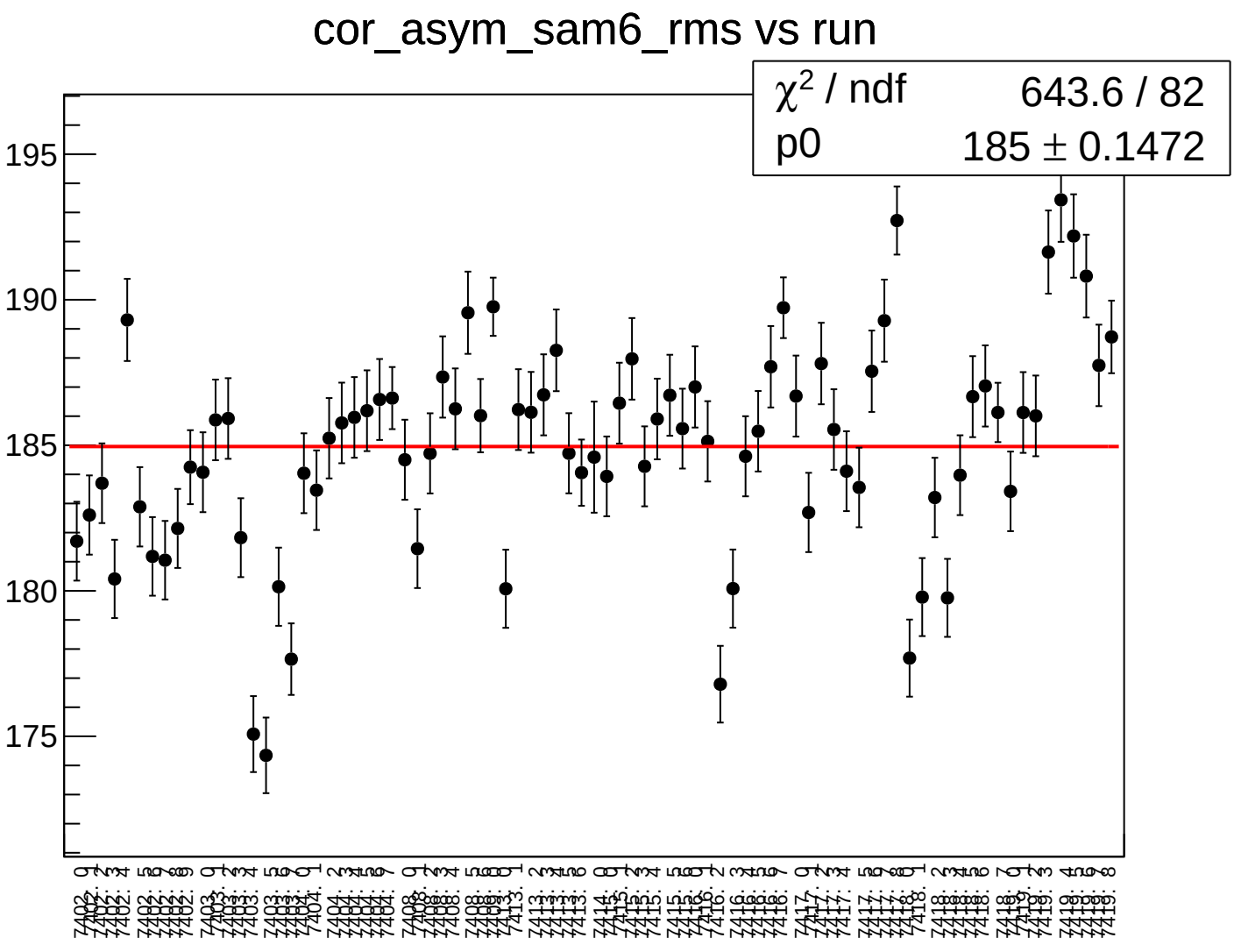

asym_sam6_reg_correction_mean vs run
χ² / ndf 65.37 / 82
p0 1181 ± 1147
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −1333
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

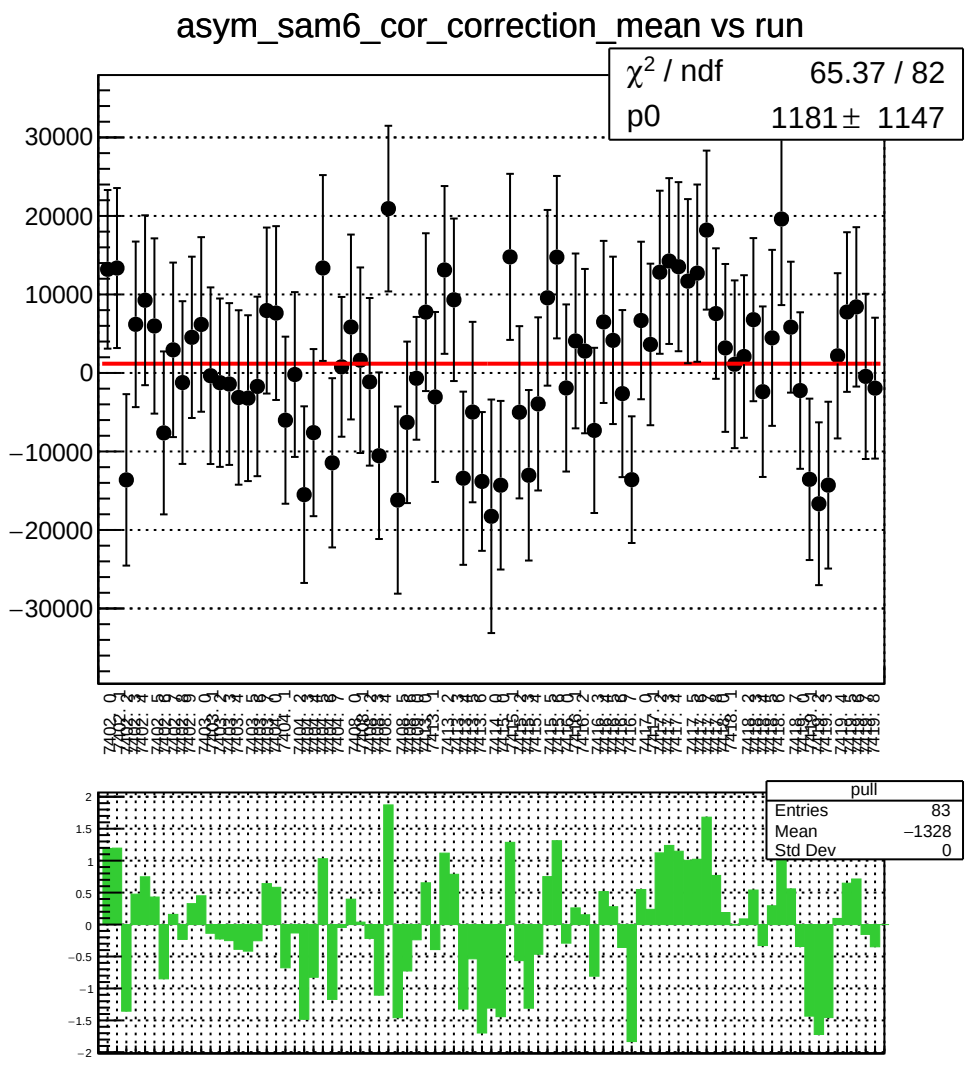

pull1D
Entries 83
Mean −0.0008927
Std Dev 0.8875
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

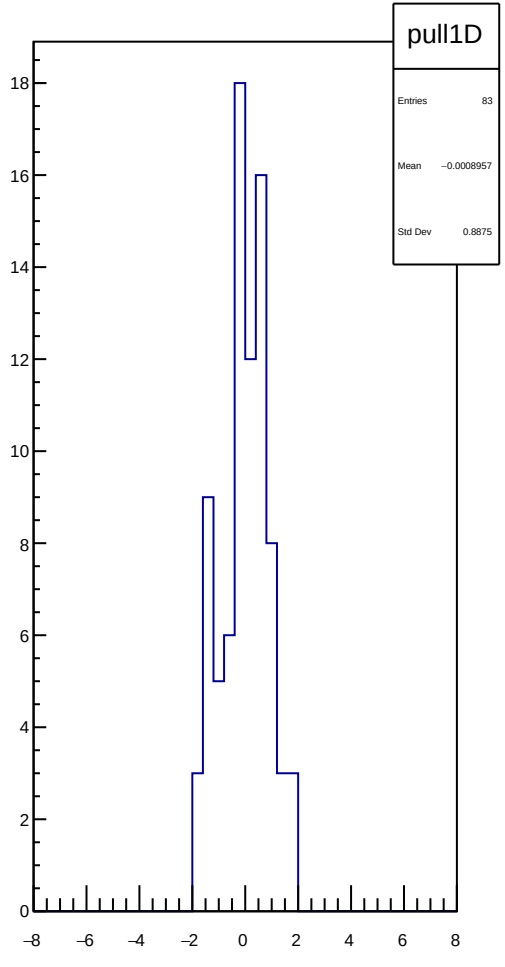

asym_sam6_reg_correction_rms vs run
χ² / ndf 2733 / 82
p0 1018 ± 0.8113
1150
1100
1050
1000
950

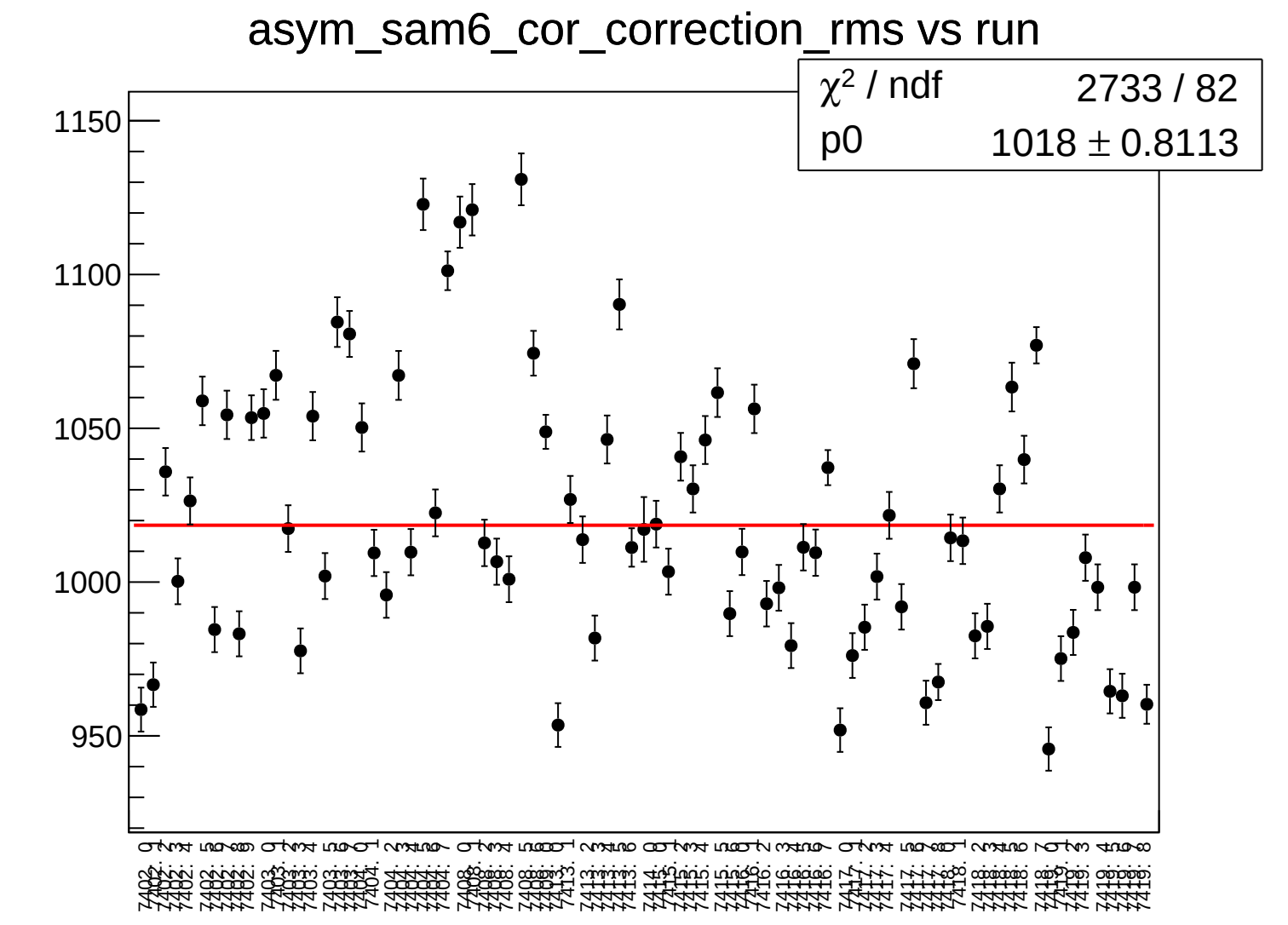

cor_asym_sam6_mean vs run
χ^2 / ndf 71.39 / 82
p0 89.73 ± 208.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 224.4
Std Dev 0
2
1
0
−1
−2

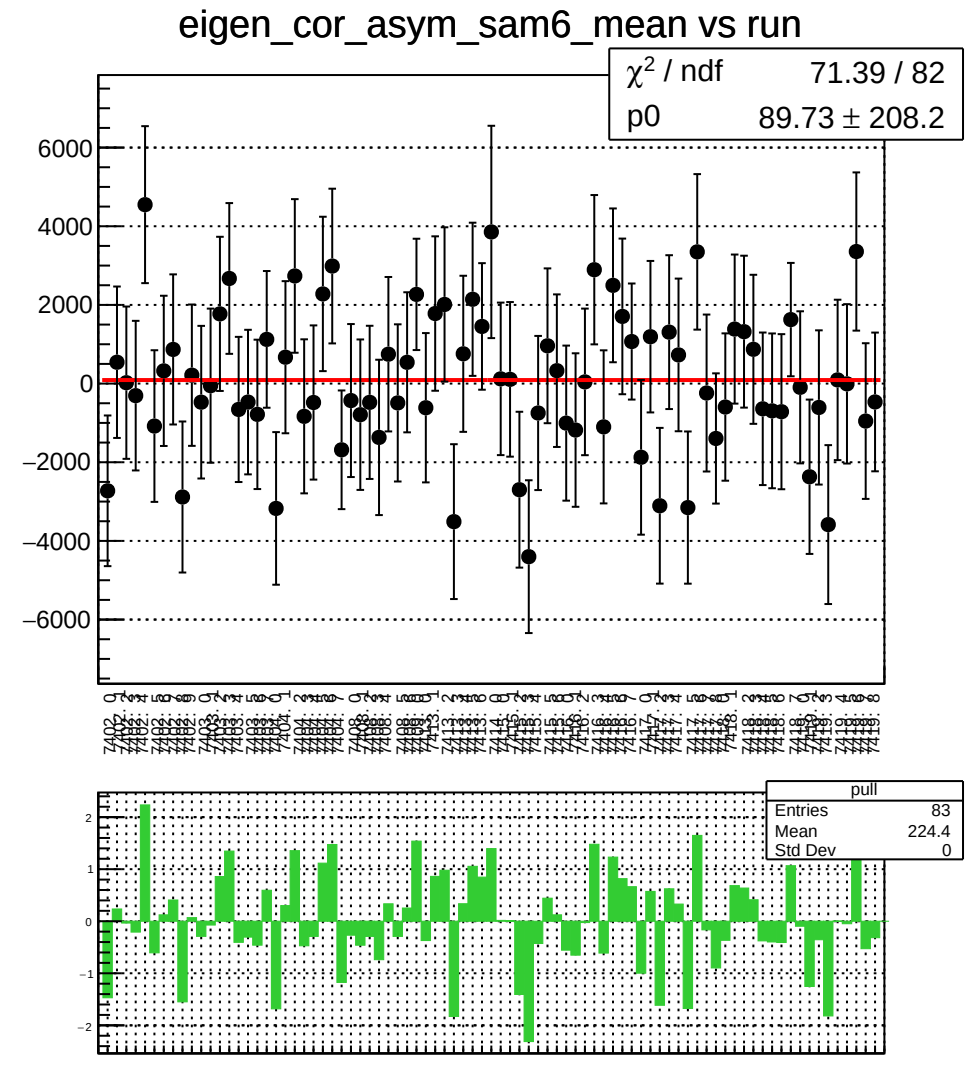

pull1D
Entries 83
Mean −0.00573
Std Dev 0.9274
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

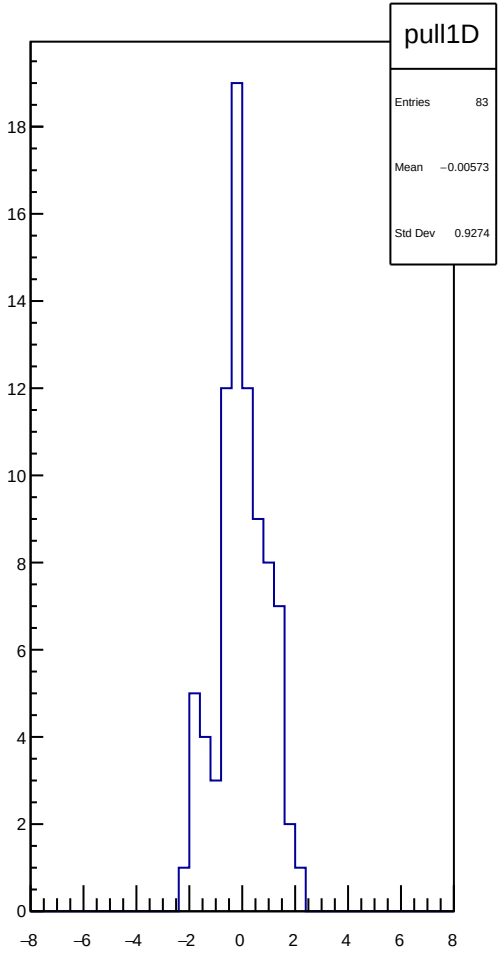

cor_asym_sam6_rms vs run
χ² / ndf 643.6 / 82
p0 185 ± 0.1472
195
190
185
180
175

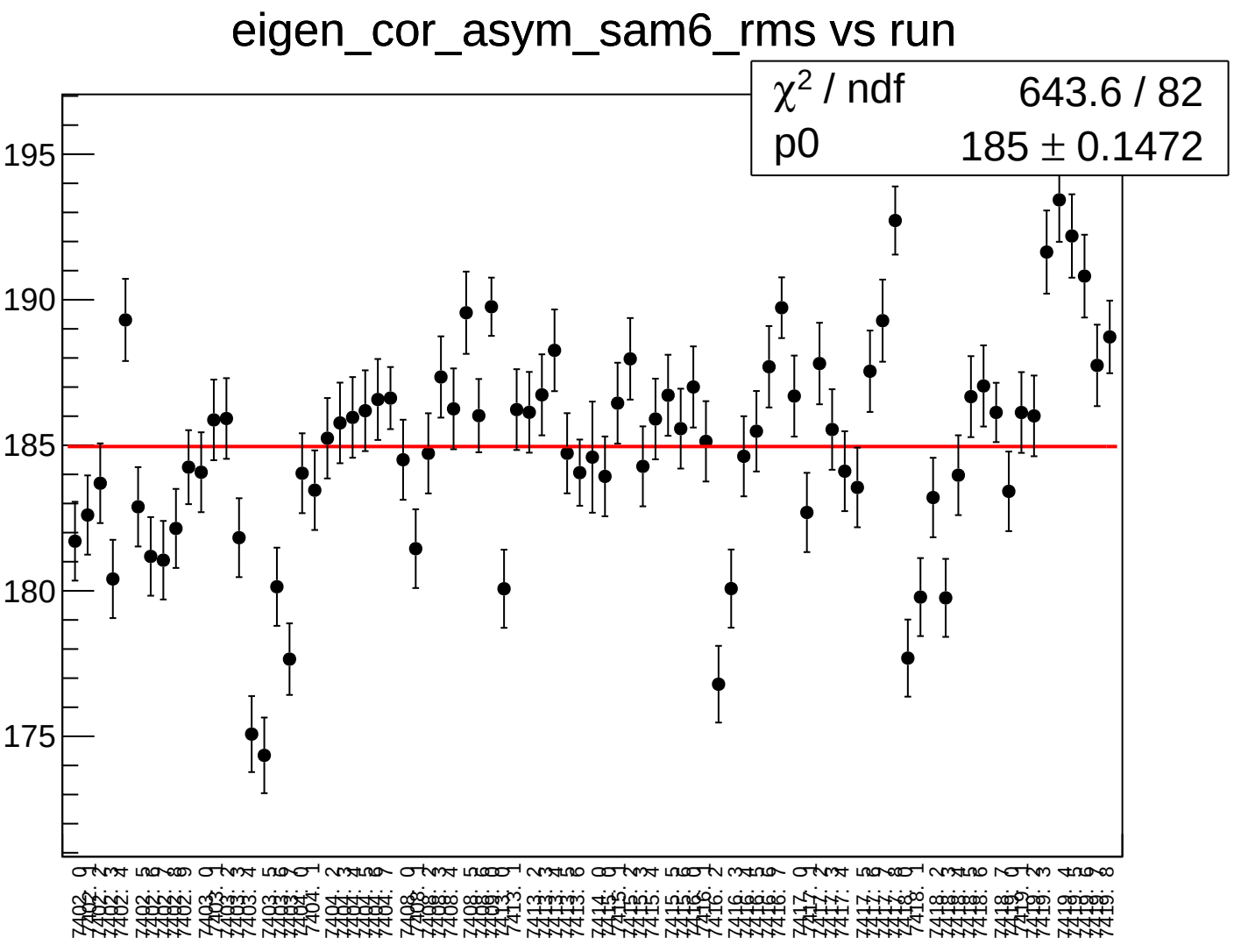

asym_sam6_cor_correction_mean vs run
χ² / ndf 65.37 / 82
p0 1181 ± 1147
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −1328
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

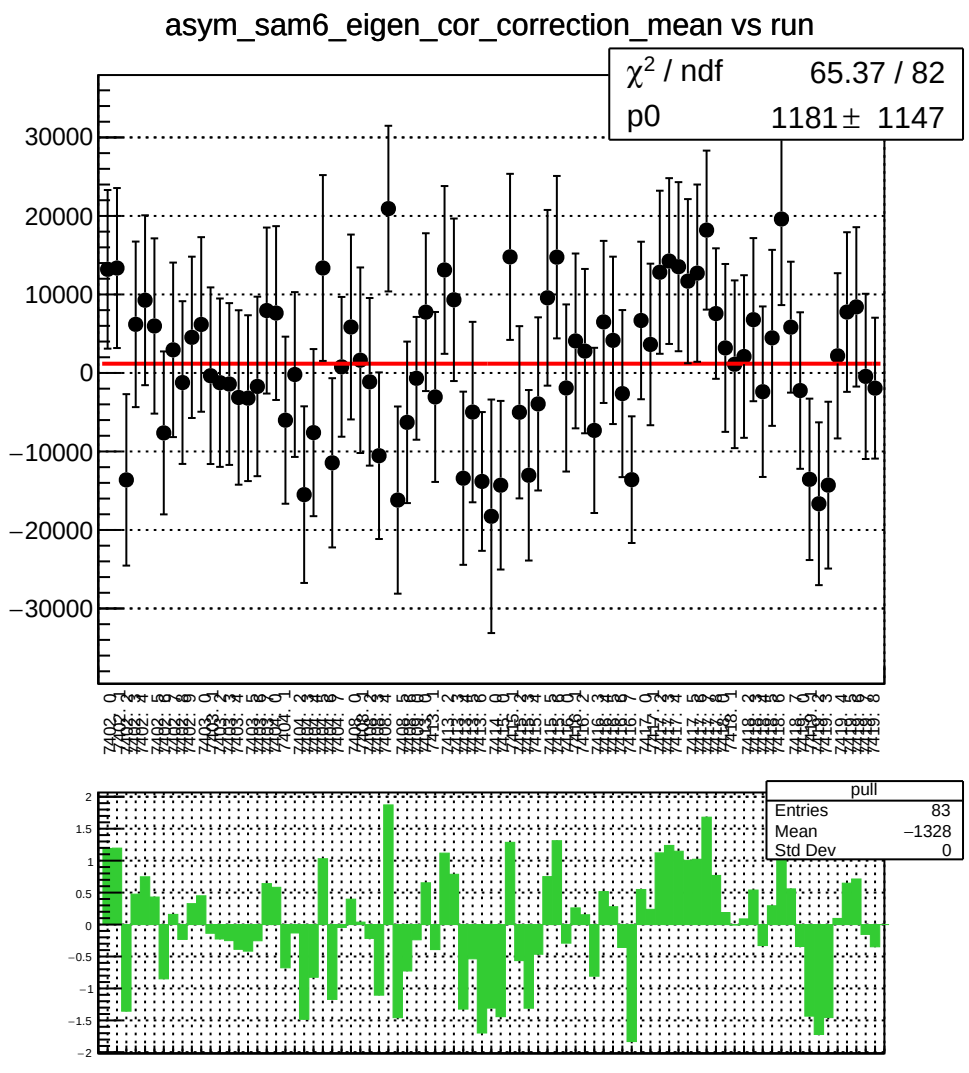

pull1D
Entries 83
Mean −0.0008957
Std Dev 0.8875
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

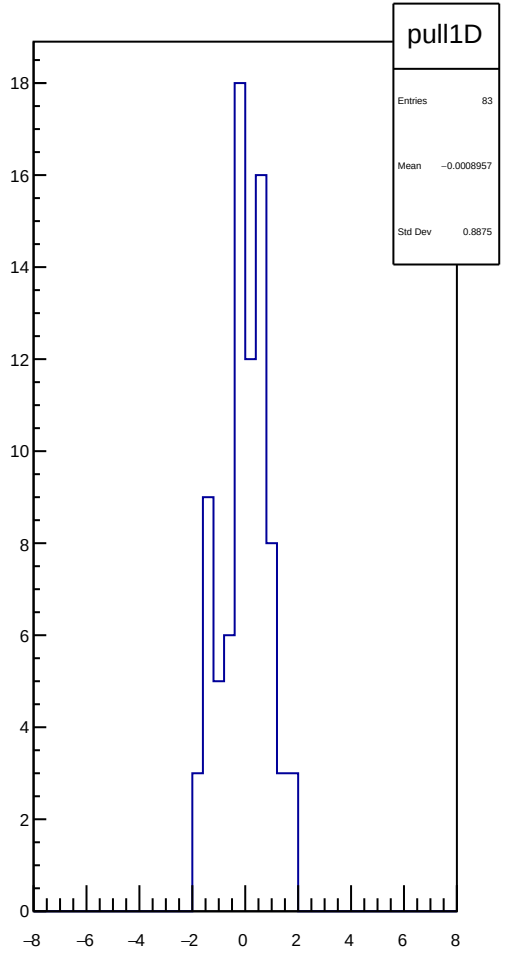

asym_sam6_cor_correction_rms vs run
χ² / ndf 2733 / 82
p0 1018 ± 0.8113
1150
1100
1050
1000
950

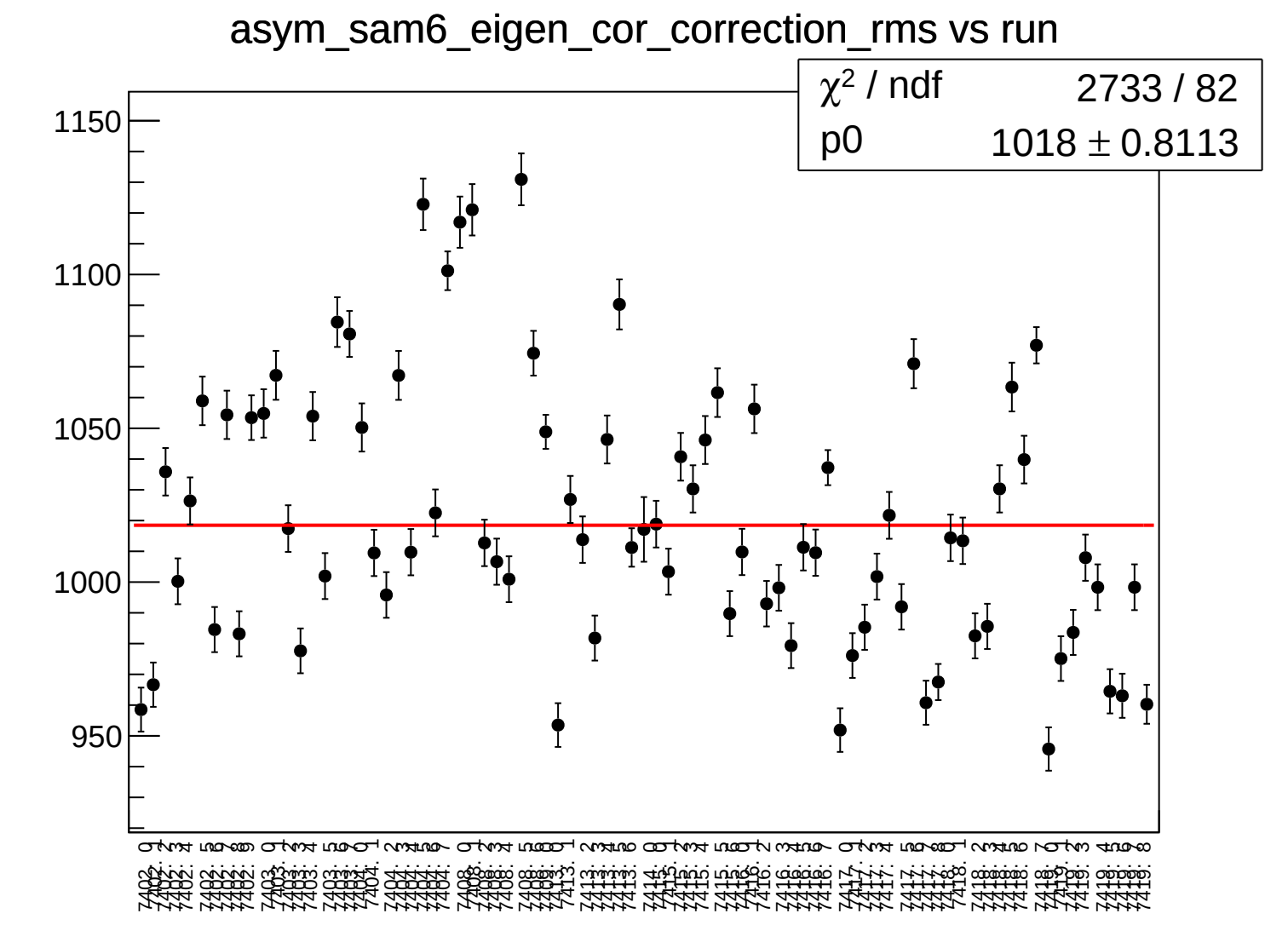

eigen_cor_asym_sam6_mean vs run
χ² / ndf 71.39 / 82
p0 89.73 ± 208.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 224.4
Std Dev 0
2
1
0
−1
−2

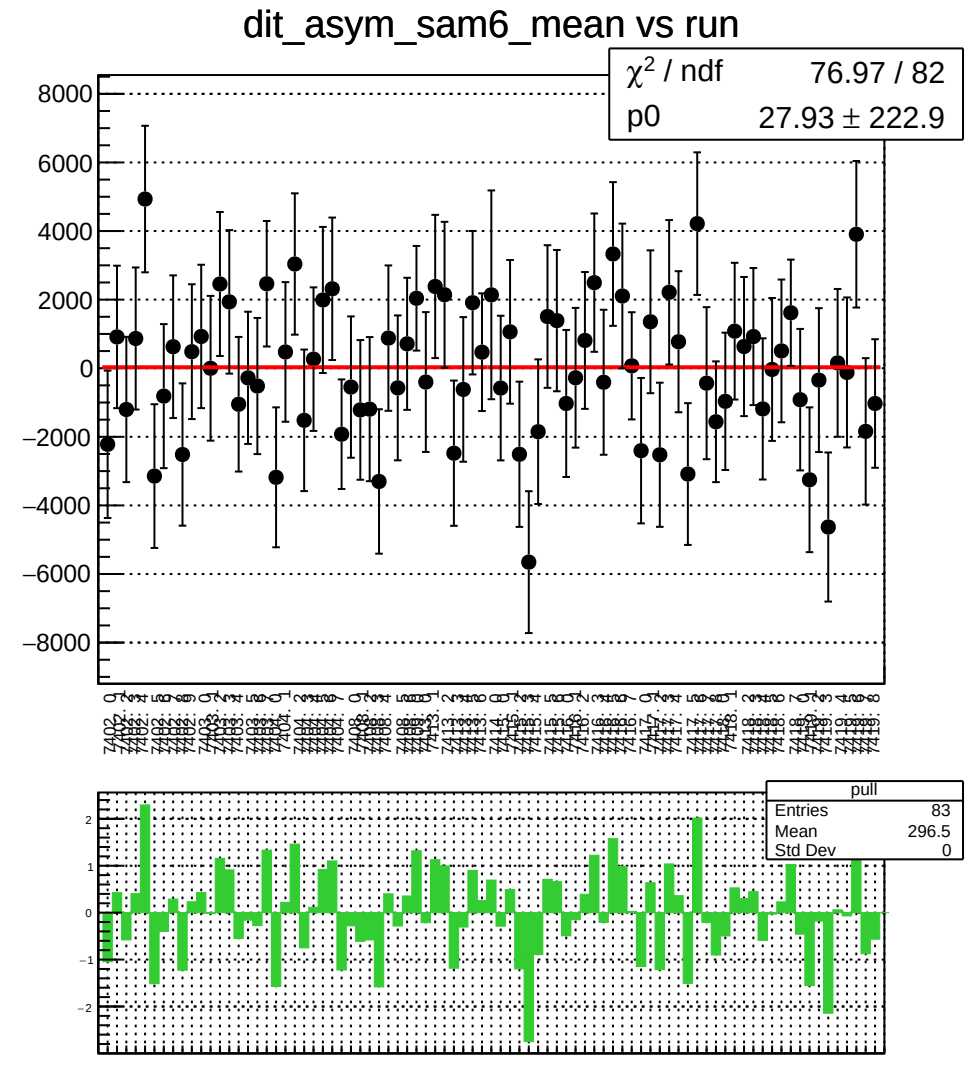

pull1D
Entries 83
Mean −0.00573
Std Dev 0.9274
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

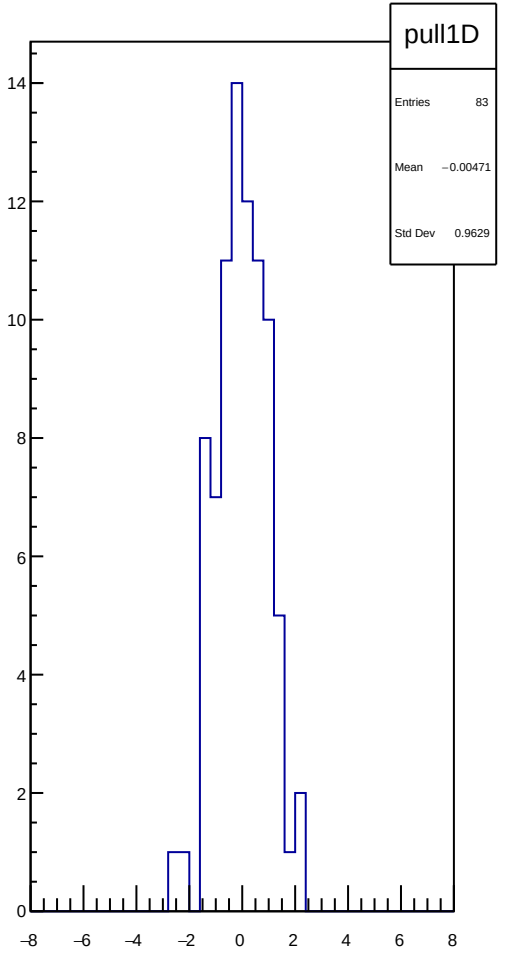

eigen_cor_asym_sam6_rms vs run
χ² / ndf 643.6 / 82
p0 185 ± 0.1472
195
190
185
180
175

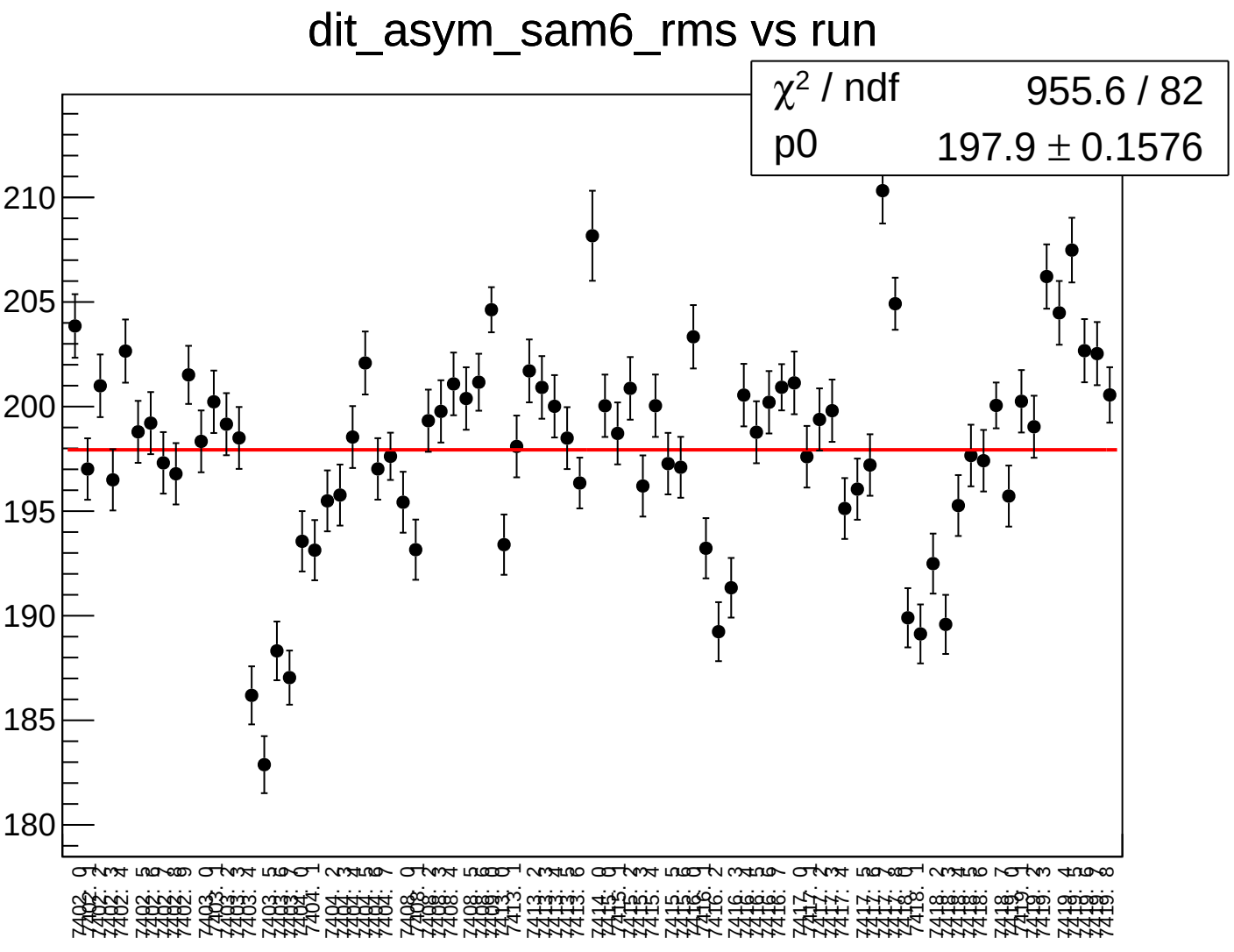

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 65.37 / 82
p0 1181 ± 1147
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −1328
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

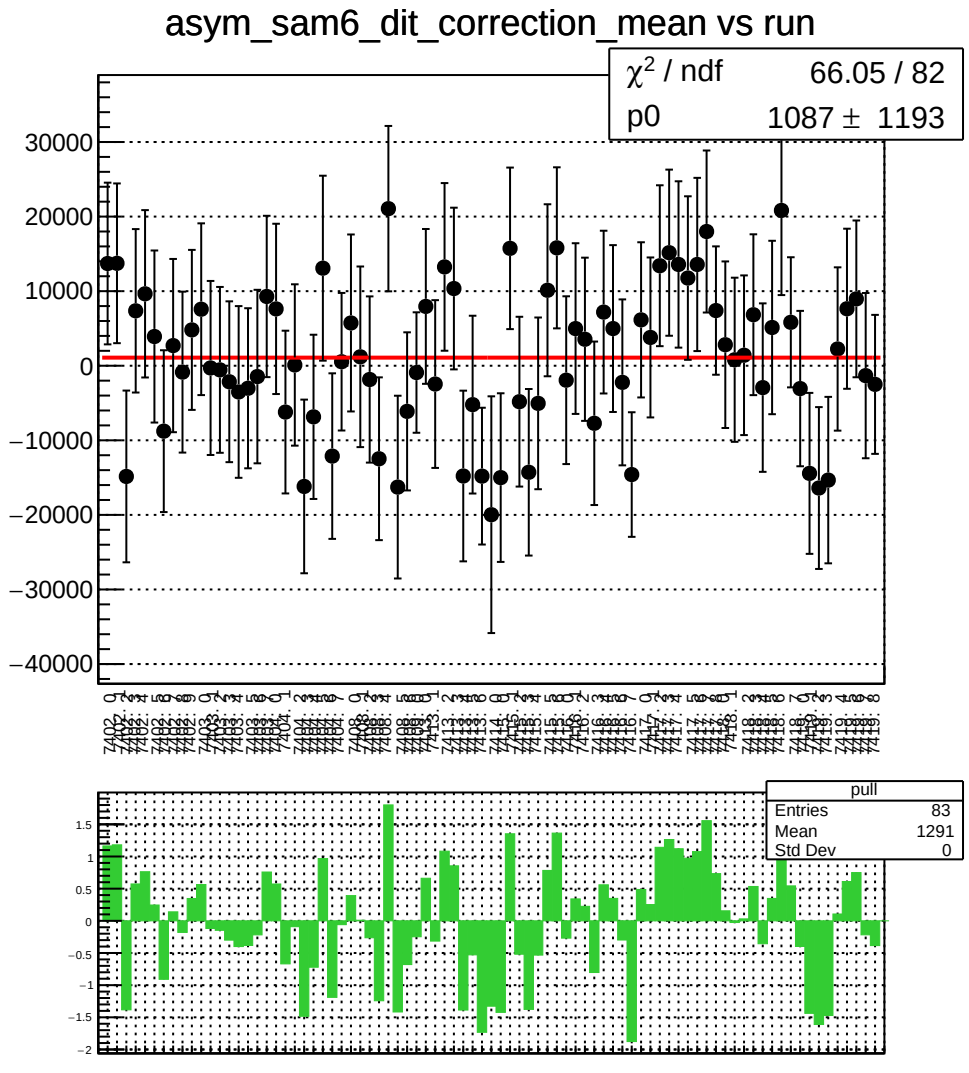

pull1D
Entries 83
Mean −0.0008957
Std Dev 0.8875
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

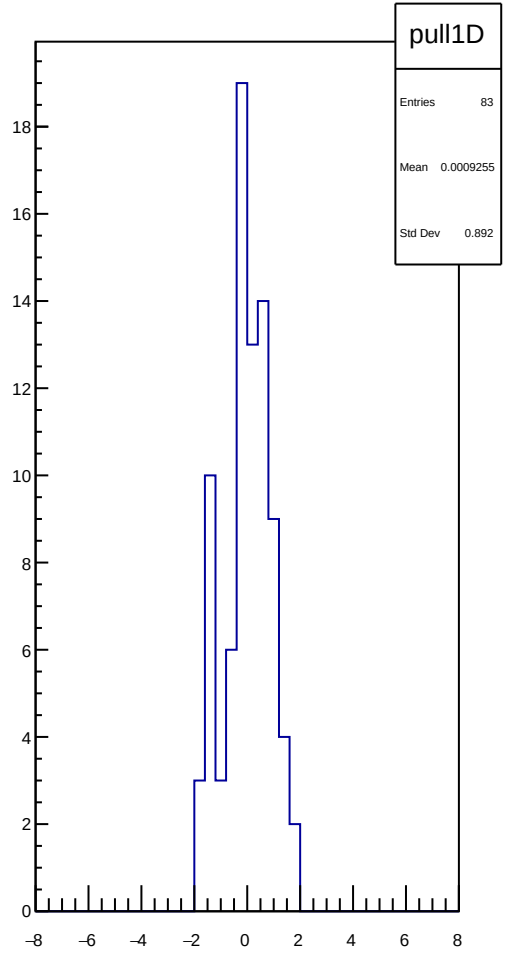

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2733 / 82
p0 1018 ± 0.8113
1150
1100
1050
1000
950

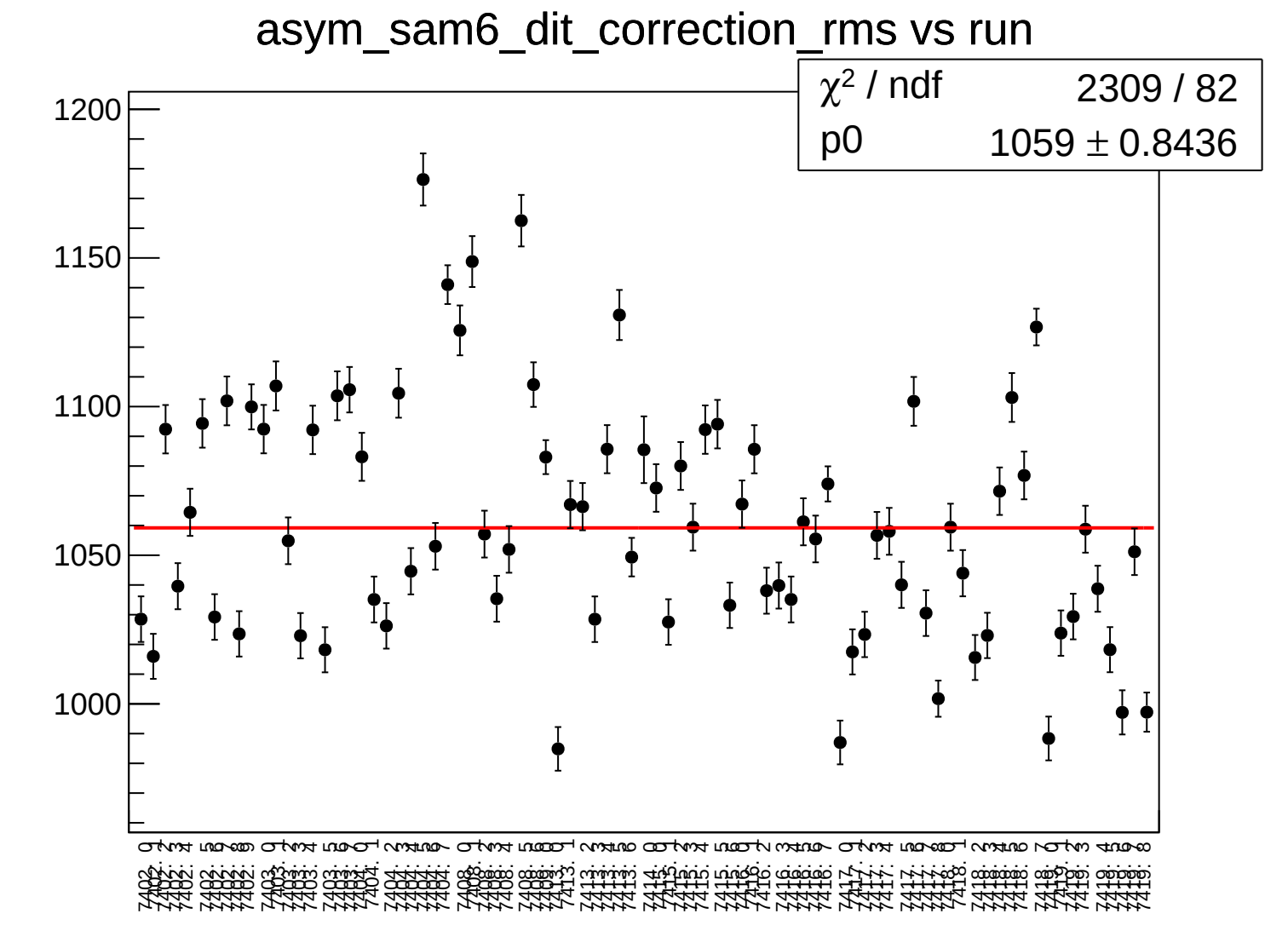

dit_asym_sam6_mean vs run
χ² / ndf 76.97 / 82
p0 27.93 ± 222.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 296.5
Std Dev 0
2
1
0
−1
−2

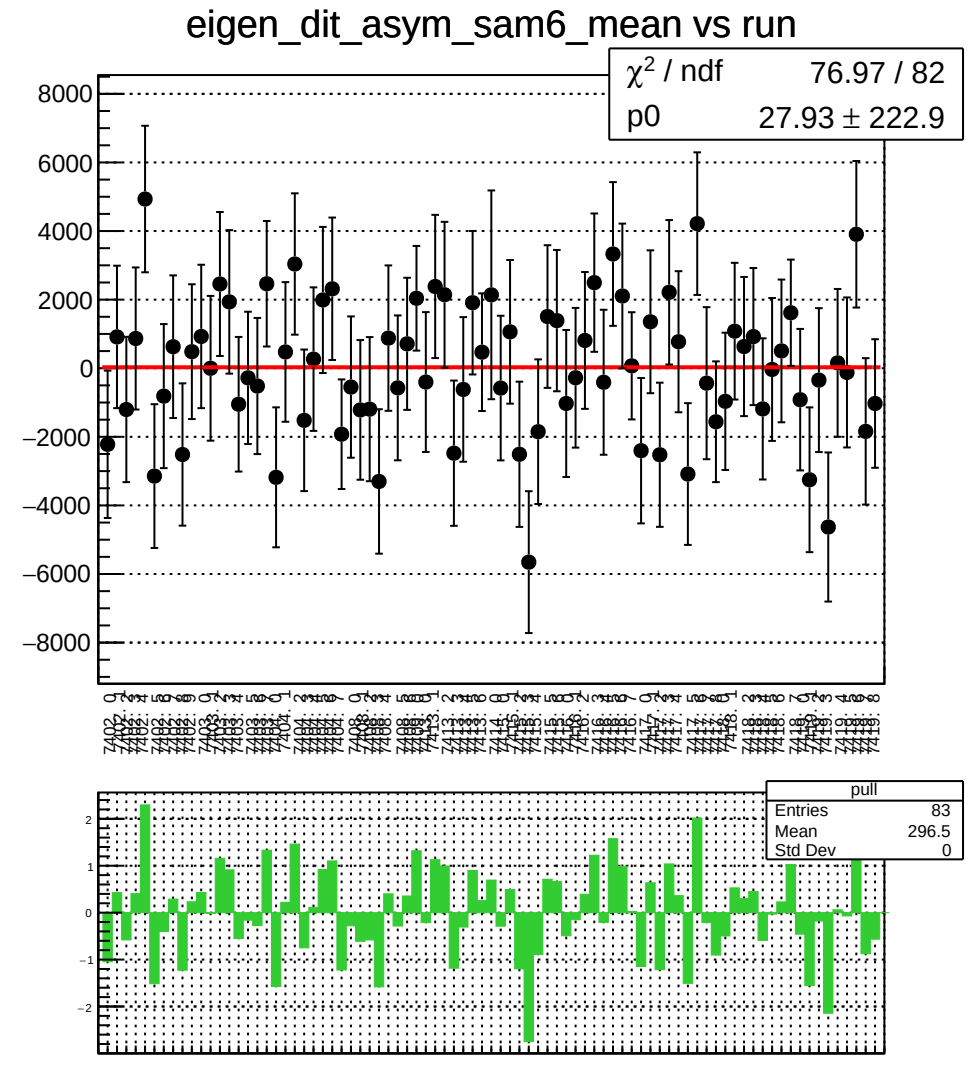

pull1D
Entries 83
Mean −0.00471
Std Dev 0.9629
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

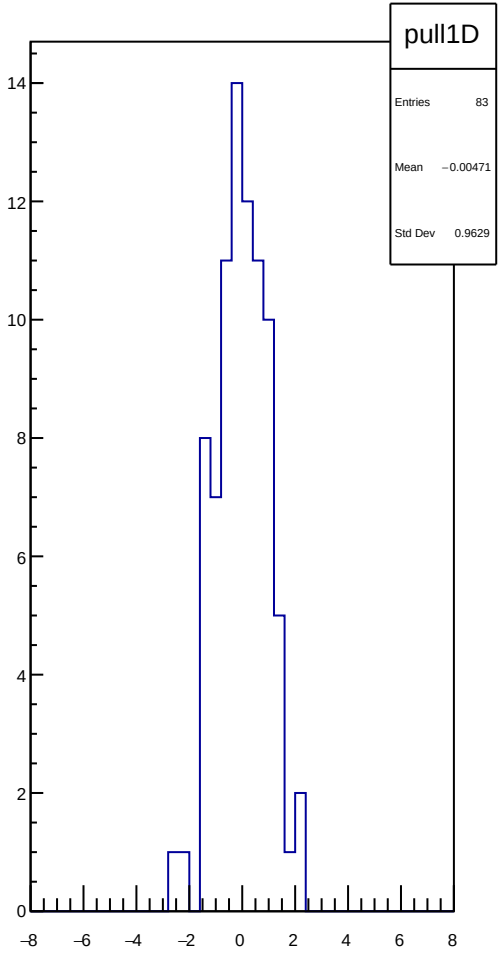

dit_asym_sam6_rms vs run
χ² / ndf 955.6 / 82
p0 197.9 ± 0.1576
210
205
200
195
190
185
180

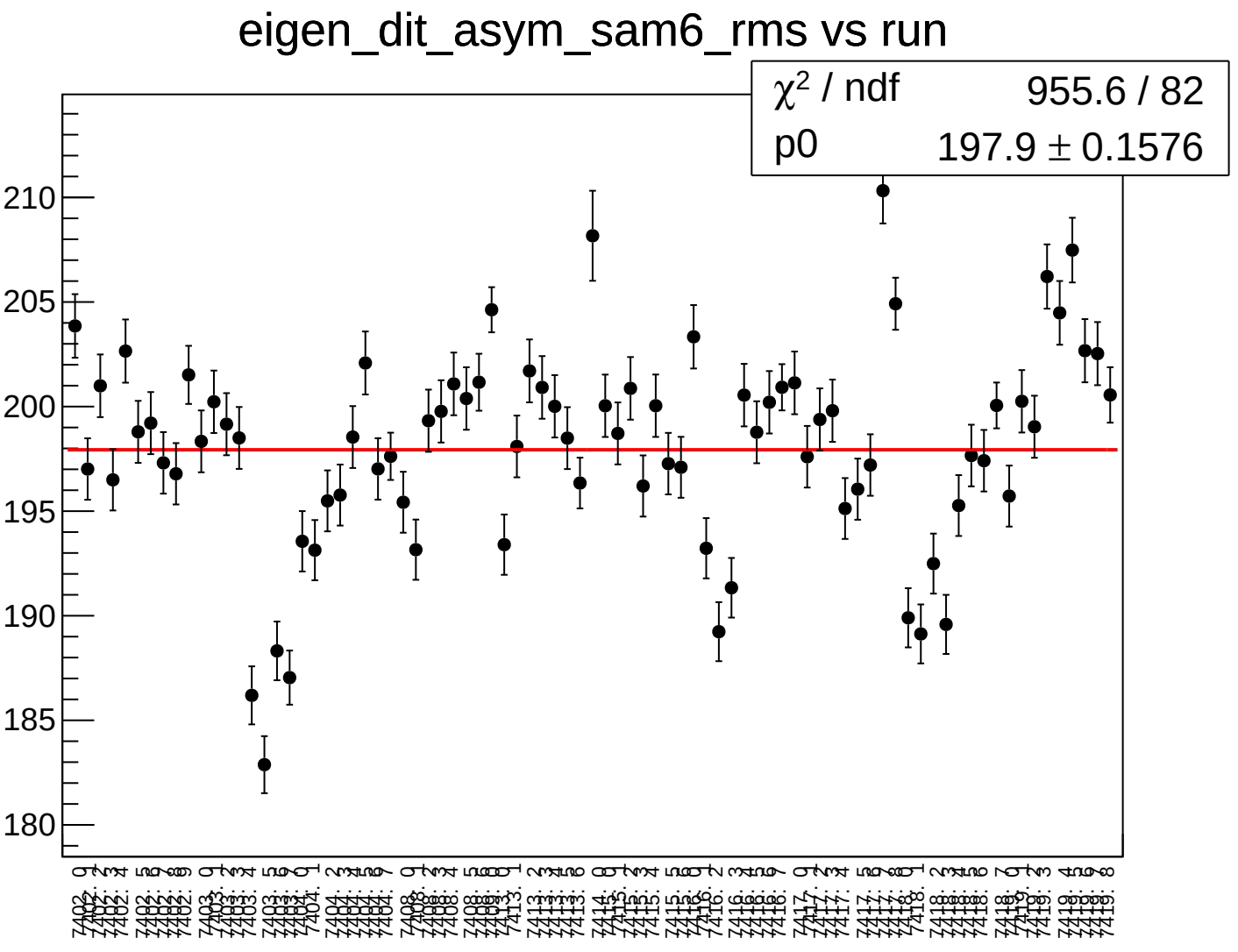

asym_sam6_dit_correction_mean vs run
χ² / ndf 66.05 / 82
p0 1087 ± 1193
pull
Entries 83
Mean 1291
Std Dev 0

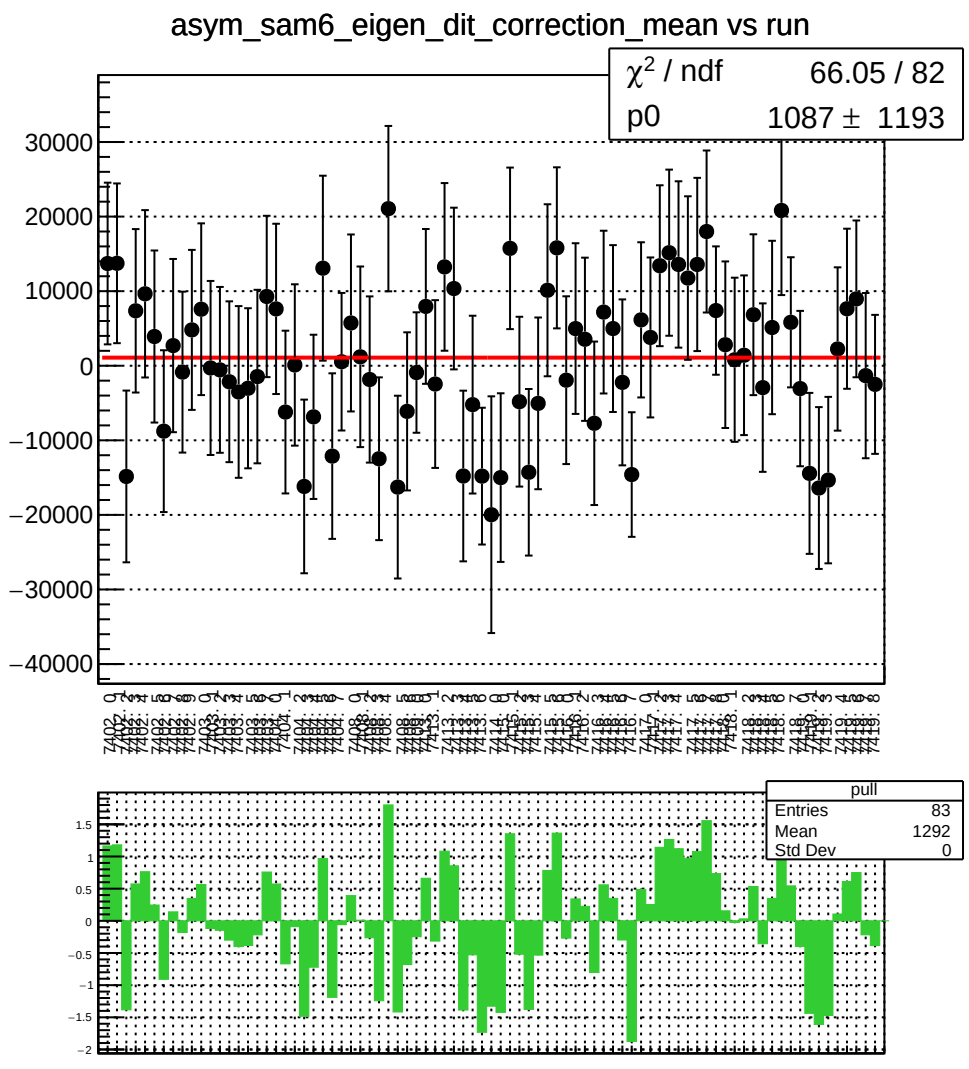

pull1D
Entries 83
Mean 0.0009255
Std Dev 0.892

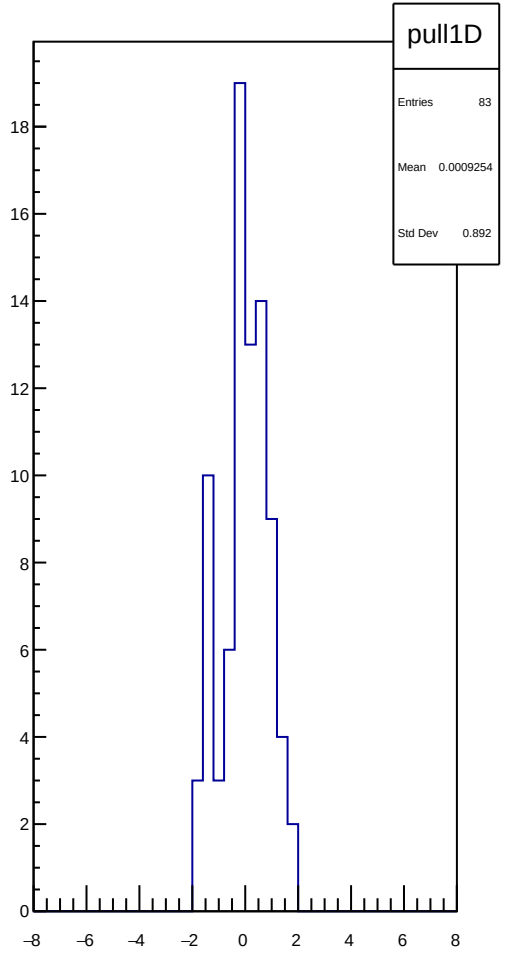

asym_sam6_dit_correction_rms vs run
χ² / ndf 2309 / 82
p0 1059 ± 0.8436
1200
1150
1100
1050
1000

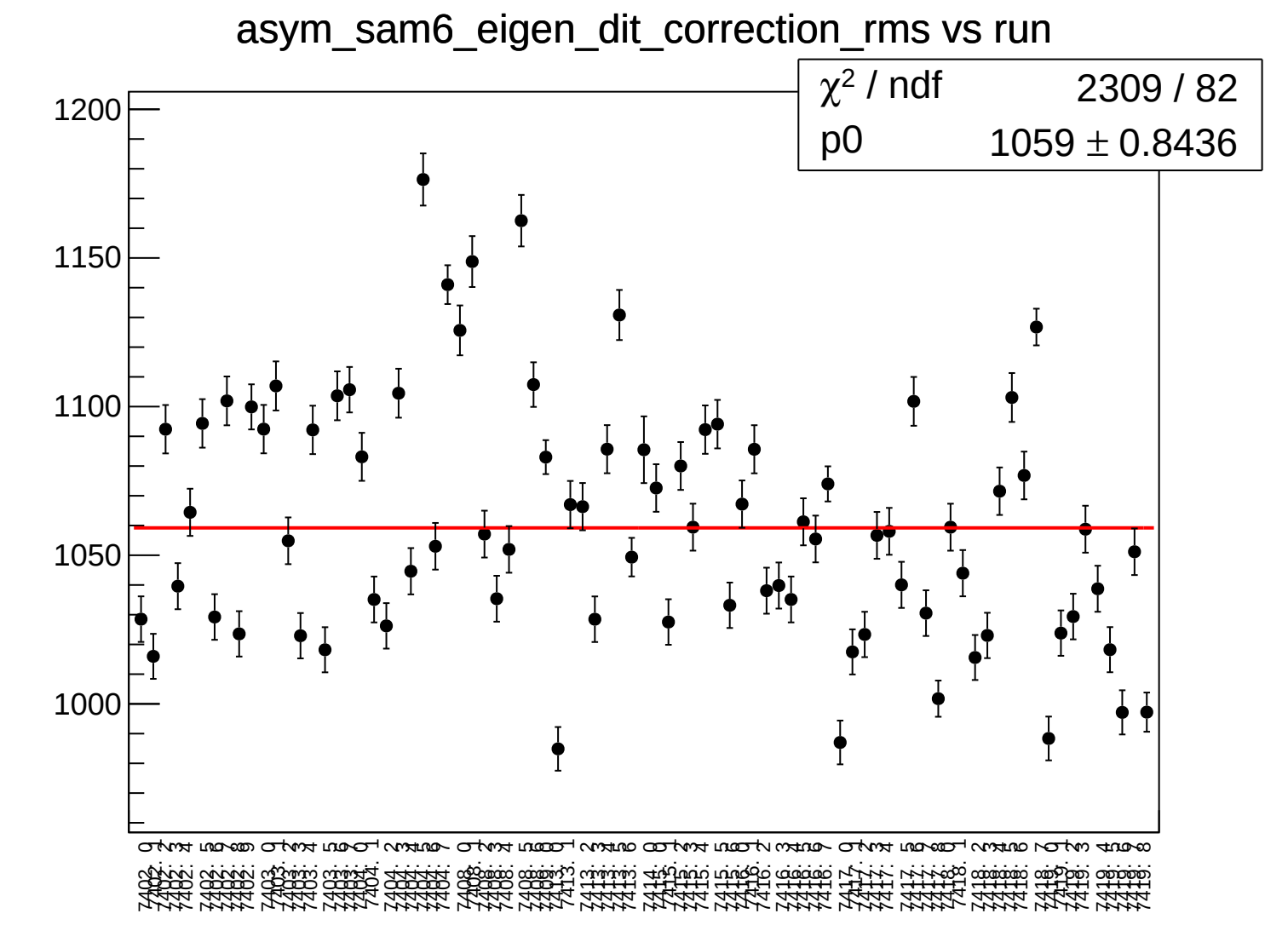

eigen_dit_asym_sam6_mean vs run
χ² / ndf 76.97 / 82
p0 27.93 ± 222.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 296.5
Std Dev 0
2
1
0
−1
−2

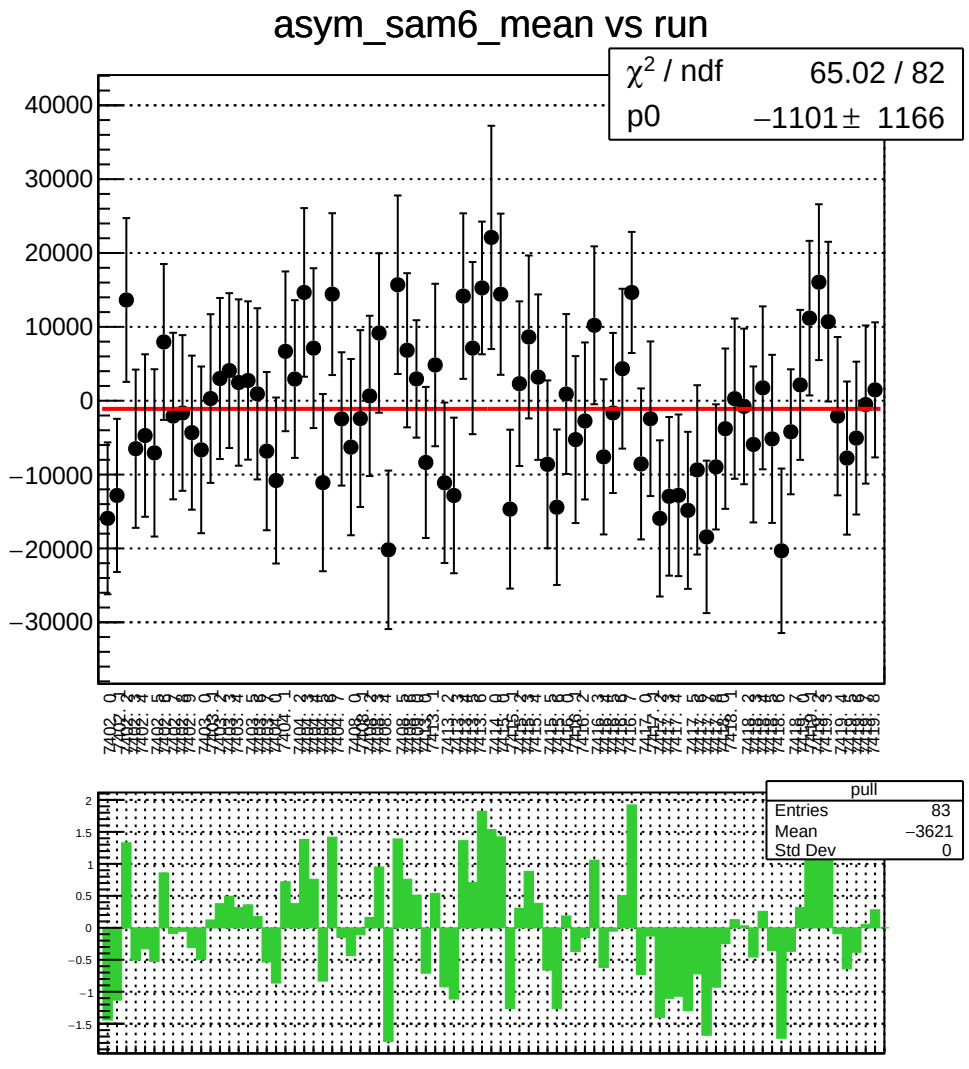

pull1D
Entries 83
Mean −0.00471
Std Dev 0.9629
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

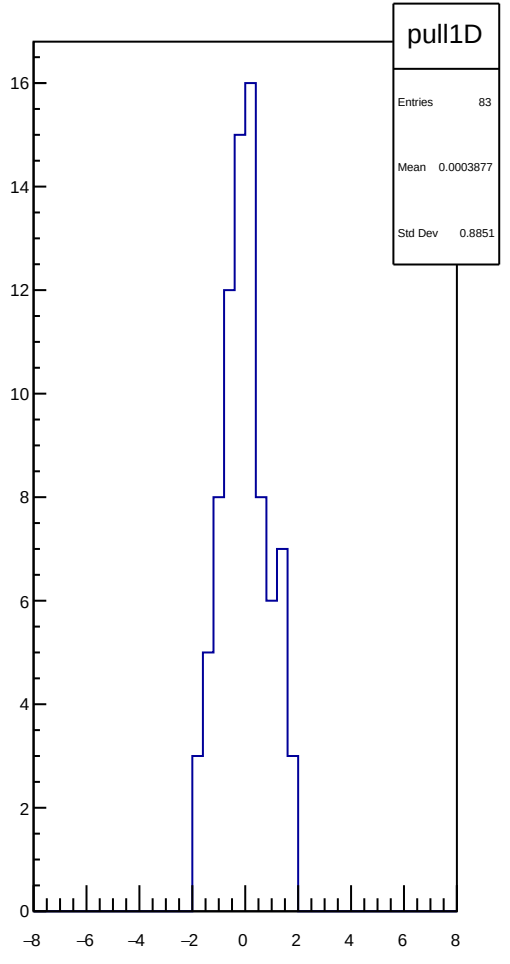

eigen_dit_asym_sam6_rms vs run
χ^2 / ndf 955.6 / 82
p0 197.9 ± 0.1576
210
205
200
195
190
185
180

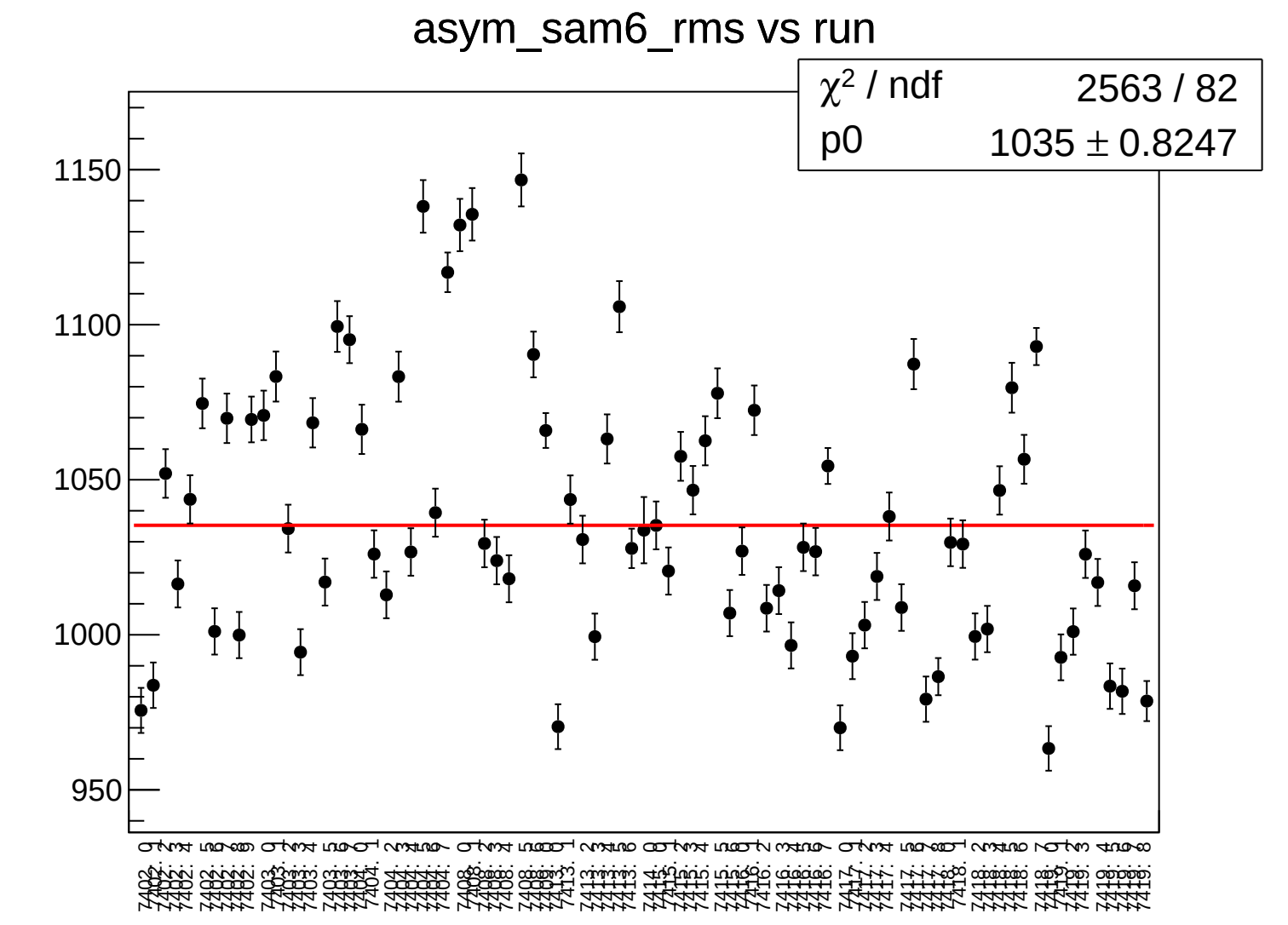

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 66.05 / 82
p0 1087 ± 1193
pull
Entries 83
Mean 1292
Std Dev 0

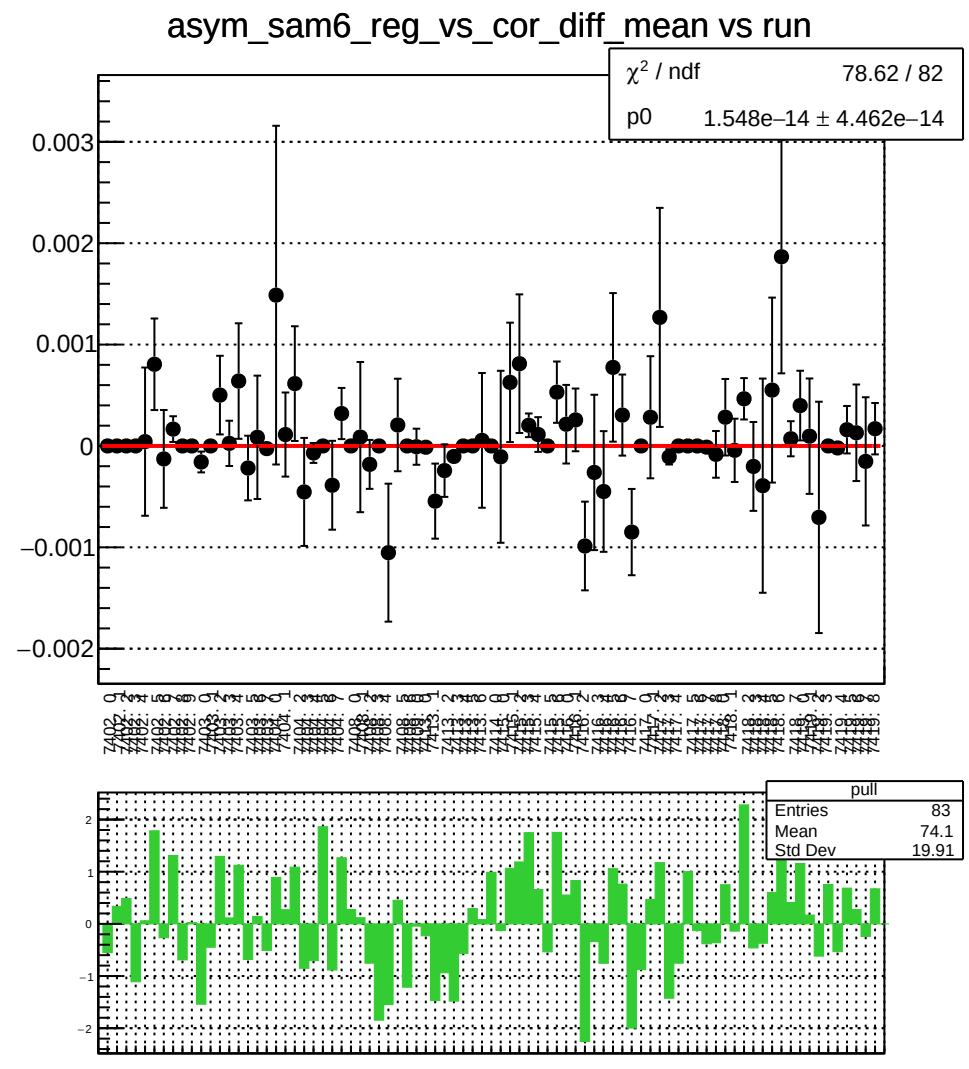

pull1D
Entries 83
Mean 0.0009254
Std Dev 0.892

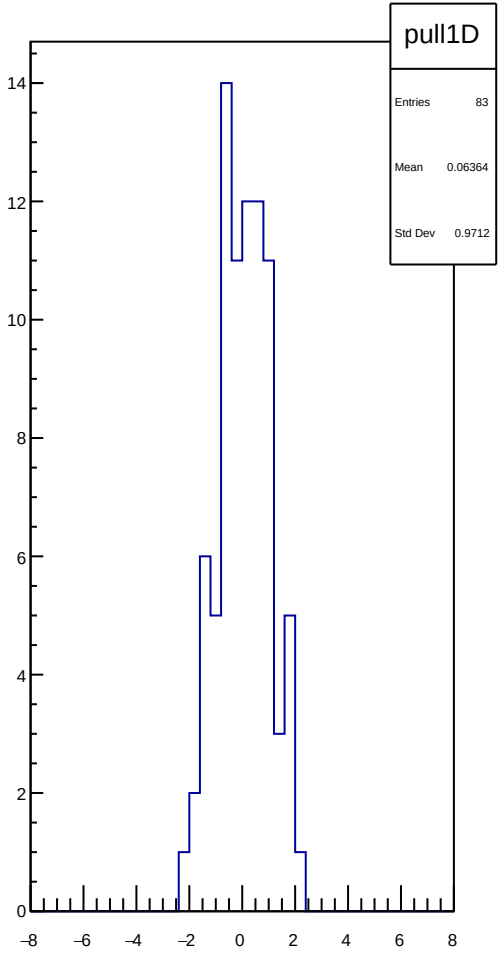

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 2309 / 82
p0 1059 ± 0.8436
1200
1150
1100
1050
1000

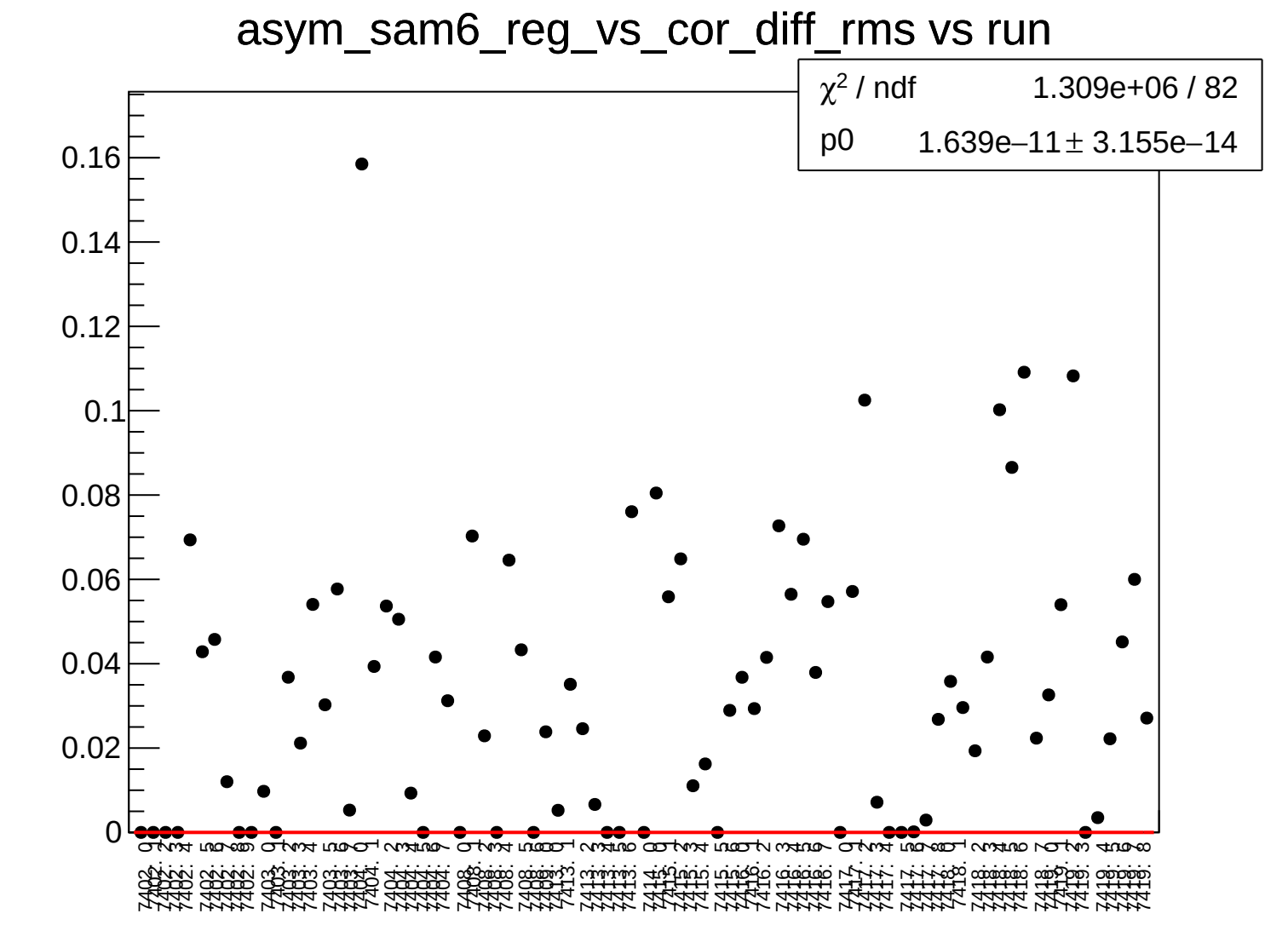

asym_sam6_mean vs run
χ² / ndf 65.02 / 82
p0 −1101 ± 1166
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −3621
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

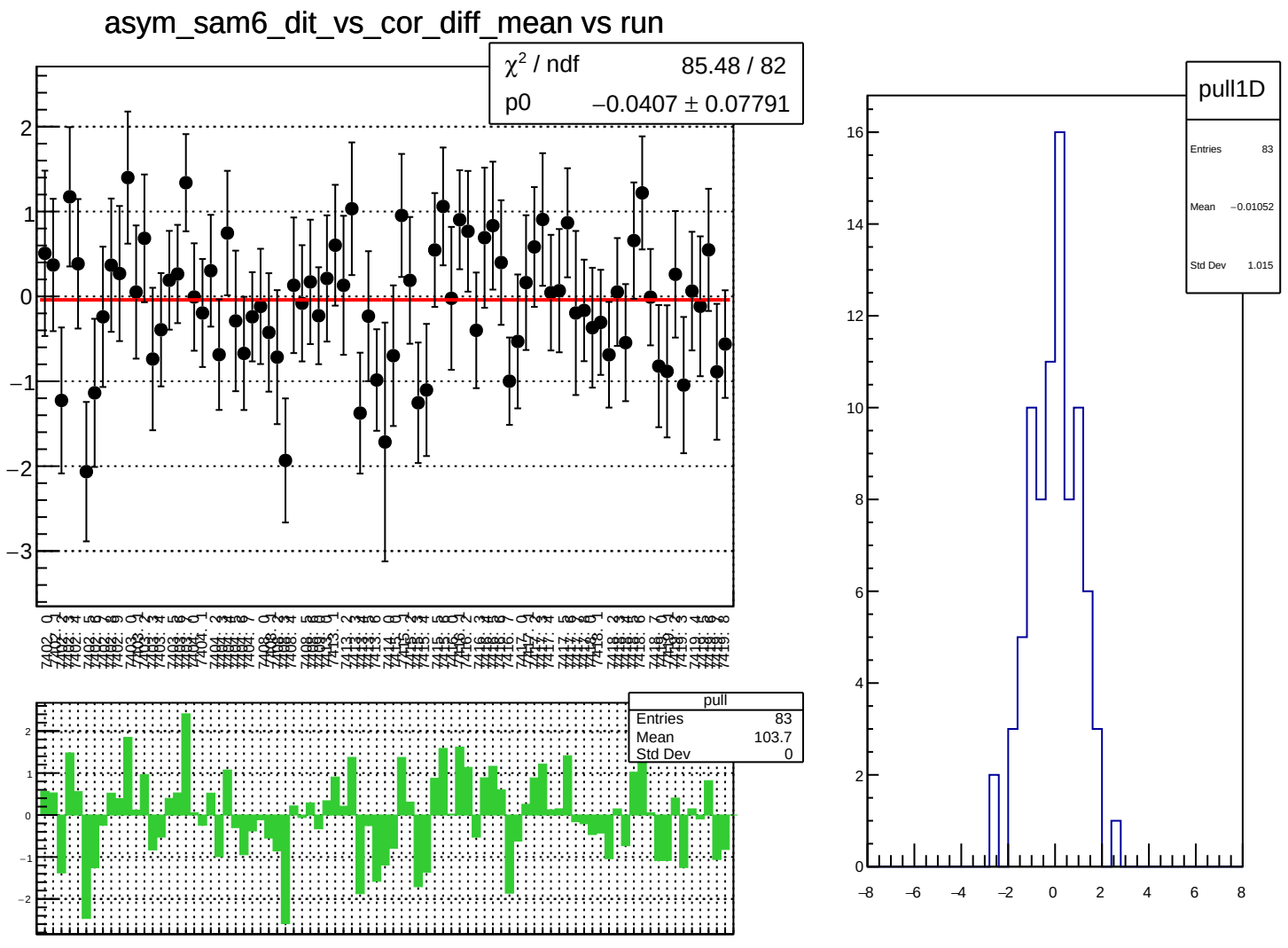

pull1D
Entries 83
Mean 0.0003877
Std Dev 0.8851
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

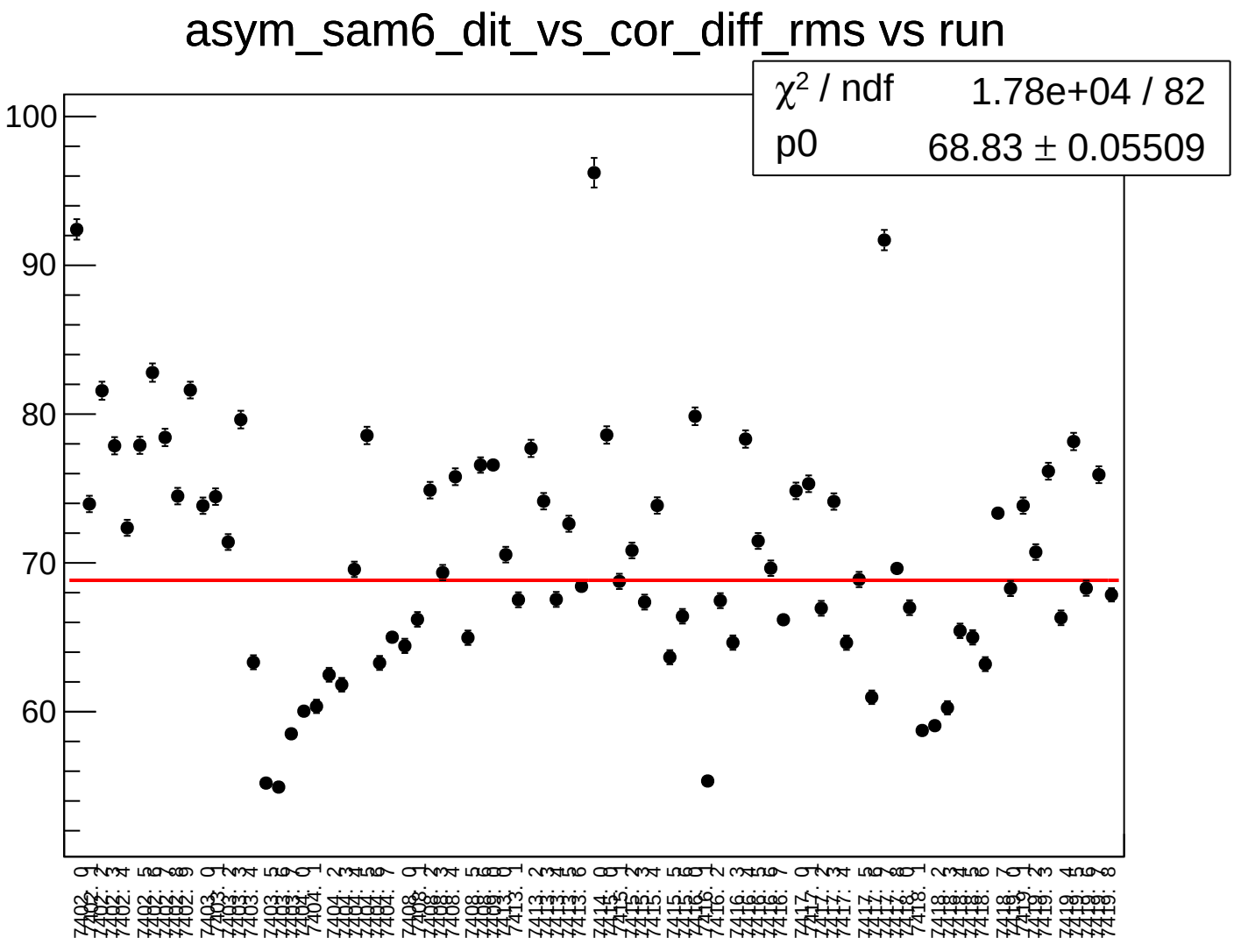

asym_sam6_rms vs run
χ² / ndf 2563 / 82
p0 1035 ± 0.8247
1150
1100
1050
1000
950

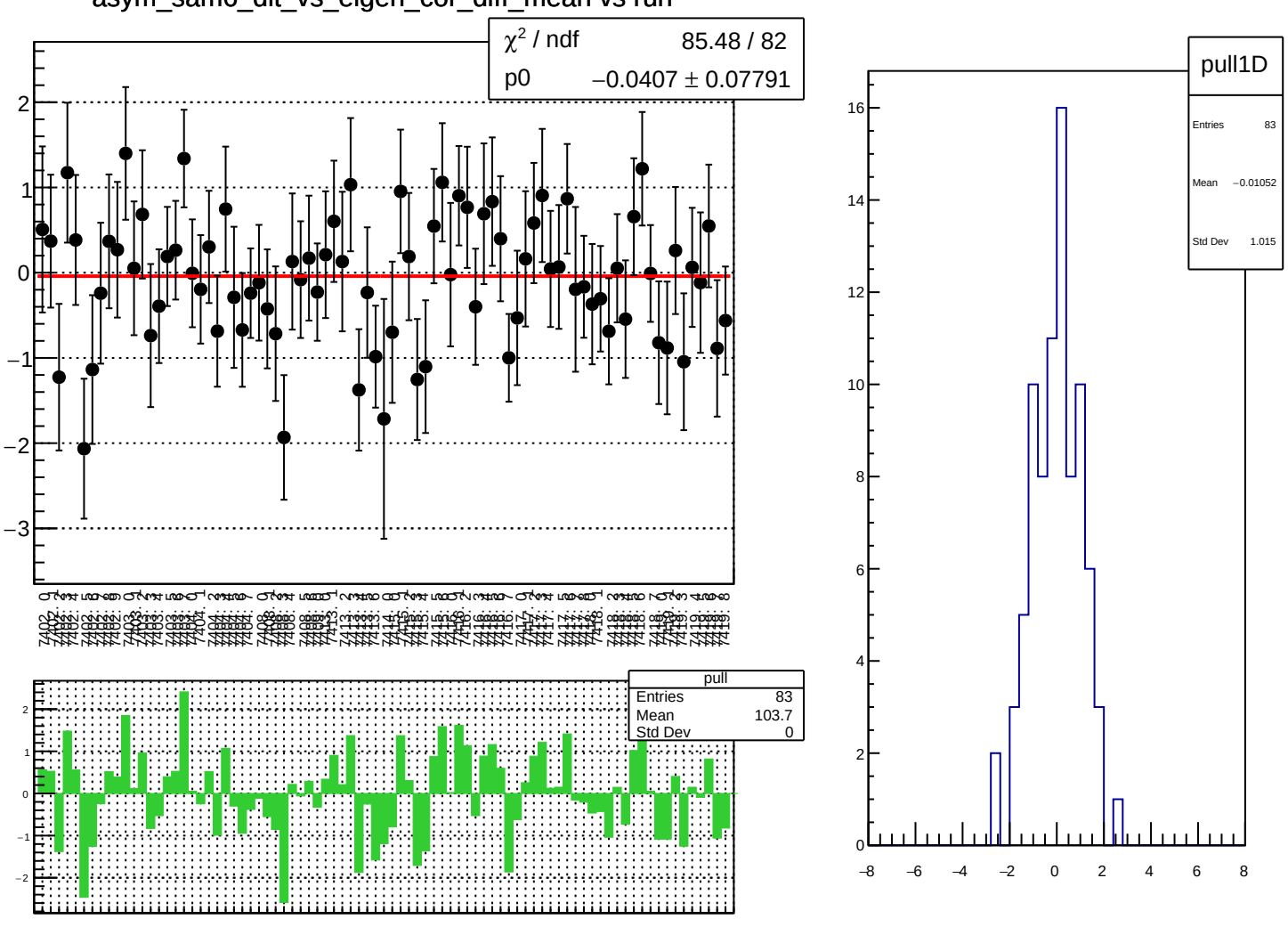

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 78.62 / 82
p0 1.548e−14 ± 4.462e−14
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 83
Mean 74.1
Std Dev 19.91
2
1
0
−1
−2

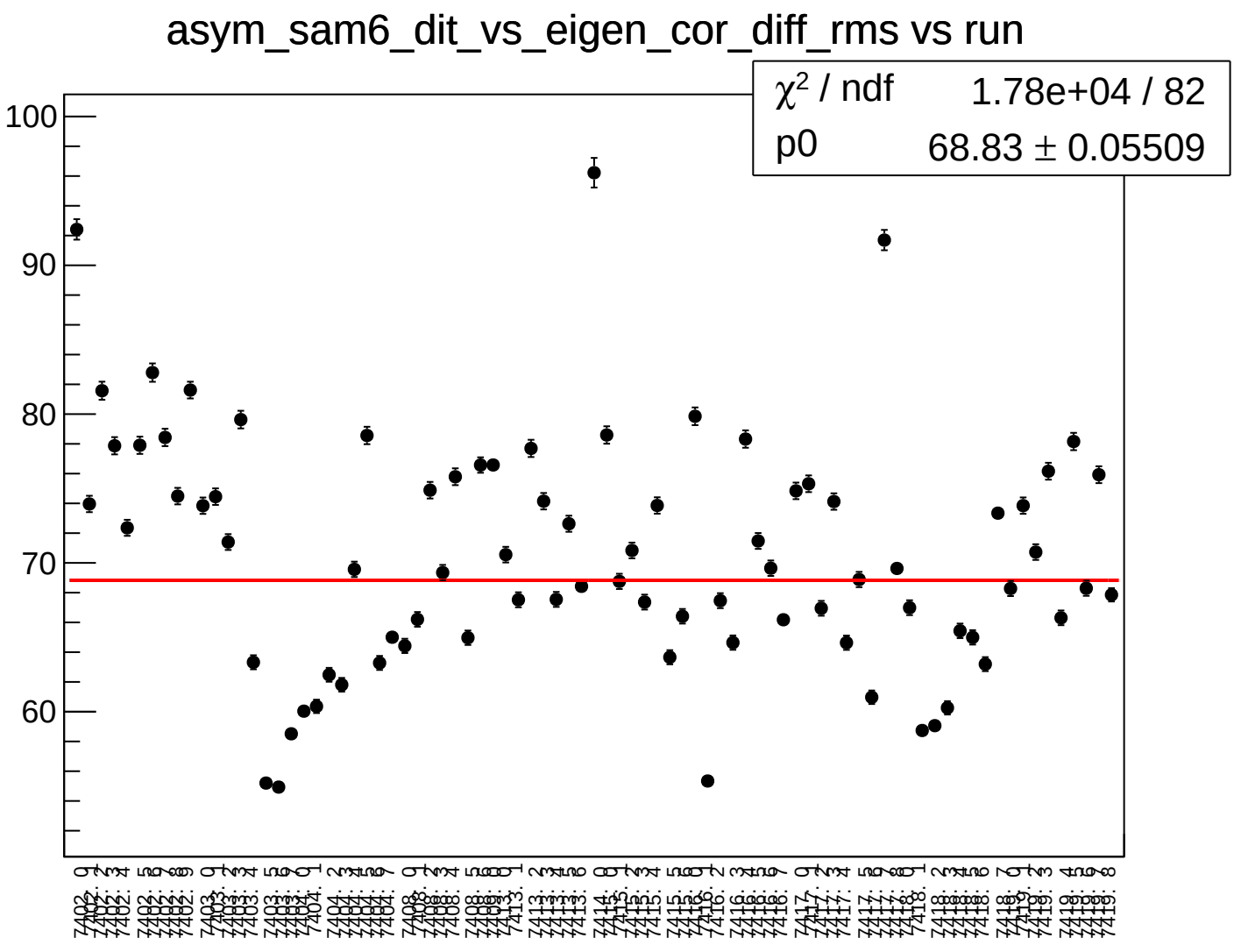

pull1D
Entries 83
Mean 0.06364
Std Dev 0.9712
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

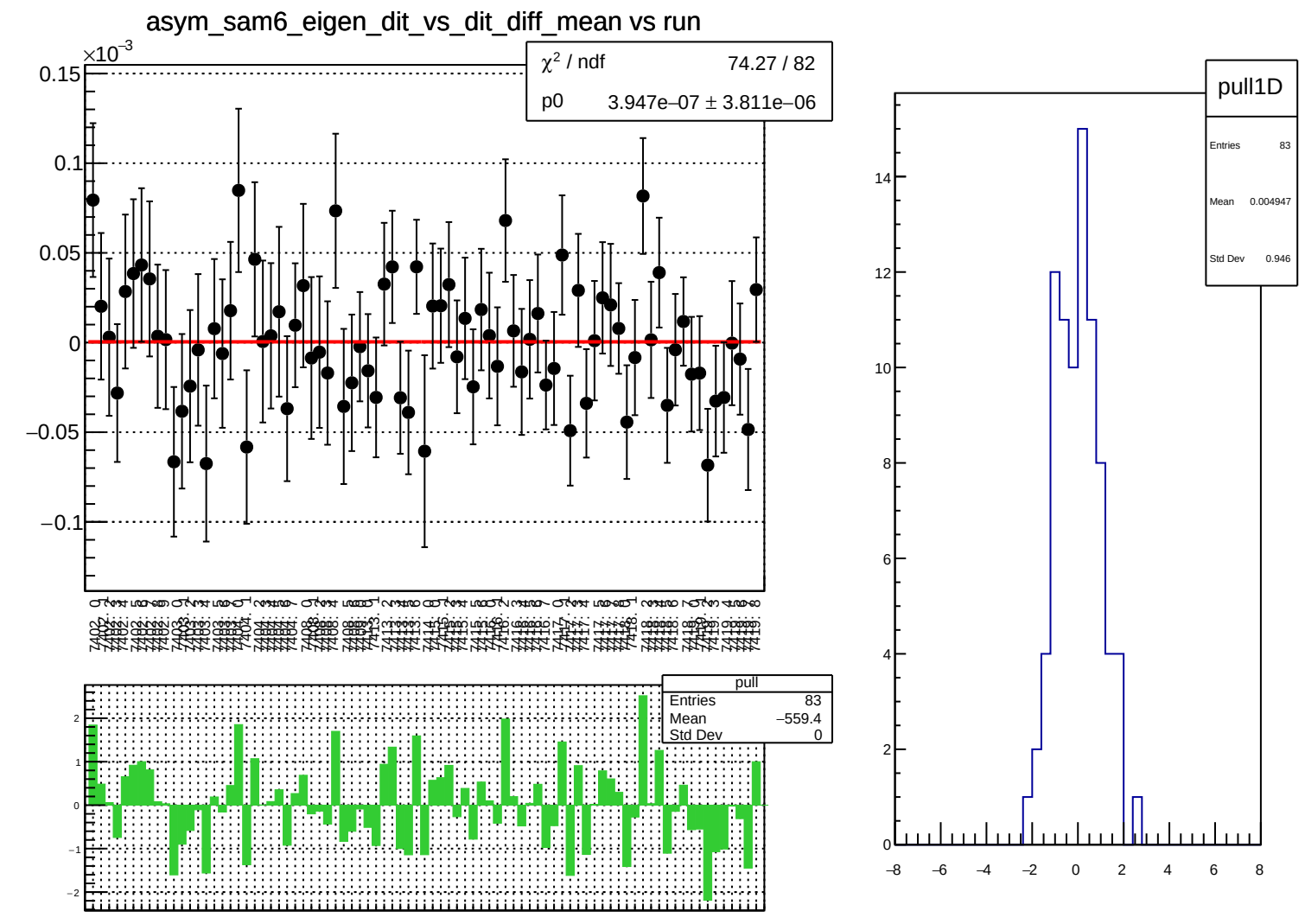

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 1.309e+06 / 82
p0 1.639e−11 ± 3.155e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

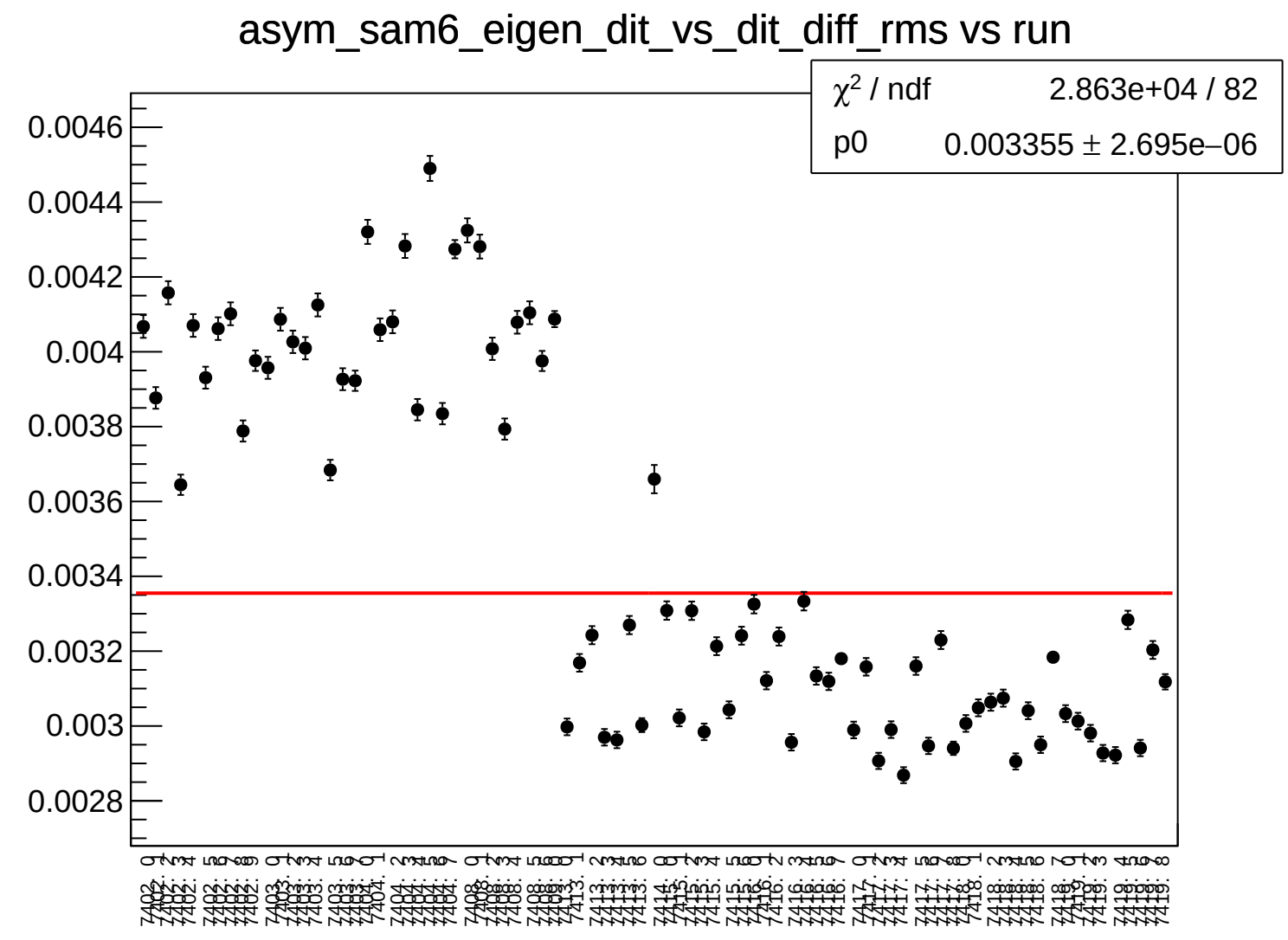

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 85.48 / 82
p0 −0.0407 ± 0.07791
pull
Entries 83
Mean 103.7
Std Dev 0
pull1D
Entries 83
Mean −0.01052
Std Dev 1.015

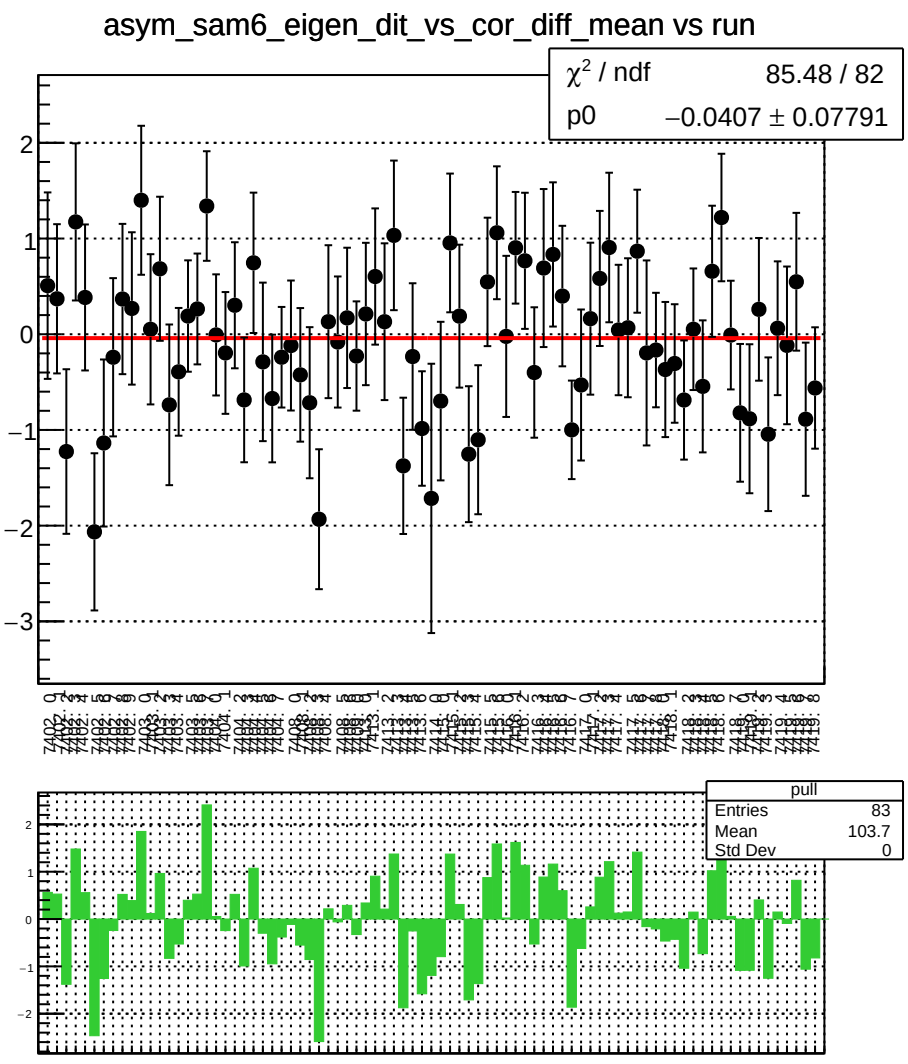

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 82
p0 68.83 ± 0.05509
100
90
80
70
60

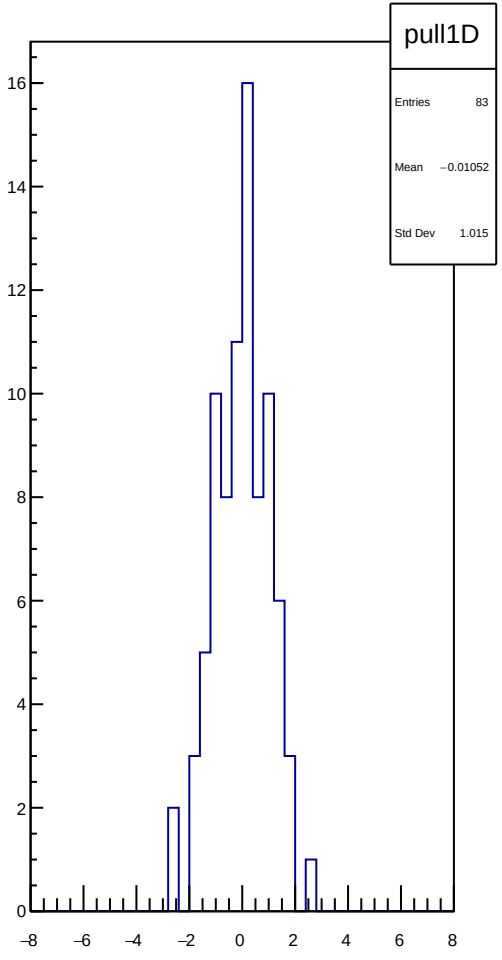

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.48 / 82
p0 −0.0407 ± 0.07791
pull
Entries 83
Mean 103.7
Std Dev 0
pull1D
Entries 83
Mean −0.01052
Std Dev 1.015

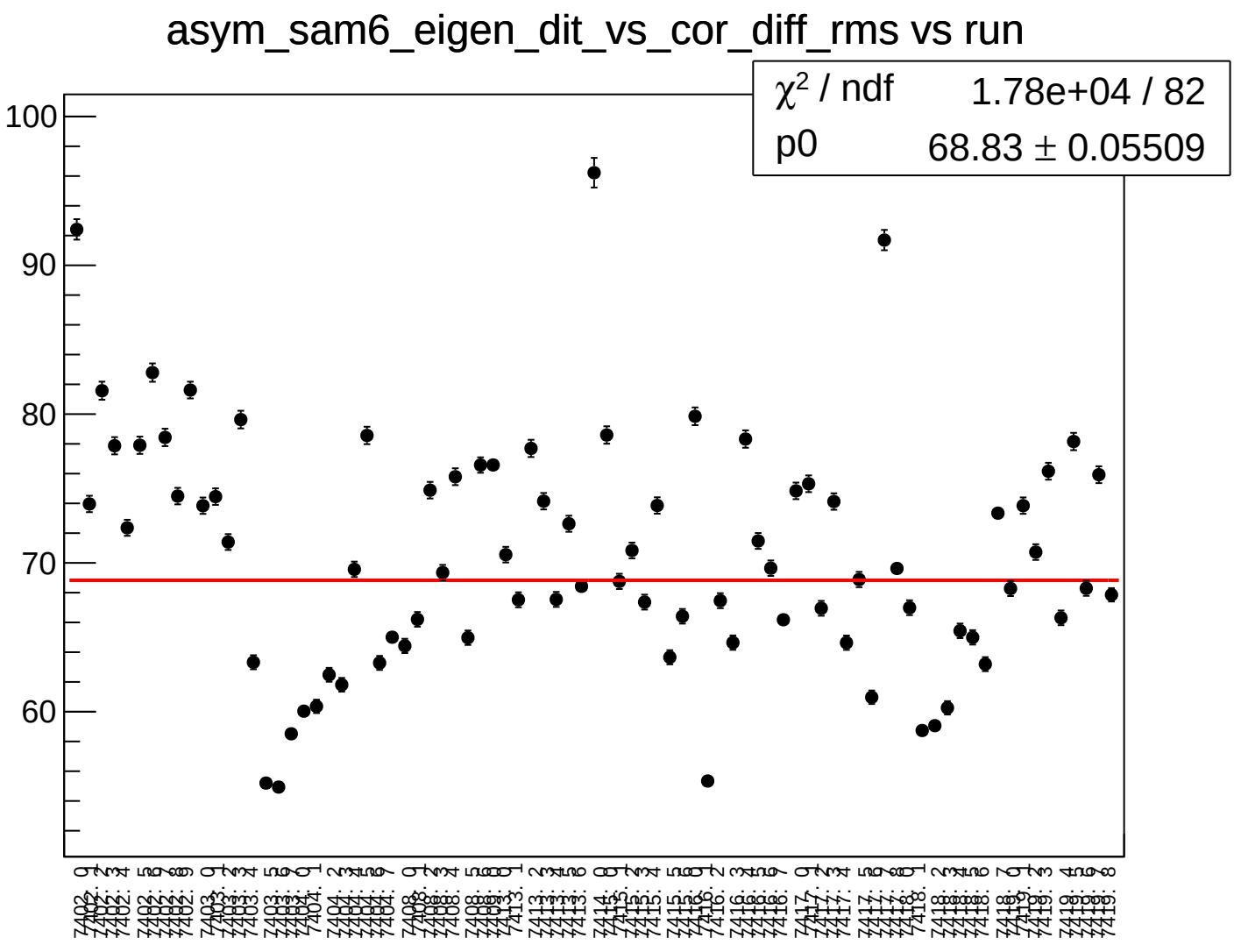

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 82
p0 68.83 ± 0.05509
100
90
80
70
60

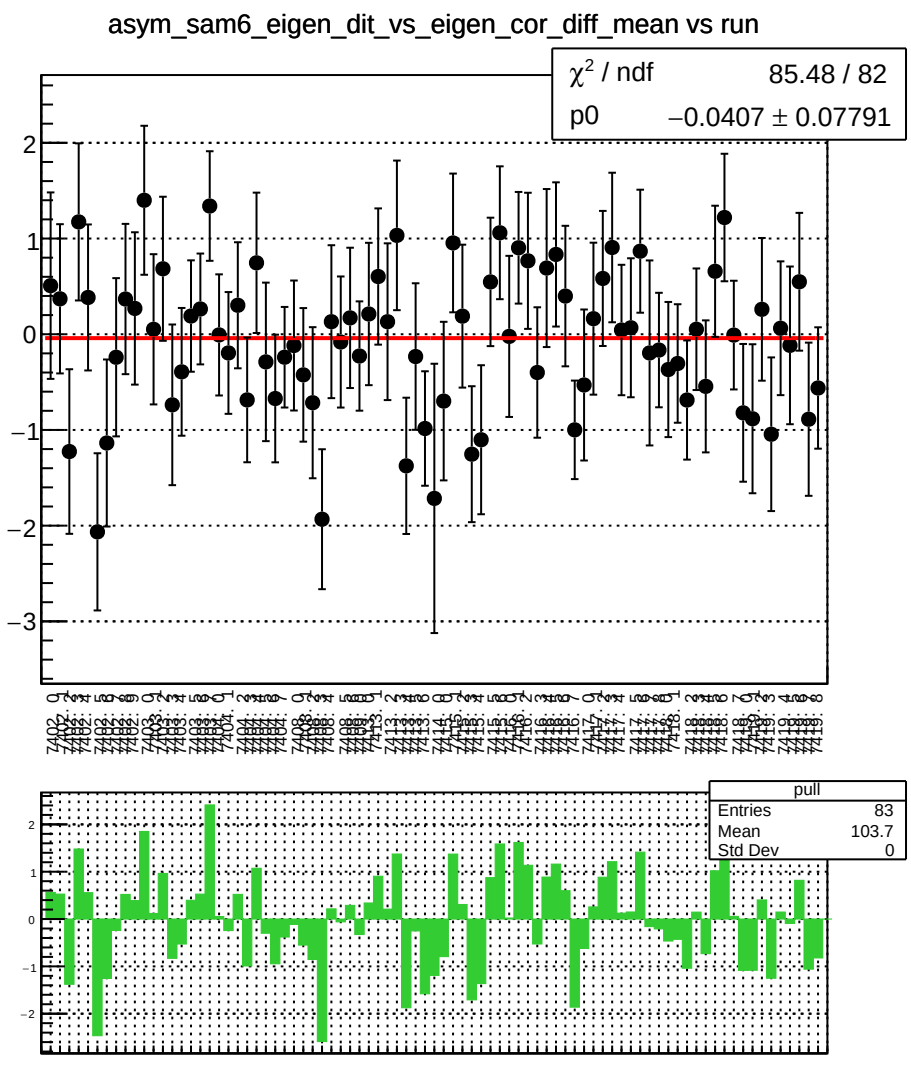

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.27 / 82
p0 3.947e−07 ± 3.811e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean −559.4
Std Dev 0
pull1D
Entries 83
Mean 0.004947
Std Dev 0.946

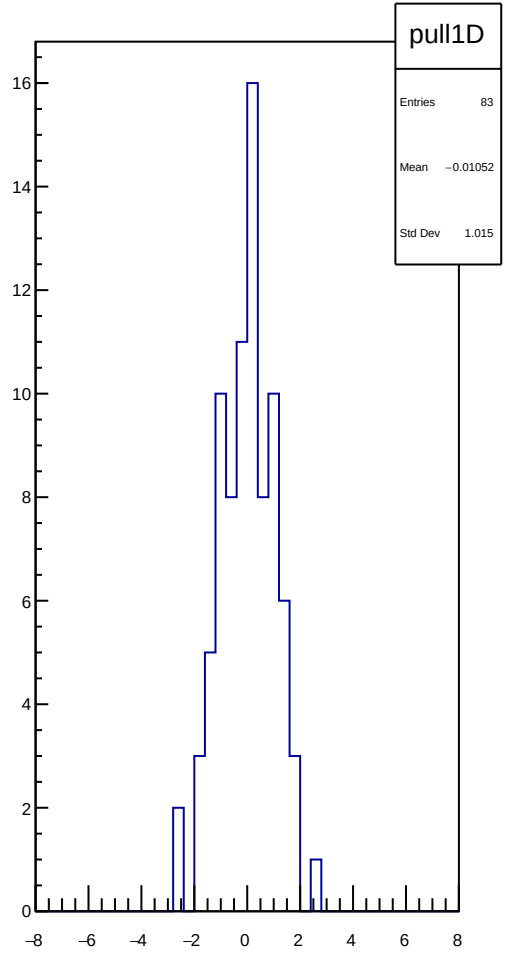

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.863e+04 / 82
p0 0.003355 ± 2.695e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

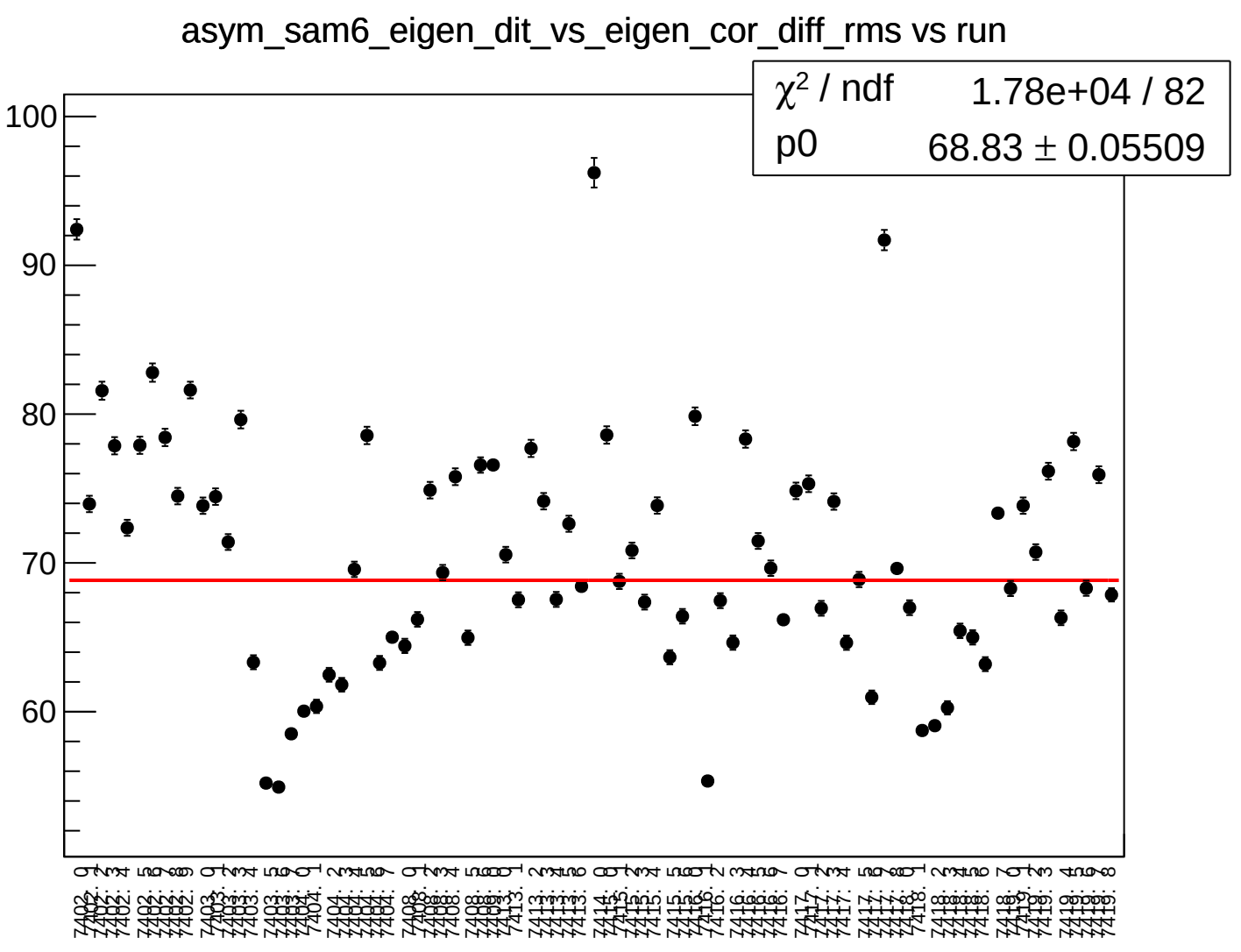

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.48 / 82
p0 −0.0407 ± 0.07791
pull
Entries 83
Mean 103.7
Std Dev 0

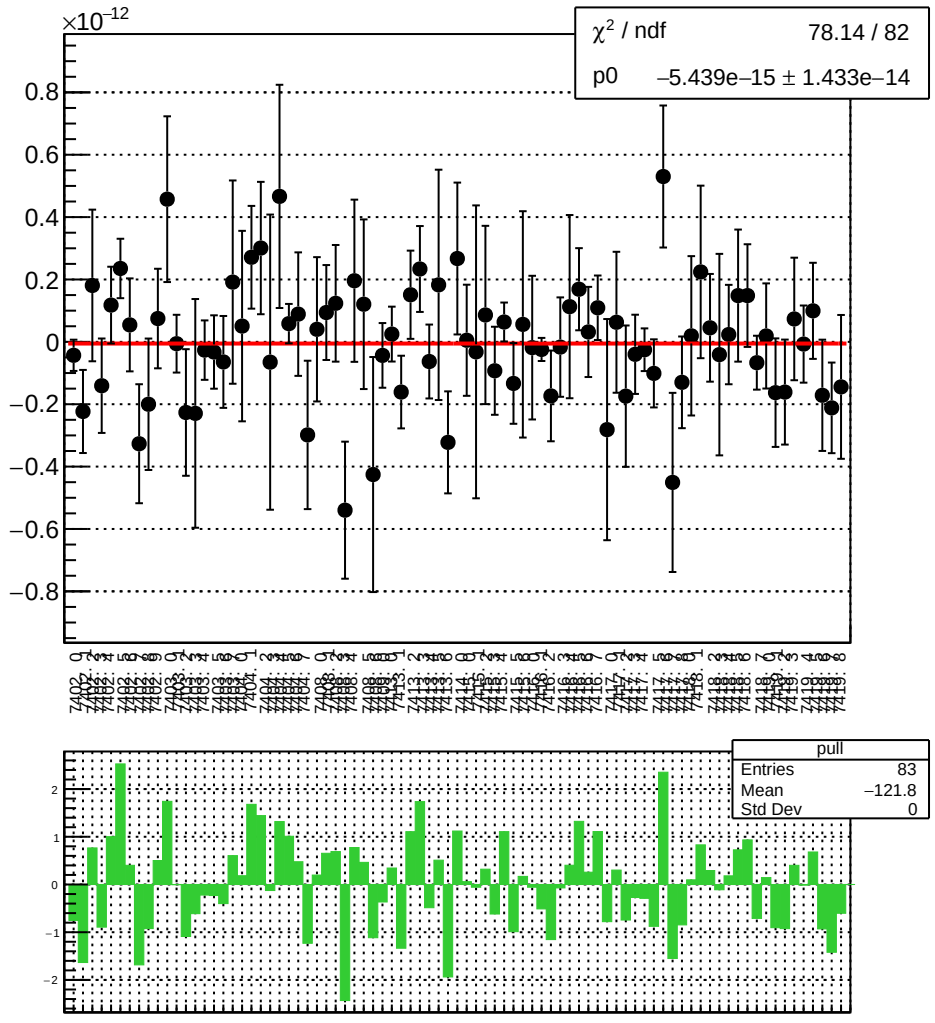

pull1D
Entries 83
Mean −0.01052
Std Dev 1.015

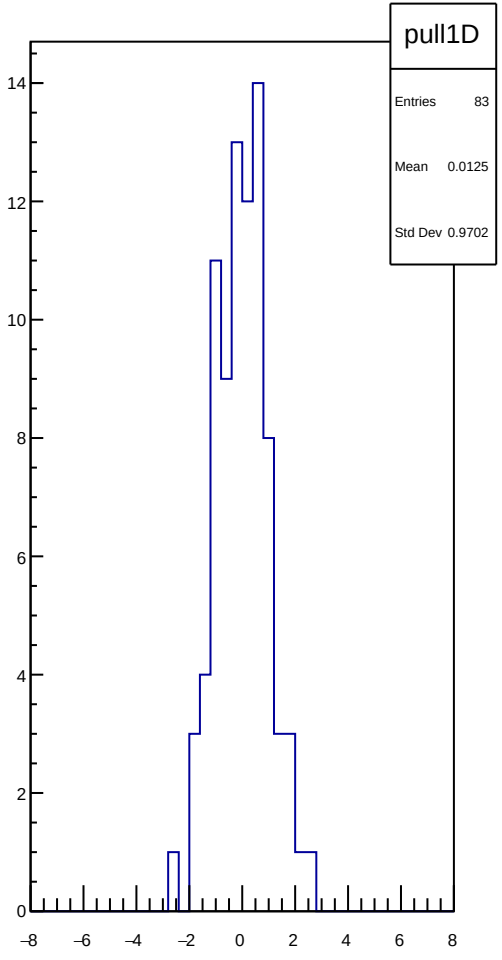

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 82
p0 68.83 ± 0.05509
100
90
80
70
60

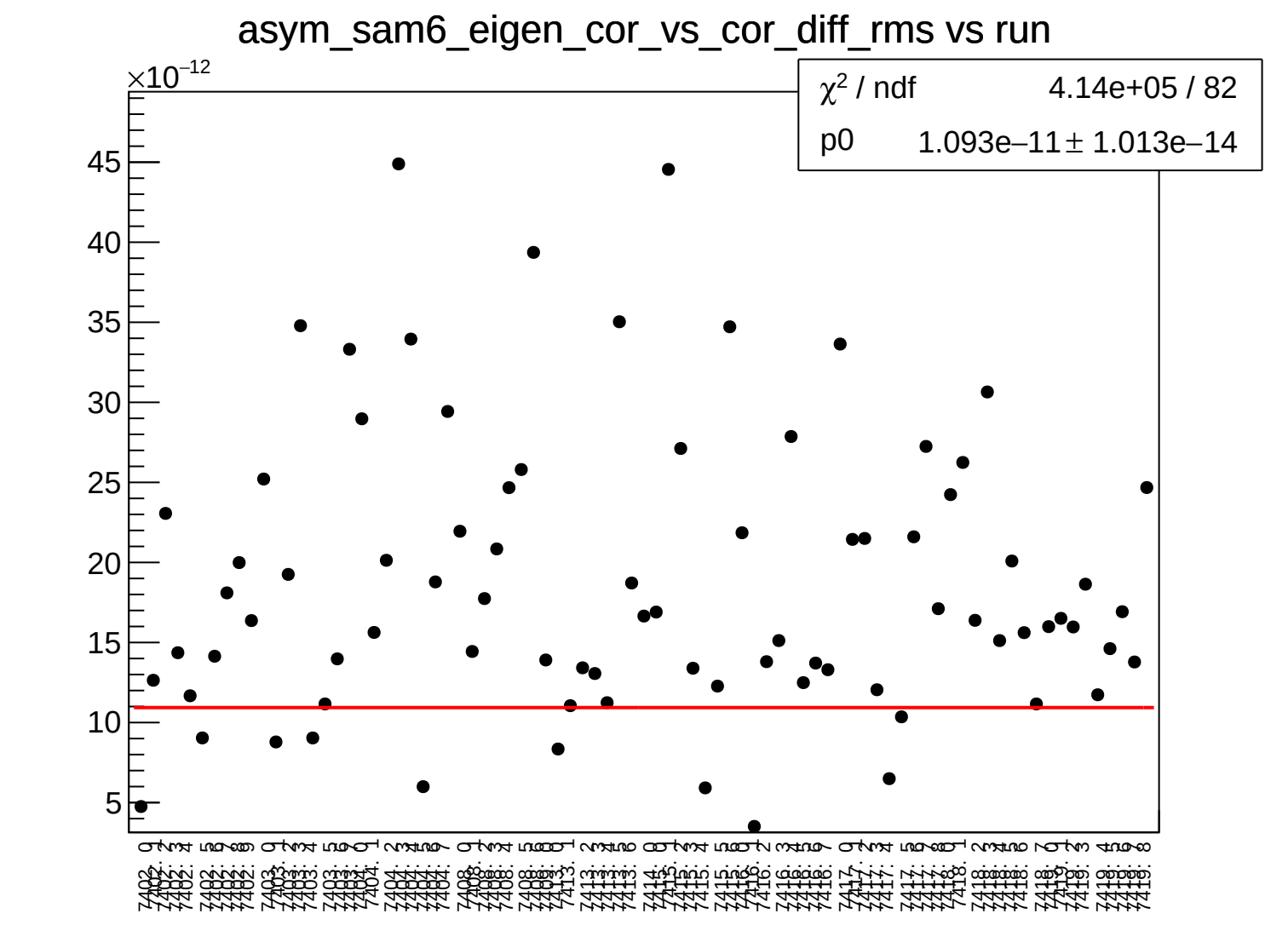

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.48 / 82
p0 −0.0407 ± 0.07791
pull
Entries 83
Mean 103.7
Std Dev 0

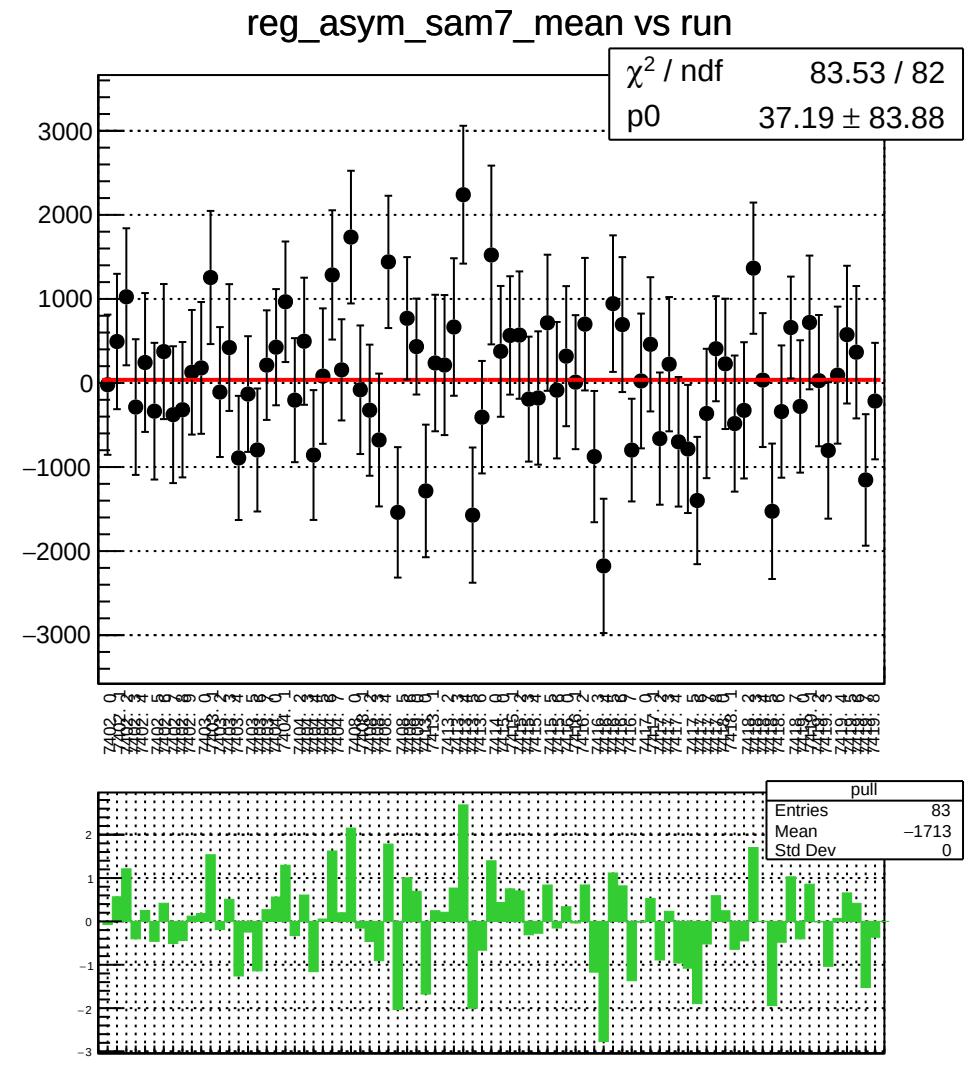

pull1D
Entries 83
Mean −0.01052
Std Dev 1.015

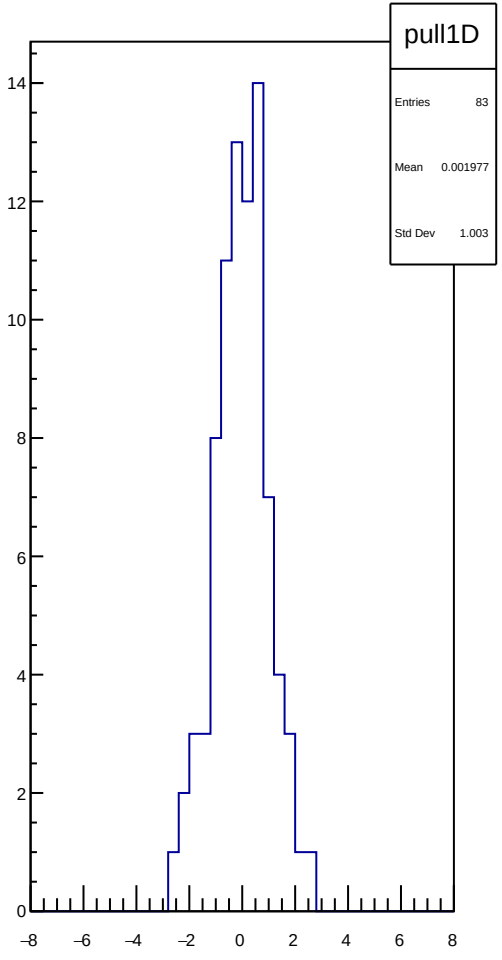

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.78e+04 / 82
p0 68.83 ± 0.05509
100
90
80
70
60

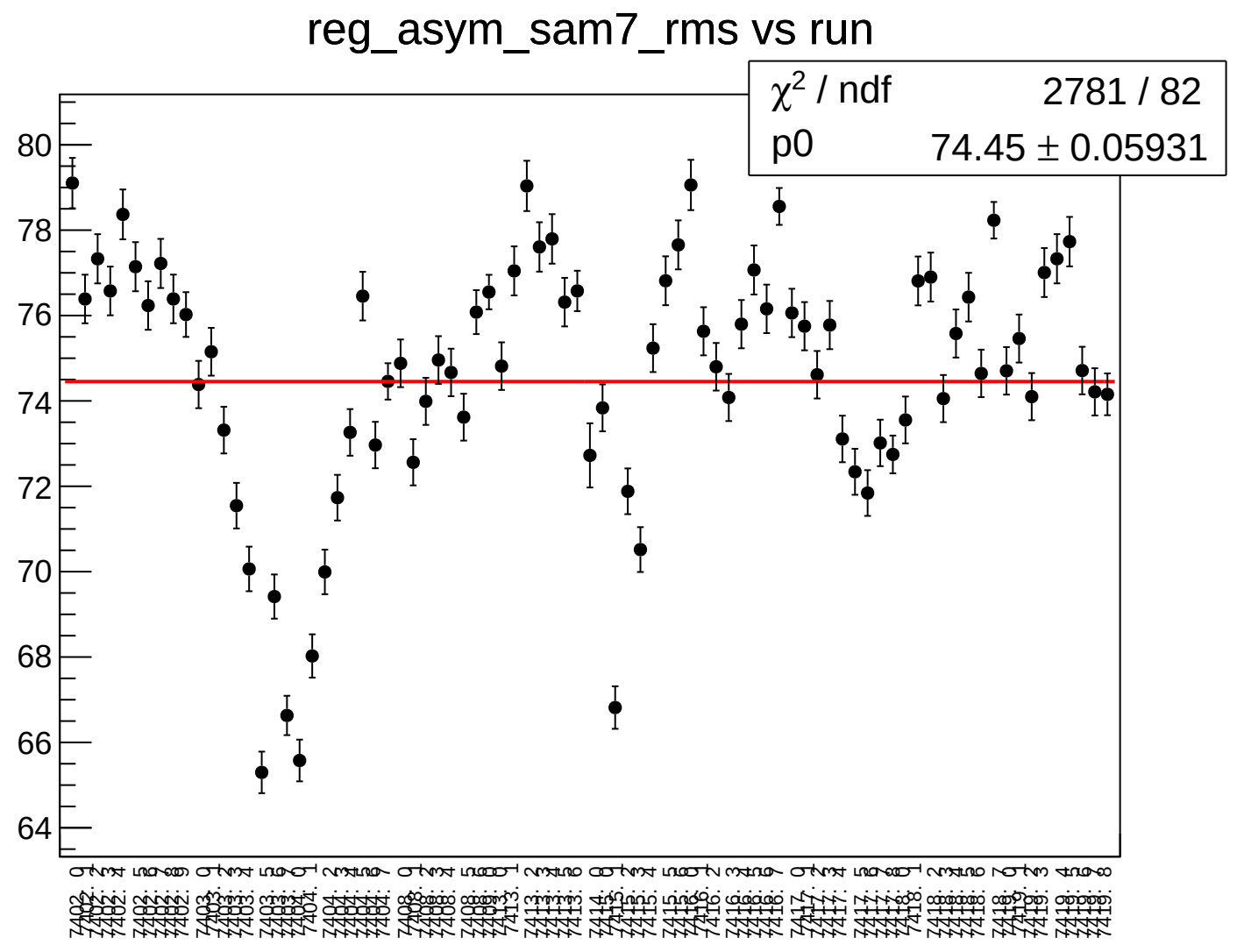

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.14 / 82
p0 −5.439e−15 ± 1.433e−14
pull
Entries 83
Mean −121.8
Std Dev 0

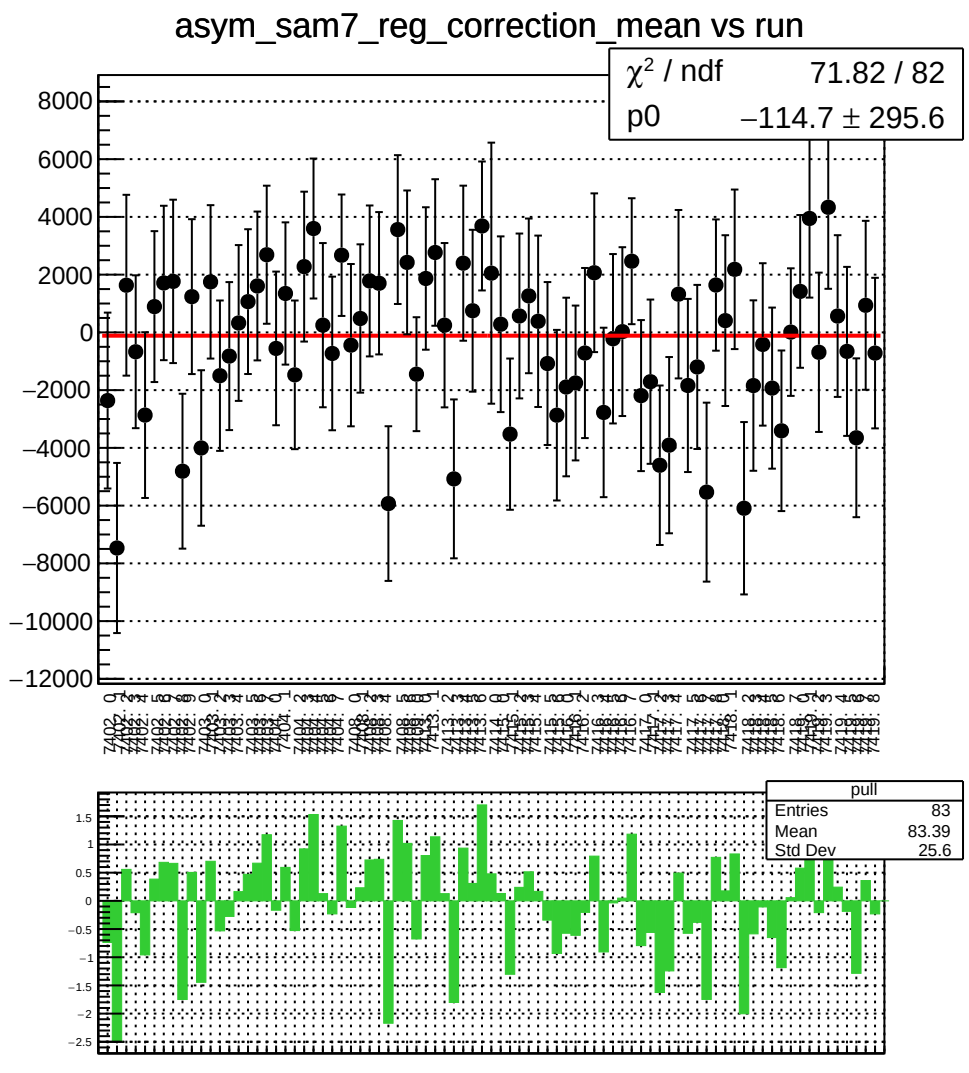

pull1D
Entries 83
Mean 0.0125
Std Dev 0.9702

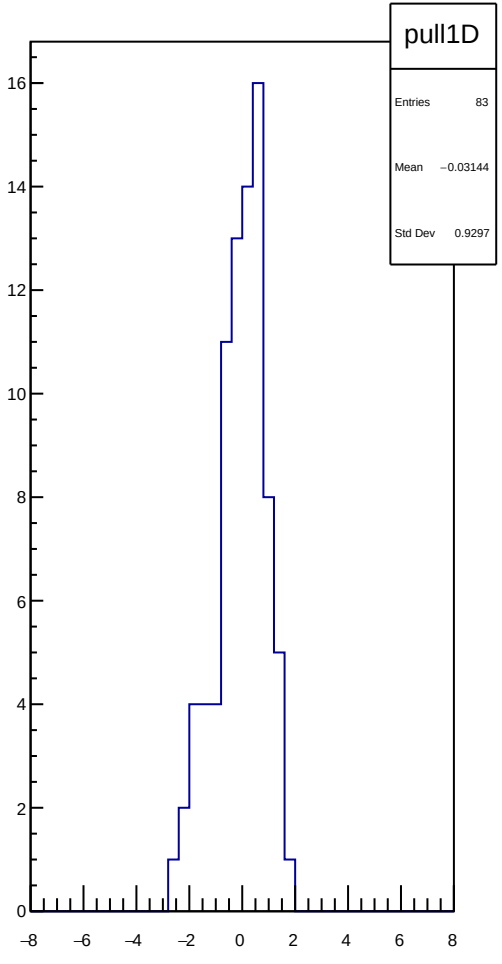

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.14e+05 / 82
p0 1.093e−11 ± 1.013e−14
45
40
35
30
25
20
15
10
5

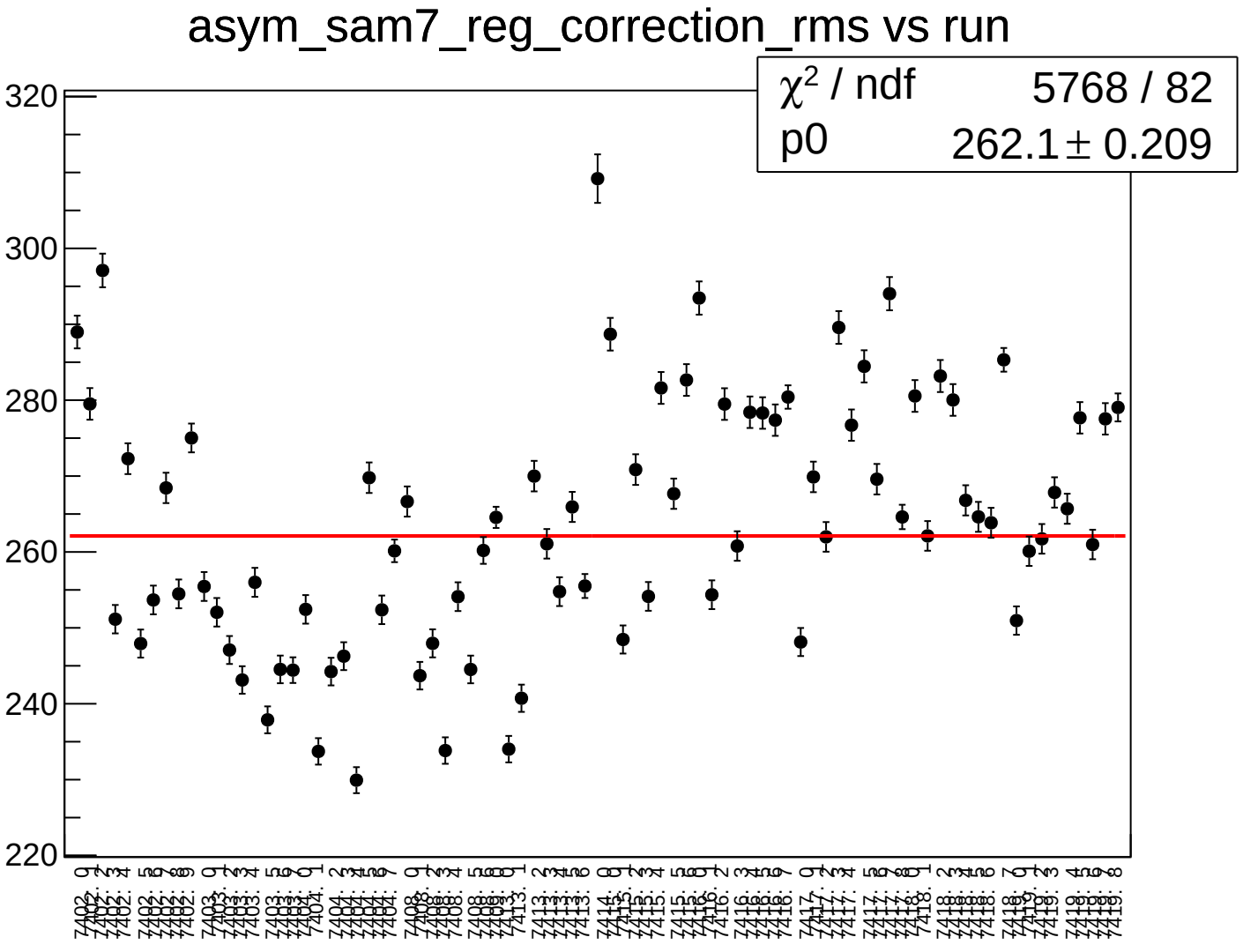

reg_asym_sam7_mean vs run
χ² / ndf 83.53 / 82
p0 37.19 ± 83.88
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean −1713
Std Dev 0
2
1
0
−1
−2
−3

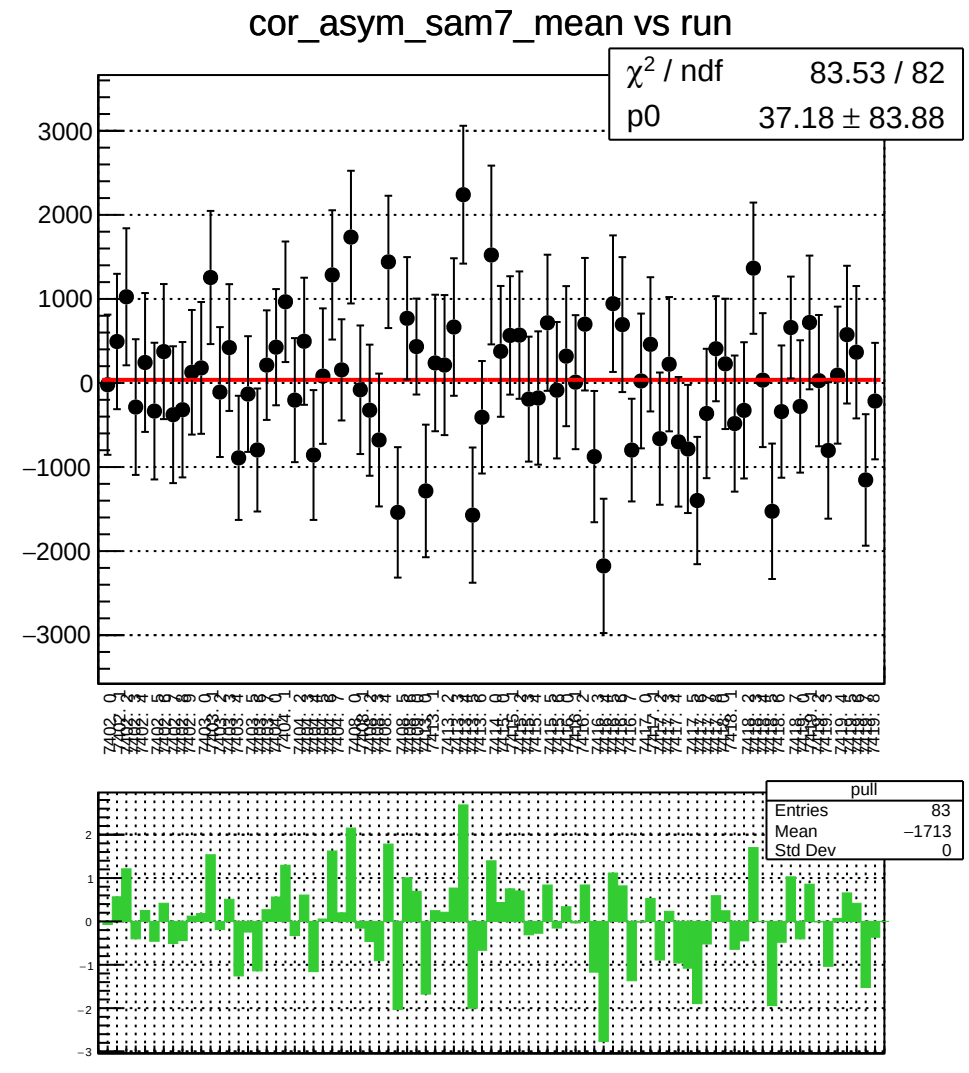

pull1D
Entries 83
Mean 0.001977
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

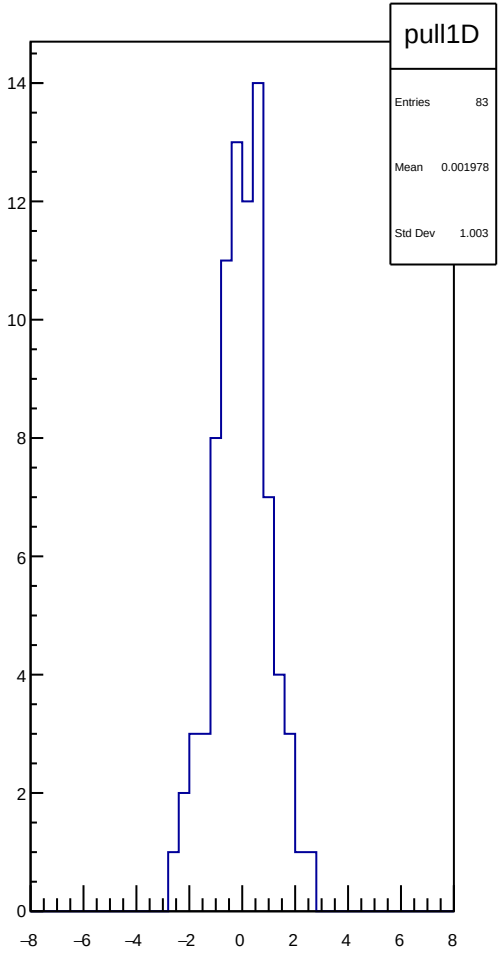

reg_asym_sam7_rms vs run
χ² / ndf 2781 / 82
p0 74.45 ± 0.05931
80
78
76
74
72
70
68
66
64

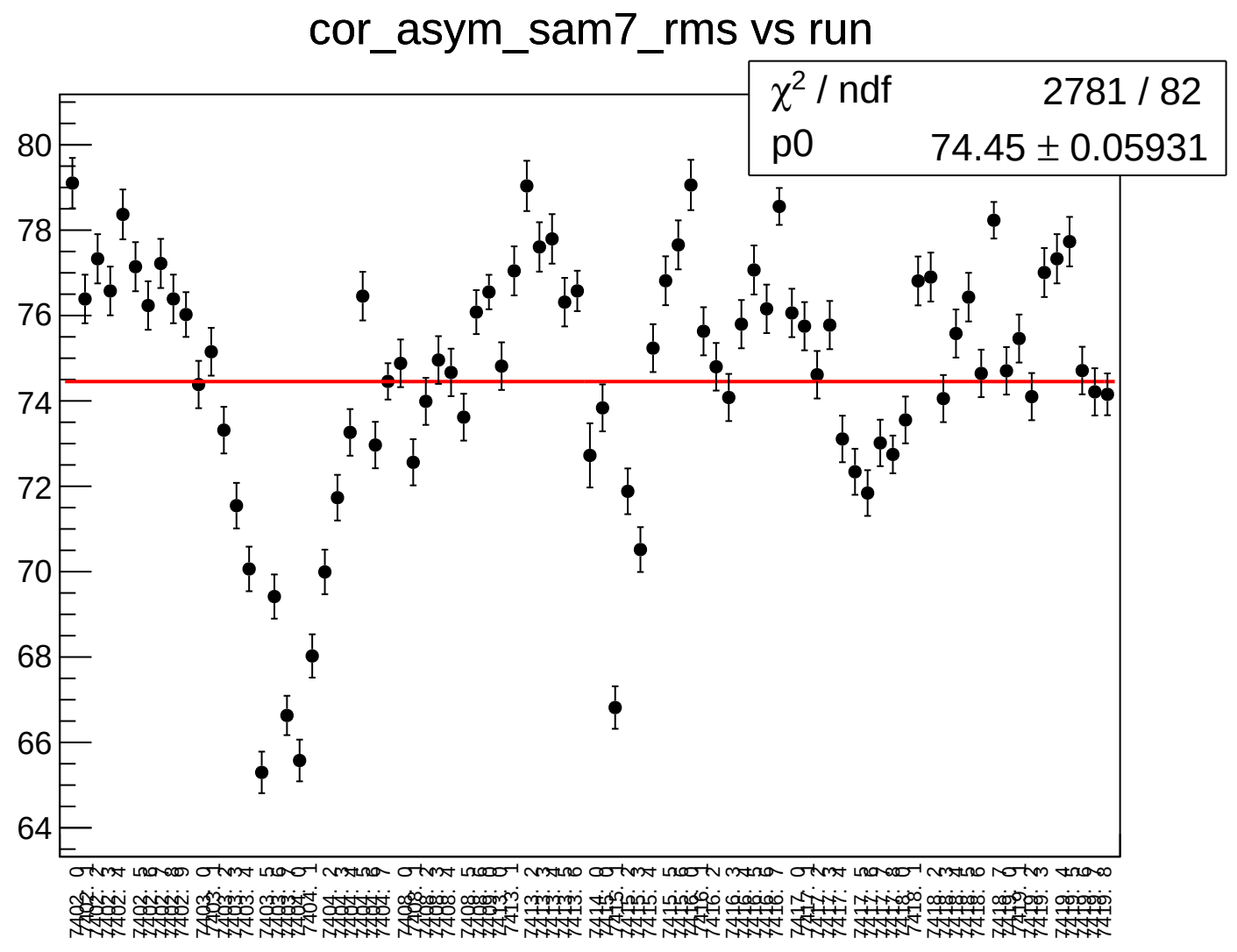

asym_sam7_reg_correction_mean vs run
χ² / ndf 71.82 / 82
p0 −114.7 ± 295.6
pull
Entries 83
Mean 83.39
Std Dev 25.6

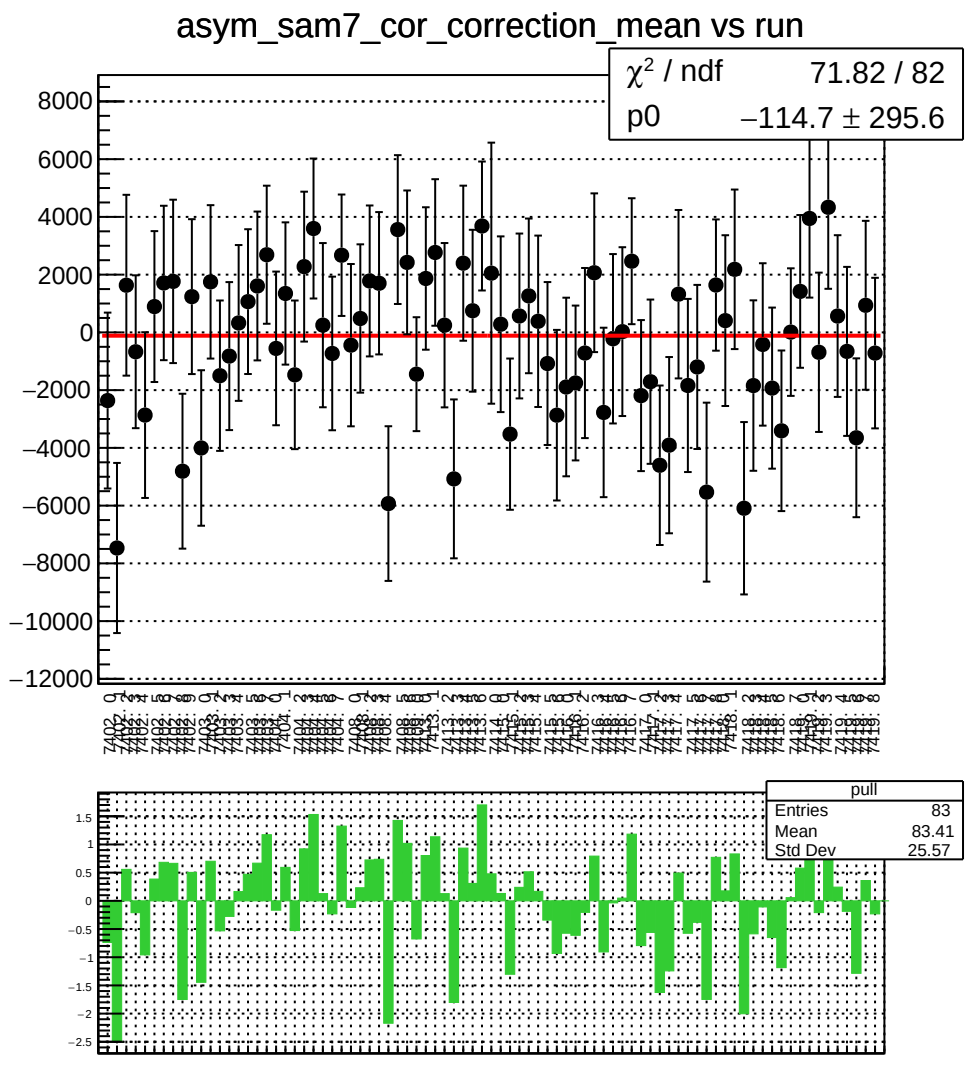

pull1D
Entries 83
Mean −0.03144
Std Dev 0.9297

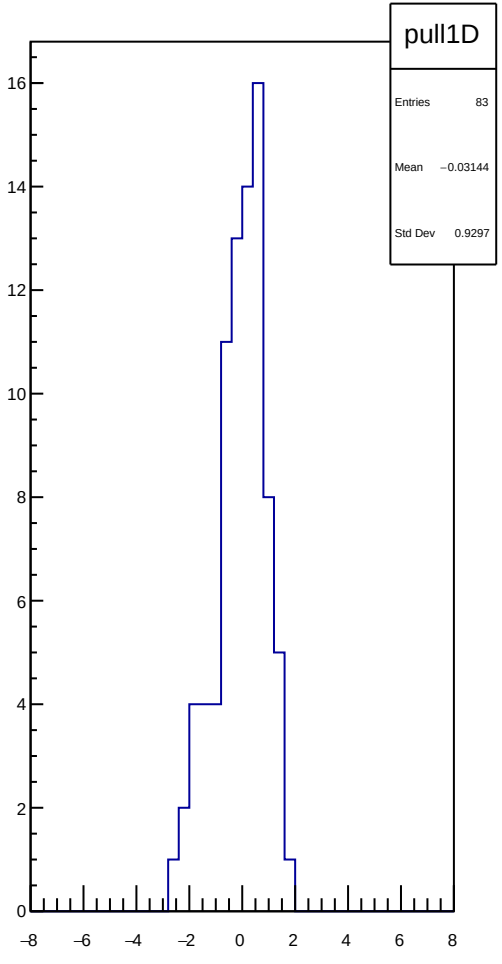

asym_sam7_reg_correction_rms vs run
χ² / ndf 5768 / 82
p0 262.1 ± 0.209
320
300
280
260
240
220

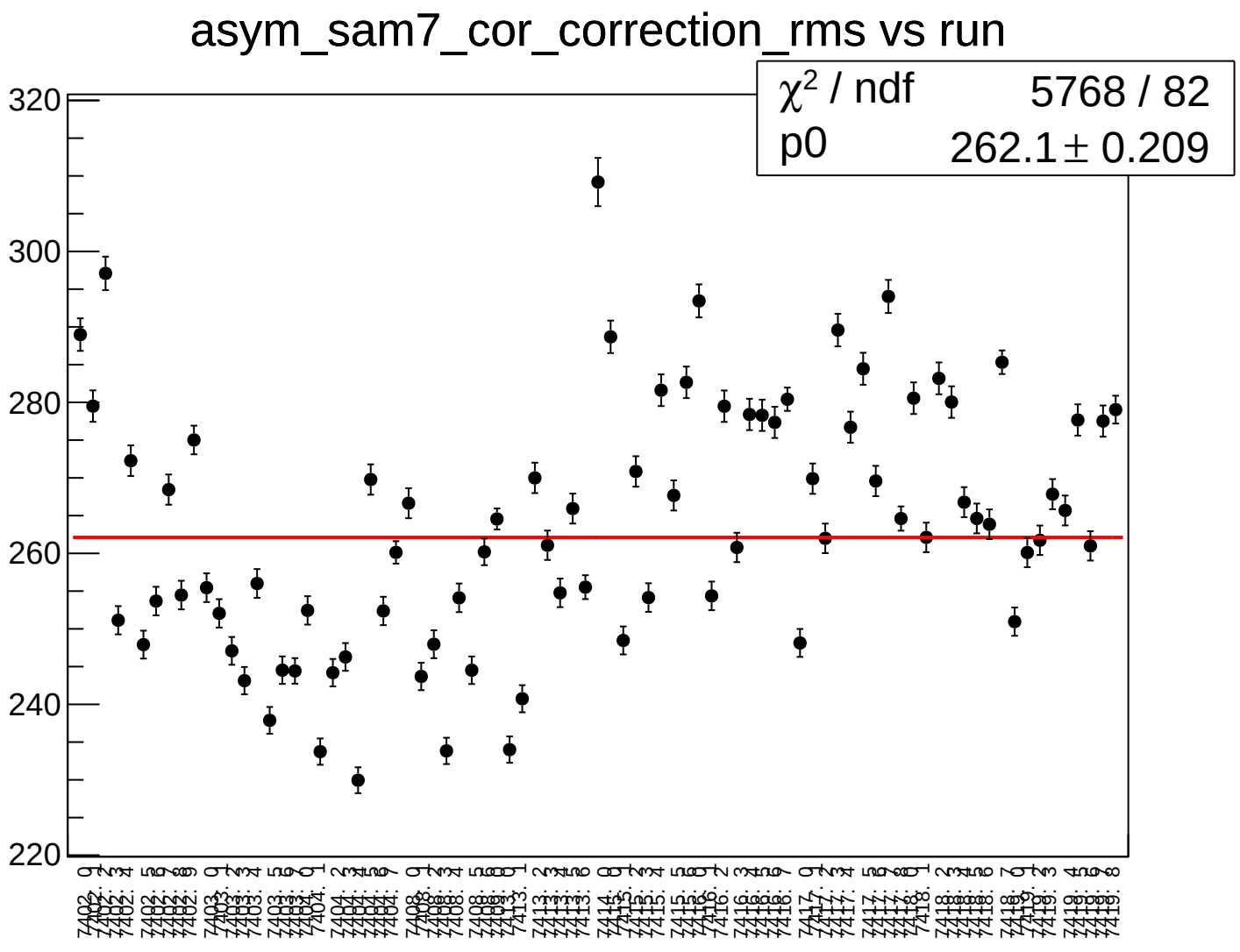

cor_asym_sam7_mean vs run
χ² / ndf 83.53 / 82
p0 37.18 ± 83.88
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean −1713
Std Dev 0
2
1
0
−1
−2
−3

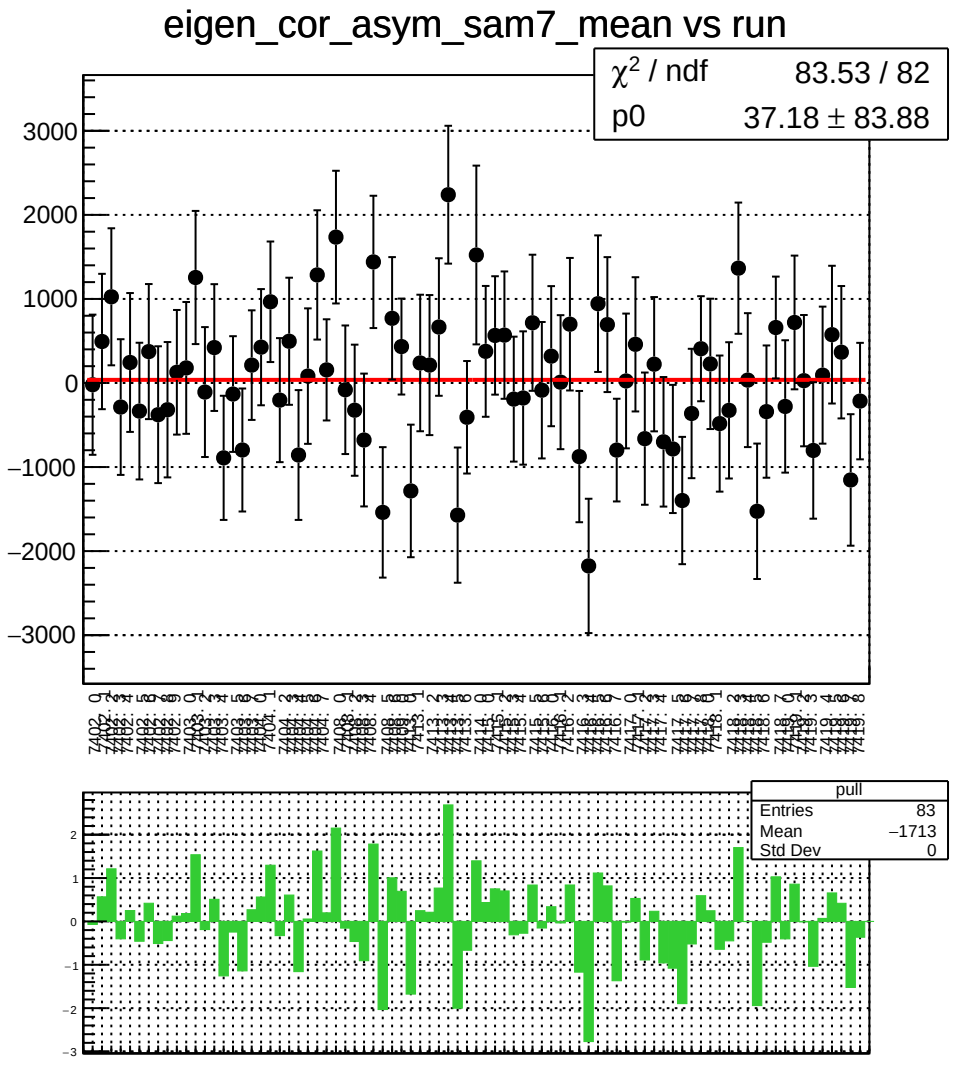

pull1D
Entries 83
Mean 0.001978
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

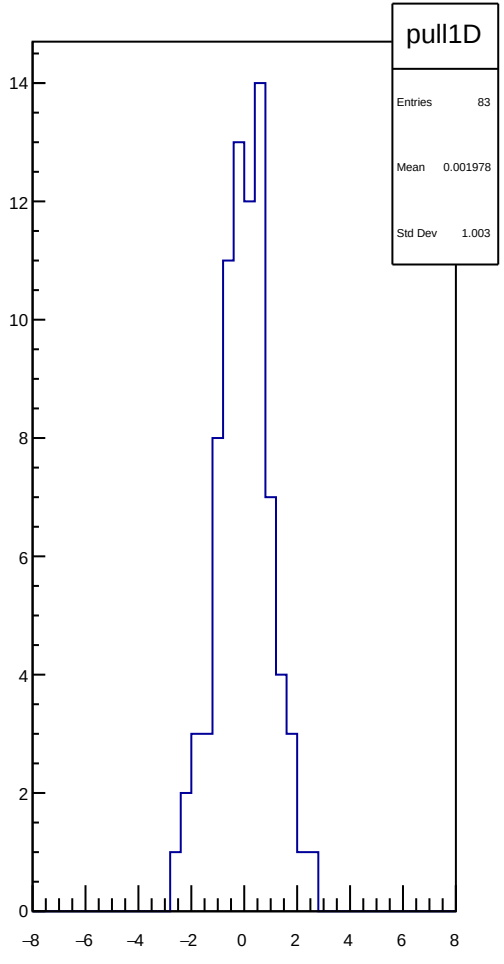

cor_asym_sam7_rms vs run
χ² / ndf 2781 / 82
p0 74.45 ± 0.05931
80
78
76
74
72
70
68
66
64

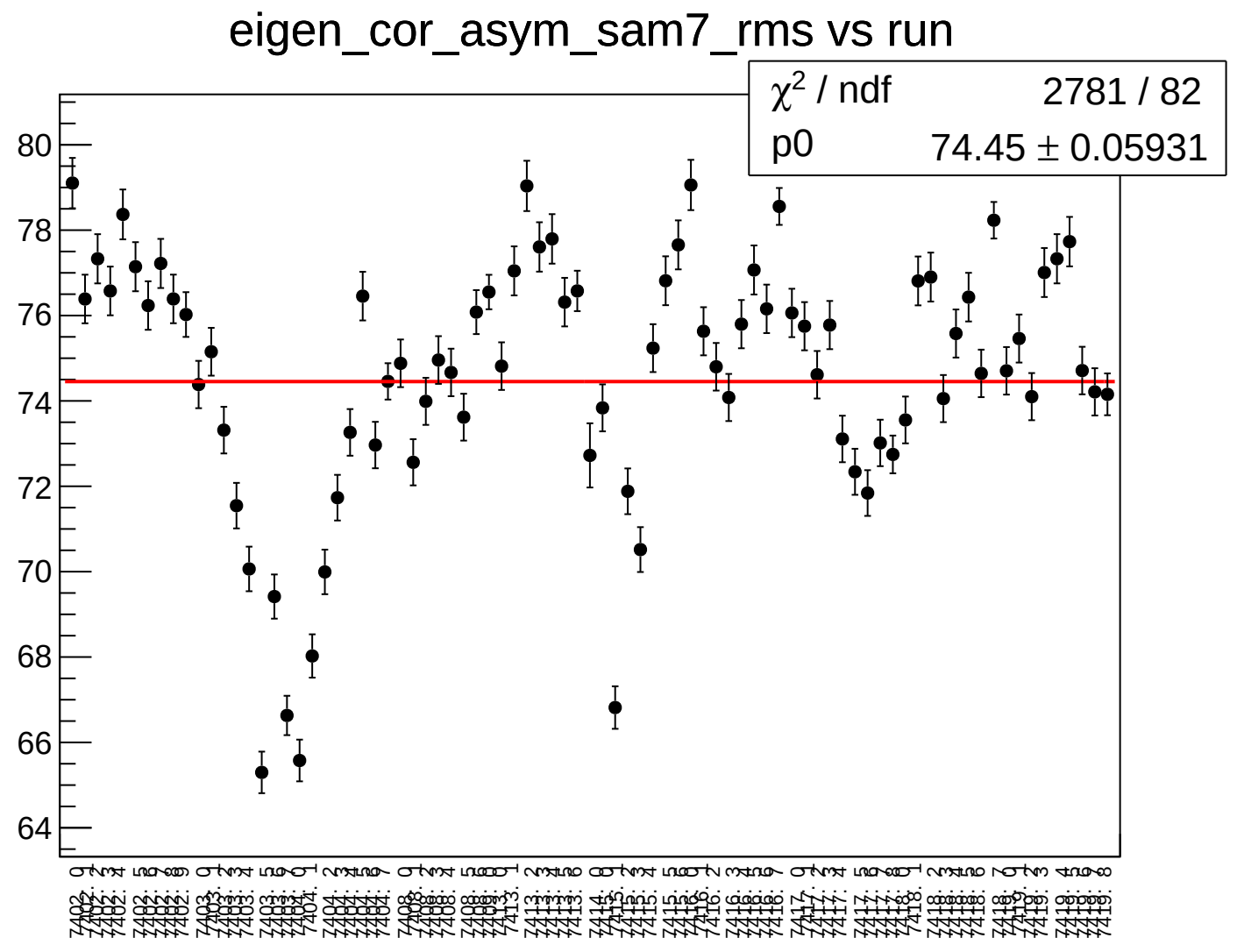

asym_sam7_cor_correction_mean vs run
χ² / ndf 71.82 / 82
p0 −114.7 ± 295.6
pull
Entries 83
Mean 83.41
Std Dev 25.57

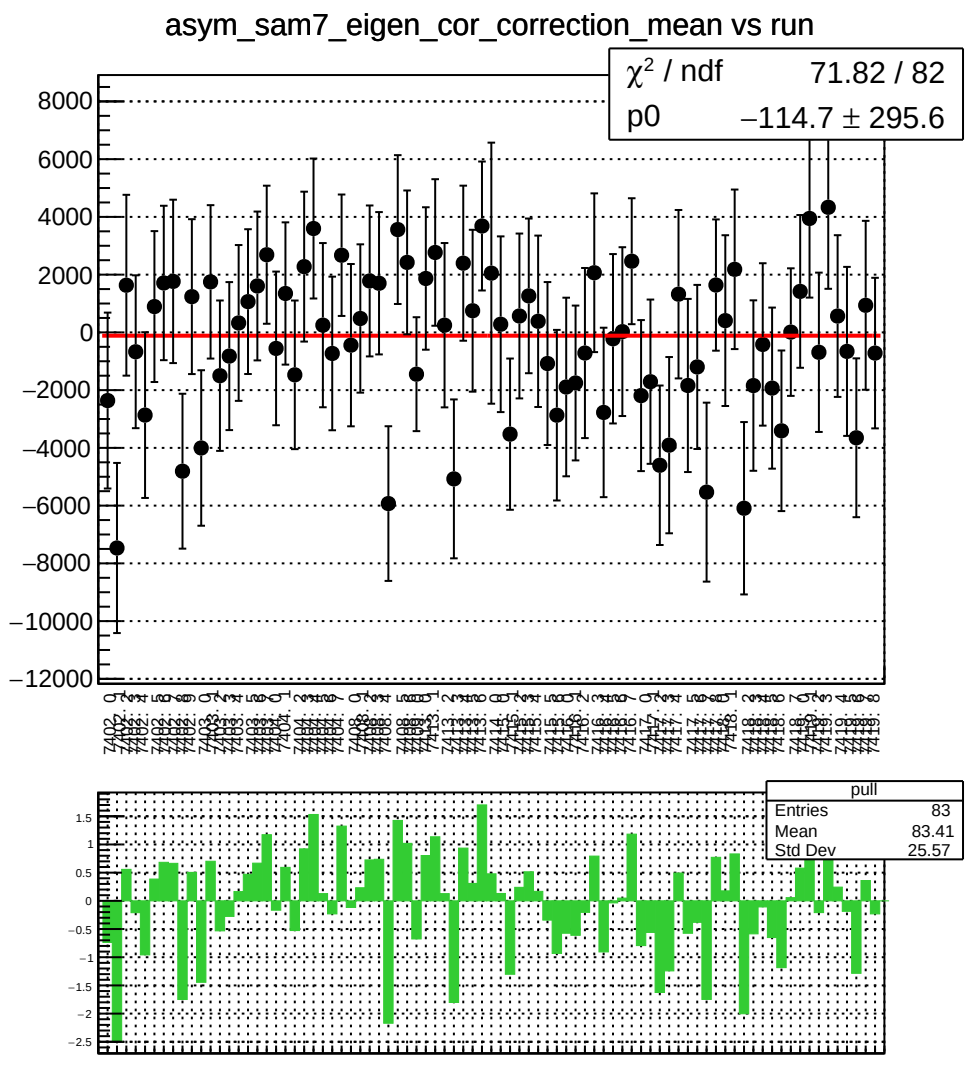

pull1D
Entries 83
Mean −0.03144
Std Dev 0.9297

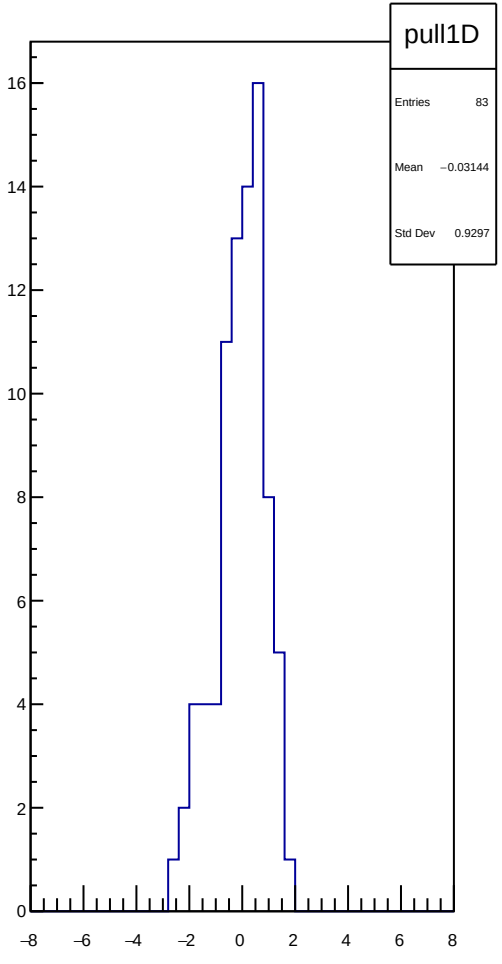

asym_sam7_cor_correction_rms vs run
χ² / ndf 5768 / 82
p0 262.1 ± 0.209
320
300
280
260
240
220

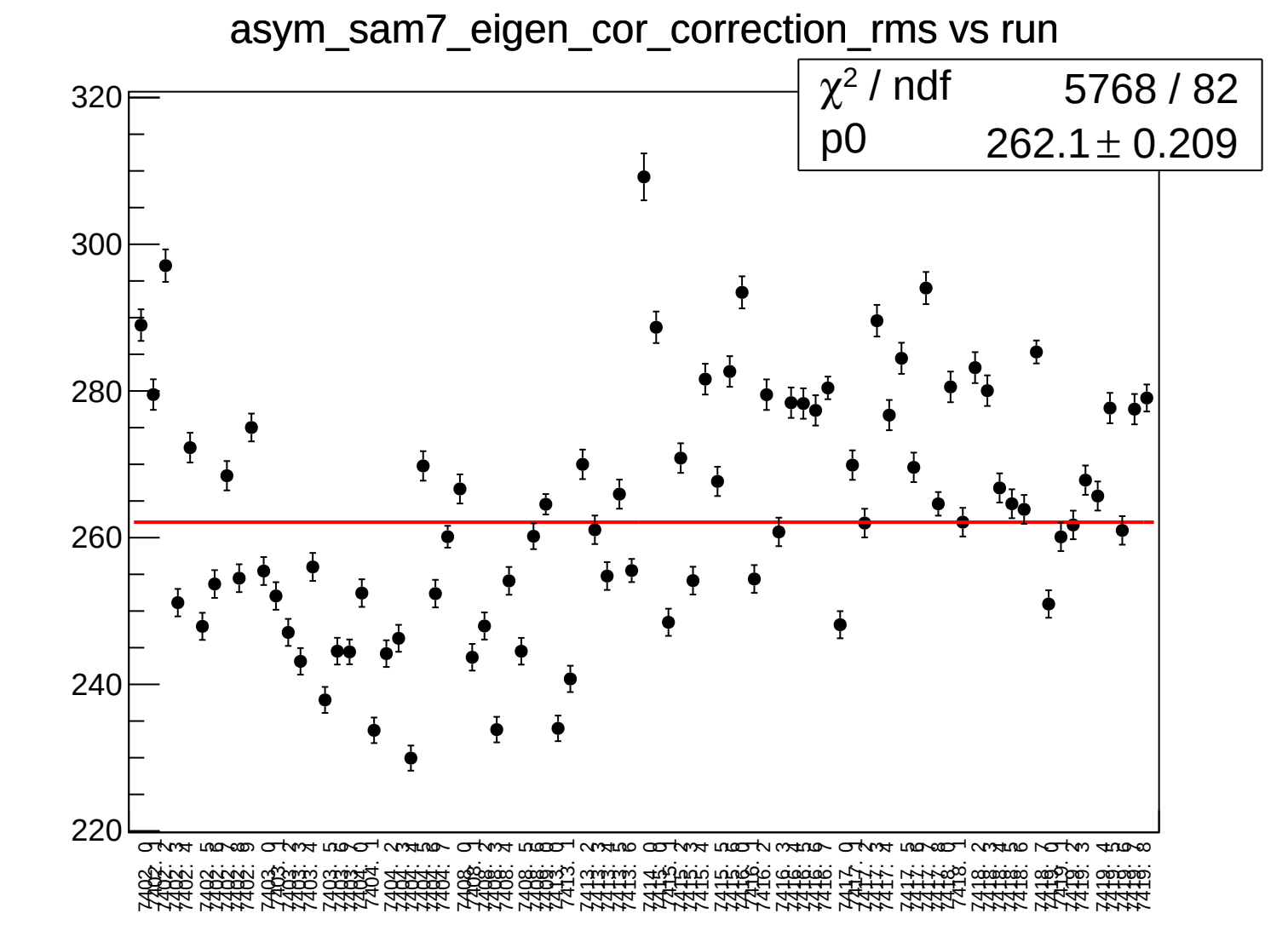

eigen_cor_asym_sam7_mean vs run
χ² / ndf 83.53 / 82
p0 37.18 ± 83.88
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean −1713
Std Dev 0
2
1
0
−1
−2
−3

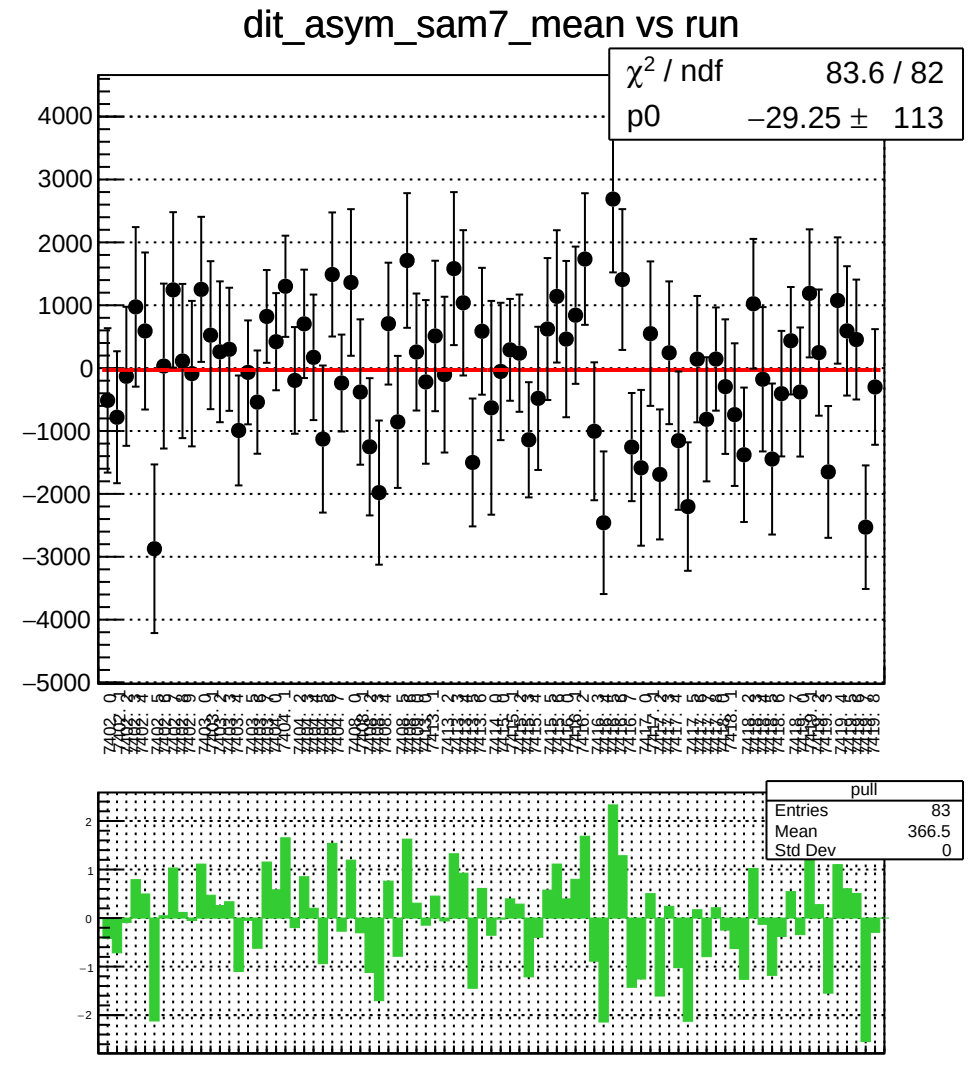

pull1D
Entries 83
Mean 0.001978
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

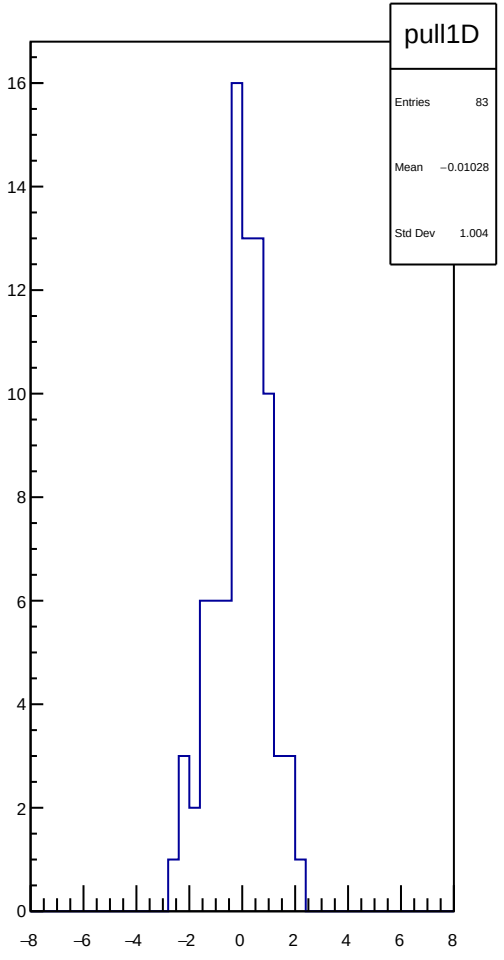

eigen_cor_asym_sam7_rms vs run
χ² / ndf 2781 / 82
p0 74.45 ± 0.05931
80
78
76
74
72
70
68
66
64

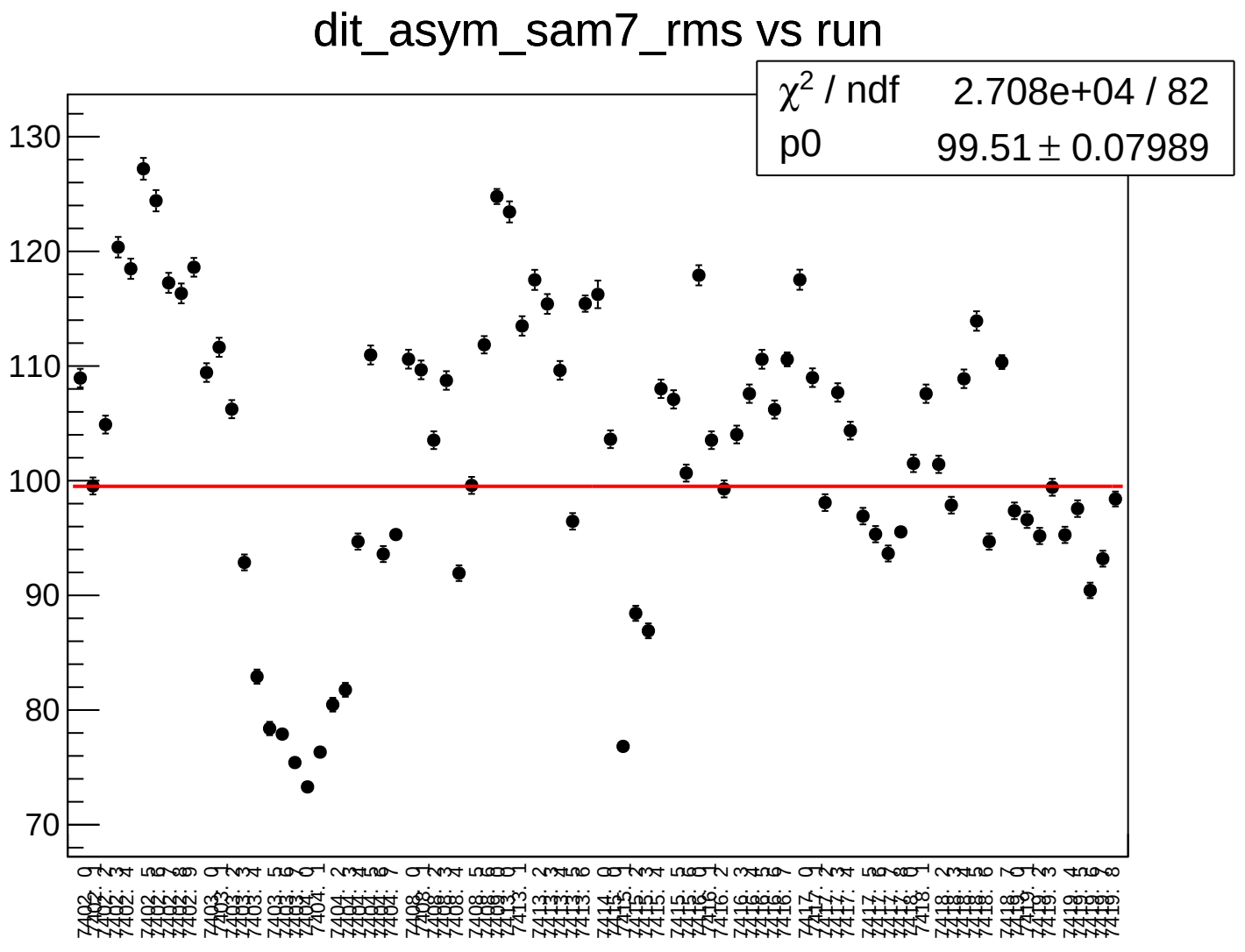

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 71.82 / 82
p0 −114.7 ± 295.6
pull
Entries 83
Mean 83.41
Std Dev 25.57

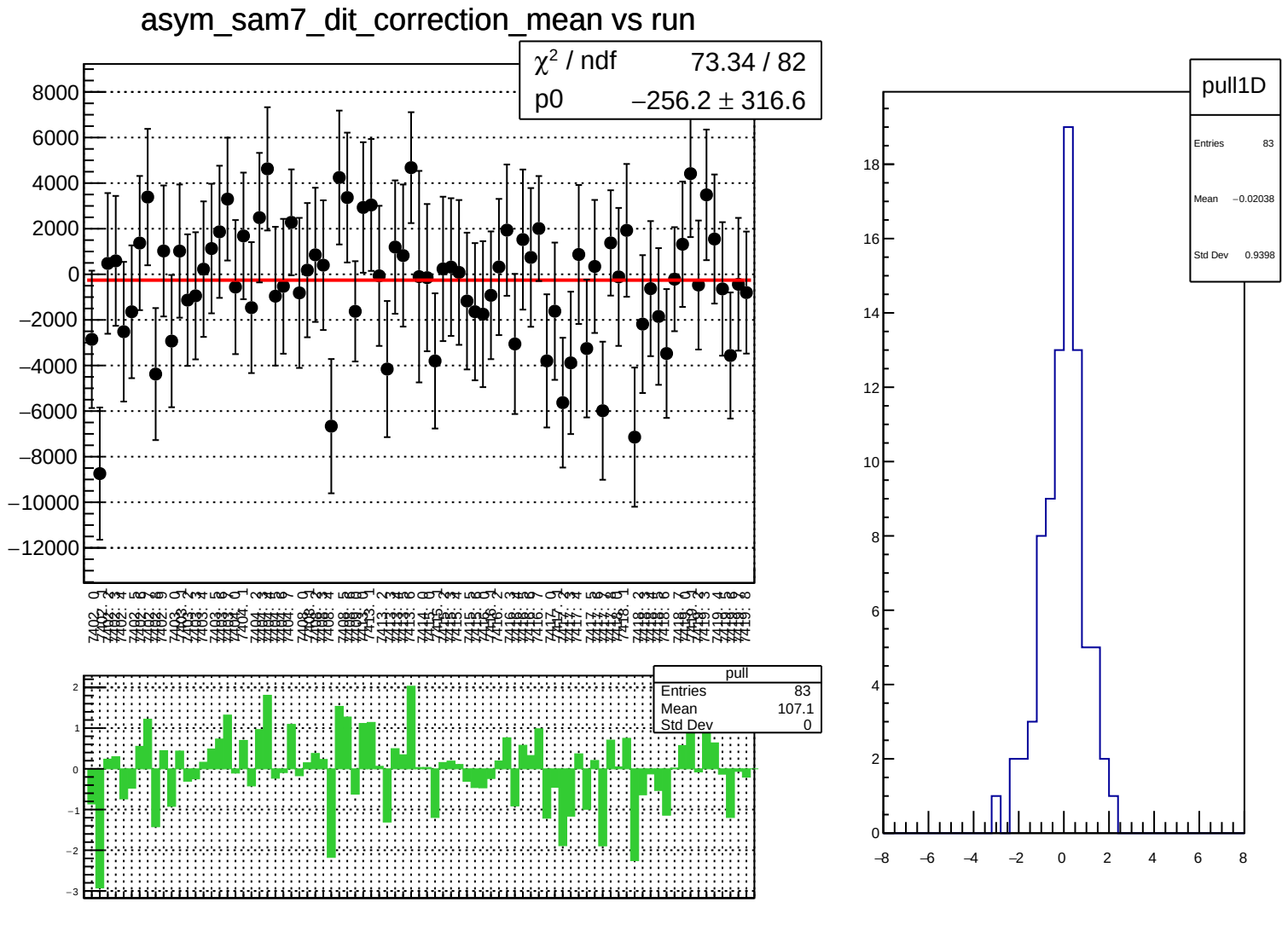

pull1D
Entries 83
Mean −0.03144
Std Dev 0.9297

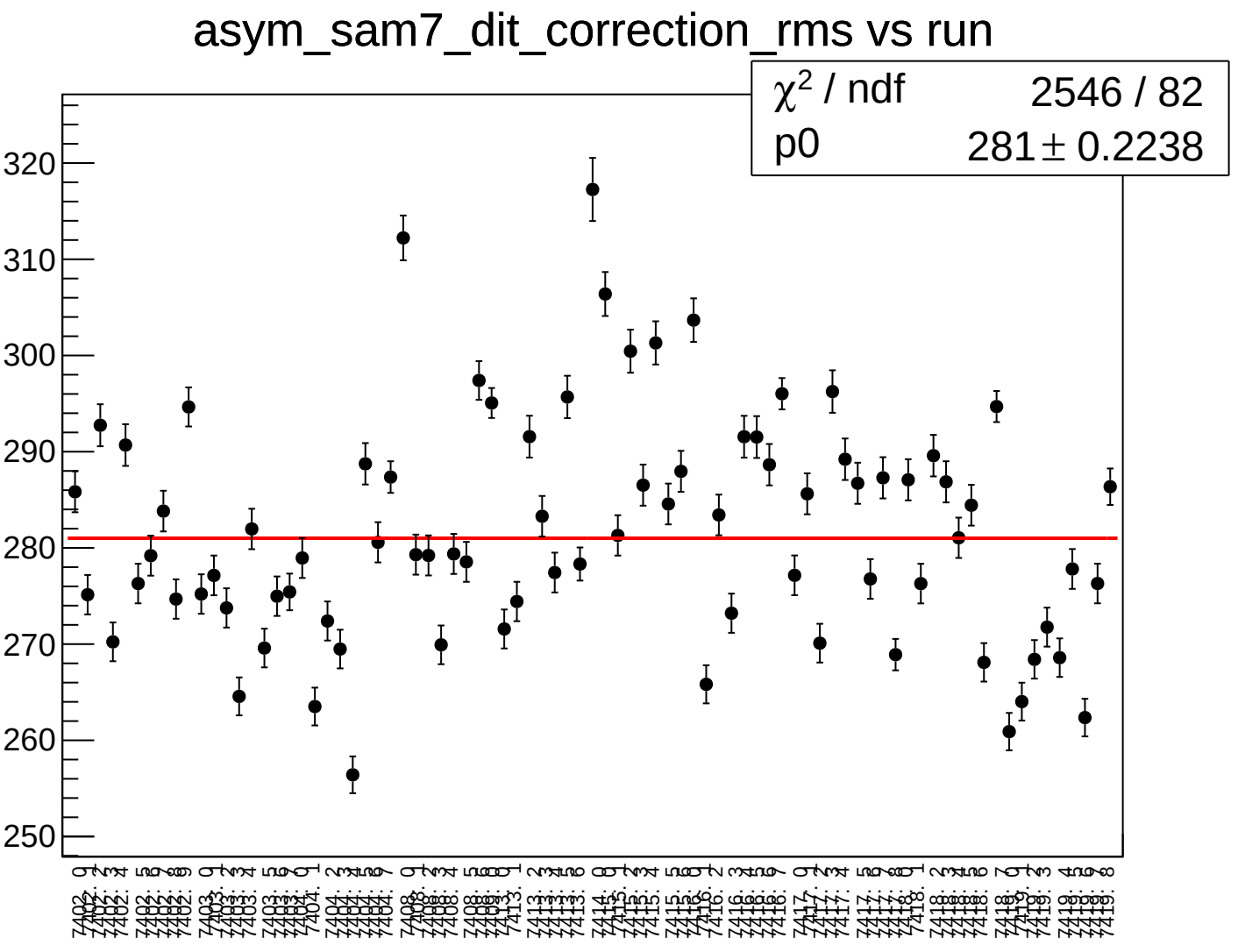

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 5768 / 82
p0 262.1 ± 0.209
320
300
280
260
240
220

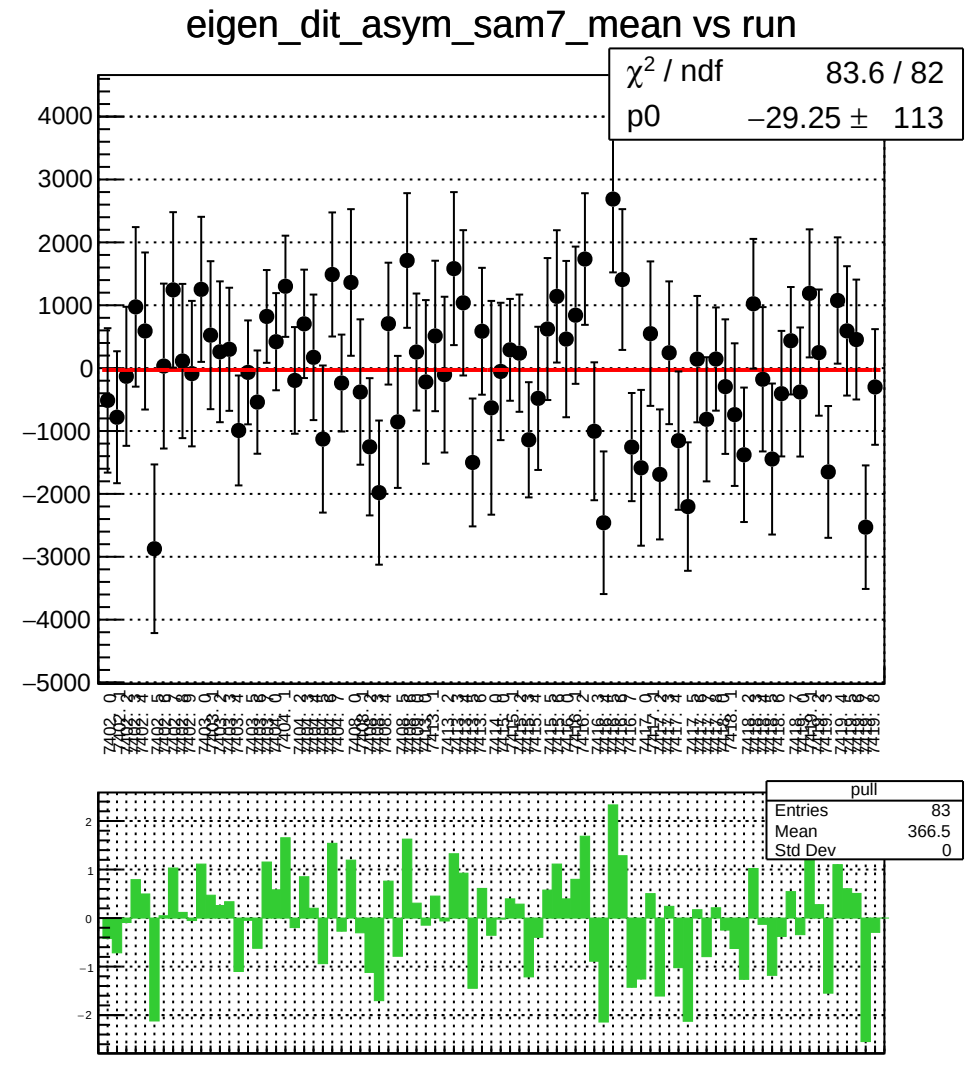

dit_asym_sam7_mean vs run
χ^2 / ndf 83.6 / 82
p0 −29.25 ± 113
pull
Entries 83
Mean 366.5
Std Dev 0

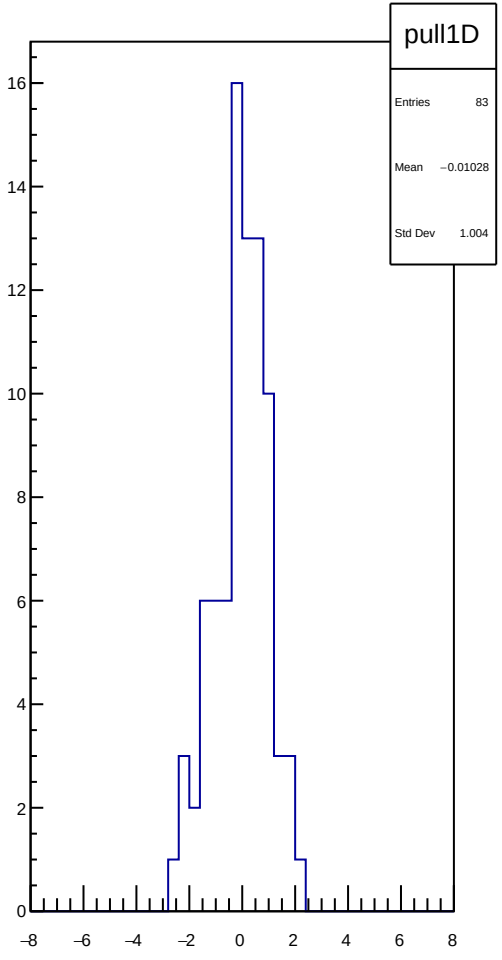

pull1D
Entries 83
Mean −0.01028
Std Dev 1.004

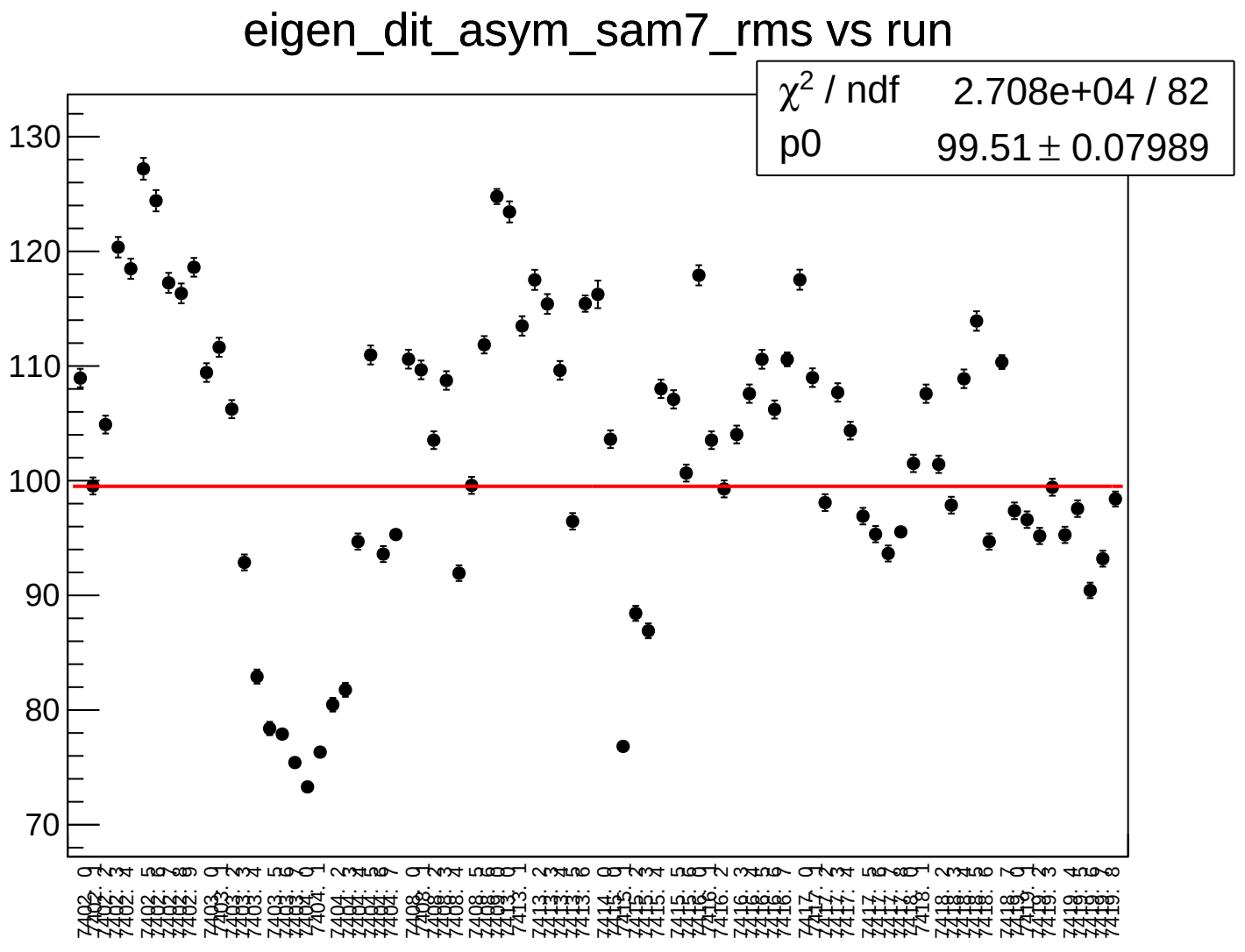

dit_asym_sam7_rms vs run
χ^2 / ndf 2.708e+04 / 82
p0 99.51 ± 0.07989
130
120
110
100
90
80
70

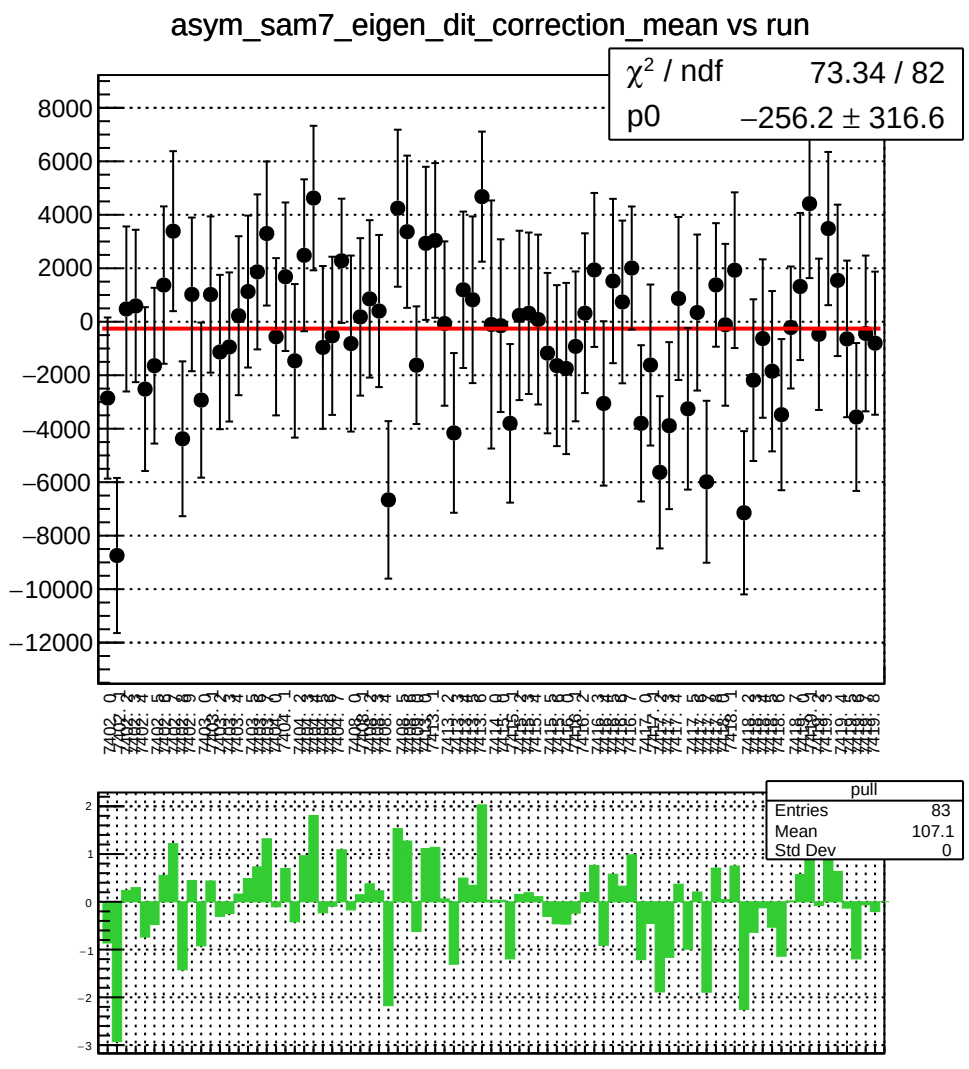

asym_sam7_dit_correction_mean vs run
χ² / ndf 73.34 / 82
p0 −256.2 ± 316.6
pull
Entries 83
Mean 107.1
Std Dev 0
pull1D
Entries 83
Mean −0.02038
Std Dev 0.9398

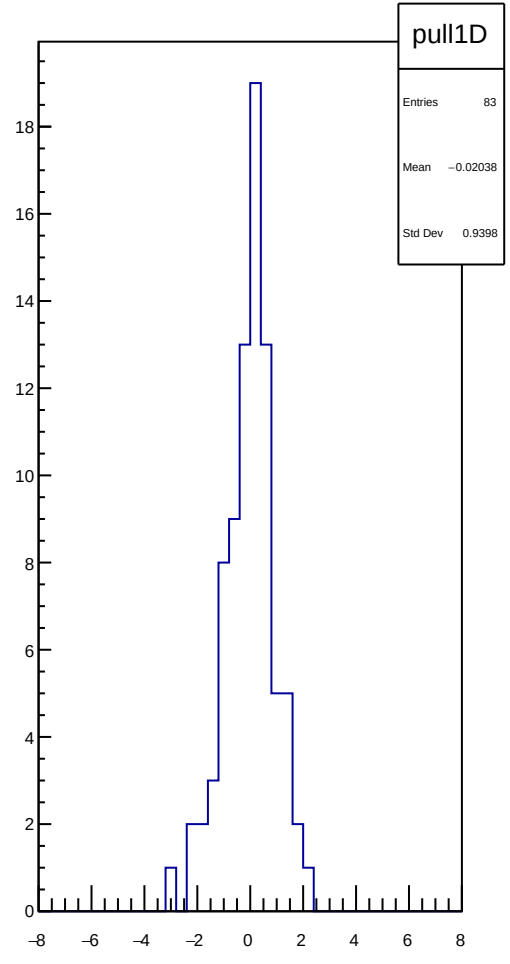

asym_sam7_dit_correction_rms vs run
χ² / ndf 2546 / 82
p0 281 ± 0.2238
320
310
300
290
280
270
260
250

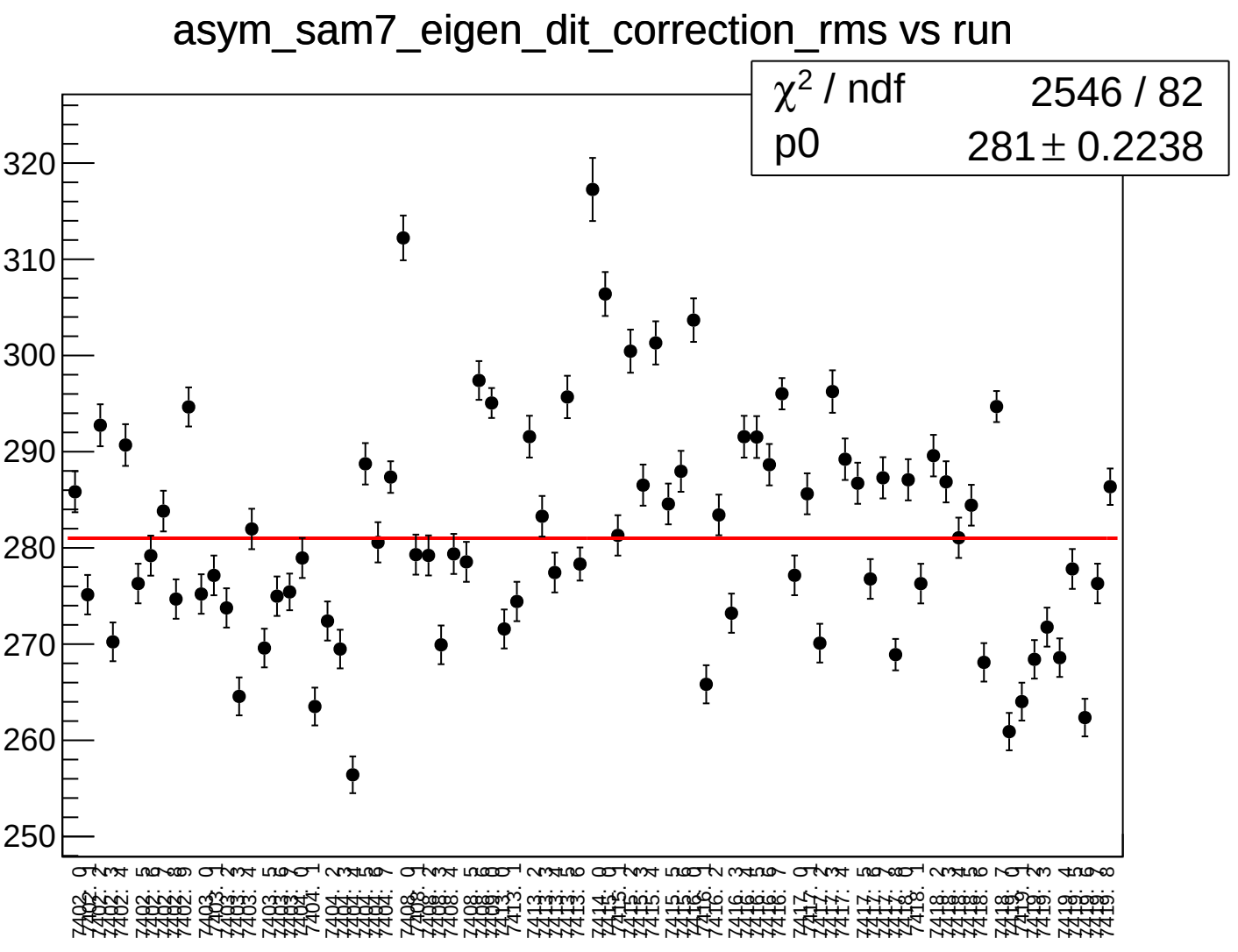

eigen_dit_asym_sam7_mean vs run
χ² / ndf 83.6 / 82
p0 −29.25 ± 113
pull
Entries 83
Mean 366.5
Std Dev 0

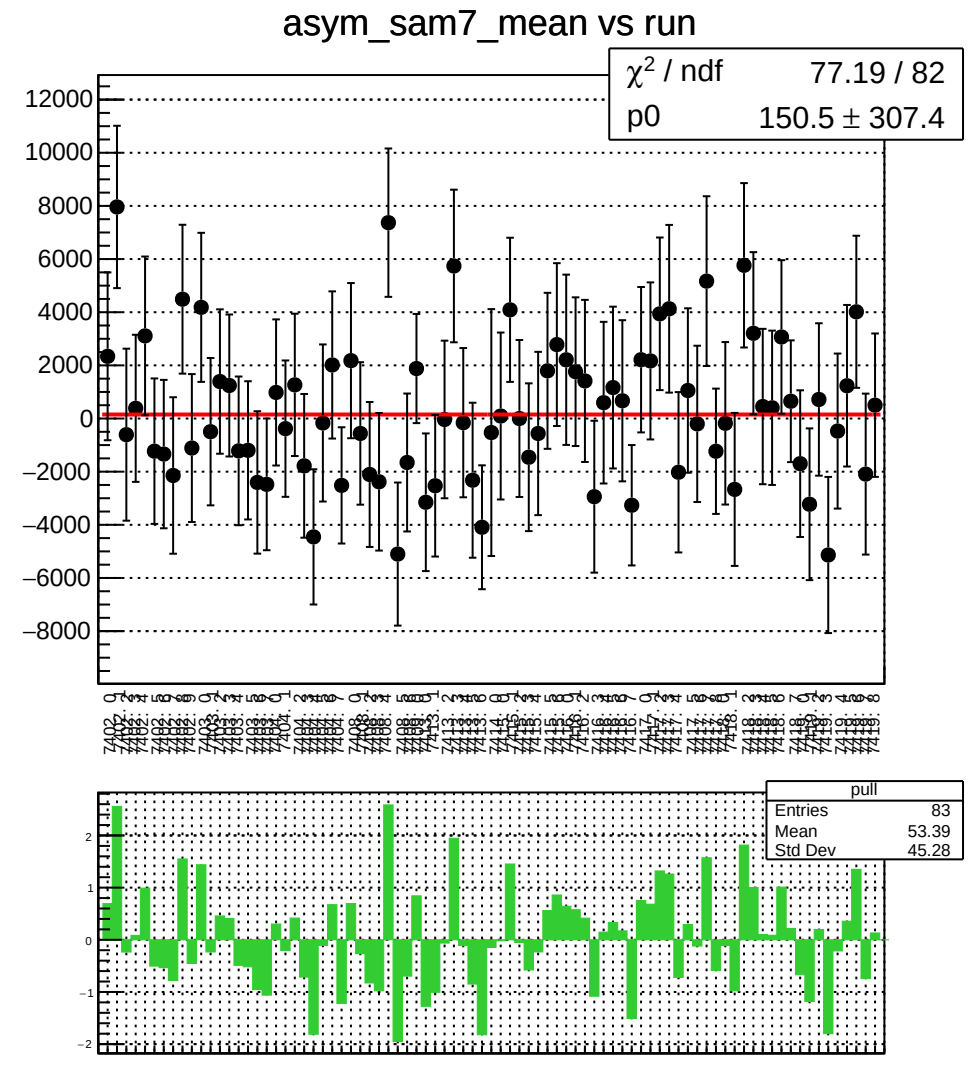

pull1D
Entries 83
Mean −0.01028
Std Dev 1.004

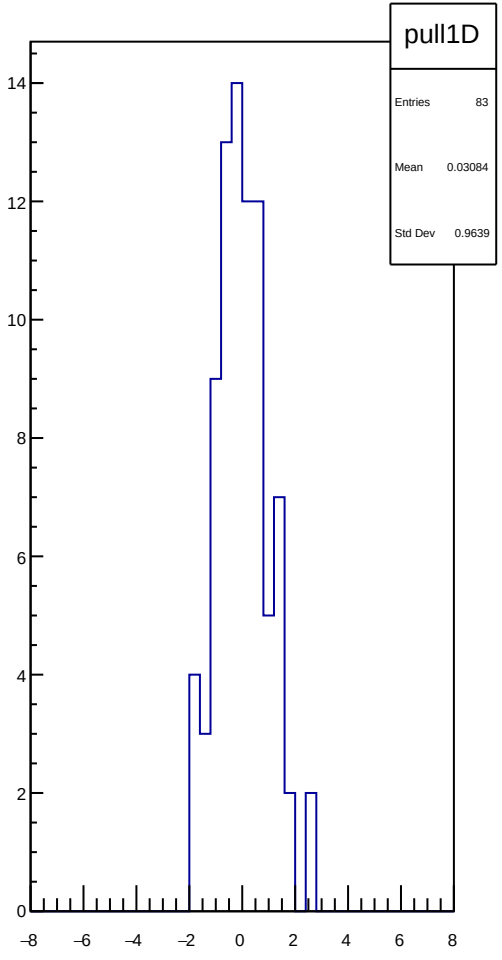

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 2.708e+04 / 82
p0 99.51 ± 0.07989
130
120
110
100
90
80
70

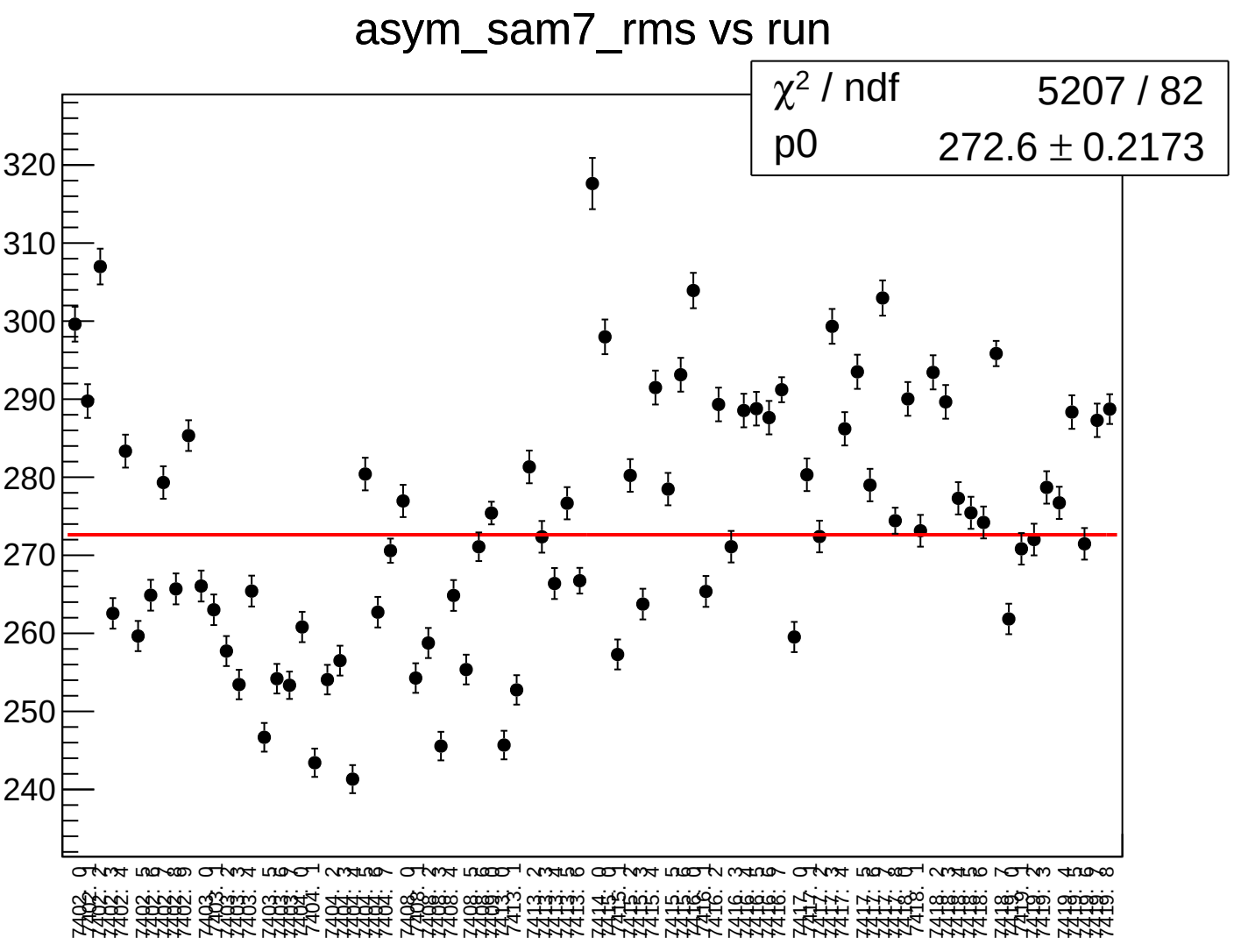

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 73.34 / 82
p0 −256.2 ± 316.6
pull
Entries 83
Mean 107.1
Std Dev 0

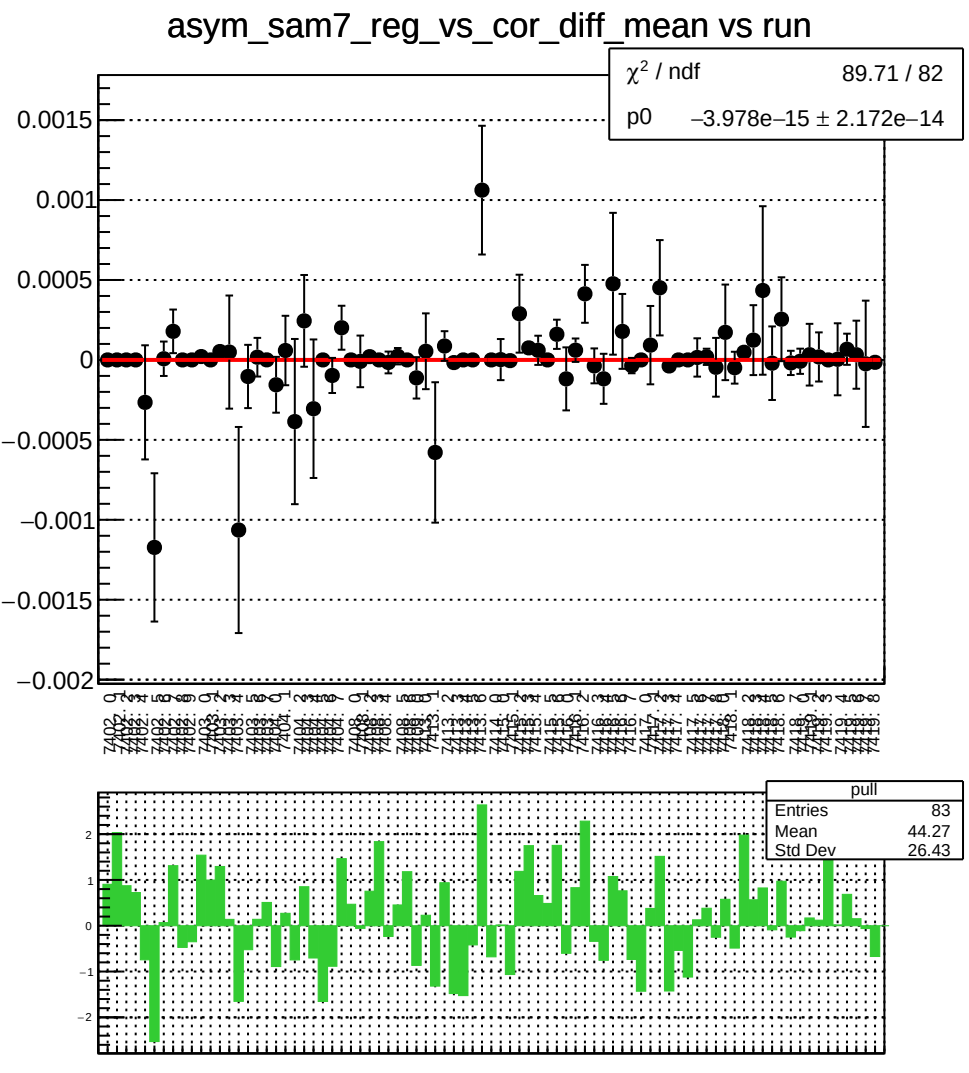

pull1D
Entries 83
Mean −0.02038
Std Dev 0.9398

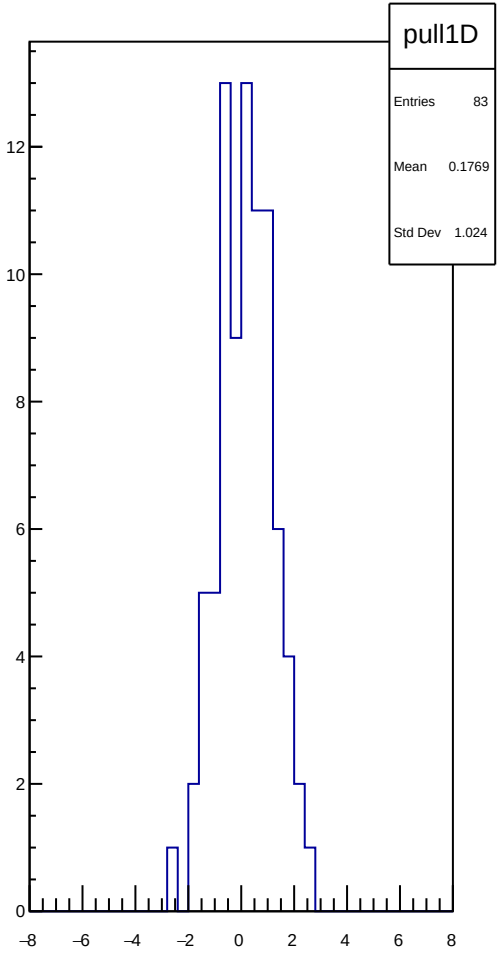

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 2546 / 82
p0 281 ± 0.2238
320
310
300
290
280
270
260
250

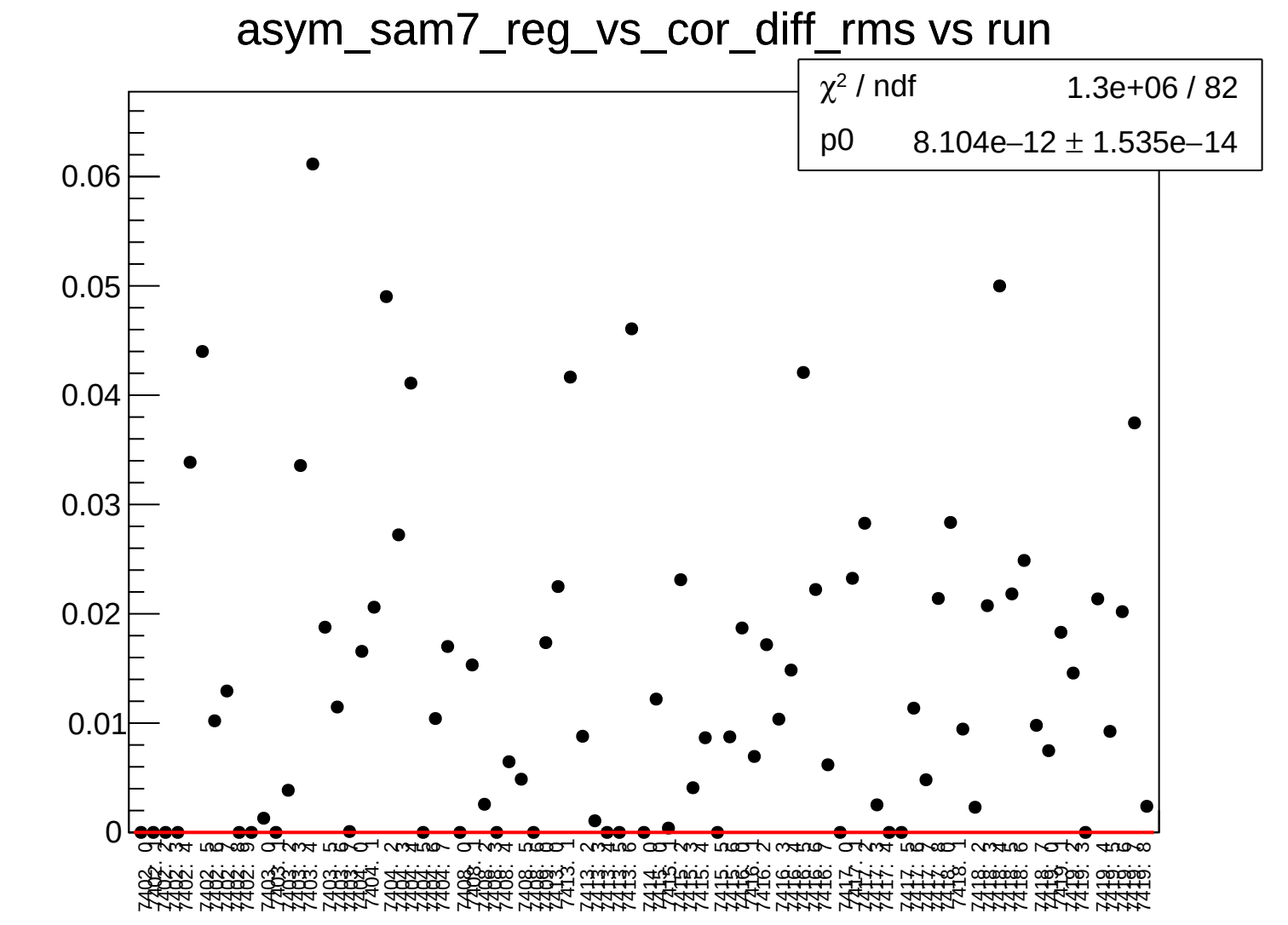

asym_sam7_mean vs run
χ² / ndf 77.19 / 82
p0 150.5 ± 307.4
pull
Entries 83
Mean 53.39
Std Dev 45.28

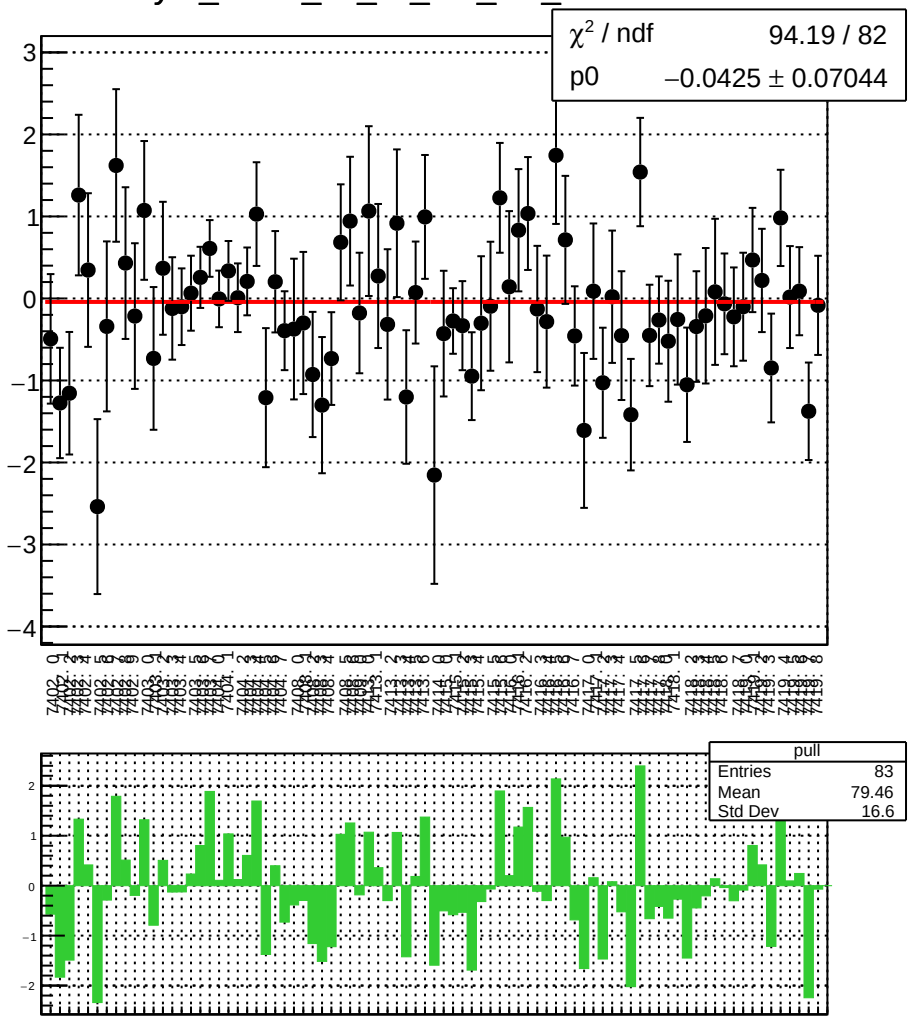

pull1D
Entries 83
Mean 0.03084
Std Dev 0.9639

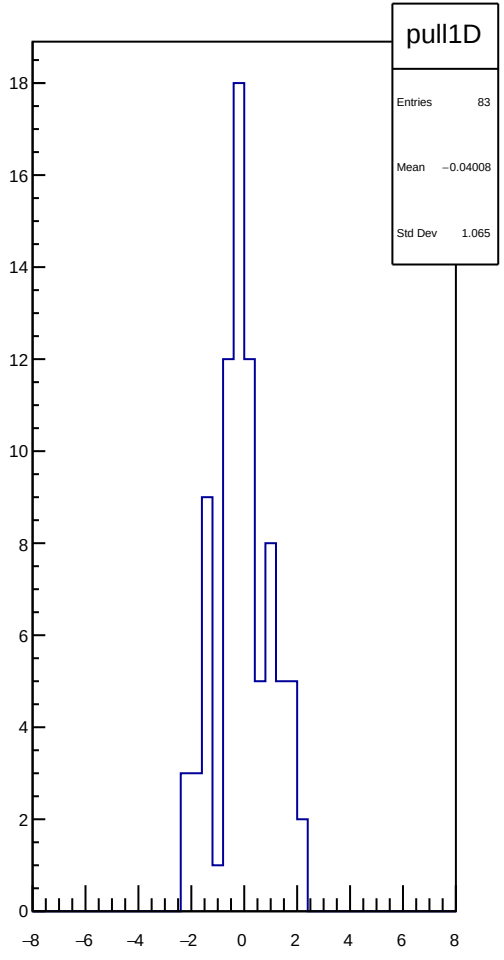

asym_sam7_rms vs run
χ² / ndf 5207 / 82
p0 272.6 ± 0.2173
320
310
300
290
280
270
260
250
240

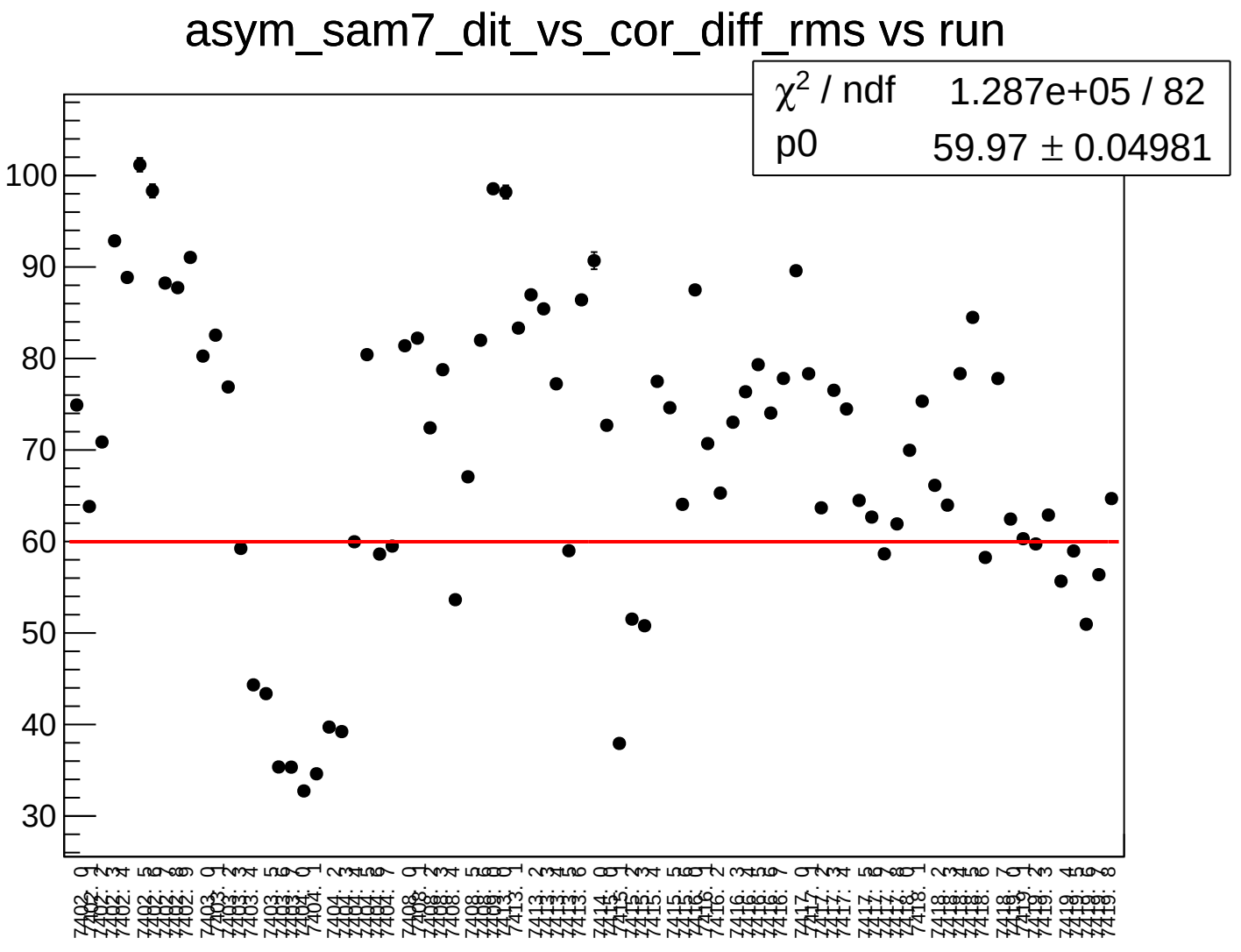

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 89.71 / 82
p0 −3.978e−15 ± 2.172e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 83
Mean 44.27
Std Dev 26.43
2
1
0
−1
−2

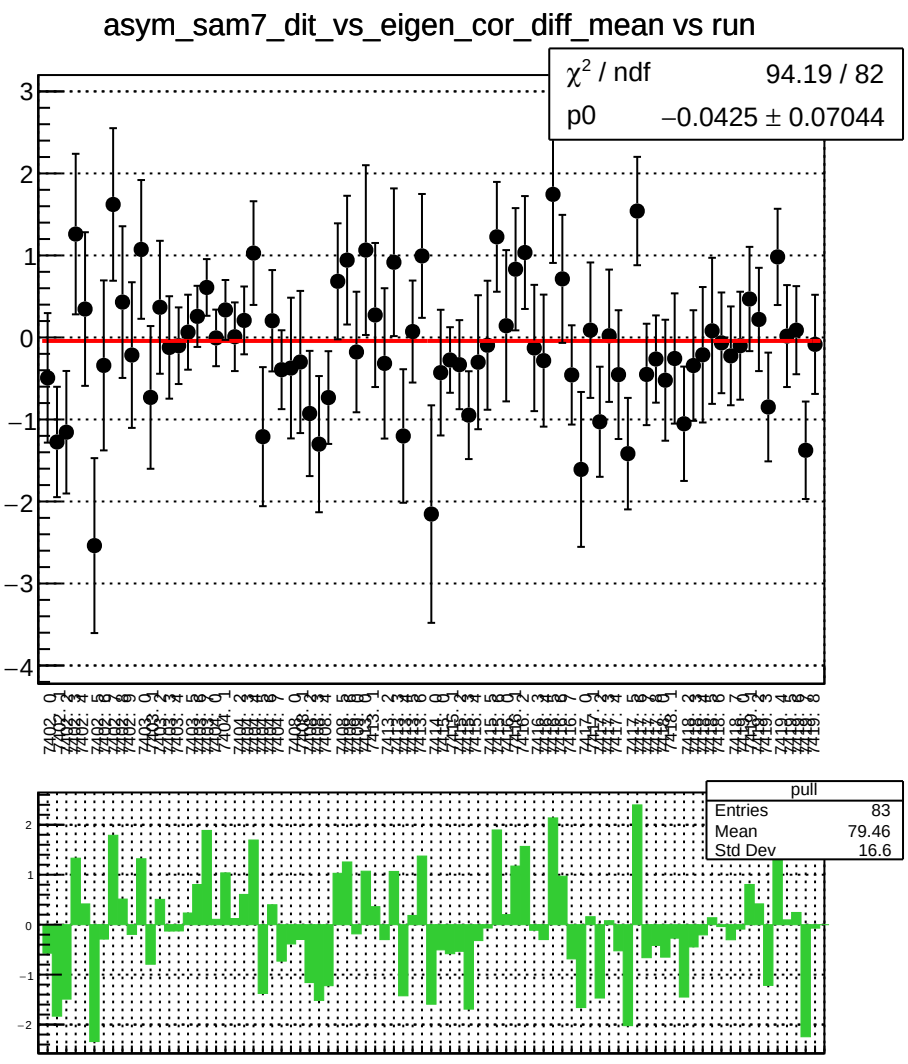

pull1D
Entries 83
Mean 0.1769
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

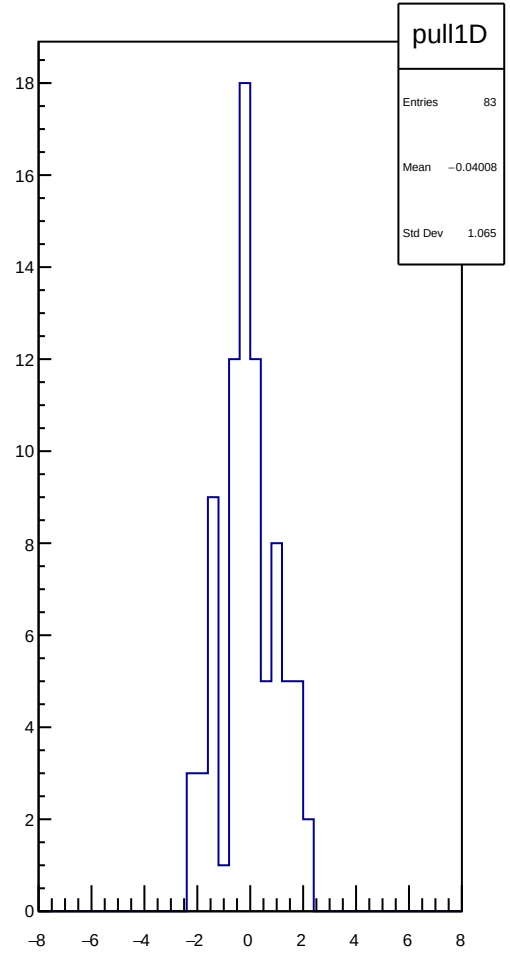

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 1.3e+06 / 82
p0 8.104e−12 ± 1.535e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

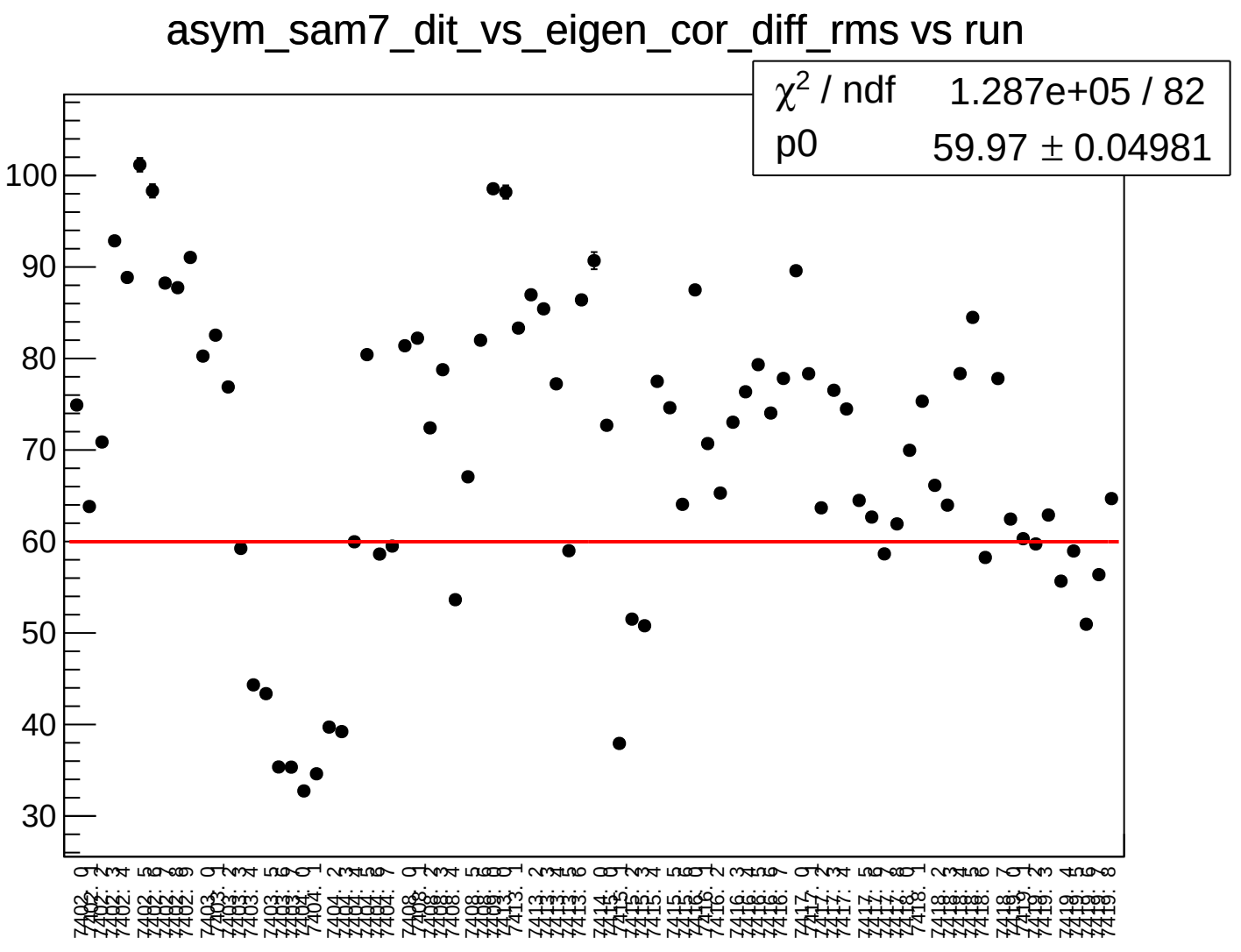

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 94.19 / 82
p0 −0.0425 ± 0.07044
pull
Entries 83
Mean 79.46
Std Dev 16.6

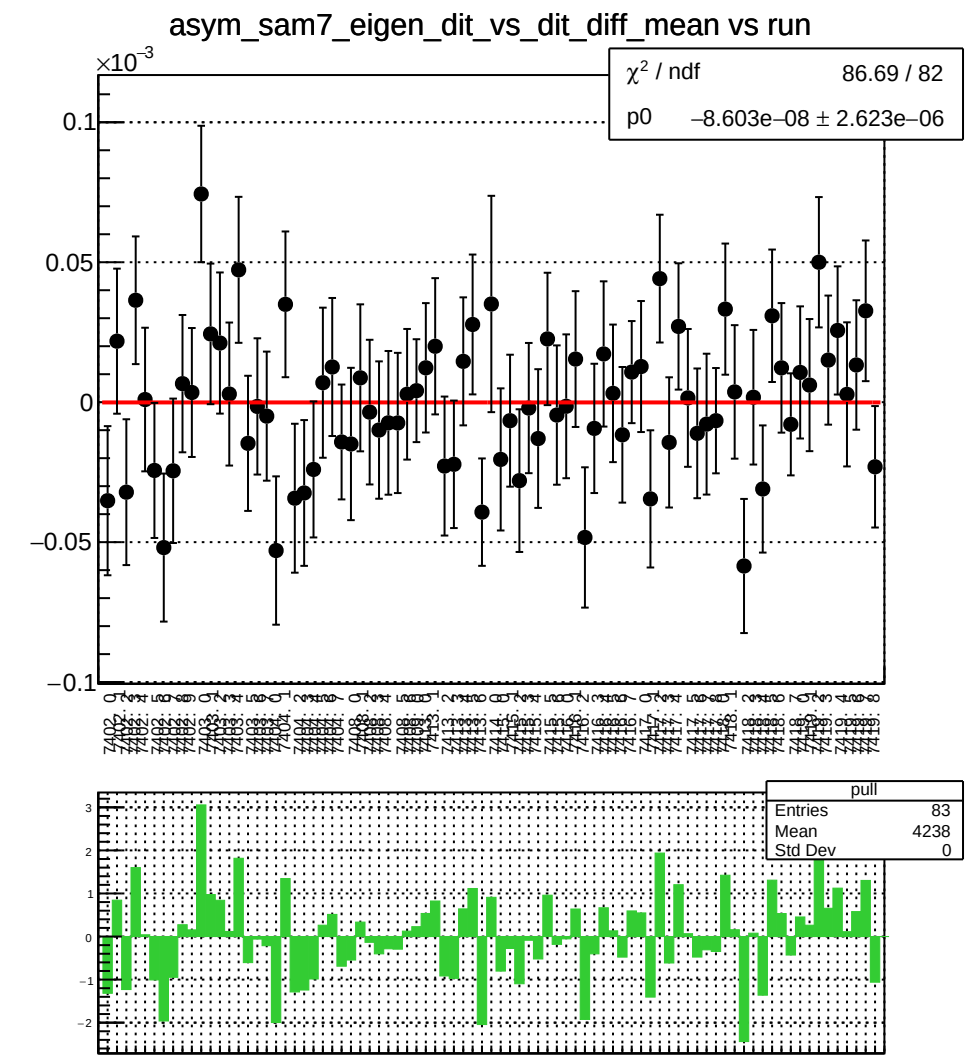

pull1D
Entries 83
Mean −0.04008
Std Dev 1.065

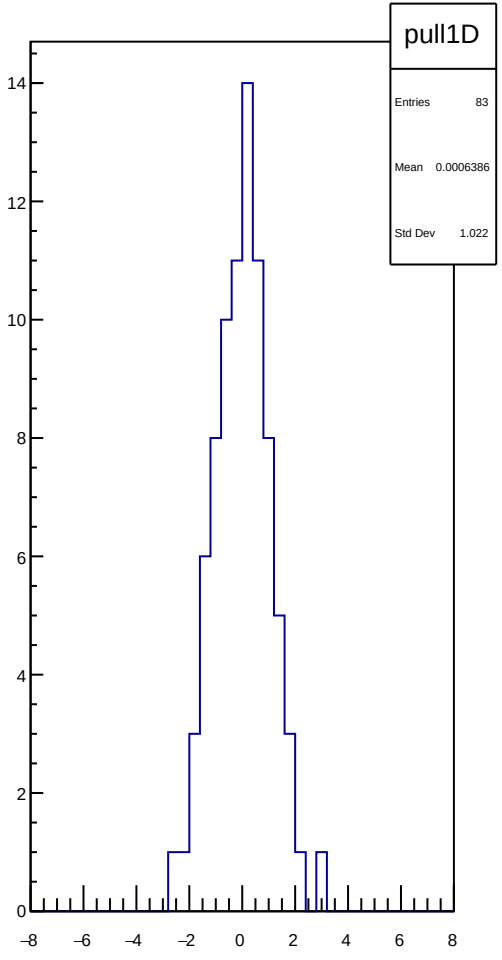

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 1.287e+05 / 82
p0 59.97 ± 0.04981
100
90
80
70
60
50
40
30

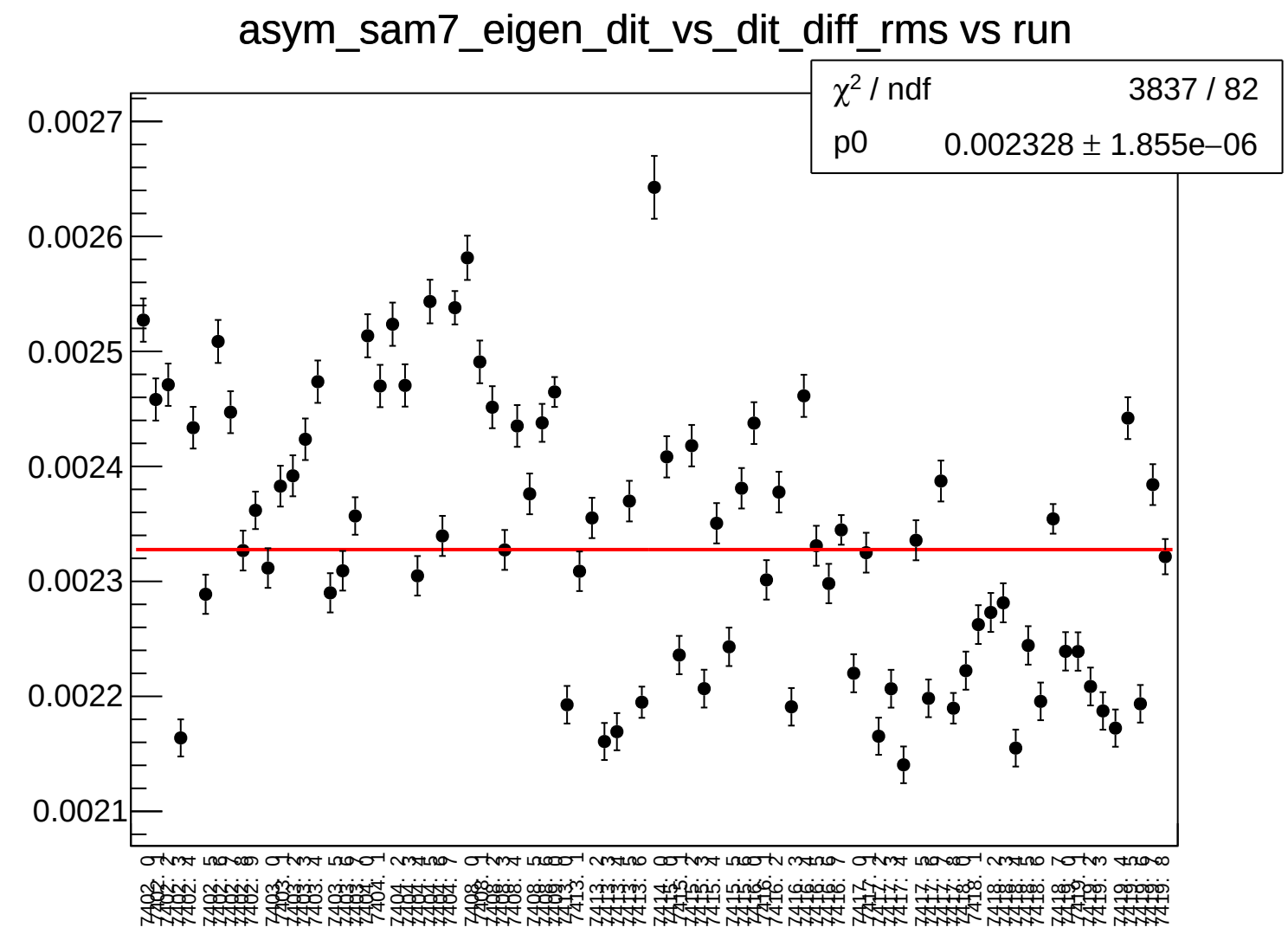

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.19 / 82
p0 −0.0425 ± 0.07044
pull
Entries 83
Mean 79.46
Std Dev 16.6

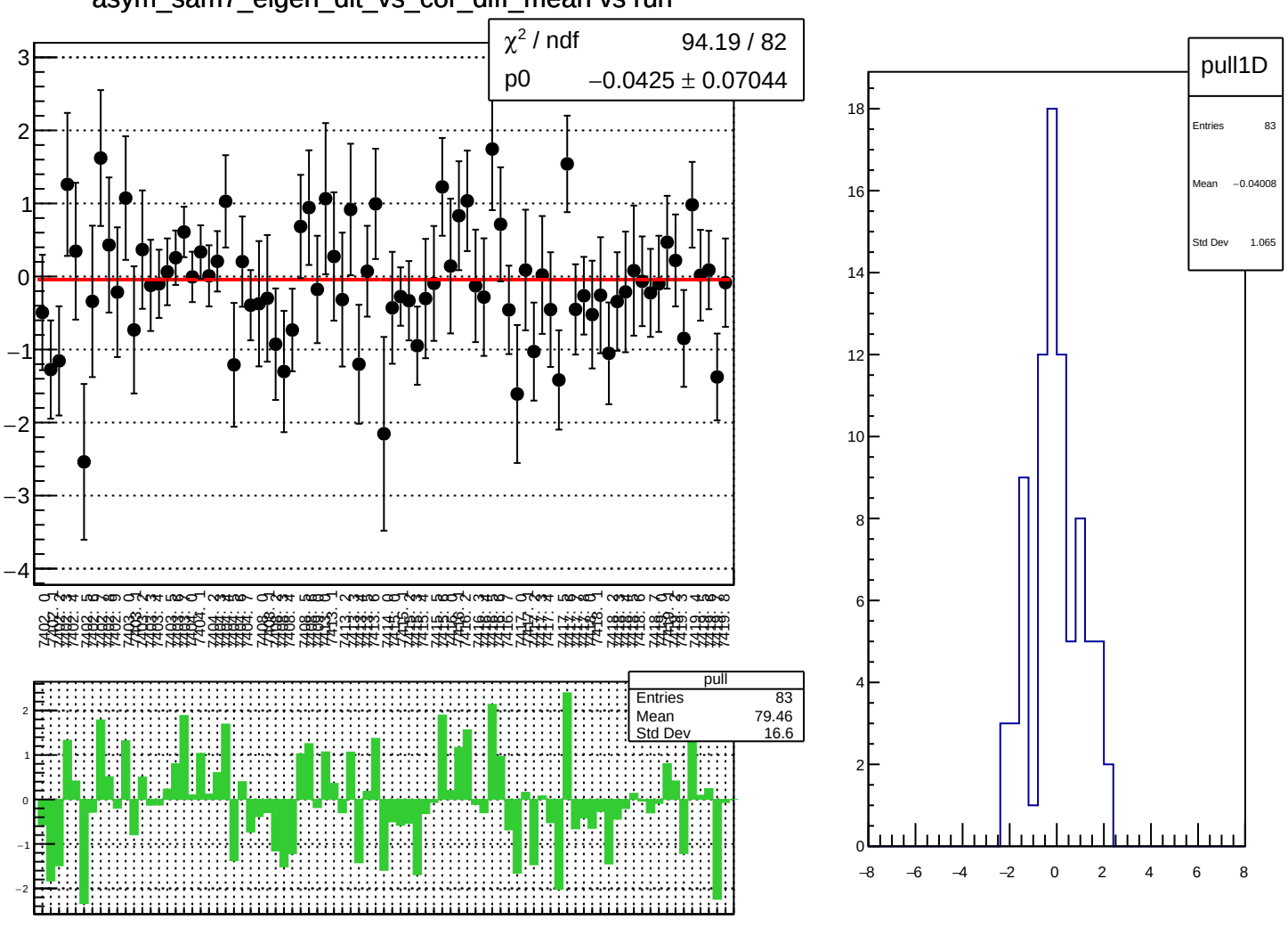

pull1D
Entries 83
Mean −0.04008
Std Dev 1.065

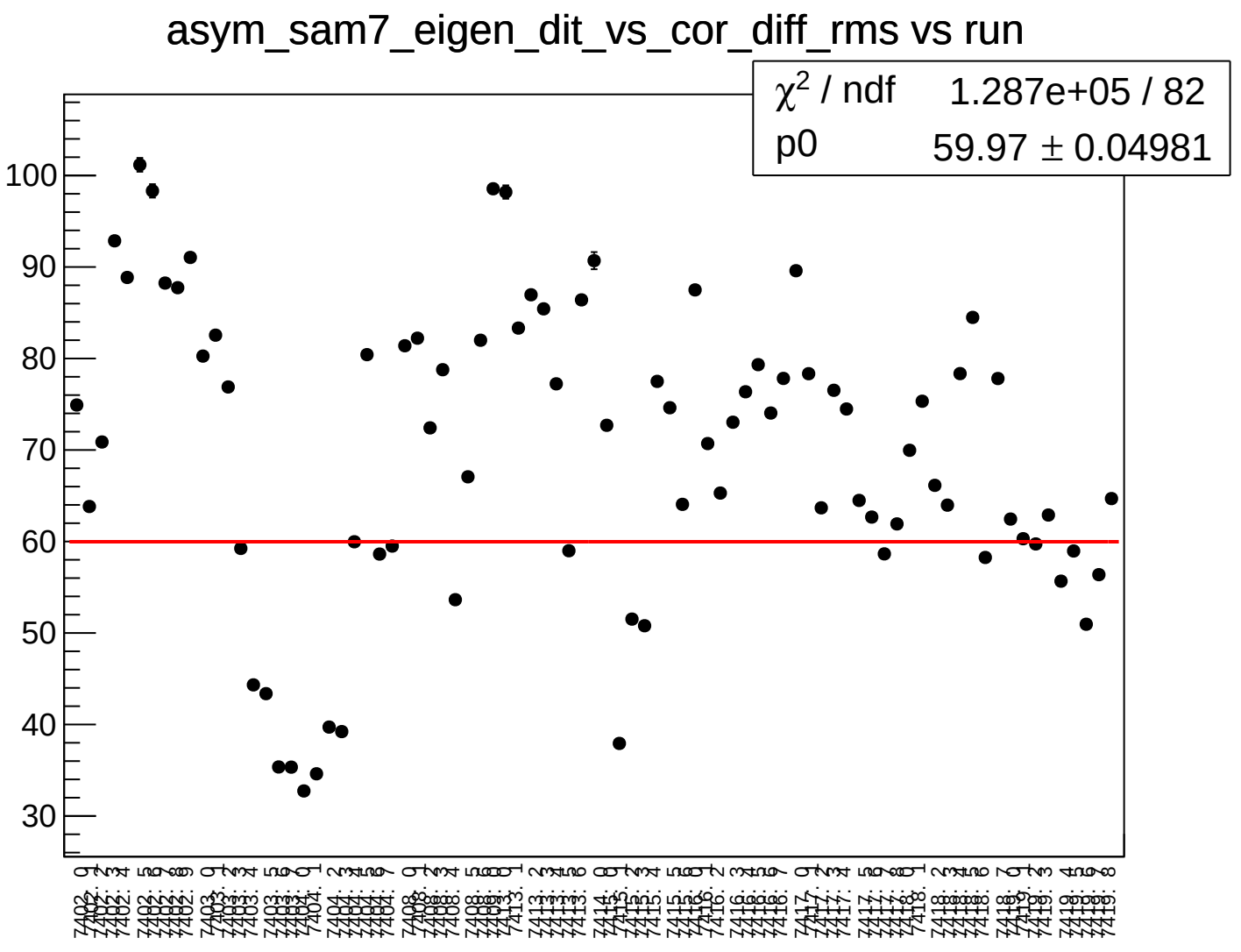

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.287e+05 / 82
p0 59.97 ± 0.04981
100
90
80
70
60
50
40
30

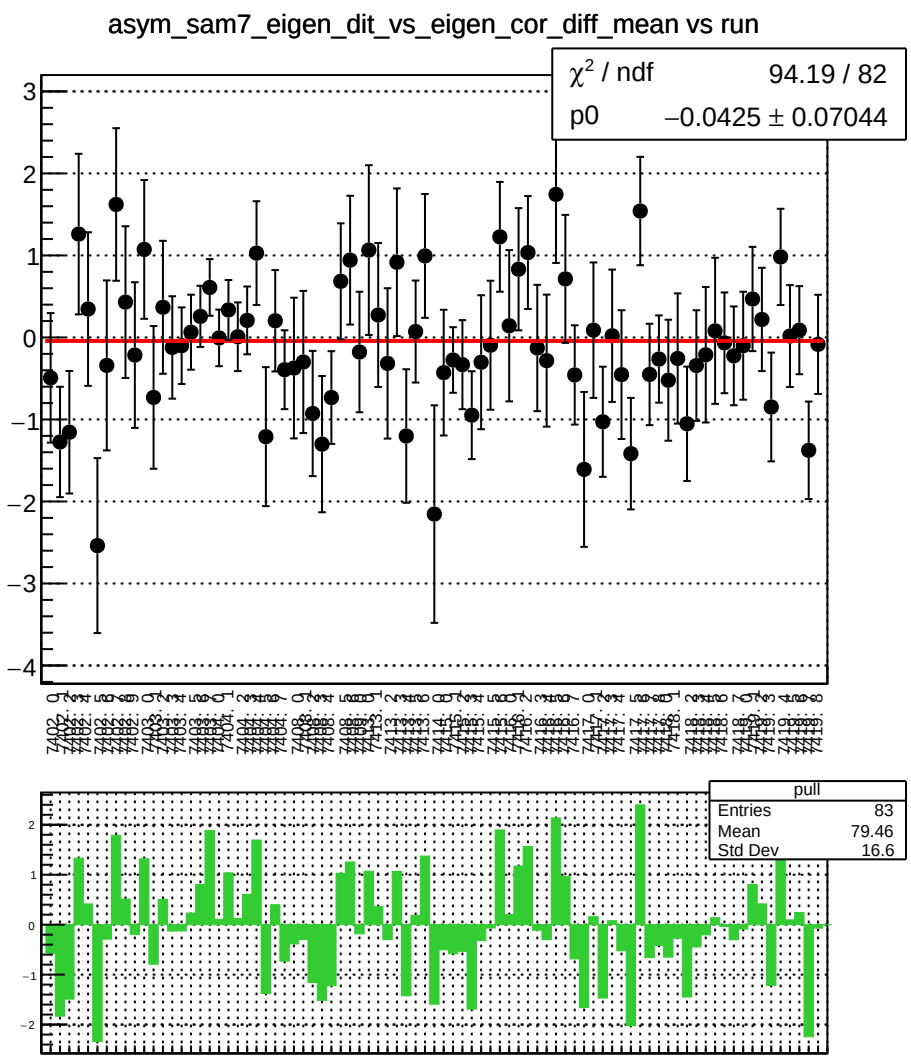

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.69 / 82
p0 −8.603e−08 ± 2.623e−06
pull
Entries 83
Mean 4238
Std Dev 0

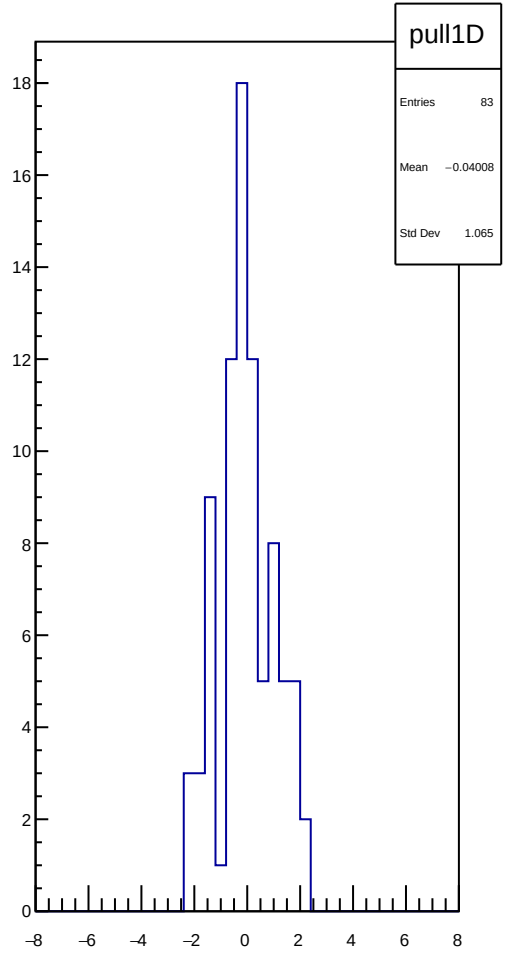

pull1D
Entries 83
Mean 0.0006386
Std Dev 1.022

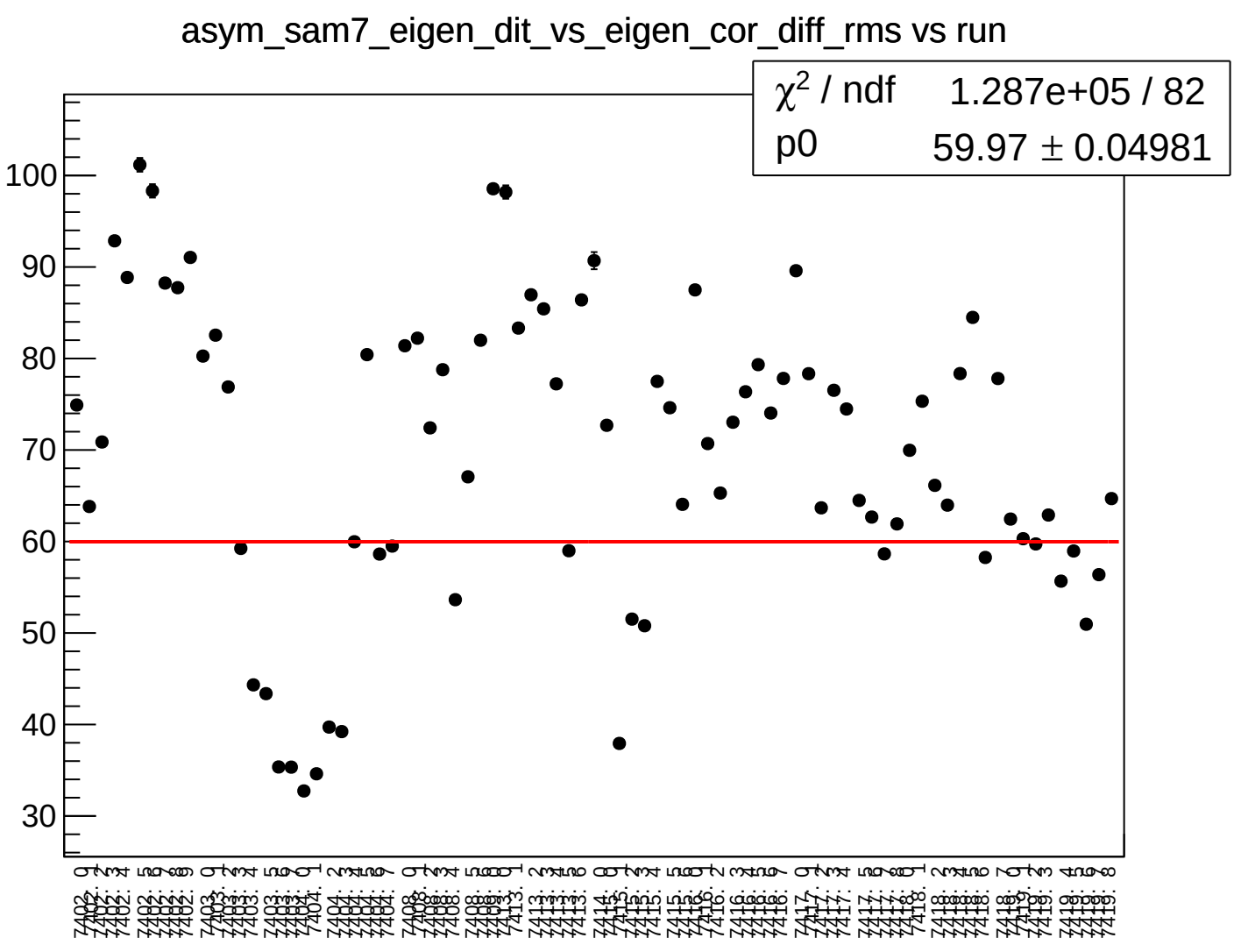

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3837 / 82
p0 0.002328 ± 1.855e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021

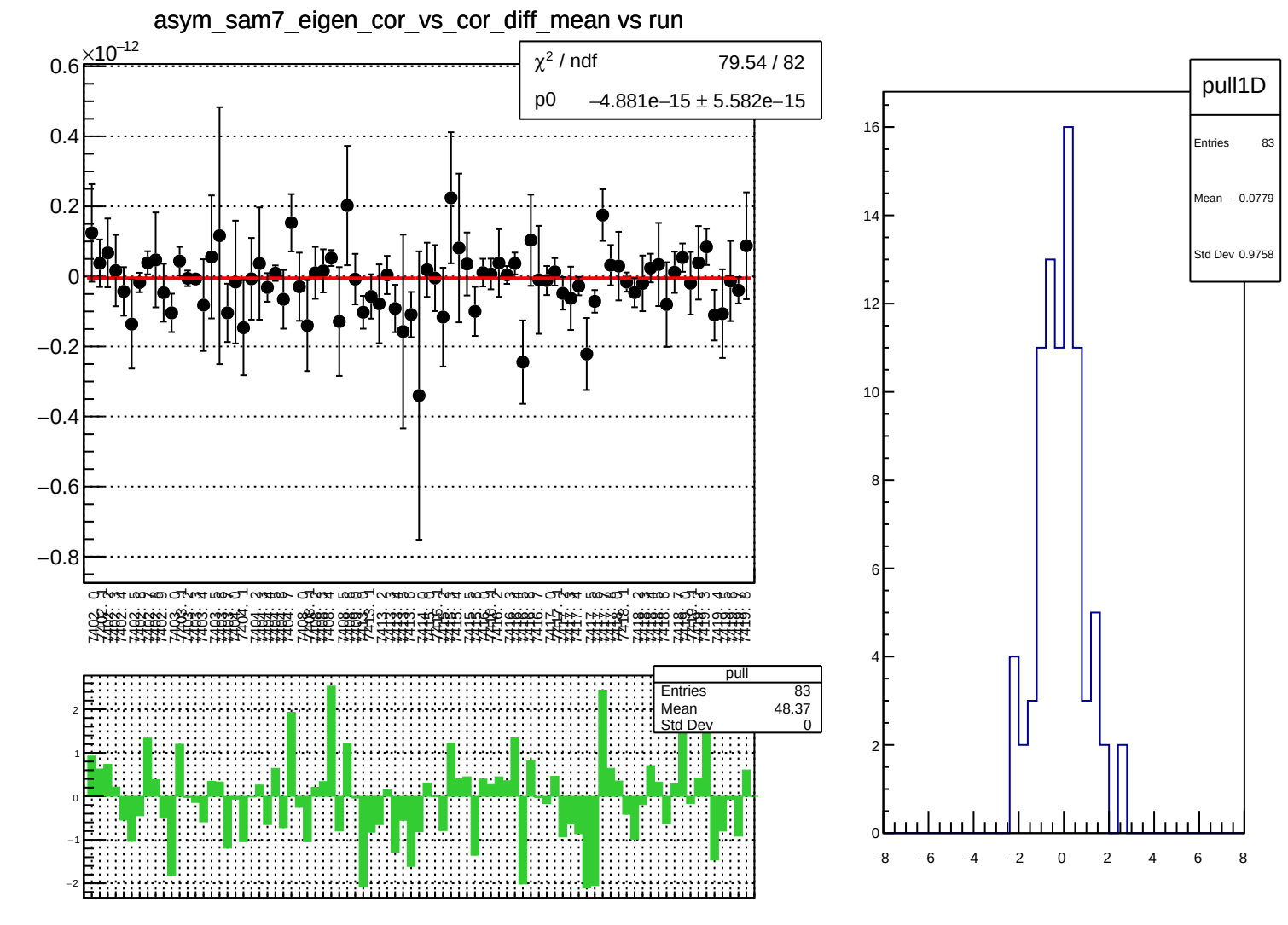

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.19 / 82
p0 −0.0425 ± 0.07044
pull
Entries 83
Mean 79.46
Std Dev 16.6
pull1D
Entries 83
Mean −0.04008
Std Dev 1.065

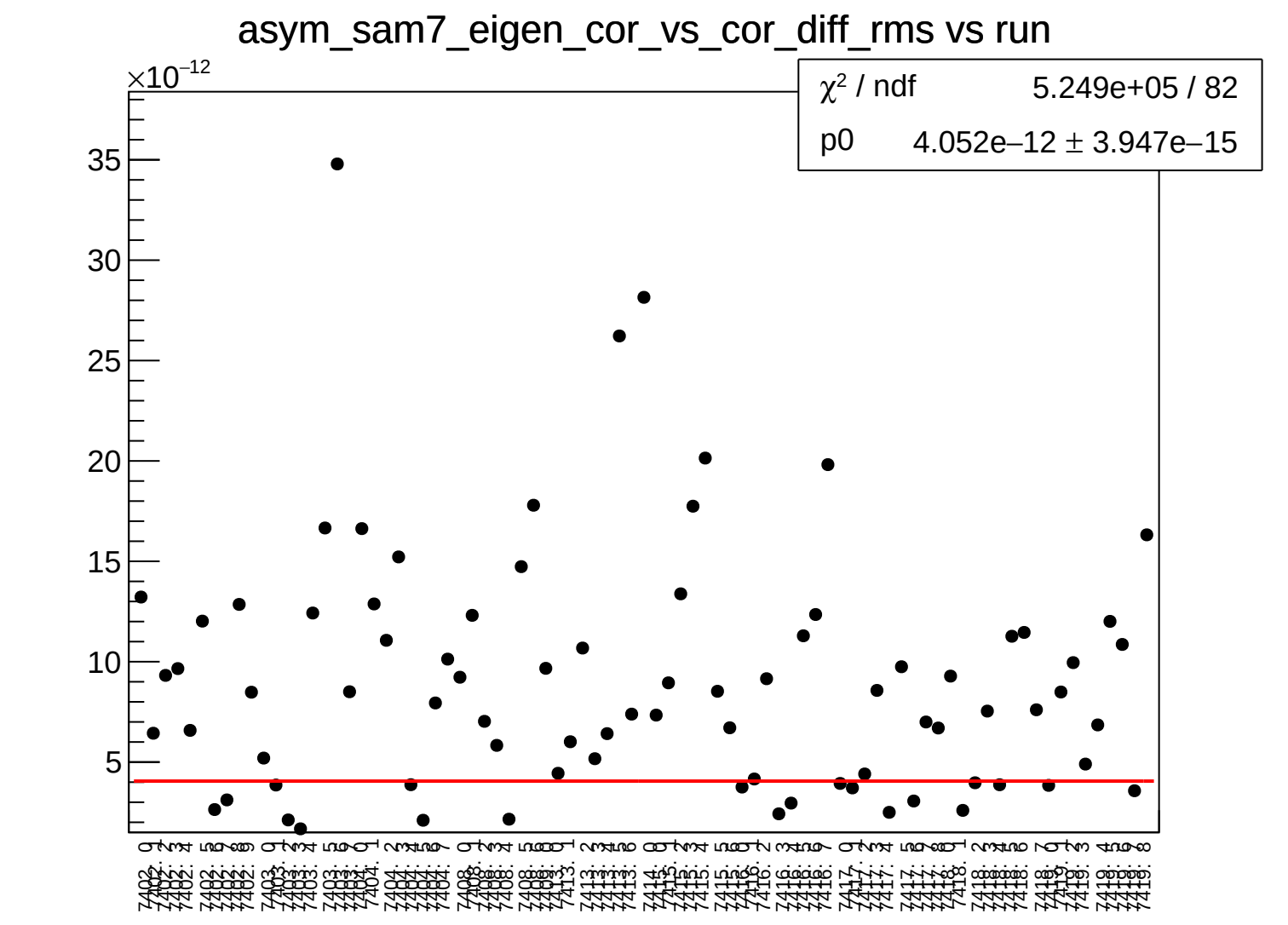

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.287e+05 / 82
p0 59.97 ± 0.04981
100
90
80
70
60
50
40
30

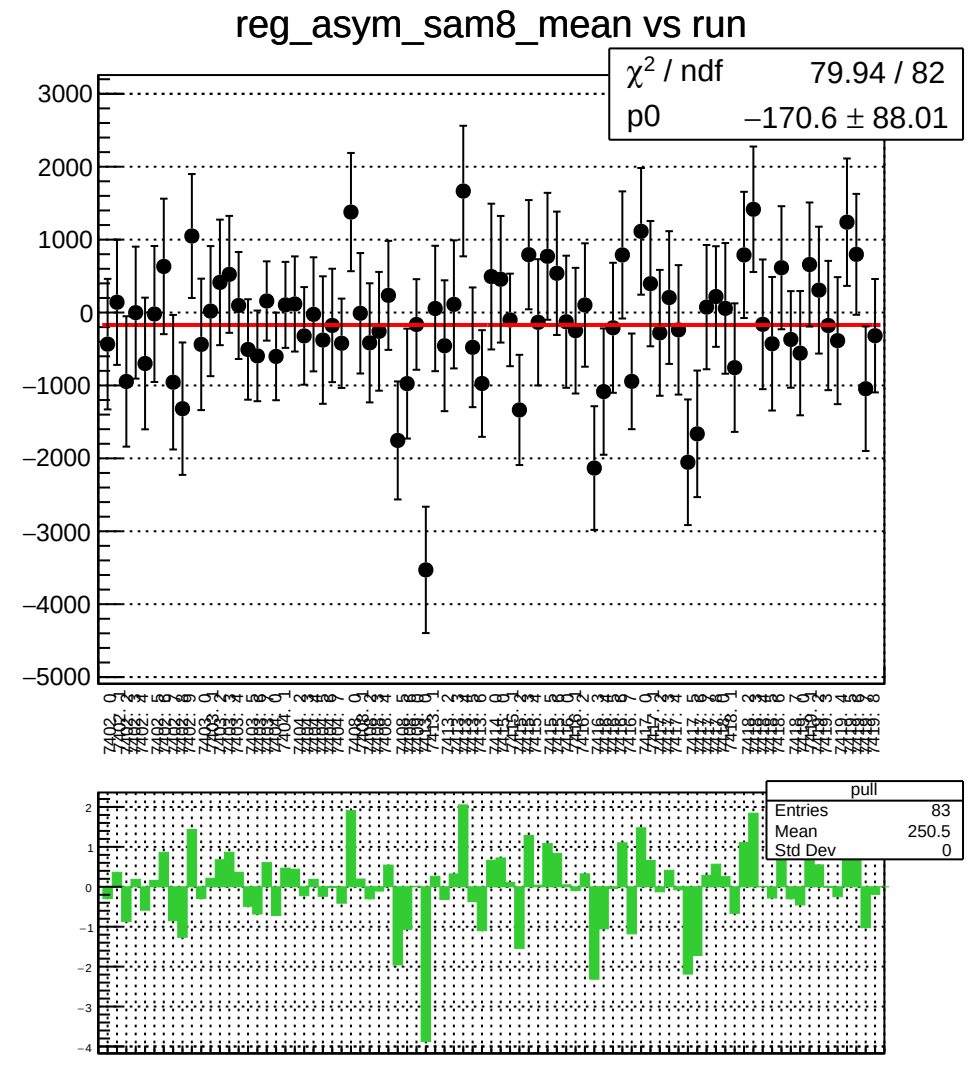

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.19 / 82
p0 −0.0425 ± 0.07044
pull
Entries 83
Mean 79.46
Std Dev 16.6

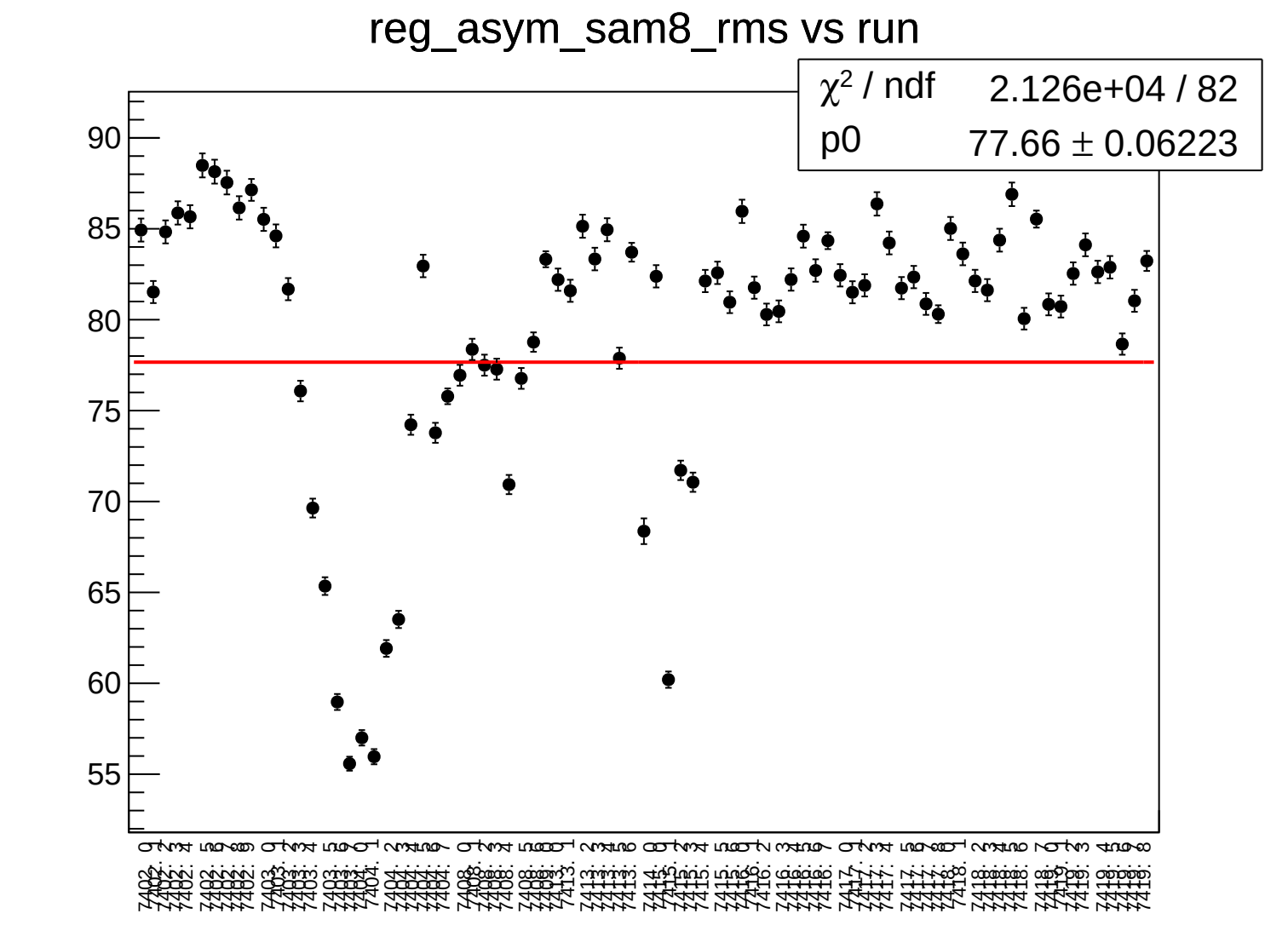

pull1D
Entries 83
Mean −0.04008
Std Dev 1.065

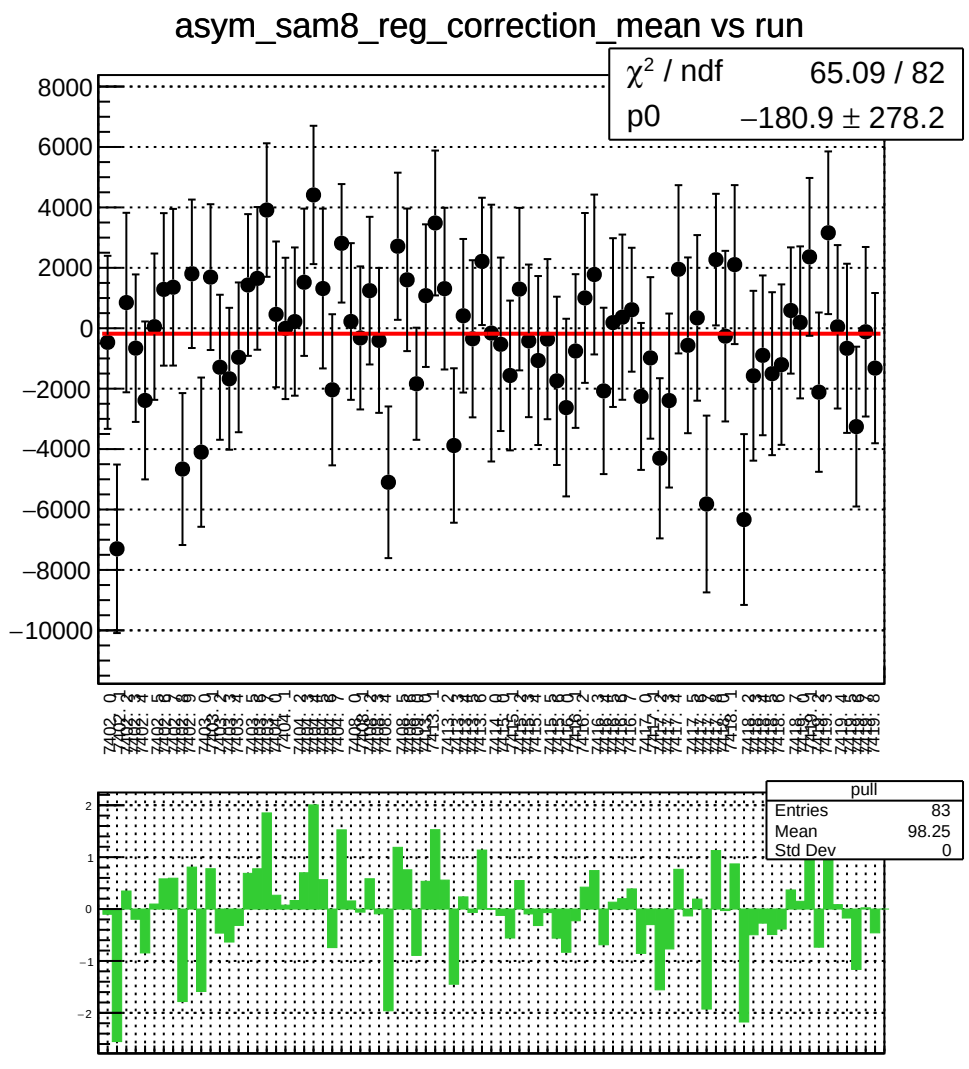

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.287e+05 / 82
p0 59.97 ± 0.04981
100
90
80
70
60
50
40
30

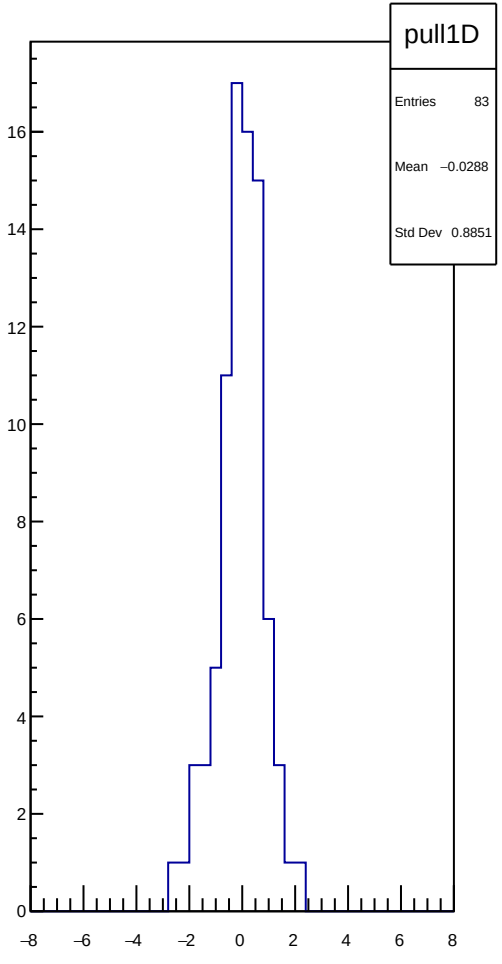

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.54 / 82
p0 −4.881e−15 ± 5.582e−15
pull
Entries 83
Mean 48.37
Std Dev 0
pull1D
Entries 83
Mean −0.0779
Std Dev 0.9758

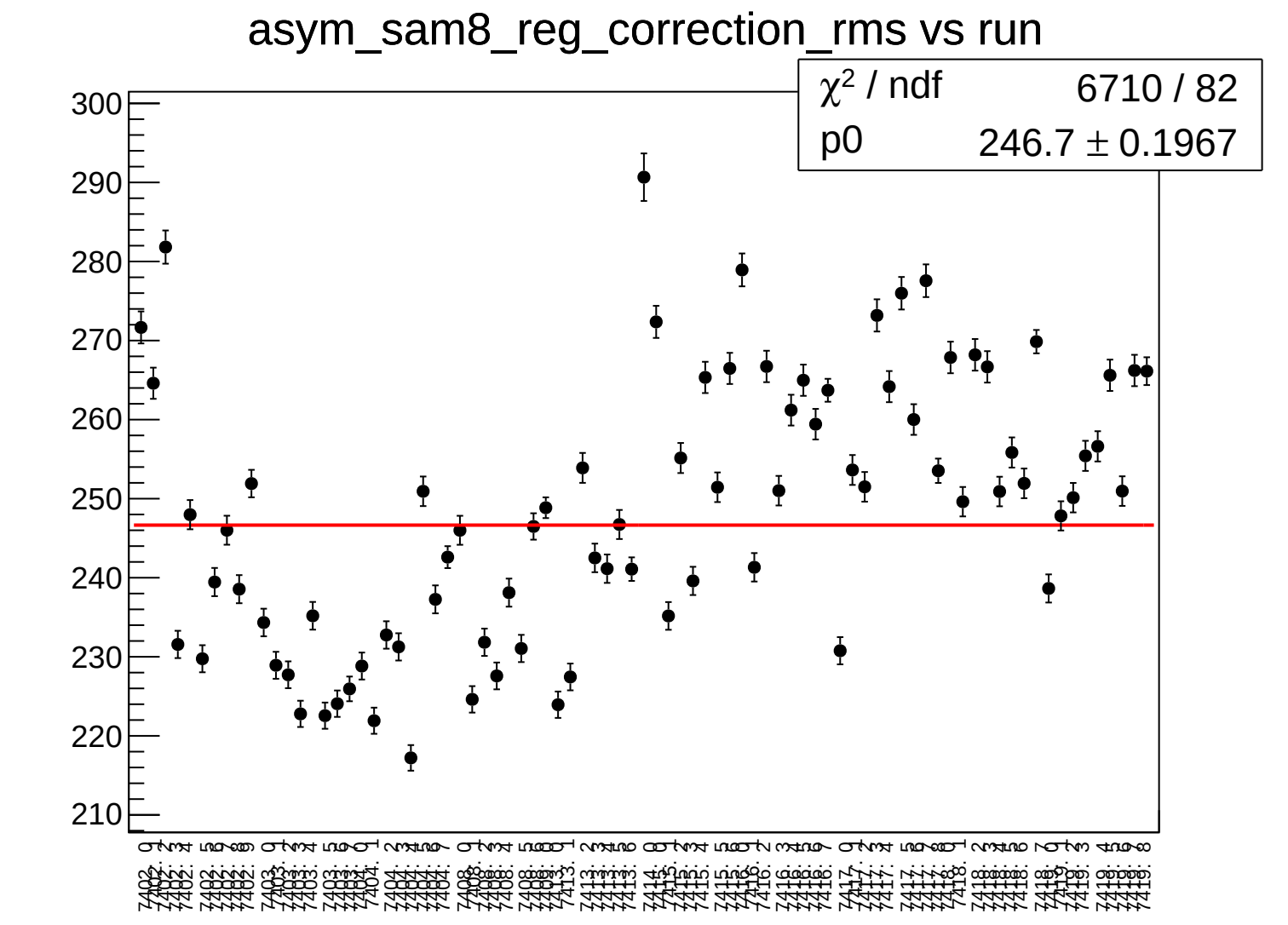

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.249e+05 / 82
p0 4.052e−12 ± 3.947e−15
35
30
25
20
15
10
5

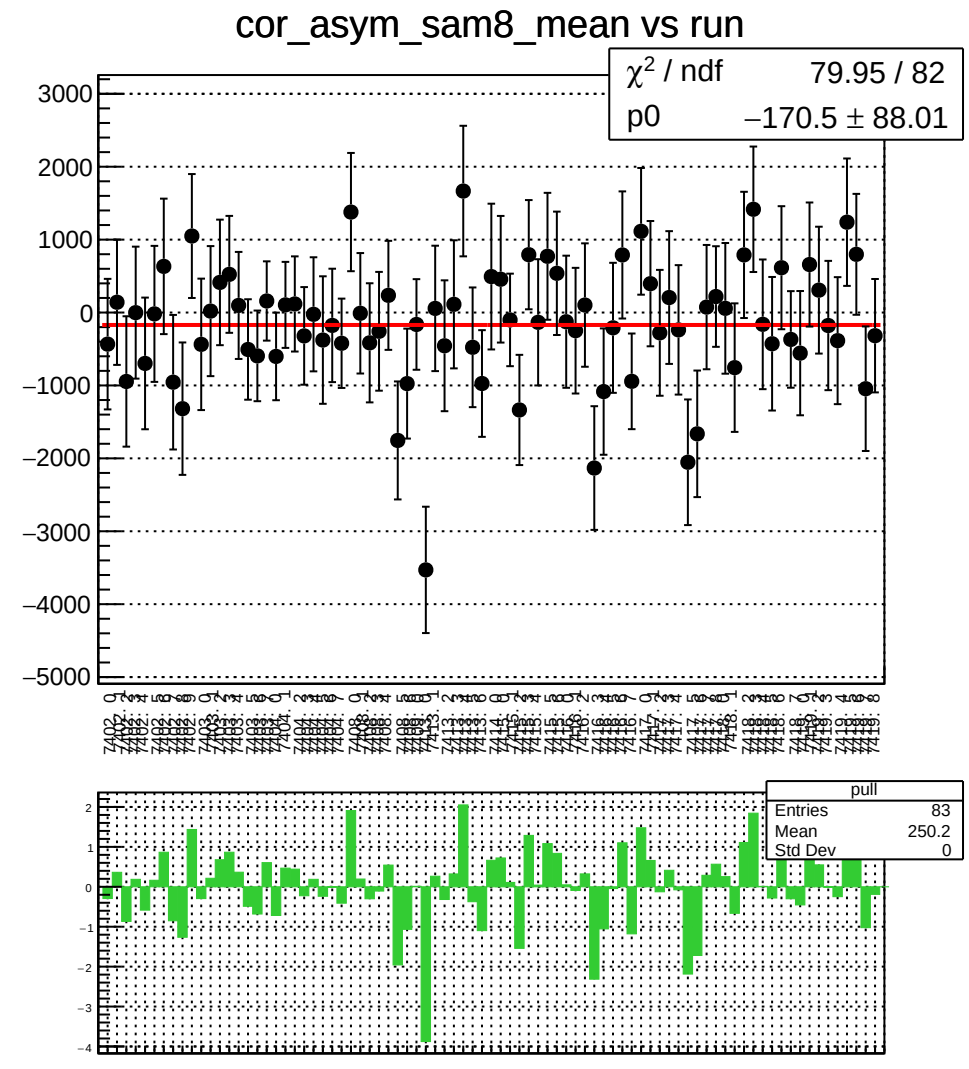

reg_asym_sam8_mean vs run
χ² / ndf 79.94 / 82
p0 −170.6 ± 88.01
pull
Entries 83
Mean 250.5
Std Dev 0
pull1D
Entries 83
Mean 0.008375
Std Dev 0.9814

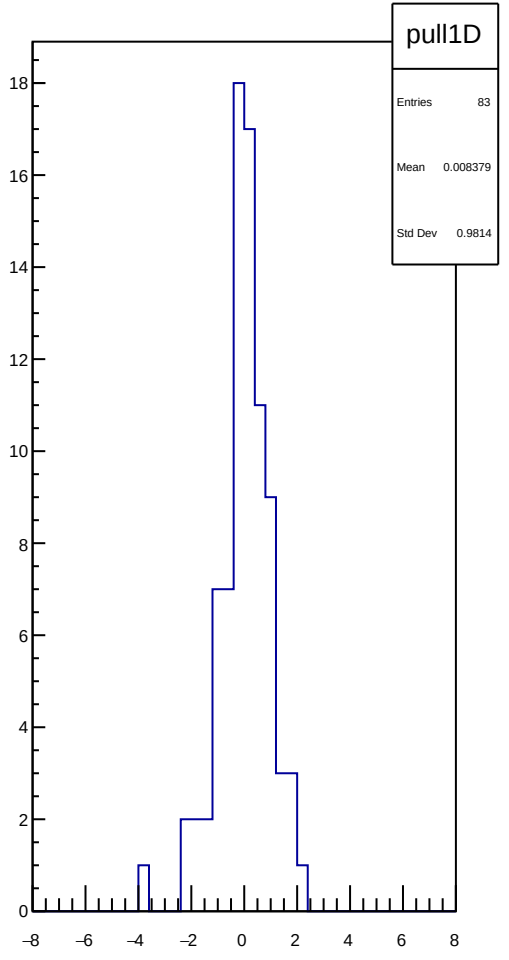

reg_asym_sam8_rms vs run
χ² / ndf 2.126e+04 / 82
p0 77.66 ± 0.06223
90
85
80
75
70
65
60
55


asym_sam8_reg_correction_mean vs run
χ² / ndf 65.09 / 82
p0 −180.9 ± 278.2
pull
Entries 83
Mean 98.25
Std Dev 0

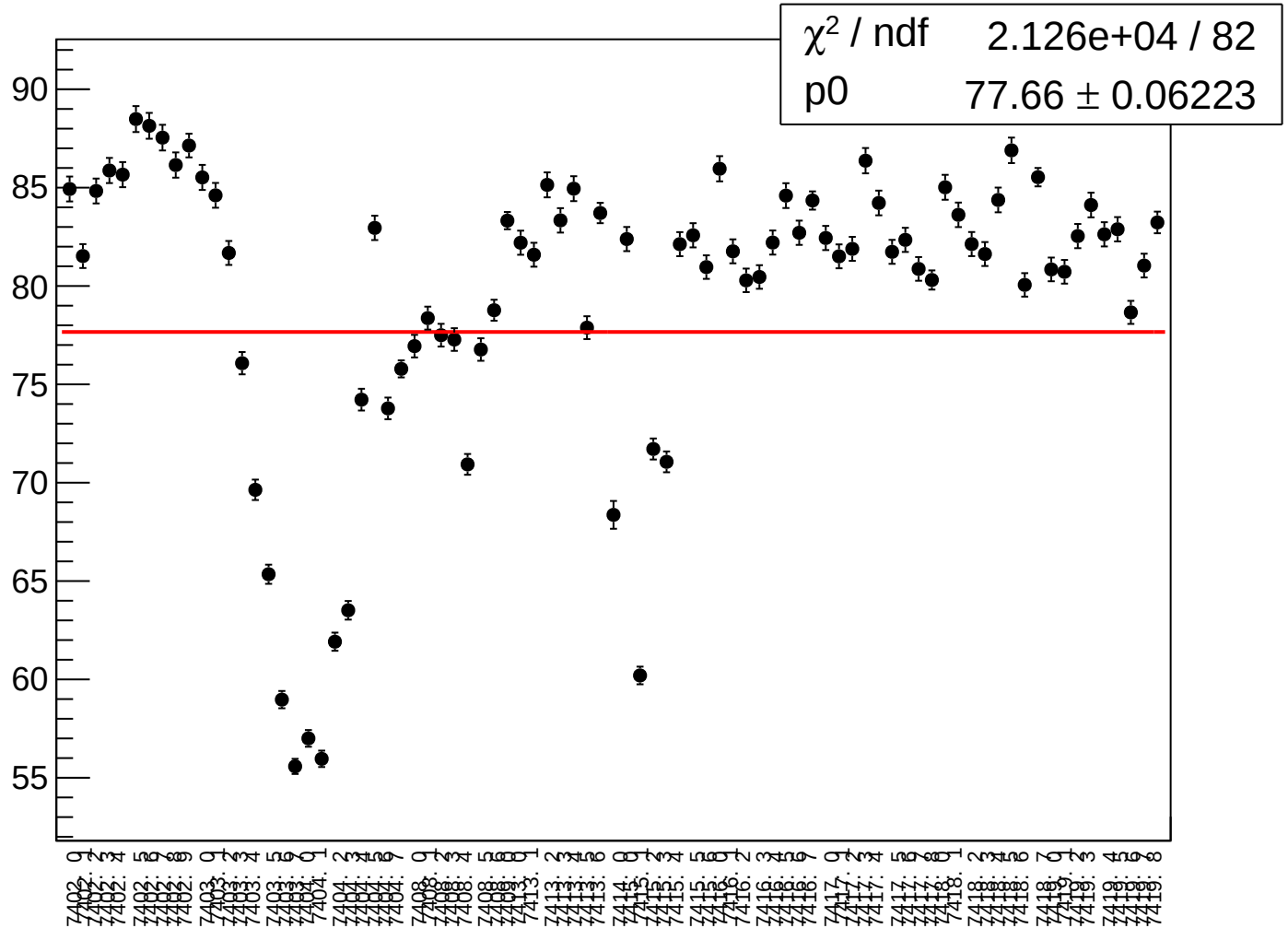

pull1D
Entries 83
Mean −0.0288
Std Dev 0.8851

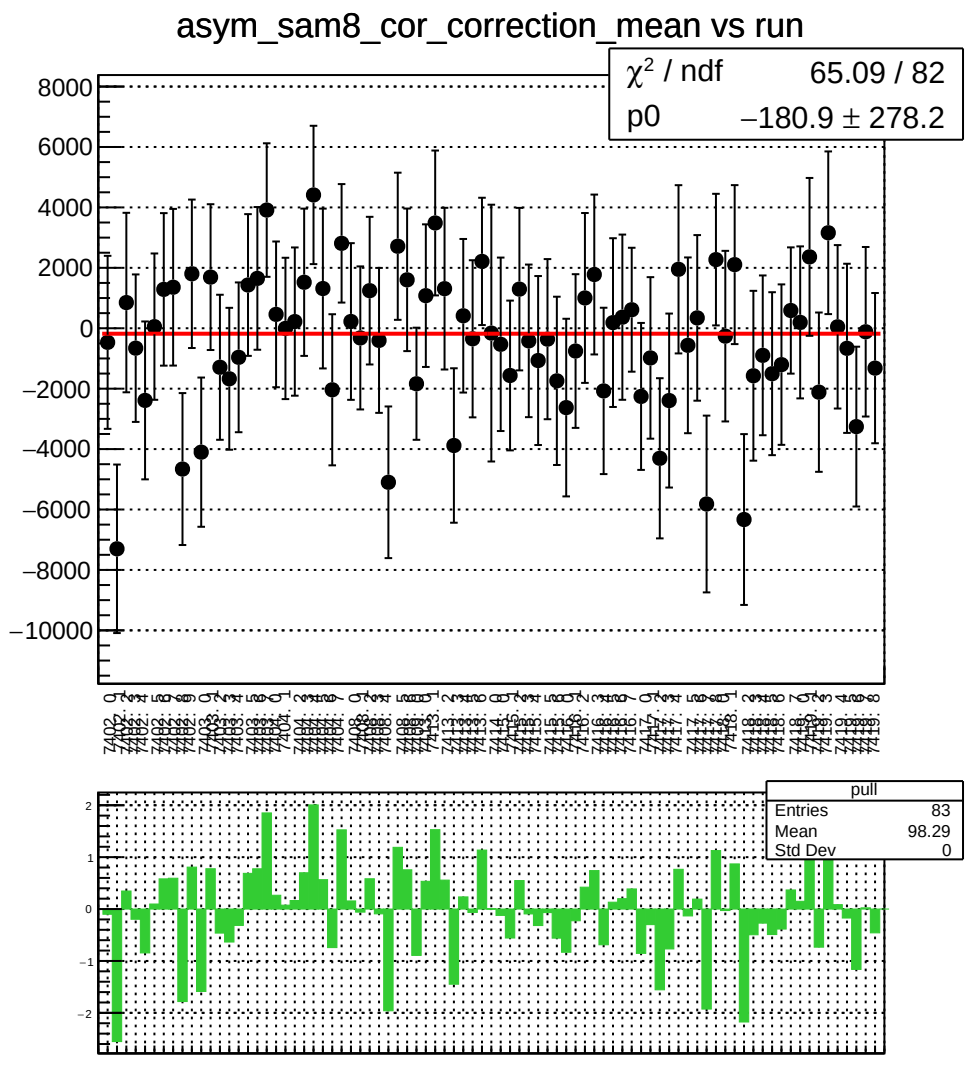

asym_sam8_reg_correction_rms vs run
χ² / ndf 6710 / 82
p0 246.7 ± 0.1967
300
290
280
270
260
250
240
230
220
210

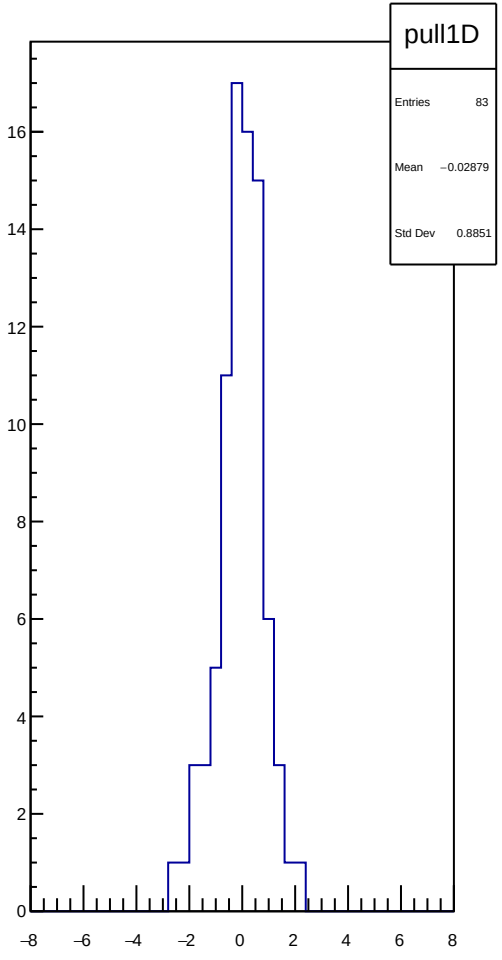

cor_asym_sam8_mean vs run
χ² / ndf 79.95 / 82
p0 −170.5 ± 88.01
pull
Entries 83
Mean 250.2
Std Dev 0

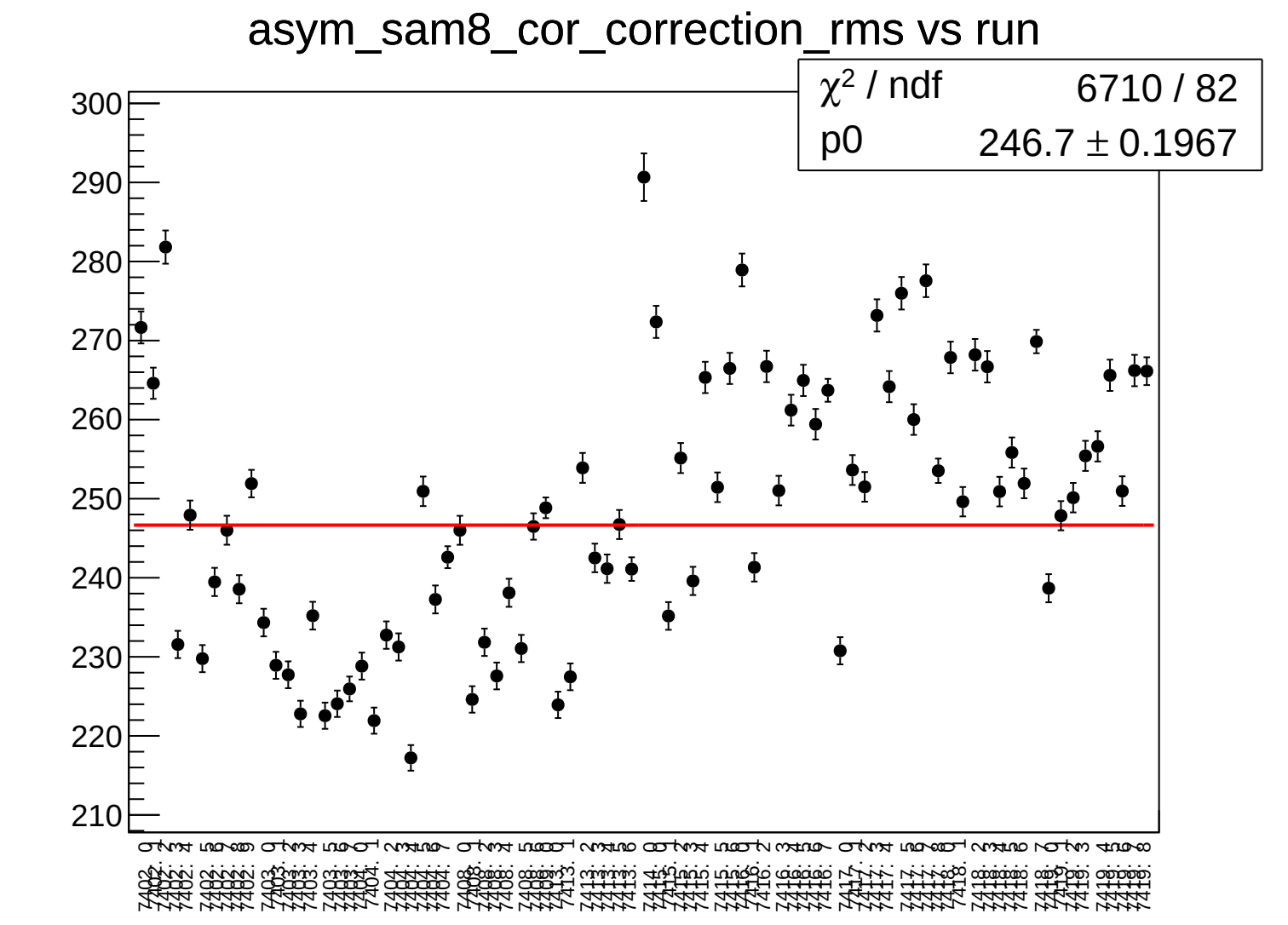

pull1D
Entries 83
Mean 0.008379
Std Dev 0.9814

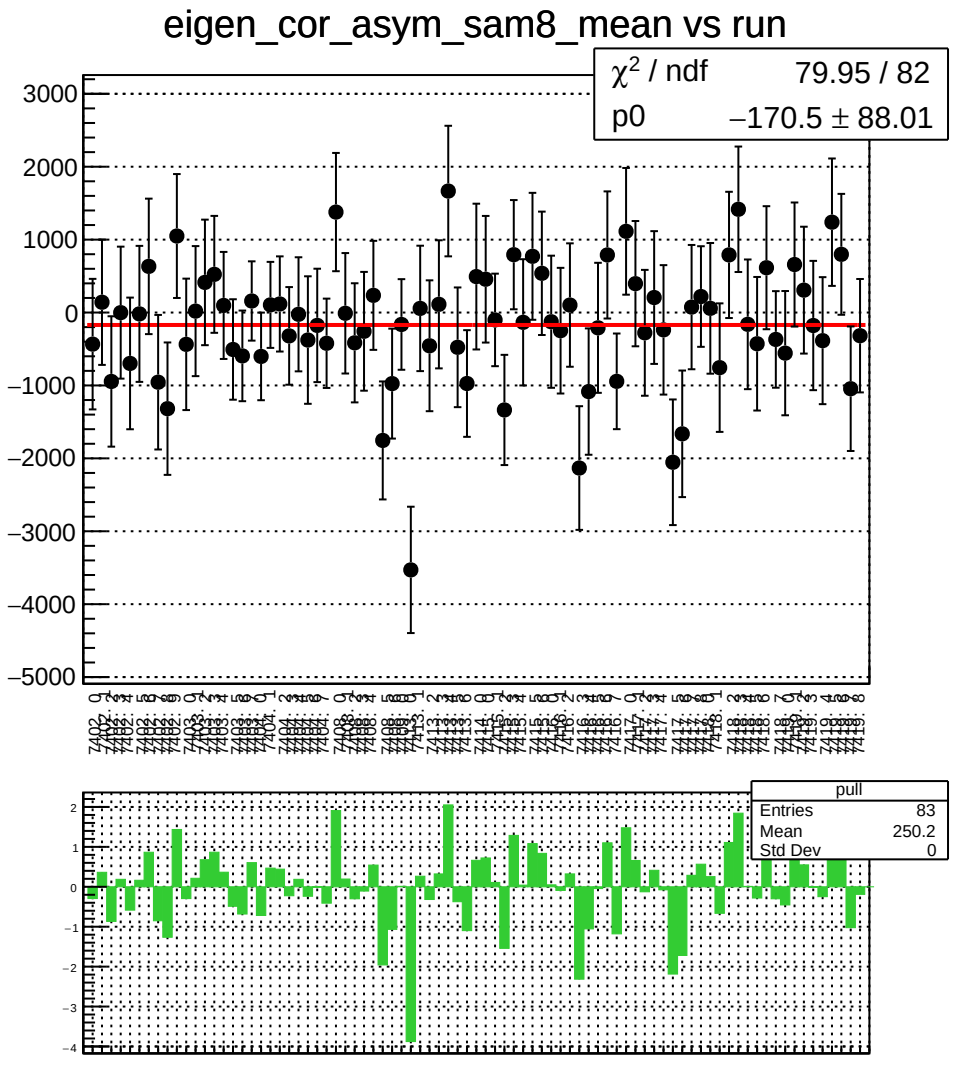
cor_asym_sam8_rms vs run

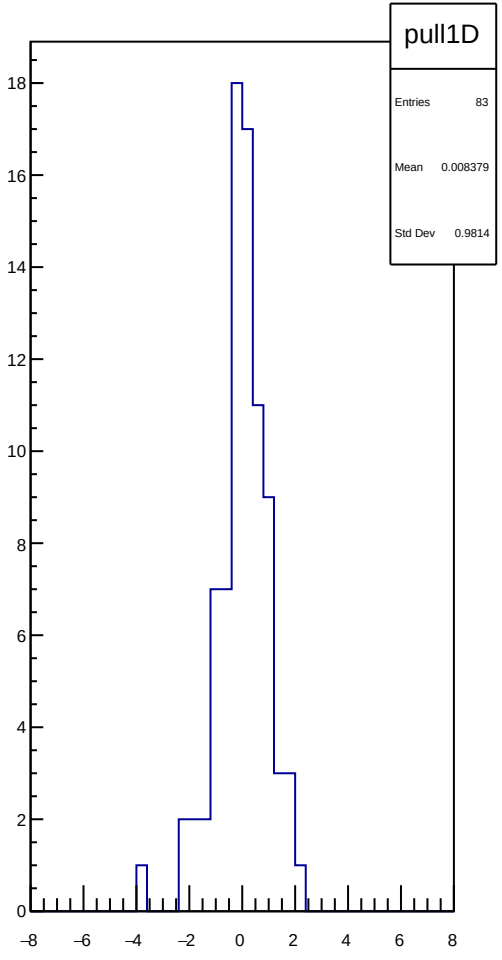



asym_sam8_cor_correction_mean vs run
χ² / ndf 65.09 / 82
p0 −180.9 ± 278.2
pull
Entries 83
Mean 98.29
Std Dev 0

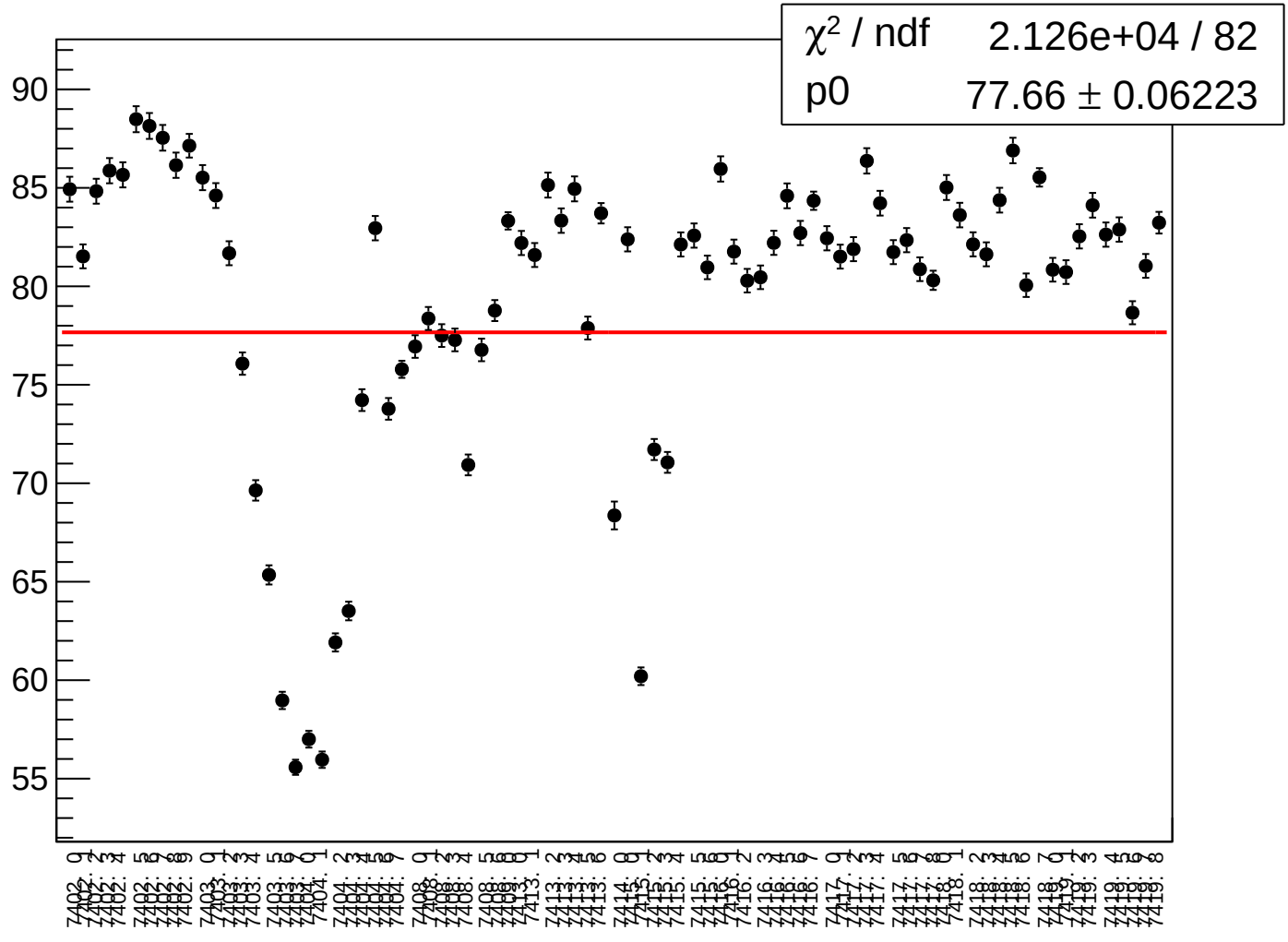

pull1D
Entries 83
Mean −0.02879
Std Dev 0.8851

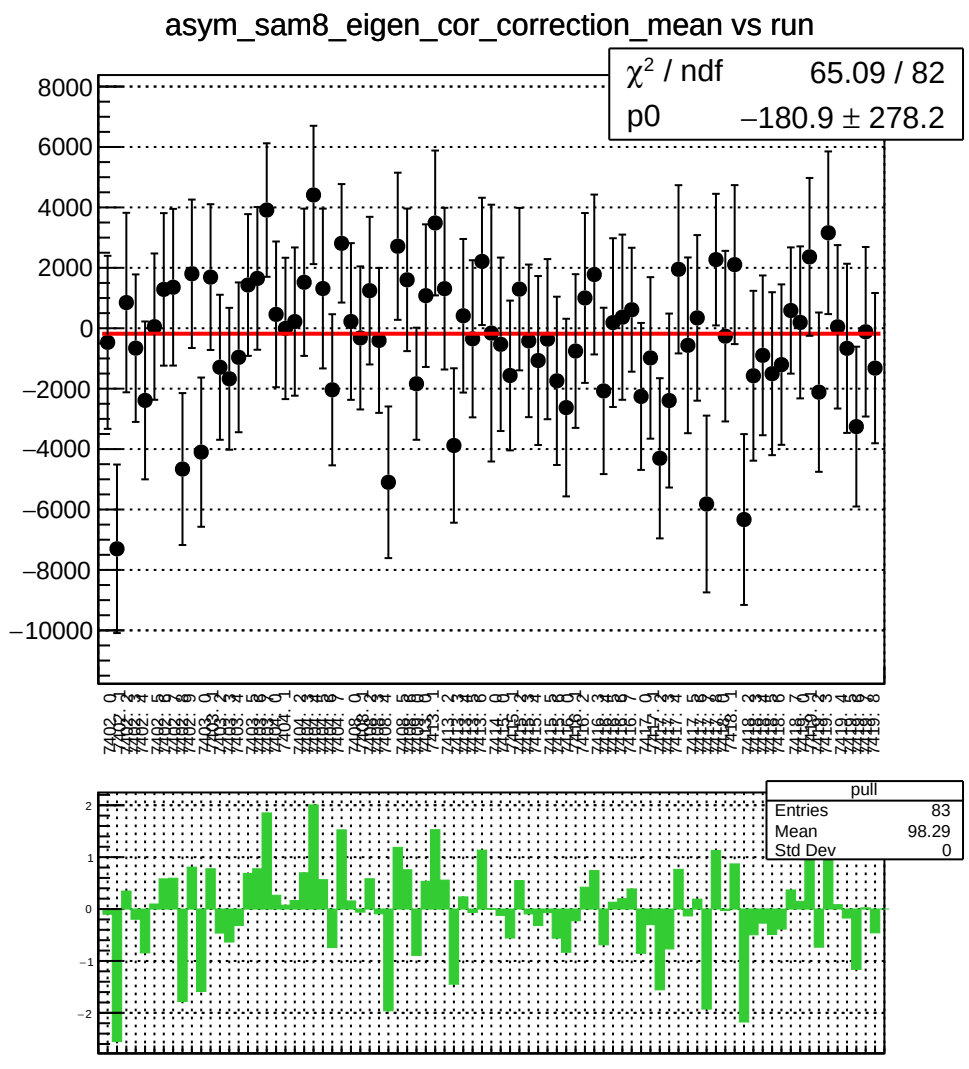

asym_sam8_cor_correction_rms vs run
χ² / ndf 6710 / 82
p0 246.7 ± 0.1967
300
290
280
270
260
250
240
230
220
210

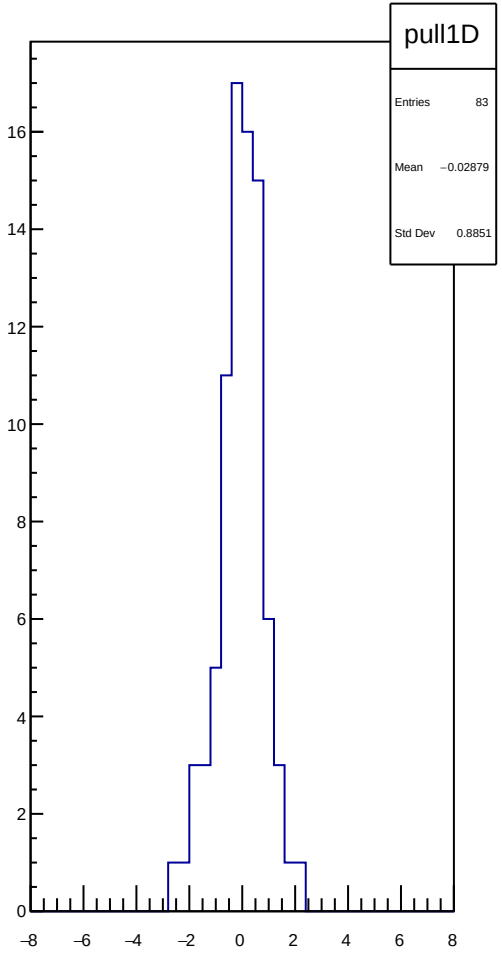

eigen_cor_asym_sam8_mean vs run
χ² / ndf 79.95 / 82
p0 −170.5 ± 88.01
pull
Entries 83
Mean 250.2
Std Dev 0

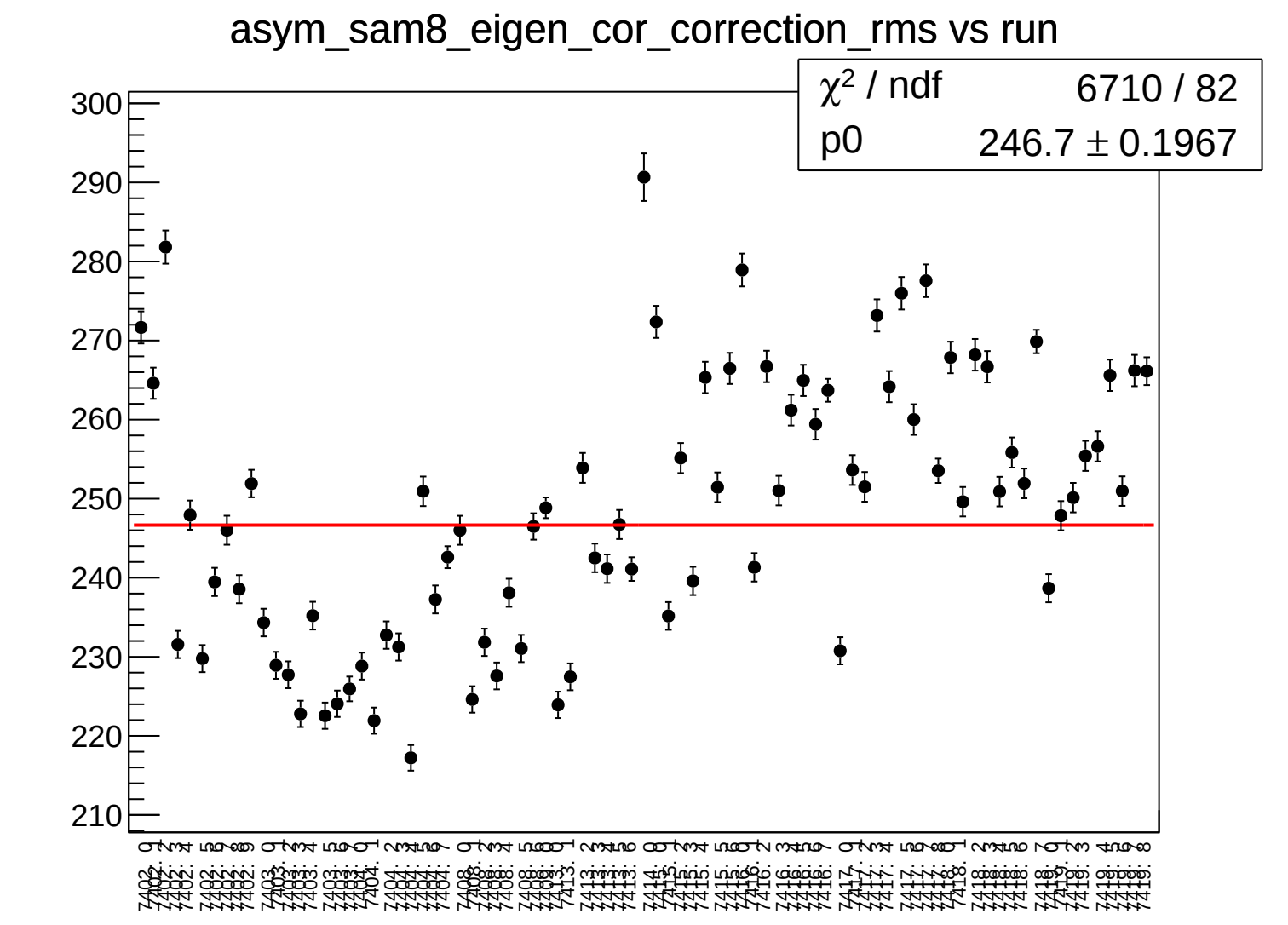

pull1D
Entries 83
Mean 0.008379
Std Dev 0.9814

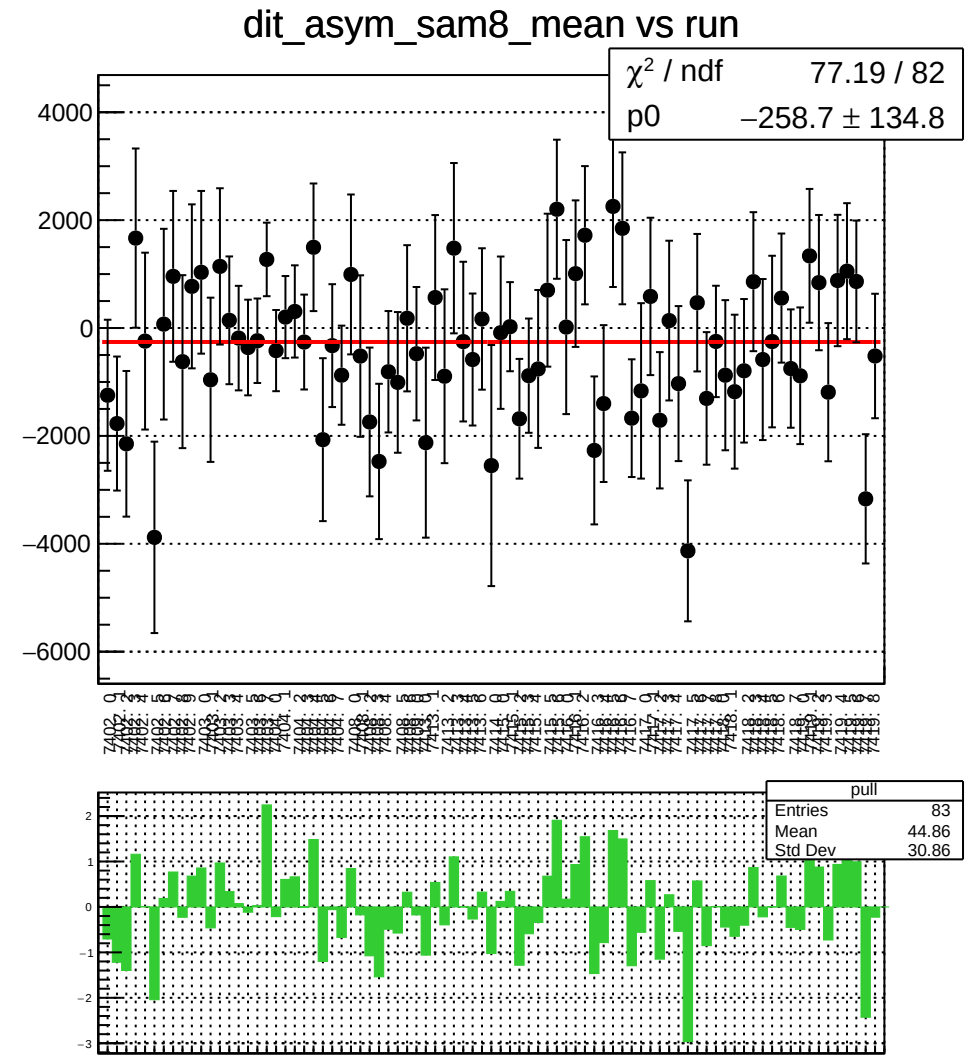
eigen_cor_asym_sam8_rms vs run

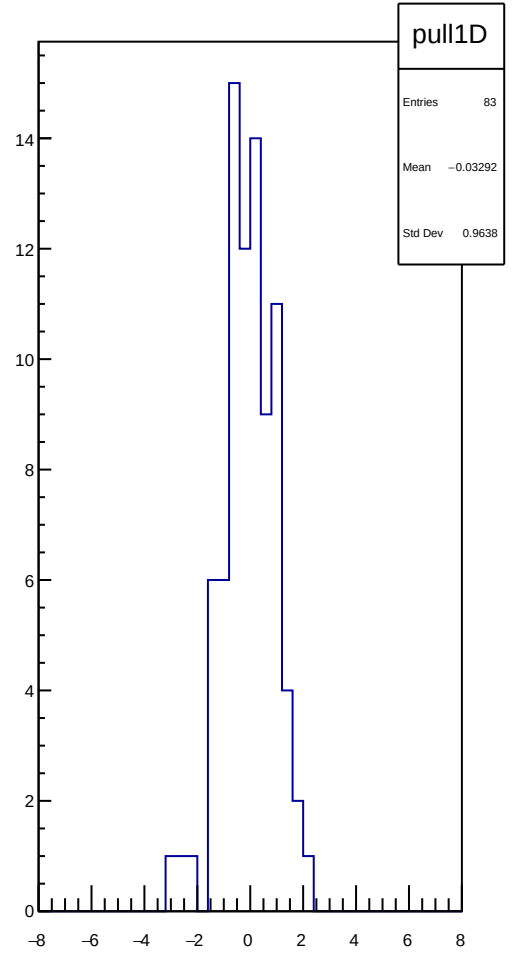


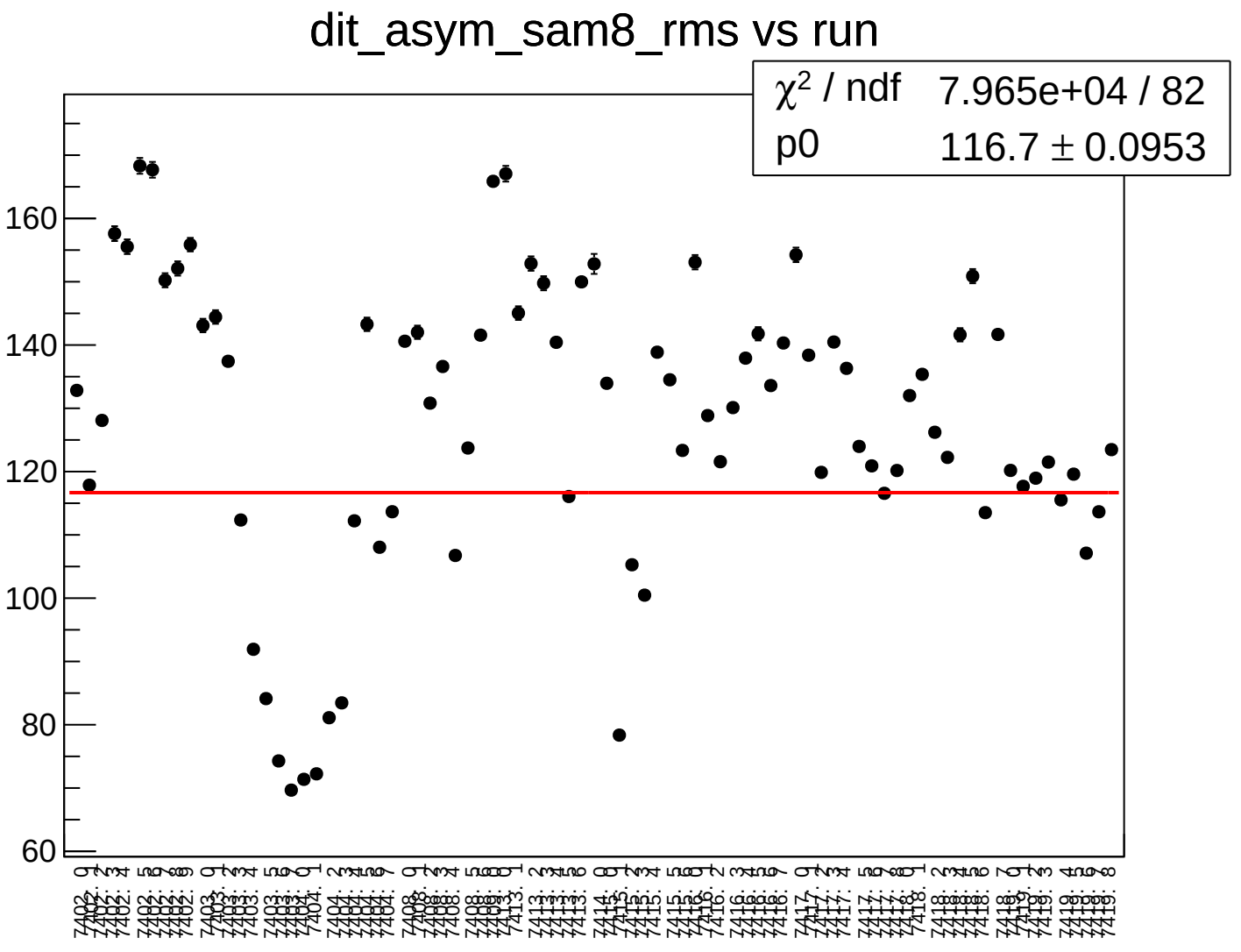

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 65.09 / 82
p0 −180.9 ± 278.2
pull
Entries 83
Mean 98.29
Std Dev 0

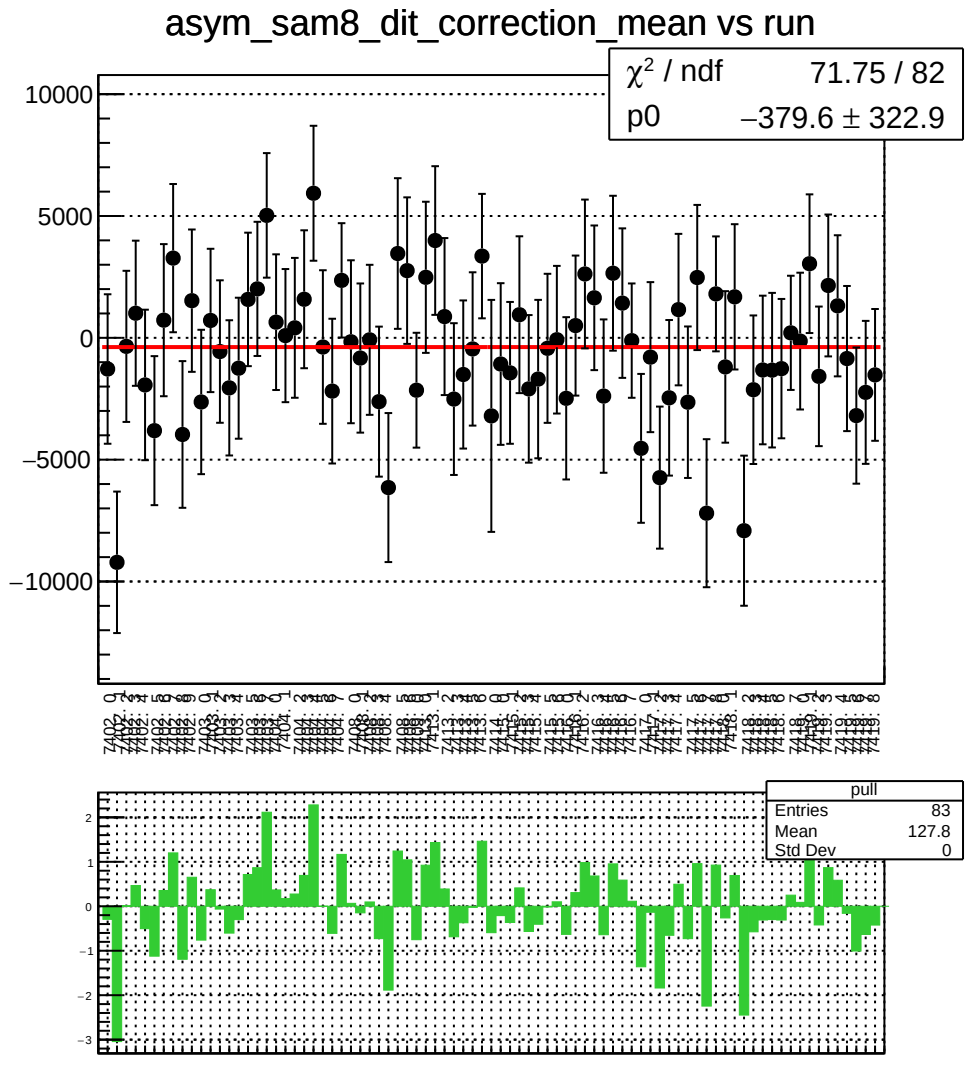

pull1D
Entries 83
Mean −0.02879
Std Dev 0.8851

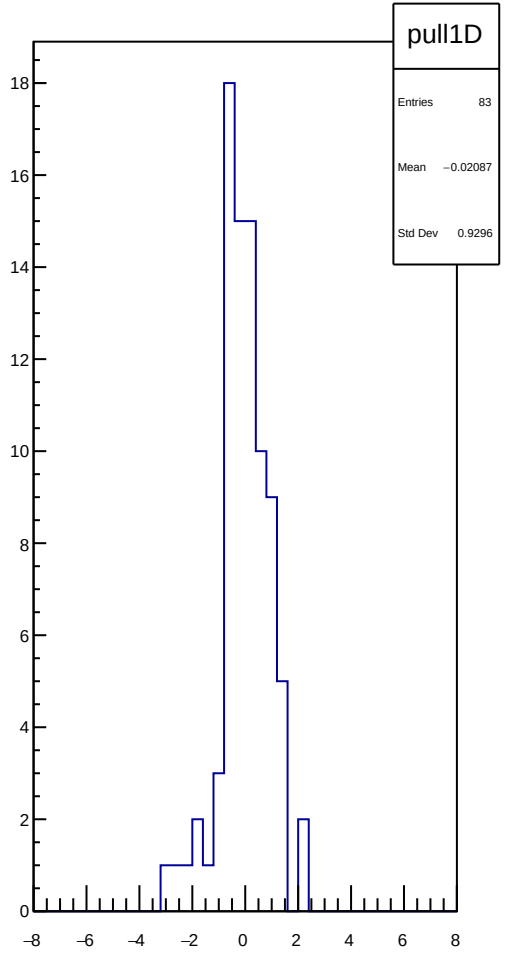

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 6710 / 82
p0 246.7 ± 0.1967
300
290
280
270
260
250
240
230
220
210

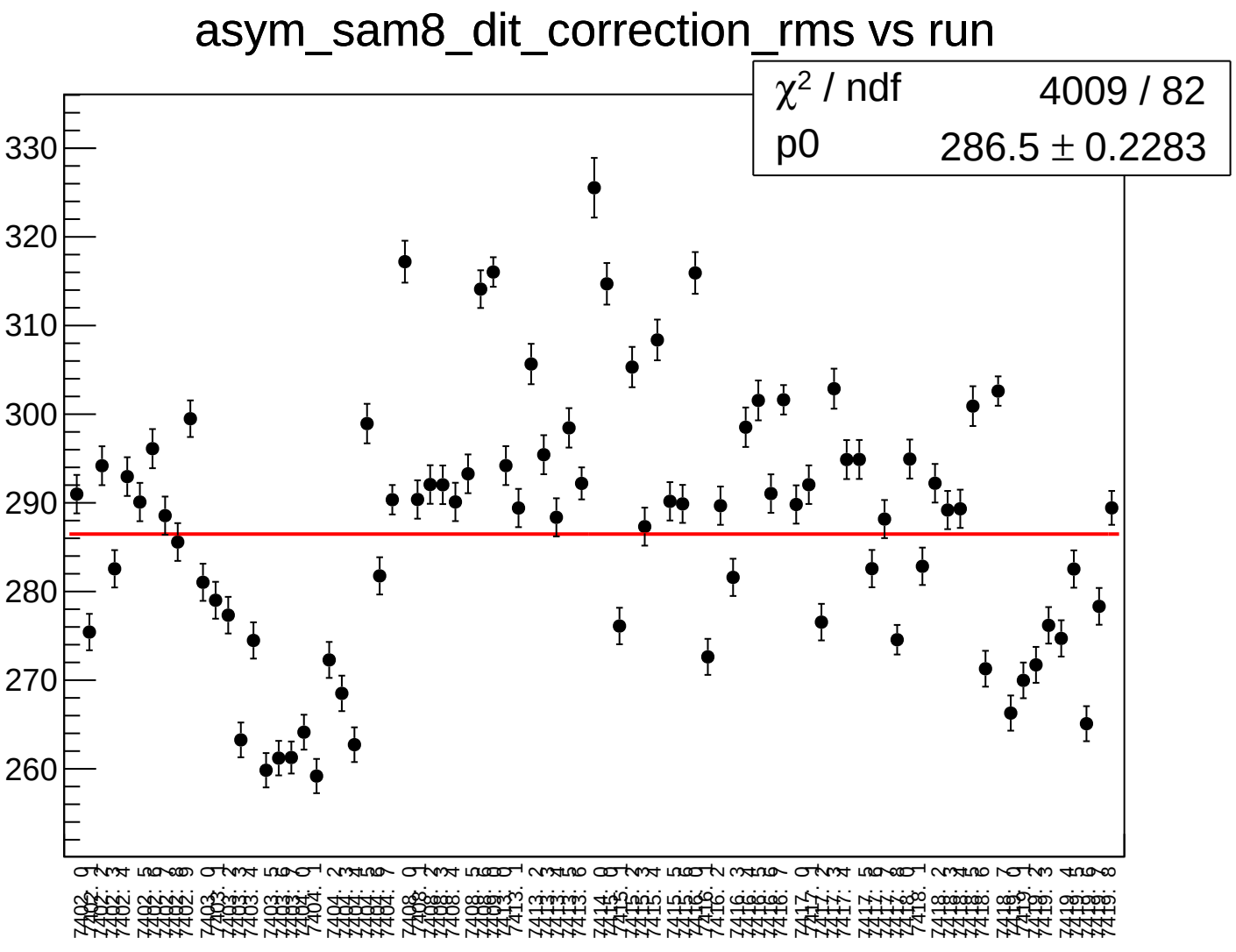

dit_asym_sam8_mean vs run
χ² / ndf 77.19 / 82
p0 −258.7 ± 134.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 44.86
Std Dev 30.86
2
1
0
−1
−2
−3

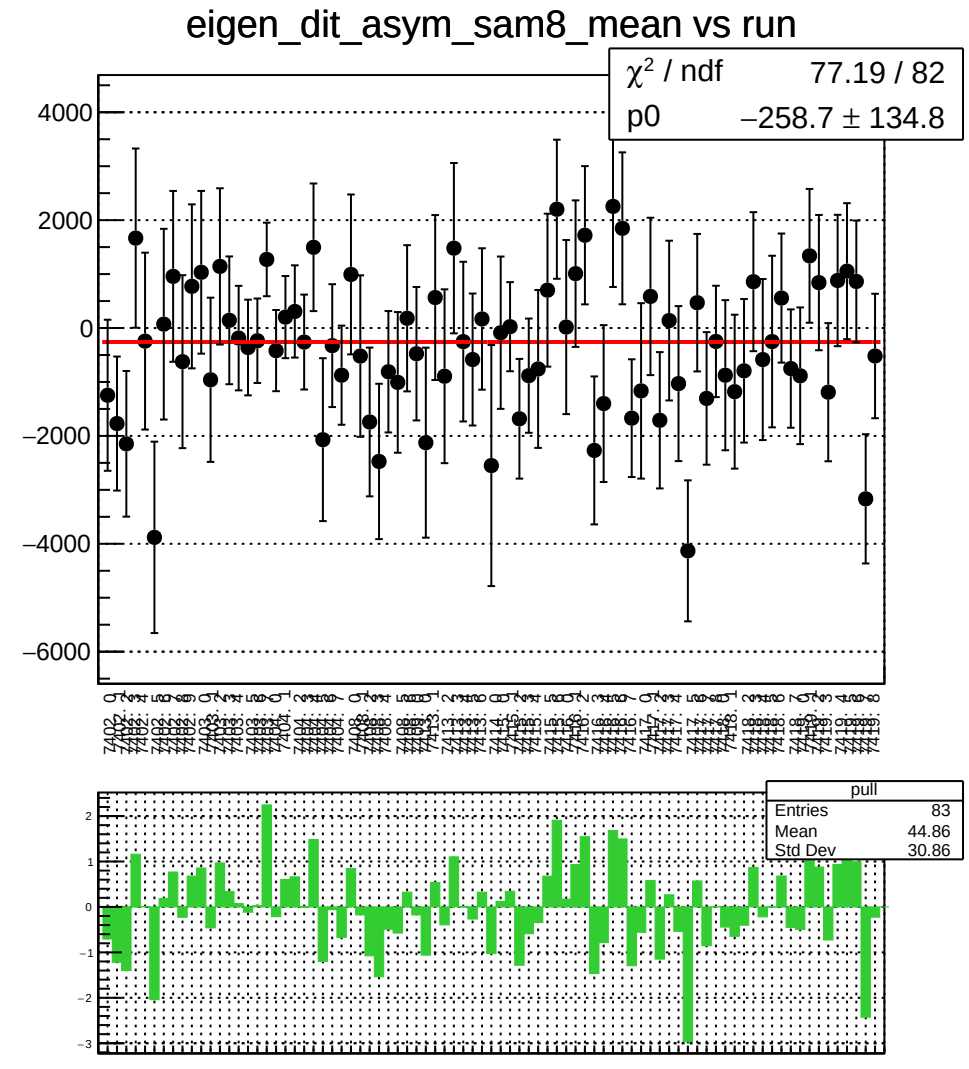

pull1D
Entries 83
Mean −0.03292
Std Dev 0.9638
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

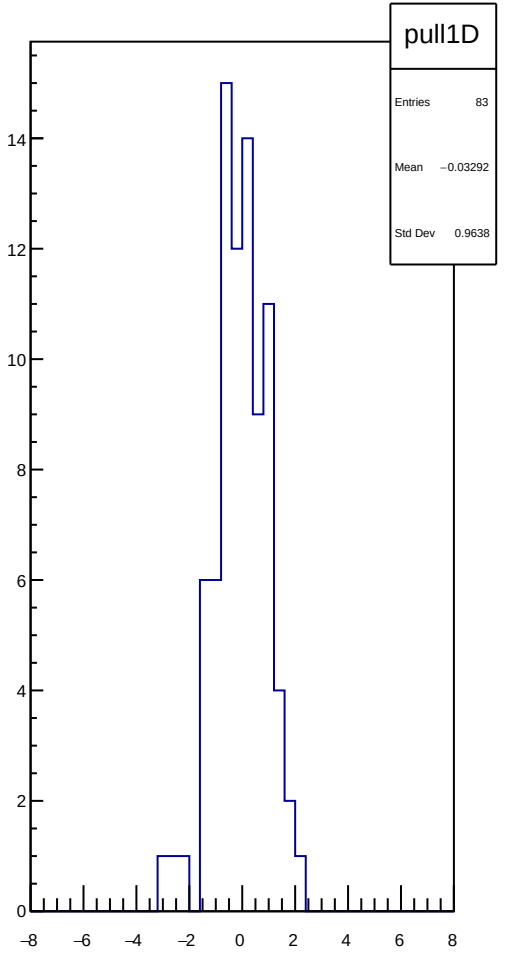

dit_asym_sam8_rms vs run
χ^2 / ndf 7.965e+04 / 82
p0 116.7 ± 0.0953
160
140
120
100
80
60

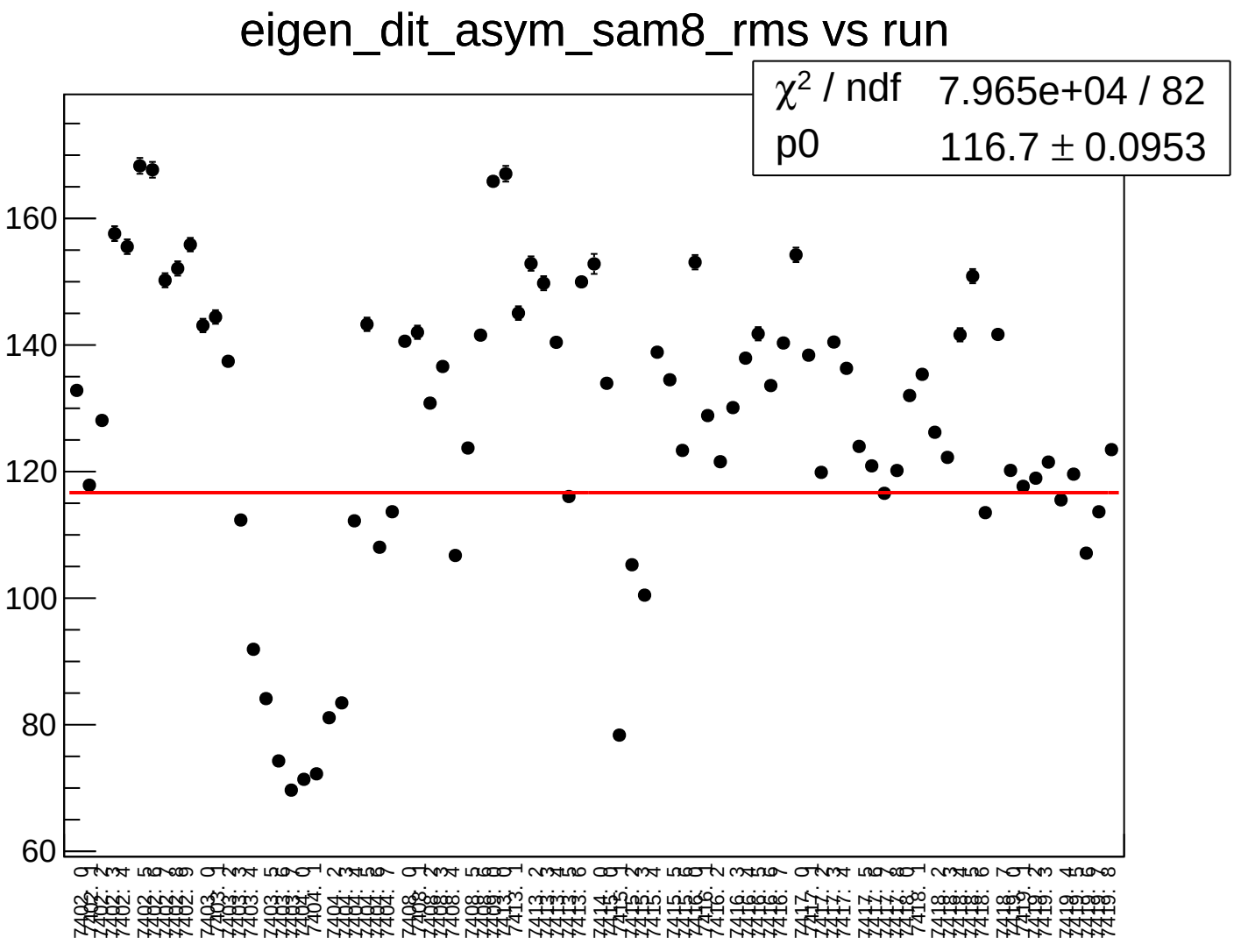

asym_sam8_dit_correction_mean vs run
χ² / ndf 71.75 / 82
p0 −379.6 ± 322.9
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 127.8
Std Dev 0
2
1
0
−1
−2
−3

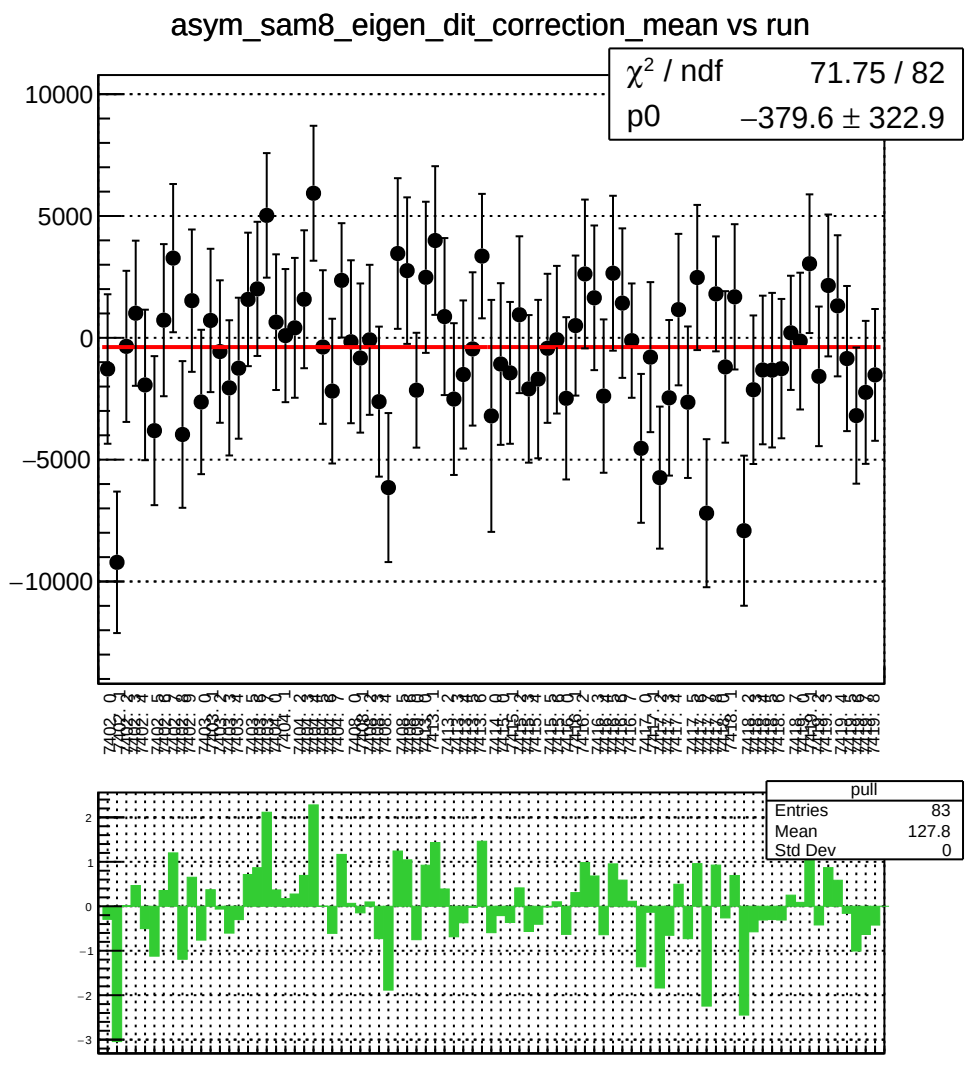

pull1D
Entries 83
Mean −0.02087
Std Dev 0.9296
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

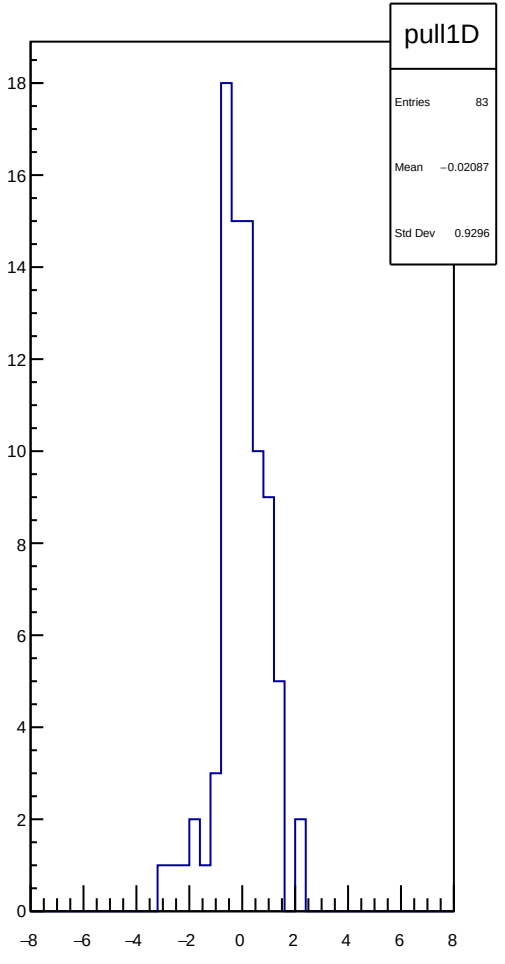

asym_sam8_dit_correction_rms vs run
χ² / ndf 4009 / 82
p0 286.5 ± 0.2283
330
320
310
300
290
280
270
260

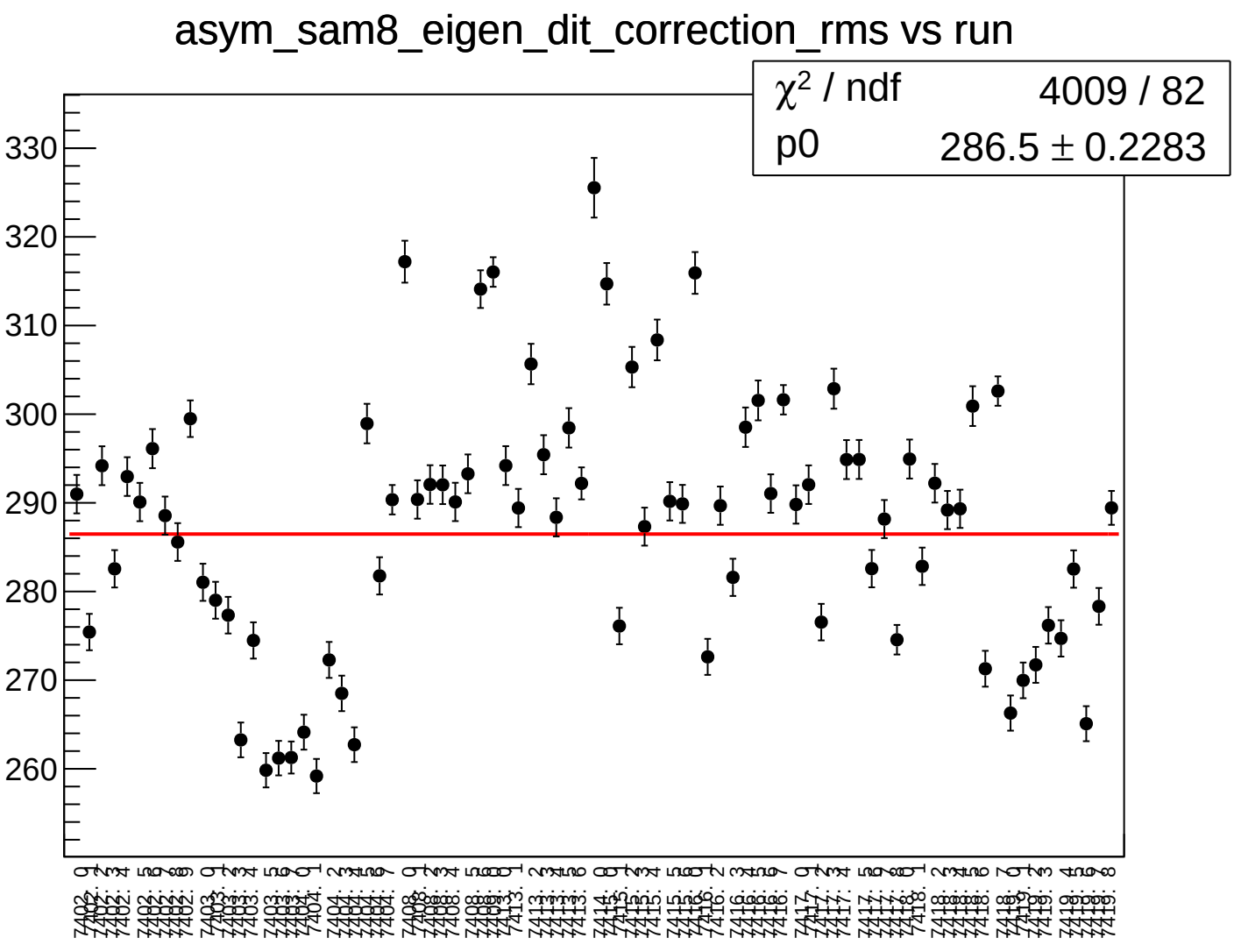

eigen_dit_asym_sam8_mean vs run
χ² / ndf 77.19 / 82
p0 −258.7 ± 134.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 44.86
Std Dev 30.86
2
1
0
−1
−2
−3

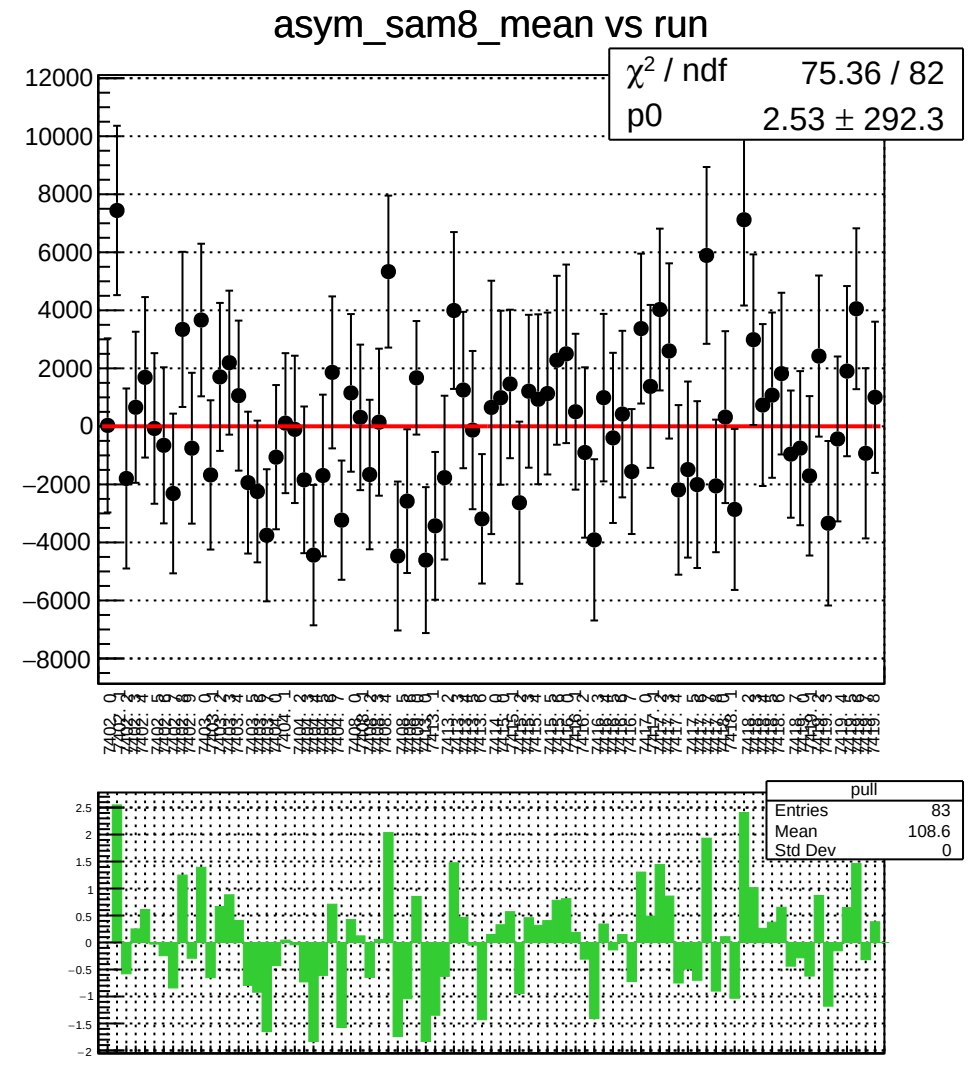

pull1D
Entries 83
Mean −0.03292
Std Dev 0.9638
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

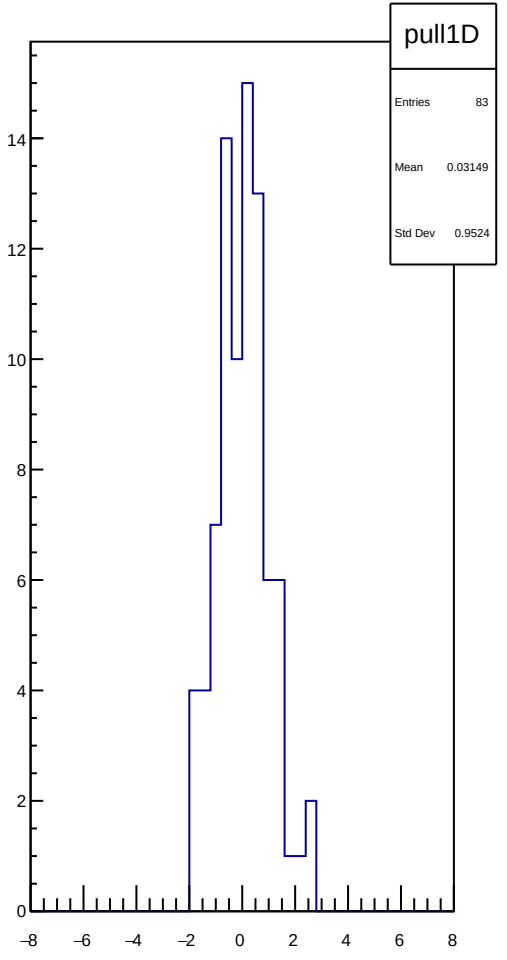

eigen_dit_asym_sam8_rms vs run
χ² / ndf 7.965e+04 / 82
p0 116.7 ± 0.0953
160
140
120
100
80
60

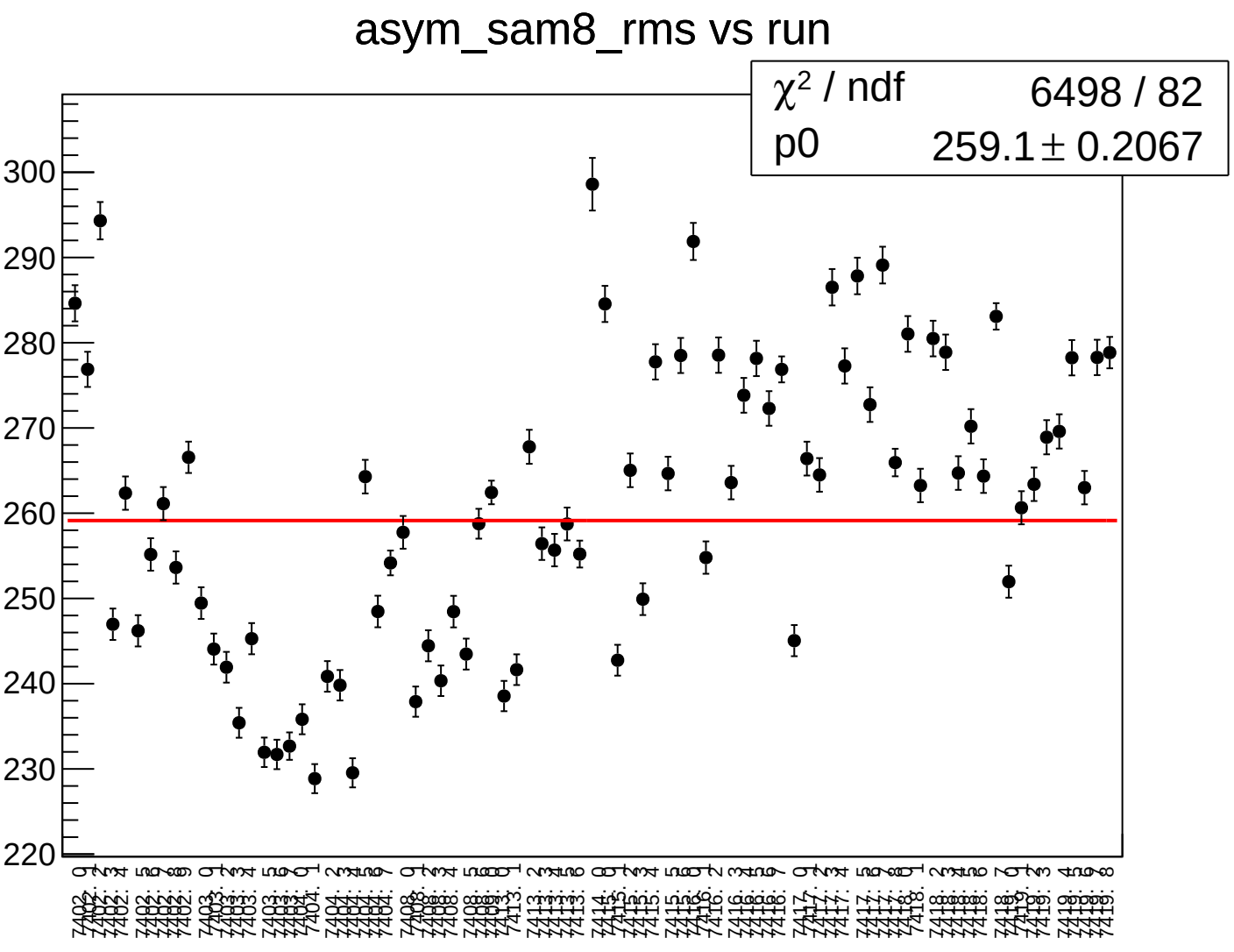

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 71.75 / 82
p0 −379.6 ± 322.9
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 127.8
Std Dev 0
2
1
0
−1
−2
−3

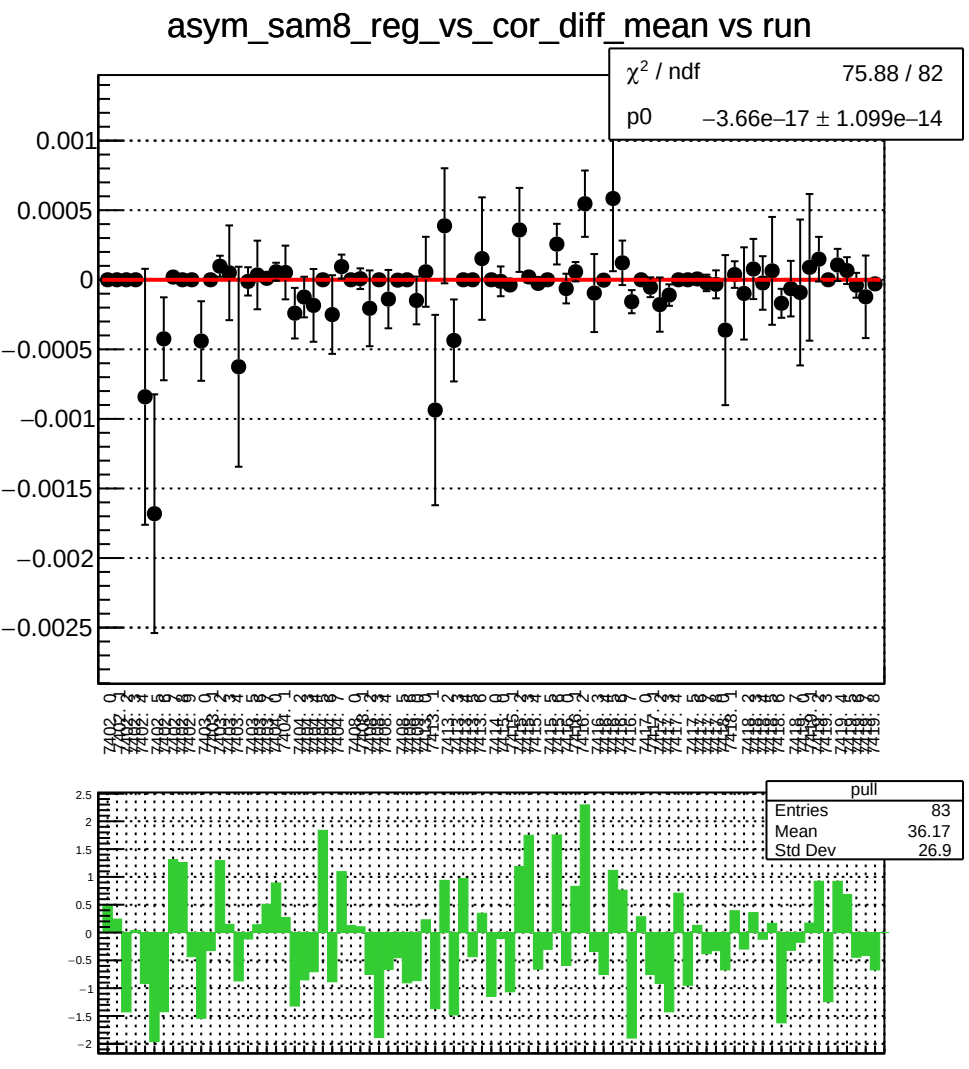

pull1D
Entries 83
Mean −0.02087
Std Dev 0.9296
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

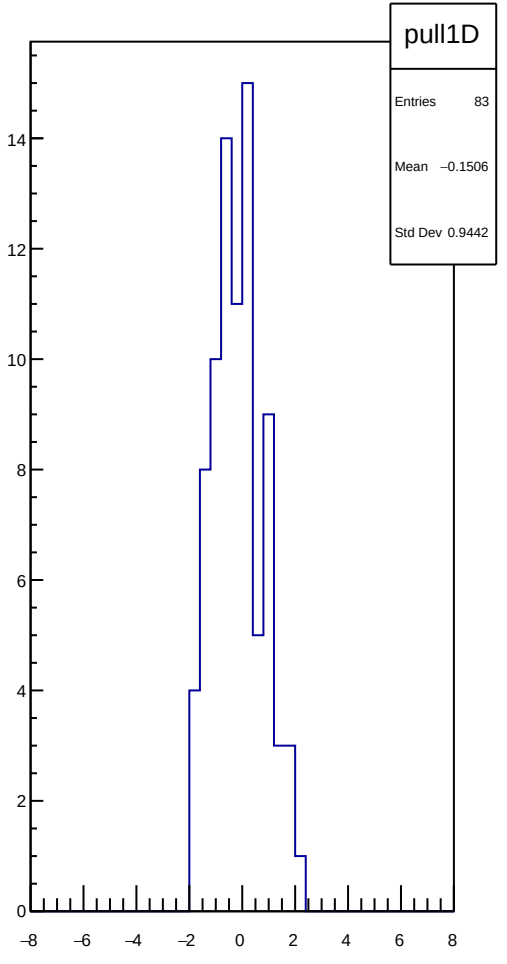

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 4009 / 82
p0 286.5 ± 0.2283
330
320
310
300
290
280
270
260

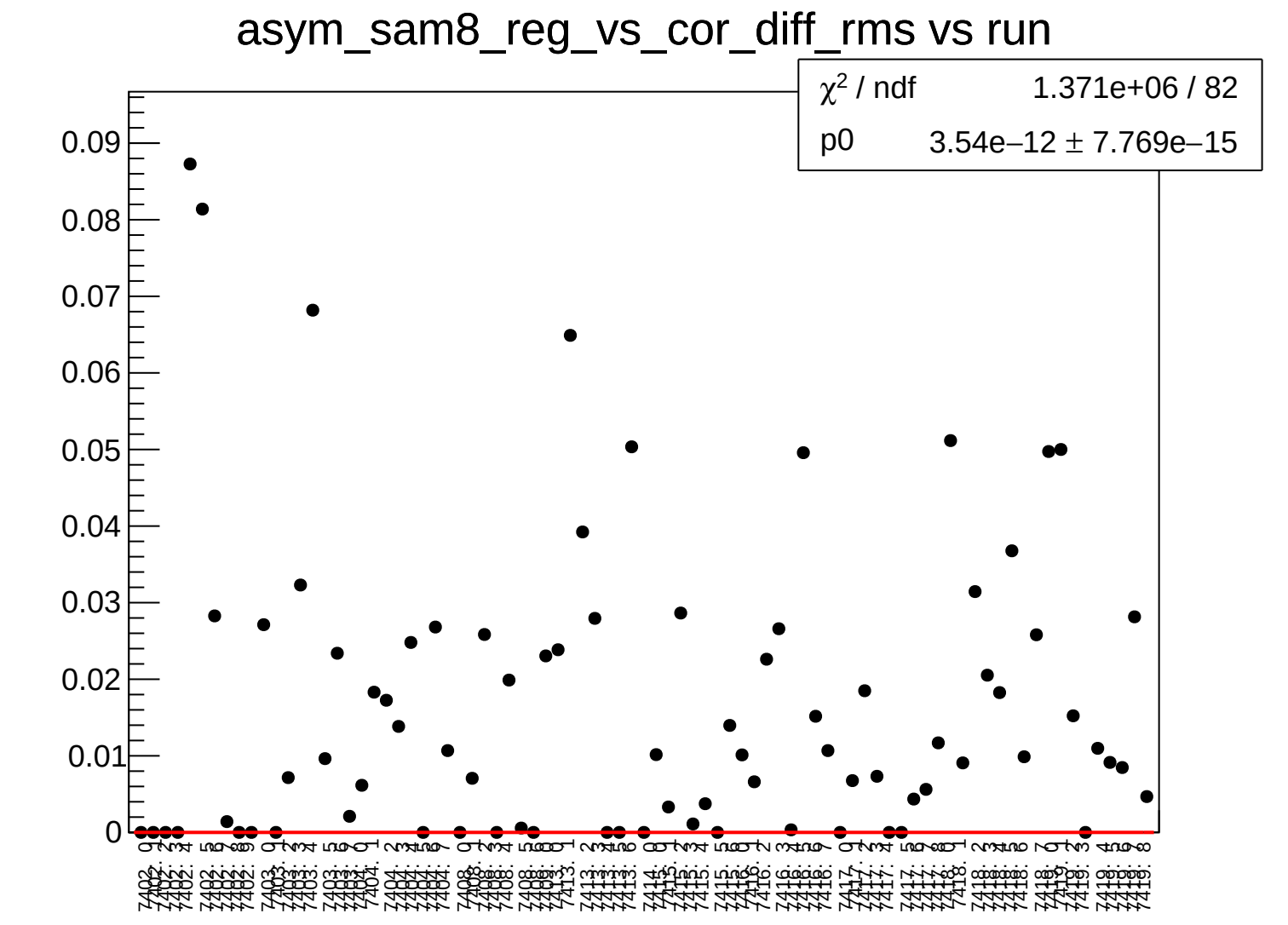

asym_sam8_mean vs run
χ² / ndf 75.36 / 82
p0 2.53 ± 292.3
pull
Entries 83
Mean 108.6
Std Dev 0

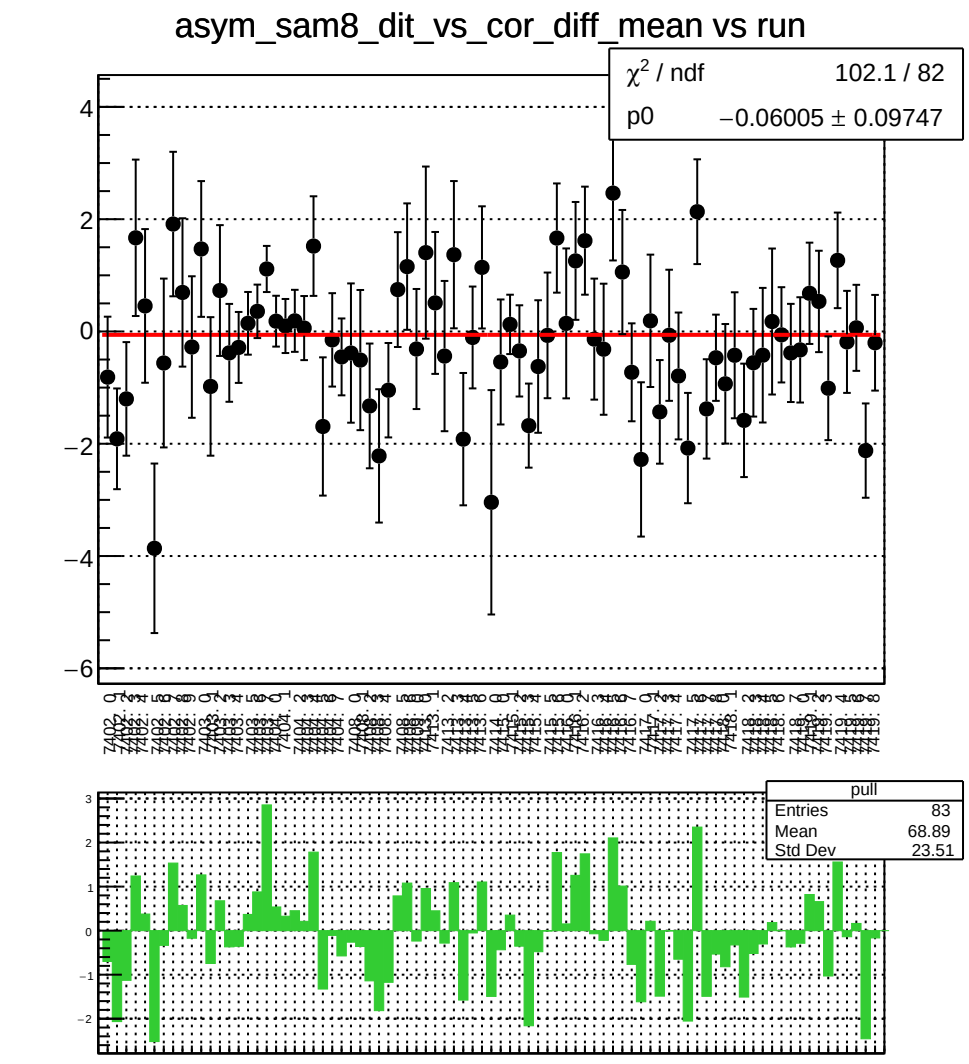

pull1D
Entries 83
Mean 0.03149
Std Dev 0.9524

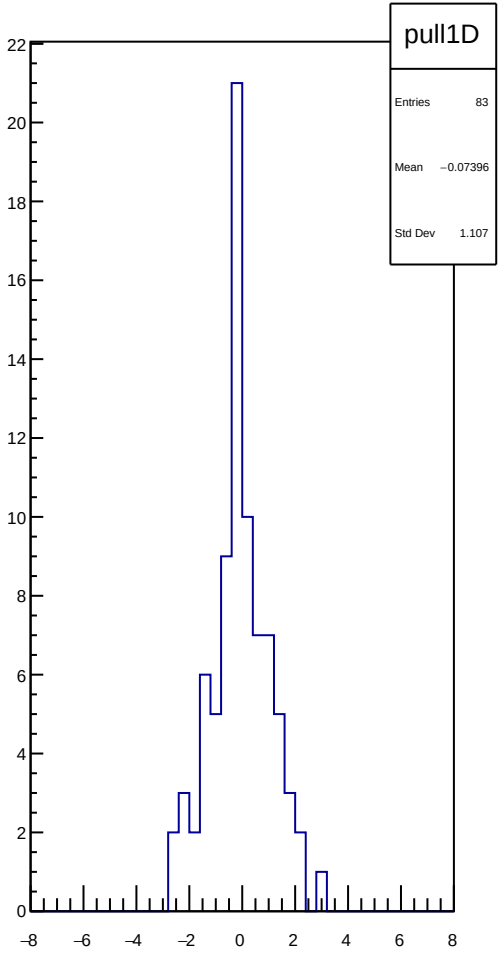

asym_sam8_rms vs run
χ² / ndf 6498 / 82
p0 259.1 ± 0.2067
300
290
280
270
260
250
240
230
220

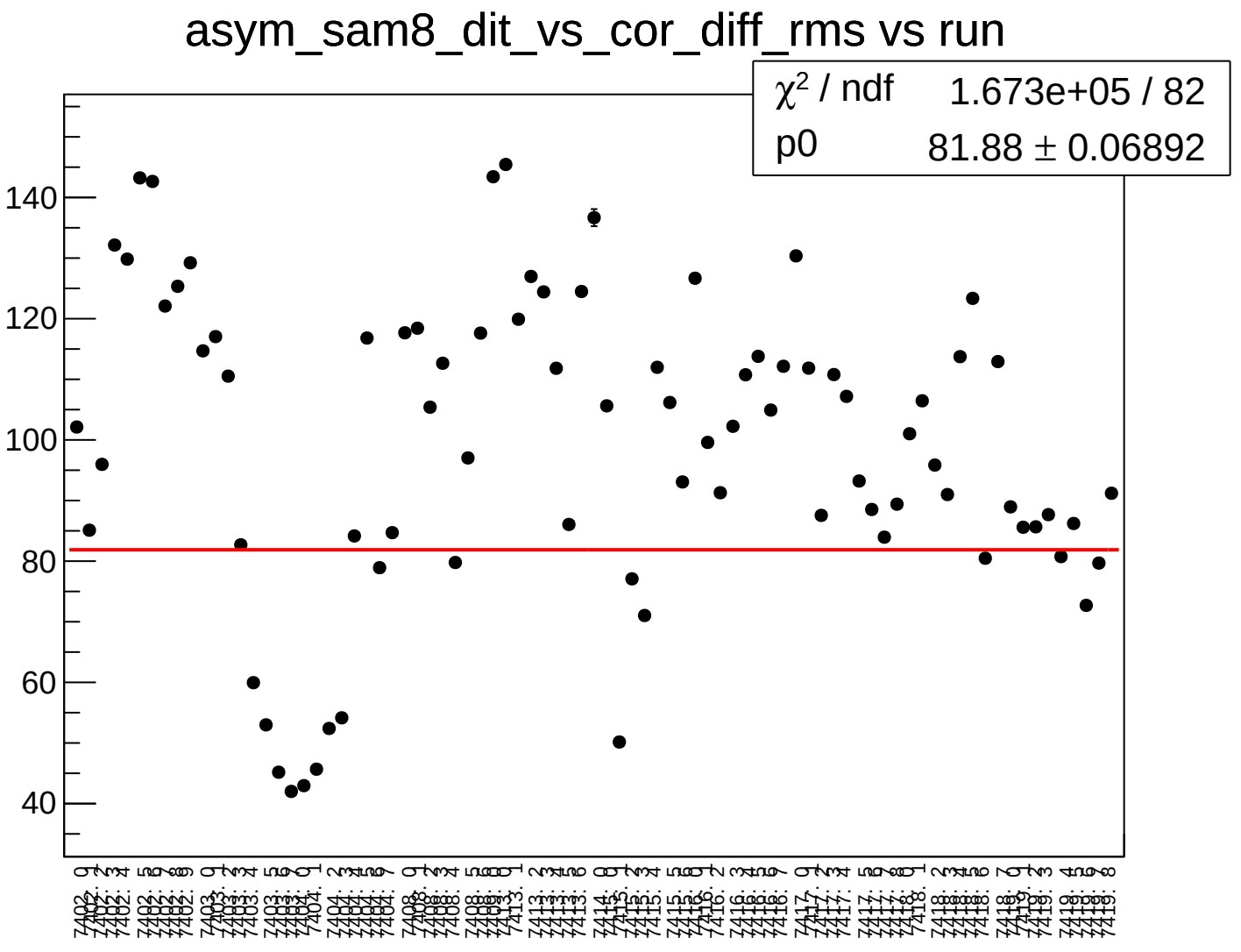

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 75.88 / 82
p0 −3.66e−17 ± 1.099e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 83
Mean 36.17
Std Dev 26.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

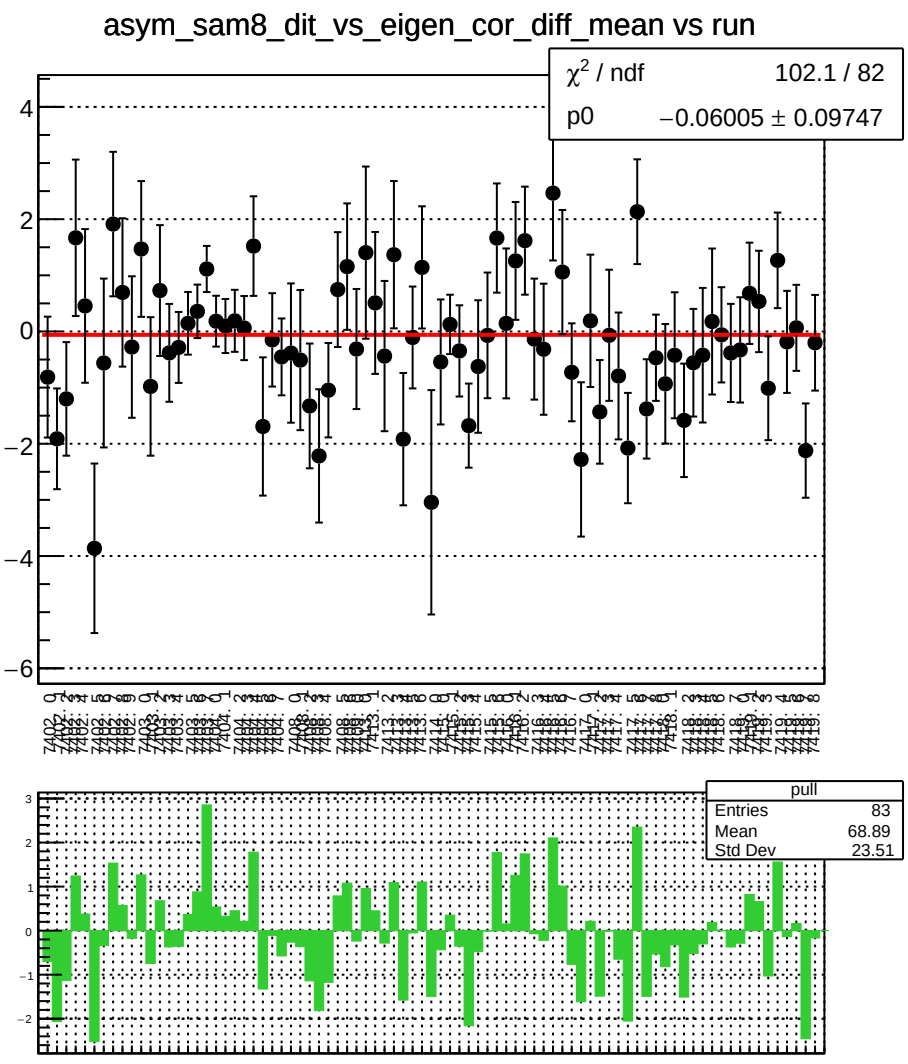

pull1D
Entries 83
Mean −0.1506
Std Dev 0.9442
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

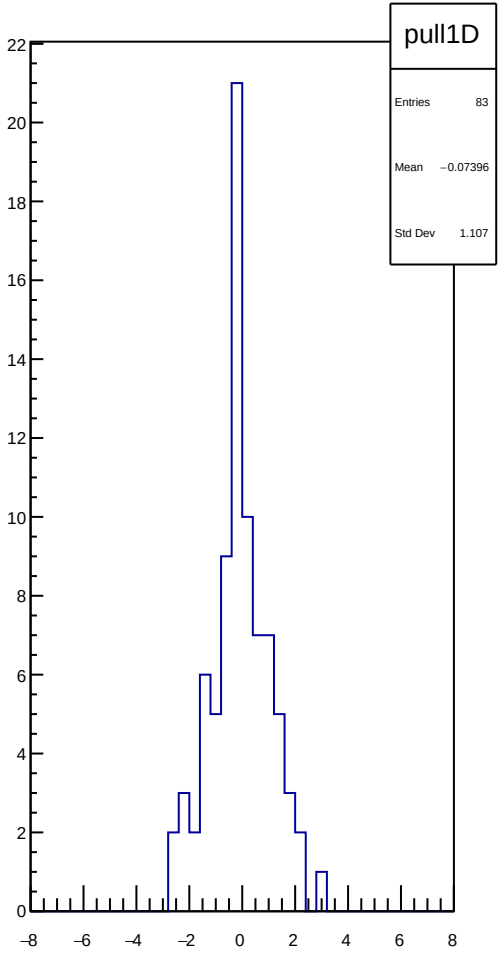

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 1.371e+06 / 82
p0 3.54e−12 ± 7.769e−15
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

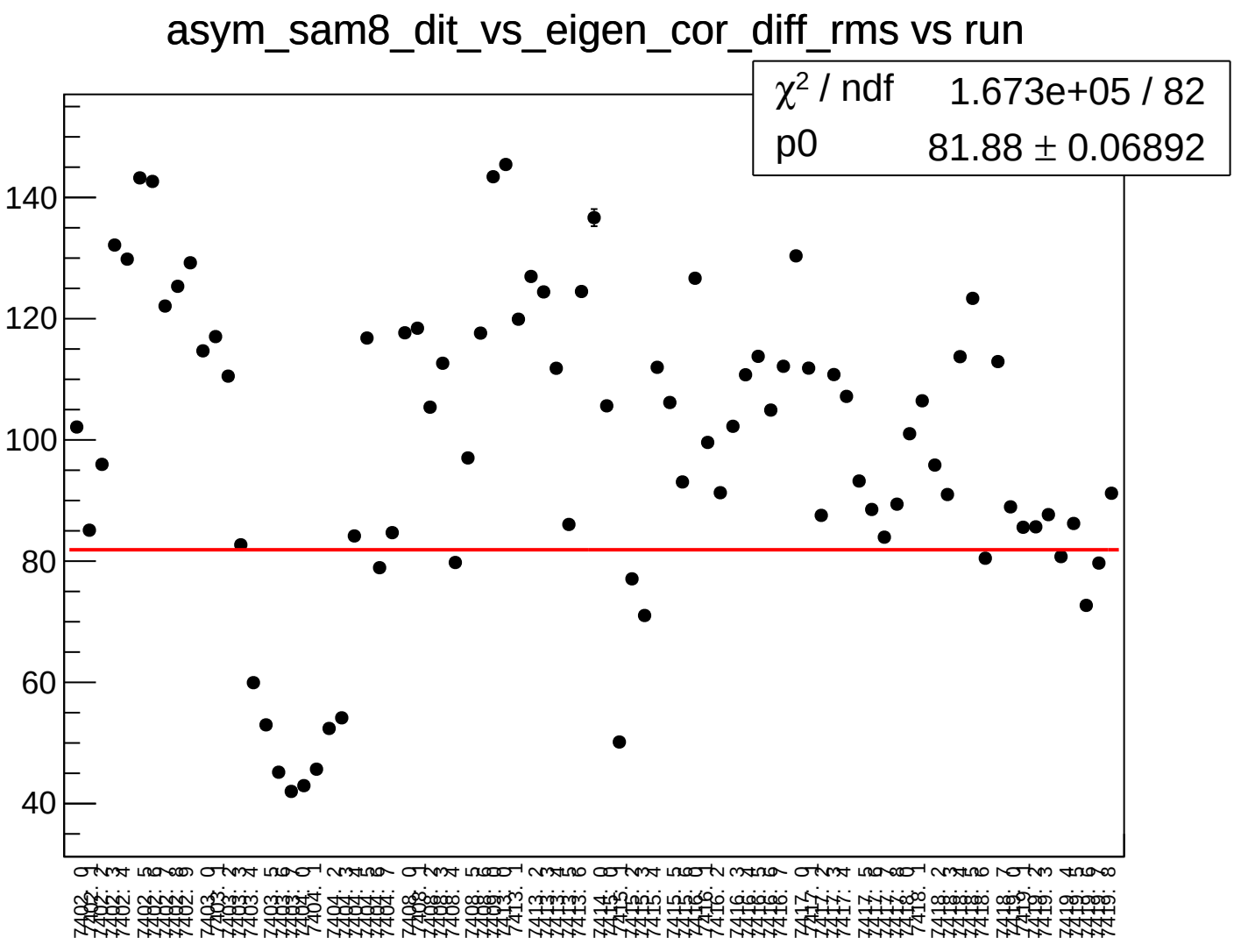

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 102.1 / 82
p0 −0.06005 ± 0.09747
pull
Entries 83
Mean 68.89
Std Dev 23.51

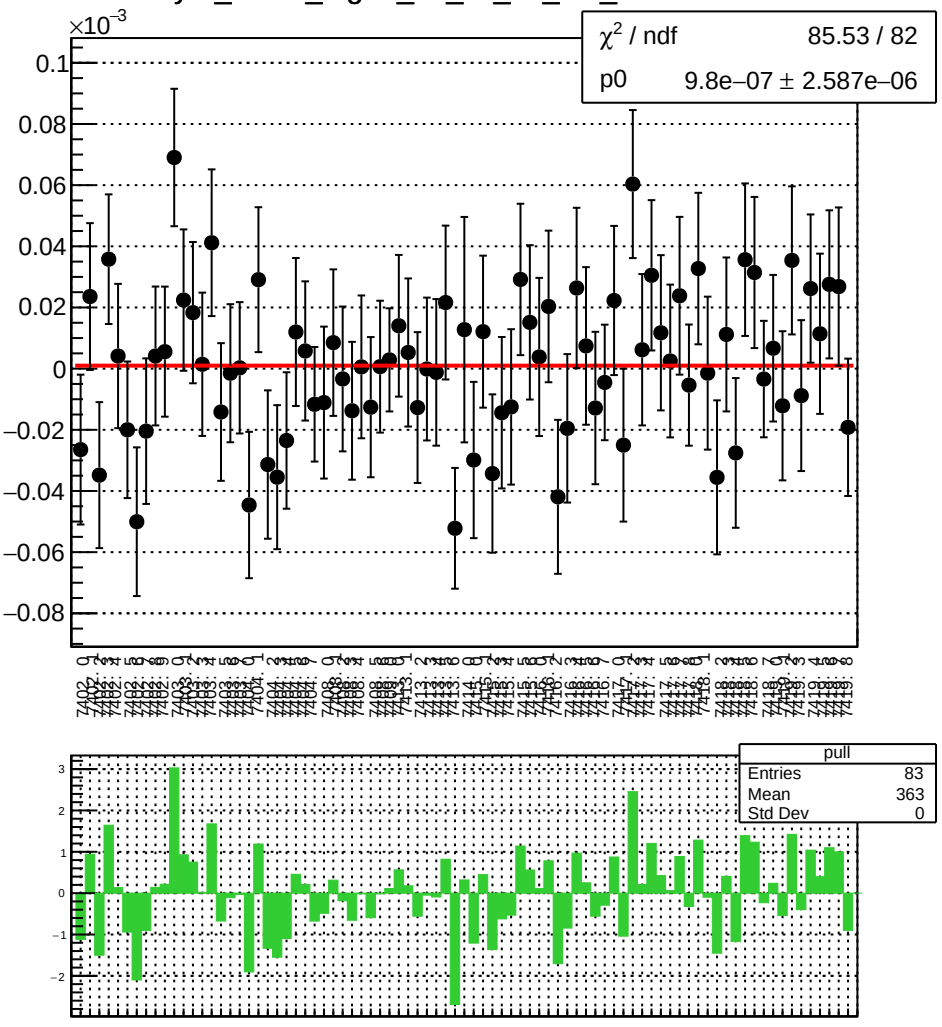

pull1D
Entries 83
Mean −0.07396
Std Dev 1.107

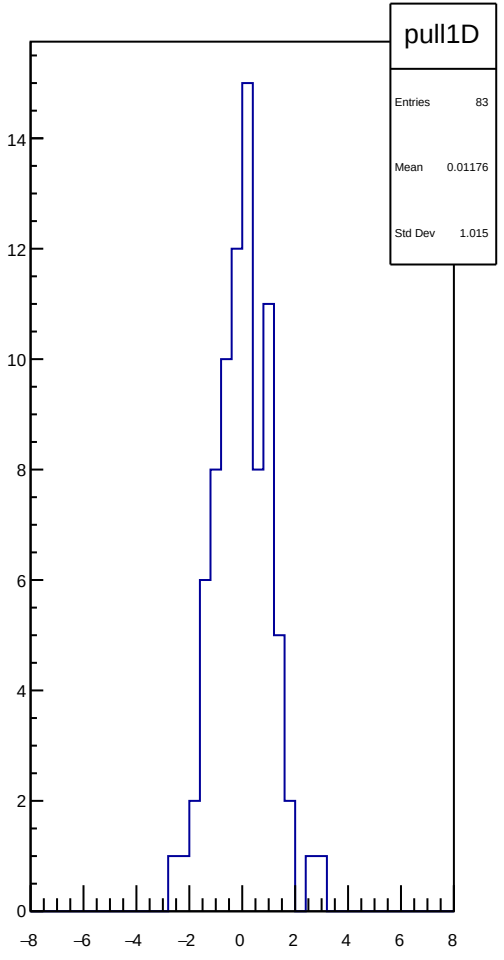

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 82
p0 81.88 ± 0.06892
140
120
100
80
60
40

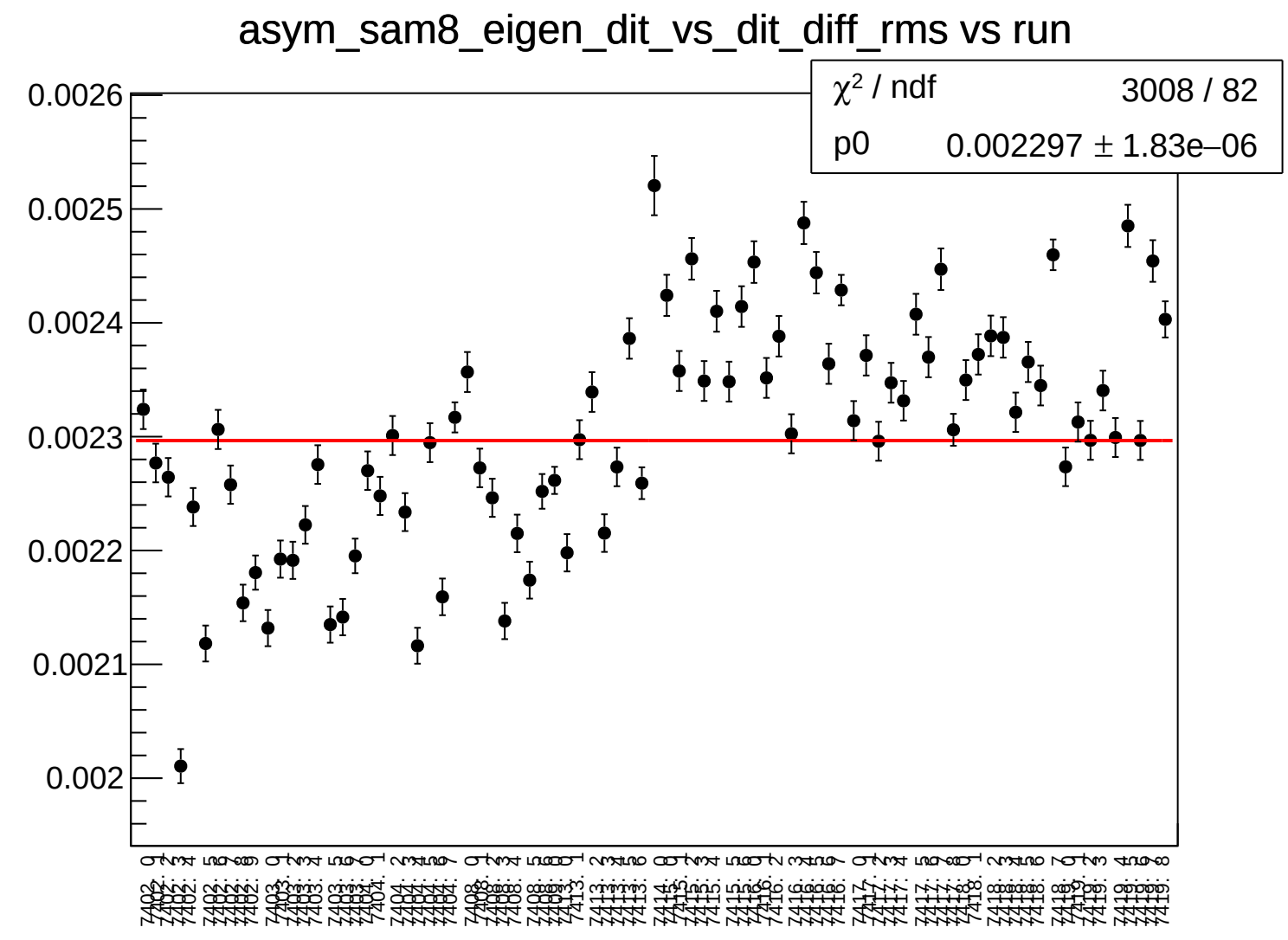

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.1 / 82
p0 −0.06005 ± 0.09747
pull
Entries 83
Mean 68.89
Std Dev 23.51

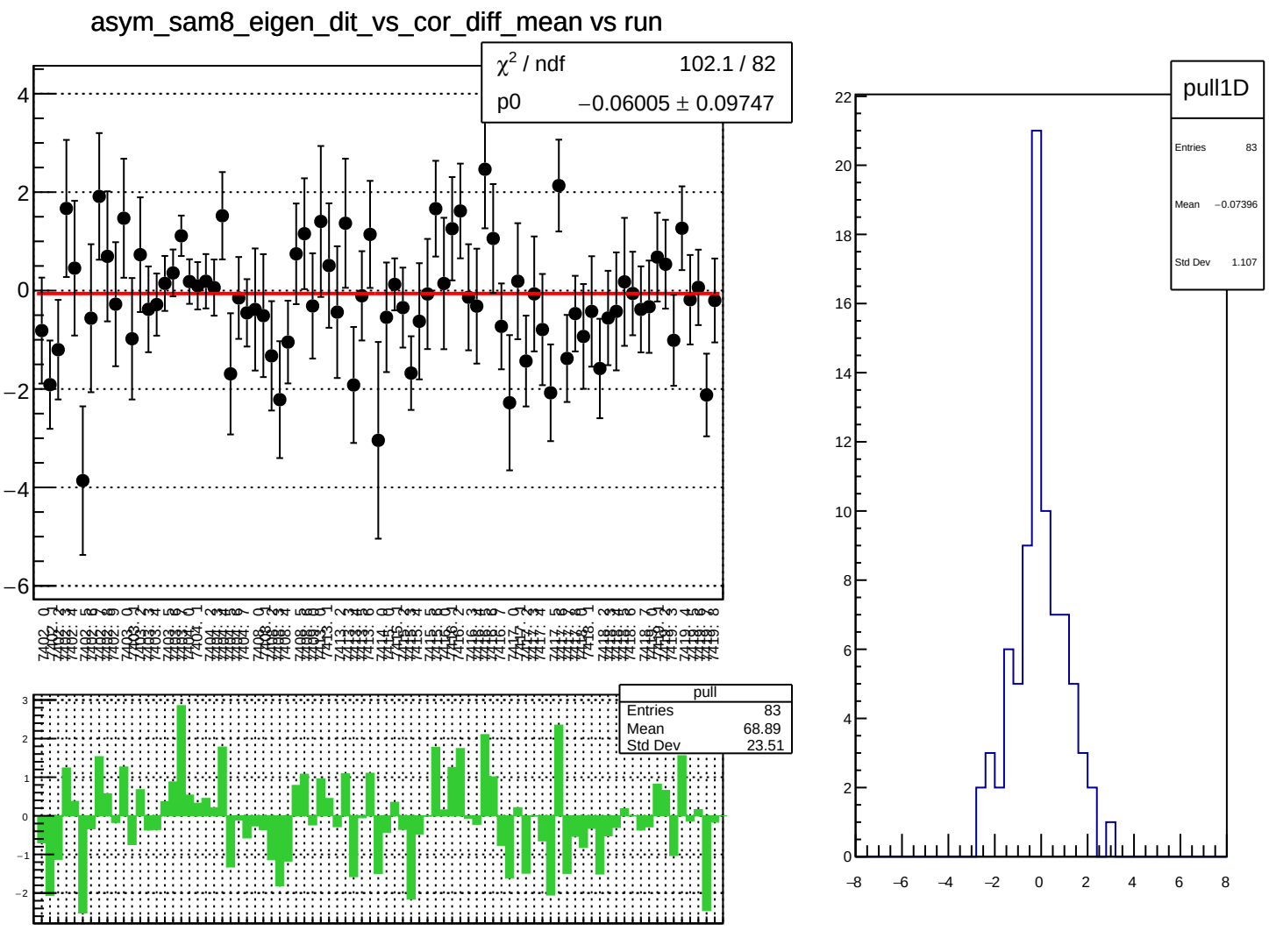

pull1D
Entries 83
Mean −0.07396
Std Dev 1.107

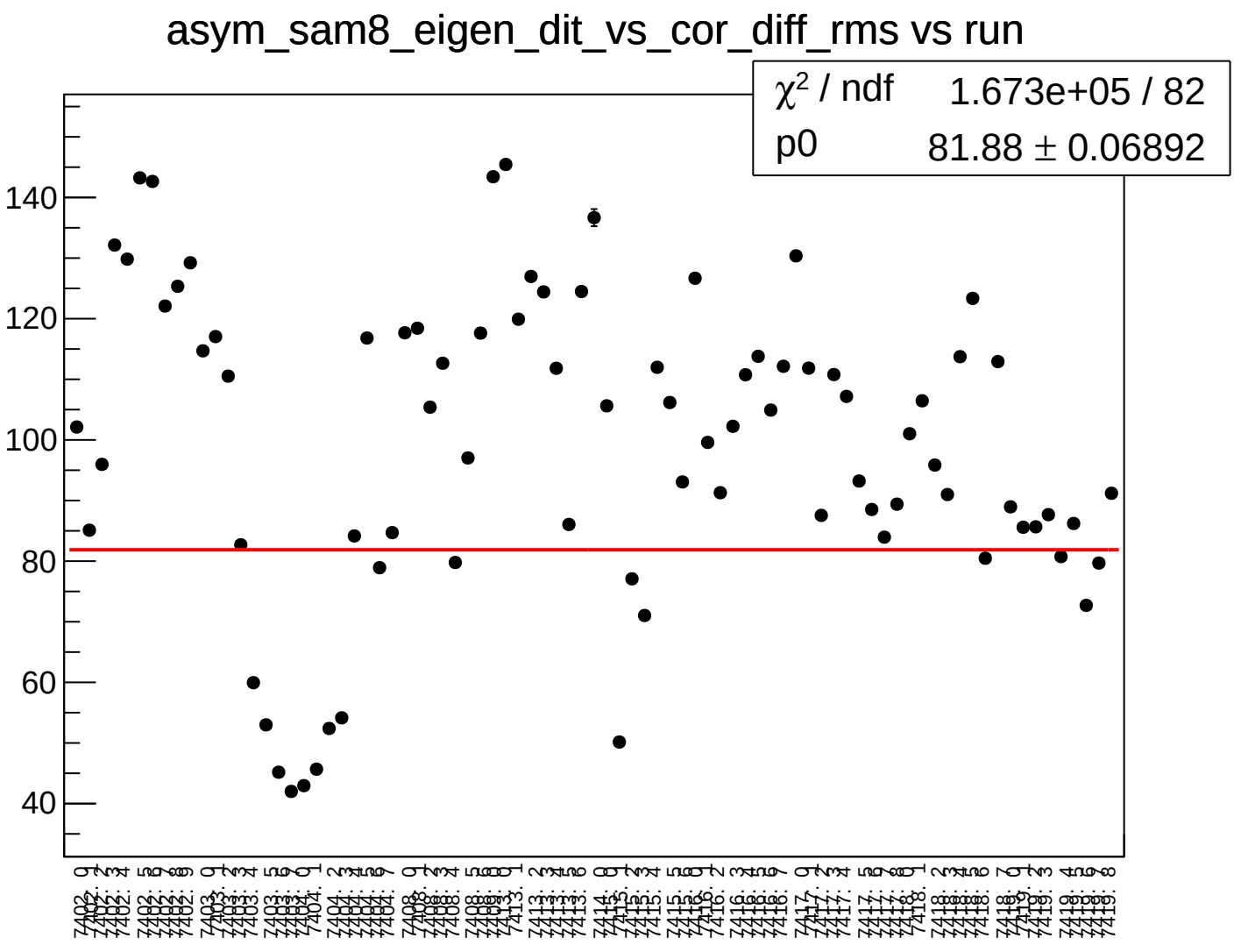

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 82
p0 81.88 ± 0.06892
140
120
100
80
60
40

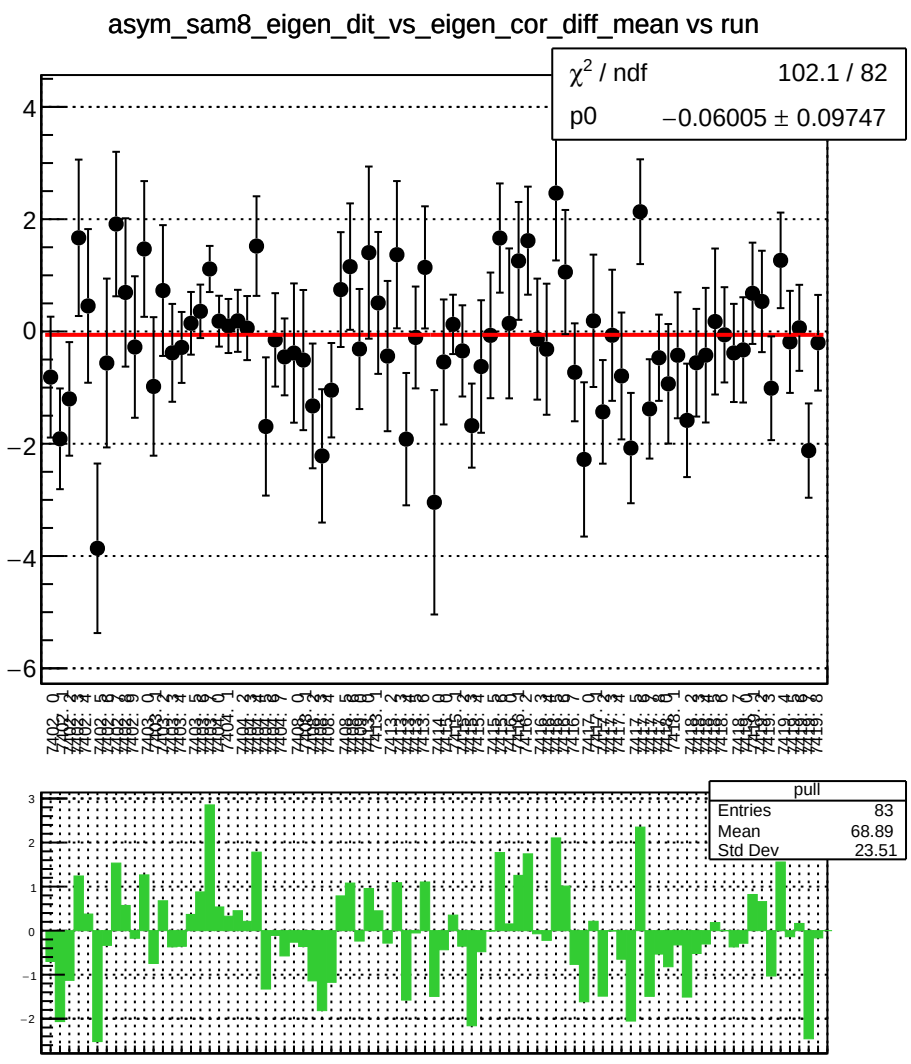

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.53 / 82
p0 9.8e−07 ± 2.587e−06
pull
Entries 83
Mean 363
Std Dev 0

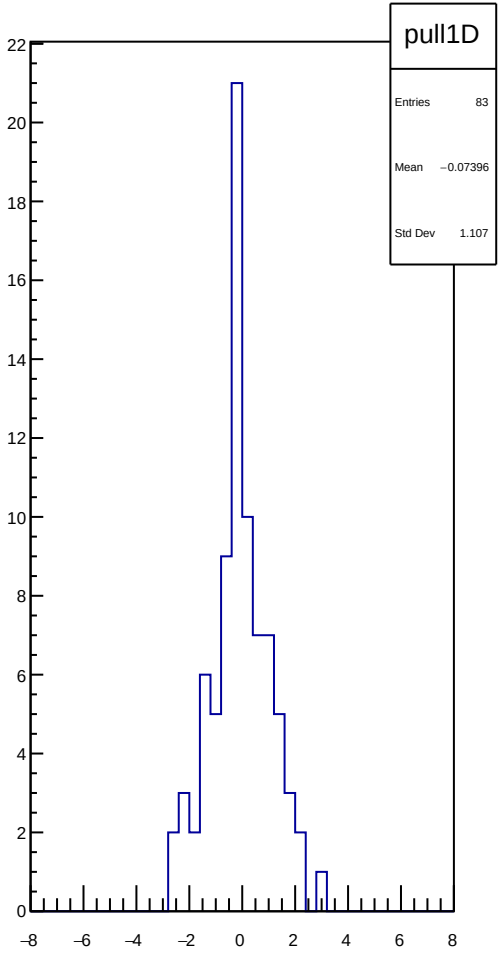

pull1D
Entries 83
Mean 0.01176
Std Dev 1.015

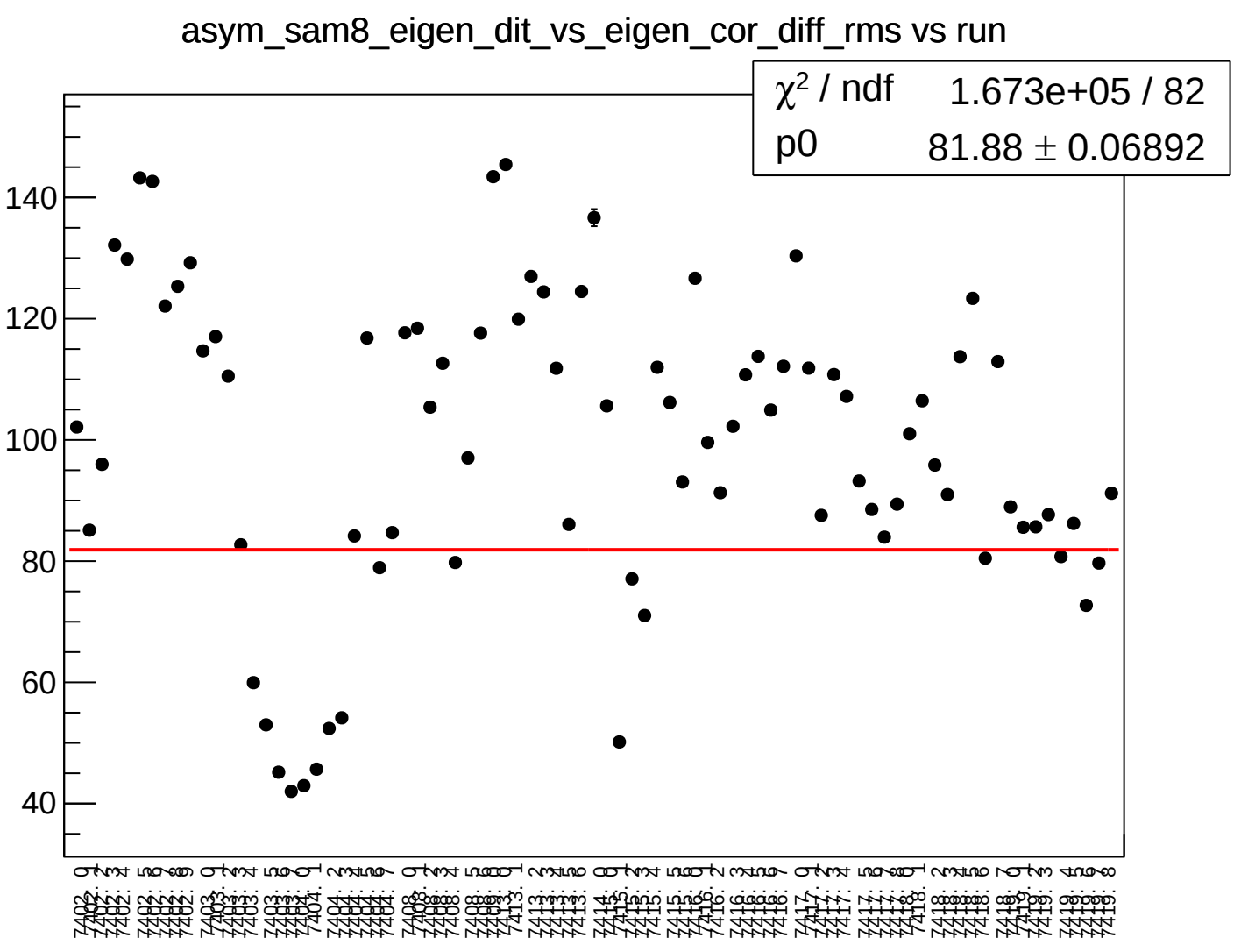

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3008 / 82
p0 0.002297 ± 1.83e−06
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

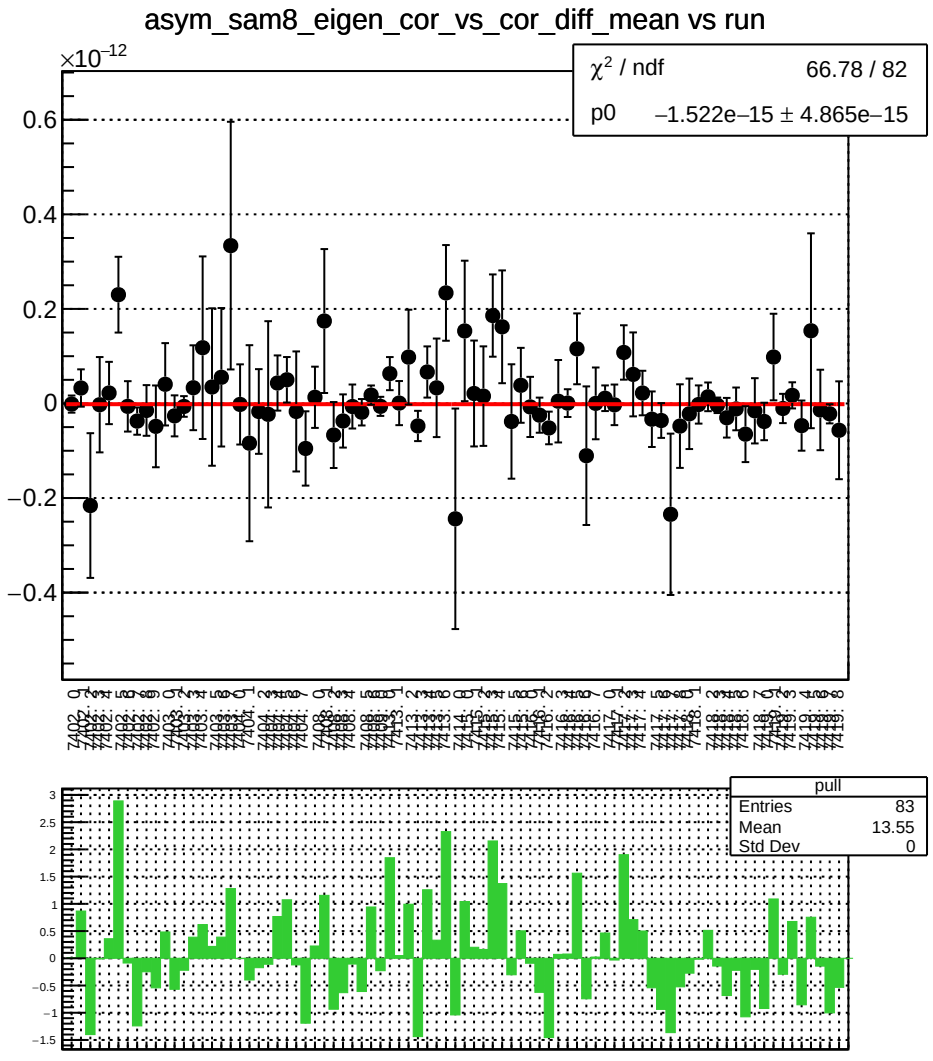

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.1 / 82
p0 −0.06005 ± 0.09747
pull
Entries 83
Mean 68.89
Std Dev 23.51
pull1D
Entries 83
Mean −0.07396
Std Dev 1.107

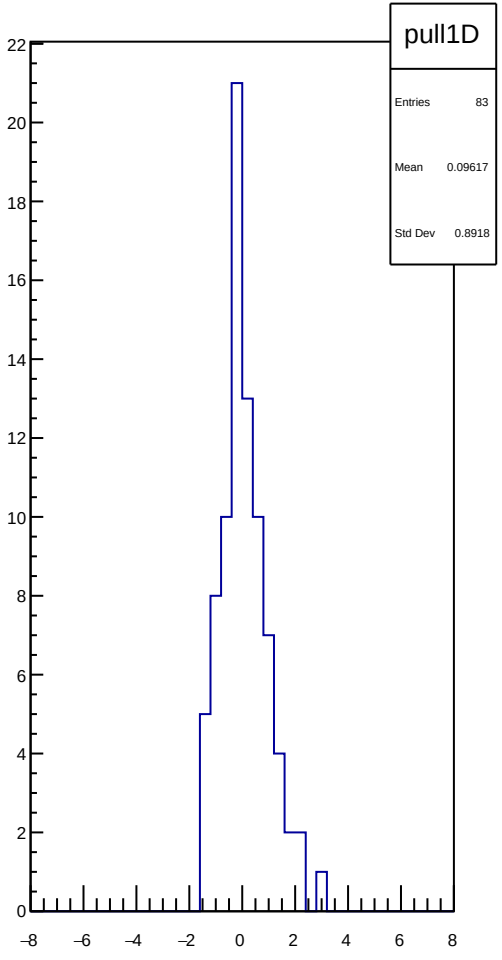

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 82
p0 81.88 ± 0.06892
140
120
100
80
60
40

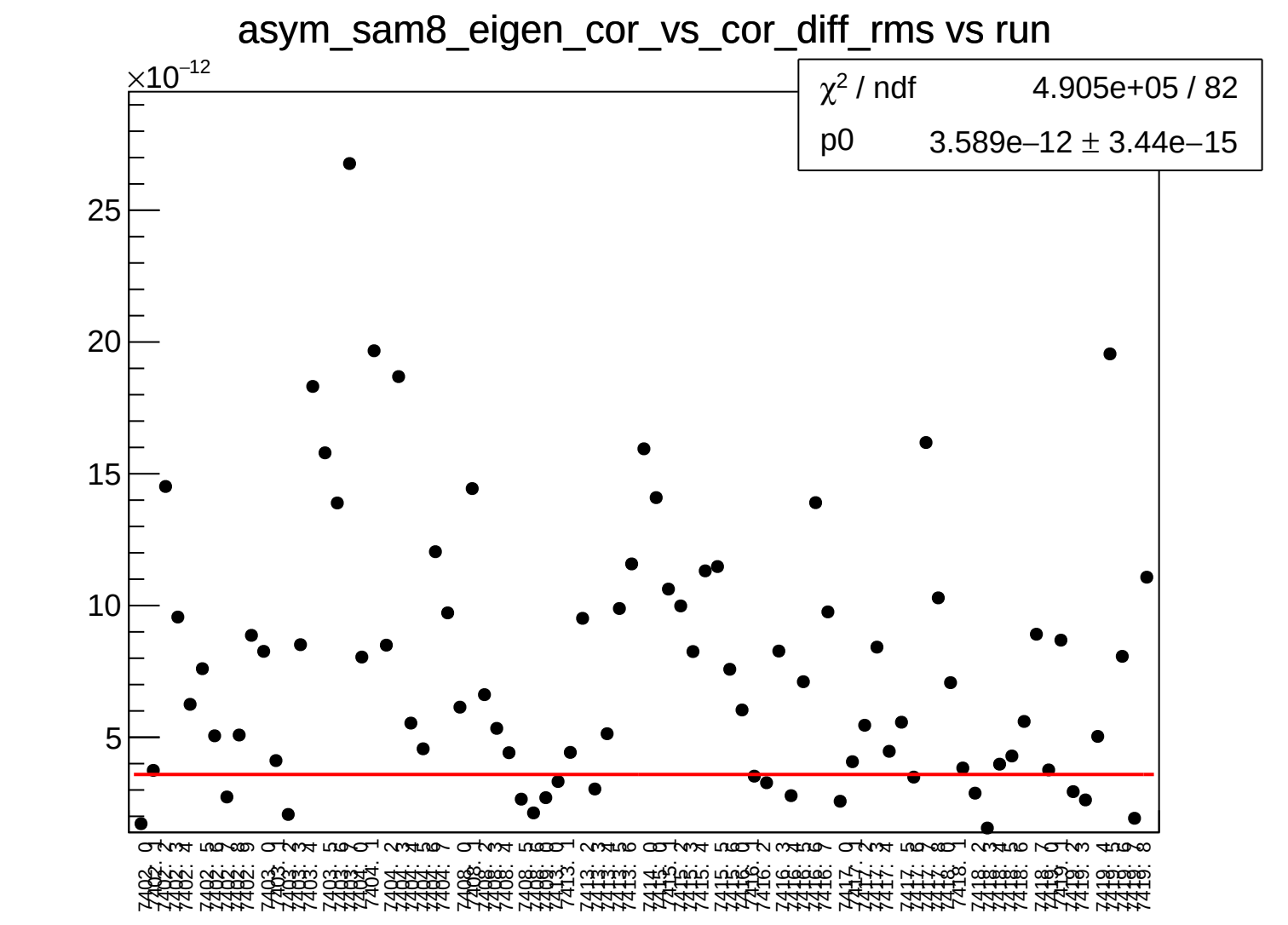

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.1 / 82
p0 −0.06005 ± 0.09747
pull
Entries 83
Mean 68.89
Std Dev 23.51

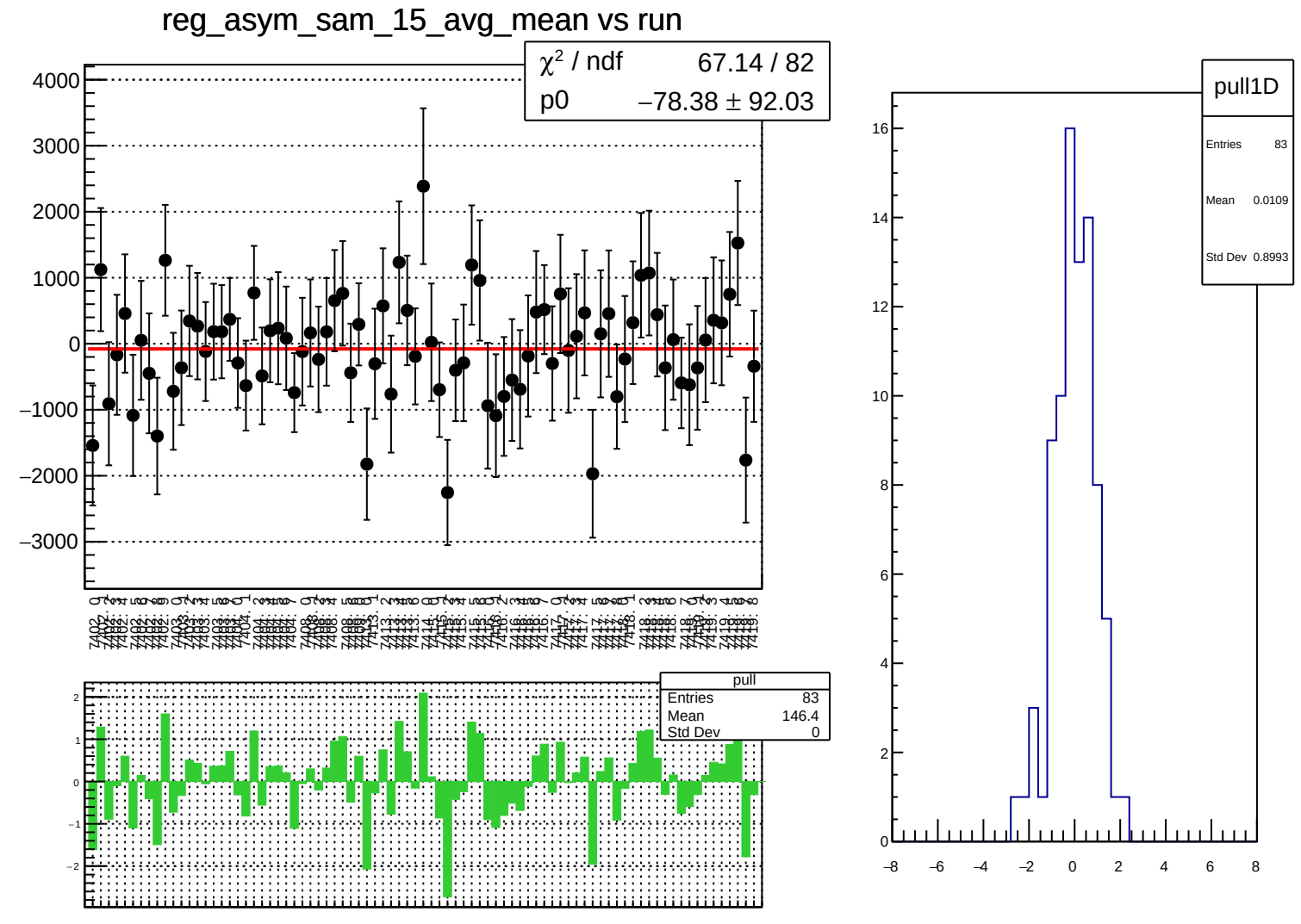

pull1D
Entries 83
Mean −0.07396
Std Dev 1.107

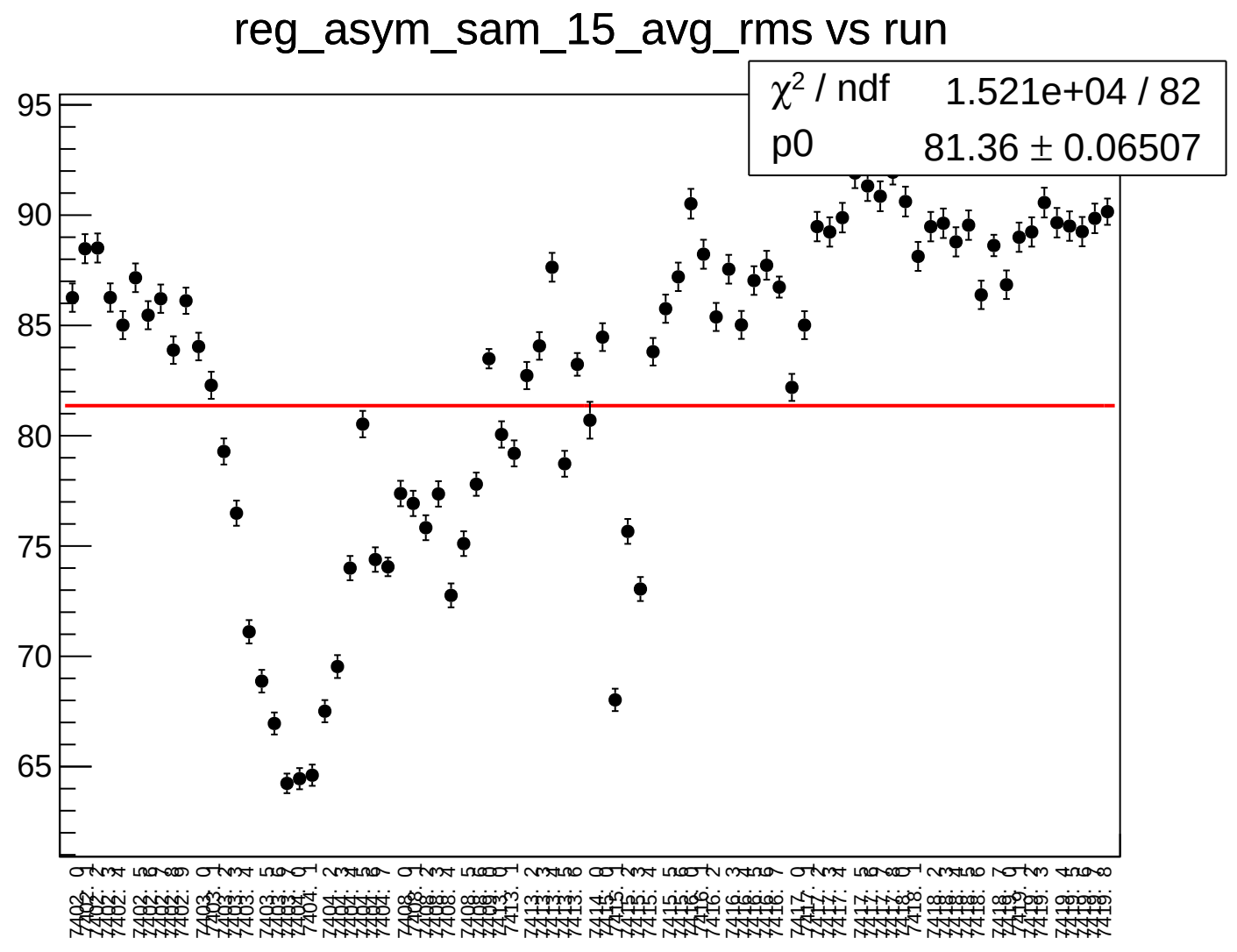

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.673e+05 / 82
p0 81.88 ± 0.06892
140
120
100
80
60
40

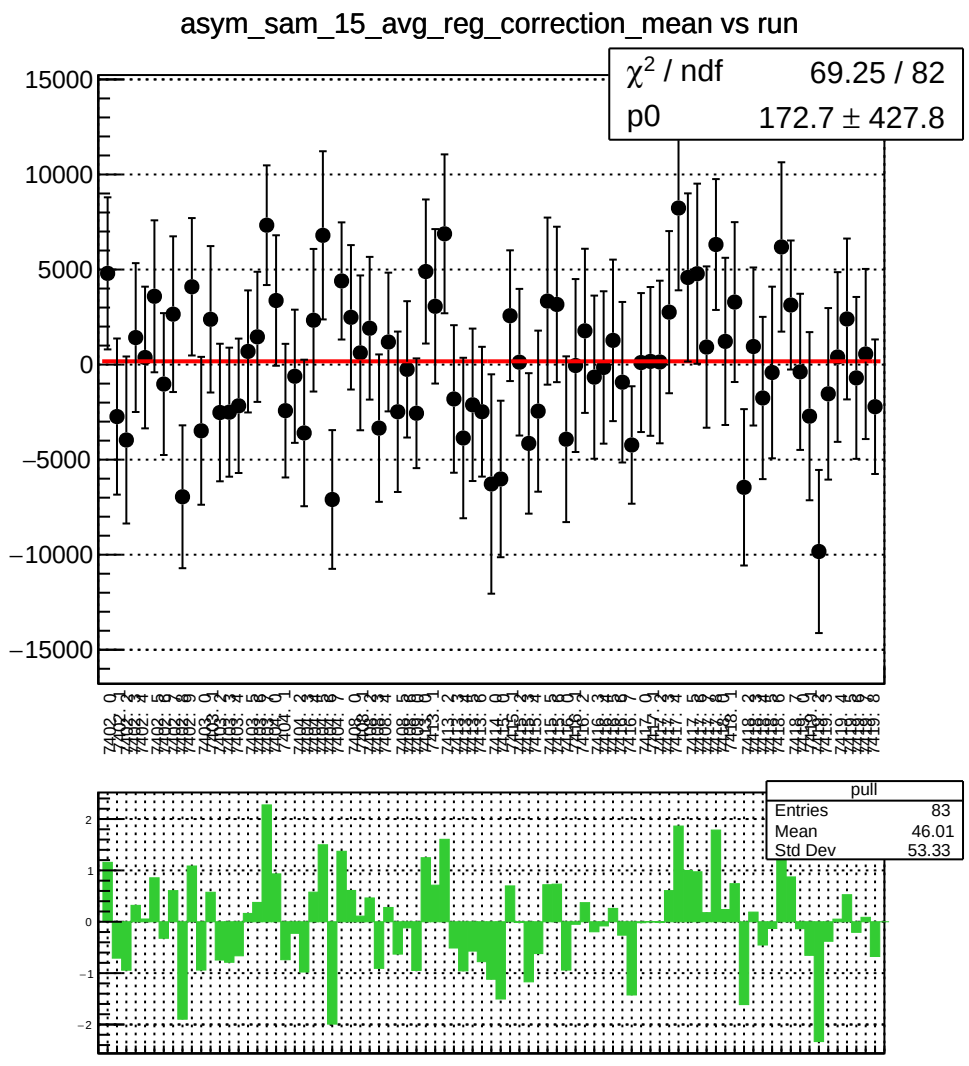

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.78 / 82
p0 −1.522e−15 ± 4.865e−15
pull
Entries 83
Mean 13.55
Std Dev 0

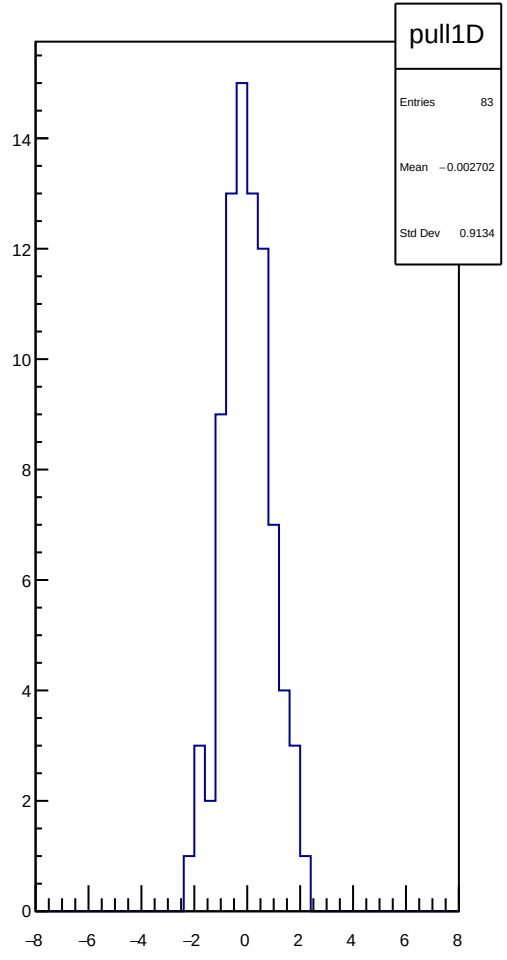

pull1D
Entries 83
Mean 0.09617
Std Dev 0.8918

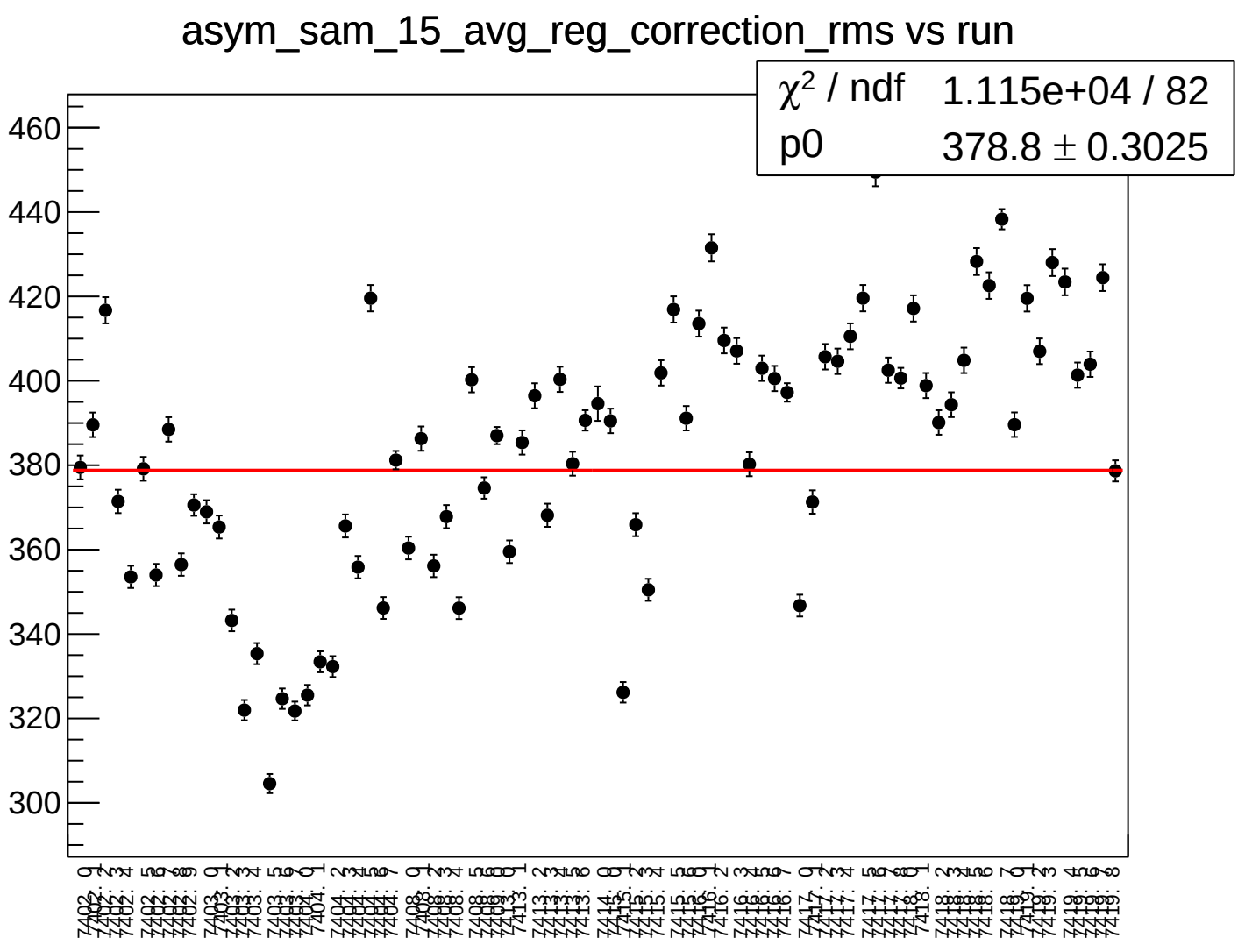

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.905e+05 / 82
p0 3.589e−12 ± 3.44e−15
25
20
15
10
5

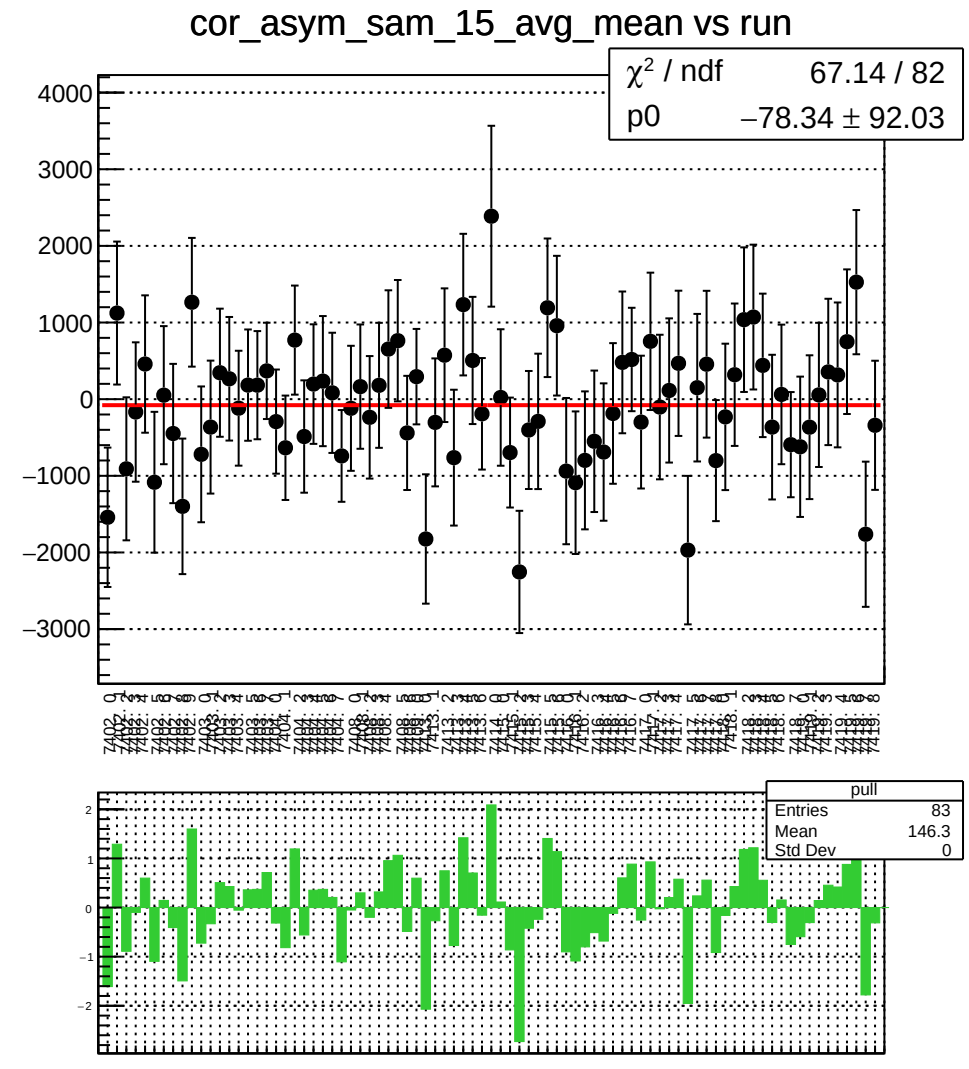

reg_asym_sam_15_avg_mean vs run
χ² / ndf 67.14 / 82
p0 −78.38 ± 92.03
pull
Entries 83
Mean 146.4
Std Dev 0
pull1D
Entries 83
Mean 0.0109
Std Dev 0.8993

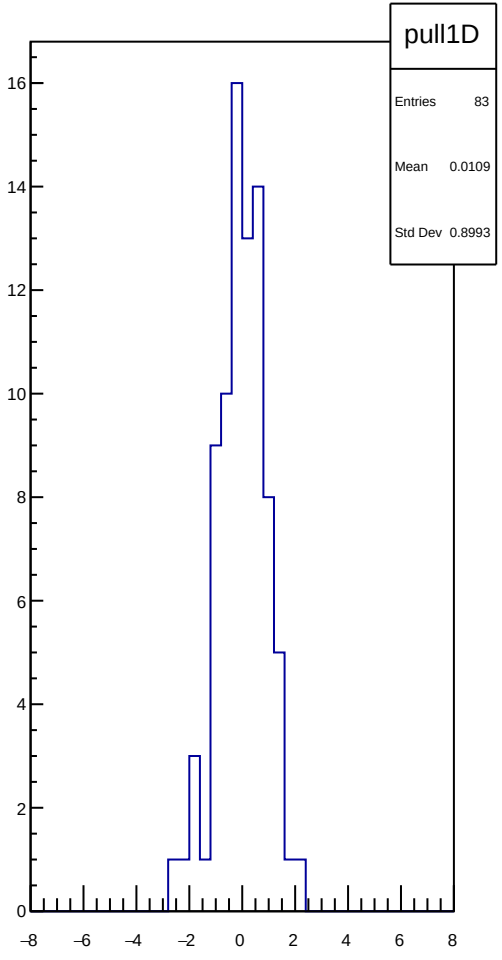

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1.521e+04 / 82
p0 81.36 ± 0.06507
95
90
85
80
75
70
65

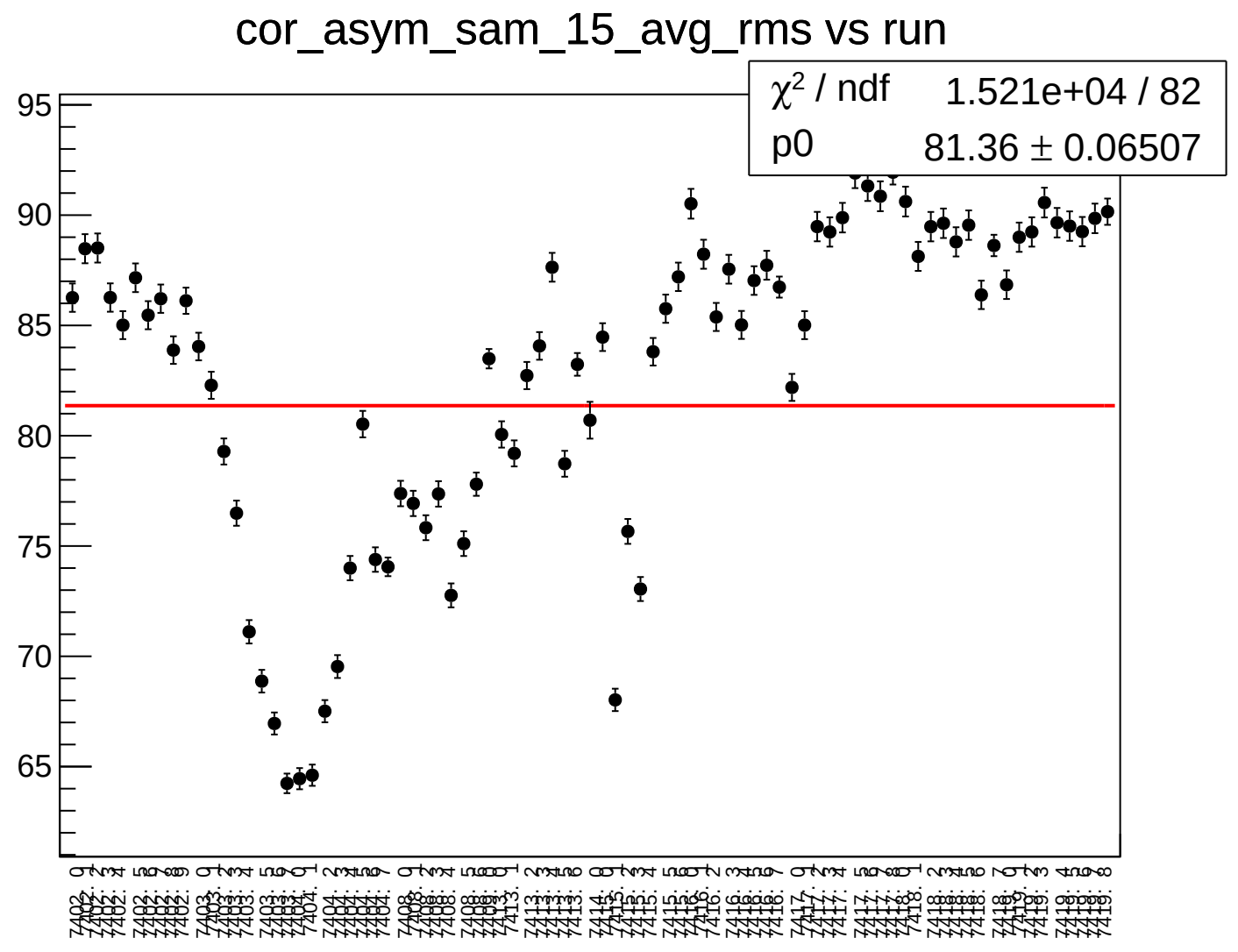

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 69.25 / 82
p0 172.7 ± 427.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 46.01
Std Dev 53.33
2
1
0
−1
−2

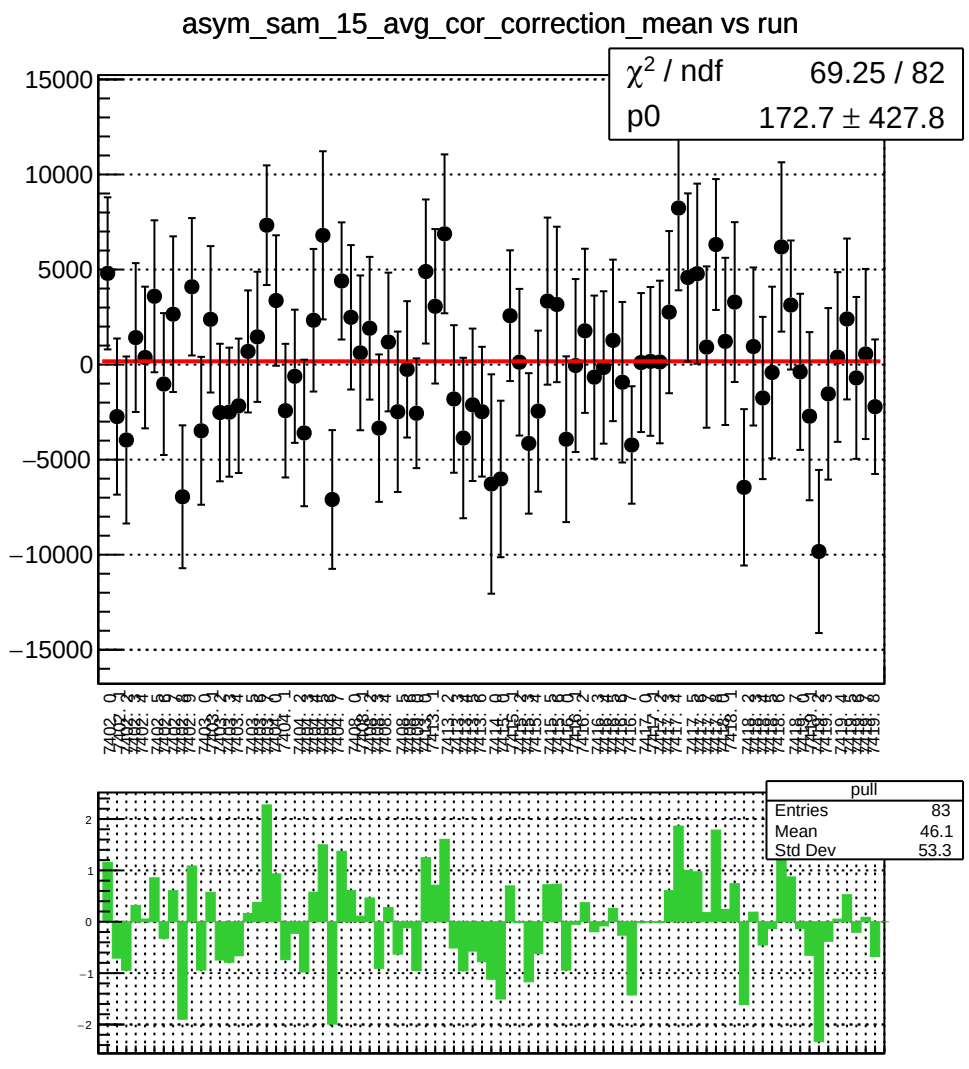

pull1D
Entries 83
Mean −0.002702
Std Dev 0.9134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

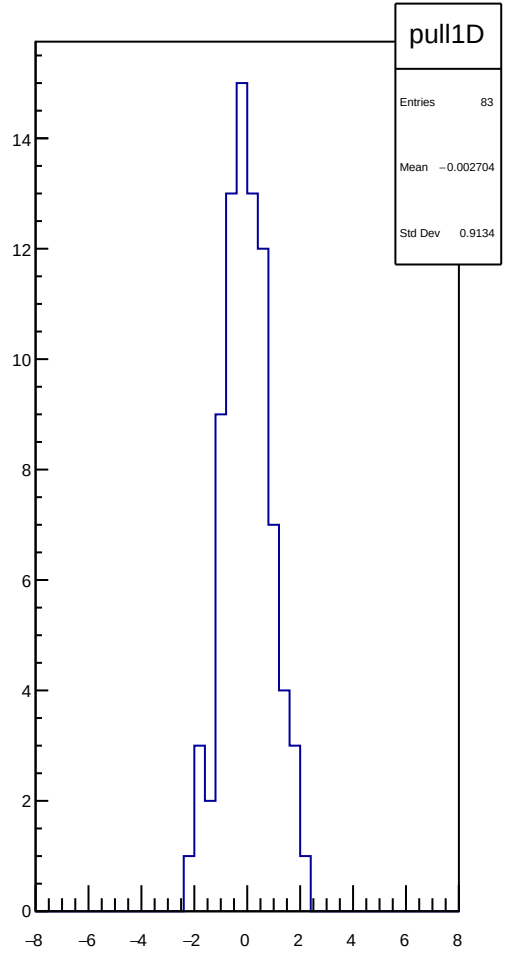

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1.115e+04 / 82
p0 378.8 ± 0.3025
460
440
420
400
380
360
340
320
300

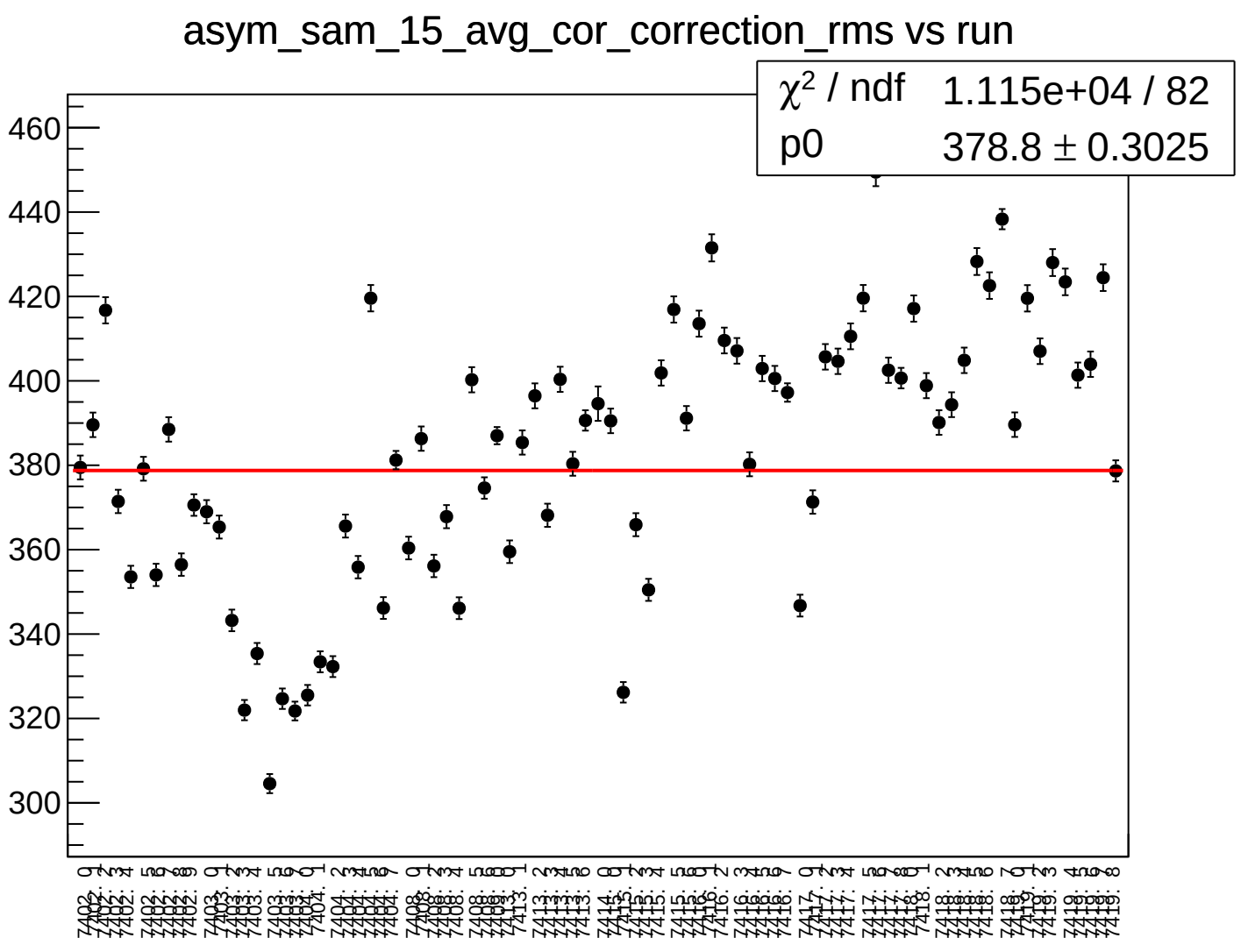

cor_asym_sam_15_avg_mean vs run
χ² / ndf 67.14 / 82
p0 −78.34 ± 92.03
pull
Entries 83
Mean 146.3
Std Dev 0

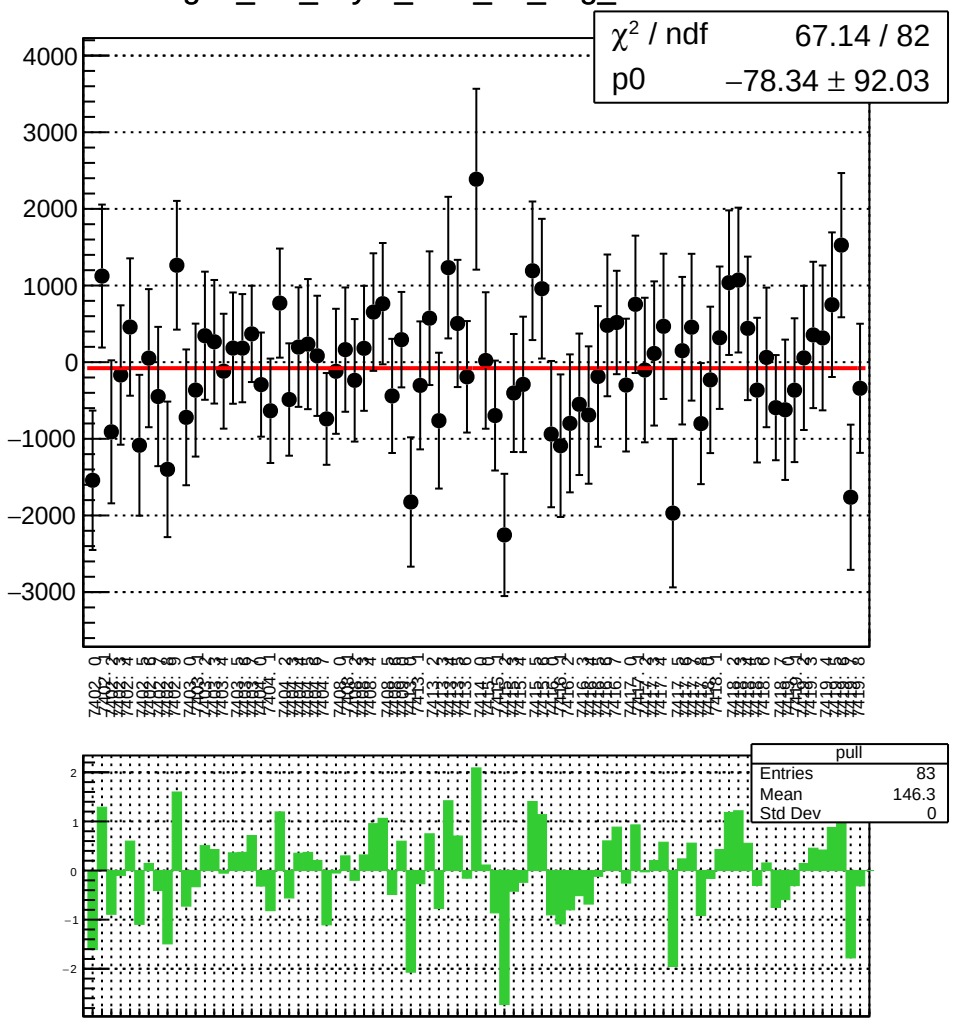

pull1D
Entries 83
Mean 0.0109
Std Dev 0.8993

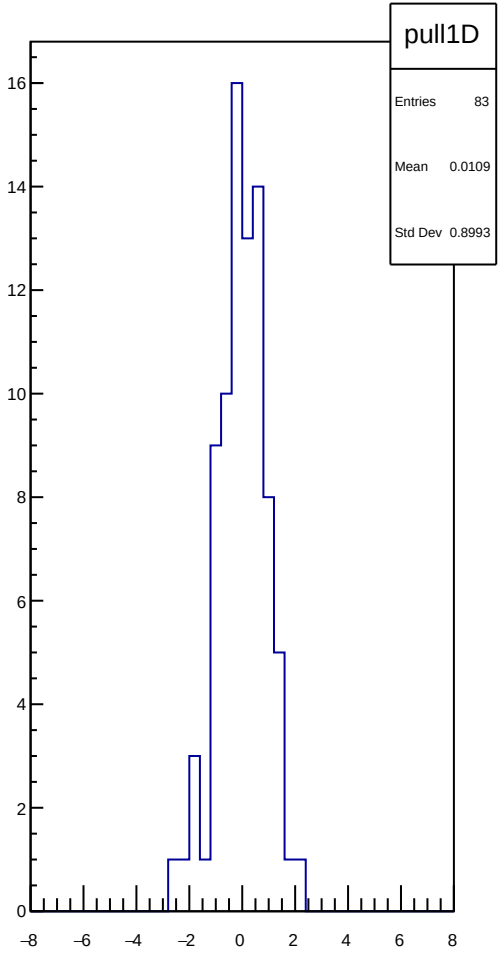

cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.521e+04 / 82
p0 81.36 ± 0.06507
95
90
85
80
75
70
65

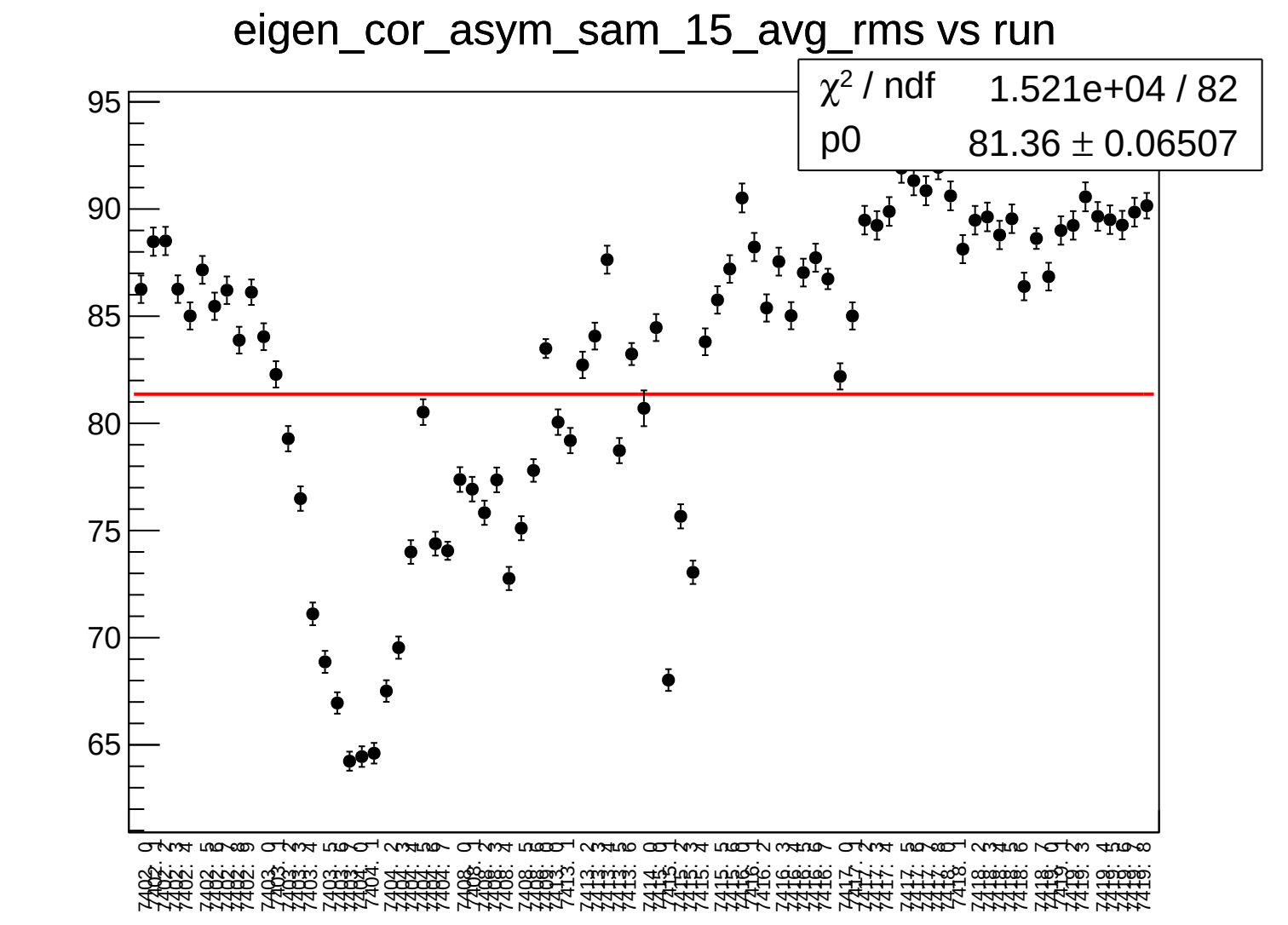

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 69.25 / 82
p0 172.7 ± 427.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 46.1
Std Dev 53.3
2
1
0
−1
−2

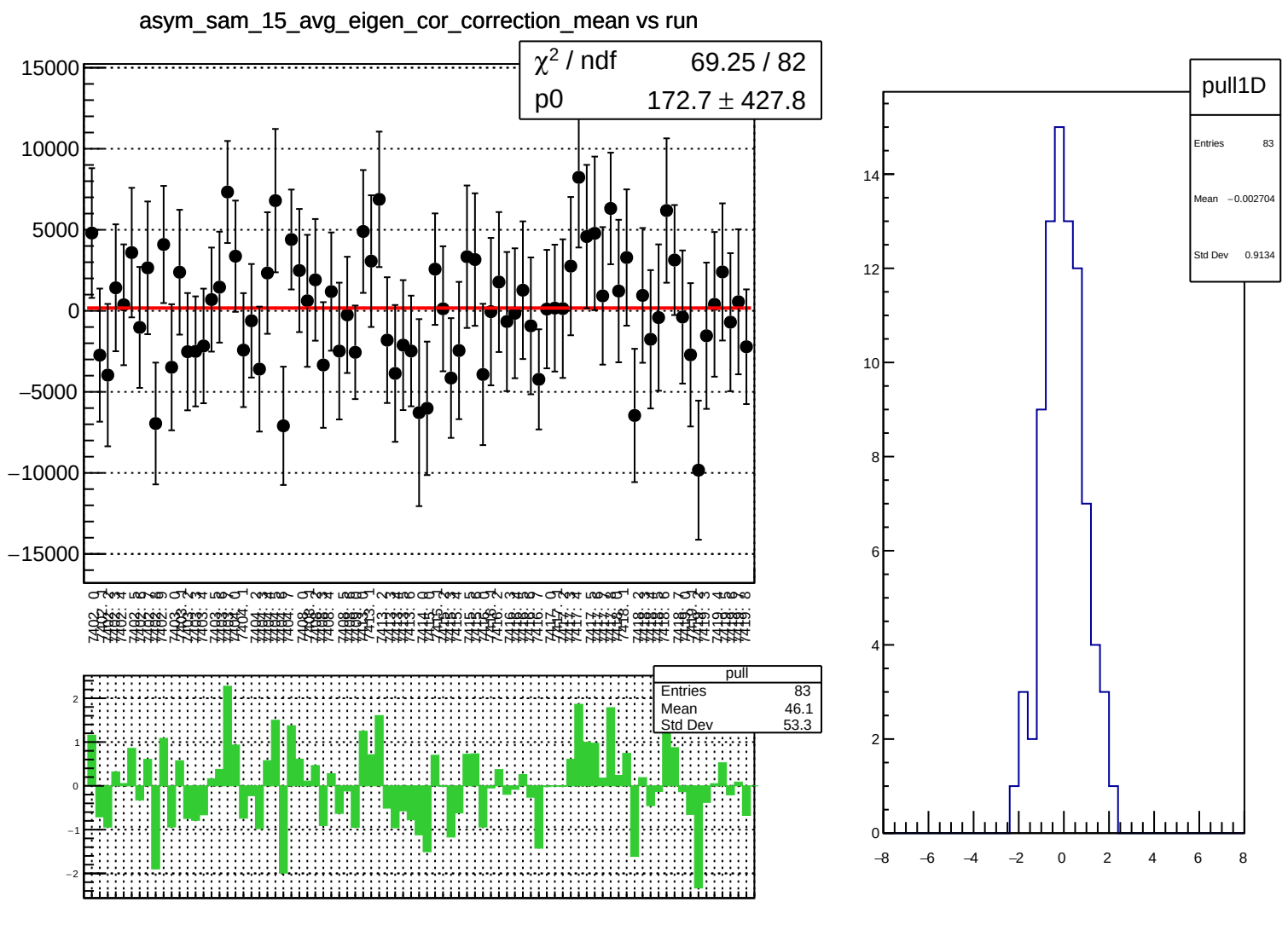

pull1D
Entries 83
Mean −0.002704
Std Dev 0.9134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

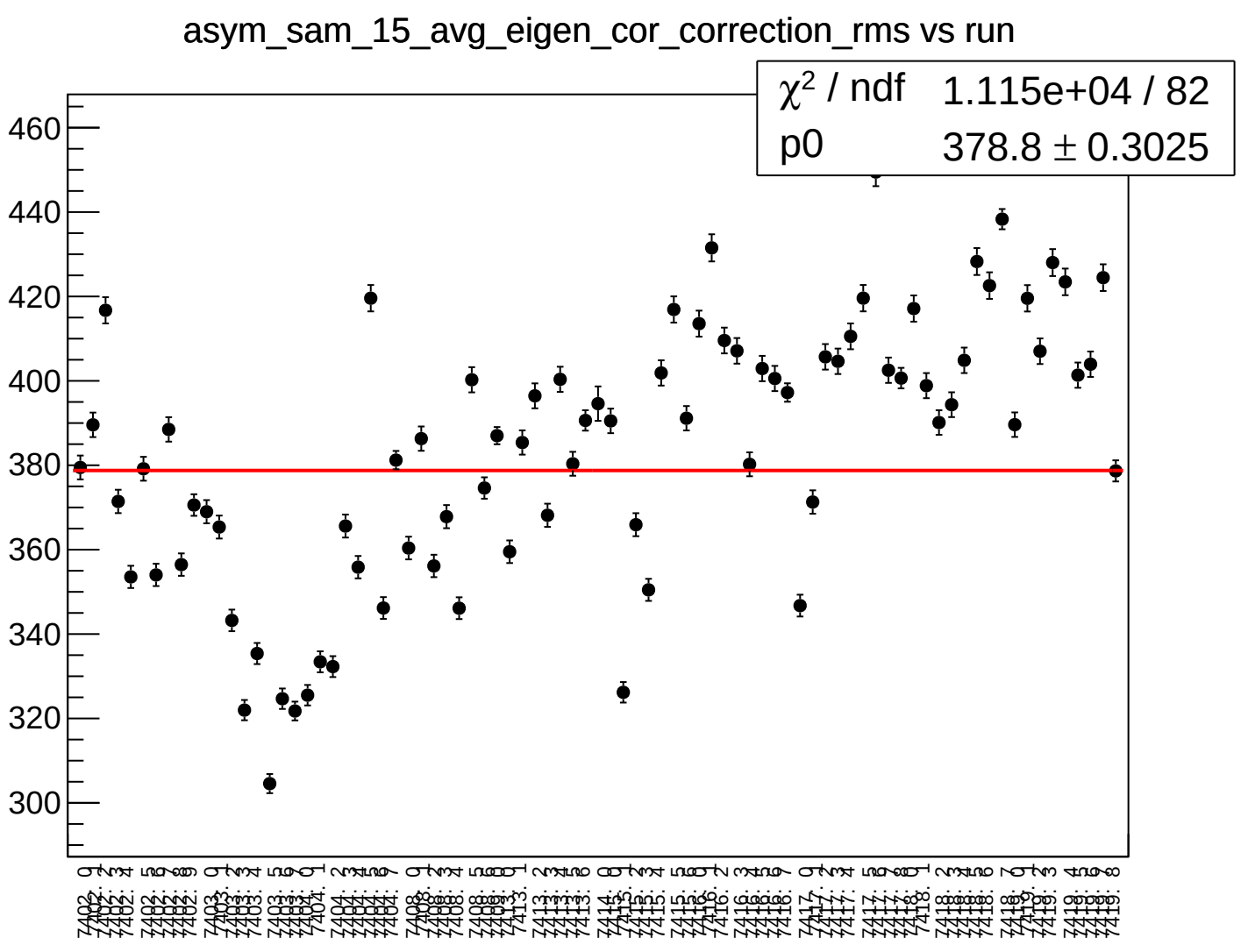

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 1.115e+04 / 82
p0 378.8 ± 0.3025
460
440
420
400
380
360
340
320
300

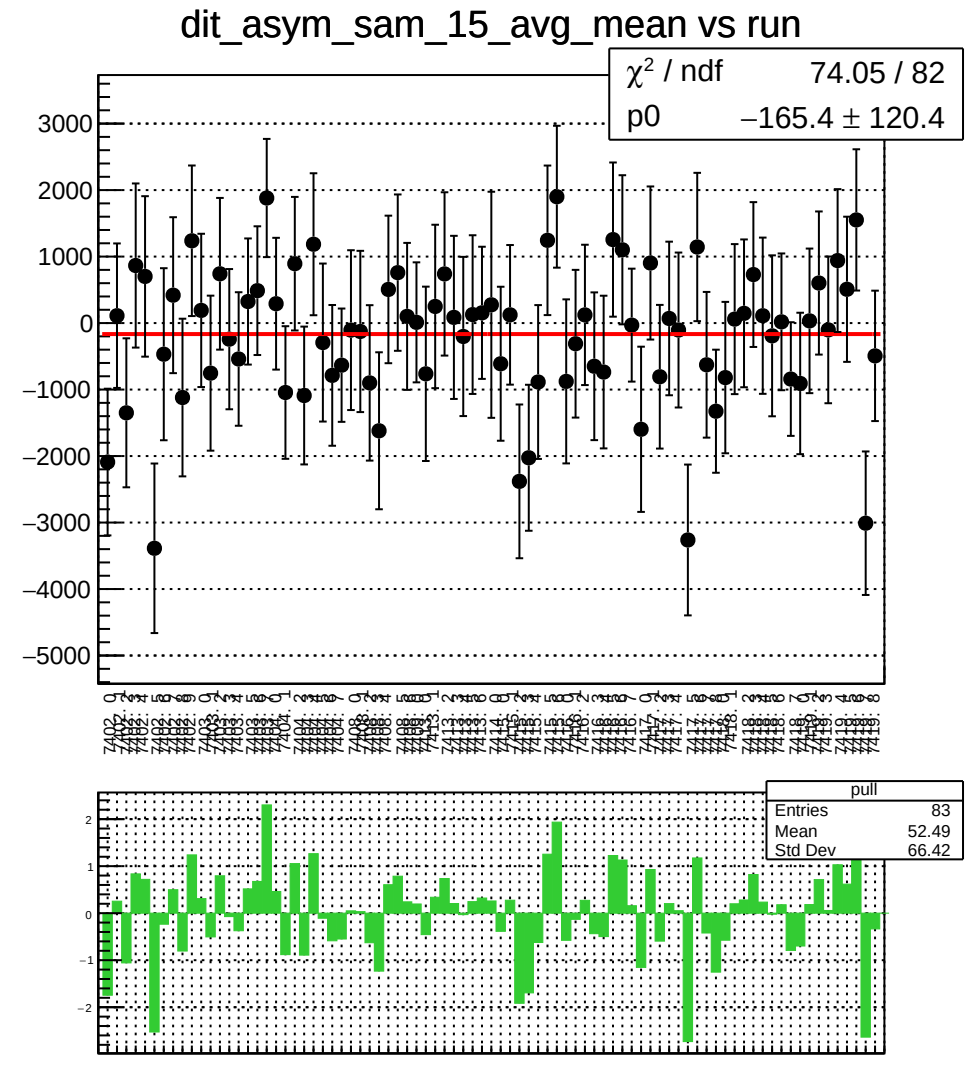

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 67.14 / 82
p0 −78.34 ± 92.03
pull
Entries 83
Mean 146.3
Std Dev 0

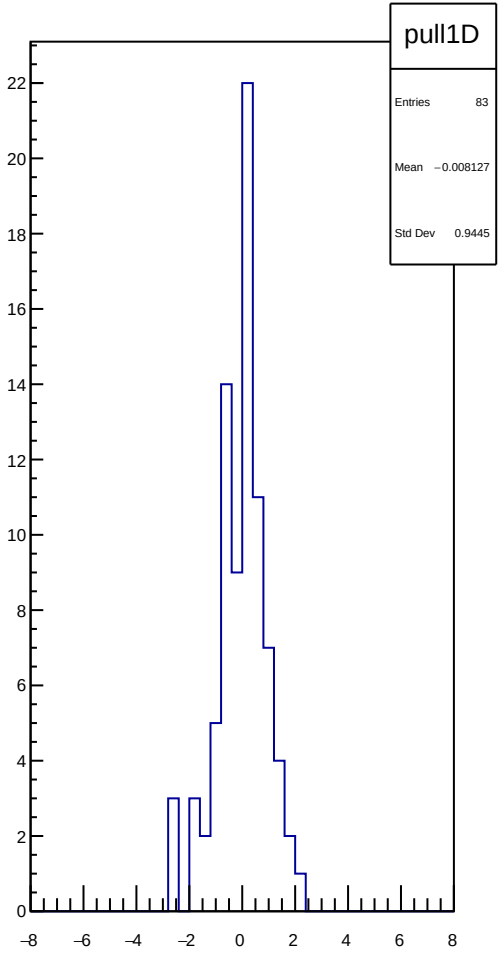

pull1D
Entries 83
Mean 0.0109
Std Dev 0.8993

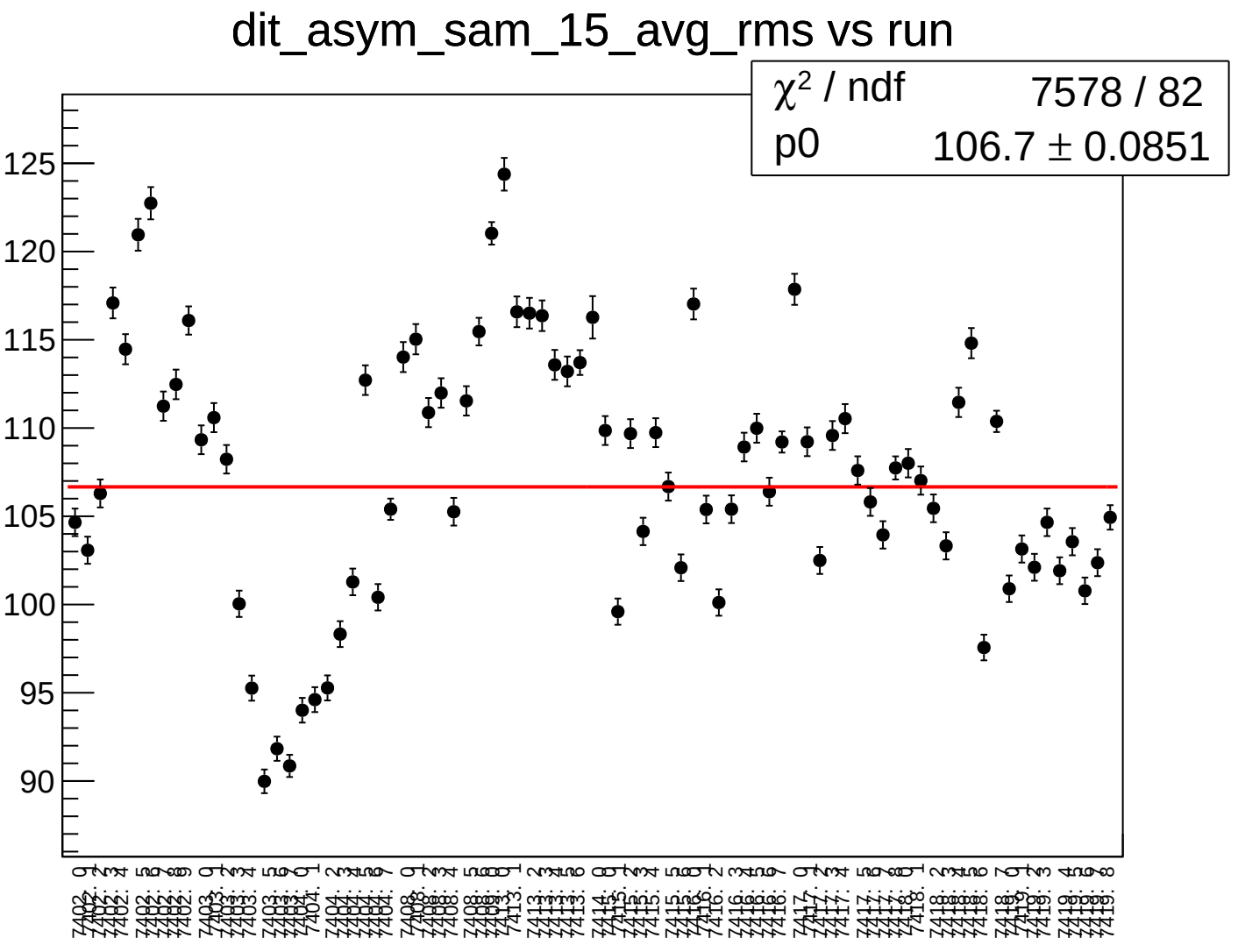

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.521e+04 / 82
p0 81.36 ± 0.06507
95
90
85
80
75
70
65

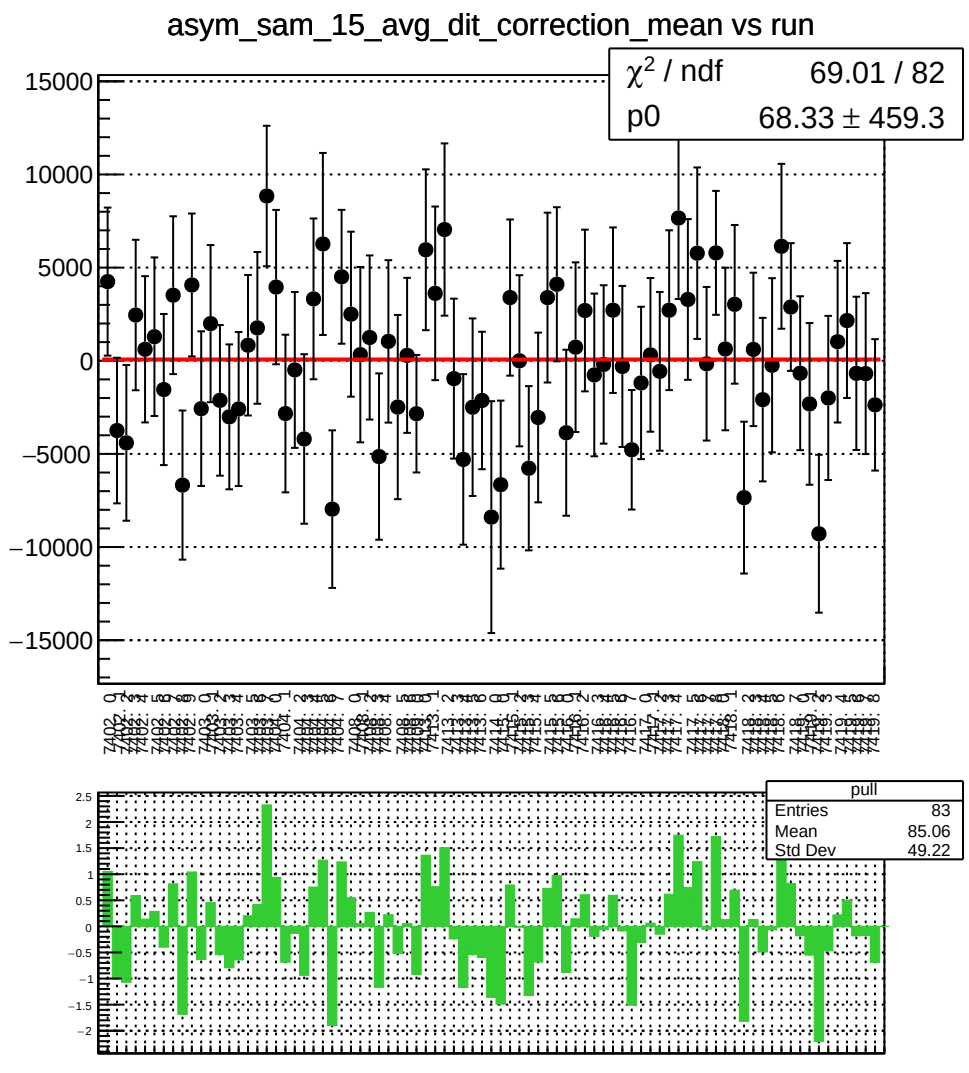

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 69.25 / 82
p0 172.7 ± 427.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 46.1
Std Dev 53.3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.002704
Std Dev 0.9134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

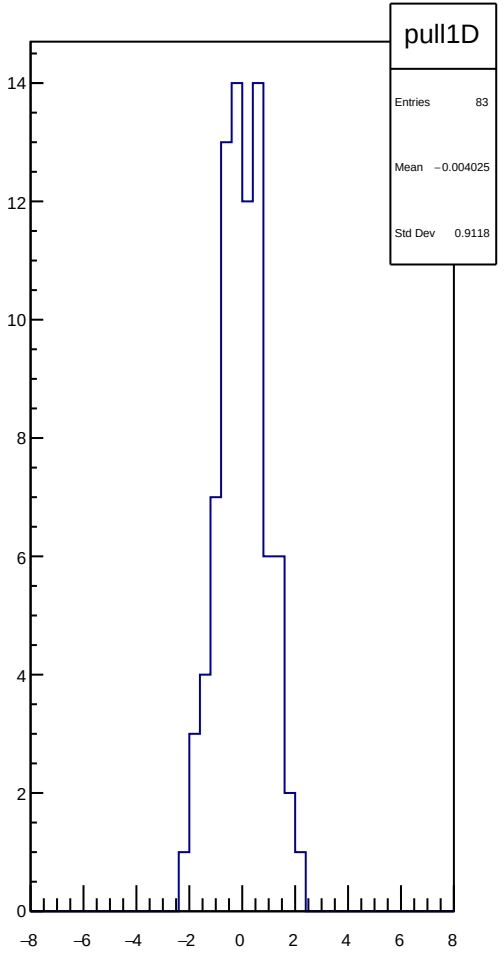

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.115e+04 / 82
p0 378.8 ± 0.3025
460
440
420
400
380
360
340
320
300

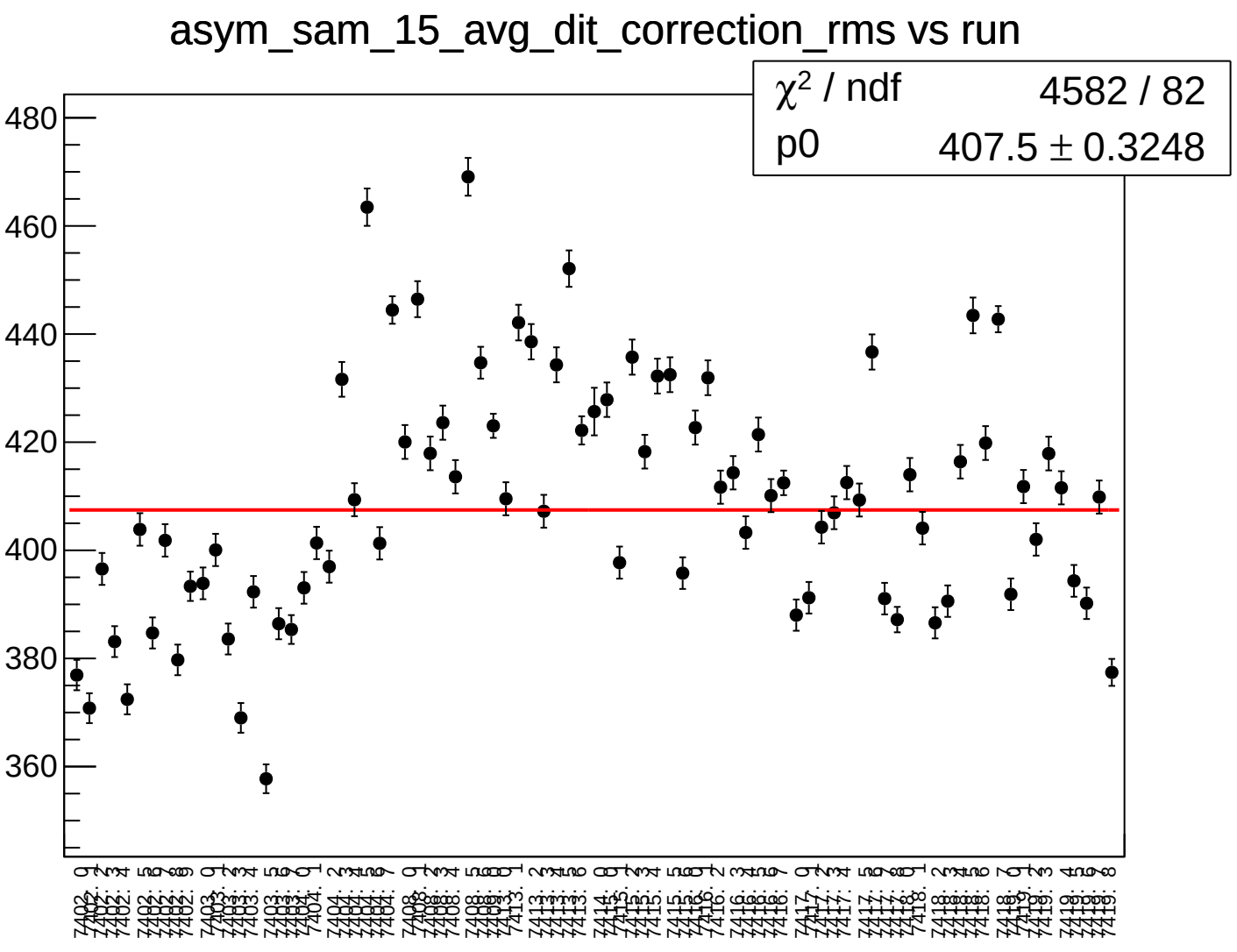

dit_asym_sam_15_avg_mean vs run
χ² / ndf 74.05 / 82
p0 −165.4 ± 120.4
pull
Entries 83
Mean 52.49
Std Dev 66.42

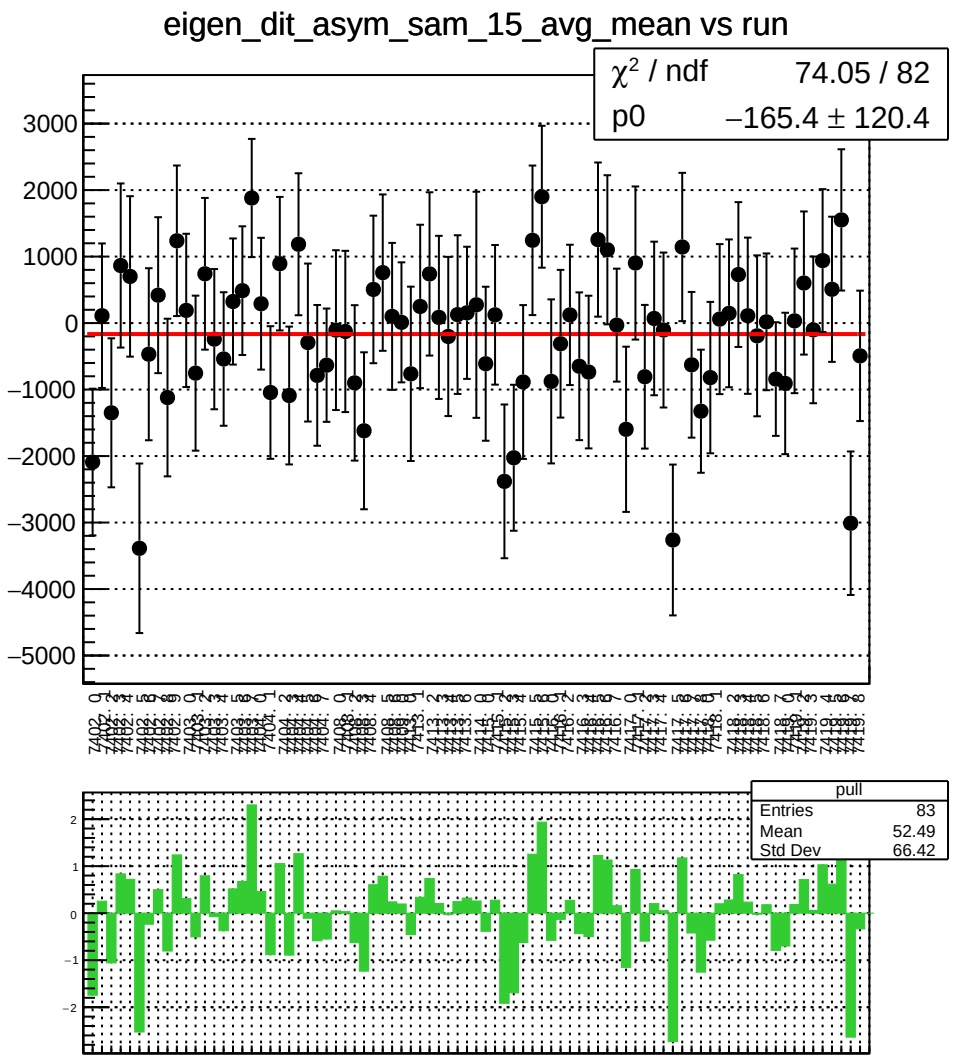

pull1D
Entries 83
Mean −0.008127
Std Dev 0.9445

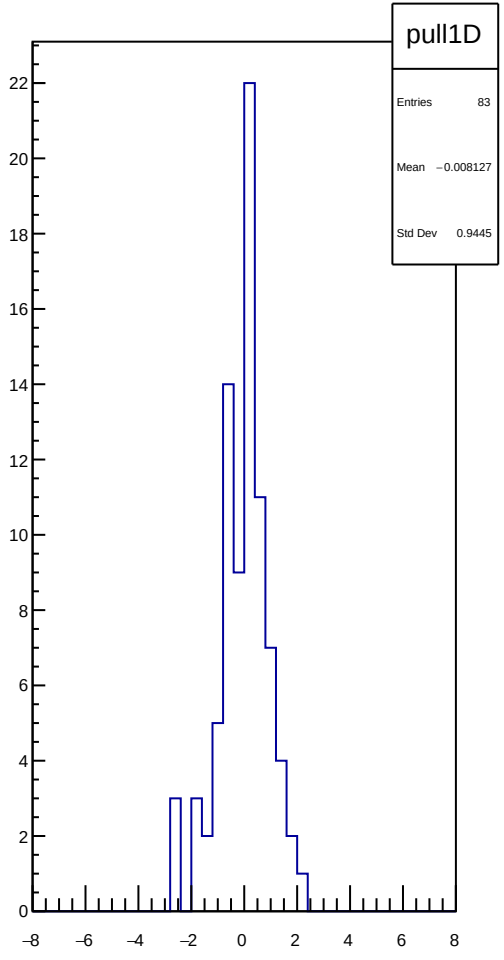

dit_asym_sam_15_avg_rms vs run
χ² / ndf 7578 / 82
p0 106.7 ± 0.0851
125
120
115
110
105
100
95
90

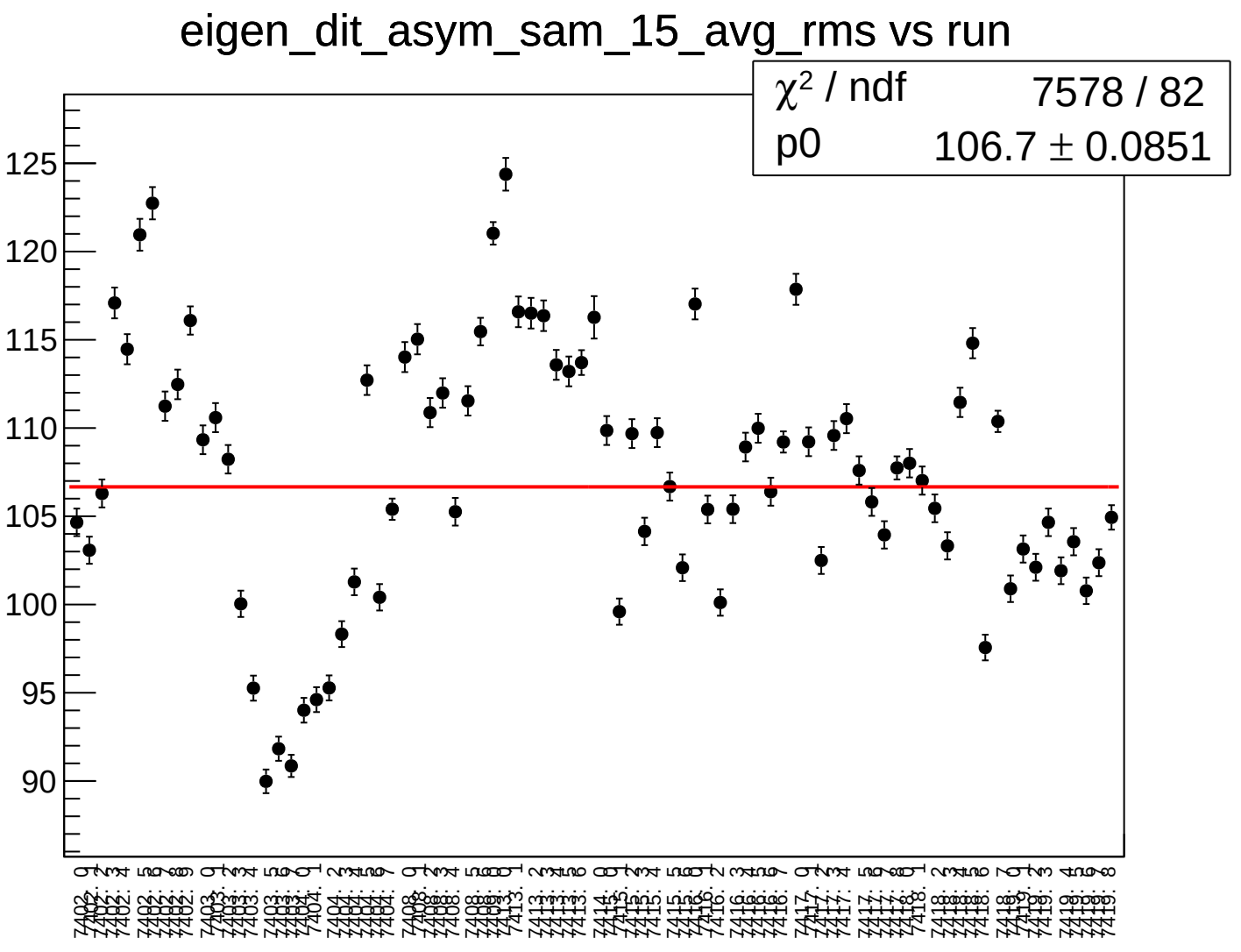

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 69.01 / 82
p0 68.33 ± 459.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 85.06
Std Dev 49.22
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

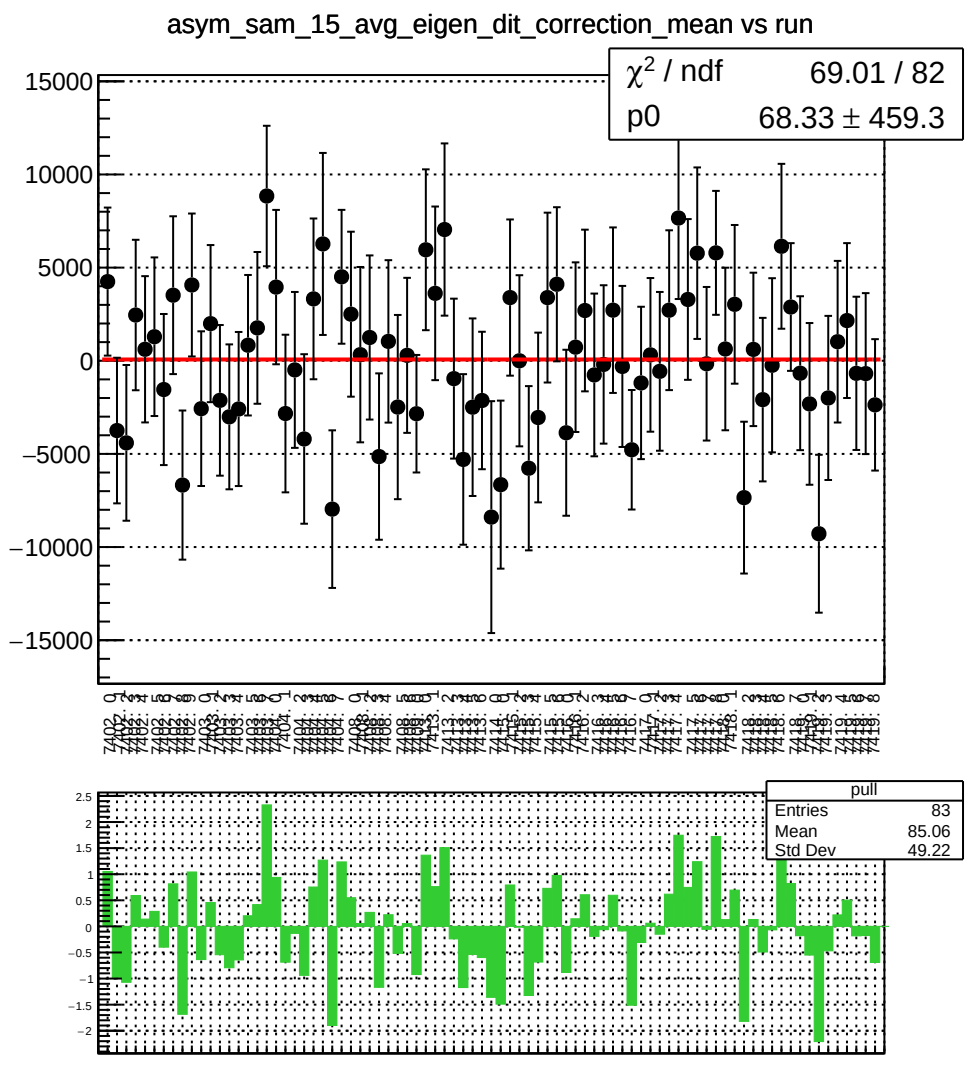

pull1D
Entries 83
Mean −0.004025
Std Dev 0.9118
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

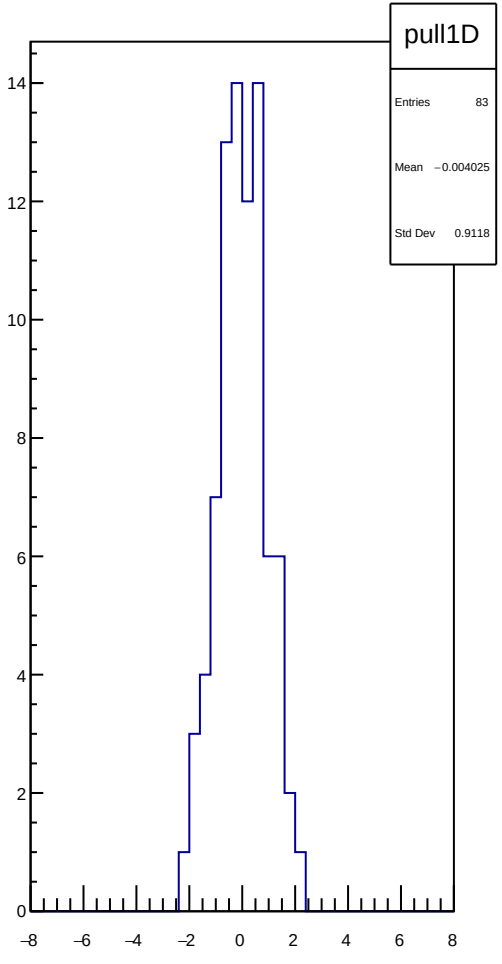

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 4582 / 82
p0 407.5 ± 0.3248
480
460
440
420
400
380
360

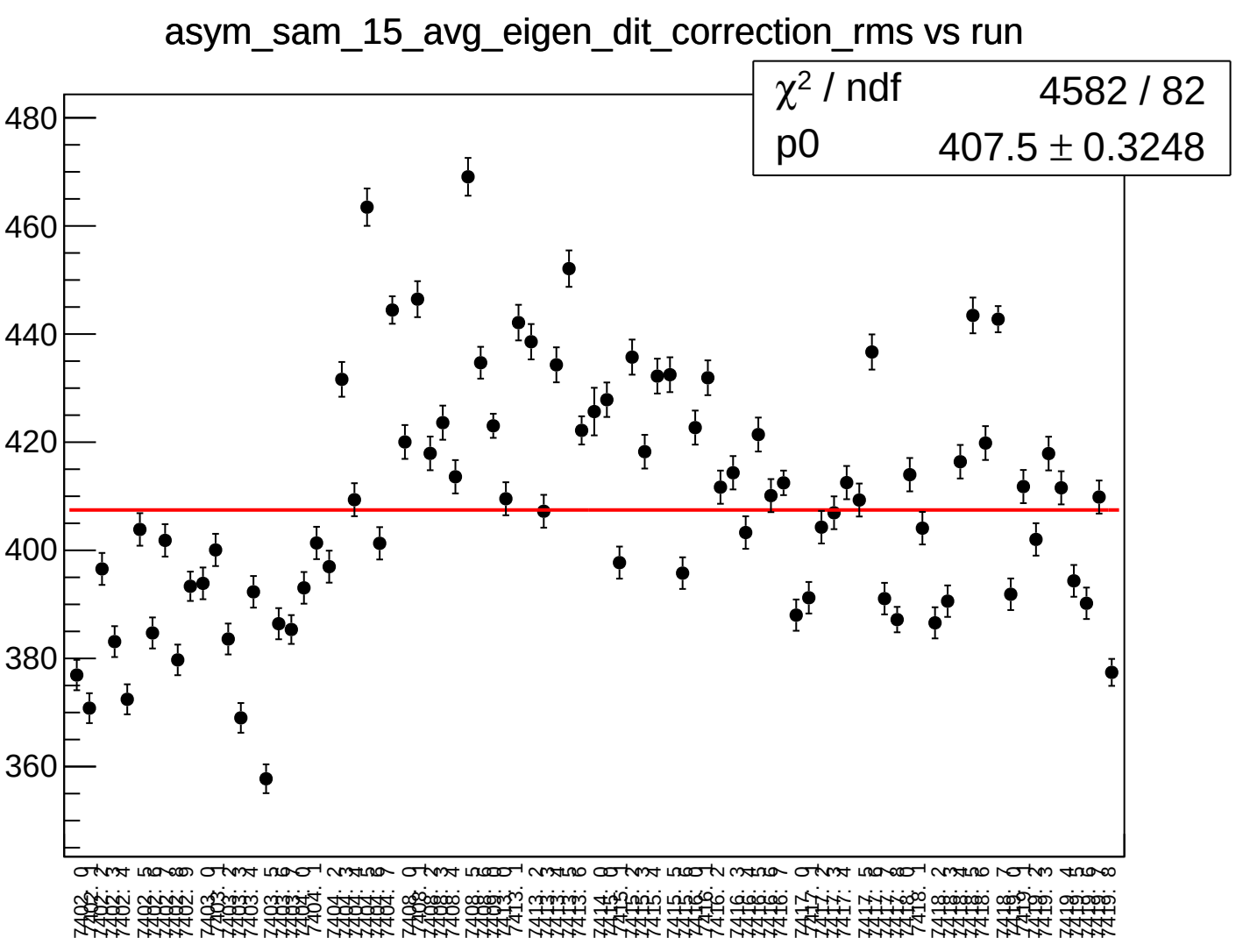

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 74.05 / 82
p0 −165.4 ± 120.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 83
Mean 52.49
Std Dev 66.42
2
1
0
−1
−2

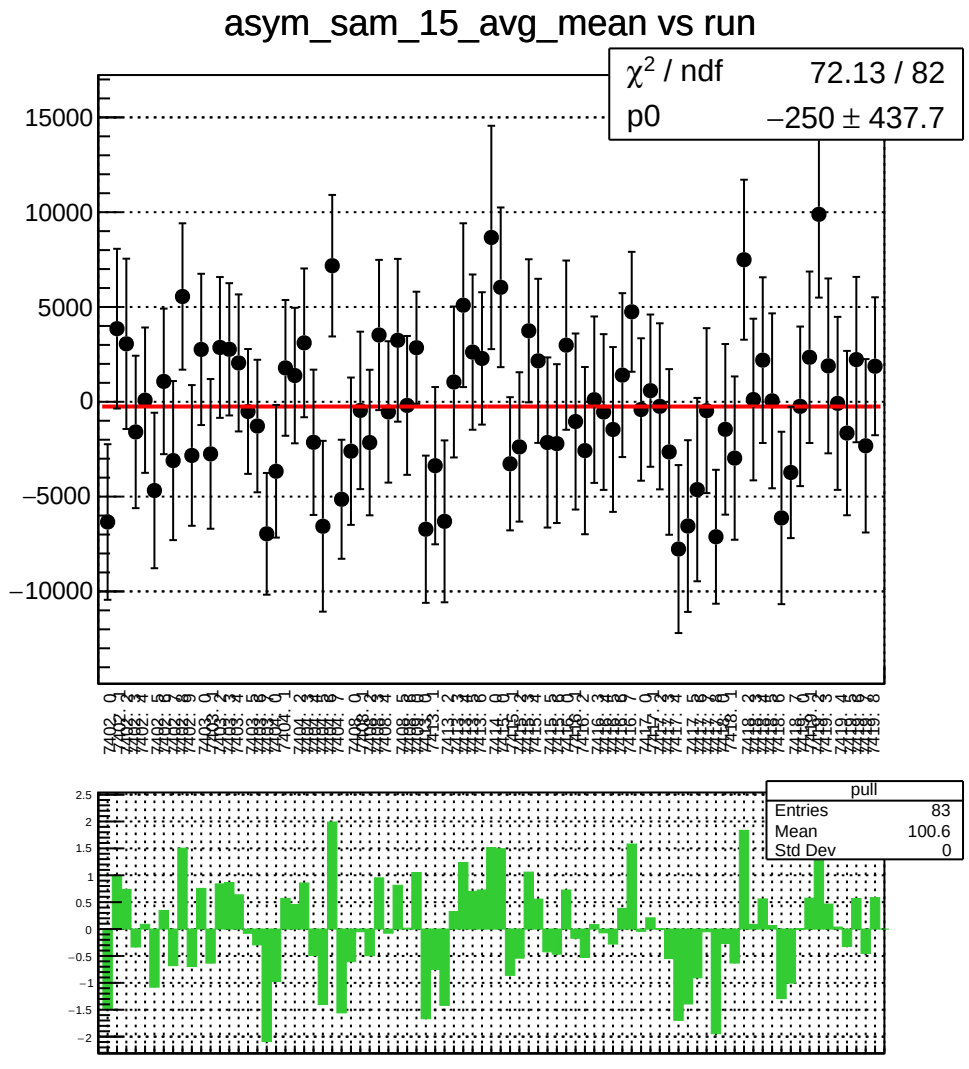

pull1D
Entries 83
Mean −0.008127
Std Dev 0.9445
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

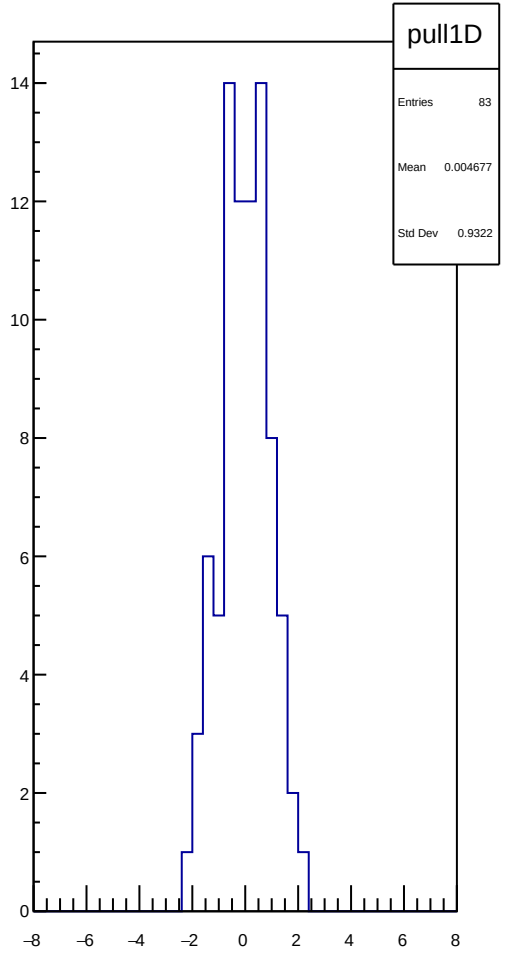

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 7578 / 82
p0 106.7 ± 0.0851
125
120
115
110
105
100
95
90

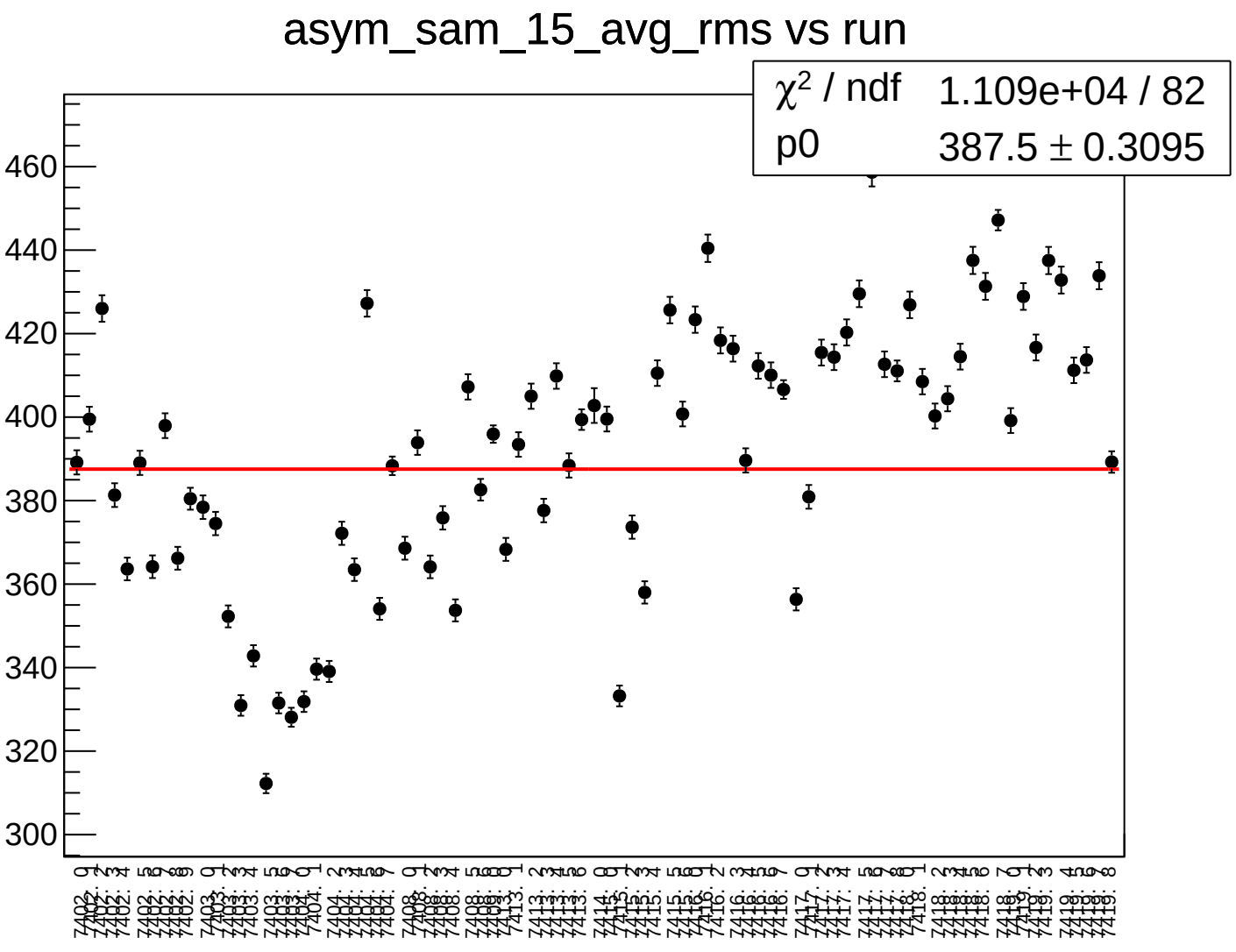

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.01 / 82
p0 68.33 ± 459.3
pull
Entries 83
Mean 85.06
Std Dev 49.22

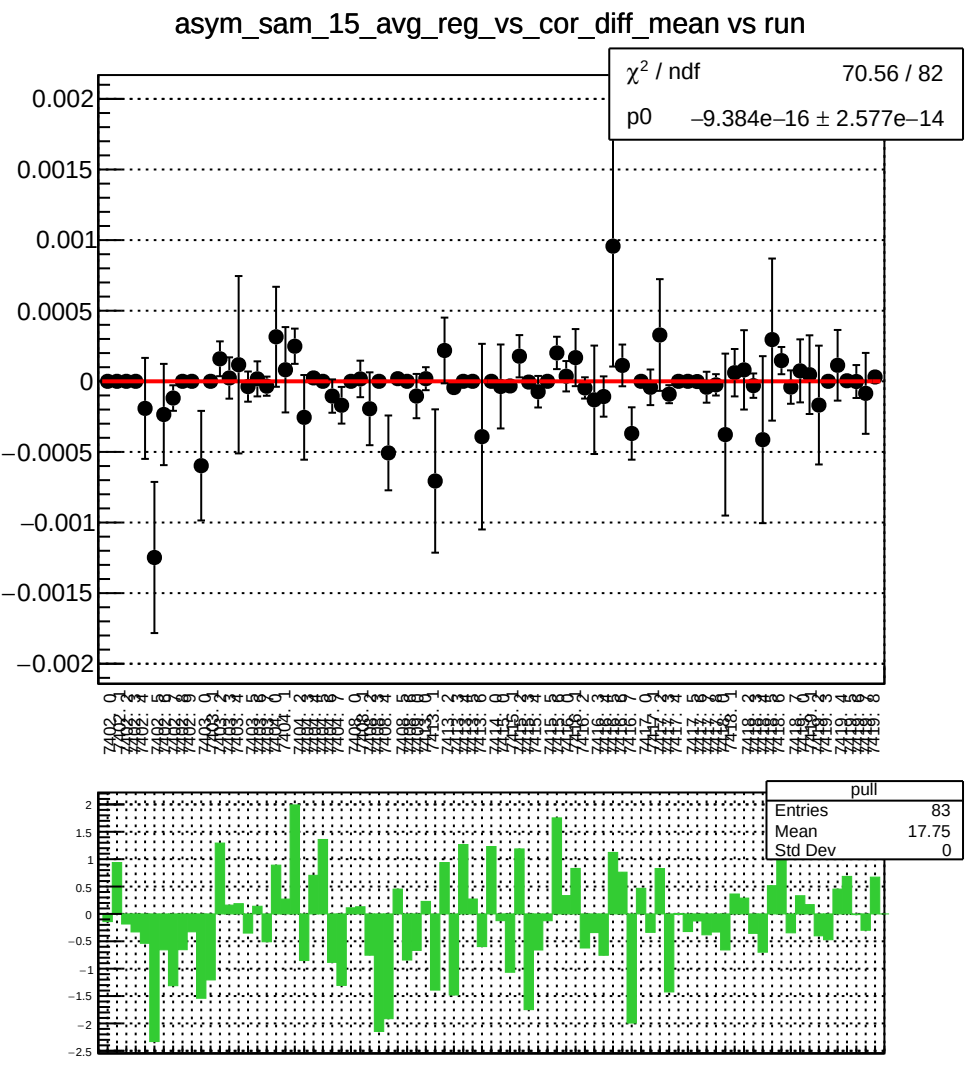

pull1D
Entries 83
Mean −0.004025
Std Dev 0.9118

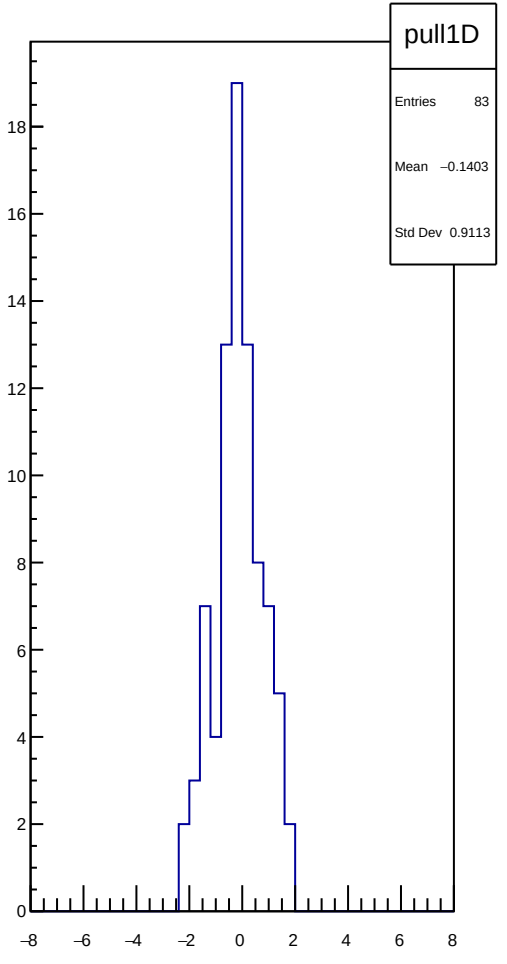

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 4582 / 82
p0 407.5 ± 0.3248
480
460
440
420
400
380
360

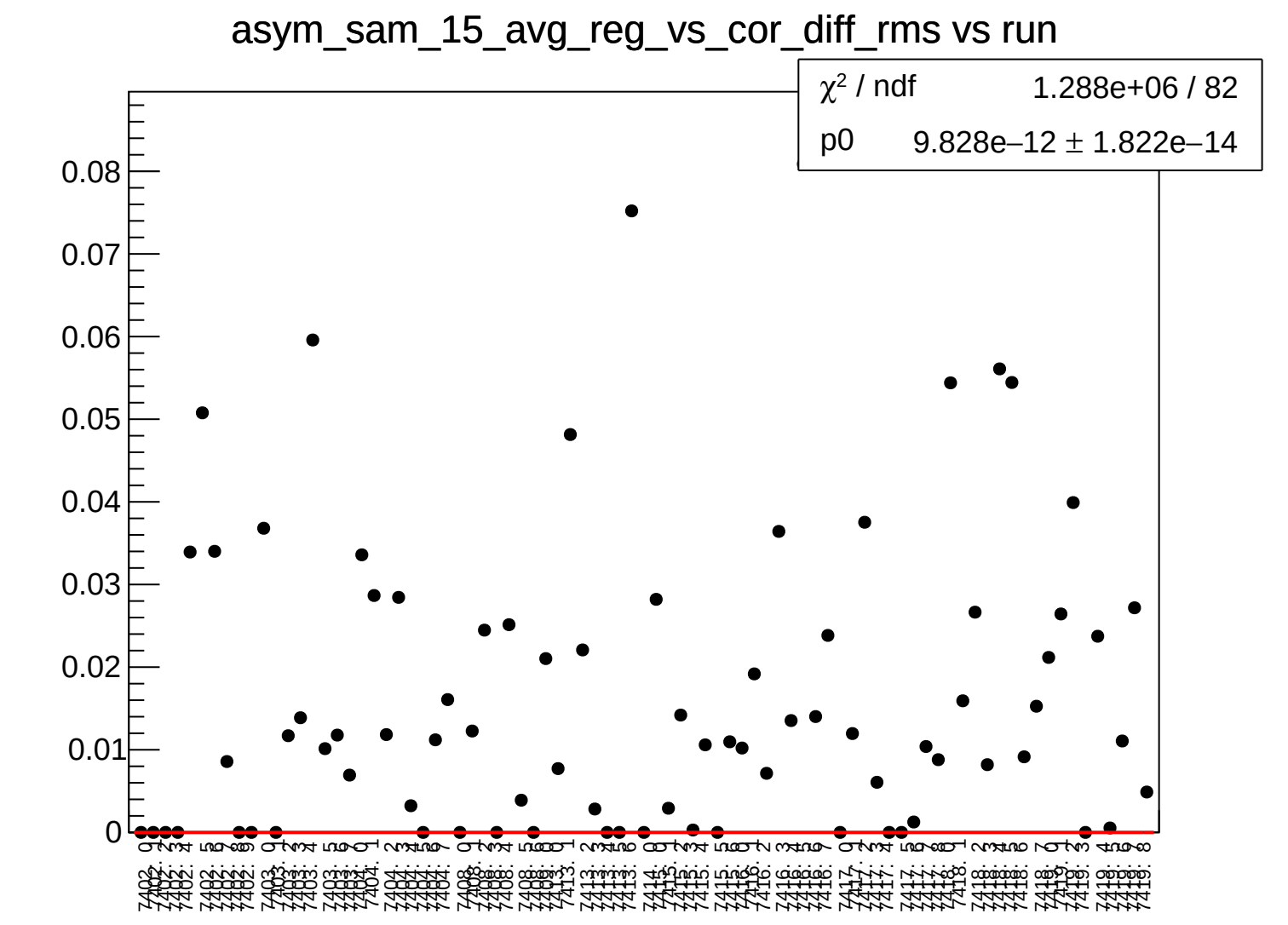

asym_sam_15_avg_mean vs run
χ² / ndf 72.13 / 82
p0 −250 ± 437.7
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 100.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

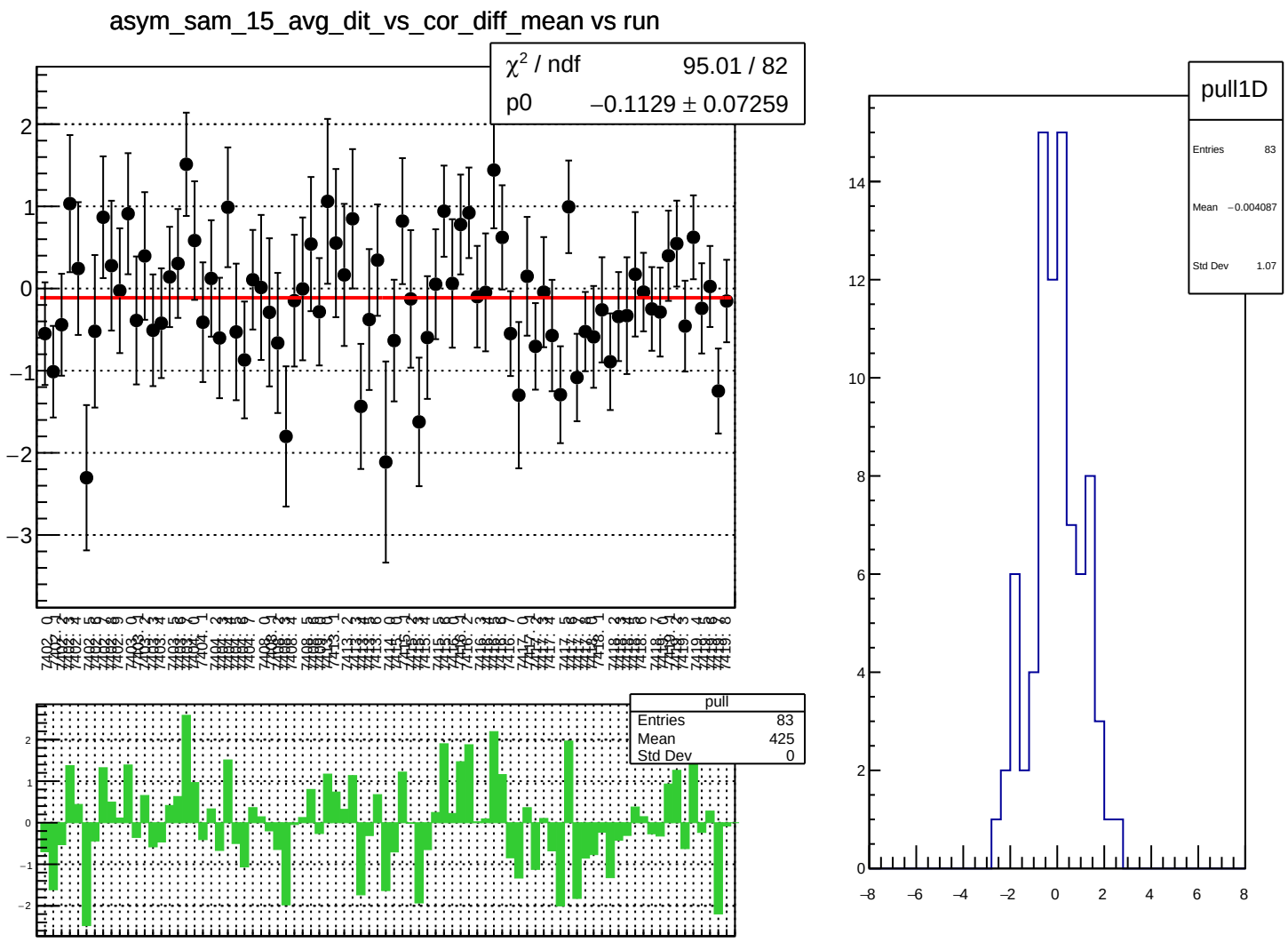

pull1D
Entries 83
Mean 0.004677
Std Dev 0.9322
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

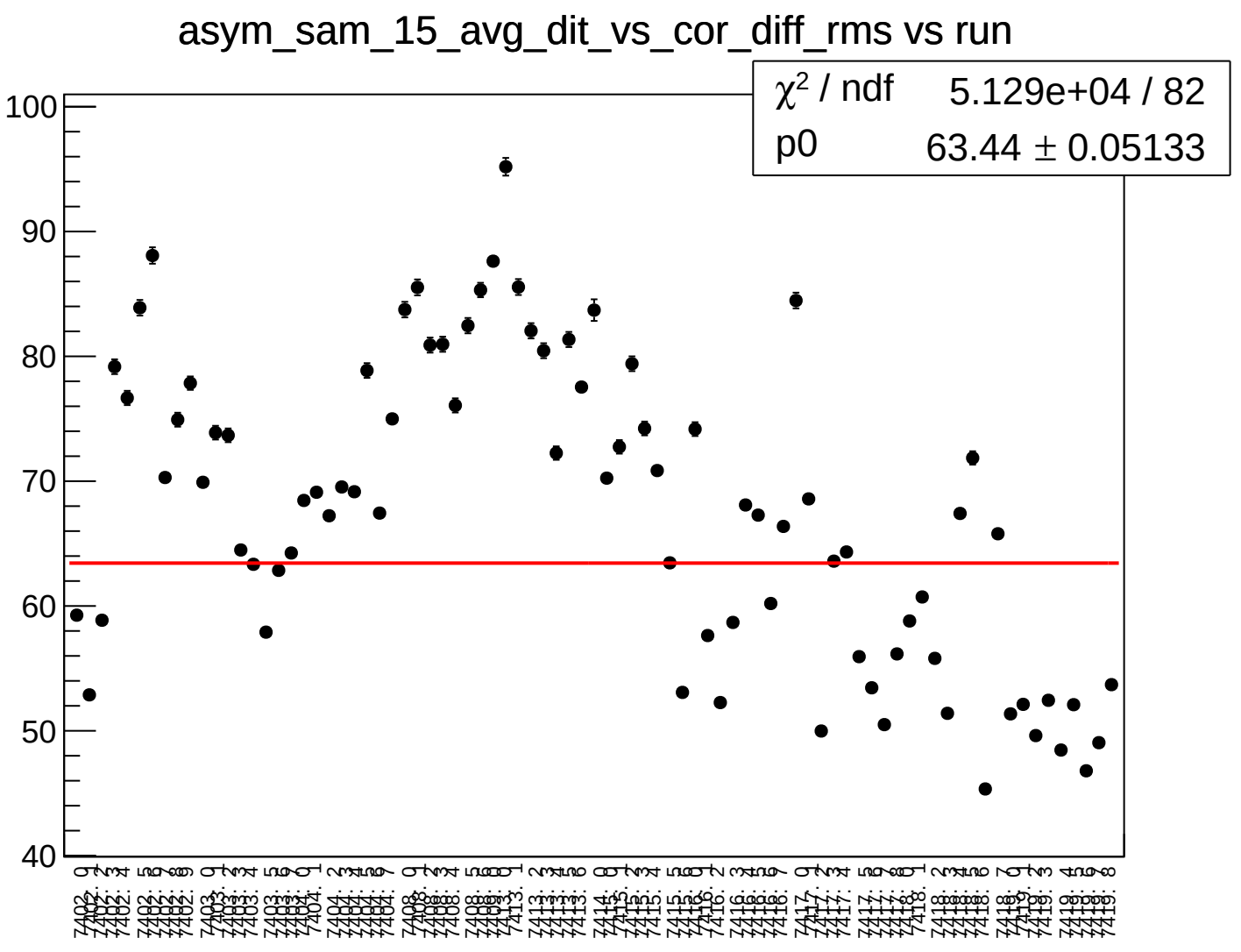

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.109e+04 / 82
p0 387.5 ± 0.3095
460
440
420
400
380
360
340
320
300

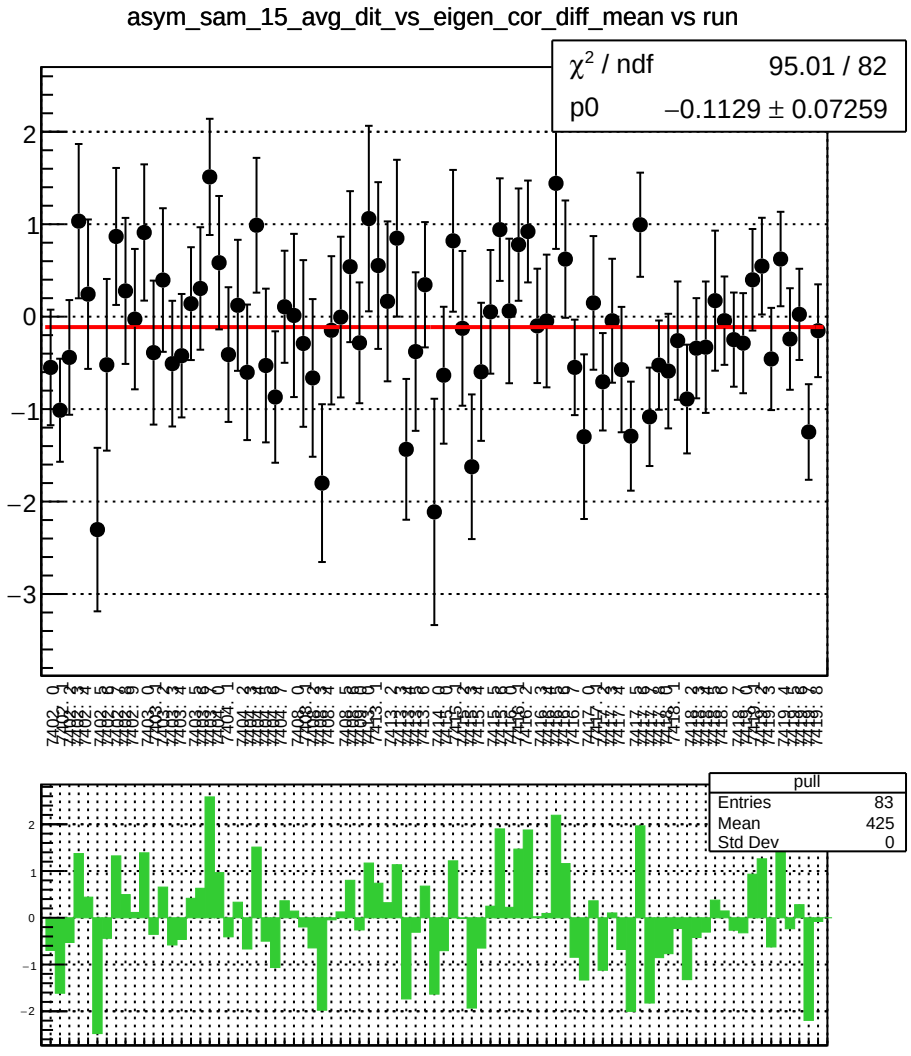

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 70.56 / 82
p0 −9.384e−16 ± 2.577e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 83
Mean 17.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

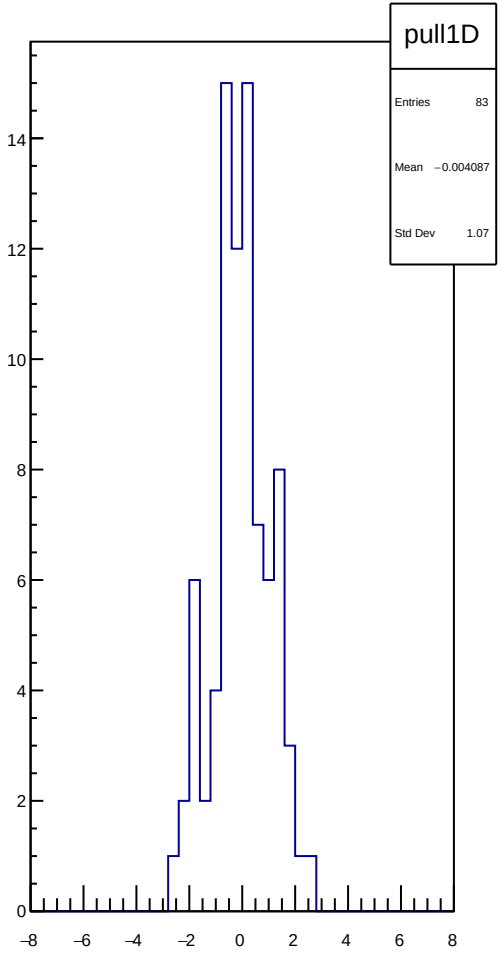

pull1D
Entries 83
Mean −0.1403
Std Dev 0.9113
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

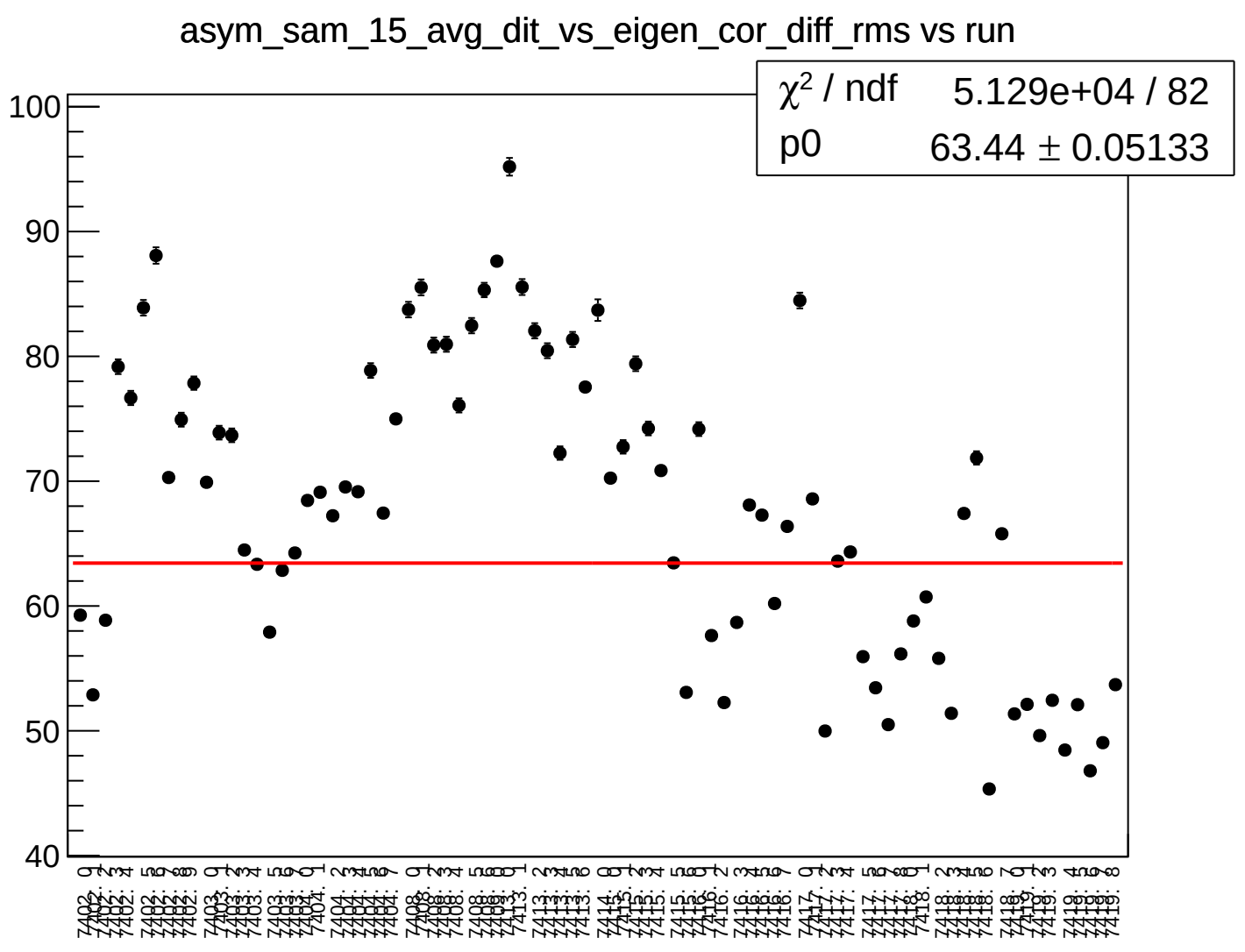

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.288e+06 / 82
p0 9.828e−12 ± 1.822e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

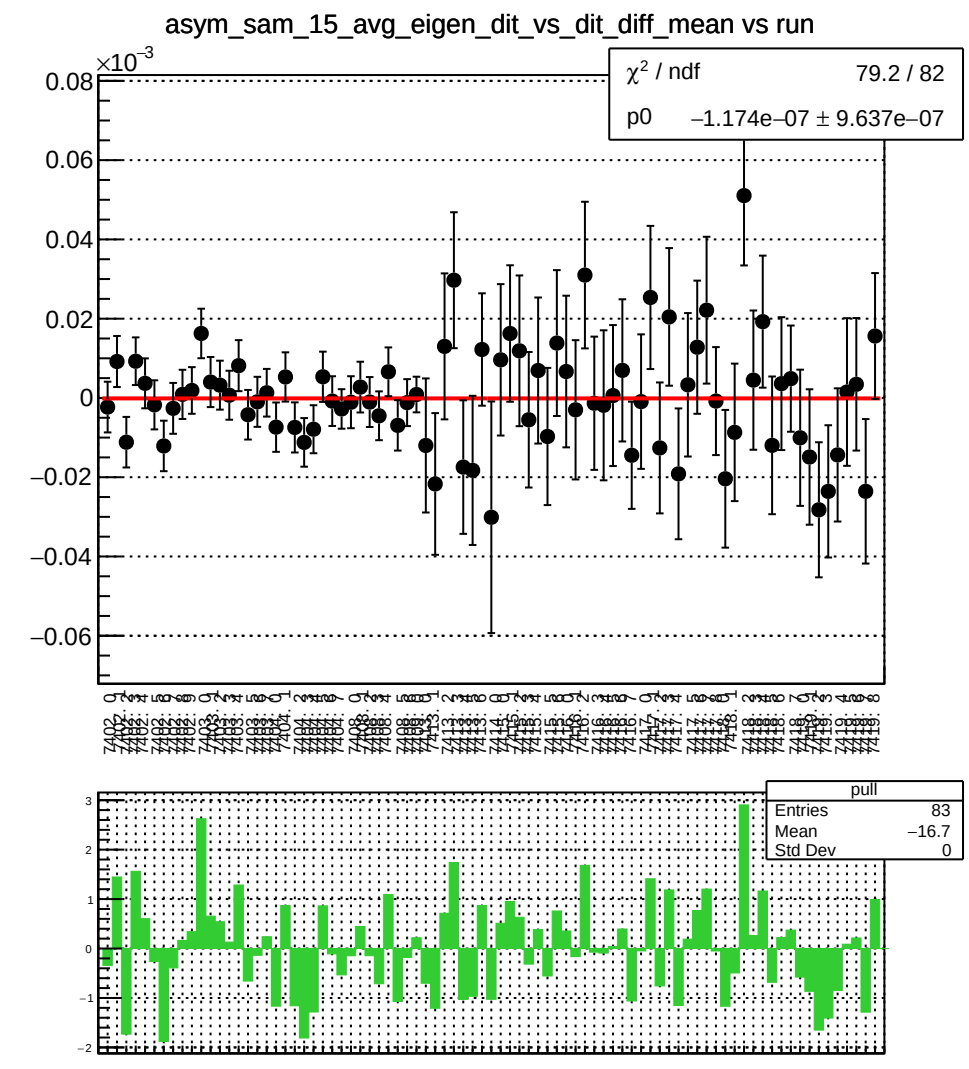

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 95.01 / 82
p0 −0.1129 ± 0.07259
pull
Entries 83
Mean 425
Std Dev 0
pull1D
Entries 83
Mean −0.004087
Std Dev 1.07

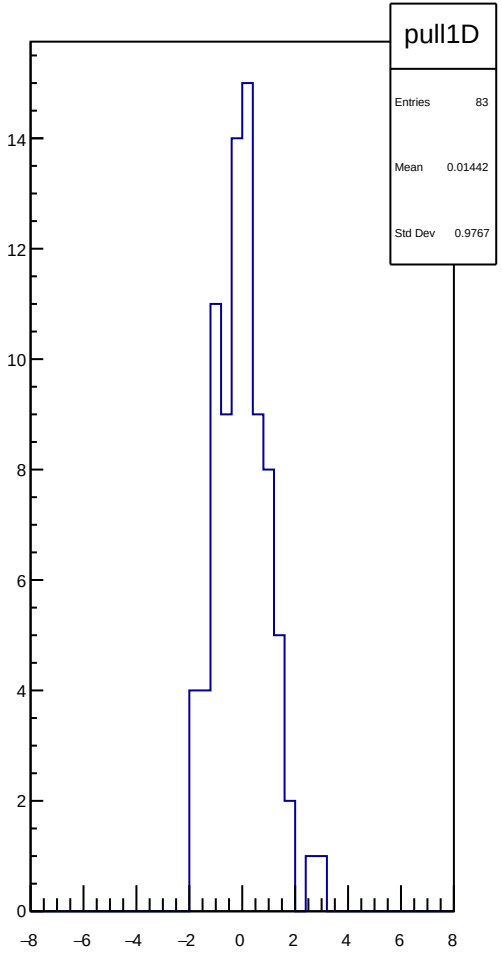

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.129e+04 / 82
p0 63.44 ± 0.05133
100
90
80
70
60
50
40

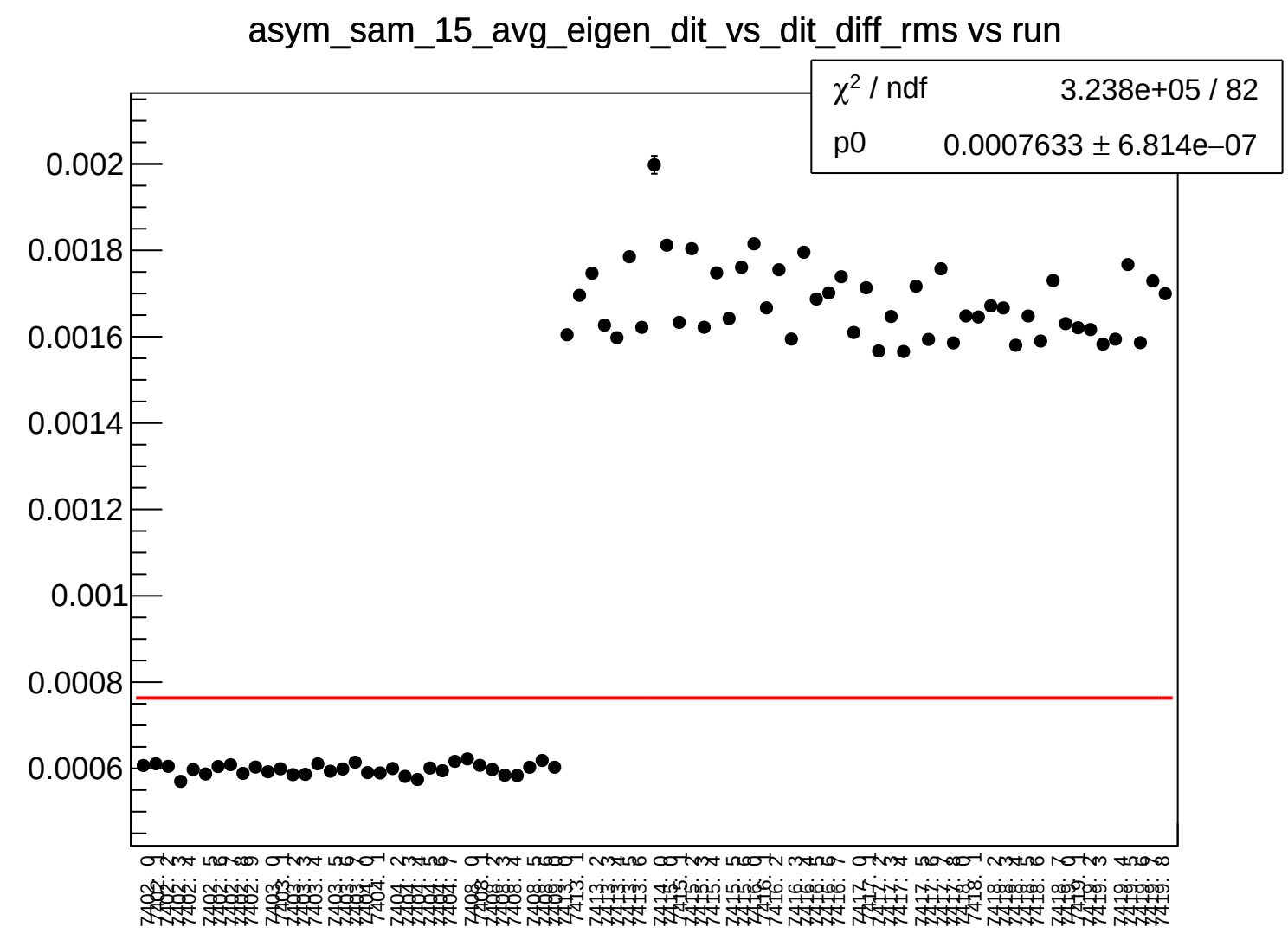

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.01 / 82
p0 −0.1129 ± 0.07259
pull
Entries 83
Mean 425
Std Dev 0

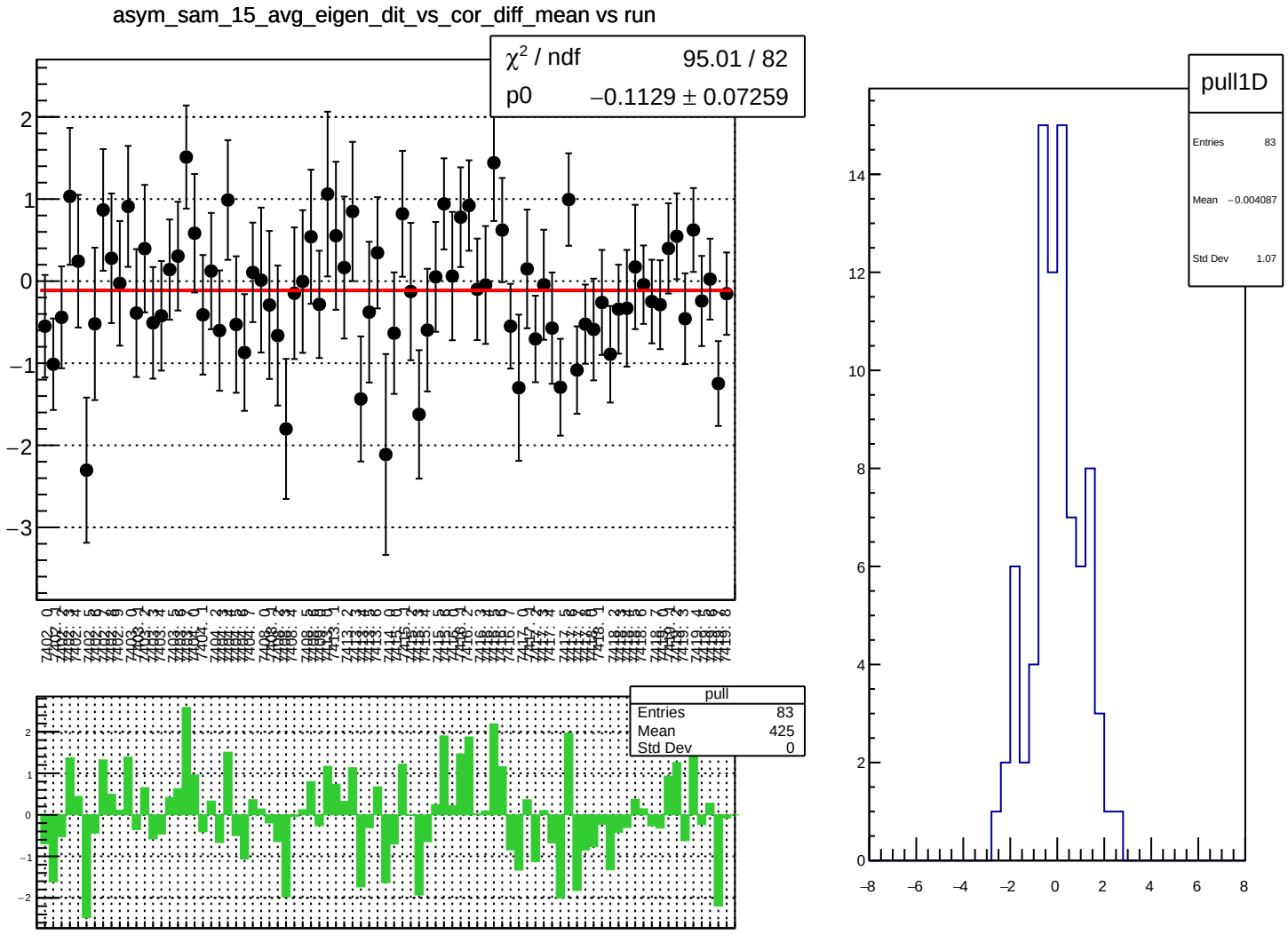

pull1D
Entries 83
Mean −0.004087
Std Dev 1.07

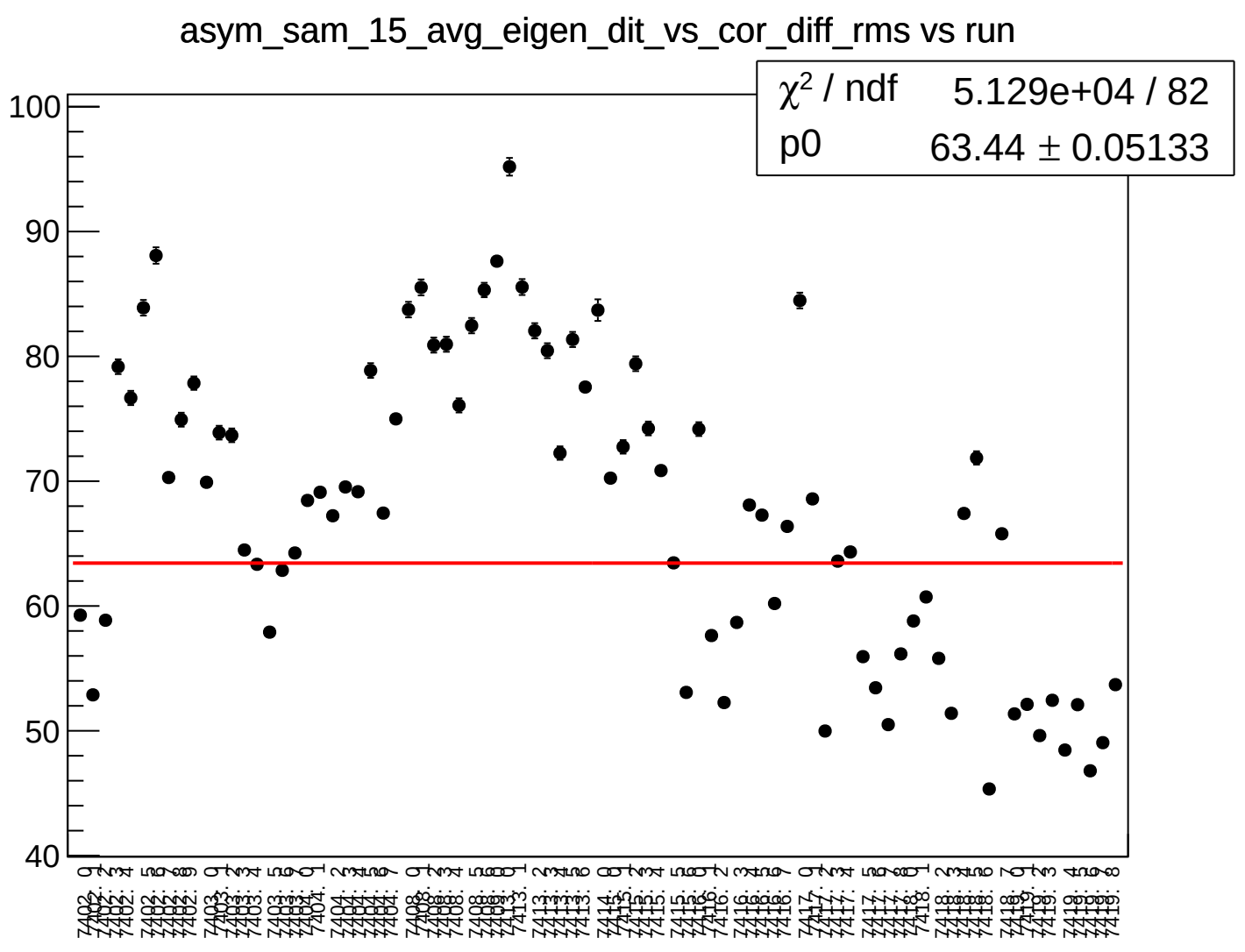

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.129e+04 / 82
p0 63.44 ± 0.05133
100
90
80
70
60
50
40

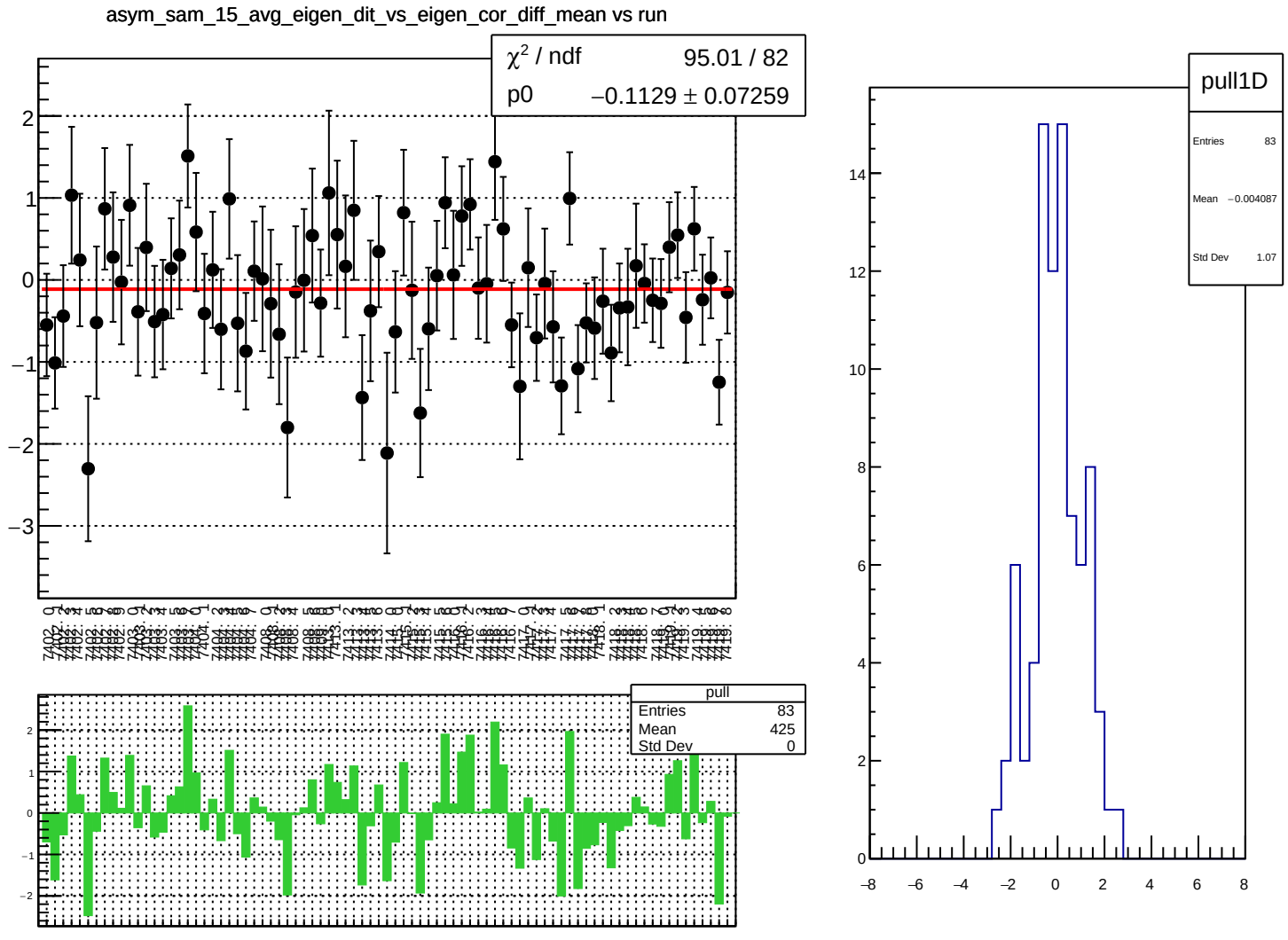

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.2 / 82
p0 −1.174e−07 ± 9.637e−07
pull
Entries 83
Mean −16.7
Std Dev 0

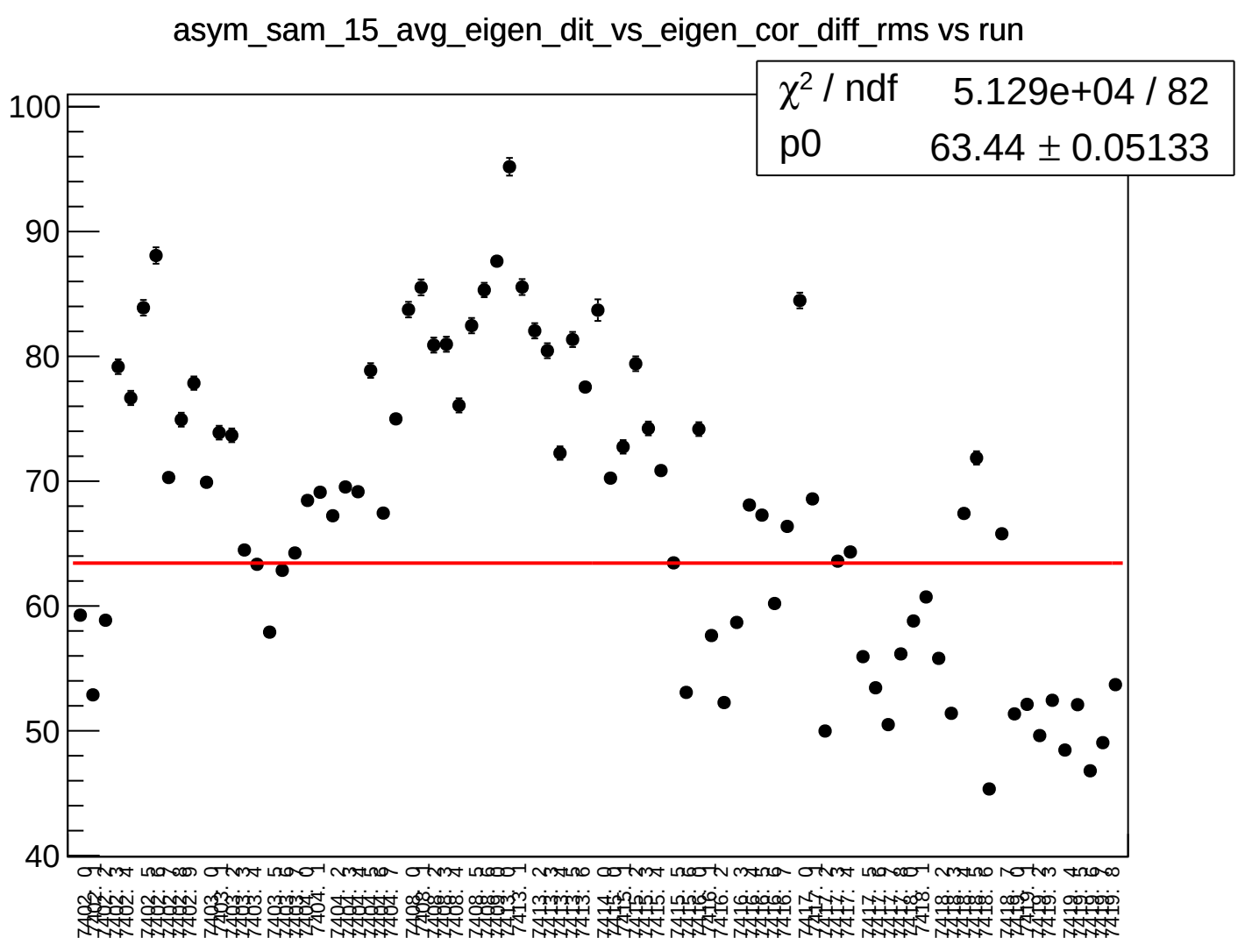

pull1D
Entries 83
Mean 0.01442
Std Dev 0.9767

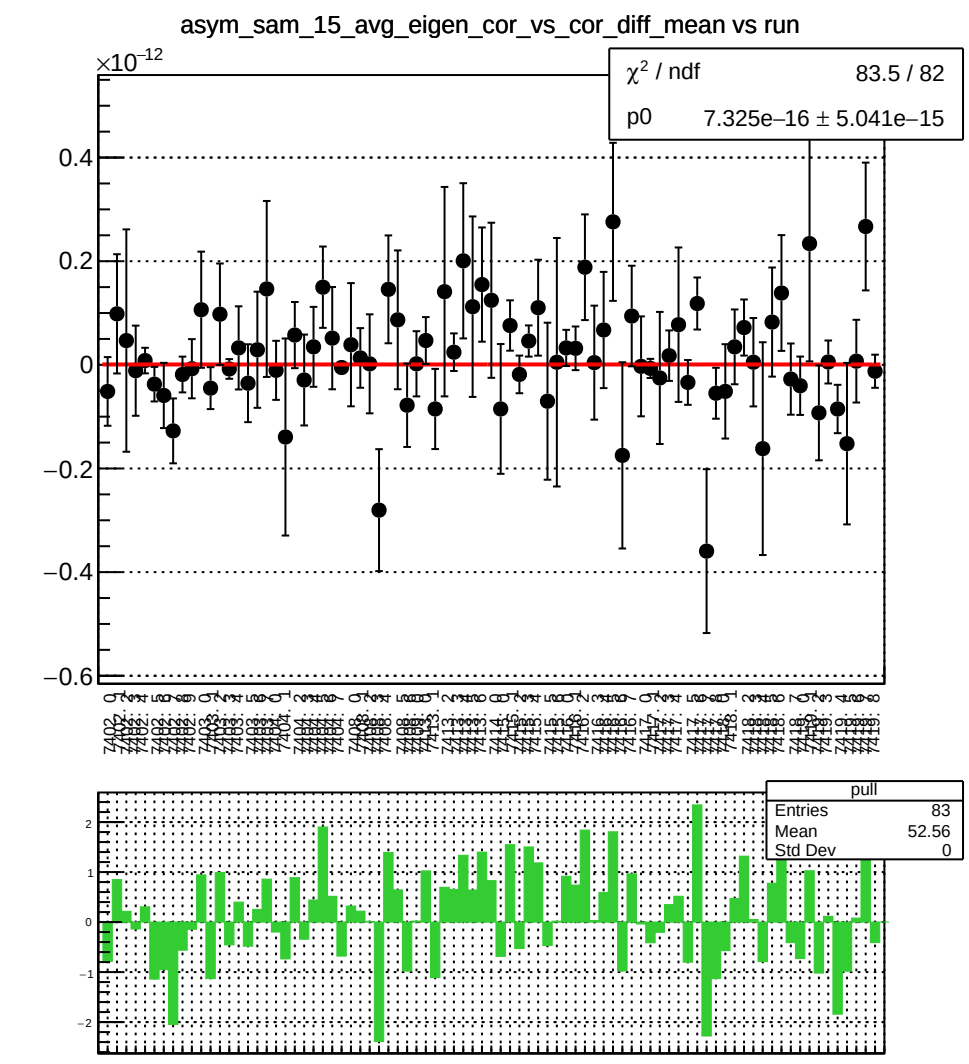

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.238e+05 / 82
p0 0.0007633 ± 6.814e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

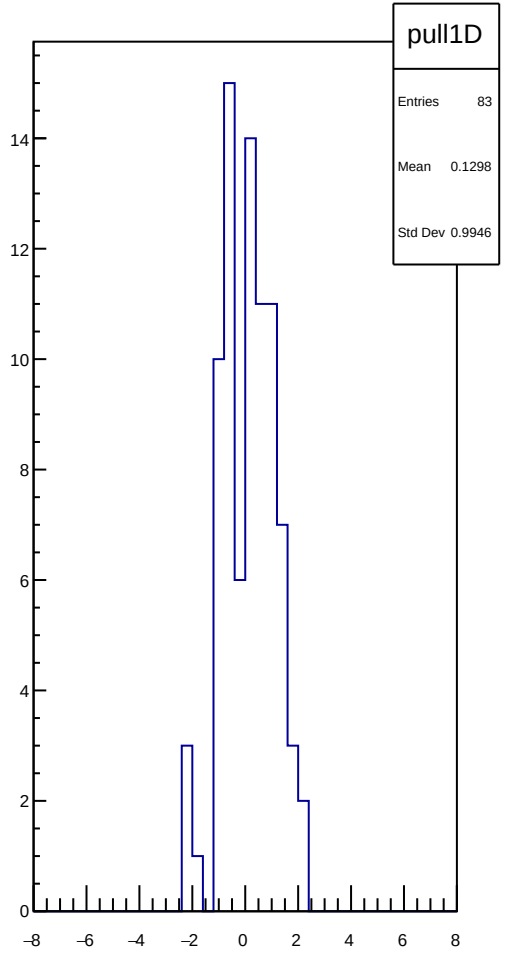

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.01 / 82
p0 −0.1129 ± 0.07259
pull
Entries 83
Mean 425
Std Dev 0
pull1D
Entries 83
Mean −0.004087
Std Dev 1.07

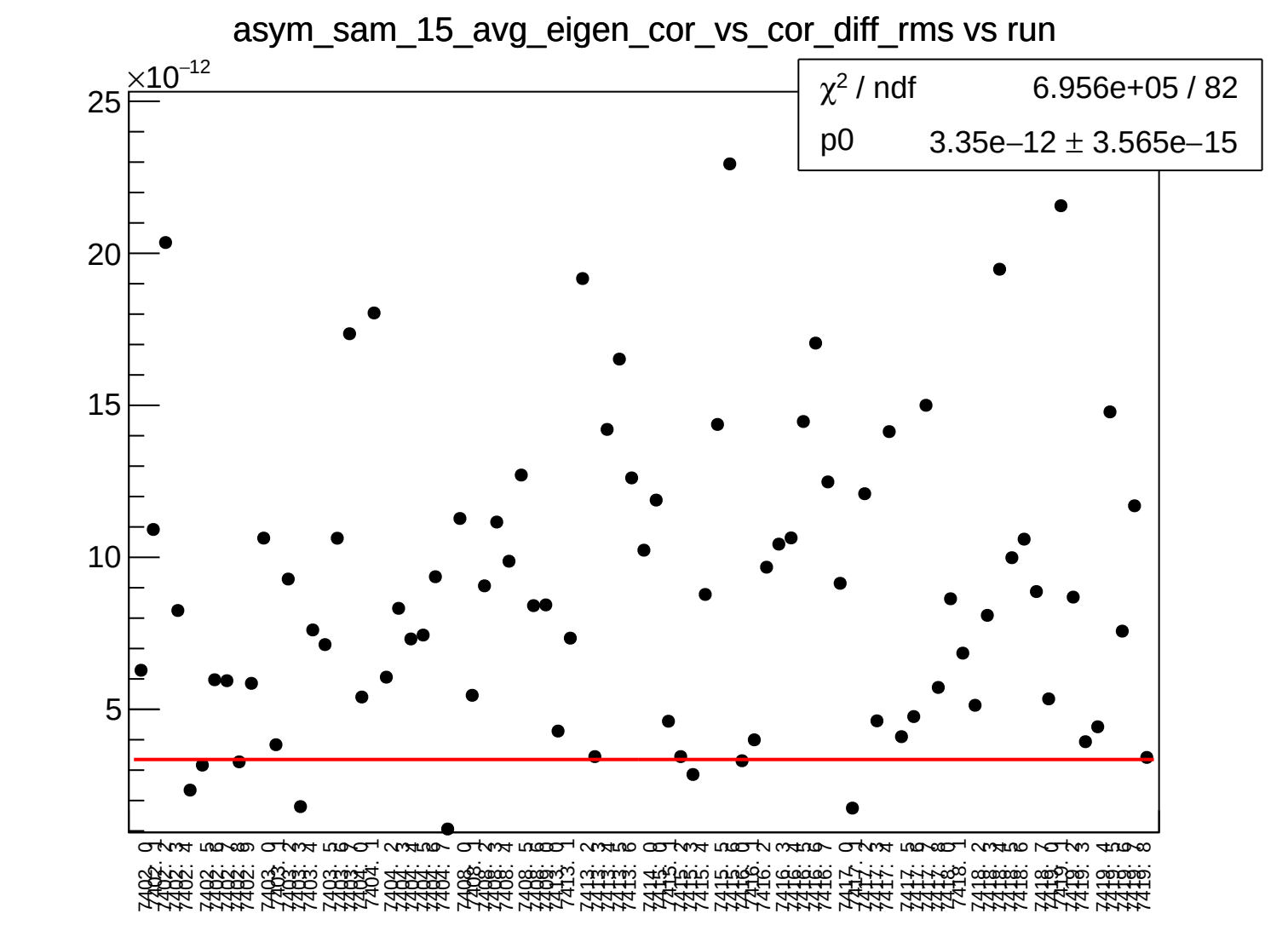

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.129e+04 / 82
p0 63.44 ± 0.05133
100
90
80
70
60
50
40

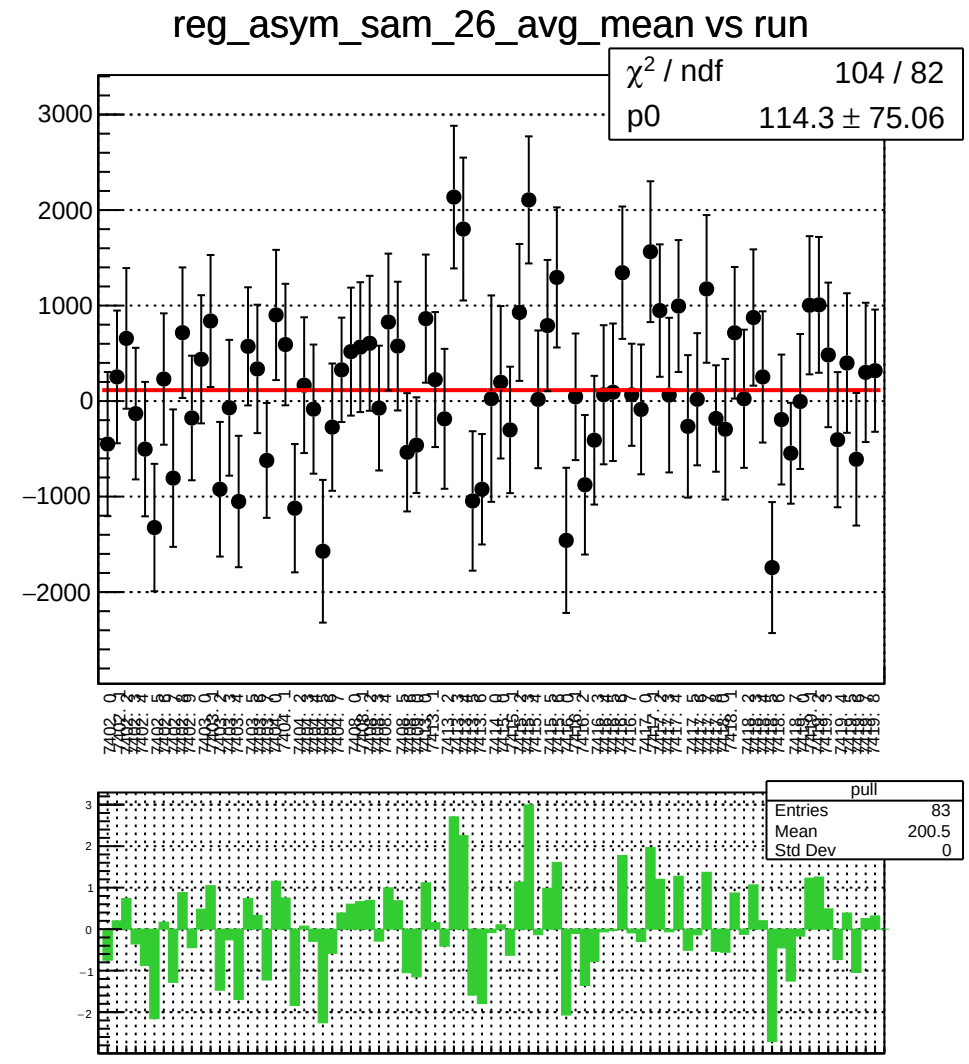

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.01 / 82
p0 −0.1129 ± 0.07259
pull
Entries 83
Mean 425
Std Dev 0
pull1D
Entries 83
Mean −0.004087
Std Dev 1.07

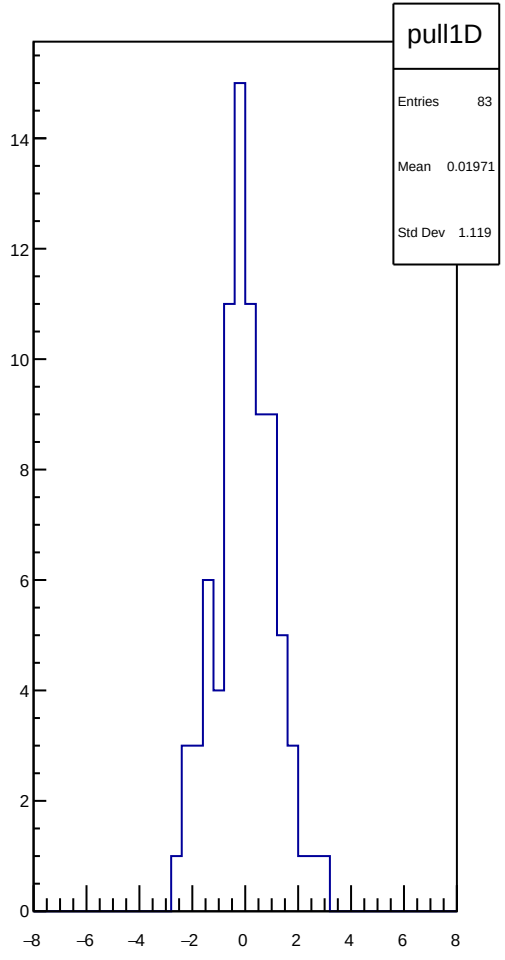

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.129e+04 / 82
p0 63.44 ± 0.05133
100
90
80
70
60
50
40

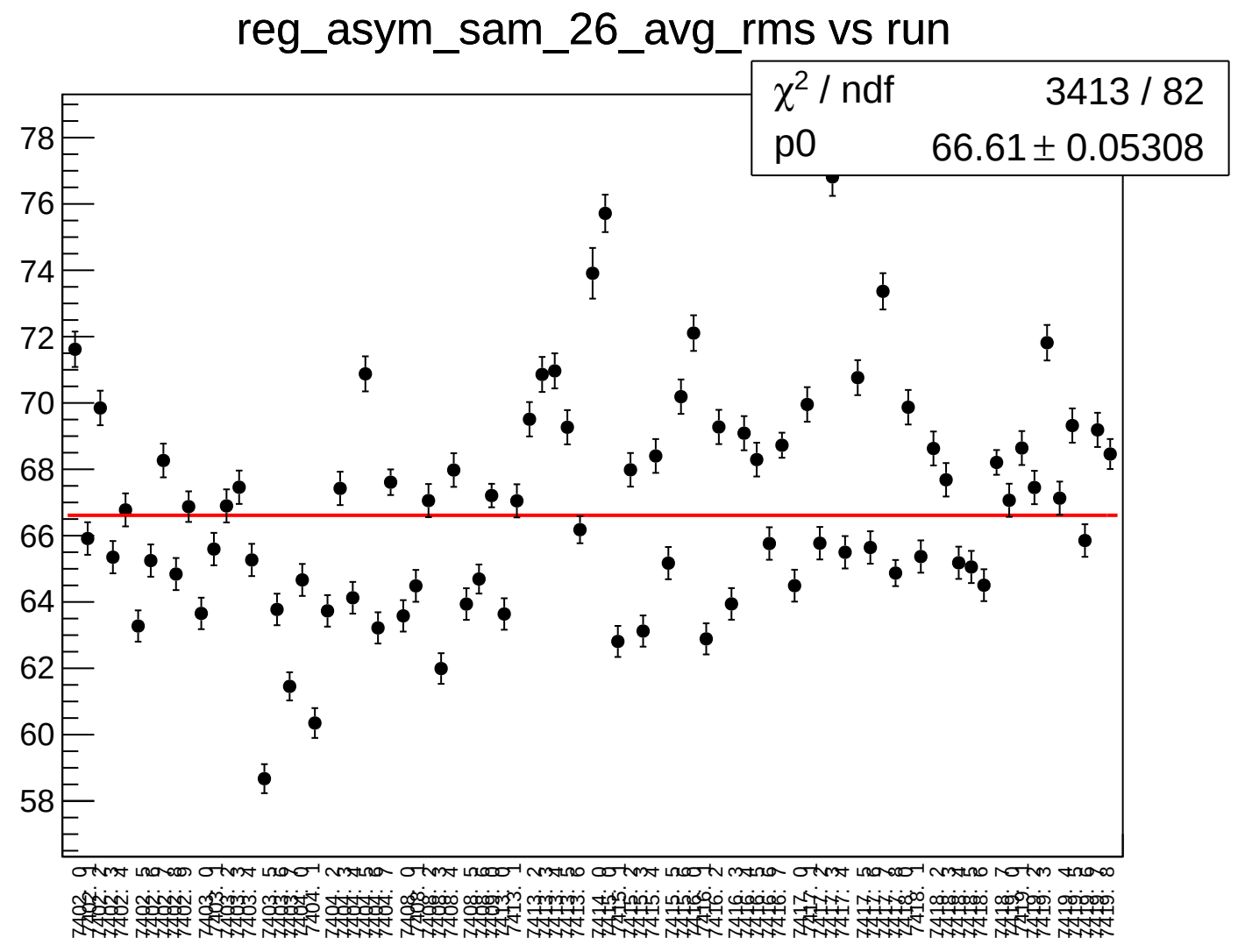

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.5 / 82
p0 7.325e−16 ± 5.041e−15
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 83
Mean 52.56
Std Dev 0
2
1
0
−1
−2

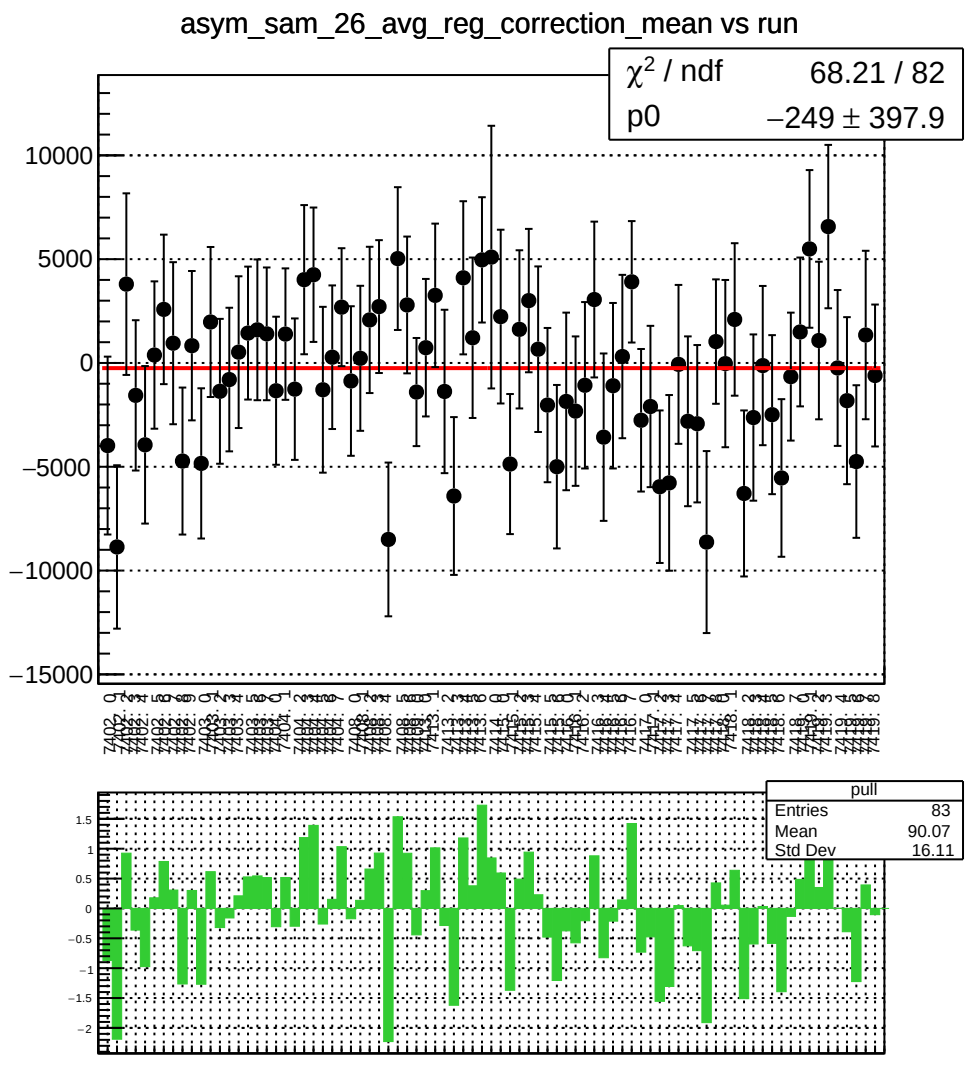

pull1D
Entries 83
Mean 0.1298
Std Dev 0.9946
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

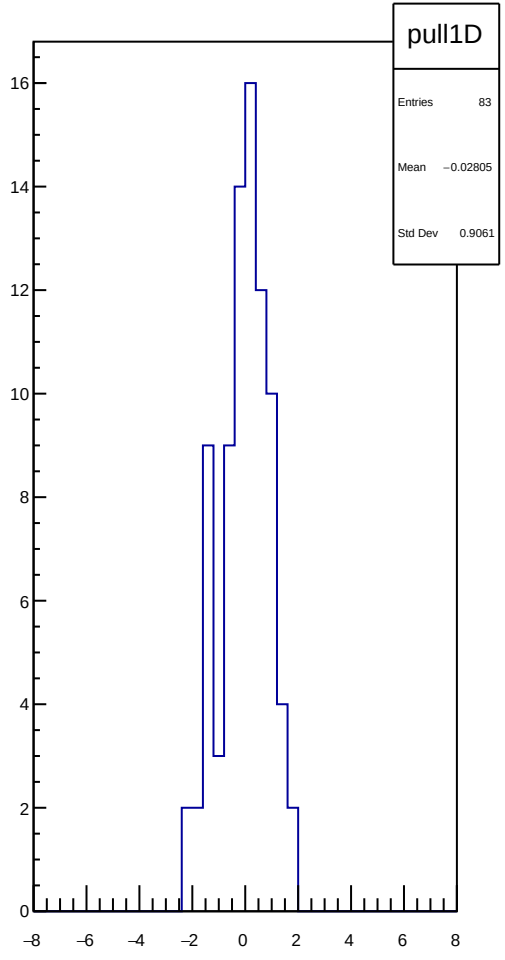

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
25
20
15
10
5
χ² / ndf 6.956e+05 / 82
p0 3.35e−12 ± 3.565e−15

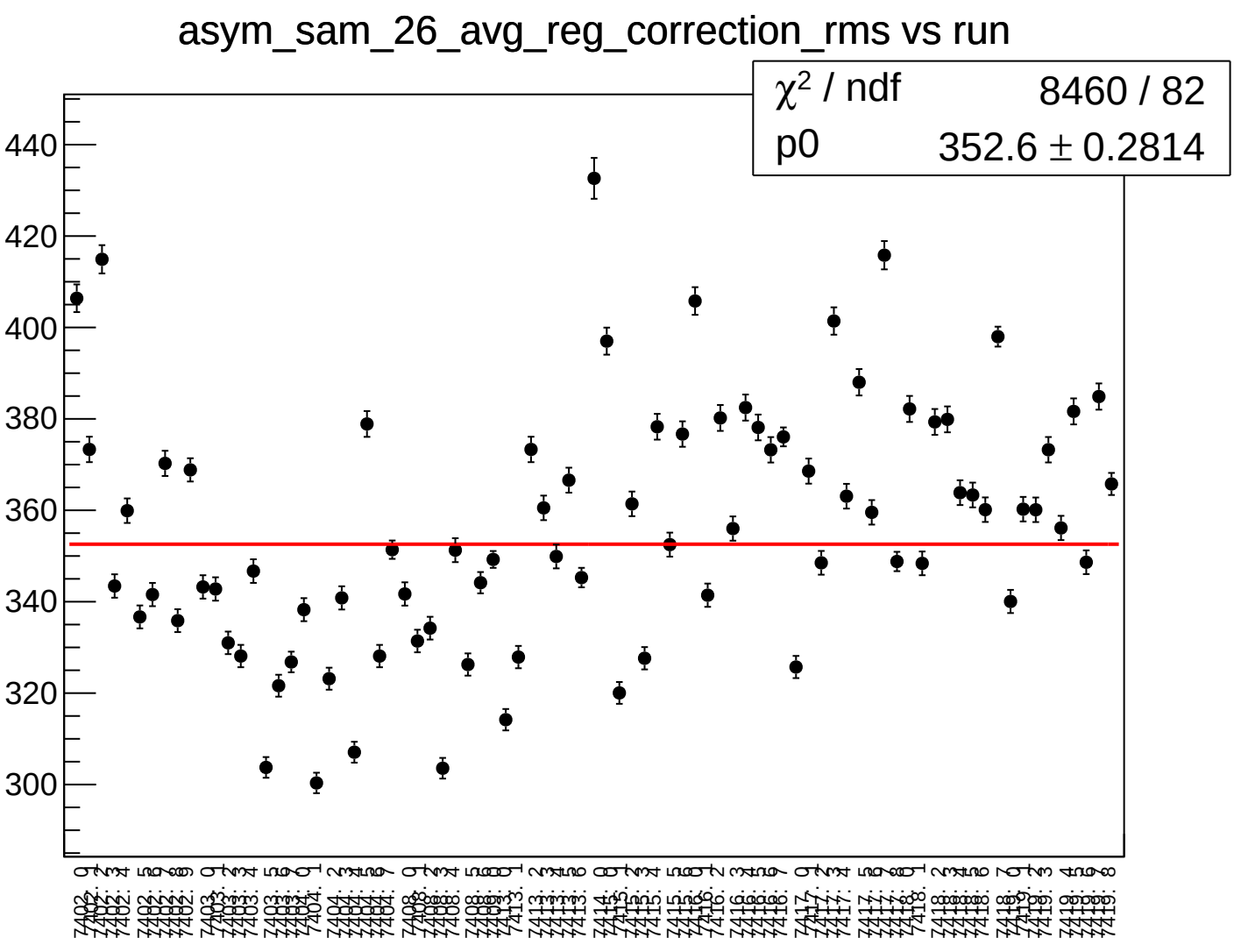

reg_asym_sam_26_avg_mean vs run
χ² / ndf 104 / 82
p0 114.3 ± 75.06
3000
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 200.5
Std Dev 0
3
2
1
0
−1
−2

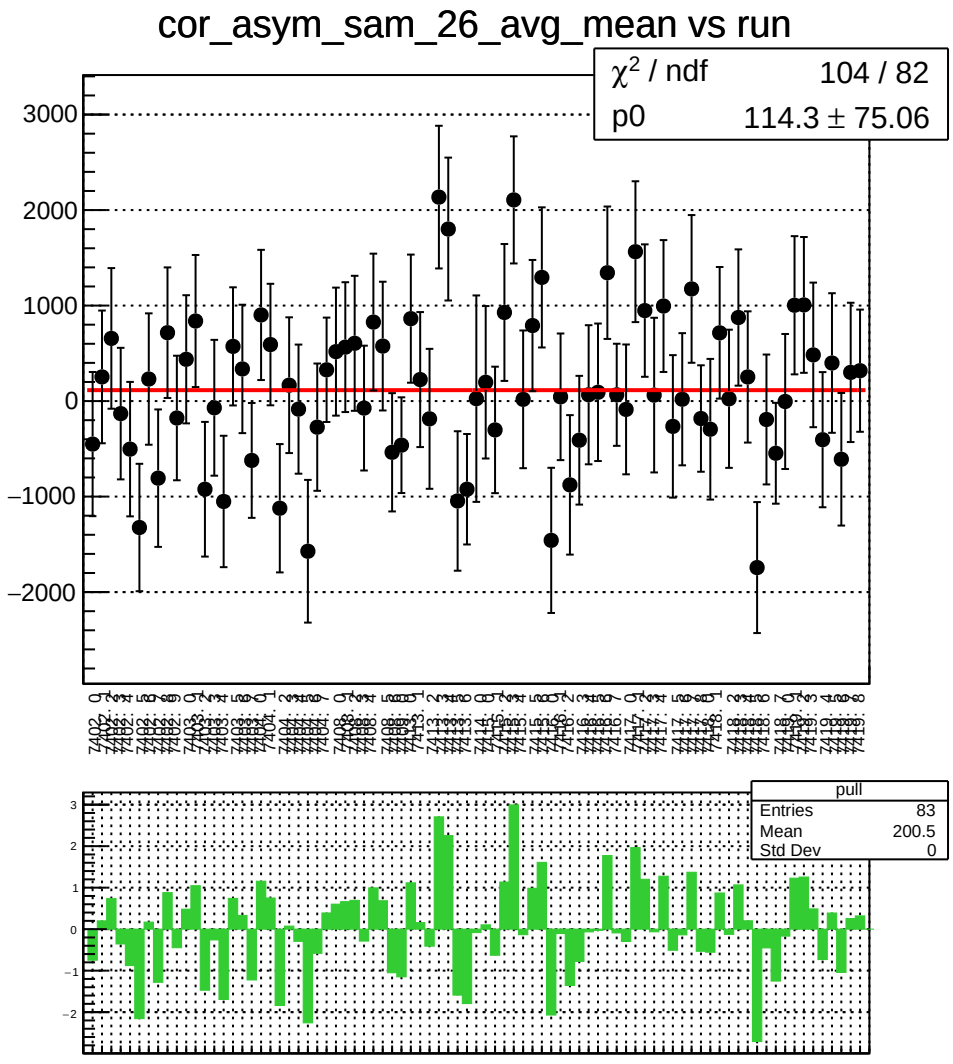

pull1D
Entries 83
Mean 0.01971
Std Dev 1.119
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

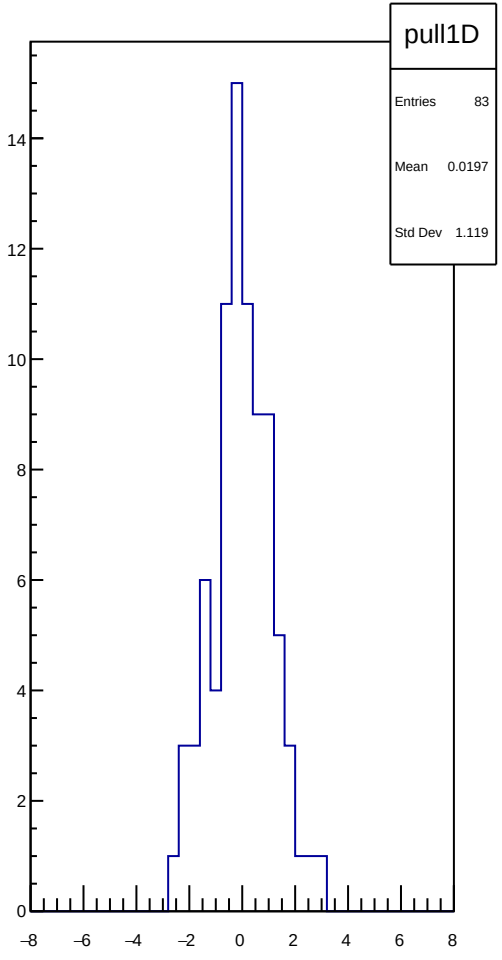

reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 3413 / 82
p0 66.61 ± 0.05308
78
76
74
72
70
68
66
64
62
60
58

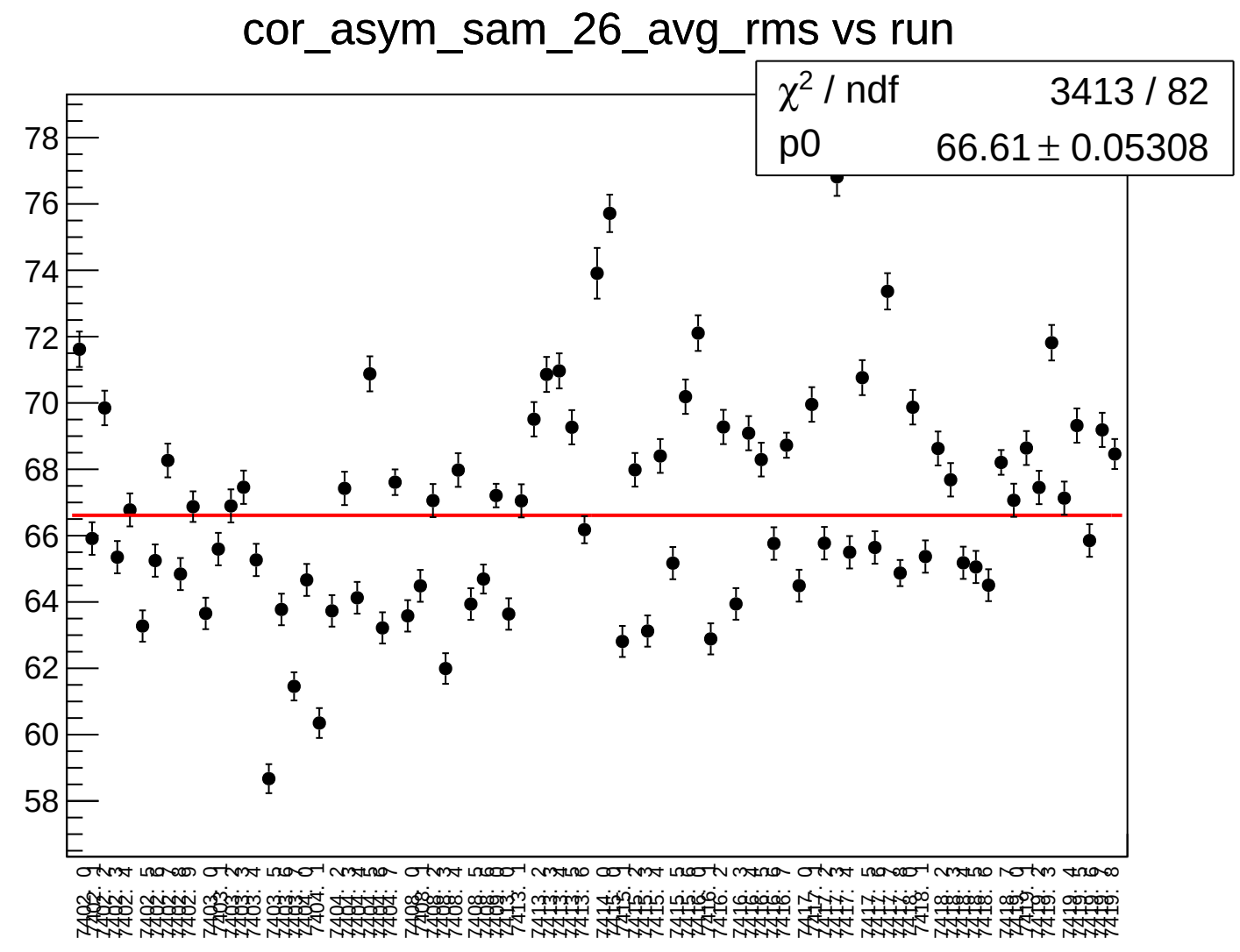

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 68.21 / 82
p0 −249 ± 397.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 90.07
Std Dev 16.11
1.5
1
0.5
0
−0.5
−1
−1.5
−2

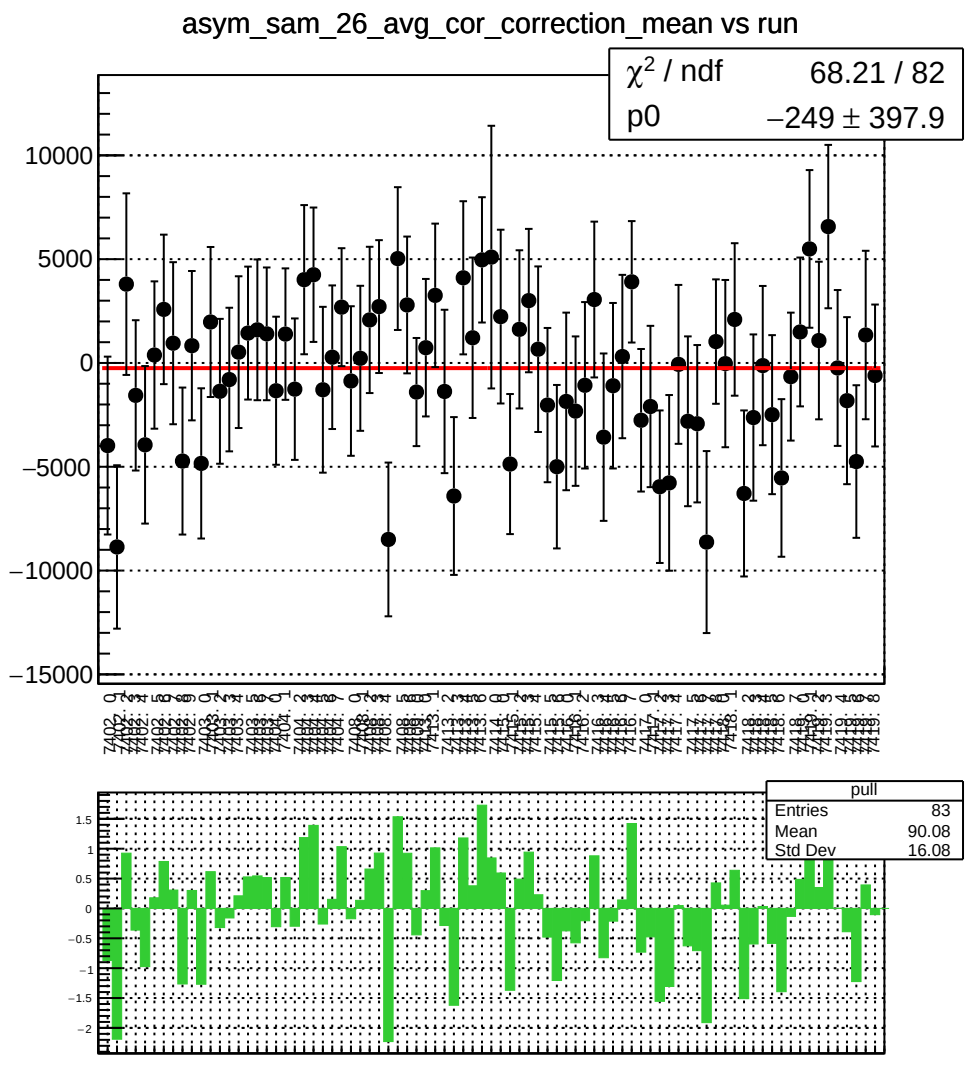

pull1D
Entries 83
Mean −0.02805
Std Dev 0.9061
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

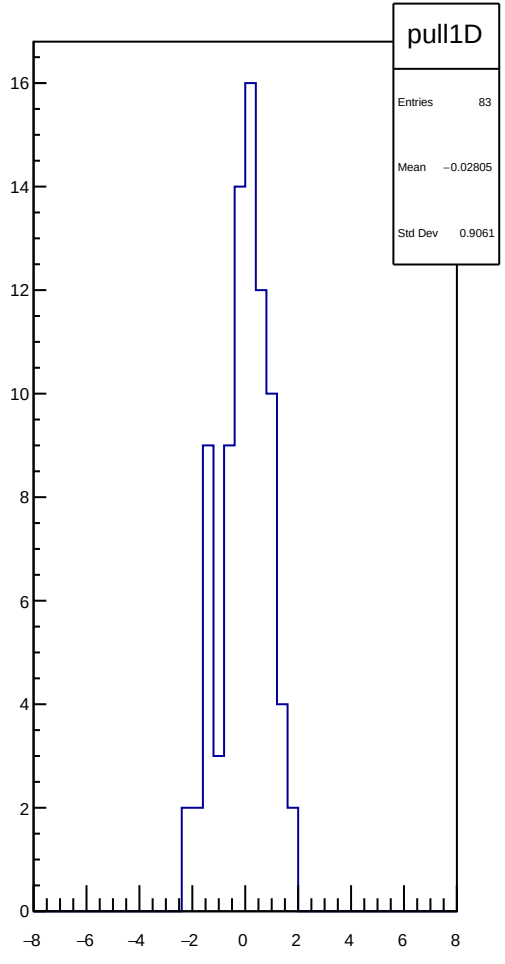

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 8460 / 82
p0 352.6 ± 0.2814
440
420
400
380
360
340
320
300

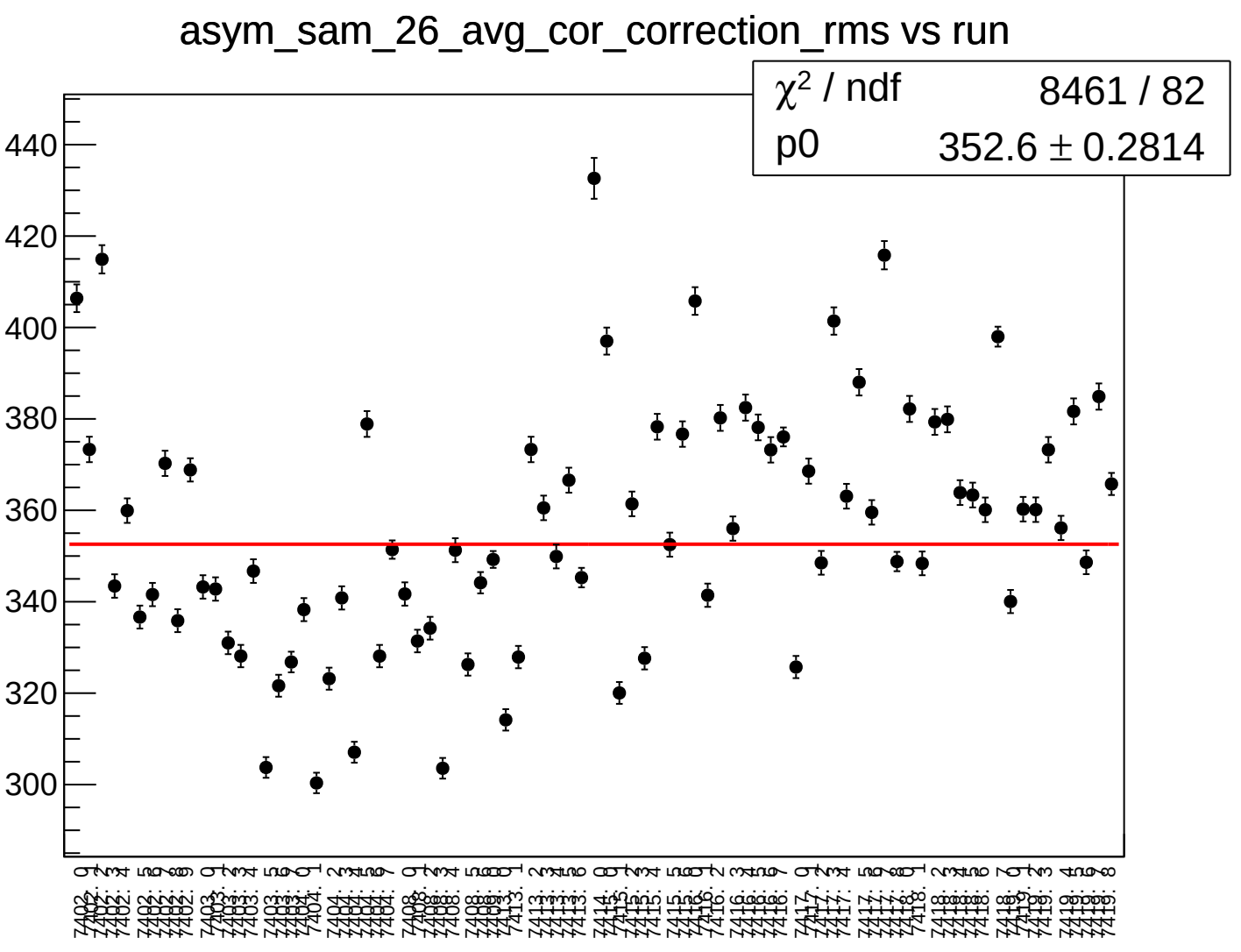

cor_asym_sam_26_avg_mean vs run
χ² / ndf 104 / 82
p0 114.3 ± 75.06
pull
Entries 83
Mean 200.5
Std Dev 0

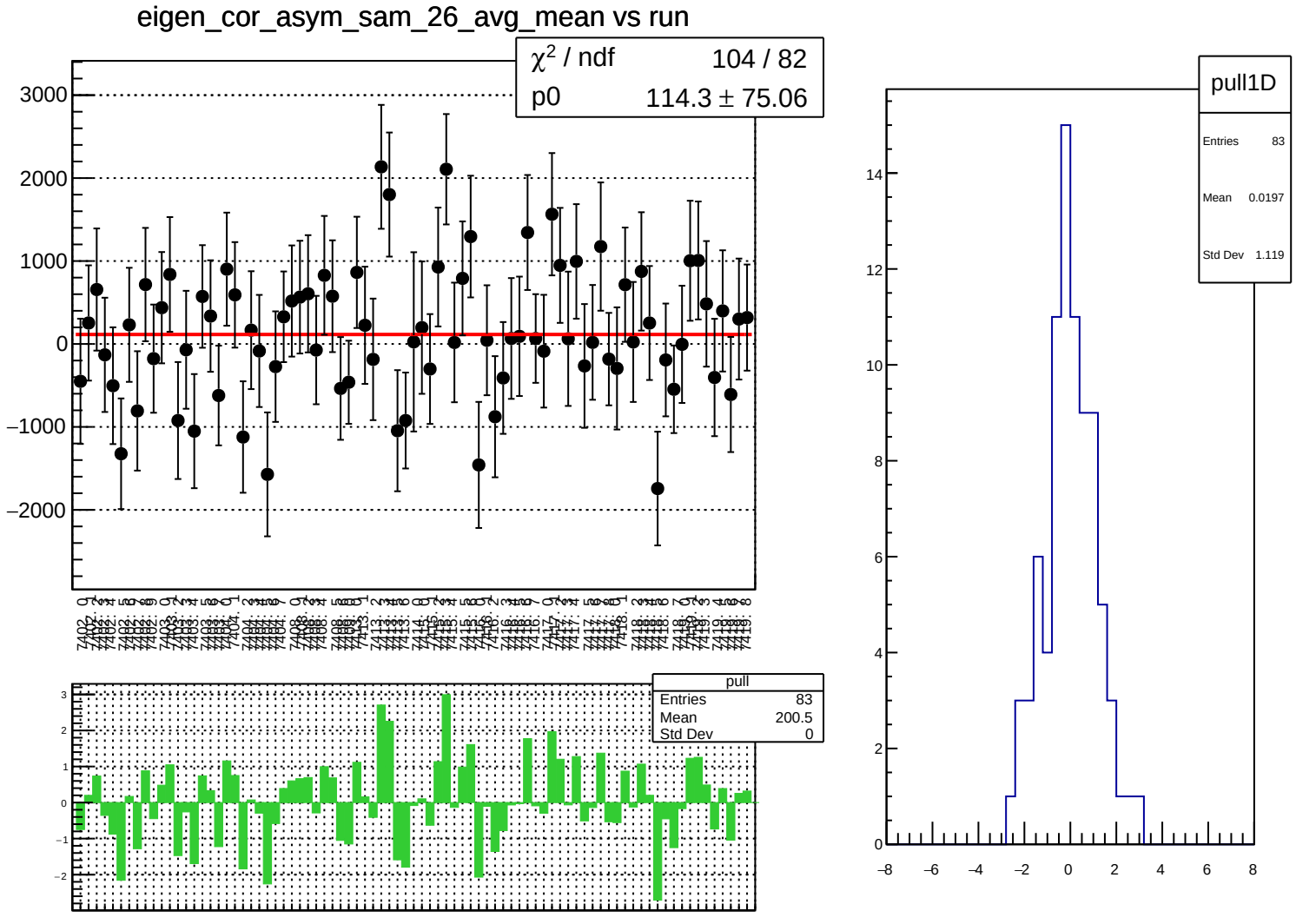

pull1D
Entries 83
Mean 0.0197
Std Dev 1.119

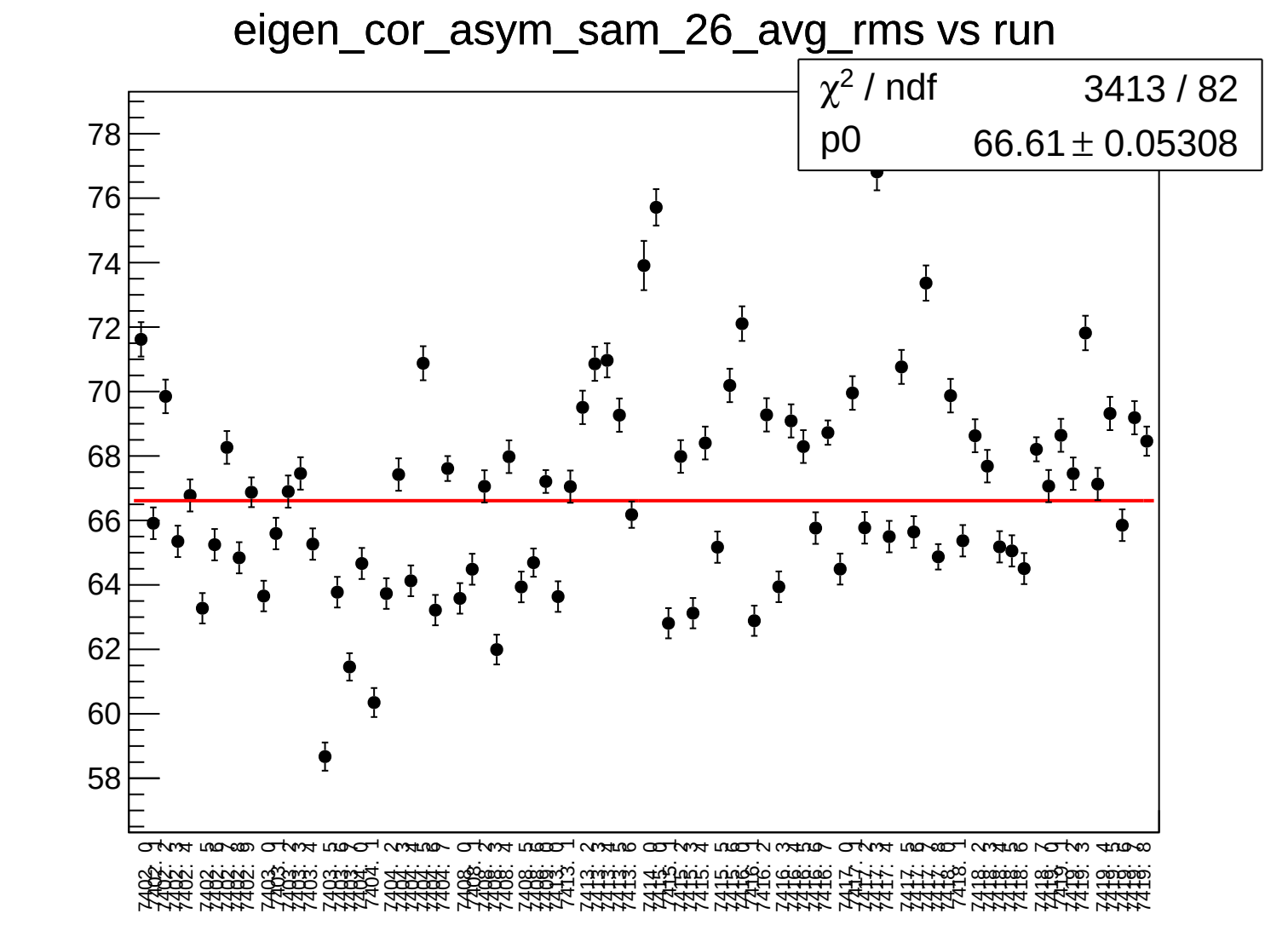

cor_asym_sam_26_avg_rms vs run
χ^2 / ndf 3413 / 82
p0 66.61 ± 0.05308
78
76
74
72
70
68
66
64
62
60
58

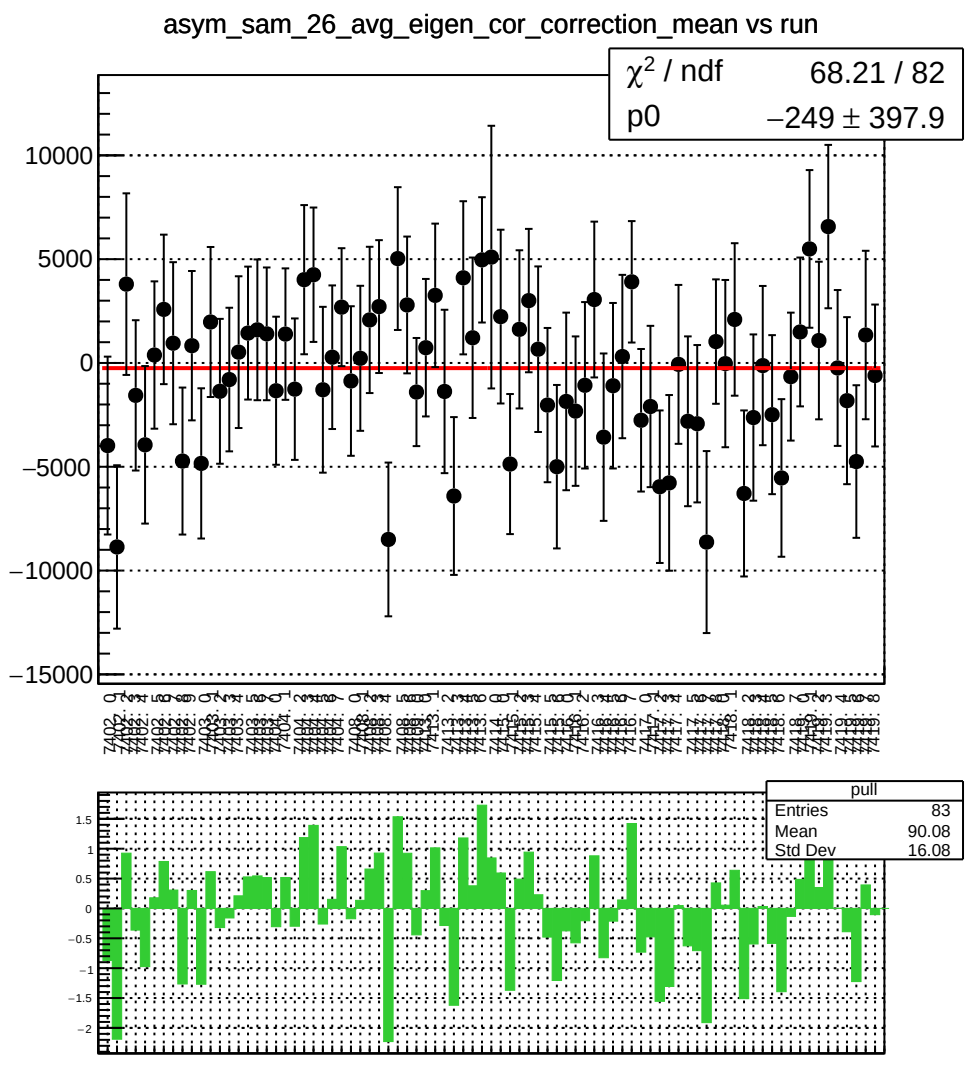

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 68.21 / 82
p0 −249 ± 397.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 90.08
Std Dev 16.08
1.5
1
0.5
0
−0.5
−1
−1.5
−2

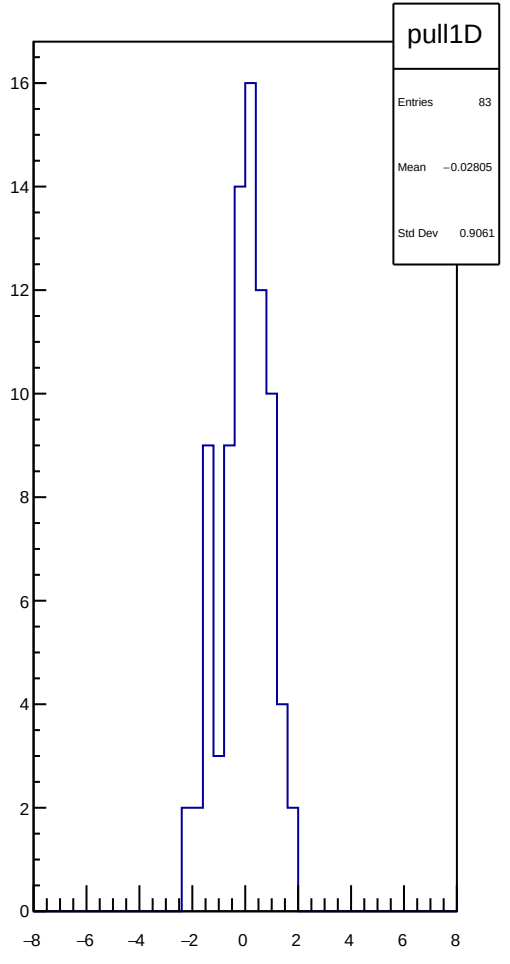

pull1D
Entries 83
Mean −0.02805
Std Dev 0.9061
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

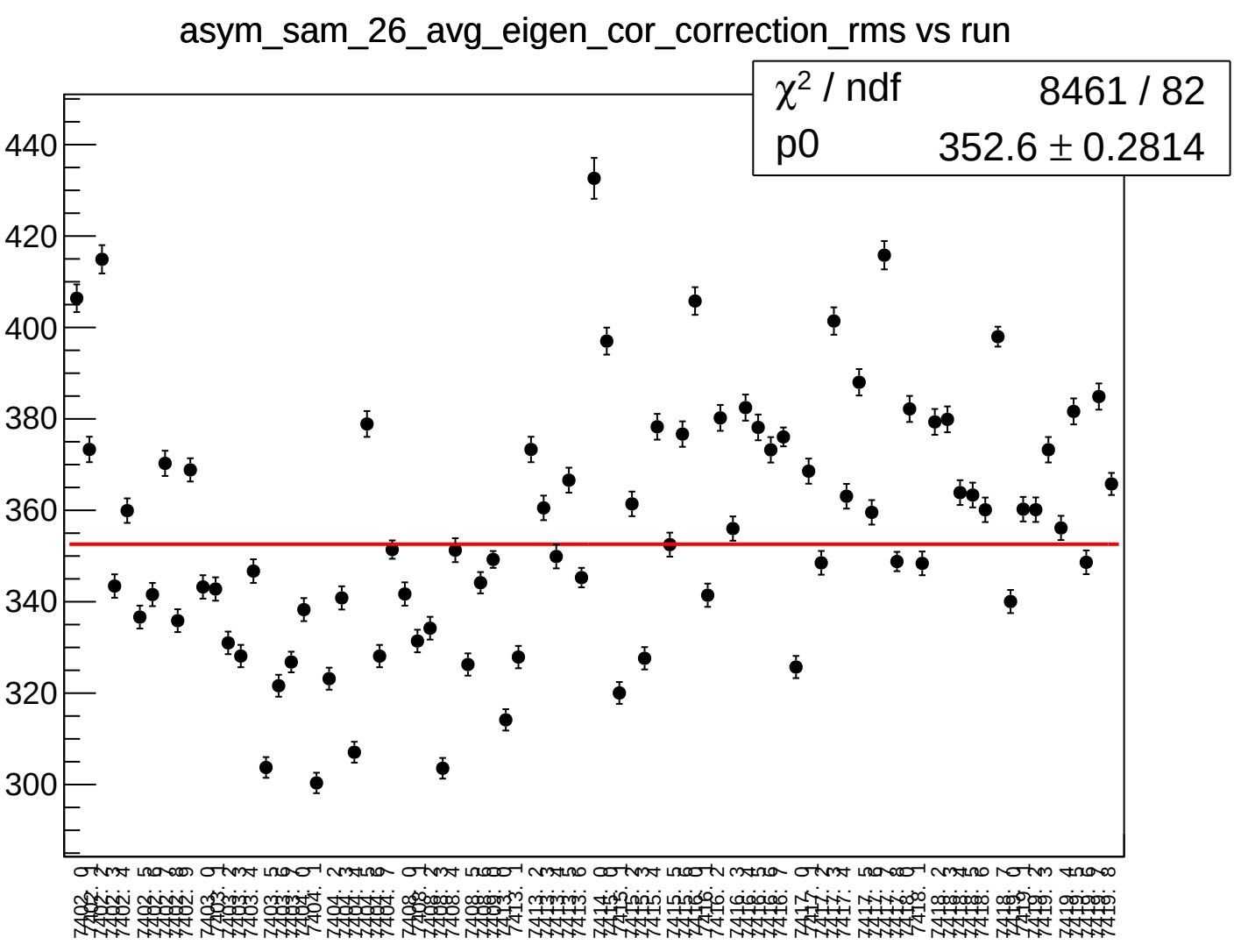

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 8461 / 82
p0 352.6 ± 0.2814
440
420
400
380
360
340
320
300

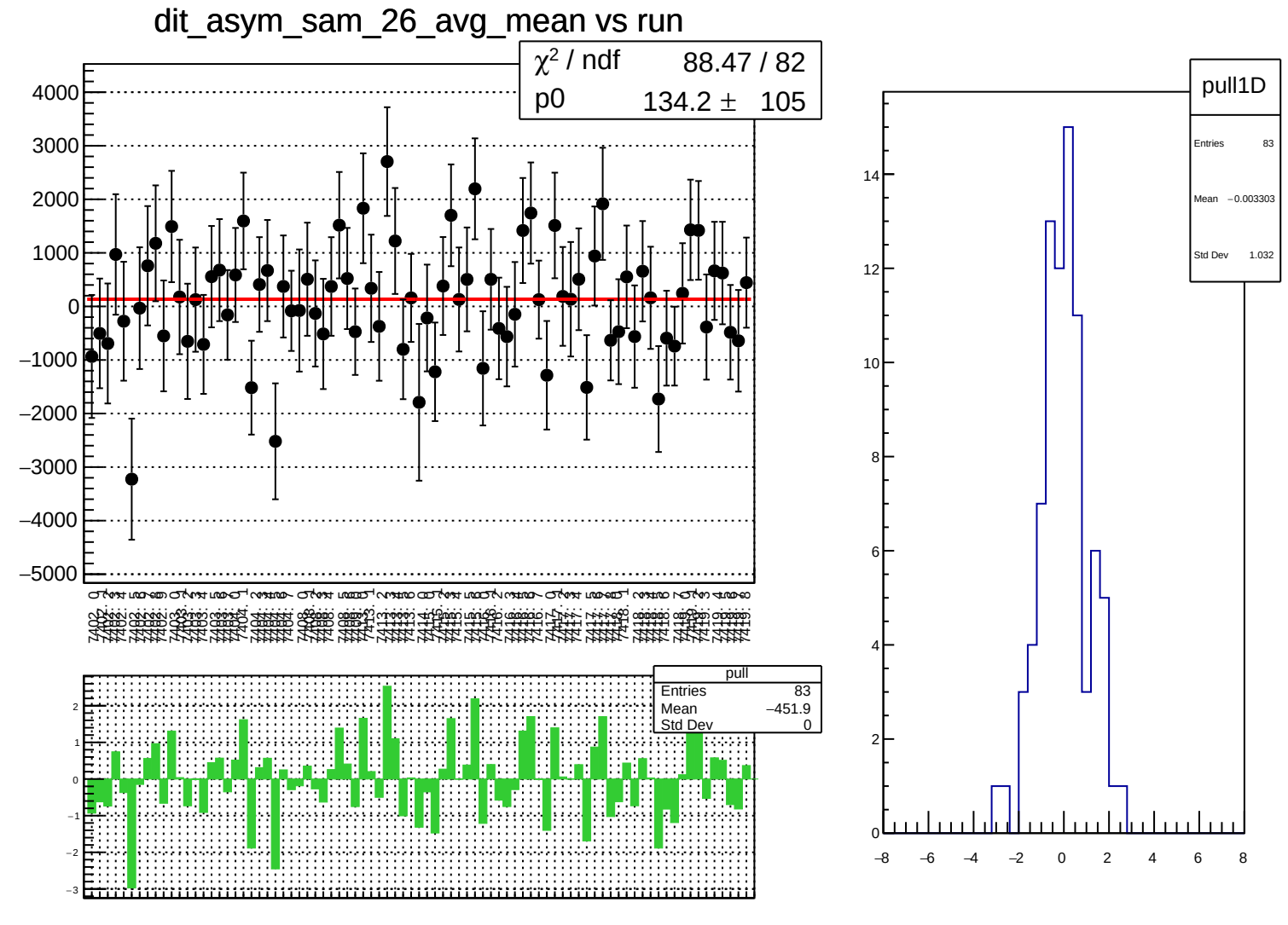

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 104 / 82
p0 114.3 ± 75.06
3000
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 200.5
Std Dev 0
pull1D
Entries 83
Mean 0.0197
Std Dev 1.119
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

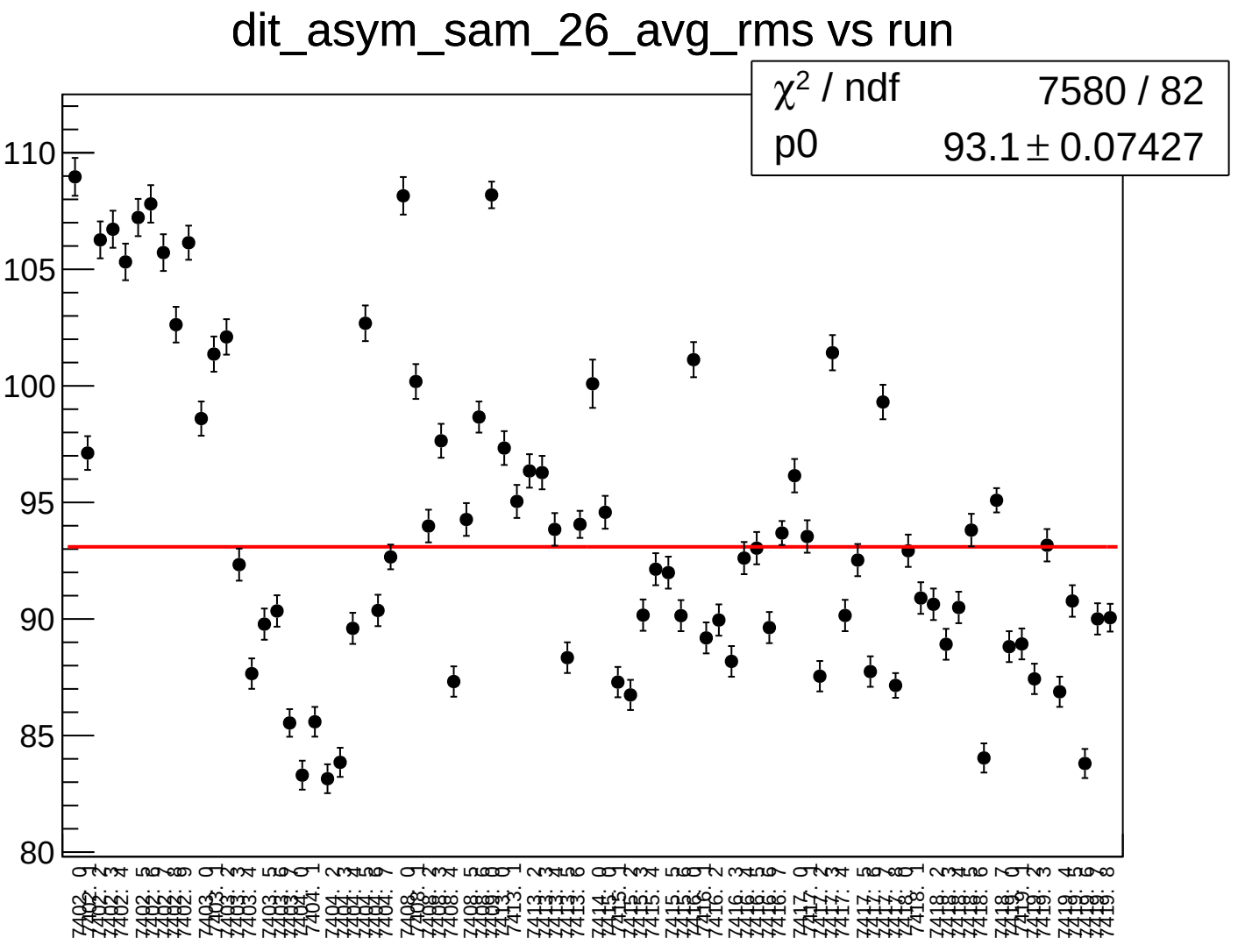

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 3413 / 82
p0 66.61 ± 0.05308
78
76
74
72
70
68
66
64
62
60
58

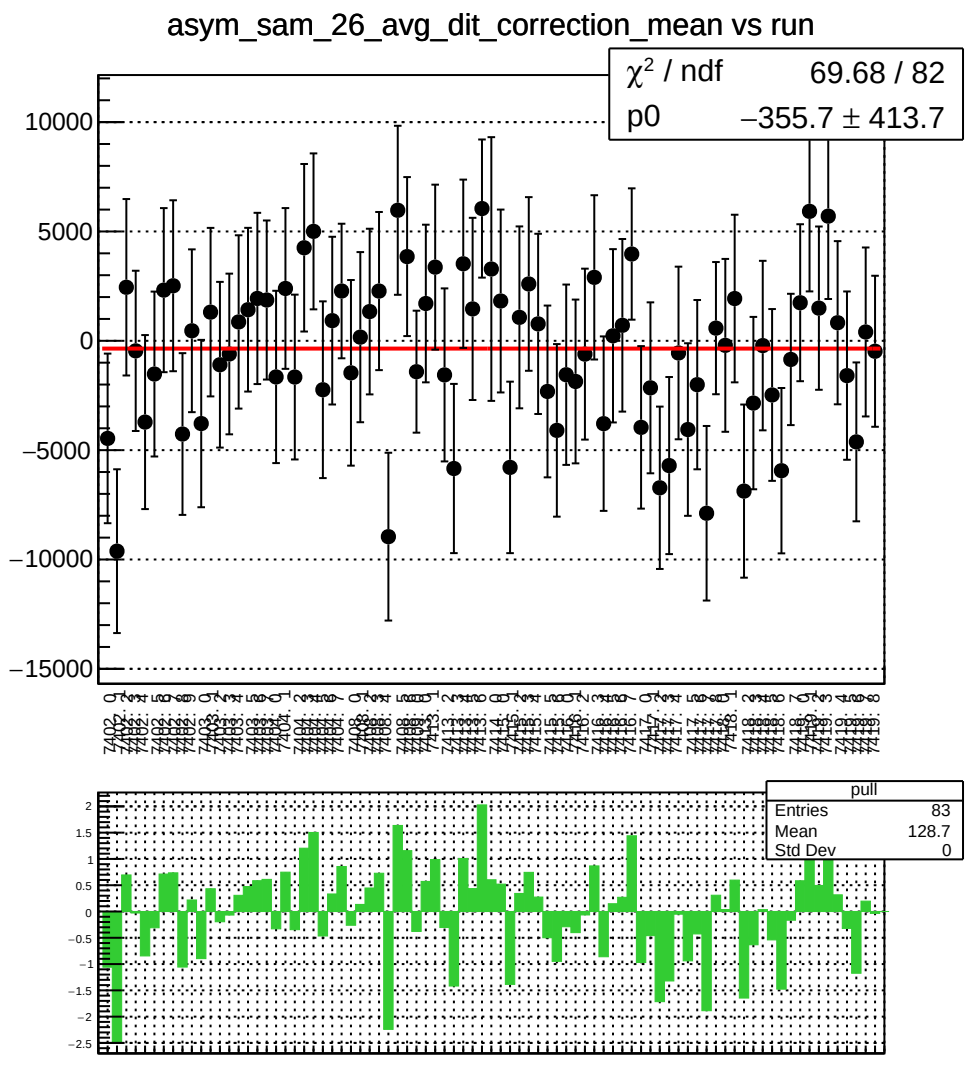

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 68.21 / 82
p0 −249 ± 397.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 90.08
Std Dev 16.08
1.5
1
0.5
0
−0.5
−1
−1.5
−2

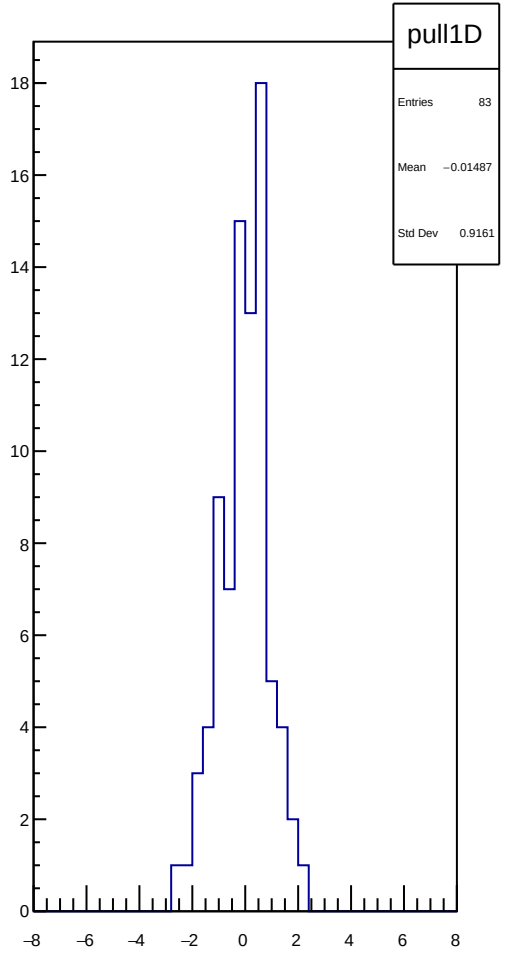

pull1D
Entries 83
Mean −0.02805
Std Dev 0.9061
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

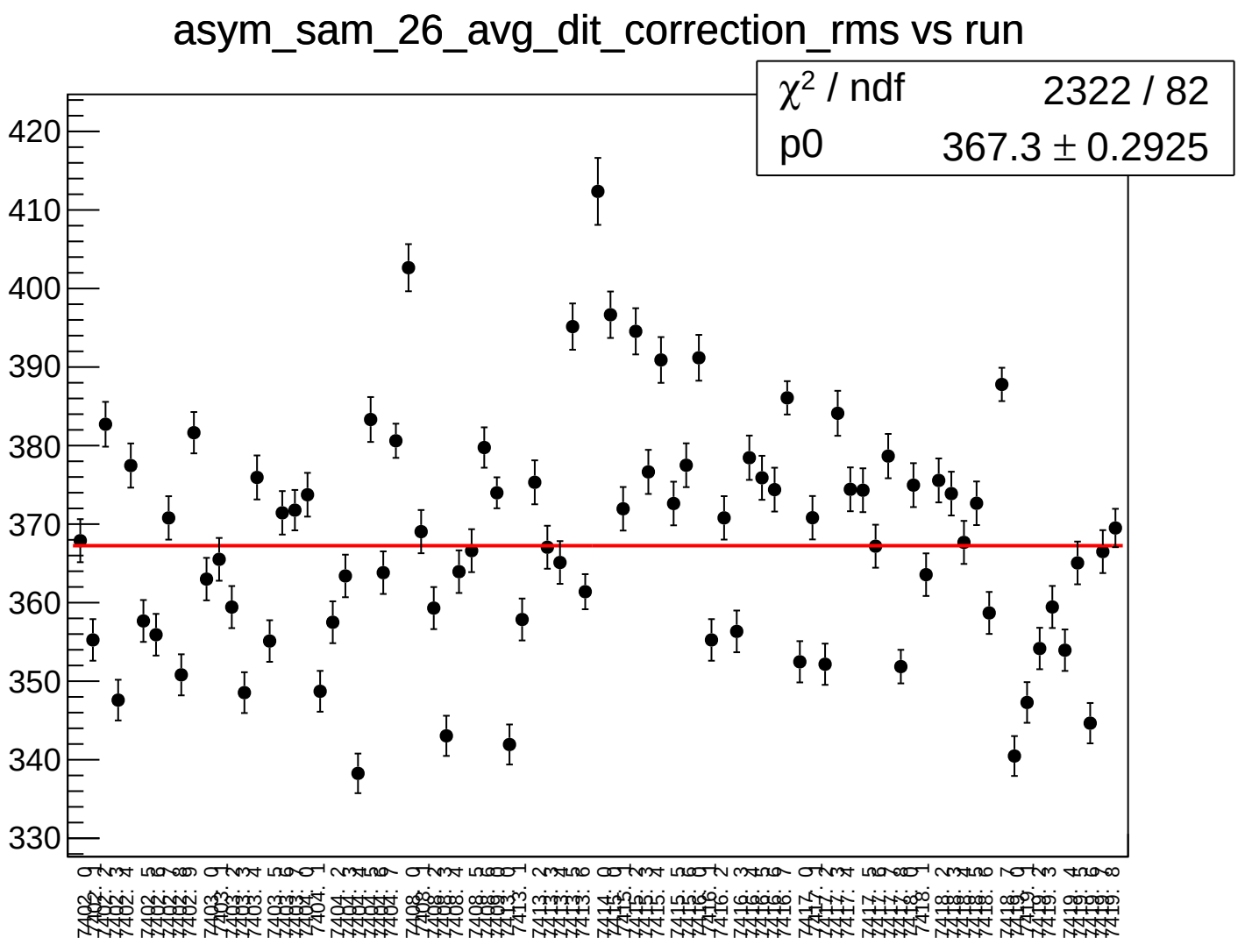

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 8461 / 82
p0 352.6 ± 0.2814
440
420
400
380
360
340
320
300

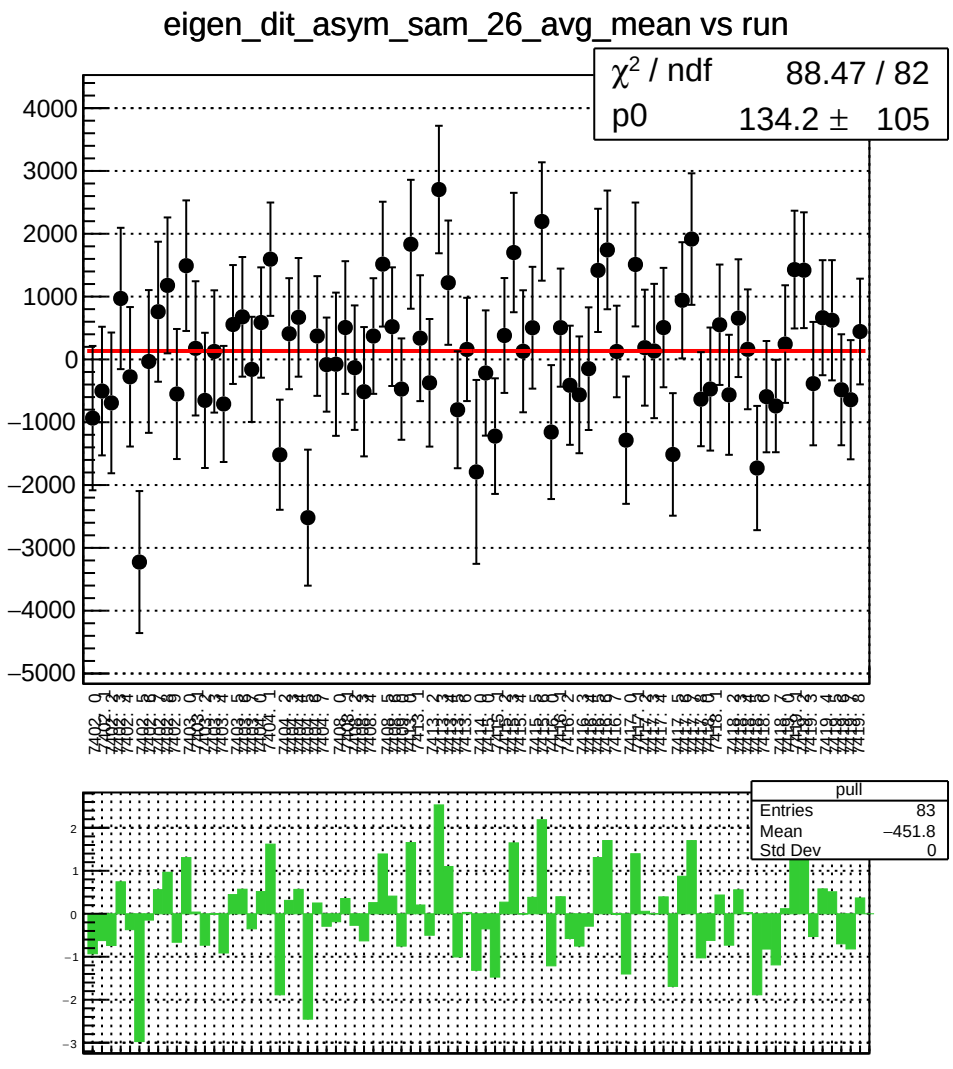

dit_asym_sam_26_avg_mean vs run
χ² / ndf 88.47 / 82
p0 134.2 ± 105
pull
Entries 83
Mean −451.9
Std Dev 0
pull1D
Entries 83
Mean −0.003303
Std Dev 1.032

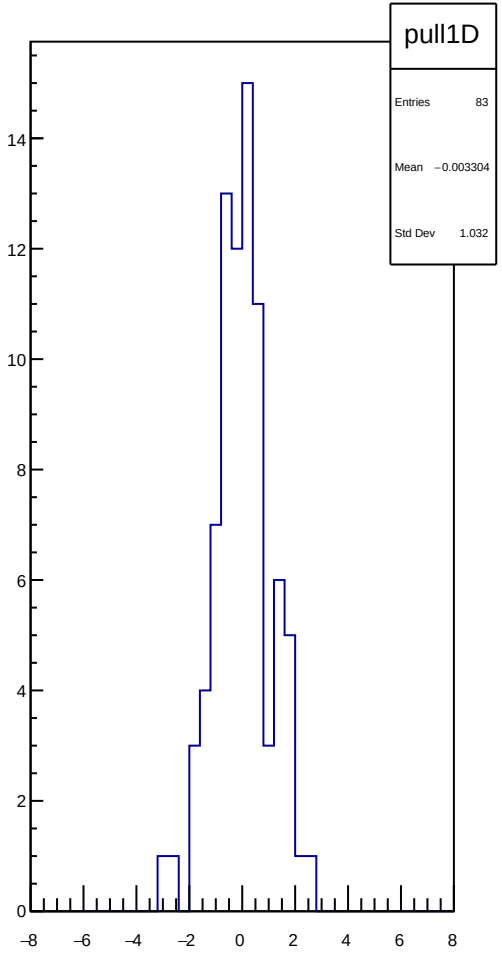

dit_asym_sam_26_avg_rms vs run
χ² / ndf 7580 / 82
p0 93.1 ± 0.07427
110
105
100
95
90
85
80

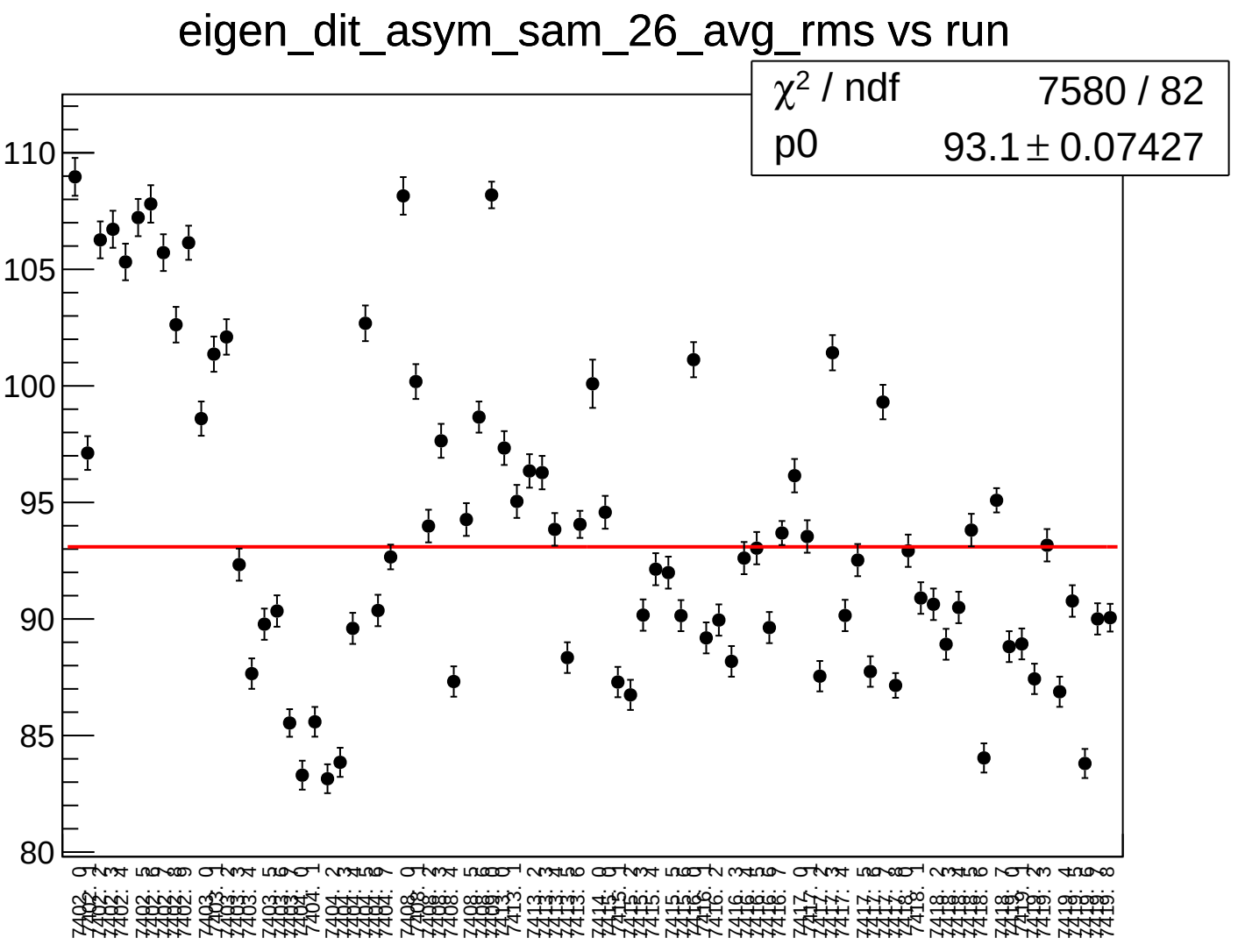

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 69.68 / 82
p0 −355.7 ± 413.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 128.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

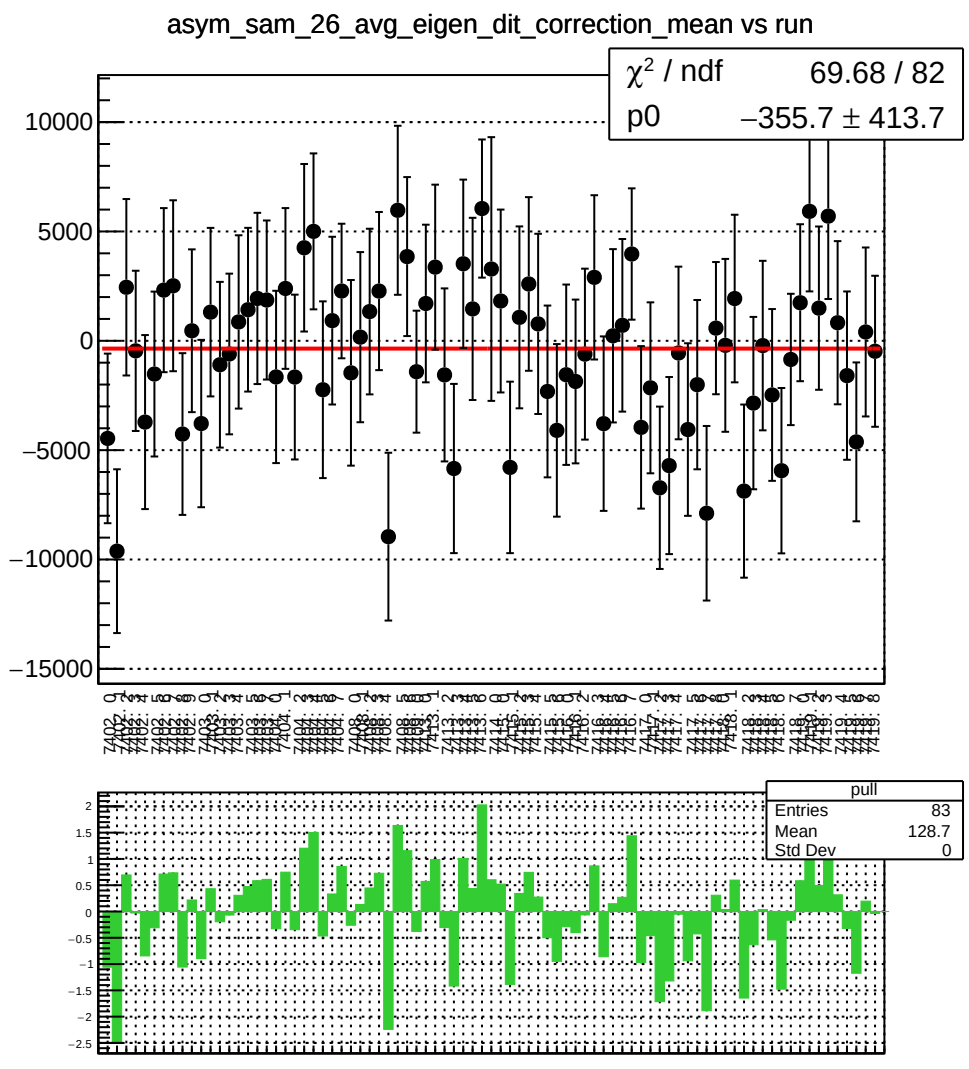

pull1D
Entries 83
Mean −0.01487
Std Dev 0.9161
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

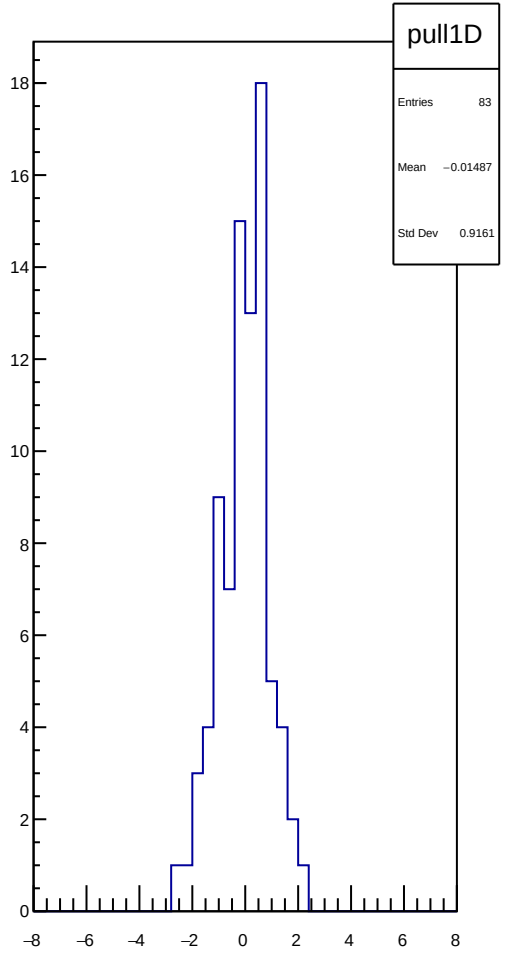

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 2322 / 82
p0 367.3 ± 0.2925
420
410
400
390
380
370
360
350
340
330

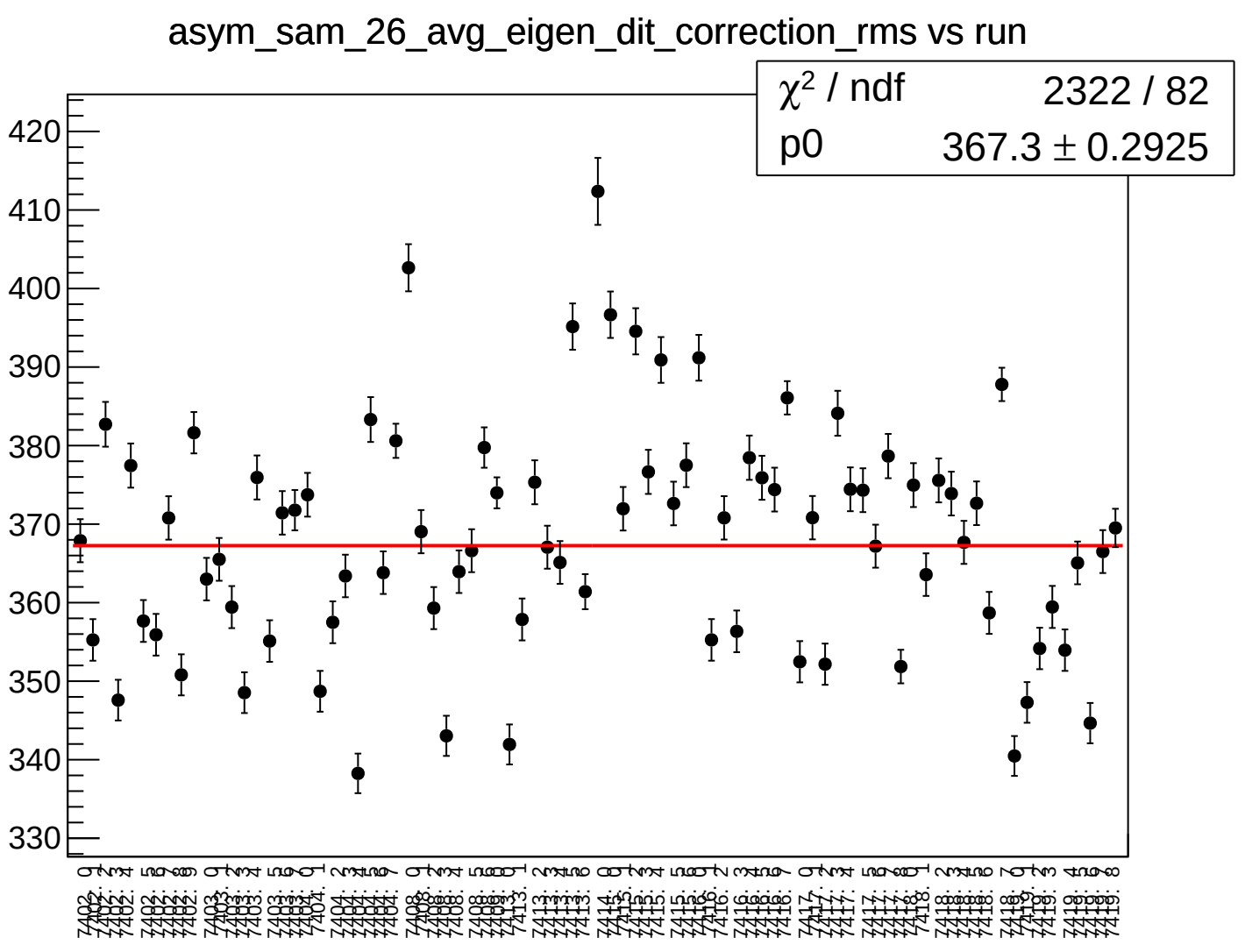

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 88.47 / 82
p0 134.2 ± 105
pull
Entries 83
Mean −451.8
Std Dev 0

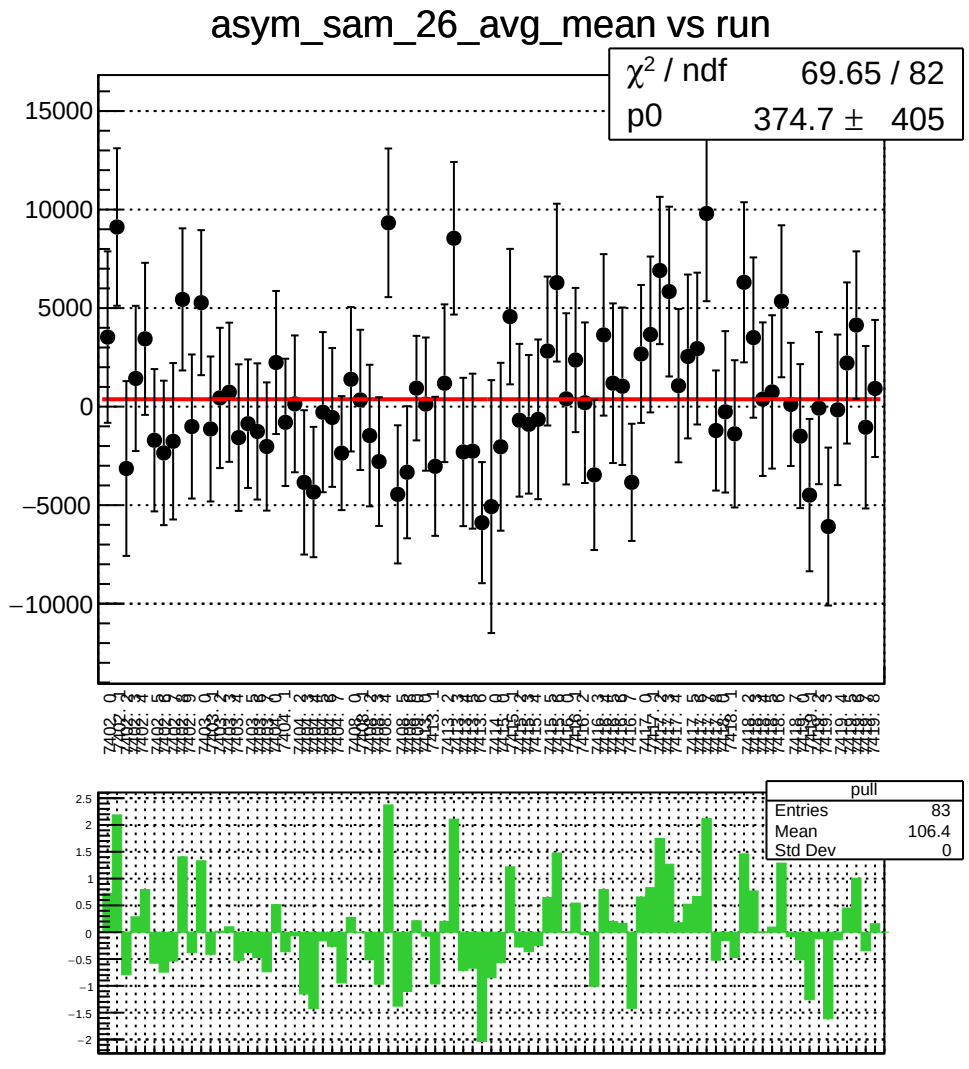

pull1D
Entries 83
Mean −0.003304
Std Dev 1.032

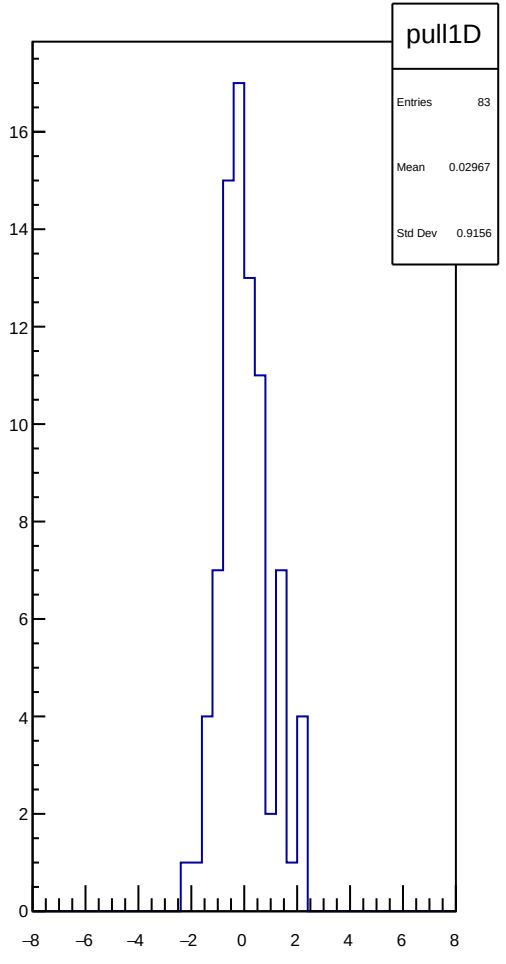

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 7580 / 82
p0 93.1 ± 0.07427
110
105
100
95
90
85
80

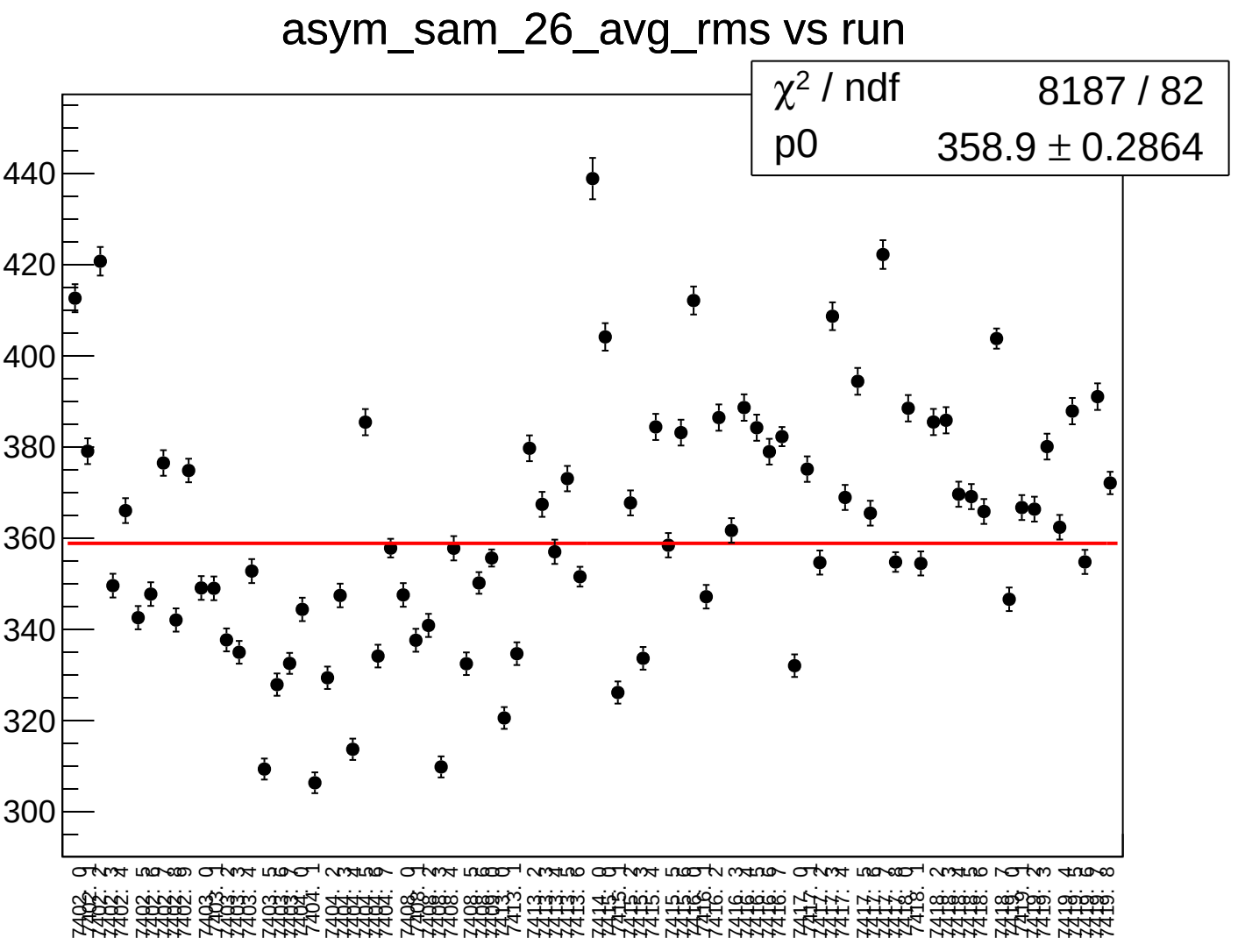

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 69.68 / 82
p0 −355.7 ± 413.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 128.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

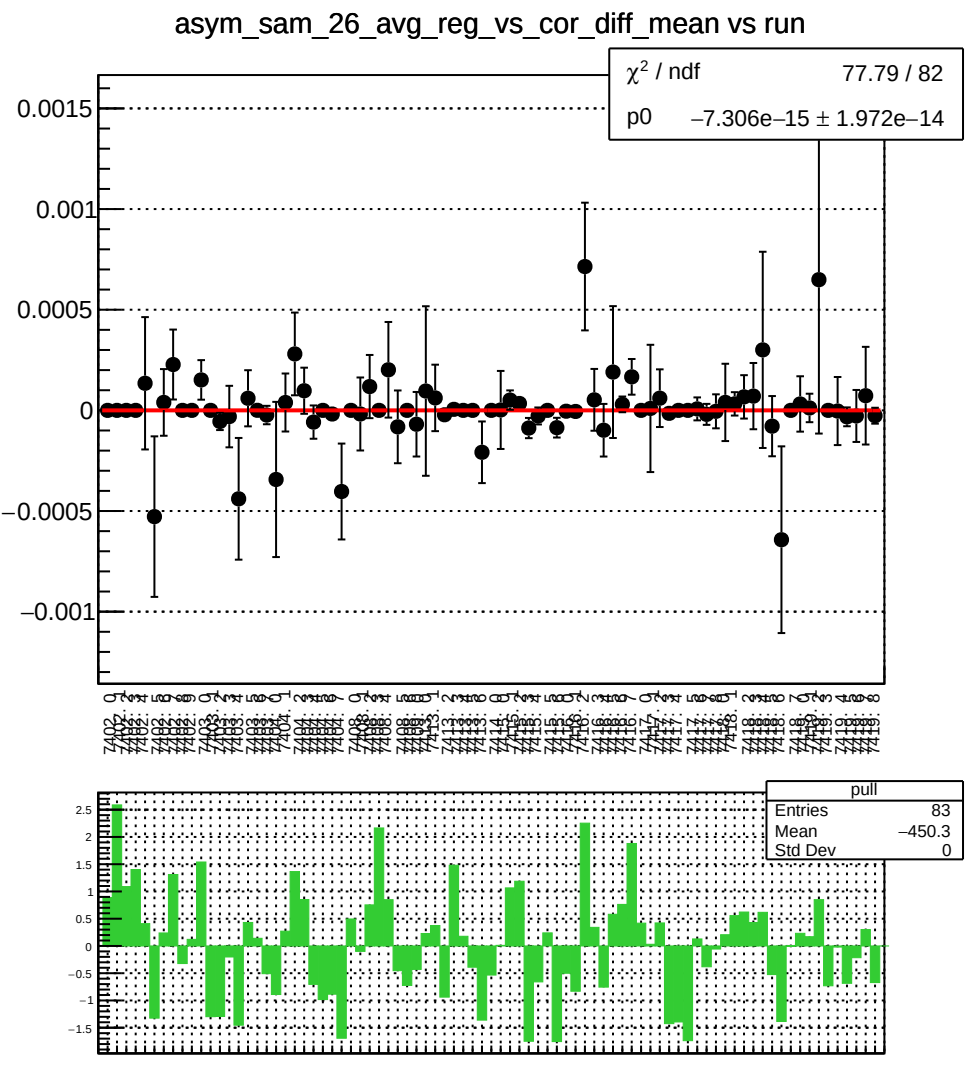

pull1D
Entries 83
Mean −0.01487
Std Dev 0.9161
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

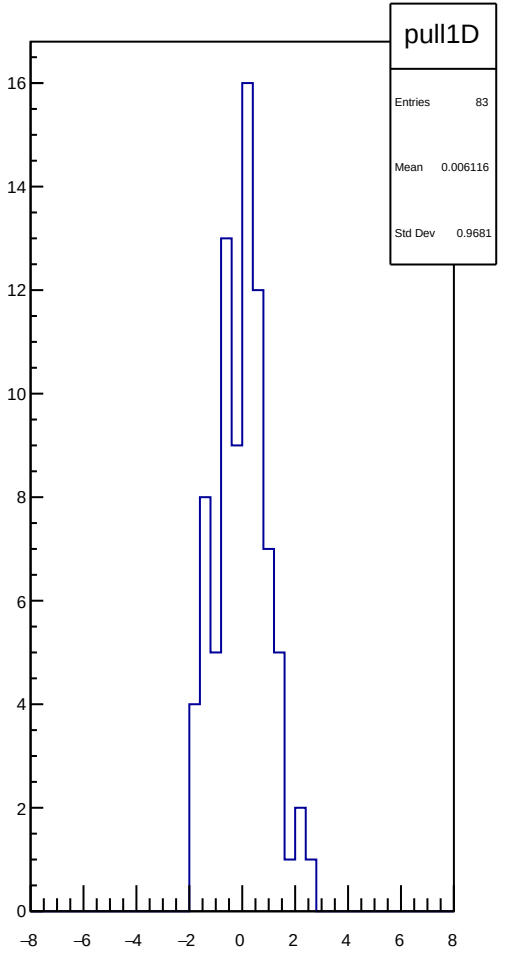

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 2322 / 82
p0 367.3 ± 0.2925
420
410
400
390
380
370
360
350
340
330

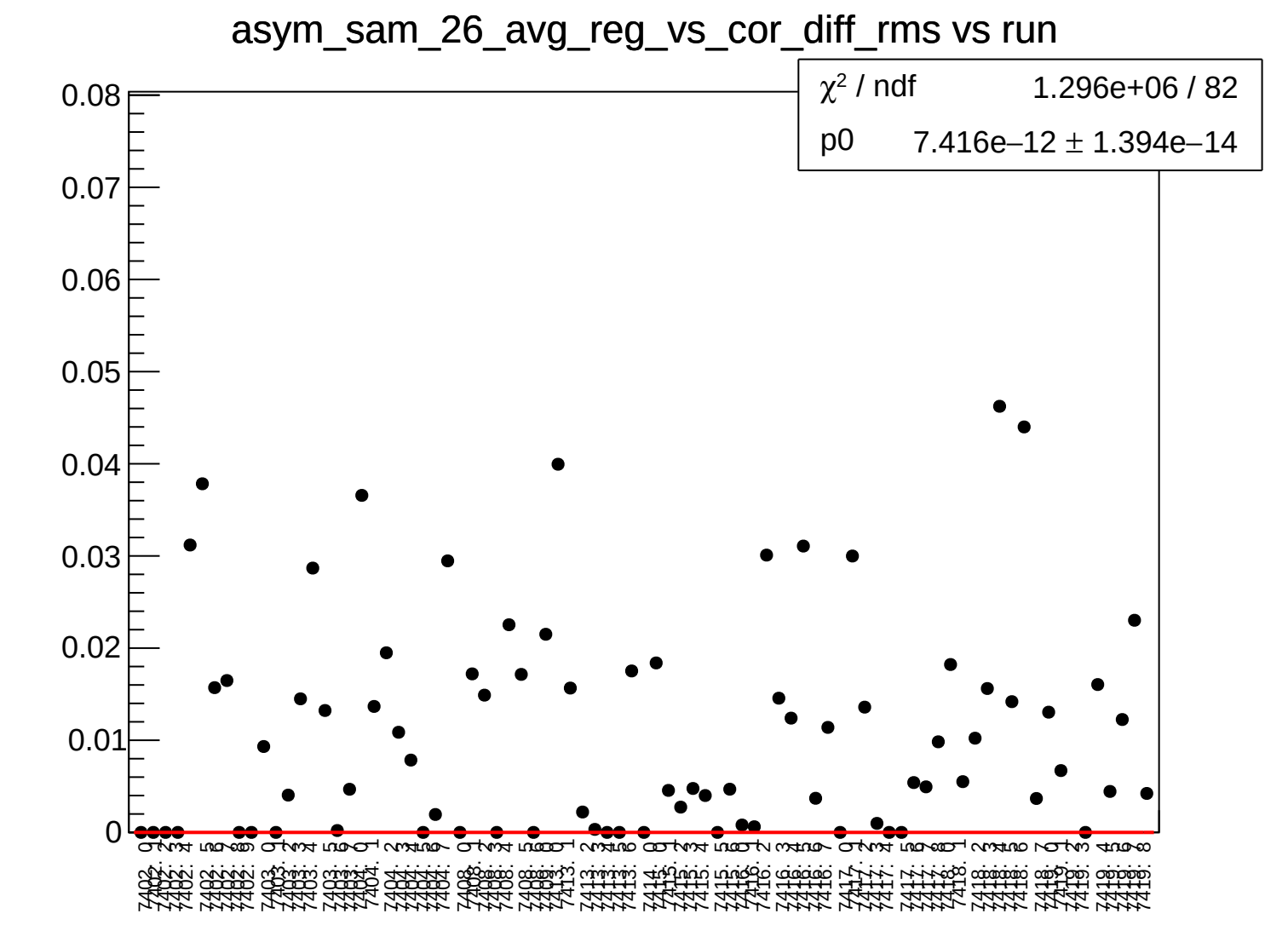

asym_sam_26_avg_mean vs run
χ² / ndf 69.65 / 82
p0 374.7 ± 405
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 106.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

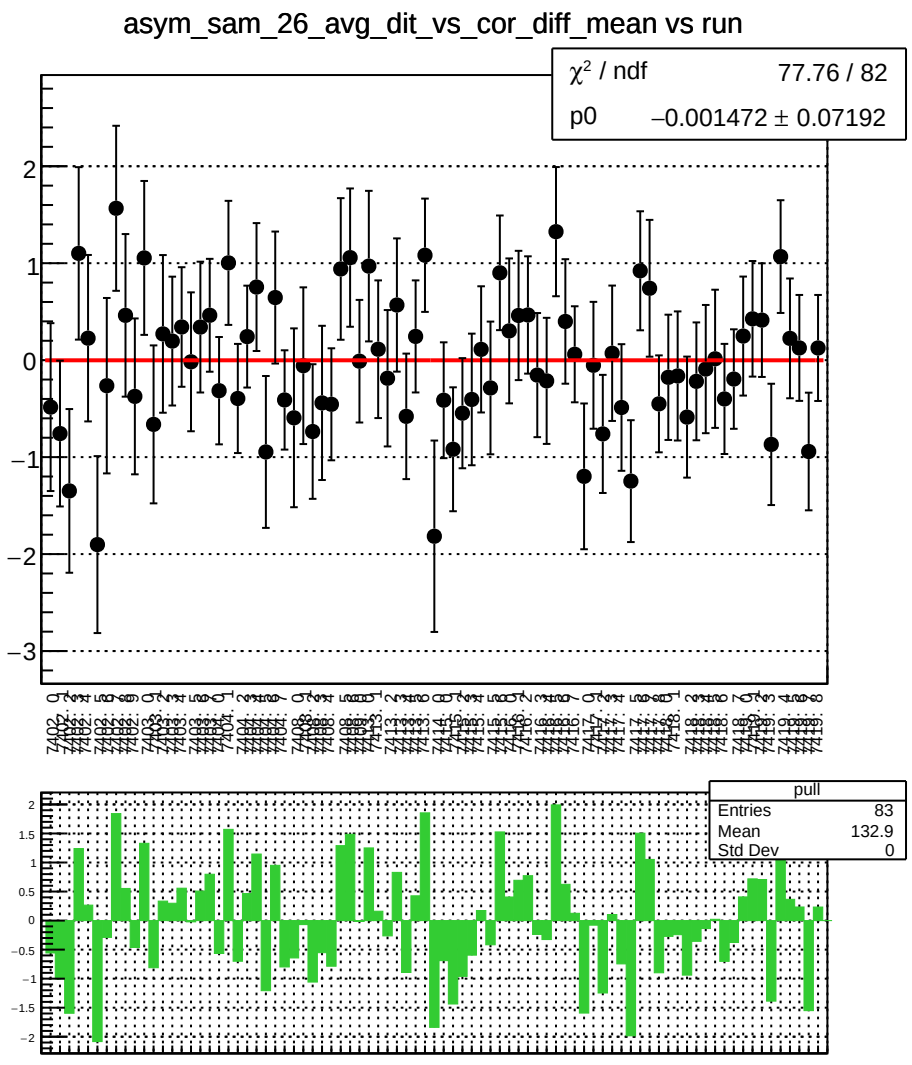

pull1D
Entries 83
Mean 0.02967
Std Dev 0.9156
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

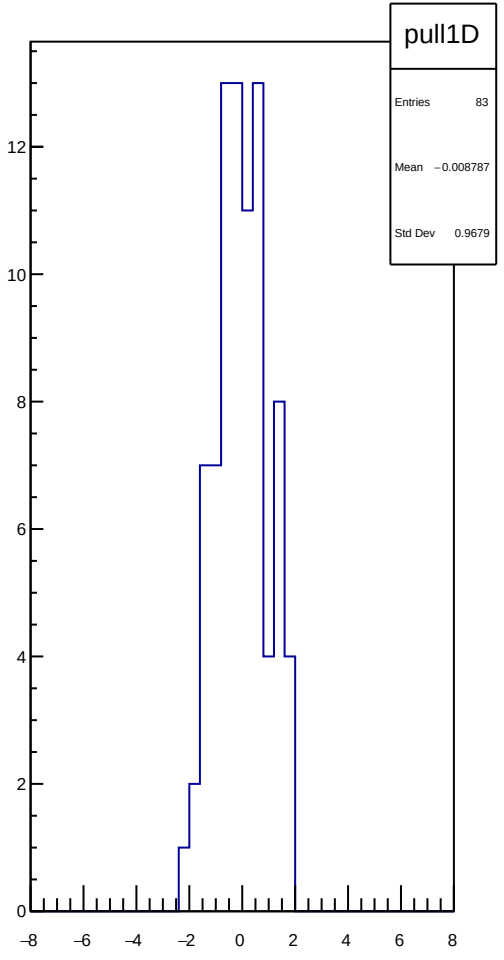

asym_sam_26_avg_rms vs run
χ² / ndf 8187 / 82
p0 358.9 ± 0.2864
440
420
400
380
360
340
320
300

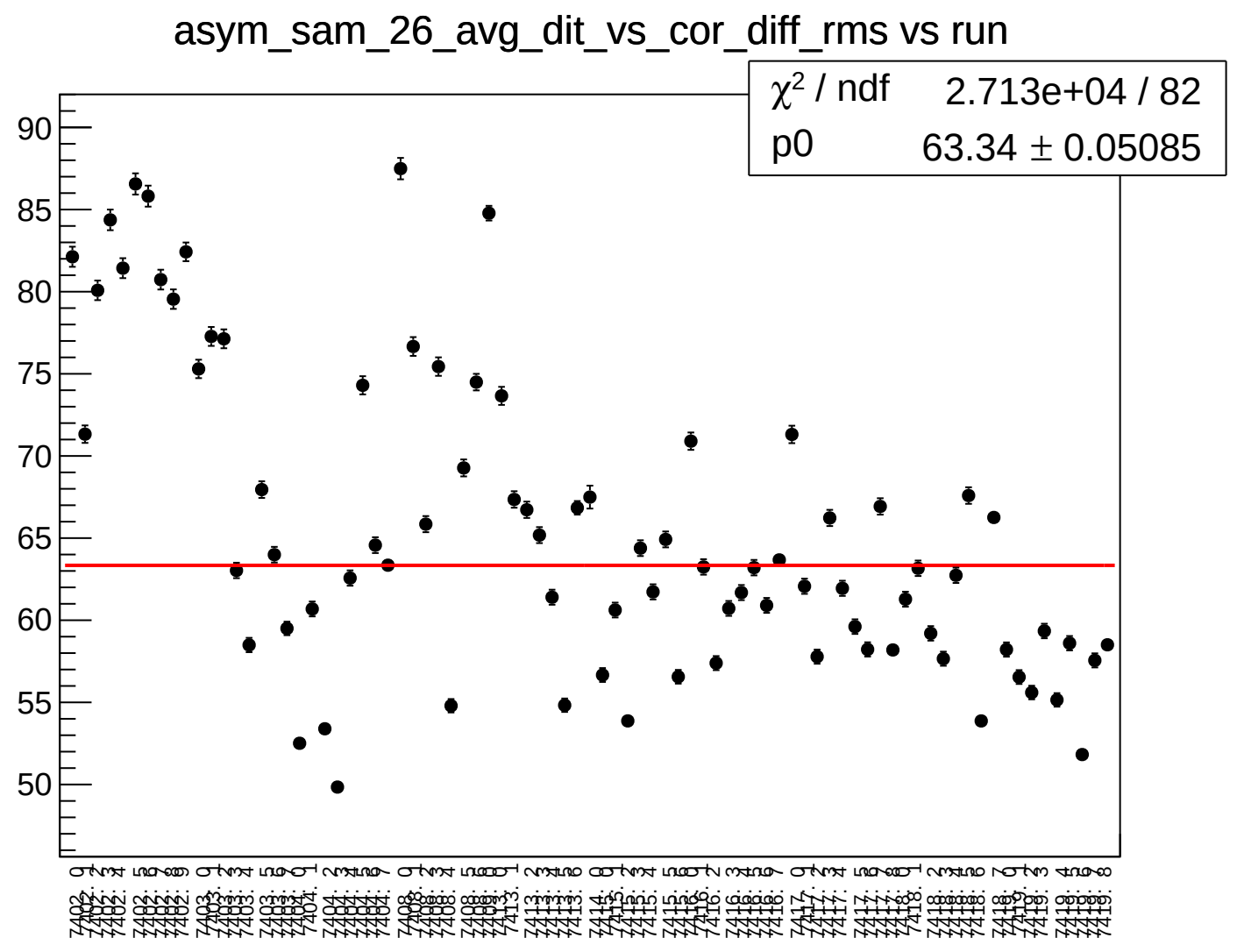

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.79 / 82
p0 −7.306e−15 ± 1.972e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 83
Mean −450.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

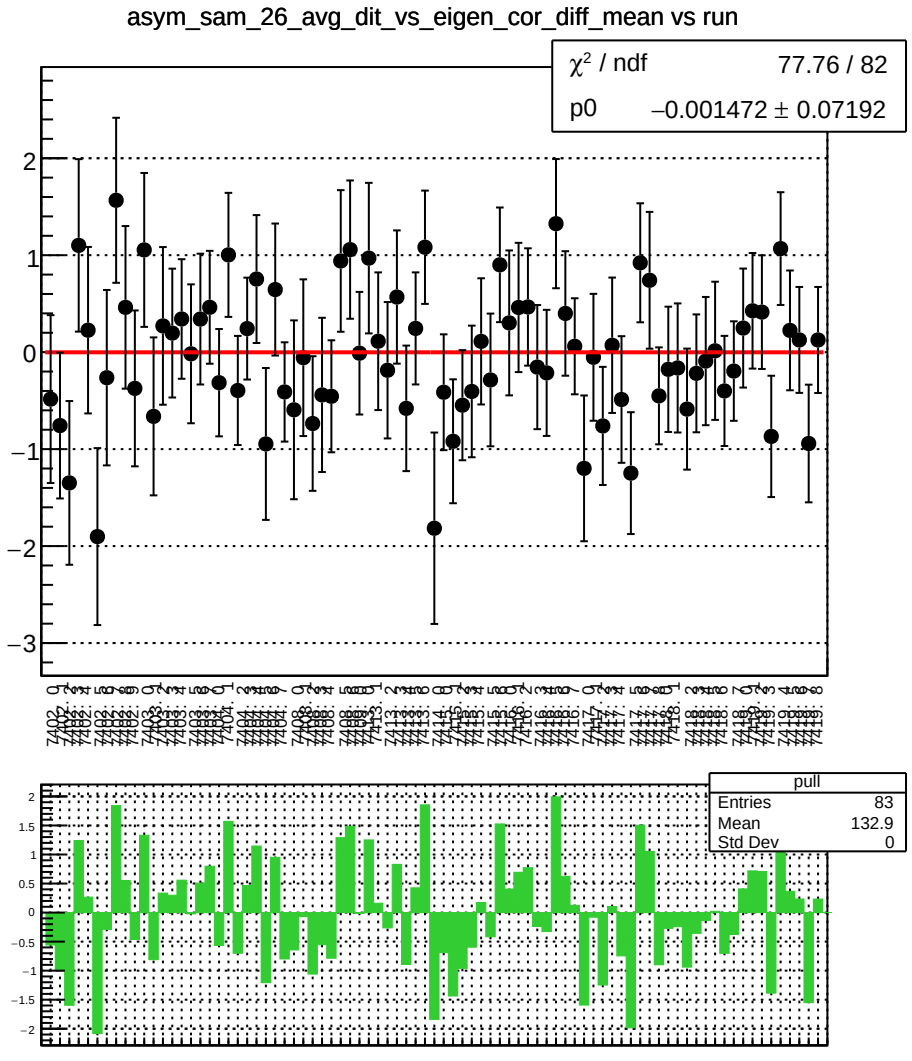

pull1D
Entries 83
Mean 0.006116
Std Dev 0.9681
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

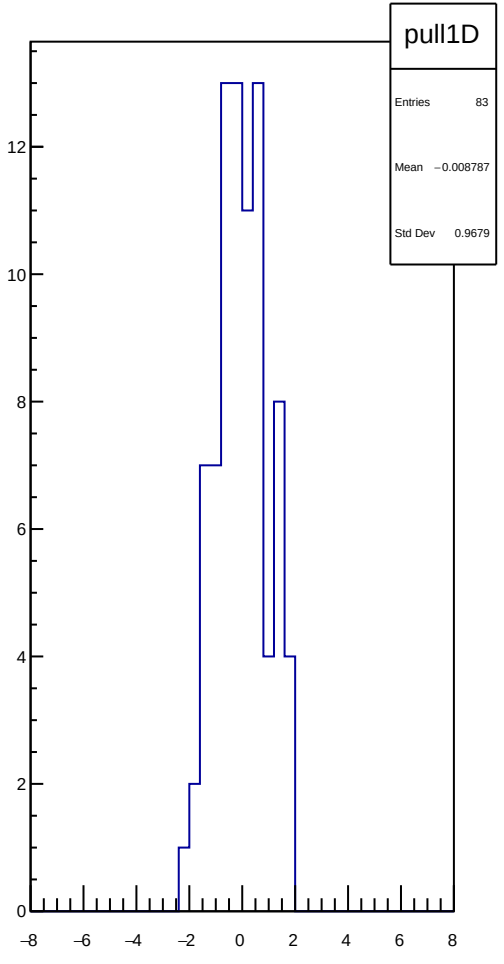

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.296e+06 / 82
p0 7.416e−12 ± 1.394e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

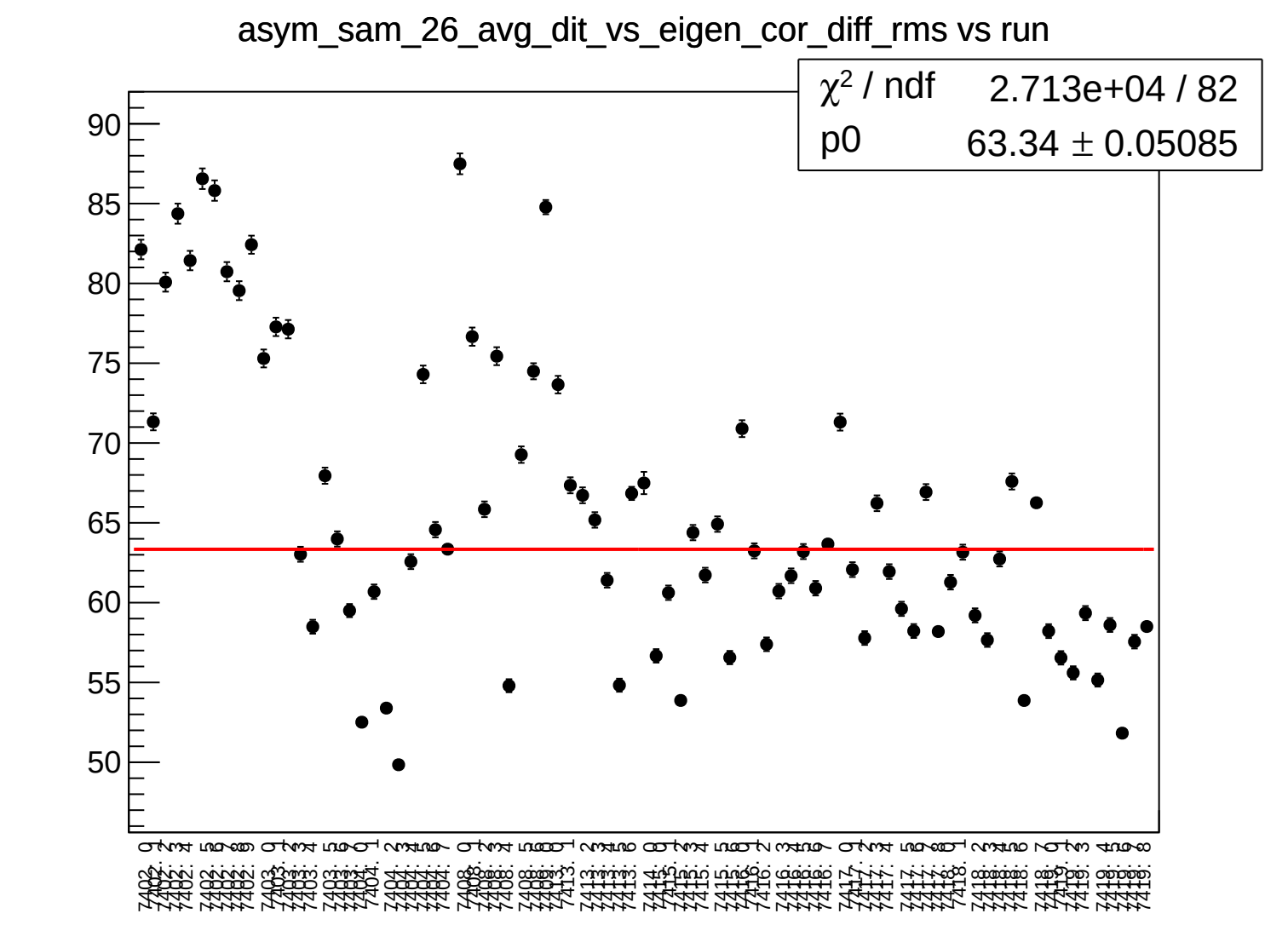

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.76 / 82
p0 −0.001472 ± 0.07192
pull
Entries 83
Mean 132.9
Std Dev 0

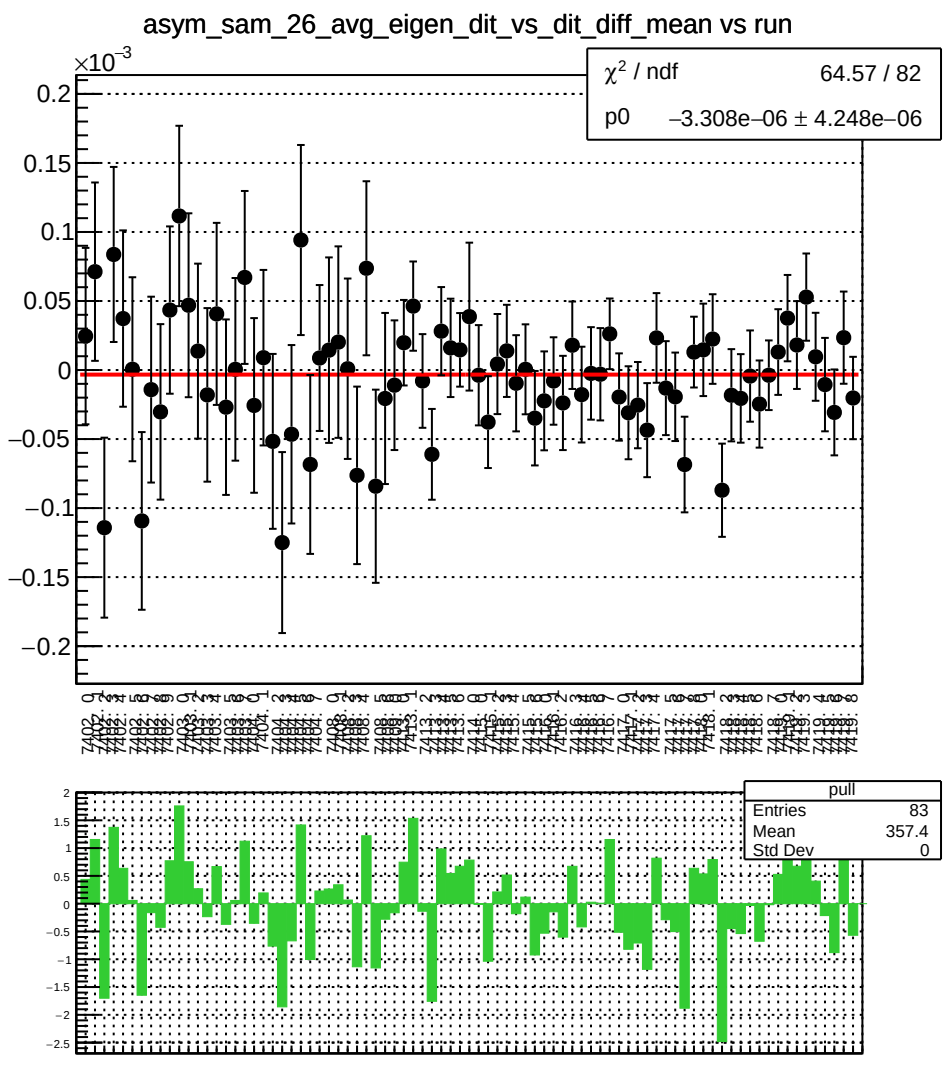

pull1D
Entries 83
Mean −0.008787
Std Dev 0.9679

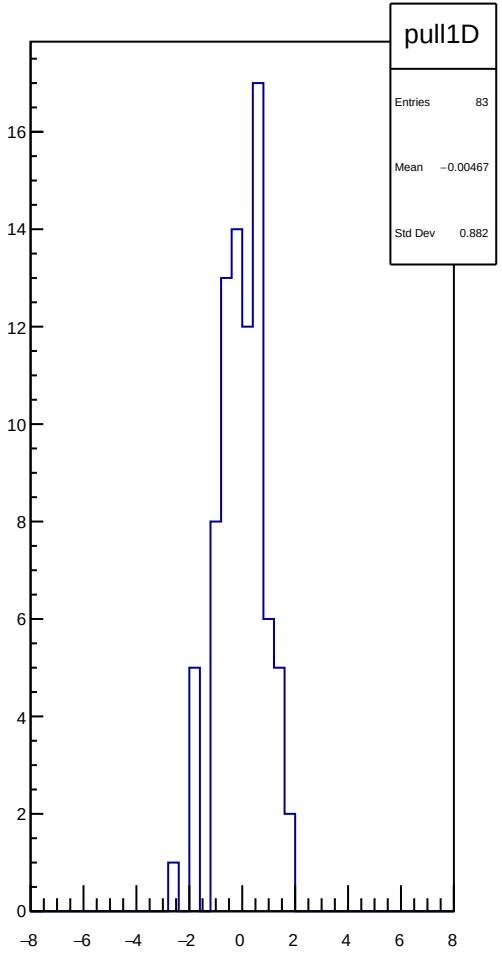

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.713e+04 / 82
p0 63.34 ± 0.05085
90
85
80
75
70
65
60
55
50

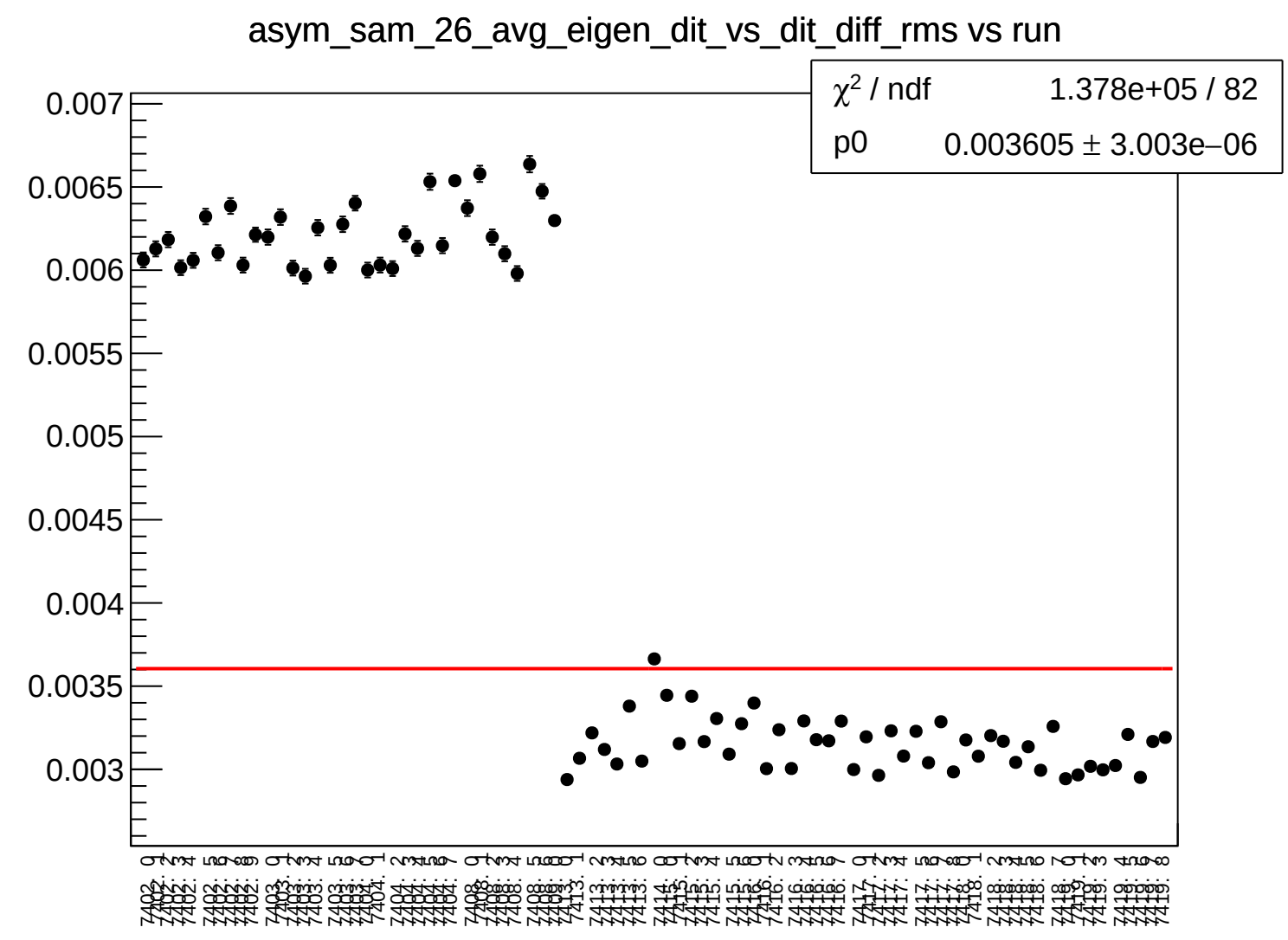

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.76 / 82
p0 −0.001472 ± 0.07192
pull
Entries 83
Mean 132.9
Std Dev 0

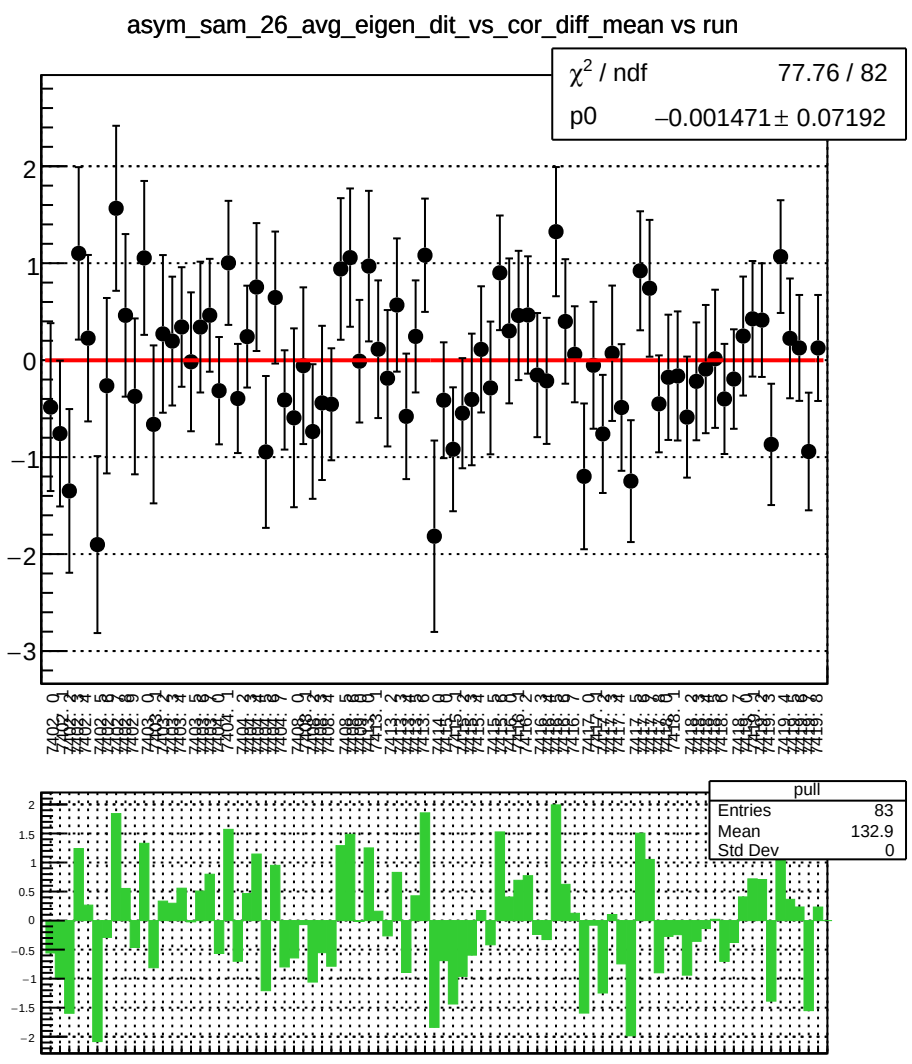

pull1D
Entries 83
Mean −0.008787
Std Dev 0.9679

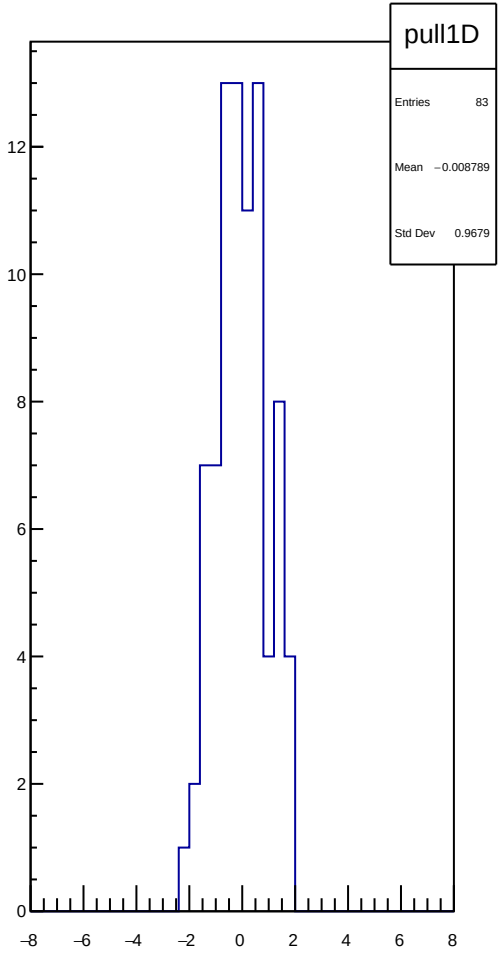

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.713e+04 / 82
p0 63.34 ± 0.05085
90
85
80
75
70
65
60
55
50

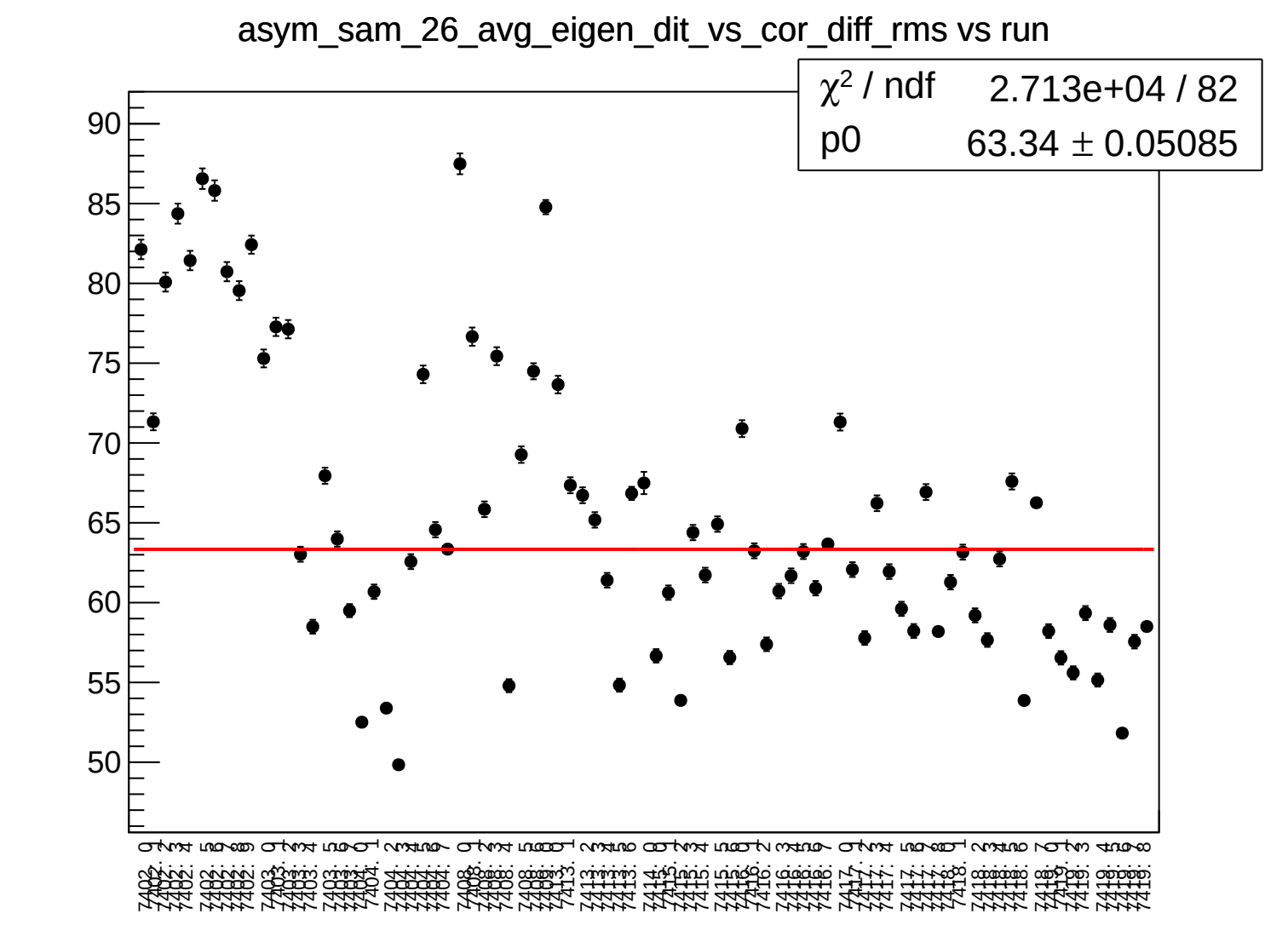

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 64.57 / 82
p0 −3.308e−06 ± 4.248e−06
pull
Entries 83
Mean 357.4
Std Dev 0

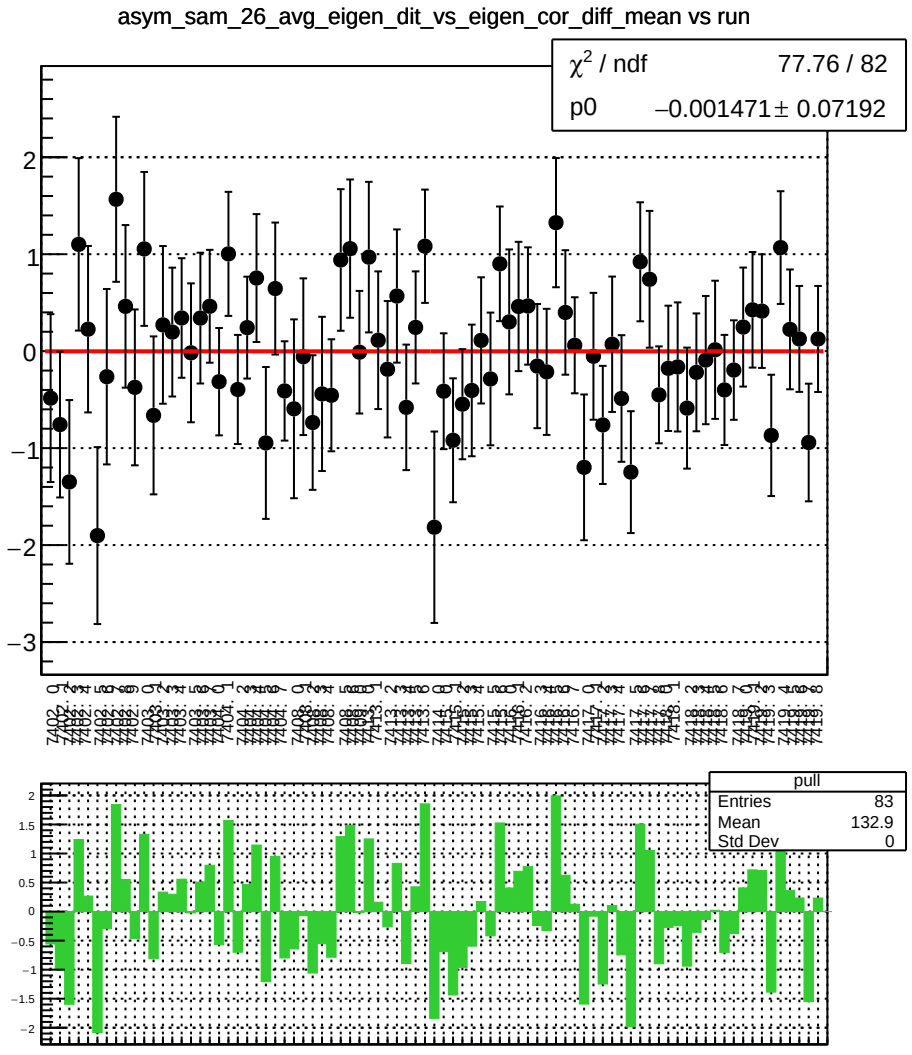

pull1D
Entries 83
Mean −0.00467
Std Dev 0.882

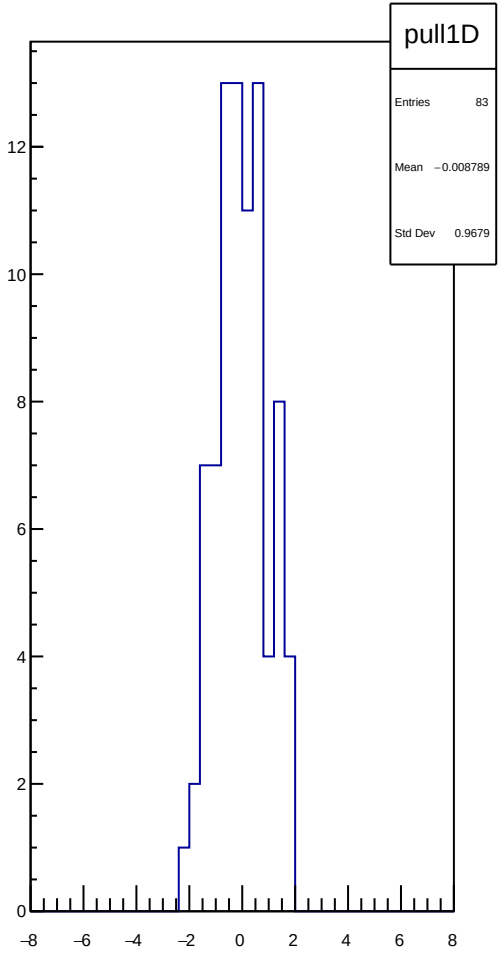

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.378e+05 / 82
p0 0.003605 ± 3.003e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003

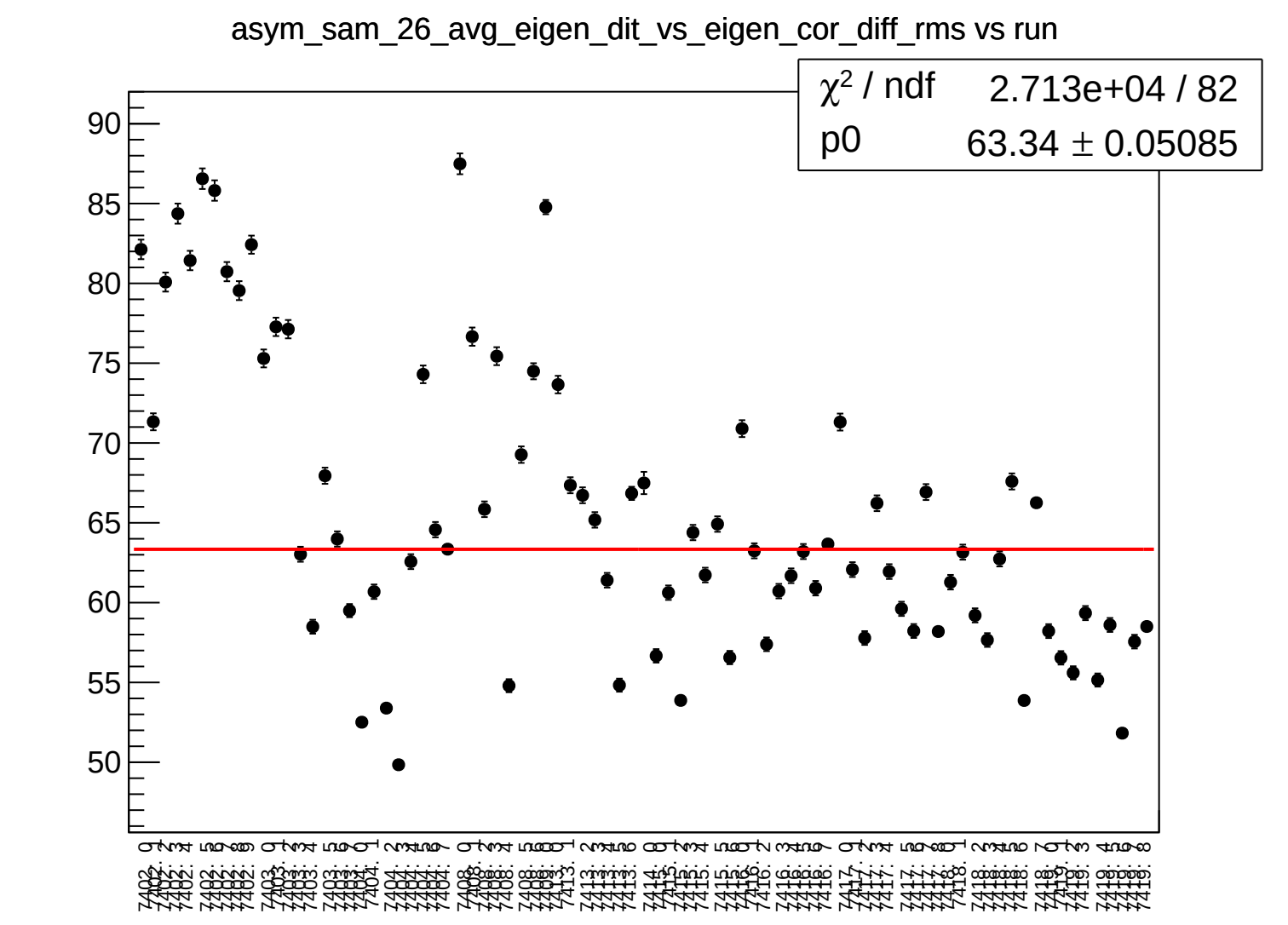

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.76 / 82
p0 −0.001471 ± 0.07192
pull
Entries 83
Mean 132.9
Std Dev 0

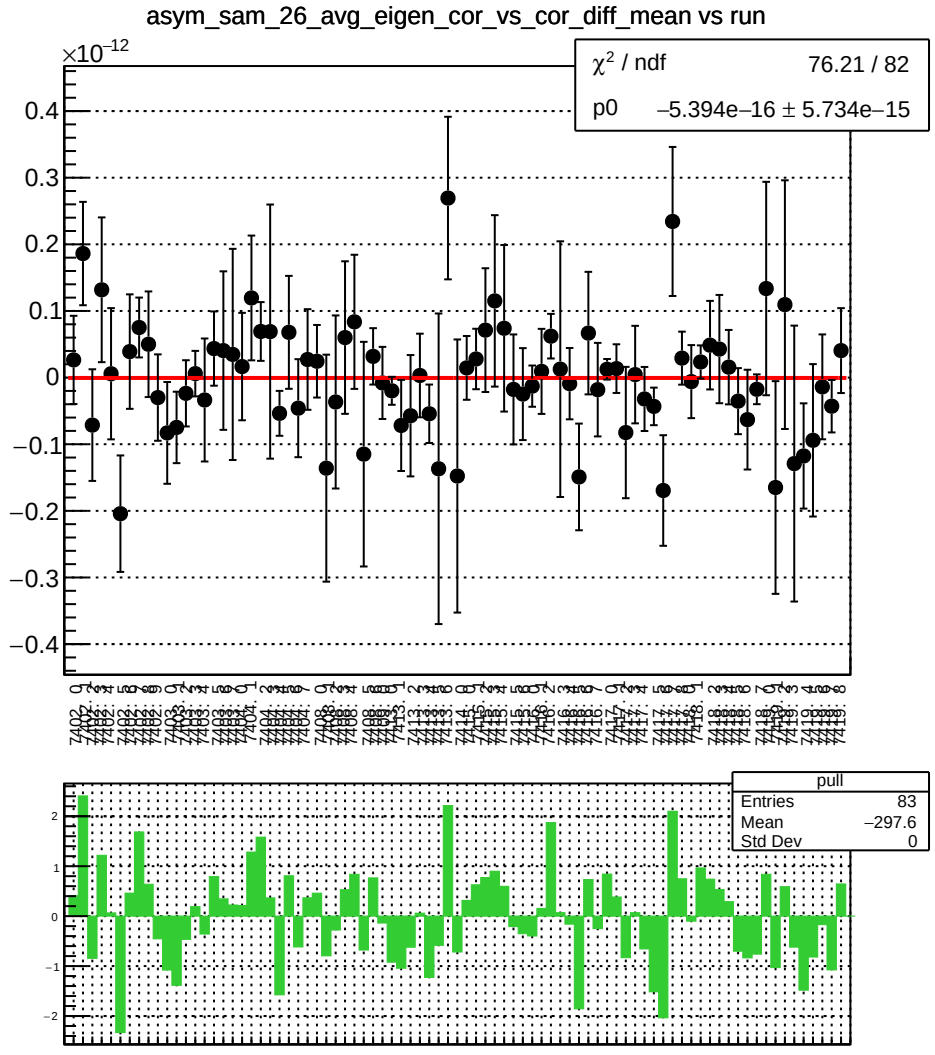

pull1D
Entries 83
Mean −0.008789
Std Dev 0.9679

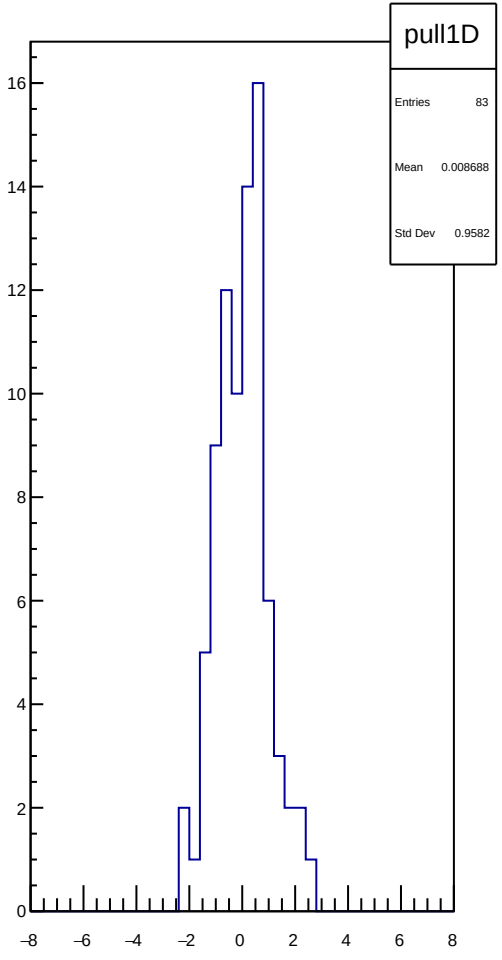

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.713e+04 / 82
p0 63.34 ± 0.05085
90
85
80
75
70
65
60
55
50

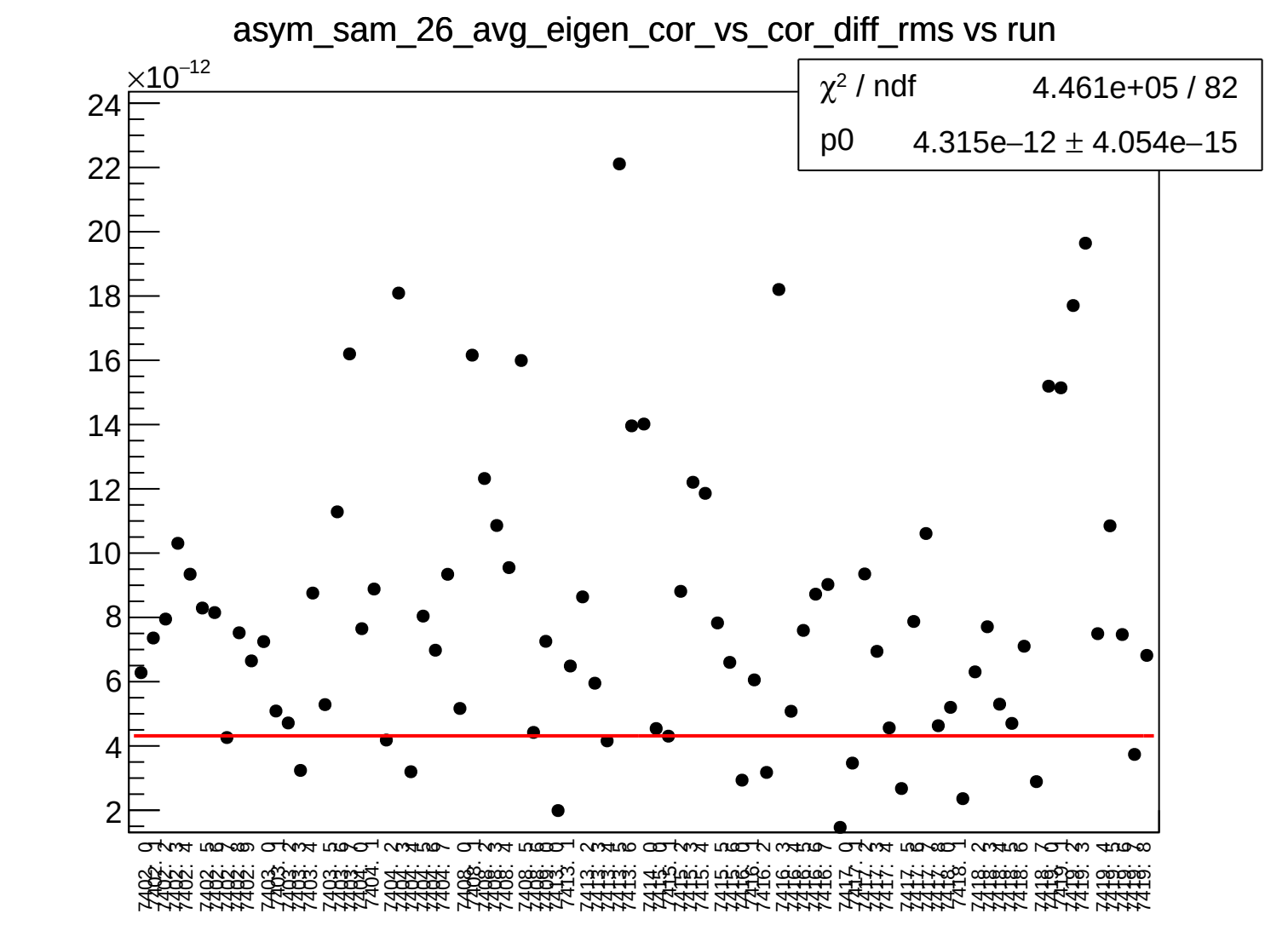

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.76 / 82
p0 −0.001471 ± 0.07192
pull
Entries 83
Mean 132.9
Std Dev 0

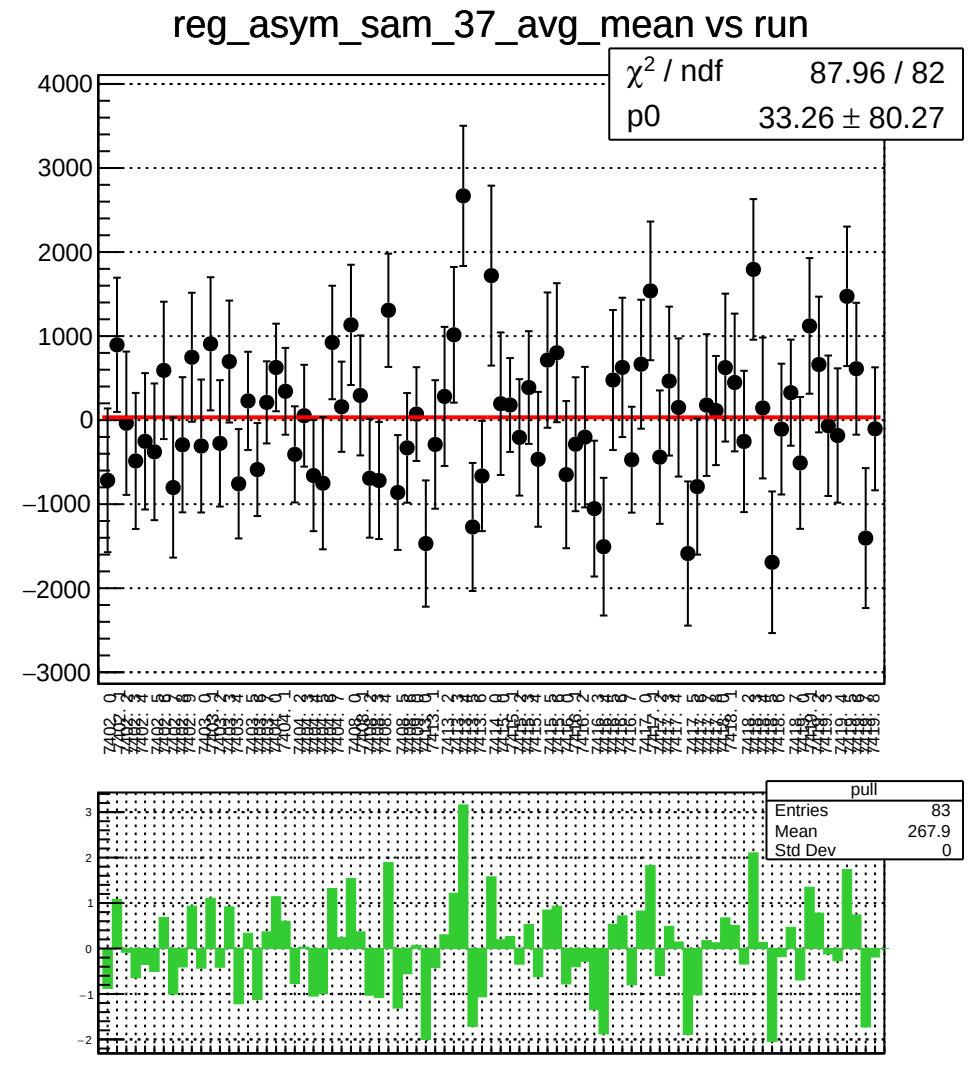

pull1D
Entries 83
Mean −0.008789
Std Dev 0.9679

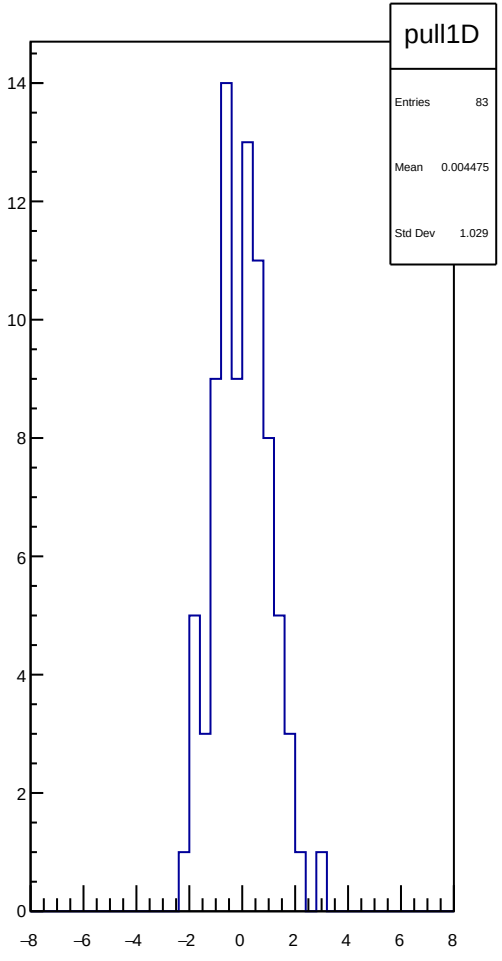

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.713e+04 / 82
p0 63.34 ± 0.05085
90
85
80
75
70
65
60
55
50

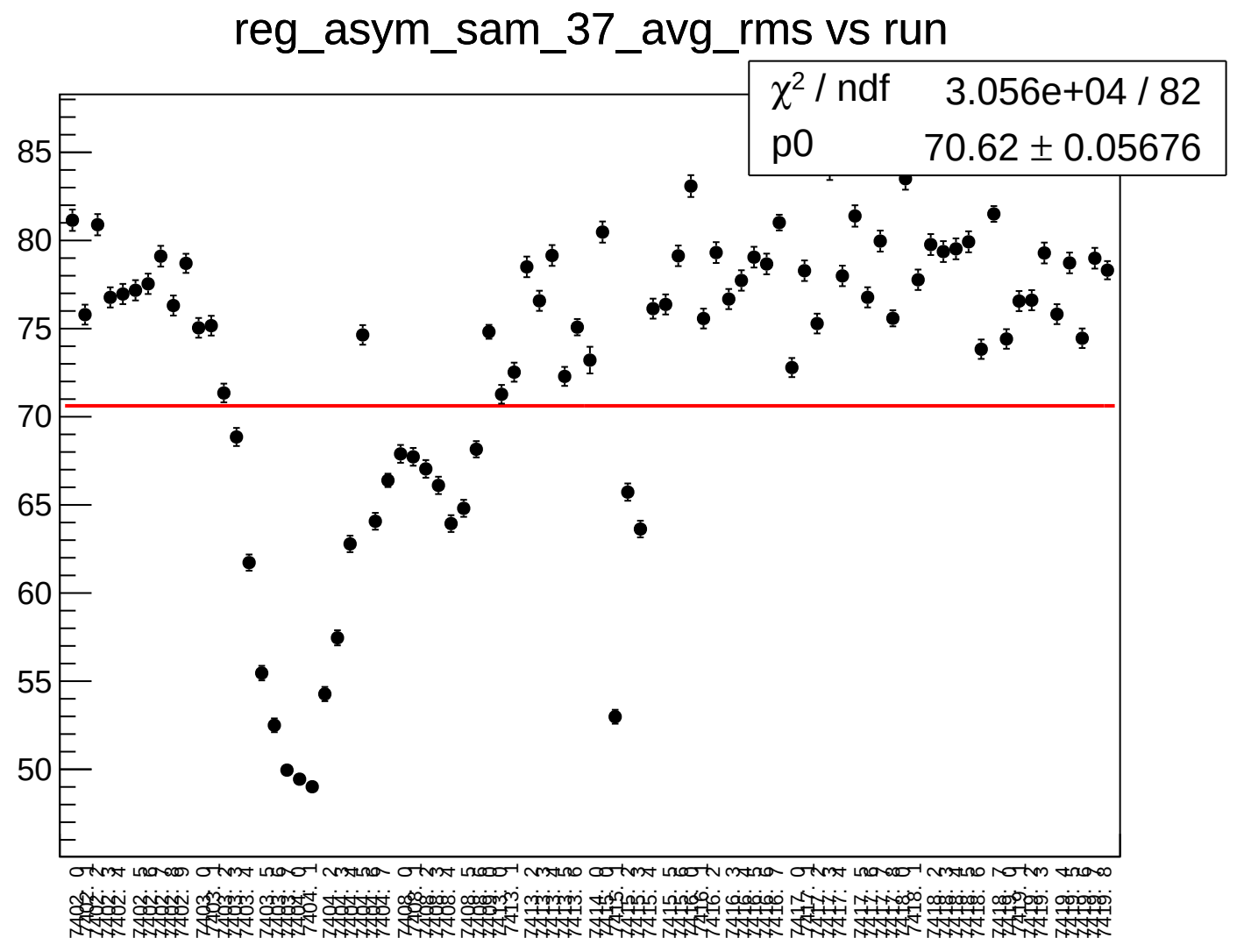

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.21 / 82
p0 −5.394e−16 ± 5.734e−15
pull
Entries 83
Mean −297.6
Std Dev 0

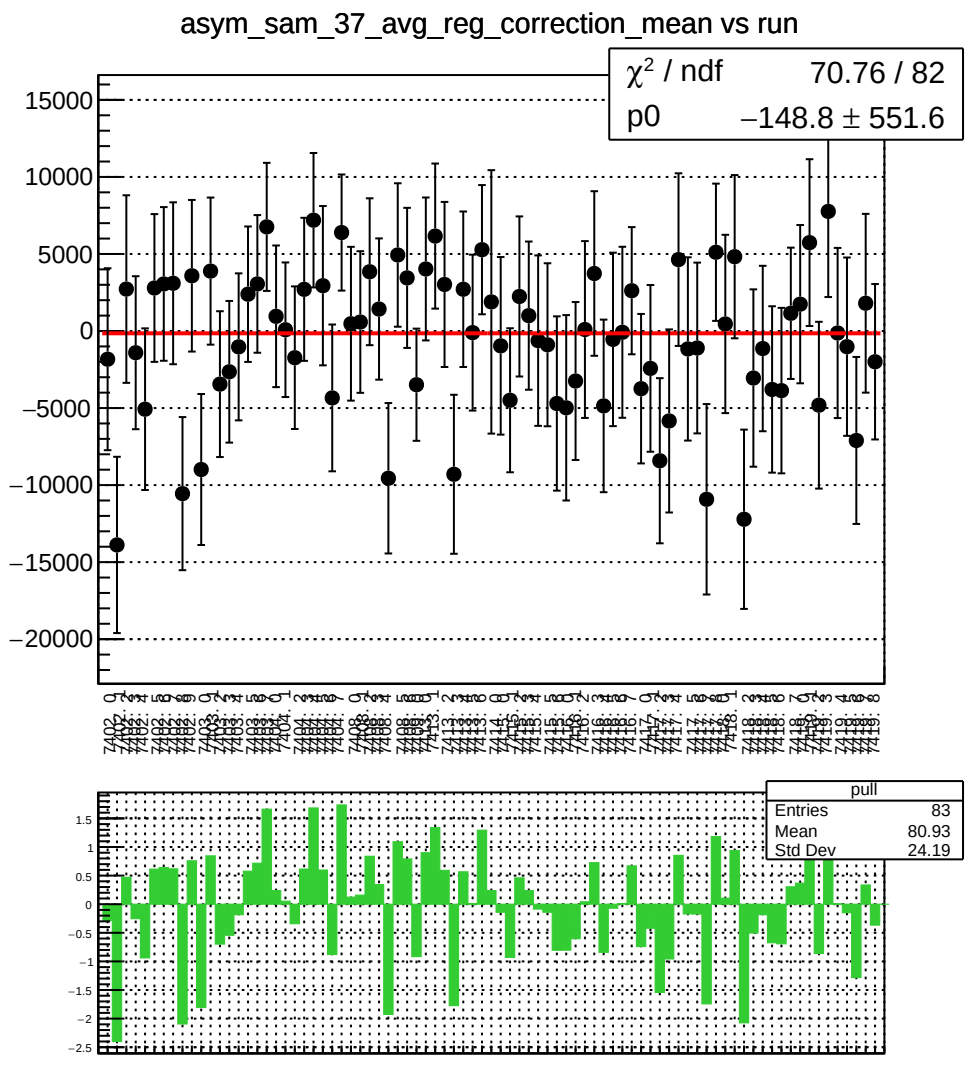

pull1D
Entries 83
Mean 0.008688
Std Dev 0.9582

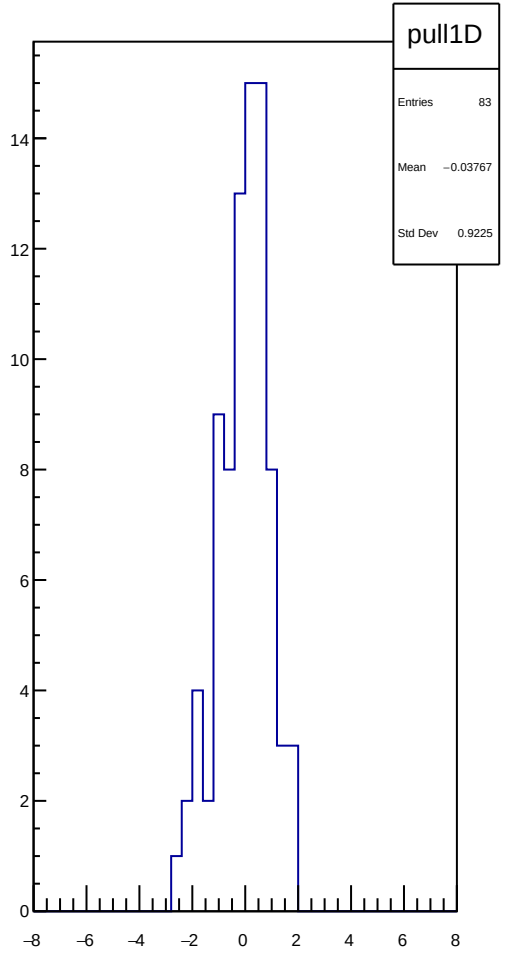

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.461e+05 / 82
p0 4.315e−12 ± 4.054e−15
24
22
20
18
16
14
12
10
8
6
4
2

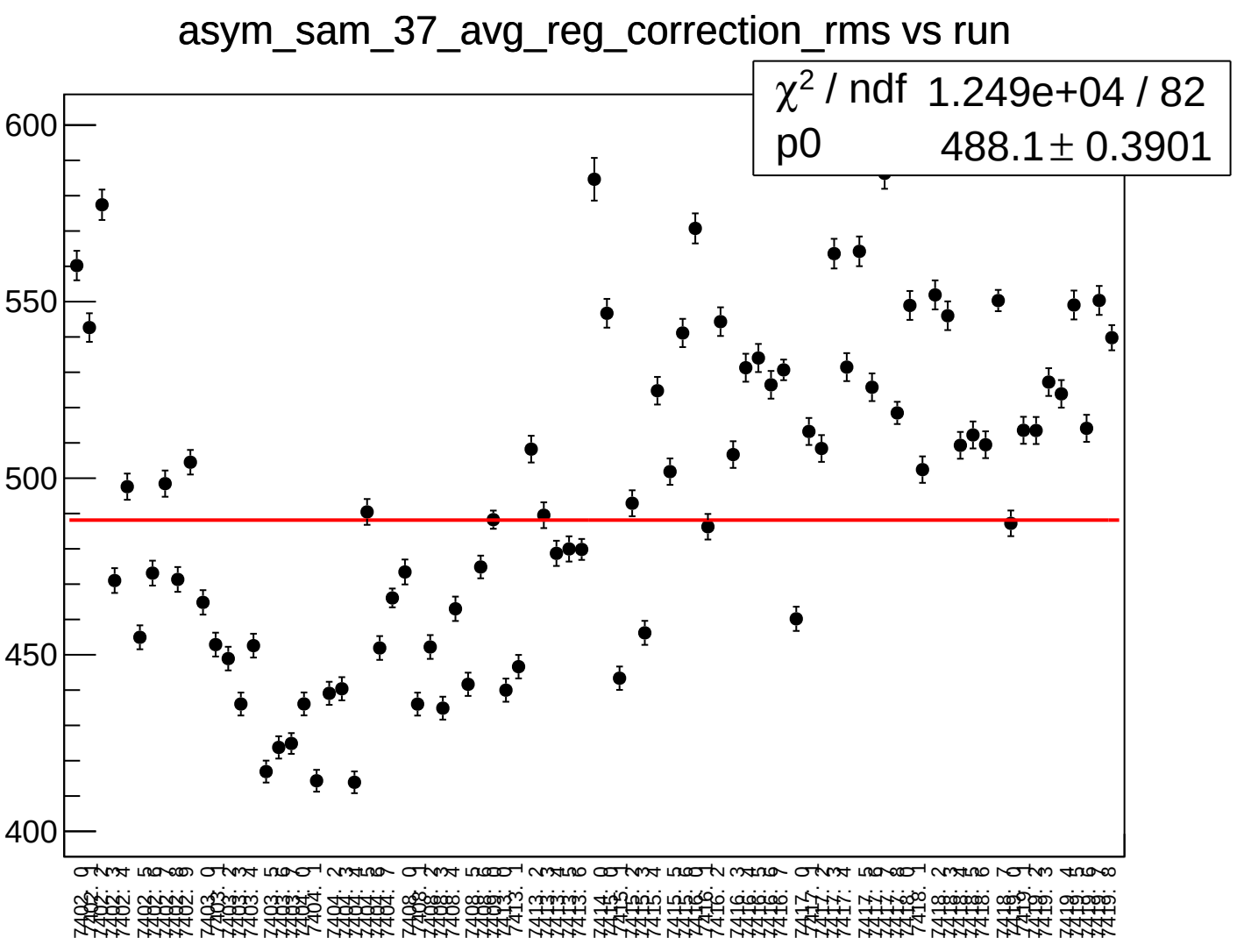

reg_asym_sam_37_avg_mean vs run
χ² / ndf 87.96 / 82
p0 33.26 ± 80.27
pull
Entries 83
Mean 267.9
Std Dev 0

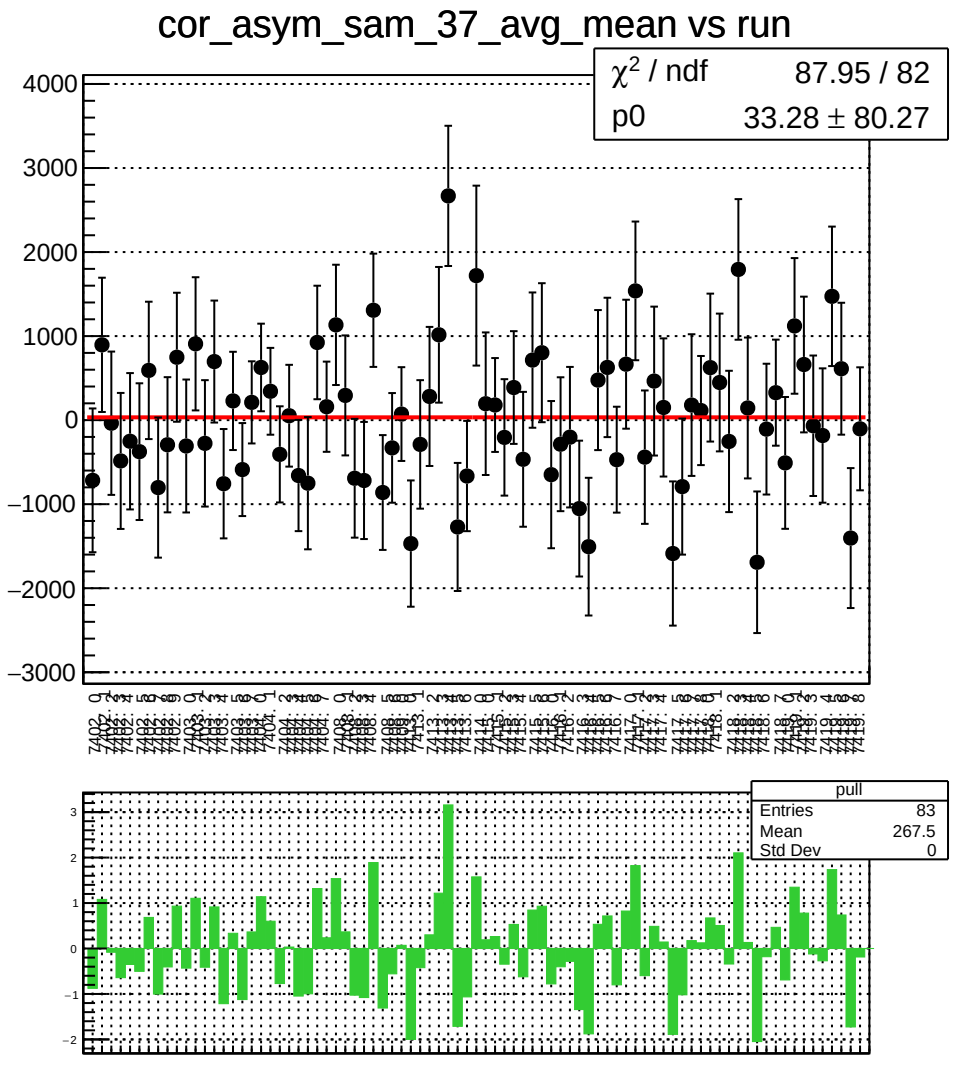

pull1D
Entries 83
Mean 0.004475
Std Dev 1.029

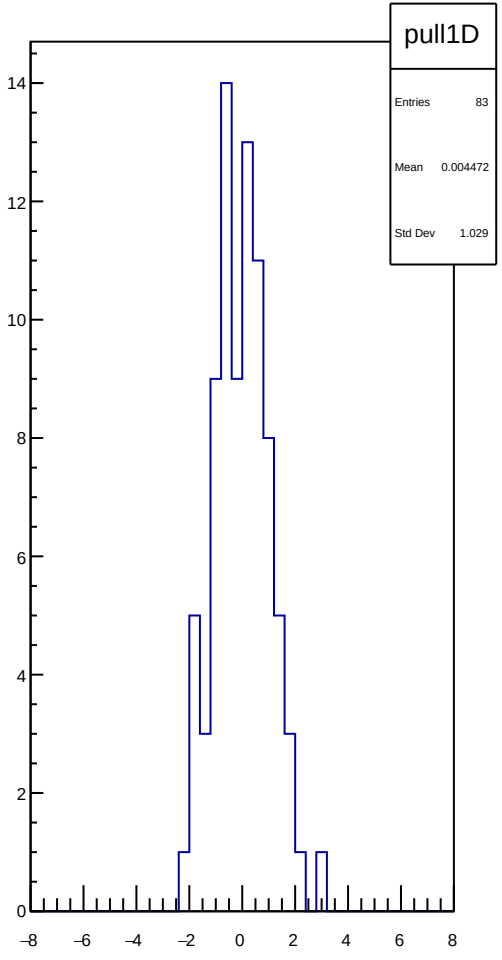

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.056e+04 / 82
p0 70.62 ± 0.05676
85
80
75
70
65
60
55
50

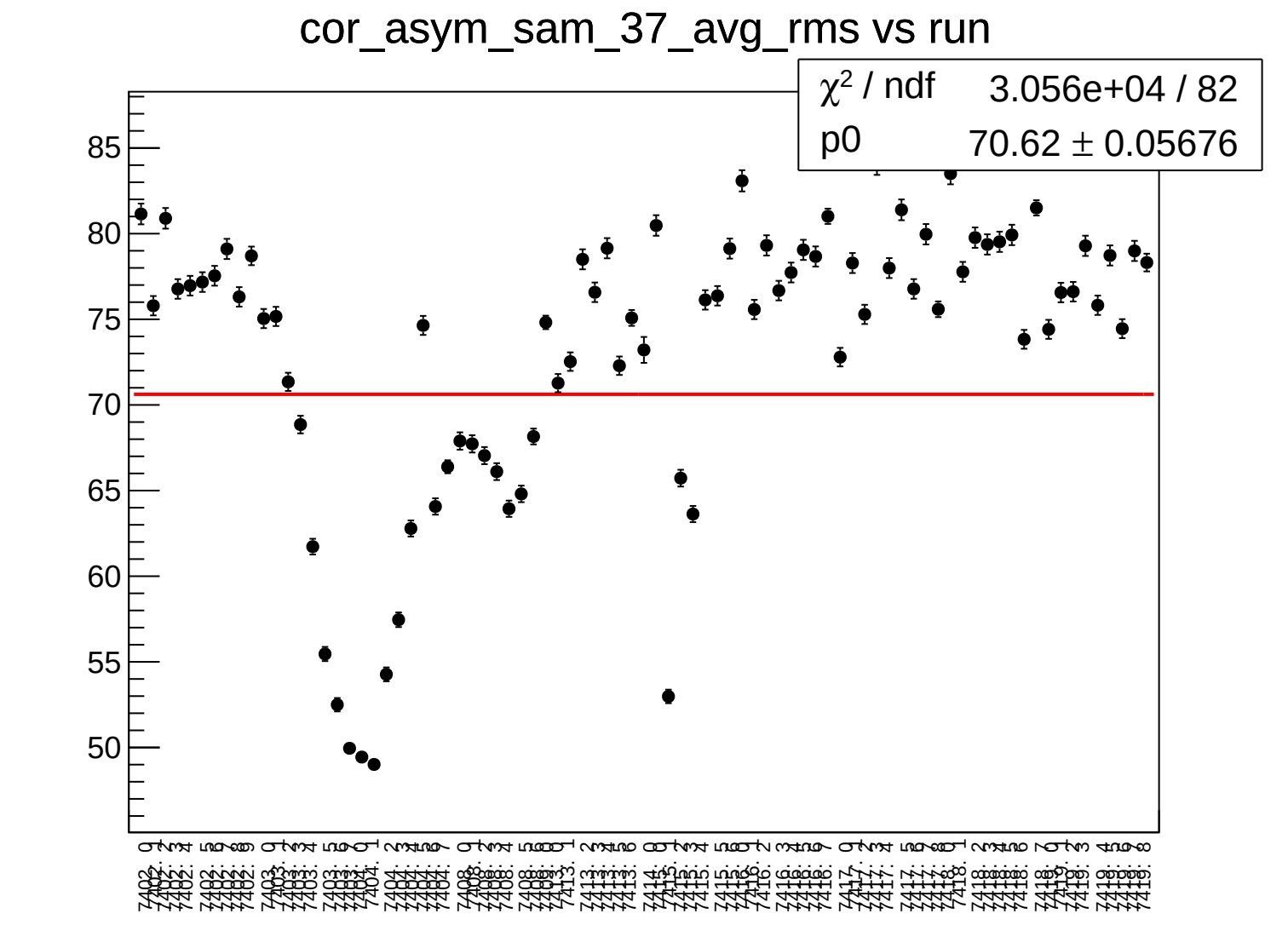

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 70.76 / 82
p0 −148.8 ± 551.6
pull
Entries 83
Mean 80.93
Std Dev 24.19

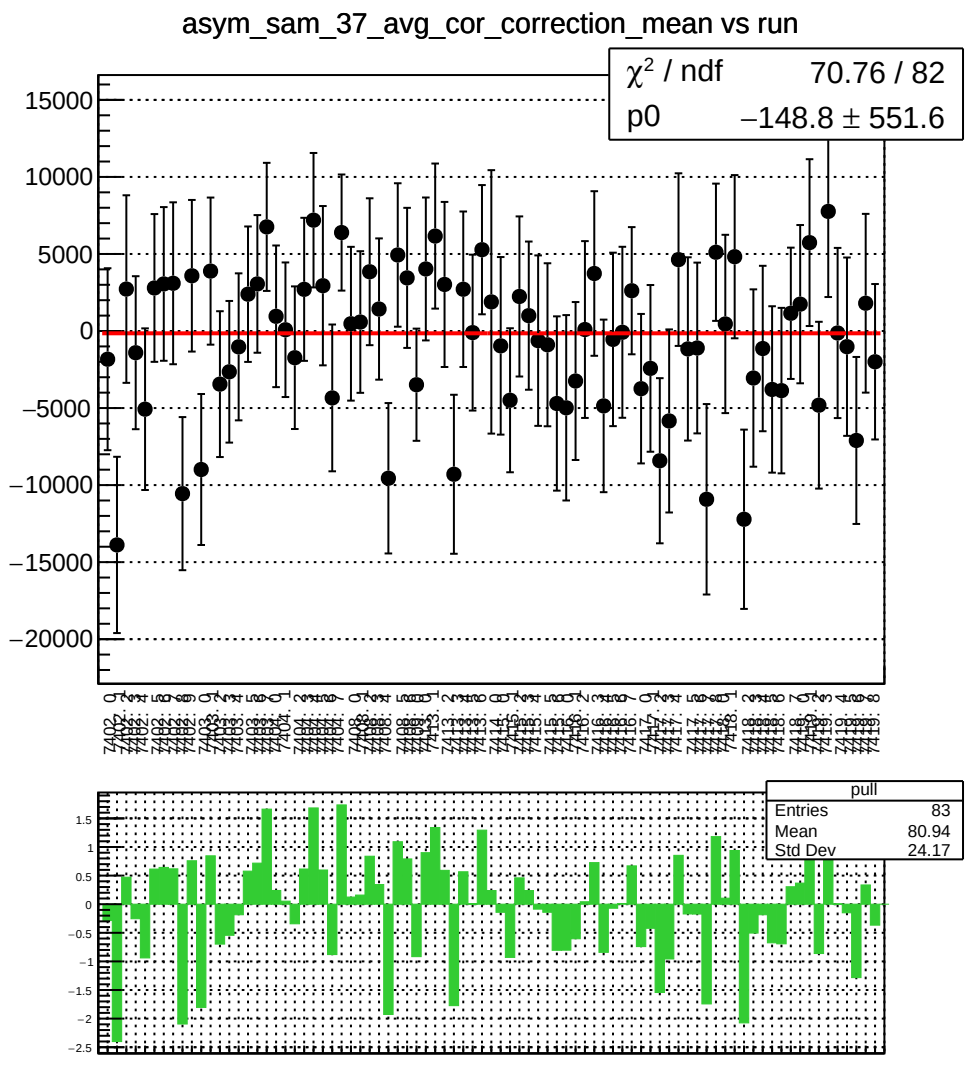

pull1D
Entries 83
Mean −0.03767
Std Dev 0.9225

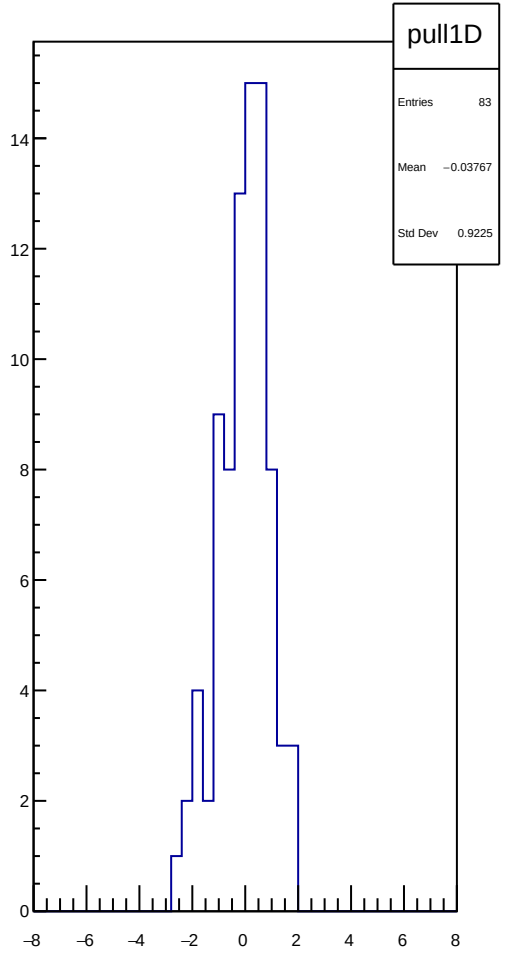

asym_sam_37_avg_reg_correction_rms vs run
χ^2 / ndf 1.249e+04 / 82
p0 488.1 ± 0.3901
600
550
500
450
400

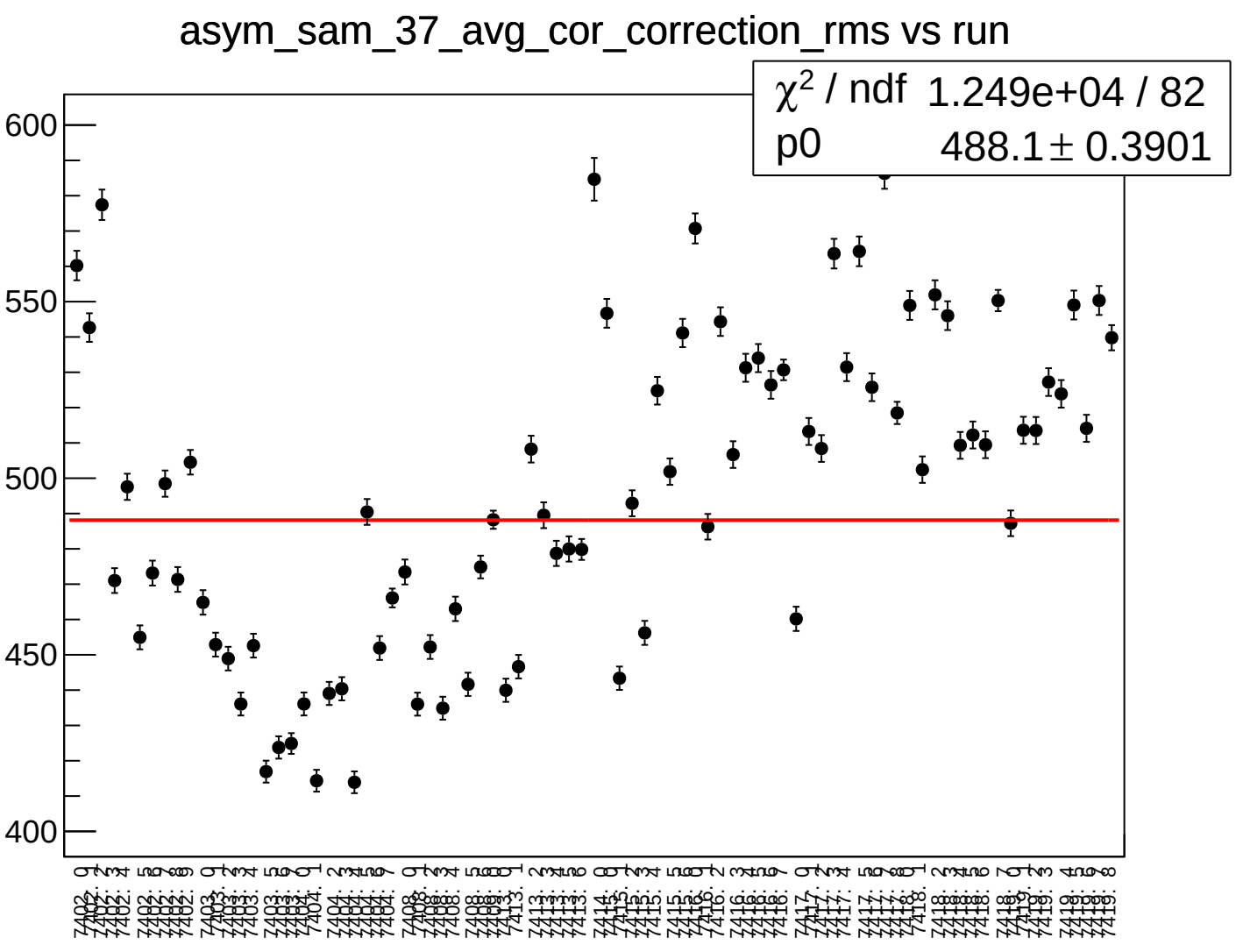

cor_asym_sam_37_avg_mean vs run
χ² / ndf 87.95 / 82
p0 33.28 ± 80.27
pull
Entries 83
Mean 267.5
Std Dev 0

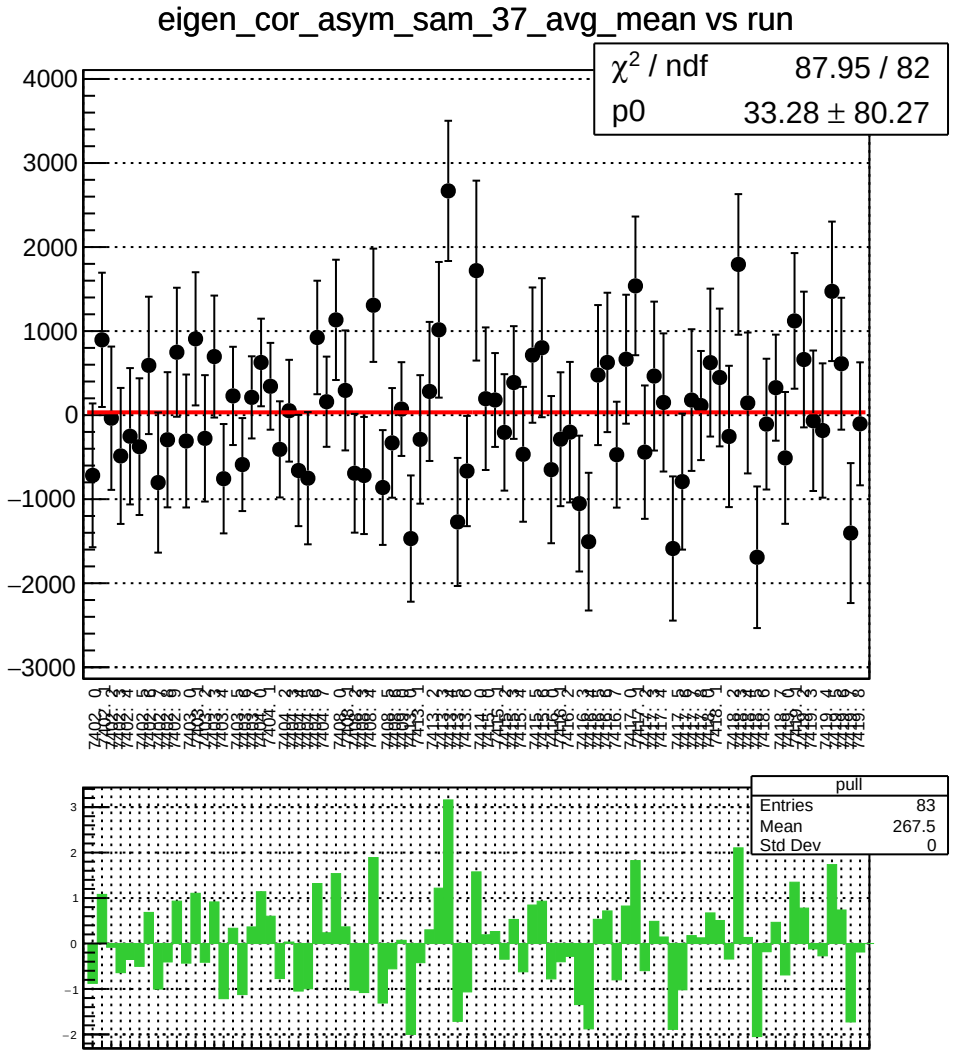

pull1D
Entries 83
Mean 0.004472
Std Dev 1.029

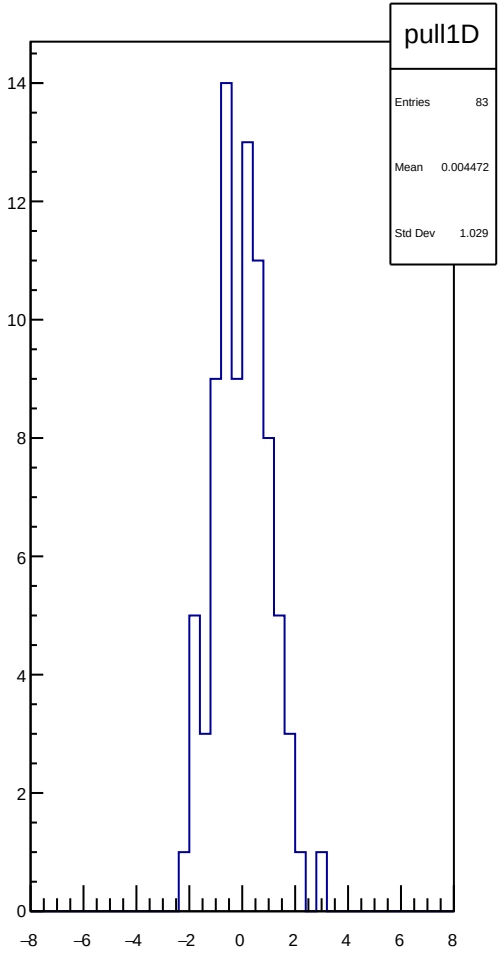

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.056e+04 / 82
p0 70.62 ± 0.05676
85
80
75
70
65
60
55
50

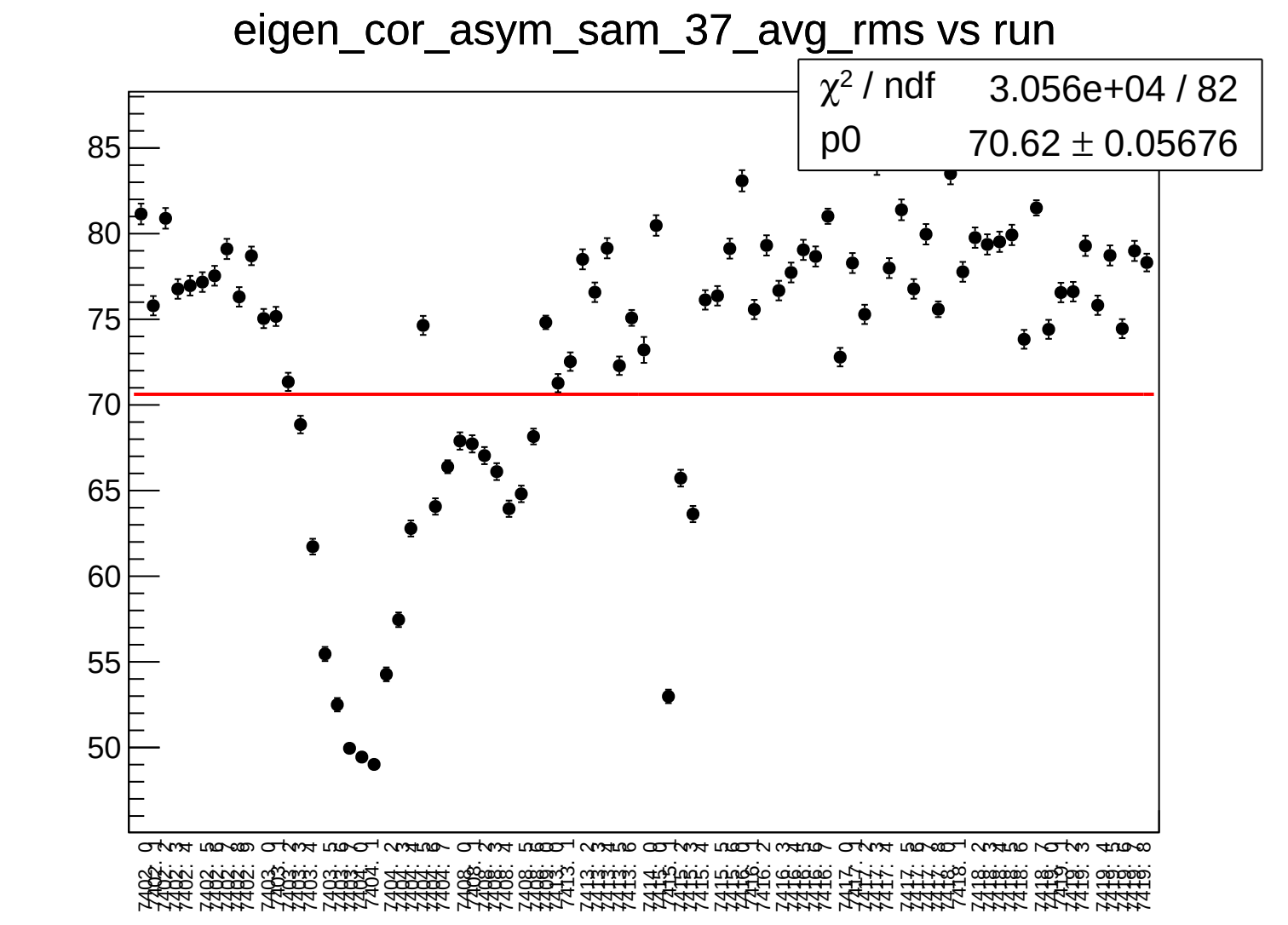

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 70.76 / 82
p0 −148.8 ± 551.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 80.94
Std Dev 24.17
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

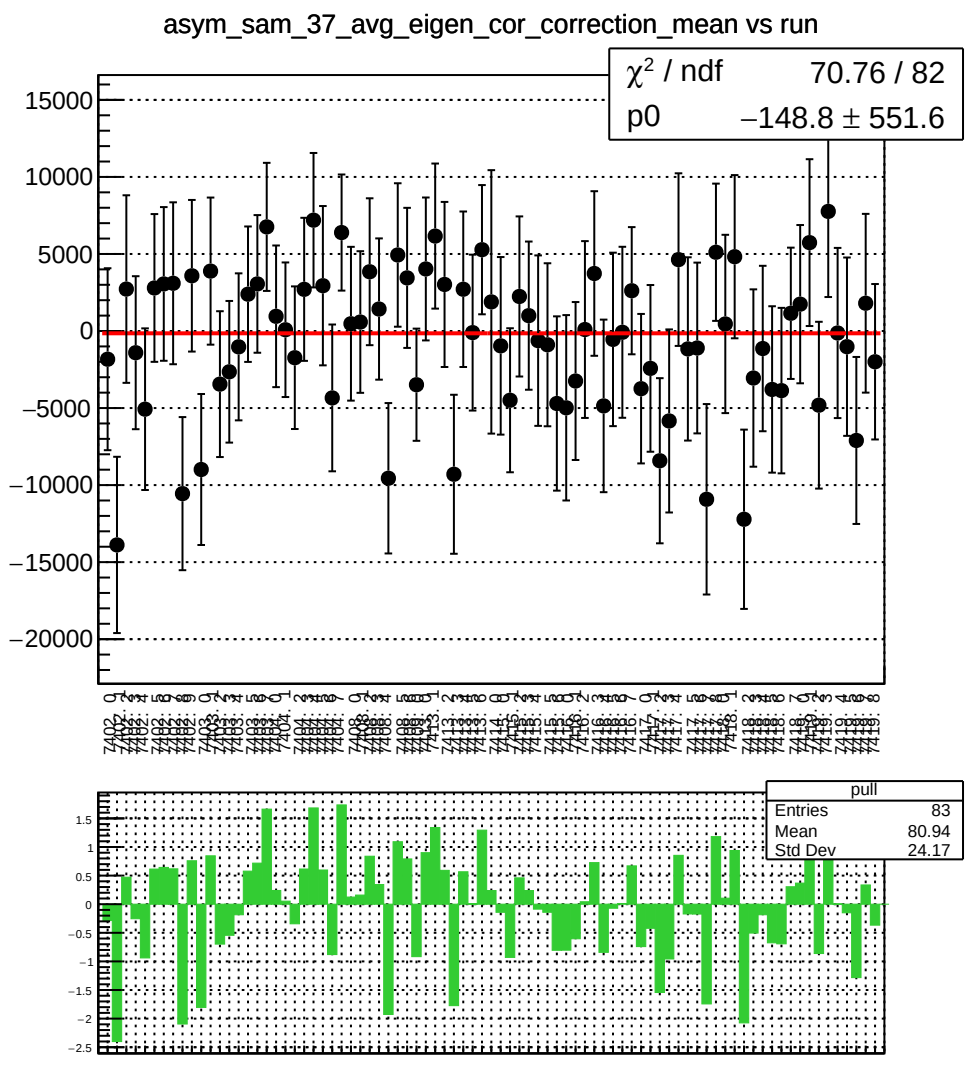

pull1D
Entries 83
Mean −0.03767
Std Dev 0.9225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

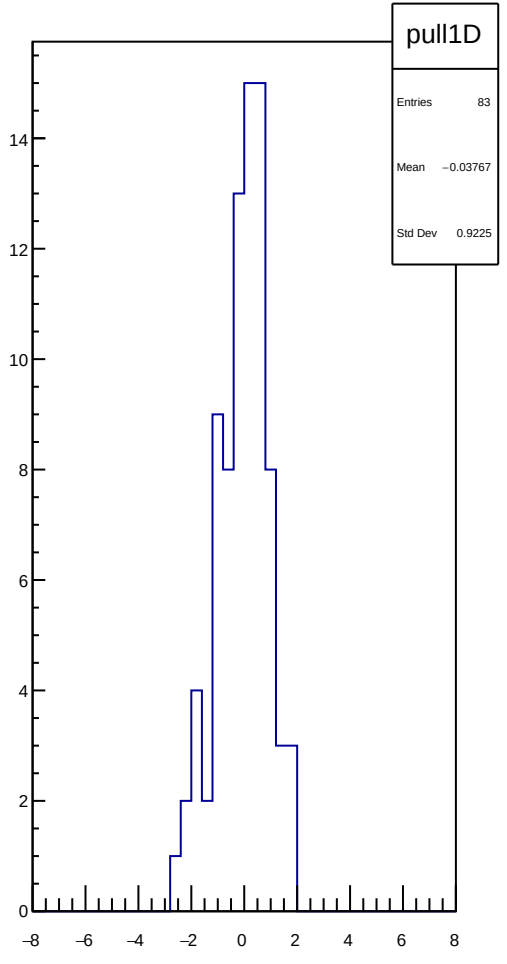

asym_sam_37_avg_cor_correction_rms vs run
χ^2 / ndf 1.249e+04 / 82
p0 488.1 ± 0.3901
600
550
500
450
400

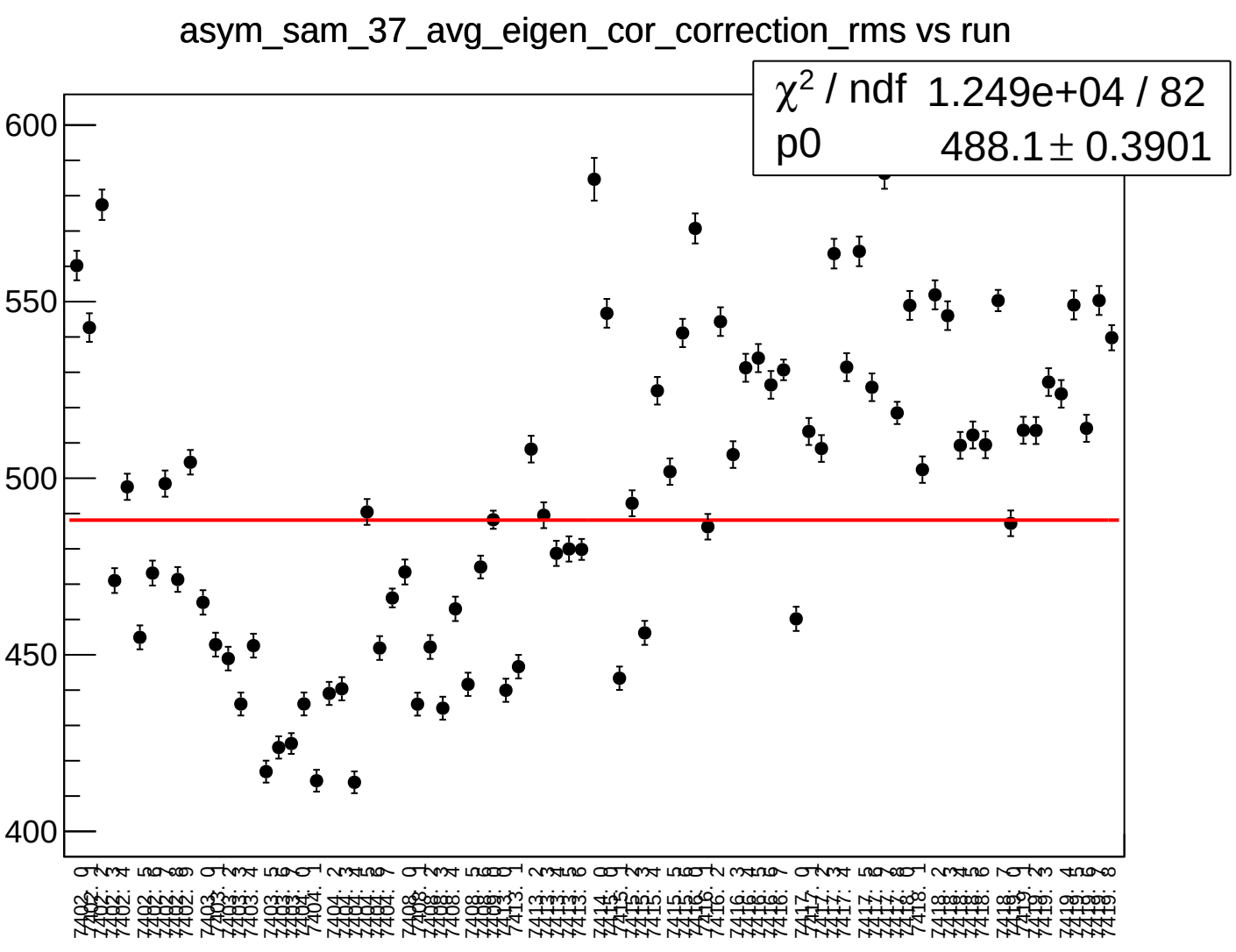

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 87.95 / 82
p0 33.28 ± 80.27
pull
Entries 83
Mean 267.5
Std Dev 0

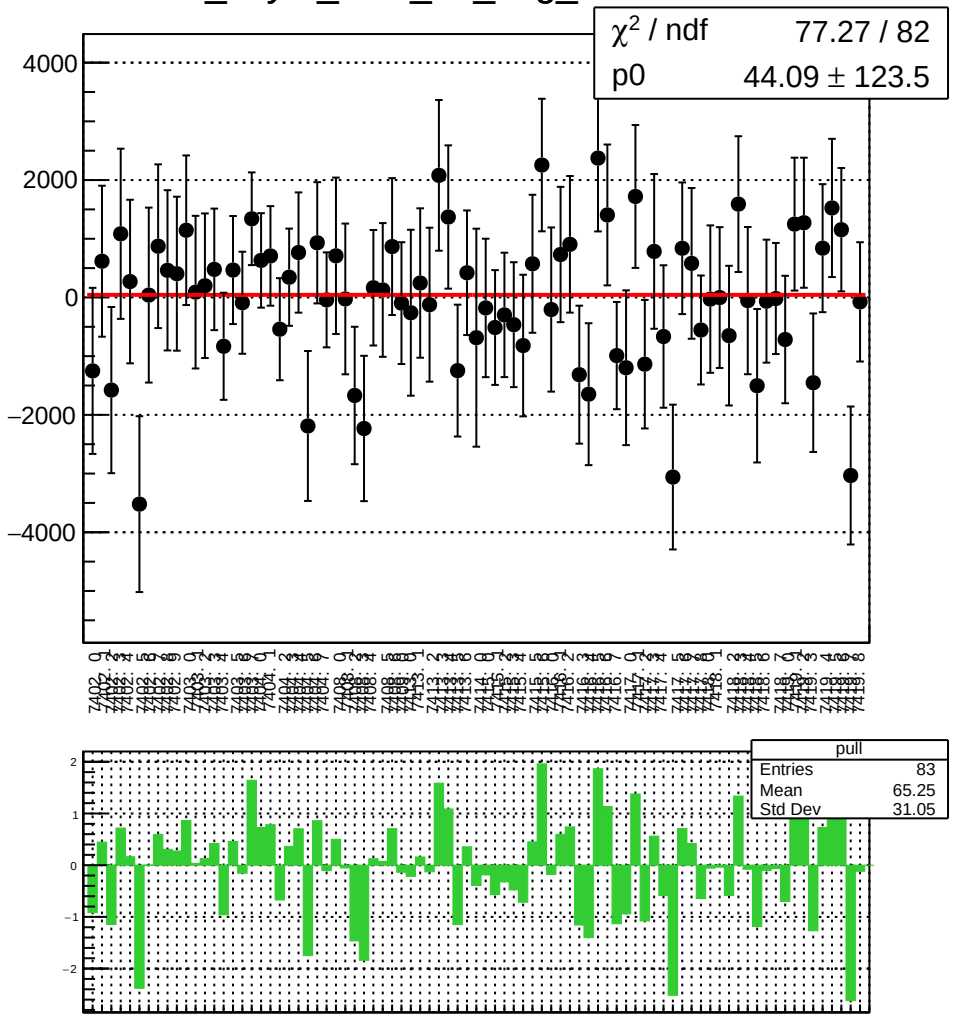

pull1D
Entries 83
Mean 0.004472
Std Dev 1.029

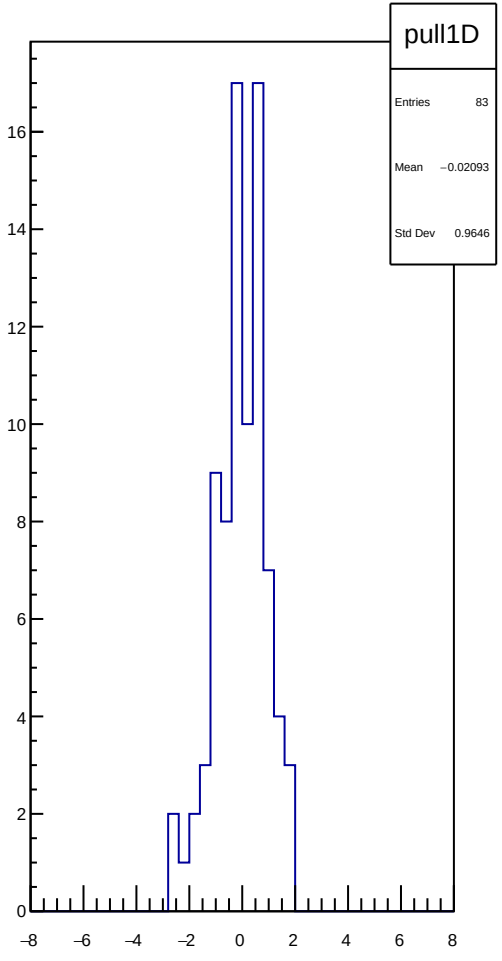

eigen_cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.056e+04 / 82
p0 70.62 ± 0.05676
85
80
75
70
65
60
55
50

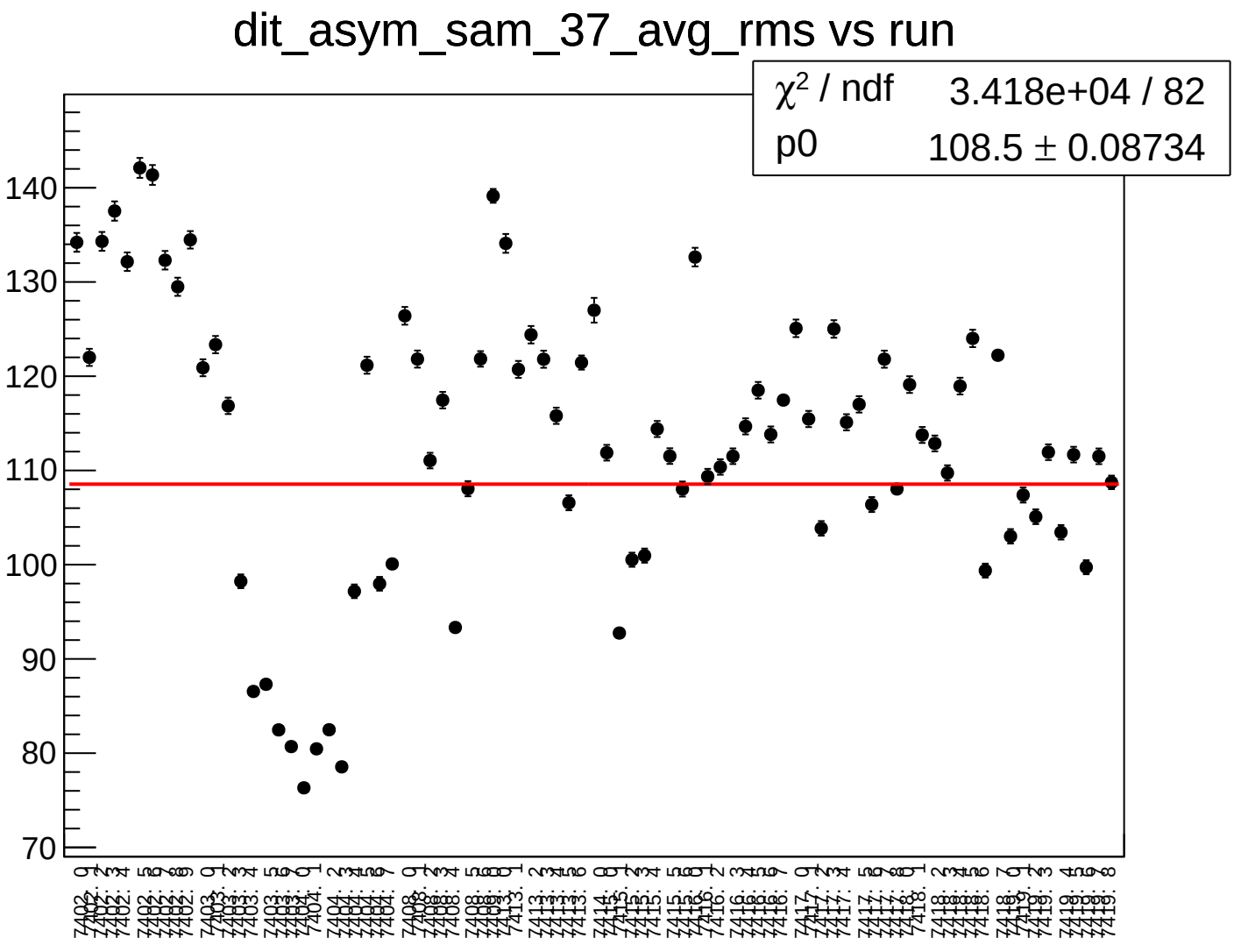

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 70.76 / 82
p0 −148.8 ± 551.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 80.94
Std Dev 24.17
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

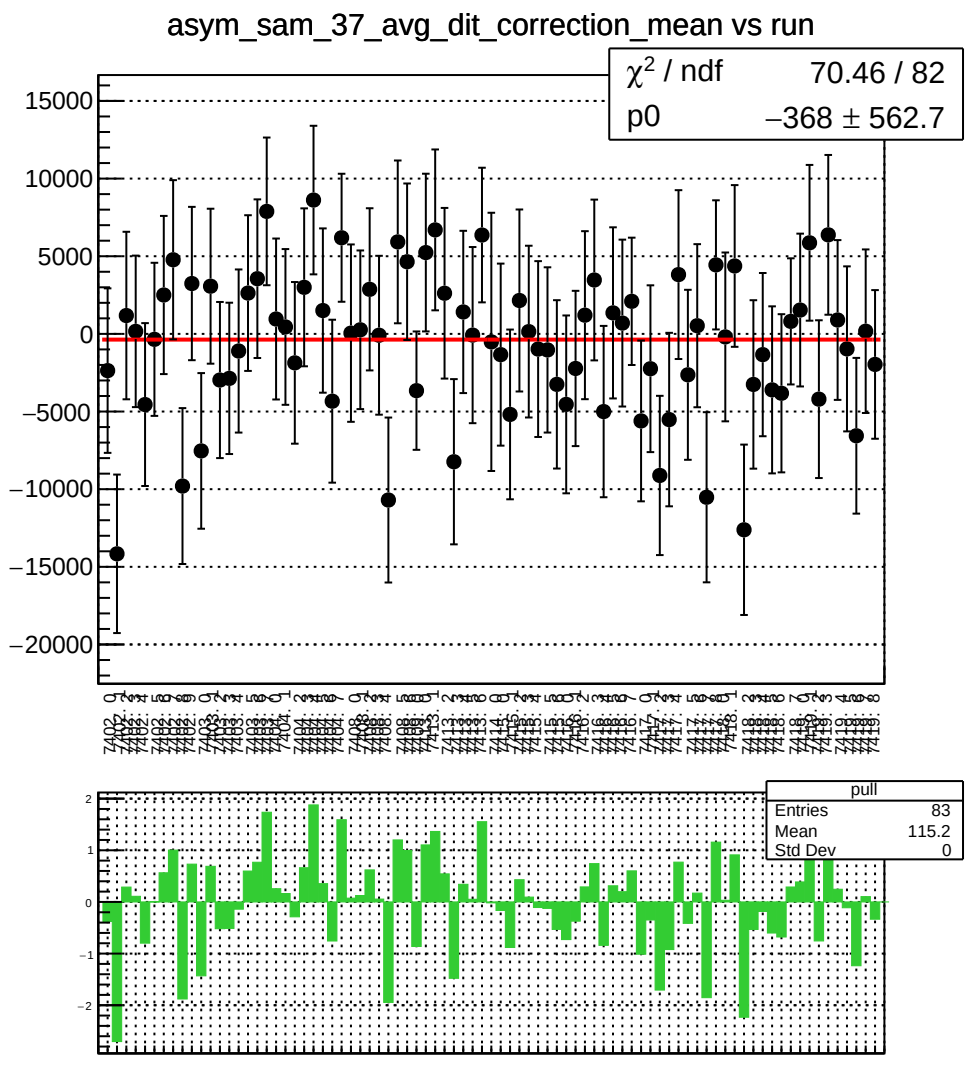

pull1D
Entries 83
Mean −0.03767
Std Dev 0.9225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

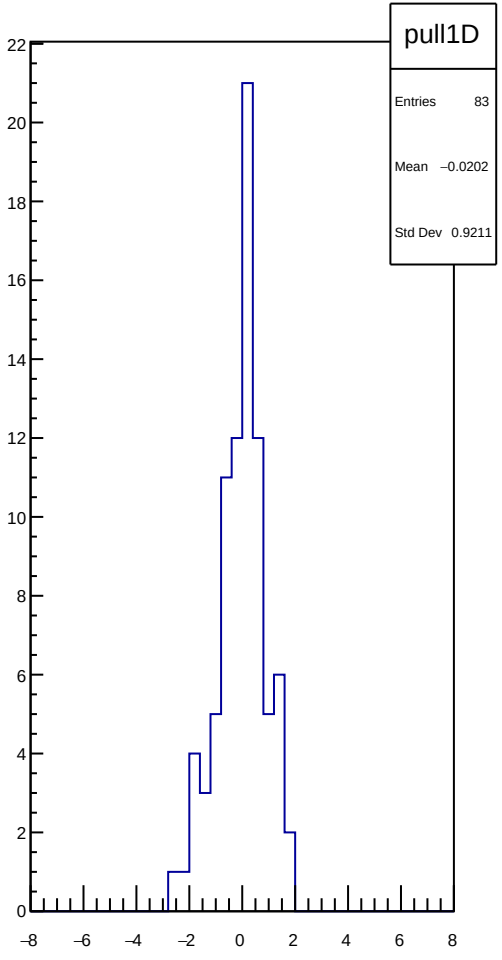

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.249e+04 / 82
p0 488.1 ± 0.3901
600
550
500
450
400

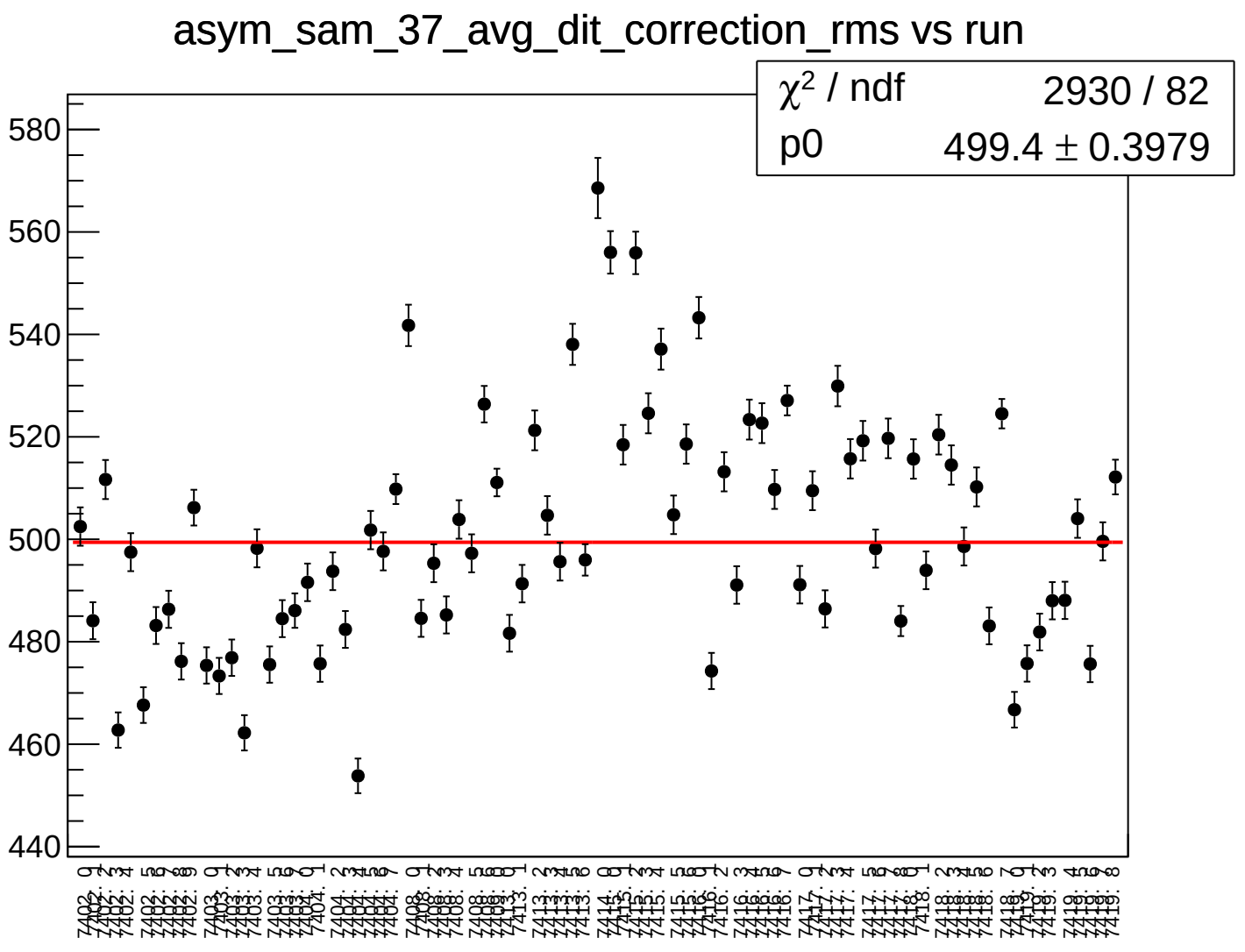

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 77.27 / 82
p0 44.09 ± 123.5
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 65.25
Std Dev 31.05
2
1
0
−1
−2

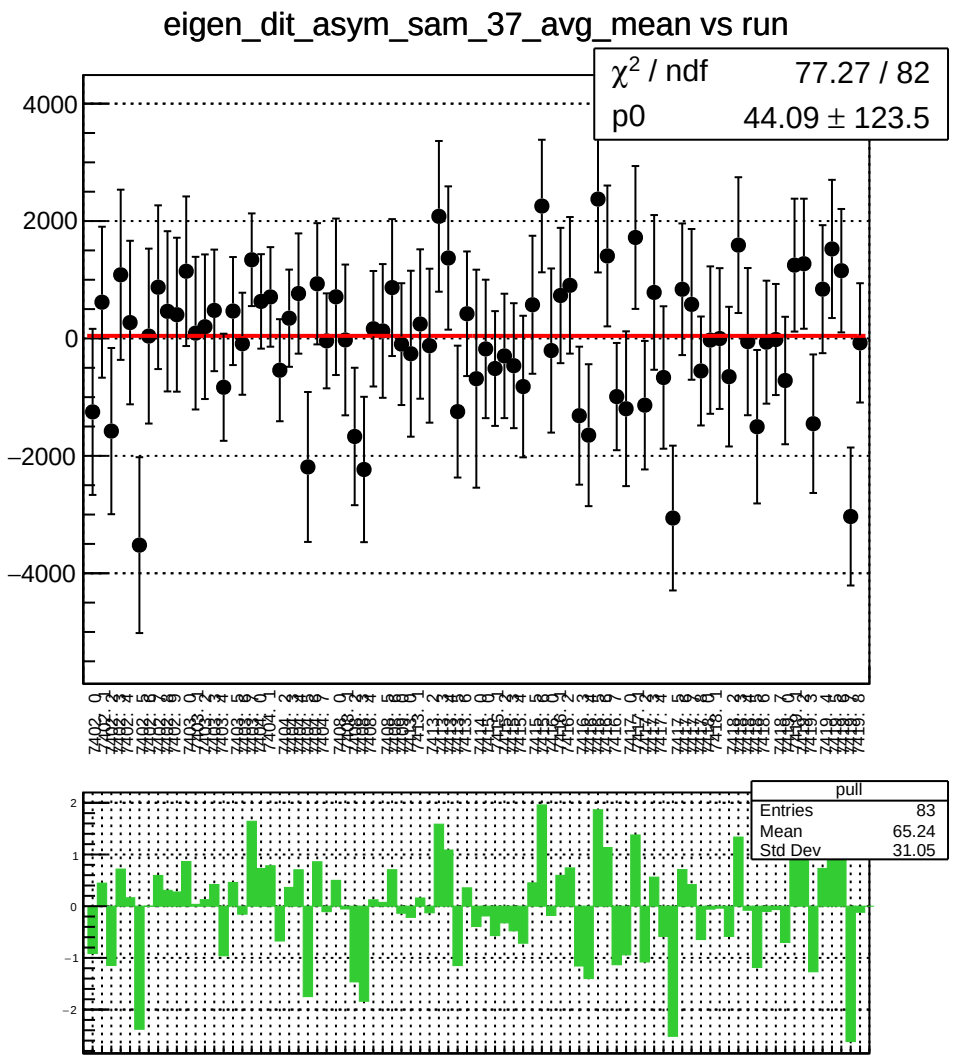

pull1D
Entries 83
Mean −0.02093
Std Dev 0.9646
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

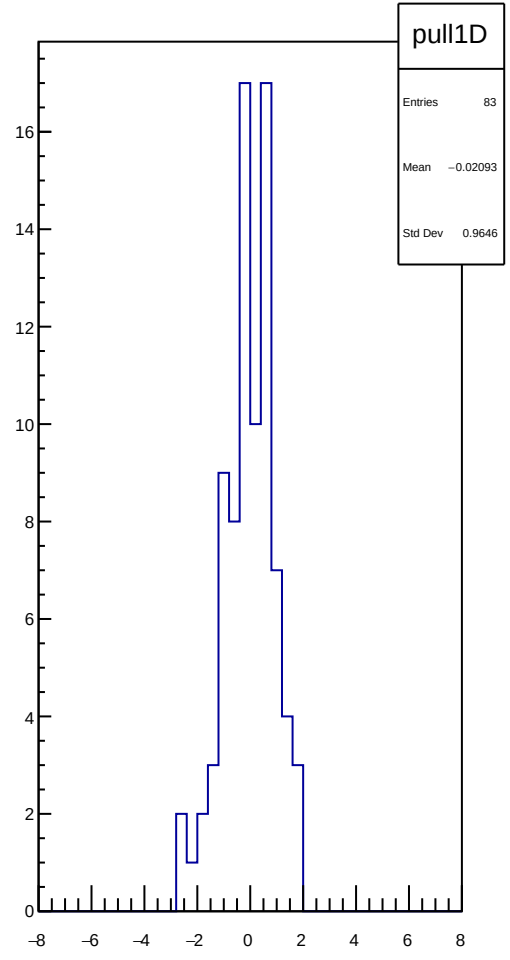

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.418e+04 / 82
p0 108.5 ± 0.08734
140
130
120
110
100
90
80
70

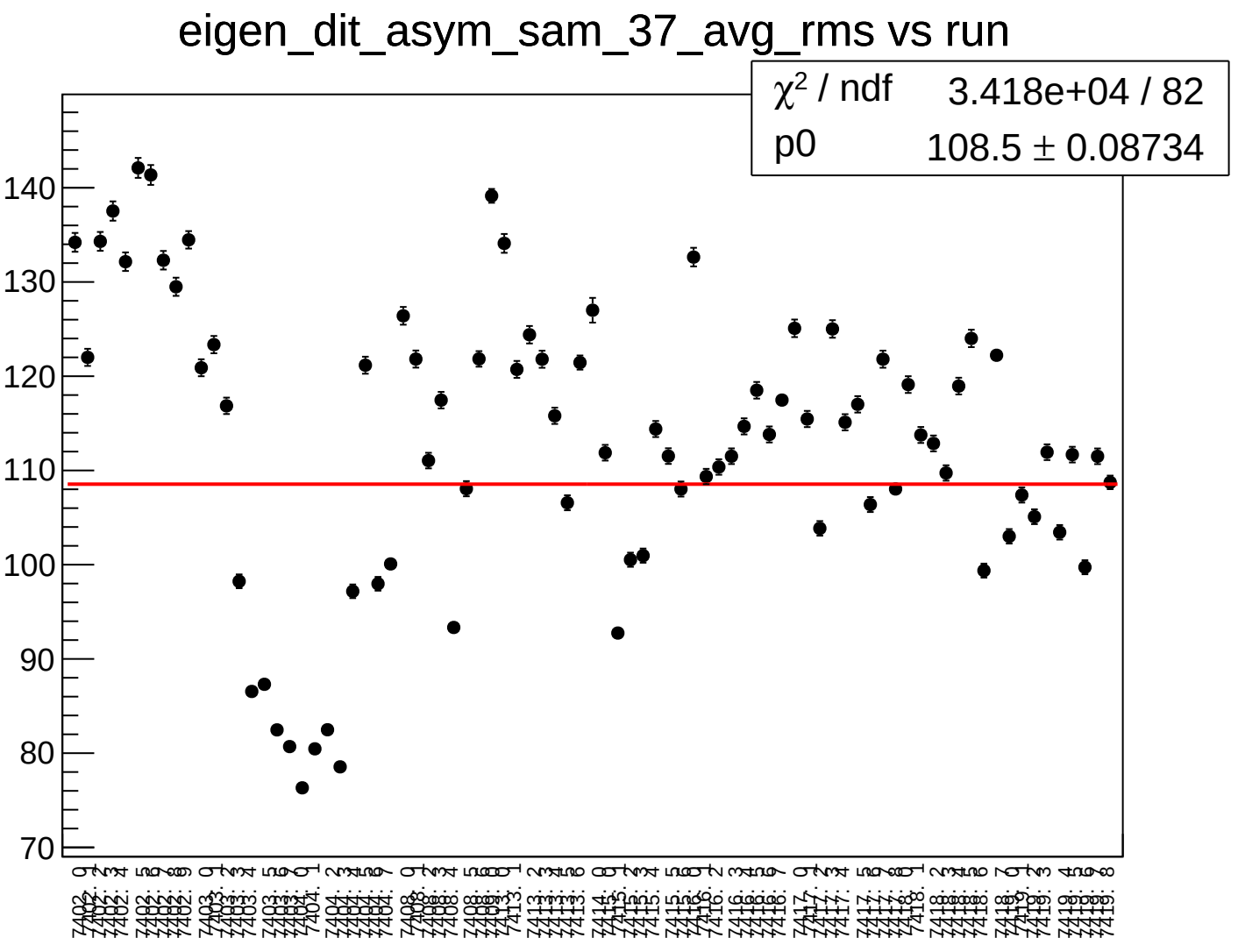

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 70.46 / 82
p0 −368 ± 562.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 115.2
Std Dev 0
2
1
0
−1
−2

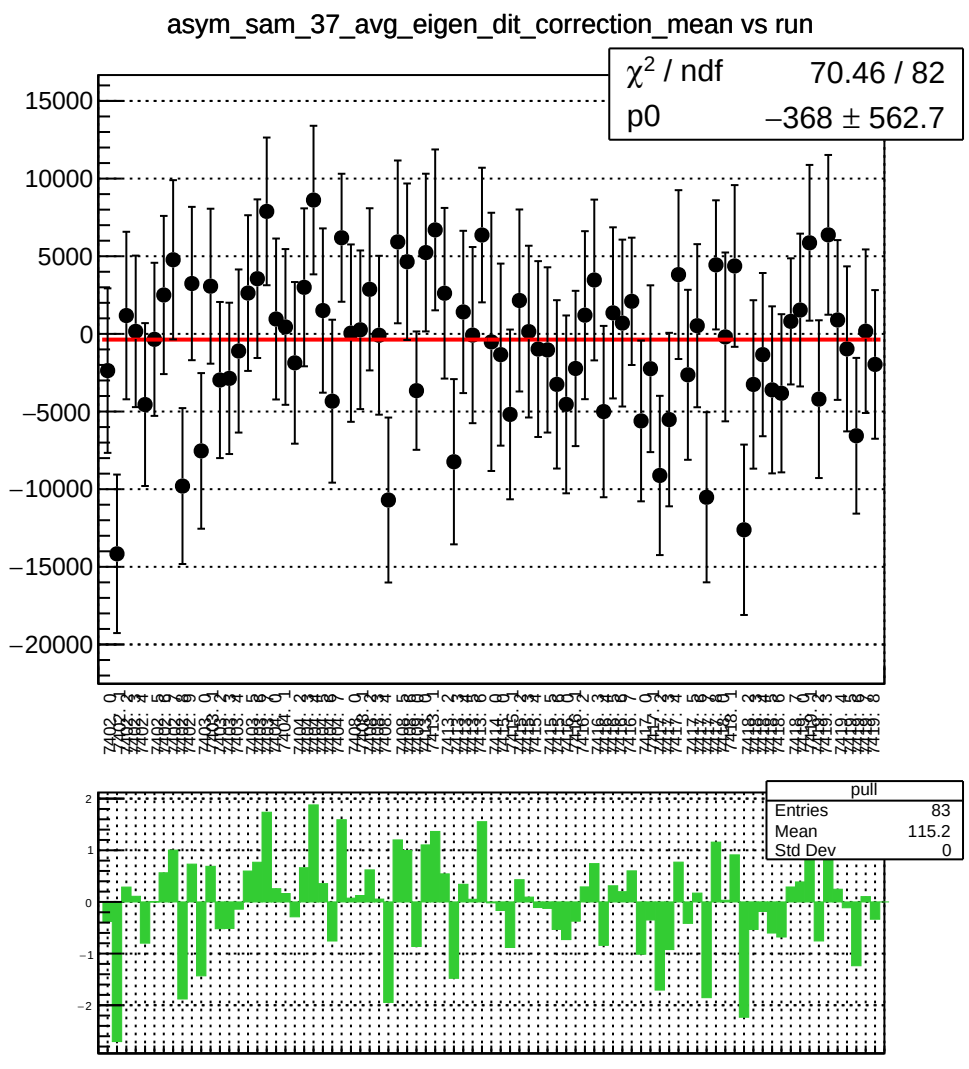

pull1D
Entries 83
Mean −0.0202
Std Dev 0.9211
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

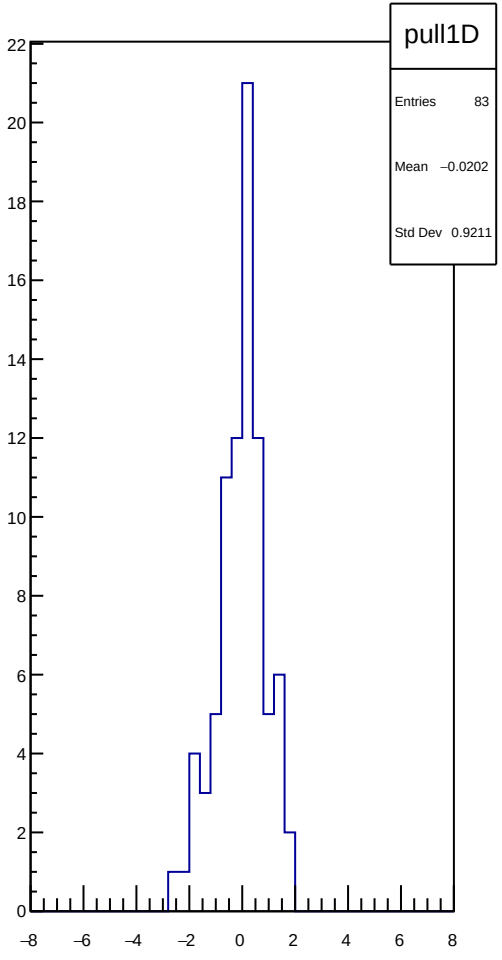

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 2930 / 82
p0 499.4 ± 0.3979
580
560
540
520
500
480
460
440

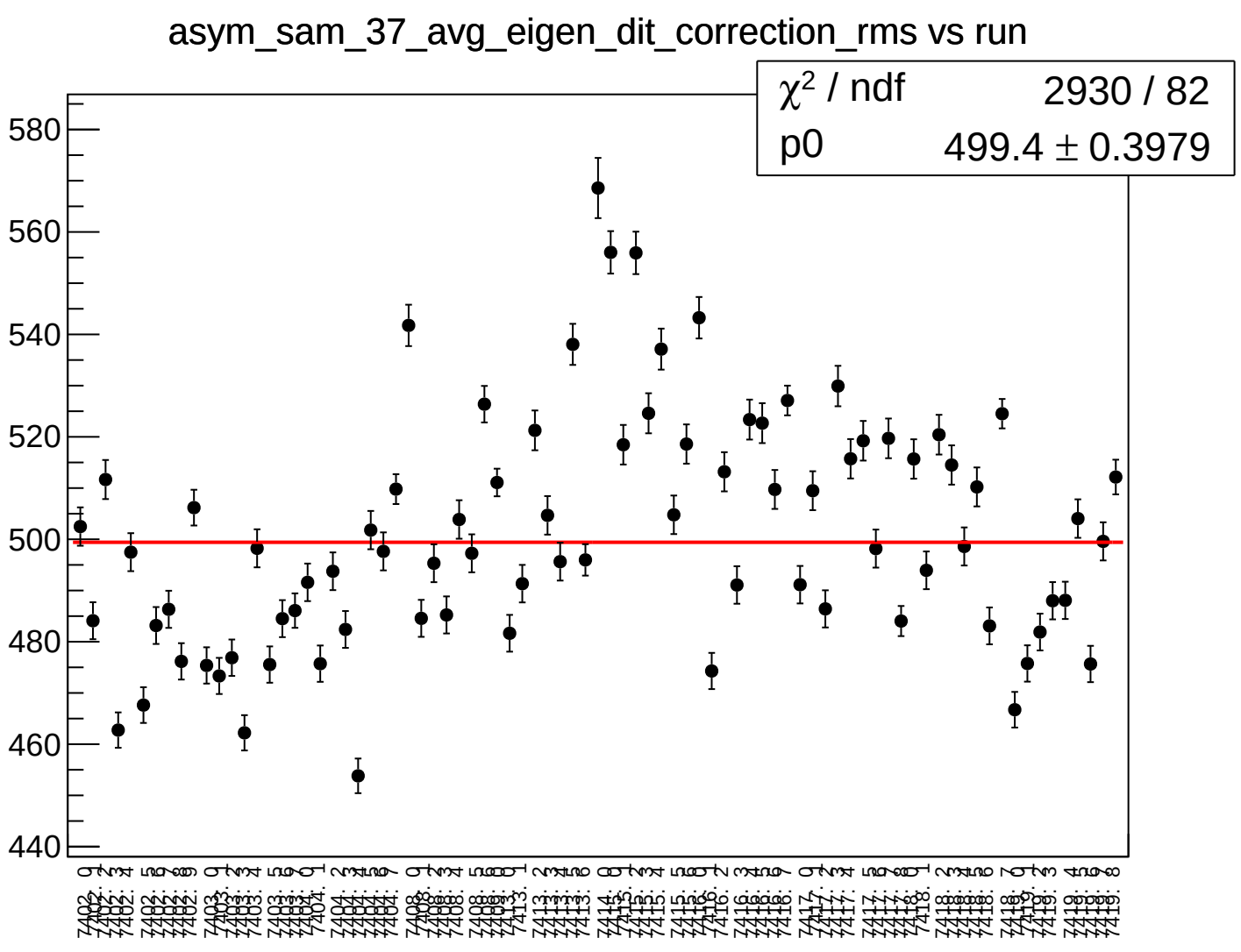

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 77.27 / 82
p0 44.09 ± 123.5
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 65.24
Std Dev 31.05
2
1
0
−1
−2

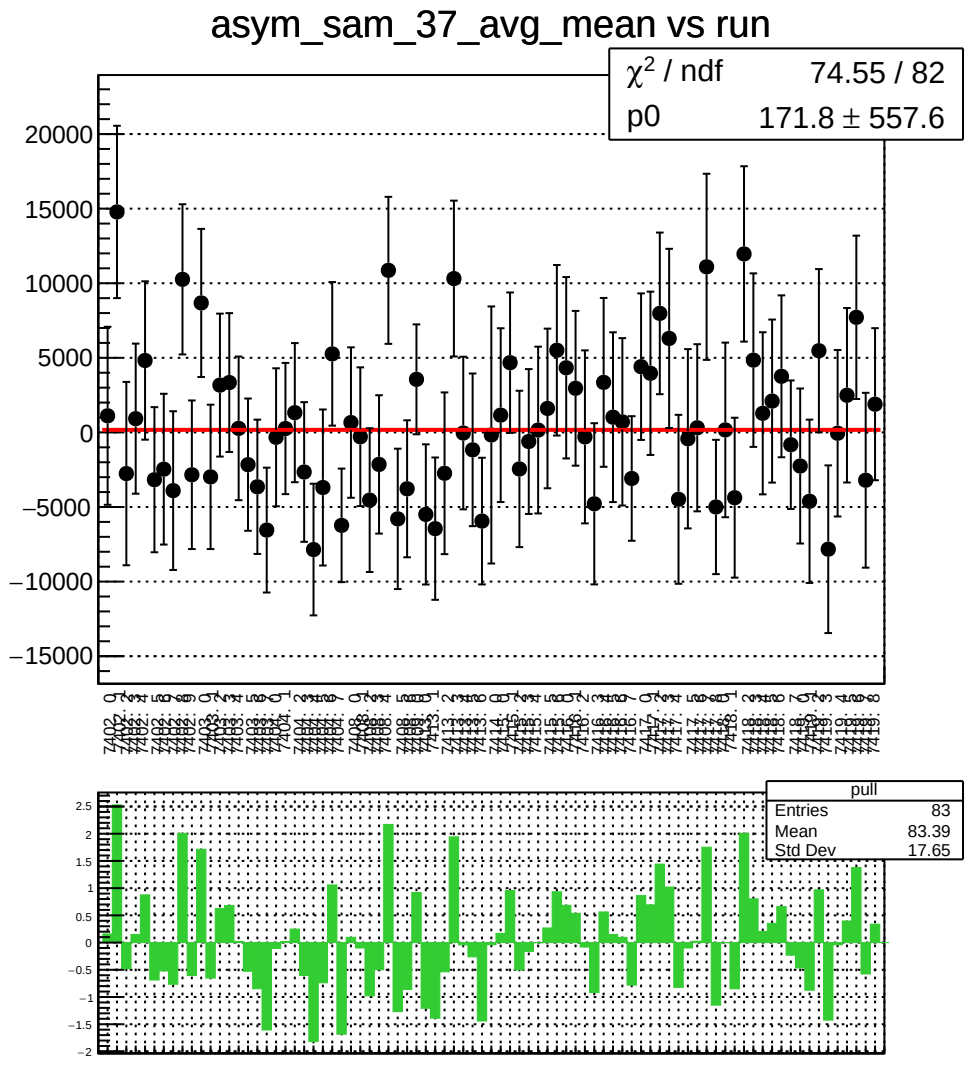

pull1D
Entries 83
Mean −0.02093
Std Dev 0.9646
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

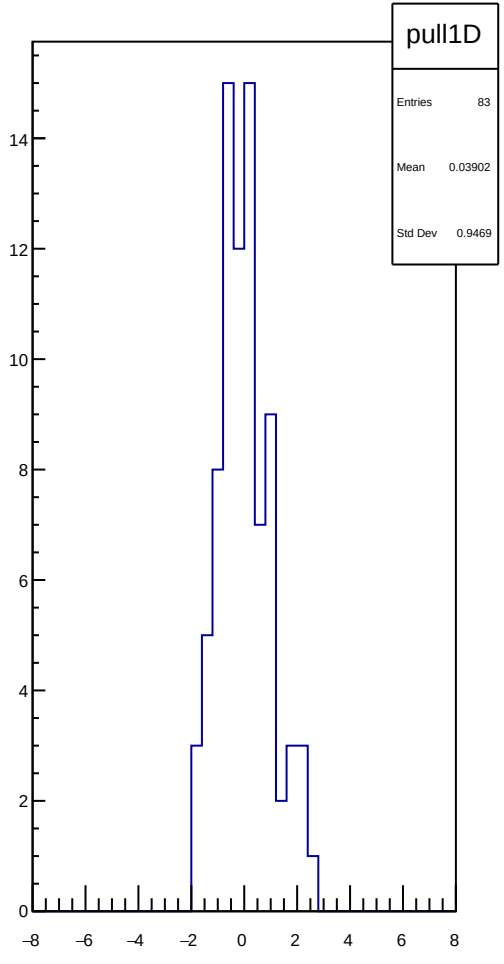

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 3.418e+04 / 82
p0 108.5 ± 0.08734
140
130
120
110
100
90
80
70

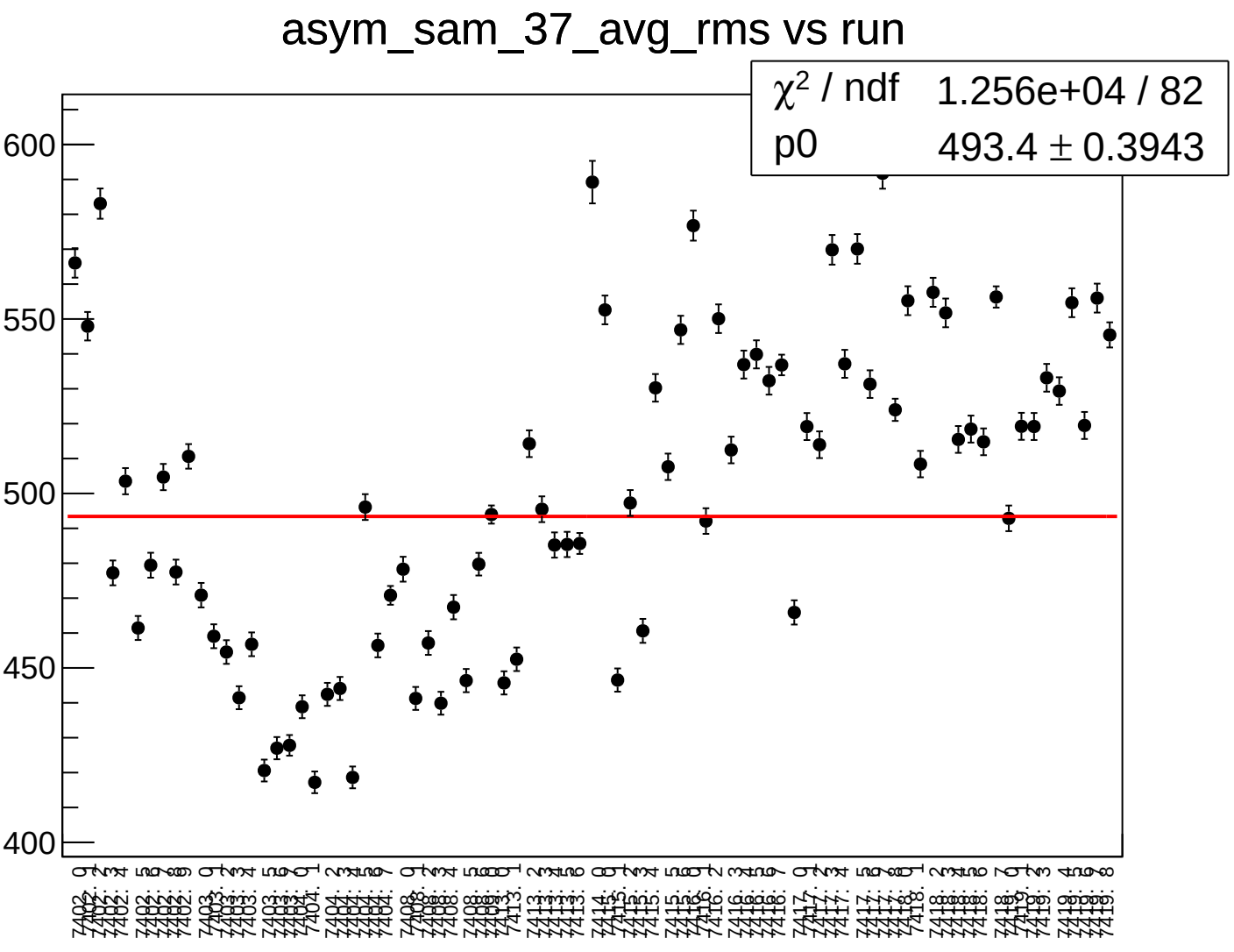

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 70.46 / 82
p0 −368 ± 562.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 115.2
Std Dev 0
2
1
0
−1
−2

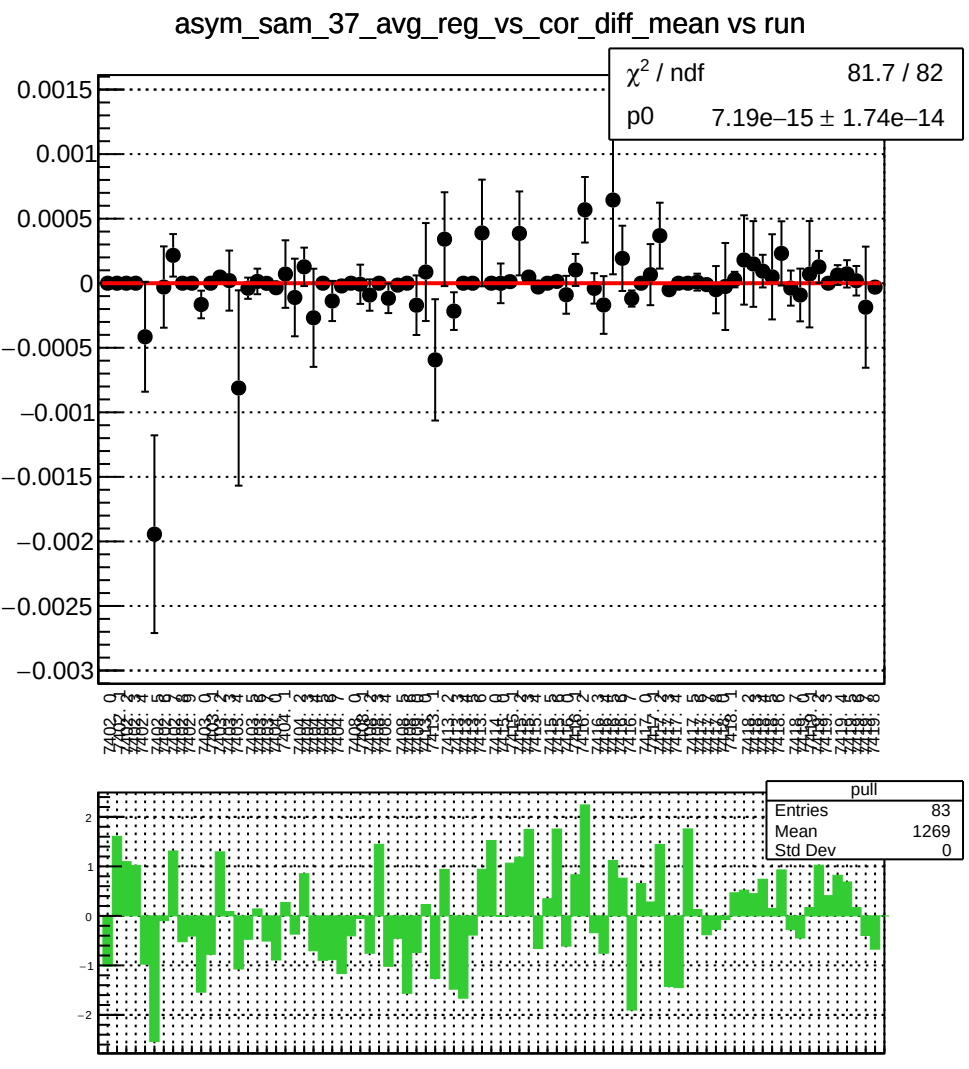

pull1D
Entries 83
Mean −0.0202
Std Dev 0.9211
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

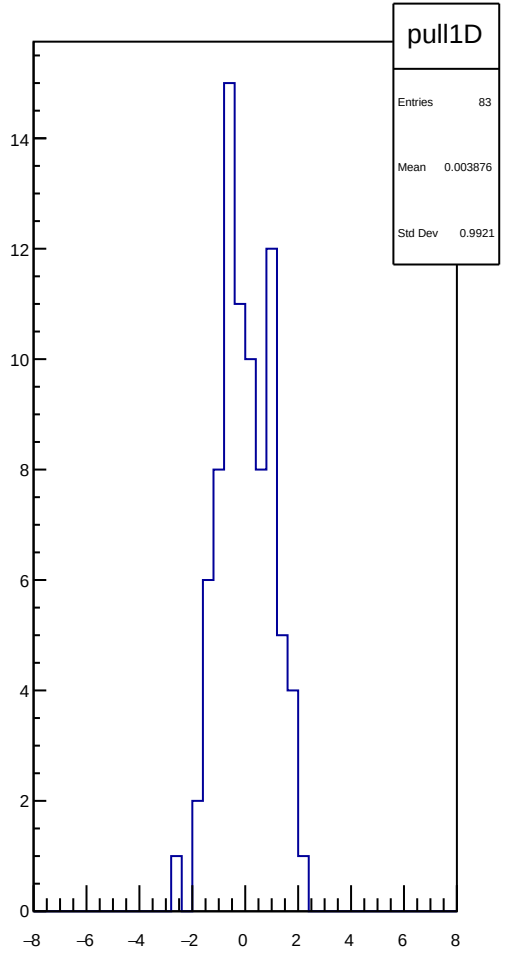

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 2930 / 82
p0 499.4 ± 0.3979
580
560
540
520
500
480
460
440

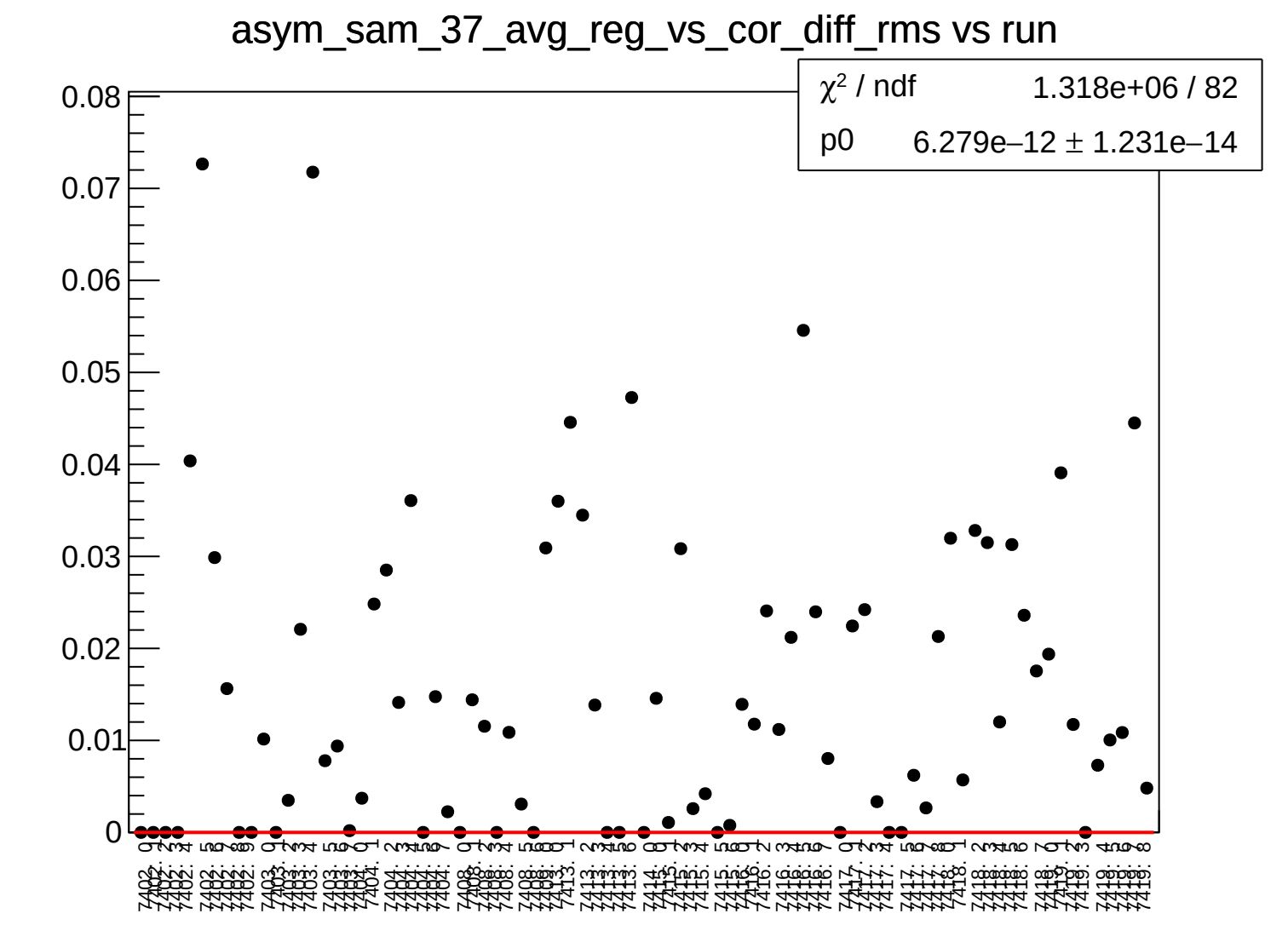

asym_sam_37_avg_mean vs run
χ² / ndf 74.55 / 82
p0 171.8 ± 557.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 83.39
Std Dev 17.65
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

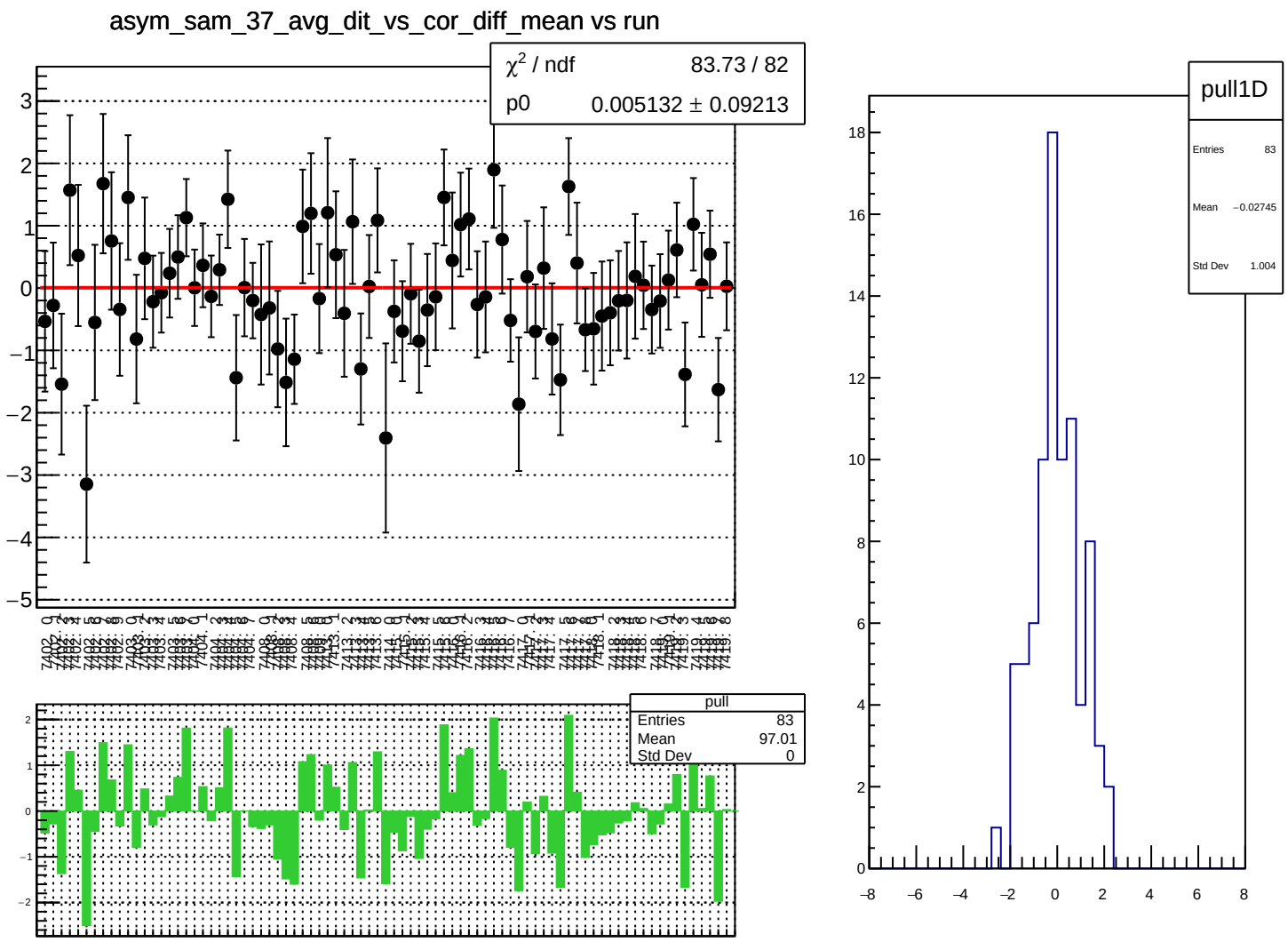

pull1D
Entries 83
Mean 0.03902
Std Dev 0.9469
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

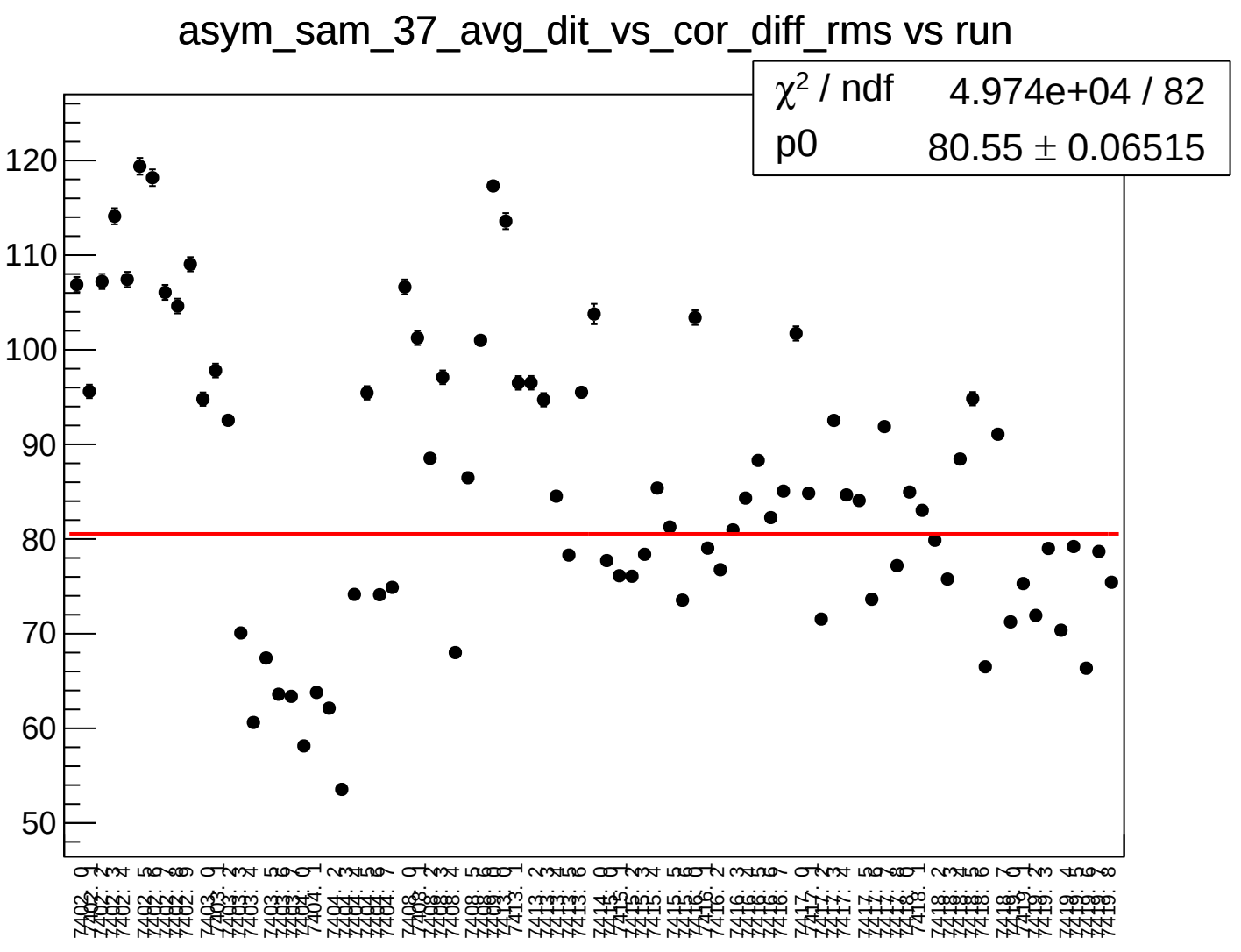

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.256e+04 / 82
p0 493.4 ± 0.3943
600
550
500
450
400

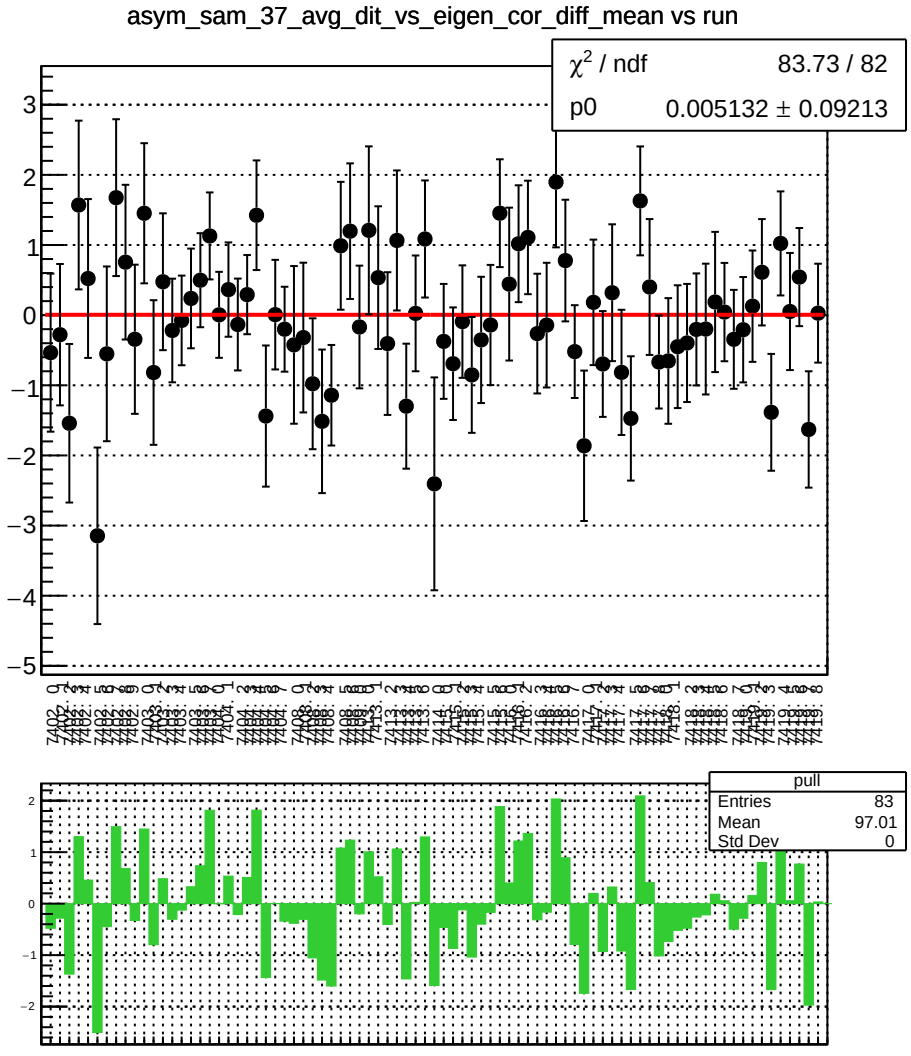

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.7 / 82
p0 7.19e−15 ± 1.74e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
pull
Entries 83
Mean 1269
Std Dev 0
2
1
0
−1
−2

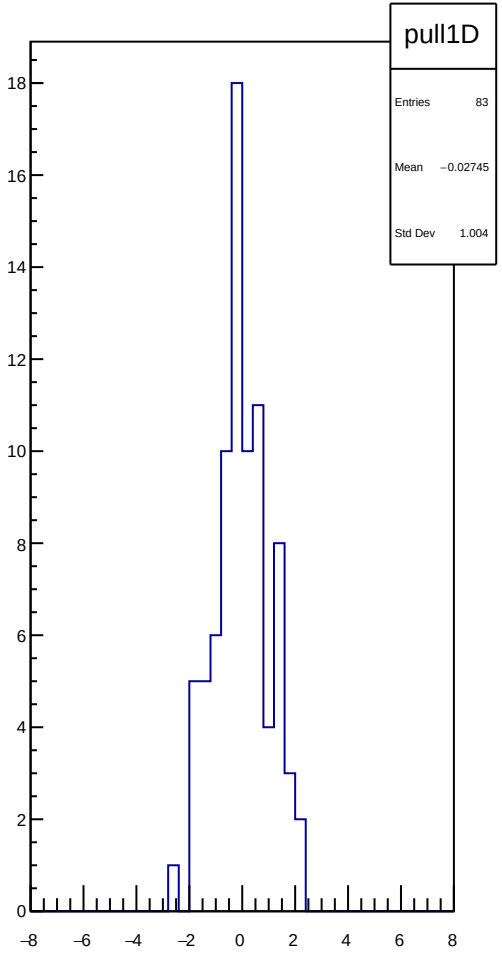

pull1D
Entries 83
Mean 0.003876
Std Dev 0.9921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

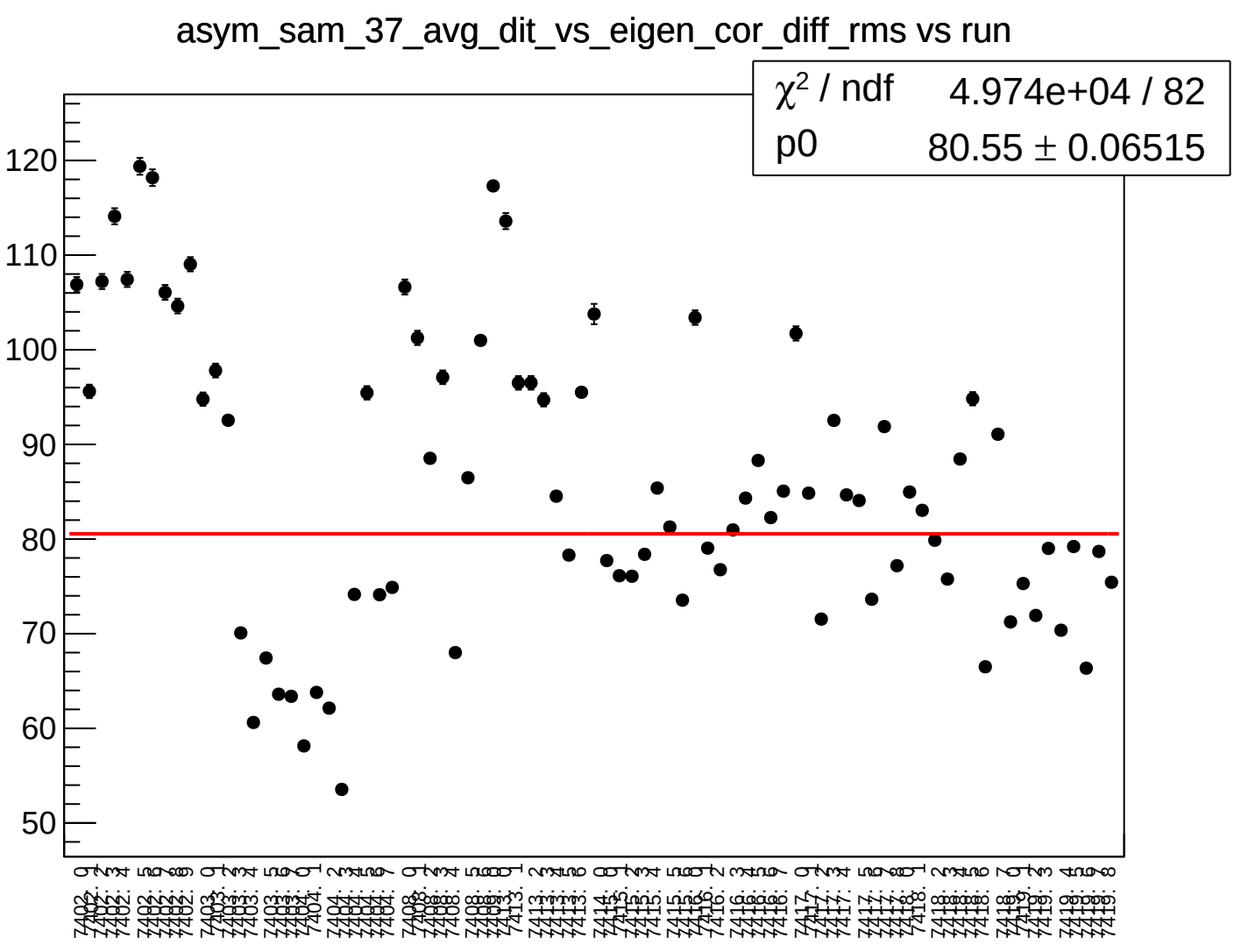

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.318e+06 / 82
p0 6.279e−12 ± 1.231e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

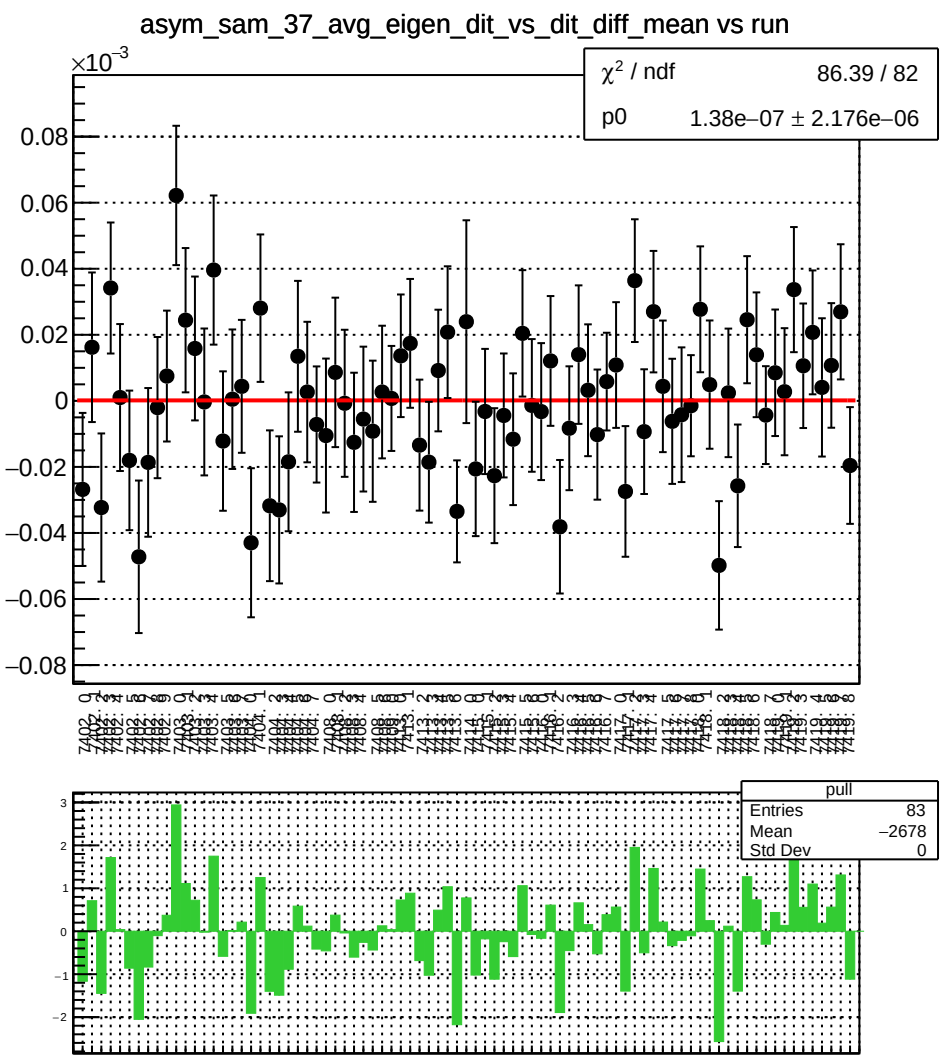

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.73 / 82
p0 0.005132 ± 0.09213
pull
Entries 83
Mean 97.01
Std Dev 0
pull1D
Entries 83
Mean −0.02745
Std Dev 1.004

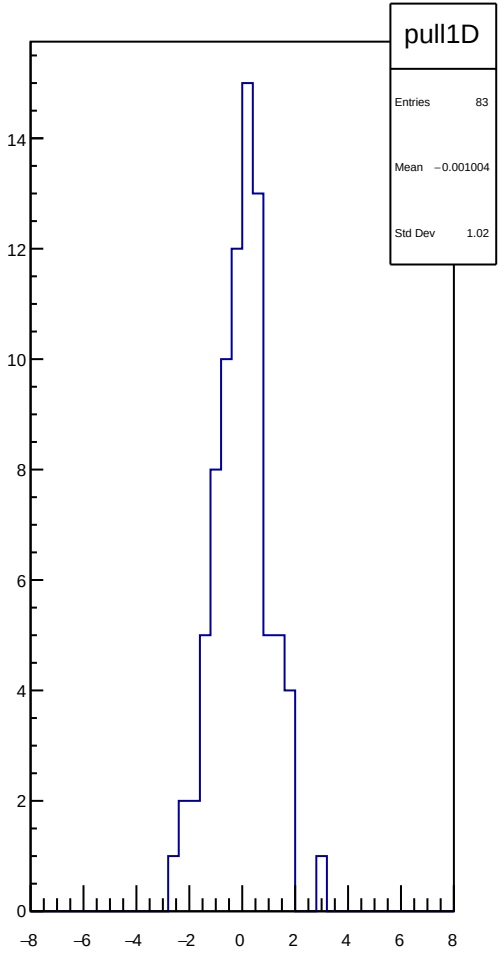

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.974e+04 / 82
p0 80.55 ± 0.06515
120
110
100
90
80
70
60
50

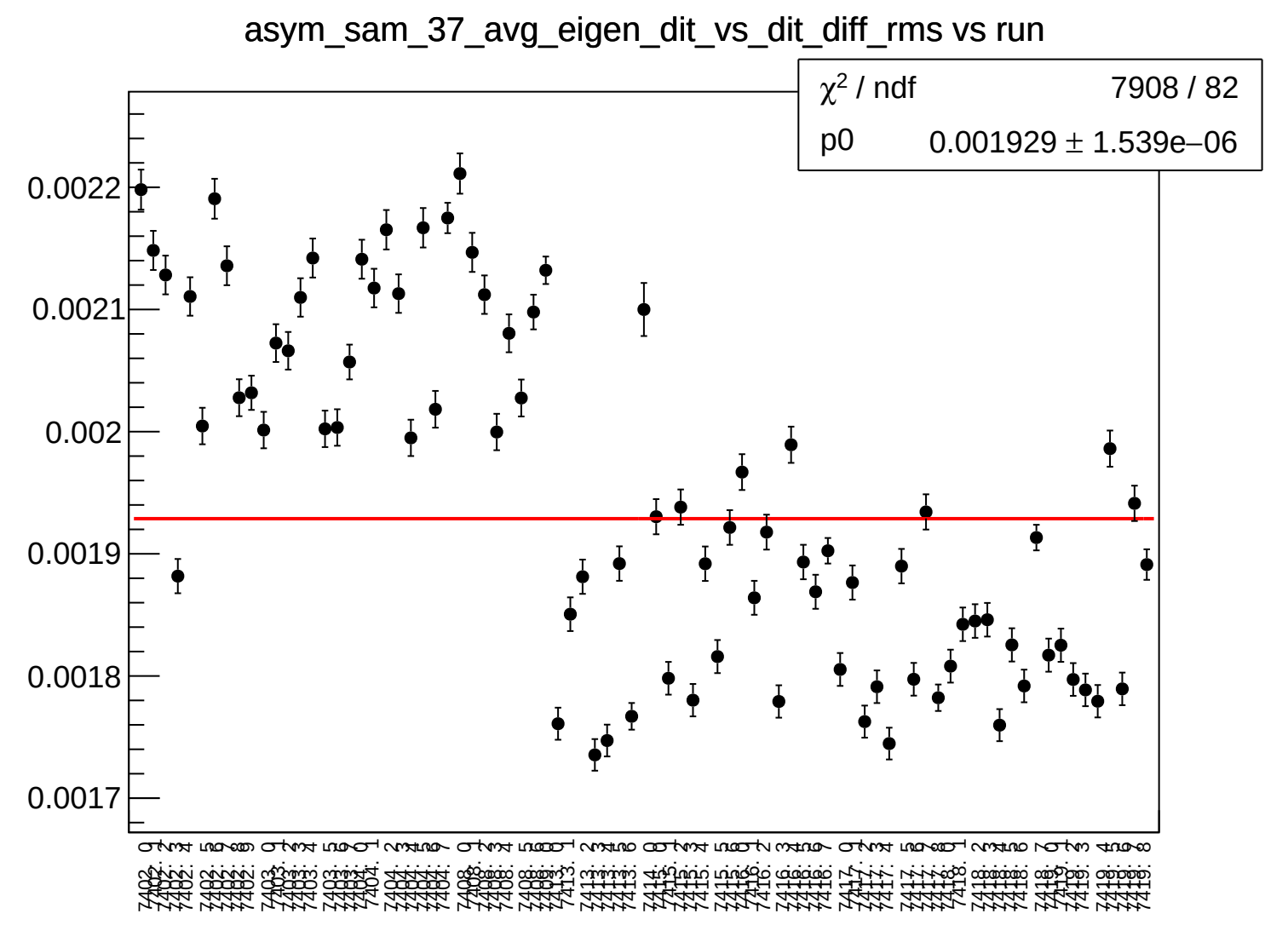

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.73 / 82
p0 0.005132 ± 0.09213
pull
Entries 83
Mean 97.01
Std Dev 0

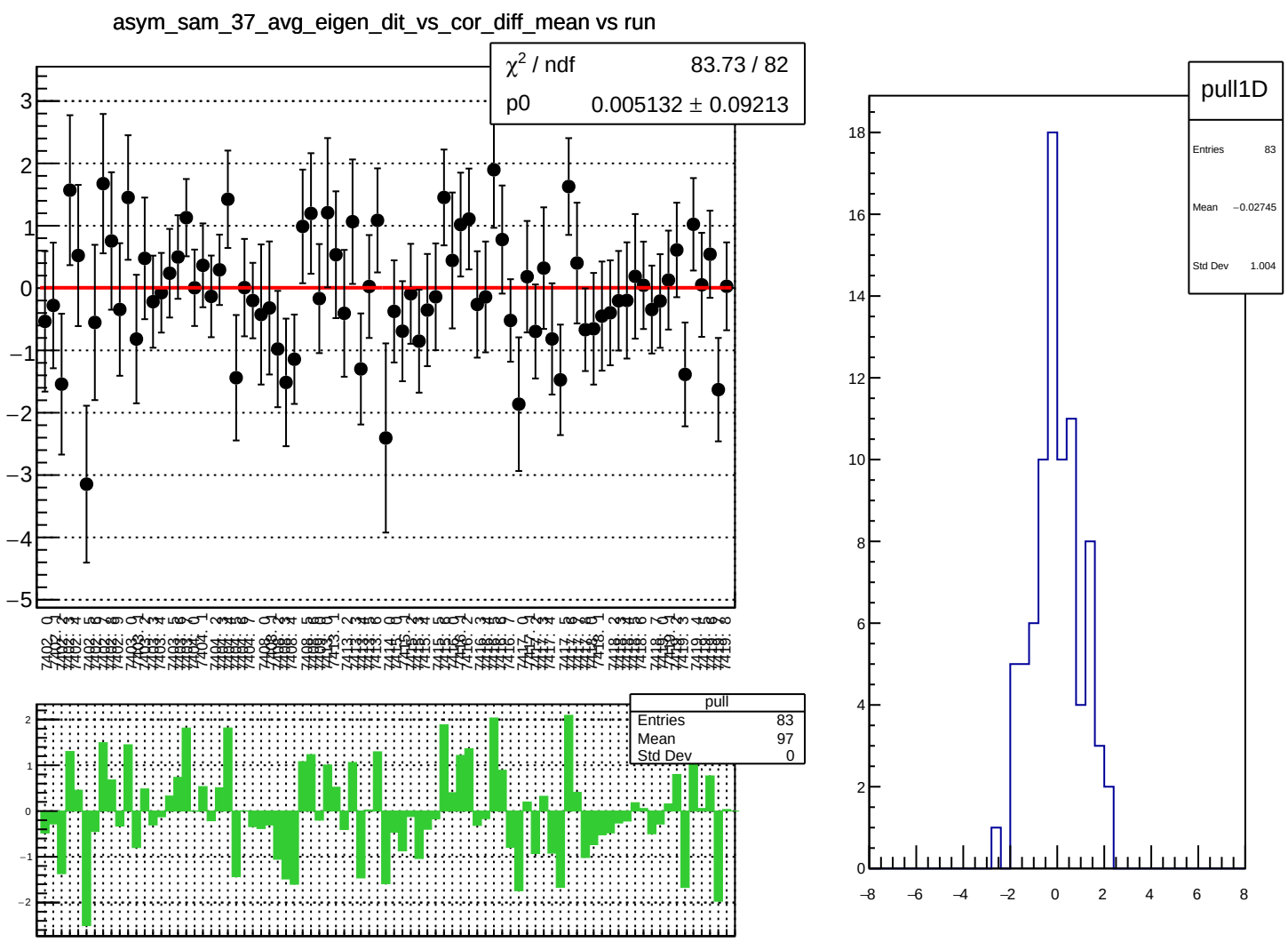

pull1D
Entries 83
Mean −0.02745
Std Dev 1.004

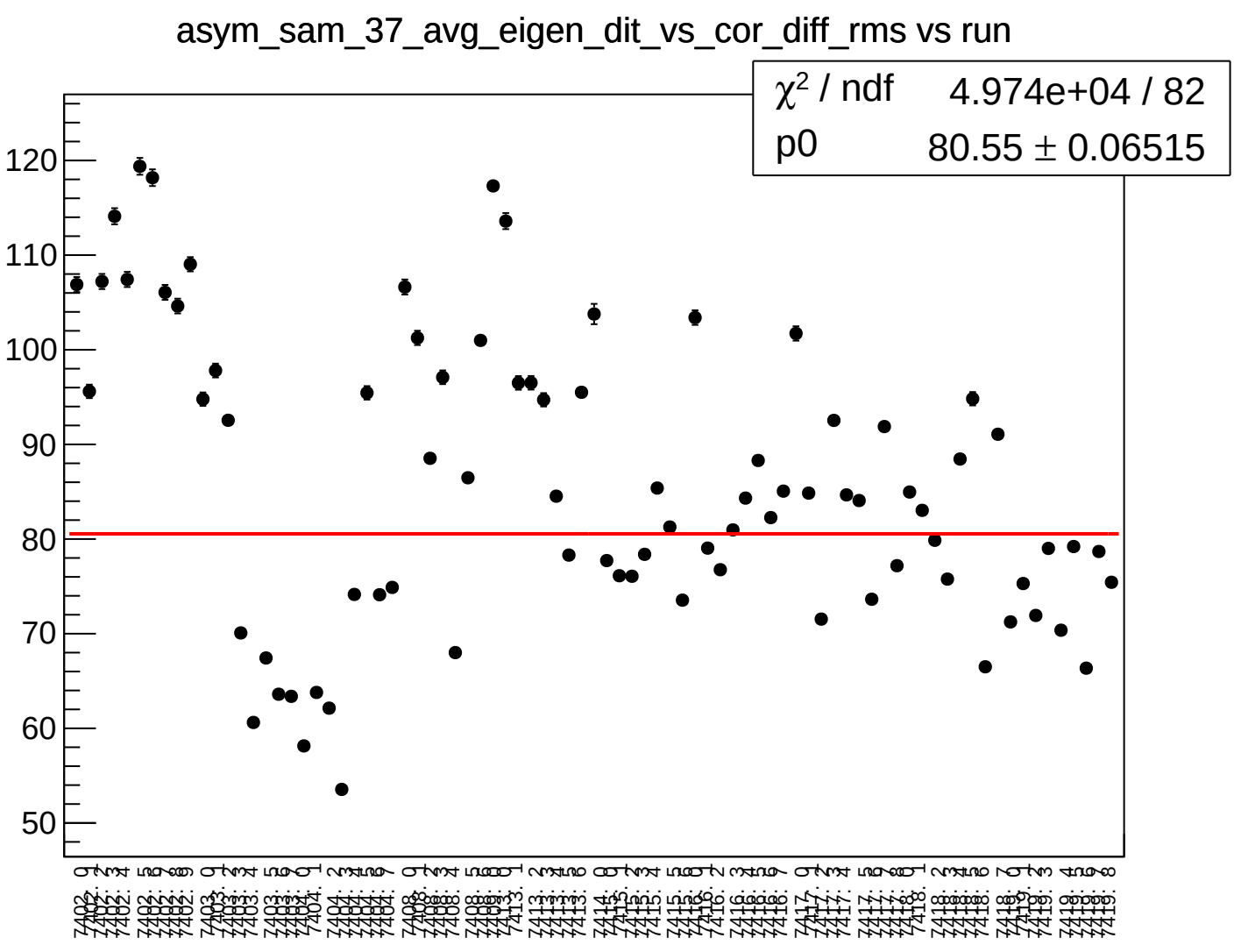

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.974e+04 / 82
p0 80.55 ± 0.06515
120
110
100
90
80
70
60
50

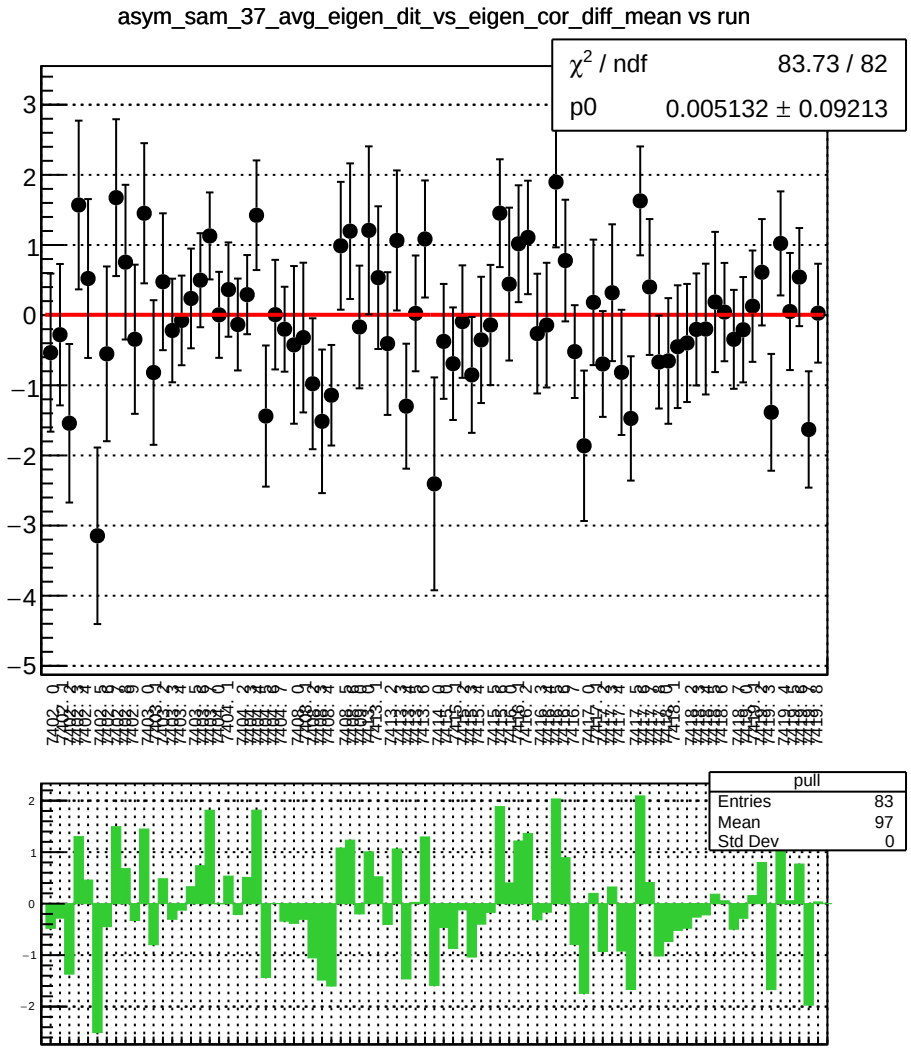

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.39 / 82
p0 1.38e−07 ± 2.176e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 83
Mean −2678
Std Dev 0
3
2
1
0
−1
−2

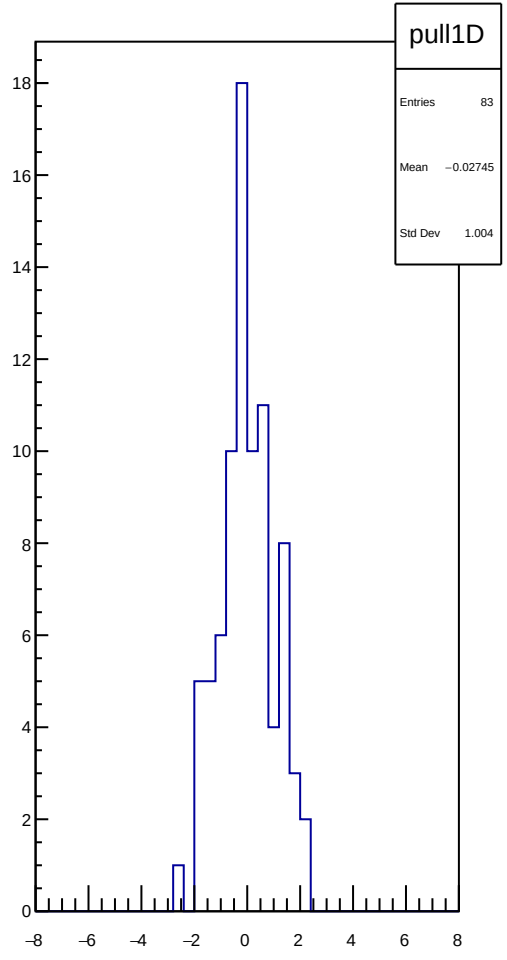

pull1D
Entries 83
Mean −0.001004
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

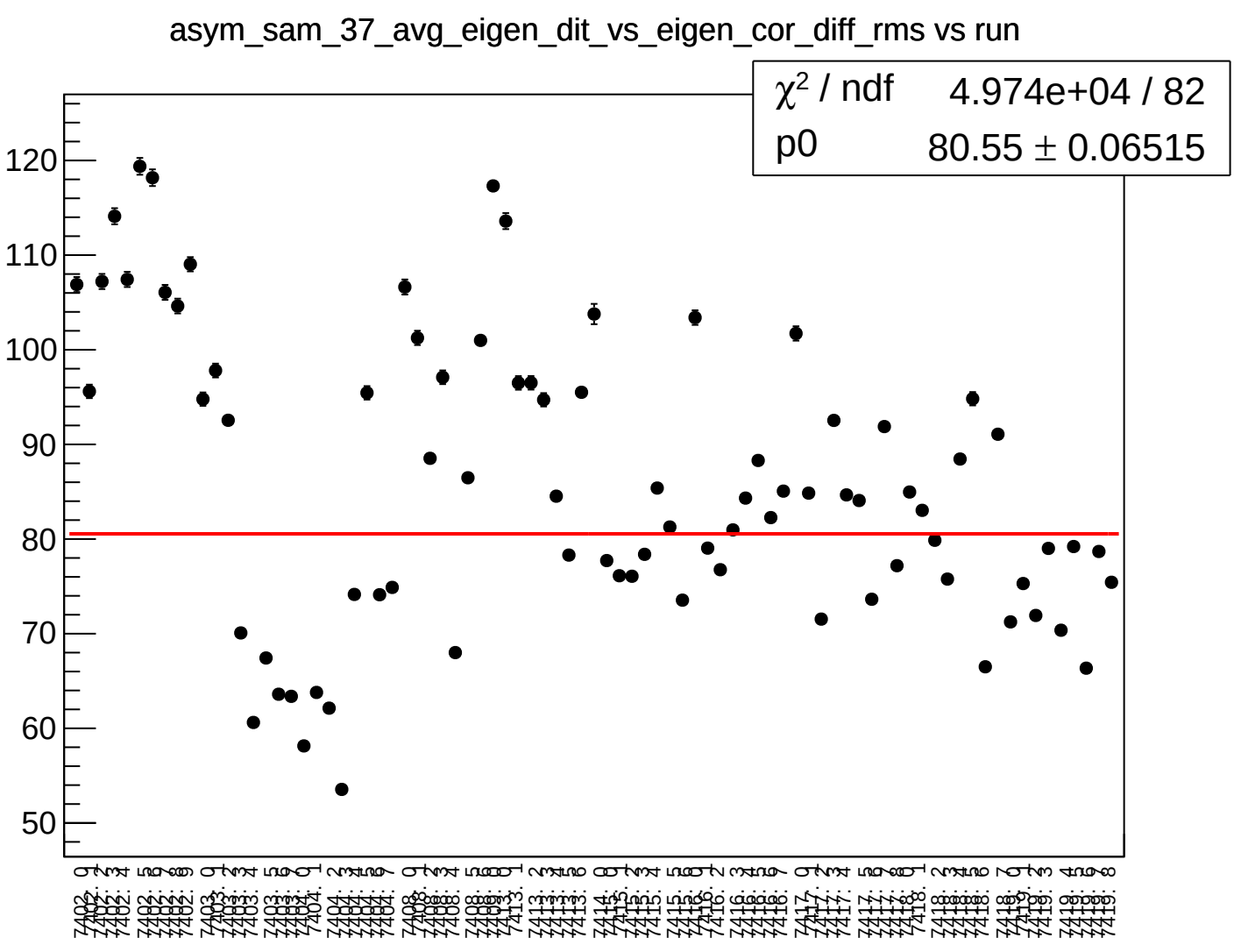

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7908 / 82
p0 0.001929 ± 1.539e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

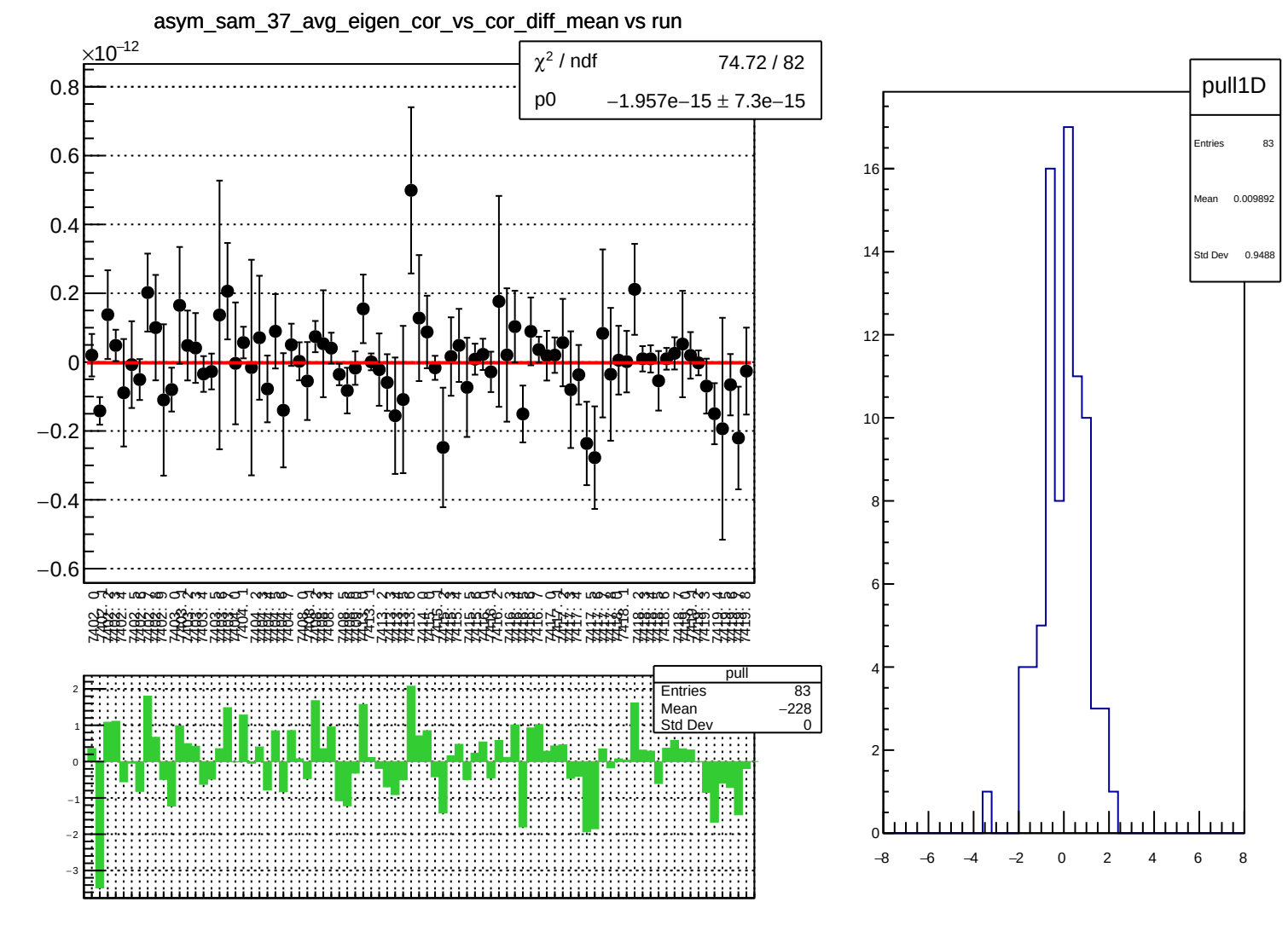

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.73 / 82
p0 0.005132 ± 0.09213
pull
Entries 83
Mean 97
Std Dev 0
pull1D
Entries 83
Mean −0.02745
Std Dev 1.004

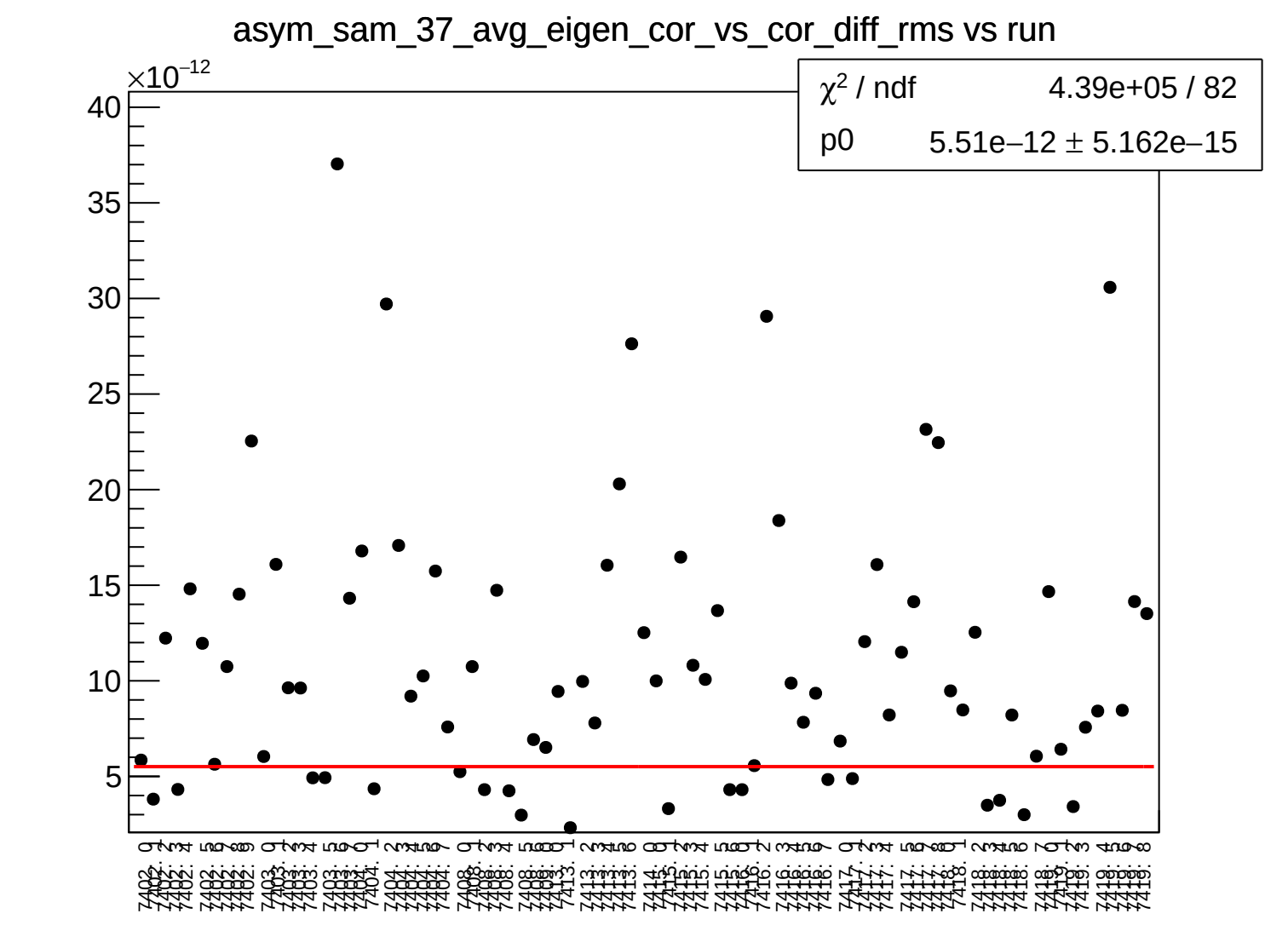

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.974e+04 / 82
p0 80.55 ± 0.06515
120
110
100
90
80
70
60
50

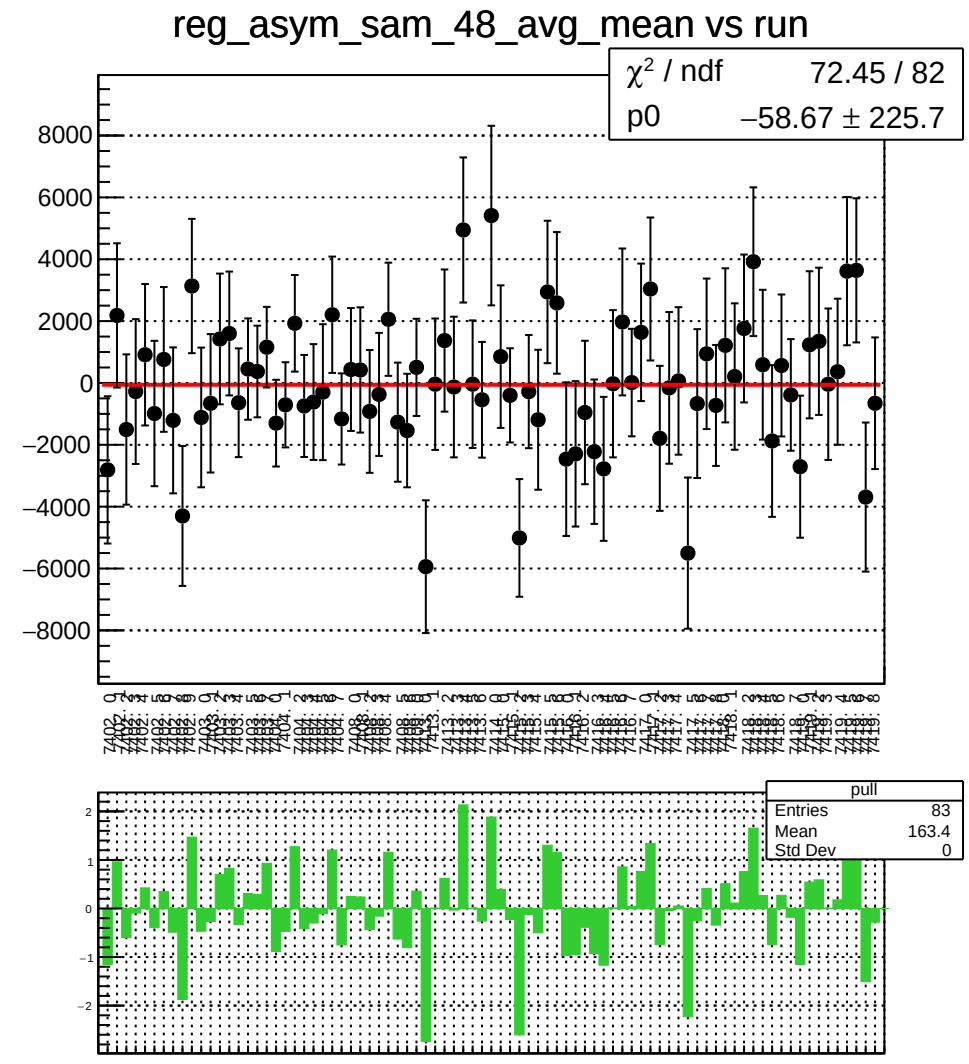

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.73 / 82
p0 0.005132 ± 0.09213
pull
Entries 83
Mean 97
Std Dev 0

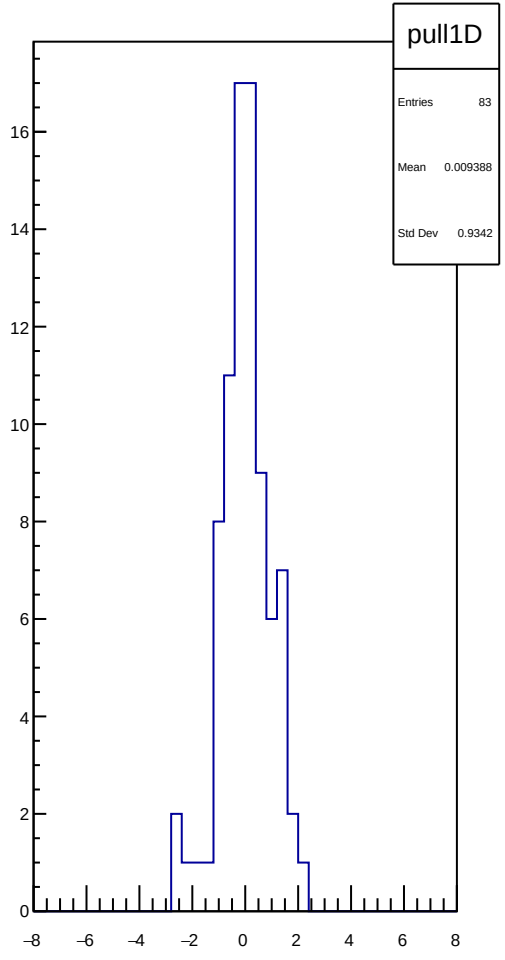

pull1D
Entries 83
Mean −0.02745
Std Dev 1.004

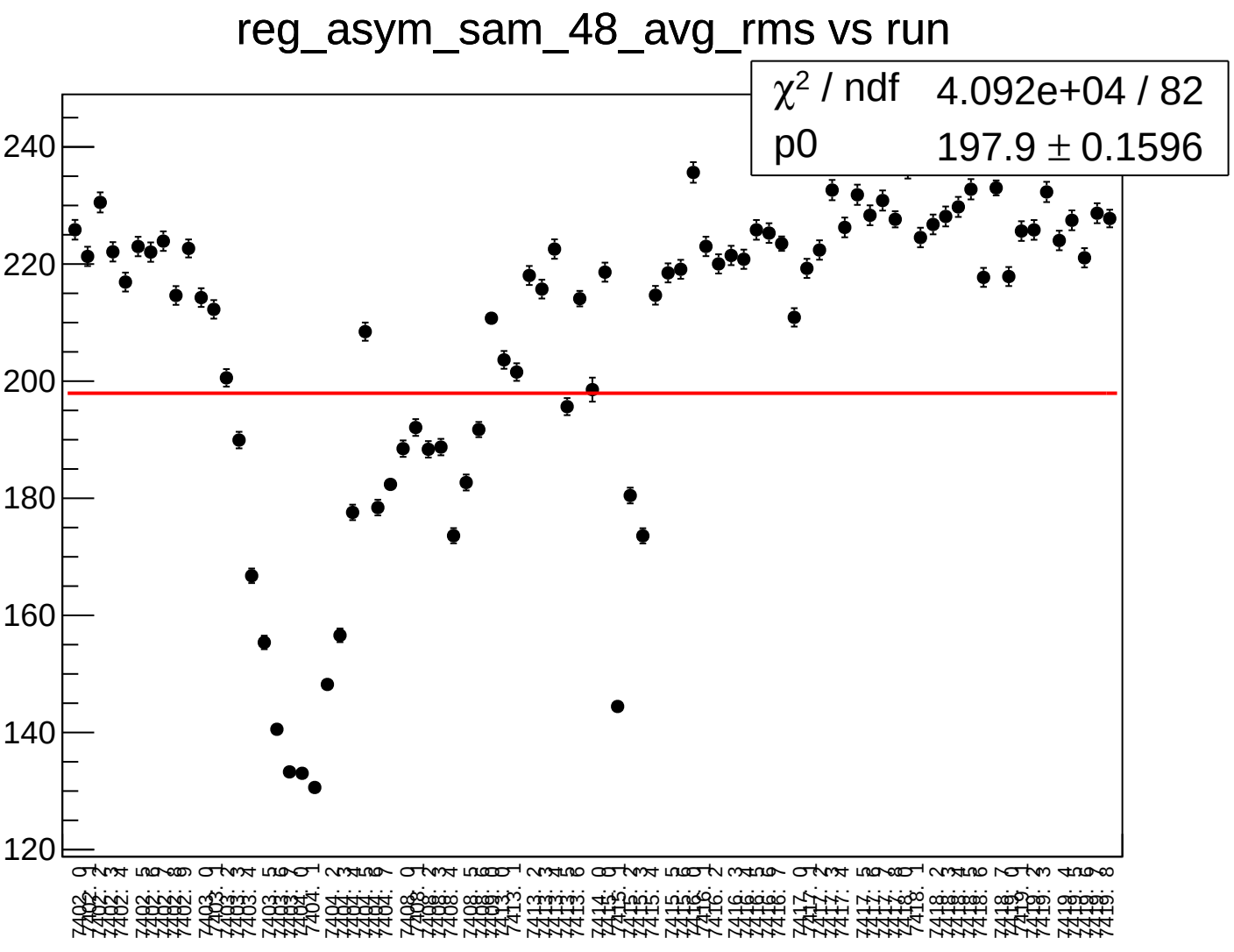

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.974e+04 / 82
p0 80.55 ± 0.06515
120
110
100
90
80
70
60
50

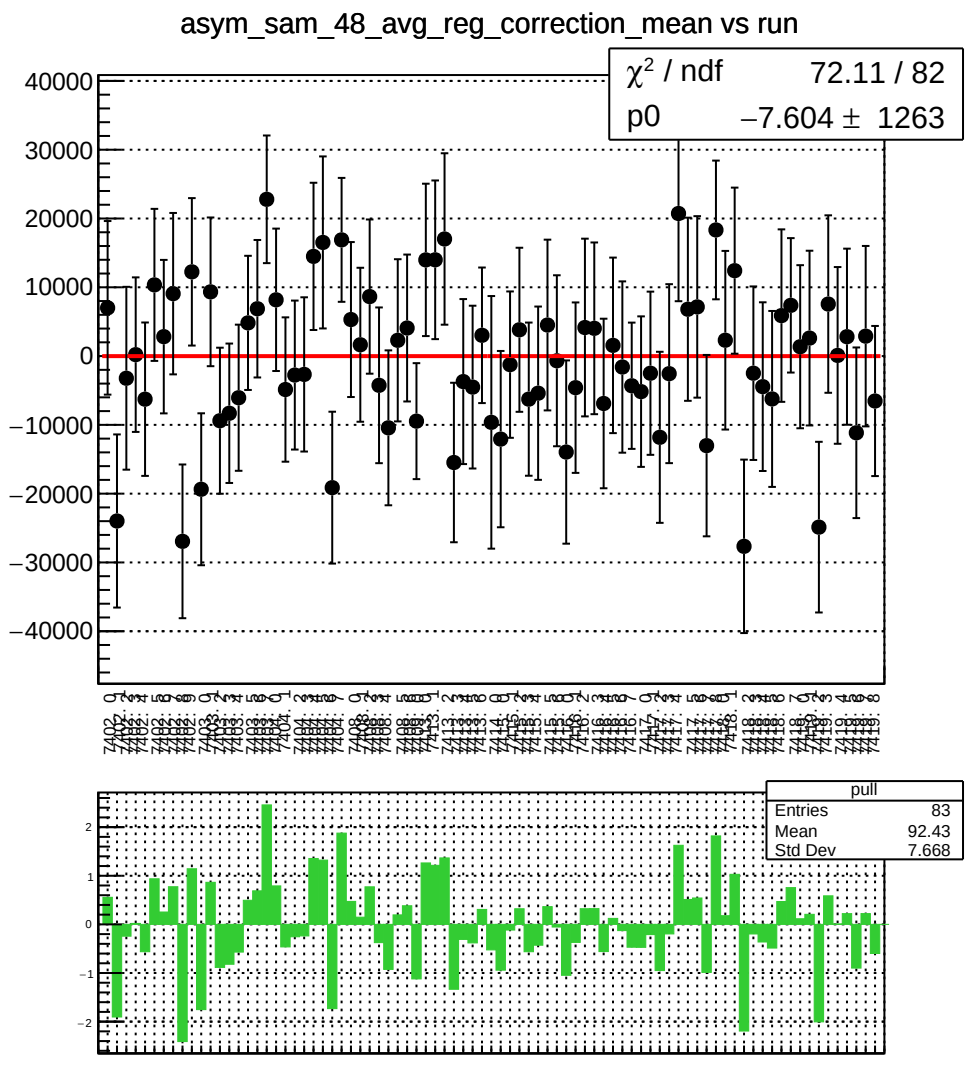

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.72 / 82
p0 −1.957e−15 ± 7.3e−15
pull
Entries 83
Mean −228
Std Dev 0
pull1D
Entries 83
Mean 0.009892
Std Dev 0.9488

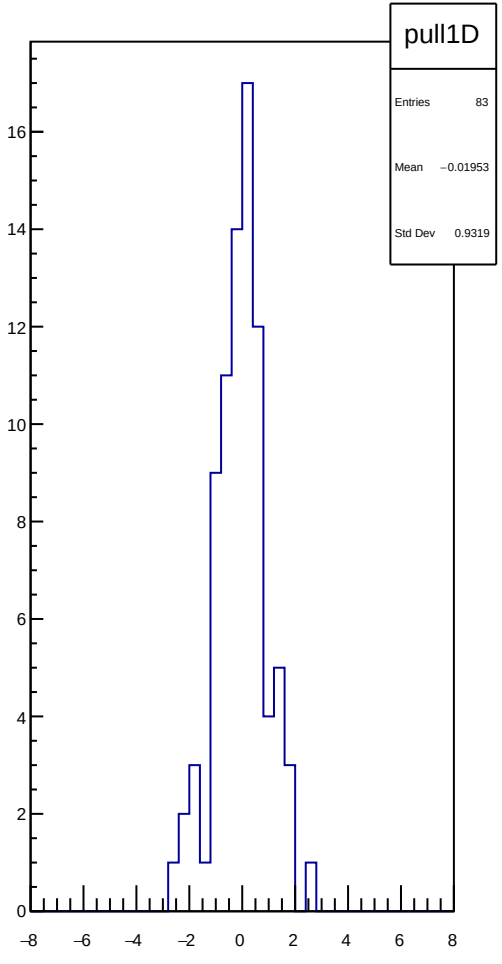

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
40
35
30
25
20
15
10
5
χ² / ndf 4.39e+05 / 82
p0 5.51e−12 ± 5.162e−15

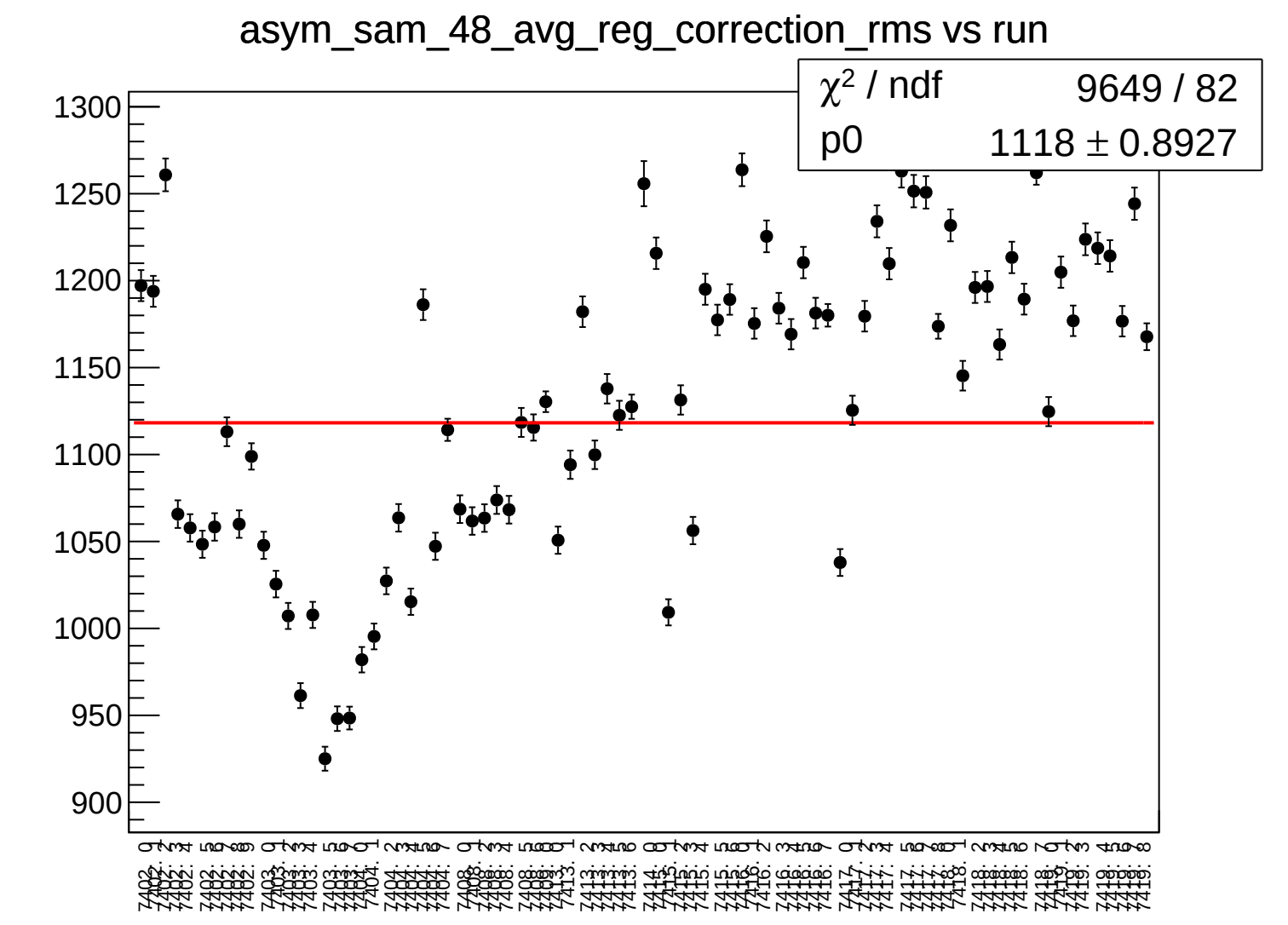

reg_asym_sam_48_avg_mean vs run
χ² / ndf 72.45 / 82
p0 −58.67 ± 225.7
pull
Entries 83
Mean 163.4
Std Dev 0

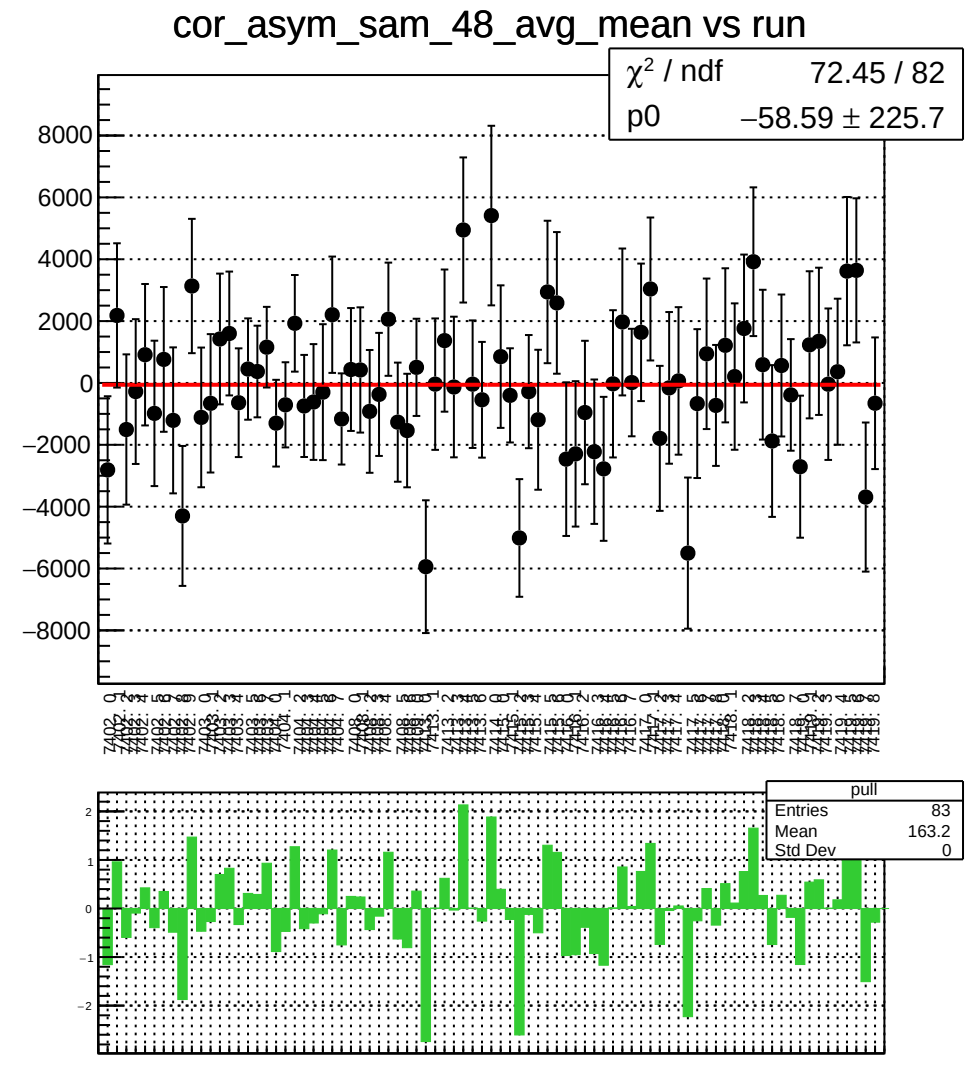

pull1D
Entries 83
Mean 0.009388
Std Dev 0.9342

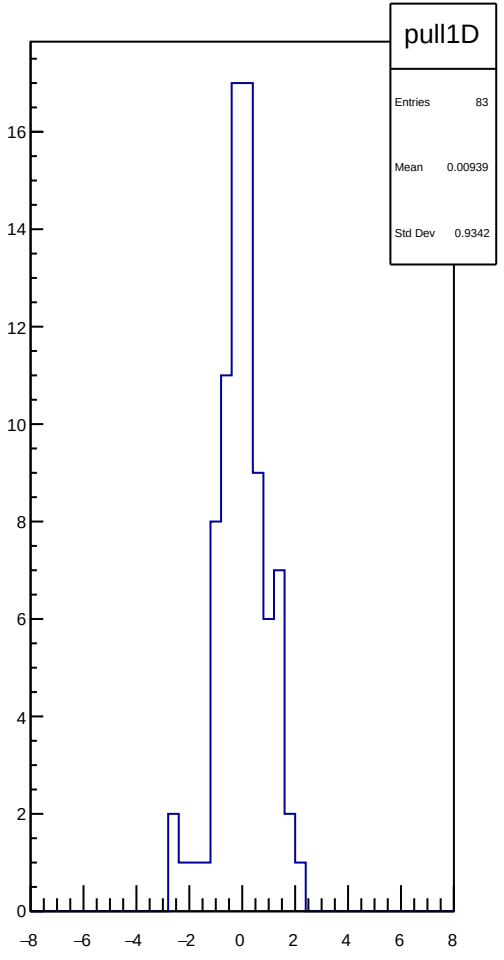

reg_asym_sam_48_avg_rms vs run
χ² / ndf 4.092e+04 / 82
p0 197.9 ± 0.1596
240
220
200
180
160
140
120

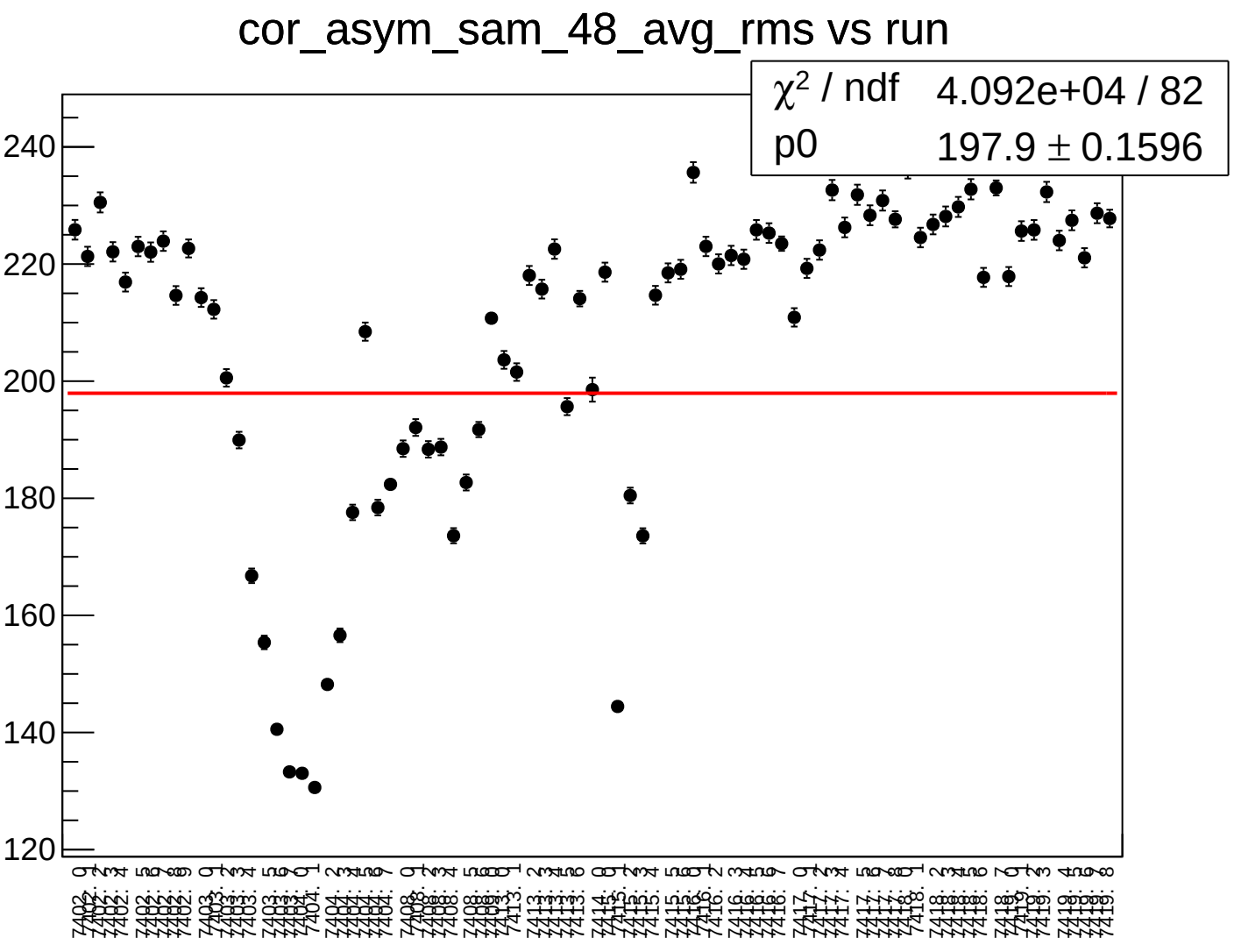

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 72.11 / 82
p0 −7.604 ± 1263
pull
Entries 83
Mean 92.43
Std Dev 7.668

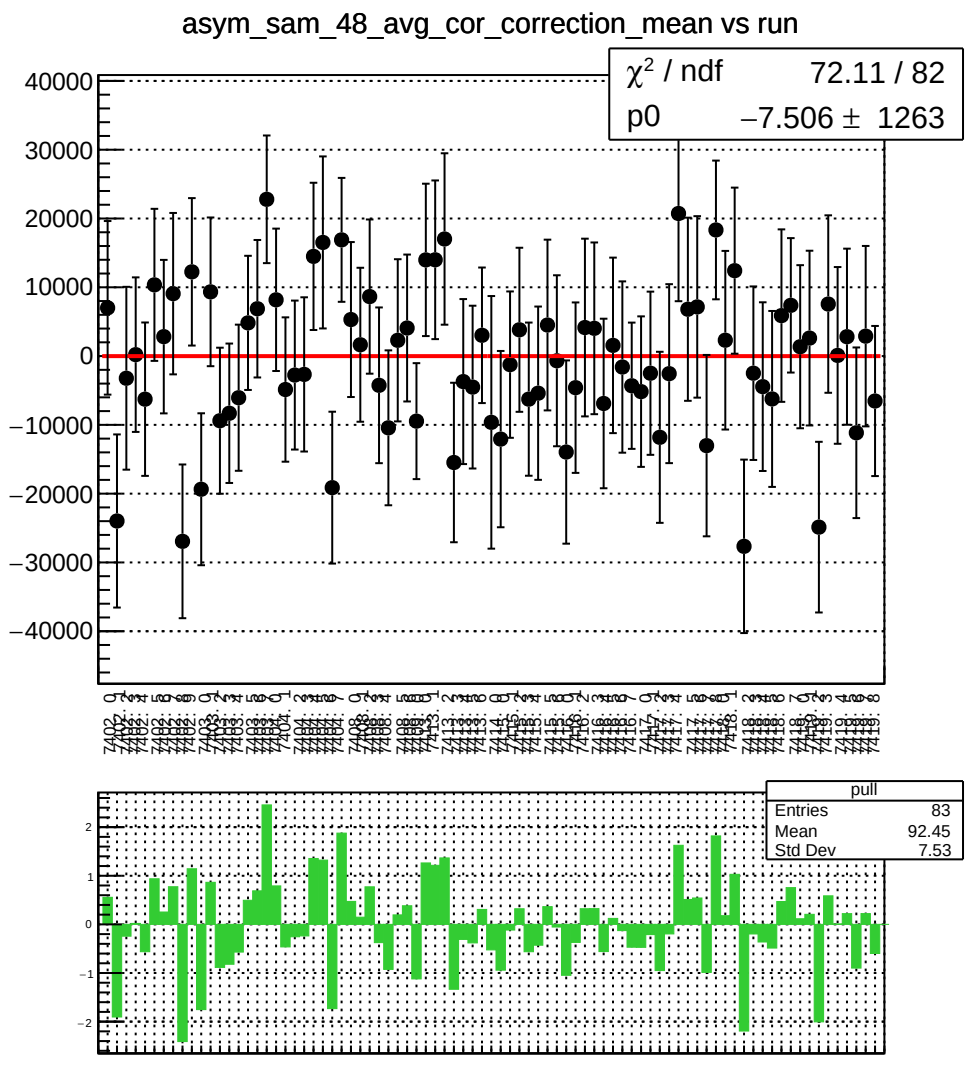

pull1D
Entries 83
Mean −0.01953
Std Dev 0.9319

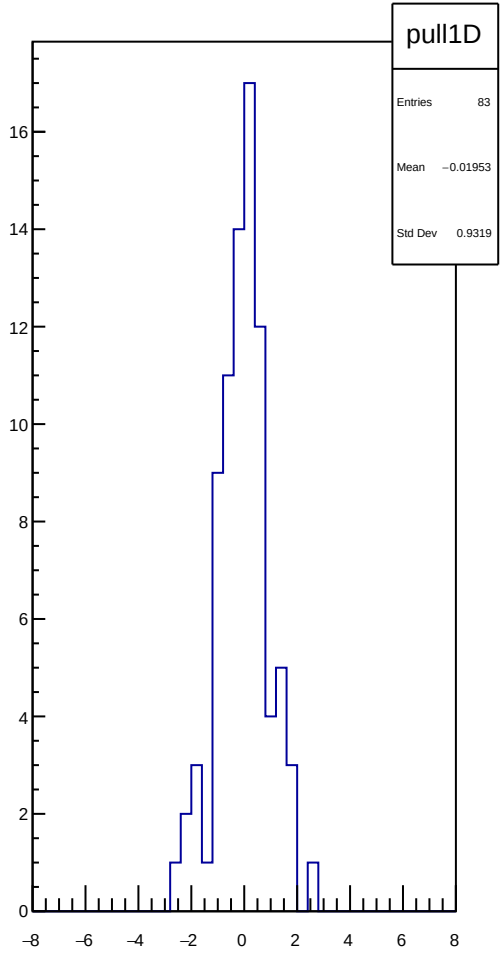

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 9649 / 82
p0 1118 ± 0.8927
1300
1250
1200
1150
1100
1050
1000
950
900

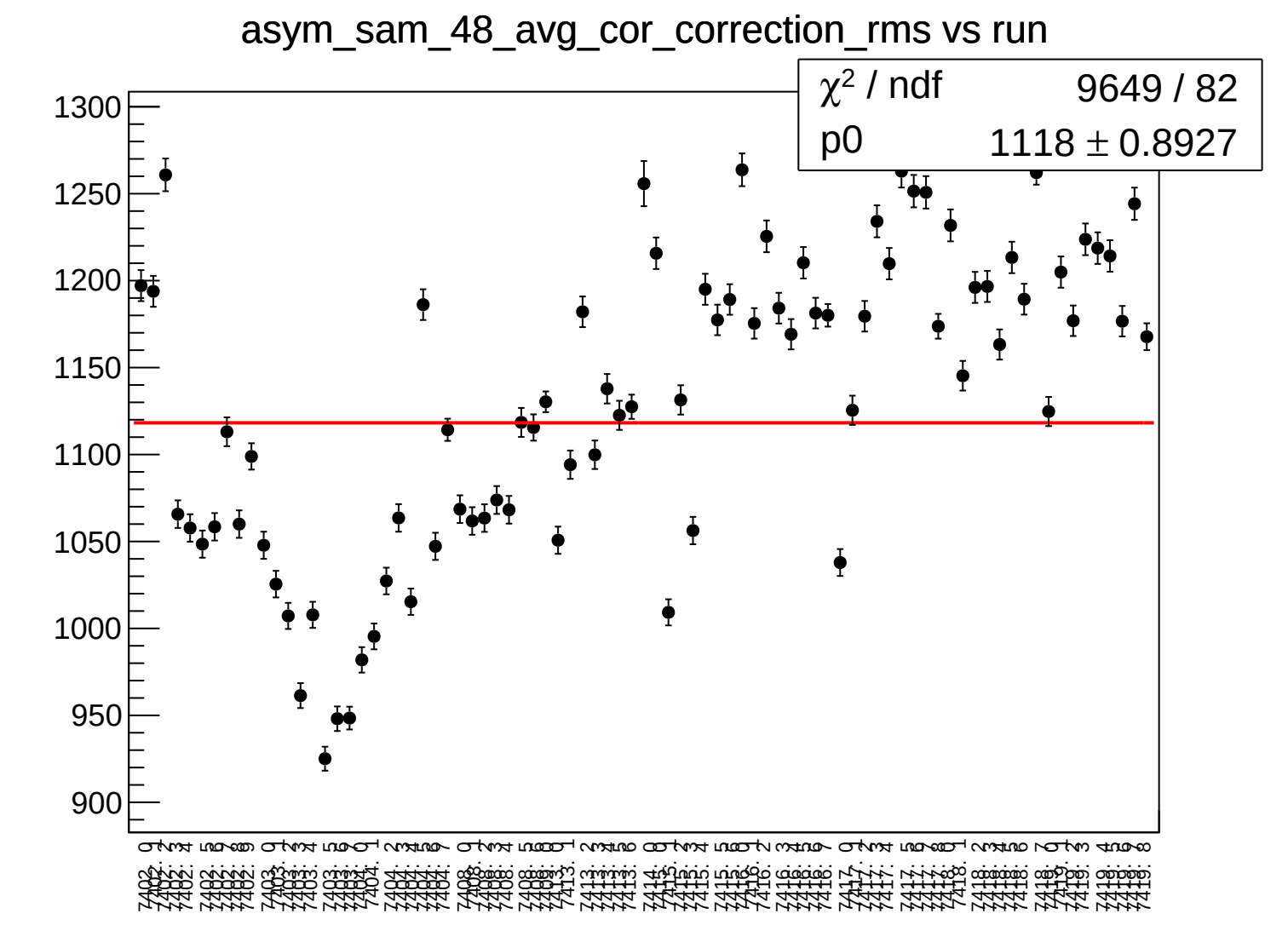

cor_asym_sam_48_avg_mean vs run
χ² / ndf 72.45 / 82
p0 −58.59 ± 225.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 163.2
Std Dev 0
2
1
0
−1
−2

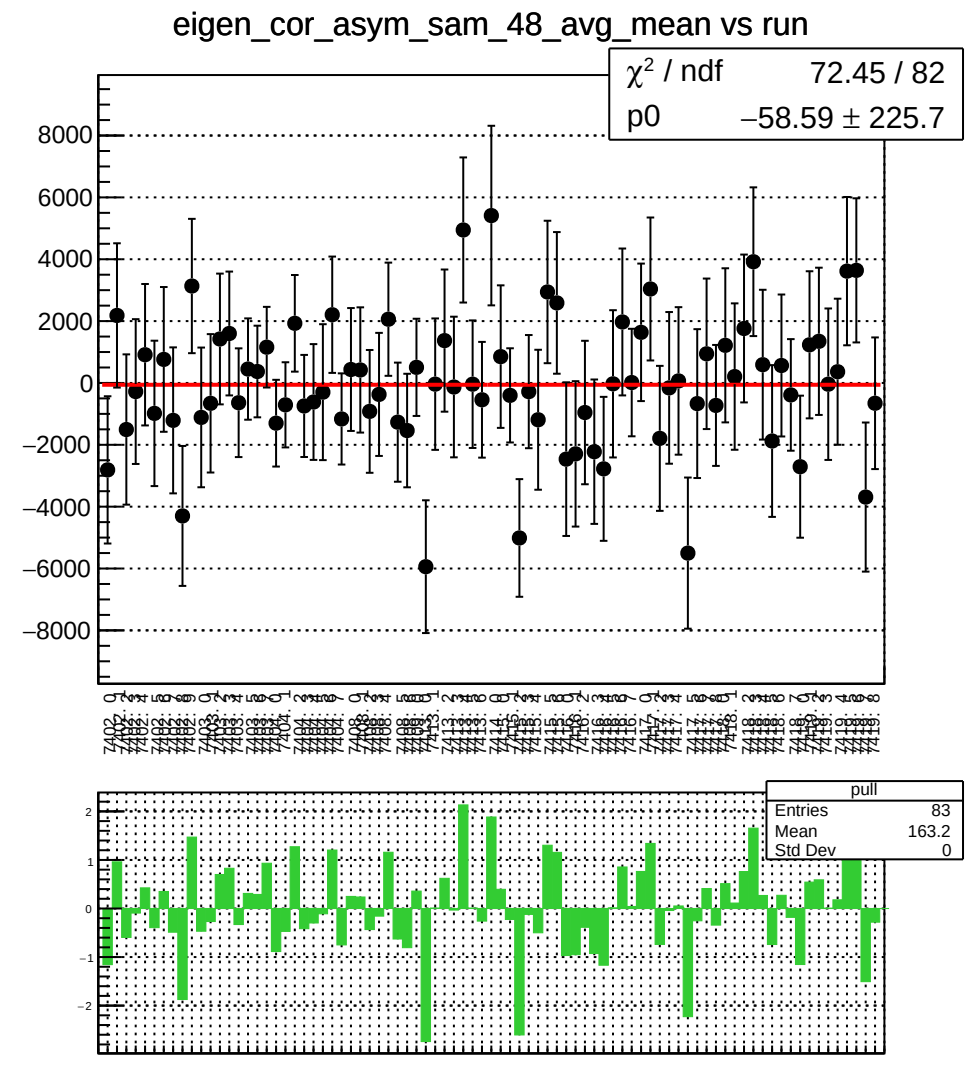

pull1D
Entries 83
Mean 0.00939
Std Dev 0.9342
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

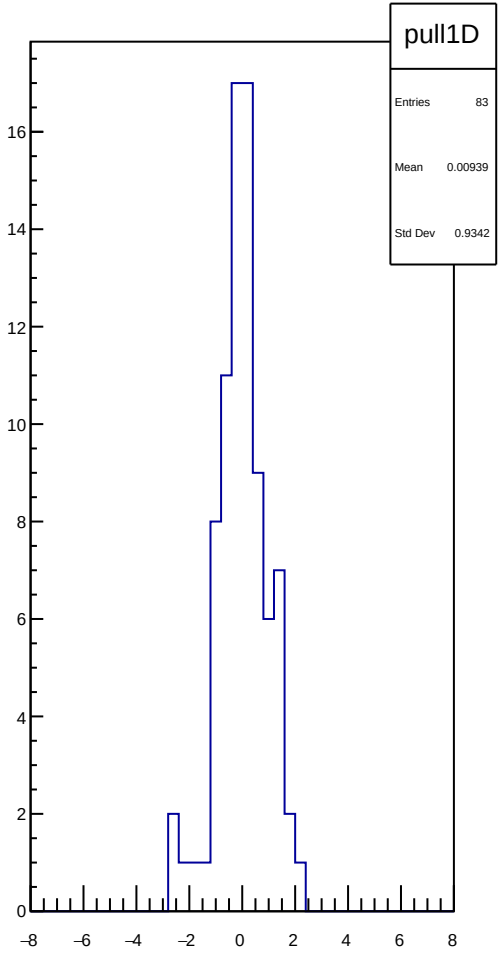

cor_asym_sam_48_avg_rms vs run
χ^2 / ndf 4.092e+04 / 82
p0 197.9 ± 0.1596
240
220
200
180
160
140
120

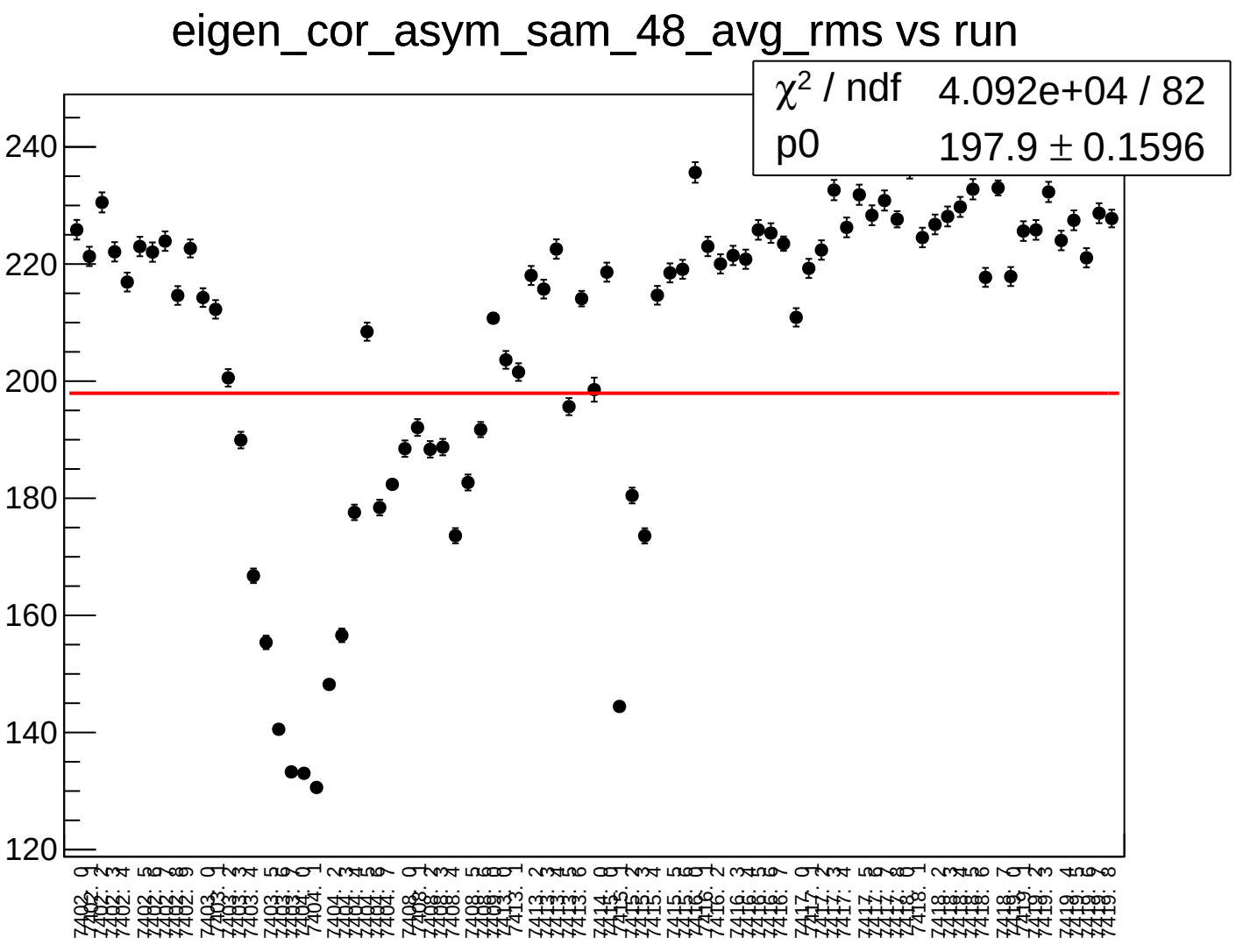

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 72.11 / 82
p0 −7.506 ± 1263
pull
Entries 83
Mean 92.45
Std Dev 7.53

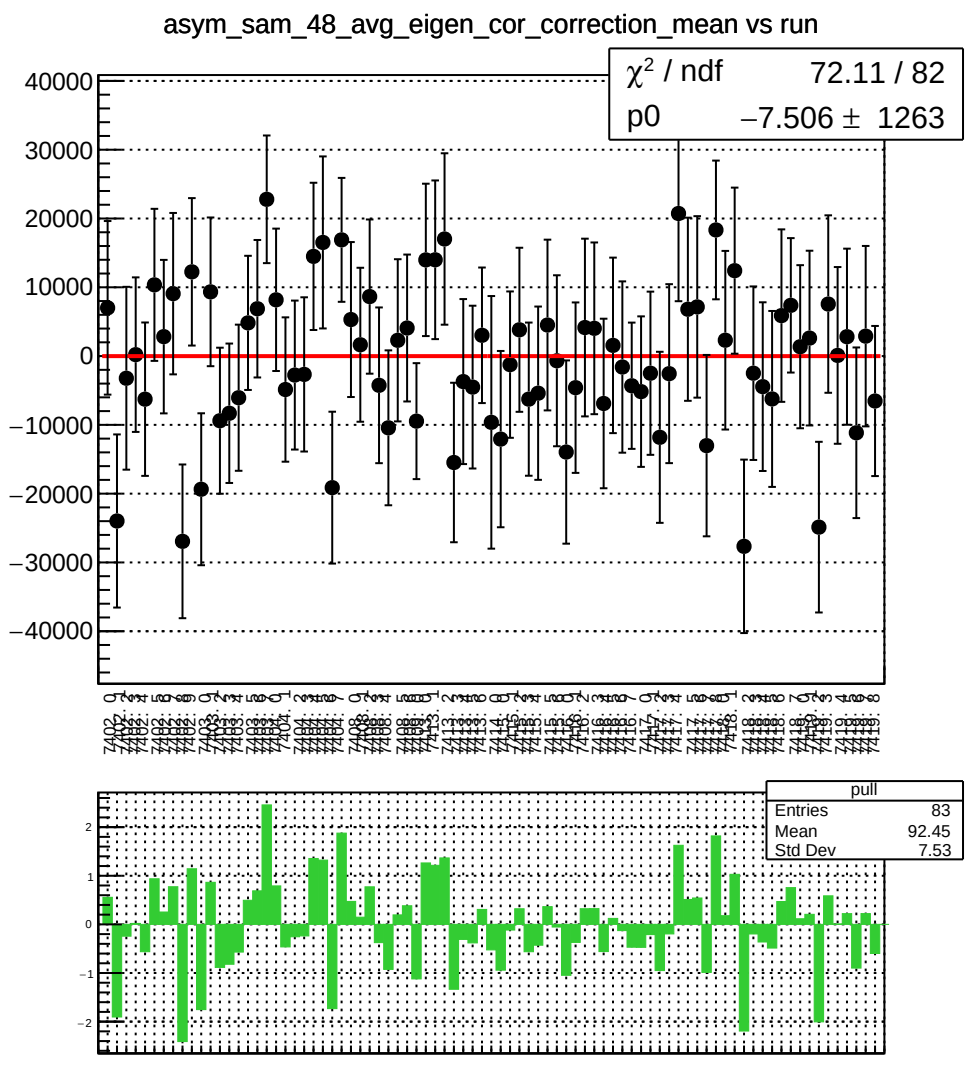

pull1D
Entries 83
Mean −0.01953
Std Dev 0.9319

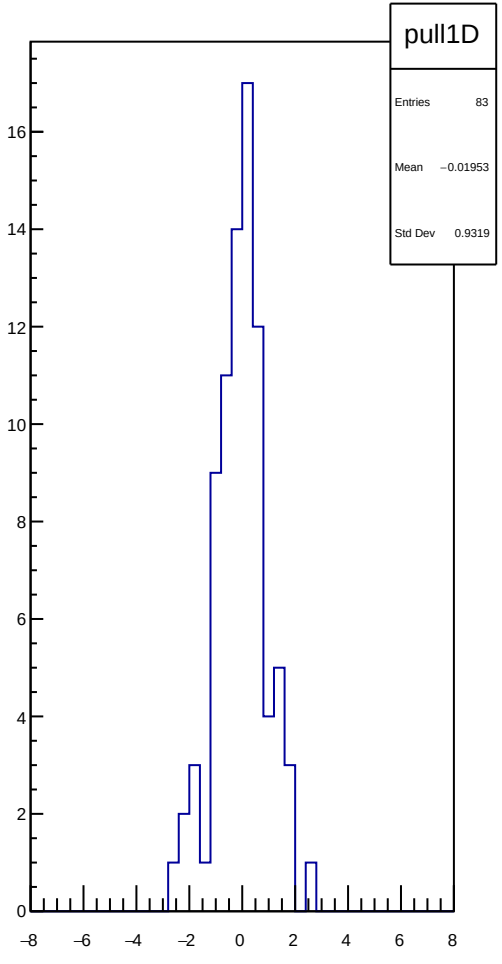

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 9649 / 82
p0 1118 ± 0.8927
1300
1250
1200
1150
1100
1050
1000
950
900

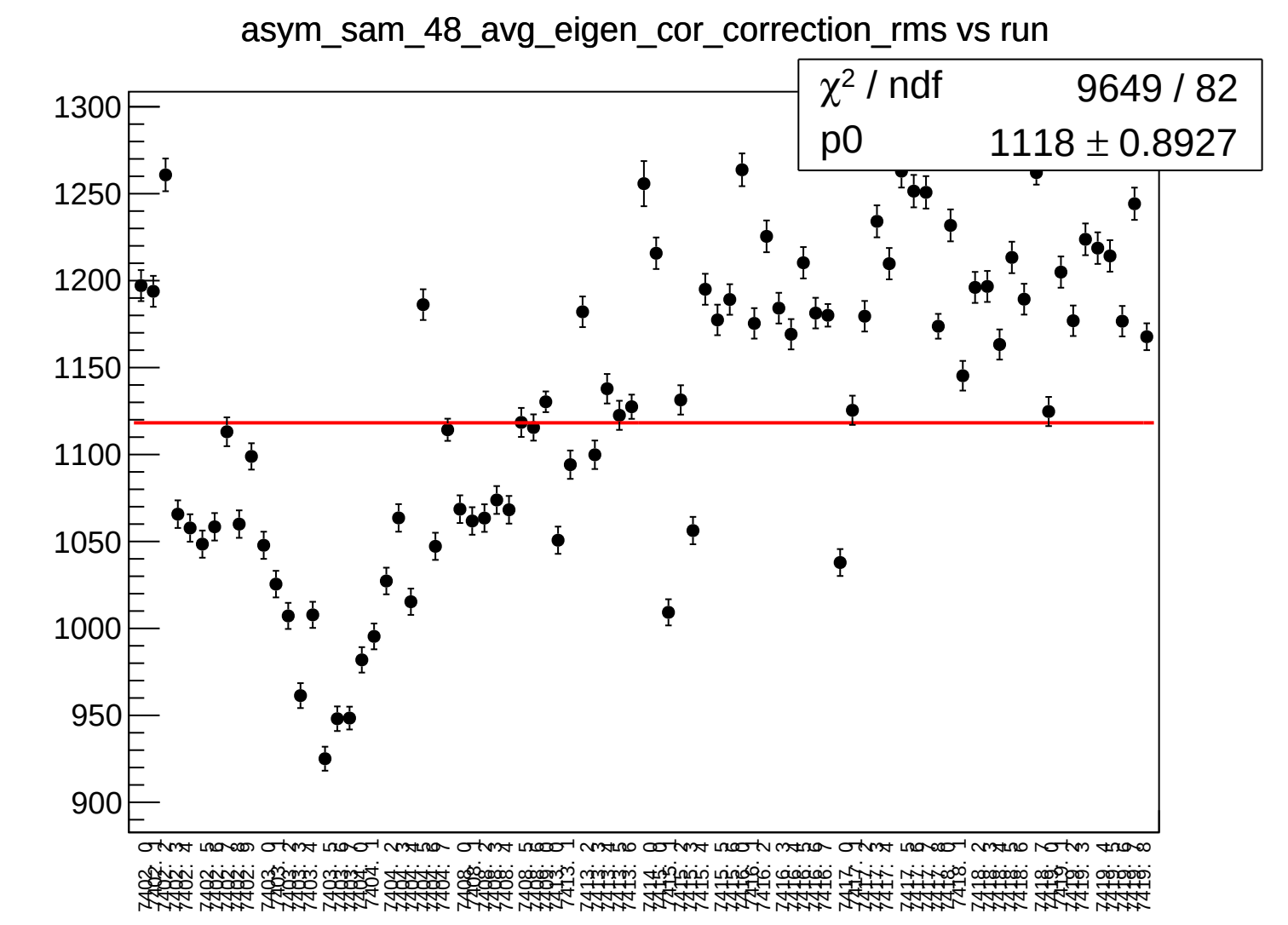

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 72.45 / 82
p0 −58.59 ± 225.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 163.2
Std Dev 0
2
1
0
−1
−2

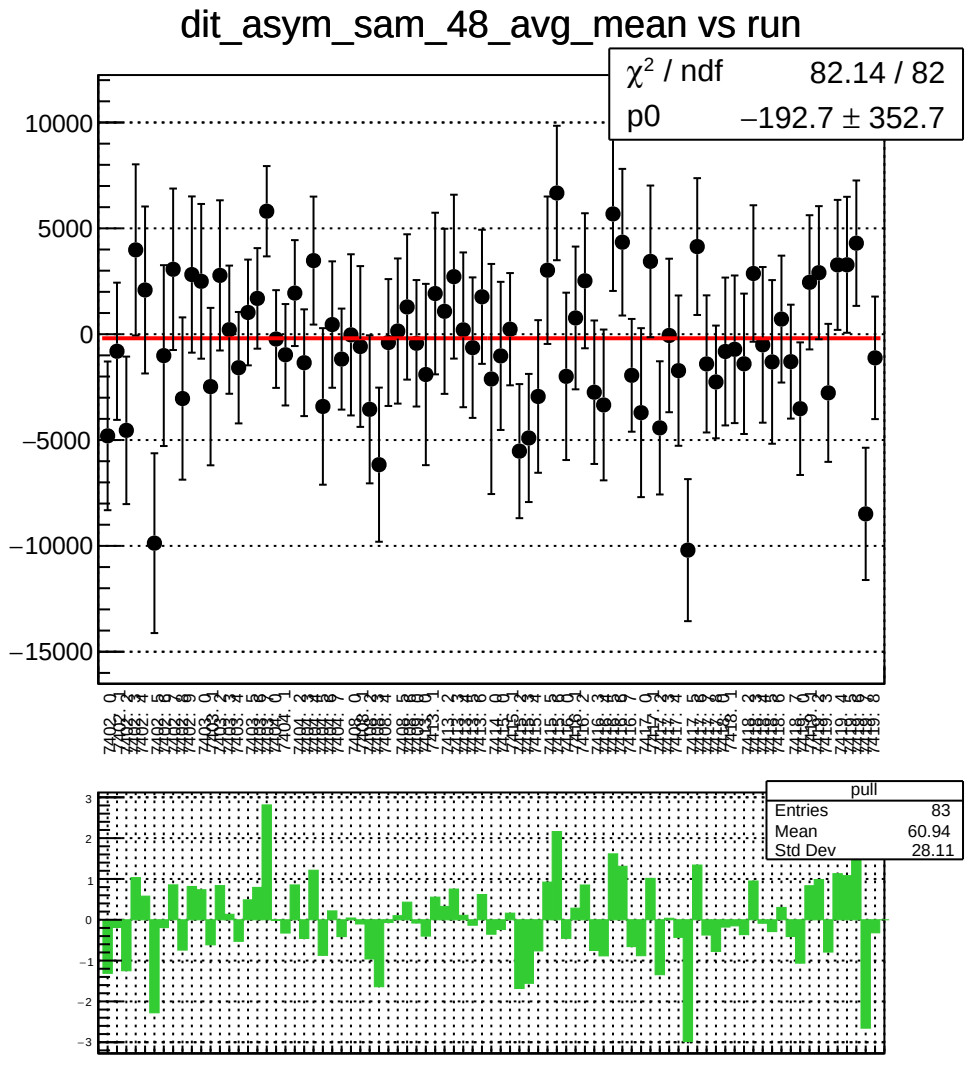

pull1D
Entries 83
Mean 0.00939
Std Dev 0.9342
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

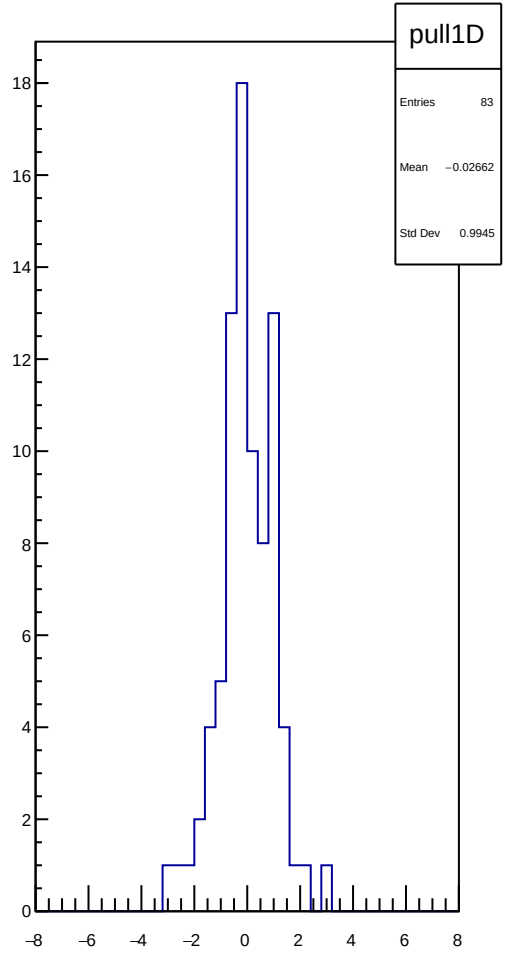

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 4.092e+04 / 82
p0 197.9 ± 0.1596
240
220
200
180
160
140
120

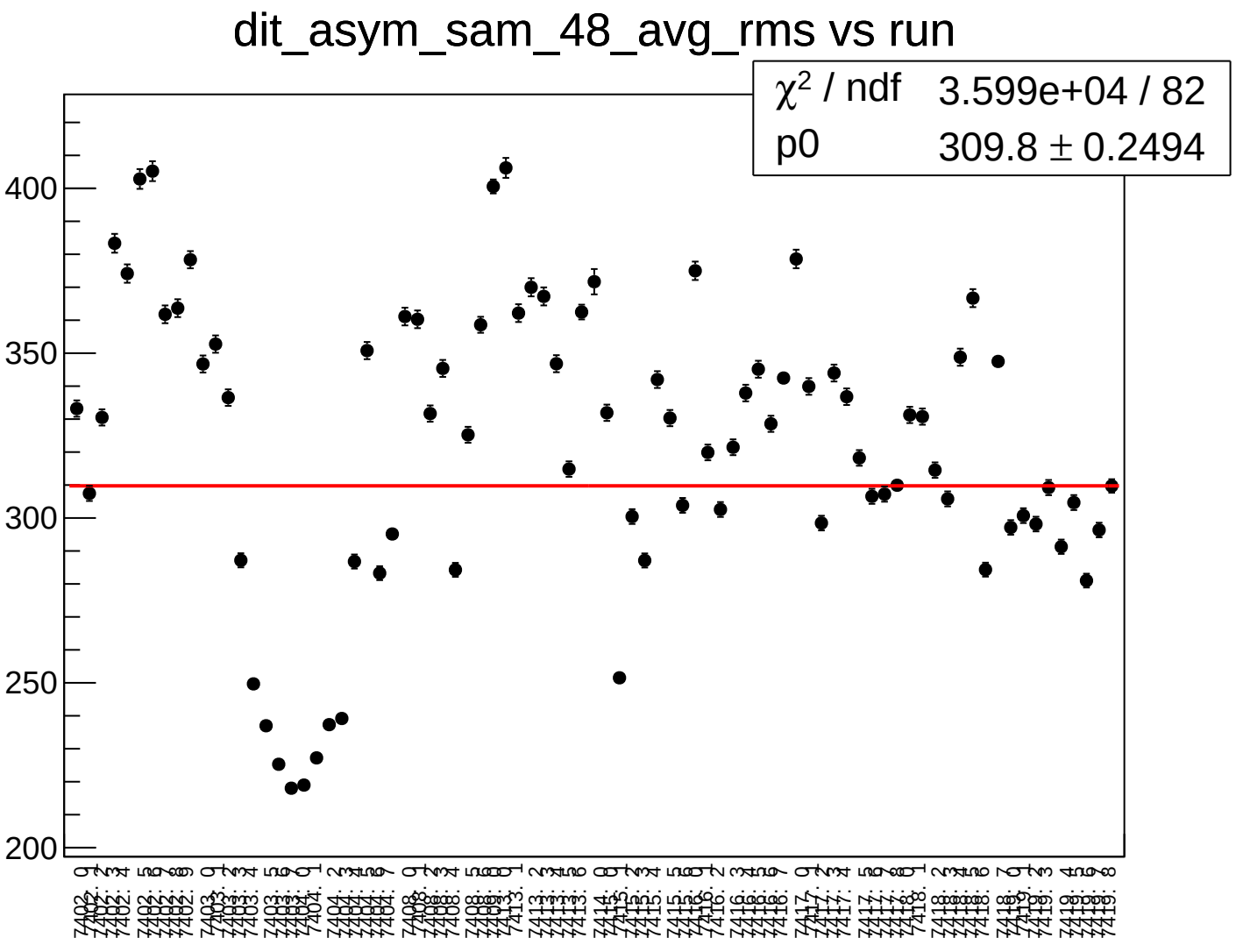

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.11 / 82
p0 −7.506 ± 1263
pull
Entries 83
Mean 92.45
Std Dev 7.53

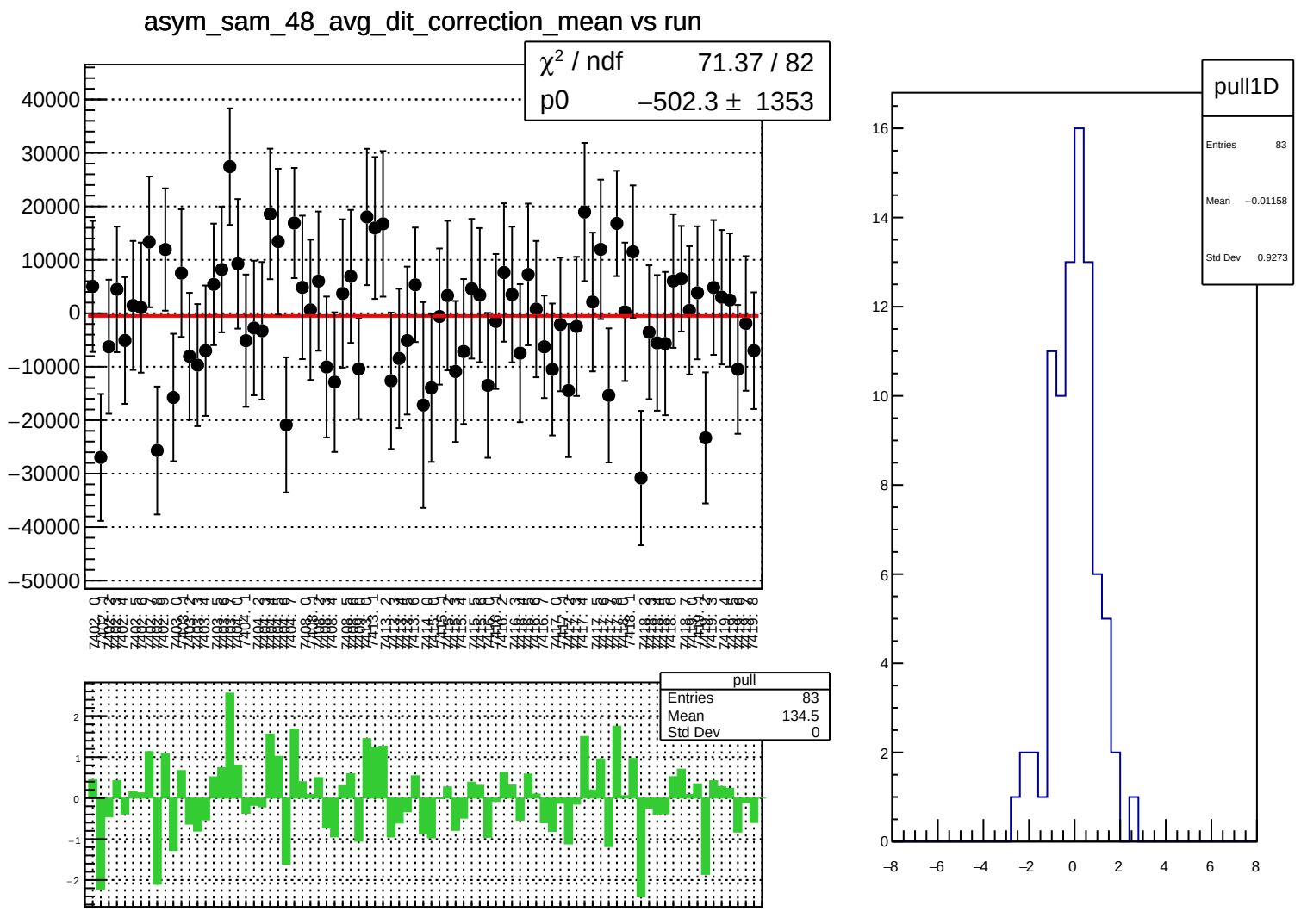

pull1D
Entries 83
Mean −0.01953
Std Dev 0.9319

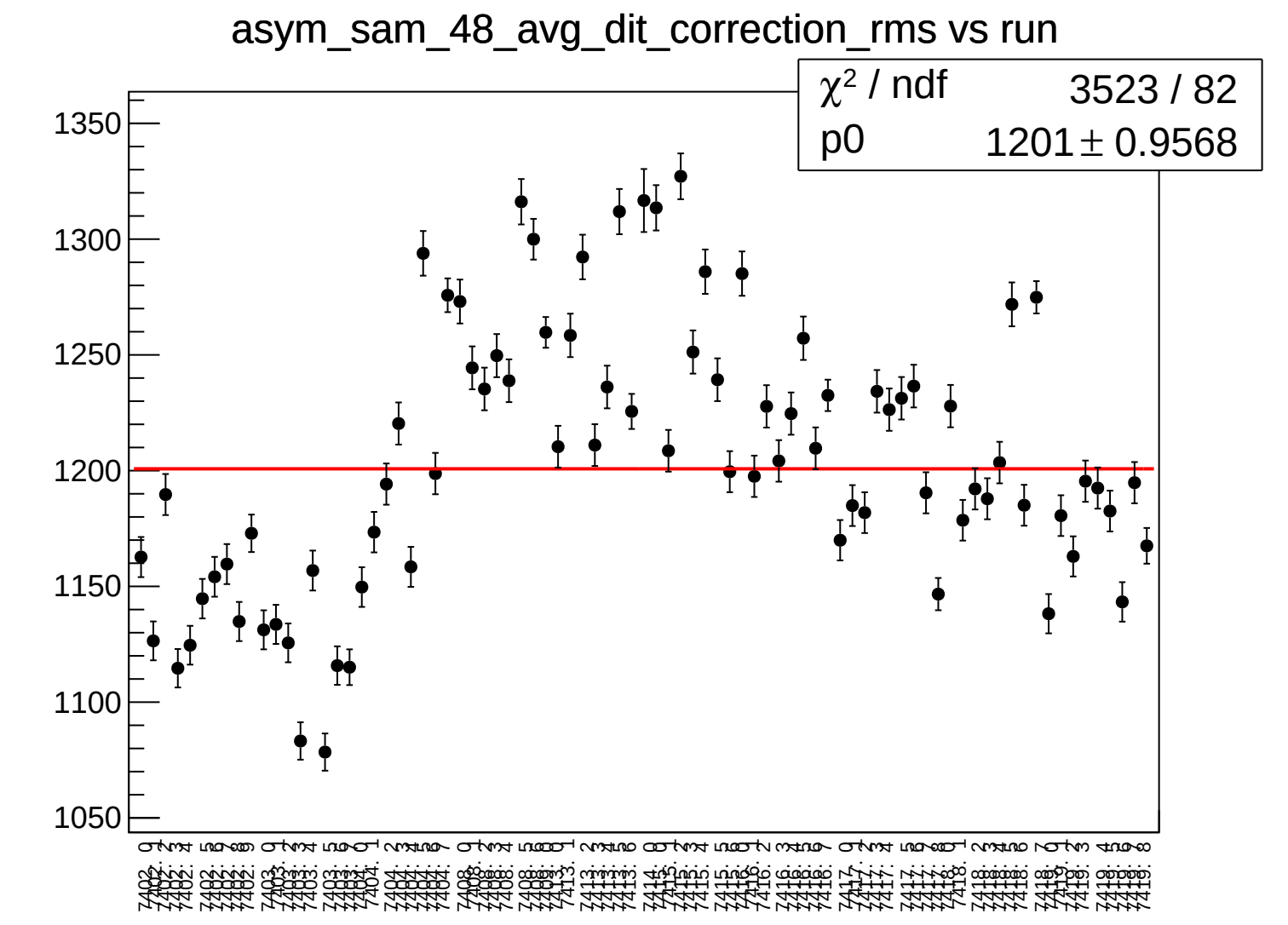

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 9649 / 82
p0 1118 ± 0.8927
1300
1250
1200
1150
1100
1050
1000
950
900

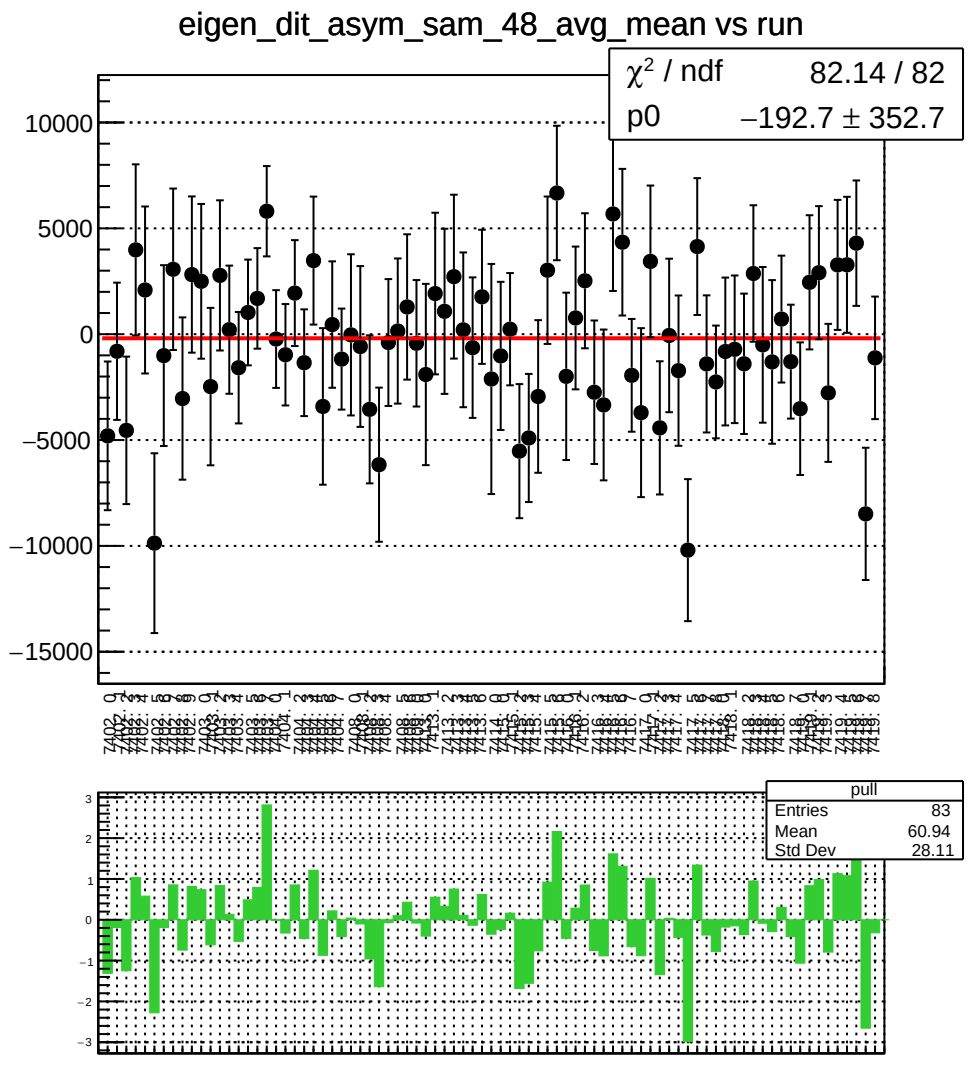

dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.14 / 82
p0 −192.7 ± 352.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 60.94
Std Dev 28.11
3
2
1
0
−1
−2
−3

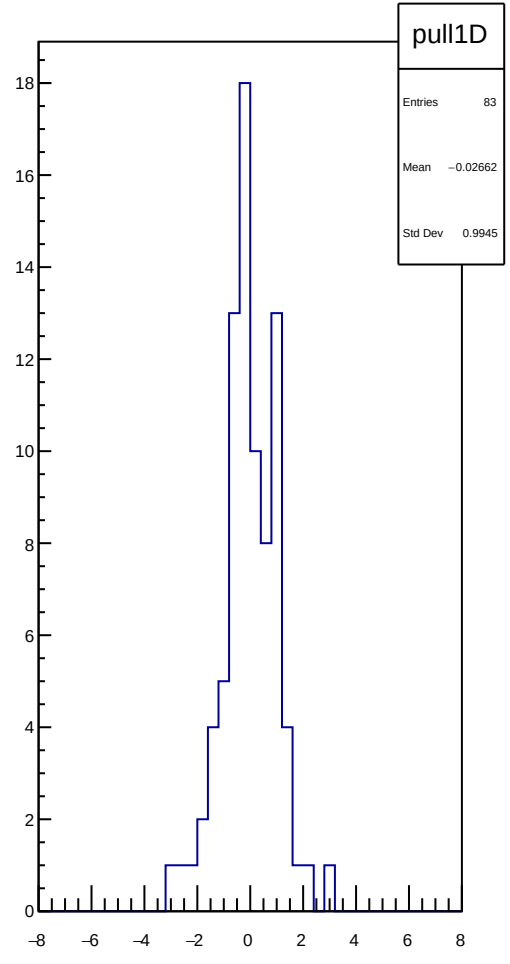

pull1D
Entries 83
Mean −0.02662
Std Dev 0.9945
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

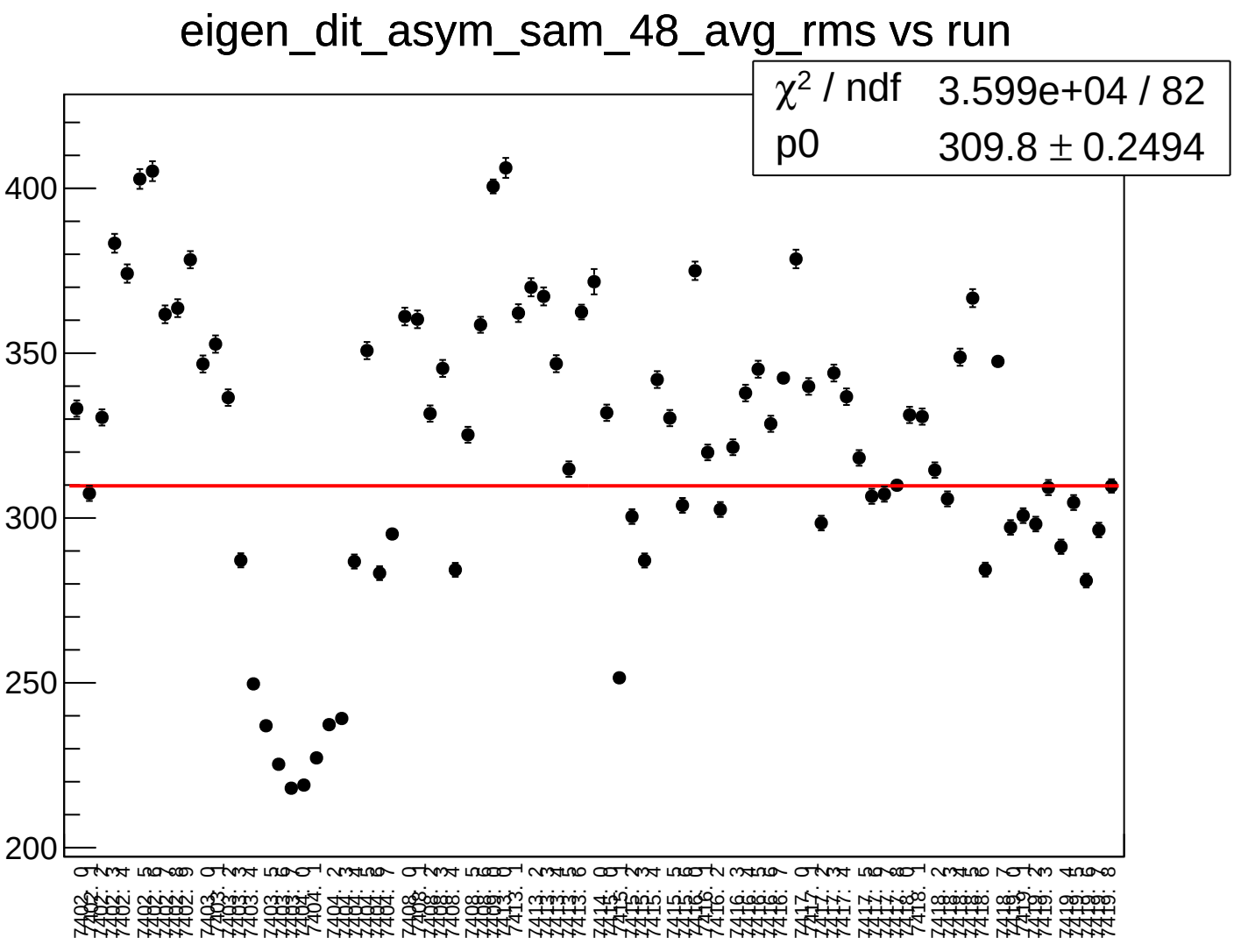

dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.599e+04 / 82
p0 309.8 ± 0.2494
400
350
300
250
200

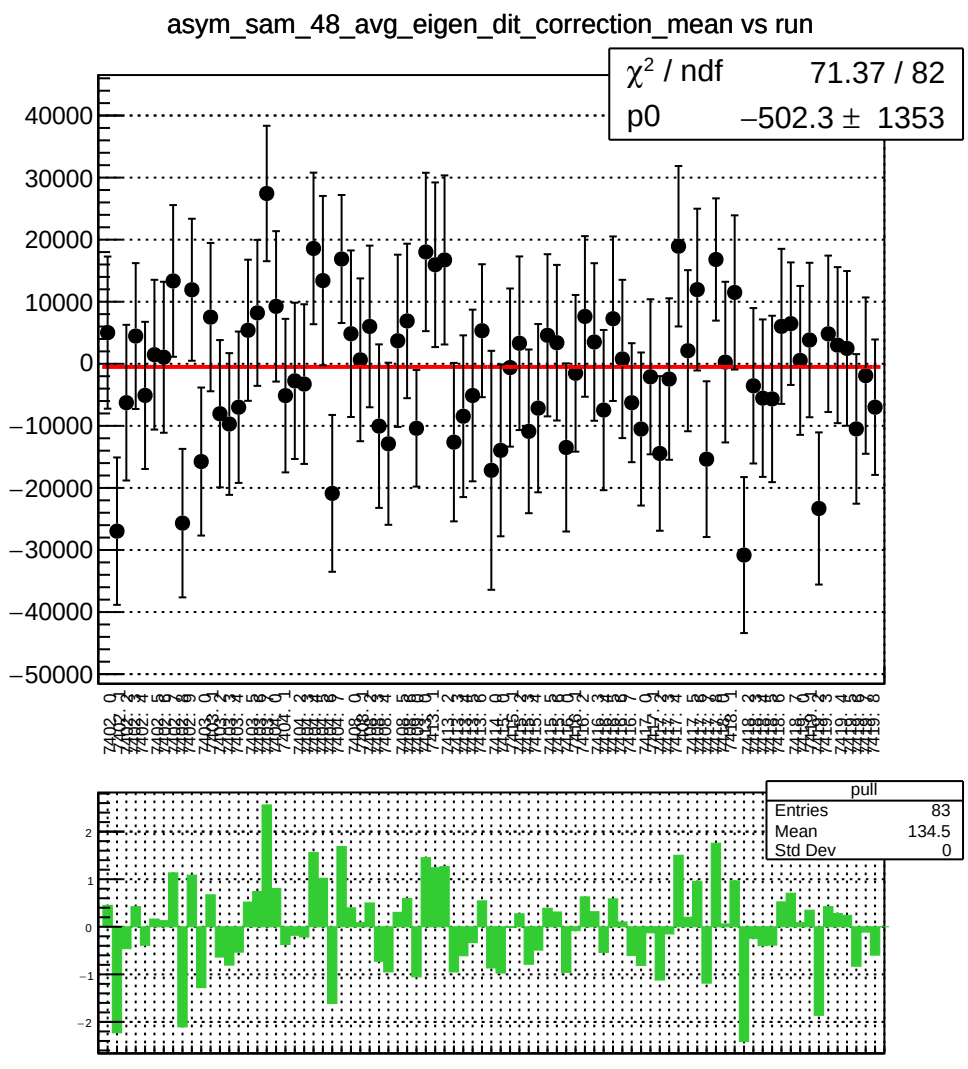

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 71.37 / 82
p0 −502.3 ± 1353
pull
Entries 83
Mean 134.5
Std Dev 0
pull1D
Entries 83
Mean −0.01158
Std Dev 0.9273

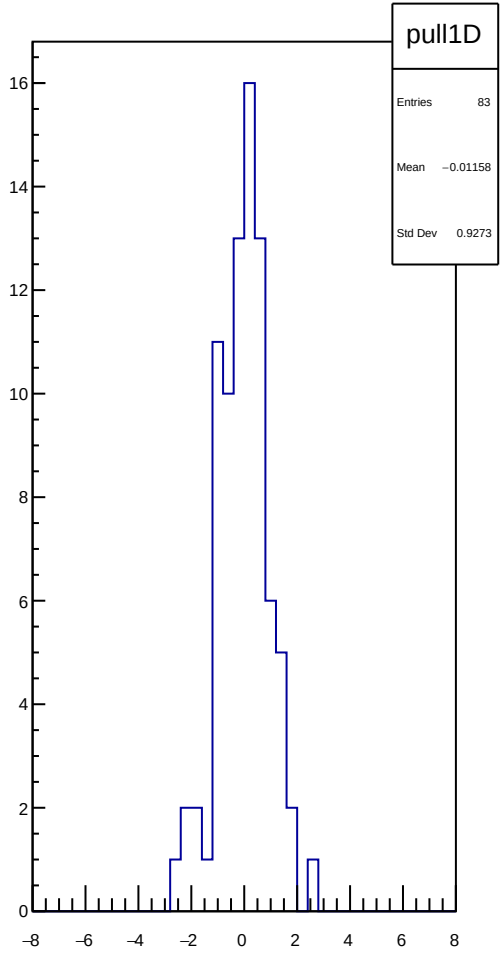

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 3523 / 82
p0 1201 ± 0.9568
1350
1300
1250
1200
1150
1100
1050

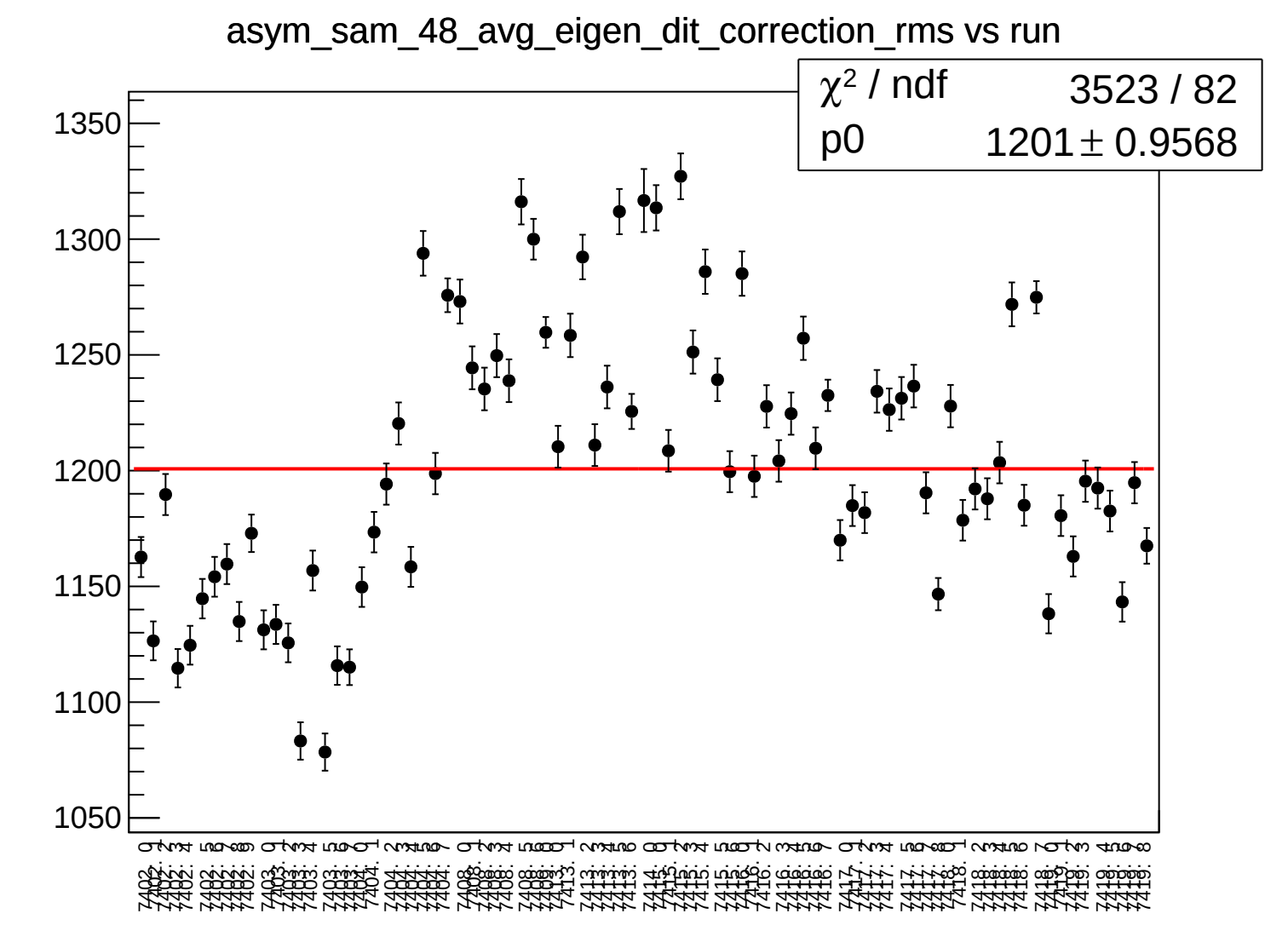

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.14 / 82
p0 −192.7 ± 352.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 60.94
Std Dev 28.11
3
2
1
0
−1
−2
−3

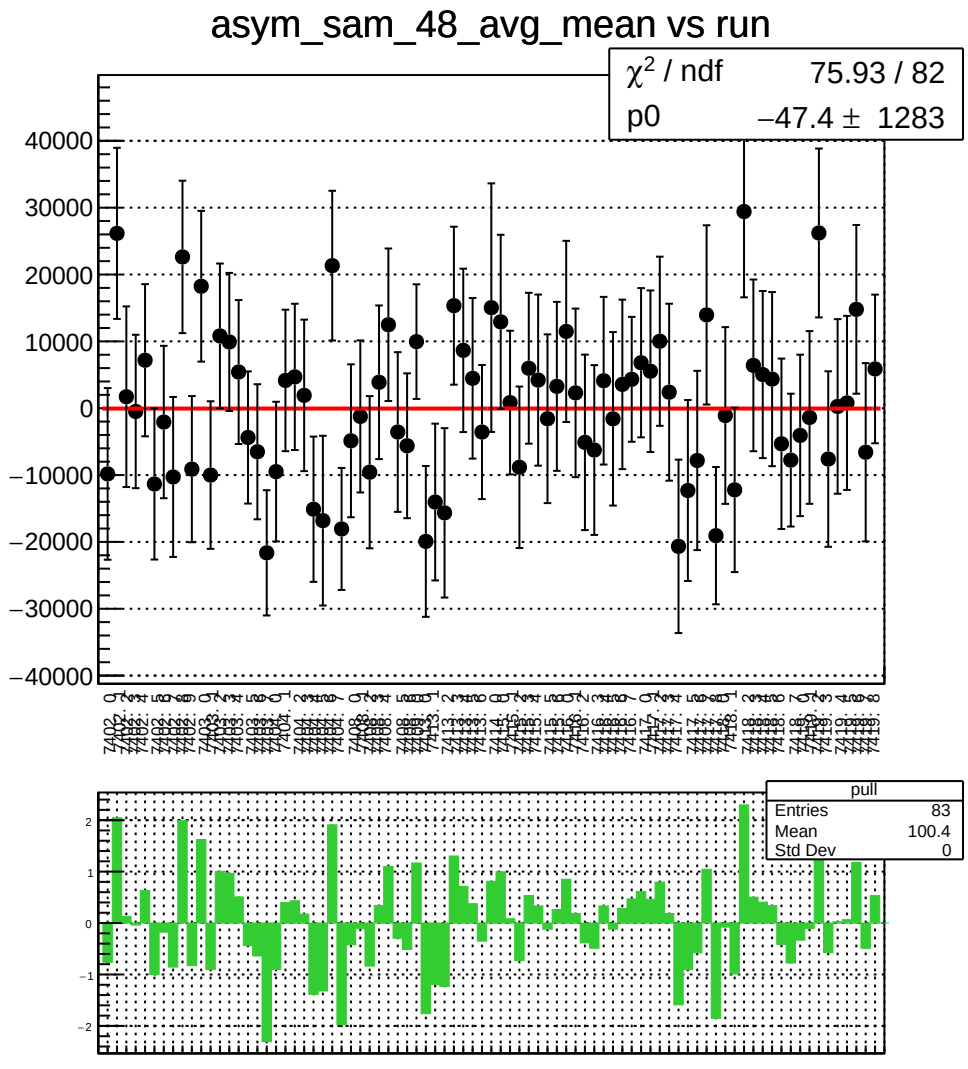

pull1D
Entries 83
Mean −0.02662
Std Dev 0.9945
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

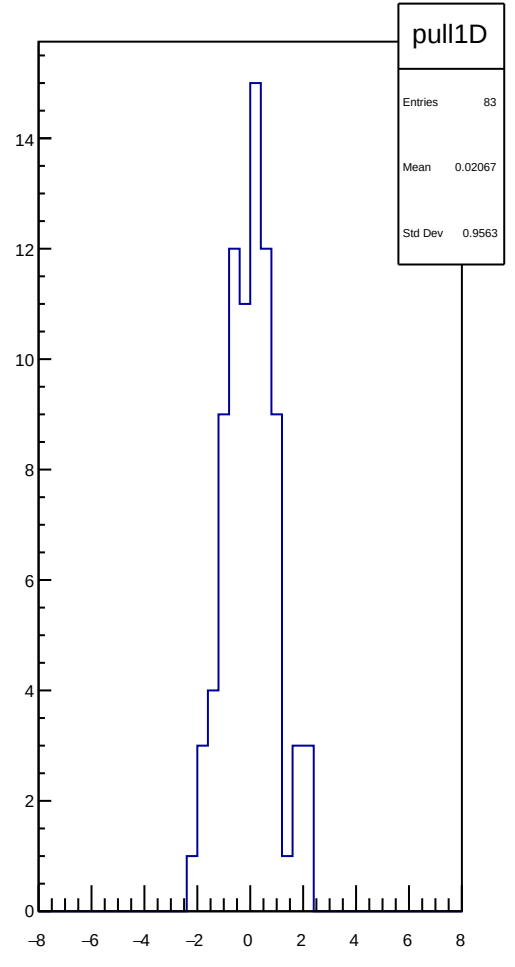

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 3.599e+04 / 82
p0 309.8 ± 0.2494
400
350
300
250
200

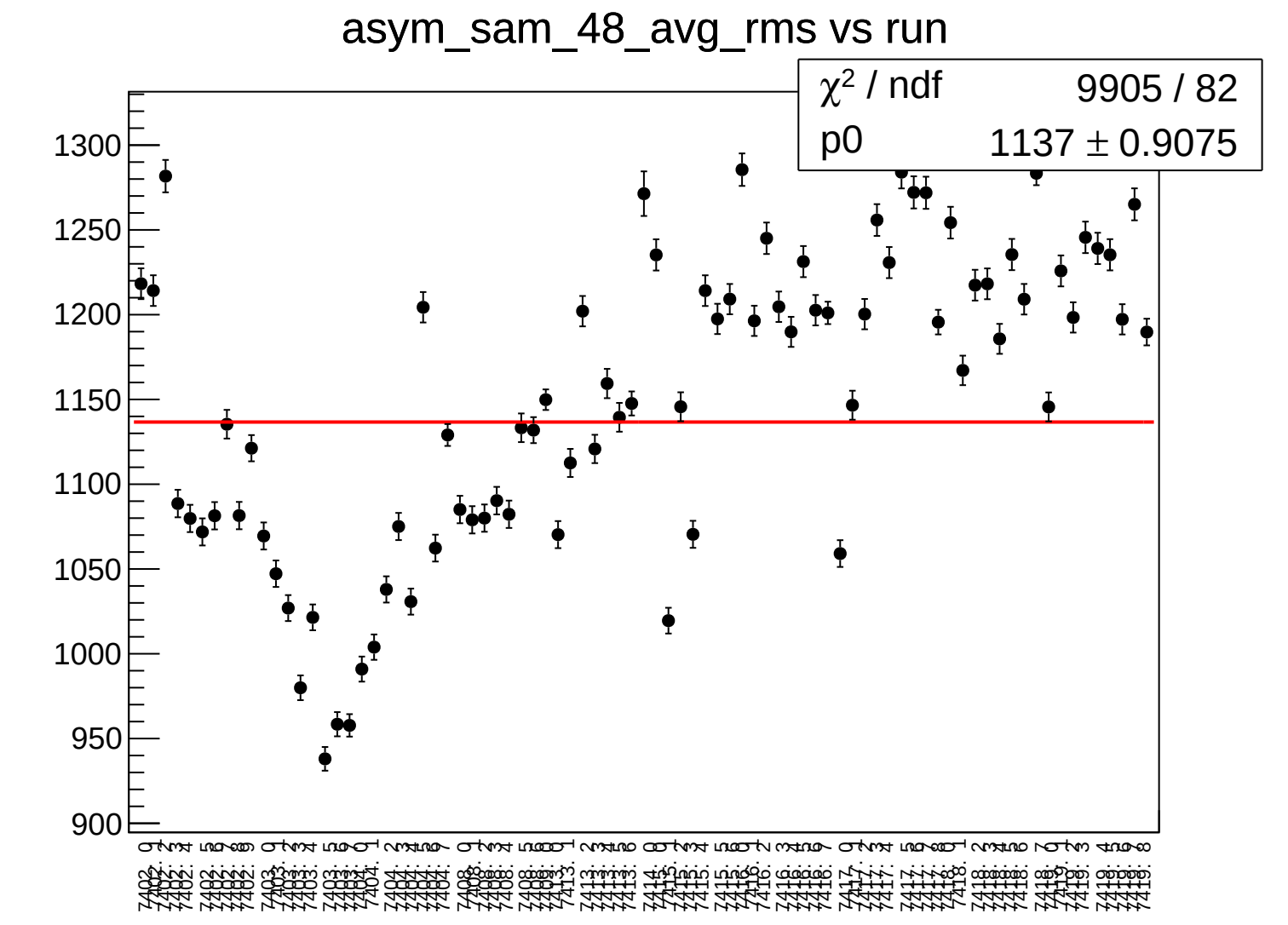

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.37 / 82
p0 −502.3 ± 1353
pull
Entries 83
Mean 134.5
Std Dev 0

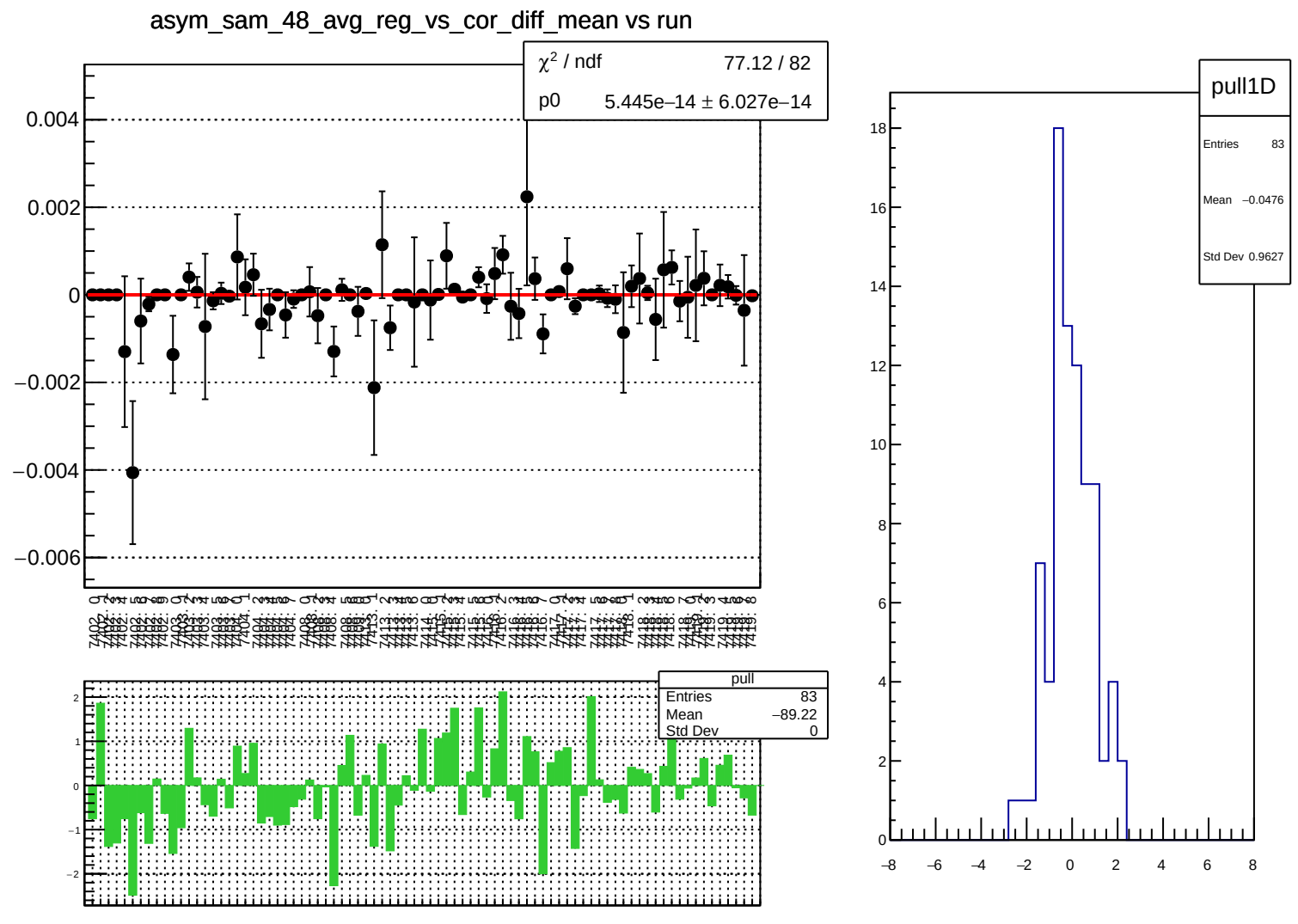

pull1D
Entries 83
Mean −0.01158
Std Dev 0.9273

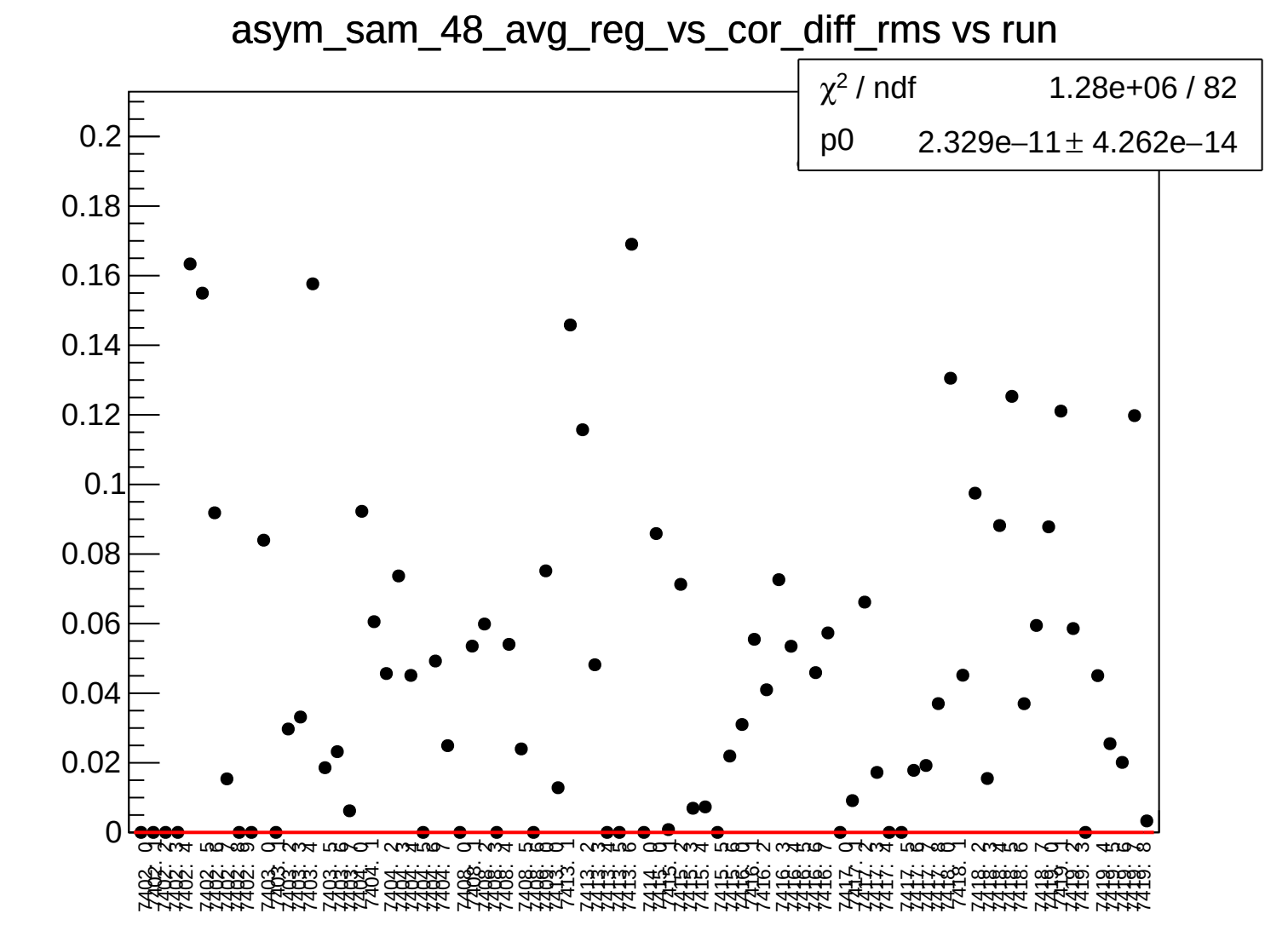

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 3523 / 82
p0 1201 ± 0.9568
1350
1300
1250
1200
1150
1100
1050

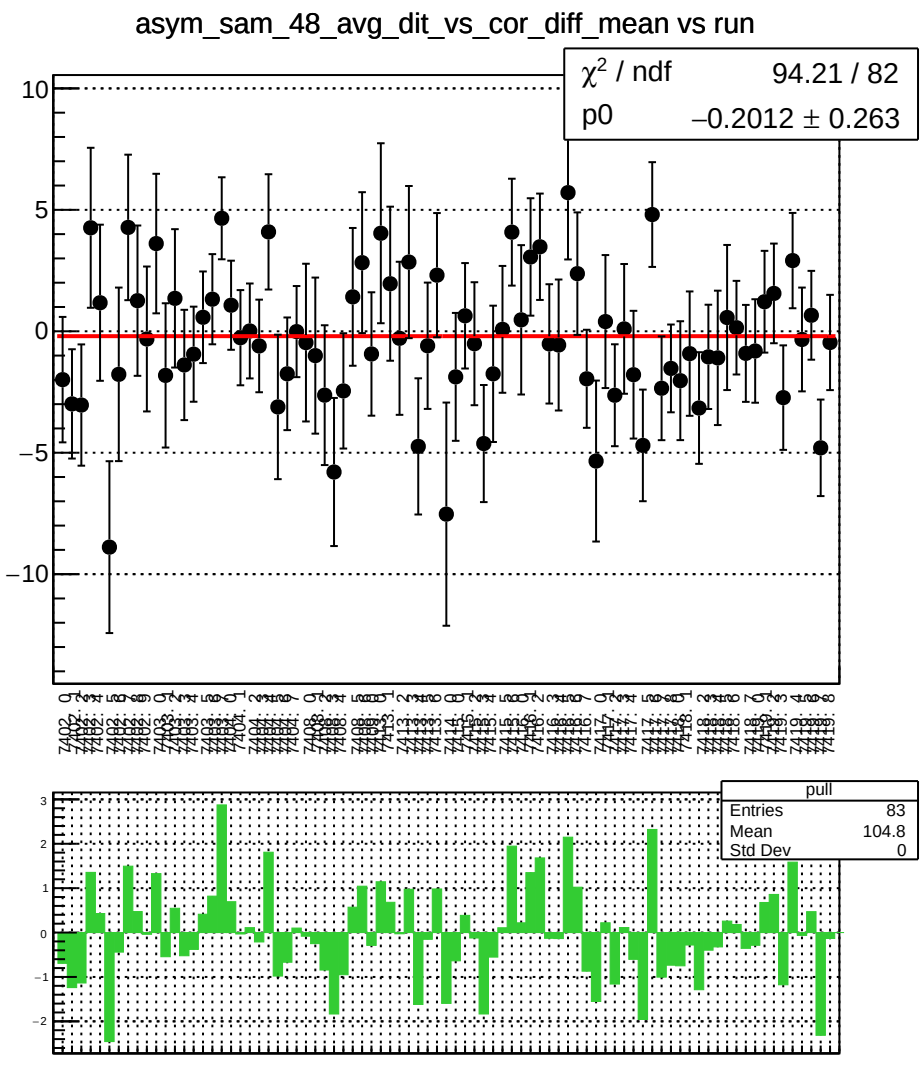

asym_sam_48_avg_mean vs run
χ² / ndf 75.93 / 82
p0 −47.4 ± 1283
pull
Entries 83
Mean 100.4
Std Dev 0

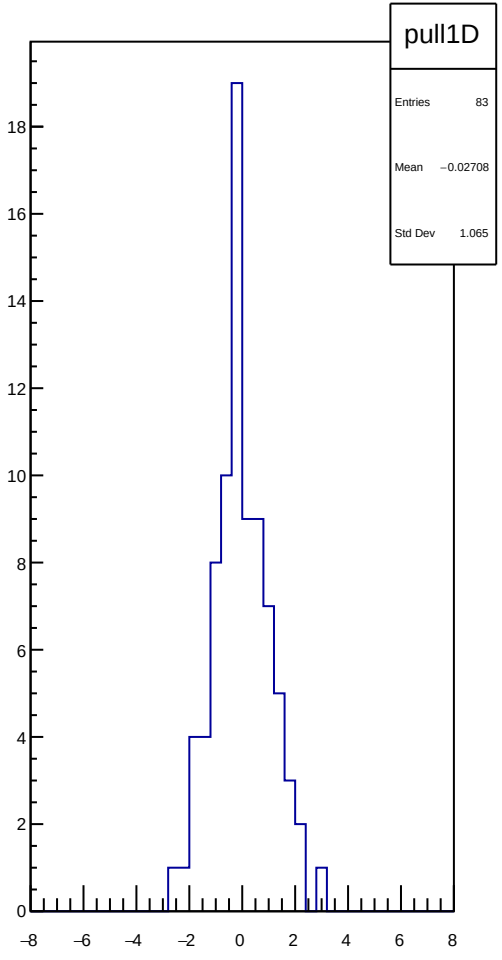

pull1D
Entries 83
Mean 0.02067
Std Dev 0.9563

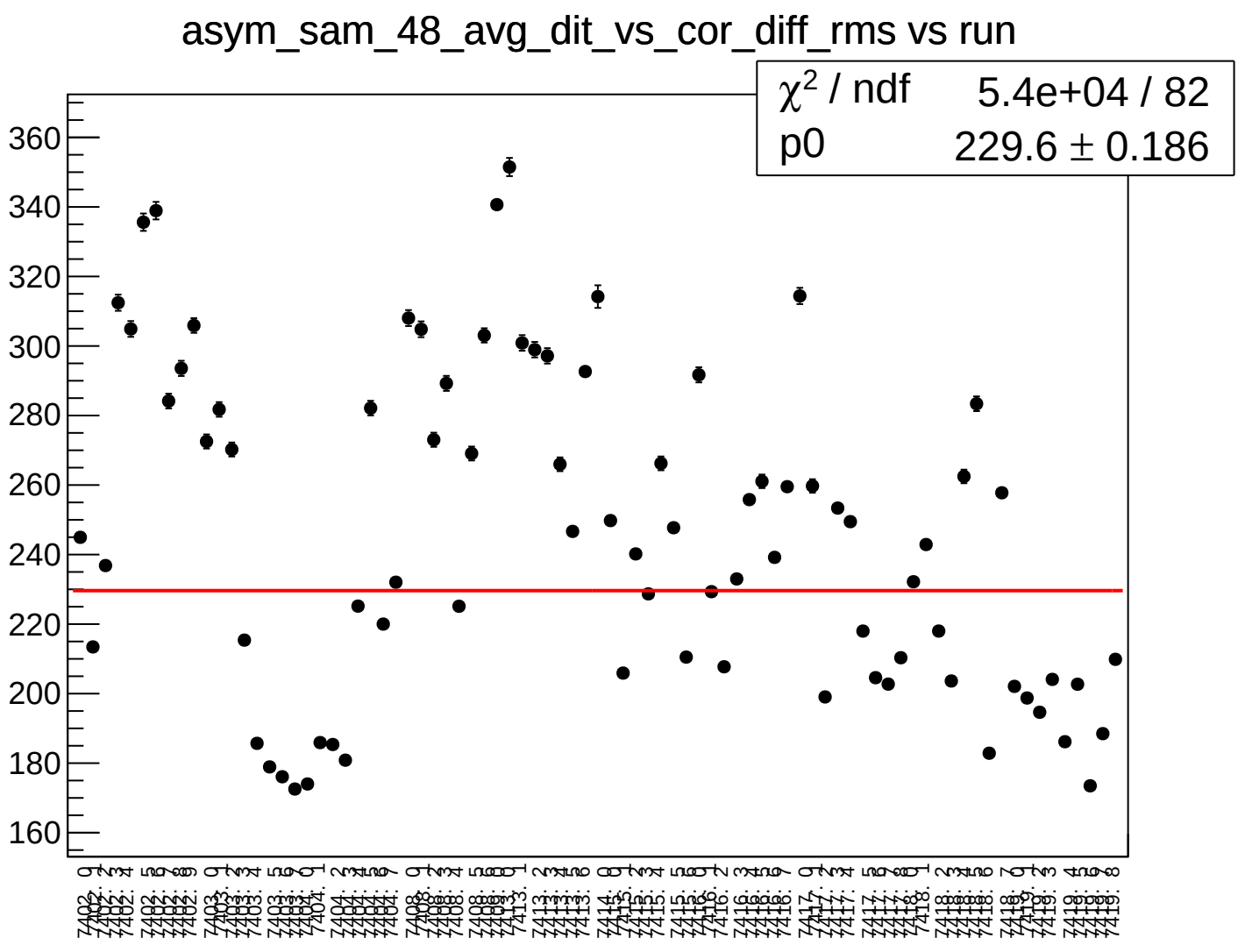

asym_sam_48_avg_rms vs run
χ² / ndf 9905 / 82
p0 1137 ± 0.9075
1300
1250
1200
1150
1100
1050
1000
950
900

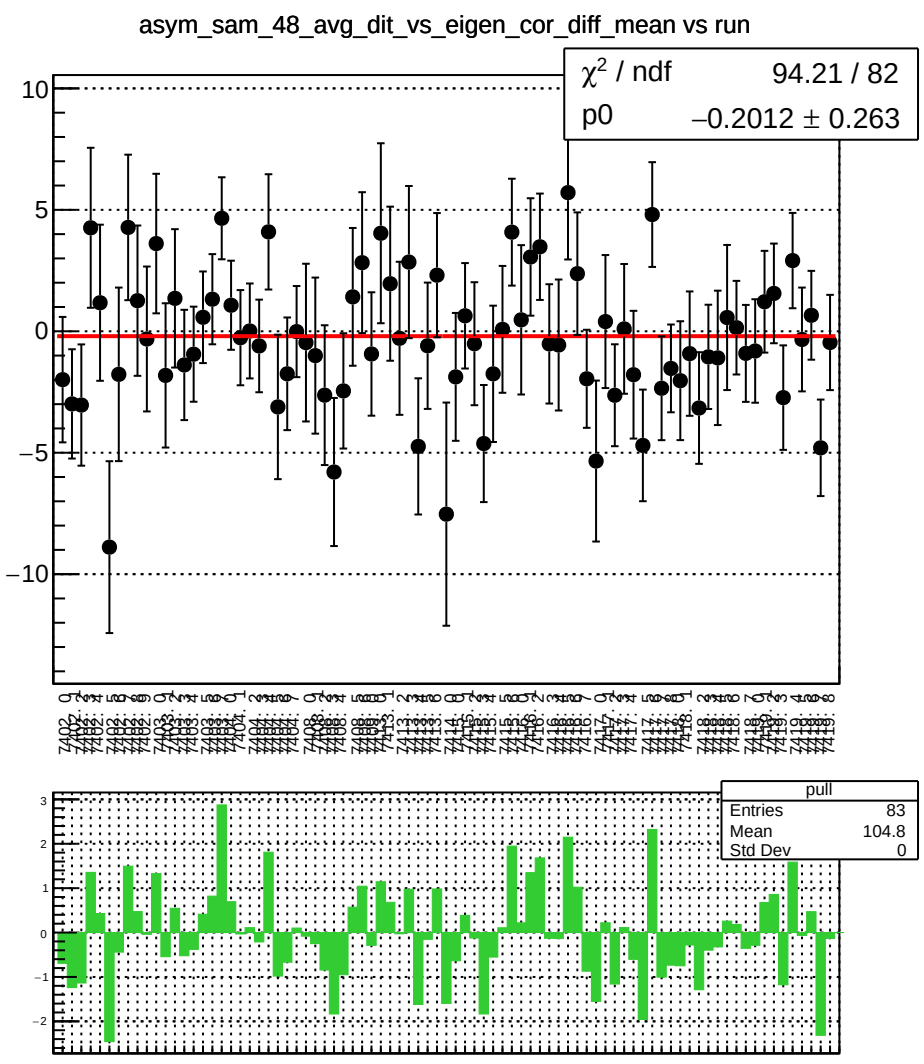

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 77.12 / 82
p0 5.445e−14 ± 6.027e−14
0.004
0.002
0
−0.002
−0.004
−0.006
pull
Entries 83
Mean −89.22
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.0476
Std Dev 0.9627
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

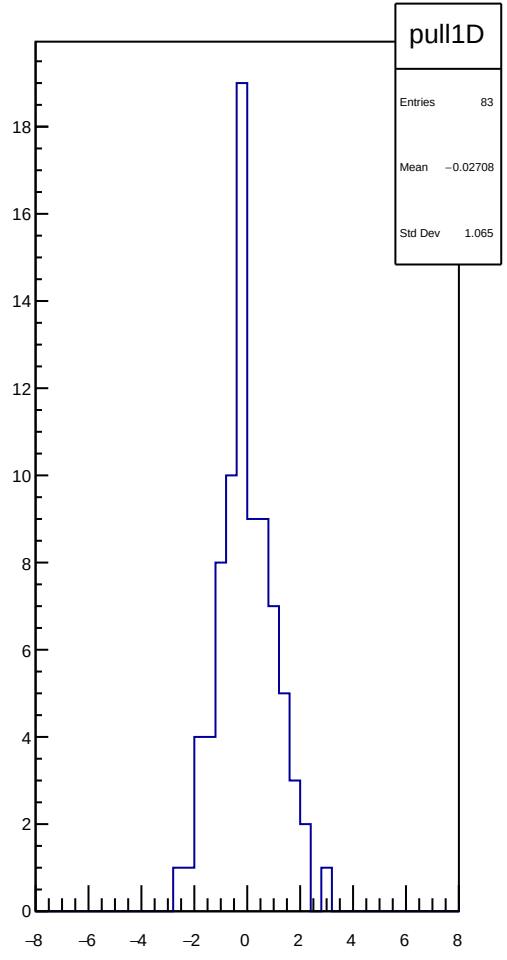

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.28e+06 / 82
p0 2.329e−11 ± 4.262e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

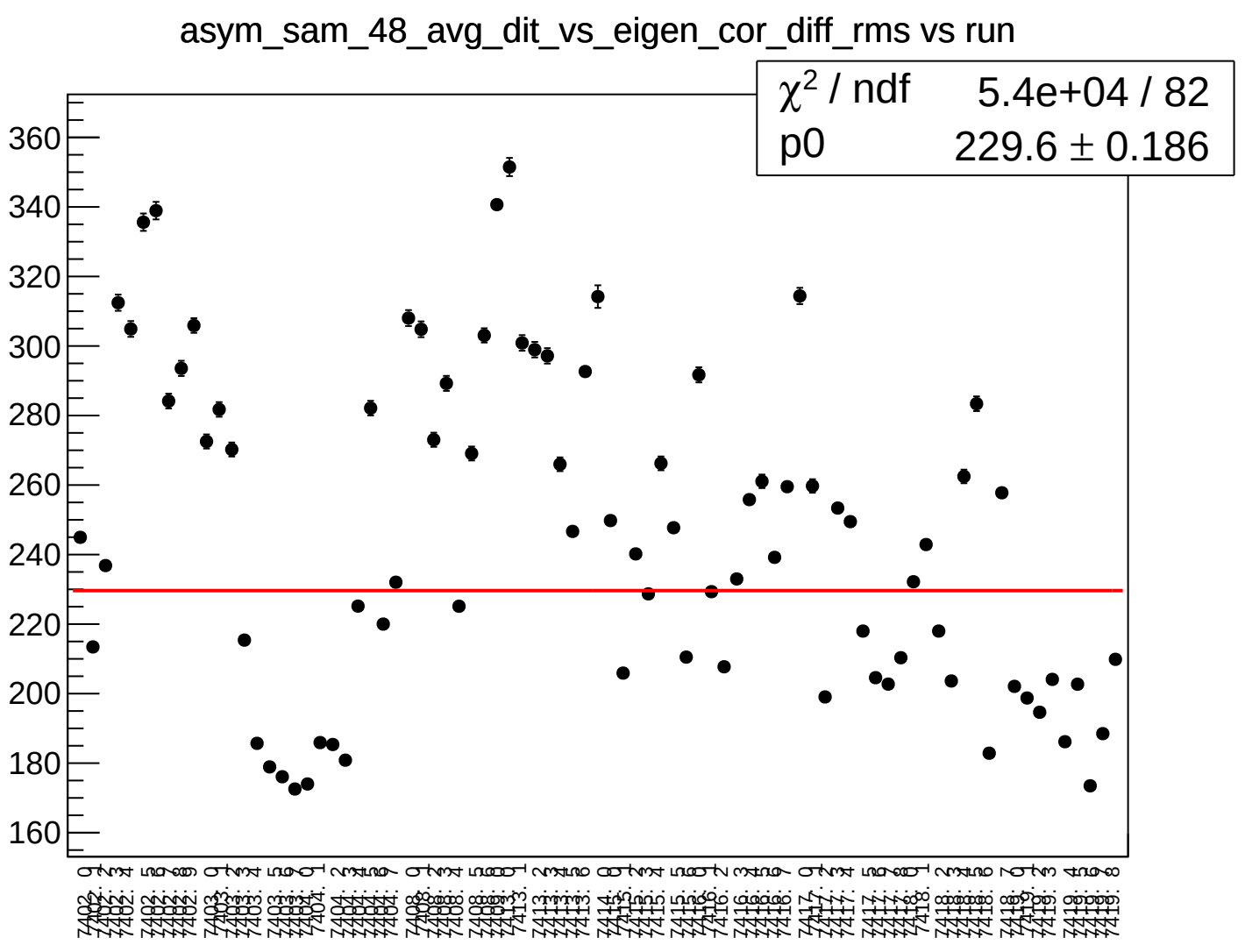

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 94.21 / 82
p0 −0.2012 ± 0.263
pull
Entries 83
Mean 104.8
Std Dev 0

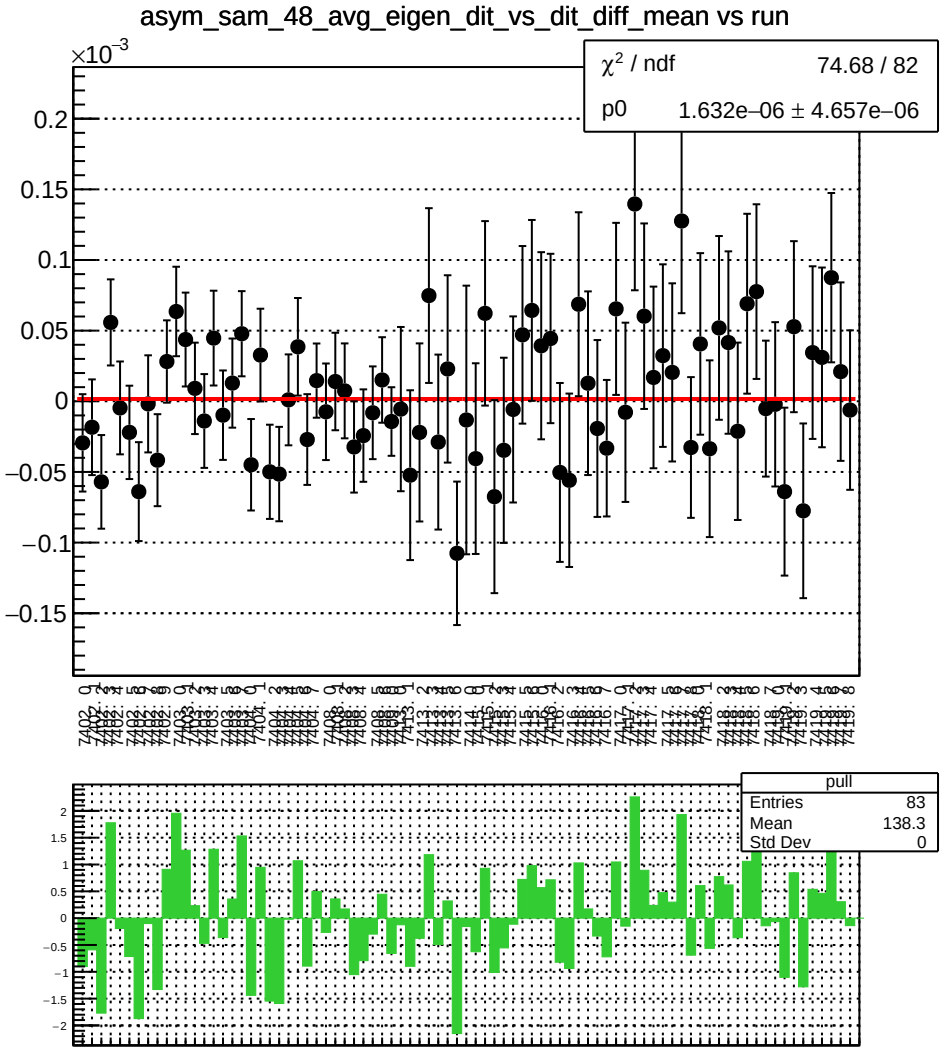

pull1D
Entries 83
Mean −0.02708
Std Dev 1.065

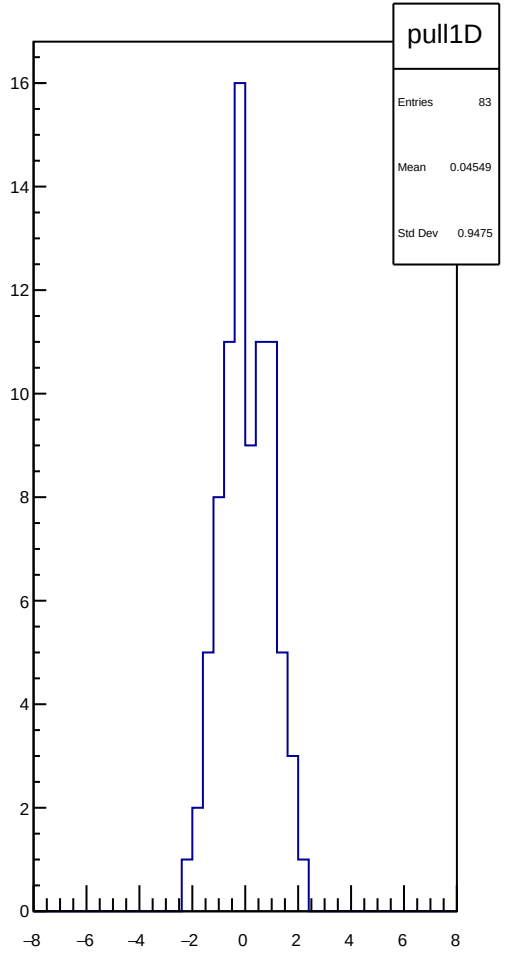

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.4e+04 / 82
p0 229.6 ± 0.186
360
340
320
300
280
260
240
220
200
180
160

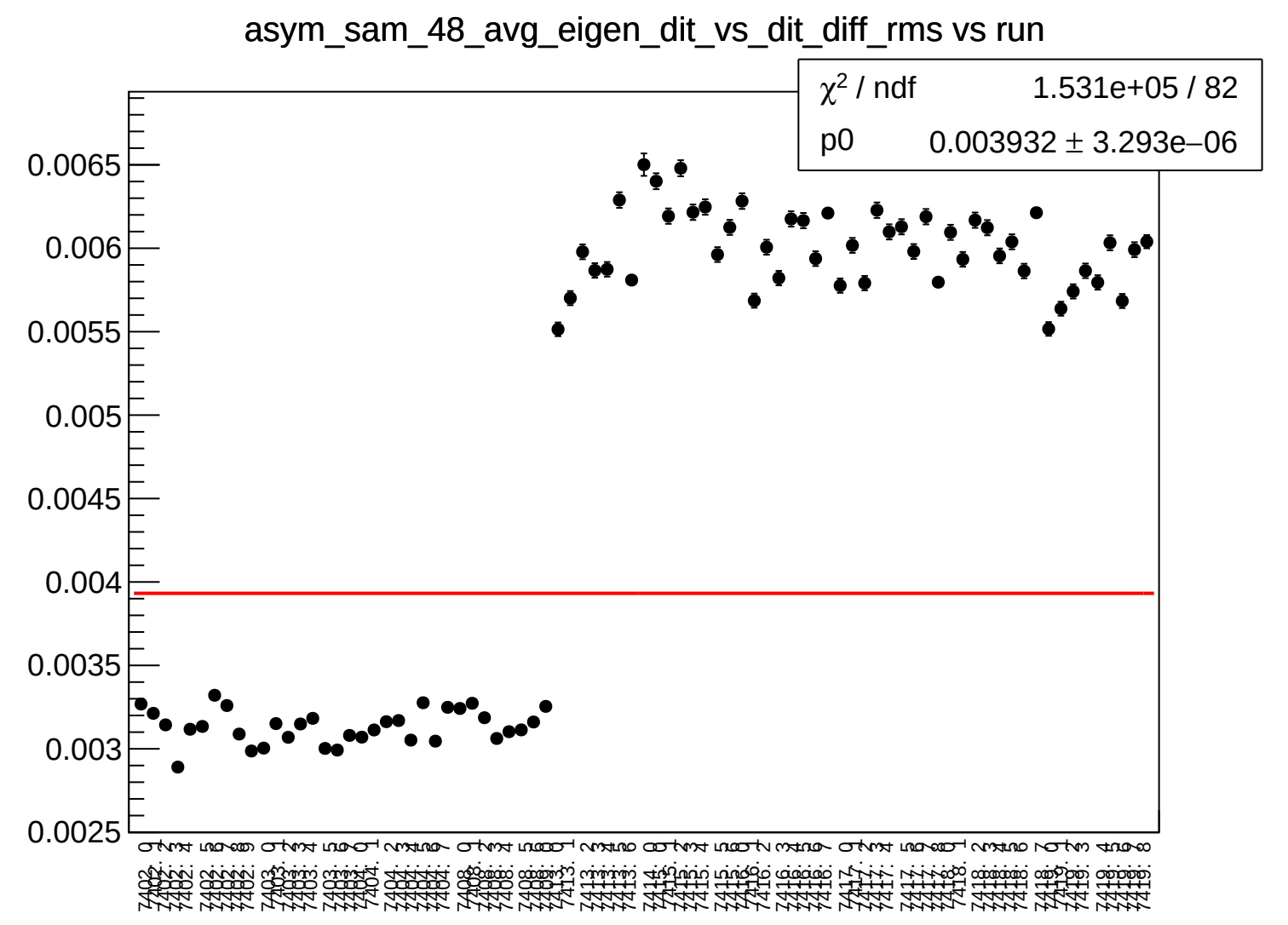

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.21 / 82
p0 −0.2012 ± 0.263
pull
Entries 83
Mean 104.8
Std Dev 0

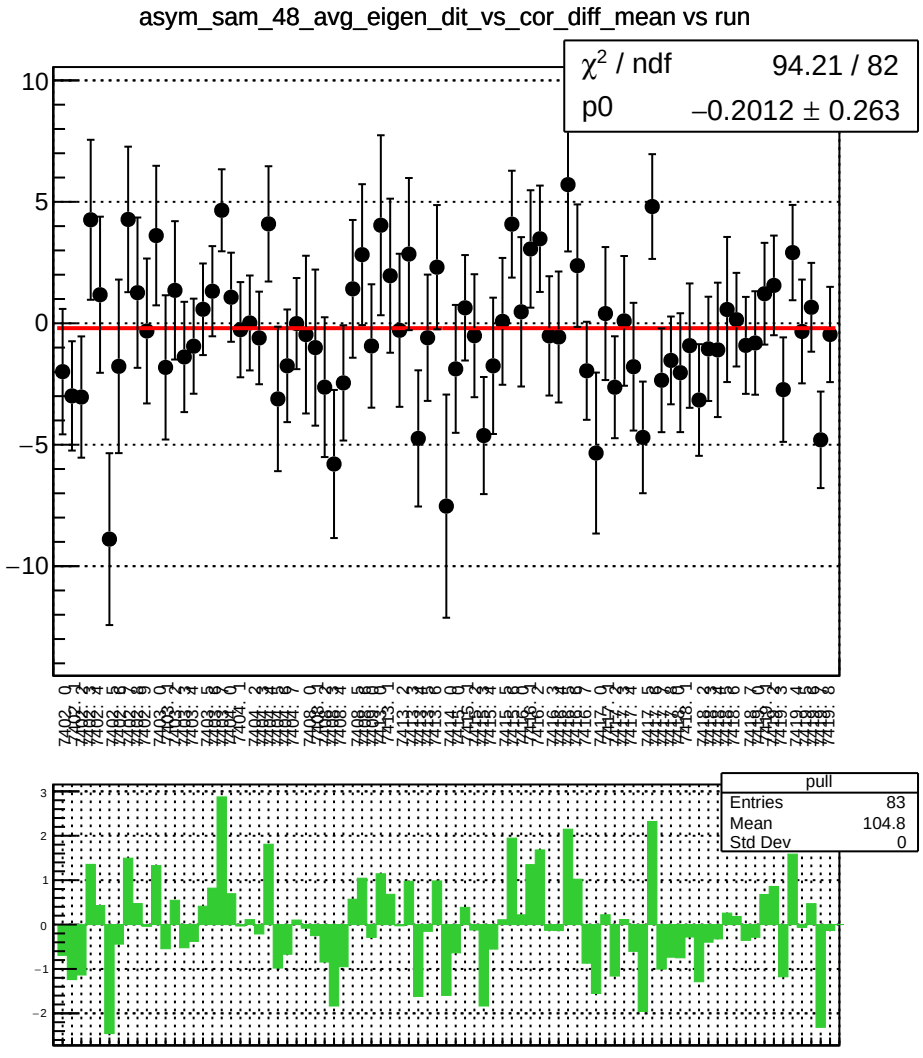

pull1D
Entries 83
Mean −0.02708
Std Dev 1.065

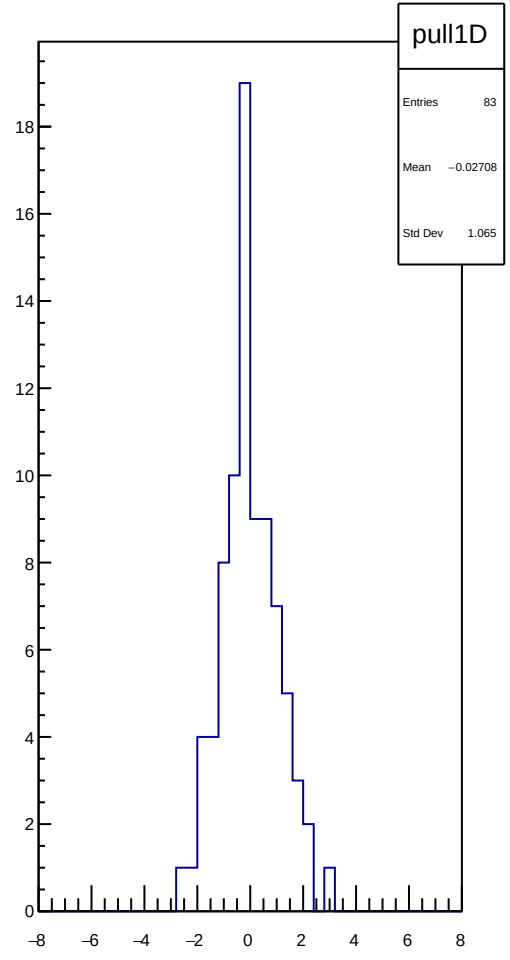

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.4e+04 / 82
p0 229.6 ± 0.186
360
340
320
300
280
260
240
220
200
180
160

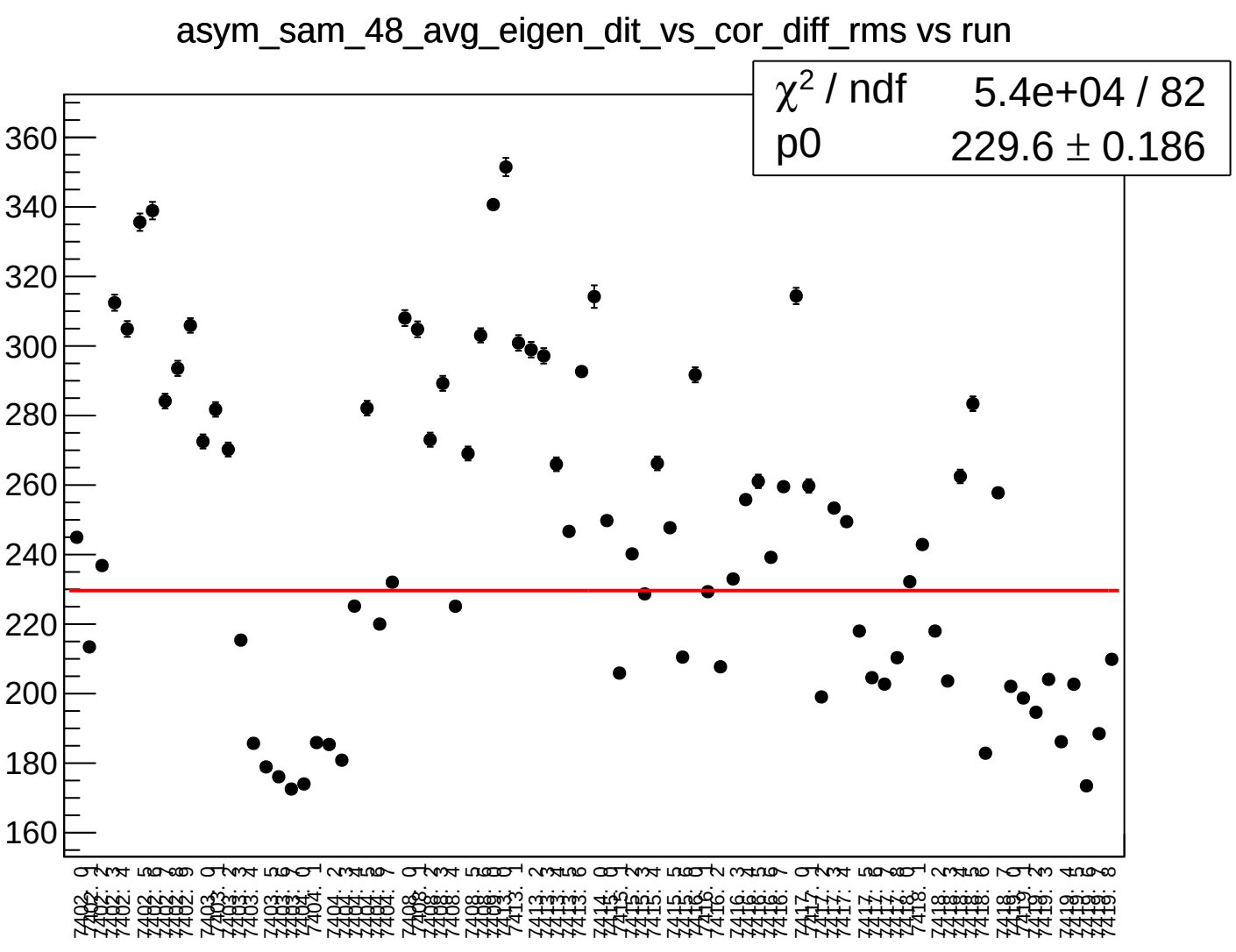

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.68 / 82
p0 1.632e−06 ± 4.657e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 138.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

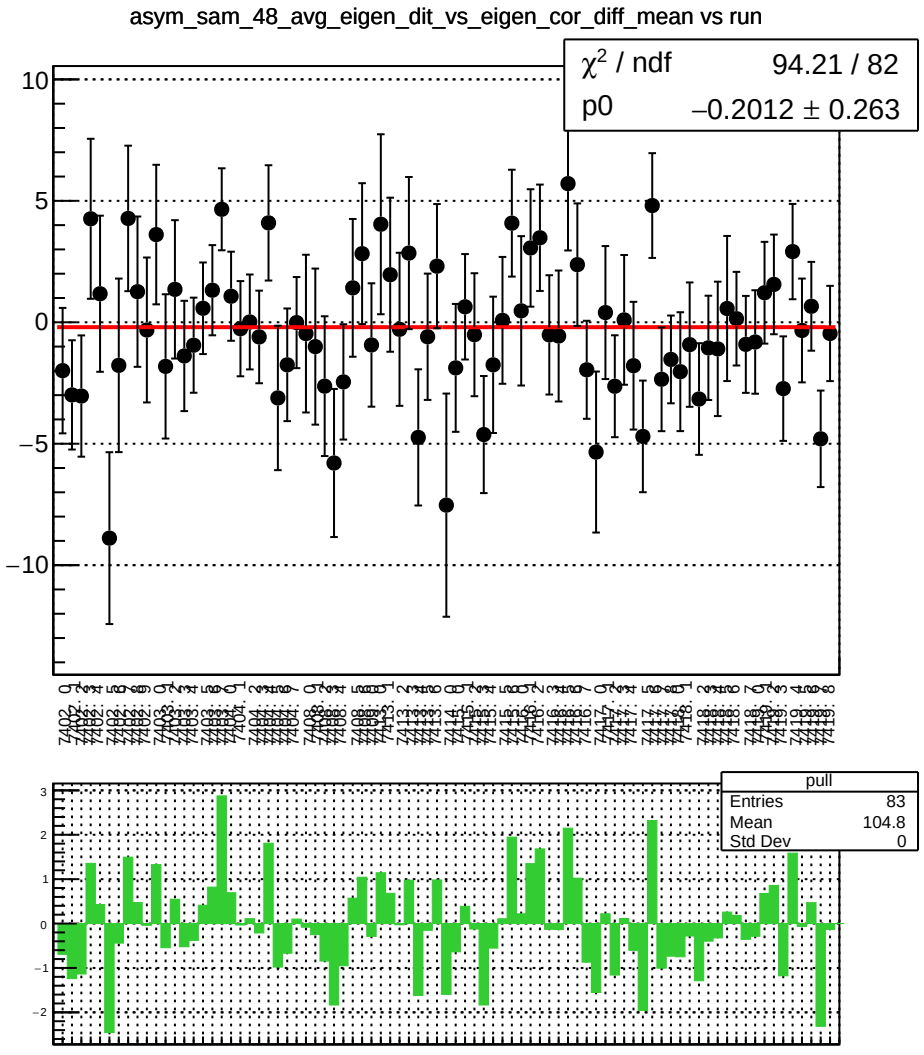

pull1D
Entries 83
Mean 0.04549
Std Dev 0.9475
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

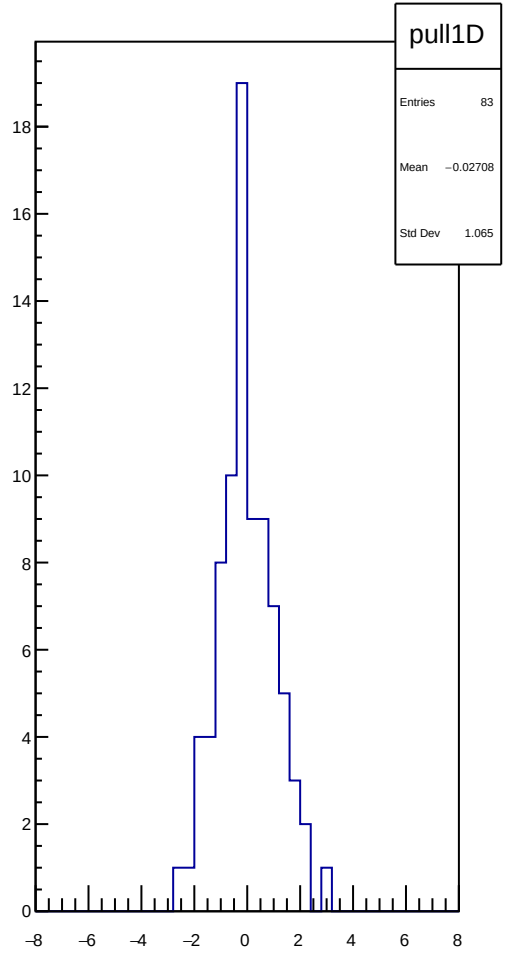

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.531e+05 / 82
p0 0.003932 ± 3.293e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

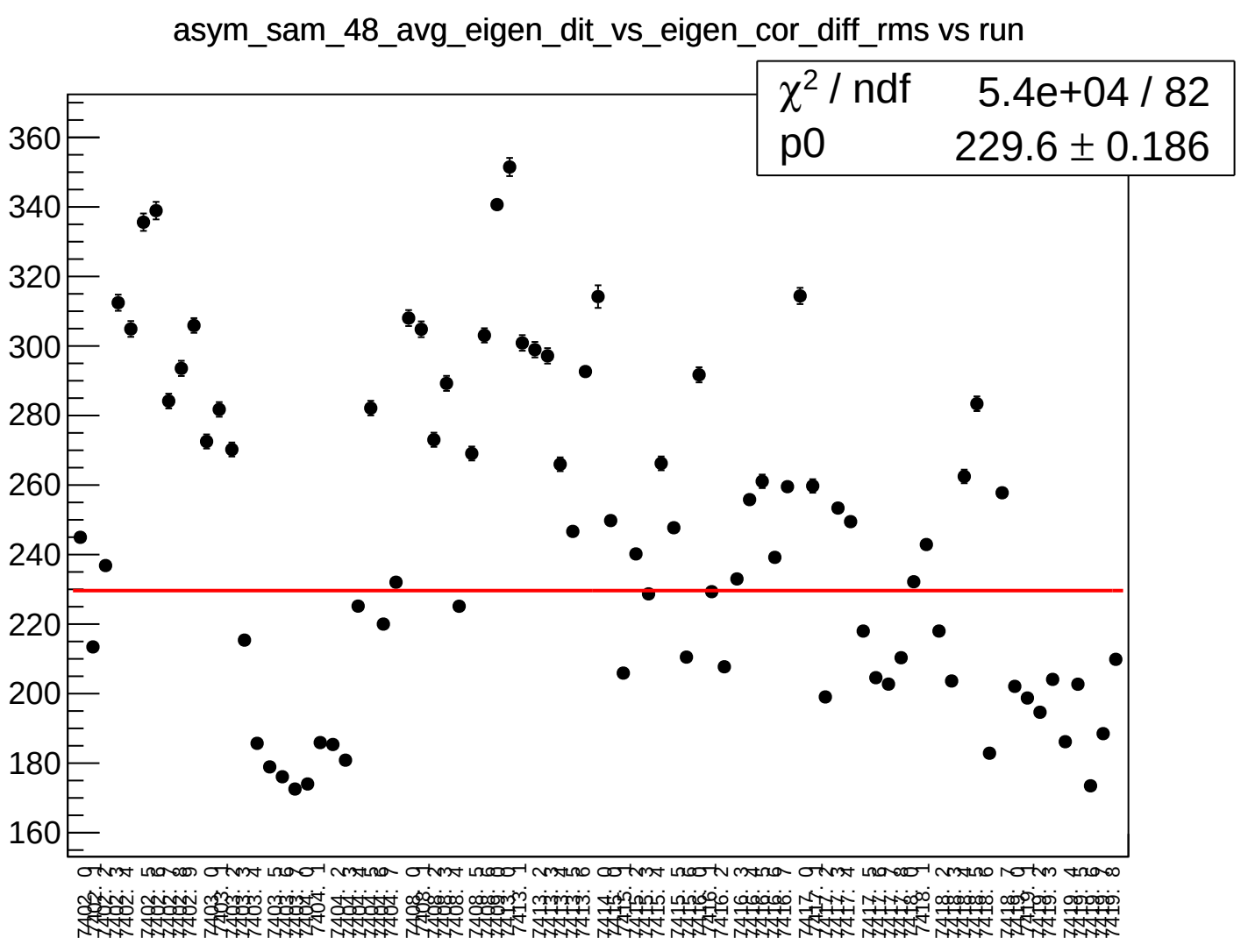

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.21 / 82
p0 −0.2012 ± 0.263
pull
Entries 83
Mean 104.8
Std Dev 0

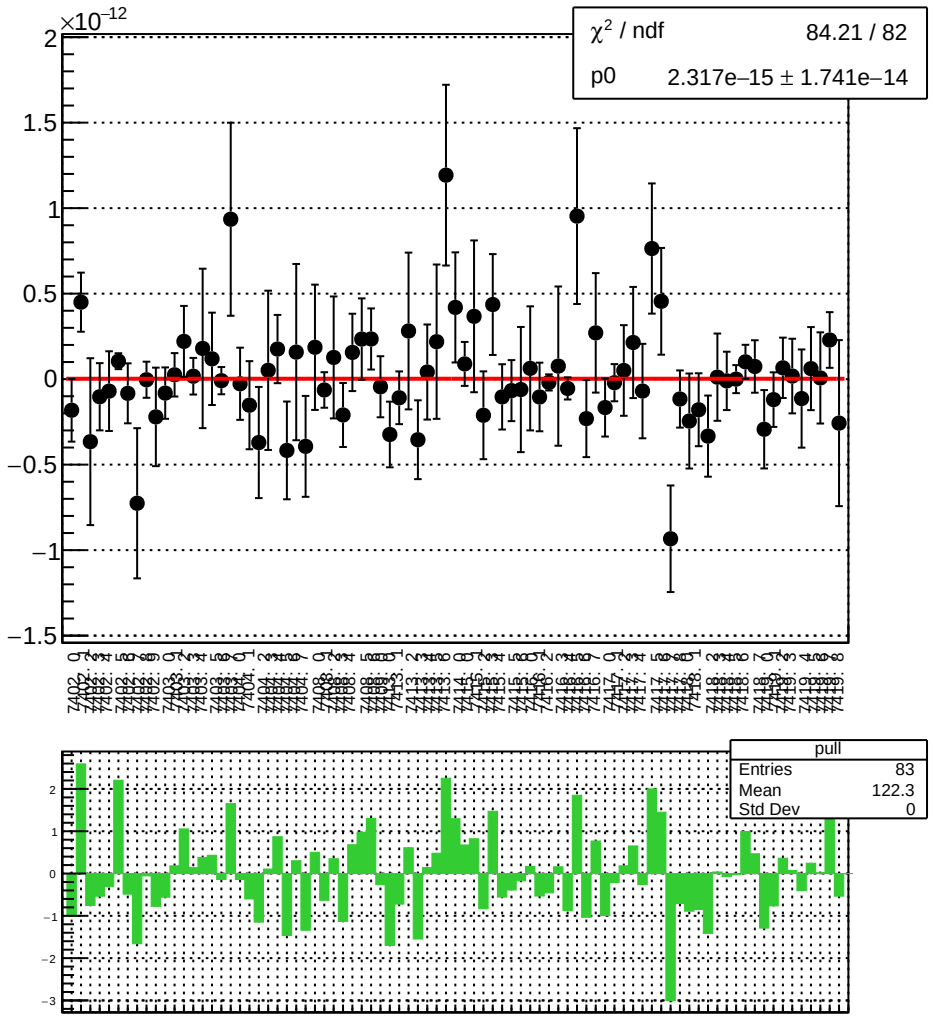

pull1D
Entries 83
Mean −0.02708
Std Dev 1.065

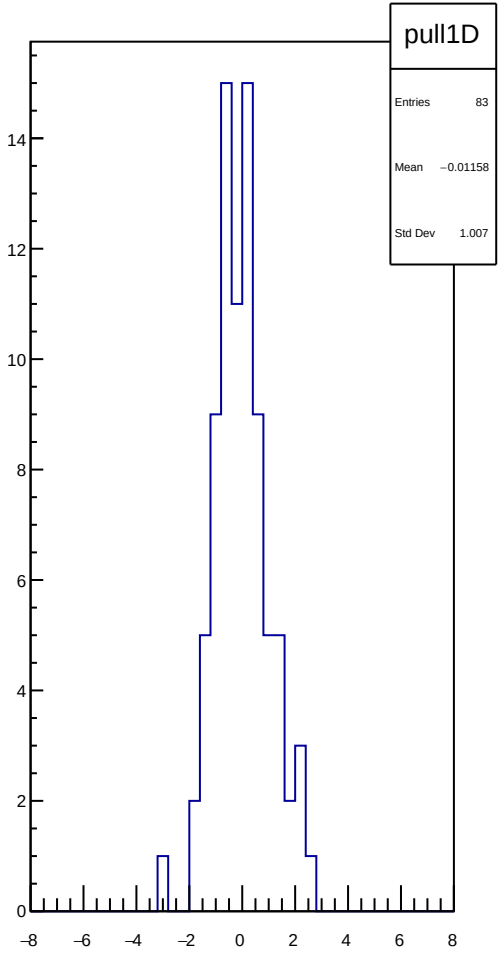

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.4e+04 / 82
p0 229.6 ± 0.186
360
340
320
300
280
260
240
220
200
180
160

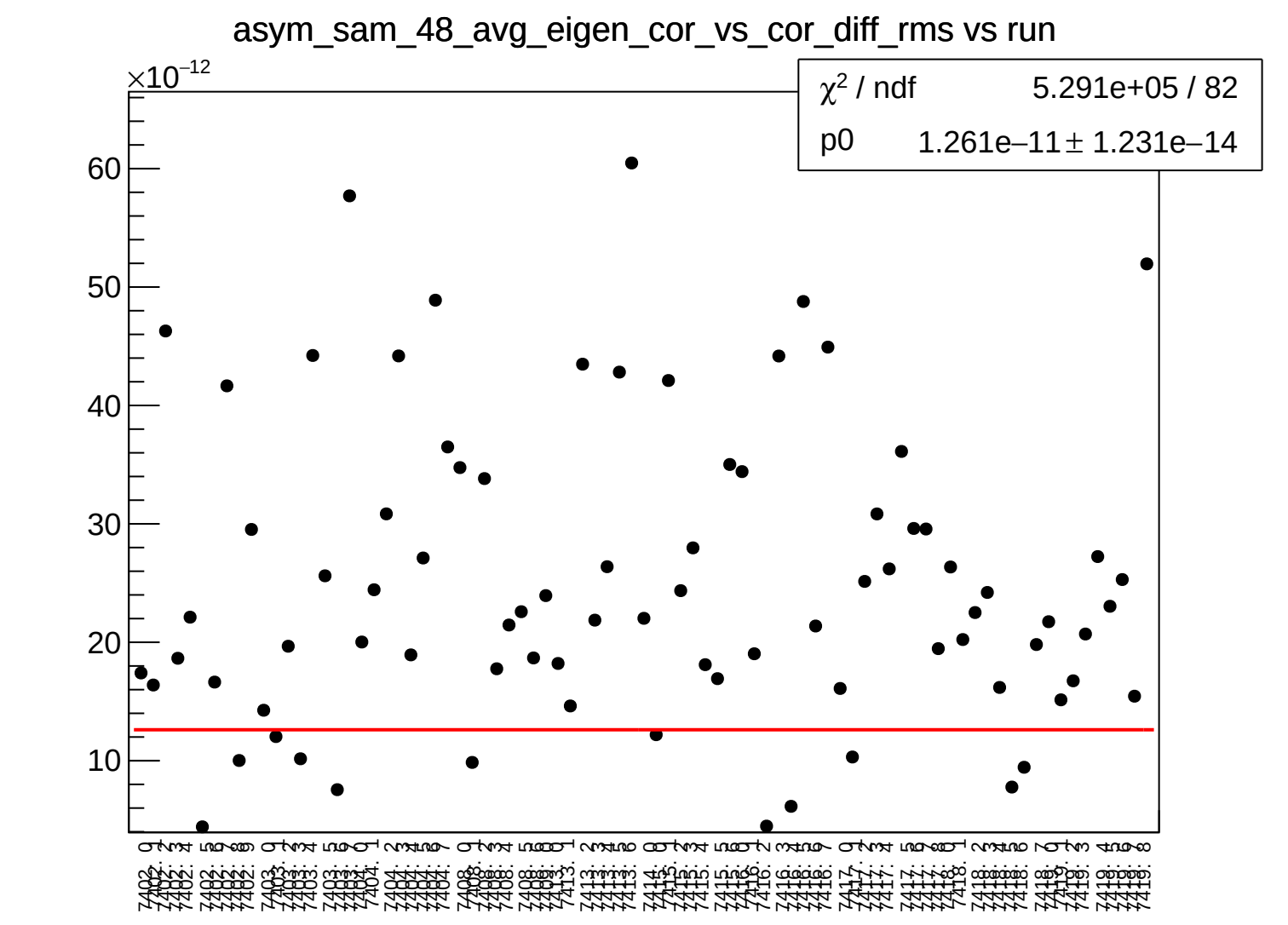

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.21 / 82
p0 −0.2012 ± 0.263
pull
Entries 83
Mean 104.8
Std Dev 0

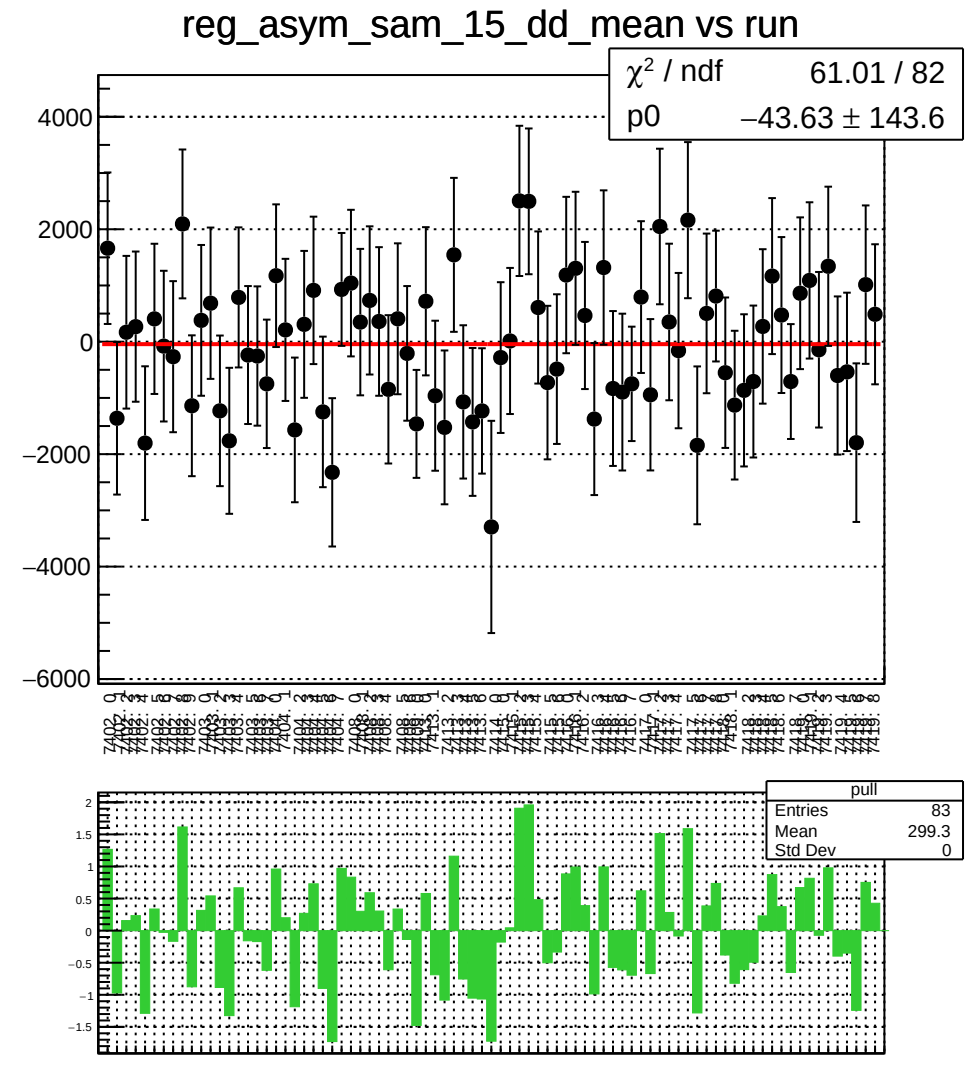

pull1D
Entries 83
Mean −0.02708
Std Dev 1.065

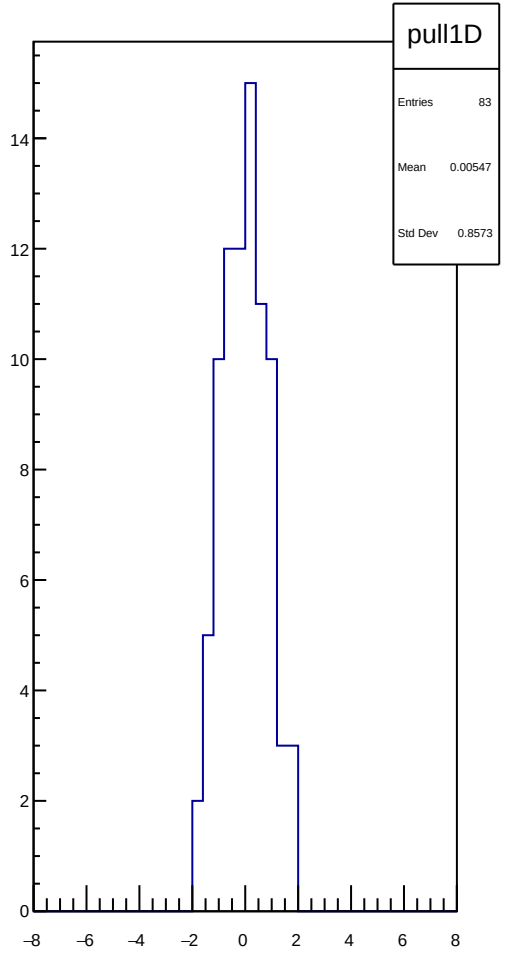

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.4e+04 / 82
p0 229.6 ± 0.186
360
340
320
300
280
260
240
220
200
180
160

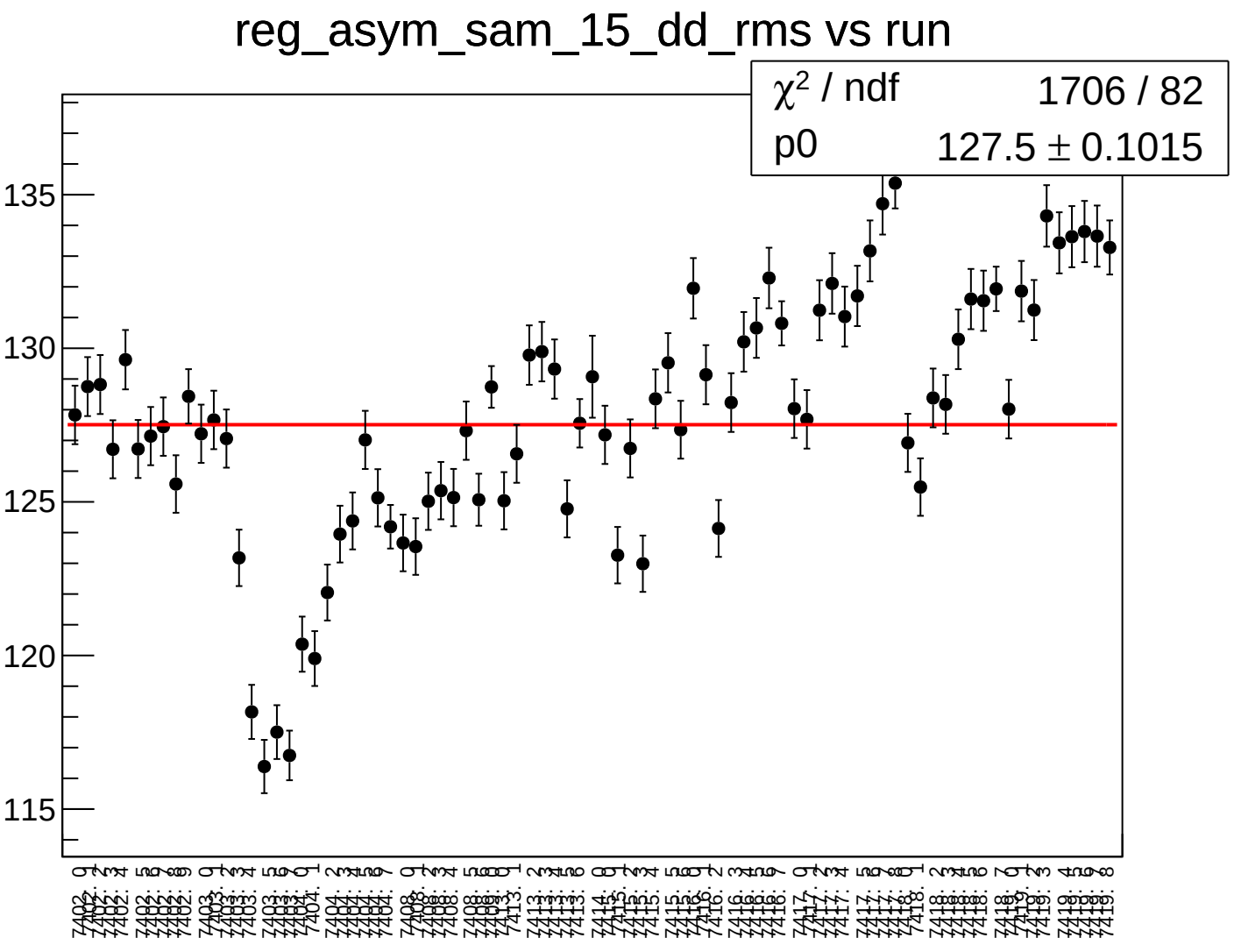

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.21 / 82
p0 2.317e−15 ± 1.741e−14
pull
Entries 83
Mean 122.3
Std Dev 0

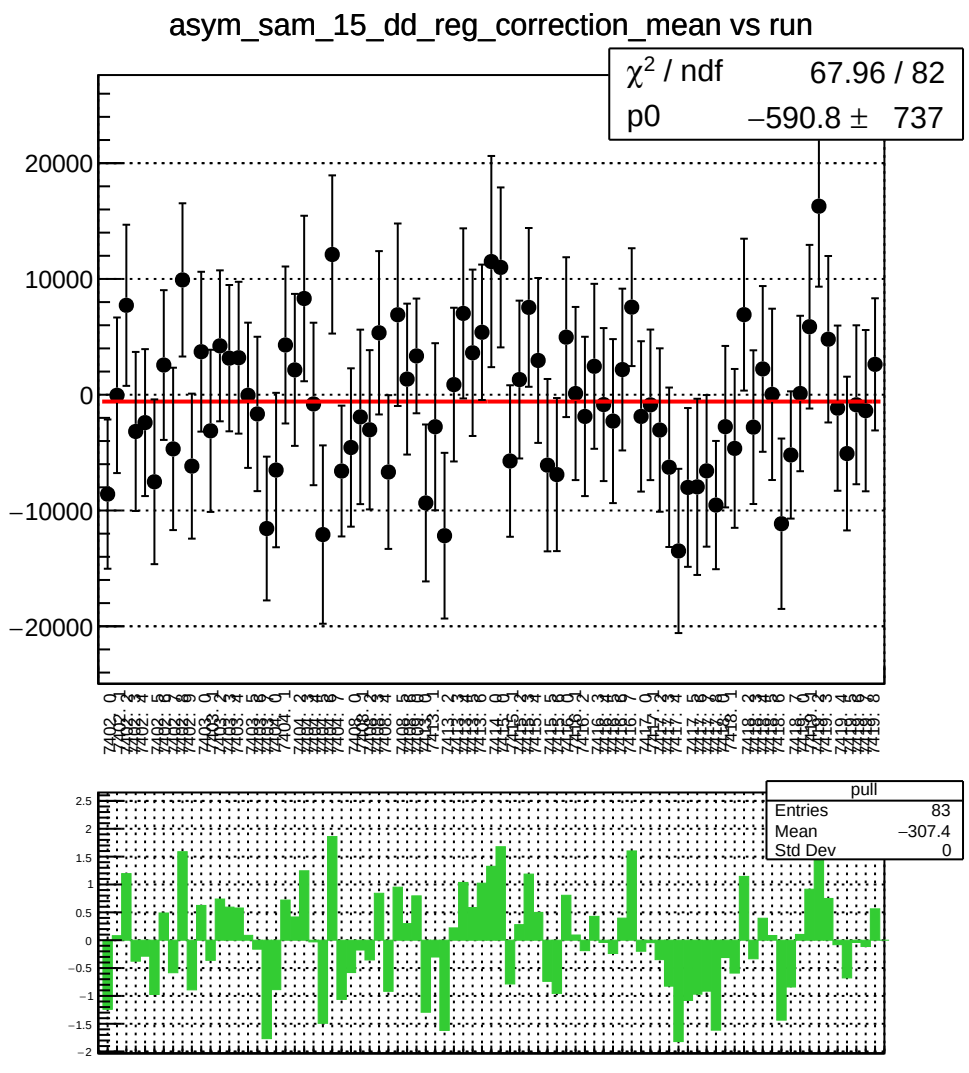

pull1D
Entries 83
Mean −0.01158
Std Dev 1.007

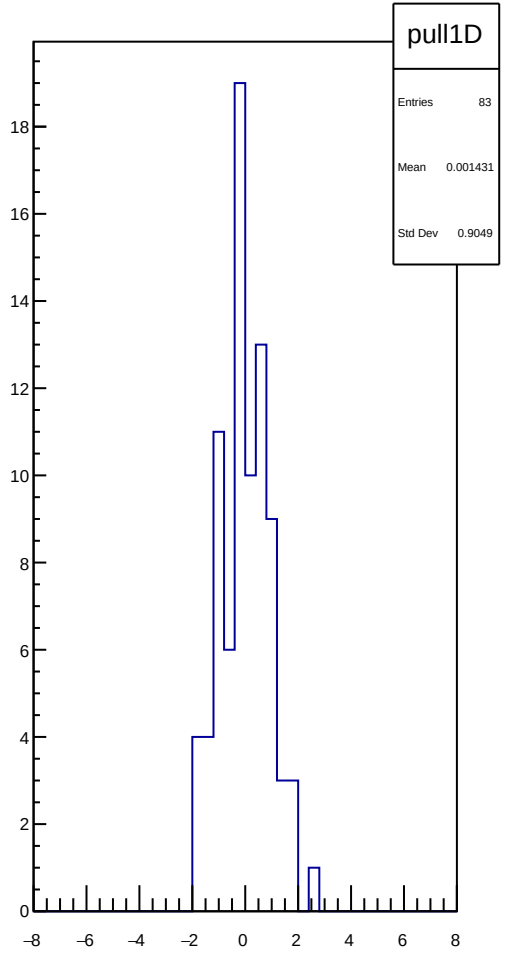

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.291e+05 / 82
p0 1.261e−11 ± 1.231e−14
60
50
40
30
20
10

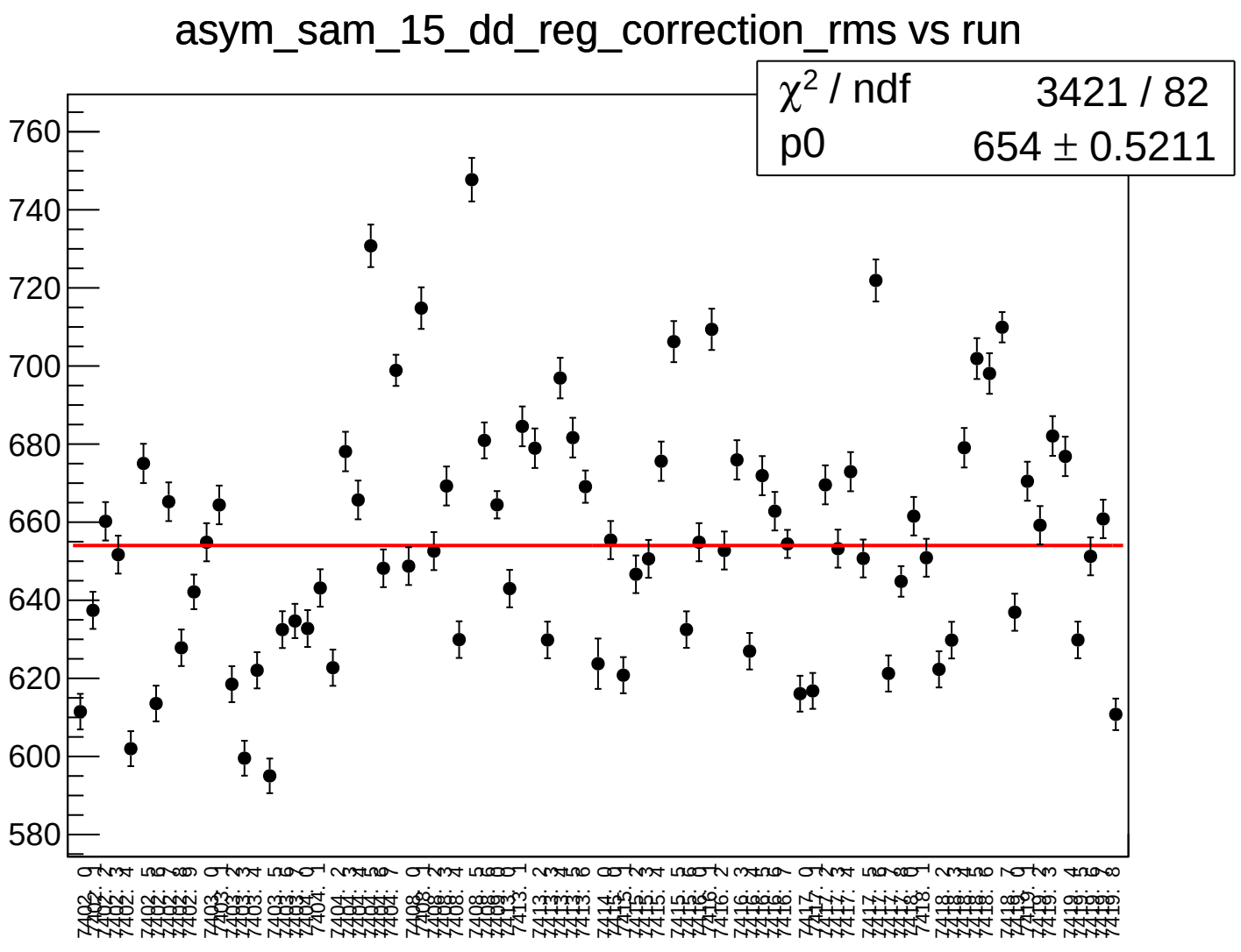

reg_asym_sam_15_dd_mean vs run
χ² / ndf 61.01 / 82
p0 −43.63 ± 143.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 299.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

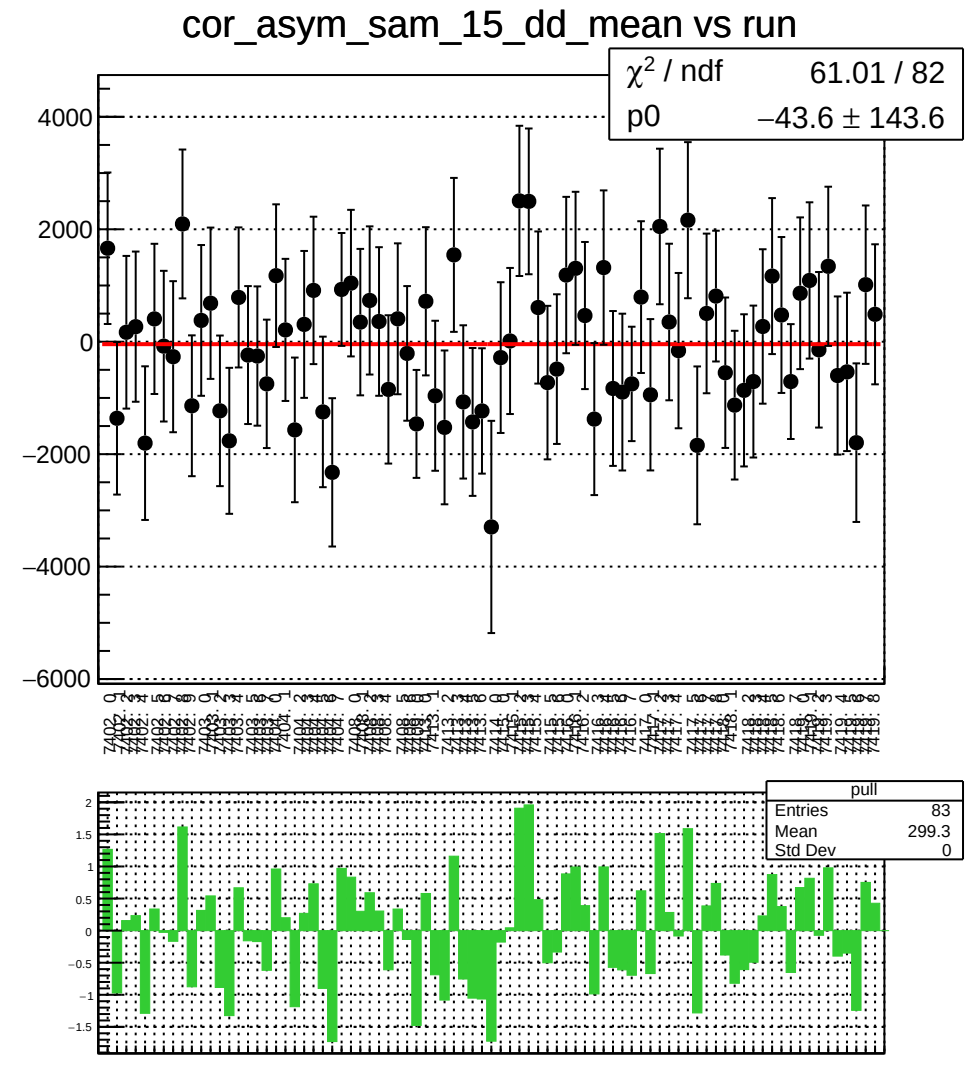

pull1D
Entries 83
Mean 0.00547
Std Dev 0.8573
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

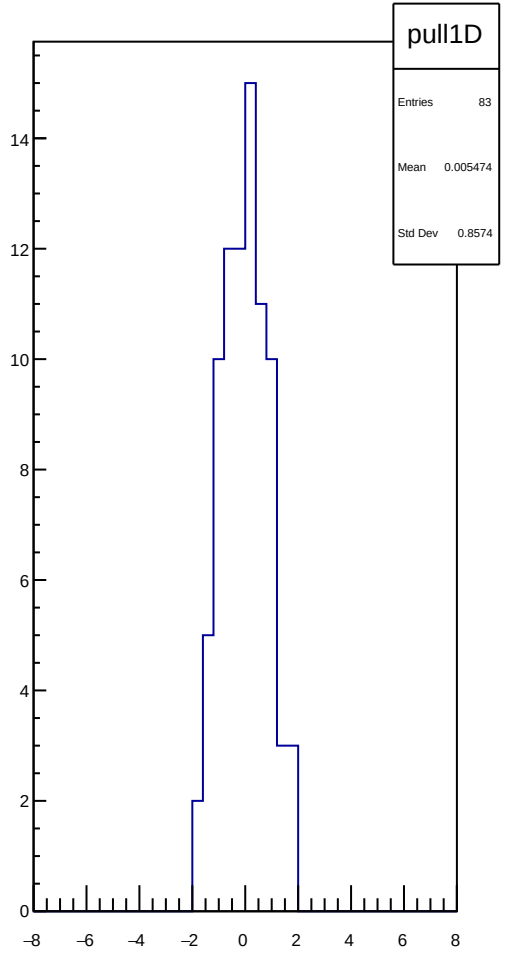

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1706 / 82
p0 127.5 ± 0.1015
135
130
125
120
115

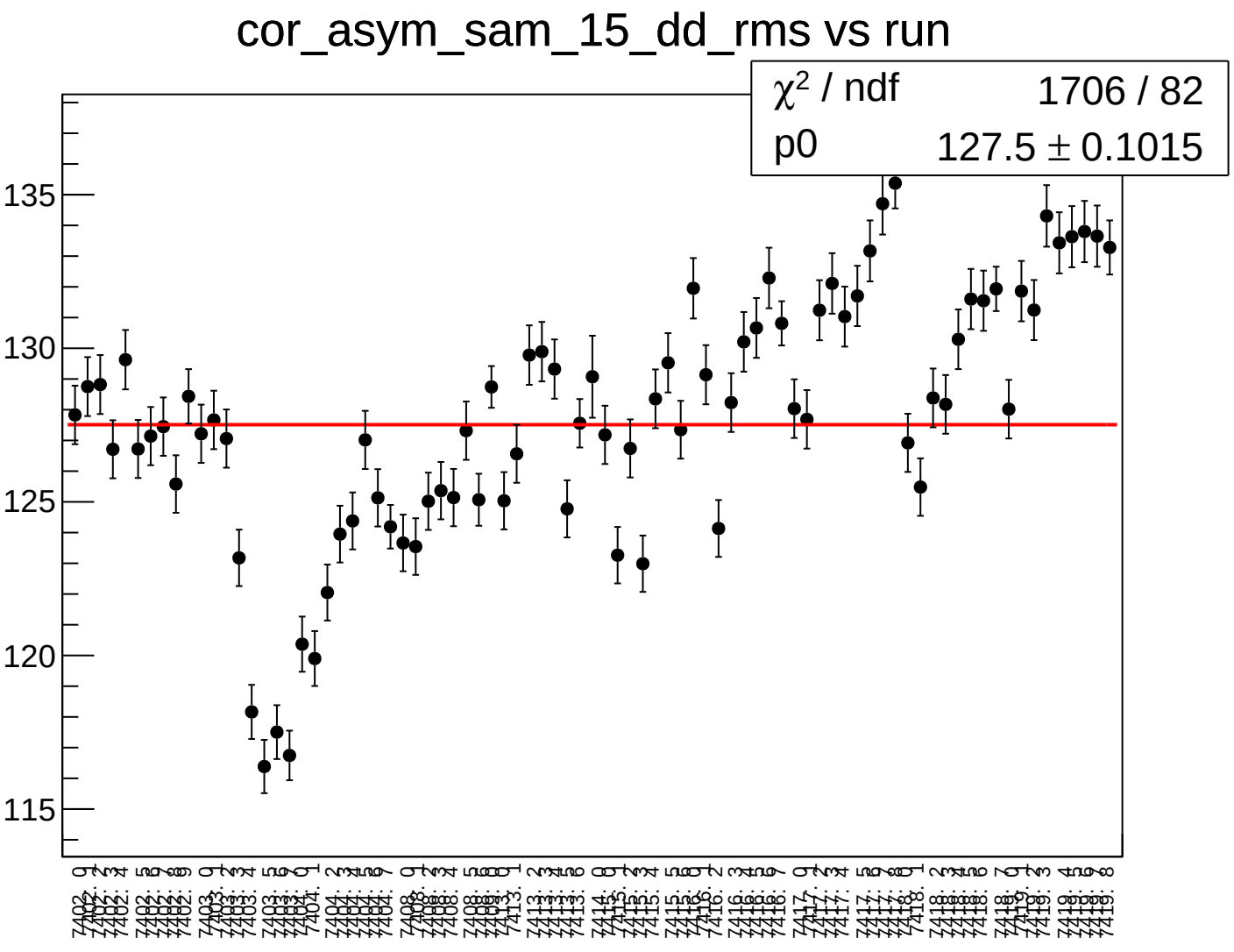

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 67.96 / 82
p0 −590.8 ± 737
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −307.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

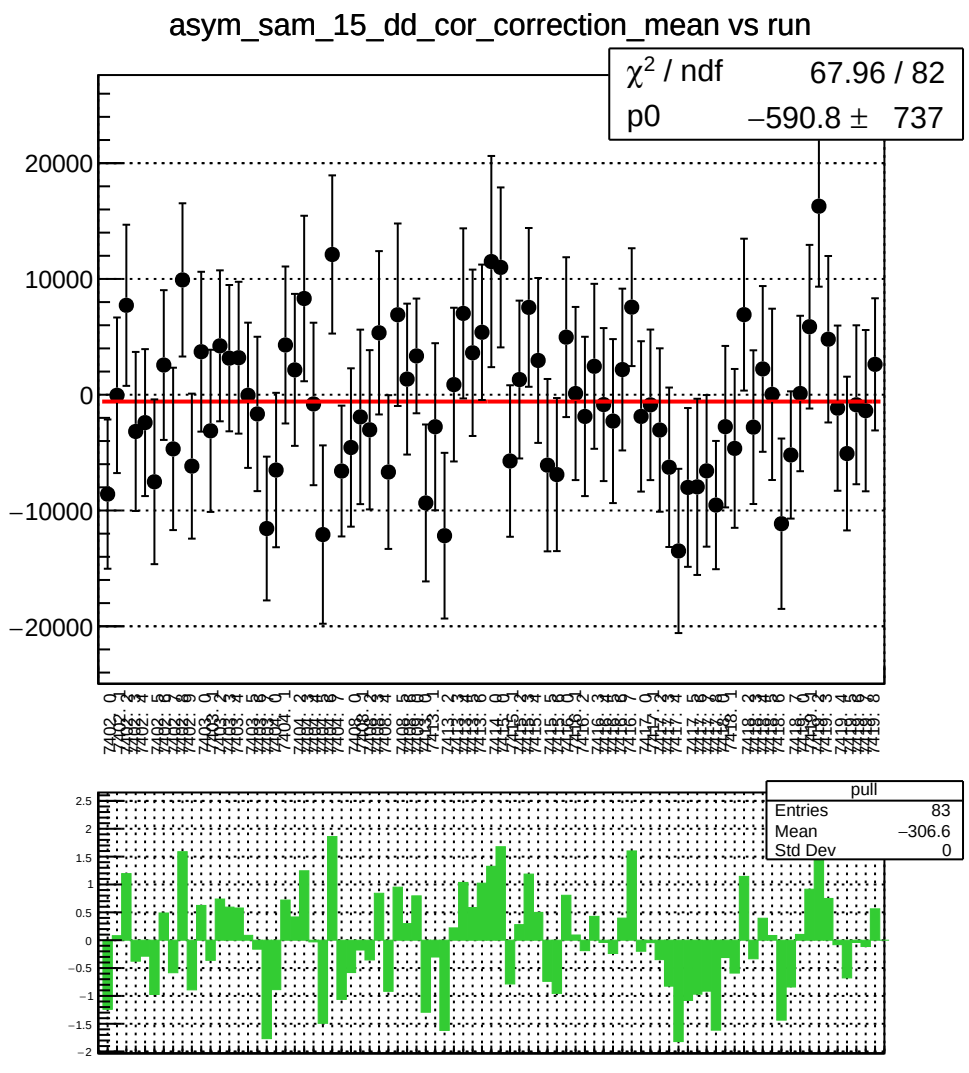

pull1D
Entries 83
Mean 0.001431
Std Dev 0.9049
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

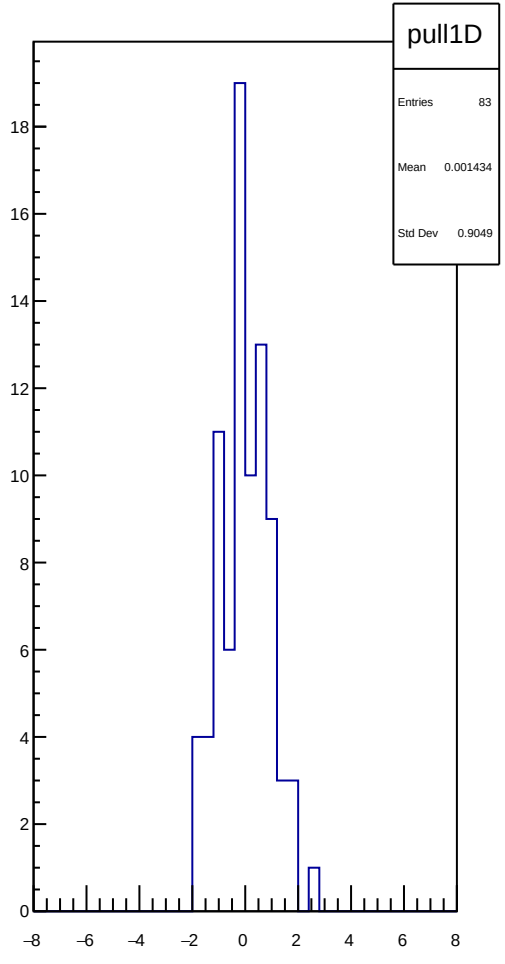

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 3421 / 82
p0 654 ± 0.5211
760
740
720
700
680
660
640
620
600
580

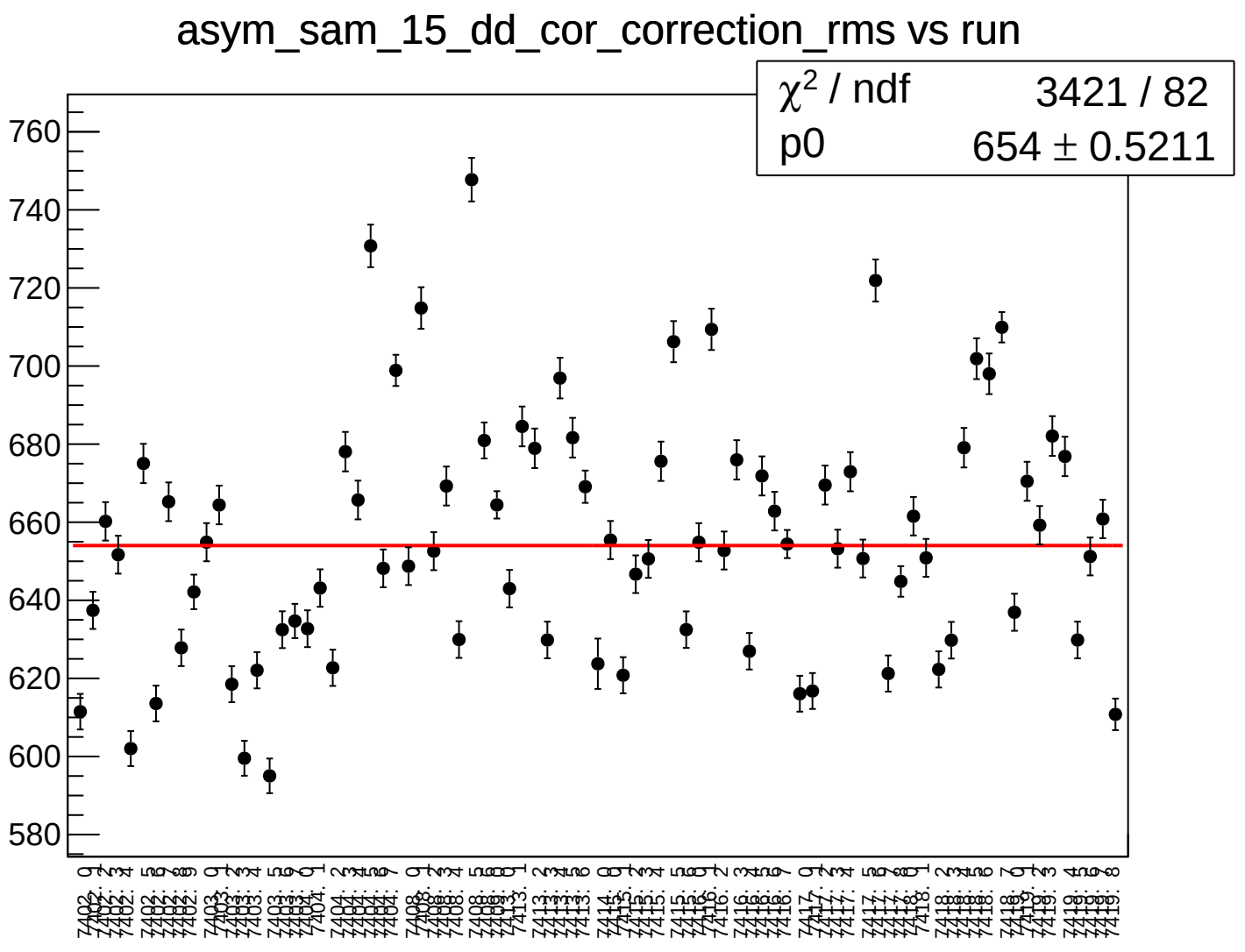

cor_asym_sam_15_dd_mean vs run
χ² / ndf 61.01 / 82
p0 −43.6 ± 143.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 299.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

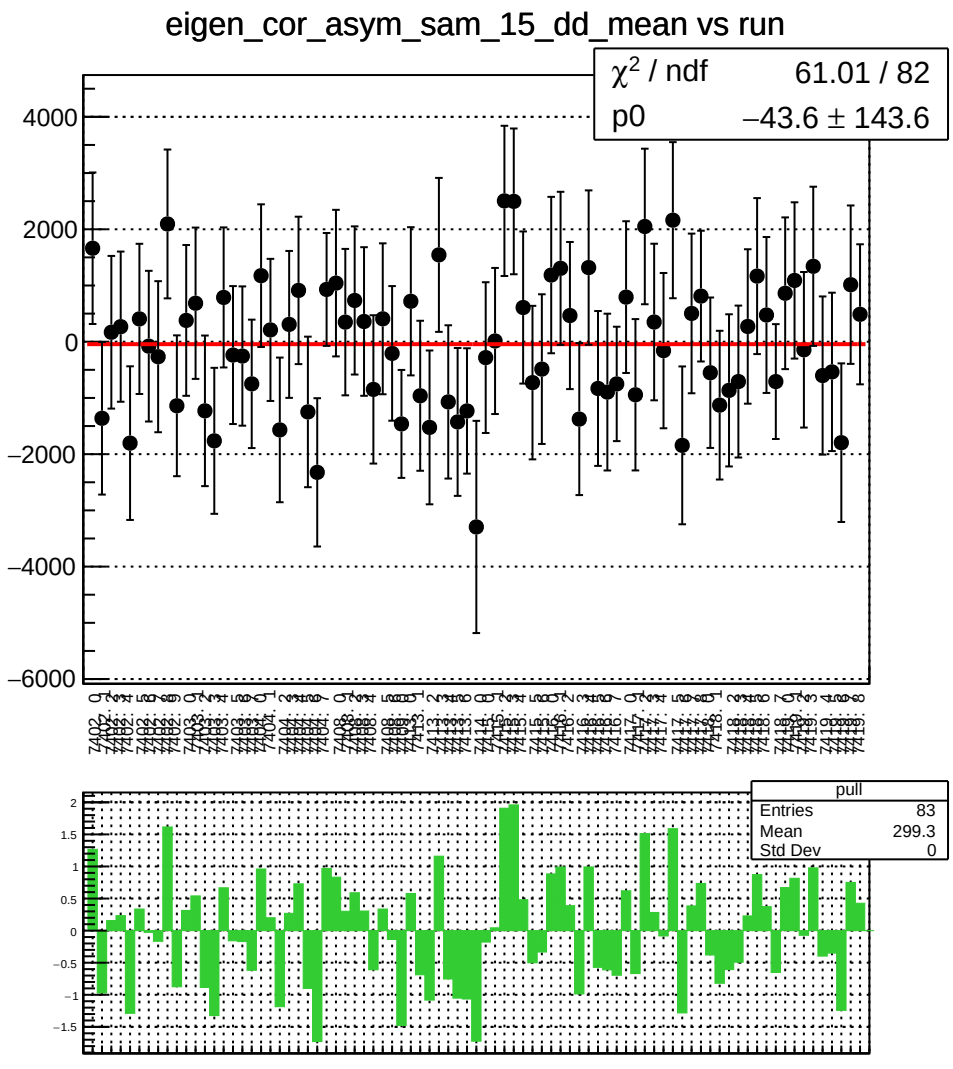

pull1D
Entries 83
Mean 0.005474
Std Dev 0.8574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

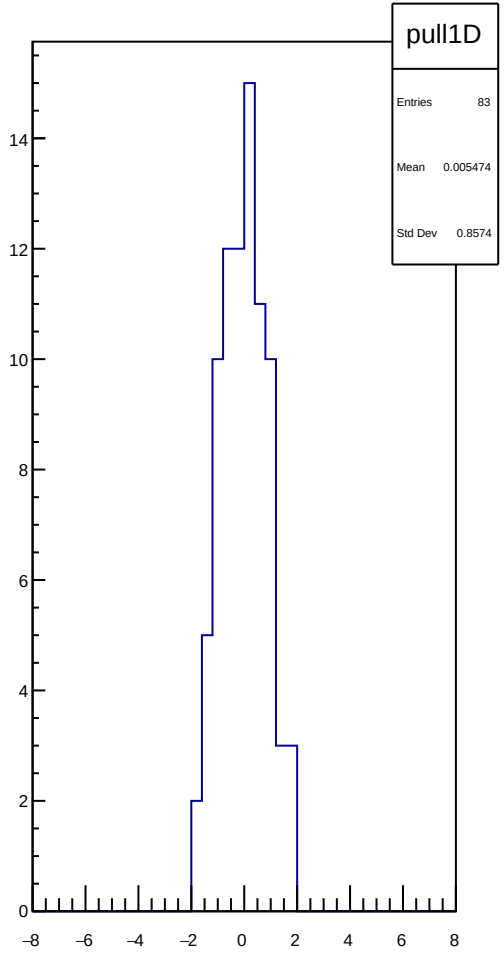

cor_asym_sam_15_dd_rms vs run
χ² / ndf 1706 / 82
p0 127.5 ± 0.1015
135
130
125
120
115

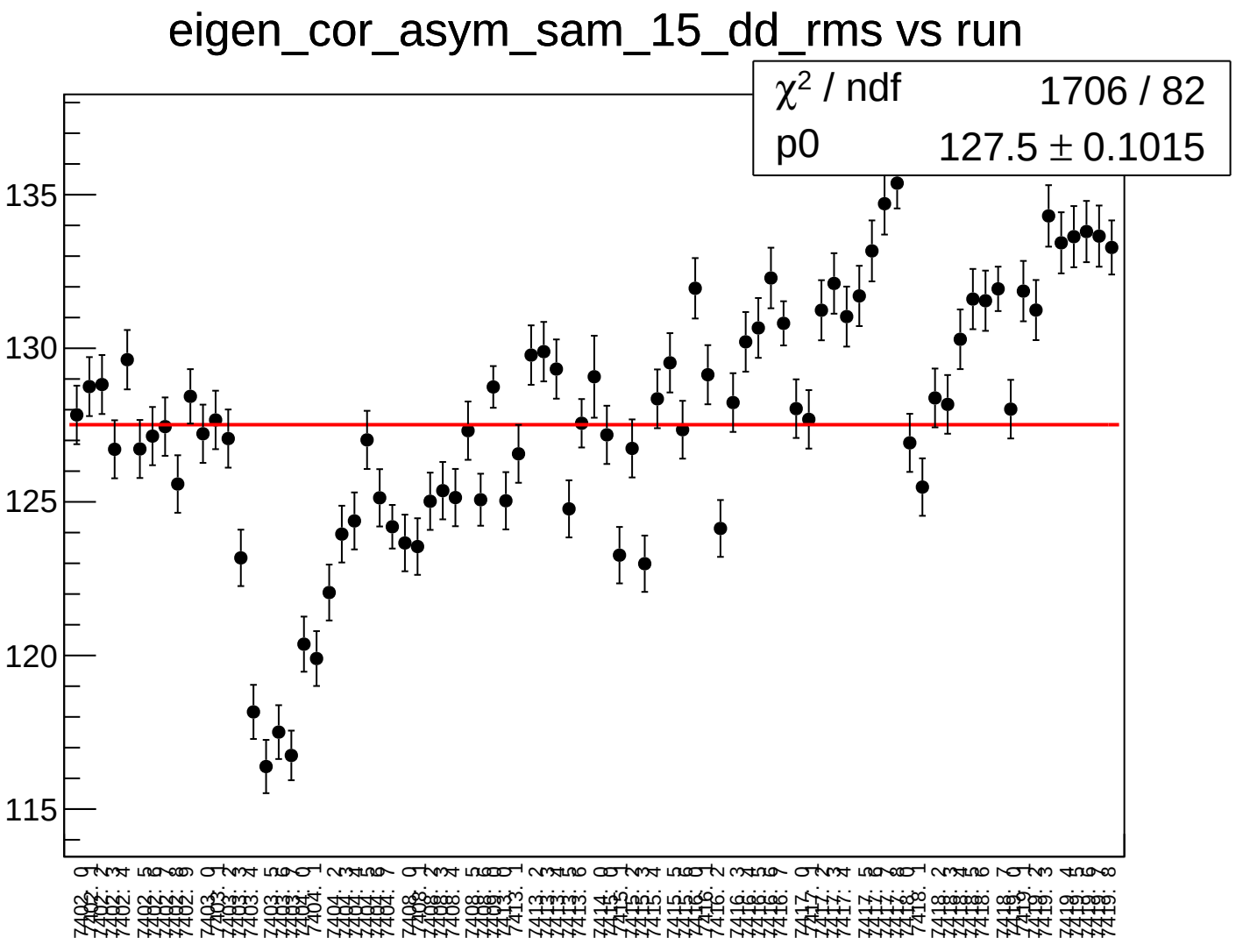

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 67.96 / 82
p0 −590.8 ± 737
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −306.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

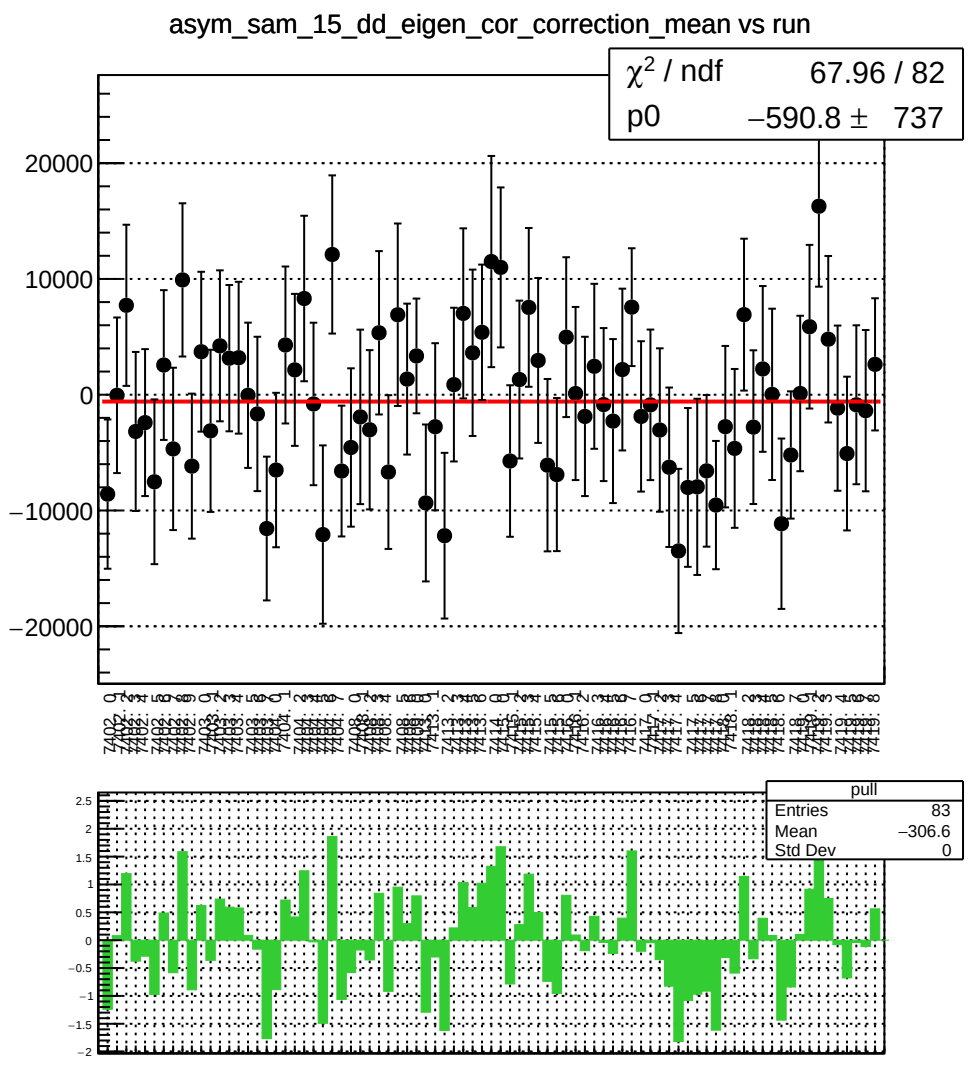

pull1D
Entries 83
Mean 0.001434
Std Dev 0.9049
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

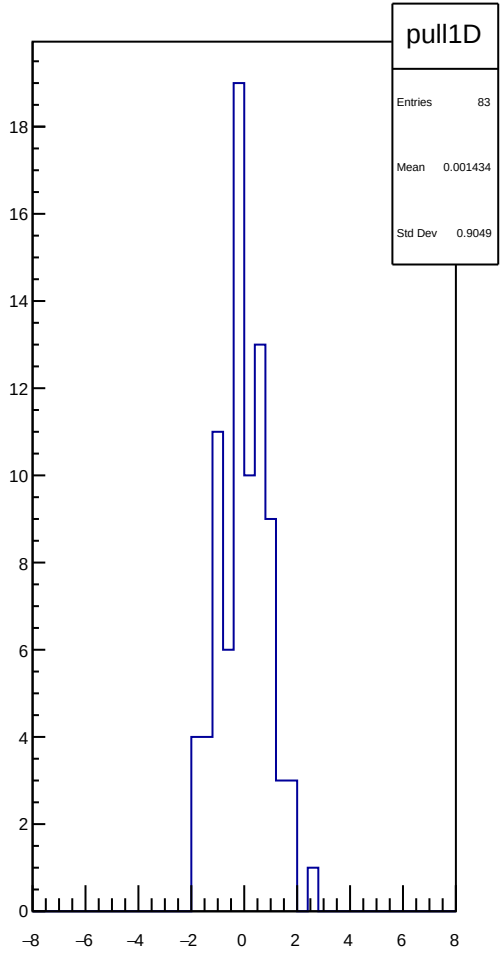

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 3421 / 82
p0 654 ± 0.5211
760
740
720
700
680
660
640
620
600
580

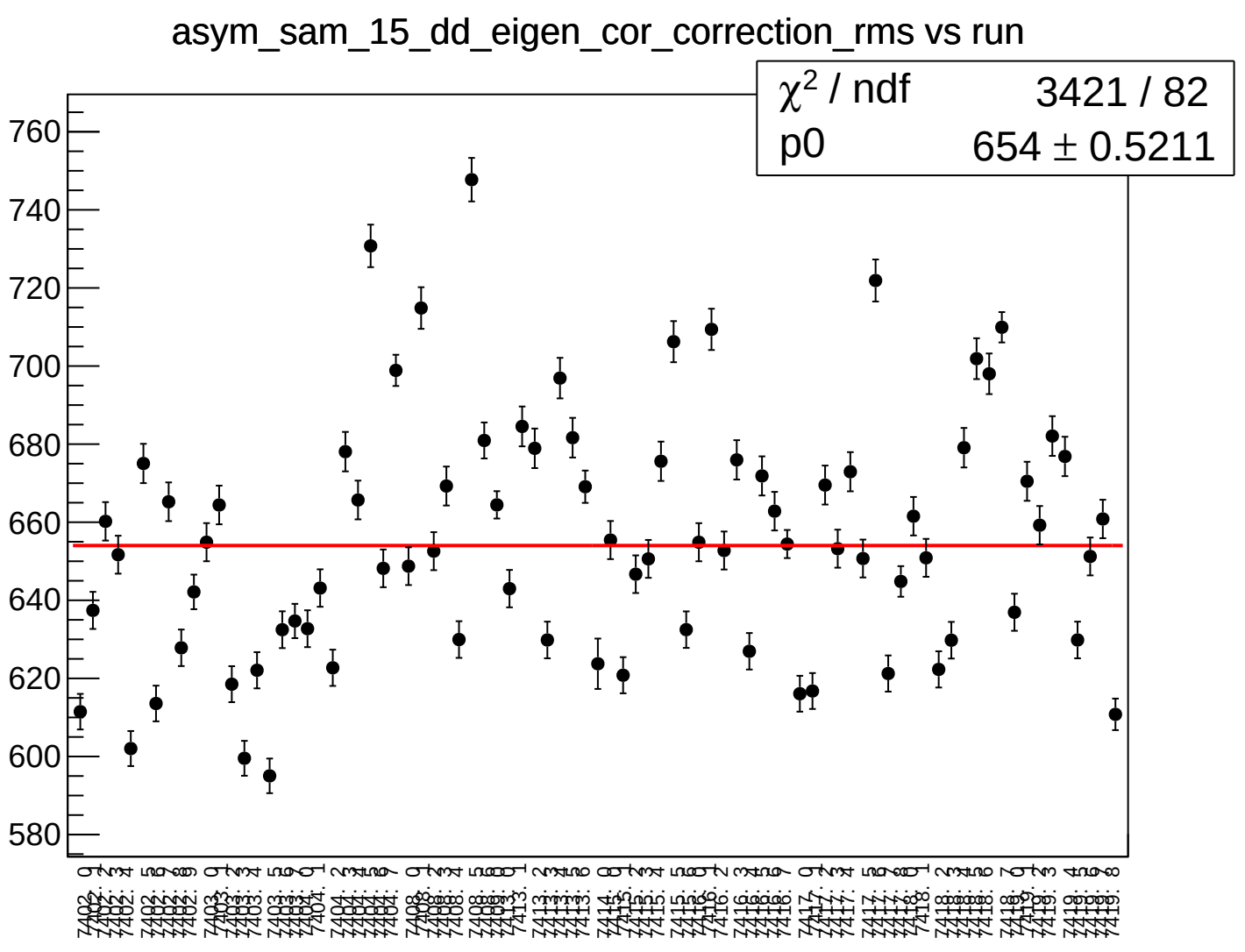

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 61.01 / 82
p0 −43.6 ± 143.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 299.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

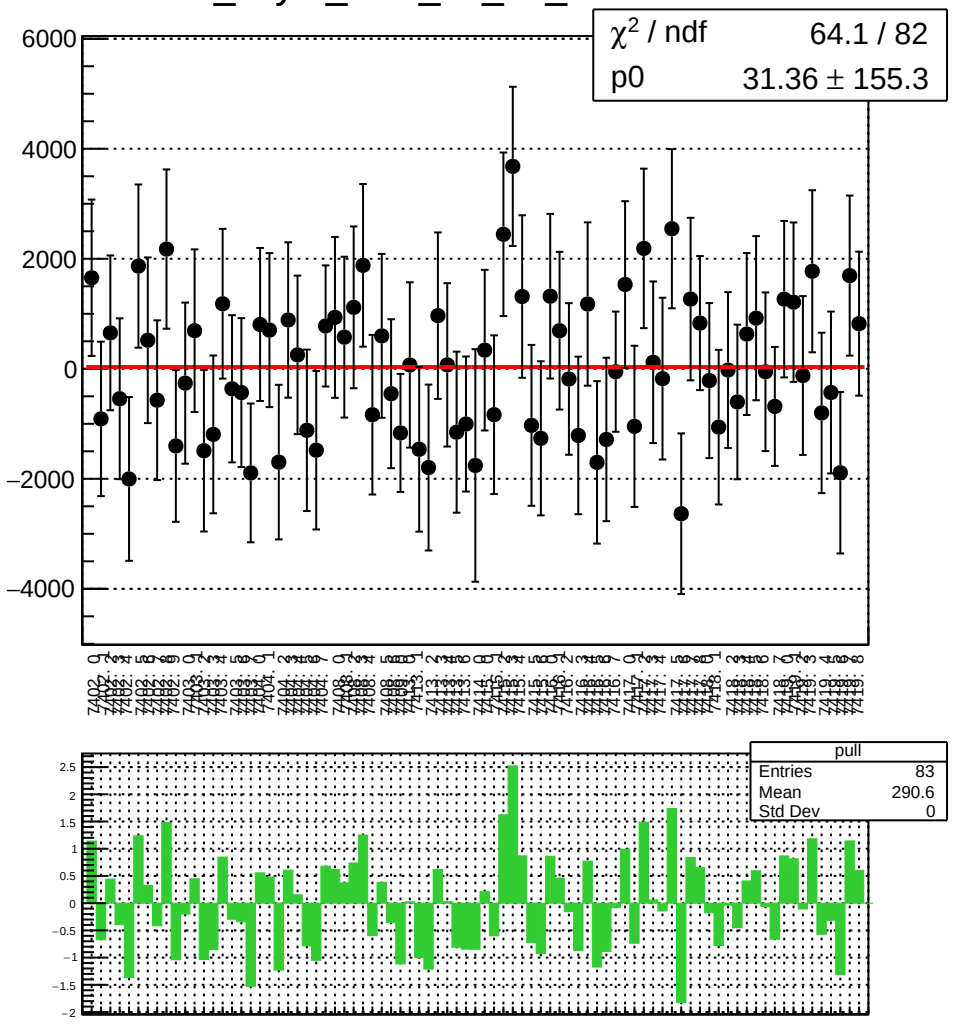

pull1D
Entries 83
Mean 0.005474
Std Dev 0.8574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

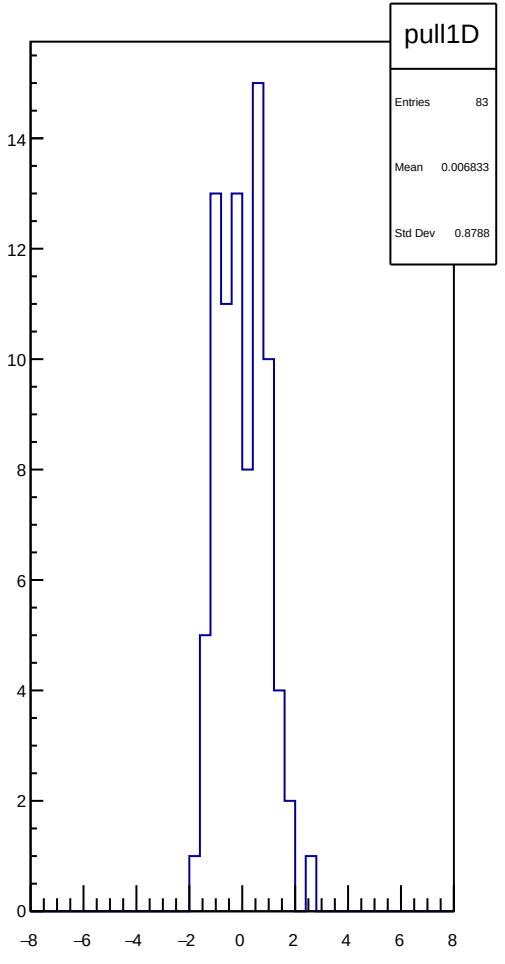

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 1706 / 82
p0 127.5 ± 0.1015
135
130
125
120
115

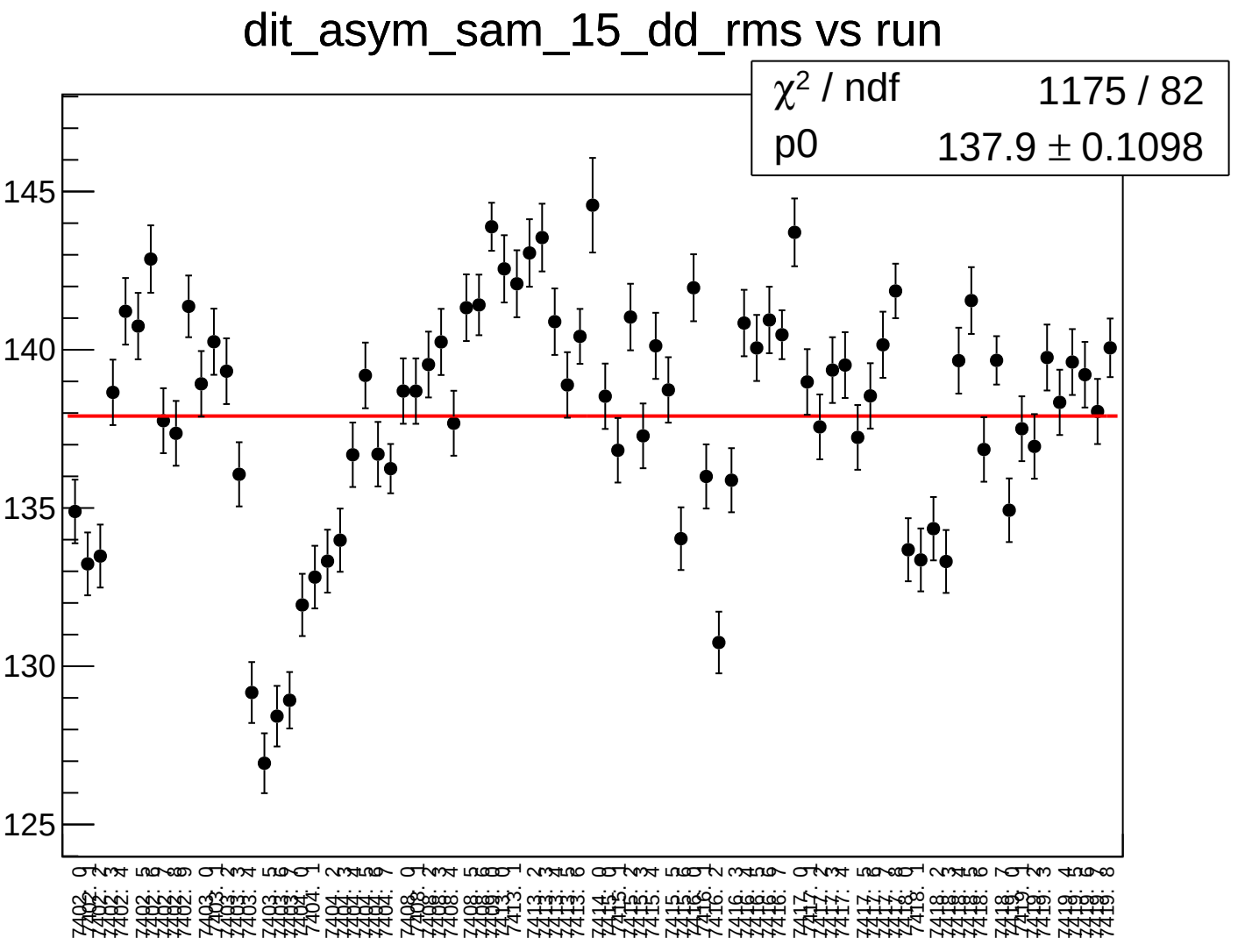

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.96 / 82
p0 −590.8 ± 737
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −306.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

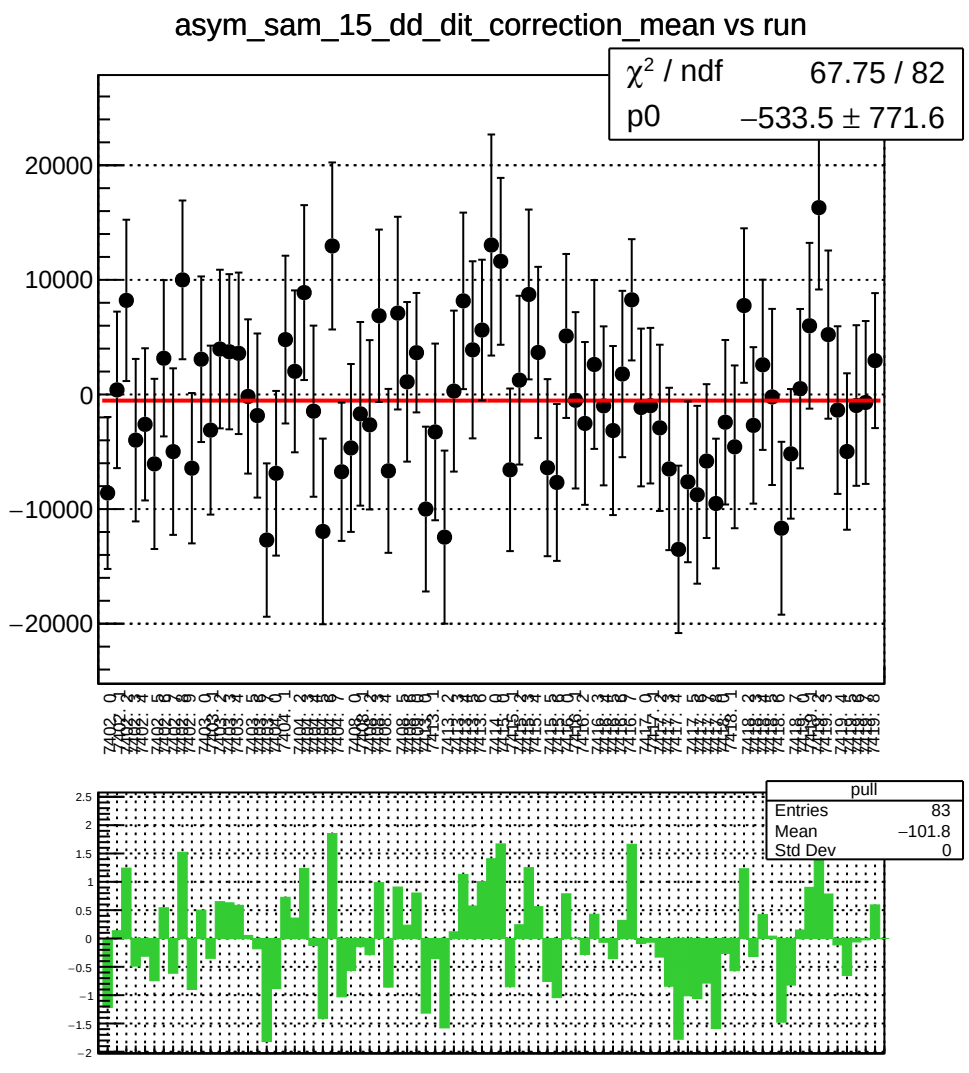

pull1D
Entries 83
Mean 0.001434
Std Dev 0.9049
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

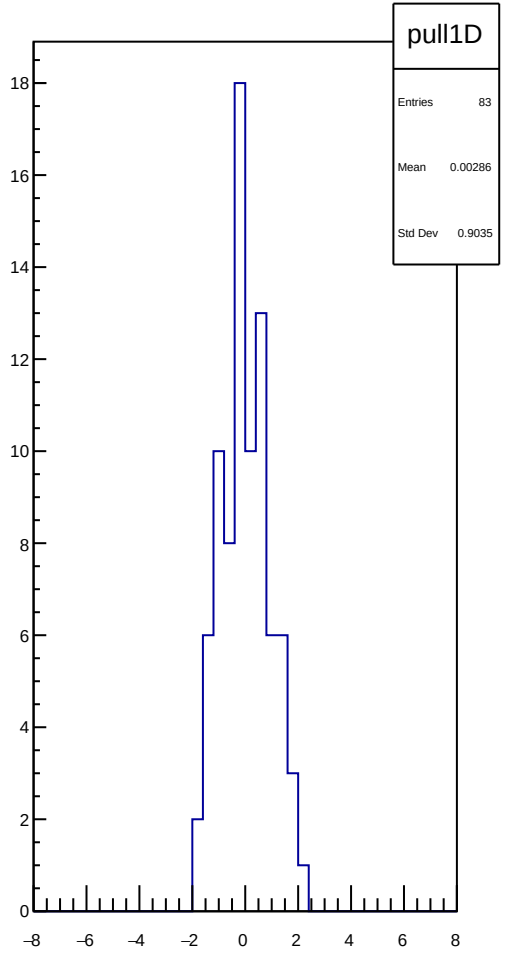

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 3421 / 82
p0 654 ± 0.5211
760
740
720
700
680
660
640
620
600
580

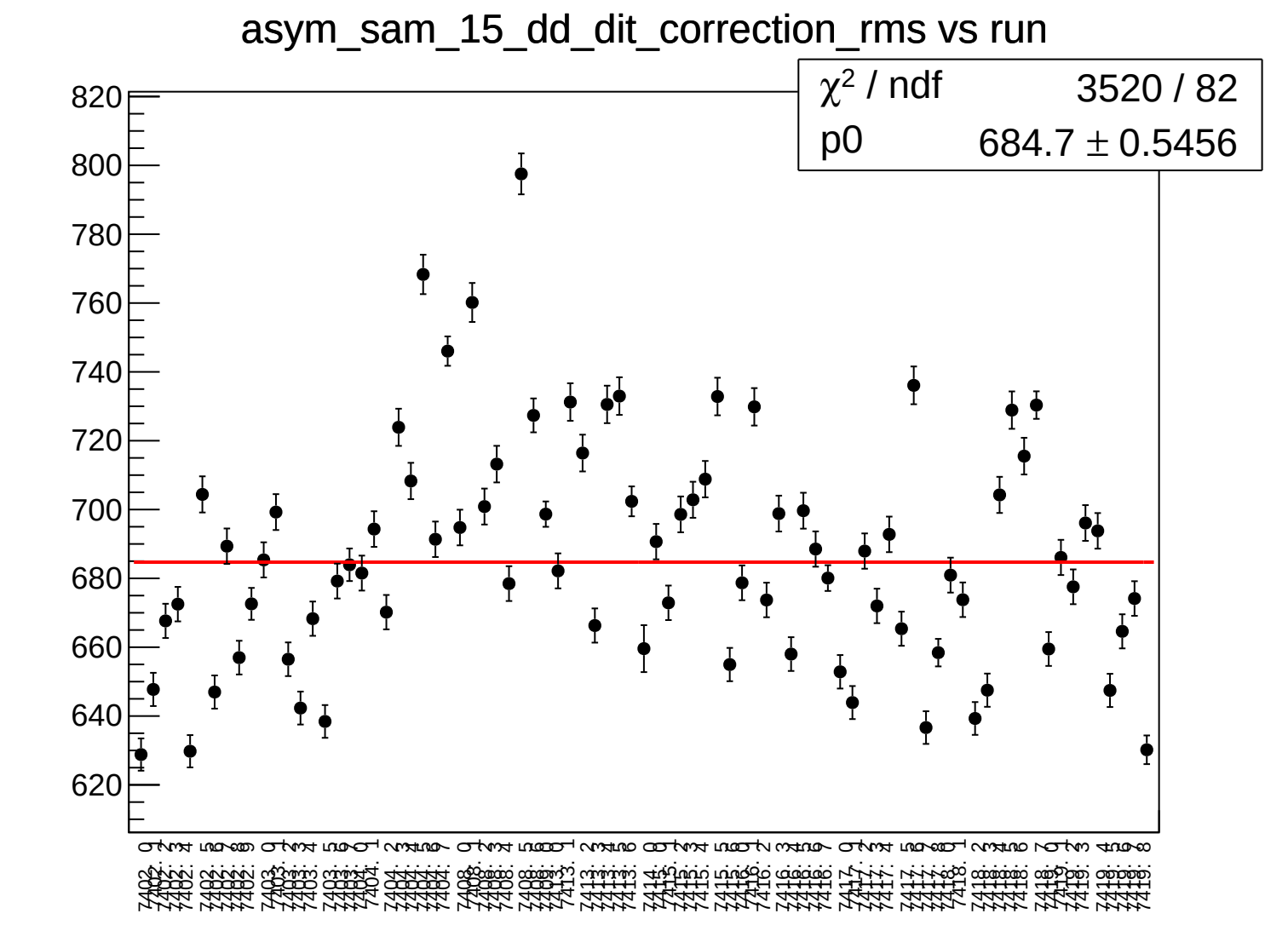

dit_asym_sam_15_dd_mean vs run
χ² / ndf 64.1 / 82
p0 31.36 ± 155.3
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 290.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

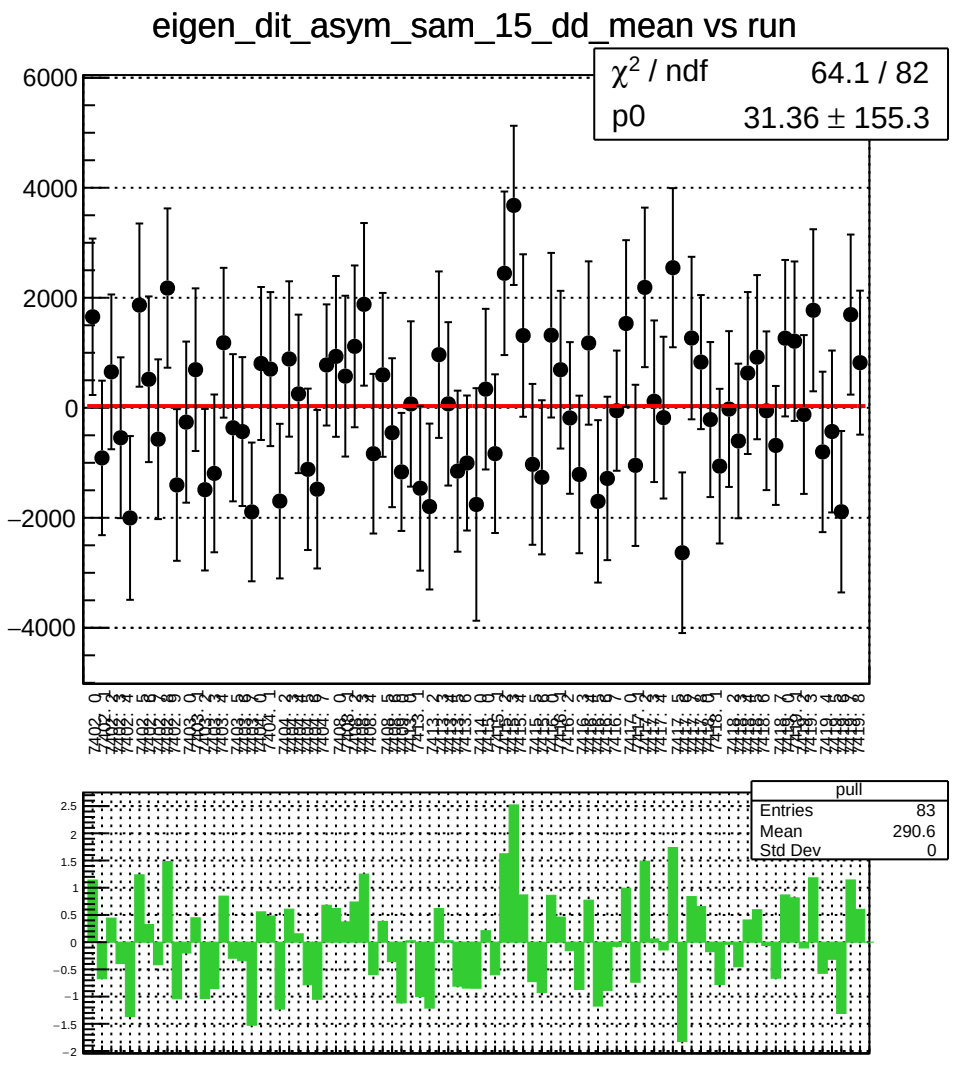

pull1D
Entries 83
Mean 0.006833
Std Dev 0.8788
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

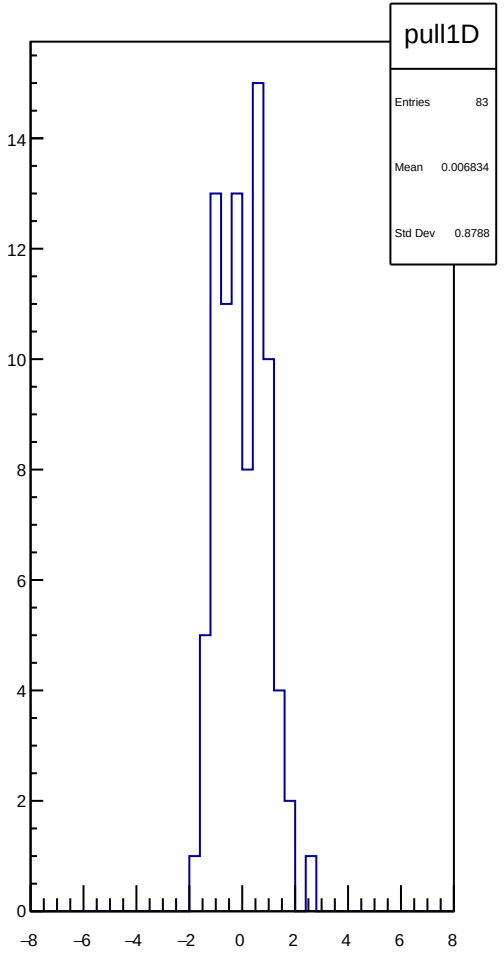

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1175 / 82
p0 137.9 ± 0.1098
145
140
135
130
125

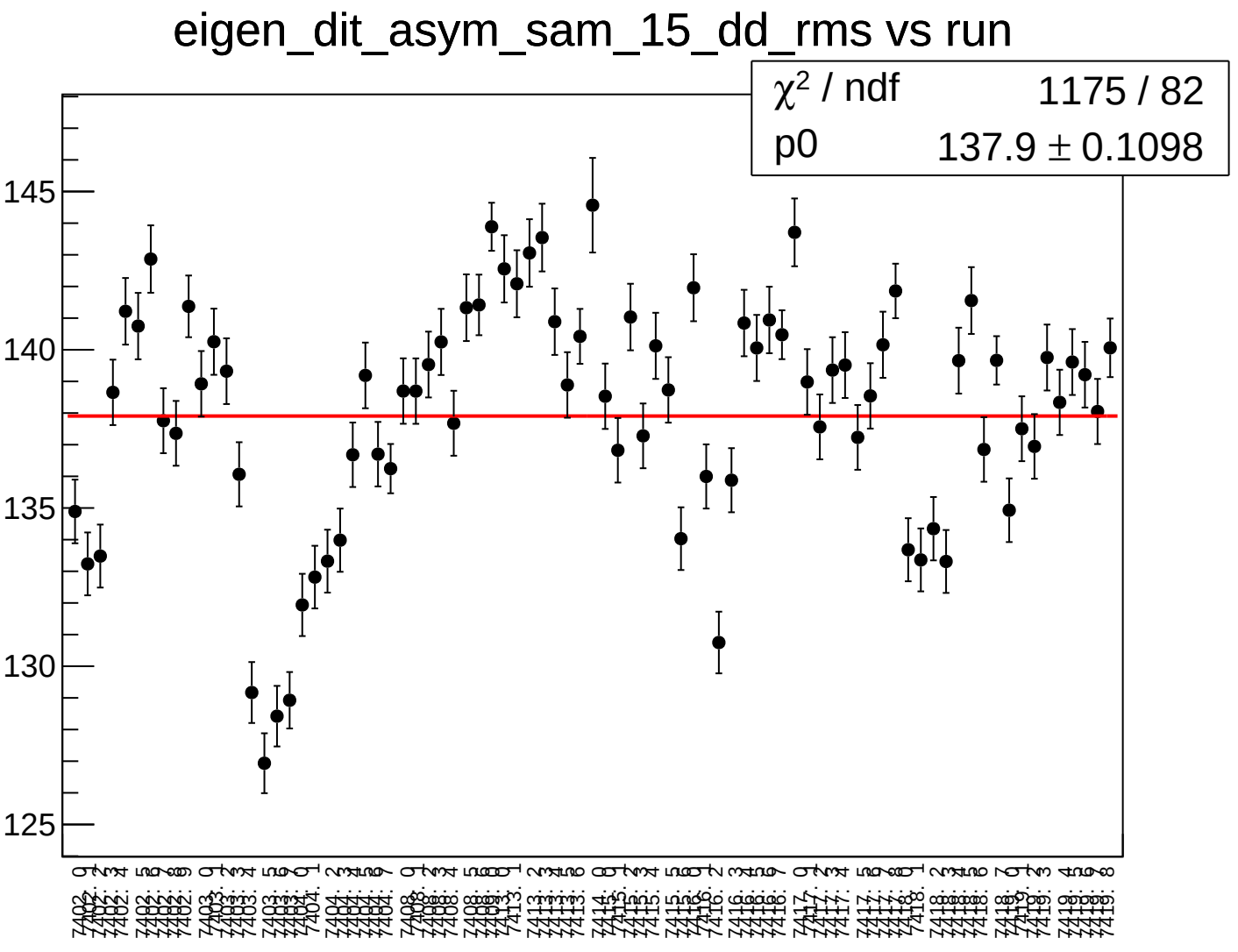

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 67.75 / 82
p0 −533.5 ± 771.6
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −101.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

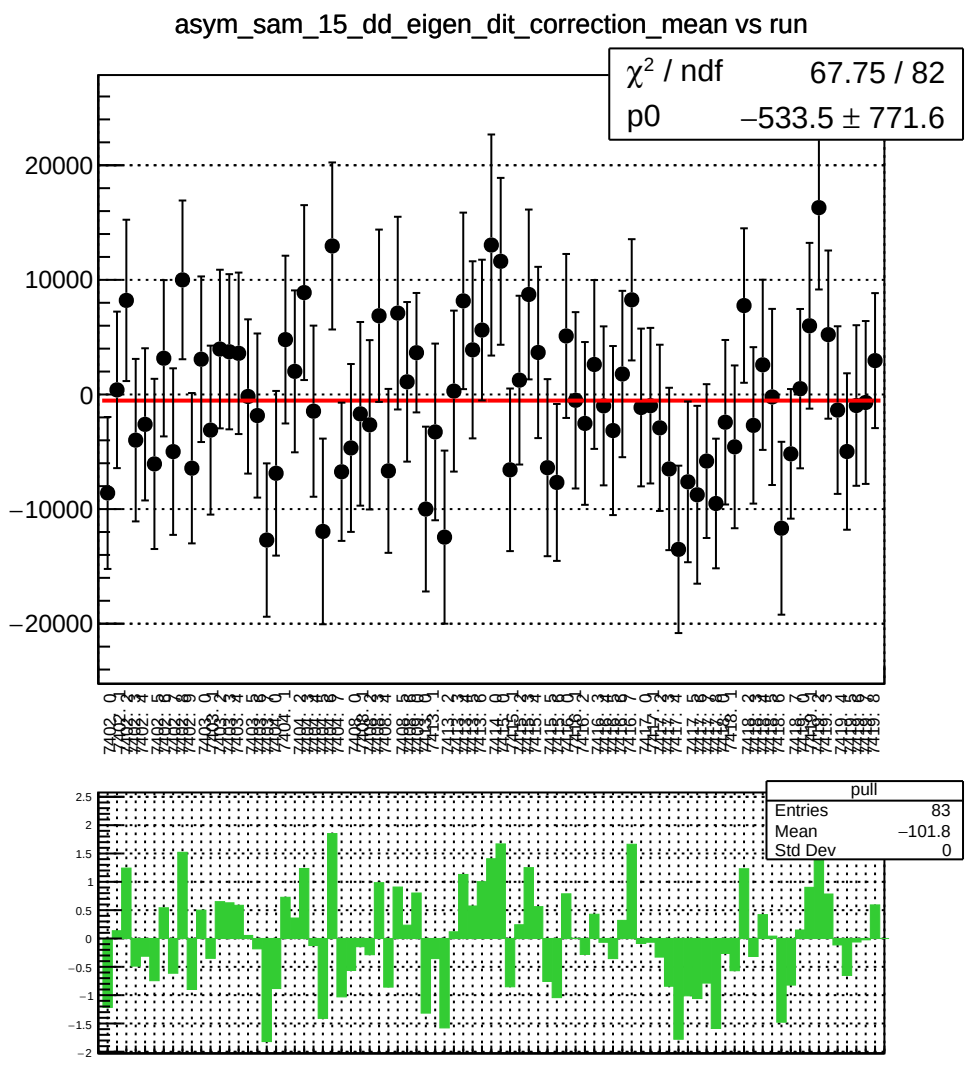

pull1D
Entries 83
Mean 0.00286
Std Dev 0.9035
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

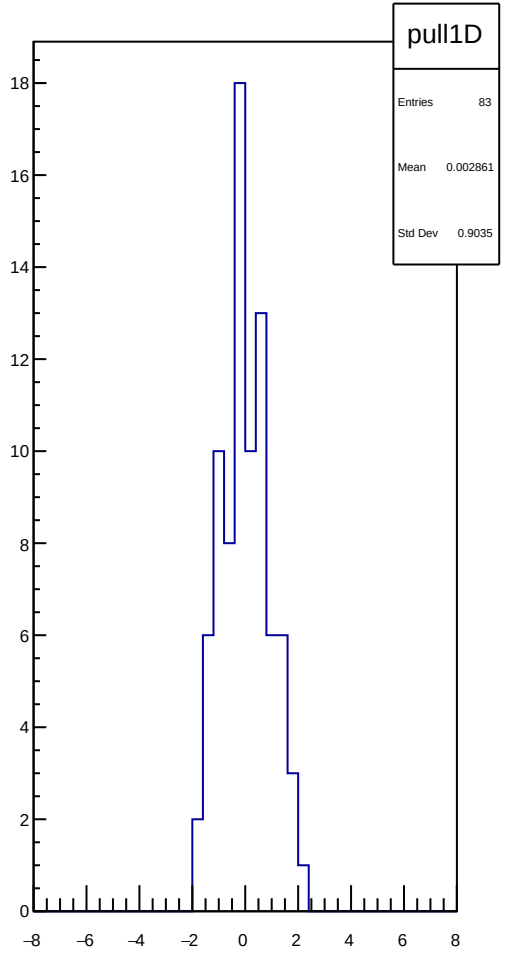

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 3520 / 82
p0 684.7 ± 0.5456
820
800
780
760
740
720
700
680
660
640
620

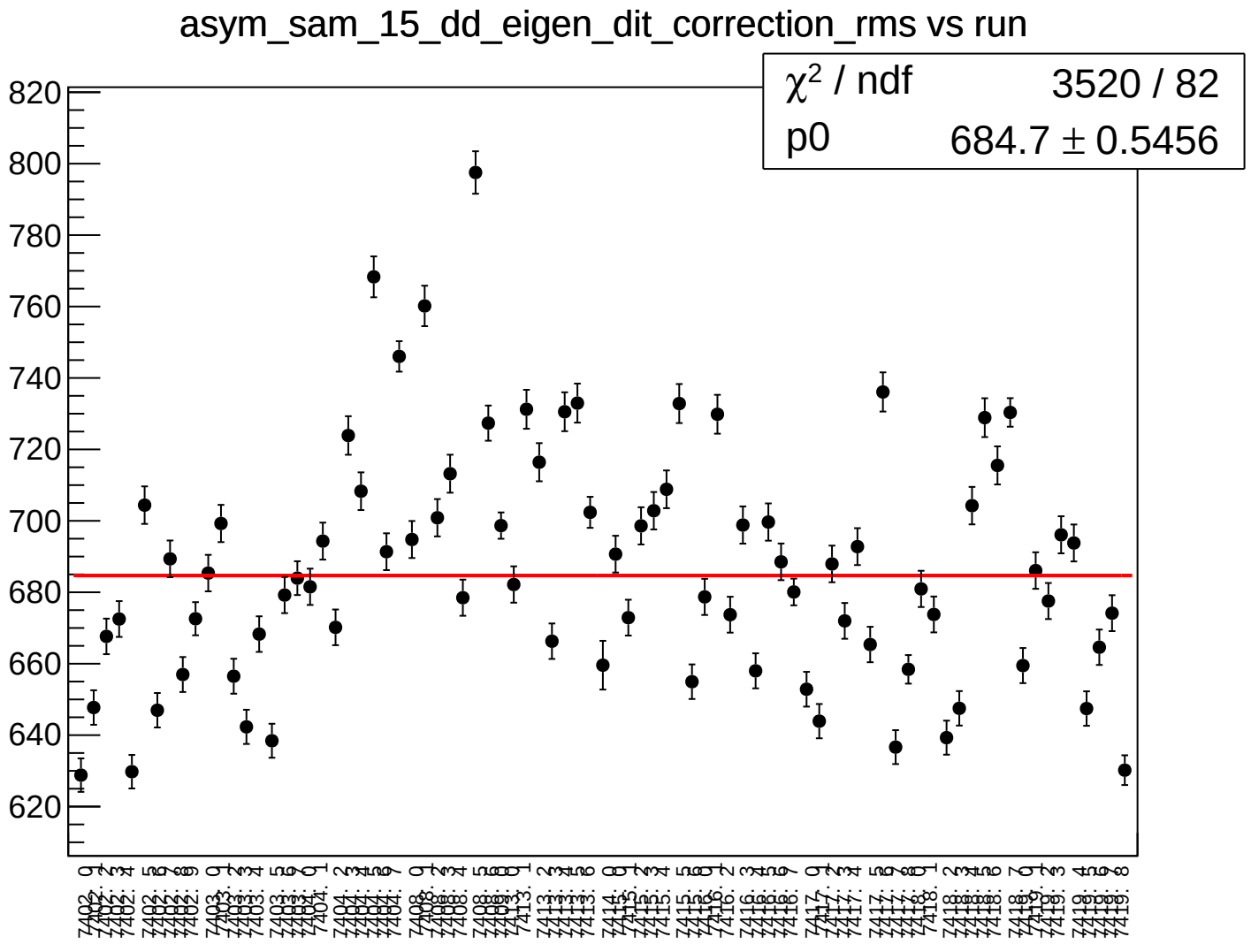

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 64.1 / 82
p0 31.36 ± 155.3
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 290.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

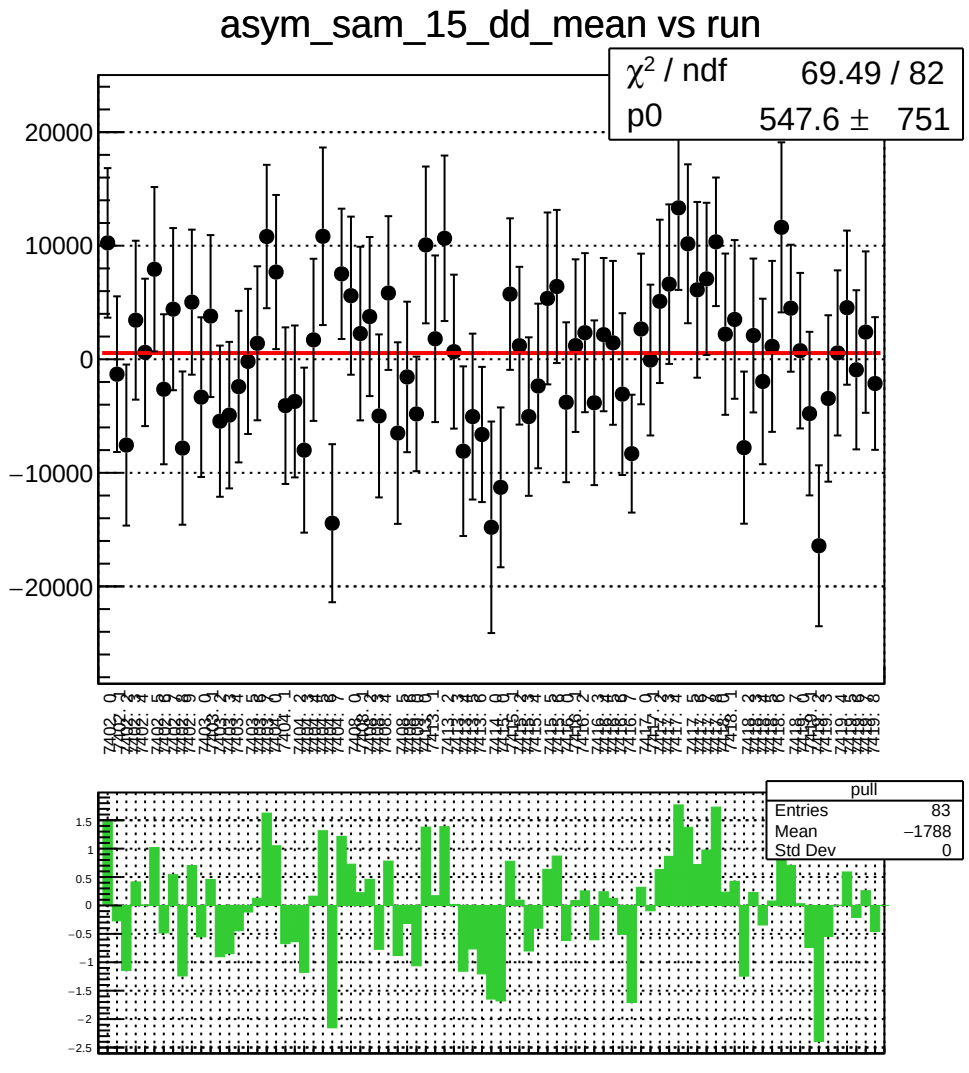

pull1D
Entries 83
Mean 0.006834
Std Dev 0.8788
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

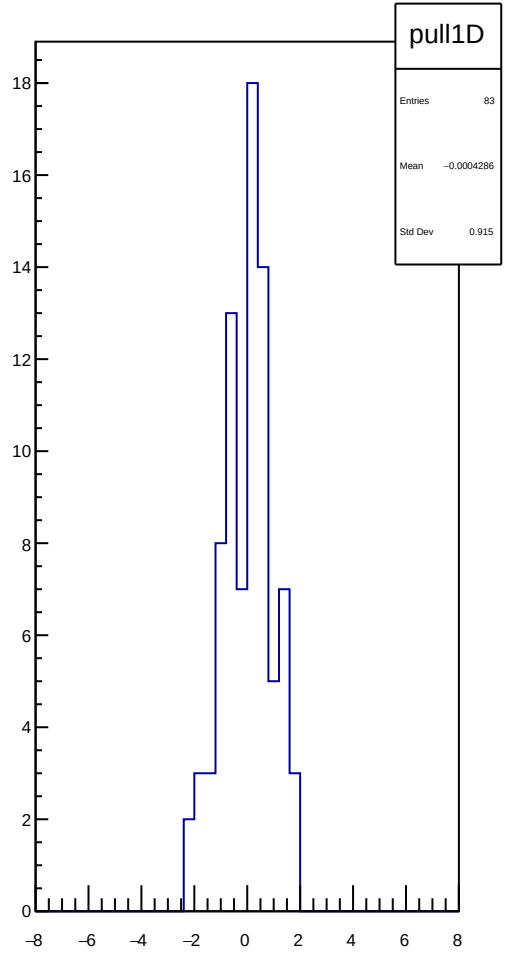

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 1175 / 82
p0 137.9 ± 0.1098
145
140
135
130
125

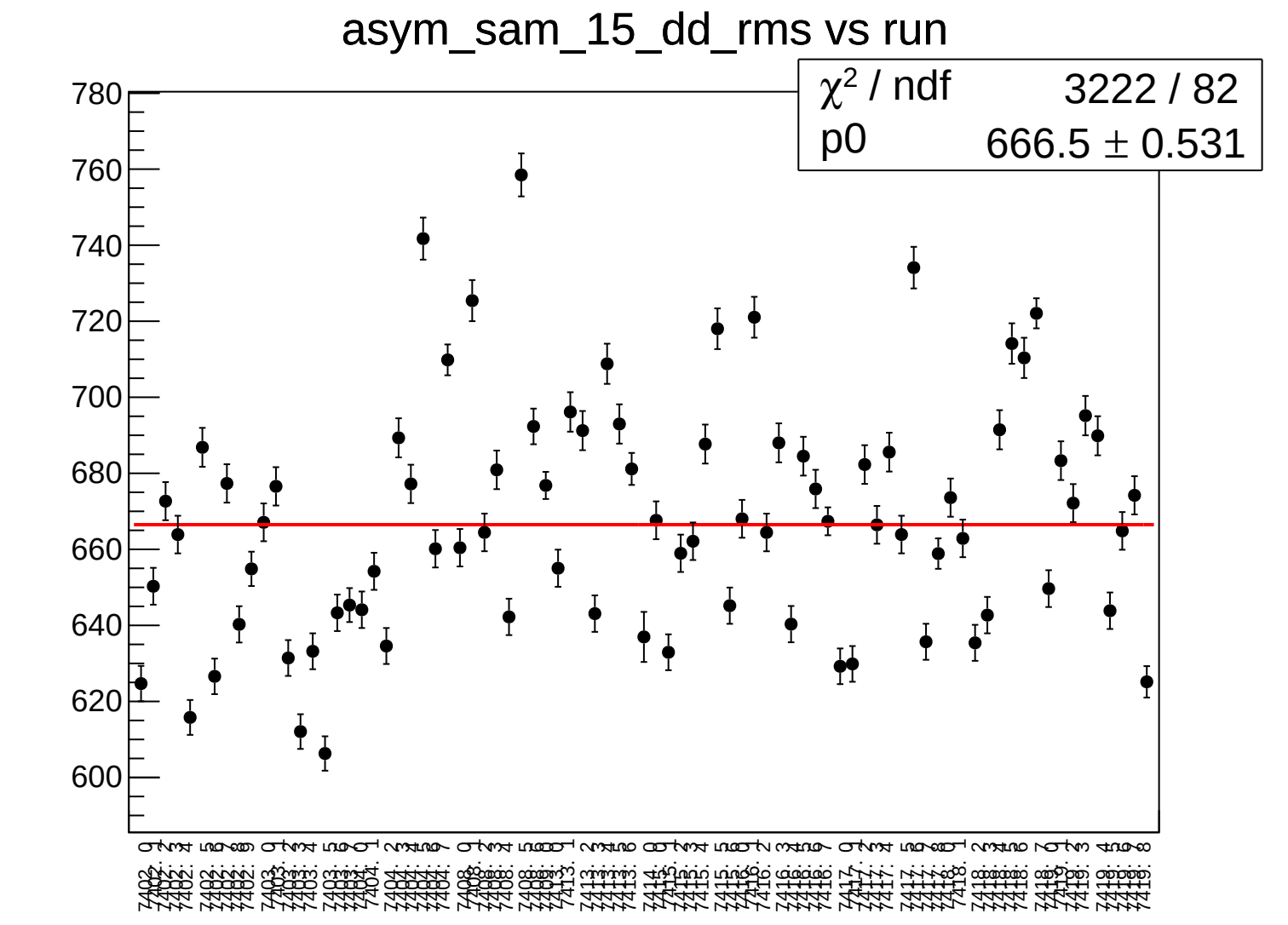

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.75 / 82
p0 −533.5 ± 771.6
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −101.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

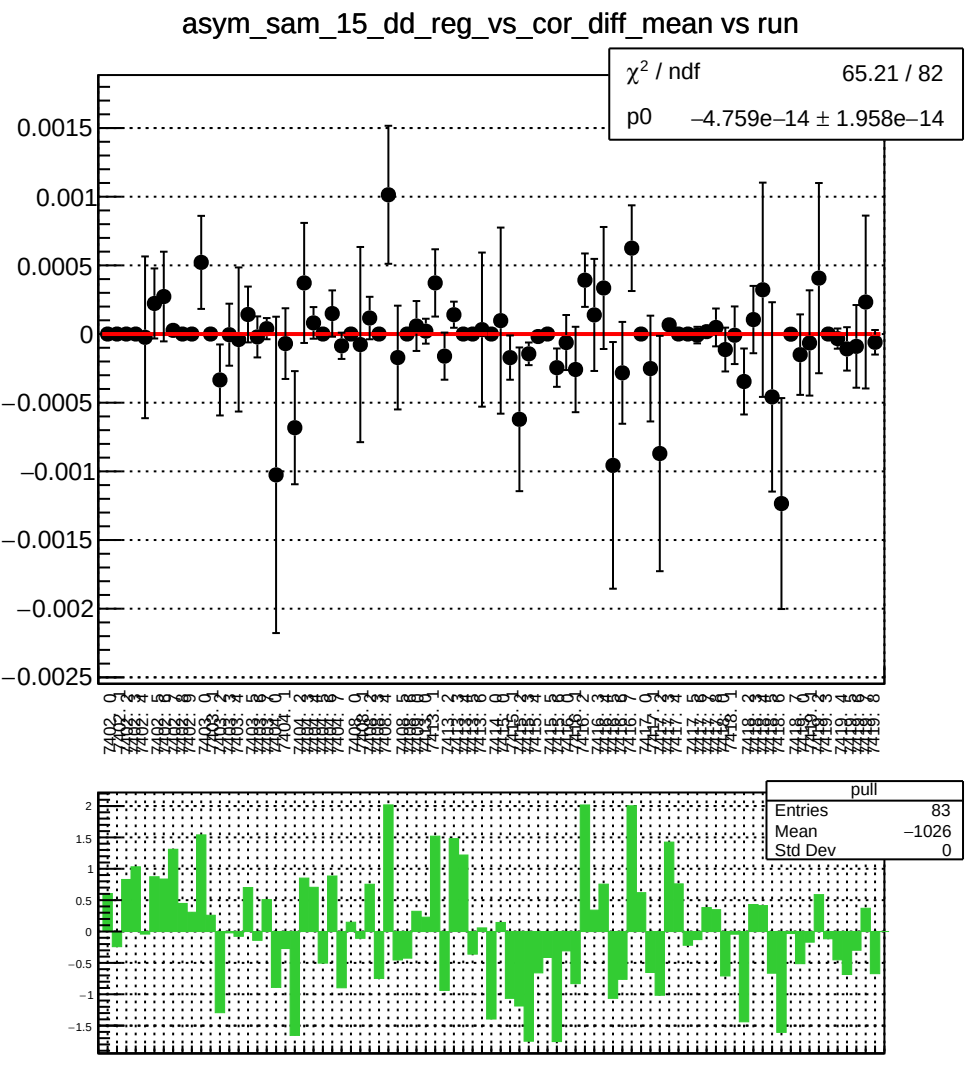

pull1D
Entries 83
Mean 0.002861
Std Dev 0.9035
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

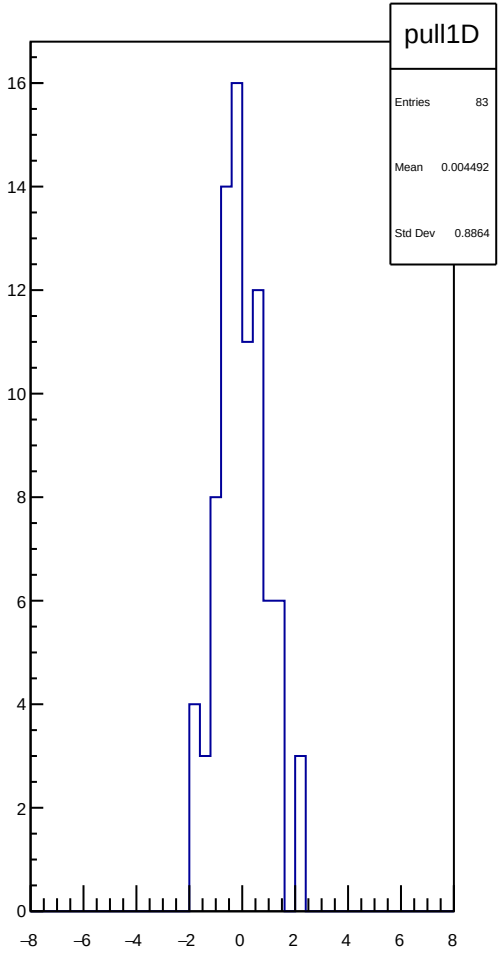

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 3520 / 82
p0 684.7 ± 0.5456
820
800
780
760
740
720
700
680
660
640
620

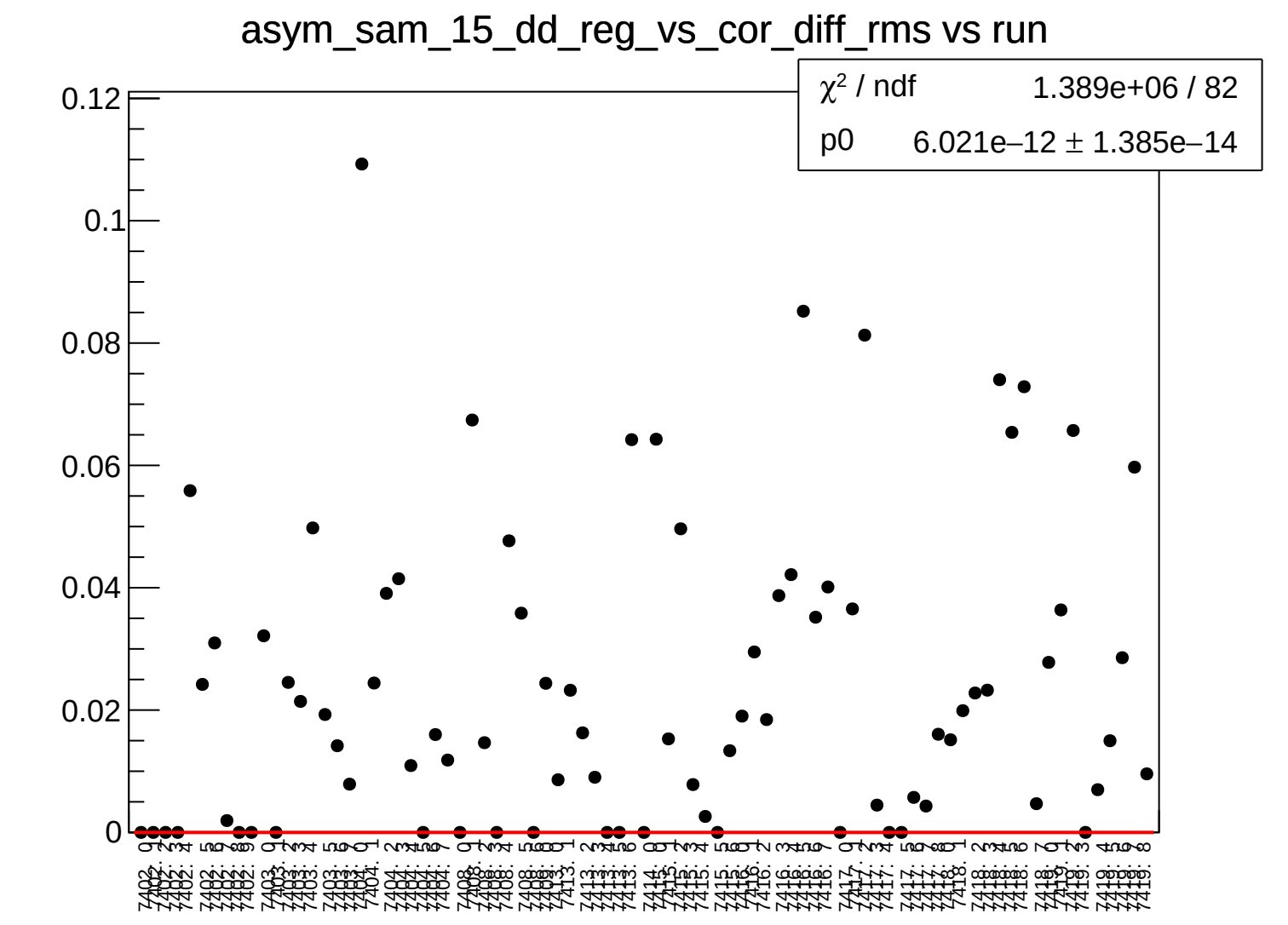

asym_sam_15_dd_mean vs run
χ² / ndf 69.49 / 82
p0 547.6 ± 751
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −1788
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

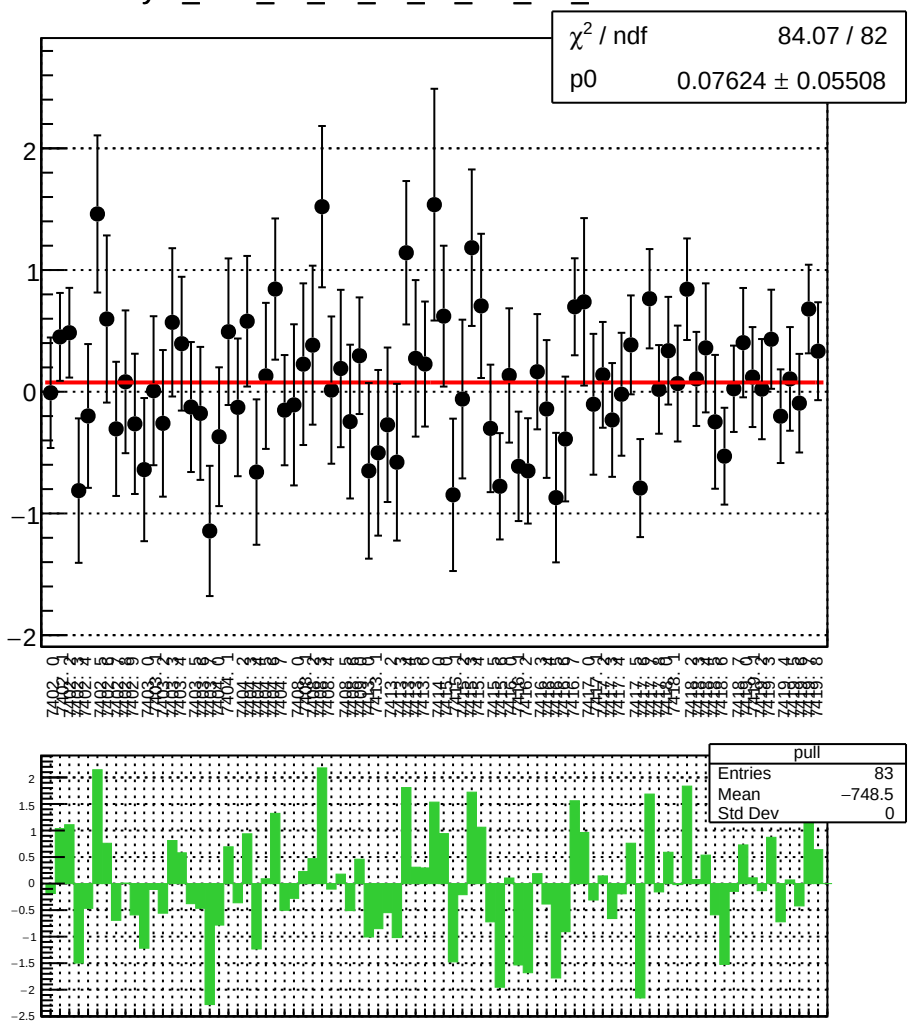

pull1D
Entries 83
Mean −0.0004286
Std Dev 0.915
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

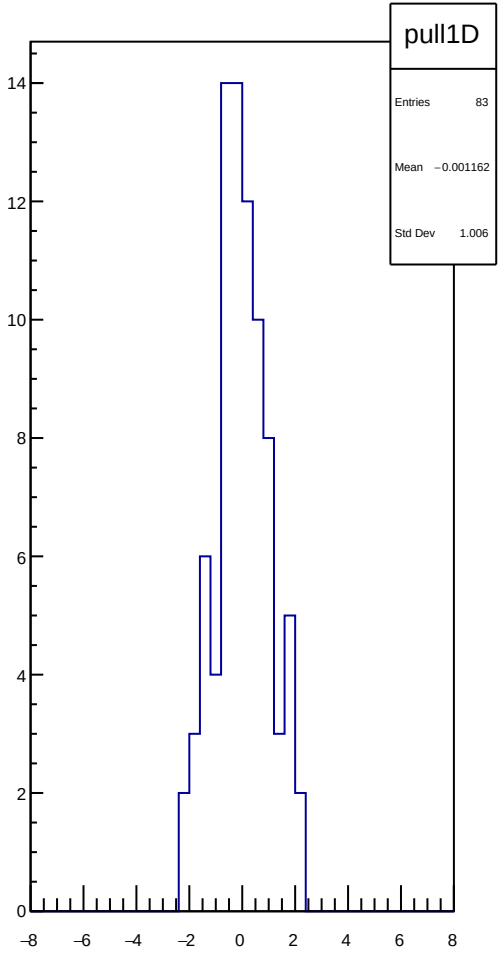

asym_sam_15_dd_rms vs run
χ^2 / ndf 3222 / 82
p0 666.5 ± 0.531
780
760
740
720
700
680
660
640
620
600

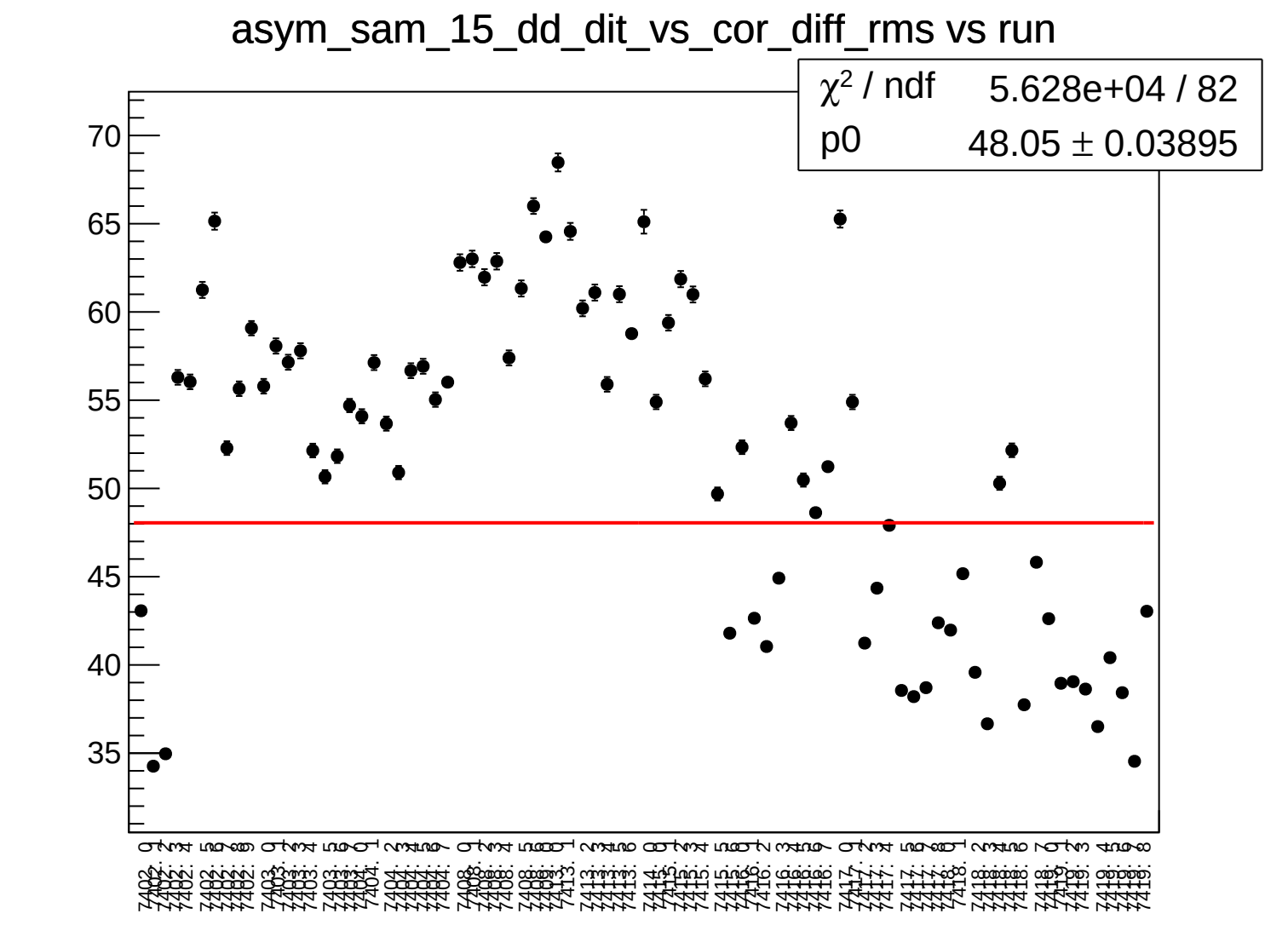

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.21 / 82
p0 −4.759e−14 ± 1.958e−14
pull
Entries 83
Mean −1026
Std Dev 0

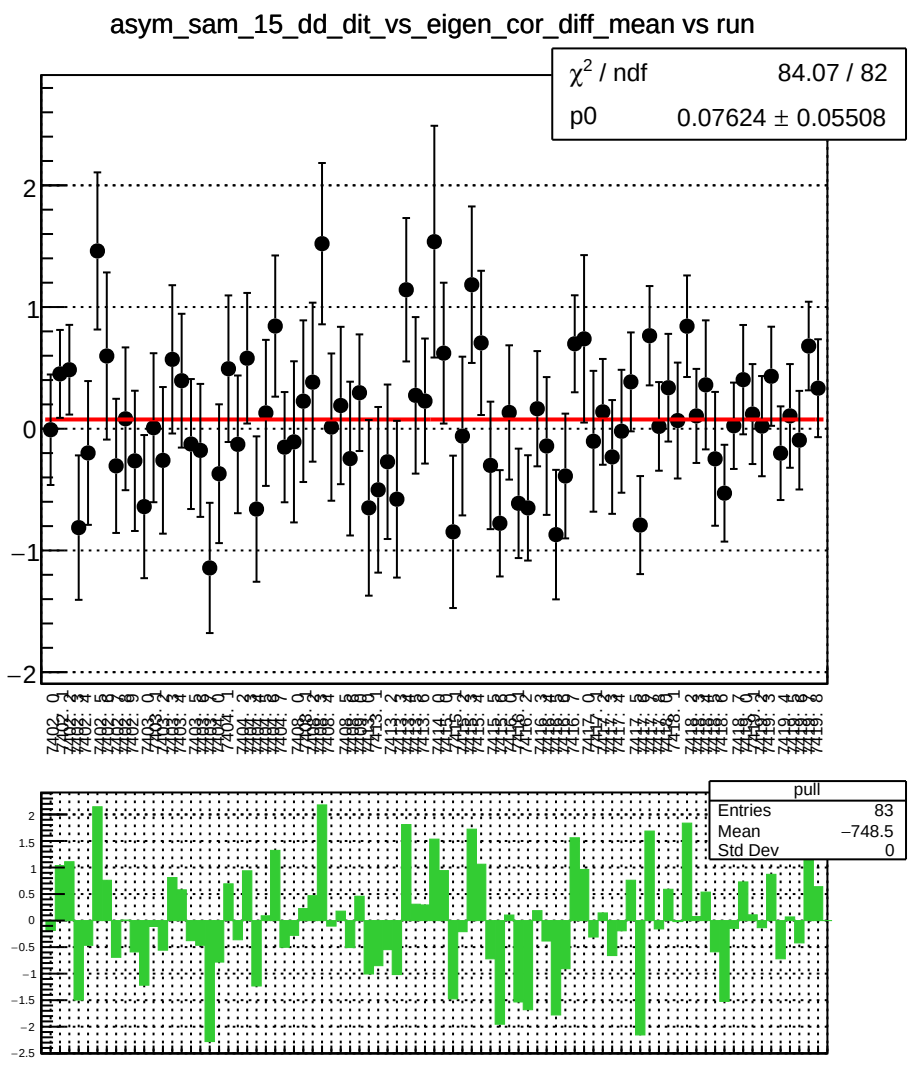

pull1D
Entries 83
Mean 0.004492
Std Dev 0.8864

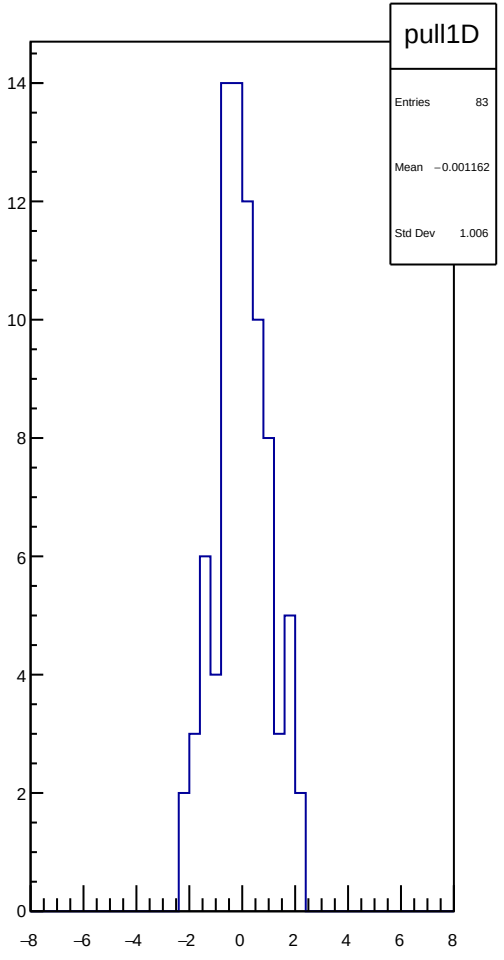

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.389e+06 / 82
p0 6.021e−12 ± 1.385e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

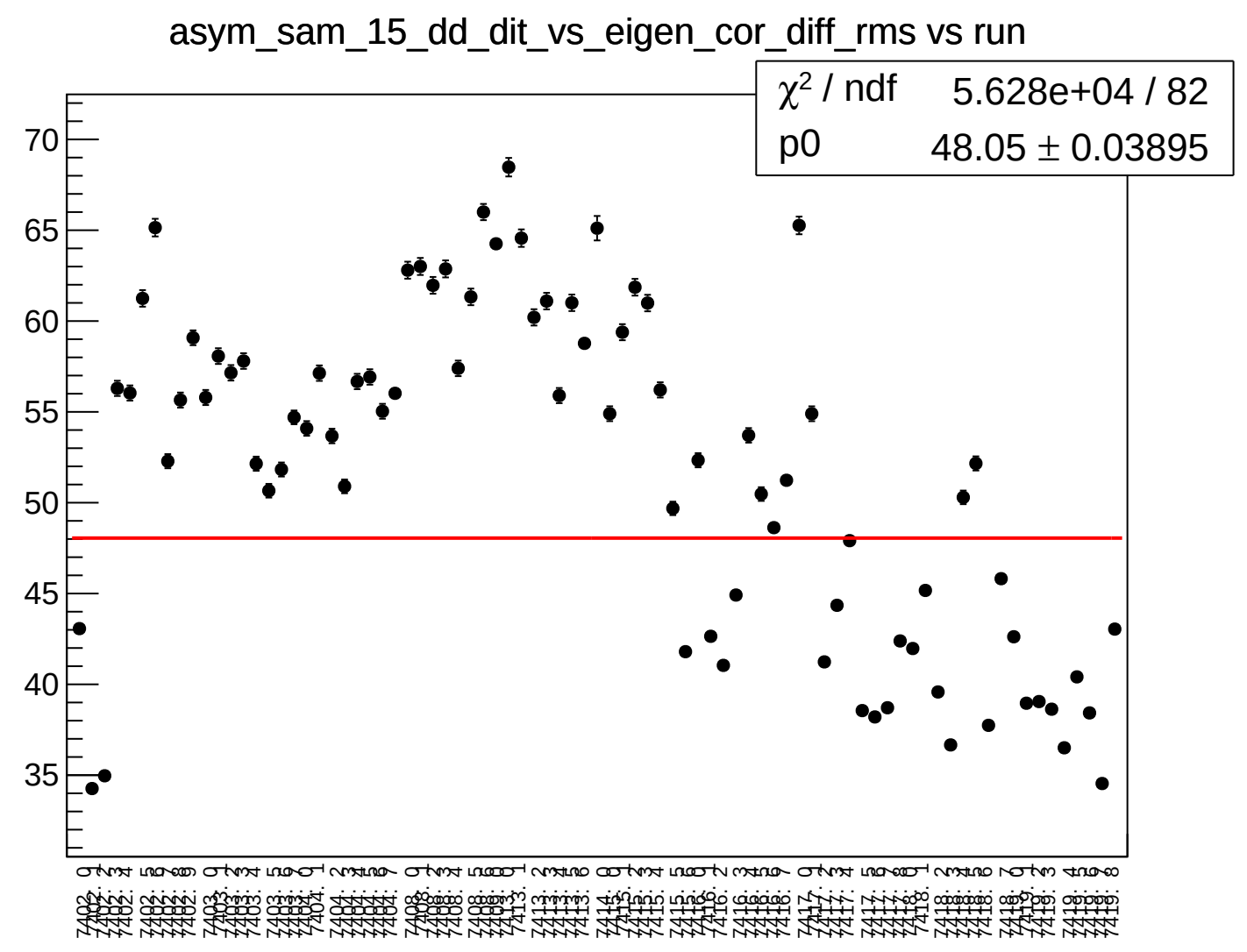

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 84.07 / 82
p0 0.07624 ± 0.05508
pull
Entries 83
Mean −748.5
Std Dev 0

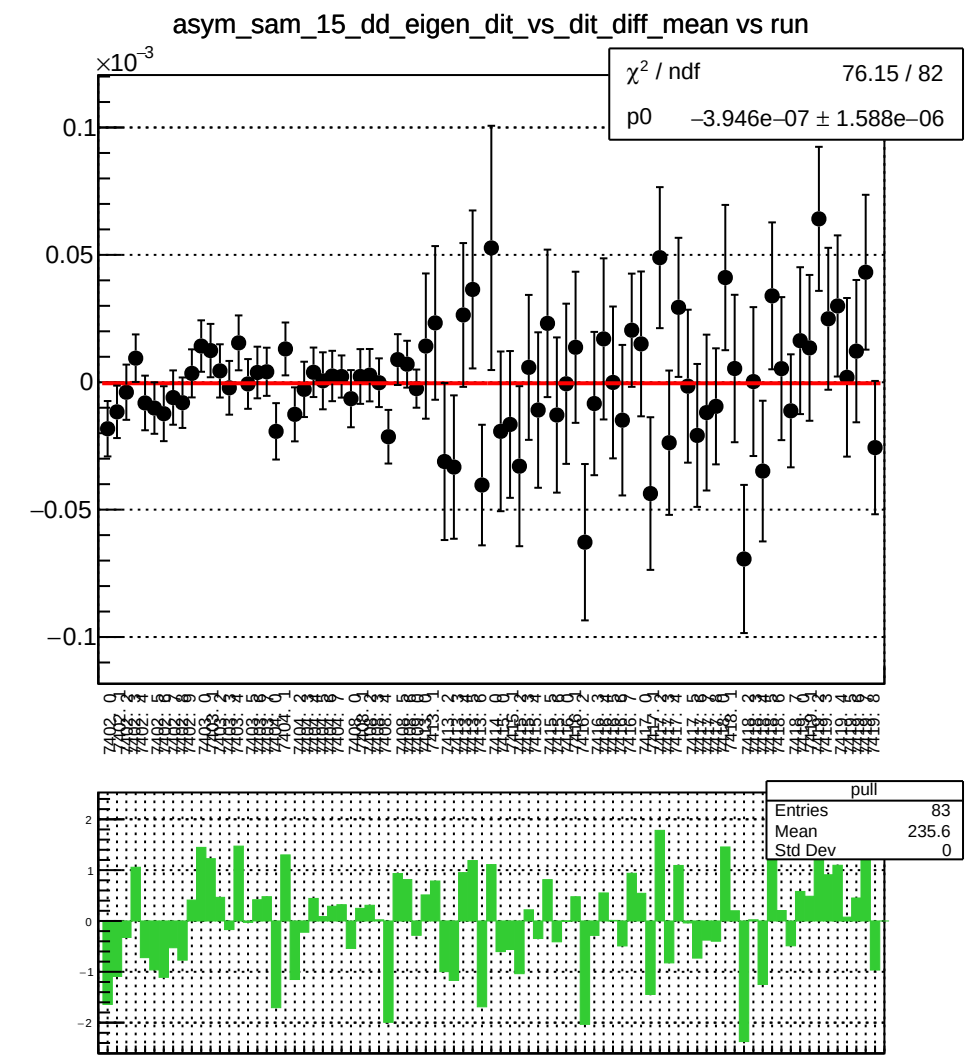

pull1D
Entries 83
Mean −0.001162
Std Dev 1.006

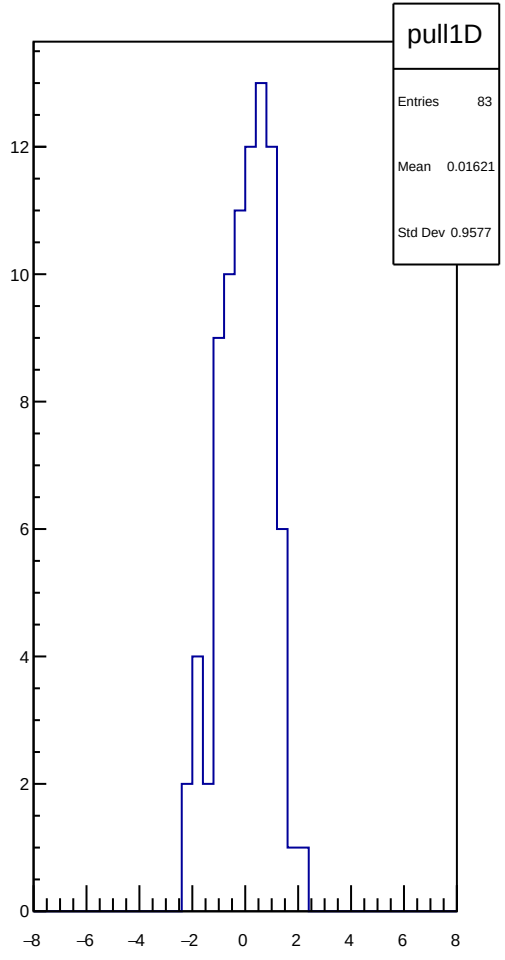

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.628e+04 / 82
p0 48.05 ± 0.03895
70
65
60
55
50
45
40
35

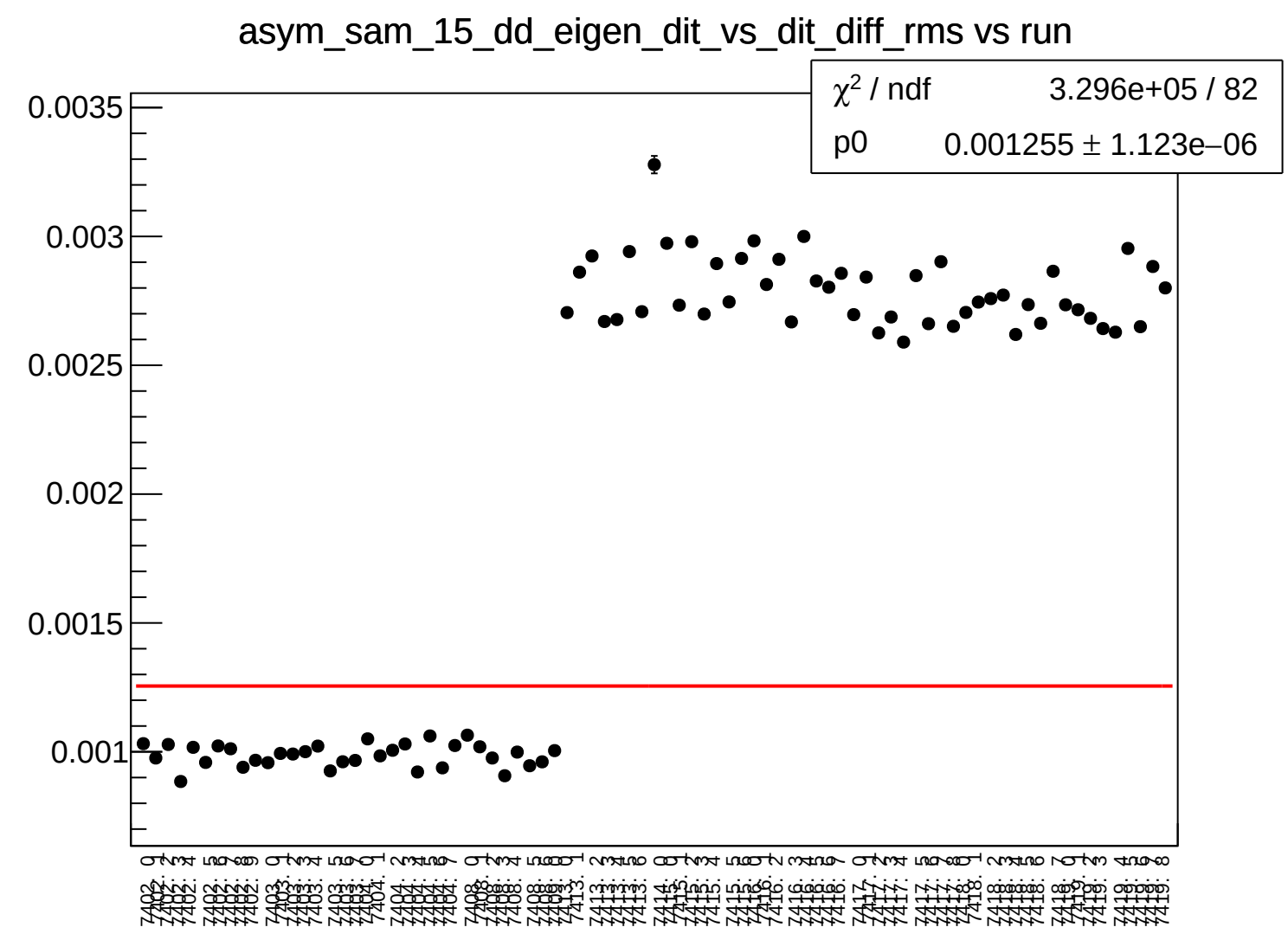

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.07 / 82
p0 0.07624 ± 0.05508
pull
Entries 83
Mean −748.5
Std Dev 0

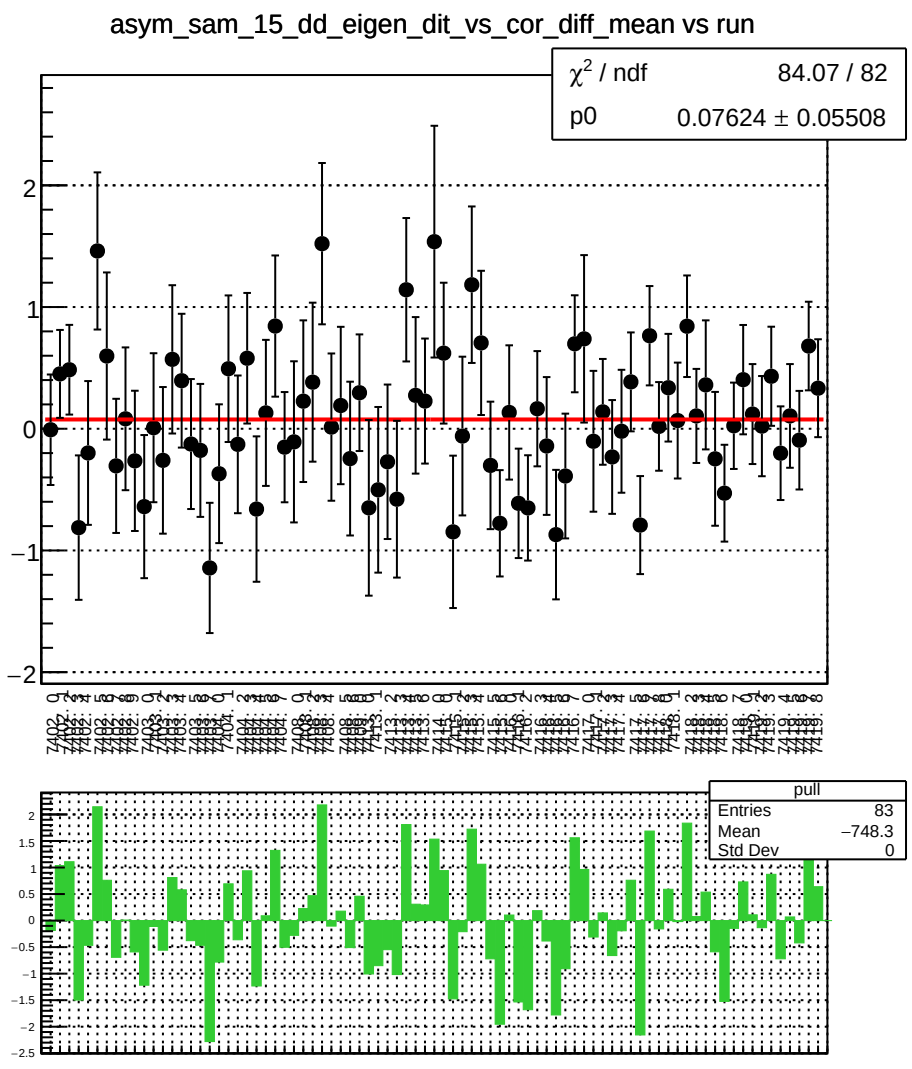

pull1D
Entries 83
Mean −0.001162
Std Dev 1.006

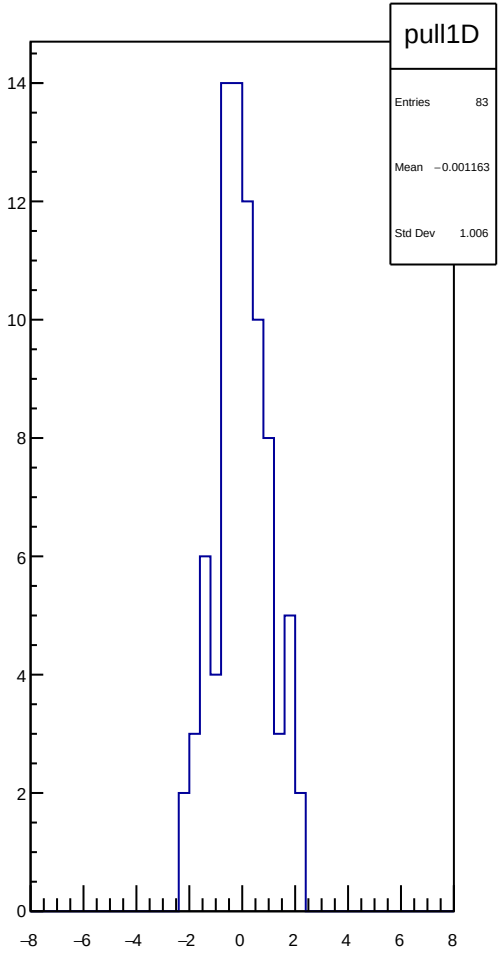

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.628e+04 / 82
p0 48.05 ± 0.03895
70
65
60
55
50
45
40
35

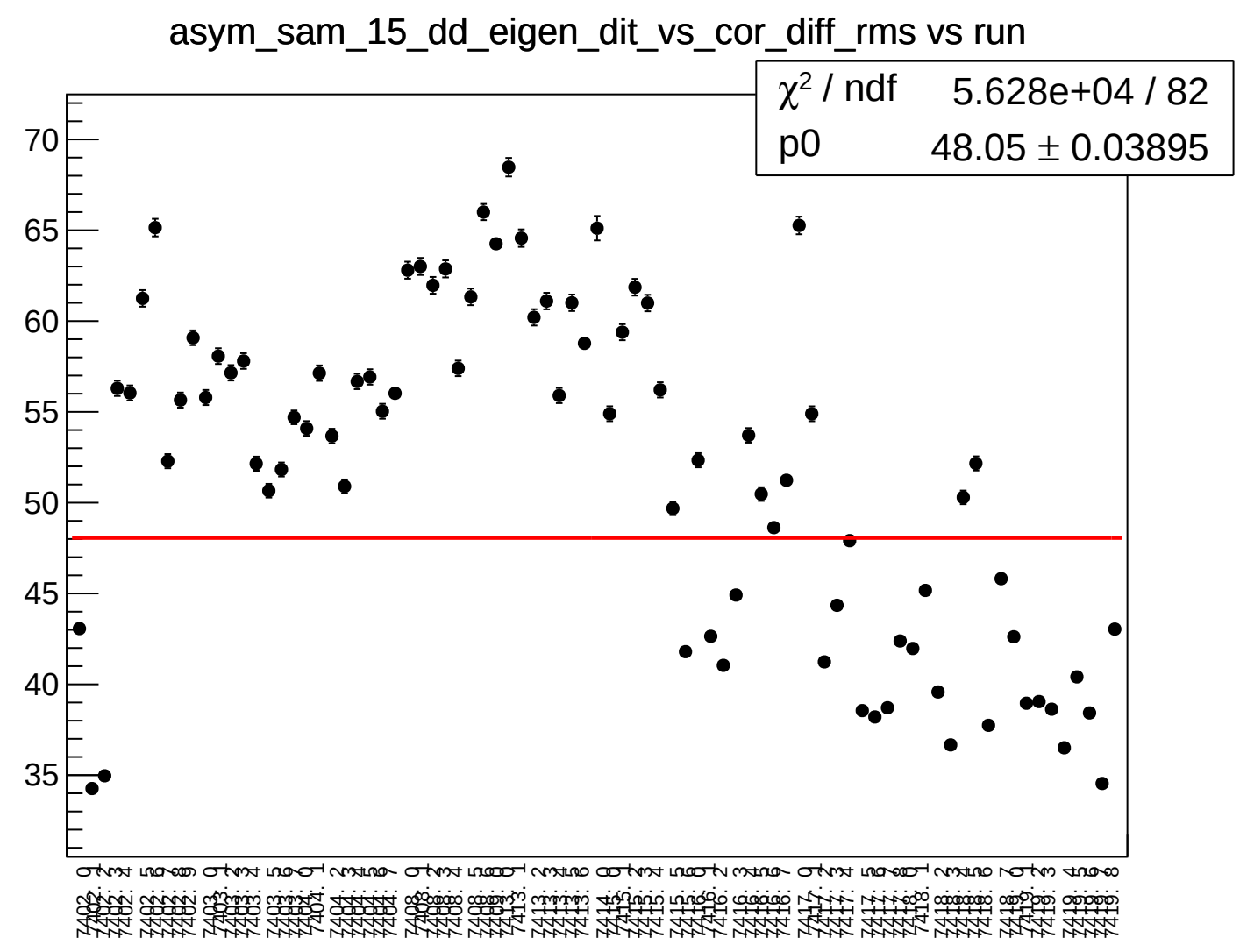

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.15 / 82
p0 −3.946e−07 ± 1.588e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 235.6
Std Dev 0
2
1
0
−1
−2

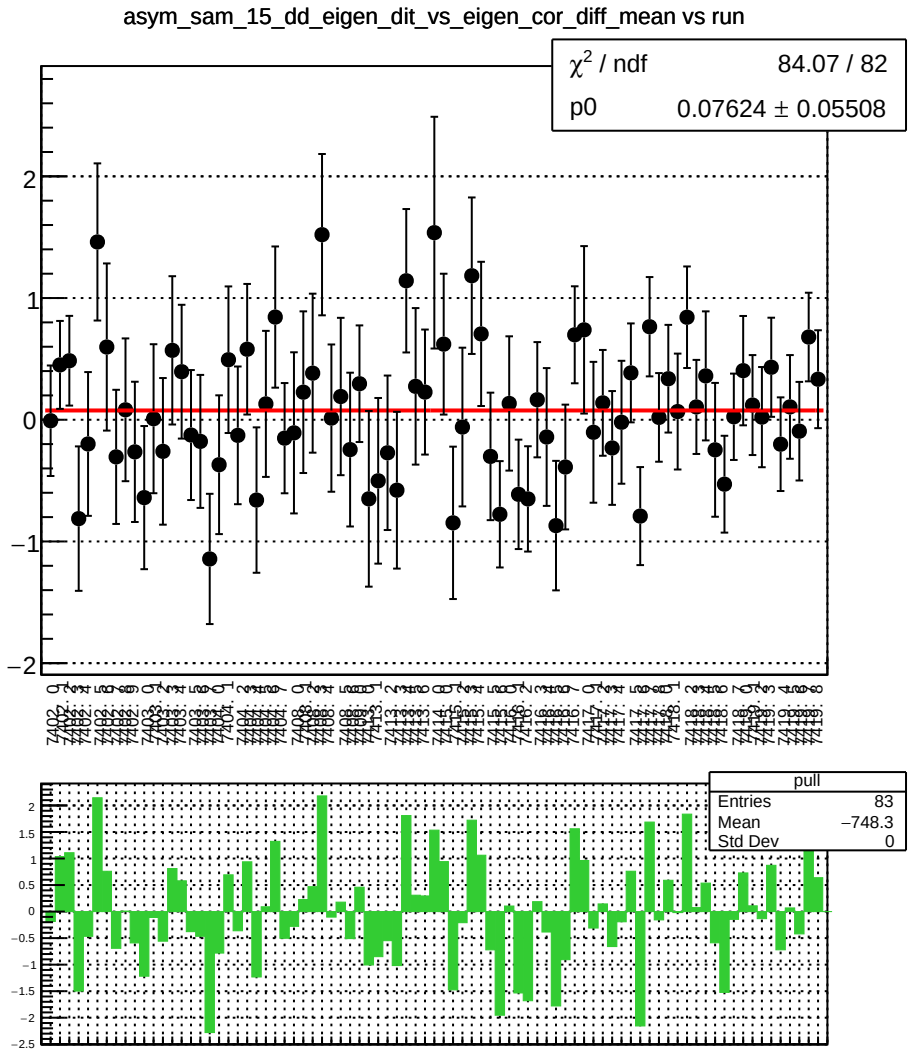

pull1D
Entries 83
Mean 0.01621
Std Dev 0.9577
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

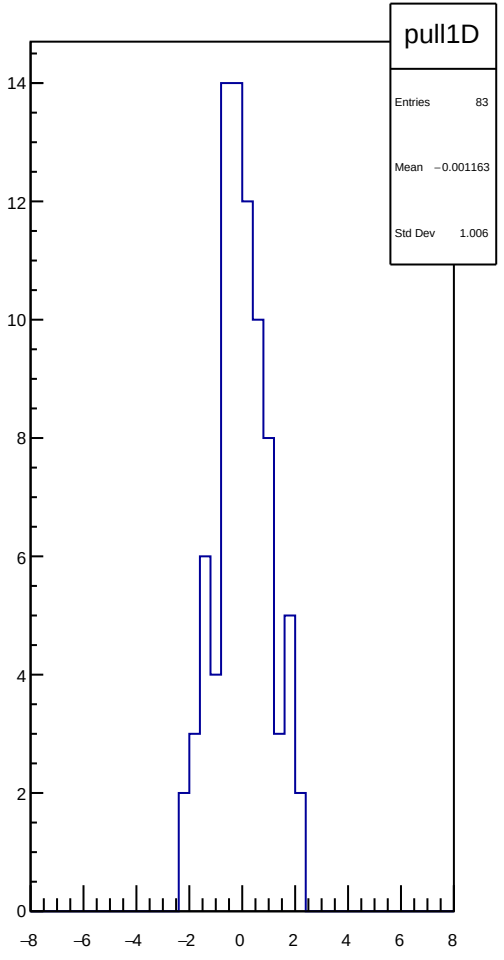

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.296e+05 / 82
p0 0.001255 ± 1.123e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001

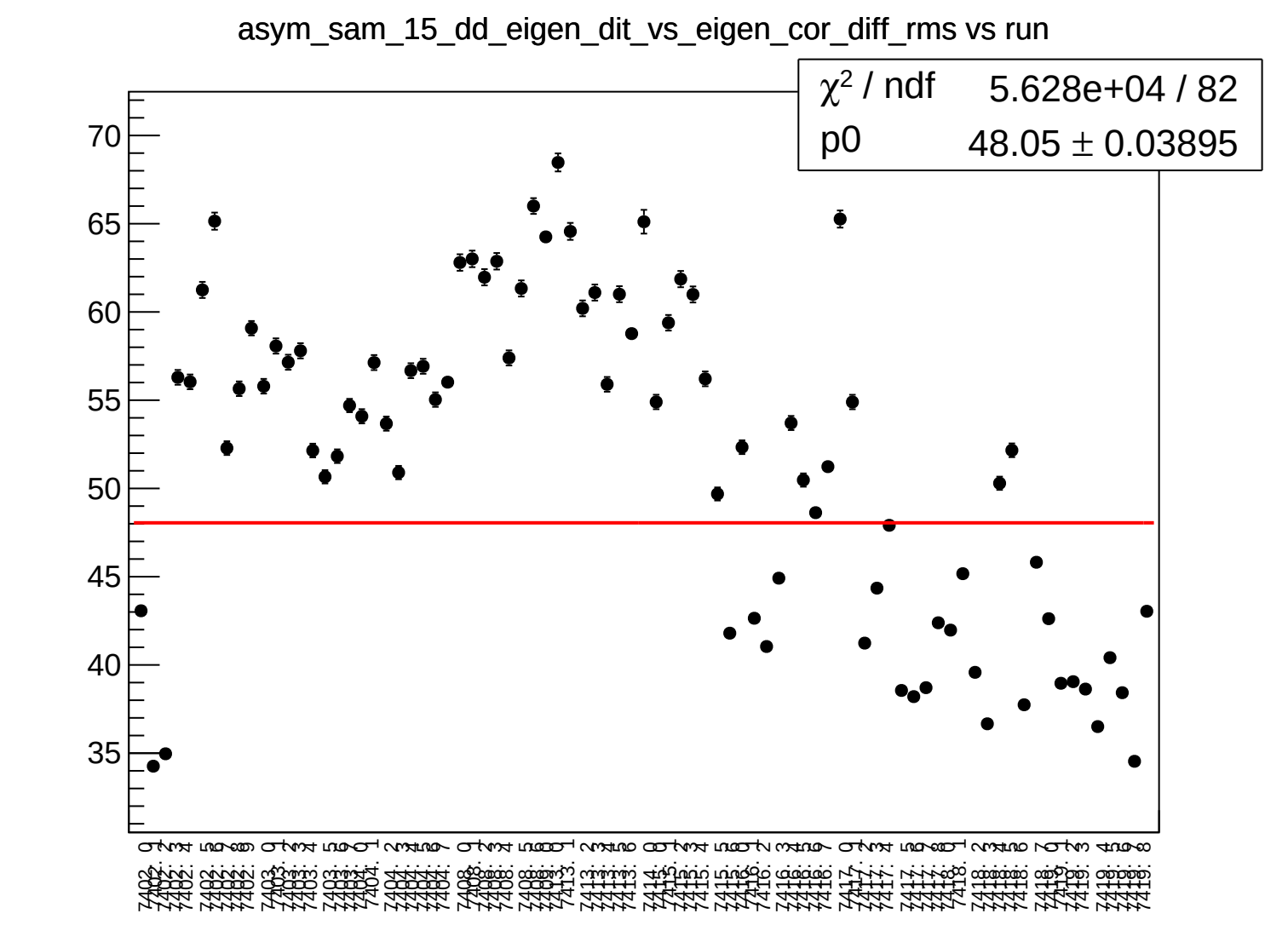

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.07 / 82
p0 0.07624 ± 0.05508
pull
Entries 83
Mean −748.3
Std Dev 0

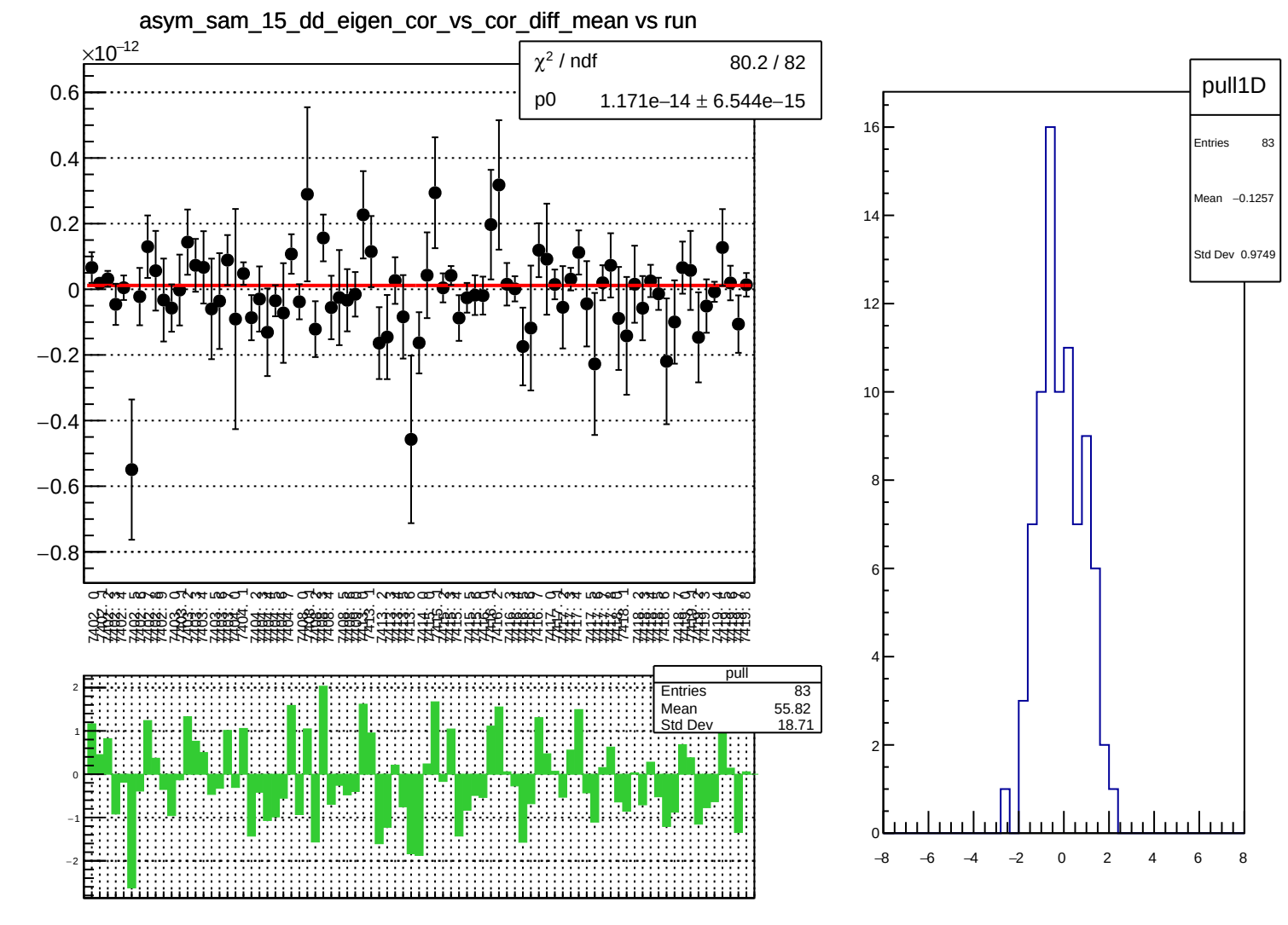

pull1D
Entries 83
Mean −0.001163
Std Dev 1.006

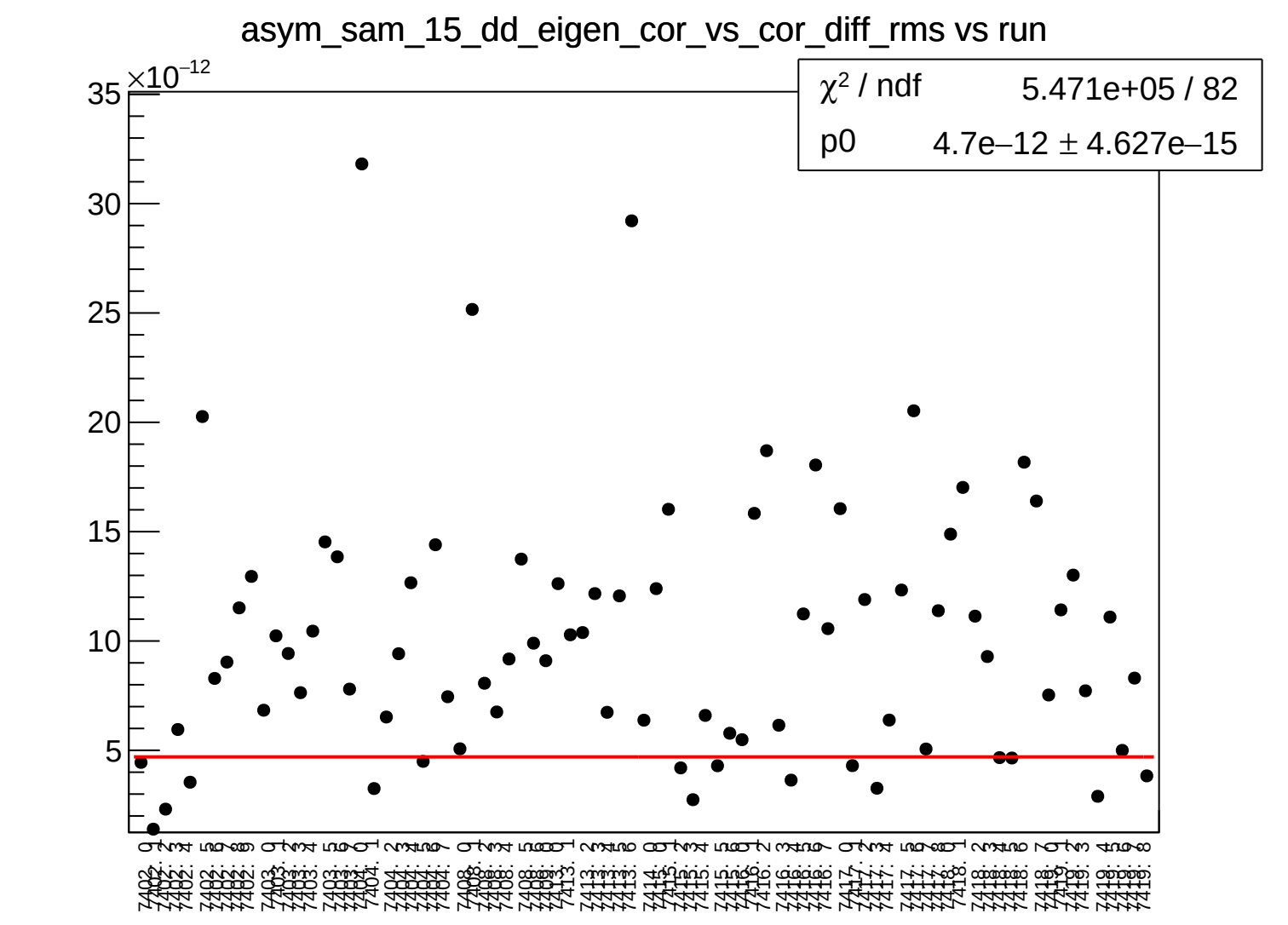

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.628e+04 / 82
p0 48.05 ± 0.03895
70
65
60
55
50
45
40
35

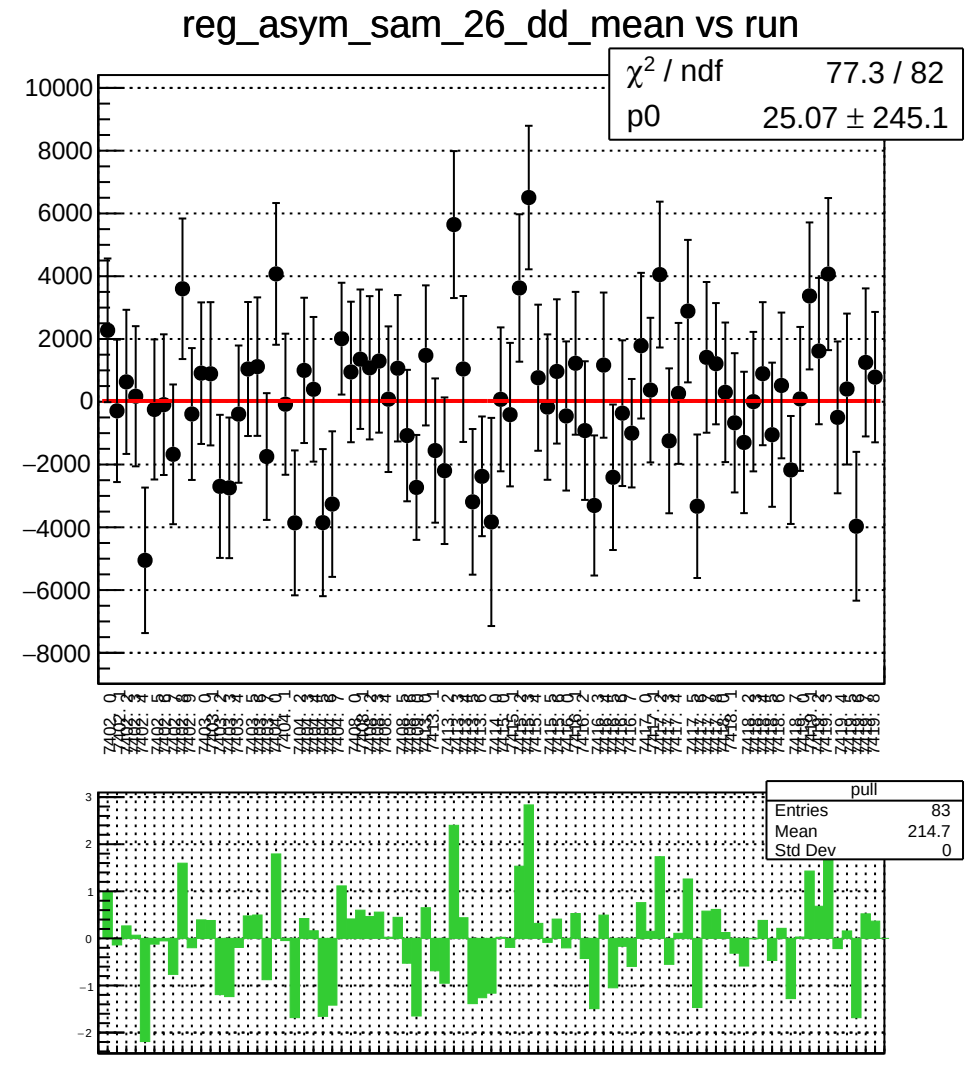

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.07 / 82
p0 0.07624 ± 0.05508
pull
Entries 83
Mean −748.3
Std Dev 0

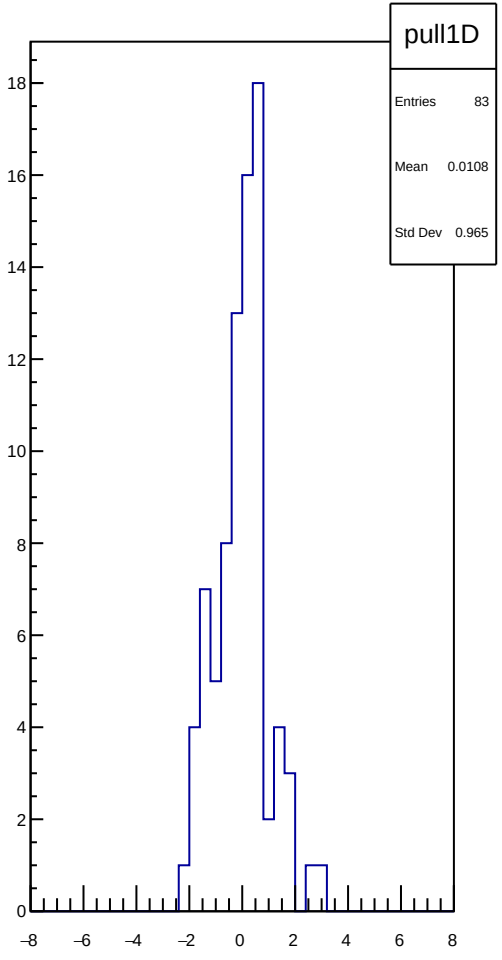

pull1D
Entries 83
Mean −0.001163
Std Dev 1.006

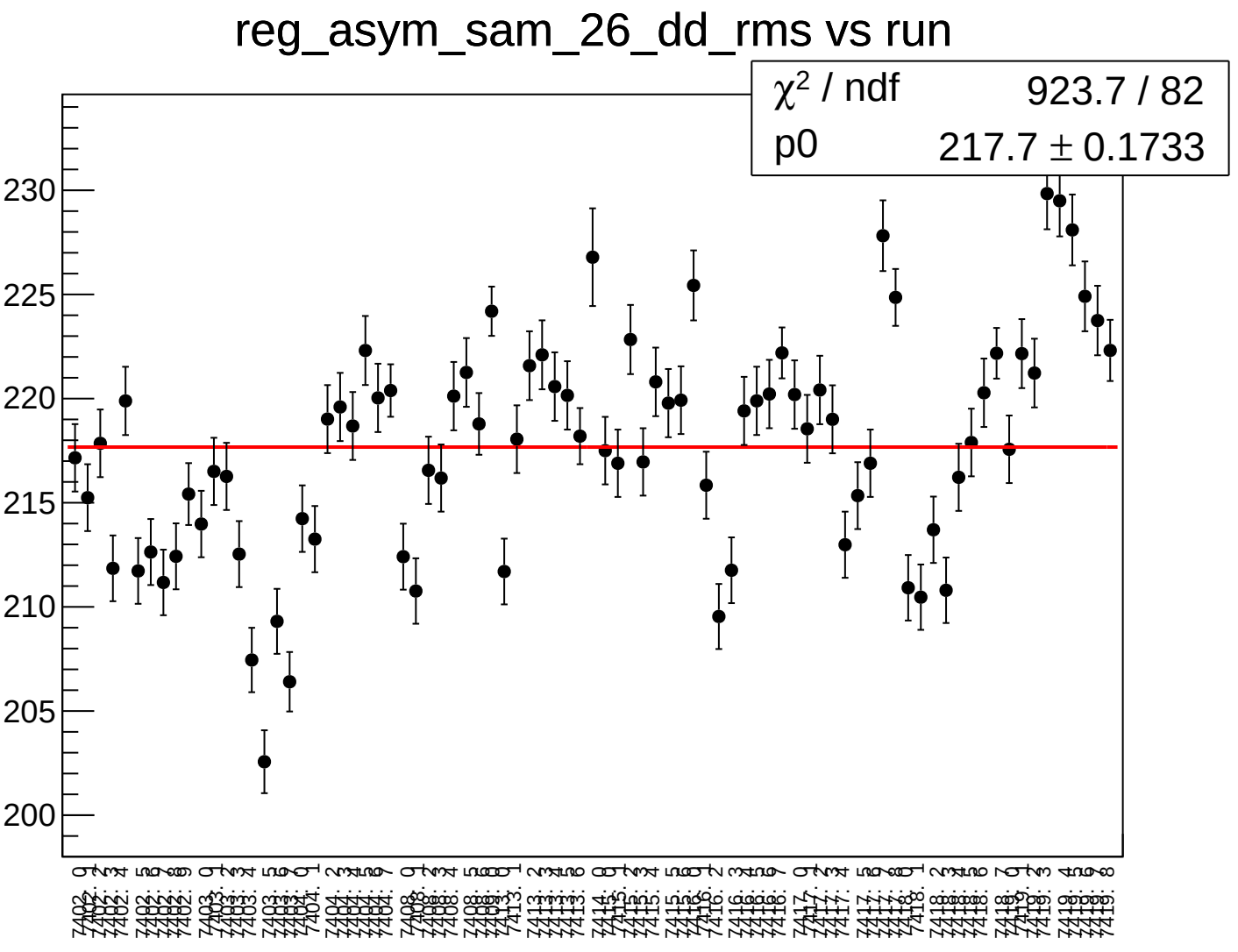

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.628e+04 / 82
p0 48.05 ± 0.03895
70
65
60
55
50
45
40
35

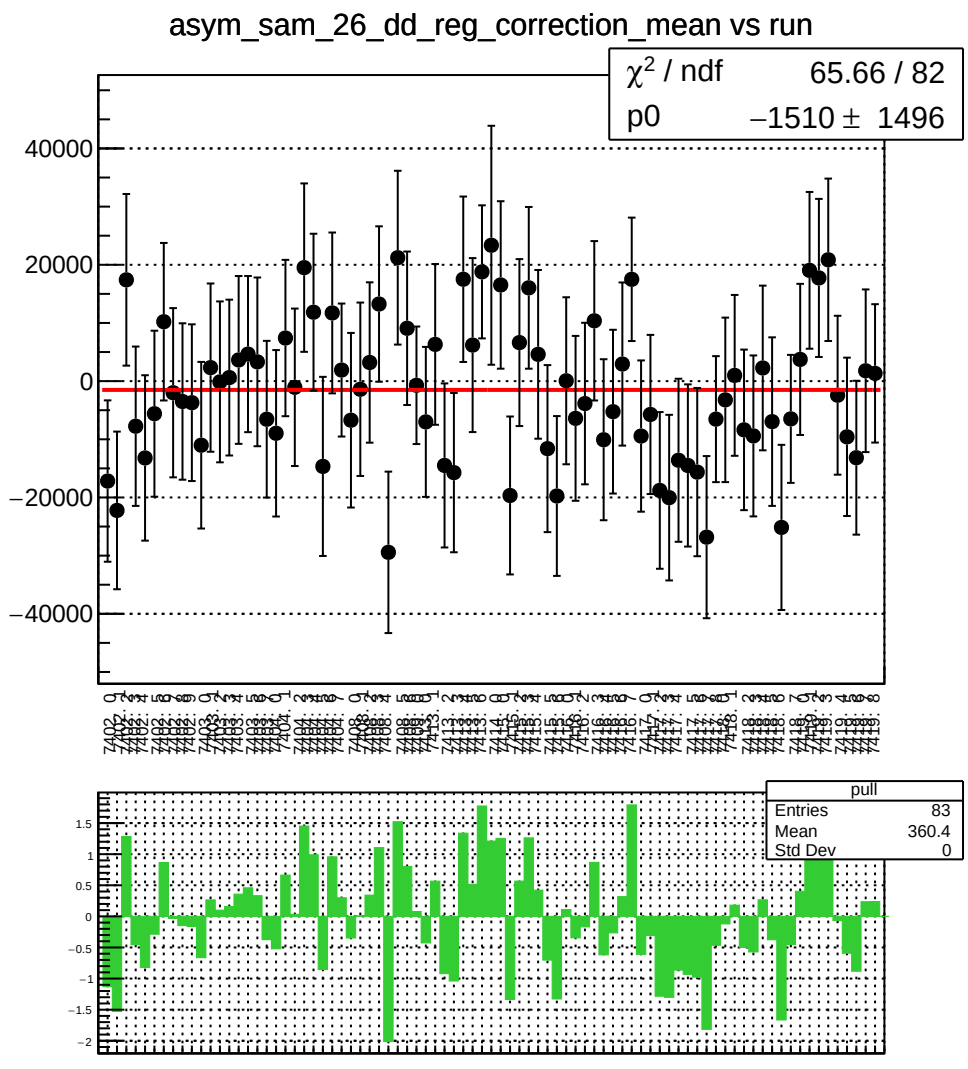

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 80.2 / 82
p0 1.171e−14 ± 6.544e−15
pull
Entries 83
Mean 55.82
Std Dev 18.71
pull1D
Entries 83
Mean −0.1257
Std Dev 0.9749

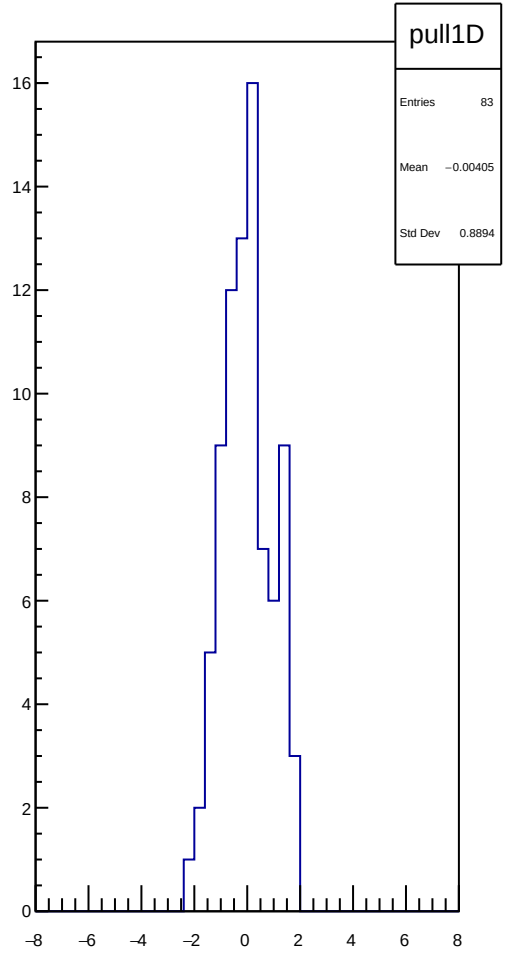

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.471e+05 / 82
p0 4.7e−12 ± 4.627e−15
35
30
25
20
15
10
5

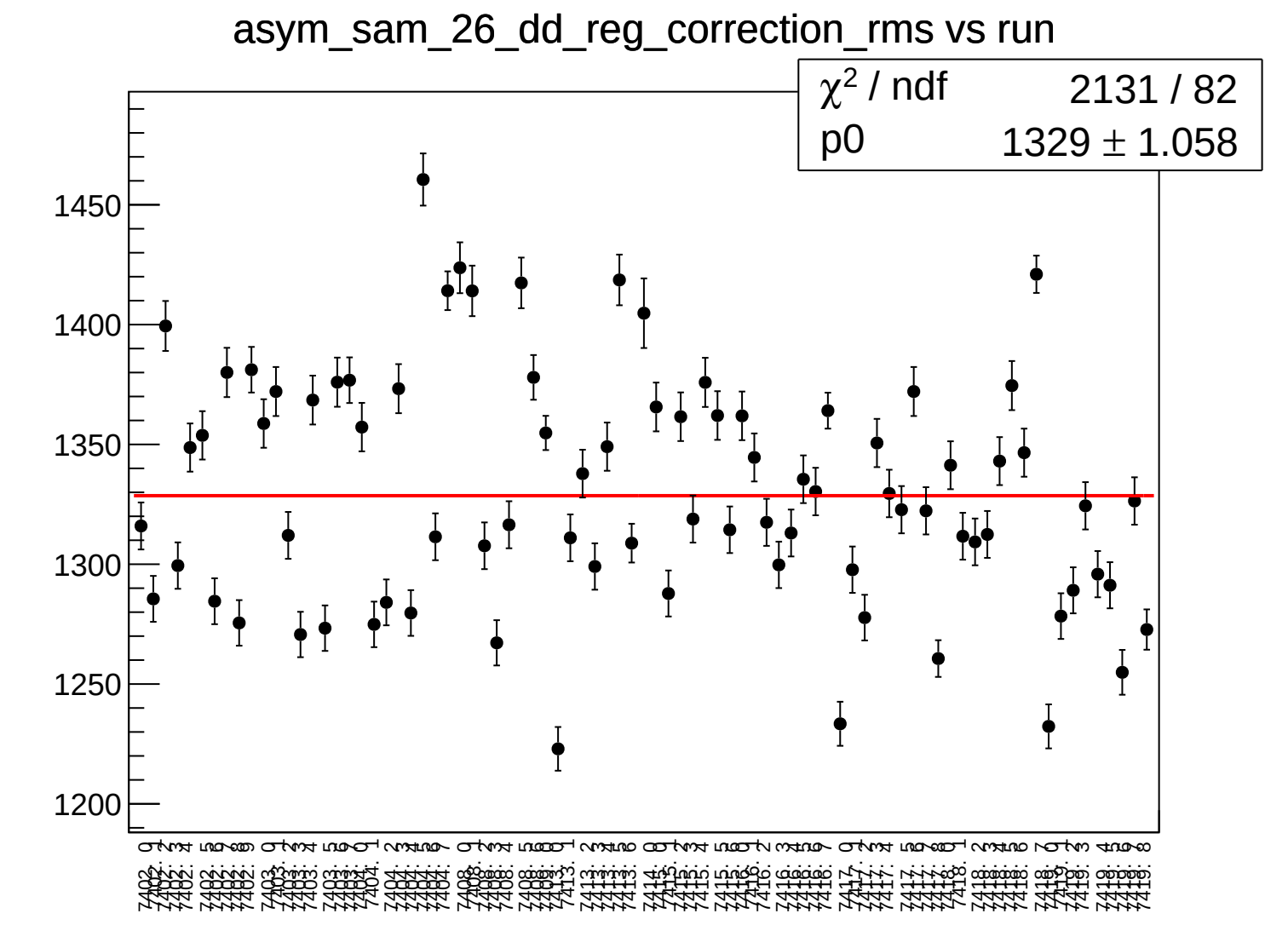

reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 77.3 / 82
p0 25.07 ± 245.1
pull
Entries 83
Mean 214.7
Std Dev 0

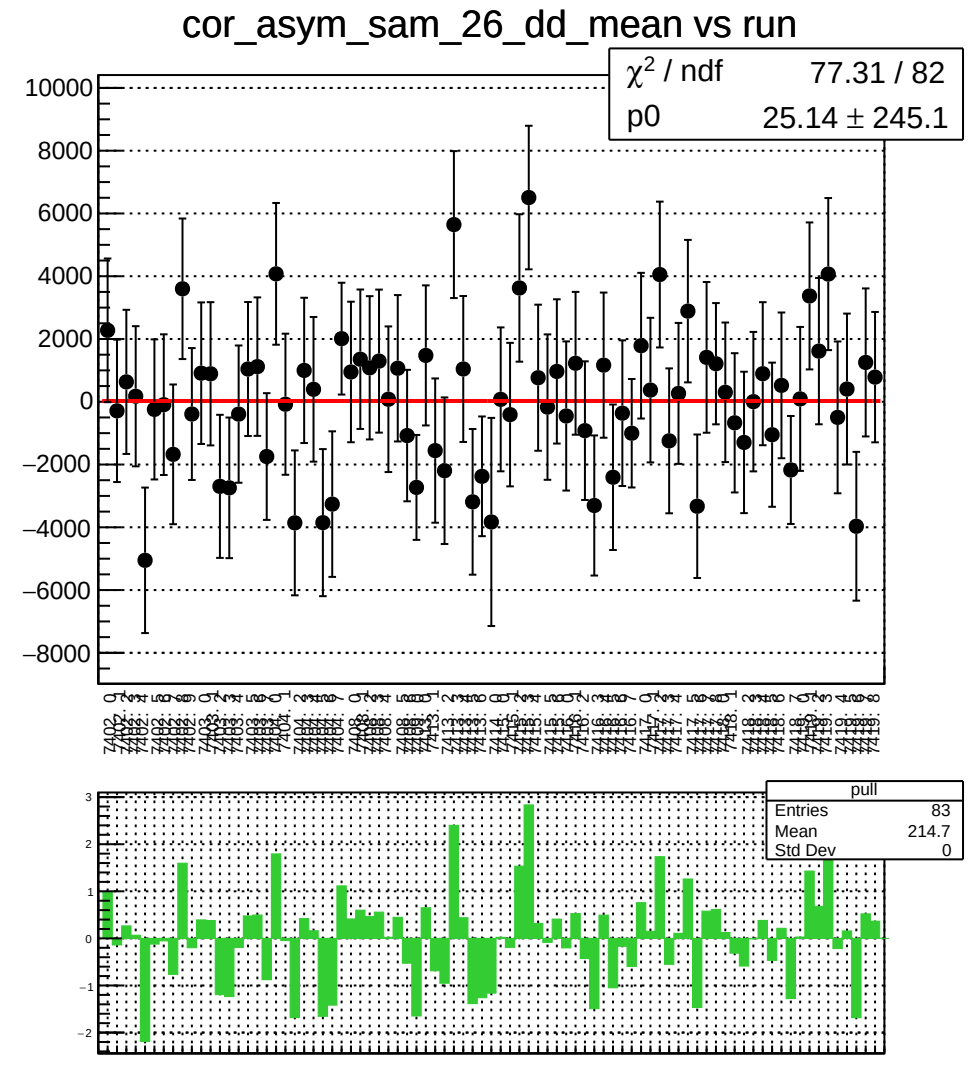

pull1D
Entries 83
Mean 0.0108
Std Dev 0.965

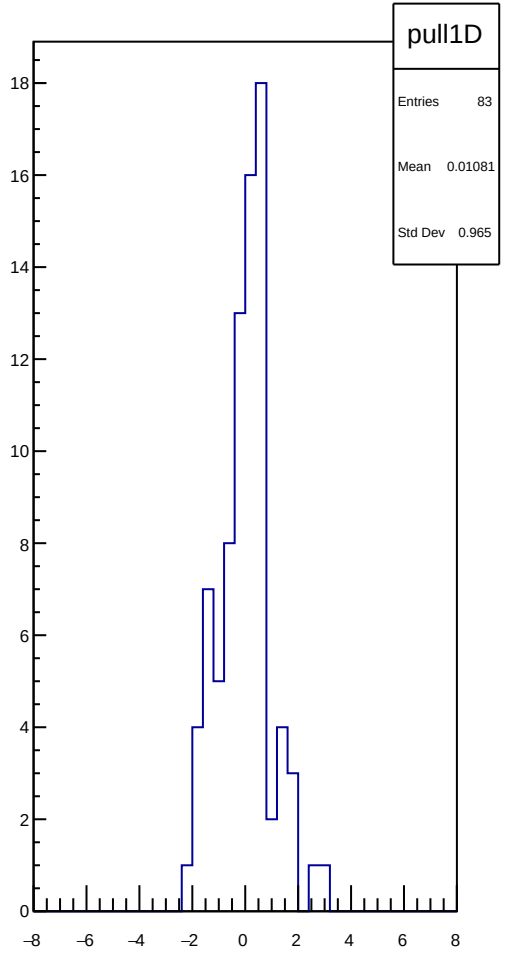

reg_asym_sam_26_dd_rms vs run
χ² / ndf 923.7 / 82
p0 217.7 ± 0.1733
230
225
220
215
210
205
200

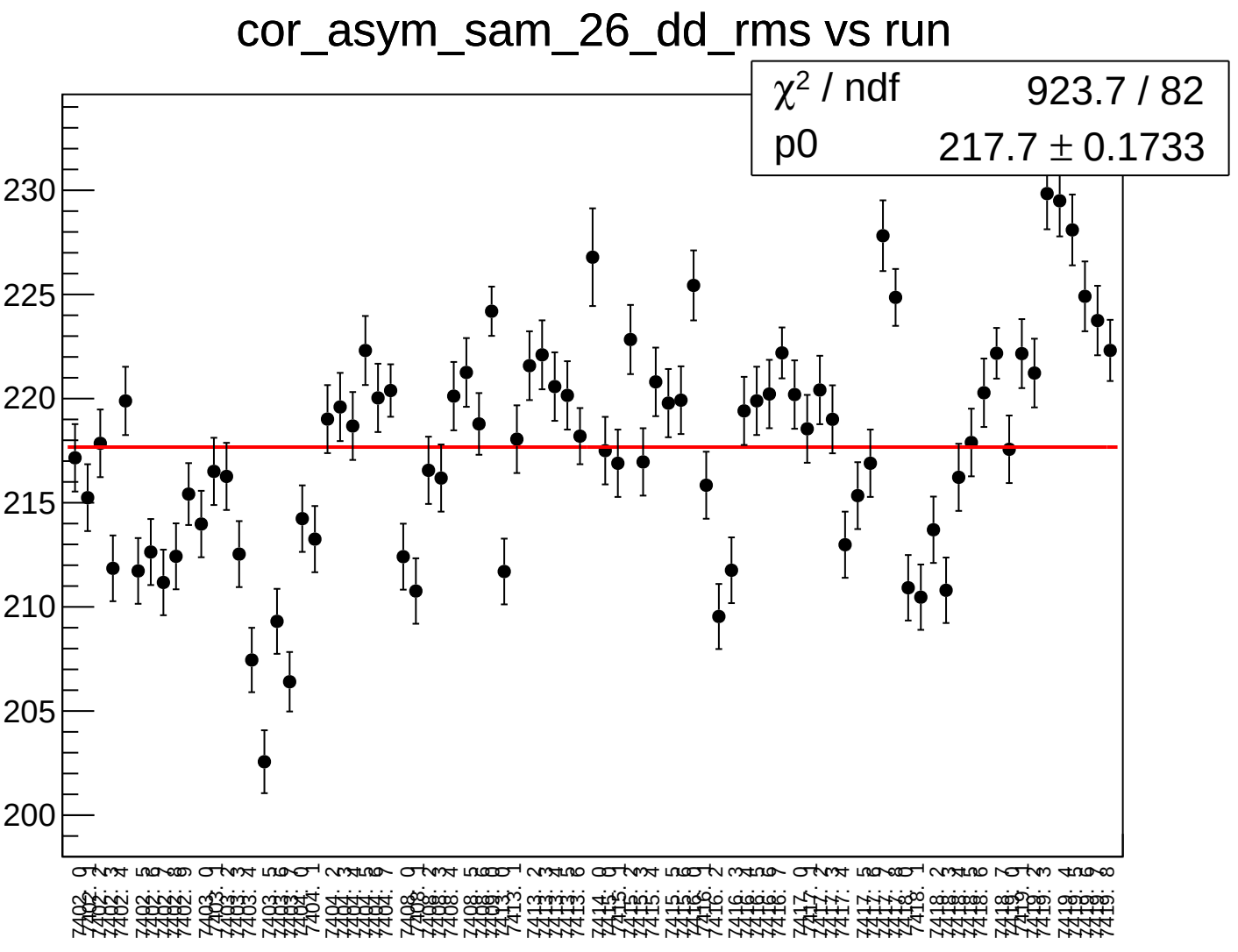

asym_sam_26_dd_reg_correction_mean vs run
χ² / ndf 65.66 / 82
p0 −1510 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 360.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

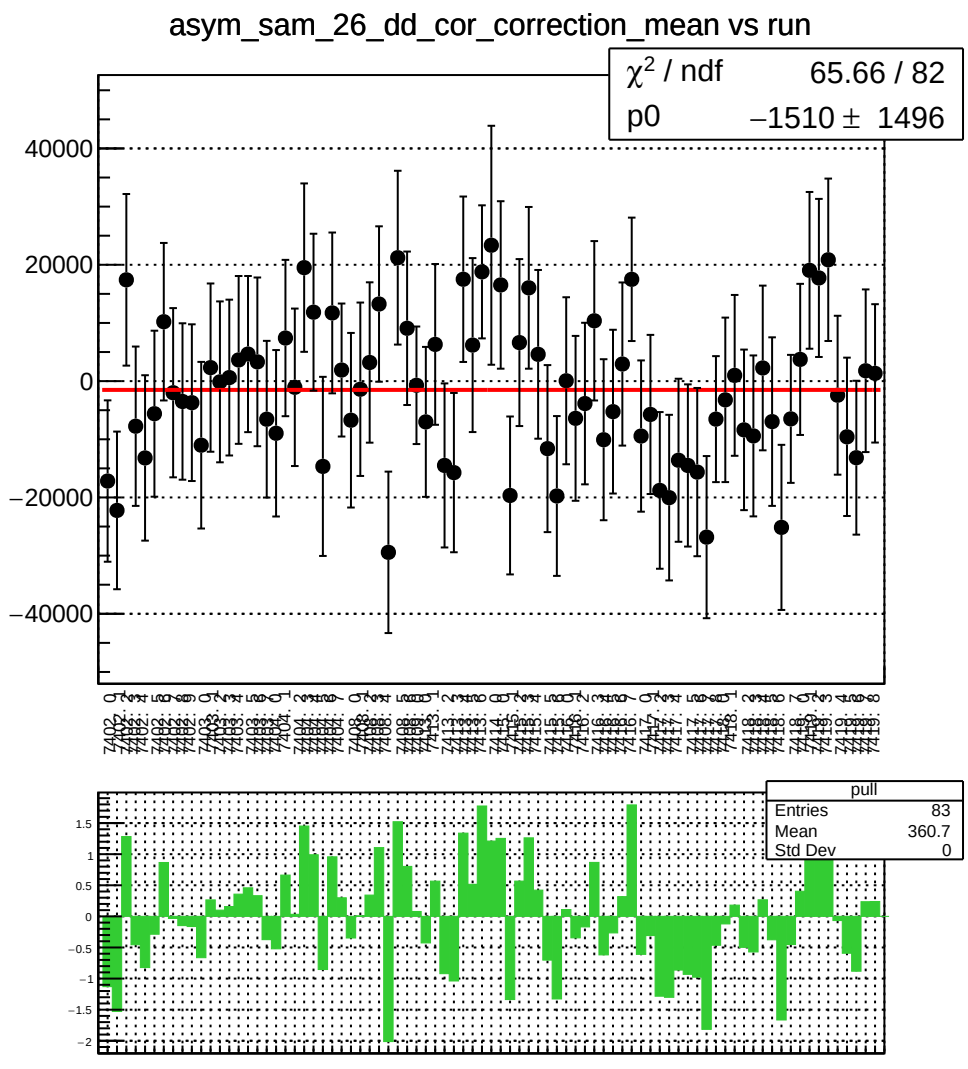

pull1D
Entries 83
Mean −0.00405
Std Dev 0.8894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

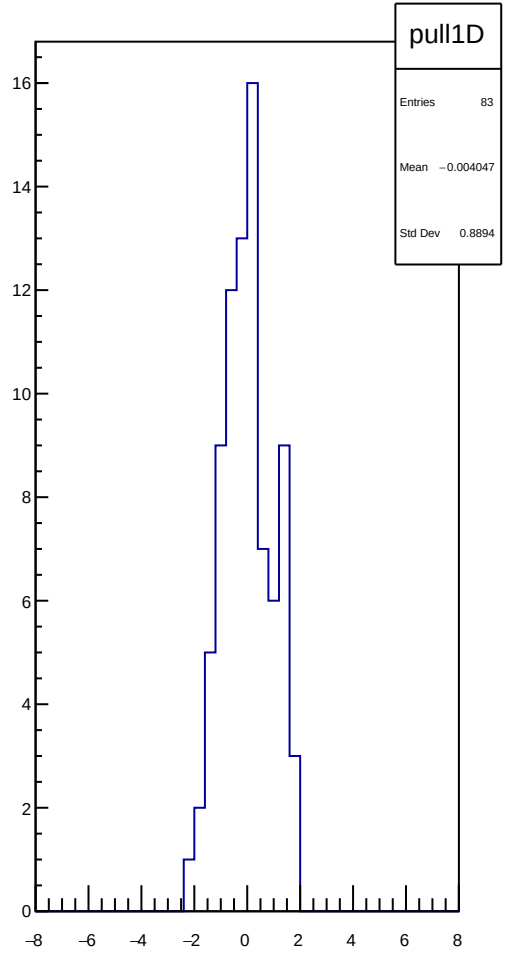

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 2131 / 82
p0 1329 ± 1.058
1450
1400
1350
1300
1250
1200

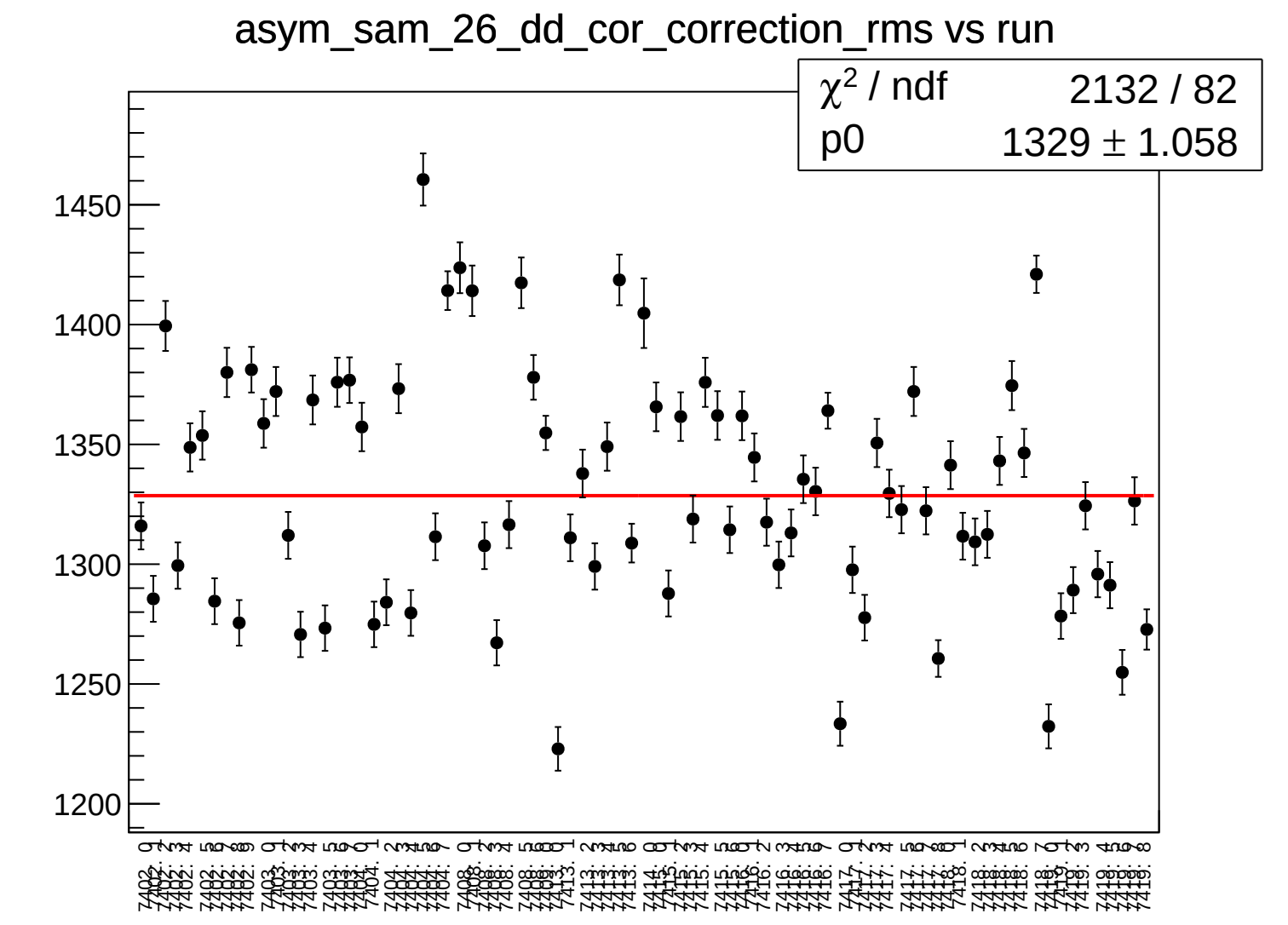

cor_asym_sam_26_dd_mean vs run
χ² / ndf 77.31 / 82
p0 25.14 ± 245.1
pull
Entries 83
Mean 214.7
Std Dev 0

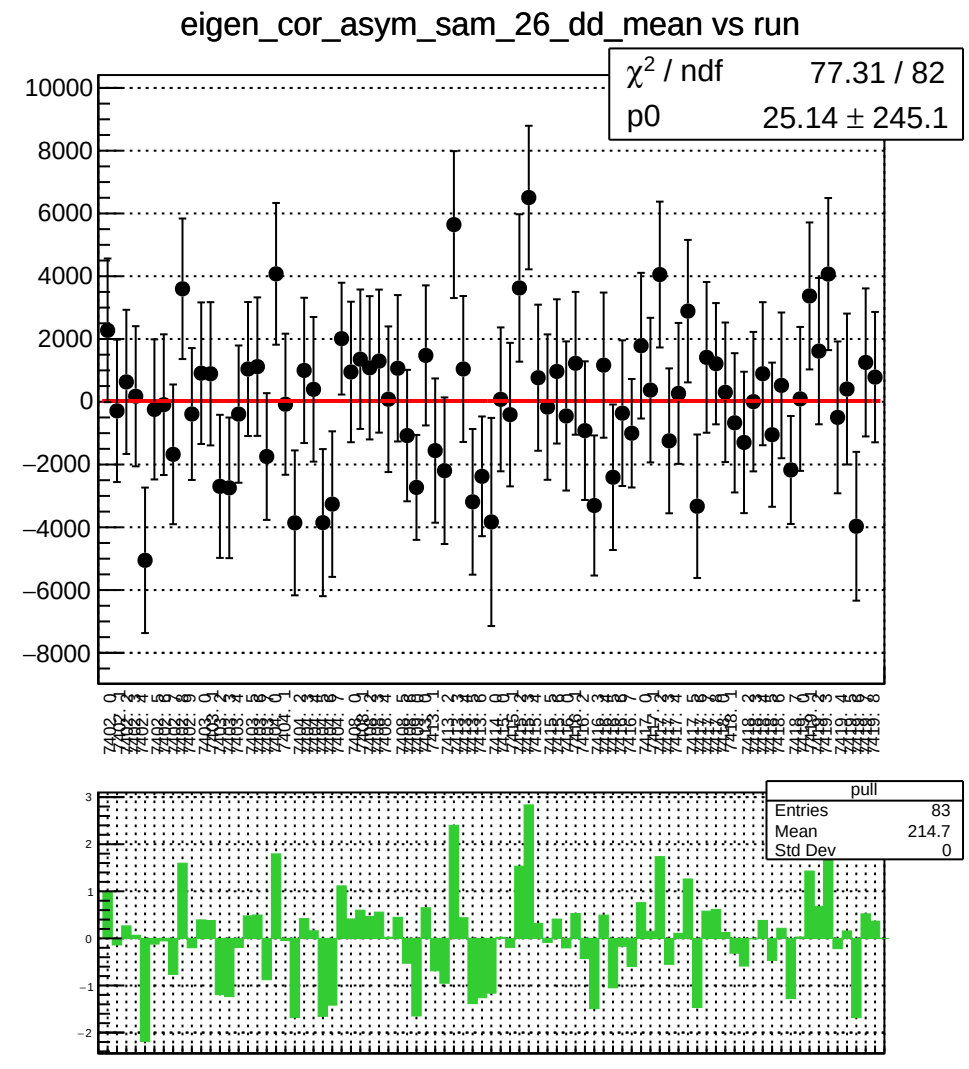

pull1D
Entries 83
Mean 0.01081
Std Dev 0.965

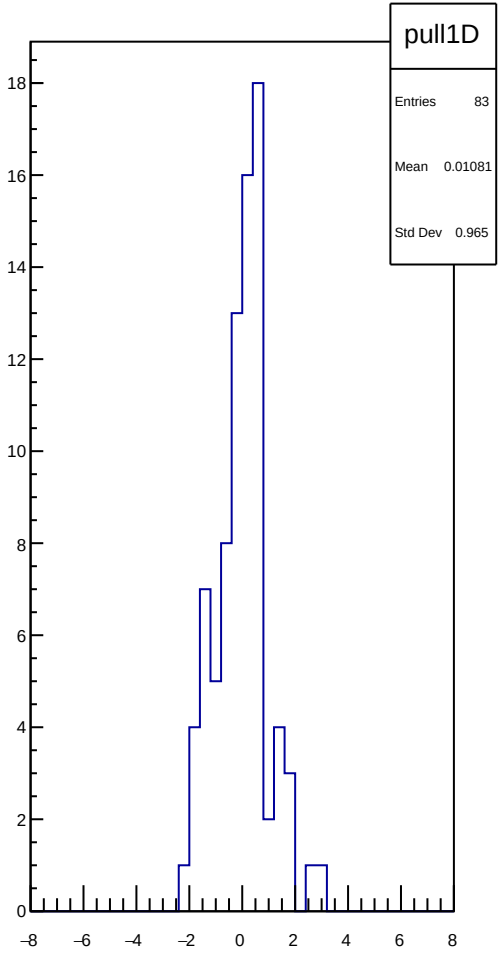

cor_asym_sam_26_dd_rms vs run
χ^2 / ndf 923.7 / 82
p0 217.7 ± 0.1733
230
225
220
215
210
205
200

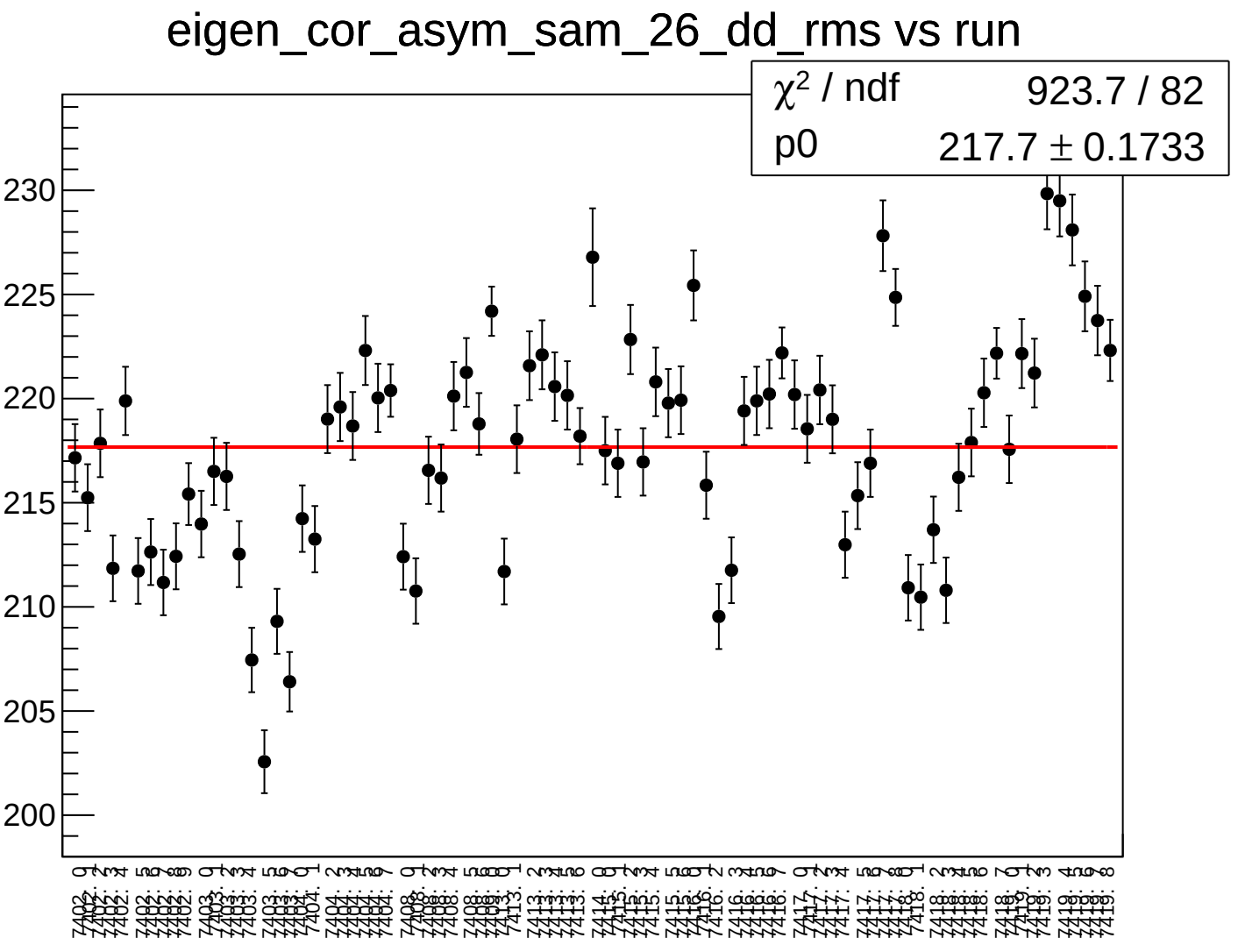

asym_sam_26_dd_cor_correction_mean vs run
χ² / ndf 65.66 / 82
p0 −1510 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 360.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

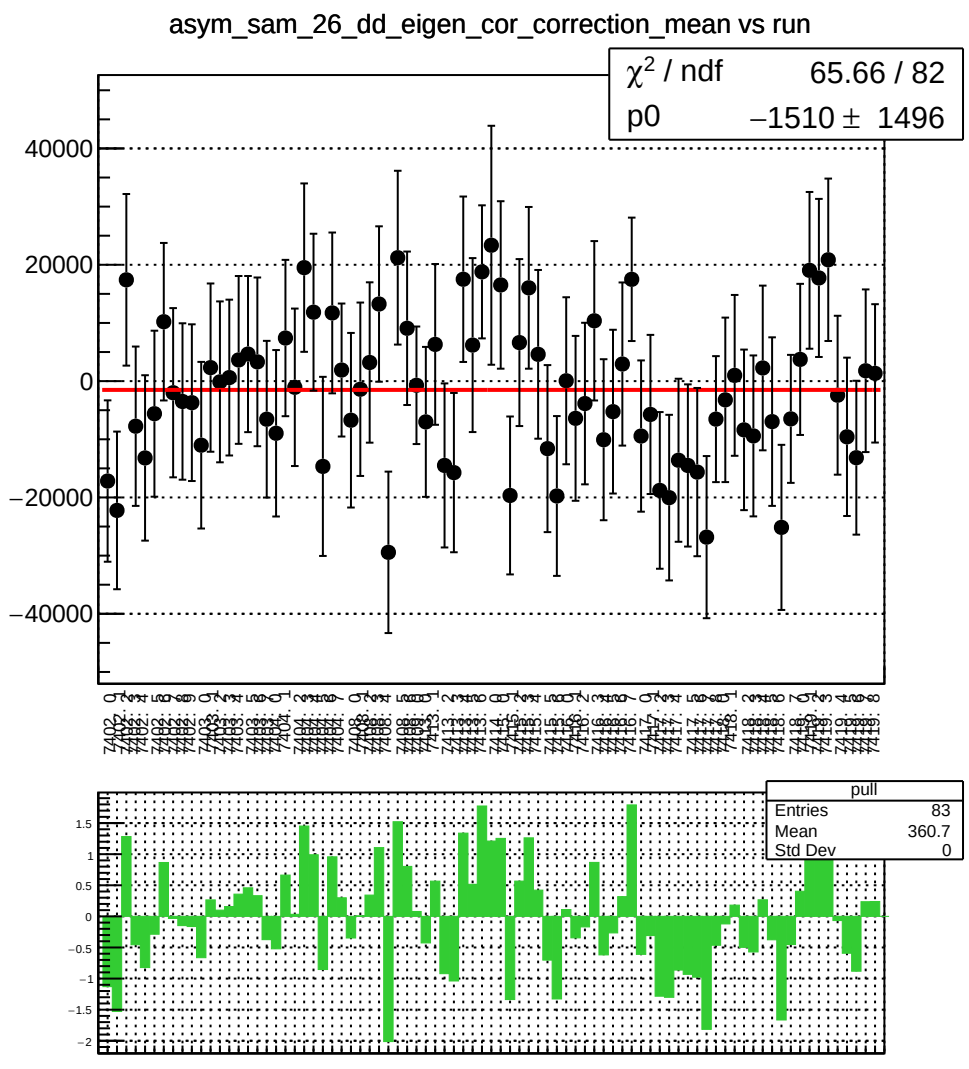

pull1D
Entries 83
Mean −0.004047
Std Dev 0.8894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

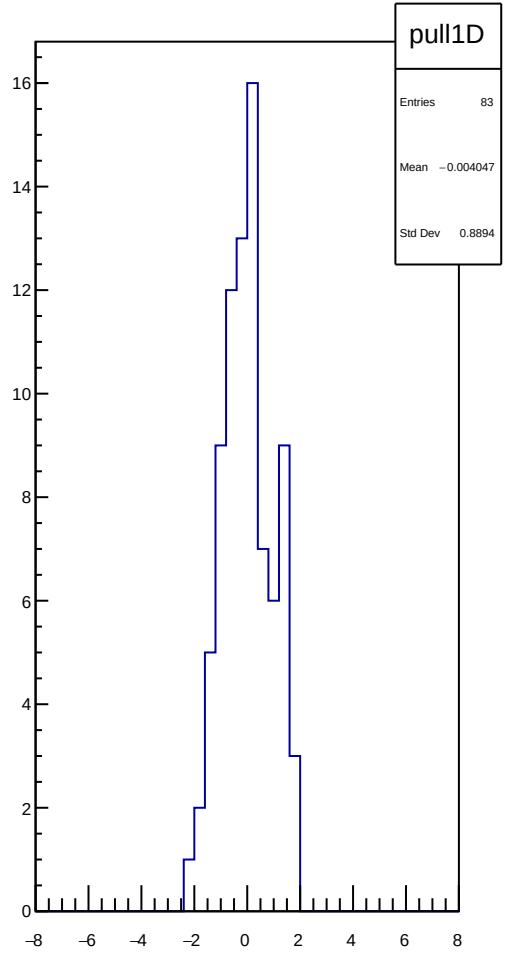

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 2132 / 82
p0 1329 ± 1.058
1450
1400
1350
1300
1250
1200

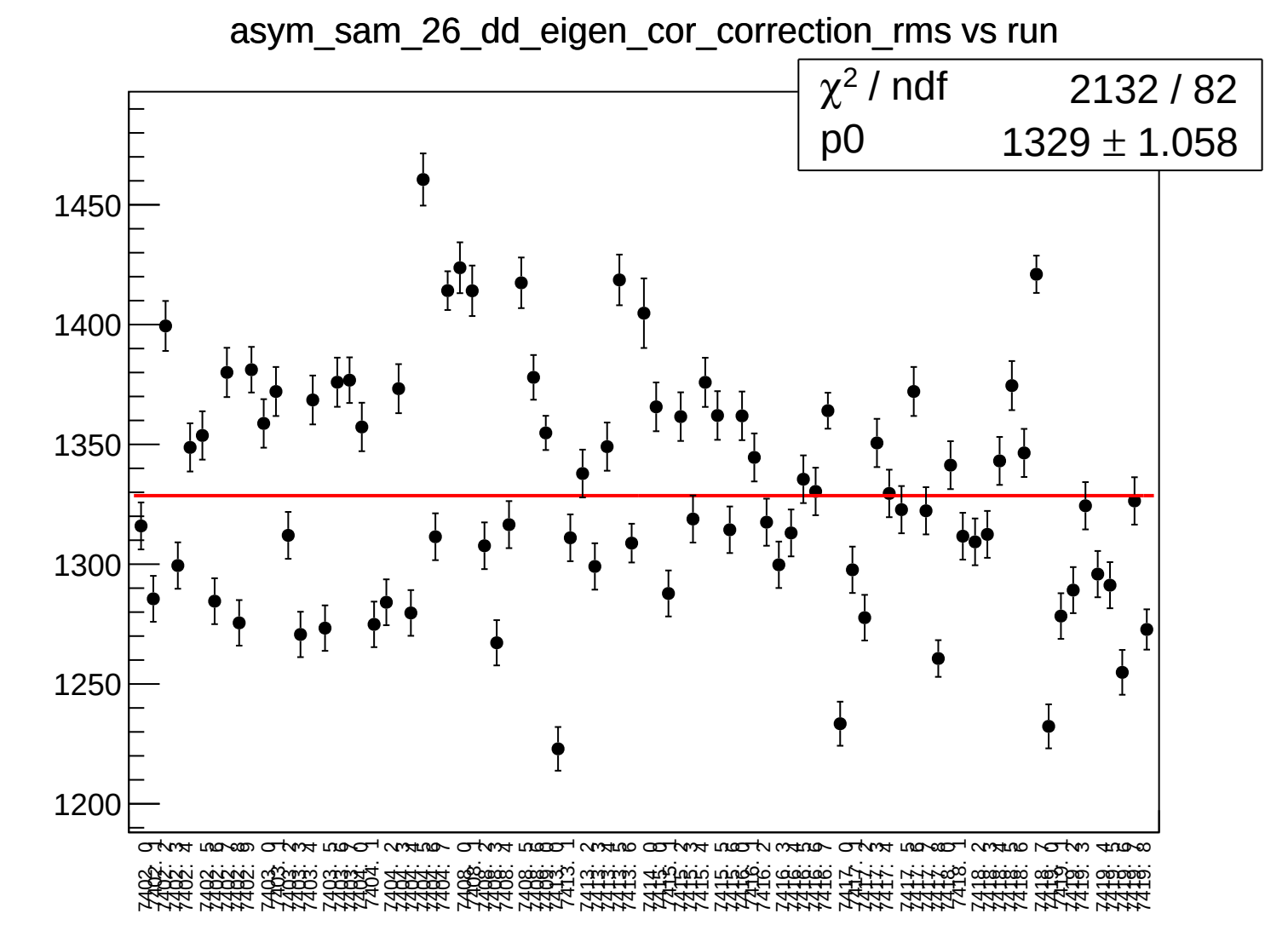

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 77.31 / 82
p0 25.14 ± 245.1
pull
Entries 83
Mean 214.7
Std Dev 0

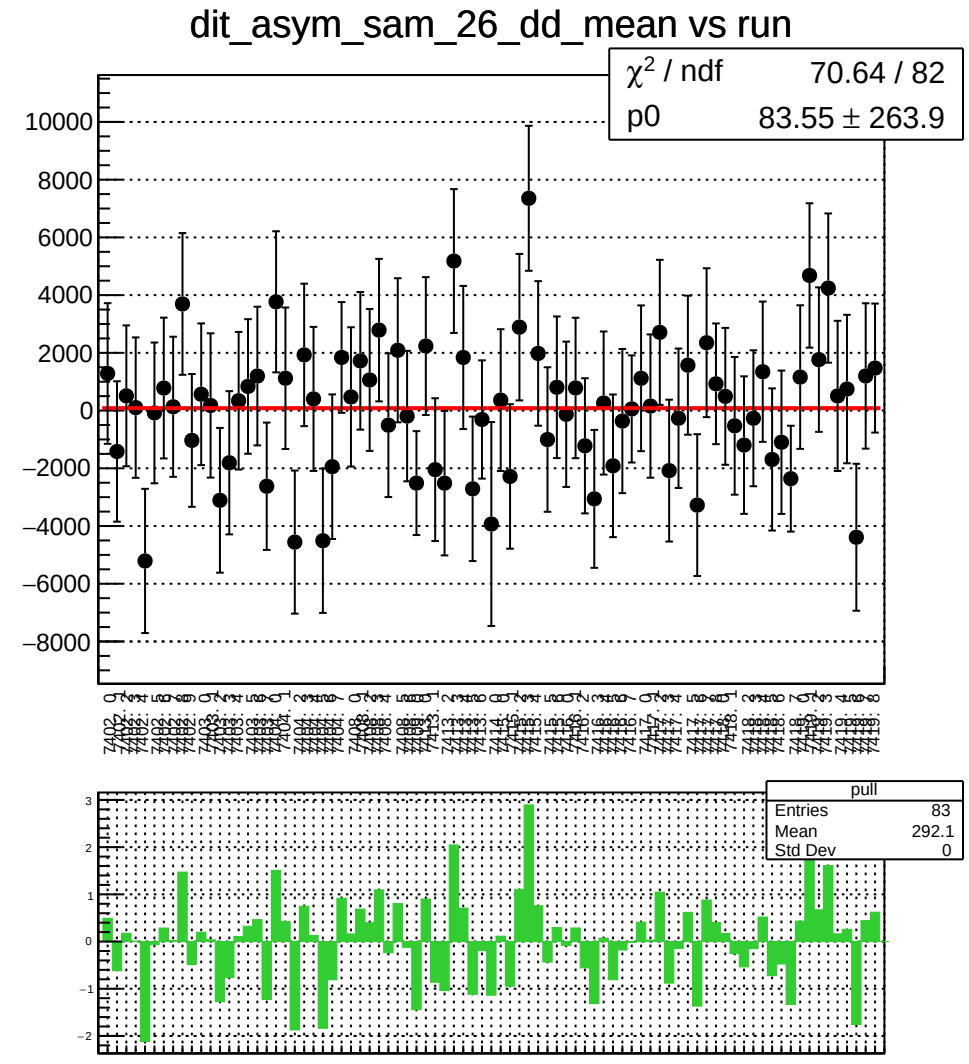

pull1D
Entries 83
Mean 0.01081
Std Dev 0.965

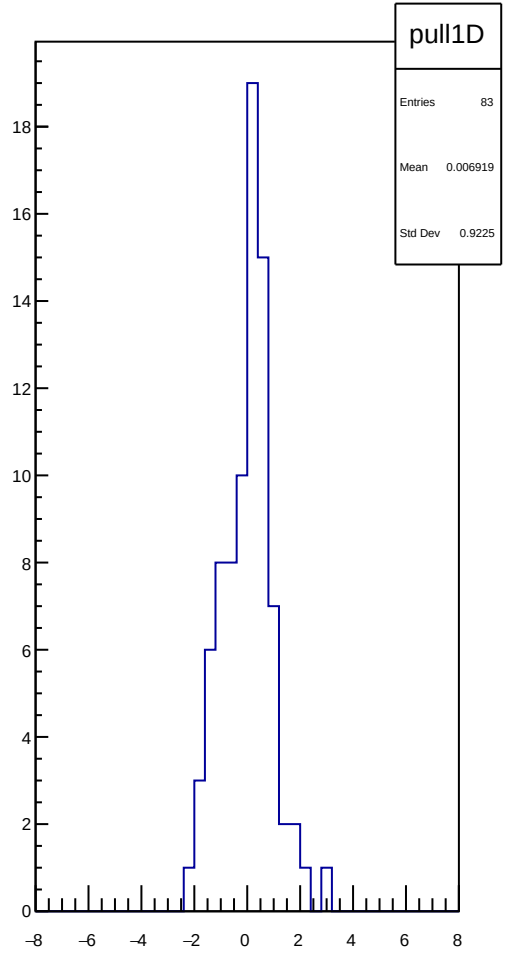

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 923.7 / 82
p0 217.7 ± 0.1733
230
225
220
215
210
205
200

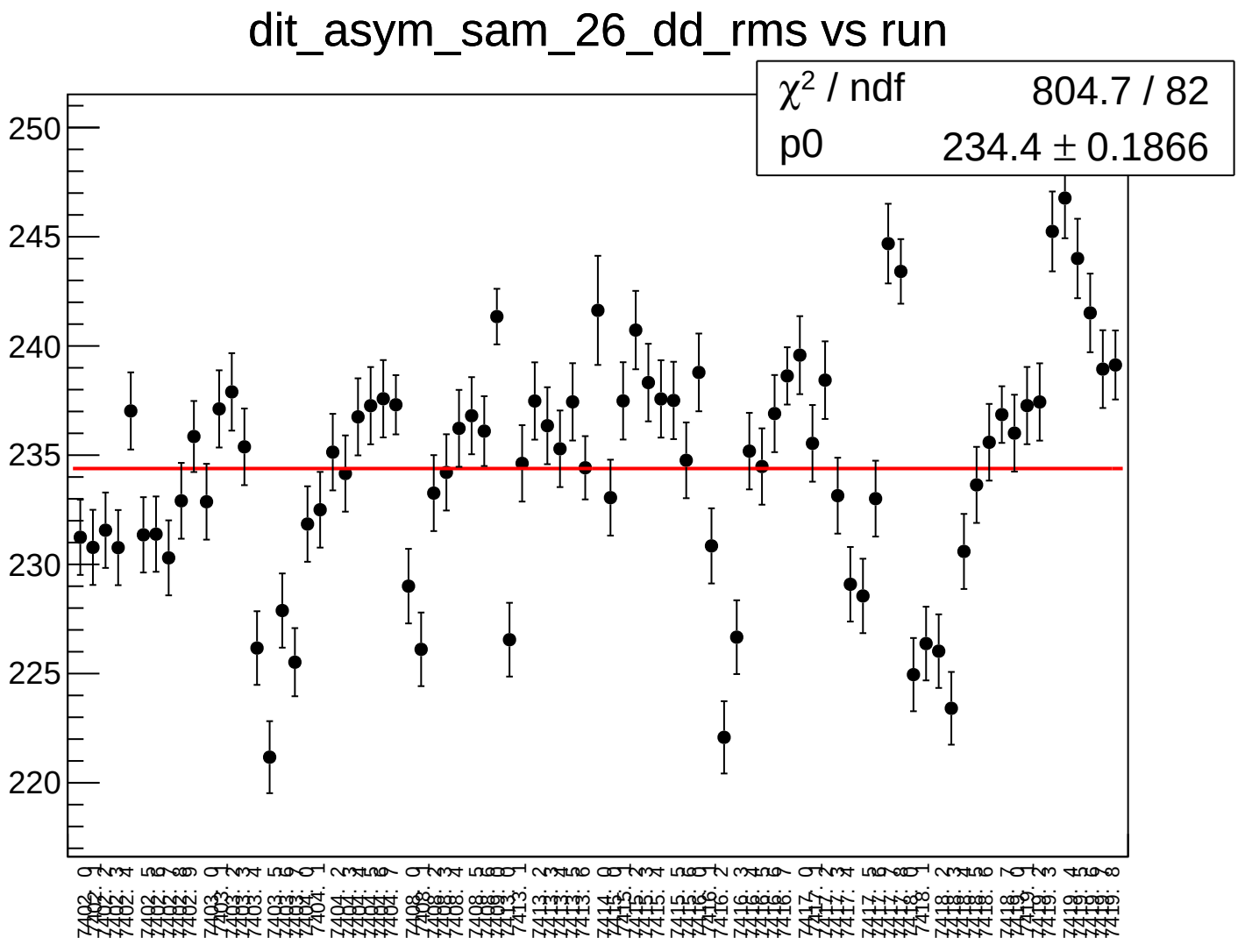

asym_sam_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.66 / 82
p0 −1510 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 360.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

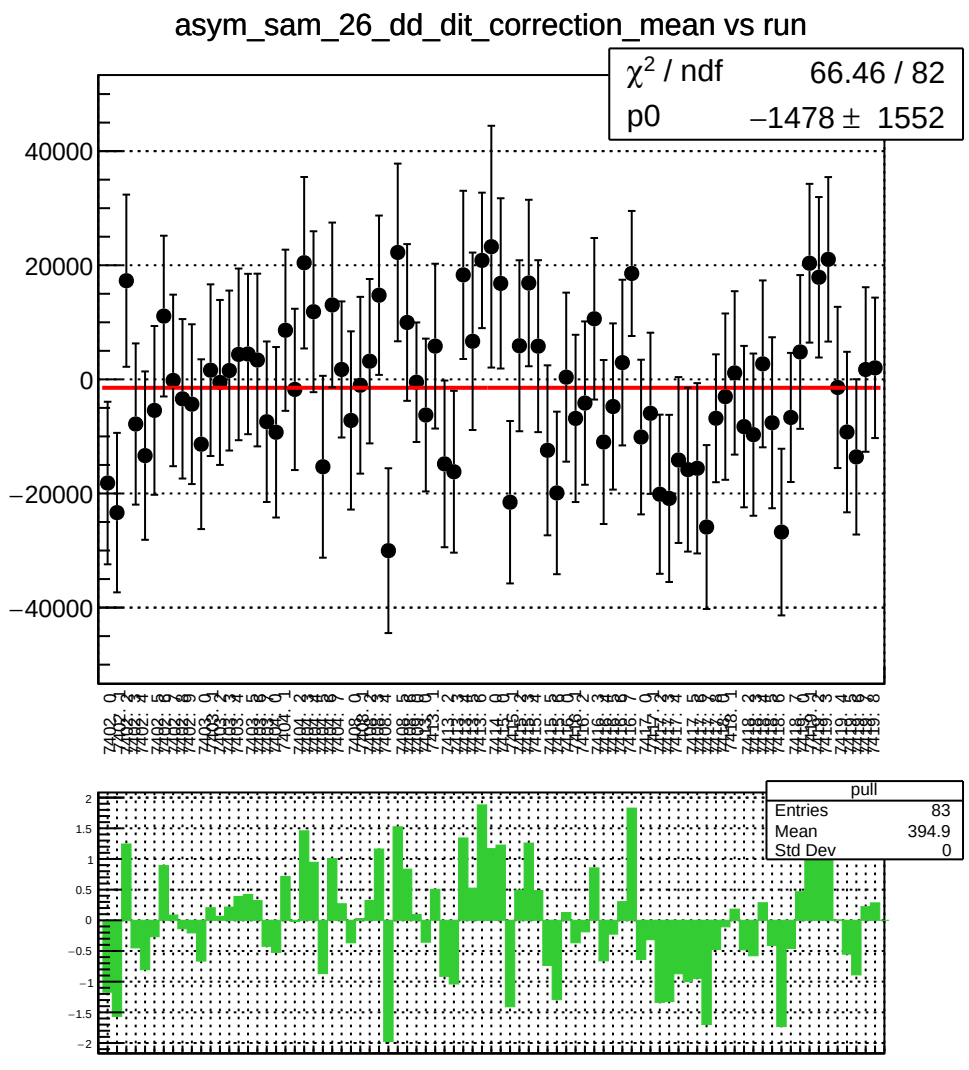

pull1D
Entries 83
Mean −0.004047
Std Dev 0.8894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

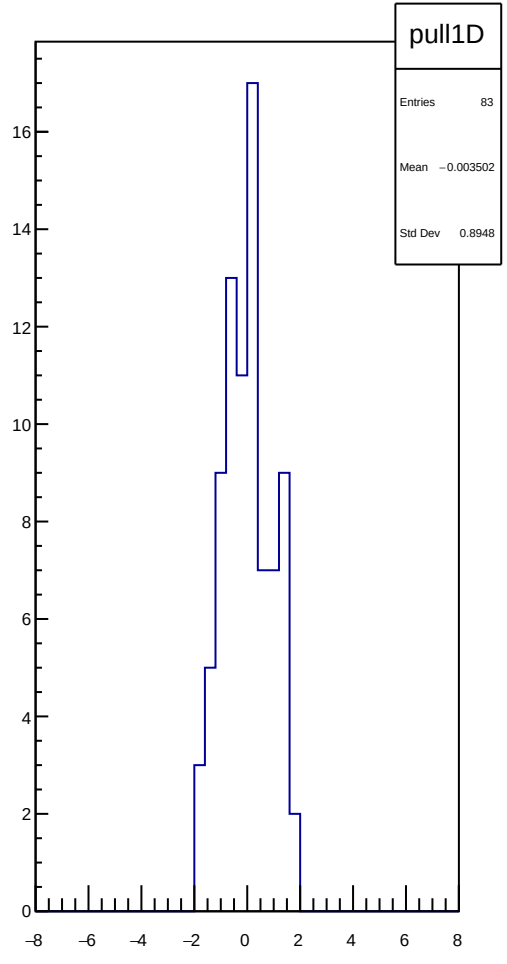

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2132 / 82
p0 1329 ± 1.058
1450
1400
1350
1300
1250
1200

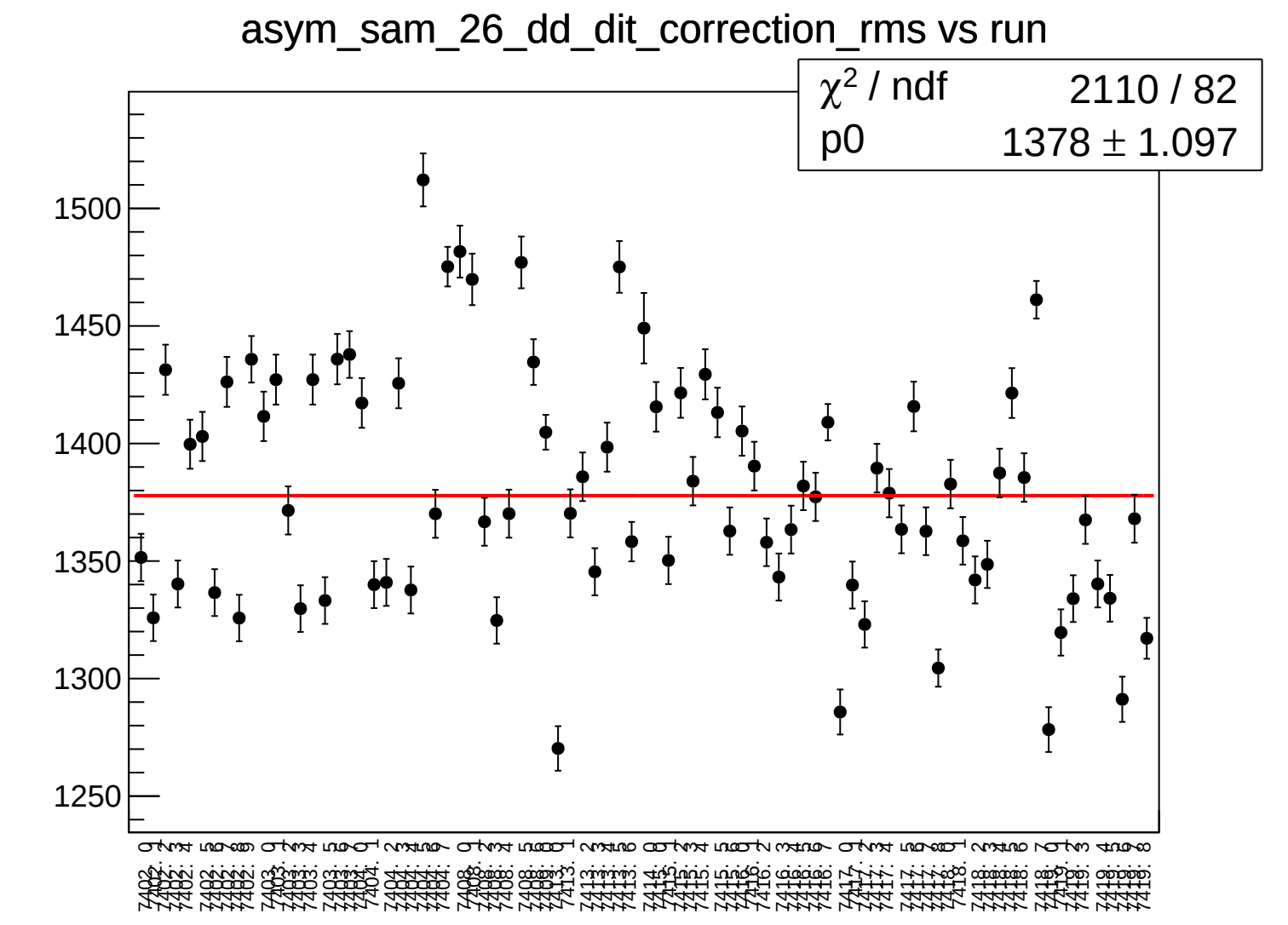

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 70.64 / 82
p0 83.55 ± 263.9
pull
Entries 83
Mean 292.1
Std Dev 0

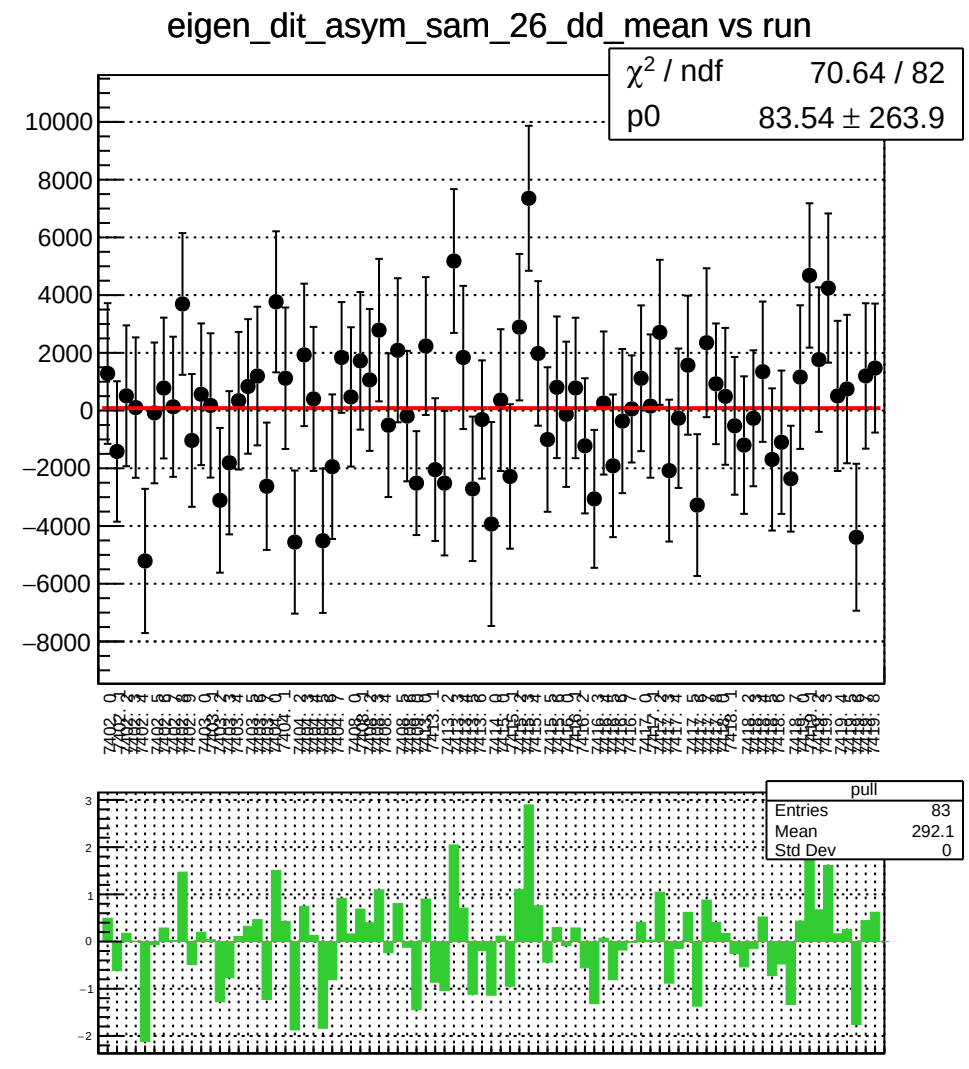

pull1D
Entries 83
Mean 0.006919
Std Dev 0.9225

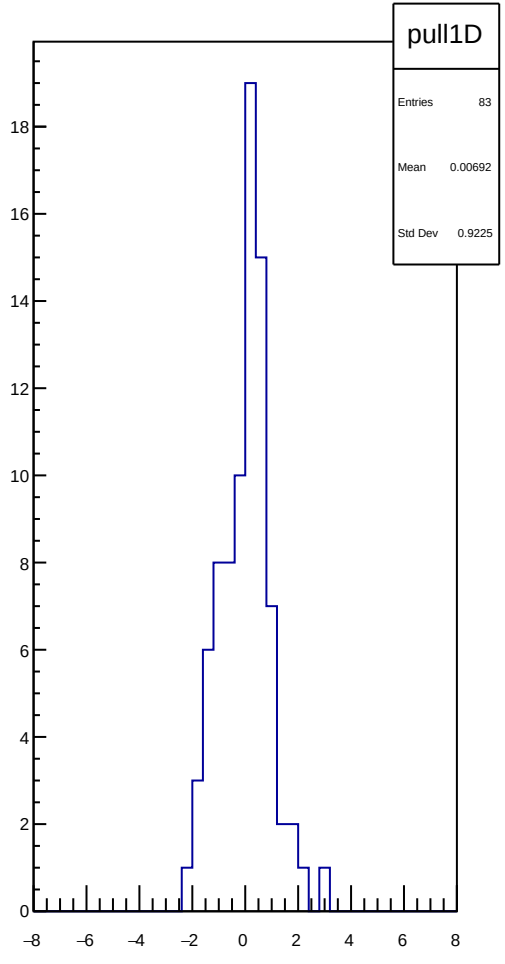

dit_asym_sam_26_dd_rms vs run
χ² / ndf 804.7 / 82
p0 234.4 ± 0.1866
250
245
240
235
230
225
220

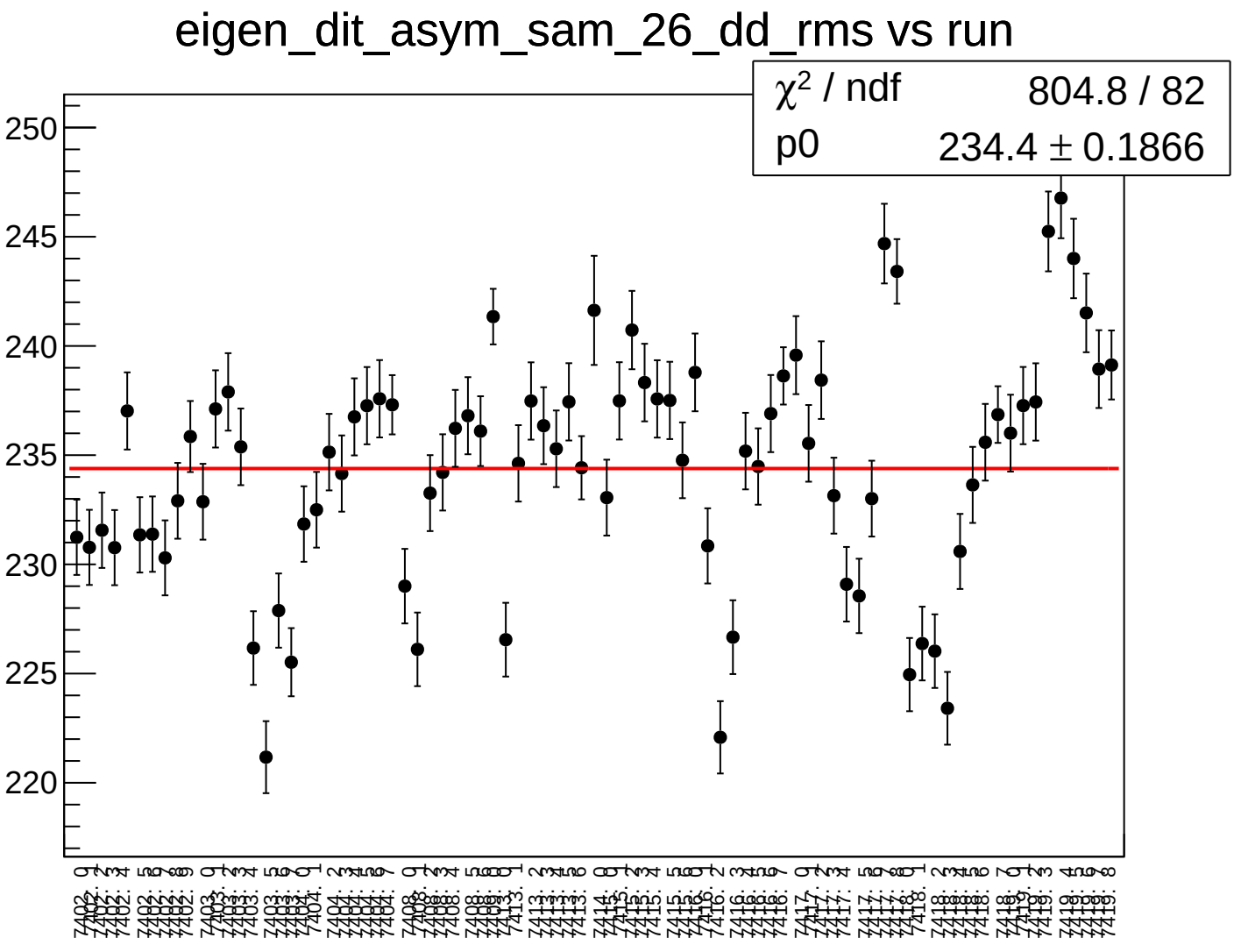

asym_sam_26_dd_dit_correction_mean vs run
χ² / ndf 66.46 / 82
p0 −1478 ± 1552
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 394.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

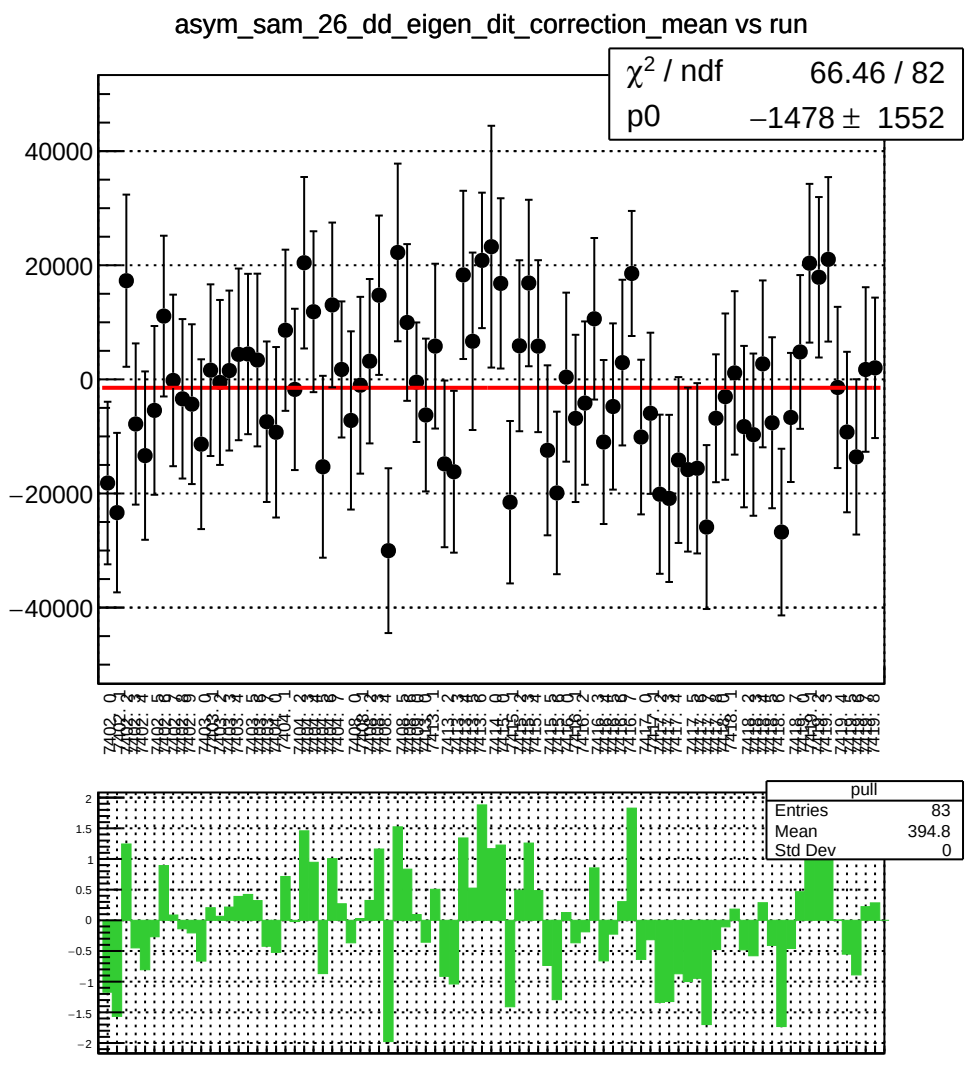

pull1D
Entries 83
Mean −0.003502
Std Dev 0.8948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

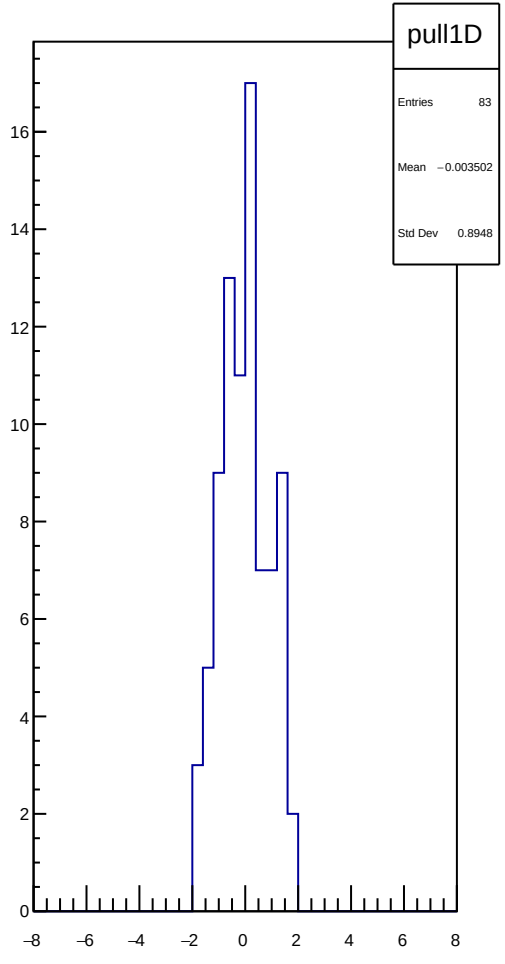

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2110 / 82
p0 1378 ± 1.097
1500
1450
1400
1350
1300
1250

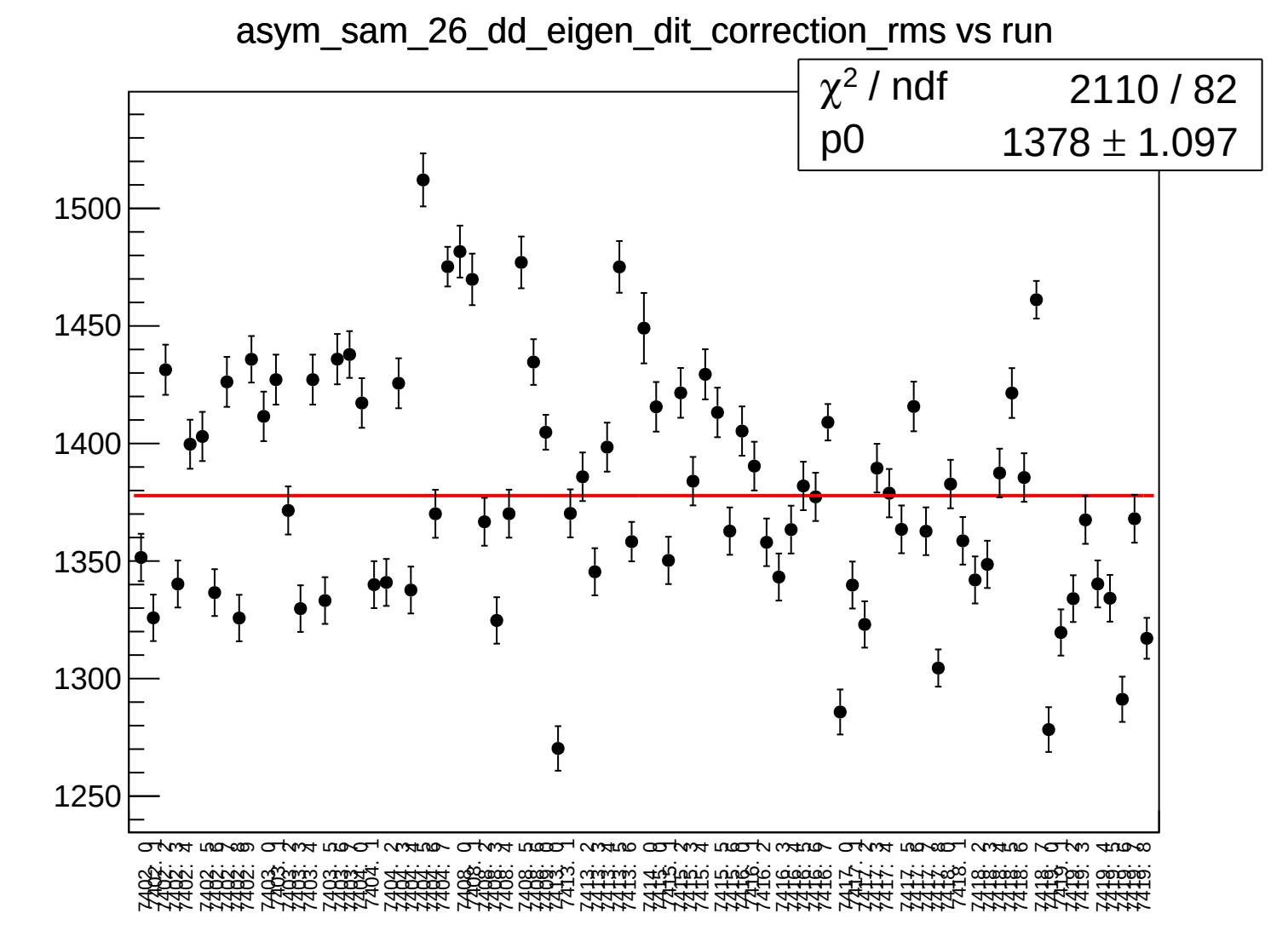

eigen_dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 70.64 / 82
p0 83.54 ± 263.9
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 292.1
Std Dev 0
3
2
1
0
−1
−2

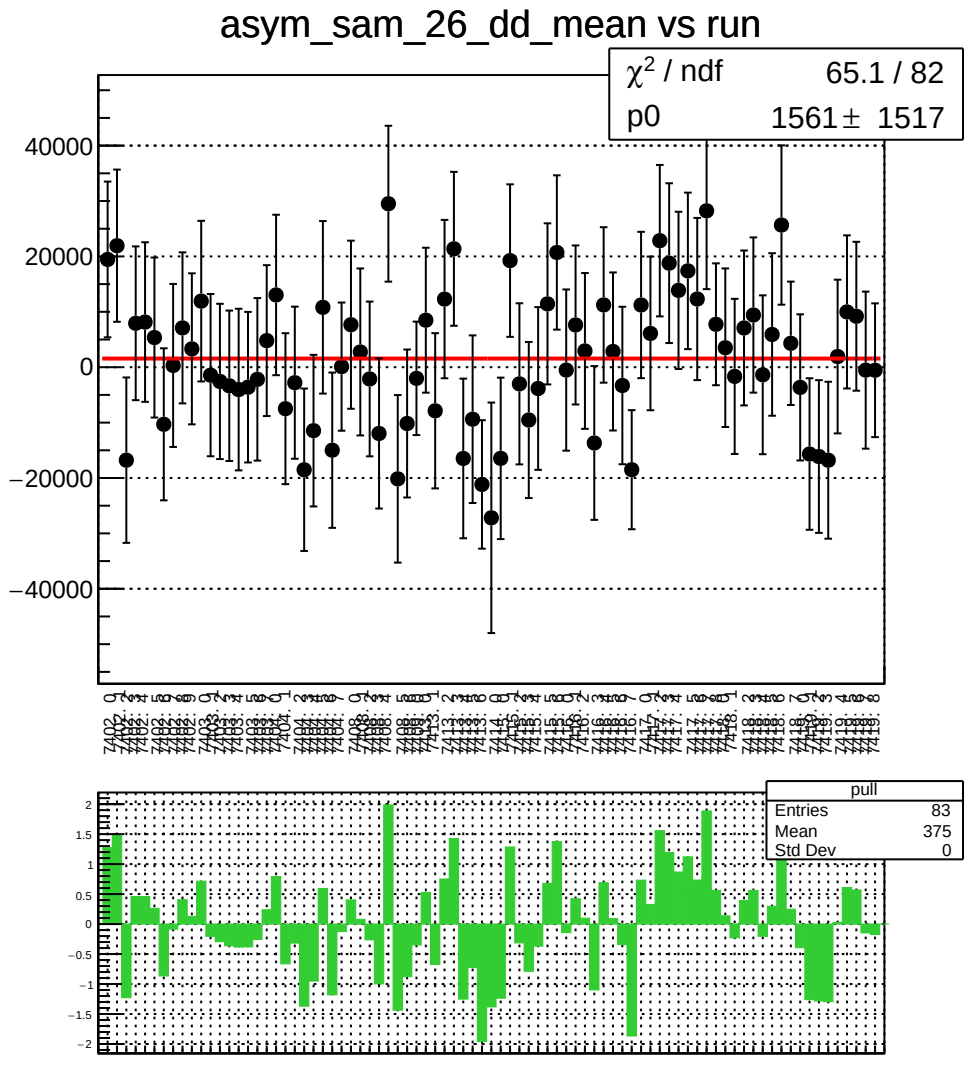

pull1D
Entries 83
Mean 0.00692
Std Dev 0.9225
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

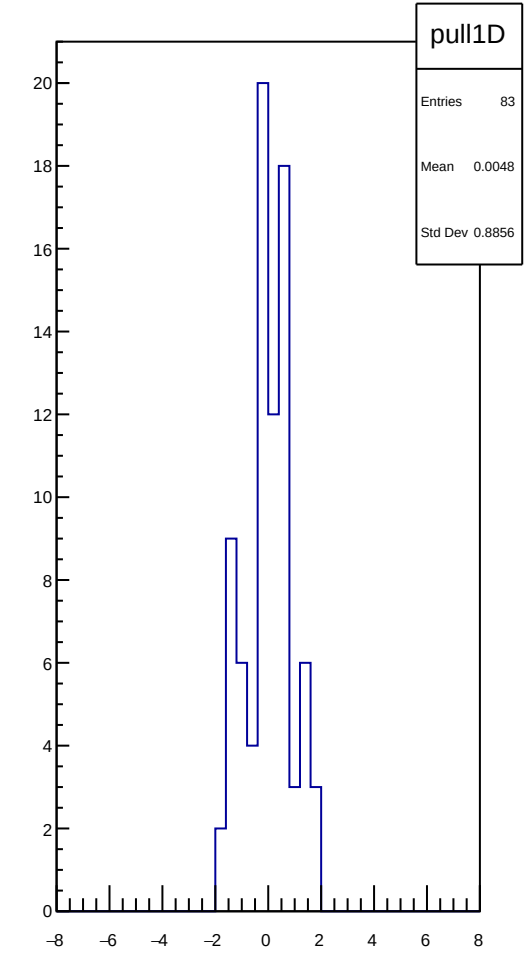

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 804.8 / 82
p0 234.4 ± 0.1866
250
245
240
235
230
225
220

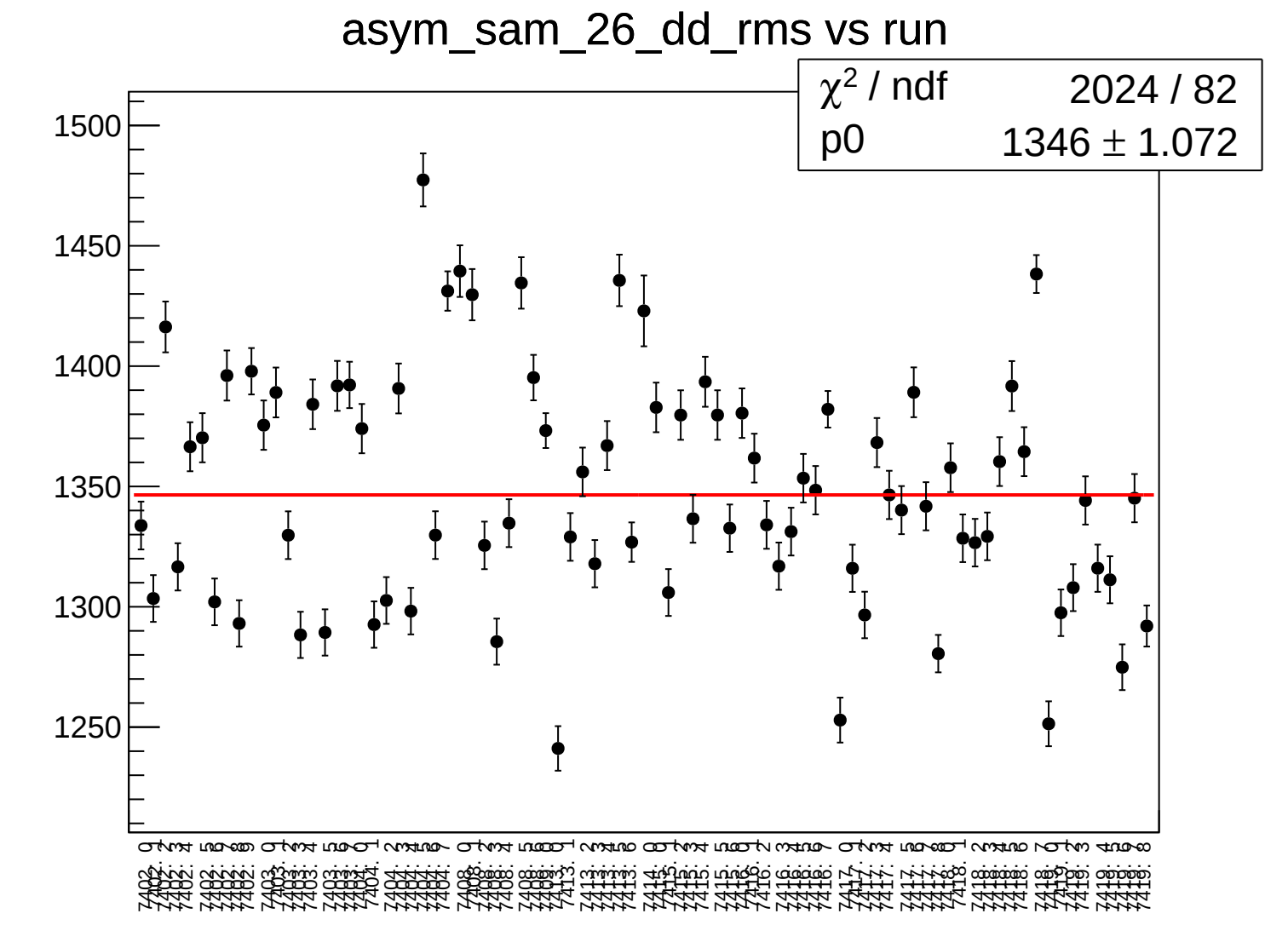

asym_sam_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.46 / 82
p0 −1478 ± 1552
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 394.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

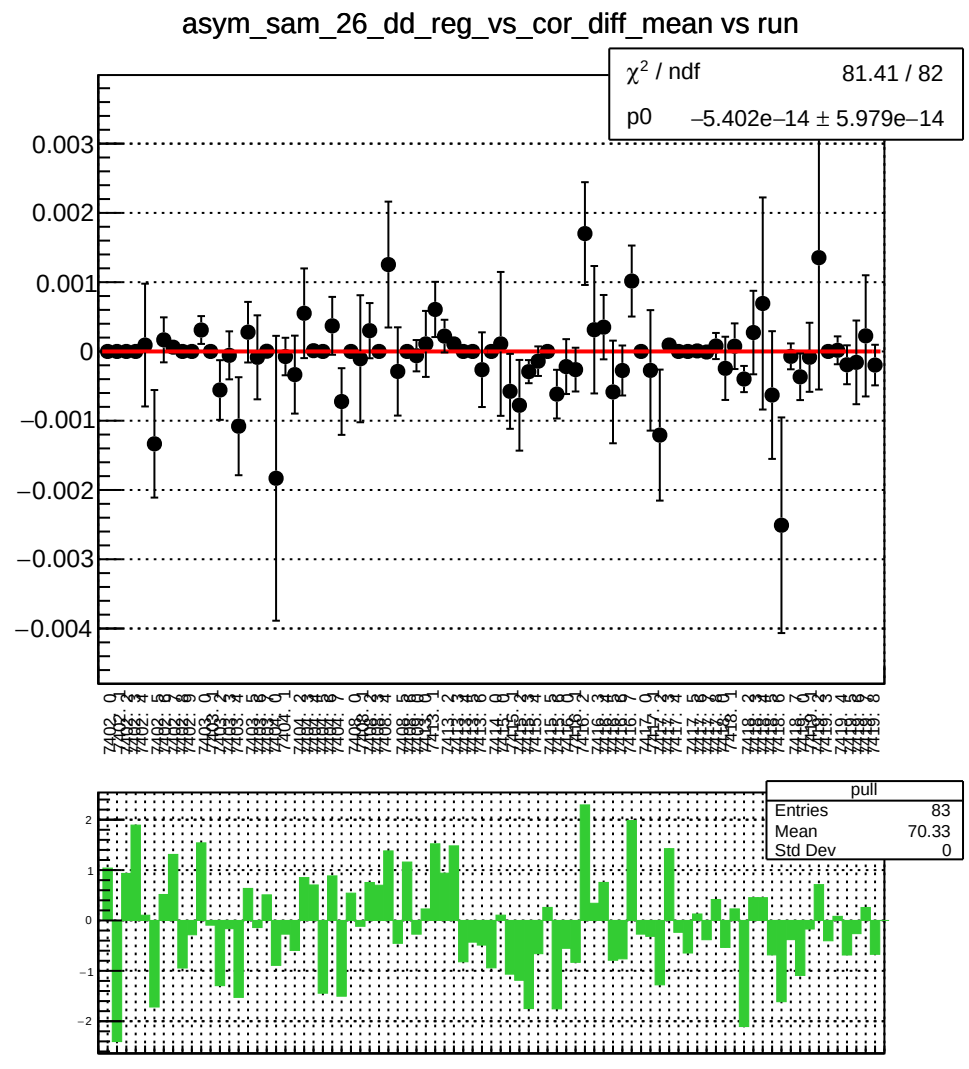

pull1D
Entries 83
Mean −0.003502
Std Dev 0.8948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

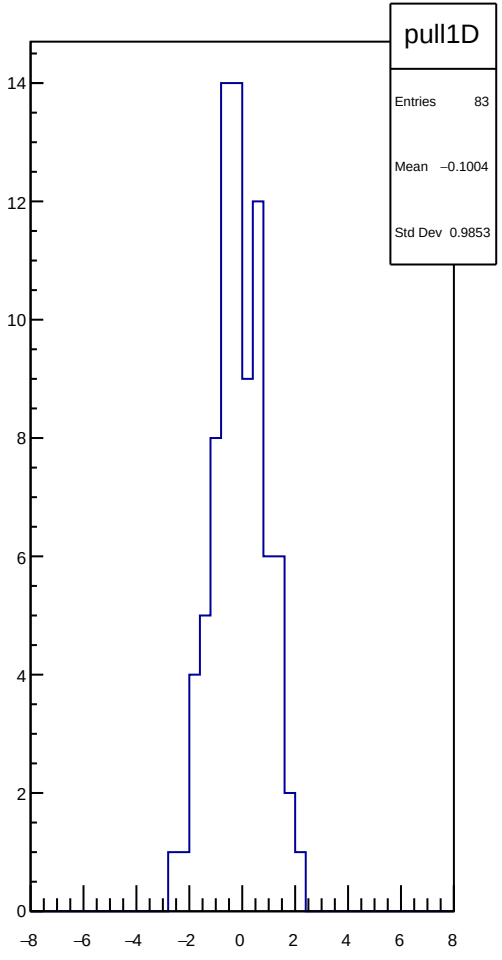

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2110 / 82
p0 1378 ± 1.097
1500
1450
1400
1350
1300
1250

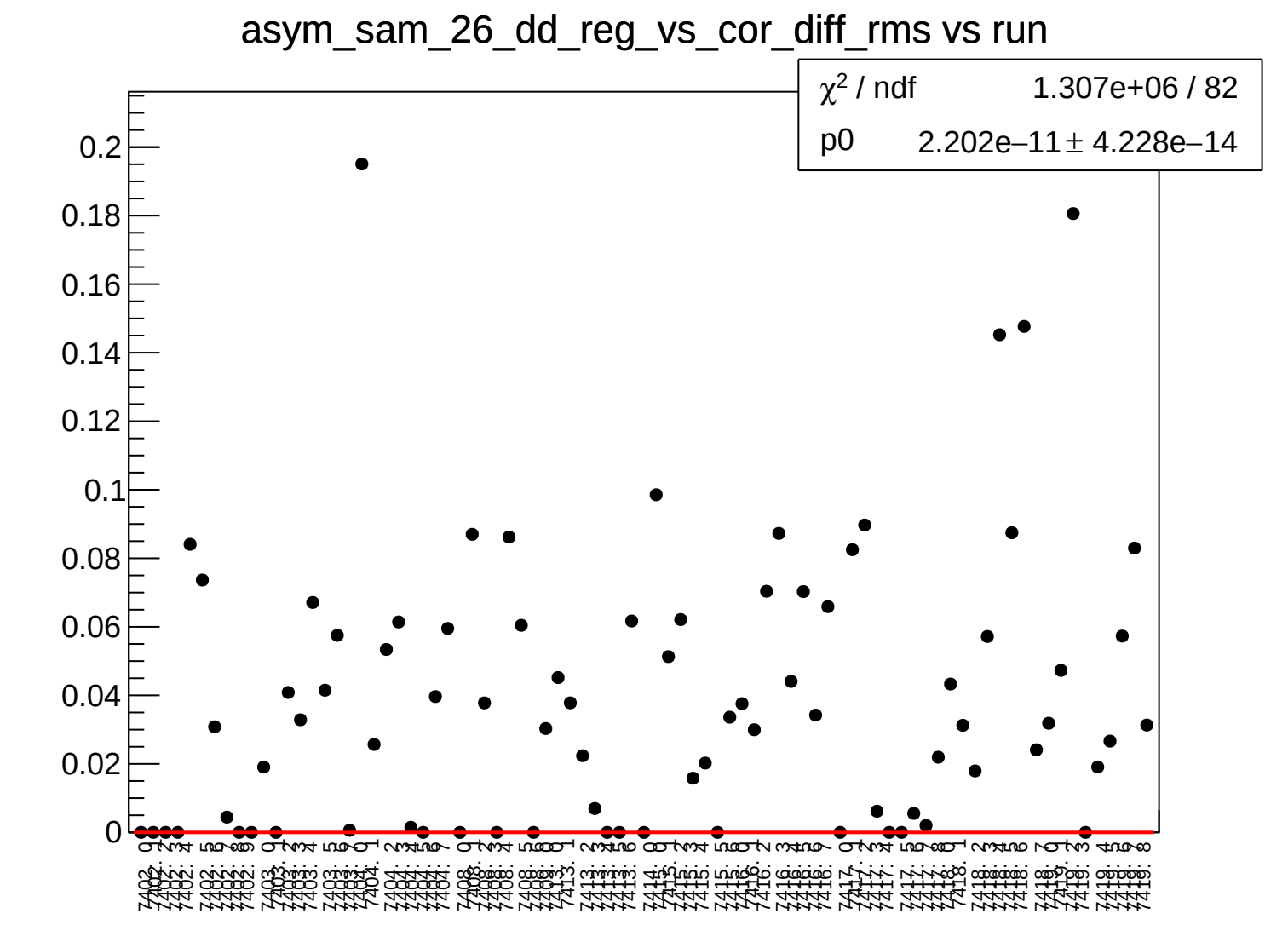

asym_sam_26_dd_mean vs run
χ² / ndf 65.1 / 82
p0 1561 ± 1517
40000
20000
0
−20000
−40000
pull
Entries 83
Mean 375
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

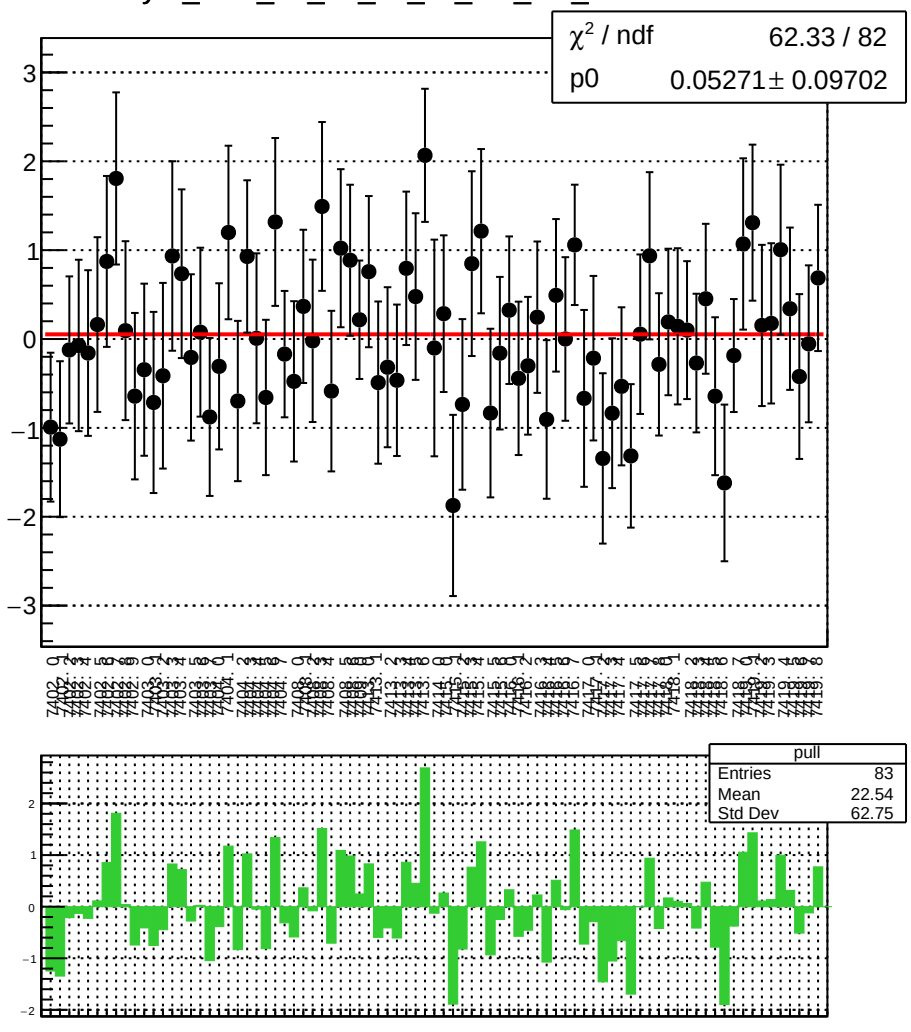

pull1D
Entries 83
Mean 0.0048
Std Dev 0.8856
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

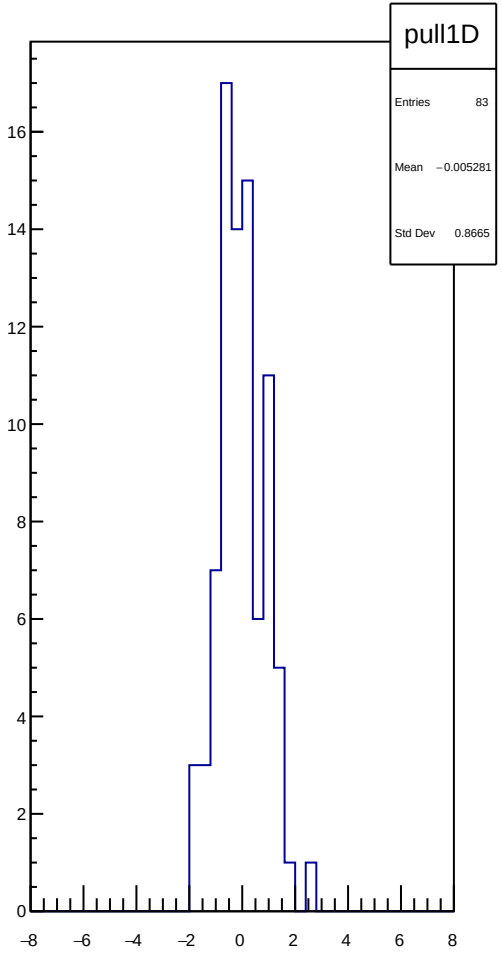

asym_sam_26_dd_rms vs run
χ² / ndf 2024 / 82
p0 1346 ± 1.072
1500
1450
1400
1350
1300
1250

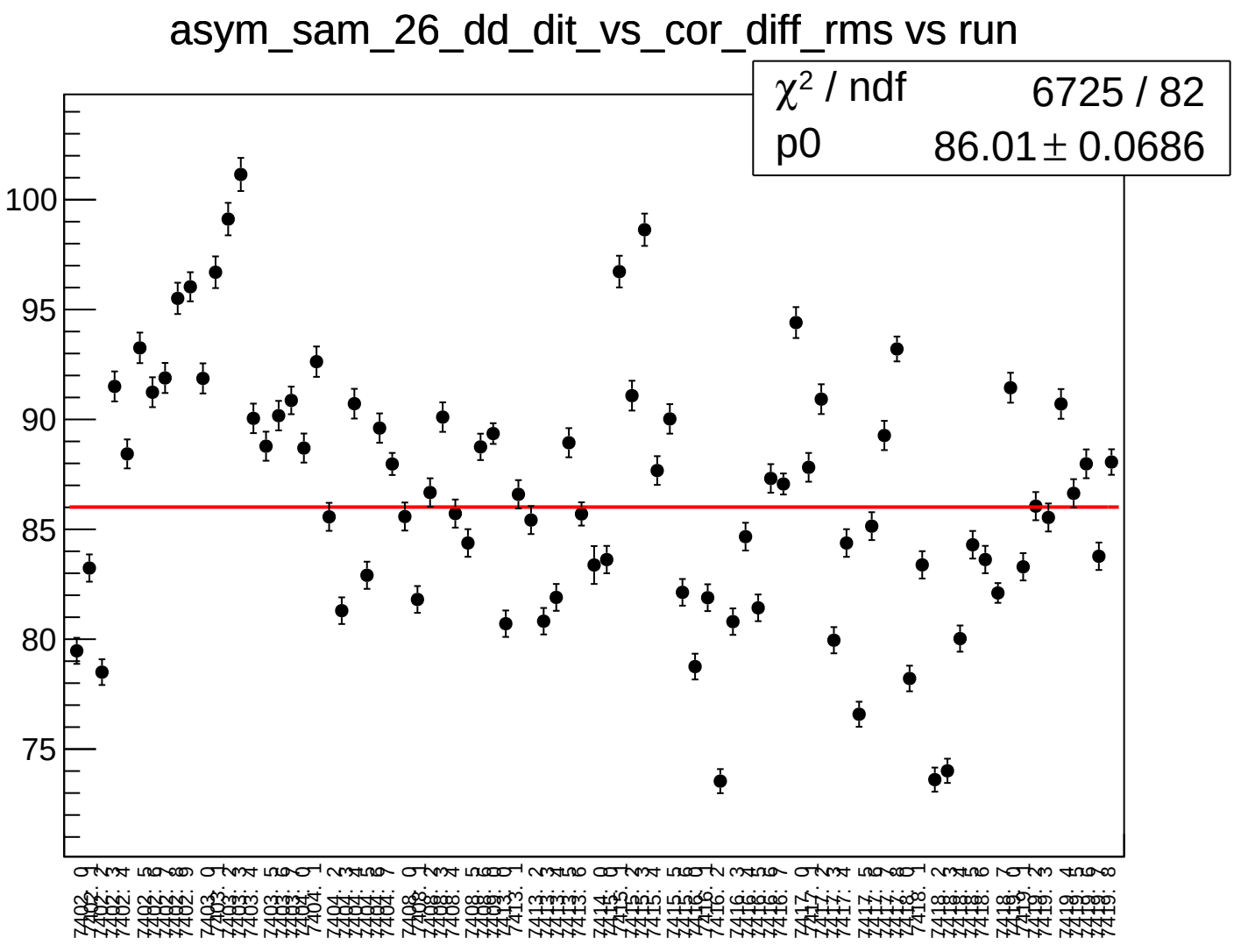

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 81.41 / 82
p0 −5.402e−14 ± 5.979e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 83
Mean 70.33
Std Dev 0

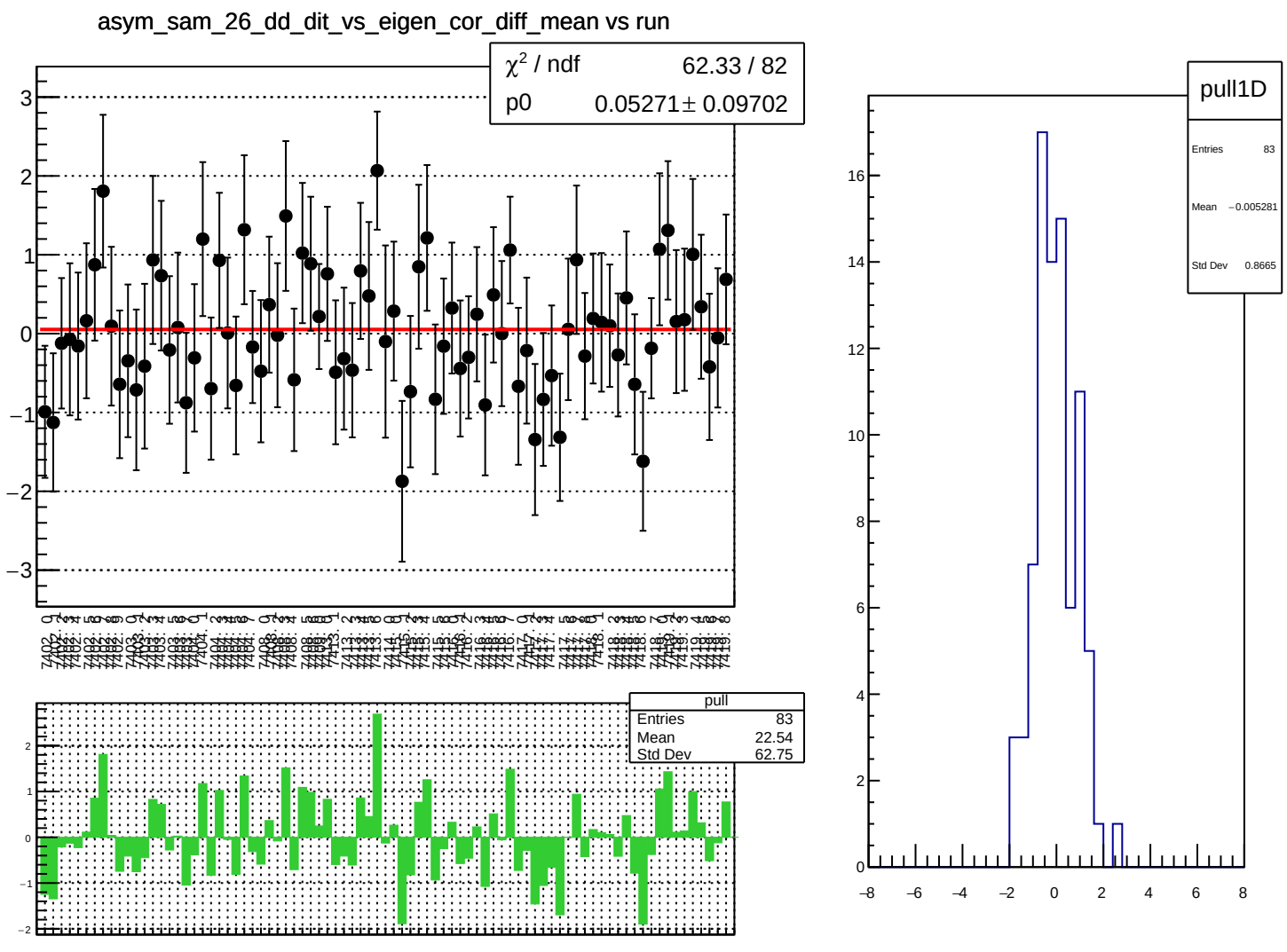

pull1D
Entries 83
Mean −0.1004
Std Dev 0.9853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

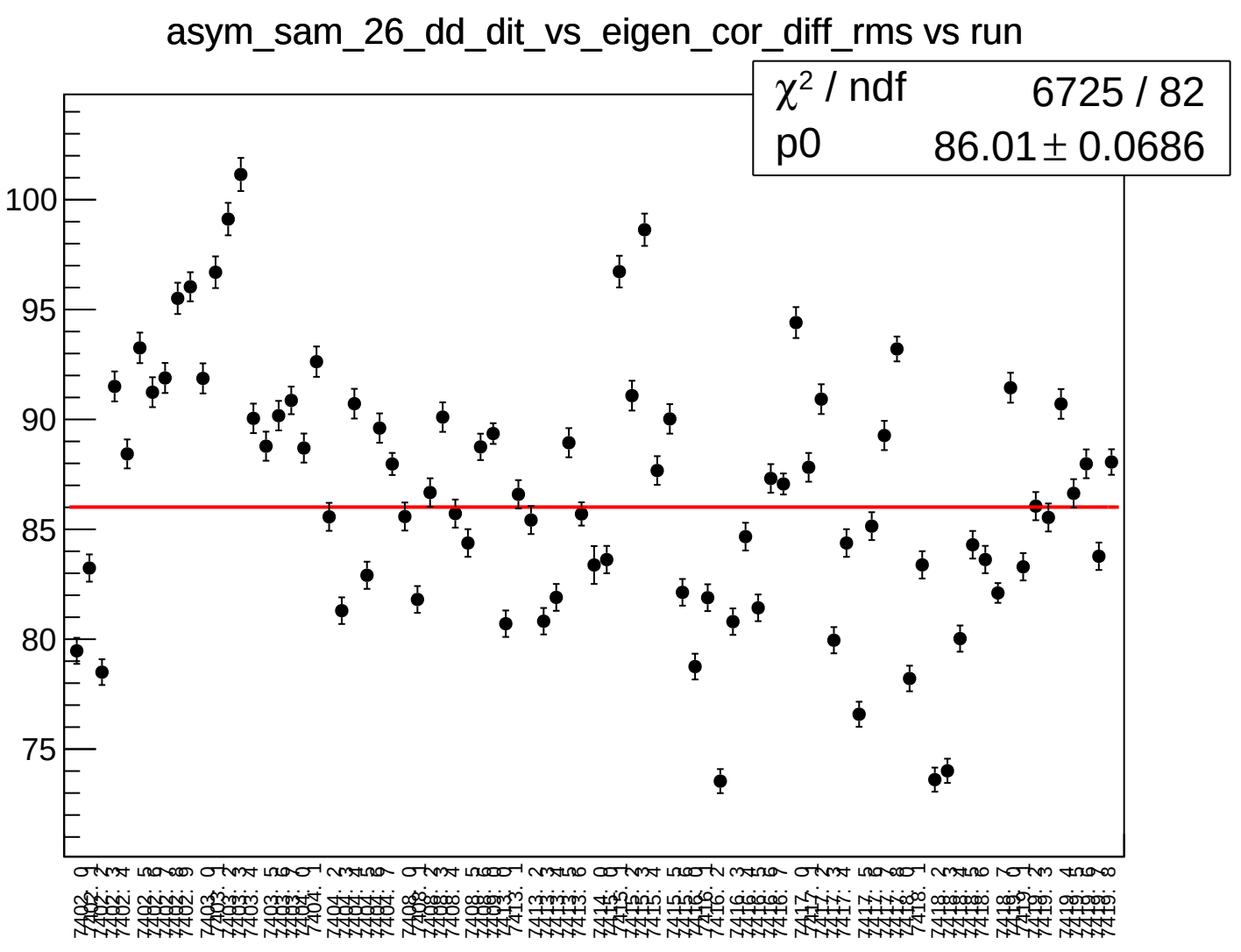

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.307e+06 / 82
p0 2.202e−11 ± 4.228e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

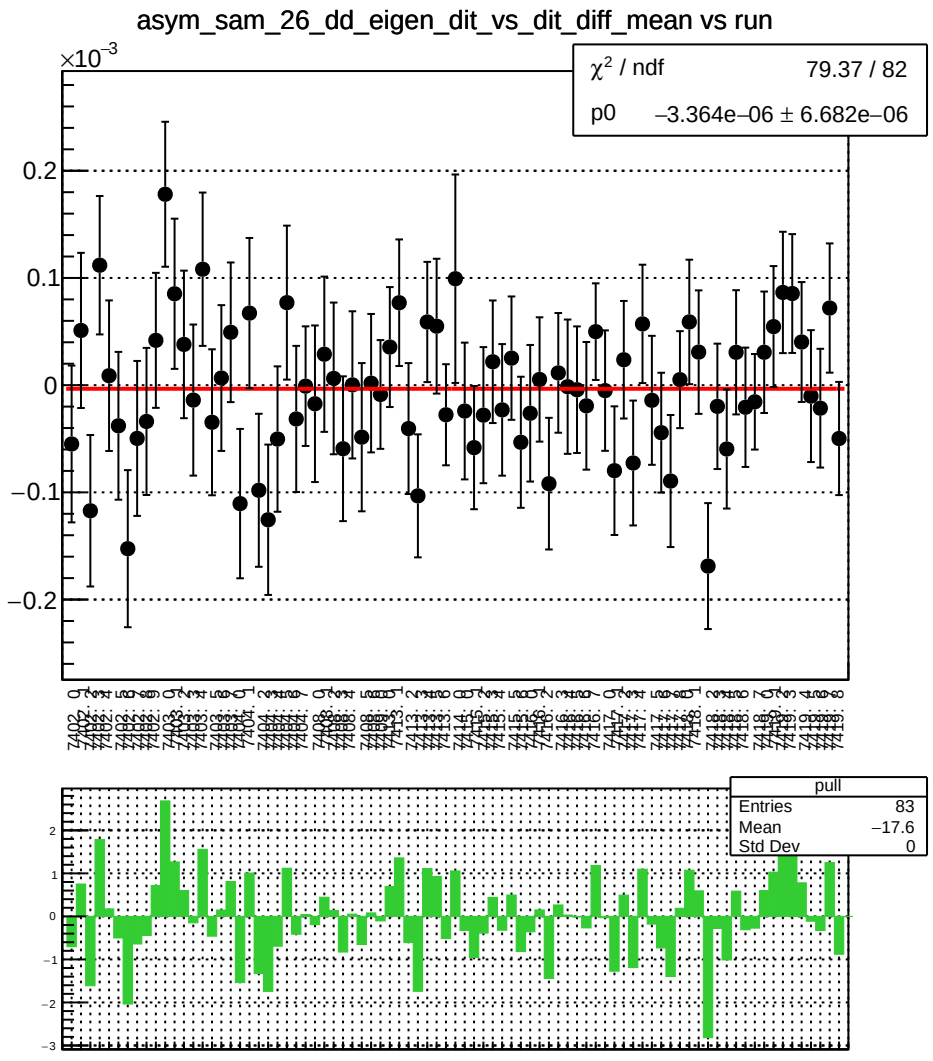

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.33 / 82
p0 0.05271 ± 0.09702
pull
Entries 83
Mean 22.54
Std Dev 62.75

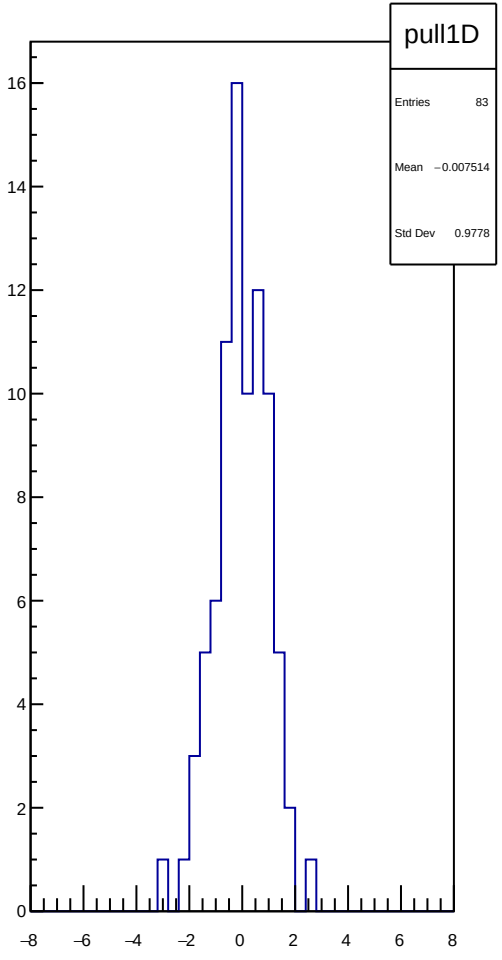

pull1D
Entries 83
Mean −0.005281
Std Dev 0.8665

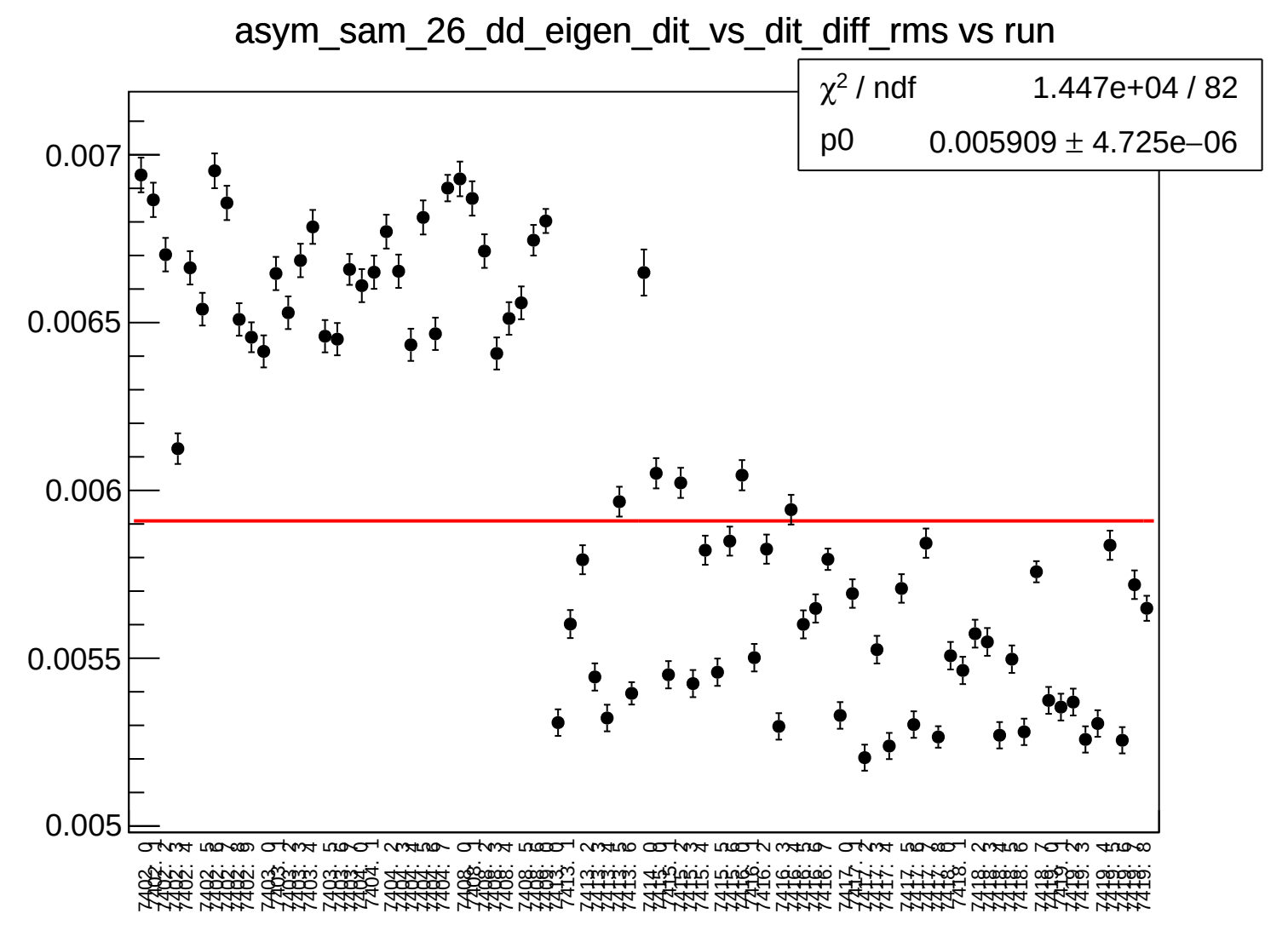

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6725 / 82
p0 86.01 ± 0.0686
100
95
90
85
80
75

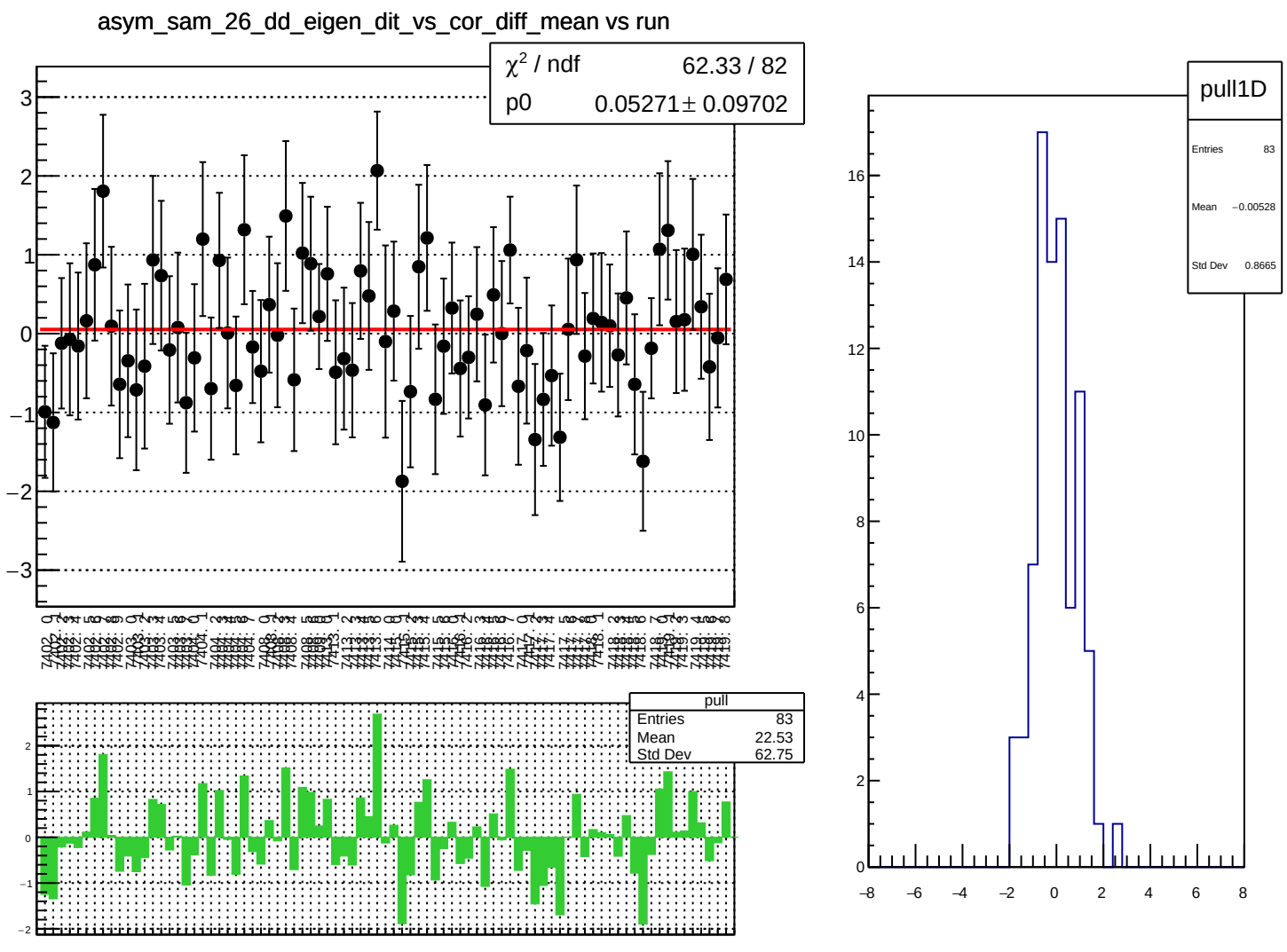

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.33 / 82
p0 0.05271 ± 0.09702
pull
Entries 83
Mean 22.54
Std Dev 62.75
pull1D
Entries 83
Mean −0.005281
Std Dev 0.8665

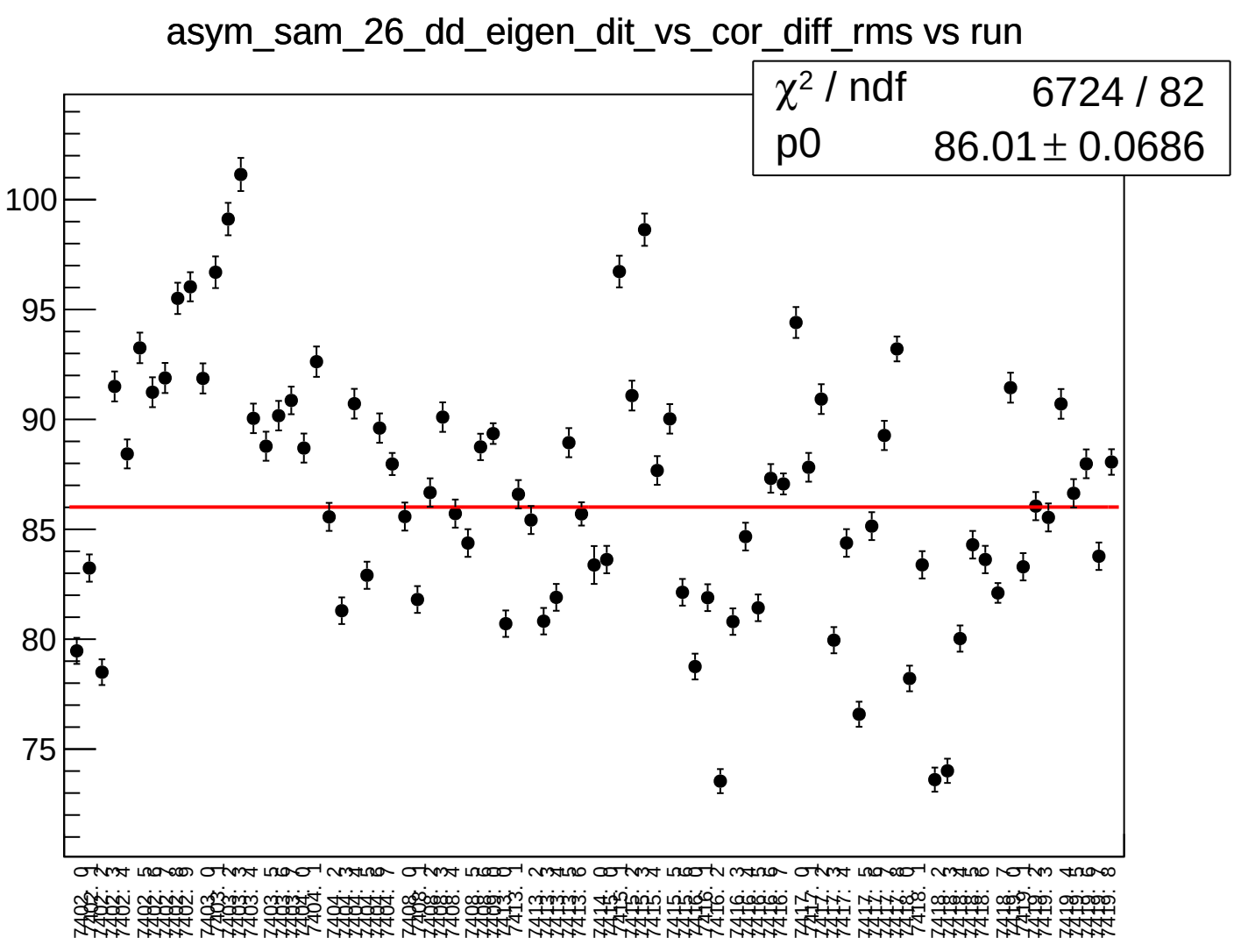

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6725 / 82
p0 86.01 ± 0.0686
100
95
90
85
80
75

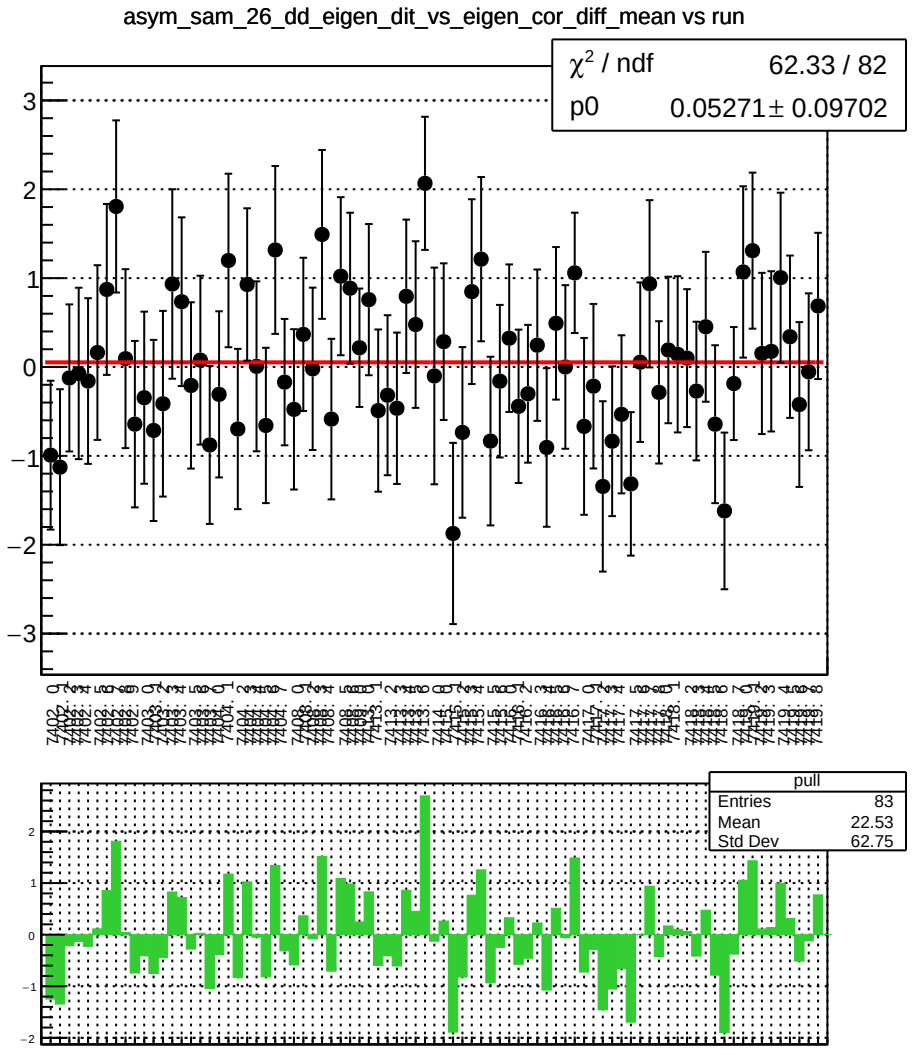

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.37 / 82
p0 −3.364e−06 ± 6.682e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 83
Mean −17.6
Std Dev 0
2
1
0
−1
−2
−3

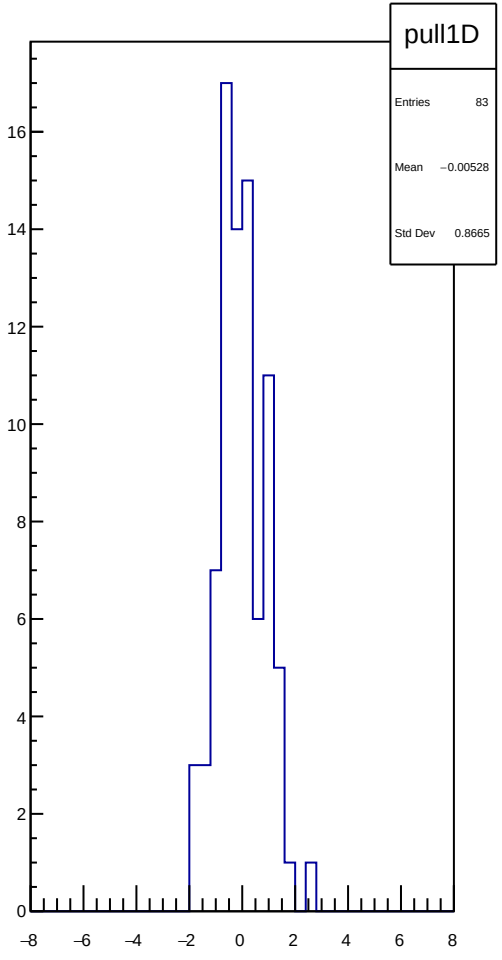

pull1D
Entries 83
Mean −0.007514
Std Dev 0.9778
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

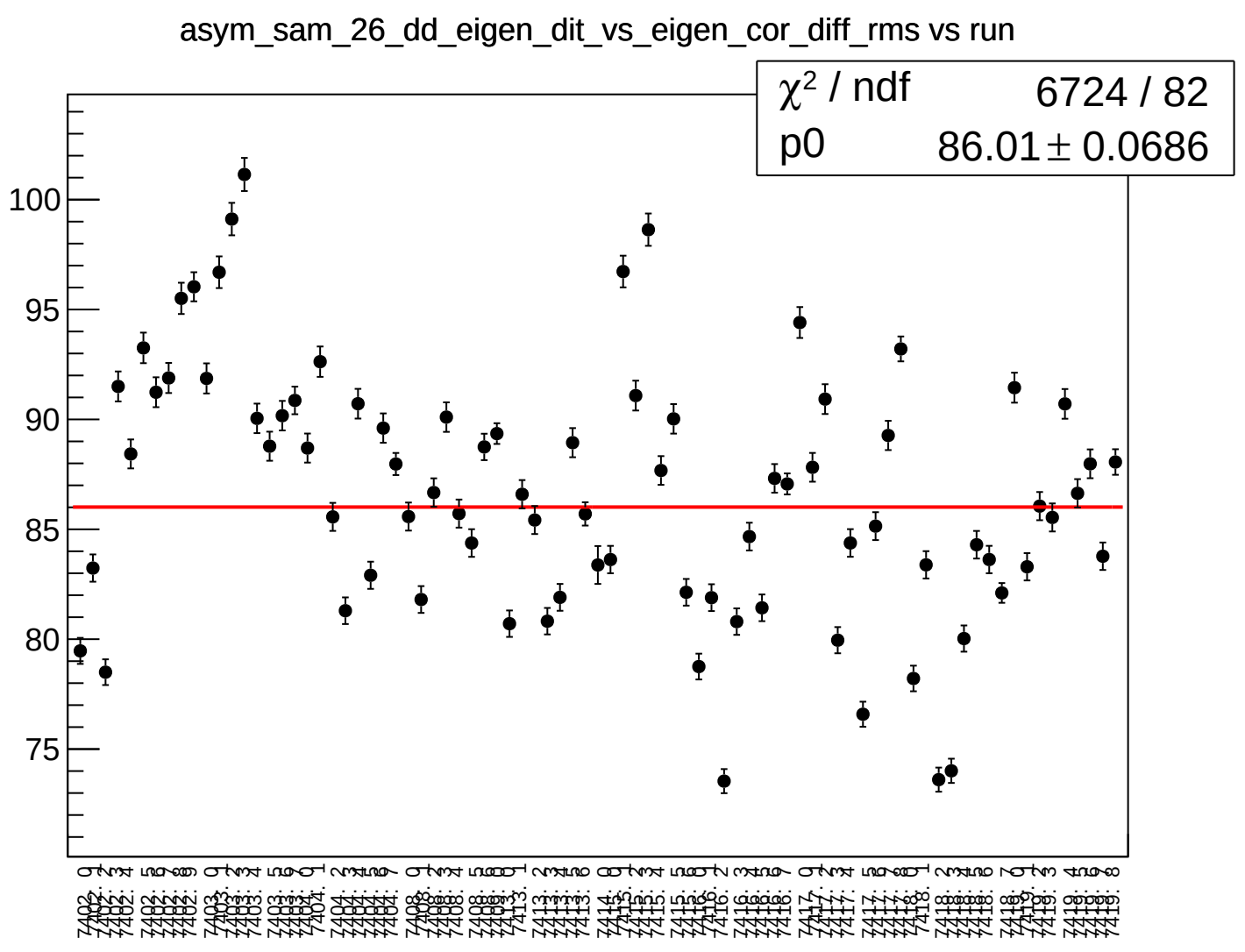

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.447e+04 / 82
p0 0.005909 ± 4.725e−06
0.007
0.0065
0.006
0.0055
0.005

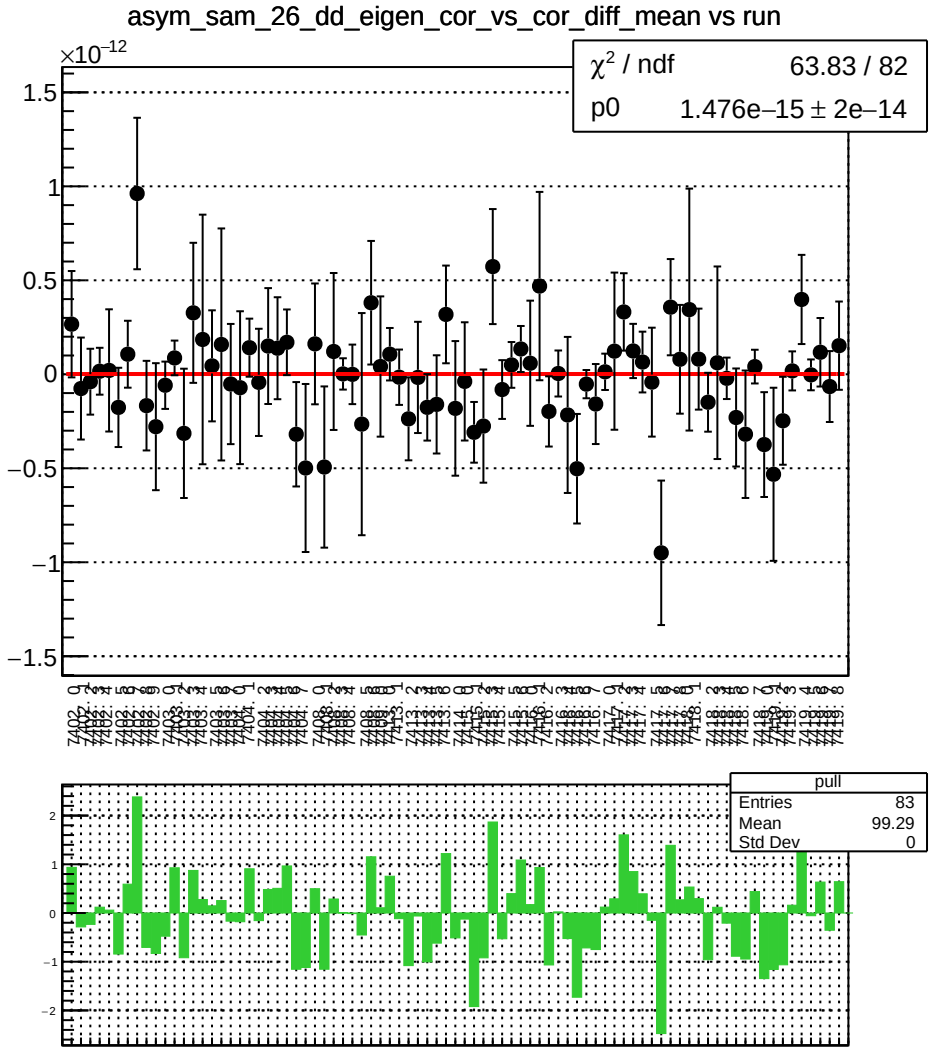

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.33 / 82
p0 0.05271 ± 0.09702
pull
Entries 83
Mean 22.53
Std Dev 62.75
pull1D
Entries 83
Mean −0.00528
Std Dev 0.8665

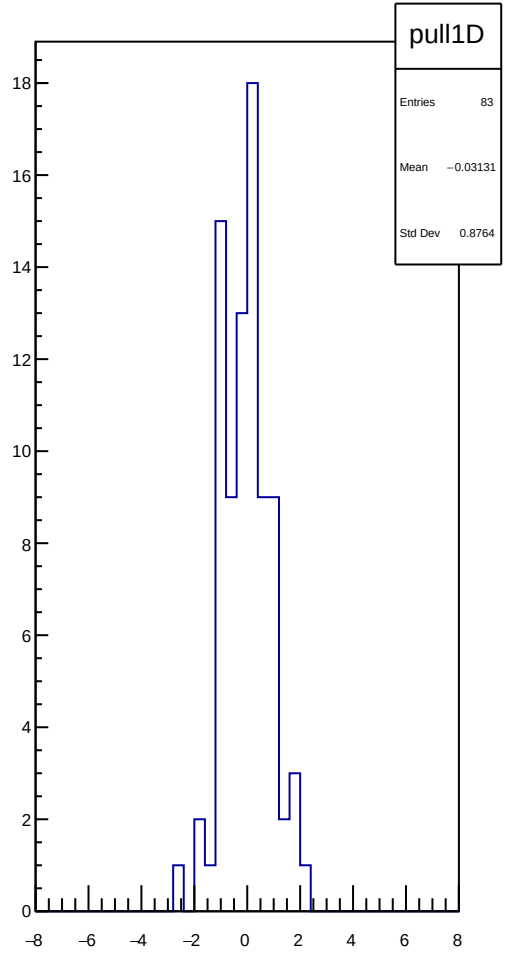

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6724 / 82
p0 86.01 ± 0.0686
100
95
90
85
80
75

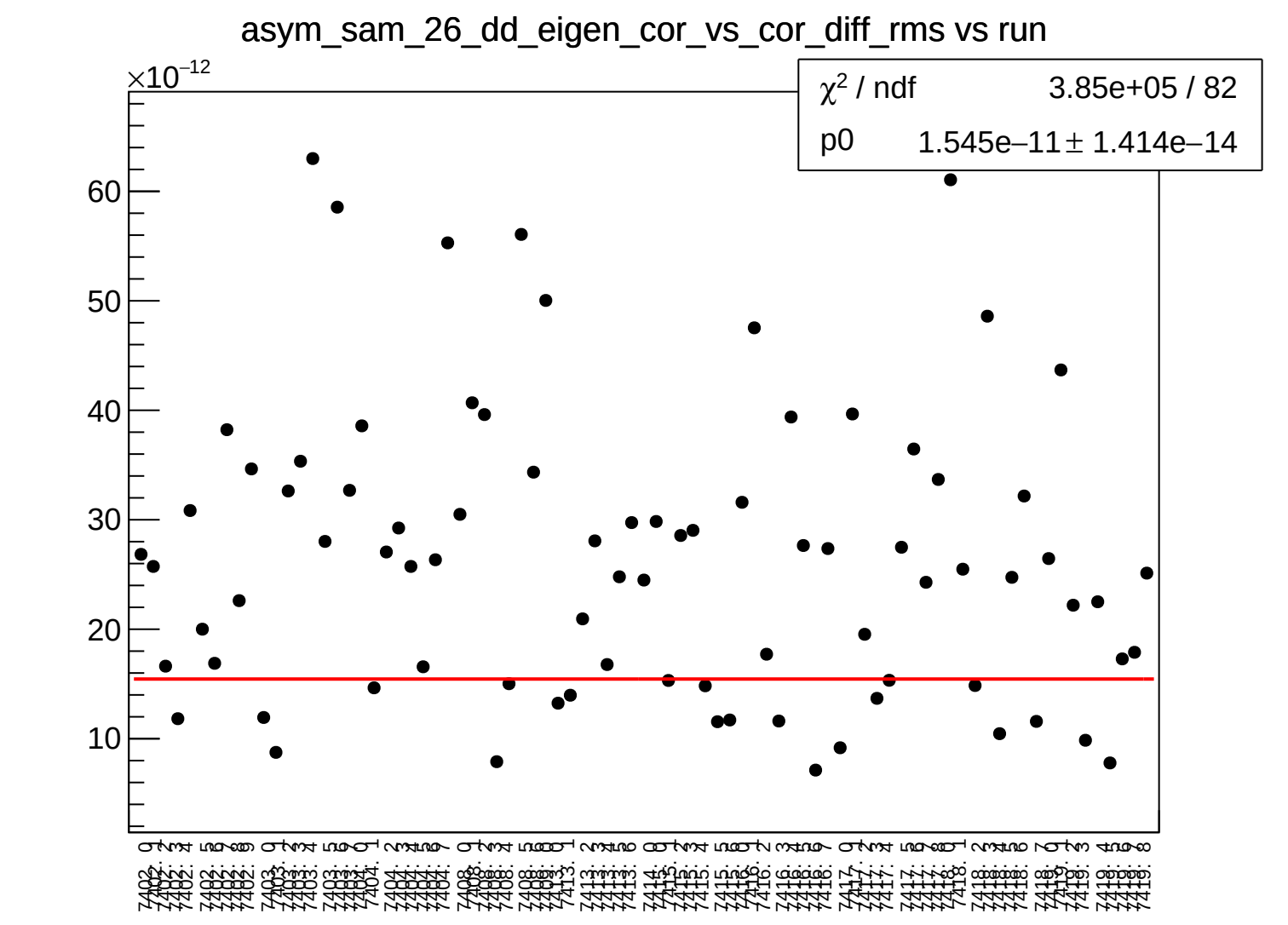

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.33 / 82
p0 0.05271 ± 0.09702
pull
Entries 83
Mean 22.53
Std Dev 62.75

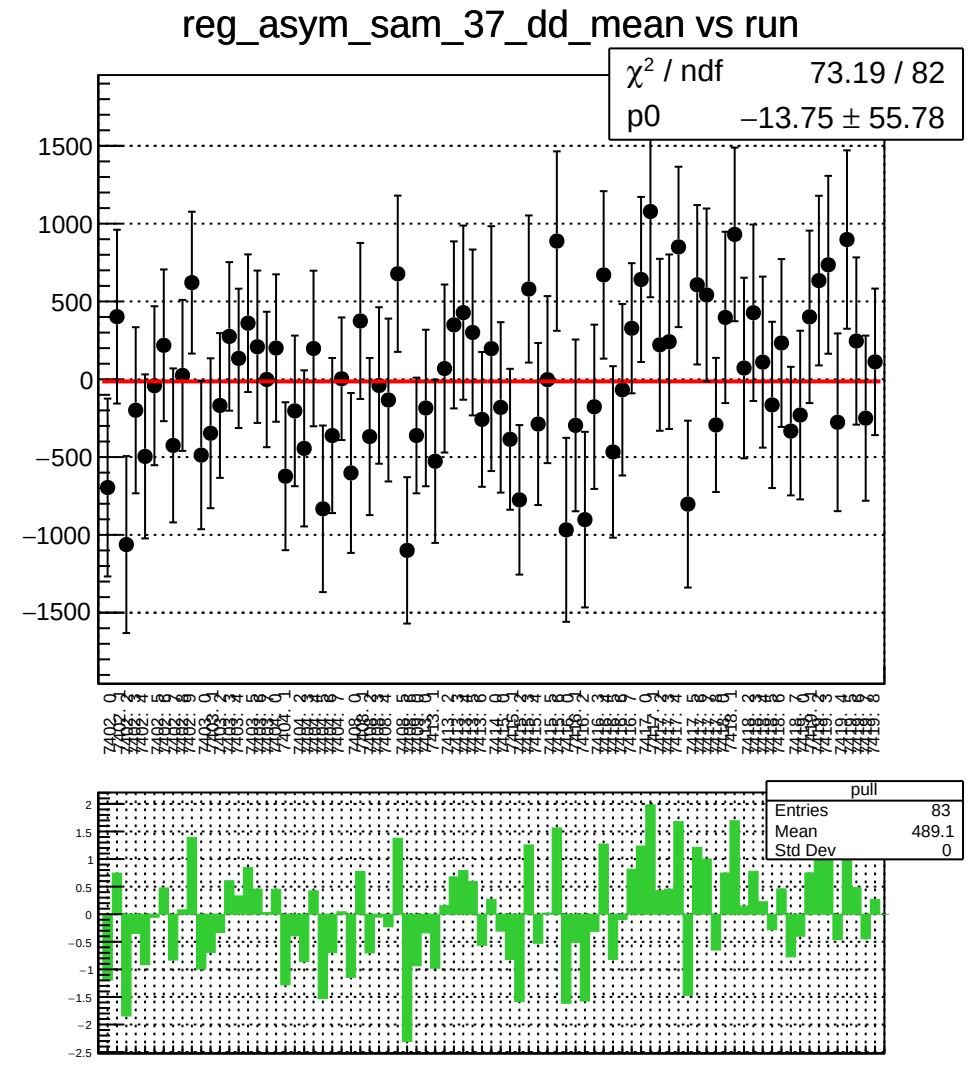

pull1D
Entries 83
Mean −0.00528
Std Dev 0.8665

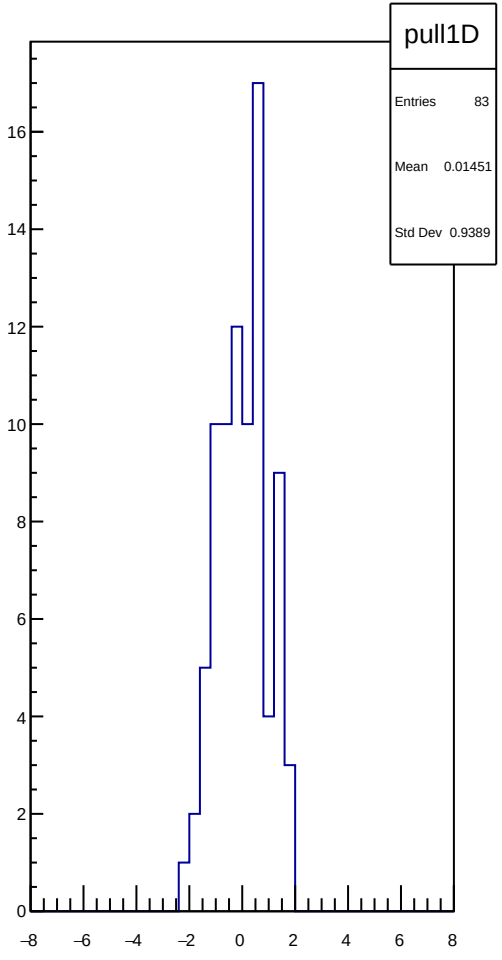

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6724 / 82
p0 86.01 ± 0.0686
100
95
90
85
80
75

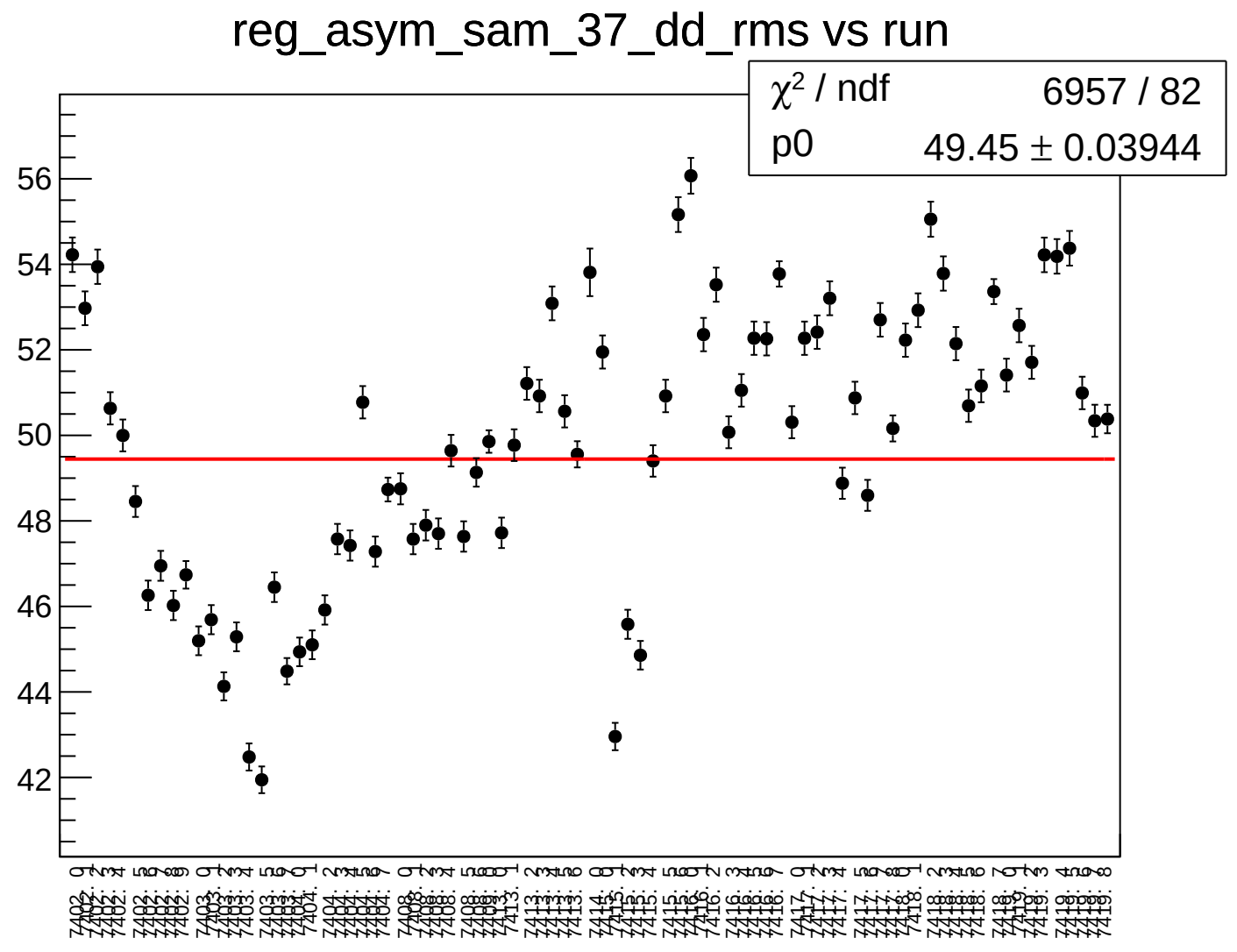

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.83 / 82
p0 1.476e−15 ± 2e−14
pull
Entries 83
Mean 99.29
Std Dev 0

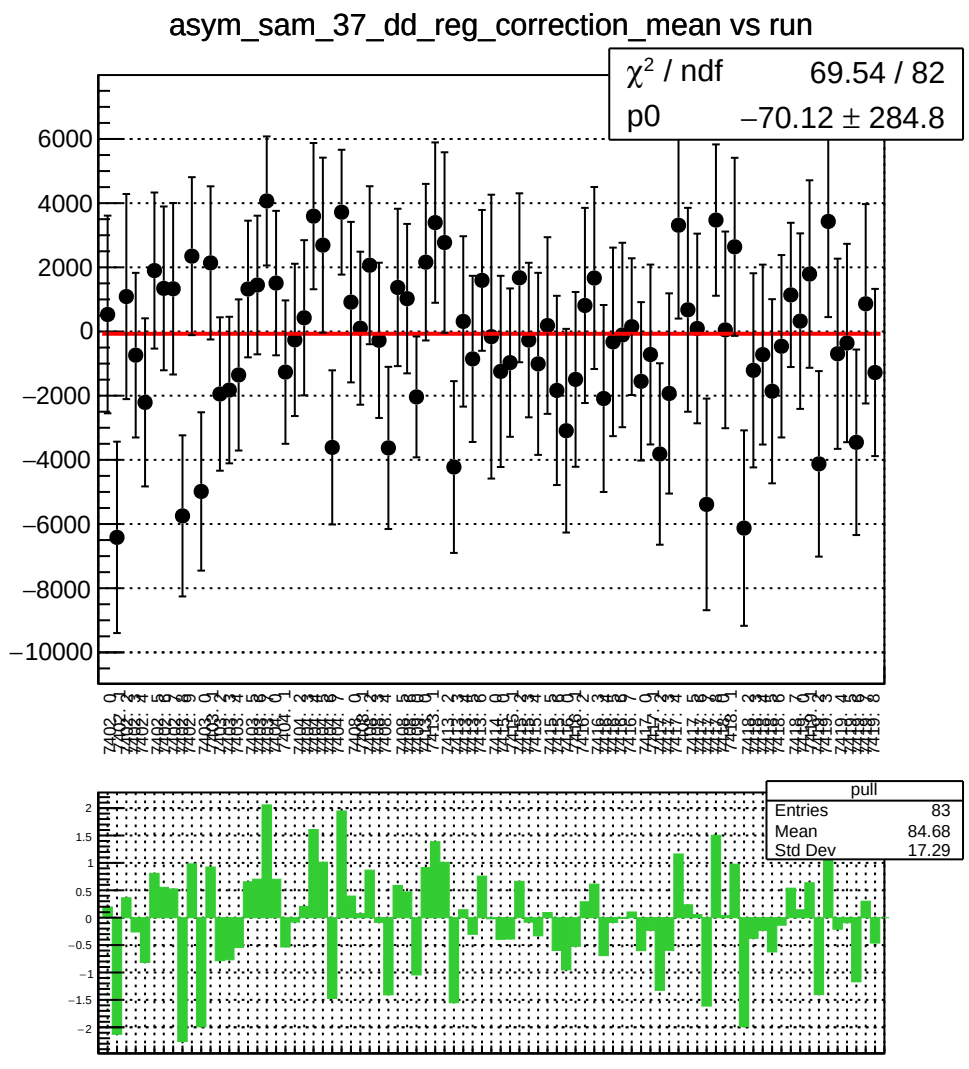

pull1D
Entries 83
Mean −0.03131
Std Dev 0.8764

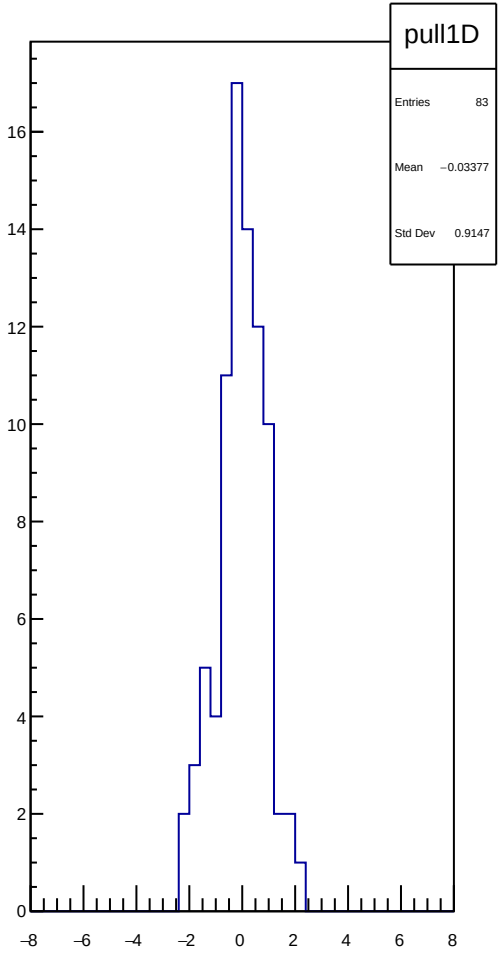

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.85e+05 / 82
p0 1.545e−11 ± 1.414e−14
60
50
40
30
20
10

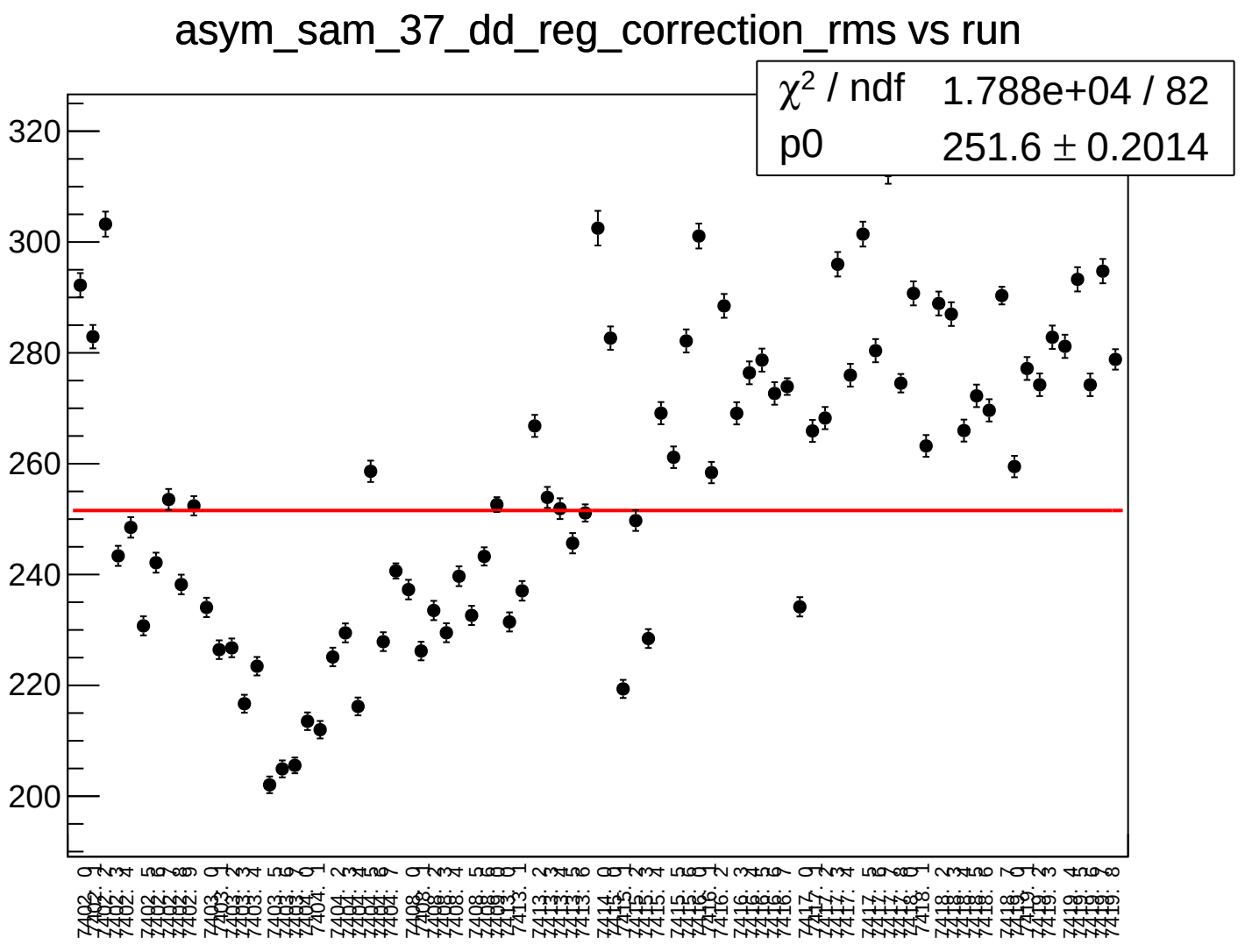

reg_asym_sam_37_dd_mean vs run
χ² / ndf 73.19 / 82
p0 −13.75 ± 55.78
pull
Entries 83
Mean 489.1
Std Dev 0

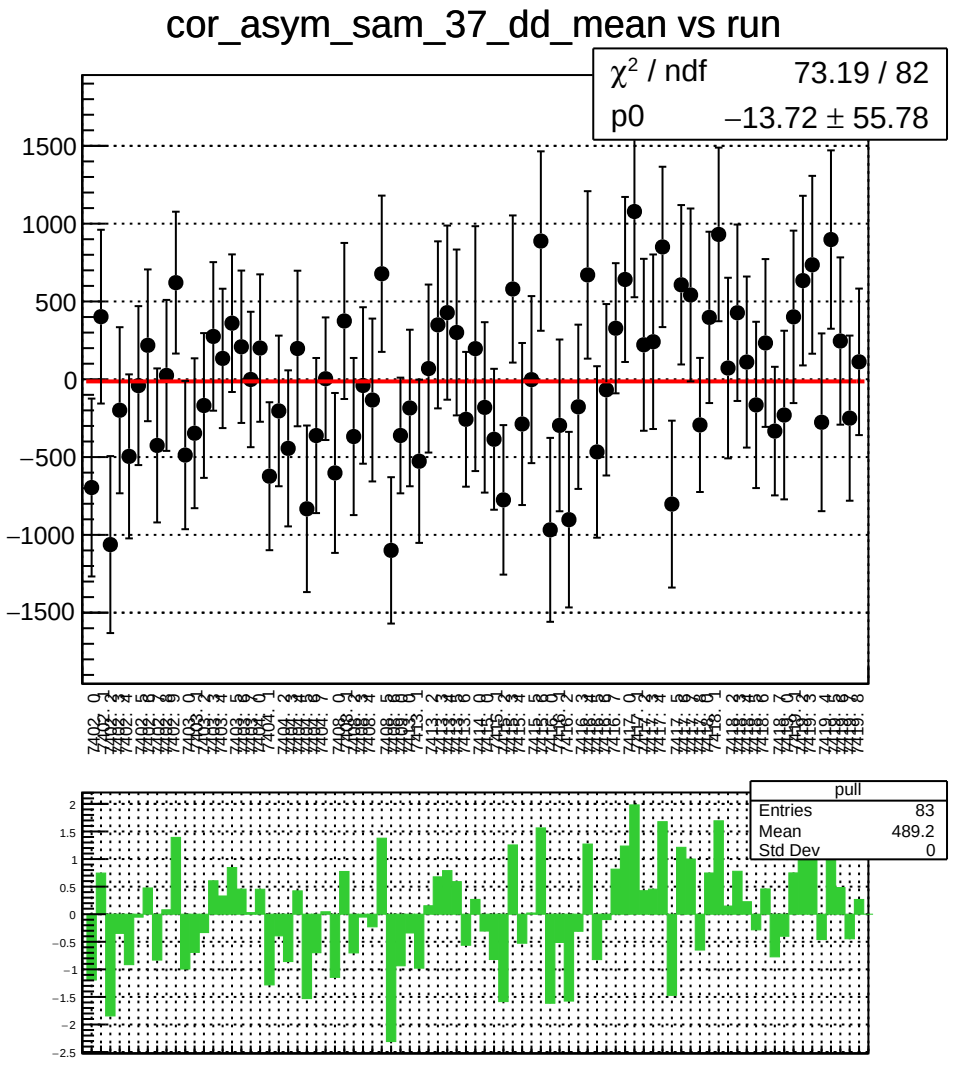

pull1D
Entries 83
Mean 0.01451
Std Dev 0.9389

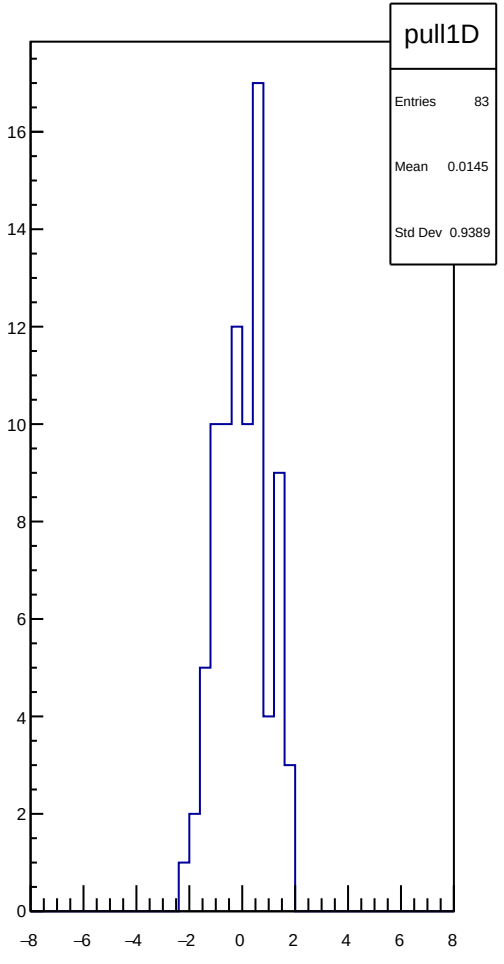

reg_asym_sam_37_dd_rms vs run
χ² / ndf 6957 / 82
p0 49.45 ± 0.03944
56
54
52
50
48
46
44
42

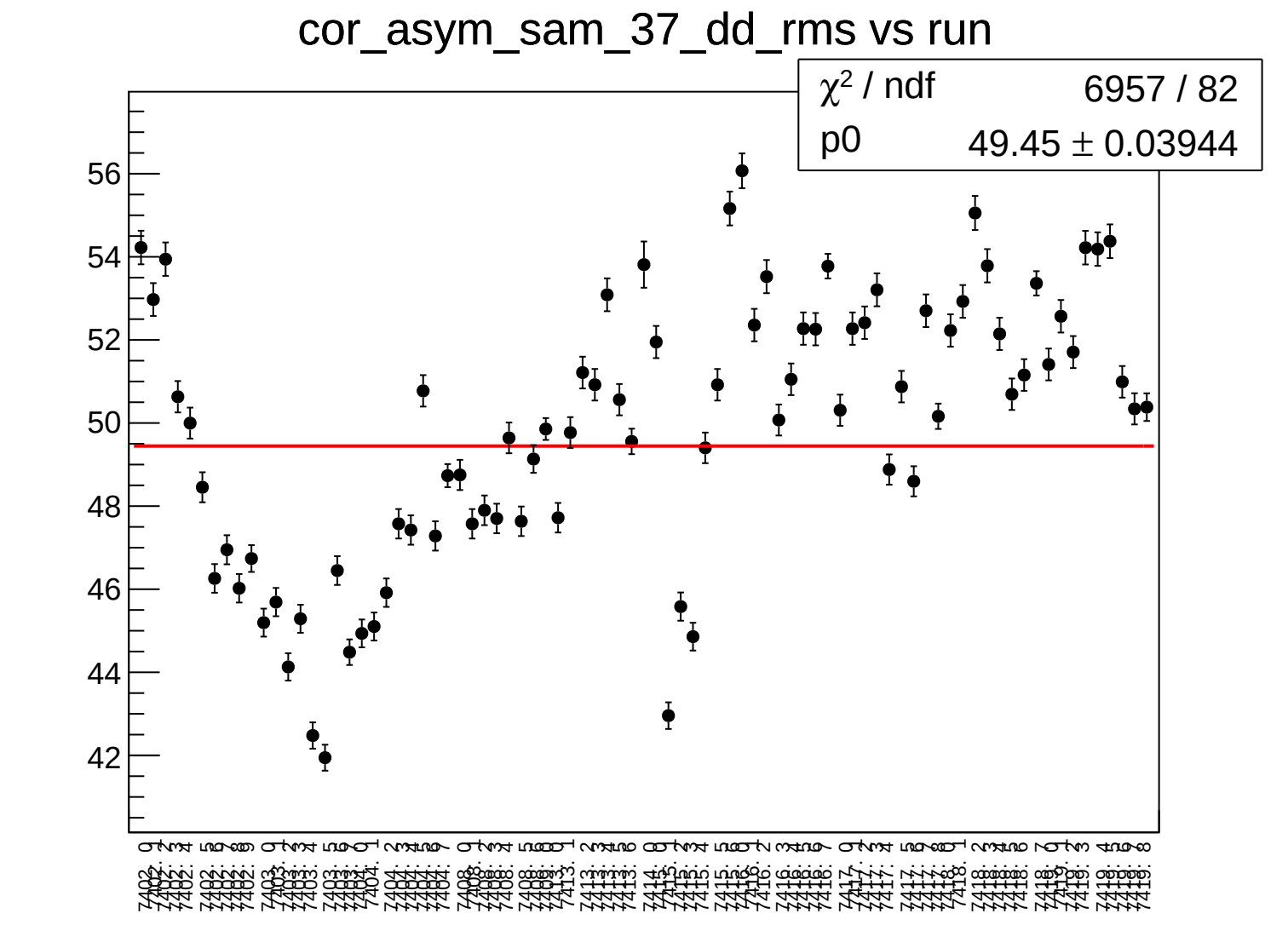

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 69.54 / 82
p0 −70.12 ± 284.8
pull
Entries 83
Mean 84.68
Std Dev 17.29

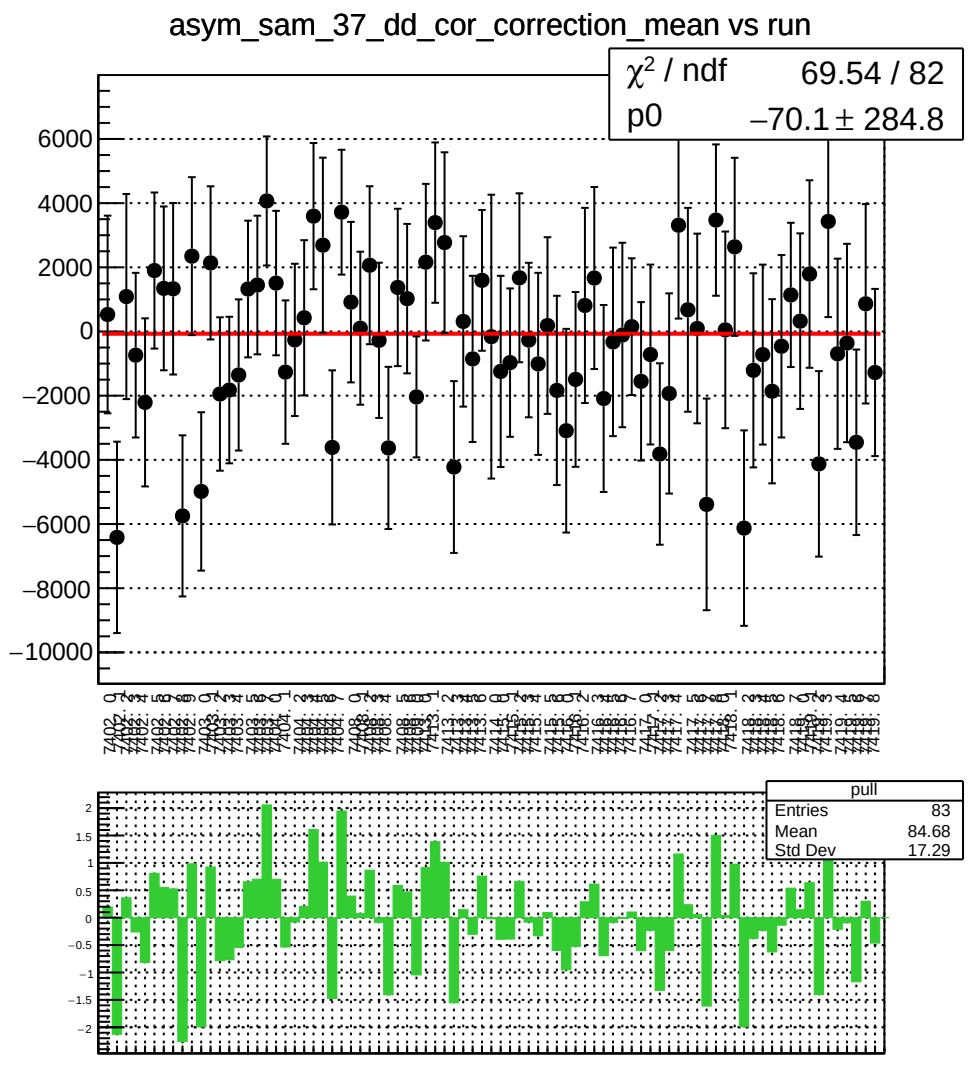

pull1D
Entries 83
Mean −0.03377
Std Dev 0.9147

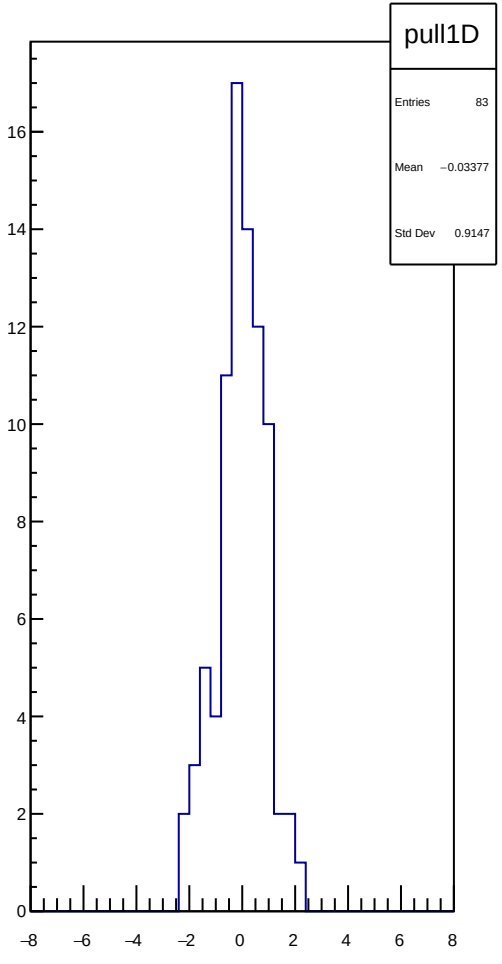

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 1.788e+04 / 82
p0 251.6 ± 0.2014
320
300
280
260
240
220
200

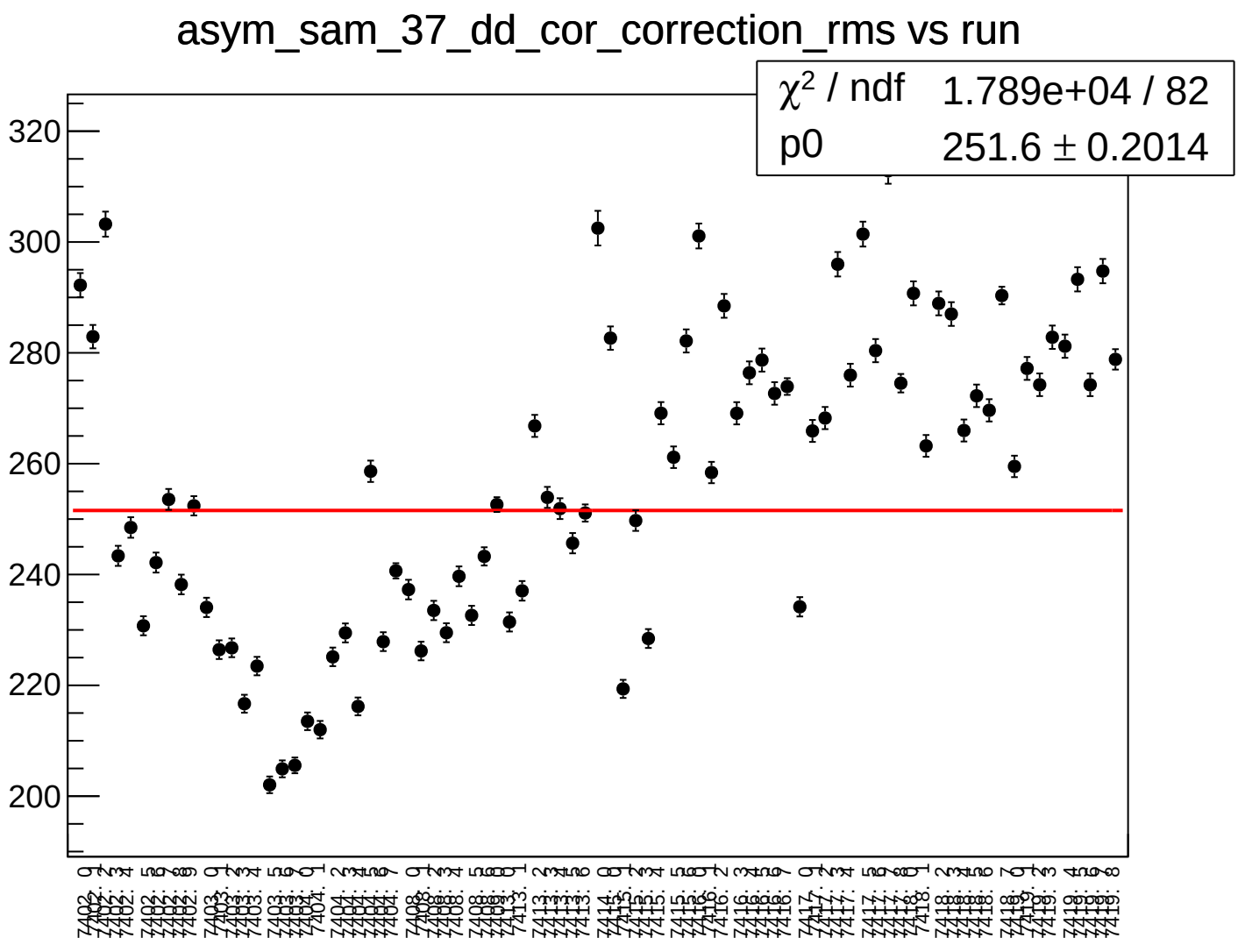

cor_asym_sam_37_dd_mean vs run
χ² / ndf 73.19 / 82
p0 −13.72 ± 55.78
pull
Entries 83
Mean 489.2
Std Dev 0

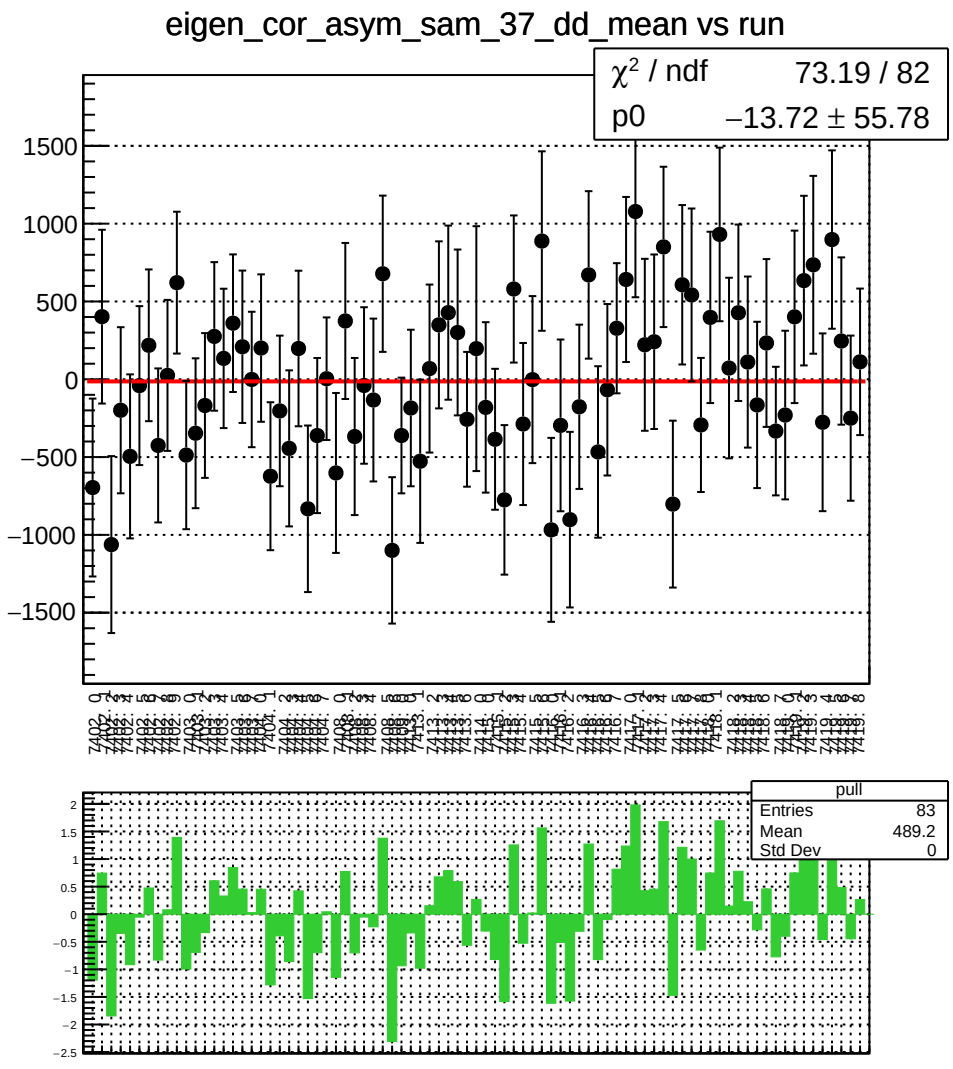

pull1D
Entries 83
Mean 0.0145
Std Dev 0.9389

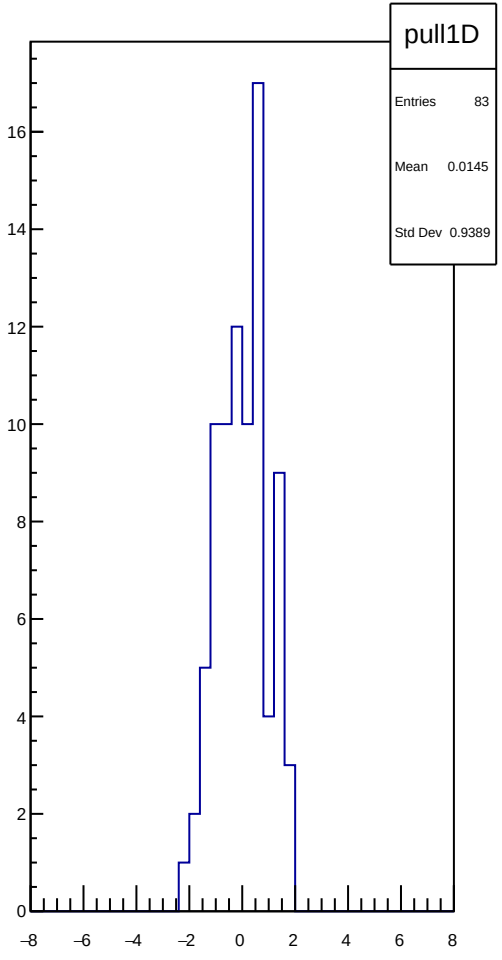

cor_asym_sam_37_dd_rms vs run
χ² / ndf 6957 / 82
p0 49.45 ± 0.03944
56
54
52
50
48
46
44
42

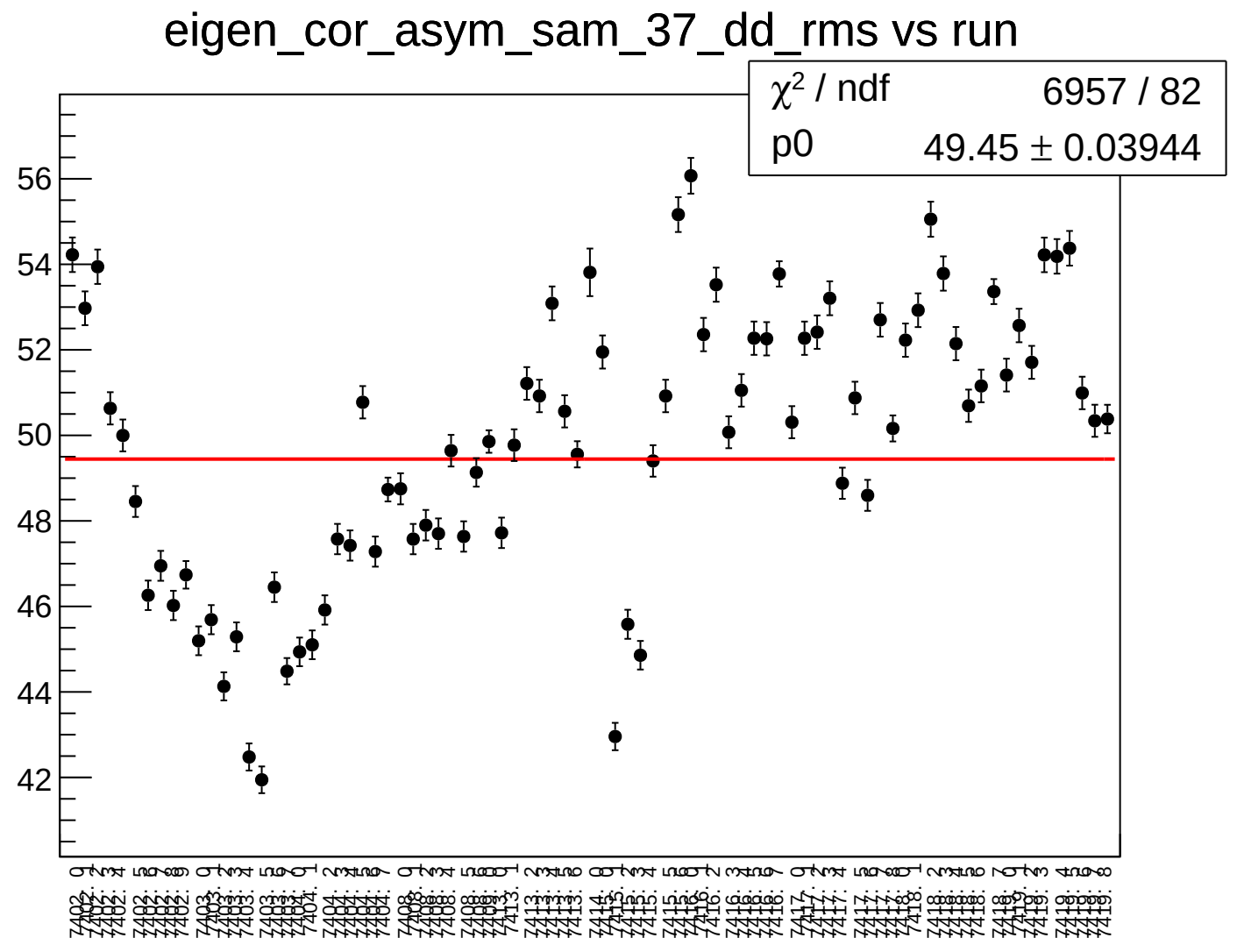

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 69.54 / 82
p0 −70.1 ± 284.8
pull
Entries 83
Mean 84.68
Std Dev 17.29

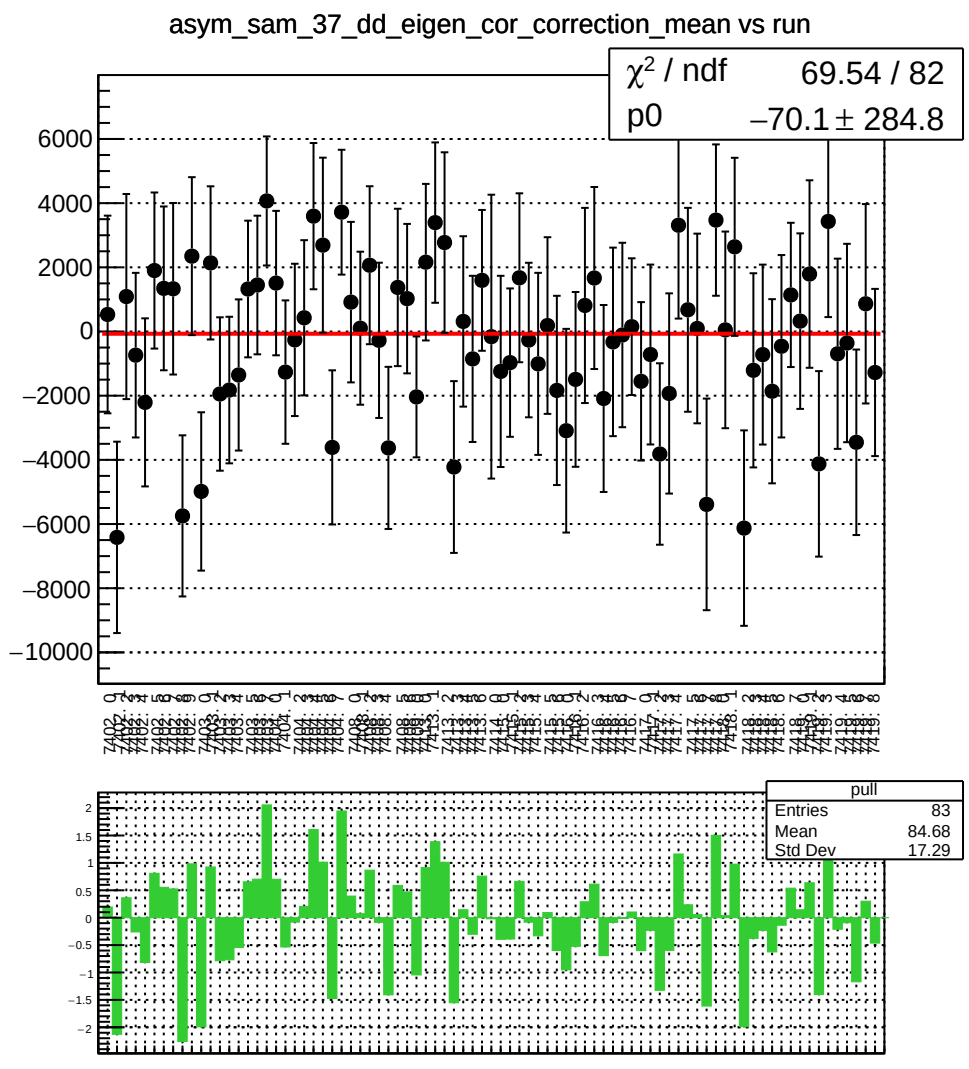

pull1D
Entries 83
Mean −0.03377
Std Dev 0.9147

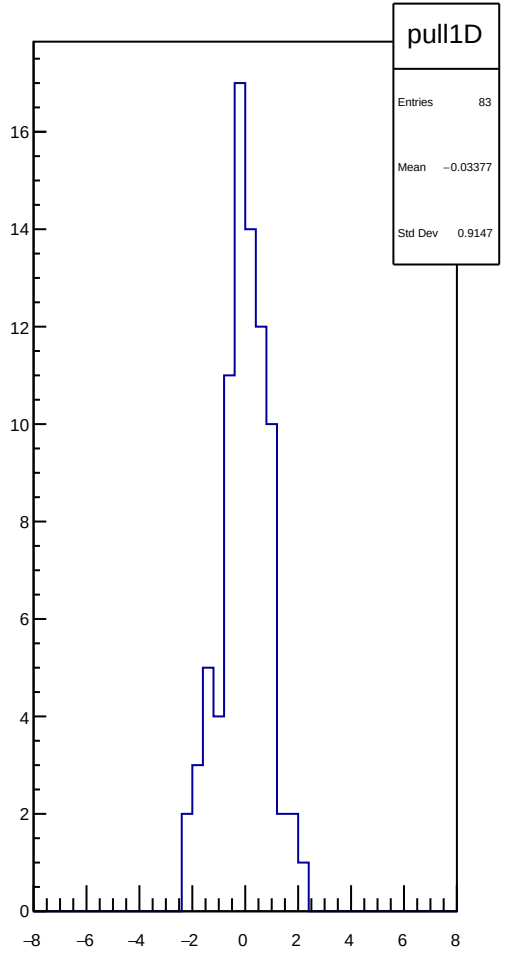

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 1.789e+04 / 82
p0 251.6 ± 0.2014
320
300
280
260
240
220
200

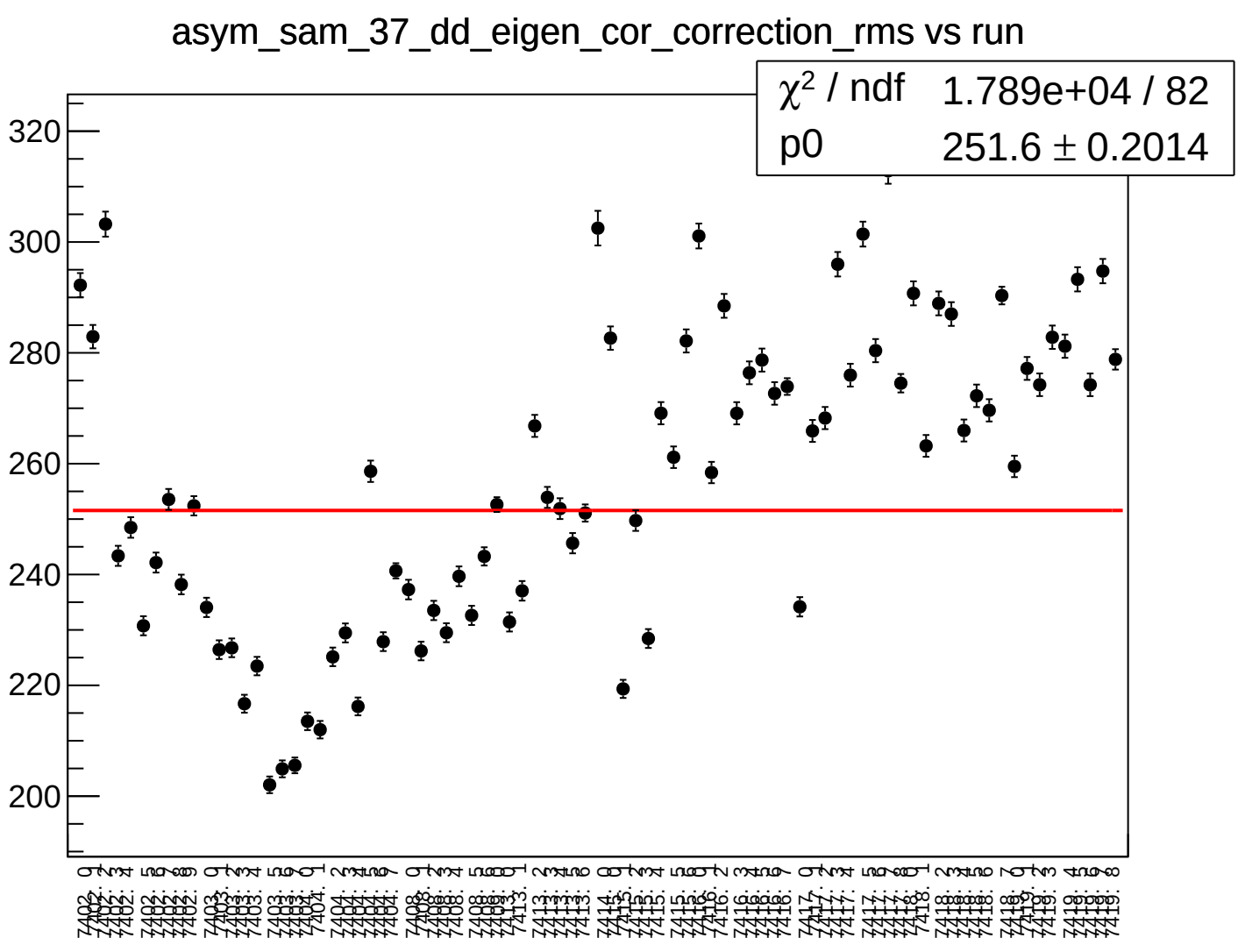

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 73.19 / 82
p0 −13.72 ± 55.78
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean 489.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

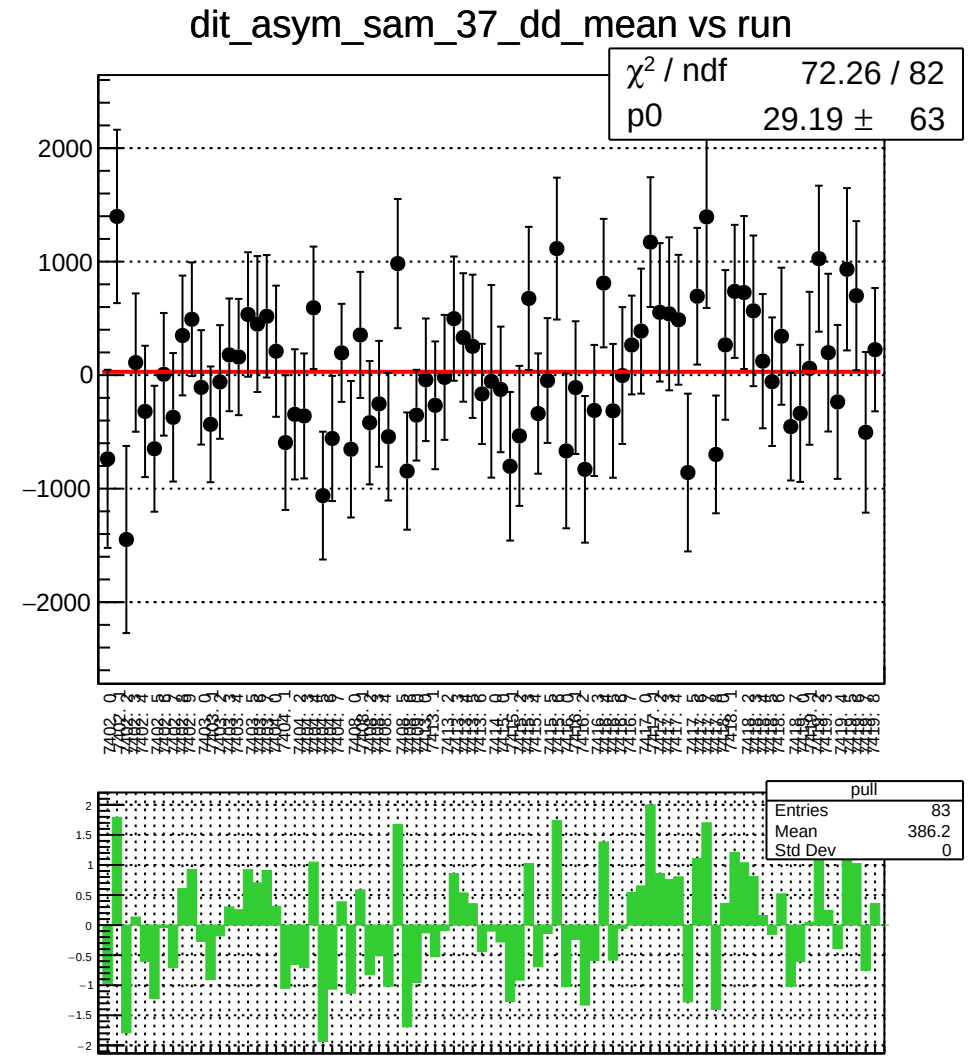

pull1D
Entries 83
Mean 0.0145
Std Dev 0.9389
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

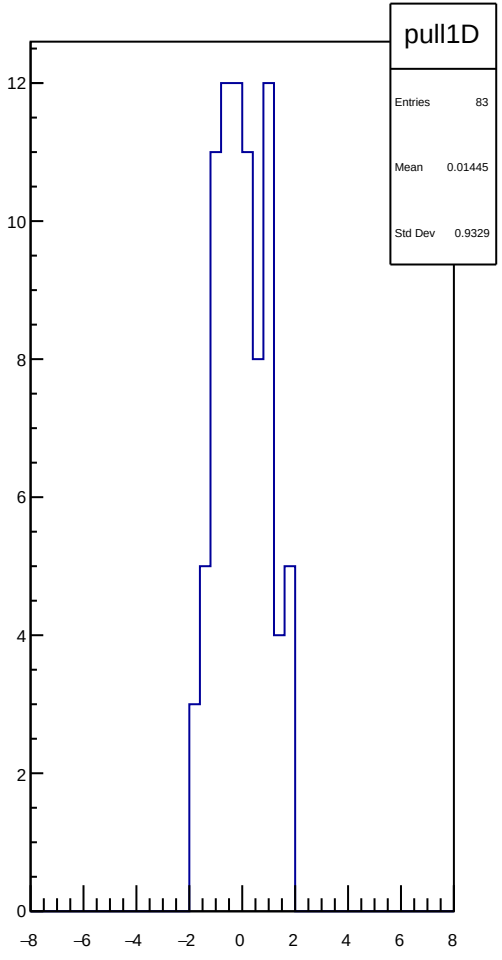

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 6957 / 82
p0 49.45 ± 0.03944
56
54
52
50
48
46
44
42

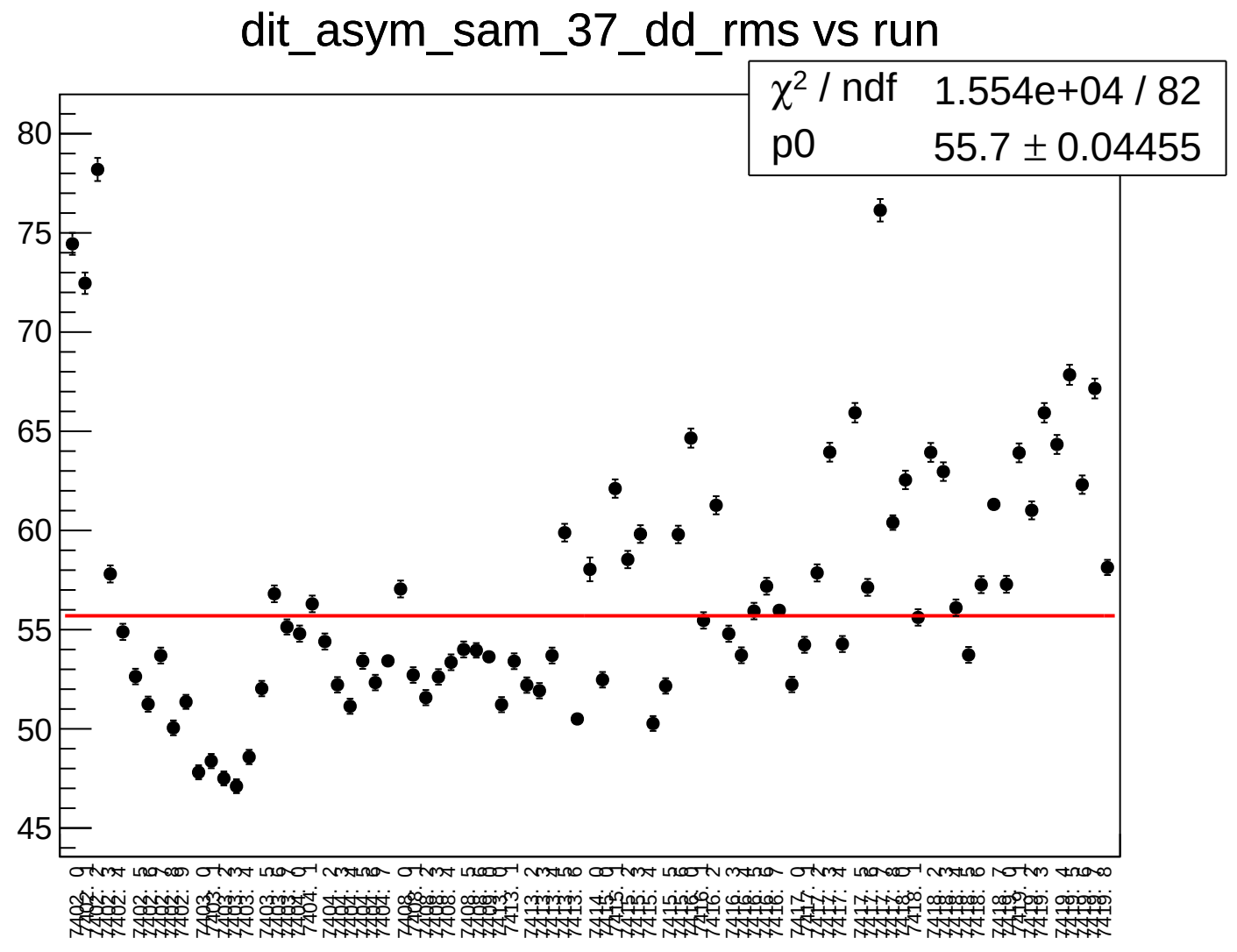

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 69.54 / 82
p0 −70.1 ± 284.8
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 83
Mean 84.68
Std Dev 17.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

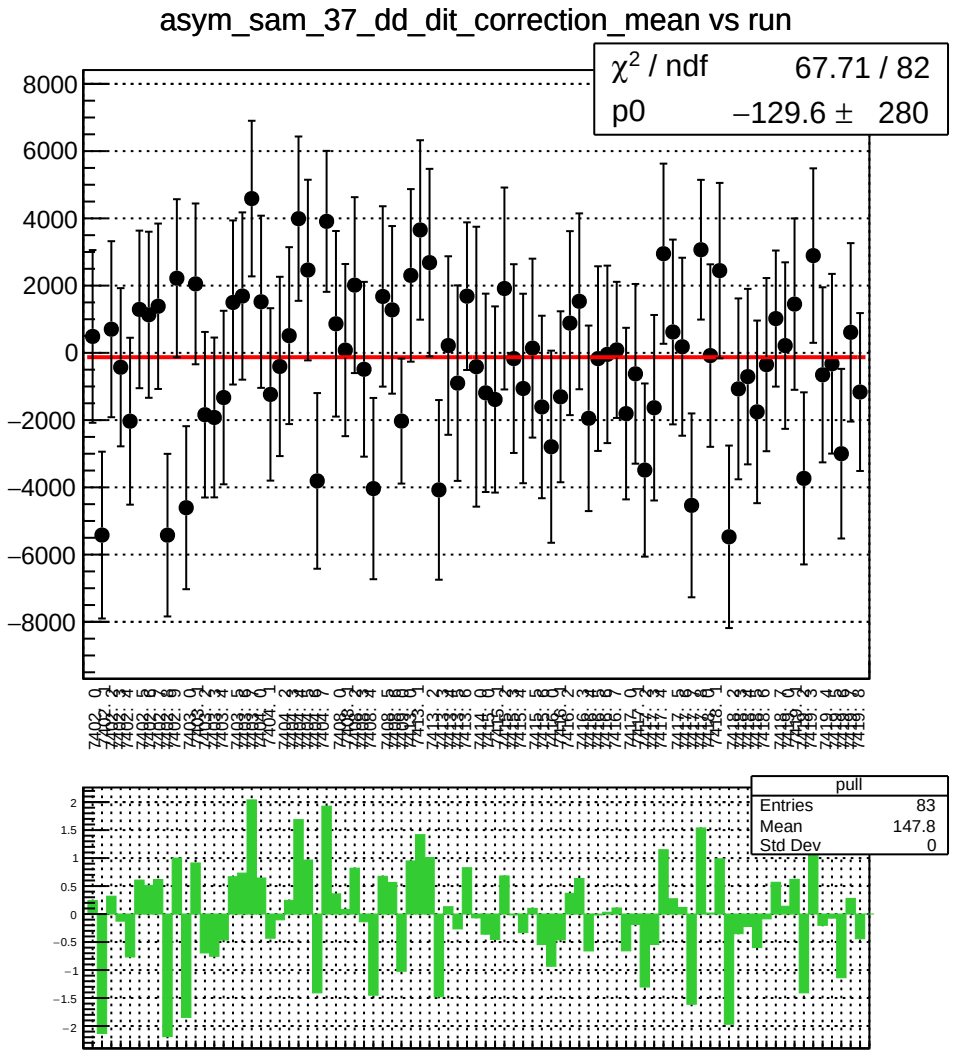

pull1D
Entries 83
Mean −0.03377
Std Dev 0.9147
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

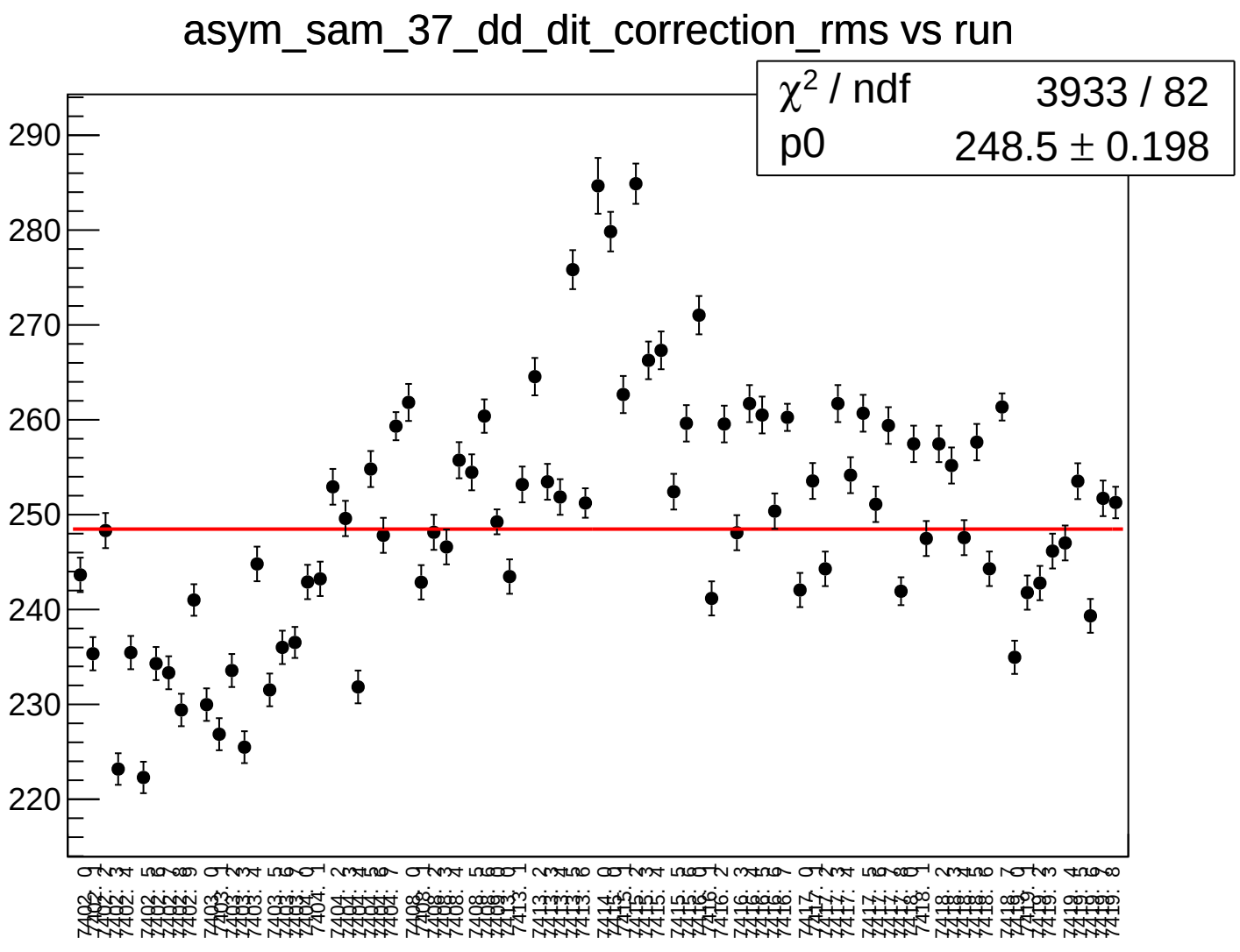

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.789e+04 / 82
p0 251.6 ± 0.2014
320
300
280
260
240
220
200

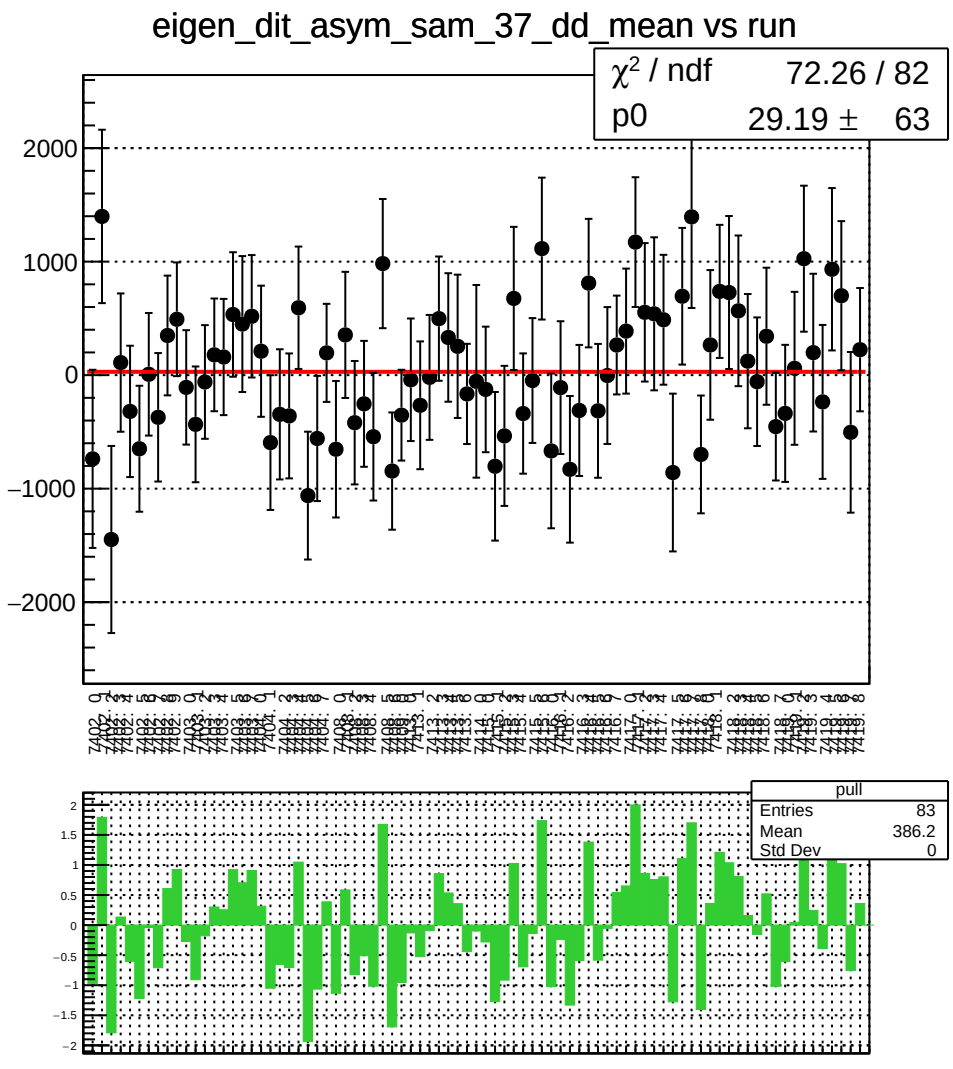

dit_asym_sam_37_dd_mean vs run
χ² / ndf 72.26 / 82
p0 29.19 ± 63
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 386.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

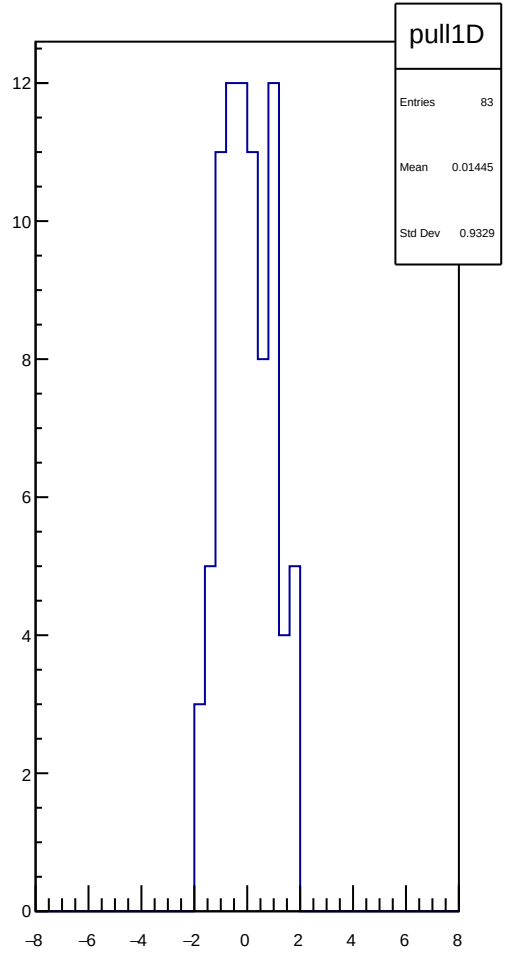

pull1D
Entries 83
Mean 0.01445
Std Dev 0.9329
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

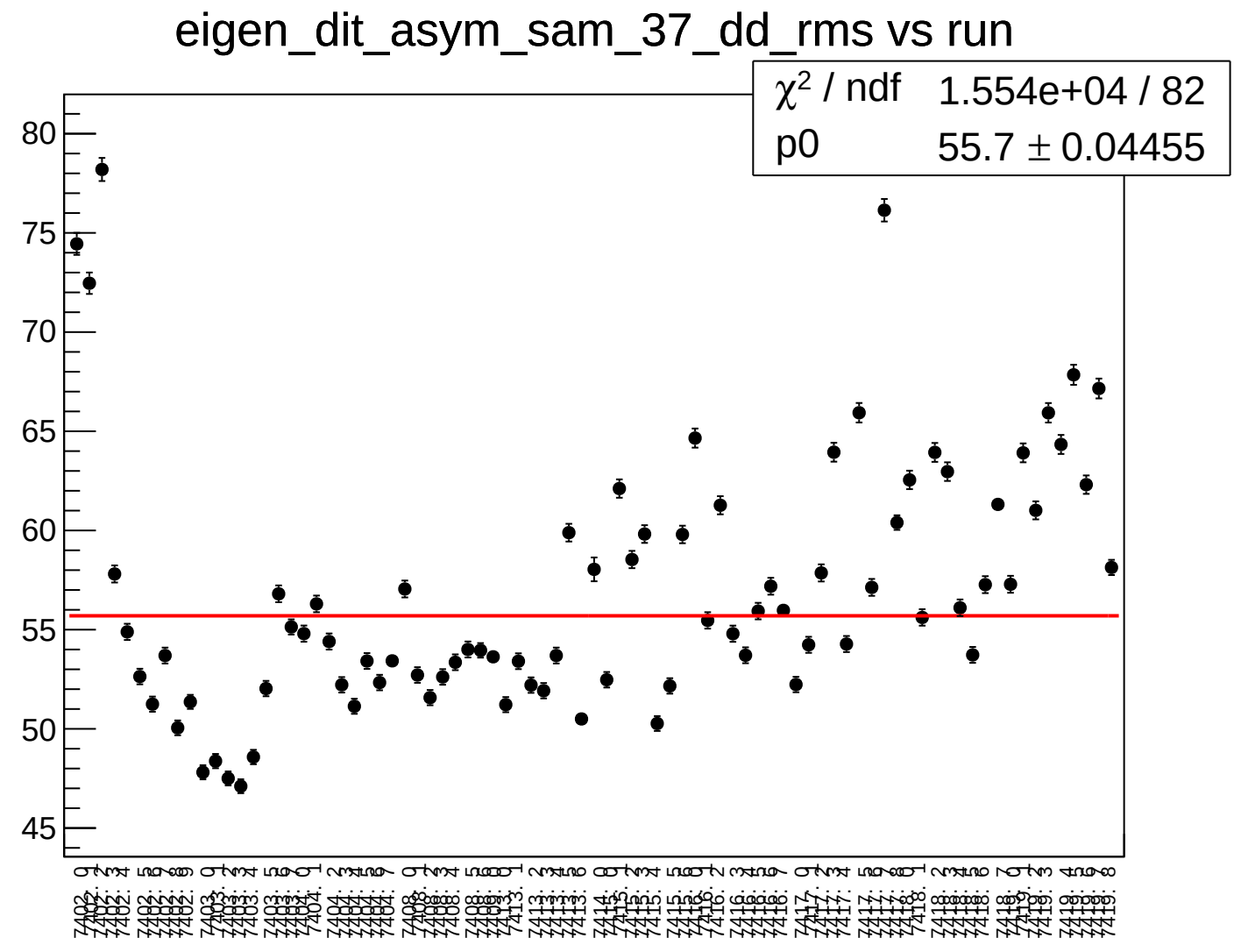

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.554e+04 / 82
p0 55.7 ± 0.04455
80
75
70
65
60
55
50
45

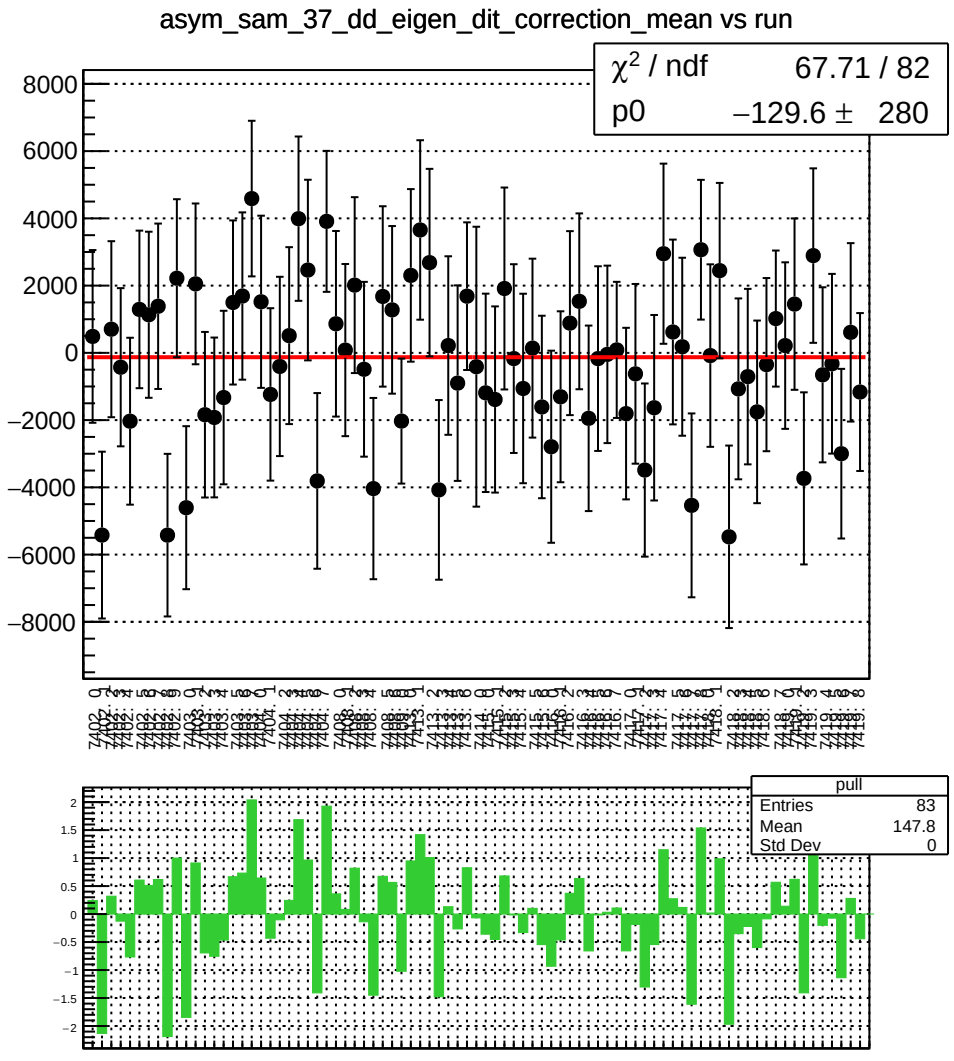

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 67.71 / 82
p0 −129.6 ± 280
pull
Entries 83
Mean 147.8
Std Dev 0
pull1D
Entries 83
Mean −0.01405
Std Dev 0.9031

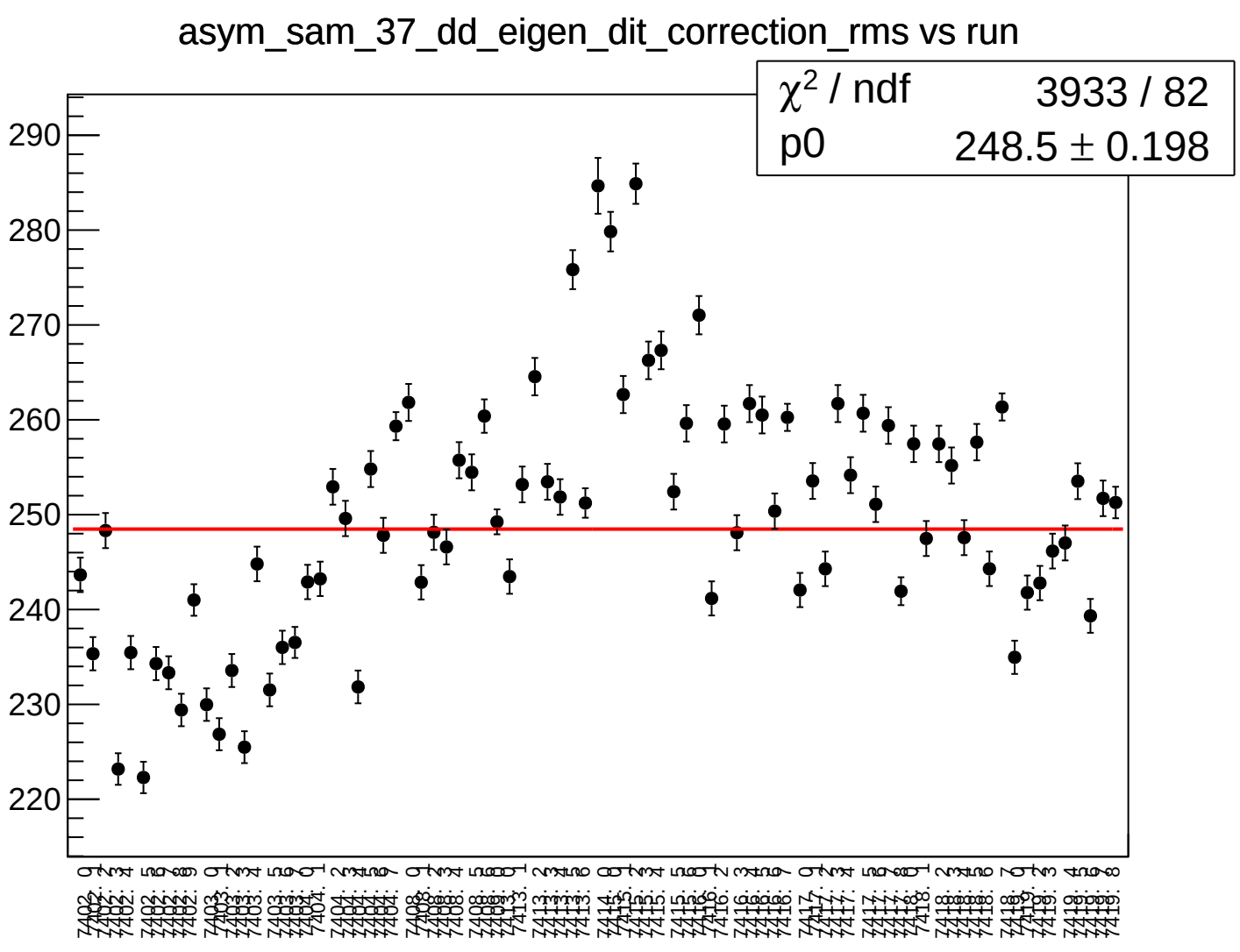

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3933 / 82
p0 248.5 ± 0.198
290
280
270
260
250
240
230
220

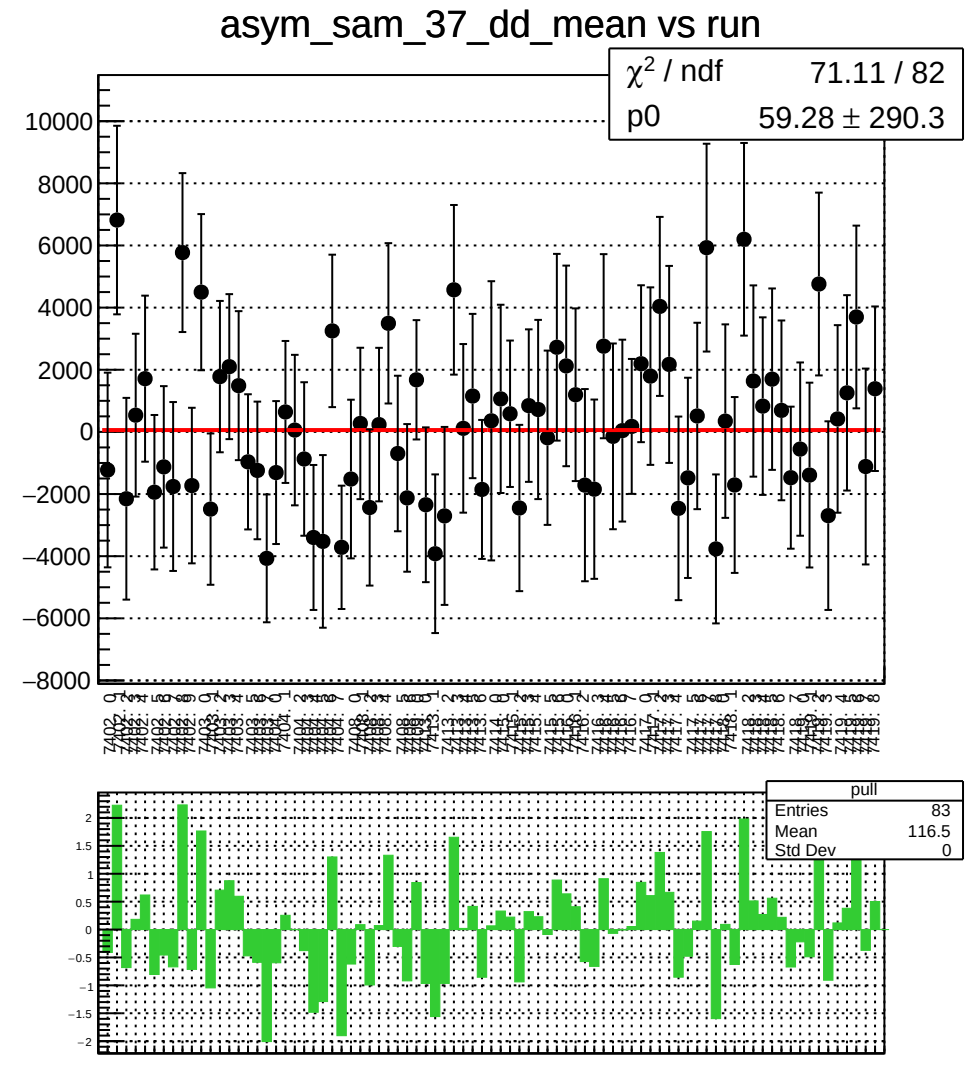

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 72.26 / 82
p0 29.19 ± 63
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 386.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

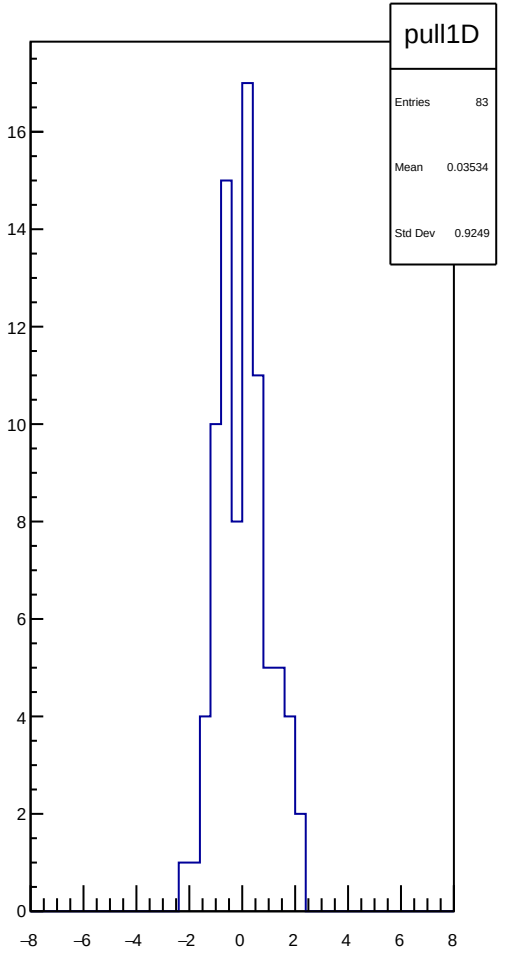

pull1D
Entries 83
Mean 0.01445
Std Dev 0.9329
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

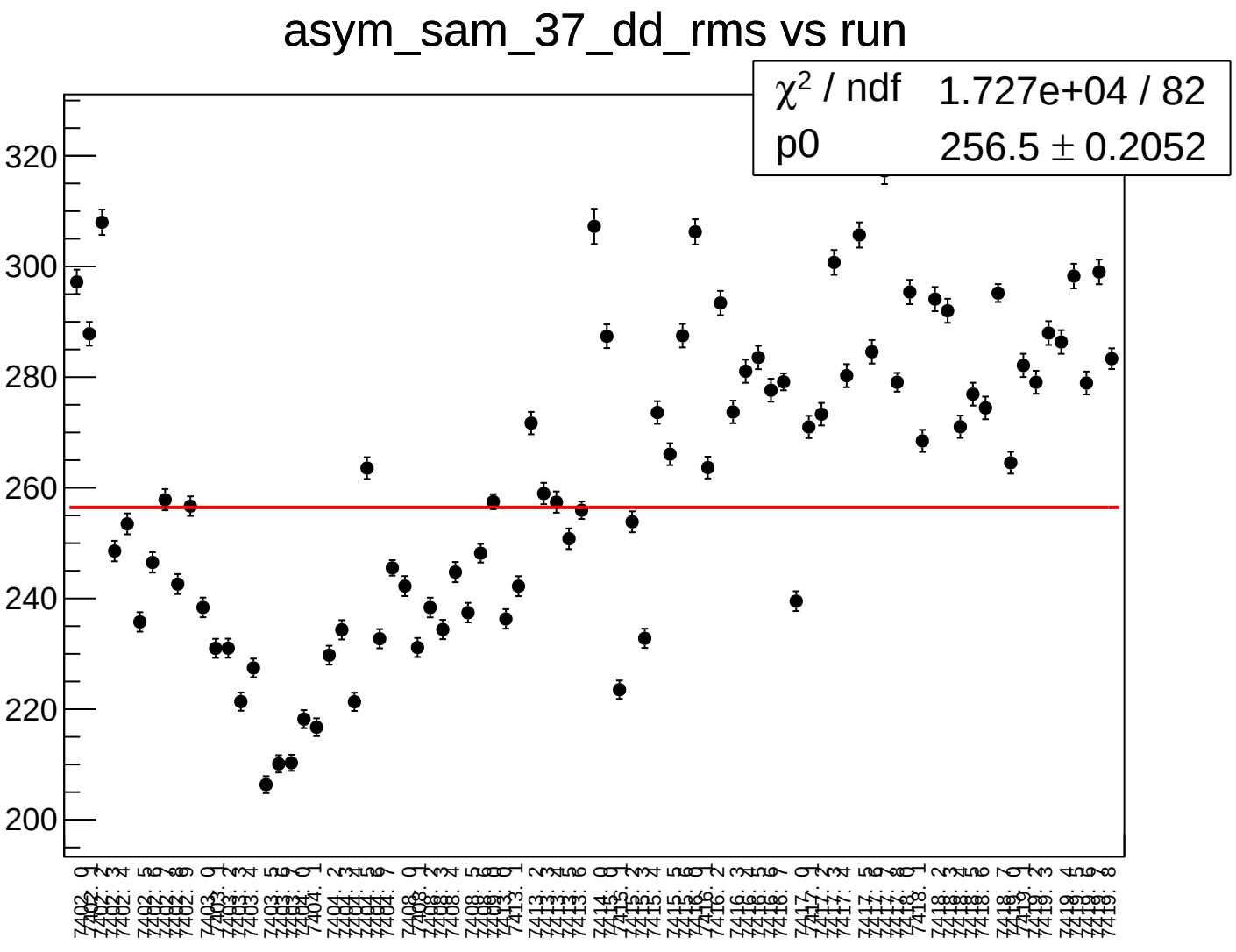

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.554e+04 / 82
p0 55.7 ± 0.04455
80
75
70
65
60
55
50
45

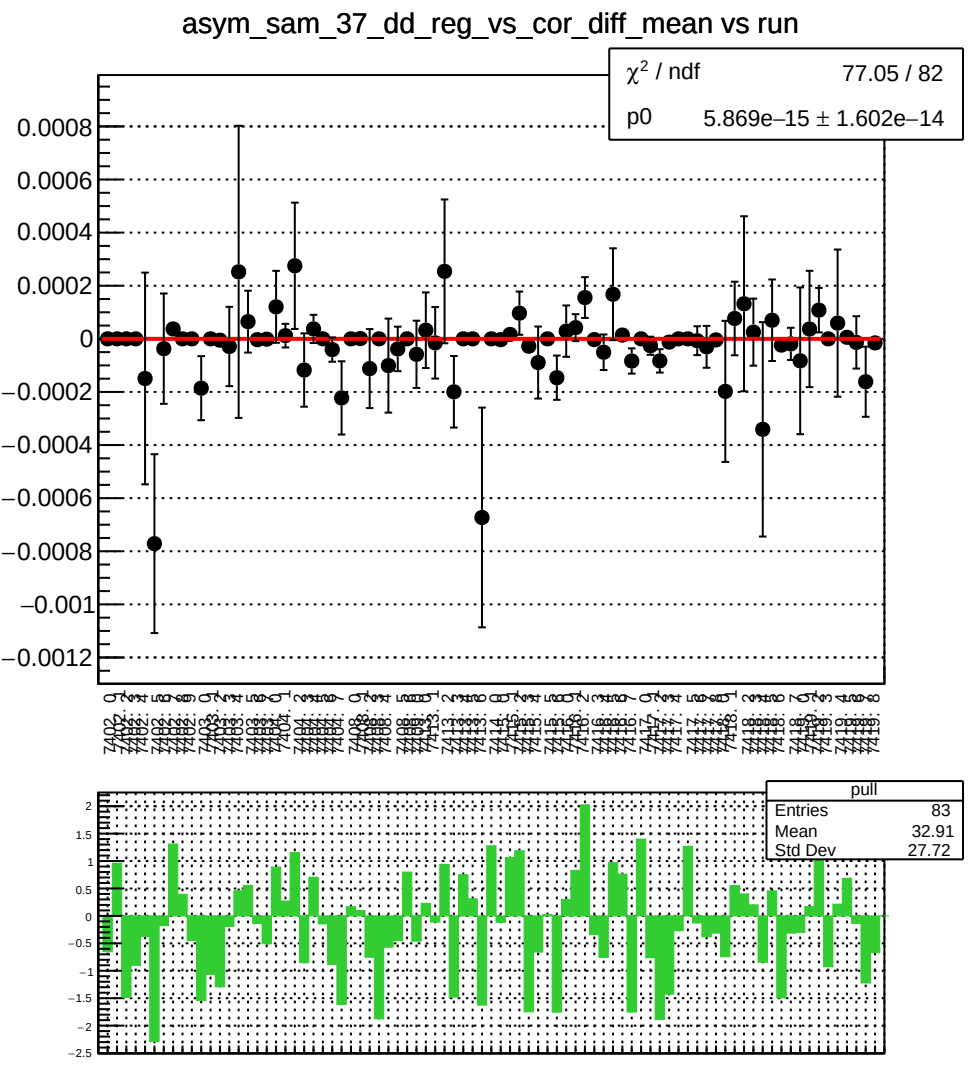

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.71 / 82
p0 −129.6 ± 280
pull
Entries 83
Mean 147.8
Std Dev 0
pull1D
Entries 83
Mean −0.01405
Std Dev 0.9031

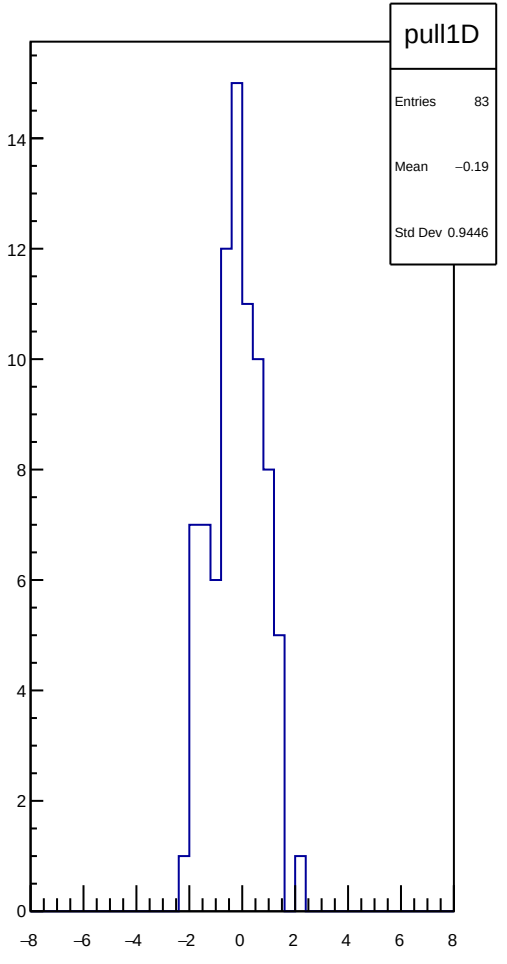

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3933 / 82
p0 248.5 ± 0.198
290
280
270
260
250
240
230
220

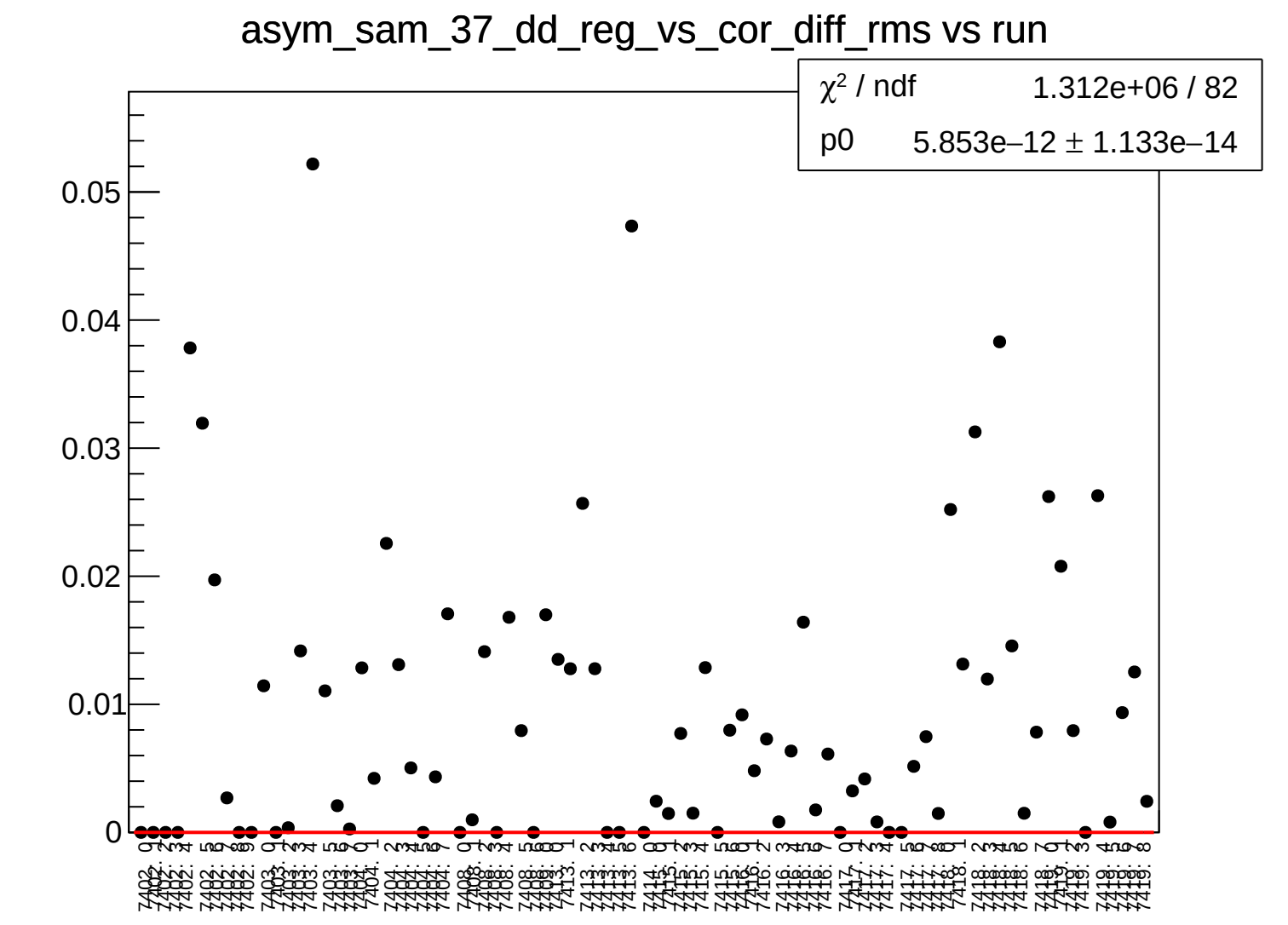

asym_sam_37_dd_mean vs run
χ² / ndf 71.11 / 82
p0 59.28 ± 290.3
pull
Entries 83
Mean 116.5
Std Dev 0

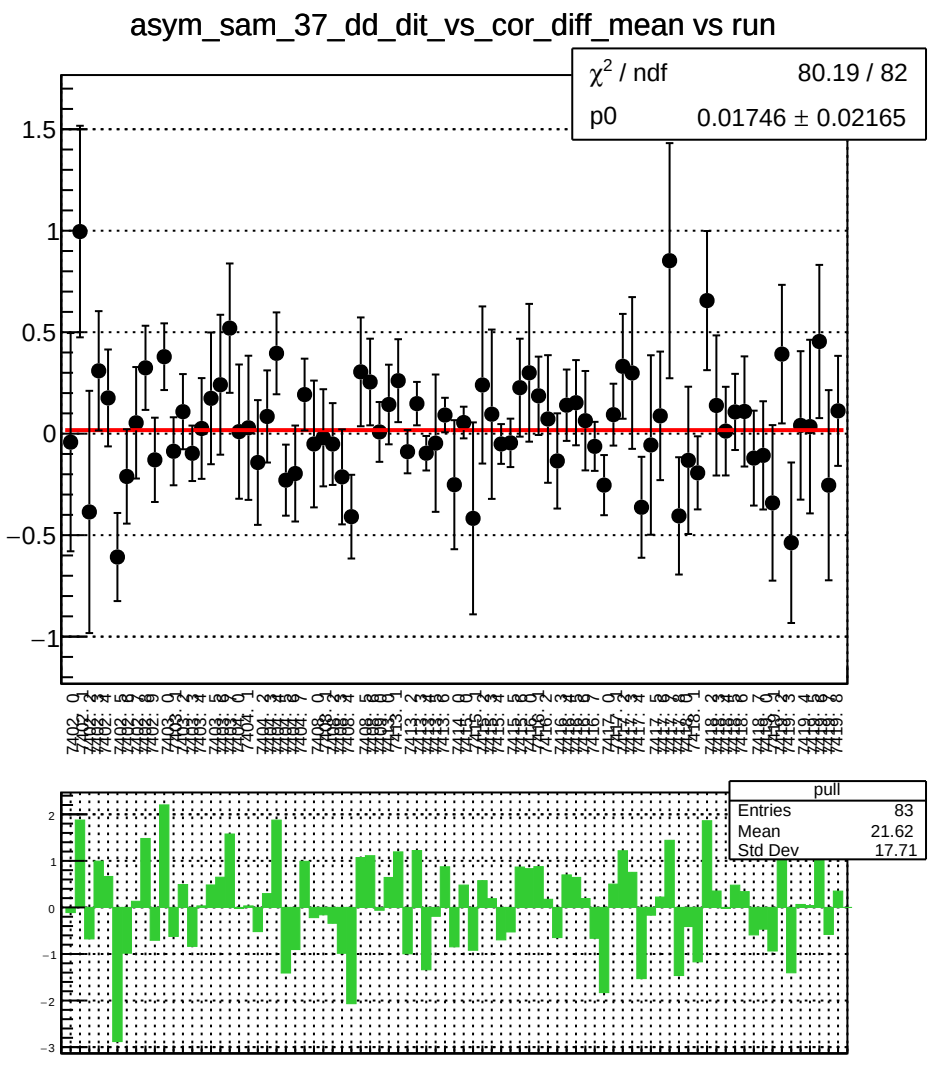

pull1D
Entries 83
Mean 0.03534
Std Dev 0.9249

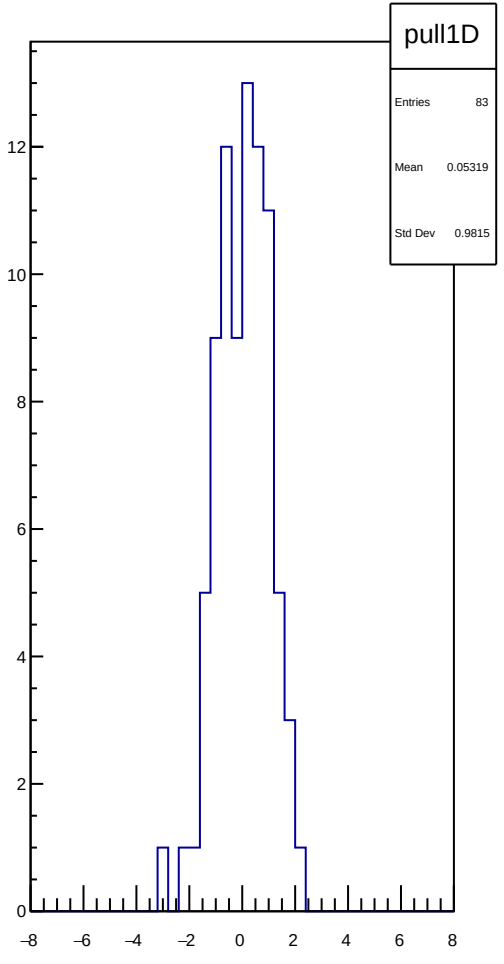

asym_sam_37_dd_rms vs run
χ² / ndf 1.727e+04 / 82
p0 256.5 ± 0.2052
320
300
280
260
240
220
200

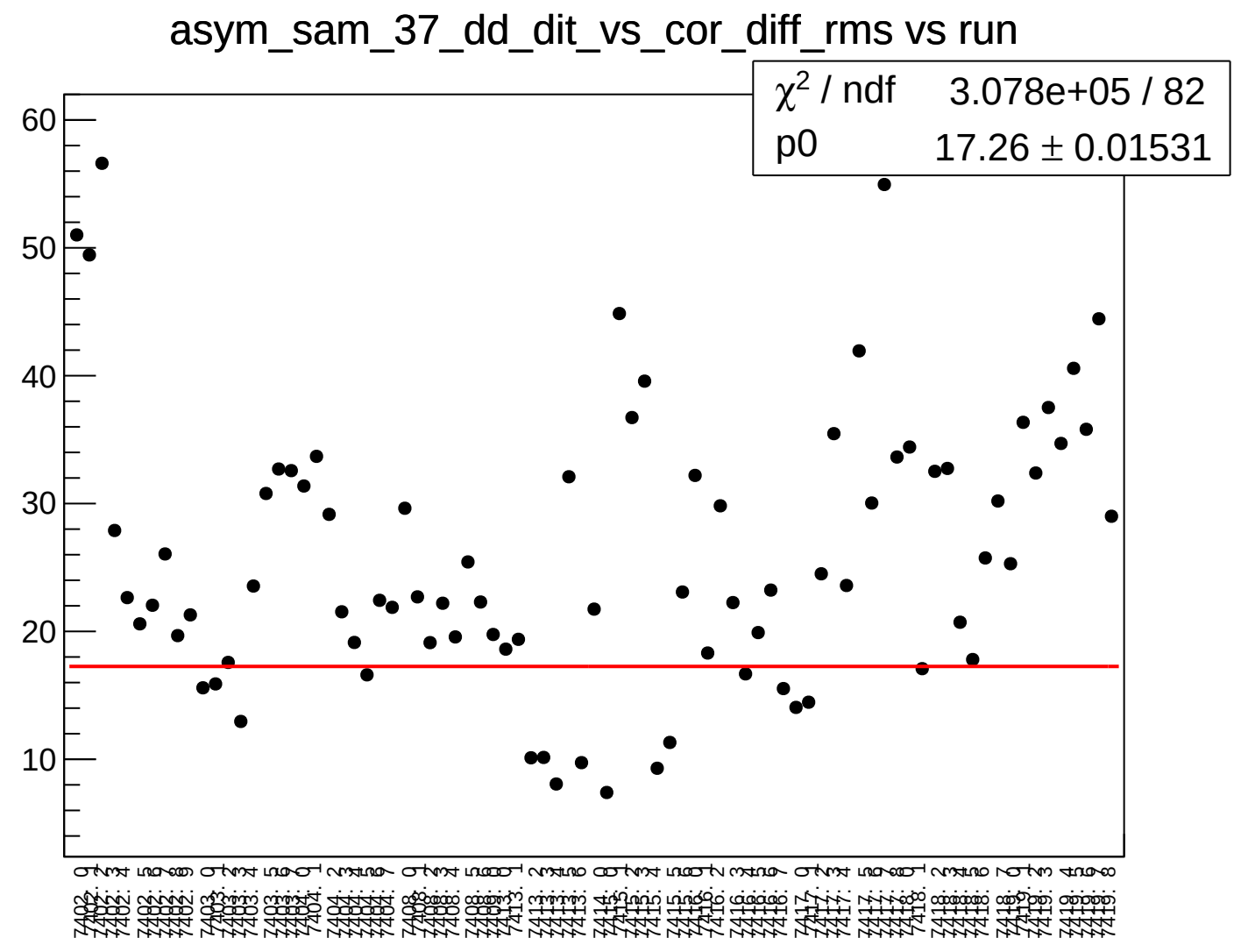

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.05 / 82
p0 5.869e−15 ± 1.602e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 83
Mean 32.91
Std Dev 27.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

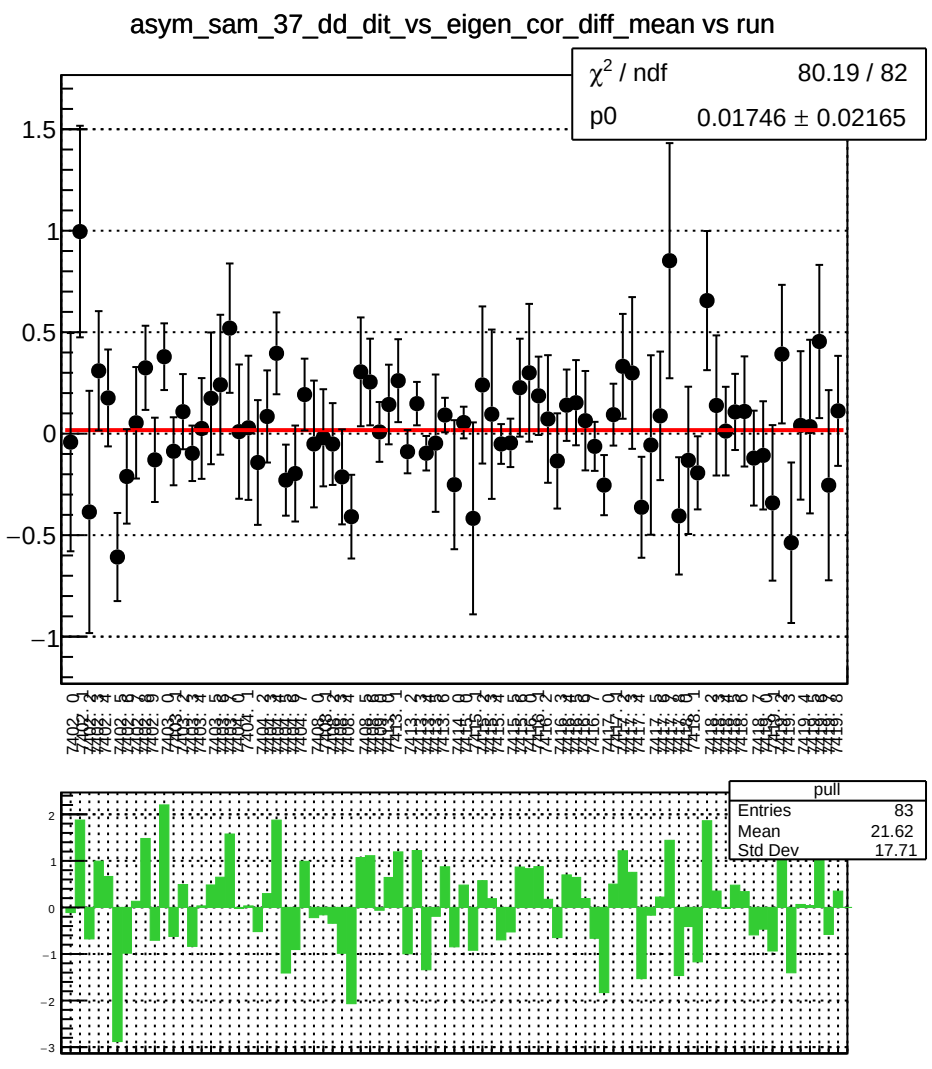

pull1D
Entries 83
Mean −0.19
Std Dev 0.9446
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

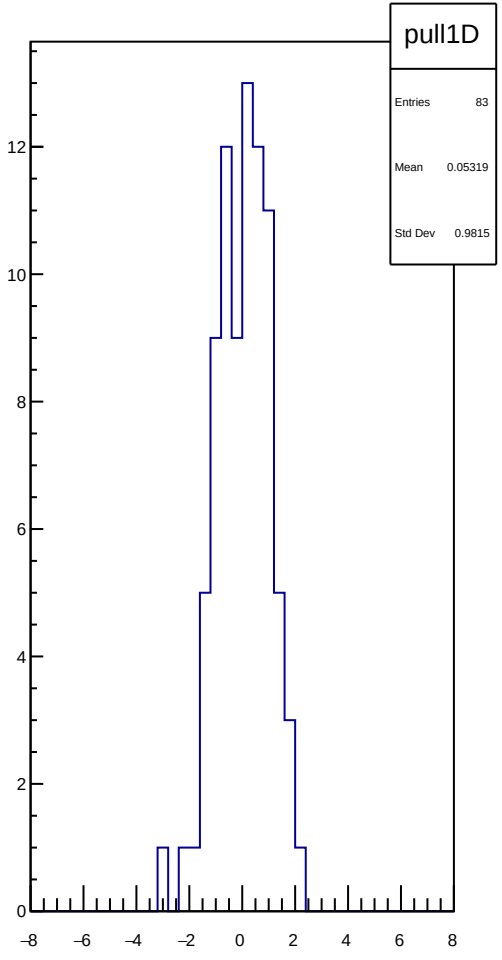

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.312e+06 / 82
p0 5.853e−12 ± 1.133e−14
0.05
0.04
0.03
0.02
0.01
0

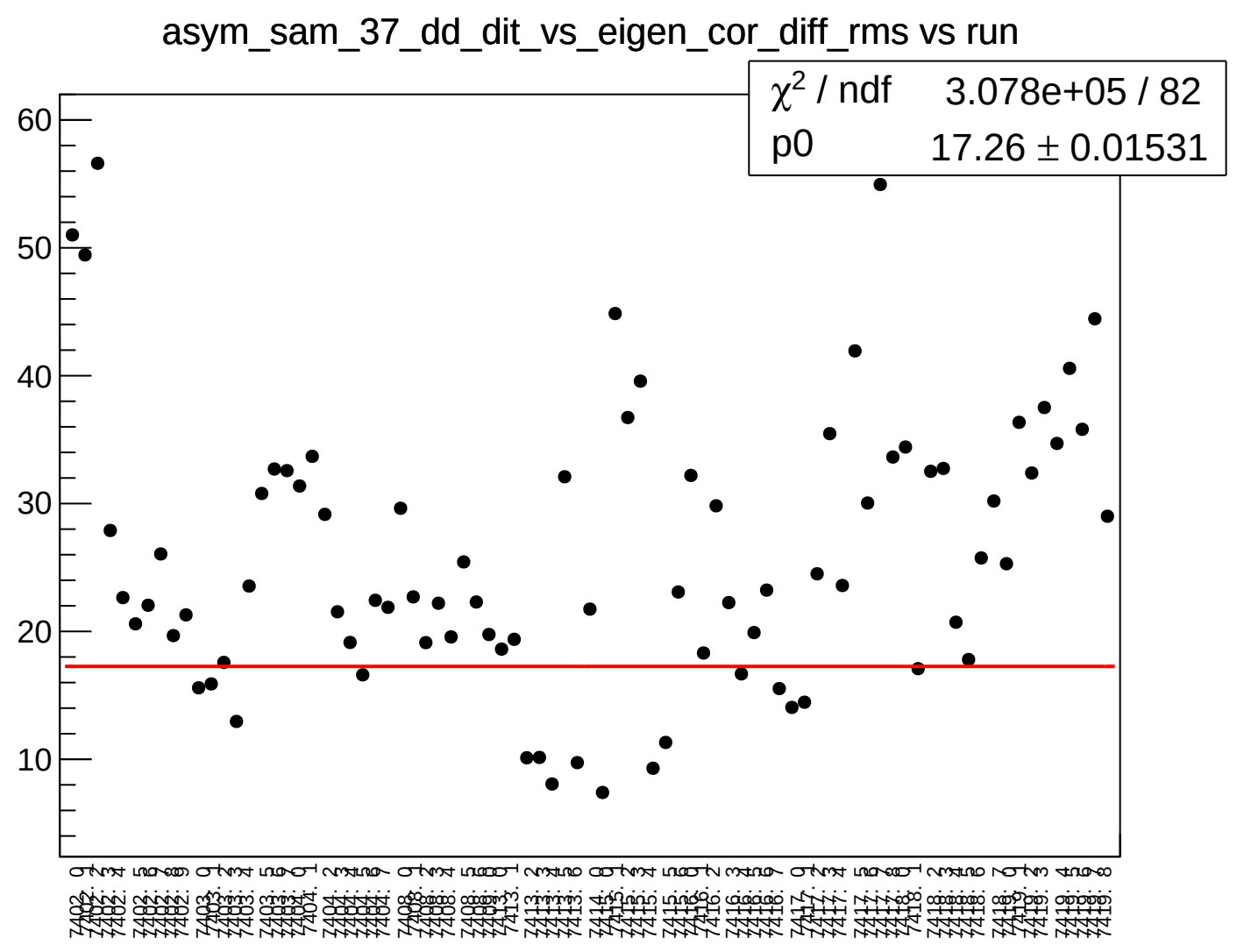

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.19 / 82
p0 0.01746 ± 0.02165
pull
Entries 83
Mean 21.62
Std Dev 17.71

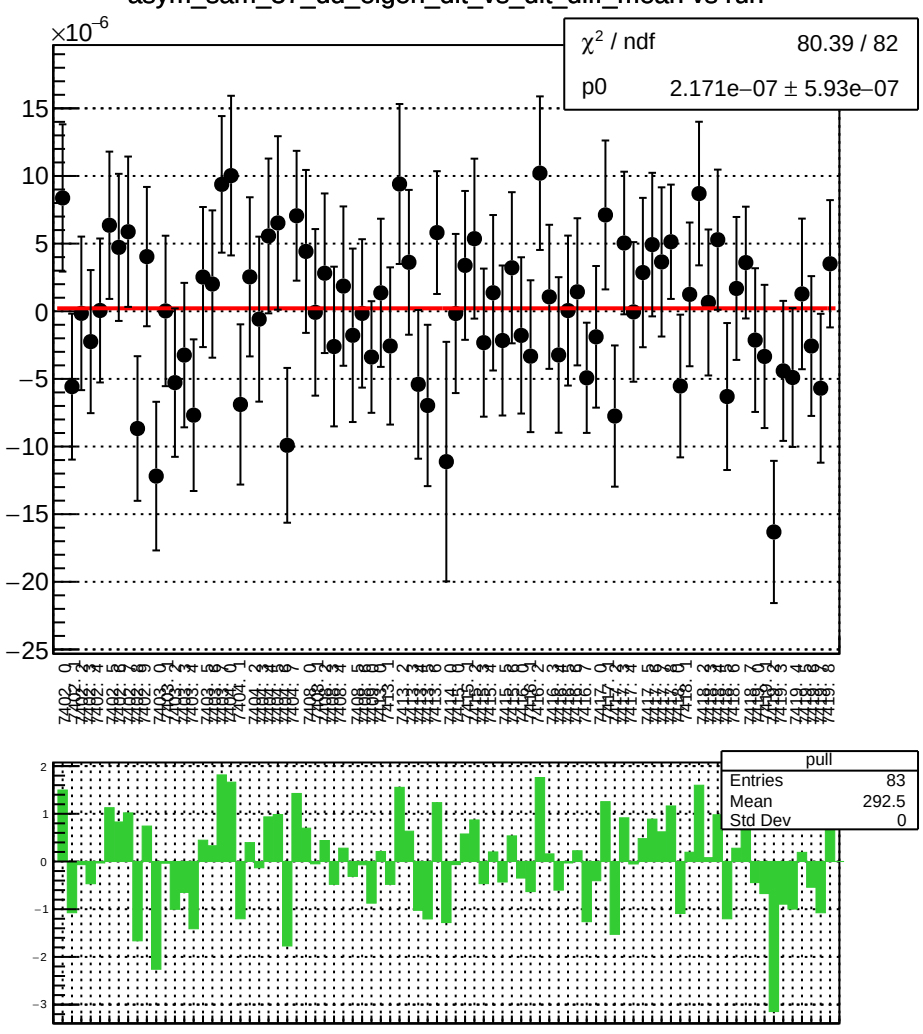

pull1D
Entries 83
Mean 0.05319
Std Dev 0.9815

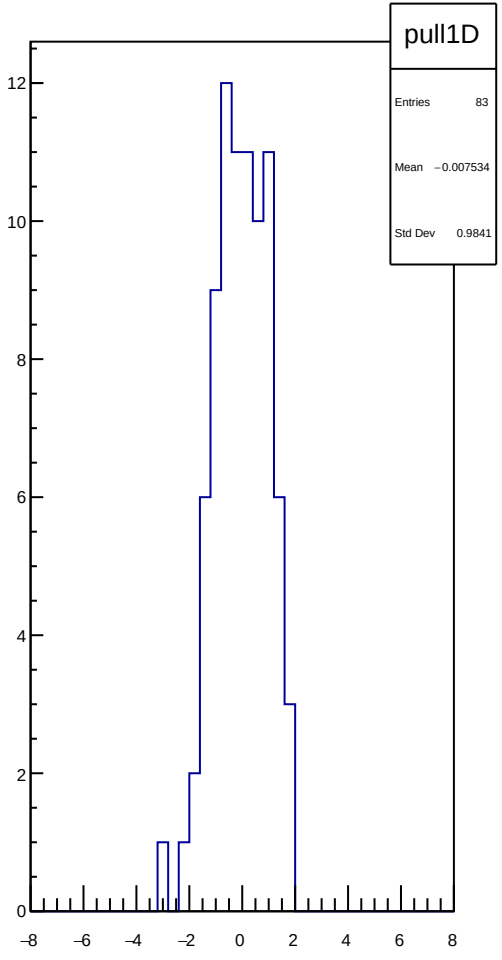

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.078e+05 / 82
p0 17.26 ± 0.01531
60
50
40
30
20
10

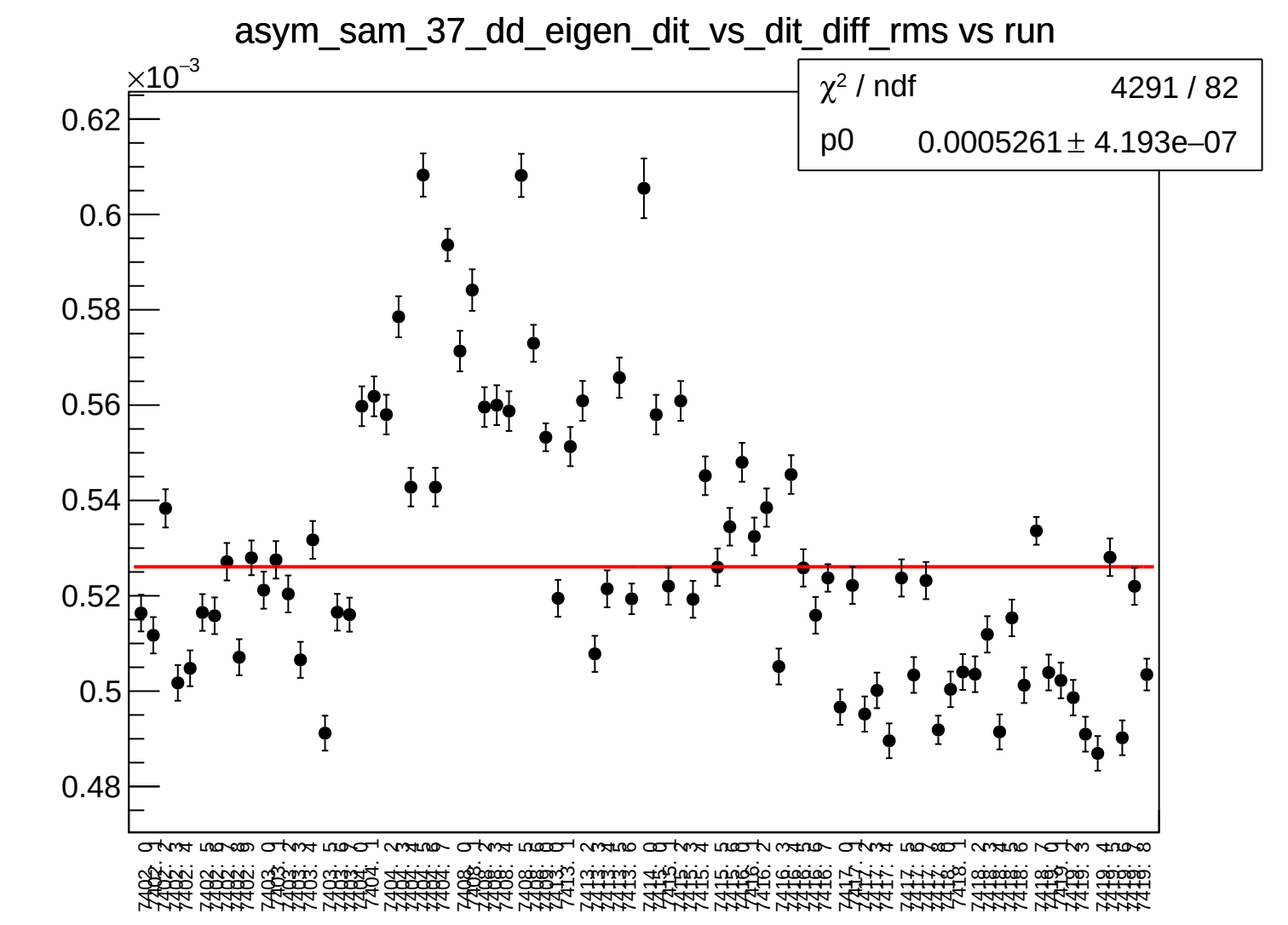

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.19 / 82
p0 0.01746 ± 0.02165
pull
Entries 83
Mean 21.62
Std Dev 17.71

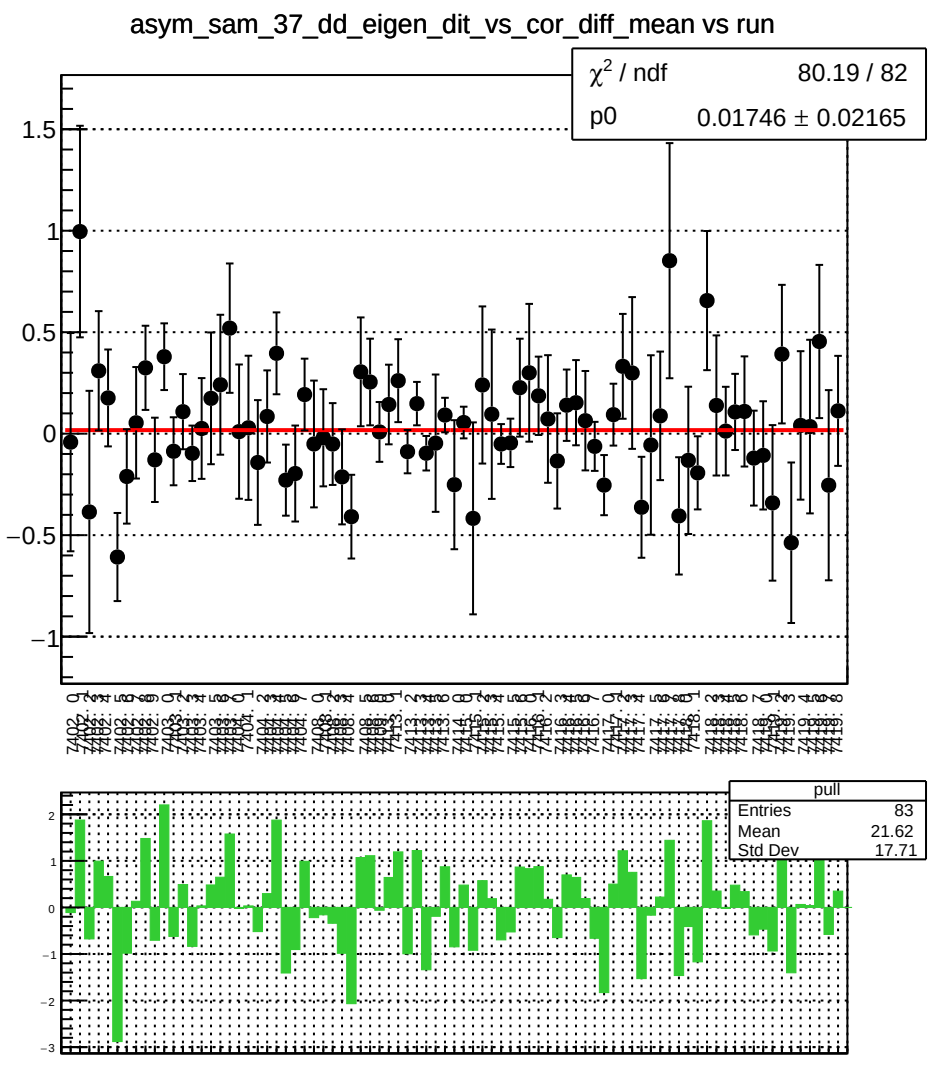

pull1D
Entries 83
Mean 0.05319
Std Dev 0.9815

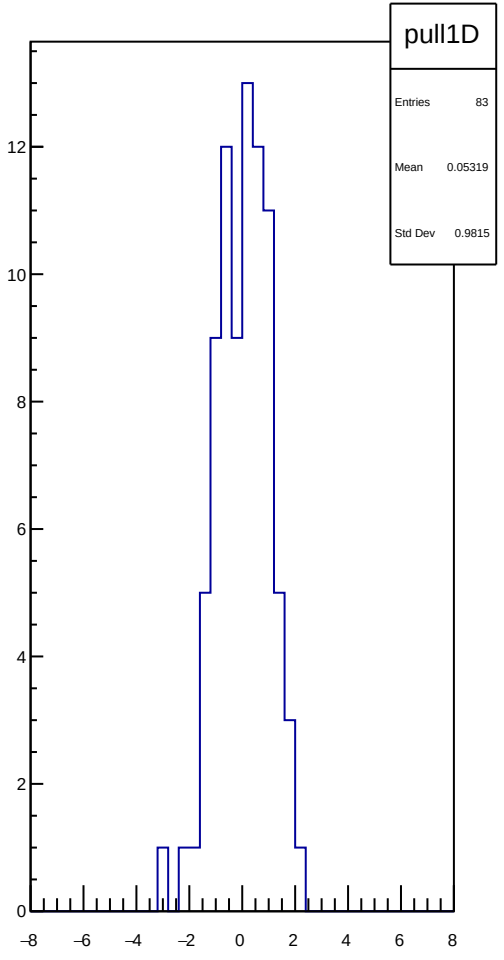

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.078e+05 / 82
p0 17.26 ± 0.01531
60
50
40
30
20
10

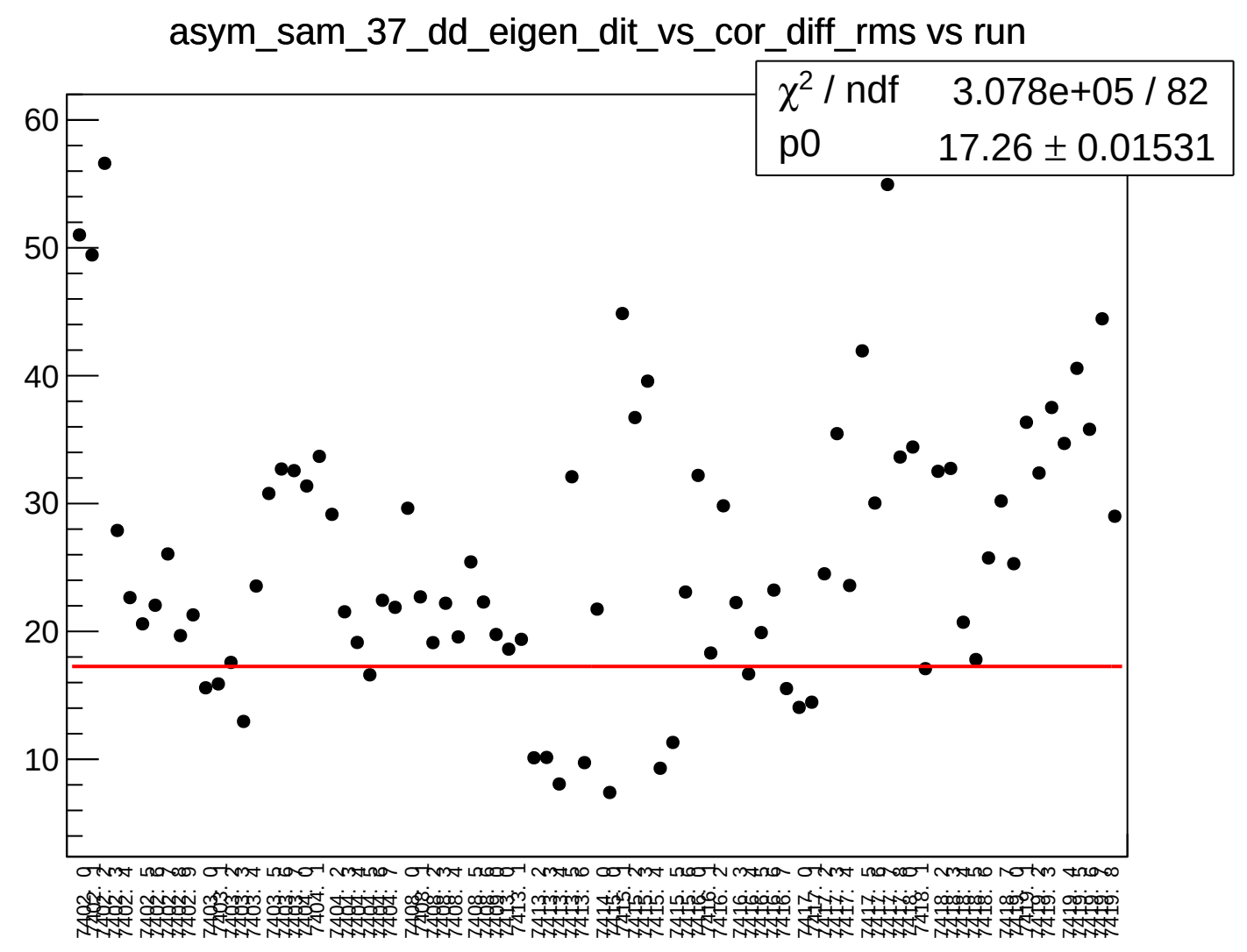

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 80.39 / 82
p0 2.171e−07 ± 5.93e−07
pull
Entries 83
Mean 292.5
Std Dev 0

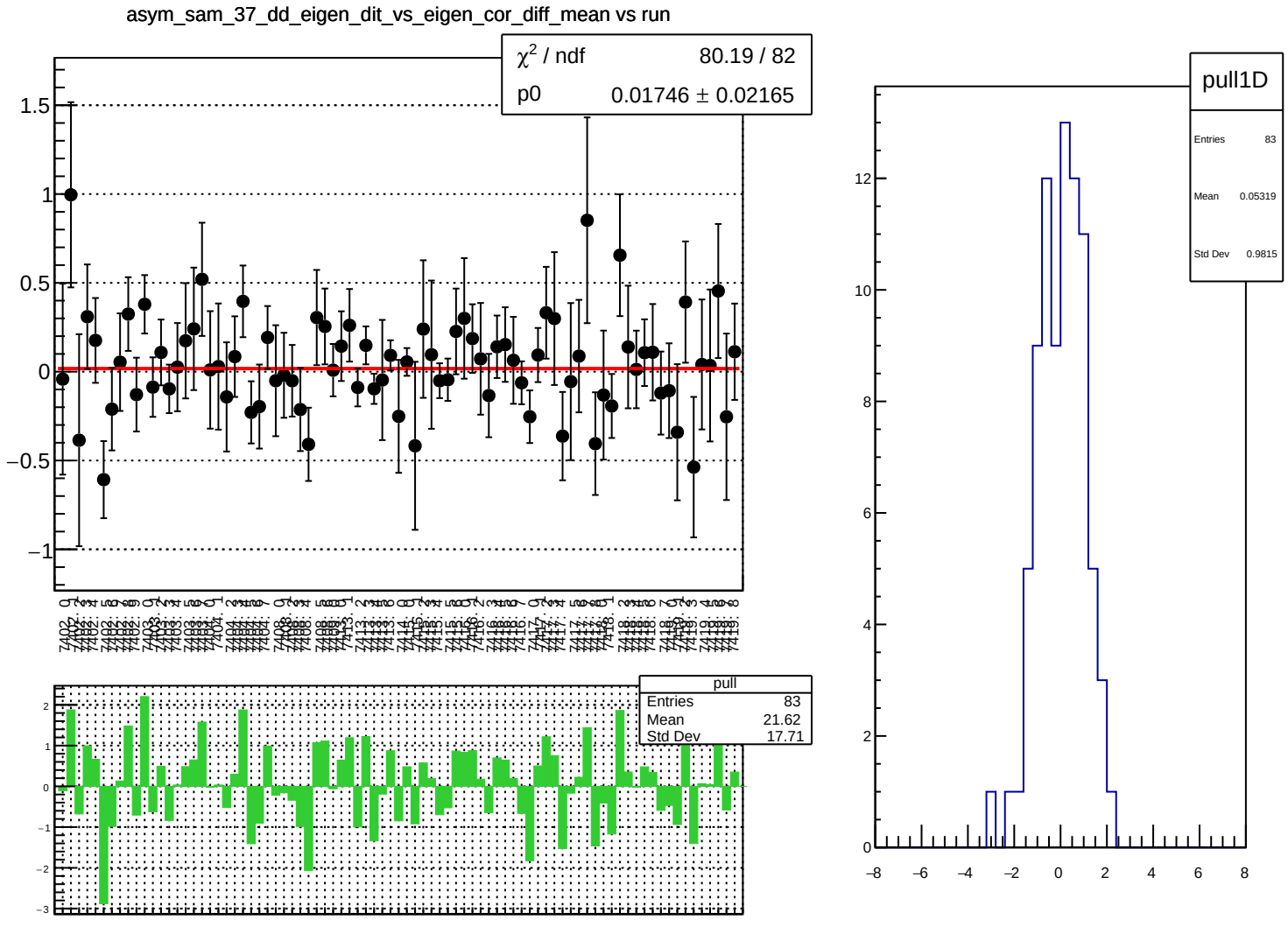

pull1D
Entries 83
Mean −0.007534
Std Dev 0.9841

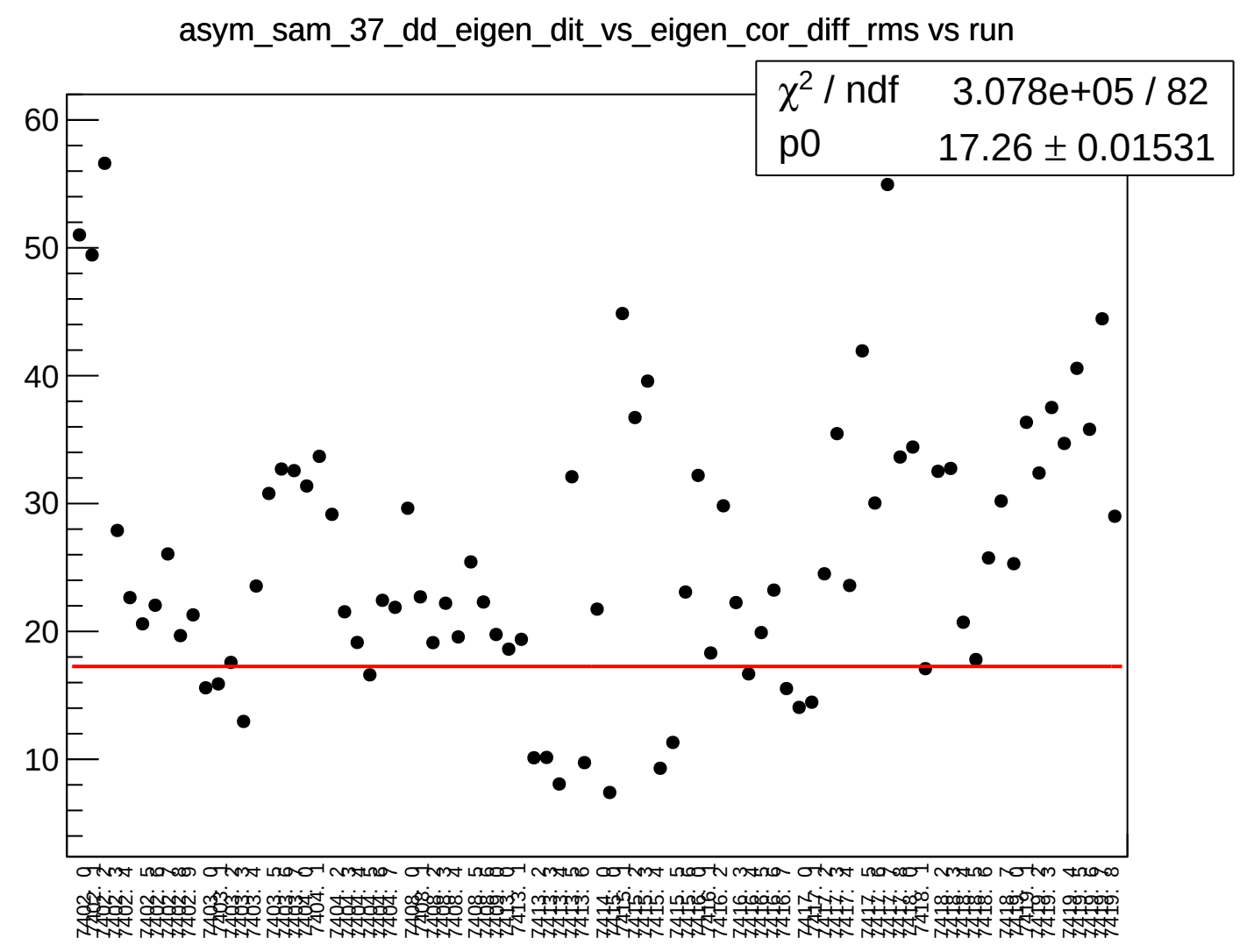

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 4291 / 82
p0 0.0005261 ± 4.193e–07
0.62
0.6
0.58
0.56
0.54
0.52
0.5
0.48

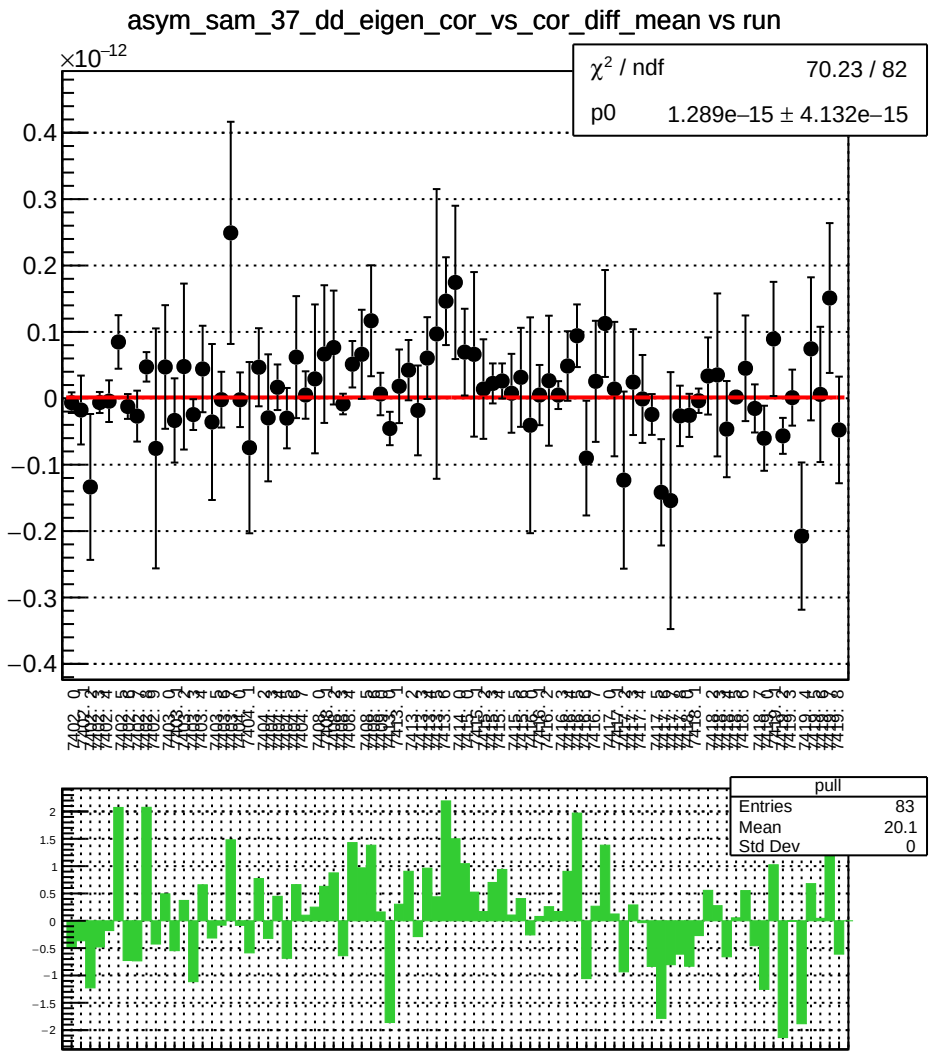

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.19 / 82
p0 0.01746 ± 0.02165
pull
Entries 83
Mean 21.62
Std Dev 17.71

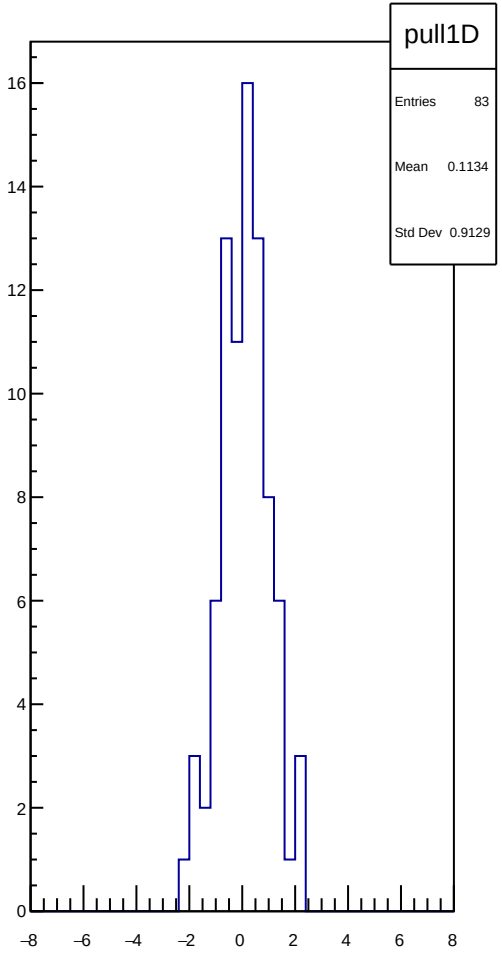

pull1D
Entries 83
Mean 0.05319
Std Dev 0.9815

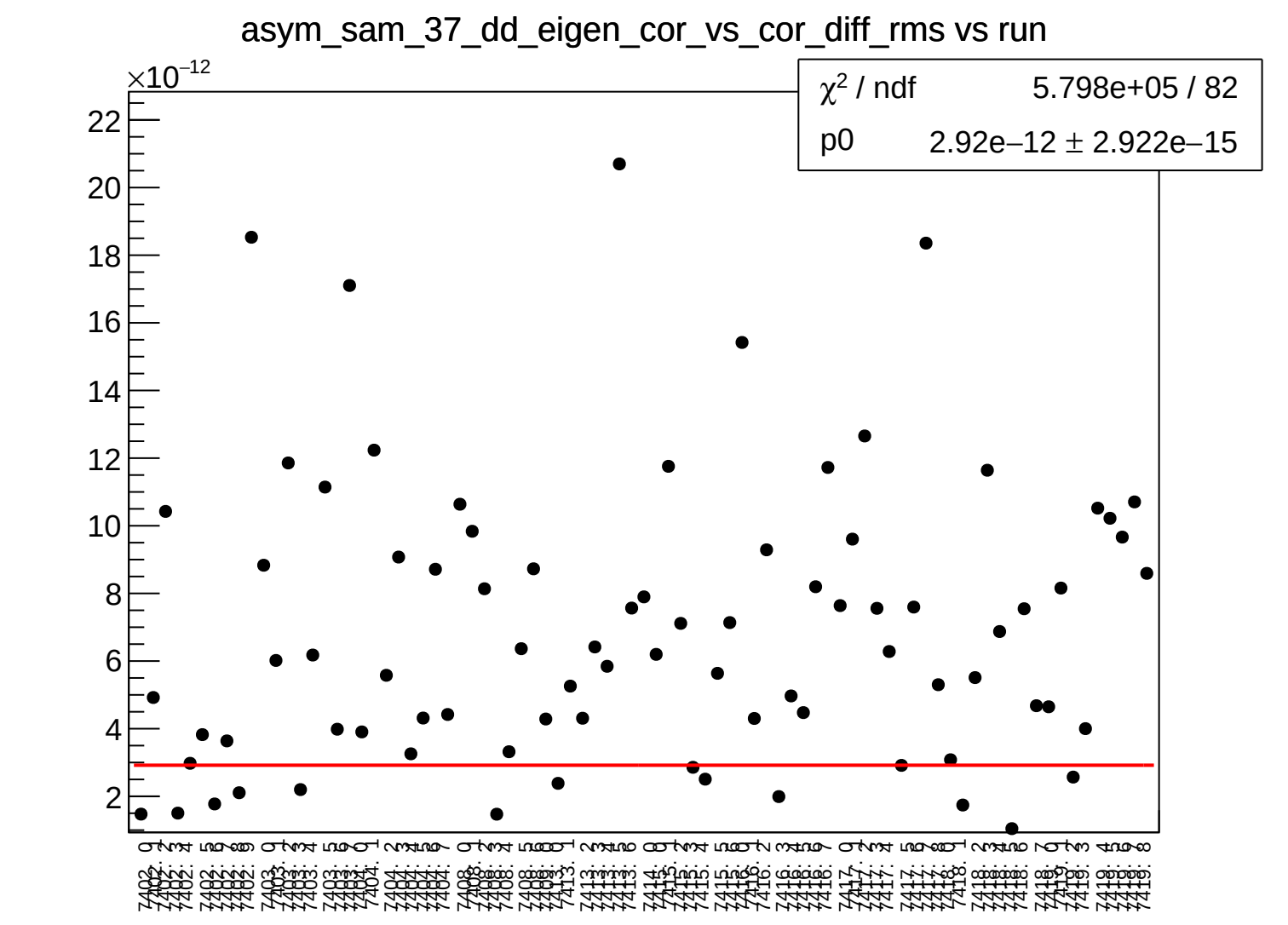

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.078e+05 / 82
p0 17.26 ± 0.01531
60
50
40
30
20
10

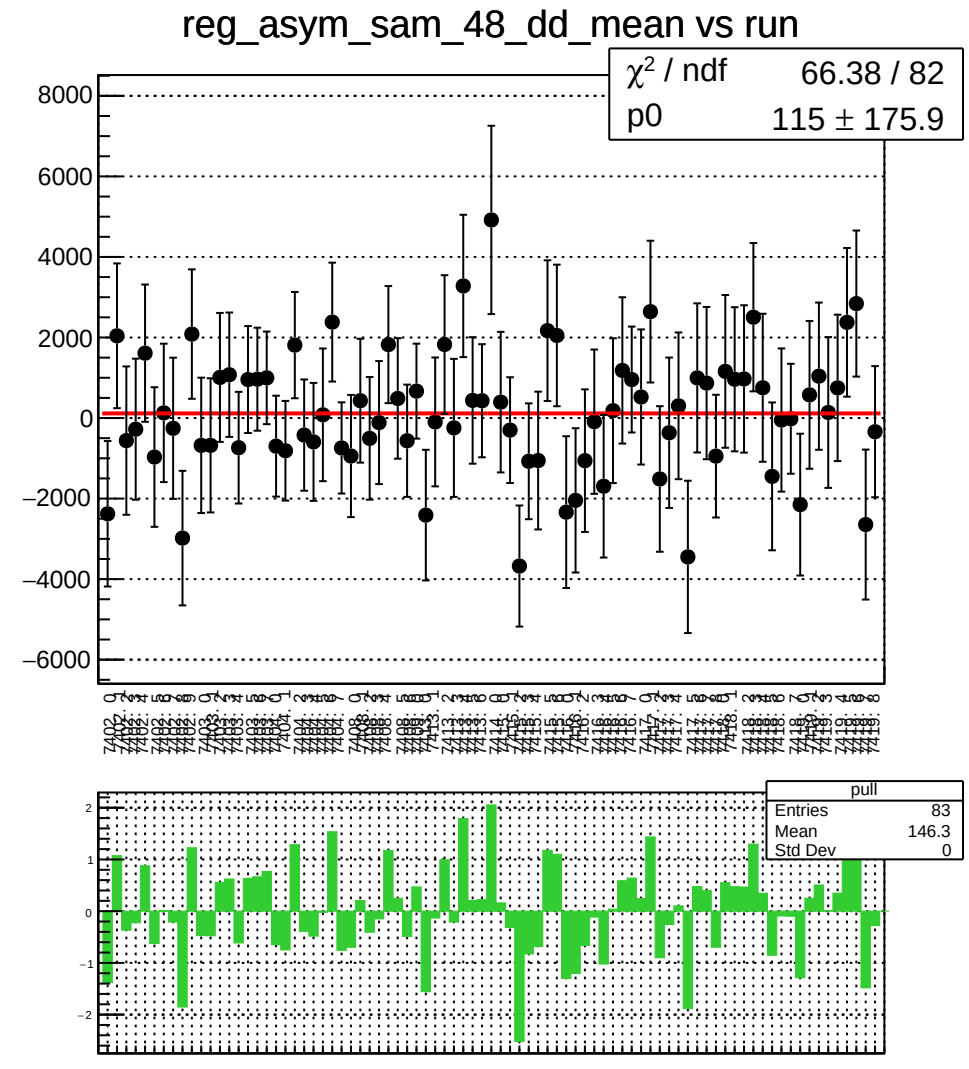

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.19 / 82
p0 0.01746 ± 0.02165
pull
Entries 83
Mean 21.62
Std Dev 17.71
pull1D
Entries 83
Mean 0.05319
Std Dev 0.9815

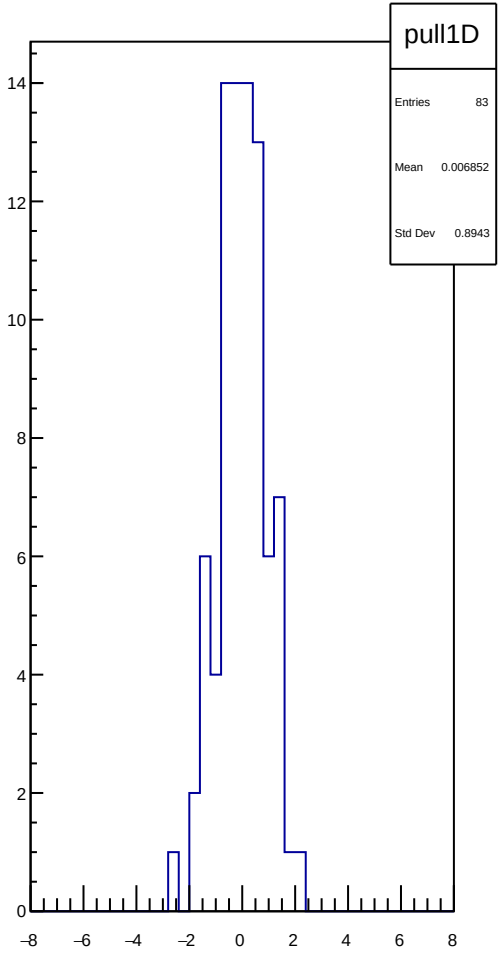

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.078e+05 / 82
p0 17.26 ± 0.01531
60
50
40
30
20
10

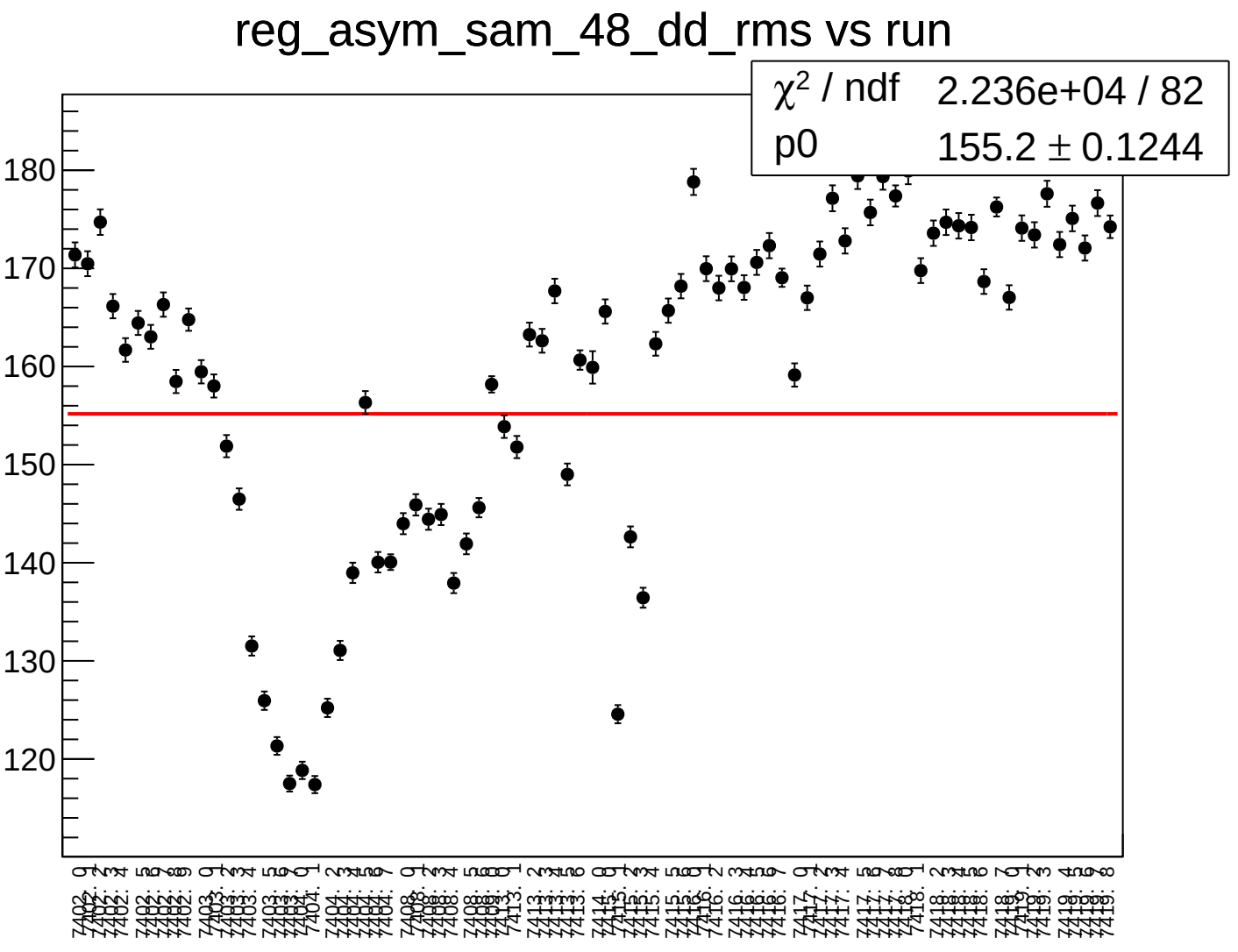

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.23 / 82
p0 1.289e−15 ± 4.132e−15
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull
Entries 83
Mean 20.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

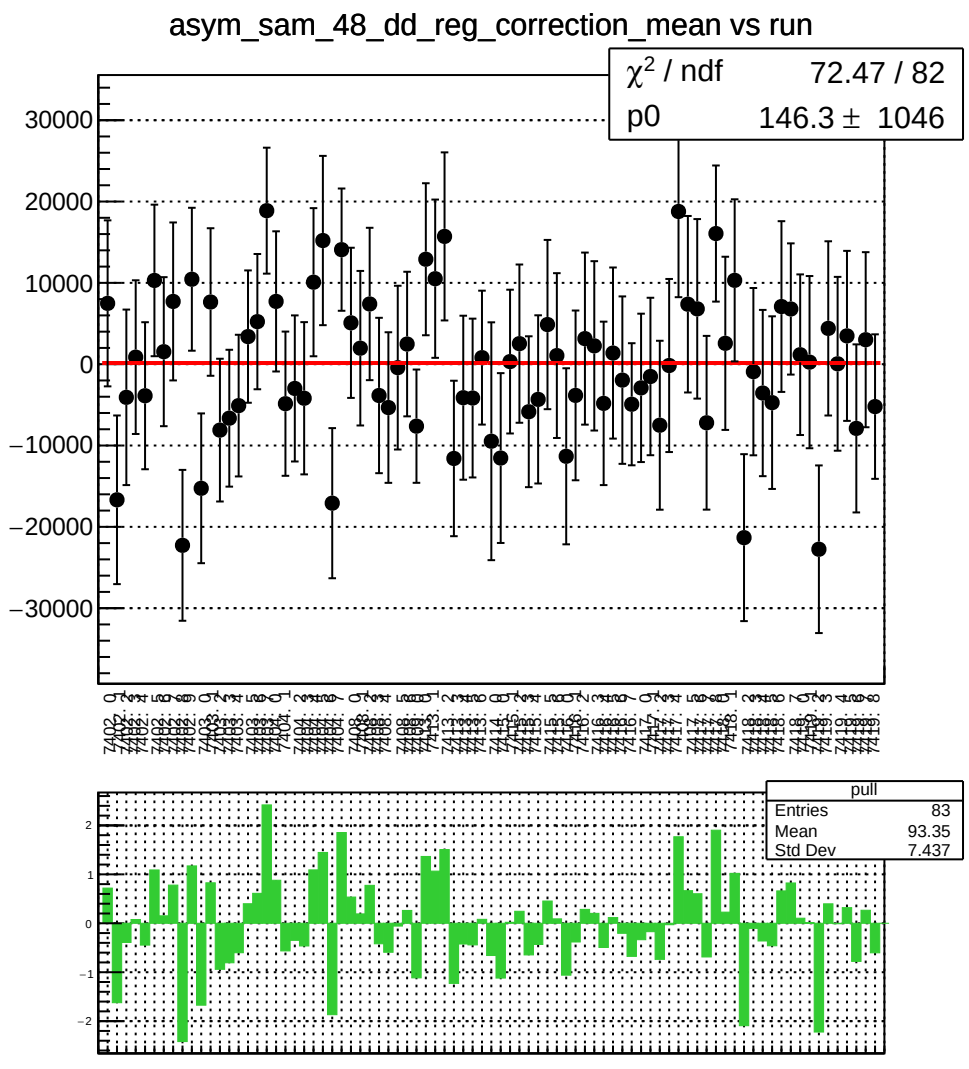

pull1D
Entries 83
Mean 0.1134
Std Dev 0.9129
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

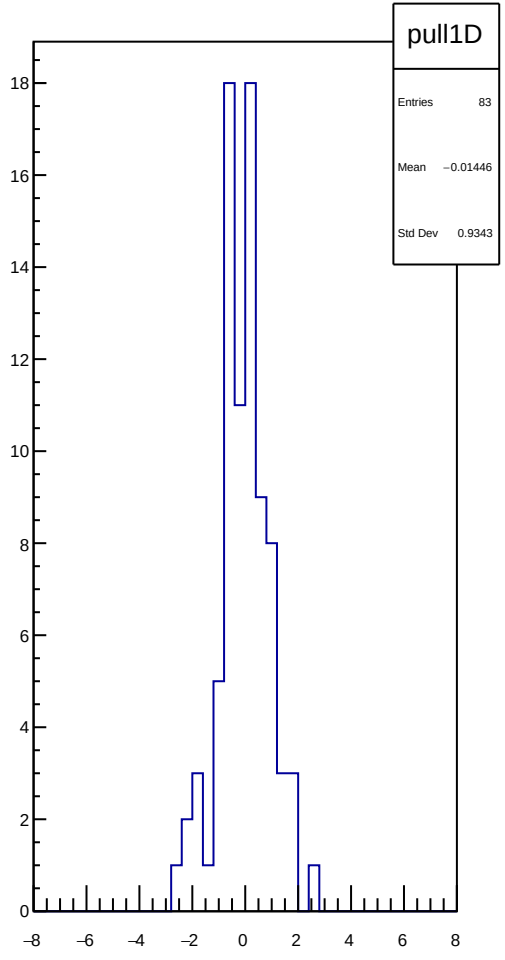

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.798e+05 / 82
p0 2.92e−12 ± 2.922e−15
22
20
18
16
14
12
10
8
6
4
2

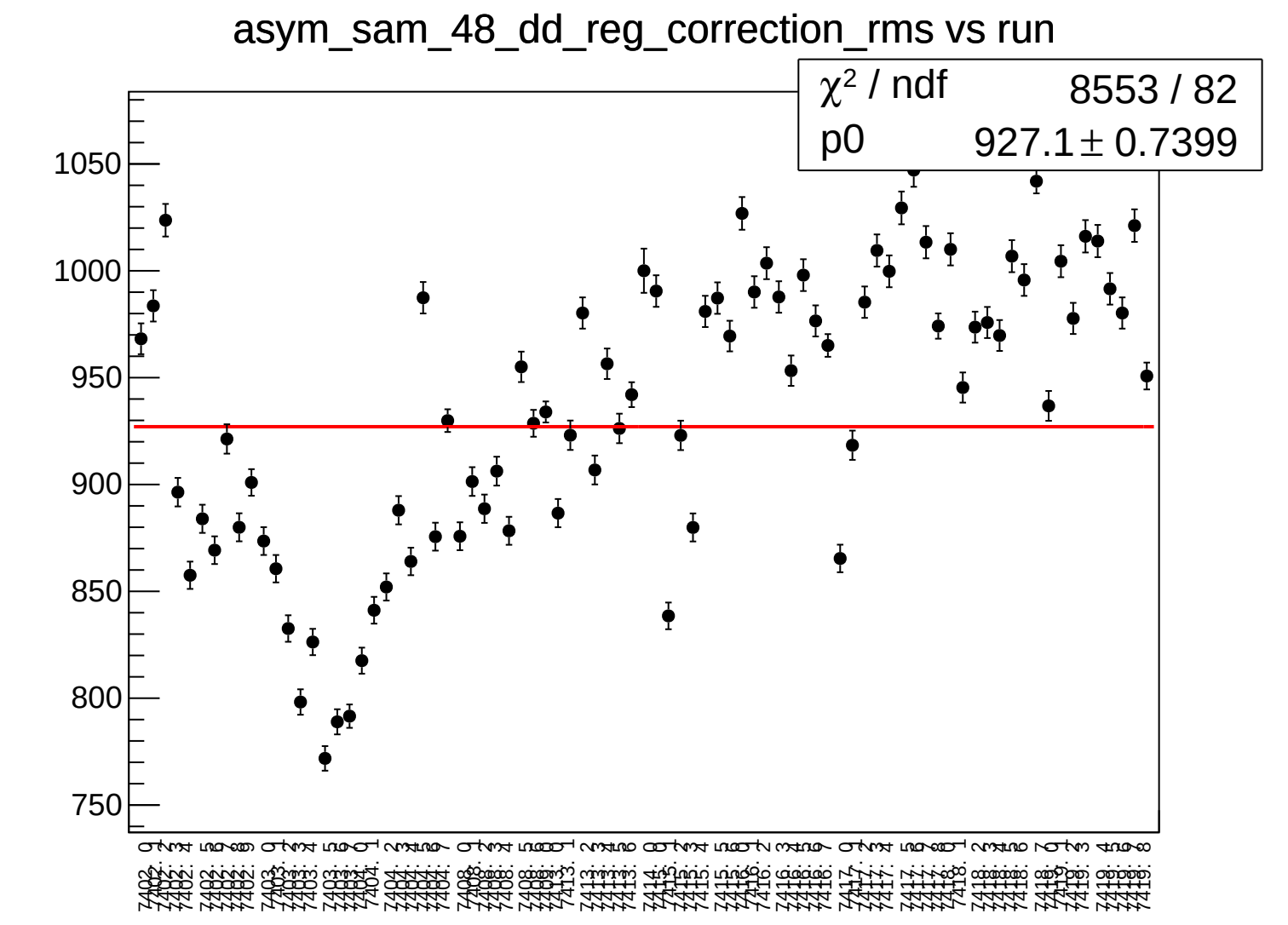

reg_asym_sam_48_dd_mean vs run
χ² / ndf 66.38 / 82
p0 115 ± 175.9
pull
Entries 83
Mean 146.3
Std Dev 0

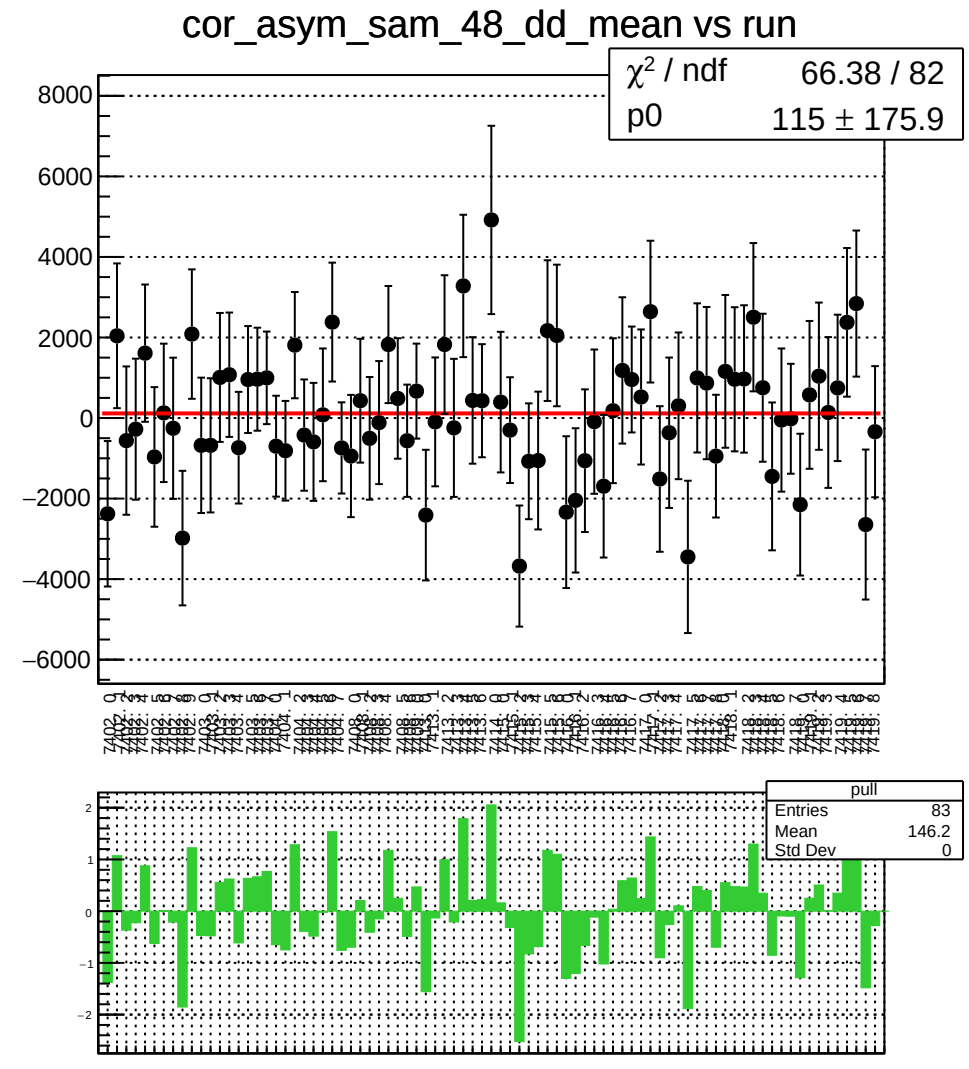

pull1D
Entries 83
Mean 0.006852
Std Dev 0.8943

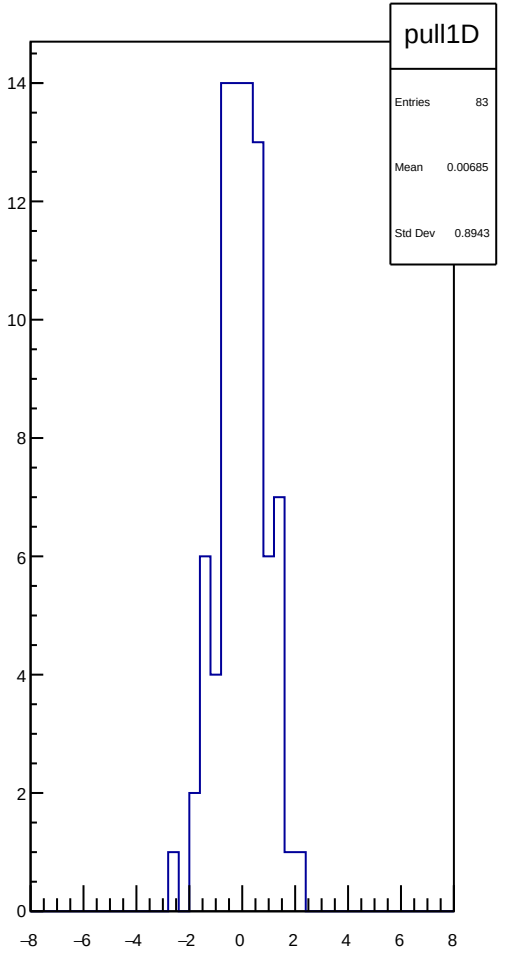

reg_asym_sam_48_dd_rms vs run
χ² / ndf 2.236e+04 / 82
p0 155.2 ± 0.1244
180
170
160
150
140
130
120

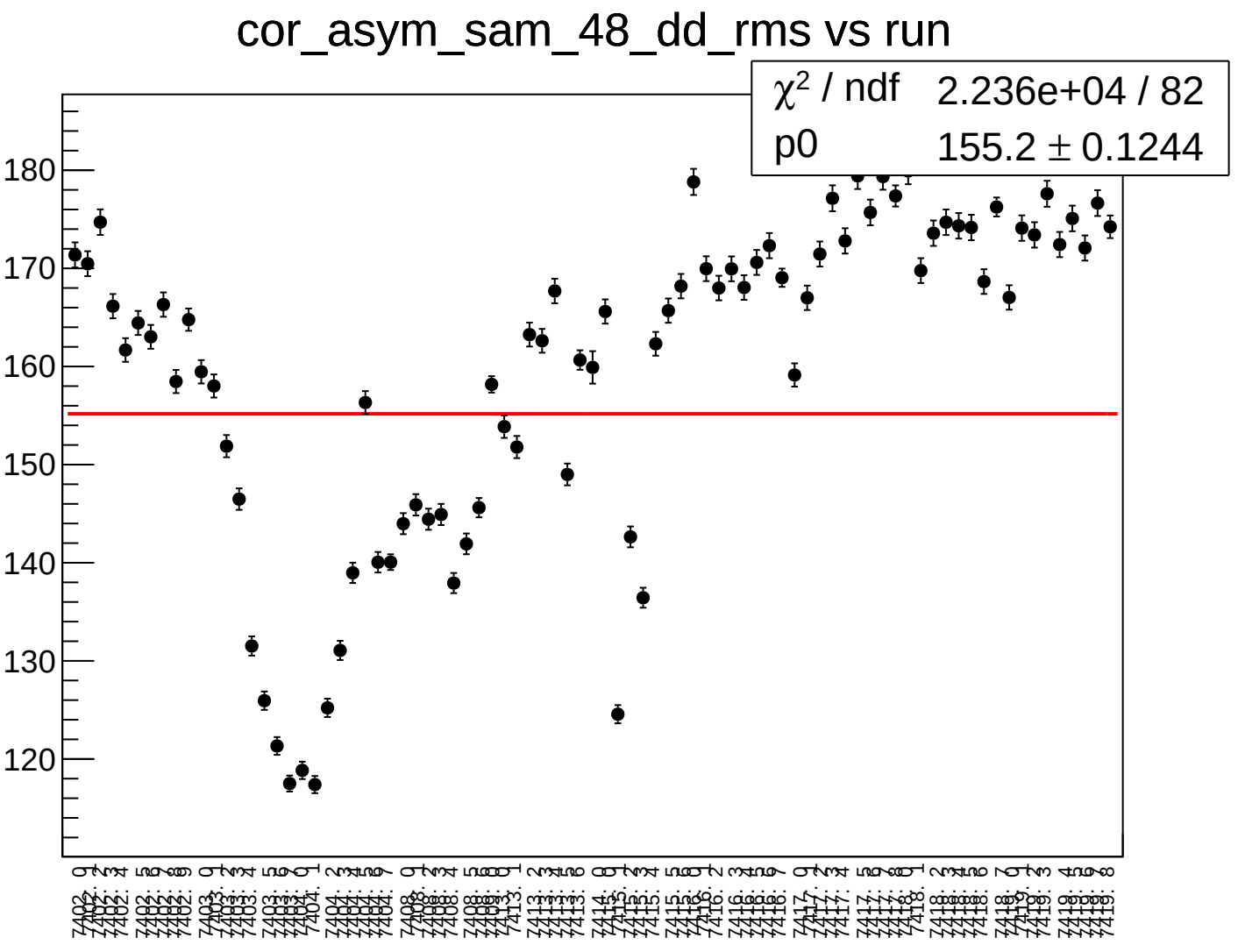

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 72.47 / 82
p0 146.3 ± 1046
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 93.35
Std Dev 7.437
2
1
0
−1
−2

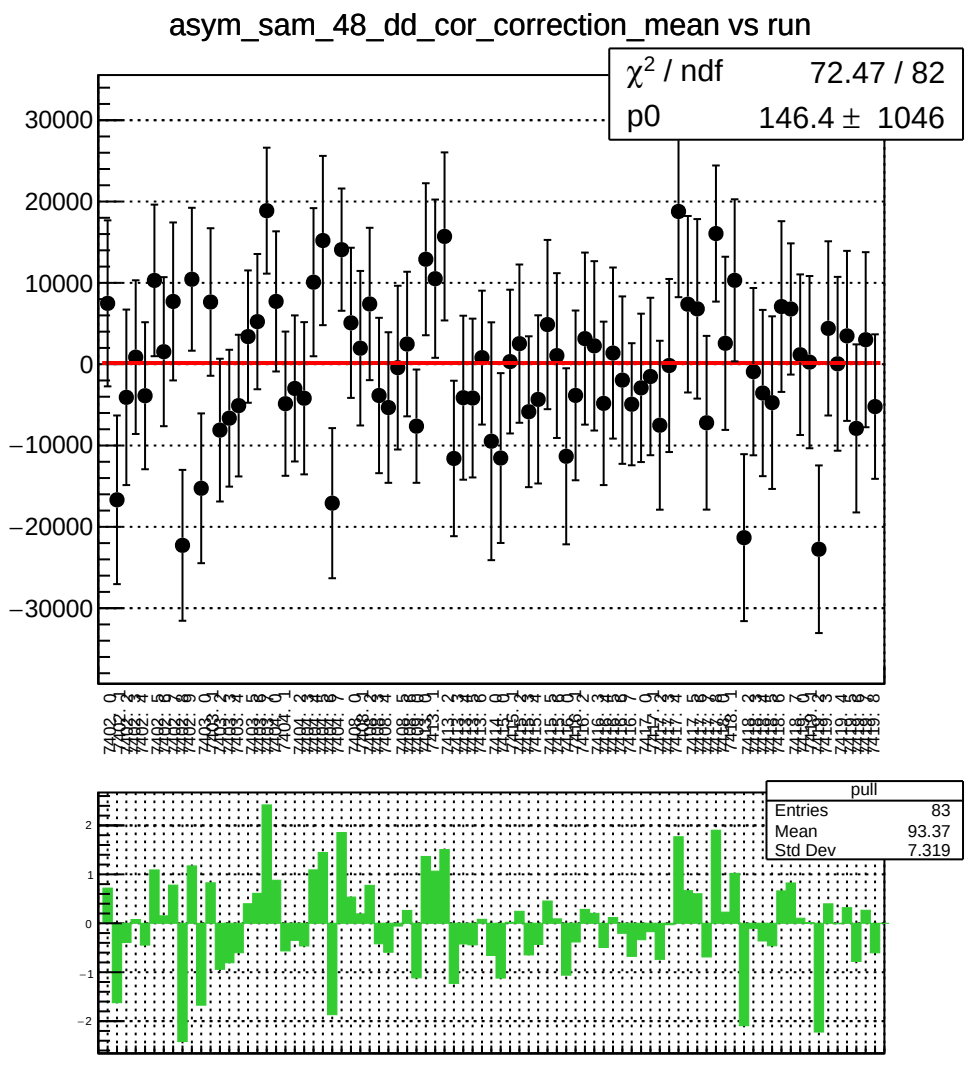

pull1D
Entries 83
Mean −0.01446
Std Dev 0.9343
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

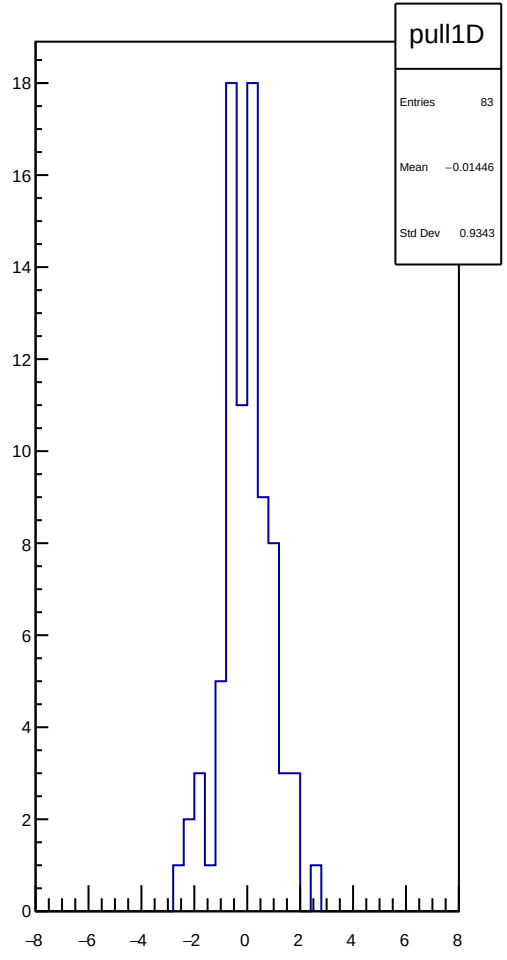

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 8553 / 82
p0 927.1 ± 0.7399
1050
1000
950
900
850
800
750

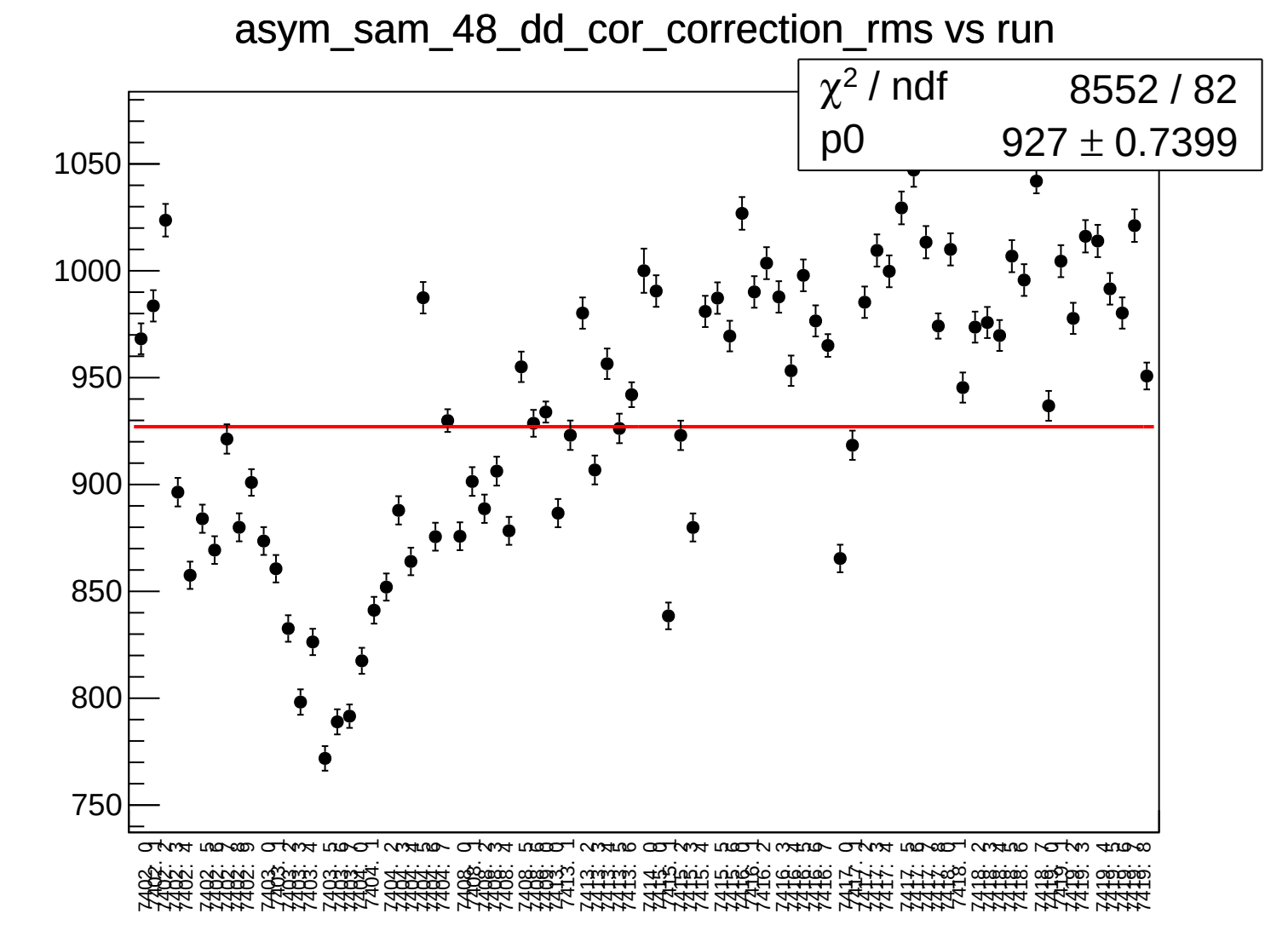

cor_asym_sam_48_dd_mean vs run
χ² / ndf 66.38 / 82
p0 115 ± 175.9
pull
Entries 83
Mean 146.2
Std Dev 0

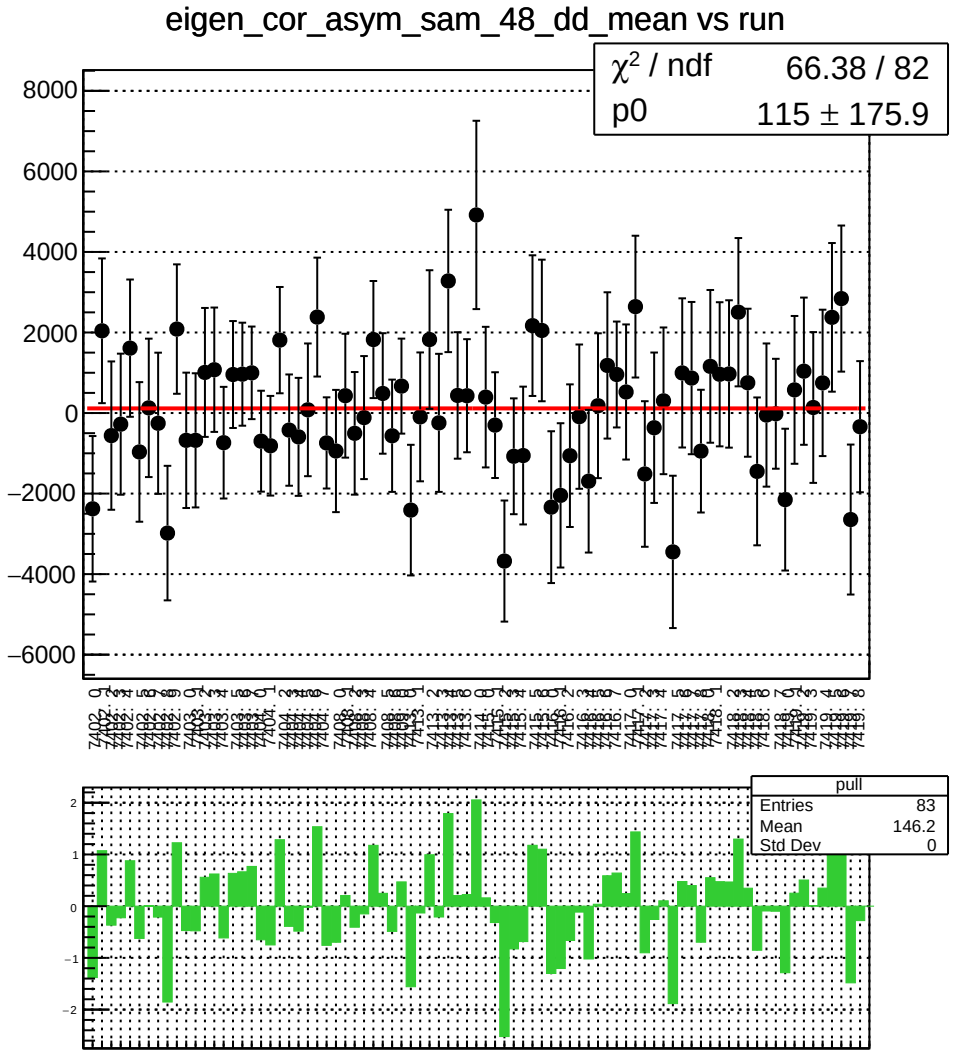

pull1D
Entries 83
Mean 0.00685
Std Dev 0.8943

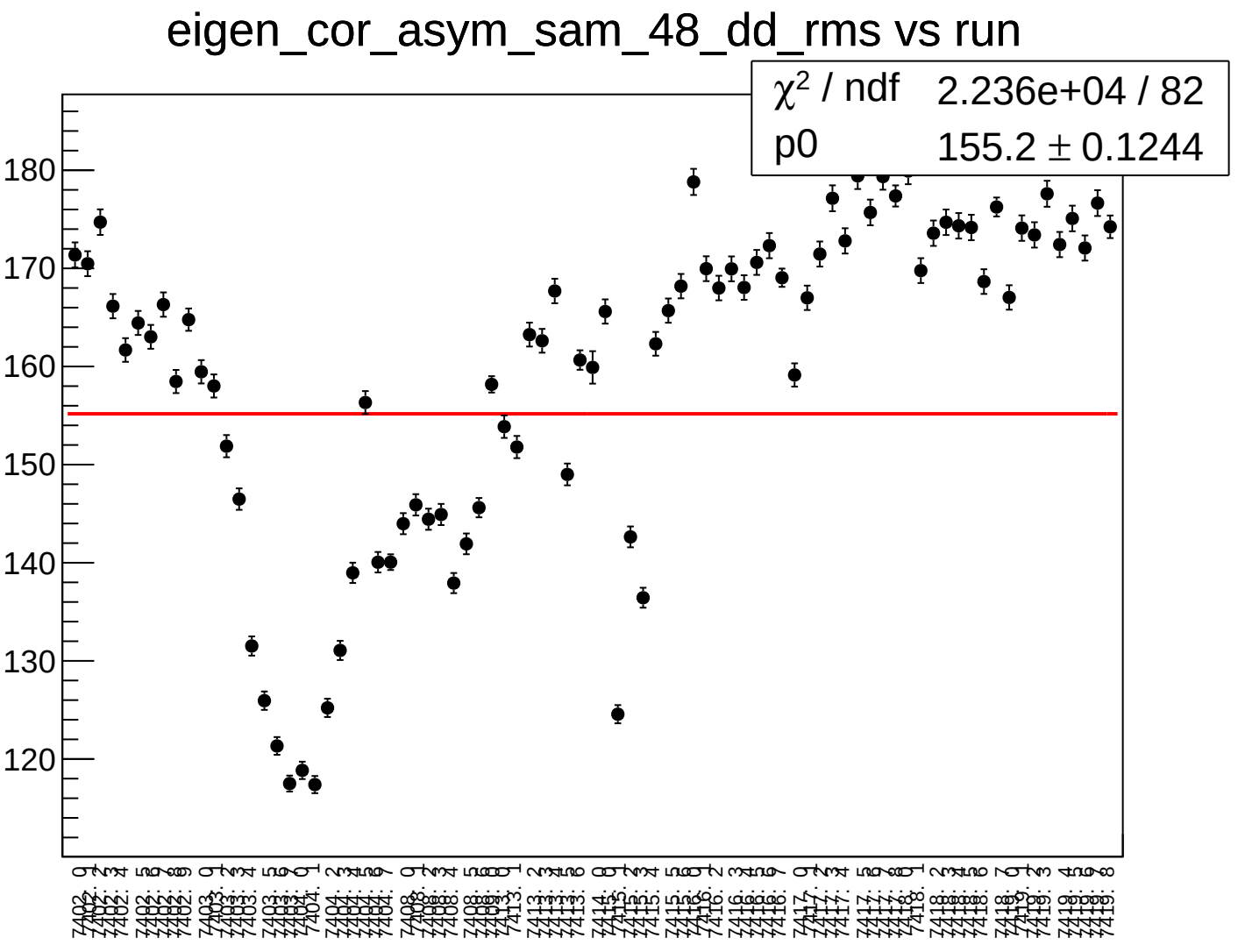

cor_asym_sam_48_dd_rms vs run
χ² / ndf 2.236e+04 / 82
p0 155.2 ± 0.1244
180
170
160
150
140
130
120

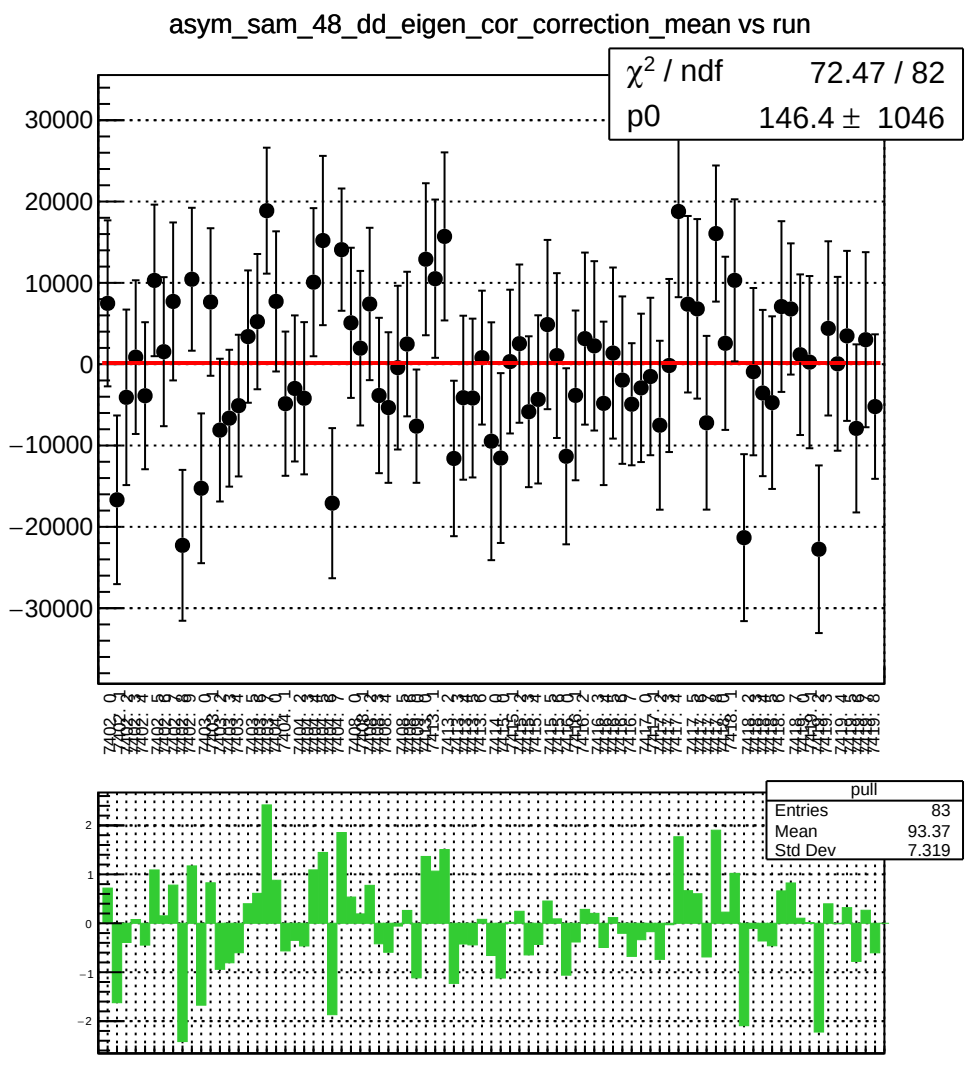

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 72.47 / 82
p0 146.4 ± 1046
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 93.37
Std Dev 7.319
2
1
0
−1
−2

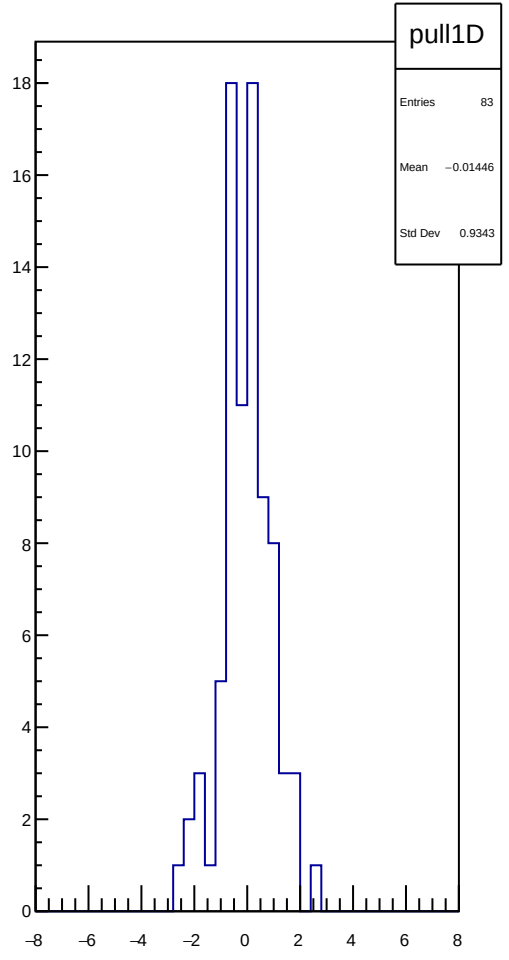

pull1D
Entries 83
Mean −0.01446
Std Dev 0.9343
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

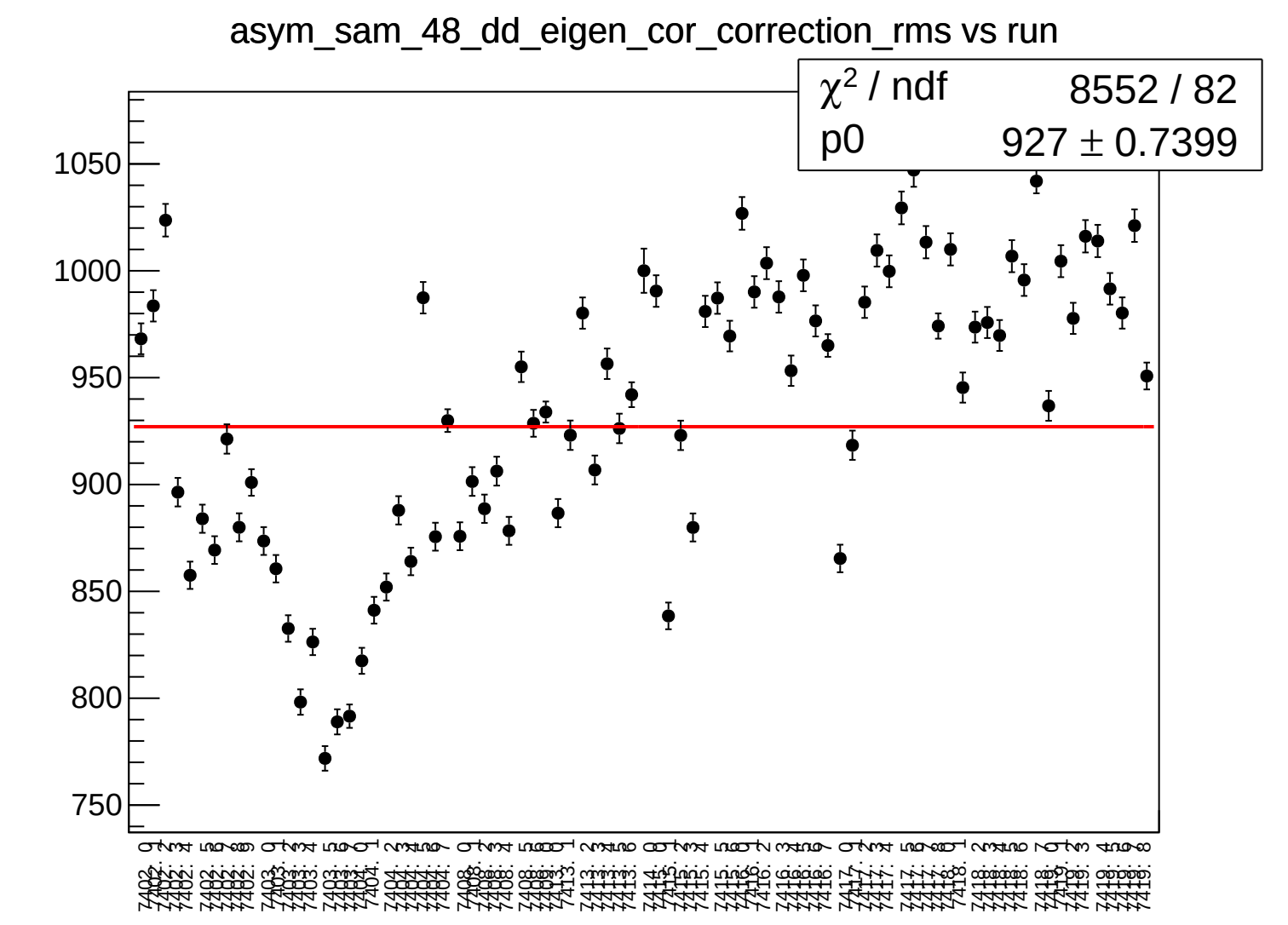

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 8552 / 82
p0 927 ± 0.7399
1050
1000
950
900
850
800
750

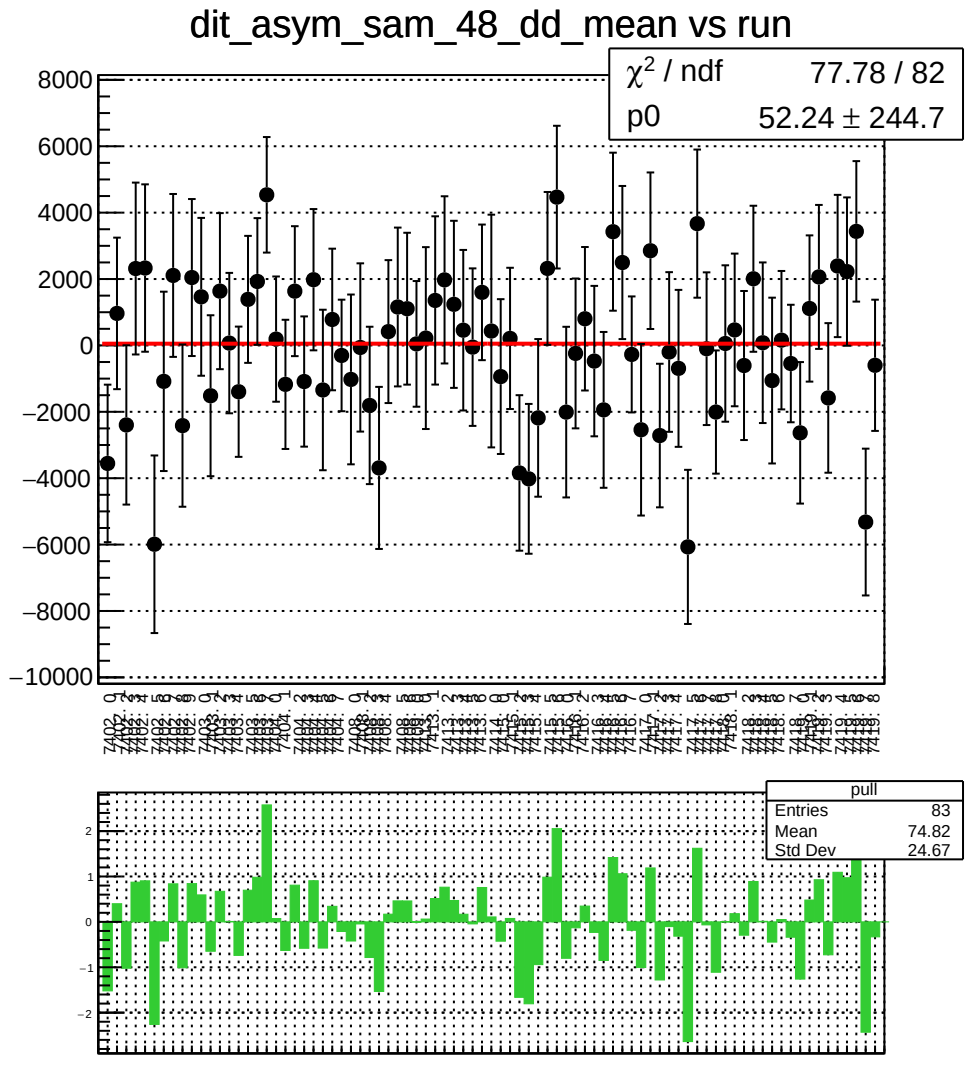

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 66.38 / 82
p0 115 ± 175.9
pull
Entries 83
Mean 146.2
Std Dev 0
pull1D
Entries 83
Mean 0.00685
Std Dev 0.8943

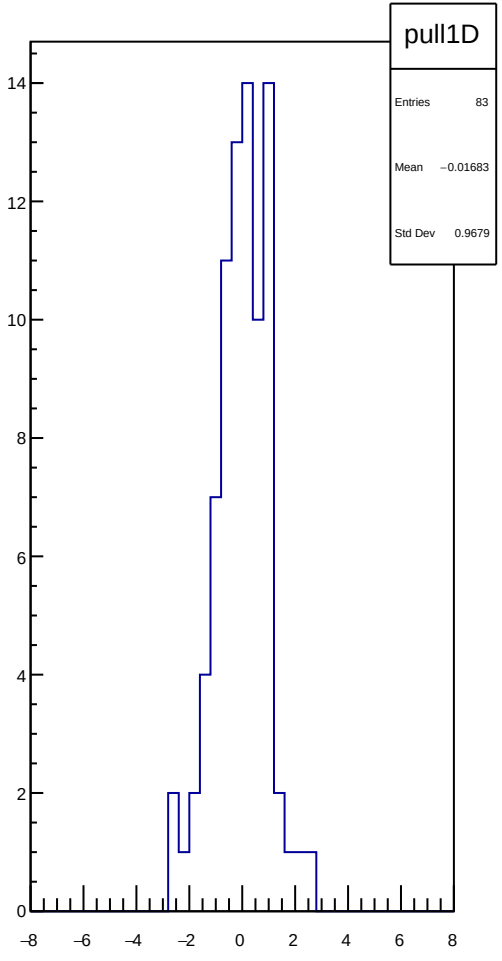

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 2.236e+04 / 82
p0 155.2 ± 0.1244
180
170
160
150
140
130
120

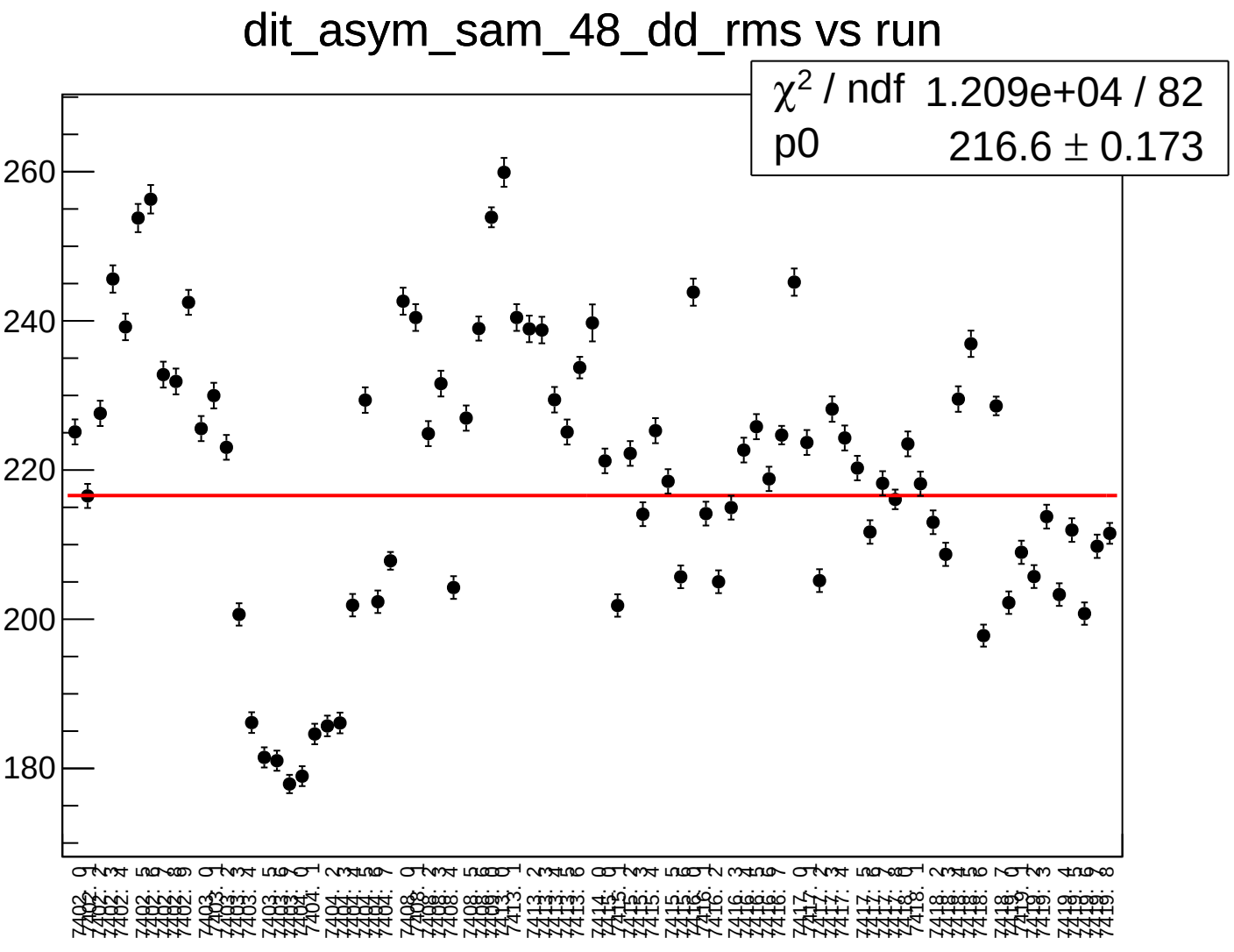

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.47 / 82
p0 146.4 ± 1046
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 93.37
Std Dev 7.319
2
1
0
−1
−2

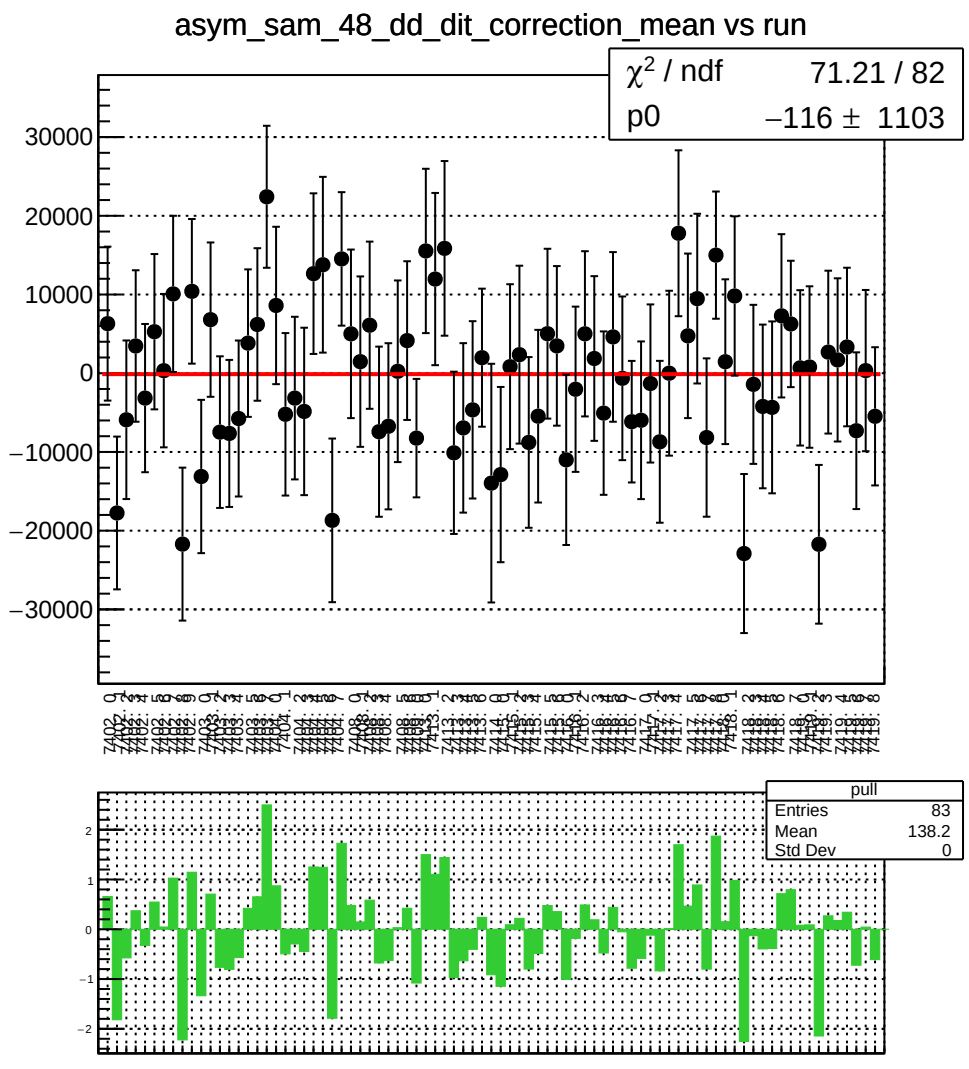

pull1D
Entries 83
Mean −0.01446
Std Dev 0.9343
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

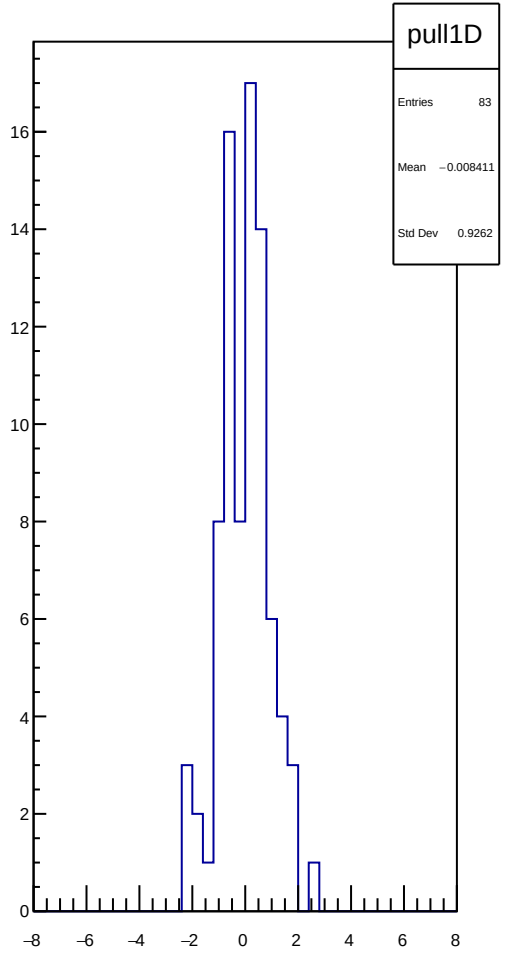

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 8552 / 82
p0 927 ± 0.7399
1050
1000
950
900
850
800
750

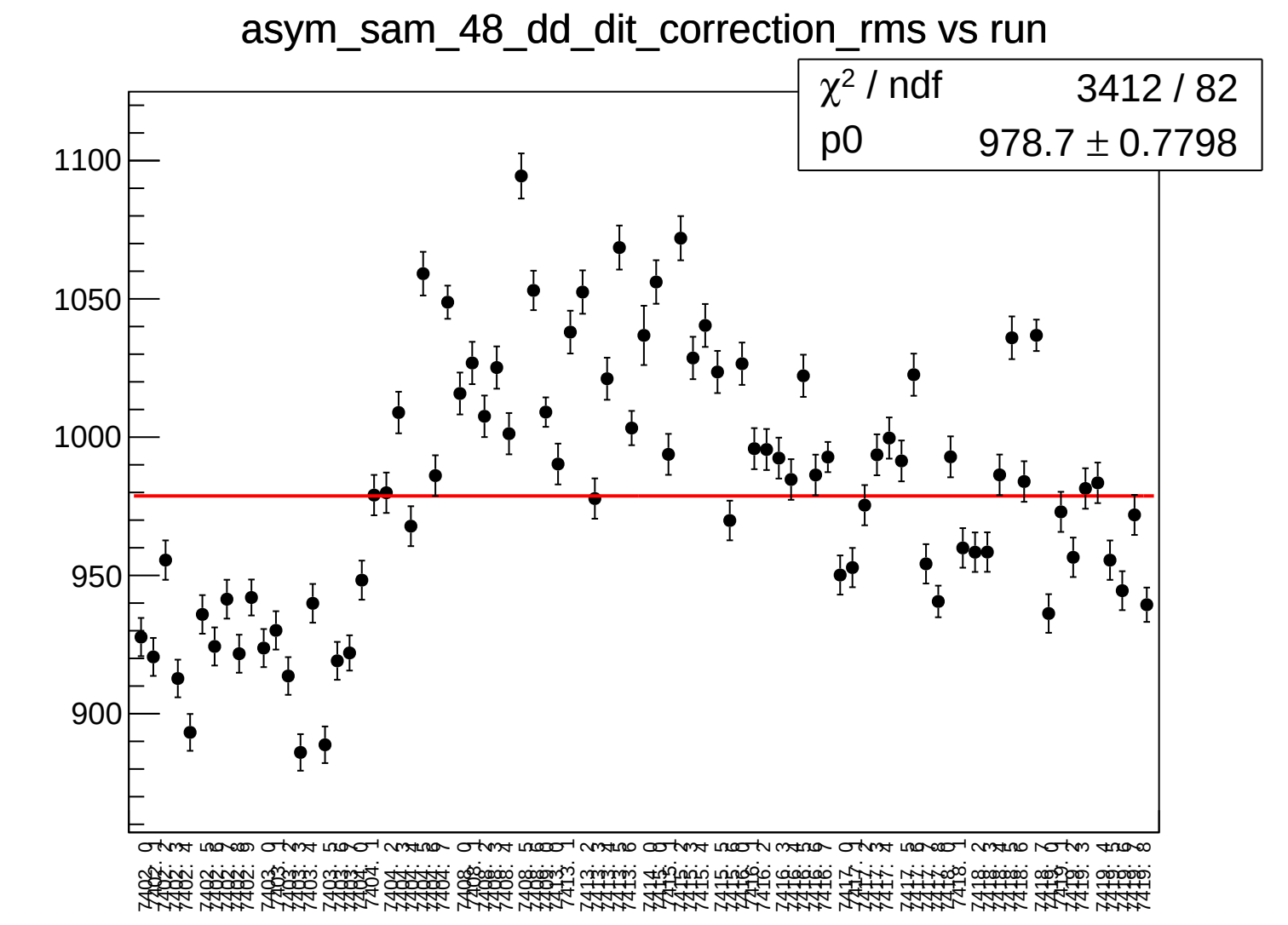

dit_asym_sam_48_dd_mean vs run
χ² / ndf 77.78 / 82
p0 52.24 ± 244.7
pull
Entries 83
Mean 74.82
Std Dev 24.67

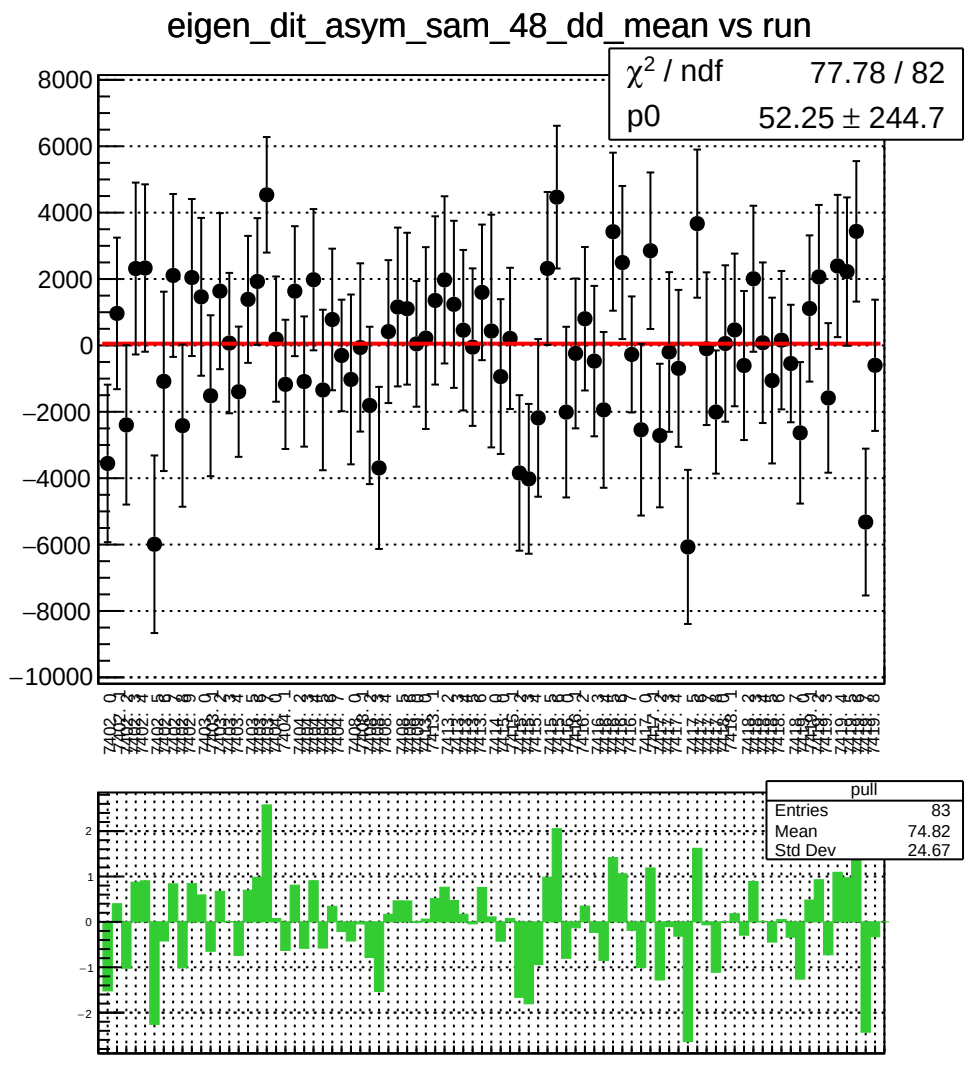

pull1D
Entries 83
Mean −0.01683
Std Dev 0.9679

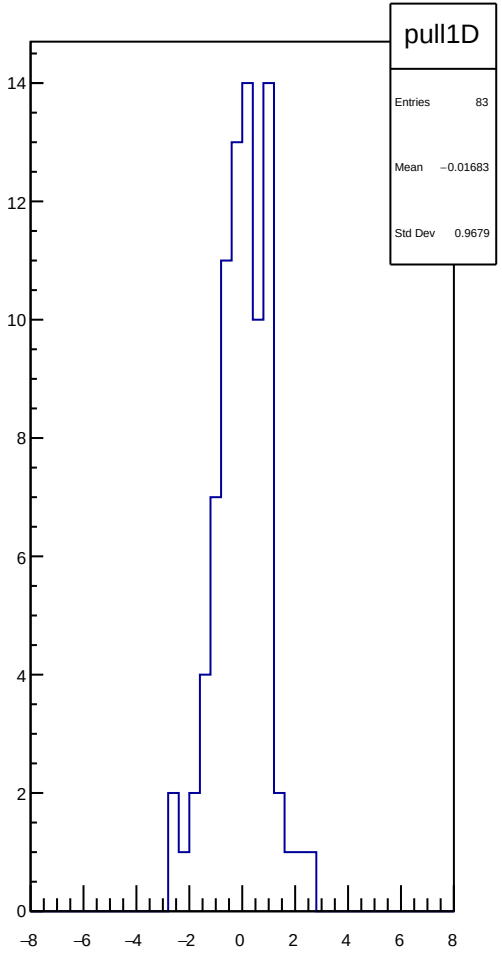

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.209e+04 / 82
p0 216.6 ± 0.173
260
240
220
200
180

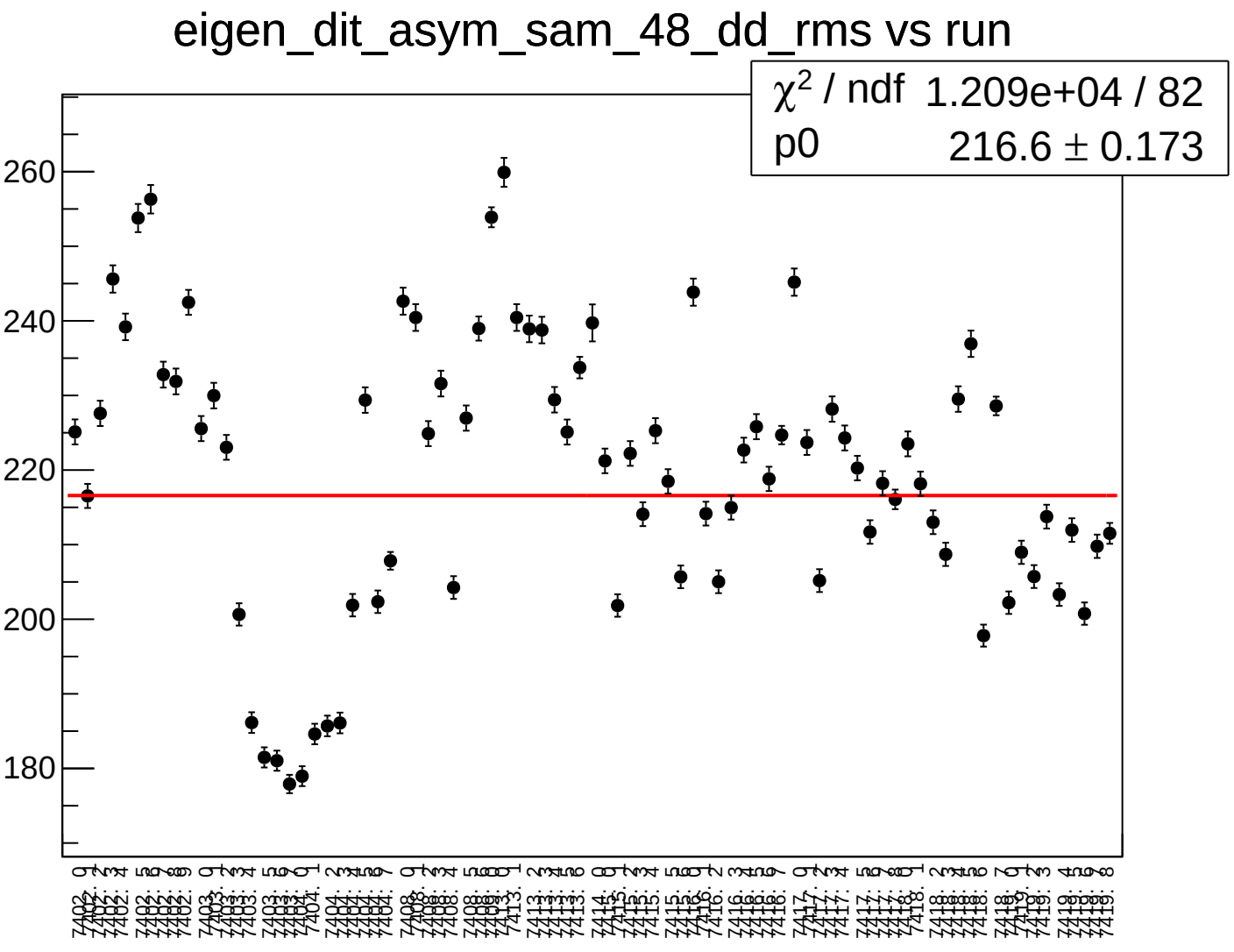

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 71.21 / 82
p0 −116 ± 1103
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 138.2
Std Dev 0
2
1
0
−1
−2

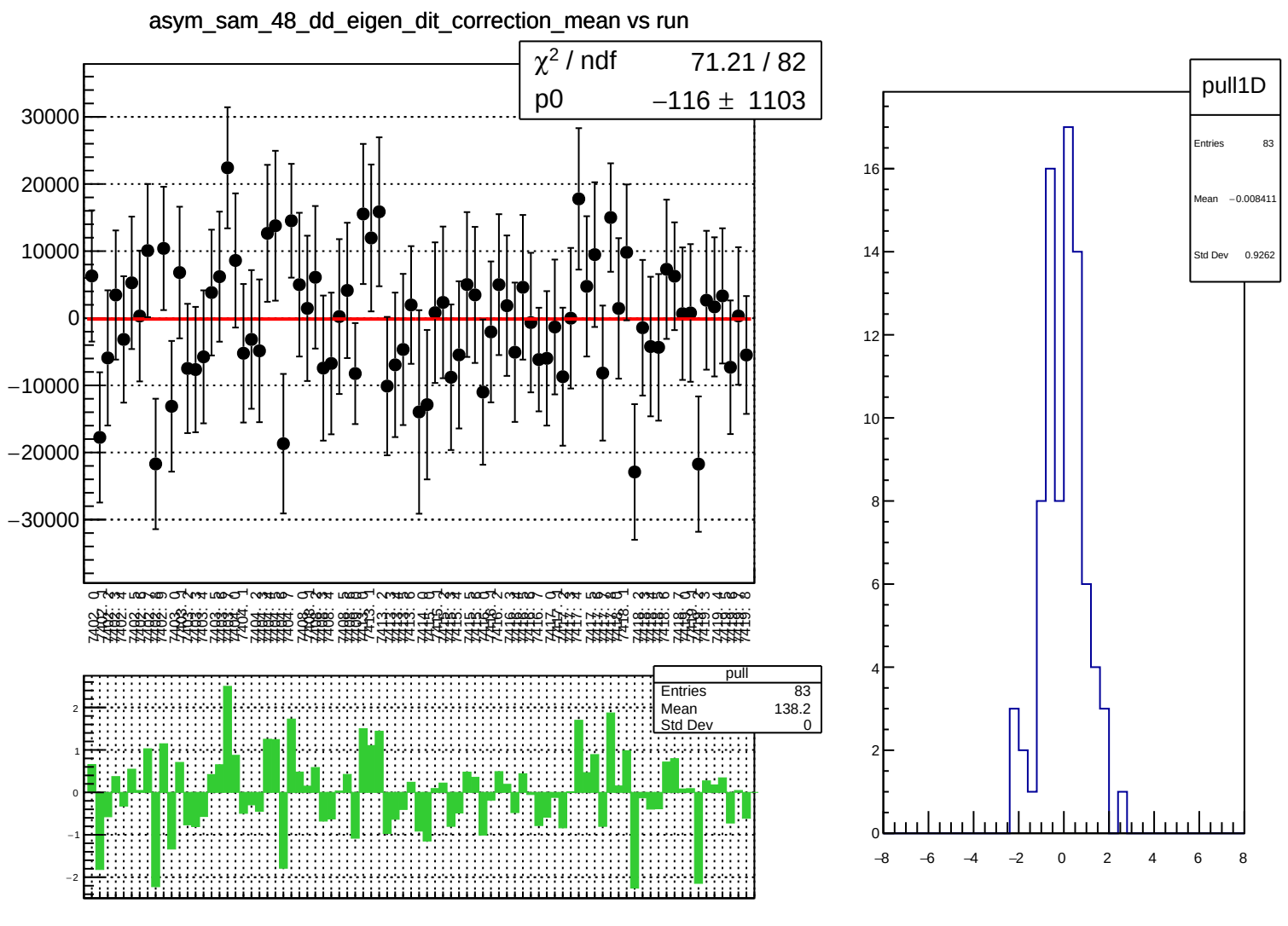

pull1D
Entries 83
Mean −0.008411
Std Dev 0.9262
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

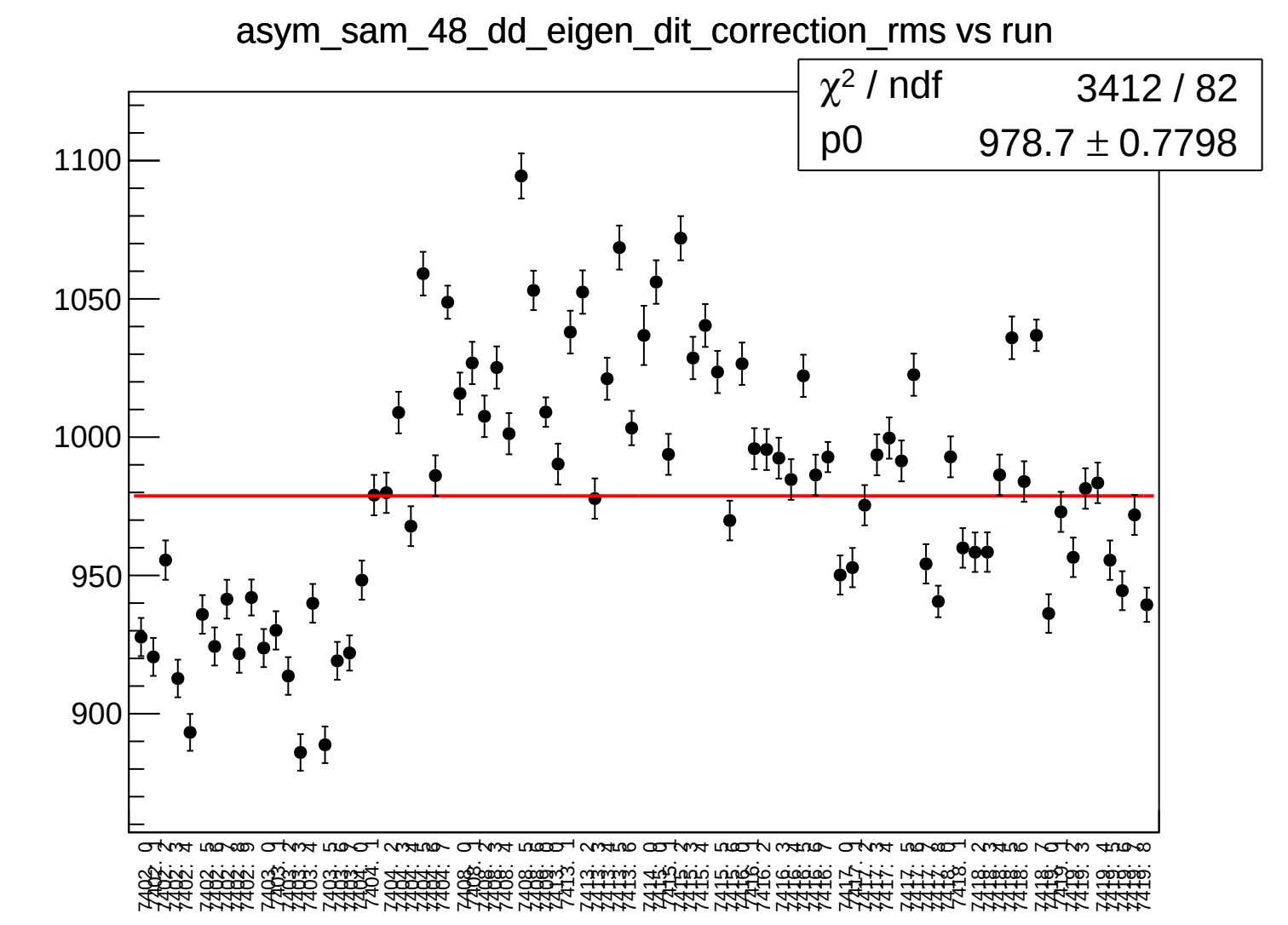

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 3412 / 82
p0 978.7 ± 0.7798
1100
1050
1000
950
900

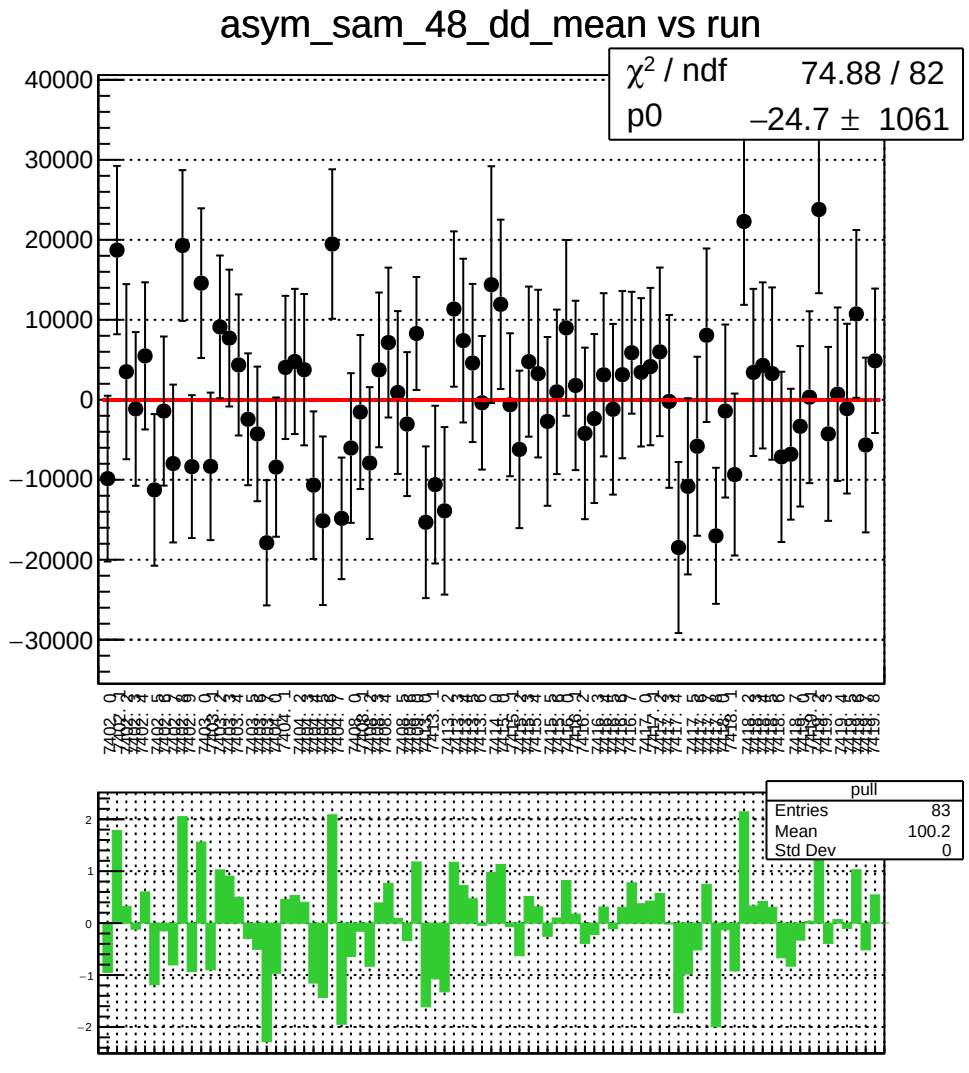

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 77.78 / 82
p0 52.25 ± 244.7
pull
Entries 83
Mean 74.82
Std Dev 24.67

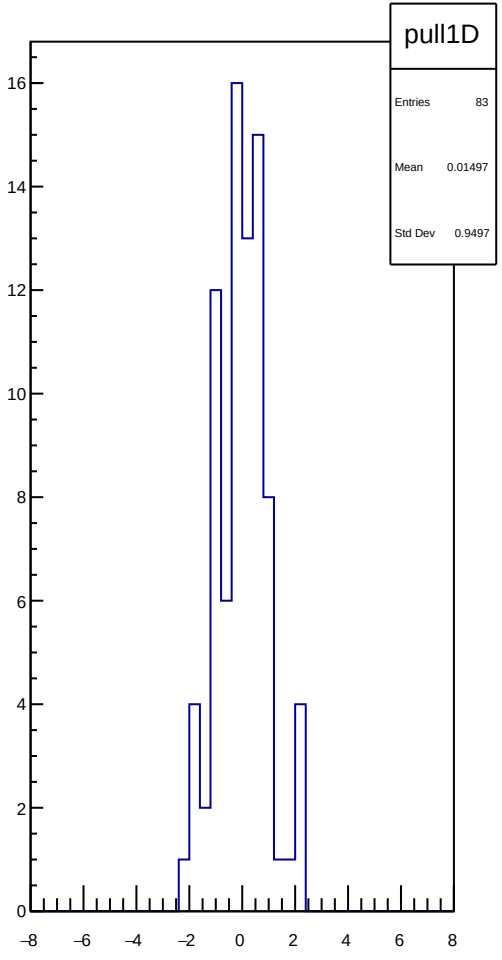

pull1D
Entries 83
Mean −0.01683
Std Dev 0.9679

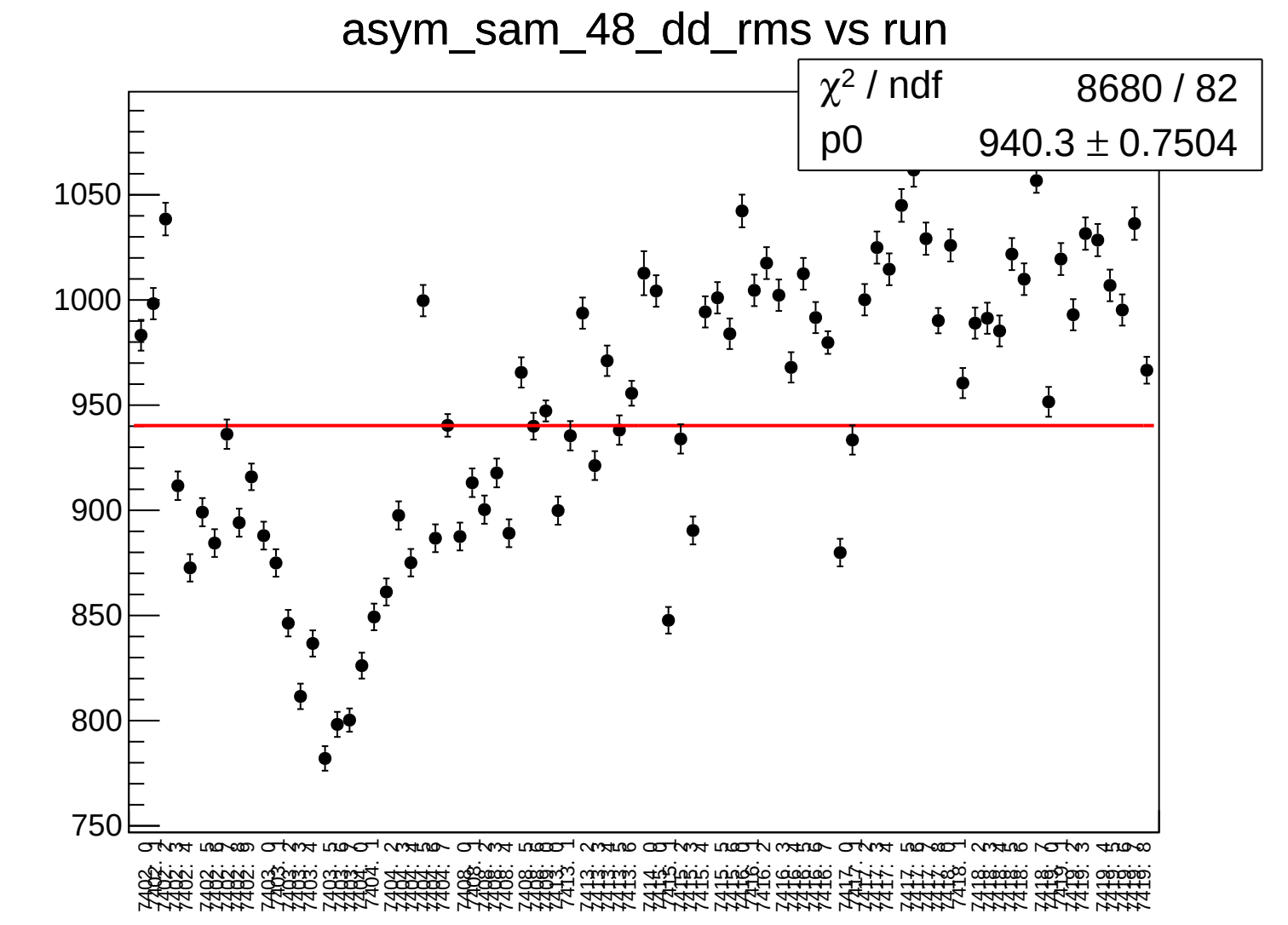

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.209e+04 / 82
p0 216.6 ± 0.173
260
240
220
200
180

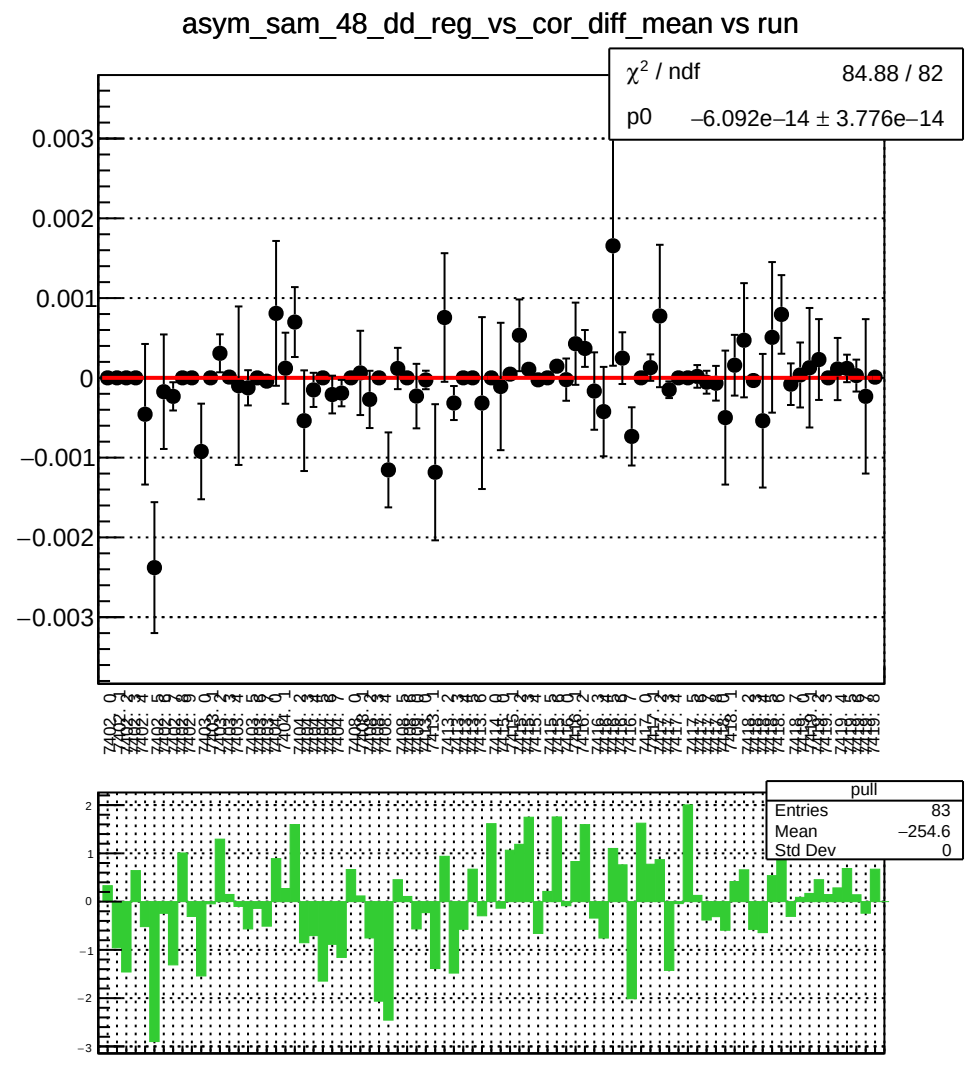

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 71.21 / 82
p0 −116 ± 1103
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 138.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.008411
Std Dev 0.9262
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

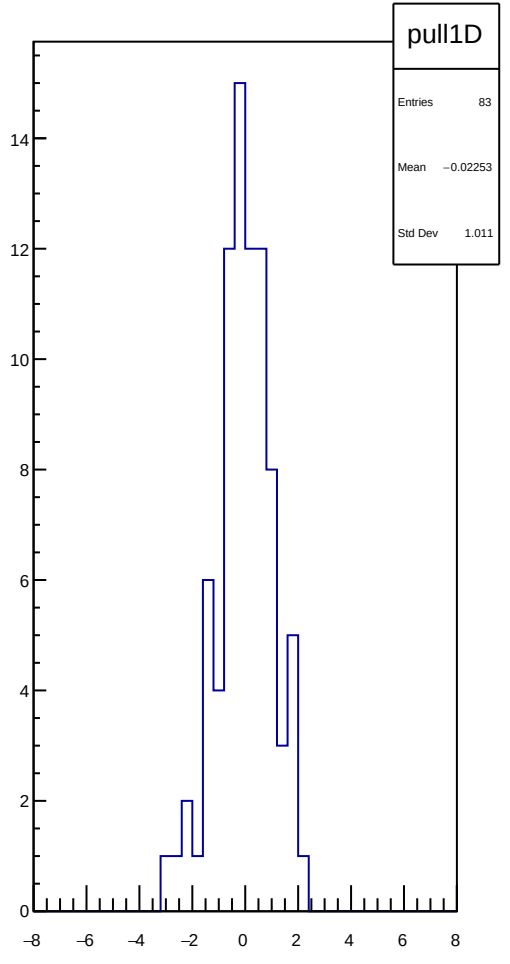

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 3412 / 82
p0 978.7 ± 0.7798
1100
1050
1000
950
900

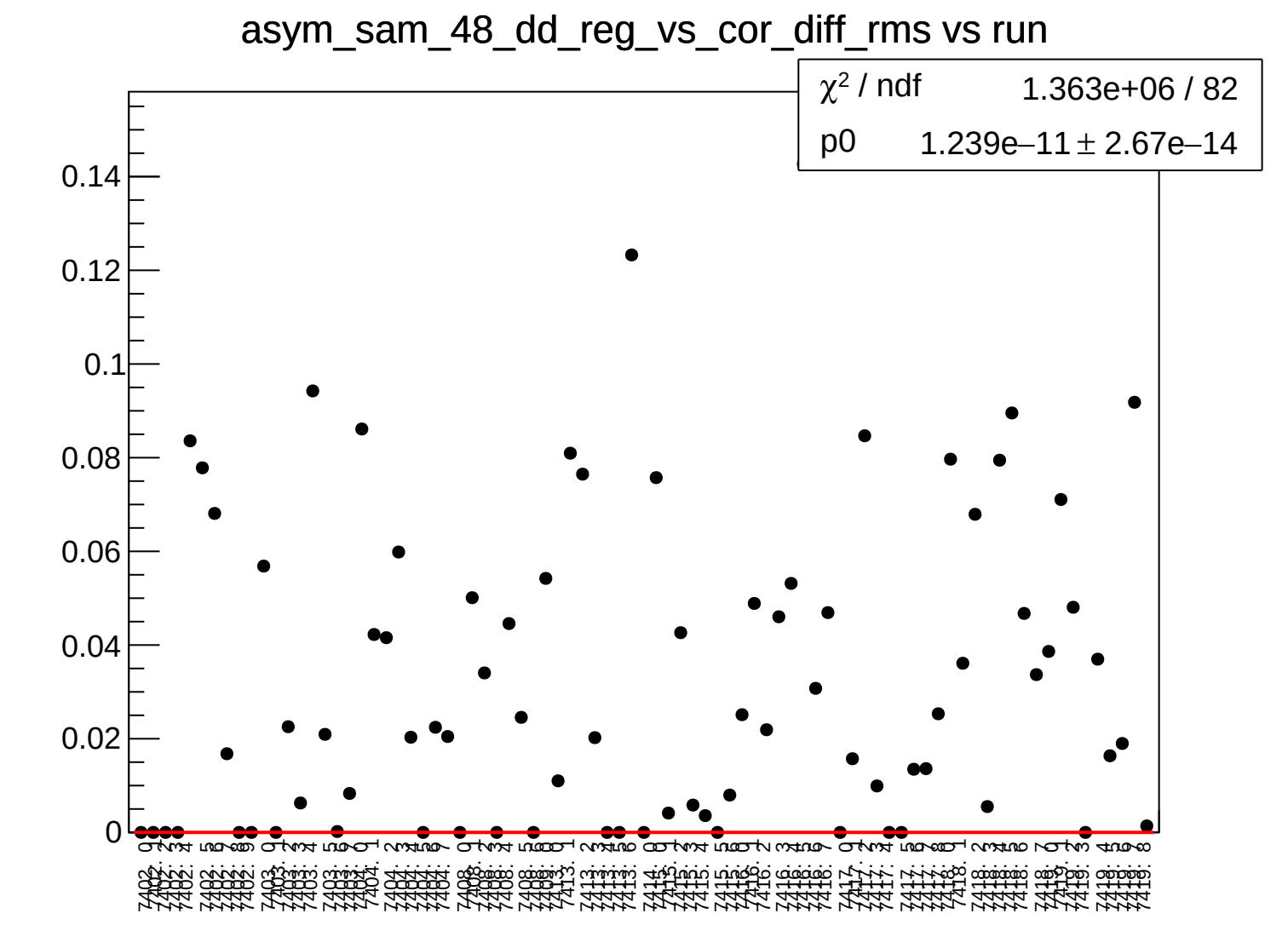

asym_sam_48_dd_mean vs run
χ² / ndf 74.88 / 82
p0 −24.7 ± 1061
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 100.2
Std Dev 0
2
1
0
−1
−2

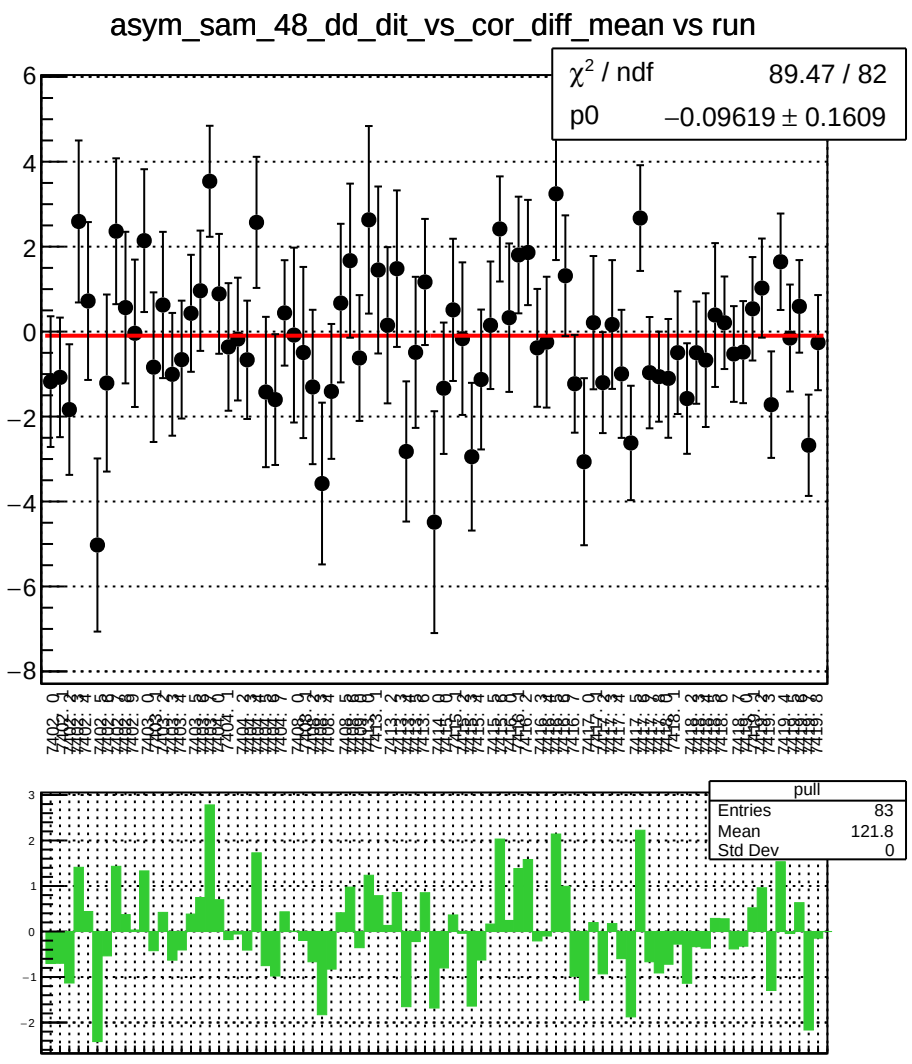

pull1D
Entries 83
Mean 0.01497
Std Dev 0.9497
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

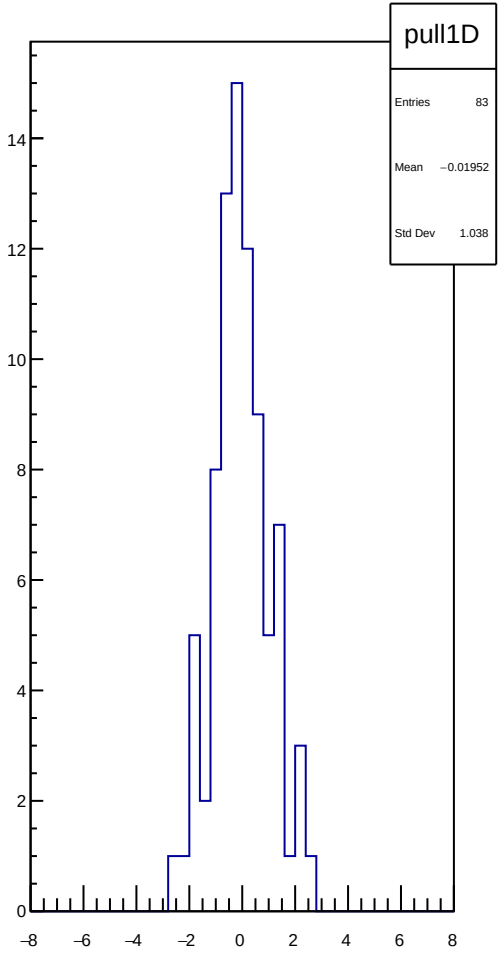

asym_sam_48_dd_rms vs run
χ² / ndf 8680 / 82
p0 940.3 ± 0.7504
1050
1000
950
900
850
800
750

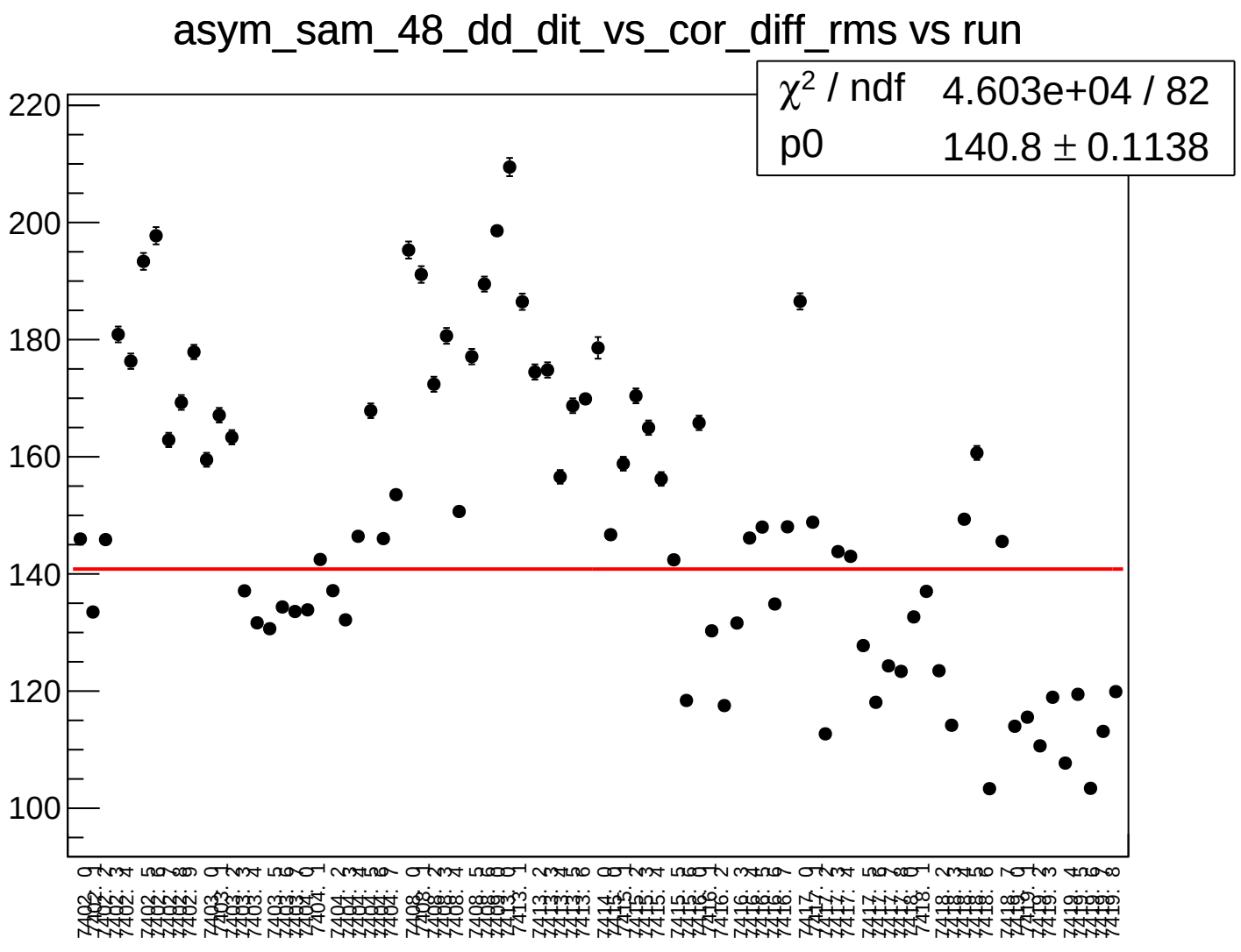

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 84.88 / 82
p0 −6.092e−14 ± 3.776e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 83
Mean −254.6
Std Dev 0
2
1
0
−1
−2
−3

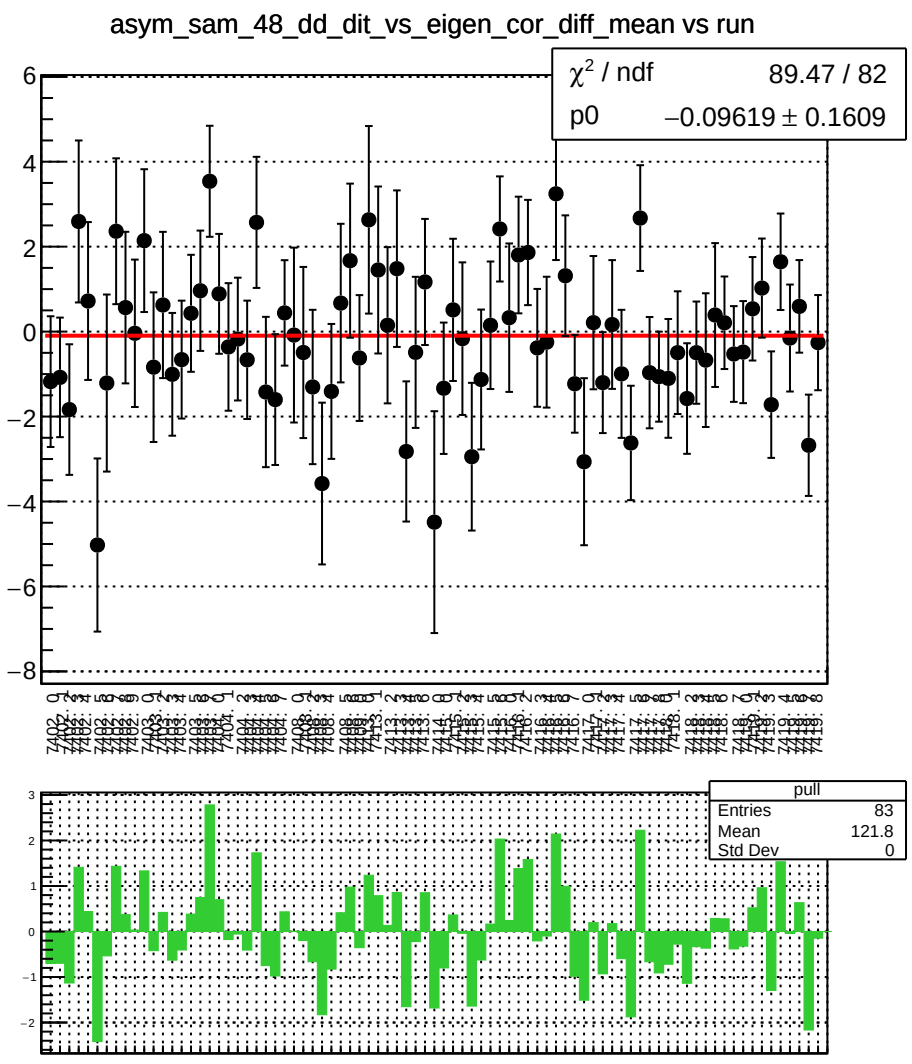

pull1D
Entries 83
Mean −0.02253
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

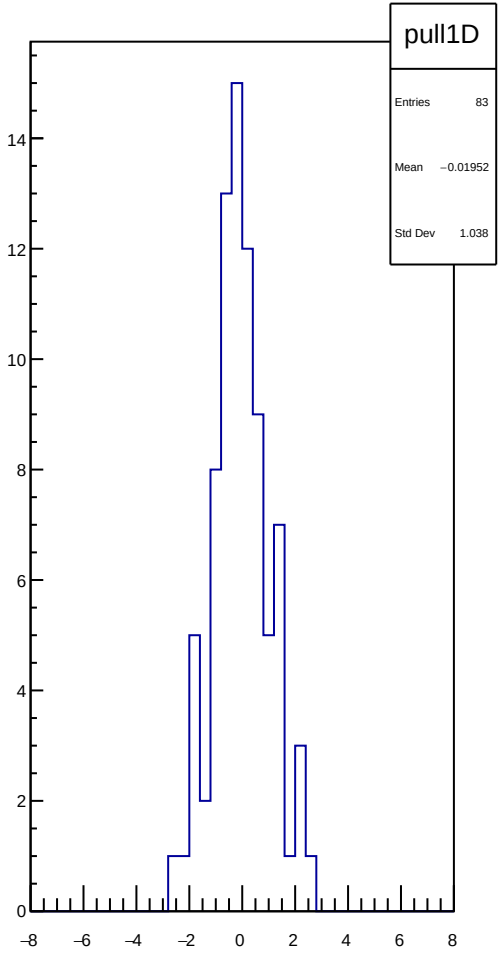

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.363e+06 / 82
p0 1.239e−11 ± 2.67e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

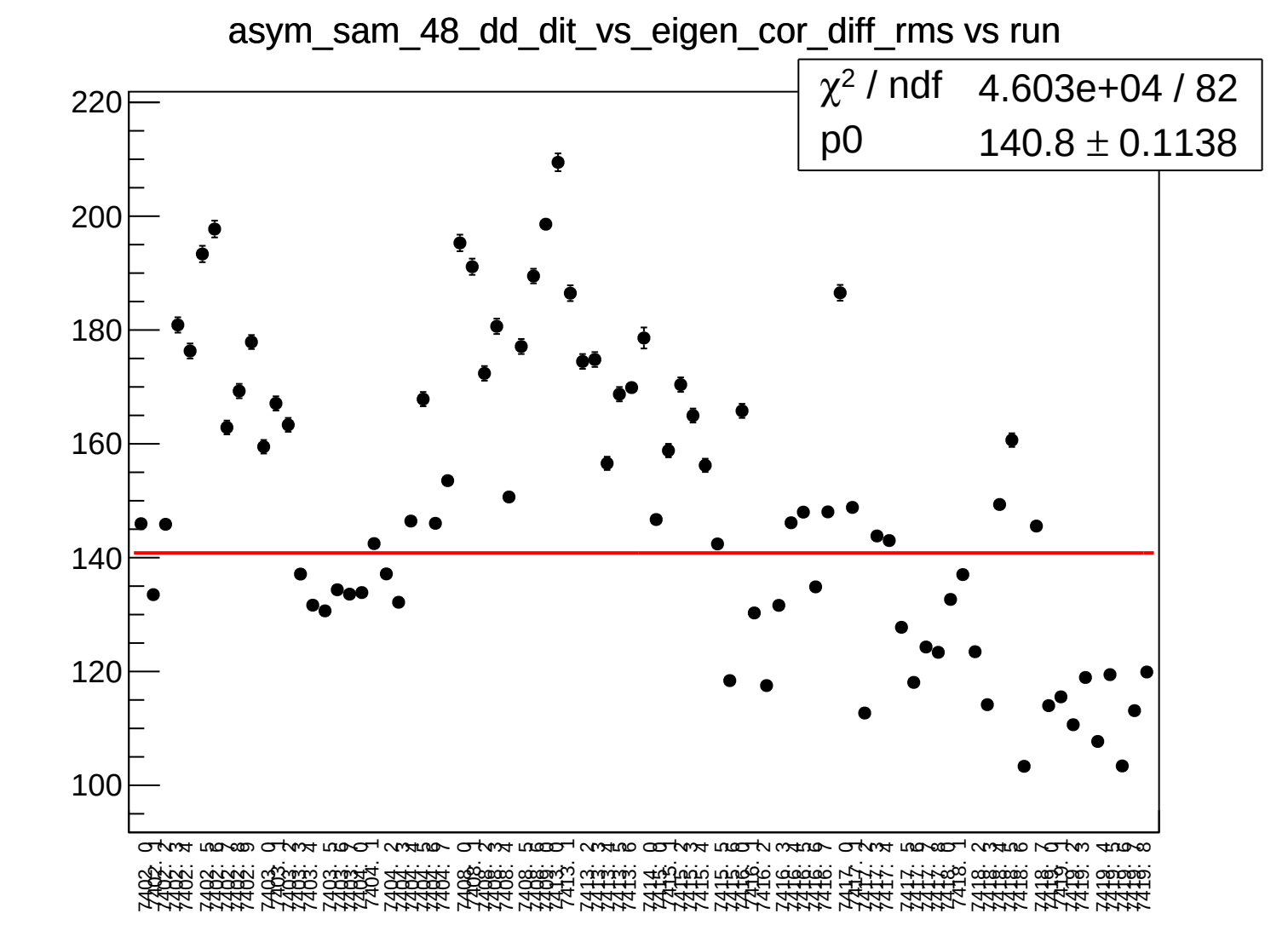

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 89.47 / 82
p0 −0.09619 ± 0.1609
pull
Entries 83
Mean 121.8
Std Dev 0

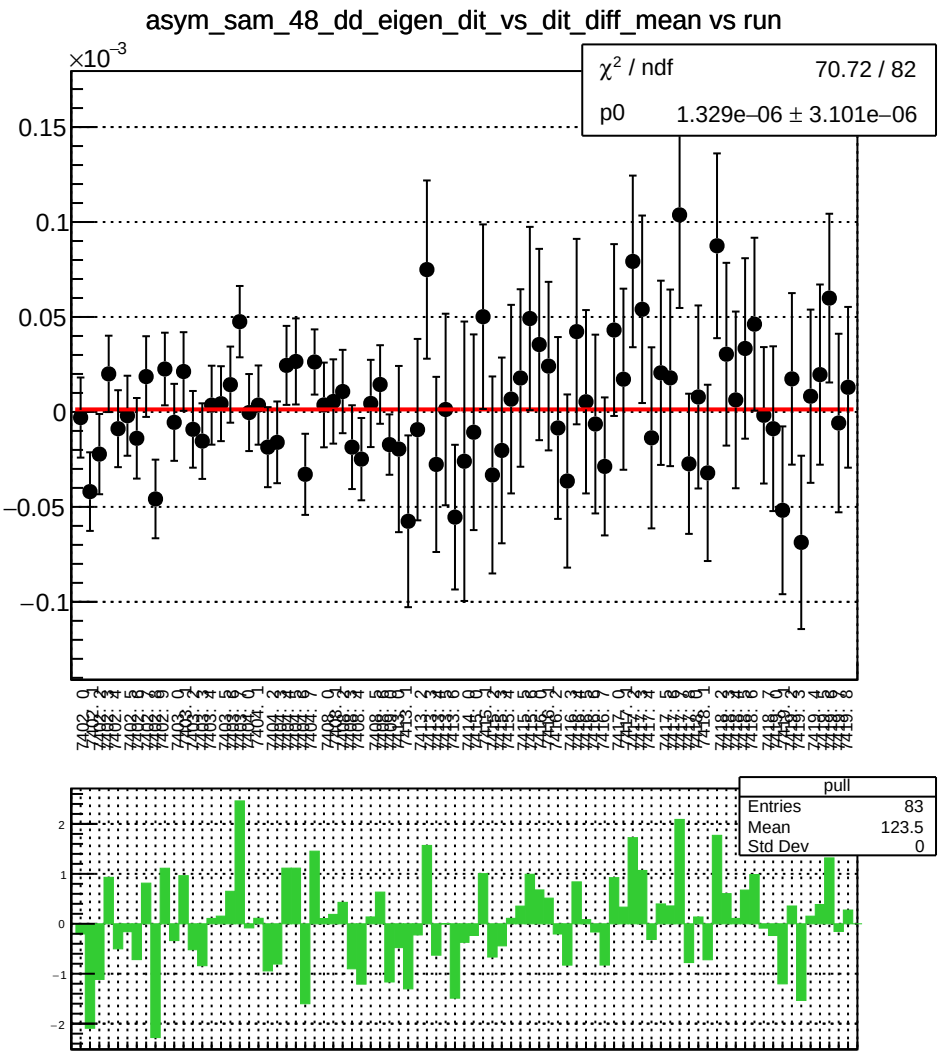

pull1D
Entries 83
Mean −0.01952
Std Dev 1.038

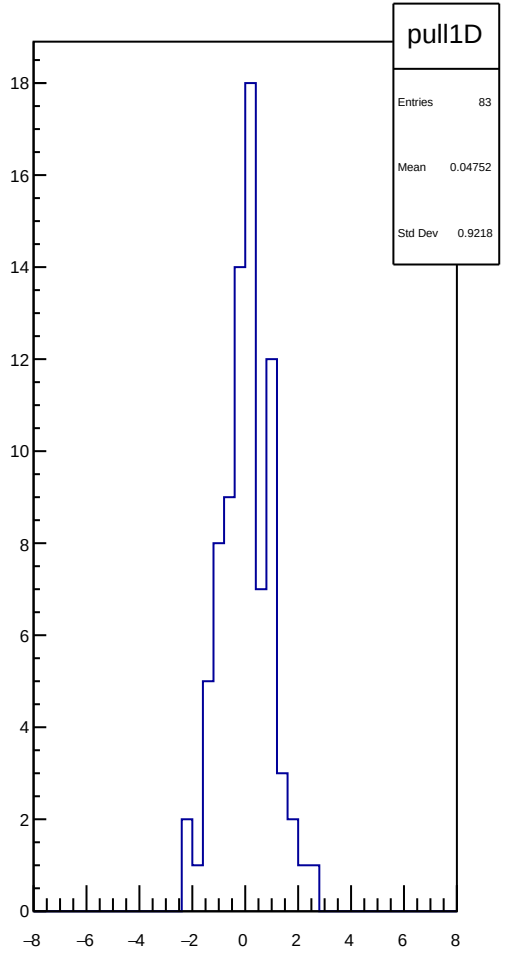

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.603e+04 / 82
p0 140.8 ± 0.1138
220
200
180
160
140
120
100

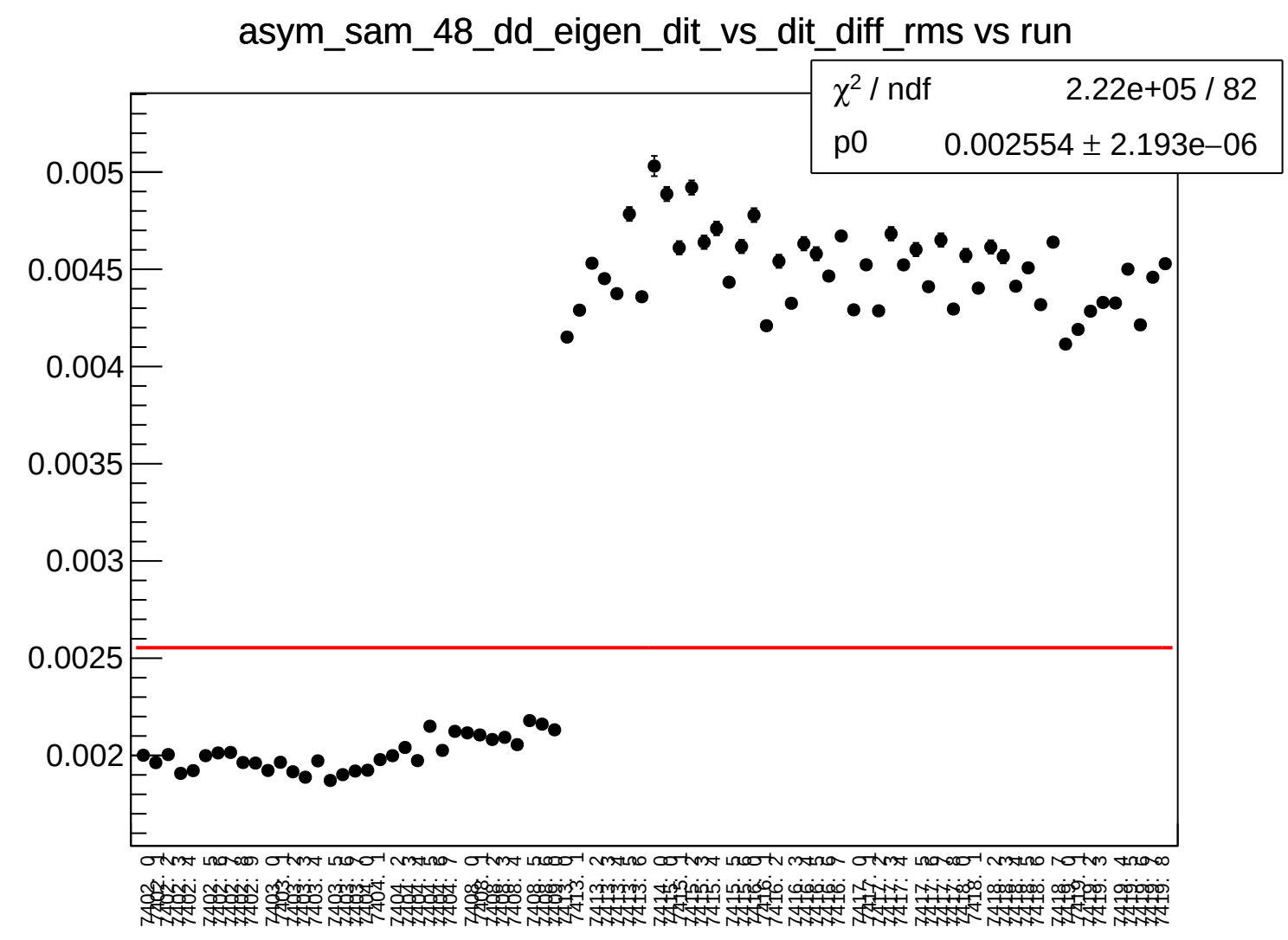

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.47 / 82
p0 −0.09619 ± 0.1609
pull
Entries 83
Mean 121.8
Std Dev 0

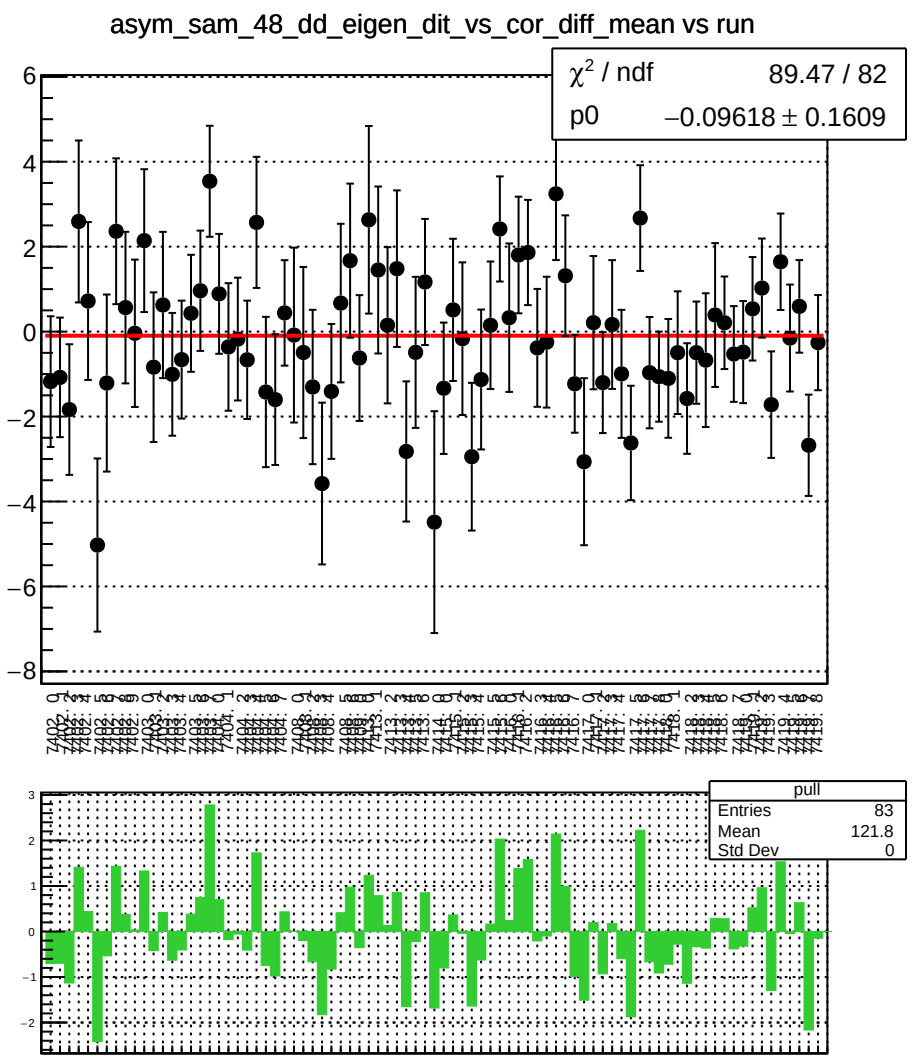

pull1D
Entries 83
Mean −0.01952
Std Dev 1.038

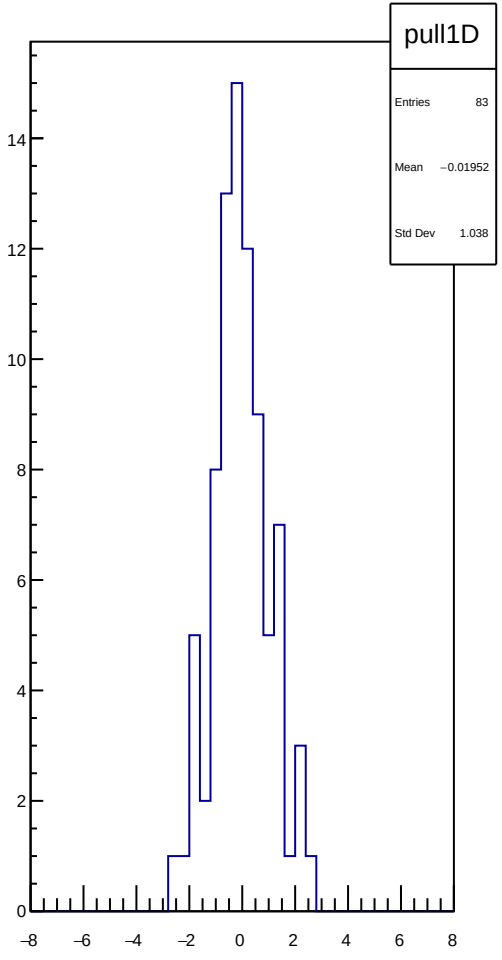

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.603e+04 / 82
p0 140.8 ± 0.1138
220
200
180
160
140
120
100

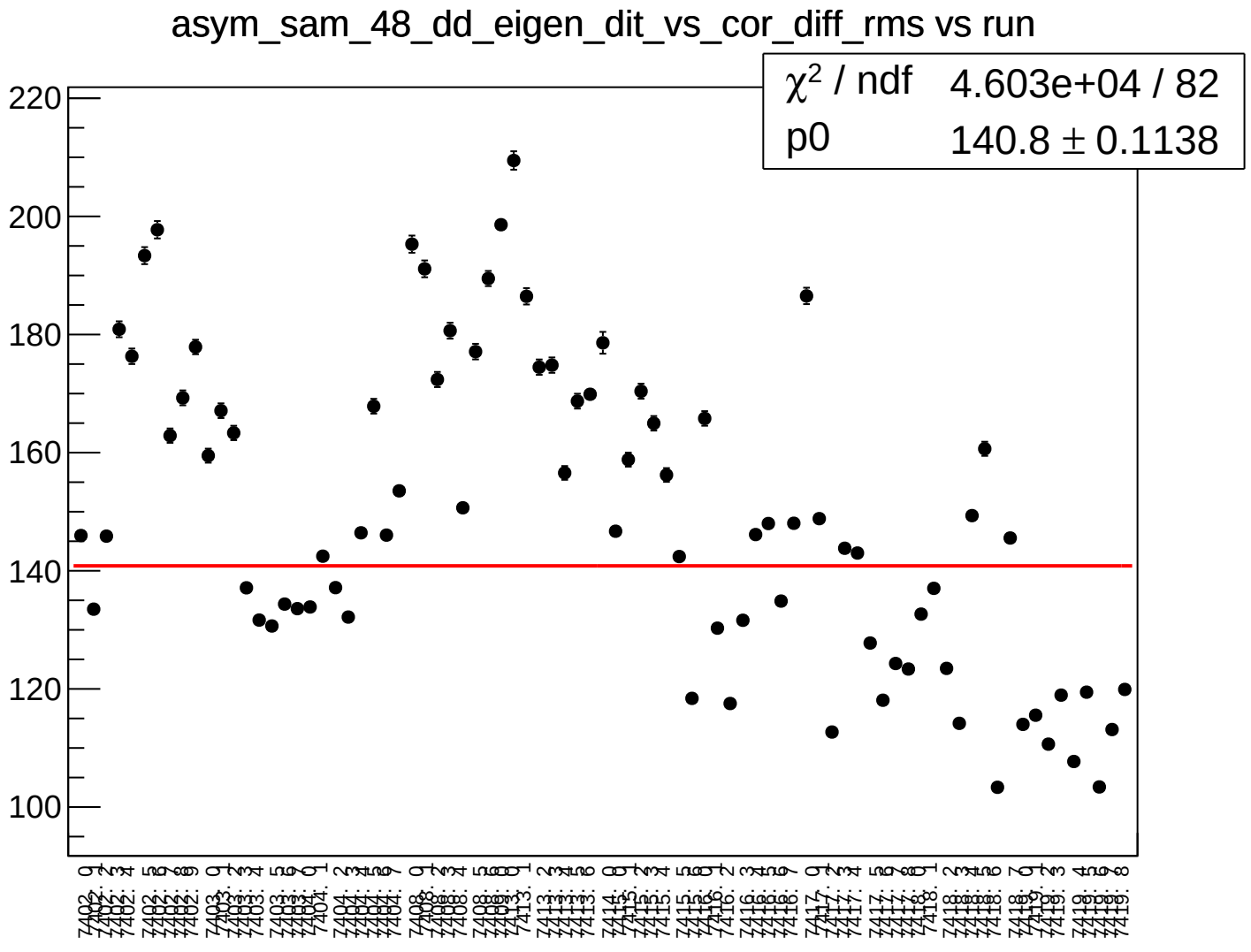

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.72 / 82
p0 1.329e−06 ± 3.101e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 123.5
Std Dev 0
2
1
0
−1
−2

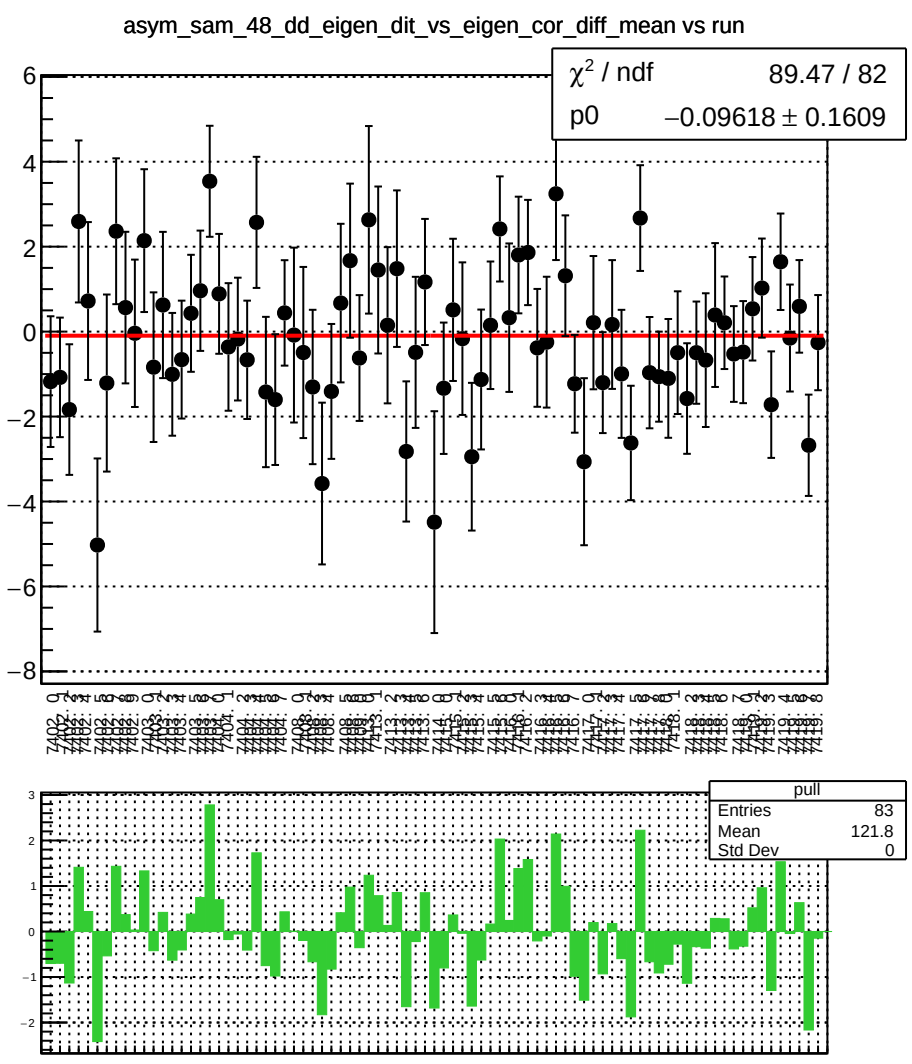

pull1D
Entries 83
Mean 0.04752
Std Dev 0.9218
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

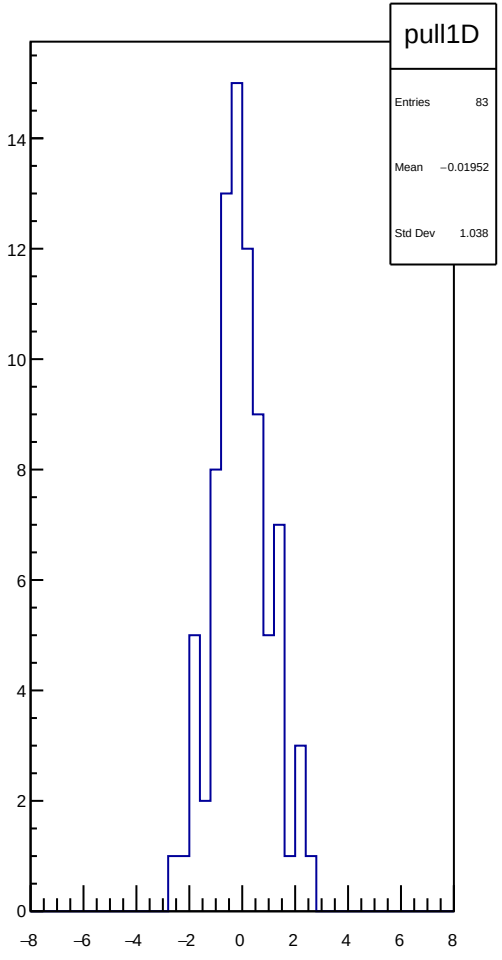

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.22e+05 / 82
p0 0.002554 ± 2.193e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

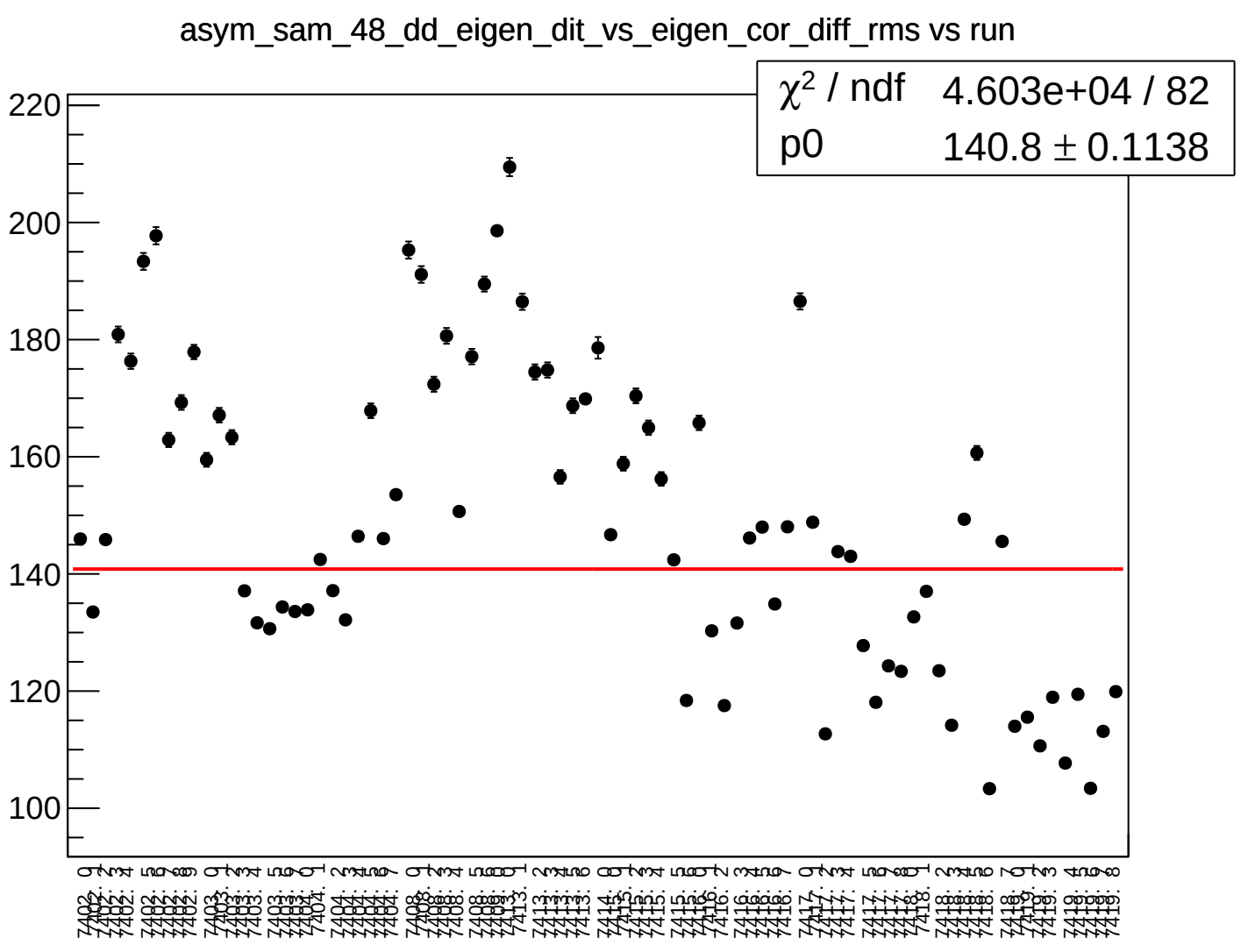

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.47 / 82
p0 −0.09618 ± 0.1609
pull
Entries 83
Mean 121.8
Std Dev 0

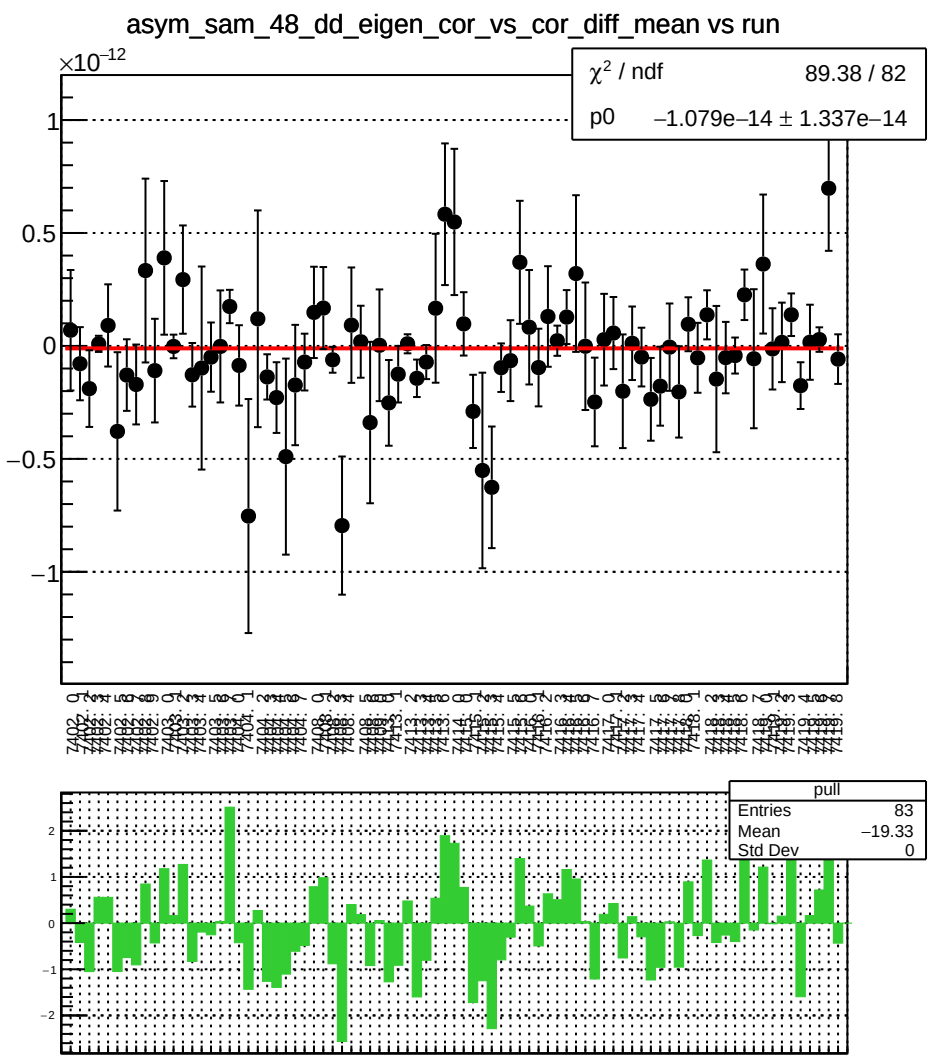

pull1D
Entries 83
Mean −0.01952
Std Dev 1.038

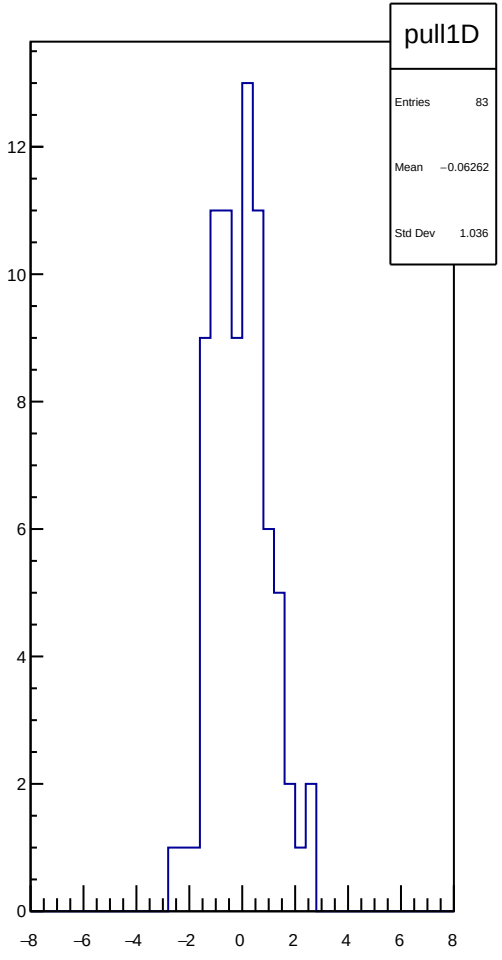

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.603e+04 / 82
p0 140.8 ± 0.1138
220
200
180
160
140
120
100

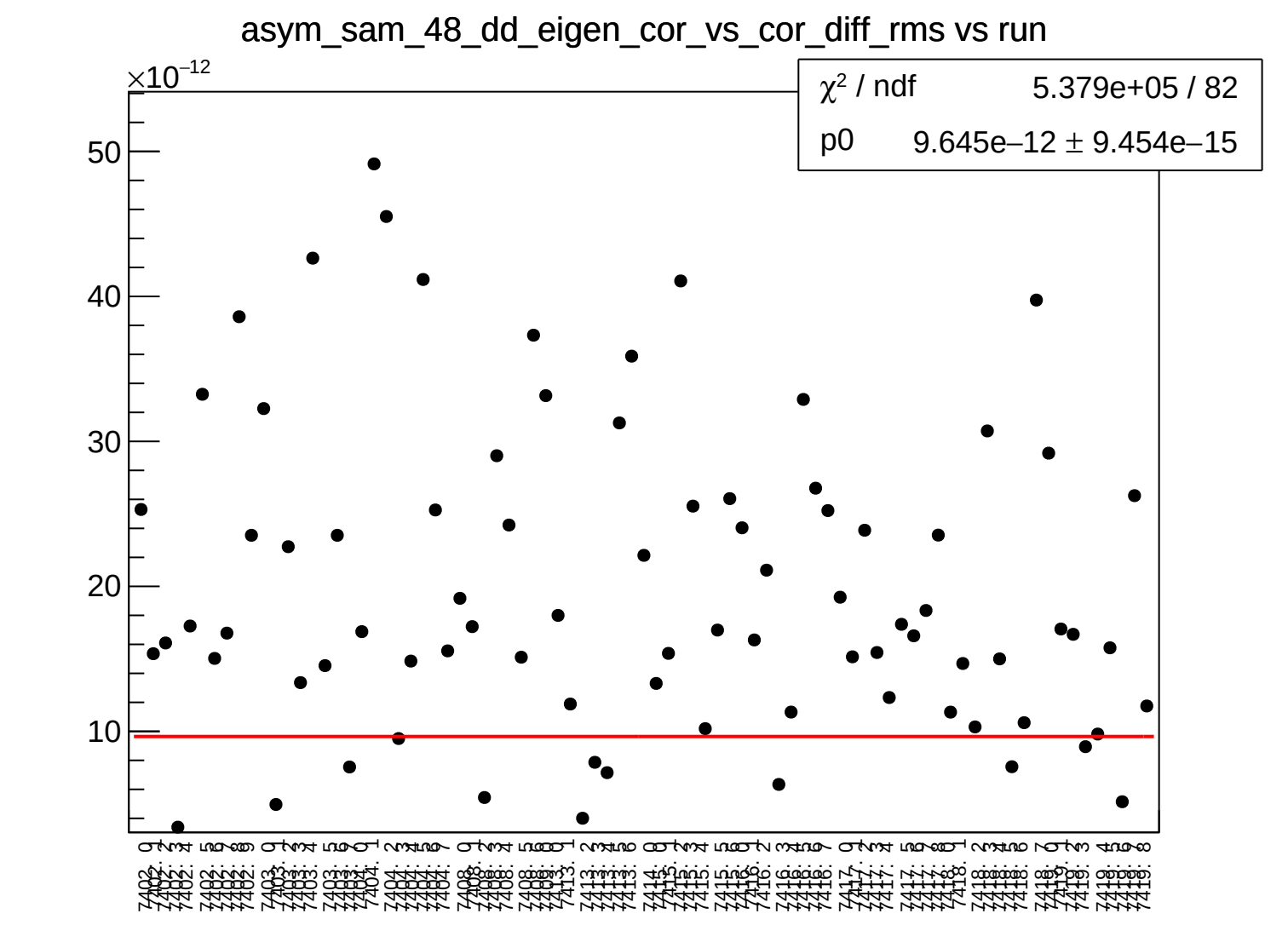

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.47 / 82
p0 −0.09618 ± 0.1609
pull
Entries 83
Mean 121.8
Std Dev 0

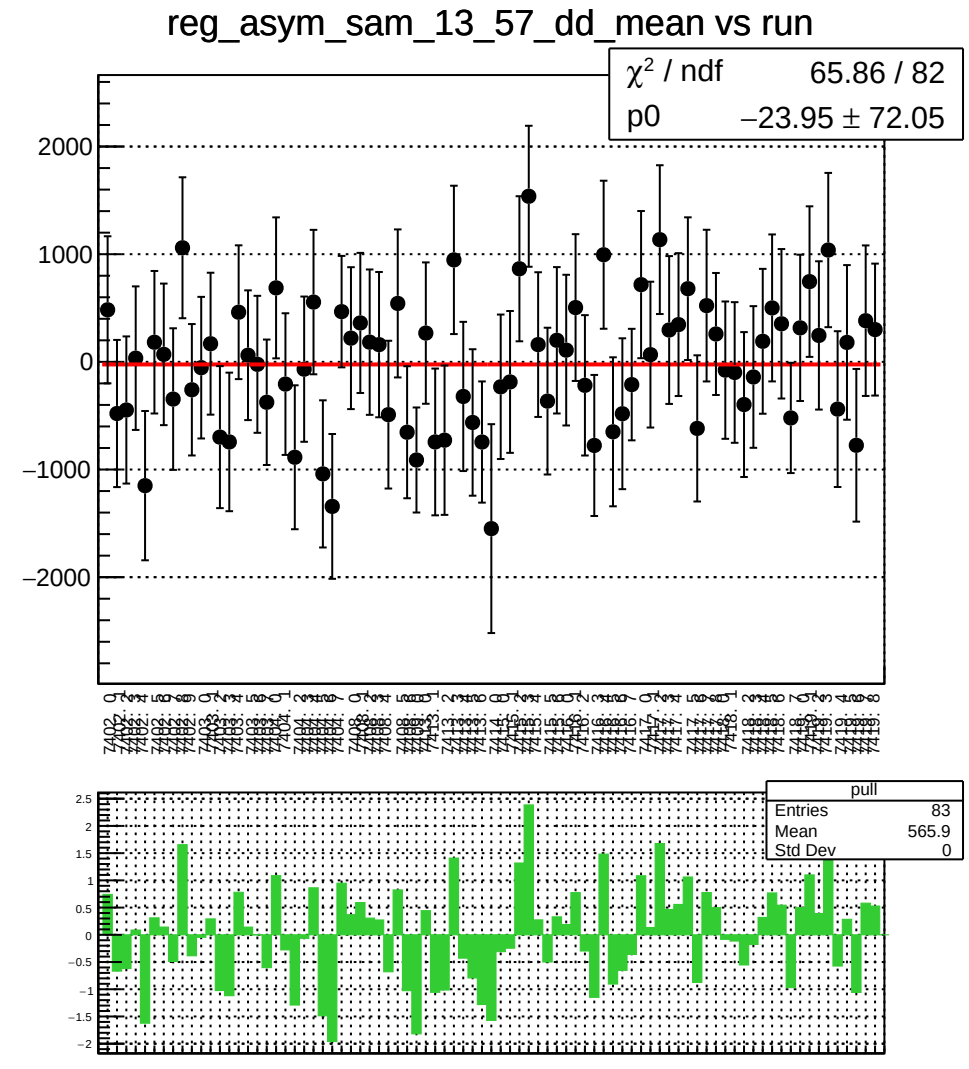

pull1D
Entries 83
Mean −0.01952
Std Dev 1.038

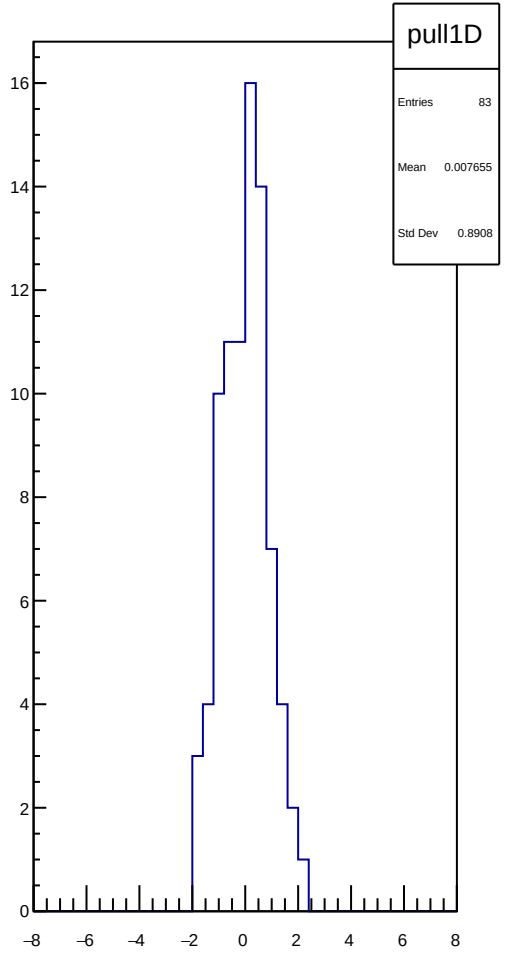

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.603e+04 / 82
p0 140.8 ± 0.1138
220
200
180
160
140
120
100

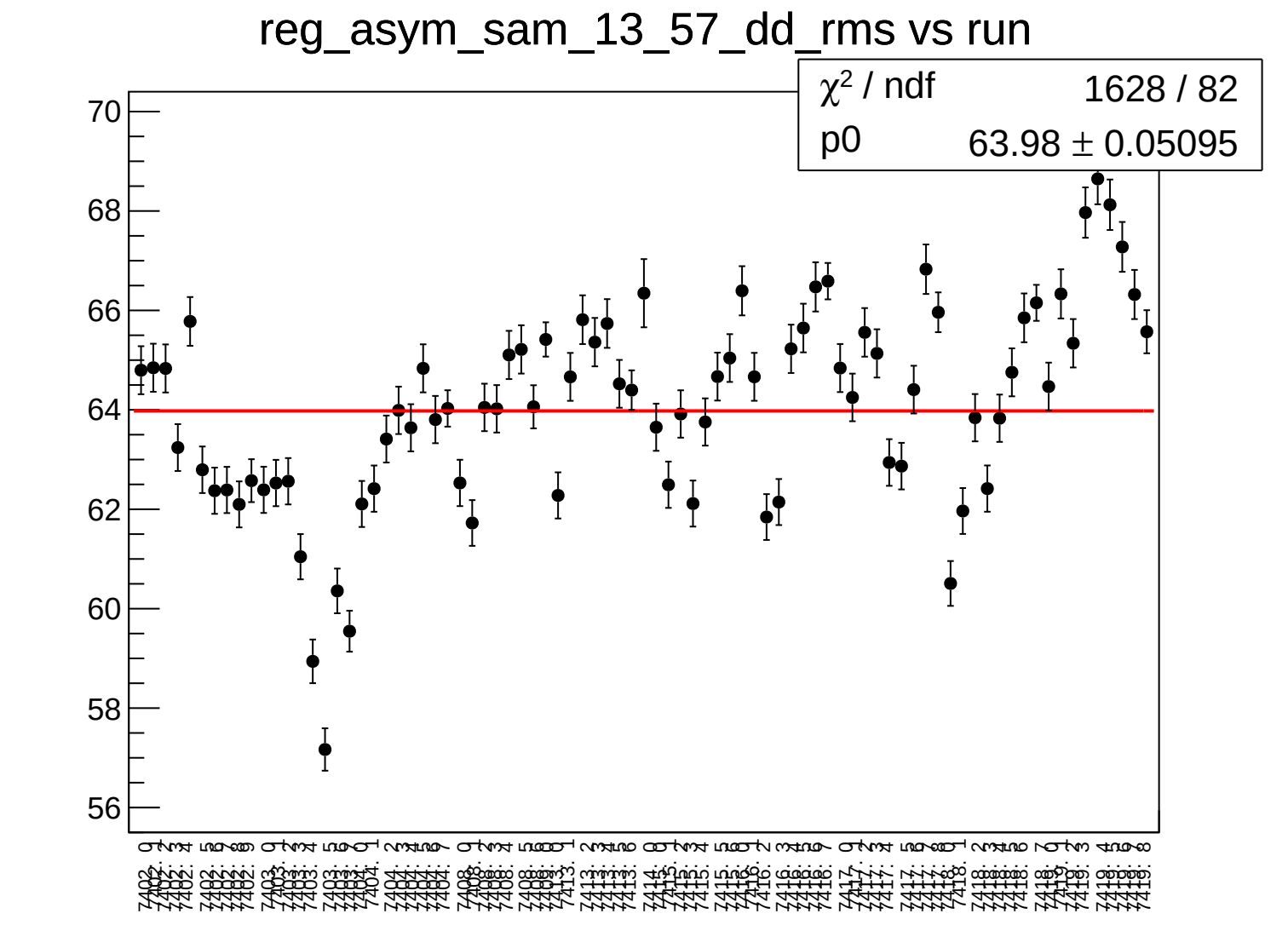

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.38 / 82
p0 −1.079e−14 ± 1.337e−14
pull
Entries 83
Mean −19.33
Std Dev 0

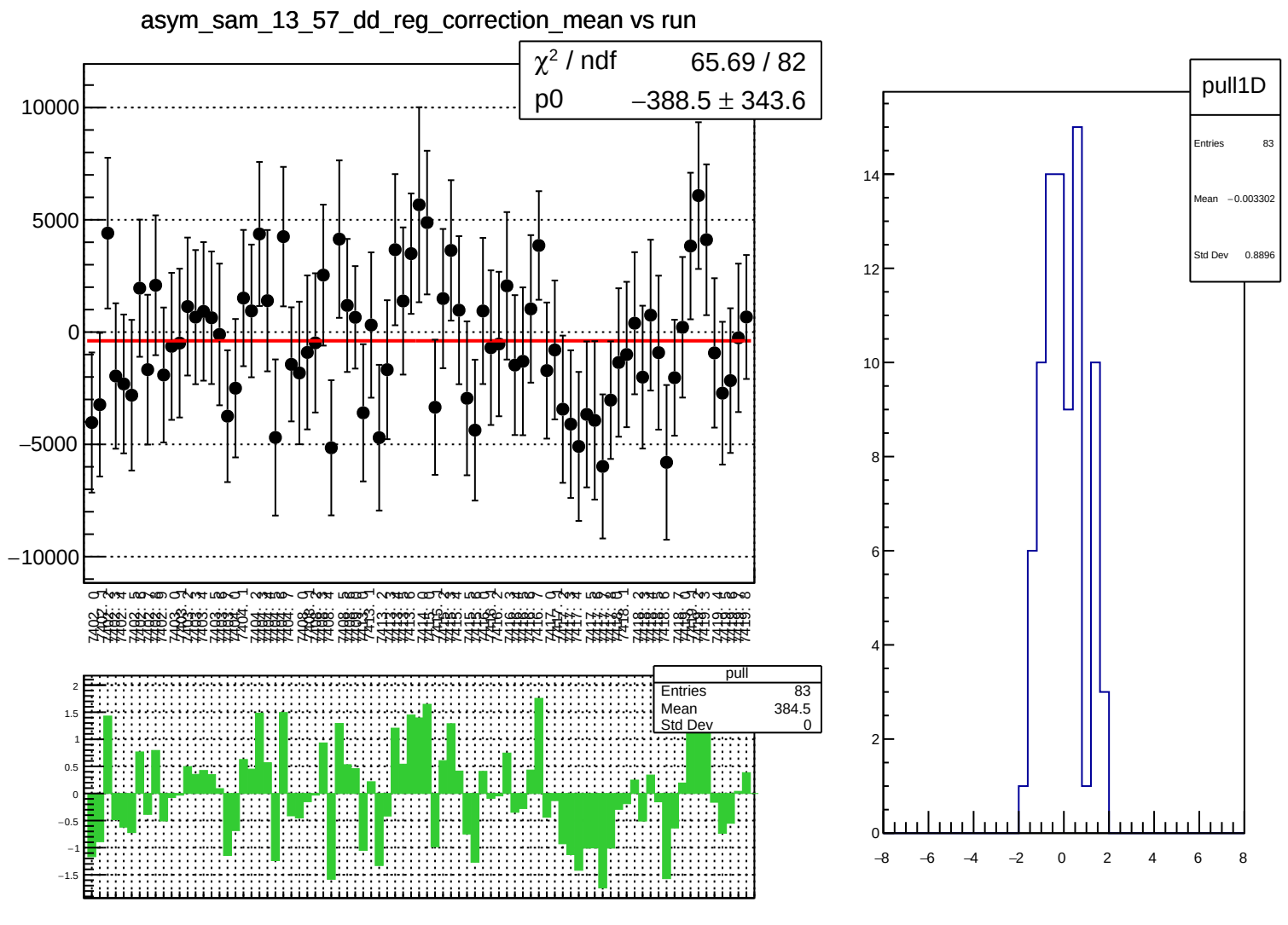

pull1D
Entries 83
Mean −0.06262
Std Dev 1.036

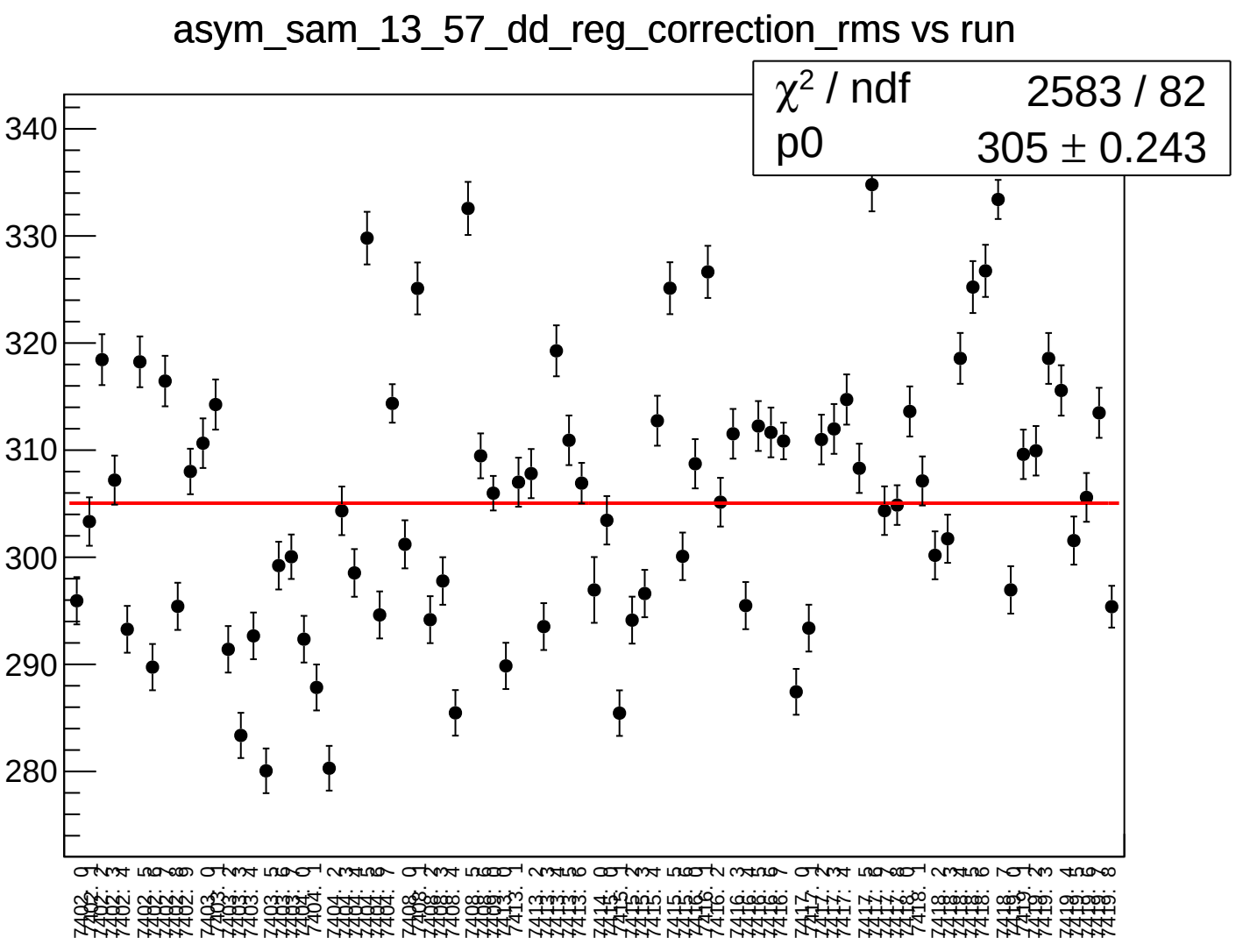

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.379e+05 / 82
p0 9.645e−12 ± 9.454e−15
50
40
30
20
10

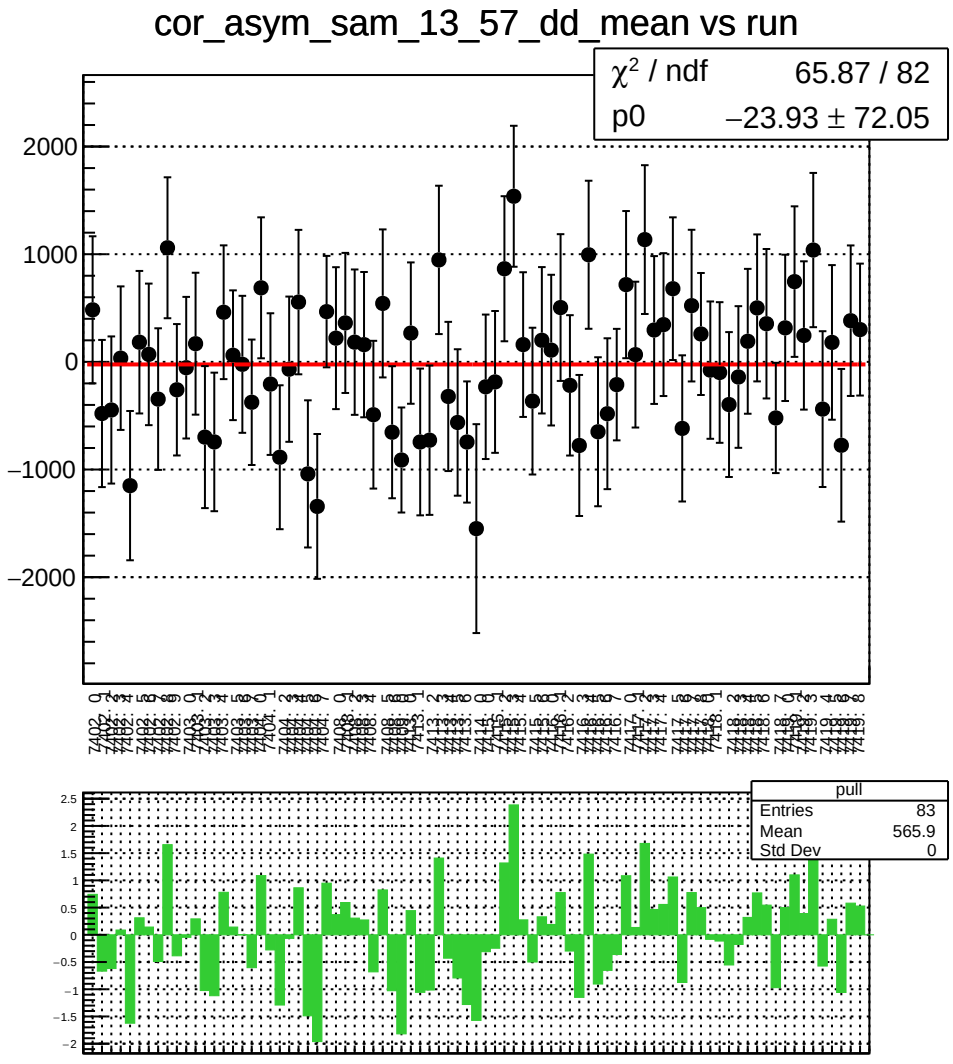

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.86 / 82
p0 −23.95 ± 72.05
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 565.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

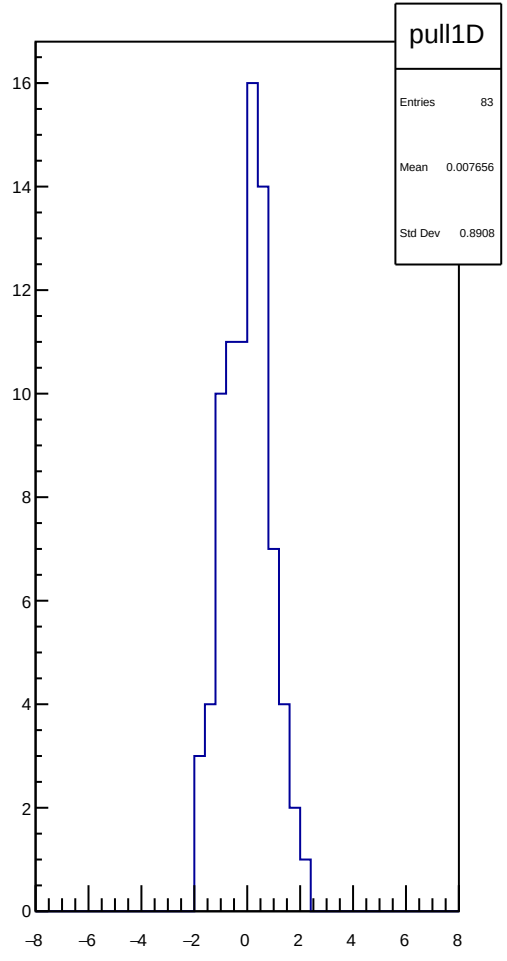

pull1D
Entries 83
Mean 0.007655
Std Dev 0.8908
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

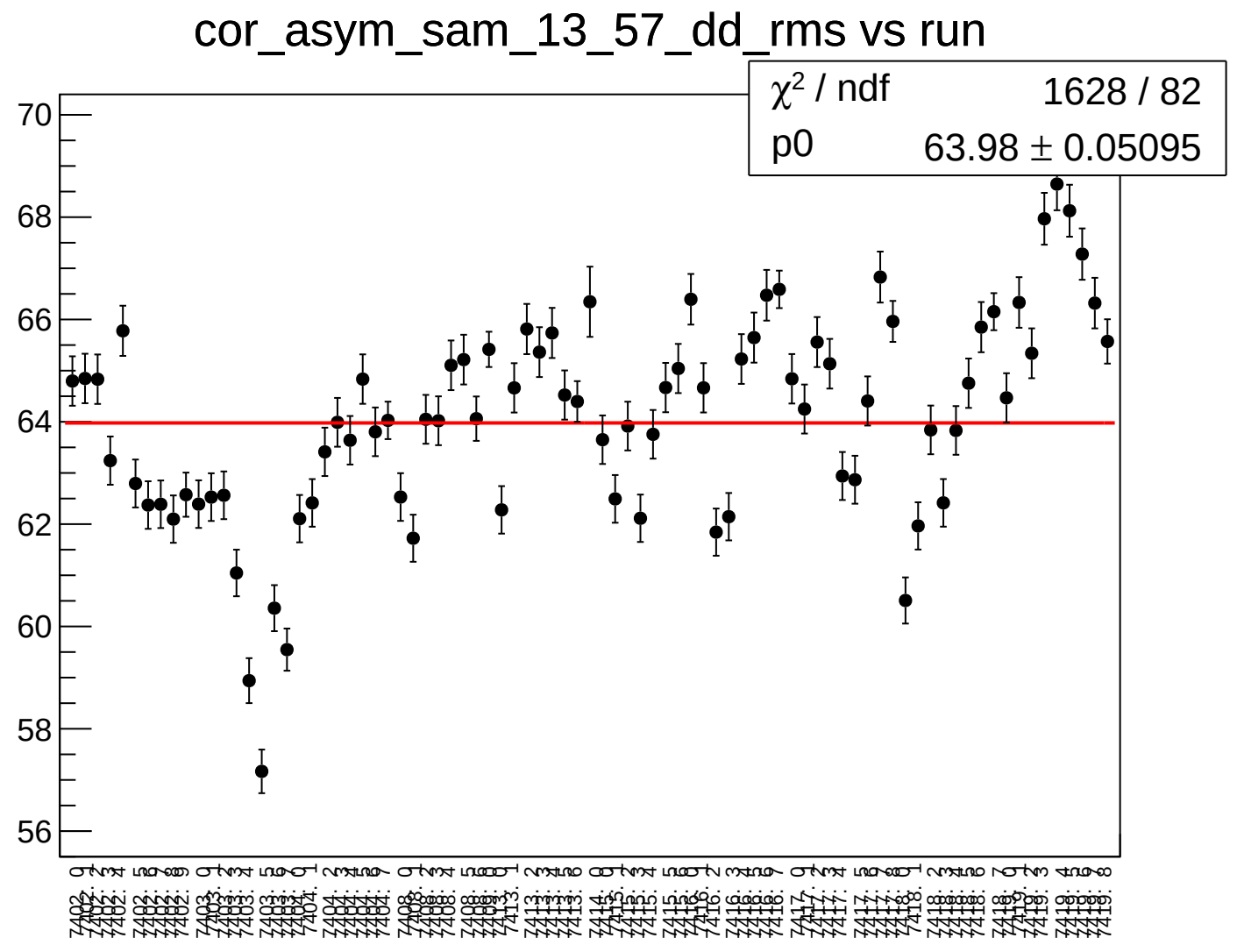

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1628 / 82
p0 63.98 ± 0.05095
70
68
66
64
62
60
58
56

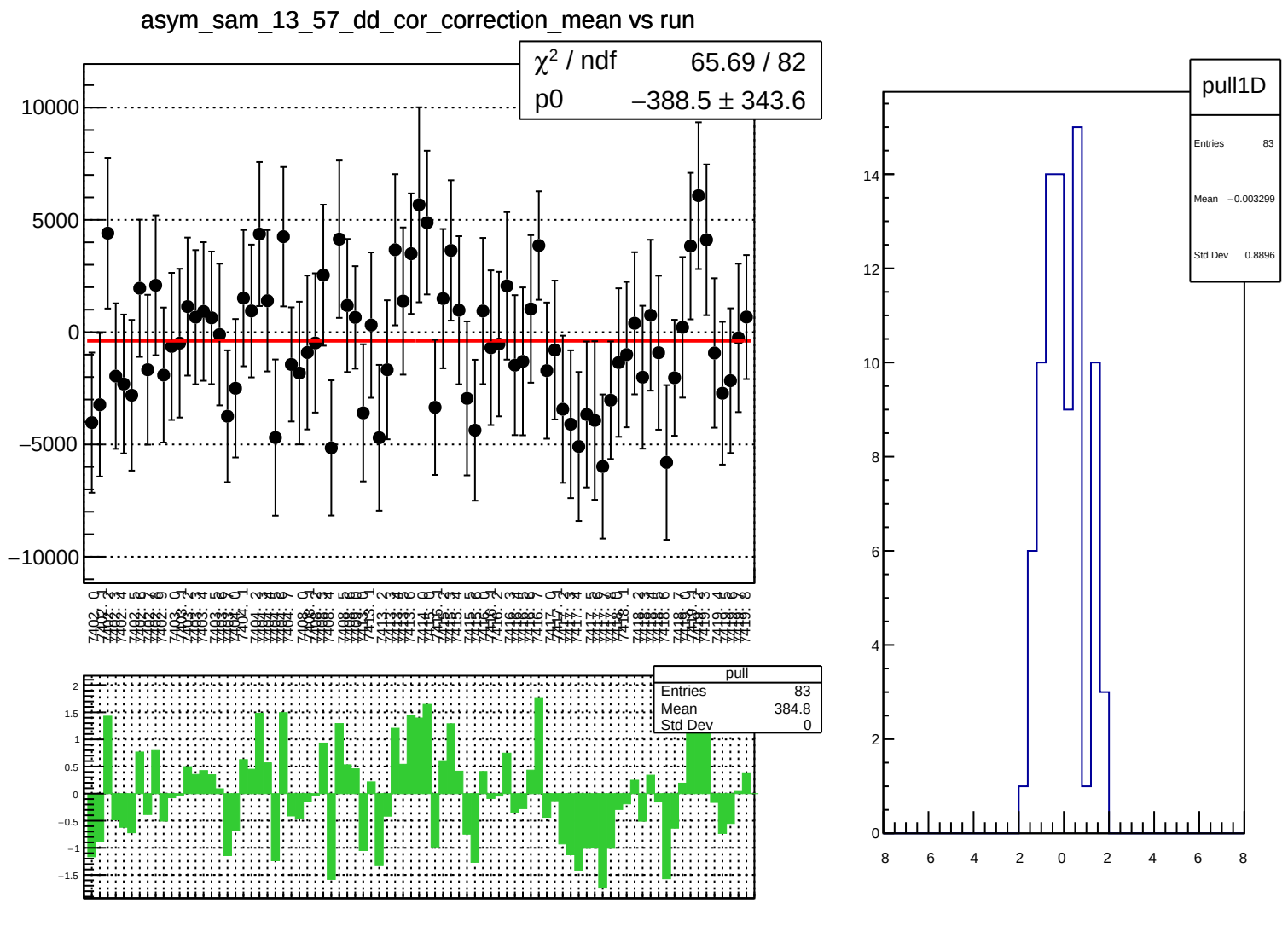

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 65.69 / 82
p0 −388.5 ± 343.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 384.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.003302
Std Dev 0.8896
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

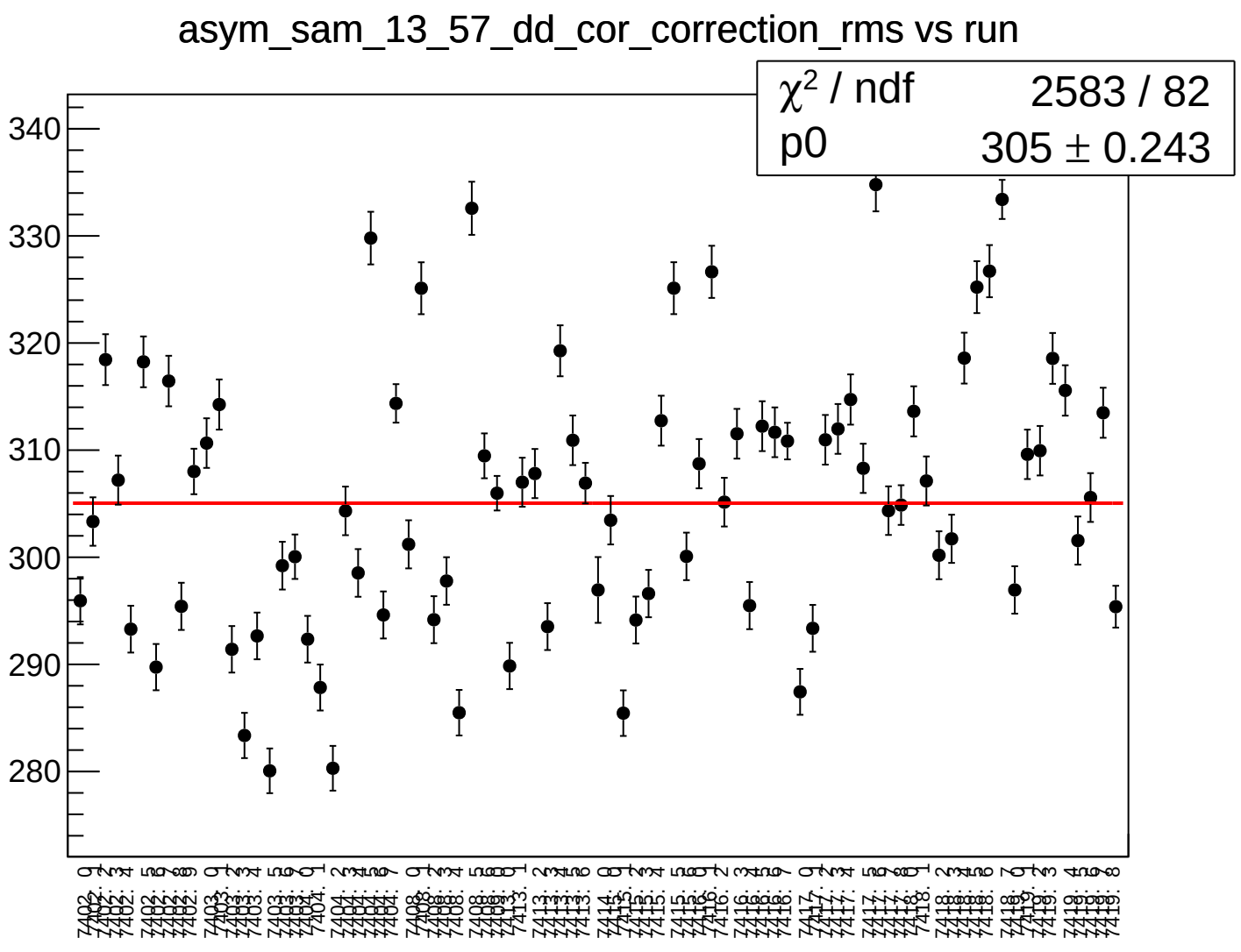

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 2583 / 82
p0 305 ± 0.243
340
330
320
310
300
290
280

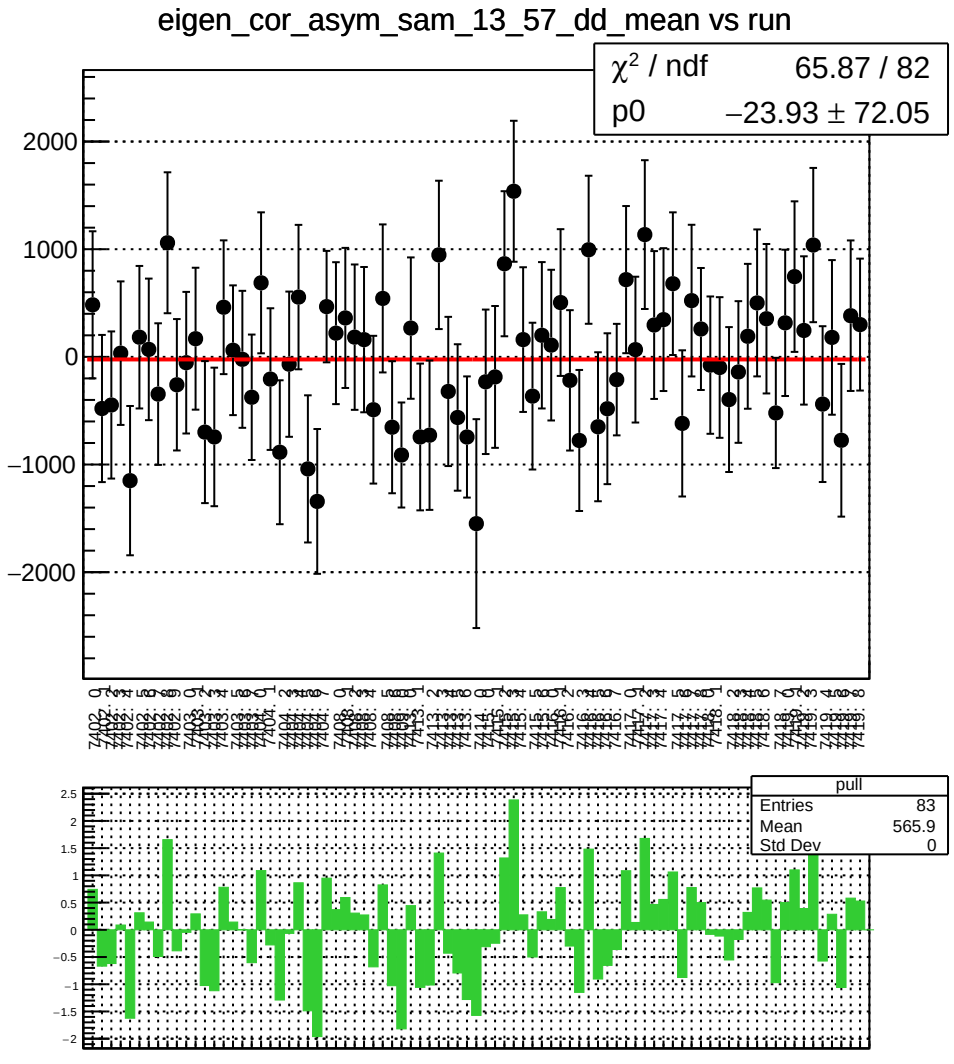

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.87 / 82
p0 −23.93 ± 72.05
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 565.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

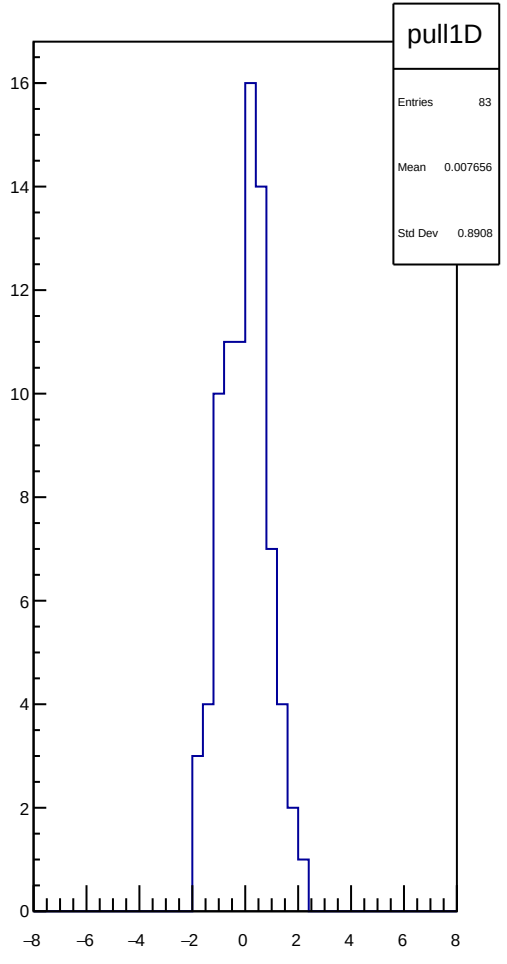

pull1D
Entries 83
Mean 0.007656
Std Dev 0.8908
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

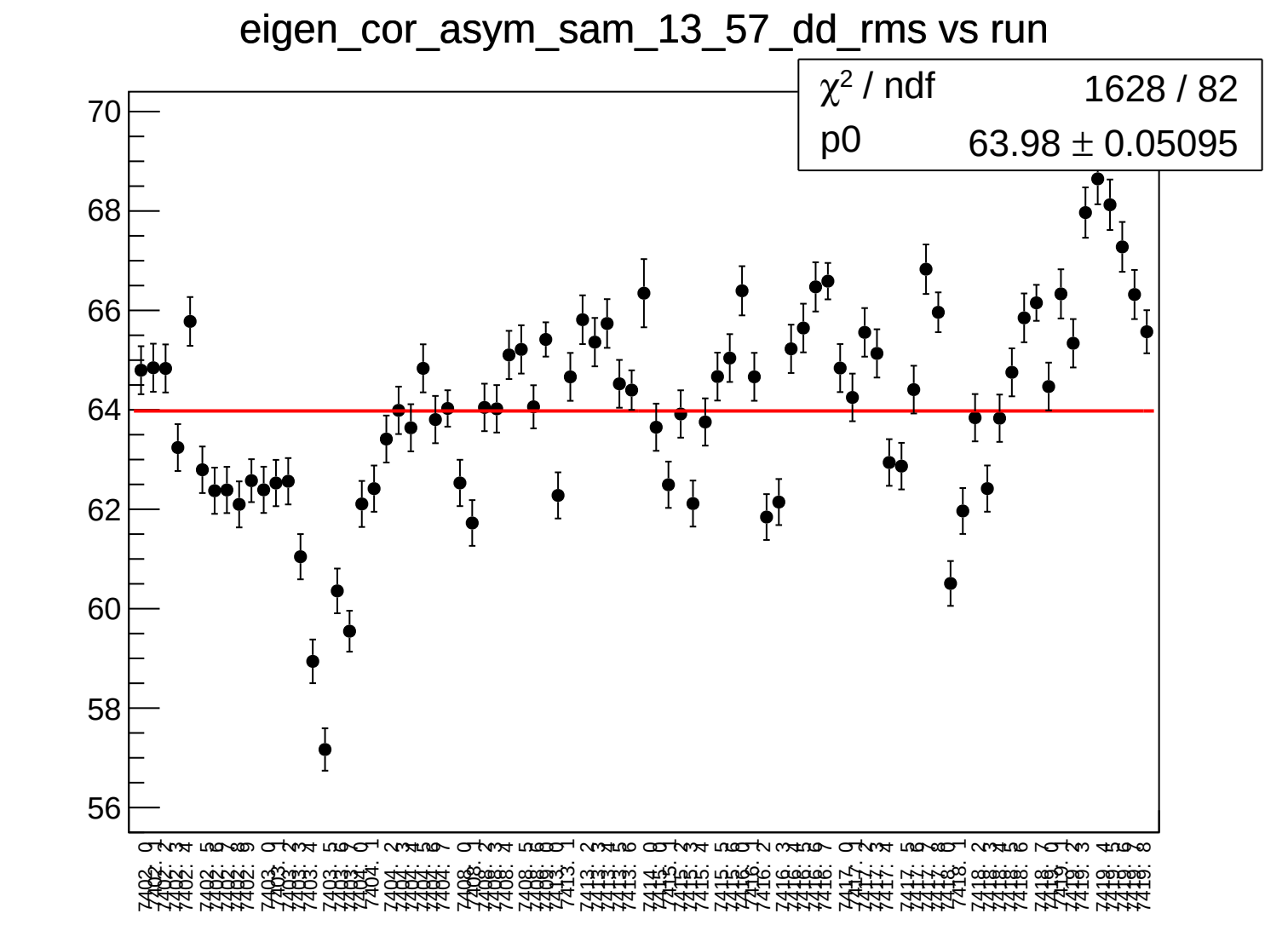

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1628 / 82
p0 63.98 ± 0.05095
70
68
66
64
62
60
58
56

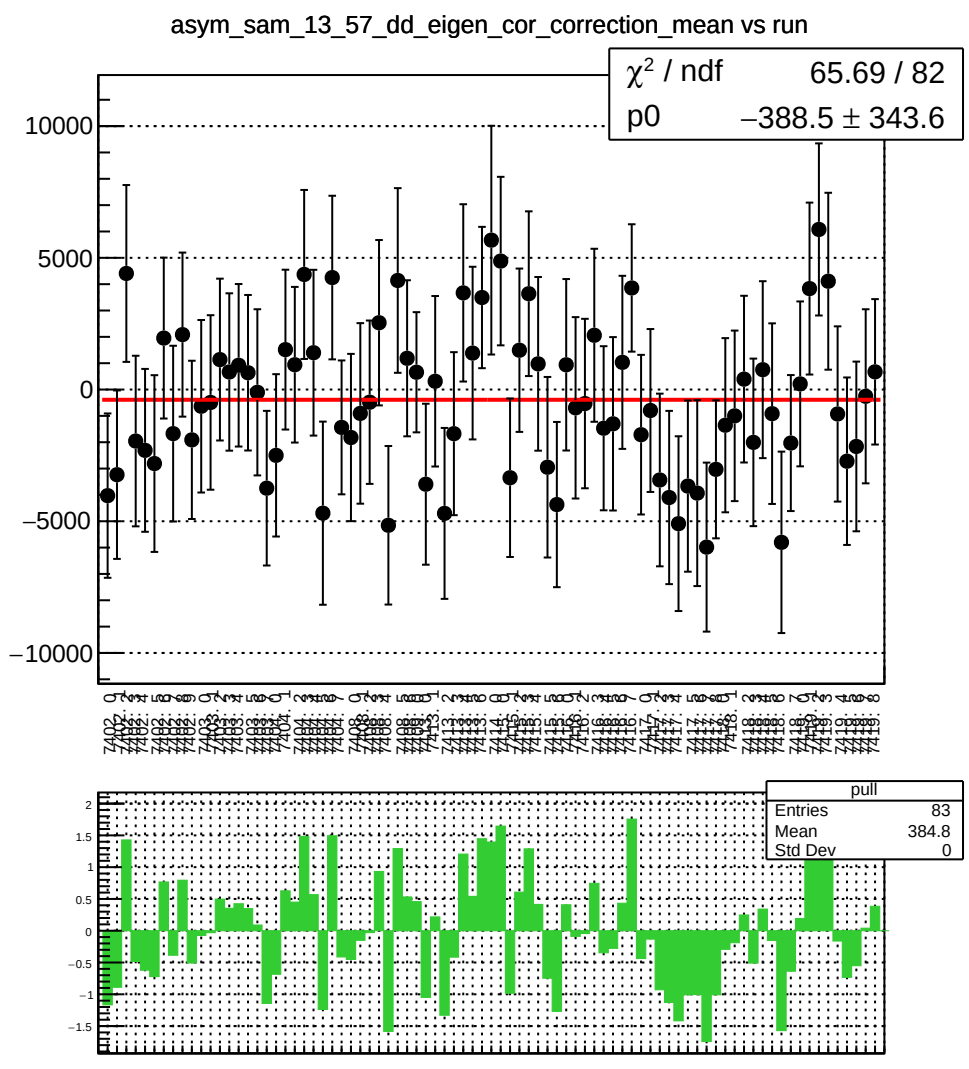

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 65.69 / 82
p0 −388.5 ± 343.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 384.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.003299
Std Dev 0.8896
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

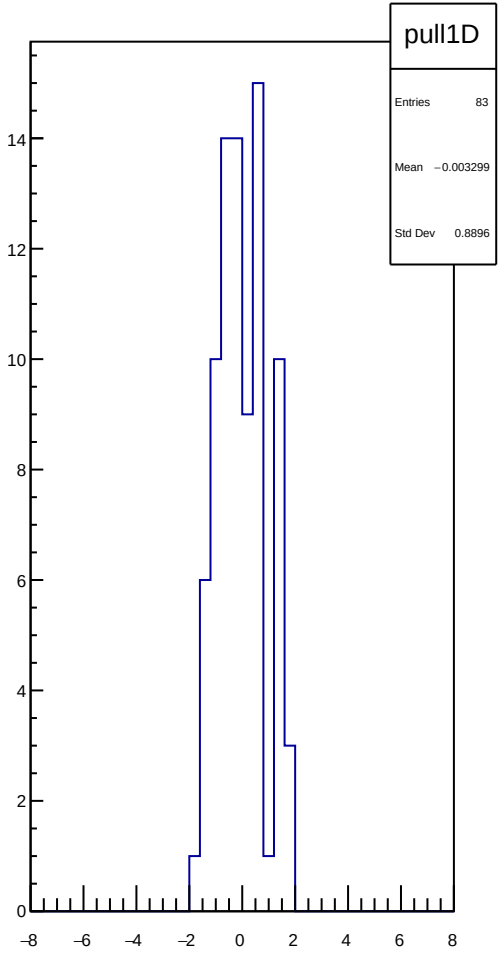

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 2583 / 82
p0 305 ± 0.243
340
330
320
310
300
290
280

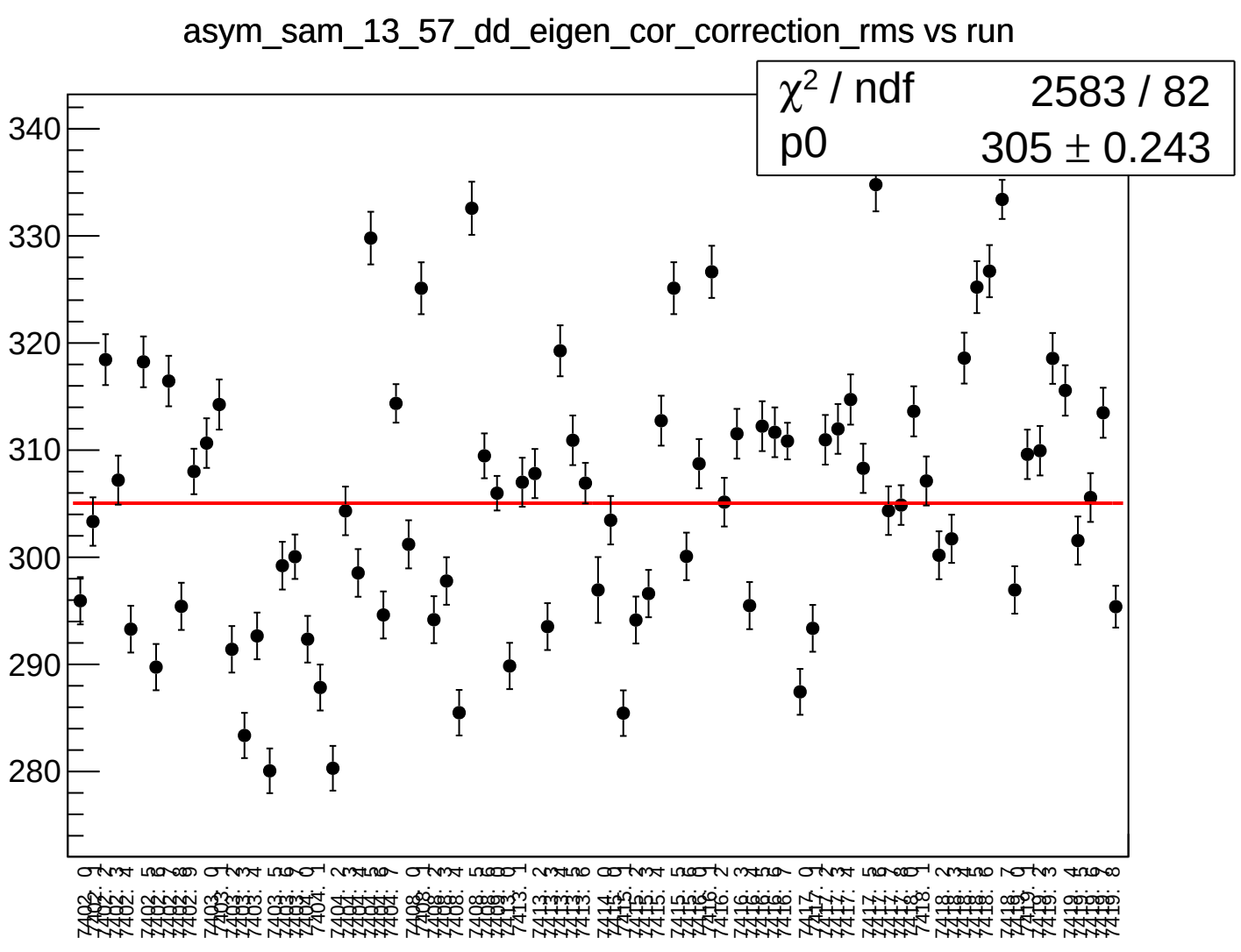

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 65.87 / 82
p0 −23.93 ± 72.05
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 565.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

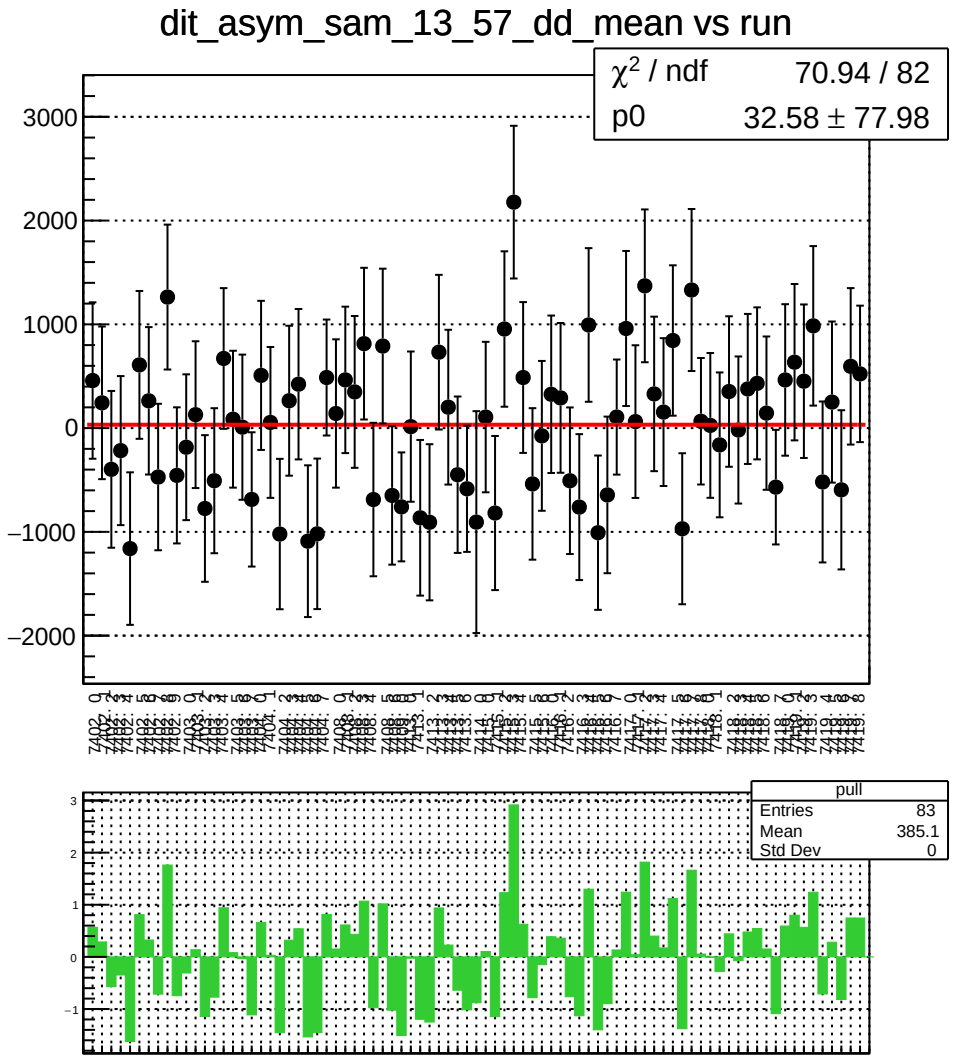

pull1D
Entries 83
Mean 0.007656
Std Dev 0.8908
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

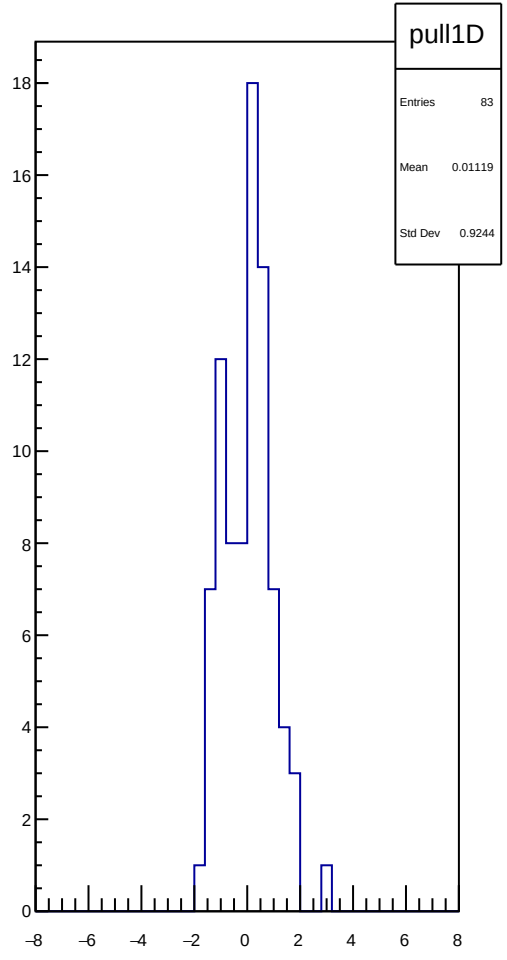

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1628 / 82
p0 63.98 ± 0.05095
70
68
66
64
62
60
58
56

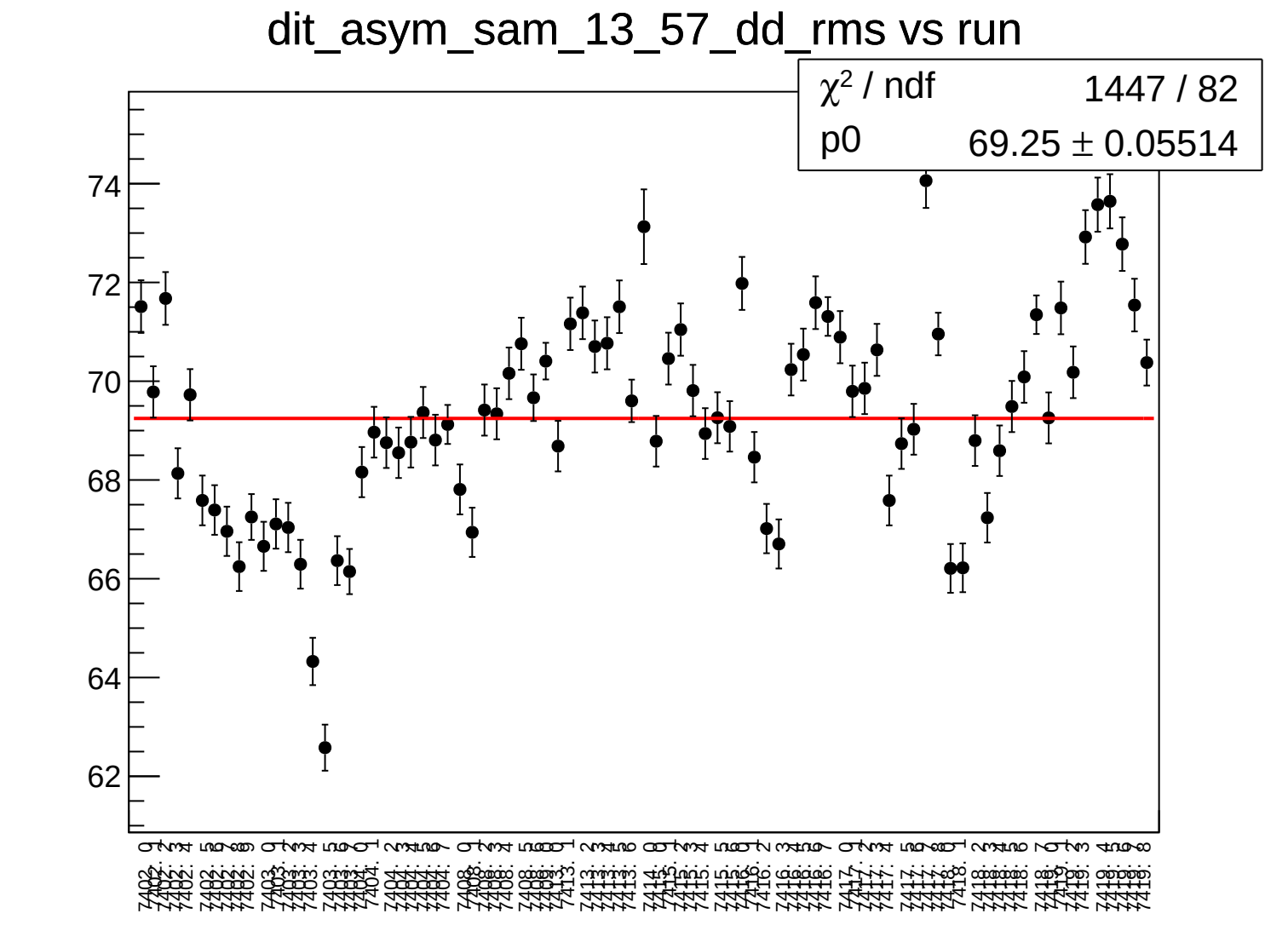

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 65.69 / 82
p0 −388.5 ± 343.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 384.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

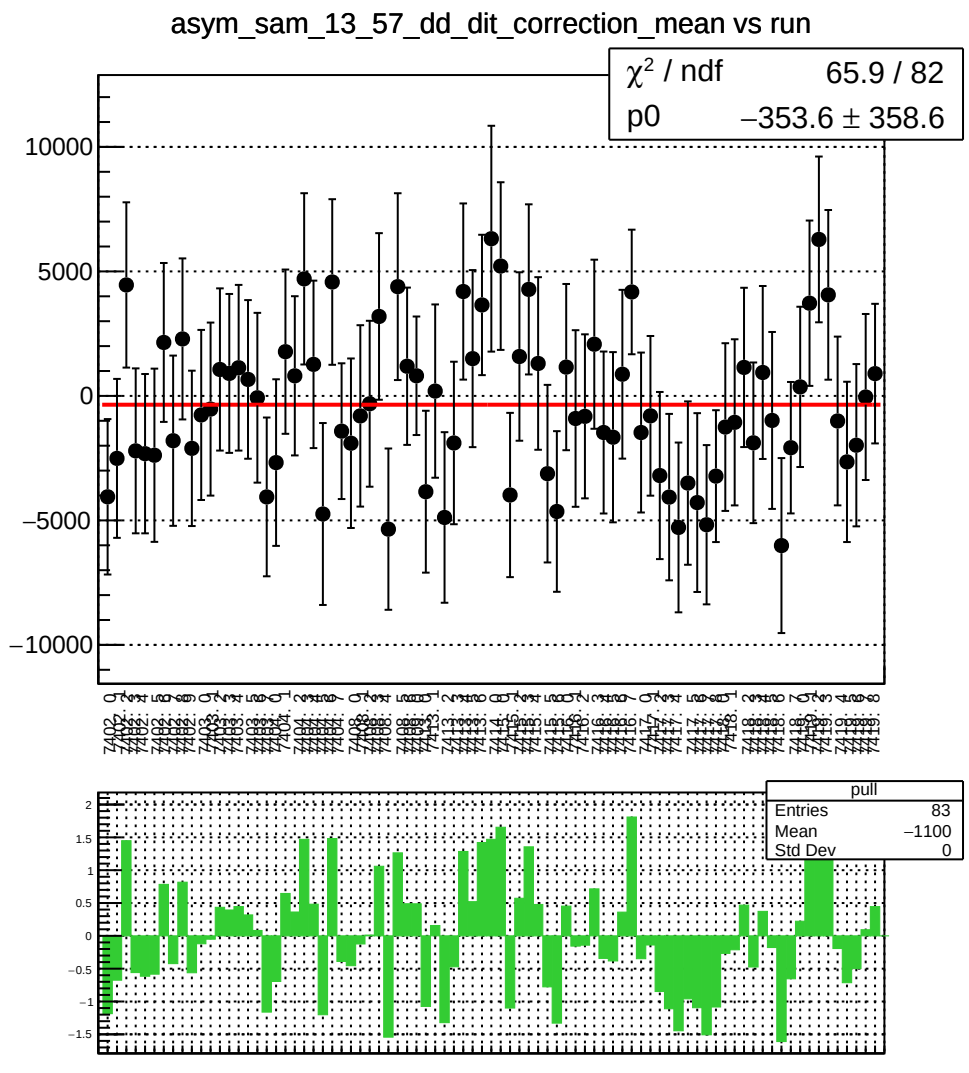

pull1D
Entries 83
Mean −0.003299
Std Dev 0.8896
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

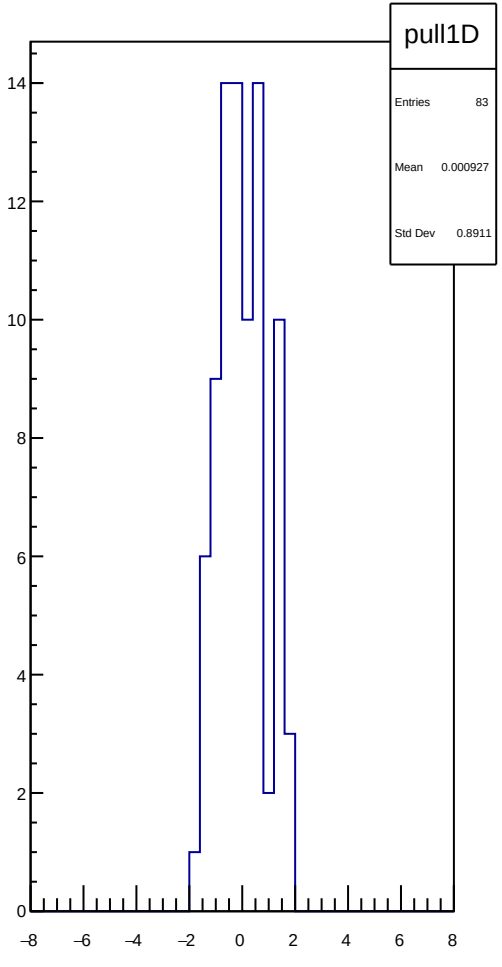

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 2583 / 82
p0 305 ± 0.243
340
330
320
310
300
290
280

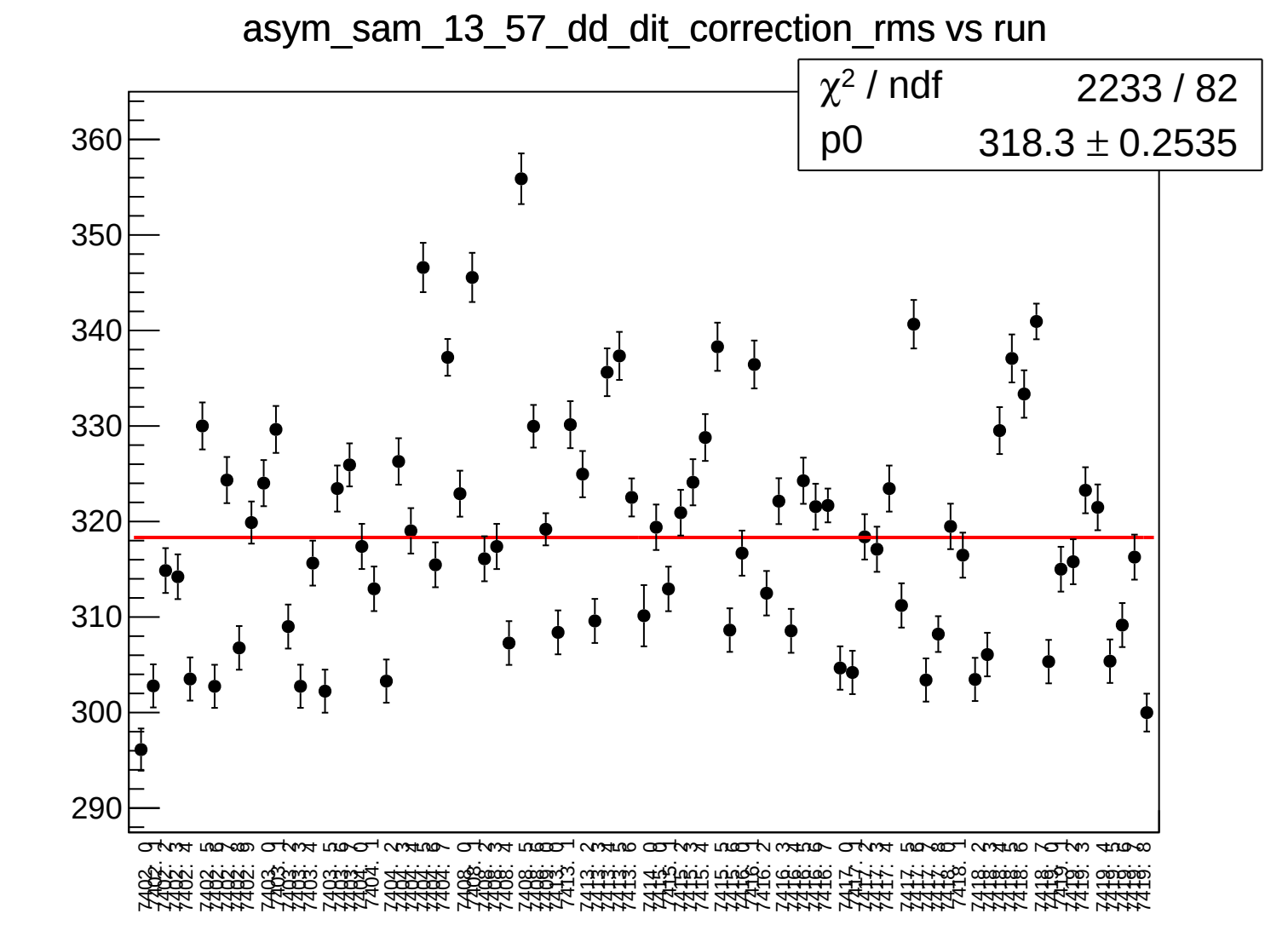

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 70.94 / 82
p0 32.58 ± 77.98
3000
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 385.1
Std Dev 0
3
2
1
0
−1

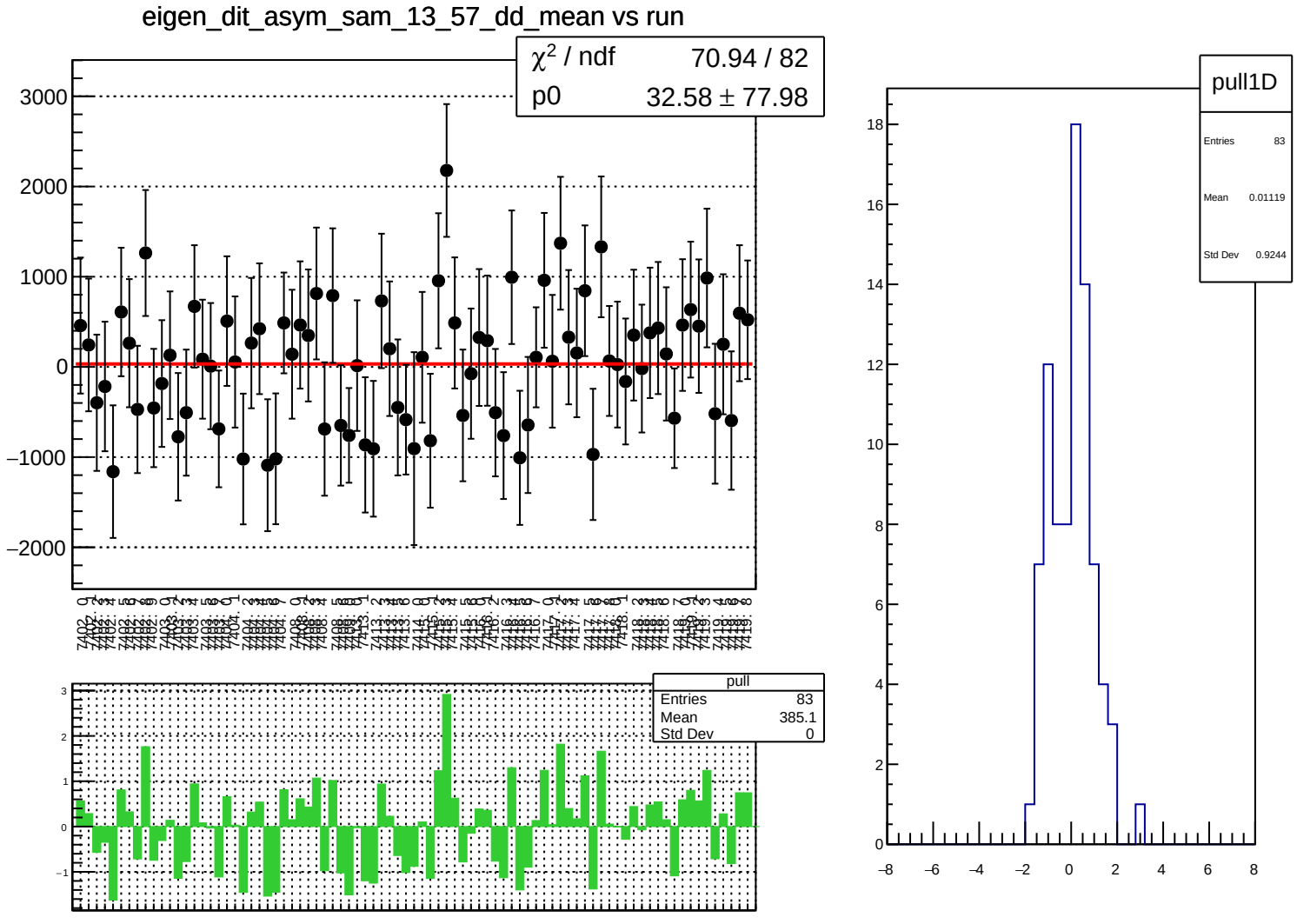

pull1D
Entries 83
Mean 0.01119
Std Dev 0.9244
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

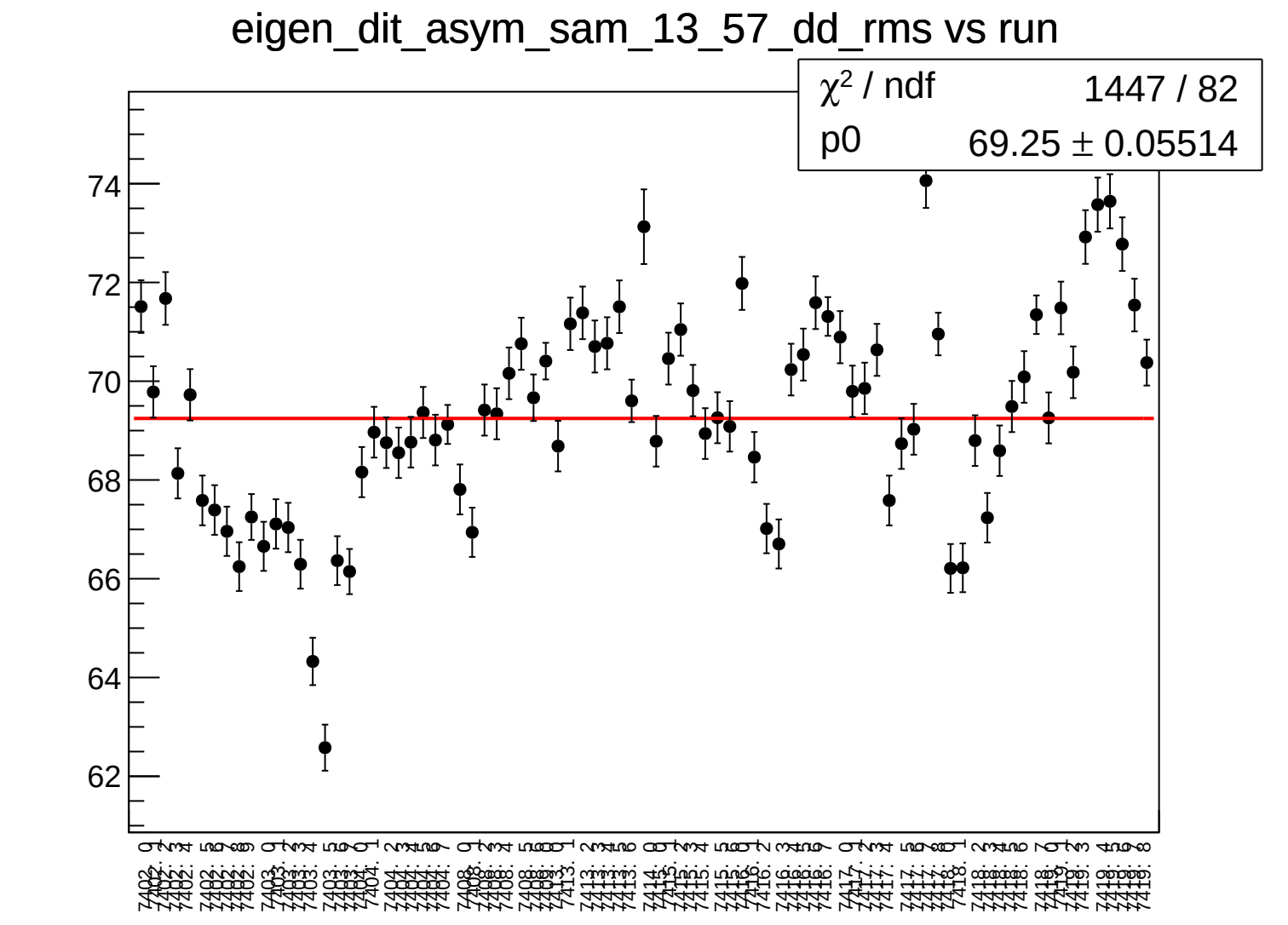

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1447 / 82
p0 69.25 ± 0.05514
74
72
70
68
66
64
62

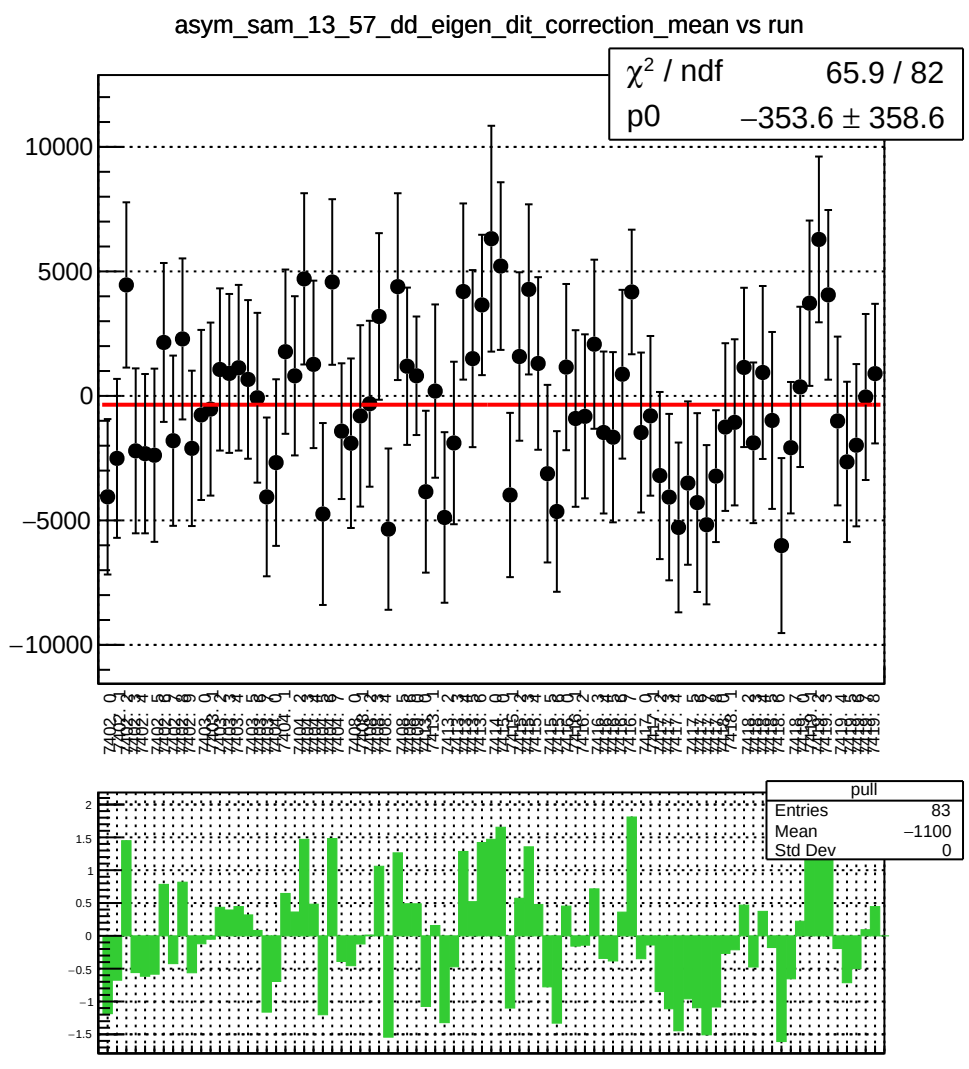

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 65.9 / 82
p0 −353.6 ± 358.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −1100
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

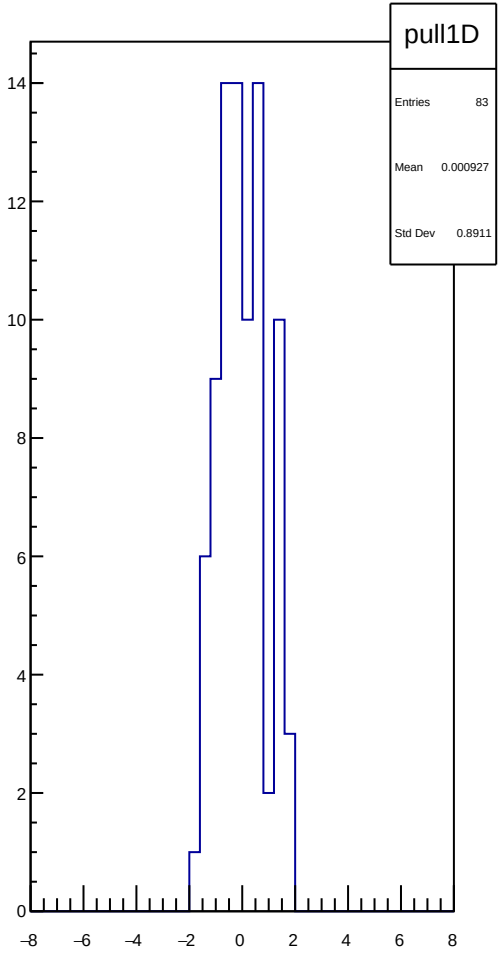

pull1D
Entries 83
Mean 0.000927
Std Dev 0.8911
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

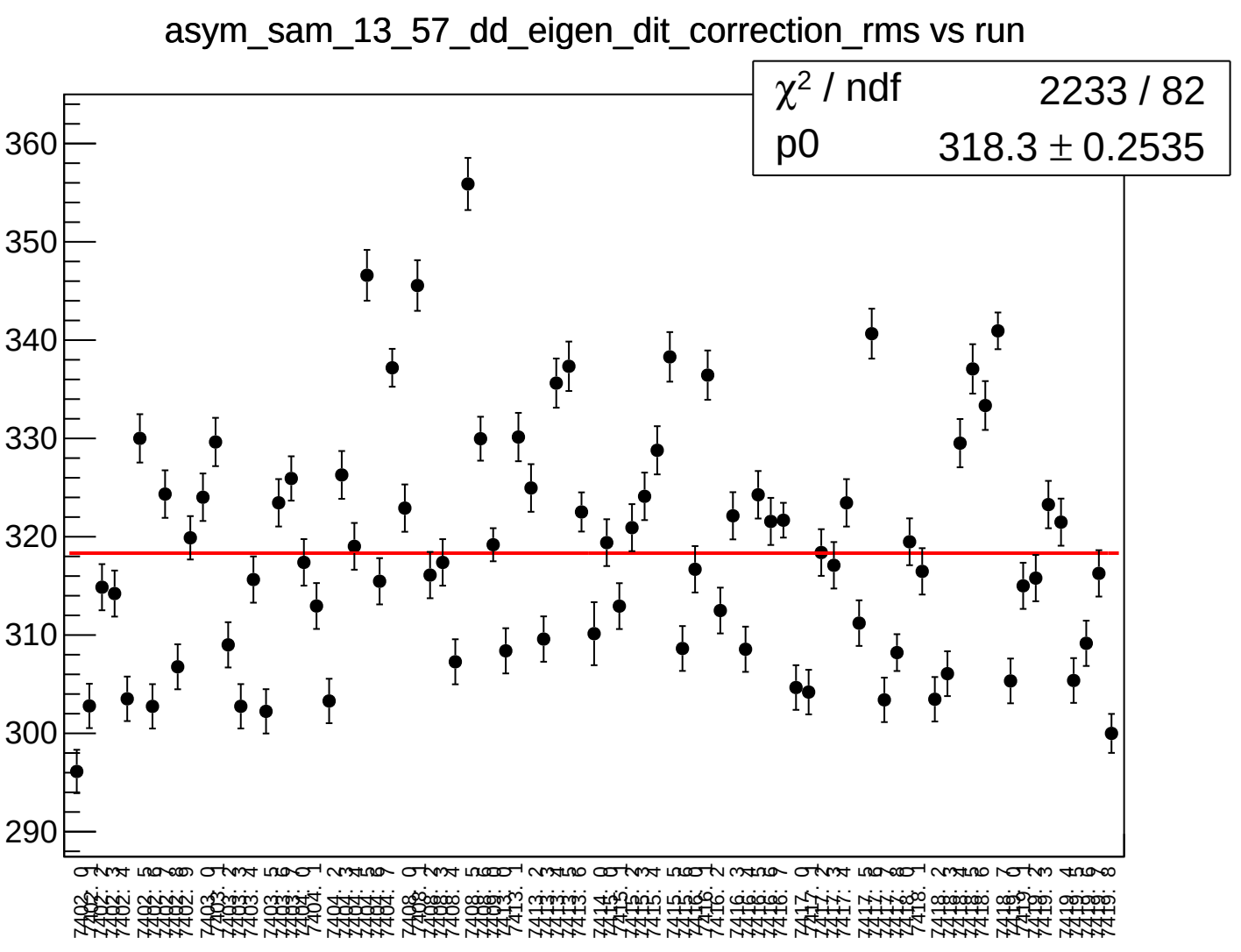

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2233 / 82
p0 318.3 ± 0.2535
360
350
340
330
320
310
300
290

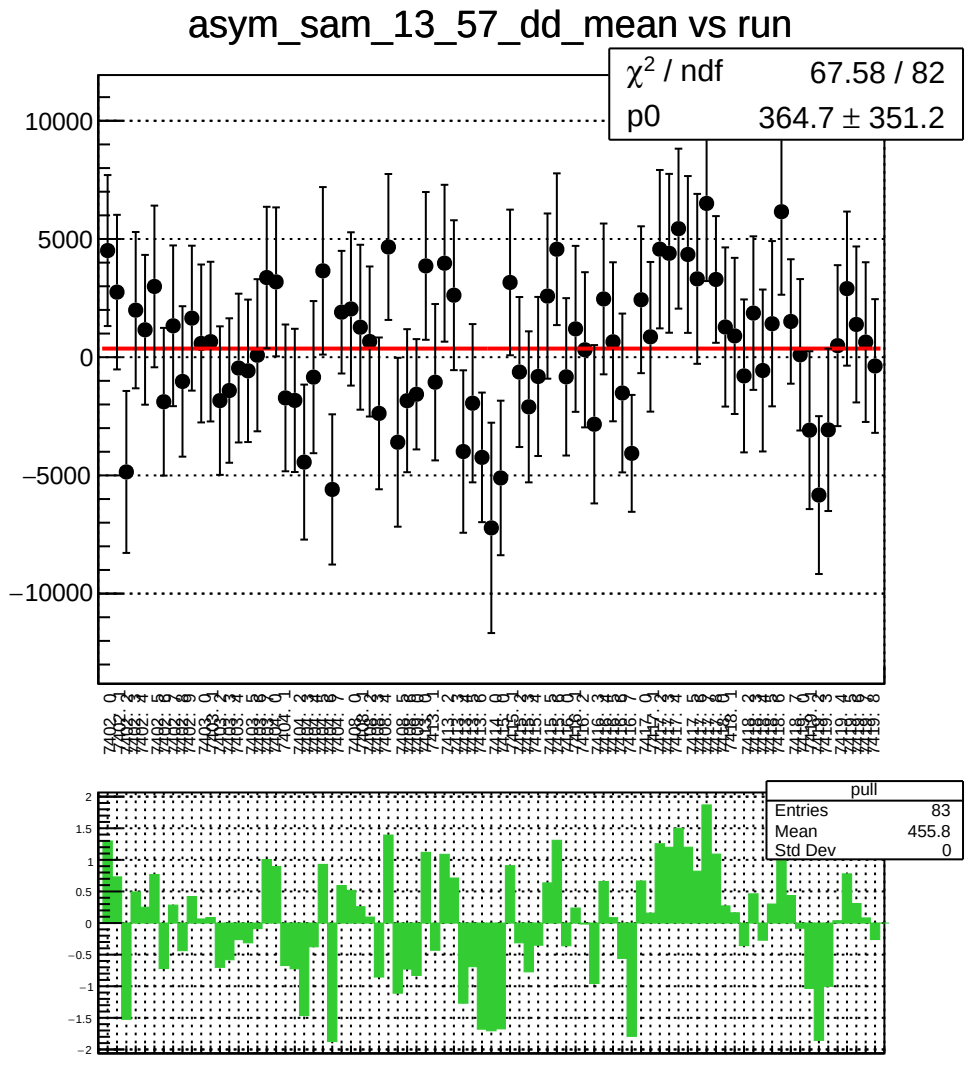

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 70.94 / 82
p0 32.58 ± 77.98
3000
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 385.1
Std Dev 0
pull1D
Entries 83
Mean 0.01119
Std Dev 0.9244
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

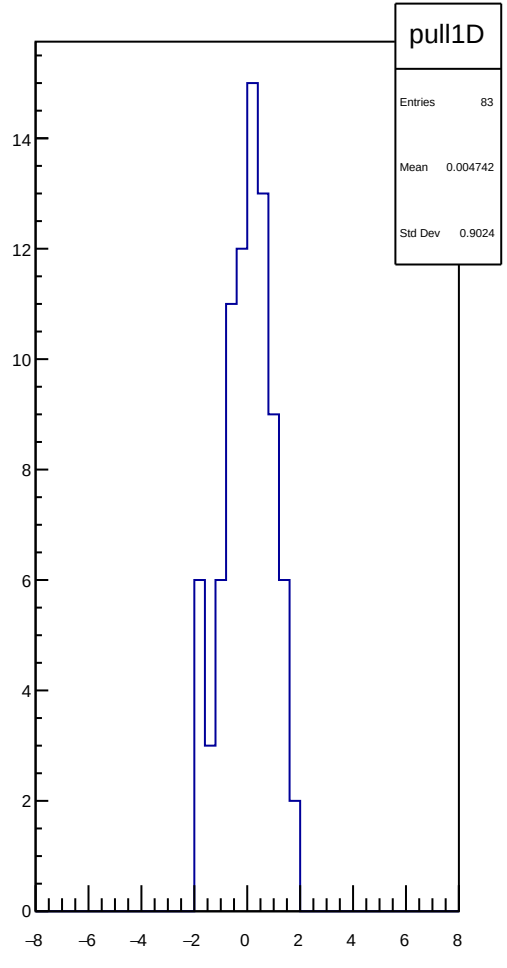

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1447 / 82
p0 69.25 ± 0.05514
74
72
70
68
66
64
62

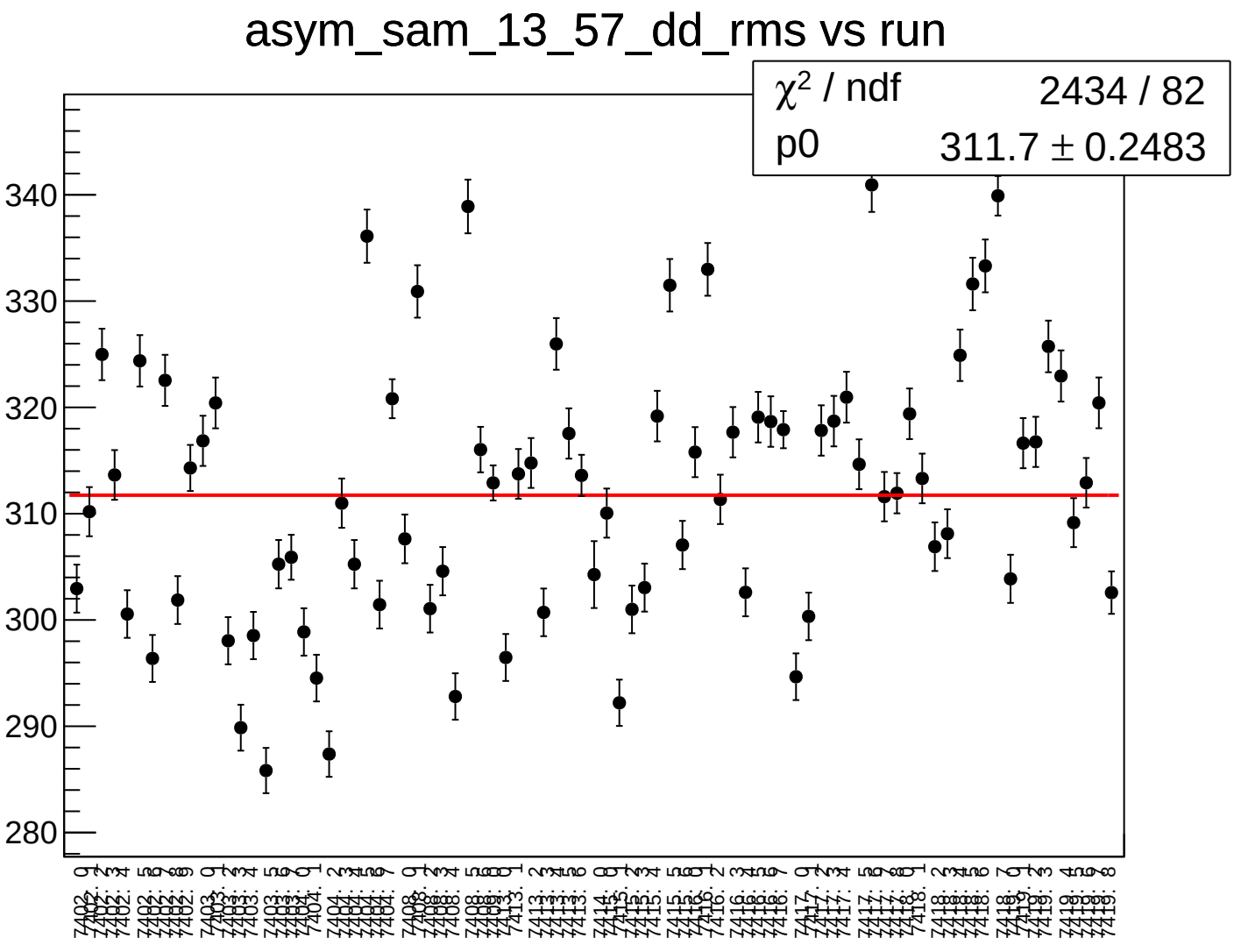

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 65.9 / 82
p0 −353.6 ± 358.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −1100
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

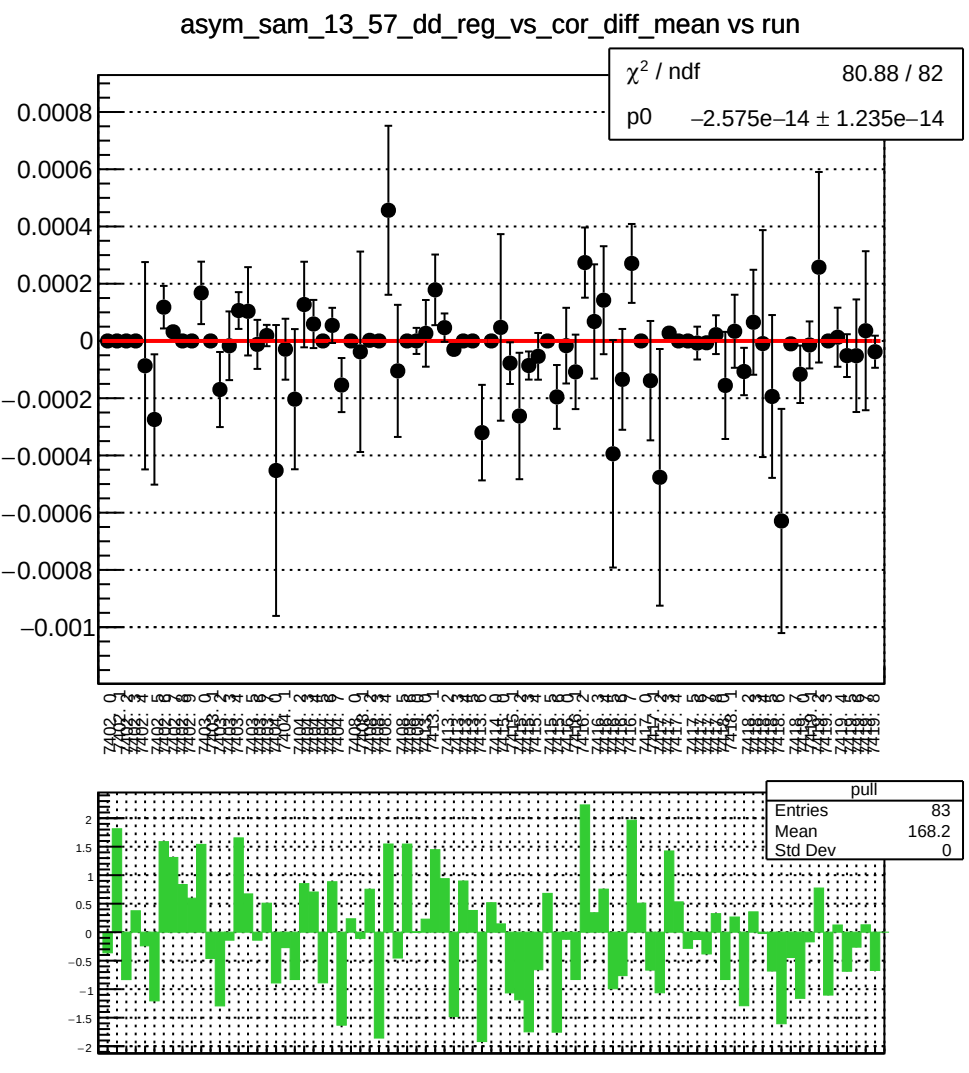

pull1D
Entries 83
Mean 0.000927
Std Dev 0.8911
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

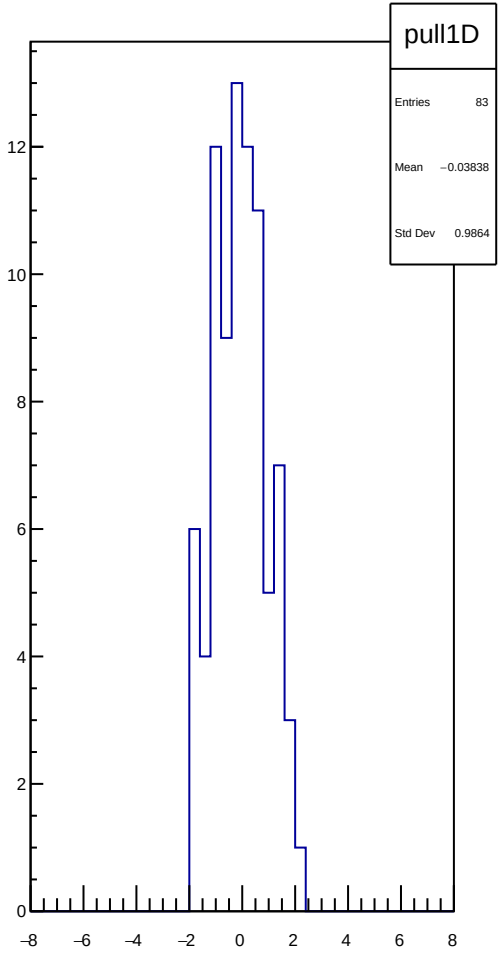

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2233 / 82
p0 318.3 ± 0.2535
360
350
340
330
320
310
300
290

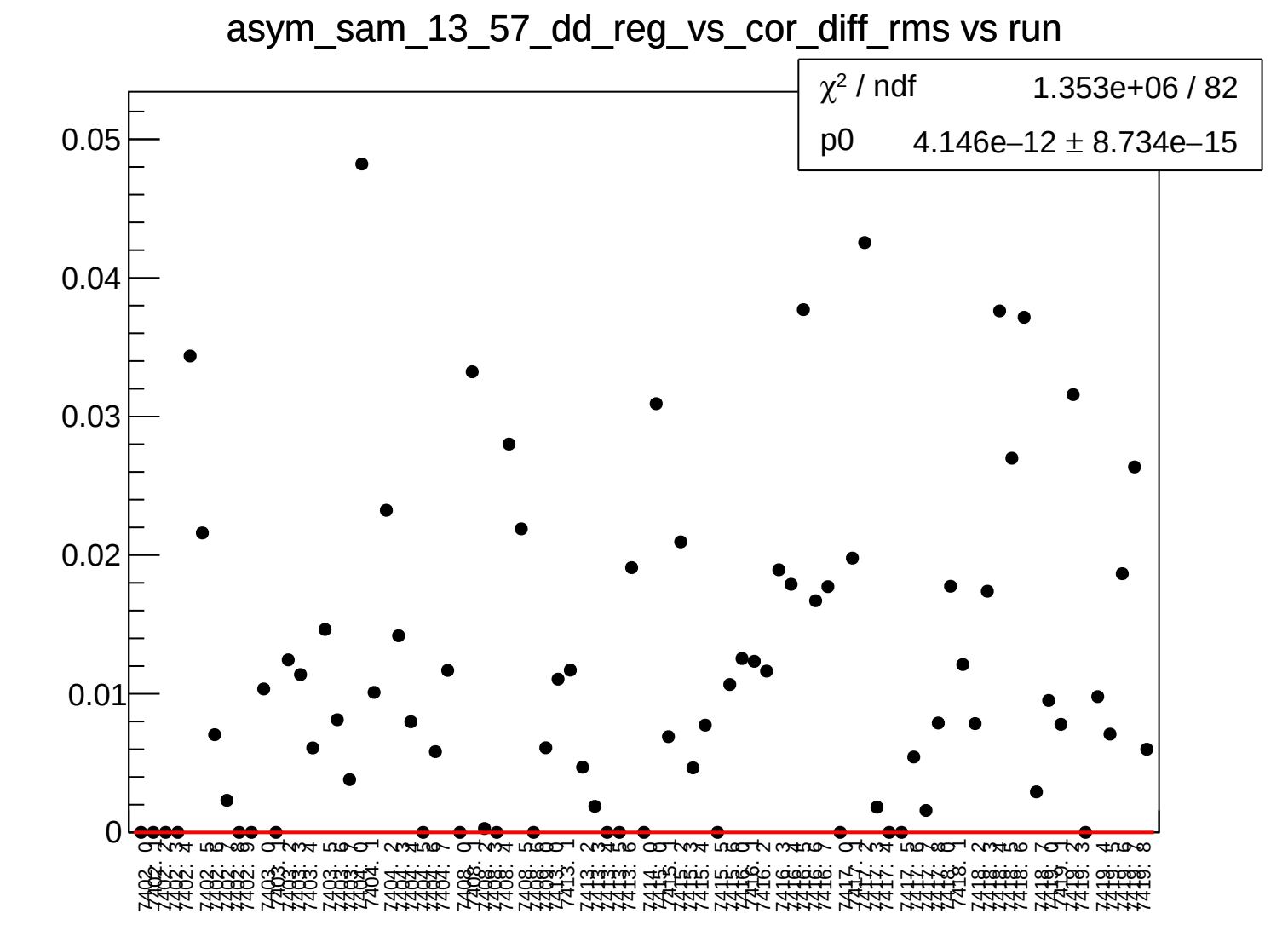

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.58 / 82
p0 364.7 ± 351.2
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 455.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

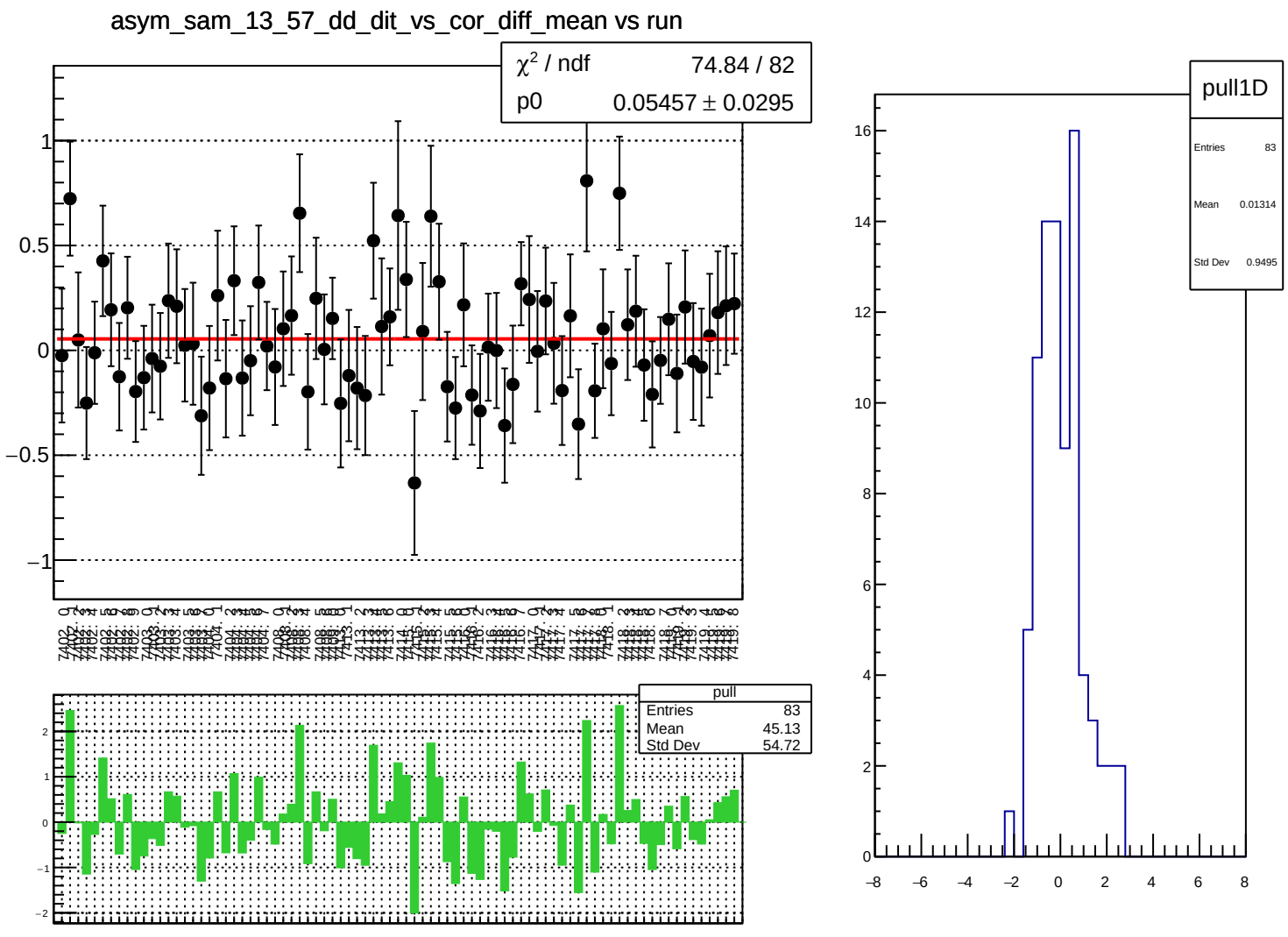

pull1D
Entries 83
Mean 0.004742
Std Dev 0.9024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

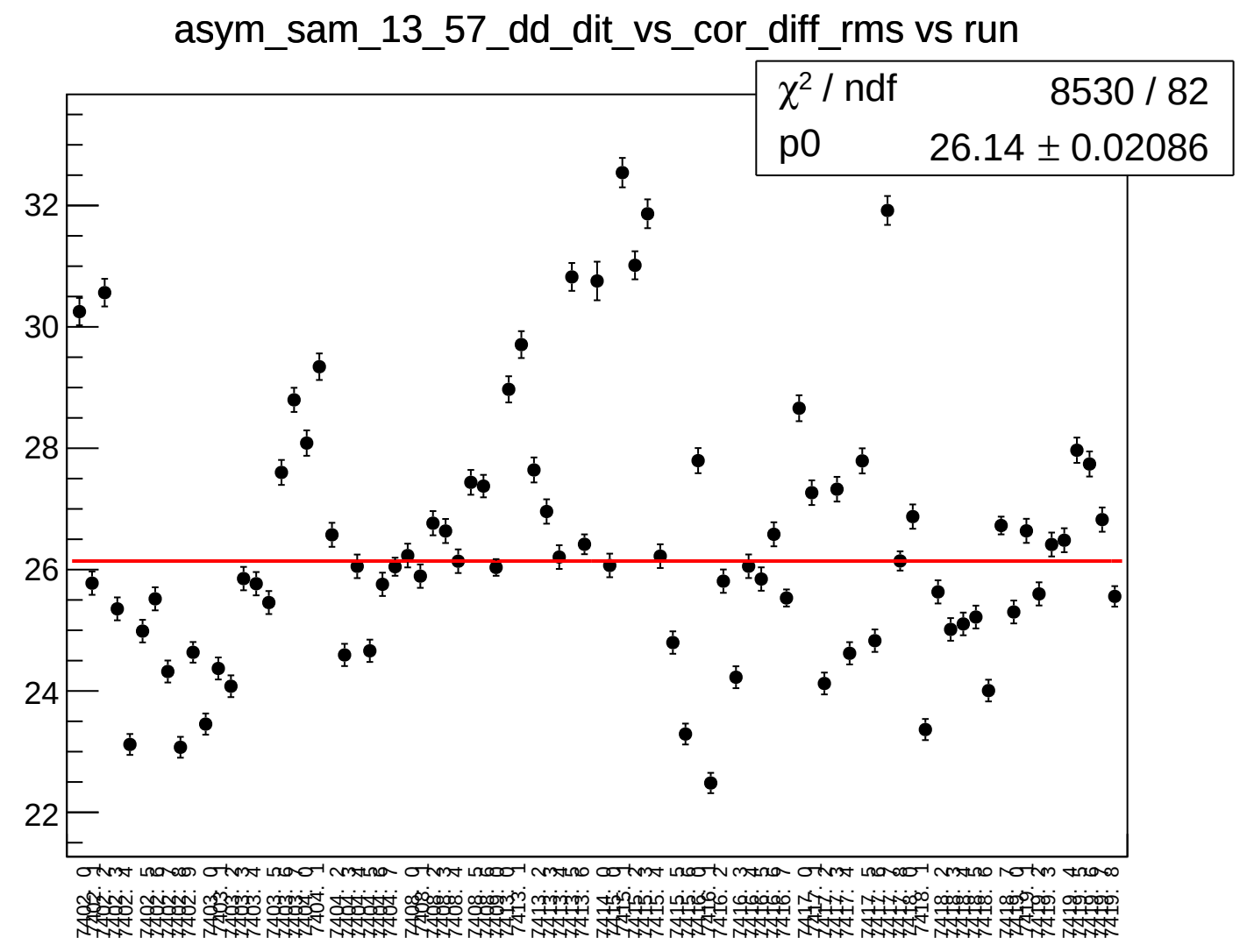

asym_sam_13_57_dd_rms vs run
χ² / ndf 2434 / 82
p0 311.7 ± 0.2483
340
330
320
310
300
290
280

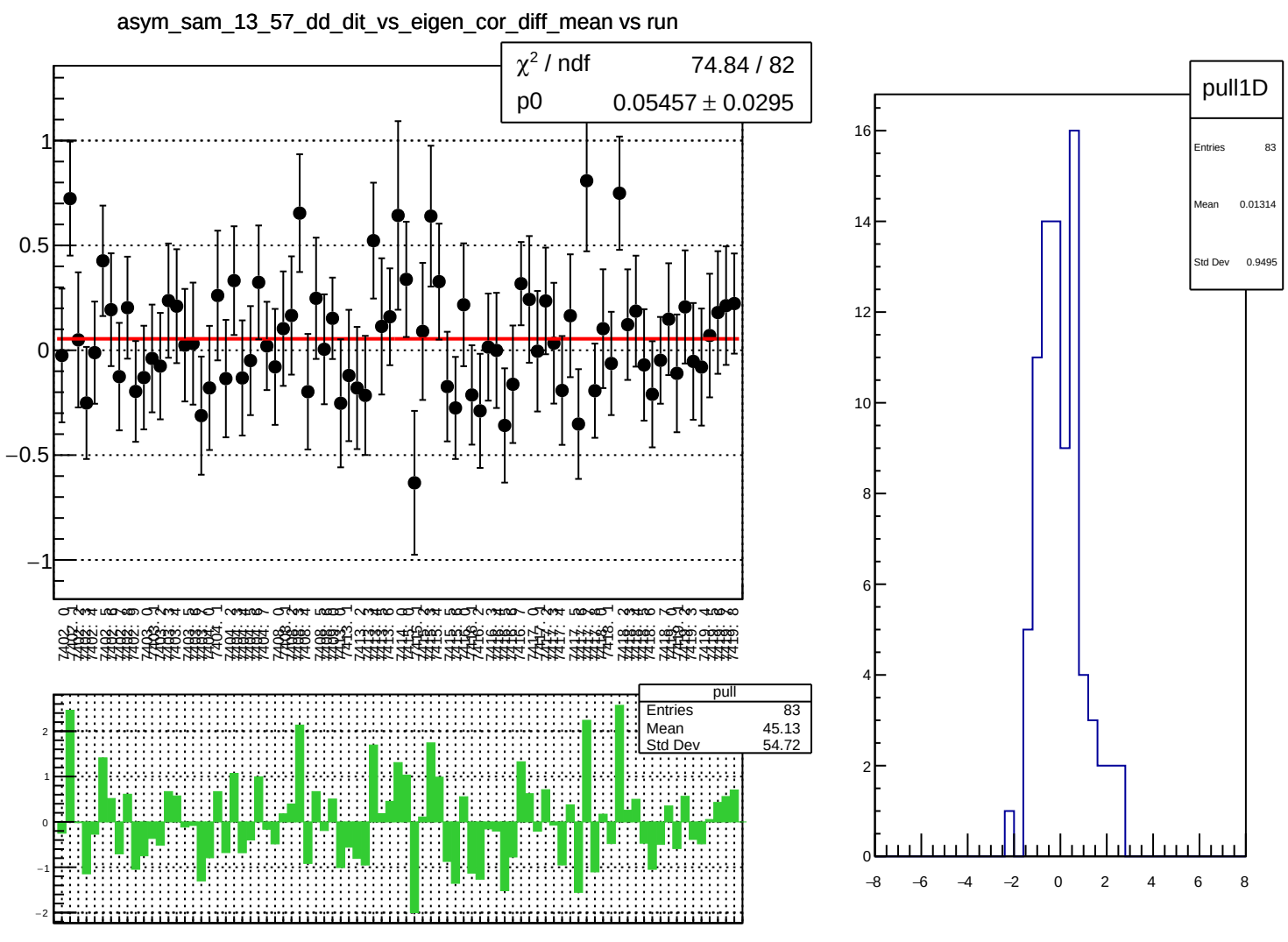

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.88 / 82
p0 −2.575e−14 ± 1.235e−14
pull
Entries 83
Mean 168.2
Std Dev 0

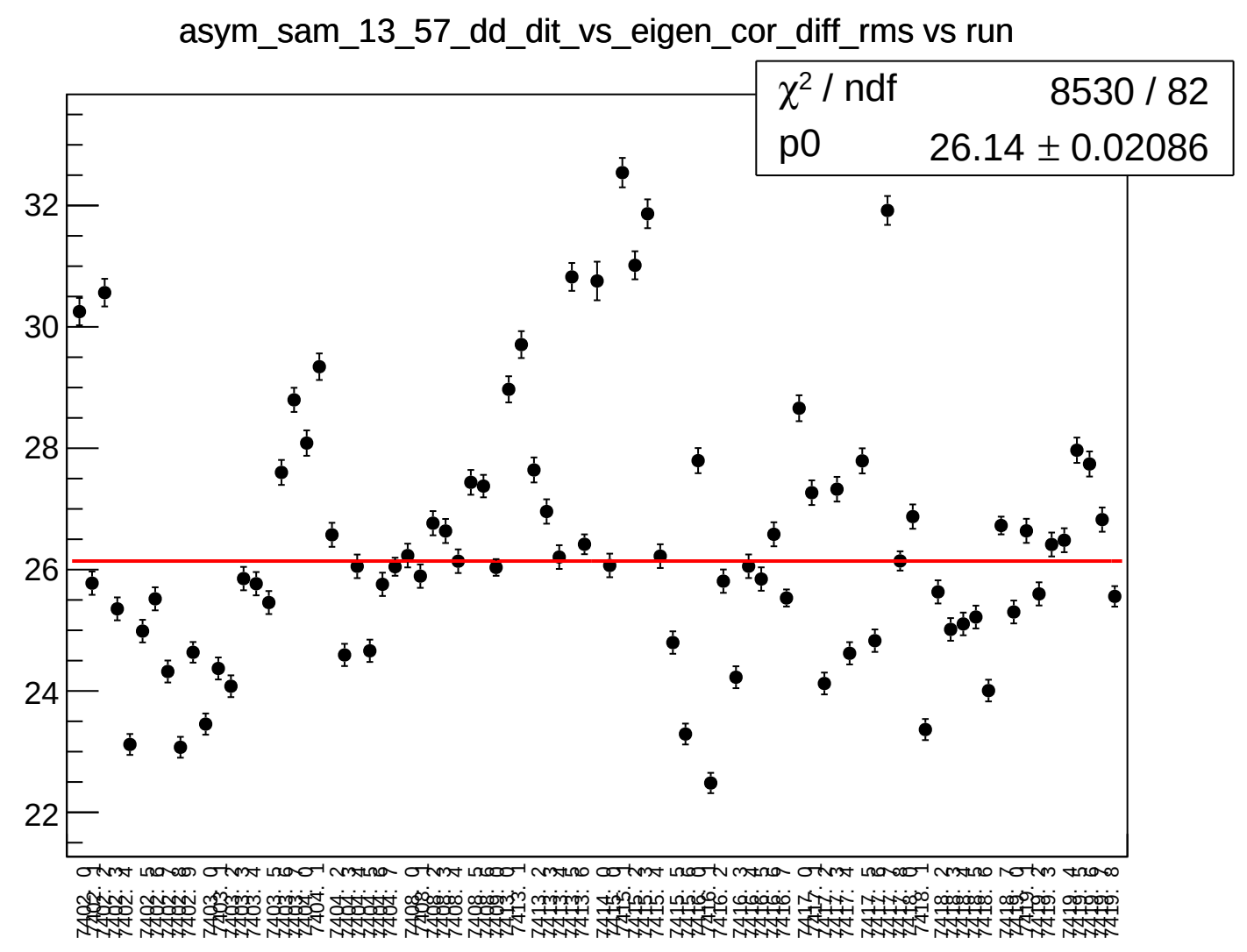

pull1D
Entries 83
Mean −0.03838
Std Dev 0.9864

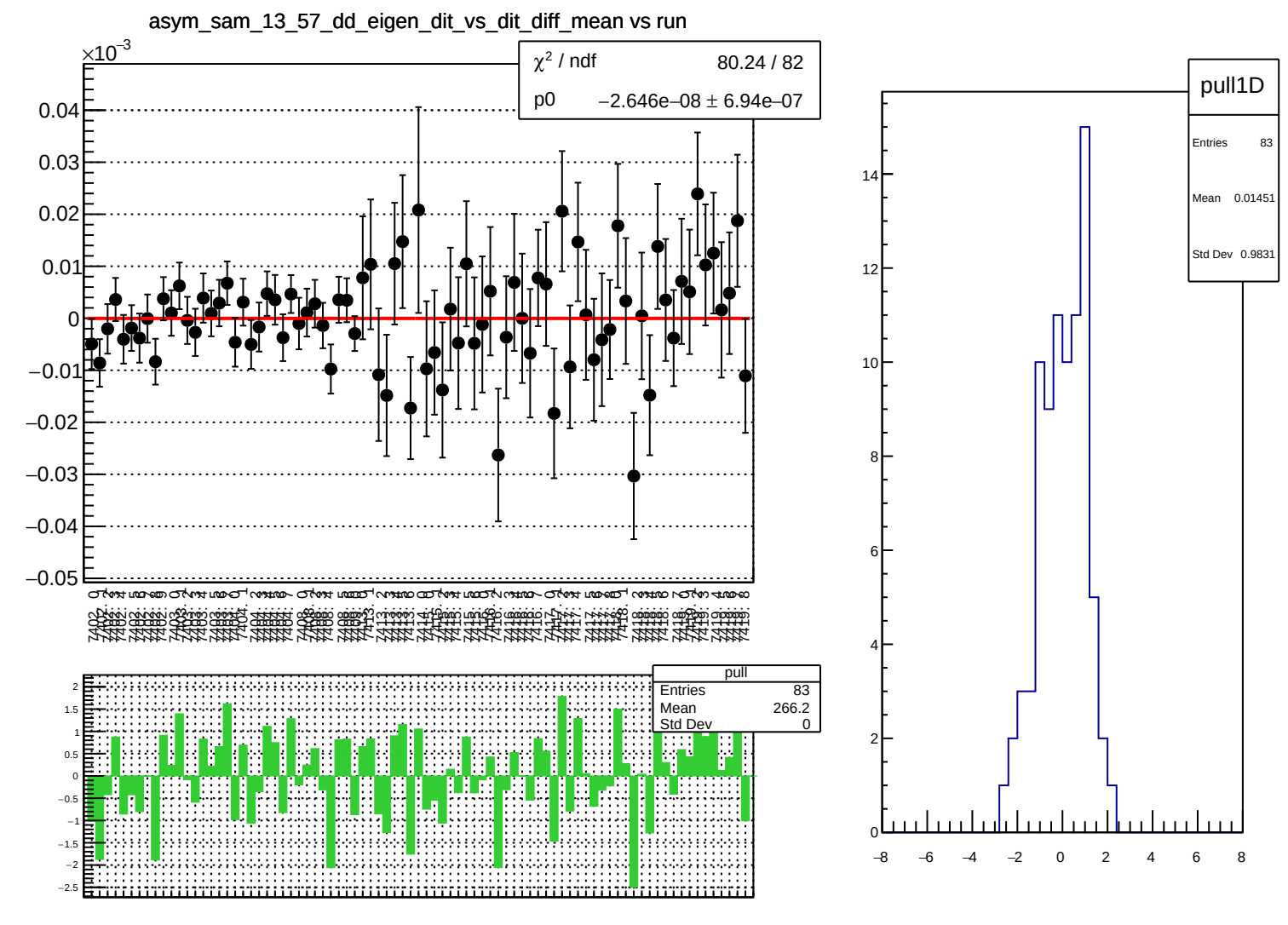

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.353e+06 / 82
p0 4.146e−12 ± 8.734e−15
0.05
0.04
0.03
0.02
0.01
0

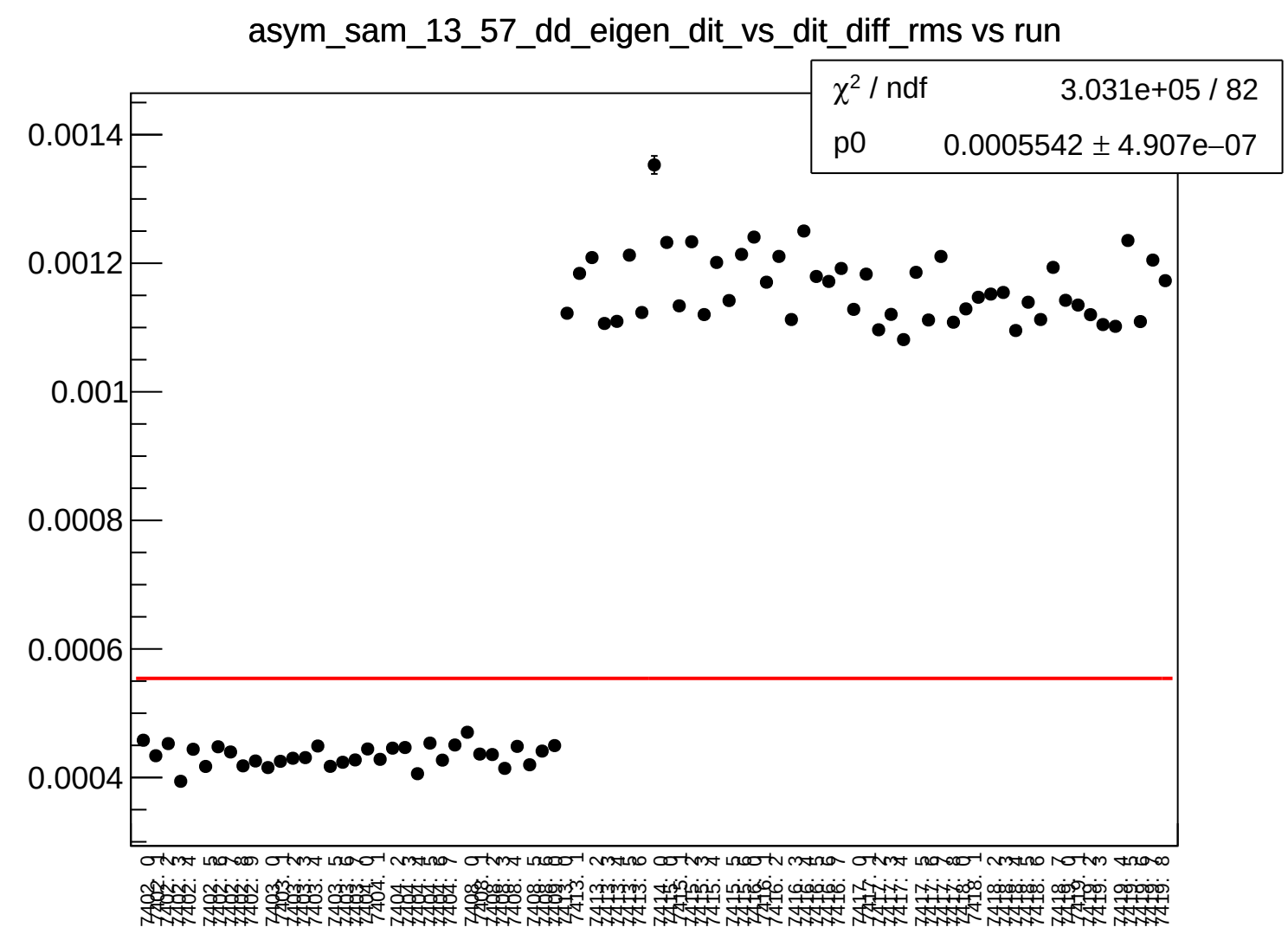

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.84 / 82
p0 0.05457 ± 0.0295
pull
Entries 83
Mean 45.13
Std Dev 54.72
pull1D
Entries 83
Mean 0.01314
Std Dev 0.9495

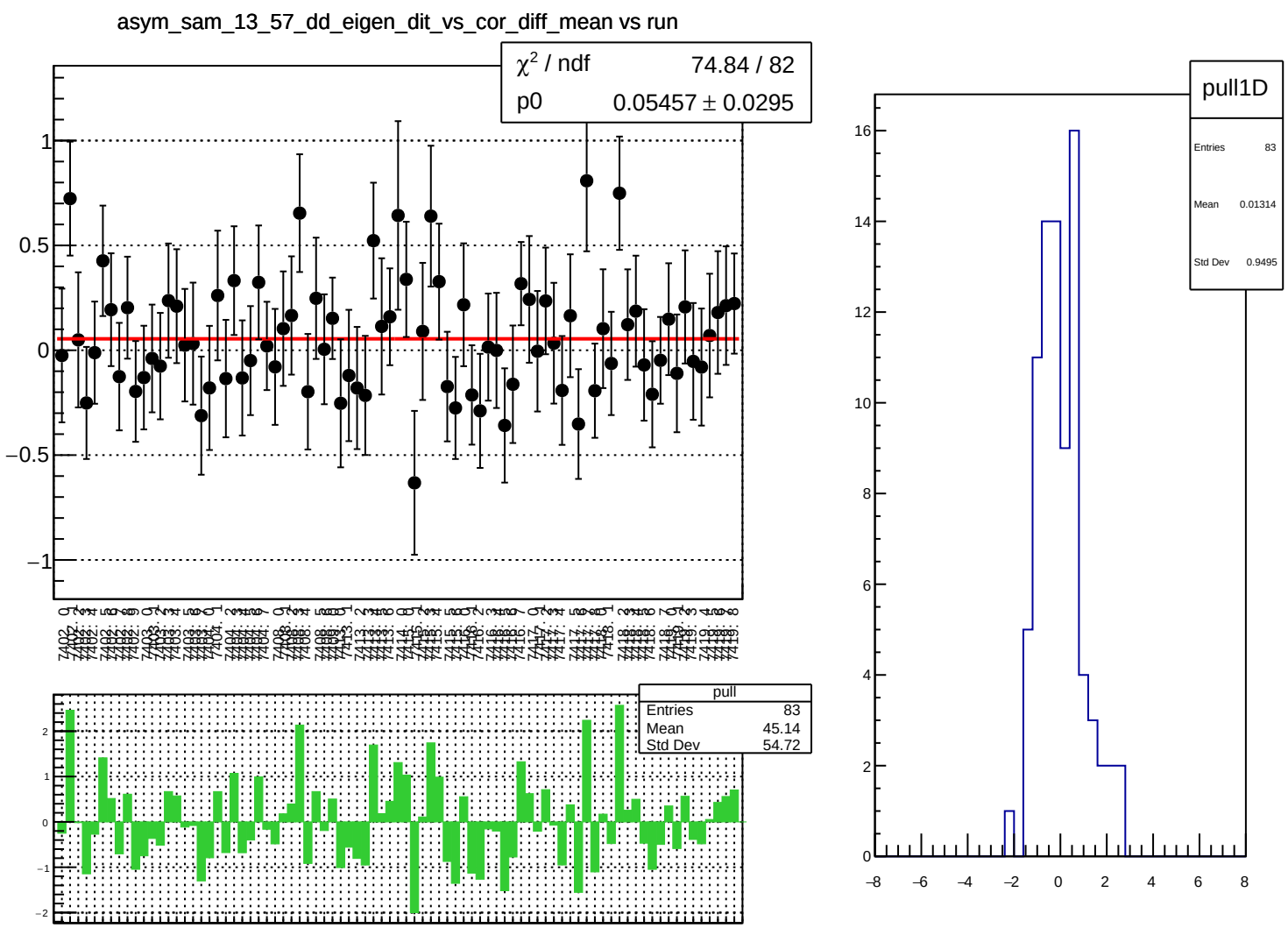

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8530 / 82
p0 26.14 ± 0.02086
32
30
28
26
24
22

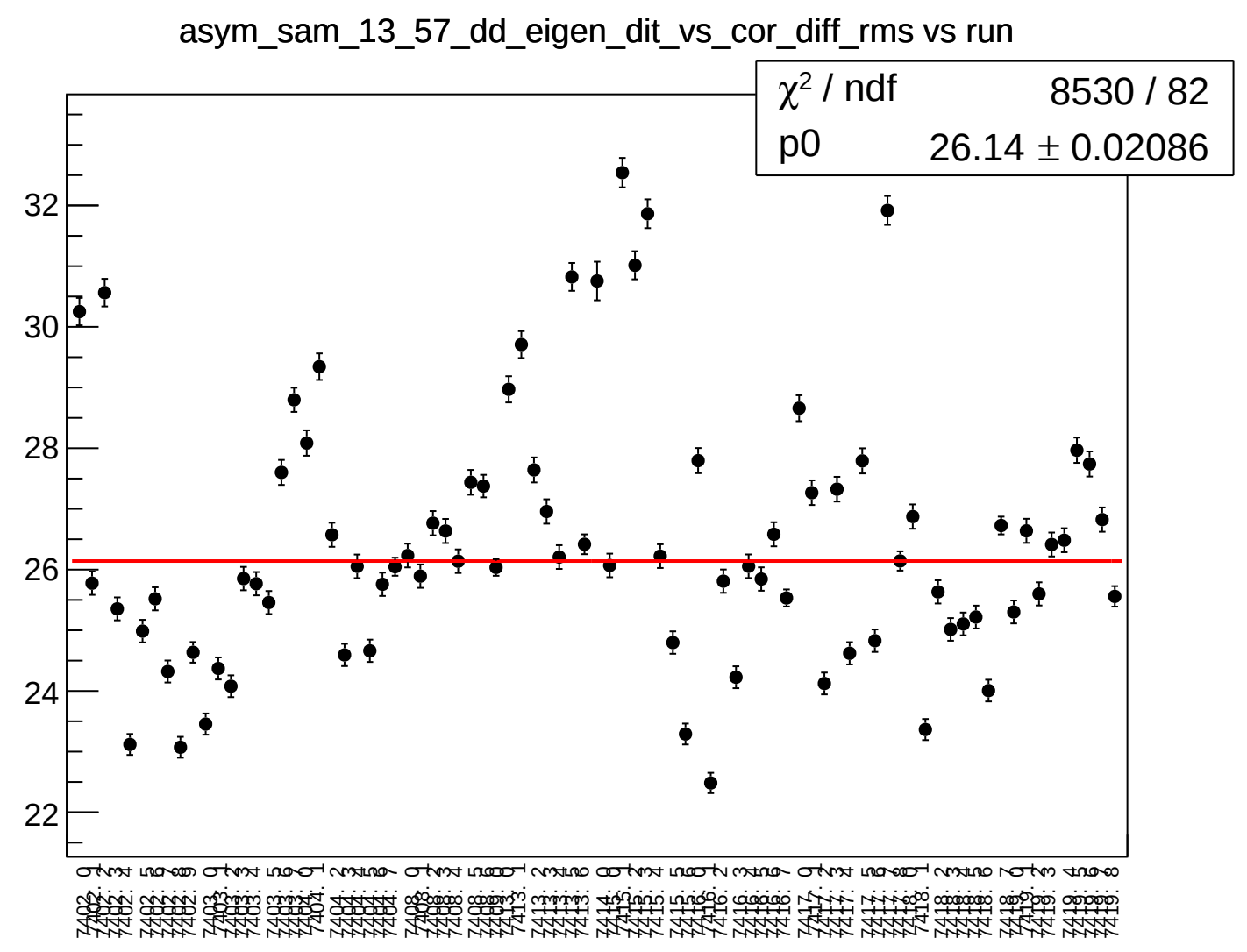

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.84 / 82
p0 0.05457 ± 0.0295
pull
Entries 83
Mean 45.13
Std Dev 54.72
pull1D
Entries 83
Mean 0.01314
Std Dev 0.9495

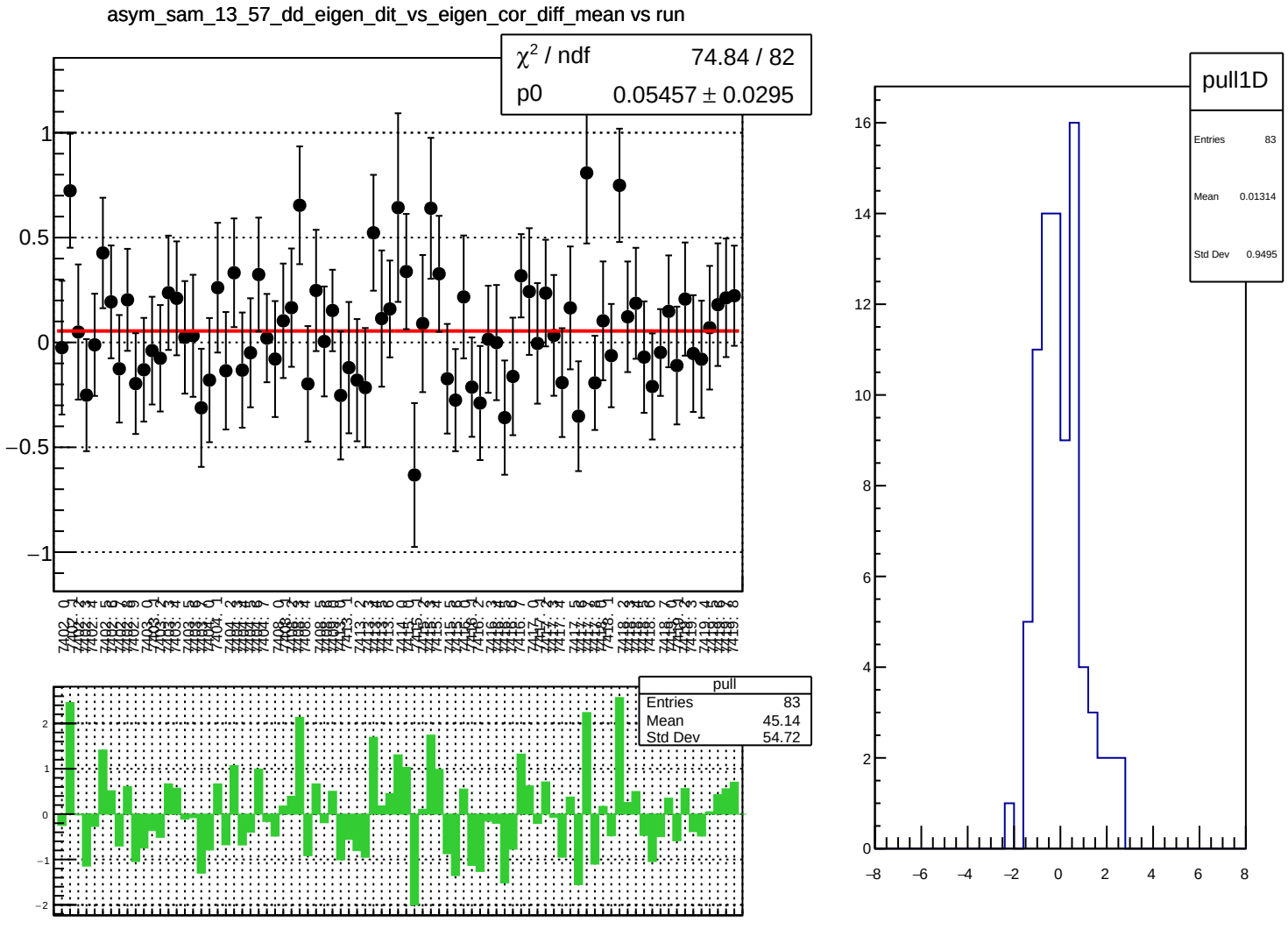

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8530 / 82
p0 26.14 ± 0.02086
32
30
28
26
24
22

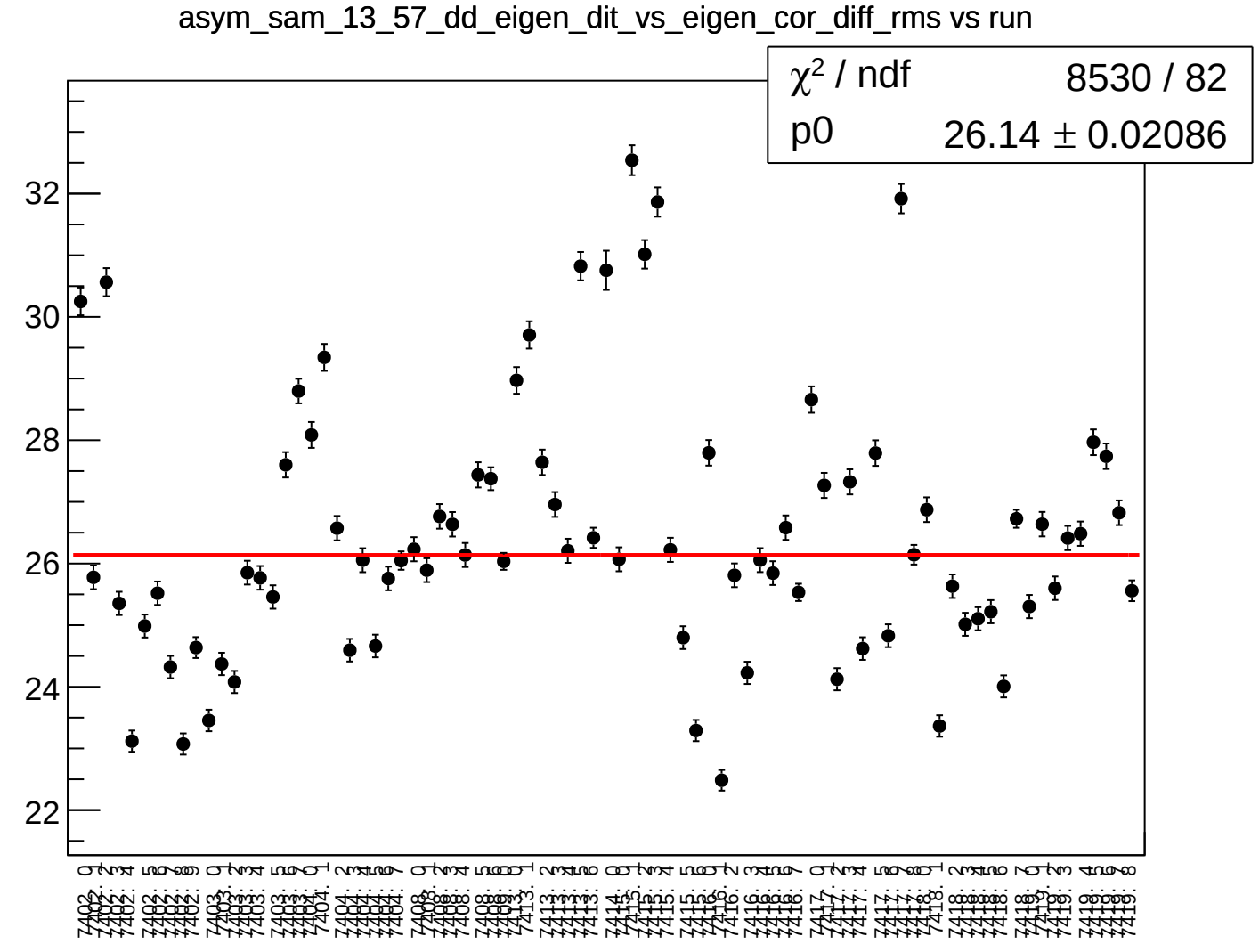

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.24 / 82
p0 −2.646e−08 ± 6.94e−07
pull
Entries 83
Mean 266.2
Std Dev 0
pull1D
Entries 83
Mean 0.01451
Std Dev 0.9831

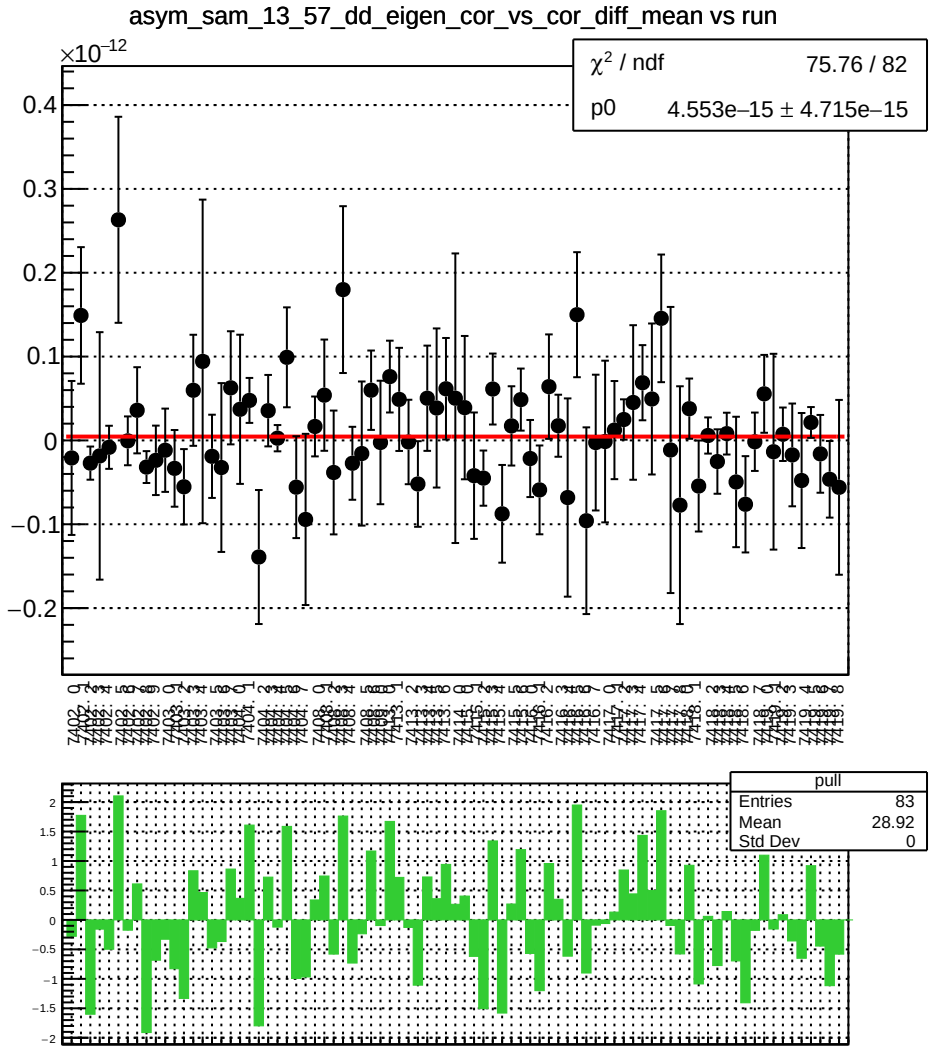

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.031e+05 / 82
p0 0.0005542 ± 4.907e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

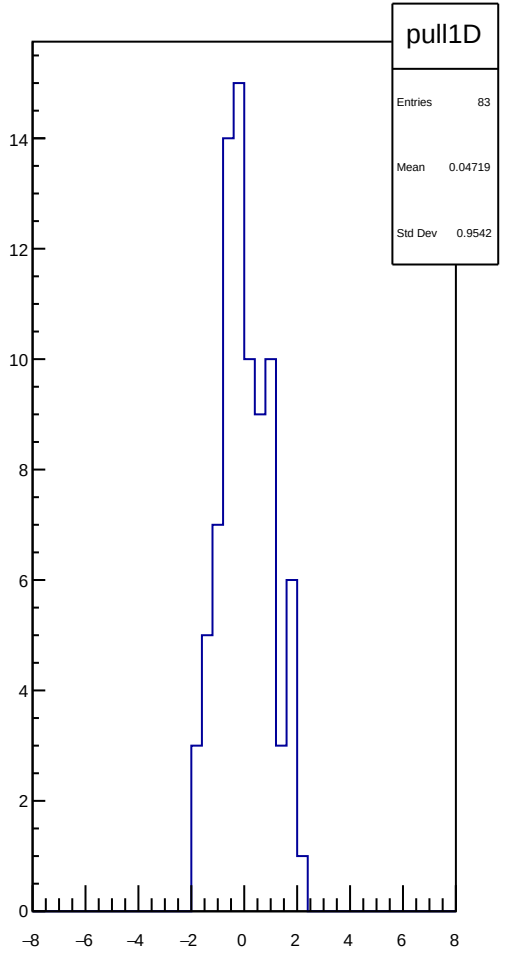

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.84 / 82
p0 0.05457 ± 0.0295
pull
Entries 83
Mean 45.14
Std Dev 54.72
pull1D
Entries 83
Mean 0.01314
Std Dev 0.9495

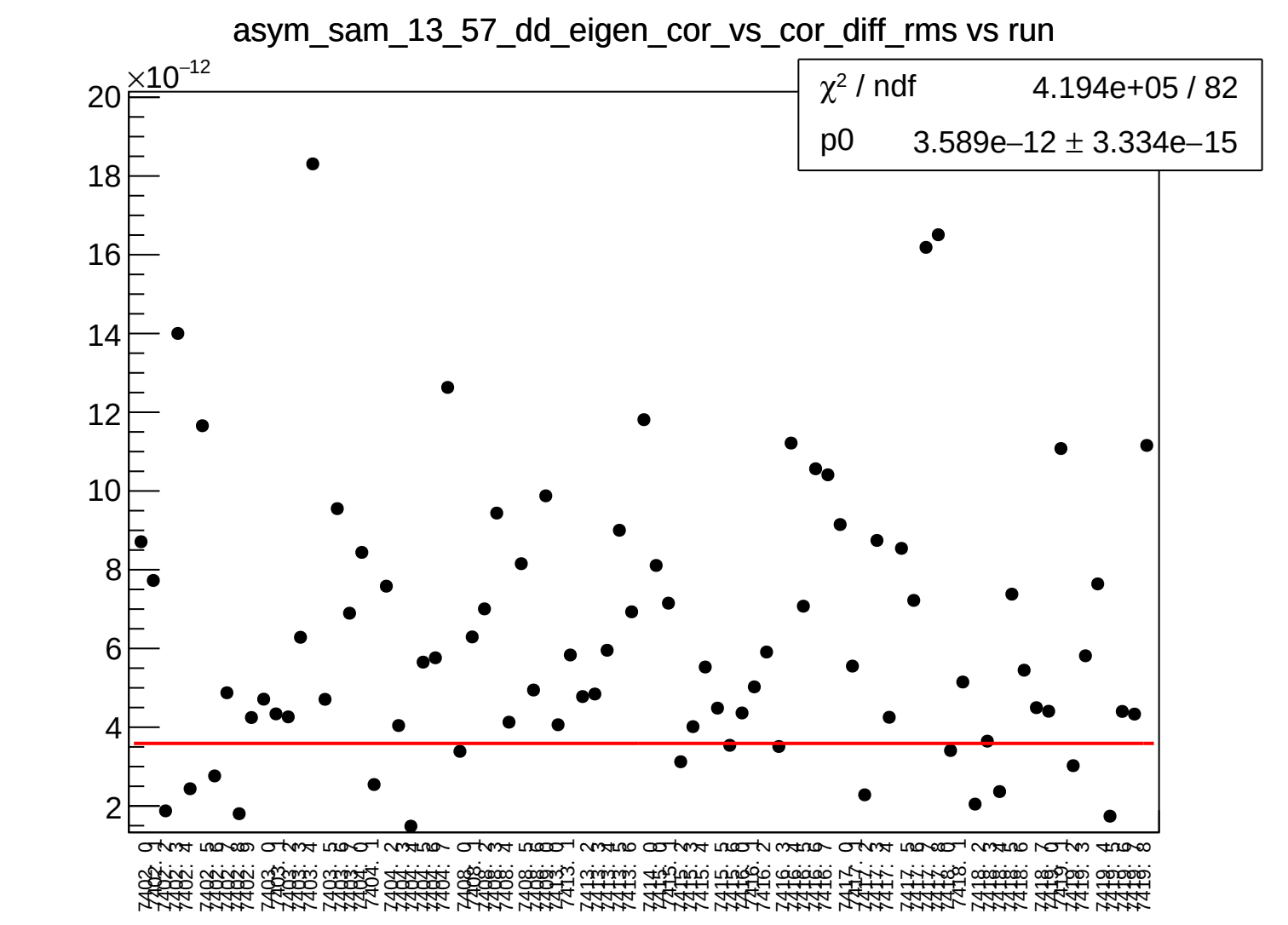

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8530 / 82
p0 26.14 ± 0.02086
32
30
28
26
24
22

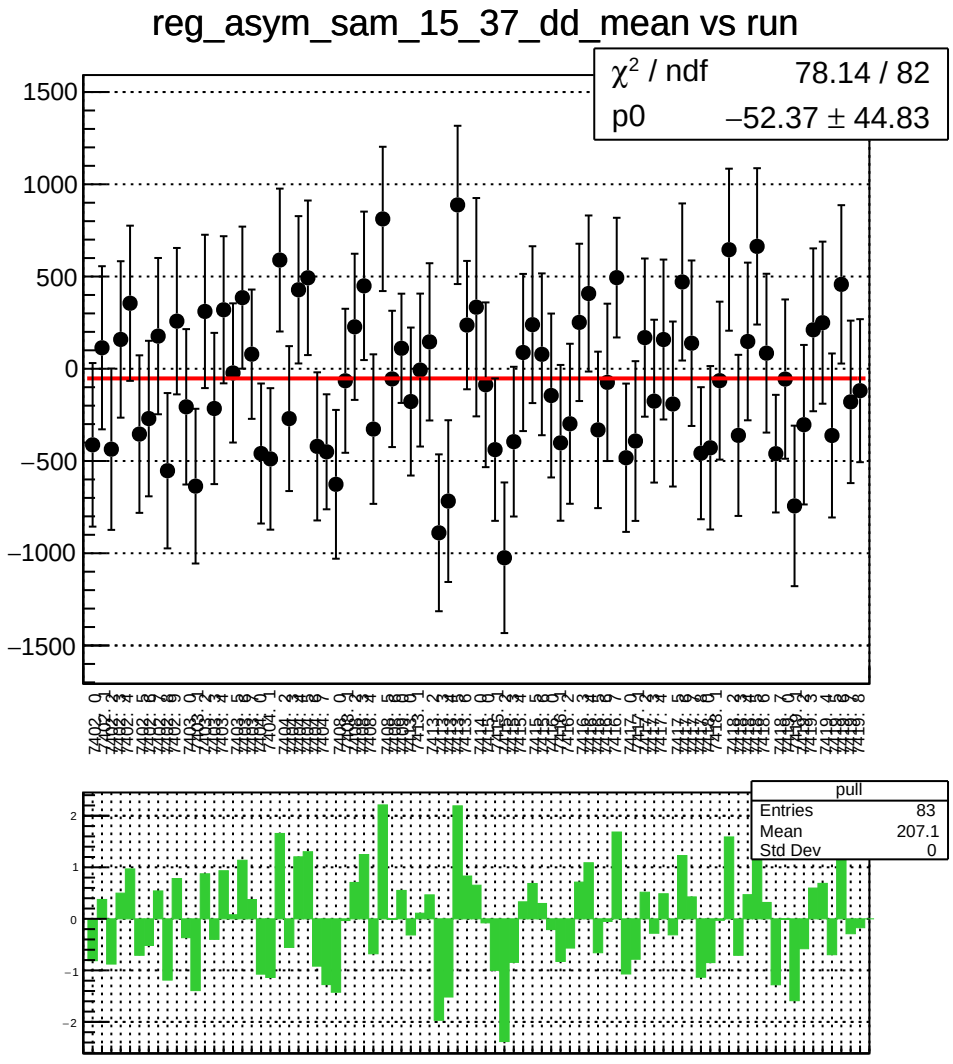

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.84 / 82
p0 0.05457 ± 0.0295
pull
Entries 83
Mean 45.14
Std Dev 54.72
pull1D
Entries 83
Mean 0.01314
Std Dev 0.9495

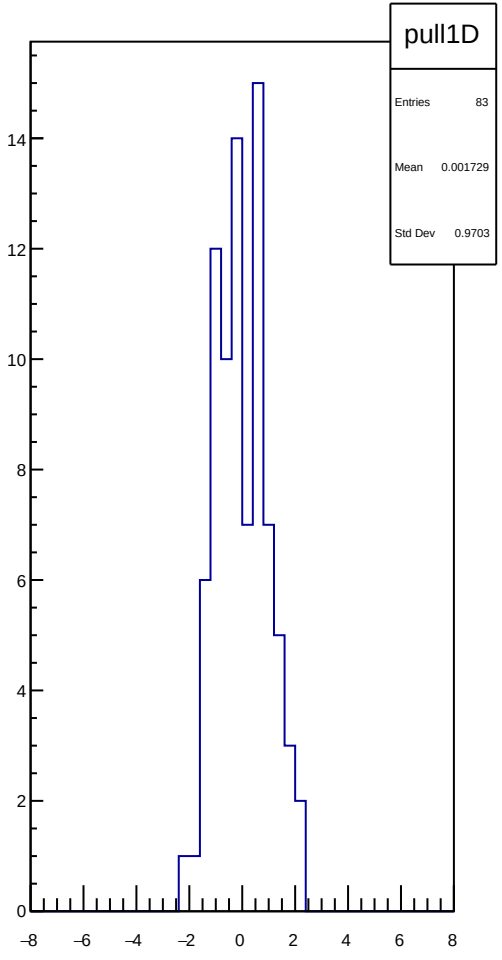

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8530 / 82
p0 26.14 ± 0.02086
32
30
28
26
24
22

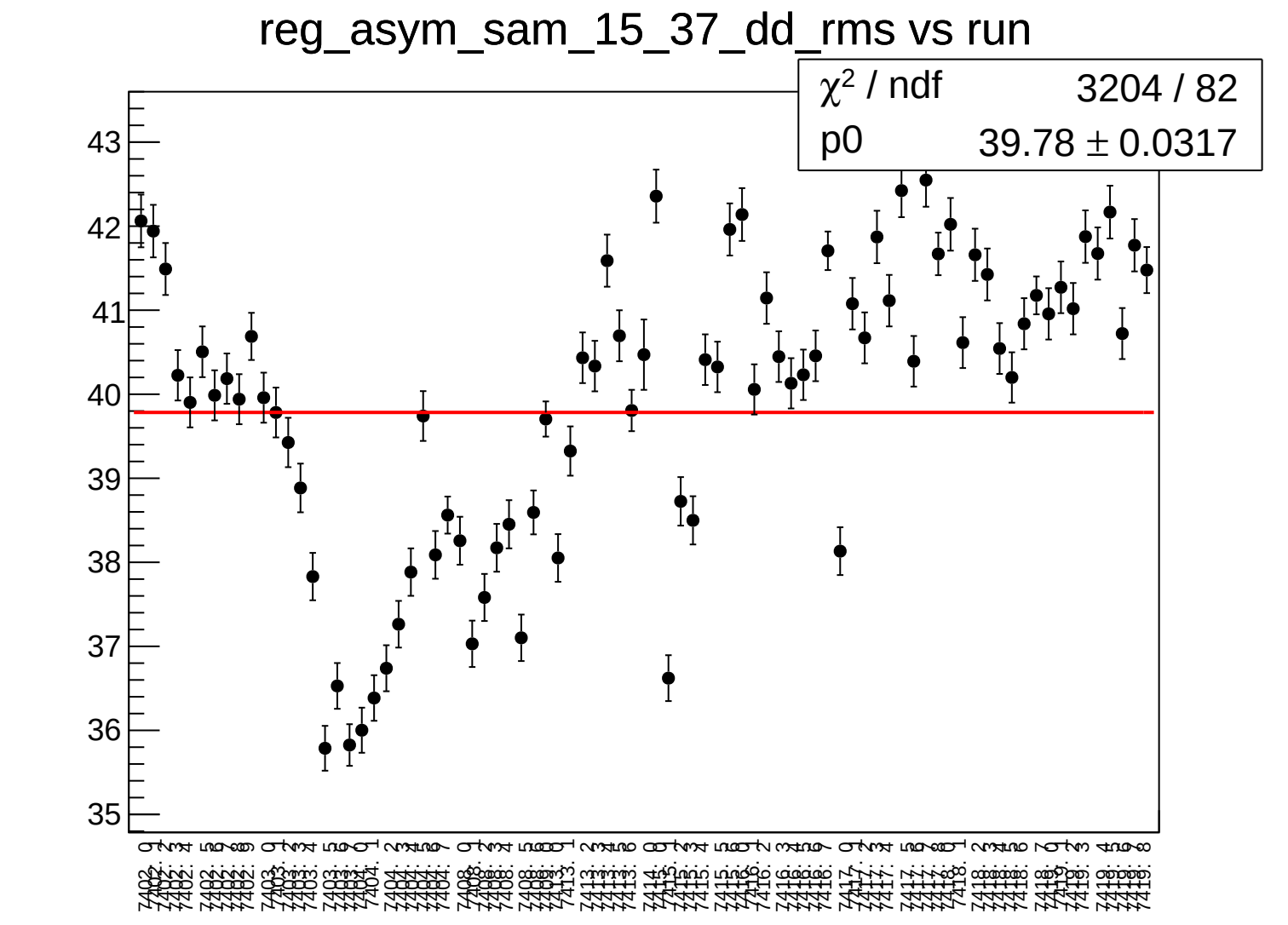

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.76 / 82
p0 4.553e−15 ± 4.715e−15
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 83
Mean 28.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

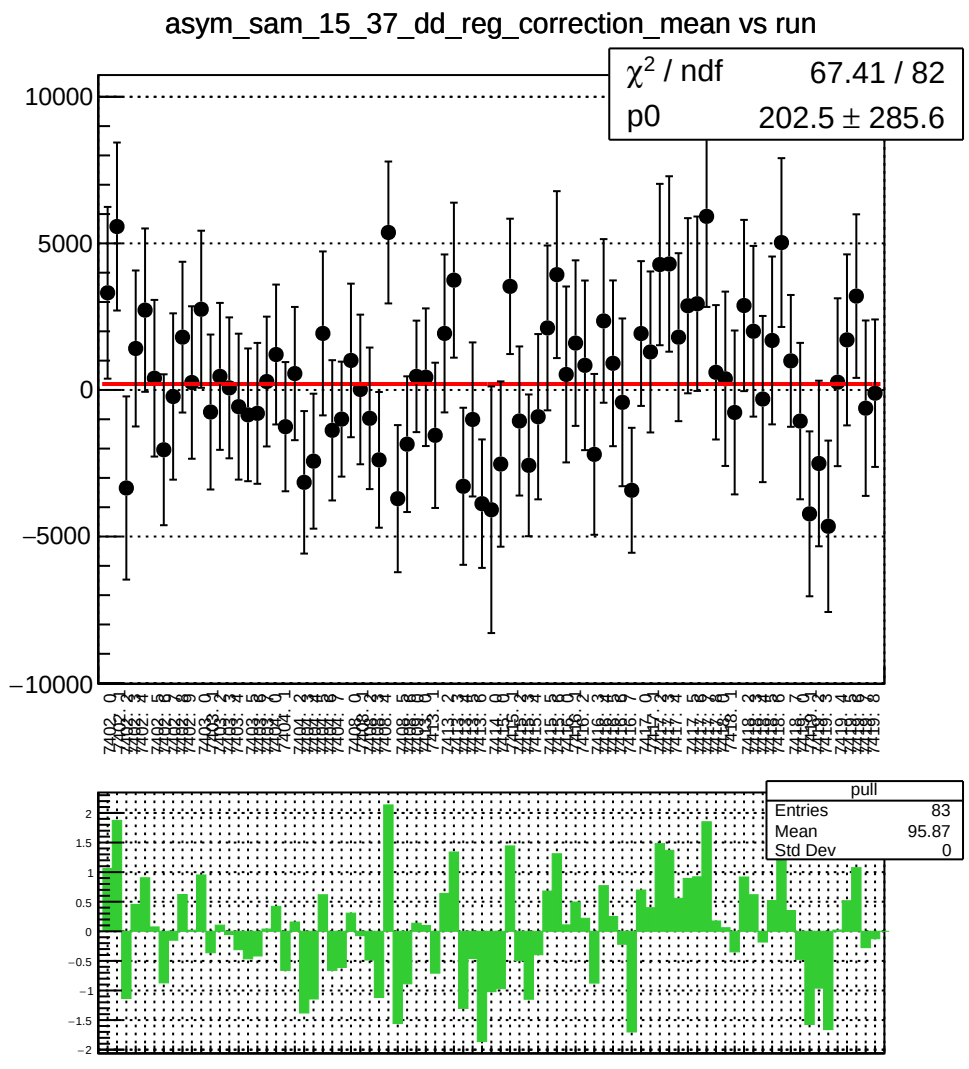

pull1D
Entries 83
Mean 0.04719
Std Dev 0.9542
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

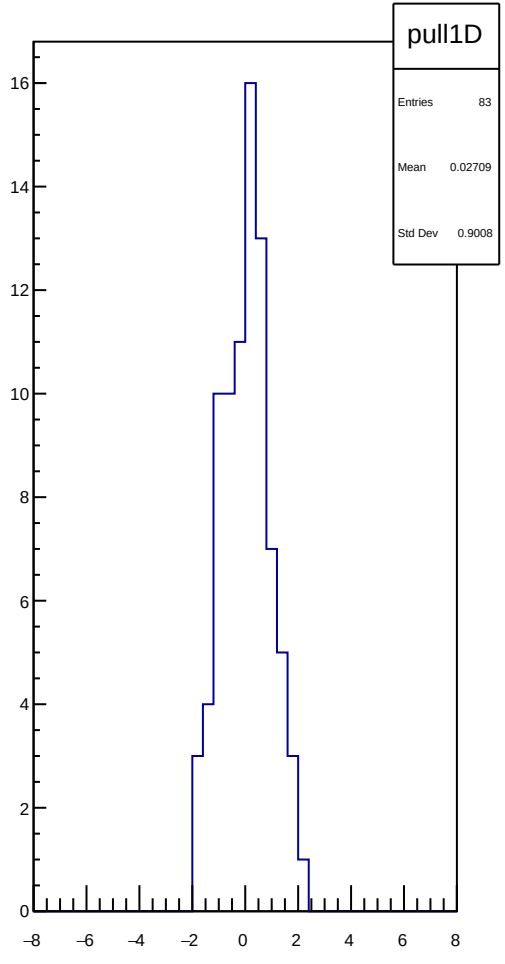

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.194e+05 / 82
p0 3.589e−12 ± 3.334e−15
20
18
16
14
12
10
8
6
4
2

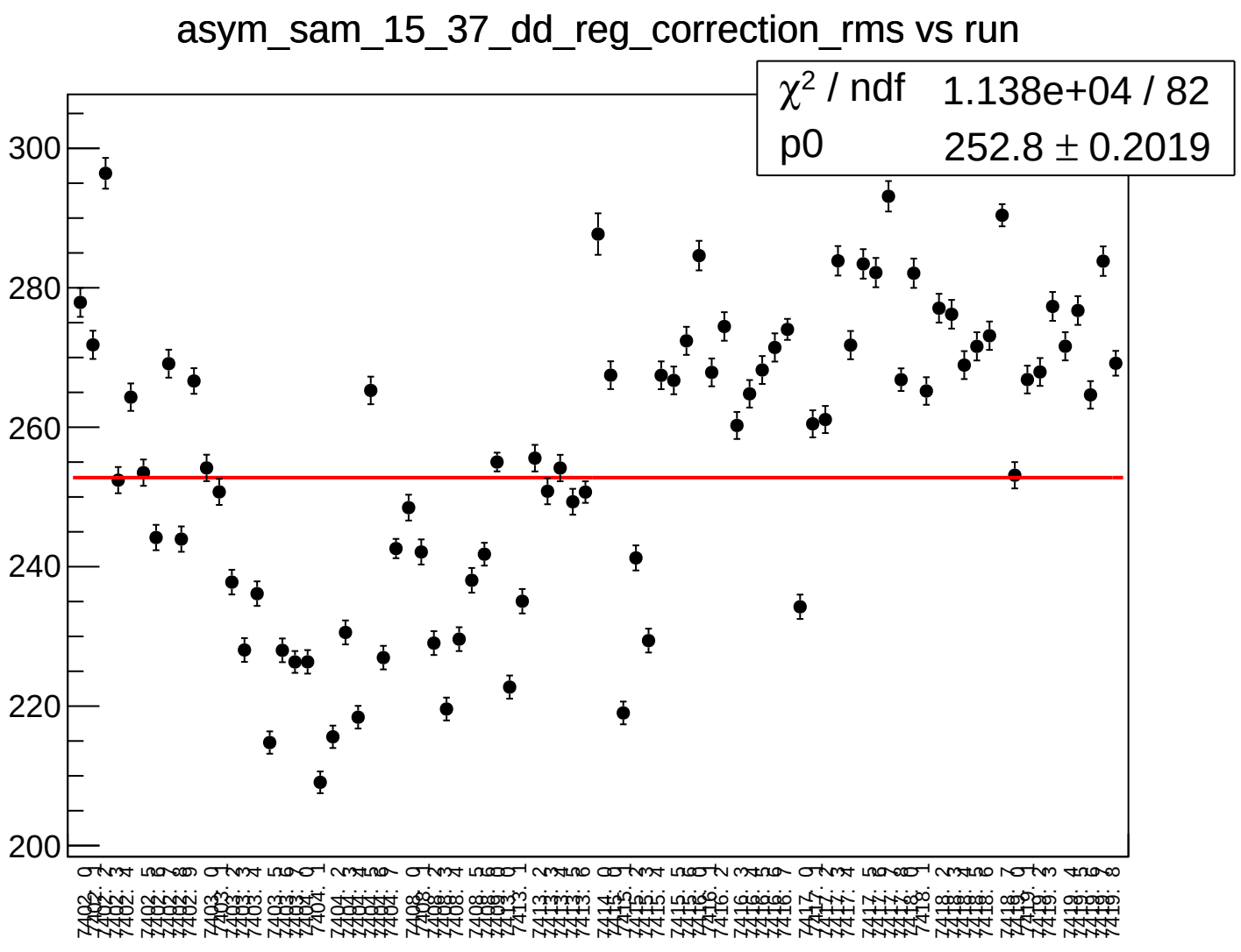

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.14 / 82
p0 −52.37 ± 44.83
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean 207.1
Std Dev 0
2
1
0
−1
−2

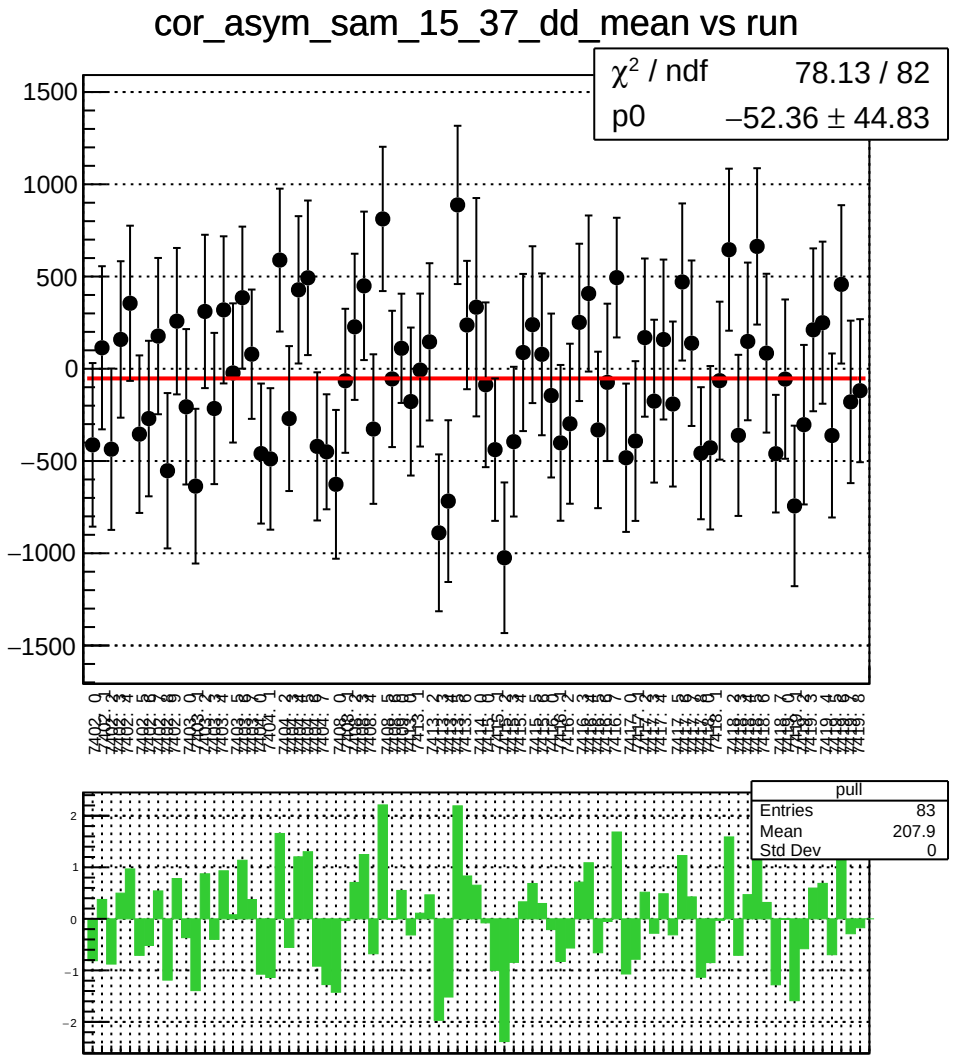

pull1D
Entries 83
Mean 0.001729
Std Dev 0.9703
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

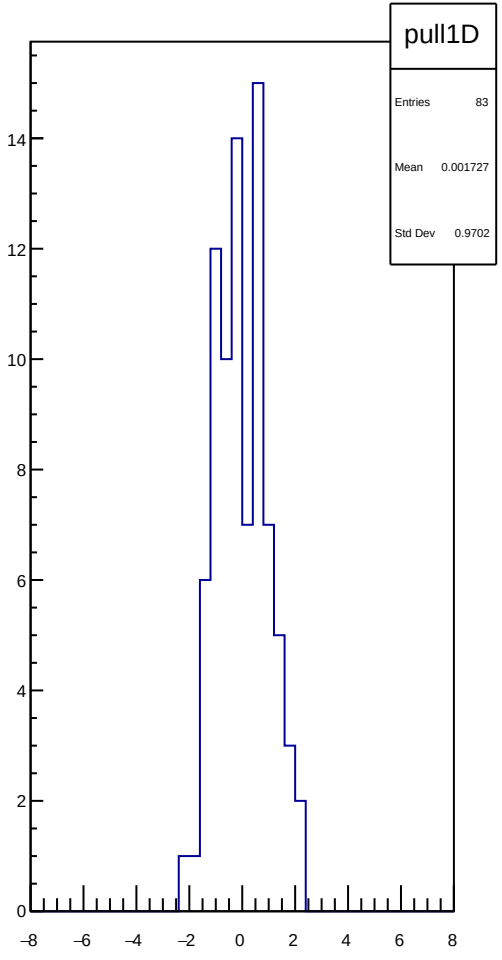

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 3204 / 82
p0 39.78 ± 0.0317
43
42
41
40
39
38
37
36
35

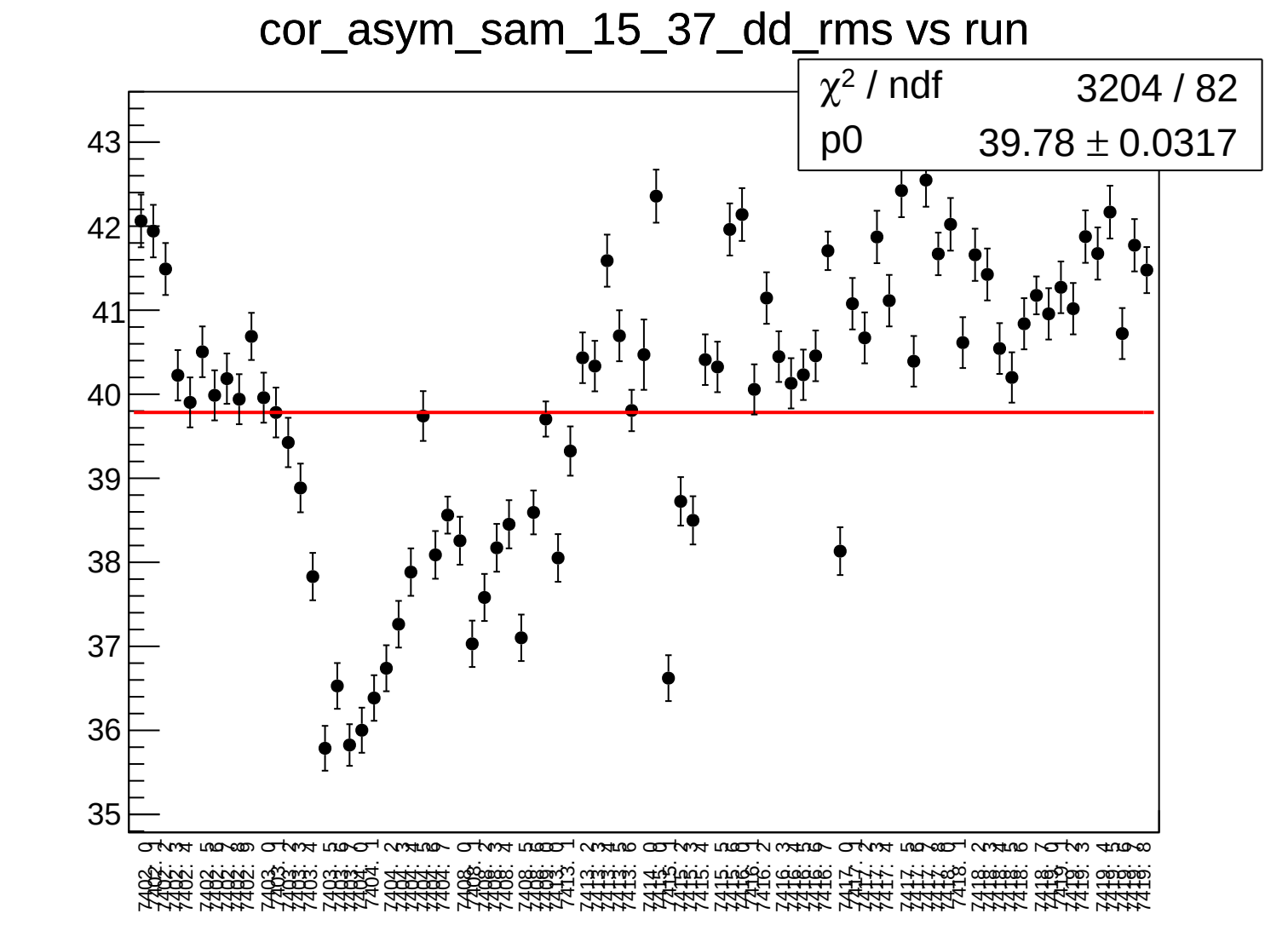

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 67.41 / 82
p0 202.5 ± 285.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 95.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

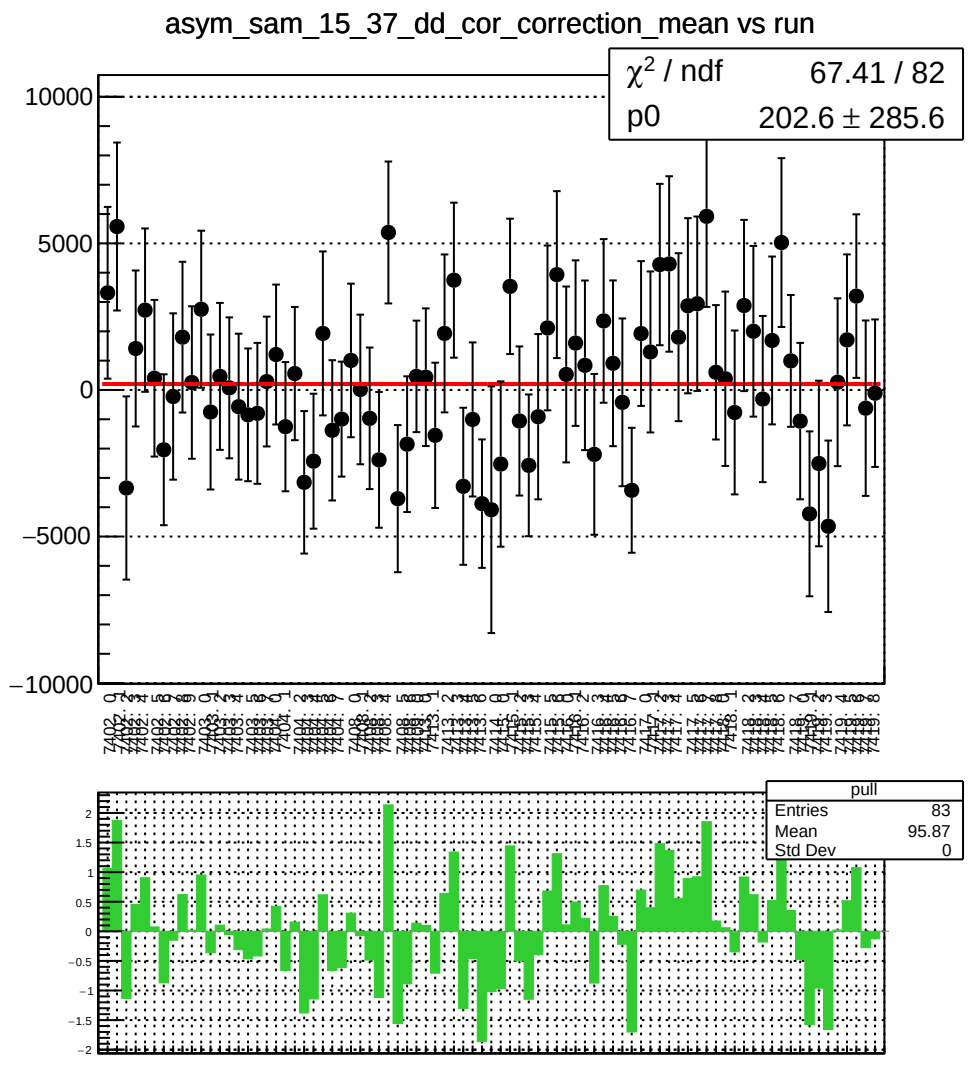

pull1D
Entries 83
Mean 0.02709
Std Dev 0.9008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

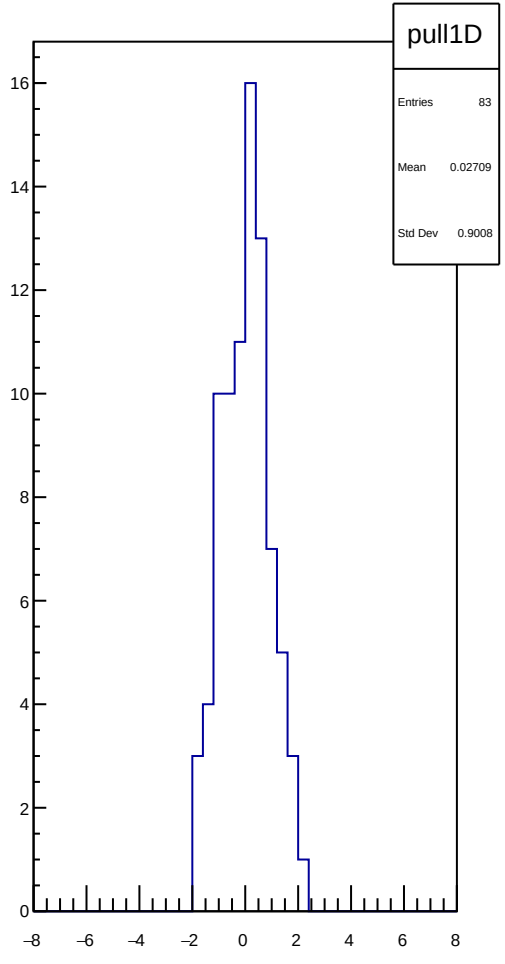

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 1.138e+04 / 82
p0 252.8 ± 0.2019
300
280
260
240
220
200

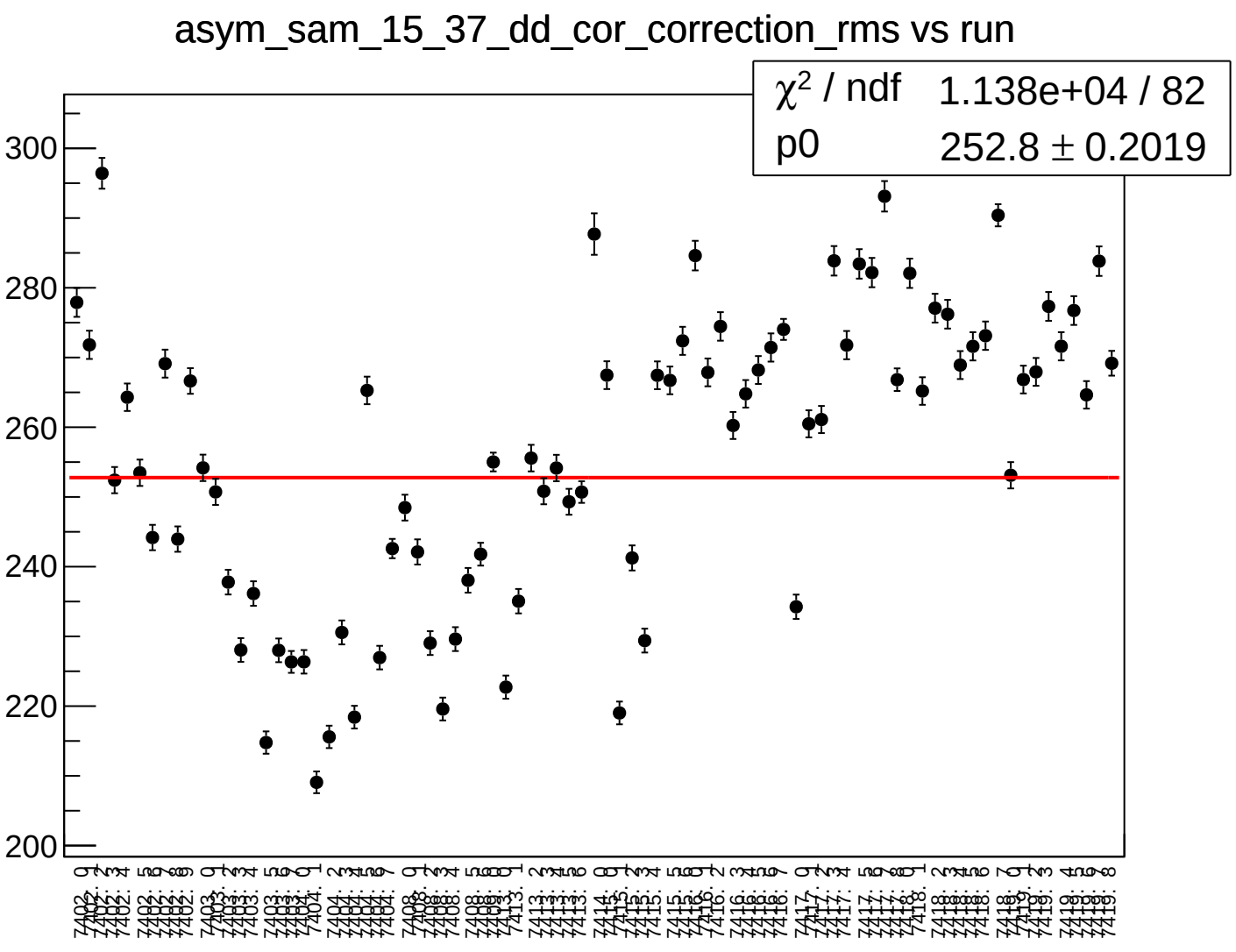

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.13 / 82
p0 −52.36 ± 44.83
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean 207.9
Std Dev 0
2
1
0
−1
−2

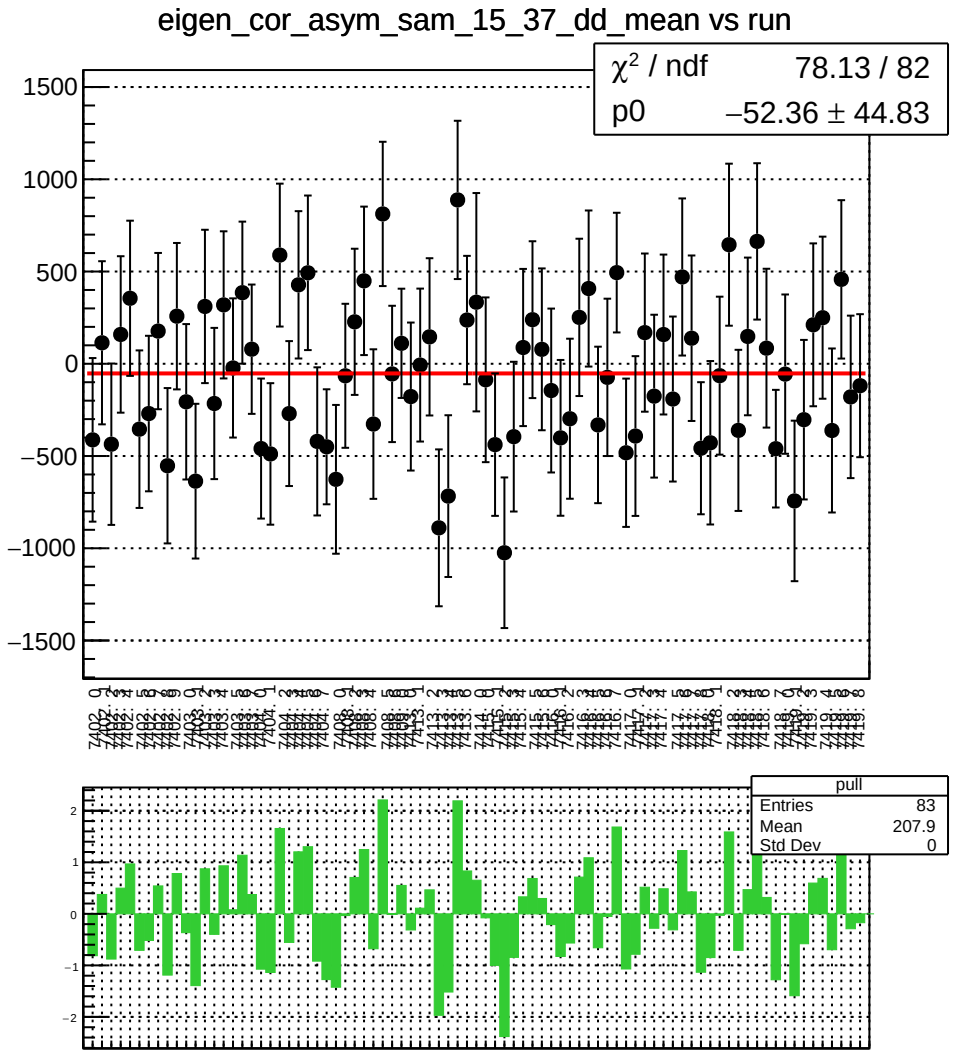

pull1D
Entries 83
Mean 0.001727
Std Dev 0.9702
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

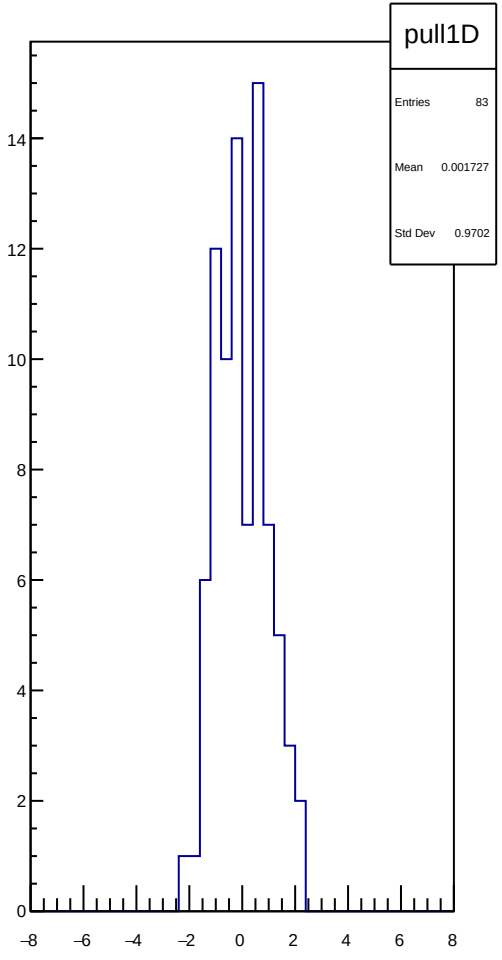

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 3204 / 82
p0 39.78 ± 0.0317
43
42
41
40
39
38
37
36
35

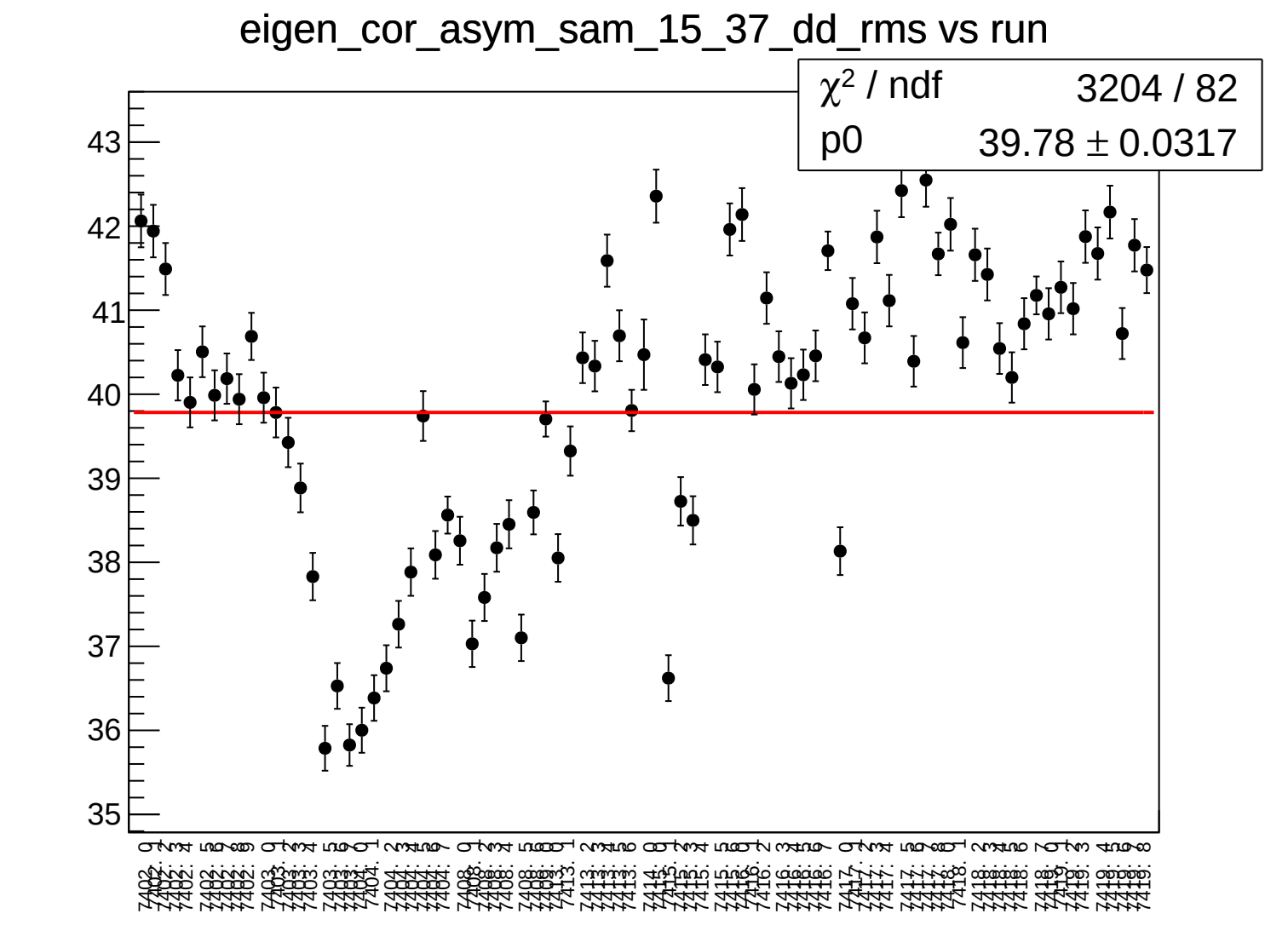

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 67.41 / 82
p0 202.6 ± 285.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 95.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

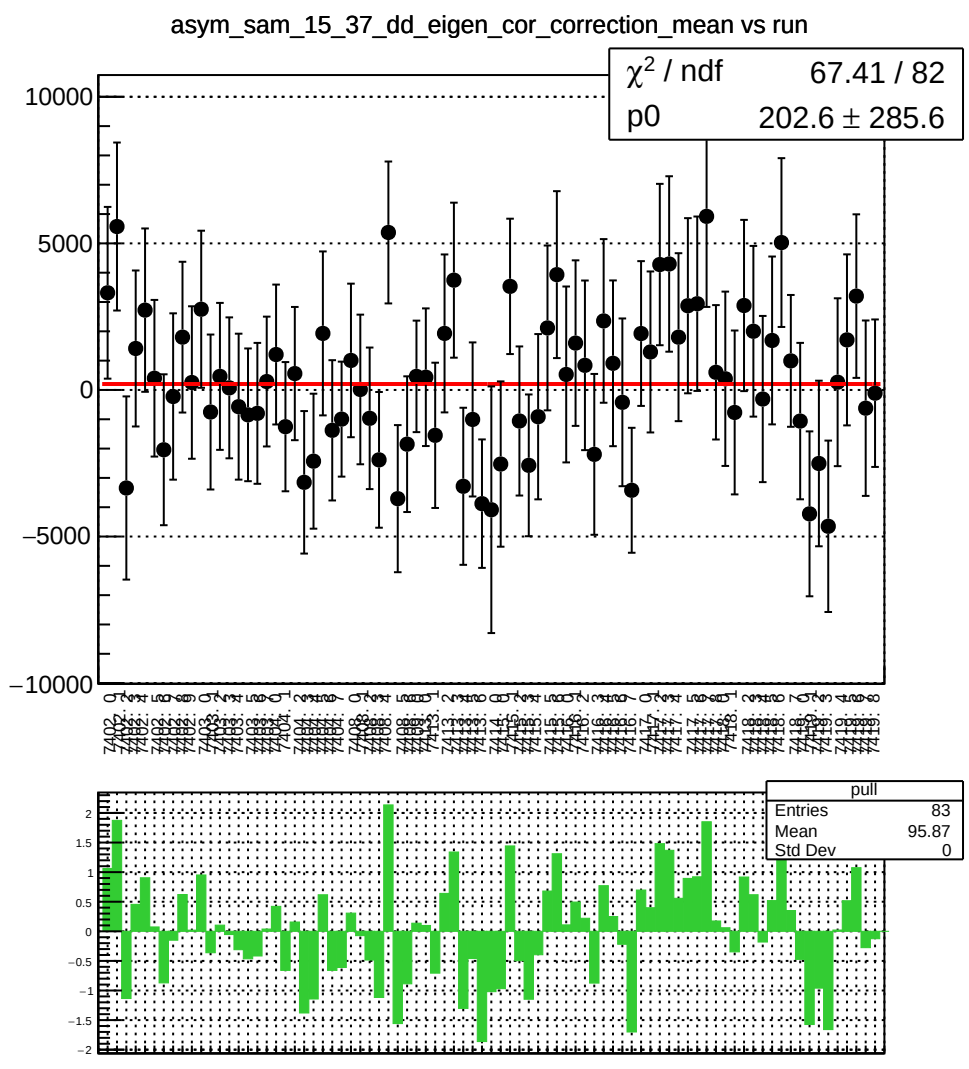

pull1D
Entries 83
Mean 0.02709
Std Dev 0.9008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

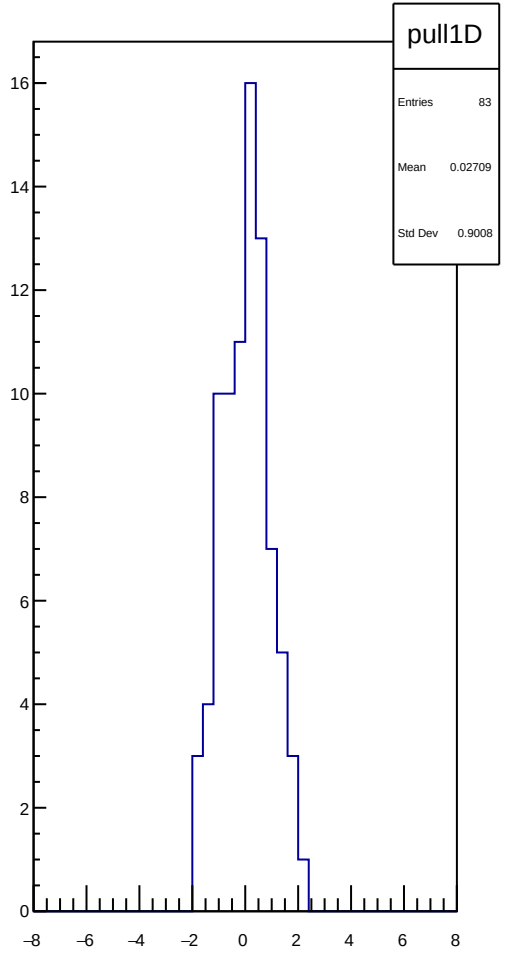

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 1.138e+04 / 82
p0 252.8 ± 0.2019
300
280
260
240
220
200

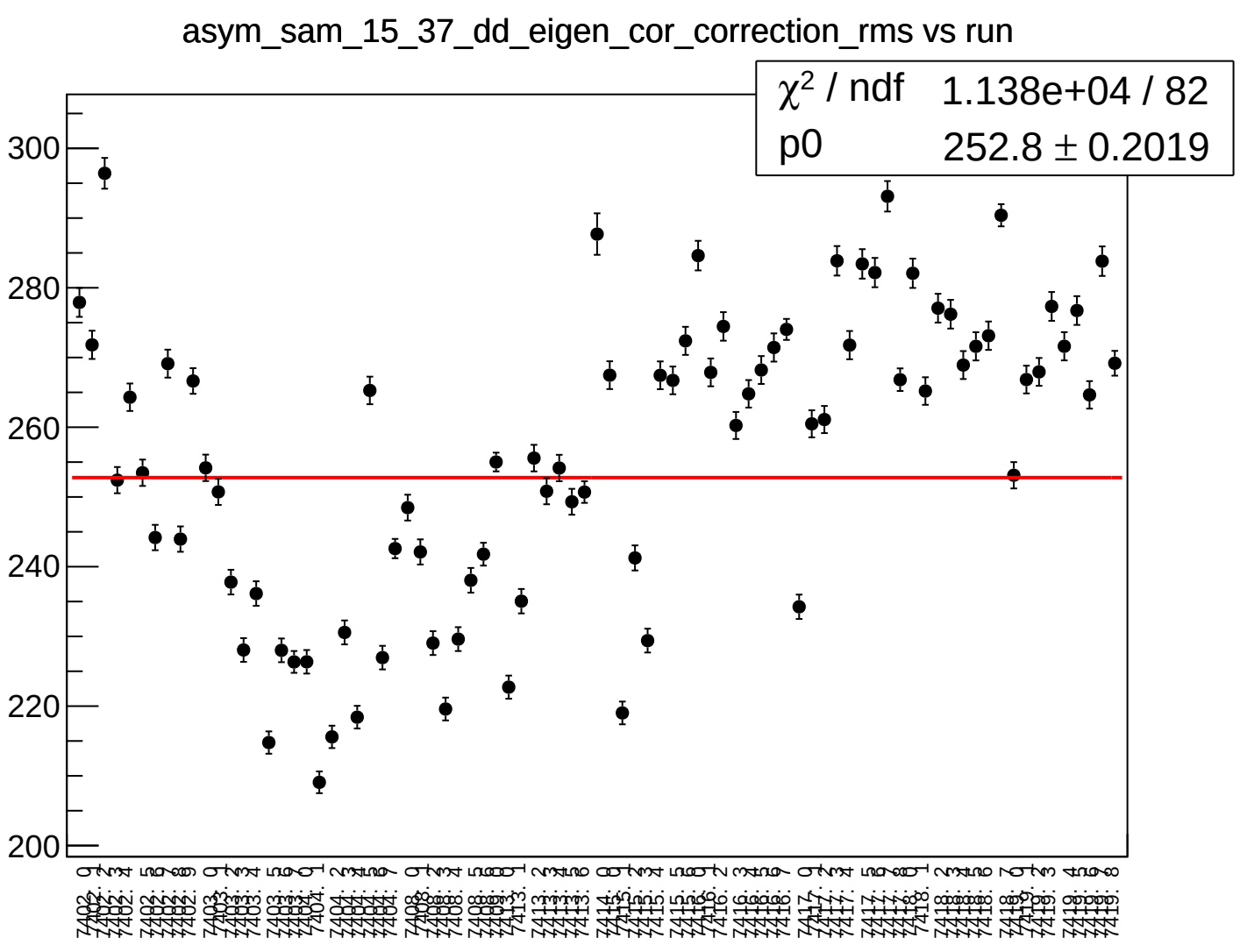

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.13 / 82
p0 −52.36 ± 44.83
pull
Entries 83
Mean 207.9
Std Dev 0

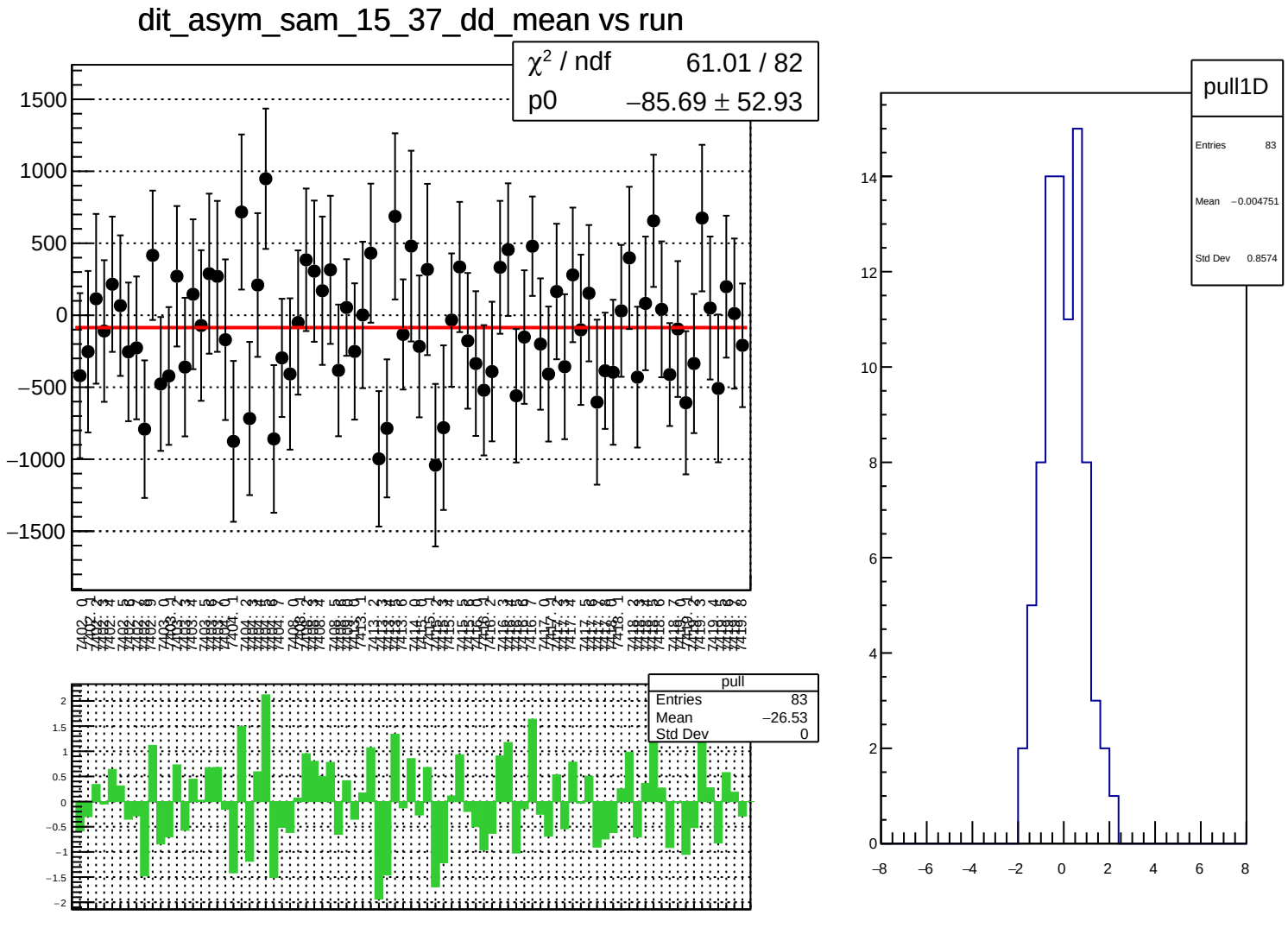

pull1D
Entries 83
Mean 0.001727
Std Dev 0.9702

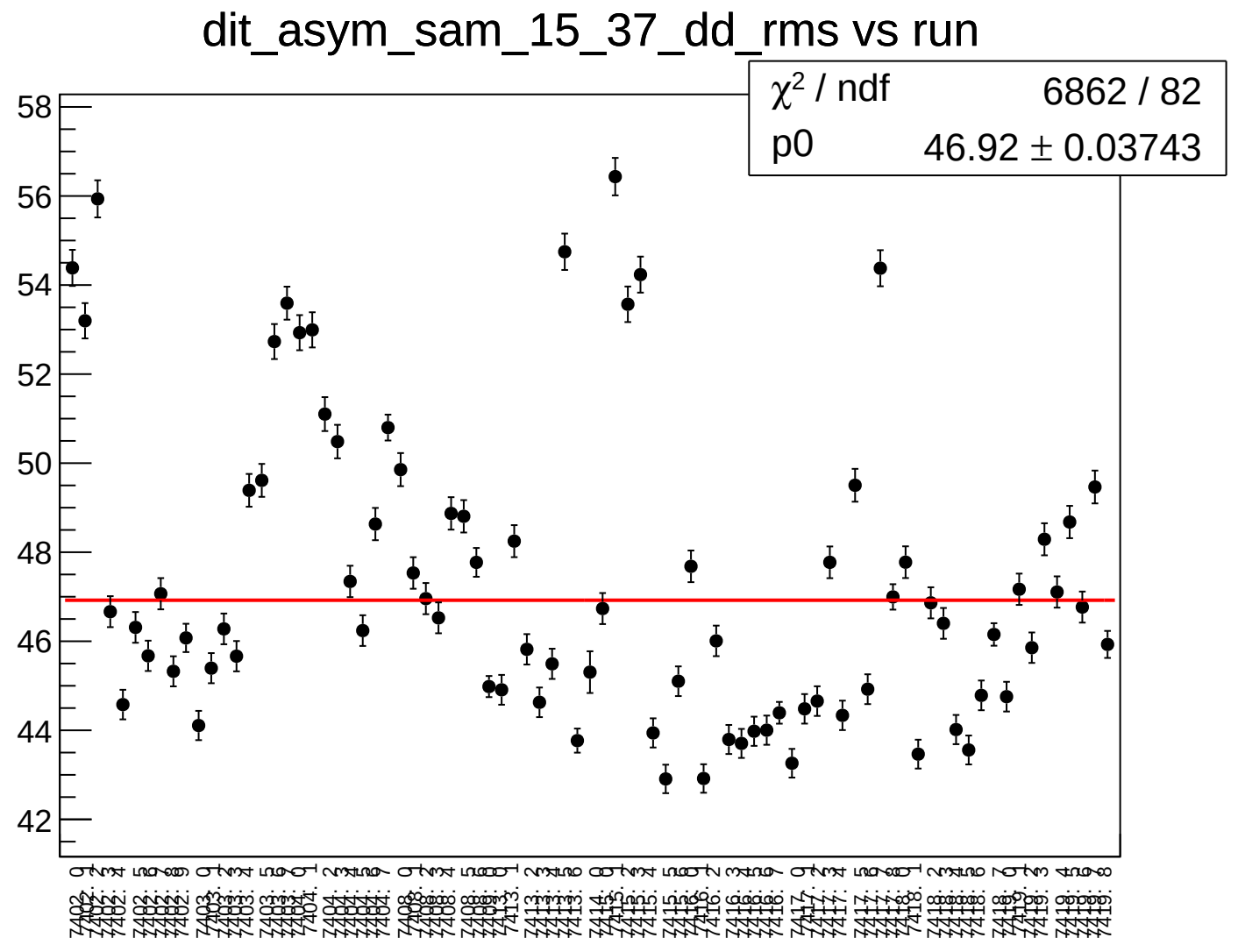

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 3204 / 82
p0 39.78 ± 0.0317
43
42
41
40
39
38
37
36
35

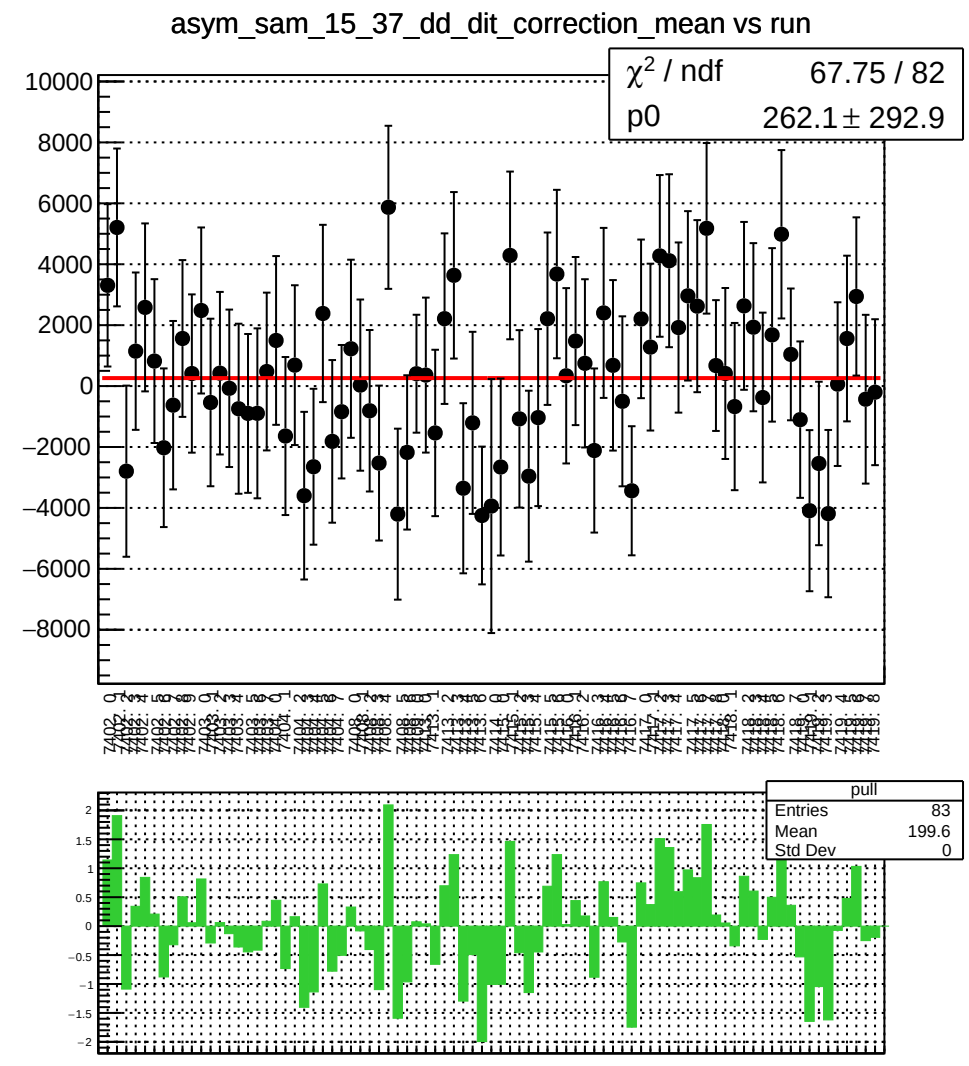

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.41 / 82
p0 202.6 ± 285.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 95.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

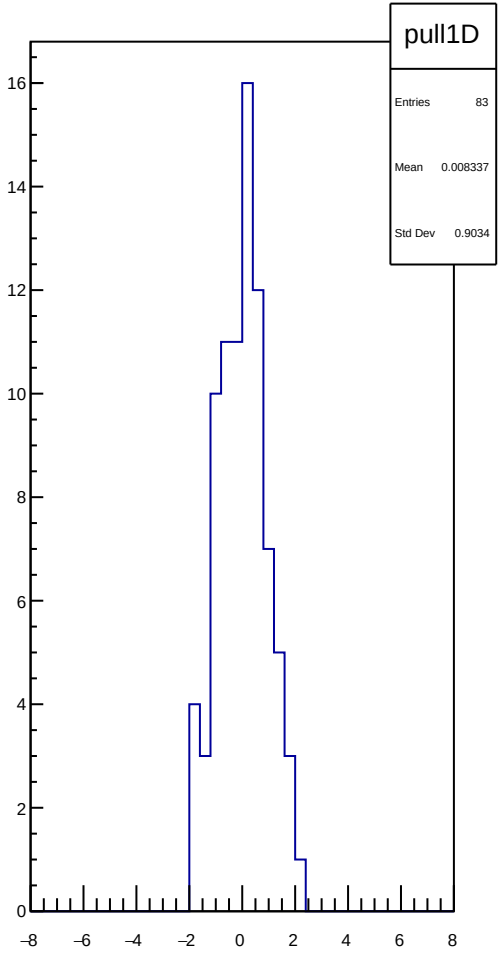

pull1D
Entries 83
Mean 0.02709
Std Dev 0.9008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

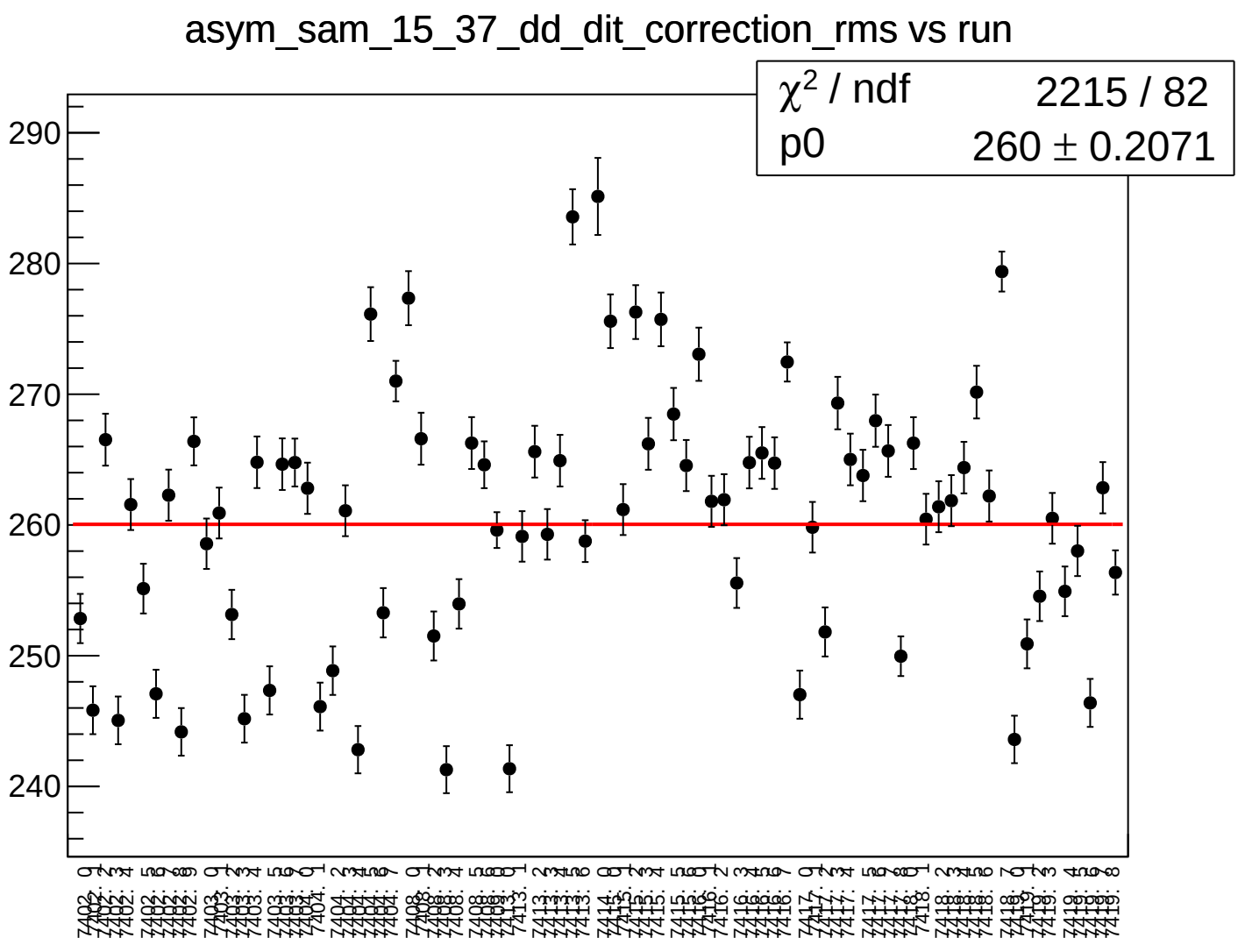

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.138e+04 / 82
p0 252.8 ± 0.2019
300
280
260
240
220
200

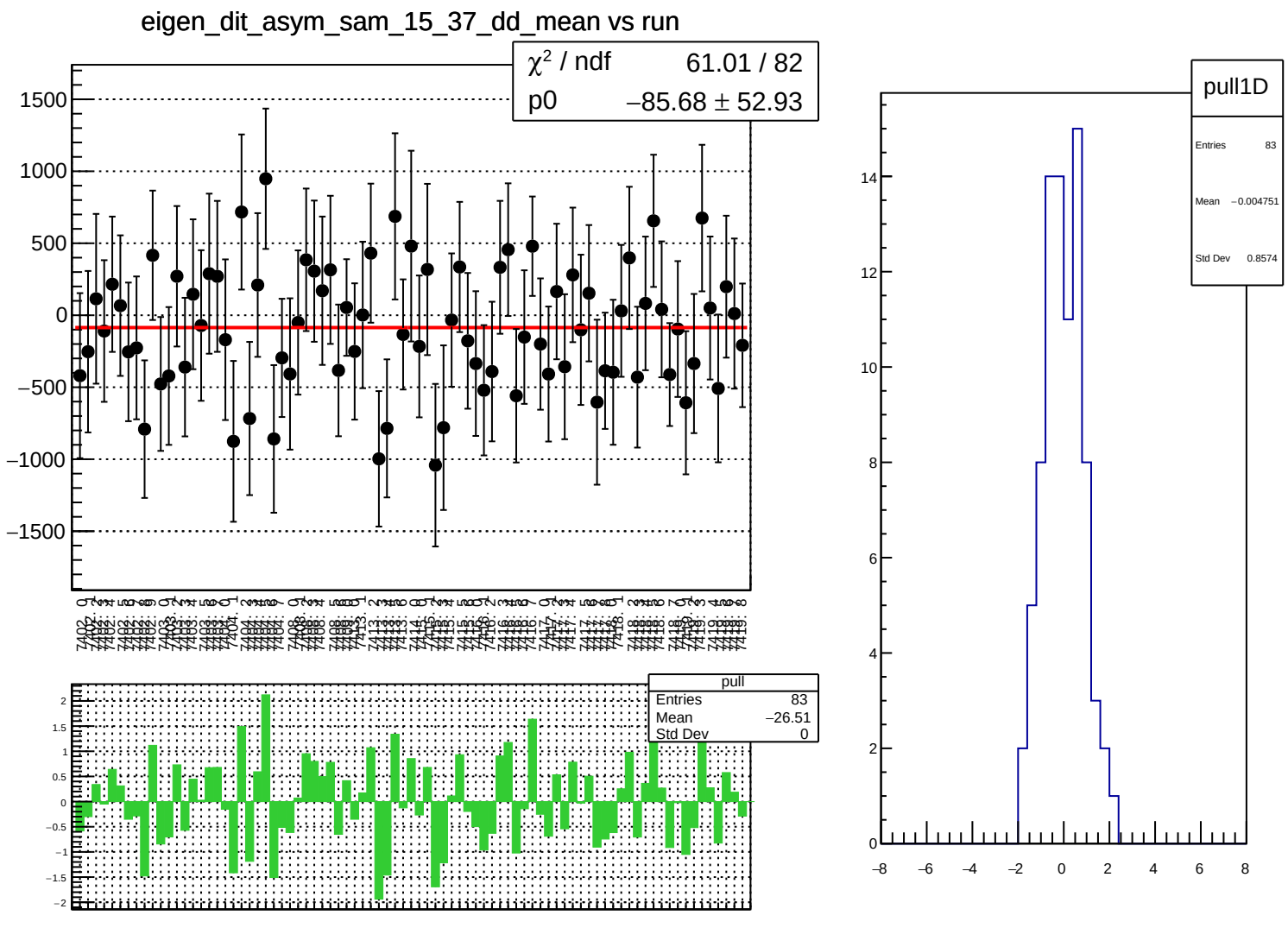

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.01 / 82
p0 −85.69 ± 52.93
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean −26.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.004751
Std Dev 0.8574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

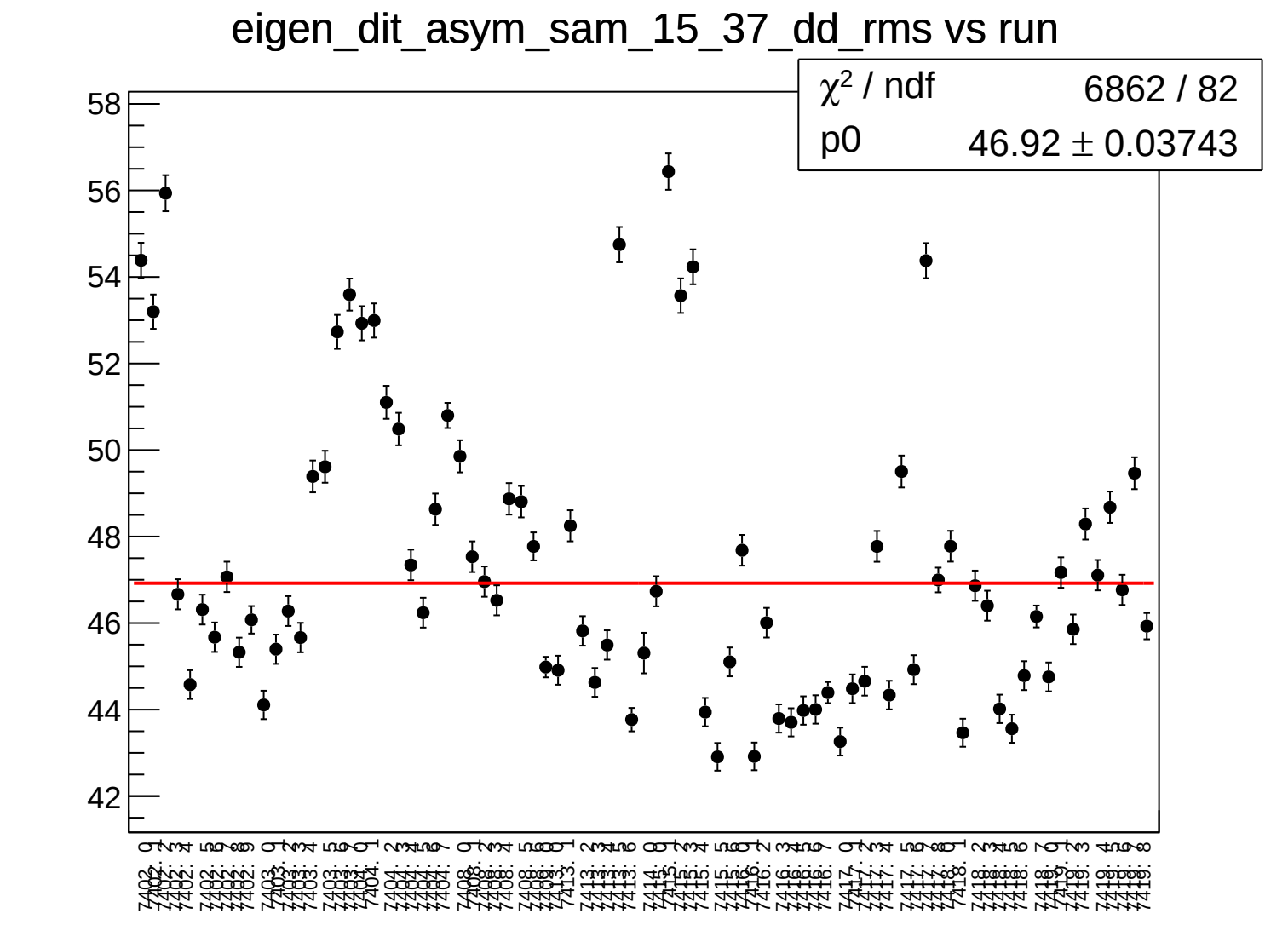

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6862 / 82
p0 46.92 ± 0.03743
58
56
54
52
50
48
46
44
42

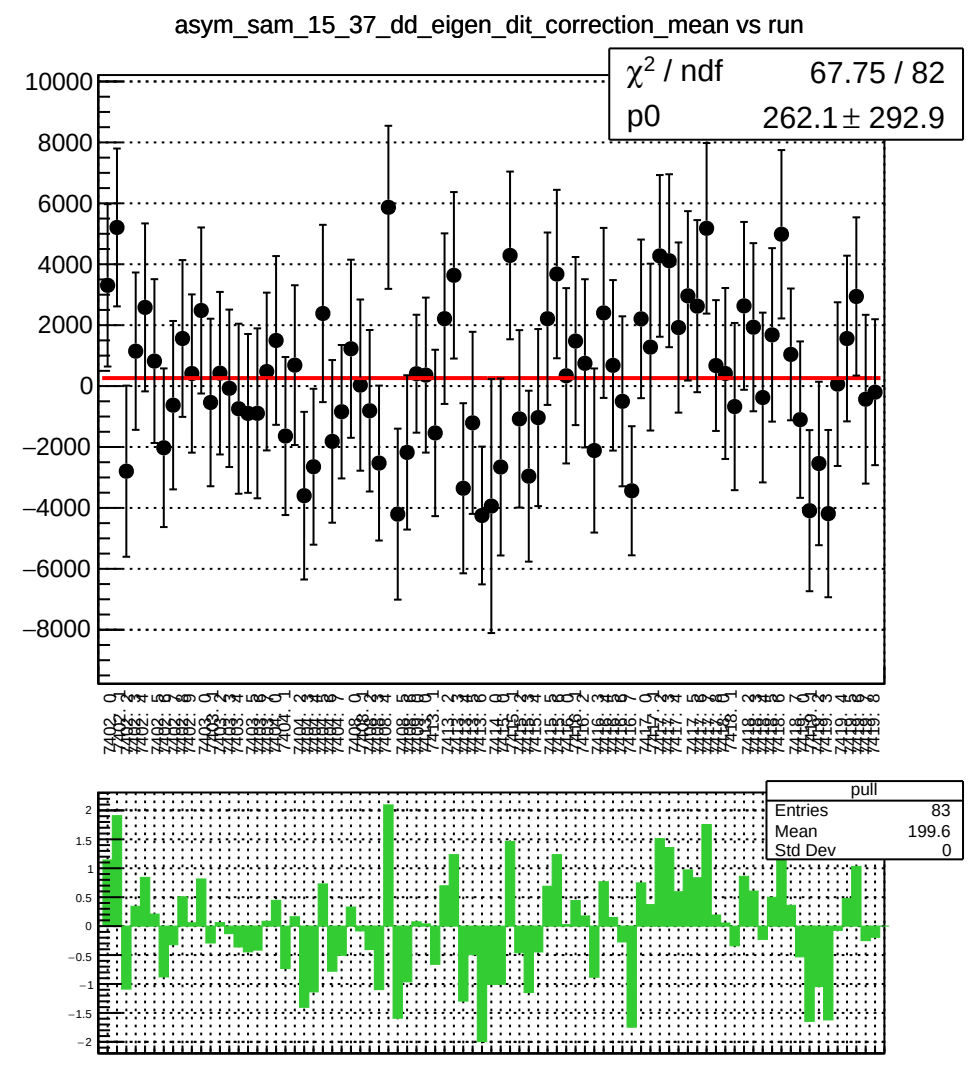

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 67.75 / 82
p0 262.1 ± 292.9
pull
Entries 83
Mean 199.6
Std Dev 0

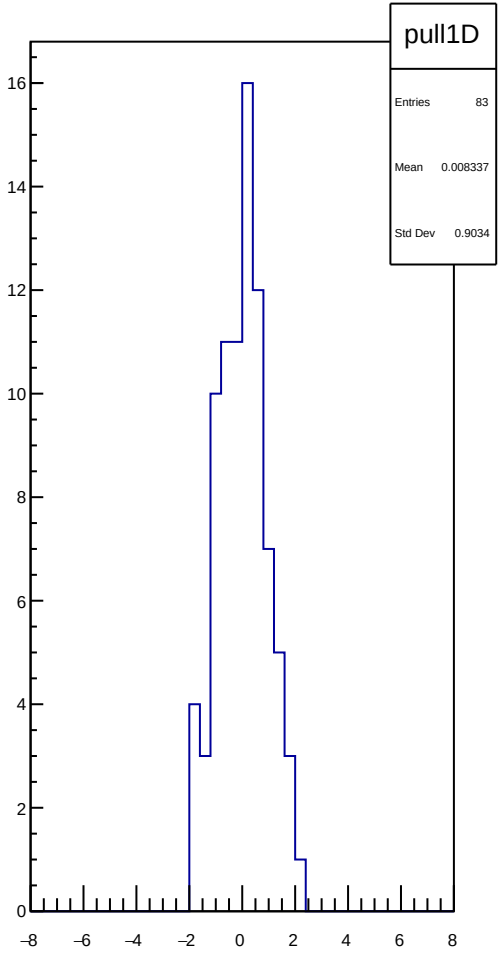

pull1D
Entries 83
Mean 0.008337
Std Dev 0.9034

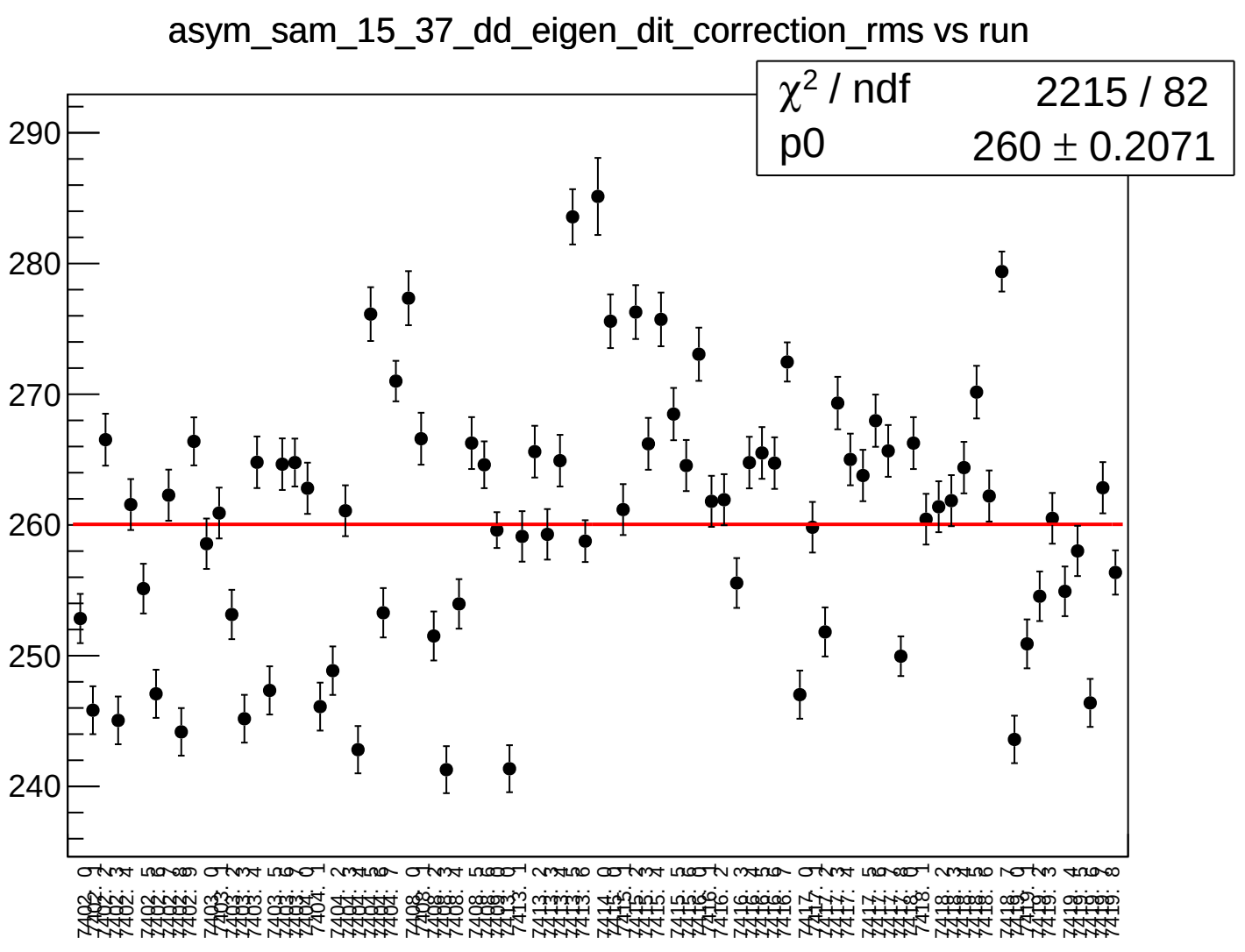

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 2215 / 82
p0 260 ± 0.2071
290
280
270
260
250
240

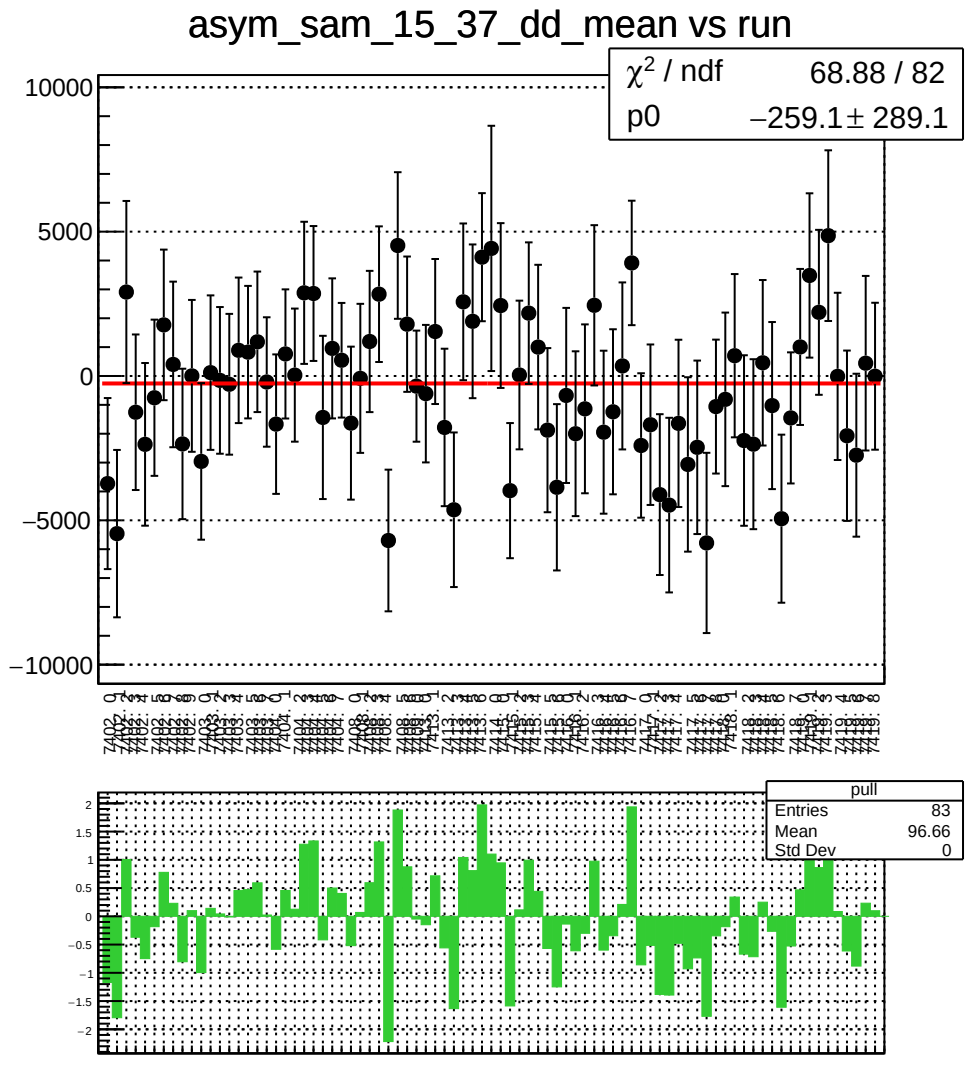

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 61.01 / 82
p0 −85.68 ± 52.93
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean −26.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.004751
Std Dev 0.8574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

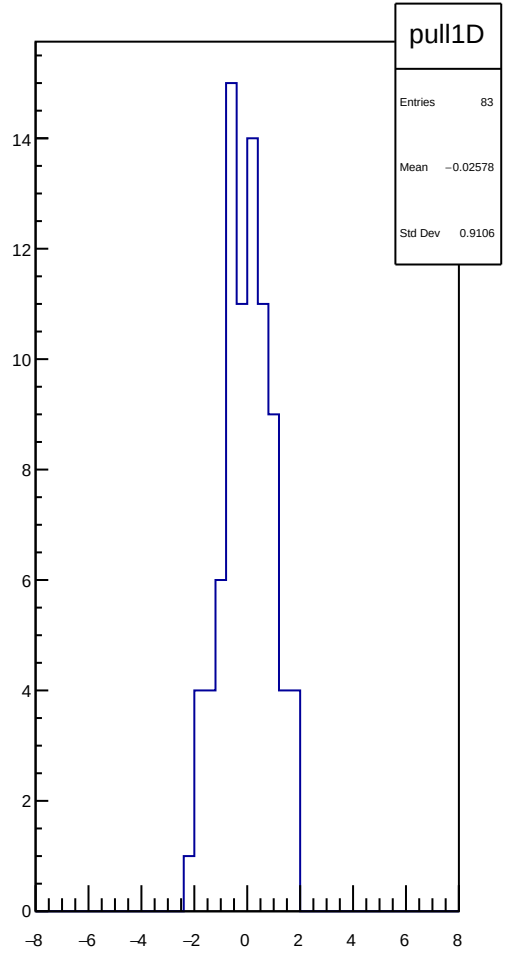

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 6862 / 82
p0 46.92 ± 0.03743
58
56
54
52
50
48
46
44
42

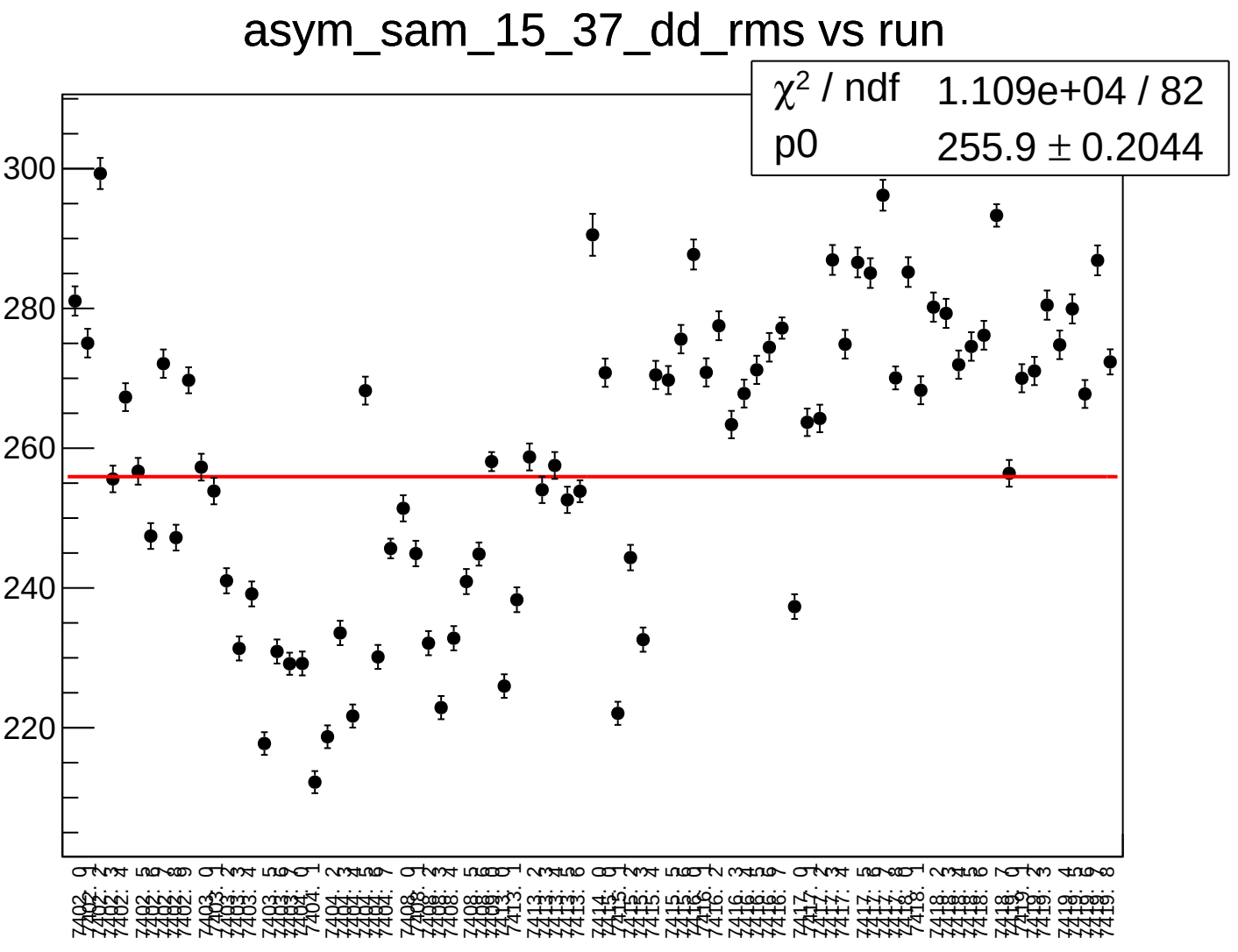

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 67.75 / 82
p0 262.1 ± 292.9
pull
Entries 83
Mean 199.6
Std Dev 0

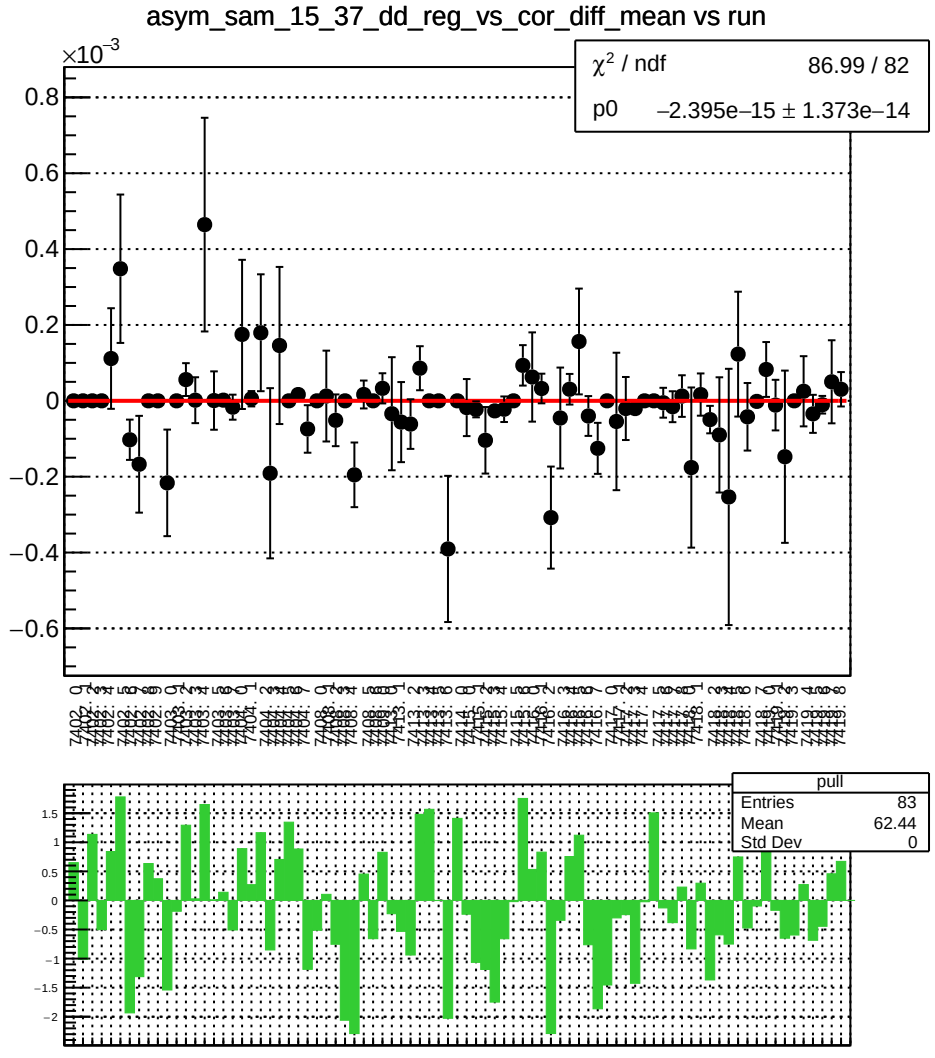

pull1D
Entries 83
Mean 0.008337
Std Dev 0.9034

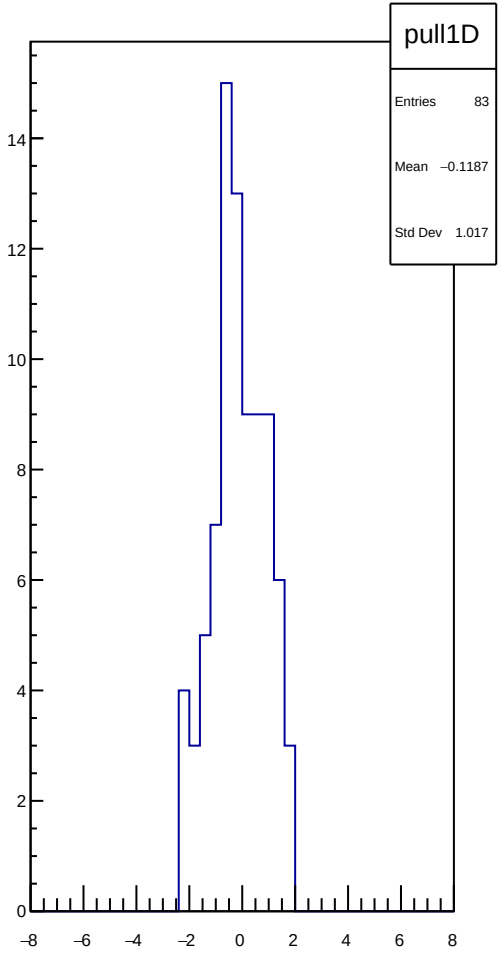

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2215 / 82
p0 260 ± 0.2071
290
280
270
260
250
240

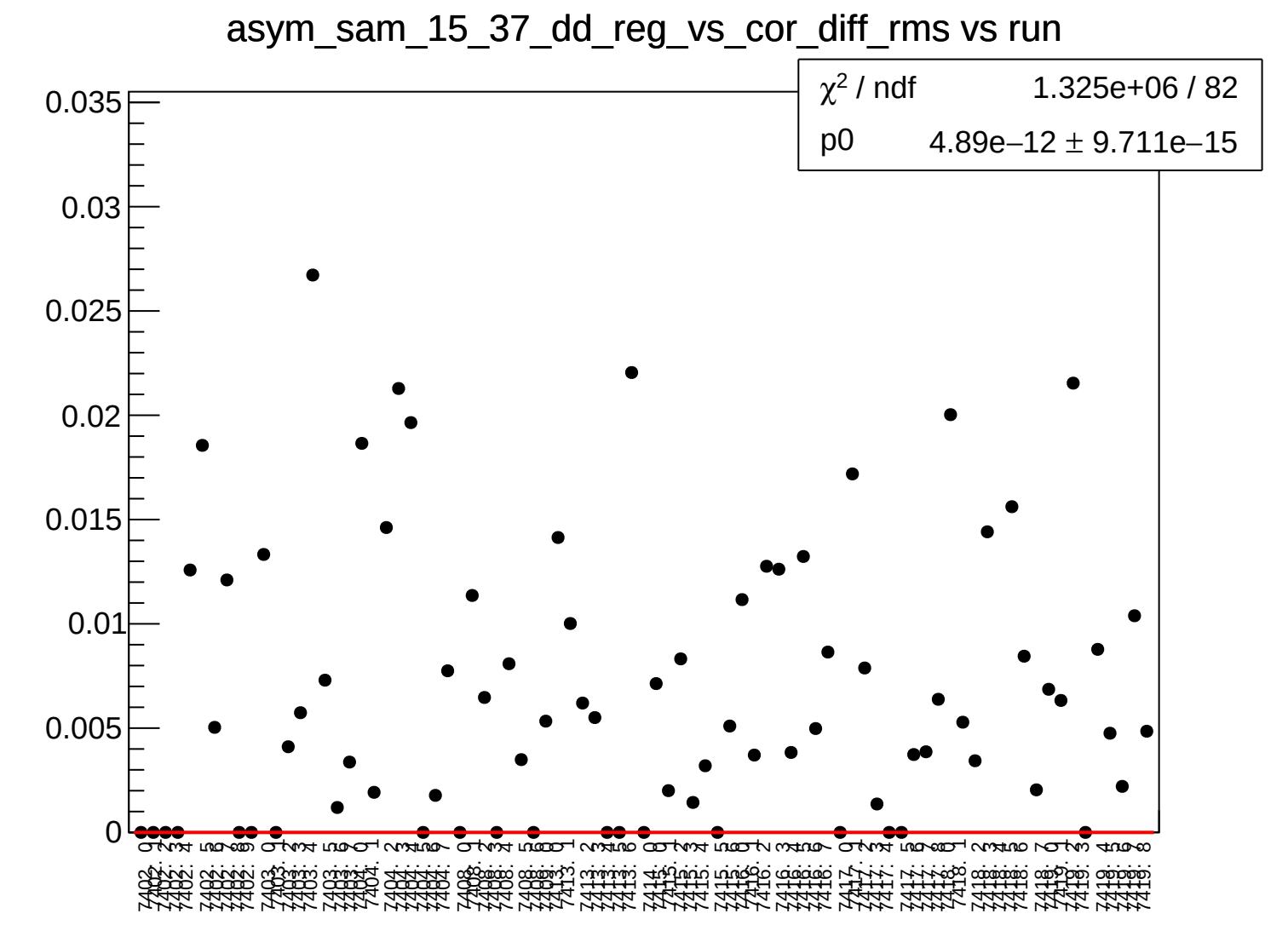

asym_sam_15_37_dd_mean vs run
χ² / ndf 68.88 / 82
p0 −259.1 ± 289.1
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 96.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

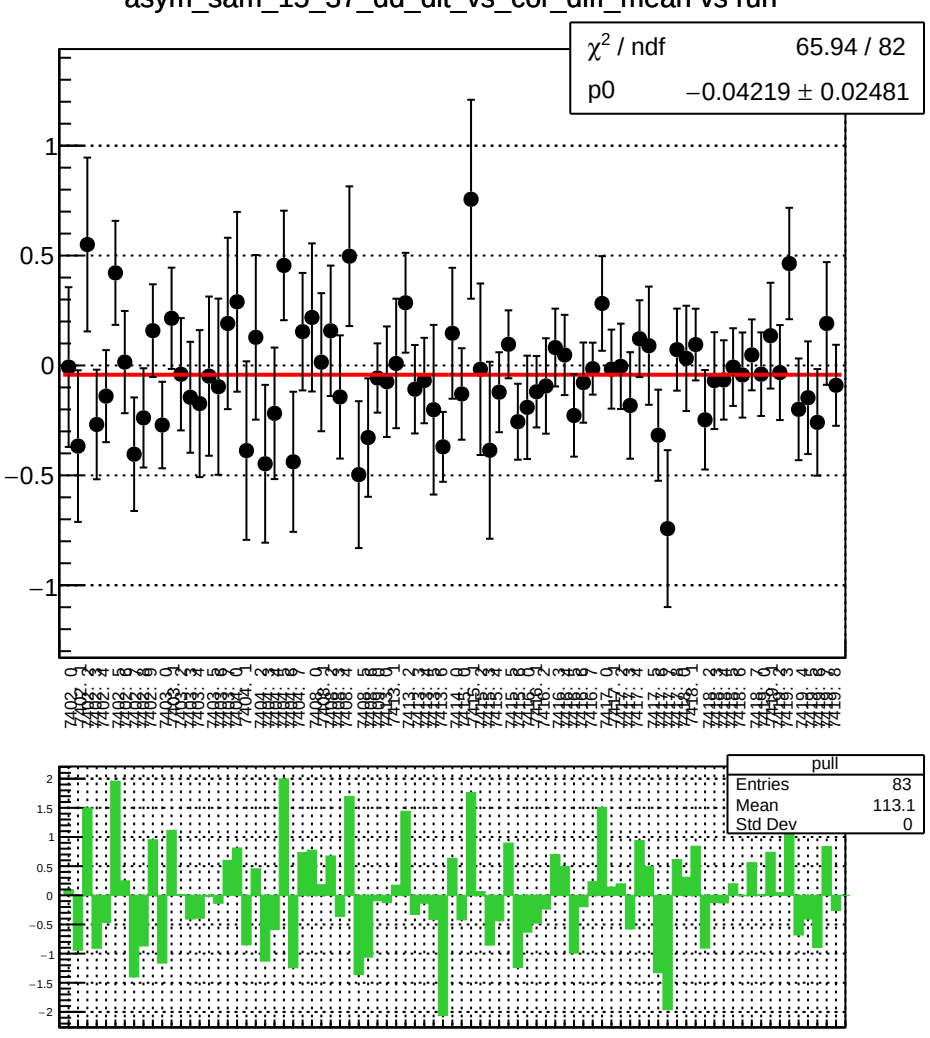

pull1D
Entries 83
Mean −0.02578
Std Dev 0.9106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

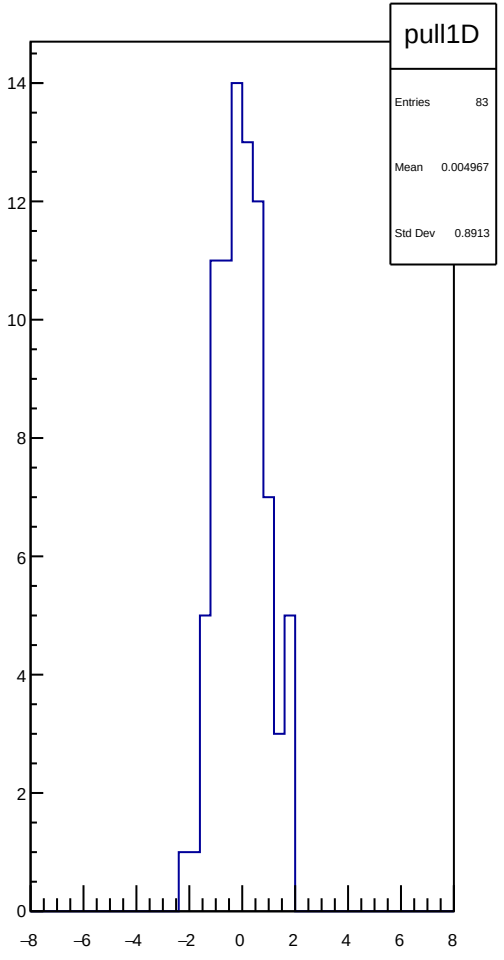

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.109e+04 / 82
p0 255.9 ± 0.2044
300
280
260
240
220

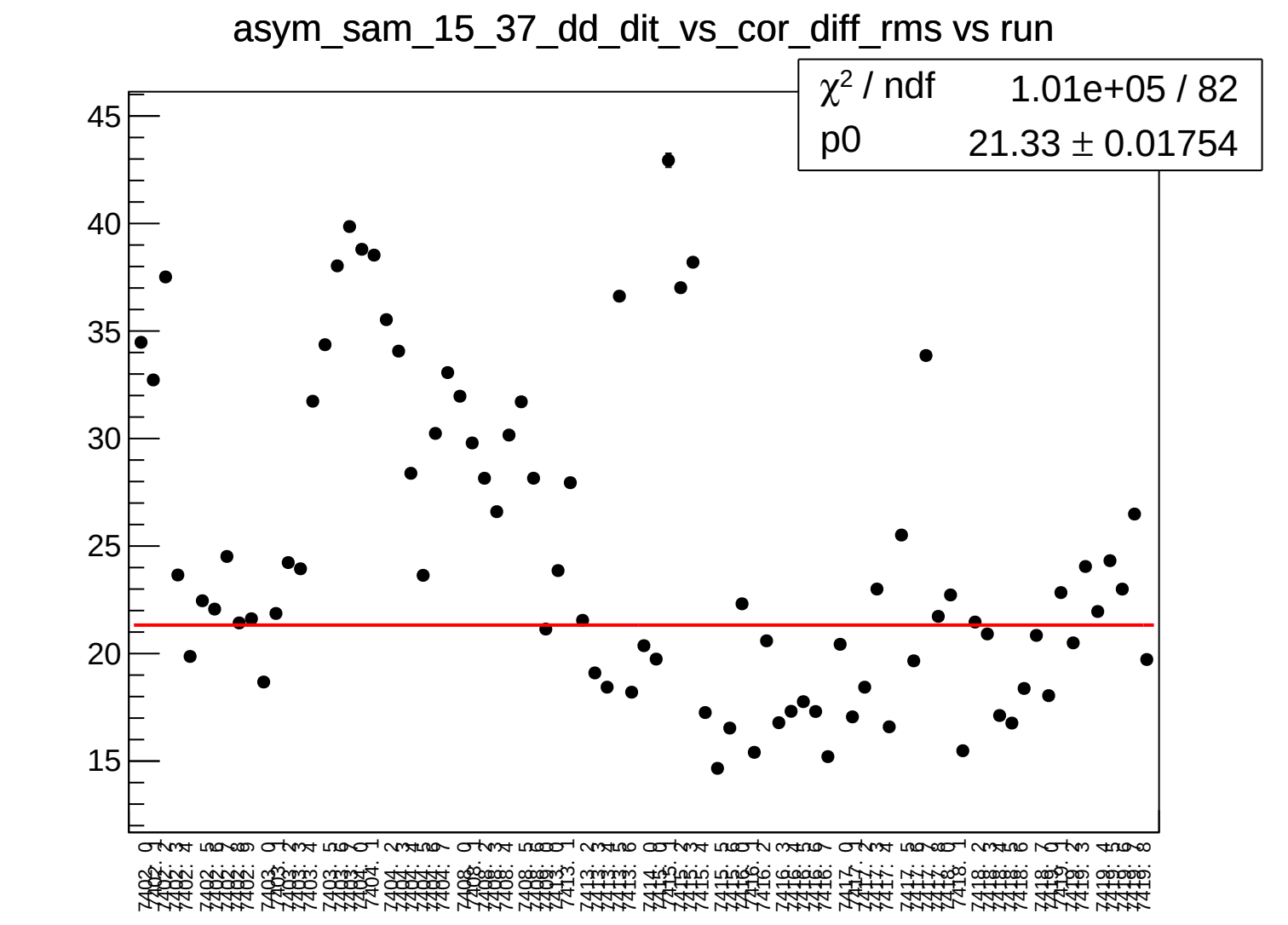

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 86.99 / 82
p0 −2.395e−15 ± 1.373e−14
pull
Entries 83
Mean 62.44
Std Dev 0

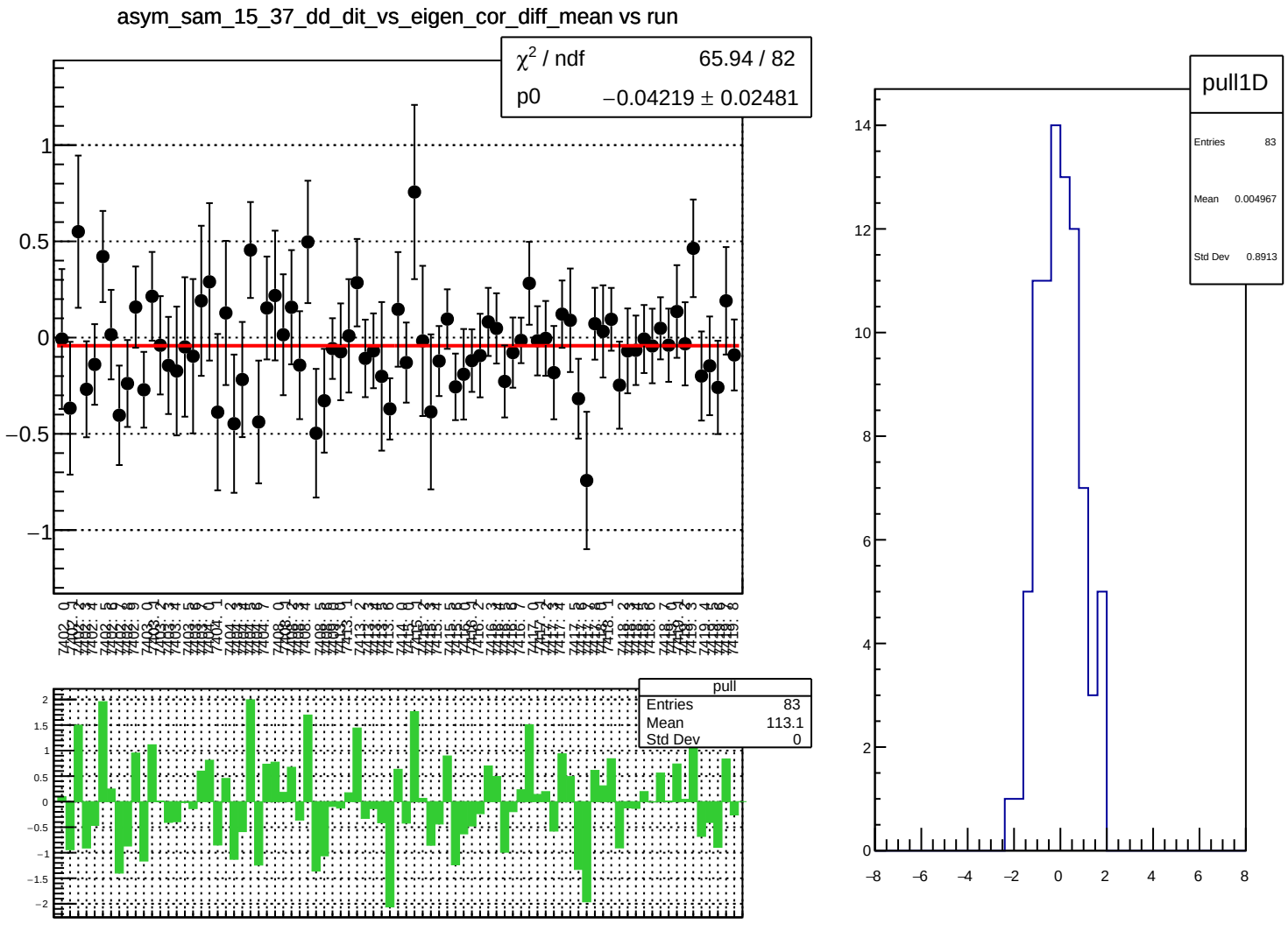

pull1D
Entries 83
Mean −0.1187
Std Dev 1.017

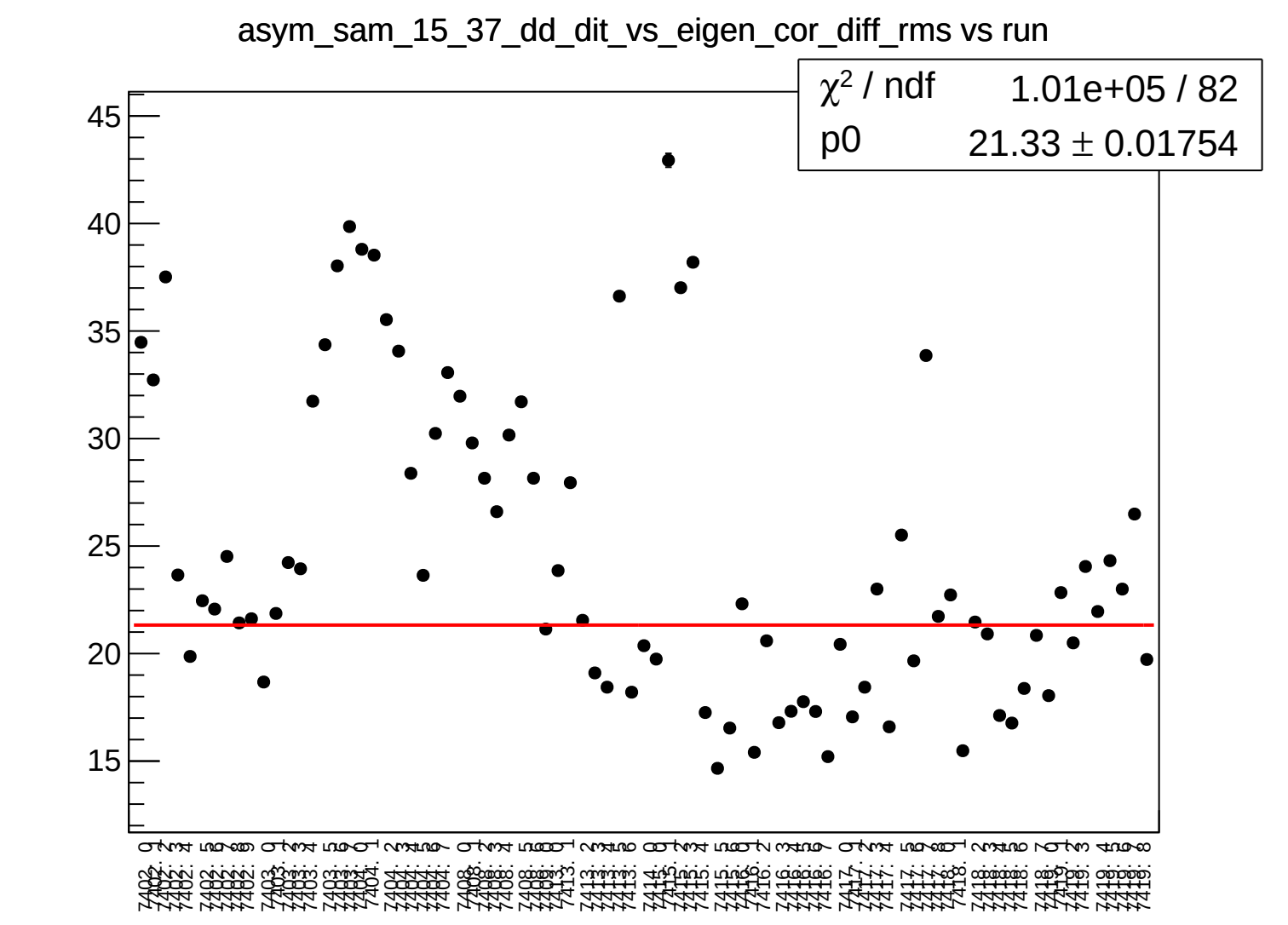

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.325e+06 / 82
p0 4.89e−12 ± 9.711e−15
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

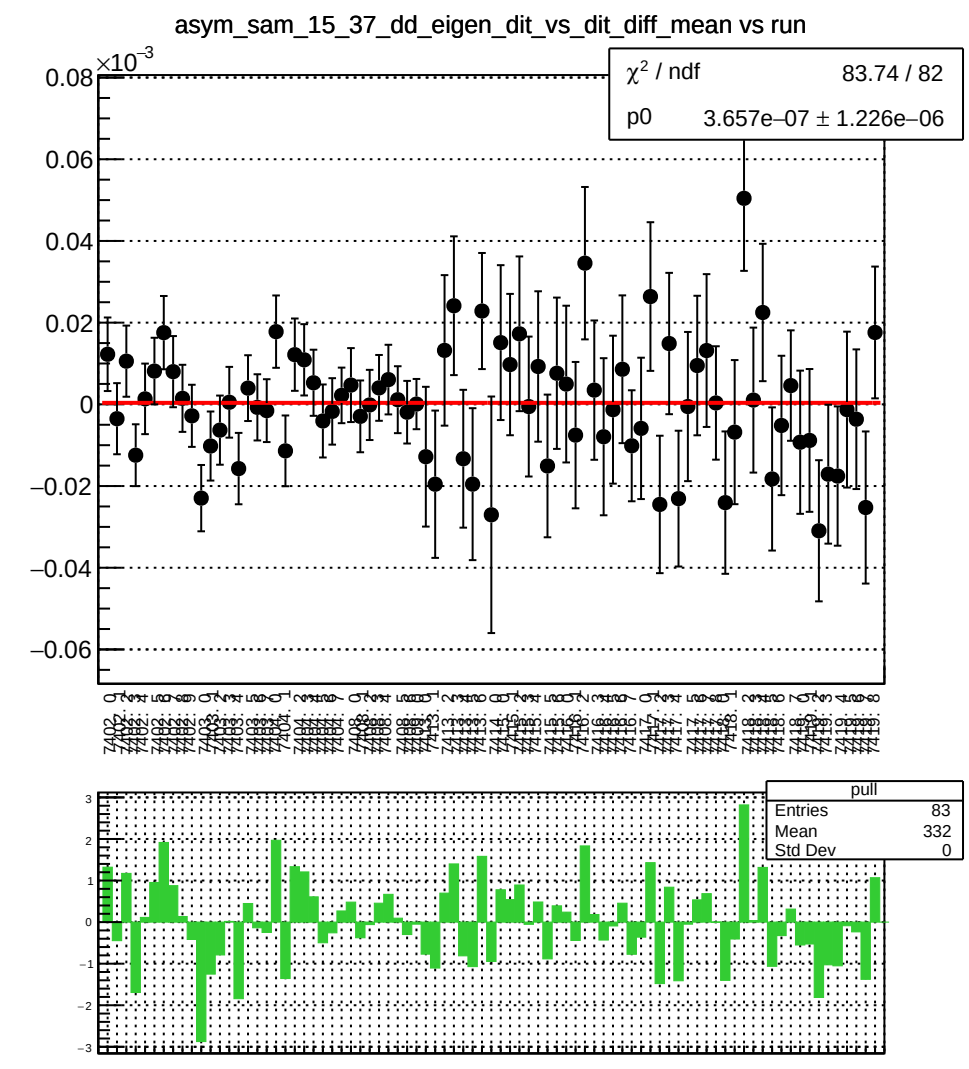

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.94 / 82
p0 −0.04219 ± 0.02481
pull
Entries 83
Mean 113.1
Std Dev 0

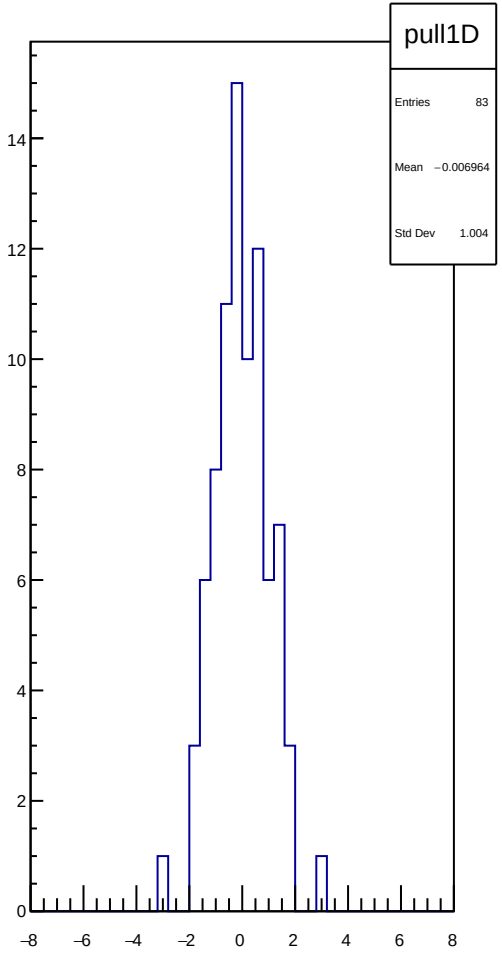

pull1D
Entries 83
Mean 0.004967
Std Dev 0.8913

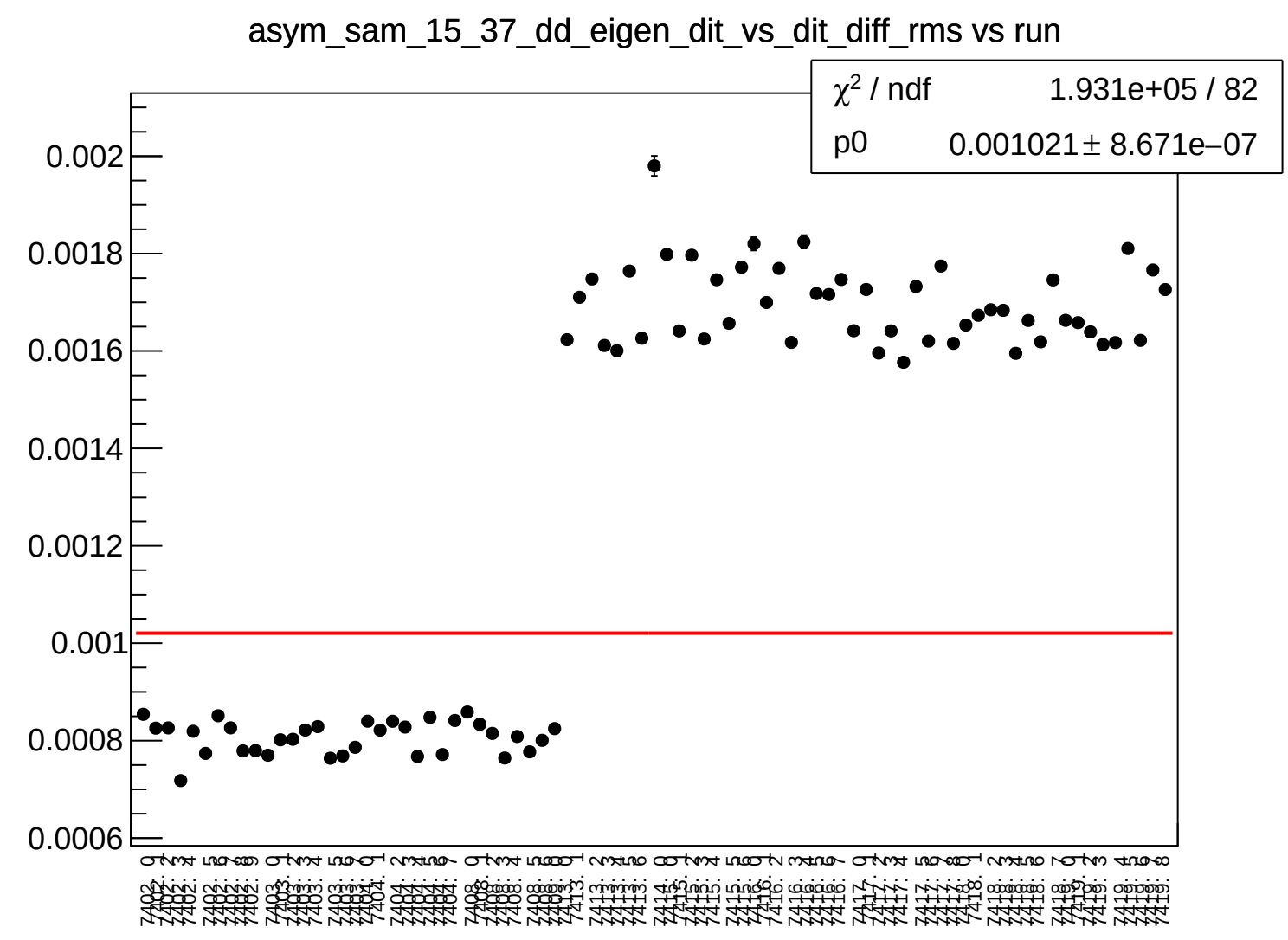

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 82
p0 21.33 ± 0.01754
45
40
35
30
25
20
15

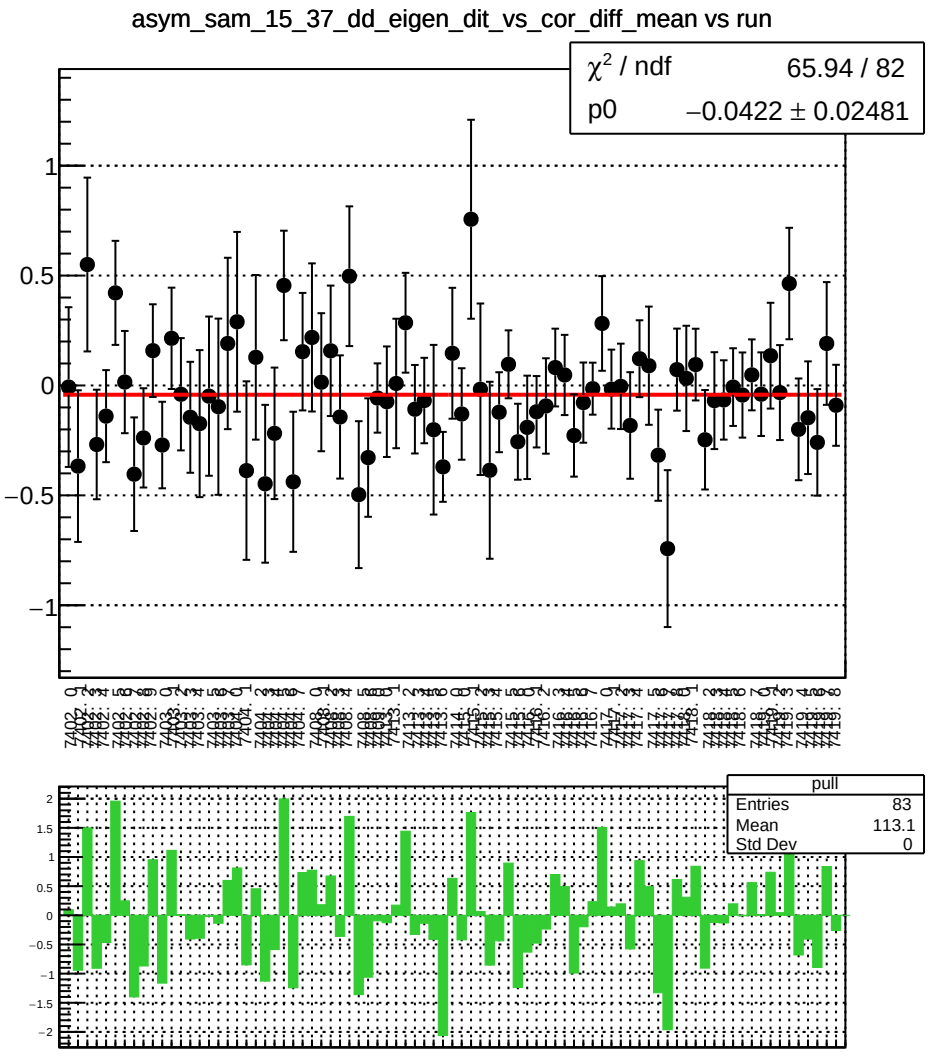

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.94 / 82
p0 −0.04219 ± 0.02481
pull
Entries 83
Mean 113.1
Std Dev 0
pull1D
Entries 83
Mean 0.004967
Std Dev 0.8913

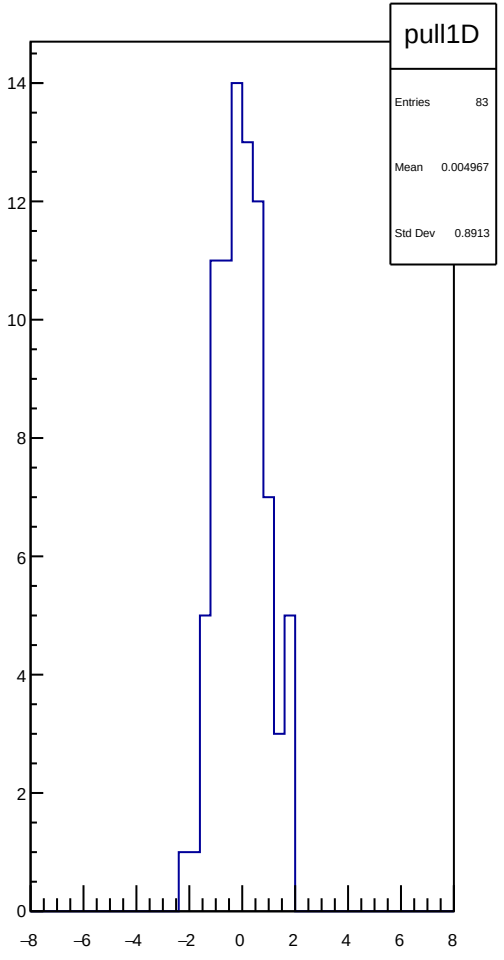

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 82
p0 21.33 ± 0.01754
45
40
35
30
25
20
15

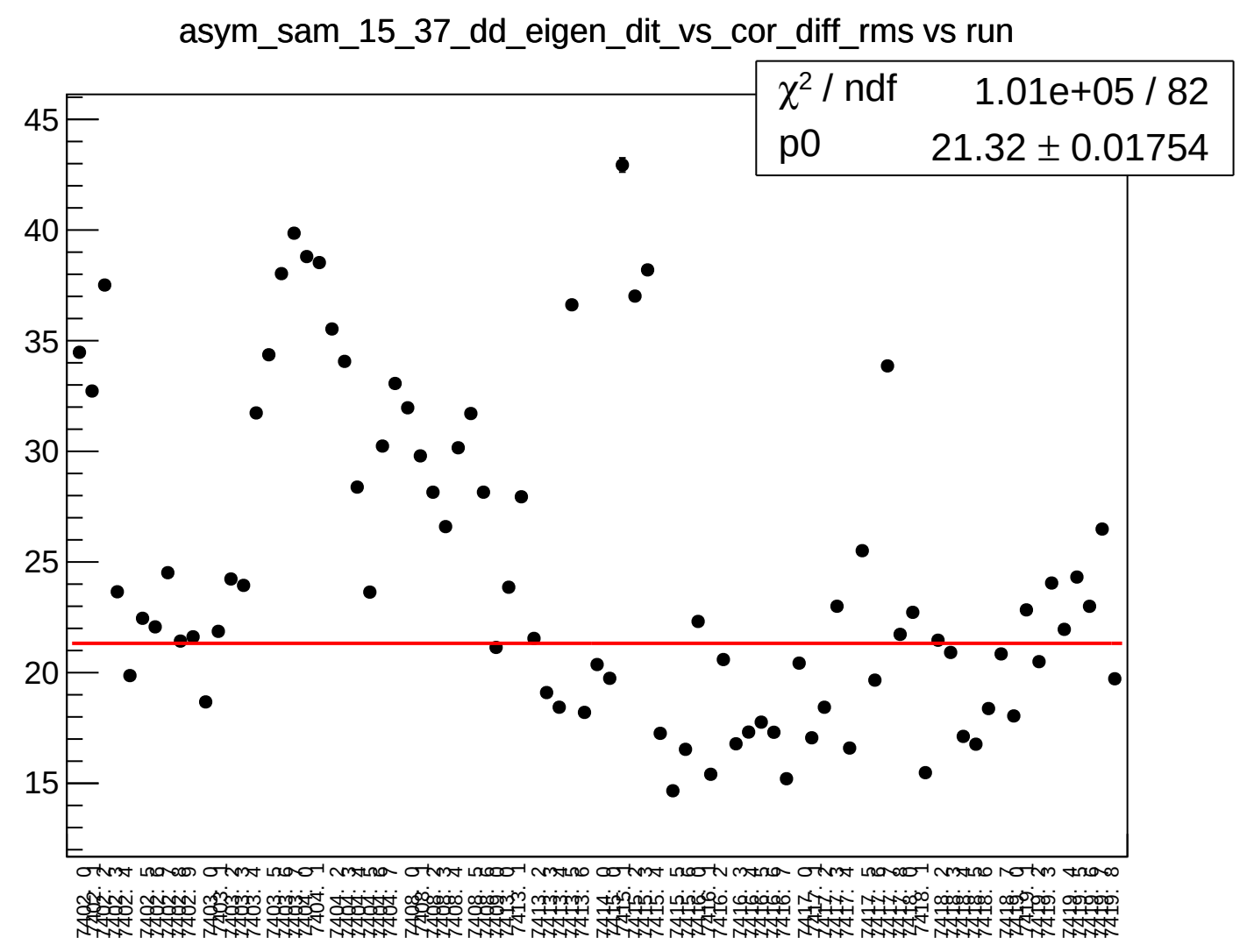

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.74 / 82
p0 3.657e−07 ± 1.226e−06
pull
Entries 83
Mean 332
Std Dev 0

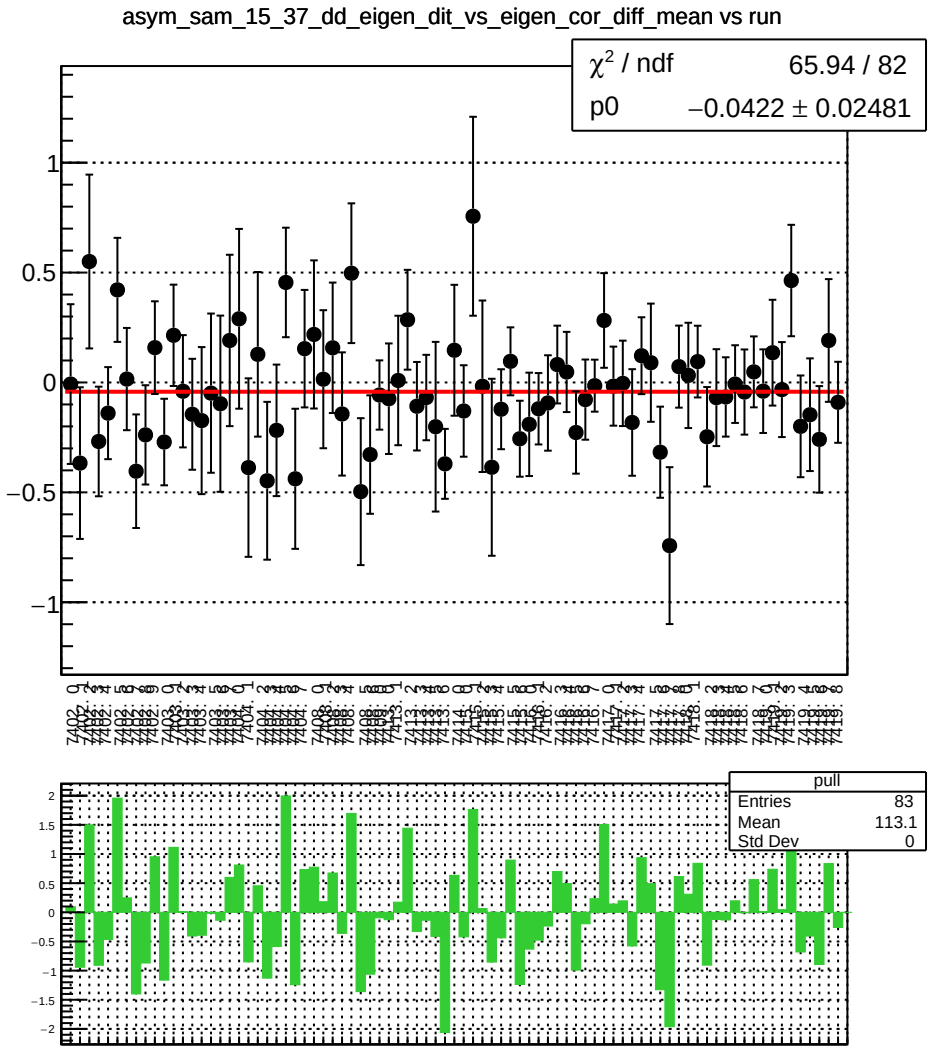

pull1D
Entries 83
Mean −0.006964
Std Dev 1.004

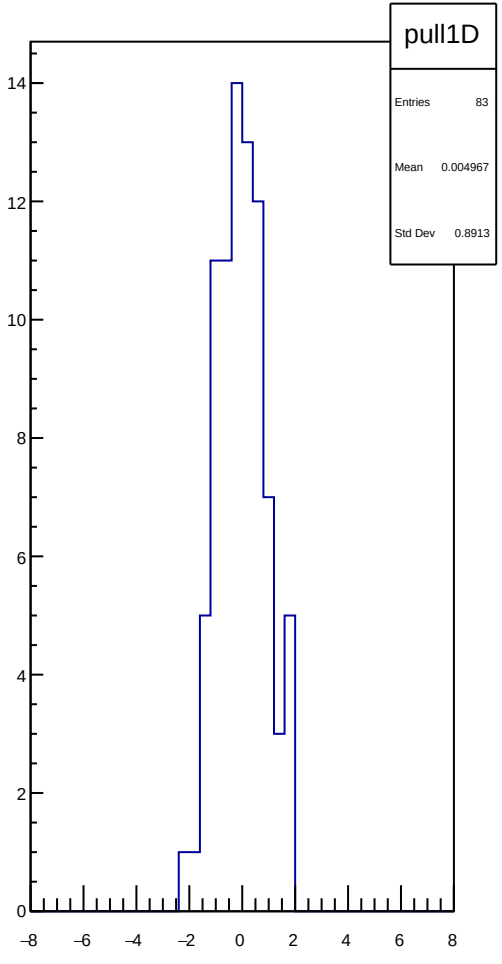

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.931e+05 / 82
p0 0.001021 ± 8.671e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

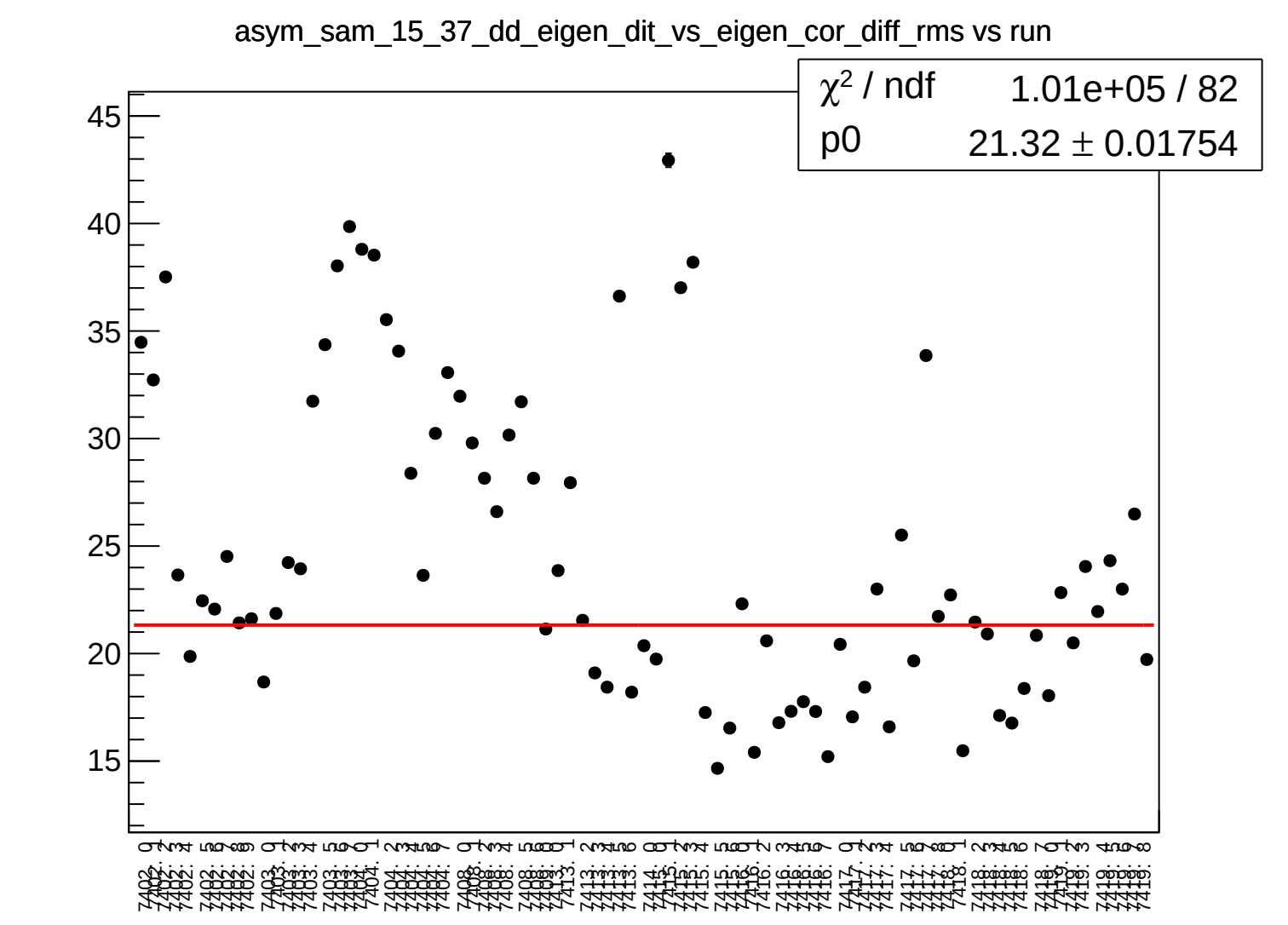

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.94 / 82
p0 −0.0422 ± 0.02481
pull
Entries 83
Mean 113.1
Std Dev 0

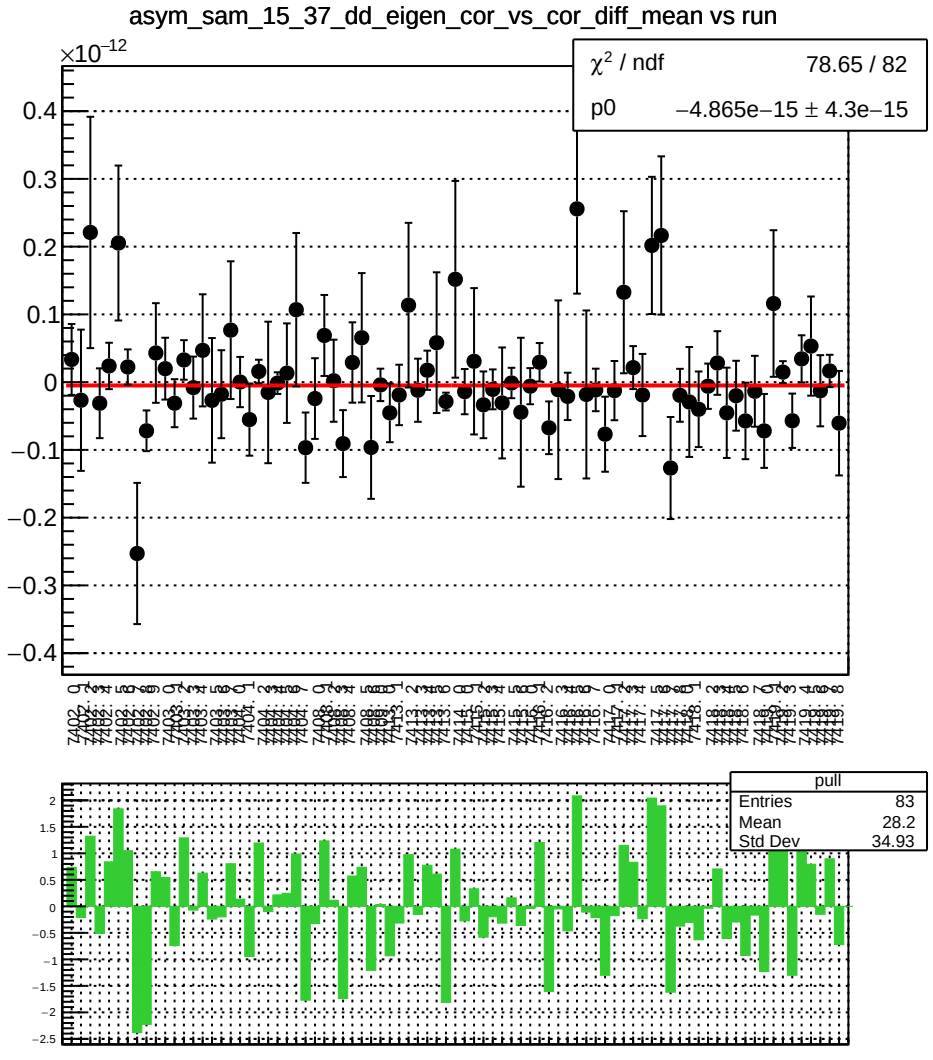

pull1D
Entries 83
Mean 0.004967
Std Dev 0.8913

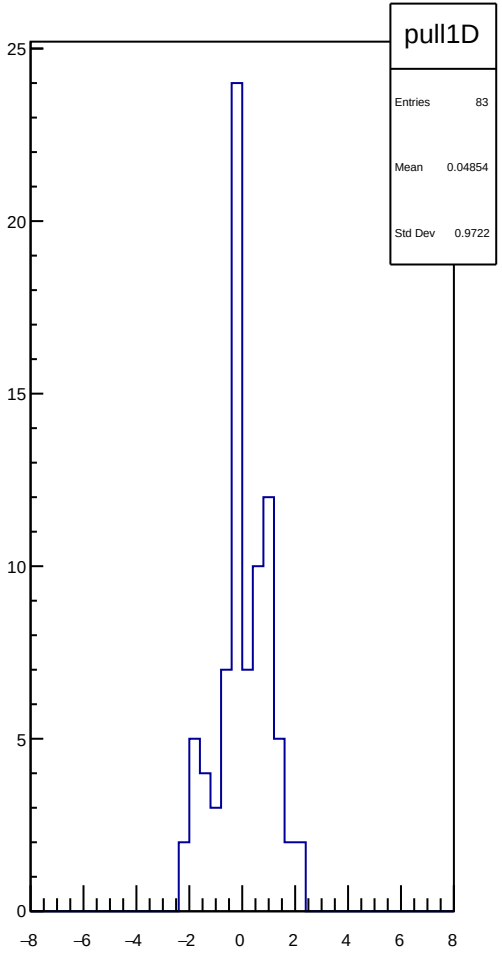

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 82
p0 21.32 ± 0.01754
45
40
35
30
25
20
15

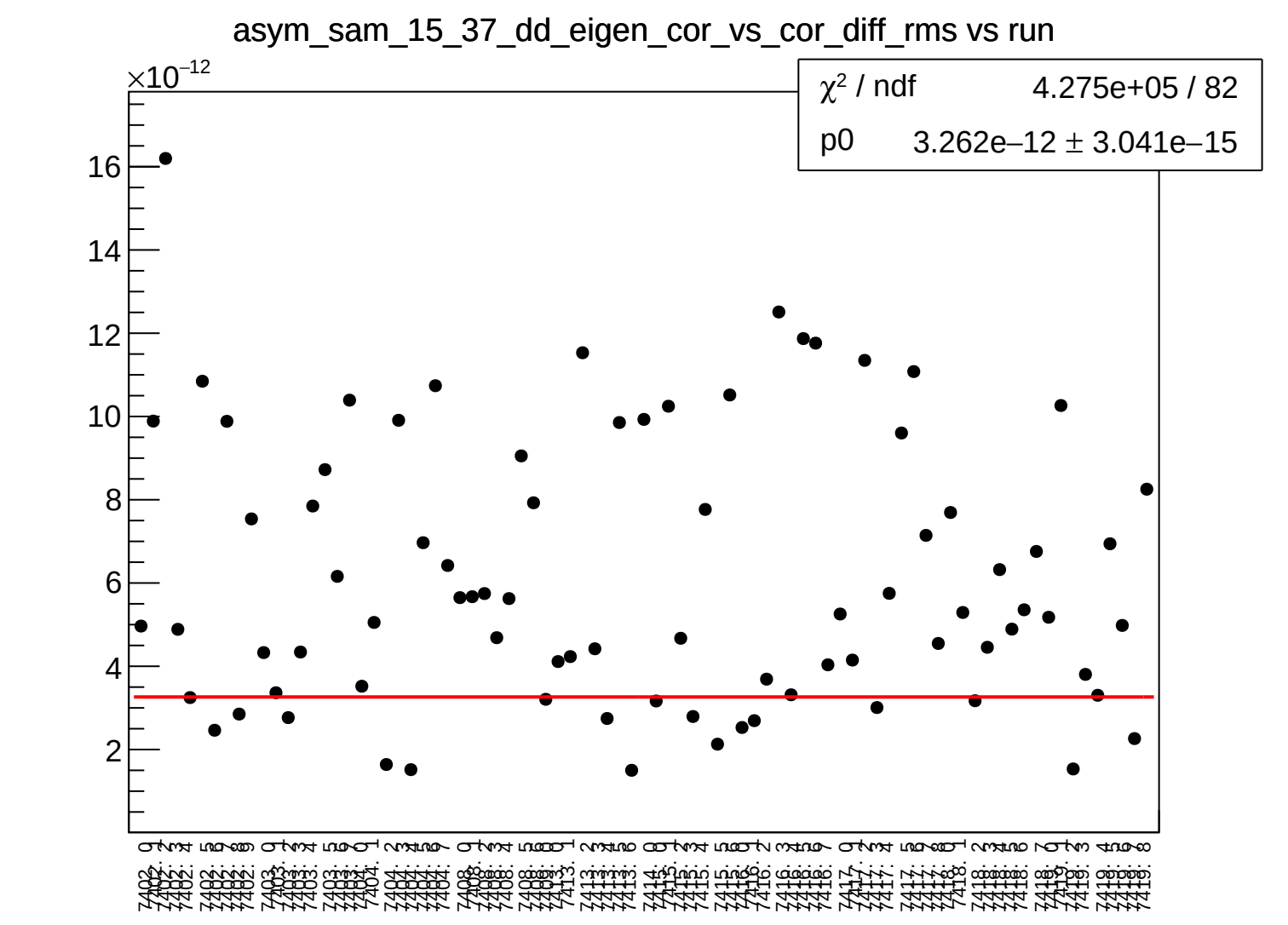

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.94 / 82
p0 −0.0422 ± 0.02481
pull
Entries 83
Mean 113.1
Std Dev 0

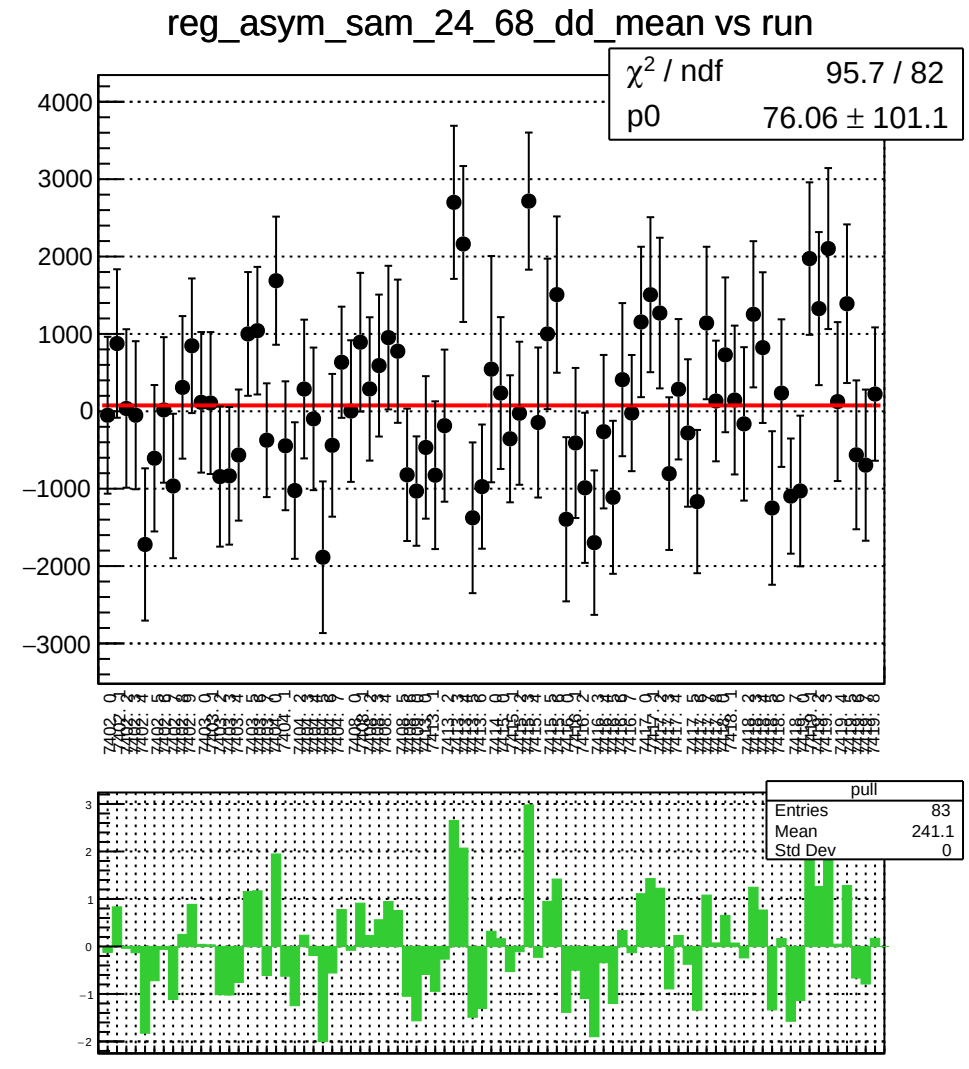

pull1D
Entries 83
Mean 0.004967
Std Dev 0.8913

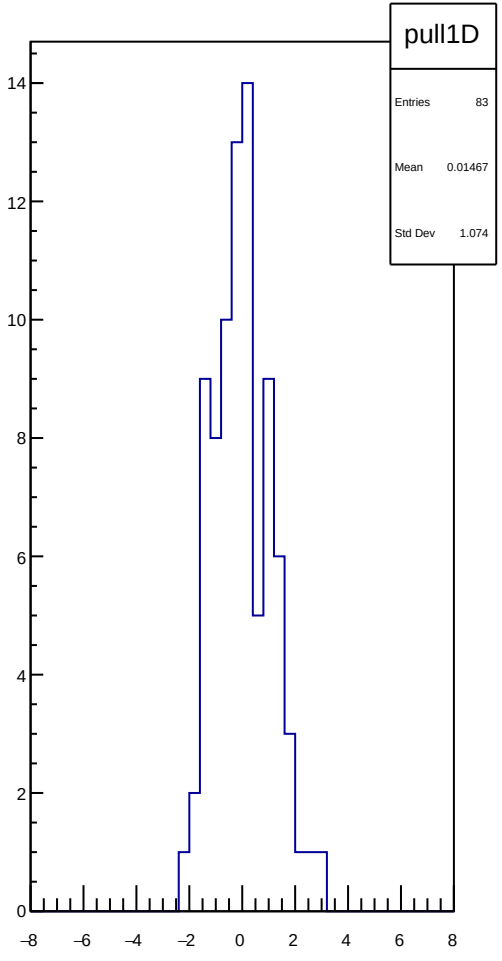

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.01e+05 / 82
p0 21.32 ± 0.01754
45
40
35
30
25
20
15

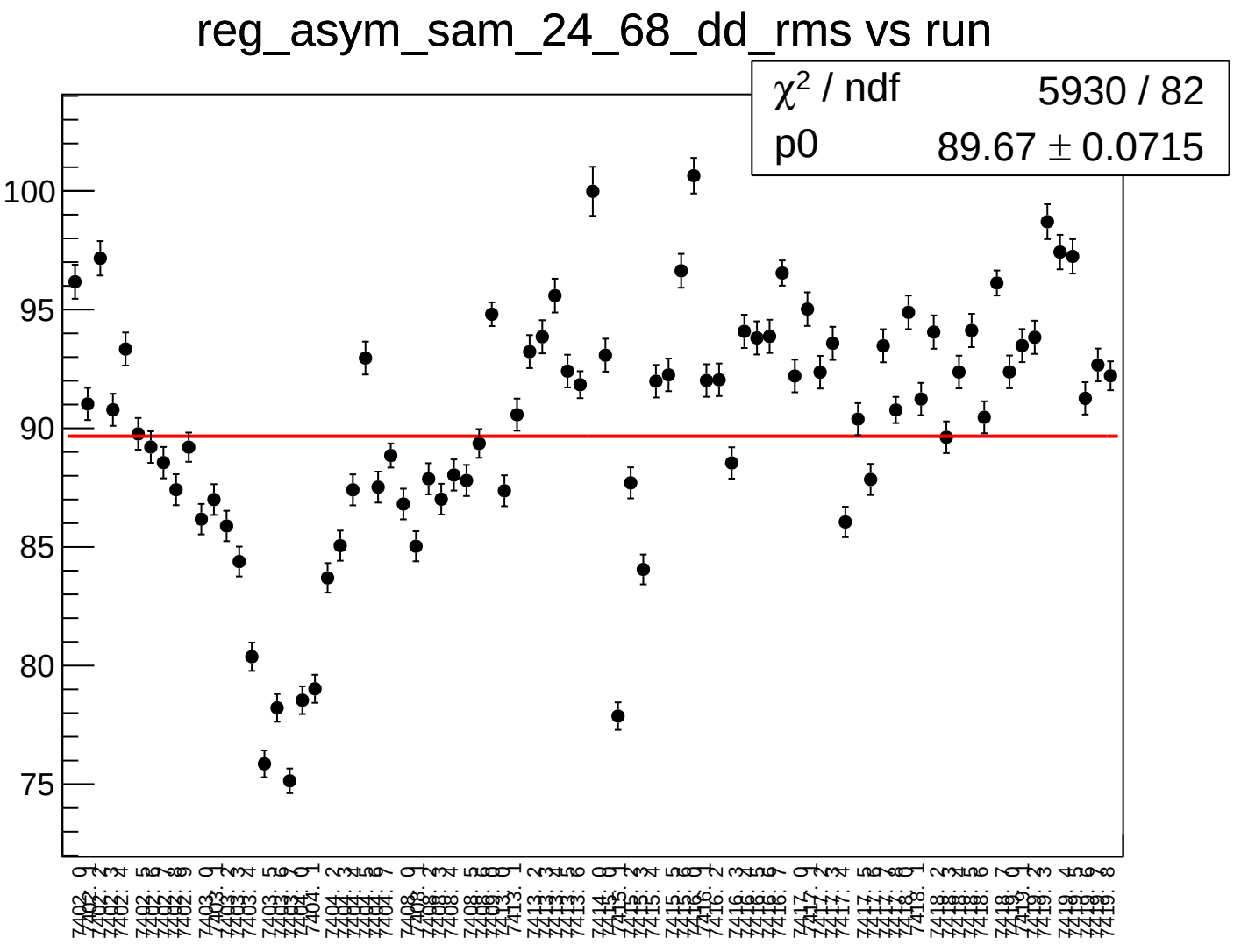

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.65 / 82
p0 −4.865e−15 ± 4.3e−15
pull
Entries 83
Mean 28.2
Std Dev 34.93

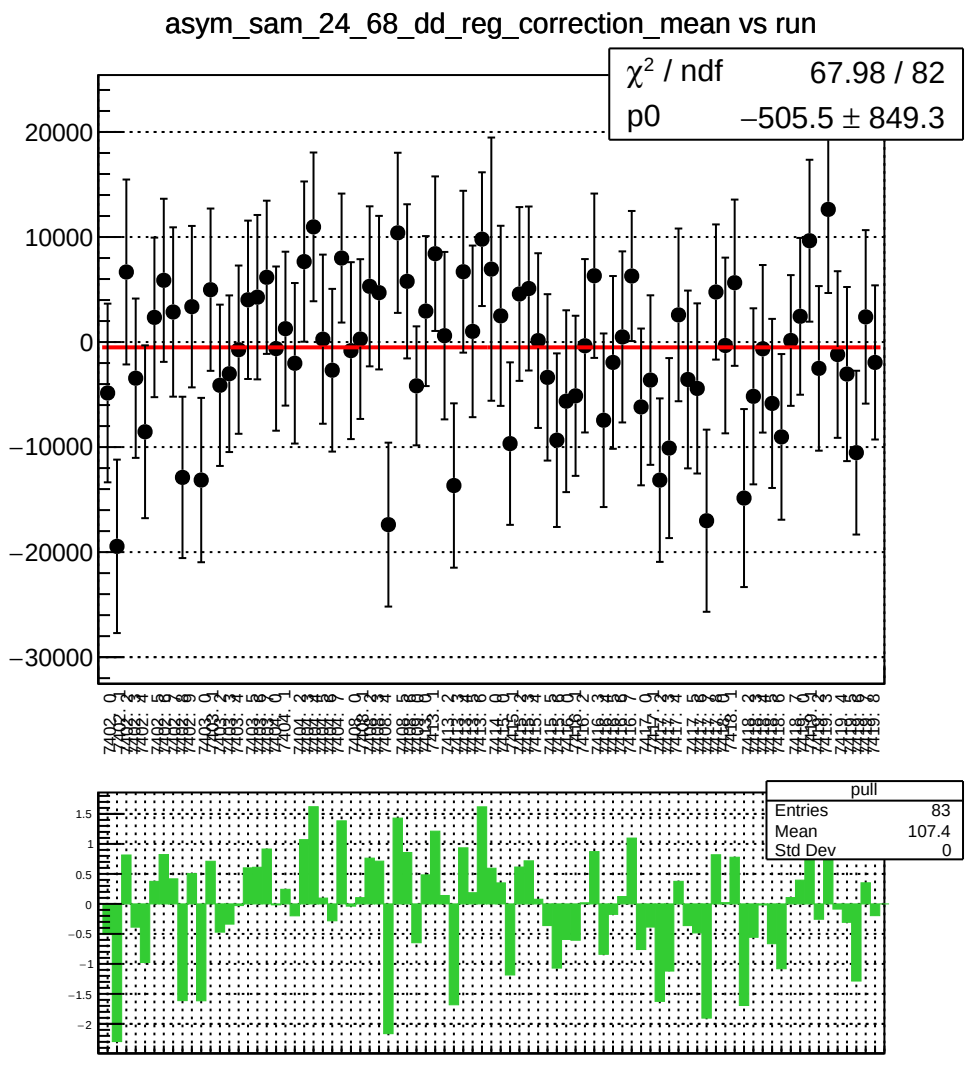

pull1D
Entries 83
Mean 0.04854
Std Dev 0.9722

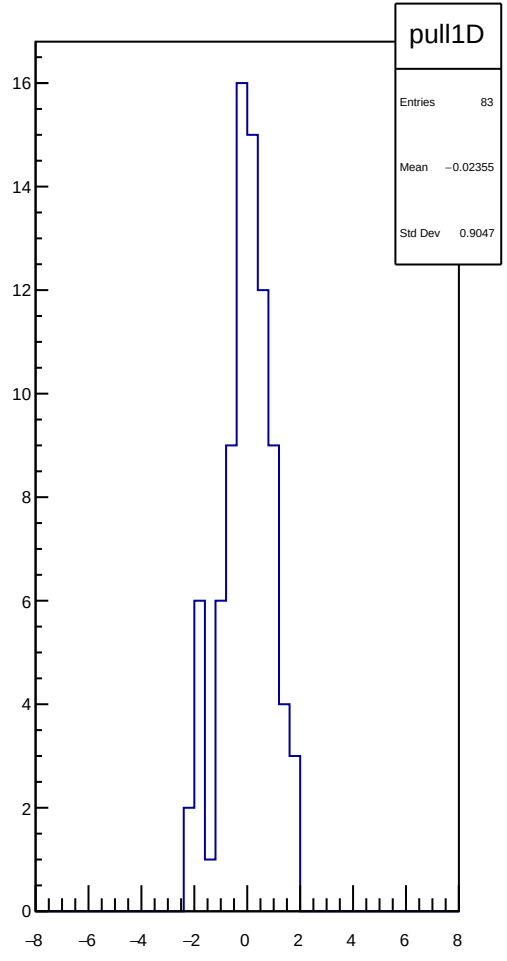

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.275e+05 / 82
p0 3.262e−12 ± 3.041e−15
16
14
12
10
8
6
4
2

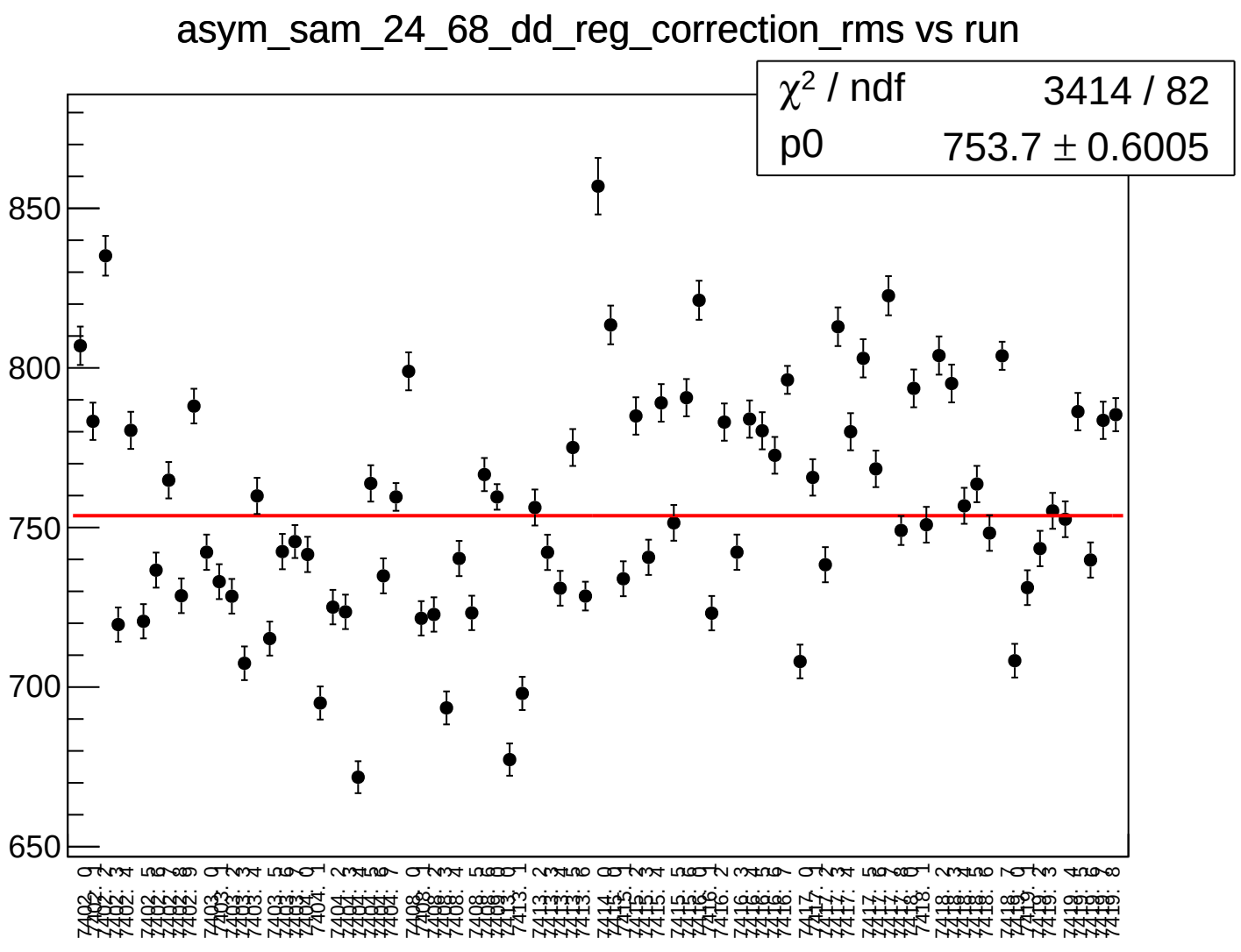

reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 95.7 / 82
p0 76.06 ± 101.1
pull
Entries 83
Mean 241.1
Std Dev 0

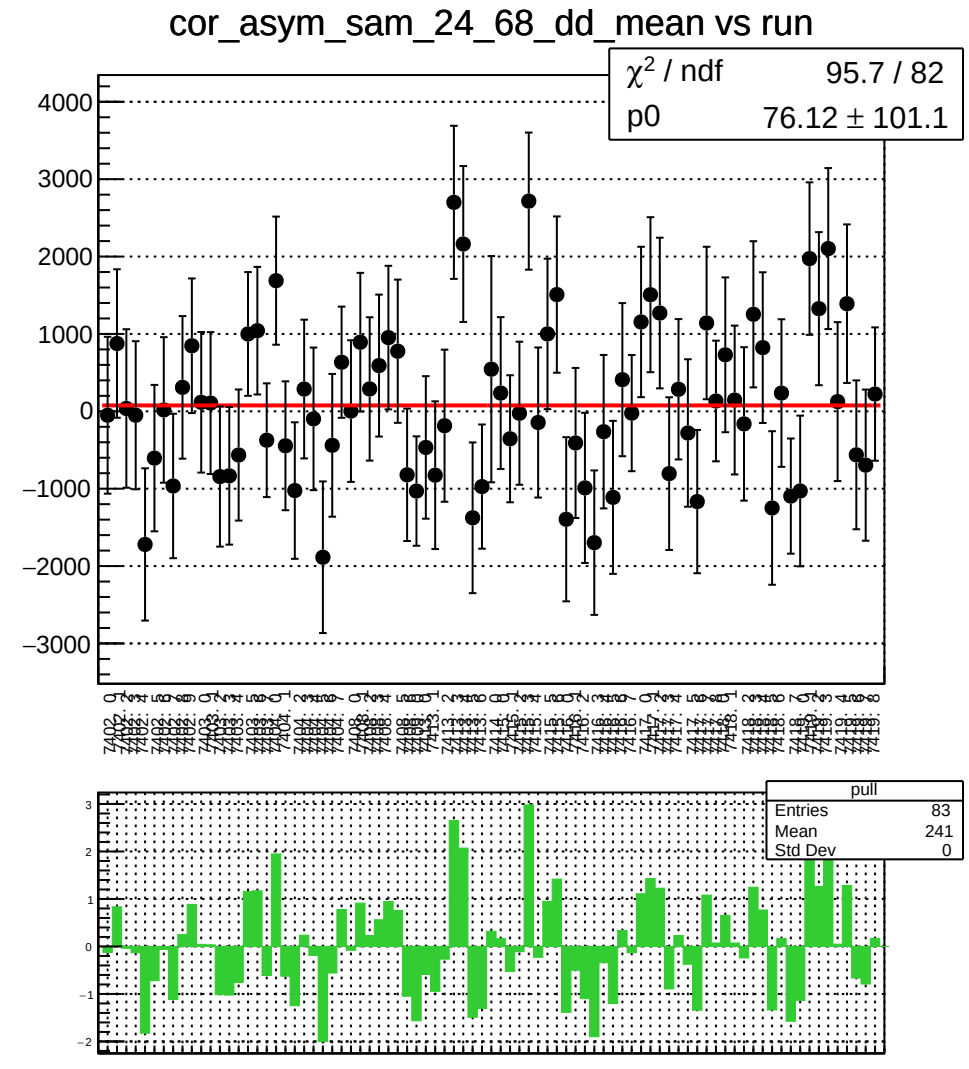

pull1D
Entries 83
Mean 0.01467
Std Dev 1.074

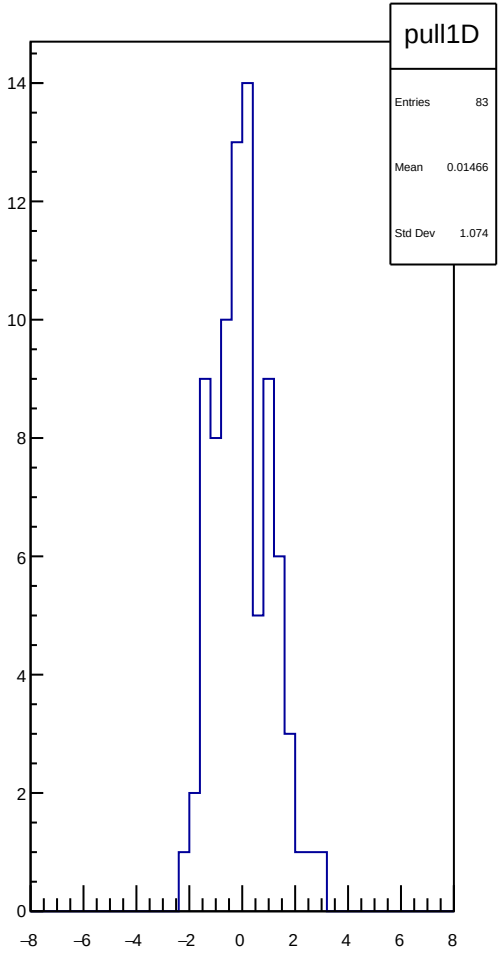

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 5930 / 82
p0 89.67 ± 0.0715
100
95
90
85
80
75

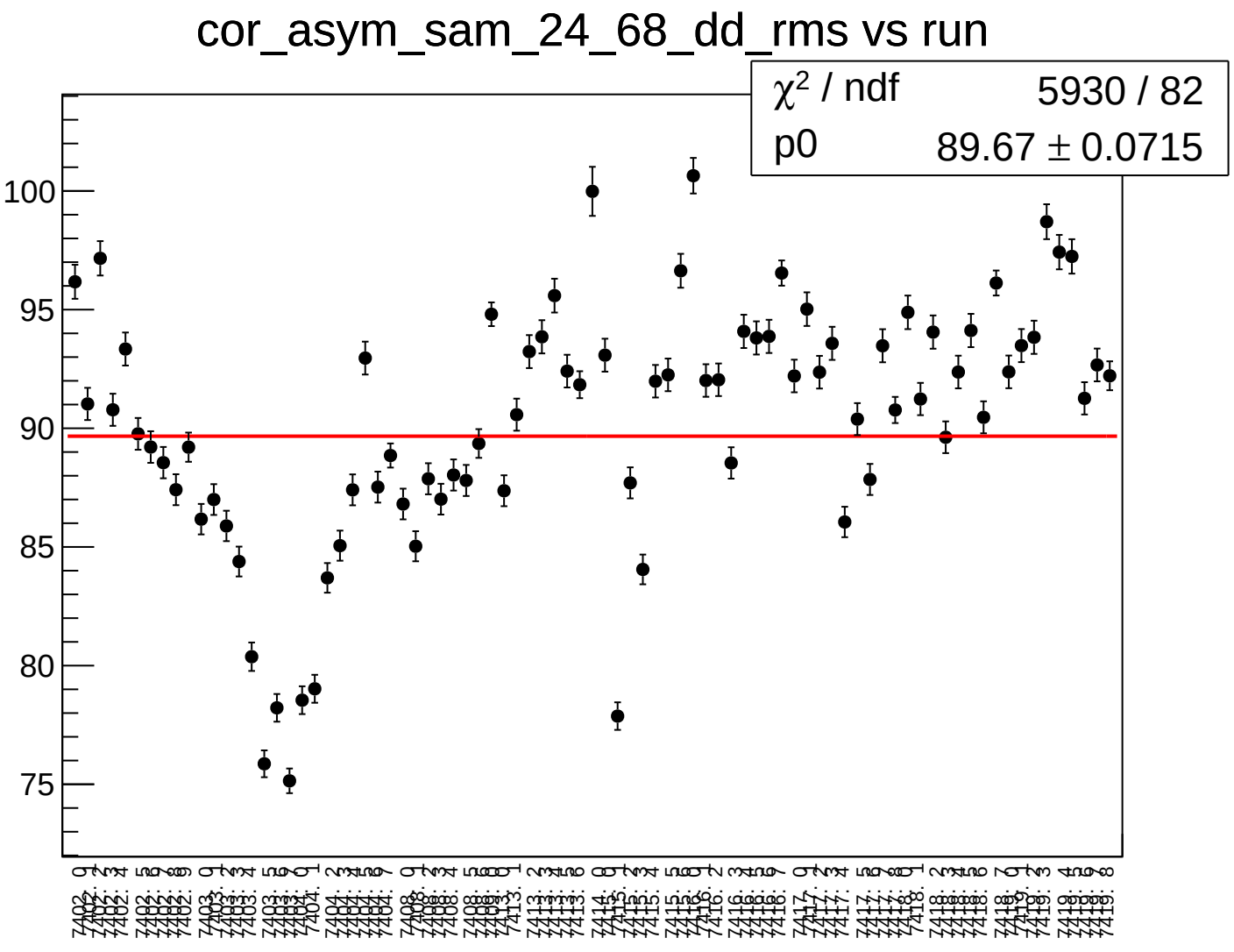

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 67.98 / 82
p0 −505.5 ± 849.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 107.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

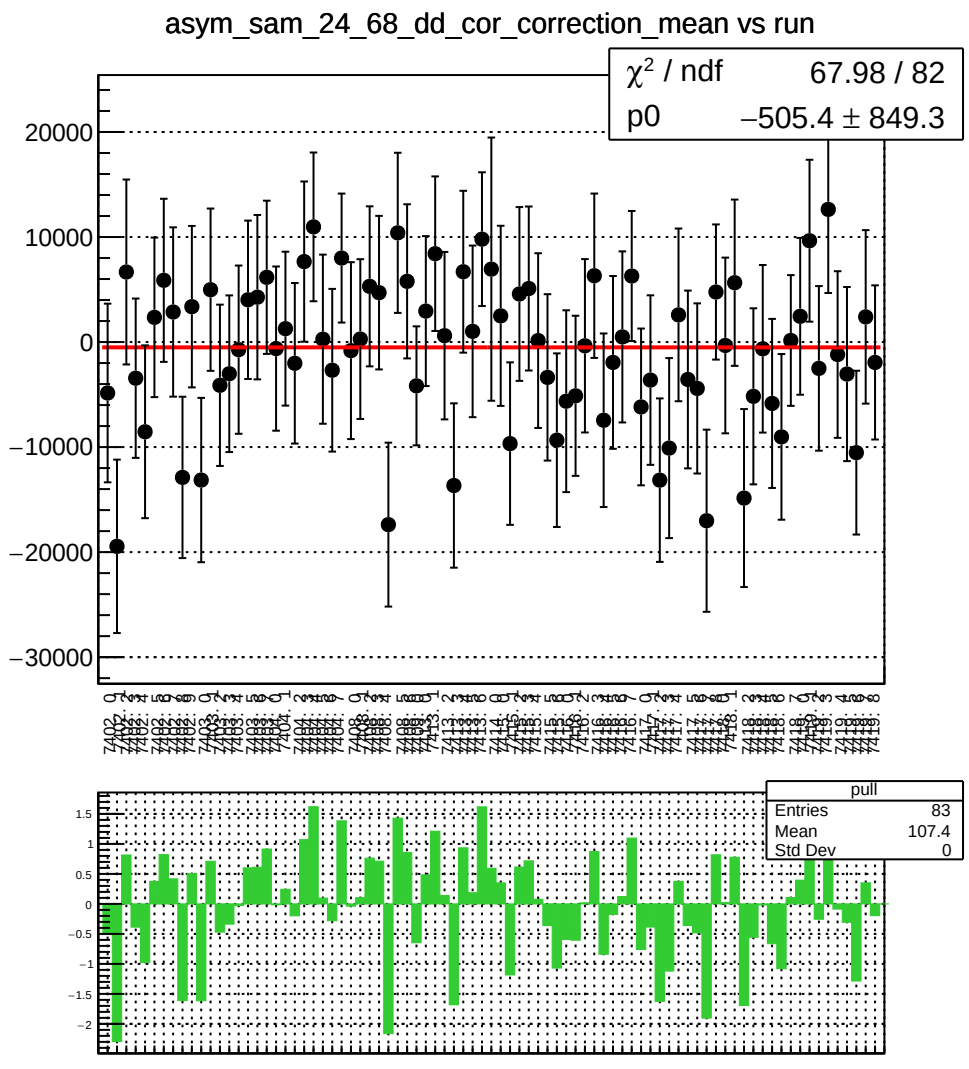

pull1D
Entries 83
Mean −0.02355
Std Dev 0.9047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

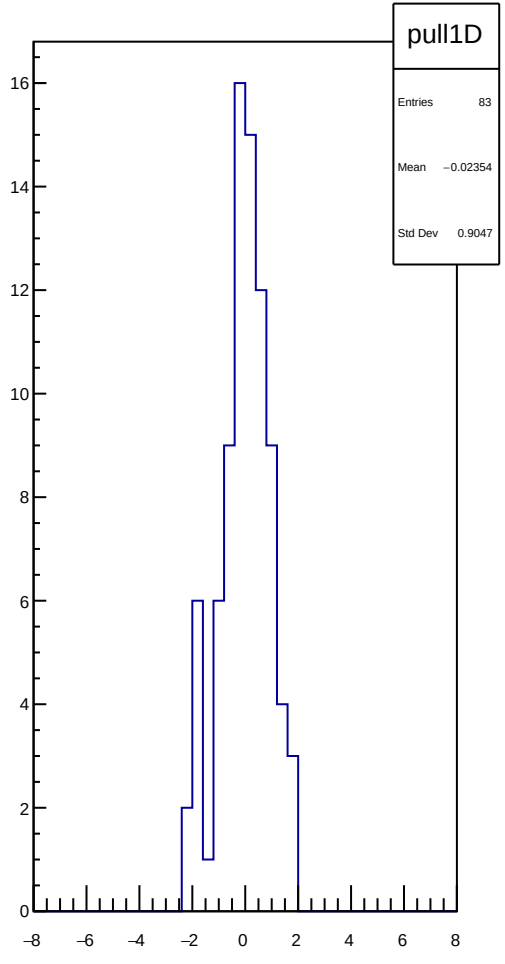

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3414 / 82
p0 753.7 ± 0.6005
850
800
750
700
650

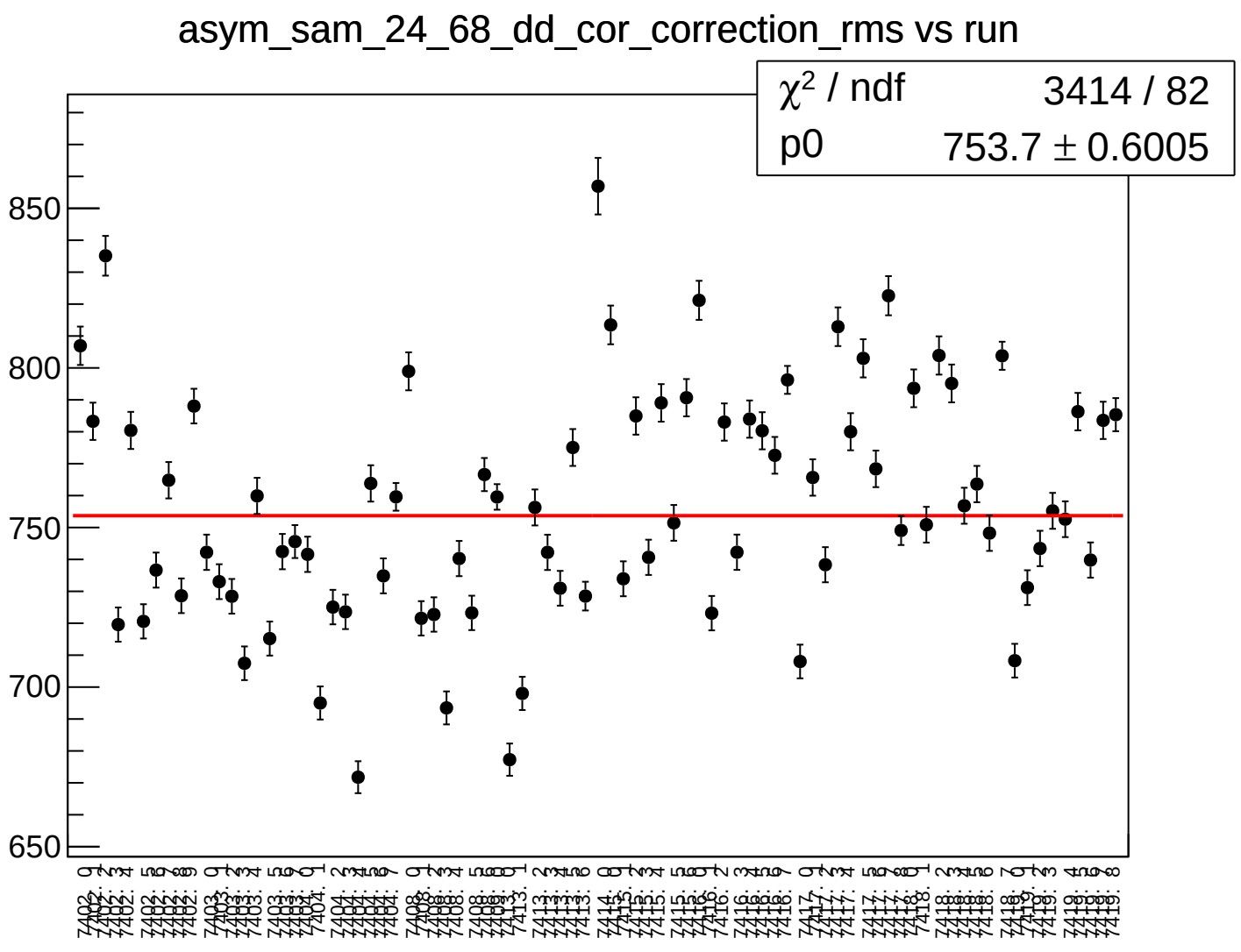

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 95.7 / 82
p0 76.12 ± 101.1
pull
Entries 83
Mean 241
Std Dev 0

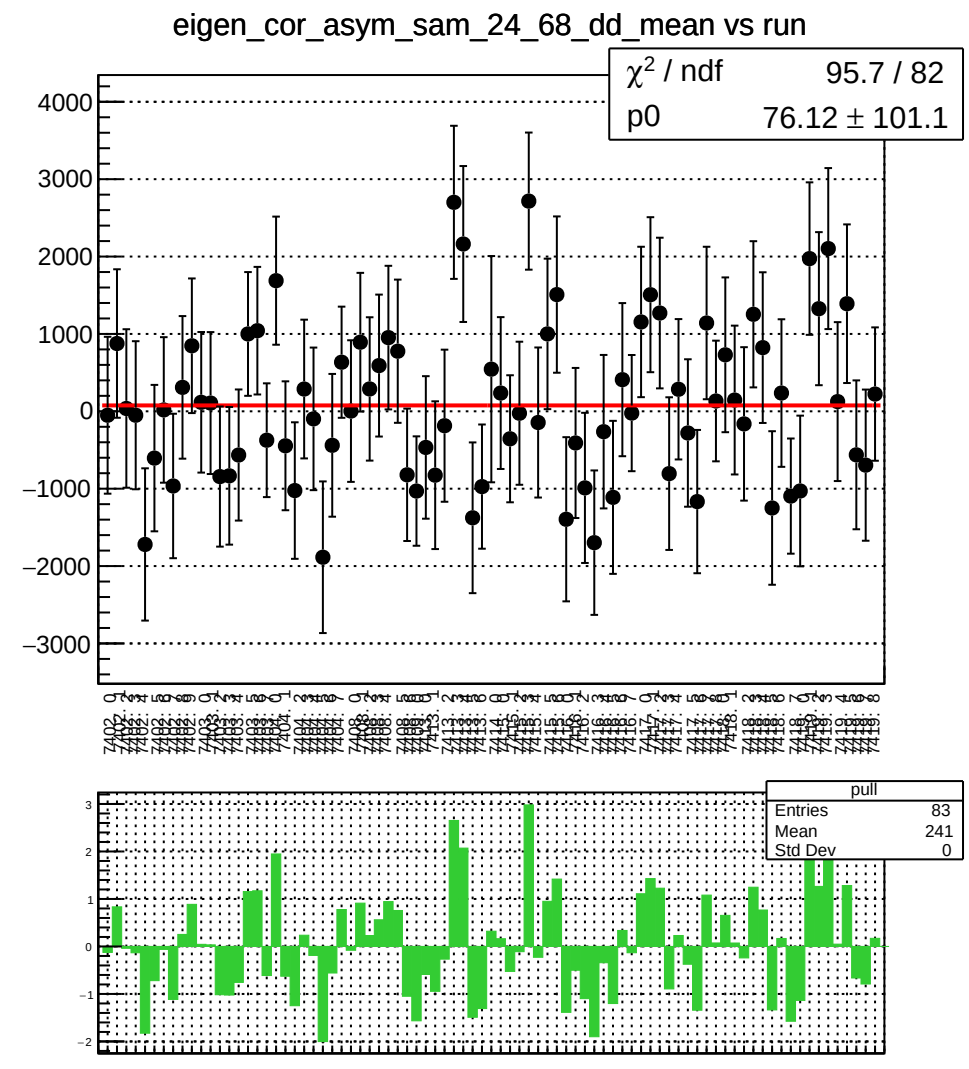

pull1D
Entries 83
Mean 0.01466
Std Dev 1.074

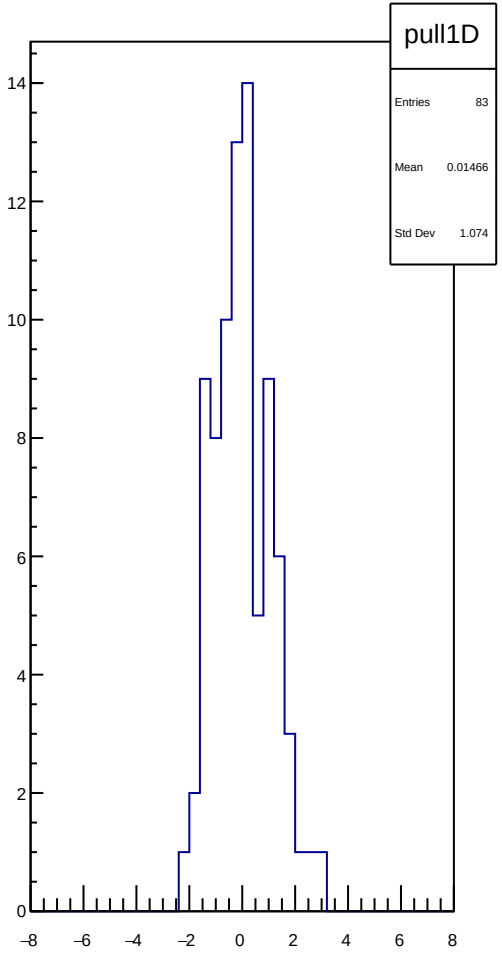

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 5930 / 82
p0 89.67 ± 0.0715
100
95
90
85
80
75

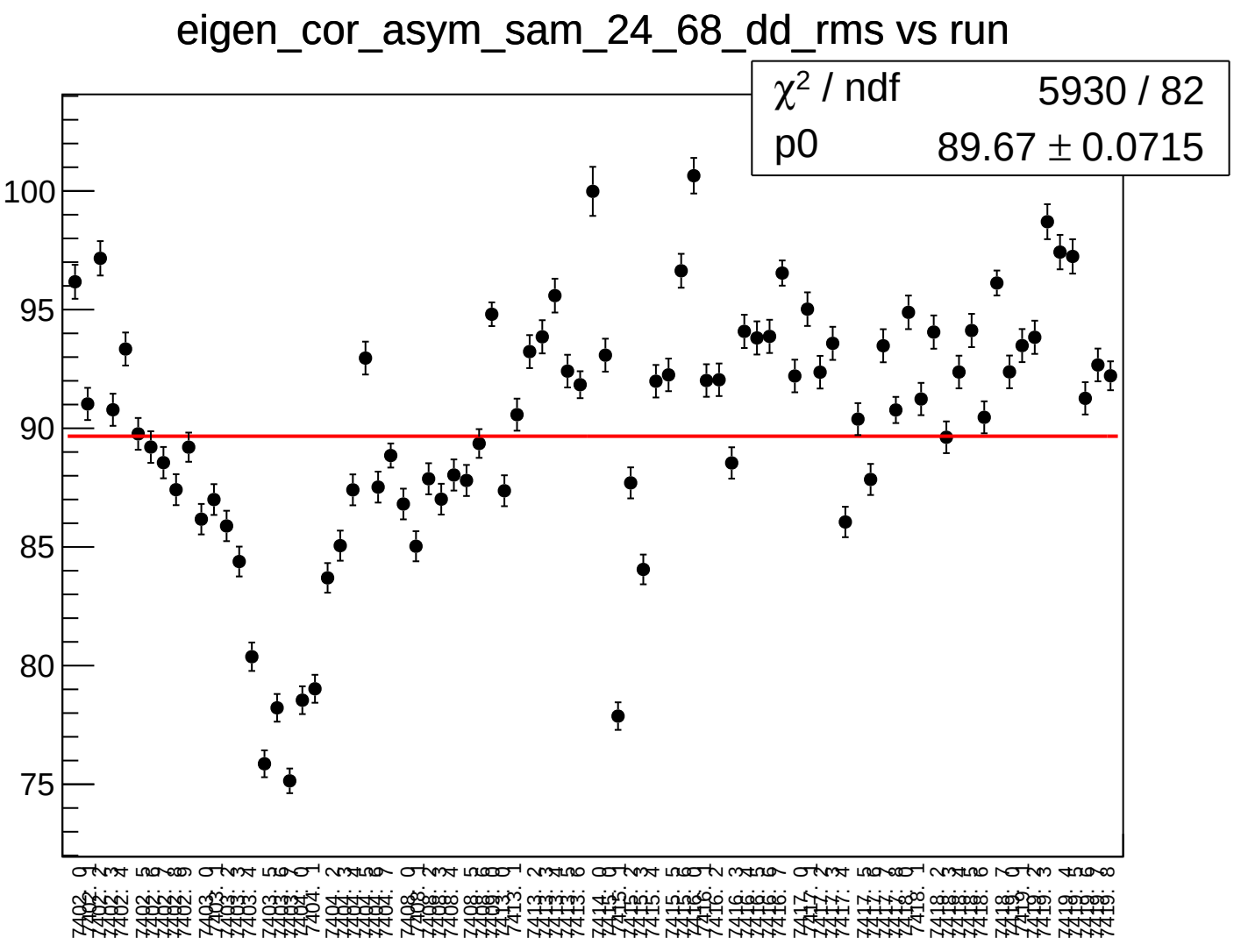

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 67.98 / 82
p0 −505.4 ± 849.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 107.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

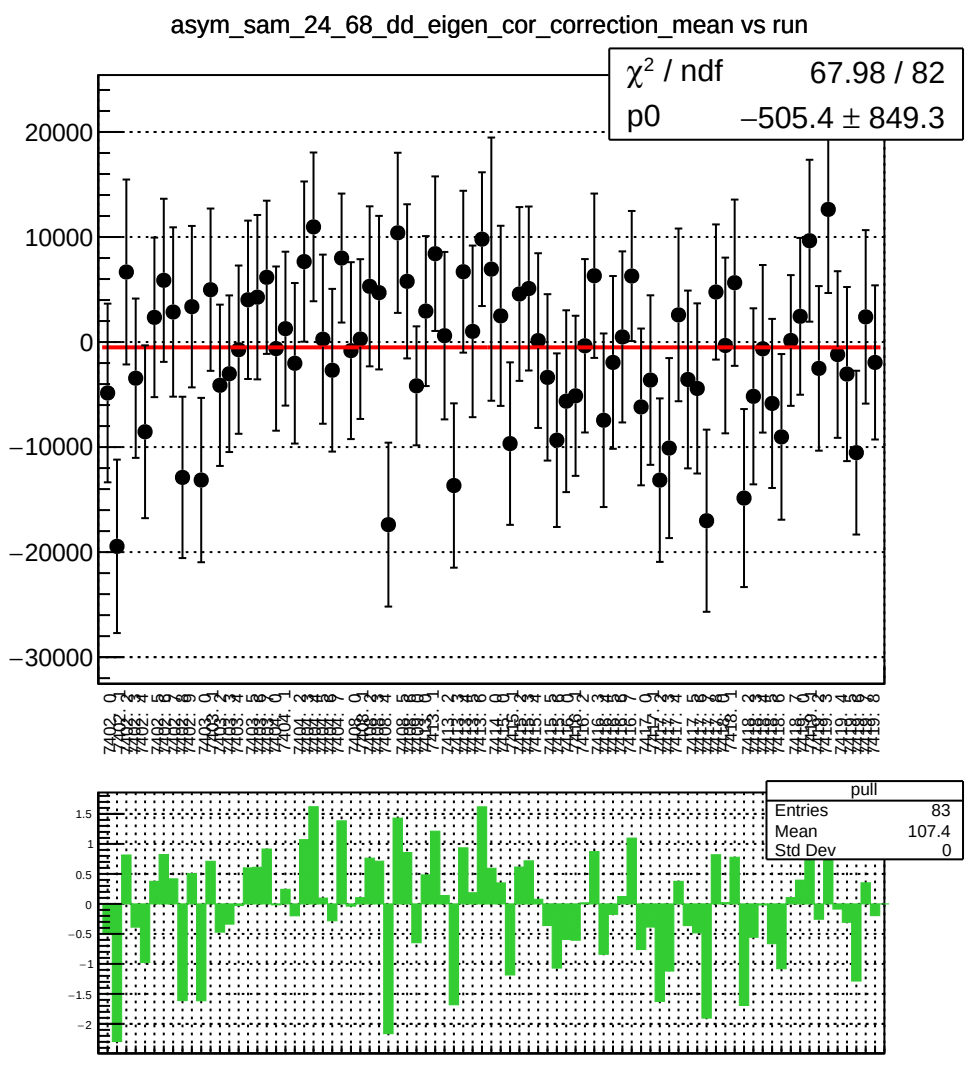

pull1D
Entries 83
Mean −0.02354
Std Dev 0.9047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

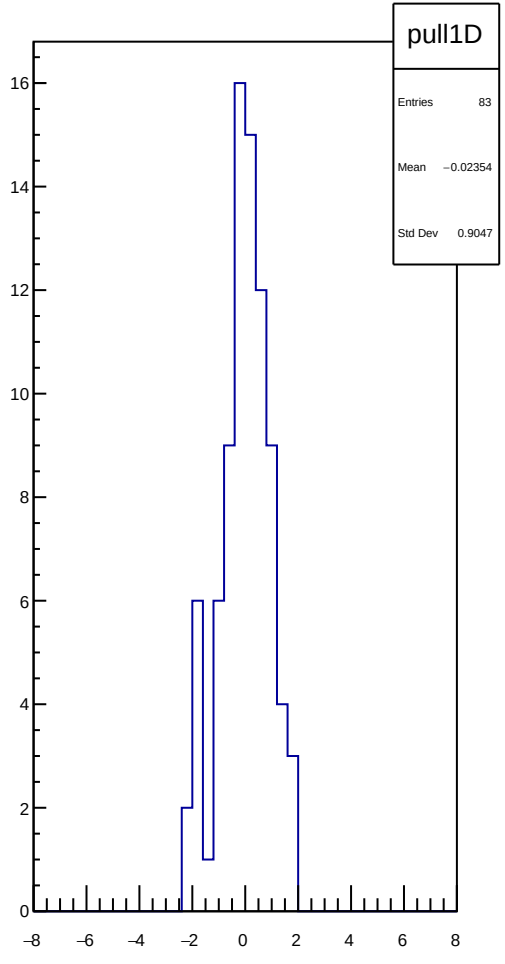

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3414 / 82
p0 753.7 ± 0.6005
850
800
750
700
650

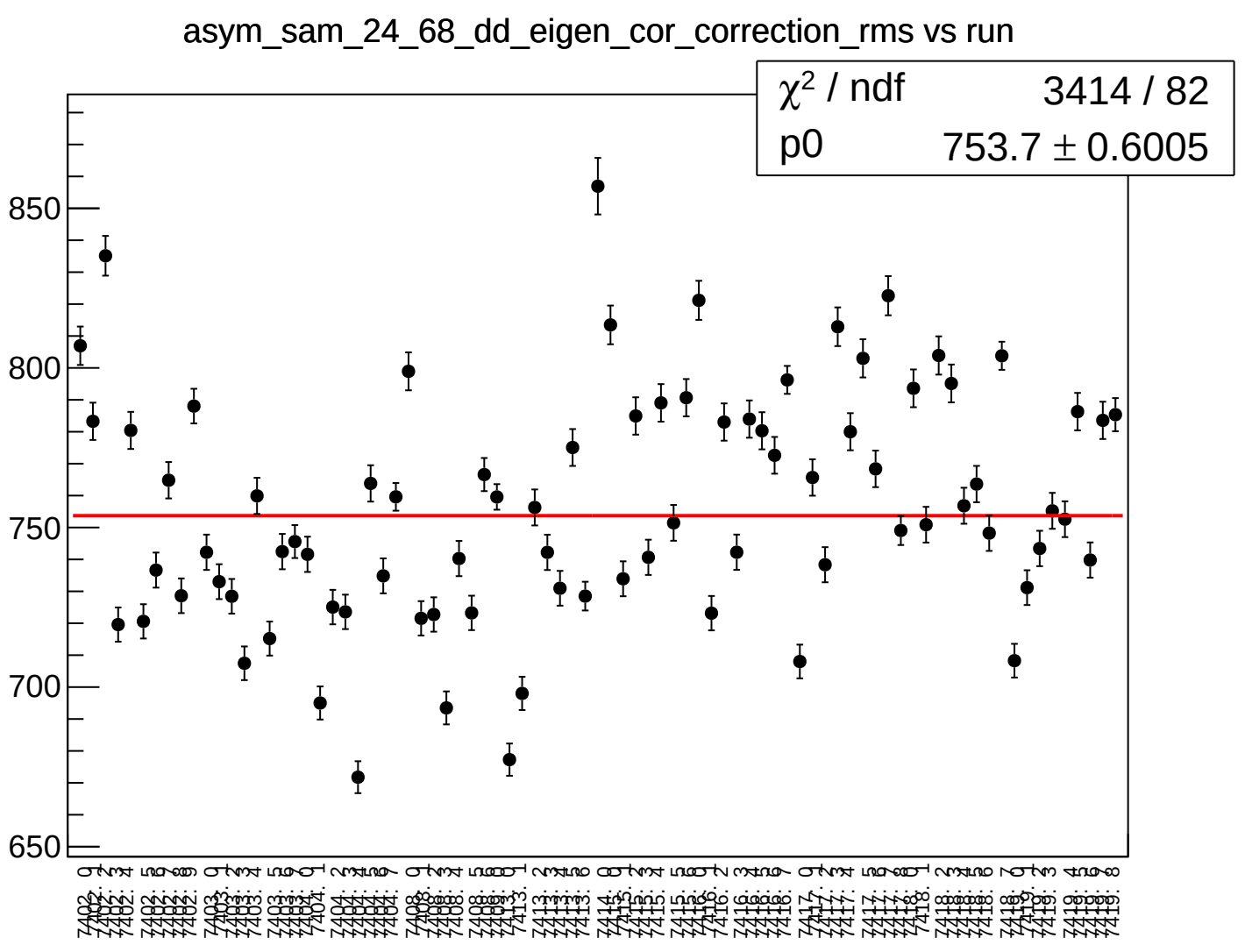

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 95.7 / 82
p0 76.12 ± 101.1
pull
Entries 83
Mean 241
Std Dev 0

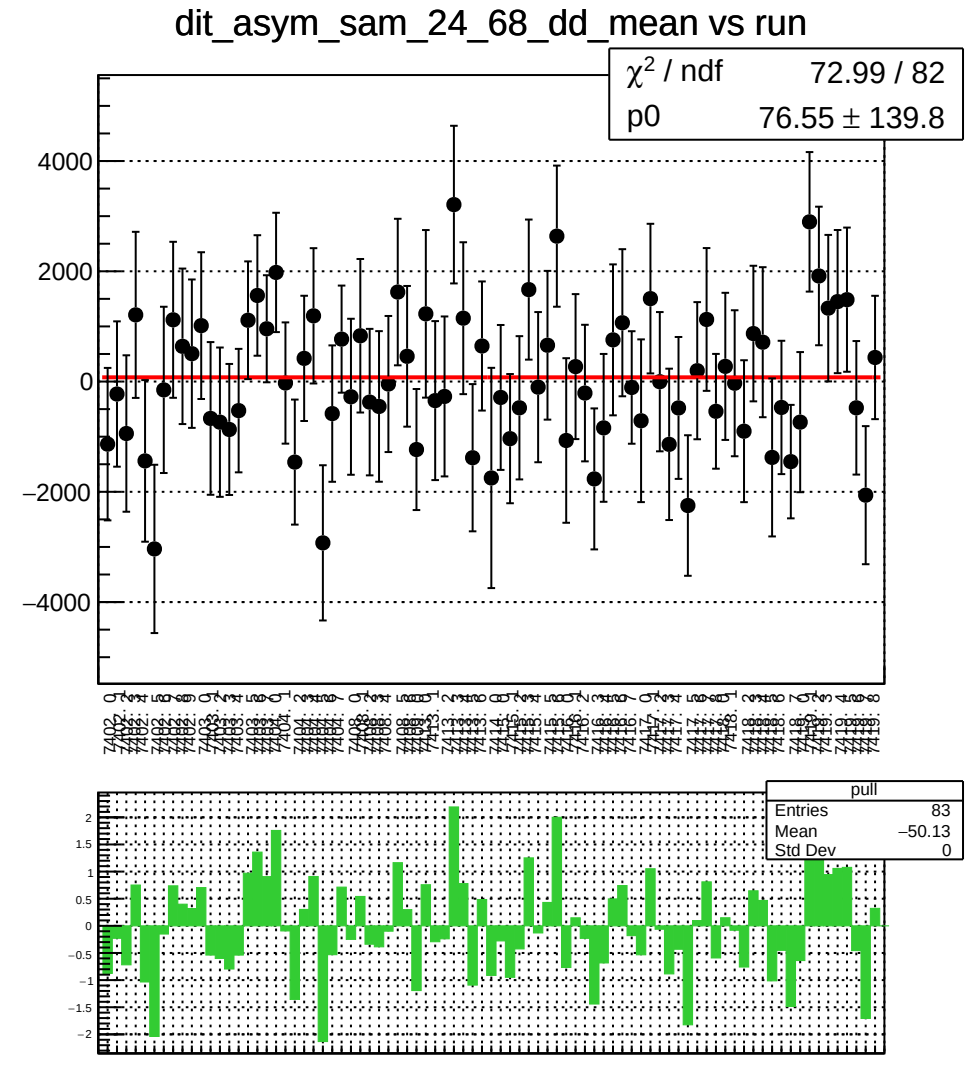

pull1D
Entries 83
Mean 0.01466
Std Dev 1.074

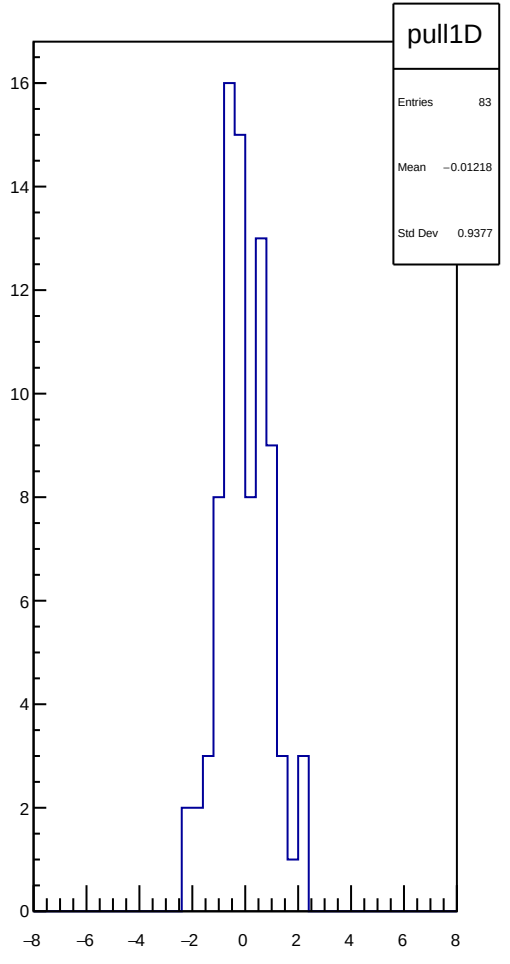

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 5930 / 82
p0 89.67 ± 0.0715
100
95
90
85
80
75

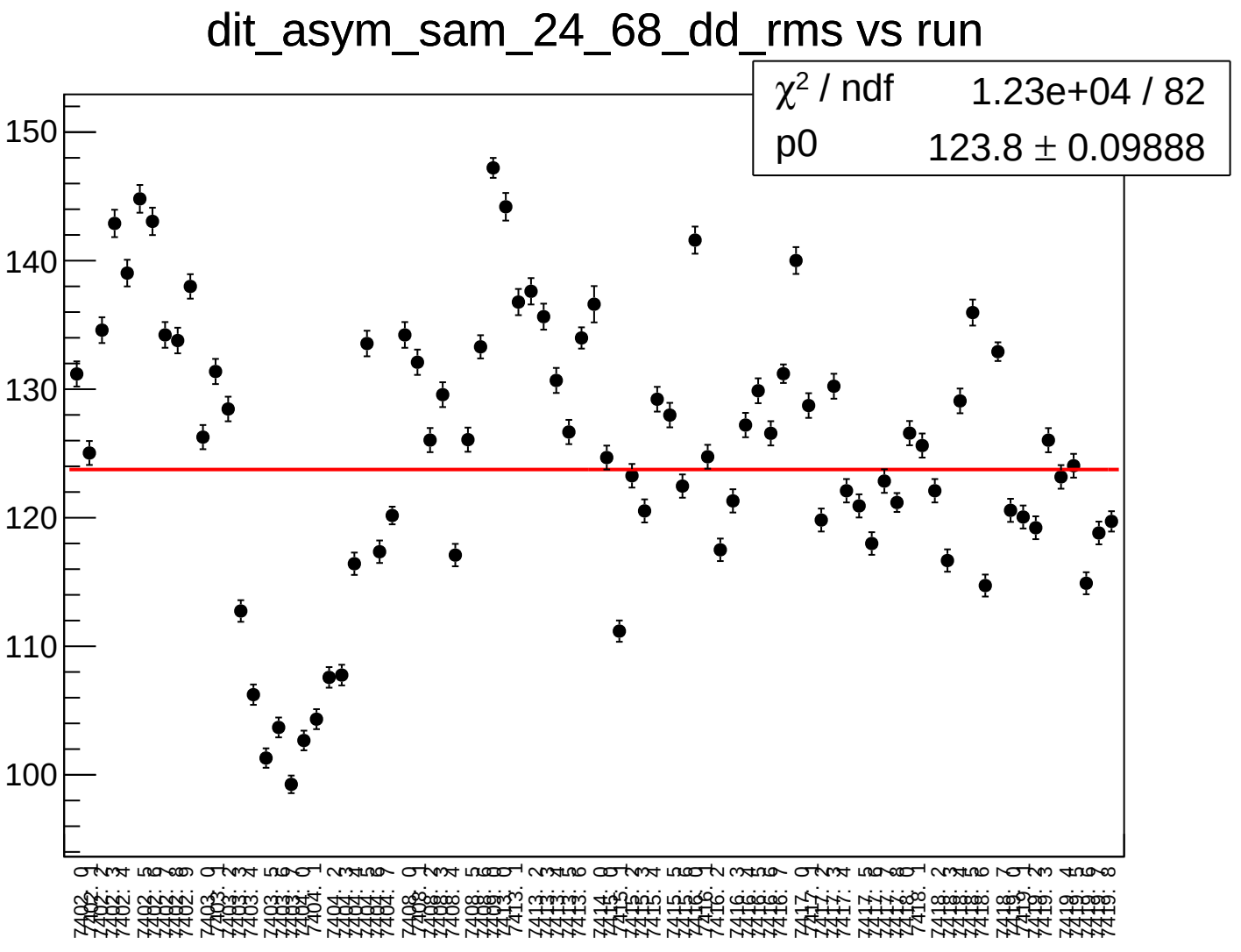

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 67.98 / 82
p0 −505.4 ± 849.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 107.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

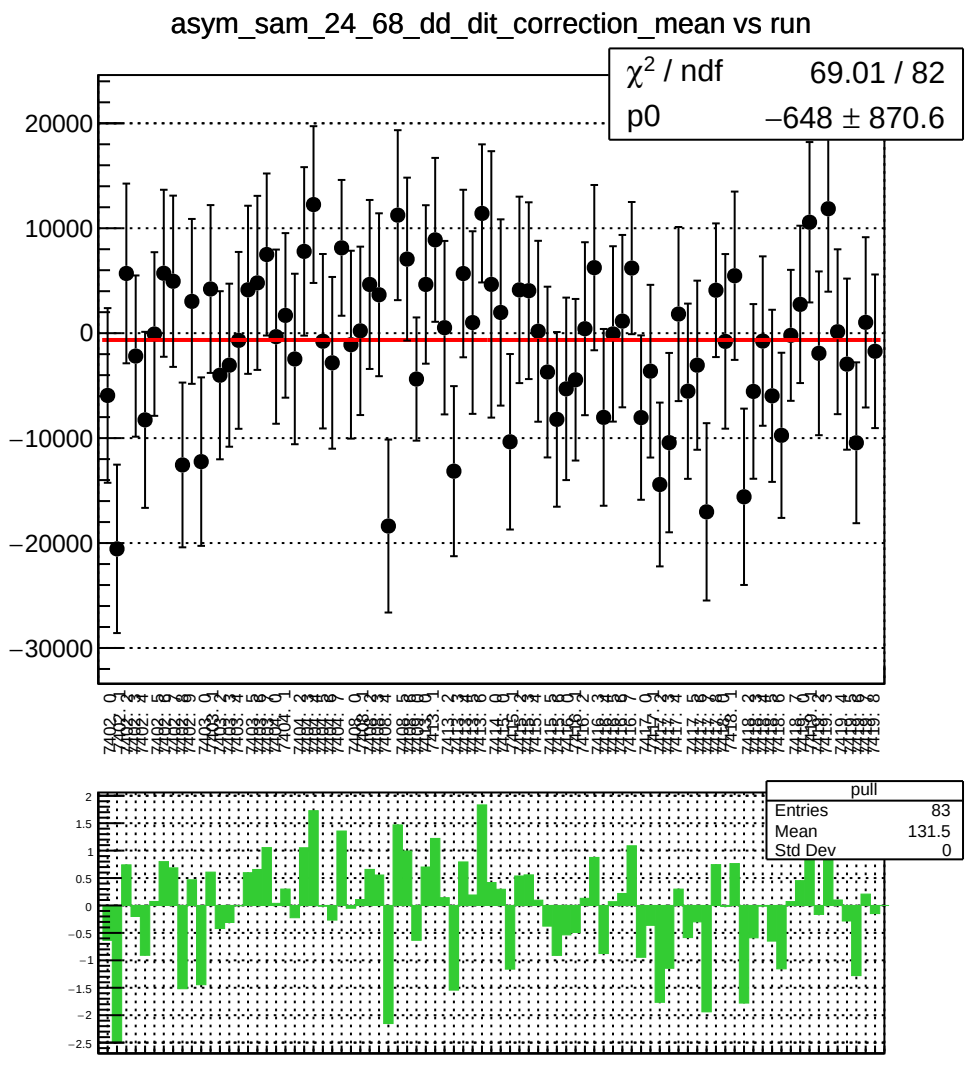

pull1D
Entries 83
Mean −0.02354
Std Dev 0.9047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

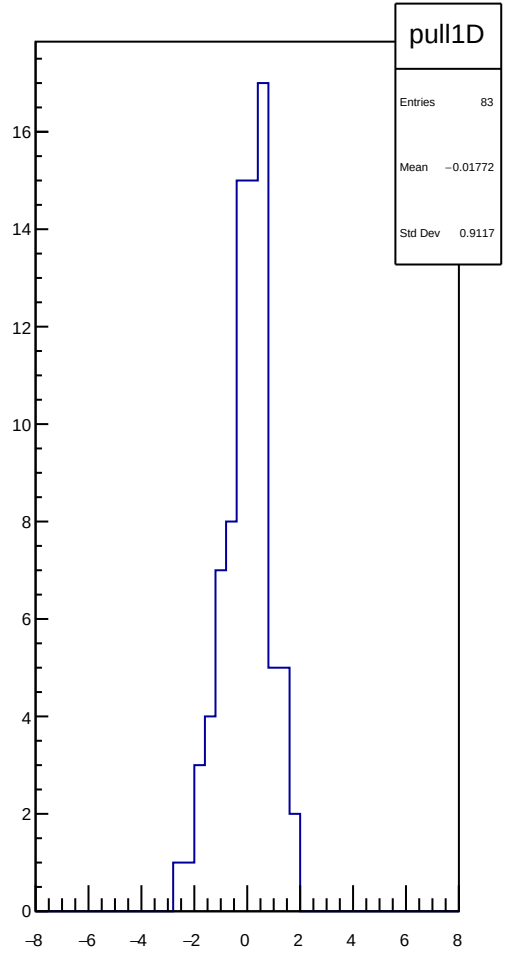

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3414 / 82
p0 753.7 ± 0.6005
850
800
750
700
650

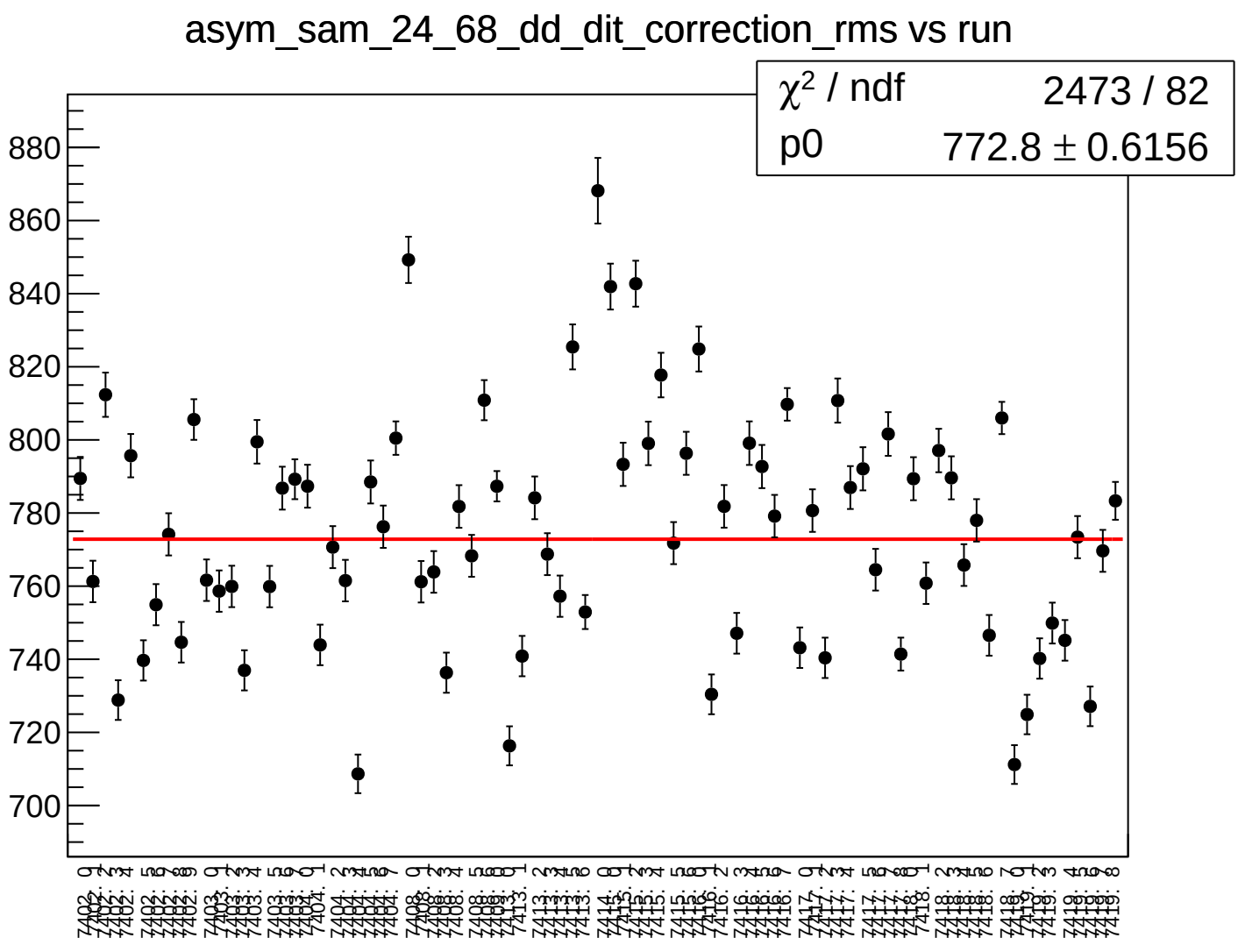

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 72.99 / 82
p0 76.55 ± 139.8
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −50.13
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

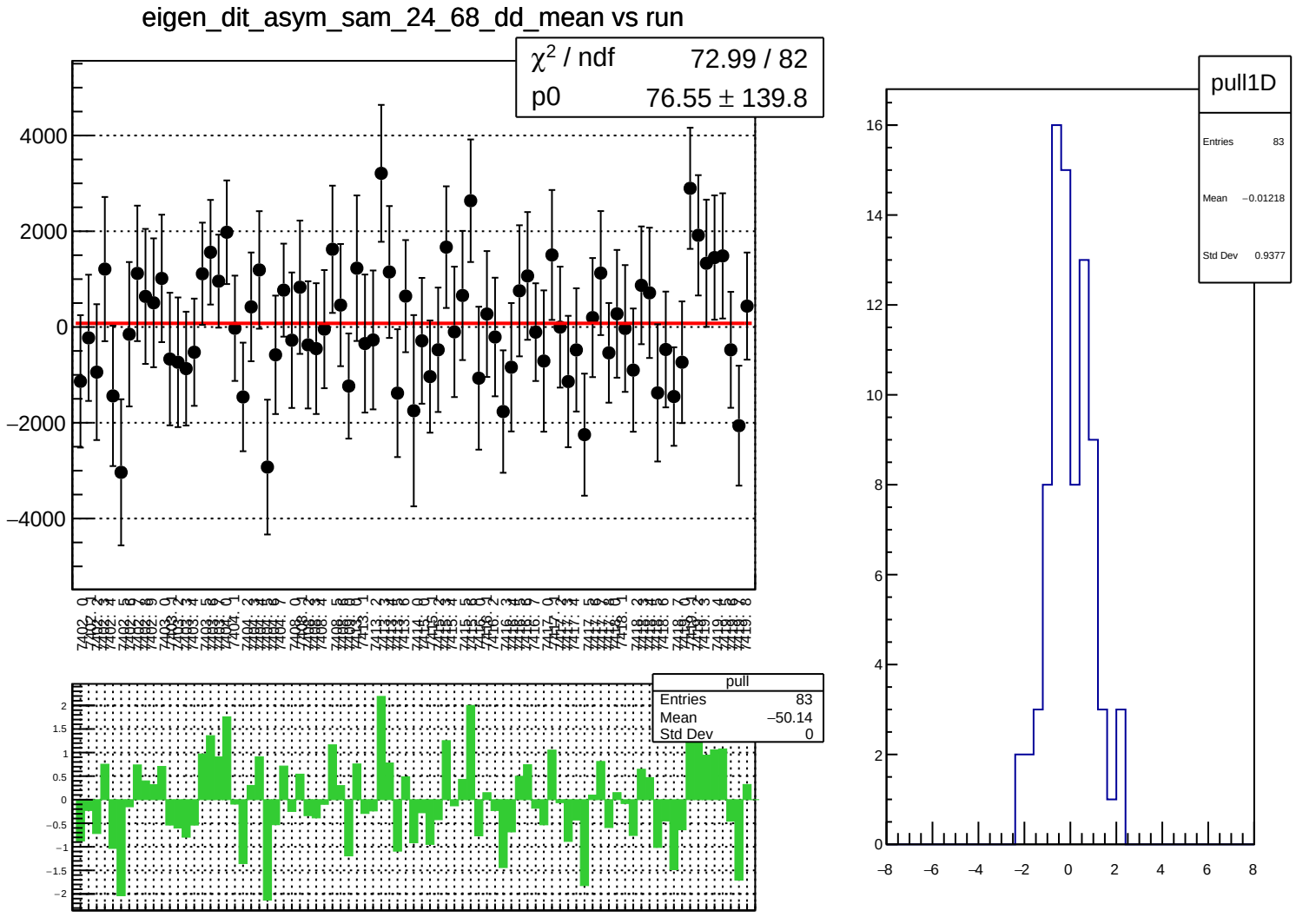

pull1D
Entries 83
Mean −0.01218
Std Dev 0.9377
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

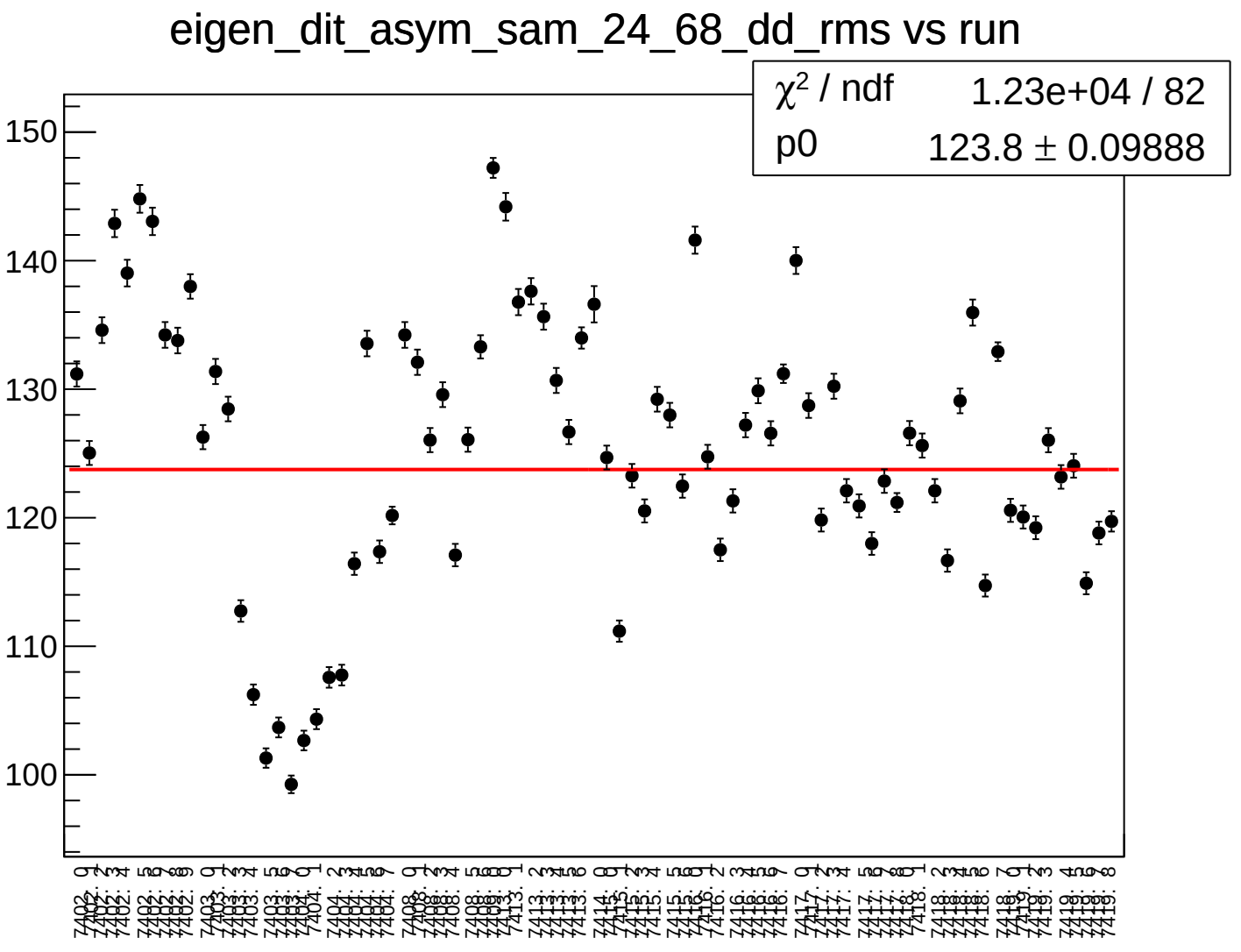

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.23e+04 / 82
p0 123.8 ± 0.09888
150
140
130
120
110
100

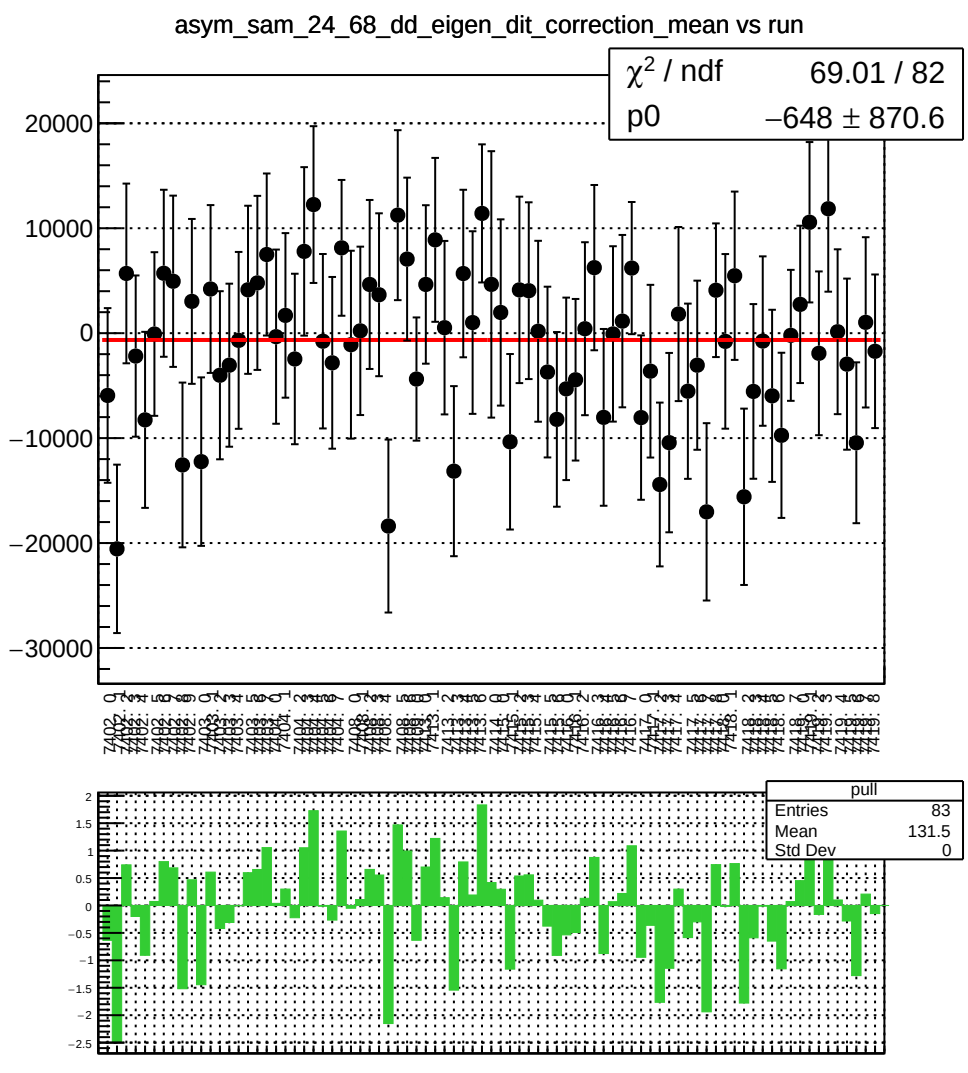

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 69.01 / 82
p0 −648 ± 870.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 131.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

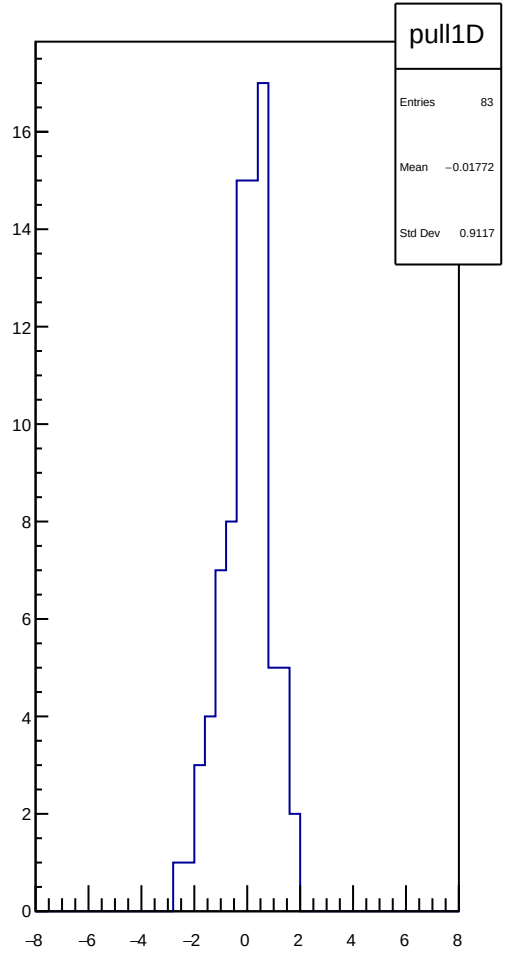

pull1D
Entries 83
Mean −0.01772
Std Dev 0.9117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

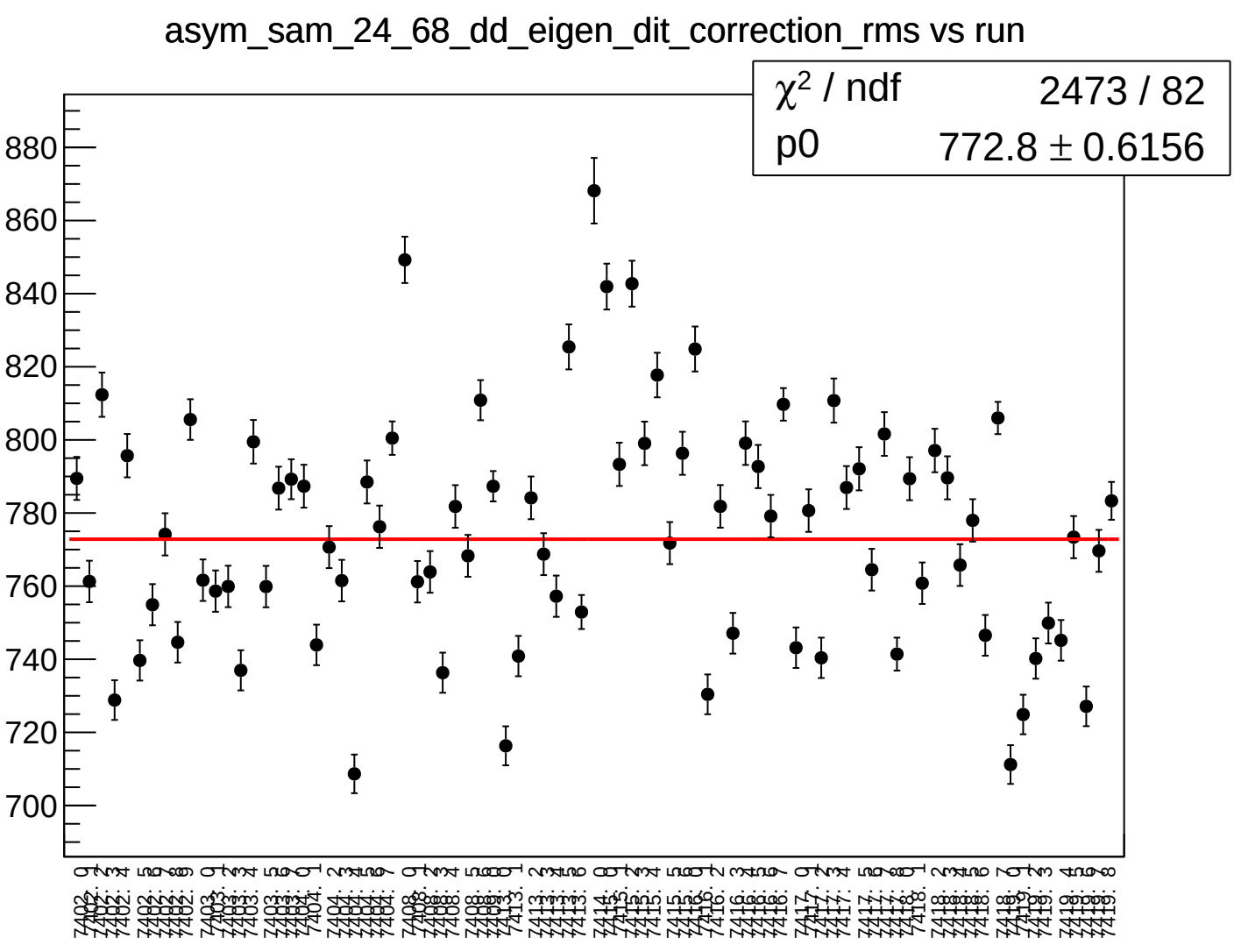

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 2473 / 82
p0 772.8 ± 0.6156
880
860
840
820
800
780
760
740
720
700

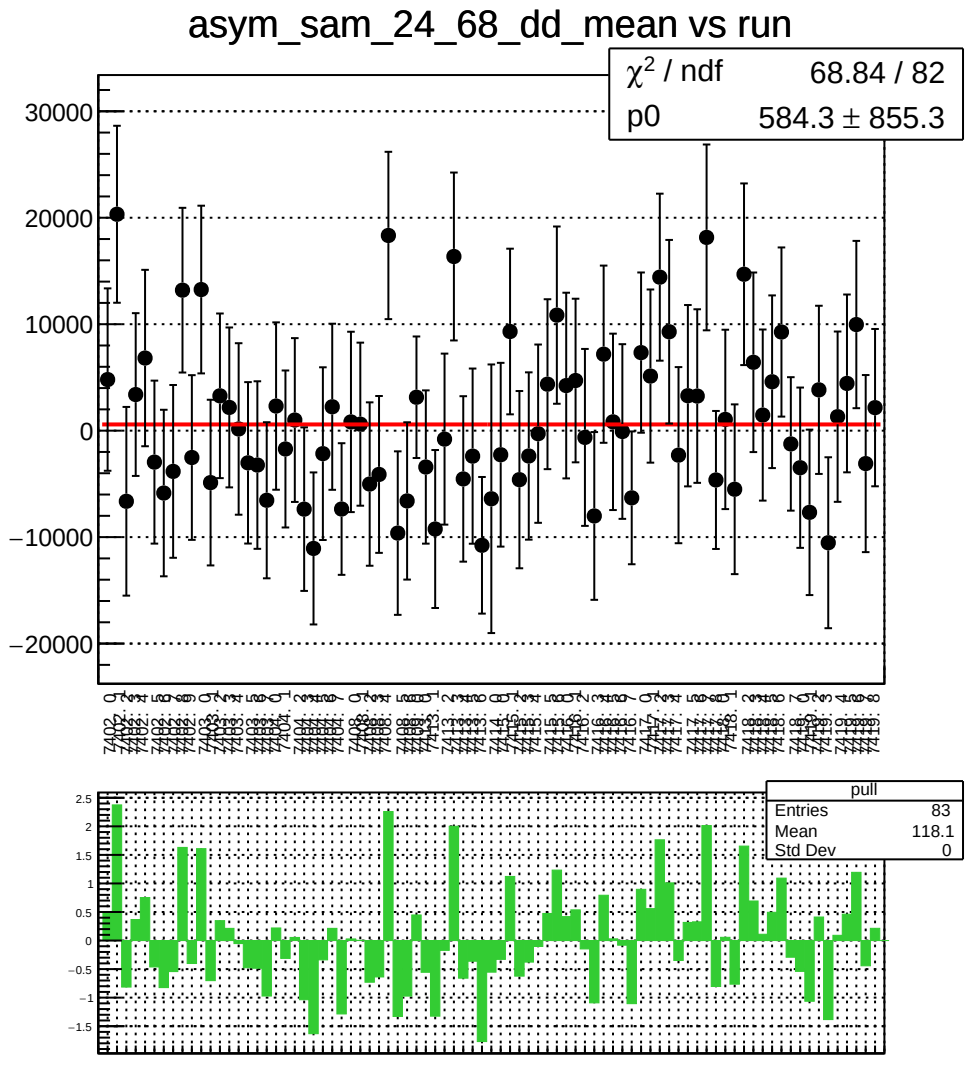

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 72.99 / 82
p0 76.55 ± 139.8
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −50.14
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.01218
Std Dev 0.9377
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

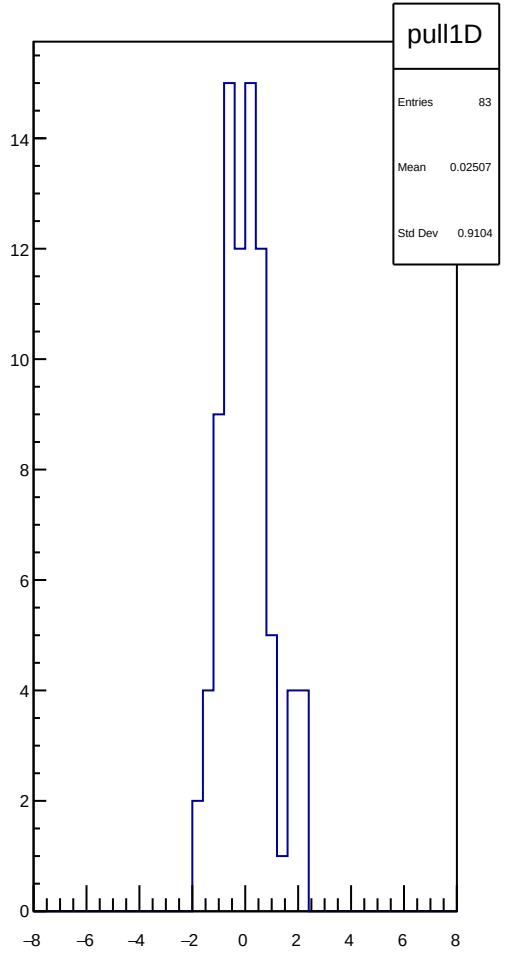

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.23e+04 / 82
p0 123.8 ± 0.09888
150
140
130
120
110
100

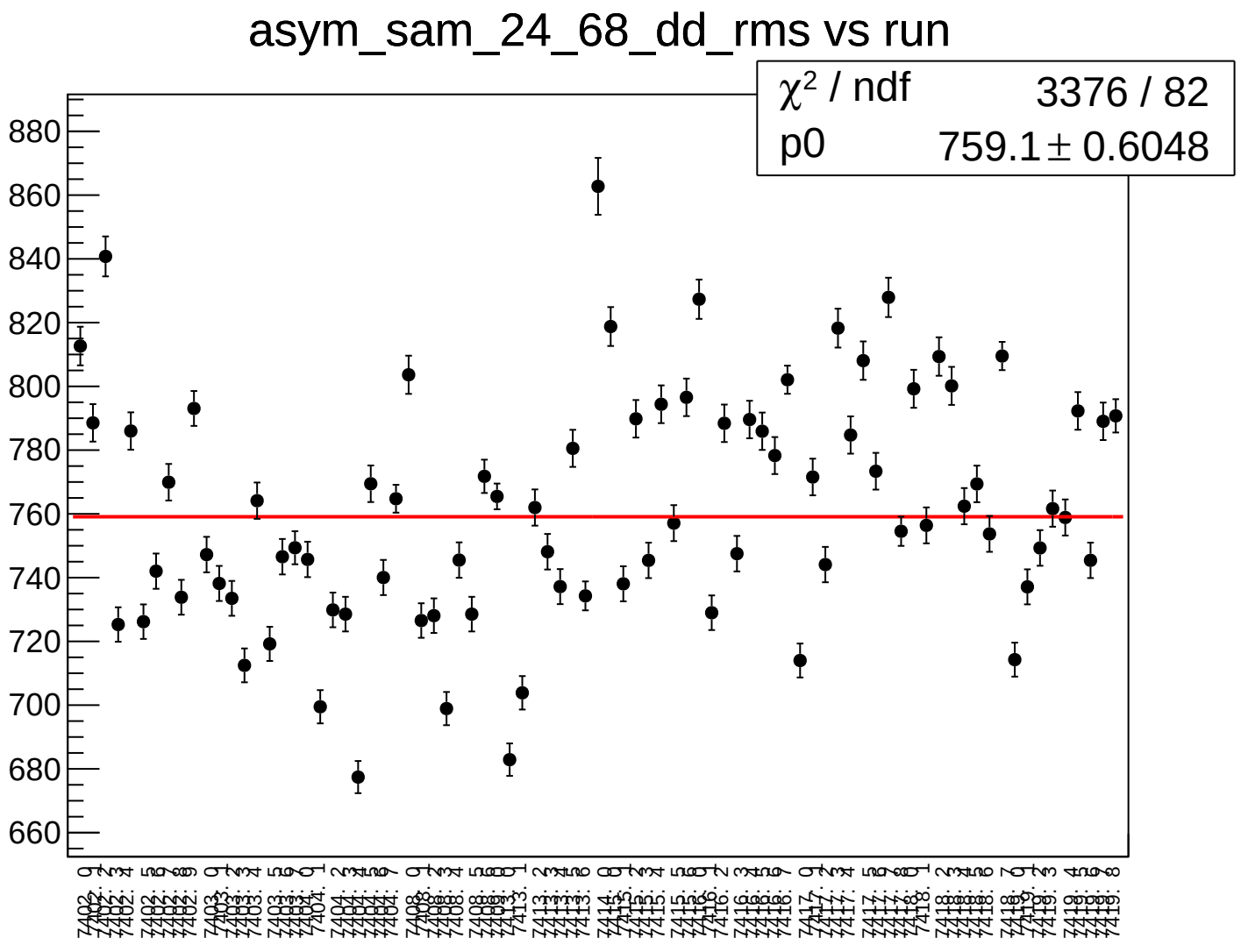

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.01 / 82
p0 −648 ± 870.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 131.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

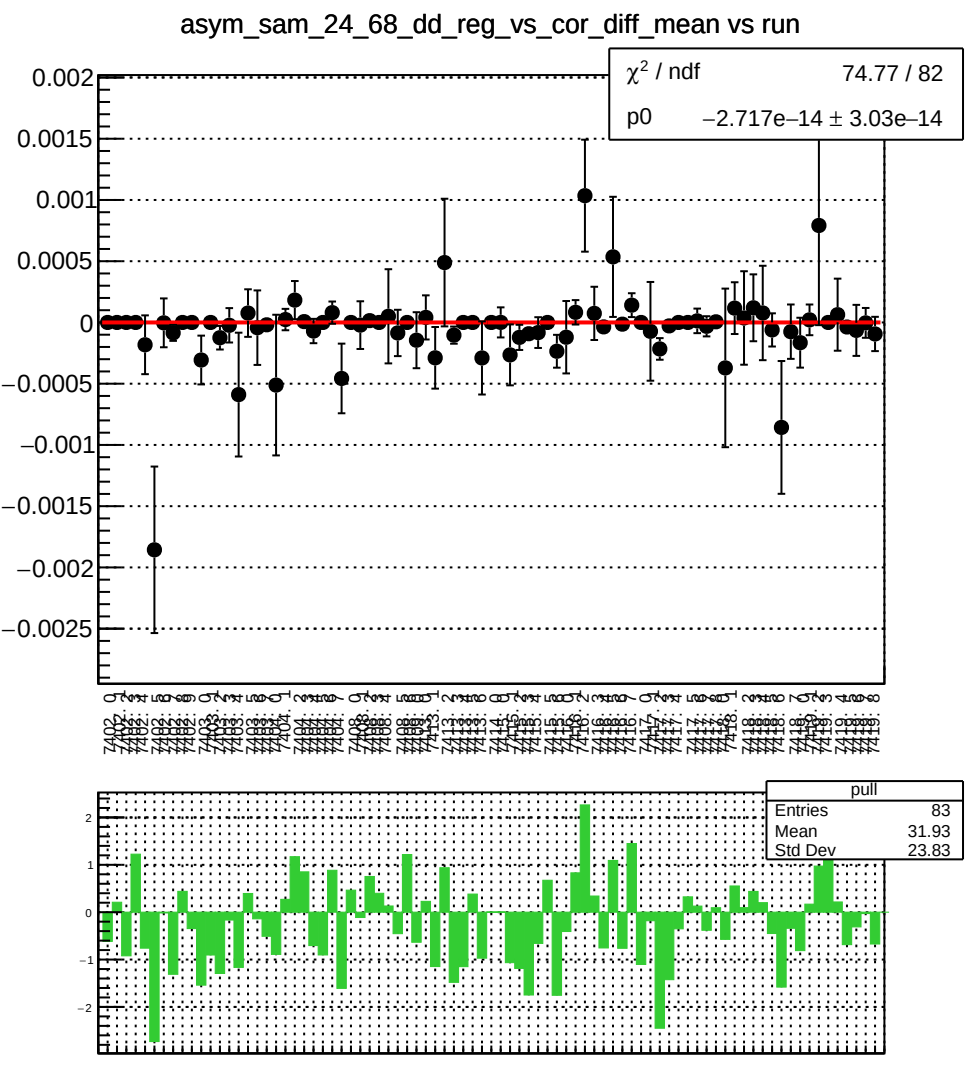

pull1D
Entries 83
Mean −0.01772
Std Dev 0.9117
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

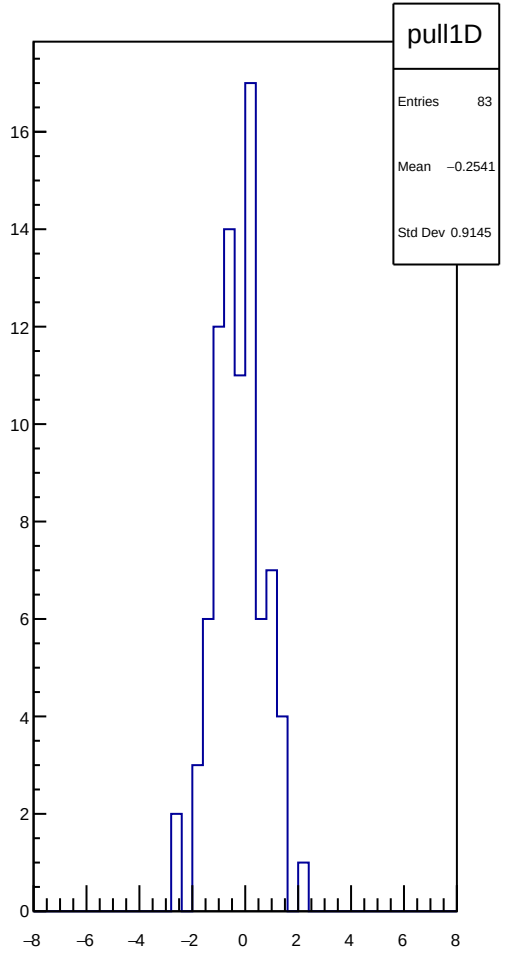

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2473 / 82
p0 772.8 ± 0.6156
880
860
840
820
800
780
760
740
720
700

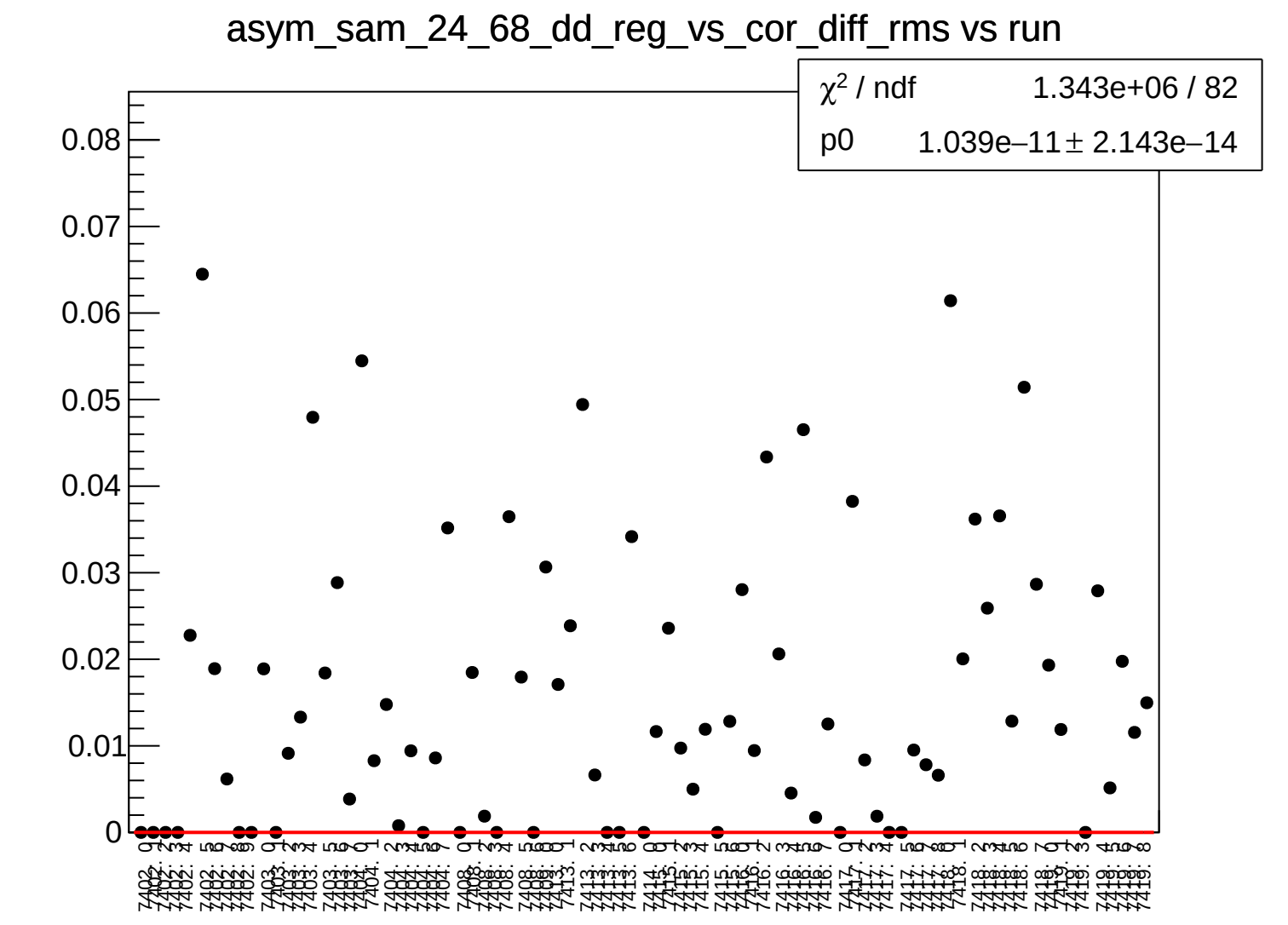

asym_sam_24_68_dd_mean vs run
χ² / ndf 68.84 / 82
p0 584.3 ± 855.3
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 118.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

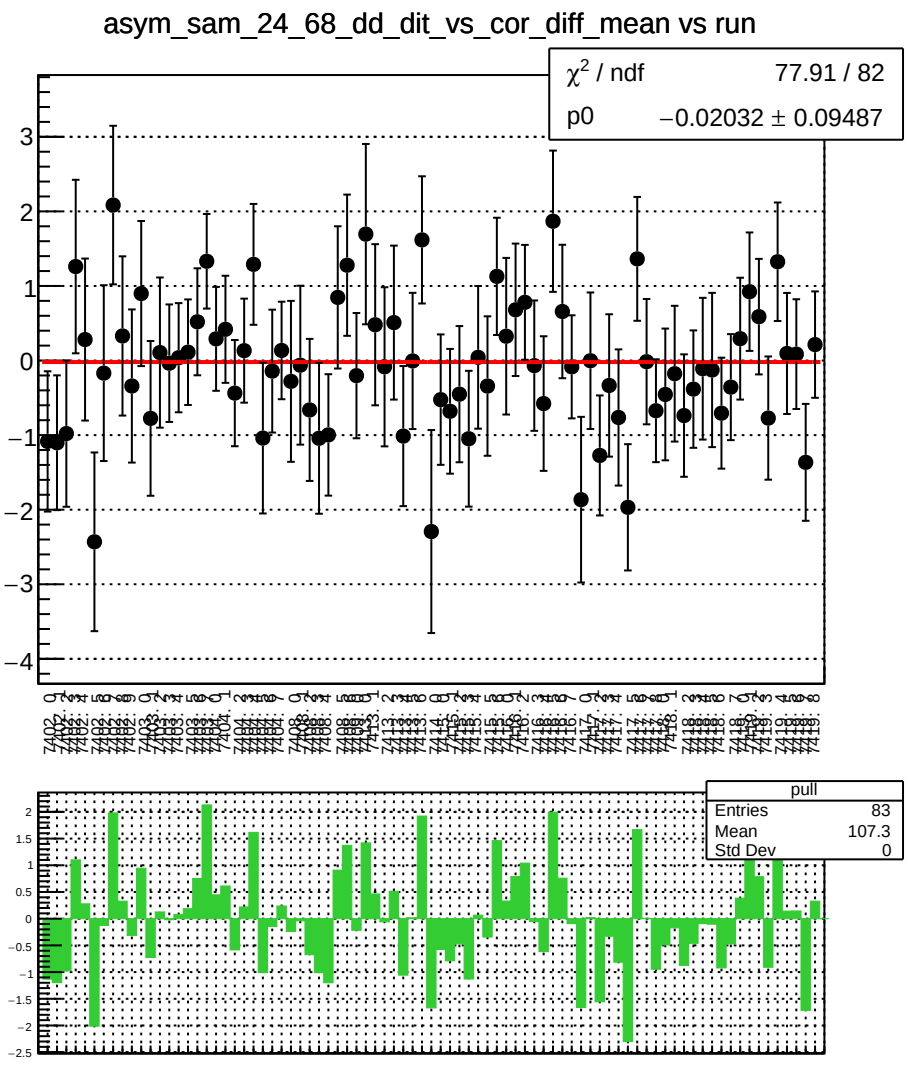

pull1D
Entries 83
Mean 0.02507
Std Dev 0.9104
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

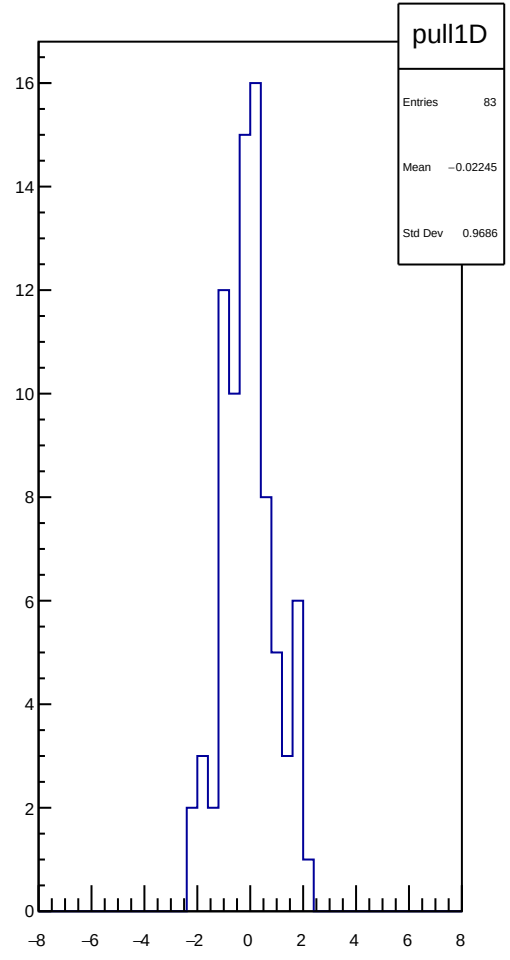

asym_sam_24_68_dd_rms vs run
χ² / ndf 3376 / 82
p0 759.1 ± 0.6048
880
860
840
820
800
780
760
740
720
700
680
660

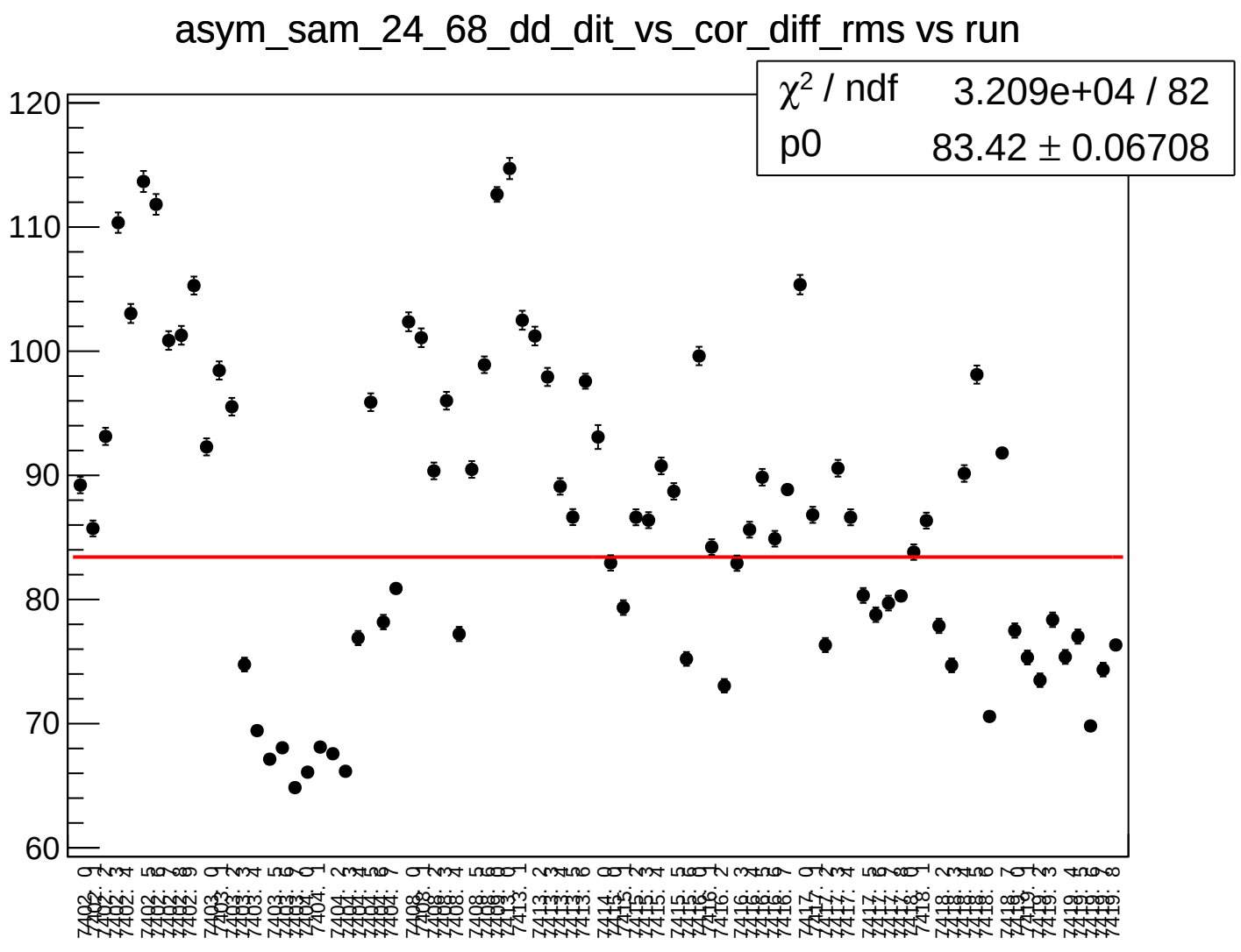

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 74.77 / 82
p0 −2.717e−14 ± 3.03e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 83
Mean 31.93
Std Dev 23.83
2
1
0
−1
−2

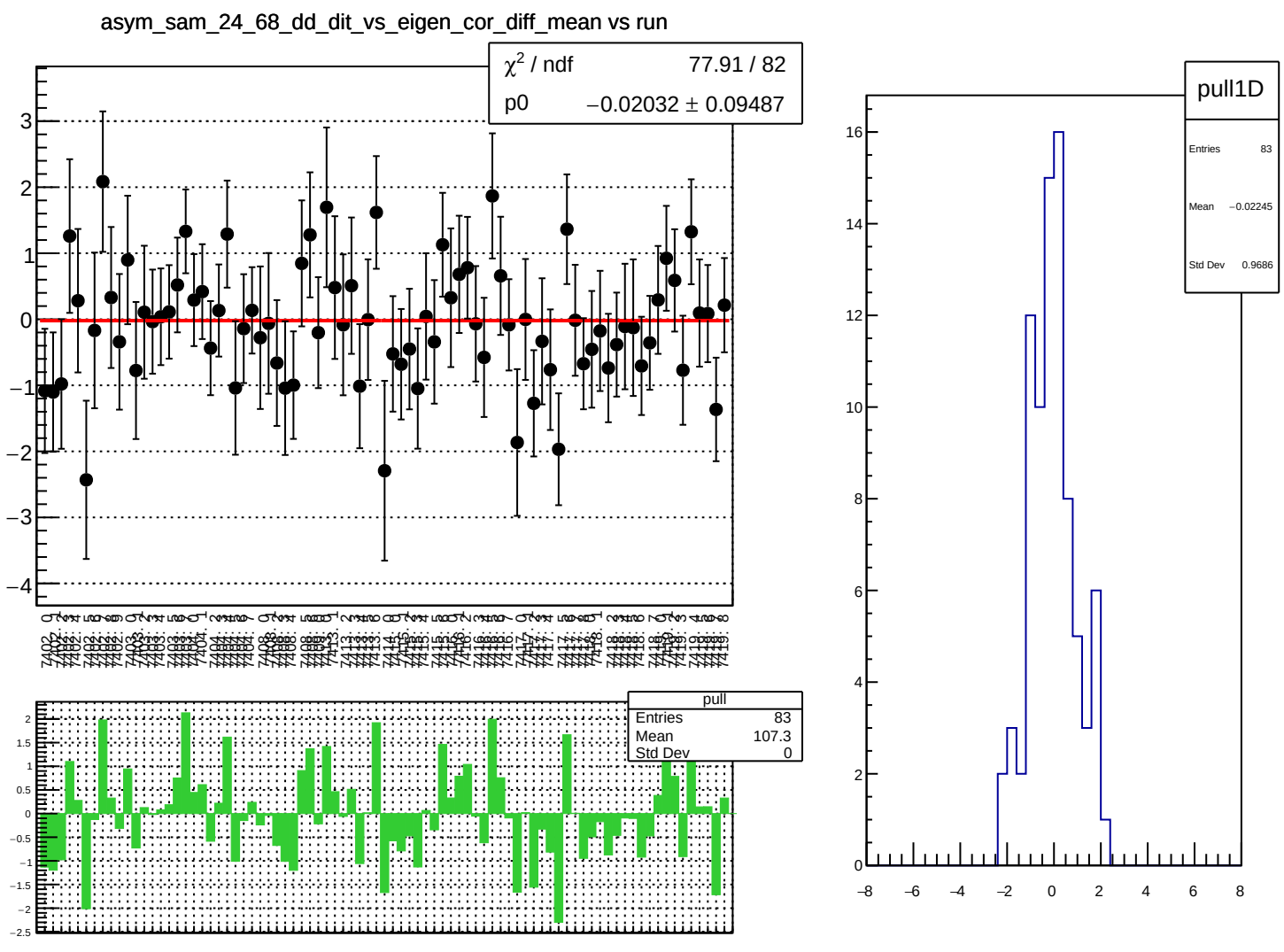

pull1D
Entries 83
Mean −0.2541
Std Dev 0.9145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

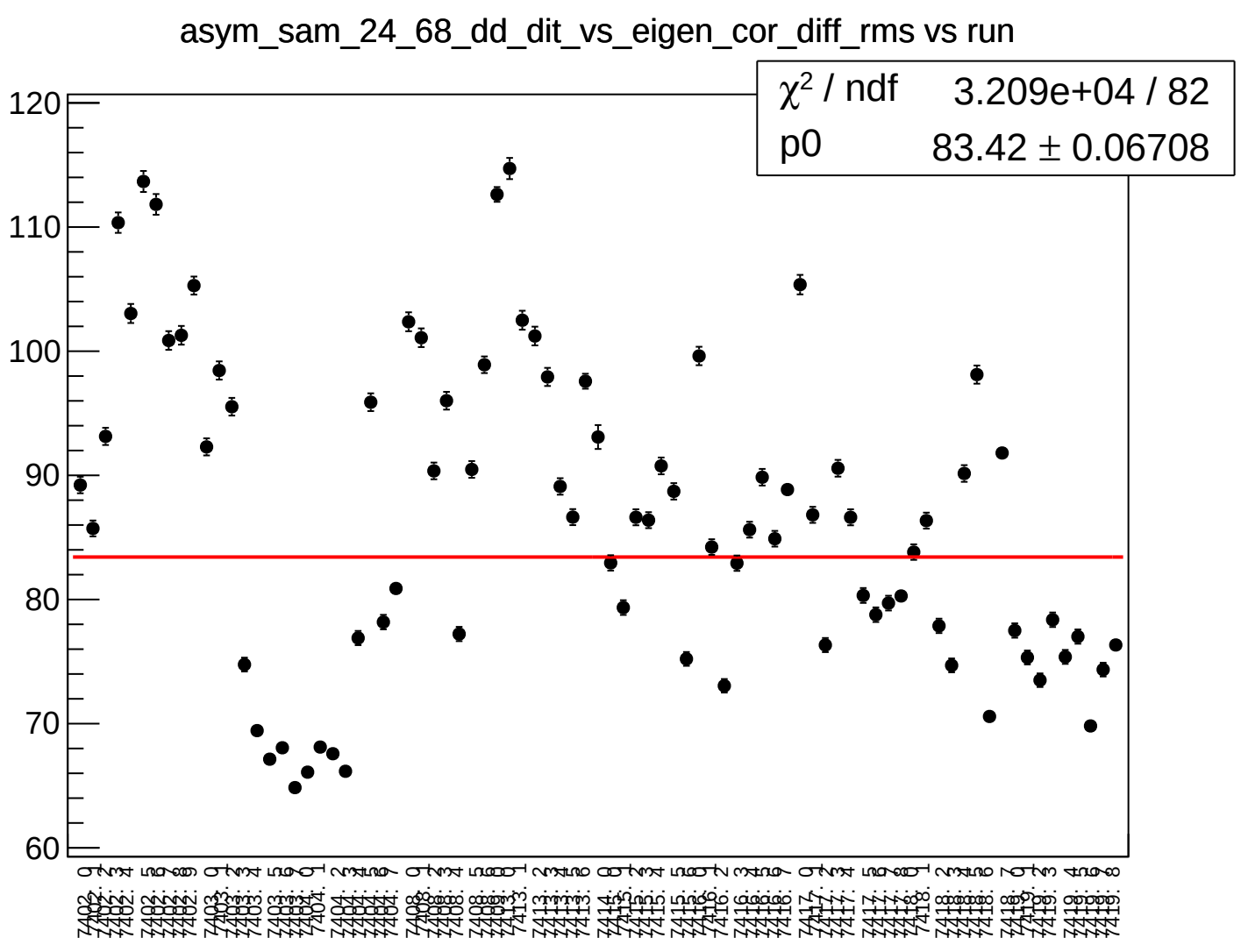

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.343e+06 / 82
p0 1.039e−11 ± 2.143e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

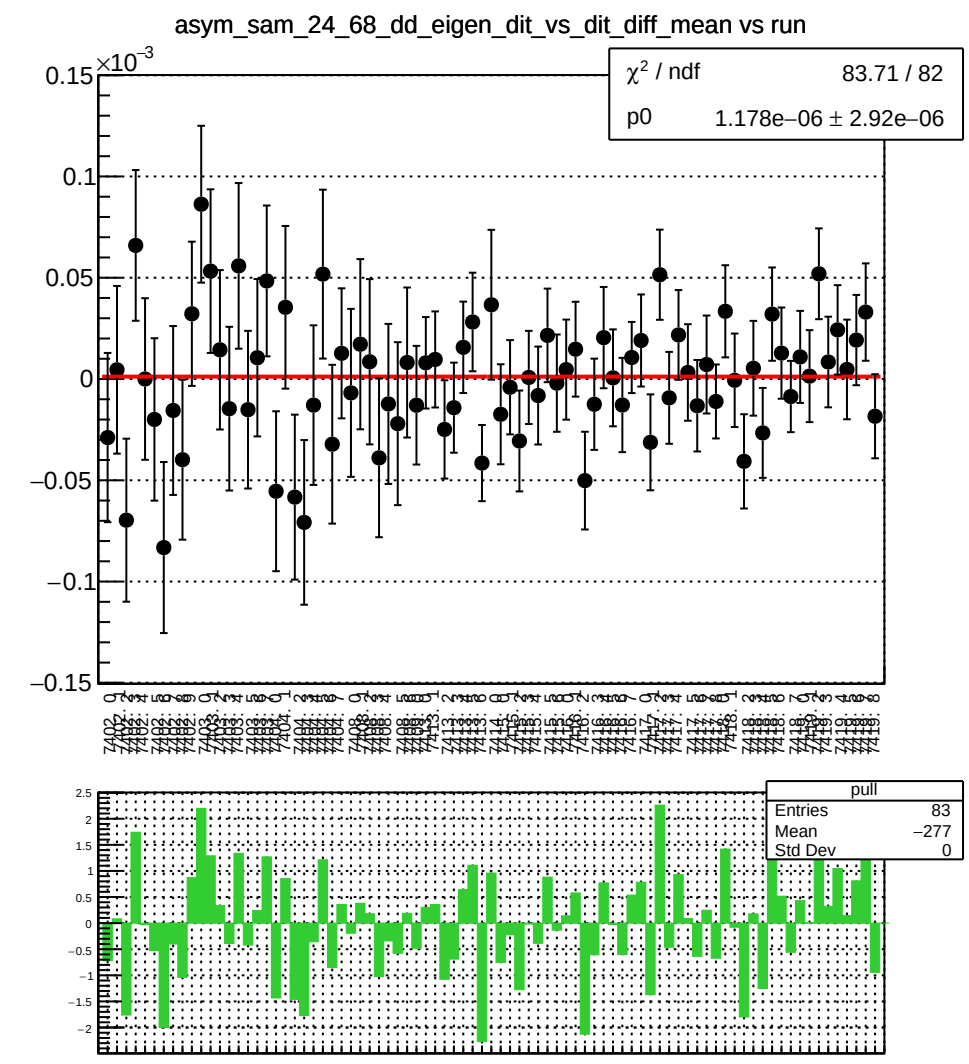

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.91 / 82
p0 −0.02032 ± 0.09487
pull
Entries 83
Mean 107.3
Std Dev 0

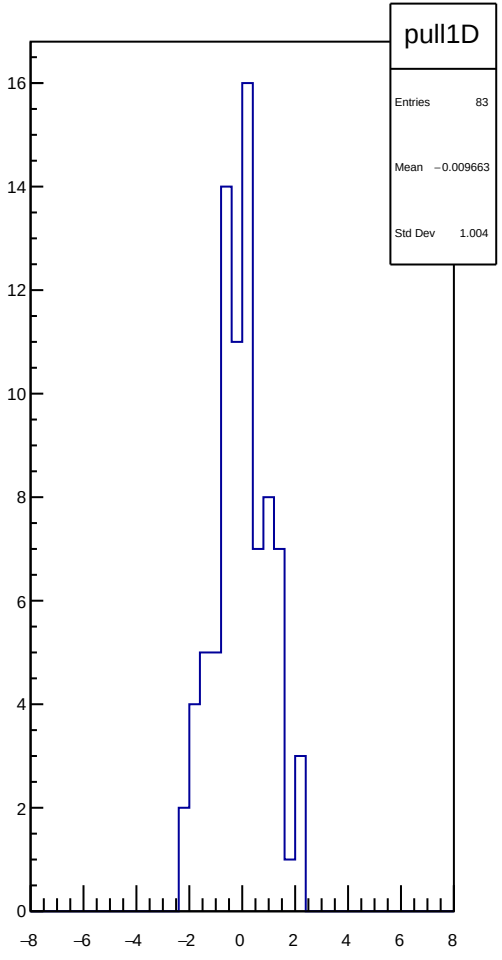

pull1D
Entries 83
Mean −0.02245
Std Dev 0.9686

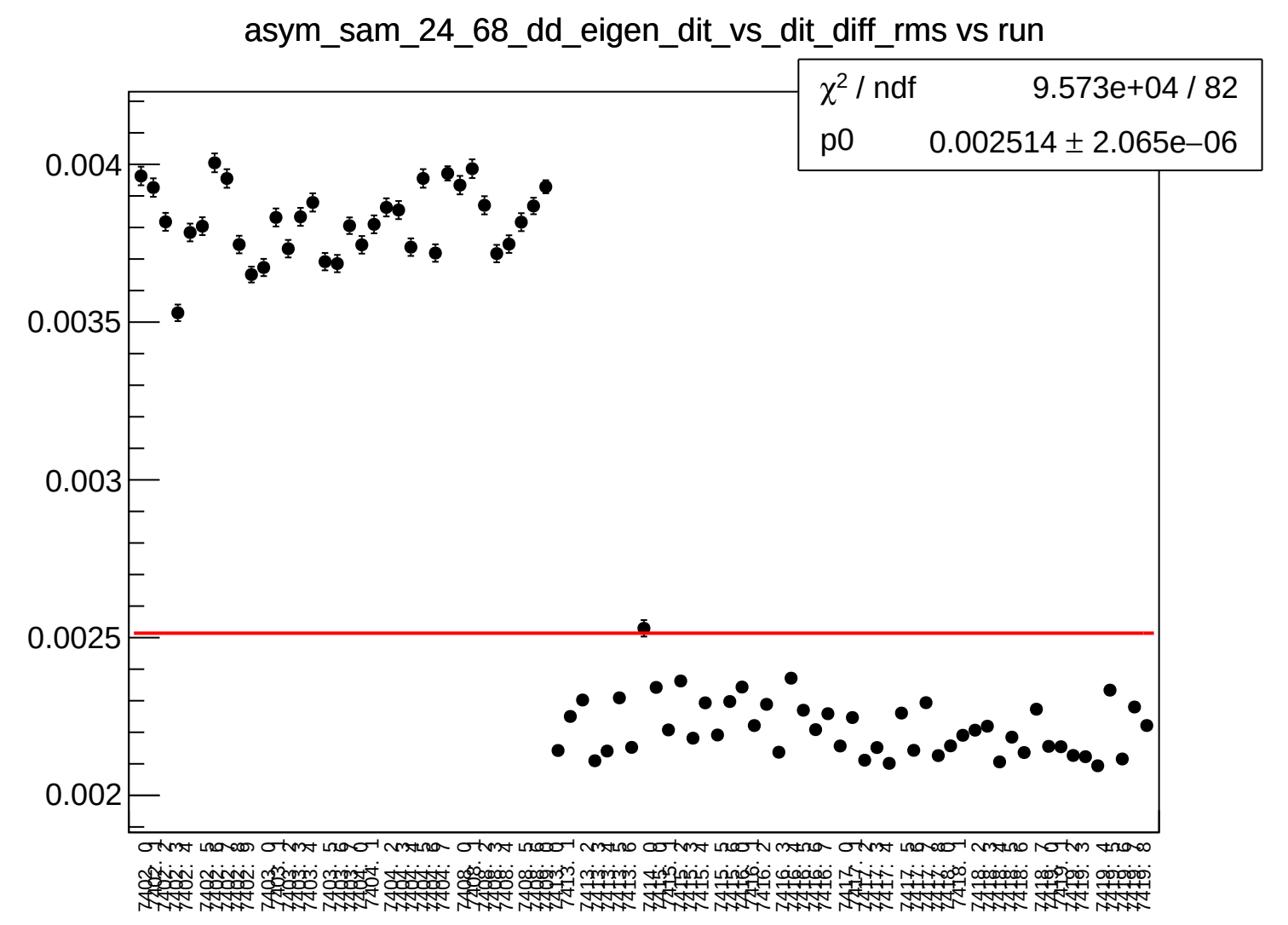

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.209e+04 / 82
p0 83.42 ± 0.06708
120
110
100
90
80
70
60

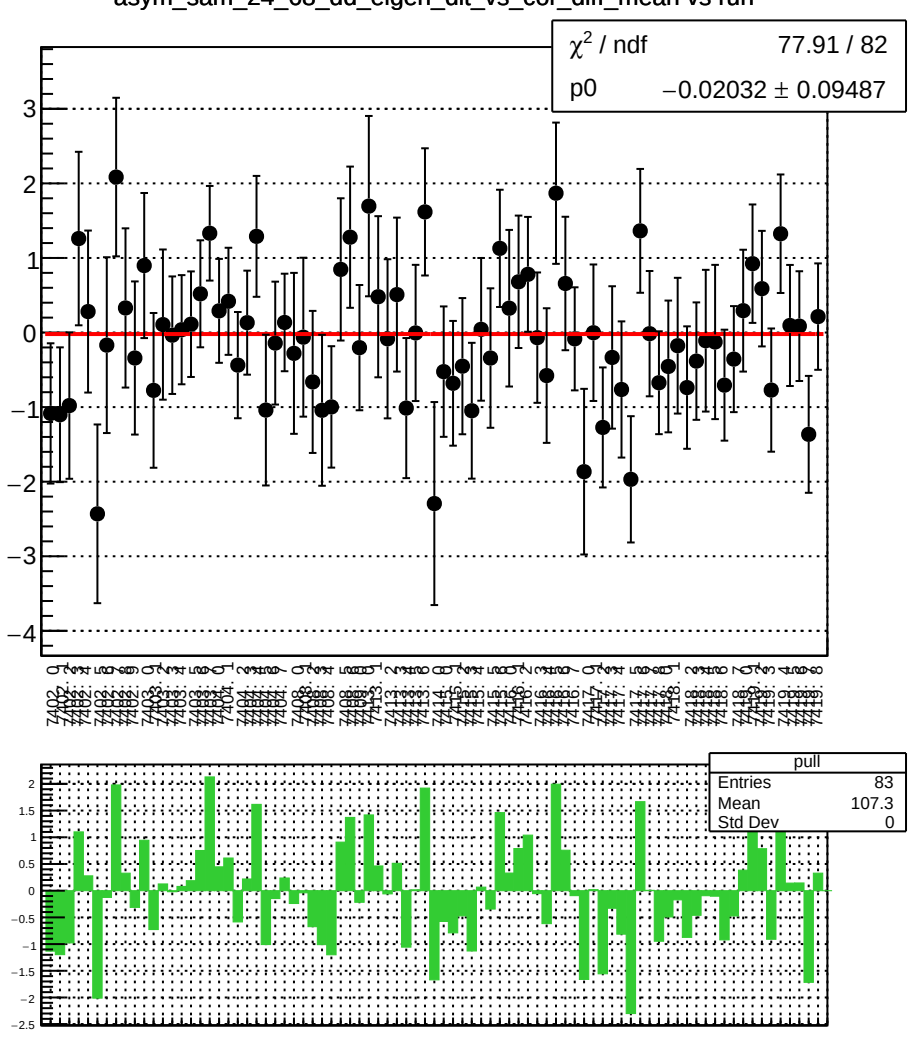

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.91 / 82
p0 −0.02032 ± 0.09487
pull
Entries 83
Mean 107.3
Std Dev 0
pull1D
Entries 83
Mean −0.02245
Std Dev 0.9686

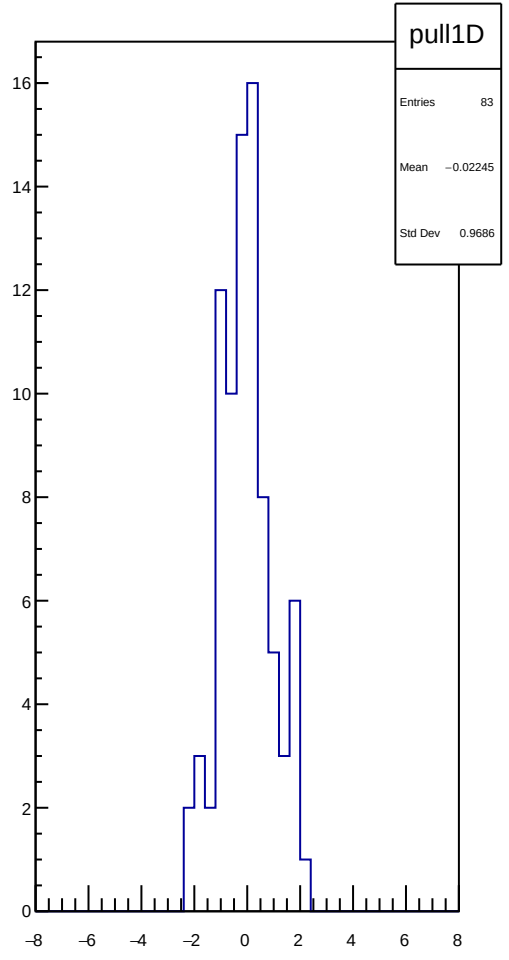

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.209e+04 / 82
p0 83.42 ± 0.06708
120
110
100
90
80
70
60

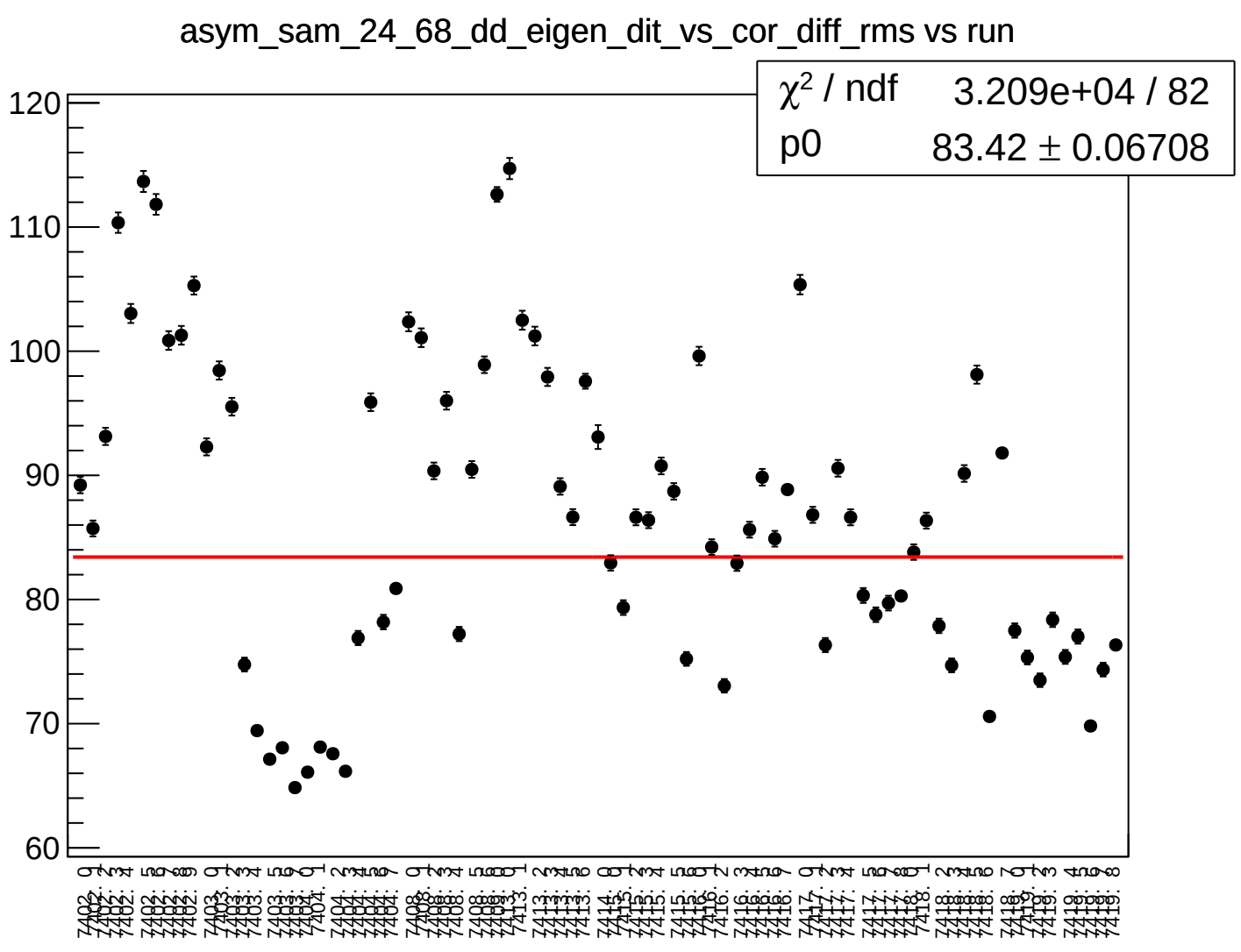

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 83.71 / 82
p0 1.178e−06 ± 2.92e−06
×10⁻³
pull
Entries 83
Mean −277
Std Dev 0

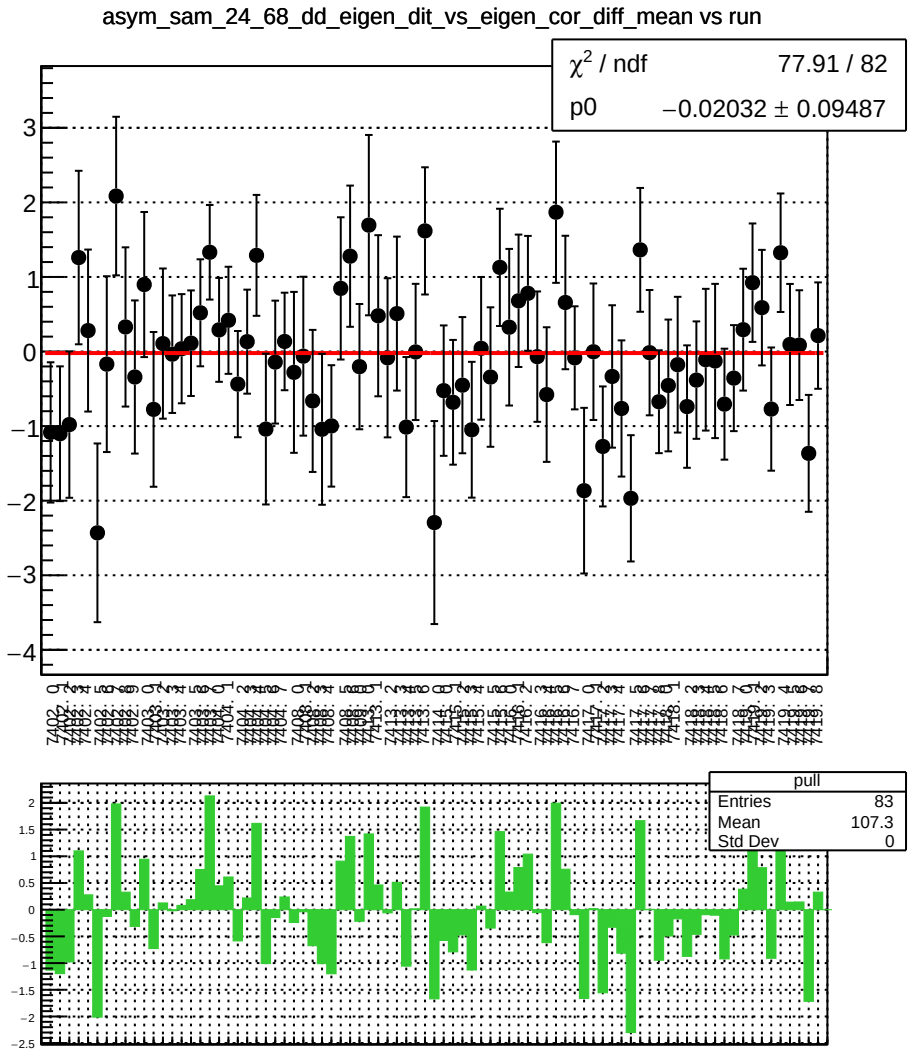

pull1D
Entries 83
Mean −0.009663
Std Dev 1.004

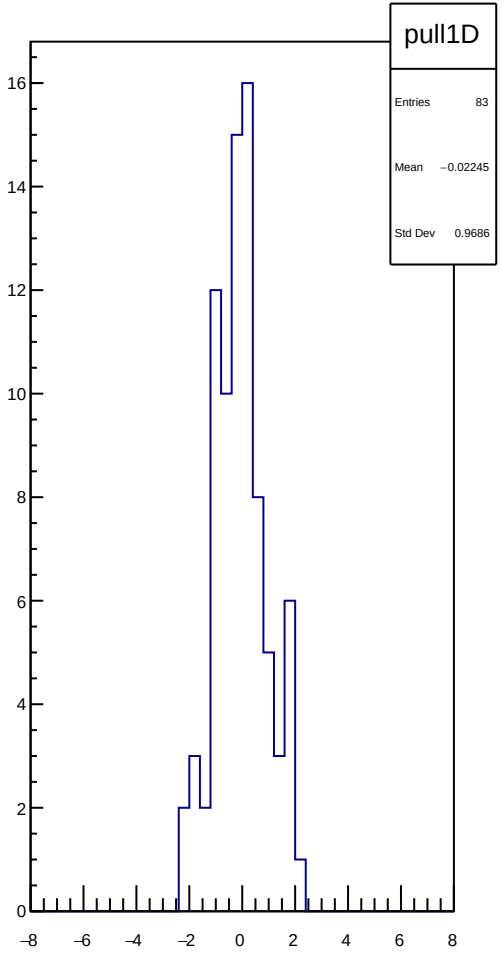

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9.573e+04 / 82
p0 0.002514 ± 2.065e−06
0.004
0.0035
0.003
0.0025
0.002

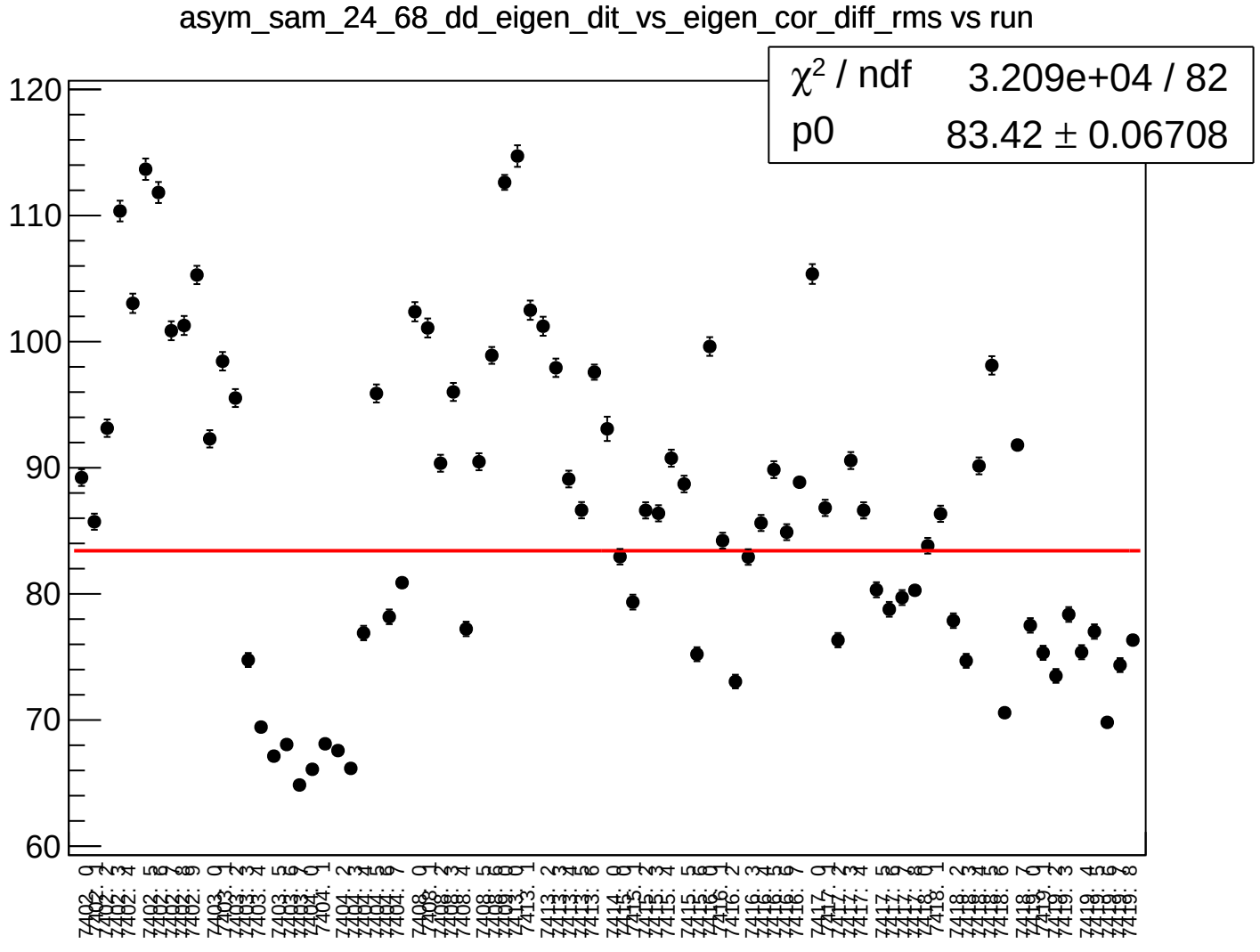

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.91 / 82
p0 −0.02032 ± 0.09487
pull
Entries 83
Mean 107.3
Std Dev 0

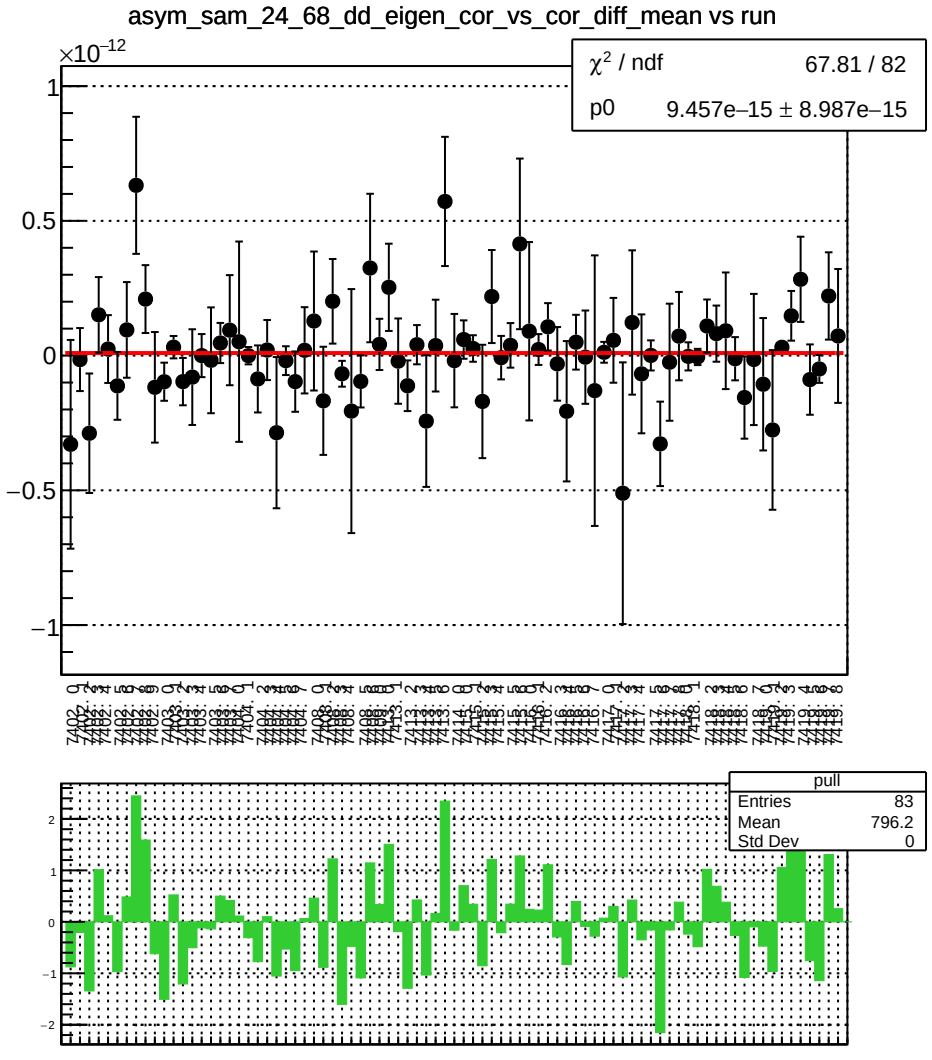

pull1D
Entries 83
Mean −0.02245
Std Dev 0.9686

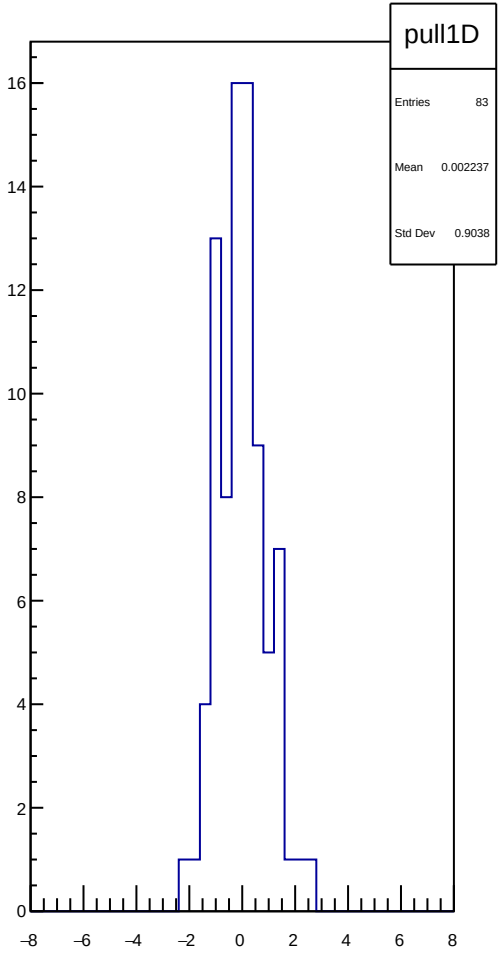

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.209e+04 / 82
p0 83.42 ± 0.06708
120
110
100
90
80
70
60

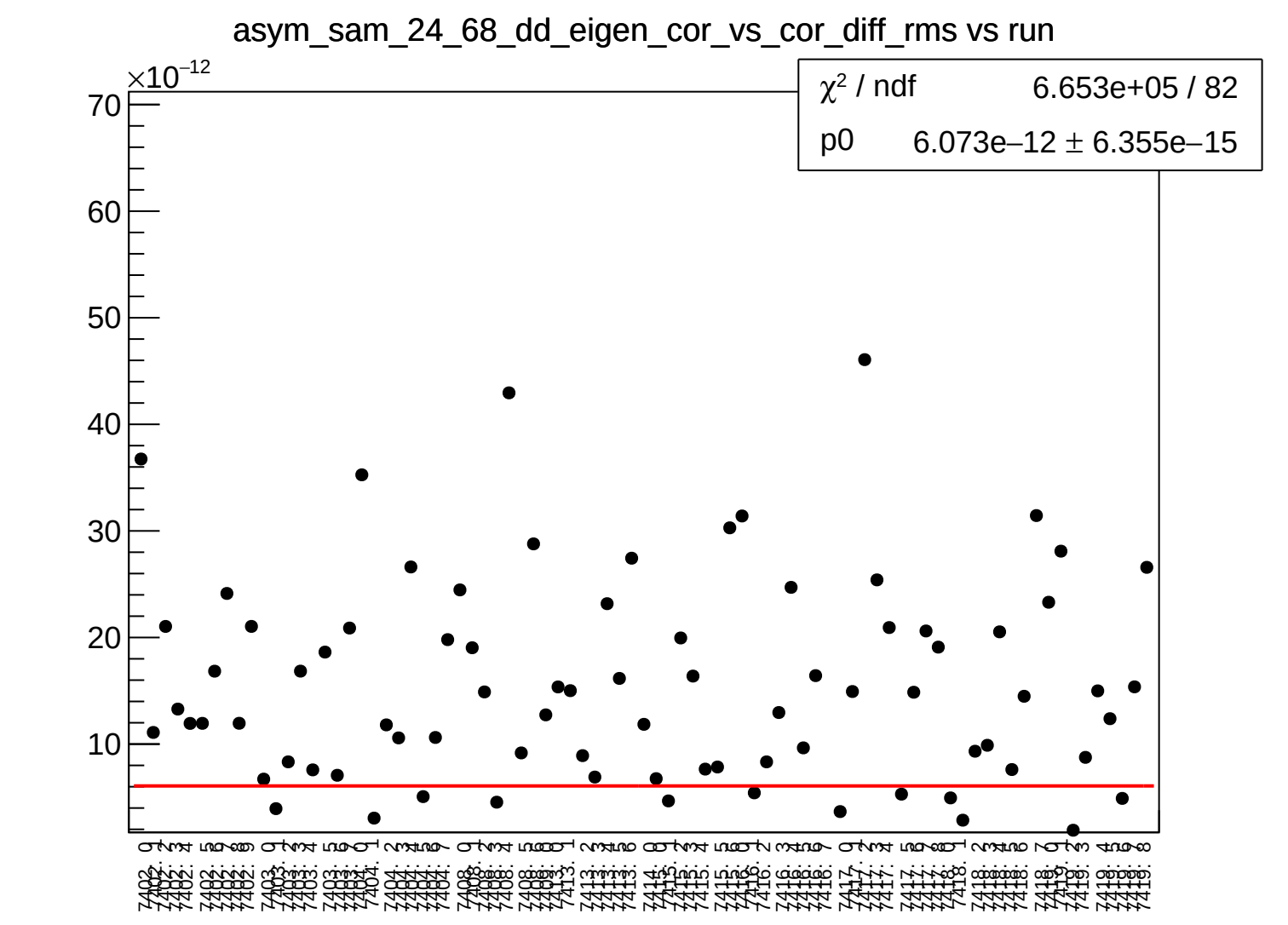

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.91 / 82
p0 −0.02032 ± 0.09487
pull
Entries 83
Mean 107.3
Std Dev 0

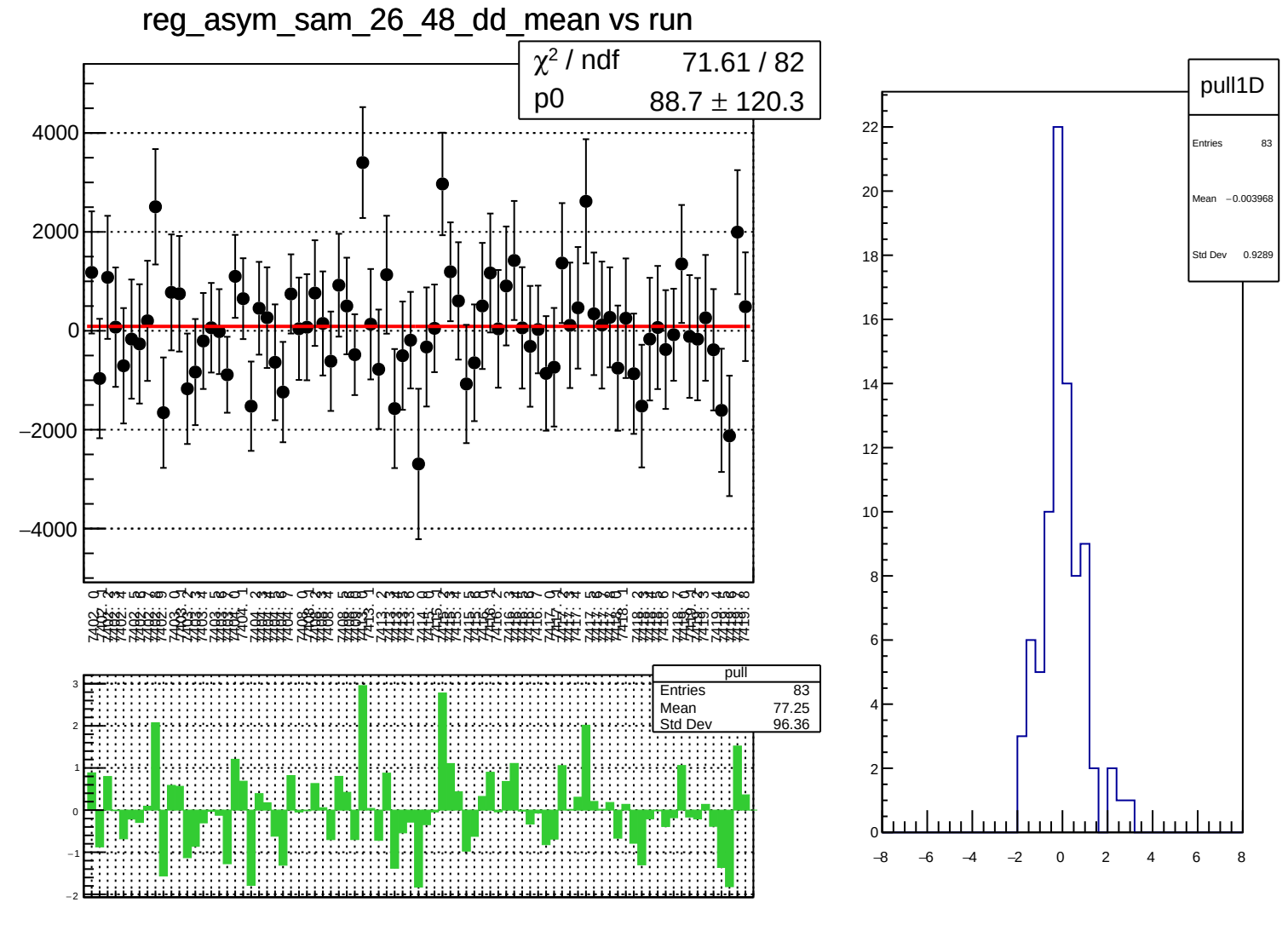

pull1D
Entries 83
Mean −0.02245
Std Dev 0.9686

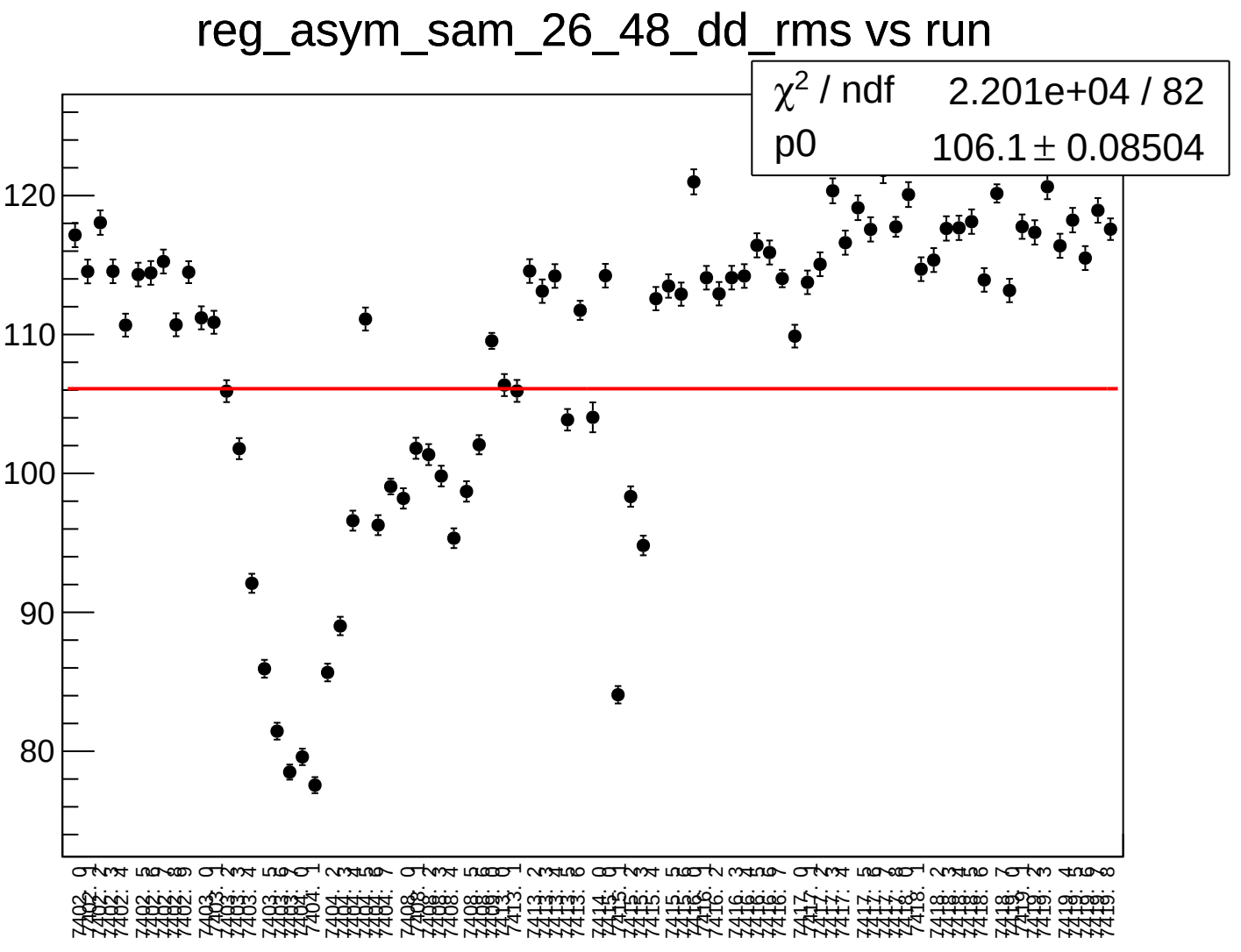

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.209e+04 / 82
p0 83.42 ± 0.06708
120
110
100
90
80
70
60

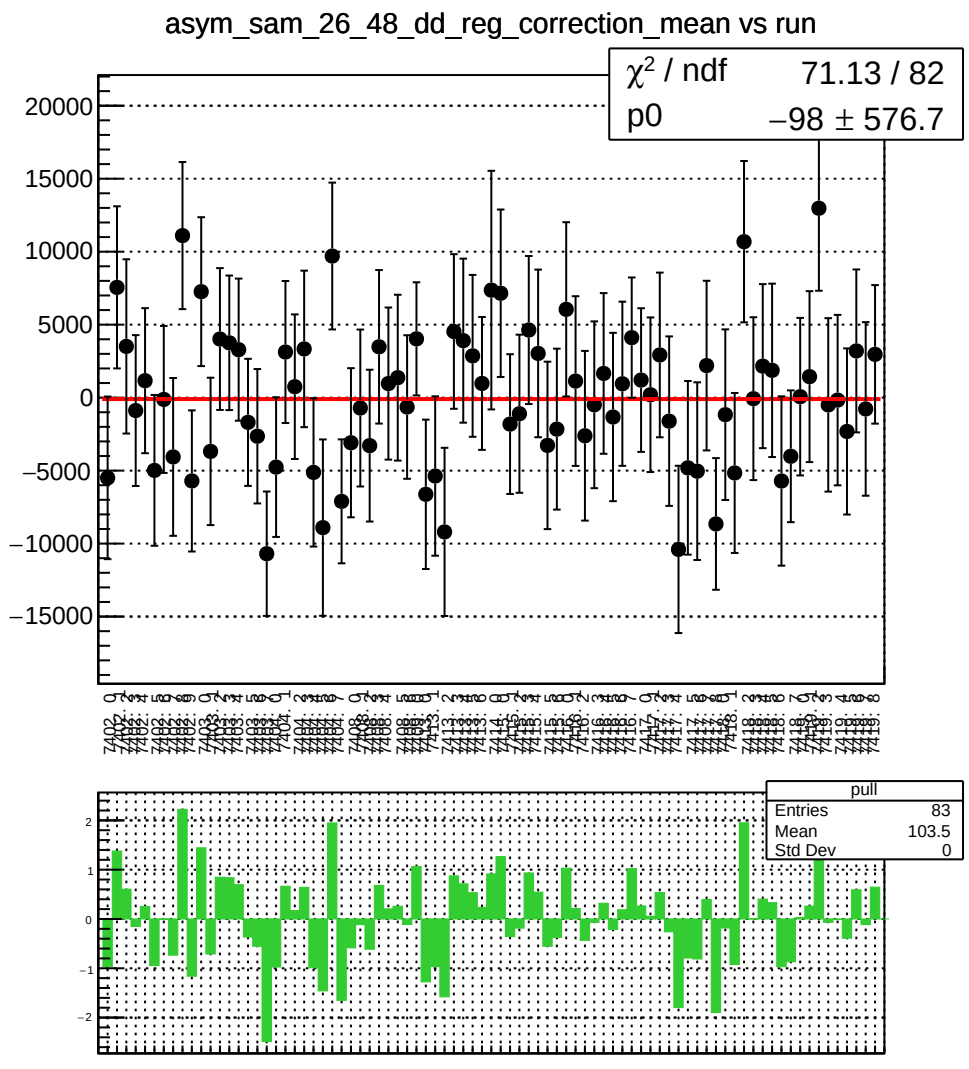

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.81 / 82
p0 9.457e−15 ± 8.987e−15
pull
Entries 83
Mean 796.2
Std Dev 0

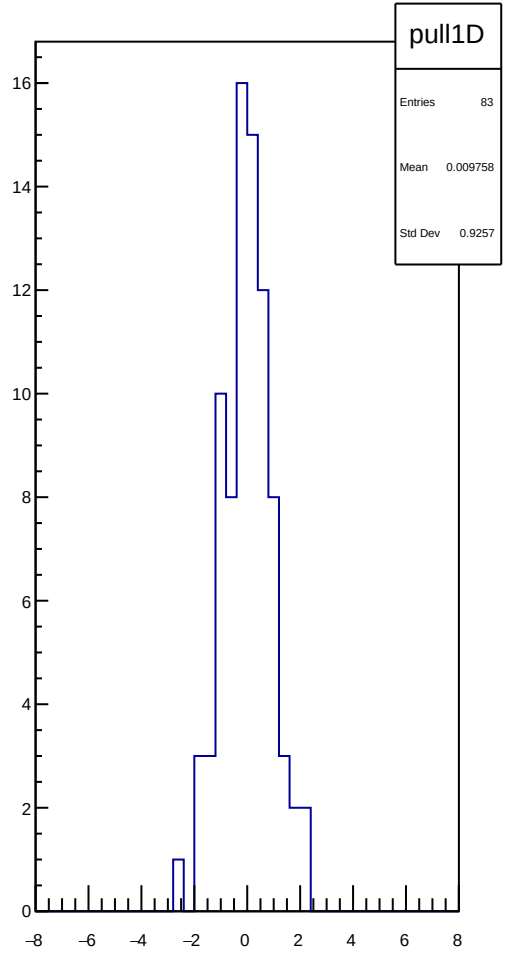

pull1D
Entries 83
Mean 0.002237
Std Dev 0.9038

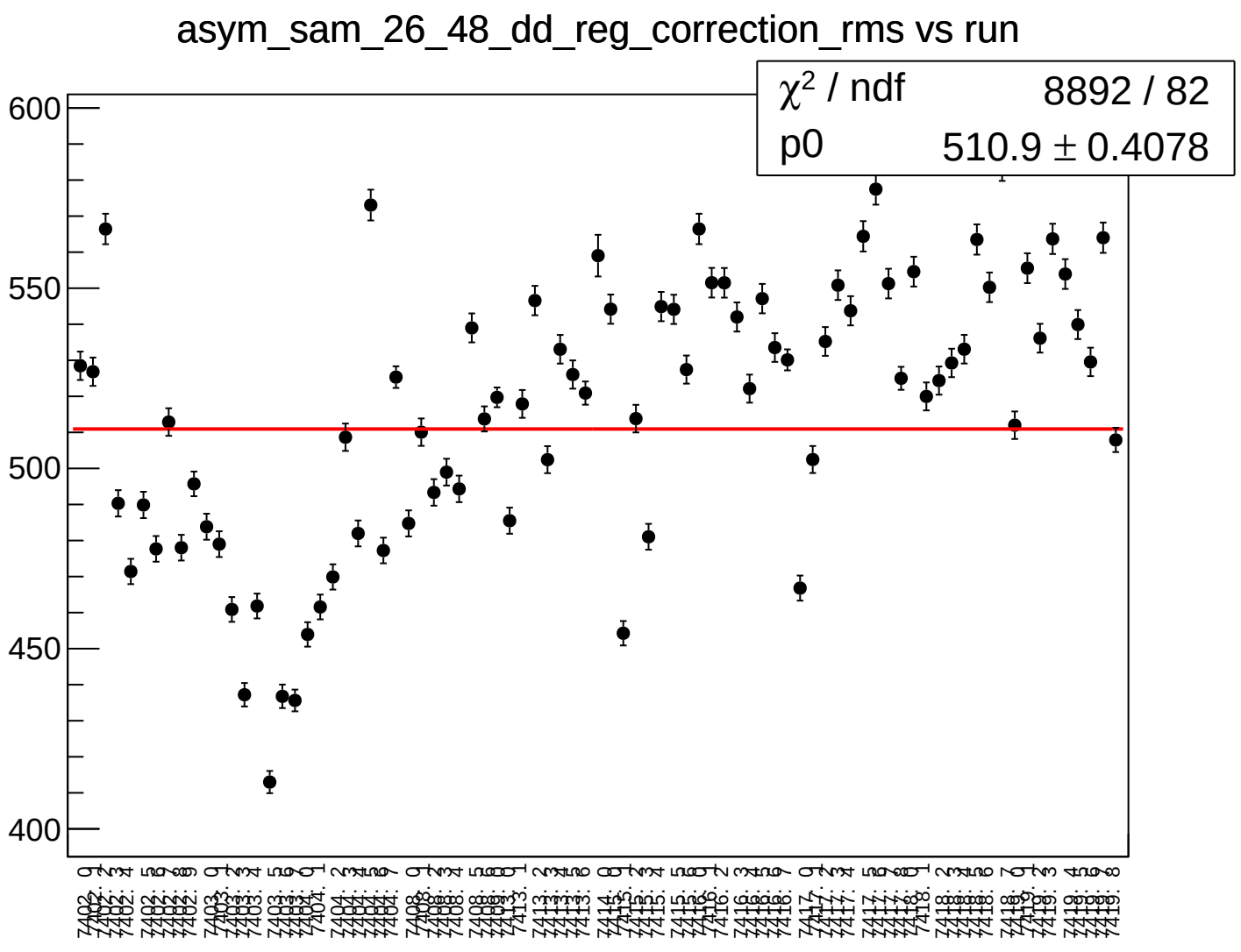

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
70
60
50
40
30
20
10
χ² / ndf 6.653e+05 / 82
p0 6.073e−12 ± 6.355e−15

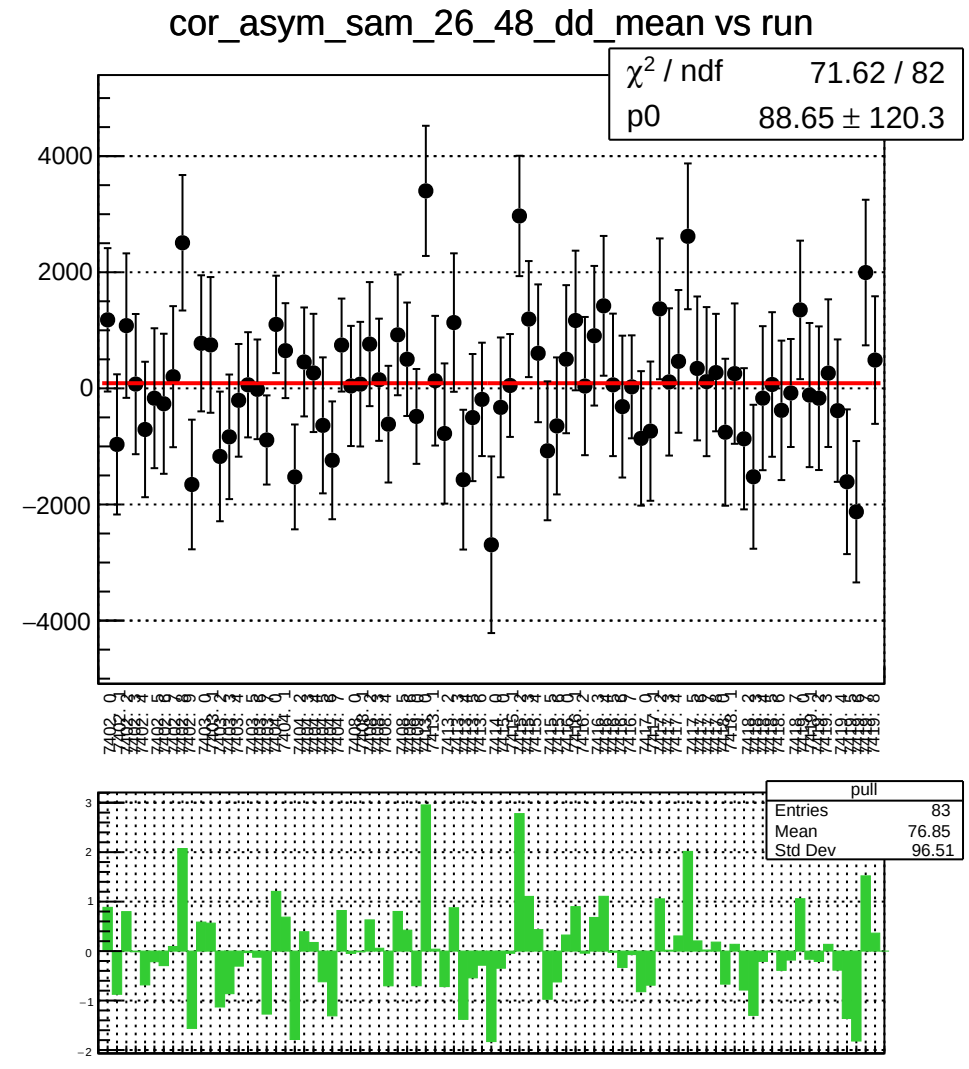

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 71.61 / 82
p0 88.7 ± 120.3
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 77.25
Std Dev 96.36
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.003968
Std Dev 0.9289
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

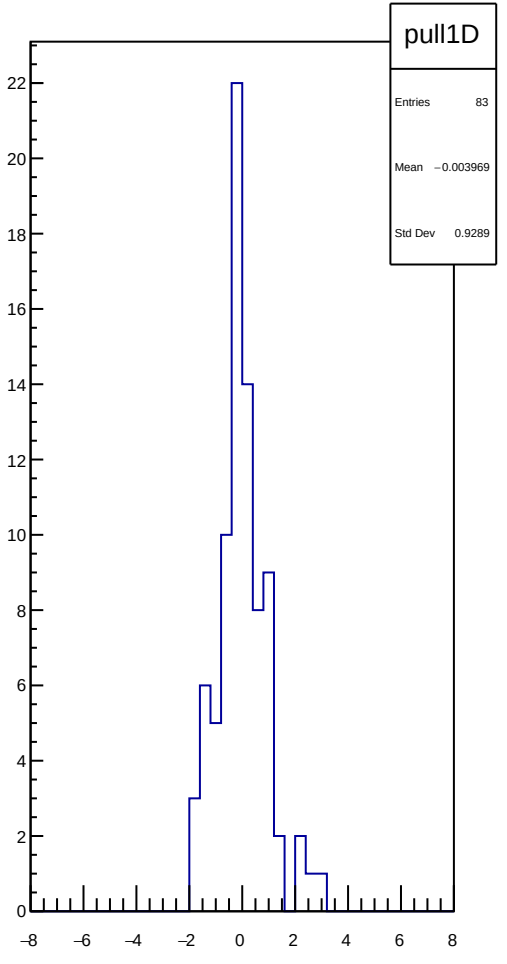

reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.201e+04 / 82
p0 106.1 ± 0.08504
120
110
100
90
80

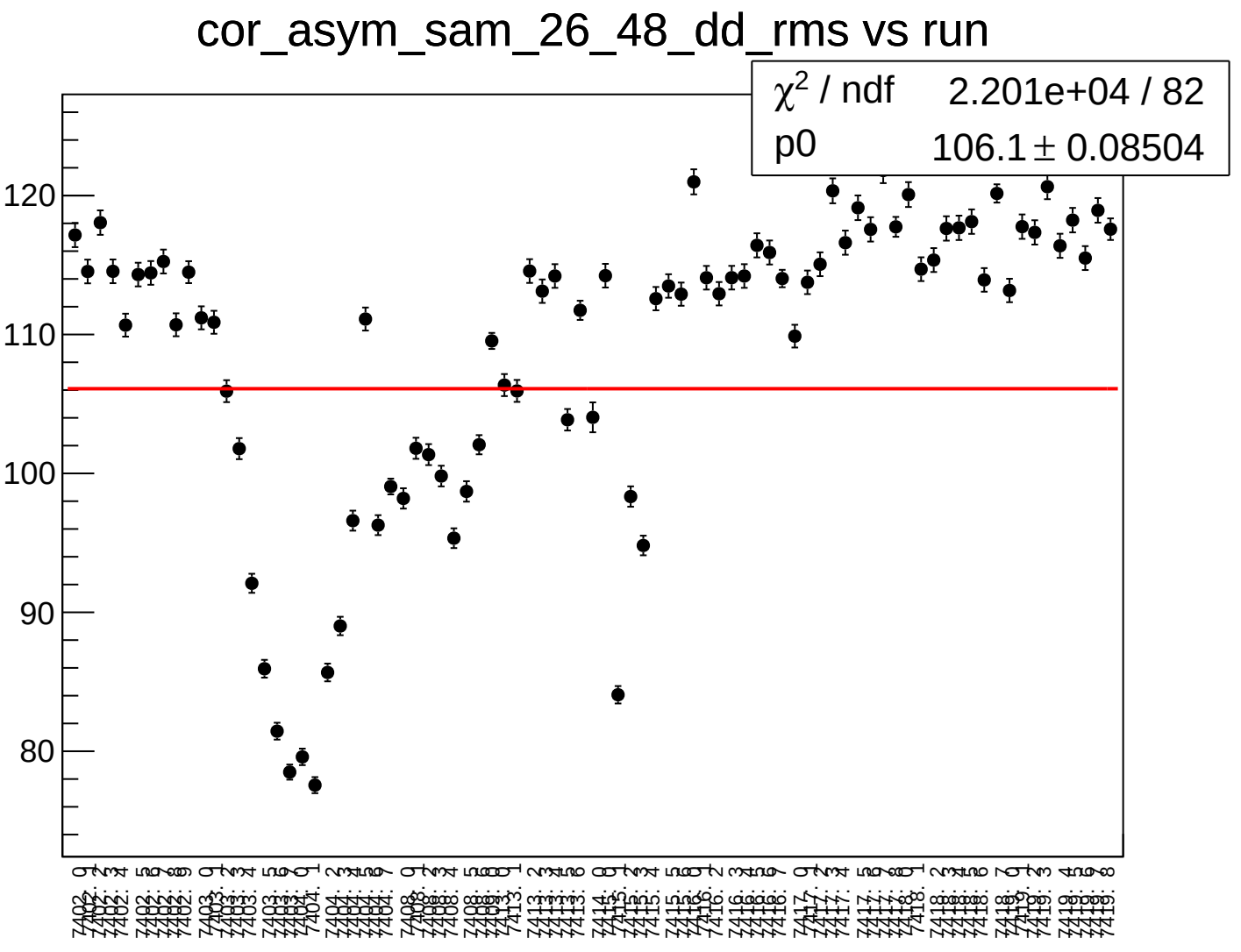

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 71.13 / 82
p0 −98 ± 576.7
pull
Entries 83
Mean 103.5
Std Dev 0

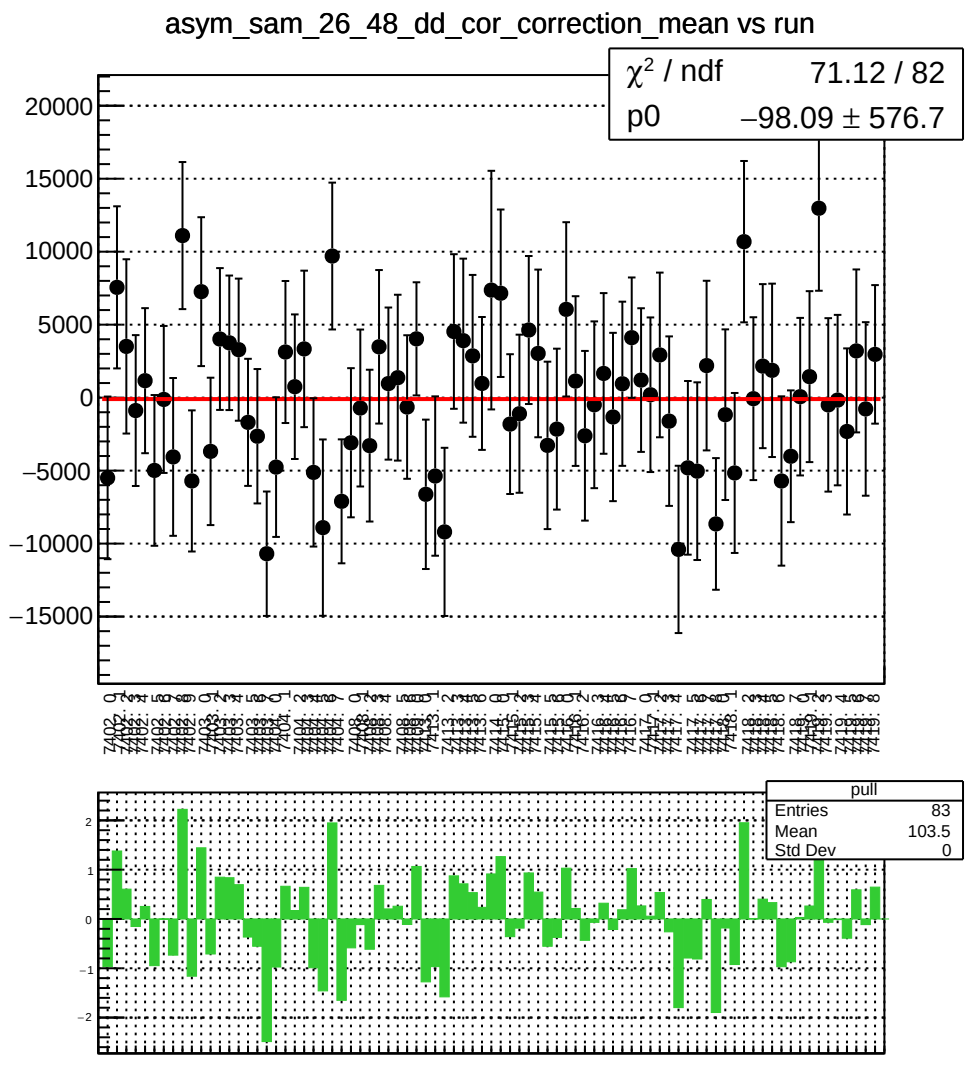

pull1D
Entries 83
Mean 0.009758
Std Dev 0.9257

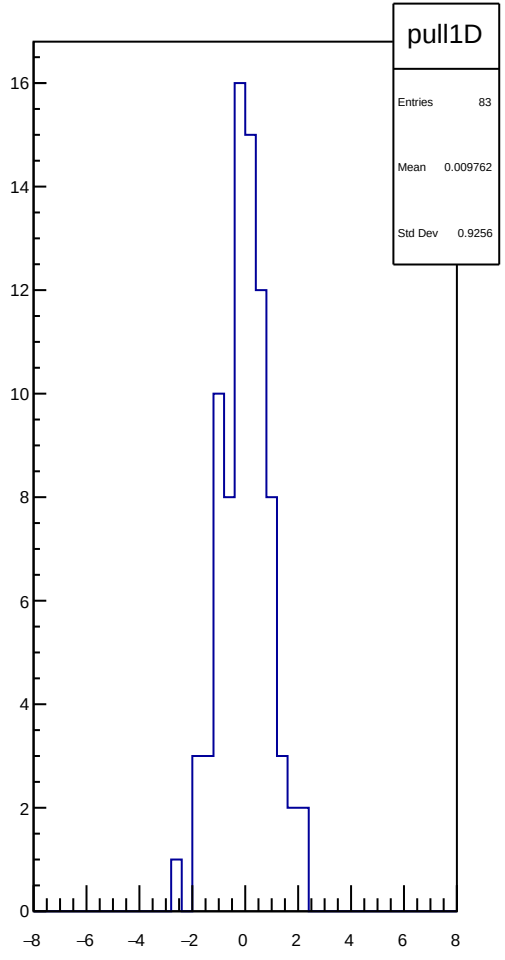

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 8892 / 82
p0 510.9 ± 0.4078
600
550
500
450
400

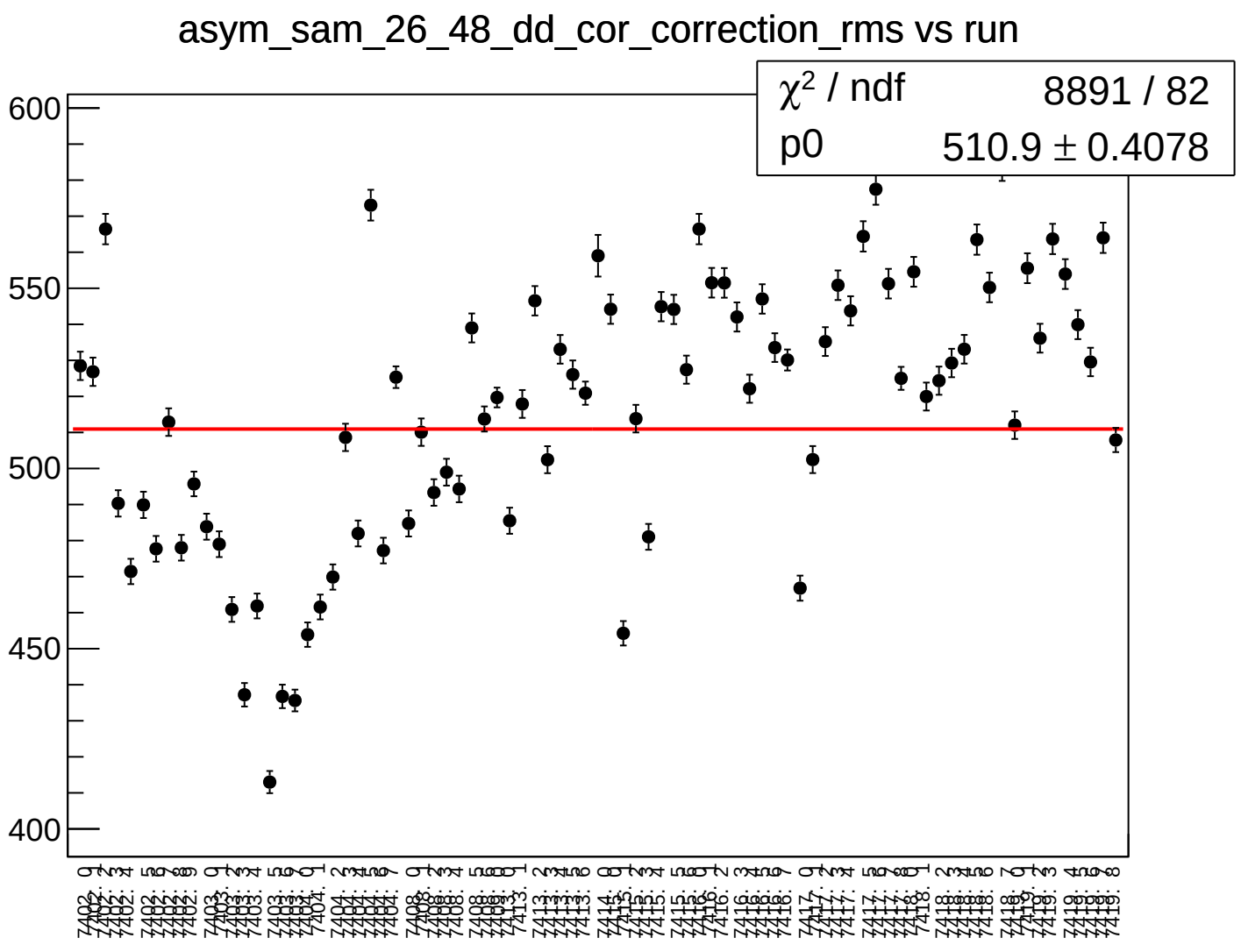

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 71.62 / 82
p0 88.65 ± 120.3
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 76.85
Std Dev 96.51
3
2
1
0
−1
−2

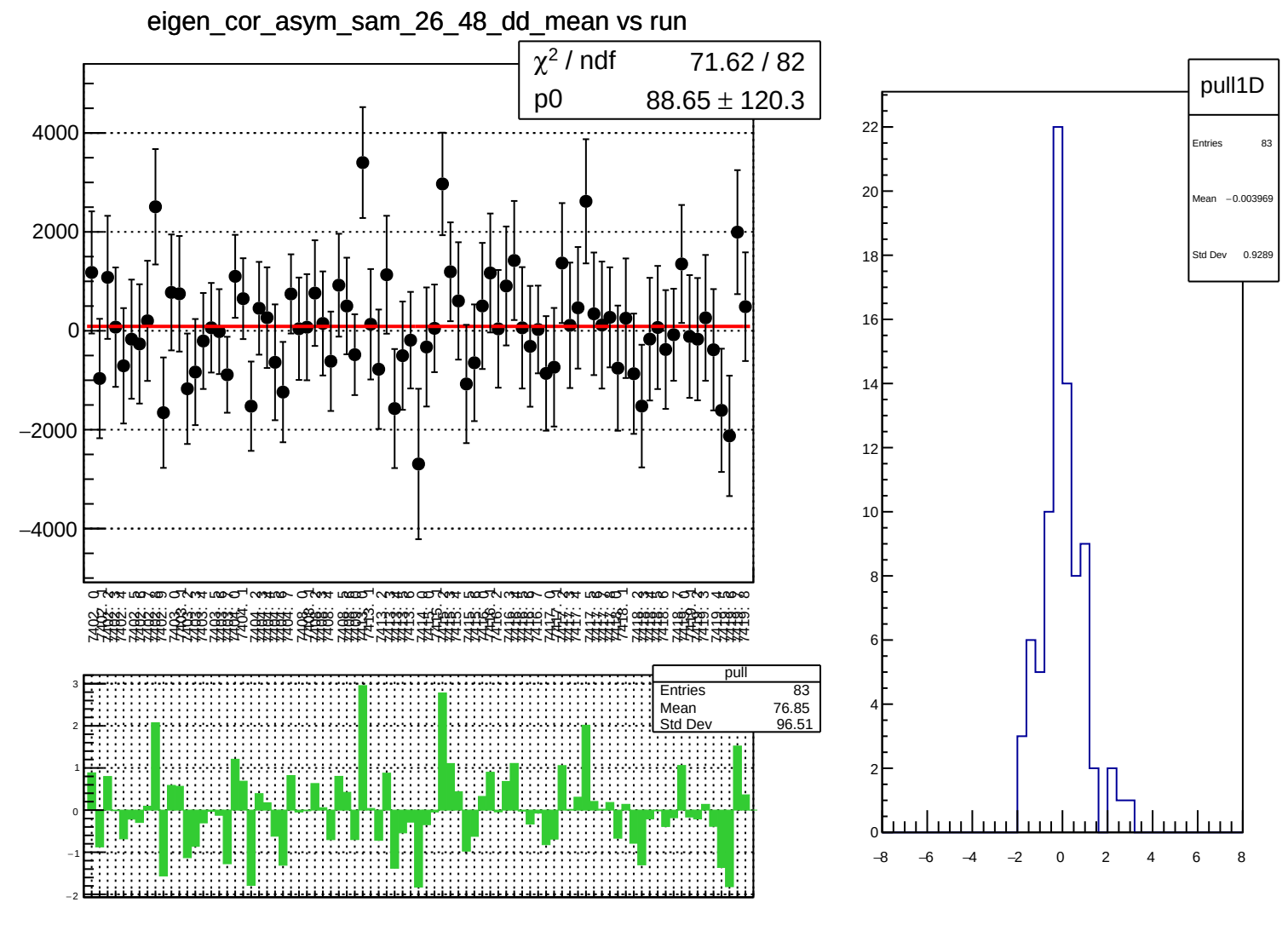

pull1D
Entries 83
Mean −0.003969
Std Dev 0.9289
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

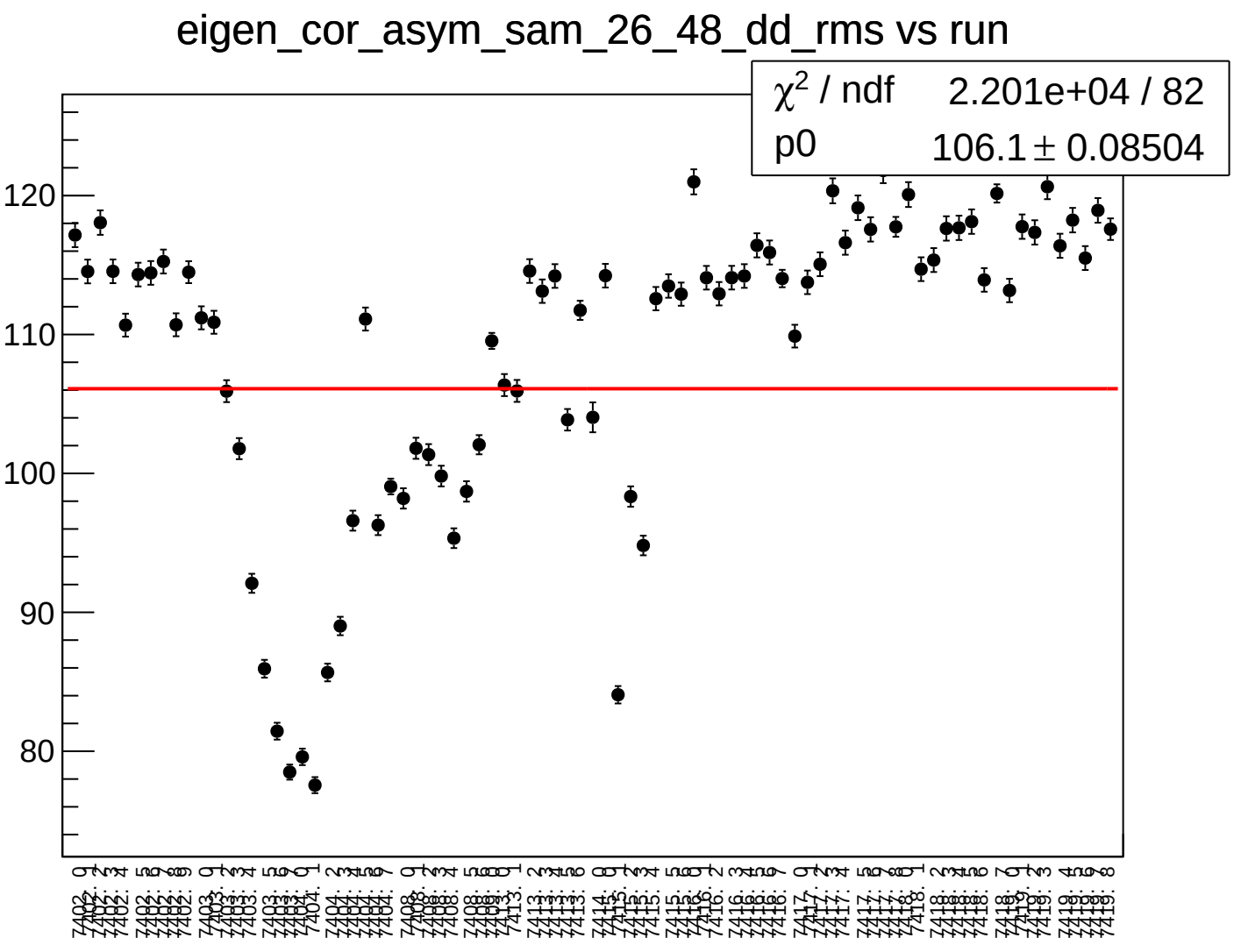

cor_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.201e+04 / 82
p0 106.1 ± 0.08504
120
110
100
90
80

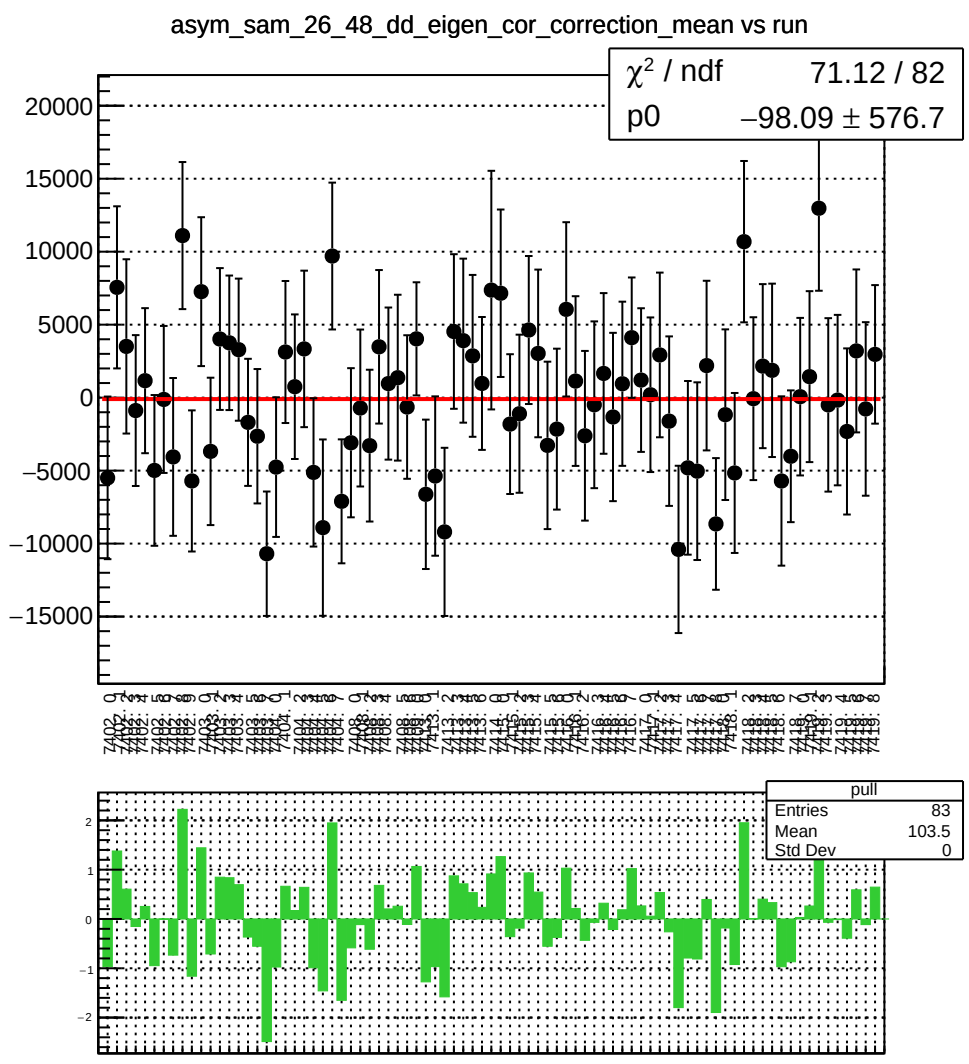

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 71.12 / 82
p0 −98.09 ± 576.7
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 103.5
Std Dev 0
2
1
0
−1
−2

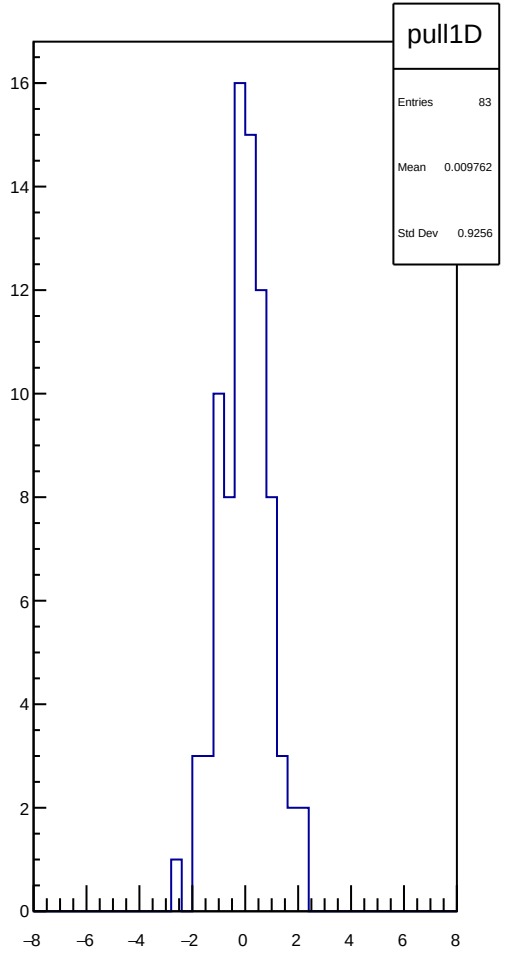

pull1D
Entries 83
Mean 0.009762
Std Dev 0.9256
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

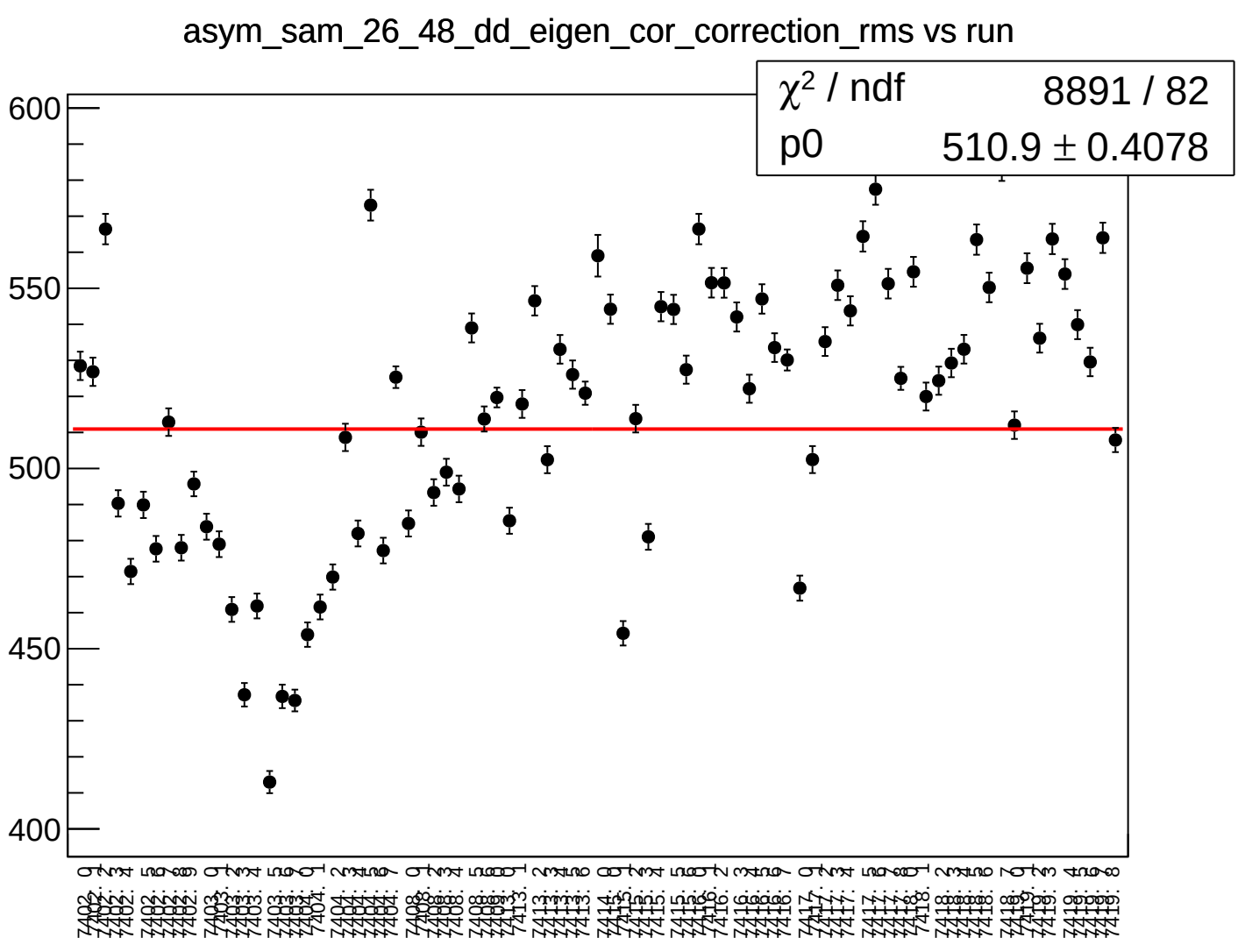

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 8891 / 82
p0 510.9 ± 0.4078
600
550
500
450
400

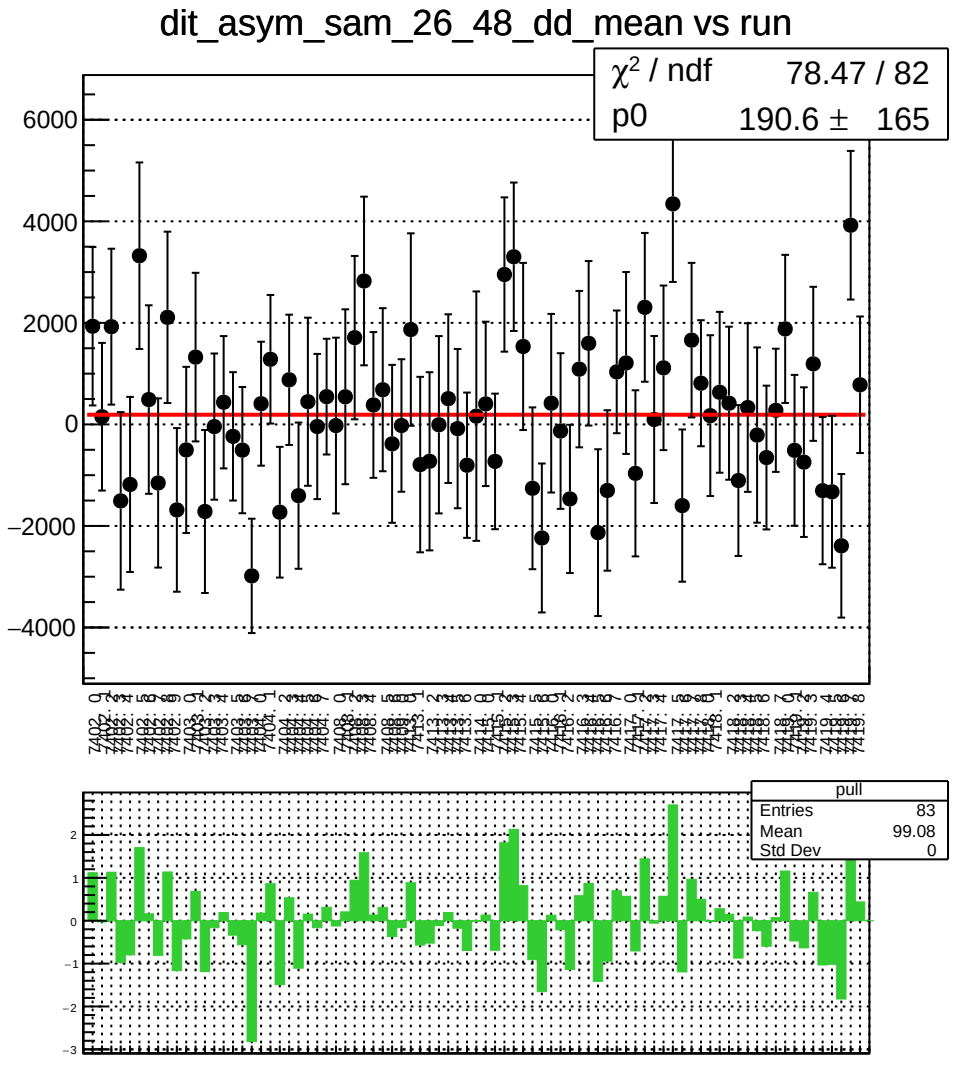

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 71.62 / 82
p0 88.65 ± 120.3
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 76.85
Std Dev 96.51
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.003969
Std Dev 0.9289
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

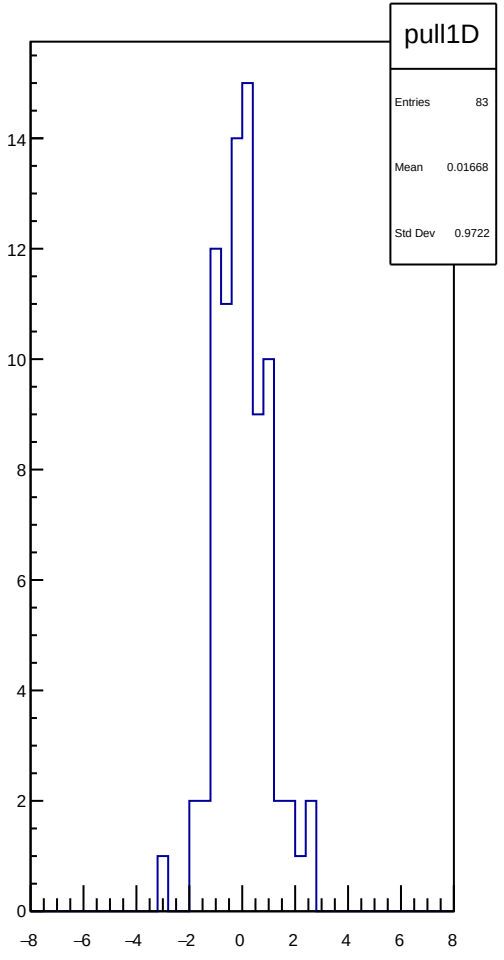

eigen_cor_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.201e+04 / 82
p0 106.1 ± 0.08504
120
110
100
90
80

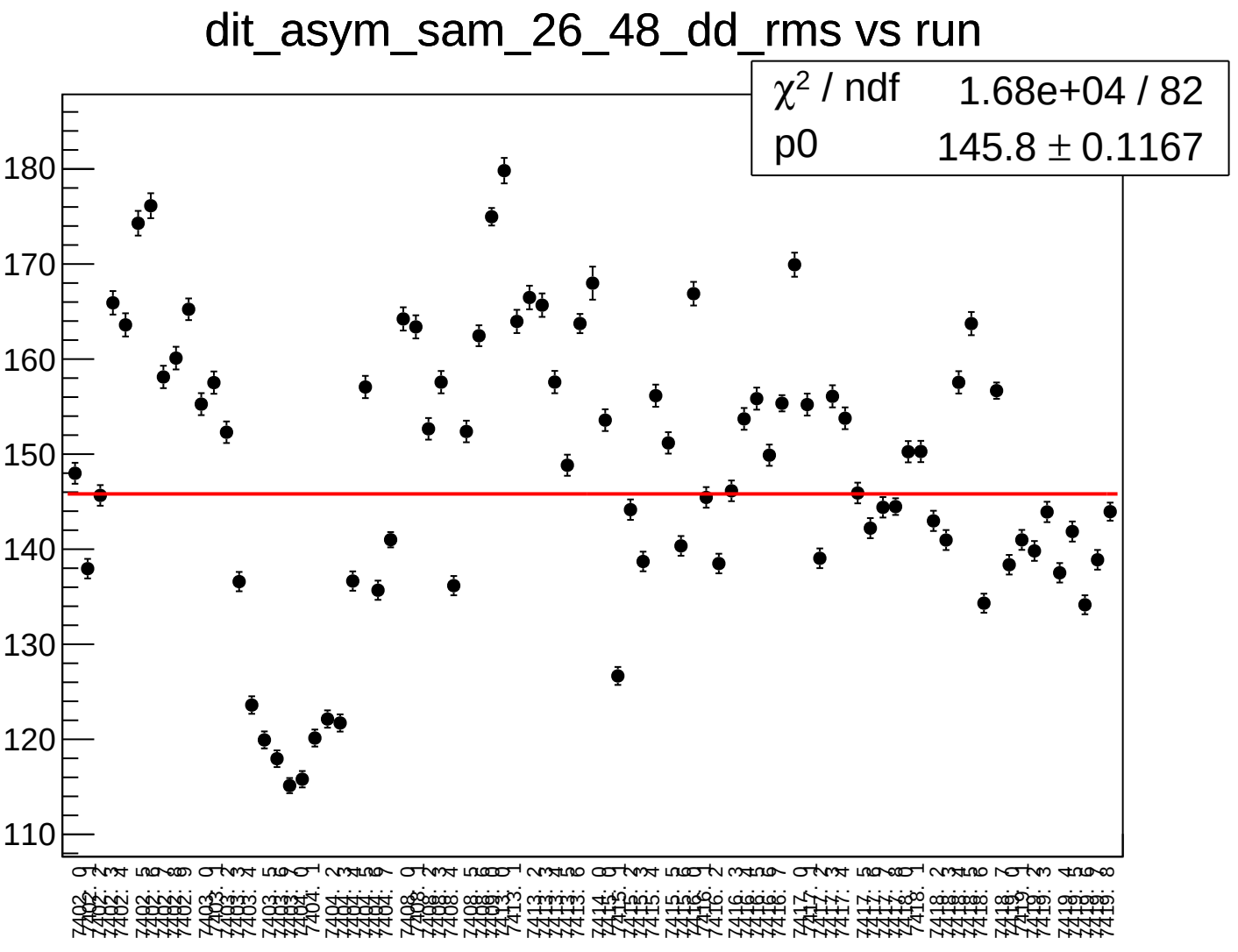

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.12 / 82
p0 −98.09 ± 576.7
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 103.5
Std Dev 0
2
1
0
−1
−2

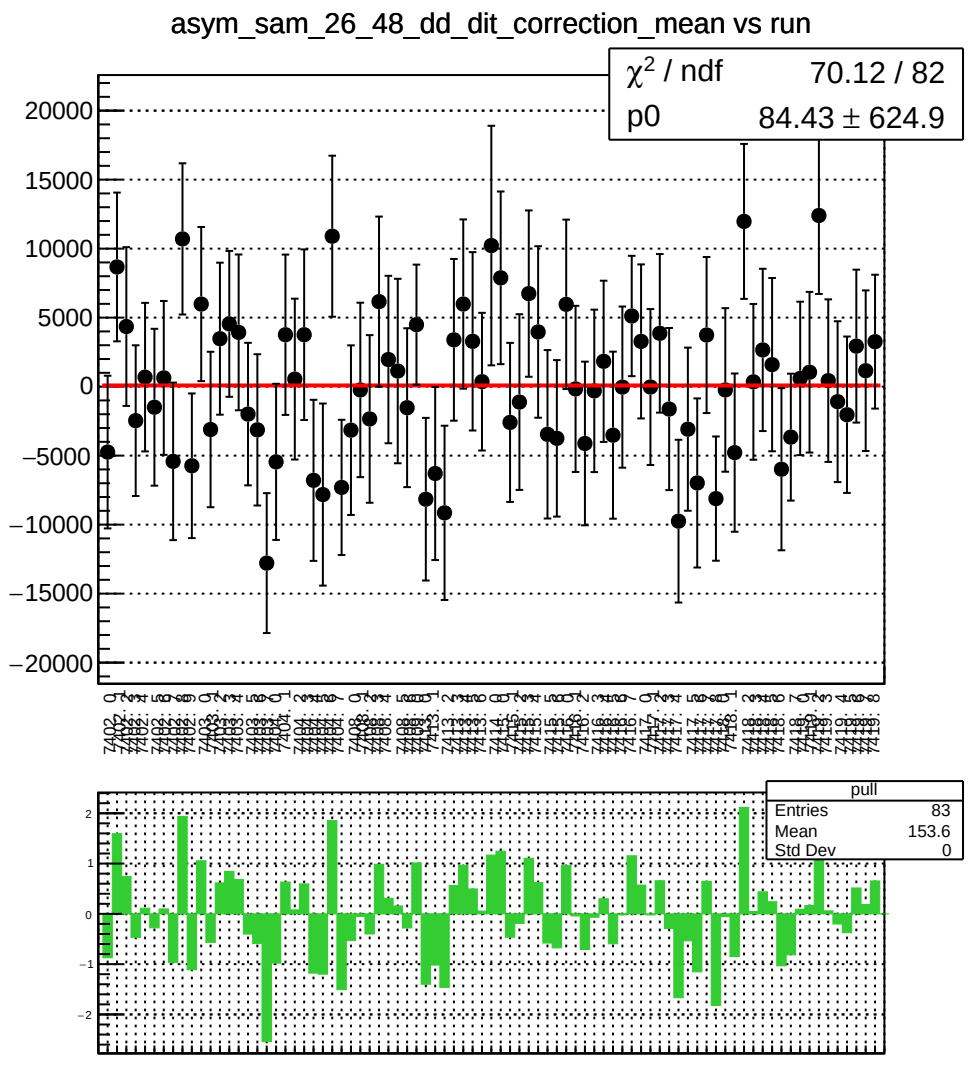

pull1D
Entries 83
Mean 0.009762
Std Dev 0.9256
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

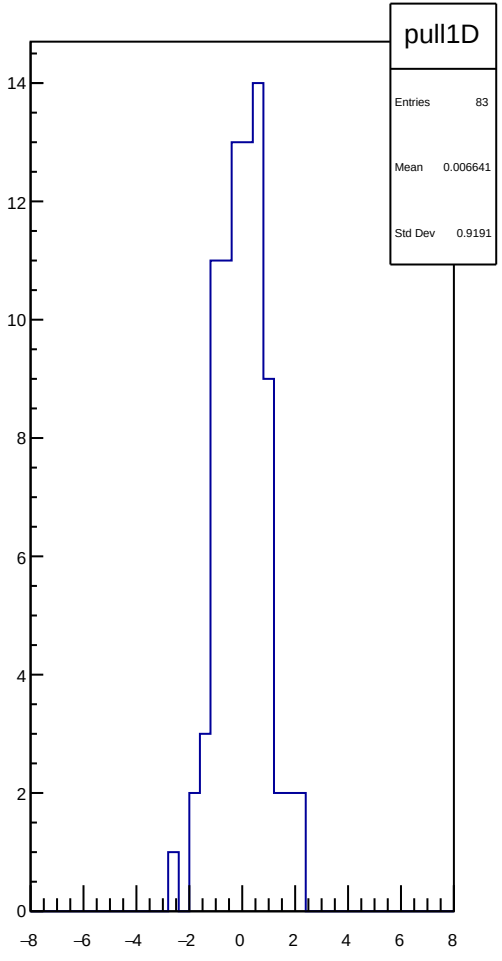

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 8891 / 82
p0 510.9 ± 0.4078
600
550
500
450
400

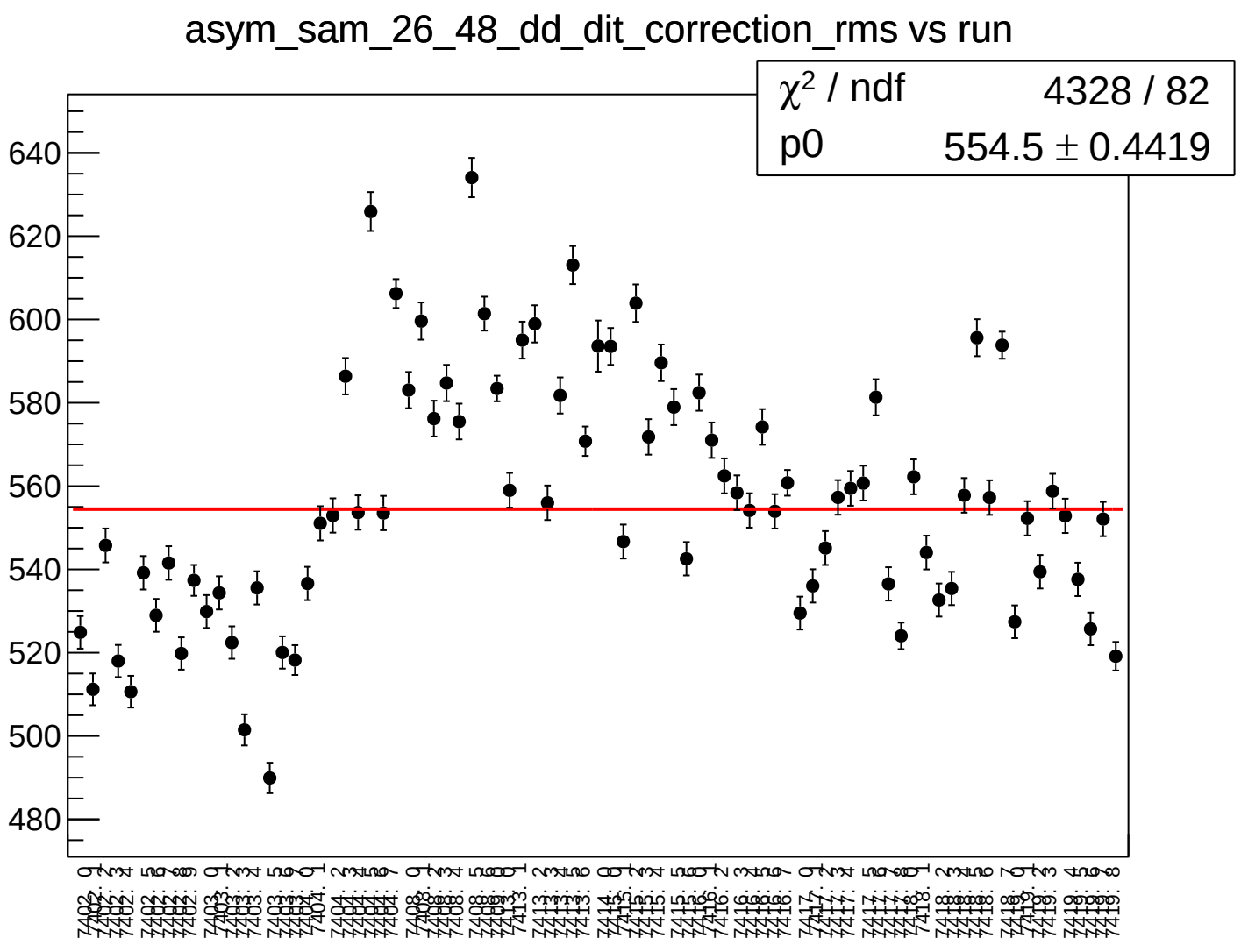

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.47 / 82
p0 190.6 ± 165
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 99.08
Std Dev 0
2
1
0
−1
−2
−3

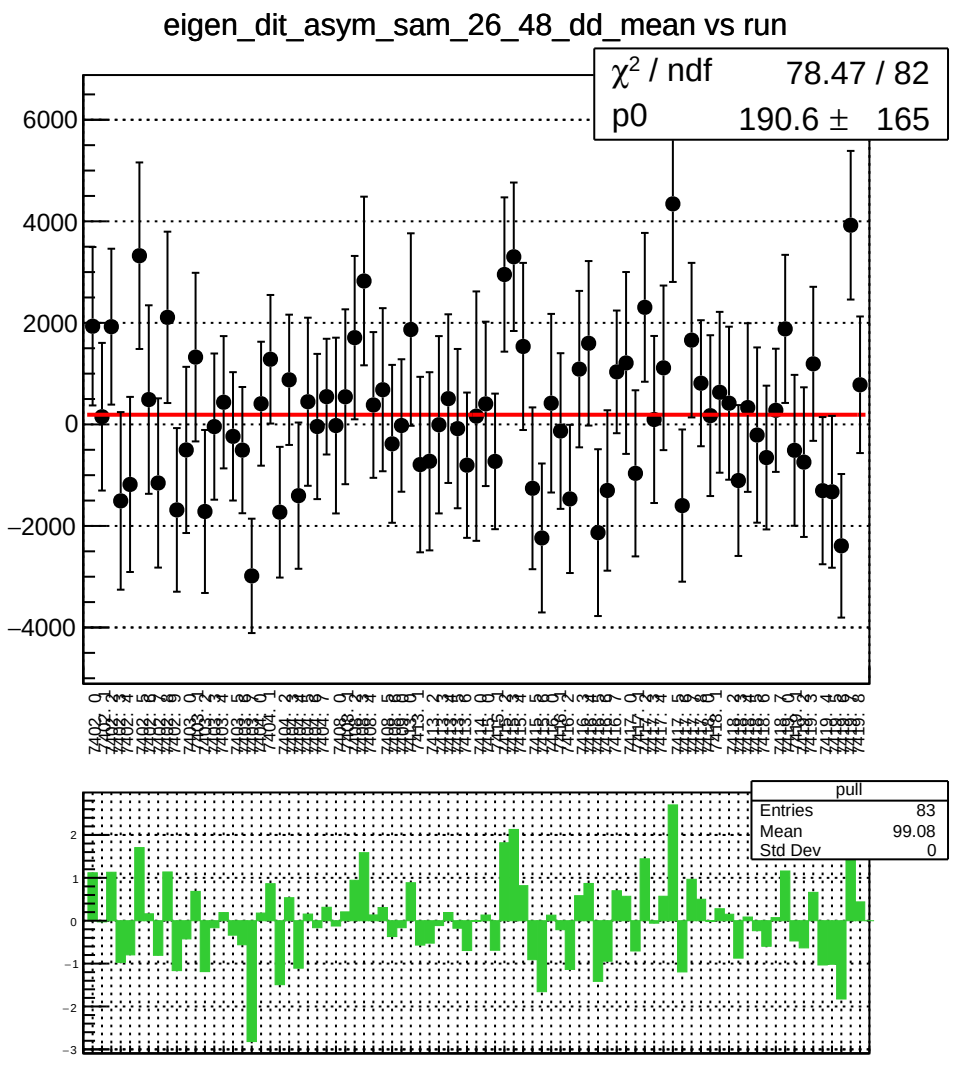

pull1D
Entries 83
Mean 0.01668
Std Dev 0.9722
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

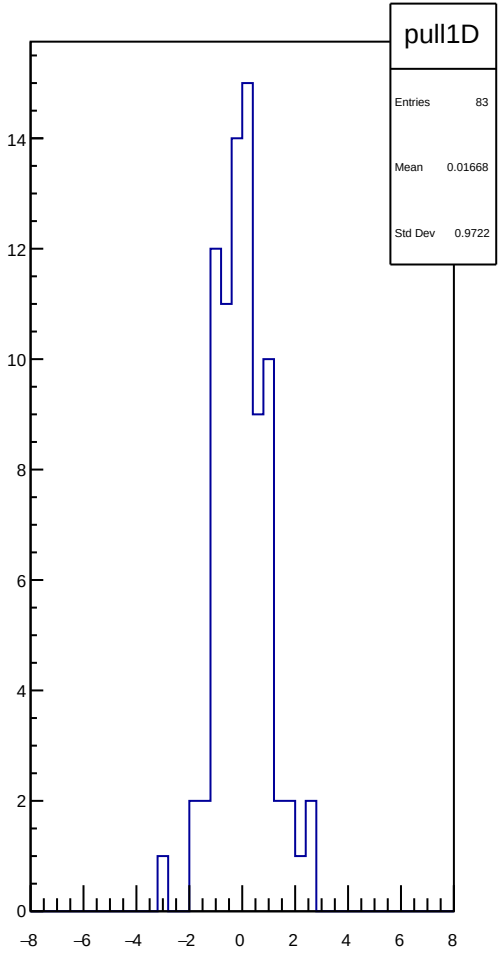

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.68e+04 / 82
p0 145.8 ± 0.1167
180
170
160
150
140
130
120
110

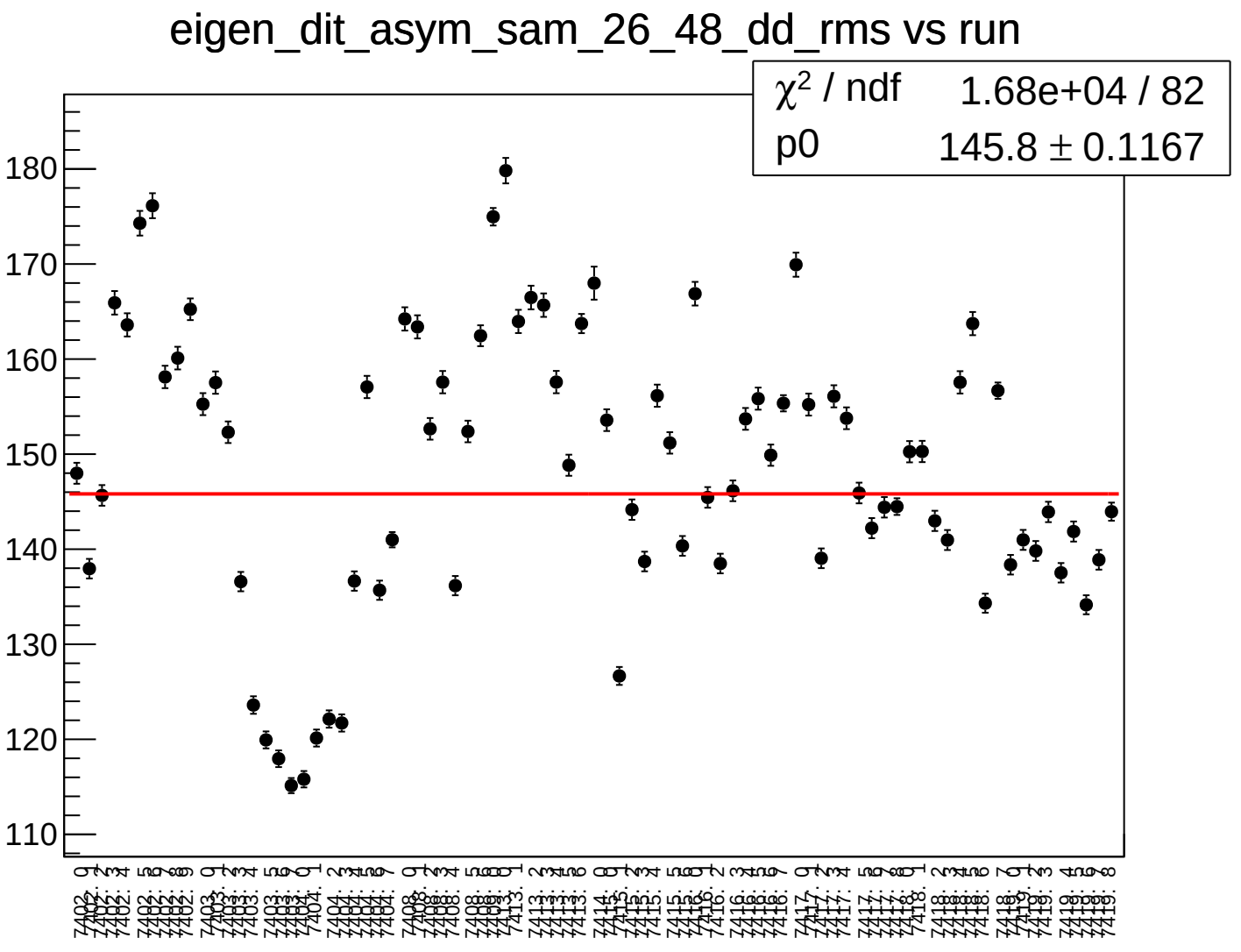

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 70.12 / 82
p0 84.43 ± 624.9
pull
Entries 83
Mean 153.6
Std Dev 0

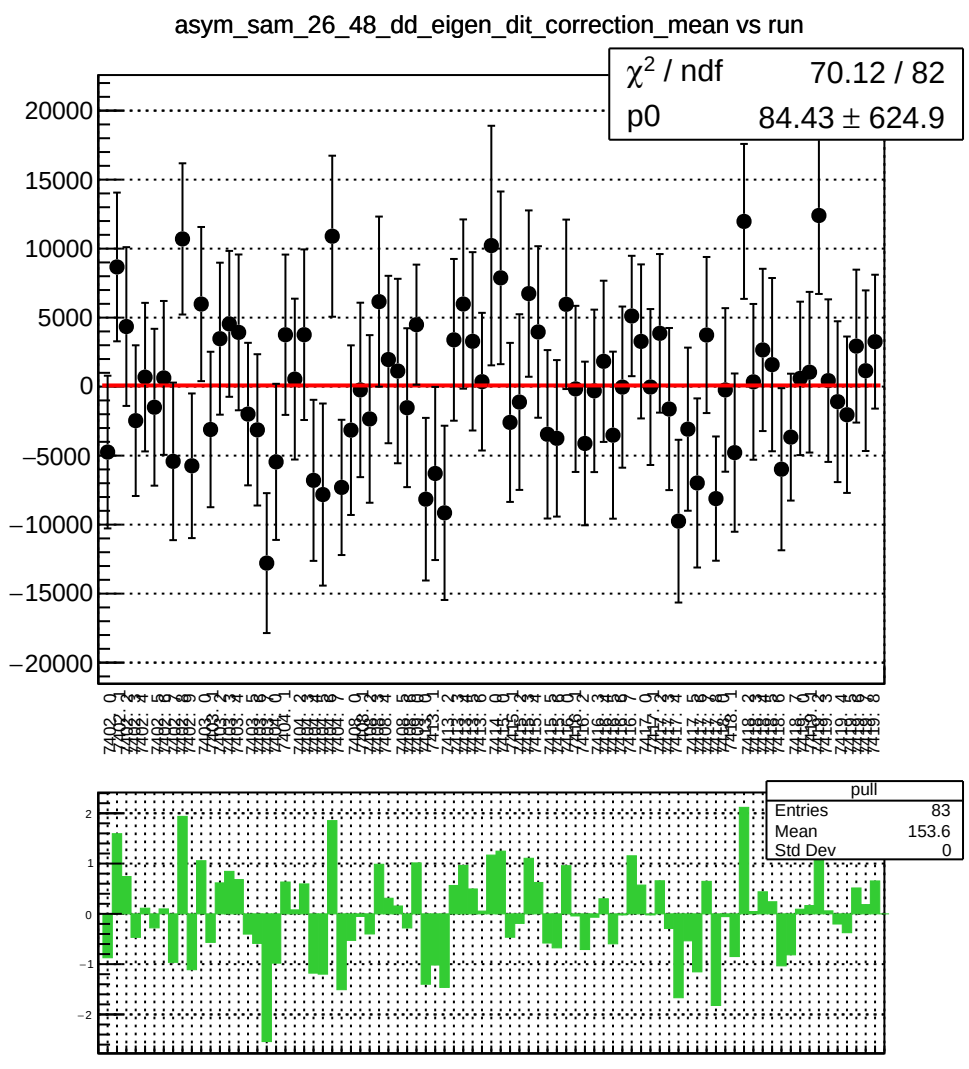

pull1D
Entries 83
Mean 0.006641
Std Dev 0.9191

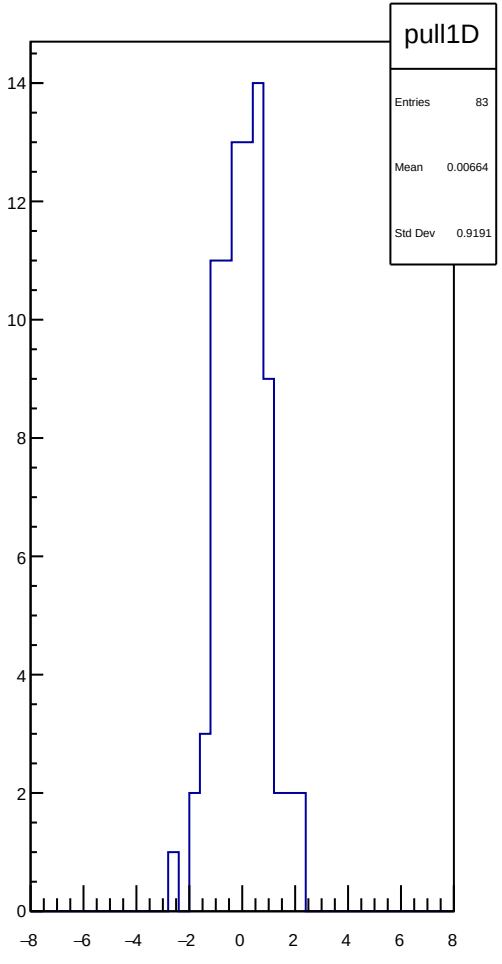

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 4328 / 82
p0 554.5 ± 0.4419
640
620
600
580
560
540
520
500
480

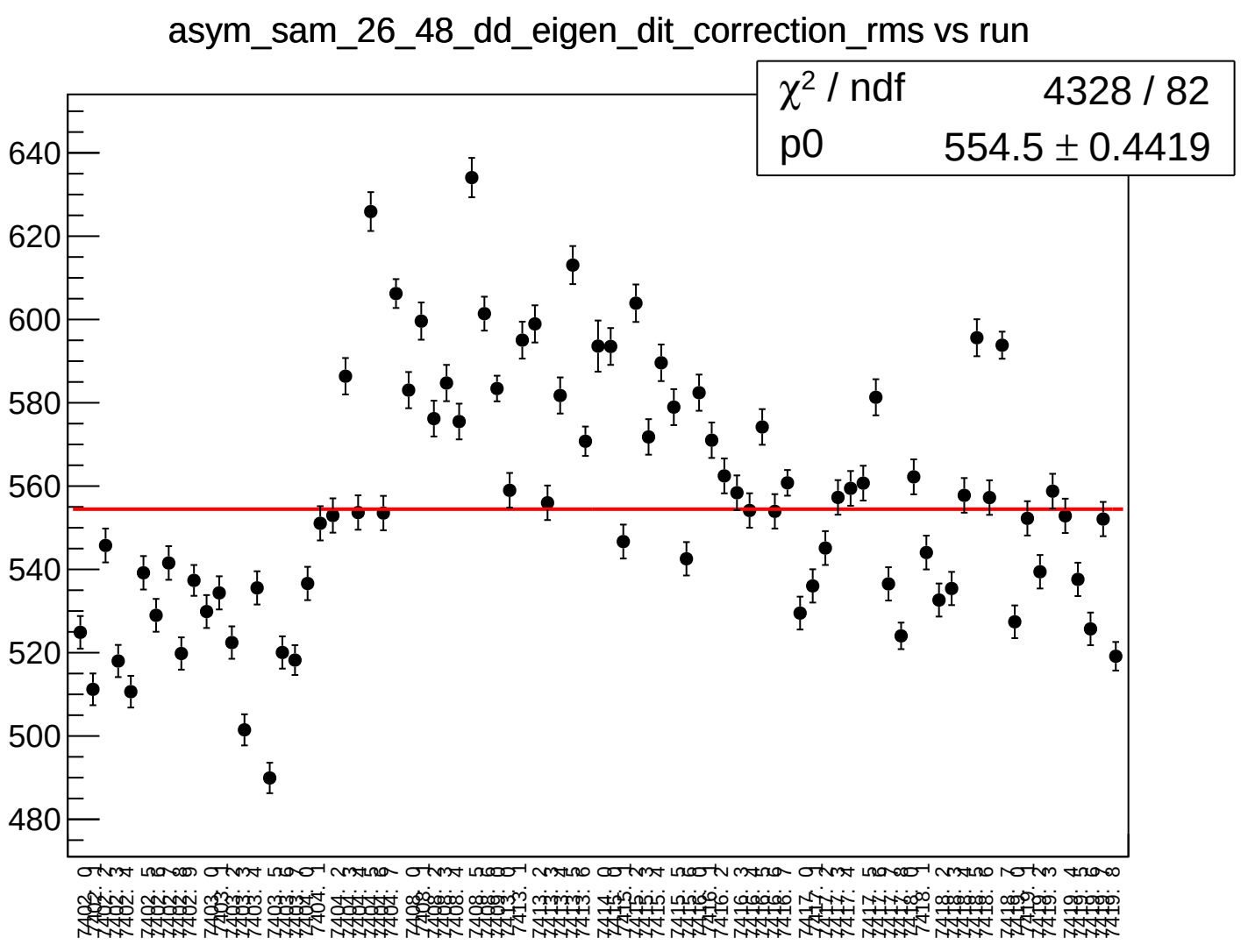

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.47 / 82
p0 190.6 ± 165
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 99.08
Std Dev 0
2
1
0
−1
−2
−3

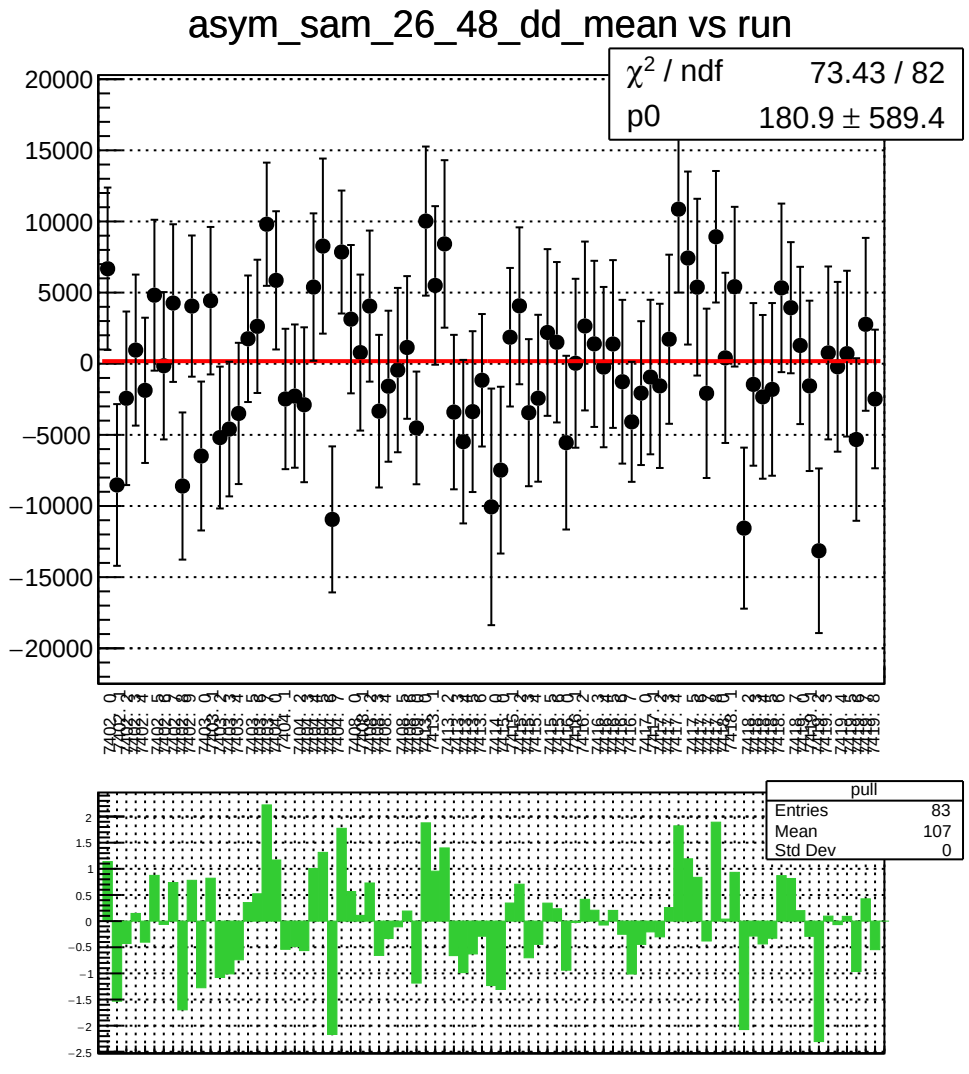

pull1D
Entries 83
Mean 0.01668
Std Dev 0.9722
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

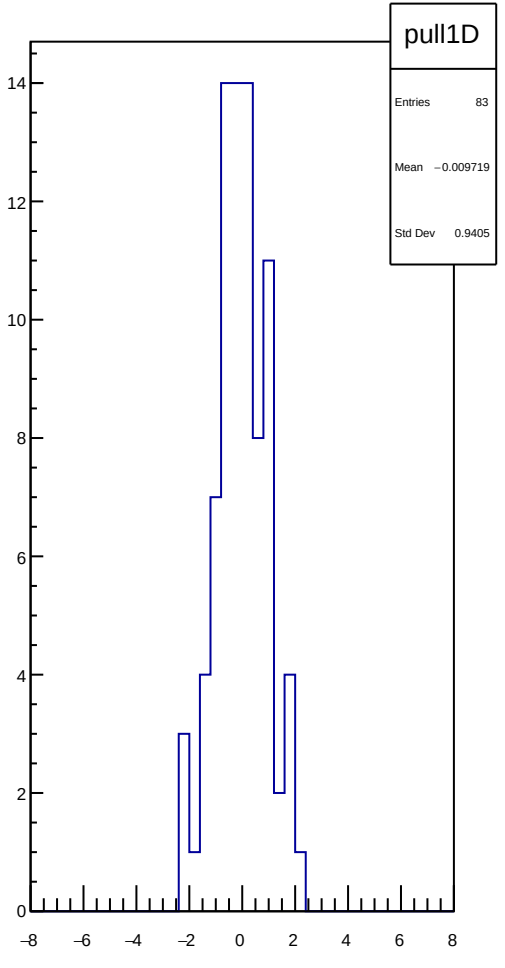

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.68e+04 / 82
p0 145.8 ± 0.1167
180
170
160
150
140
130
120
110

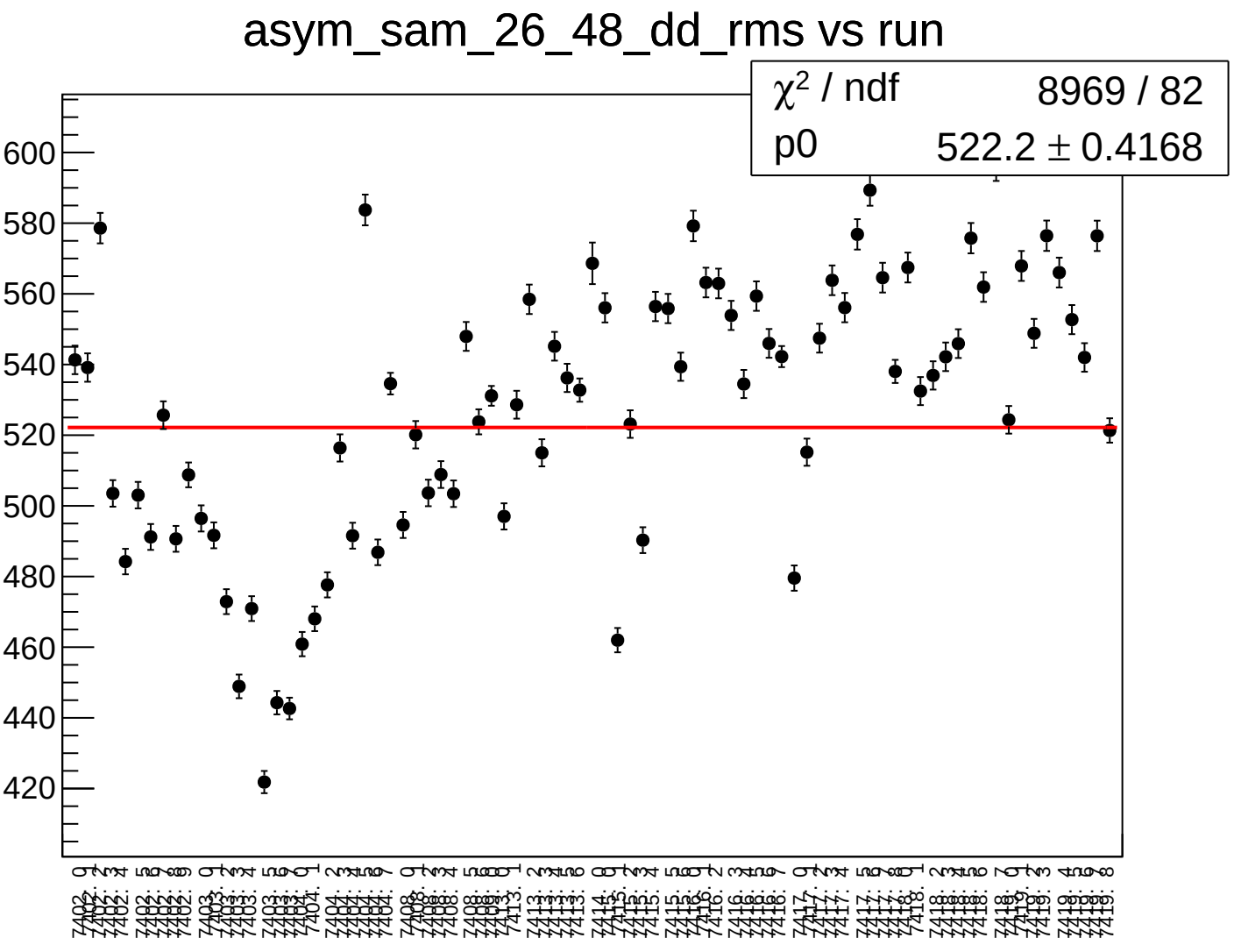

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 70.12 / 82
p0 84.43 ± 624.9
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 153.6
Std Dev 0
2
1
0
−1
−2

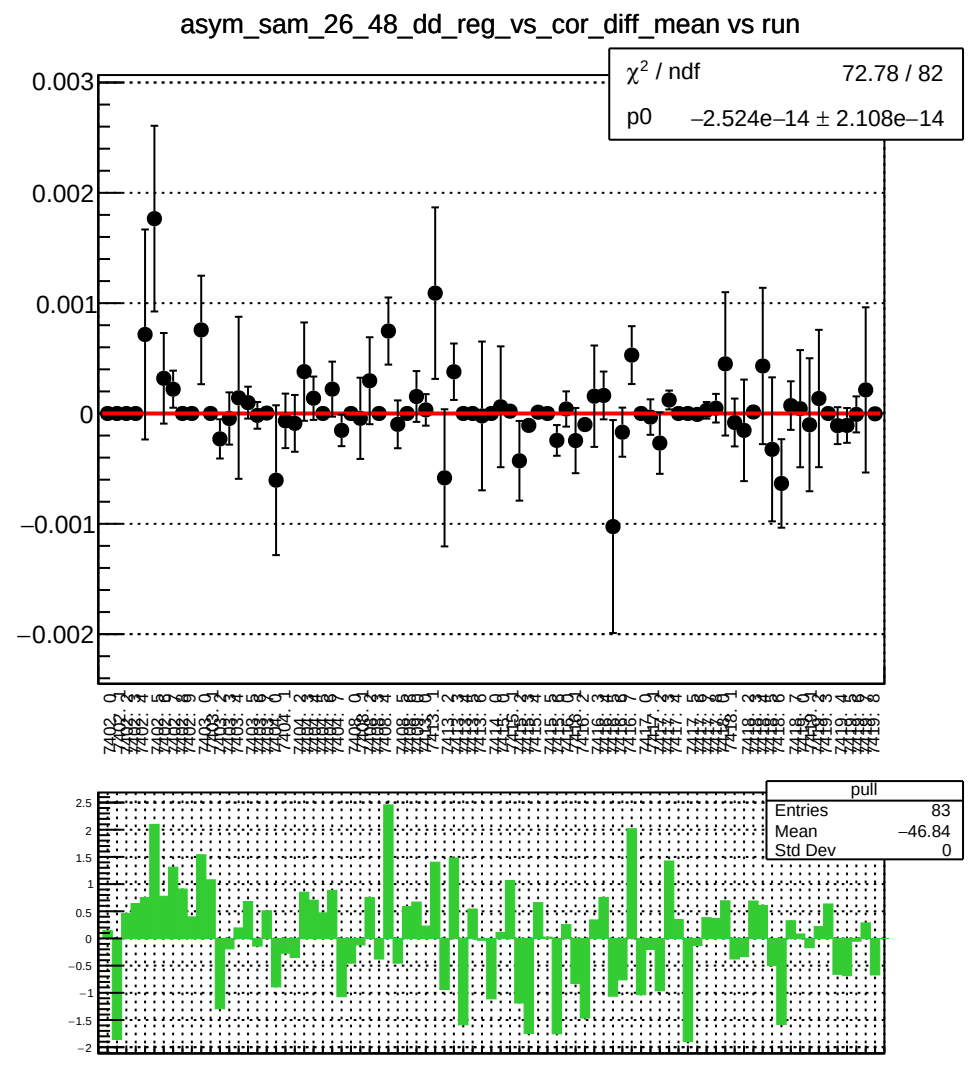

pull1D
Entries 83
Mean 0.00664
Std Dev 0.9191
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

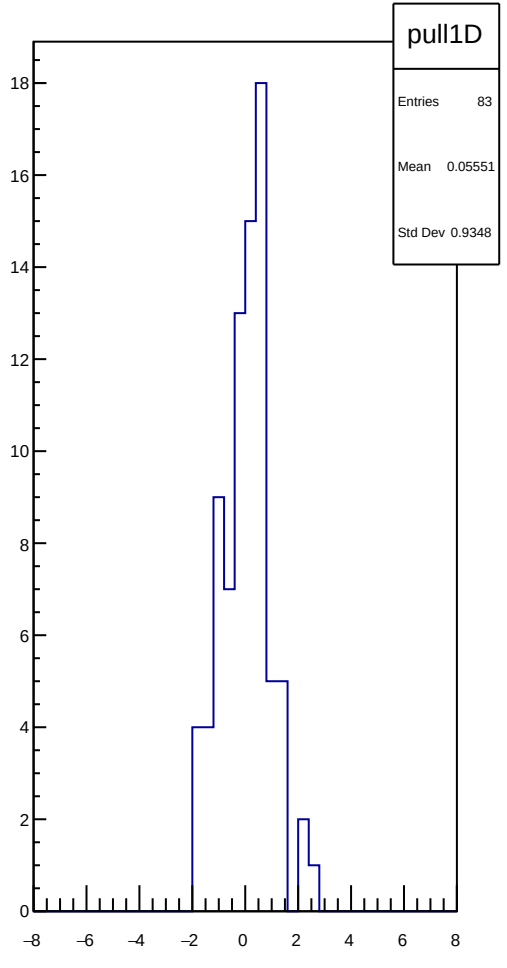

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4328 / 82
p0 554.5 ± 0.4419
640
620
600
580
560
540
520
500
480

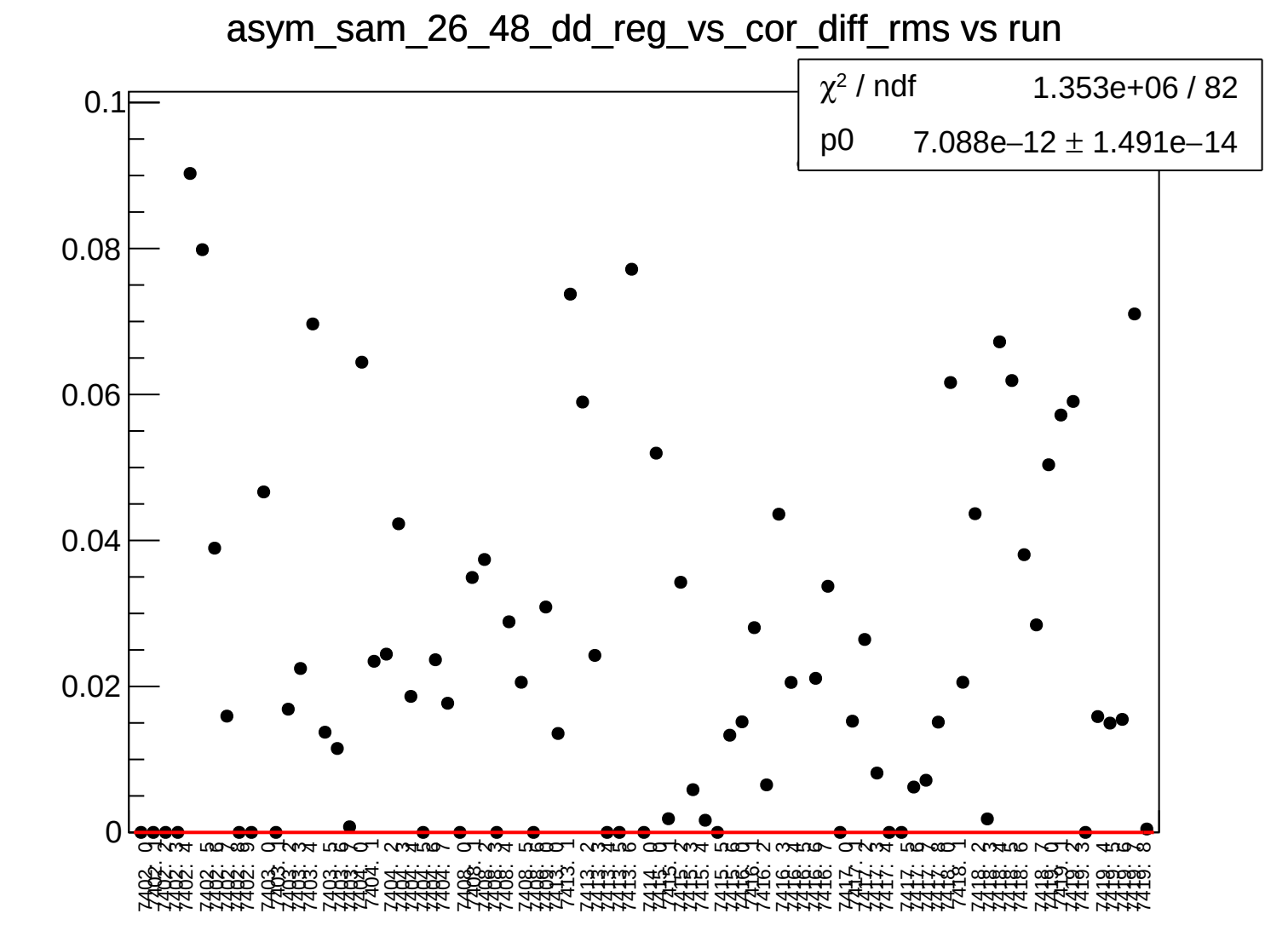

asym_sam_26_48_dd_mean vs run
χ² / ndf 73.43 / 82
p0 180.9 ± 589.4
pull
Entries 83
Mean 107
Std Dev 0

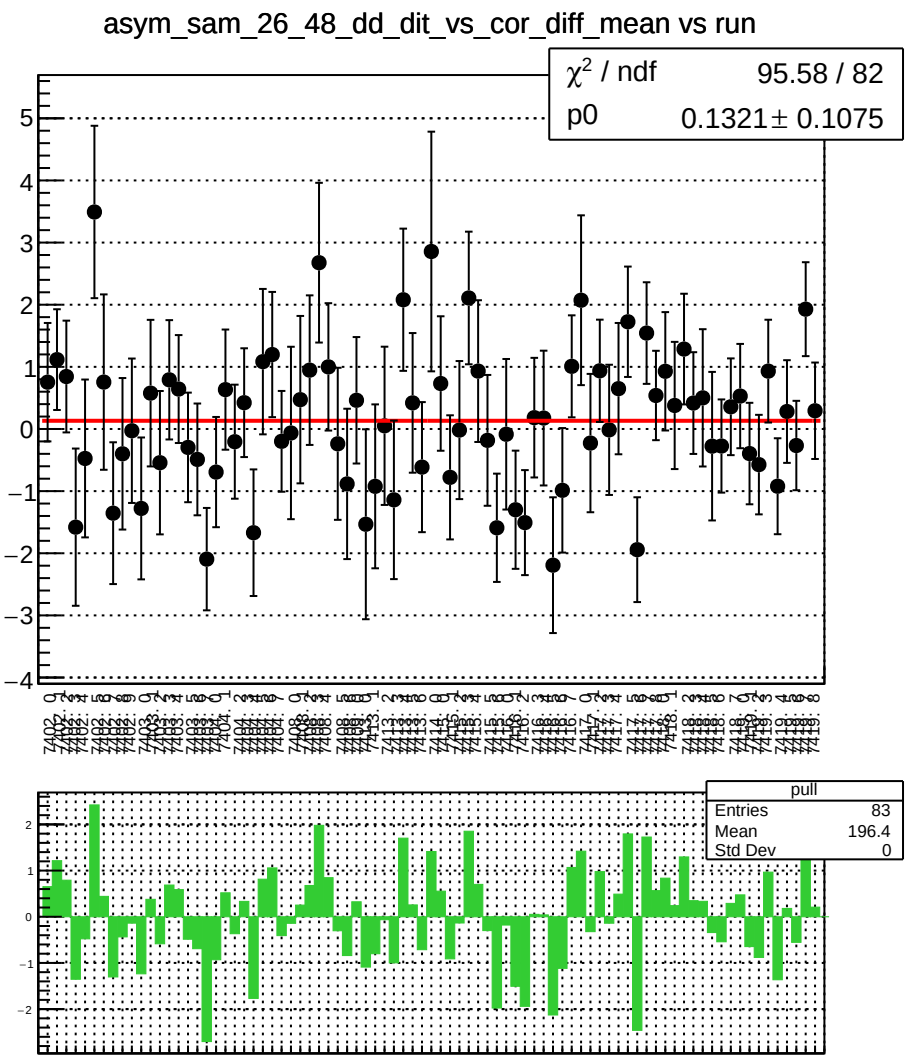

pull1D
Entries 83
Mean −0.009719
Std Dev 0.9405

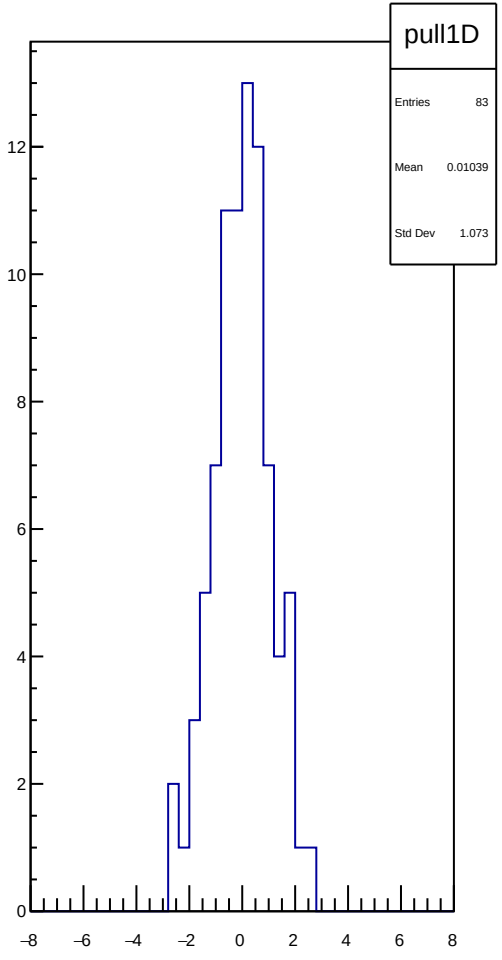

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 8969 / 82
p0 522.2 ± 0.4168
600
580
560
540
520
500
480
460
440
420

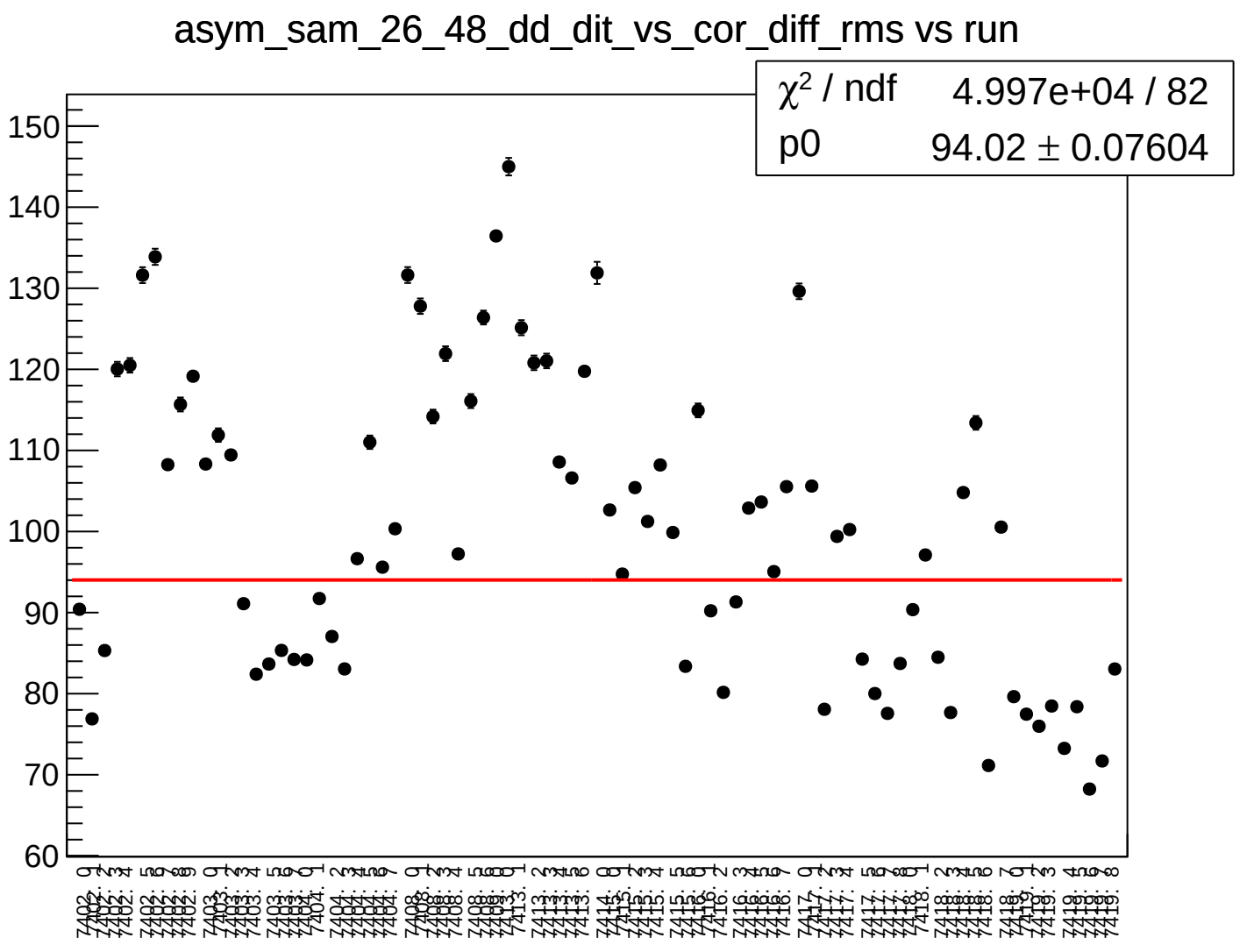

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 72.78 / 82
p0 −2.524e−14 ± 2.108e−14
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 83
Mean −46.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

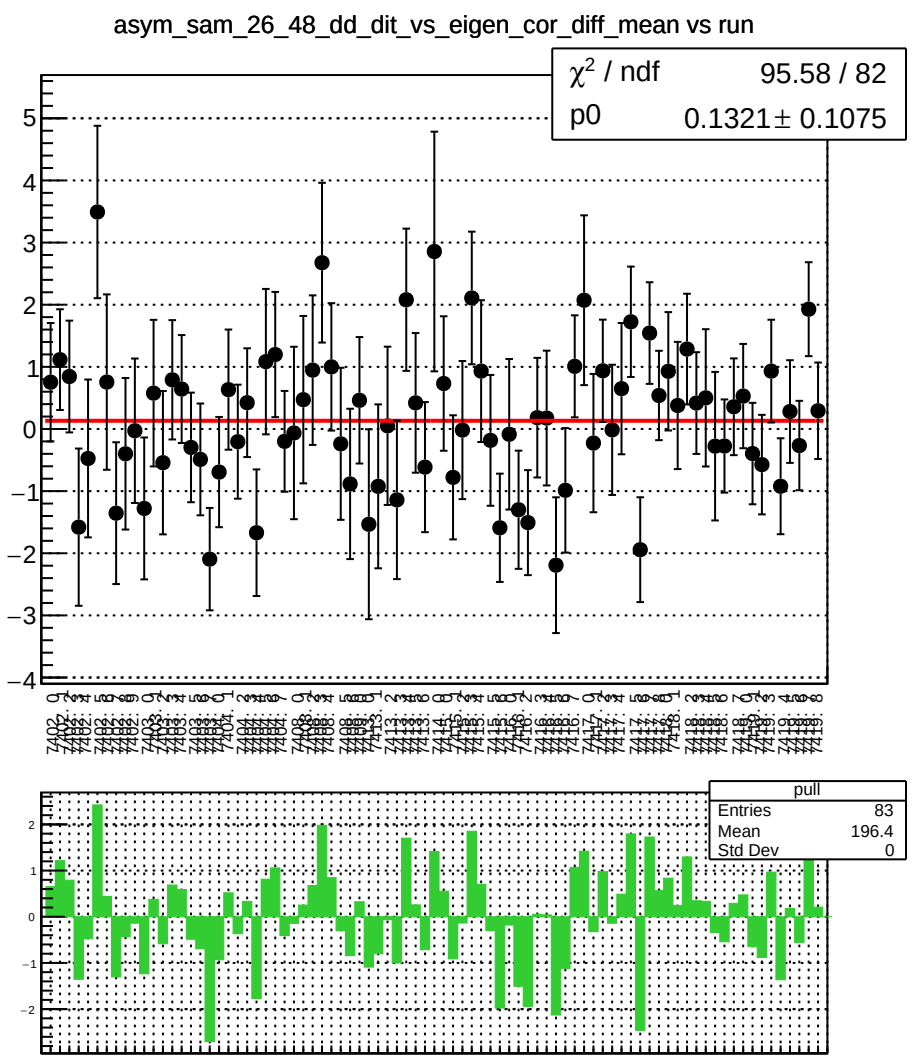

pull1D
Entries 83
Mean 0.05551
Std Dev 0.9348
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

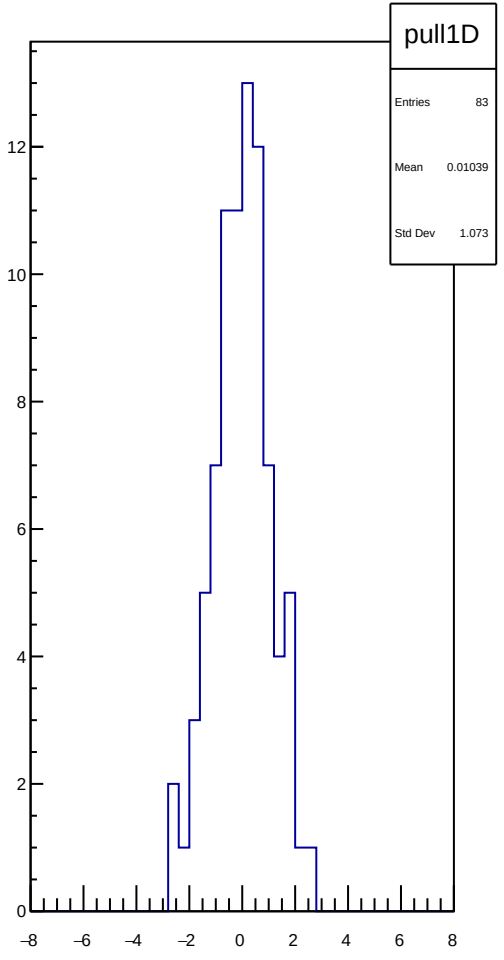

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.353e+06 / 82
p0 7.088e−12 ± 1.491e−14
0.1
0.08
0.06
0.04
0.02
0

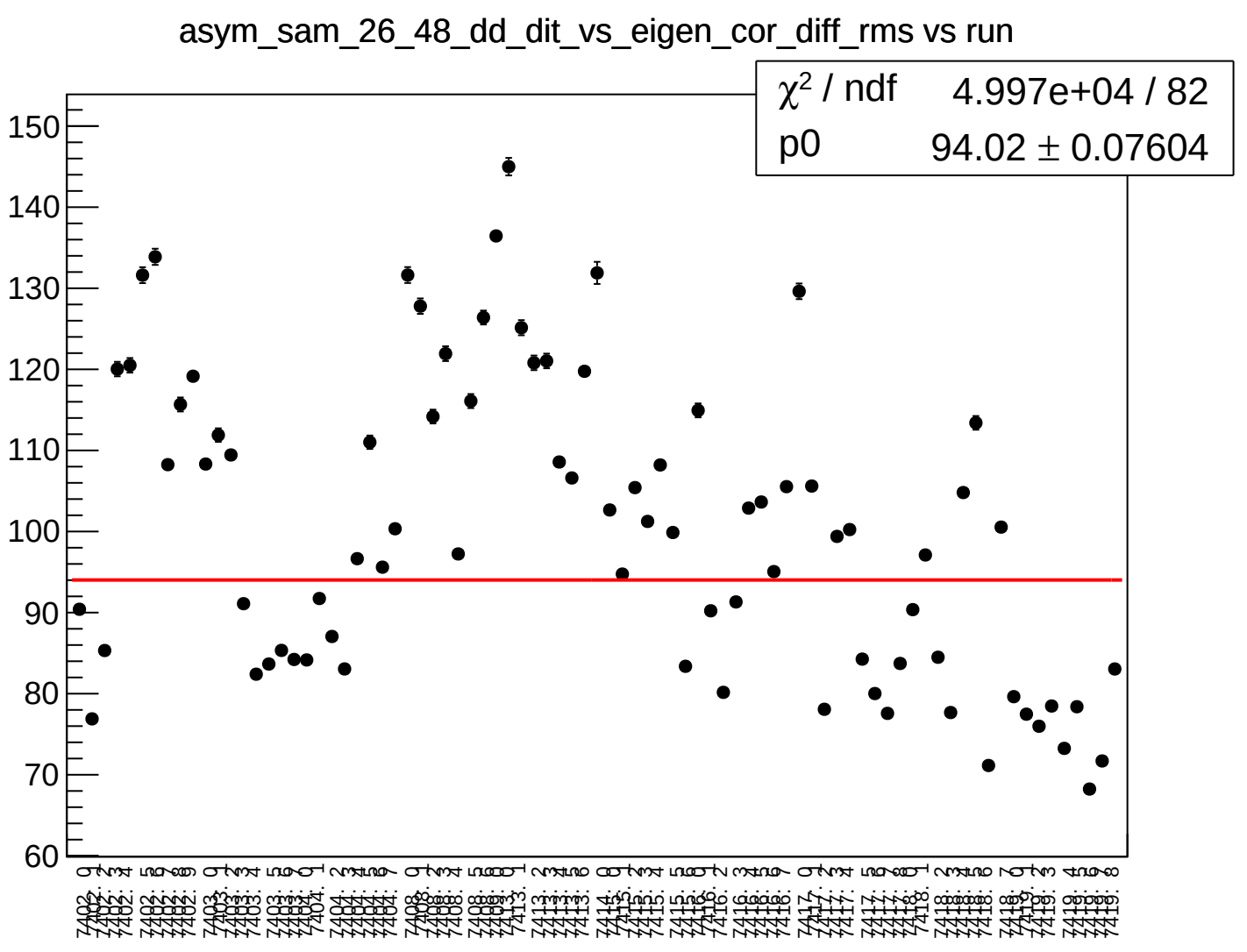

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 95.58 / 82
p0 0.1321 ± 0.1075
pull
Entries 83
Mean 196.4
Std Dev 0

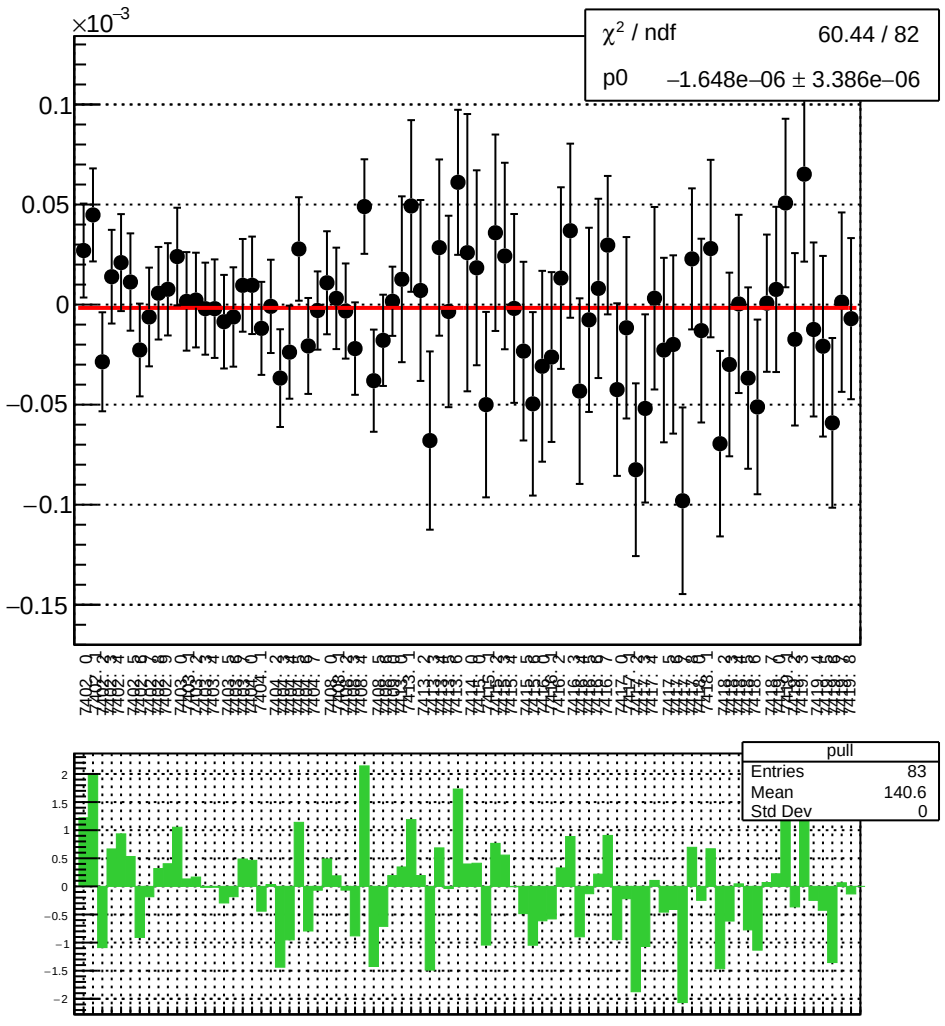

pull1D
Entries 83
Mean 0.01039
Std Dev 1.073

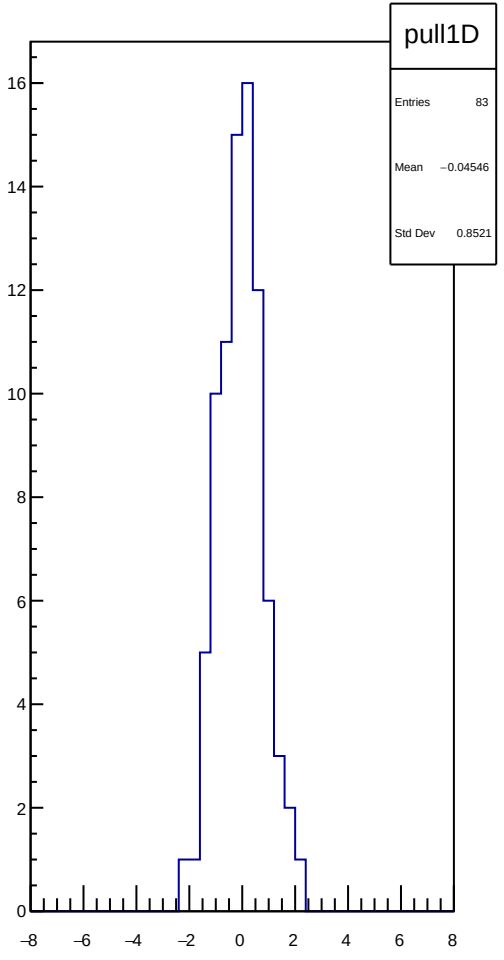

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.997e+04 / 82
p0 94.02 ± 0.07604
150
140
130
120
110
100
90
80
70
60

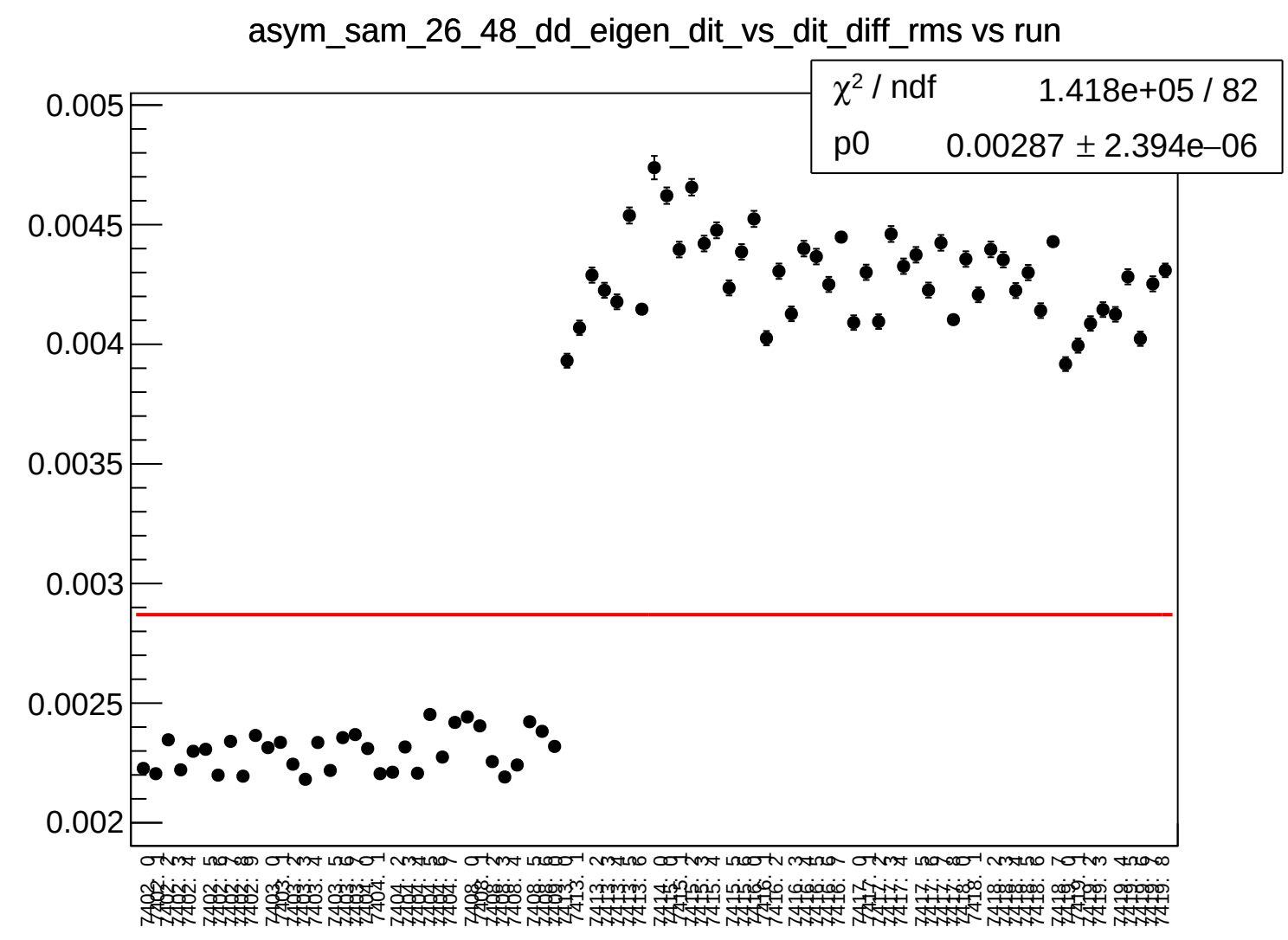

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.58 / 82
p0 0.1321 ± 0.1075
pull
Entries 83
Mean 196.4
Std Dev 0

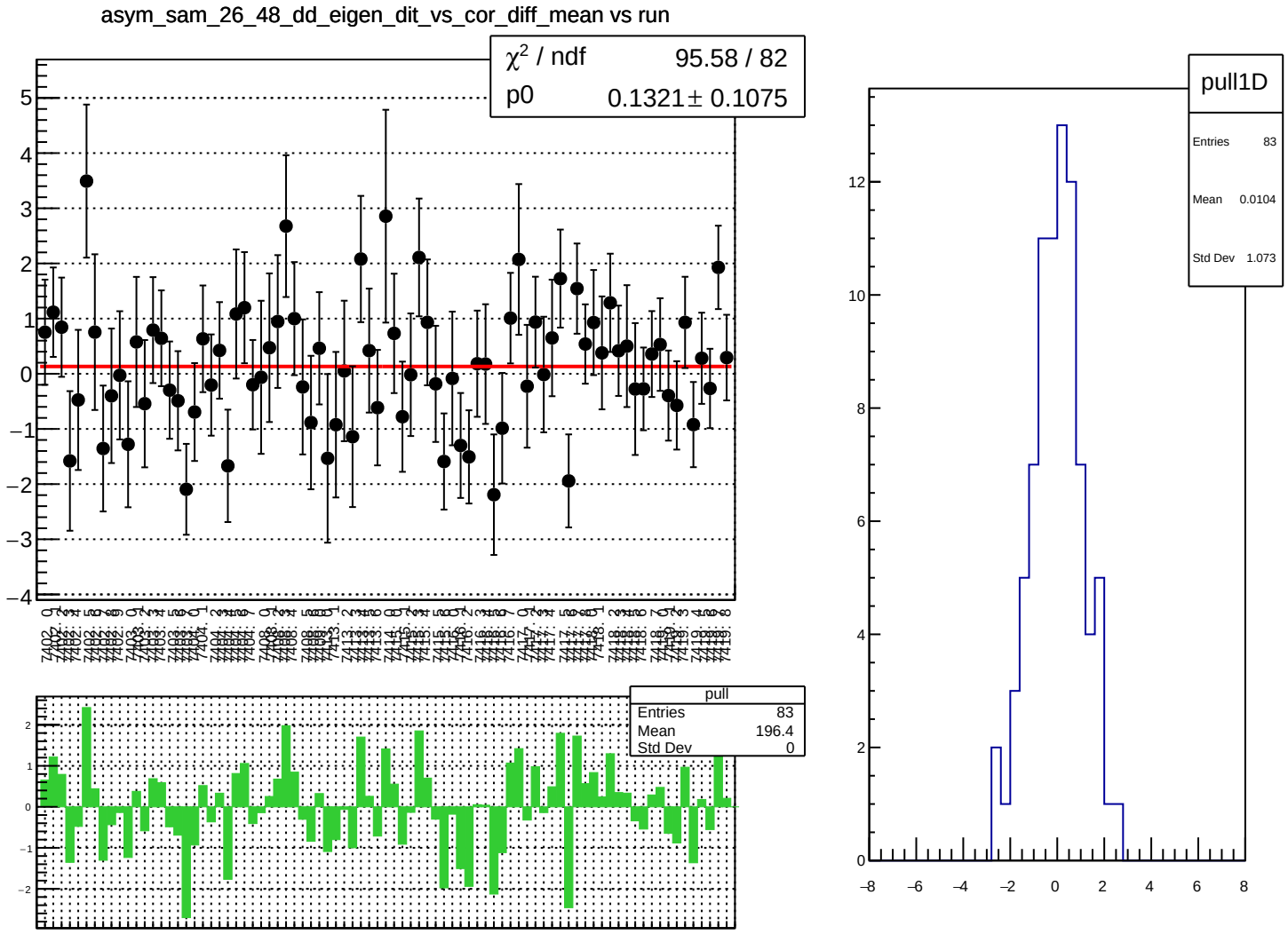

pull1D
Entries 83
Mean 0.01039
Std Dev 1.073

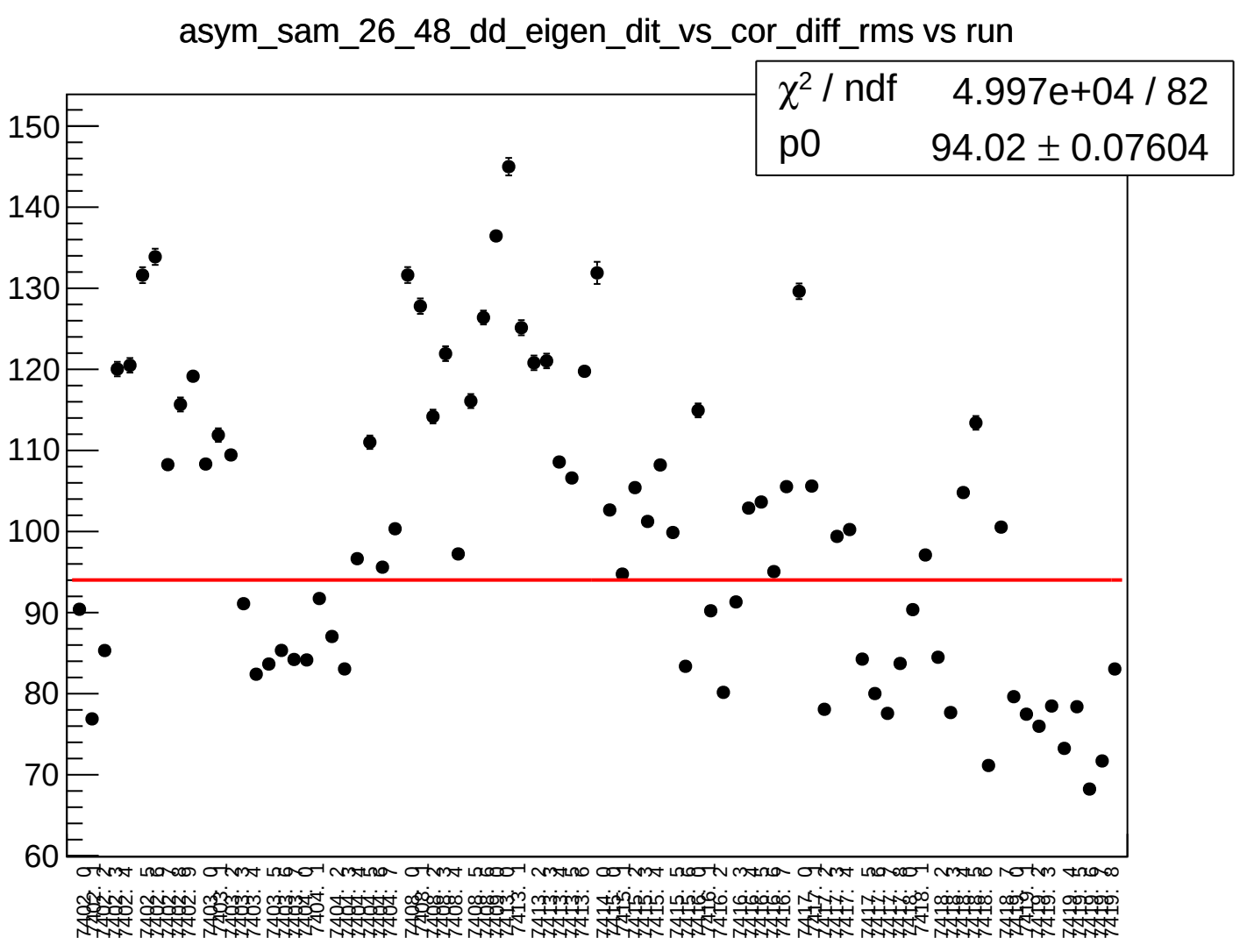

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.997e+04 / 82
p0 94.02 ± 0.07604
150
140
130
120
110
100
90
80
70
60

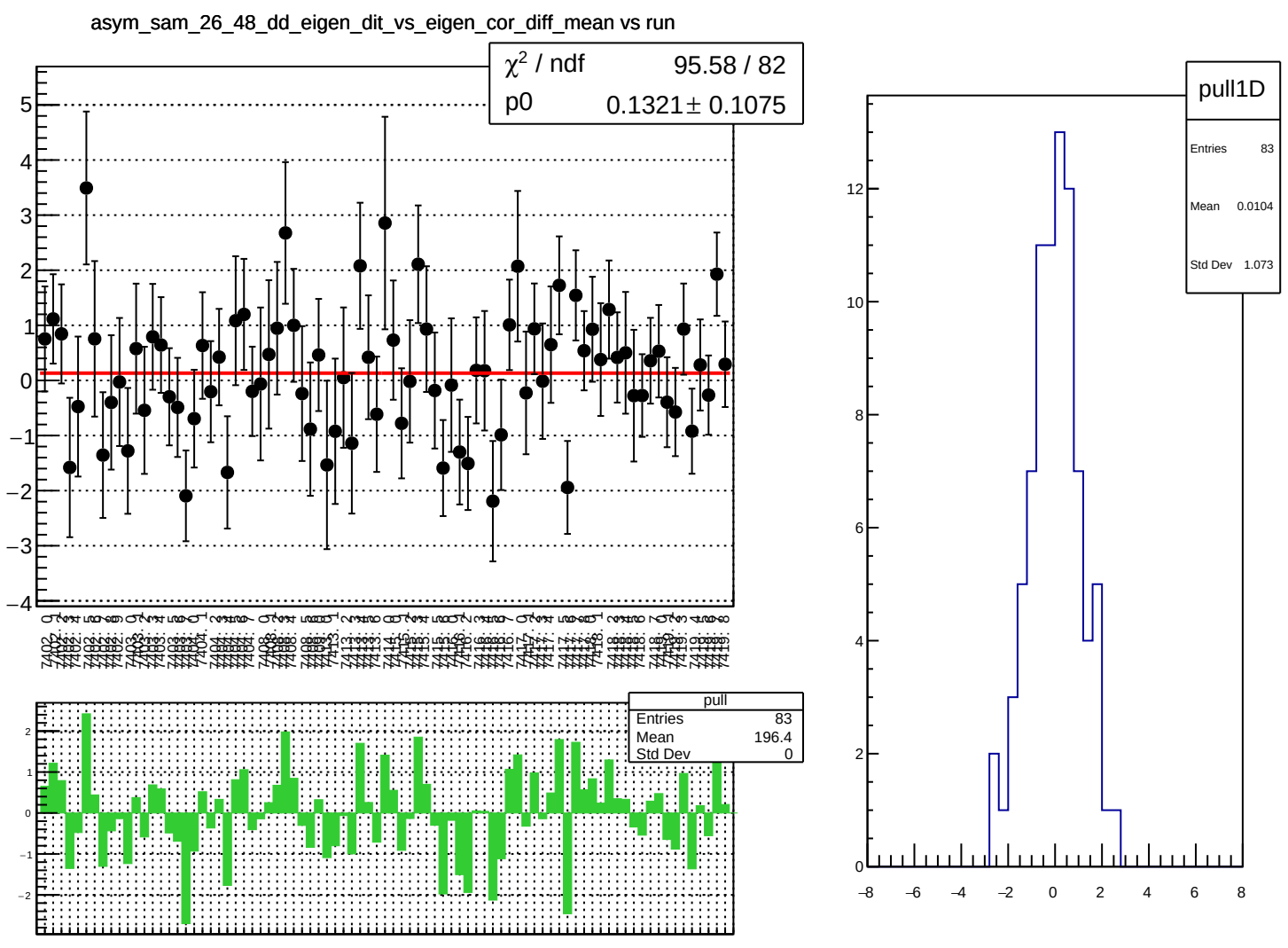

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.44 / 82
p0 −1.648e−06 ± 3.386e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 140.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

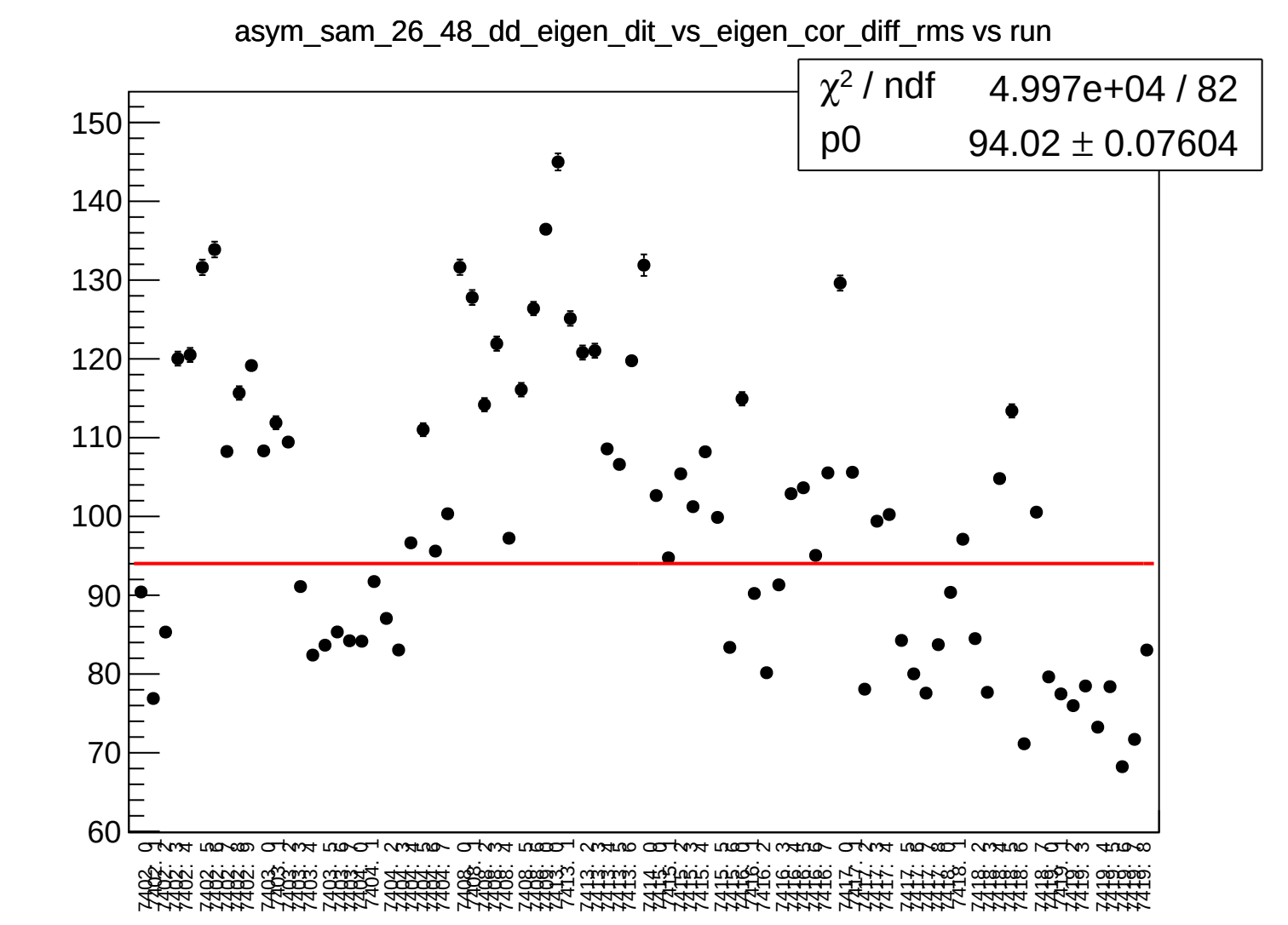

pull1D
Entries 83
Mean −0.04546
Std Dev 0.8521
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

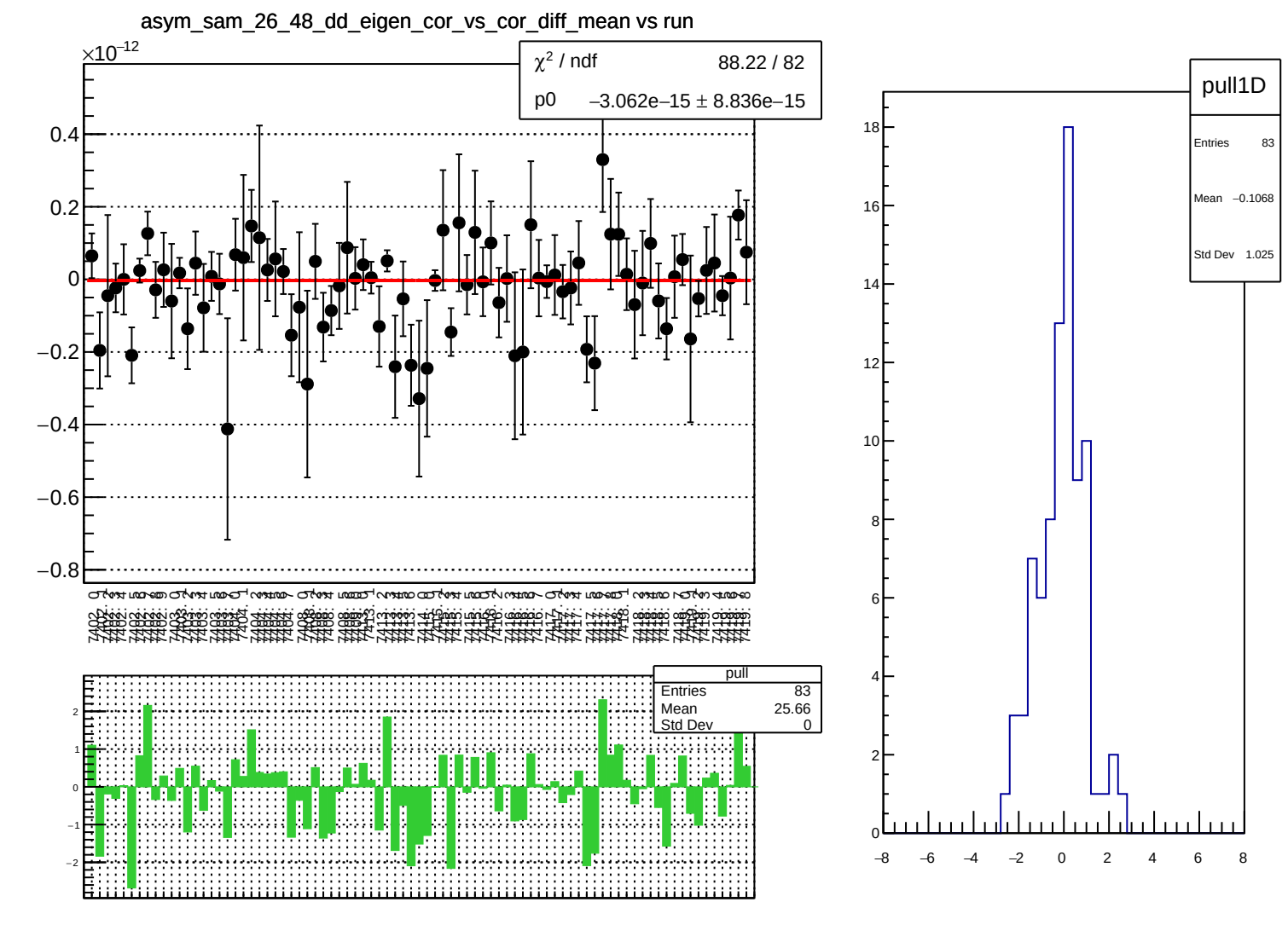

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.418e+05 / 82
p0 0.00287 ± 2.394e–06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

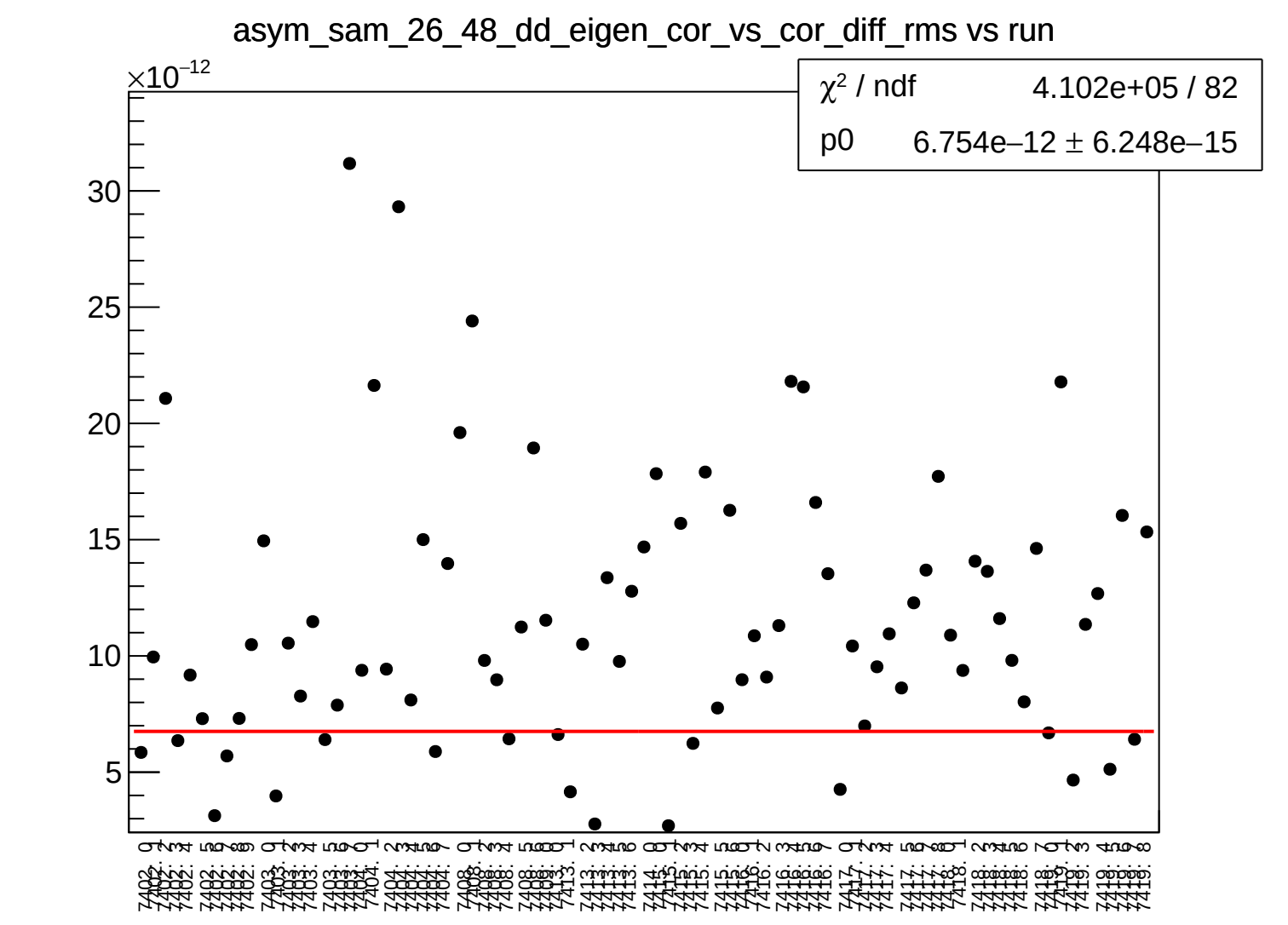

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.58 / 82
p0 0.1321 ± 0.1075
pull
Entries 83
Mean 196.4
Std Dev 0
pull1D
Entries 83
Mean 0.0104
Std Dev 1.073

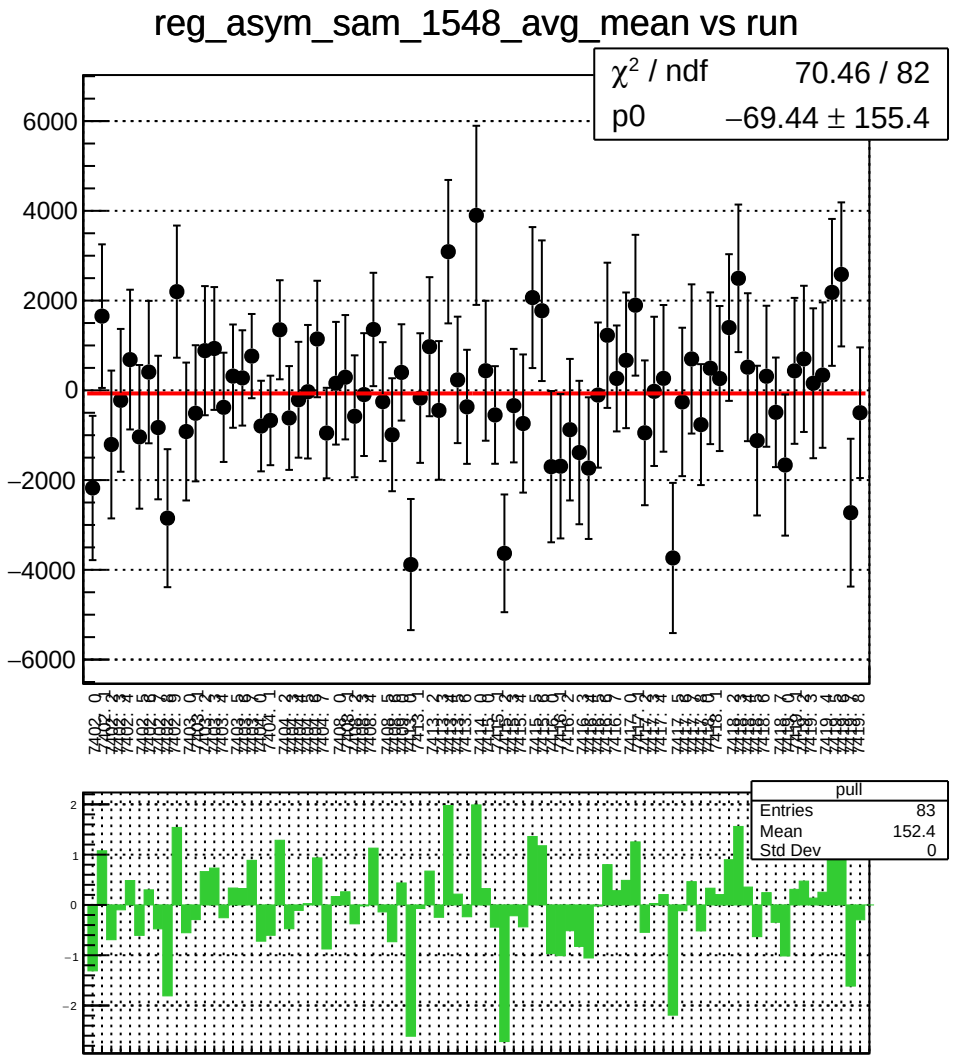

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.997e+04 / 82
p0 94.02 ± 0.07604
150
140
130
120
110
100
90
80
70
60

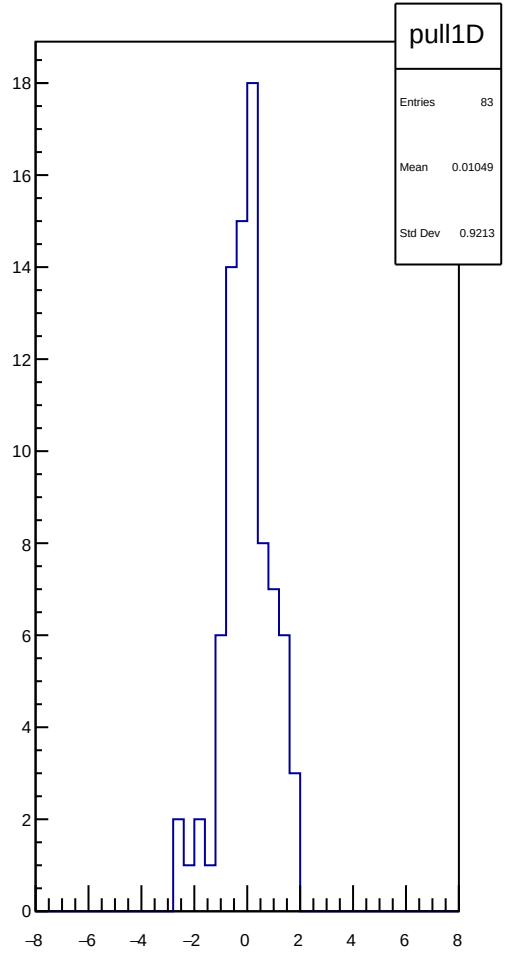

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.58 / 82
p0 0.1321 ± 0.1075
pull
Entries 83
Mean 196.4
Std Dev 0
pull1D
Entries 83
Mean 0.0104
Std Dev 1.073

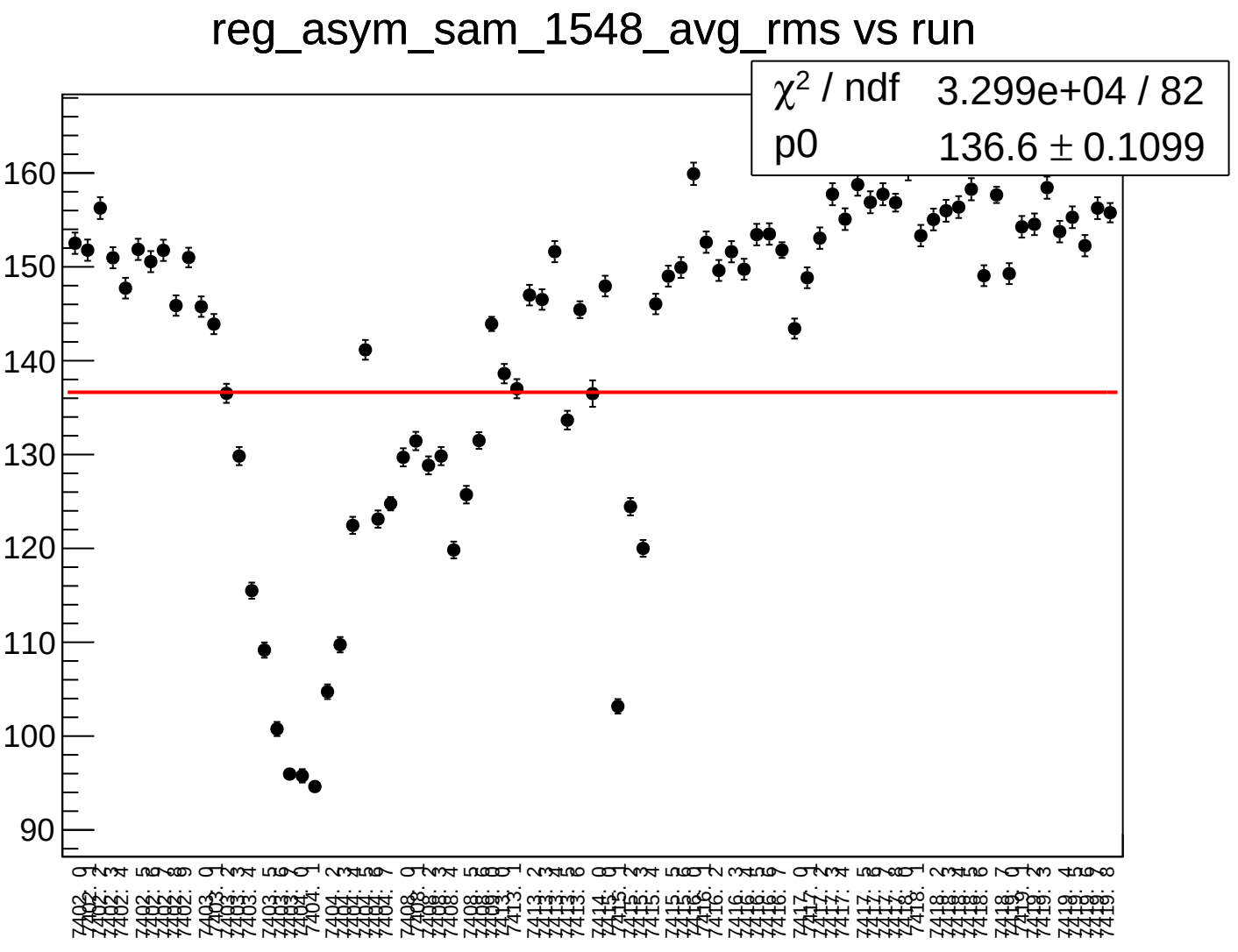

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.997e+04 / 82
p0 94.02 ± 0.07604
150
140
130
120
110
100
90
80
70
60

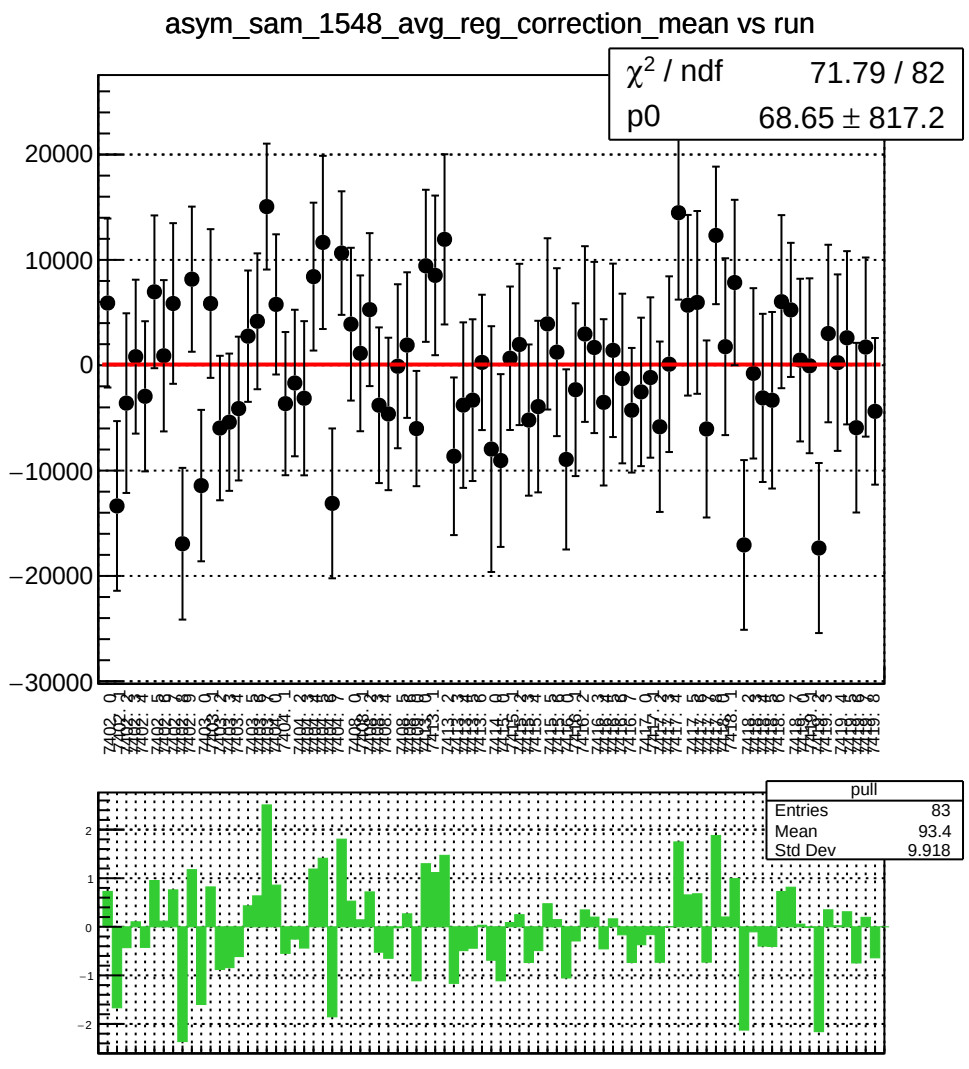

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.22 / 82
p0 −3.062e−15 ± 8.836e−15
pull
Entries 83
Mean 25.66
Std Dev 0
pull1D
Entries 83
Mean −0.1068
Std Dev 1.025

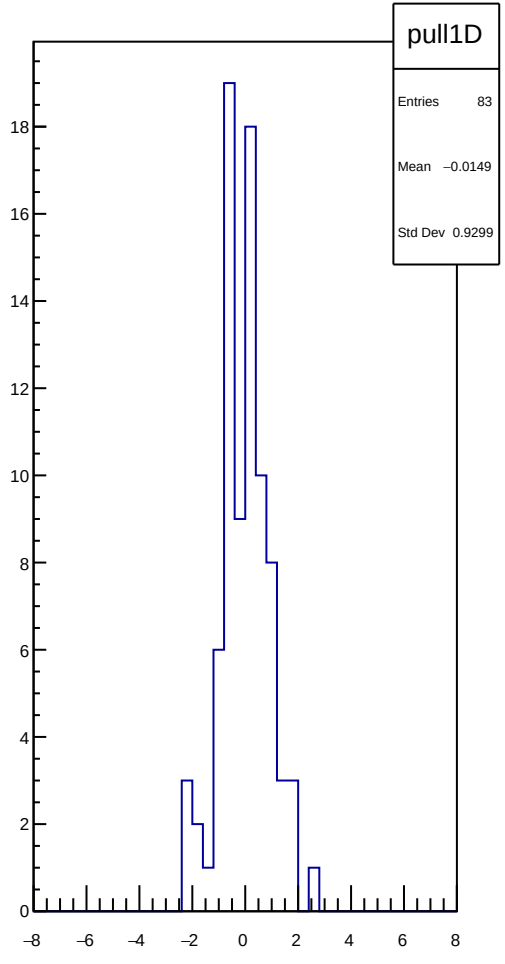

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.102e+05 / 82
p0 6.754e−12 ± 6.248e−15
30
25
20
15
10
5

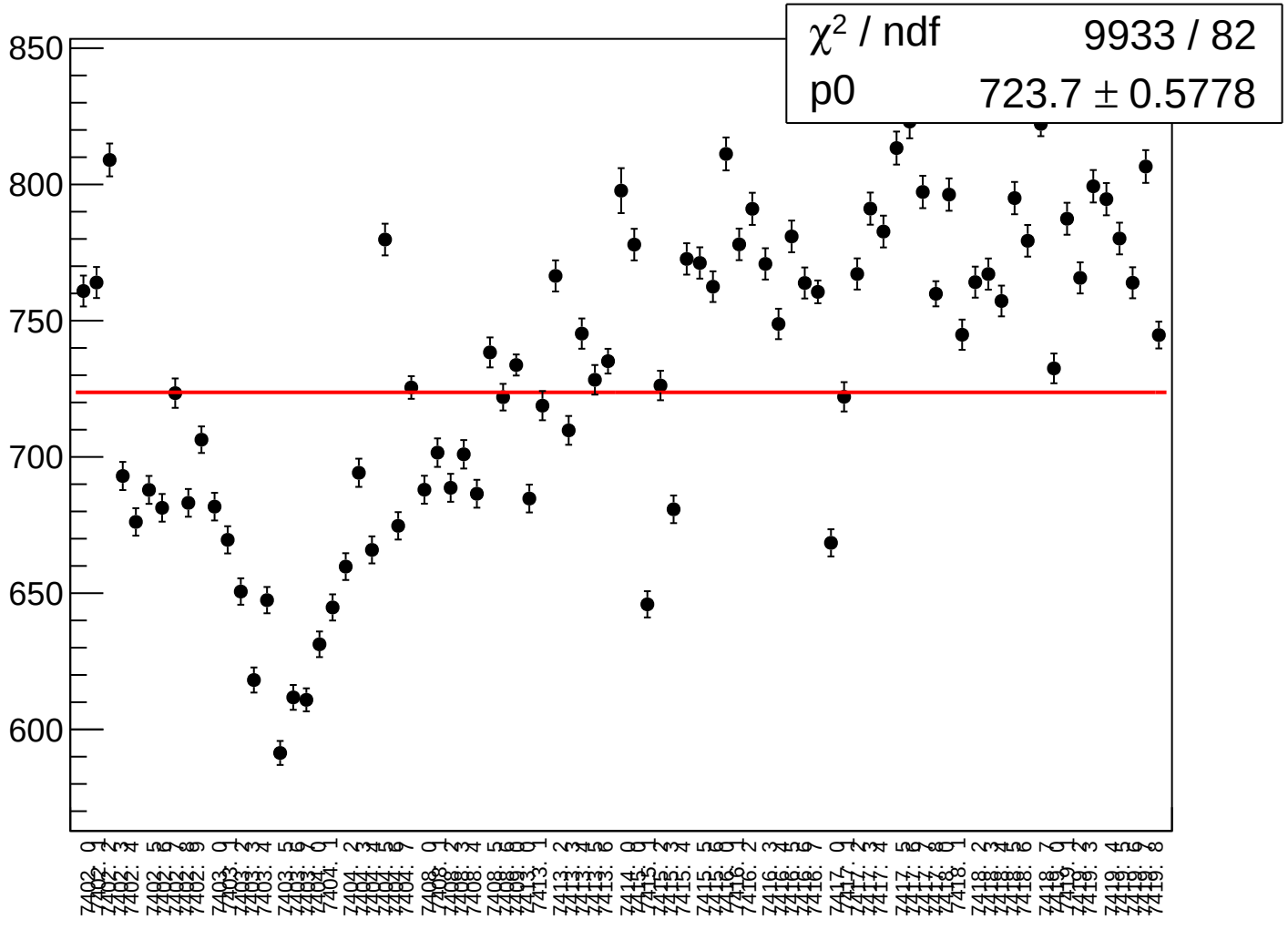

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 70.46 / 82
p0 −69.44 ± 155.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 152.4
Std Dev 0
2
1
0
−1
−2

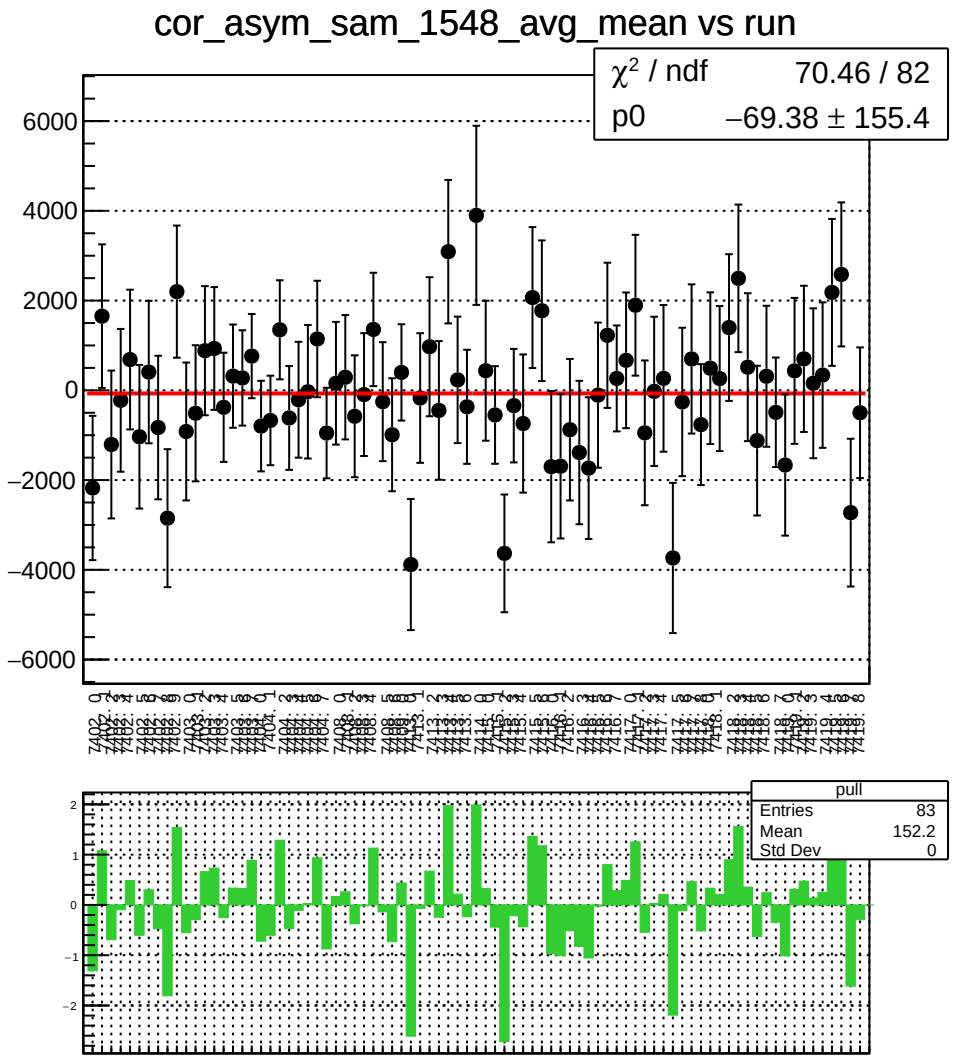

pull1D
Entries 83
Mean 0.01049
Std Dev 0.9213
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

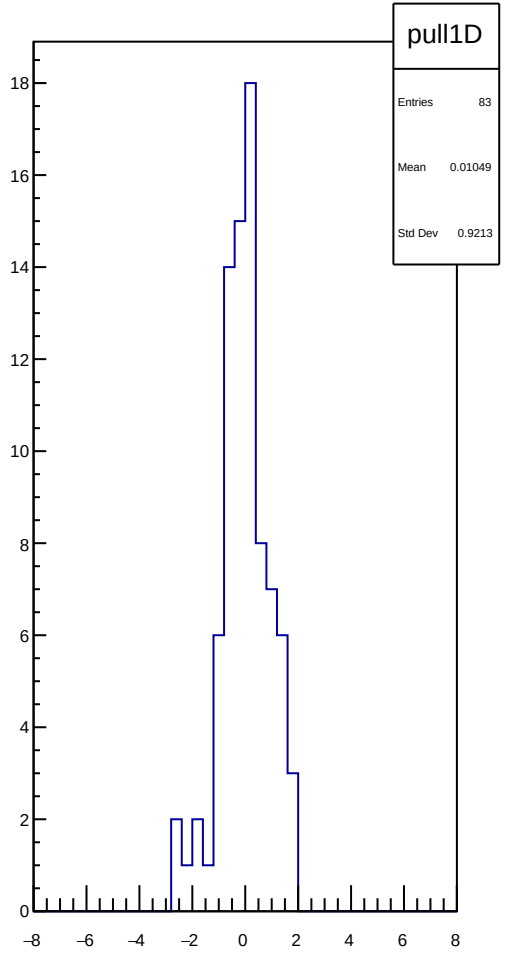

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 3.299e+04 / 82
p0 136.6 ± 0.1099
160
150
140
130
120
110
100
90

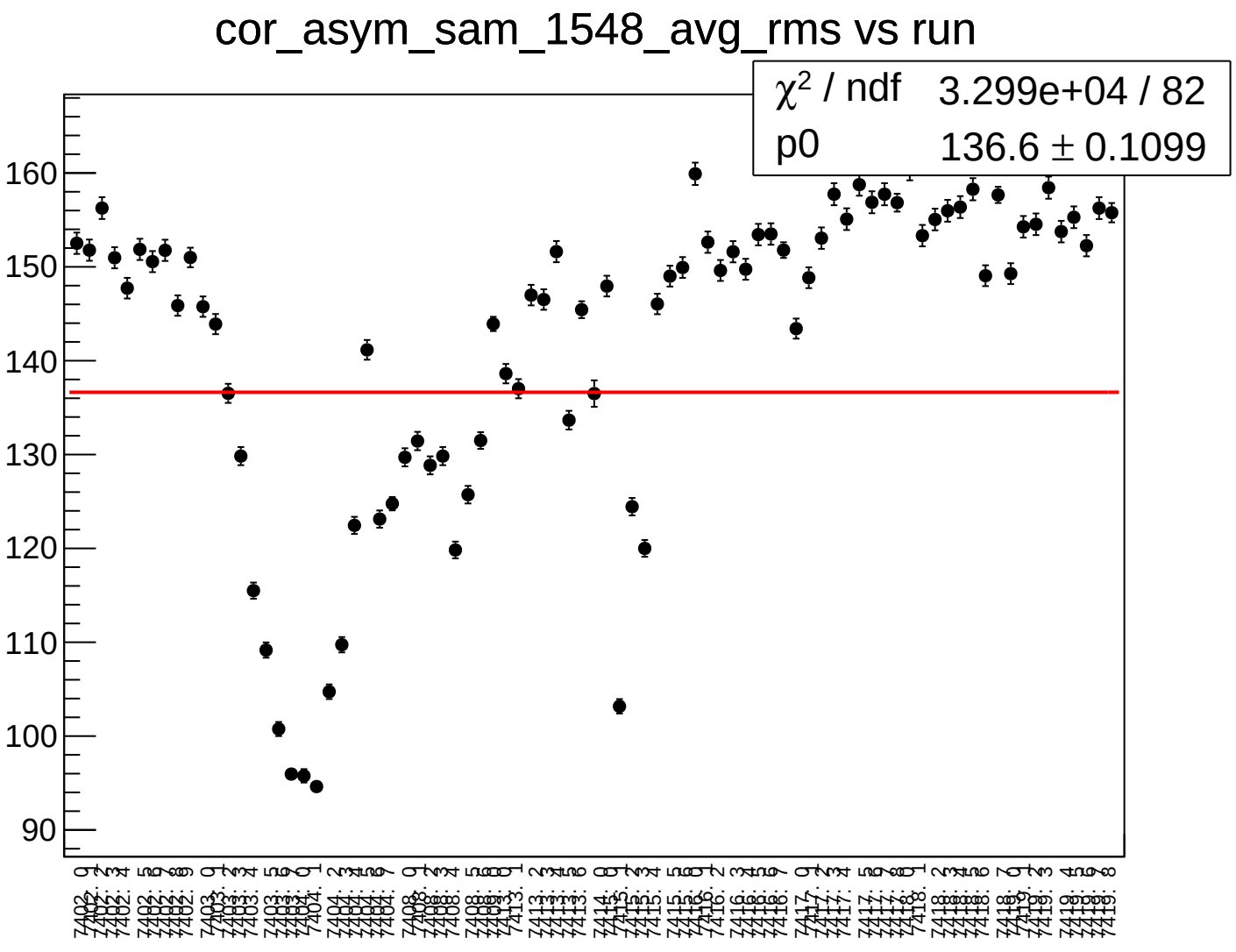

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 71.79 / 82
p0 68.65 ± 817.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 93.4
Std Dev 9.918
2
1
0
−1
−2

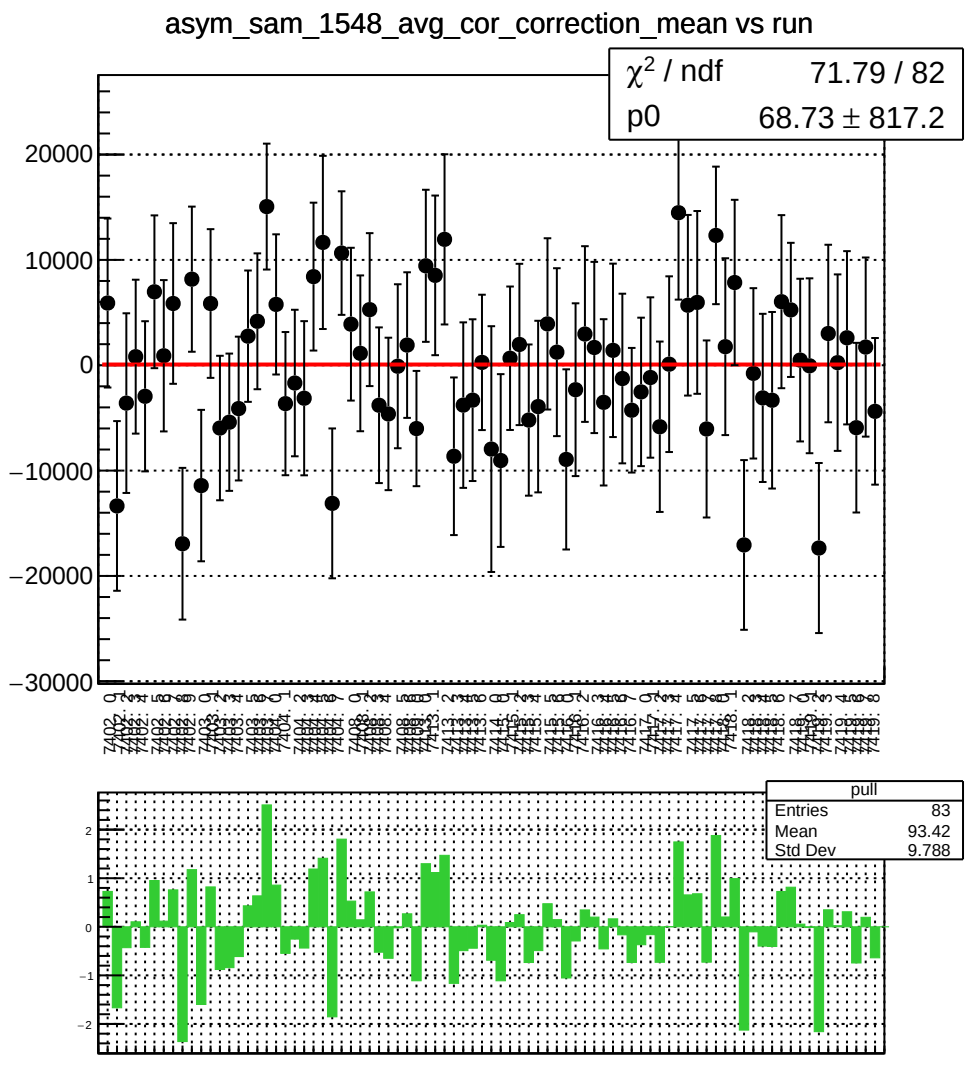

pull1D
Entries 83
Mean −0.0149
Std Dev 0.9299
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

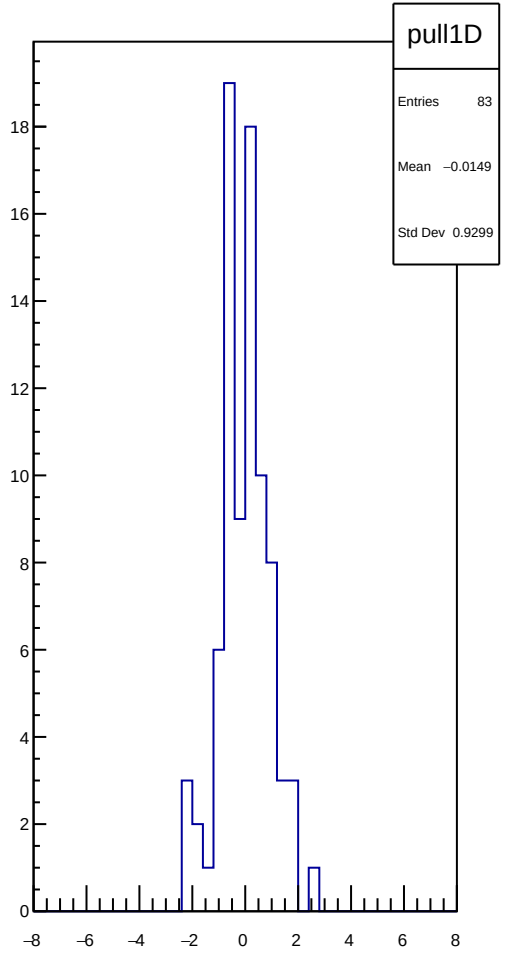

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 9933 / 82
p0 723.7 ± 0.5778
850
800
750
700
650
600

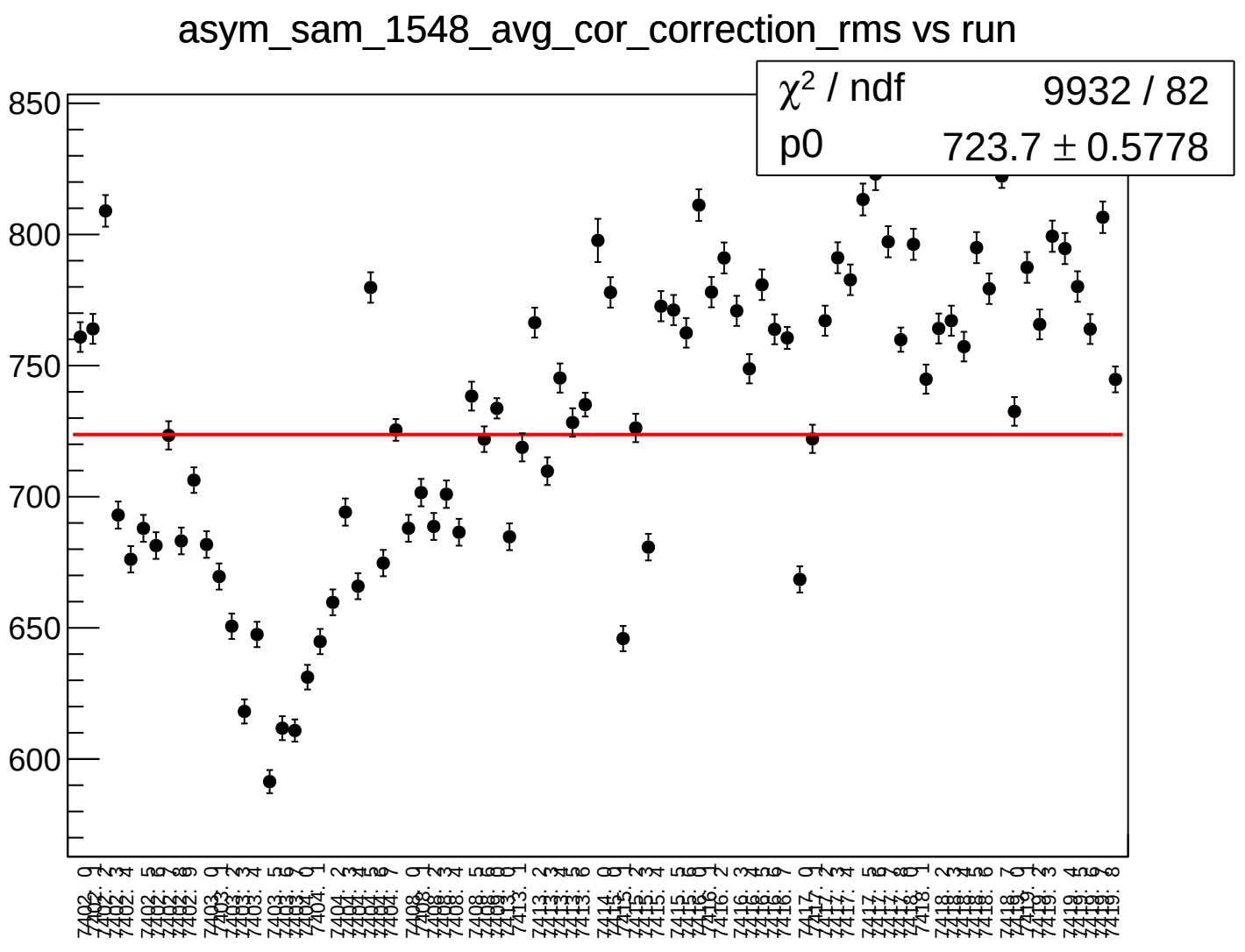

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 70.46 / 82
p0 −69.38 ± 155.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 152.2
Std Dev 0
2
1
0
−1
−2

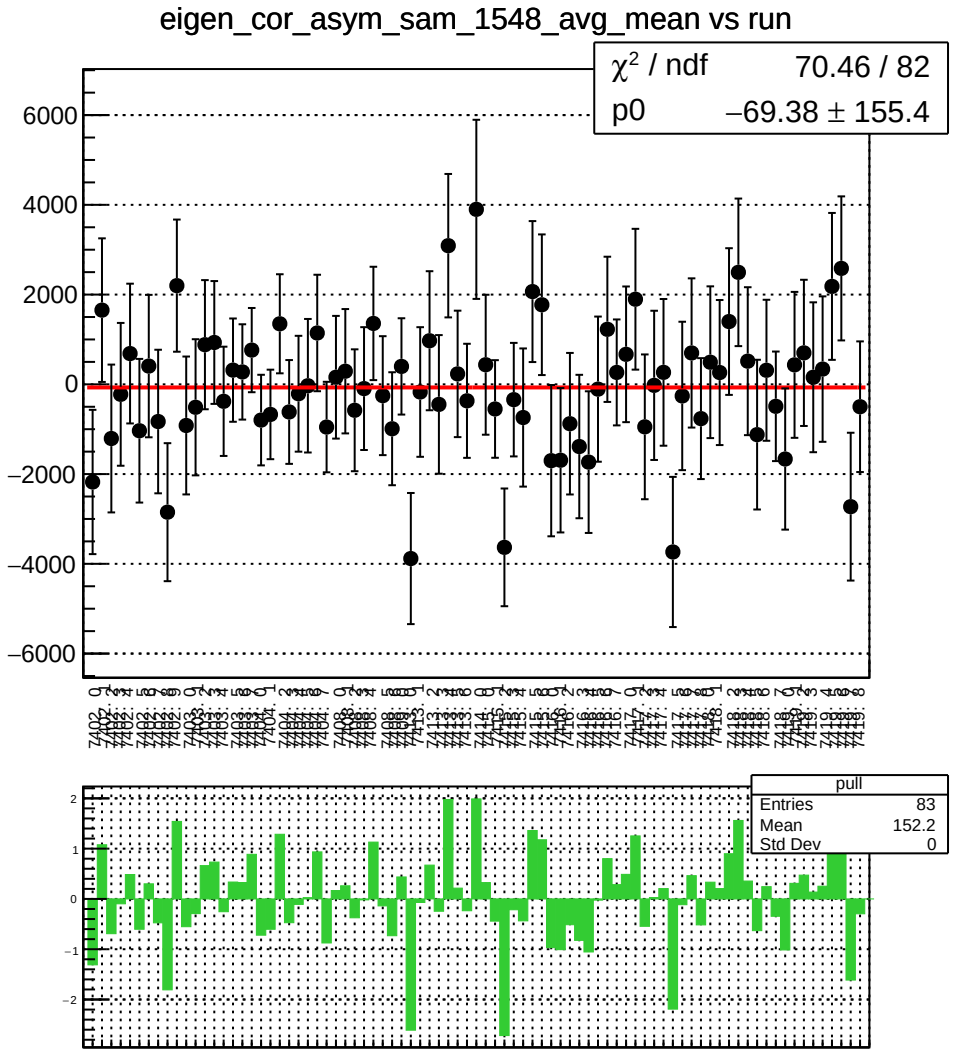

pull1D
Entries 83
Mean 0.01049
Std Dev 0.9213
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

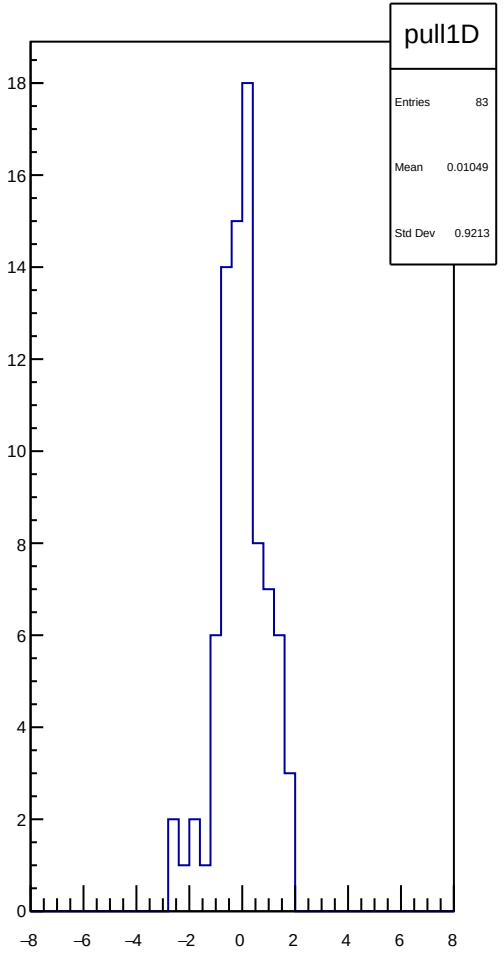

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3.299e+04 / 82
p0 136.6 ± 0.1099
160
150
140
130
120
110
100
90

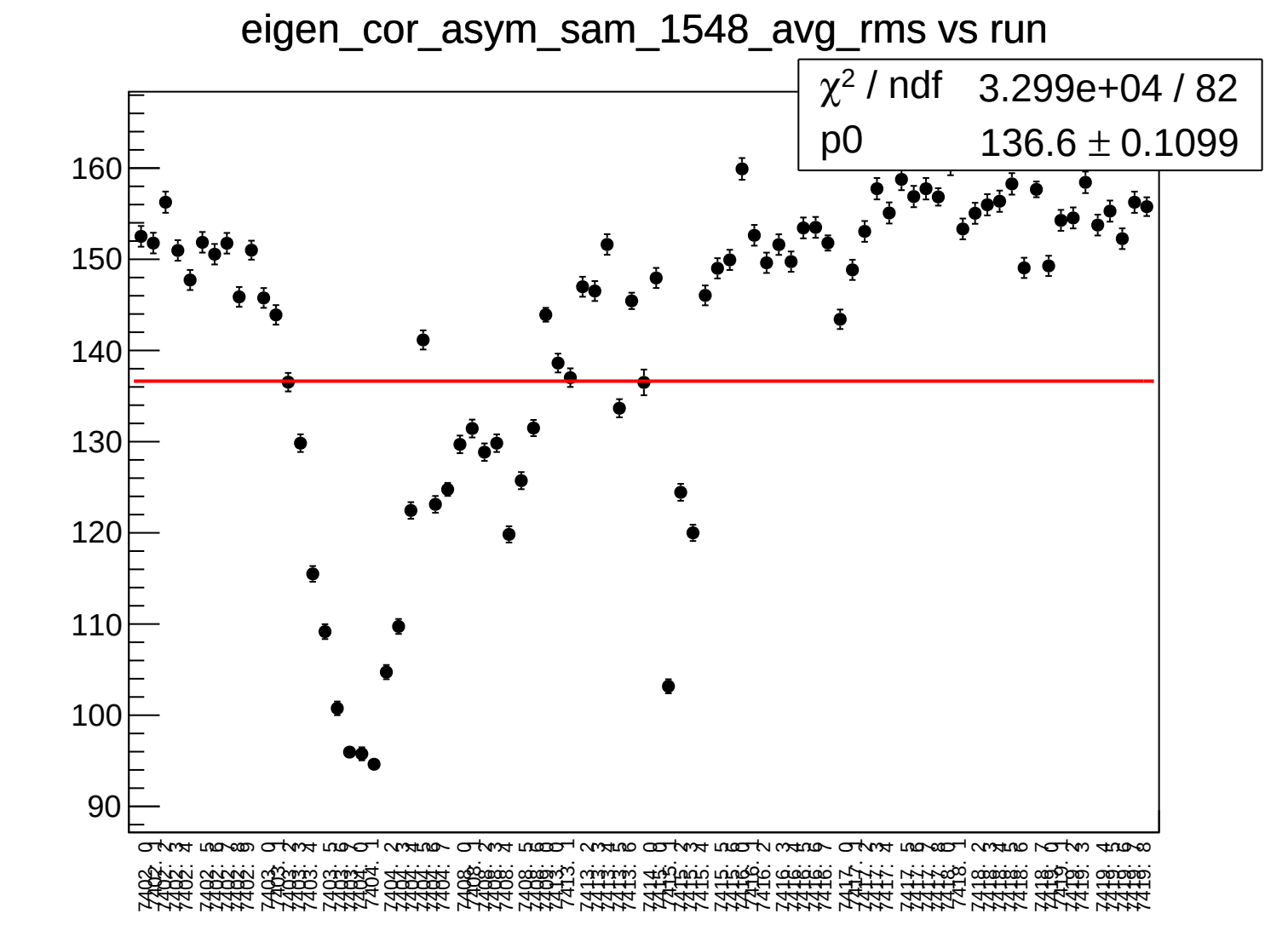

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 71.79 / 82
p0 68.73 ± 817.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 93.42
Std Dev 9.788
2
1
0
−1
−2

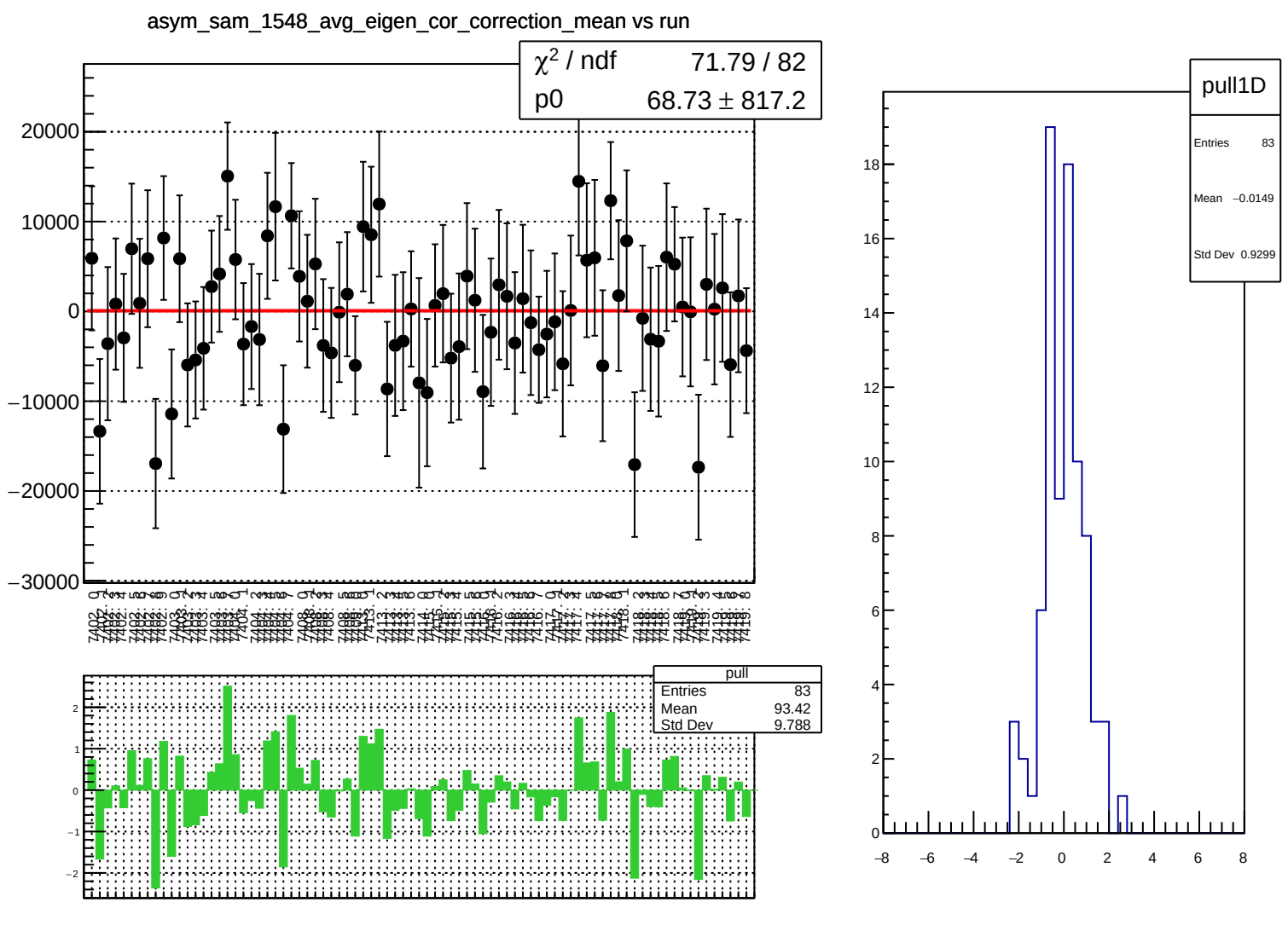

pull1D
Entries 83
Mean −0.0149
Std Dev 0.9299
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

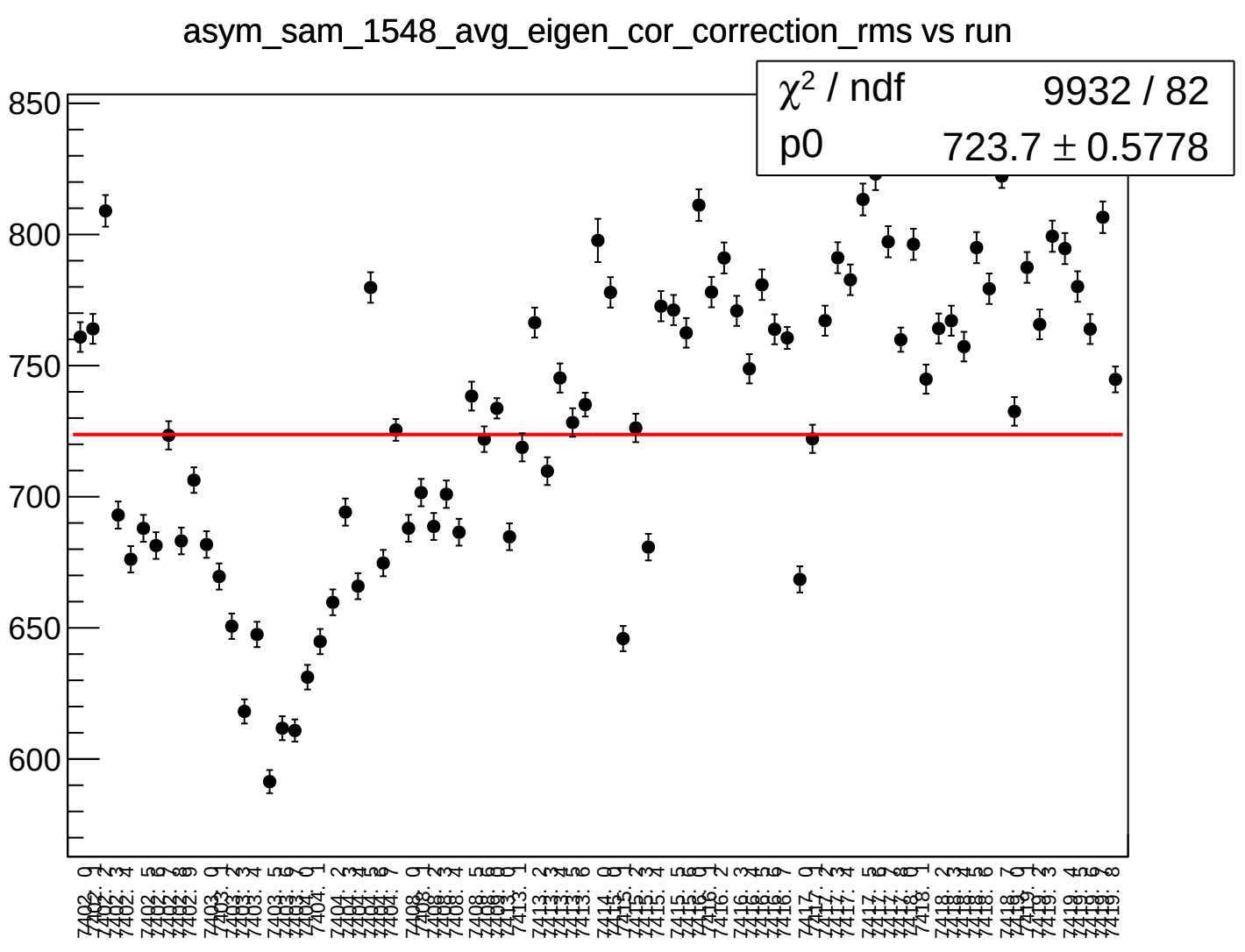

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 9932 / 82
p0 723.7 ± 0.5778
850
800
750
700
650
600

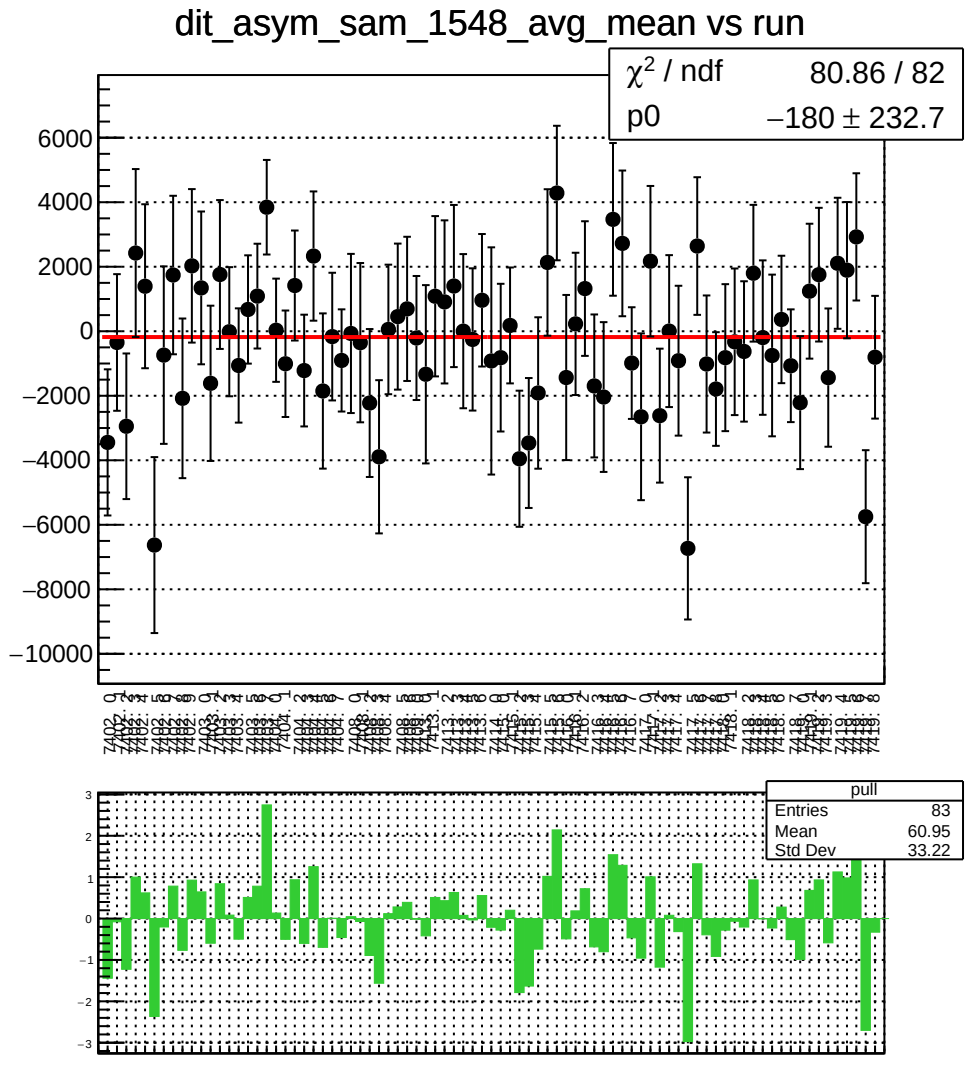

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 70.46 / 82
p0 −69.38 ± 155.4
pull
Entries 83
Mean 152.2
Std Dev 0

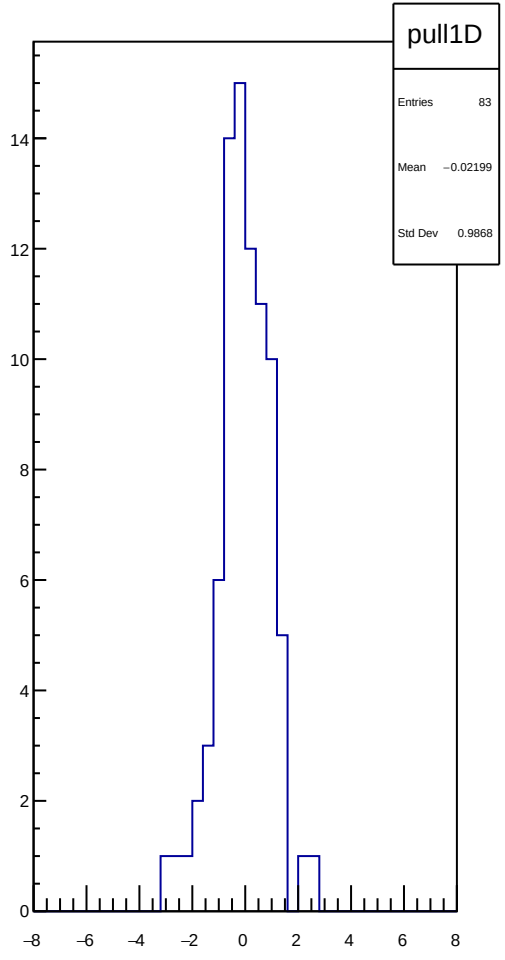

pull1D
Entries 83
Mean 0.01049
Std Dev 0.9213

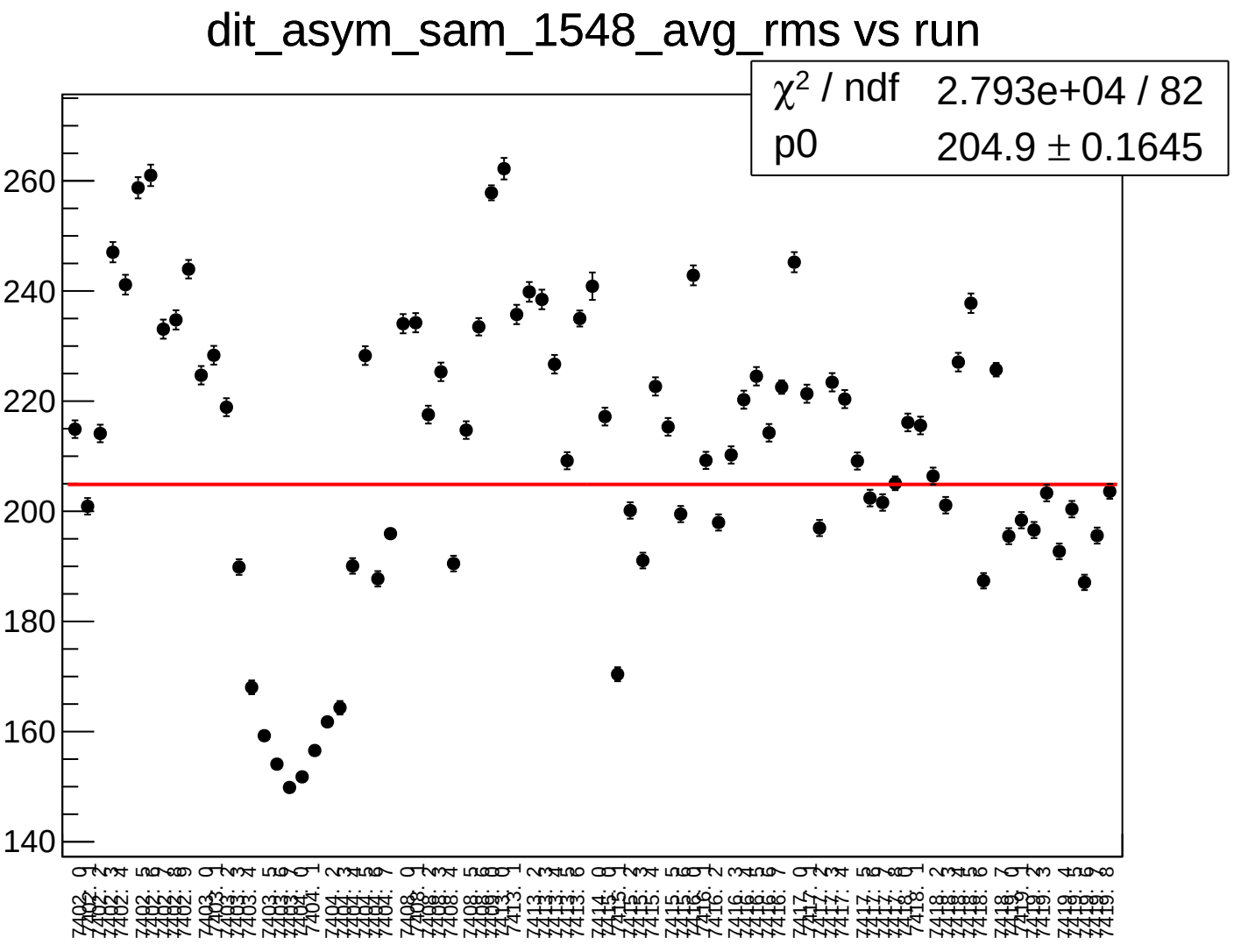

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3.299e+04 / 82
p0 136.6 ± 0.1099
160
150
140
130
120
110
100
90

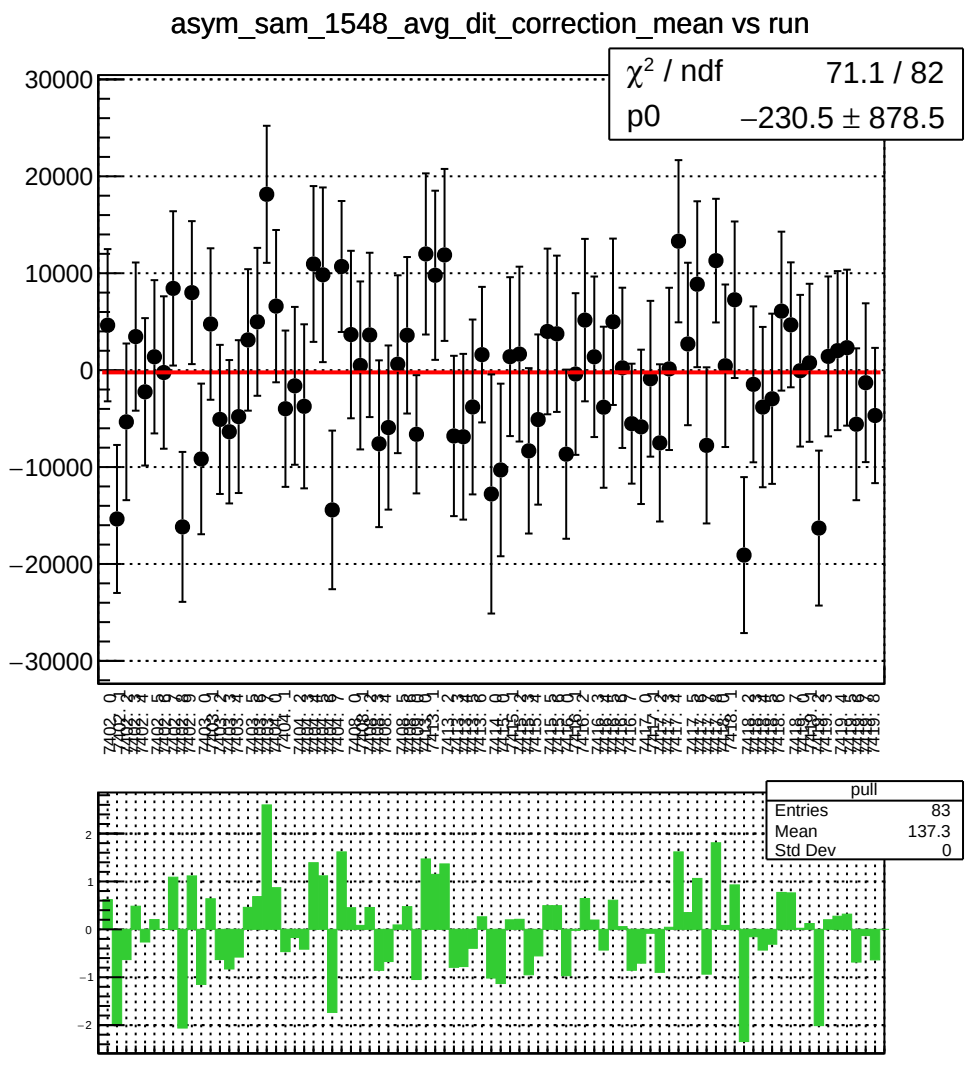

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.79 / 82
p0 68.73 ± 817.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 93.42
Std Dev 9.788
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.0149
Std Dev 0.9299
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

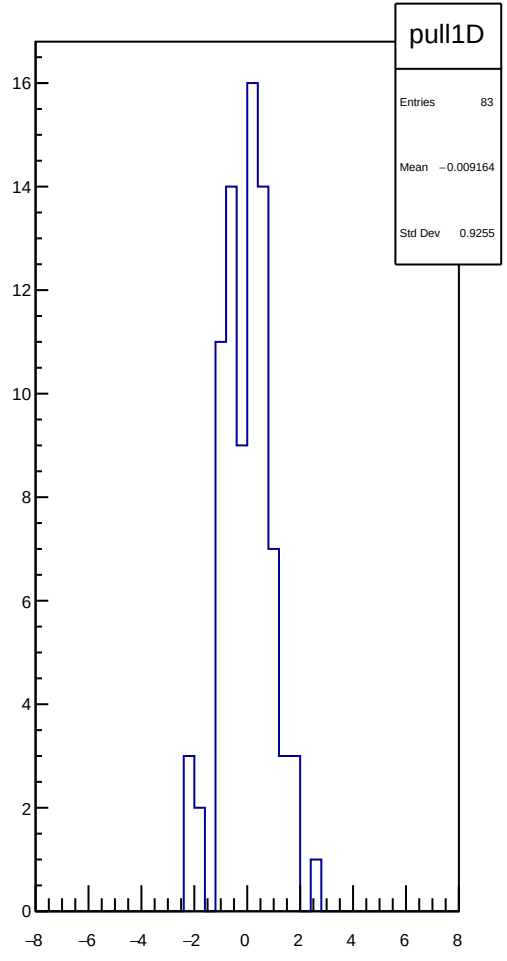

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 9932 / 82
p0 723.7 ± 0.5778
850
800
750
700
650
600

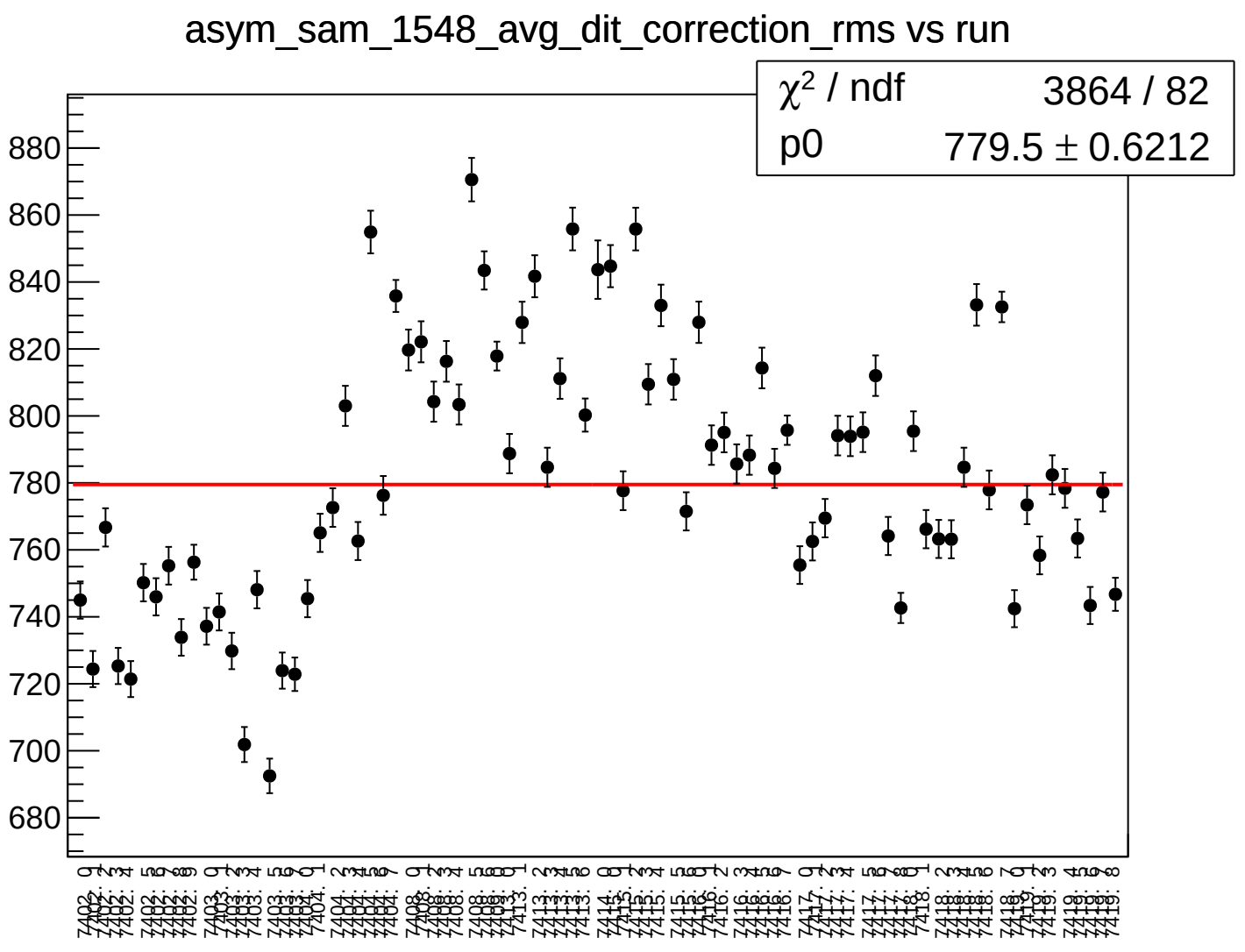

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 80.86 / 82
p0 −180 ± 232.7
pull
Entries 83
Mean 60.95
Std Dev 33.22

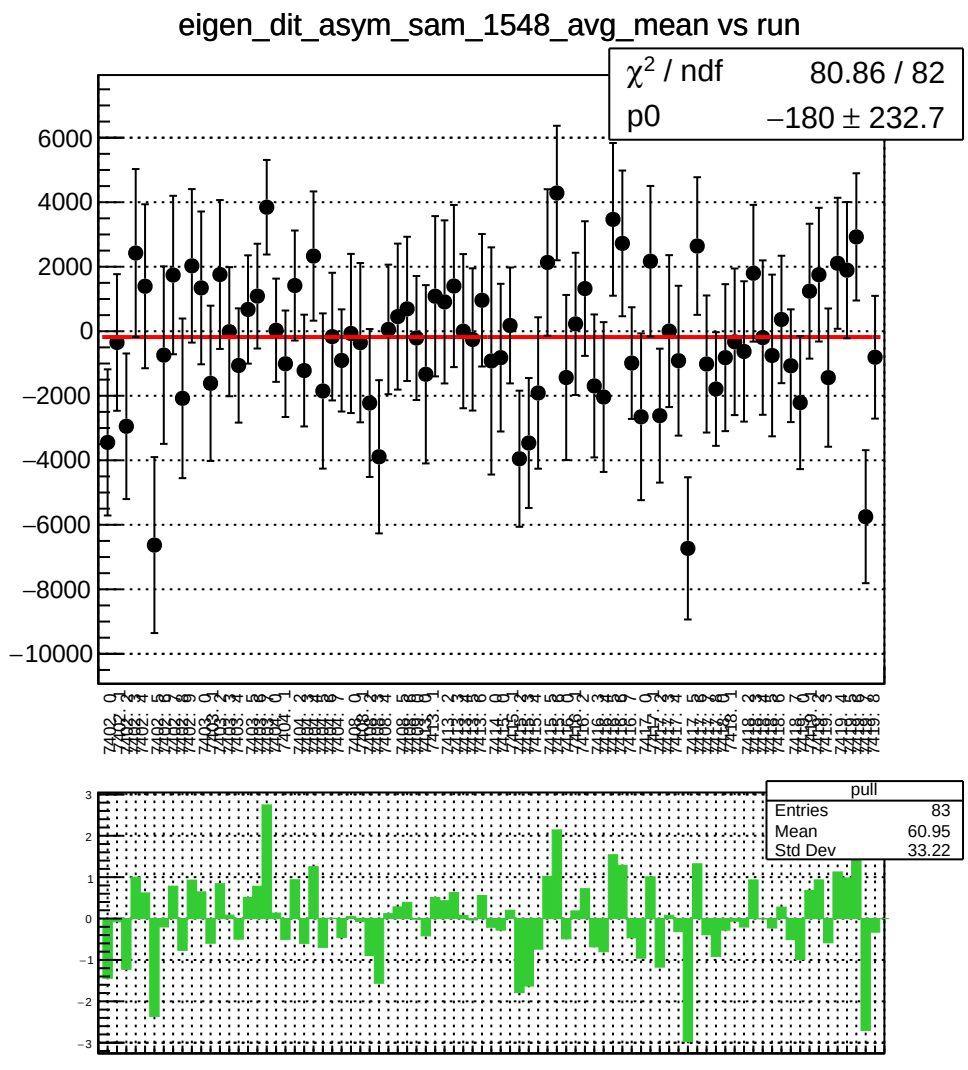

pull1D
Entries 83
Mean −0.02199
Std Dev 0.9868

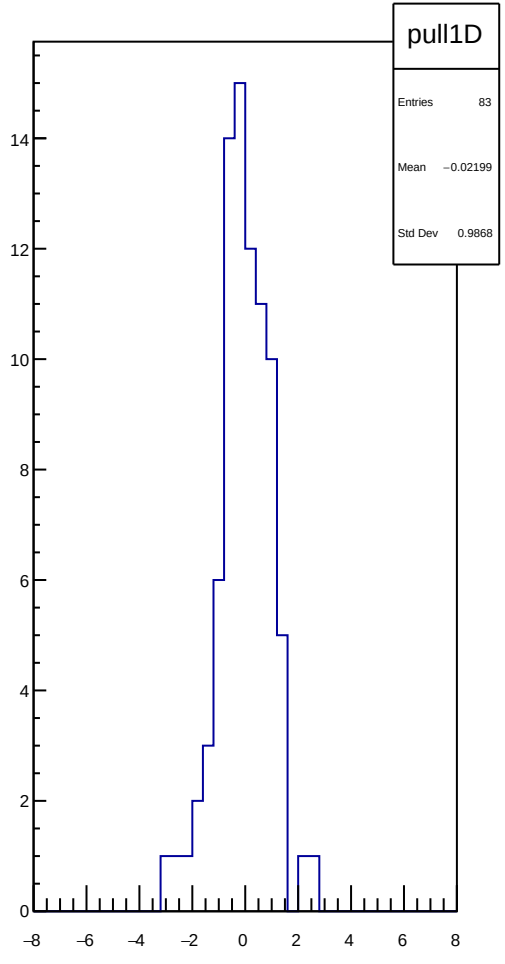

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.793e+04 / 82
p0 204.9 ± 0.1645
260
240
220
200
180
160
140

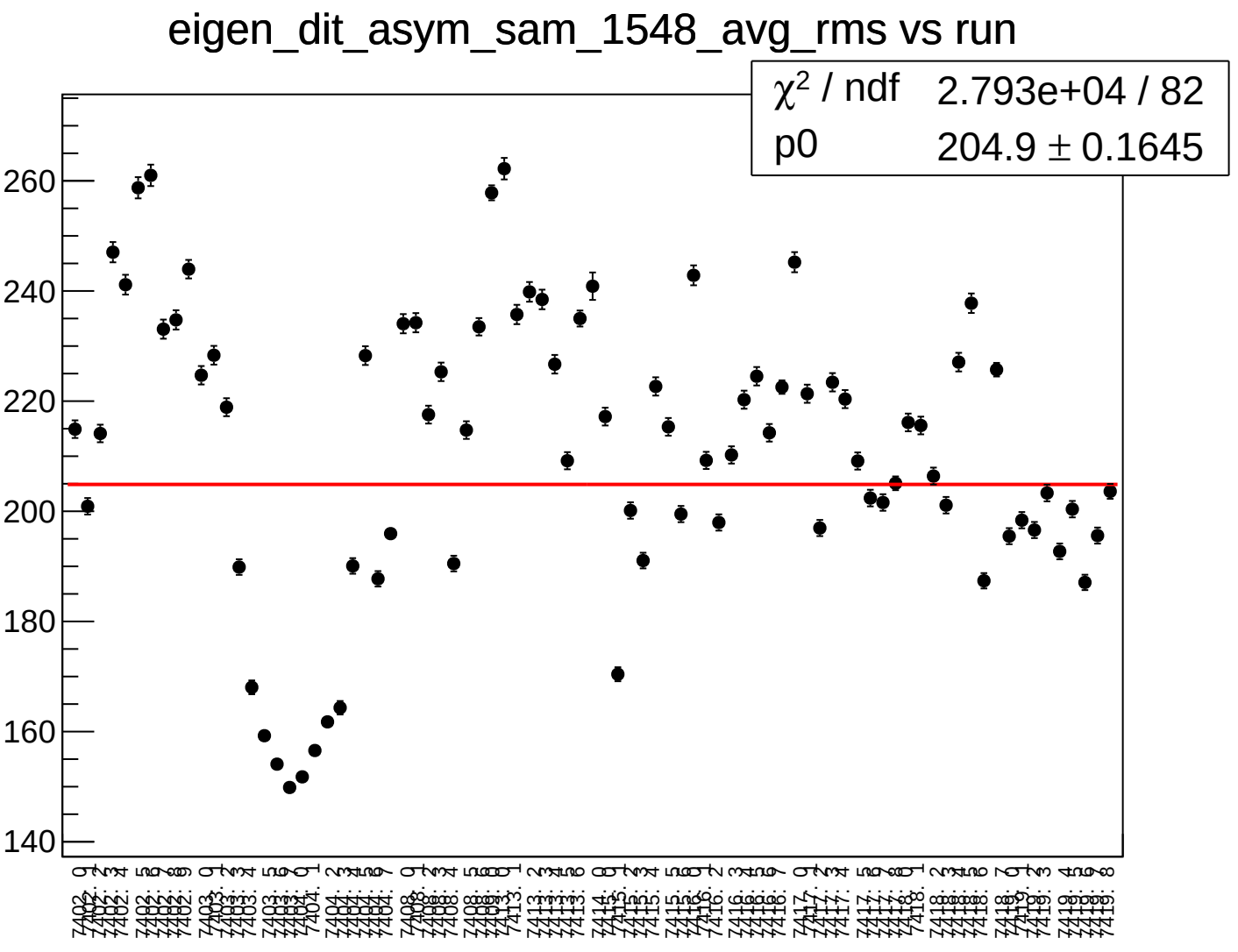

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 71.1 / 82
p0 −230.5 ± 878.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 137.3
Std Dev 0
2
1
0
−1
−2

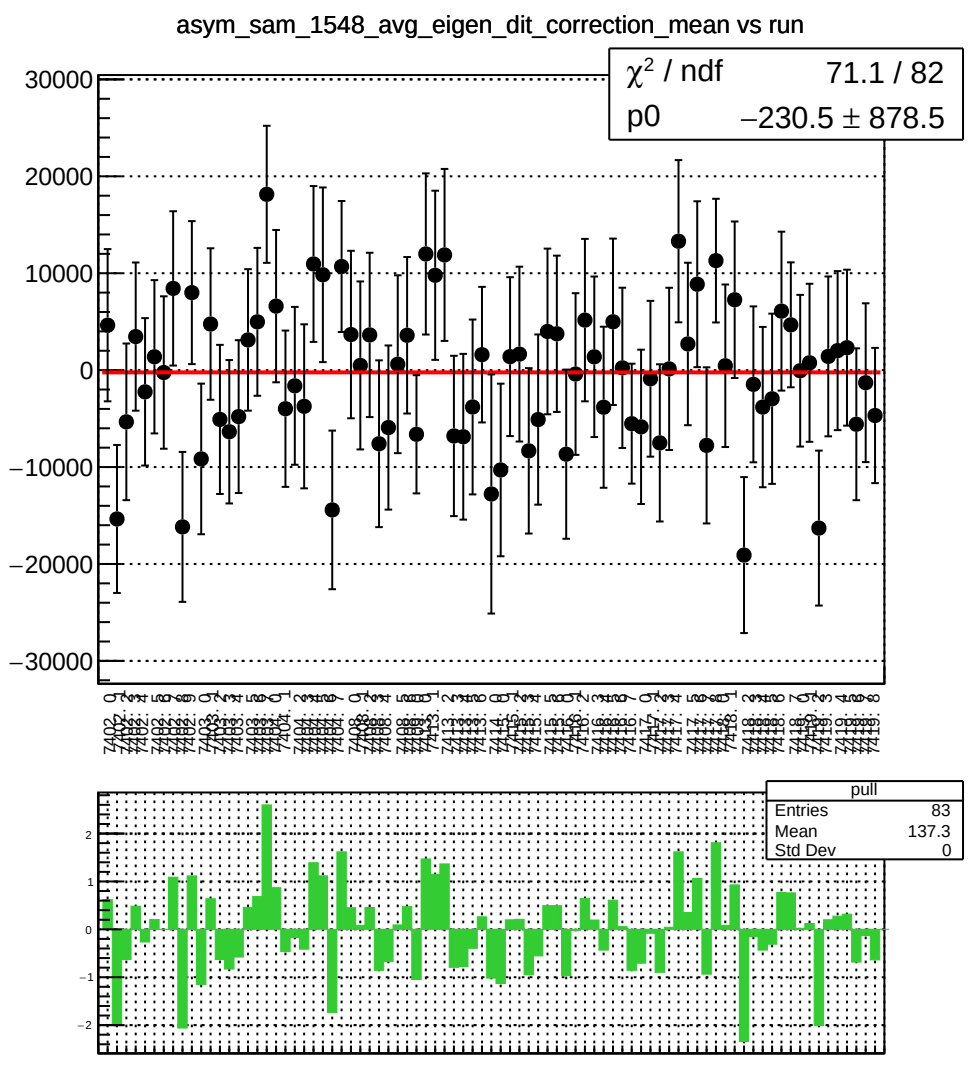

pull1D
Entries 83
Mean −0.009164
Std Dev 0.9255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

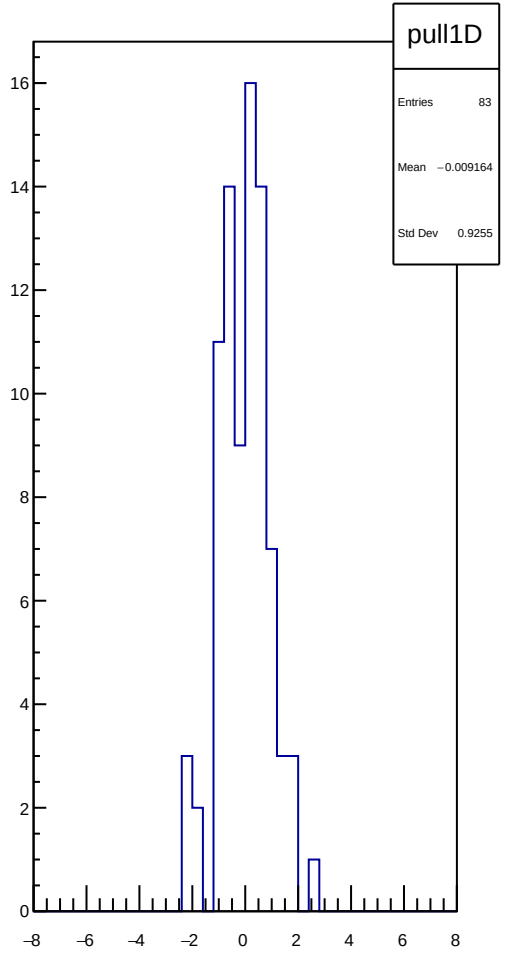

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 3864 / 82
p0 779.5 ± 0.6212
880
860
840
820
800
780
760
740
720
700
680

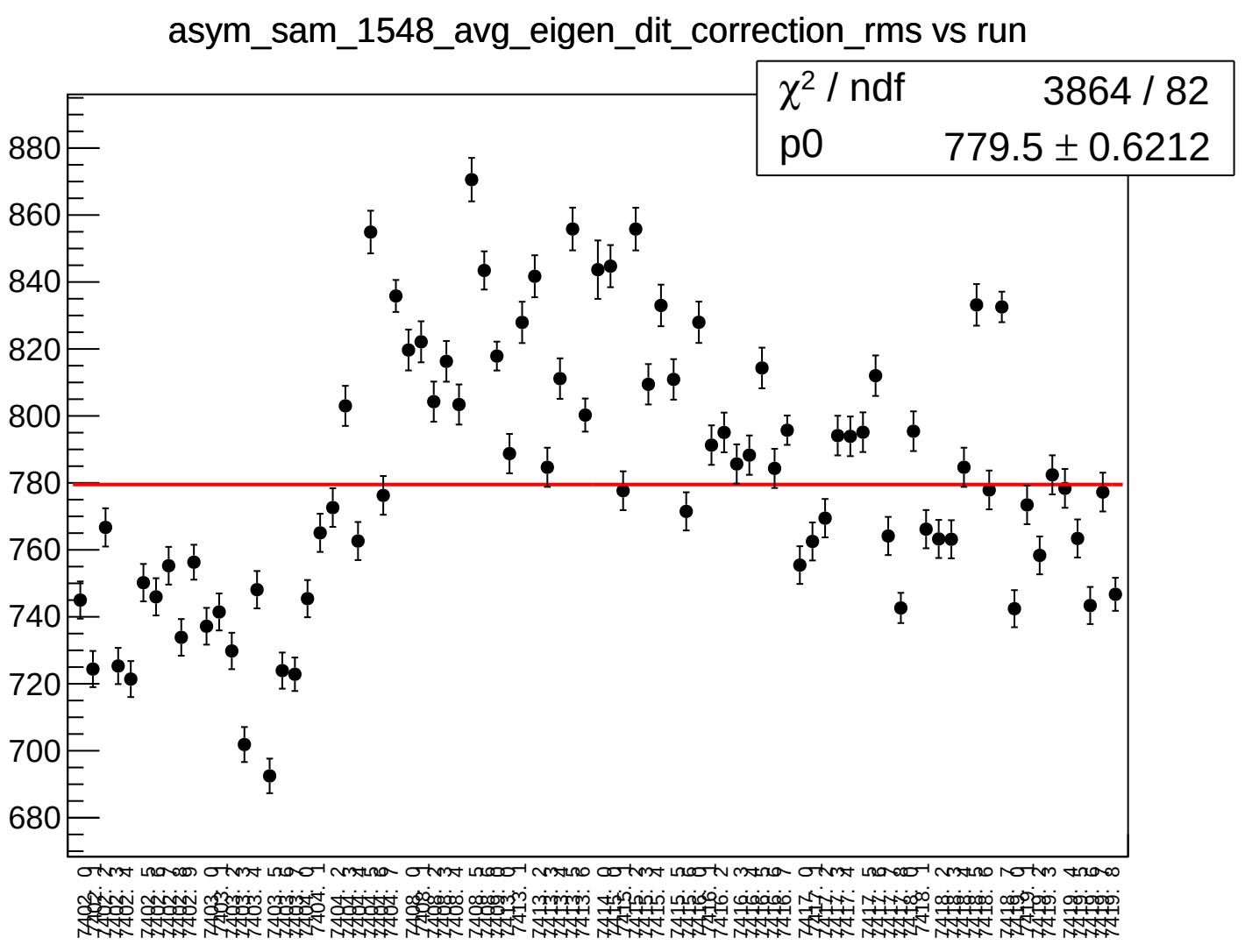

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 80.86 / 82
p0 −180 ± 232.7
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 83
Mean 60.95
Std Dev 33.22
3
2
1
0
−1
−2
−3

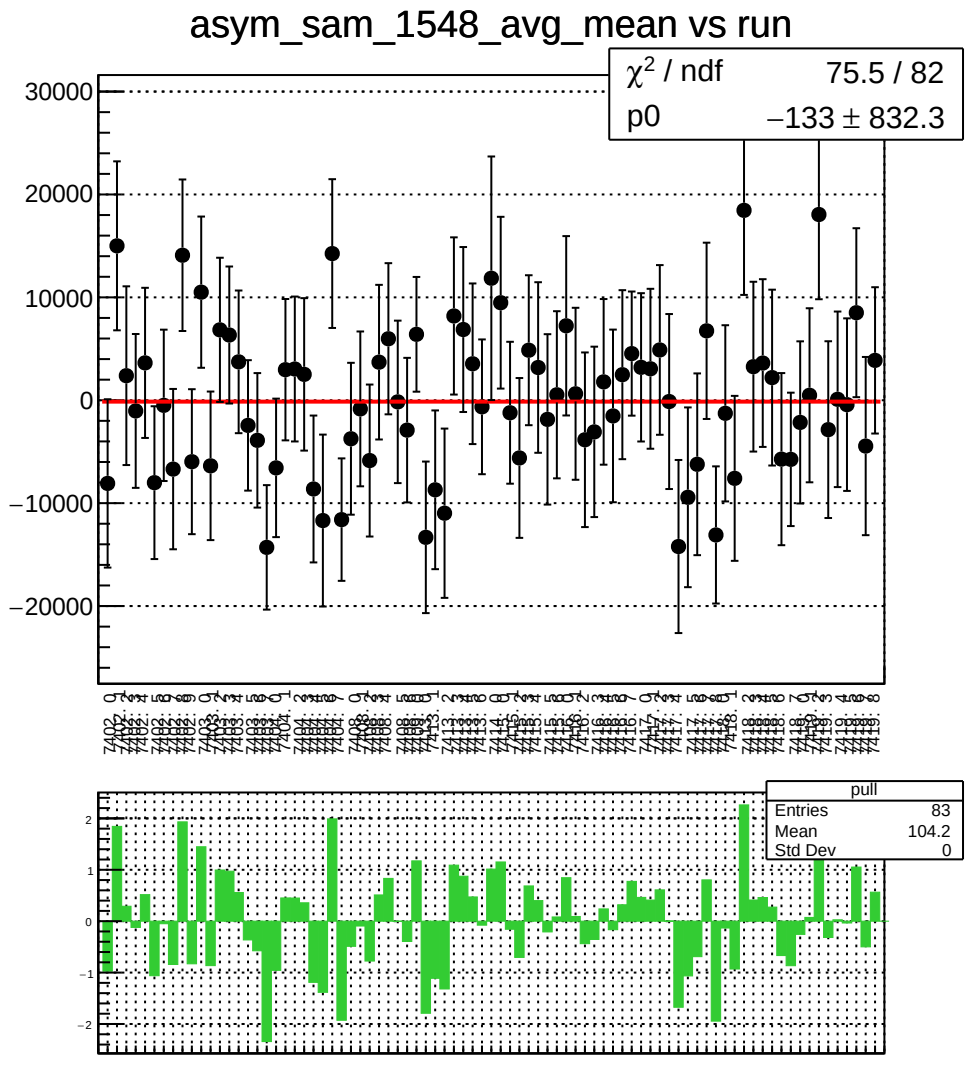

pull1D
Entries 83
Mean −0.02199
Std Dev 0.9868
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

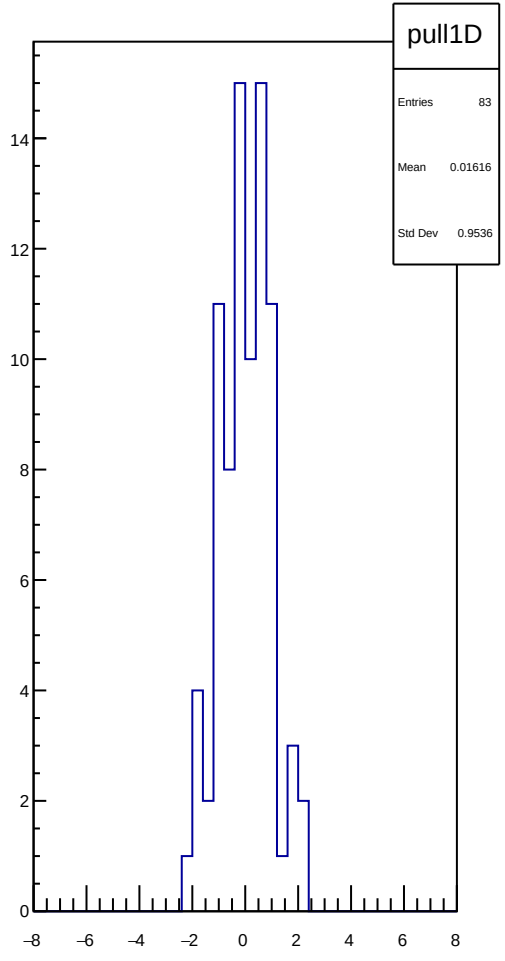

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.793e+04 / 82
p0 204.9 ± 0.1645
260
240
220
200
180
160
140

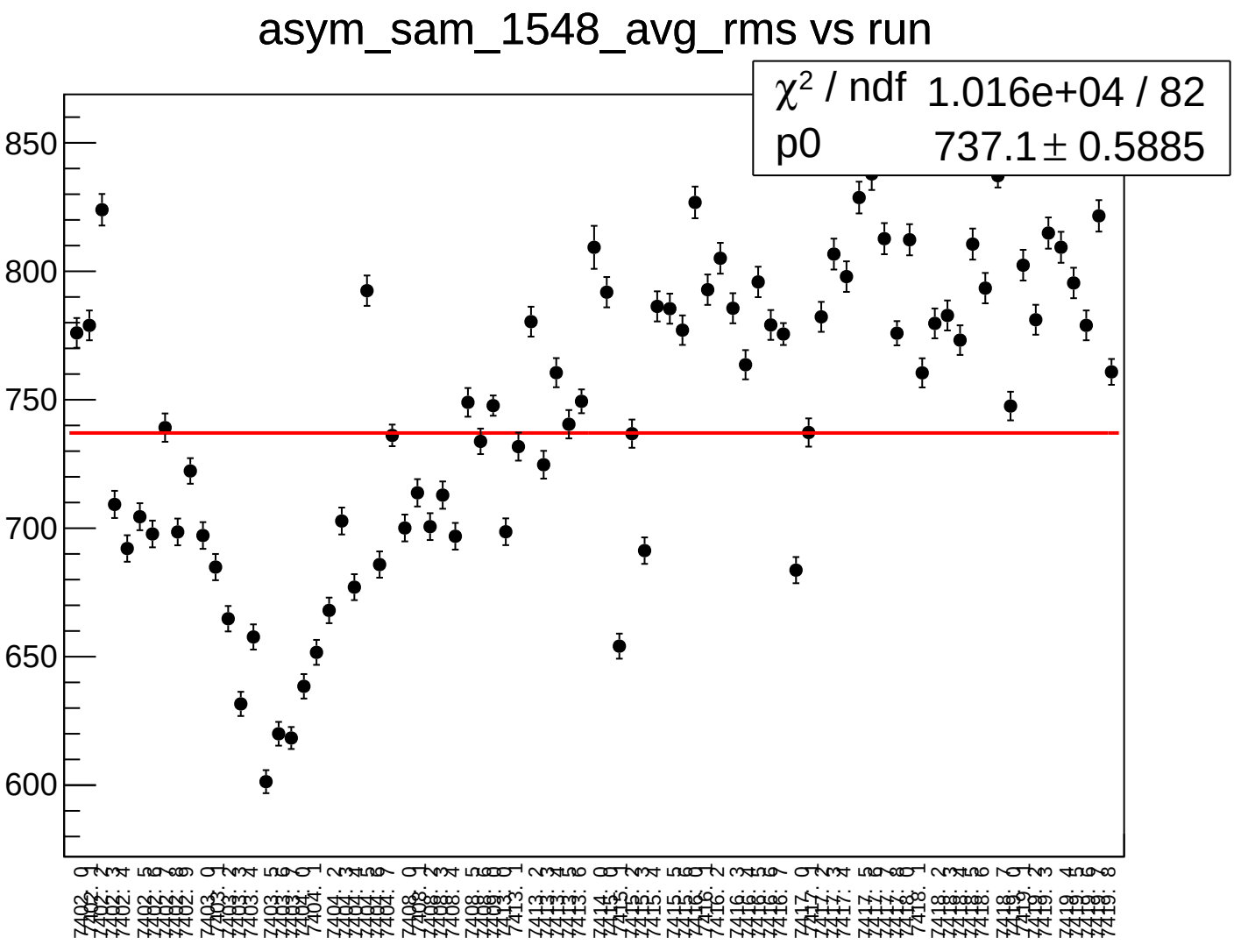

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.1 / 82
p0 −230.5 ± 878.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 137.3
Std Dev 0
2
1
0
−1
−2

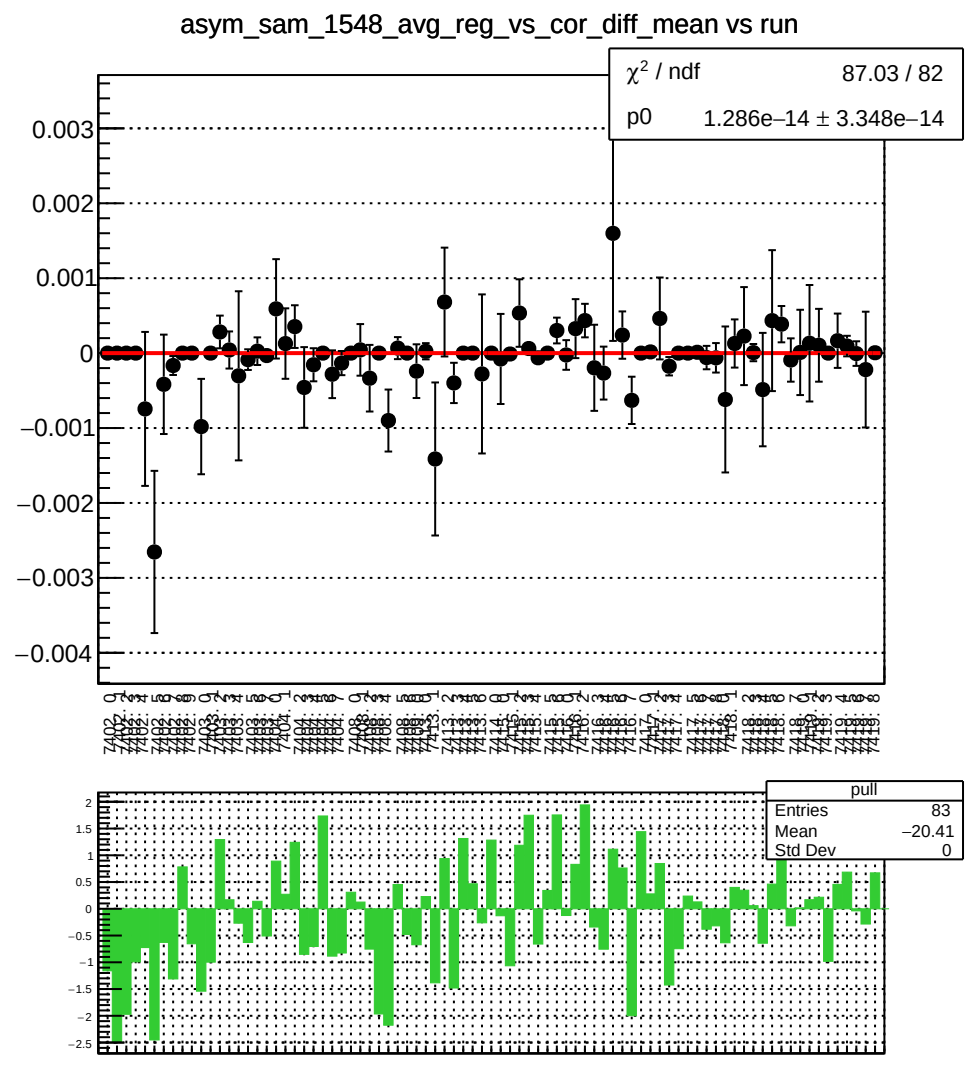

pull1D
Entries 83
Mean −0.009164
Std Dev 0.9255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

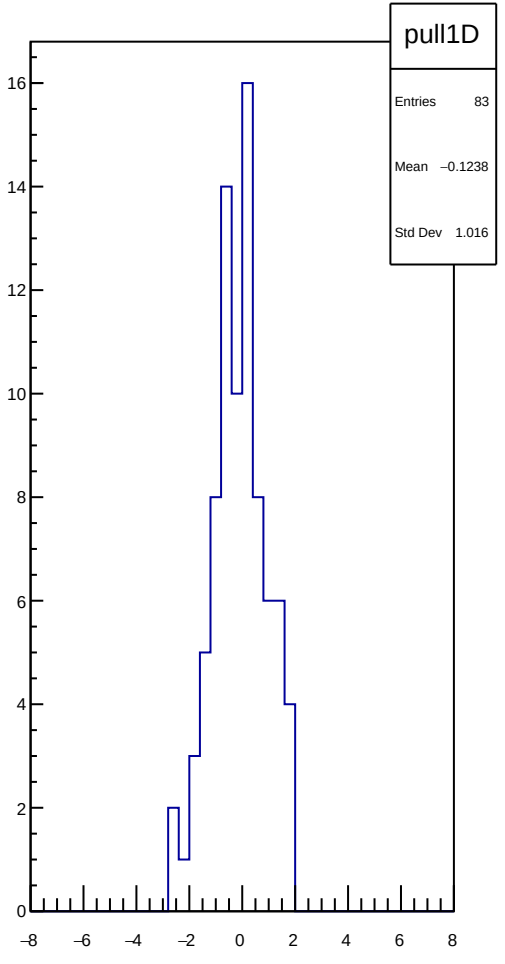

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 3864 / 82
p0 779.5 ± 0.6212
880
860
840
820
800
780
760
740
720
700
680

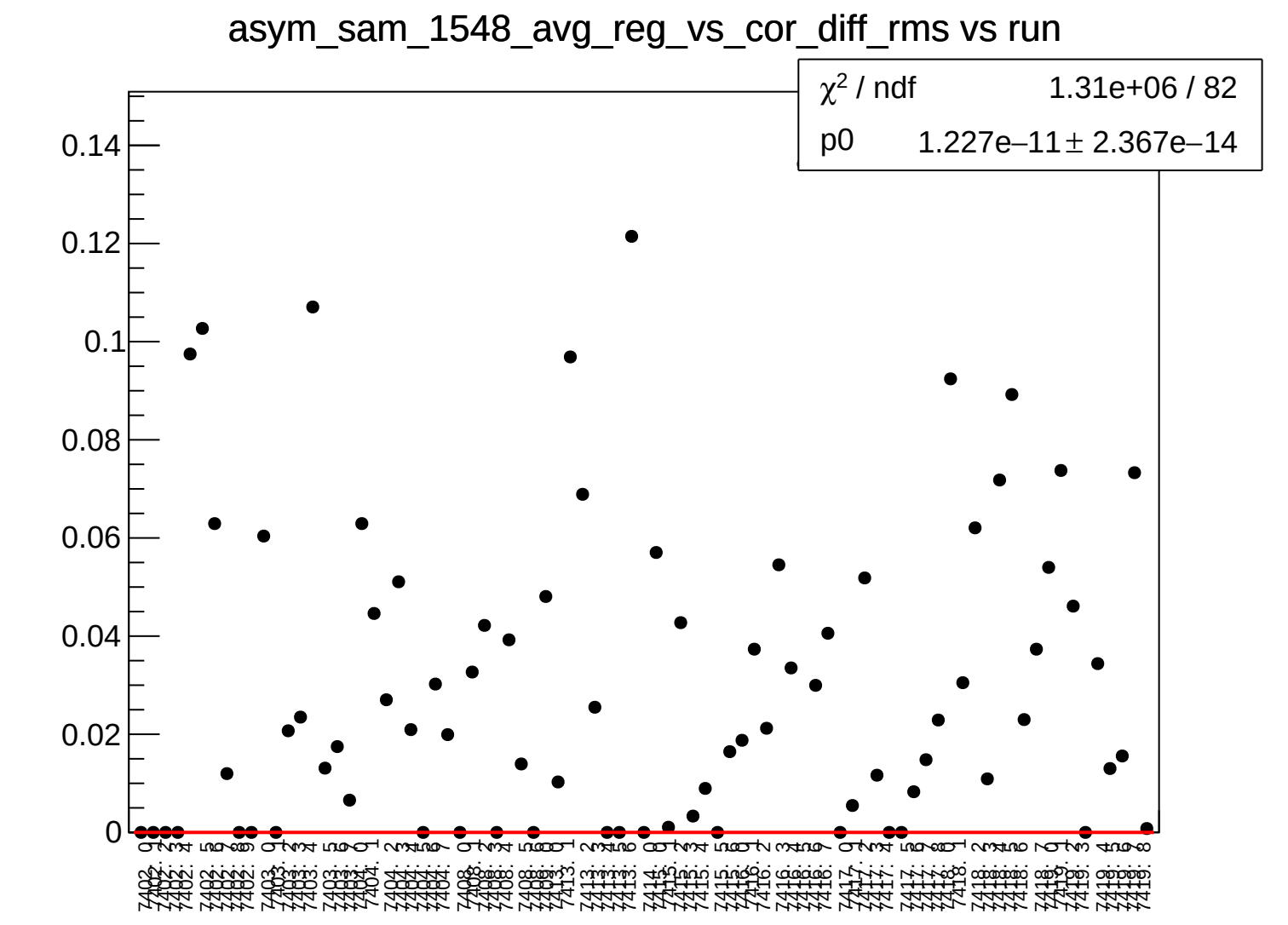

asym_sam_1548_avg_mean vs run
χ² / ndf 75.5 / 82
p0 −133 ± 832.3
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 104.2
Std Dev 0
2
1
0
−1
−2

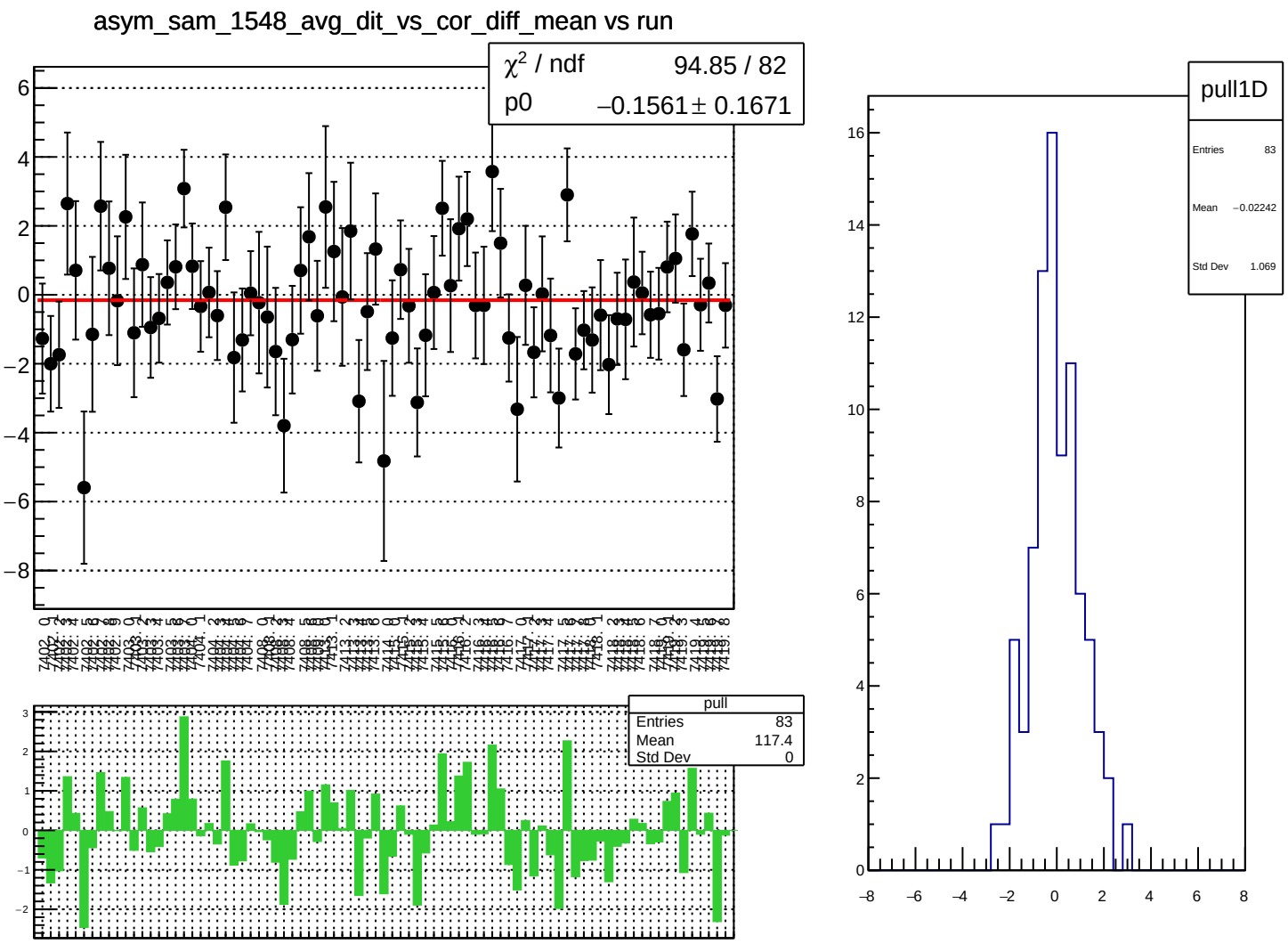

pull1D
Entries 83
Mean 0.01616
Std Dev 0.9536
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

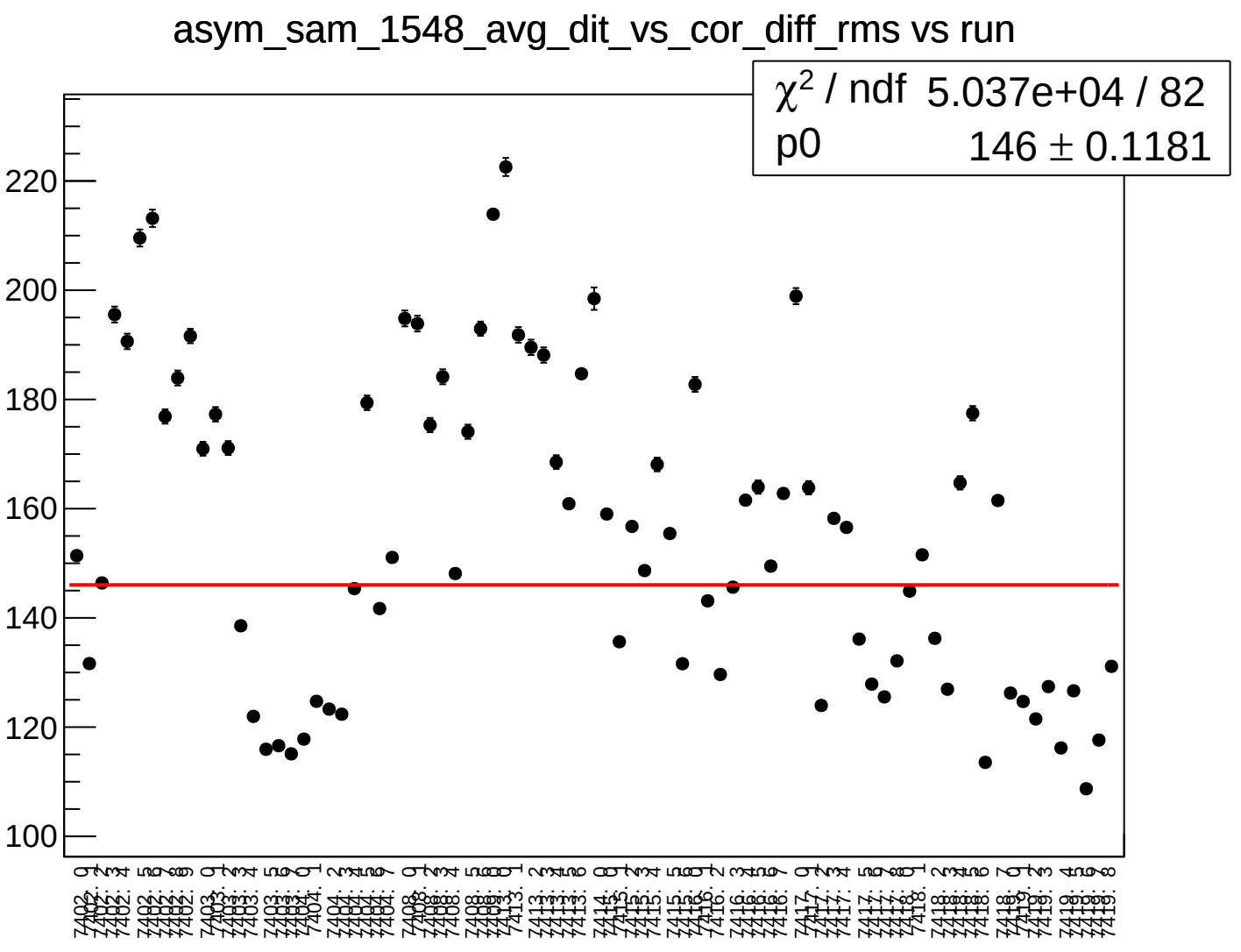

asym_sam_1548_avg_rms vs run
χ² / ndf 1.016e+04 / 82
p0 737.1 ± 0.5885
850
800
750
700
650
600

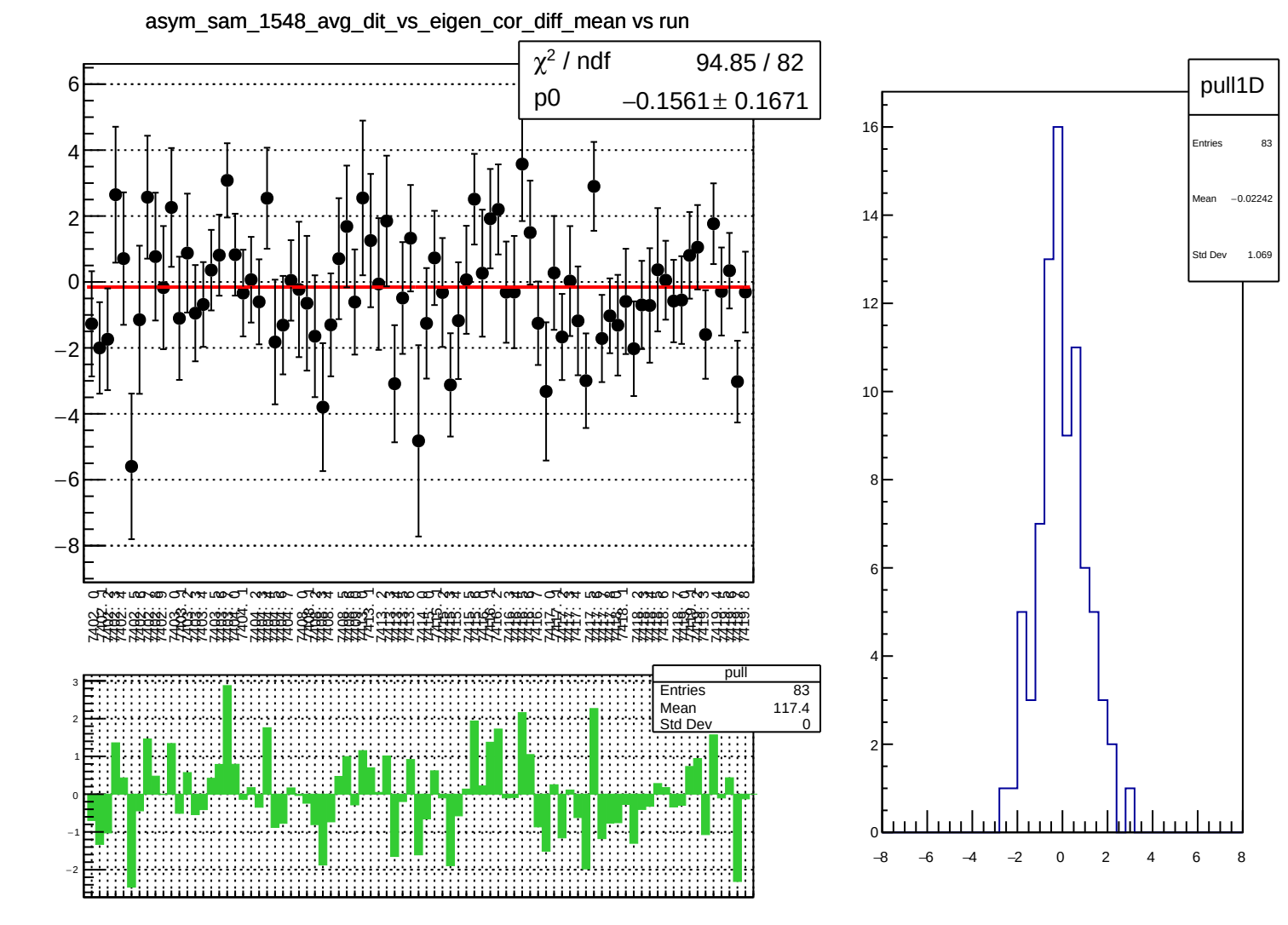

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.03 / 82
p0 1.286e−14 ± 3.348e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 83
Mean −20.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

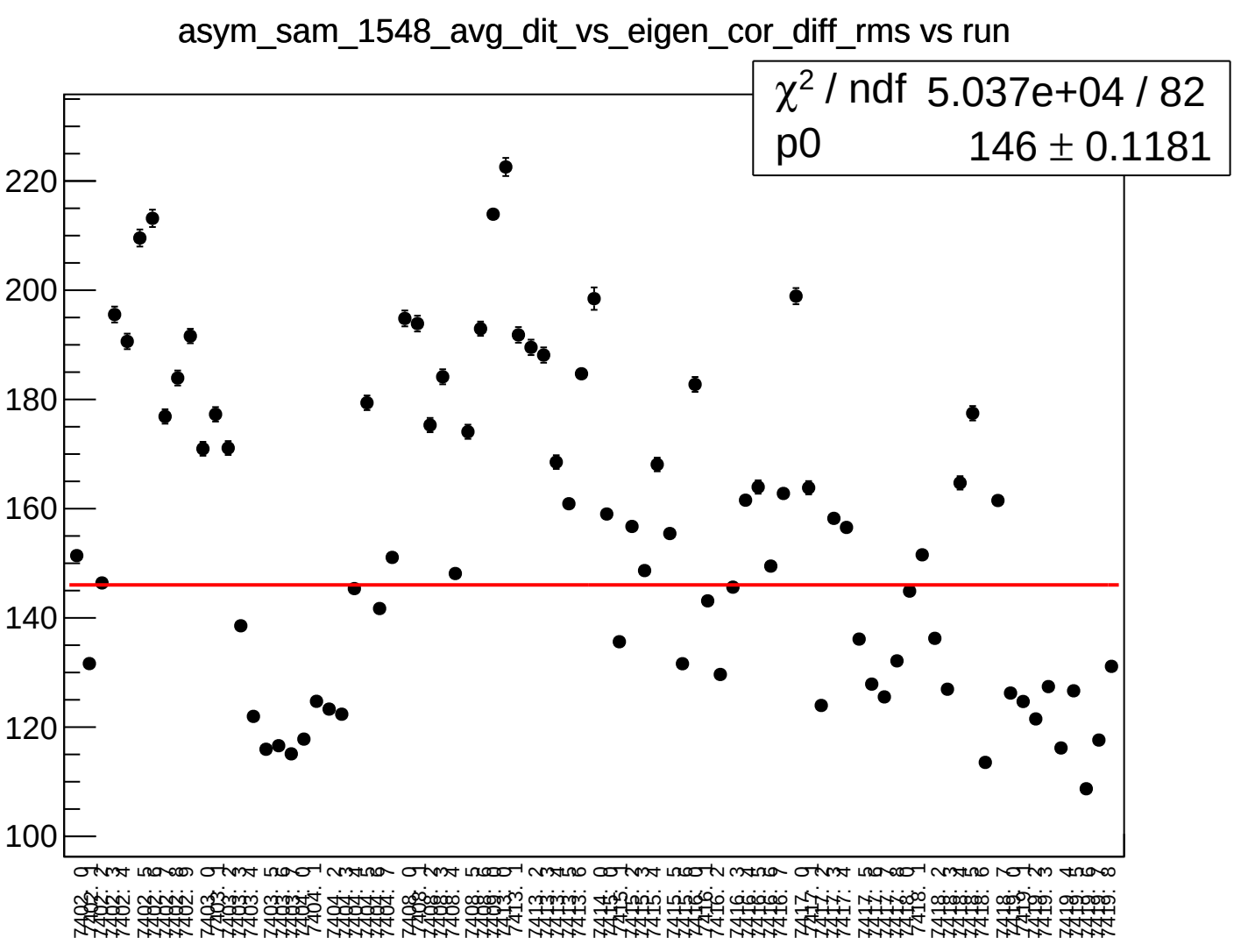

pull1D
Entries 83
Mean −0.1238
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

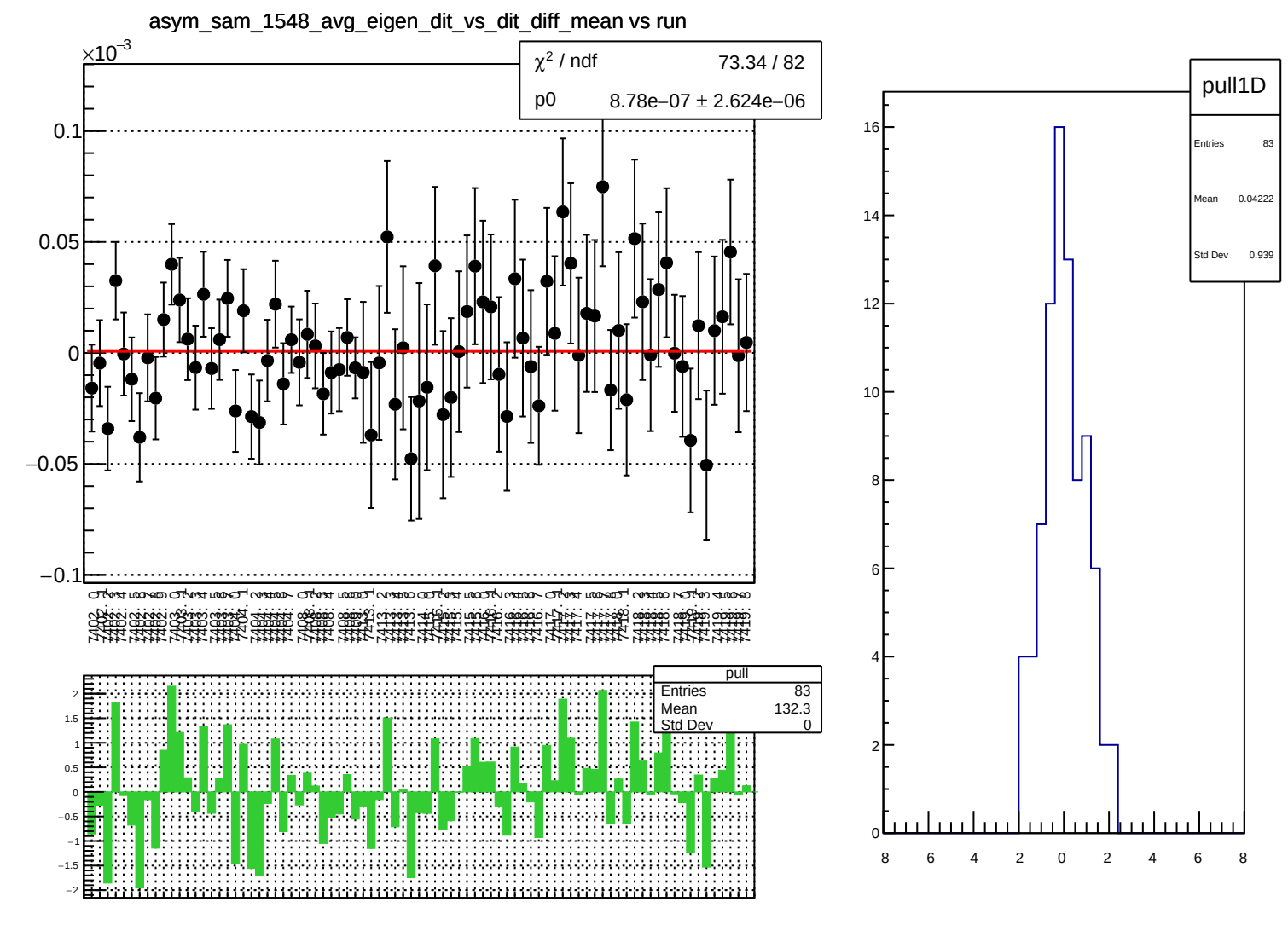

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.31e+06 / 82
p0 1.227e−11 ± 2.367e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

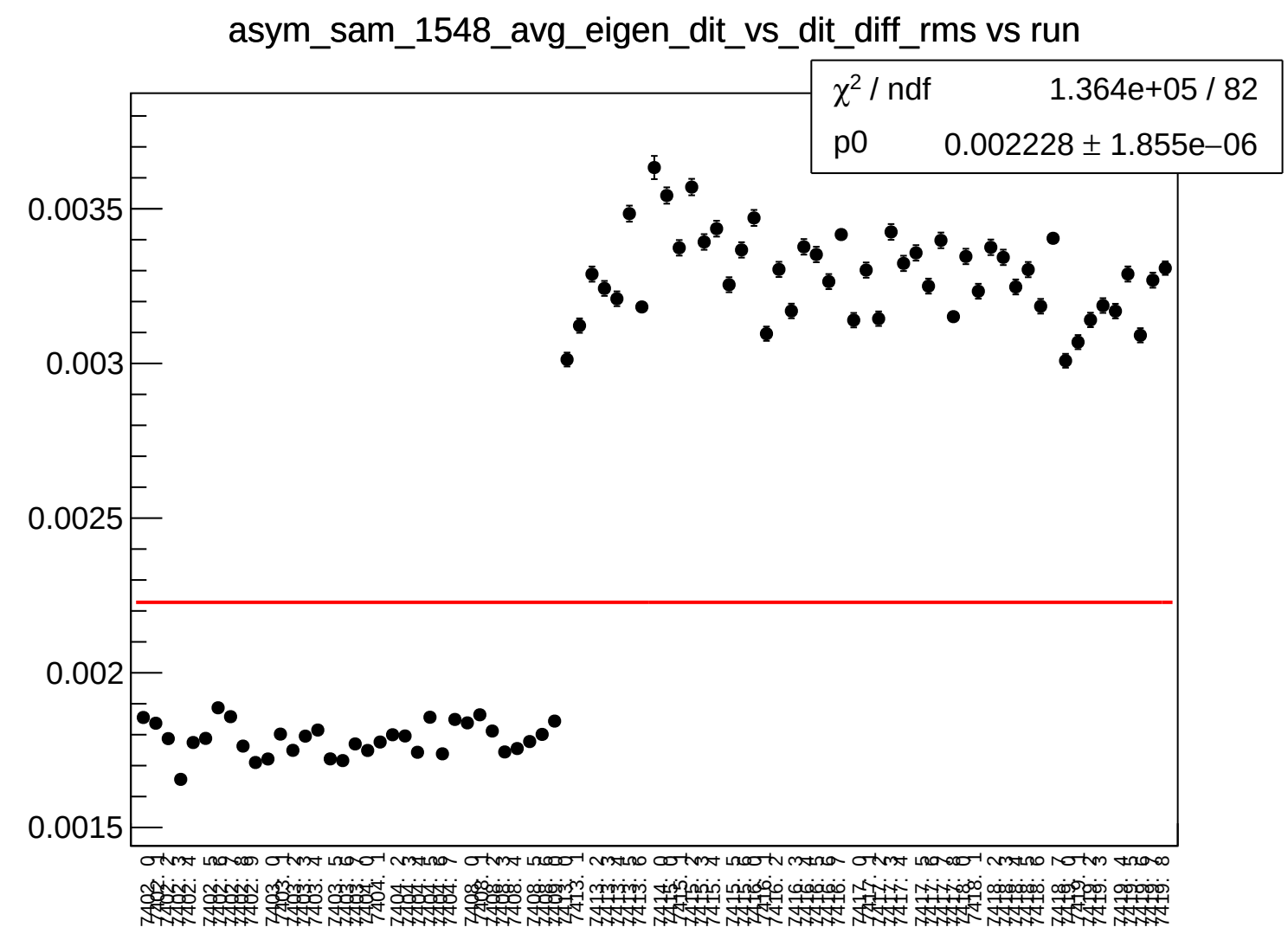

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 94.85 / 82
p0 −0.1561 ± 0.1671
pull
Entries 83
Mean 117.4
Std Dev 0
pull1D
Entries 83
Mean −0.02242
Std Dev 1.069

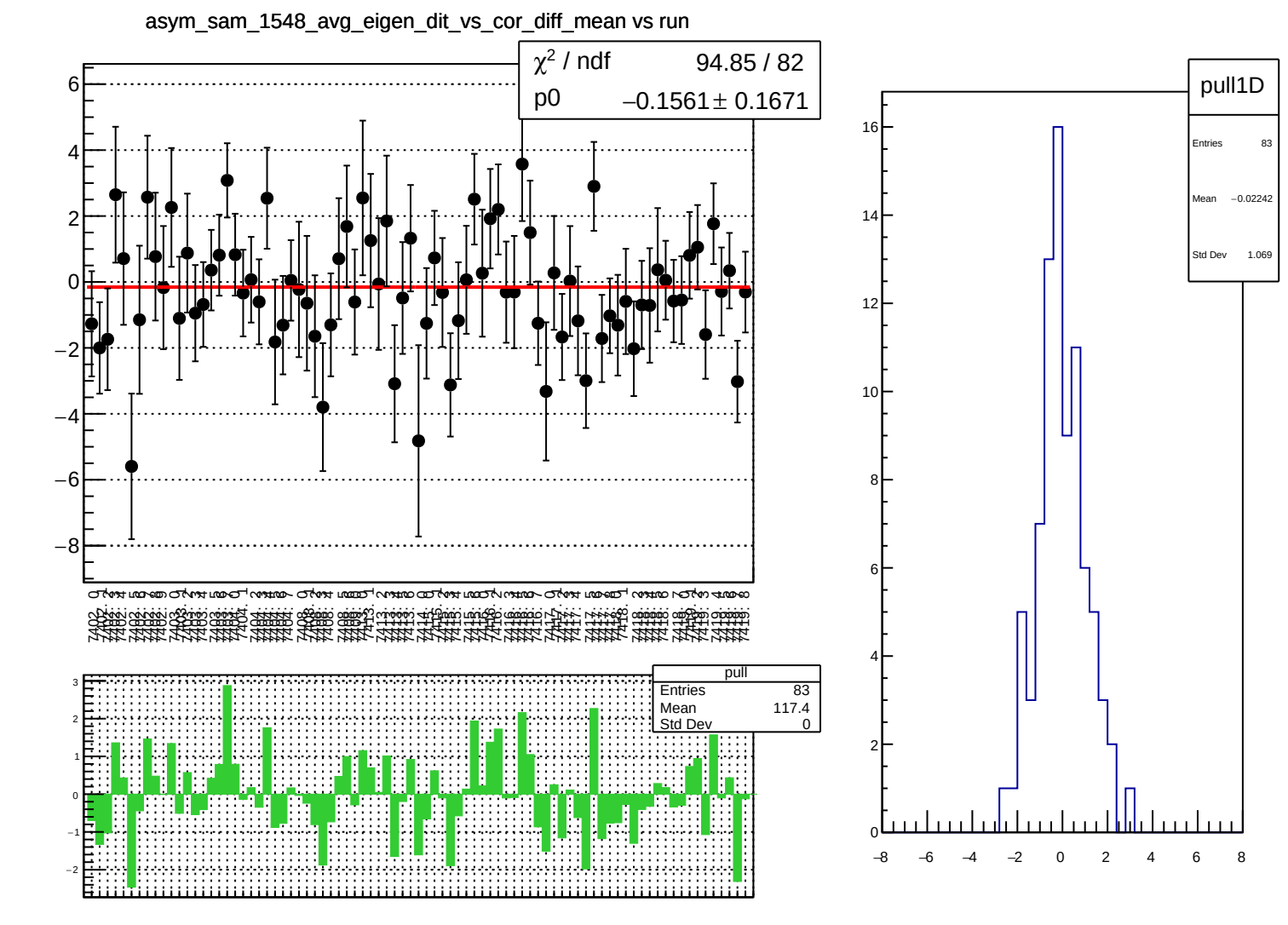

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.037e+04 / 82
p0 146 ± 0.1181
220
200
180
160
140
120
100

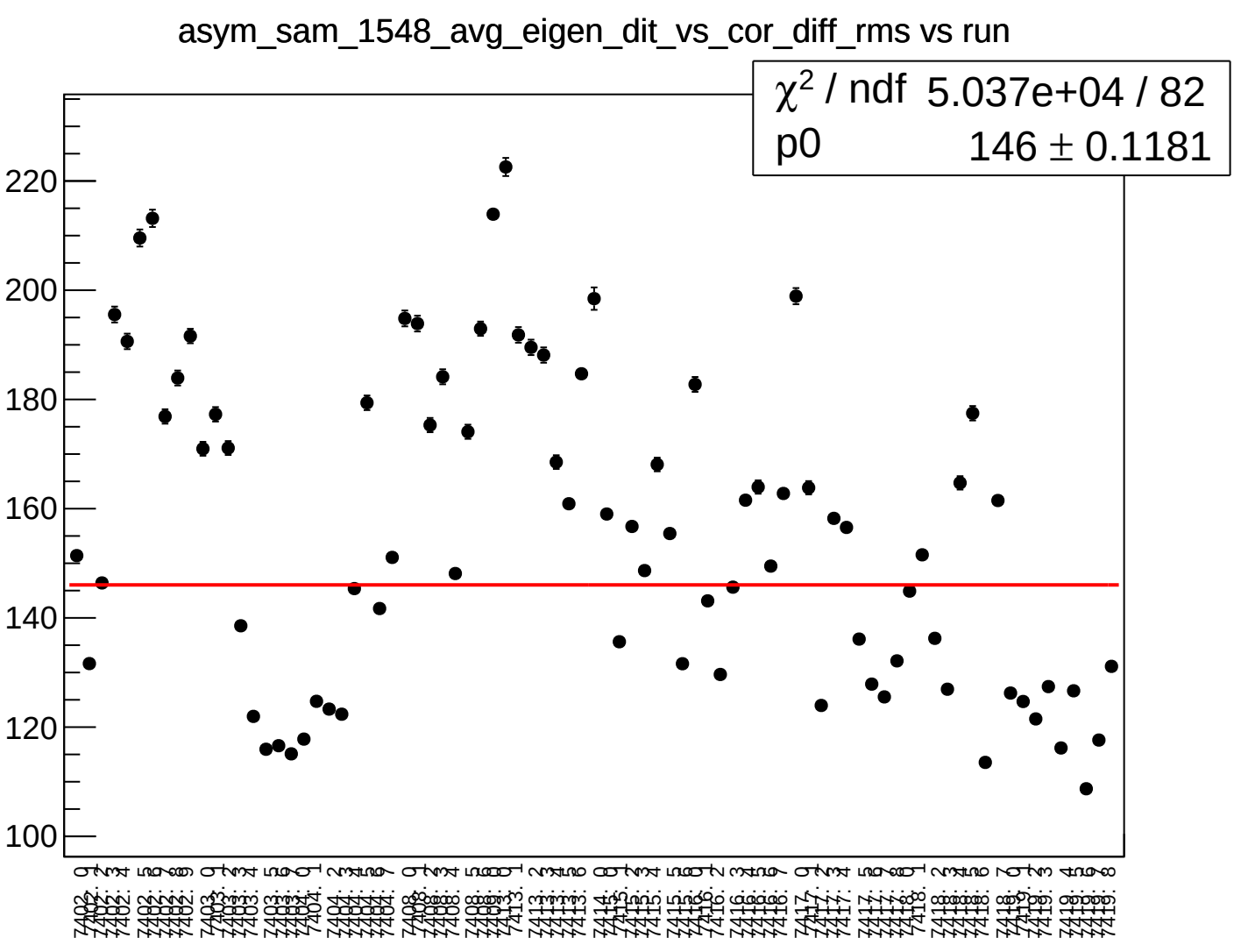

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.85 / 82
p0 −0.1561 ± 0.1671
pull
Entries 83
Mean 117.4
Std Dev 0
pull1D
Entries 83
Mean −0.02242
Std Dev 1.069

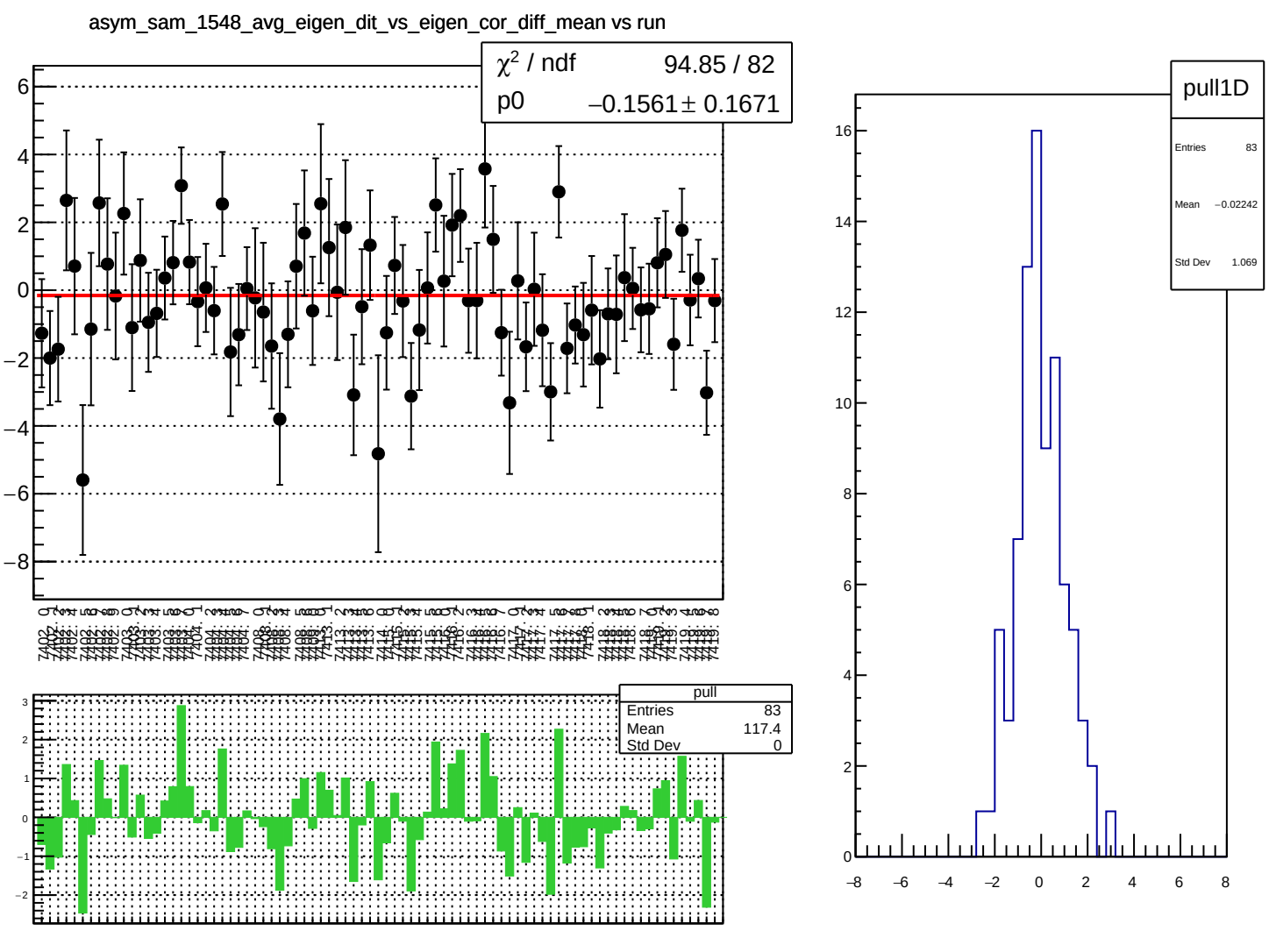

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.037e+04 / 82
p0 146 ± 0.1181
220
200
180
160
140
120
100

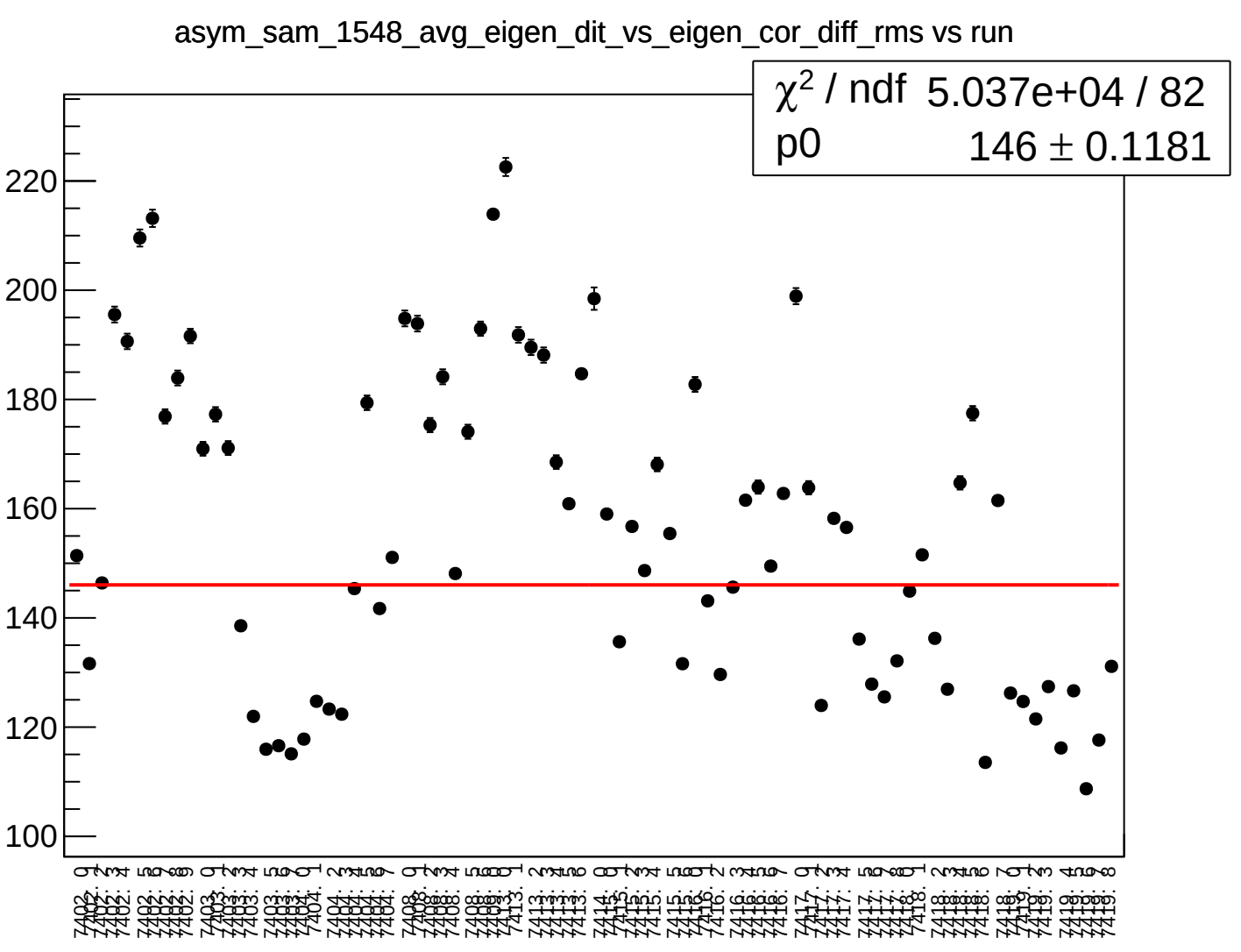

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.34 / 82
p0 8.78e−07 ± 2.624e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 132.3
Std Dev 0
pull1D
Entries 83
Mean 0.04222
Std Dev 0.939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

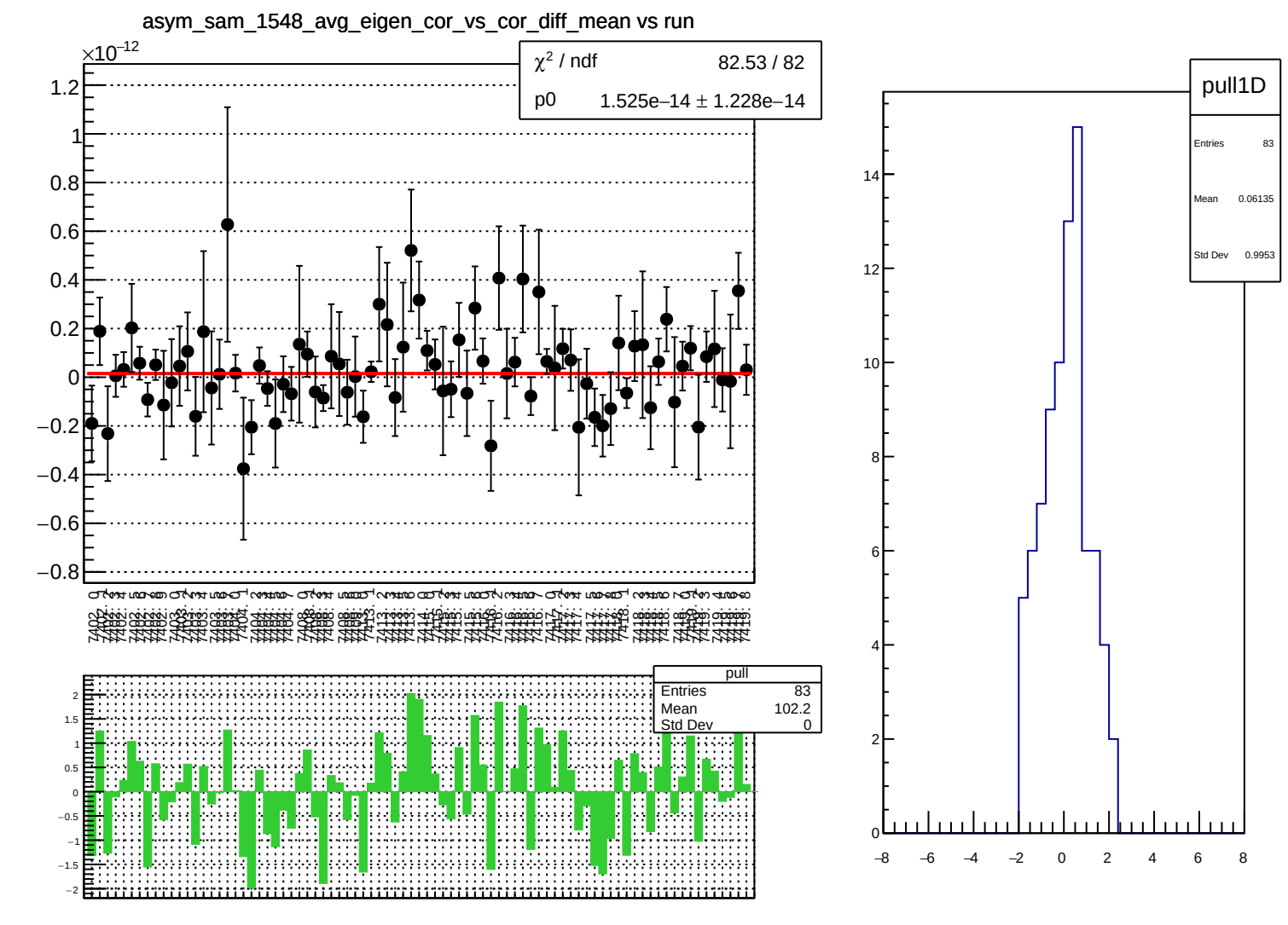

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.364e+05 / 82
p0 0.002228 ± 1.855e−06
0.0035
0.003
0.0025
0.002
0.0015

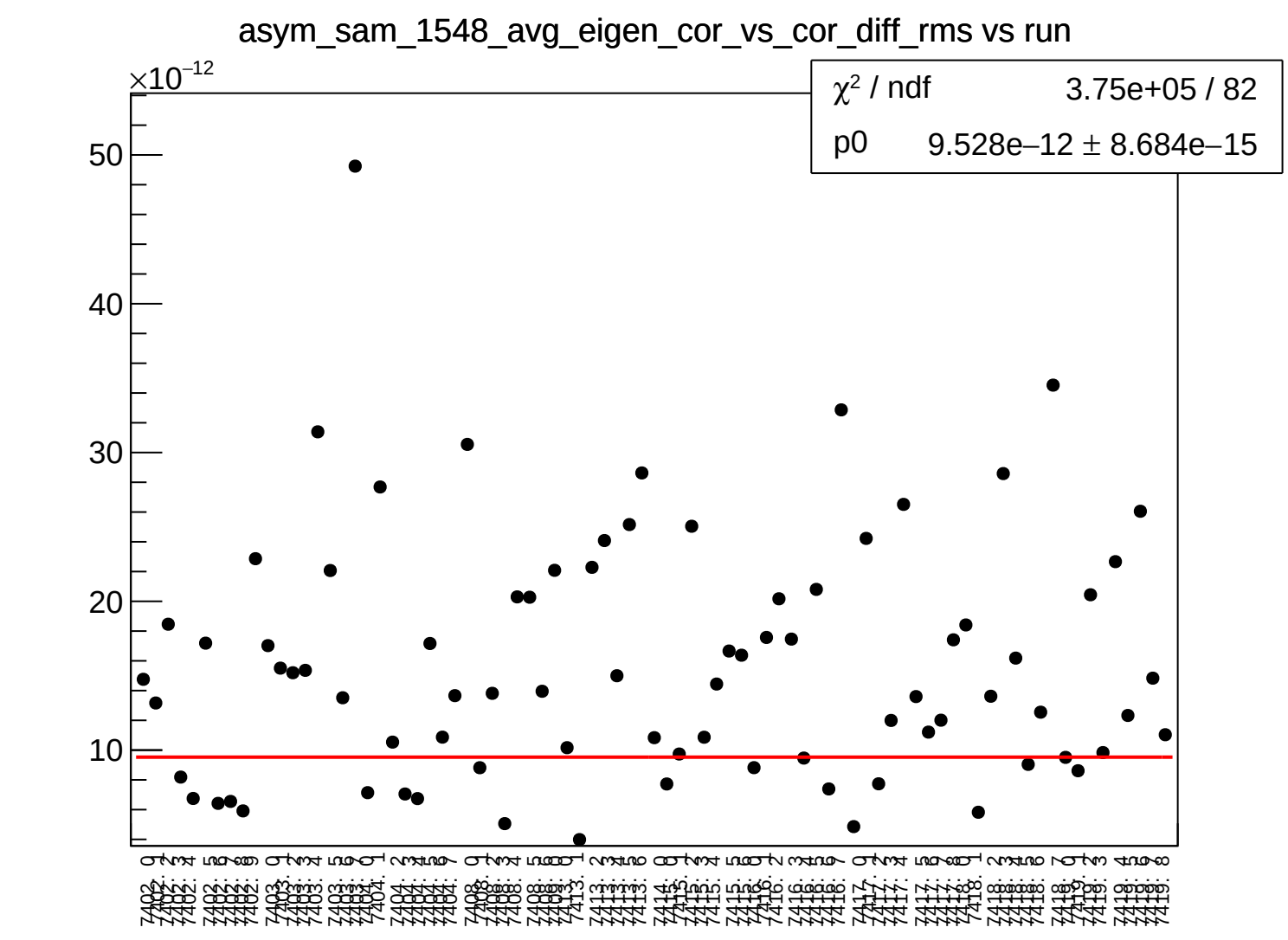

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 94.85 / 82
p0 −0.1561 ± 0.1671
pull
Entries 83
Mean 117.4
Std Dev 0
pull1D
Entries 83
Mean −0.02242
Std Dev 1.069

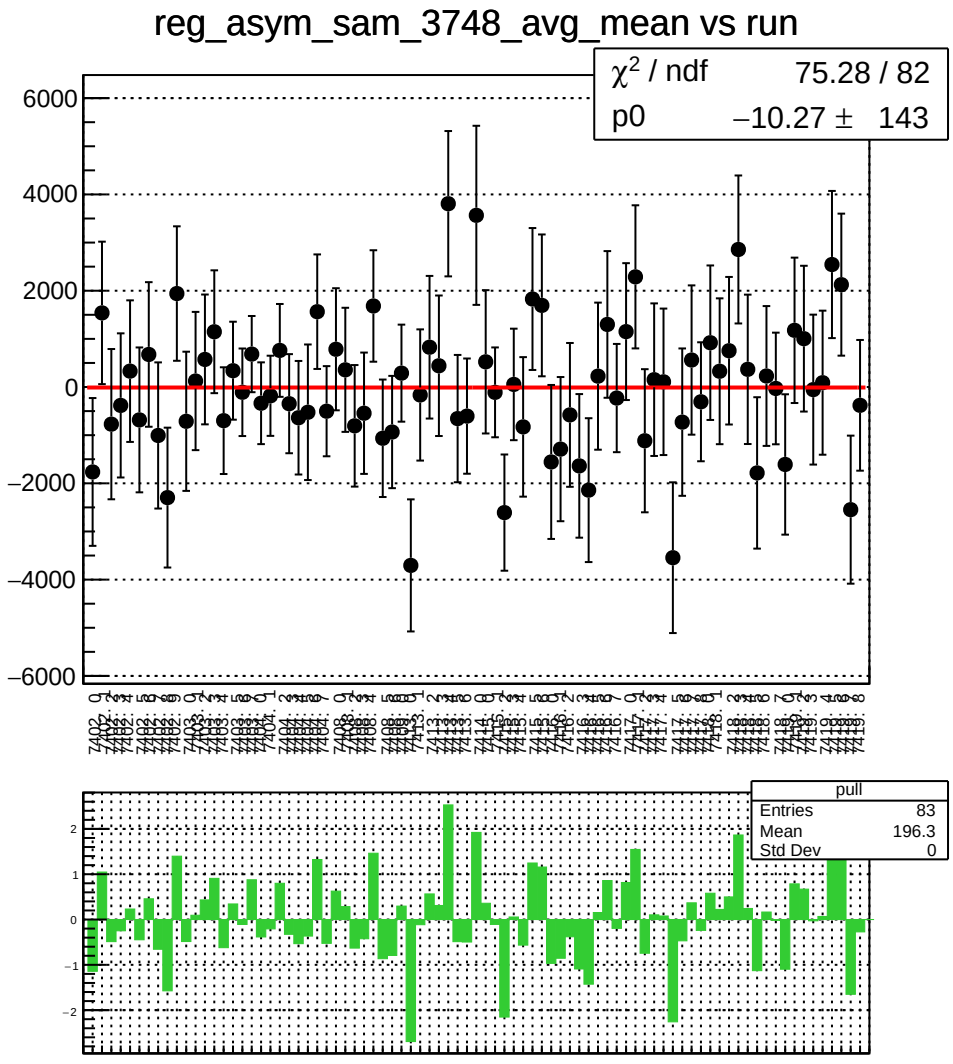

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.037e+04 / 82
p0 146 ± 0.1181
220
200
180
160
140
120
100

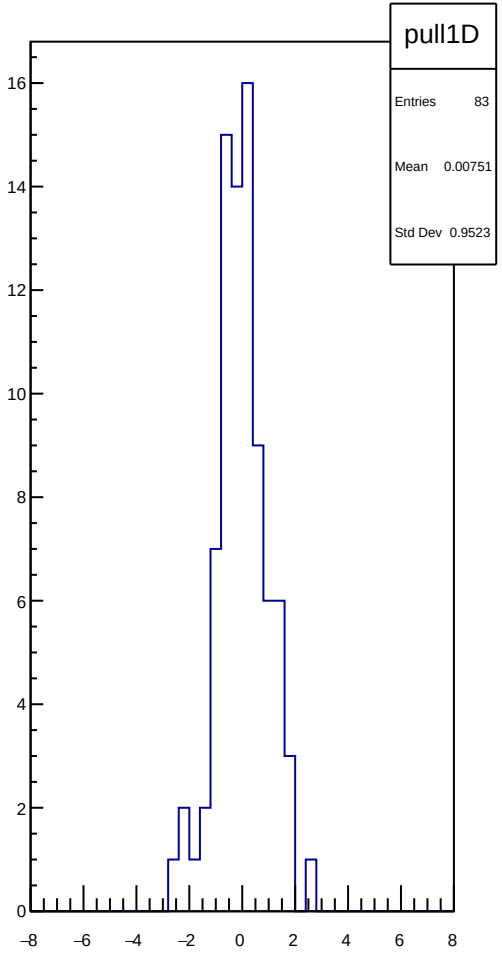

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 94.85 / 82
p0 −0.1561 ± 0.1671
pull
Entries 83
Mean 117.4
Std Dev 0
pull1D
Entries 83
Mean −0.02242
Std Dev 1.069

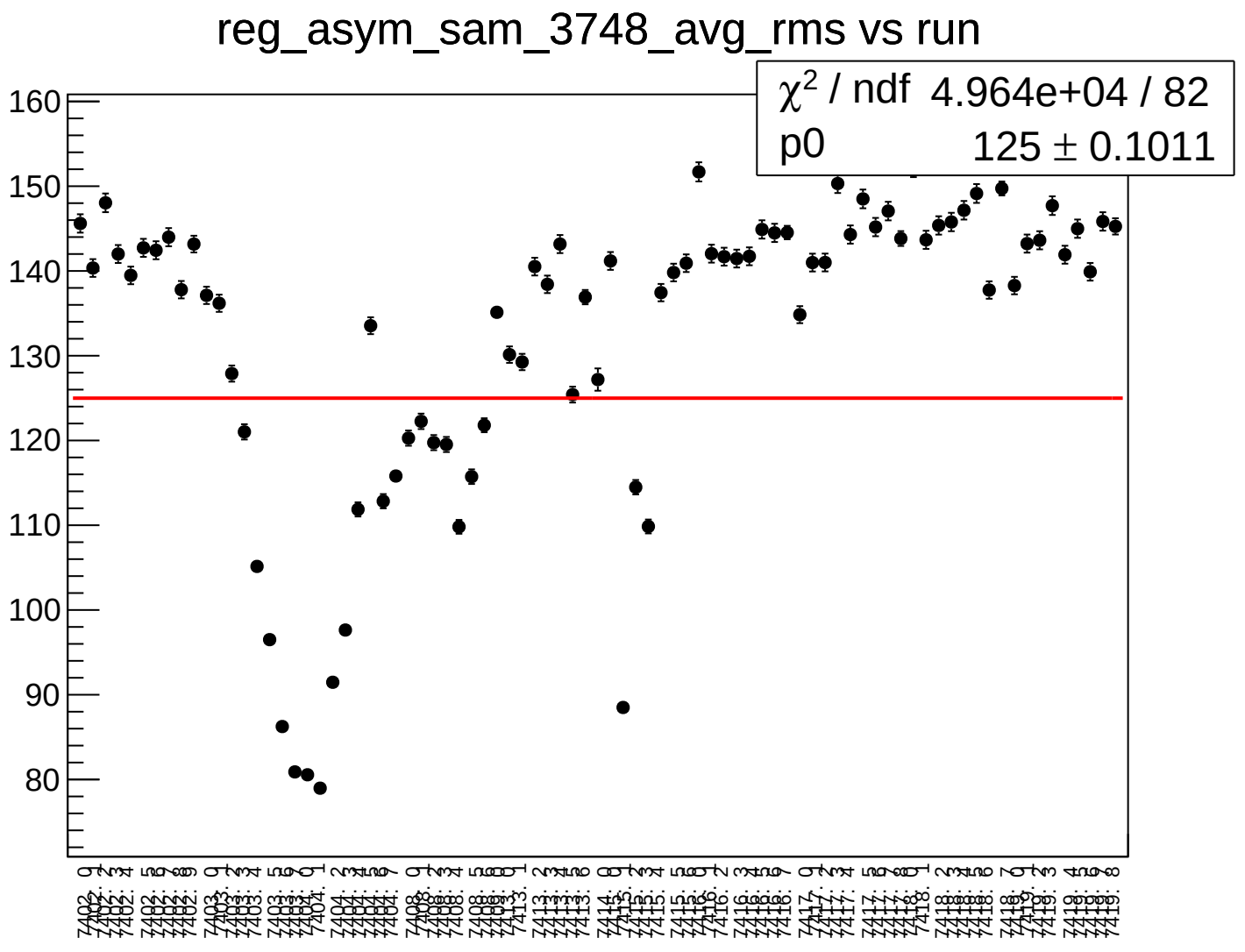

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.037e+04 / 82
p0 146 ± 0.1181
220
200
180
160
140
120
100

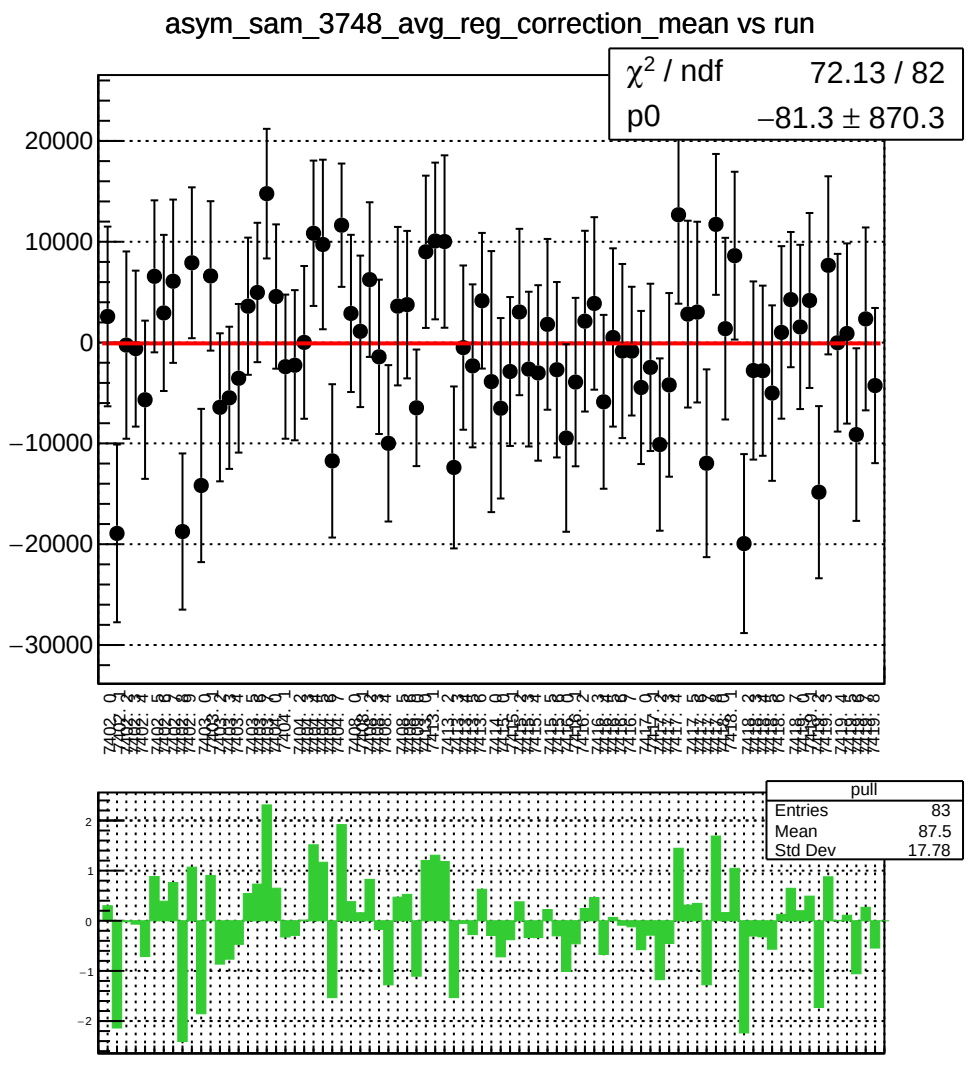

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.53 / 82
p0 1.525e−14 ± 1.228e−14
pull
Entries 83
Mean 102.2
Std Dev 0
pull1D
Entries 83
Mean 0.06135
Std Dev 0.9953

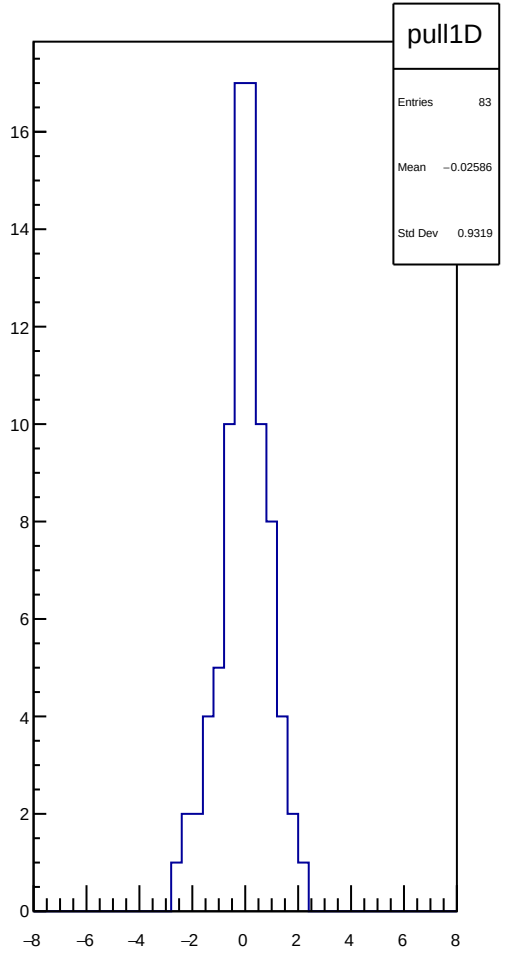

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.75e+05 / 82
p0 9.528e−12 ± 8.684e−15
50
40
30
20
10

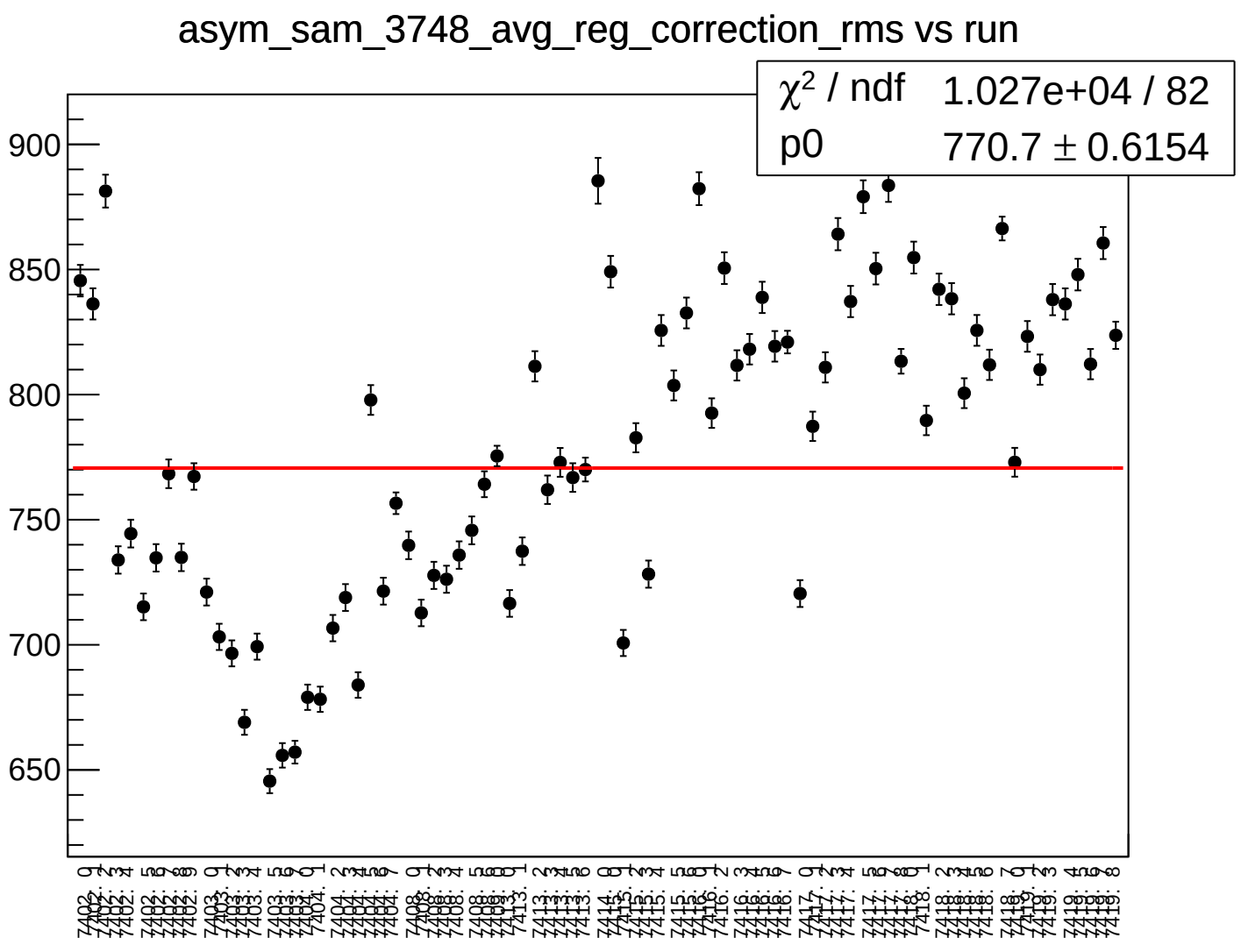

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 75.28 / 82
p0 −10.27 ± 143
pull
Entries 83
Mean 196.3
Std Dev 0

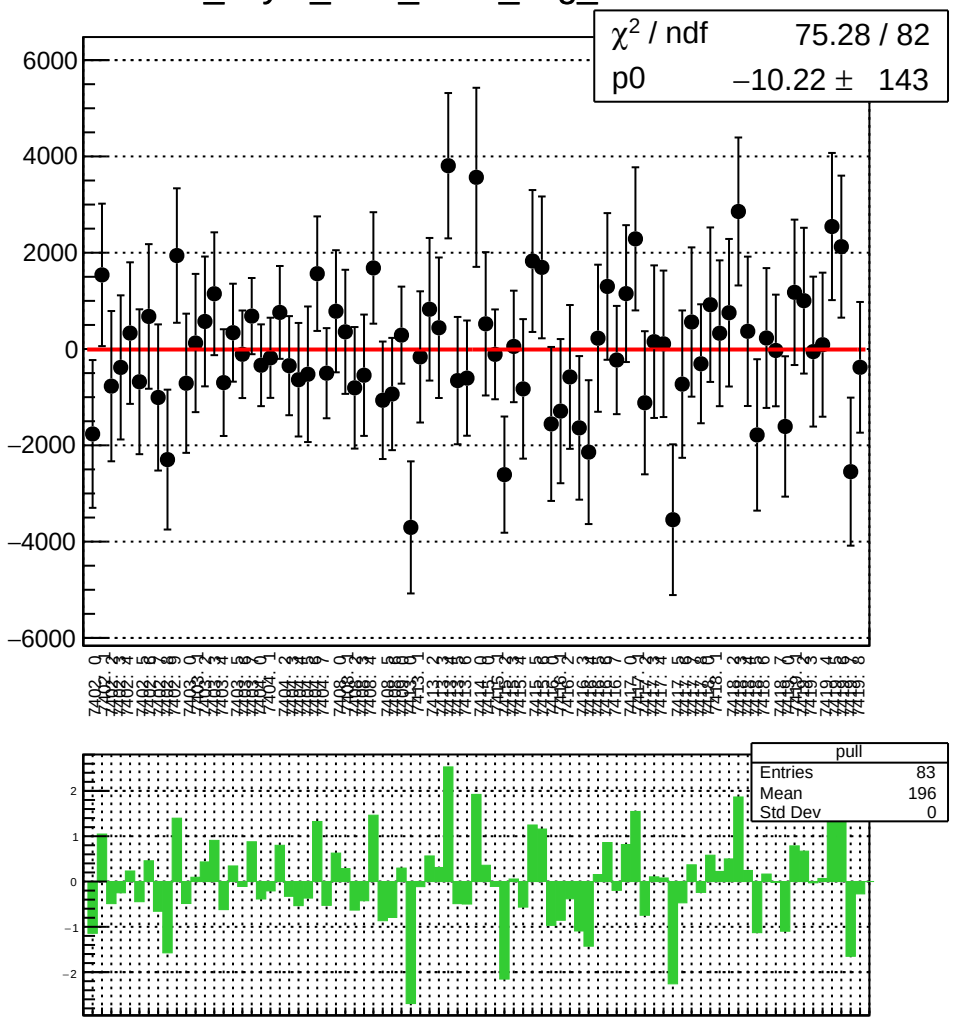

pull1D
Entries 83
Mean 0.00751
Std Dev 0.9523

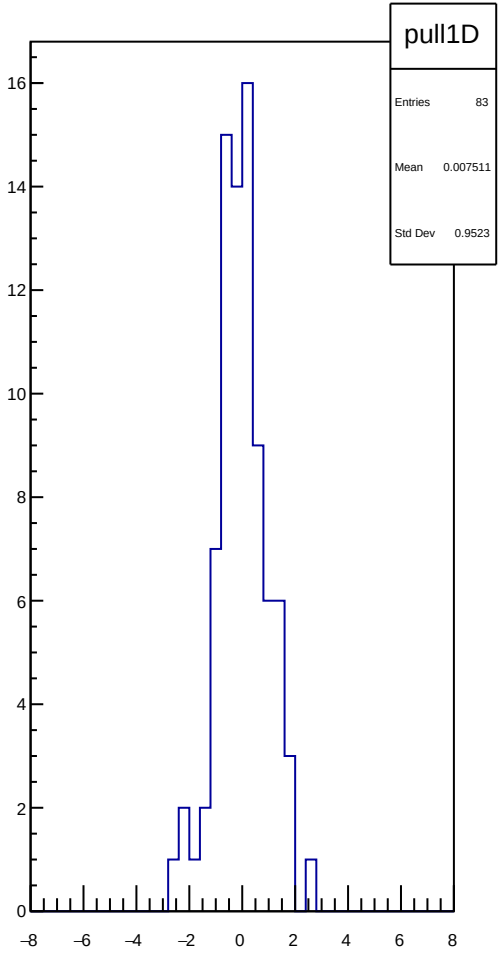

reg_asym_sam_3748_avg_rms vs run
χ² / ndf 4.964e+04 / 82
p0 125 ± 0.1011
160
150
140
130
120
110
100
90
80

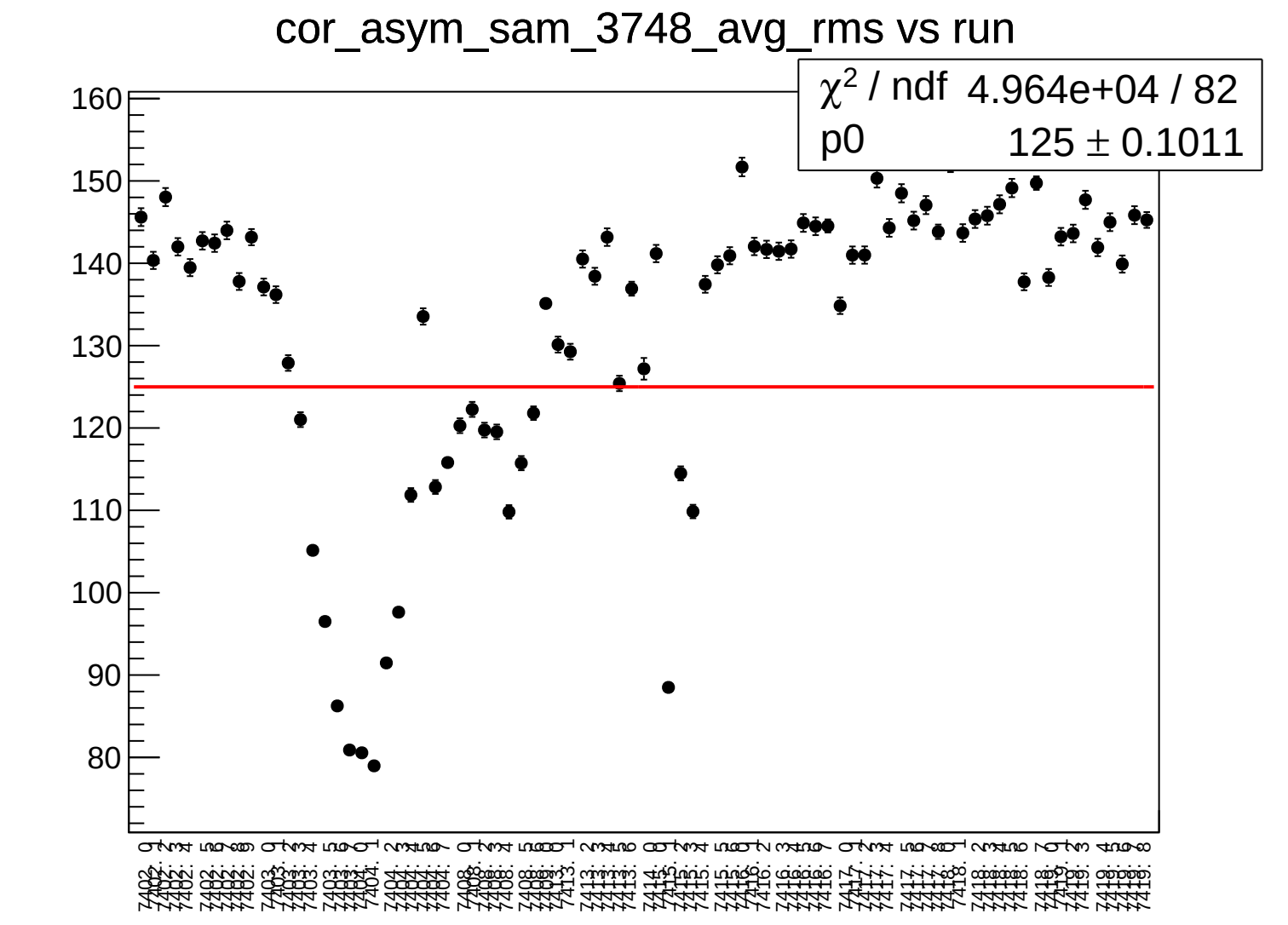

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 72.13 / 82
p0 −81.3 ± 870.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 87.5
Std Dev 17.78
2
1
0
−1
−2

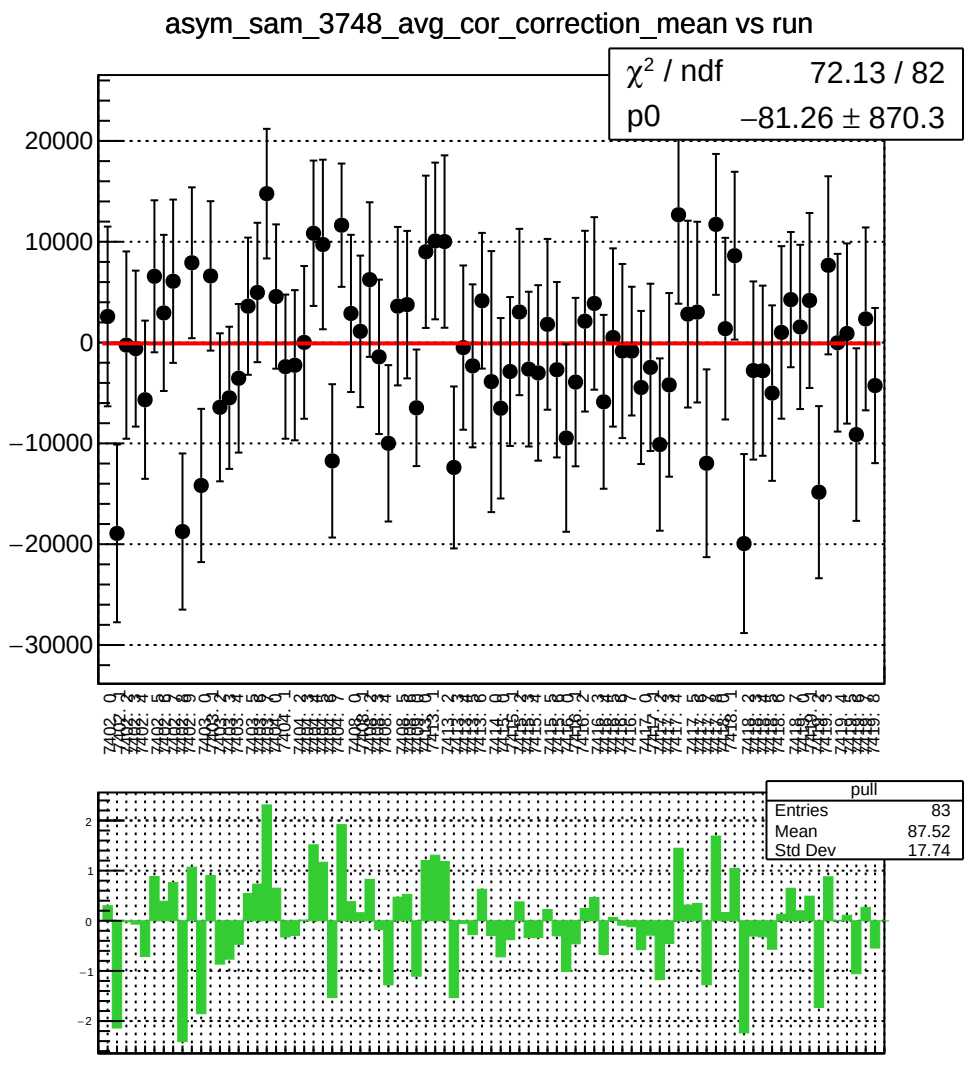

pull1D
Entries 83
Mean −0.02586
Std Dev 0.9319
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

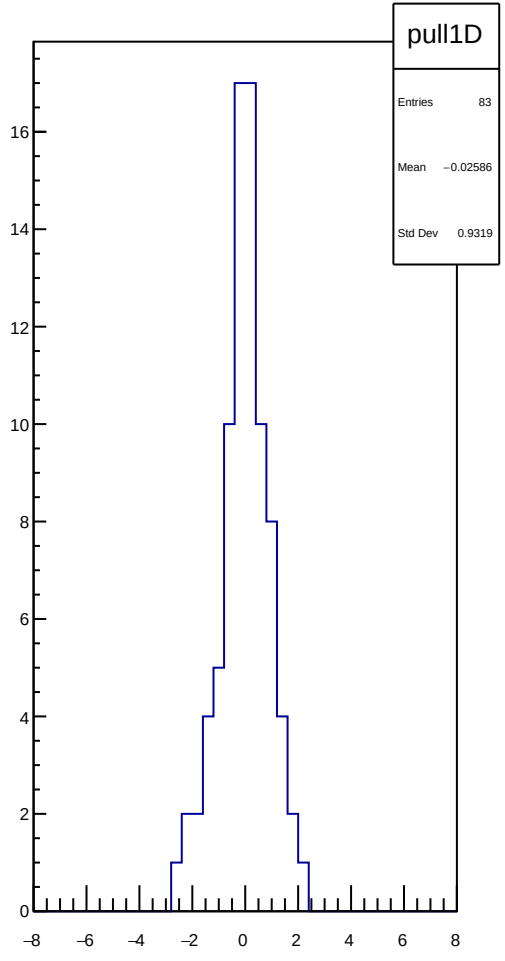

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1.027e+04 / 82
p0 770.7 ± 0.6154
900
850
800
750
700
650

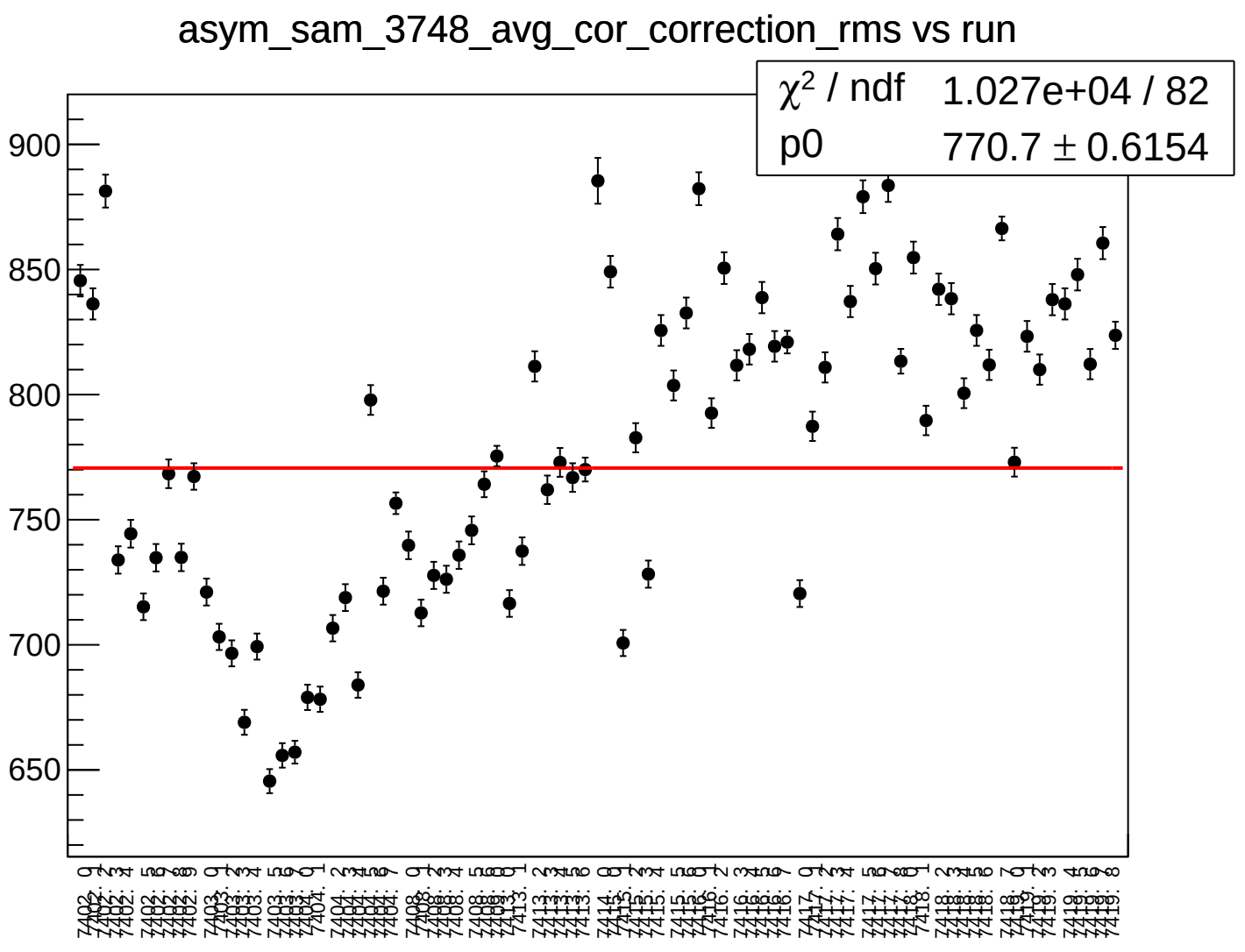

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 75.28 / 82
p0 −10.22 ± 143
pull
Entries 83
Mean 196
Std Dev 0

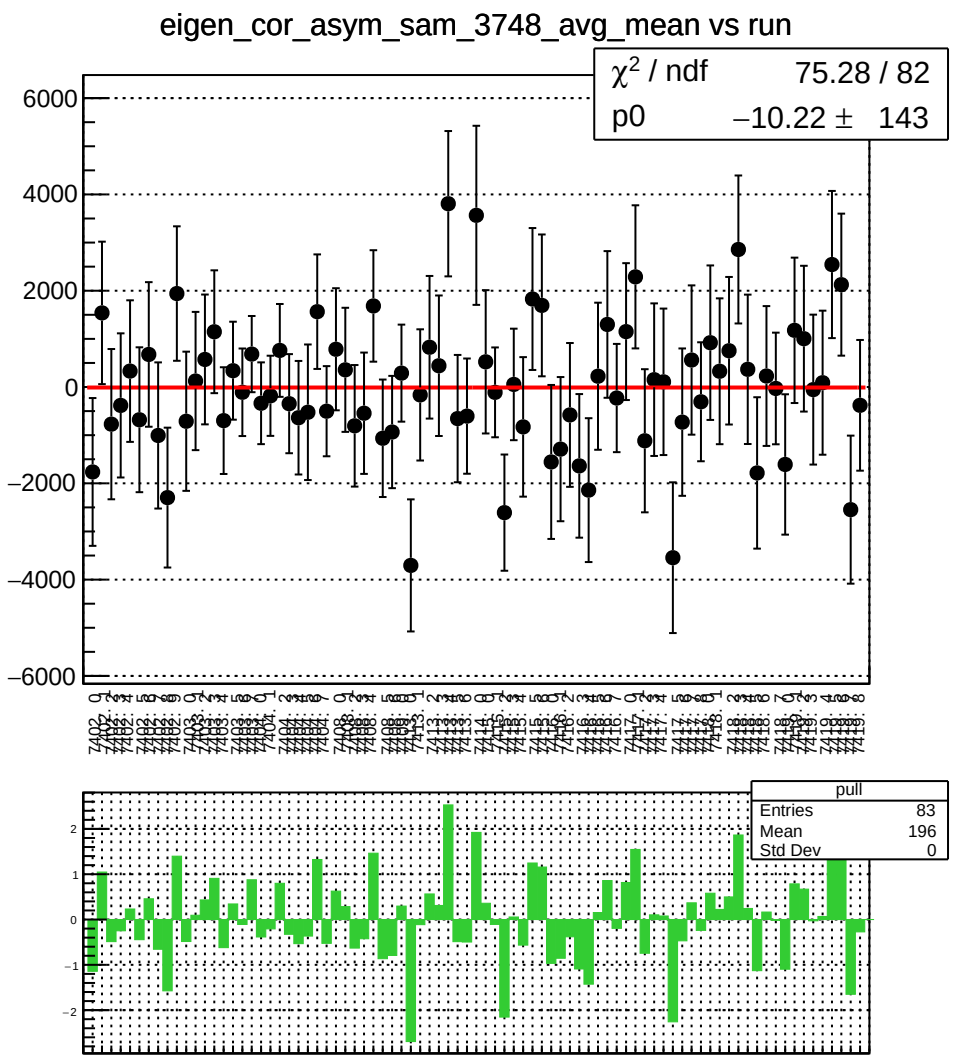

pull1D
Entries 83
Mean 0.007511
Std Dev 0.9523

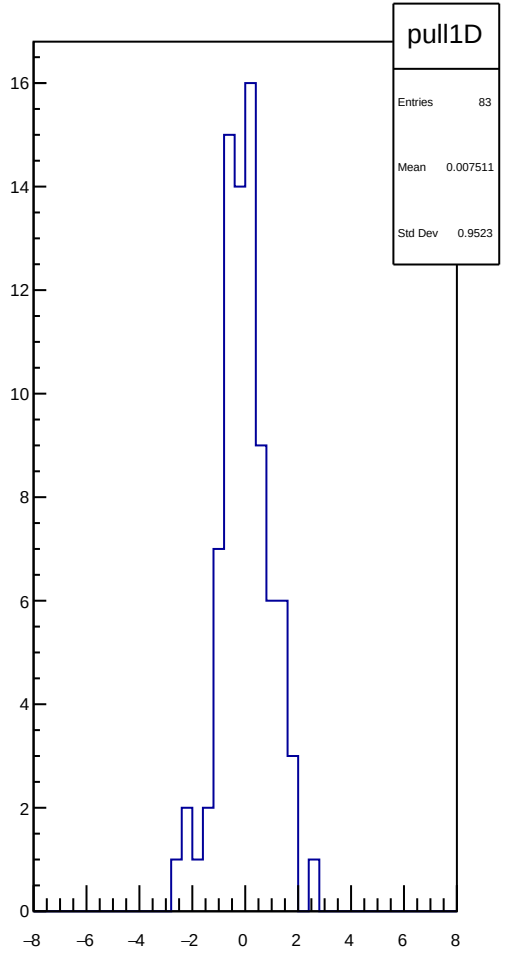

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 4.964e+04 / 82
p0 125 ± 0.1011
160
150
140
130
120
110
100
90
80

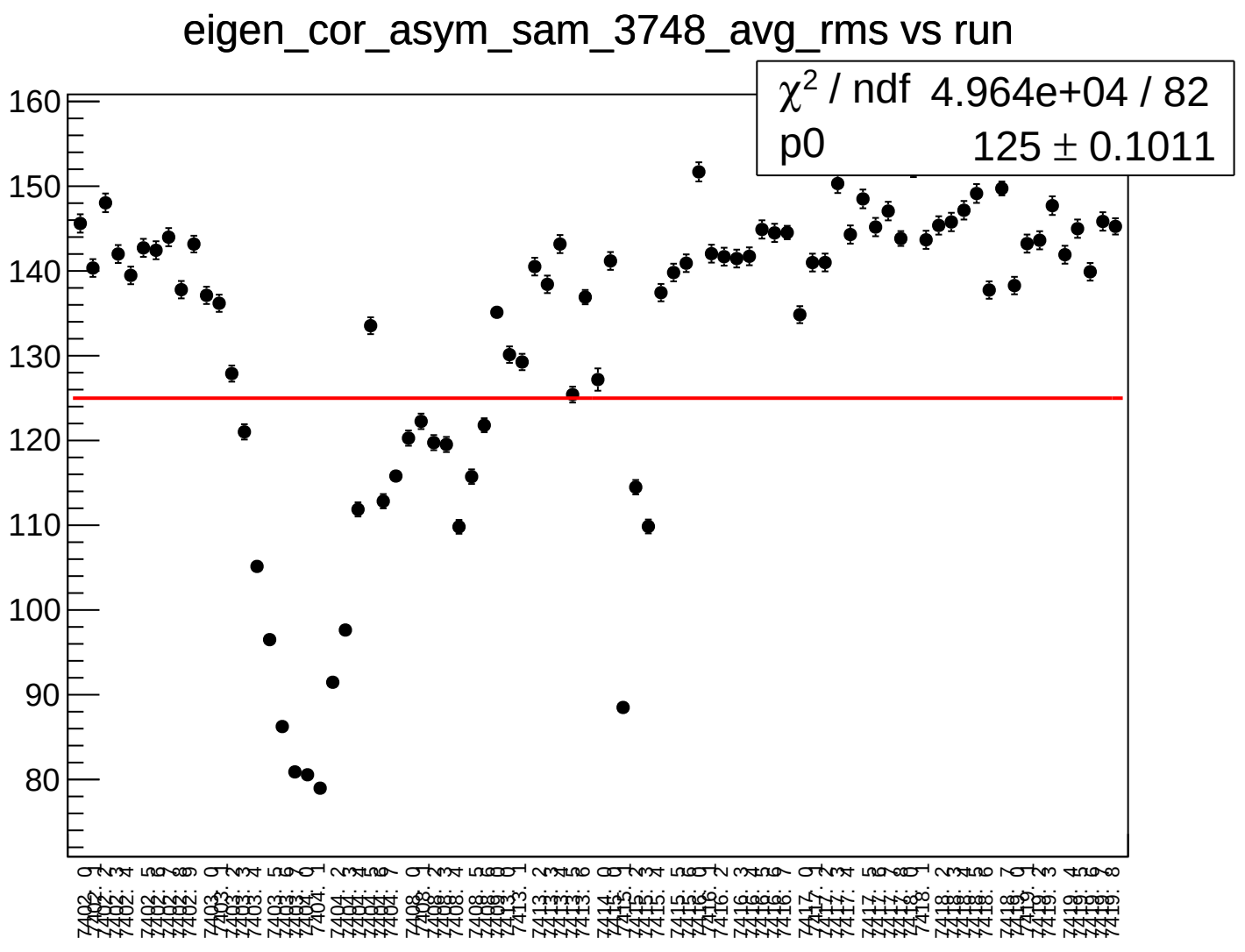

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 72.13 / 82
p0 −81.26 ± 870.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 87.52
Std Dev 17.74
2
1
0
−1
−2

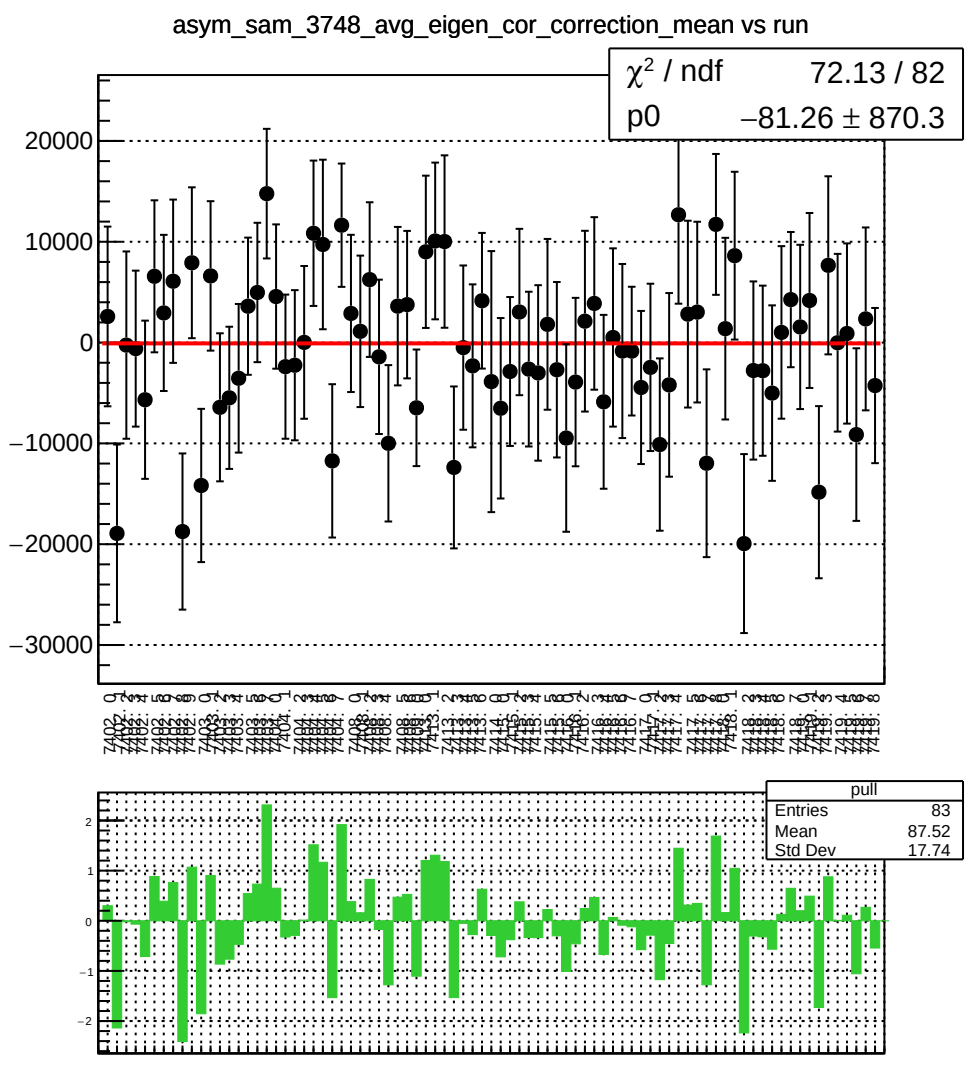

pull1D
Entries 83
Mean −0.02586
Std Dev 0.9319
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

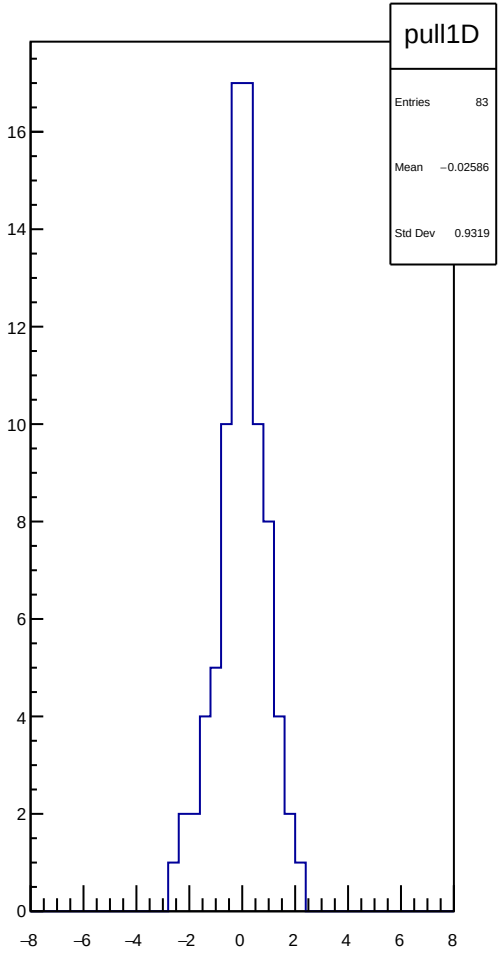

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1.027e+04 / 82
p0 770.7 ± 0.6154
900
850
800
750
700
650

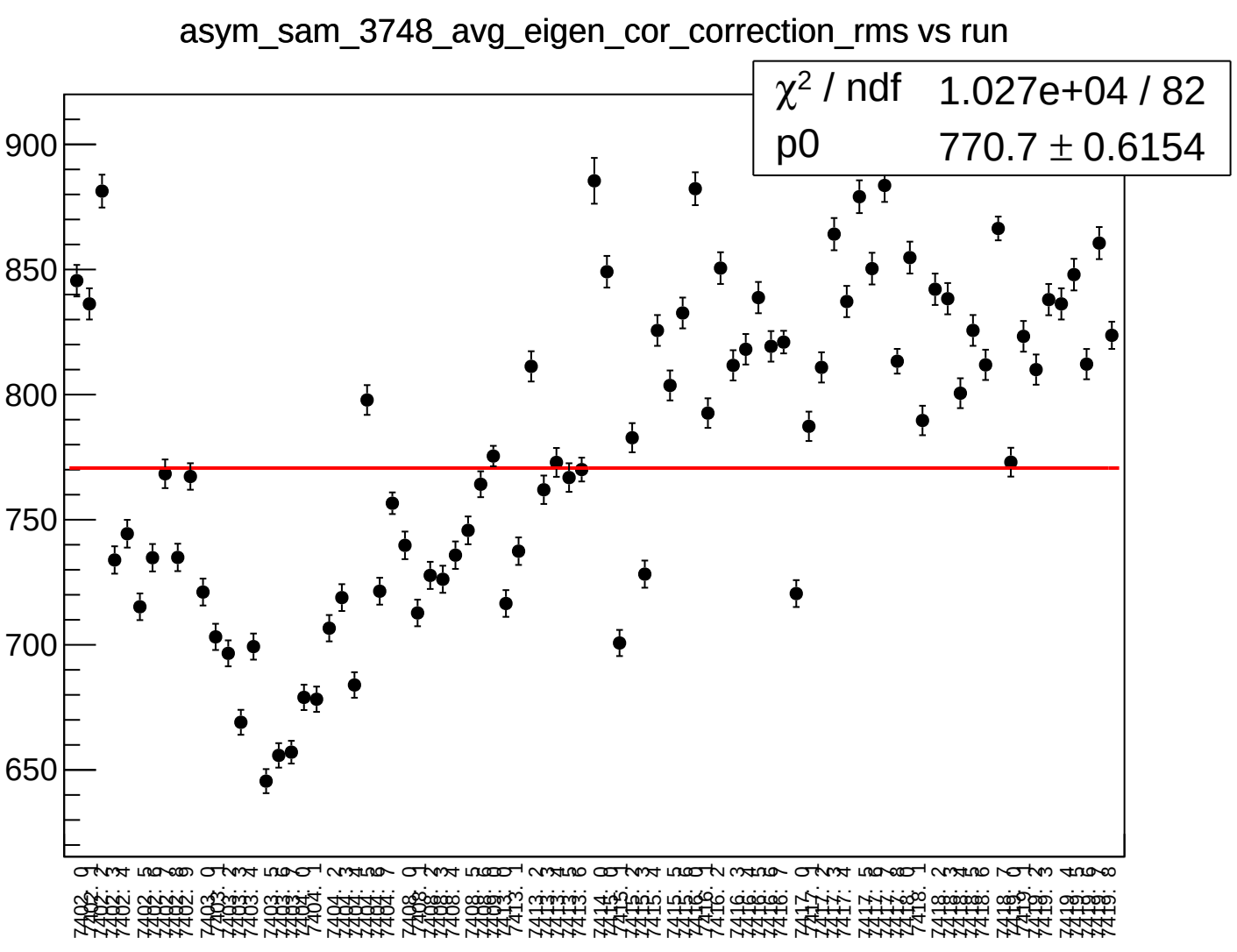

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 75.28 / 82
p0 −10.22 ± 143
pull
Entries 83
Mean 196
Std Dev 0

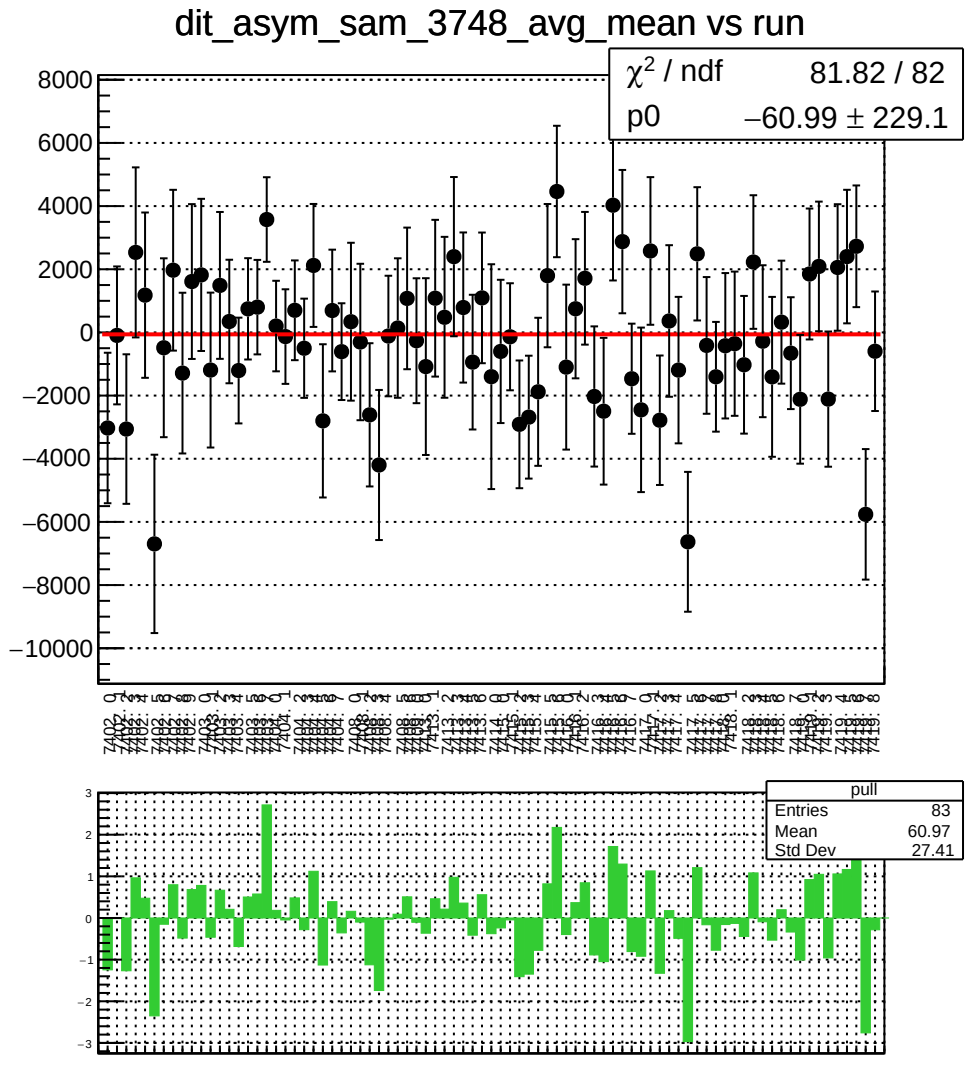

pull1D
Entries 83
Mean 0.007511
Std Dev 0.9523

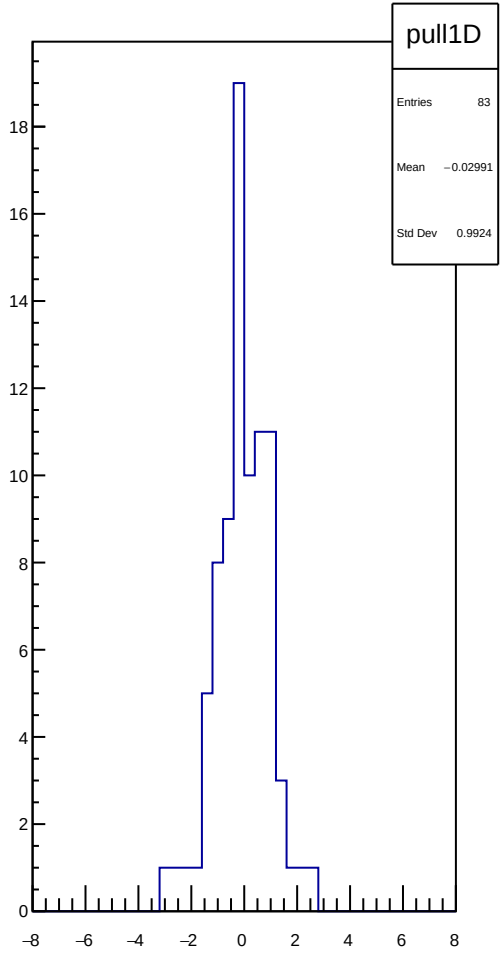

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 4.964e+04 / 82
p0 125 ± 0.1011
160
150
140
130
120
110
100
90
80

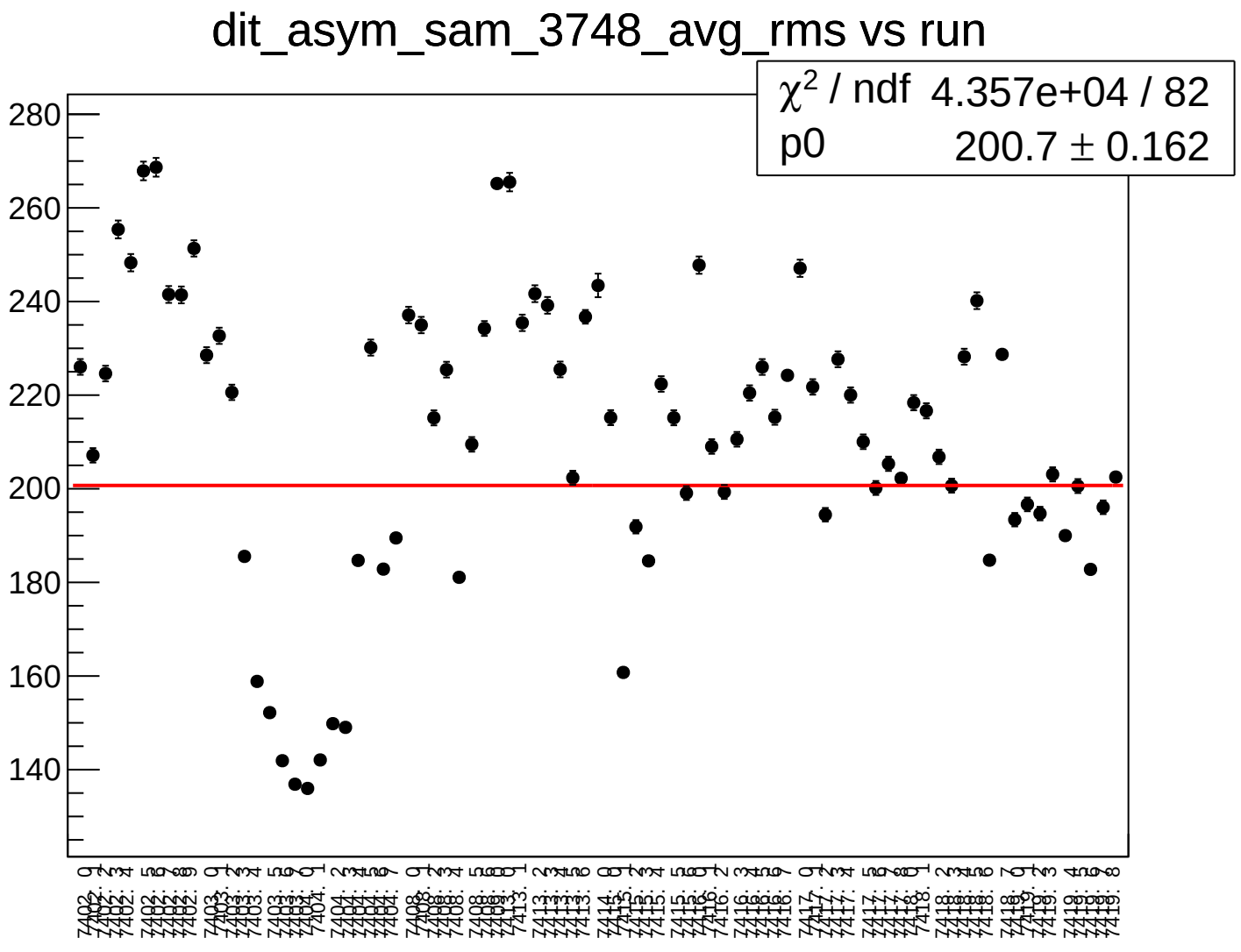

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.13 / 82
p0 −81.26 ± 870.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 87.52
Std Dev 17.74
2
1
0
−1
−2

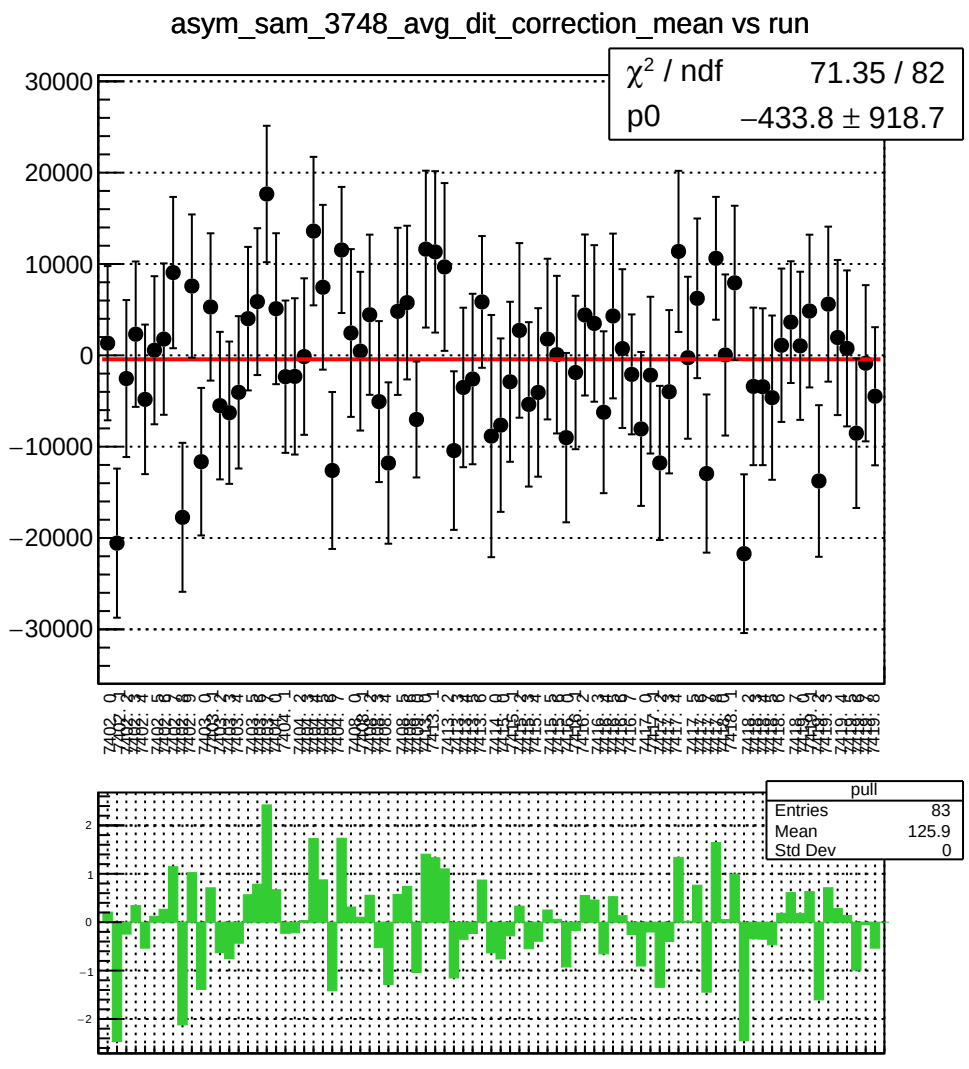

pull1D
Entries 83
Mean −0.02586
Std Dev 0.9319
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

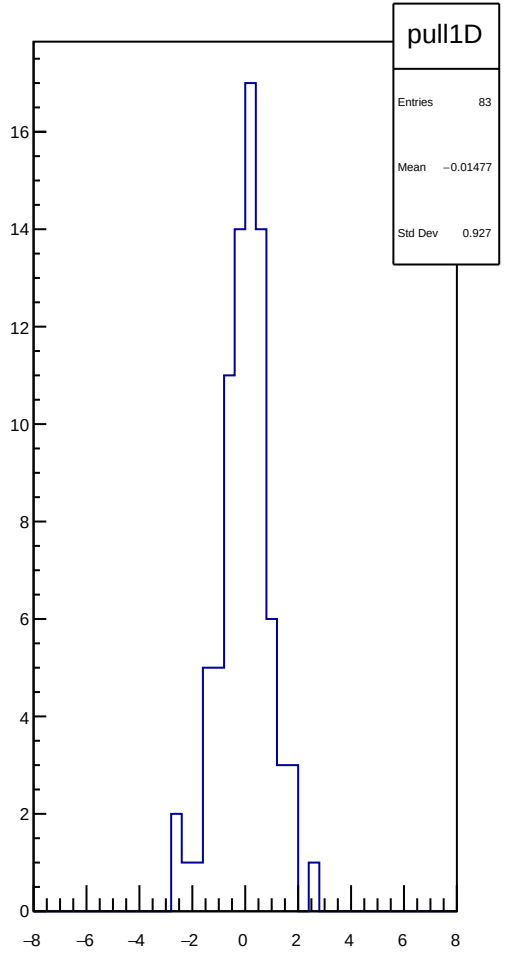

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.027e+04 / 82
p0 770.7 ± 0.6154
900
850
800
750
700
650


dit_asym_sam_3748_avg_mean vs run
χ² / ndf 81.82 / 82
p0 −60.99 ± 229.1
pull
Entries 83
Mean 60.97
Std Dev 27.41


pull1D
Entries 83
Mean −0.02991
Std Dev 0.9924


dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.357e+04 / 82
p0 200.7 ± 0.162
280
260
240
220
200
180
160
140


asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 71.35 / 82
p0 −433.8 ± 918.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 125.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean −0.01477
Std Dev 0.927
16
14
12
10
8
6
4
2
0
−8
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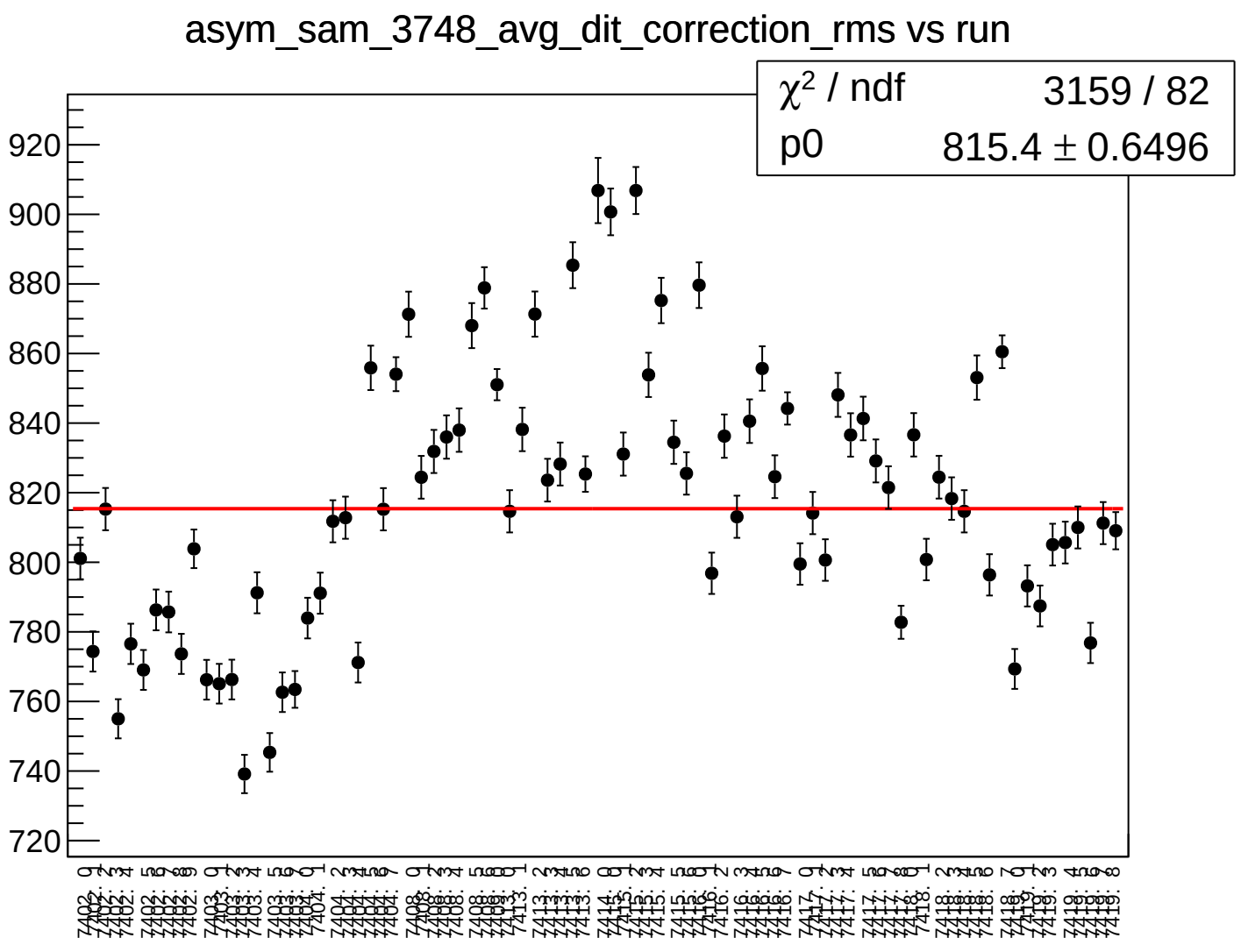
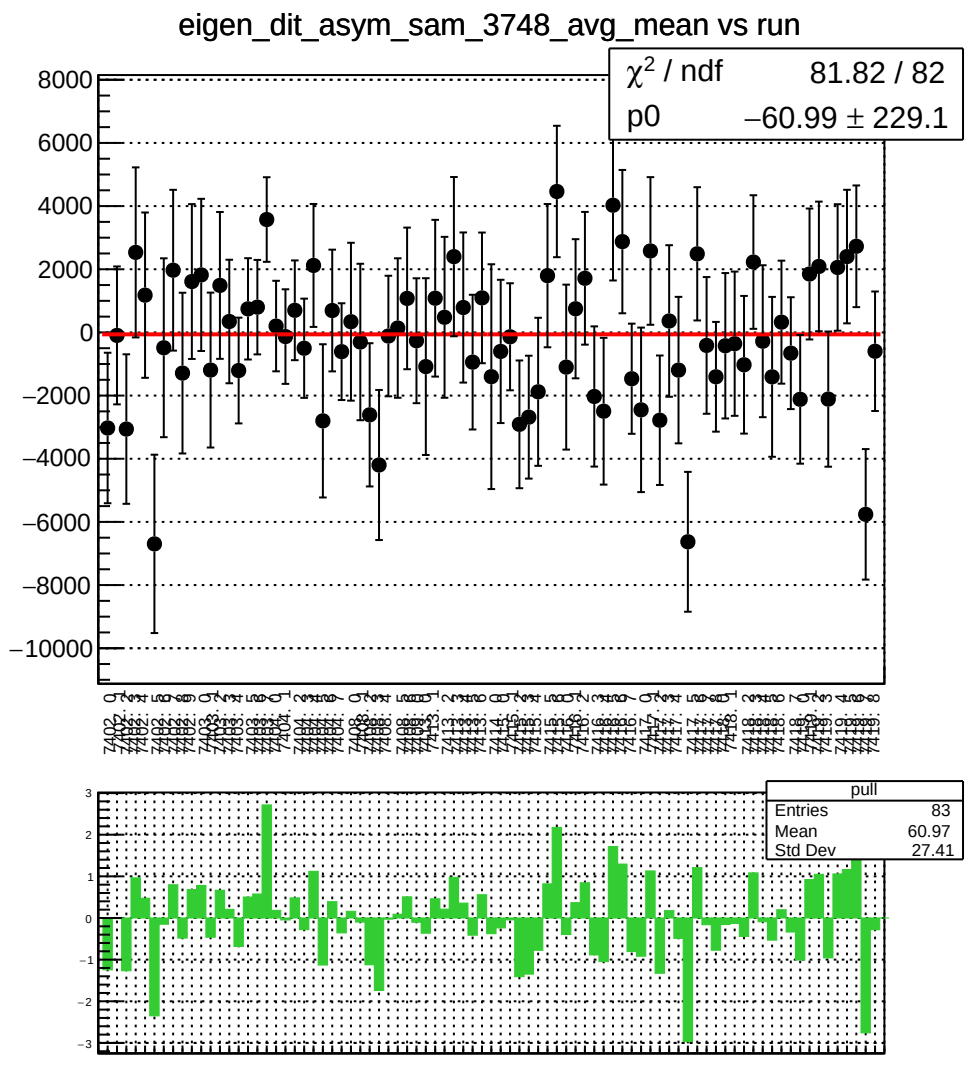
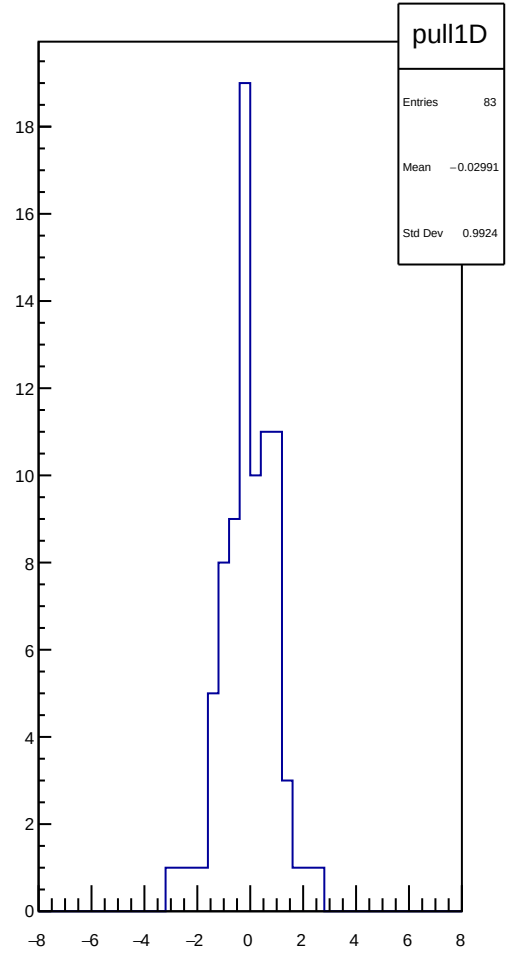
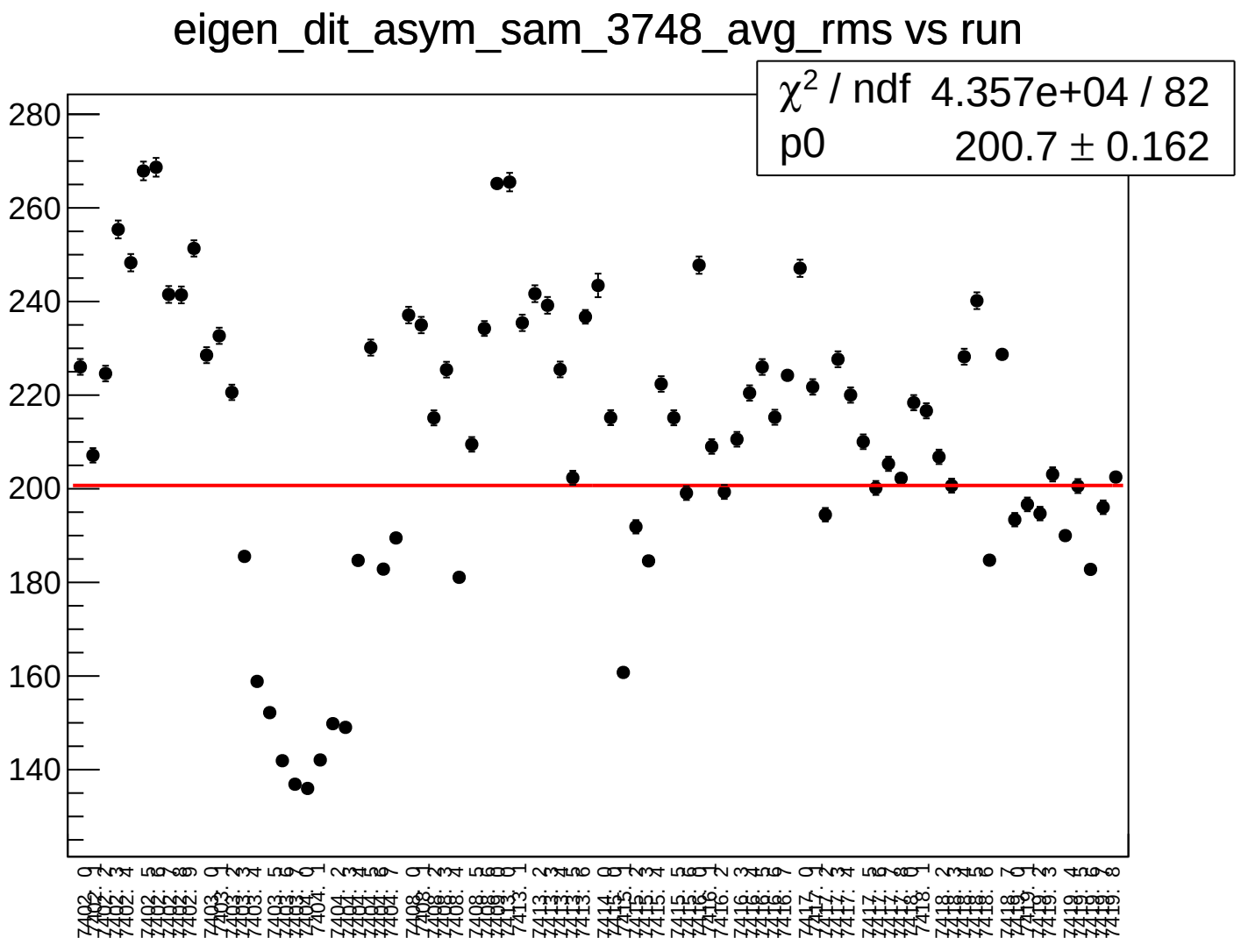
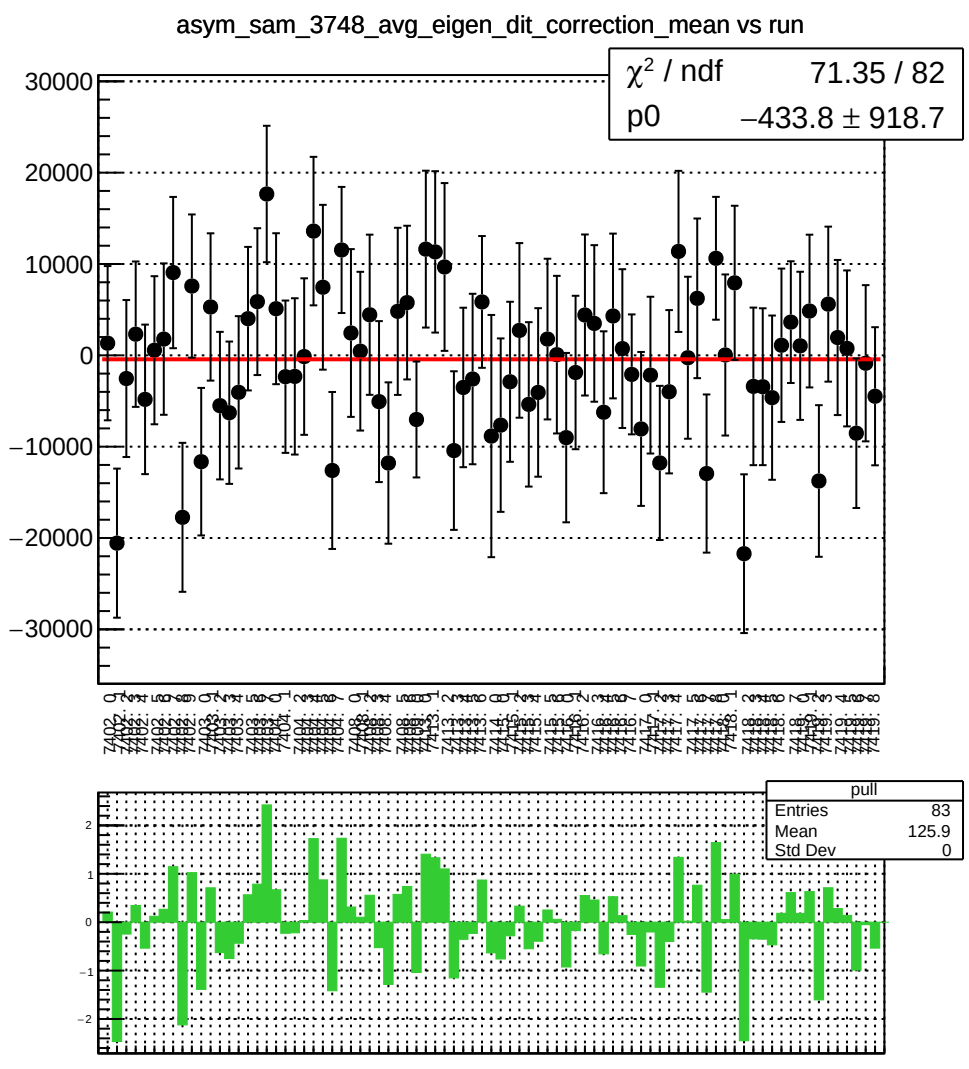
−4
−2
0
2
4
6
8

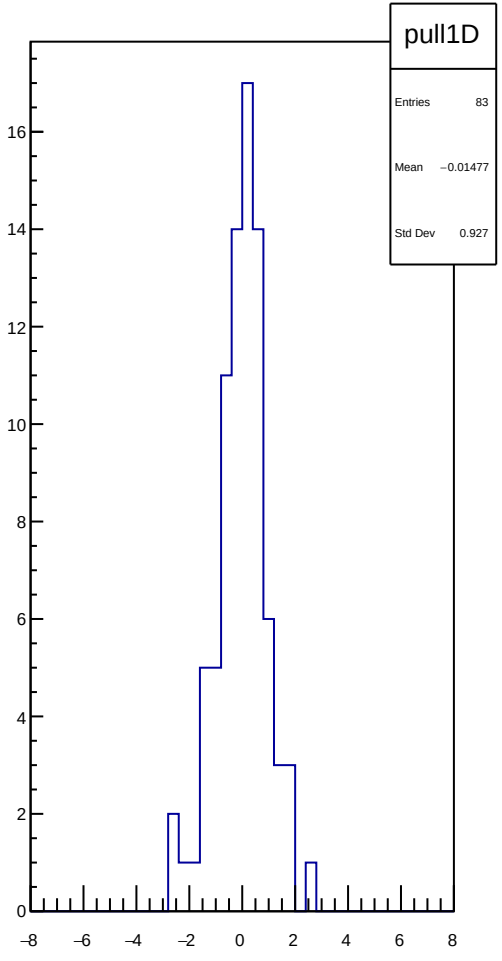

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 3159 / 82
p0 815.4 ± 0.6496
920
900
880
860
840
820
800
780
760
740
720

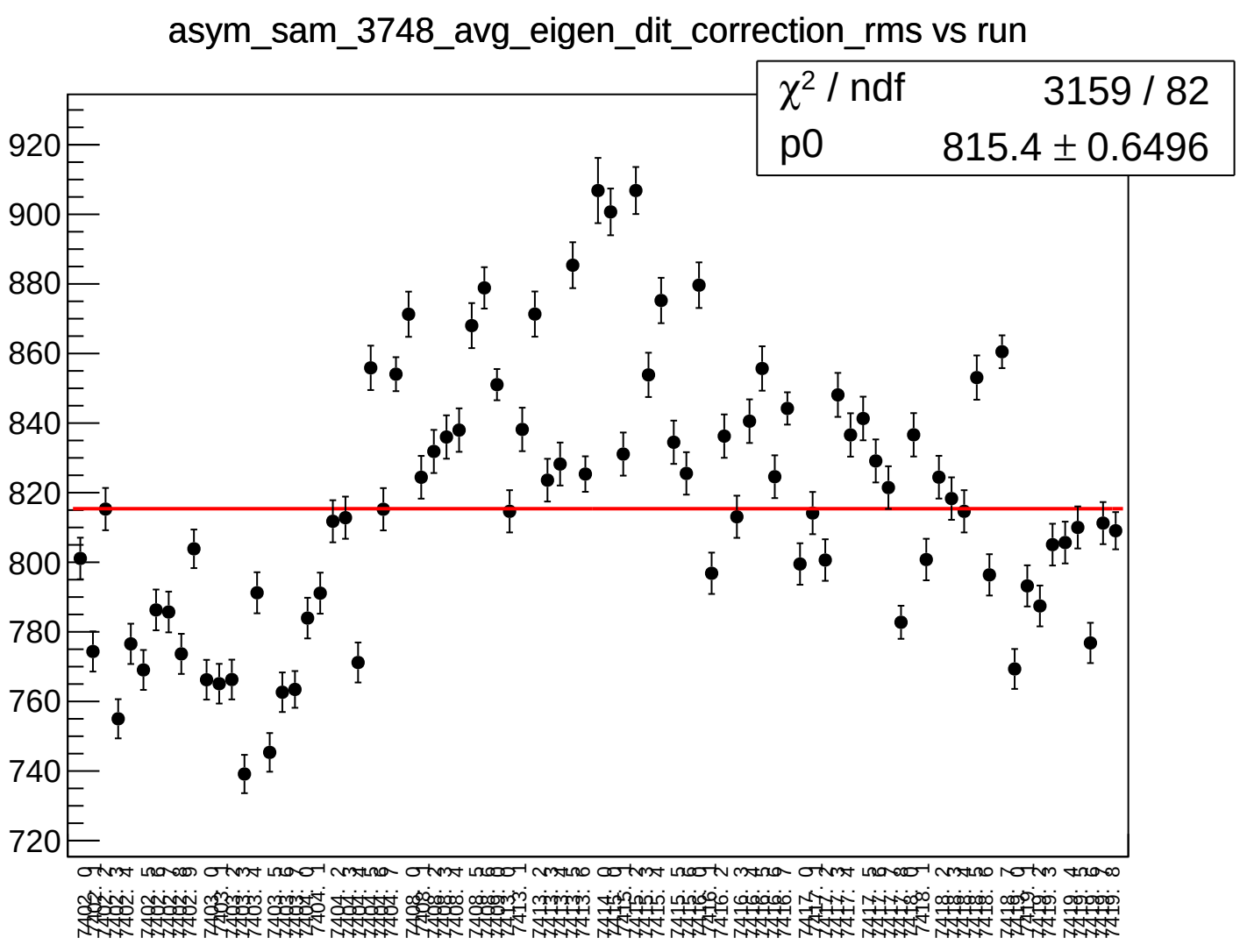

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 81.82 / 82
p0 −60.99 ± 229.1
pull
Entries 83
Mean 60.97
Std Dev 27.41

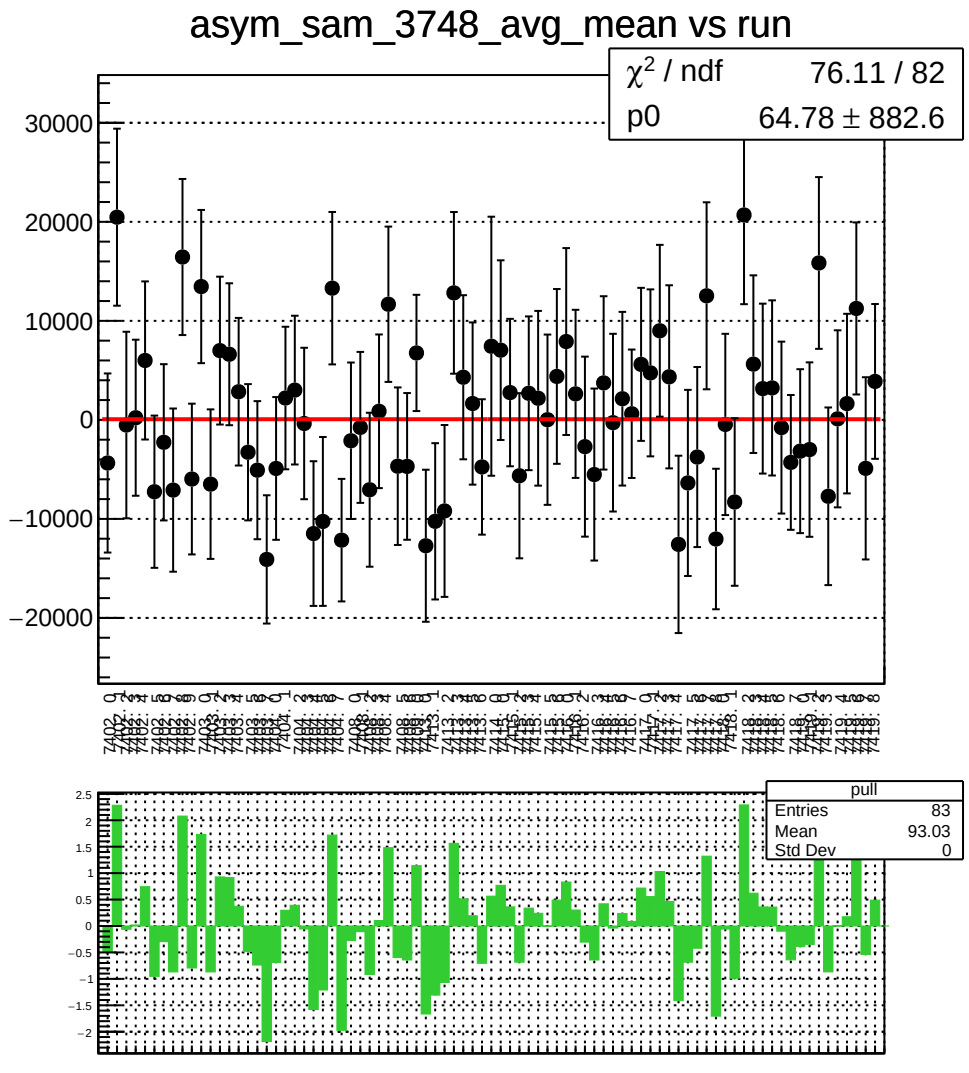

pull1D
Entries 83
Mean −0.02991
Std Dev 0.9924

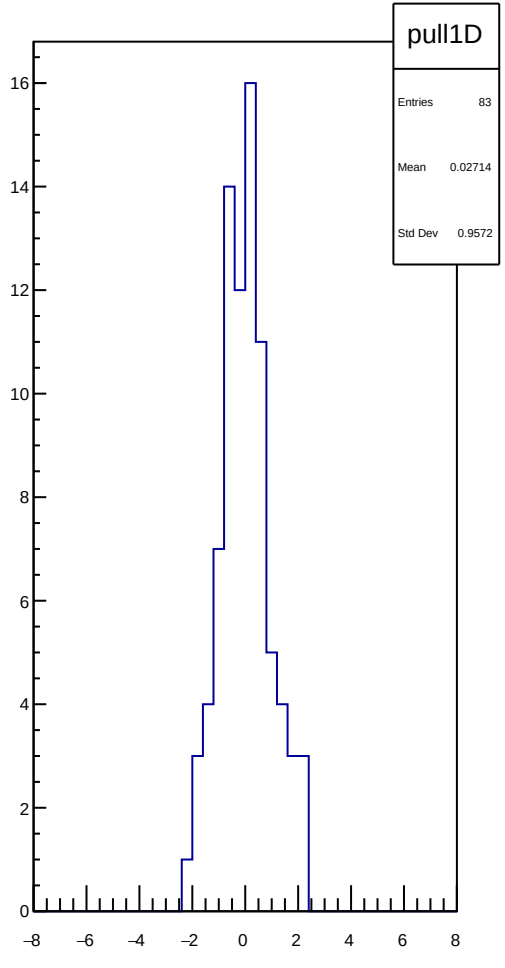

eigen_dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 4.357e+04 / 82
p0 200.7 ± 0.162
280
260
240
220
200
180
160
140

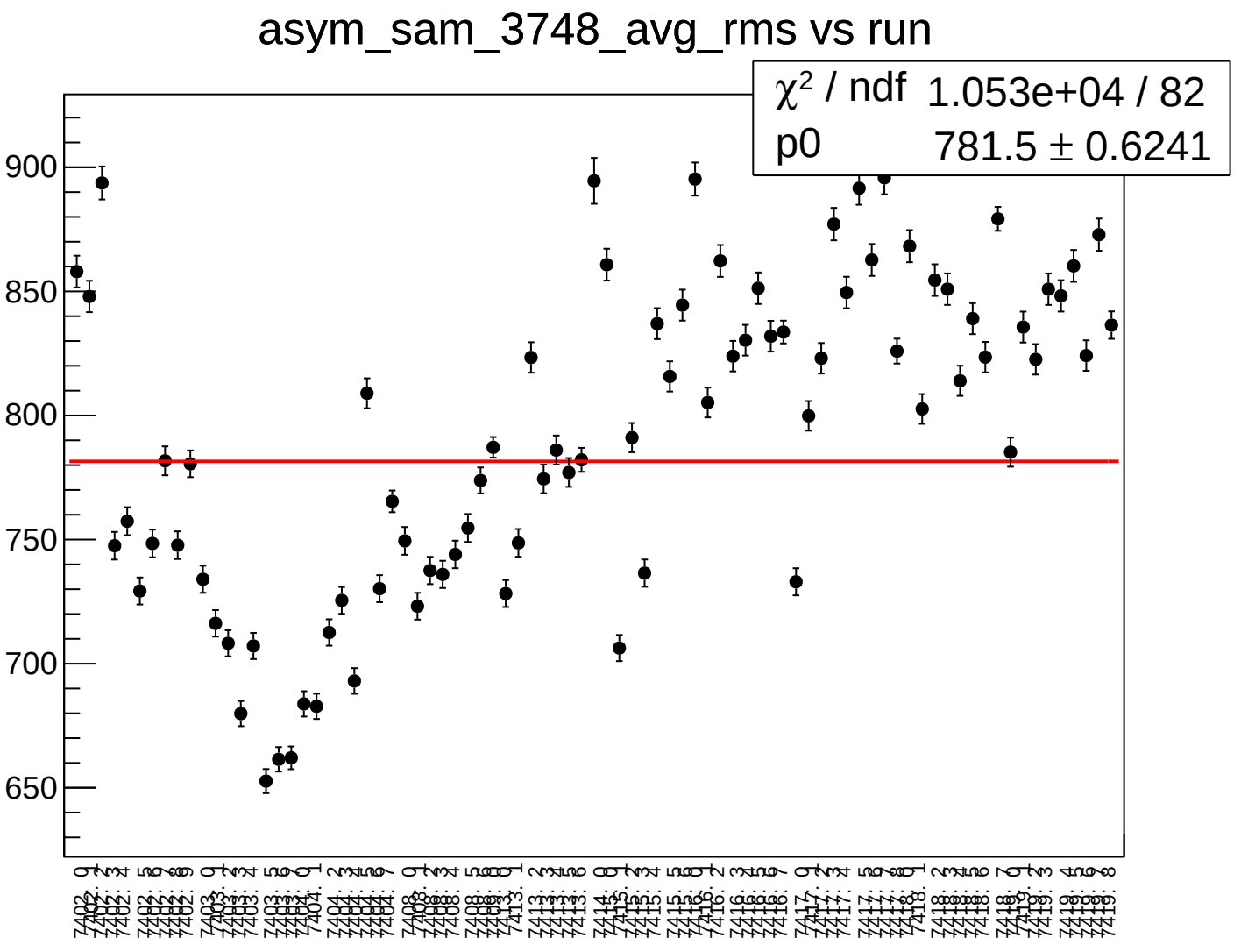

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.35 / 82
p0 −433.8 ± 918.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 125.9
Std Dev 0
2
1
0
−1
−2

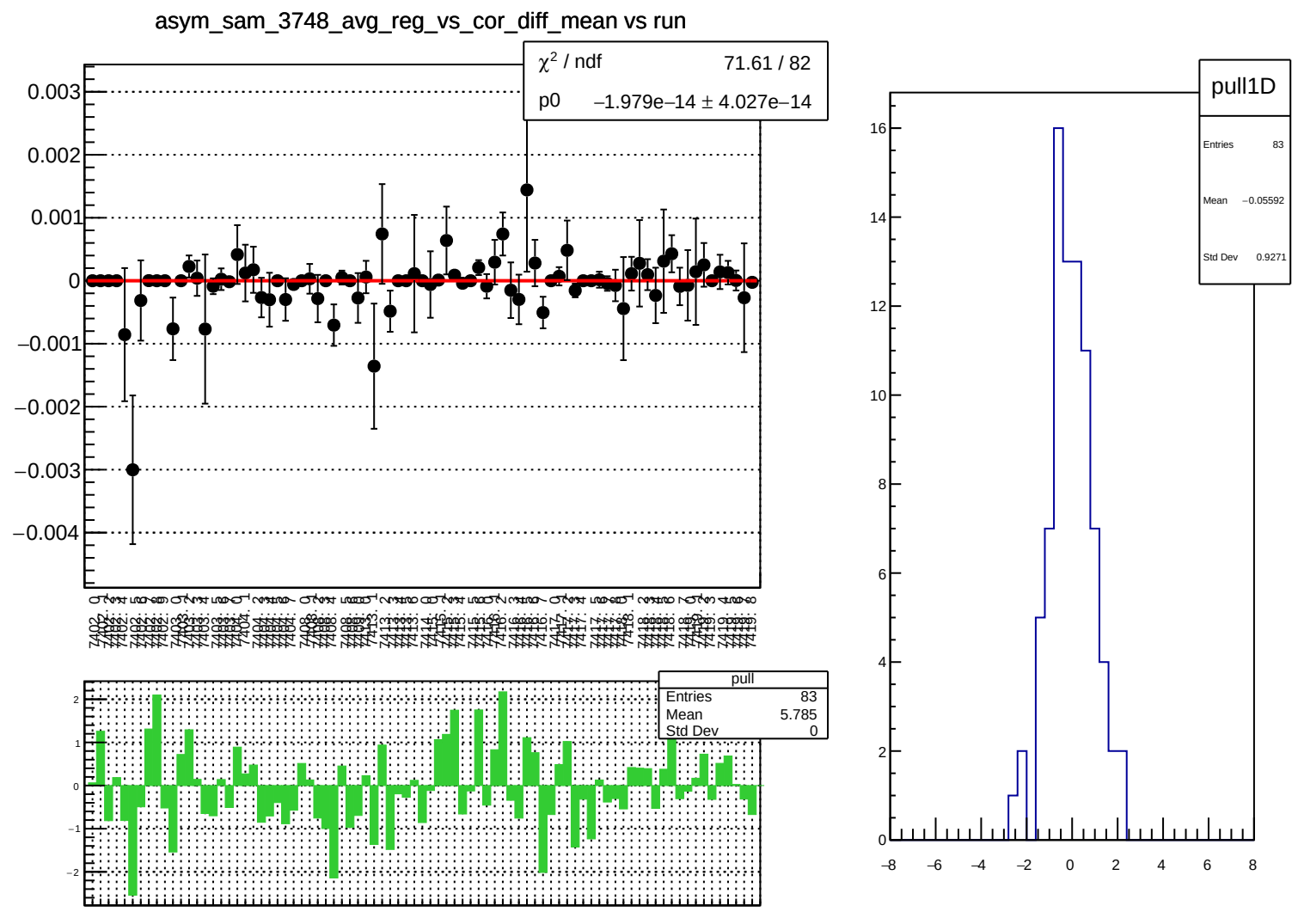

pull1D
Entries 83
Mean −0.01477
Std Dev 0.927
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

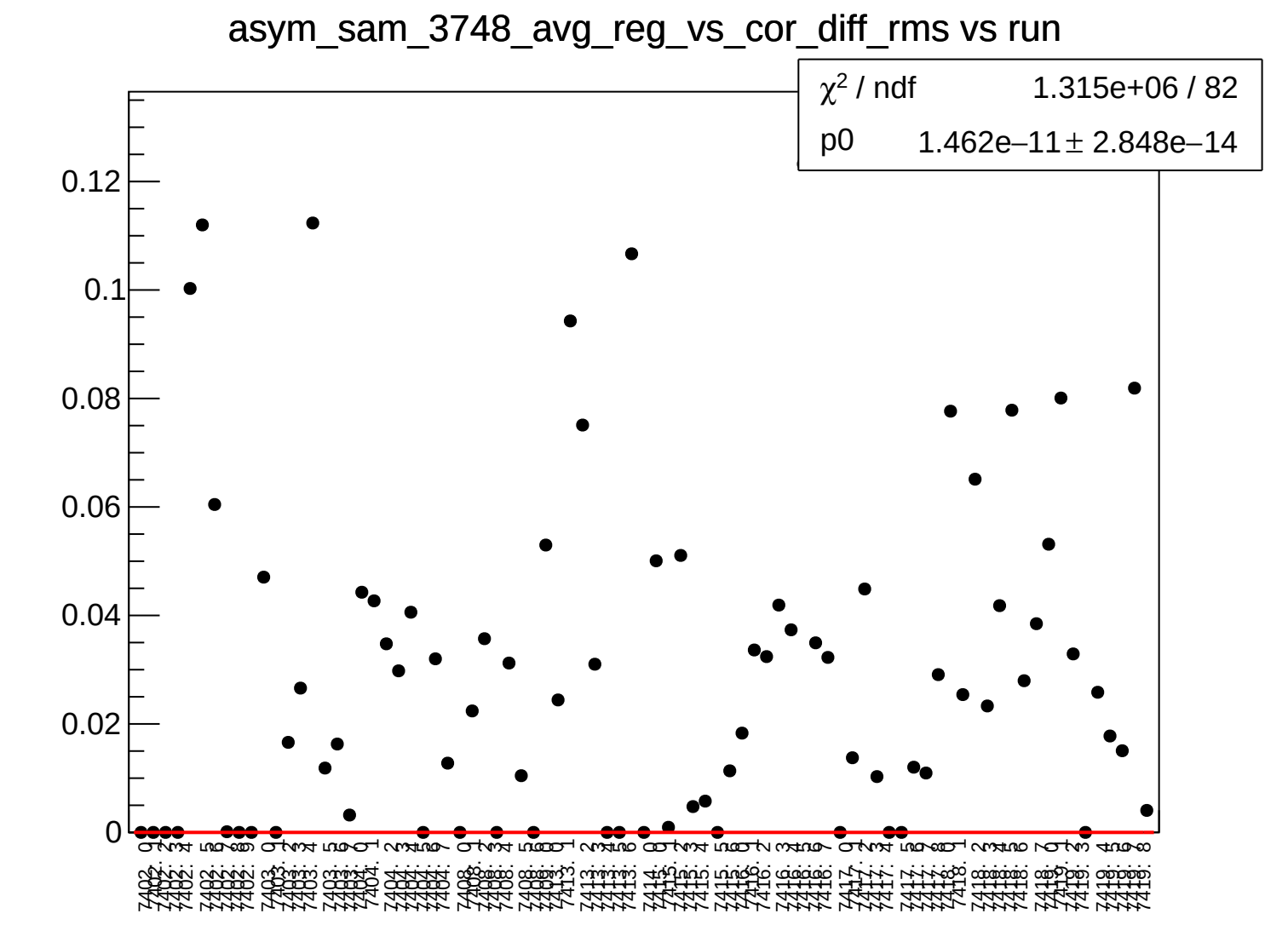

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 3159 / 82
p0 815.4 ± 0.6496
920
900
880
860
840
820
800
780
760
740
720

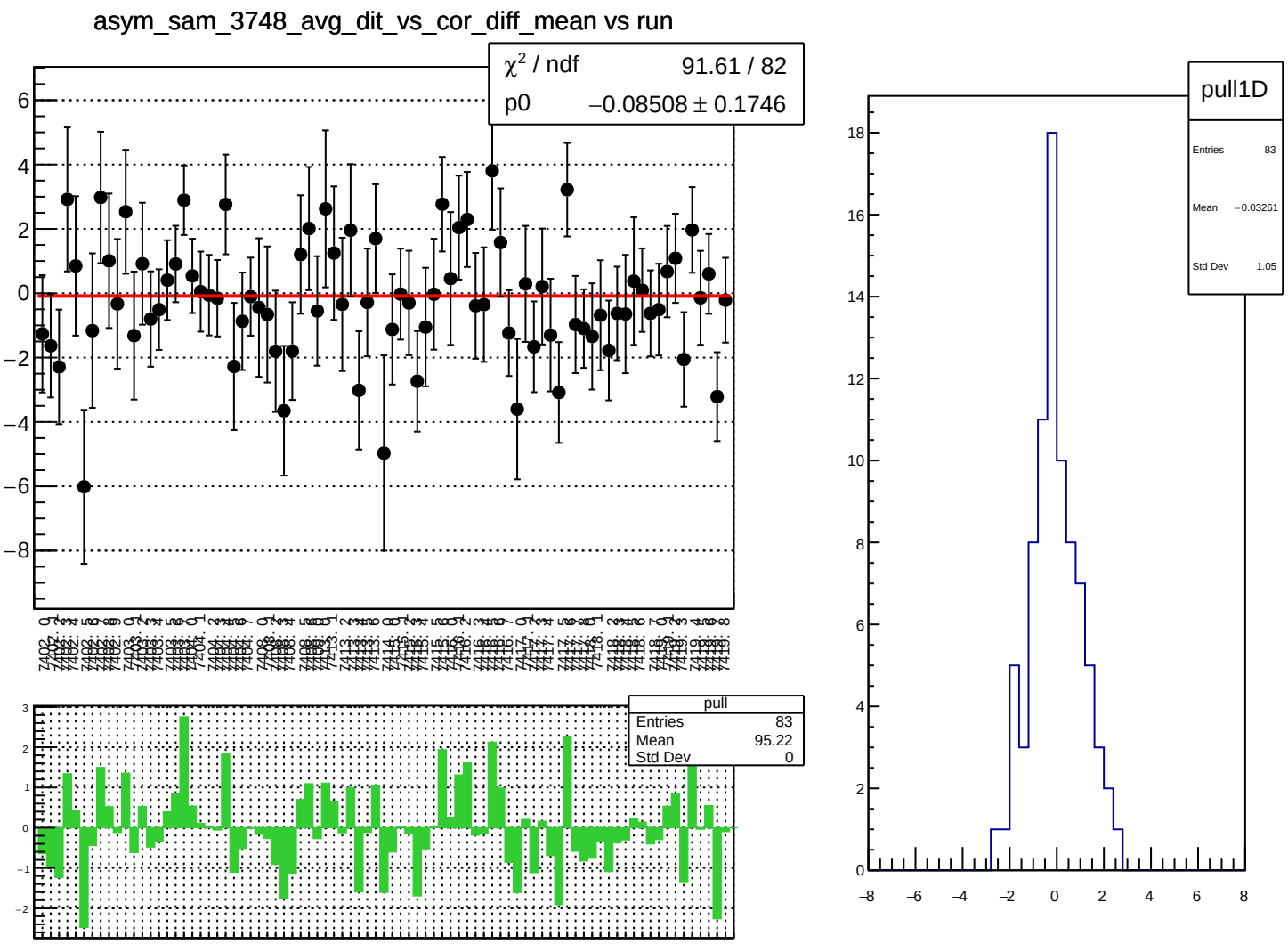

asym_sam_3748_avg_mean vs run
χ² / ndf 76.11 / 82
p0 64.78 ± 882.6
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 93.03
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

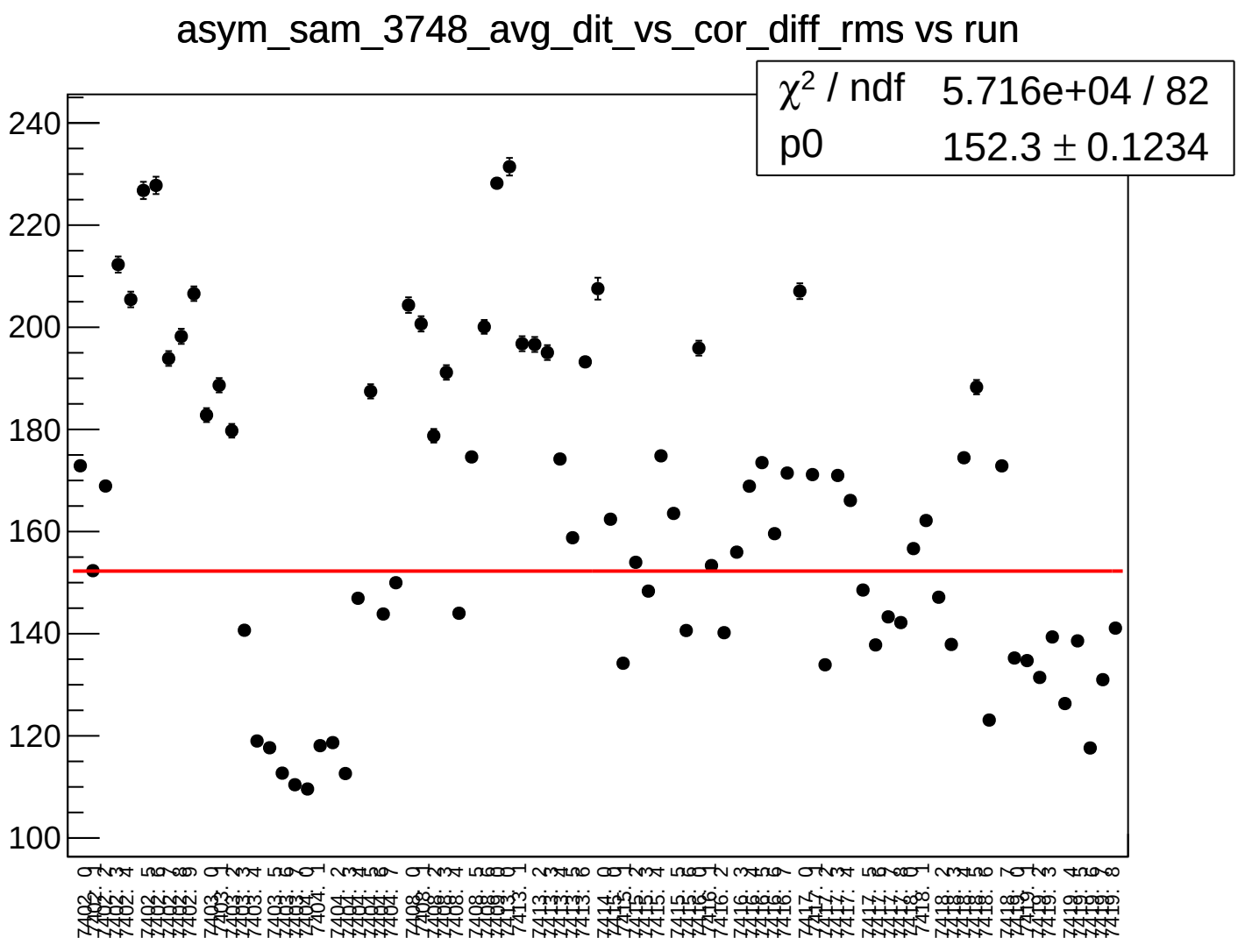

pull1D
Entries 83
Mean 0.02714
Std Dev 0.9572
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

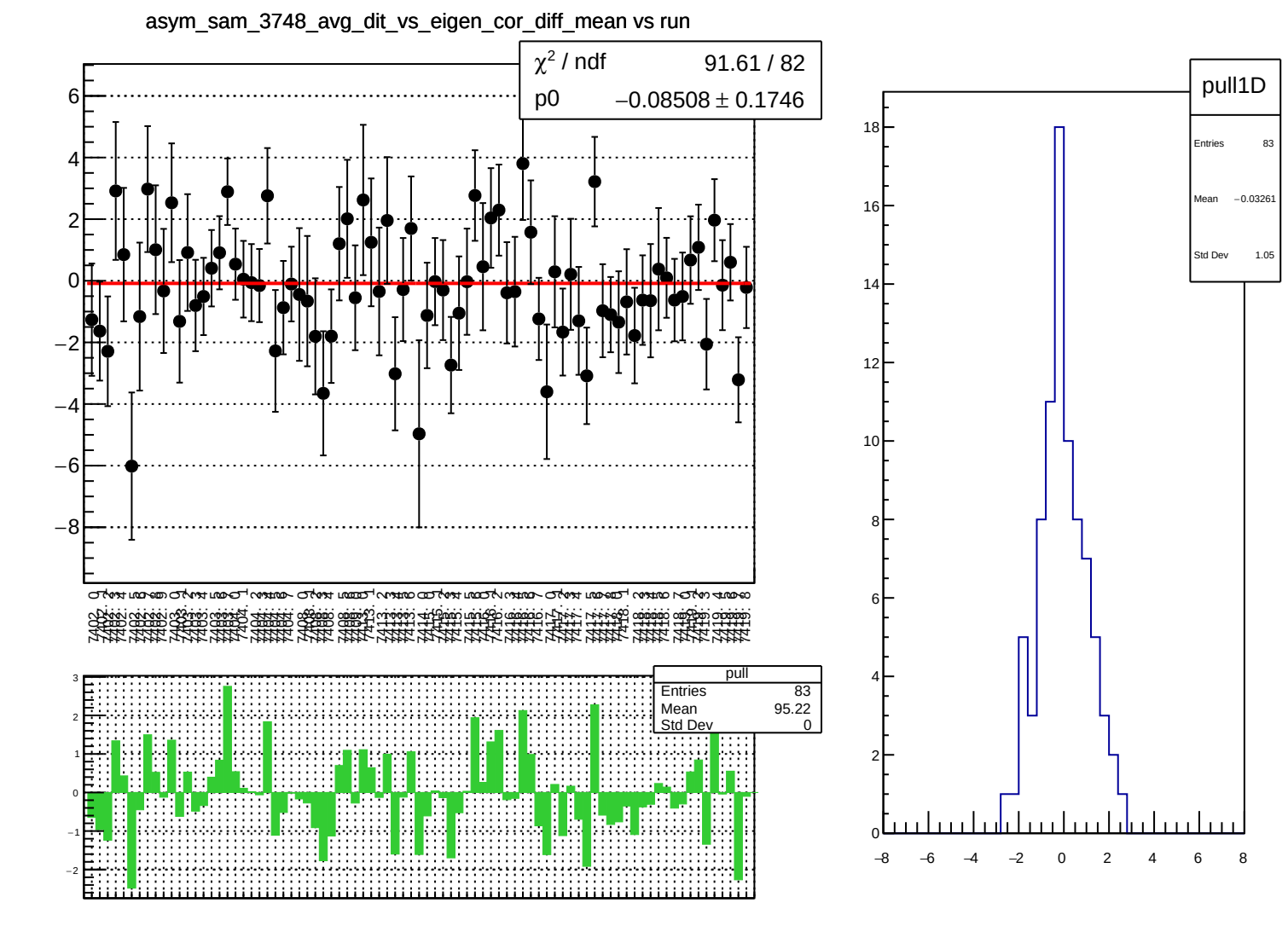

asym_sam_3748_avg_rms vs run
χ² / ndf 1.053e+04 / 82
p0 781.5 ± 0.6241
900
850
800
750
700
650

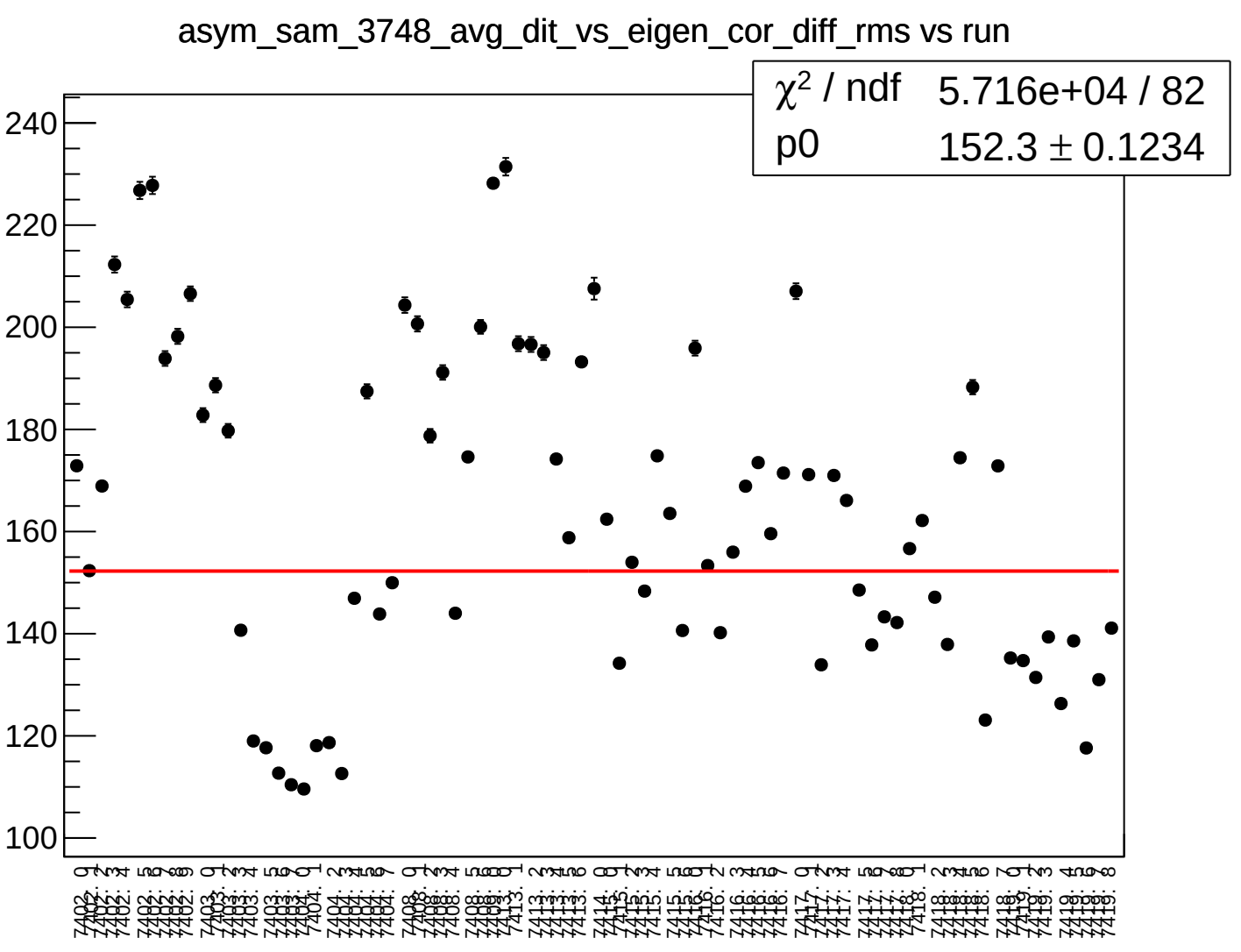

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 71.61 / 82
p0 −1.979e−14 ± 4.027e−14
0.003
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 83
Mean 5.785
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.05592
Std Dev 0.9271
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

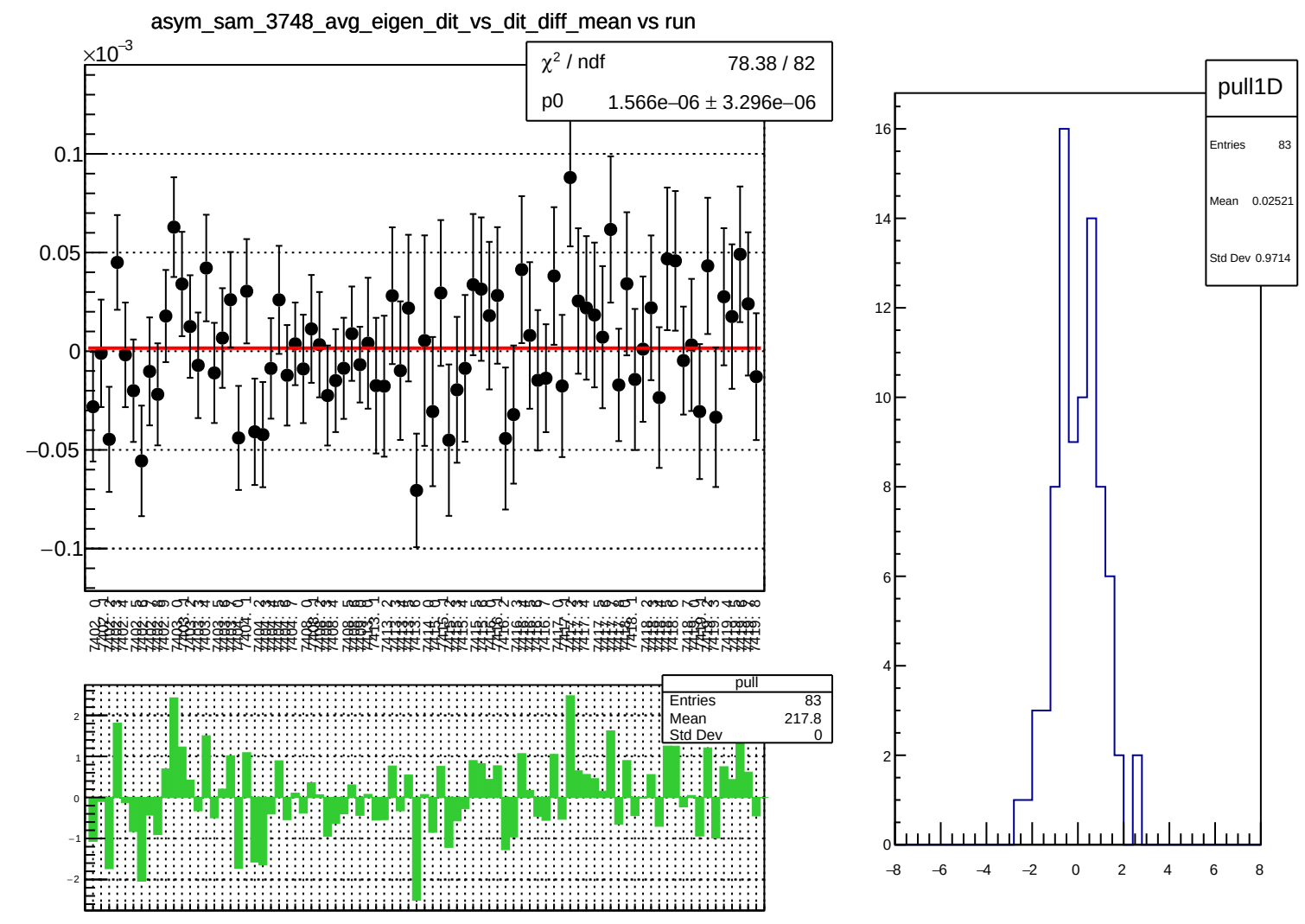

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.315e+06 / 82
p0 1.462e−11 ± 2.848e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

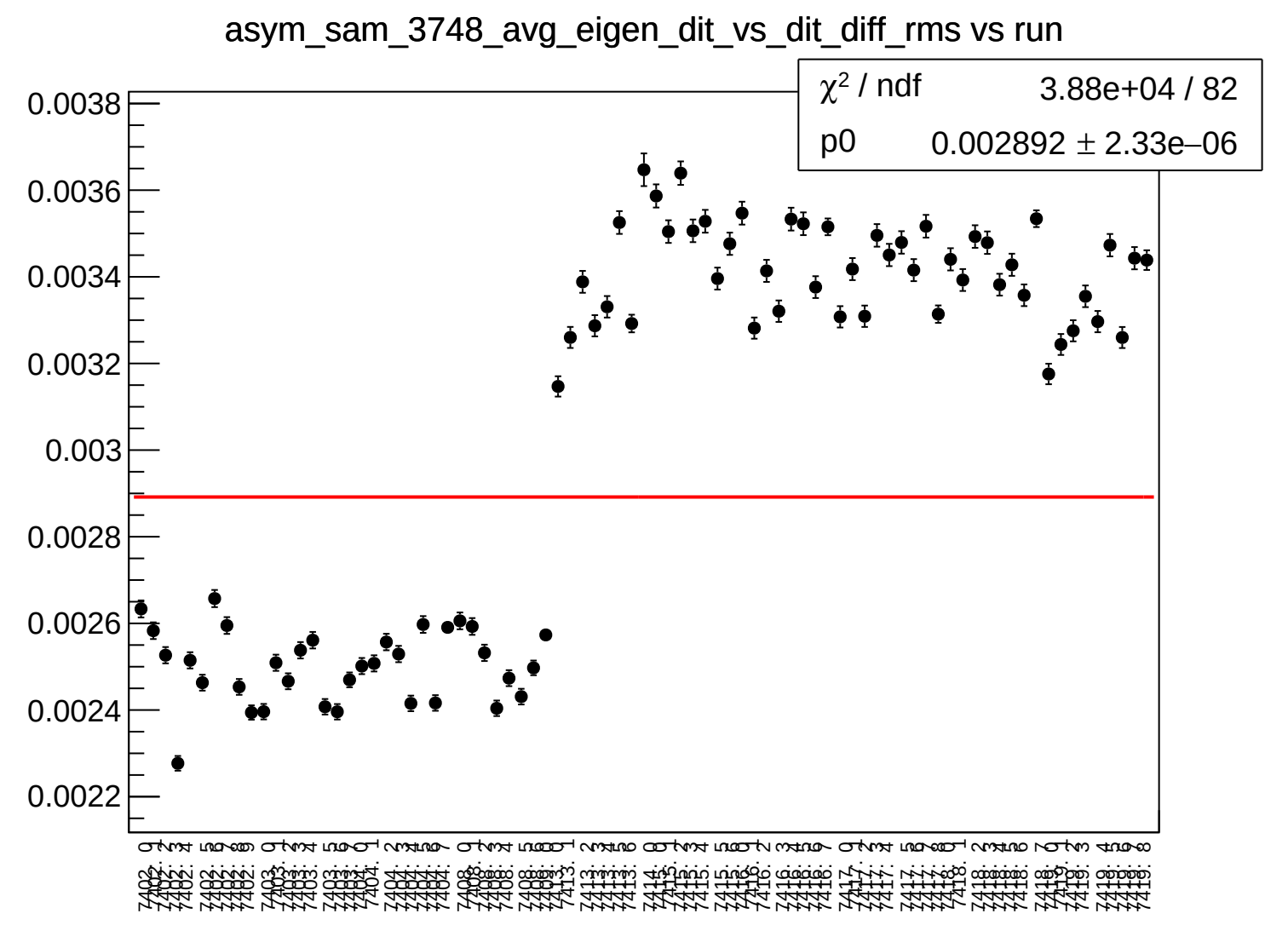

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.61 / 82
p0 −0.08508 ± 0.1746
pull
Entries 83
Mean 95.22
Std Dev 0
pull1D
Entries 83
Mean −0.03261
Std Dev 1.05

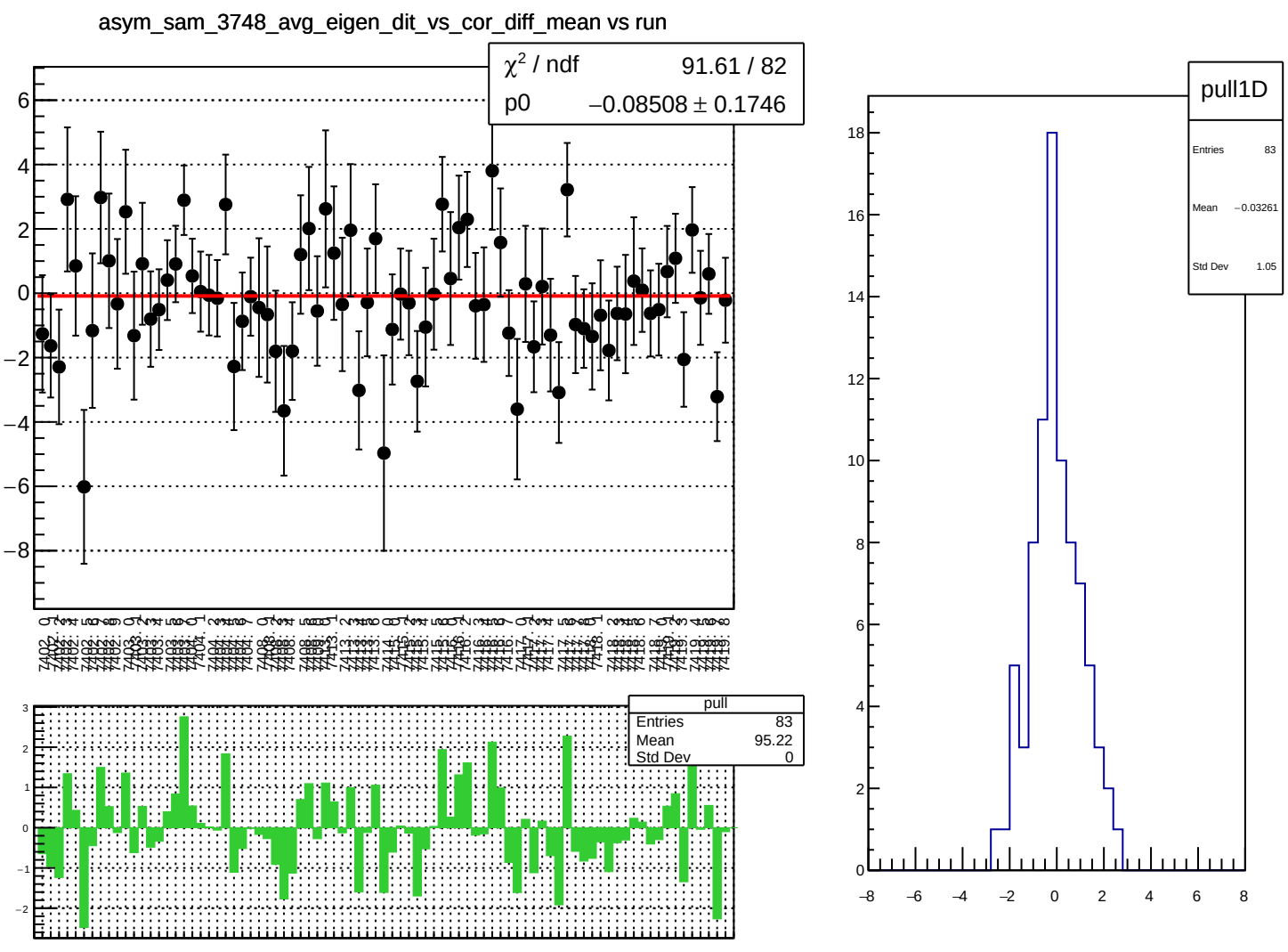

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.716e+04 / 82
p0 152.3 ± 0.1234
240
220
200
180
160
140
120
100

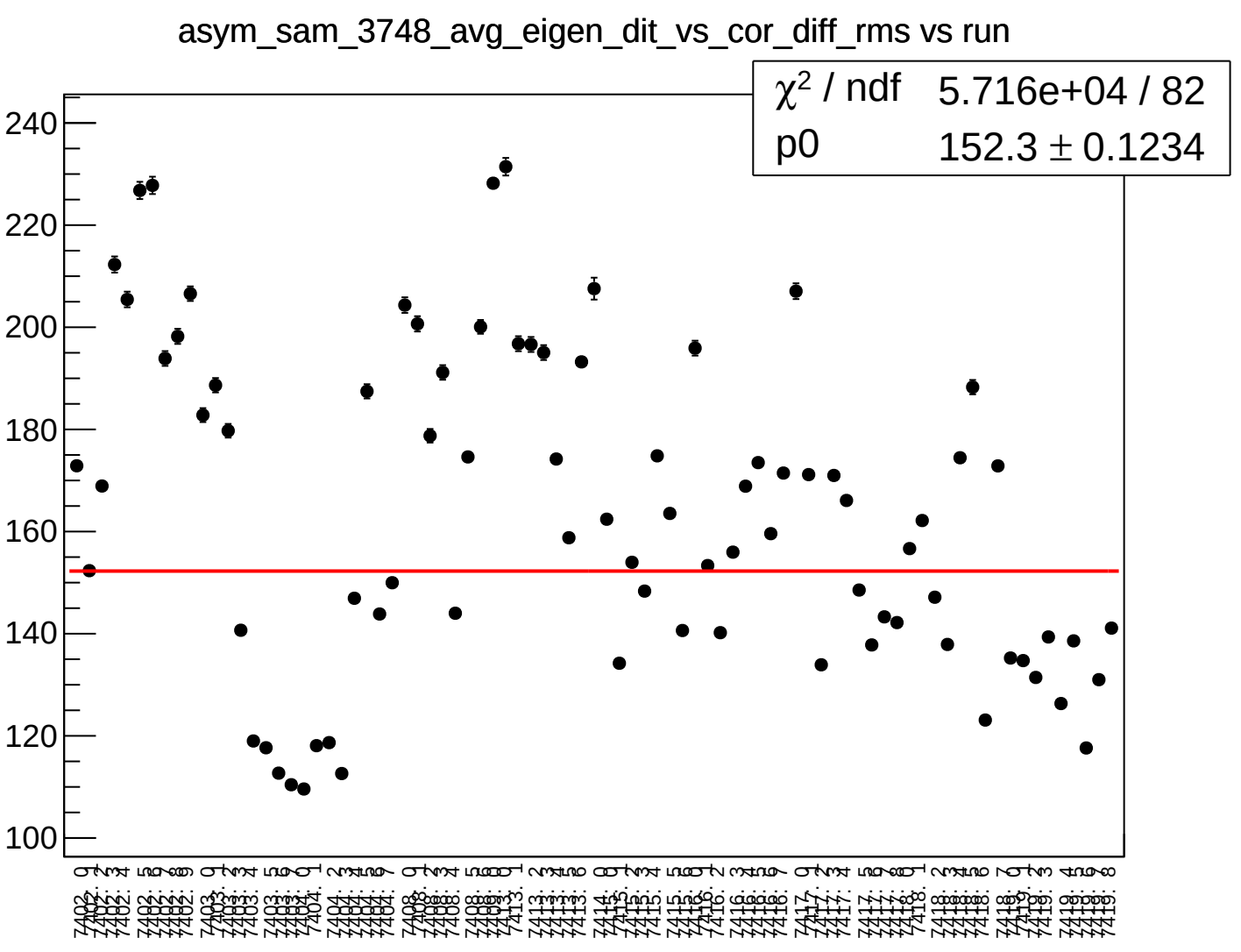

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.61 / 82
p0 −0.08508 ± 0.1746
pull
Entries 83
Mean 95.22
Std Dev 0
pull1D
Entries 83
Mean −0.03261
Std Dev 1.05

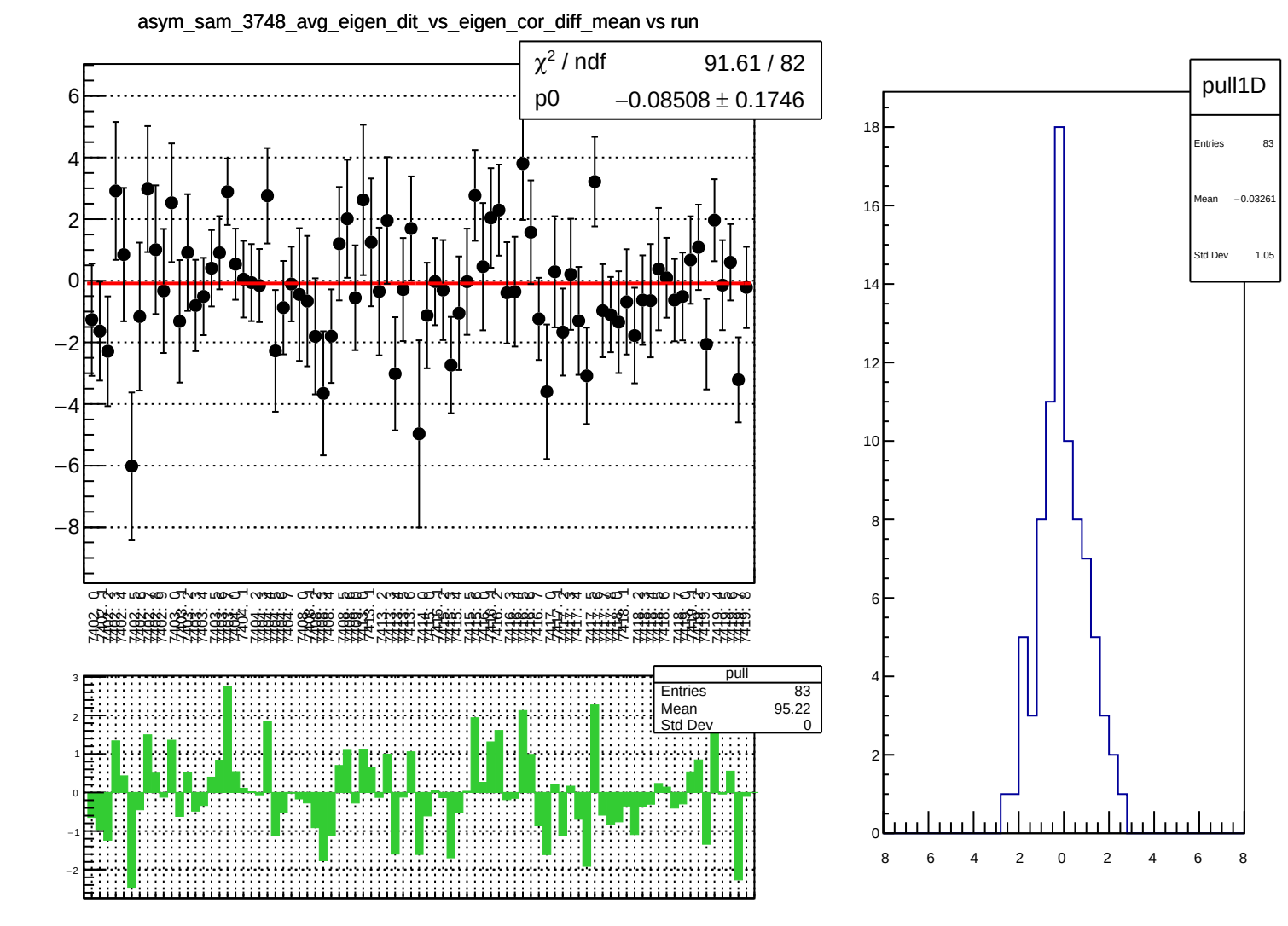

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.716e+04 / 82
p0 152.3 ± 0.1234
240
220
200
180
160
140
120
100

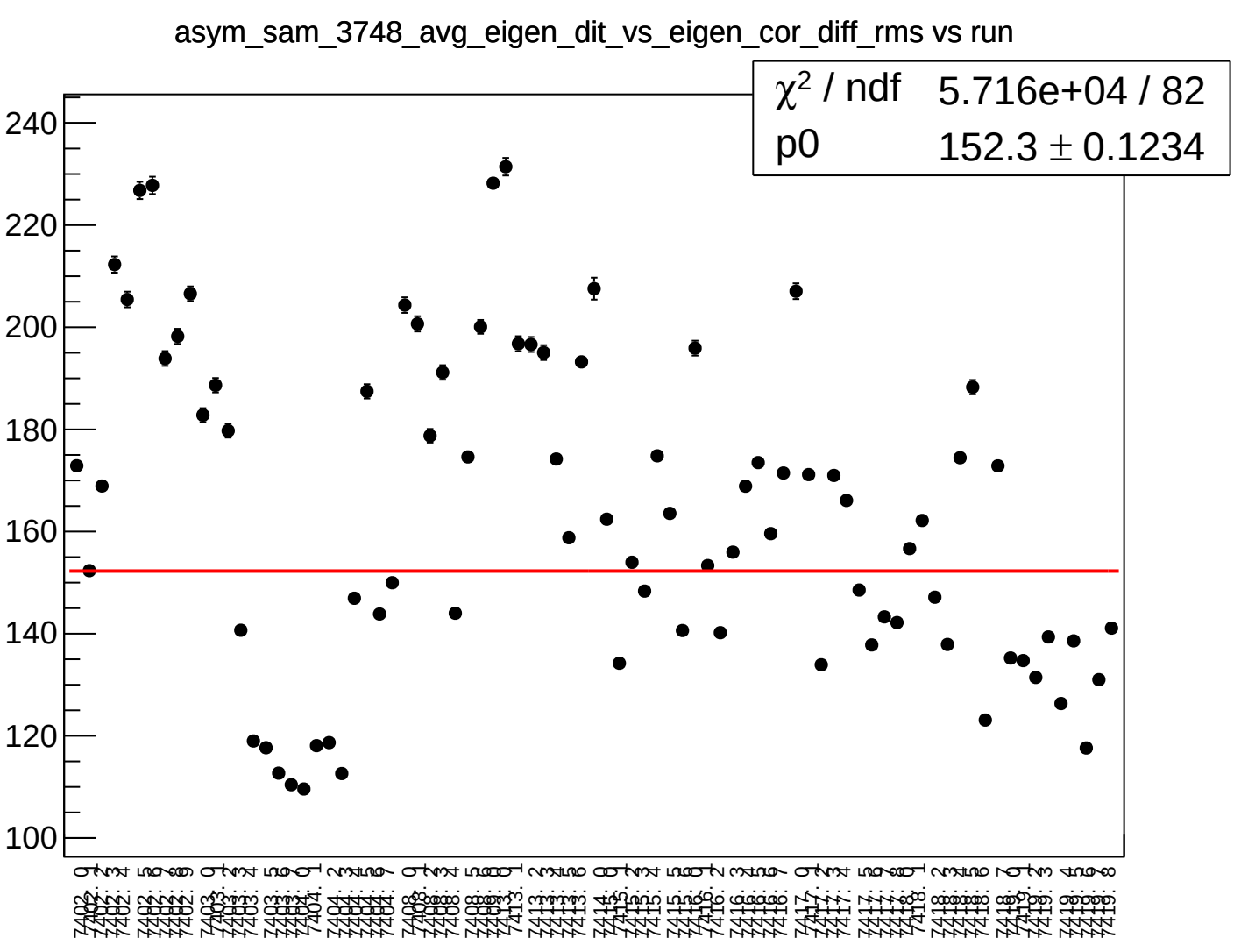

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.38 / 82
p0 1.566e−06 ± 3.296e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 217.8
Std Dev 0
pull1D
Entries 83
Mean 0.02521
Std Dev 0.9714
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.88e+04 / 82
p0 0.002892 ± 2.33e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

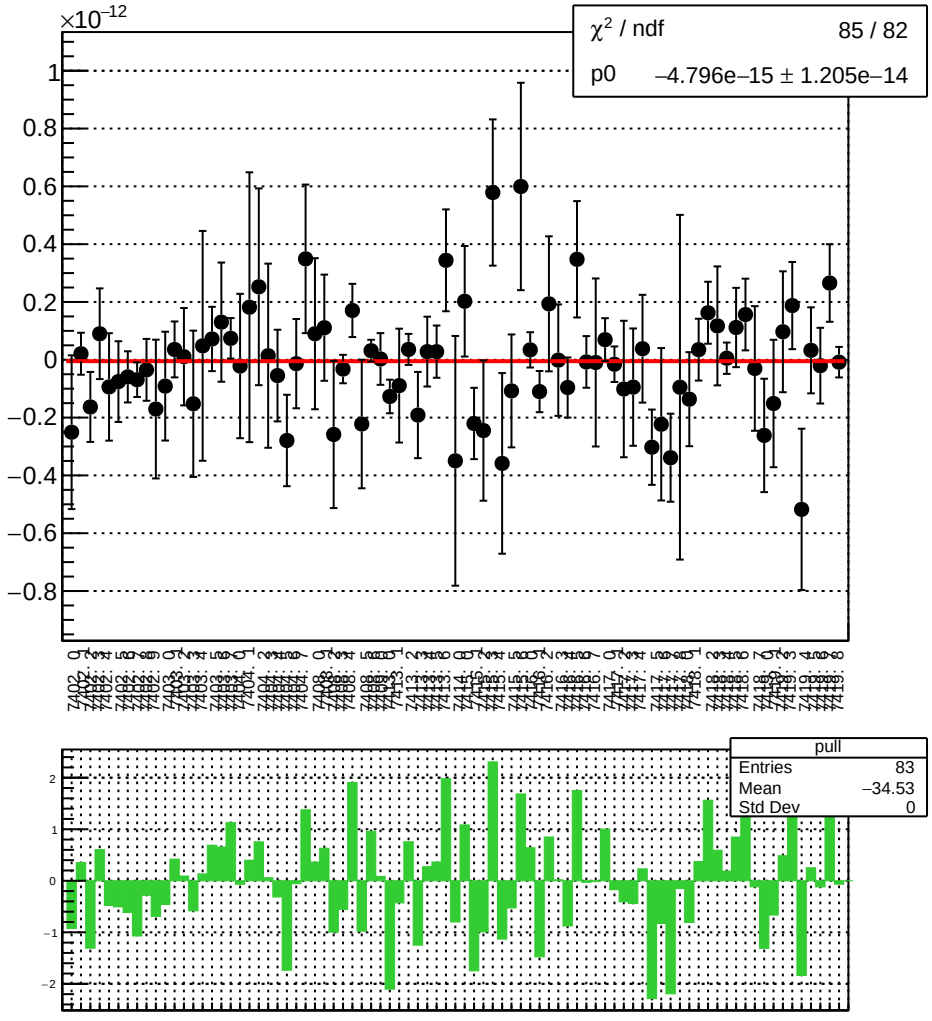

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.61 / 82
p0 −0.08508 ± 0.1746
pull
Entries 83
Mean 95.22
Std Dev 0
pull1D
Entries 83
Mean −0.03261
Std Dev 1.05

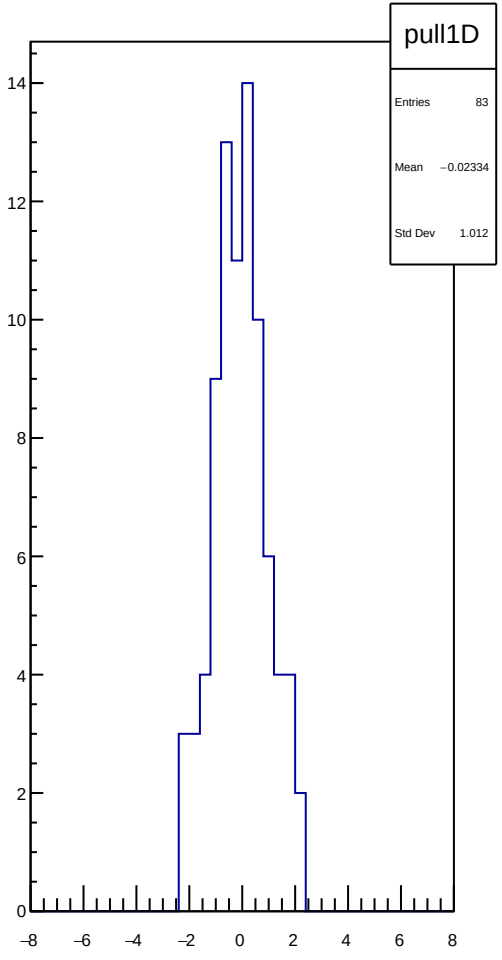

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.716e+04 / 82
p0 152.3 ± 0.1234
240
220
200
180
160
140
120
100

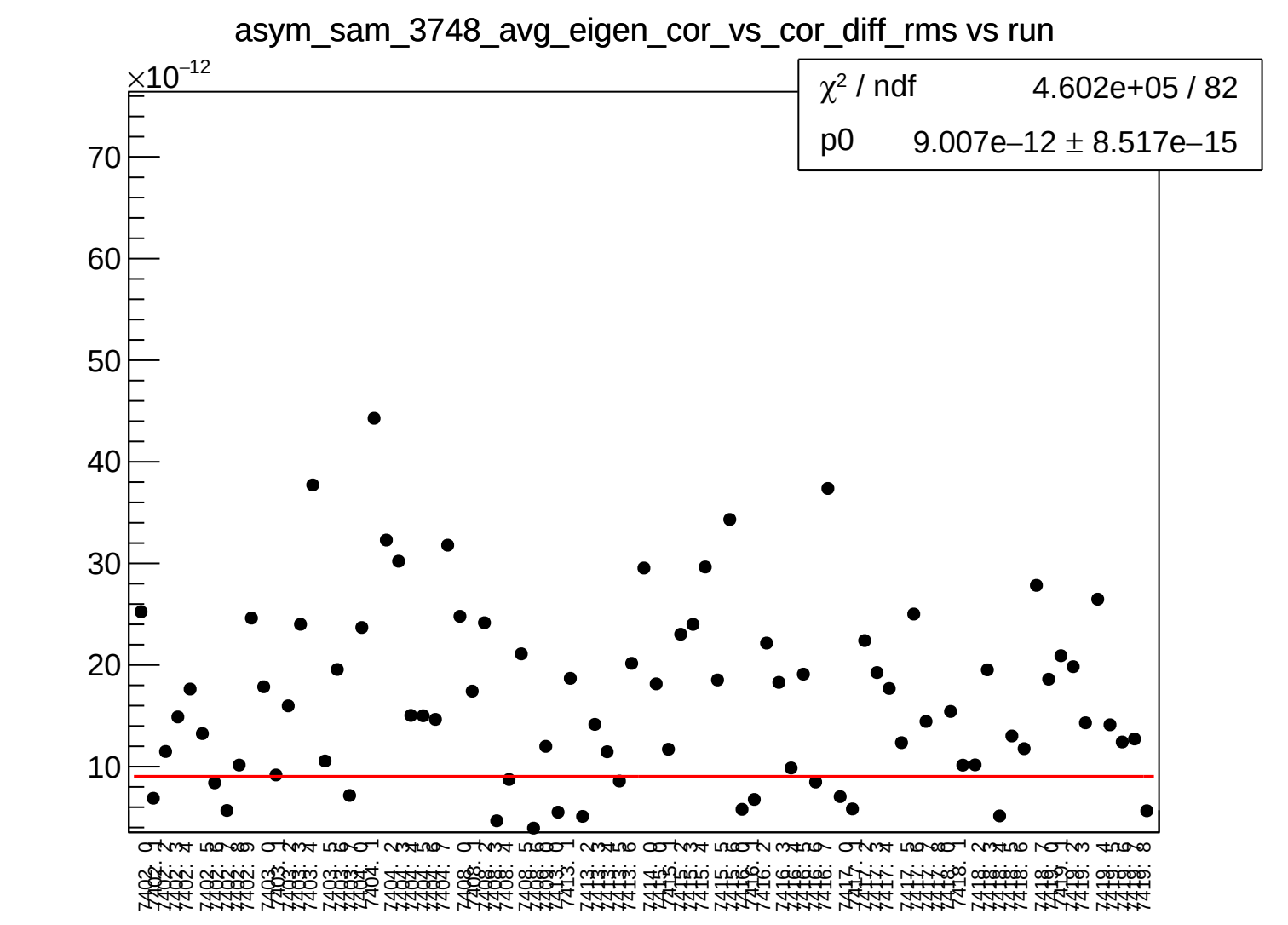

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.61 / 82
p0 −0.08508 ± 0.1746
pull
Entries 83
Mean 95.22
Std Dev 0
pull1D
Entries 83
Mean −0.03261
Std Dev 1.05

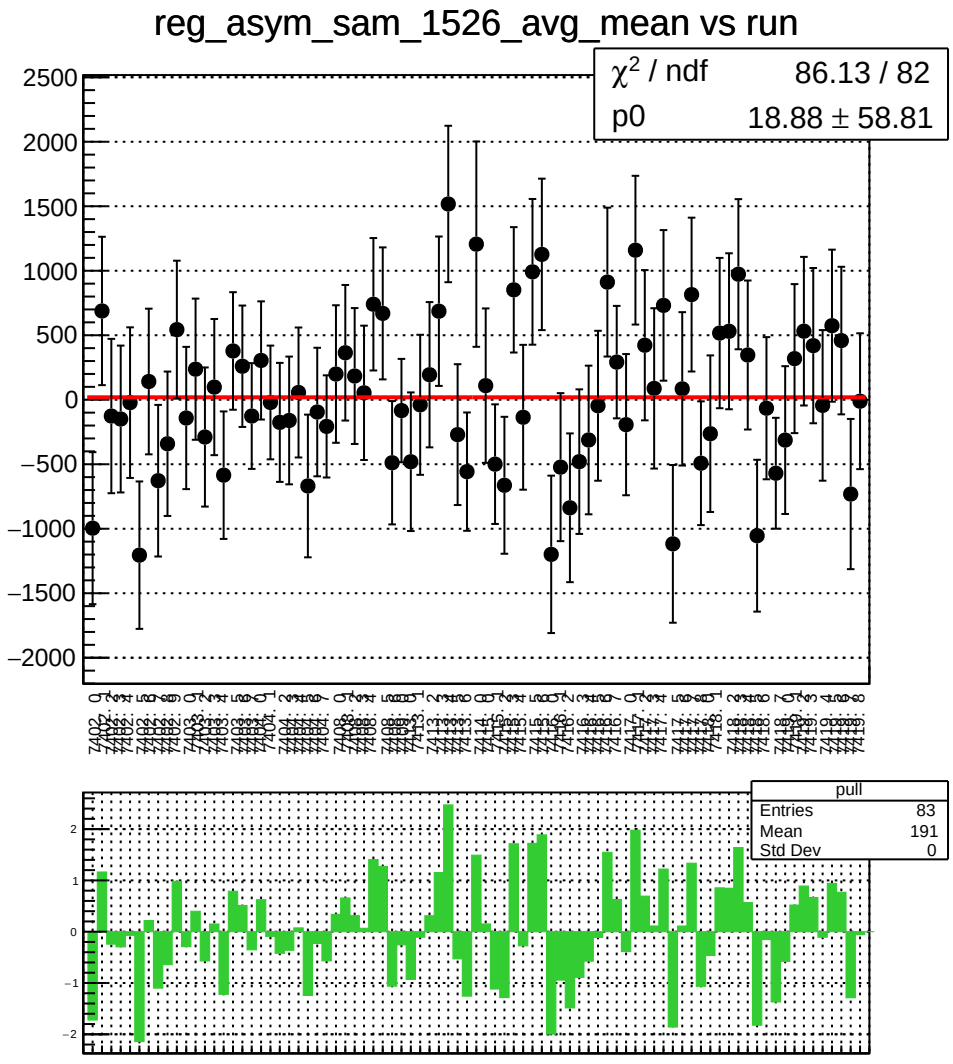

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.716e+04 / 82
p0 152.3 ± 0.1234
240
220
200
180
160
140
120
100

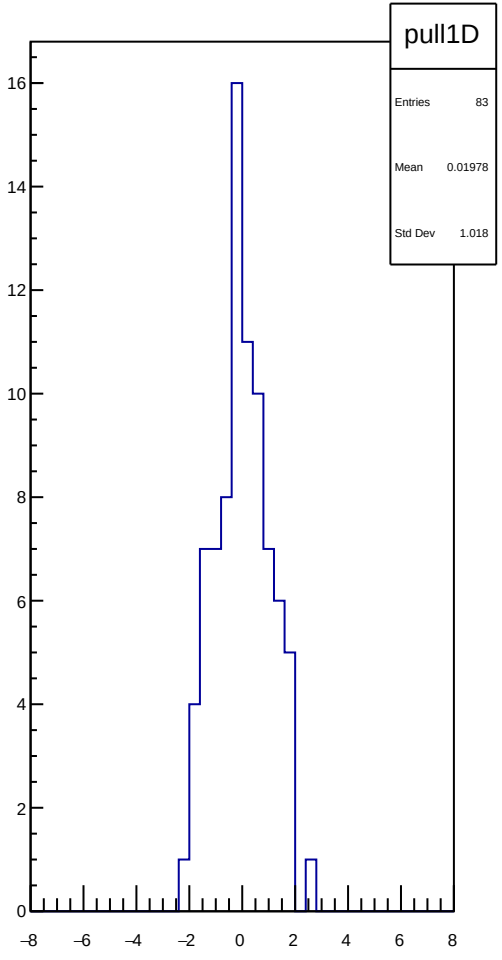
asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run

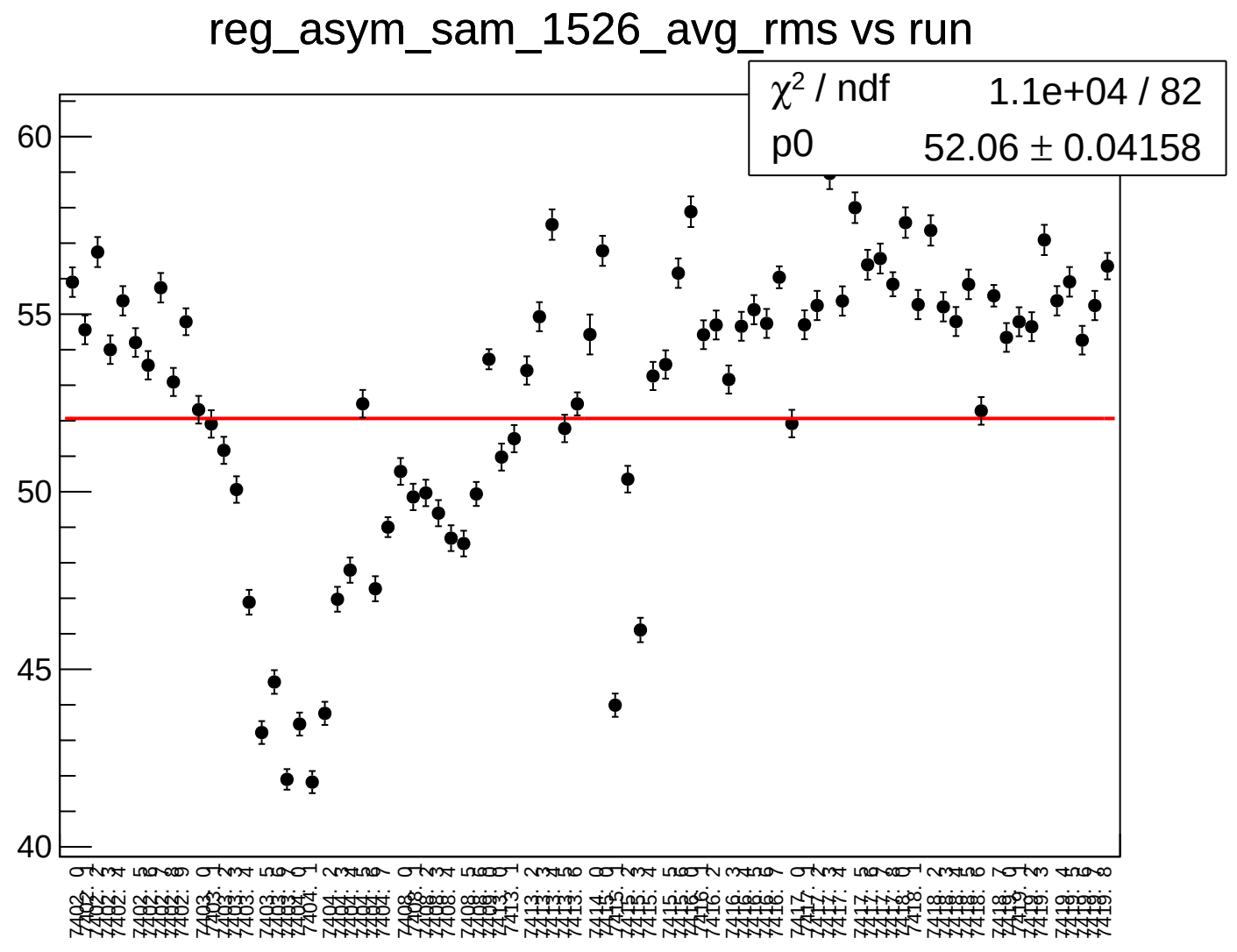


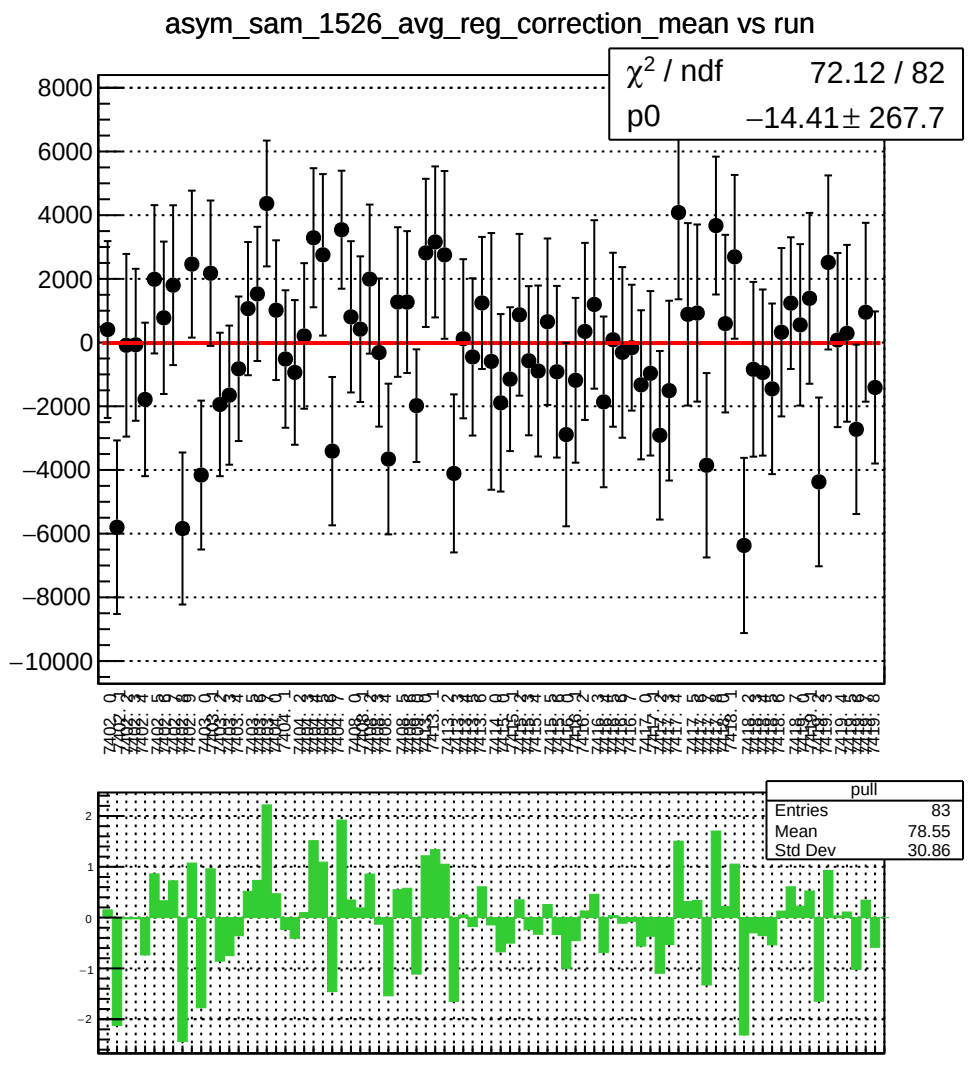


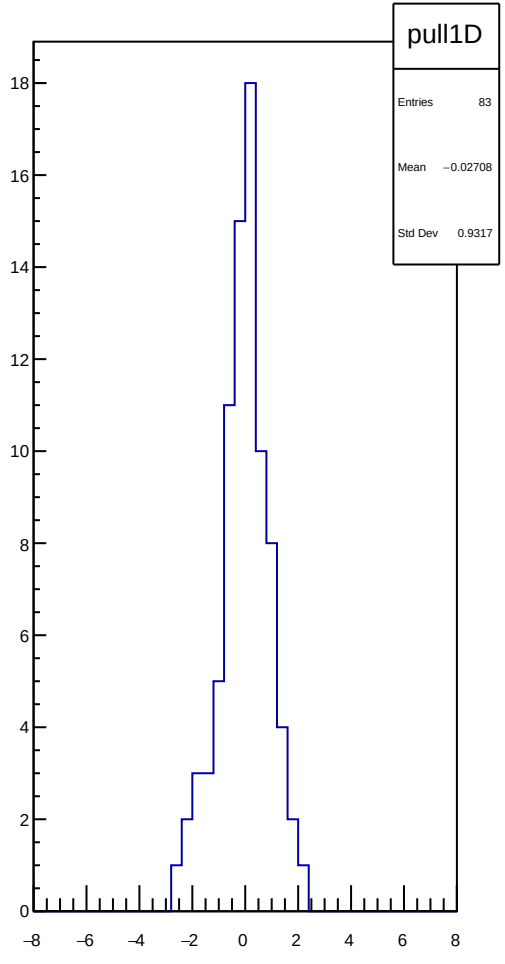

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.602e+05 / 82
p0 9.007e−12 ± 8.517e−15
70
60
50
40
30
20
10

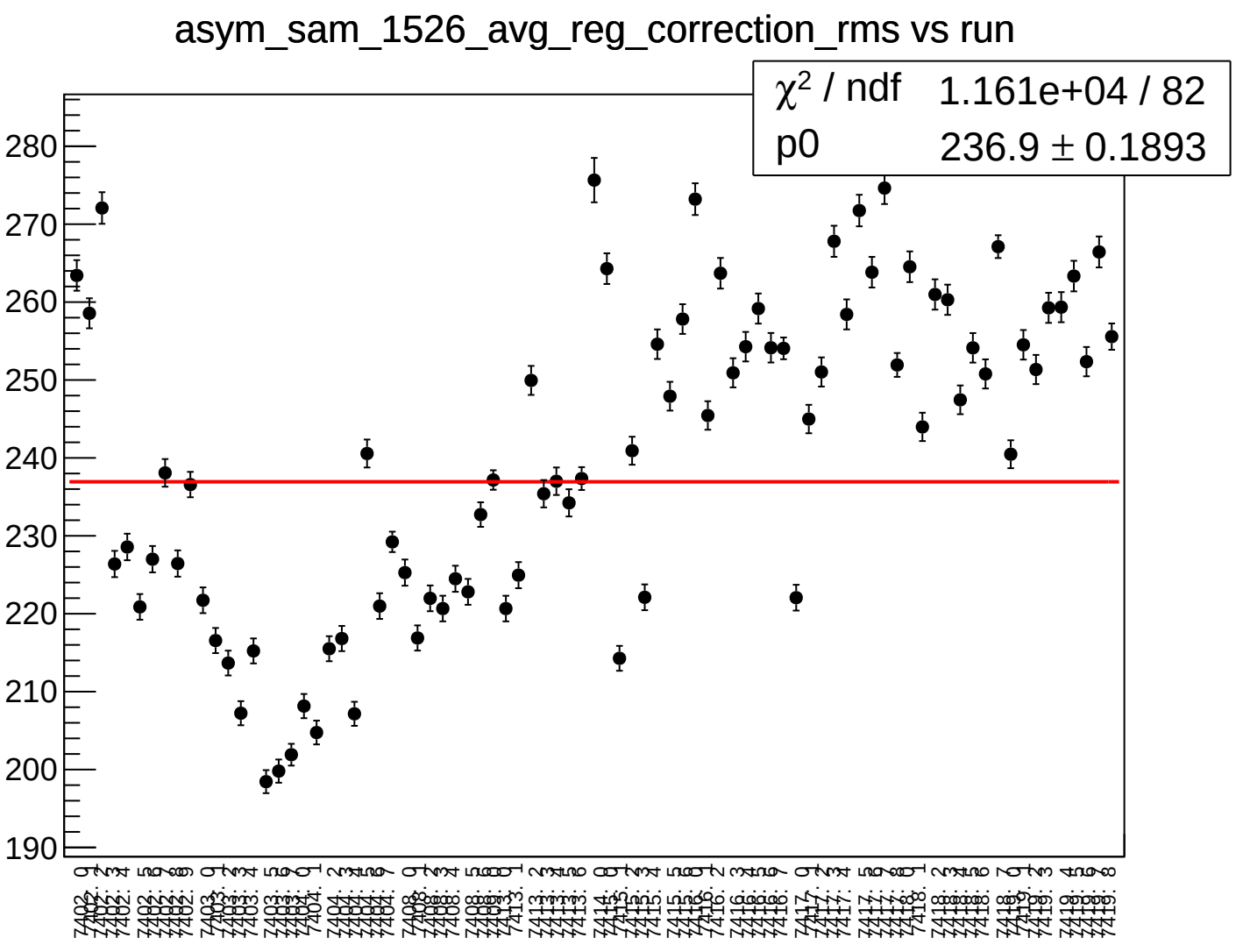

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 86.13 / 82
p0 18.88 ± 58.81
pull
Entries 83
Mean 191
Std Dev 0

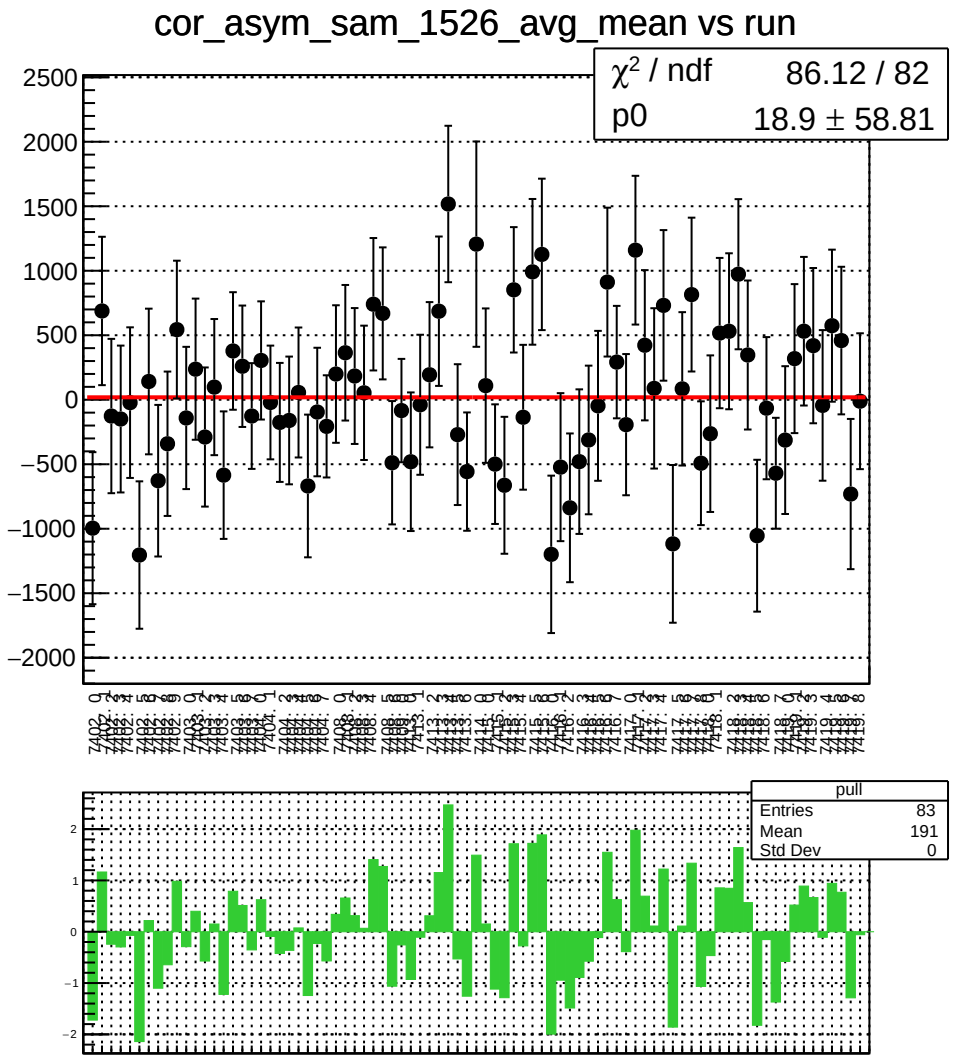

pull1D
Entries 83
Mean 0.01978
Std Dev 1.018

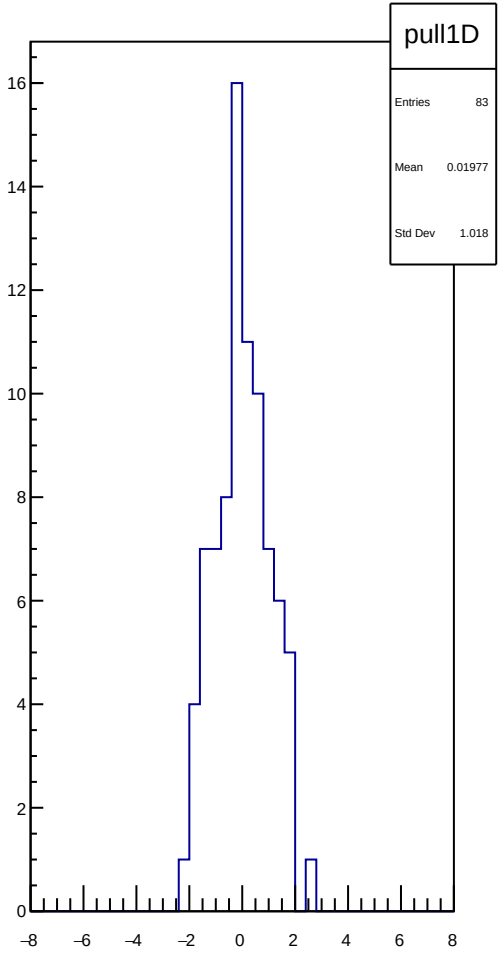

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 1.1e+04 / 82
p0 52.06 ± 0.04158
60
55
50
45
40

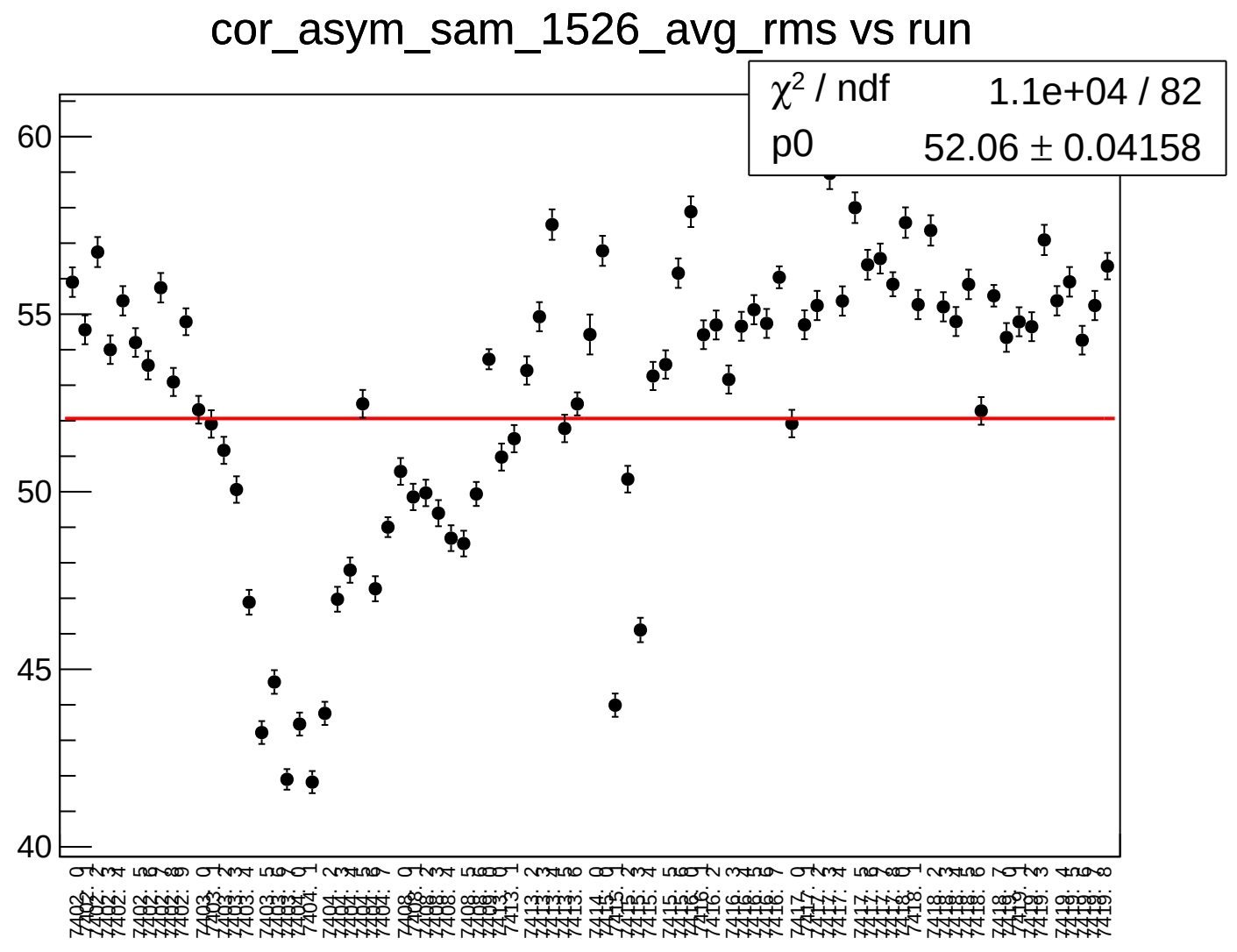

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 72.12 / 82
p0 −14.41± 267.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 83
Mean 78.55
Std Dev 30.86
2
1
0
−1
−2

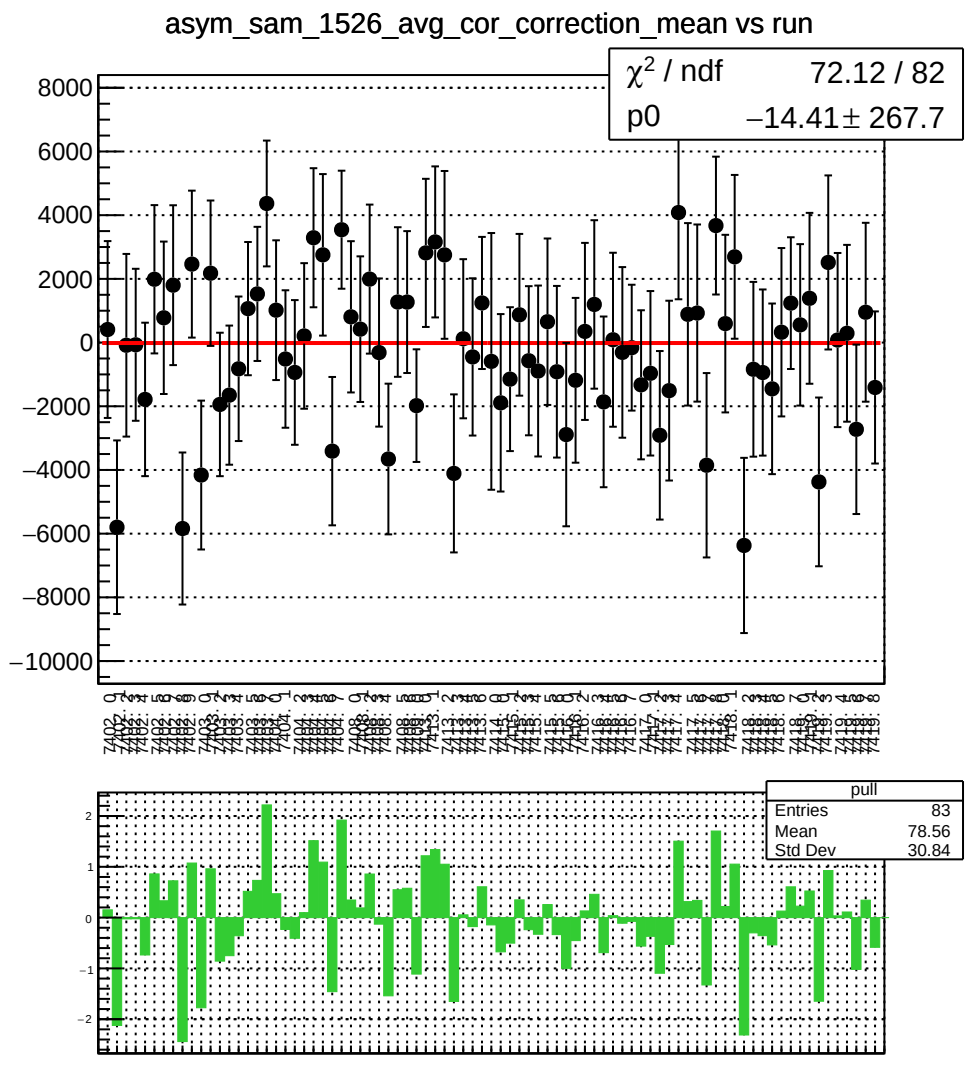

pull1D
Entries 83
Mean −0.02708
Std Dev 0.9317
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

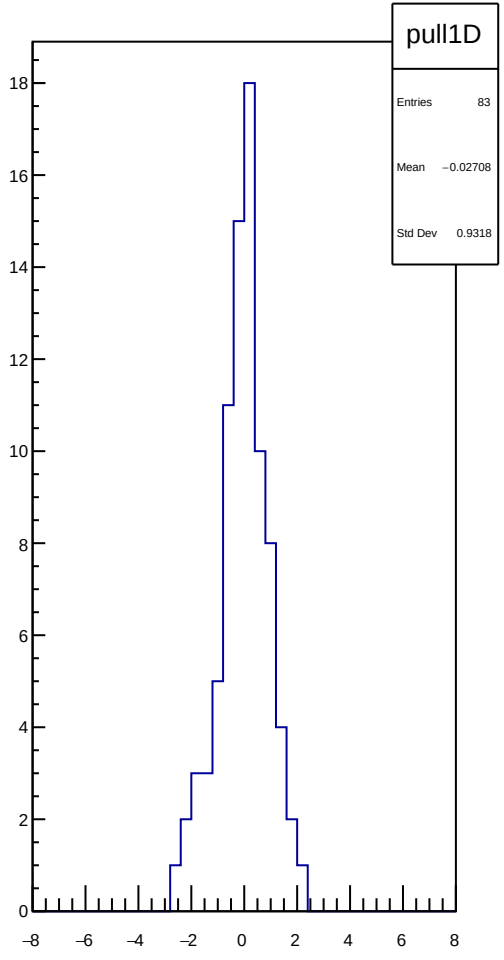

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1.161e+04 / 82
p0 236.9 ± 0.1893
280
270
260
250
240
230
220
210
200
190

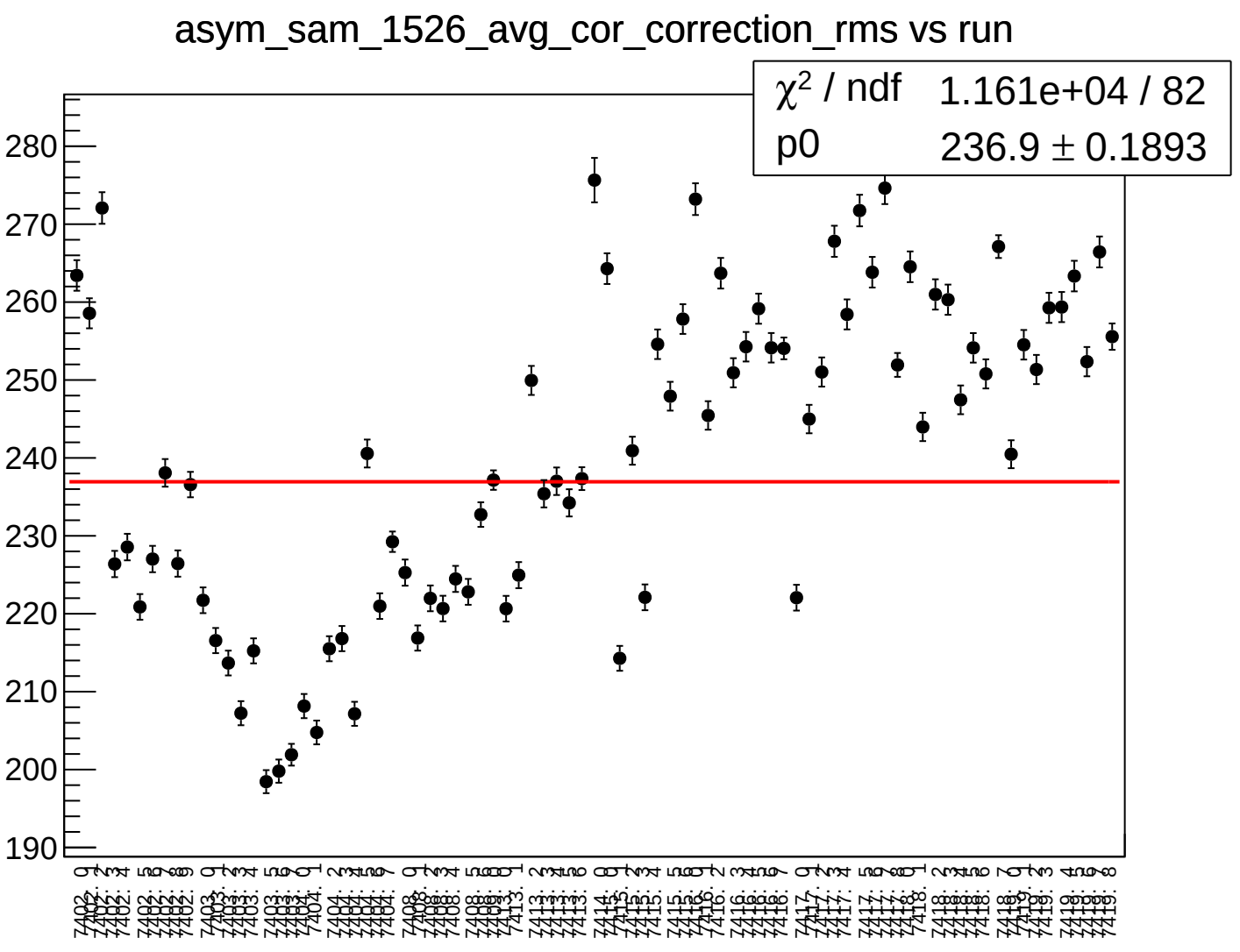

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 86.12 / 82
p0 18.9 ± 58.81
pull
Entries 83
Mean 191
Std Dev 0

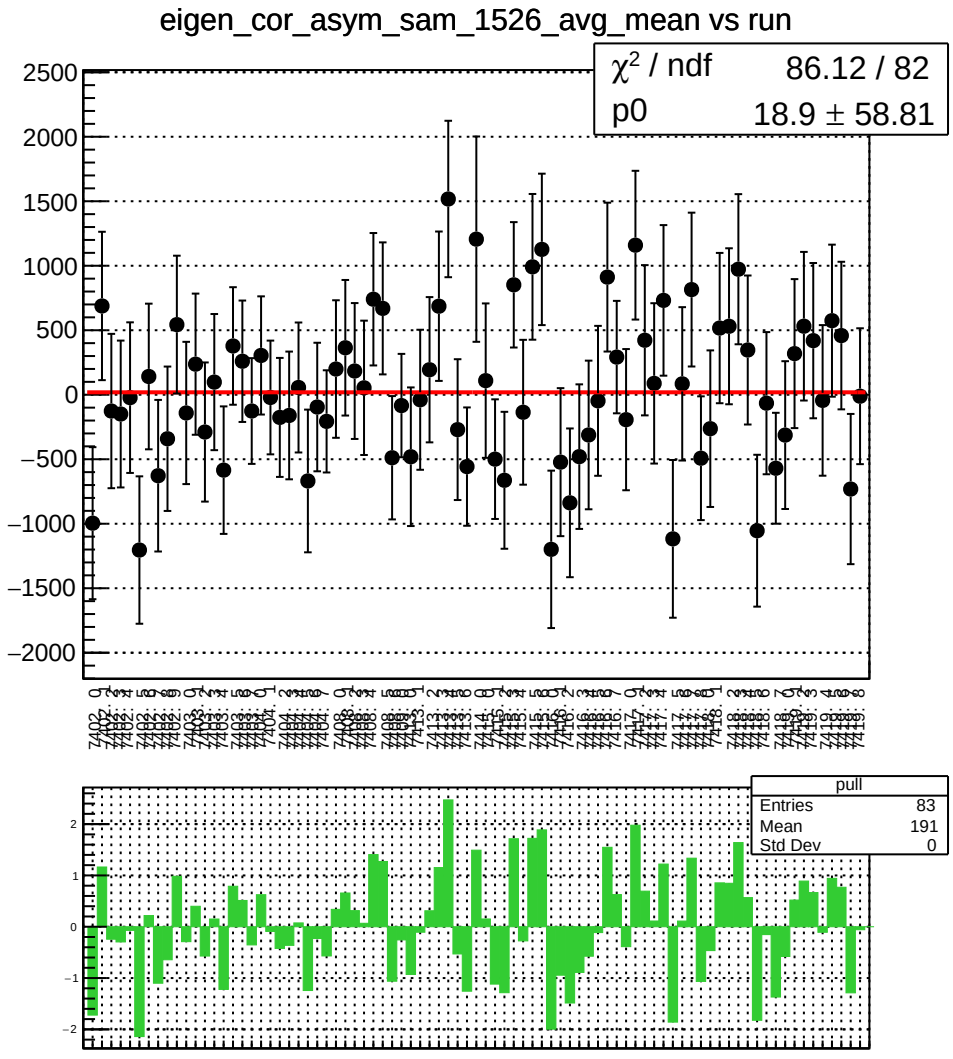

pull1D
Entries 83
Mean 0.01977
Std Dev 1.018

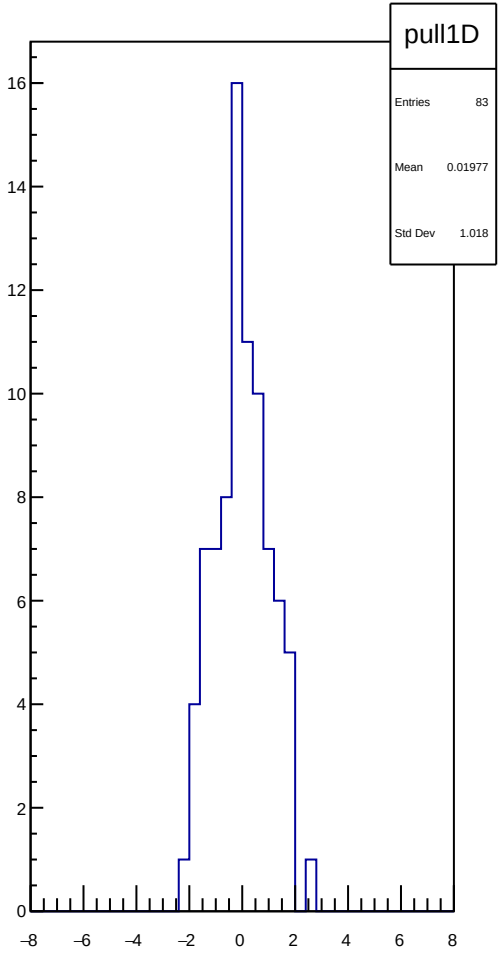

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.1e+04 / 82
p0 52.06 ± 0.04158
60
55
50
45
40

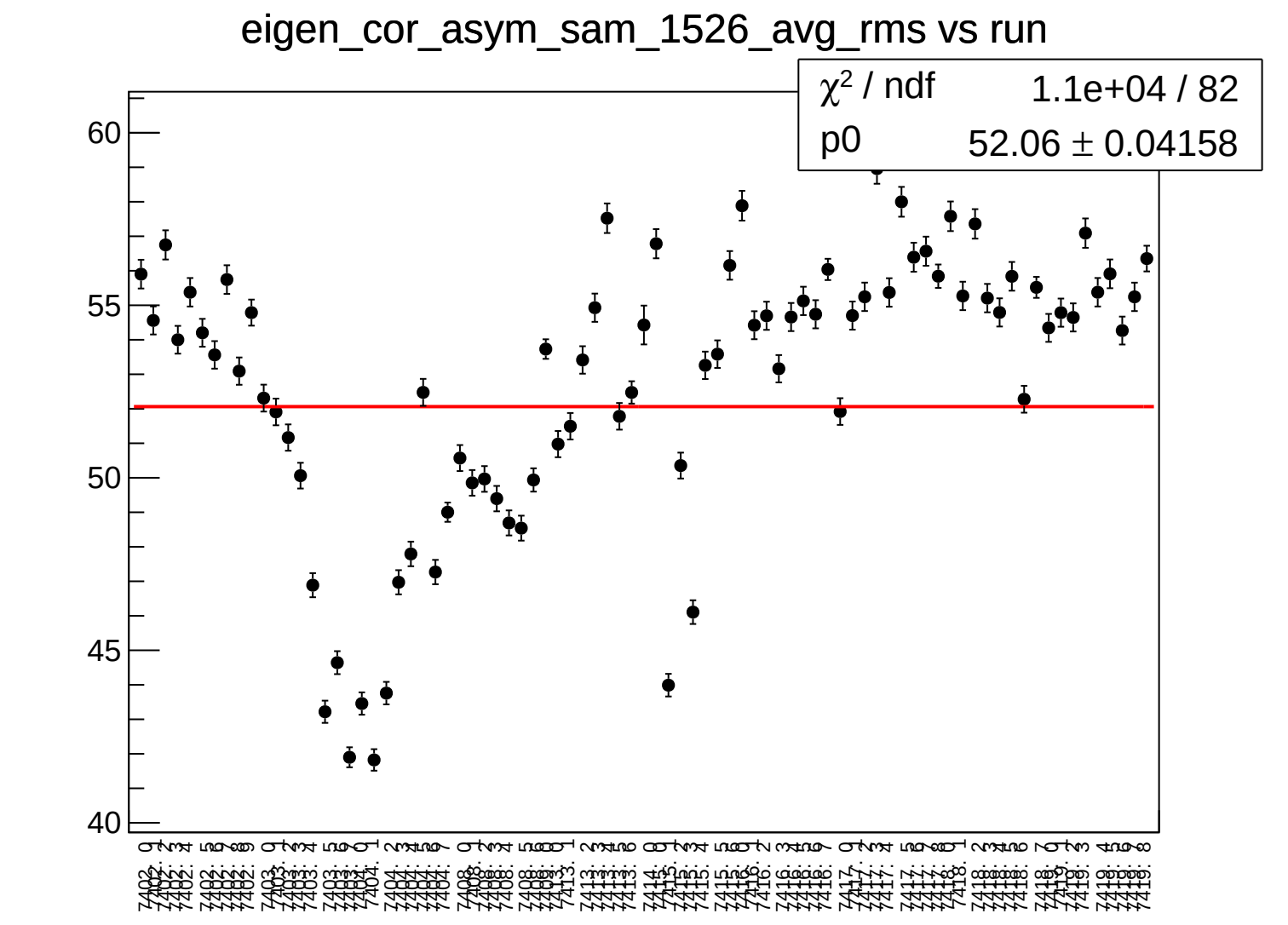

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 72.12 / 82
p0 −14.41± 267.7
pull
Entries 83
Mean 78.56
Std Dev 30.84

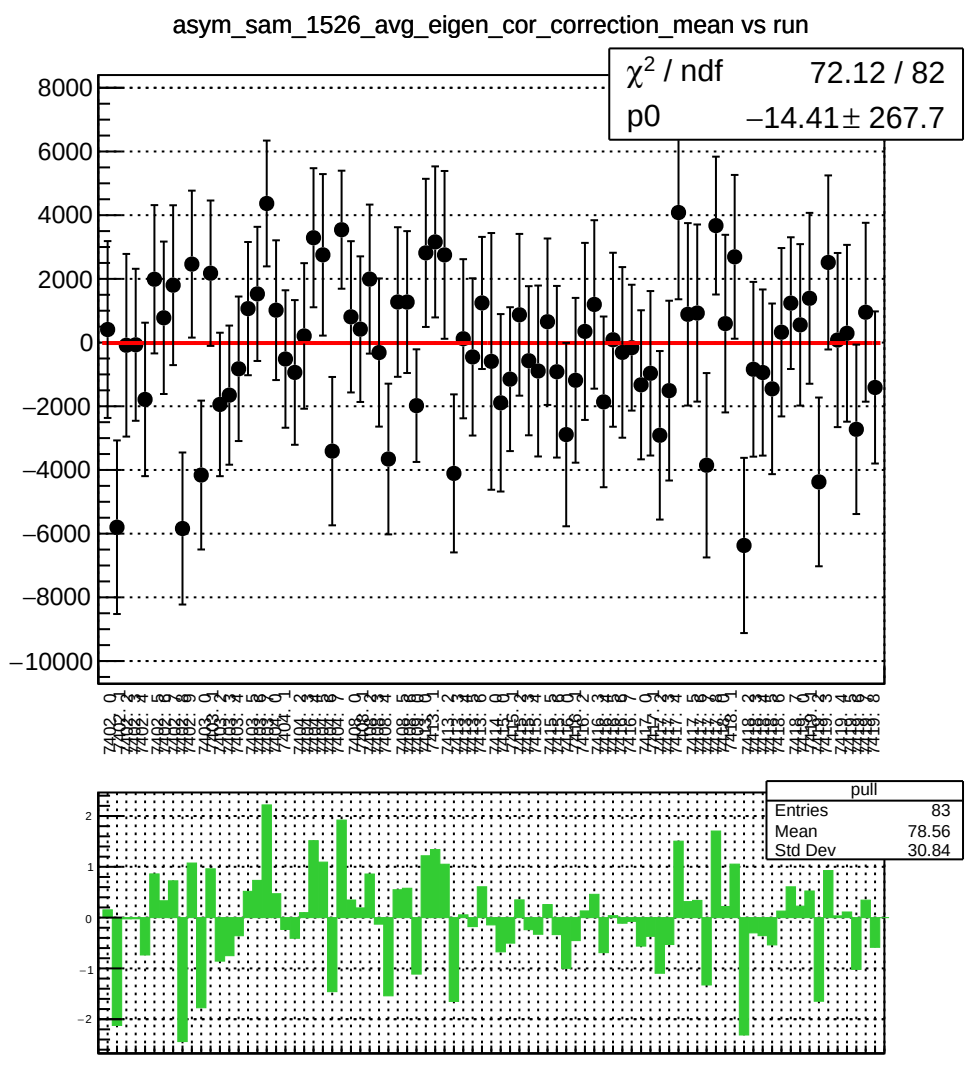

pull1D
Entries 83
Mean −0.02708
Std Dev 0.9318

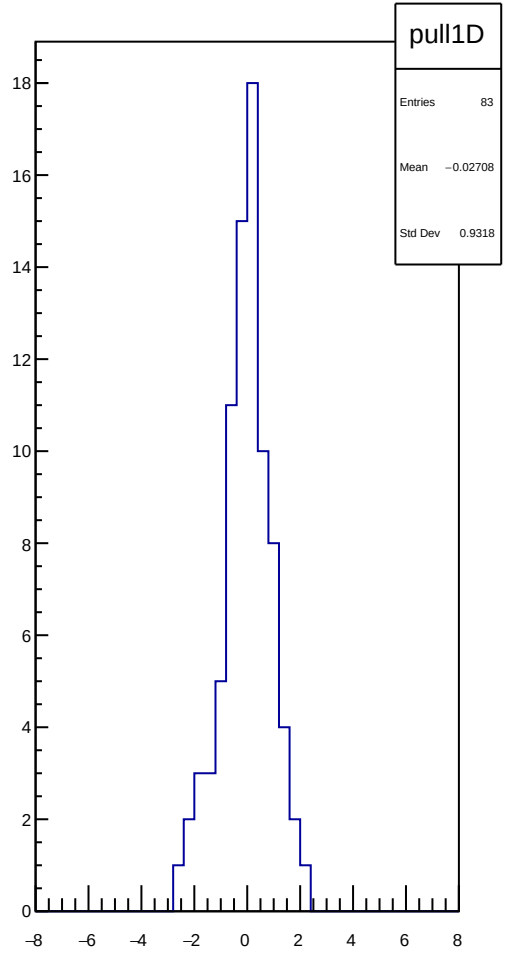

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1.161e+04 / 82
p0 236.9 ± 0.1893
280
270
260
250
240
230
220
210
200
190

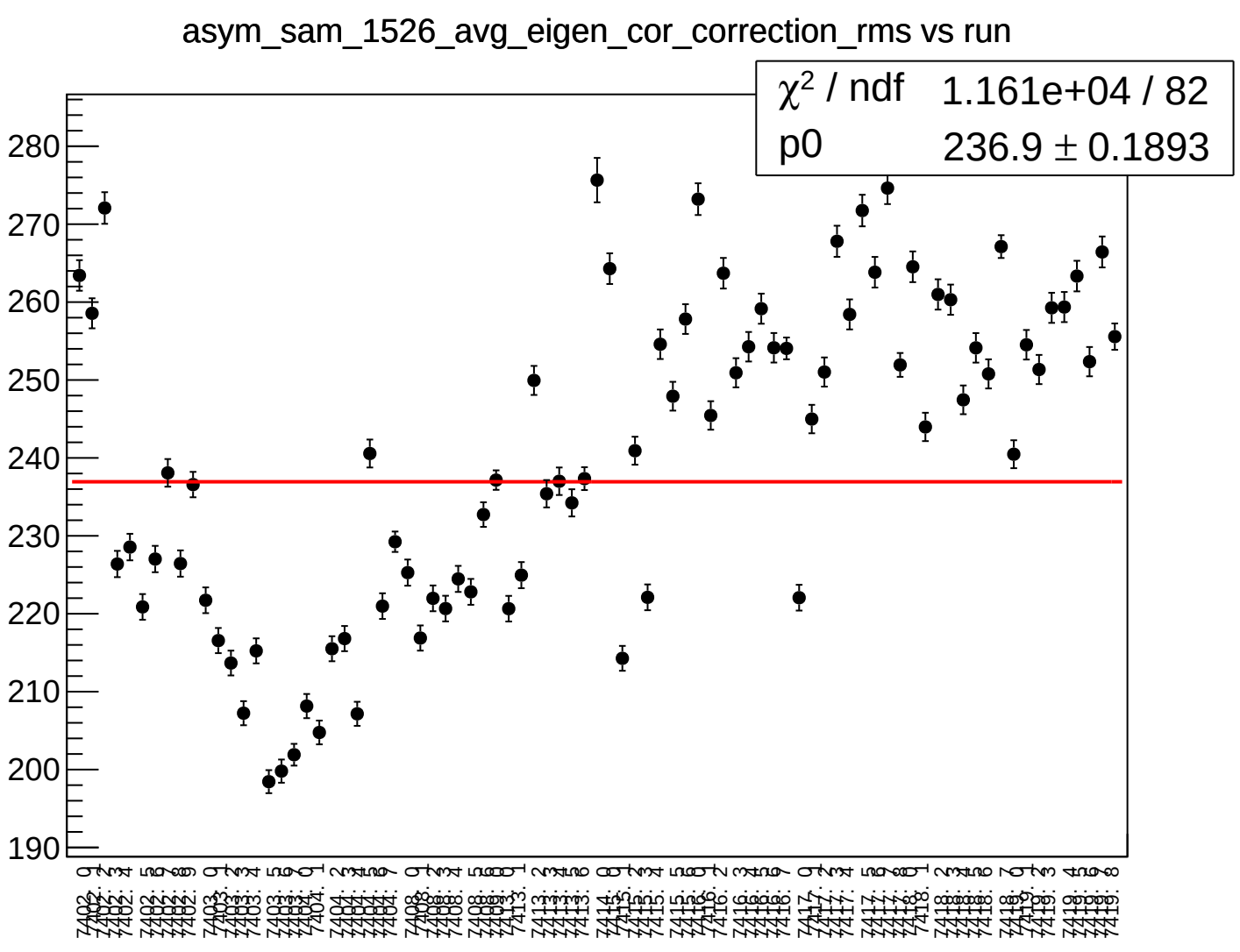

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 86.12 / 82
p0 18.9 ± 58.81
pull
Entries 83
Mean 191
Std Dev 0

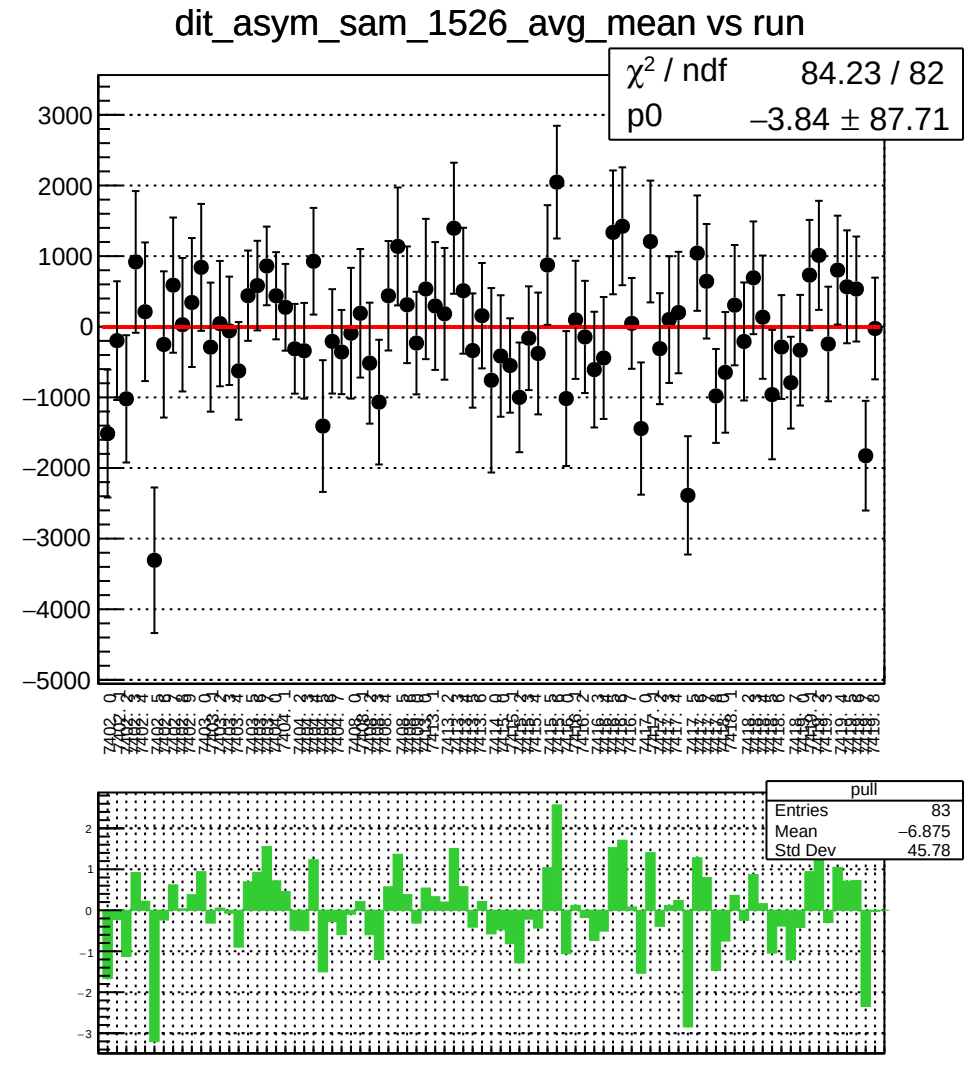

pull1D
Entries 83
Mean 0.01977
Std Dev 1.018

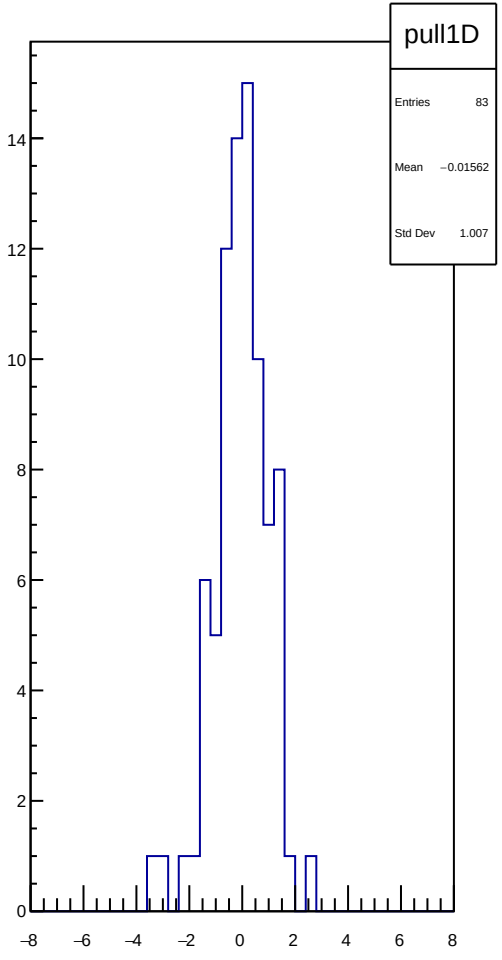

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.1e+04 / 82
p0 52.06 ± 0.04158
60
55
50
45
40

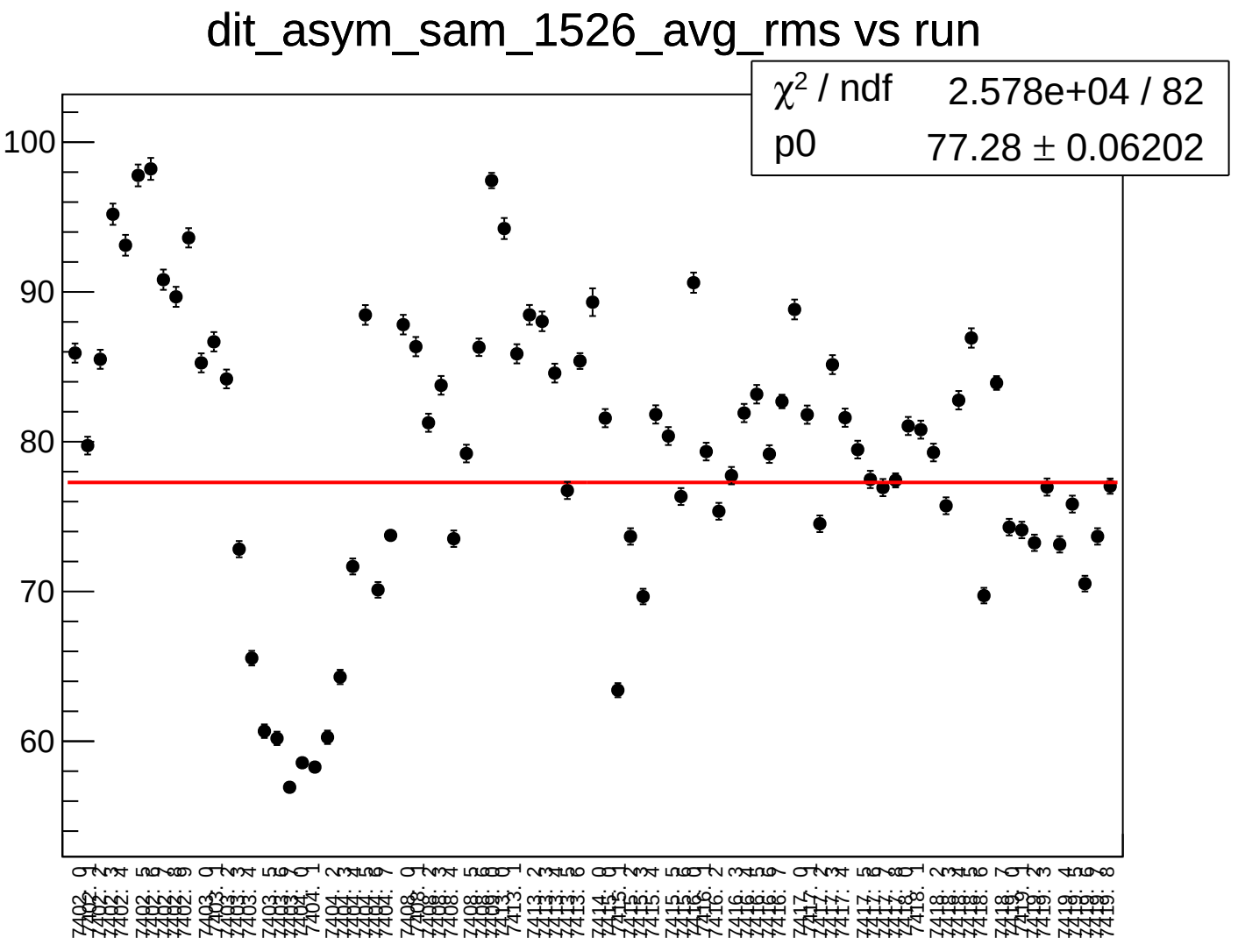

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.12 / 82
p0 −14.41± 267.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 83
Mean 78.56
Std Dev 30.84
2
1
0
−1
−2

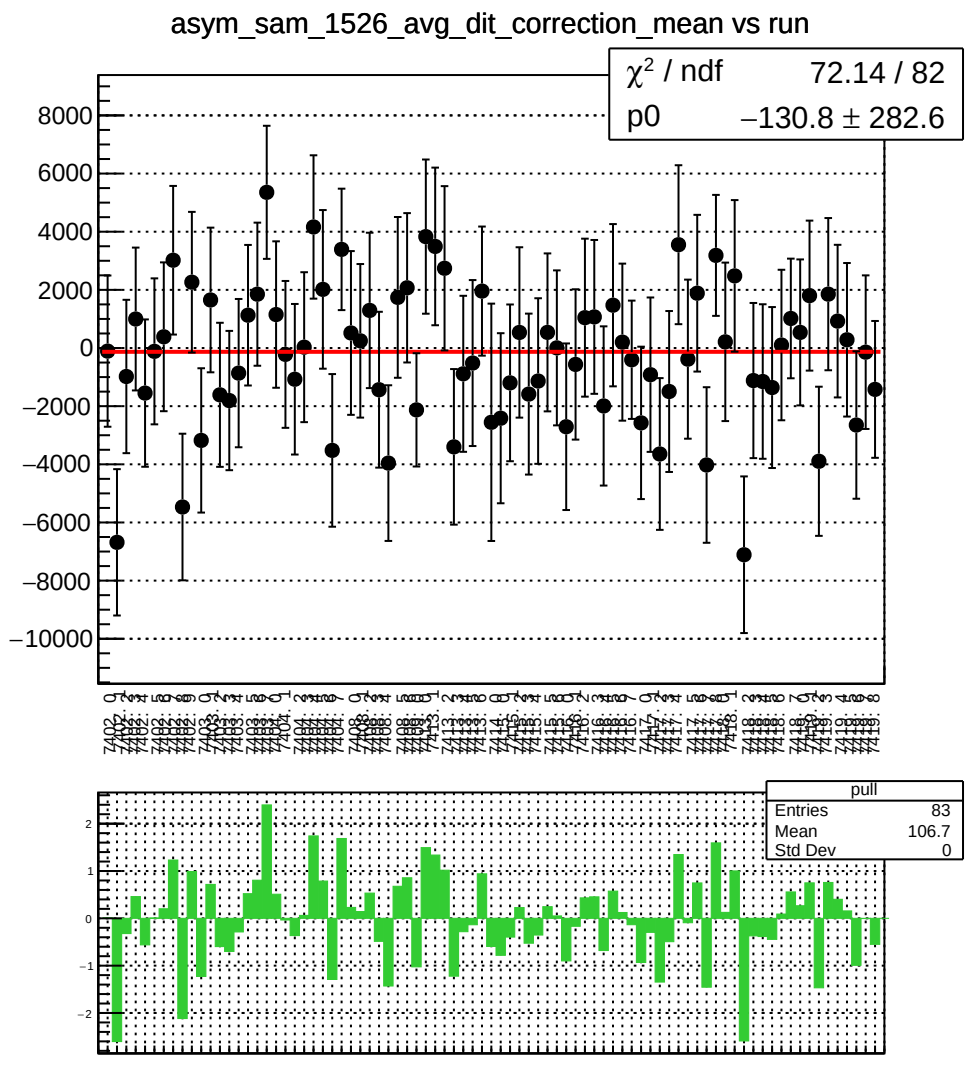

pull1D
Entries 83
Mean −0.02708
Std Dev 0.9318
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

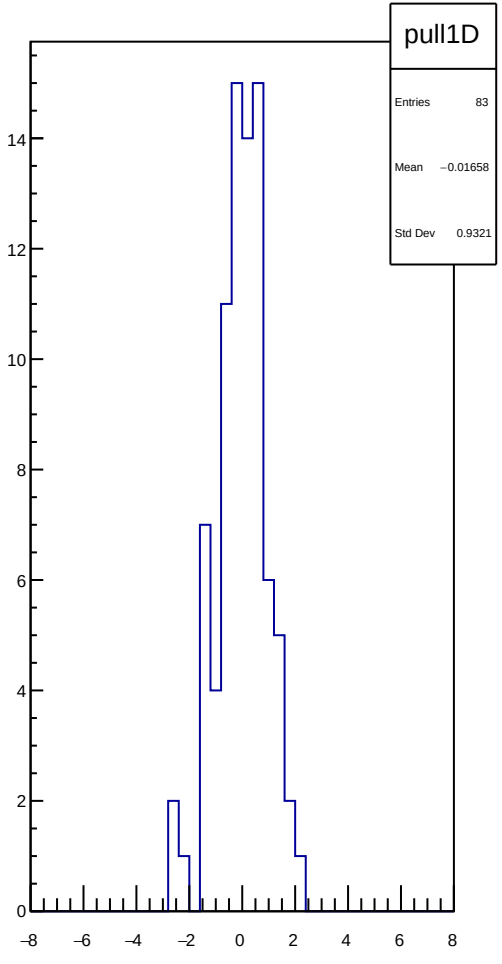

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.161e+04 / 82
p0 236.9 ± 0.1893
280
270
260
250
240
230
220
210
200
190

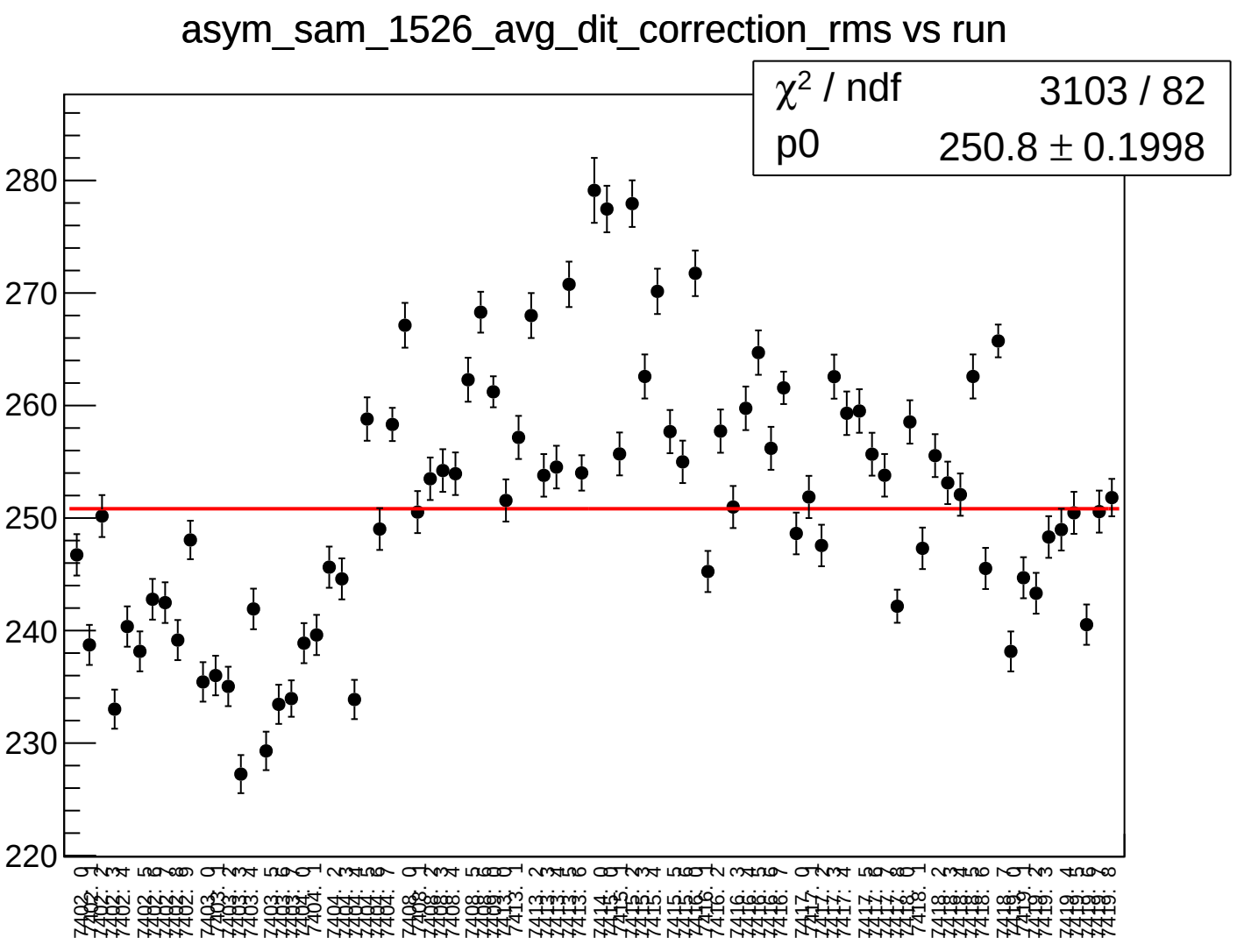

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 84.23 / 82
p0 −3.84 ± 87.71
pull
Entries 83
Mean −6.875
Std Dev 45.78

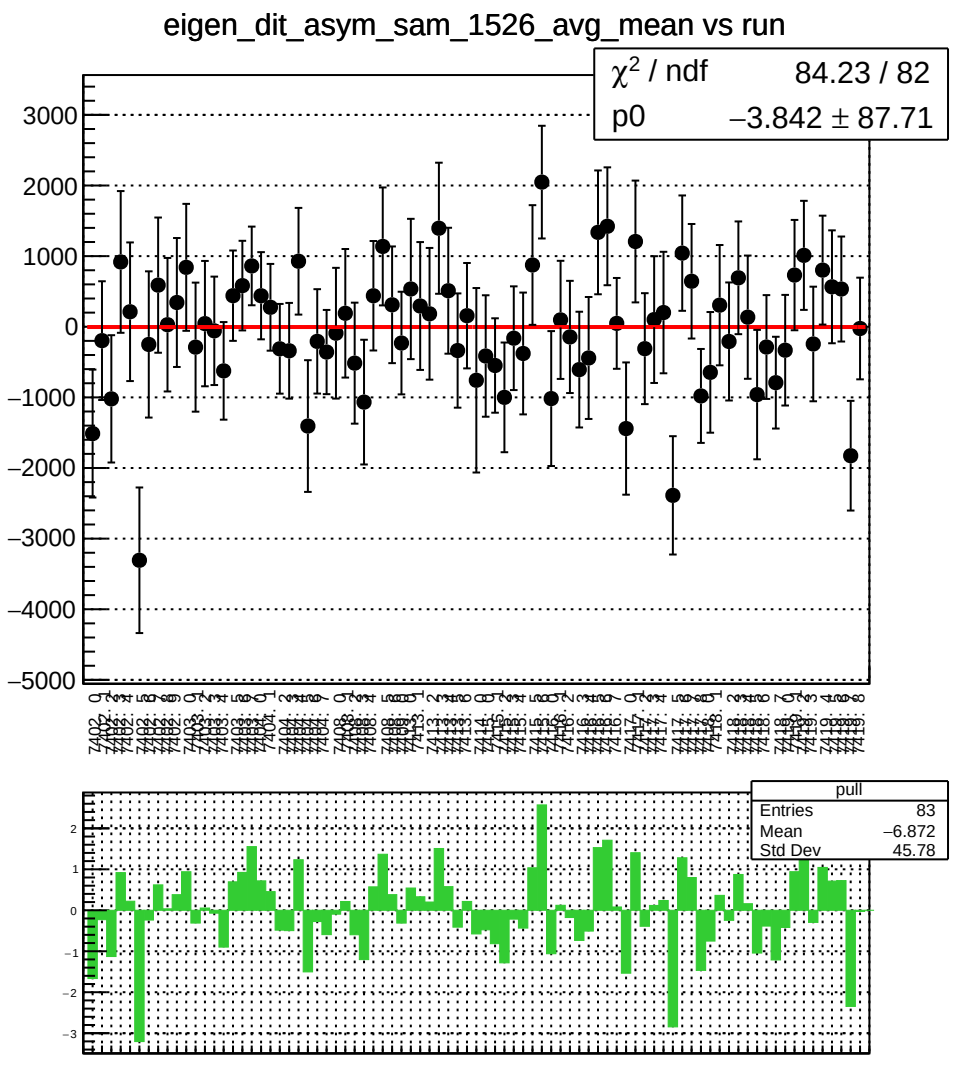

pull1D
Entries 83
Mean −0.01562
Std Dev 1.007

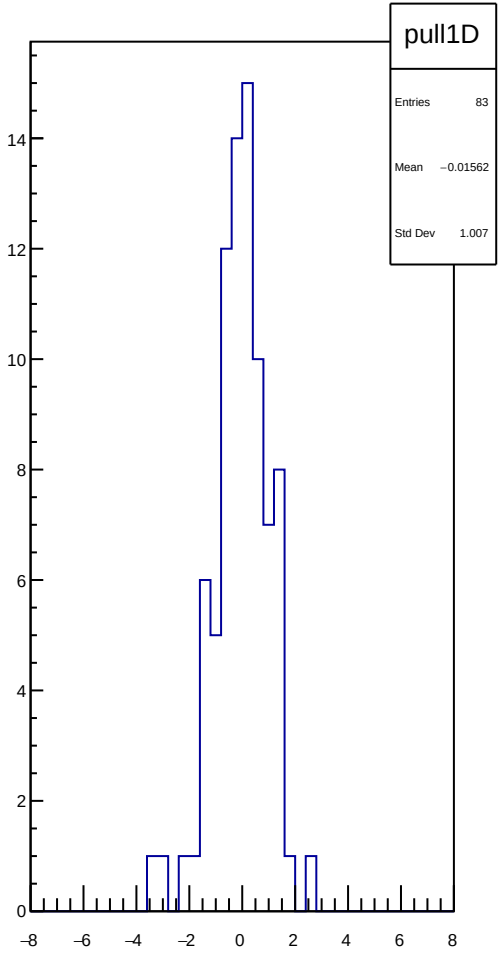

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.578e+04 / 82
p0 77.28 ± 0.06202
100
90
80
70
60

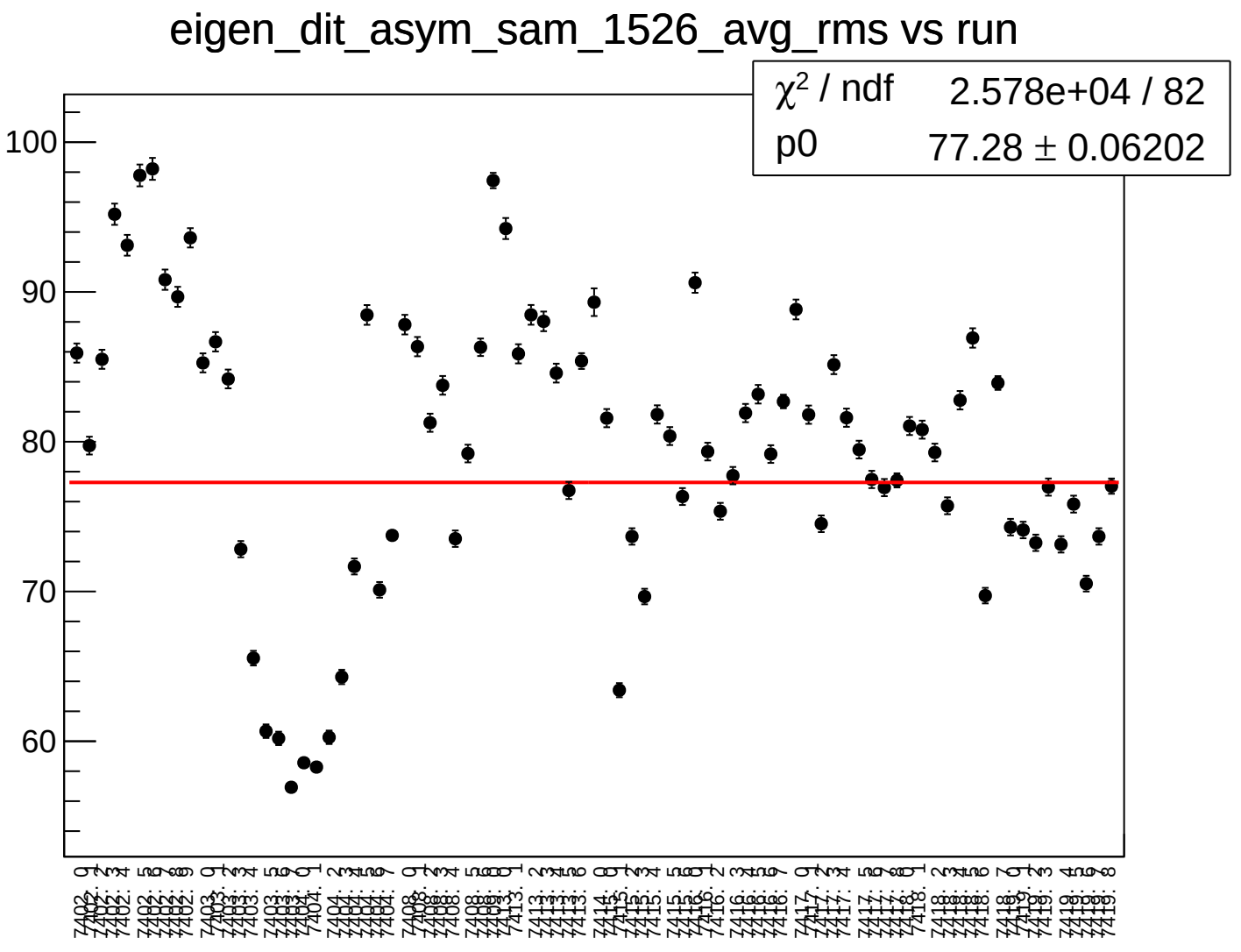

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 72.14 / 82
p0 −130.8 ± 282.6
pull
Entries 83
Mean 106.7
Std Dev 0

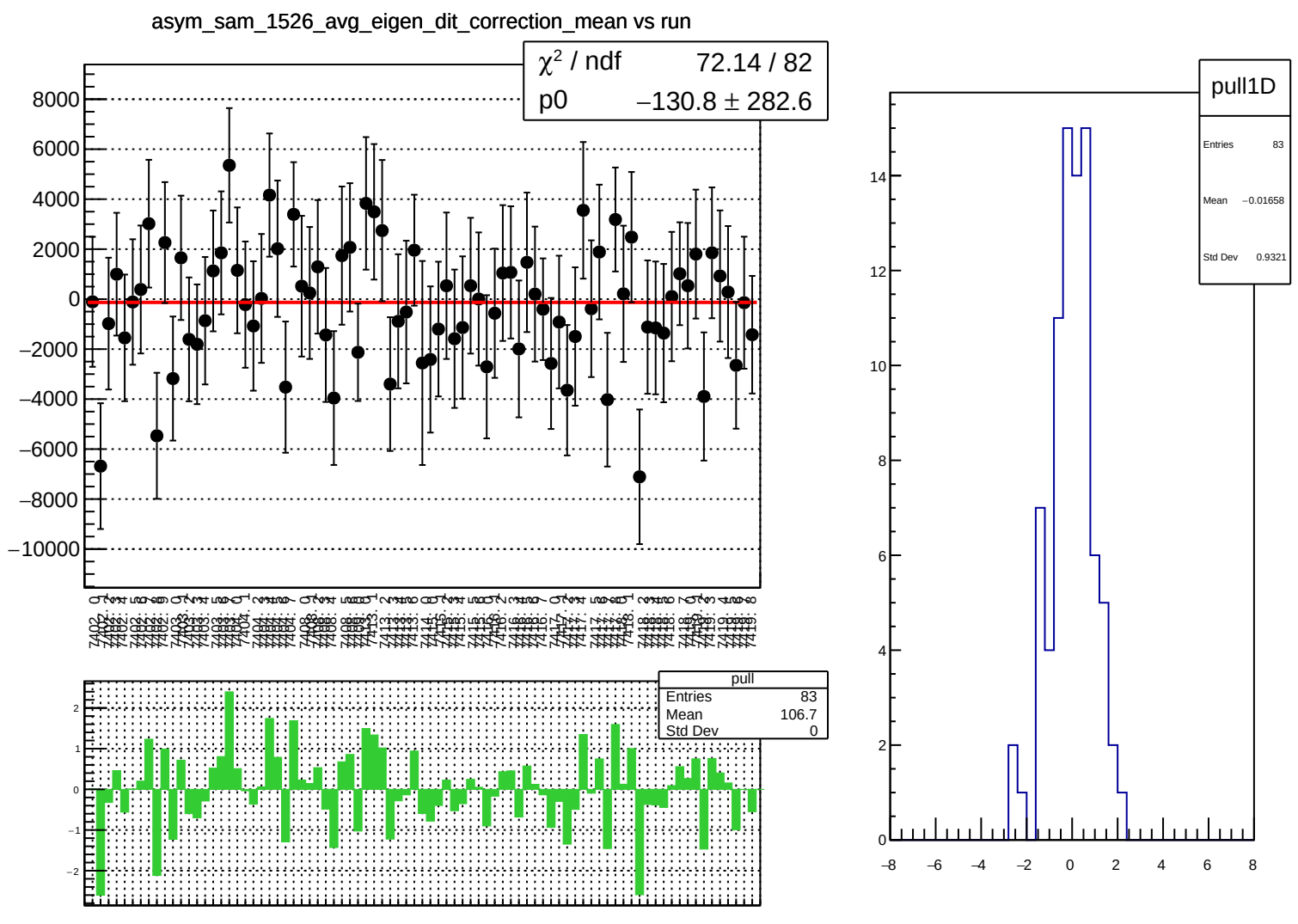

pull1D
Entries 83
Mean −0.01658
Std Dev 0.9321

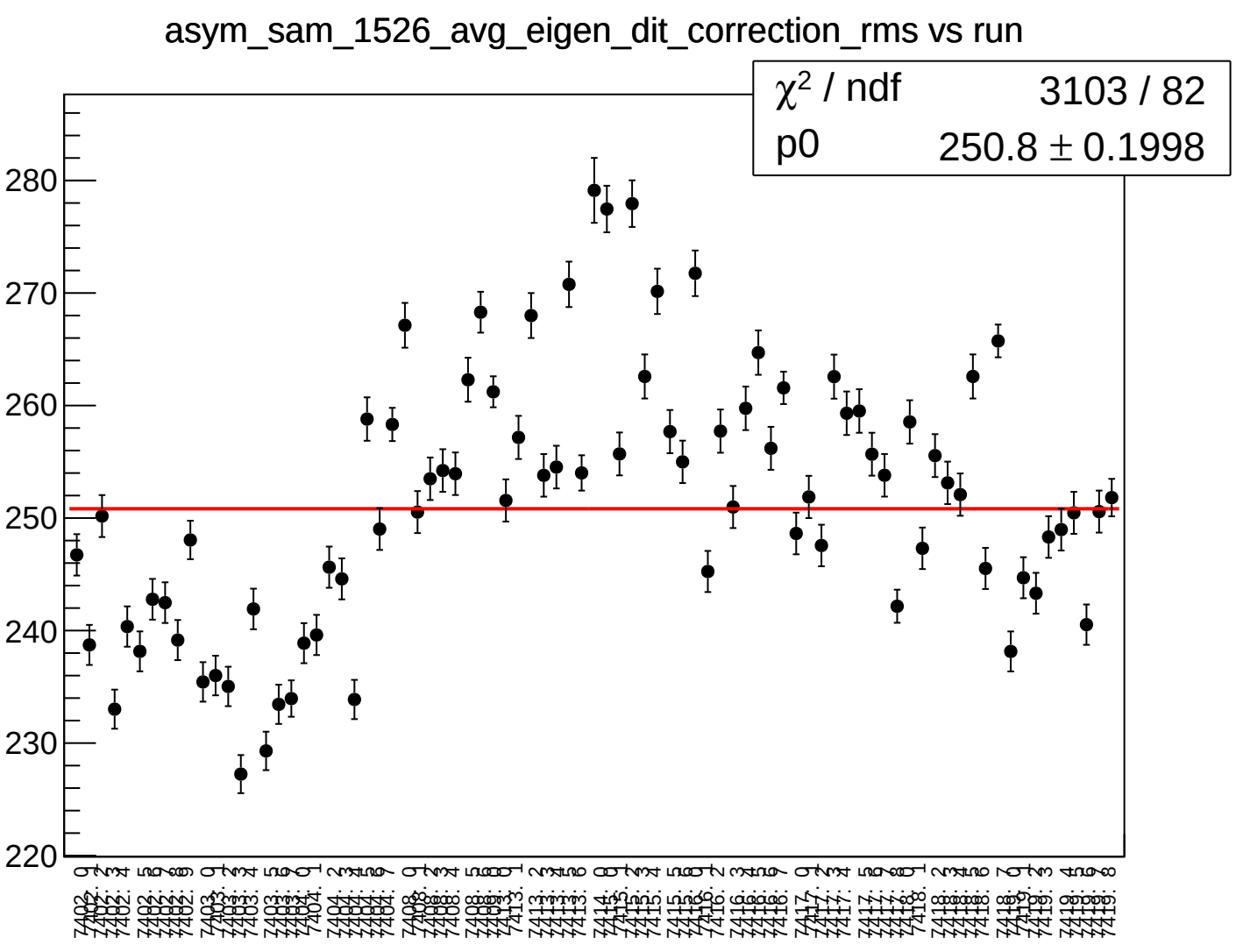

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3103 / 82
p0 250.8 ± 0.1998
280
270
260
250
240
230
220

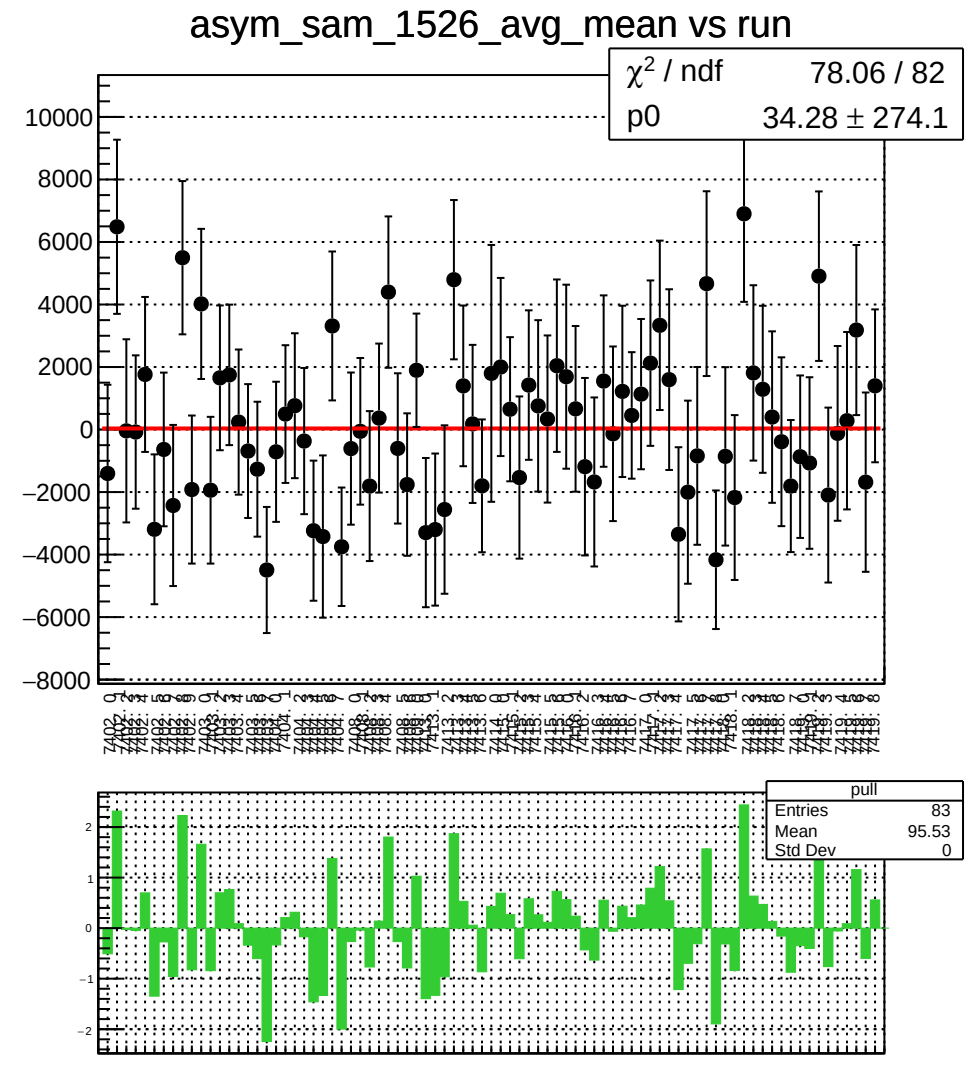

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 84.23 / 82
p0 −3.842 ± 87.71
pull
Entries 83
Mean −6.872
Std Dev 45.78

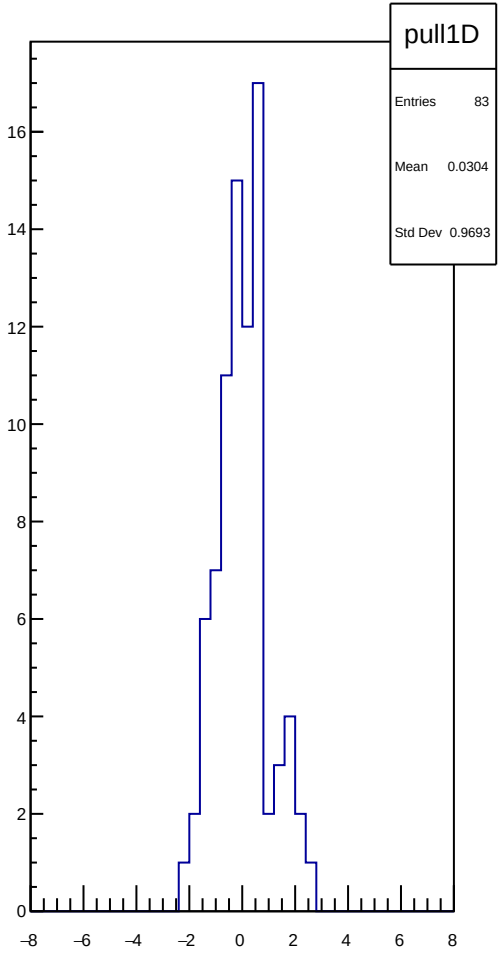

pull1D
Entries 83
Mean −0.01562
Std Dev 1.007

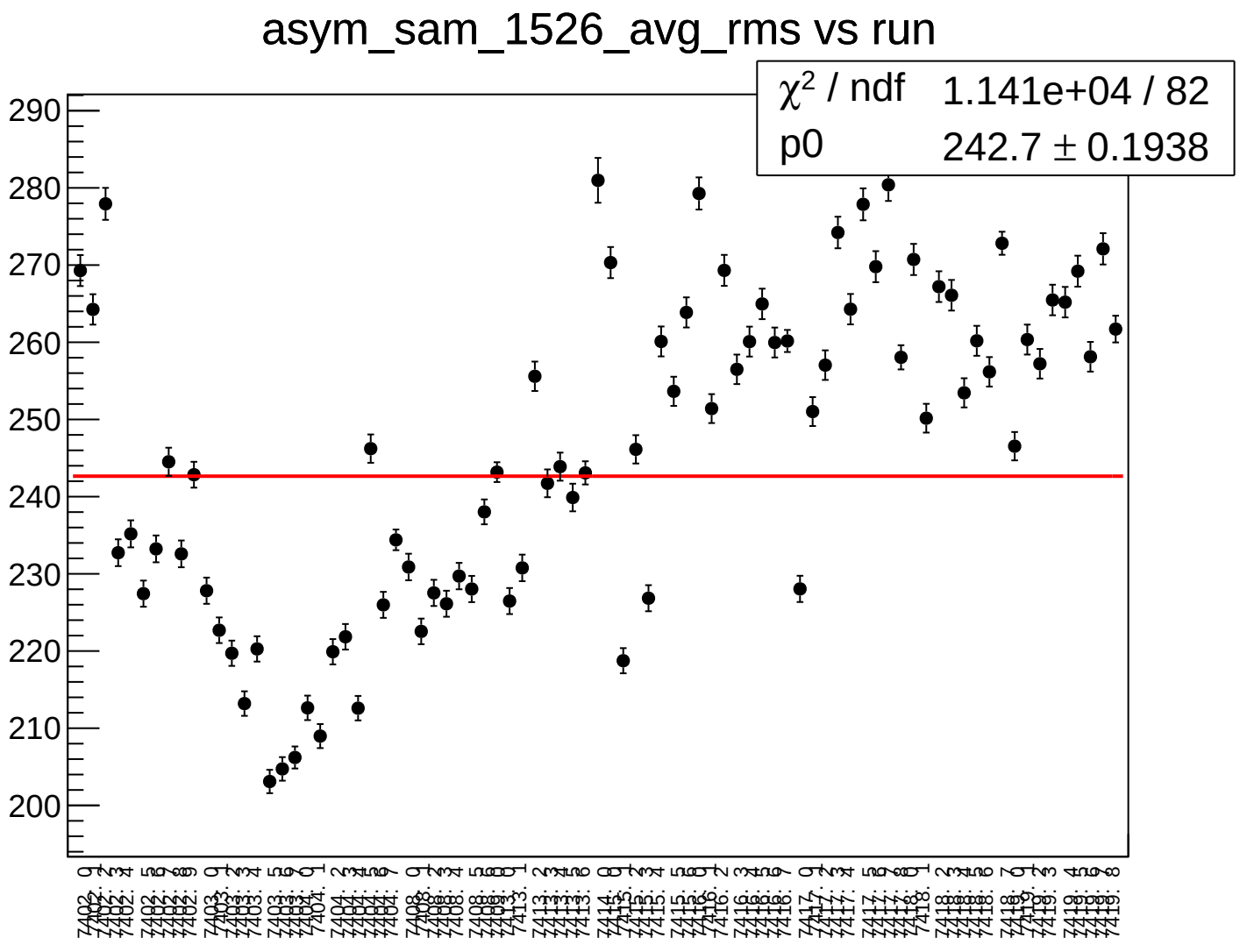

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.578e+04 / 82
p0 77.28 ± 0.06202
100
90
80
70
60

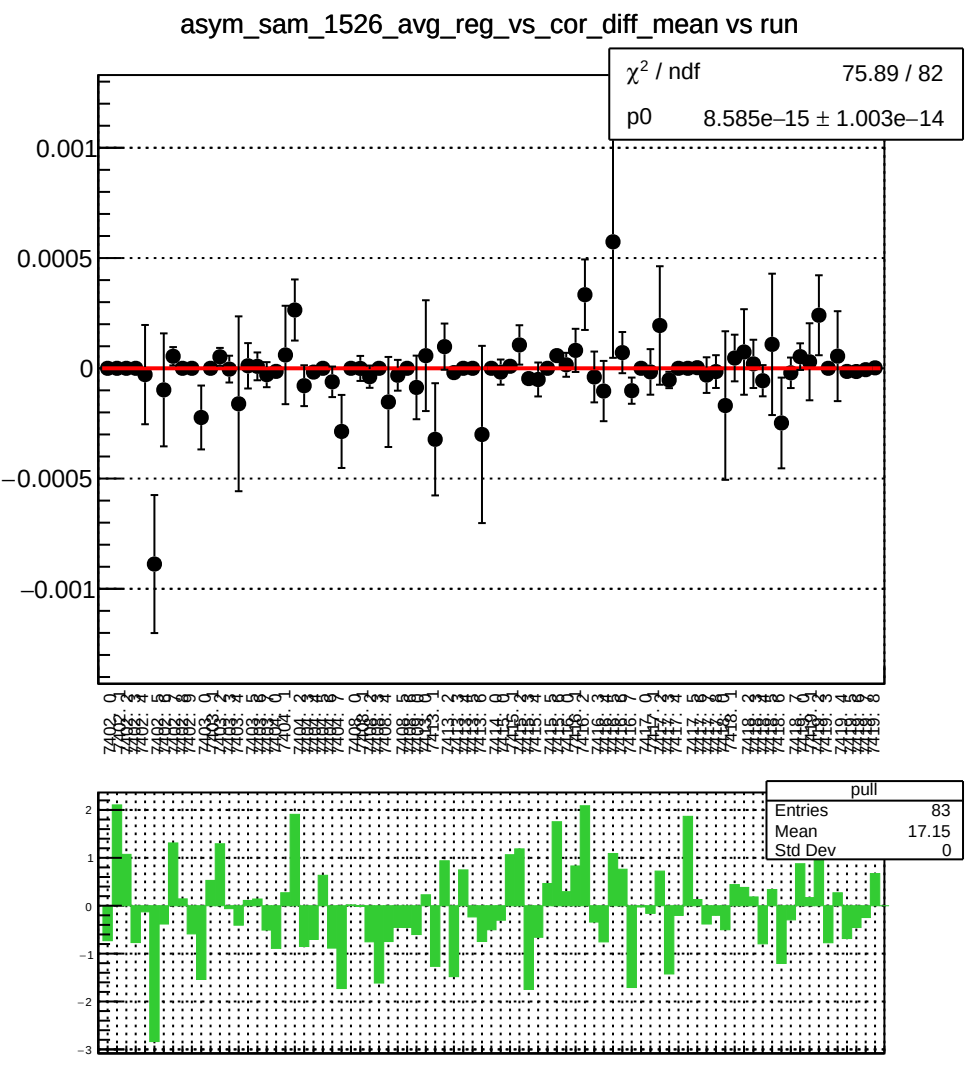

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 72.14 / 82
p0 −130.8 ± 282.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 83
Mean 106.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01658
Std Dev 0.9321
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

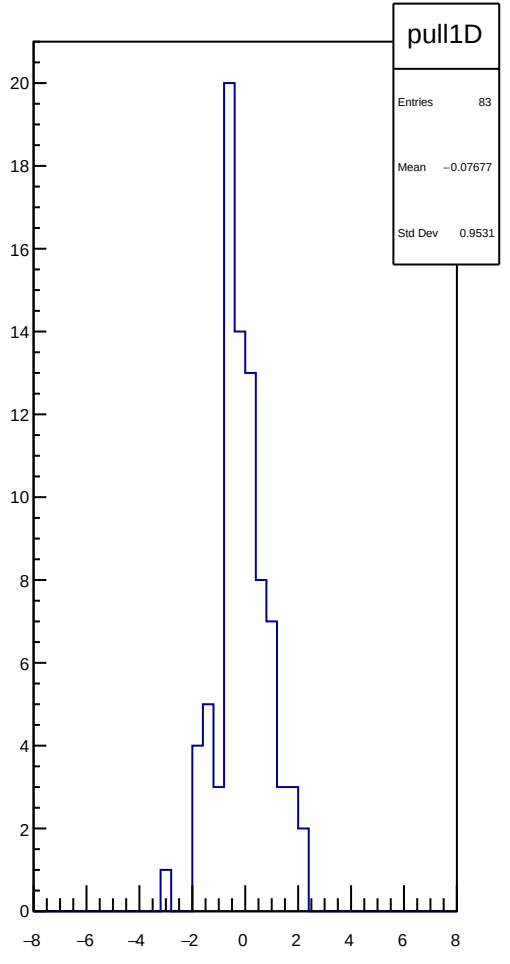

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3103 / 82
p0 250.8 ± 0.1998
280
270
260
250
240
230
220

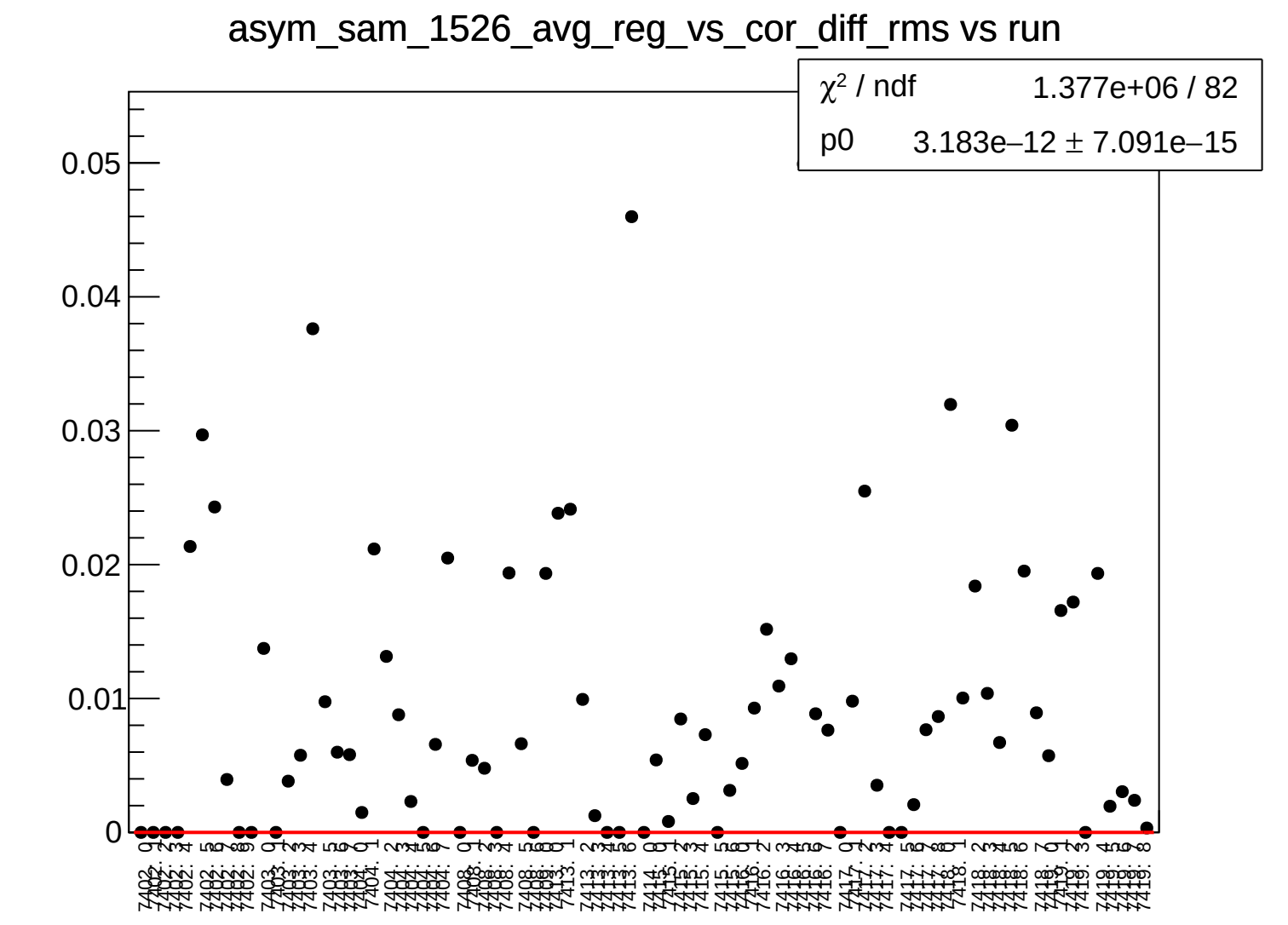

asym_sam_1526_avg_mean vs run
χ² / ndf 78.06 / 82
p0 34.28 ± 274.1
pull
Entries 83
Mean 95.53
Std Dev 0

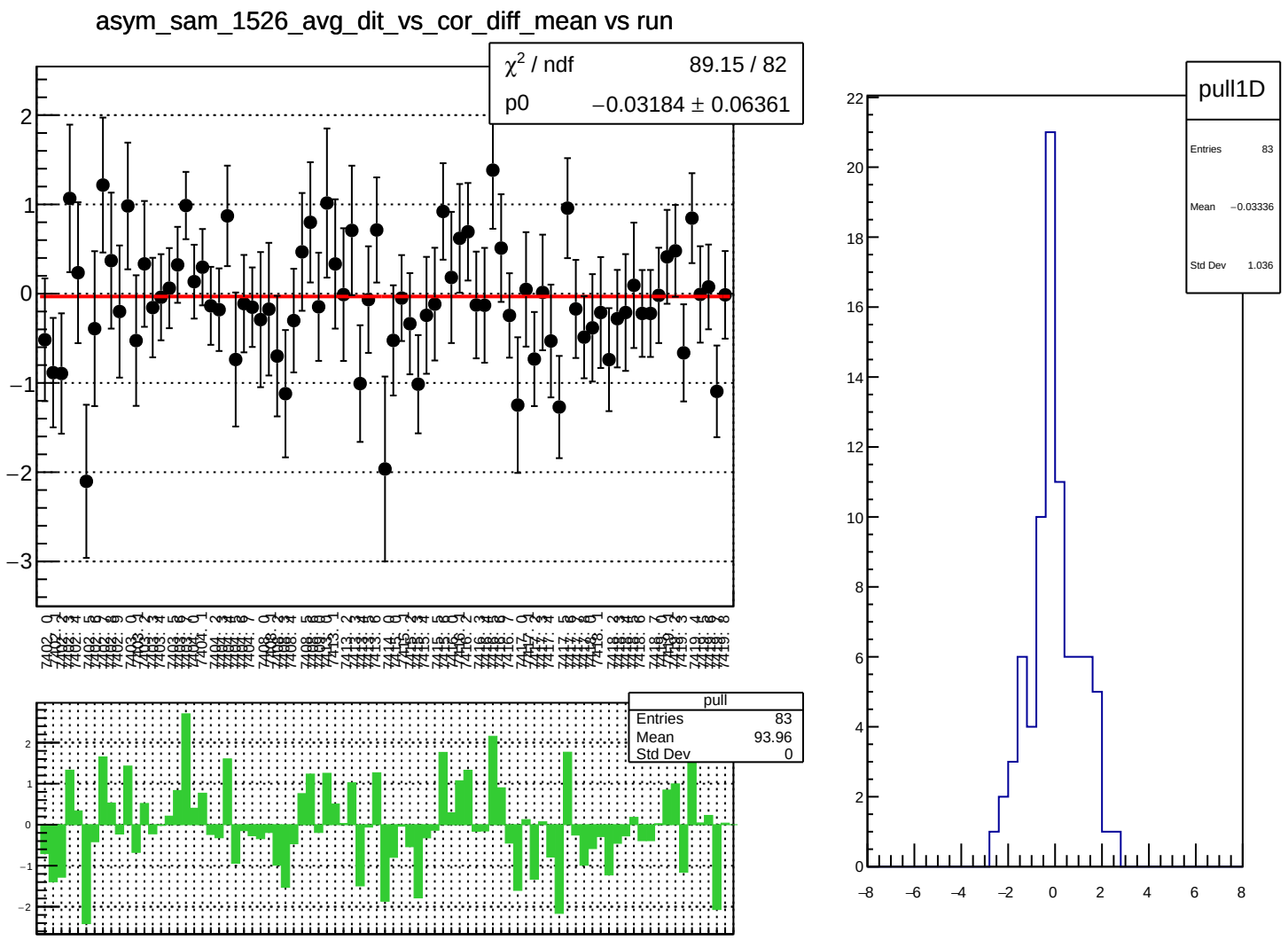

pull1D
Entries 83
Mean 0.0304
Std Dev 0.9693

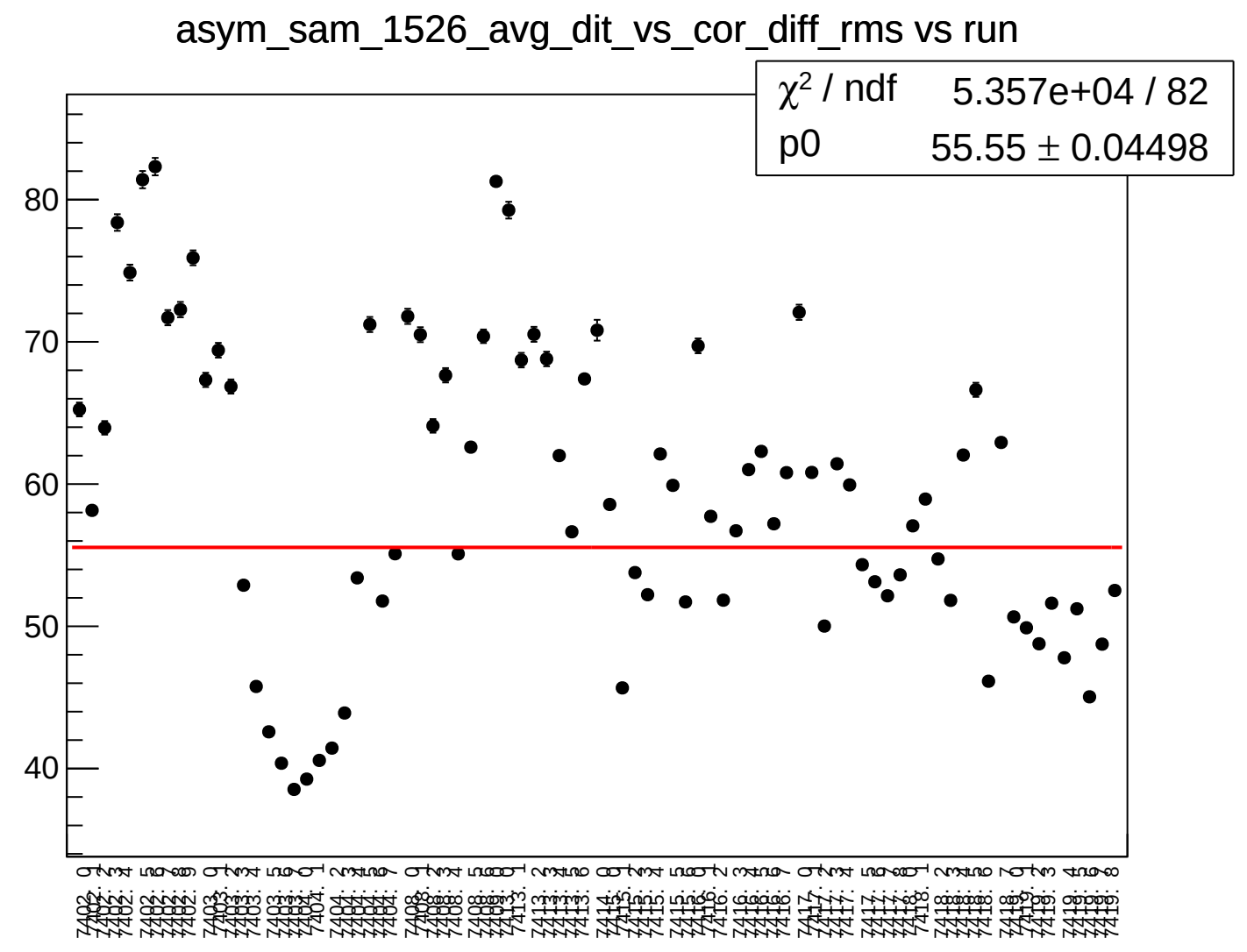

asym_sam_1526_avg_rms vs run
χ² / ndf 1.141e+04 / 82
p0 242.7 ± 0.1938
290
280
270
260
250
240
230
220
210
200

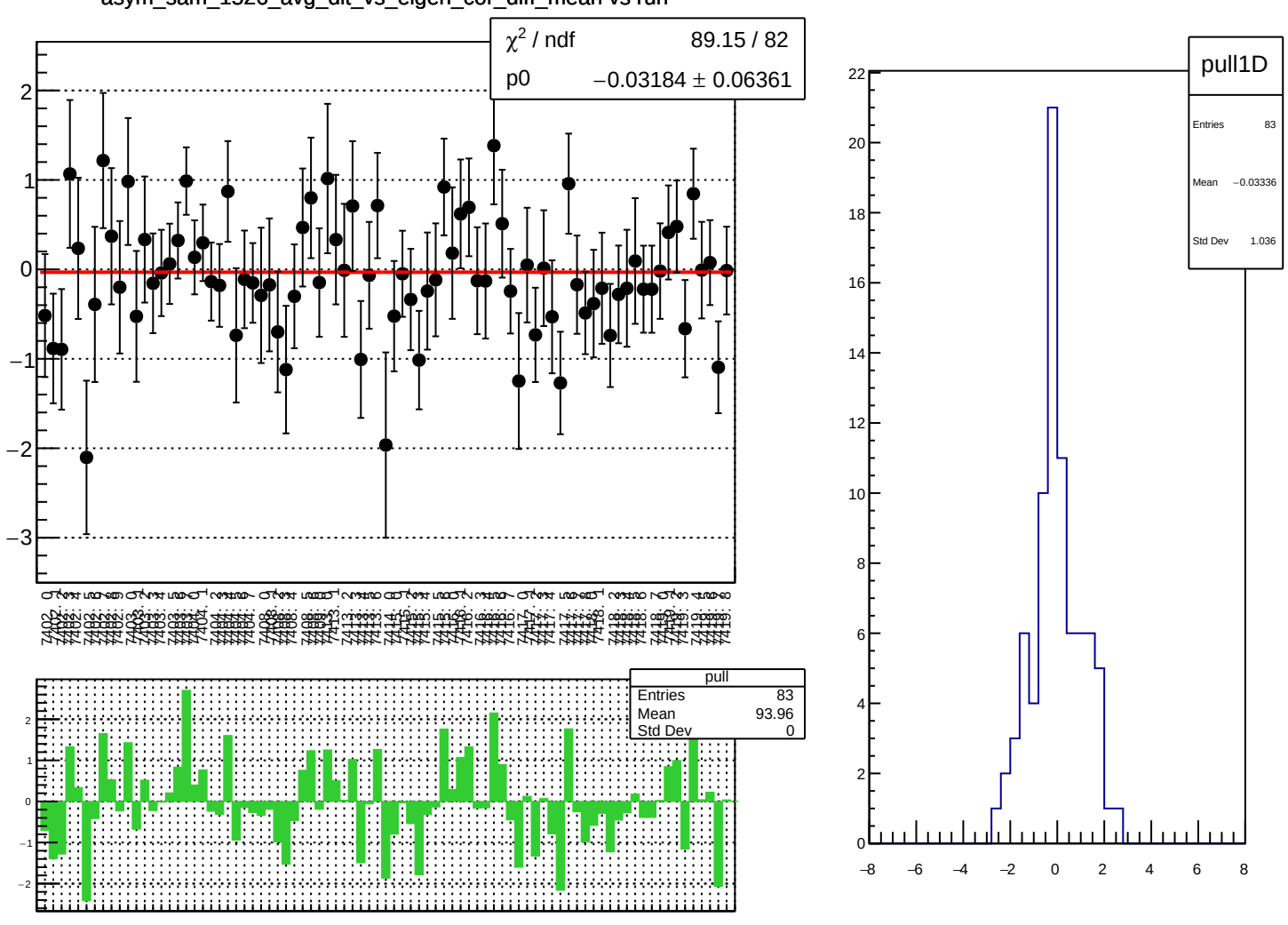

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 75.89 / 82
p0 8.585e−15 ± 1.003e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 83
Mean 17.15
Std Dev 0

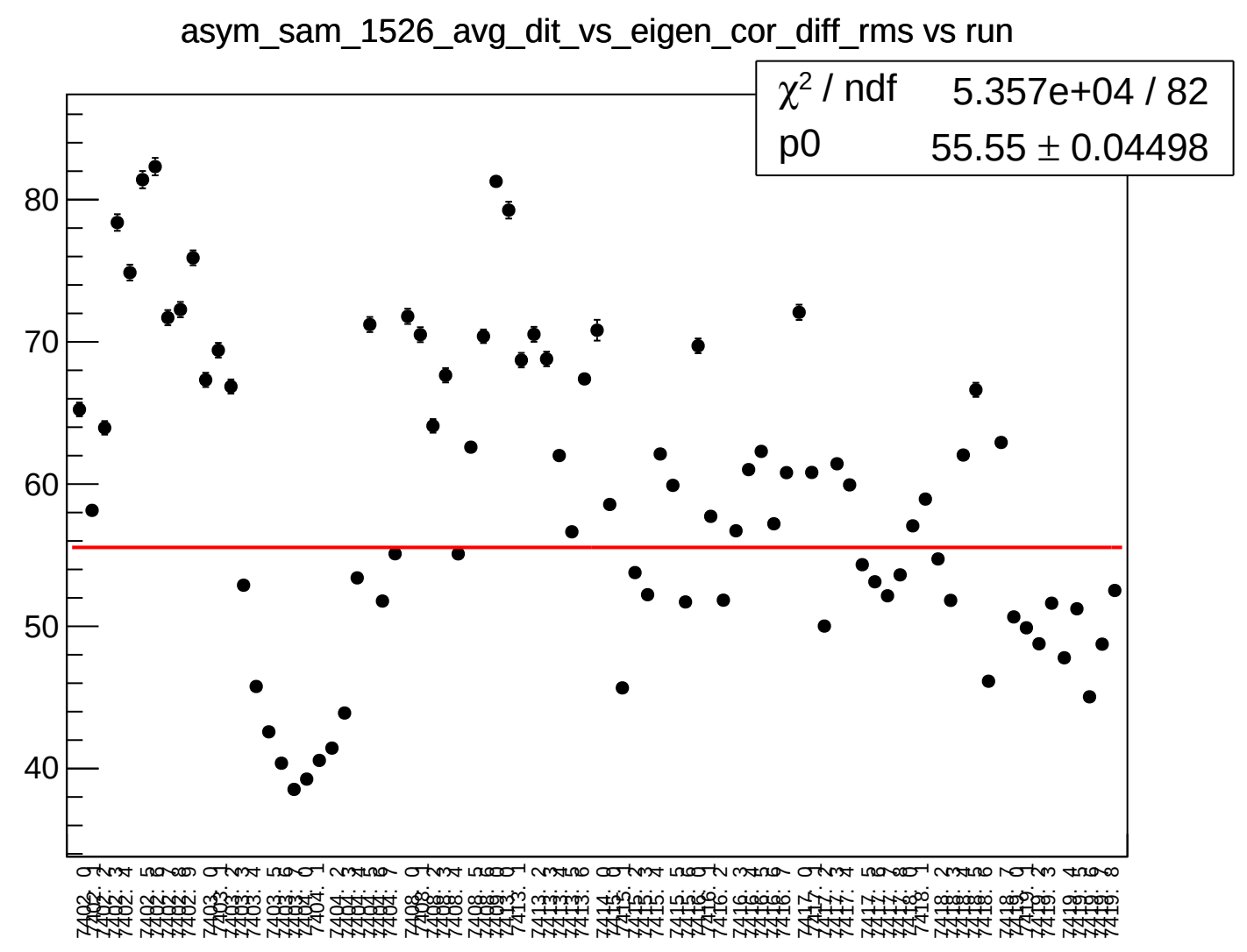

pull1D
Entries 83
Mean −0.07677
Std Dev 0.9531

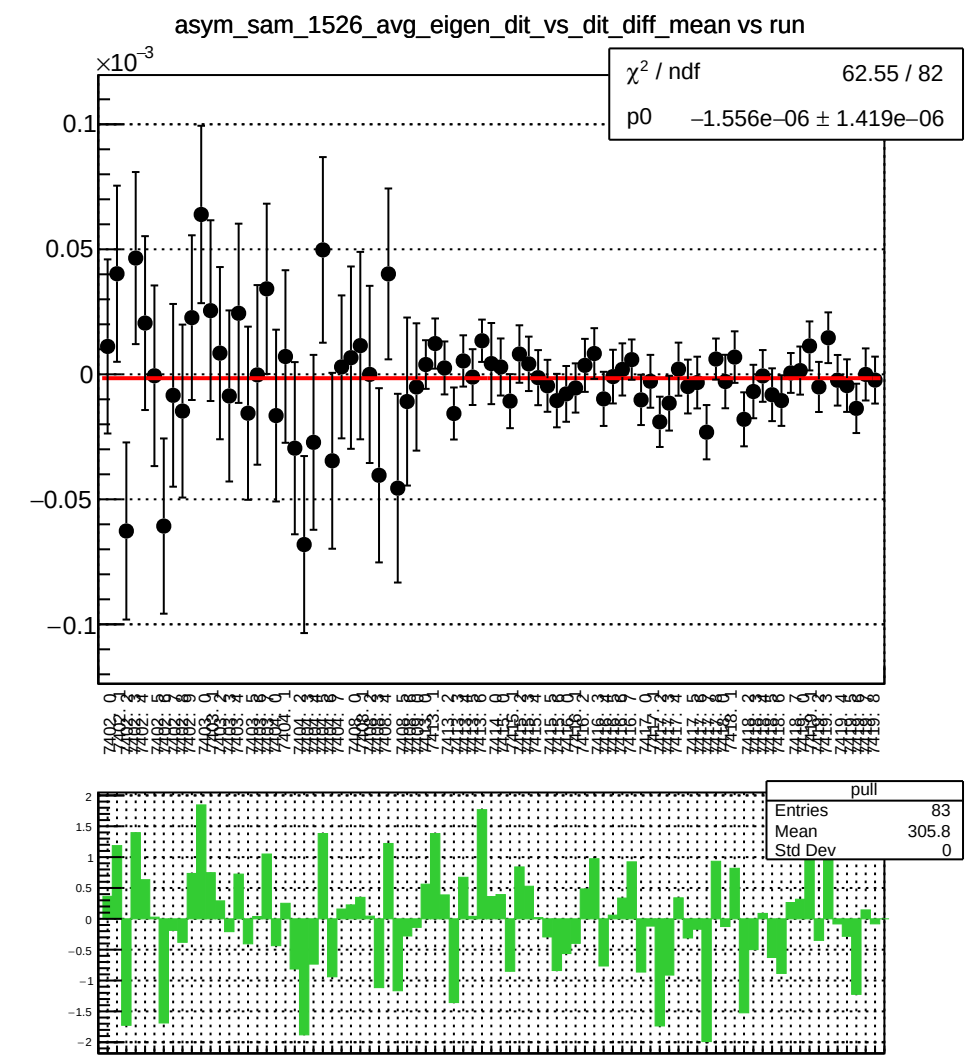

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.377e+06 / 82
p0 3.183e−12 ± 7.091e−15
0.05
0.04
0.03
0.02
0.01
0

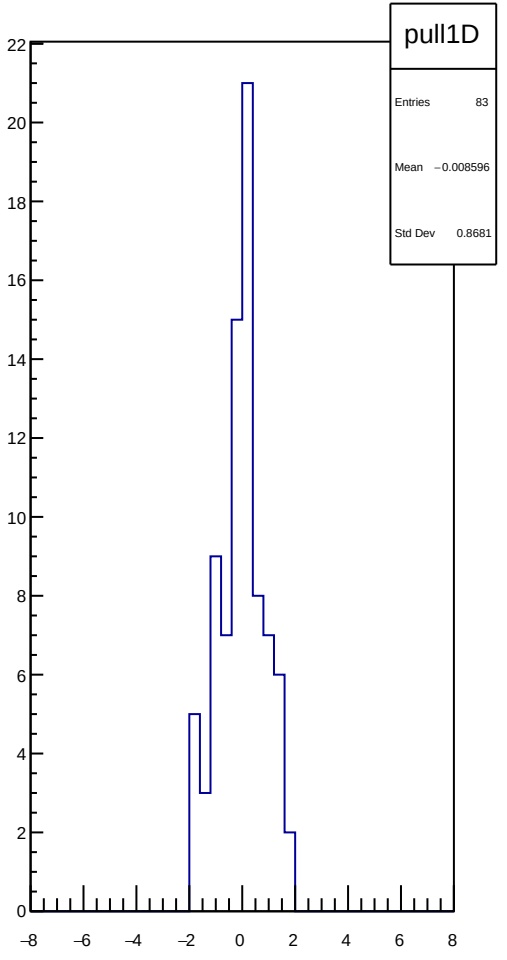

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 89.15 / 82
p0 −0.03184 ± 0.06361
pull
Entries 83
Mean 93.96
Std Dev 0
pull1D
Entries 83
Mean −0.03336
Std Dev 1.036

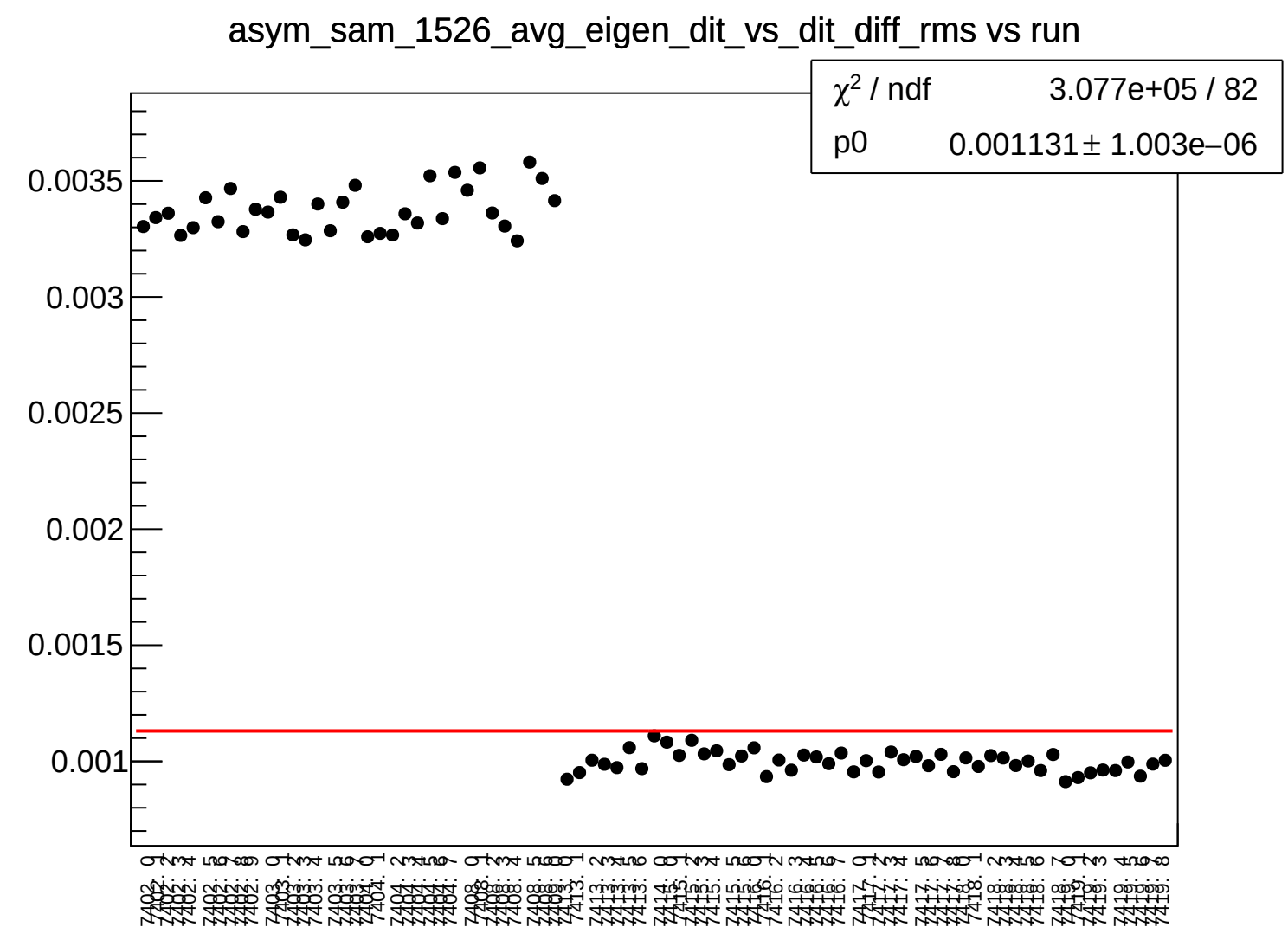

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 82
p0 55.55 ± 0.04498
80
70
60
50
40

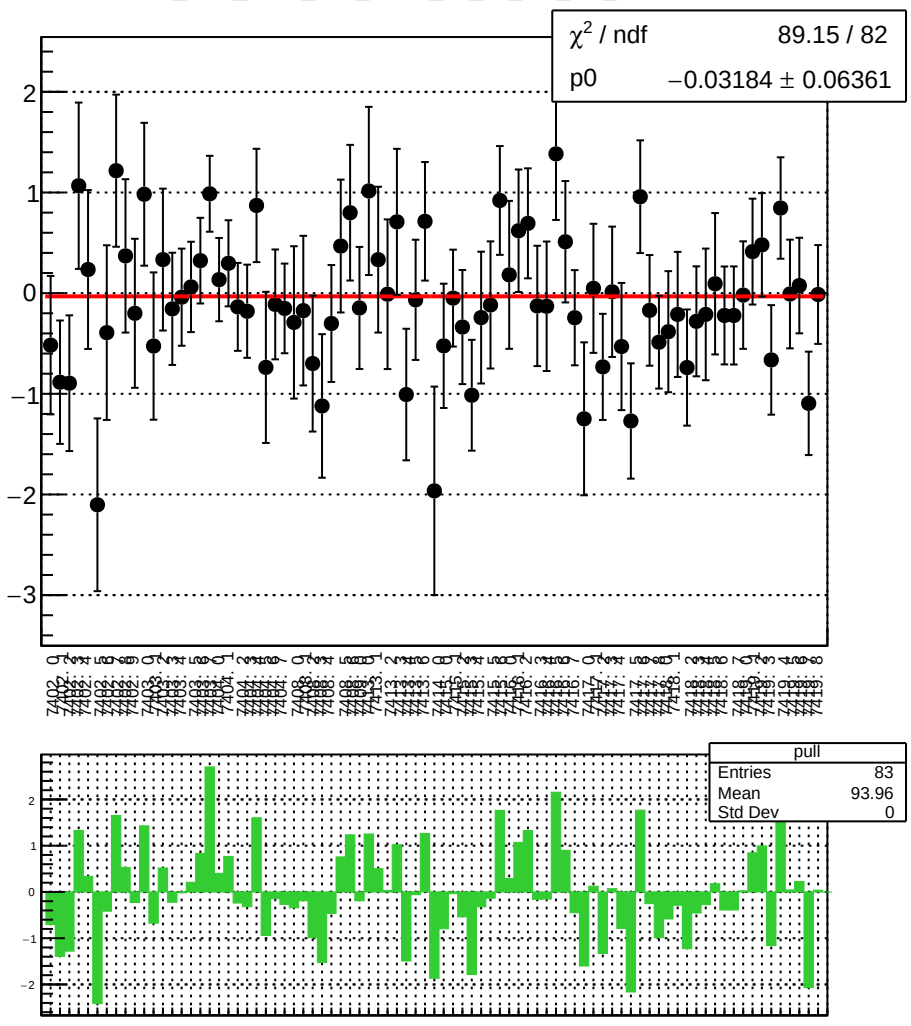

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.15 / 82
p0 −0.03184 ± 0.06361
pull
Entries 83
Mean 93.96
Std Dev 0
pull1D
Entries 83
Mean −0.03336
Std Dev 1.036

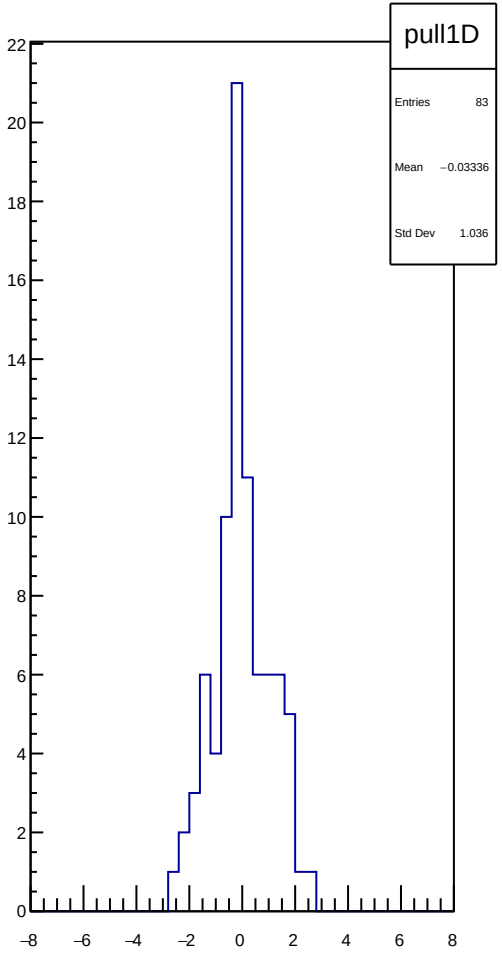

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 82
p0 55.55 ± 0.04498
80
70
60
50
40

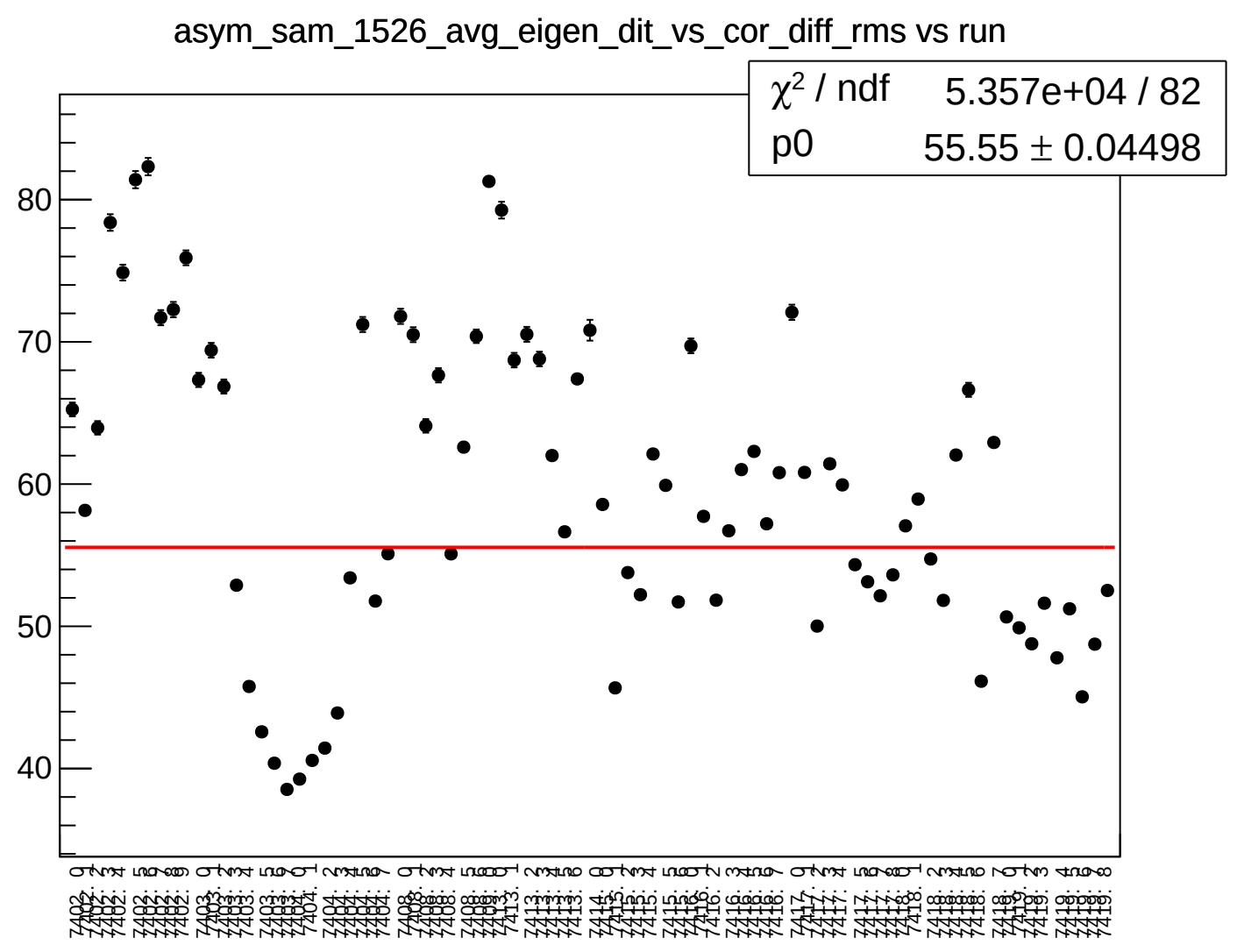

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.55 / 82
p0 −1.556e−06 ± 1.419e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean 305.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

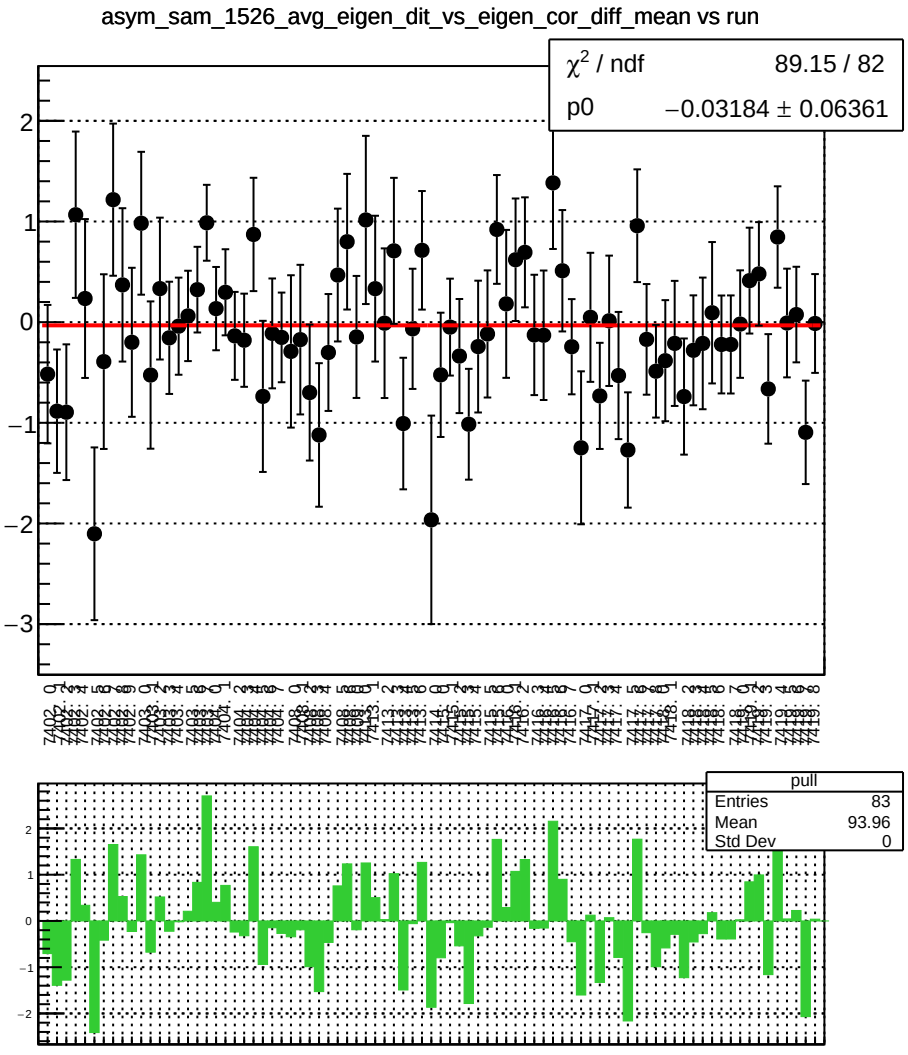

pull1D
Entries 83
Mean −0.008596
Std Dev 0.8681
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

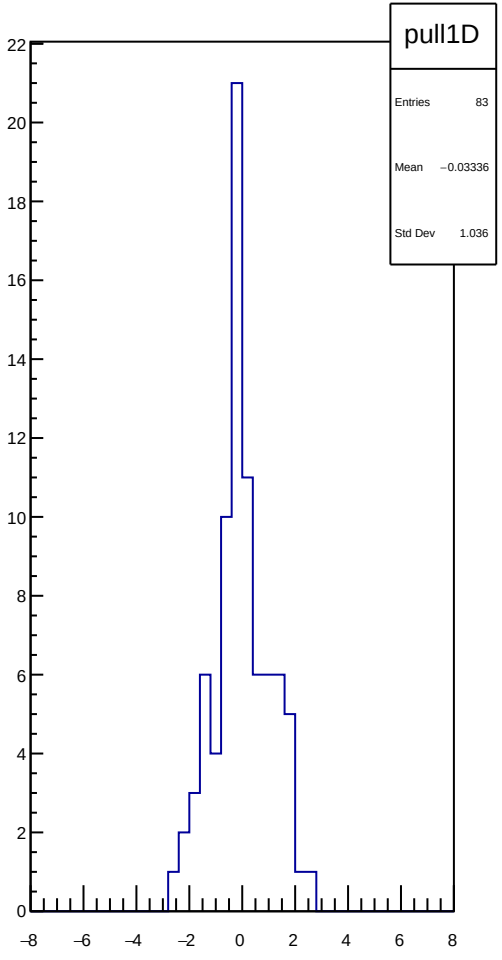

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.077e+05 / 82
p0 0.001131 ± 1.003e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001

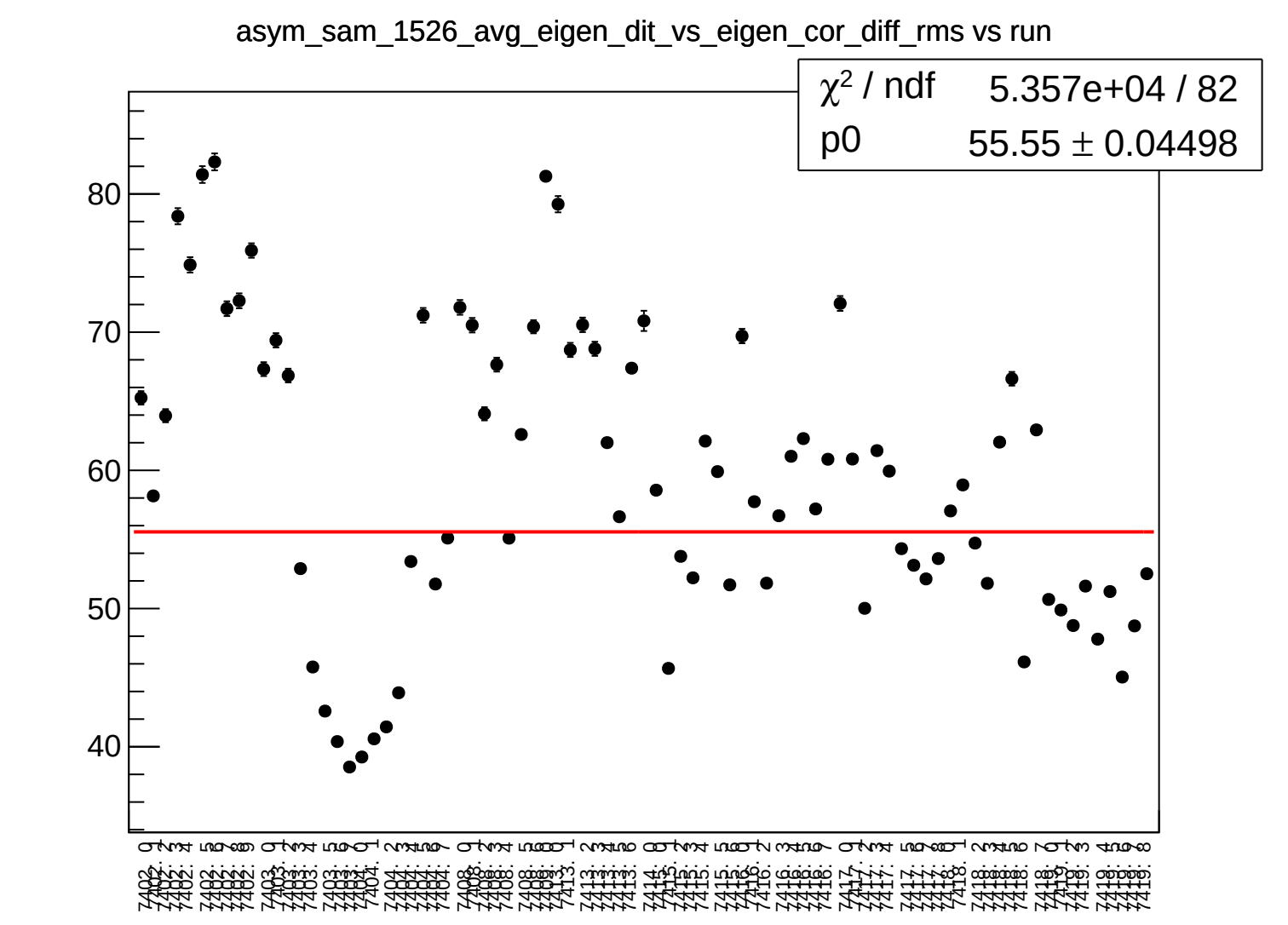

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.15 / 82
p0 −0.03184 ± 0.06361
pull
Entries 83
Mean 93.96
Std Dev 0

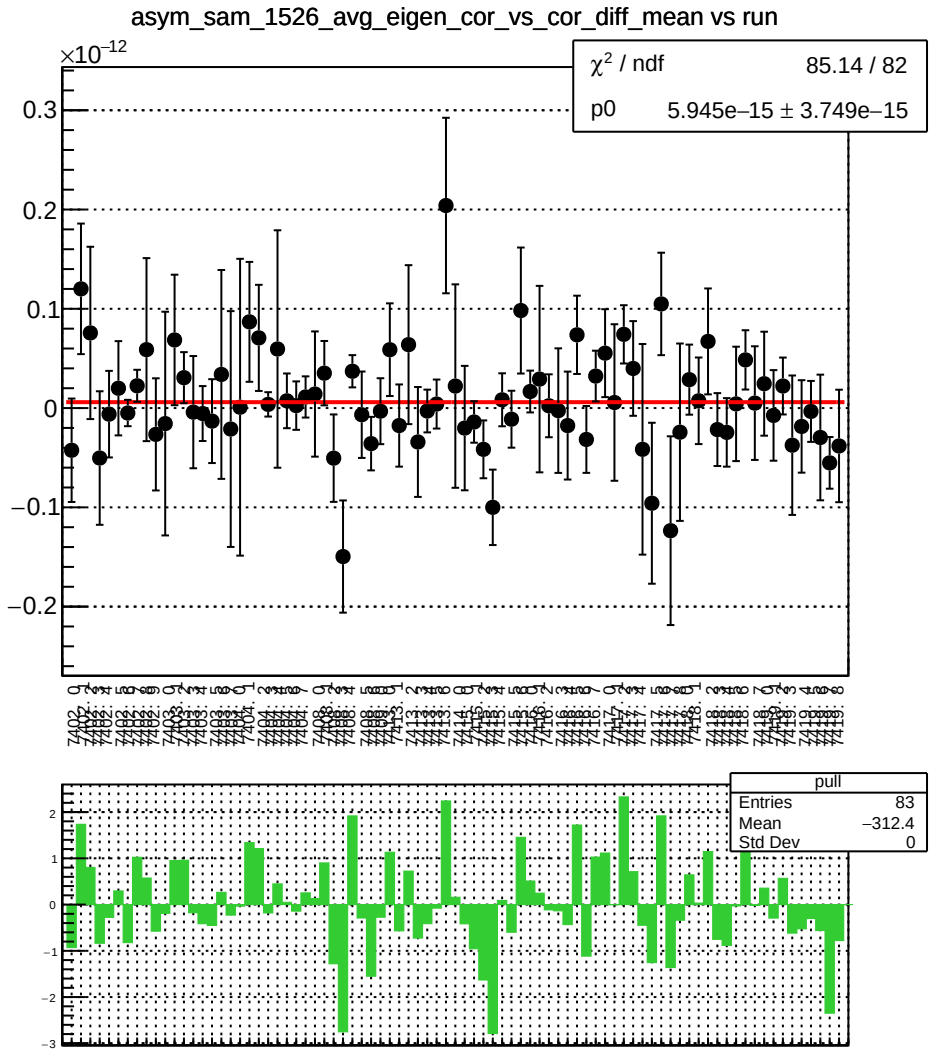

pull1D
Entries 83
Mean −0.03336
Std Dev 1.036

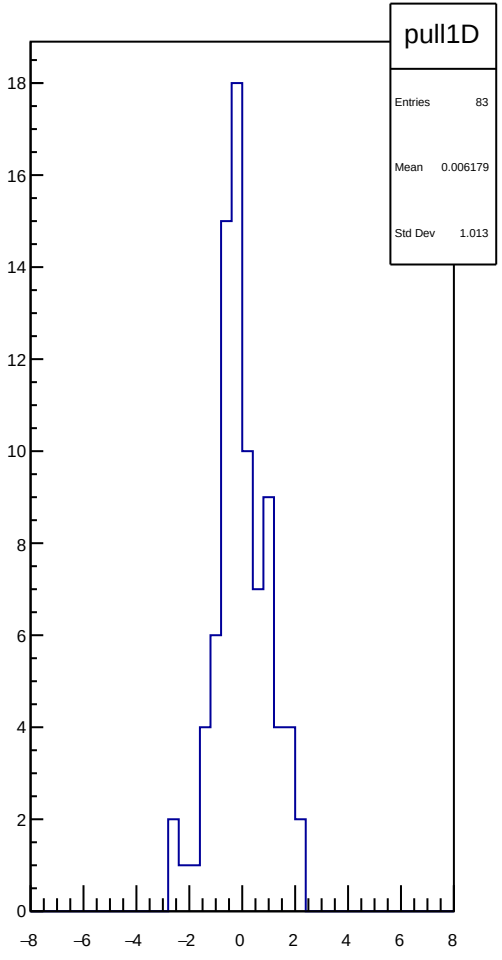

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 82
p0 55.55 ± 0.04498
80
70
60
50
40

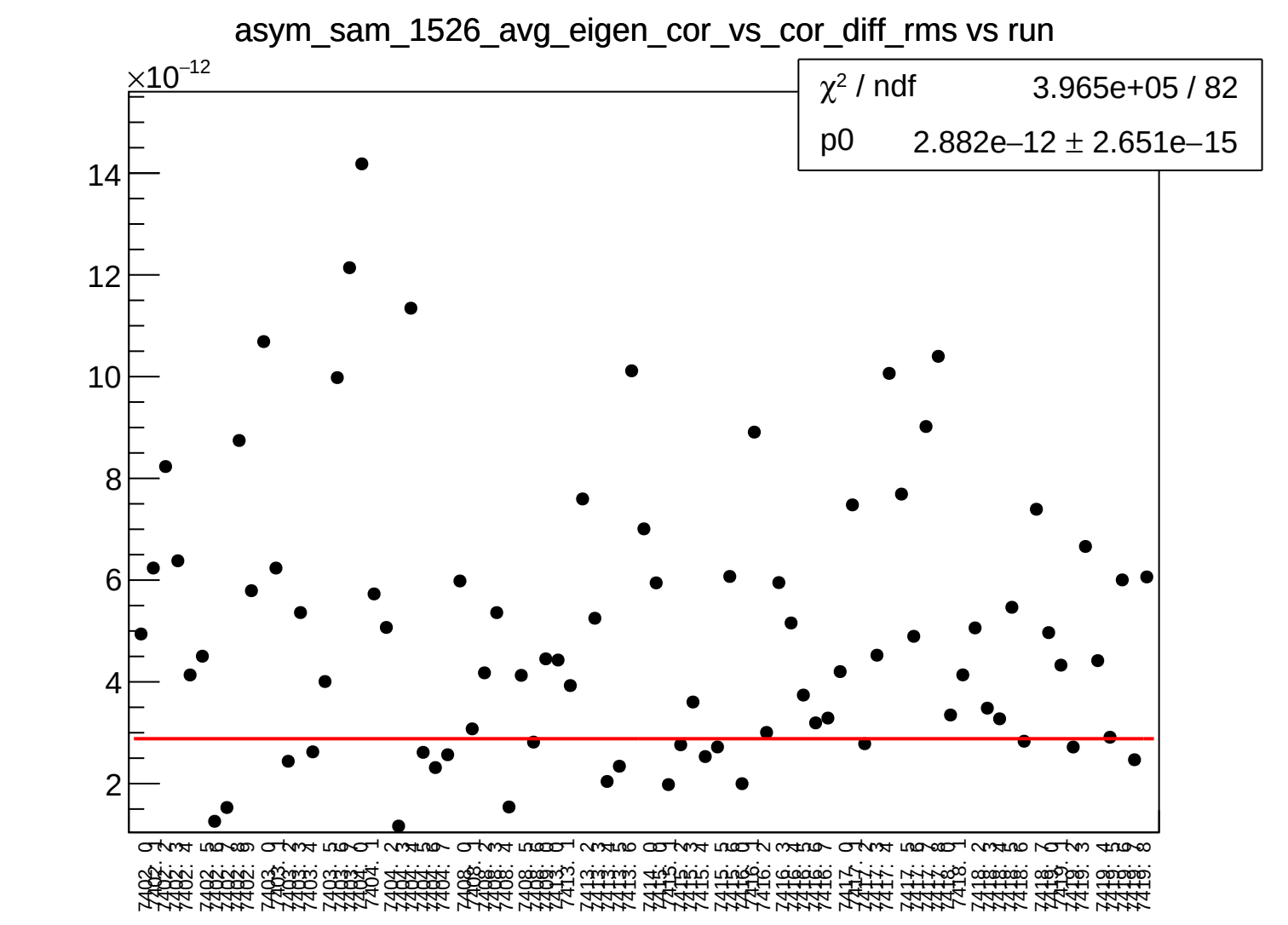

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.15 / 82
p0 −0.03184 ± 0.06361
pull
Entries 83
Mean 93.96
Std Dev 0

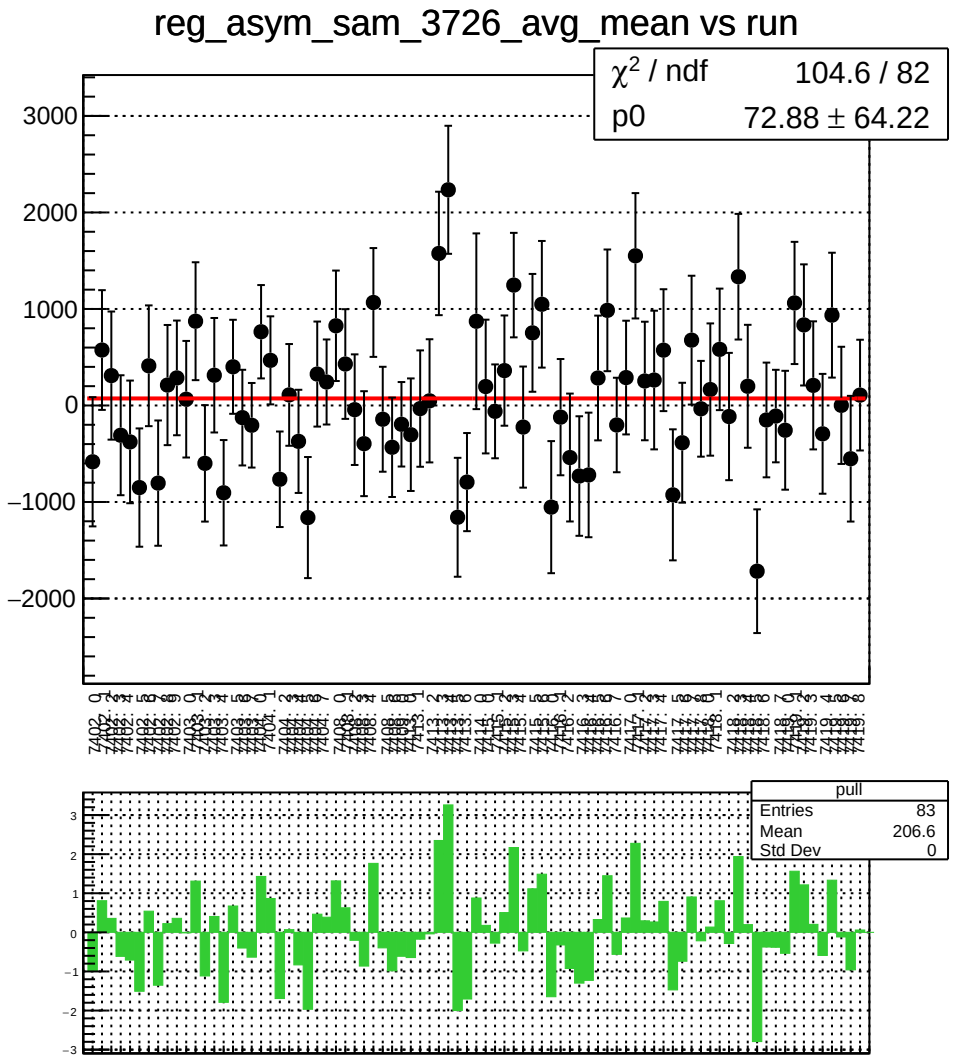

pull1D
Entries 83
Mean −0.03336
Std Dev 1.036

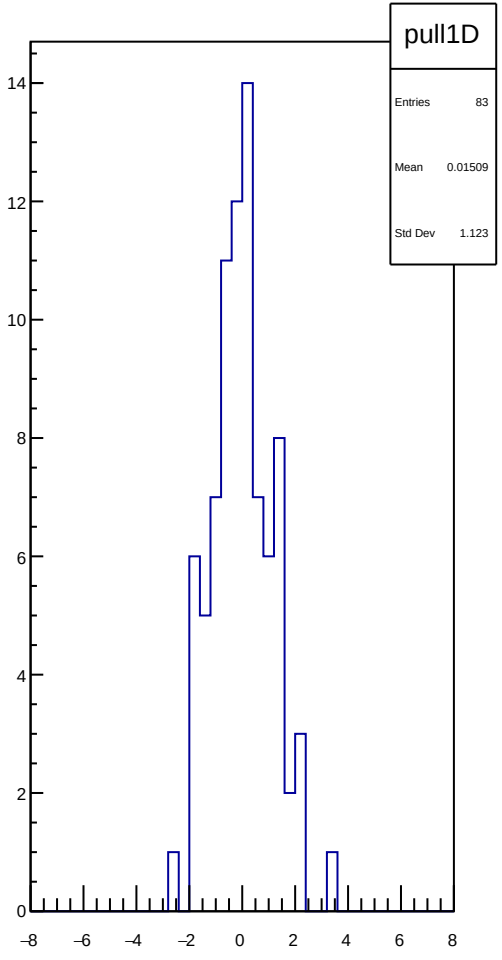

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.357e+04 / 82
p0 55.55 ± 0.04498
80
70
60
50
40

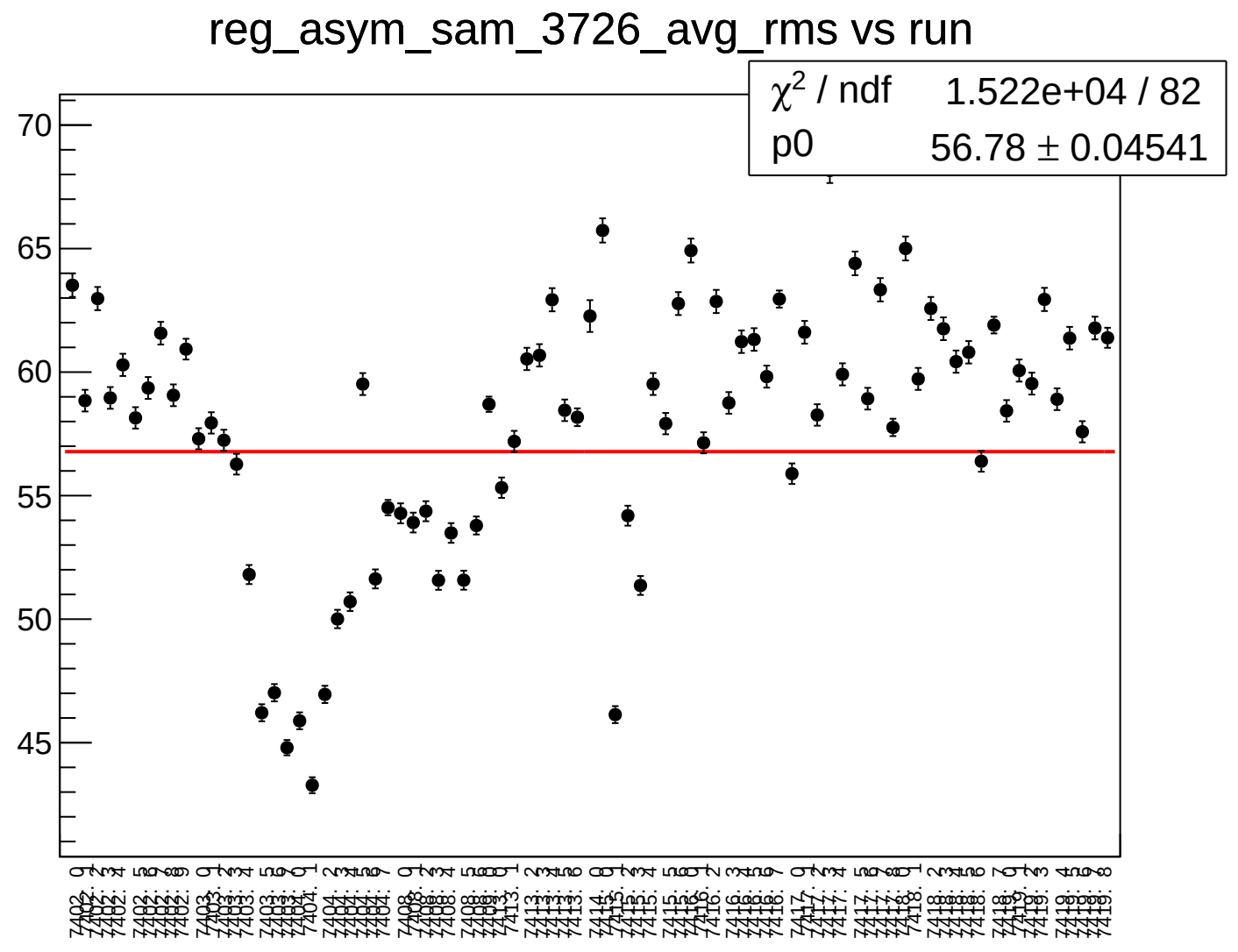

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.14 / 82
p0 5.945e−15 ± 3.749e−15
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 83
Mean −312.4
Std Dev 0
2
1
0
−1
−2
−3

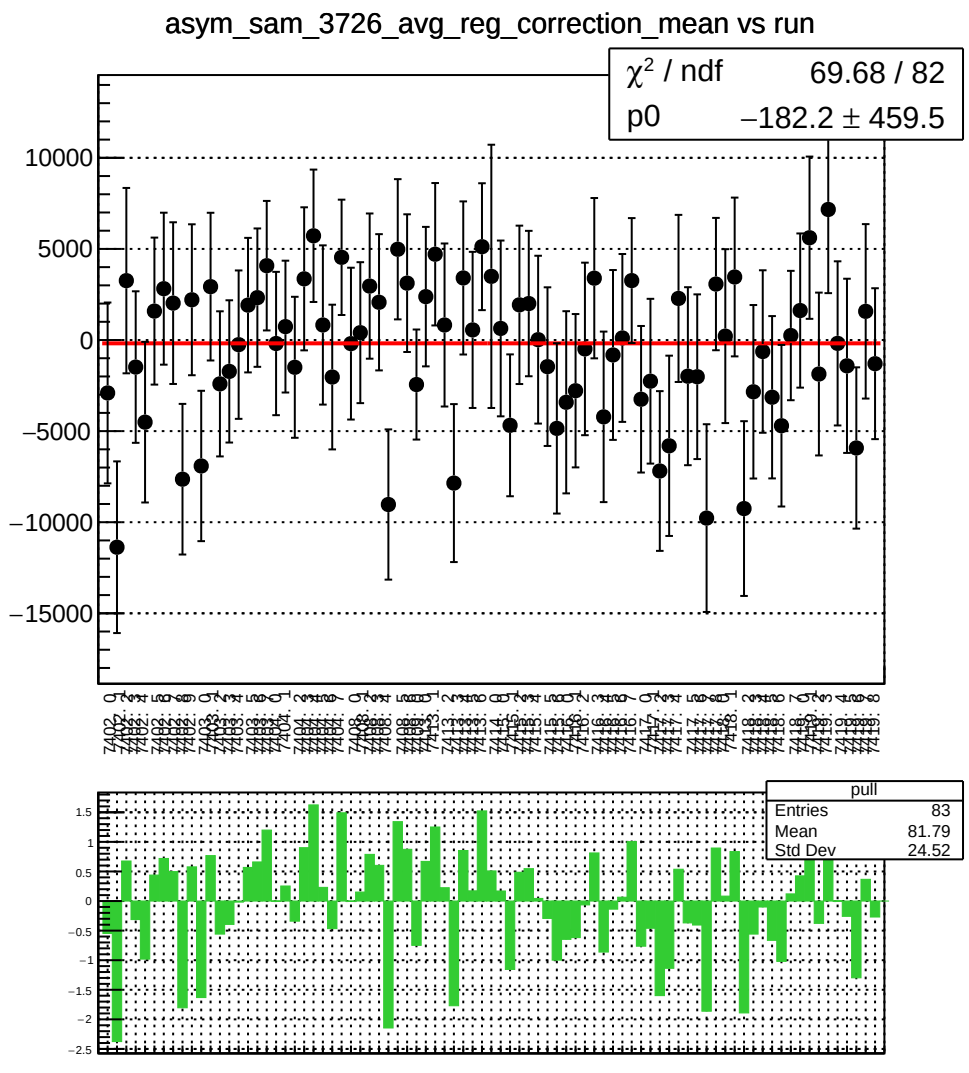

pull1D
Entries 83
Mean 0.006179
Std Dev 1.013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

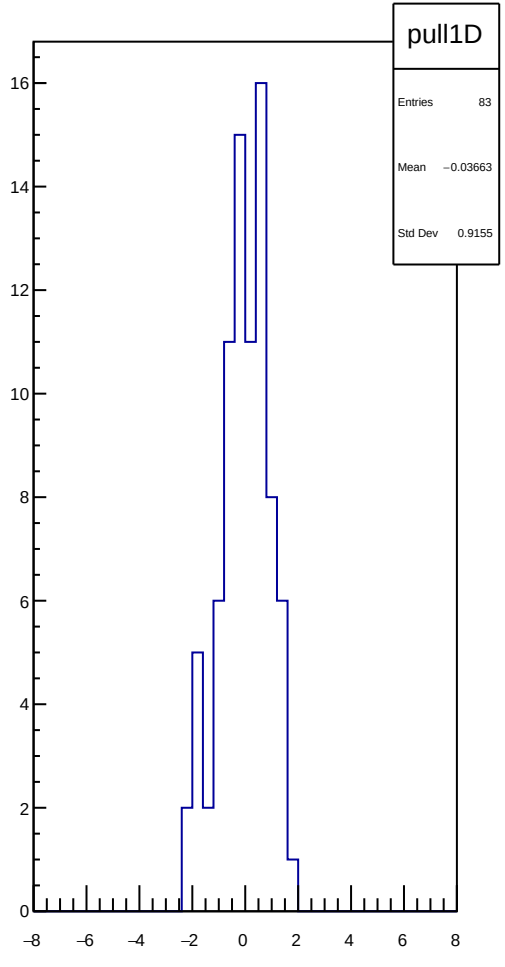

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.965e+05 / 82
p0 2.882e−12 ± 2.651e−15
14
12
10
8
6
4
2

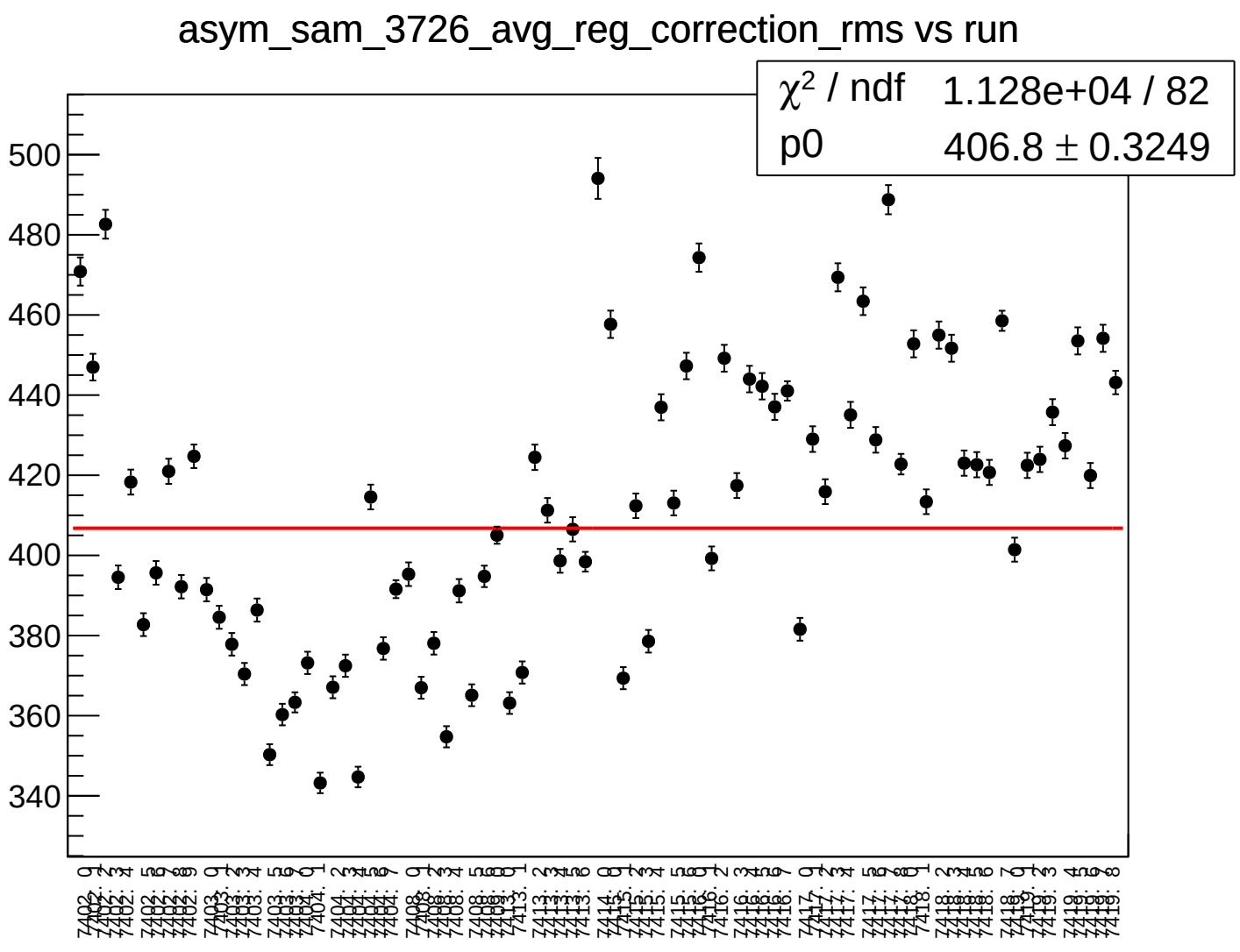

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 104.6 / 82
p0 72.88 ± 64.22
pull
Entries 83
Mean 206.6
Std Dev 0

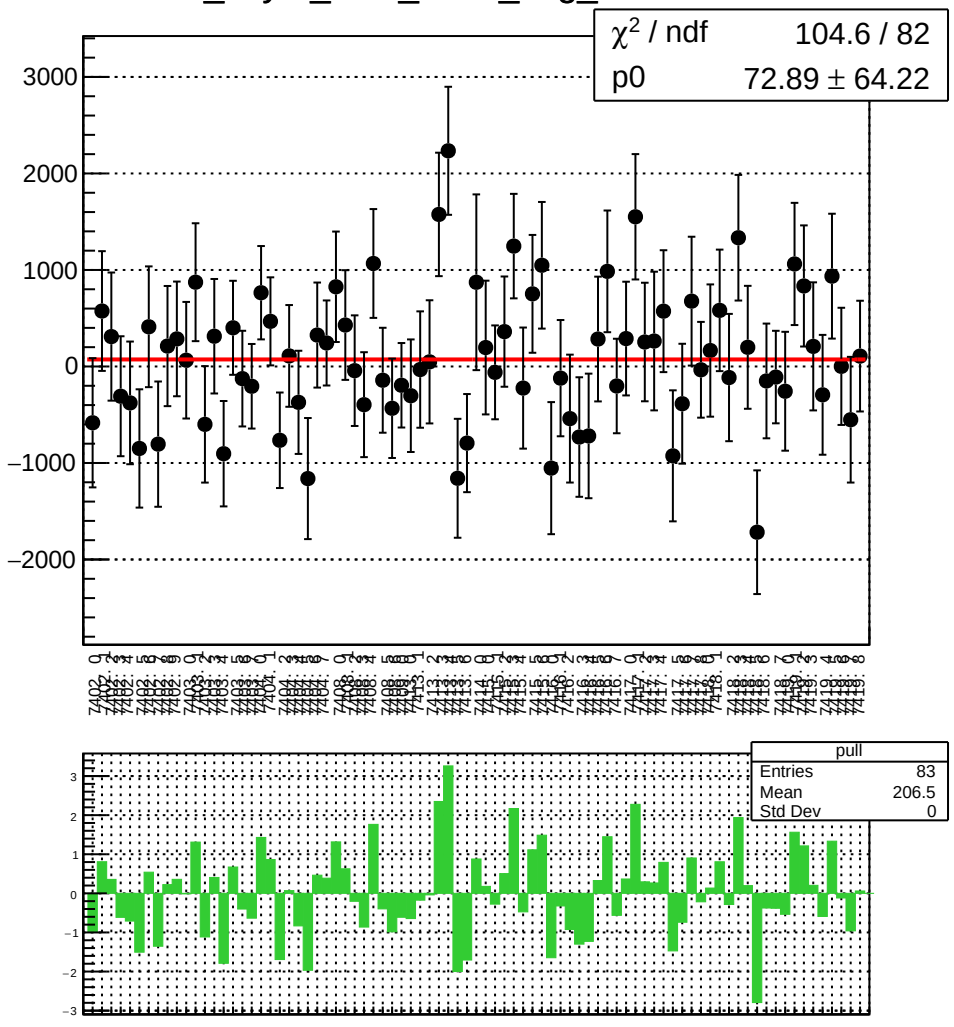

pull1D
Entries 83
Mean 0.01509
Std Dev 1.123

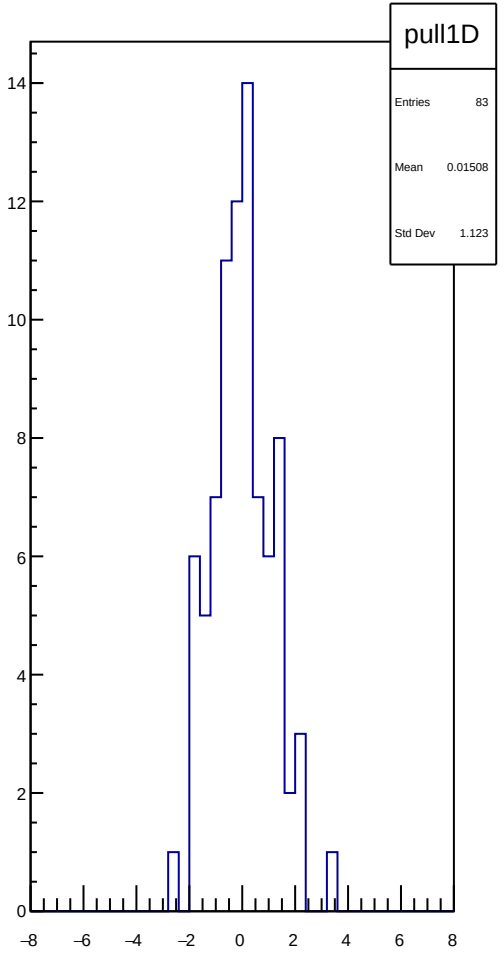

reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.522e+04 / 82
p0 56.78 ± 0.04541
70
65
60
55
50
45

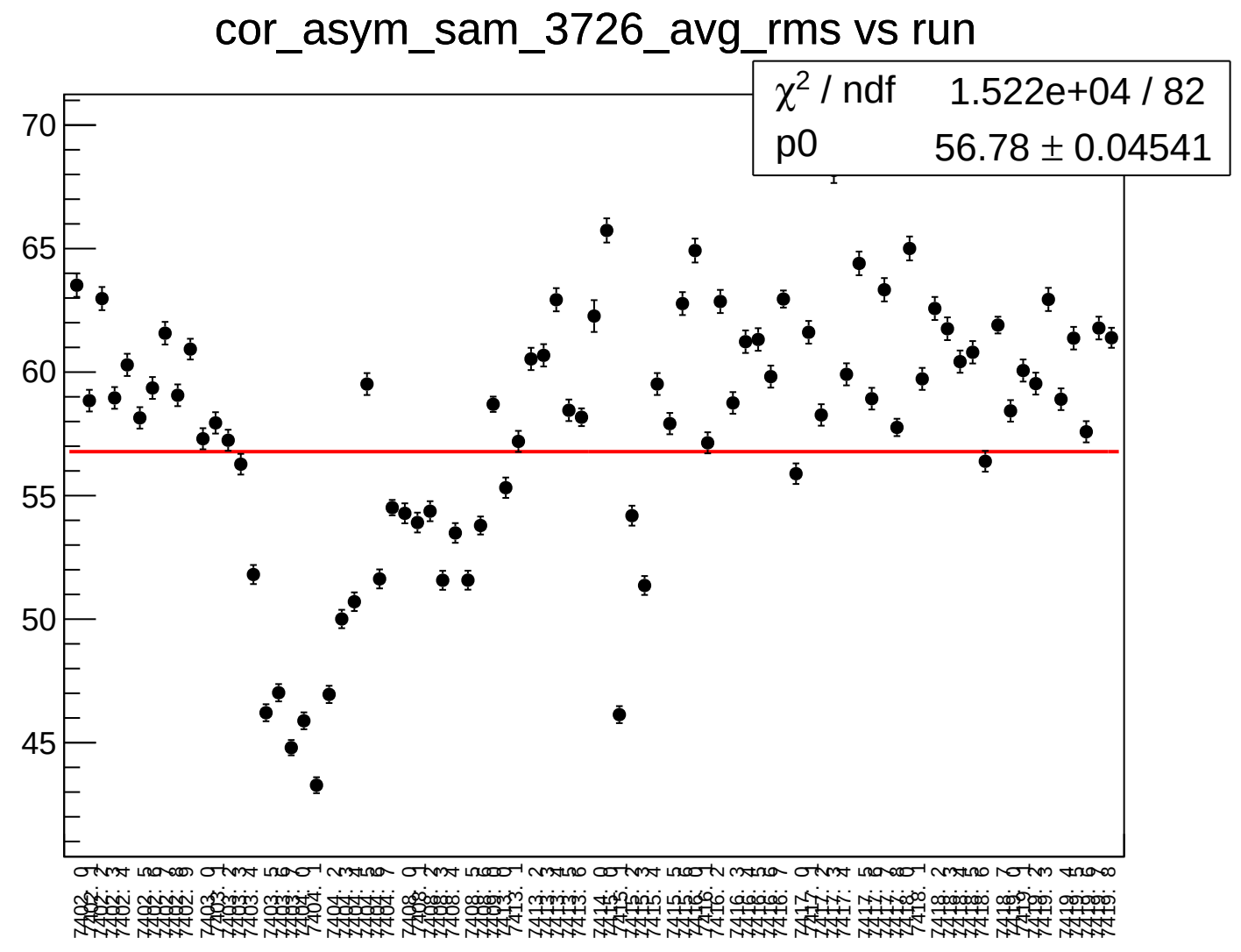

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 69.68 / 82
p0 −182.2 ± 459.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 81.79
Std Dev 24.52
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

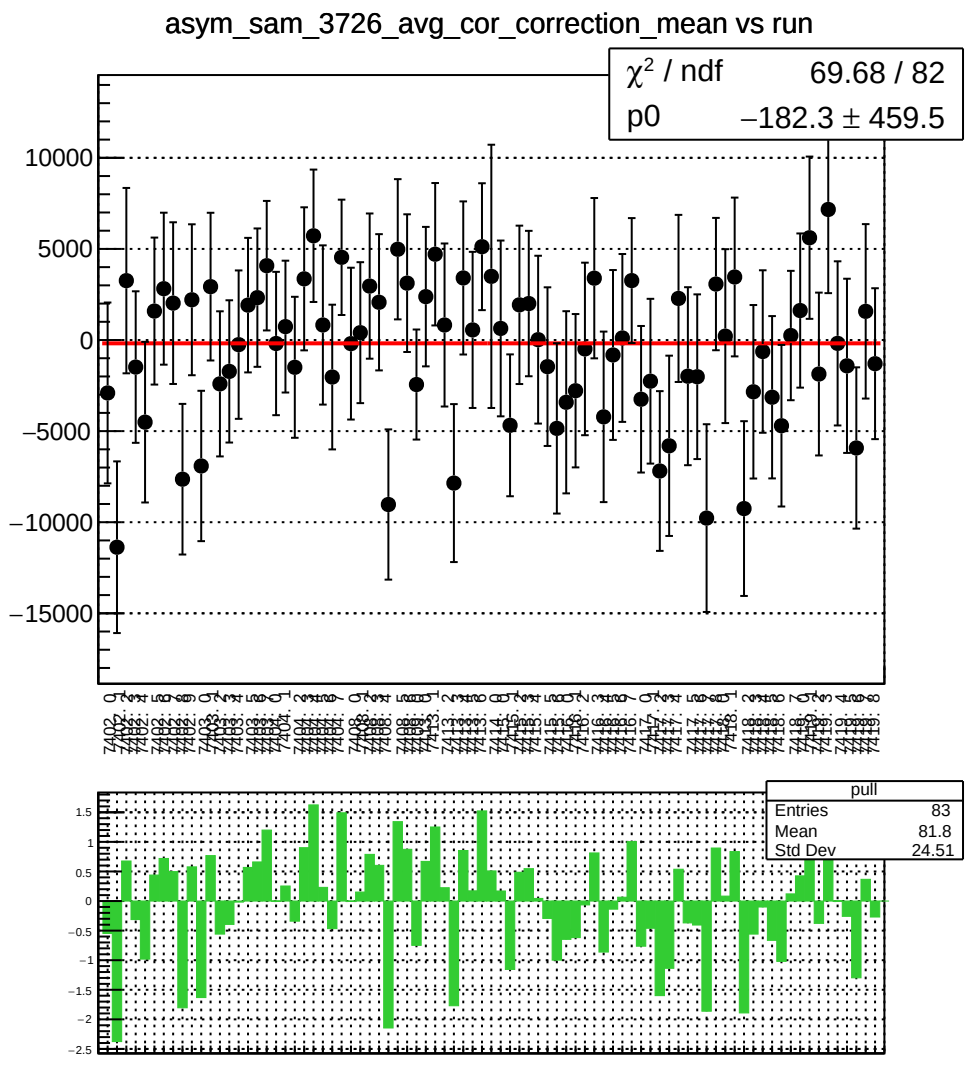

pull1D
Entries 83
Mean −0.03663
Std Dev 0.9155
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

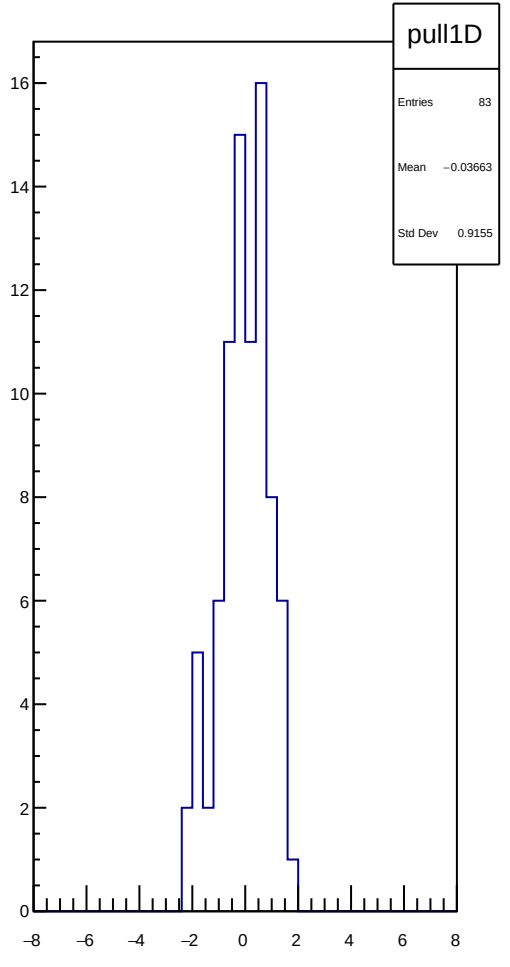

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 1.128e+04 / 82
p0 406.8 ± 0.3249
500
480
460
440
420
400
380
360
340

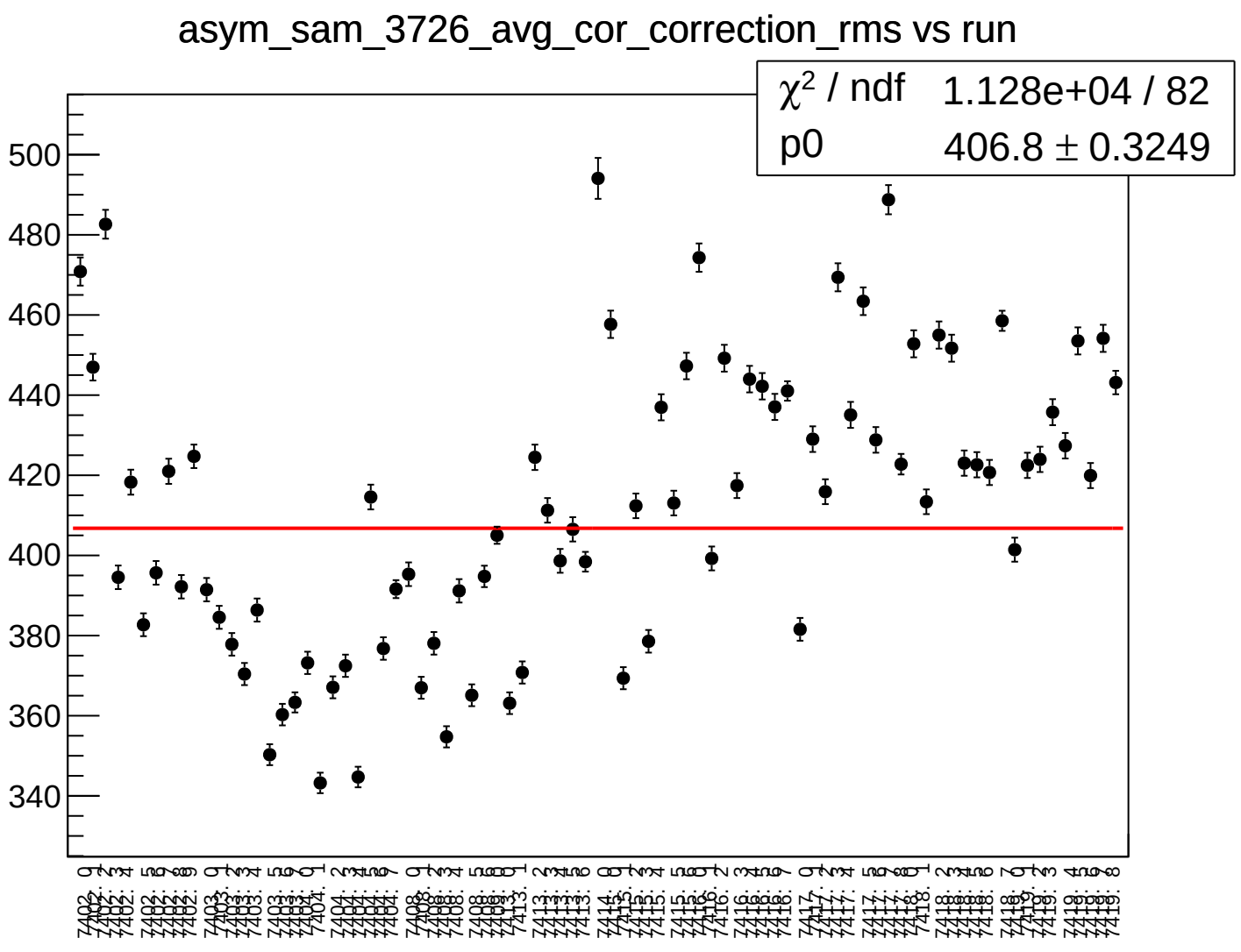

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 104.6 / 82
p0 72.89 ± 64.22
pull
Entries 83
Mean 206.5
Std Dev 0

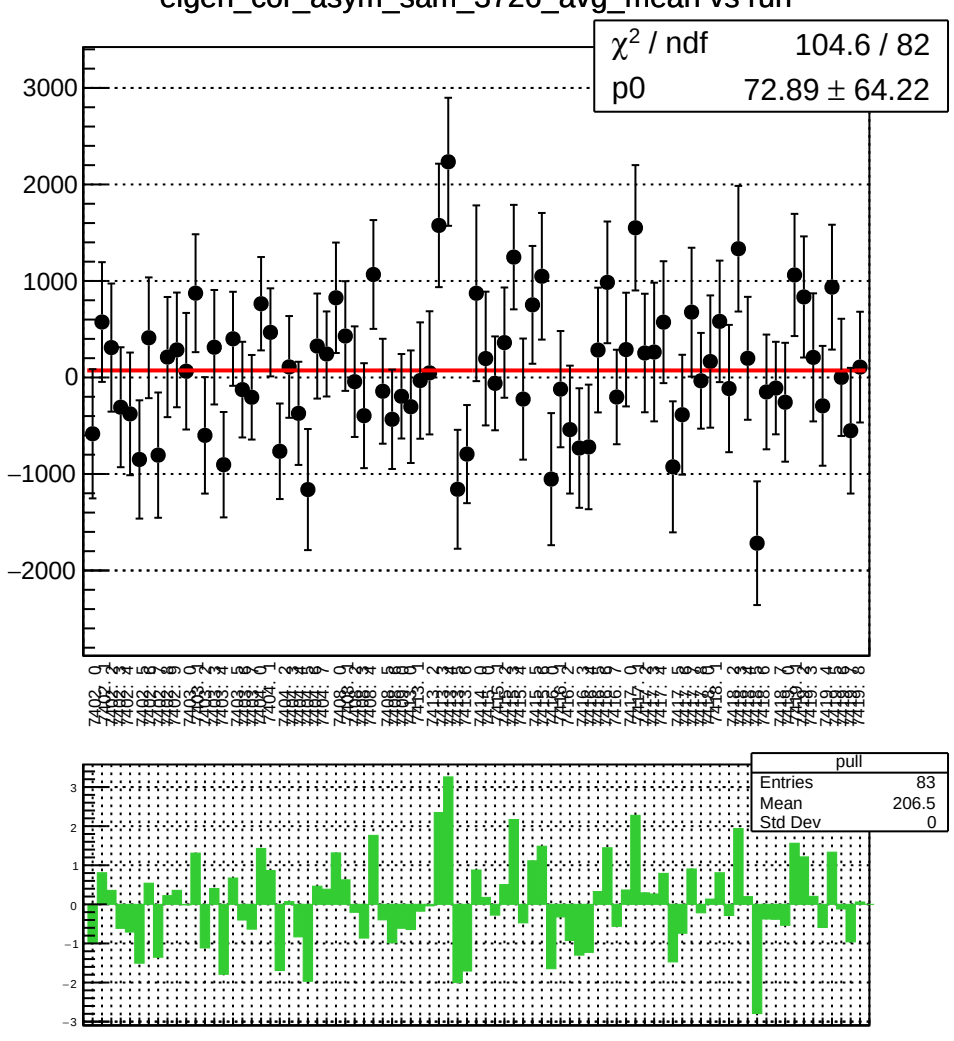

pull1D
Entries 83
Mean 0.01508
Std Dev 1.123

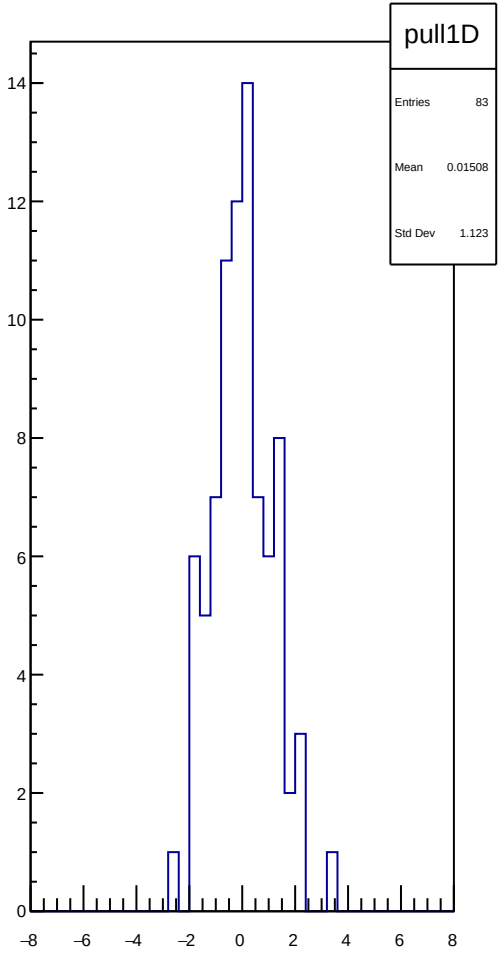

cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.522e+04 / 82
p0 56.78 ± 0.04541
70
65
60
55
50
45

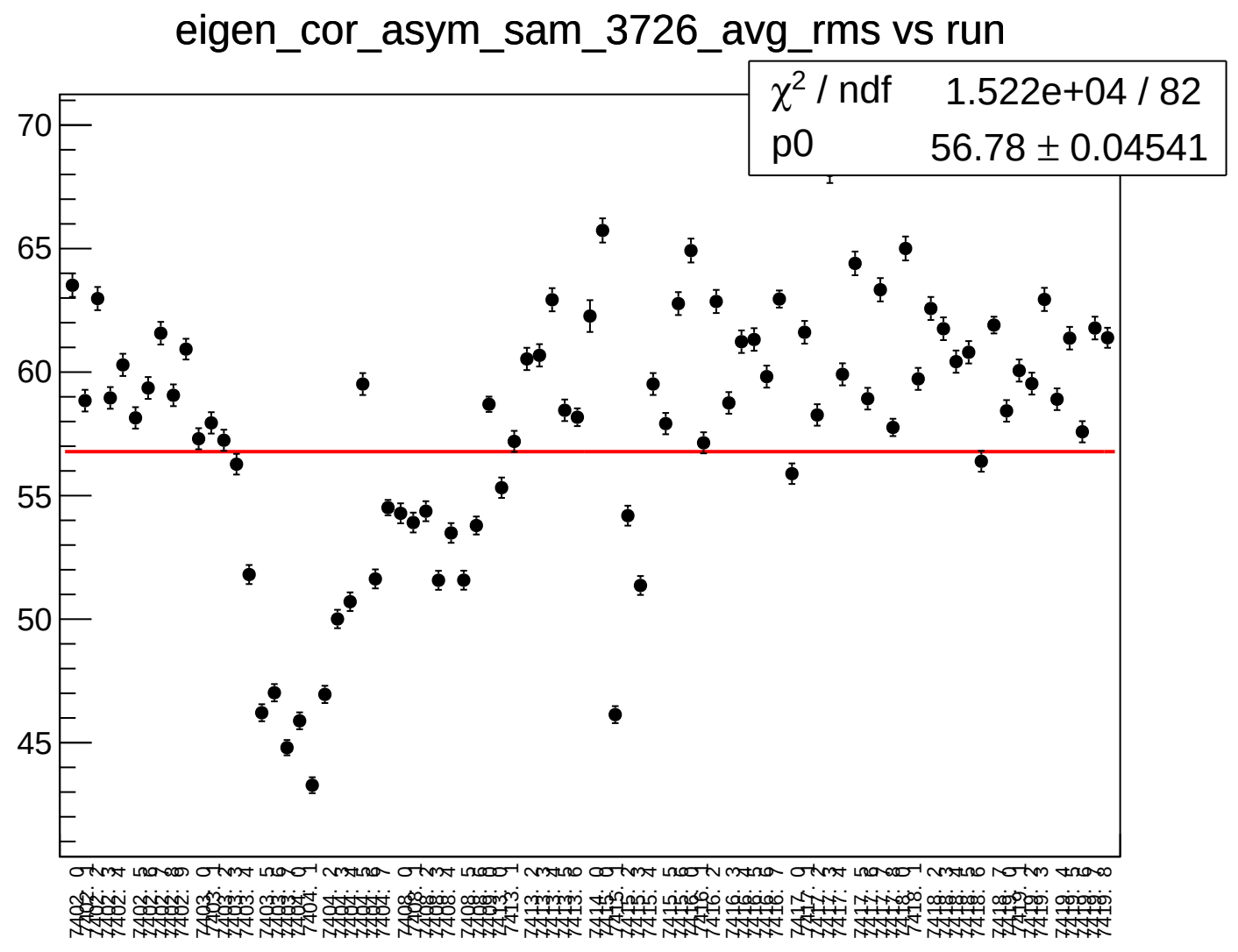

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 69.68 / 82
p0 −182.3 ± 459.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 81.8
Std Dev 24.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

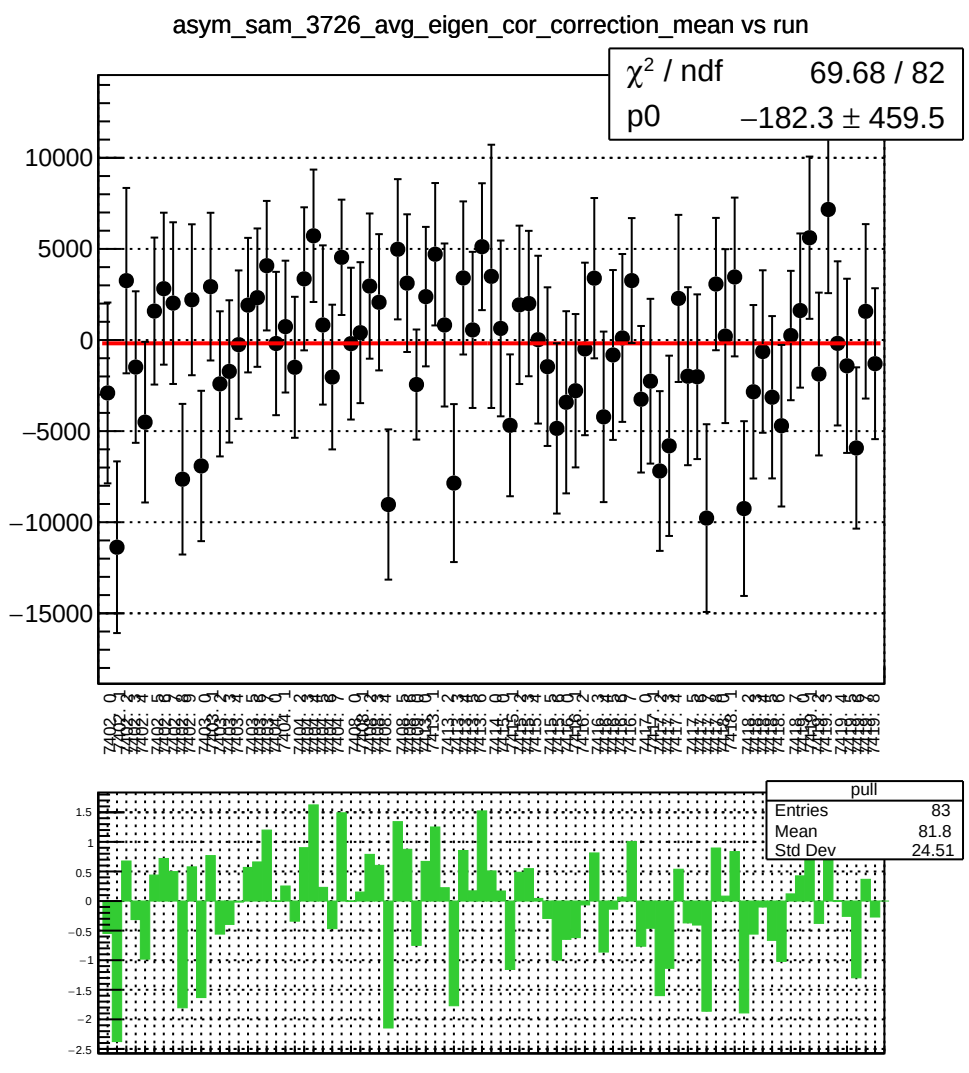

pull1D
Entries 83
Mean −0.03663
Std Dev 0.9155
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

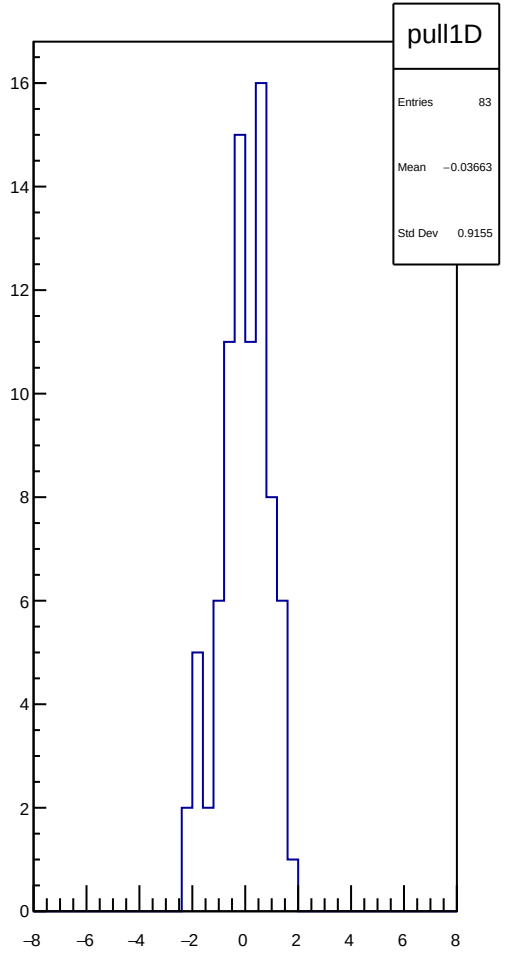

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 1.128e+04 / 82
p0 406.8 ± 0.3249
500
480
460
440
420
400
380
360
340

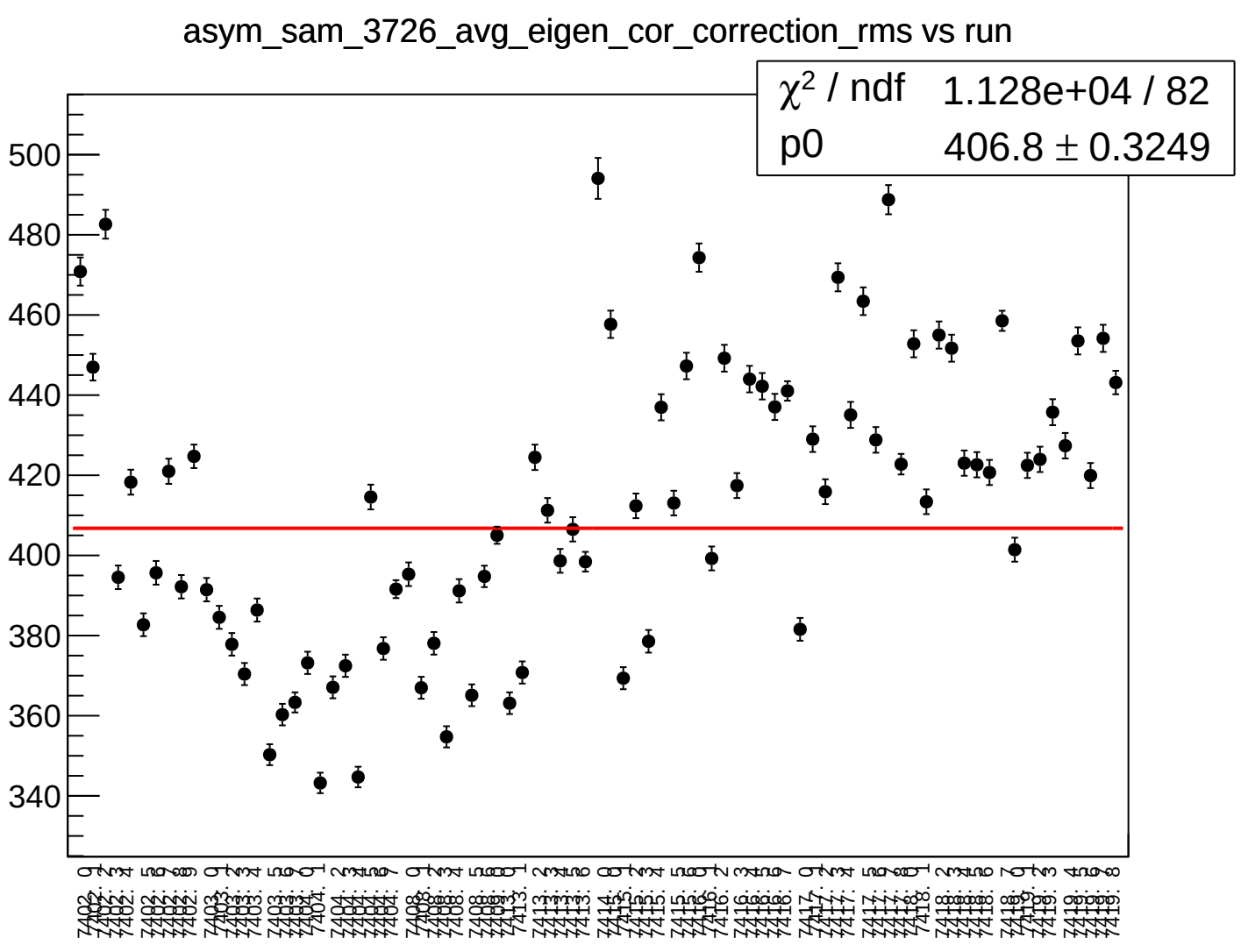

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 104.6 / 82
p0 72.89 ± 64.22
pull
Entries 83
Mean 206.5
Std Dev 0

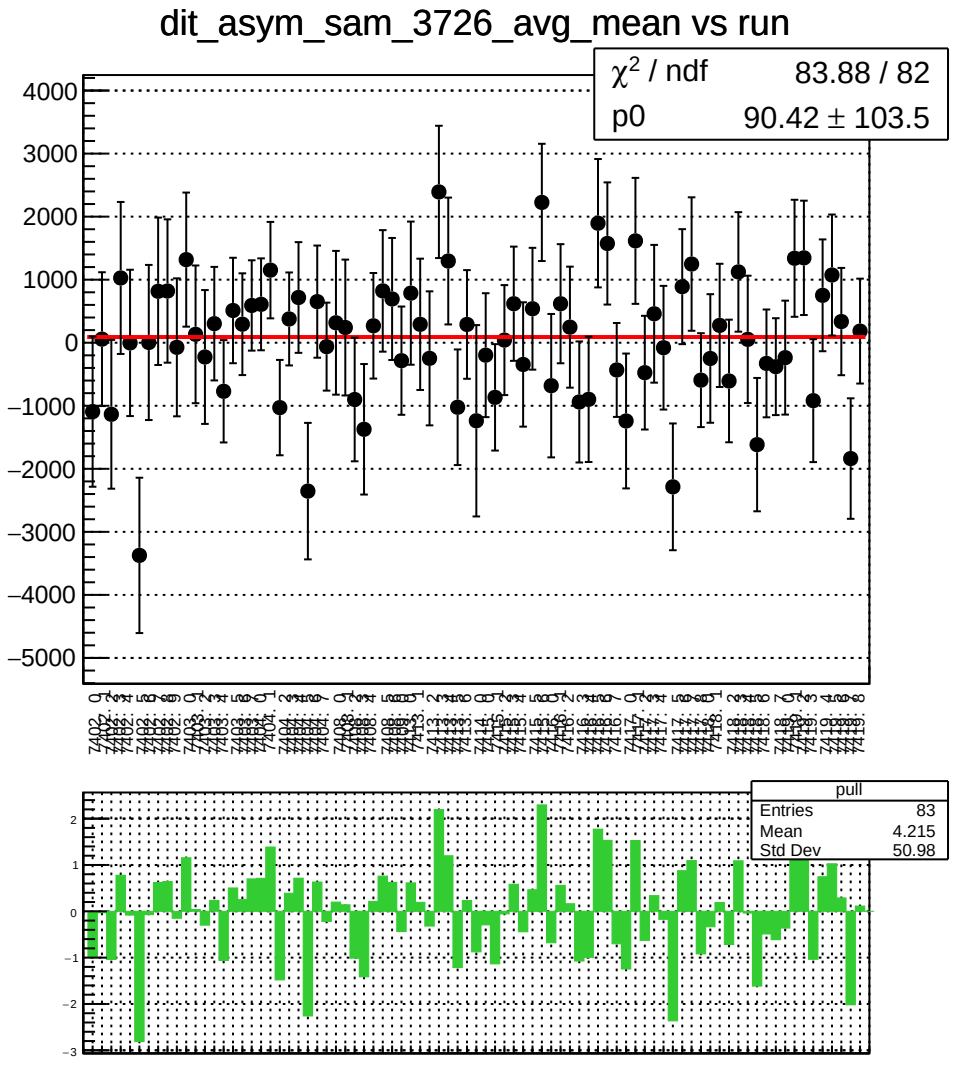

pull1D
Entries 83
Mean 0.01508
Std Dev 1.123

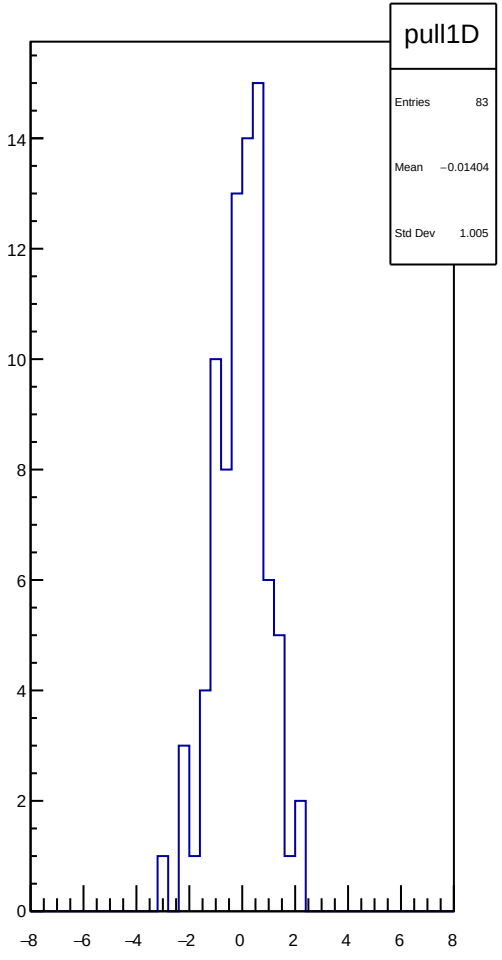

eigen_cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.522e+04 / 82
p0 56.78 ± 0.04541
70
65
60
55
50
45

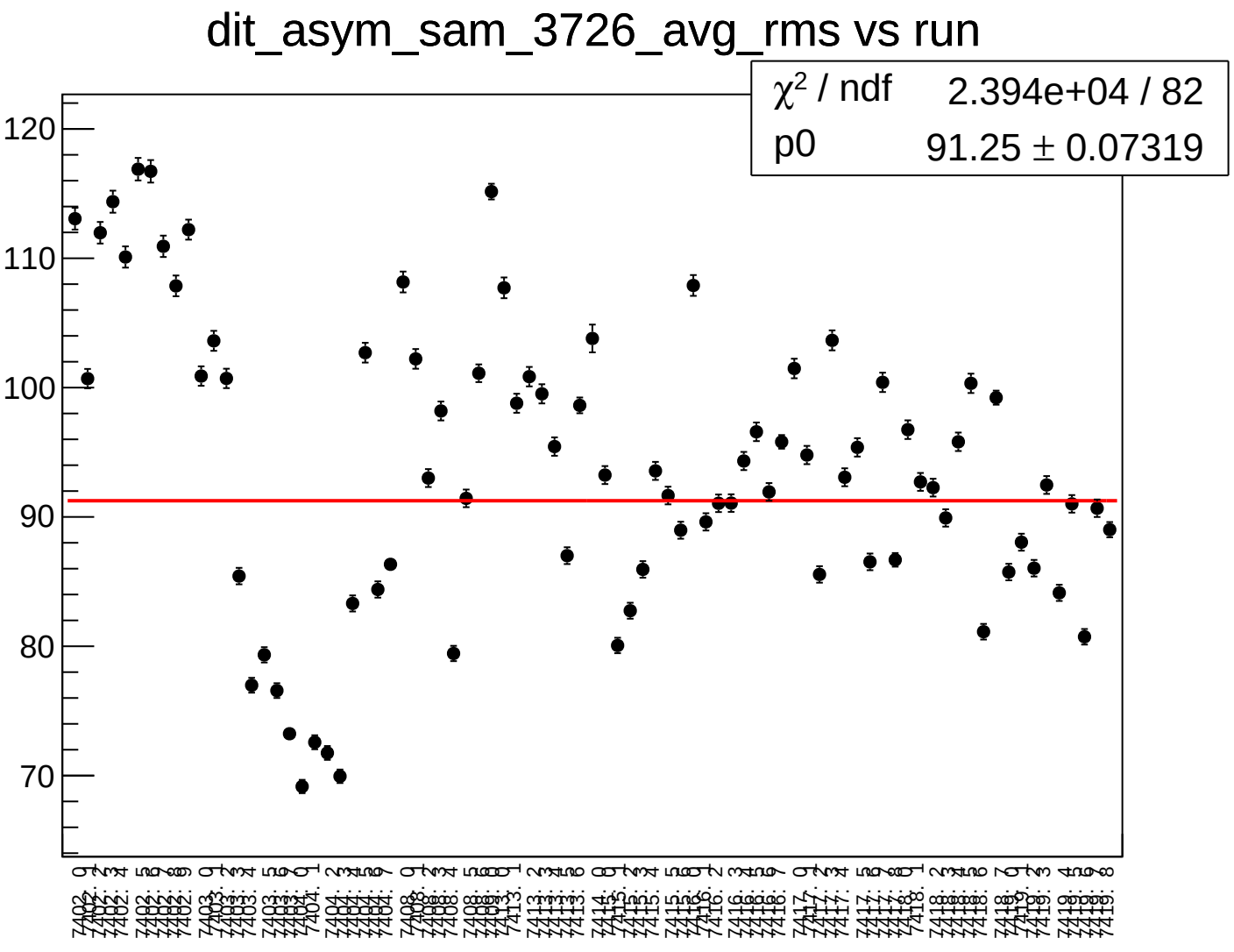

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ^2 / ndf 69.68 / 82
p0 −182.3 ± 459.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 81.8
Std Dev 24.51
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

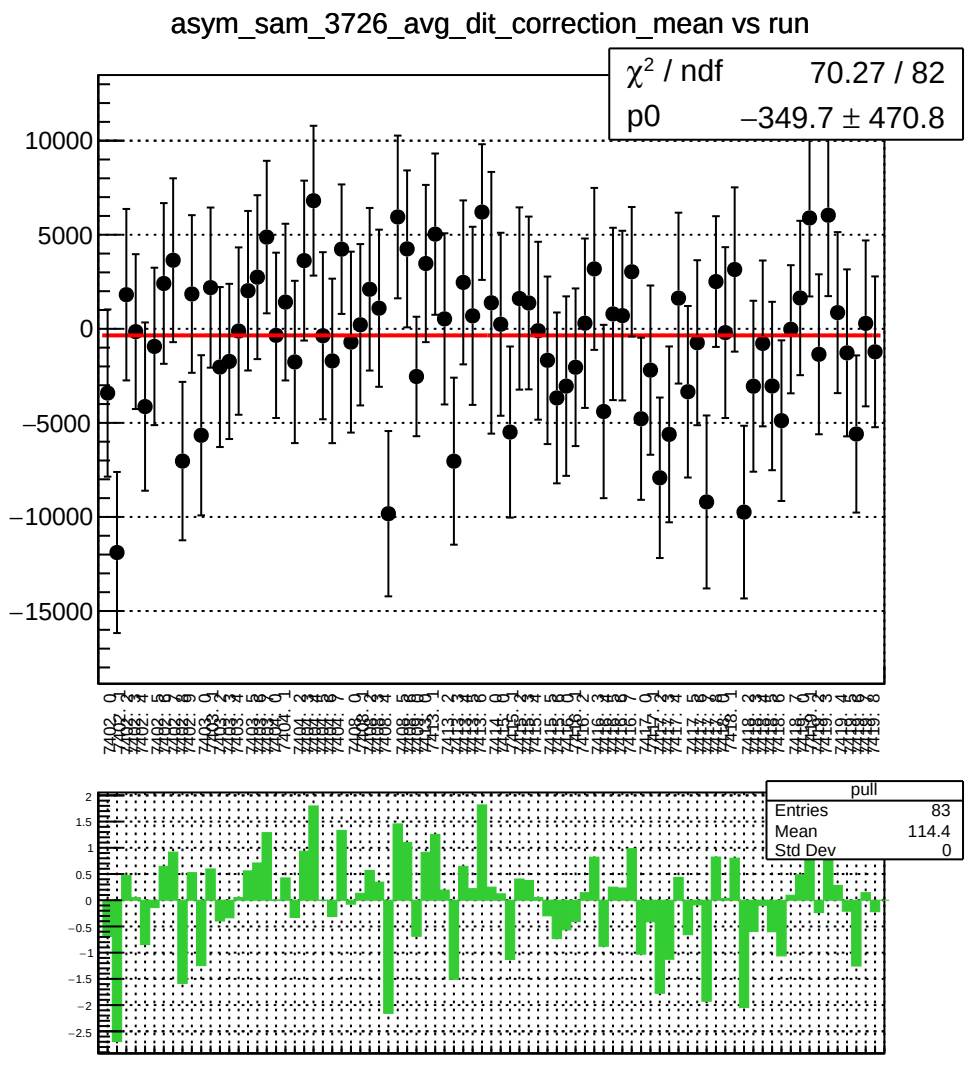

pull1D
Entries 83
Mean −0.03663
Std Dev 0.9155
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

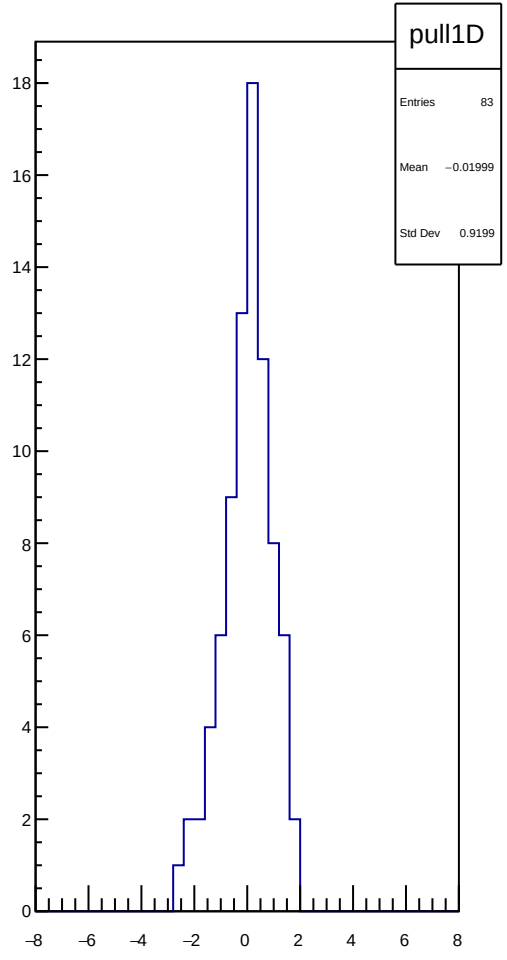

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.128e+04 / 82
p0 406.8 ± 0.3249
500
480
460
440
420
400
380
360
340

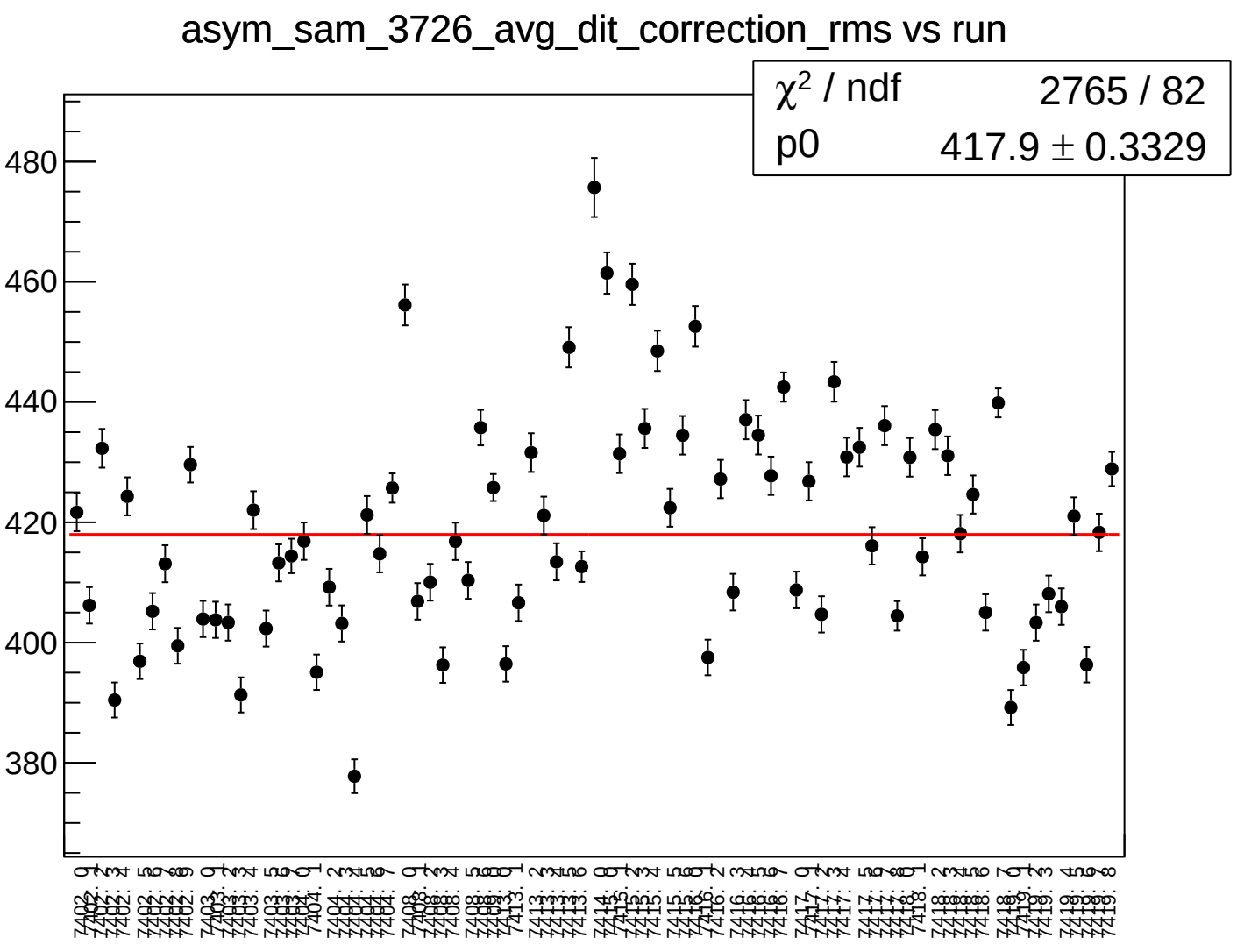

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 83.88 / 82
p0 90.42 ± 103.5
pull
Entries 83
Mean 4.215
Std Dev 50.98

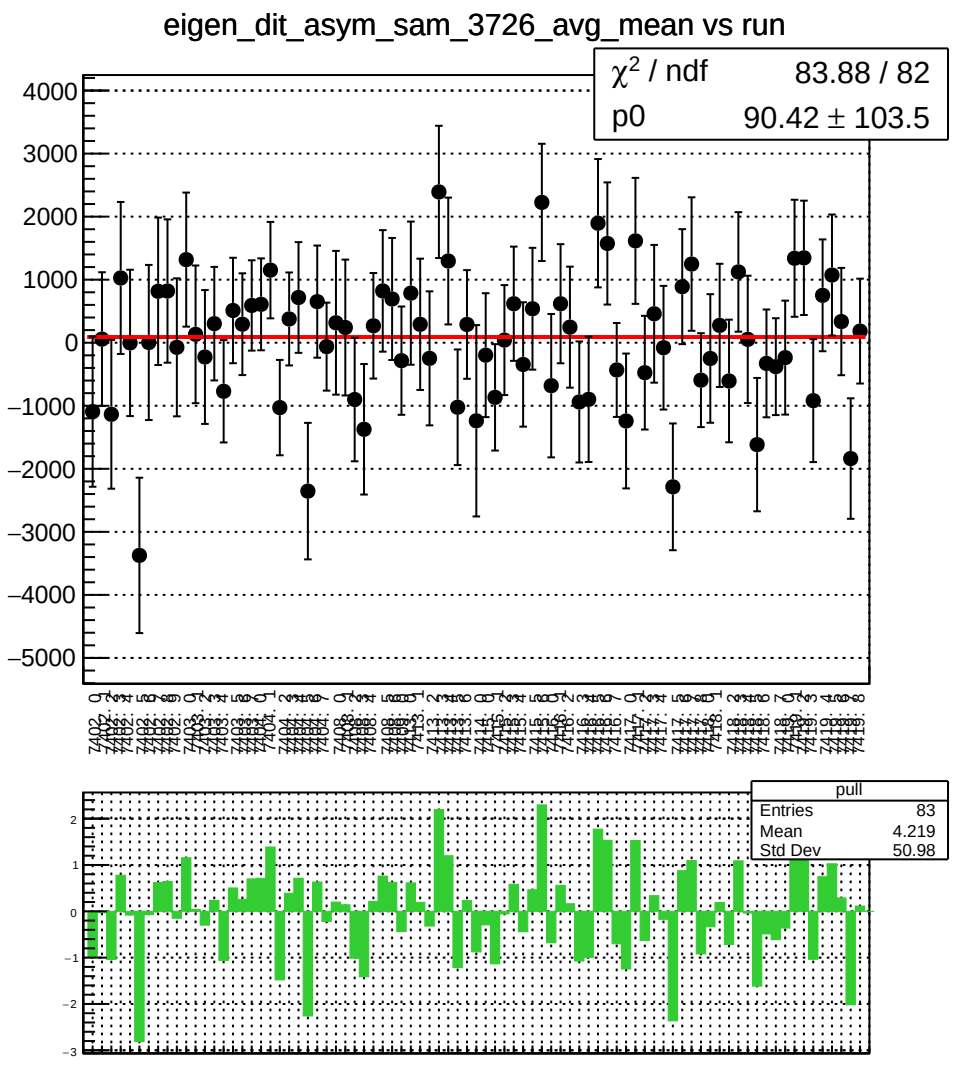

pull1D
Entries 83
Mean −0.01404
Std Dev 1.005

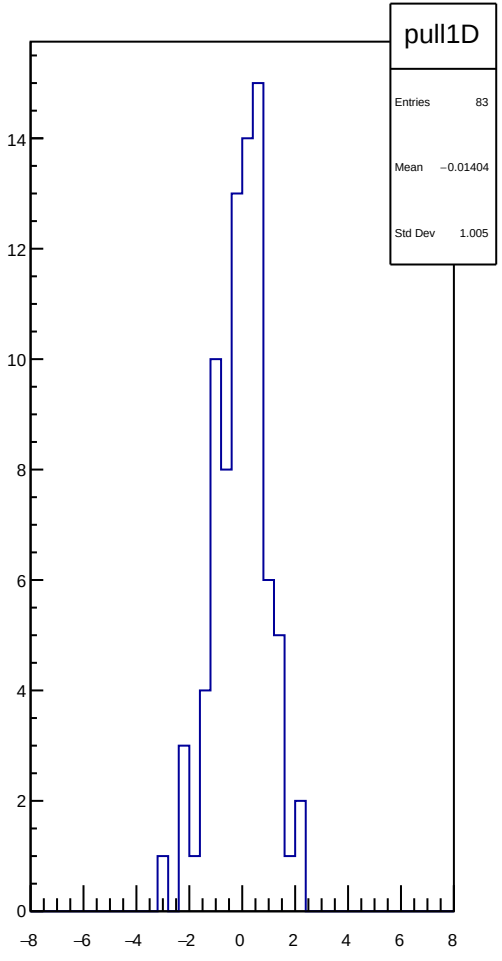

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.394e+04 / 82
p0 91.25 ± 0.07319
120
110
100
90
80
70

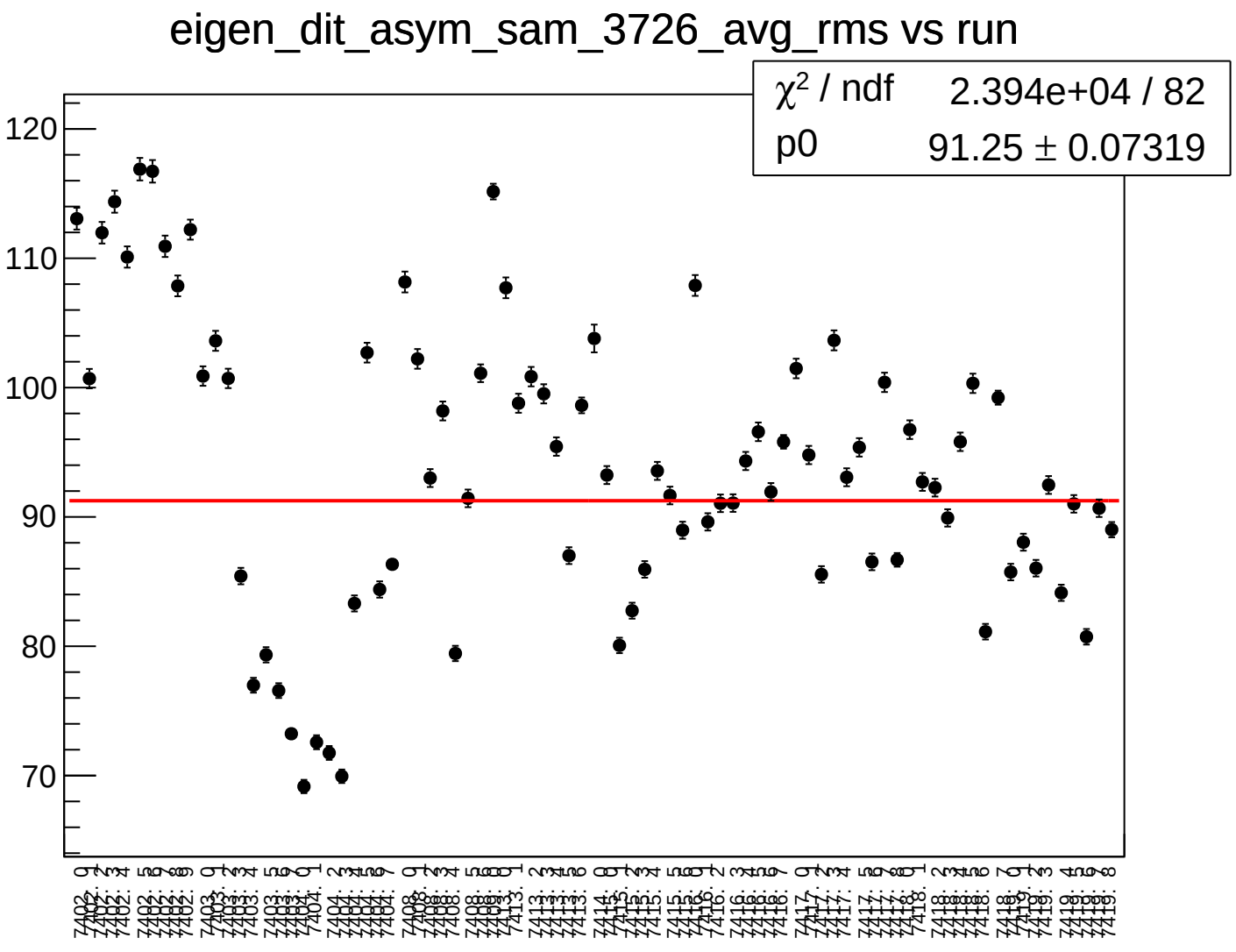

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 70.27 / 82
p0 −349.7 ± 470.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 114.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

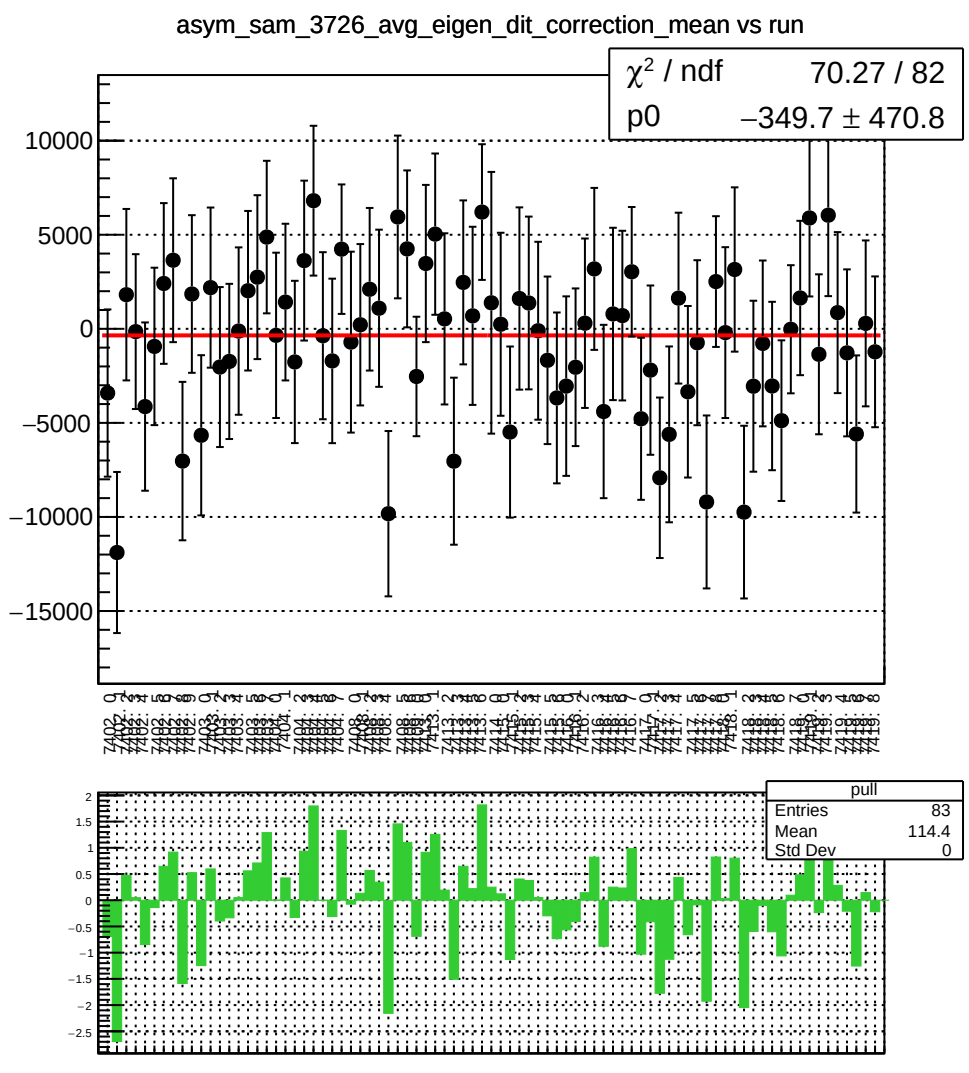

pull1D
Entries 83
Mean −0.01999
Std Dev 0.9199
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

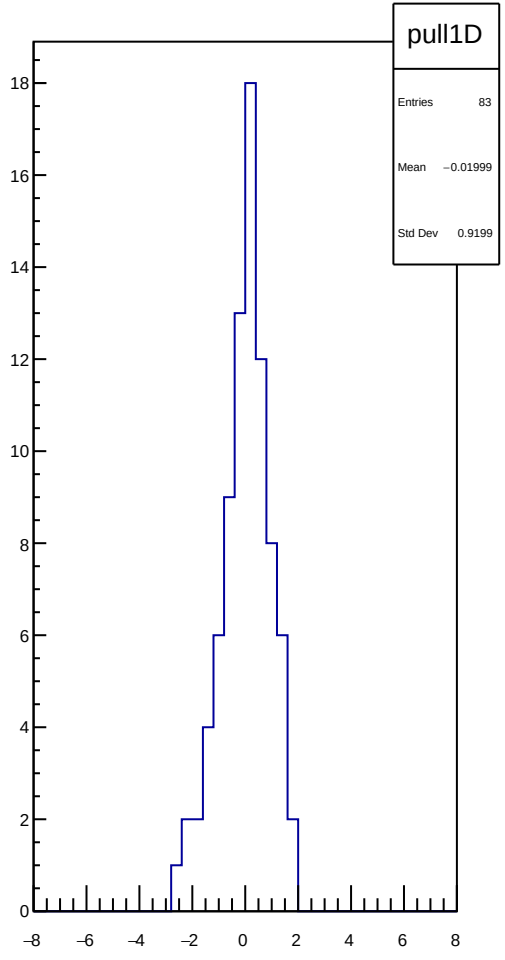

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 2765 / 82
p0 417.9 ± 0.3329
480
460
440
420
400
380

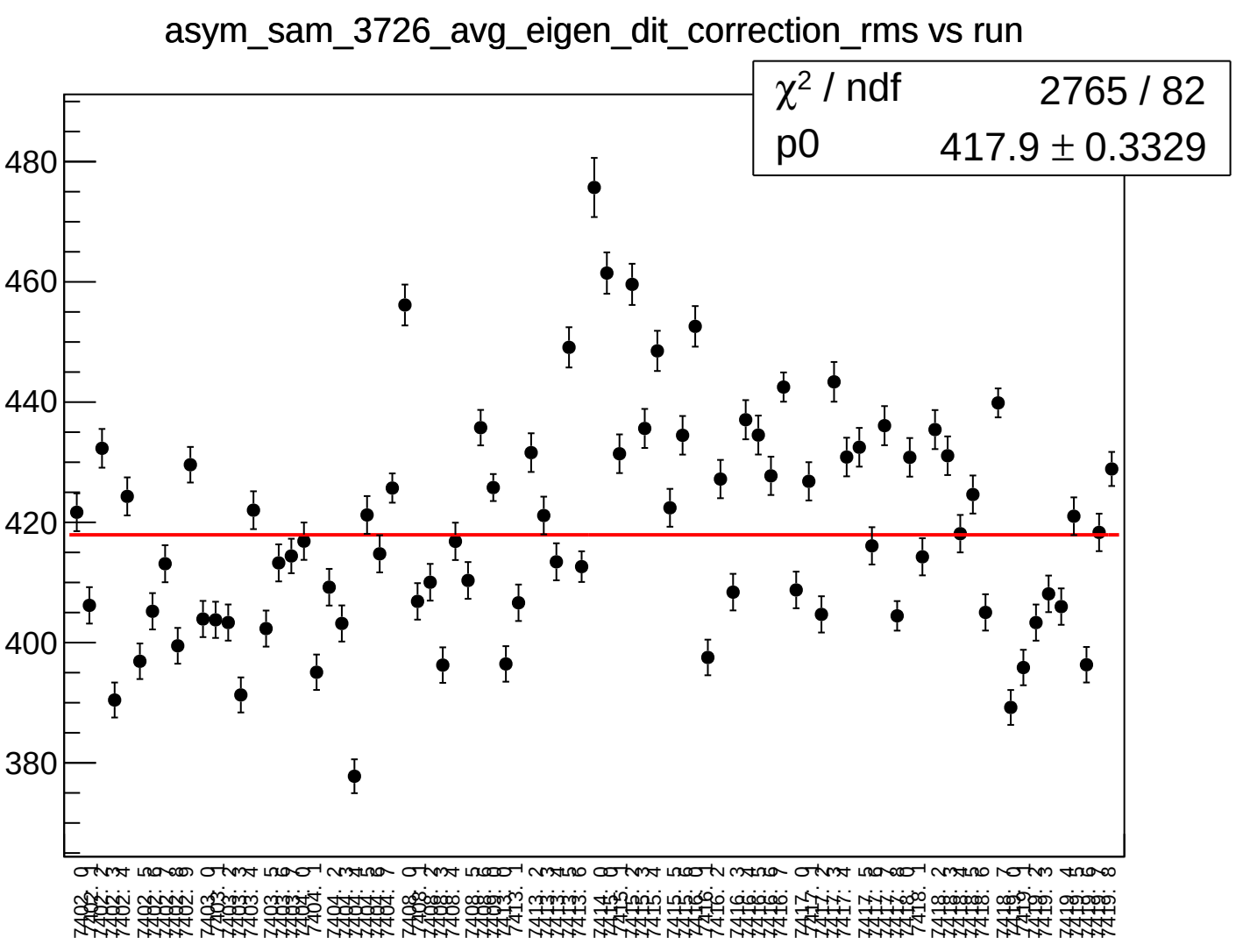

eigen_dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 83.88 / 82
p0 90.42 ± 103.5
pull
Entries 83
Mean 4.219
Std Dev 50.98

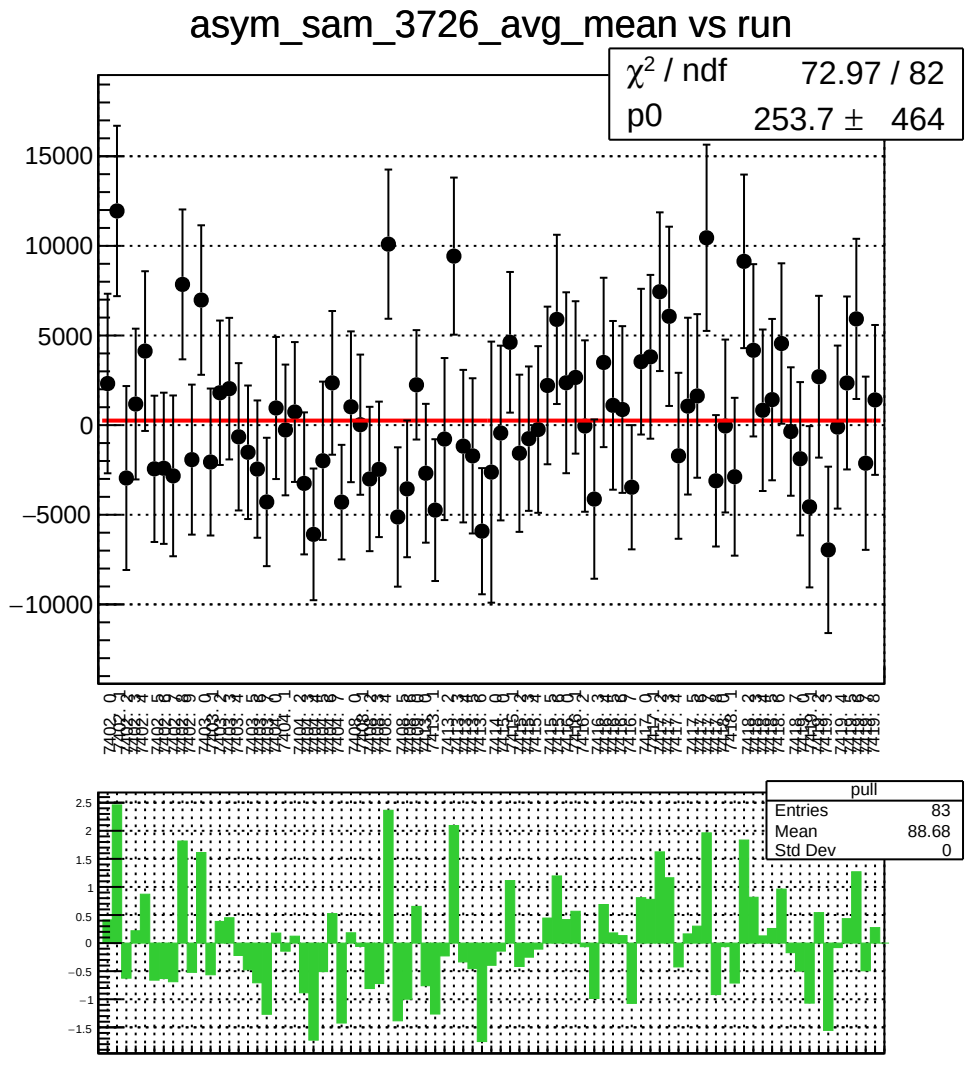

pull1D
Entries 83
Mean −0.01404
Std Dev 1.005

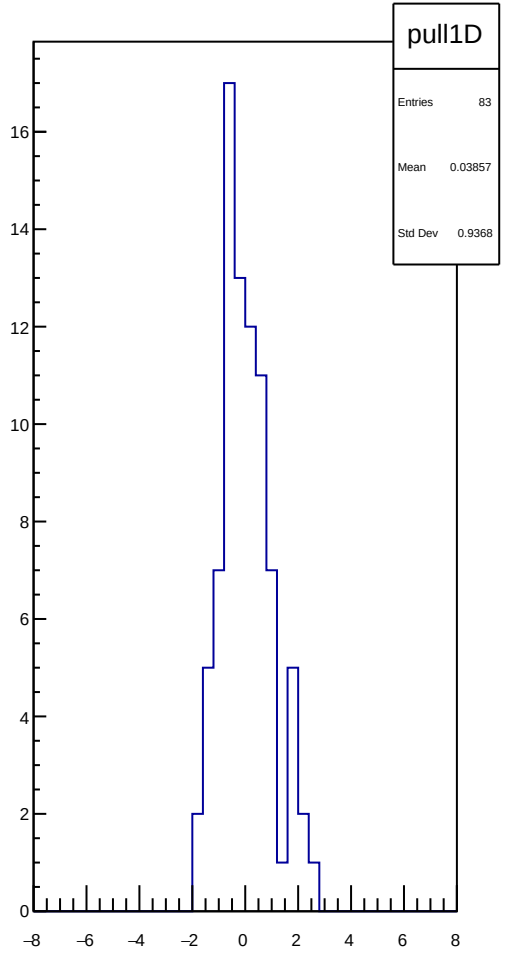

eigen_dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 2.394e+04 / 82
p0 91.25 ± 0.07319
120
110
100
90
80
70

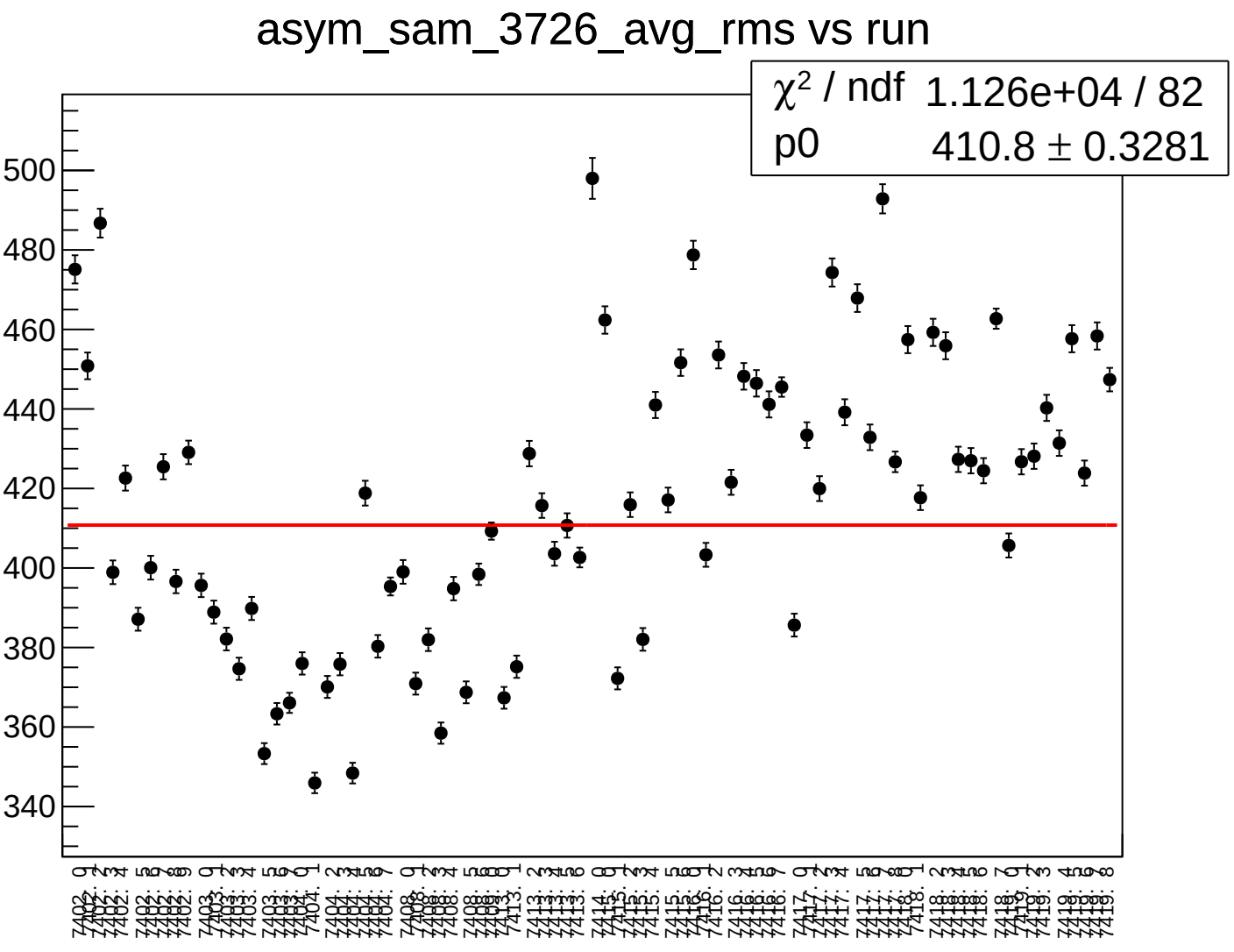

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 70.27 / 82
p0 −349.7 ± 470.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 114.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

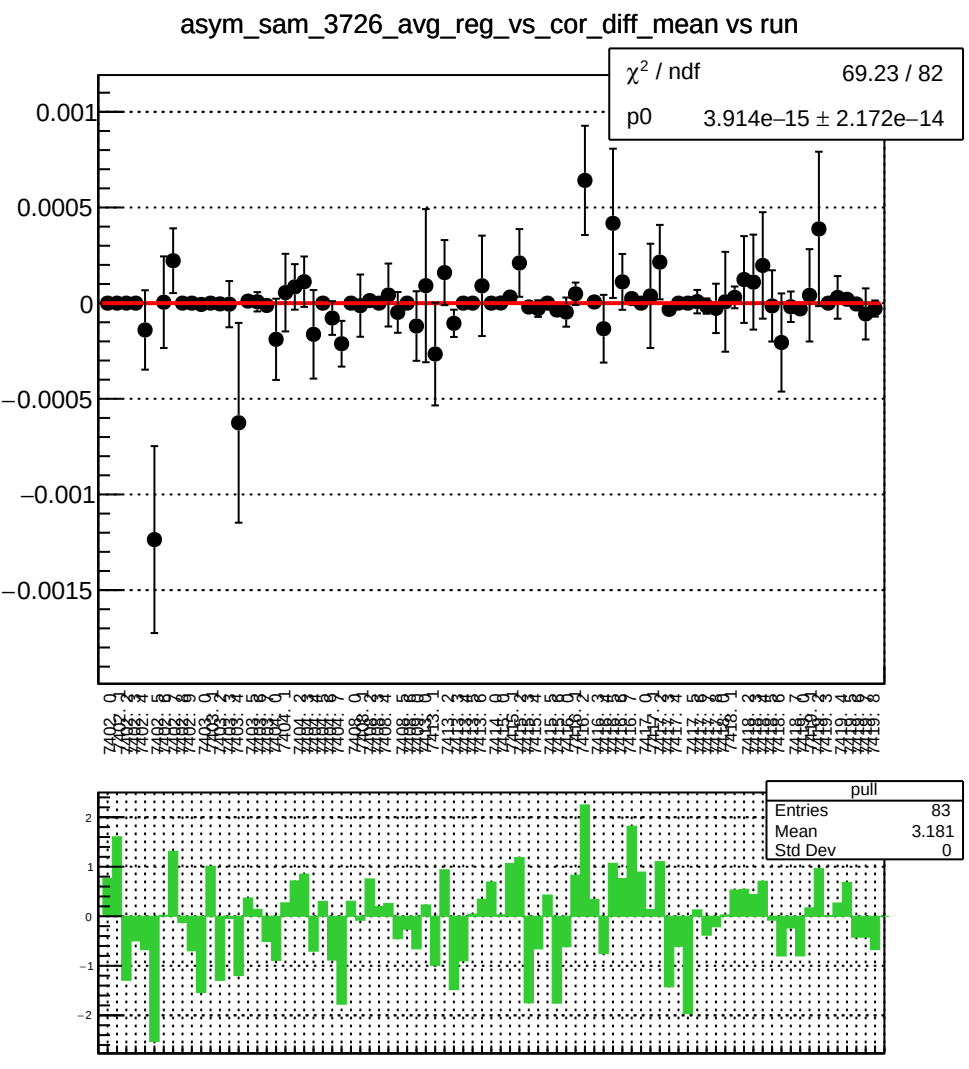

pull1D
Entries 83
Mean −0.01999
Std Dev 0.9199
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

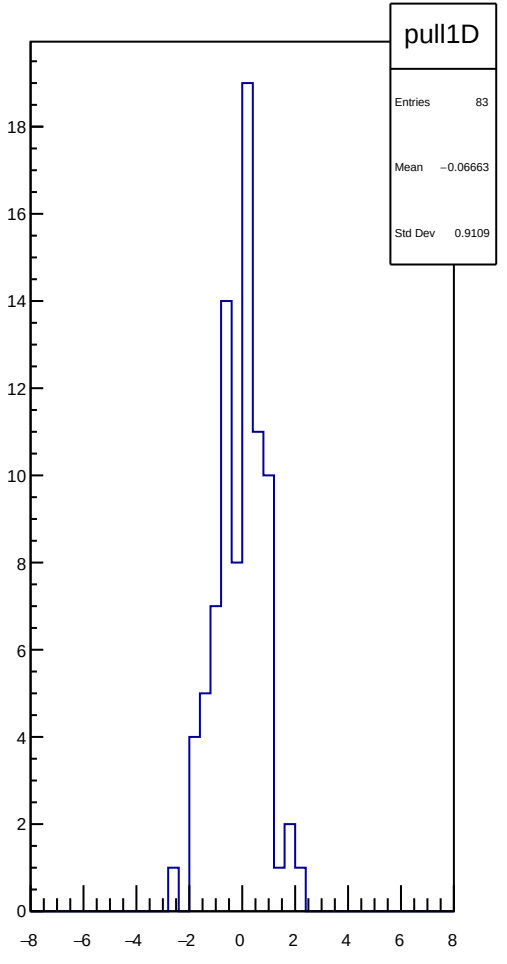

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 2765 / 82
p0 417.9 ± 0.3329
480
460
440
420
400
380

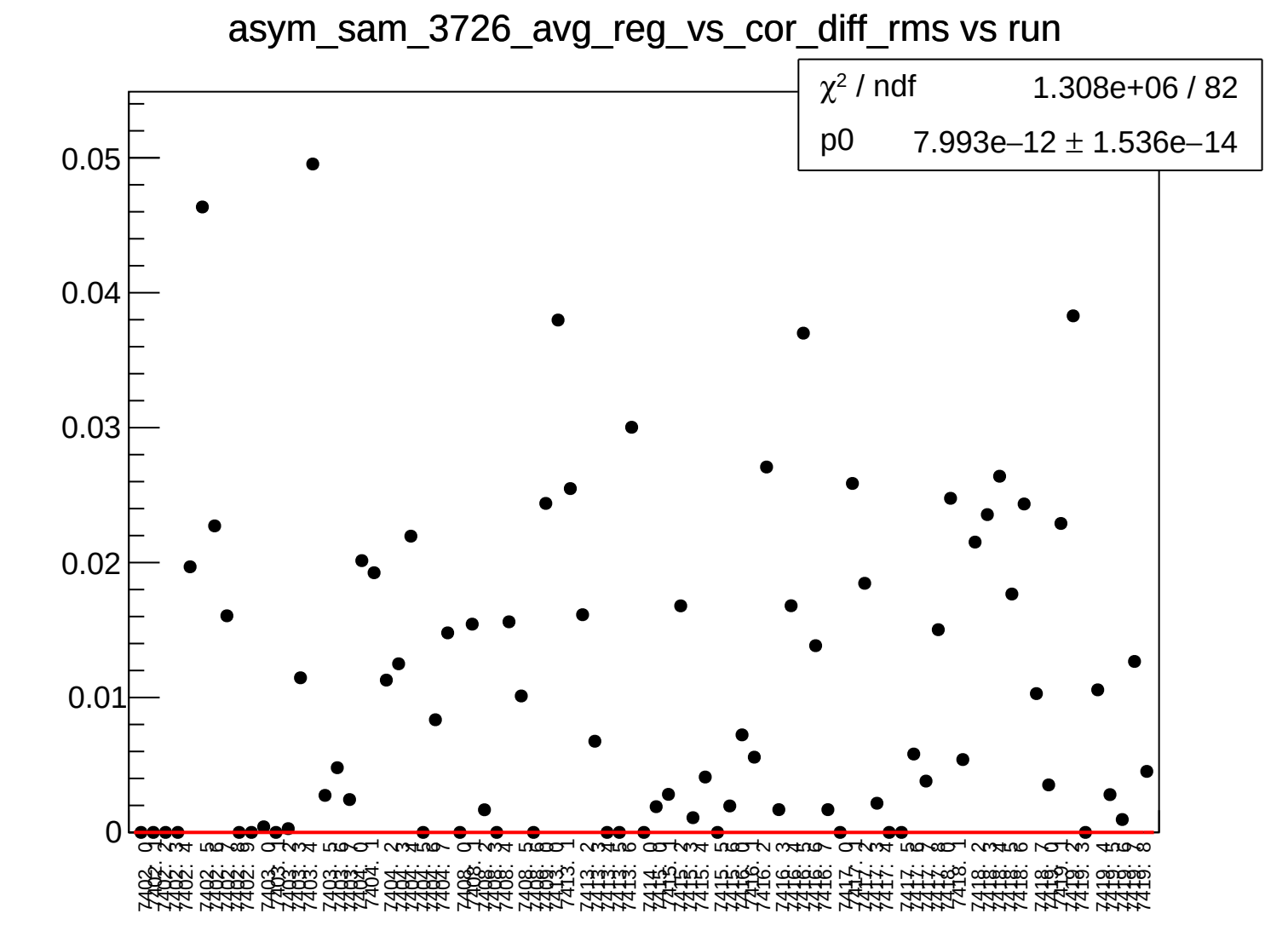

asym_sam_3726_avg_mean vs run
χ² / ndf 72.97 / 82
p0 253.7 ± 464
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 88.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

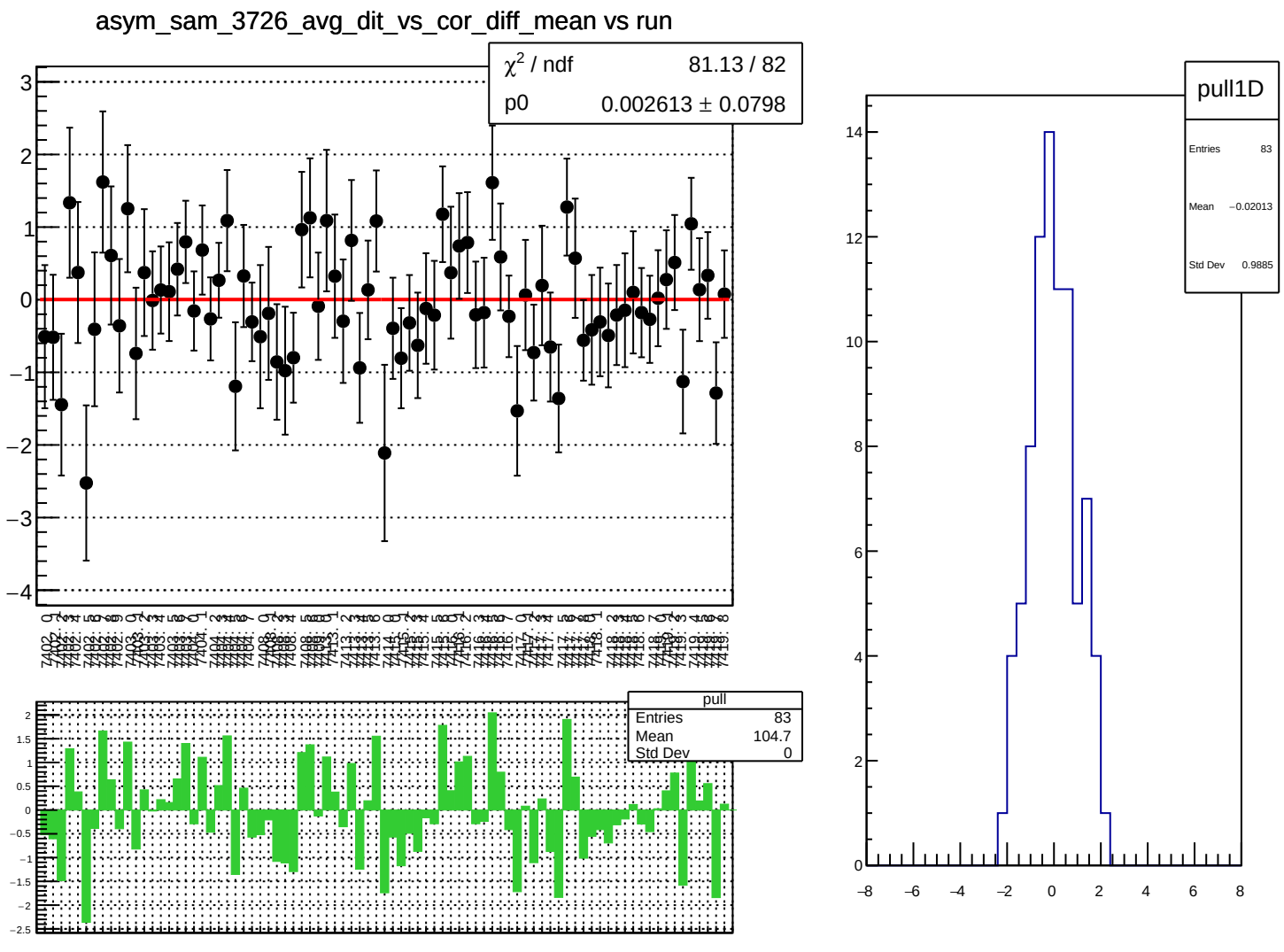

pull1D
Entries 83
Mean 0.03857
Std Dev 0.9368
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

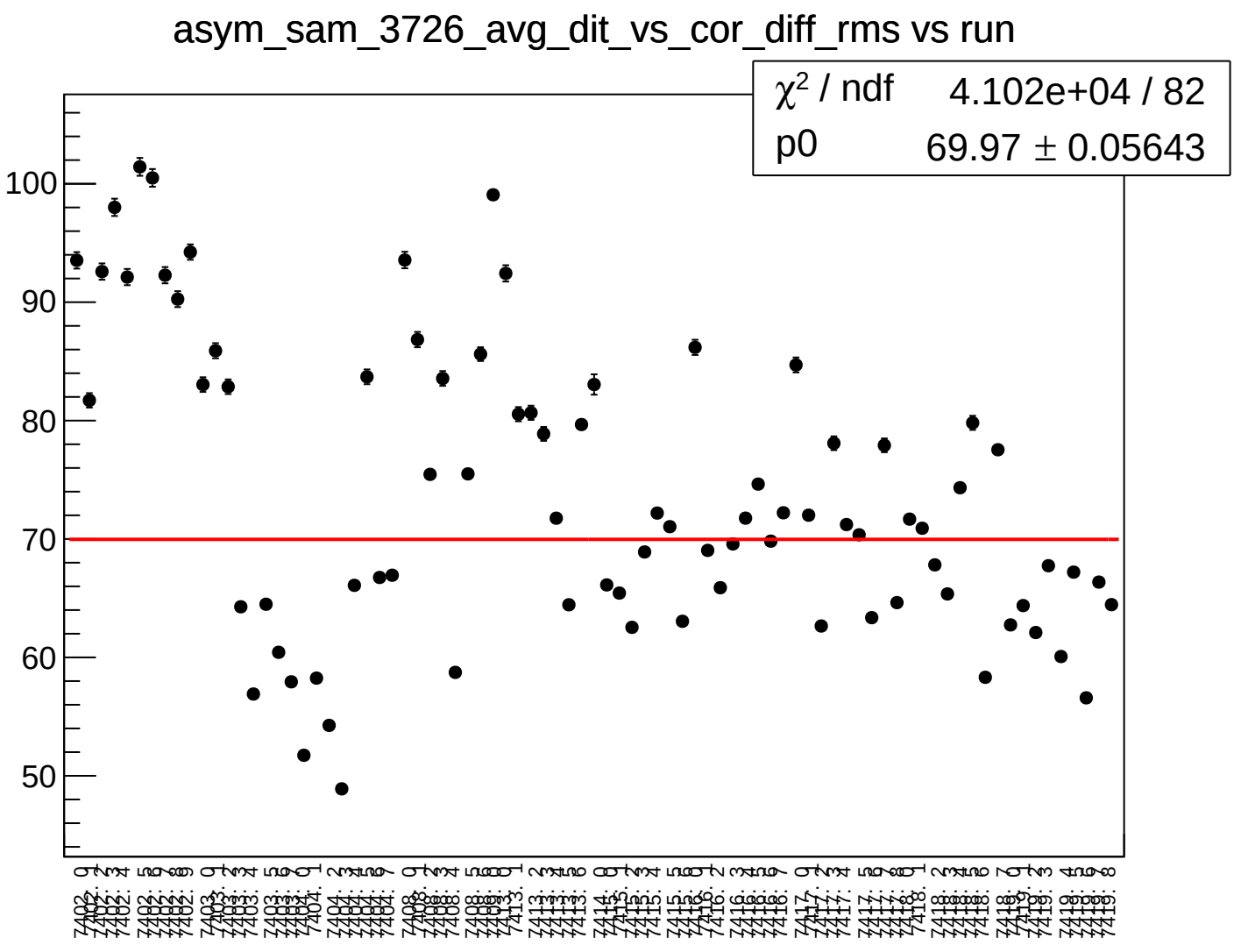

asym_sam_3726_avg_rms vs run
χ² / ndf 1.126e+04 / 82
p0 410.8 ± 0.3281
500
480
460
440
420
400
380
360
340

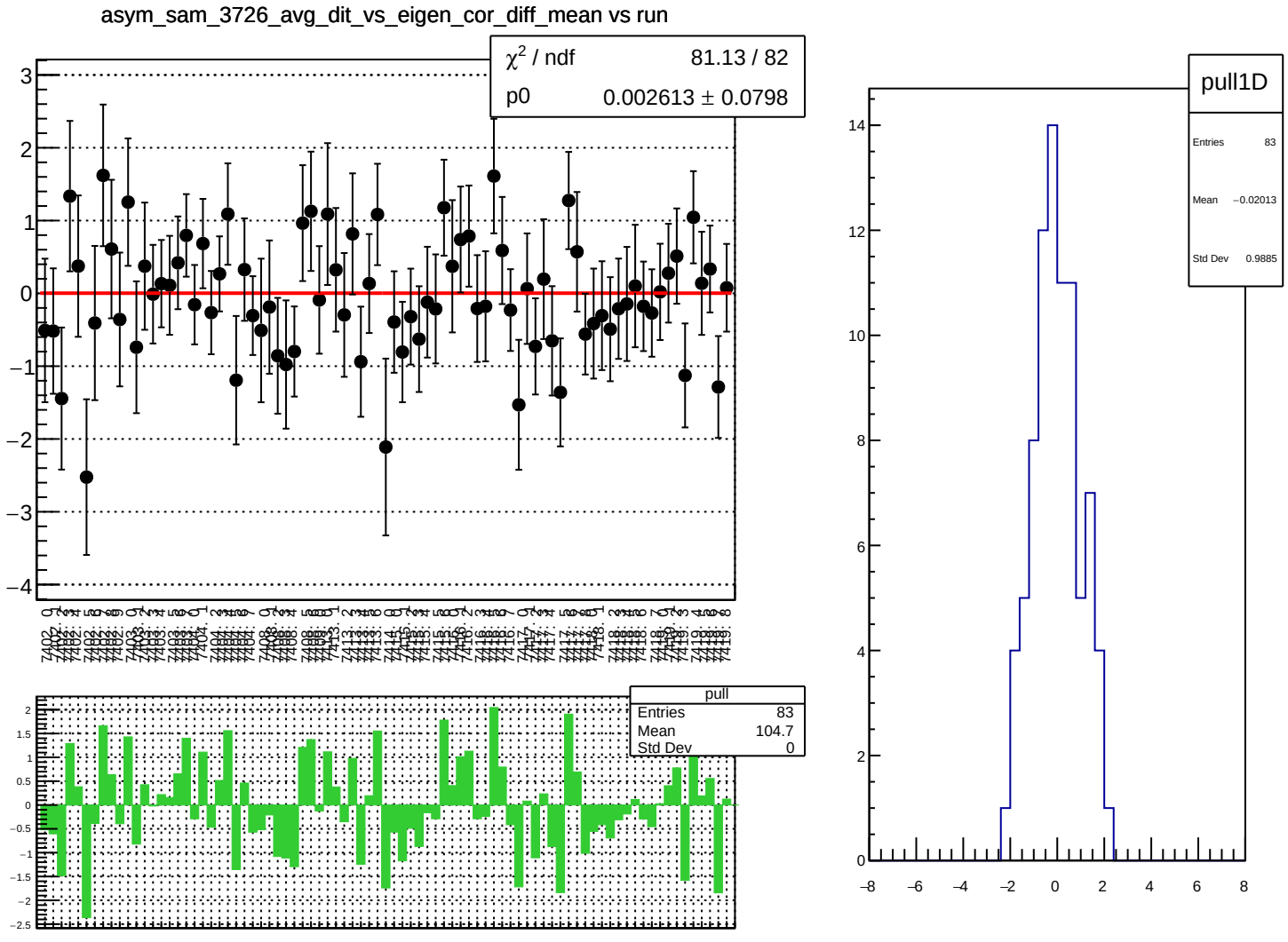

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.23 / 82
p0 3.914e−15 ± 2.172e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 83
Mean 3.181
Std Dev 0
2
1
0
−1
−2

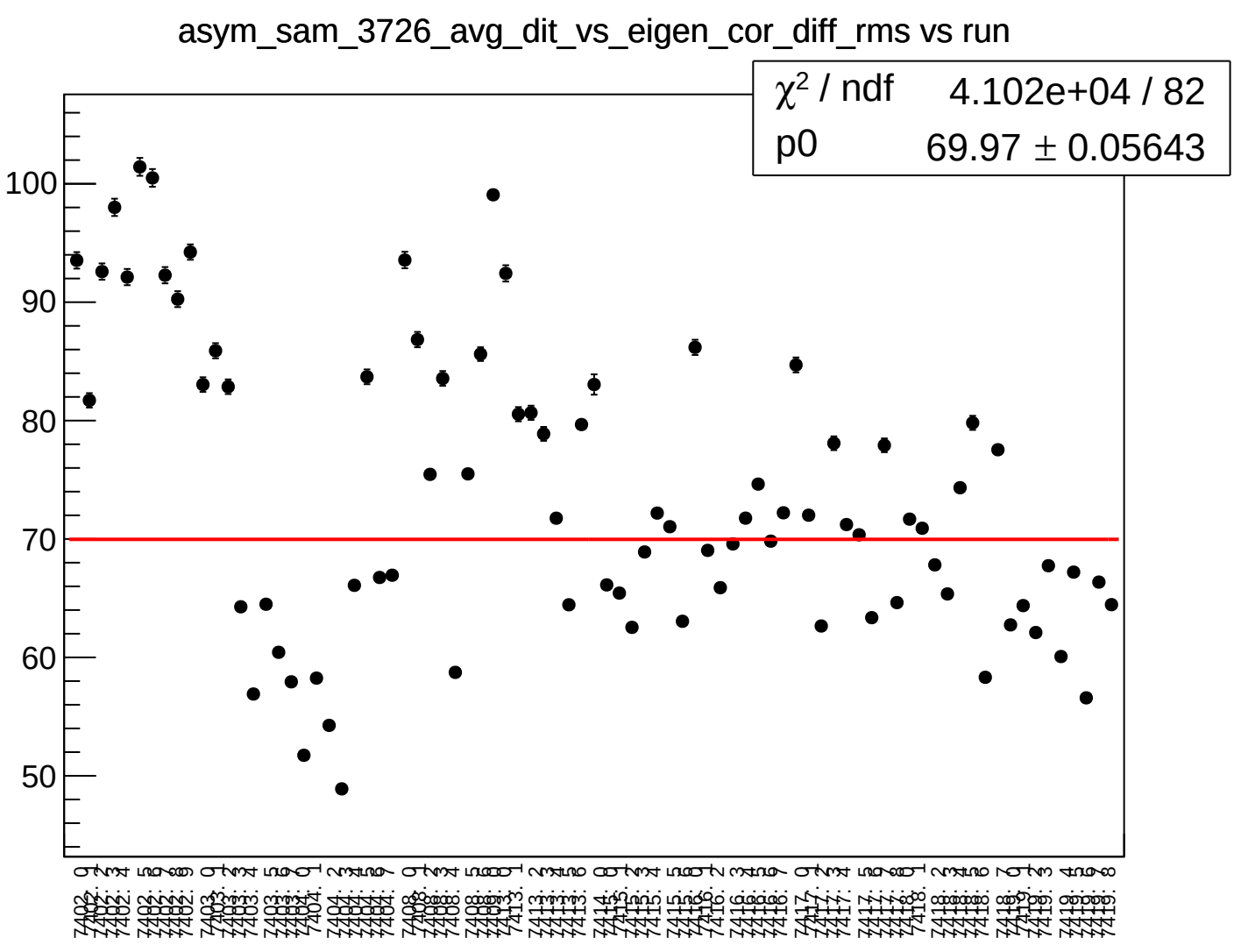

pull1D
Entries 83
Mean −0.06663
Std Dev 0.9109
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

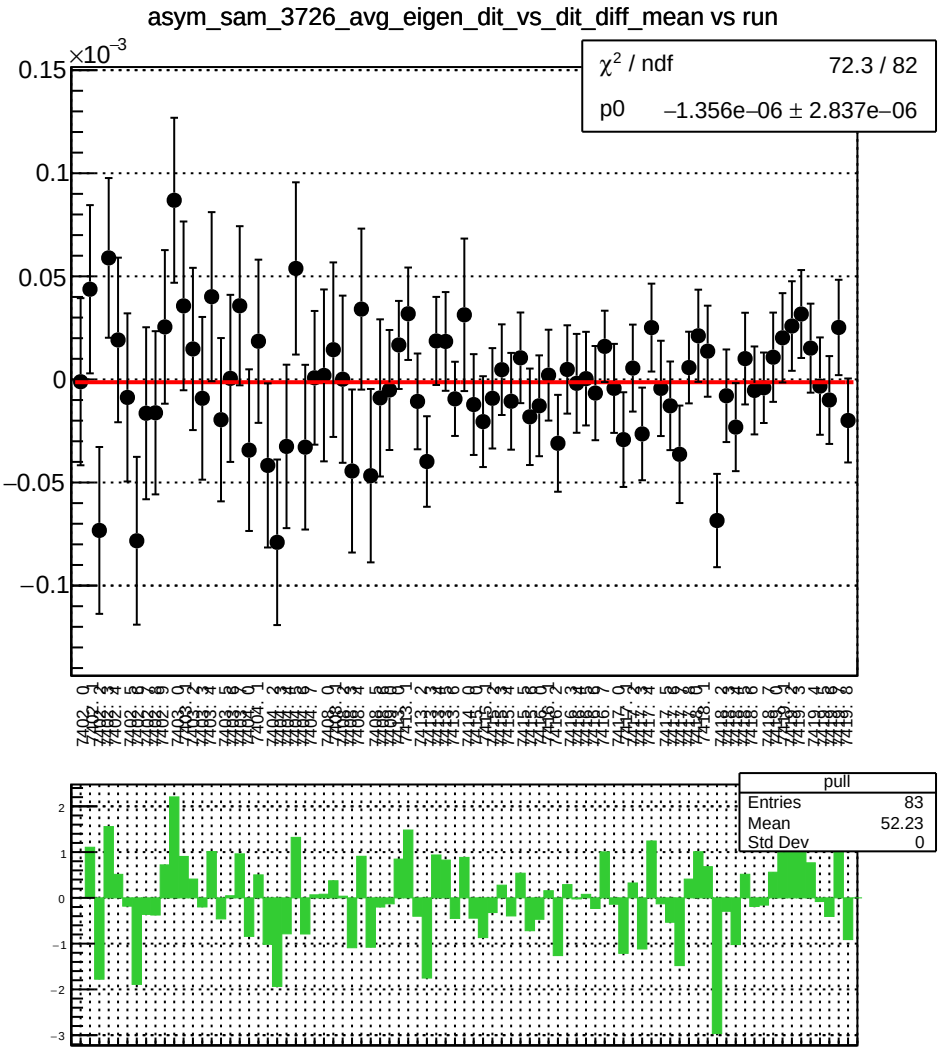

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.308e+06 / 82
p0 7.993e−12 ± 1.536e−14
0.05
0.04
0.03
0.02
0.01
0

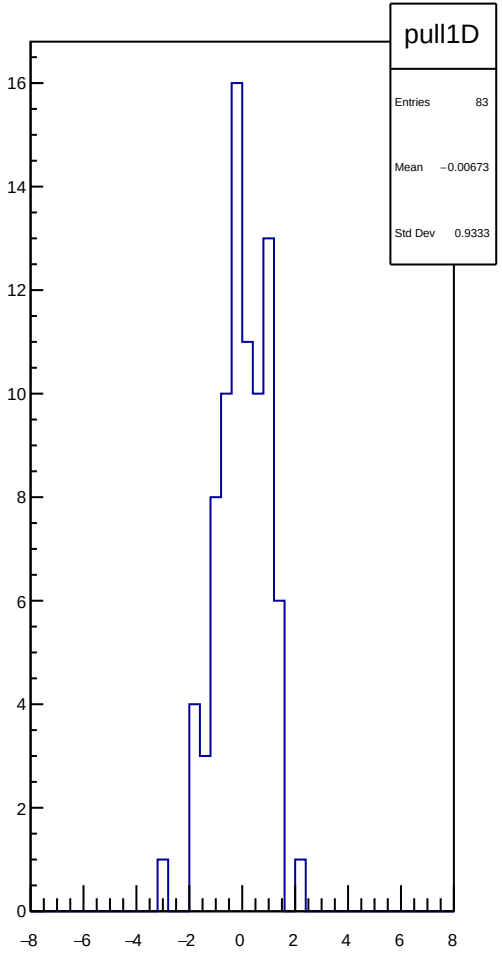

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 81.13 / 82
p0 0.002613 ± 0.0798
pull
Entries 83
Mean 104.7
Std Dev 0
pull1D
Entries 83
Mean −0.02013
Std Dev 0.9885

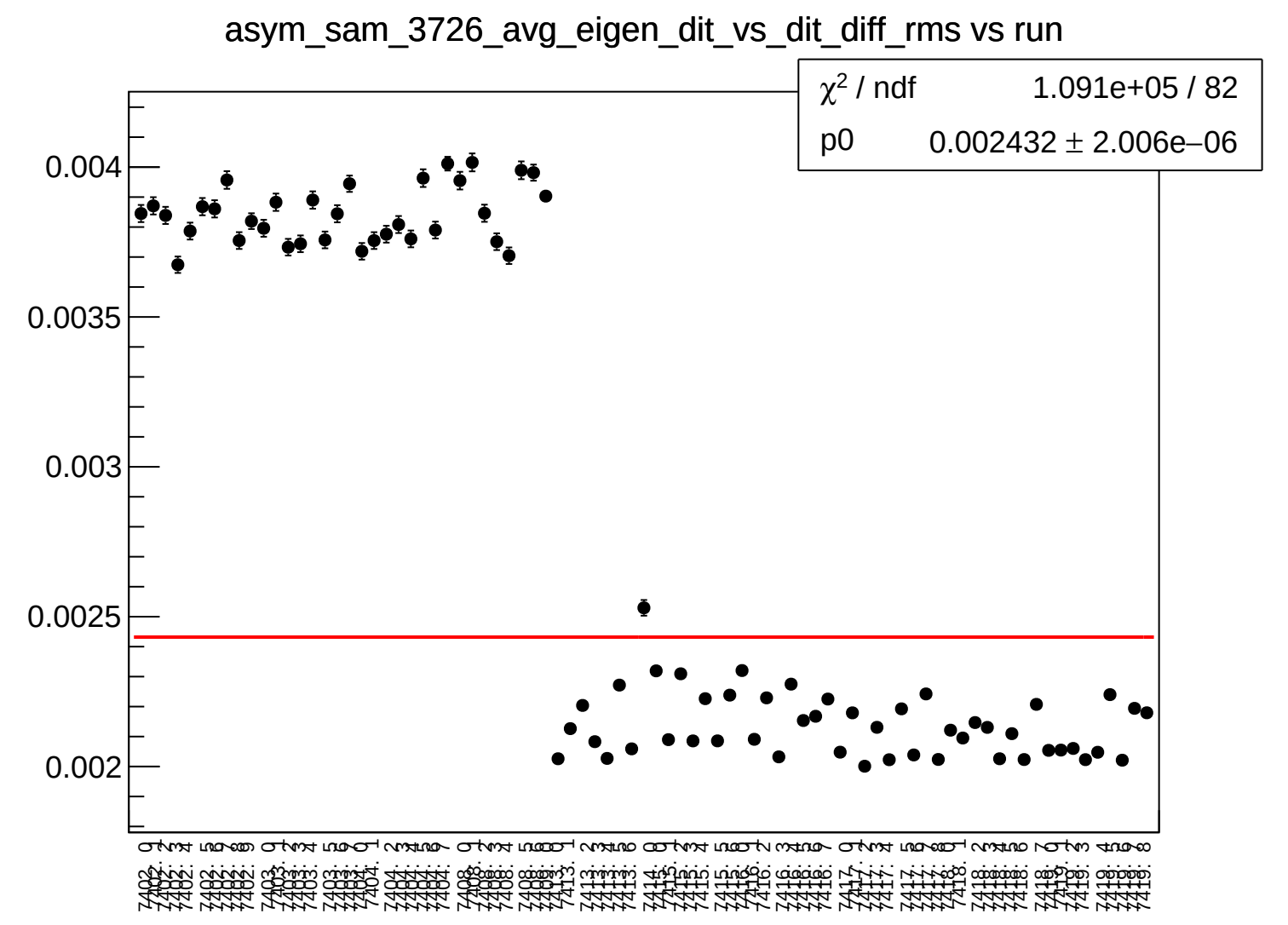

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.102e+04 / 82
p0 69.97 ± 0.05643
100
90
80
70
60
50

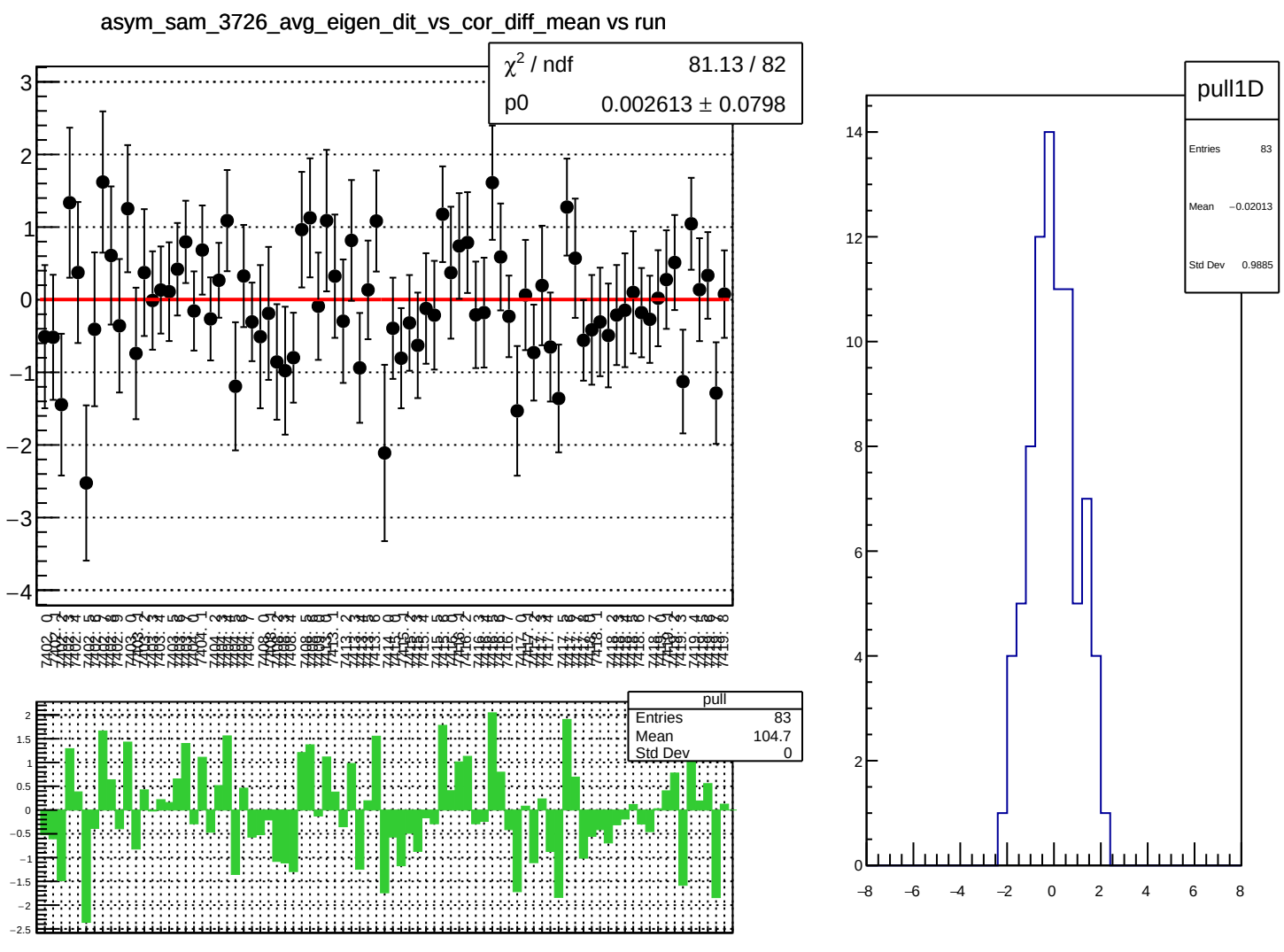

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.13 / 82
p0 0.002613 ± 0.0798
pull
Entries 83
Mean 104.7
Std Dev 0
pull1D
Entries 83
Mean −0.02013
Std Dev 0.9885

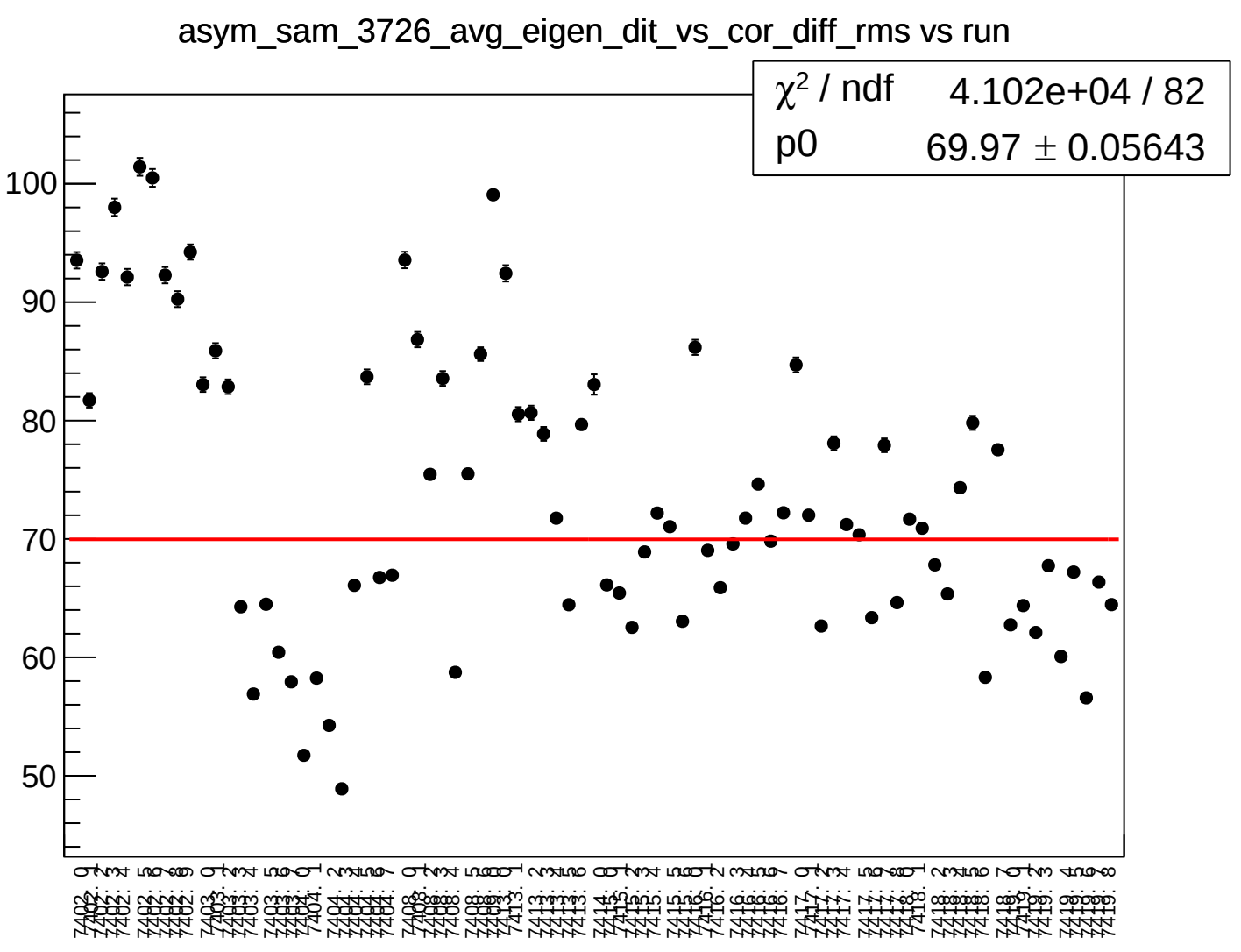

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.102e+04 / 82
p0 69.97 ± 0.05643
100
90
80
70
60
50

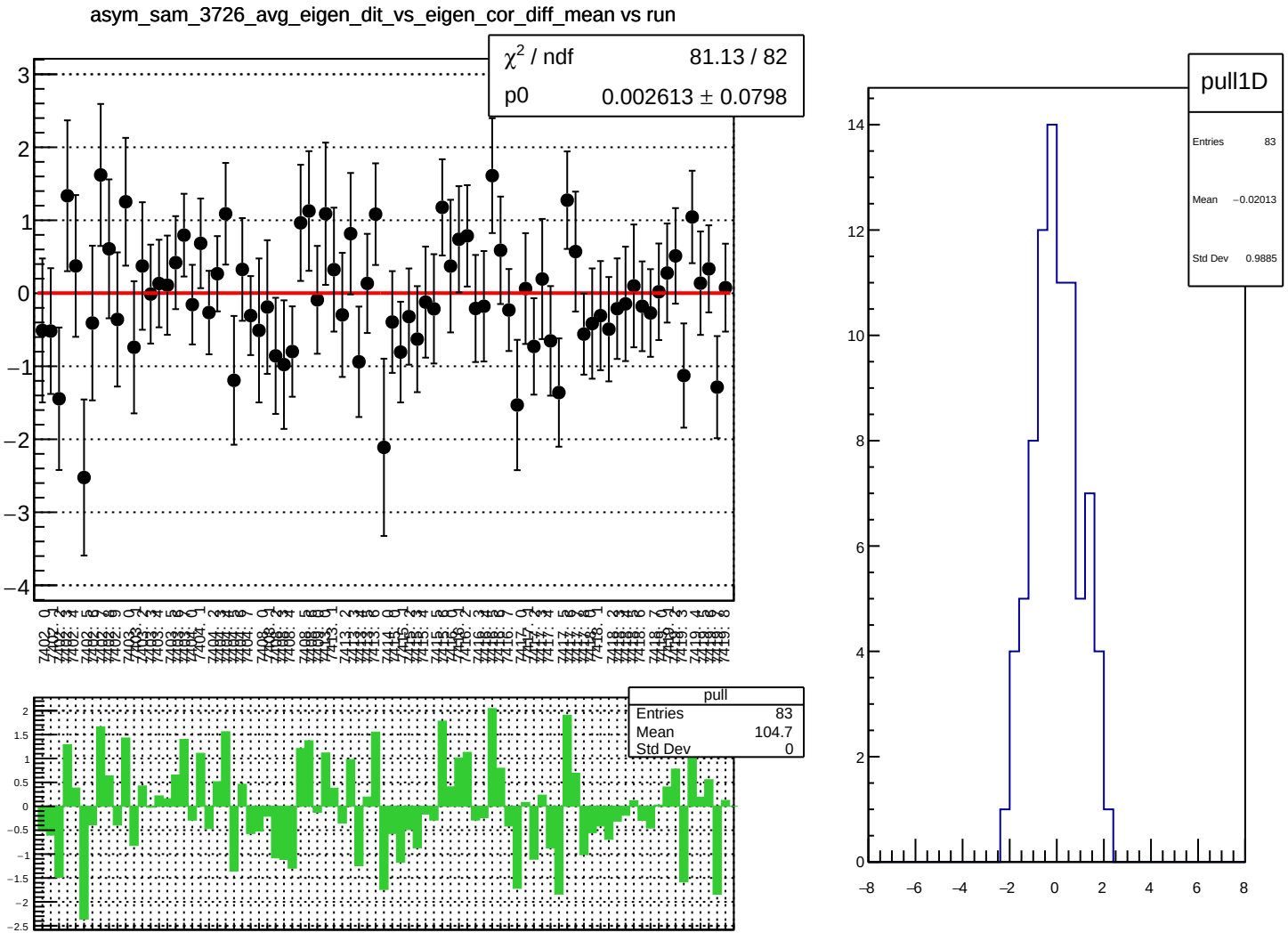

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.3 / 82
p0 −1.356e−06 ± 2.837e−06
pull
Entries 83
Mean 52.23
Std Dev 0

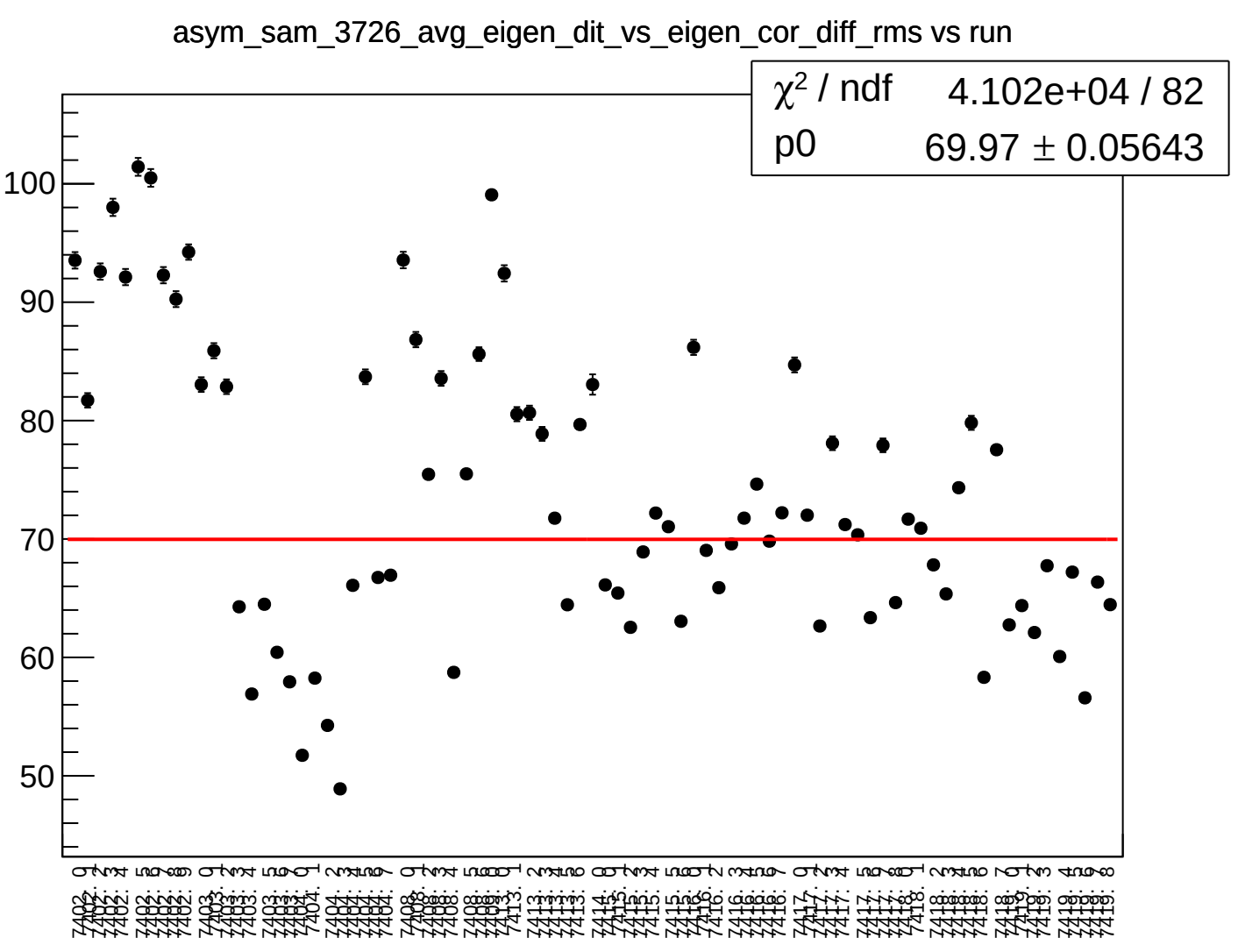

pull1D
Entries 83
Mean −0.00673
Std Dev 0.9333

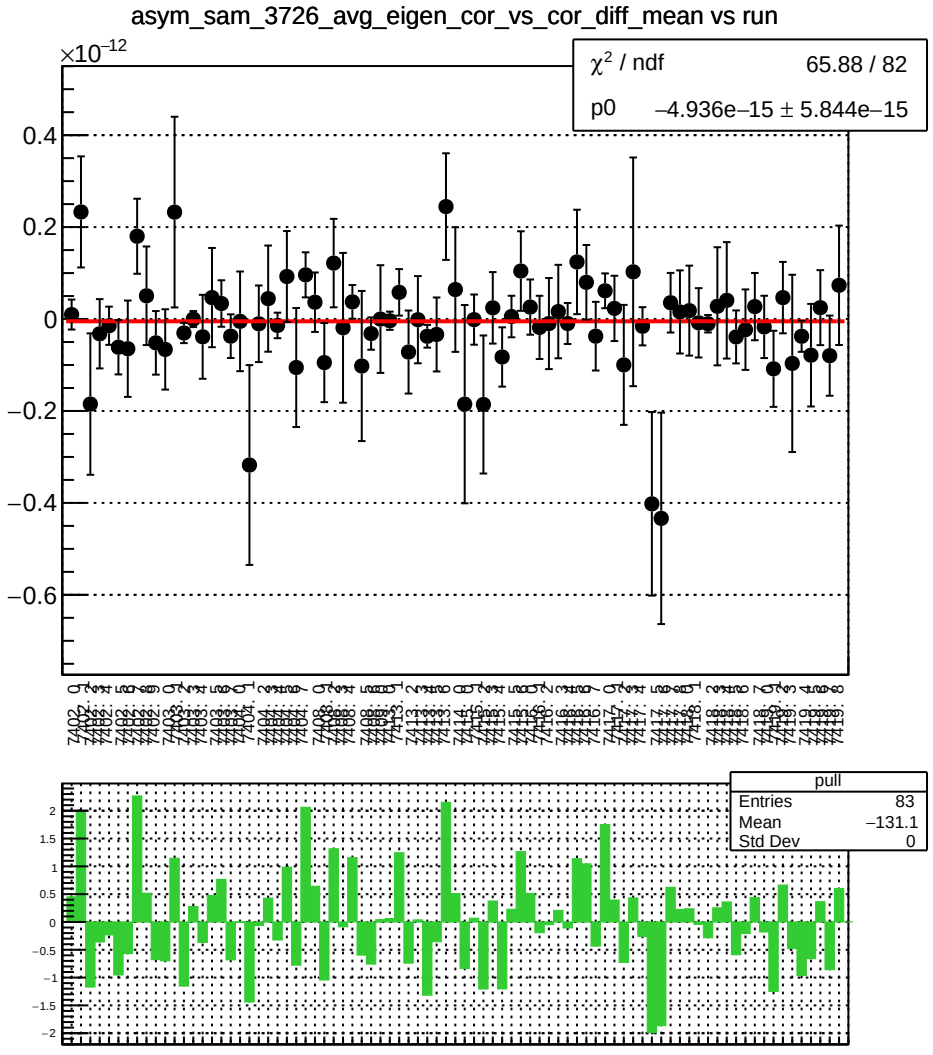

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.091e+05 / 82
p0 0.002432 ± 2.006e−06
0.004
0.0035
0.003
0.0025
0.002

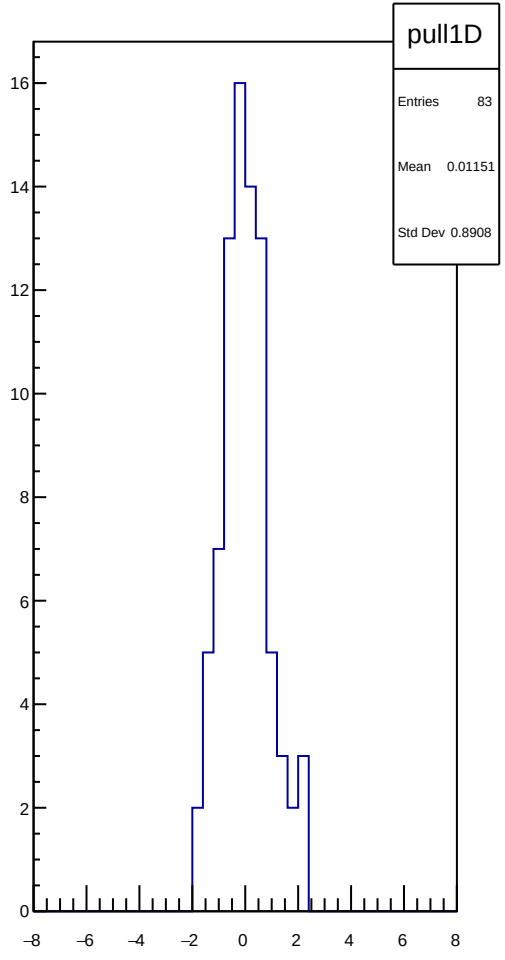

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.13 / 82
p0 0.002613 ± 0.0798
pull
Entries 83
Mean 104.7
Std Dev 0
pull1D
Entries 83
Mean −0.02013
Std Dev 0.9885

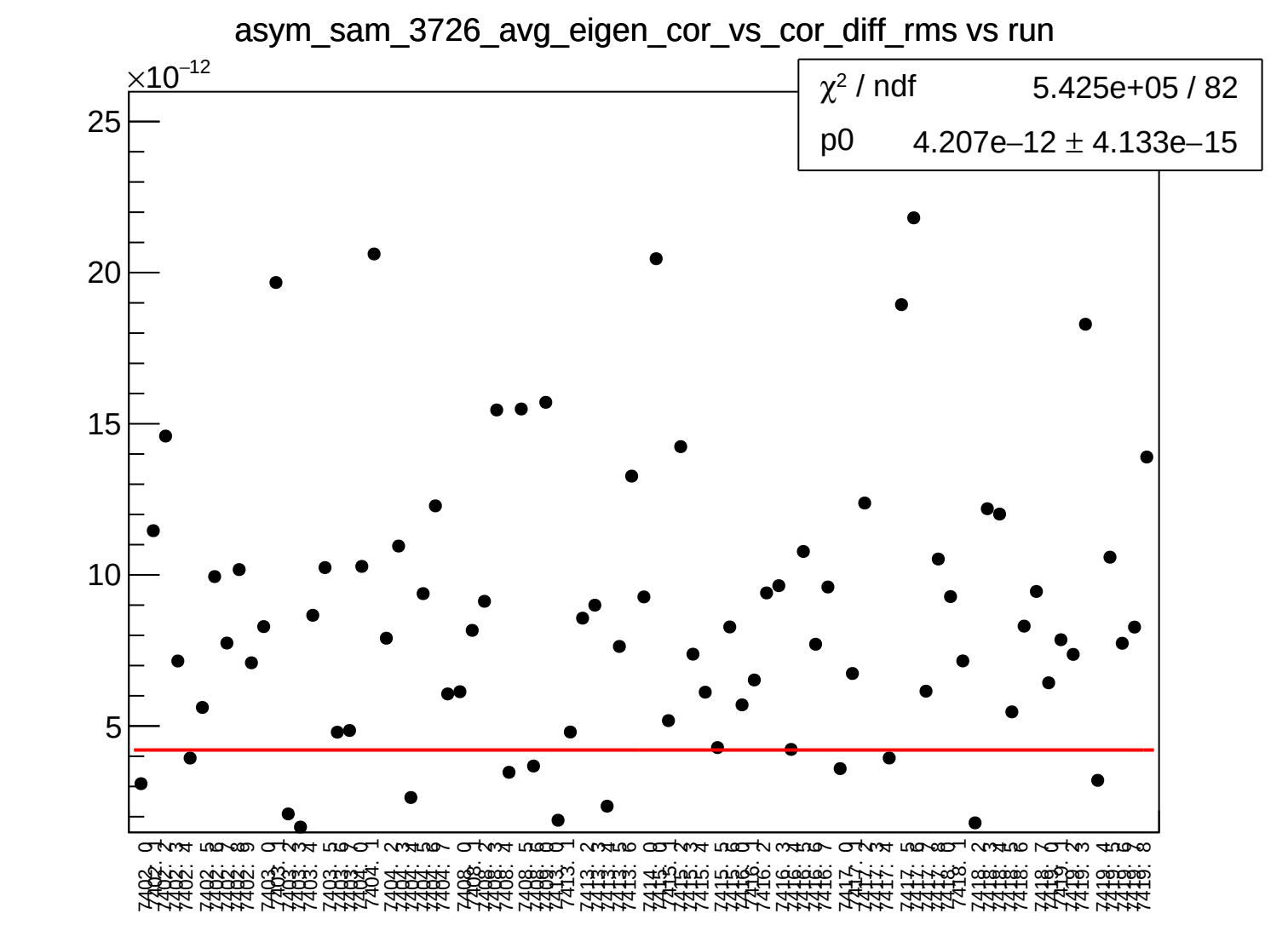

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.102e+04 / 82
p0 69.97 ± 0.05643
100
90
80
70
60
50

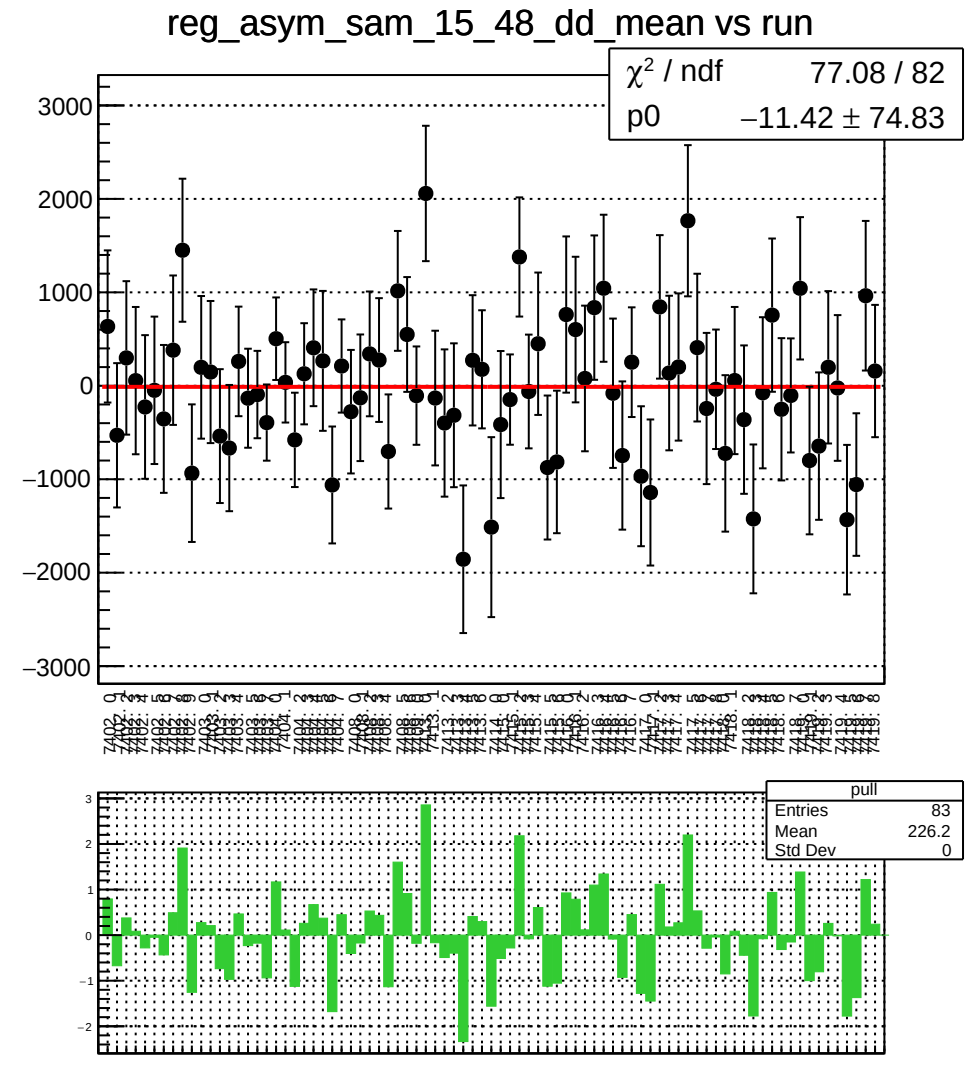

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.13 / 82
p0 0.002613 ± 0.0798
pull
Entries 83
Mean 104.7
Std Dev 0
pull1D
Entries 83
Mean −0.02013
Std Dev 0.9885

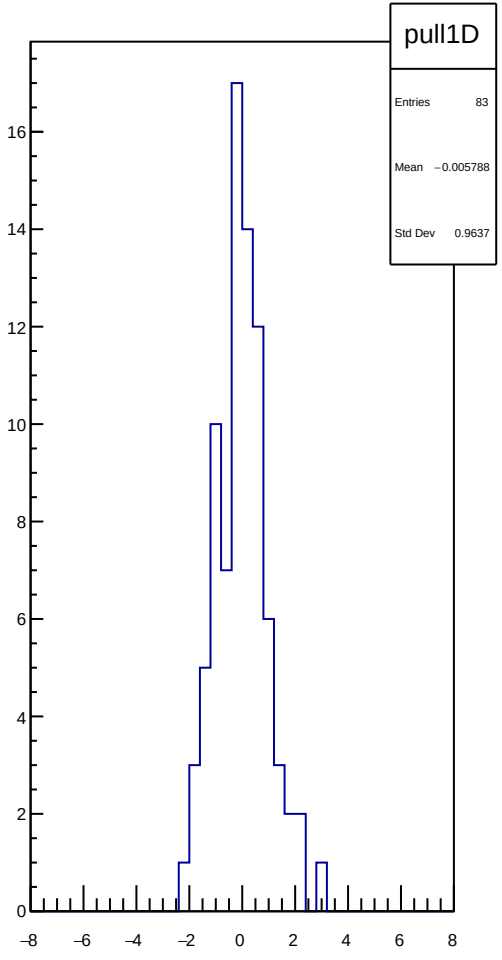

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.102e+04 / 82
p0 69.97 ± 0.05643
100
90
80
70
60
50

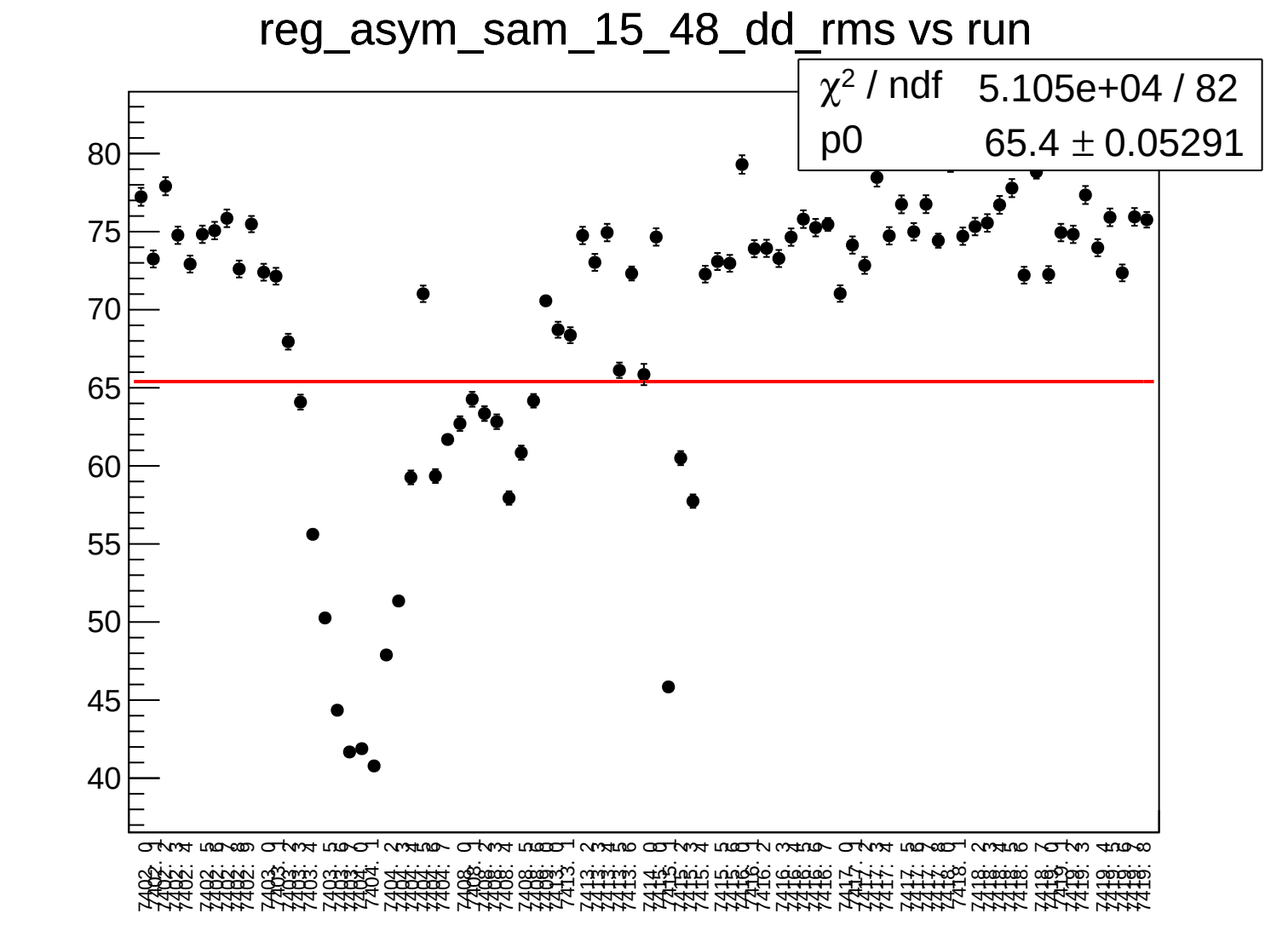

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 65.88 / 82
p0 −4.936e−15 ± 5.844e−15
pull
Entries 83
Mean −131.1
Std Dev 0

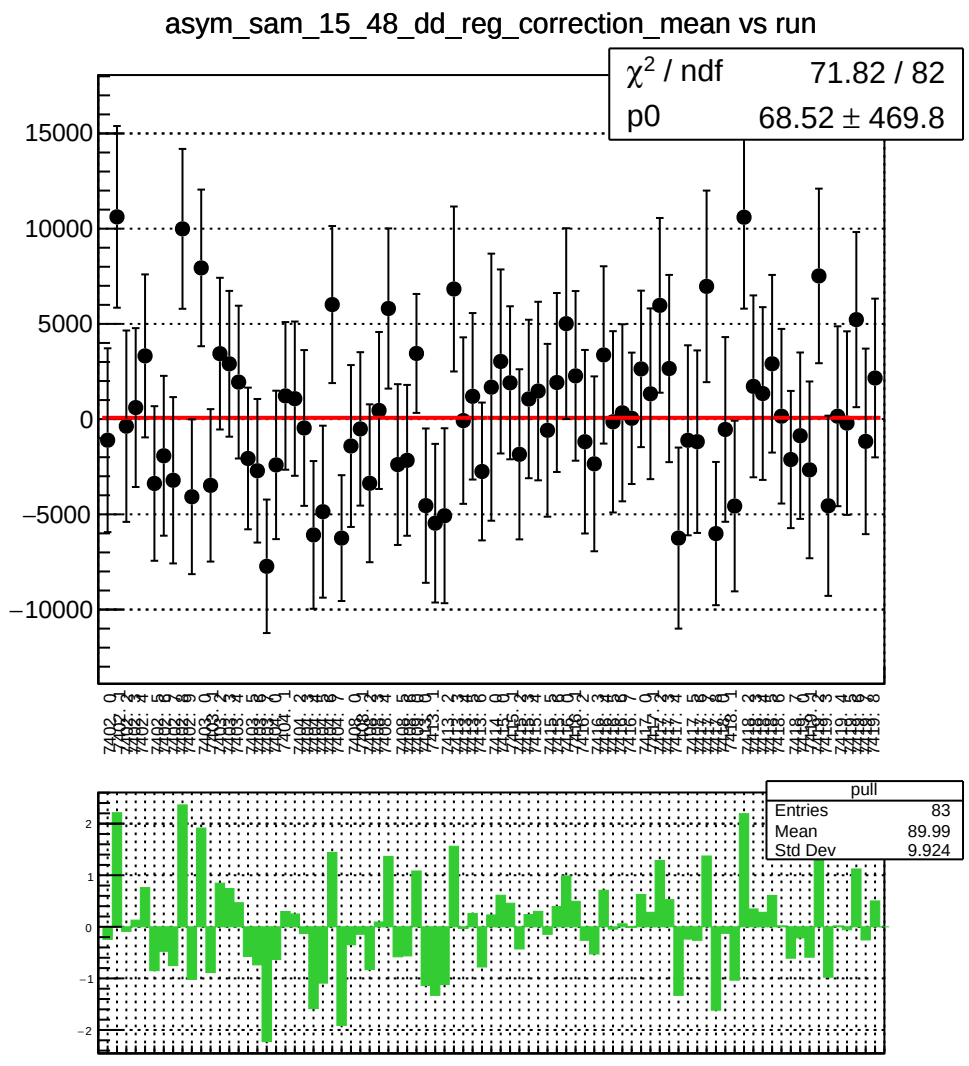

pull1D
Entries 83
Mean 0.01151
Std Dev 0.8908

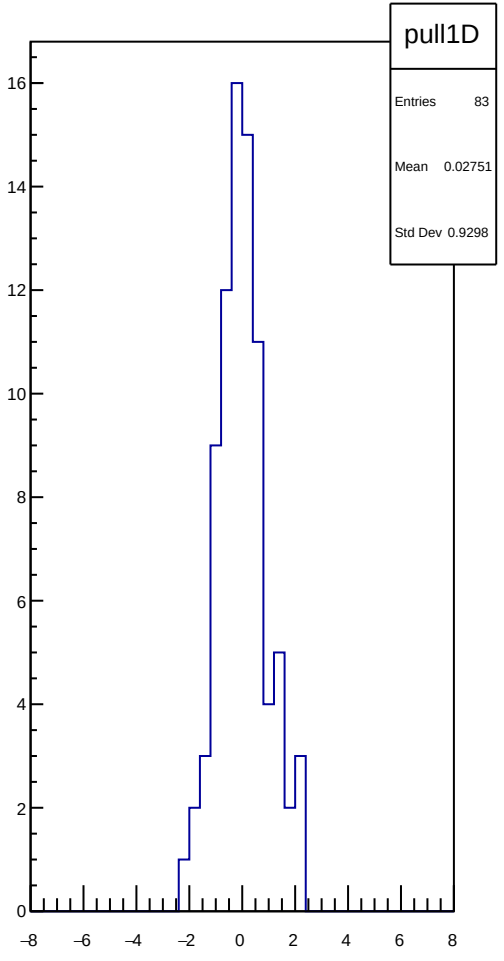

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.425e+05 / 82
p0 4.207e−12 ± 4.133e−15
25
20
15
10
5

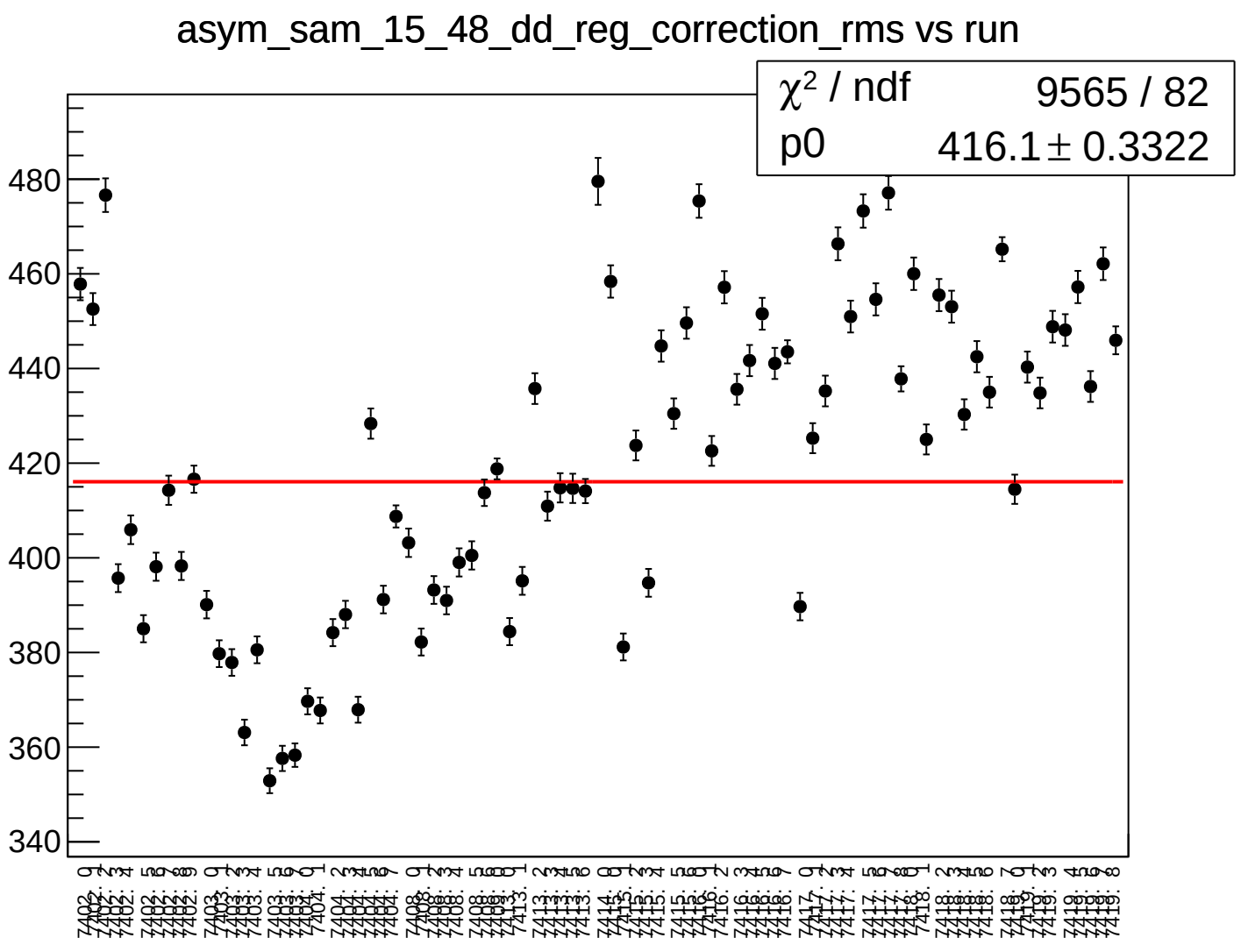

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 77.08 / 82
p0 −11.42 ± 74.83
pull
Entries 83
Mean 226.2
Std Dev 0

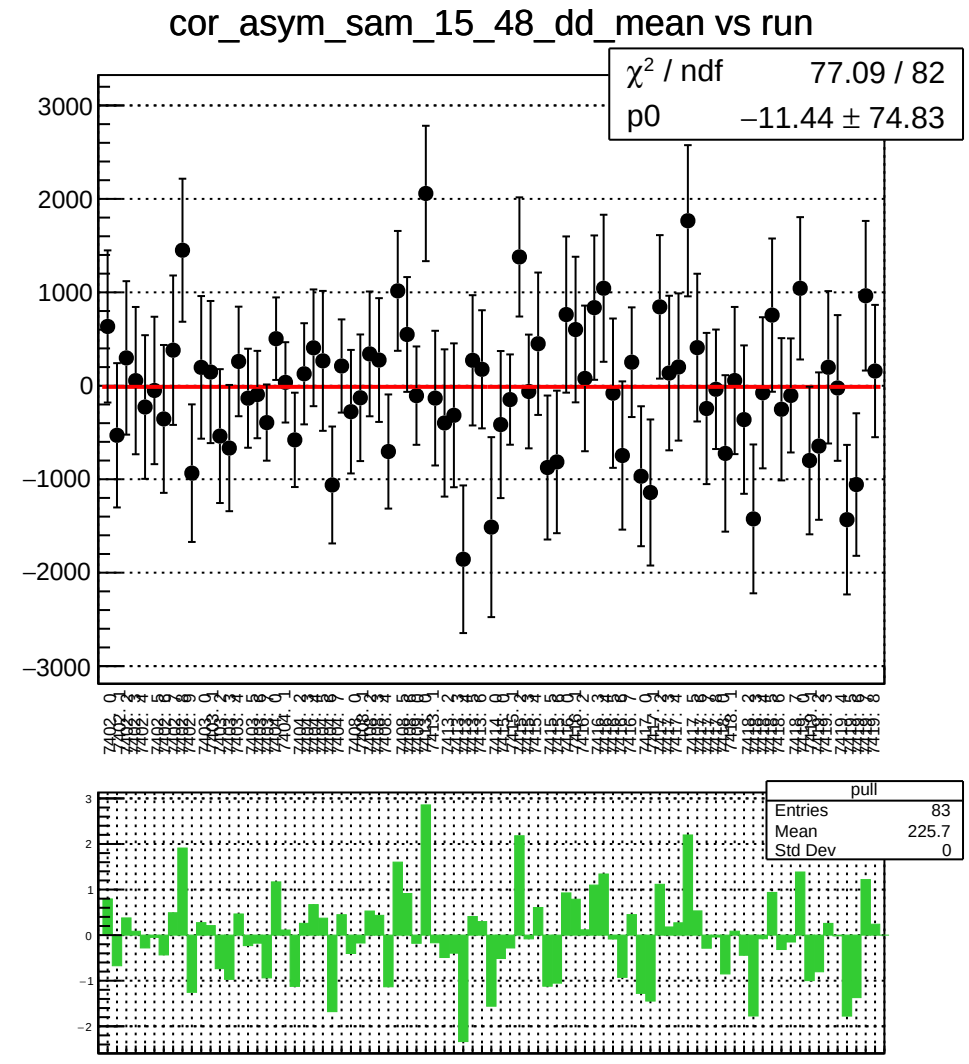

pull1D
Entries 83
Mean −0.005788
Std Dev 0.9637

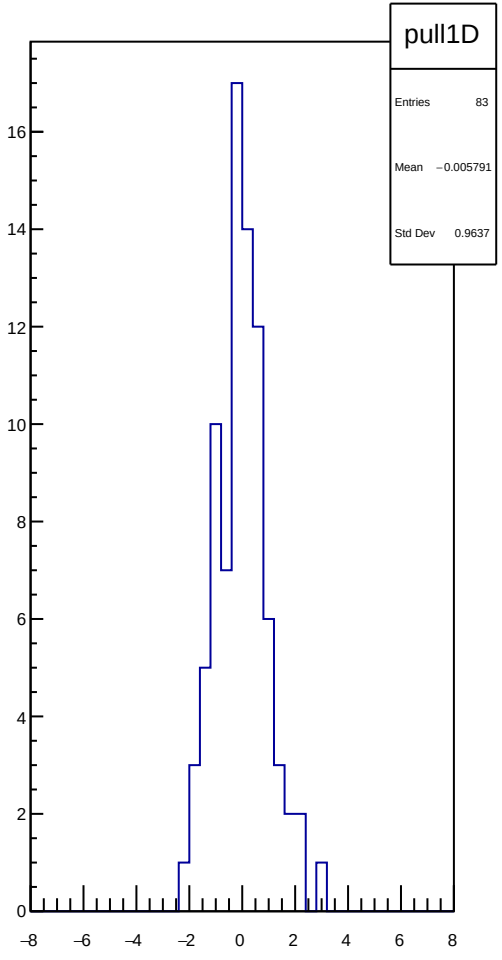

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 5.105e+04 / 82
p0 65.4 ± 0.05291
80
75
70
65
60
55
50
45
40

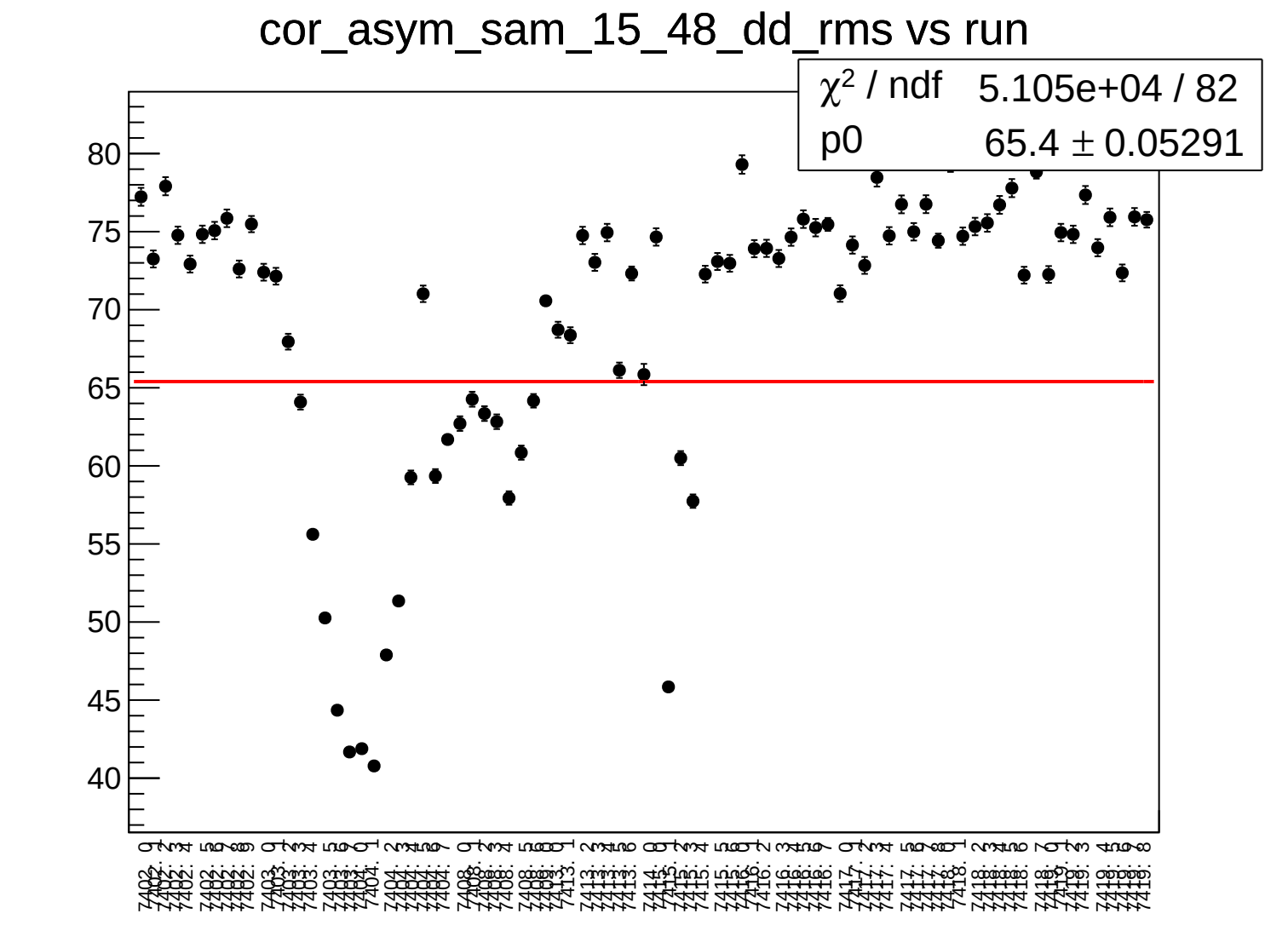

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 71.82 / 82
p0 68.52 ± 469.8
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 89.99
Std Dev 9.924
2
1
0
−1
−2

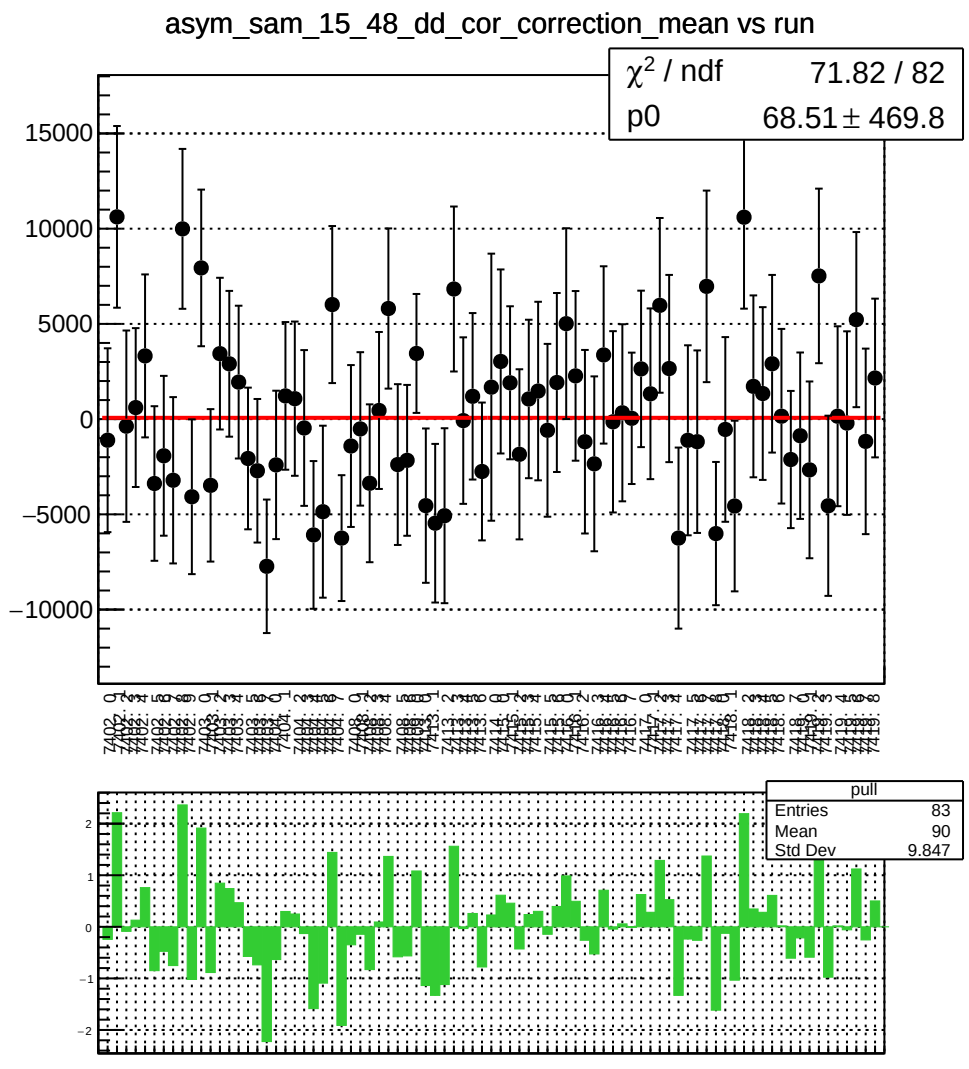

pull1D
Entries 83
Mean 0.02751
Std Dev 0.9298
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

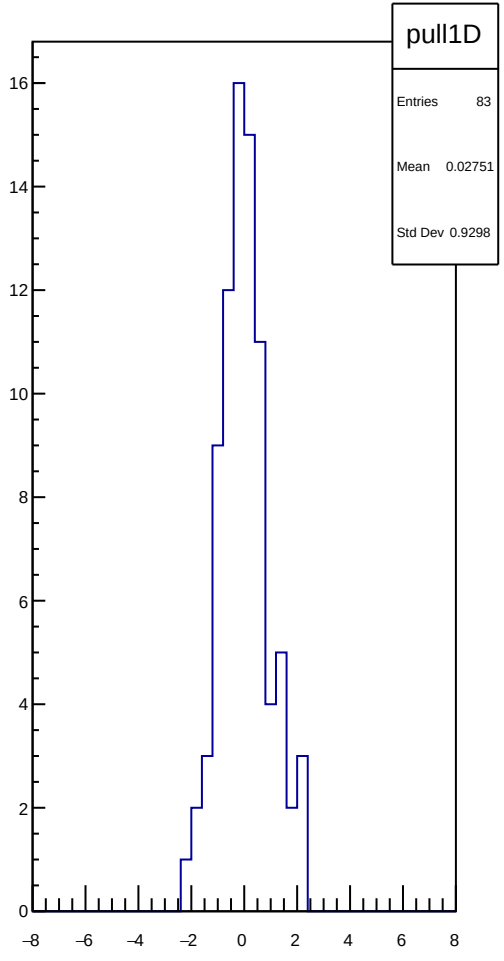

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 9565 / 82
p0 416.1 ± 0.3322
480
460
440
420
400
380
360
340

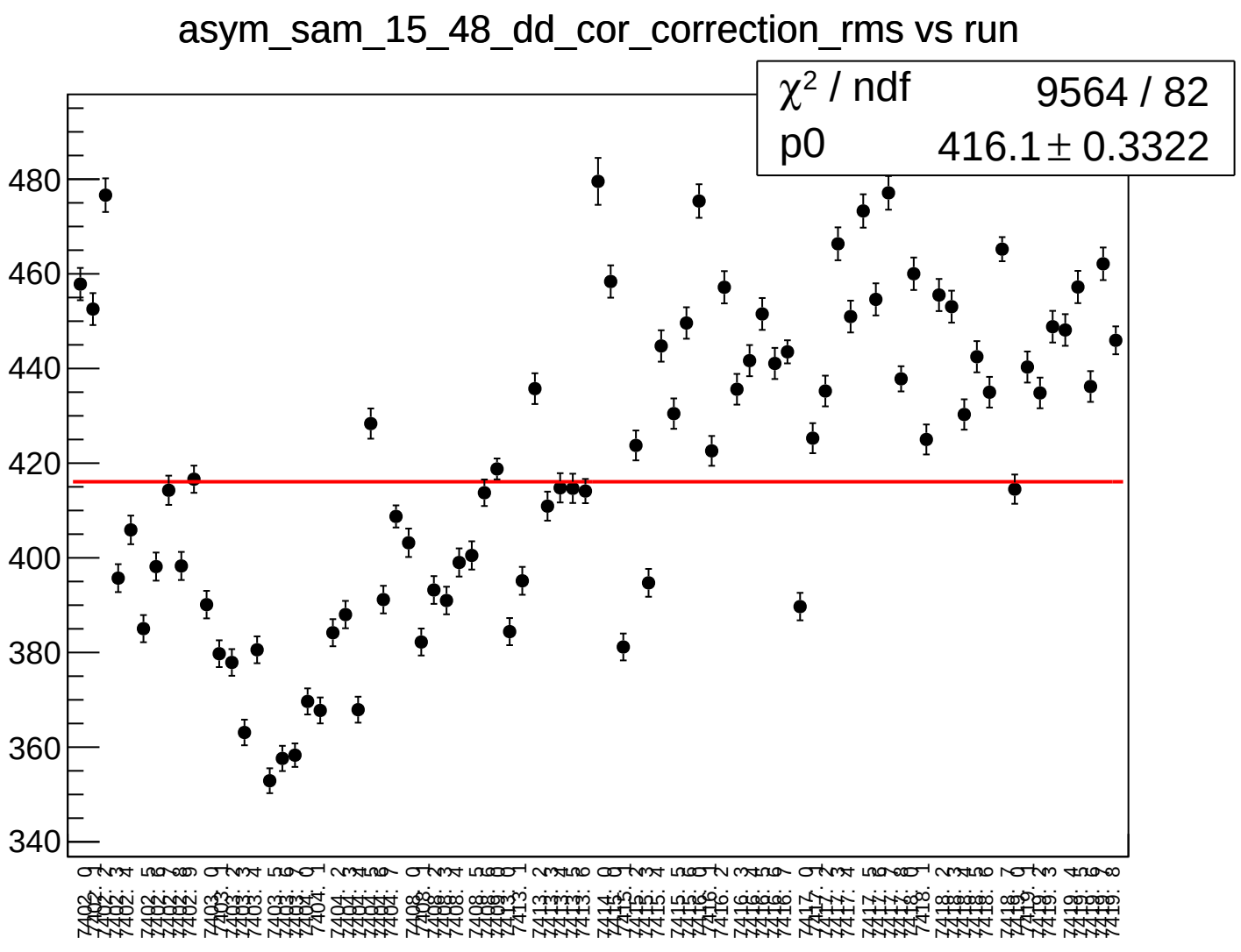

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 77.09 / 82
p0 −11.44 ± 74.83
pull
Entries 83
Mean 225.7
Std Dev 0

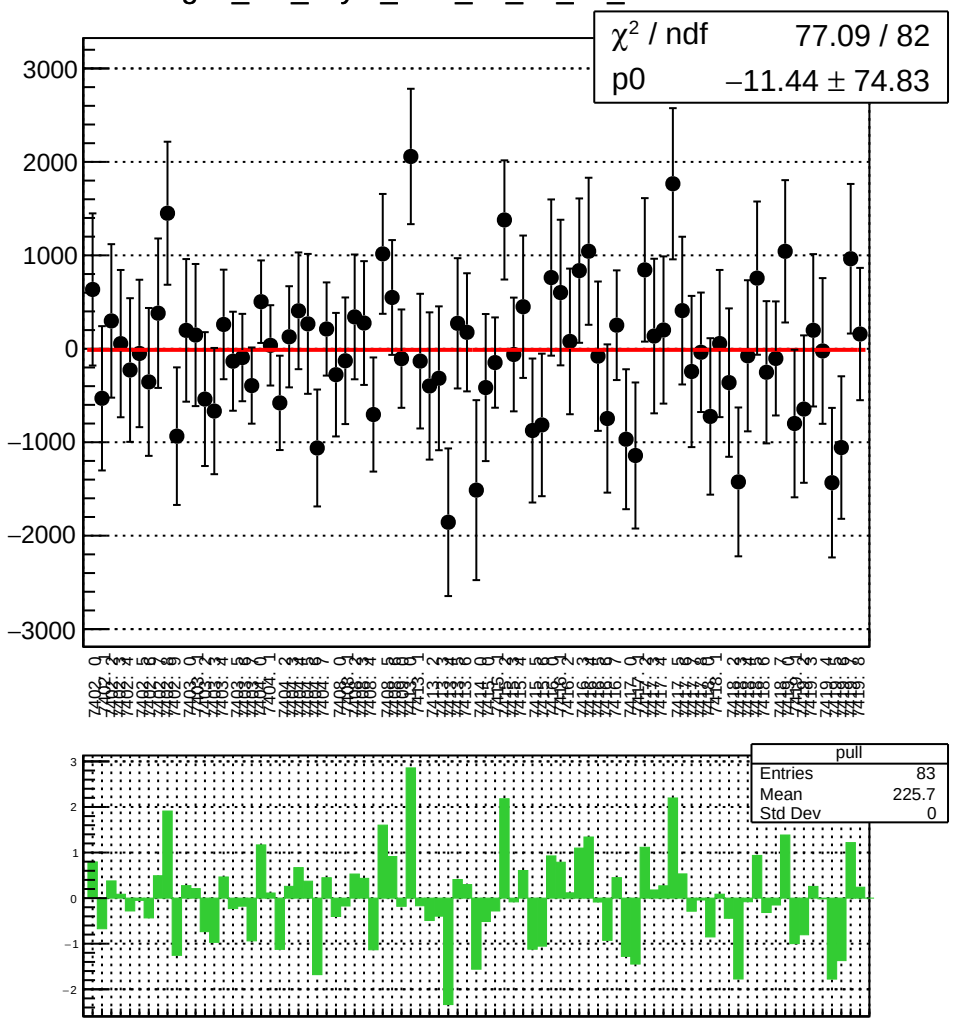

pull1D
Entries 83
Mean −0.005791
Std Dev 0.9637

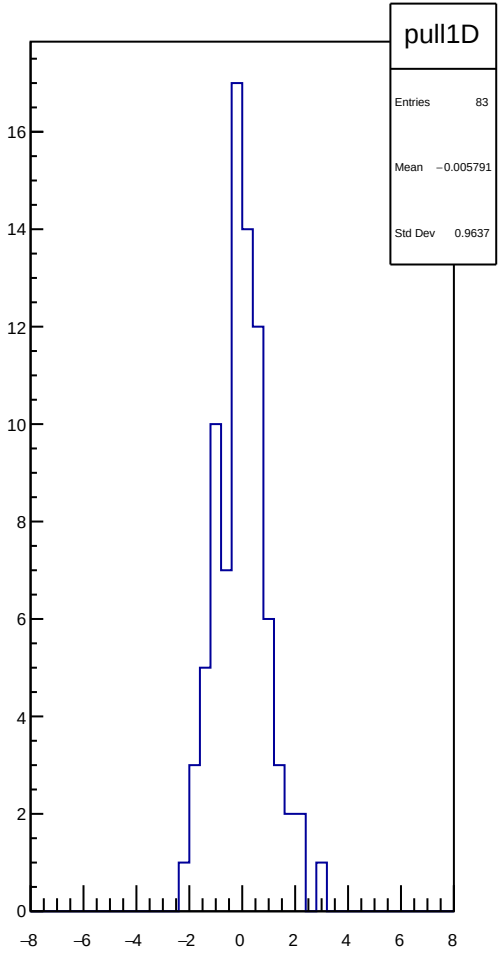

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 5.105e+04 / 82
p0 65.4 ± 0.05291
80
75
70
65
60
55
50
45
40

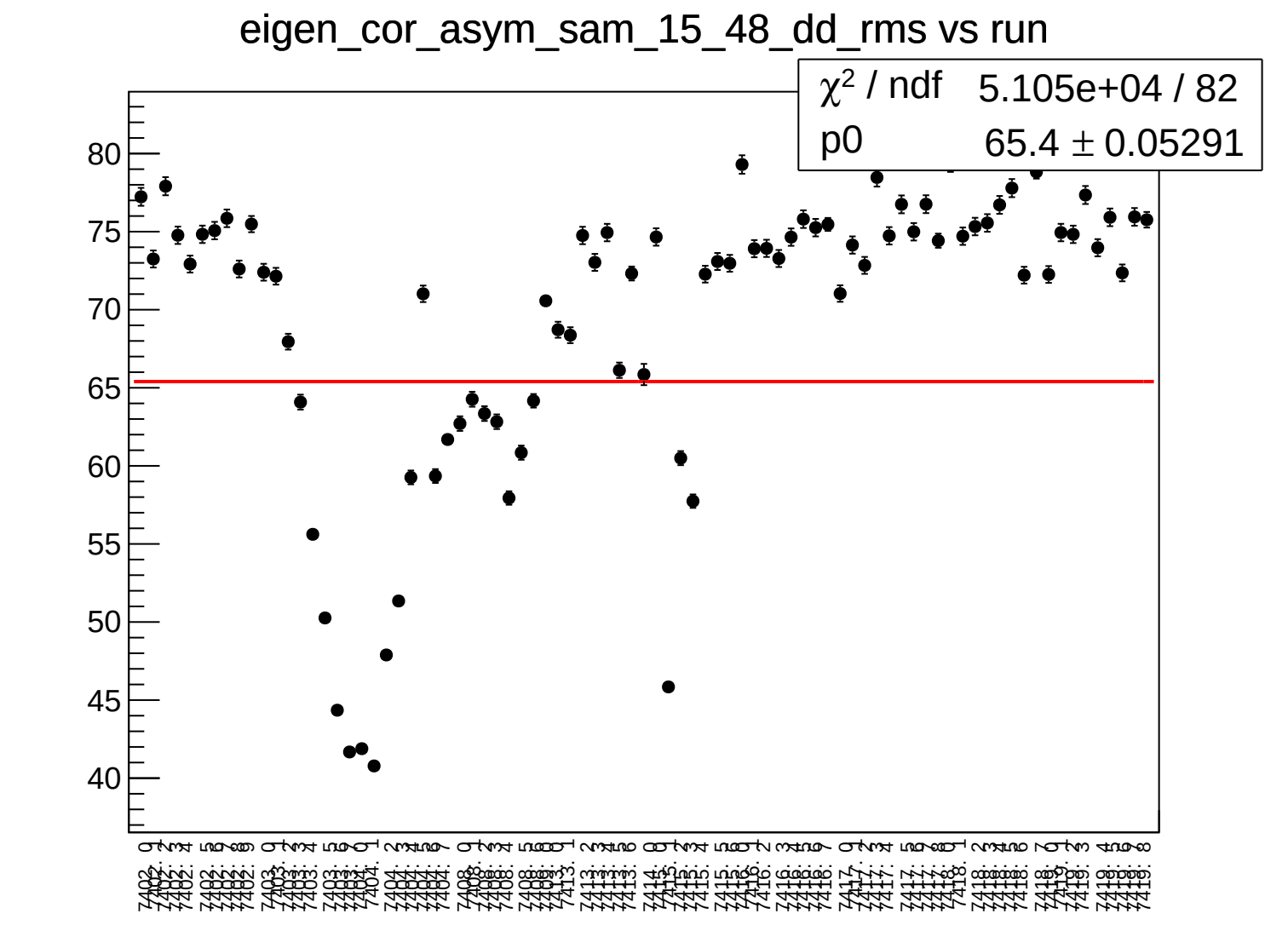

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 71.82 / 82
p0 68.51 ± 469.8
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 90
Std Dev 9.847
2
1
0
−1
−2

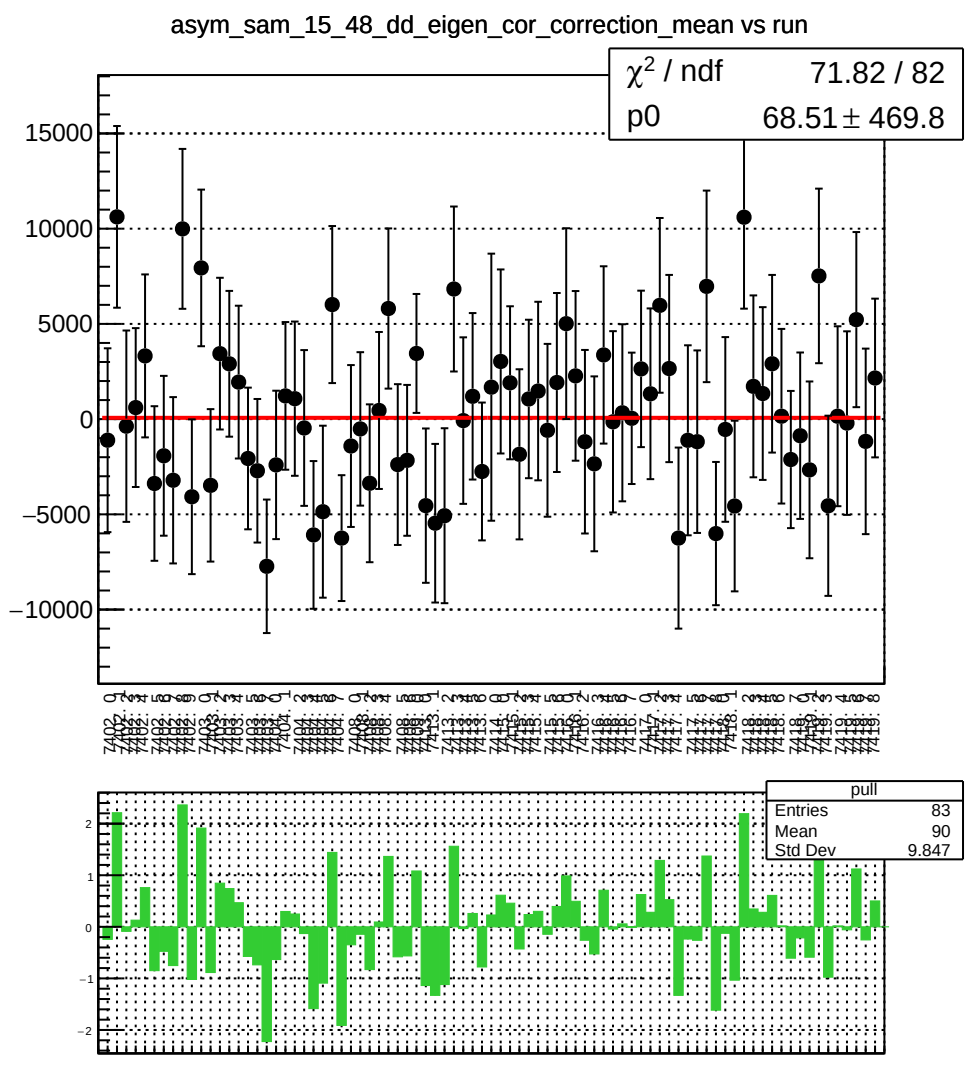

pull1D
Entries 83
Mean 0.02751
Std Dev 0.9298
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

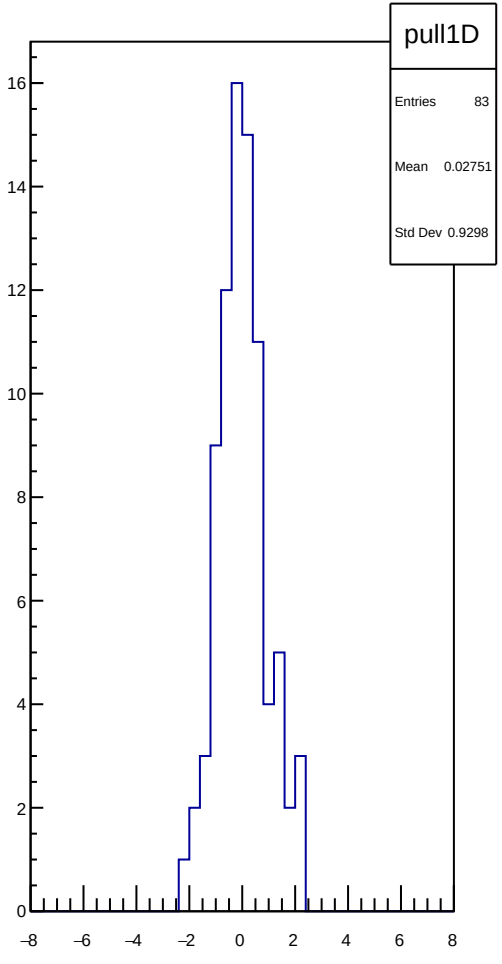

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 9564 / 82
p0 416.1 ± 0.3322
480
460
440
420
400
380
360
340

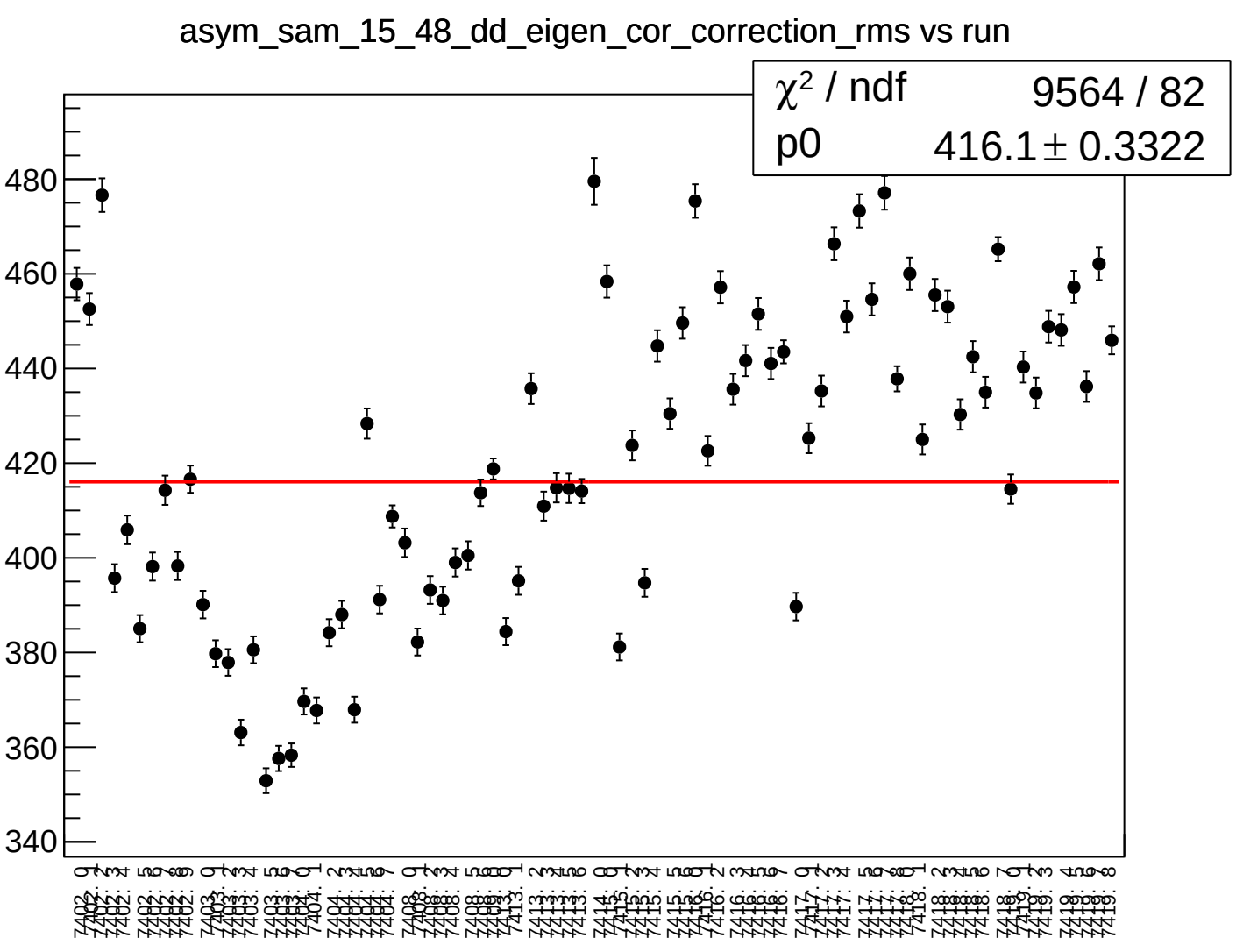

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 77.09 / 82
p0 −11.44 ± 74.83
pull
Entries 83
Mean 225.7
Std Dev 0

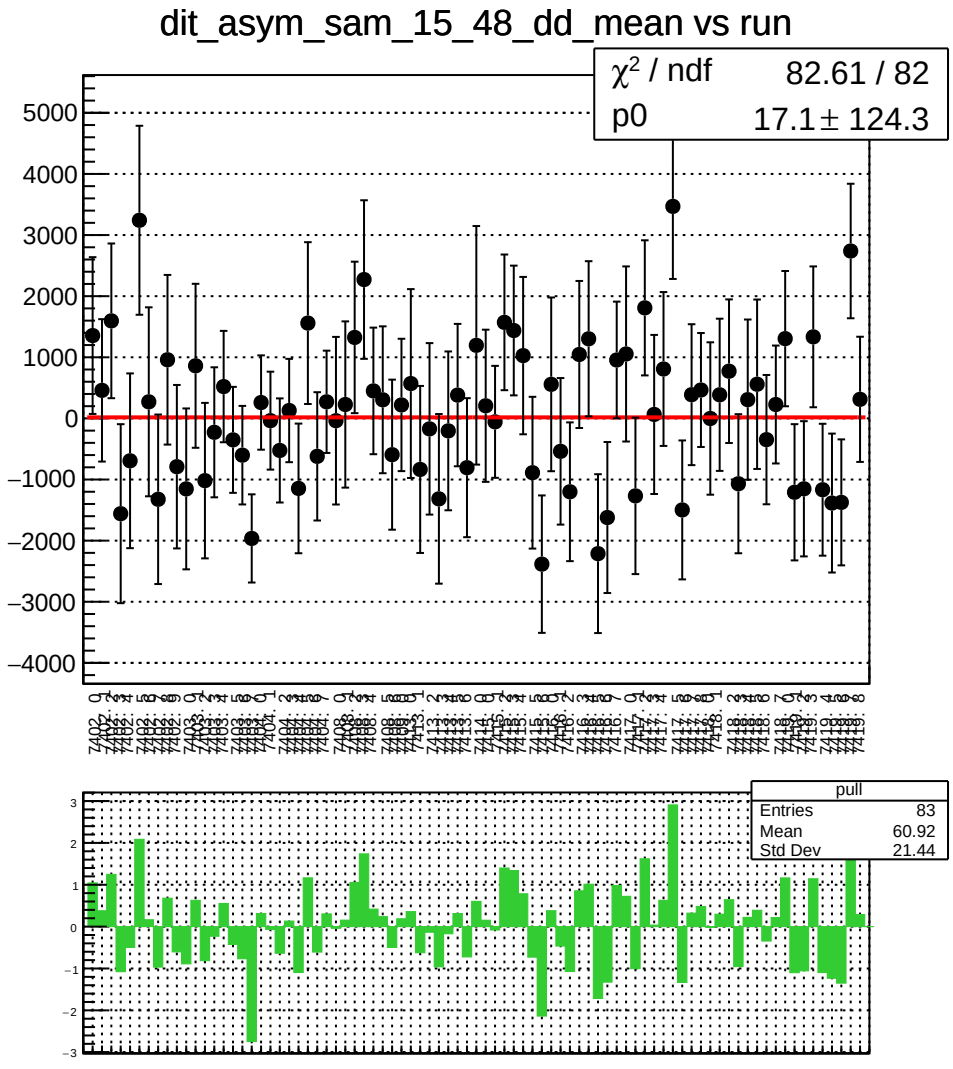

pull1D
Entries 83
Mean −0.005791
Std Dev 0.9637

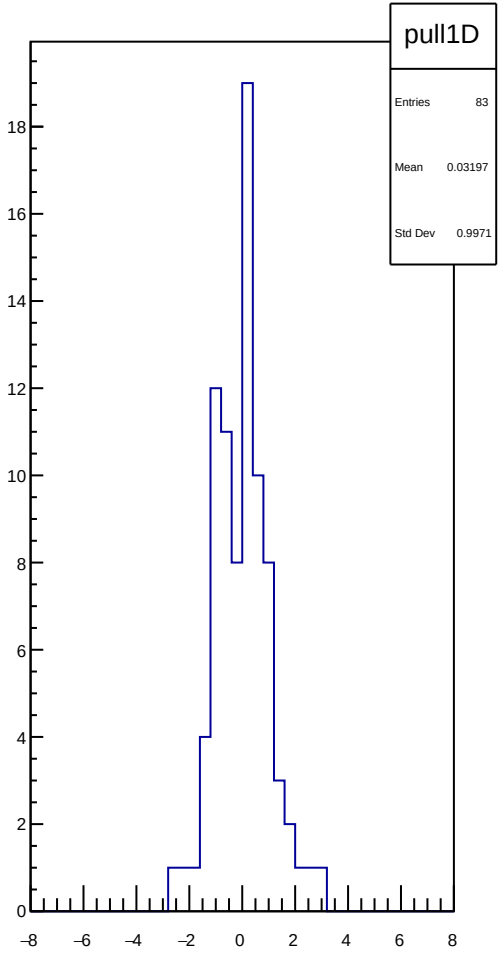

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 5.105e+04 / 82
p0 65.4 ± 0.05291
80
75
70
65
60
55
50
45
40

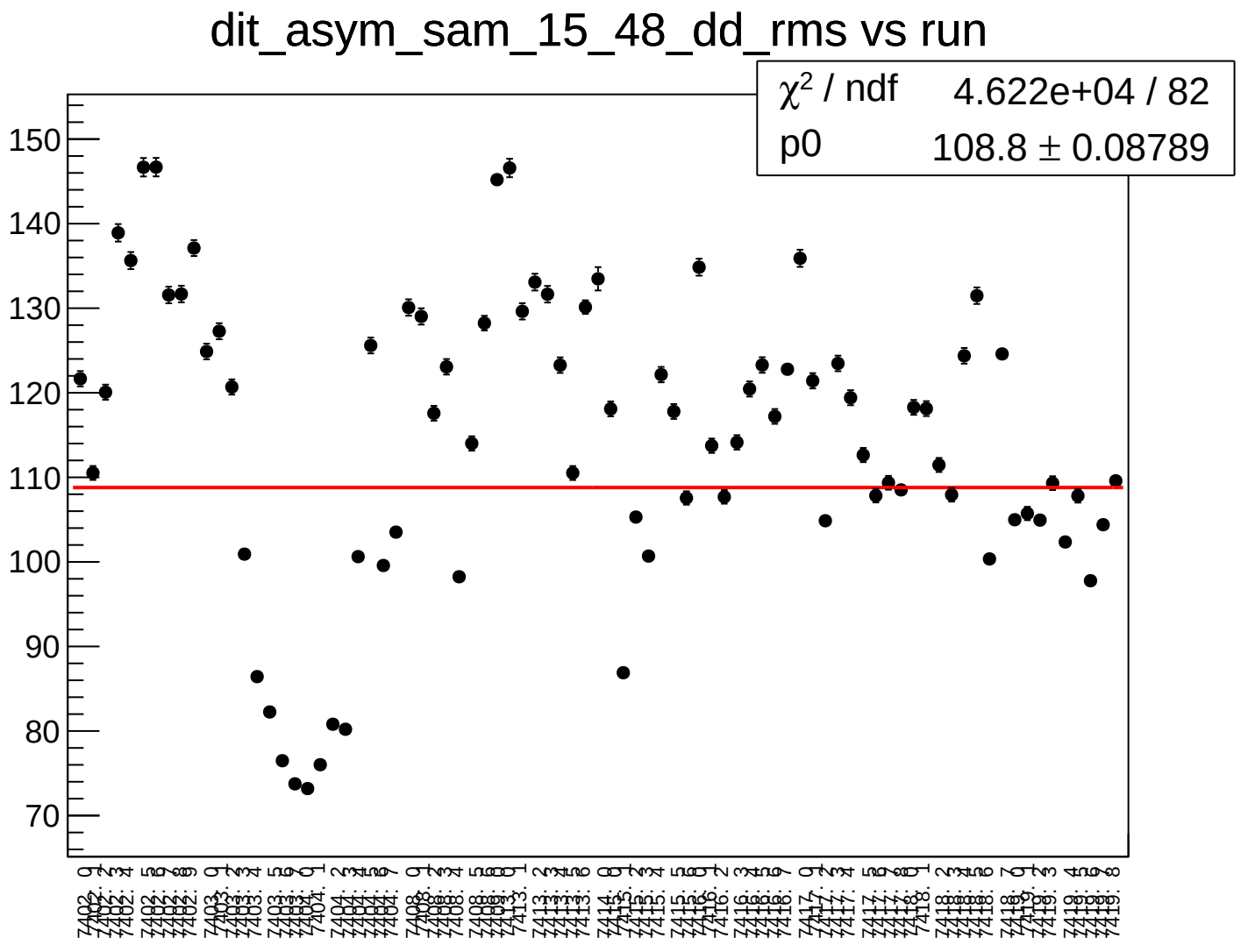

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.82 / 82
p0 68.51 ± 469.8
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 90
Std Dev 9.847
2
1
0
−1
−2

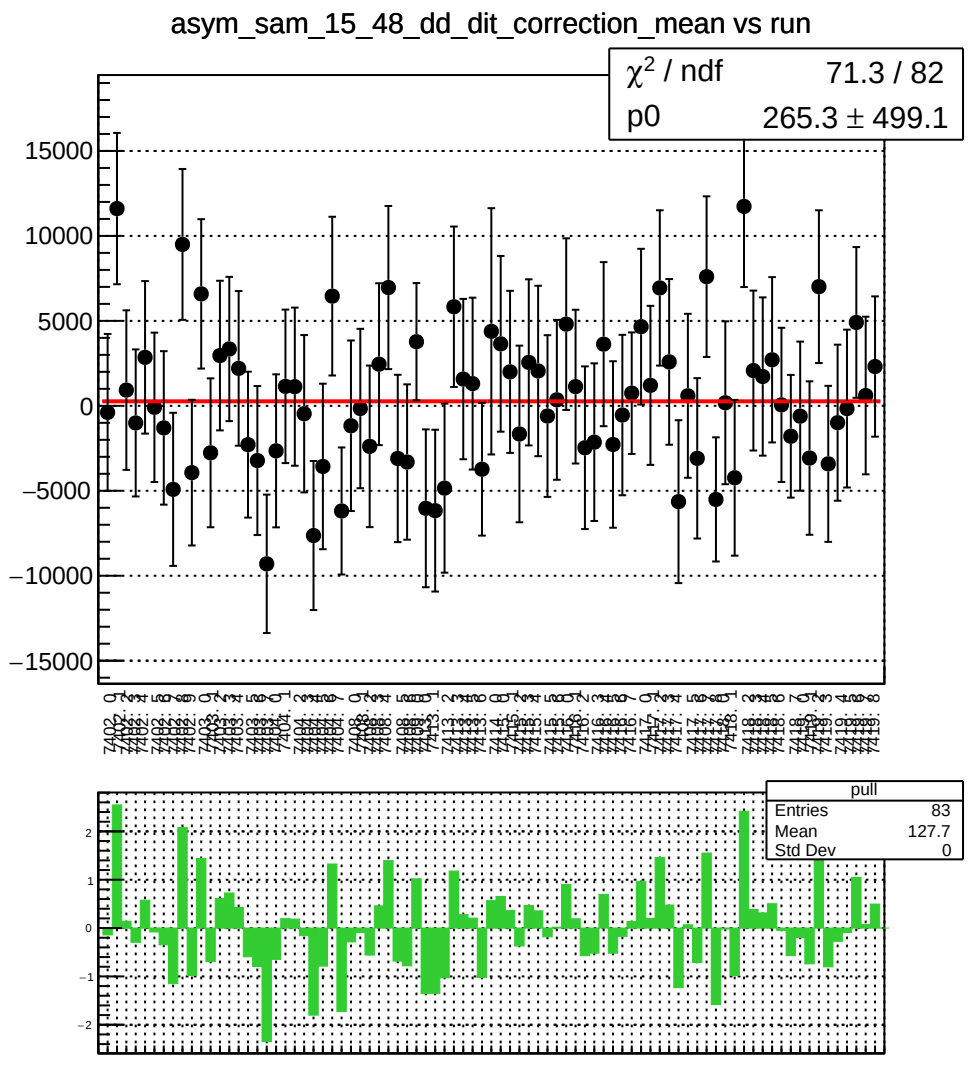

pull1D
Entries 83
Mean 0.02751
Std Dev 0.9298
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

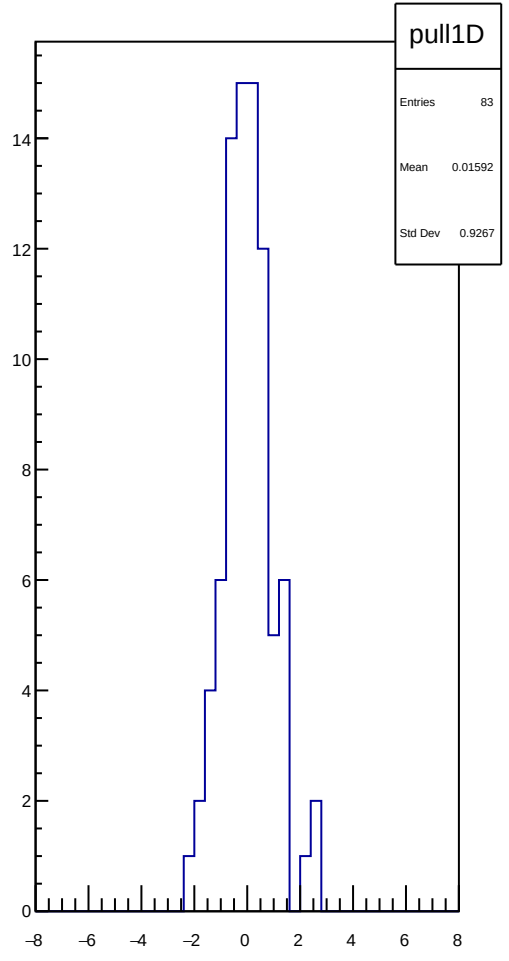

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 9564 / 82
p0 416.1 ± 0.3322
480
460
440
420
400
380
360
340

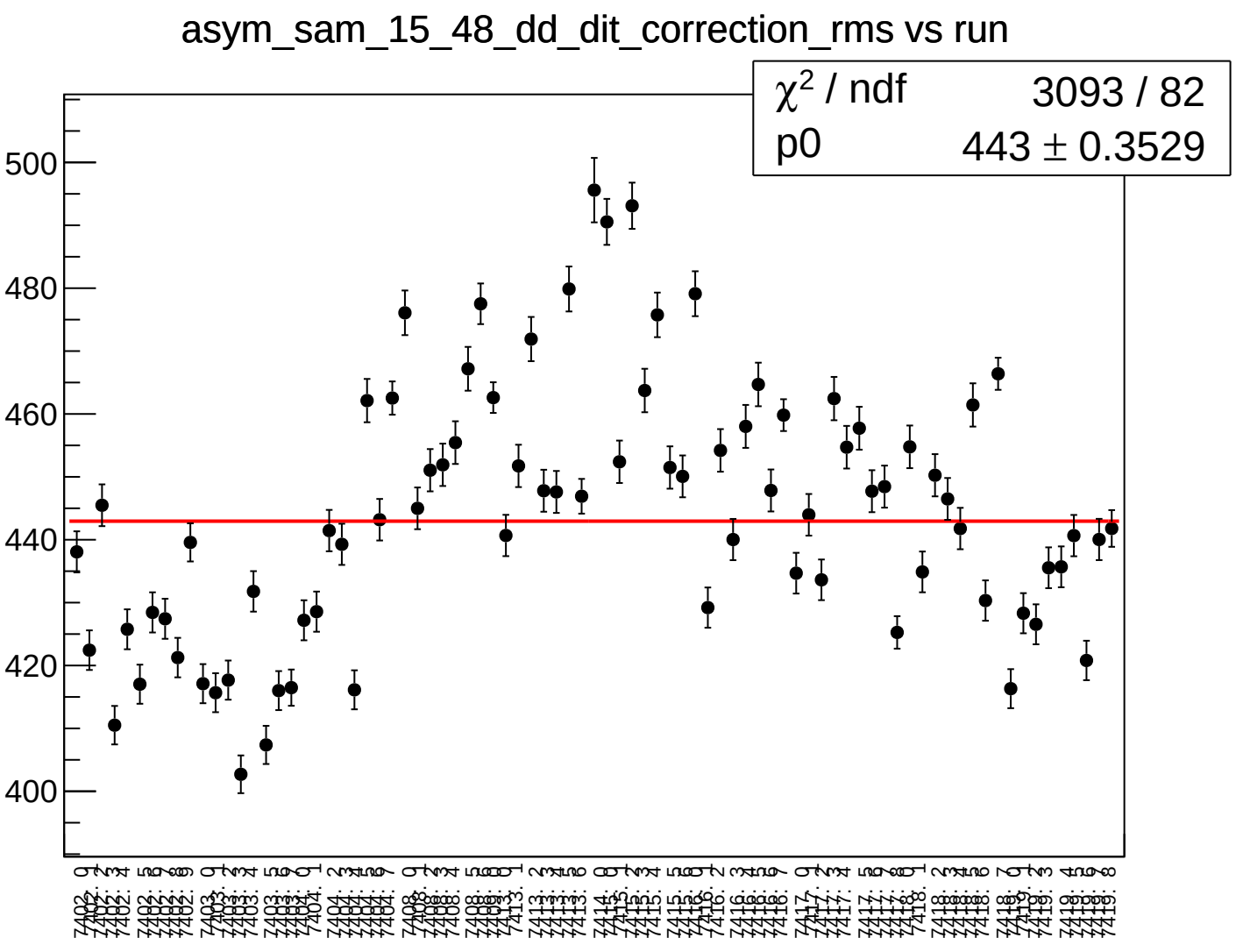

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.61 / 82
p0 17.1 ± 124.3
pull
Entries 83
Mean 60.92
Std Dev 21.44

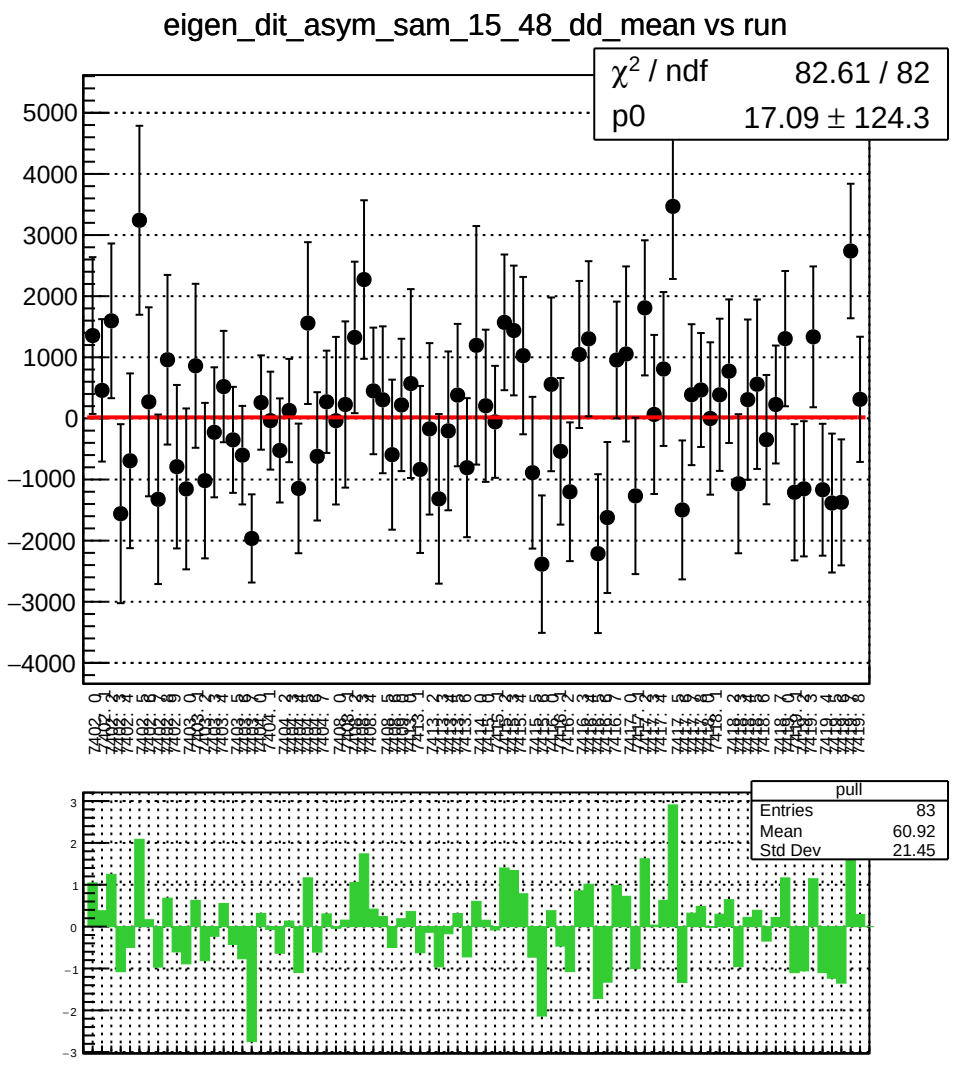

pull1D
Entries 83
Mean 0.03197
Std Dev 0.9971

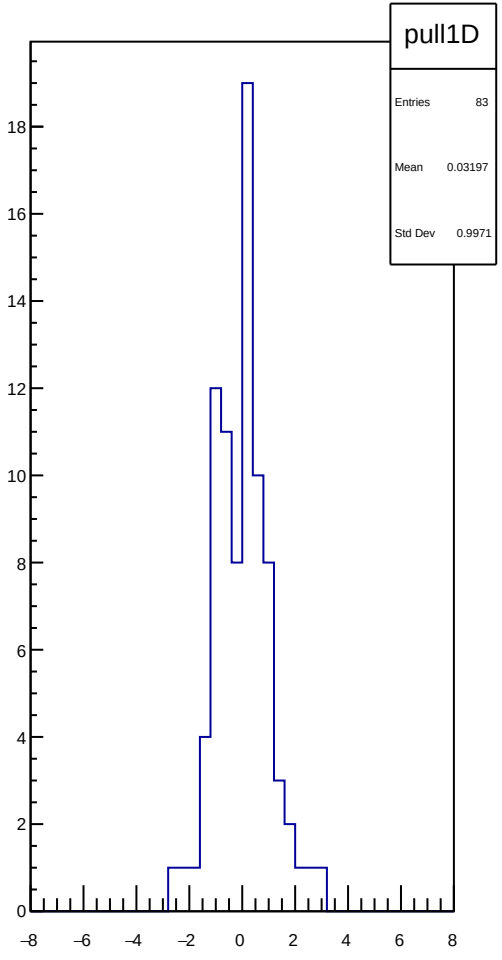

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.622e+04 / 82
p0 108.8 ± 0.08789
150
140
130
120
110
100
90
80
70

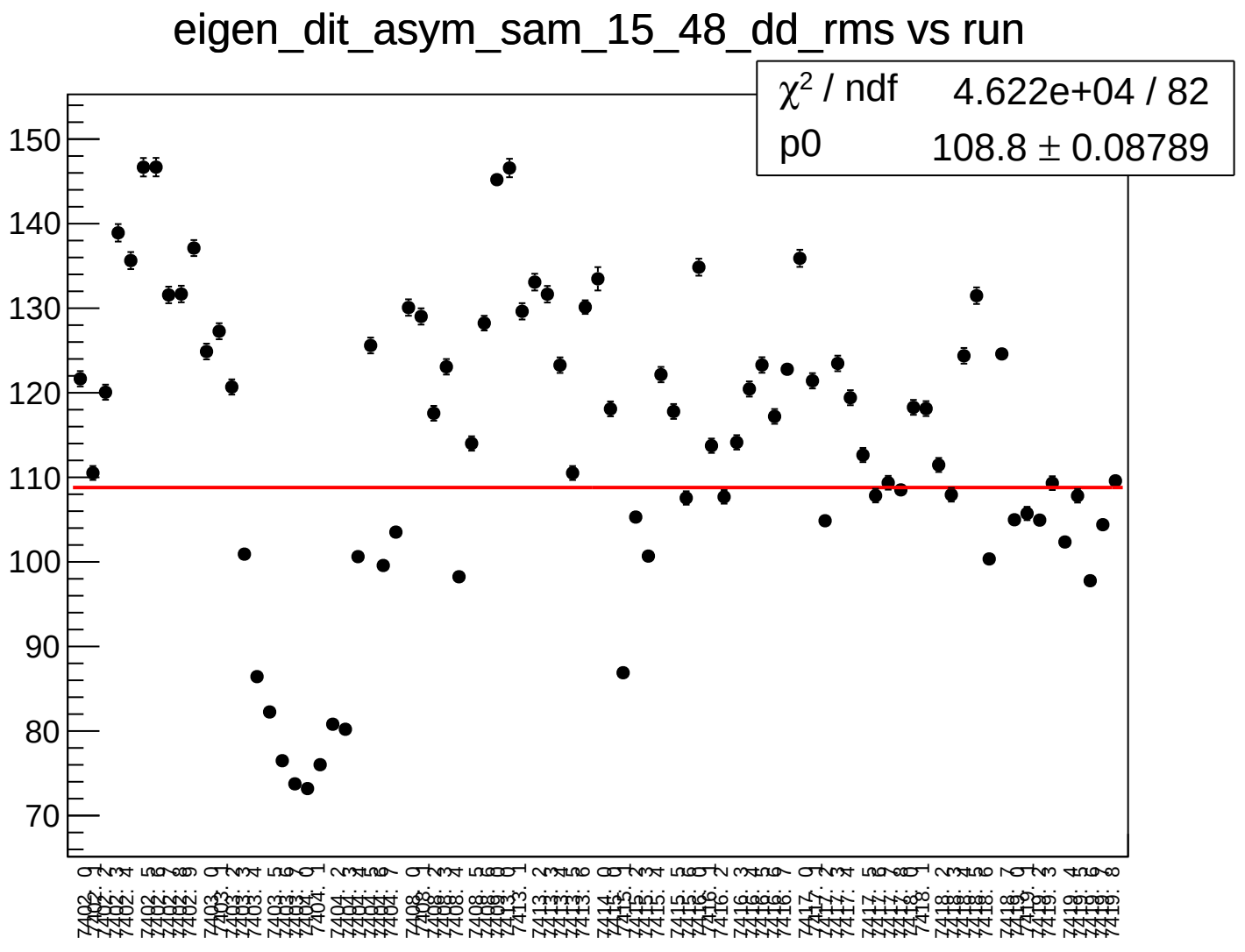

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 71.3 / 82
p0 265.3 ± 499.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 127.7
Std Dev 0
2
1
0
−1
−2

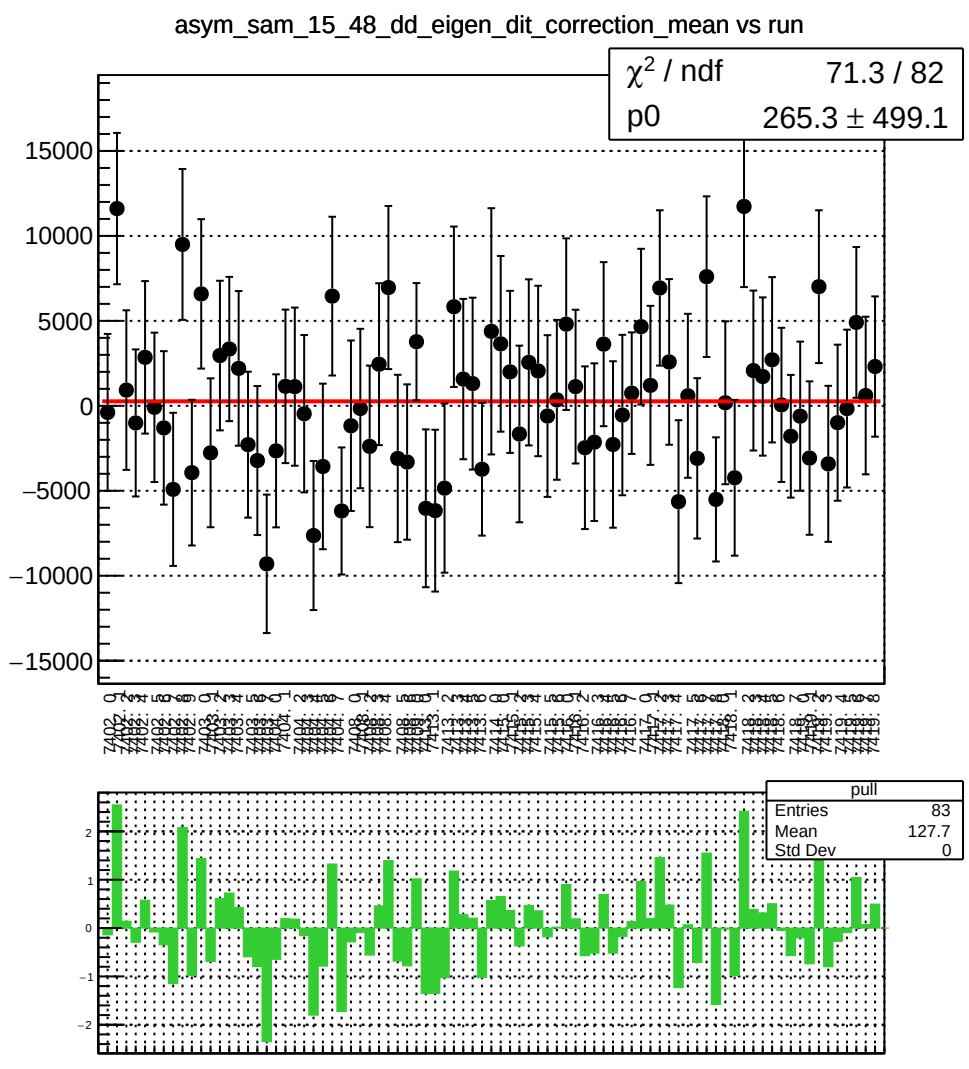

pull1D
Entries 83
Mean 0.01592
Std Dev 0.9267
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

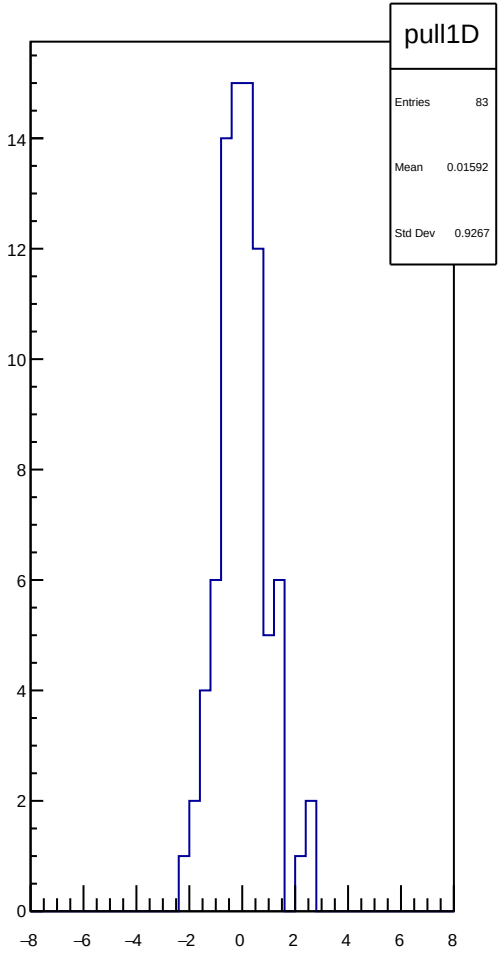

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 3093 / 82
p0 443 ± 0.3529
500
480
460
440
420
400

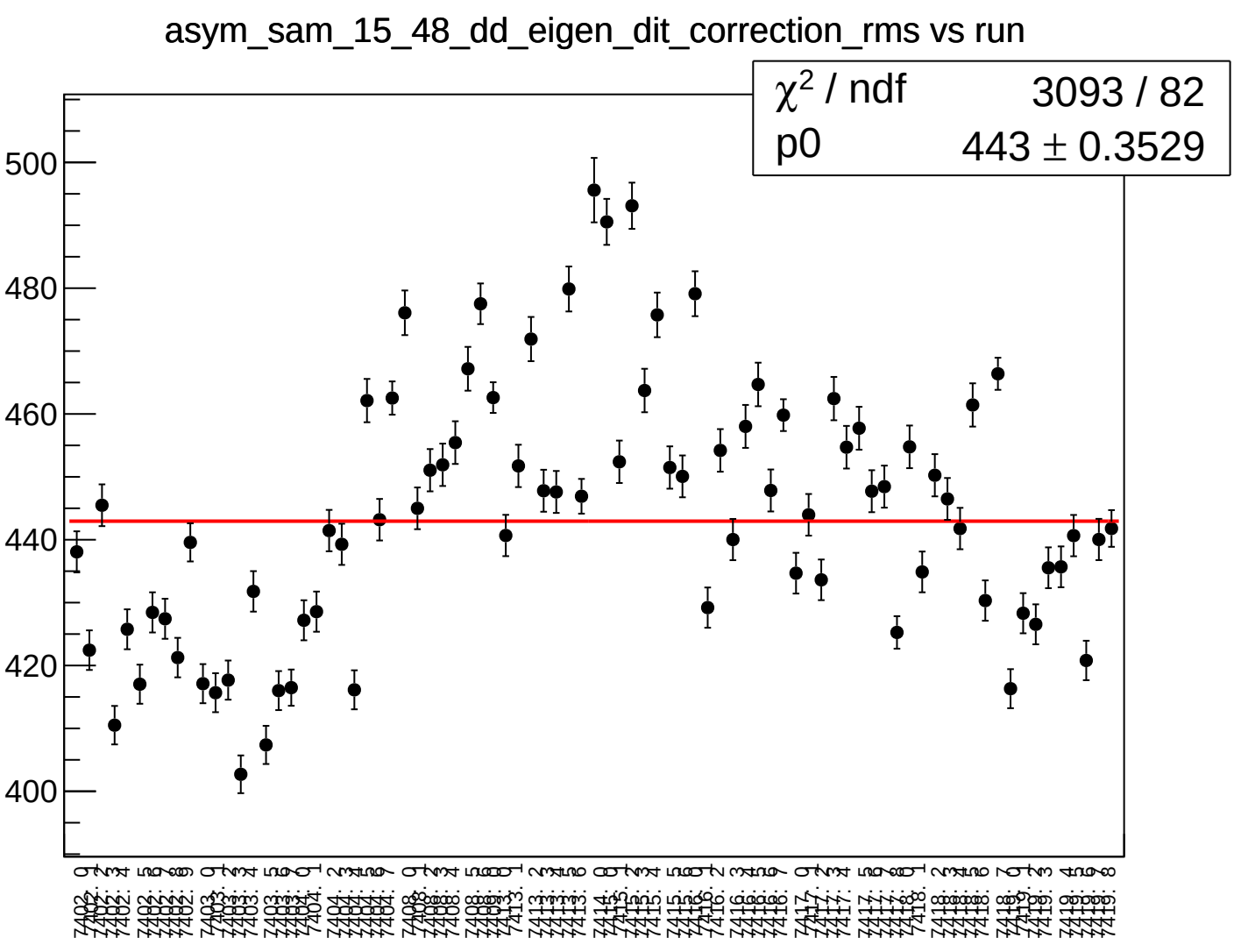

eigen_dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 82.61 / 82
p0 17.09 ± 124.3
pull
Entries 83
Mean 60.92
Std Dev 21.45

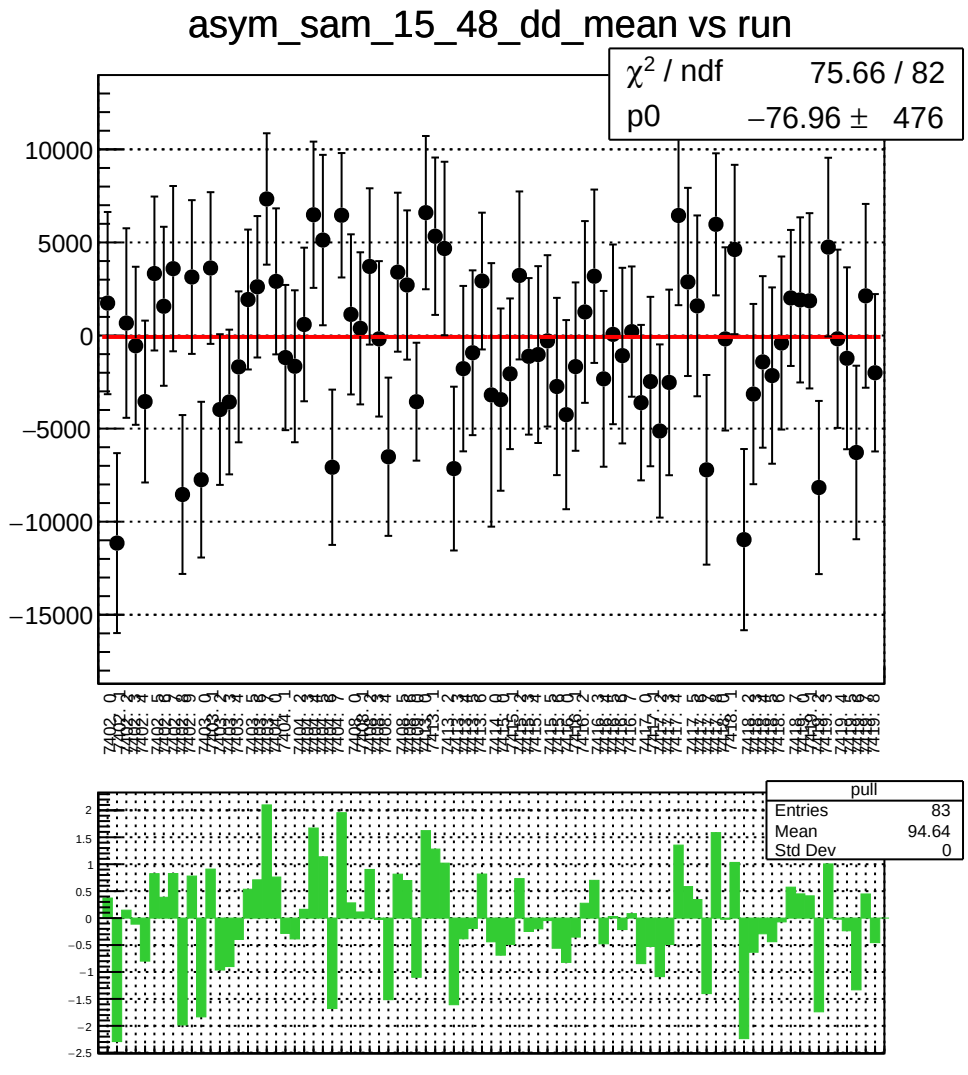

pull1D
Entries 83
Mean 0.03197
Std Dev 0.9971

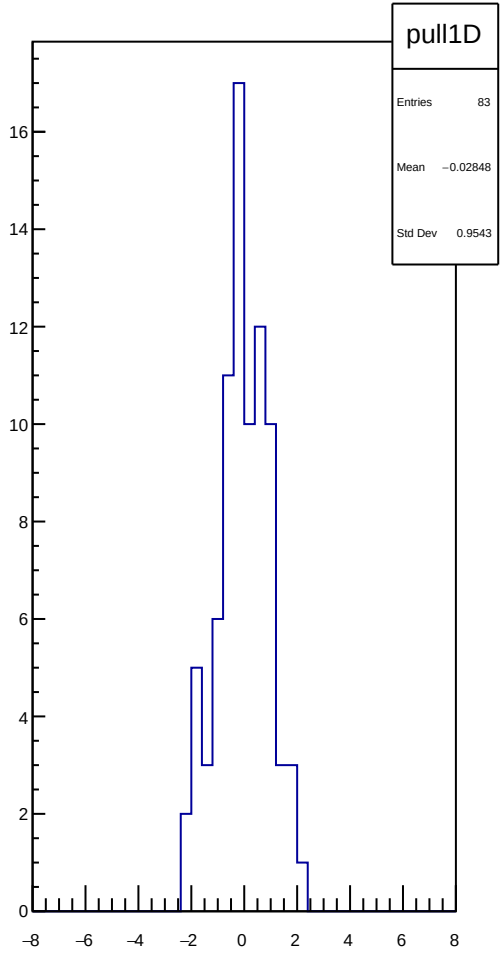

eigen_dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 4.622e+04 / 82
p0 108.8 ± 0.08789
150
140
130
120
110
100
90
80
70


asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 71.3 / 82
p0 265.3 ± 499.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 127.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.01592
Std Dev 0.9267
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 3093 / 82
p0 443 ± 0.3529
500
480
460
440
420
400


asym_sam_15_48_dd_mean vs run
χ^2 / ndf 75.66 / 82
p0 −76.96 ± 476
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 94.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 83
Mean −0.02848
Std Dev 0.9543
16
14
12
10
8
6
4
2
0
−8
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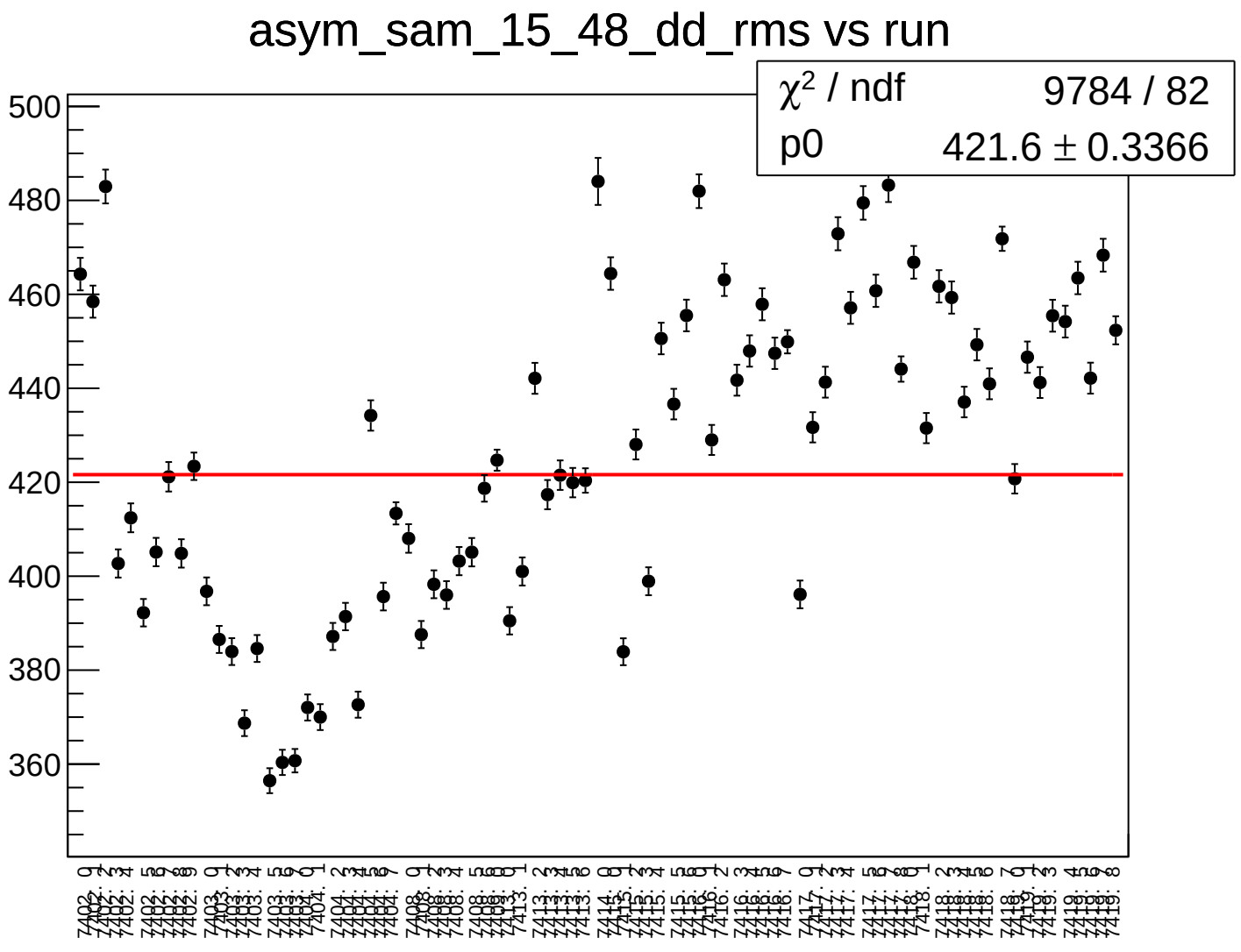
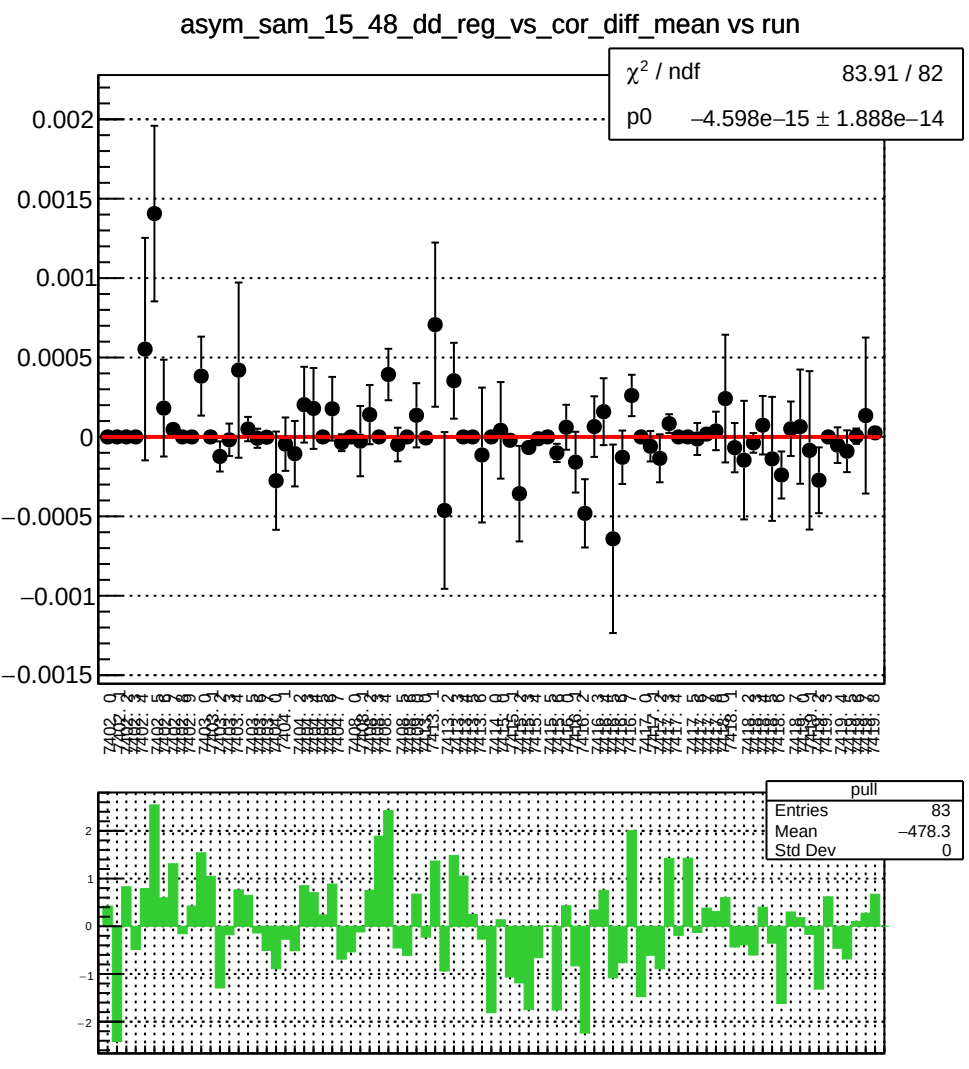
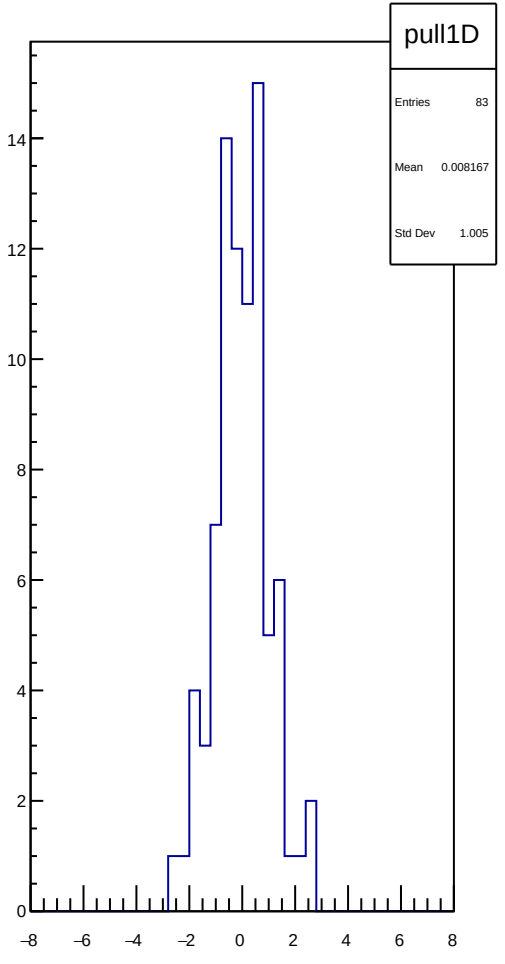
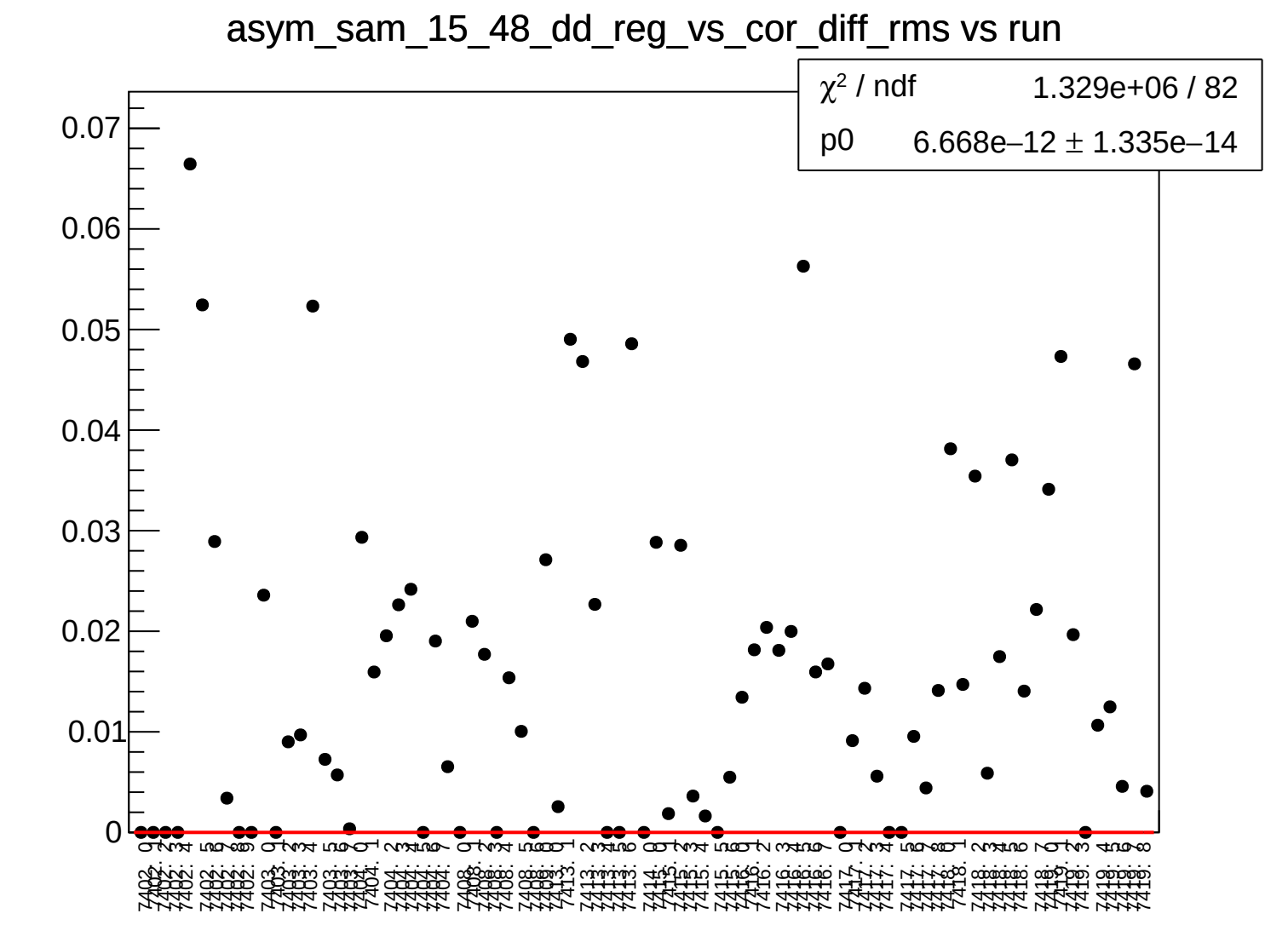
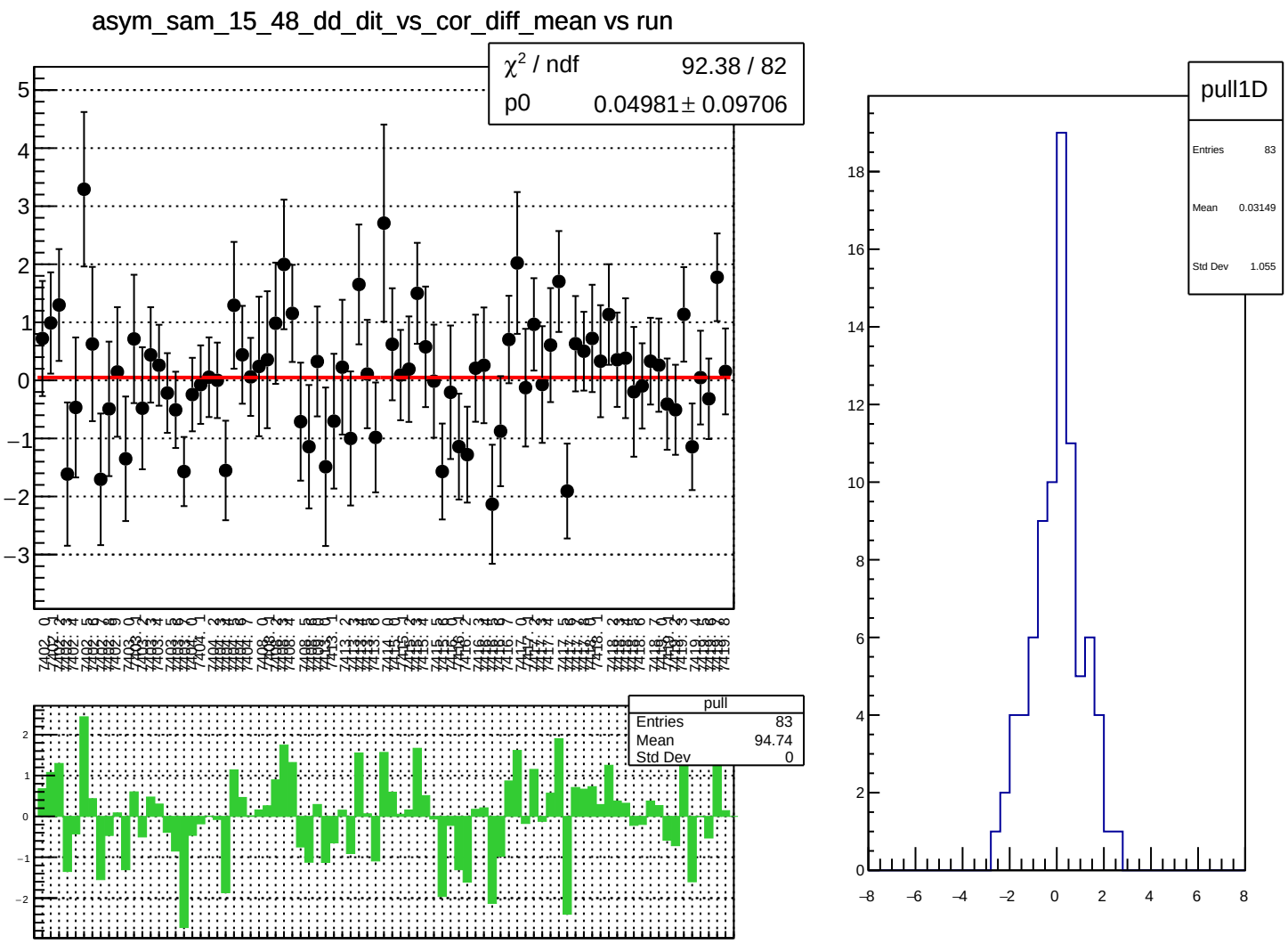
−4
−2
0
2
4
6
8

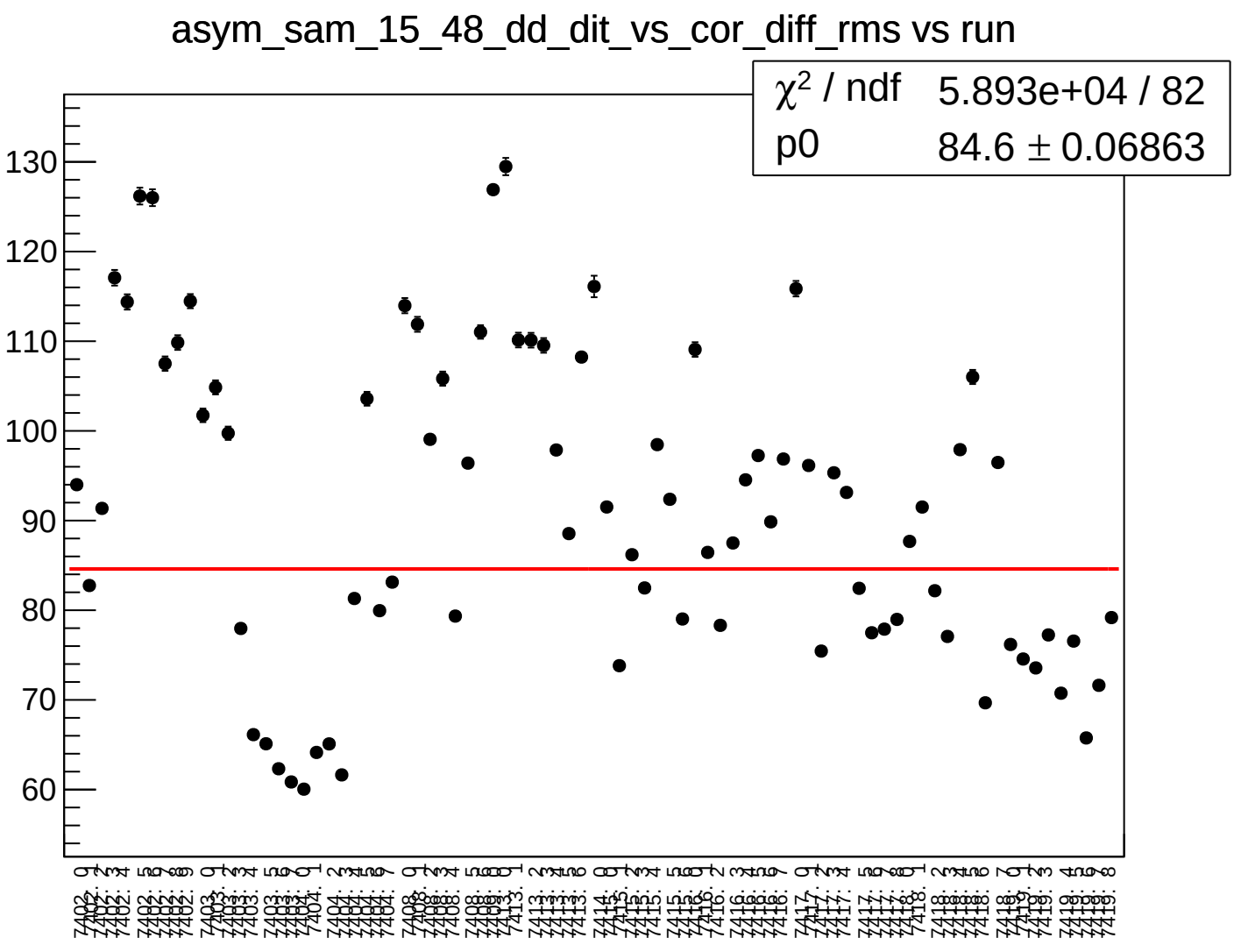

asym_sam_15_48_dd_rms vs run
χ² / ndf 9784 / 82
p0 421.6 ± 0.3366
500
480
460
440
420
400
380
360

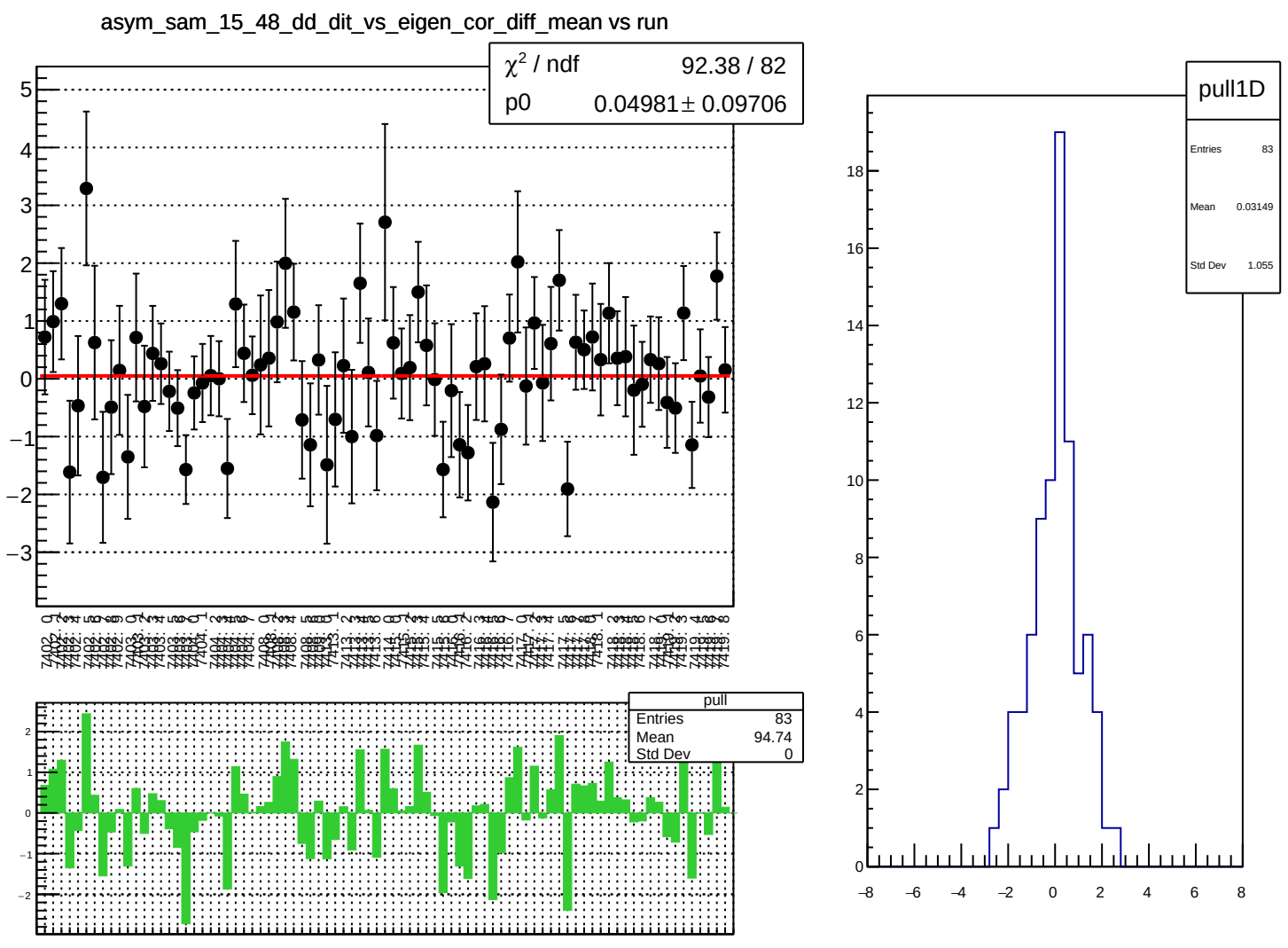

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 83.91 / 82
p0 −4.598e−15 ± 1.888e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 83
Mean −478.3
Std Dev 0
2
1
0
−1
−2

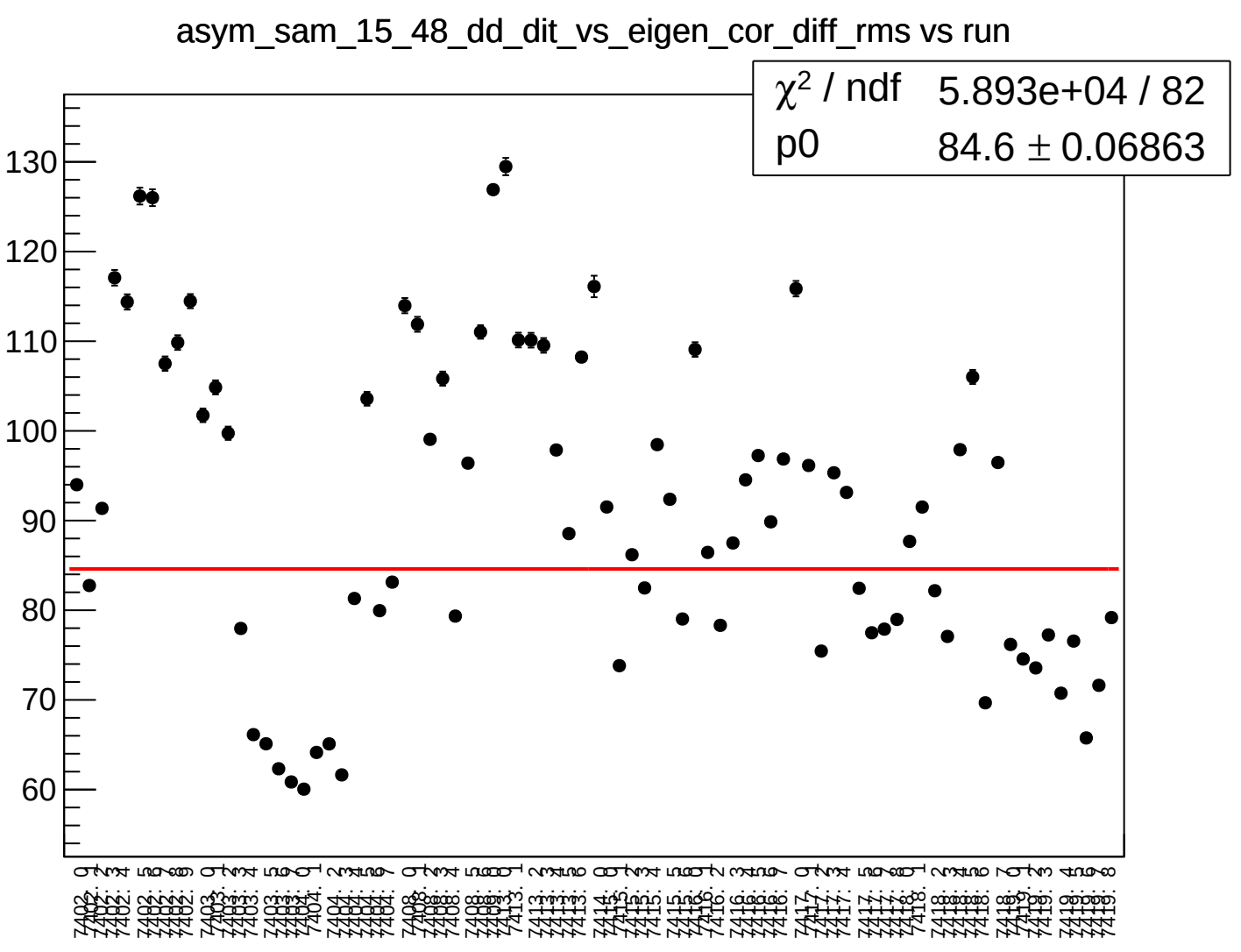

pull1D
Entries 83
Mean 0.008167
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

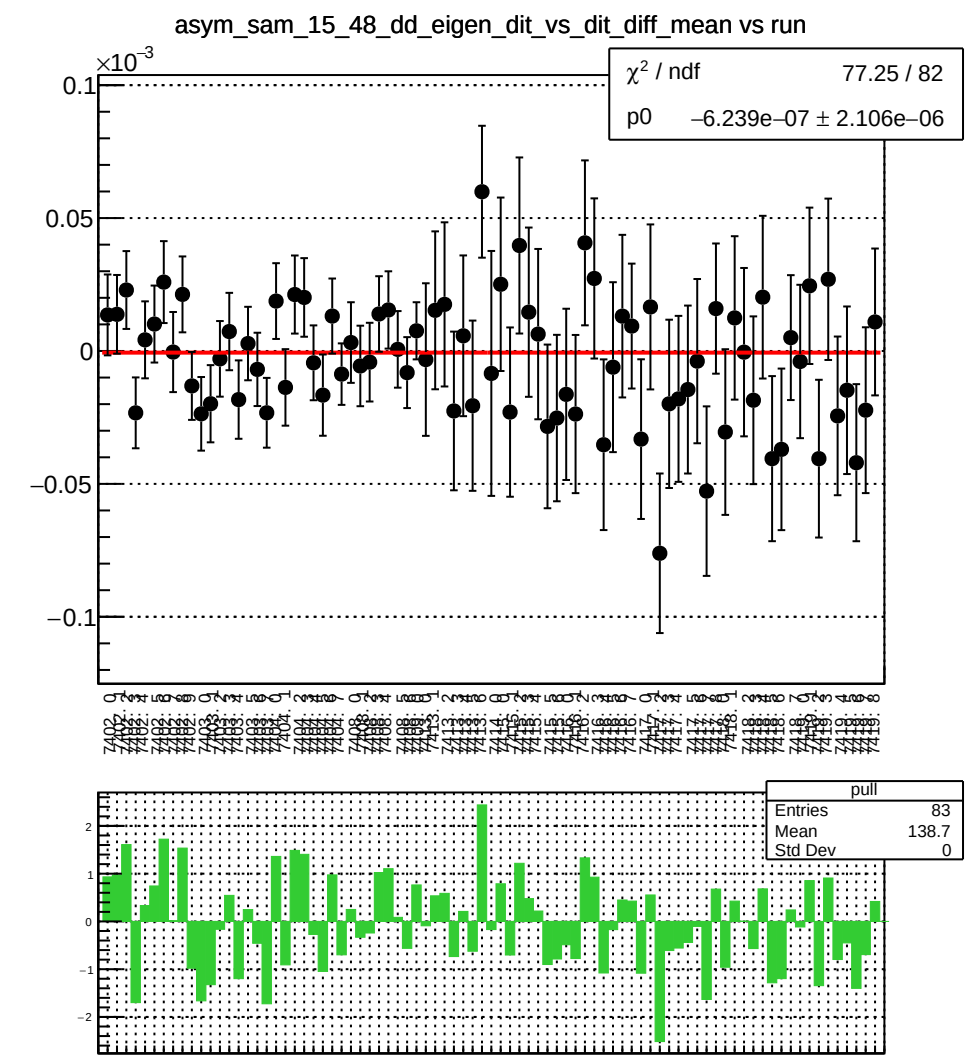

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.329e+06 / 82
p0 6.668e−12 ± 1.335e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

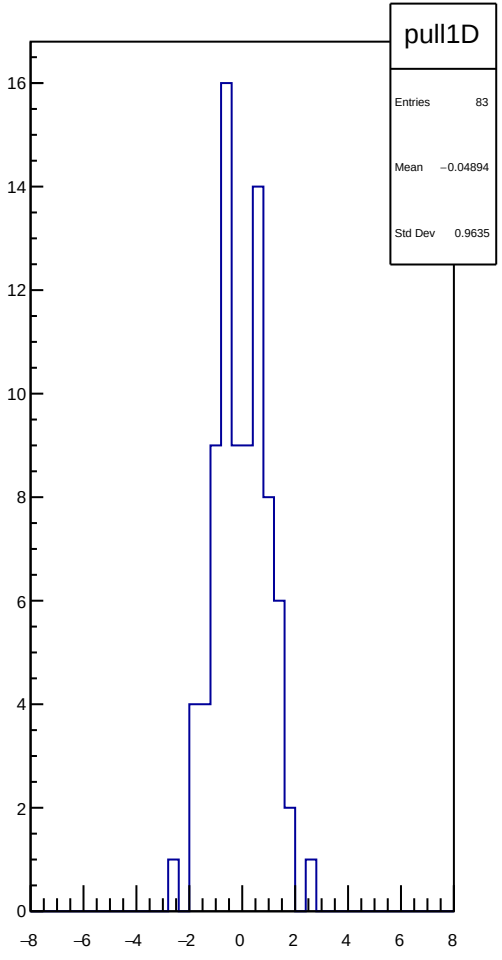

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 92.38 / 82
p0 0.04981 ± 0.09706
pull
Entries 83
Mean 94.74
Std Dev 0
pull1D
Entries 83
Mean 0.03149
Std Dev 1.055

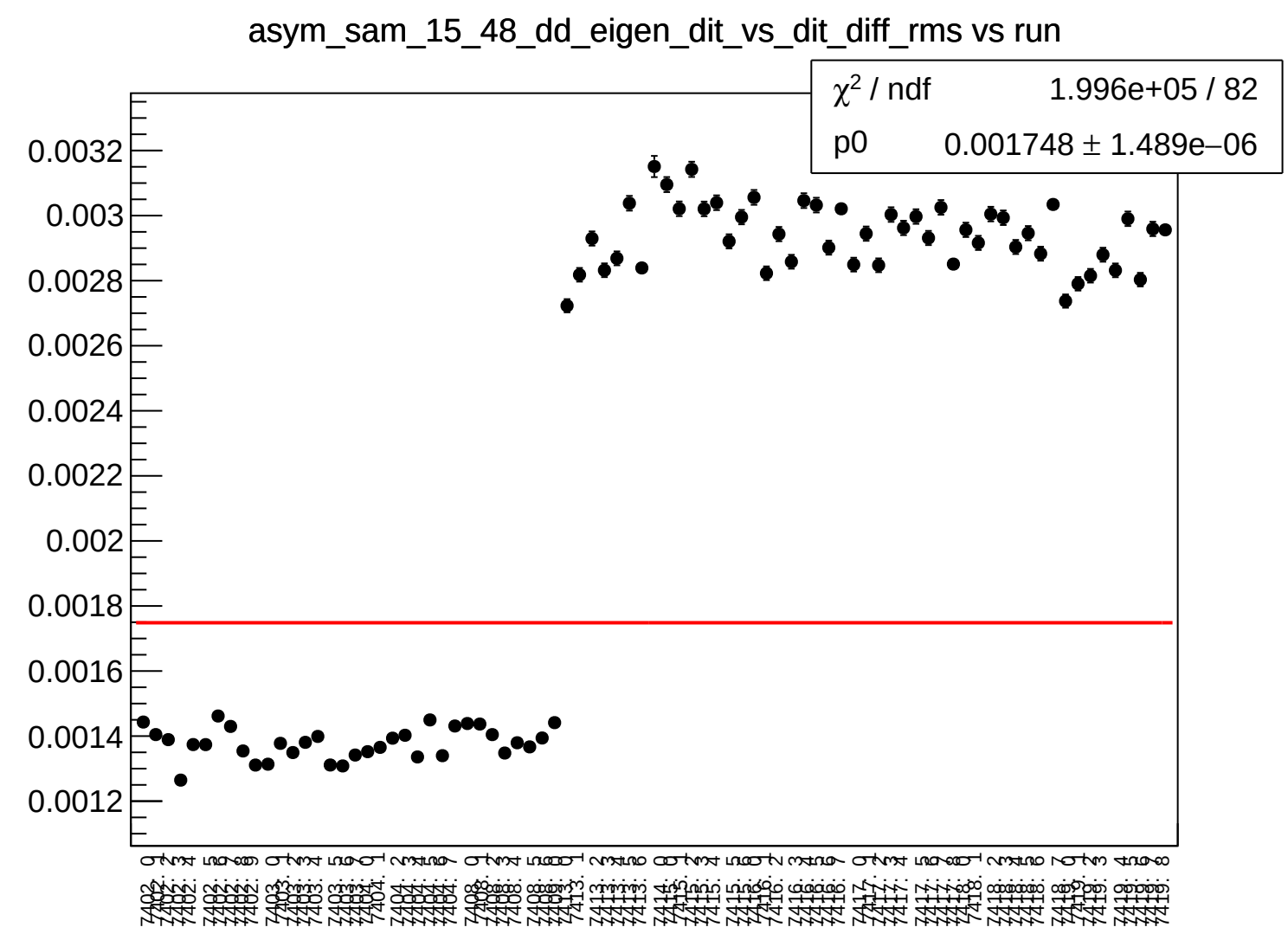

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.893e+04 / 82
p0 84.6 ± 0.06863
130
120
110
100
90
80
70
60

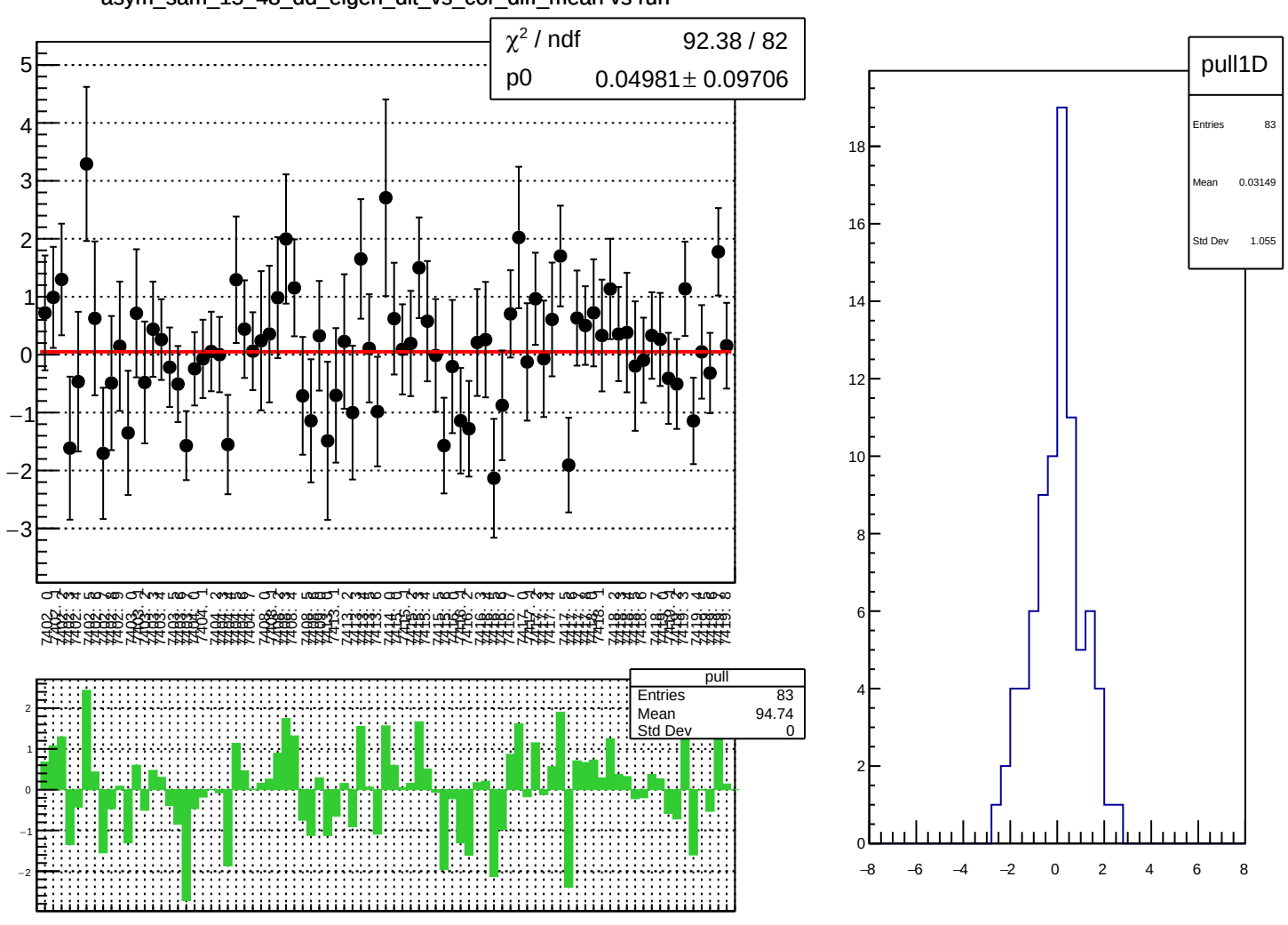

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.38 / 82
p0 0.04981 ± 0.09706
pull
Entries 83
Mean 94.74
Std Dev 0
pull1D
Entries 83
Mean 0.03149
Std Dev 1.055

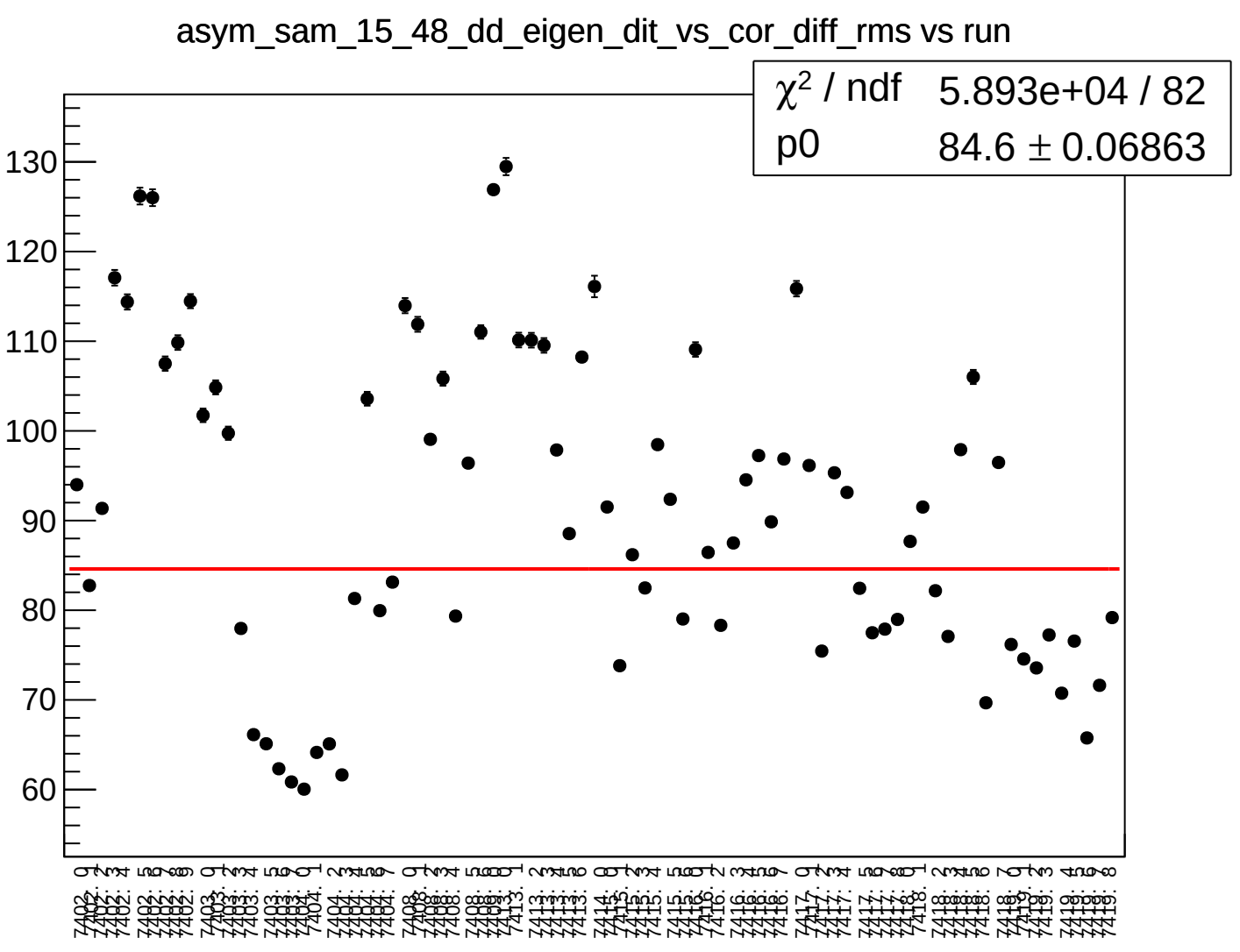

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.893e+04 / 82
p0 84.6 ± 0.06863
130
120
110
100
90
80
70
60

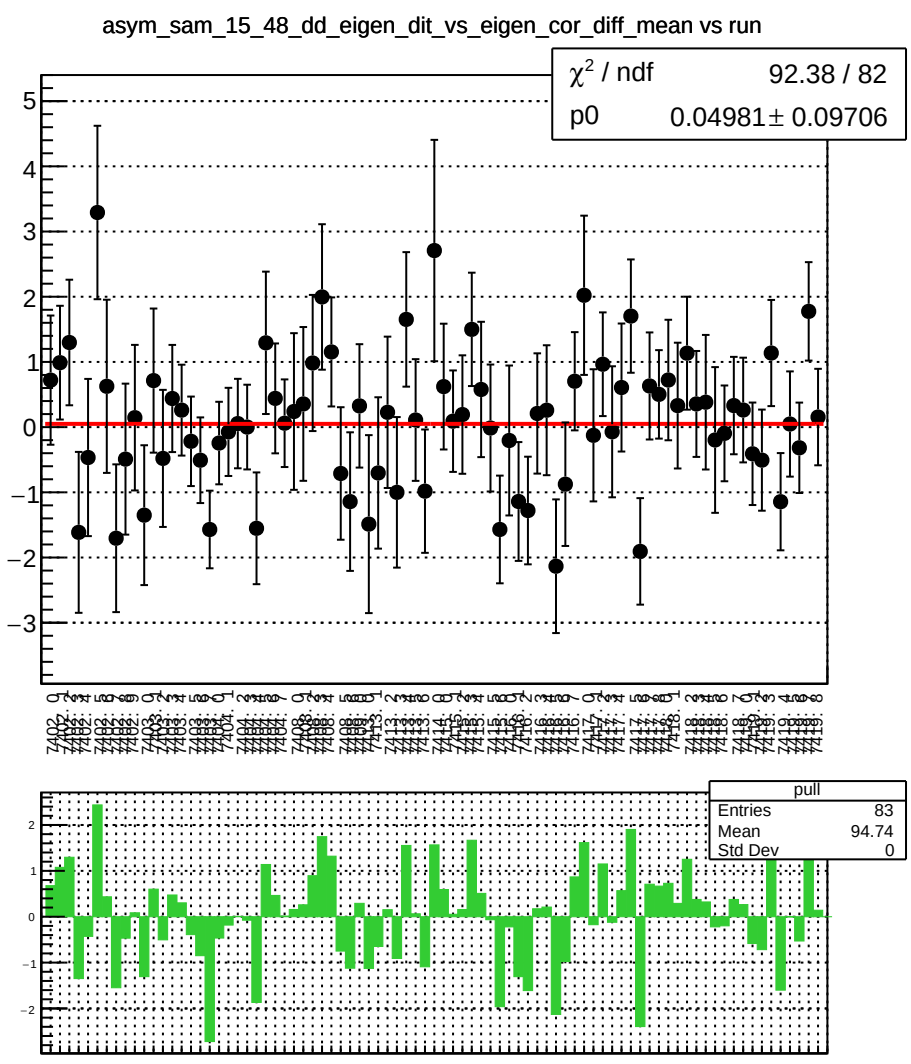

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 77.25 / 82
p0 −6.239e−07 ± 2.106e−06
pull
Entries 83
Mean 138.7
Std Dev 0

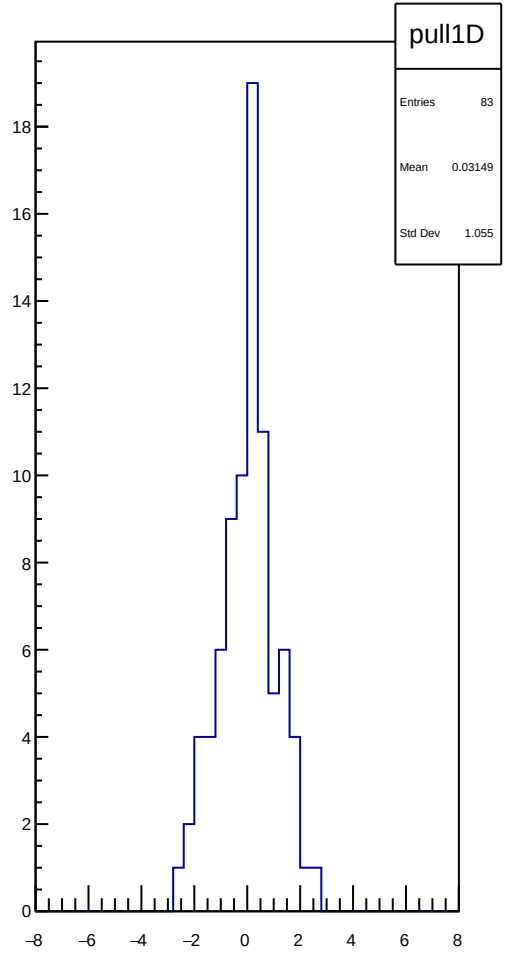

pull1D
Entries 83
Mean −0.04894
Std Dev 0.9635

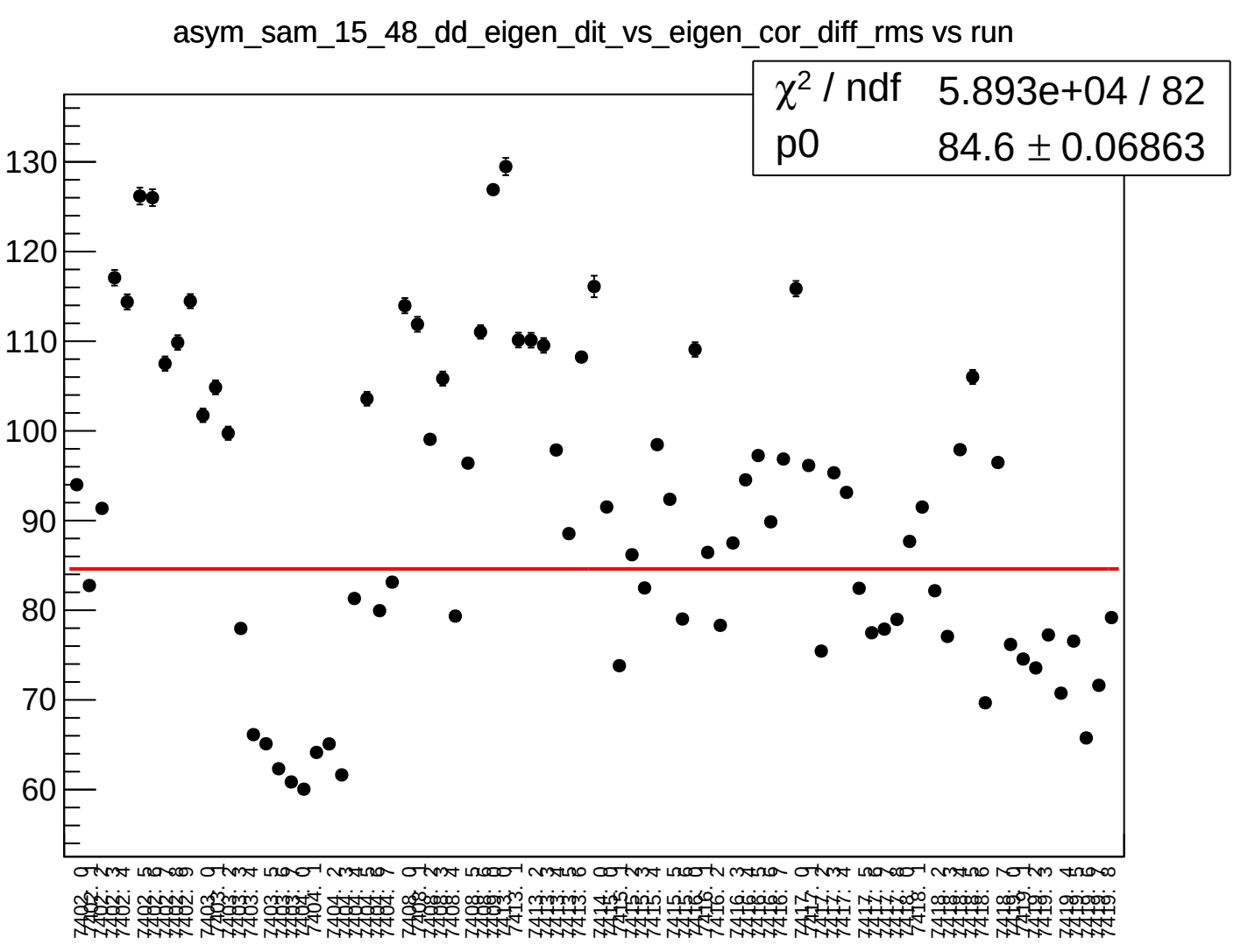

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.996e+05 / 82
p0 0.001748 ± 1.489e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

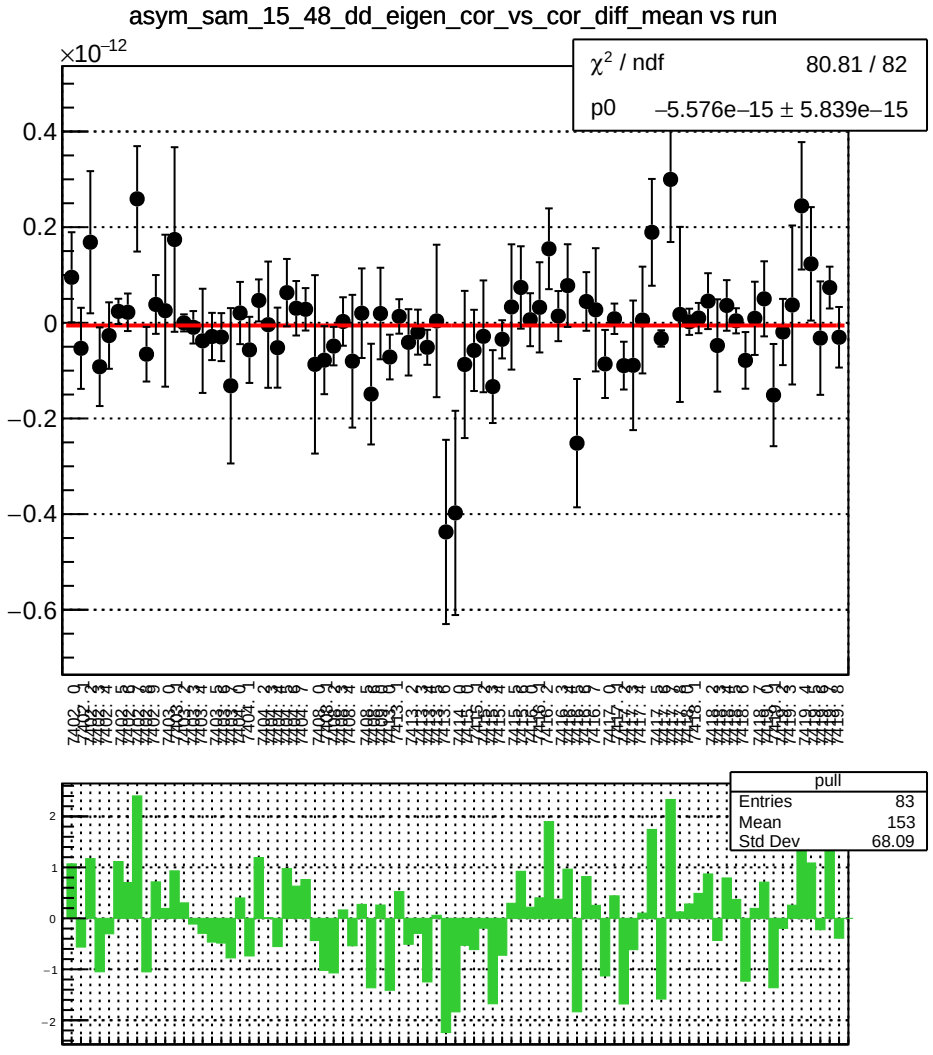

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 92.38 / 82
p0 0.04981 ± 0.09706
pull
Entries 83
Mean 94.74
Std Dev 0
pull1D
Entries 83
Mean 0.03149
Std Dev 1.055

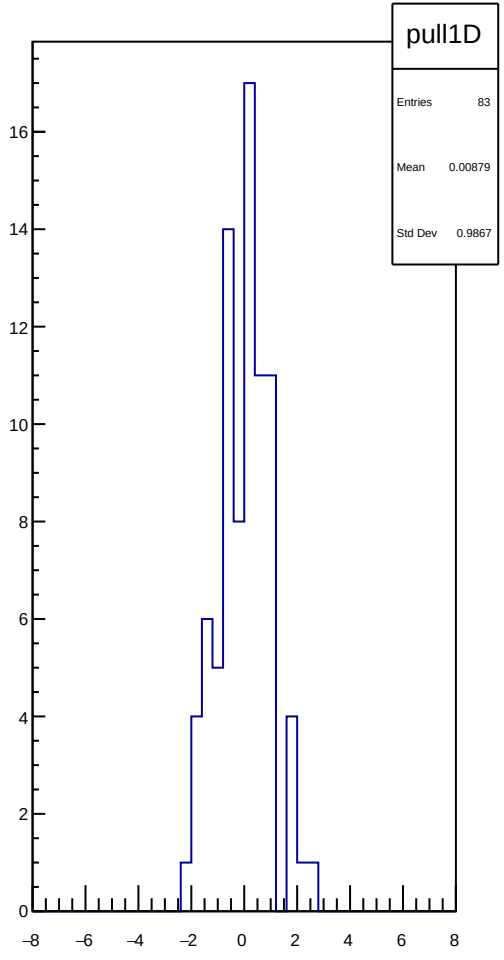

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.893e+04 / 82
p0 84.6 ± 0.06863
130
120
110
100
90
80
70
60

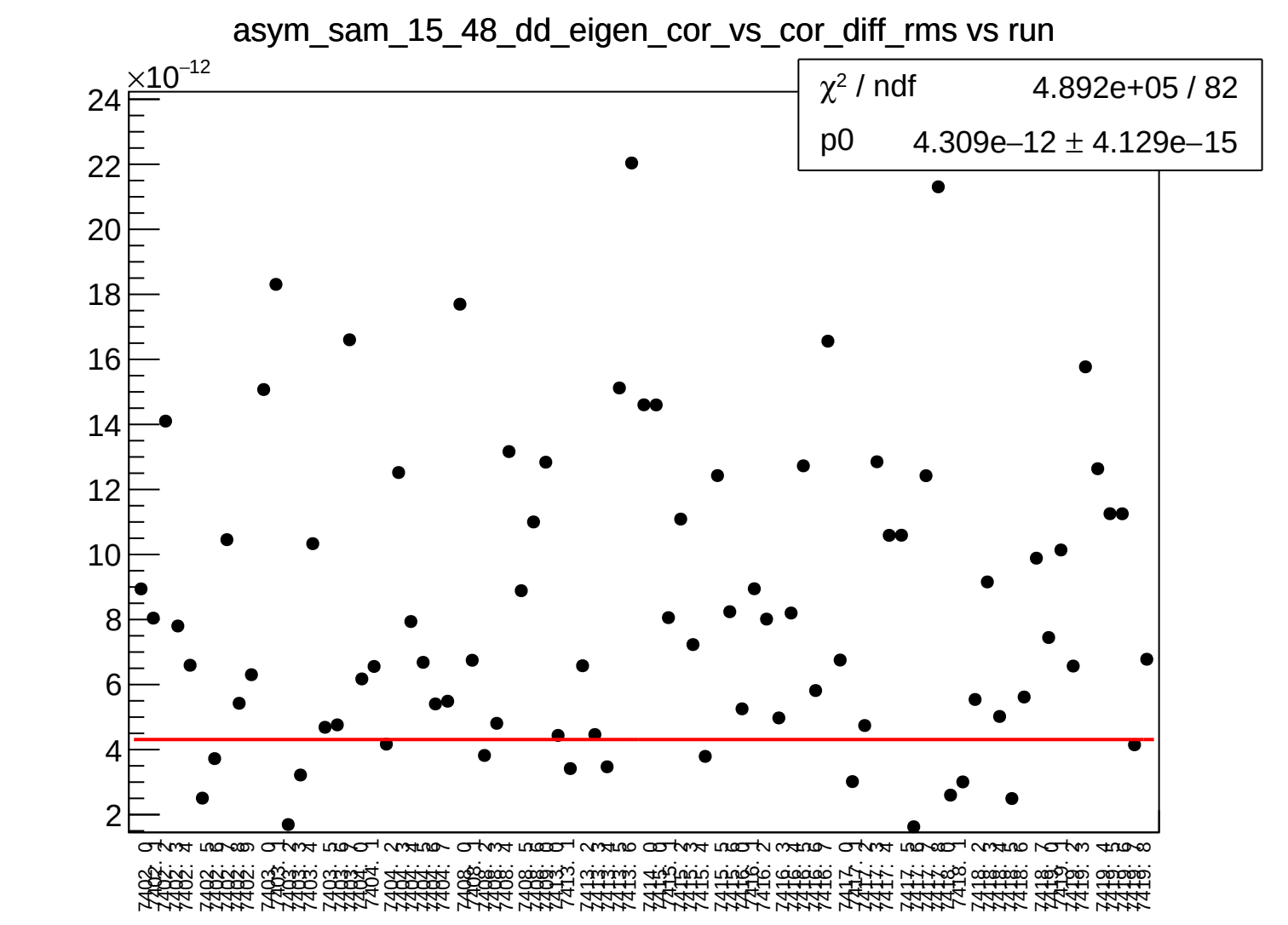

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.38 / 82
p0 0.04981 ± 0.09706
pull
Entries 83
Mean 94.74
Std Dev 0

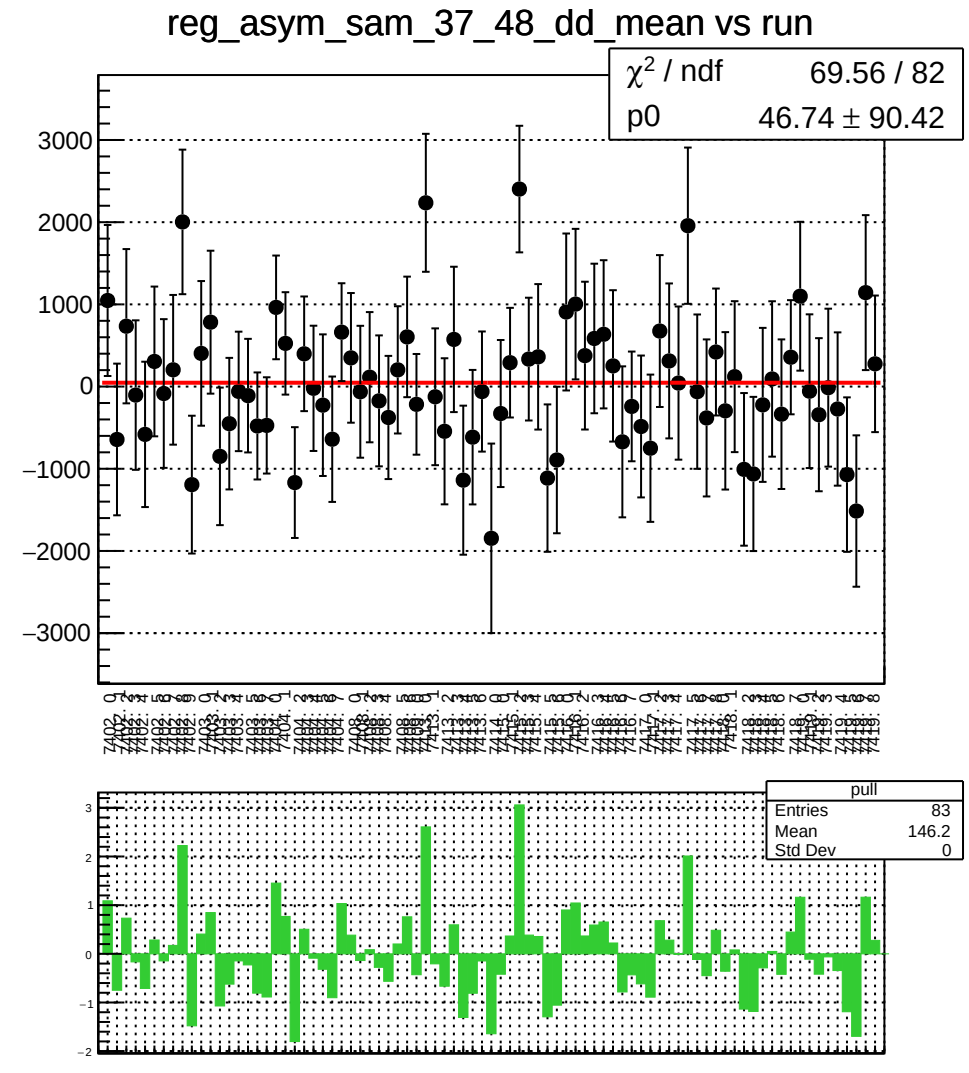

pull1D
Entries 83
Mean 0.03149
Std Dev 1.055

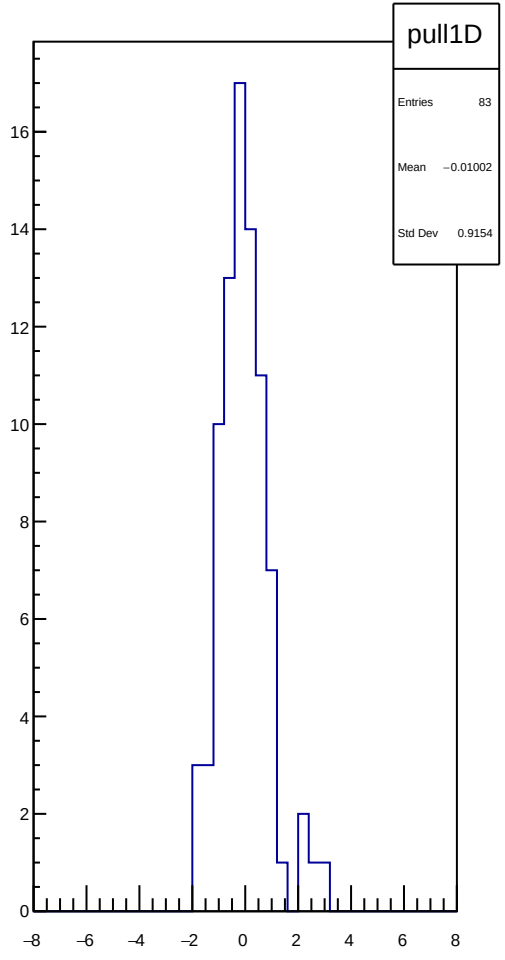

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.893e+04 / 82
p0 84.6 ± 0.06863
130
120
110
100
90
80
70
60

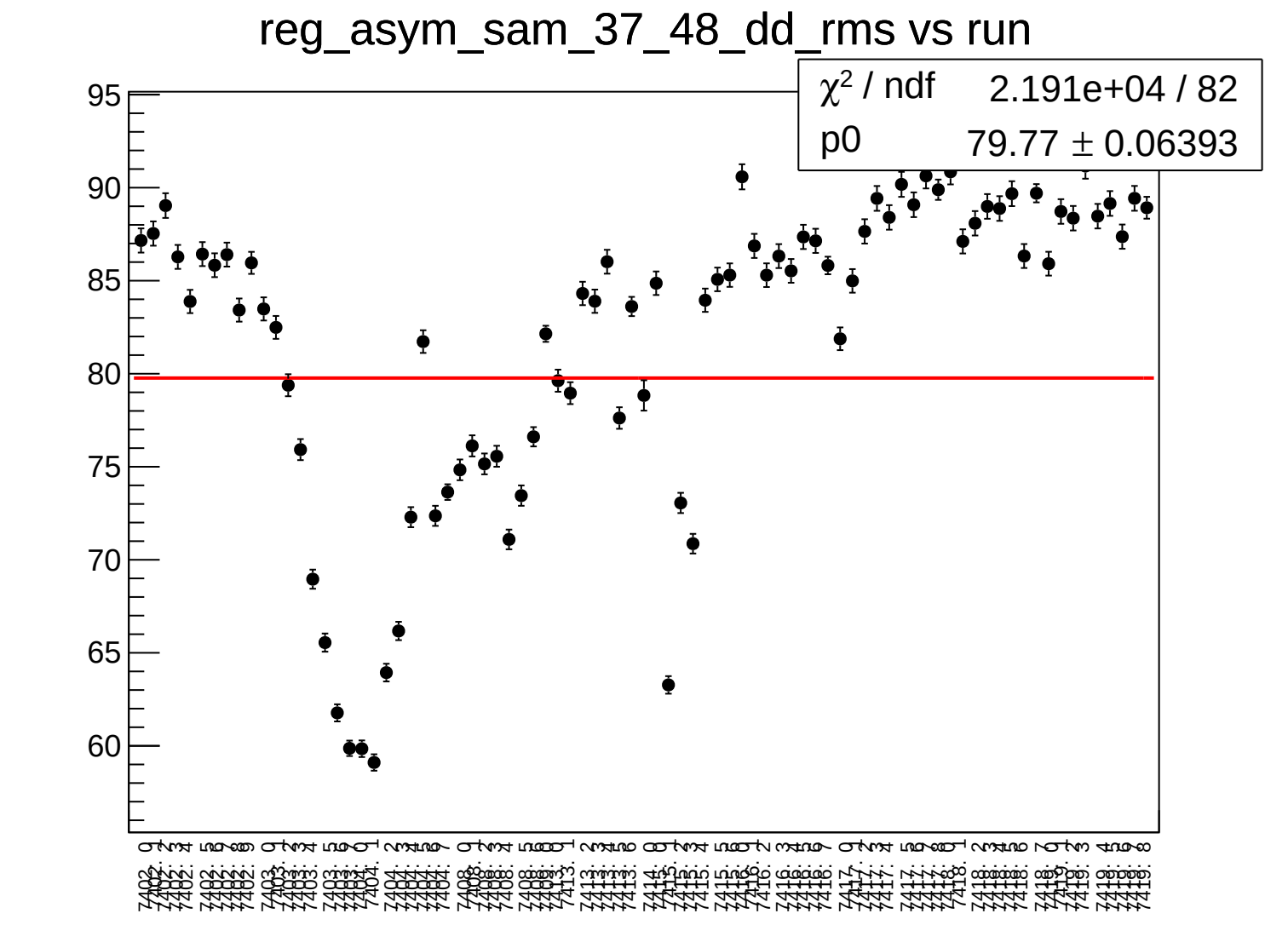

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.81 / 82
p0 −5.576e−15 ± 5.839e−15
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 83
Mean 153
Std Dev 68.09
2
1
0
−1
−2

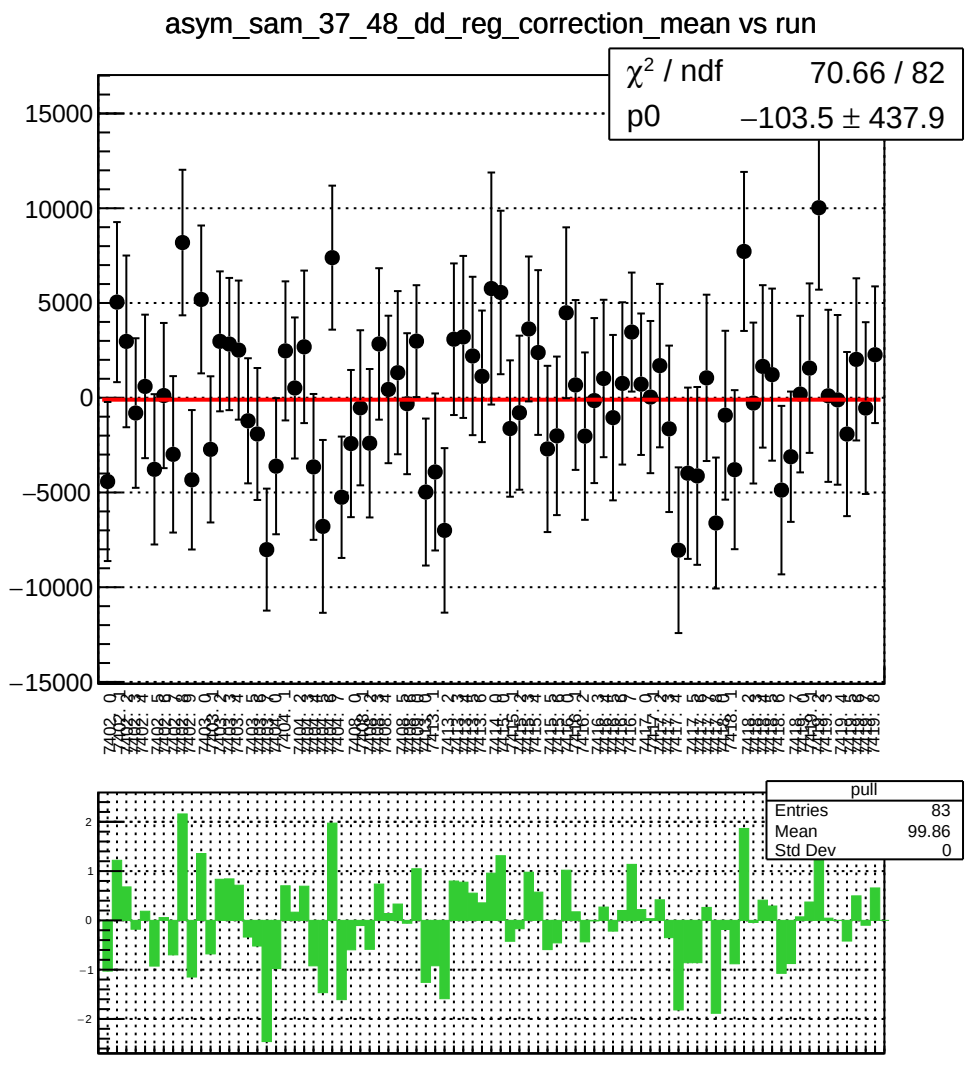

pull1D
Entries 83
Mean 0.00879
Std Dev 0.9867
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

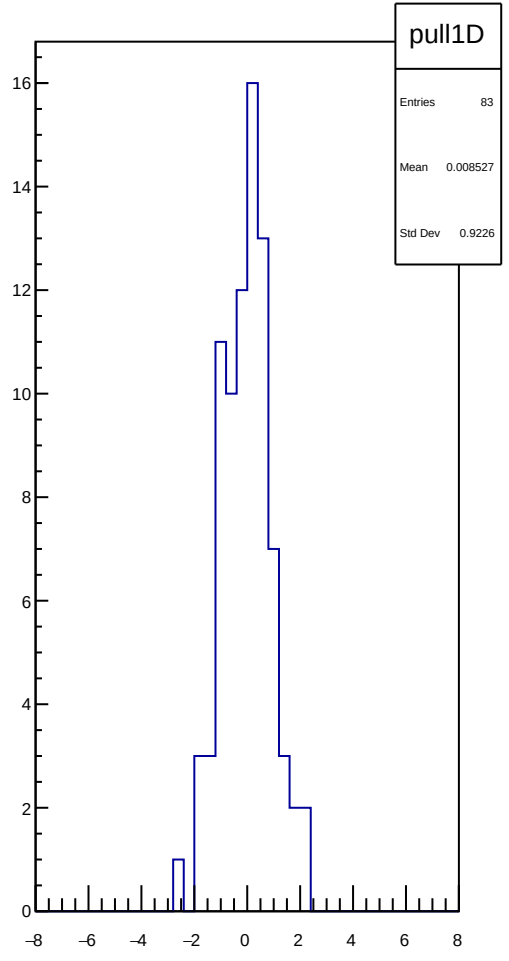

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.892e+05 / 82
p0 4.309e−12 ± 4.129e−15
24
22
20
18
16
14
12
10
8
6
4
2

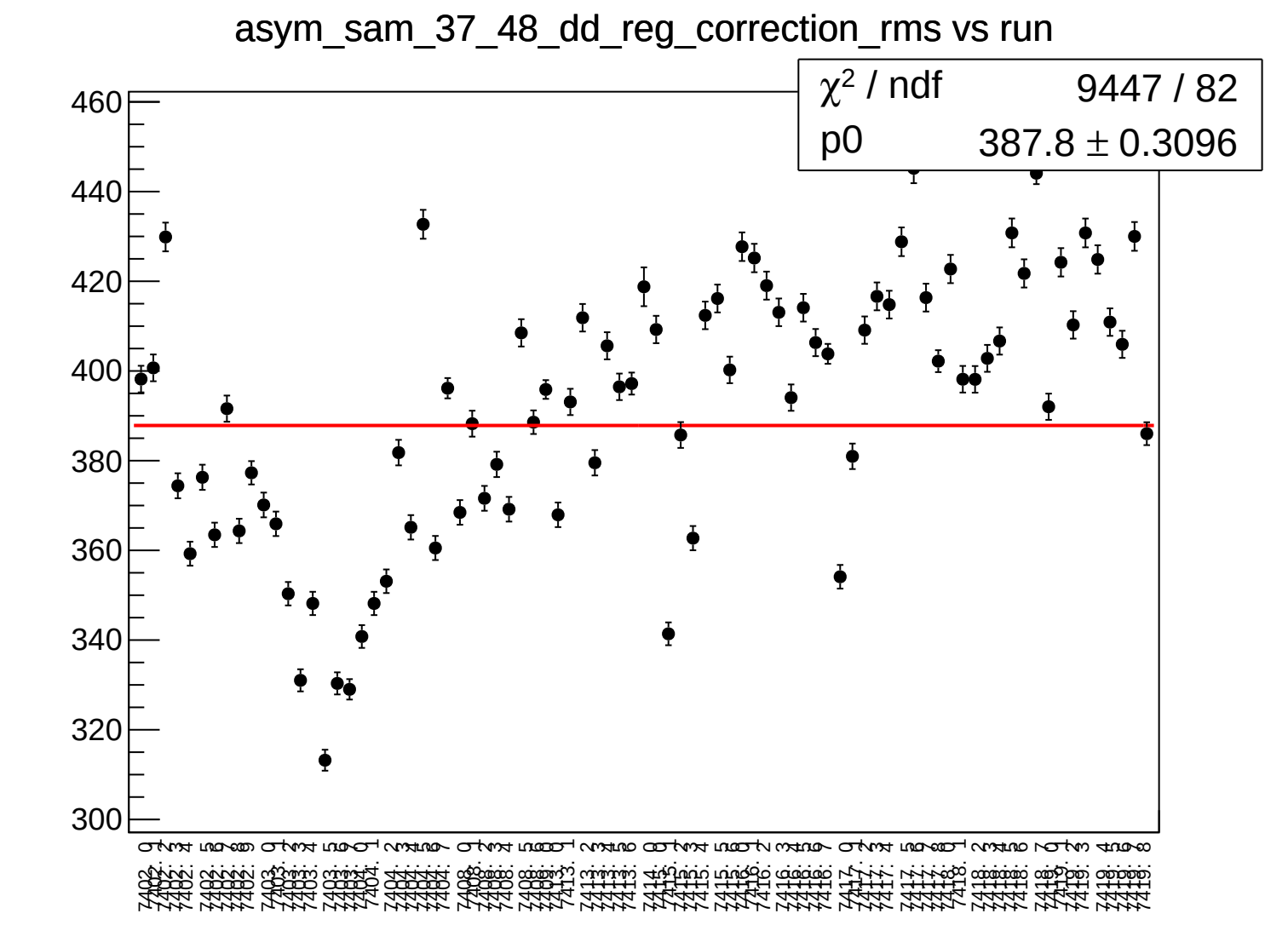

reg_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 69.56 / 82
p0 46.74 ± 90.42
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 146.2
Std Dev 0
3
2
1
0
−1
−2

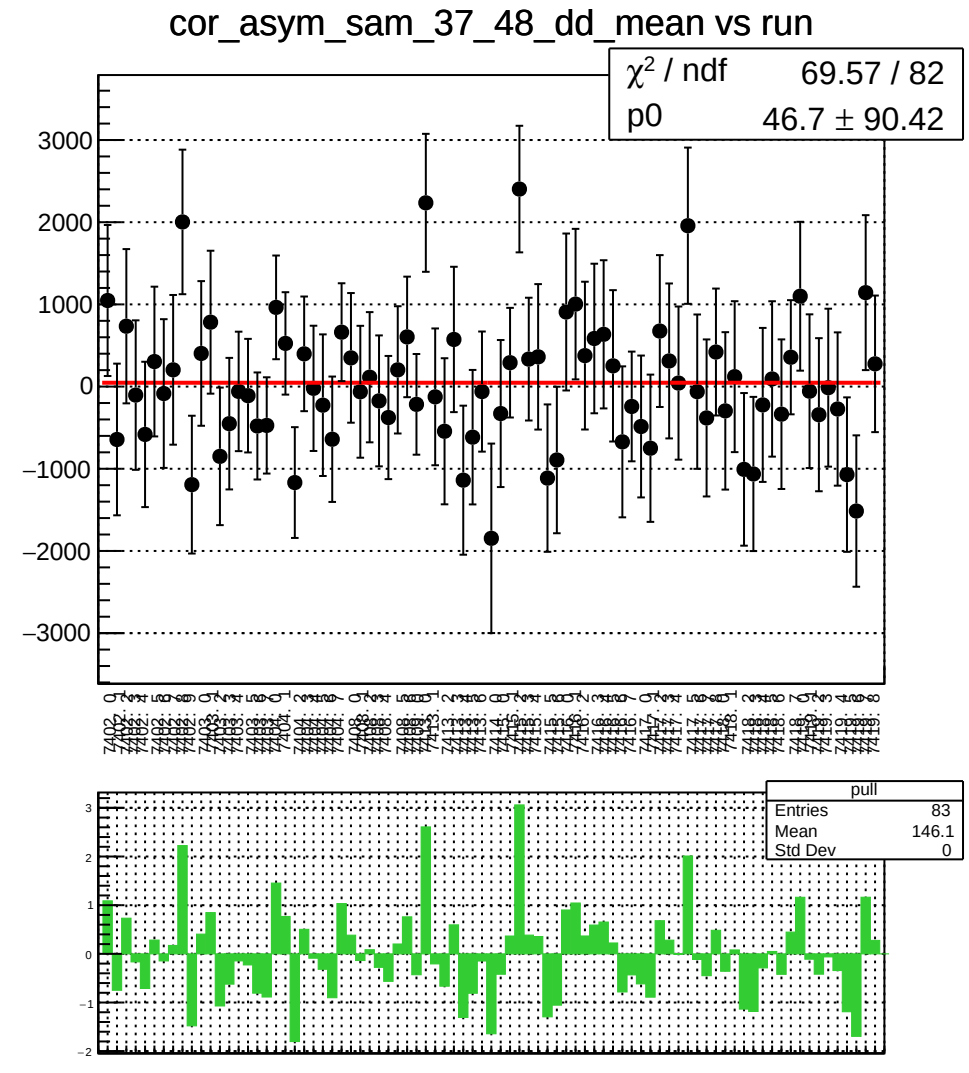

pull1D
Entries 83
Mean −0.01002
Std Dev 0.9154
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

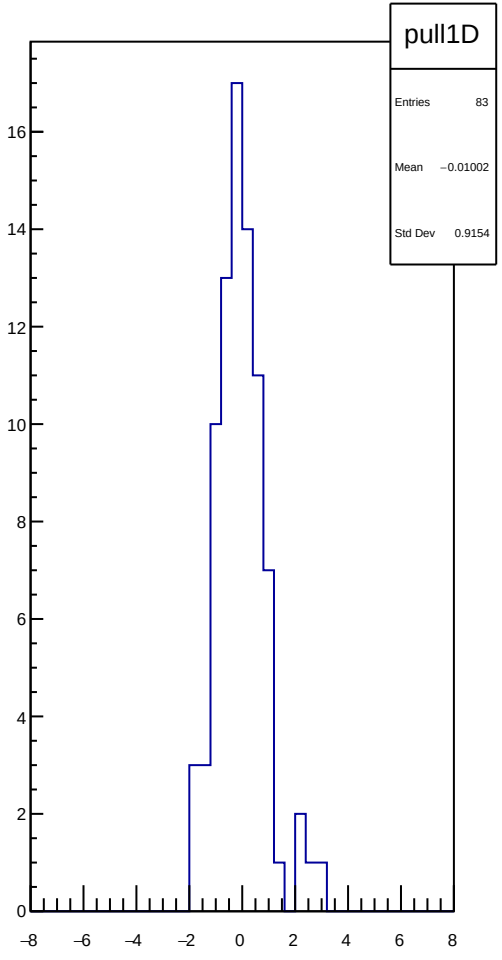

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.191e+04 / 82
p0 79.77 ± 0.06393
95
90
85
80
75
70
65
60

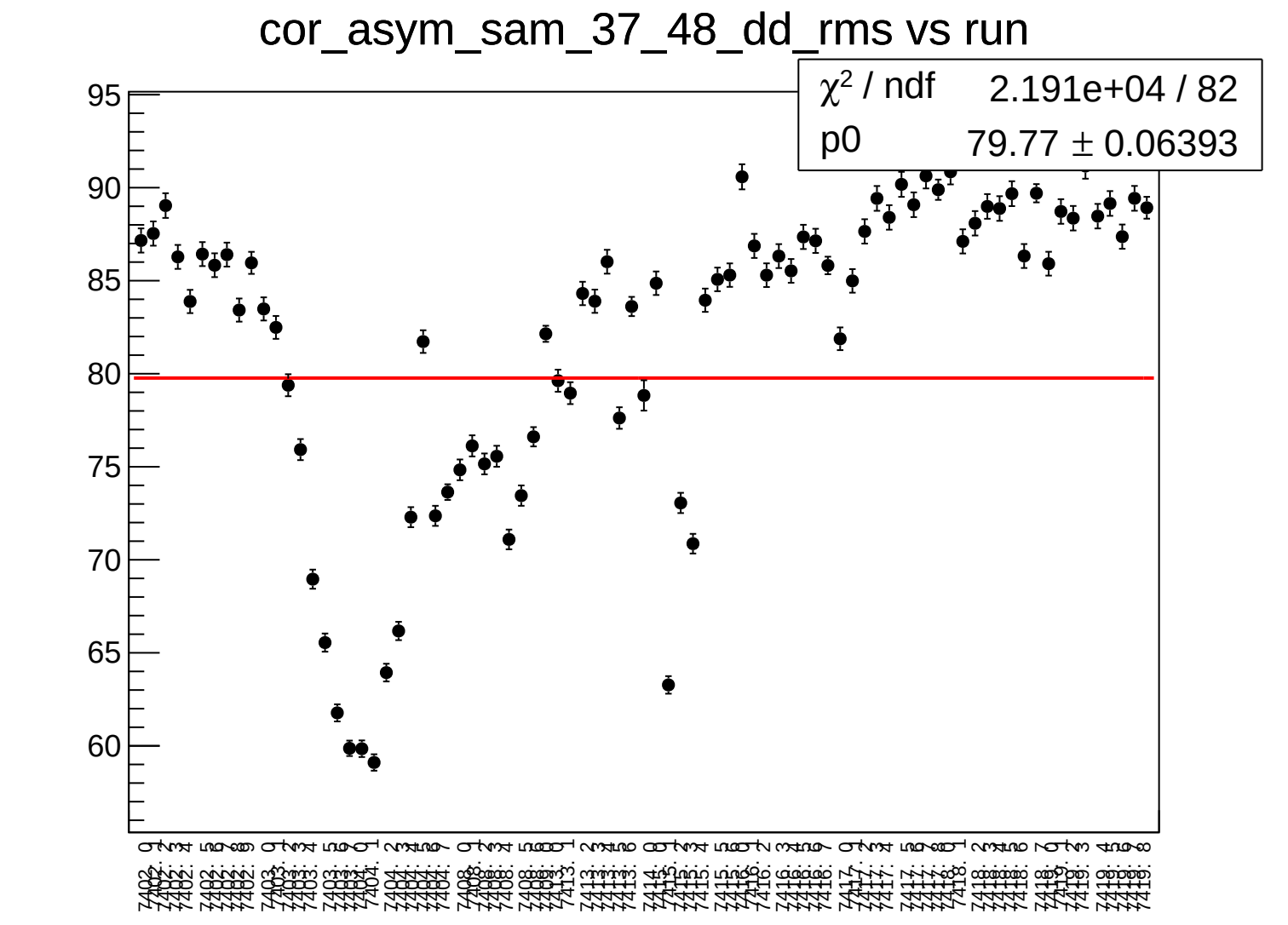

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 70.66 / 82
p0 −103.5 ± 437.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 99.86
Std Dev 0
2
1
0
−1
−2

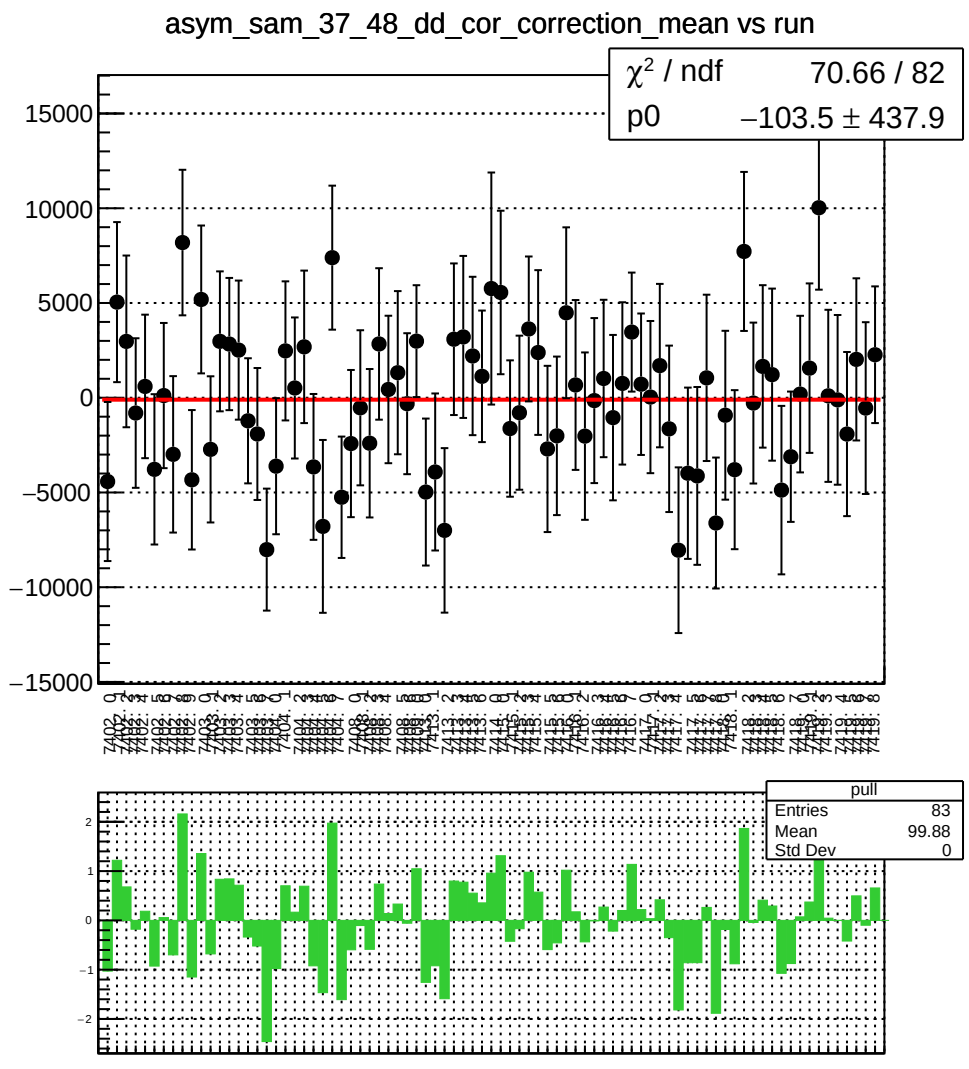

pull1D
Entries 83
Mean 0.008527
Std Dev 0.9226
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

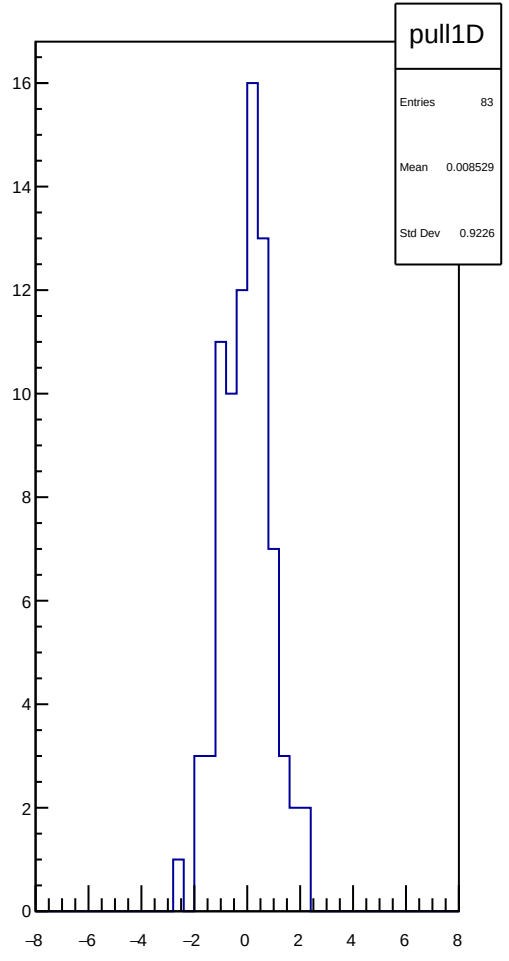

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 9447 / 82
p0 387.8 ± 0.3096
460
440
420
400
380
360
340
320
300

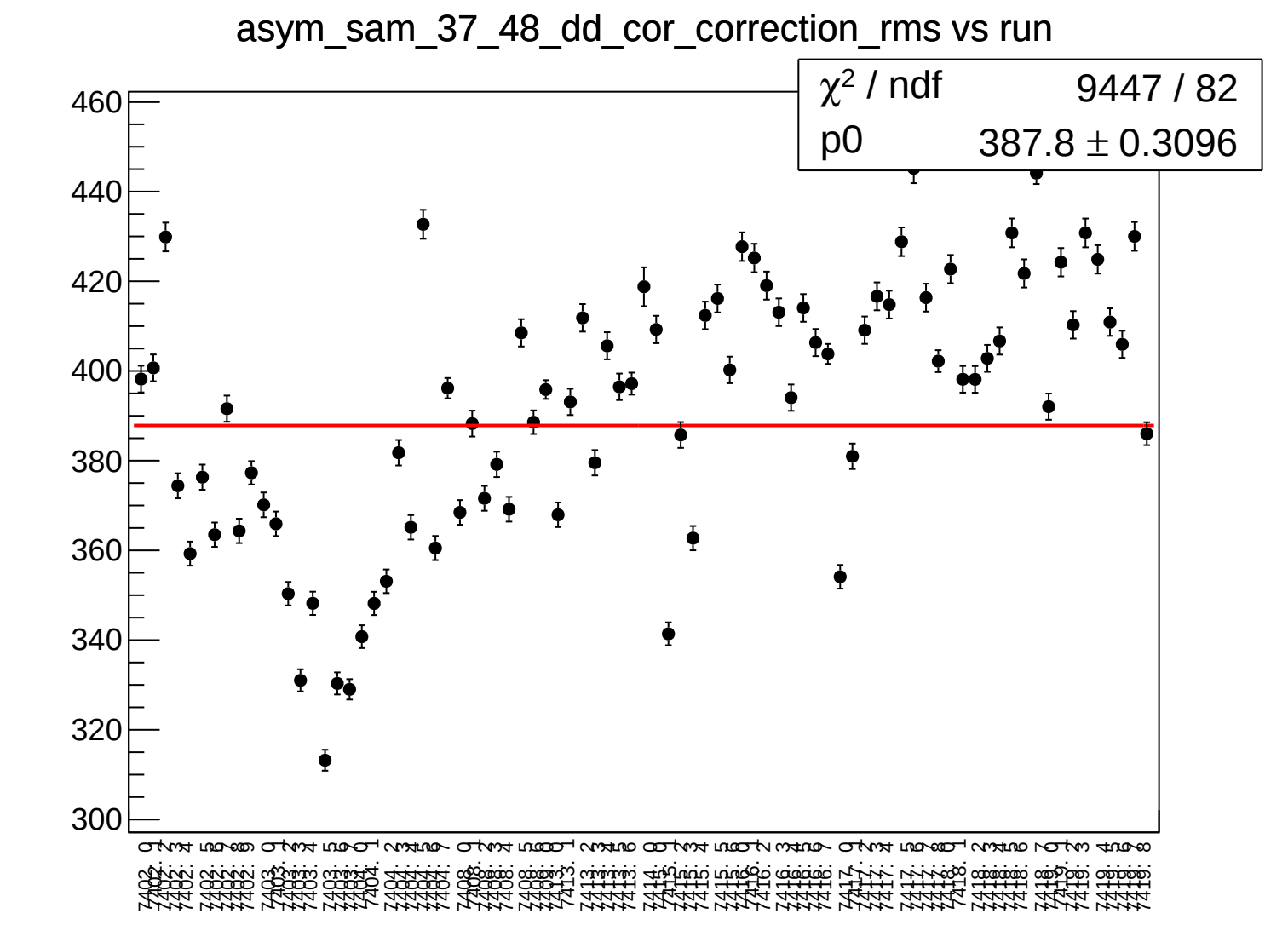

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 69.57 / 82
p0 46.7 ± 90.42
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 146.1
Std Dev 0
3
2
1
0
−1
−2

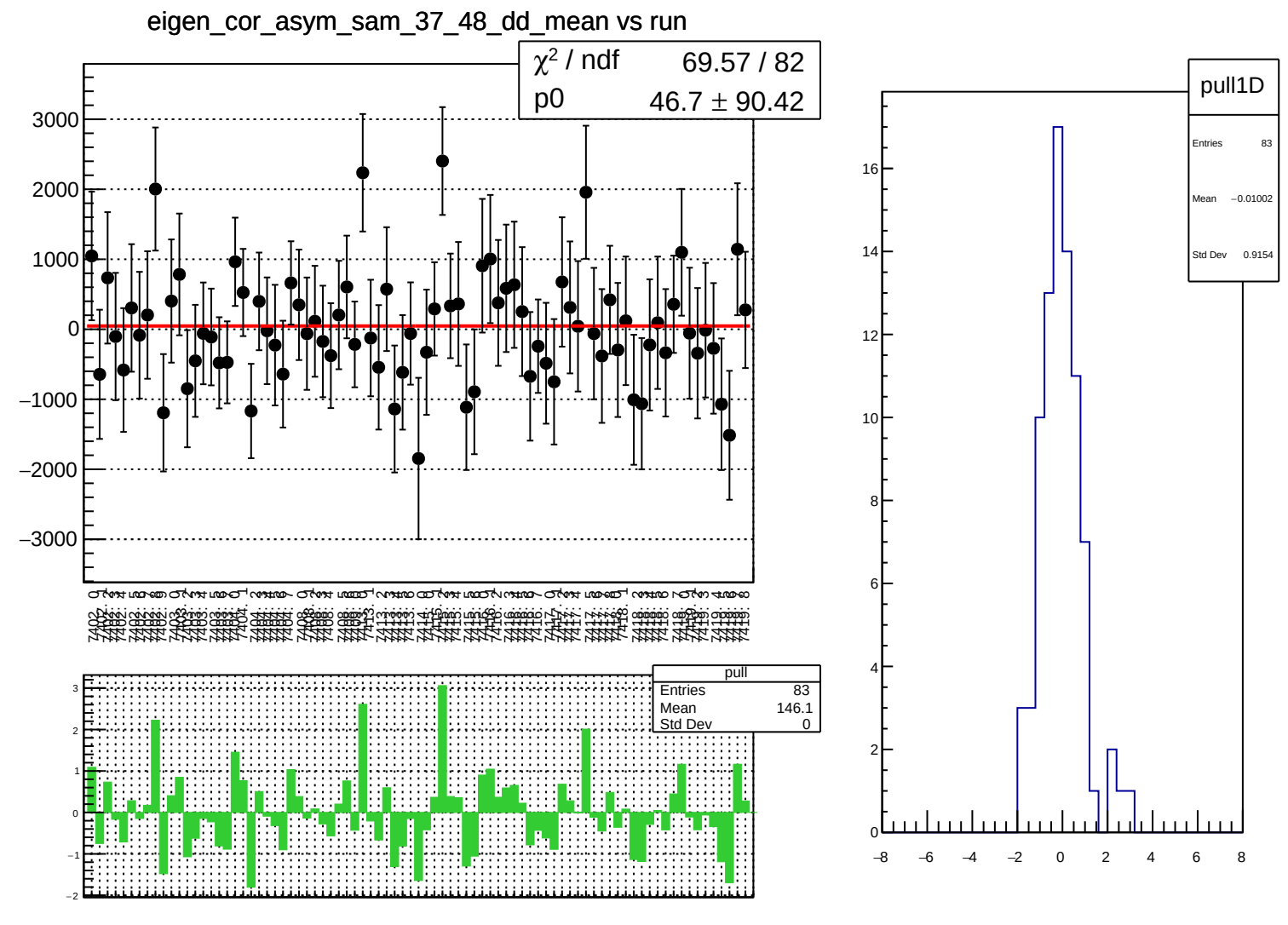

pull1D
Entries 83
Mean −0.01002
Std Dev 0.9154
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

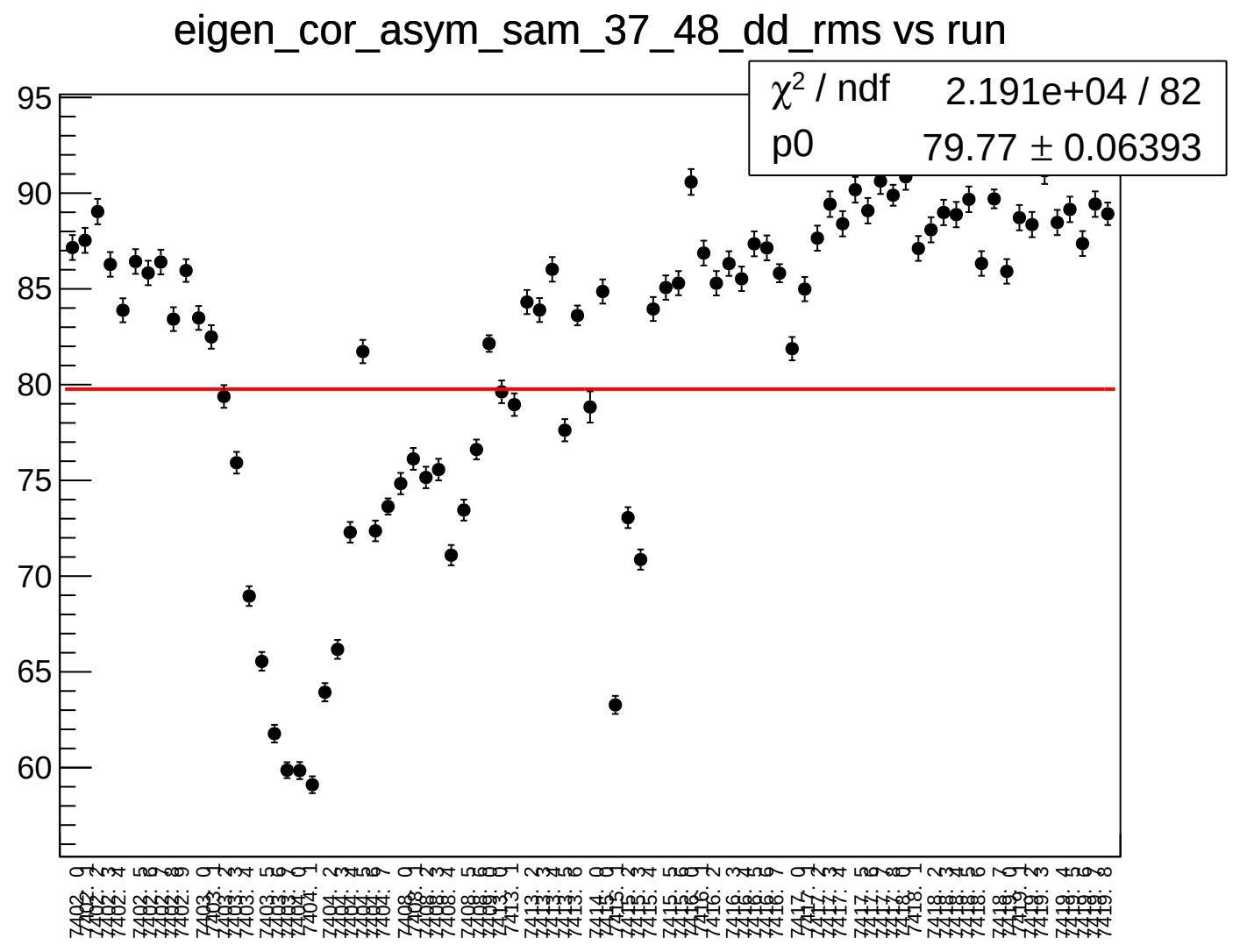

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.191e+04 / 82
p0 79.77 ± 0.06393
95
90
85
80
75
70
65
60

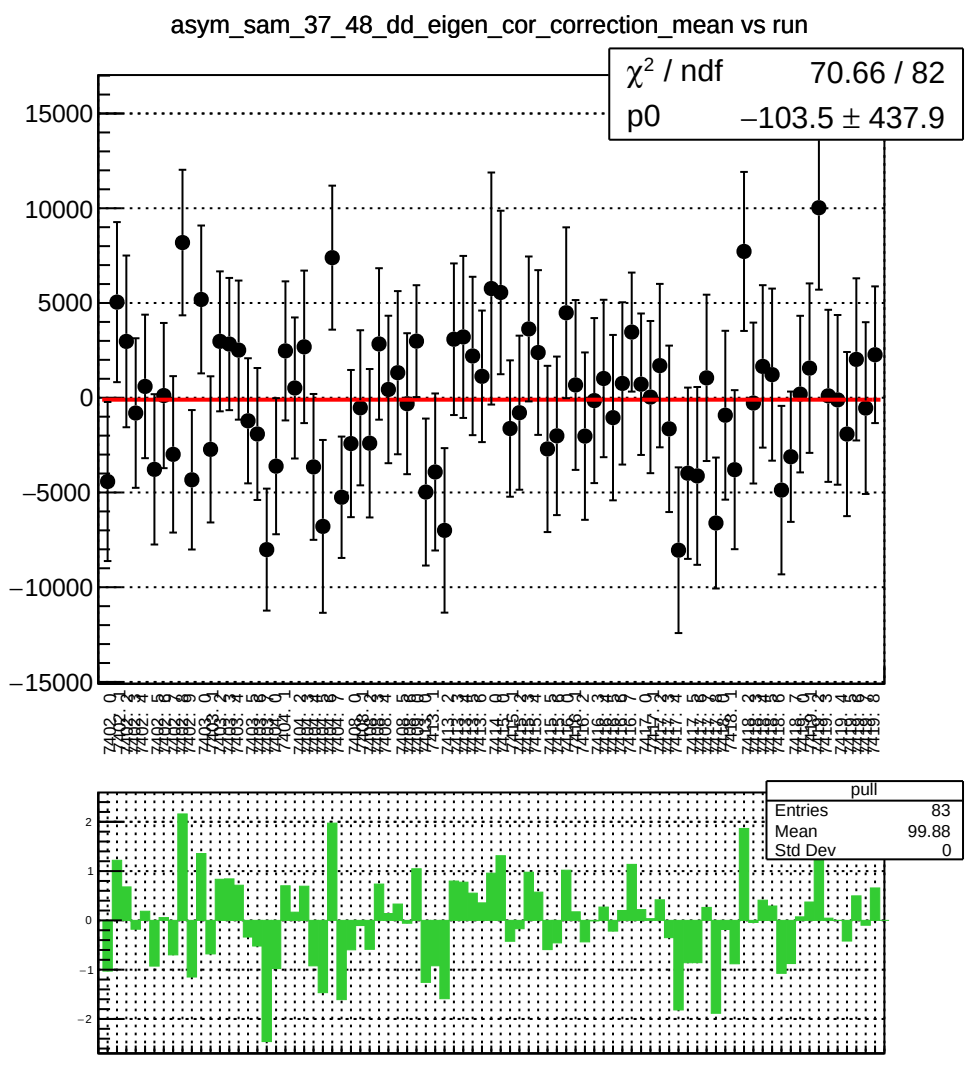

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 70.66 / 82
p0 −103.5 ± 437.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 99.88
Std Dev 0
2
1
0
−1
−2

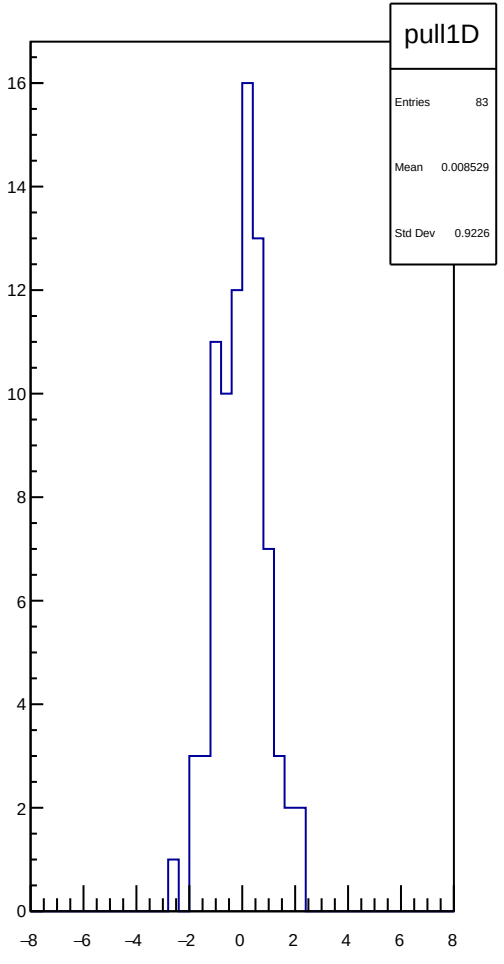

pull1D
Entries 83
Mean 0.008529
Std Dev 0.9226
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

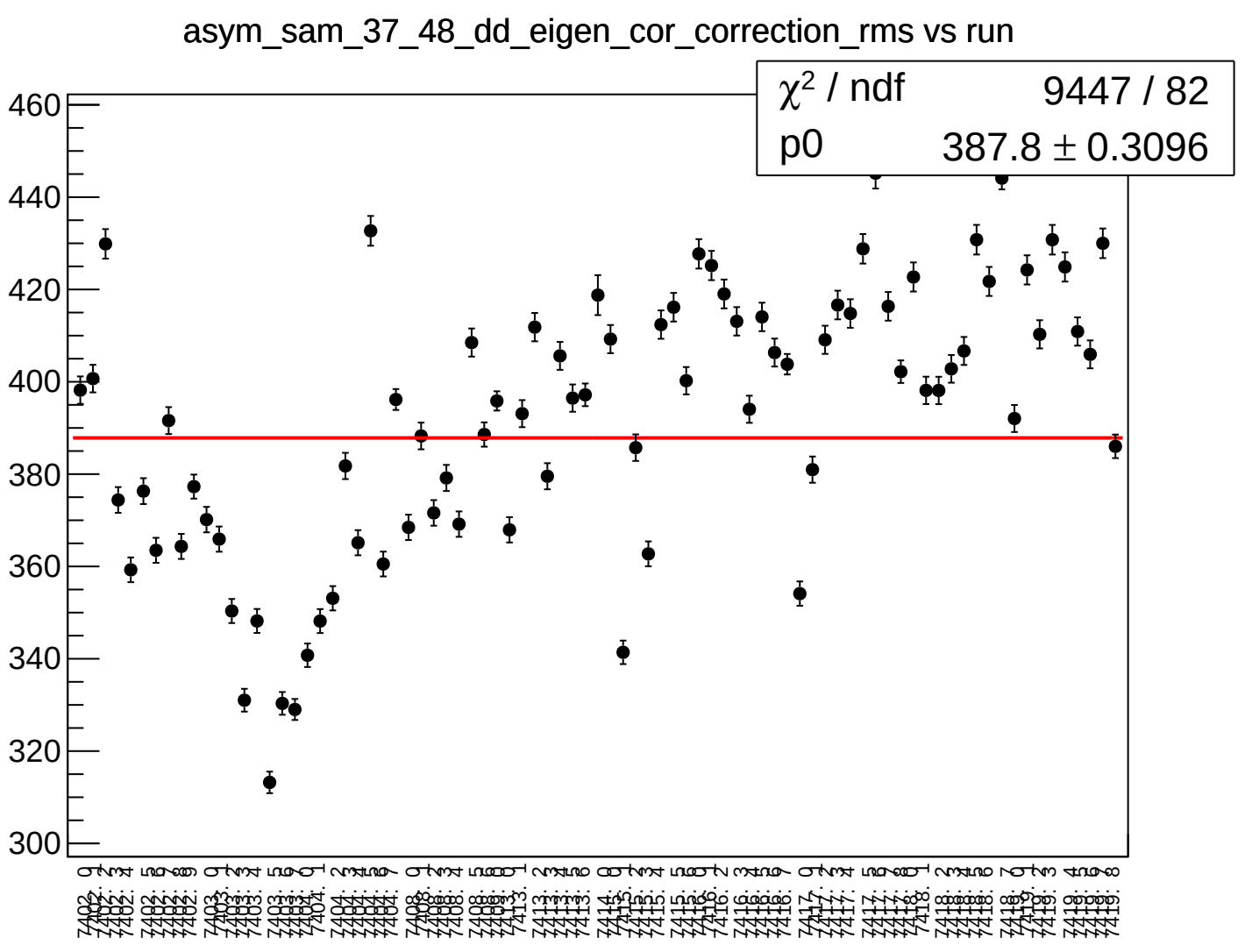

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 9447 / 82
p0 387.8 ± 0.3096
460
440
420
400
380
360
340
320
300

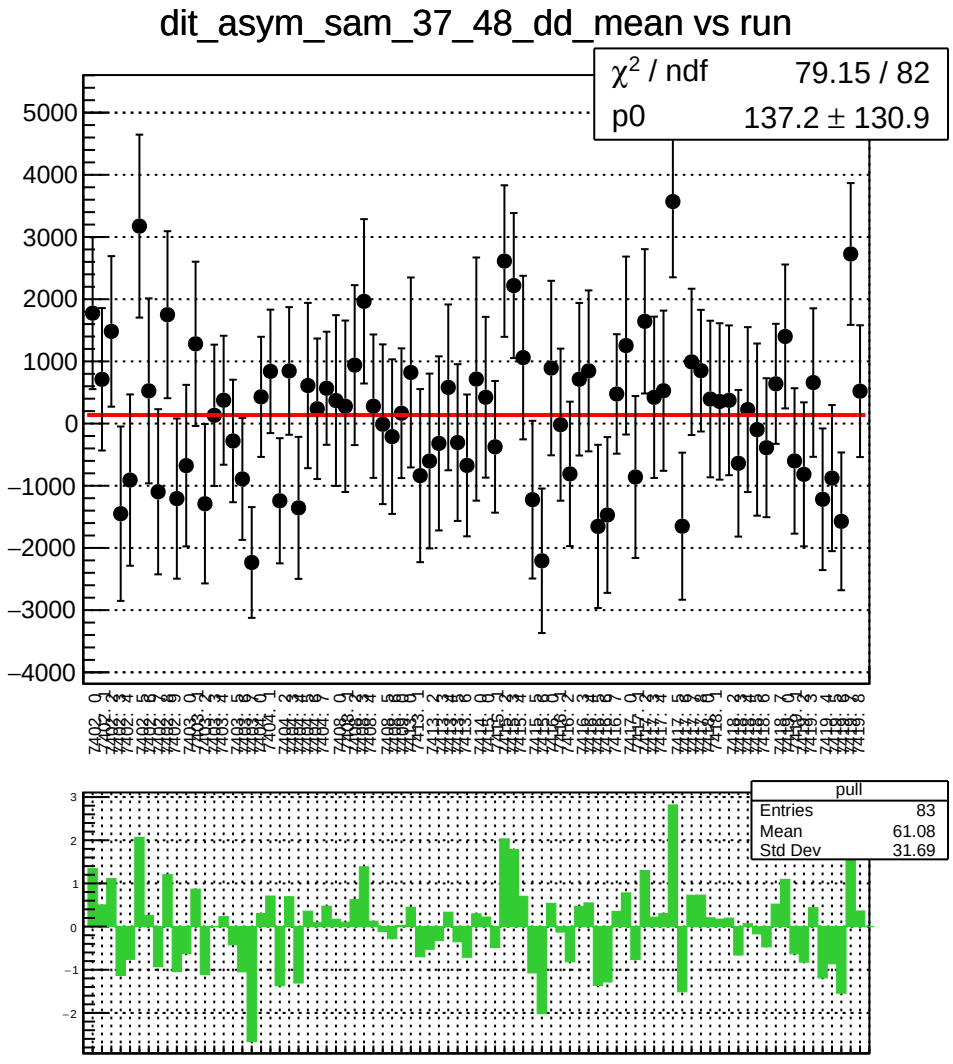

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 69.57 / 82
p0 46.7 ± 90.42
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 146.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01002
Std Dev 0.9154
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

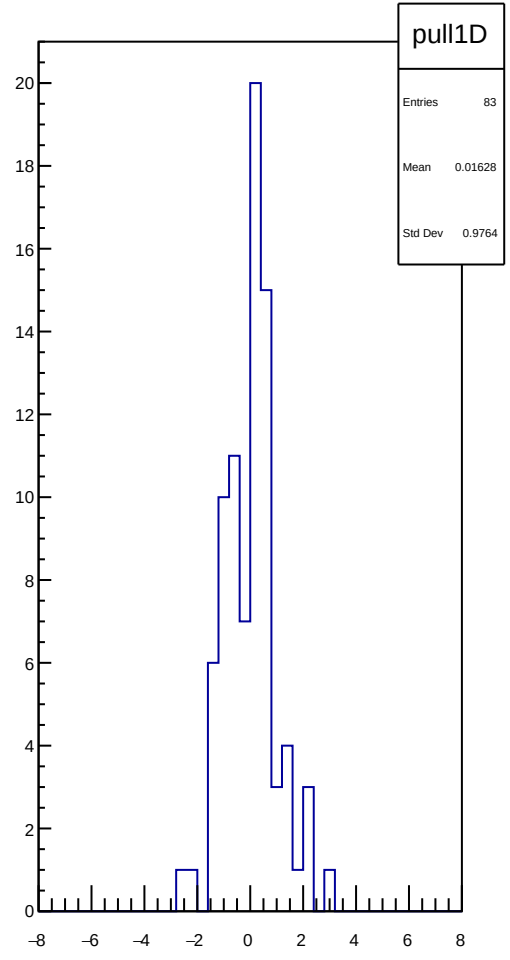

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.191e+04 / 82
p0 79.77 ± 0.06393
95
90
85
80
75
70
65
60

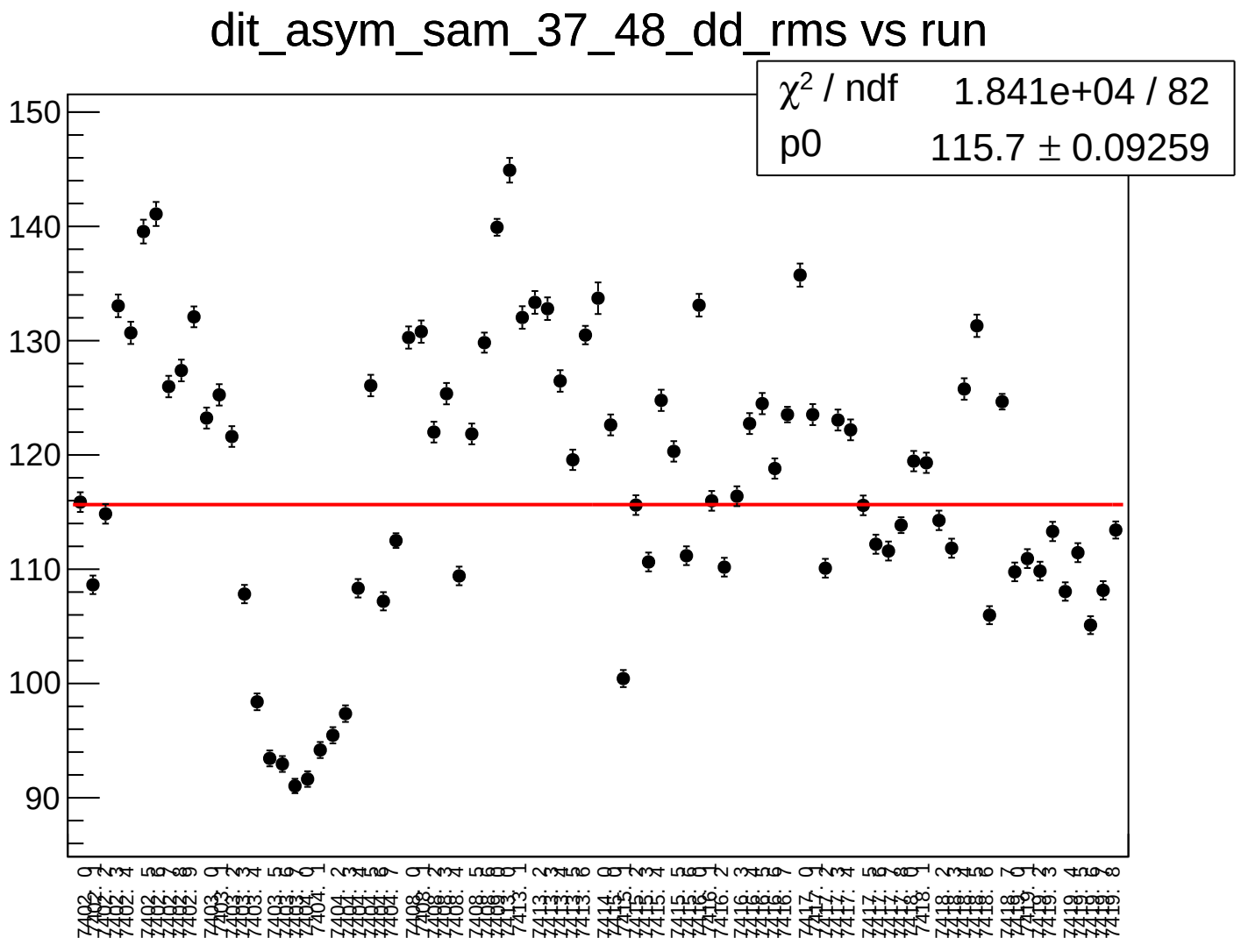

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 70.66 / 82
p0 −103.5 ± 437.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 99.88
Std Dev 0
2
1
0
−1
−2

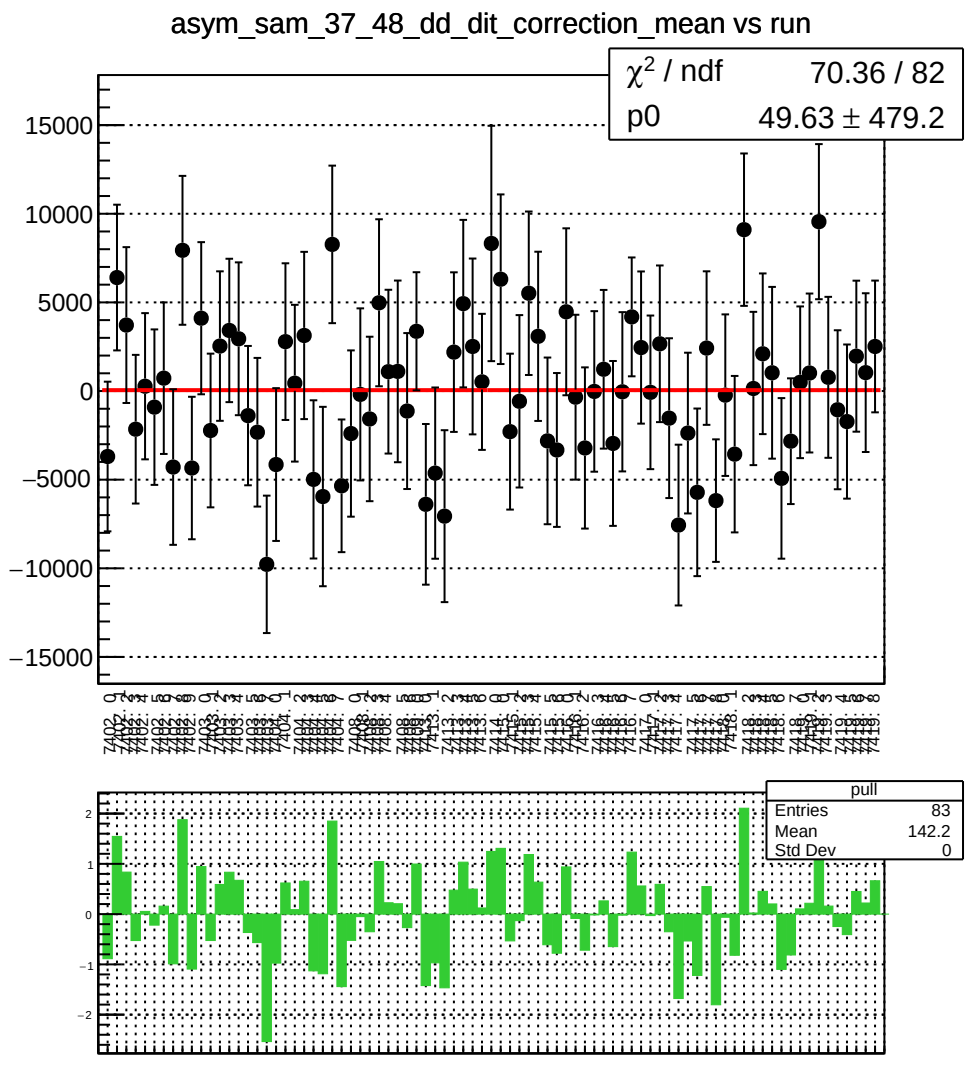

pull1D
Entries 83
Mean 0.008529
Std Dev 0.9226
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

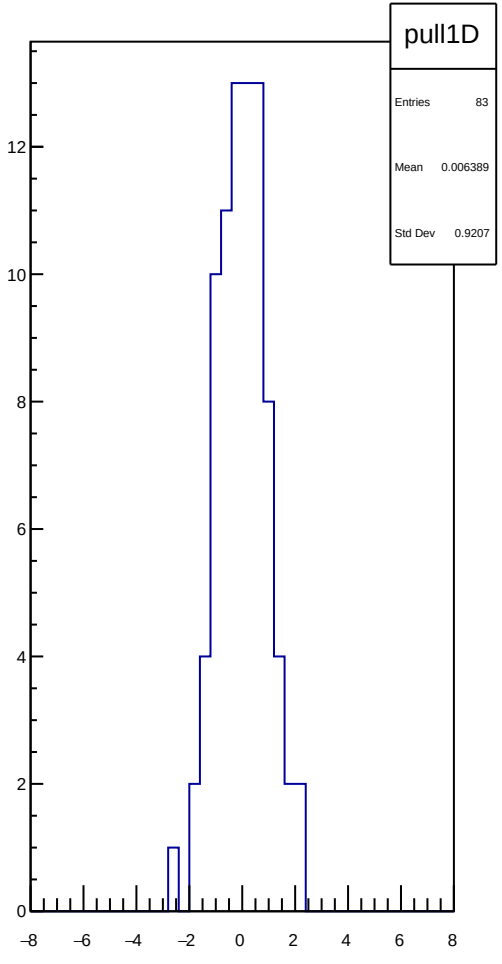

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 9447 / 82
p0 387.8 ± 0.3096
460
440
420
400
380
360
340
320
300

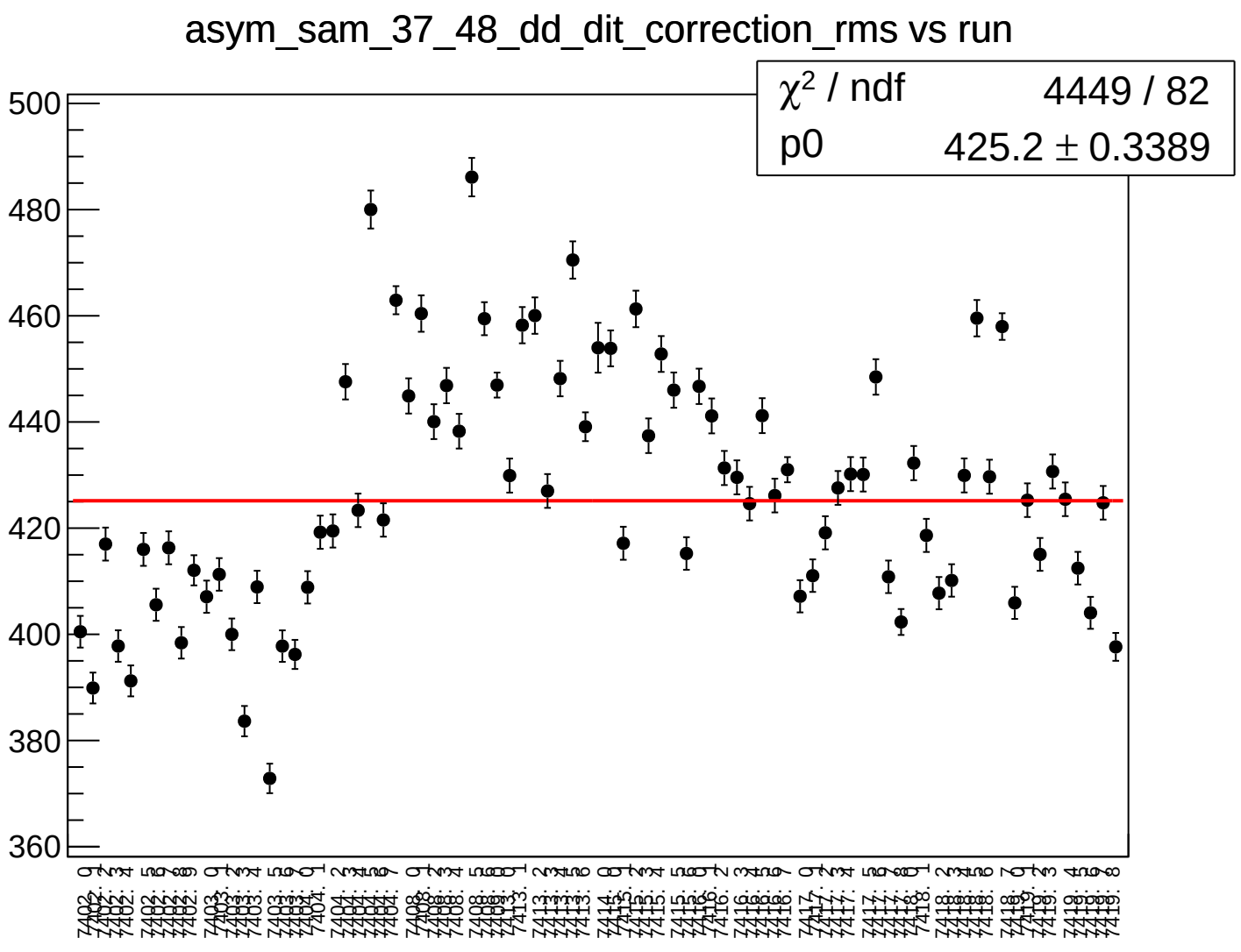

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 79.15 / 82
p0 137.2 ± 130.9
pull
Entries 83
Mean 61.08
Std Dev 31.69

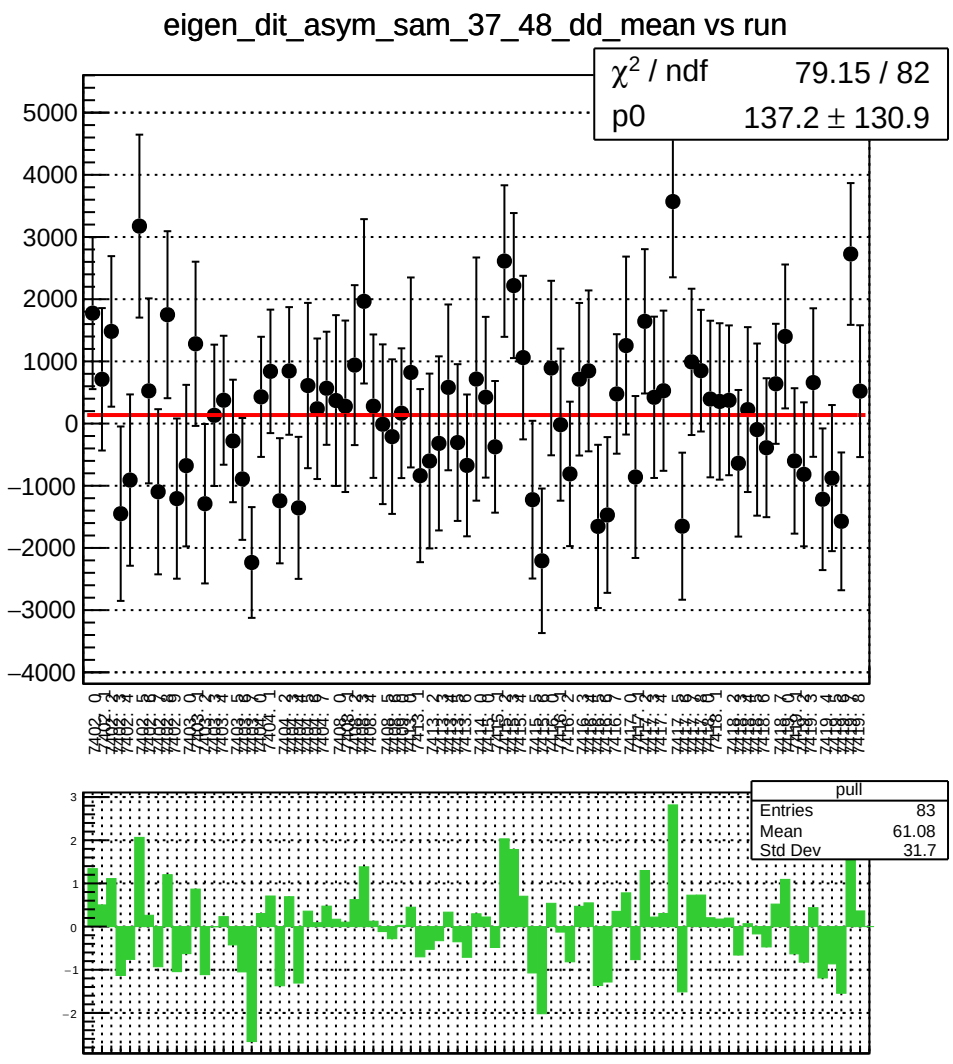

pull1D
Entries 83
Mean 0.01628
Std Dev 0.9764

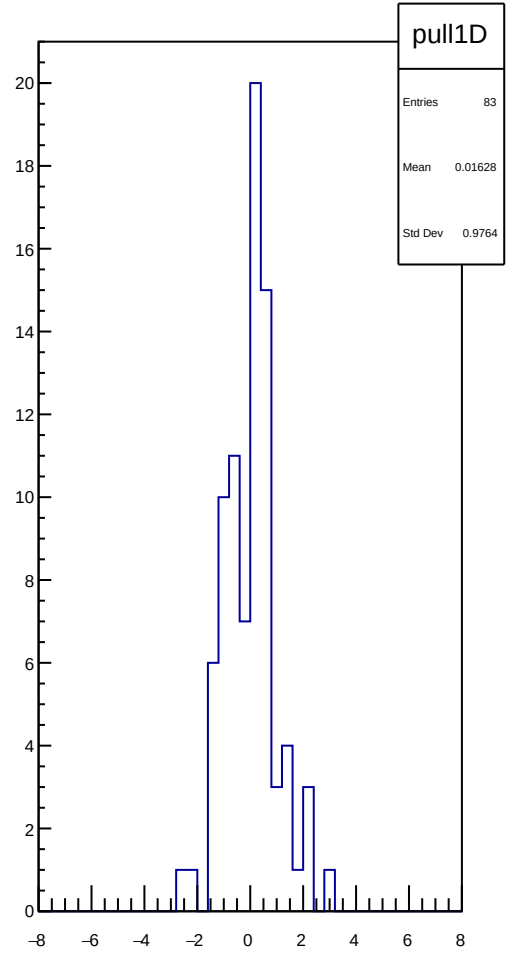

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.841e+04 / 82
p0 115.7 ± 0.09259
150
140
130
120
110
100
90

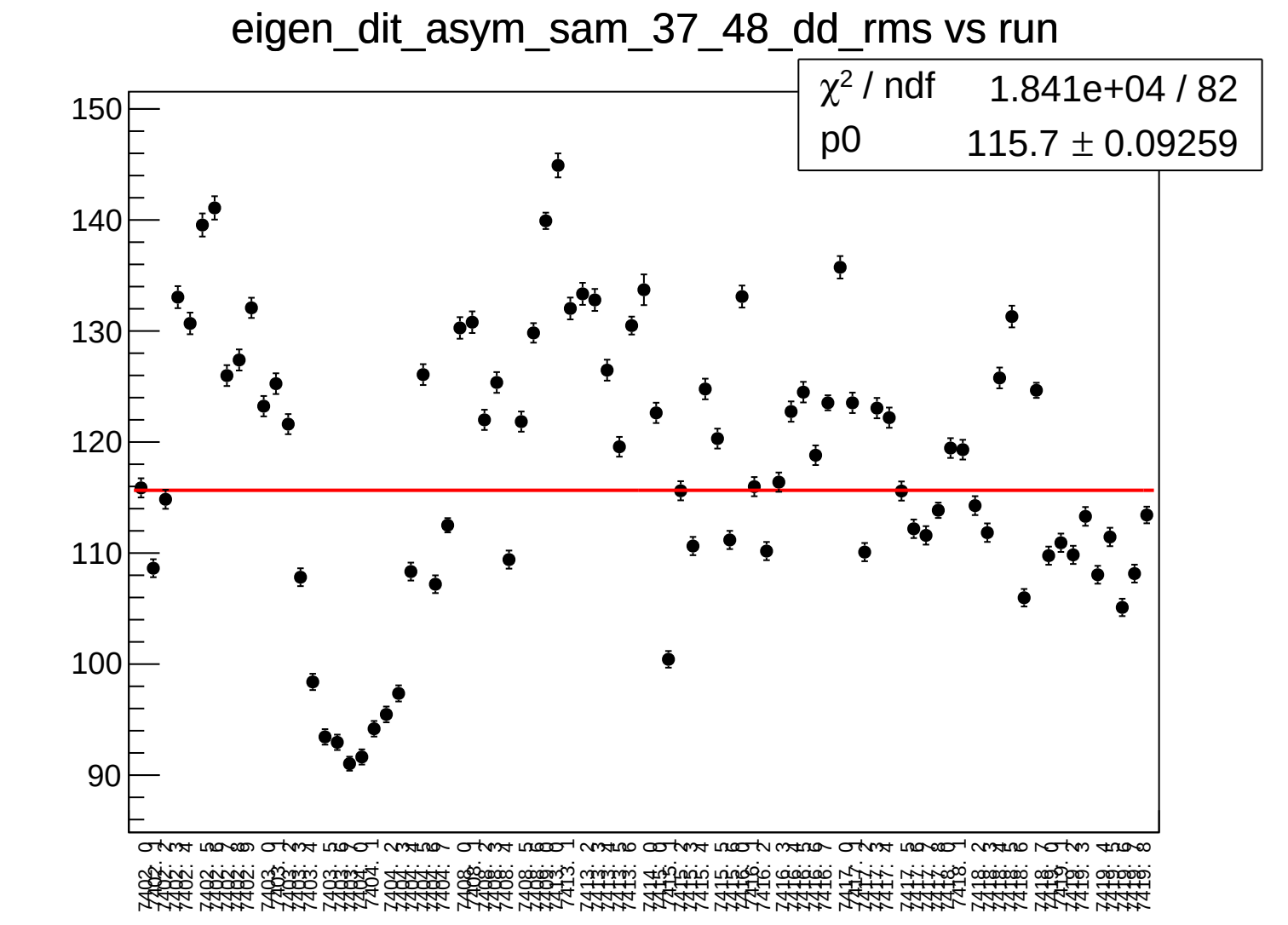

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 70.36 / 82
p0 49.63 ± 479.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 142.2
Std Dev 0
2
1
0
−1
−2

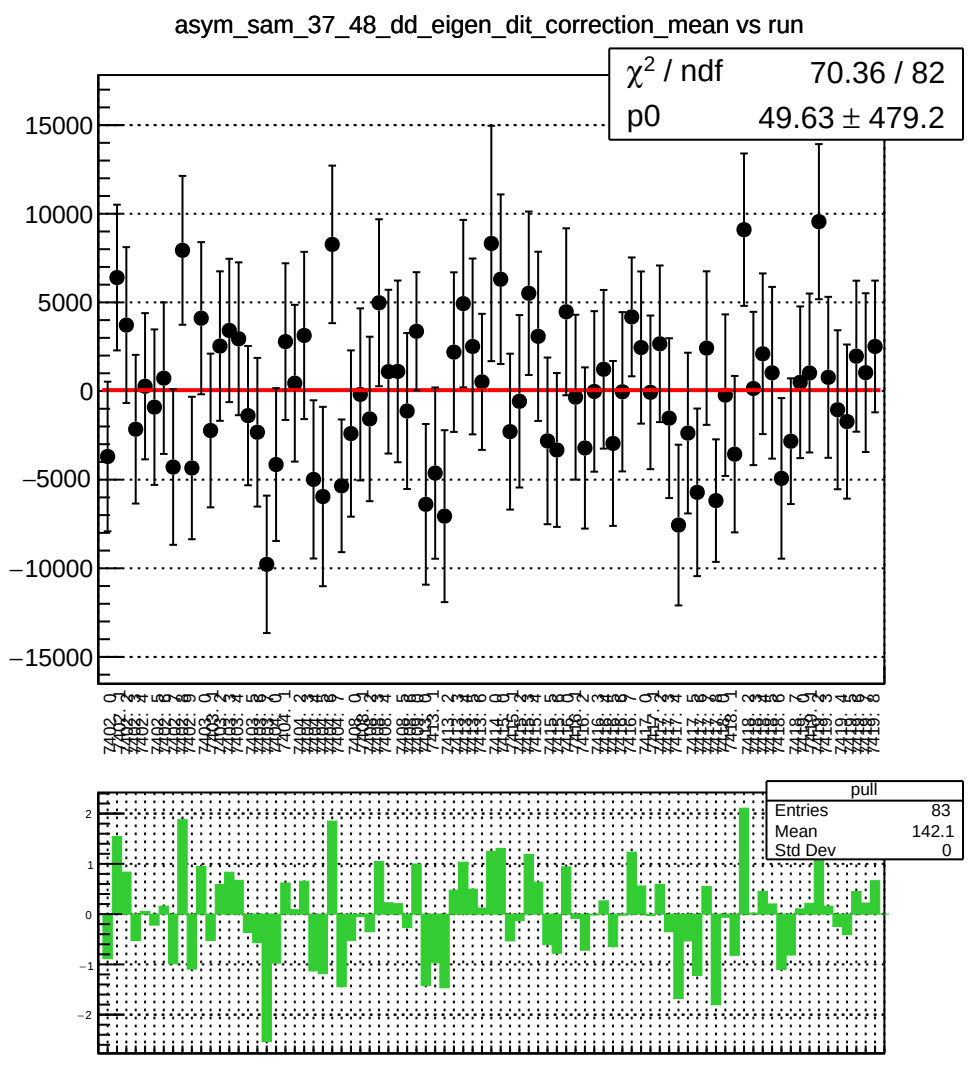

pull1D
Entries 83
Mean 0.006389
Std Dev 0.9207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

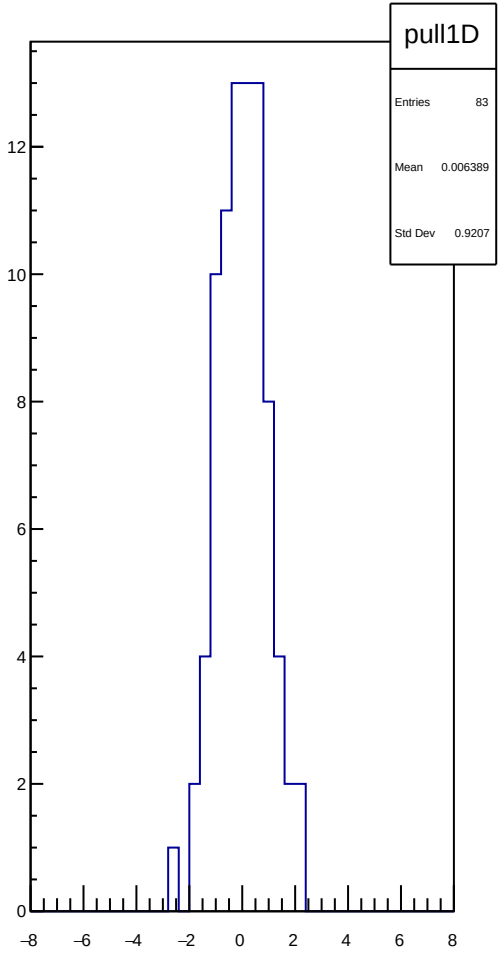

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 4449 / 82
p0 425.2 ± 0.3389
500
480
460
440
420
400
380
360

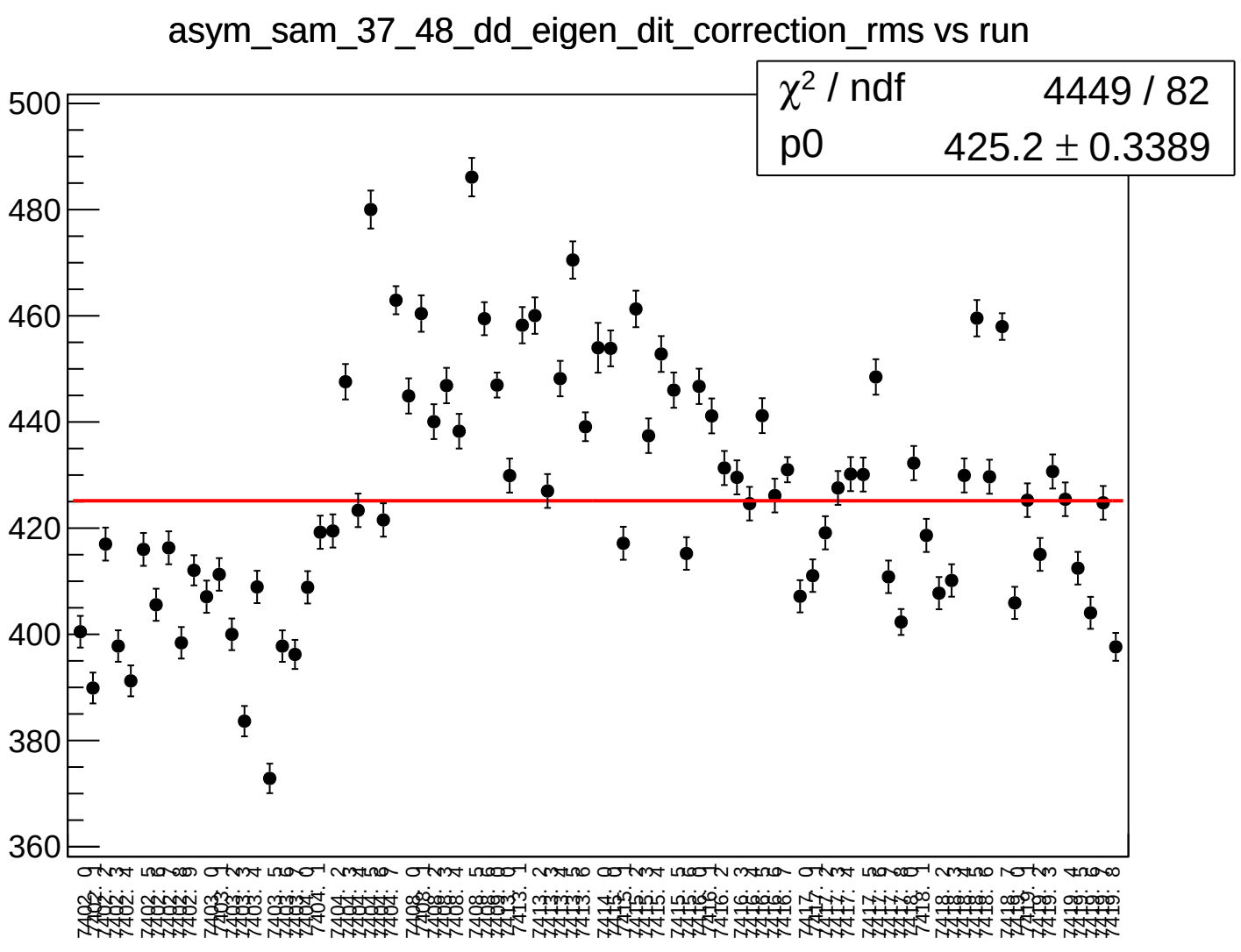

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 79.15 / 82
p0 137.2 ± 130.9
pull
Entries 83
Mean 61.08
Std Dev 31.7

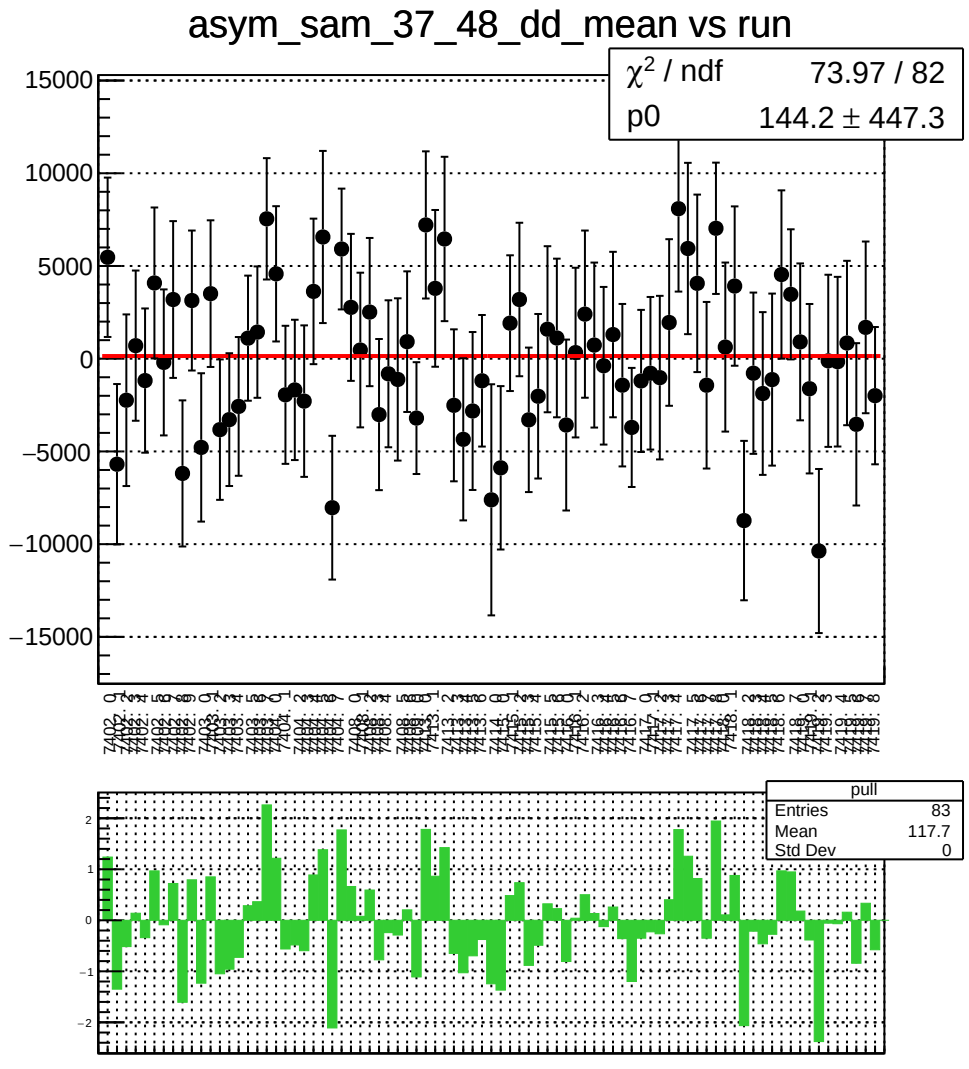

pull1D
Entries 83
Mean 0.01628
Std Dev 0.9764

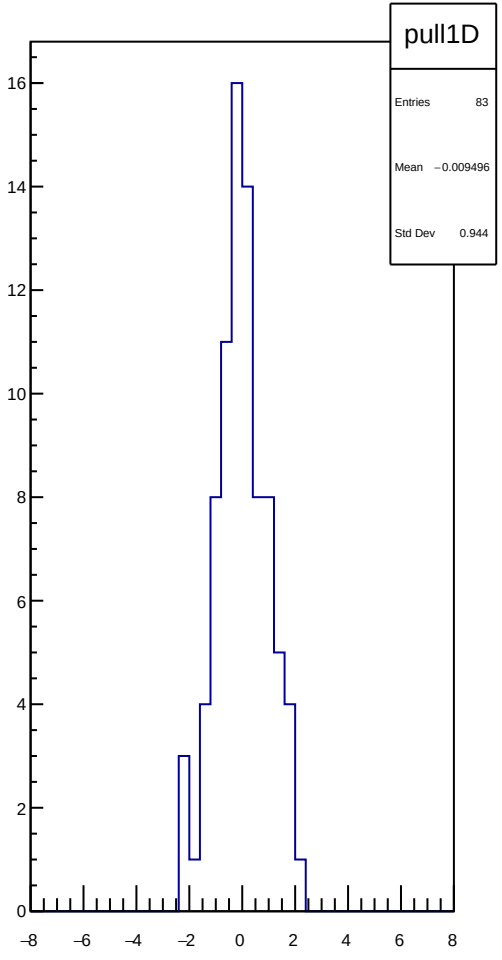

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.841e+04 / 82
p0 115.7 ± 0.09259
150
140
130
120
110
100
90

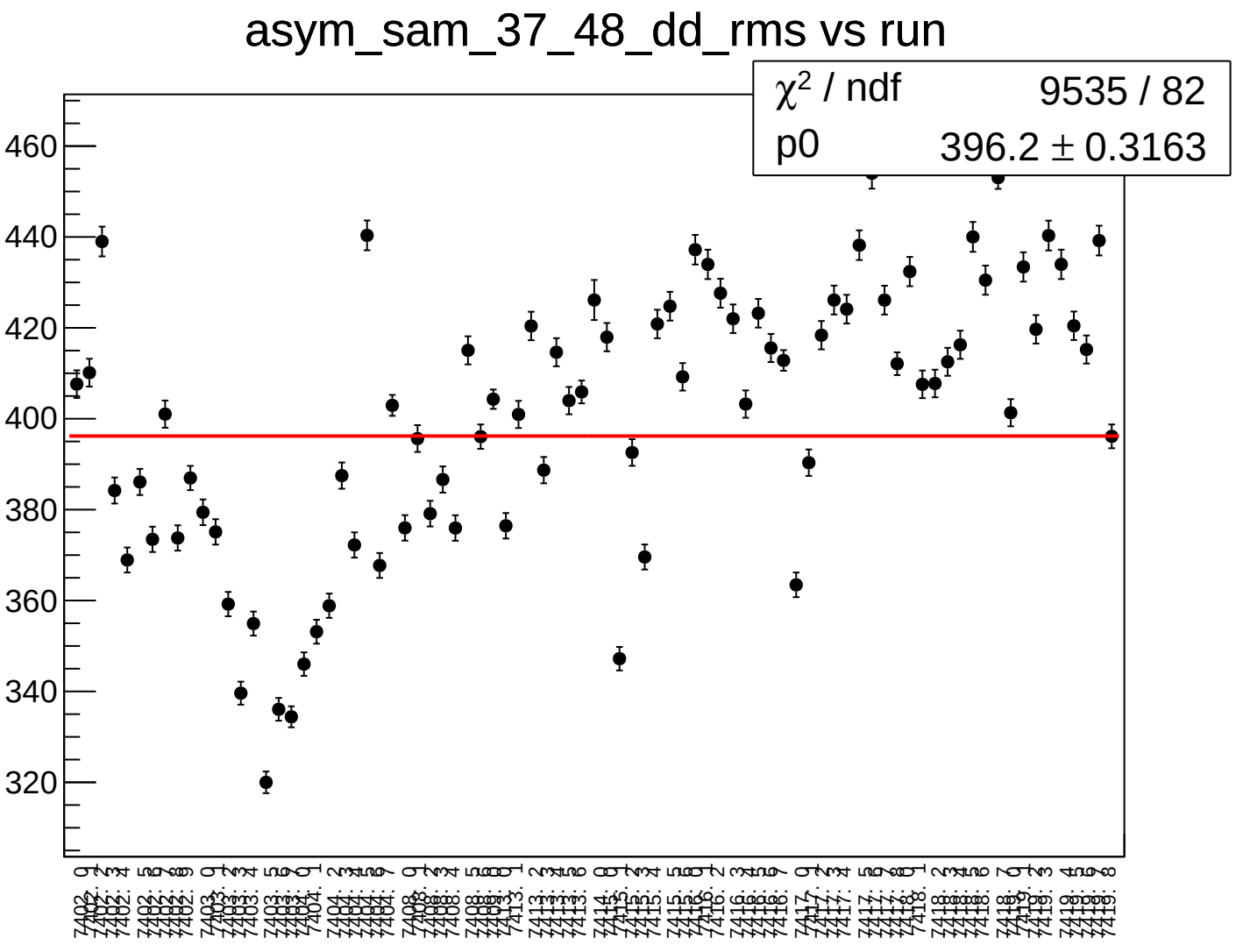

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 70.36 / 82
p0 49.63 ± 479.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 142.1
Std Dev 0
2
1
0
−1
−2

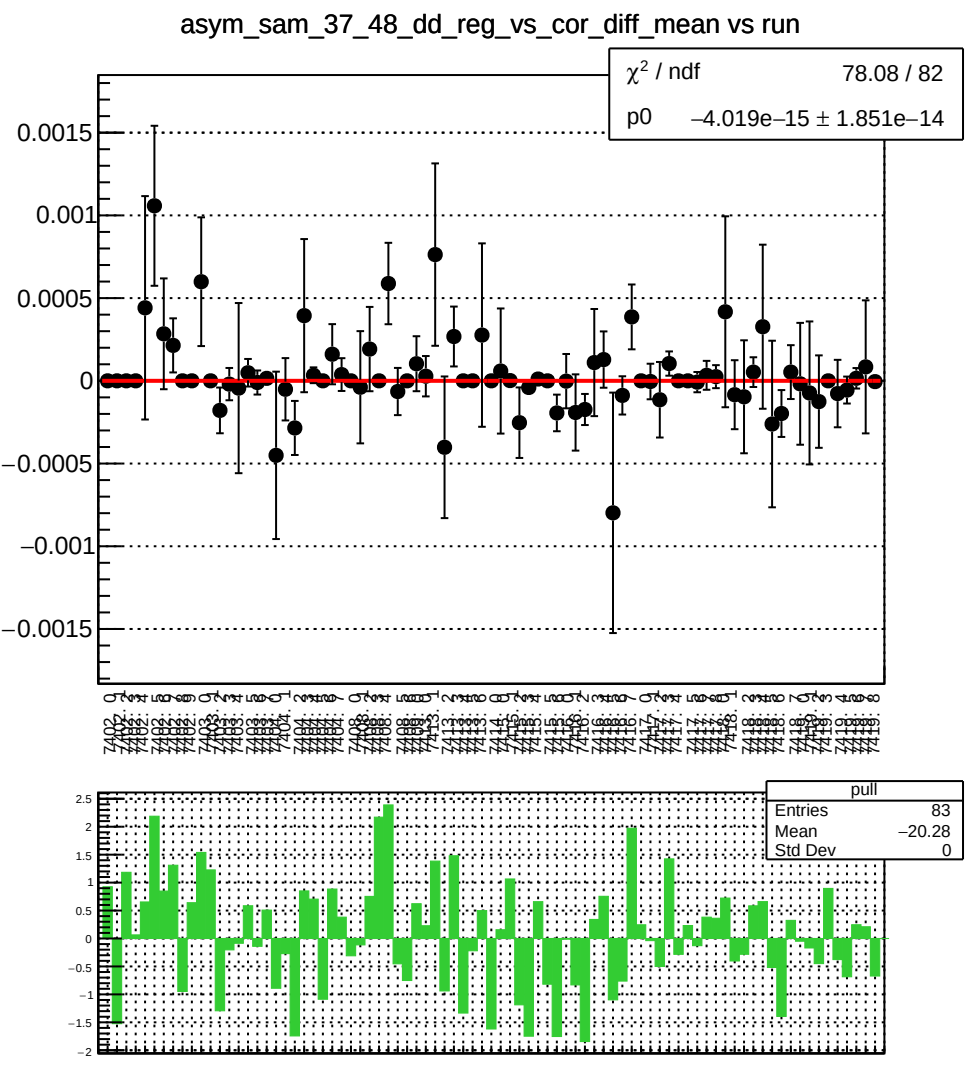

pull1D
Entries 83
Mean 0.006389
Std Dev 0.9207
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

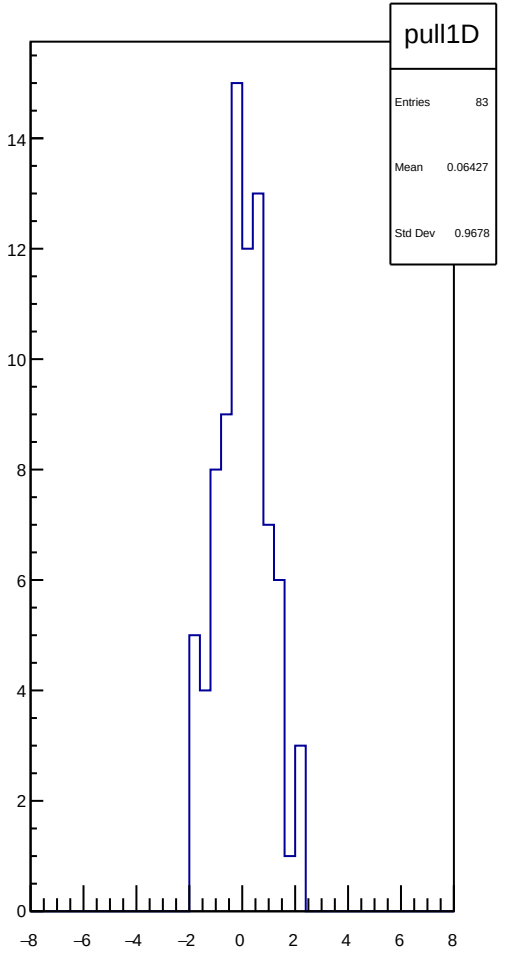

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4449 / 82
p0 425.2 ± 0.3389
500
480
460
440
420
400
380
360

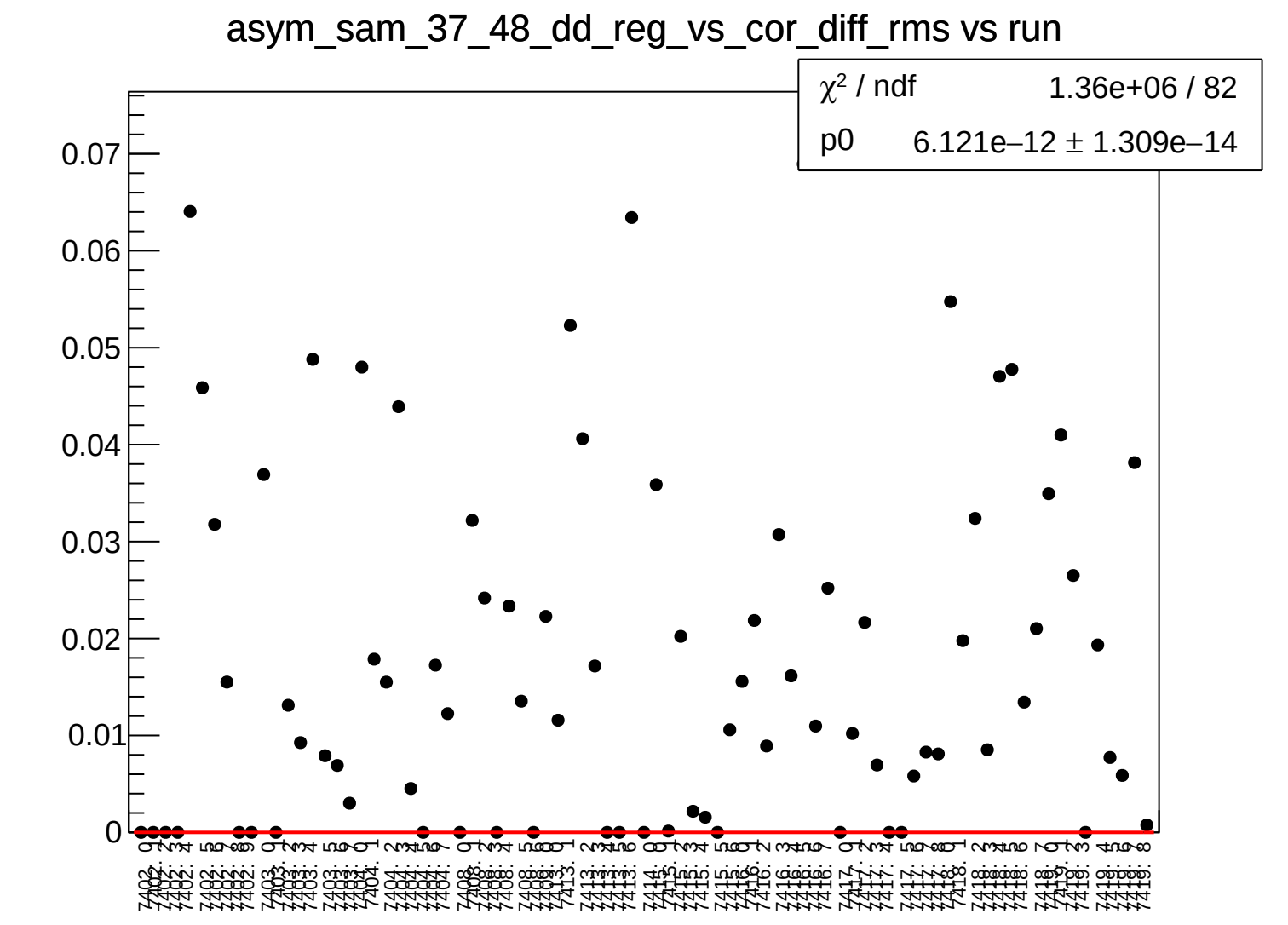

asym_sam_37_48_dd_mean vs run
χ² / ndf 73.97 / 82
p0 144.2 ± 447.3
pull
Entries 83
Mean 117.7
Std Dev 0

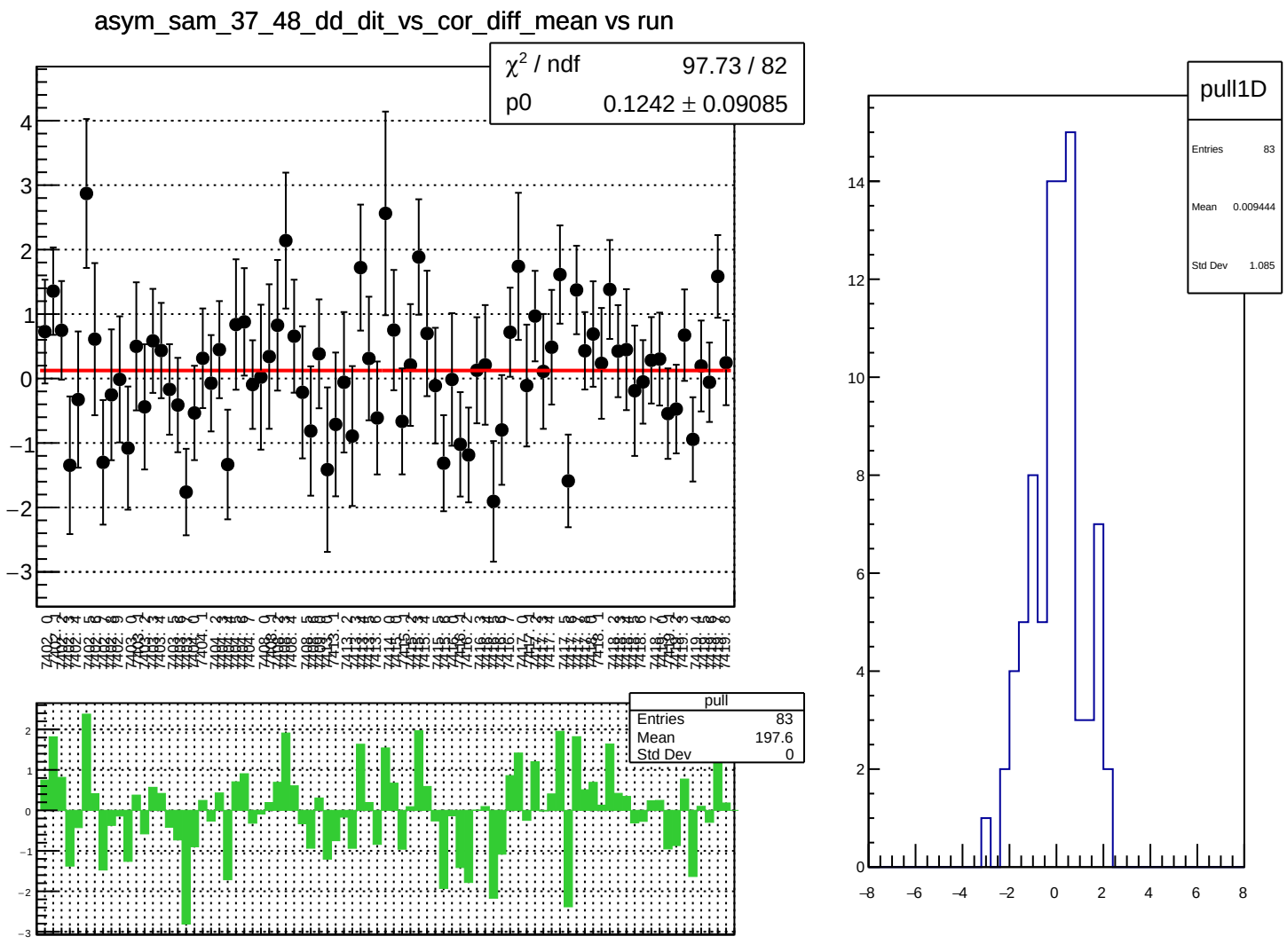

pull1D
Entries 83
Mean −0.009496
Std Dev 0.944

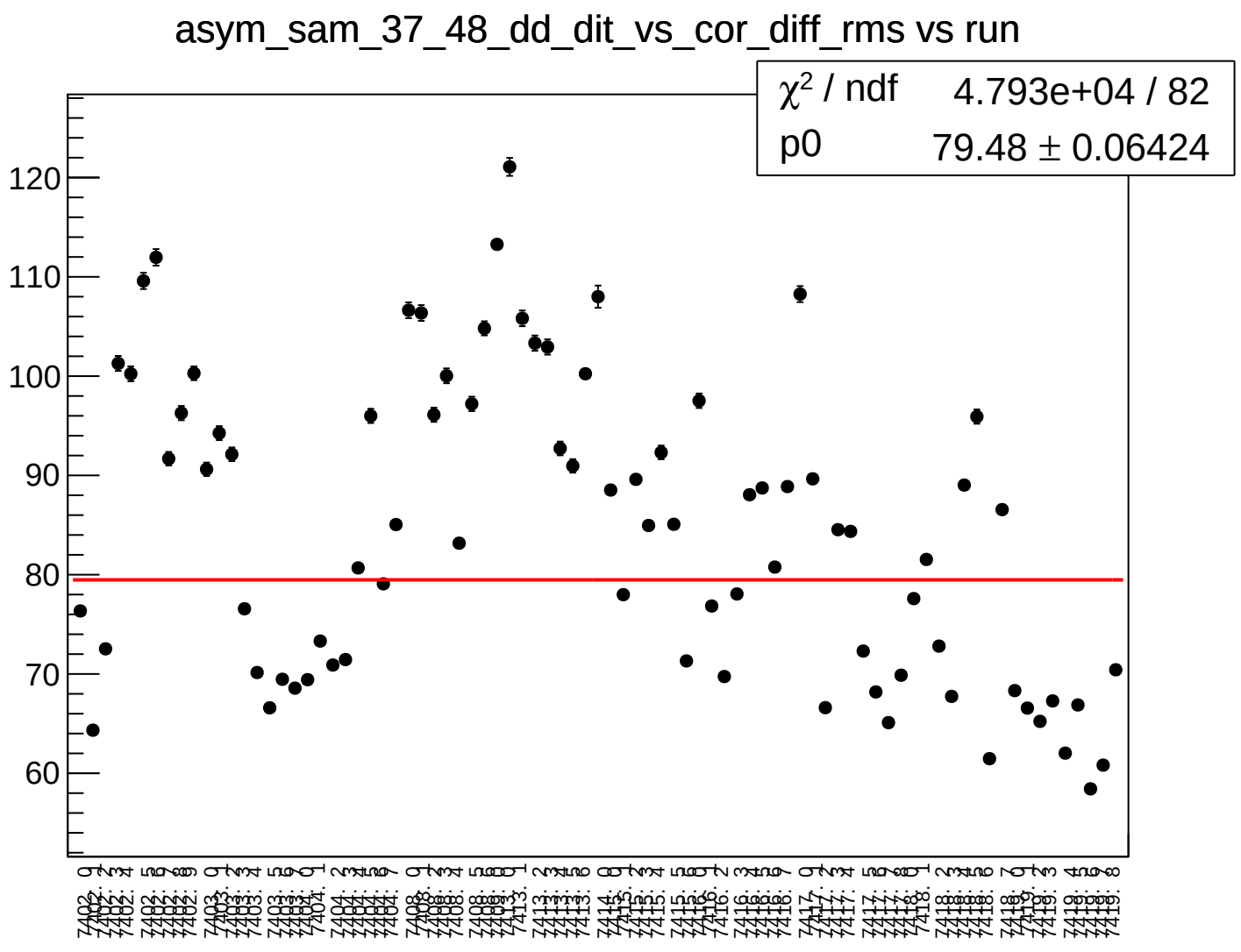

asym_sam_37_48_dd_rms vs run
χ² / ndf 9535 / 82
p0 396.2 ± 0.3163
460
440
420
400
380
360
340
320


asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.08 / 82
p0 −4.019e−15 ± 1.851e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 83
Mean −20.28
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

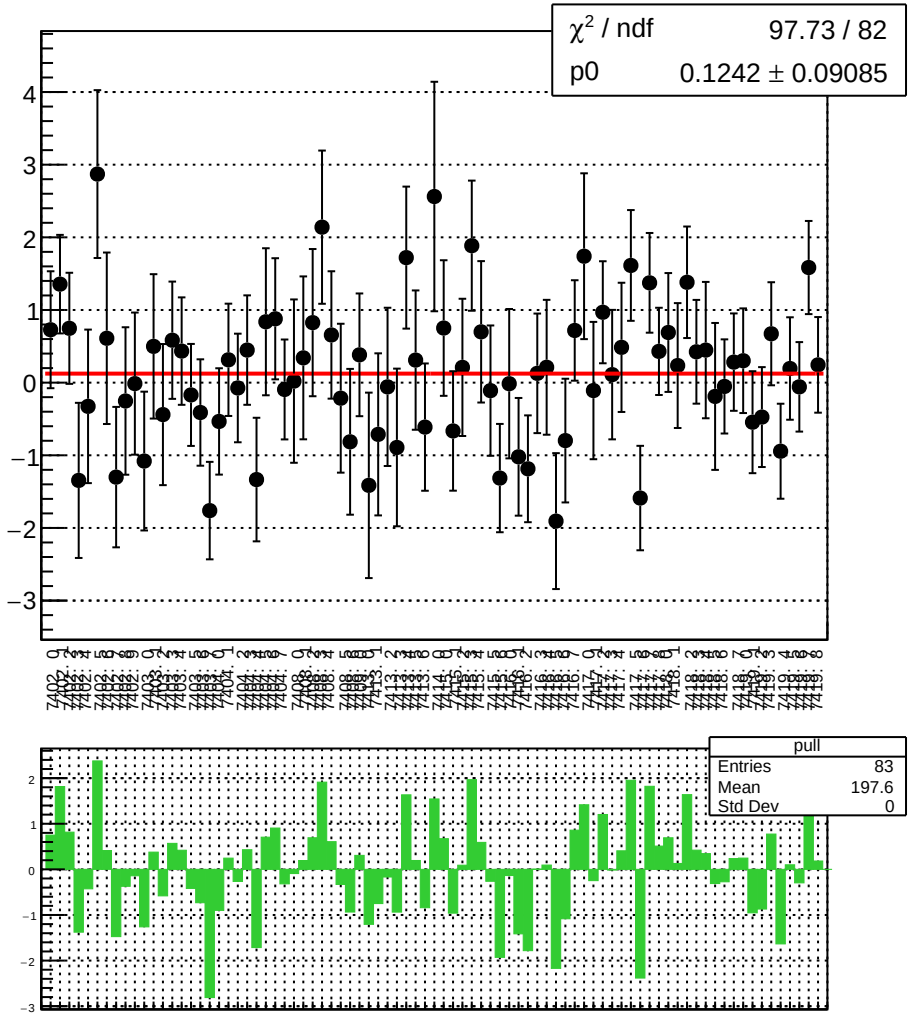

pull1D
Entries 83
Mean 0.06427
Std Dev 0.9678
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

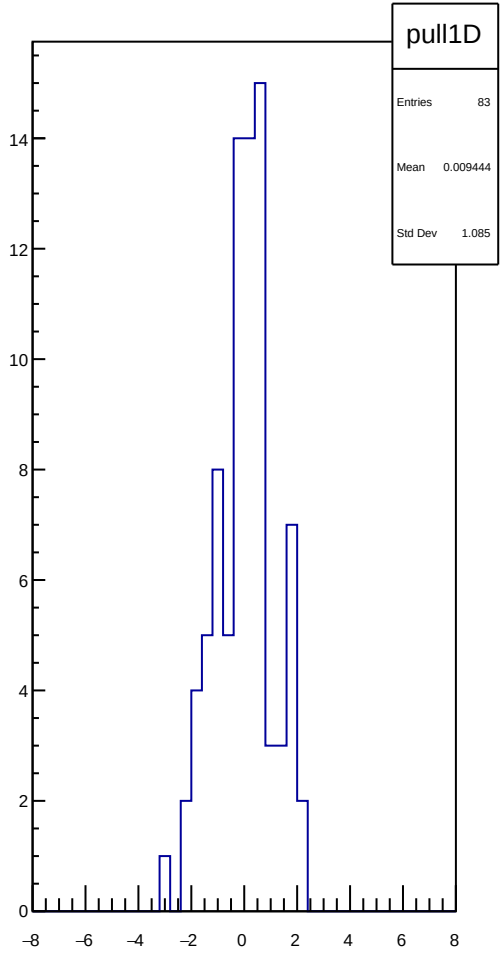

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.36e+06 / 82
p0 6.121e−12 ± 1.309e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

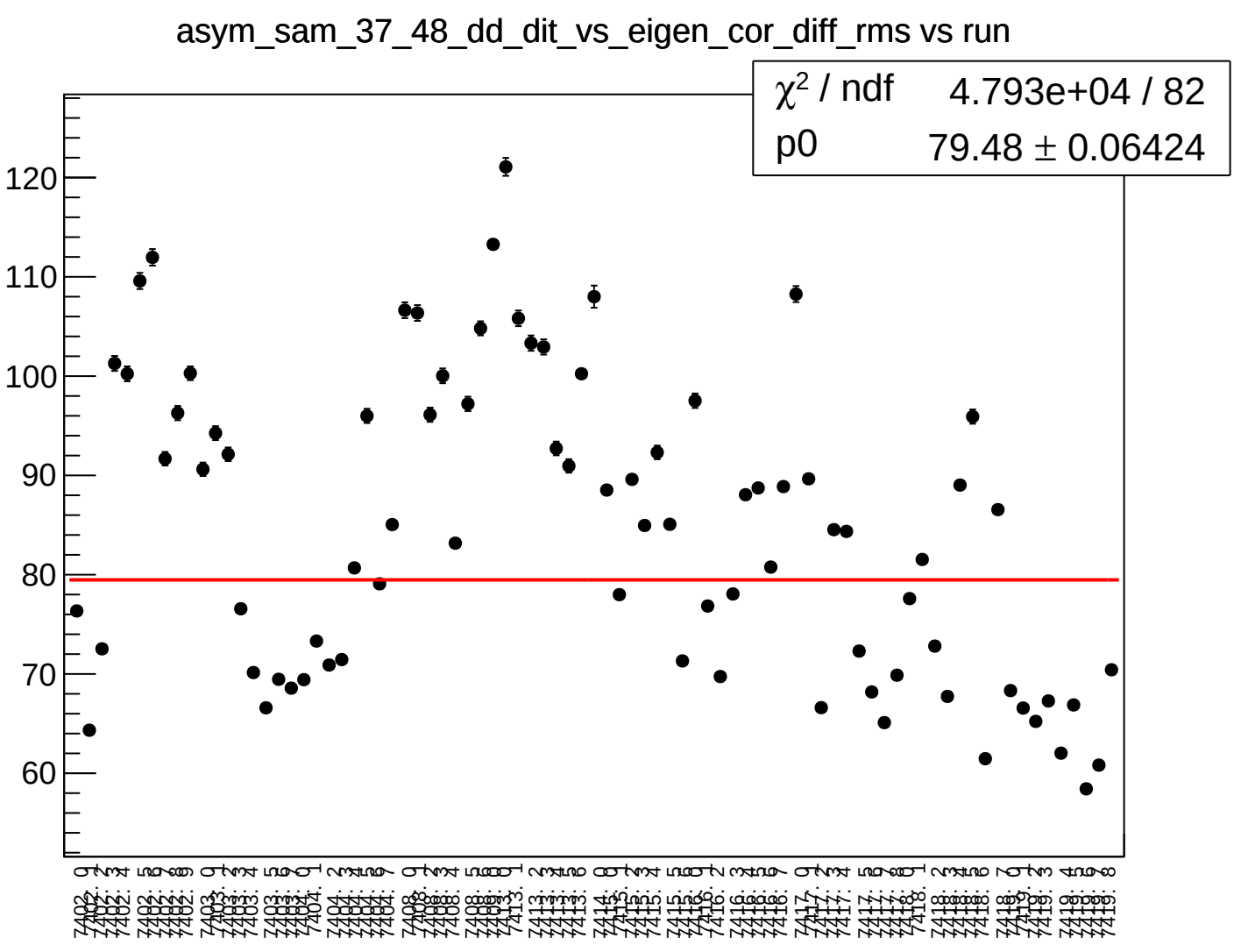

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 97.73 / 82
p0 0.1242 ± 0.09085
pull
Entries 83
Mean 197.6
Std Dev 0
pull1D
Entries 83
Mean 0.009444
Std Dev 1.085

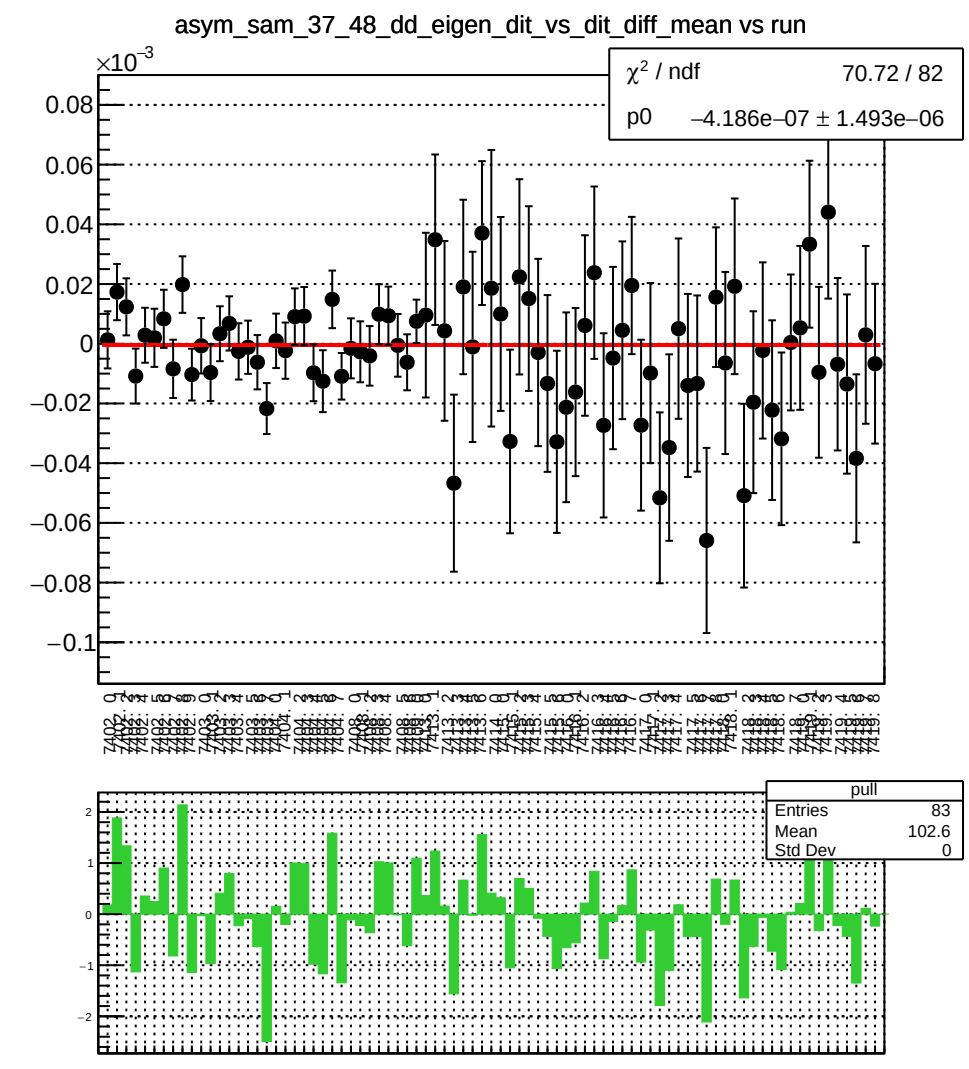

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.793e+04 / 82
p0 79.48 ± 0.06424
120
110
100
90
80
70
60

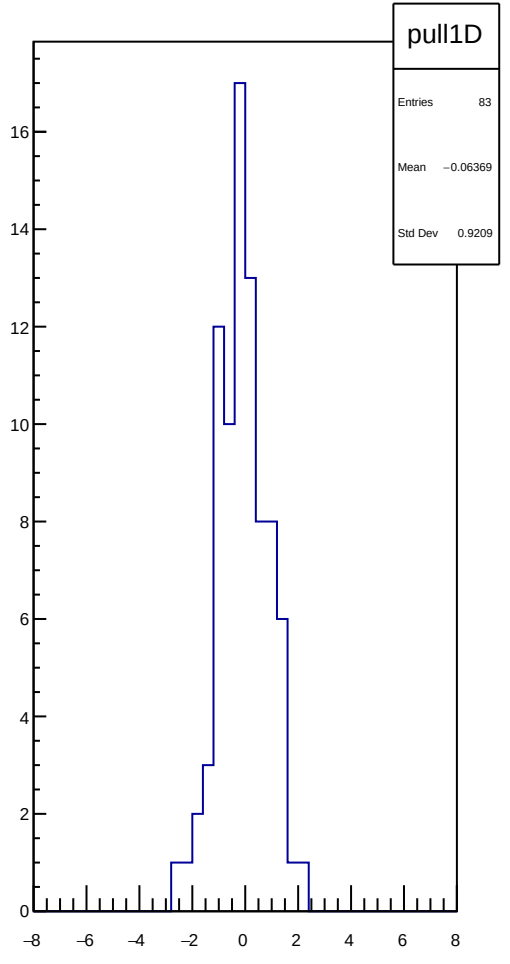
asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run

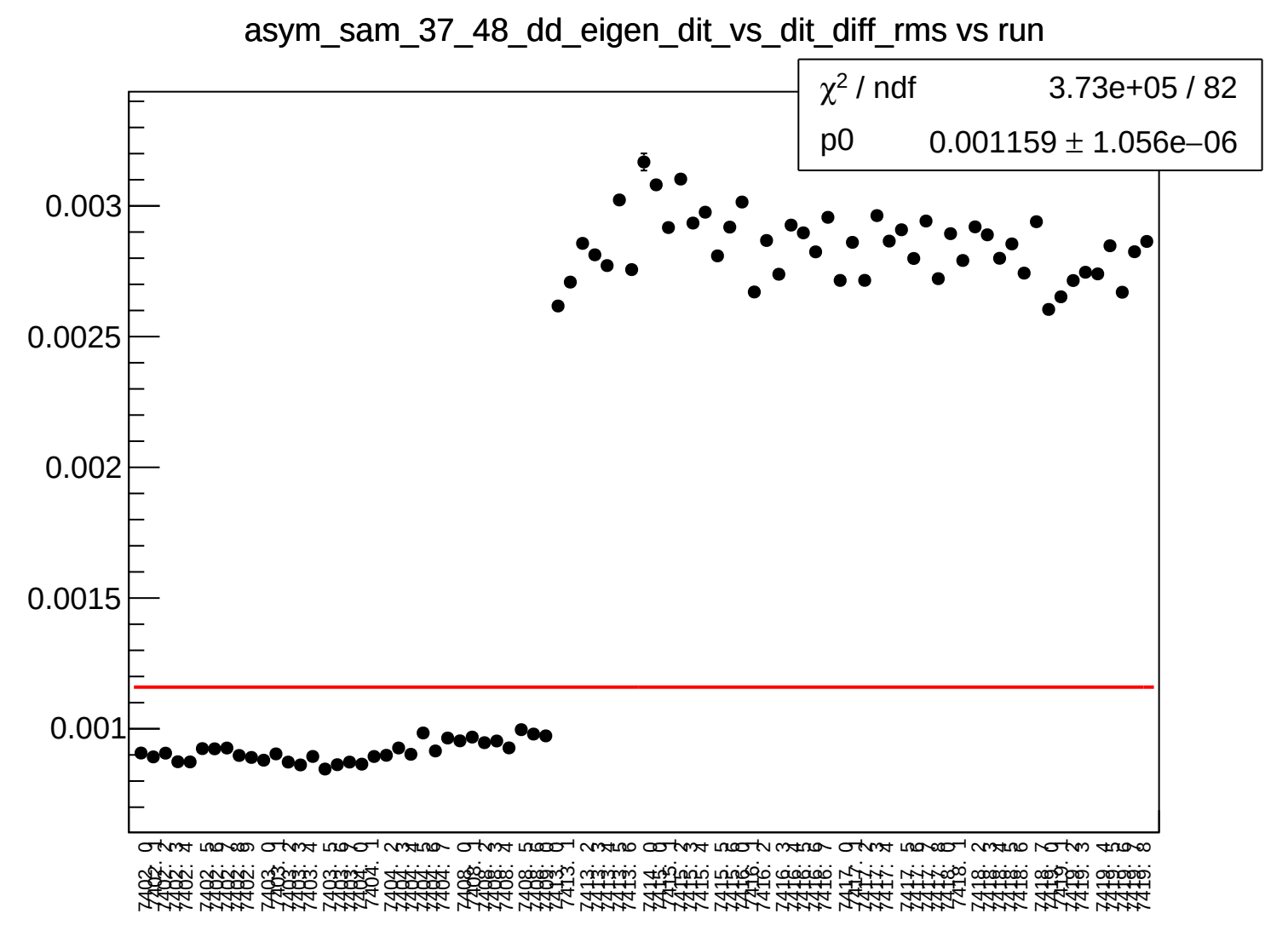




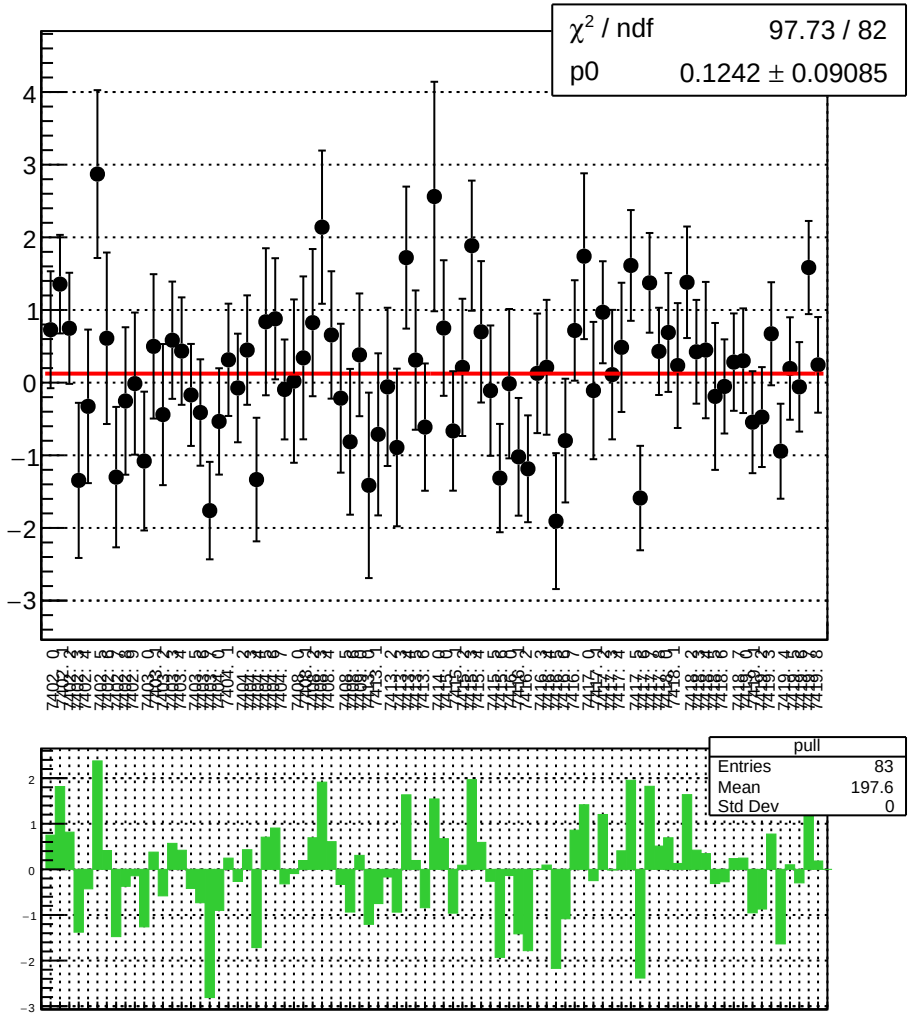

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.793e+04 / 82
p0 79.48 ± 0.06424
120
110
100
90
80
70
60

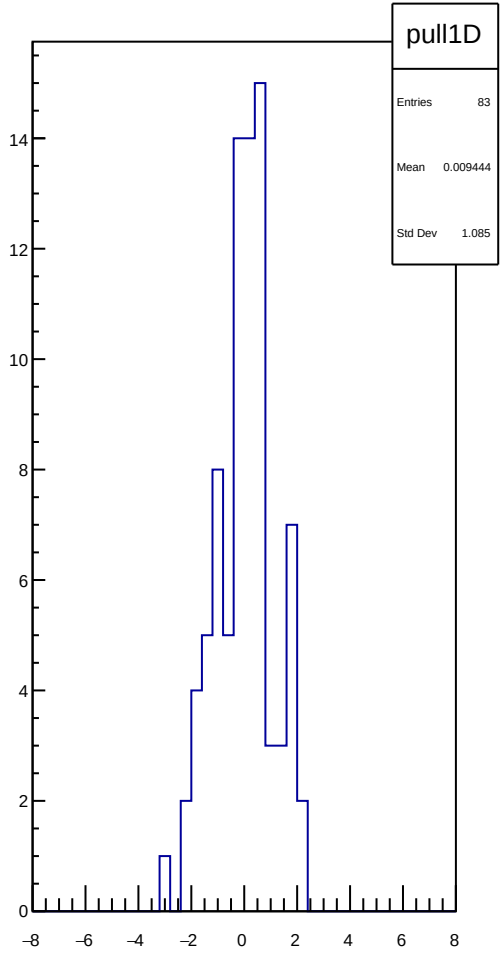

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 70.72 / 82
p0 −4.186e−07 ± 1.493e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 83
Mean 102.6
Std Dev 0
2
1
0
−1
−2

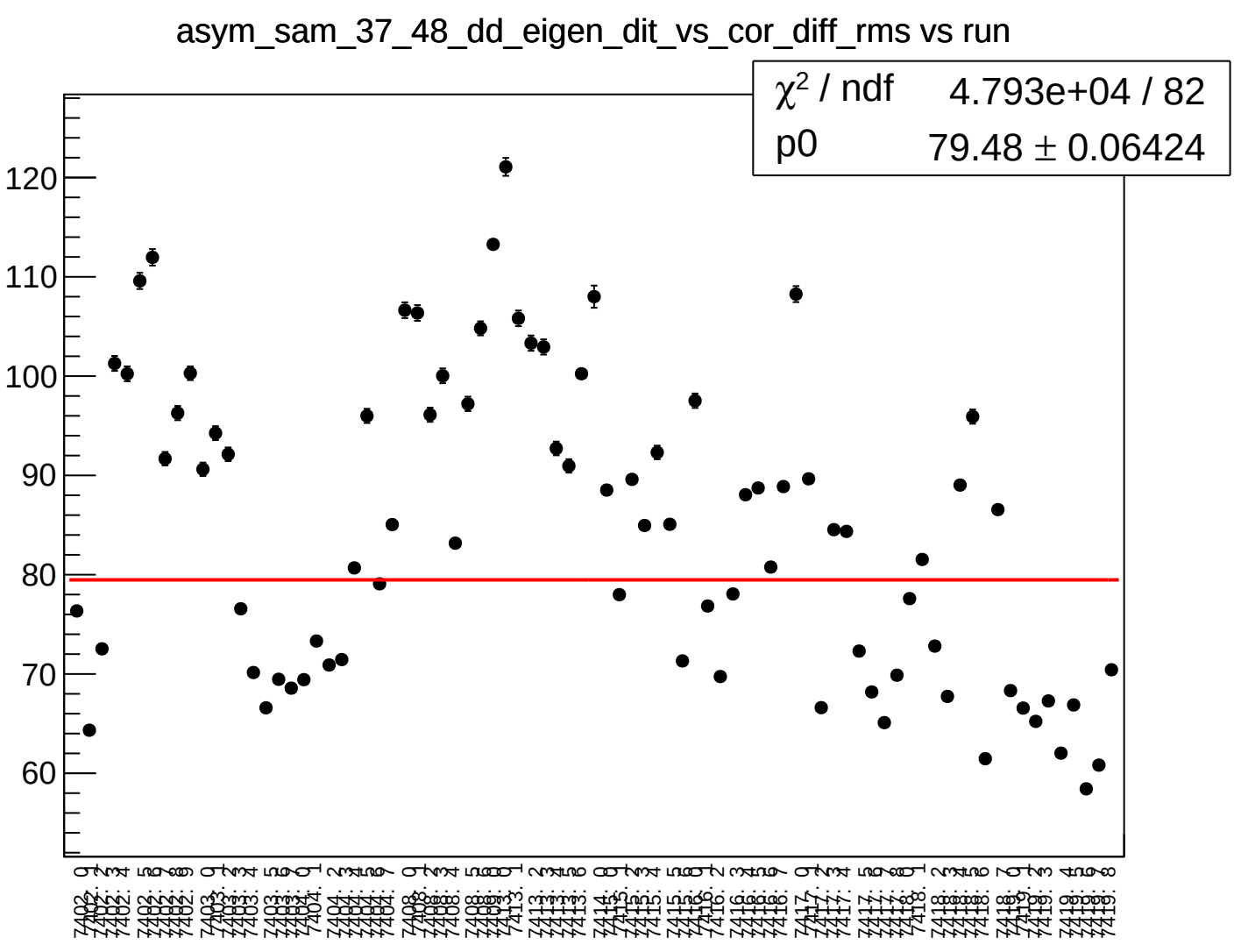

pull1D
Entries 83
Mean −0.06369
Std Dev 0.9209
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3.73e+05 / 82
p0 0.001159 ± 1.056e−06
0.003
0.0025
0.002
0.0015
0.001

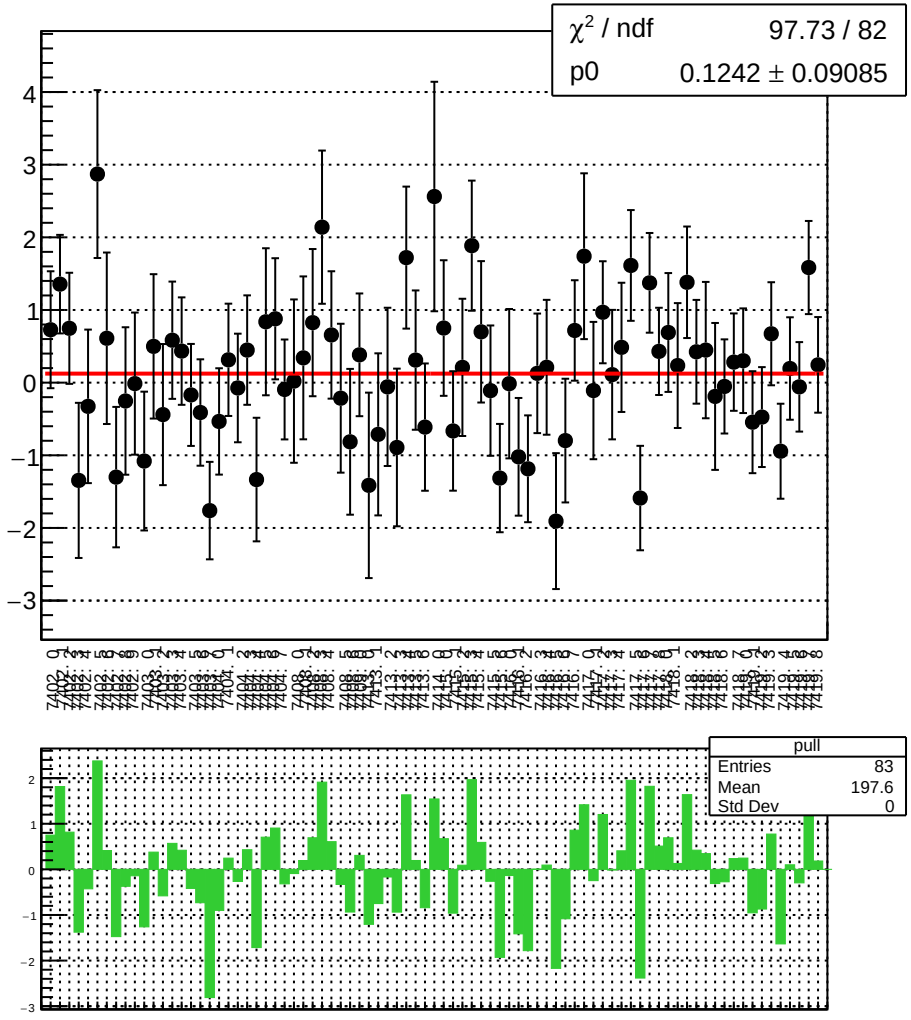
asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run

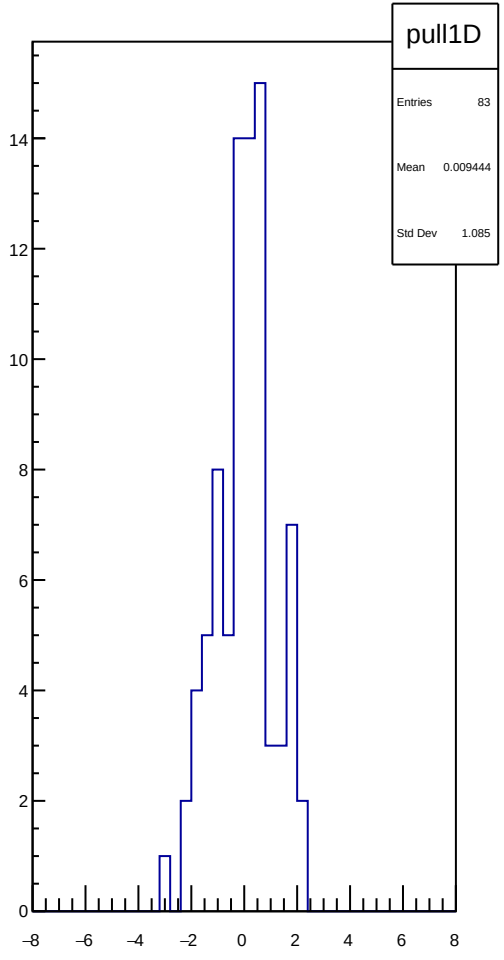


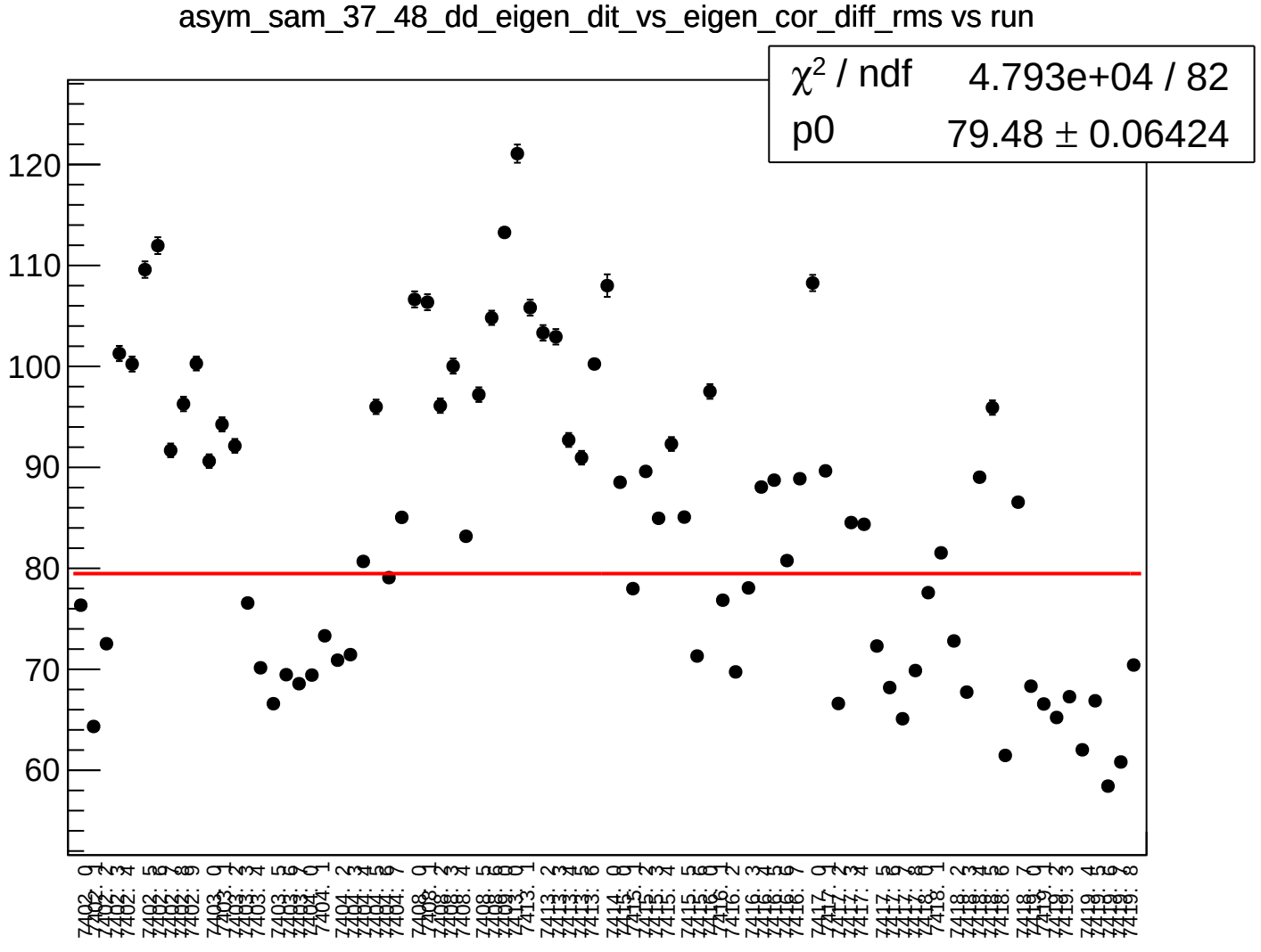


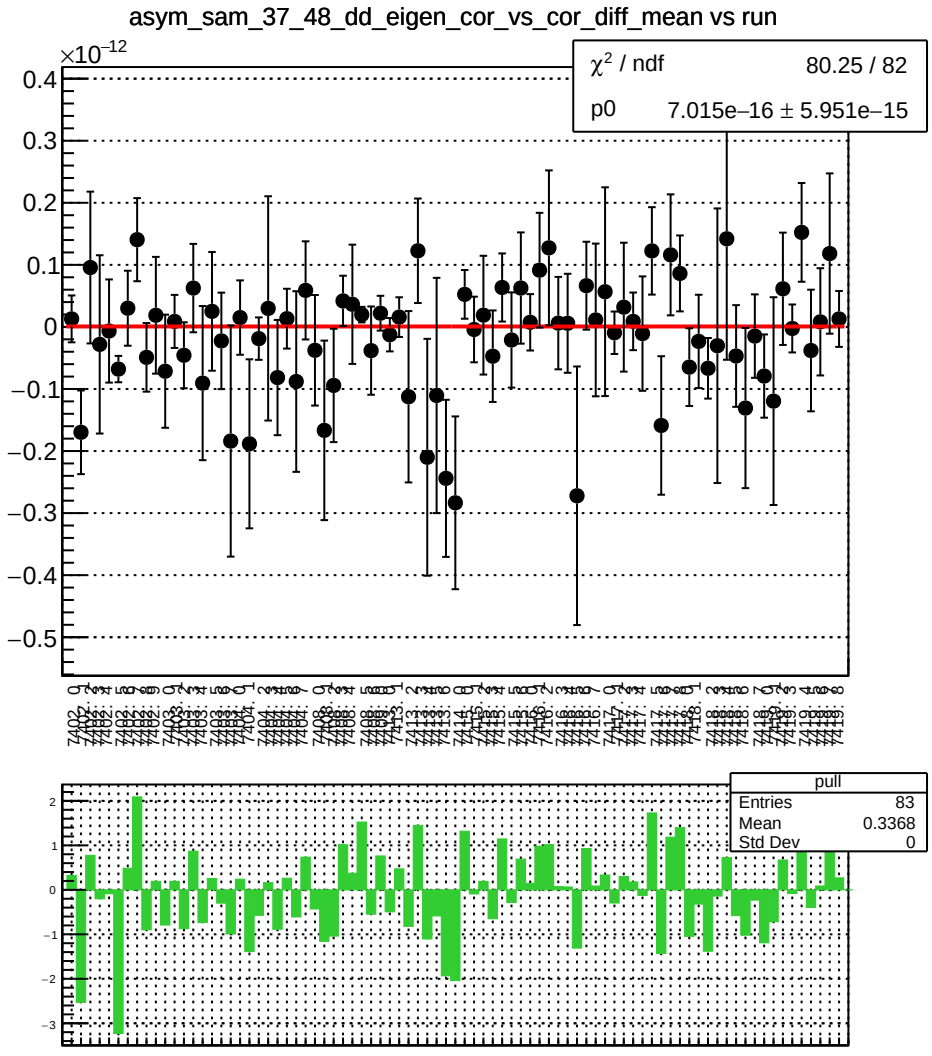

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.793e+04 / 82
p0 79.48 ± 0.06424
120
110
100
90
80
70
60

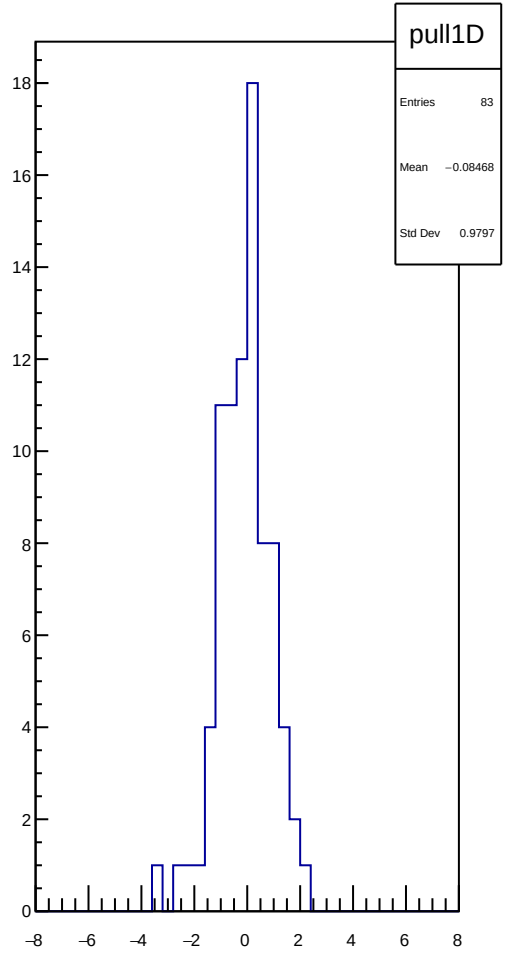
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

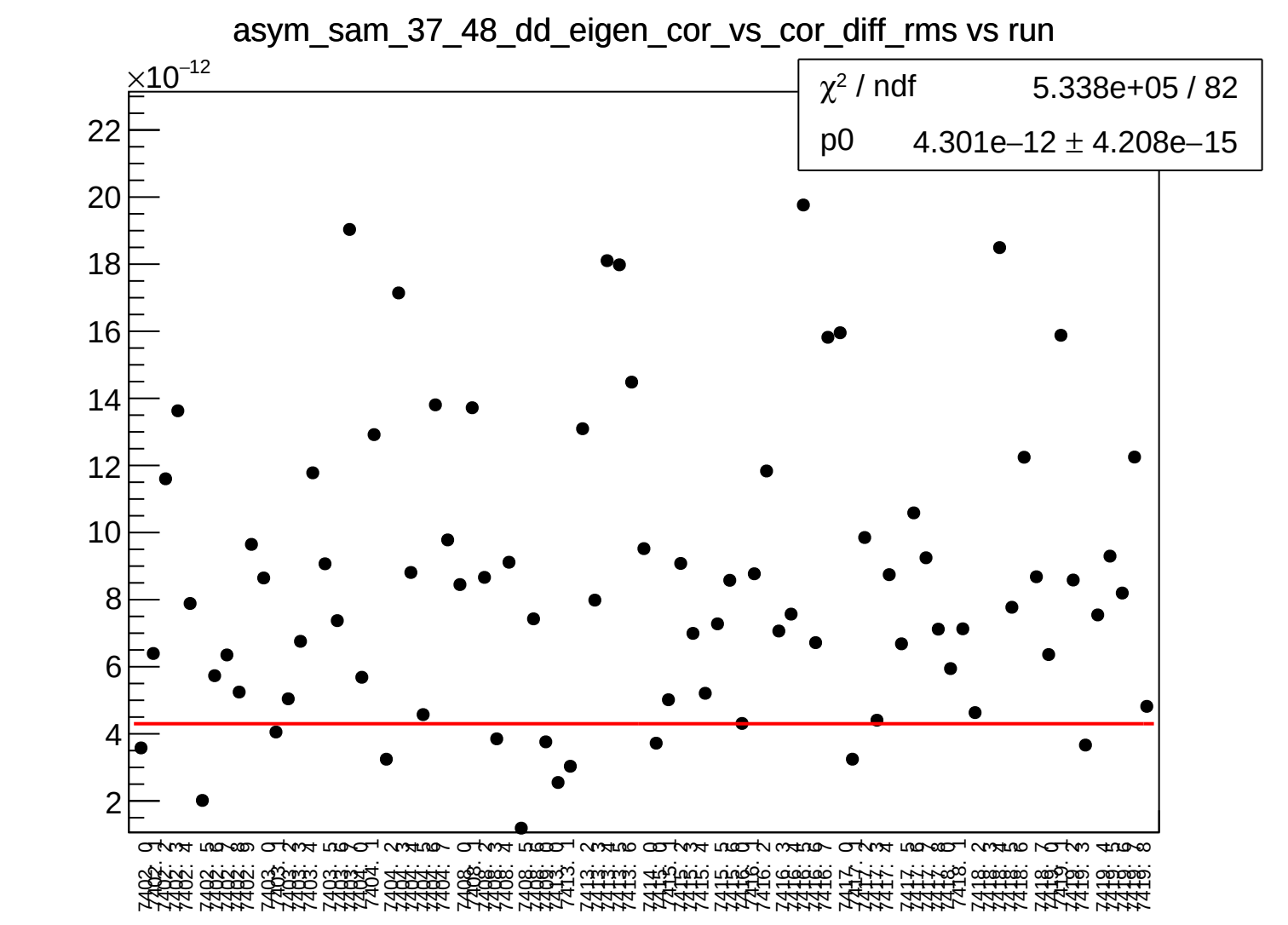


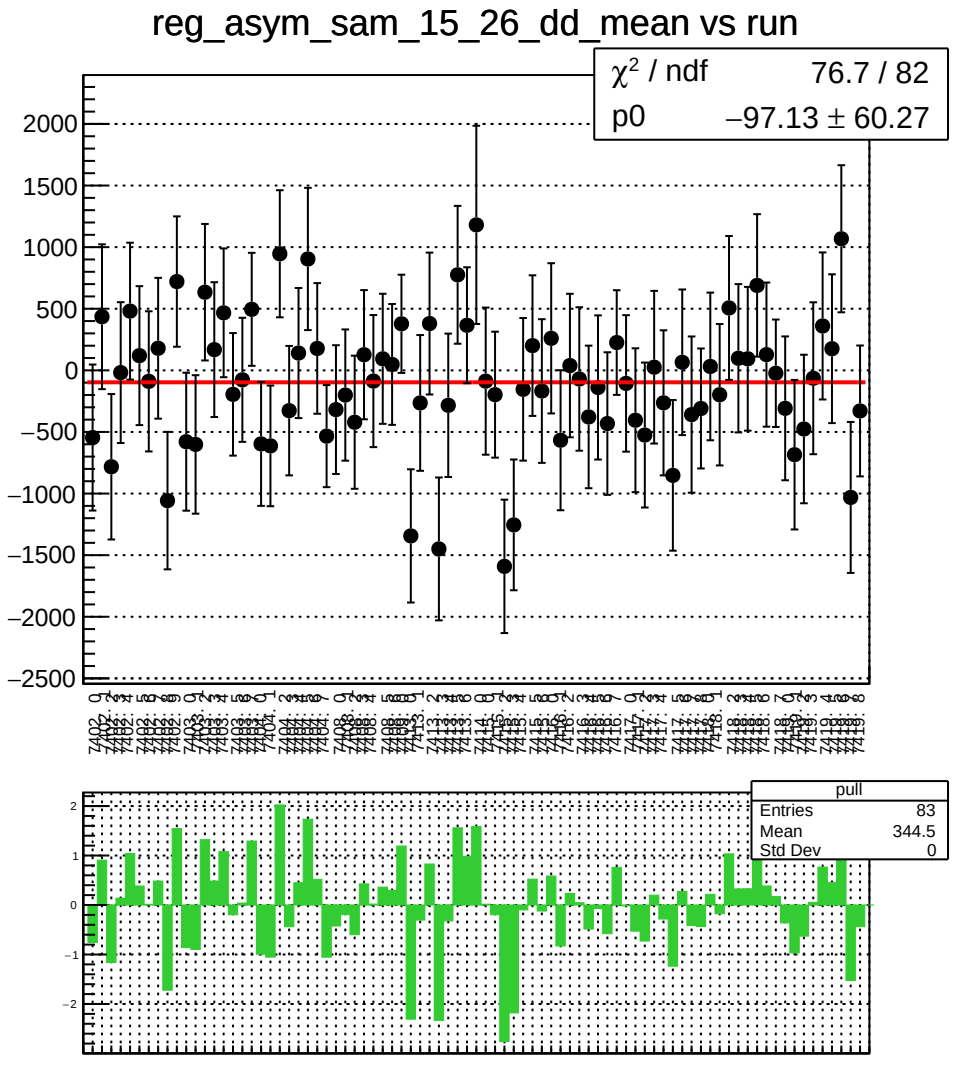


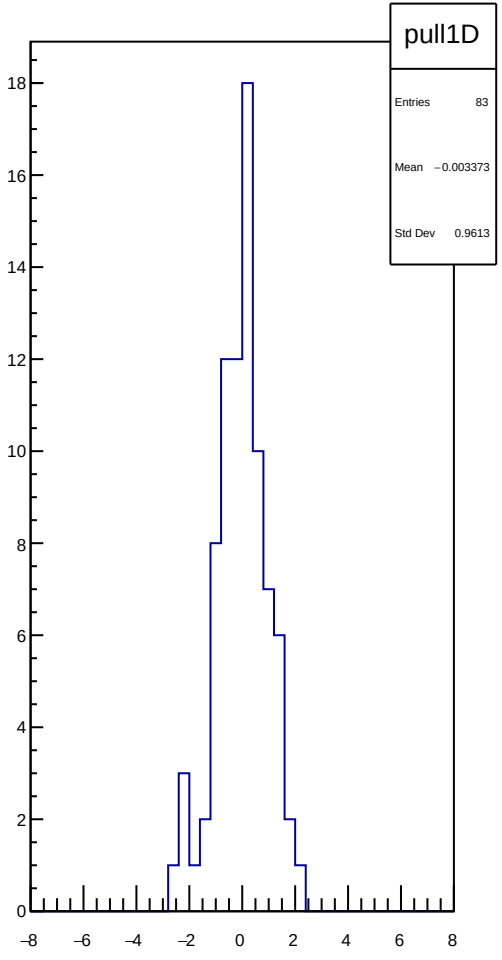

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.793e+04 / 82
p0 79.48 ± 0.06424
120
110
100
90
80
70
60

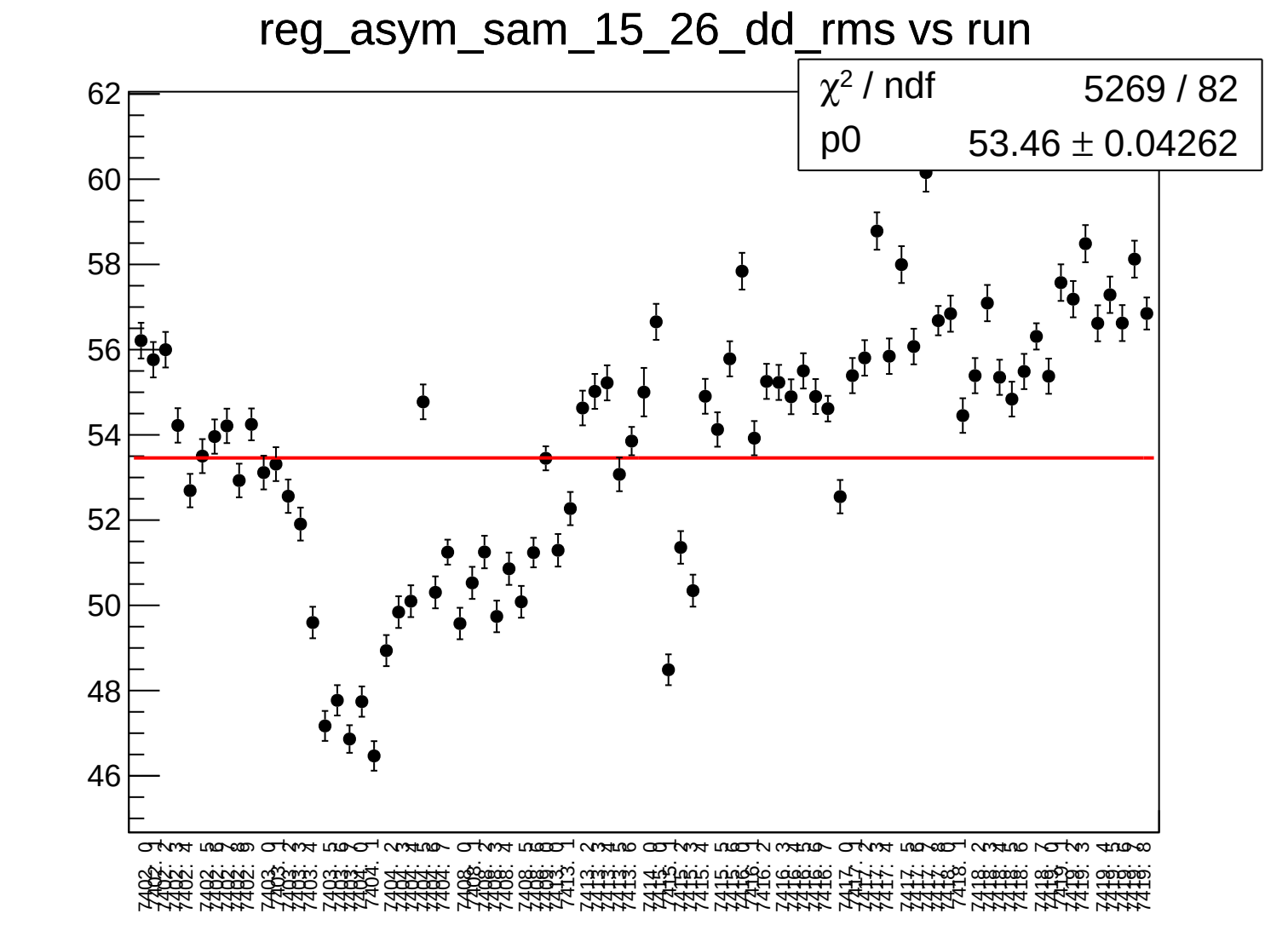

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.25 / 82
p0 7.015e−16 ± 5.951e−15
pull
Entries 83
Mean 0.3368
Std Dev 0

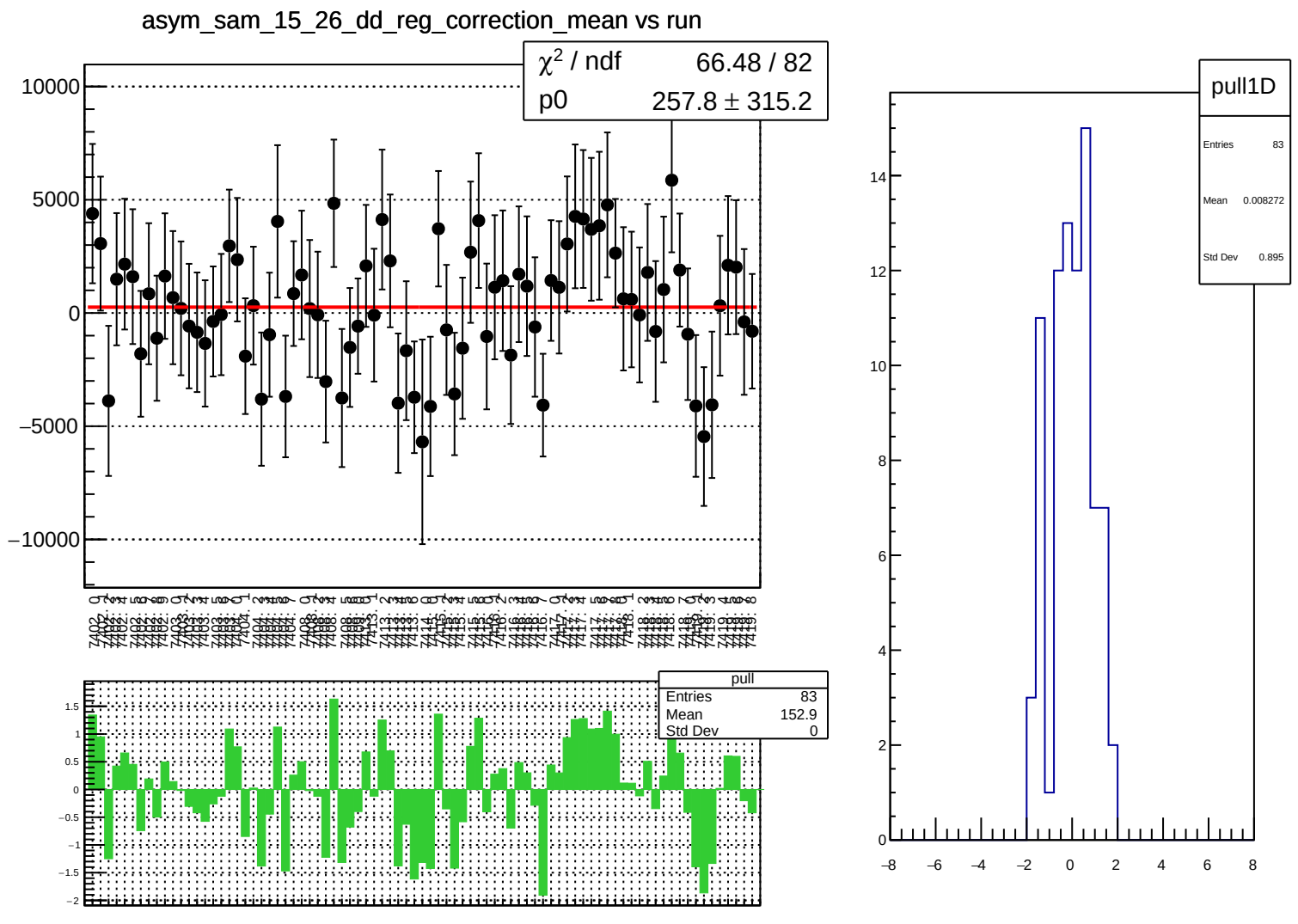

pull1D
Entries 83
Mean −0.08468
Std Dev 0.9797

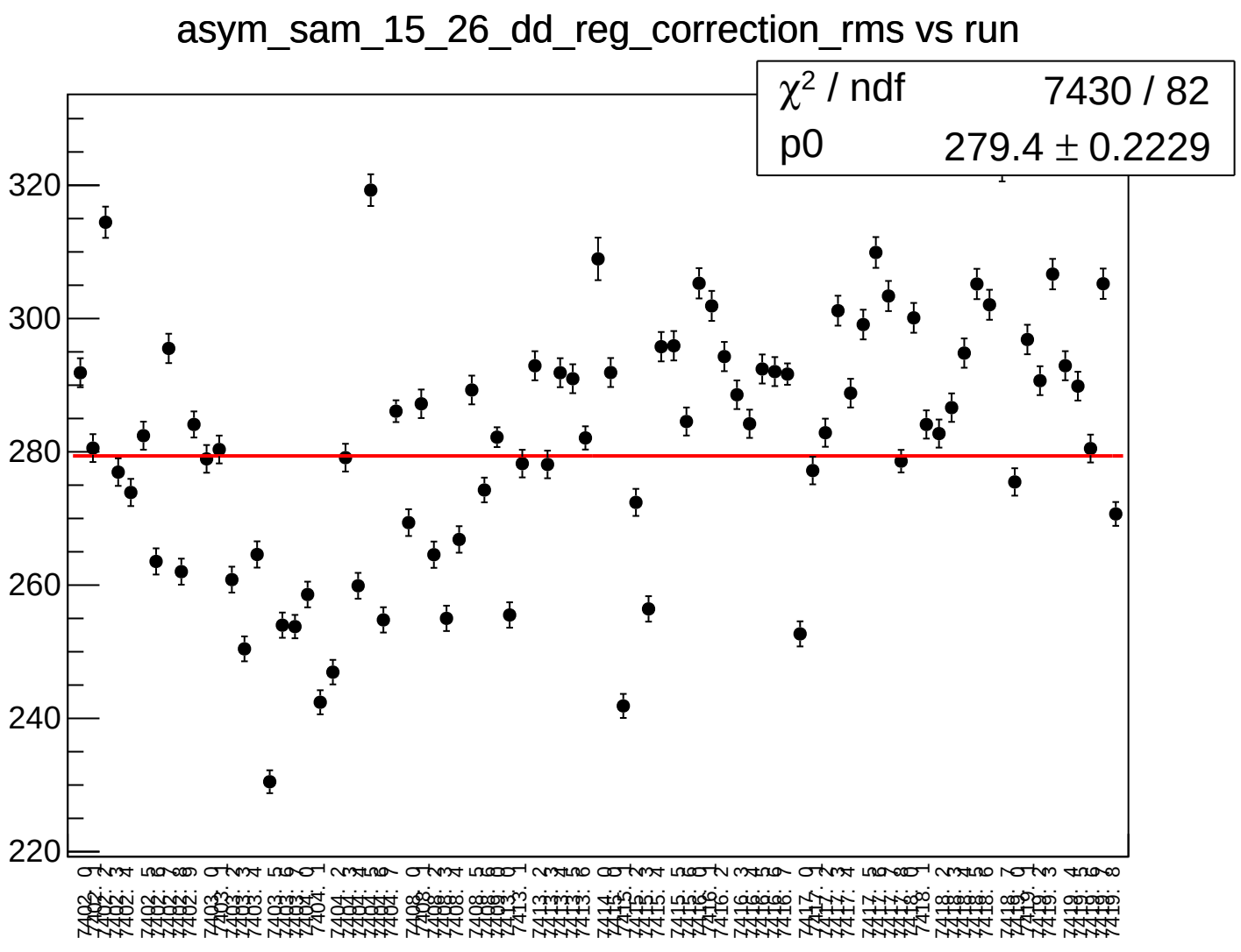

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.338e+05 / 82
p0 4.301e−12 ± 4.208e−15
22
20
18
16
14
12
10
8
6
4
2

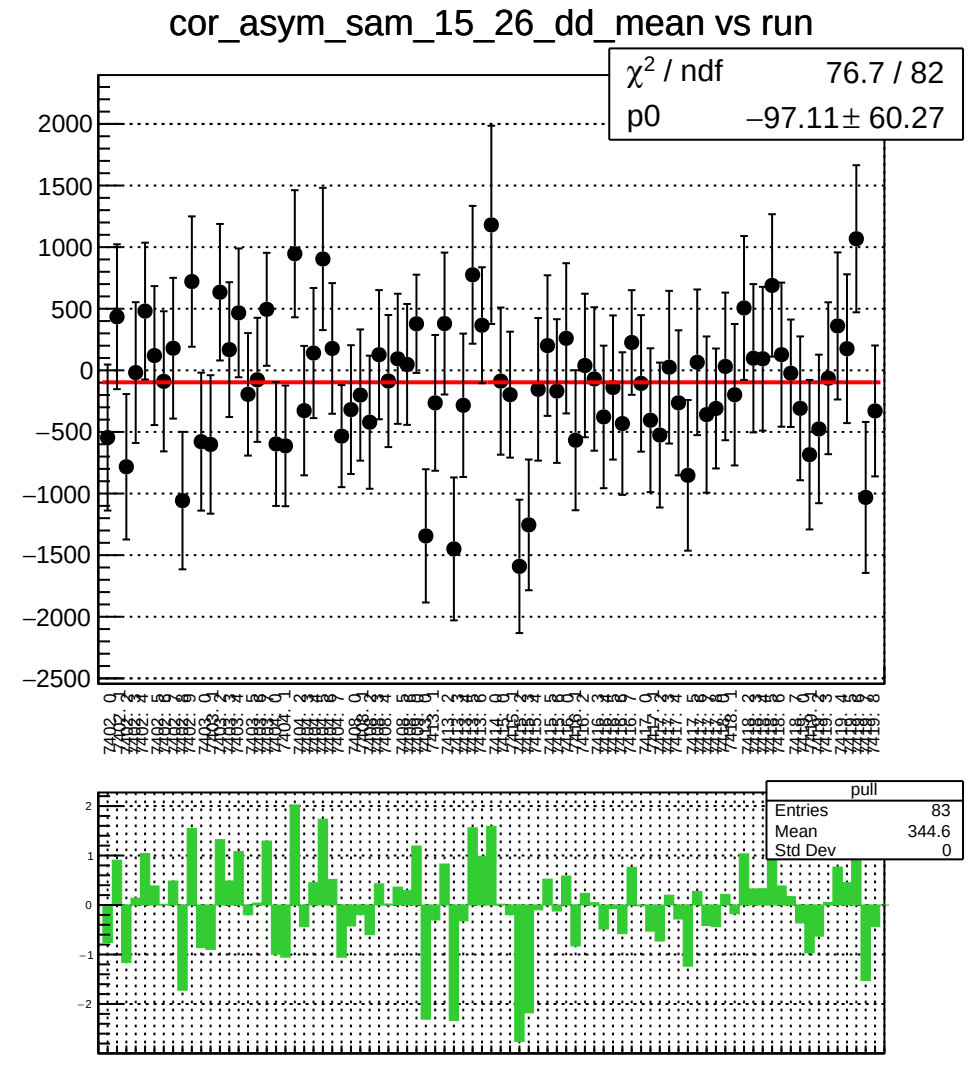

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 76.7 / 82
p0 −97.13 ± 60.27
pull
Entries 83
Mean 344.5
Std Dev 0

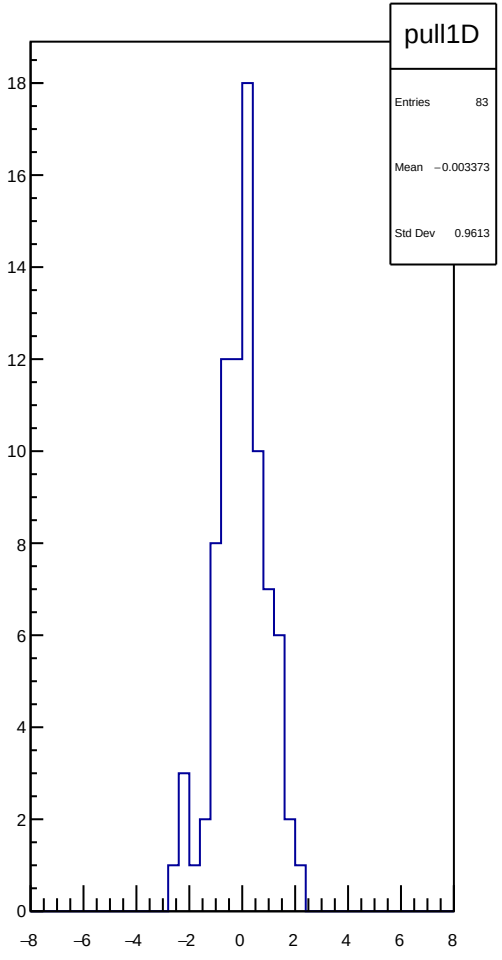

pull1D
Entries 83
Mean −0.003373
Std Dev 0.9613

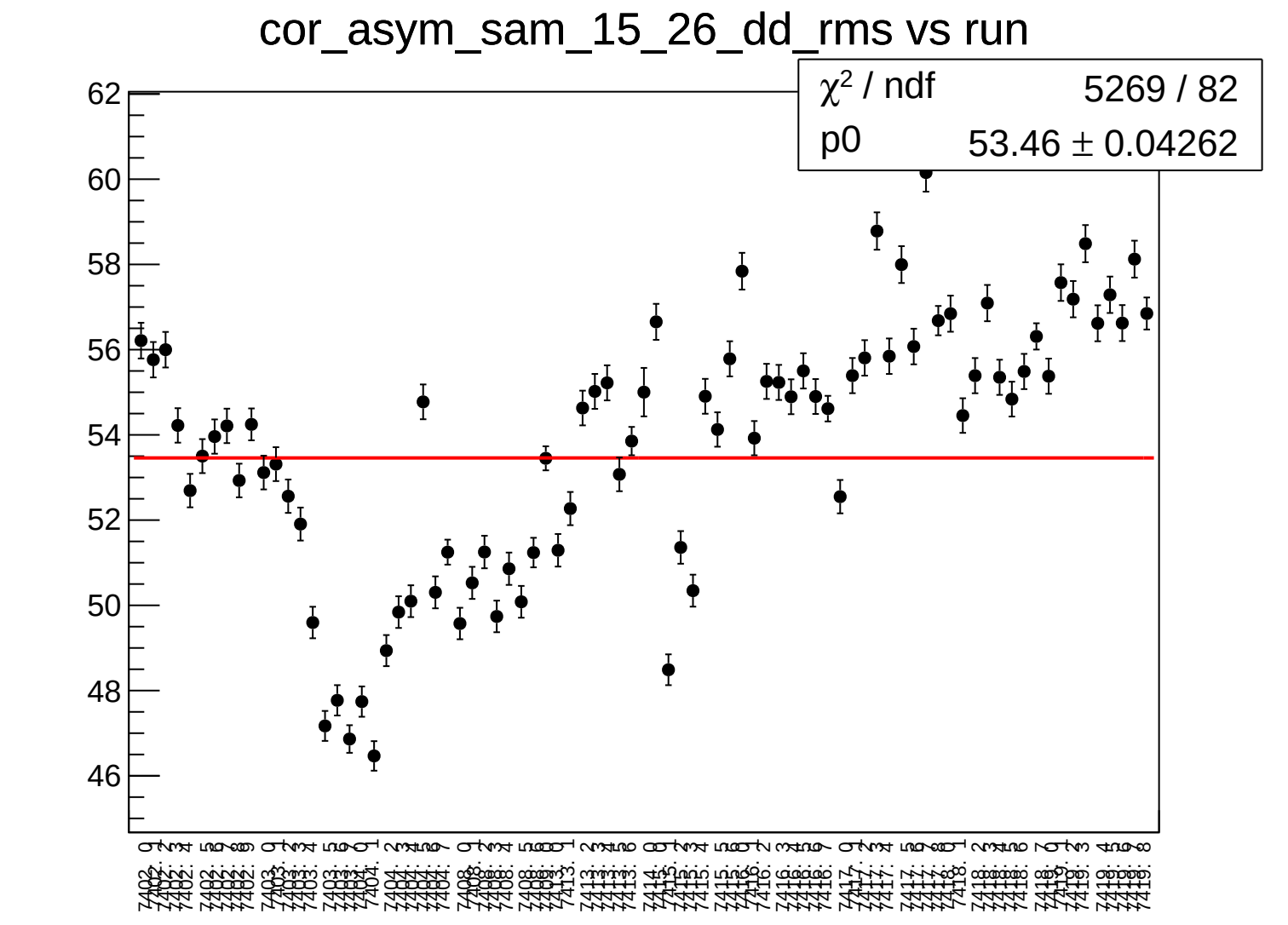

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 5269 / 82
p0 53.46 ± 0.04262
62
60
58
56
54
52
50
48
46

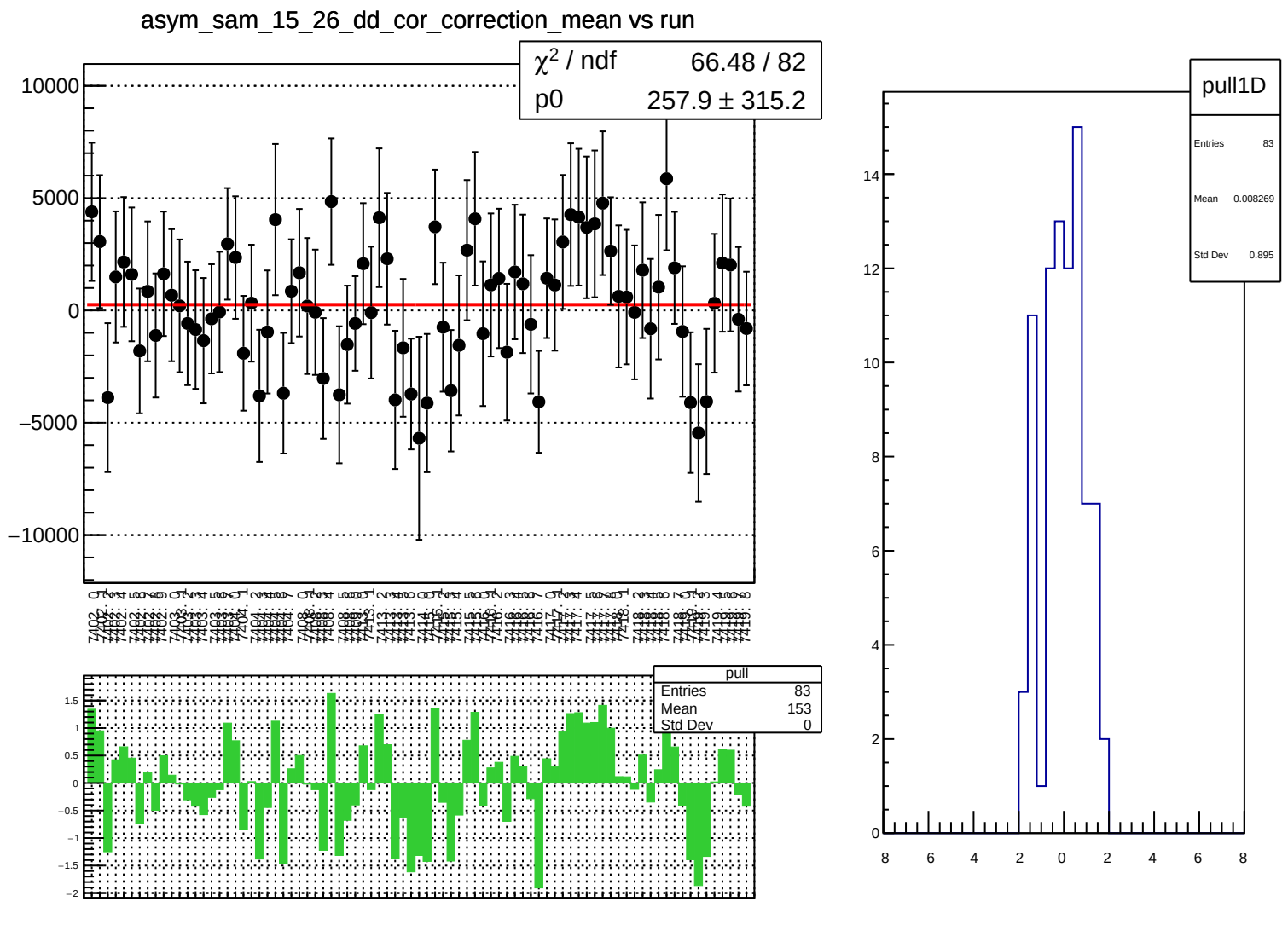

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 66.48 / 82
p0 257.8 ± 315.2
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 152.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean 0.008272
Std Dev 0.895
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

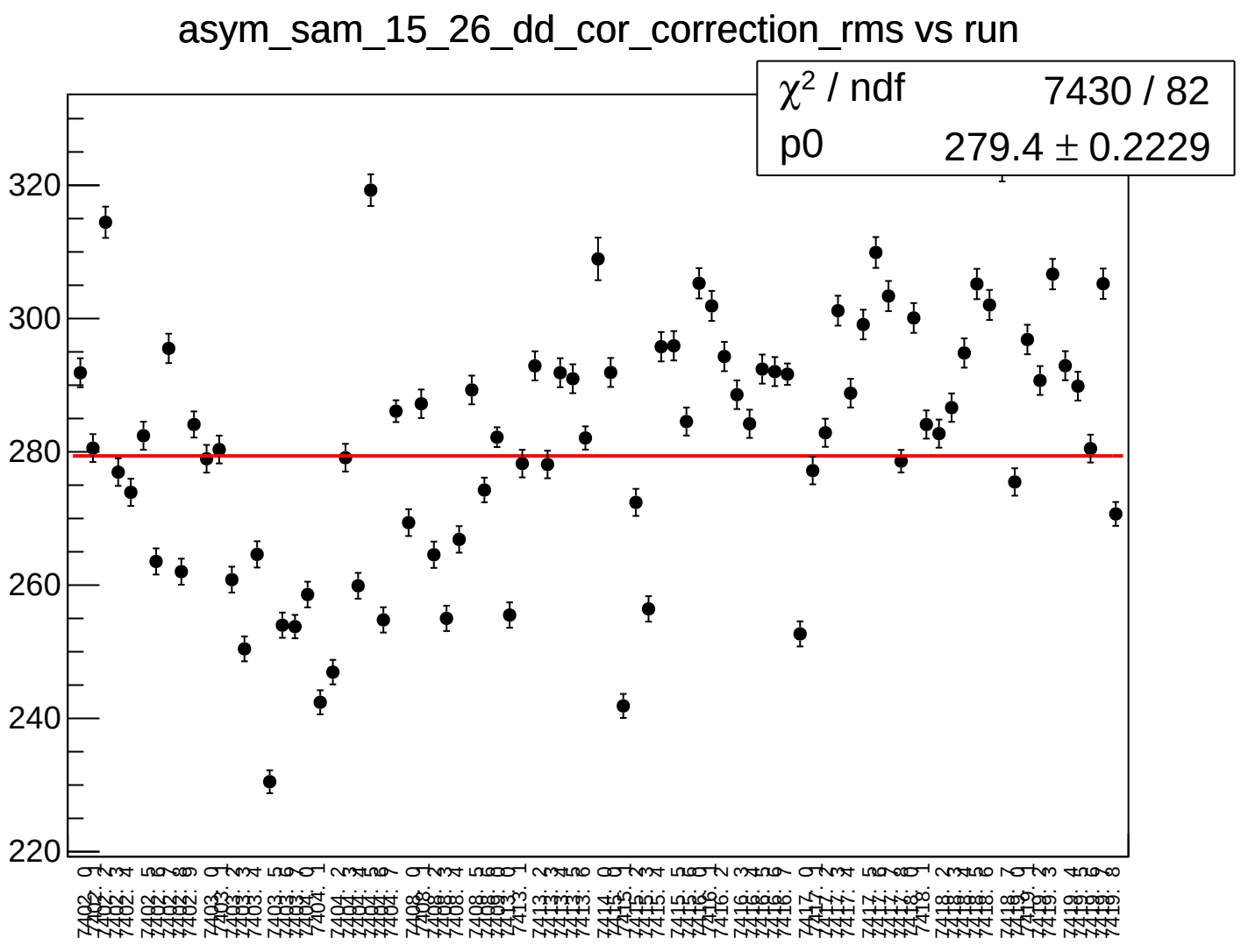

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 7430 / 82
p0 279.4 ± 0.2229
320
300
280
260
240
220

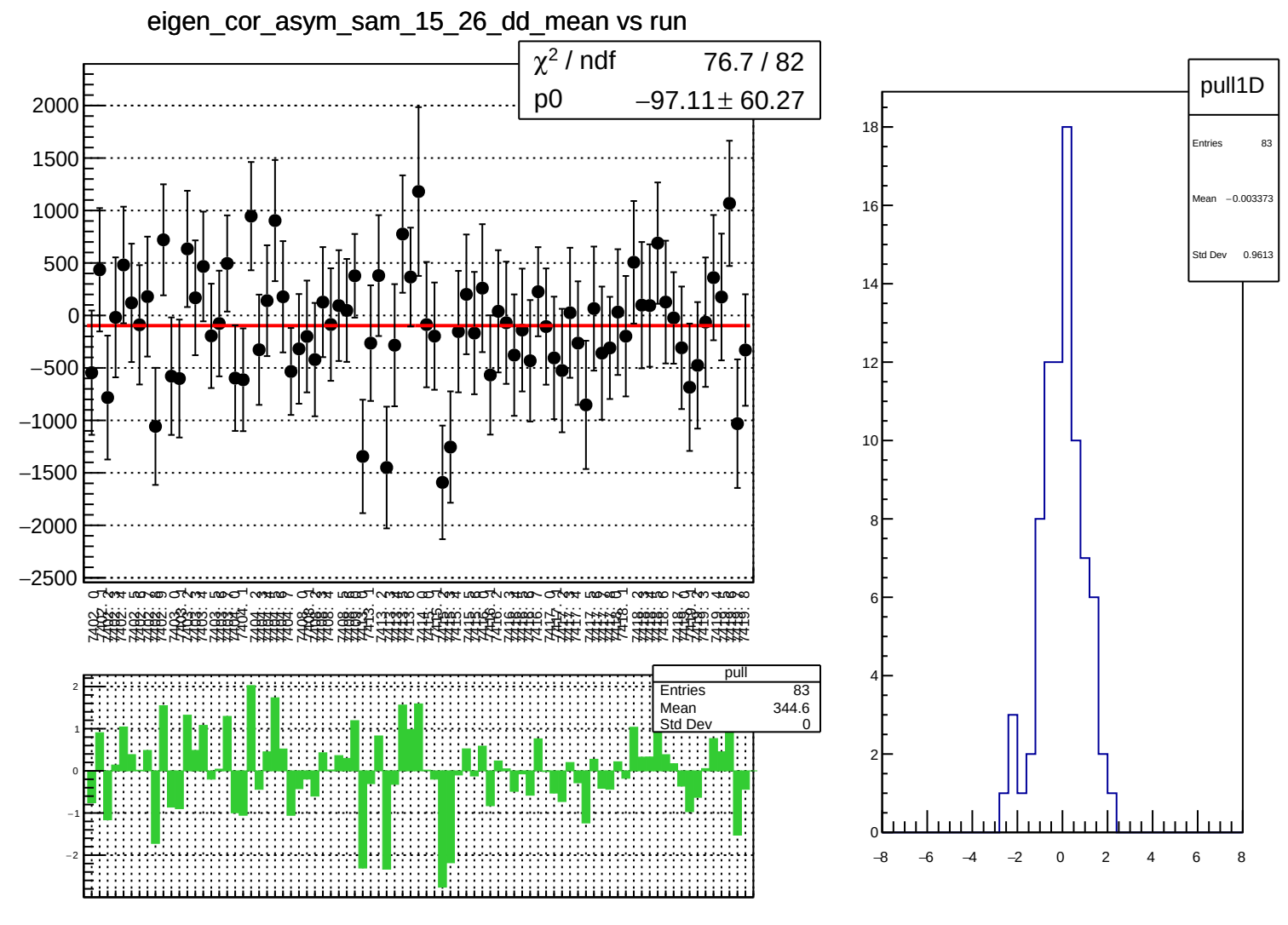

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 76.7 / 82
p0 −97.11± 60.27
pull
Entries 83
Mean 344.6
Std Dev 0

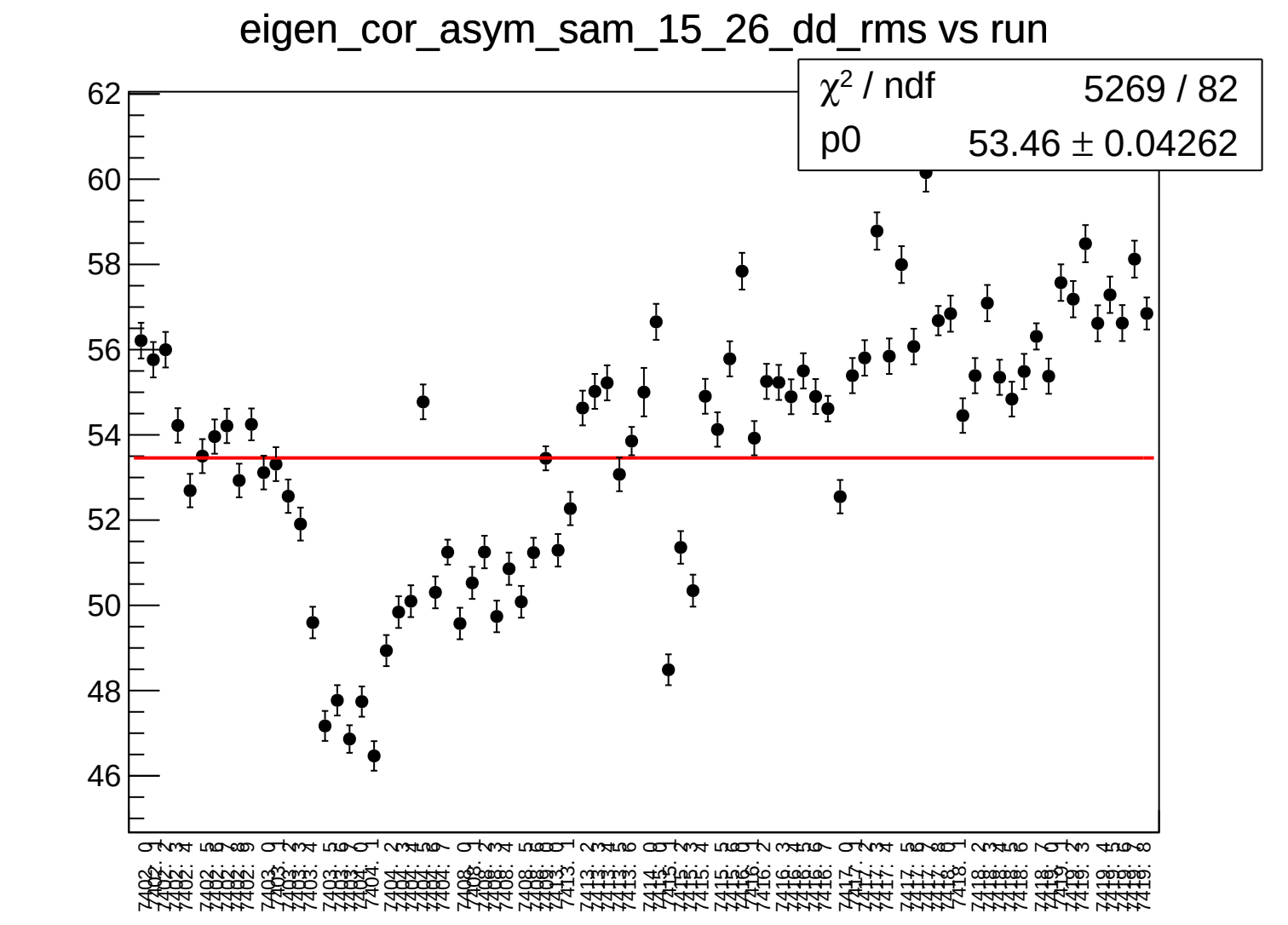

pull1D
Entries 83
Mean −0.003373
Std Dev 0.9613

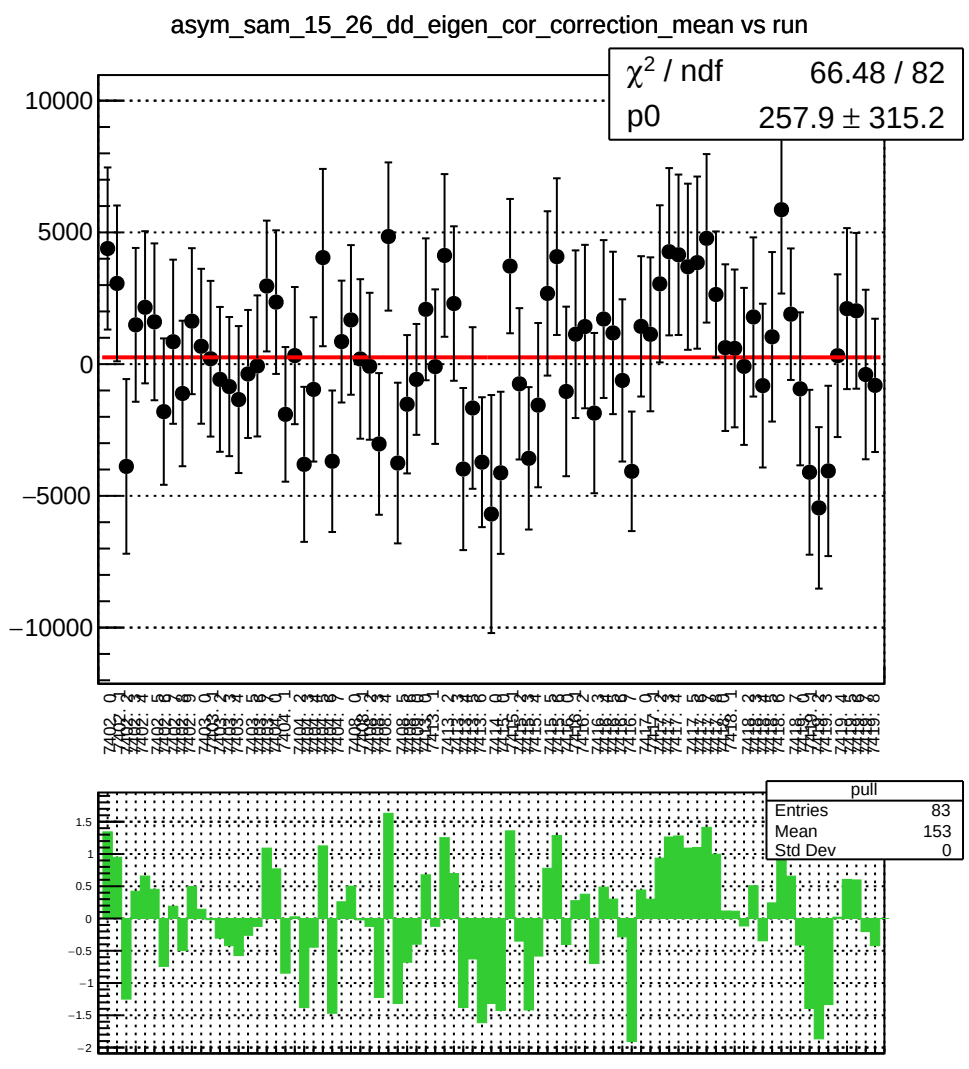

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 5269 / 82
p0 53.46 ± 0.04262
62
60
58
56
54
52
50
48
46

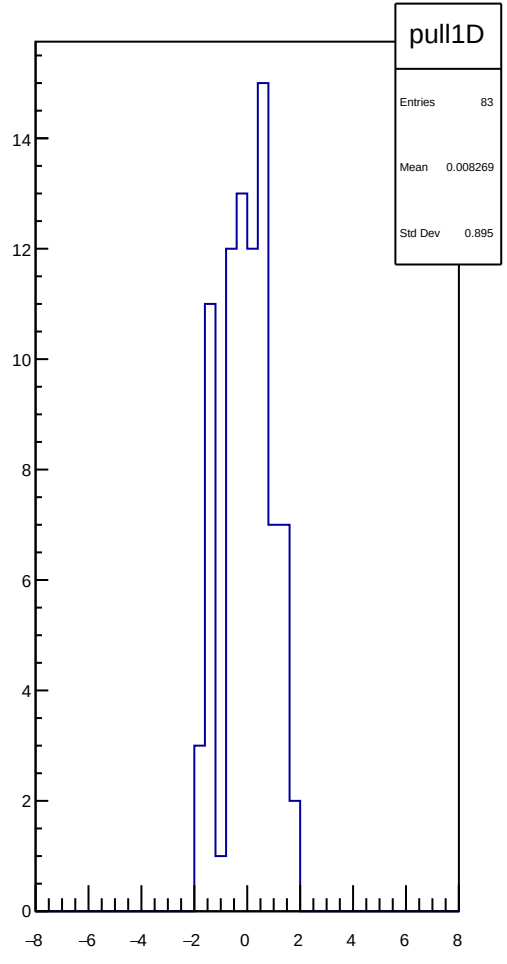

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 66.48 / 82
p0 257.9 ± 315.2
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 153
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean 0.008269
Std Dev 0.895
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

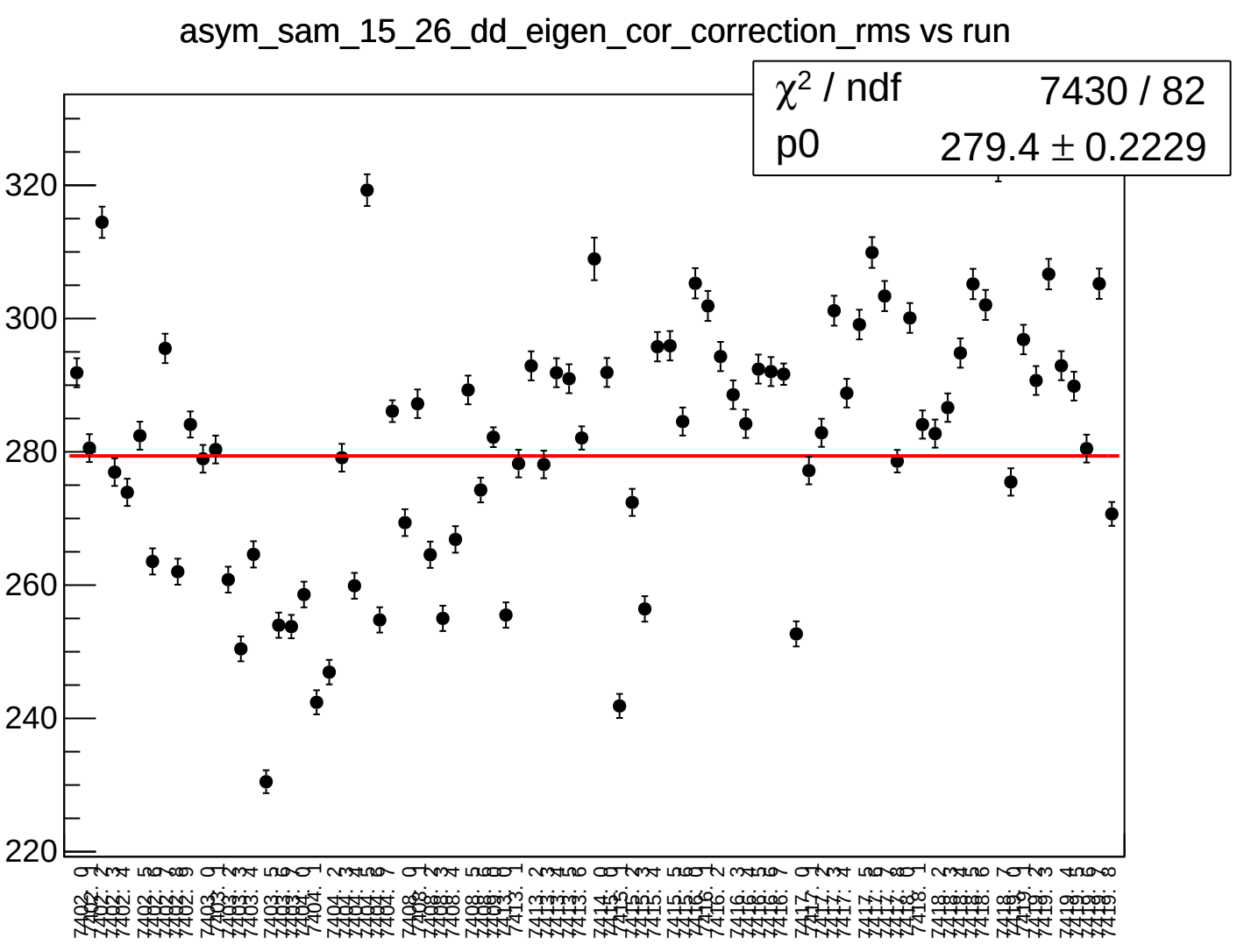

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 7430 / 82
p0 279.4 ± 0.2229
320
300
280
260
240
220

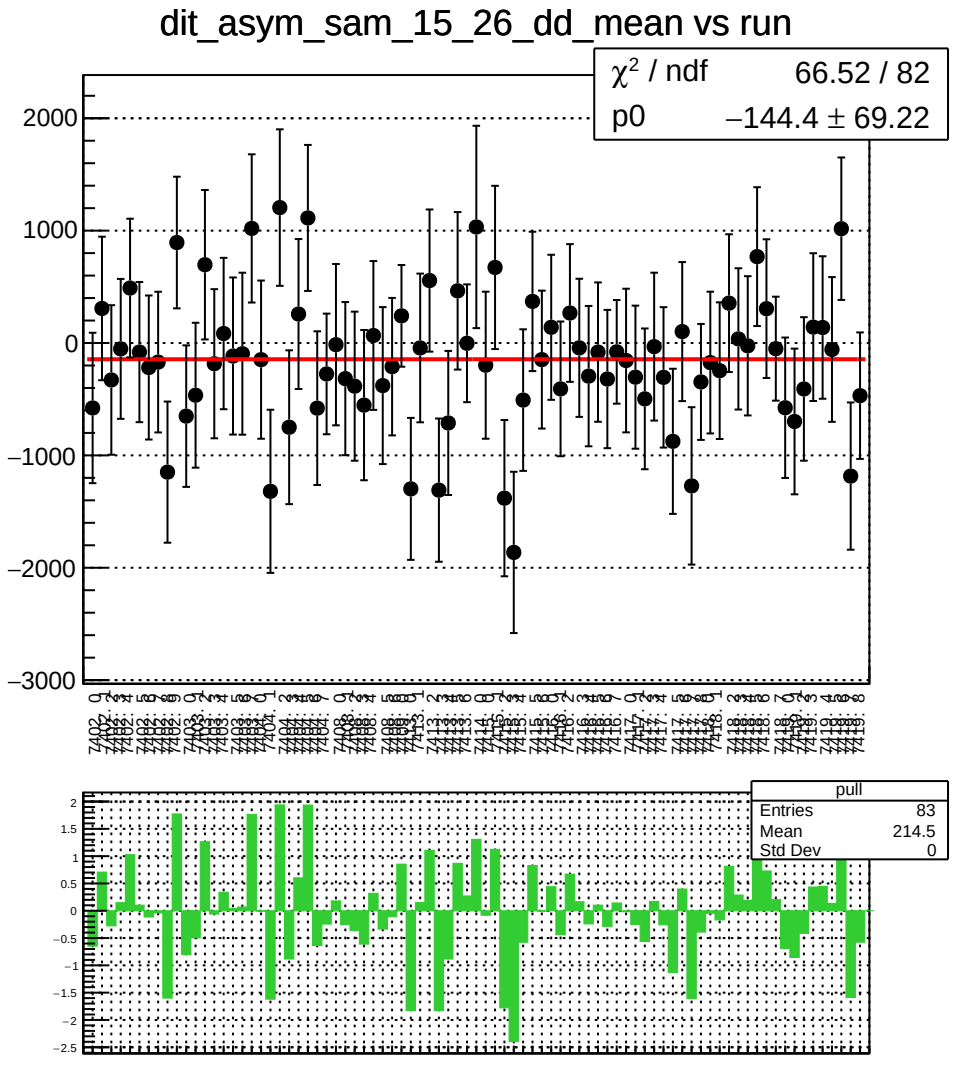

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 76.7 / 82
p0 −97.11± 60.27
pull
Entries 83
Mean 344.6
Std Dev 0
pull1D
Entries 83
Mean −0.003373
Std Dev 0.9613

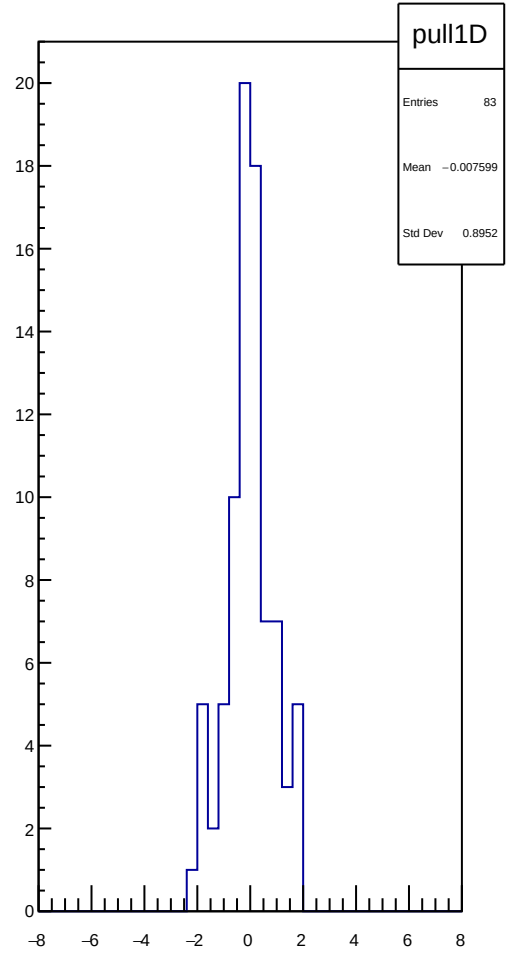

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 5269 / 82
p0 53.46 ± 0.04262
62
60
58
56
54
52
50
48
46

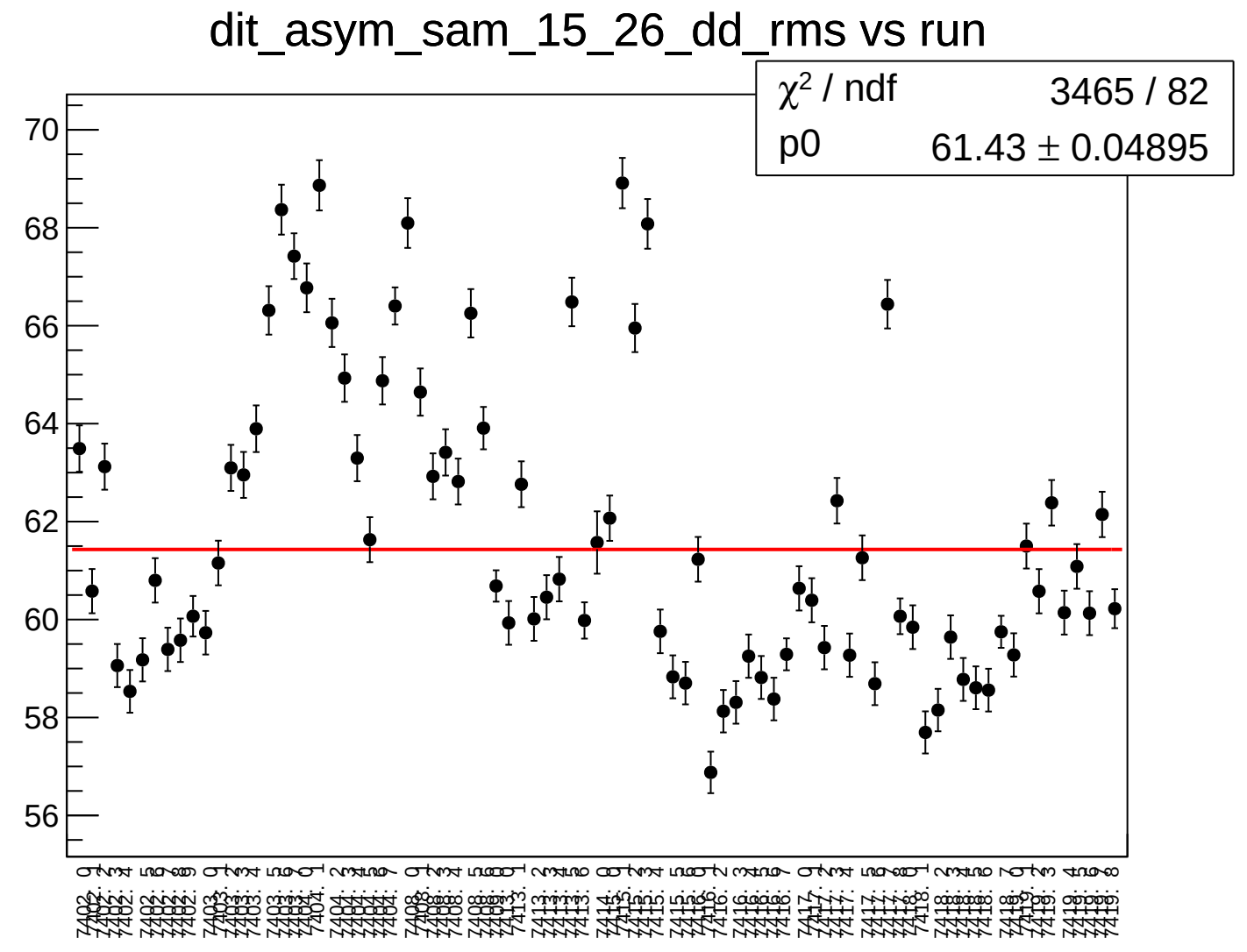

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 66.48 / 82
p0 257.9 ± 315.2
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 153
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

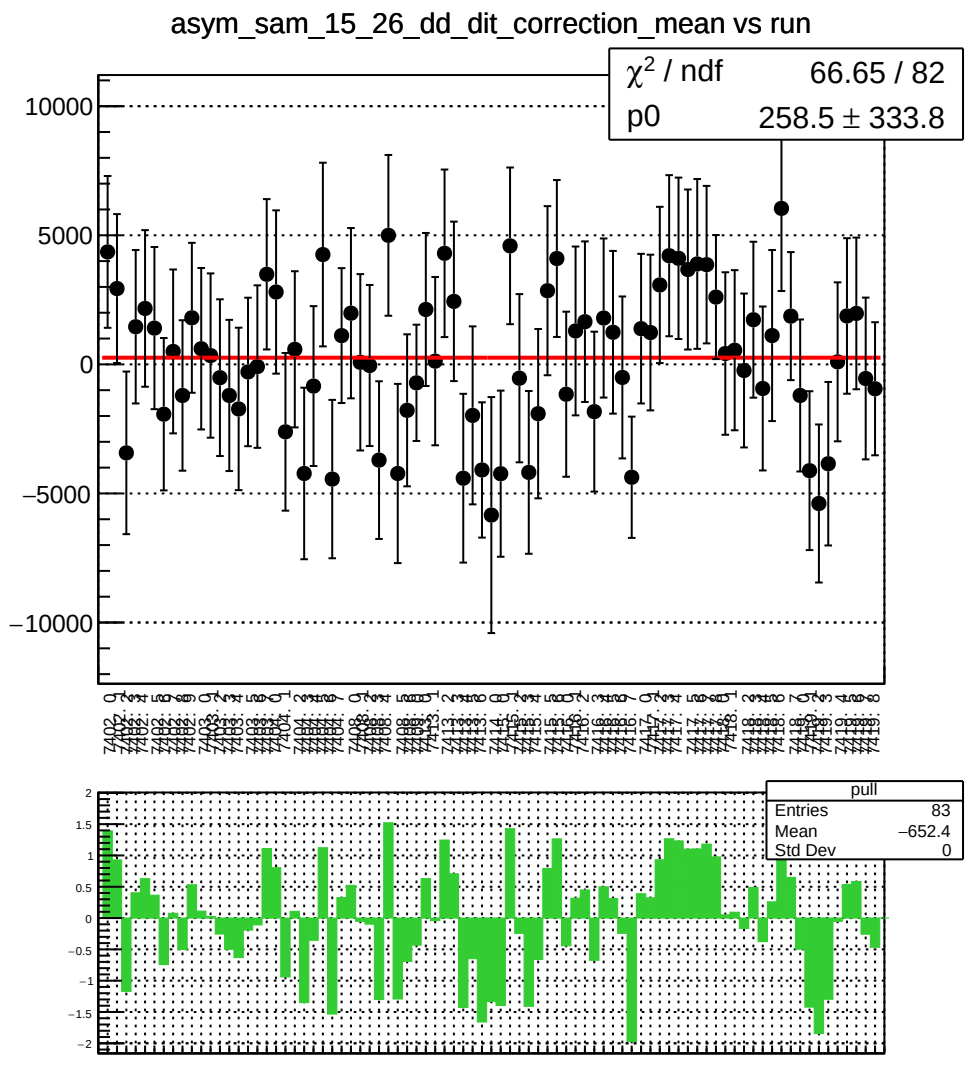

pull1D
Entries 83
Mean 0.008269
Std Dev 0.895
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

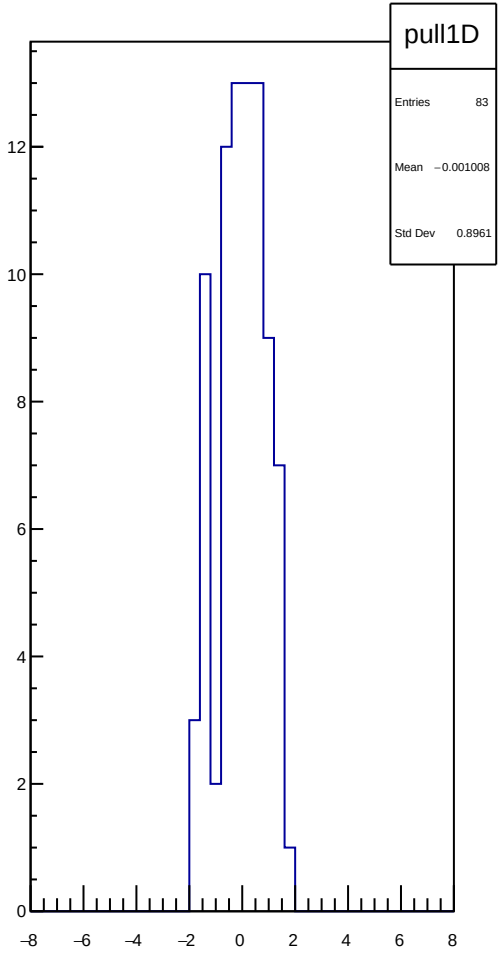

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 7430 / 82
p0 279.4 ± 0.2229
320
300
280
260
240
220

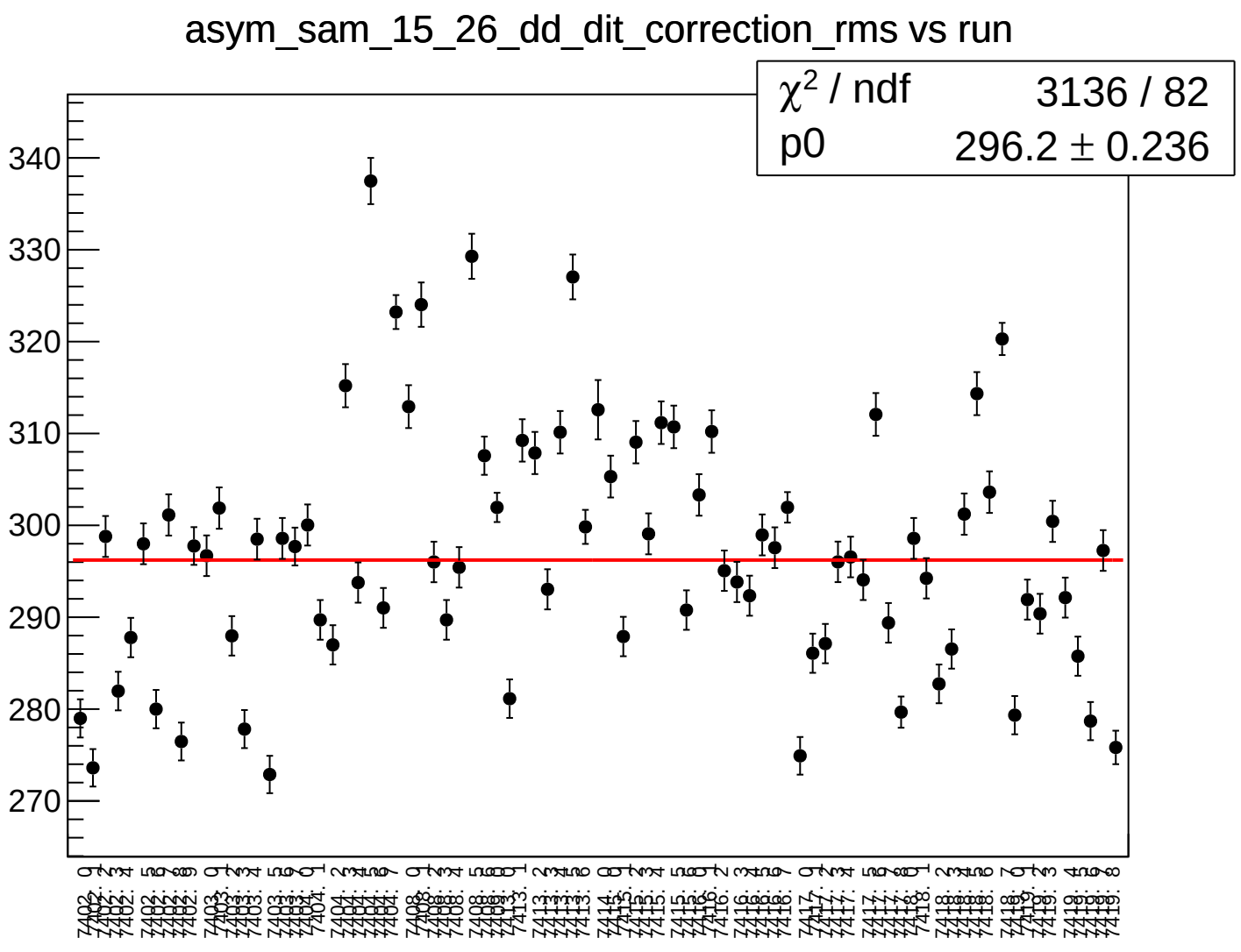

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 66.52 / 82
p0 −144.4 ± 69.22
pull
Entries 83
Mean 214.5
Std Dev 0

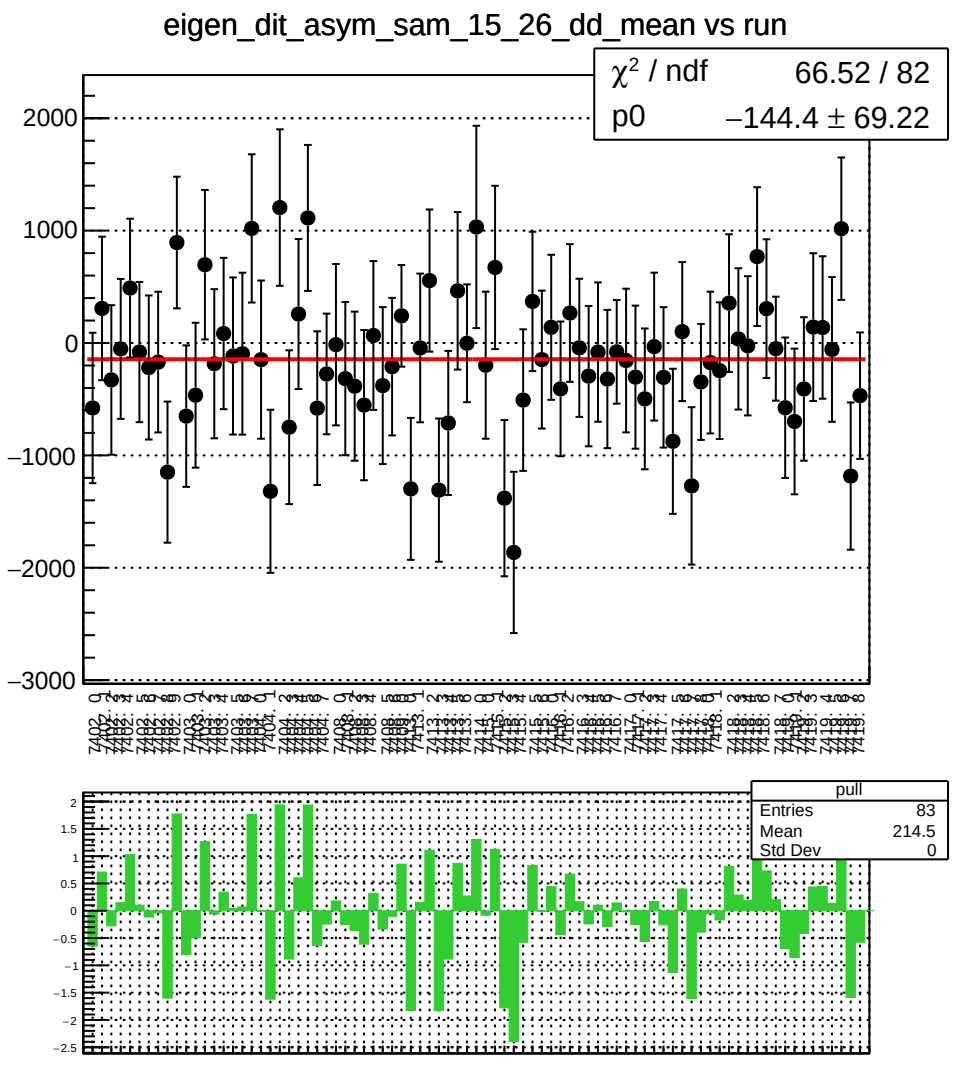

pull1D
Entries 83
Mean −0.007599
Std Dev 0.8952

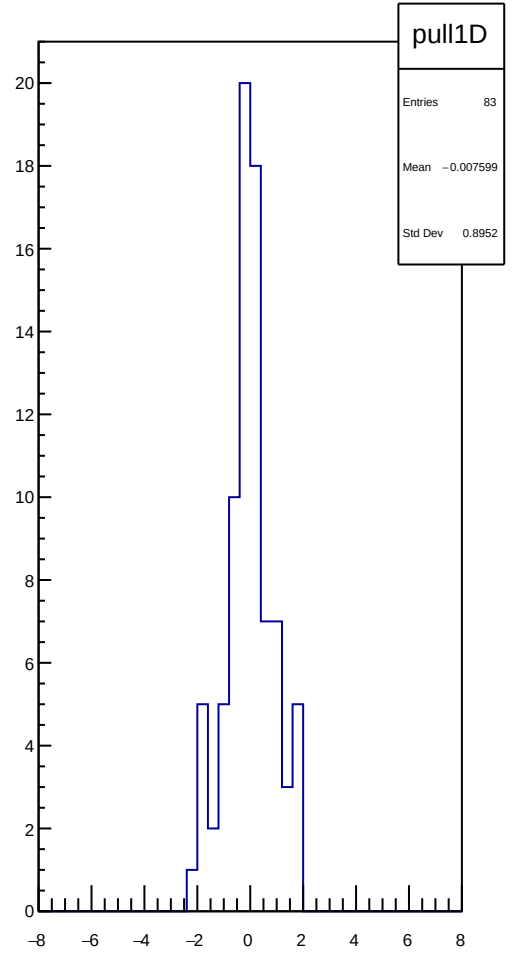

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3465 / 82
p0 61.43 ± 0.04895
70
68
66
64
62
60
58
56

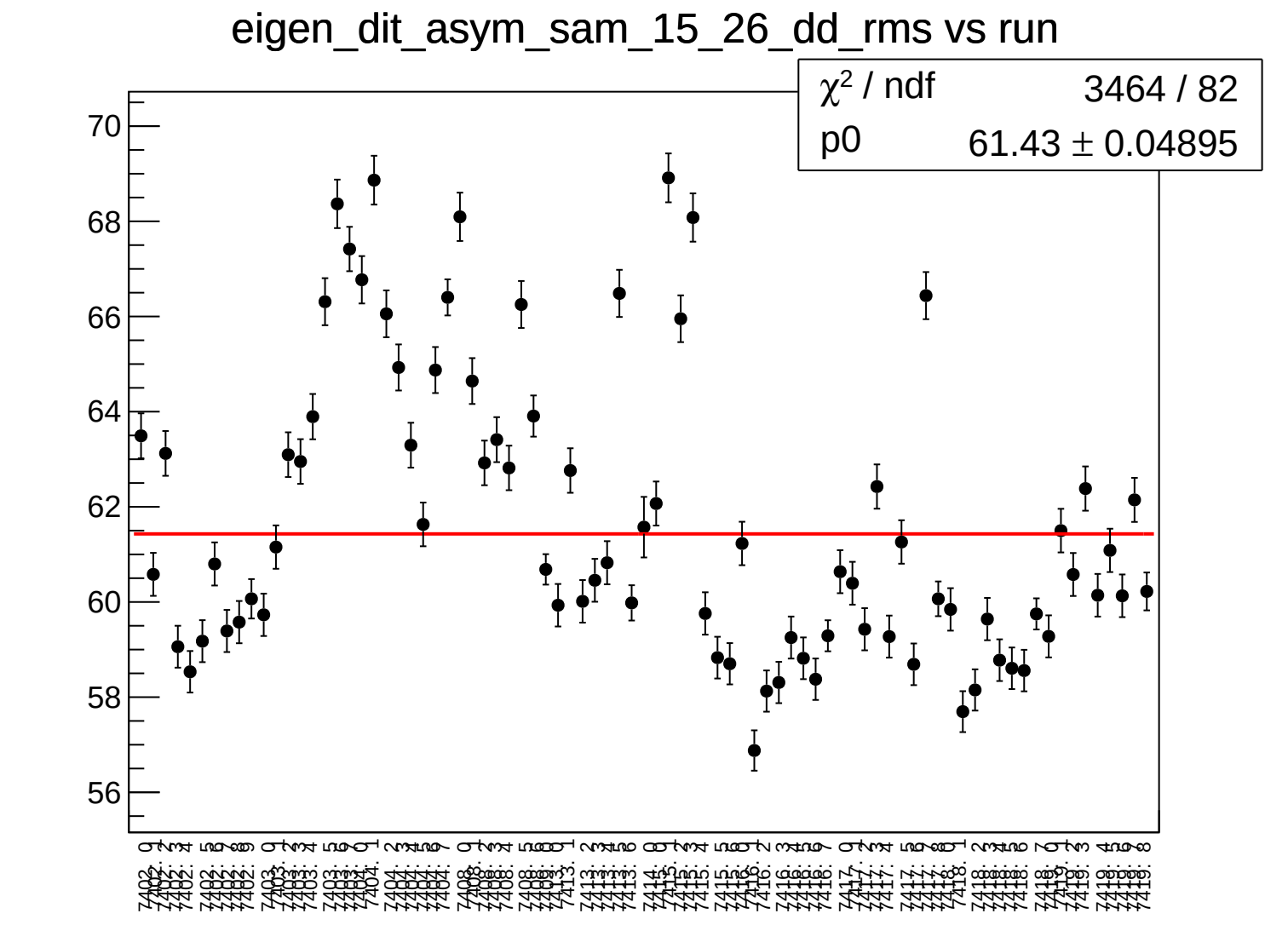

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 66.65 / 82
p0 258.5 ± 333.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −652.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

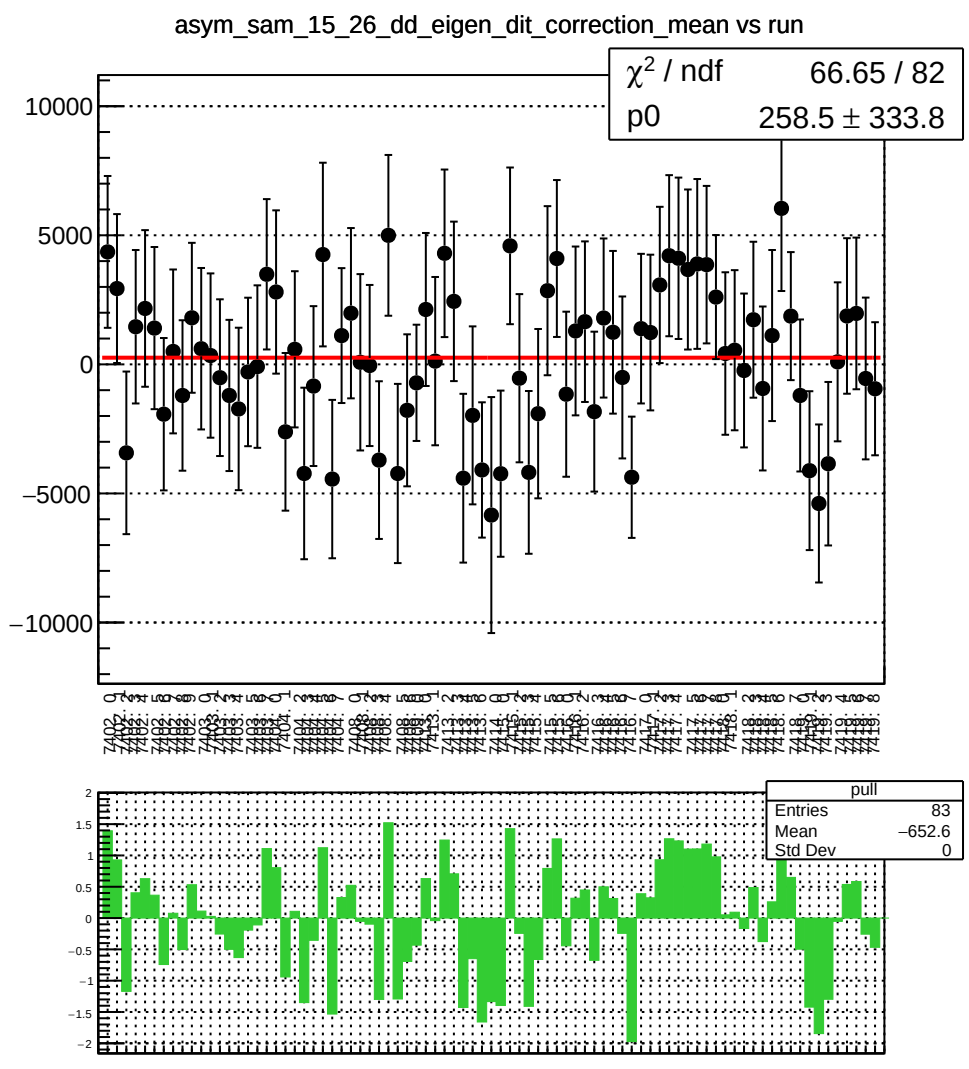

pull1D
Entries 83
Mean −0.001008
Std Dev 0.8961
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

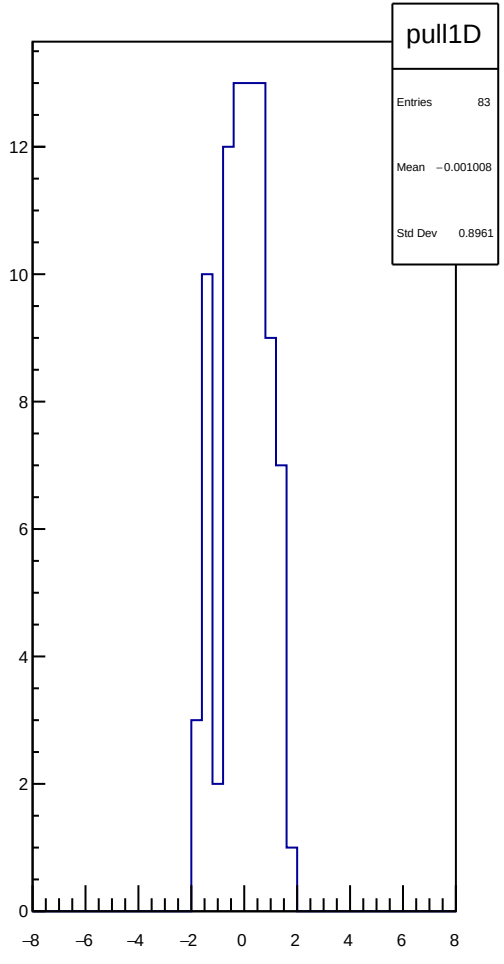

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3136 / 82
p0 296.2 ± 0.236
340
330
320
310
300
290
280
270

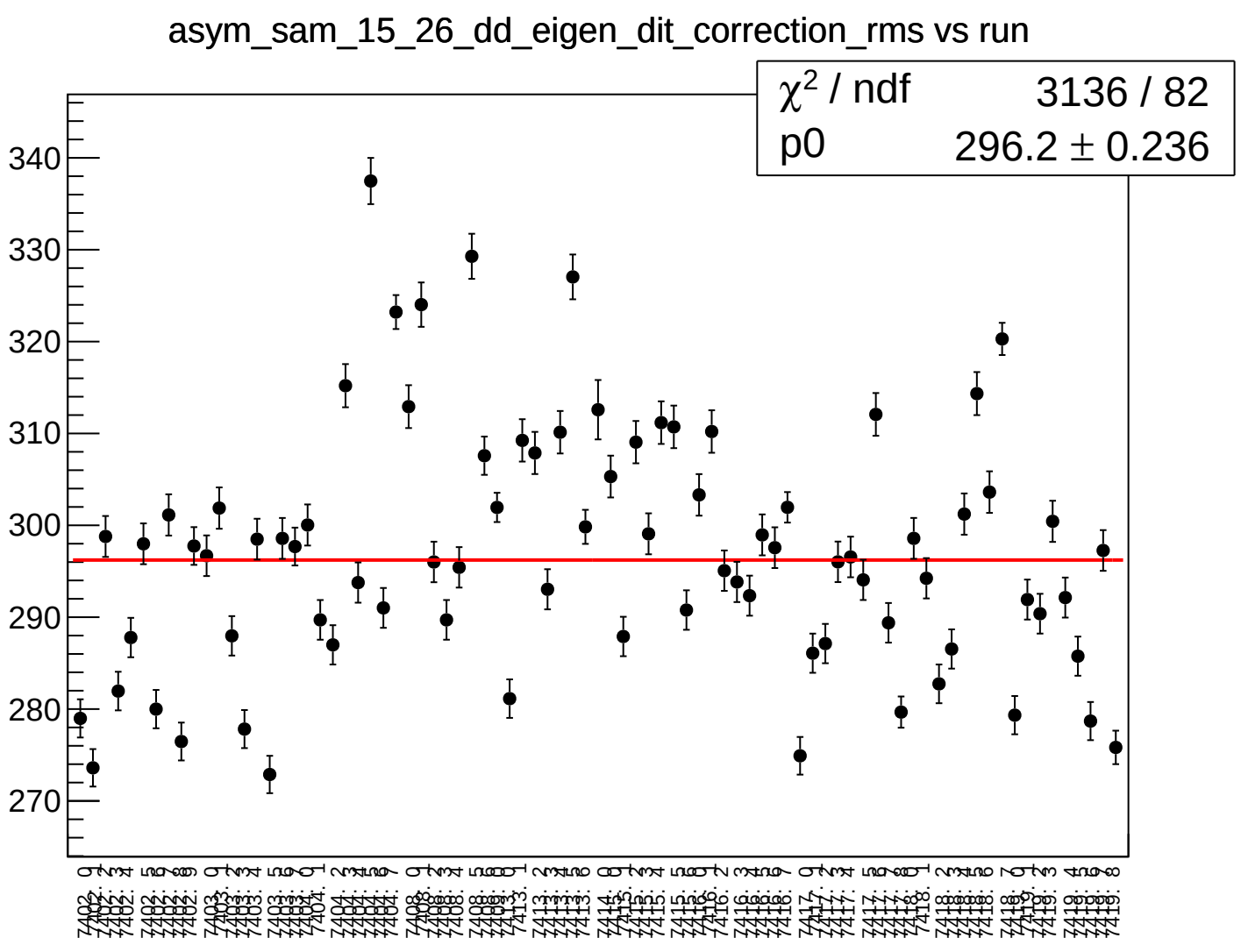

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 66.52 / 82
p0 −144.4 ± 69.22
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 214.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

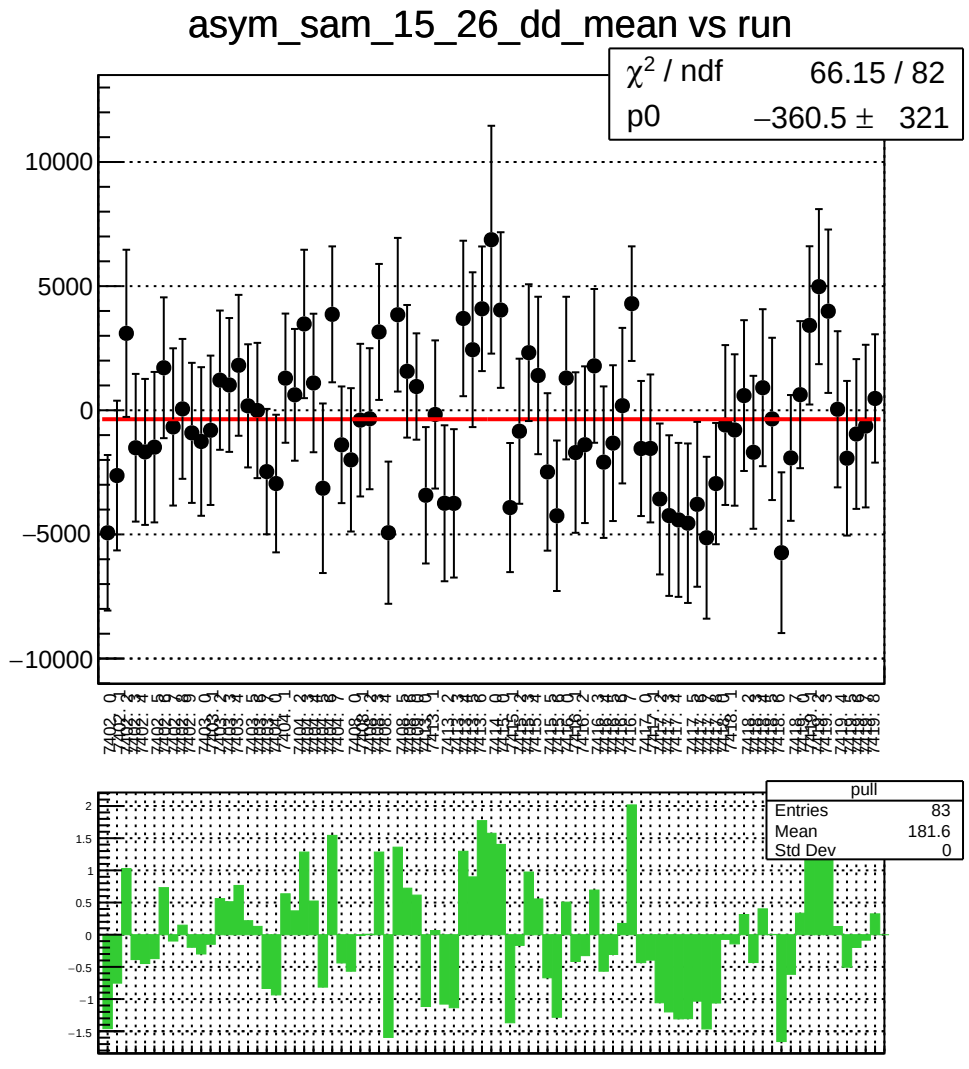

pull1D
Entries 83
Mean −0.007599
Std Dev 0.8952
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

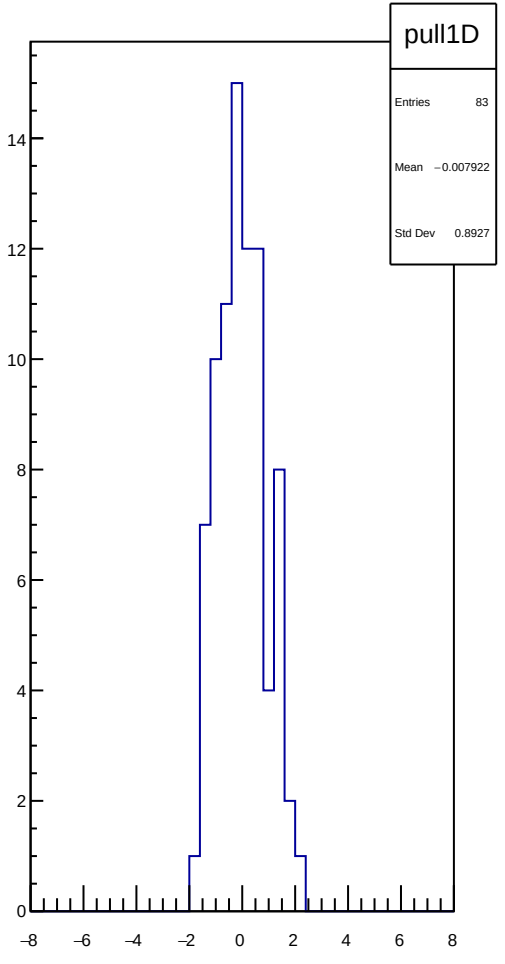

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3464 / 82
p0 61.43 ± 0.04895
70
68
66
64
62
60
58
56

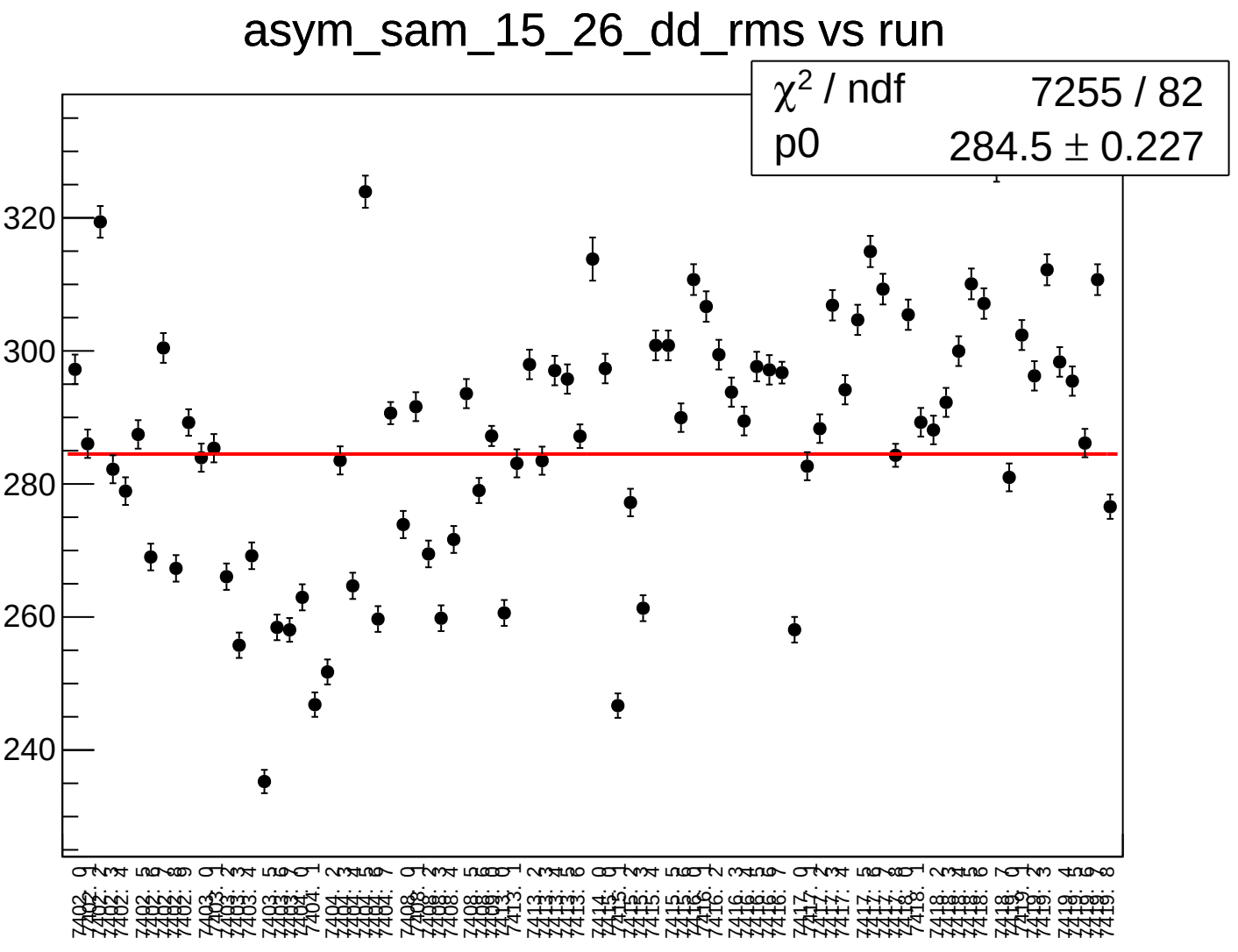

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 66.65 / 82
p0 258.5 ± 333.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −652.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

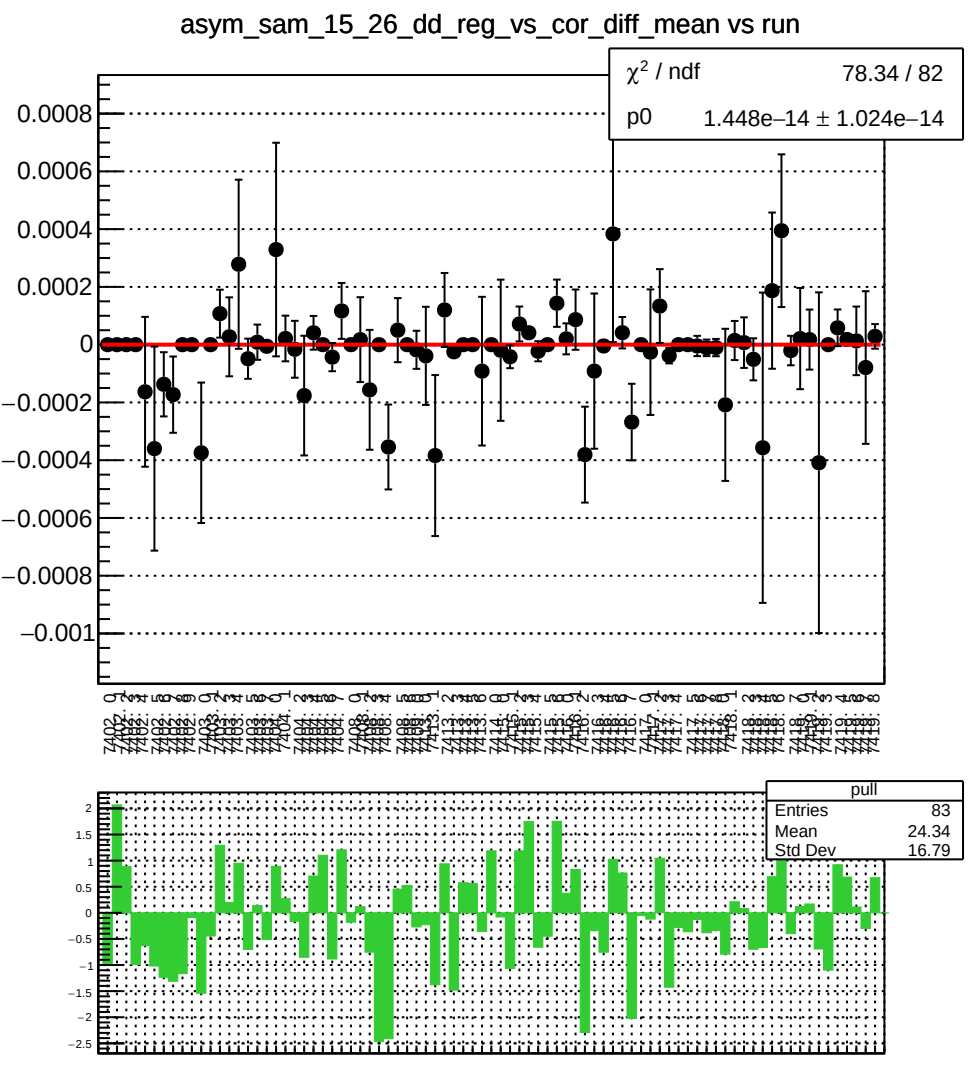

pull1D
Entries 83
Mean −0.001008
Std Dev 0.8961
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

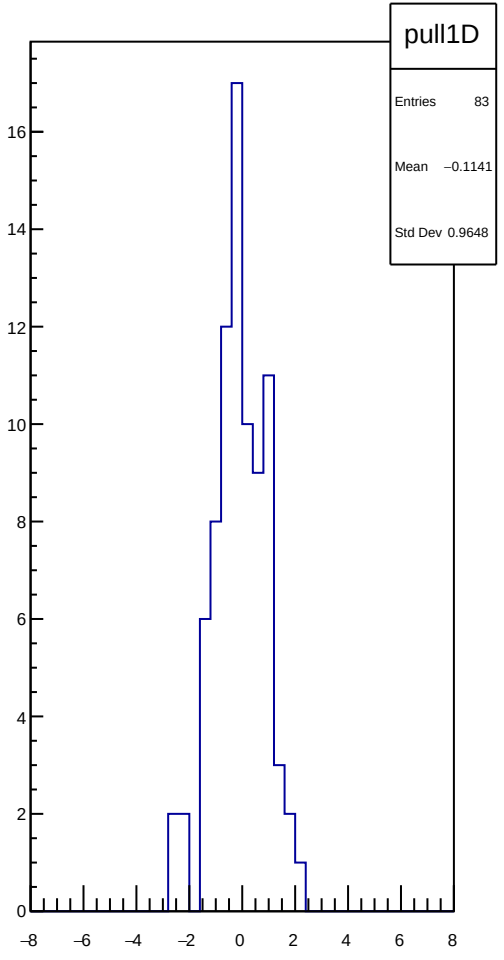

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3136 / 82
p0 296.2 ± 0.236
340
330
320
310
300
290
280
270

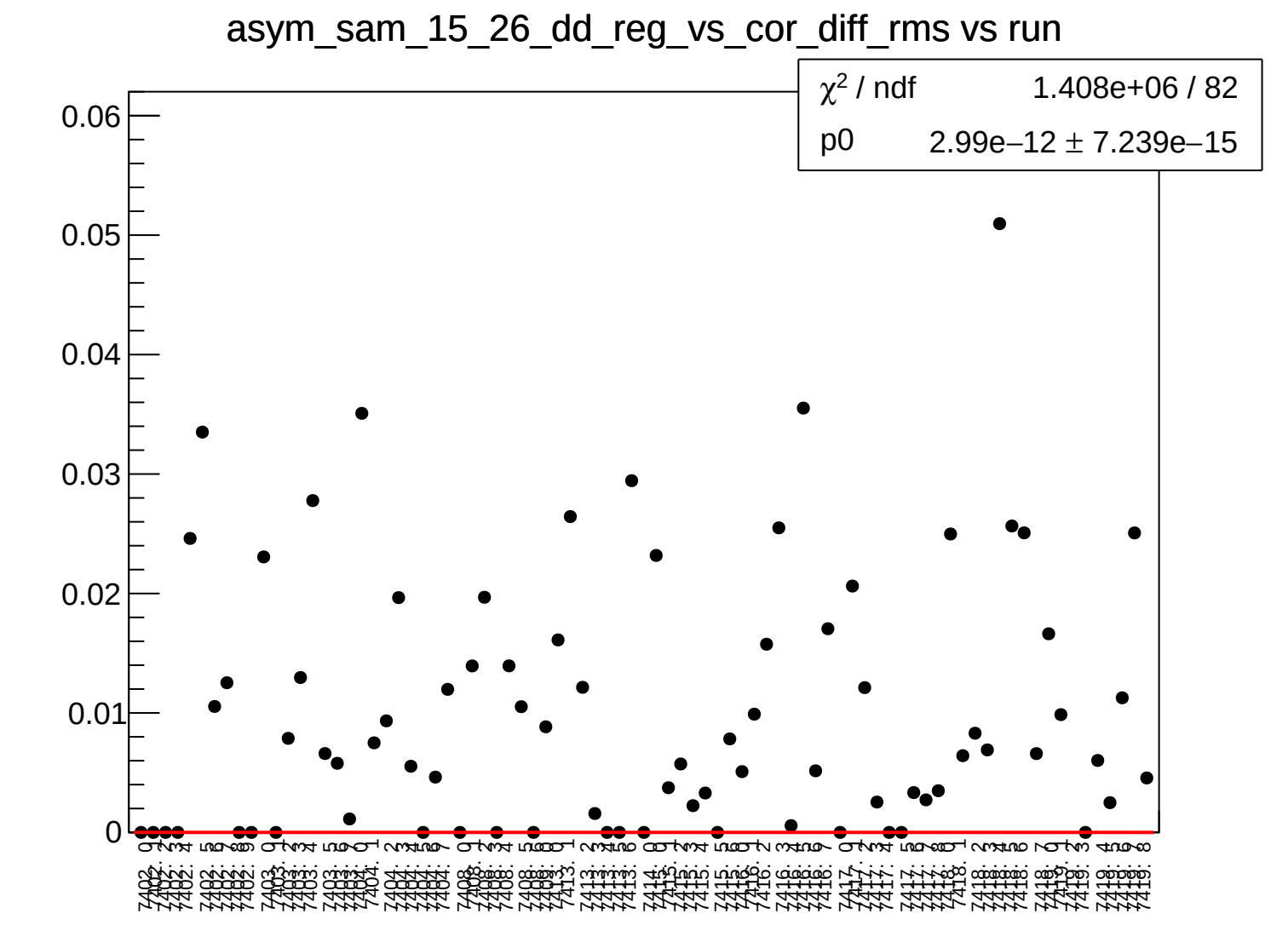

asym_sam_15_26_dd_mean vs run
χ² / ndf 66.15 / 82
p0 −360.5 ± 321
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 181.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

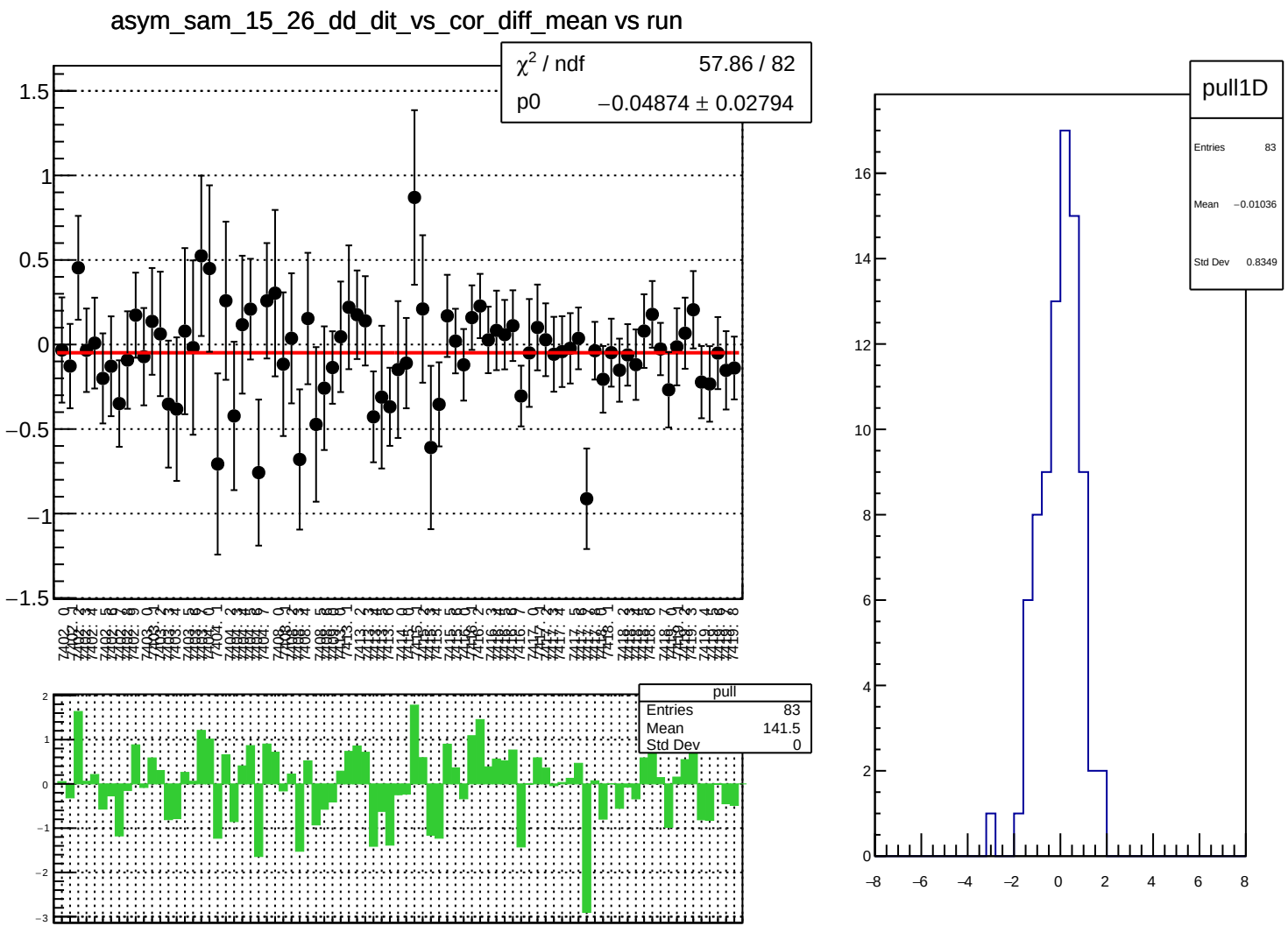

pull1D
Entries 83
Mean −0.007922
Std Dev 0.8927
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

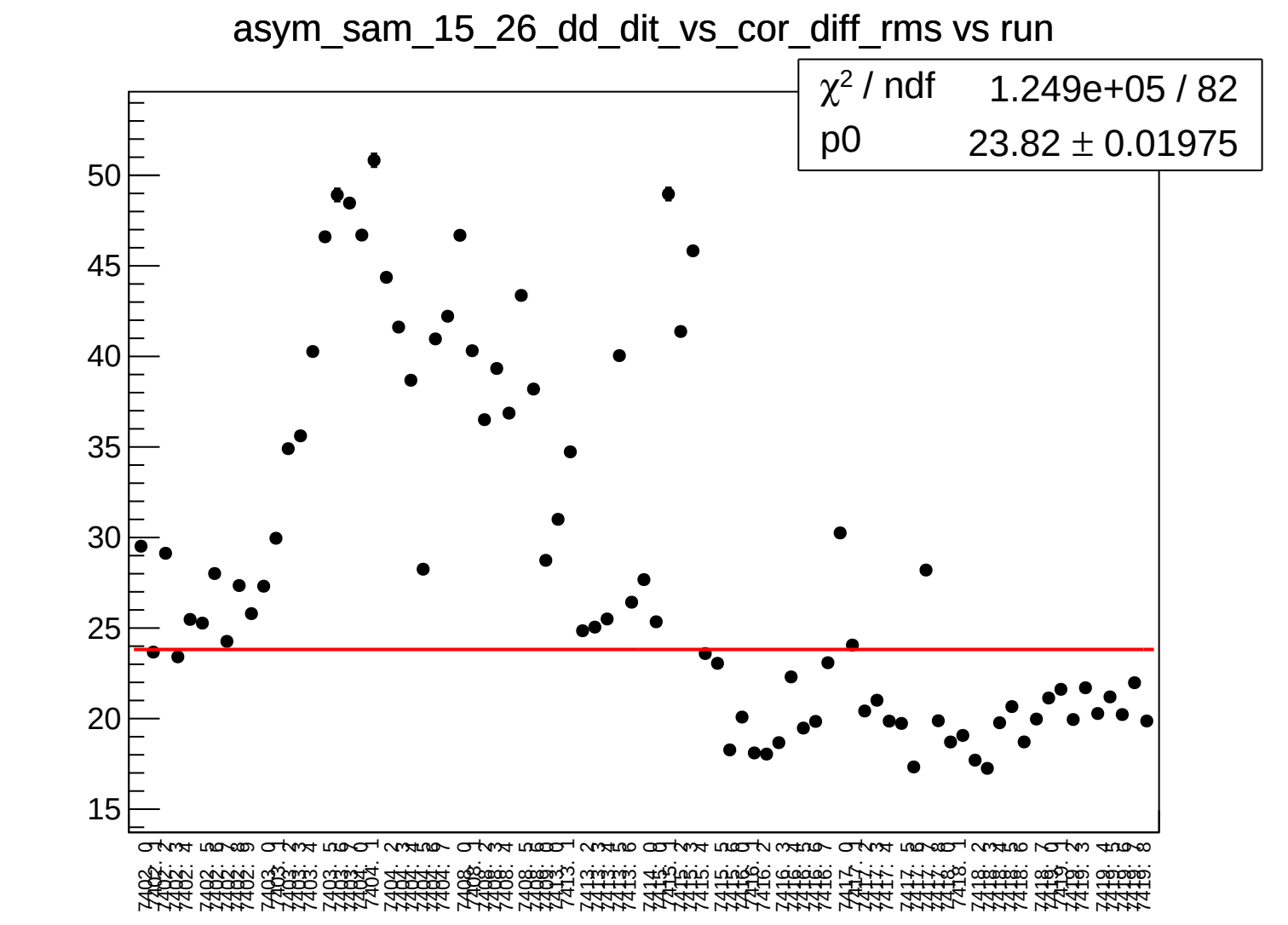

asym_sam_15_26_dd_rms vs run
χ² / ndf 7255 / 82
p0 284.5 ± 0.227
320
300
280
260
240

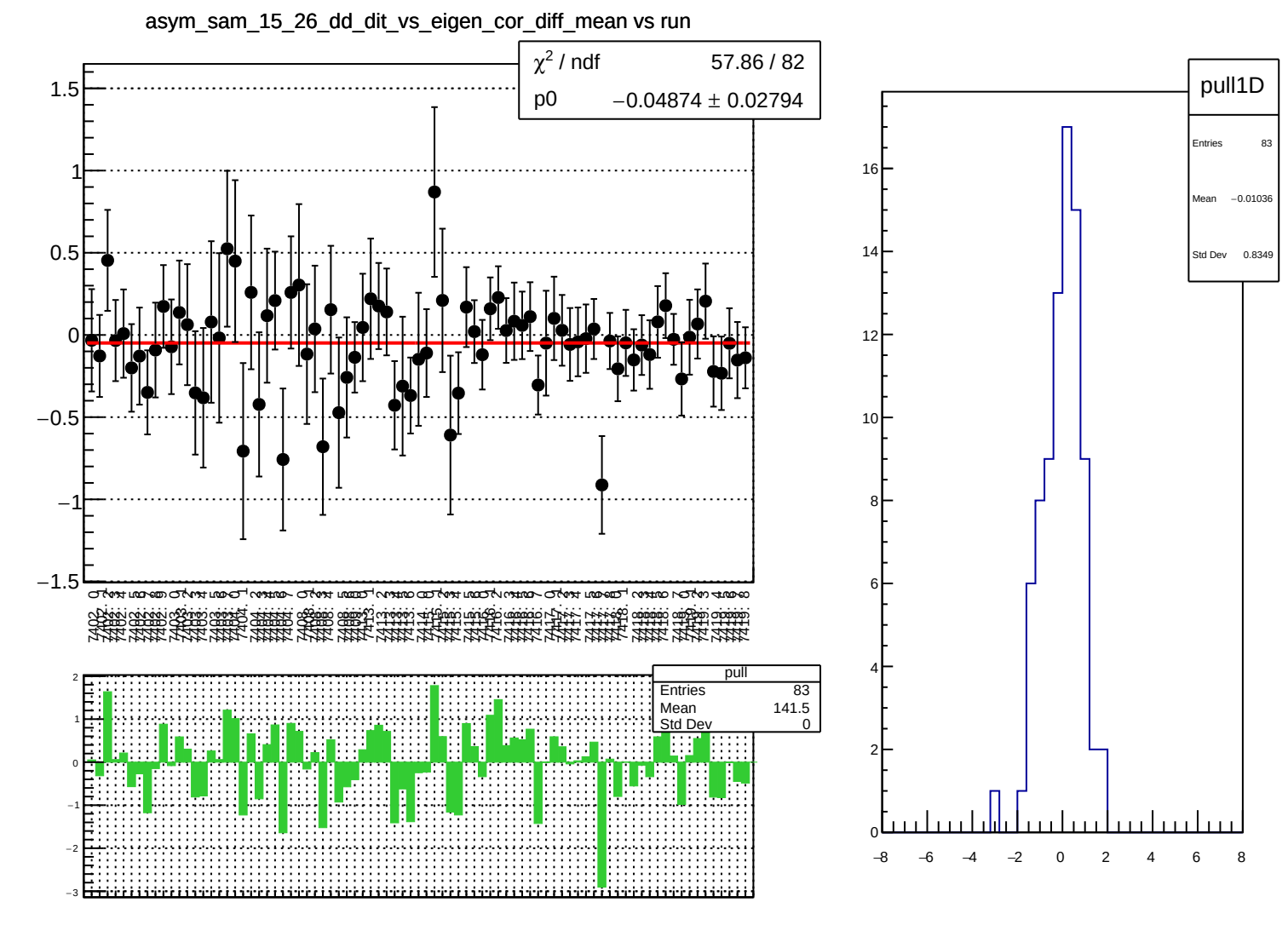

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 78.34 / 82
p0 1.448e−14 ± 1.024e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 83
Mean 24.34
Std Dev 16.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

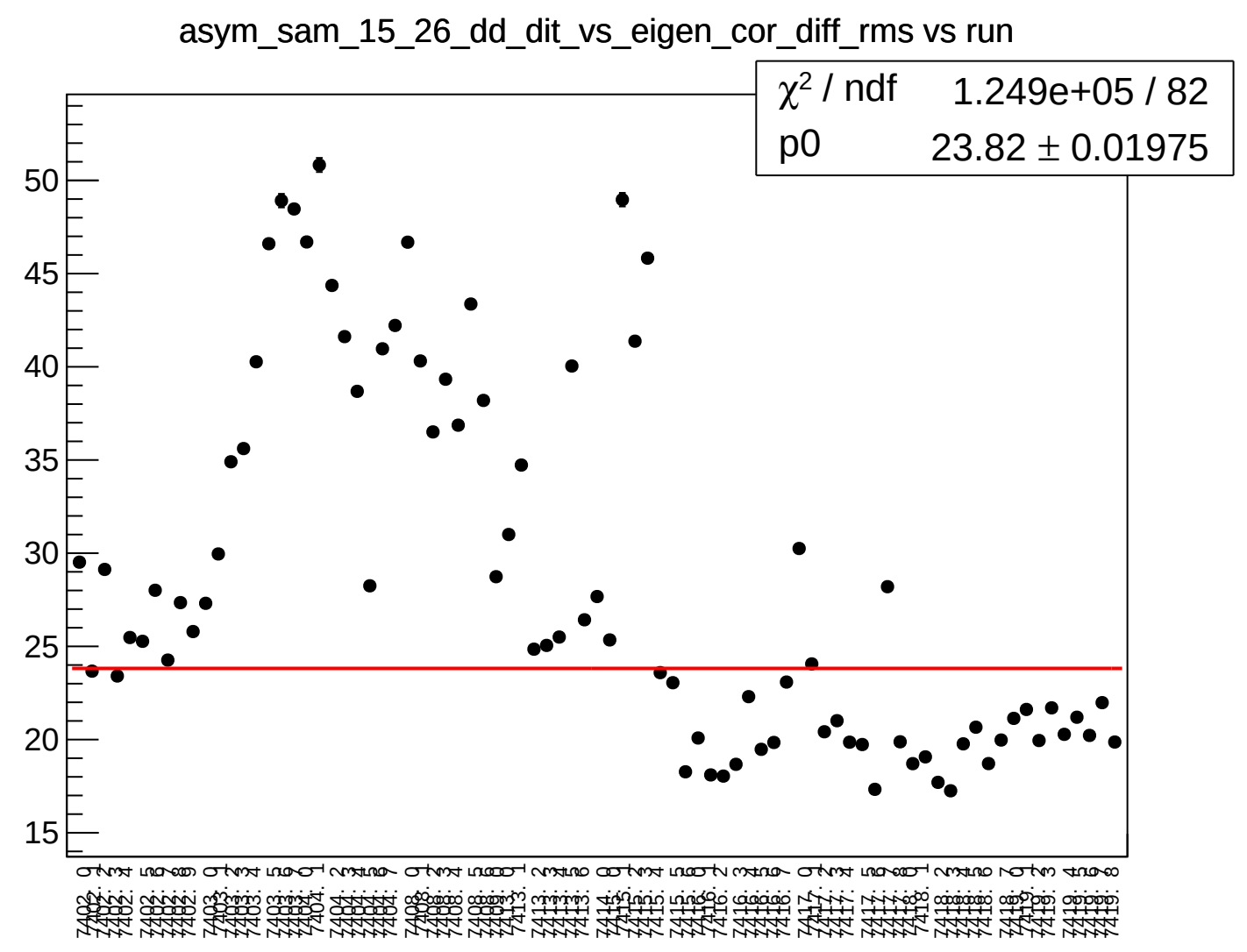

pull1D
Entries 83
Mean −0.1141
Std Dev 0.9648
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

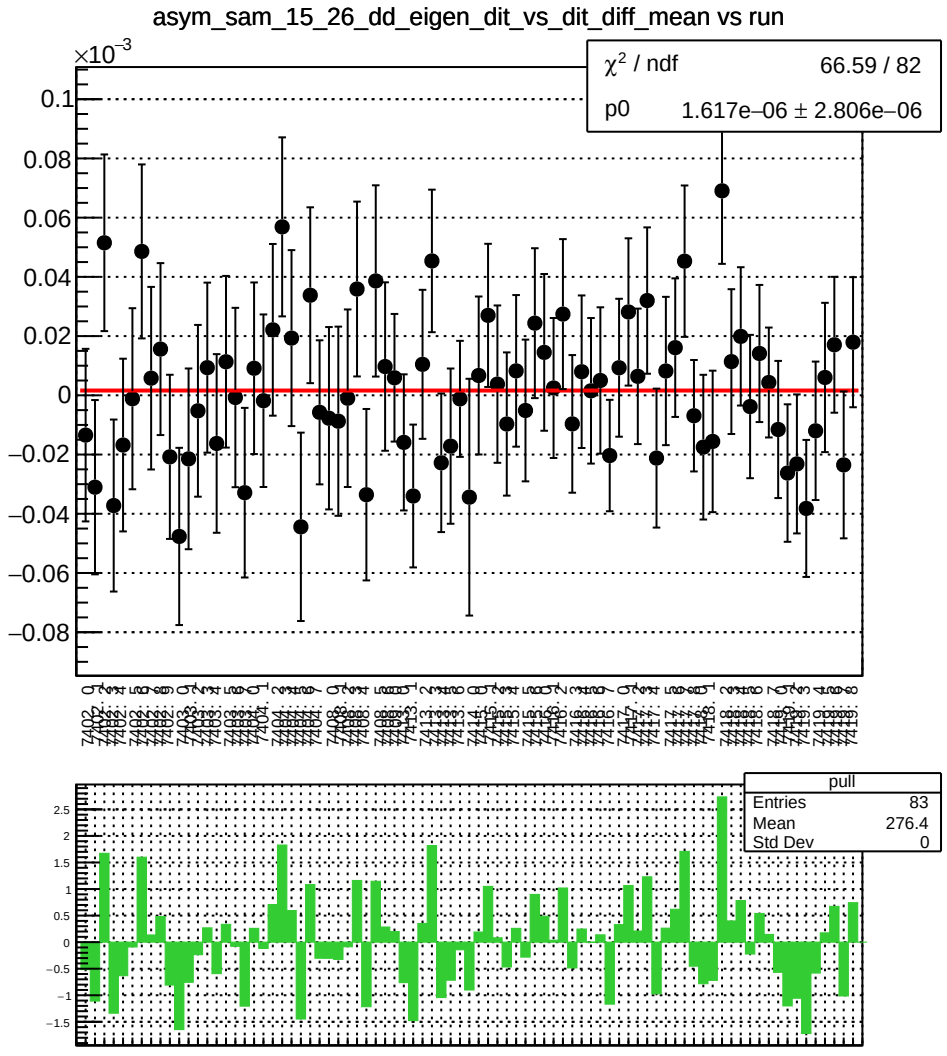

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.408e+06 / 82
p0 2.99e−12 ± 7.239e−15
0.06
0.05
0.04
0.03
0.02
0.01
0

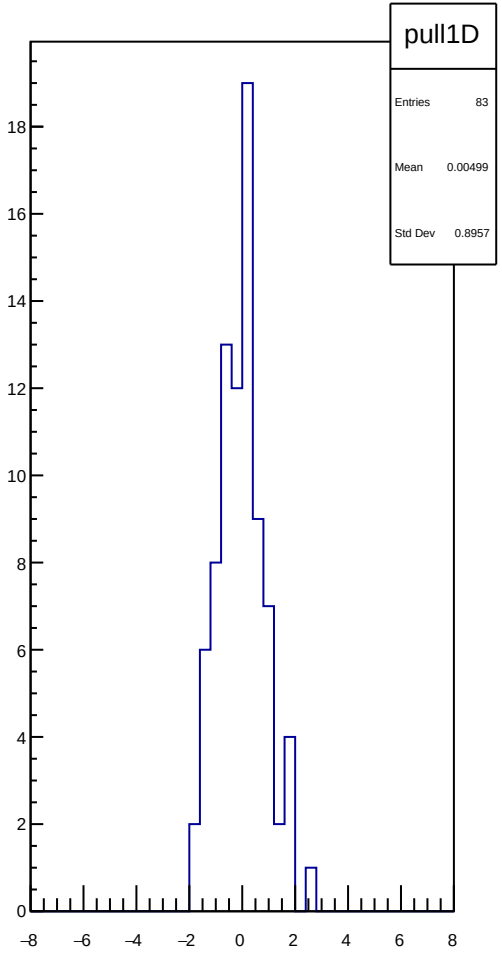

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.86 / 82
p0 −0.04874 ± 0.02794
pull
Entries 83
Mean 141.5
Std Dev 0
pull1D
Entries 83
Mean −0.01036
Std Dev 0.8349

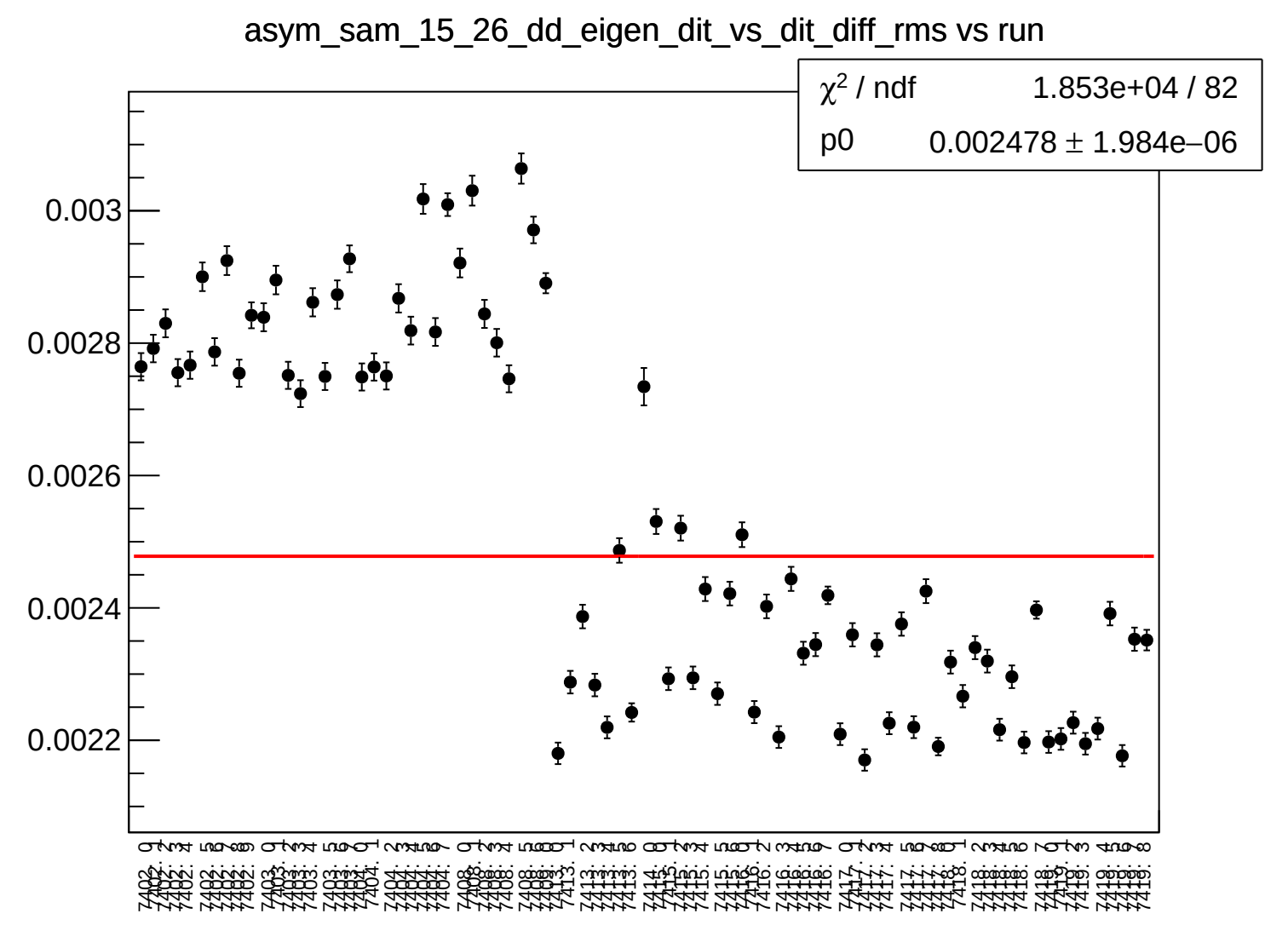

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.249e+05 / 82
p0 23.82 ± 0.01975
50
45
40
35
30
25
20
15

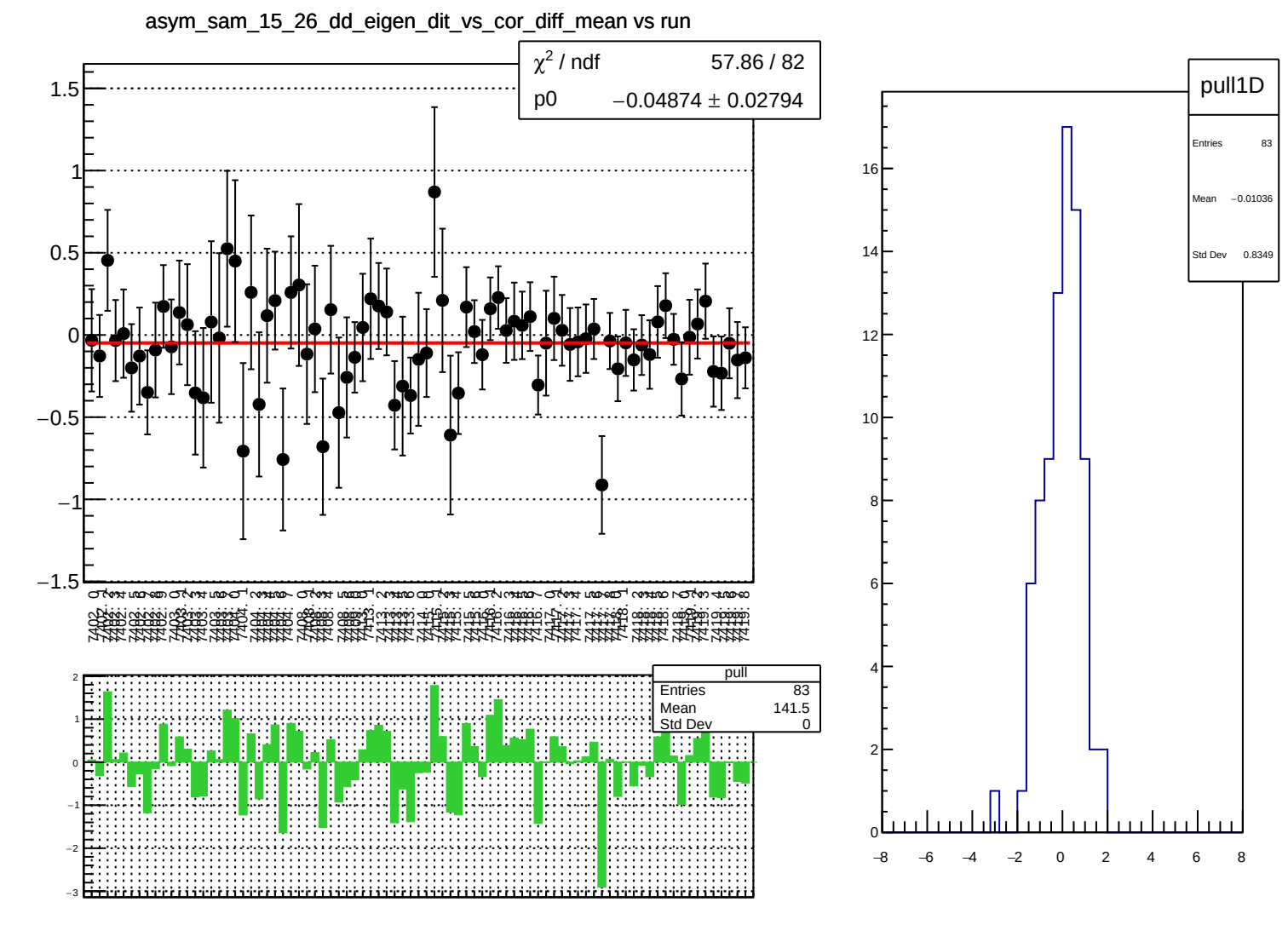

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.86 / 82
p0 −0.04874 ± 0.02794
pull
Entries 83
Mean 141.5
Std Dev 0
pull1D
Entries 83
Mean −0.01036
Std Dev 0.8349

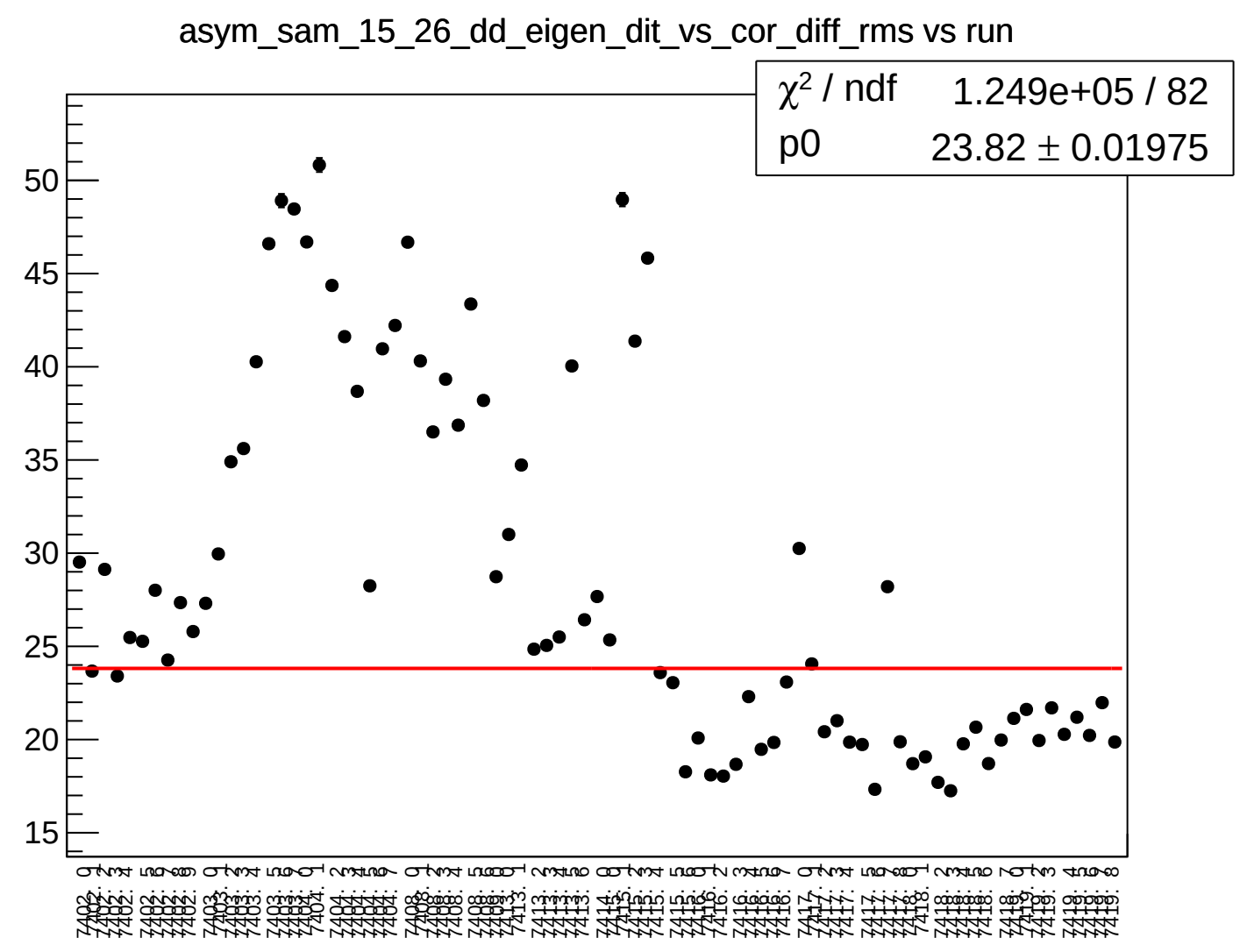

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.249e+05 / 82
p0 23.82 ± 0.01975
50
45
40
35
30
25
20
15

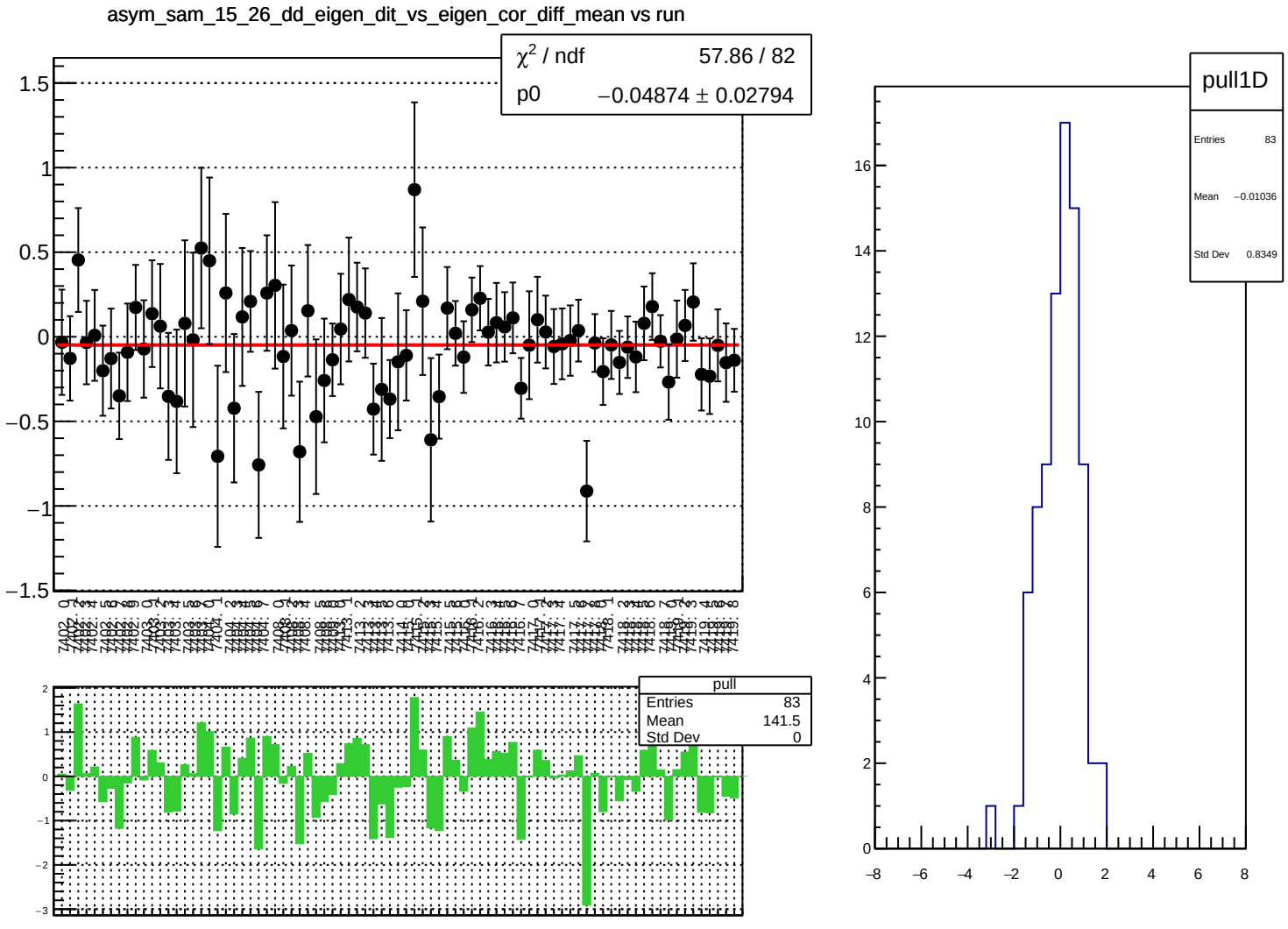

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.59 / 82
p0 1.617e−06 ± 2.806e−06
pull
Entries 83
Mean 276.4
Std Dev 0

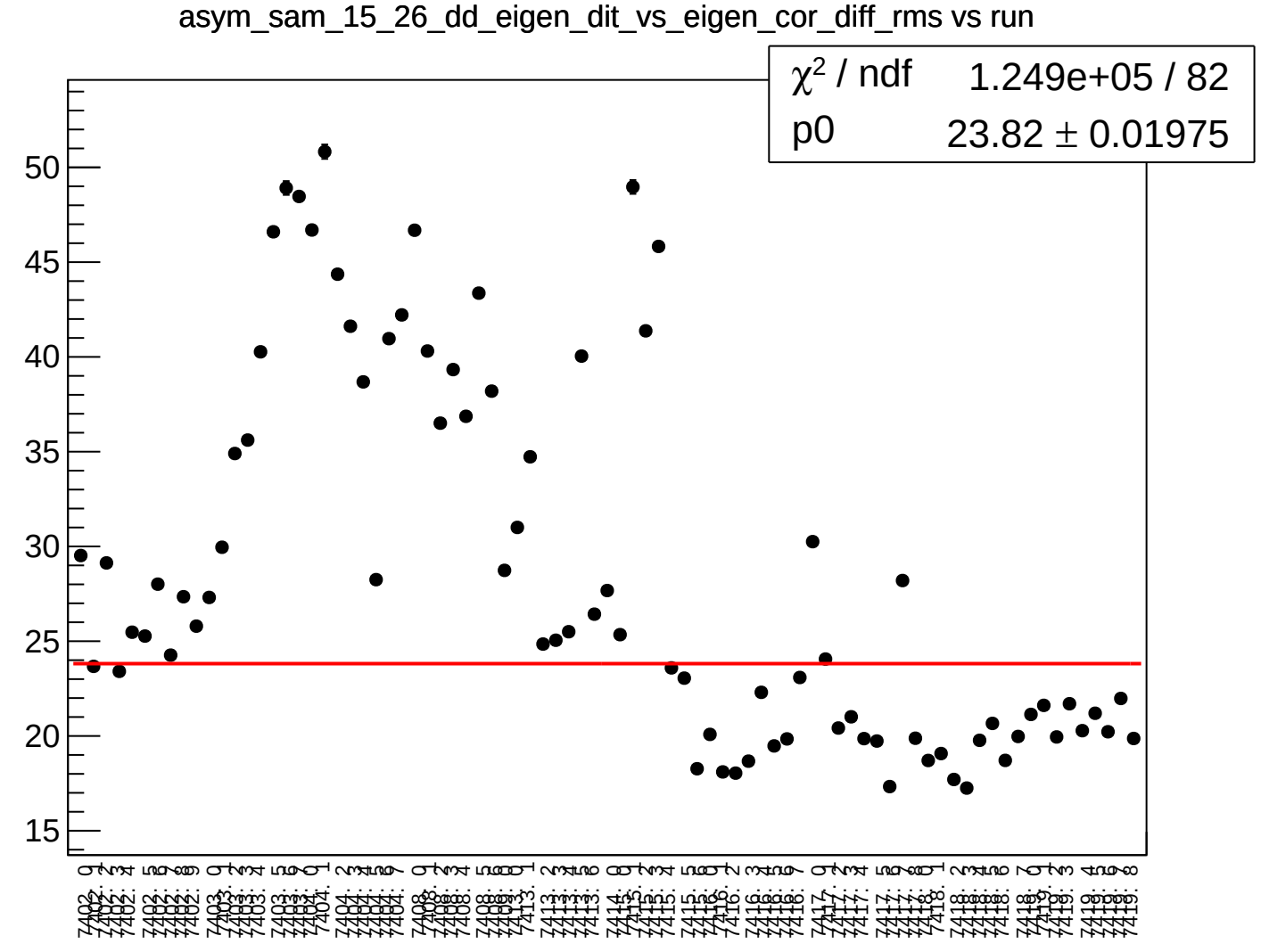

pull1D
Entries 83
Mean 0.00499
Std Dev 0.8957

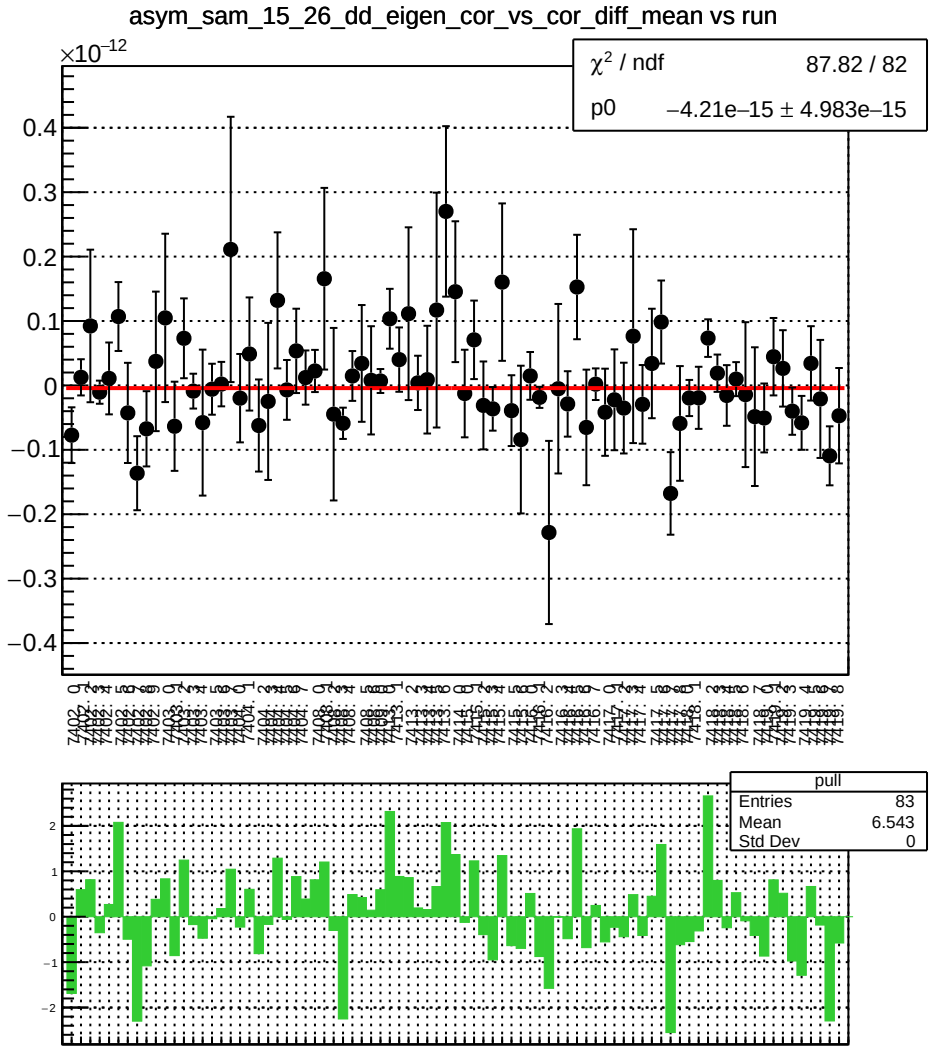

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.853e+04 / 82
p0 0.002478 ± 1.984e−06
0.003
0.0028
0.0026
0.0024
0.0022

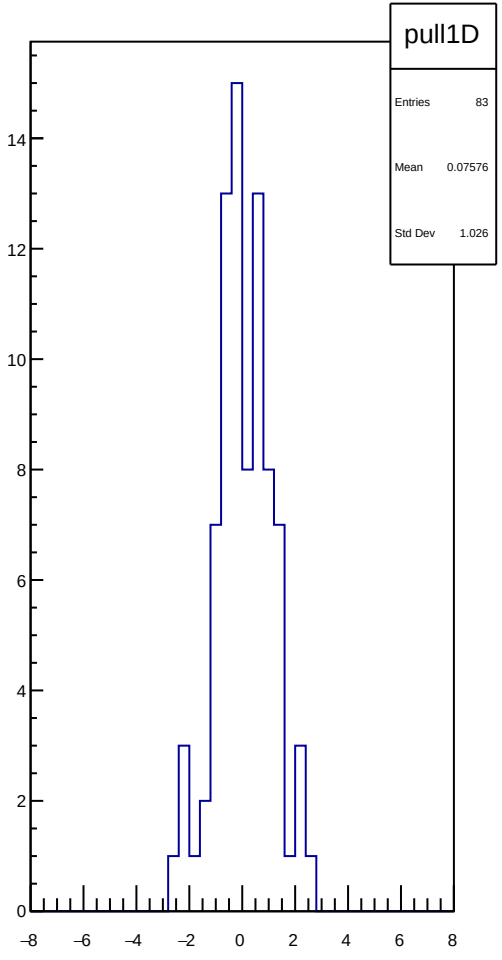

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.86 / 82
p0 −0.04874 ± 0.02794
pull
Entries 83
Mean 141.5
Std Dev 0
pull1D
Entries 83
Mean −0.01036
Std Dev 0.8349

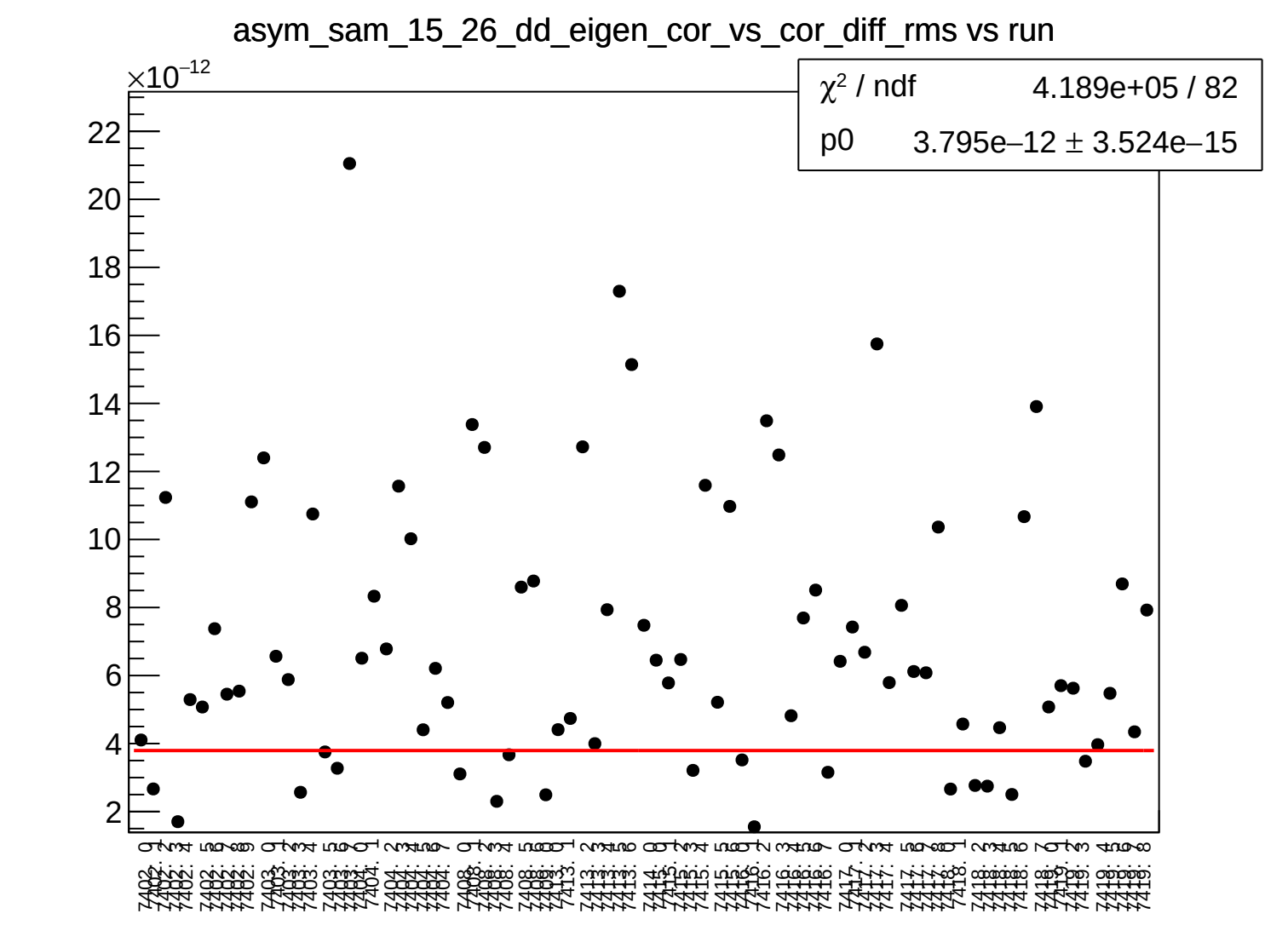

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.249e+05 / 82
p0 23.82 ± 0.01975
50
45
40
35
30
25
20
15

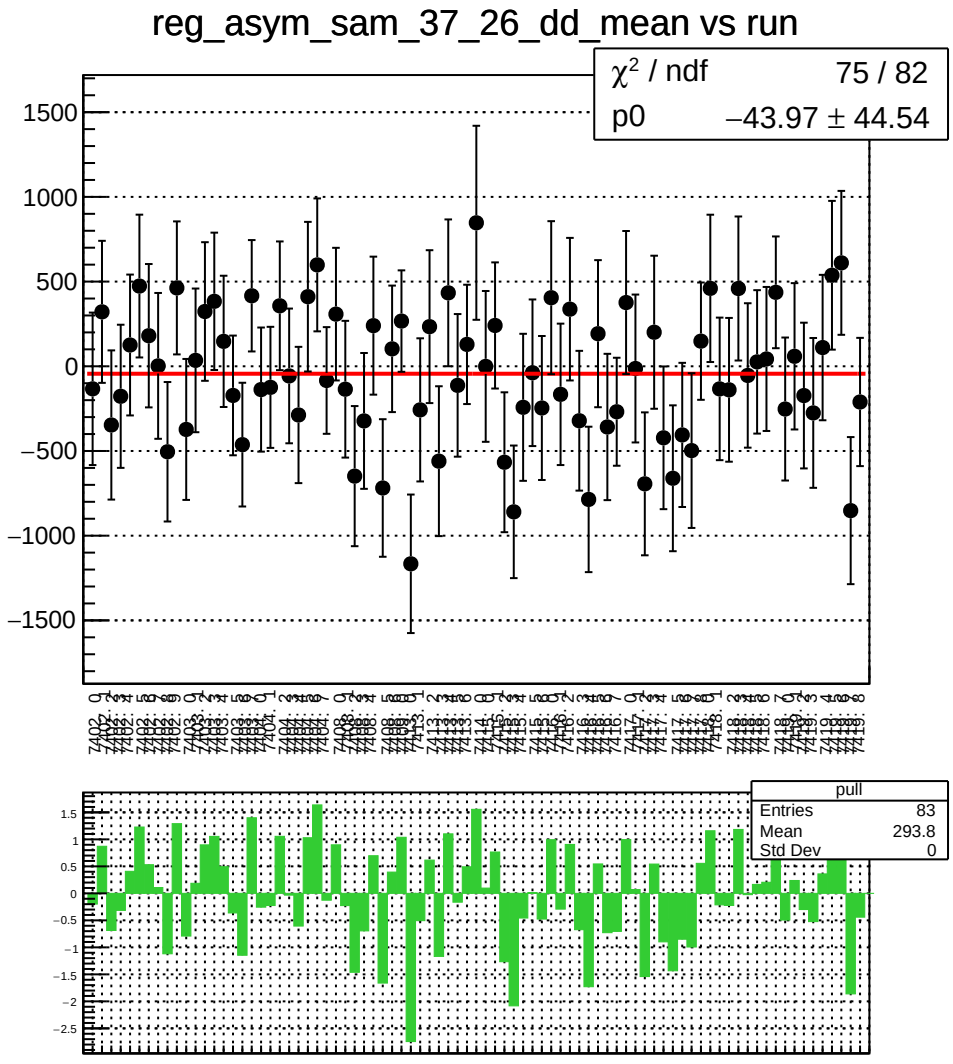

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.86 / 82
p0 −0.04874 ± 0.02794
pull
Entries 83
Mean 141.5
Std Dev 0
pull1D
Entries 83
Mean −0.01036
Std Dev 0.8349

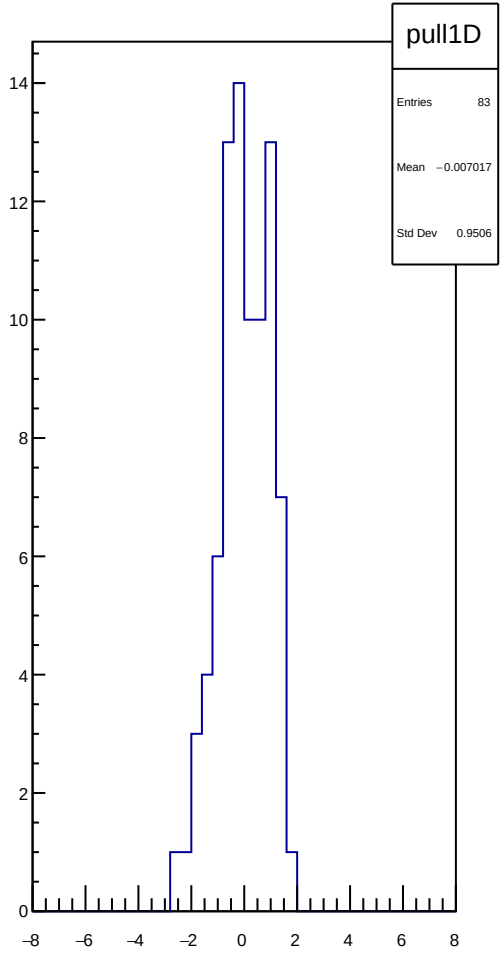

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.249e+05 / 82
p0 23.82 ± 0.01975
50
45
40
35
30
25
20
15

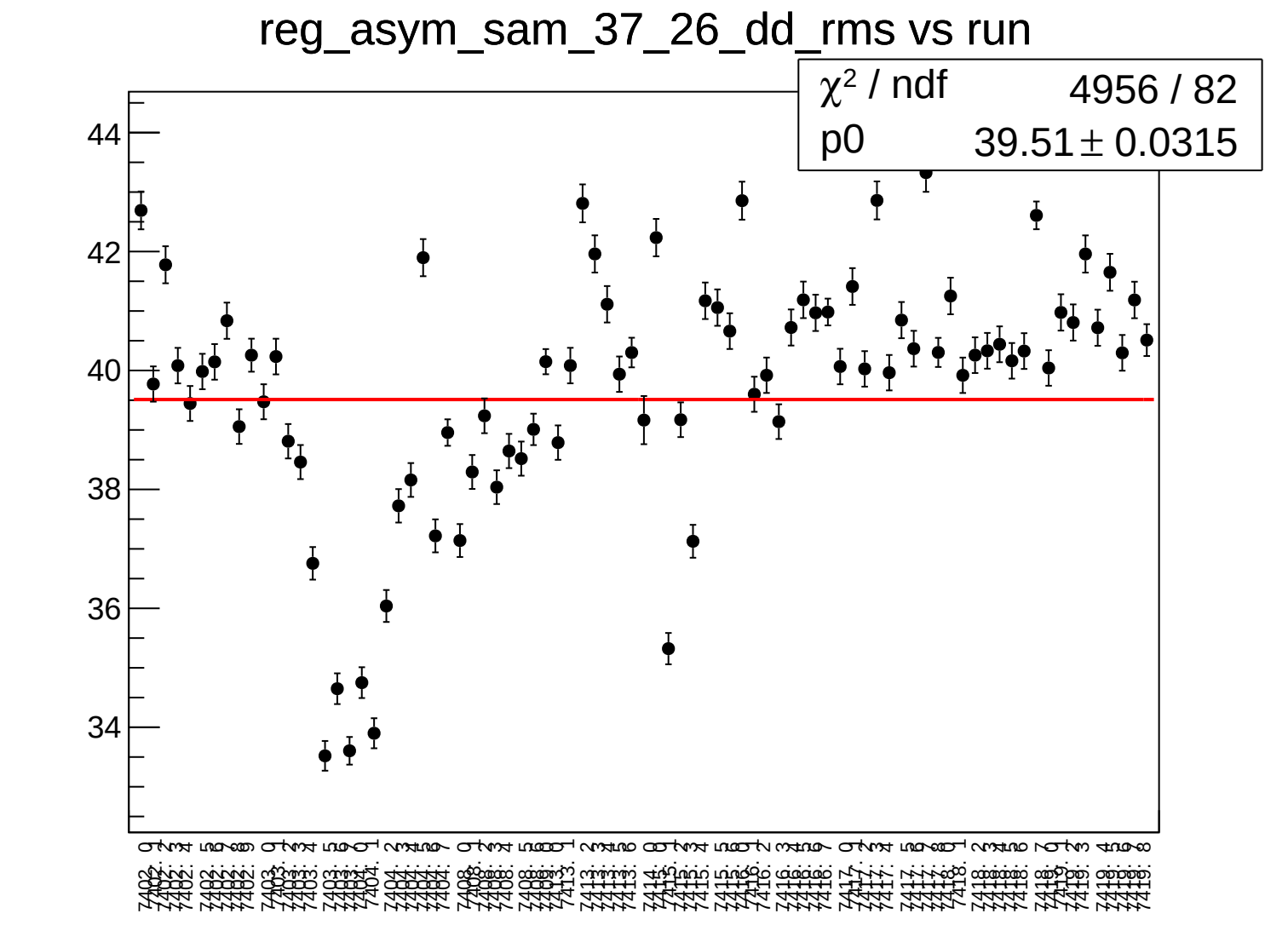

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.82 / 82
p0 −4.21e−15 ± 4.983e−15
pull
Entries 83
Mean 6.543
Std Dev 0

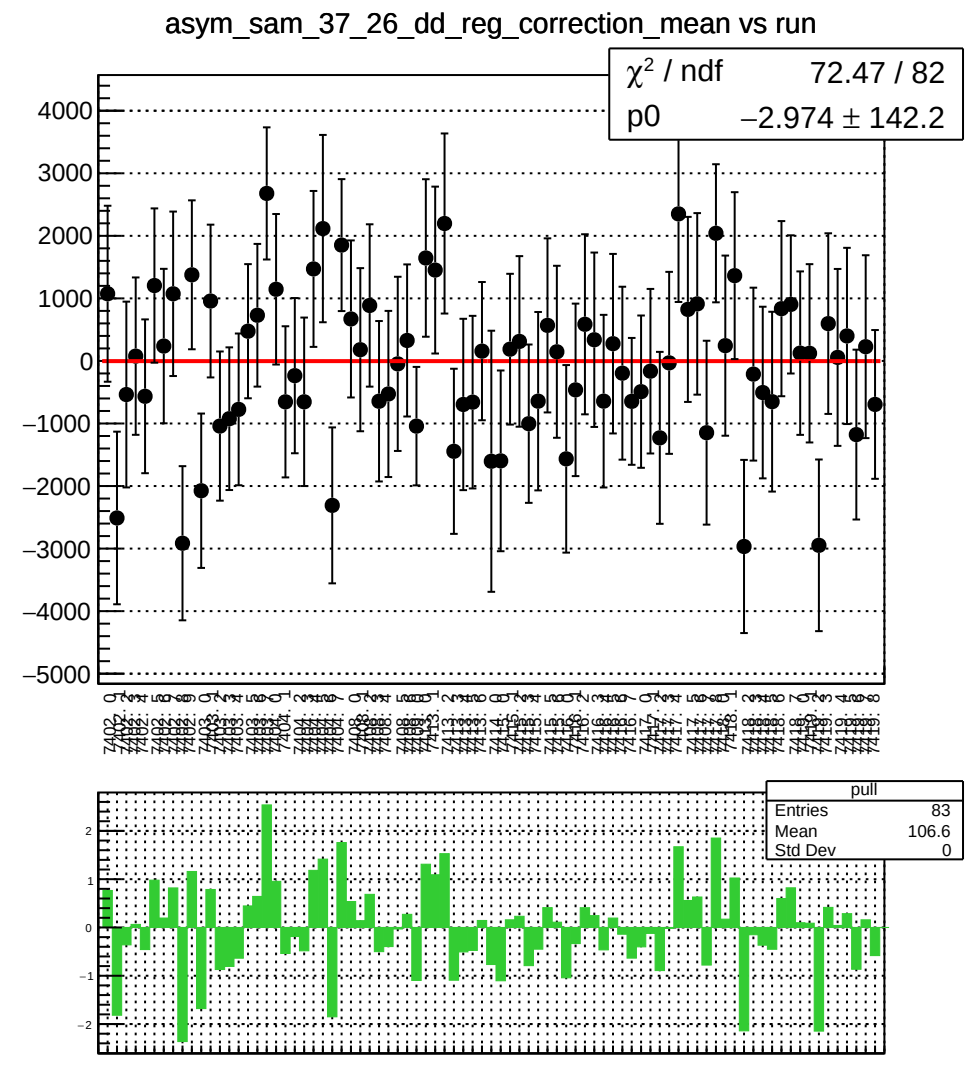

pull1D
Entries 83
Mean 0.07576
Std Dev 1.026

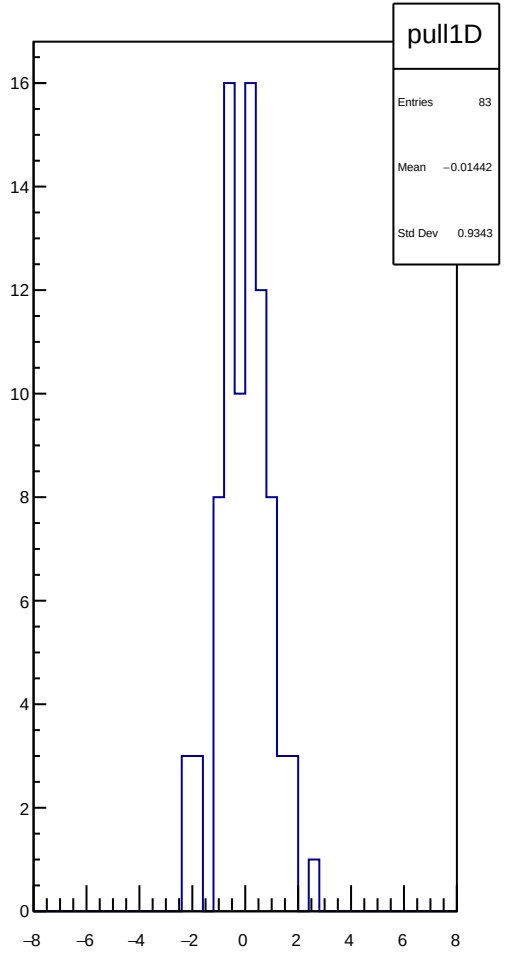

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.189e+05 / 82
p0 3.795e−12 ± 3.524e−15
22
20
18
16
14
12
10
8
6
4
2

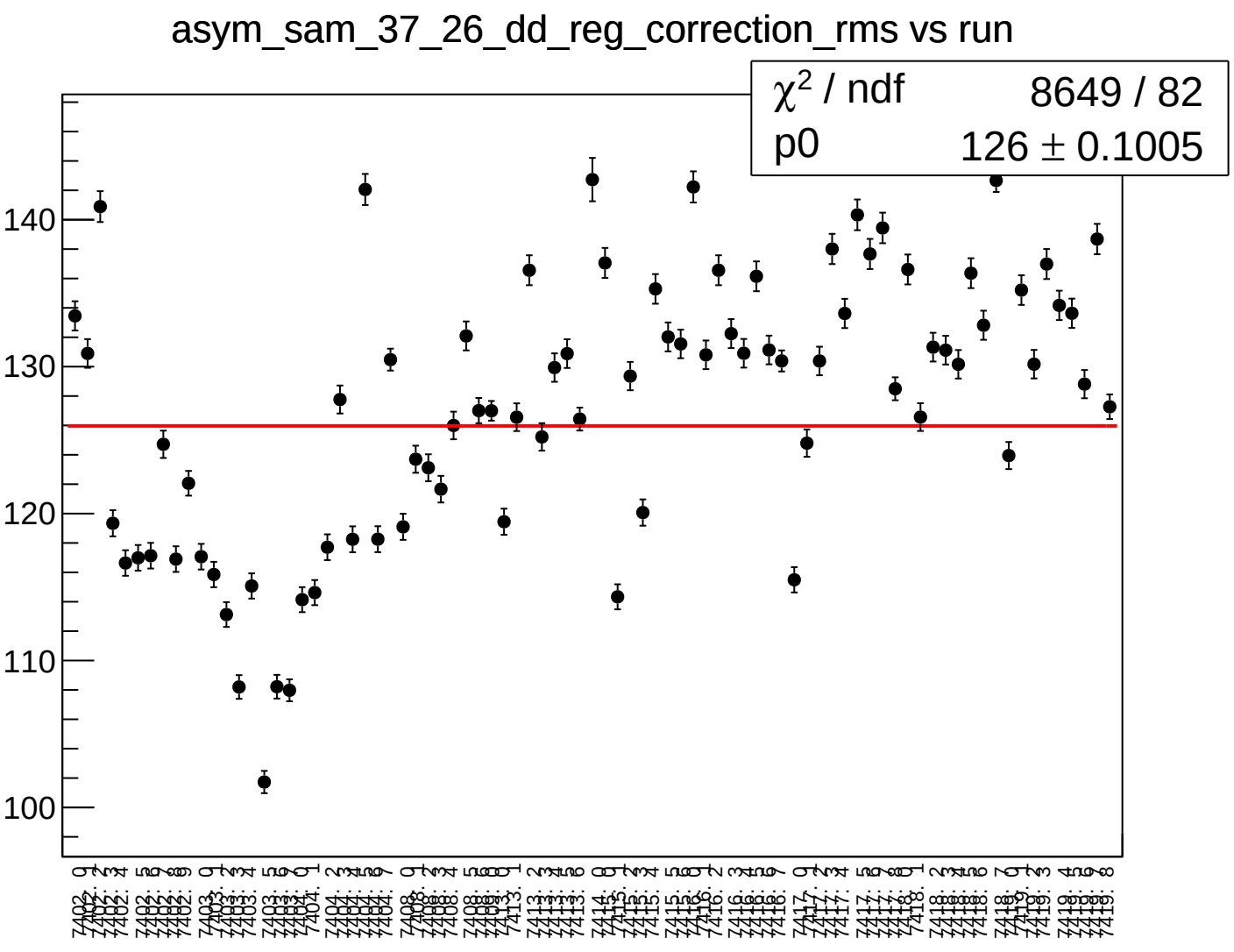

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 75 / 82
p0 −43.97 ± 44.54
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean 293.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

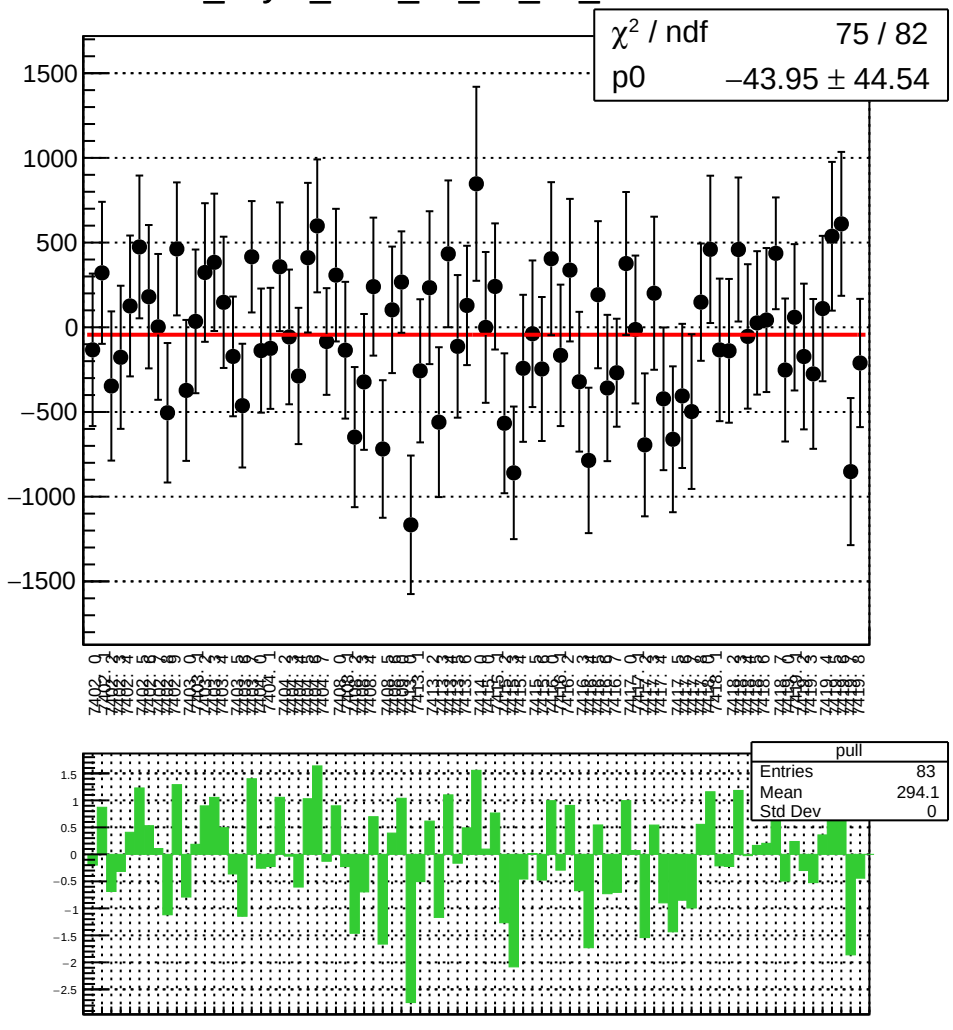

pull1D
Entries 83
Mean −0.007017
Std Dev 0.9506
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

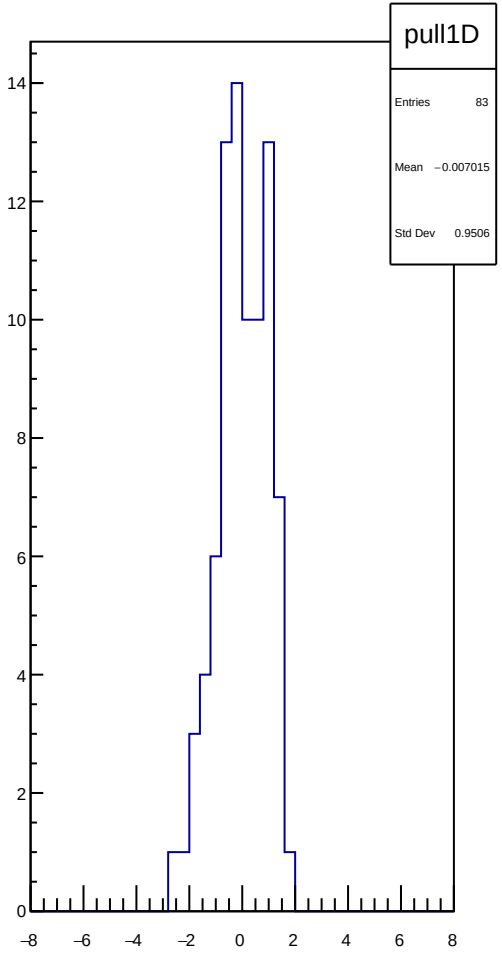

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 4956 / 82
p0 39.51 ± 0.0315
44
42
40
38
36
34

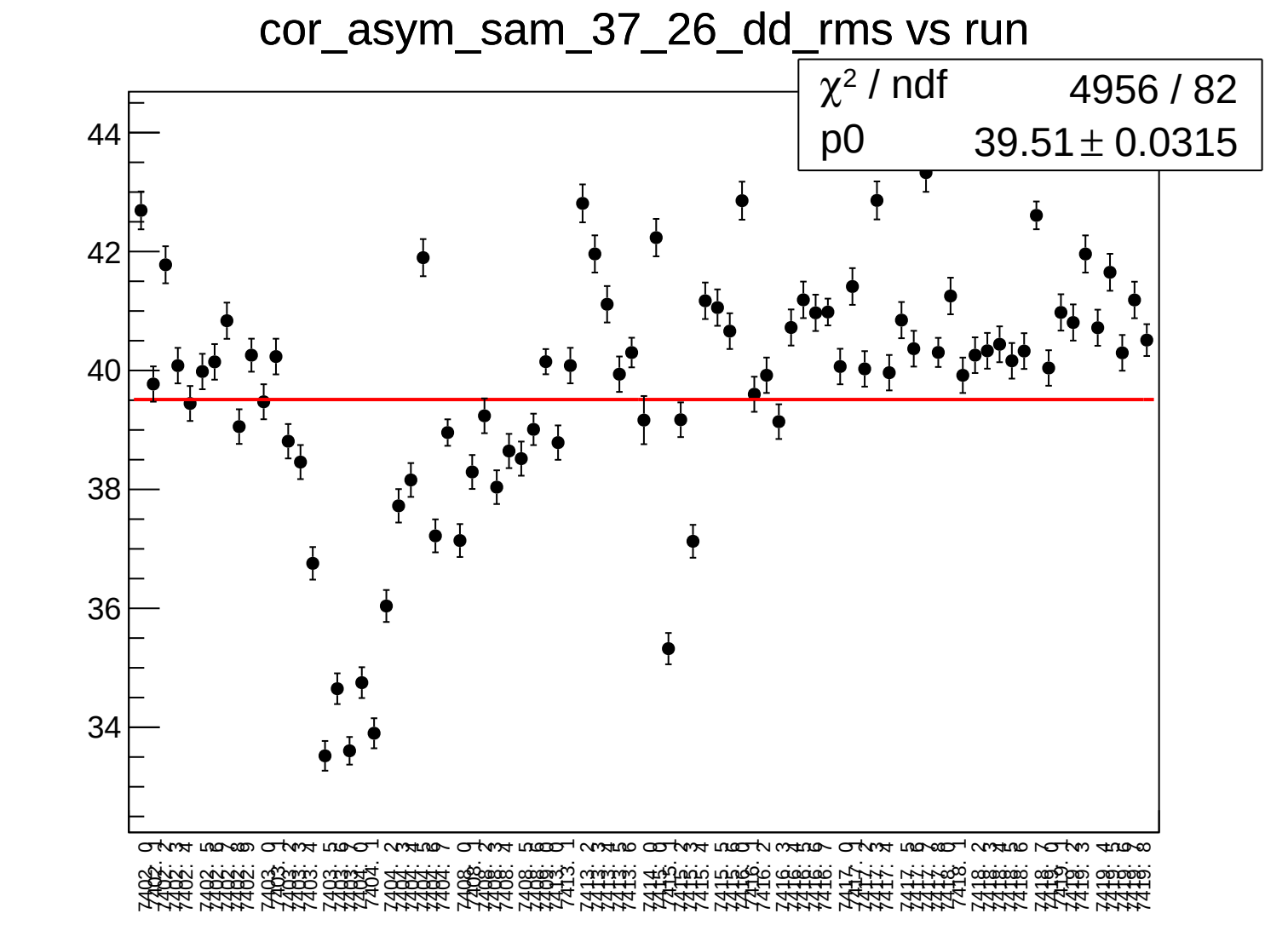

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 72.47 / 82
p0 −2.974 ± 142.2
pull
Entries 83
Mean 106.6
Std Dev 0

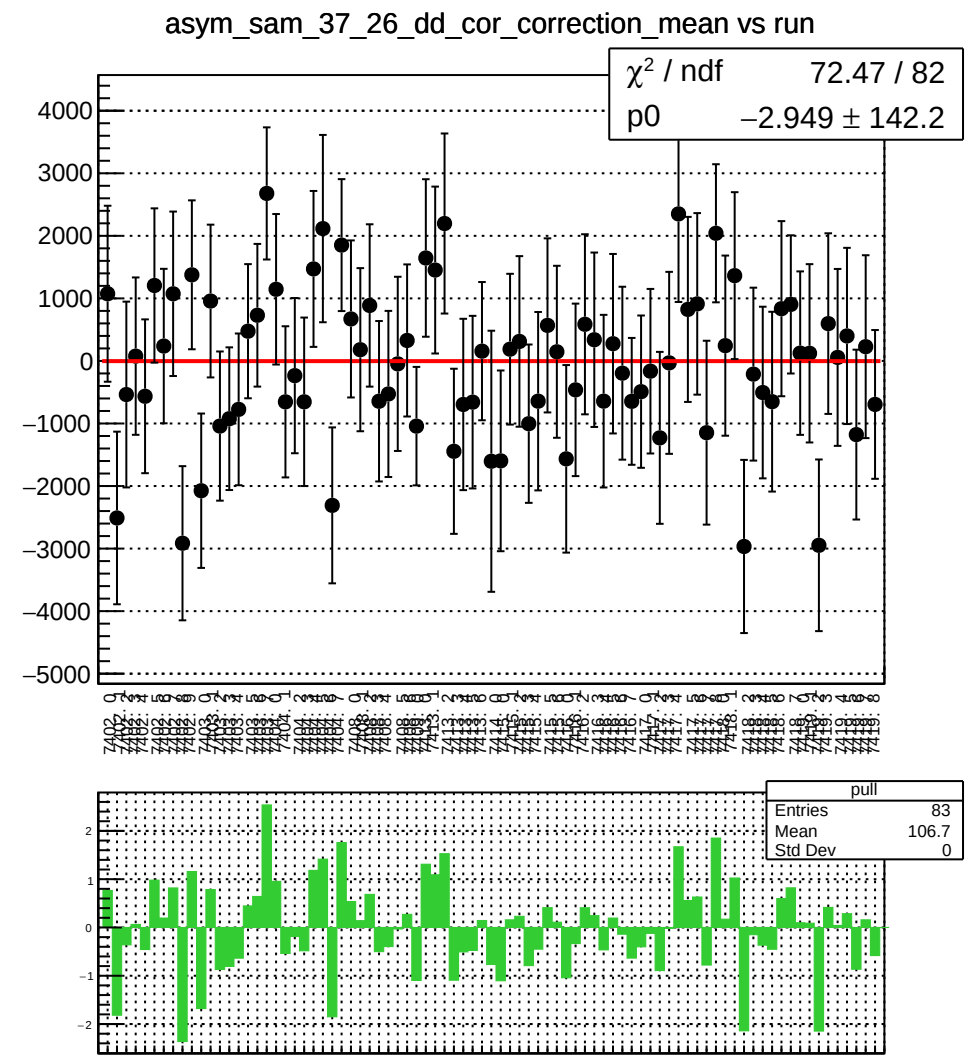

pull1D
Entries 83
Mean −0.01442
Std Dev 0.9343

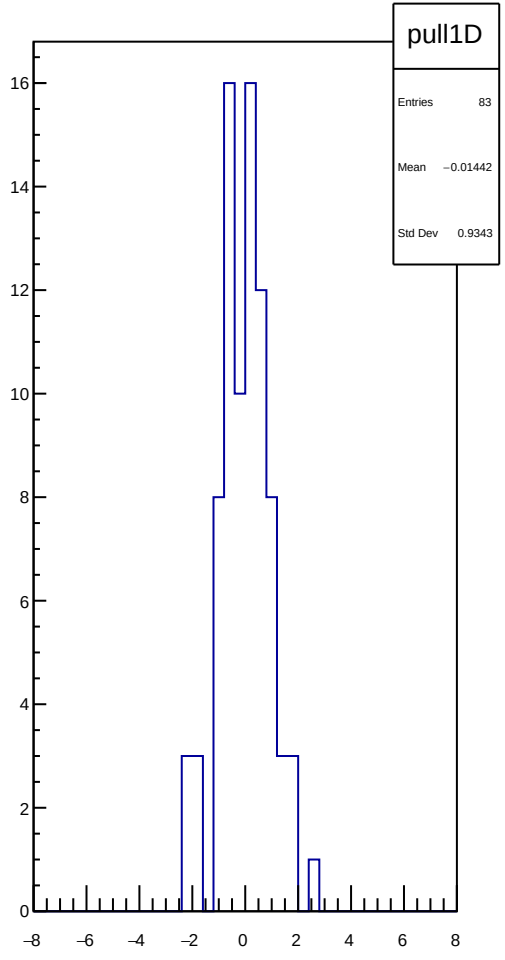

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 8649 / 82
p0 126 ± 0.1005
140
130
120
110
100

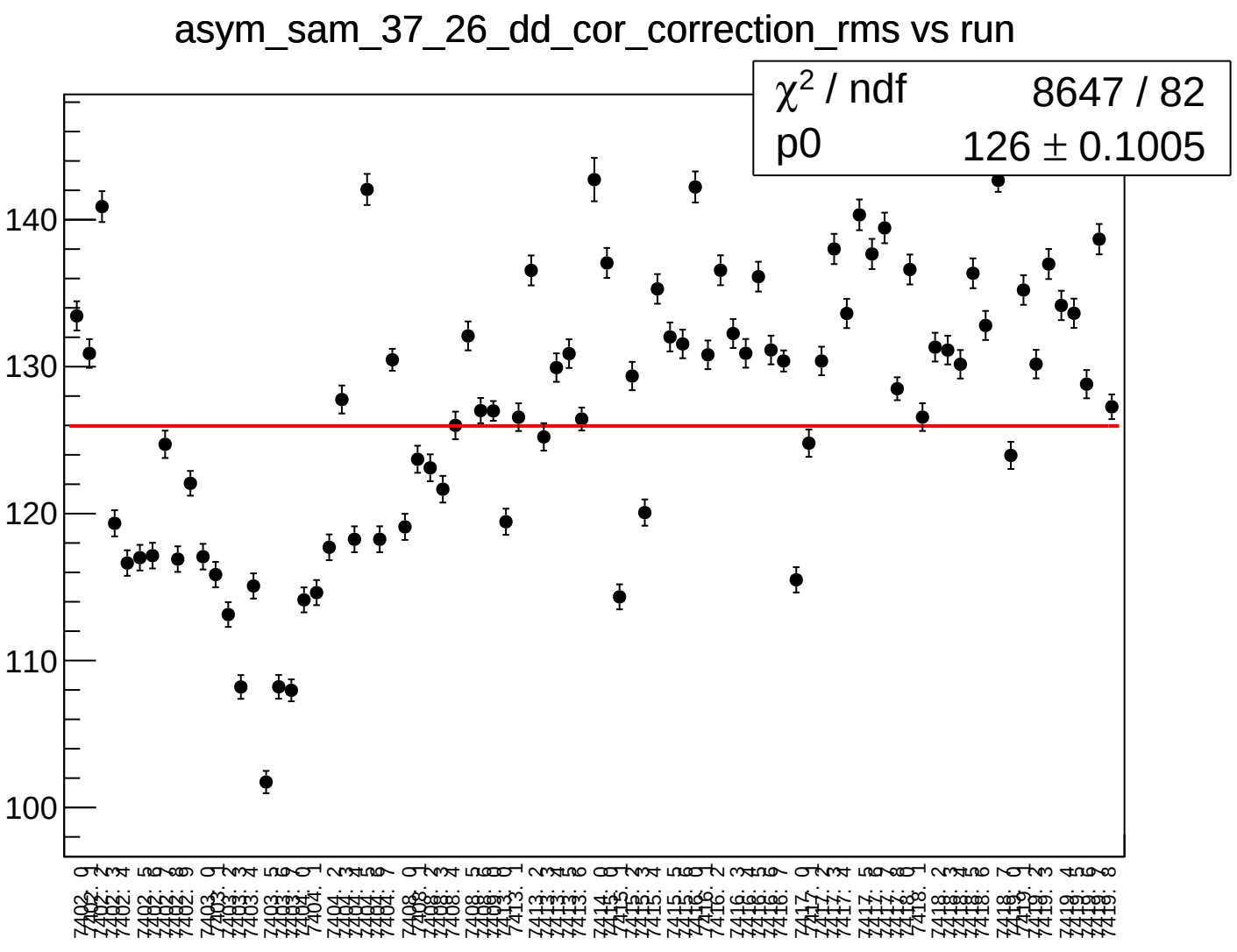

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 75 / 82
p0 −43.95 ± 44.54
pull
Entries 83
Mean 294.1
Std Dev 0

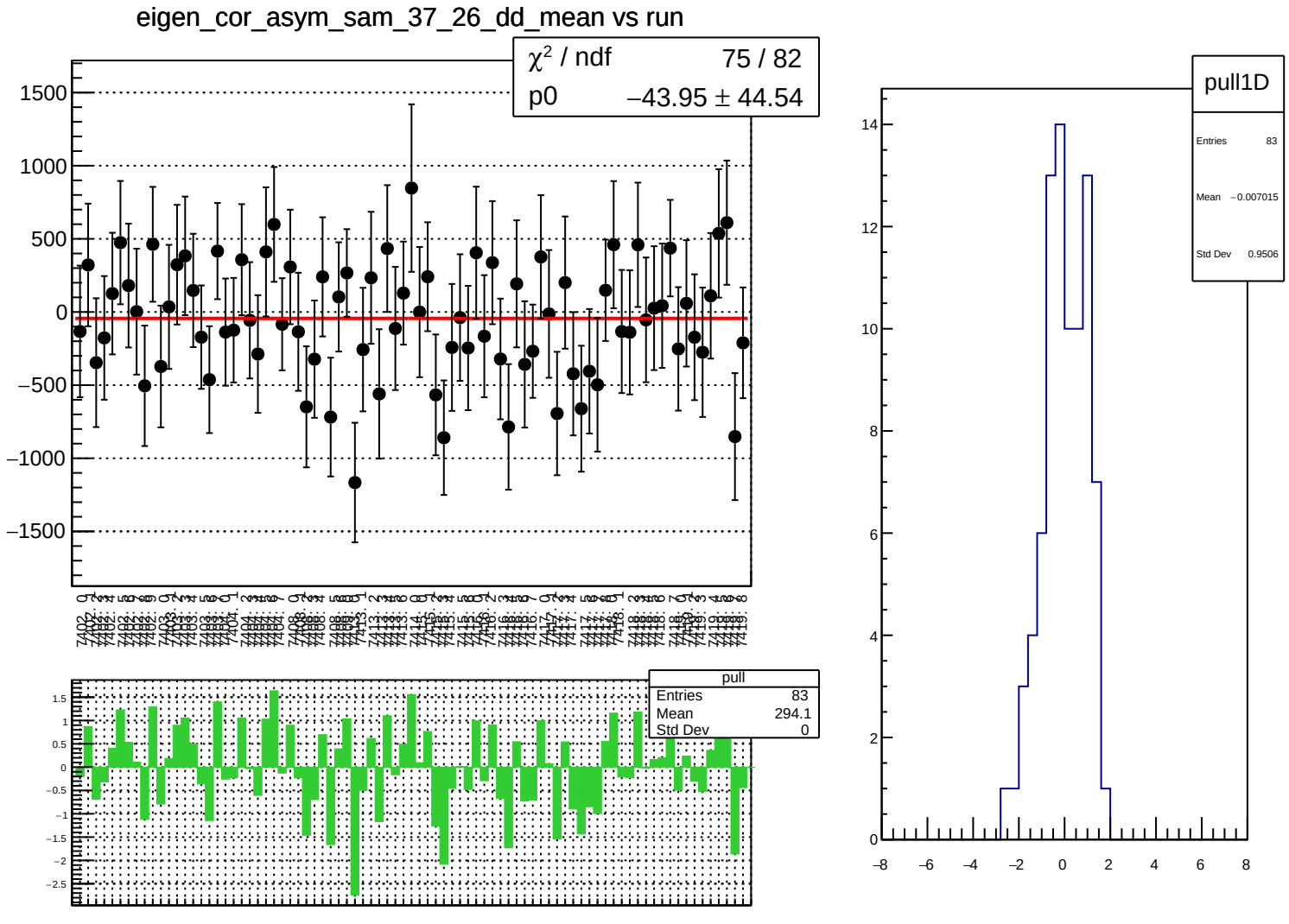

pull1D
Entries 83
Mean −0.007015
Std Dev 0.9506

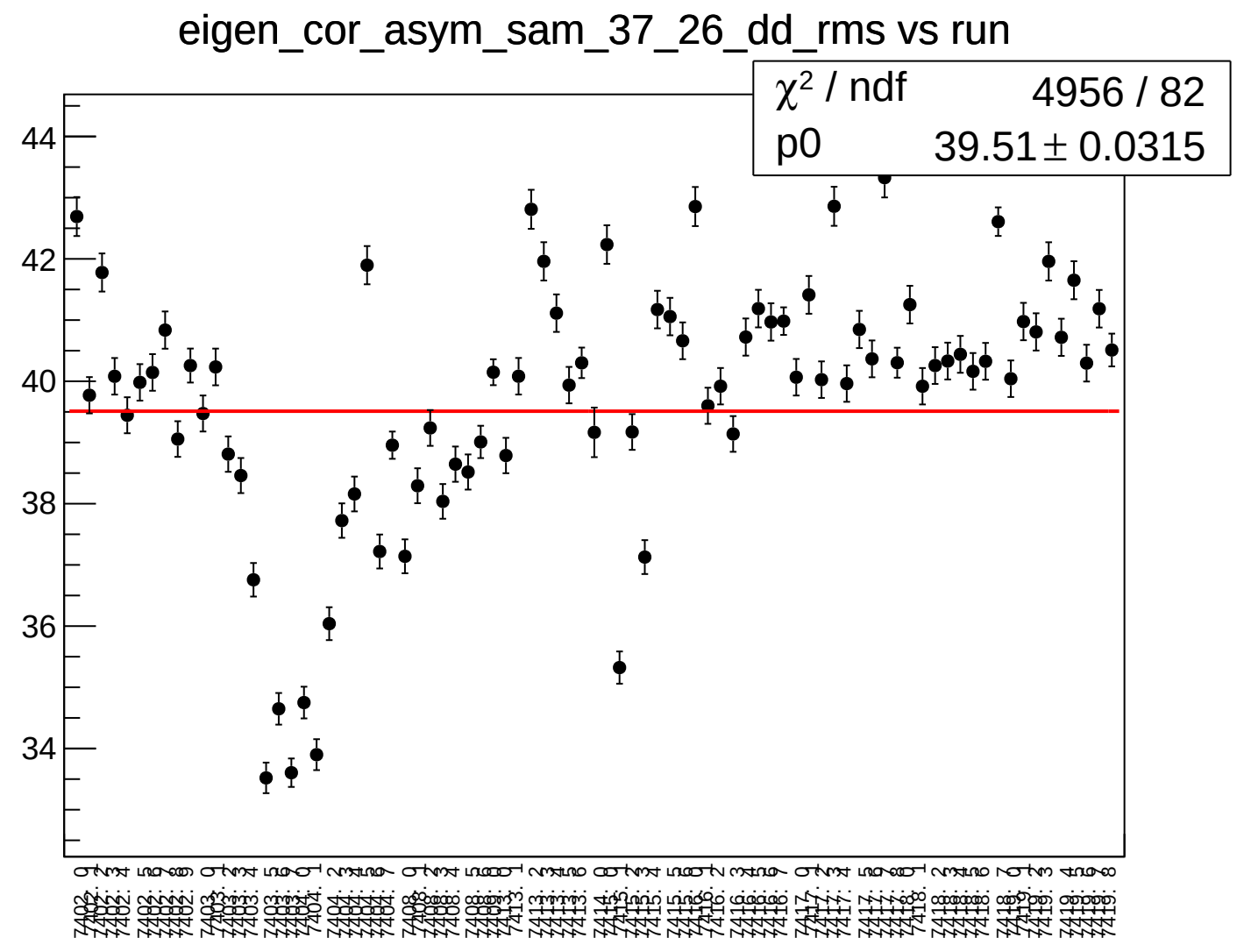

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4956 / 82
p0 39.51 ± 0.0315
44
42
40
38
36
34

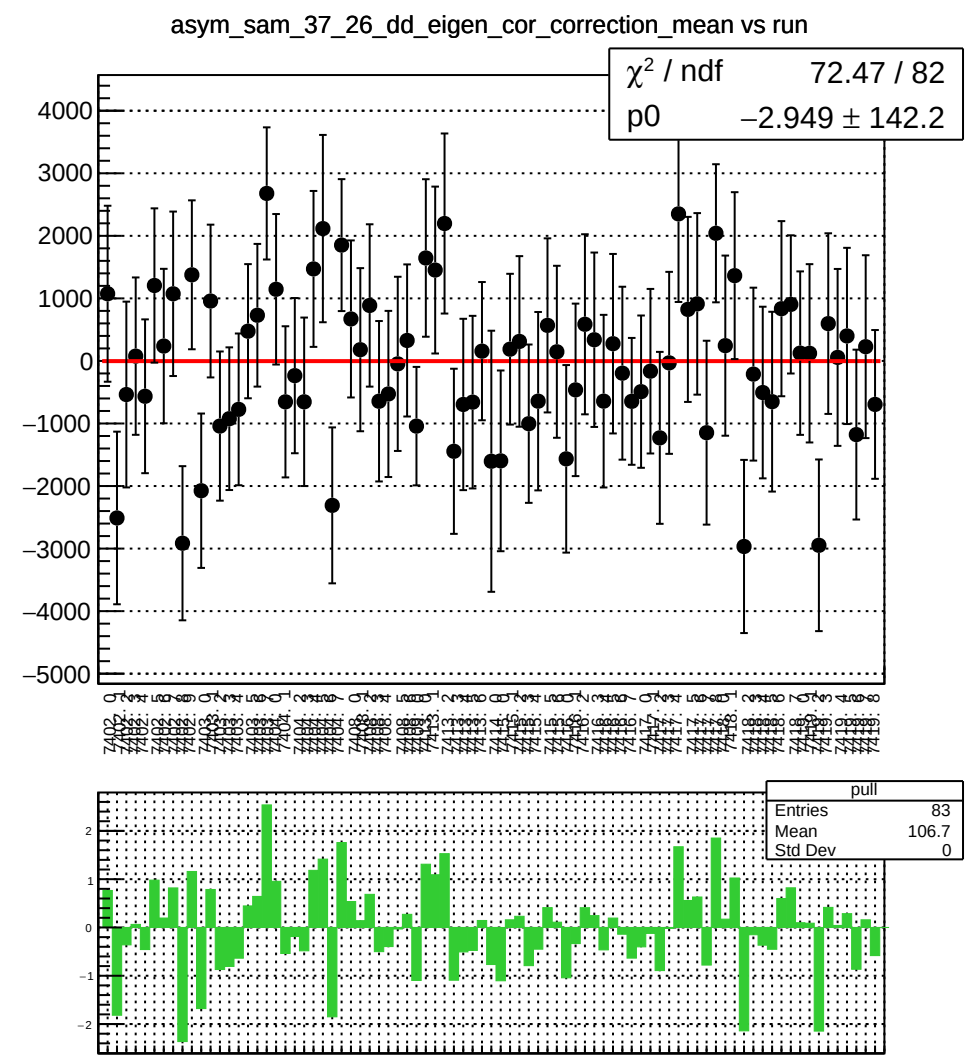

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 72.47 / 82
p0 −2.949 ± 142.2
pull
Entries 83
Mean 106.7
Std Dev 0

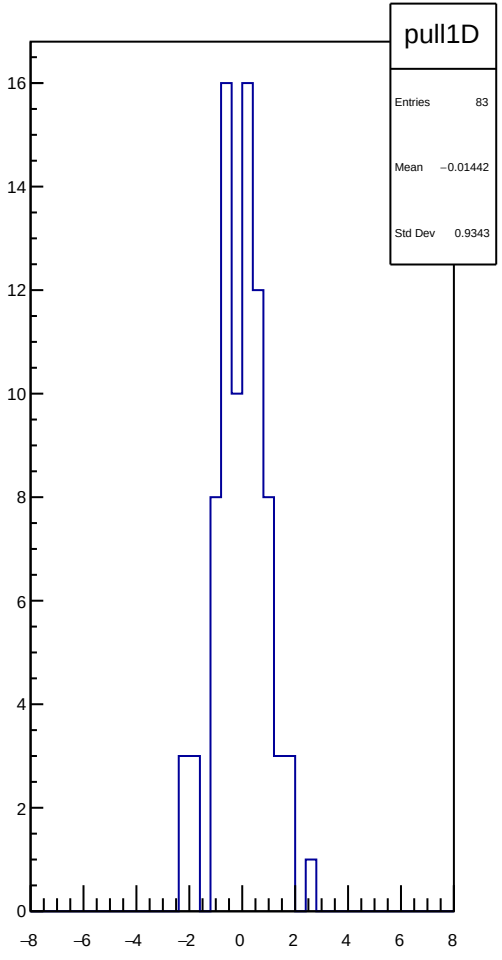

pull1D
Entries 83
Mean −0.01442
Std Dev 0.9343

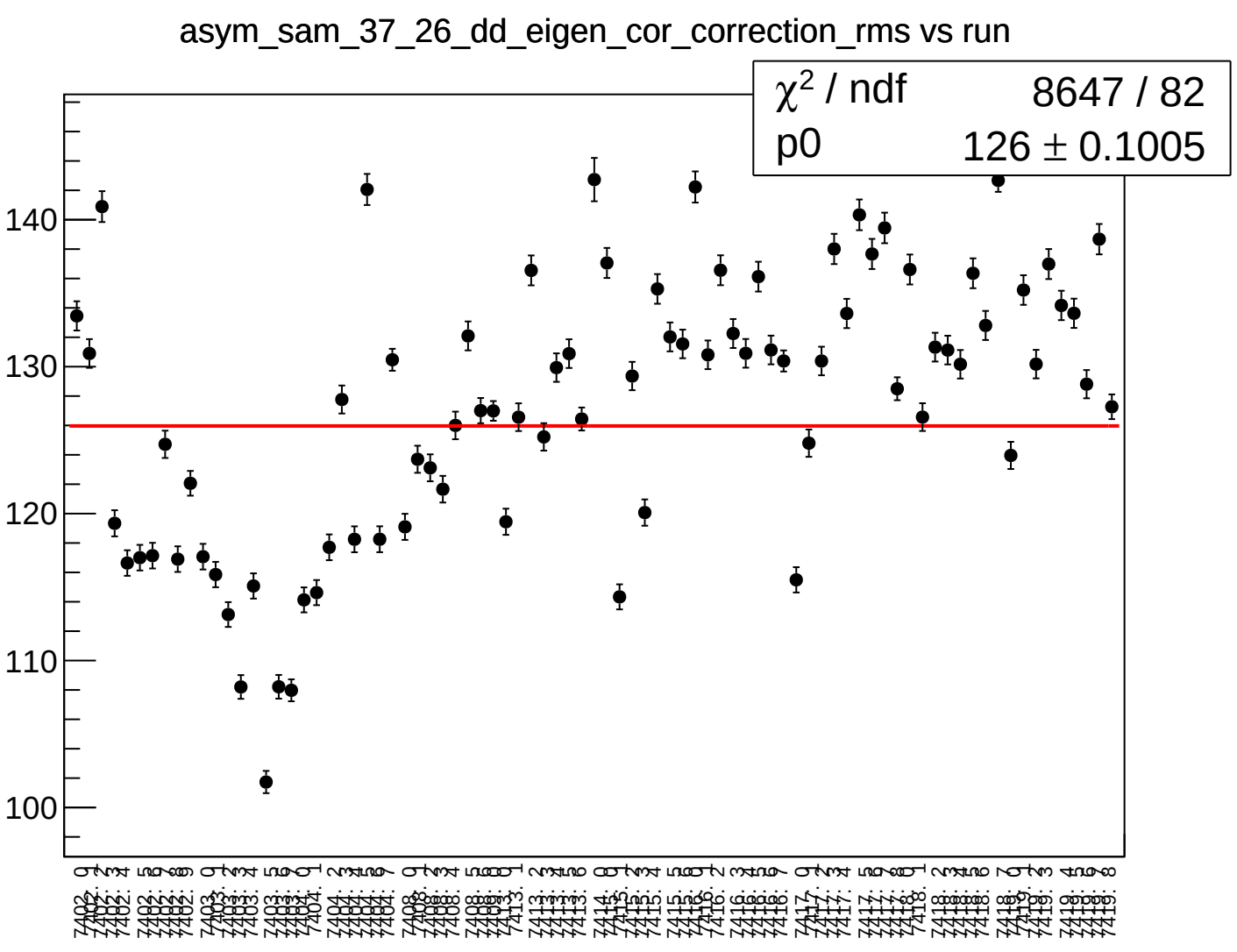

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 8647 / 82
p0 126 ± 0.1005
140
130
120
110
100

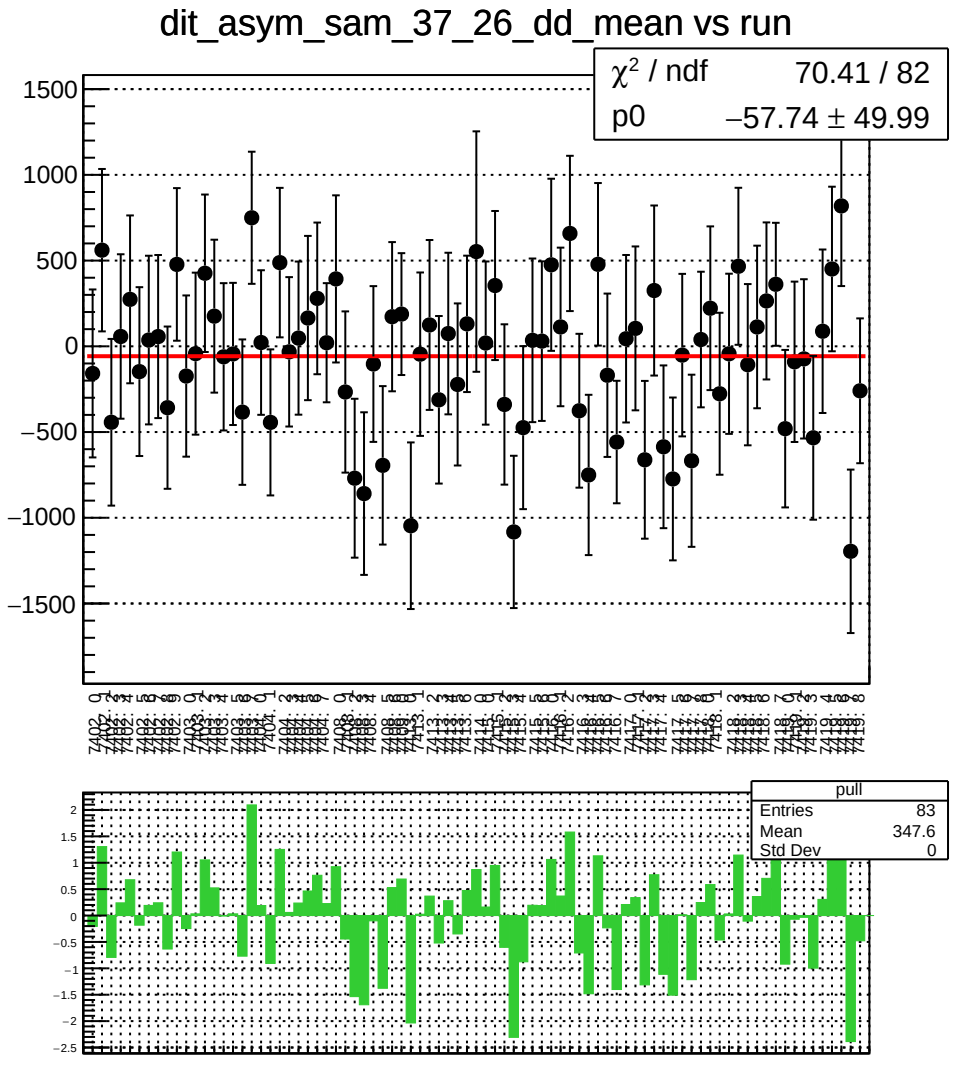

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 75 / 82
p0 −43.95 ± 44.54
pull
Entries 83
Mean 294.1
Std Dev 0
pull1D
Entries 83
Mean −0.007015
Std Dev 0.9506

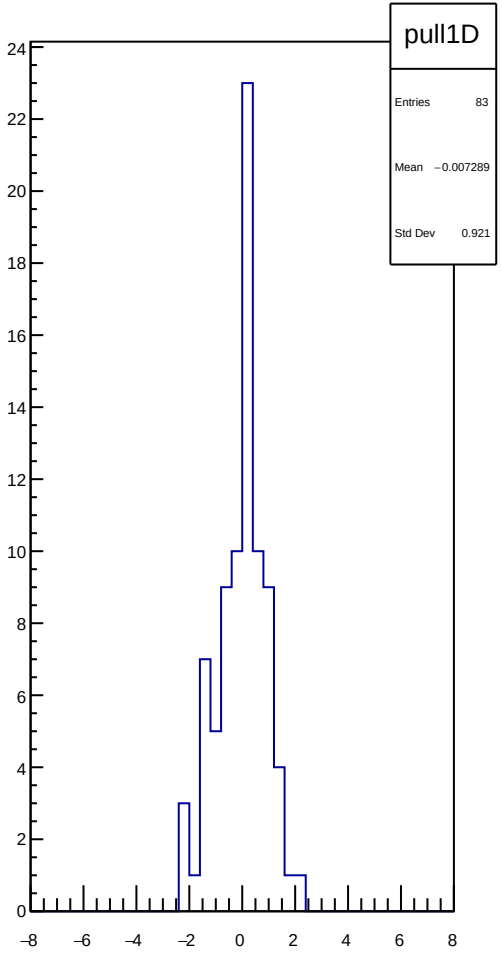

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4956 / 82
p0 39.51 ± 0.0315
44
42
40
38
36
34

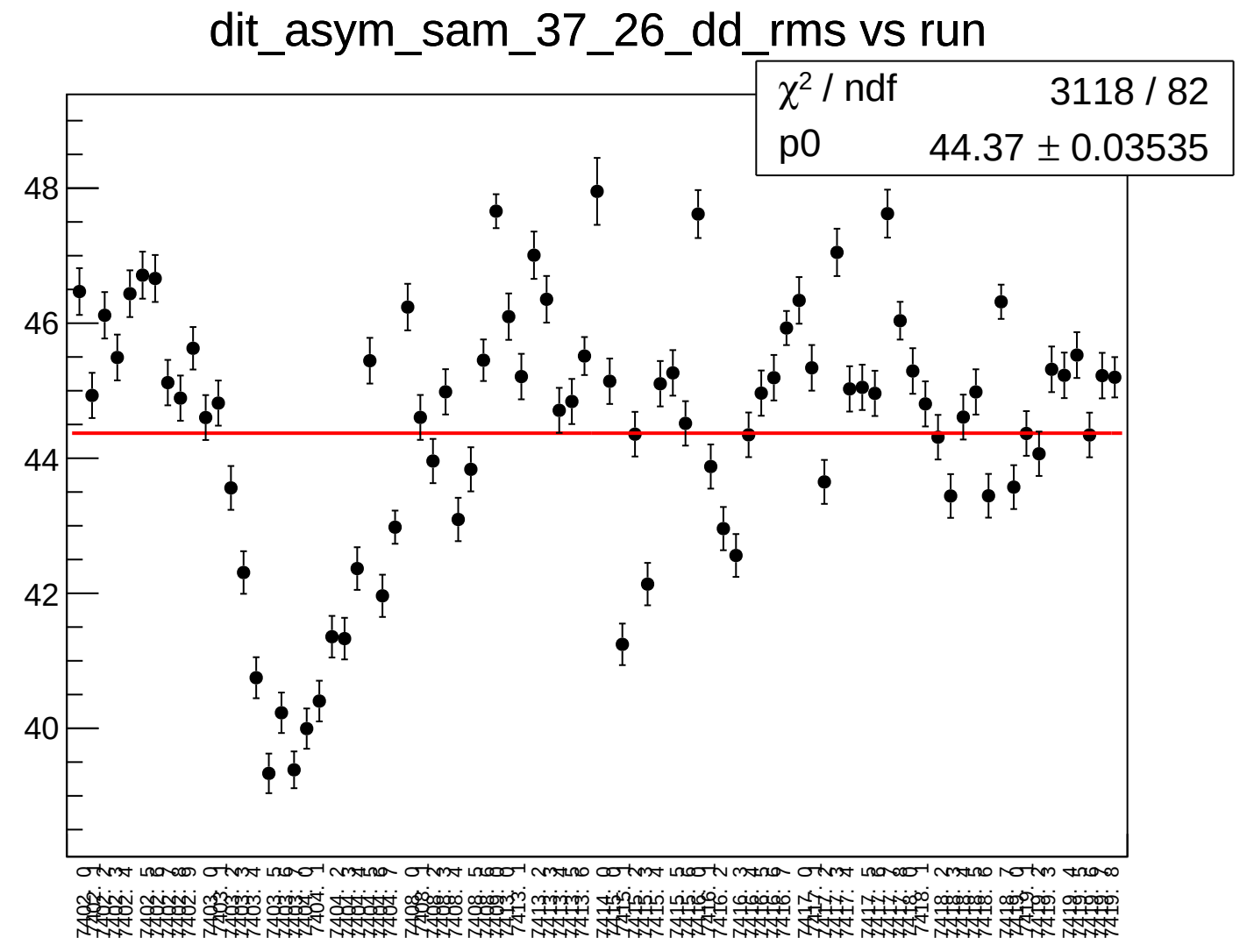

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.47 / 82
p0 −2.949 ± 142.2
pull
Entries 83
Mean 106.7
Std Dev 0

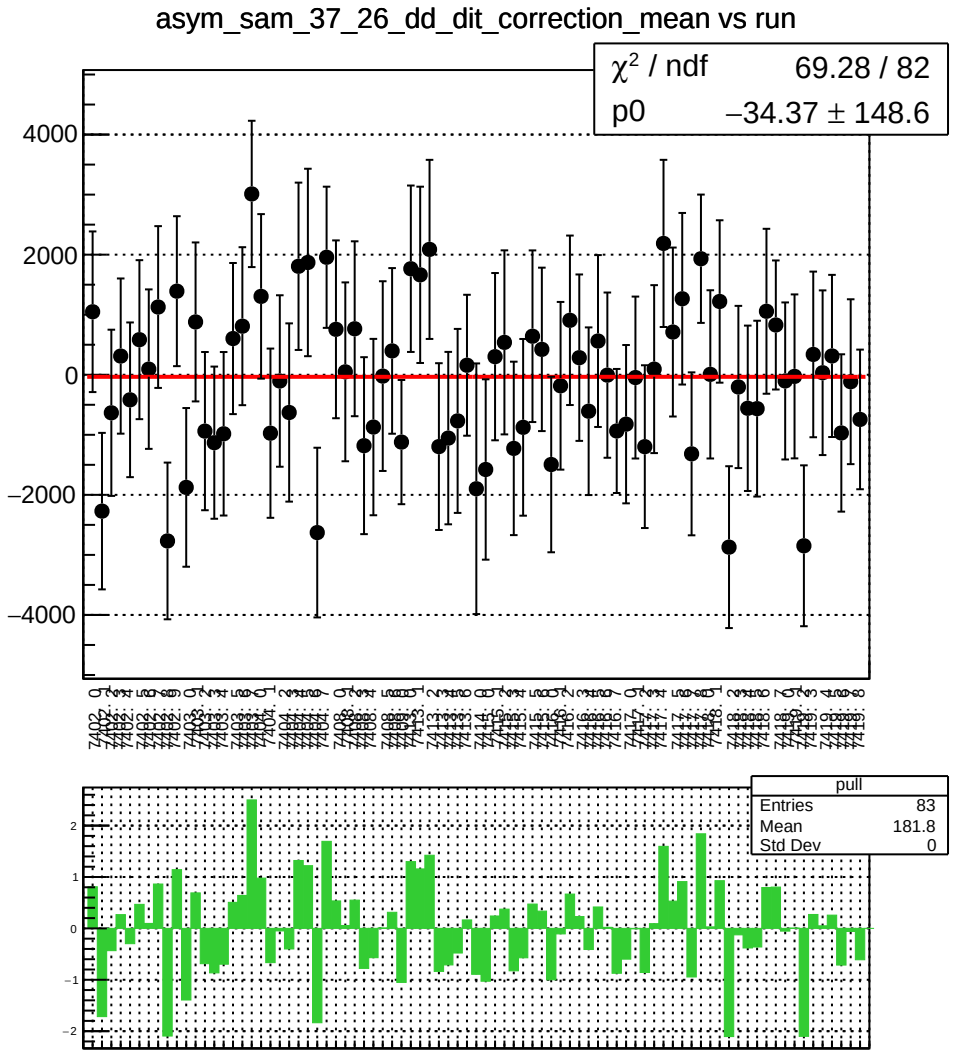

pull1D
Entries 83
Mean −0.01442
Std Dev 0.9343

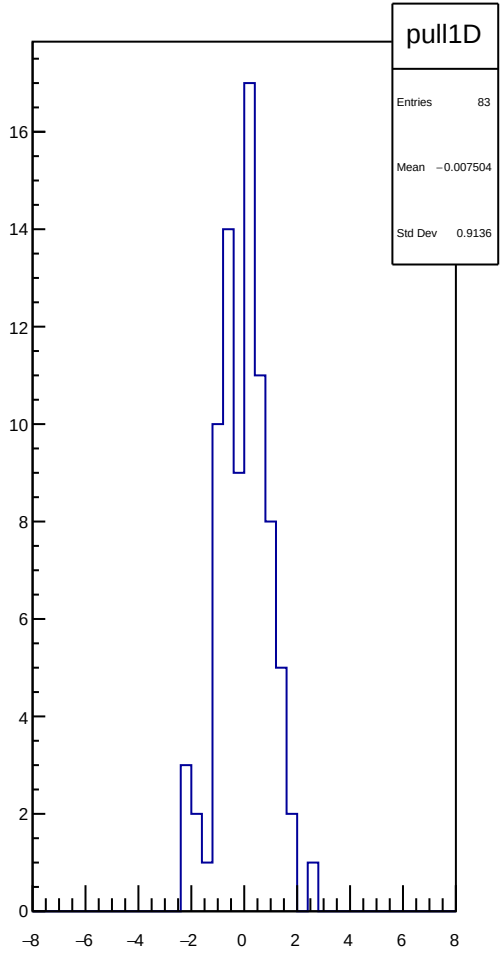

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 8647 / 82
p0 126 ± 0.1005
140
130
120
110
100

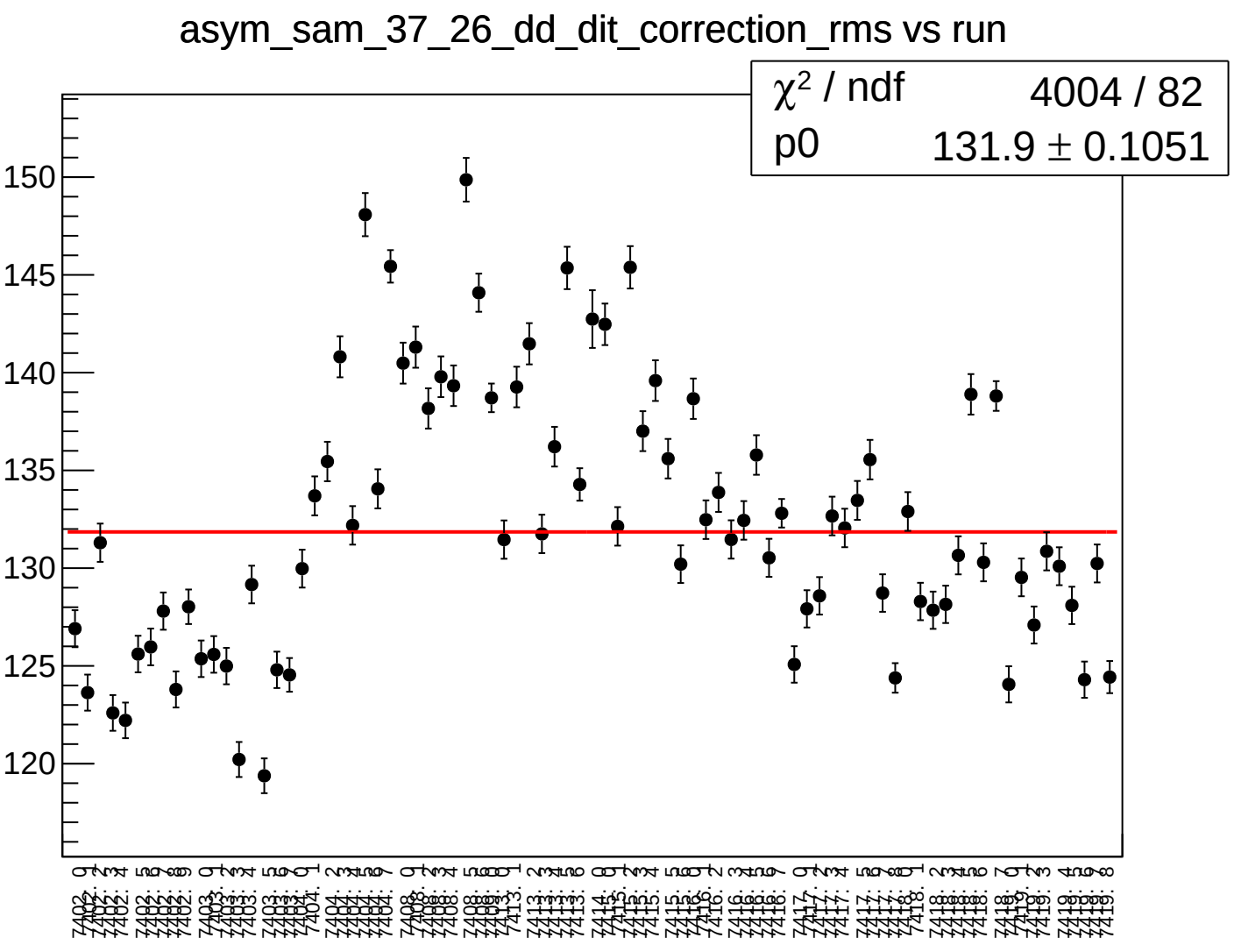

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 70.41 / 82
p0 −57.74 ± 49.99
pull
Entries 83
Mean 347.6
Std Dev 0

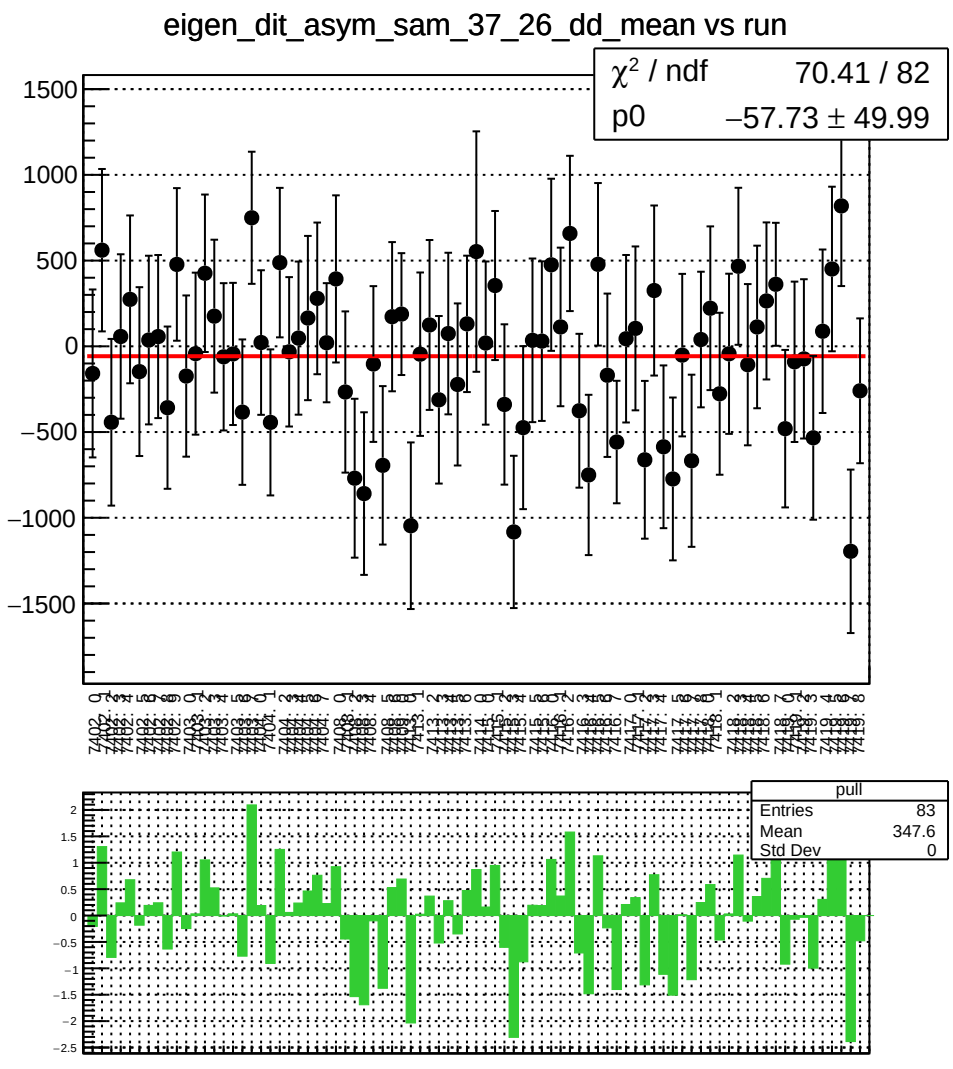

pull1D
Entries 83
Mean −0.007289
Std Dev 0.921

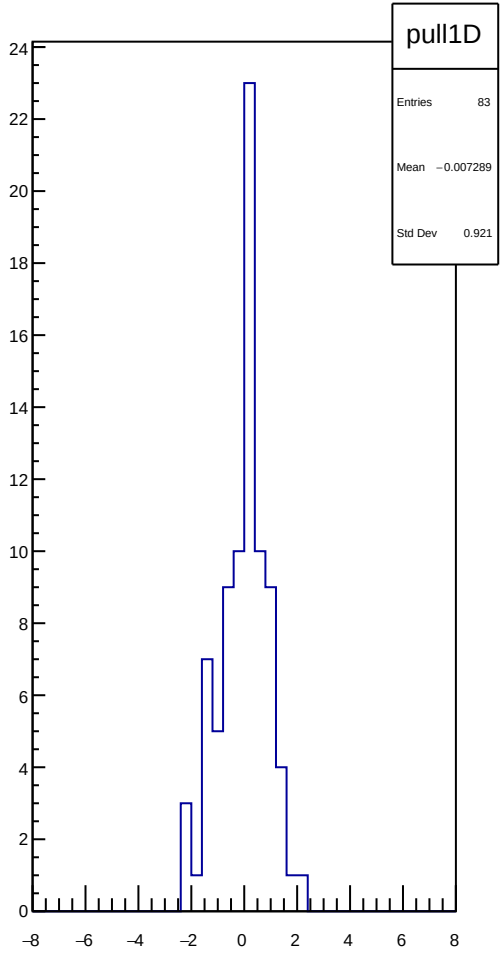

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3118 / 82
p0 44.37 ± 0.03535
48
46
44
42
40

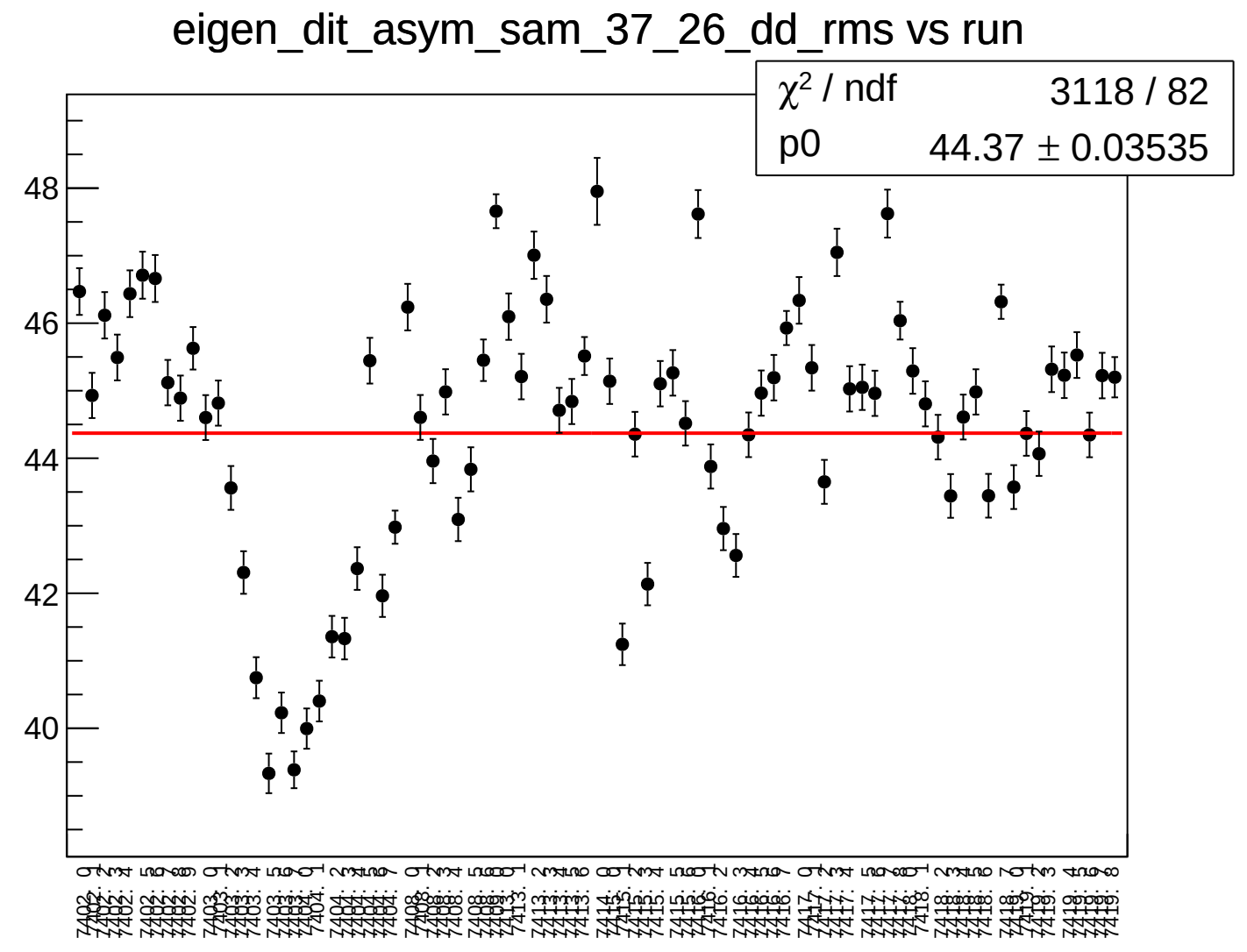

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 69.28 / 82
p0 −34.37 ± 148.6
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 181.8
Std Dev 0
2
1
0
−1
−2

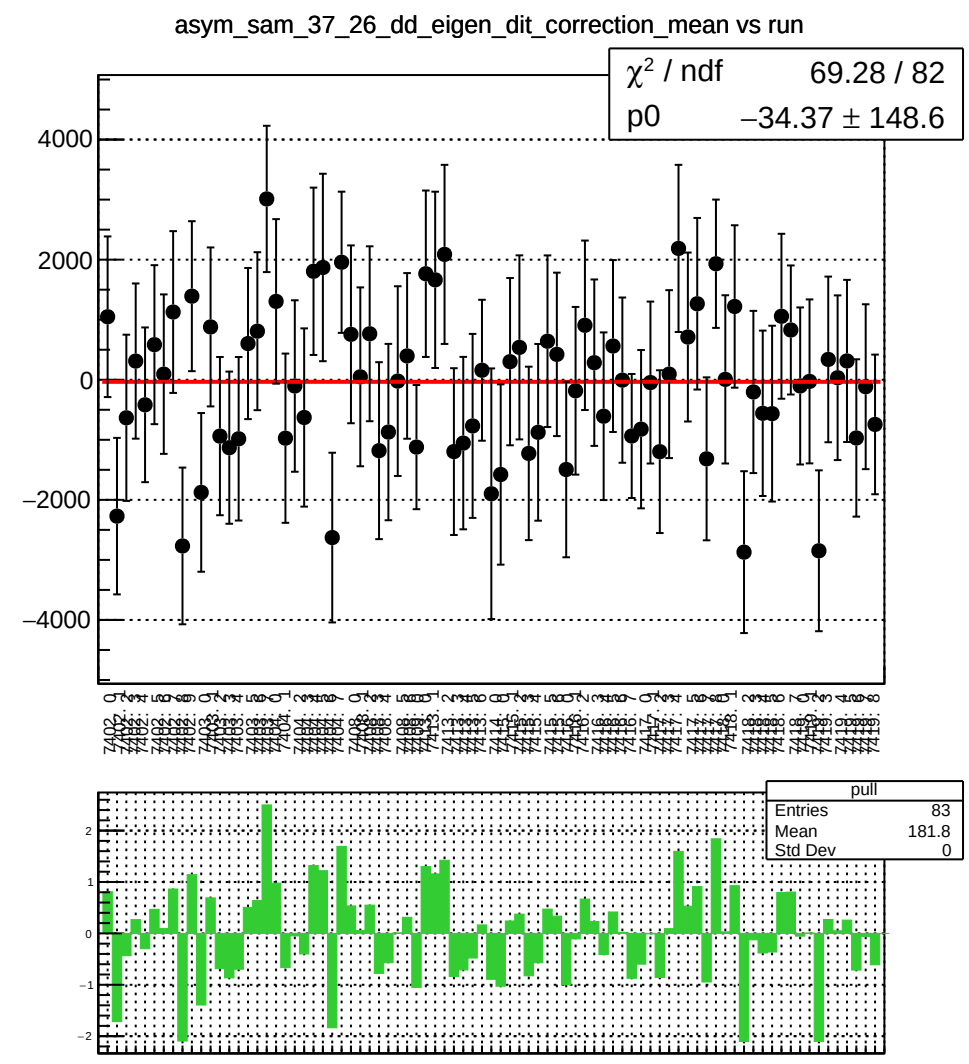

pull1D
Entries 83
Mean −0.007504
Std Dev 0.9136
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

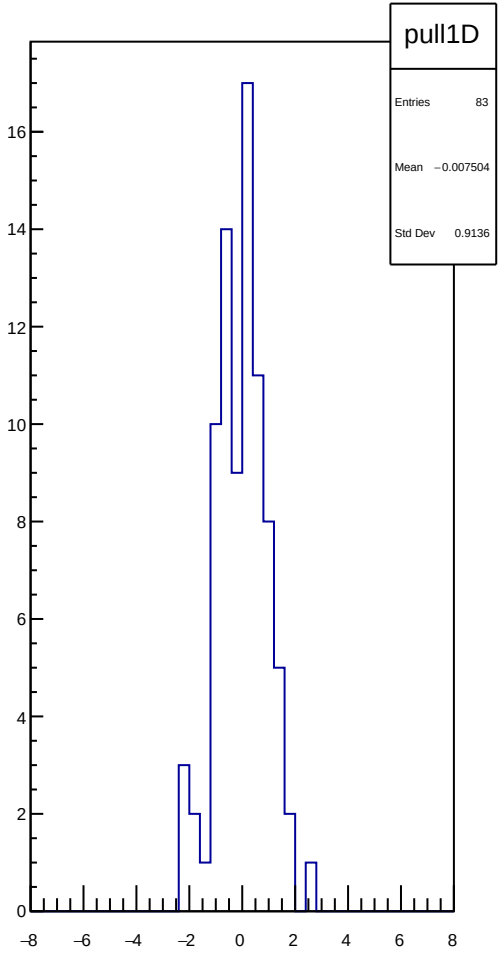

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 4004 / 82
p0 131.9 ± 0.1051
150
145
140
135
130
125
120

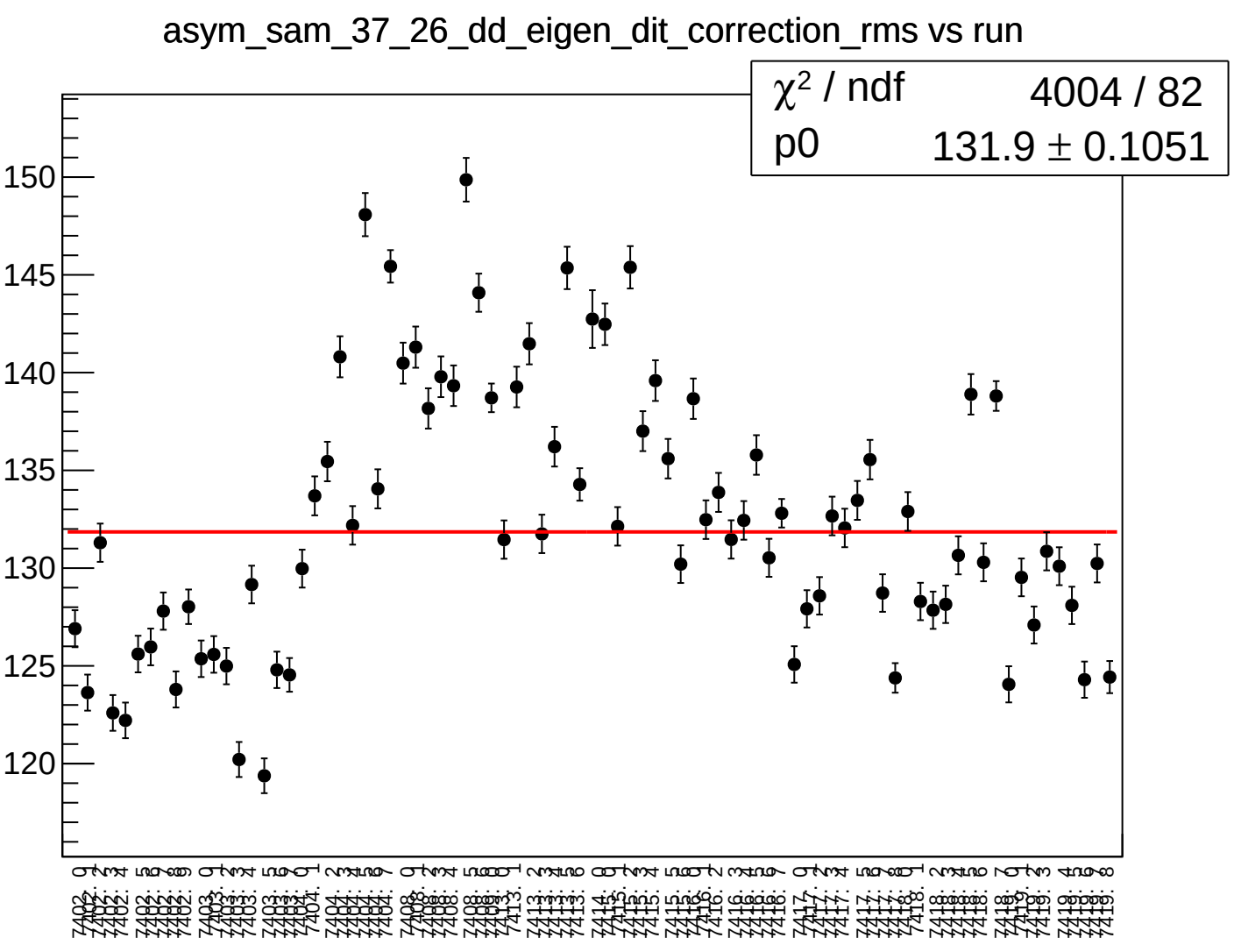

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 70.41 / 82
p0 −57.73 ± 49.99
1500
1000
500
0
−500
−1000
−1500
pull
Entries 83
Mean 347.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

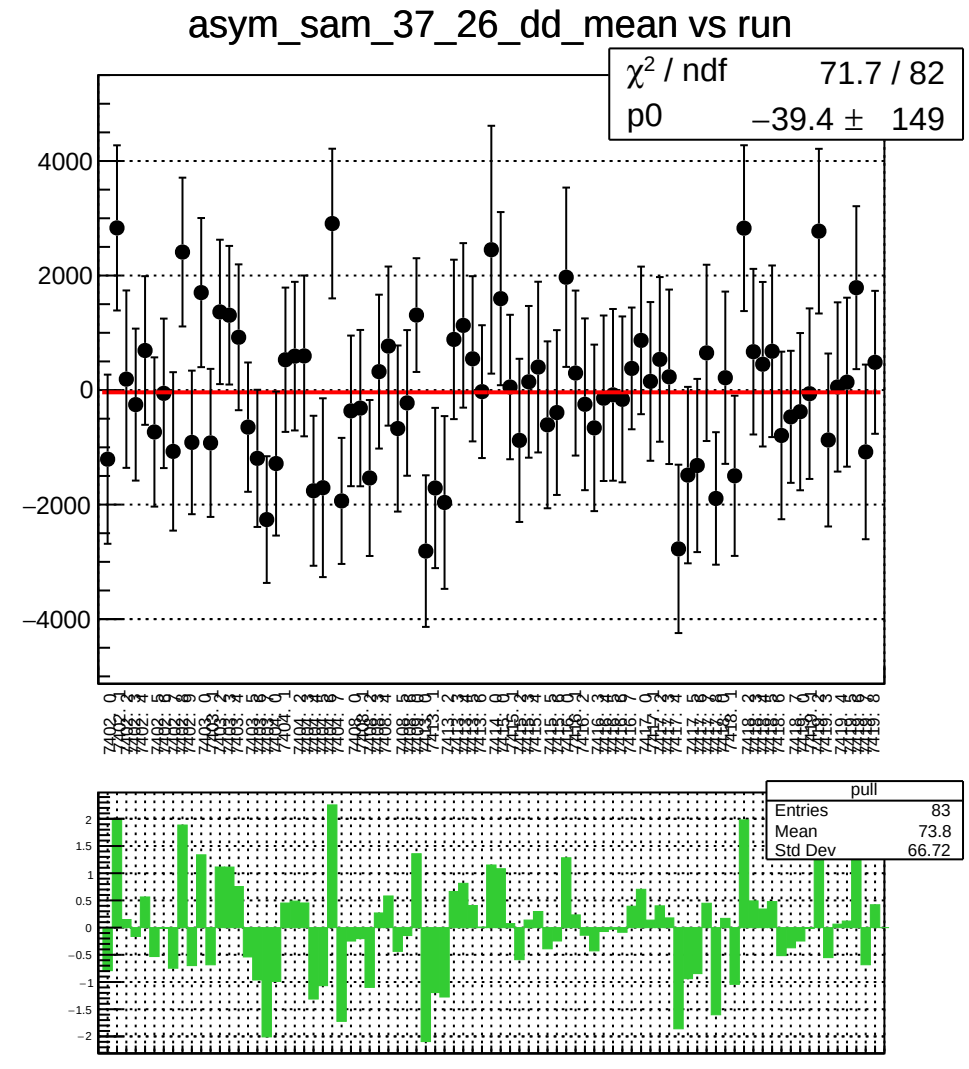

pull1D
Entries 83
Mean −0.007289
Std Dev 0.921
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

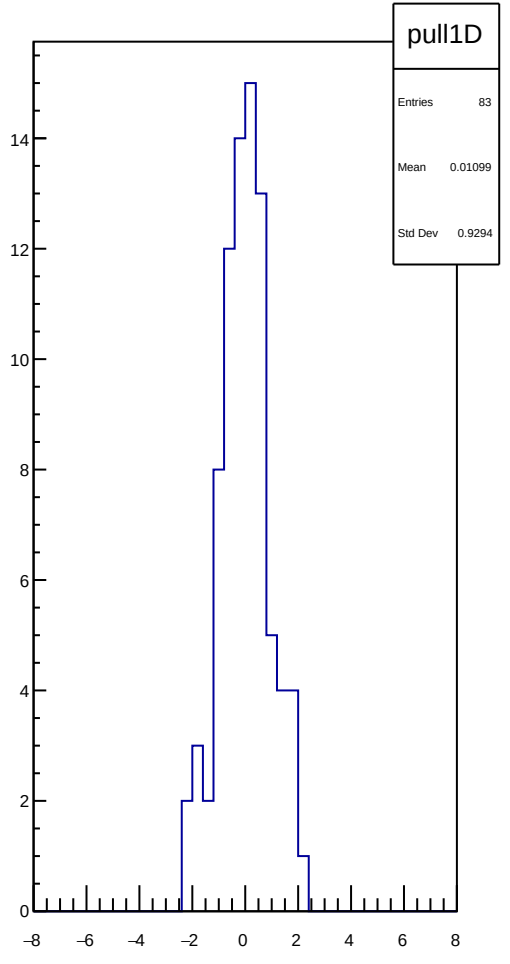

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3118 / 82
p0 44.37 ± 0.03535
48
46
44
42
40

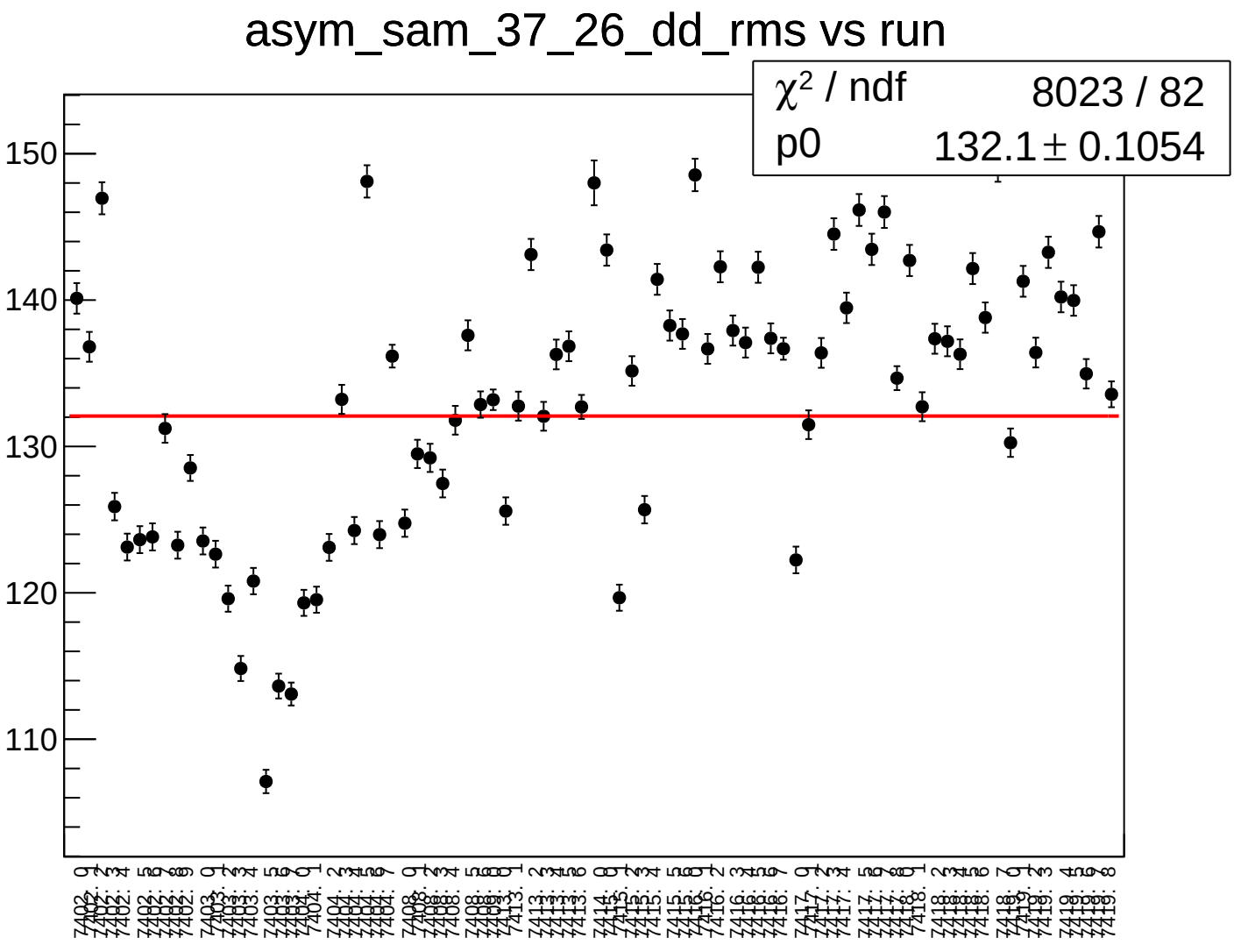

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.28 / 82
p0 −34.37 ± 148.6
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 181.8
Std Dev 0
2
1
0
−1
−2

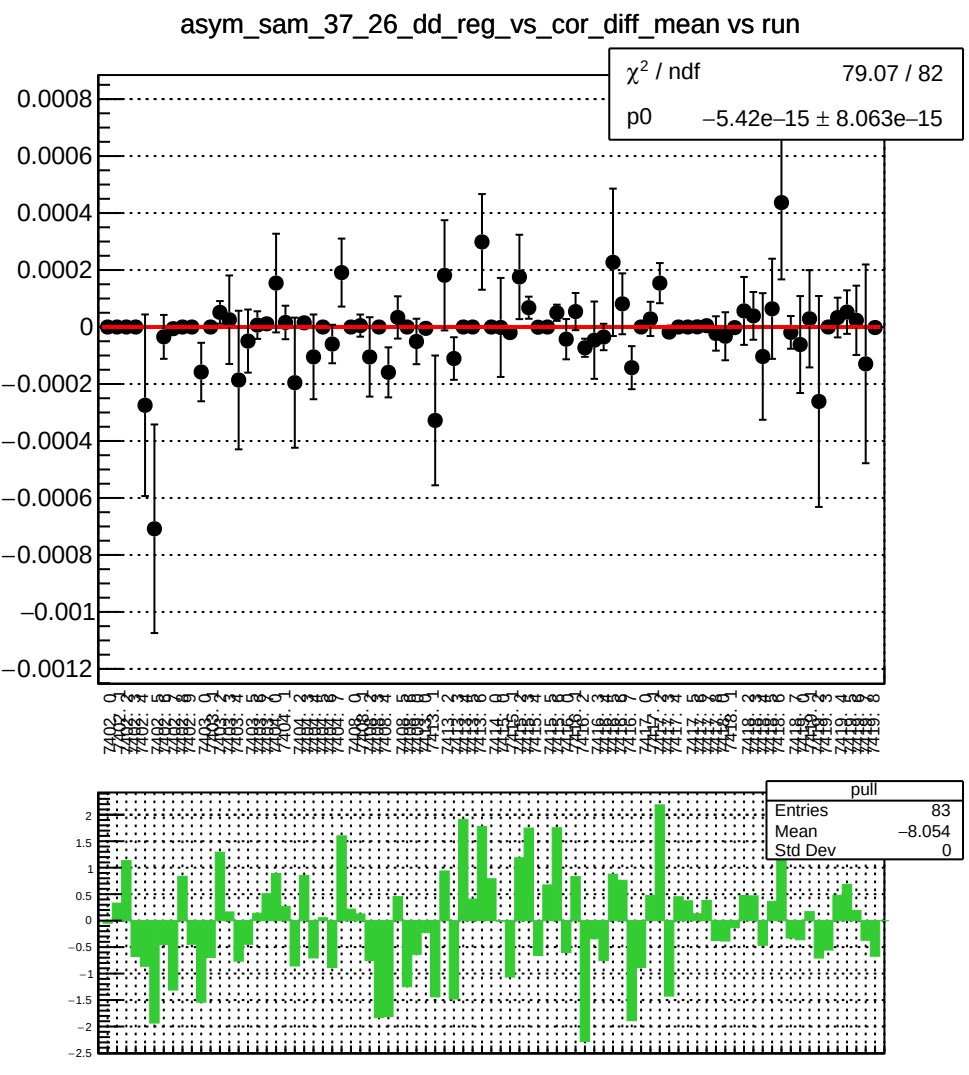

pull1D
Entries 83
Mean −0.007504
Std Dev 0.9136
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

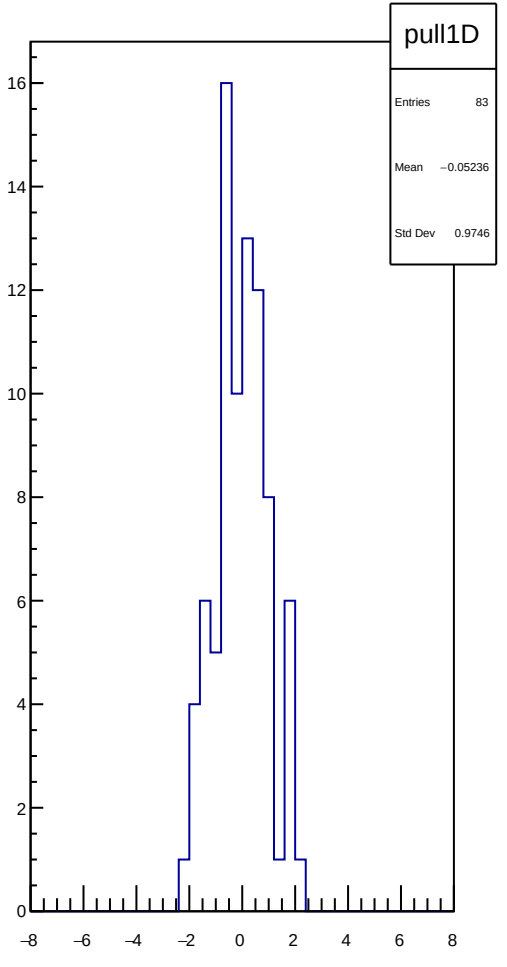

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 4004 / 82
p0 131.9 ± 0.1051
150
145
140
135
130
125
120

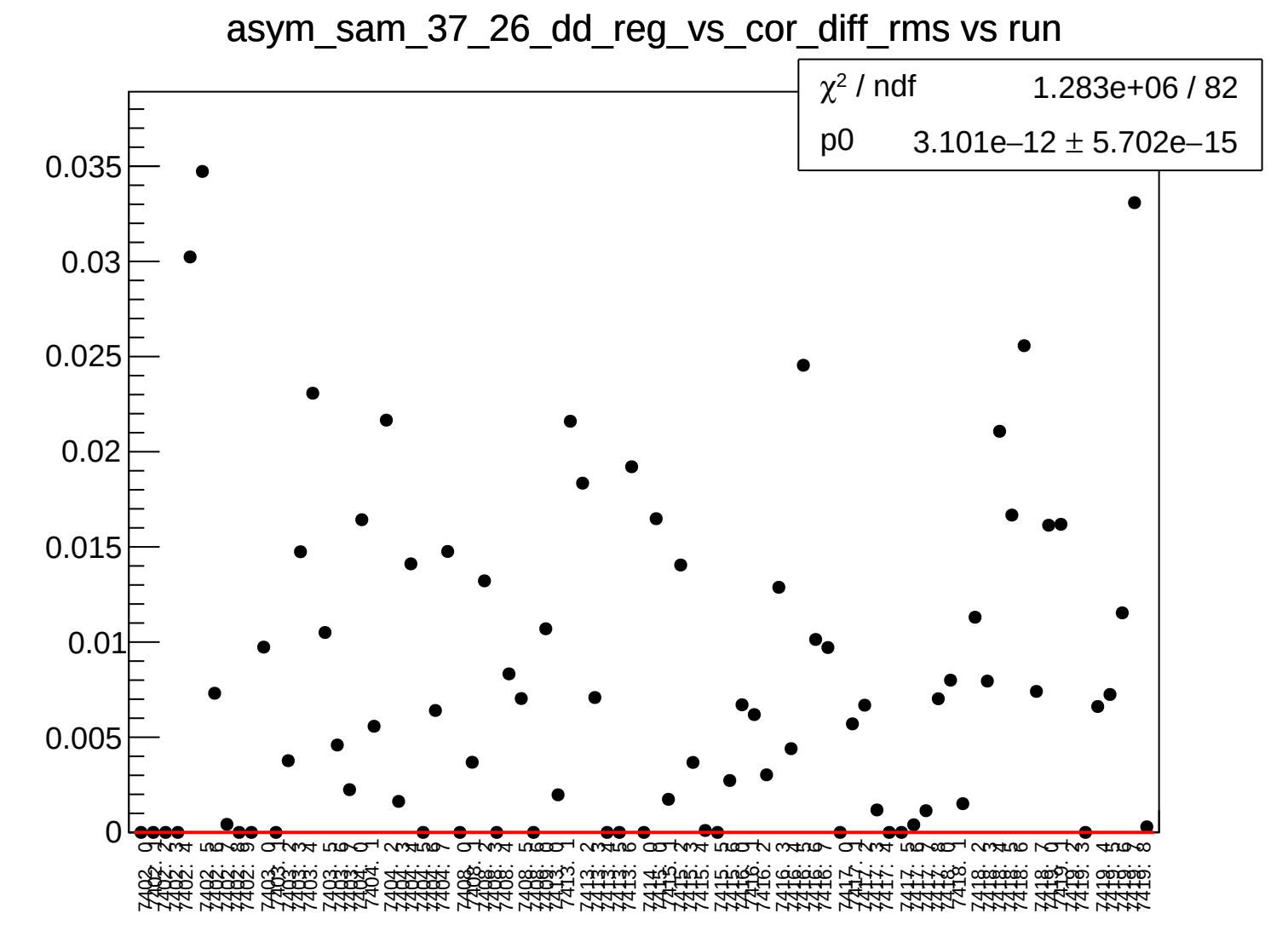

asym_sam_37_26_dd_mean vs run
χ² / ndf 71.7 / 82
p0 −39.4 ± 149
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 73.8
Std Dev 66.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

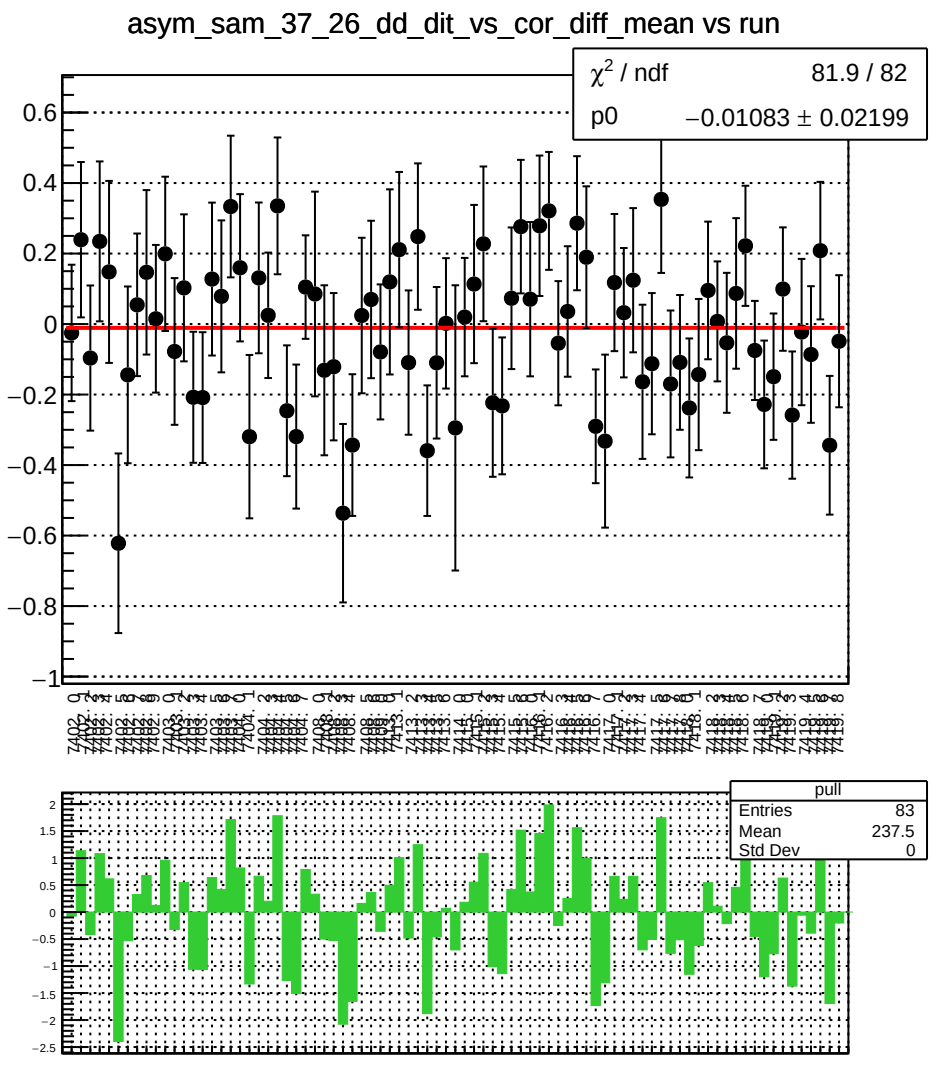

pull1D
Entries 83
Mean 0.01099
Std Dev 0.9294
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

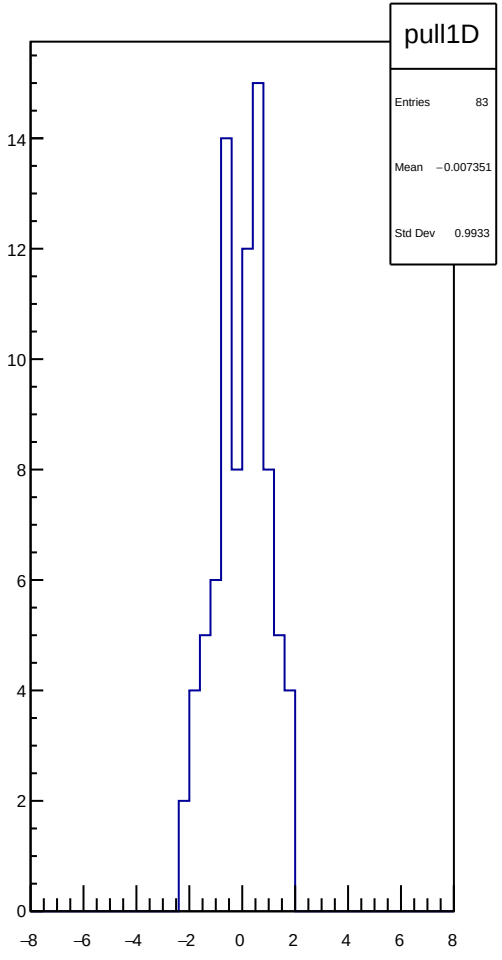

asym_sam_37_26_dd_rms vs run
χ² / ndf 8023 / 82
p0 132.1 ± 0.1054
150
140
130
120
110

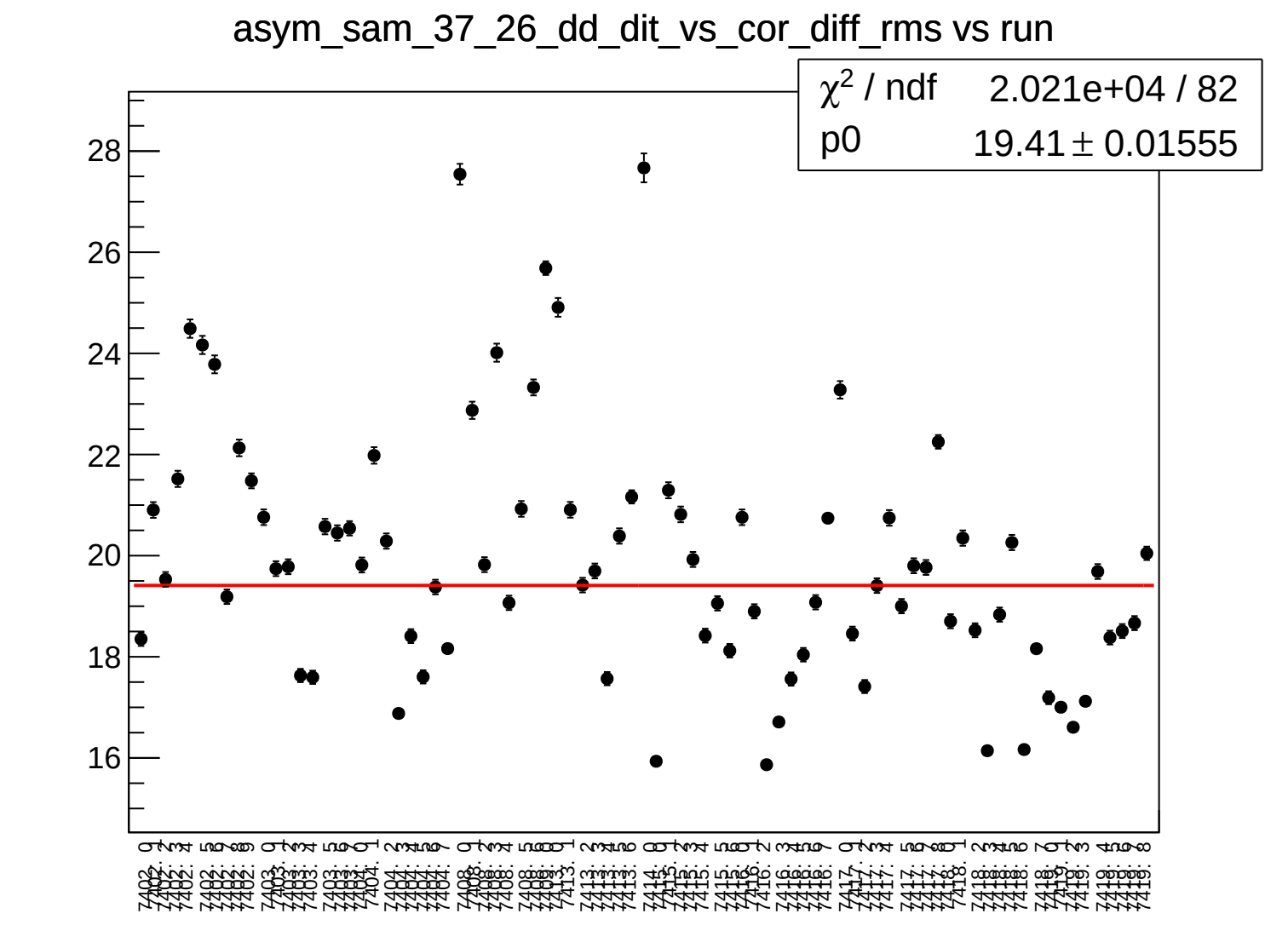

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 79.07 / 82
p0 −5.42e−15 ± 8.063e−15
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 83
Mean −8.054
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

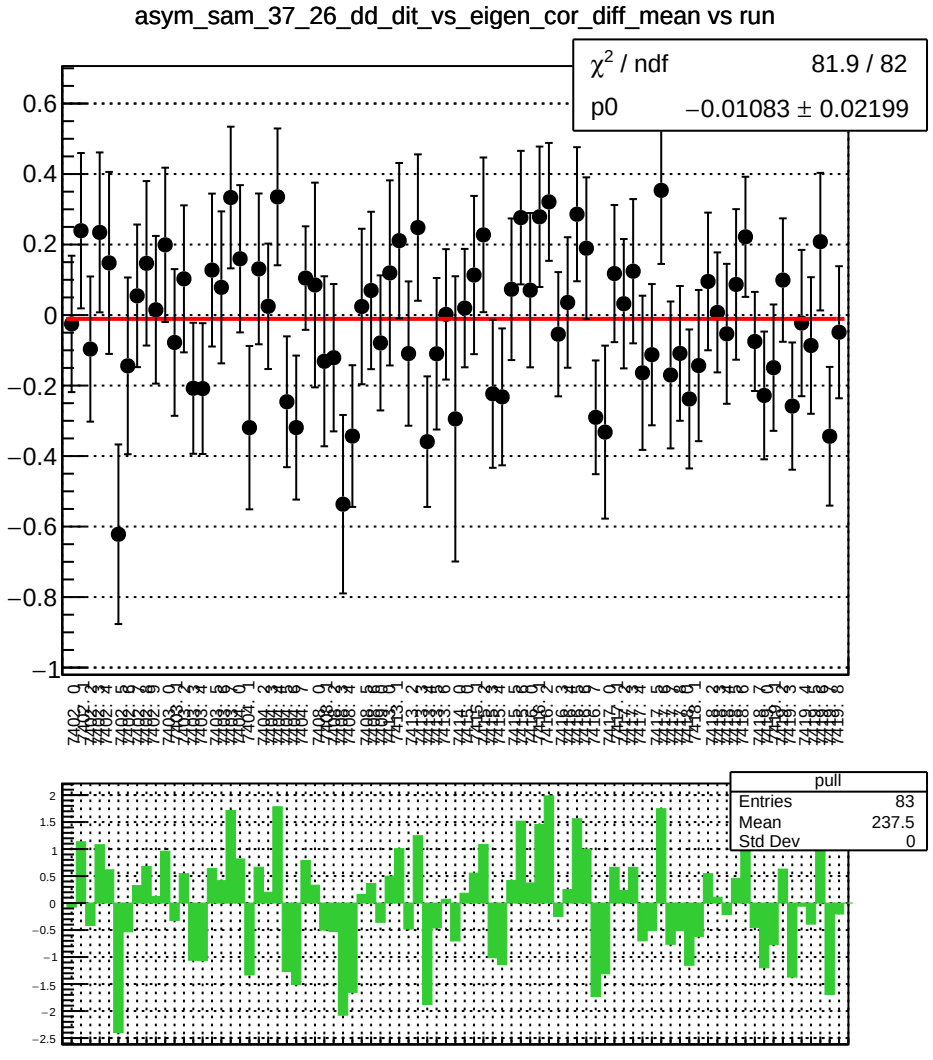

pull1D
Entries 83
Mean −0.05236
Std Dev 0.9746
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

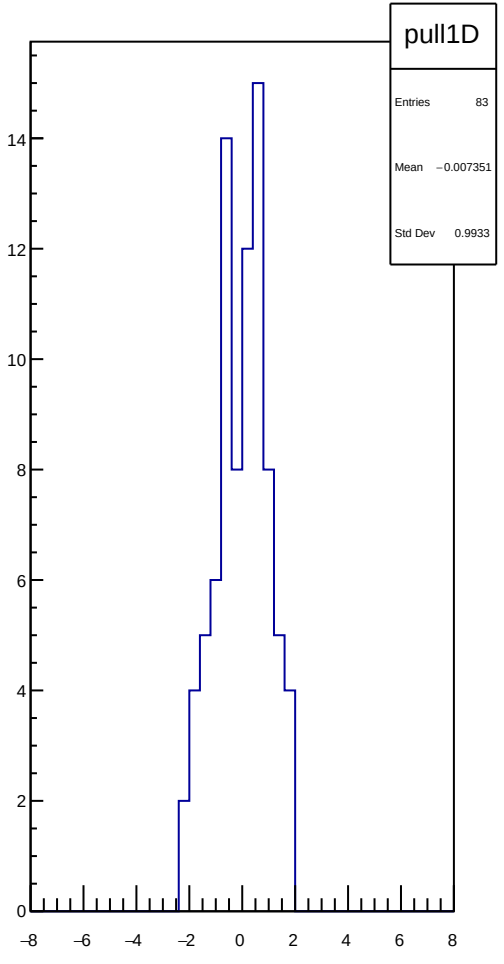

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.283e+06 / 82
p0 3.101e−12 ± 5.702e−15
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

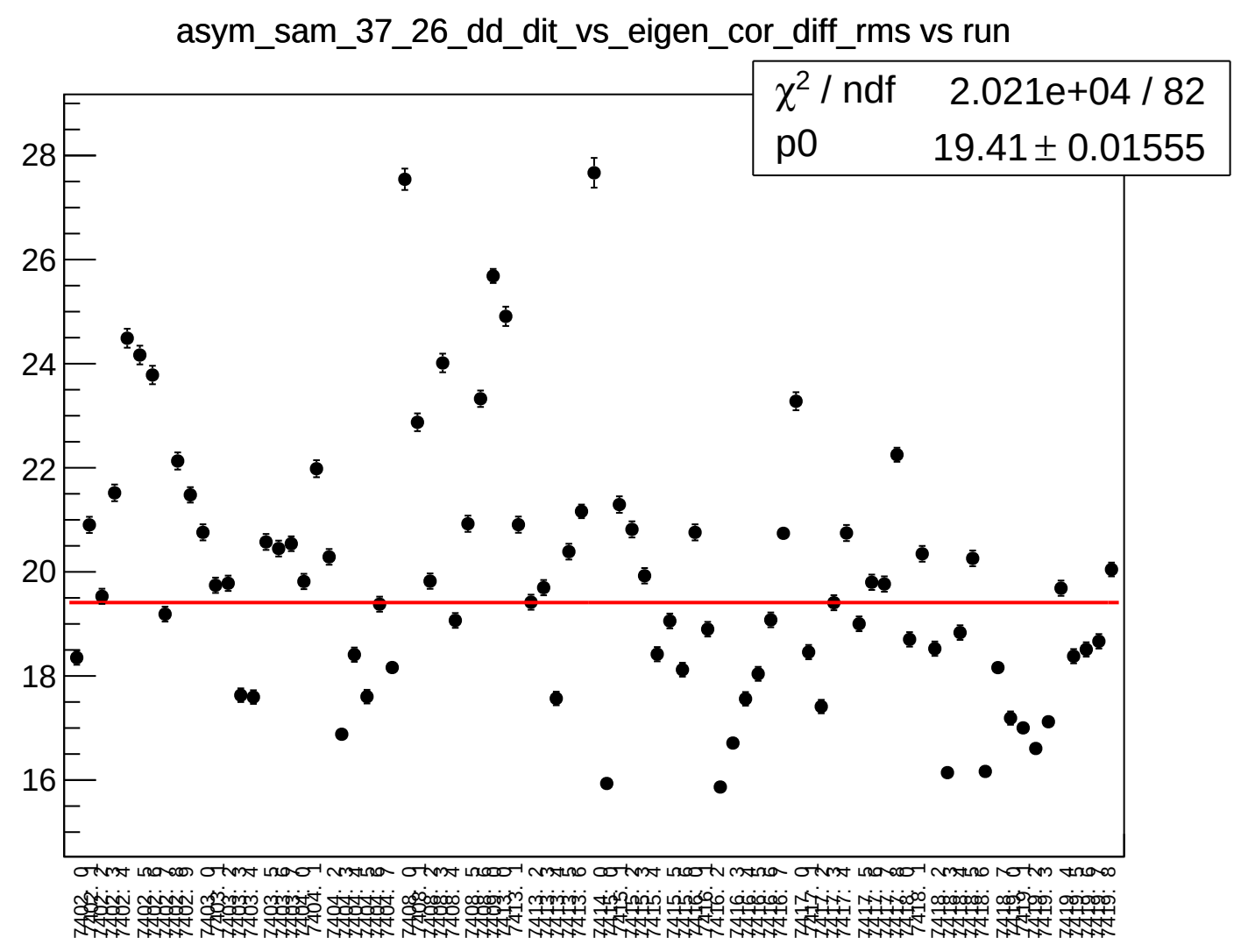

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.9 / 82
p0 −0.01083 ± 0.02199
pull
Entries 83
Mean 237.5
Std Dev 0

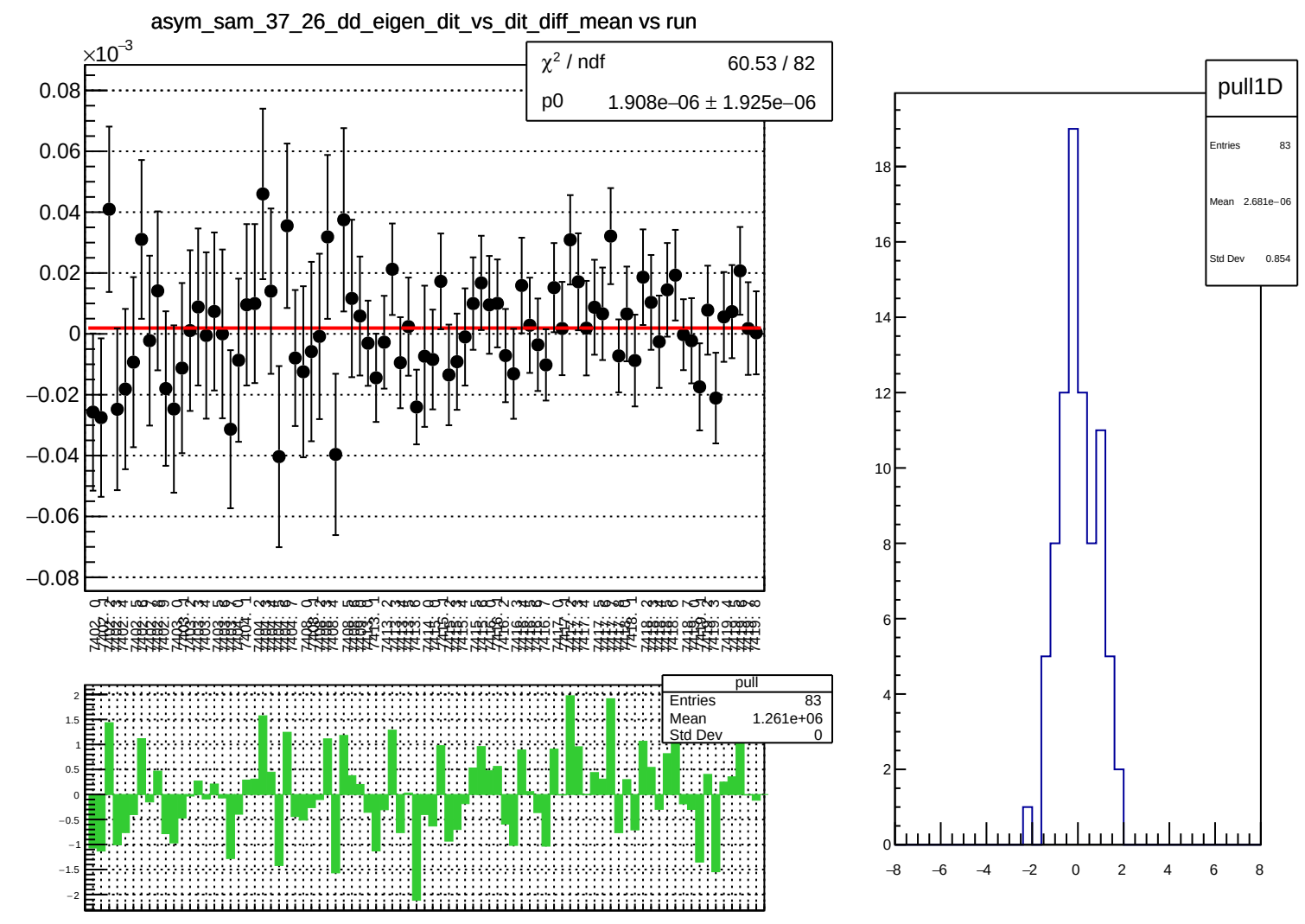

pull1D
Entries 83
Mean −0.007351
Std Dev 0.9933

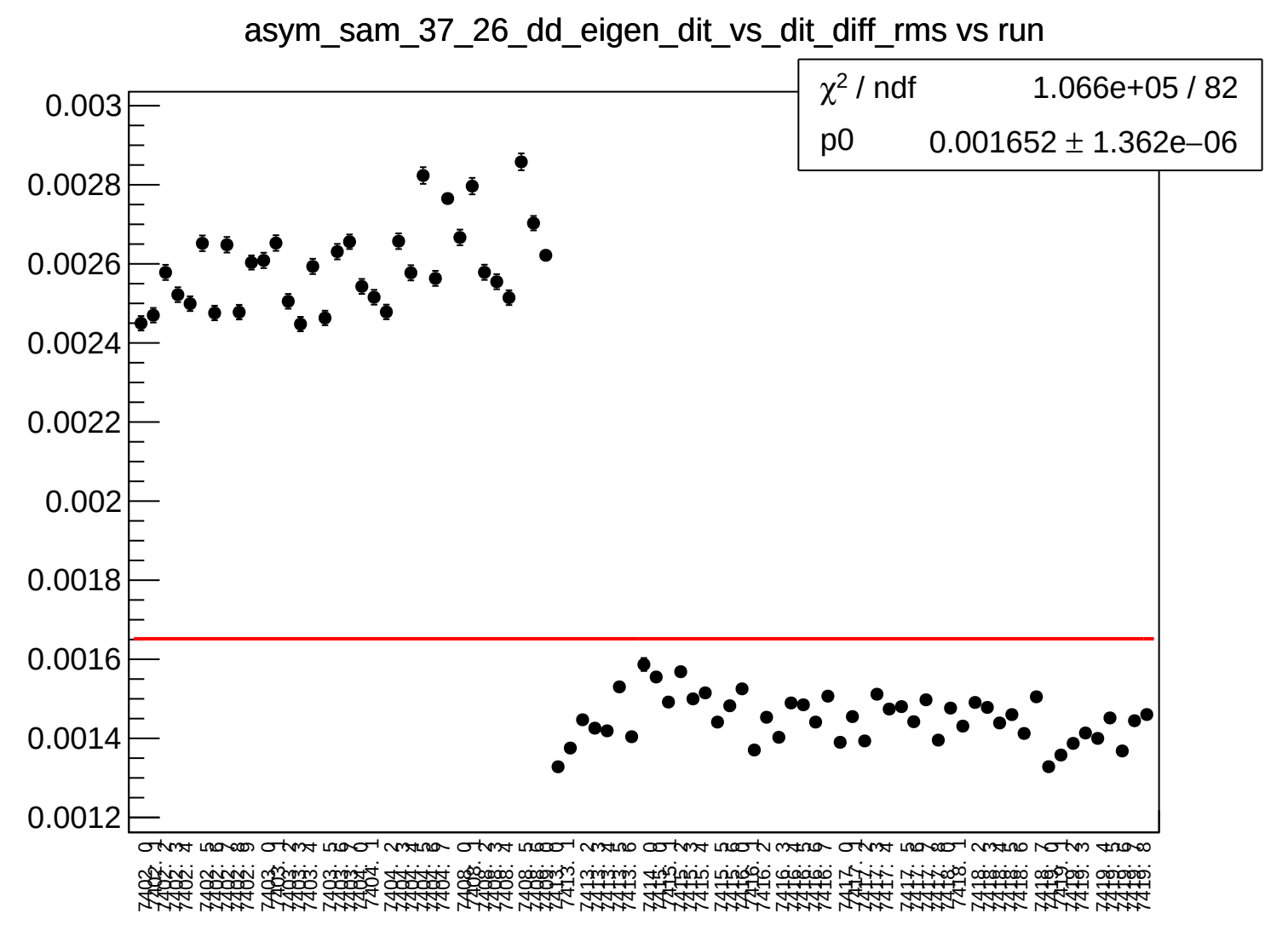

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.021e+04 / 82
p0 19.41 ± 0.01555
28
26
24
22
20
18
16

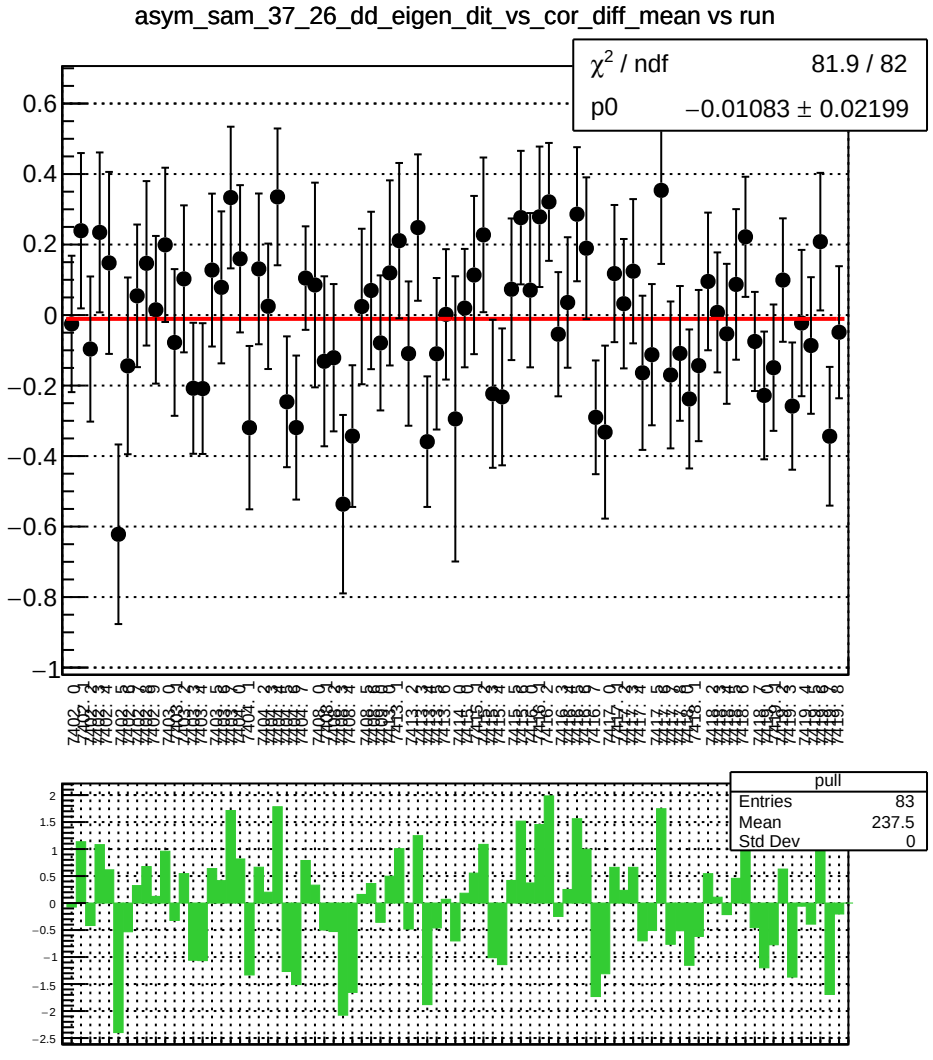

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.9 / 82
p0 −0.01083 ± 0.02199
pull
Entries 83
Mean 237.5
Std Dev 0

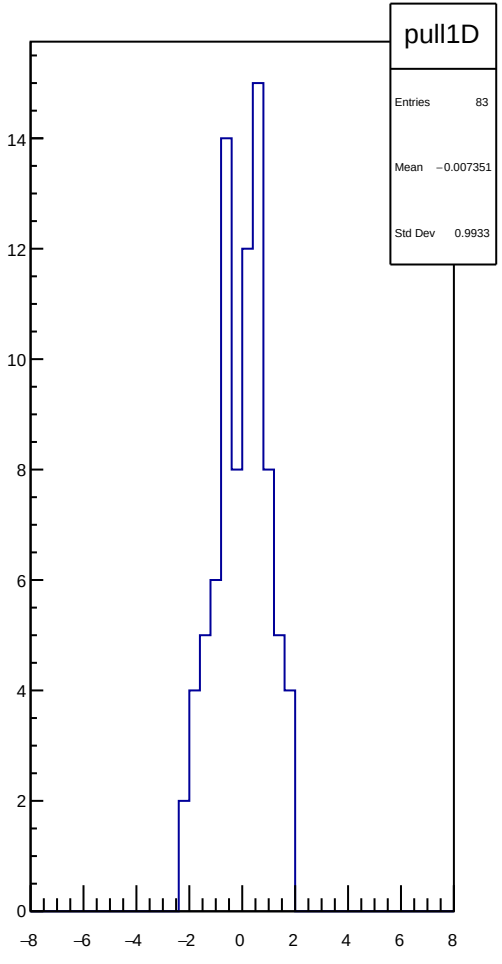

pull1D
Entries 83
Mean −0.007351
Std Dev 0.9933

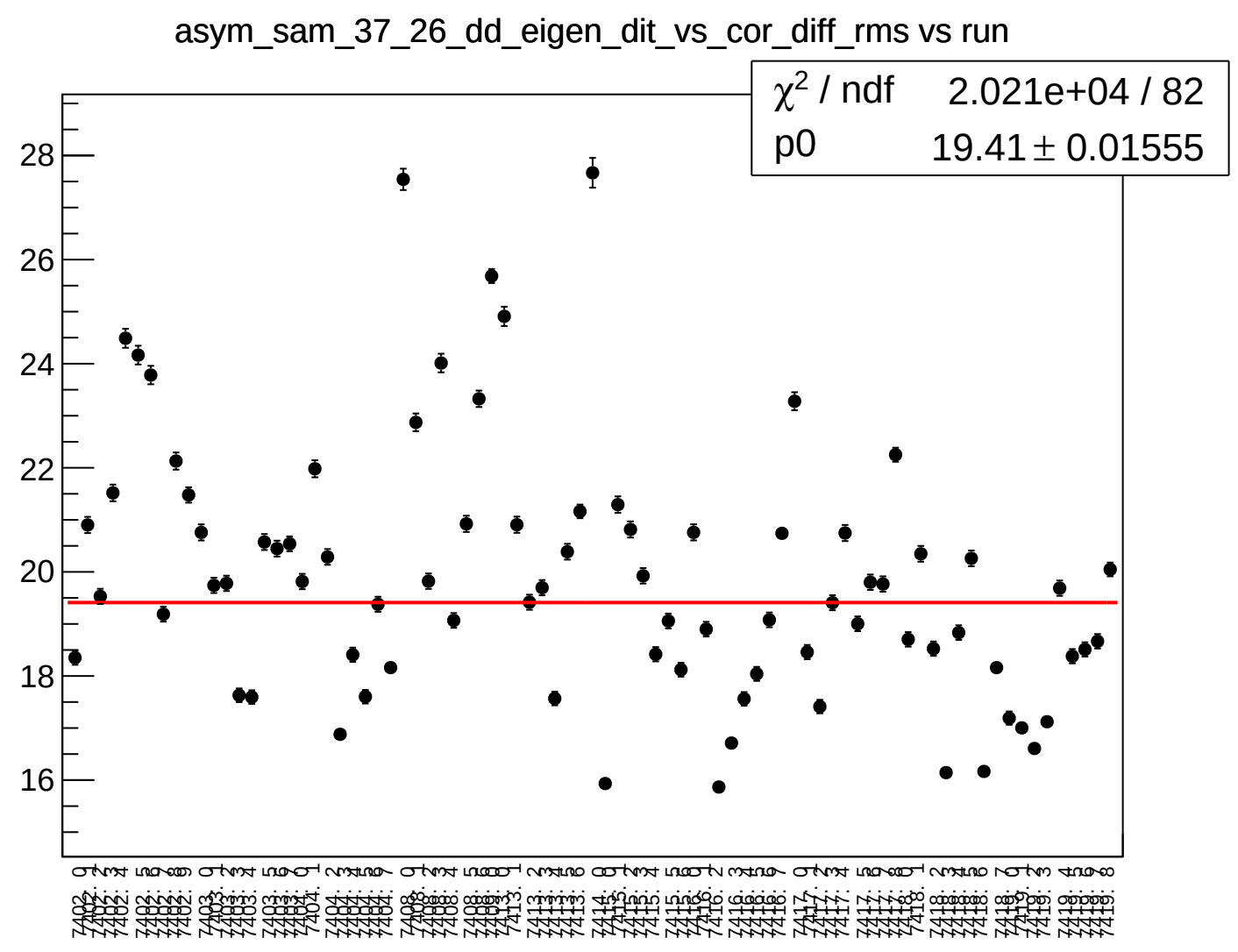

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.021e+04 / 82
p0 19.41 ± 0.01555
28
26
24
22
20
18
16


asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 60.53 / 82
p0 1.908e−06 ± 1.925e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 83
Mean 1.261e+06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean 2.681e−06
Std Dev 0.854
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

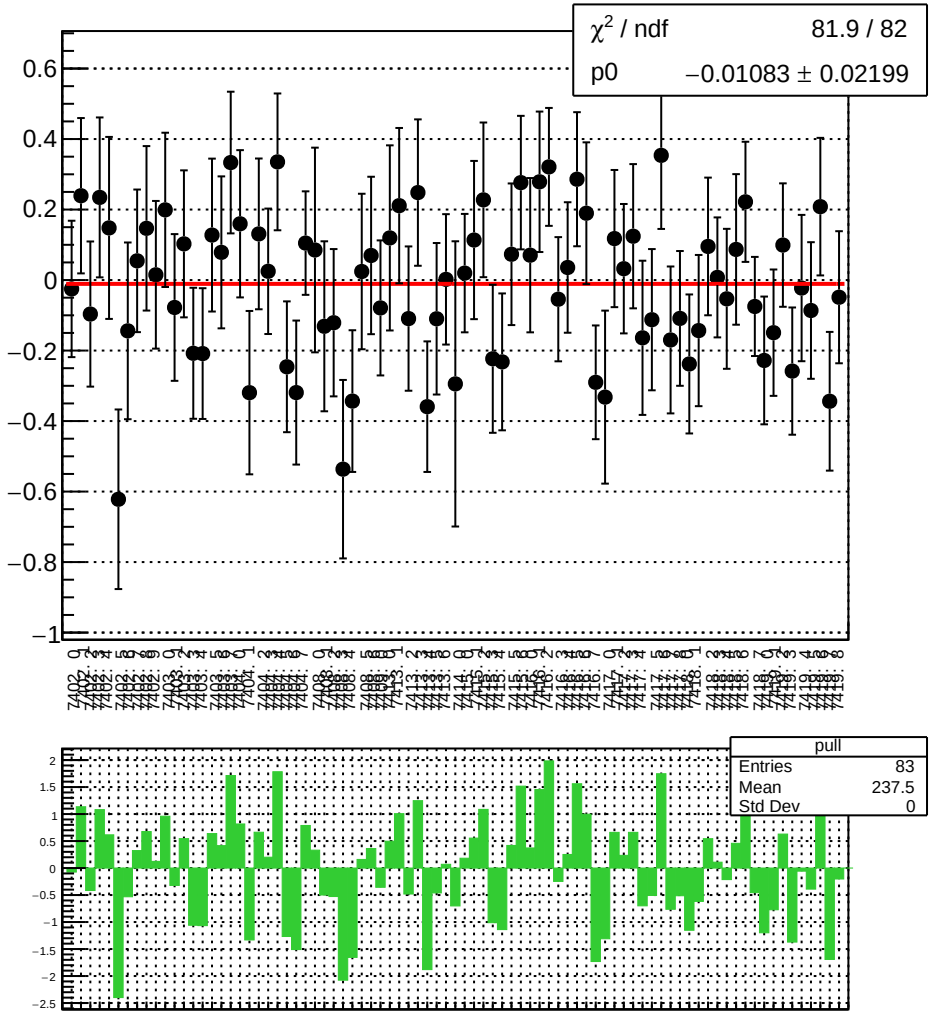

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.066e+05 / 82
p0 0.001652 ± 1.362e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

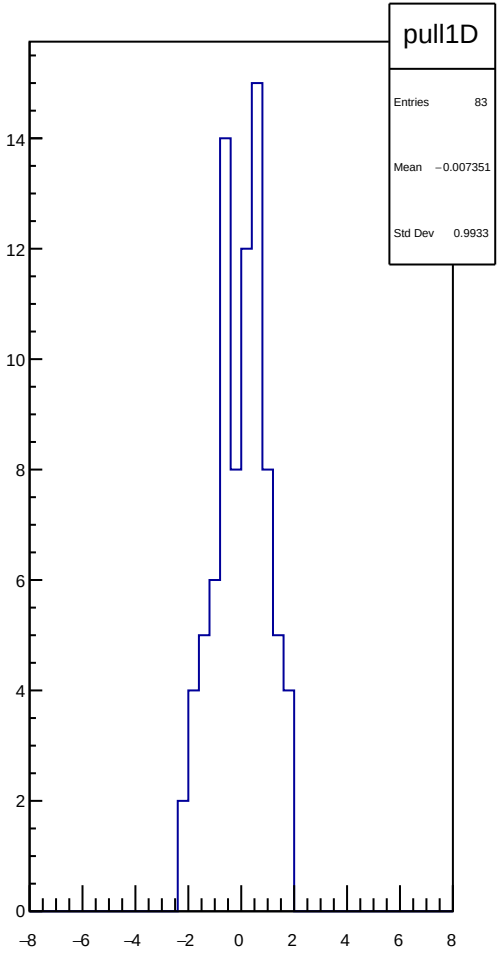

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.9 / 82
p0 −0.01083 ± 0.02199
pull
Entries 83
Mean 237.5
Std Dev 0

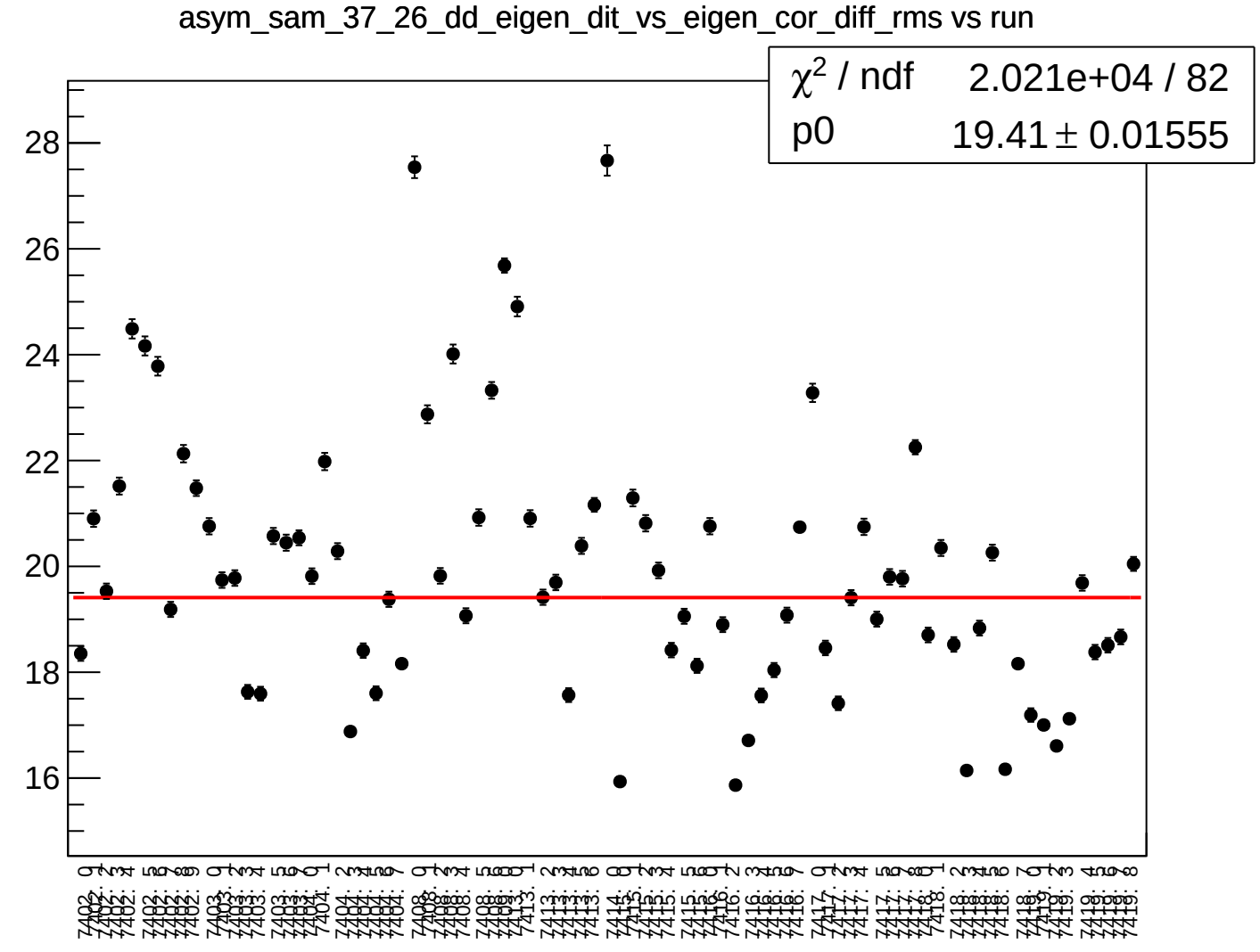

pull1D
Entries 83
Mean −0.007351
Std Dev 0.9933

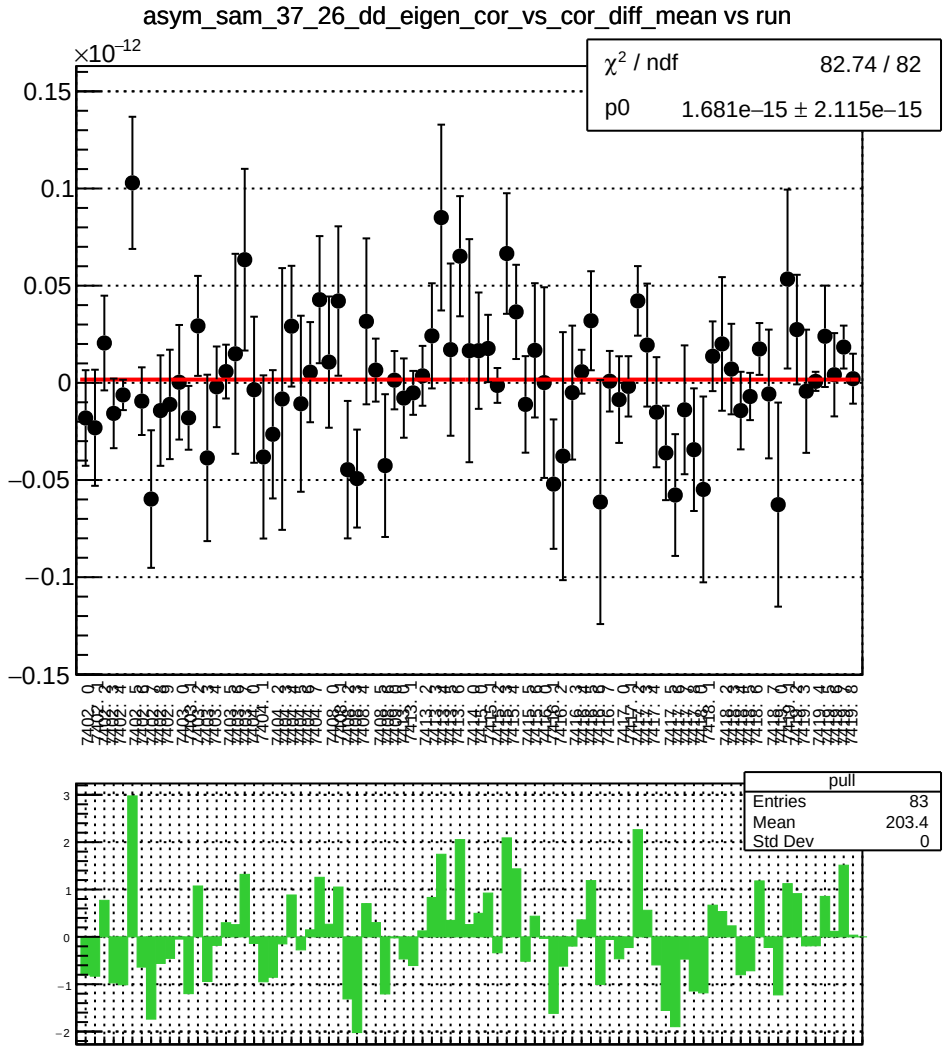

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.021e+04 / 82
p0 19.41 ± 0.01555
28
26
24
22
20
18
16

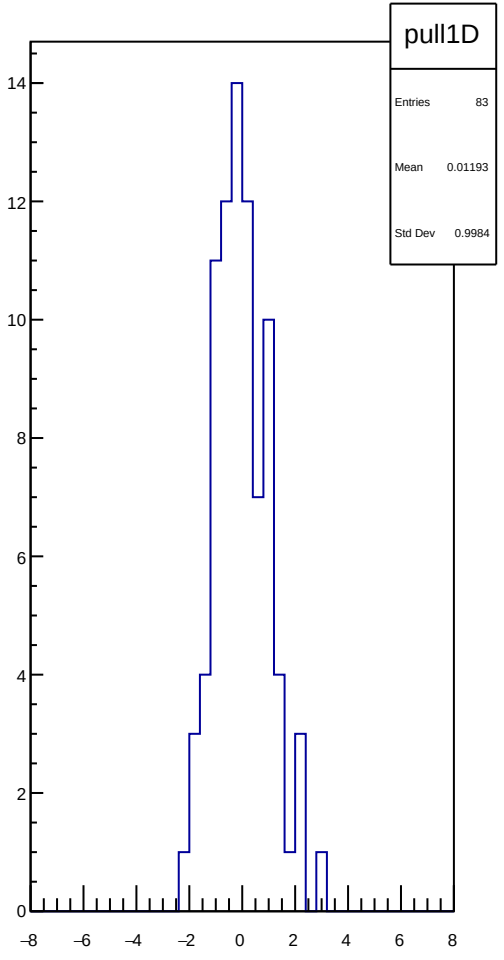
asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

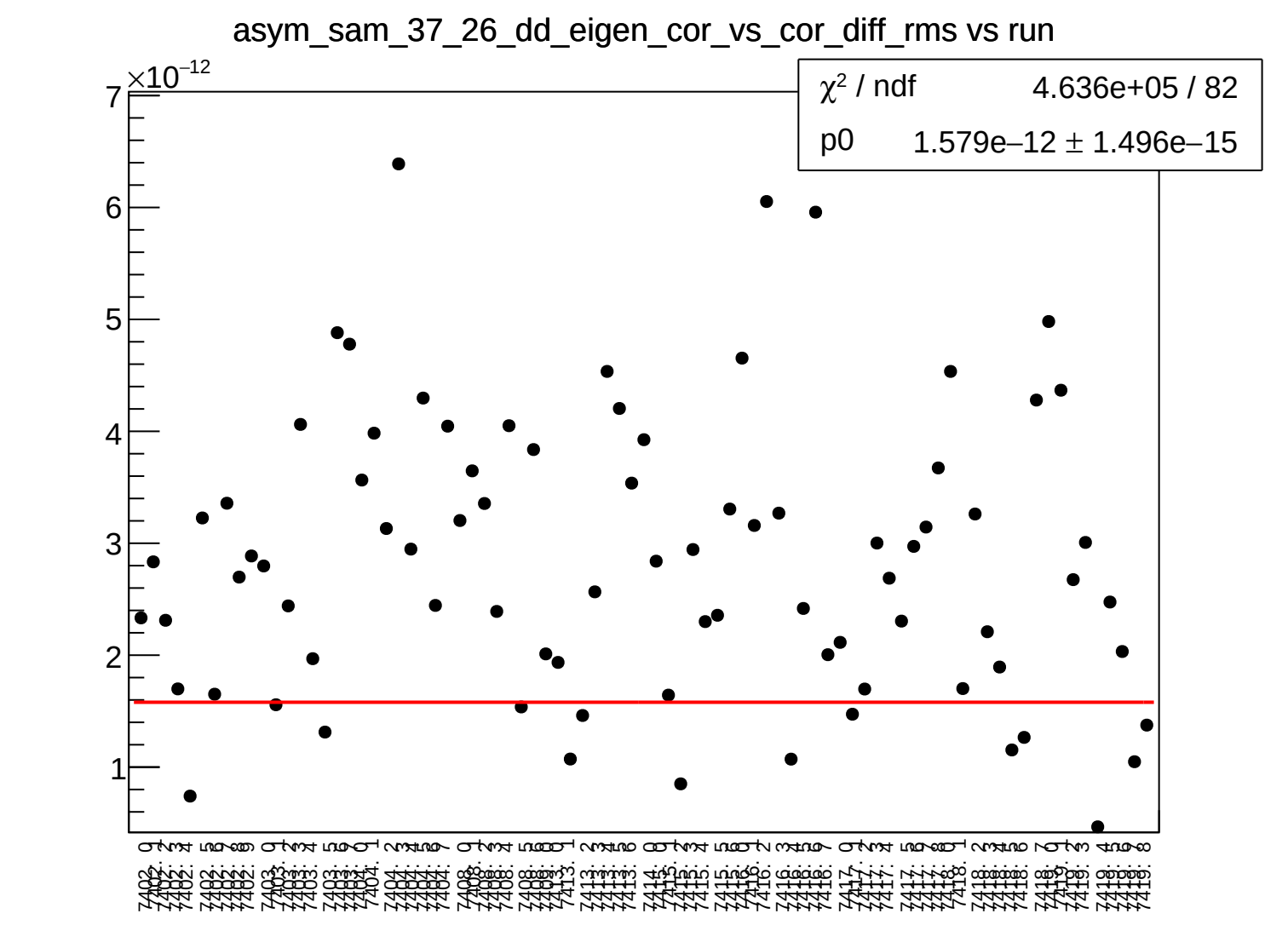


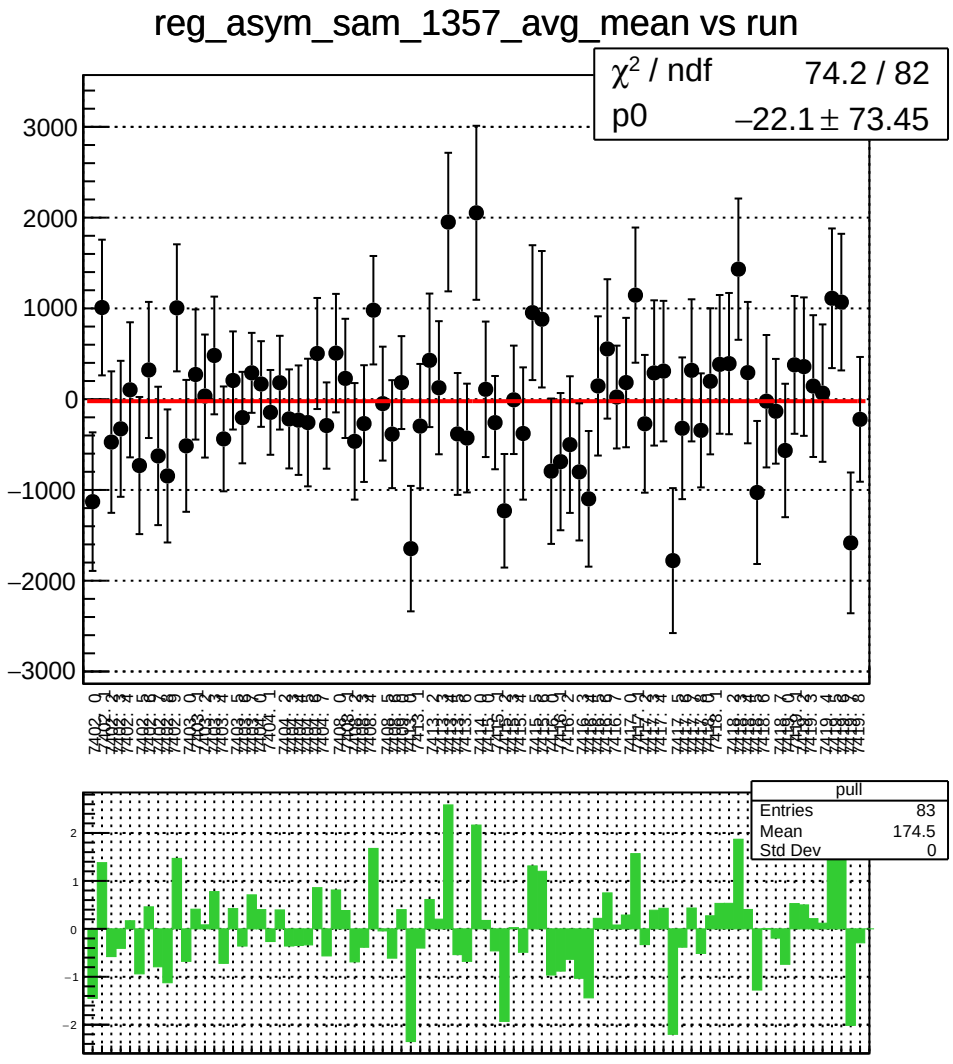


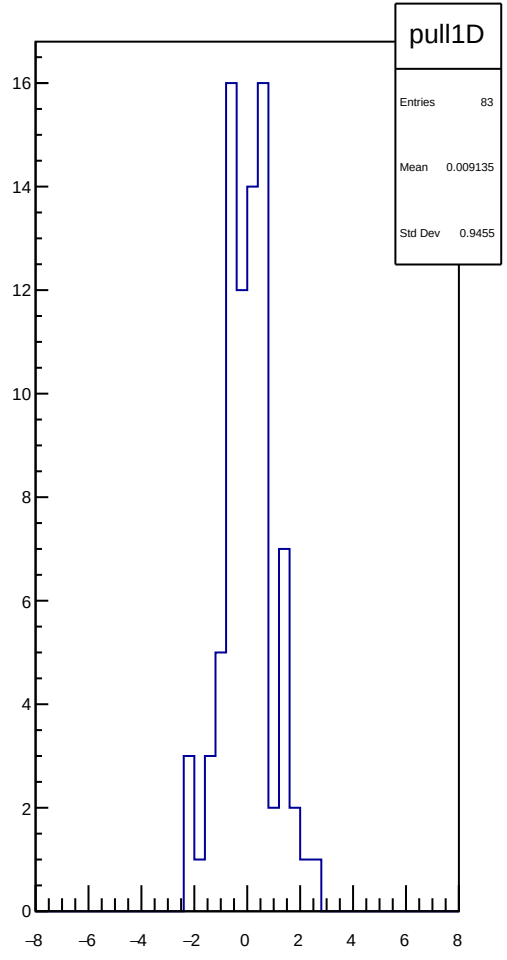

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.021e+04 / 82
p0 19.41 ± 0.01555
28
26
24
22
20
18
16

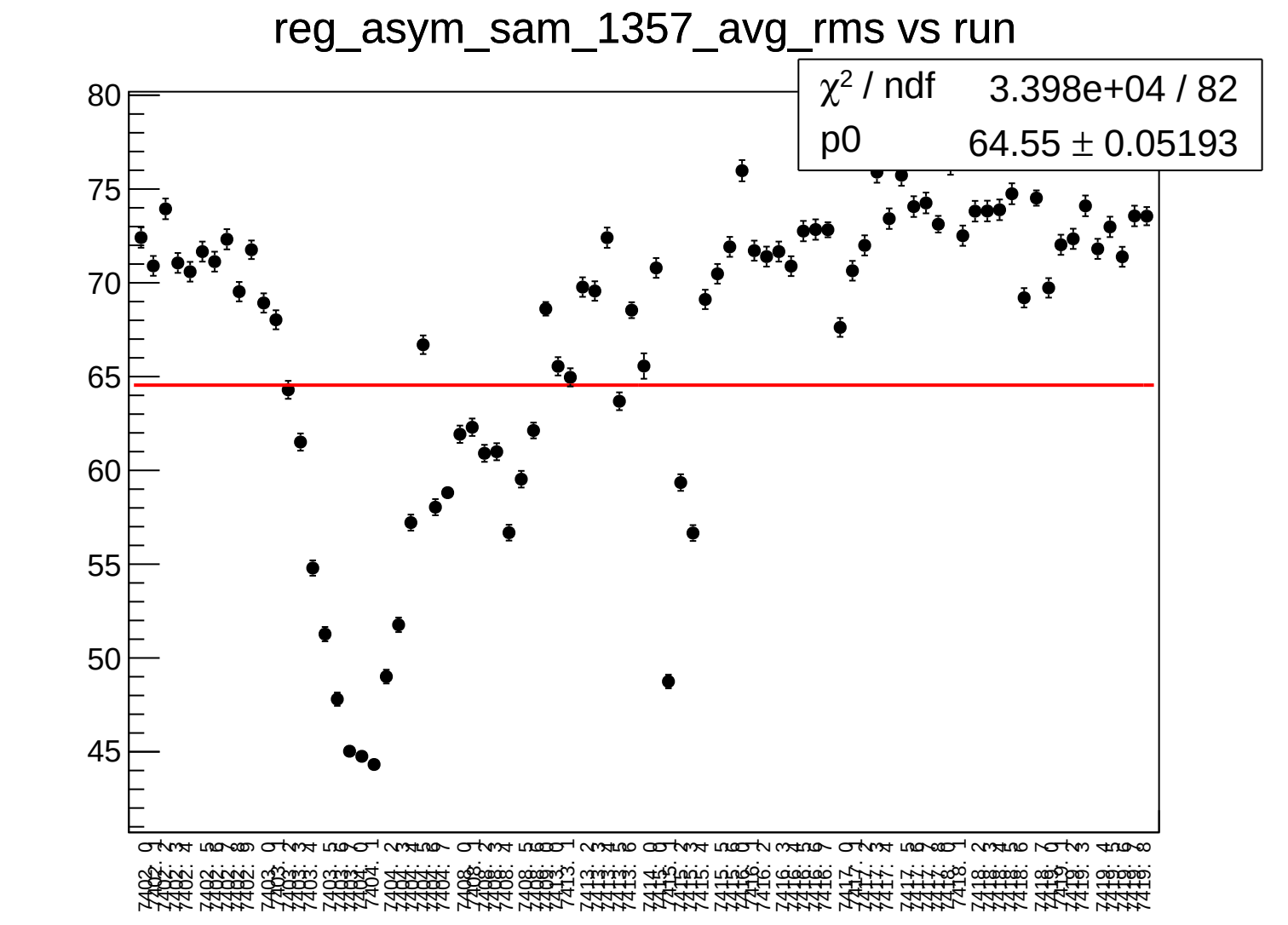

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.74 / 82
p0 1.681e−15 ± 2.115e−15
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean 203.4
Std Dev 0
3
2
1
0
−1
−2

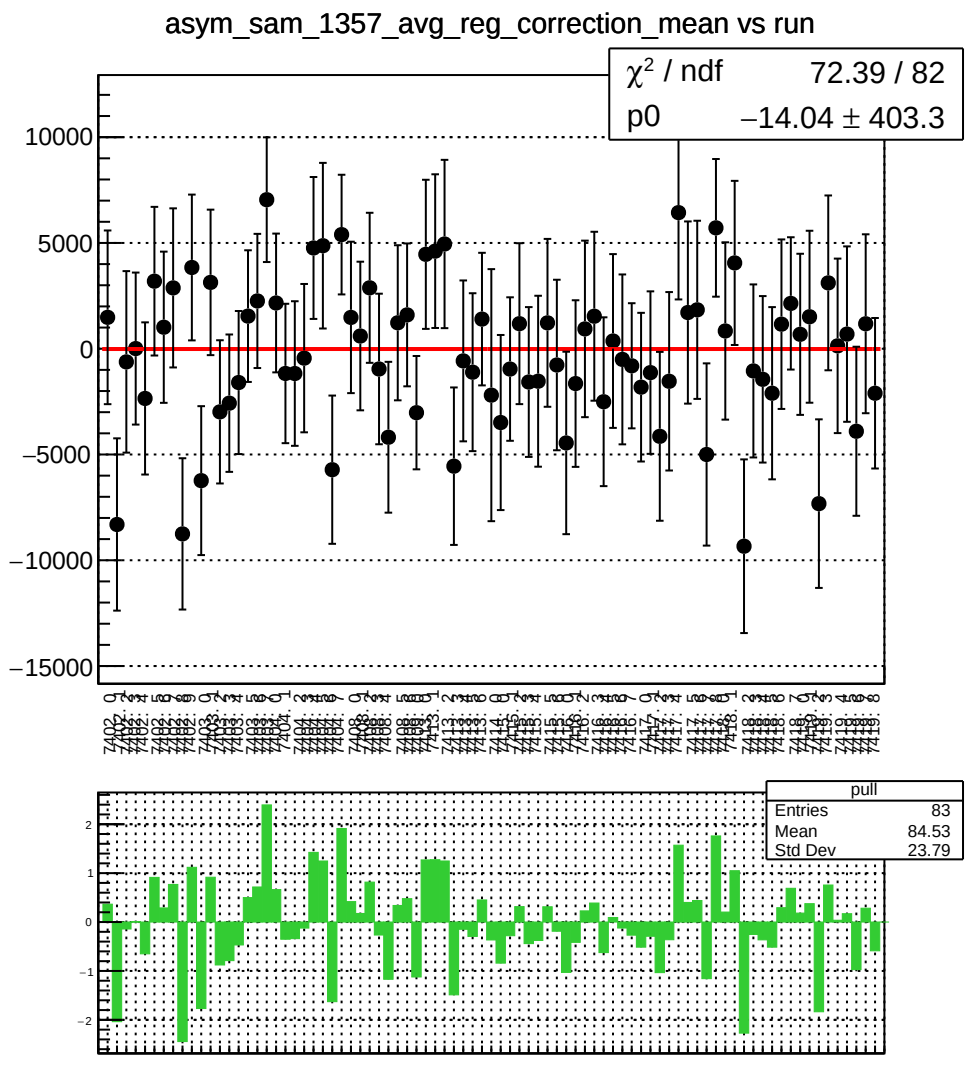

pull1D
Entries 83
Mean 0.01193
Std Dev 0.9984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

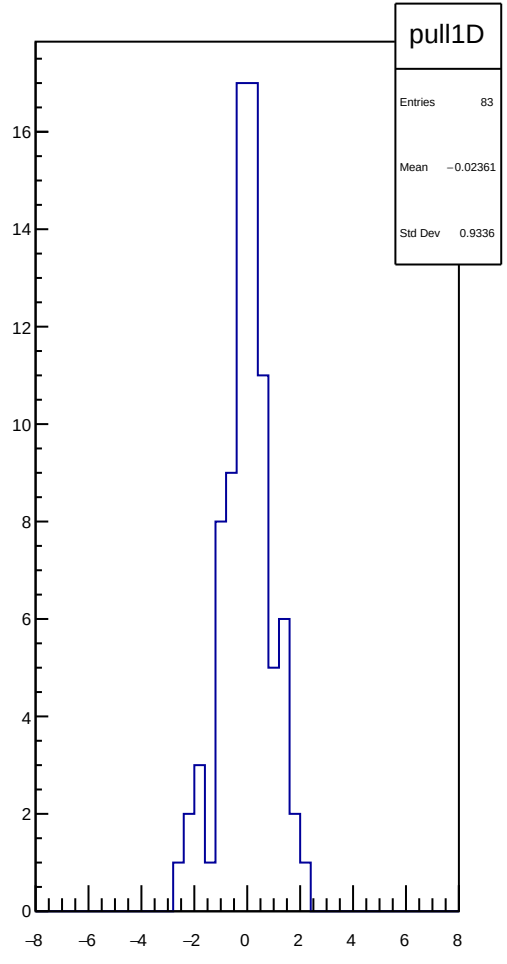

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.636e+05 / 82
p0 1.579e−12 ± 1.496e−15
7
6
5
4
3
2
1

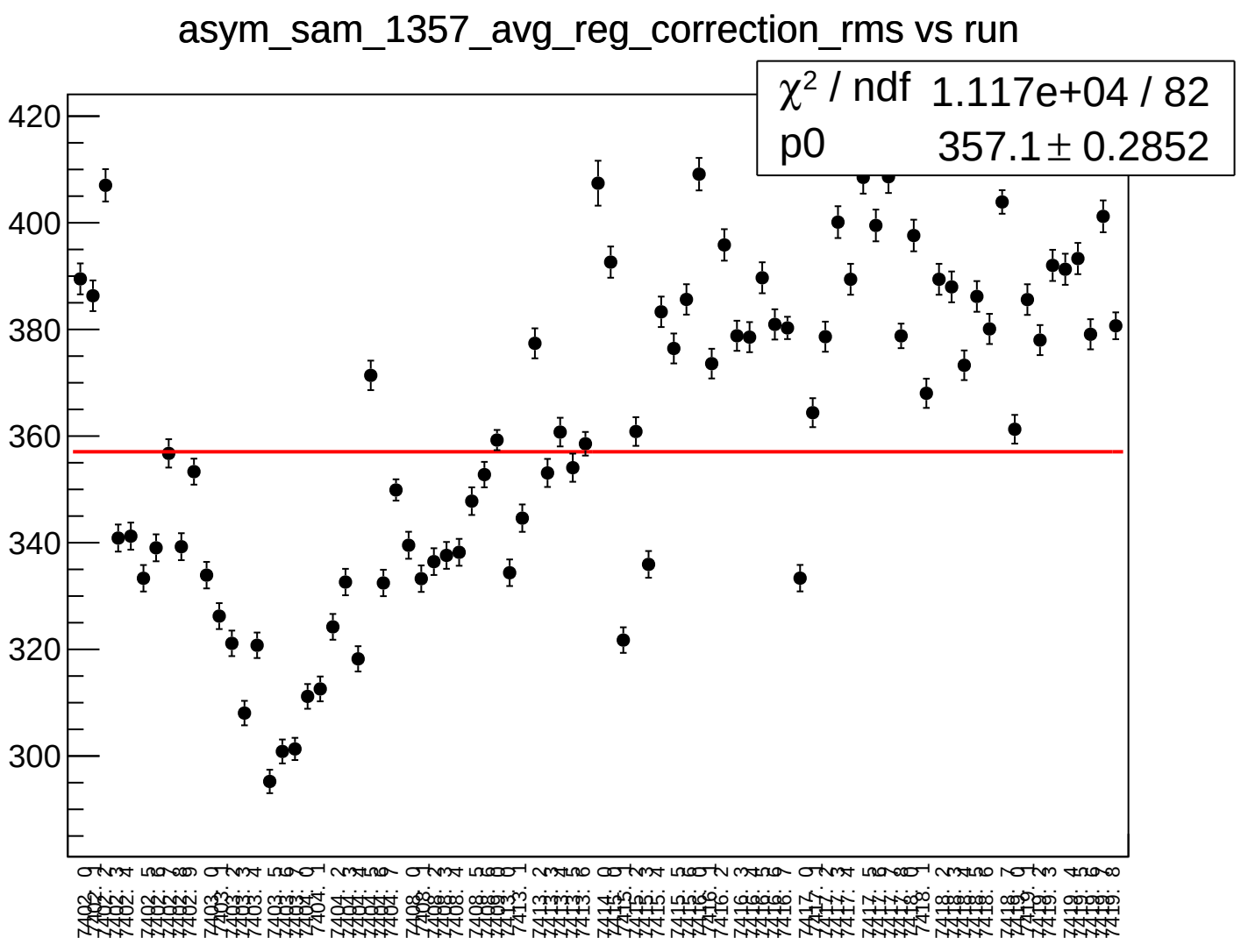

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 74.2 / 82
p0 −22.1 ± 73.45
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 174.5
Std Dev 0
2
1
0
−1
−2

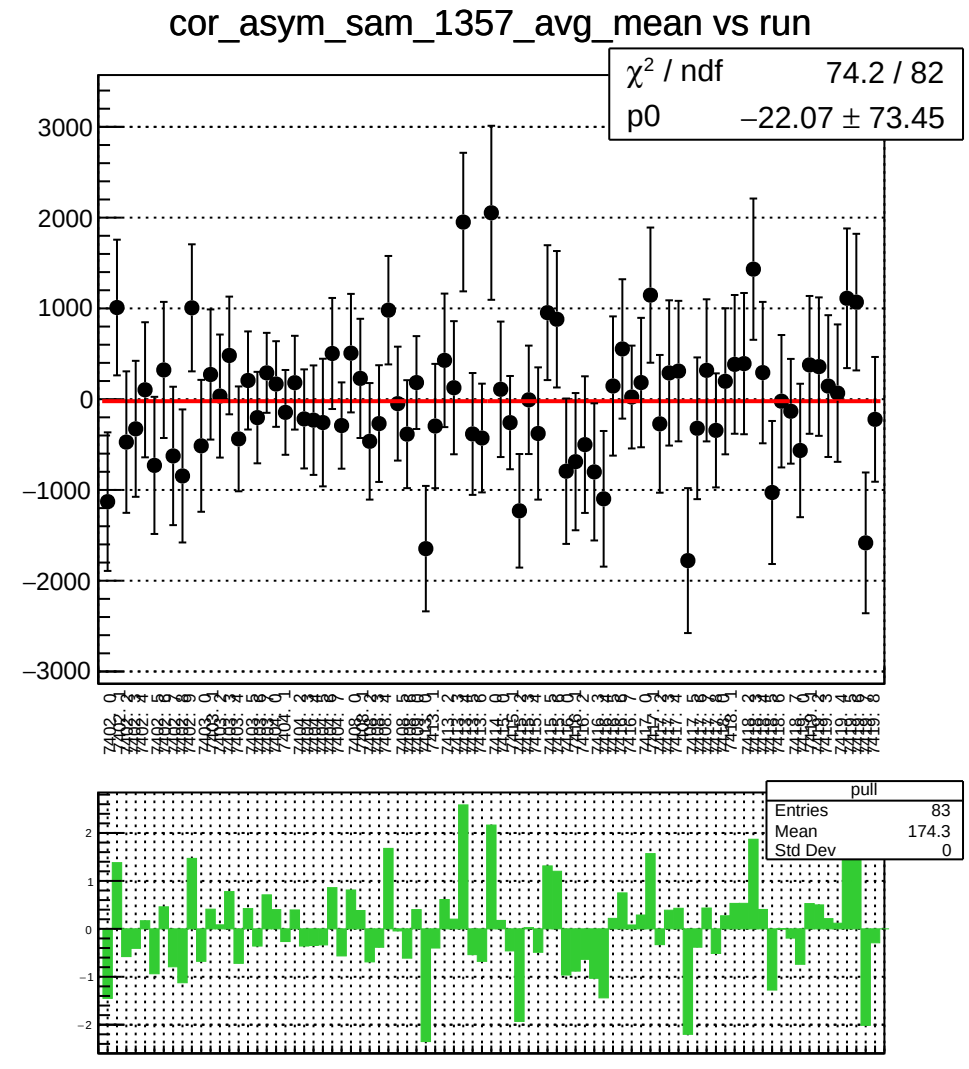

pull1D
Entries 83
Mean 0.009135
Std Dev 0.9455
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

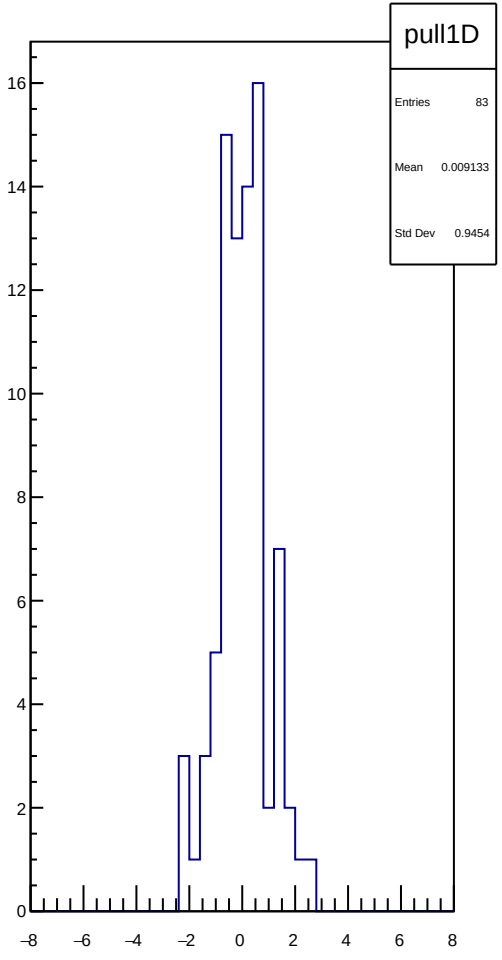

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 3.398e+04 / 82
p0 64.55 ± 0.05193
80
75
70
65
60
55
50
45

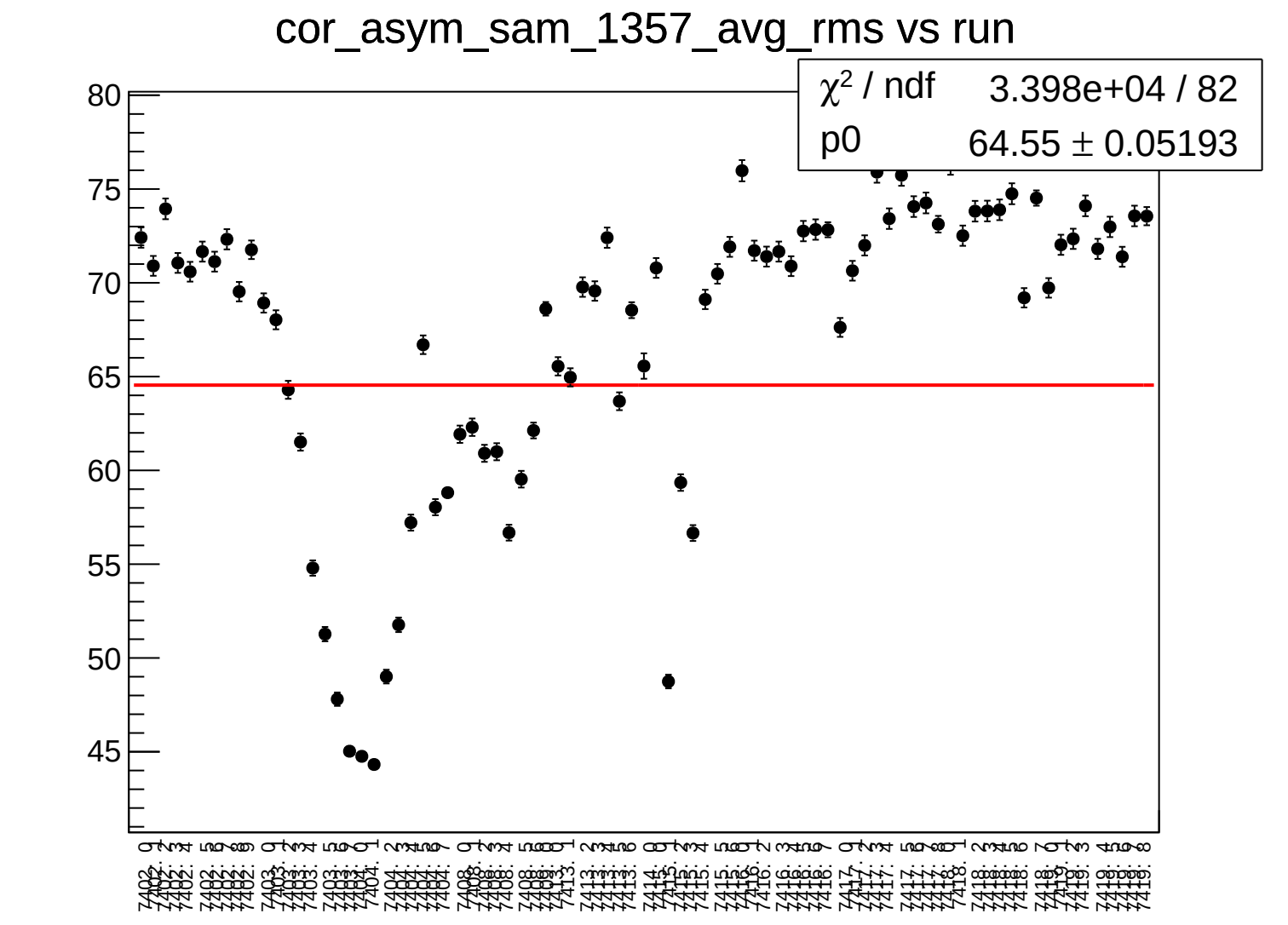

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 72.39 / 82
p0 −14.04 ± 403.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 84.53
Std Dev 23.79
2
1
0
−1
−2

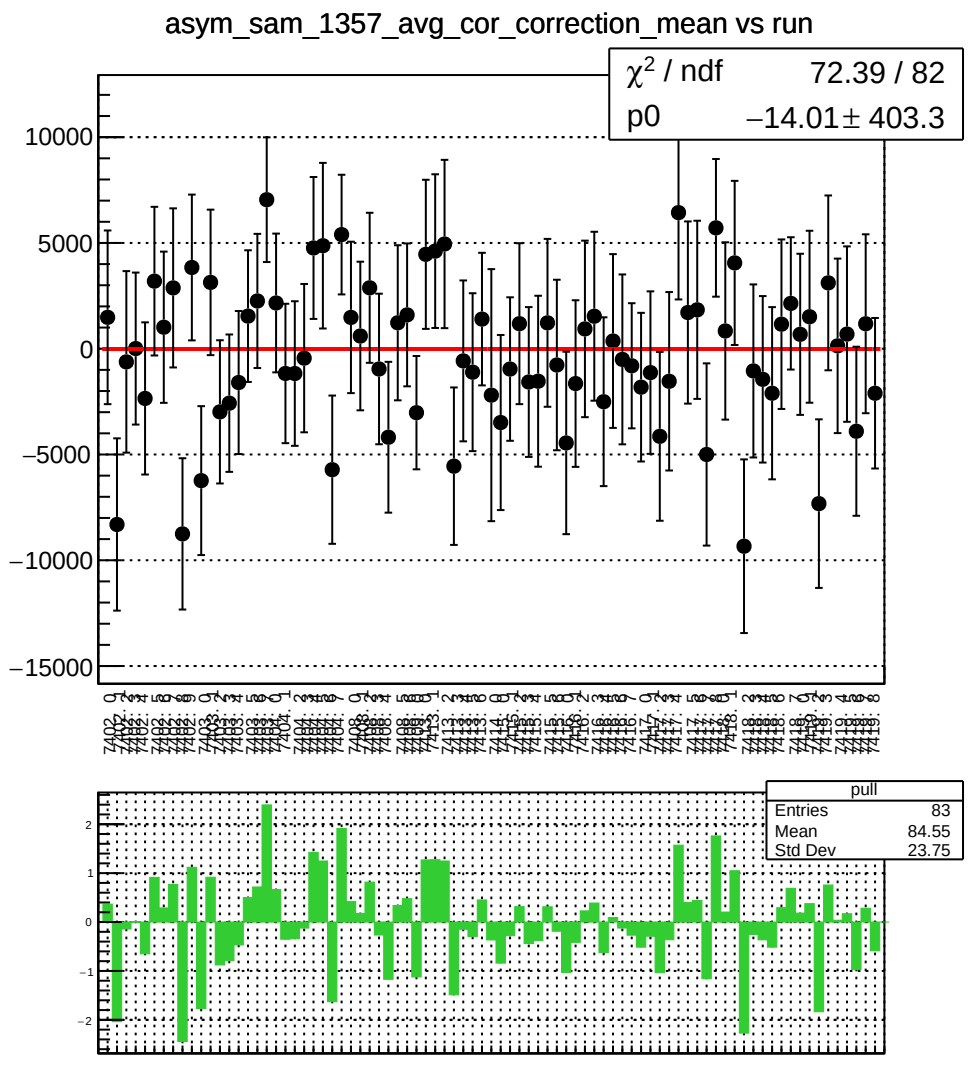

pull1D
Entries 83
Mean −0.02361
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

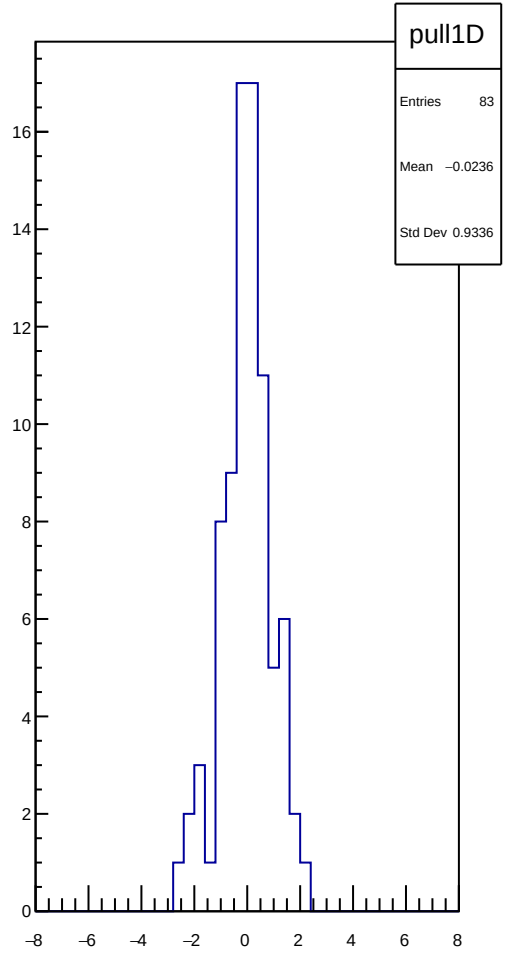

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1.117e+04 / 82
p0 357.1 ± 0.2852
420
400
380
360
340
320
300

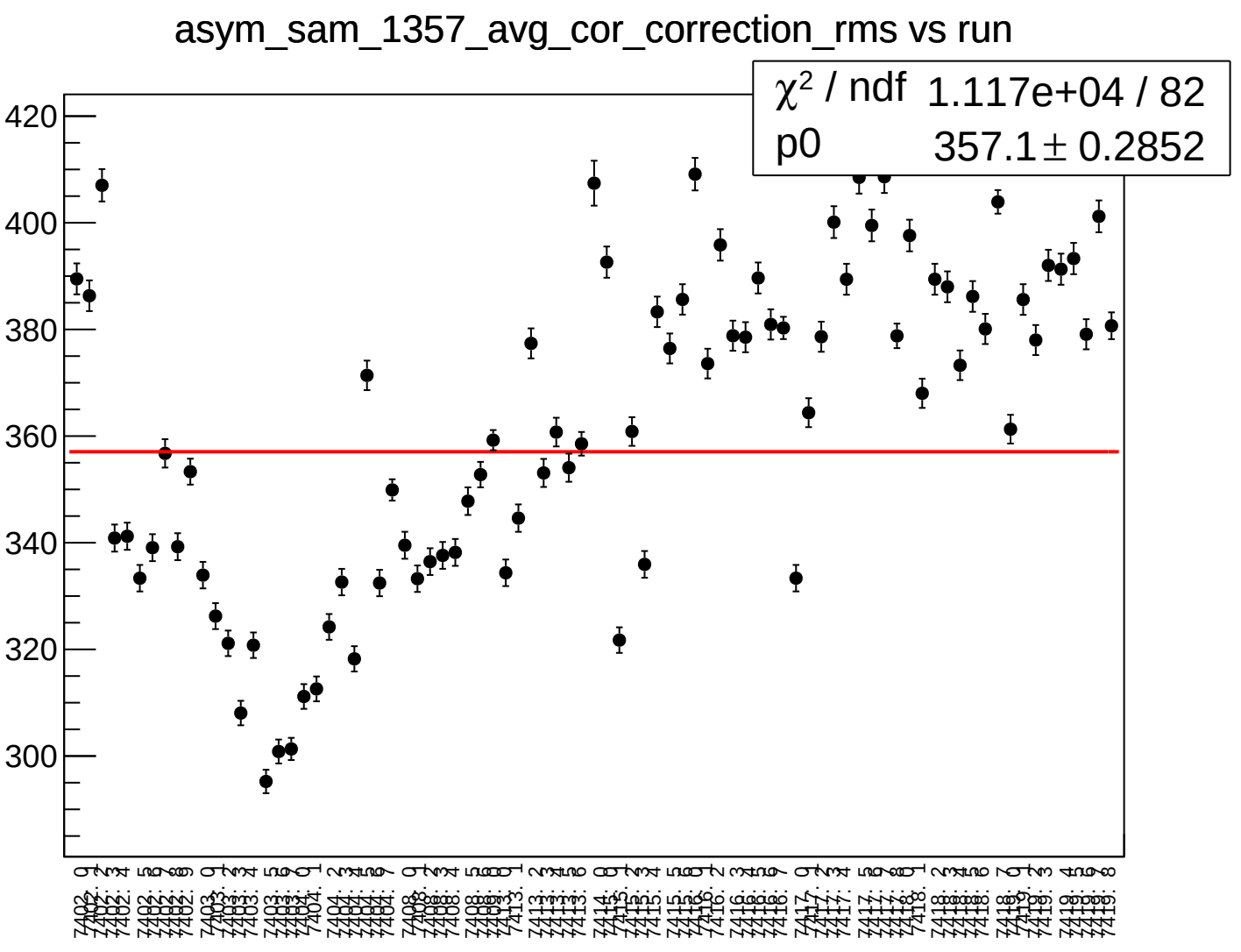

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 74.2 / 82
p0 −22.07 ± 73.45
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 174.3
Std Dev 0
2
1
0
−1
−2

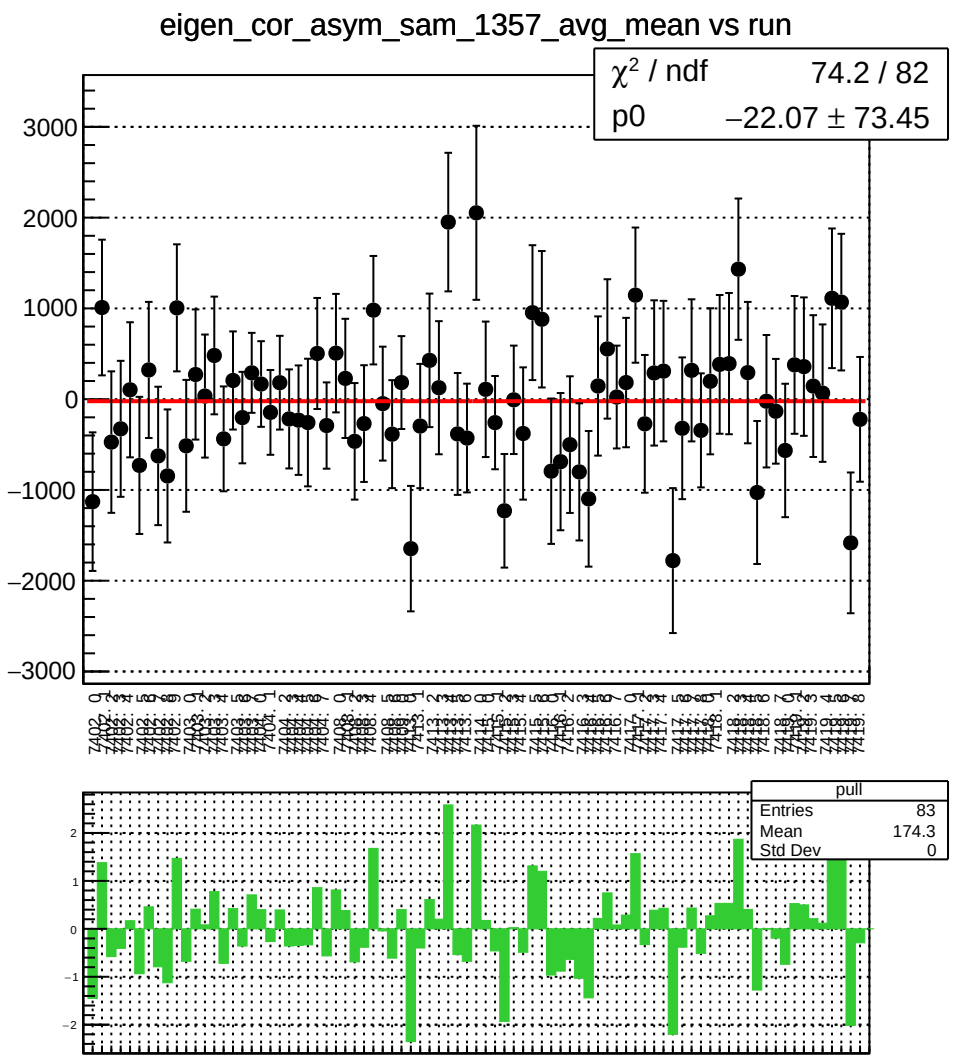

pull1D
Entries 83
Mean 0.009133
Std Dev 0.9454
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

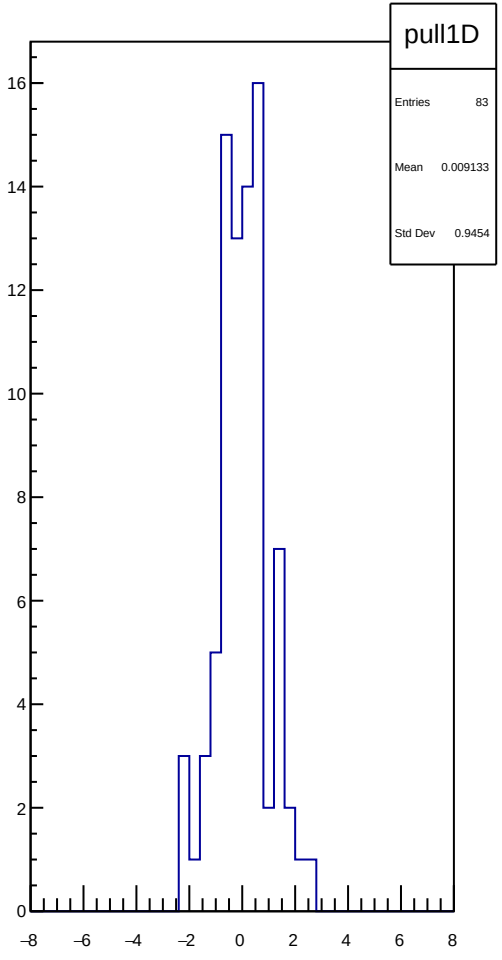

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 3.398e+04 / 82
p0 64.55 ± 0.05193
80
75
70
65
60
55
50
45

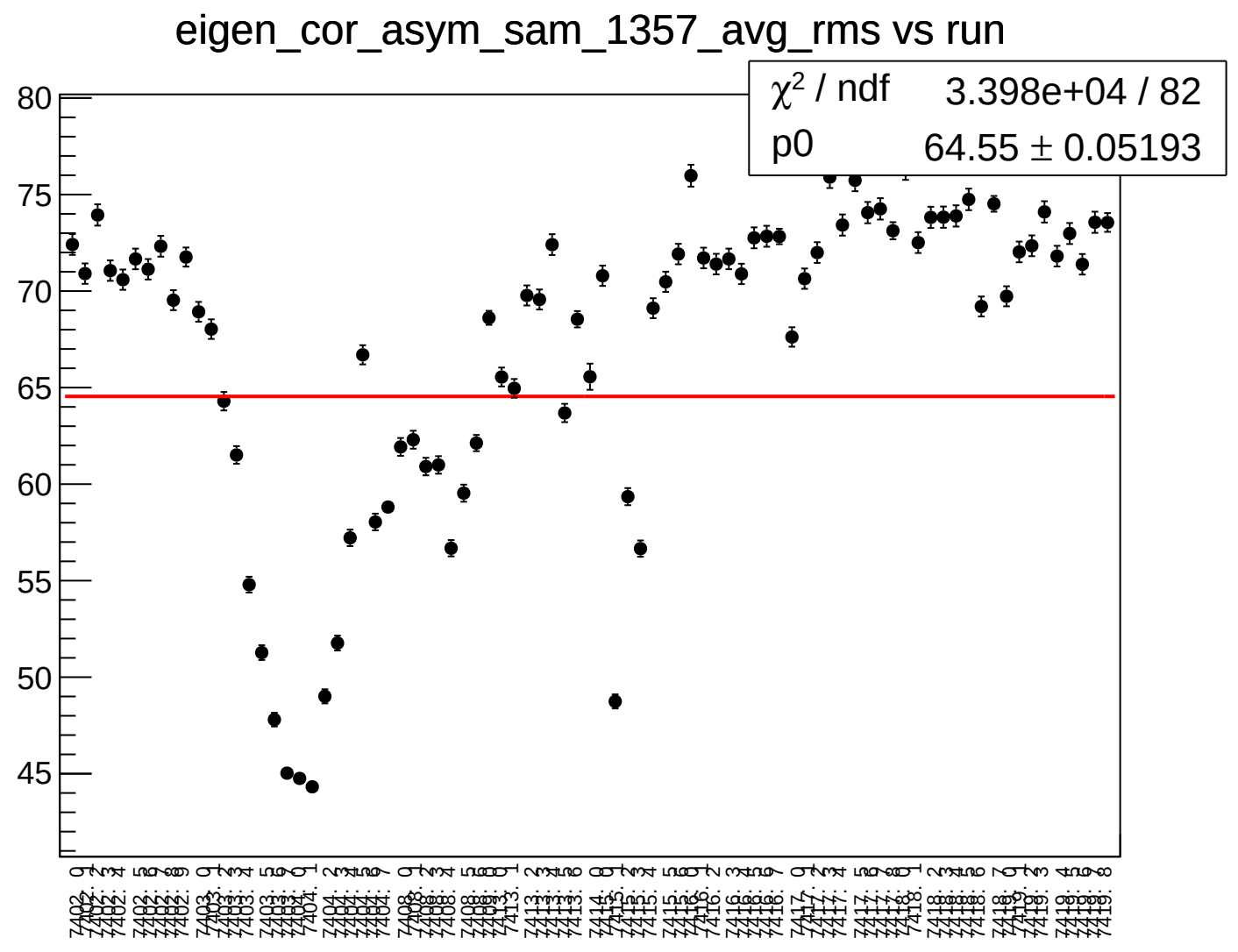

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 72.39 / 82
p0 −14.01± 403.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 84.55
Std Dev 23.75
2
1
0
−1
−2

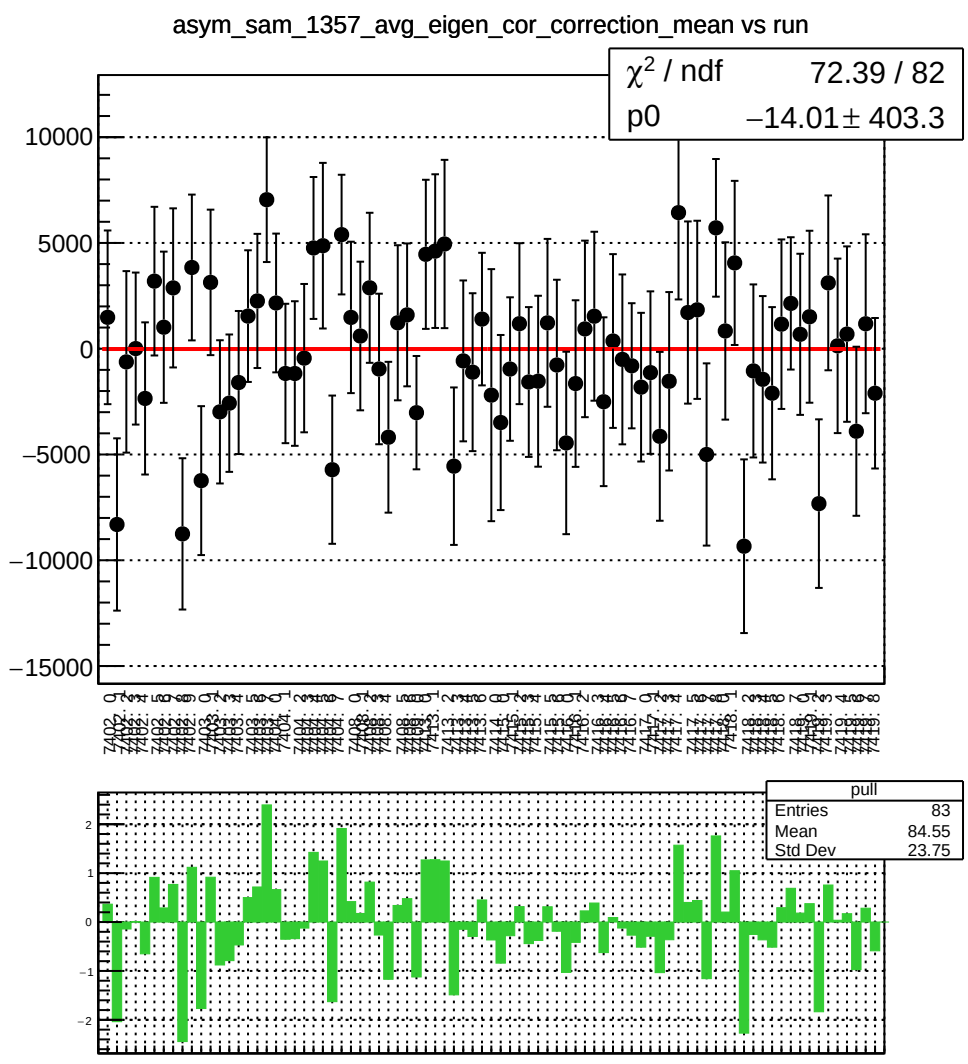

pull1D
Entries 83
Mean −0.0236
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

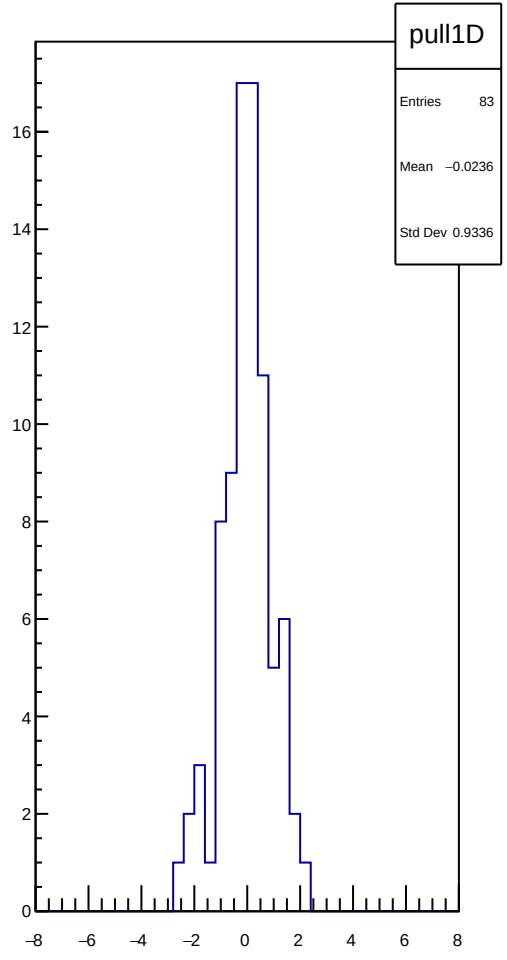

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1.117e+04 / 82
p0 357.1 ± 0.2852
420
400
380
360
340
320
300

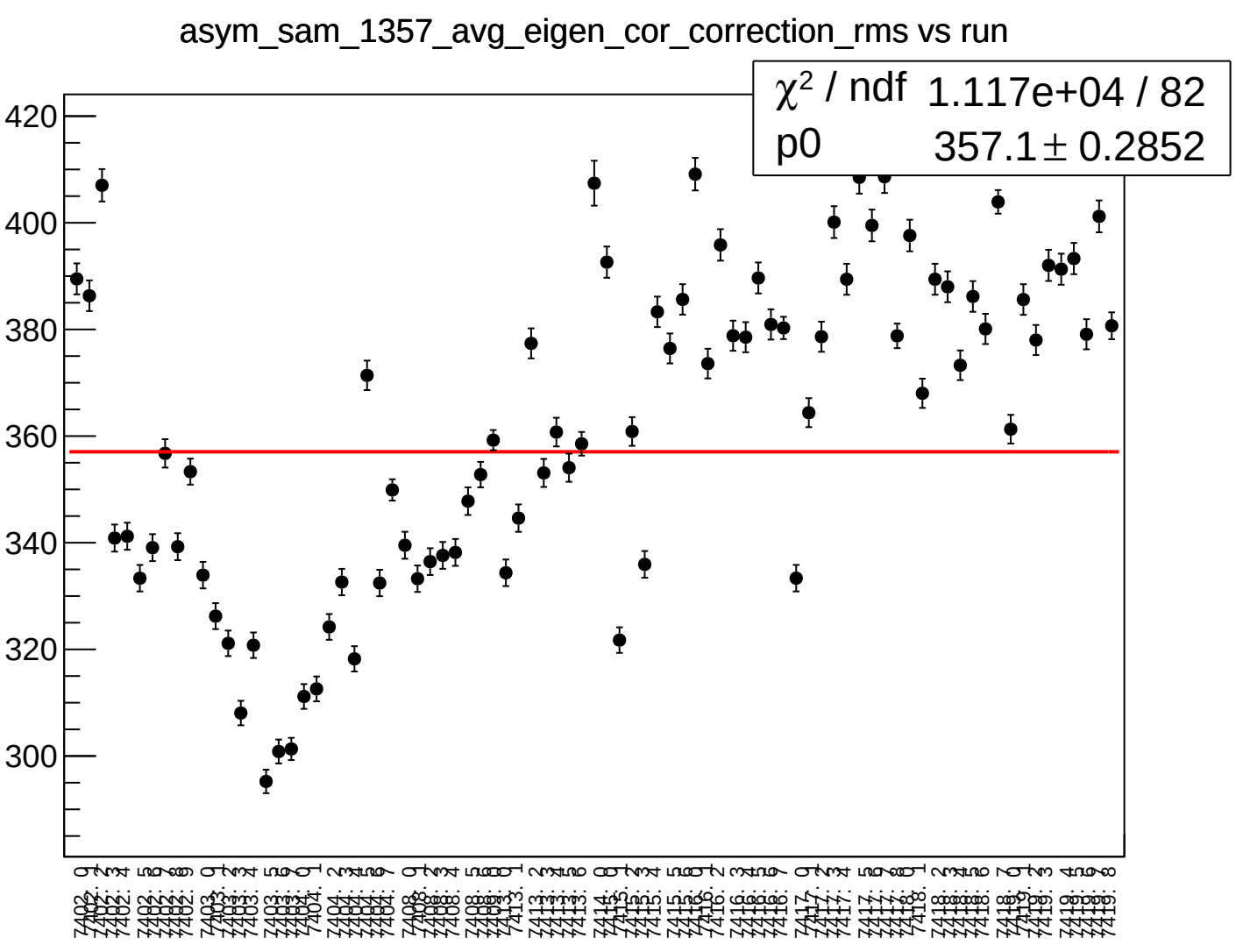

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 74.2 / 82
p0 −22.07 ± 73.45
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 83
Mean 174.3
Std Dev 0
2
1
0
−1
−2

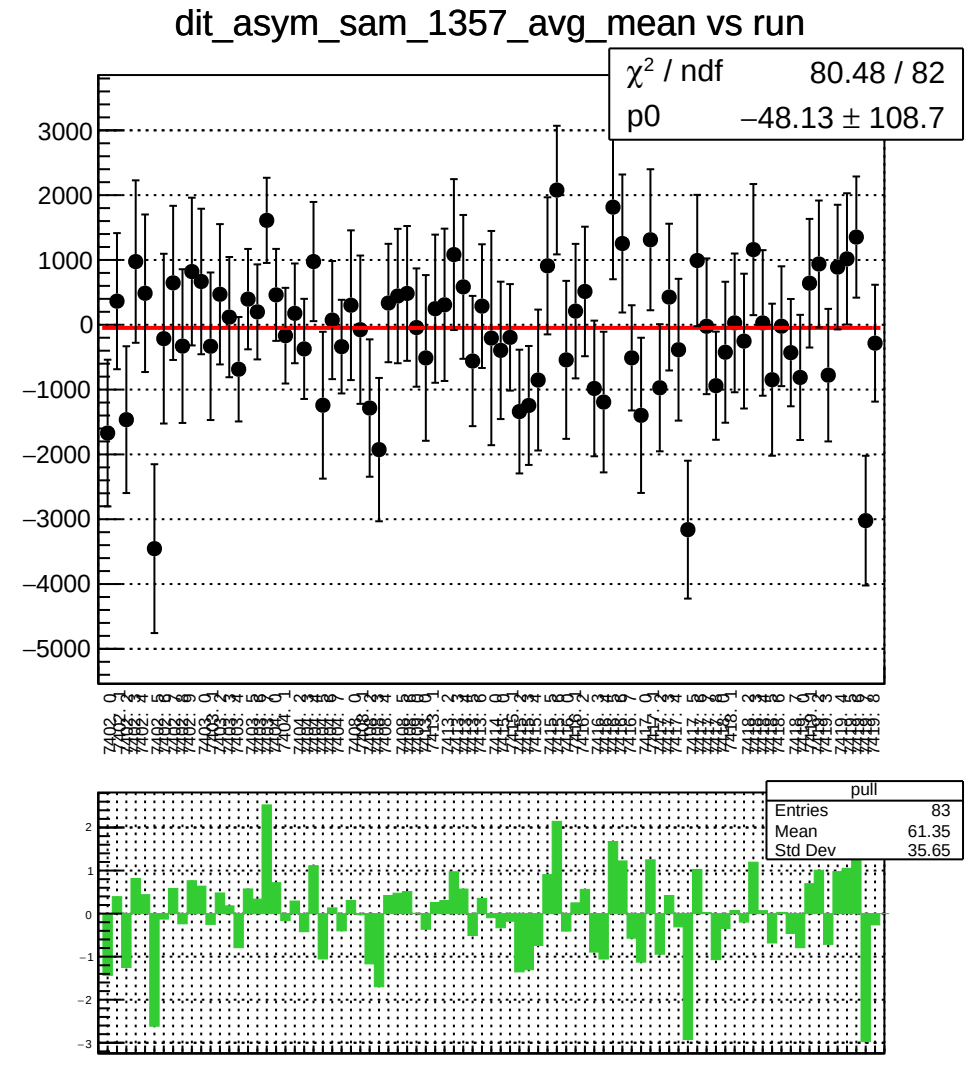

pull1D
Entries 83
Mean 0.009133
Std Dev 0.9454
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

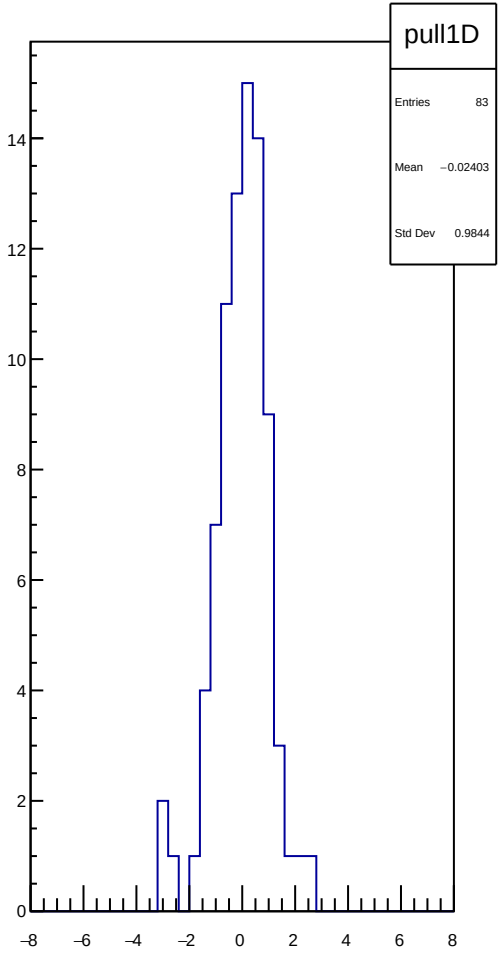

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 3.398e+04 / 82
p0 64.55 ± 0.05193
80
75
70
65
60
55
50
45

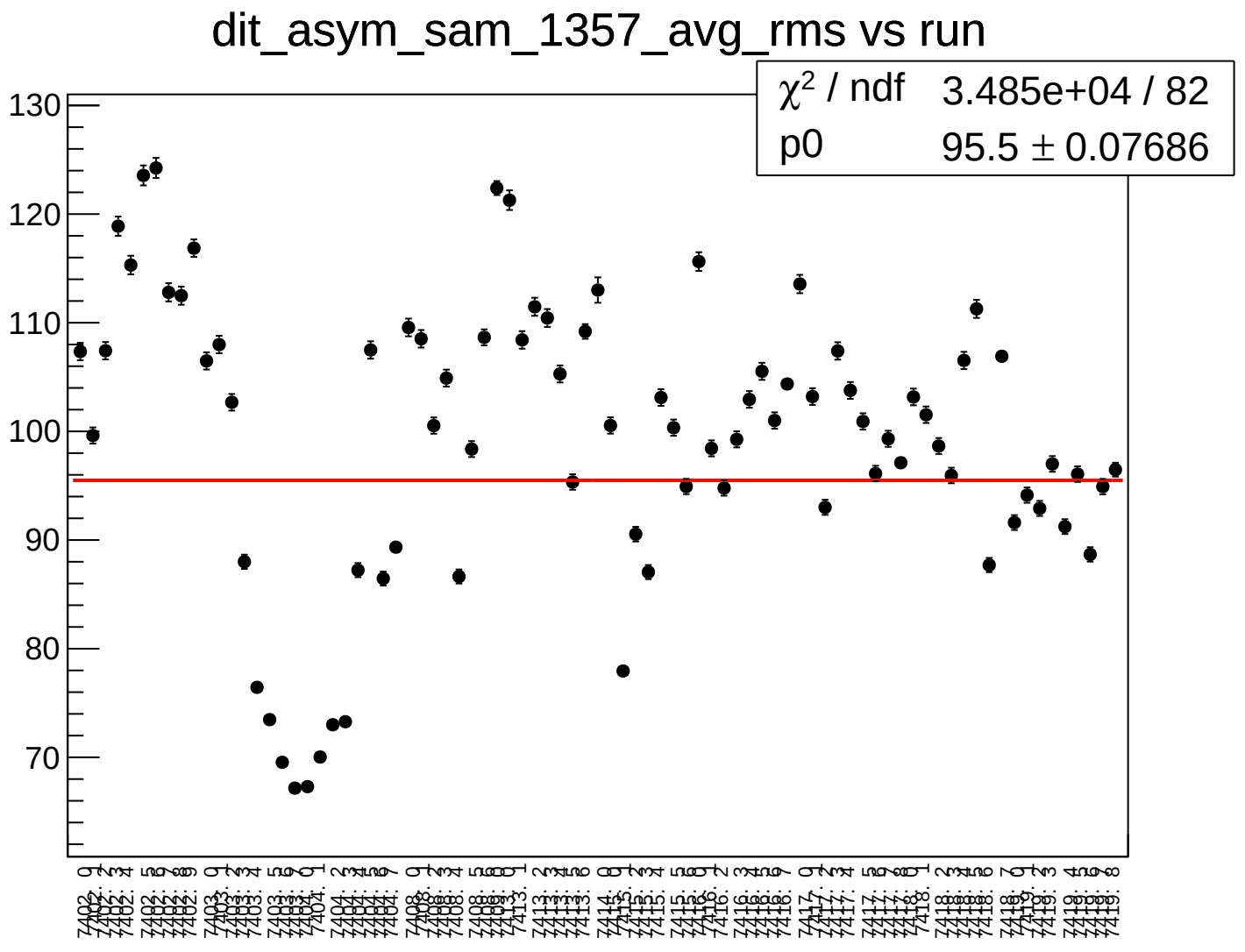

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.39 / 82
p0 −14.01± 403.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 84.55
Std Dev 23.75
2
1
0
−1
−2

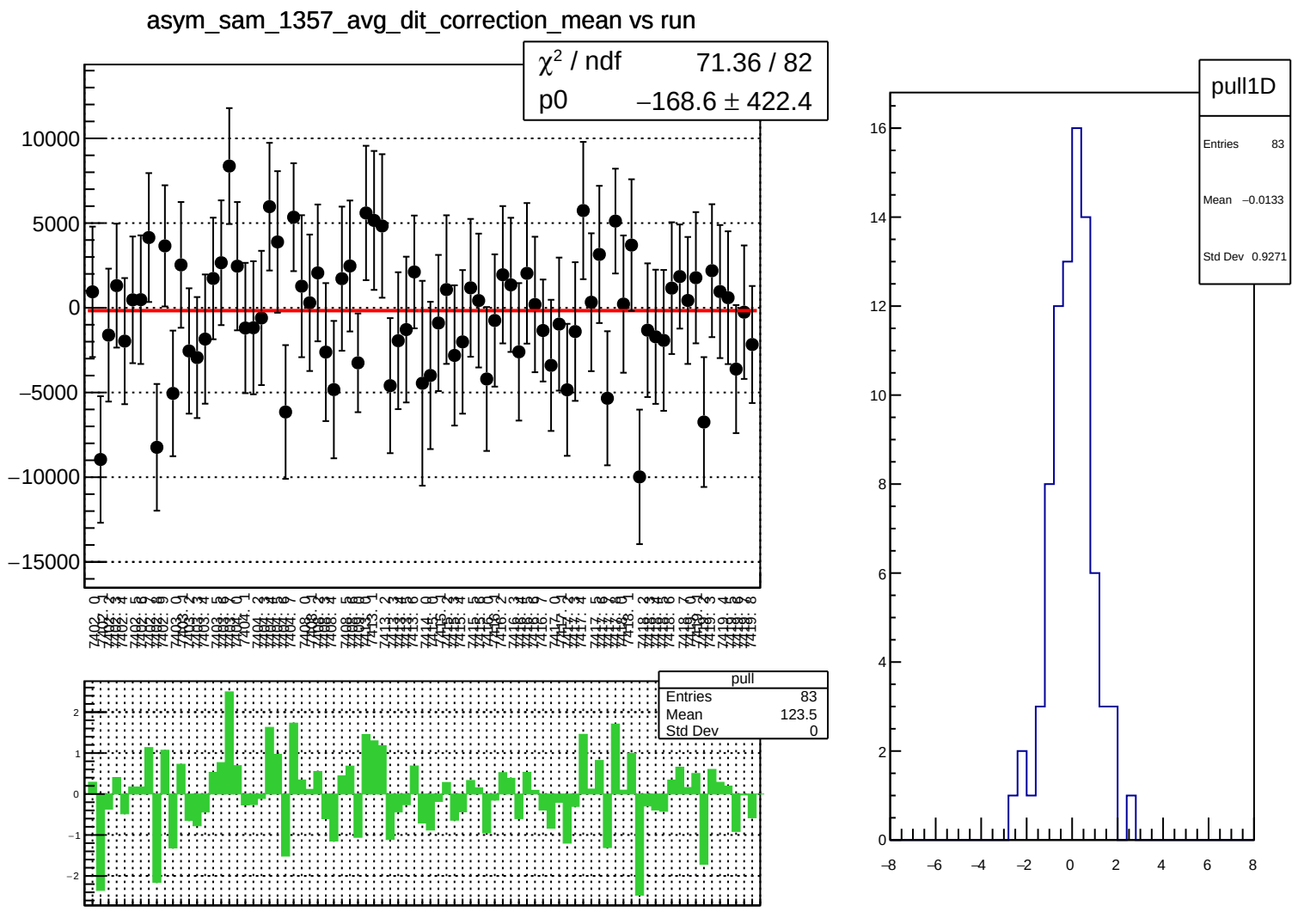

pull1D
Entries 83
Mean −0.0236
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

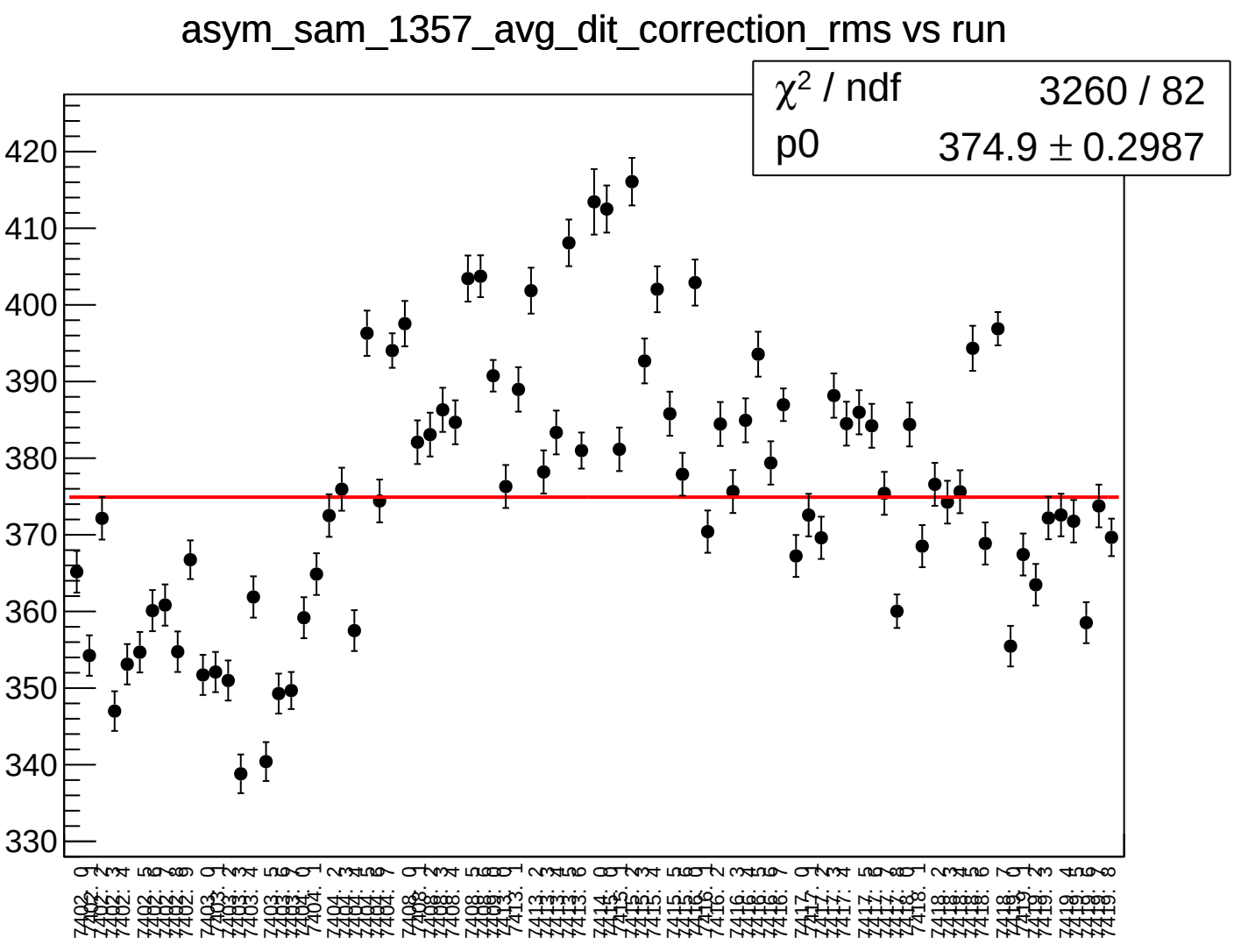

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.117e+04 / 82
p0 357.1 ± 0.2852
420
400
380
360
340
320
300

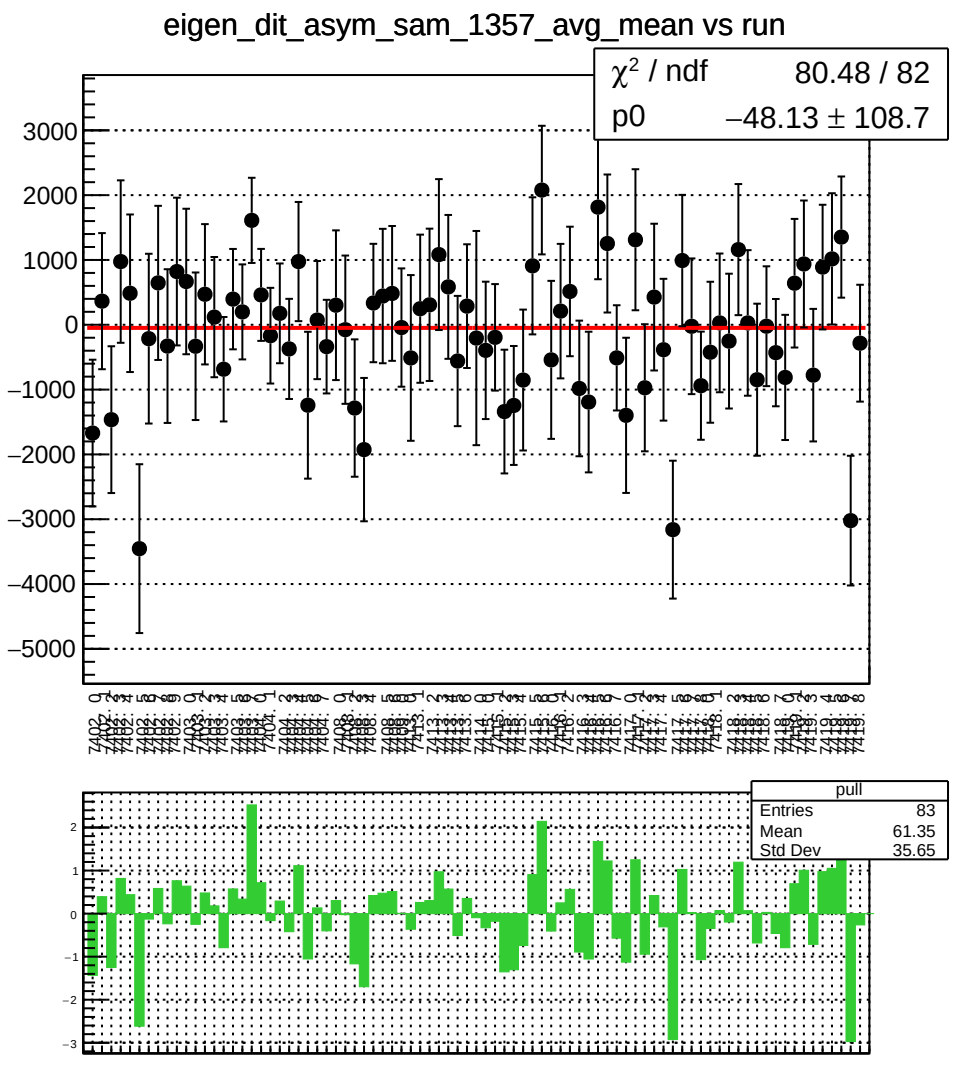

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 80.48 / 82
p0 −48.13 ± 108.7
pull
Entries 83
Mean 61.35
Std Dev 35.65

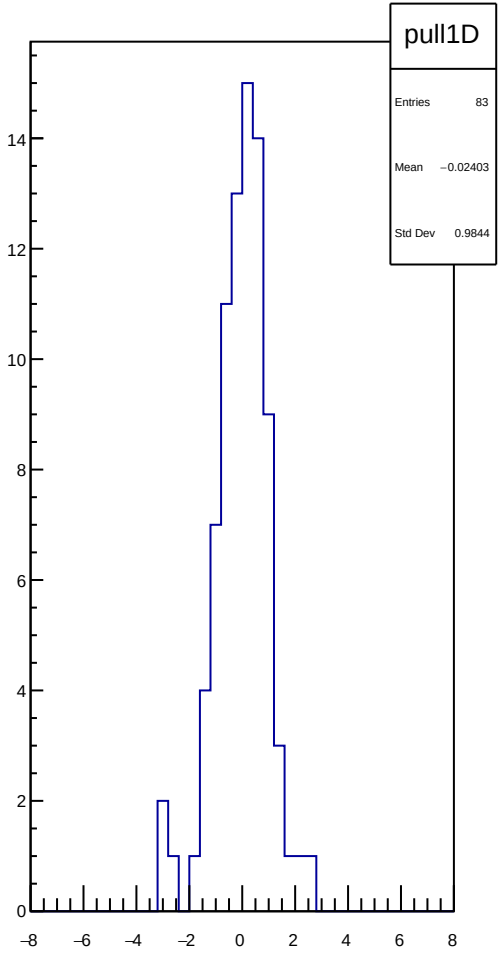

pull1D
Entries 83
Mean −0.02403
Std Dev 0.9844

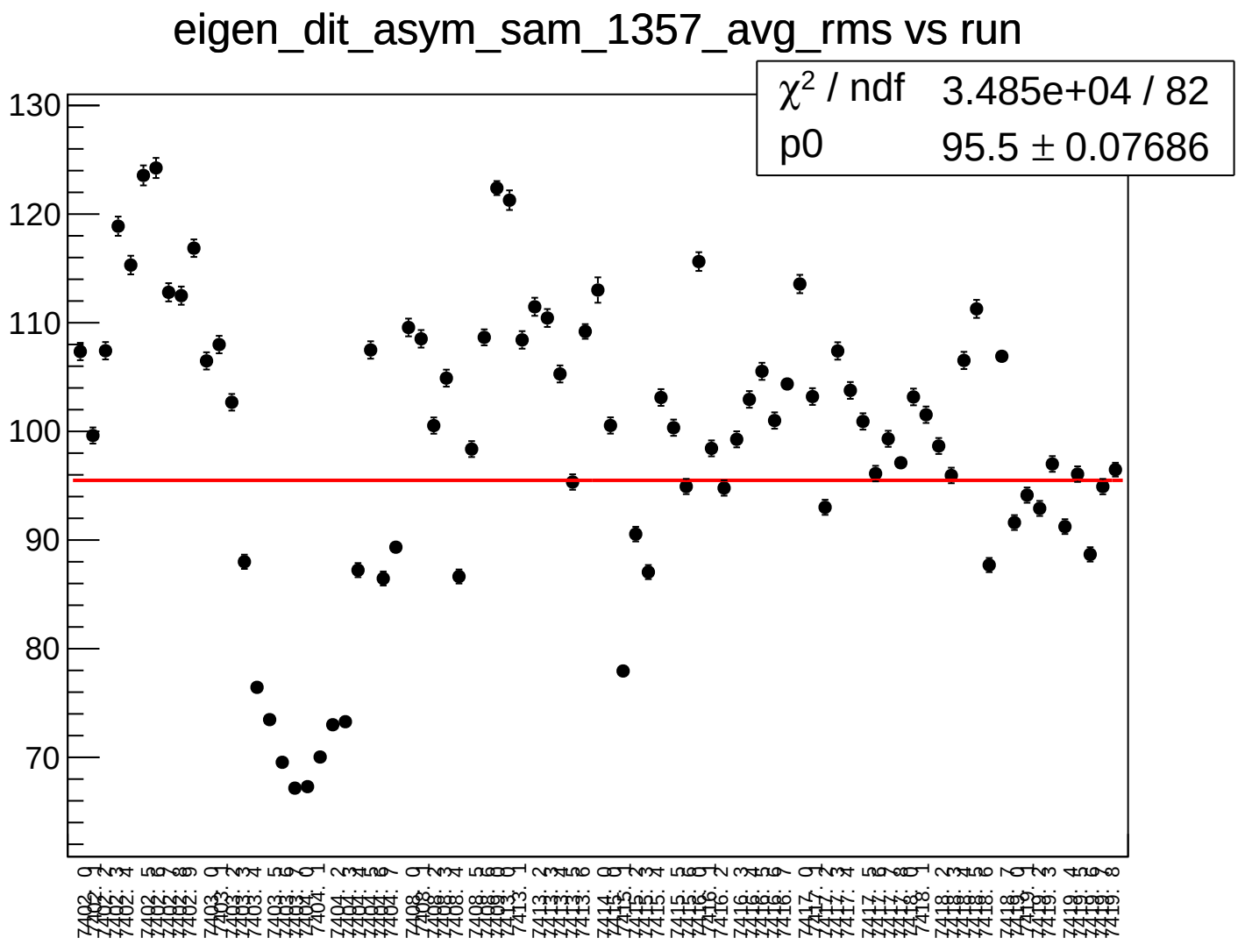

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.485e+04 / 82
p0 95.5 ± 0.07686
130
120
110
100
90
80
70

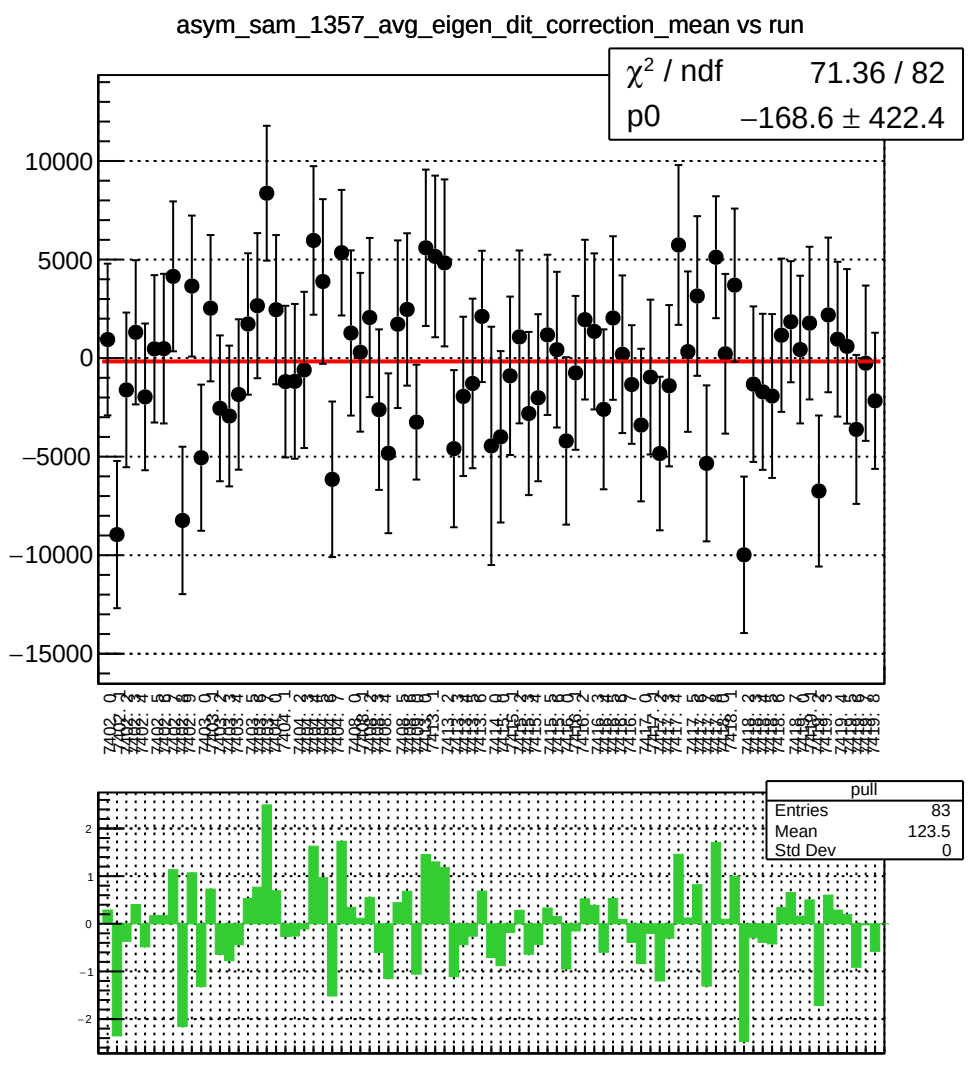

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 71.36 / 82
p0 −168.6 ± 422.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 123.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.0133
Std Dev 0.9271
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

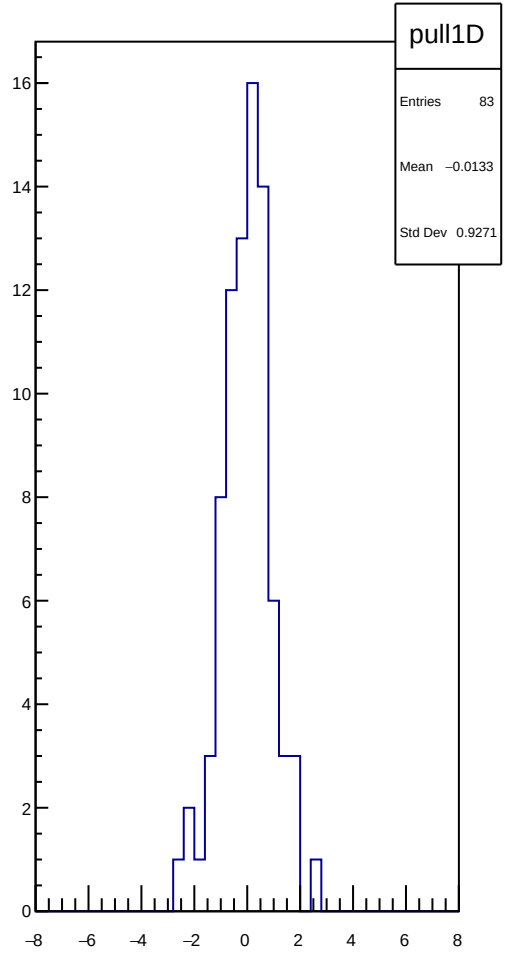

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 3260 / 82
p0 374.9 ± 0.2987
420
410
400
390
380
370
360
350
340
330

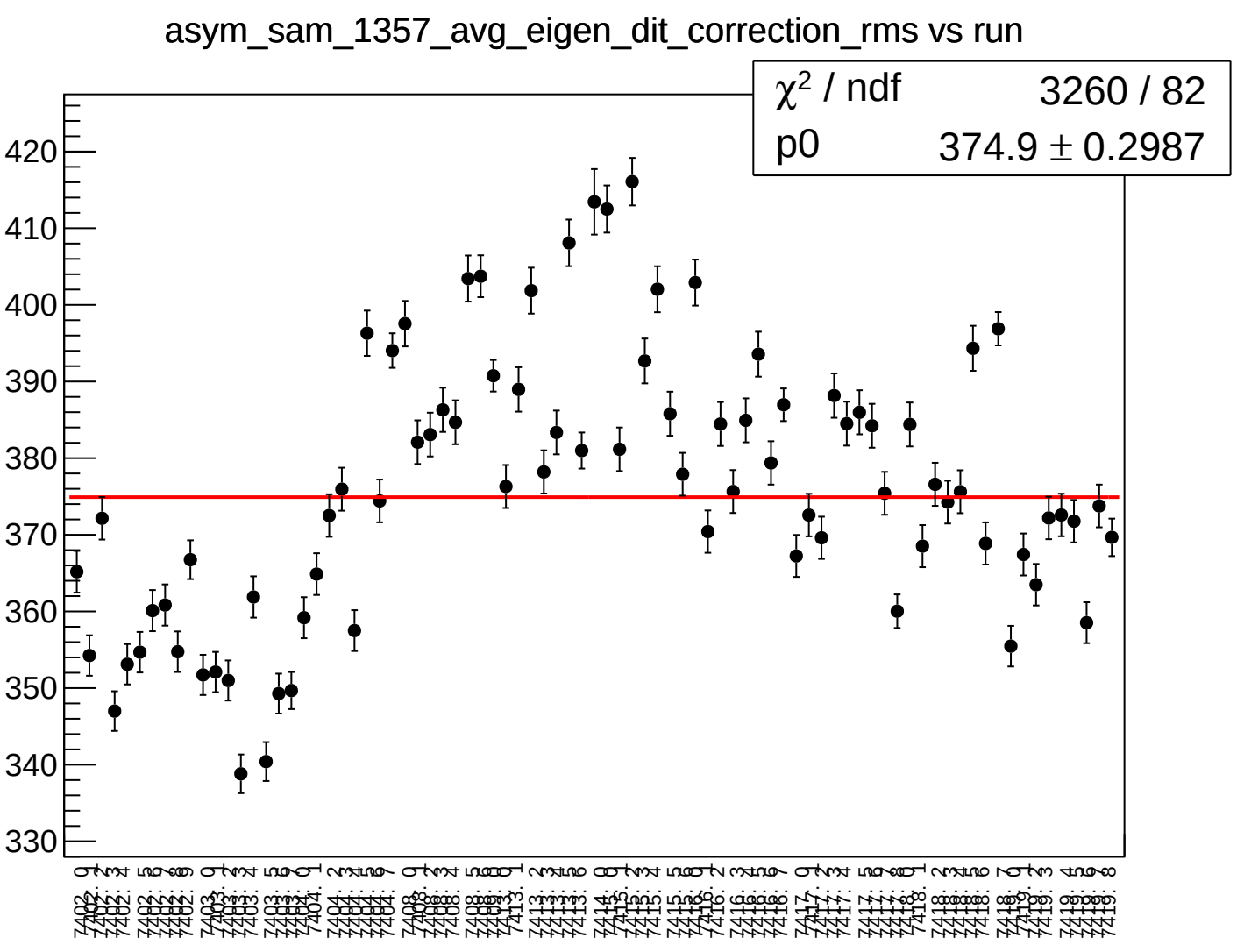

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 80.48 / 82
p0 −48.13 ± 108.7
pull
Entries 83
Mean 61.35
Std Dev 35.65

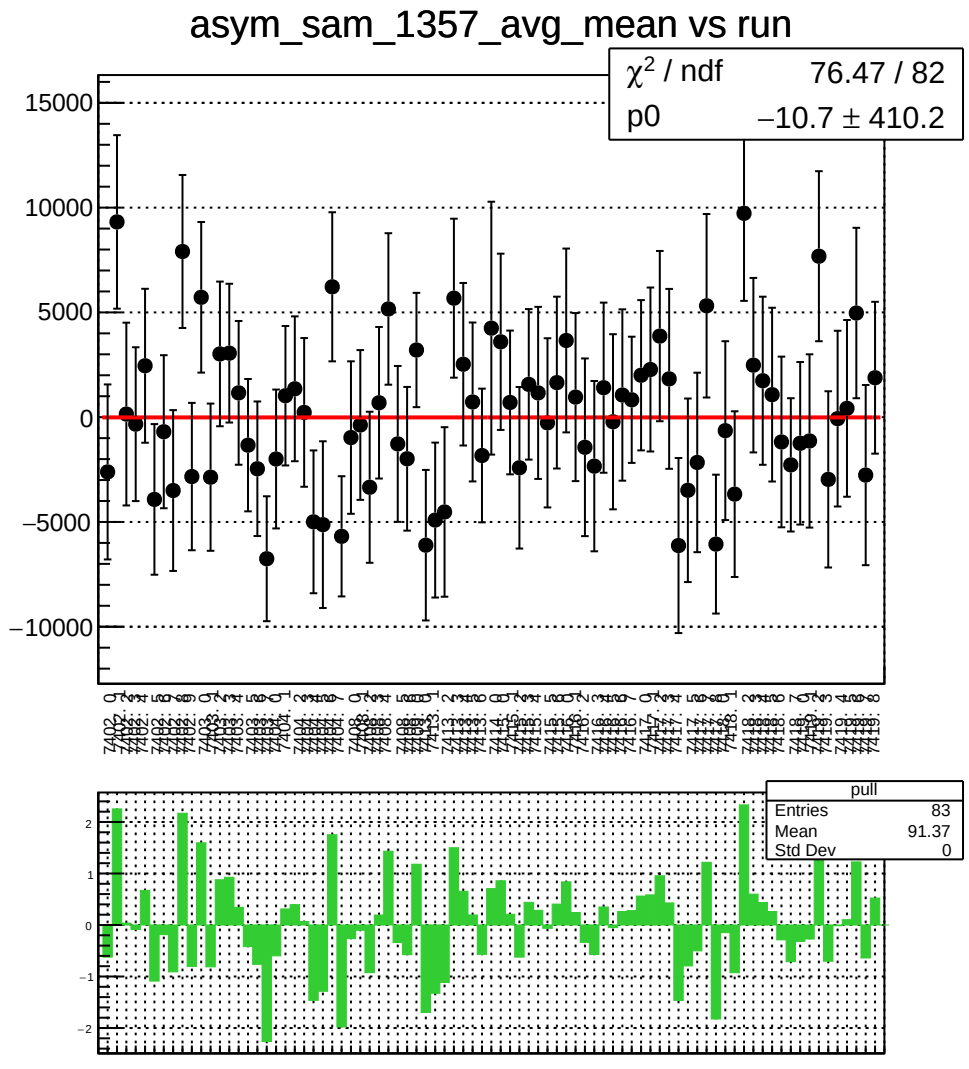

pull1D
Entries 83
Mean −0.02403
Std Dev 0.9844

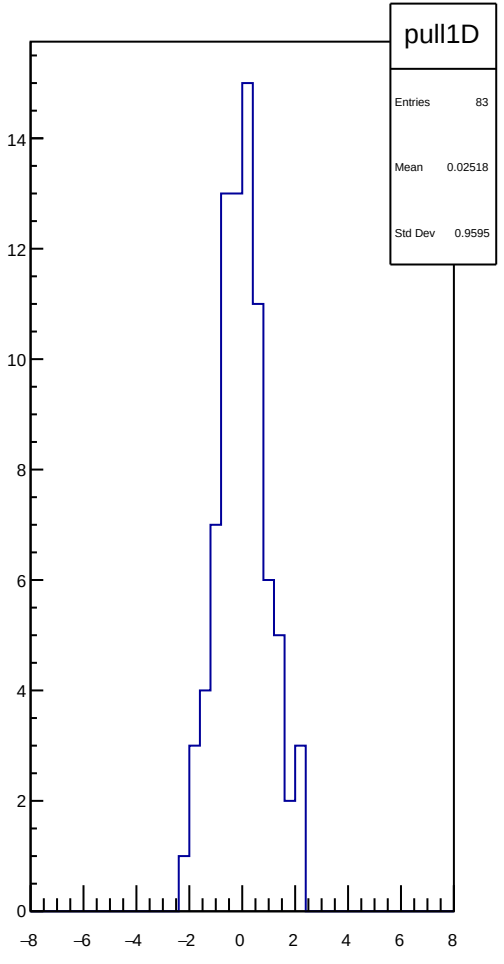

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 3.485e+04 / 82
p0 95.5 ± 0.07686
130
120
110
100
90
80
70

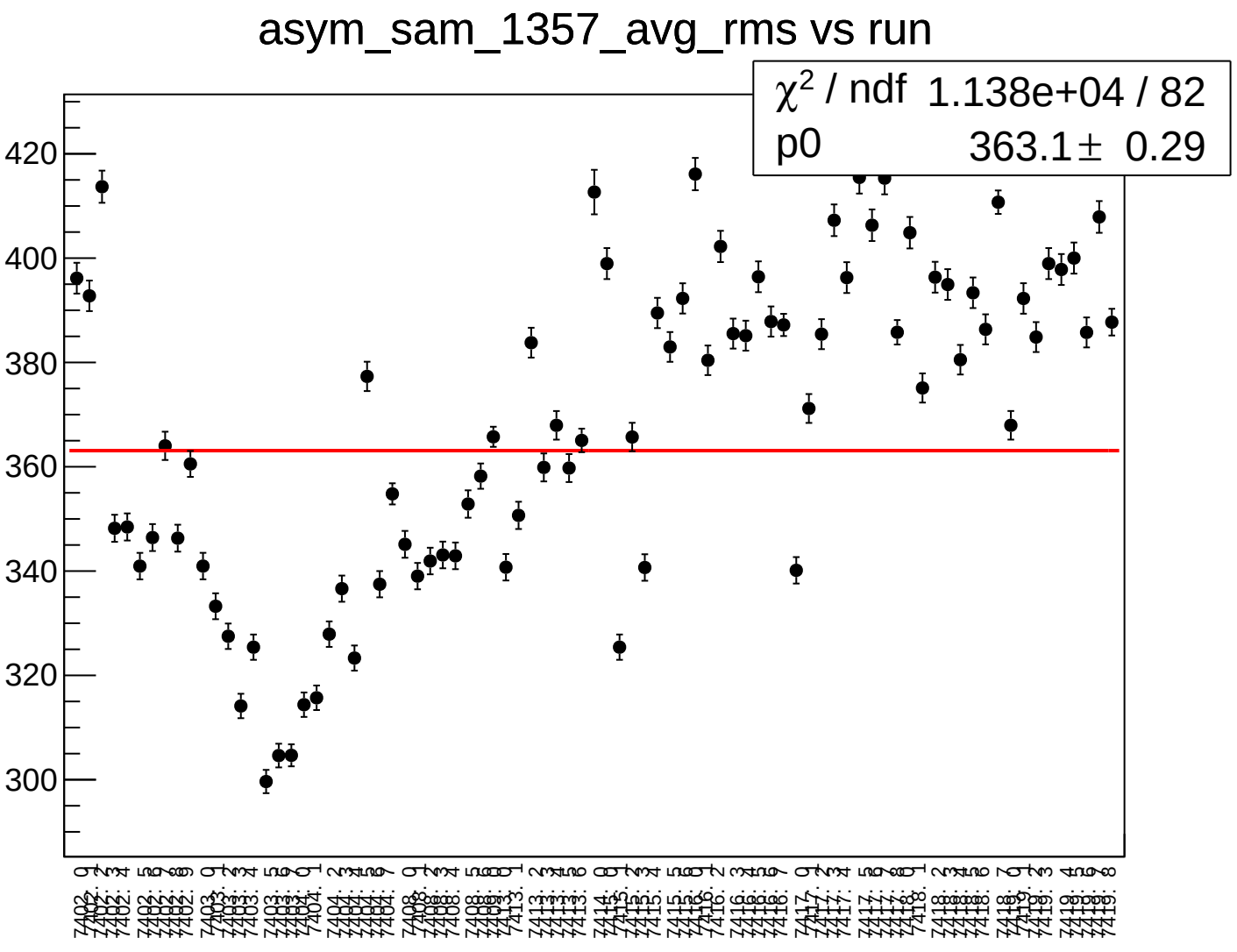

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.36 / 82
p0 −168.6 ± 422.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean 123.5
Std Dev 0
2
1
0
−1
−2

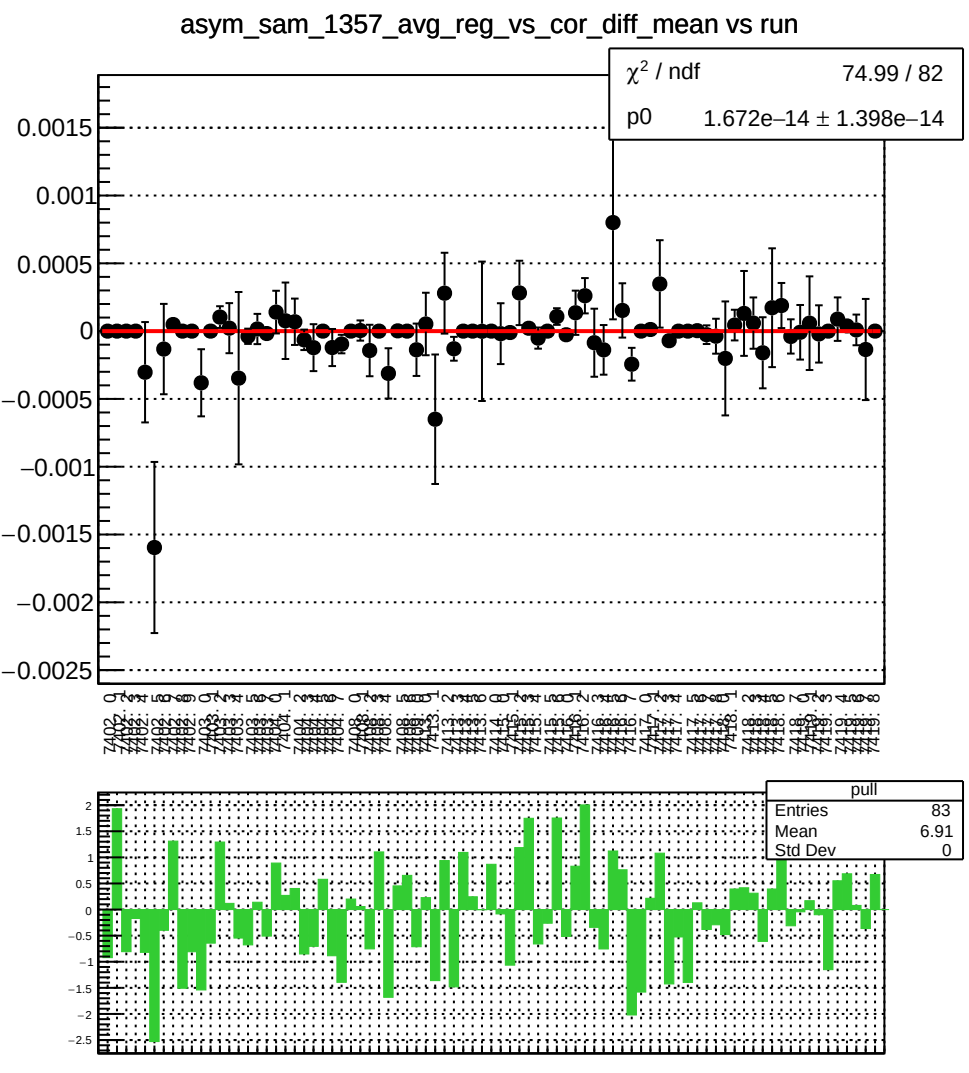

pull1D
Entries 83
Mean −0.0133
Std Dev 0.9271
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

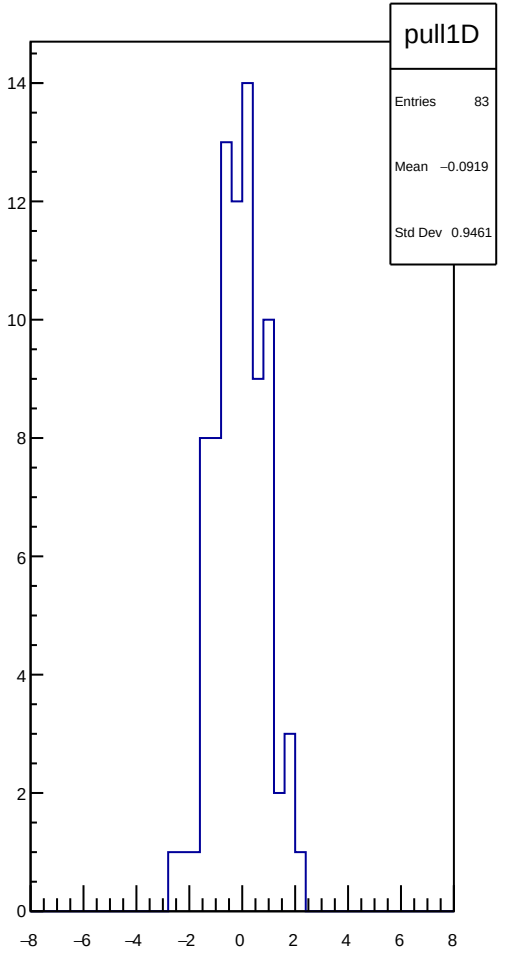

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 3260 / 82
p0 374.9 ± 0.2987
420
410
400
390
380
370
360
350
340
330

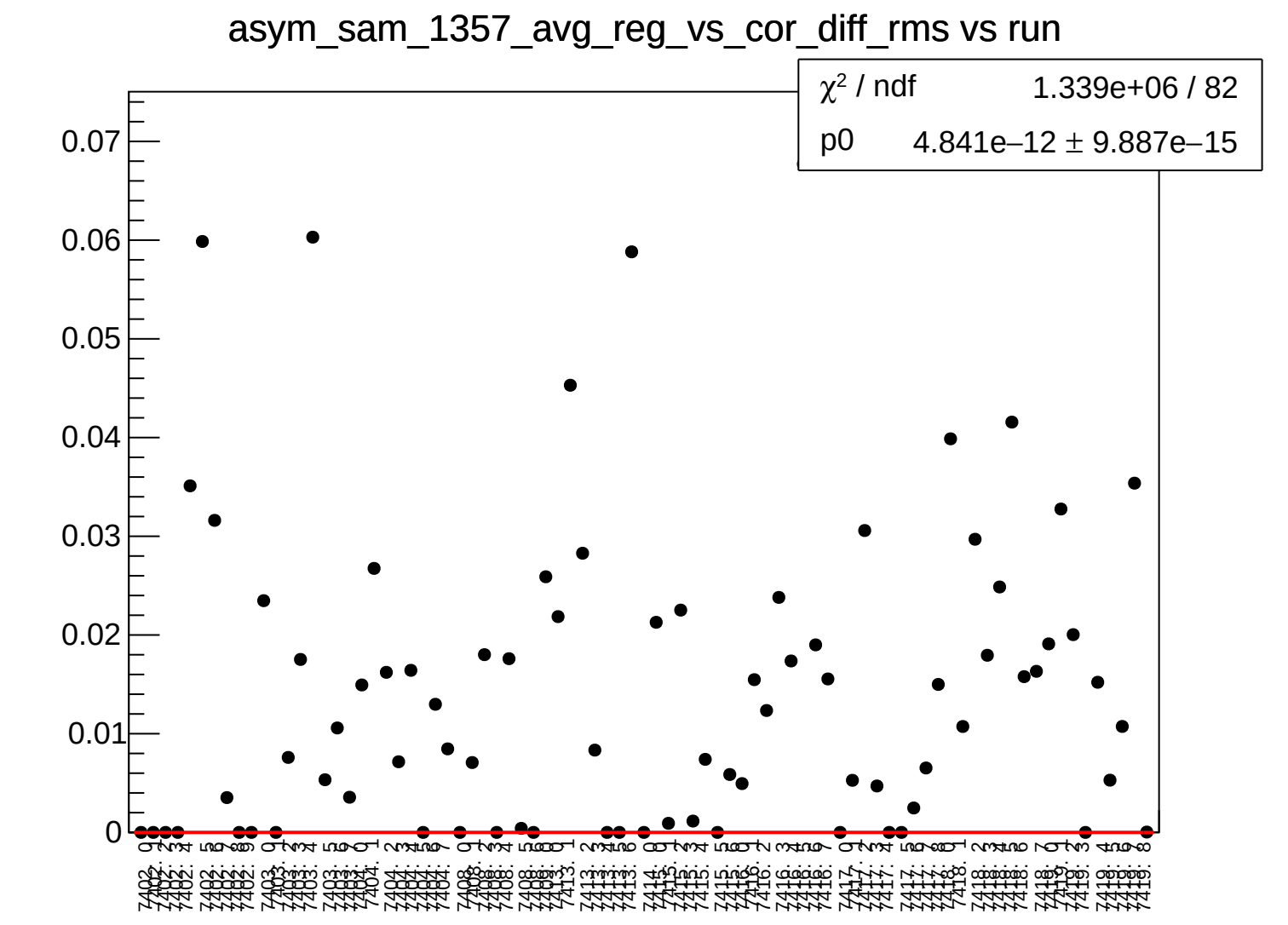

asym_sam_1357_avg_mean vs run
χ² / ndf 76.47 / 82
p0 −10.7 ± 410.2
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 91.37
Std Dev 0
2
1
0
−1
−2

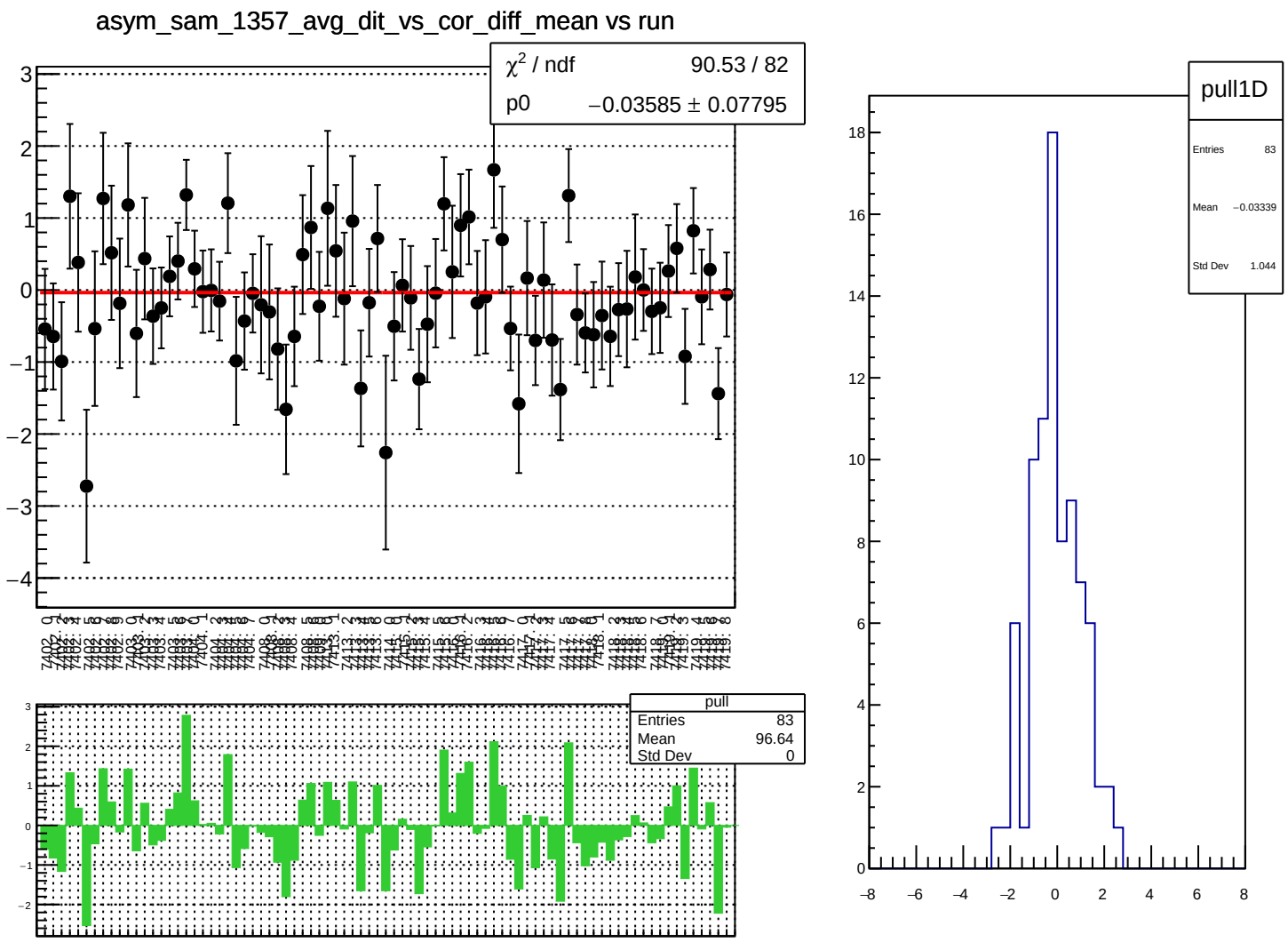

pull1D
Entries 83
Mean 0.02518
Std Dev 0.9595
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

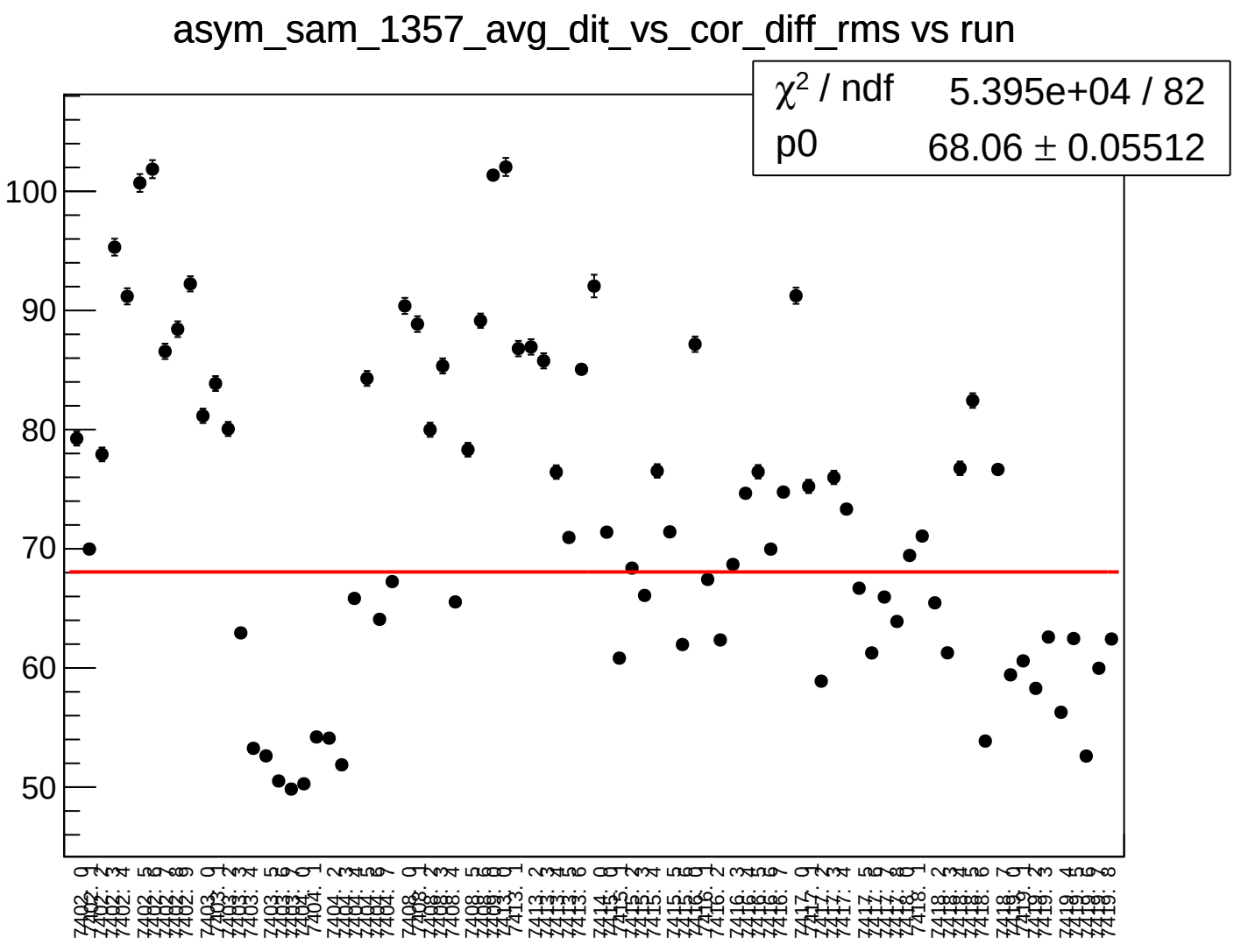

asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.138e+04 / 82
p0 363.1 ± 0.29
420
400
380
360
340
320
300

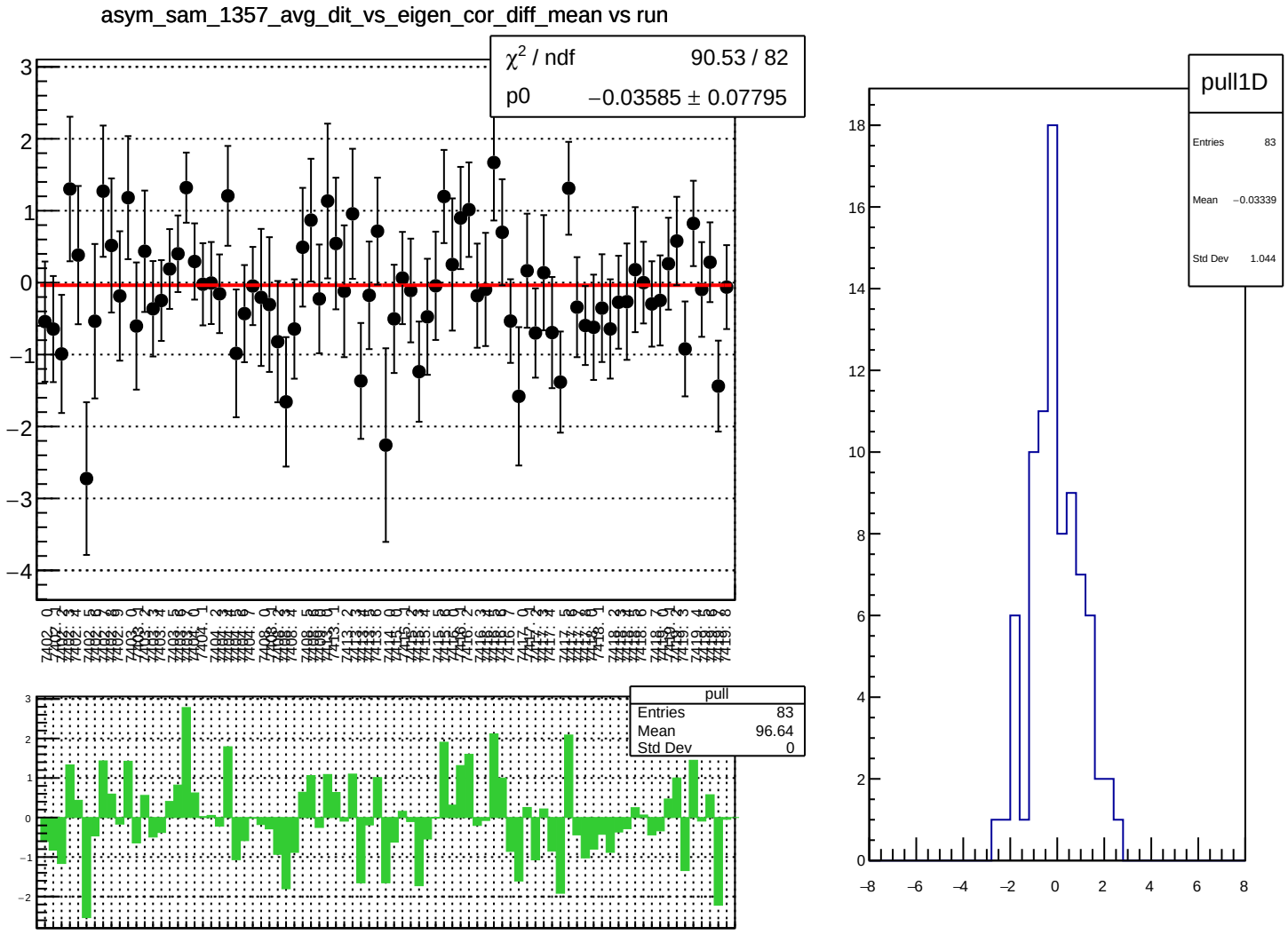

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 74.99 / 82
p0 1.672e−14 ± 1.398e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 83
Mean 6.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

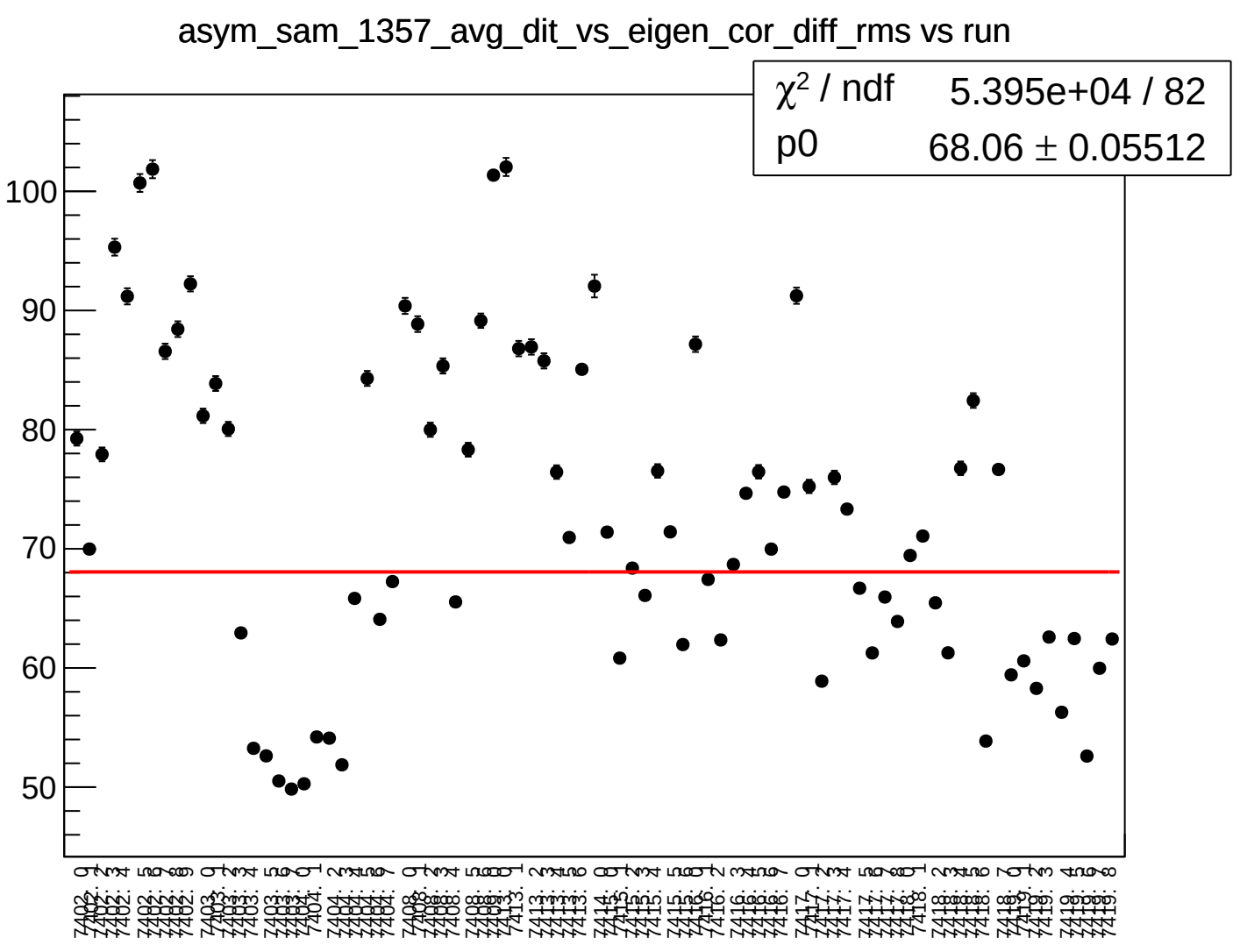

pull1D
Entries 83
Mean −0.0919
Std Dev 0.9461
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

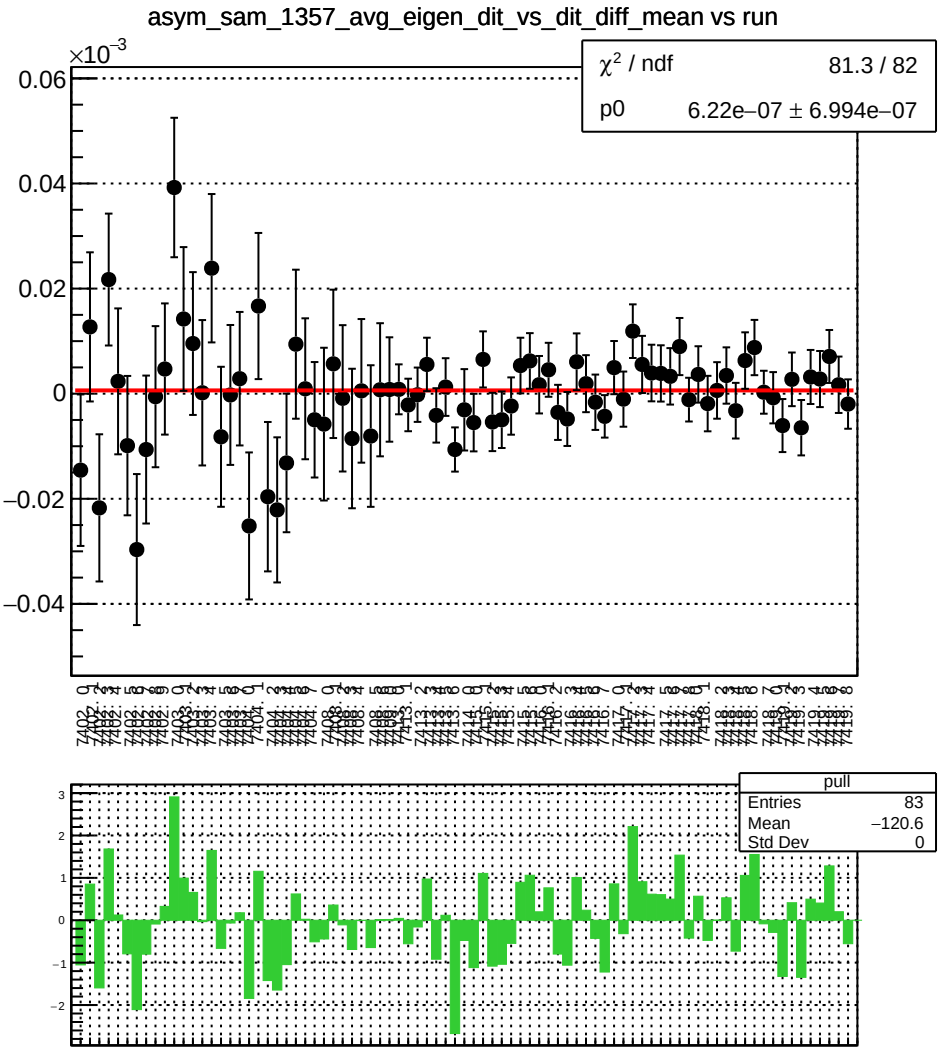

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.339e+06 / 82
p0 4.841e−12 ± 9.887e−15
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

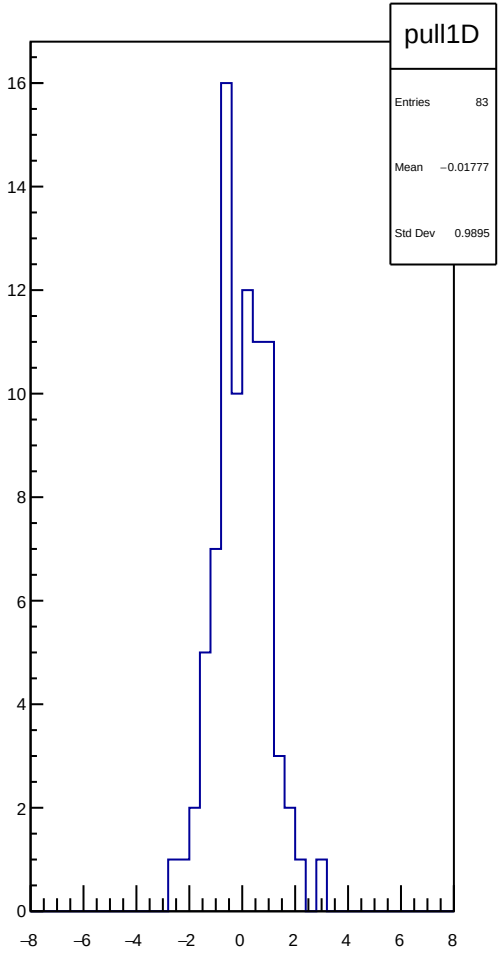

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 90.53 / 82
p0 −0.03585 ± 0.07795
pull
Entries 83
Mean 96.64
Std Dev 0
pull1D
Entries 83
Mean −0.03339
Std Dev 1.044

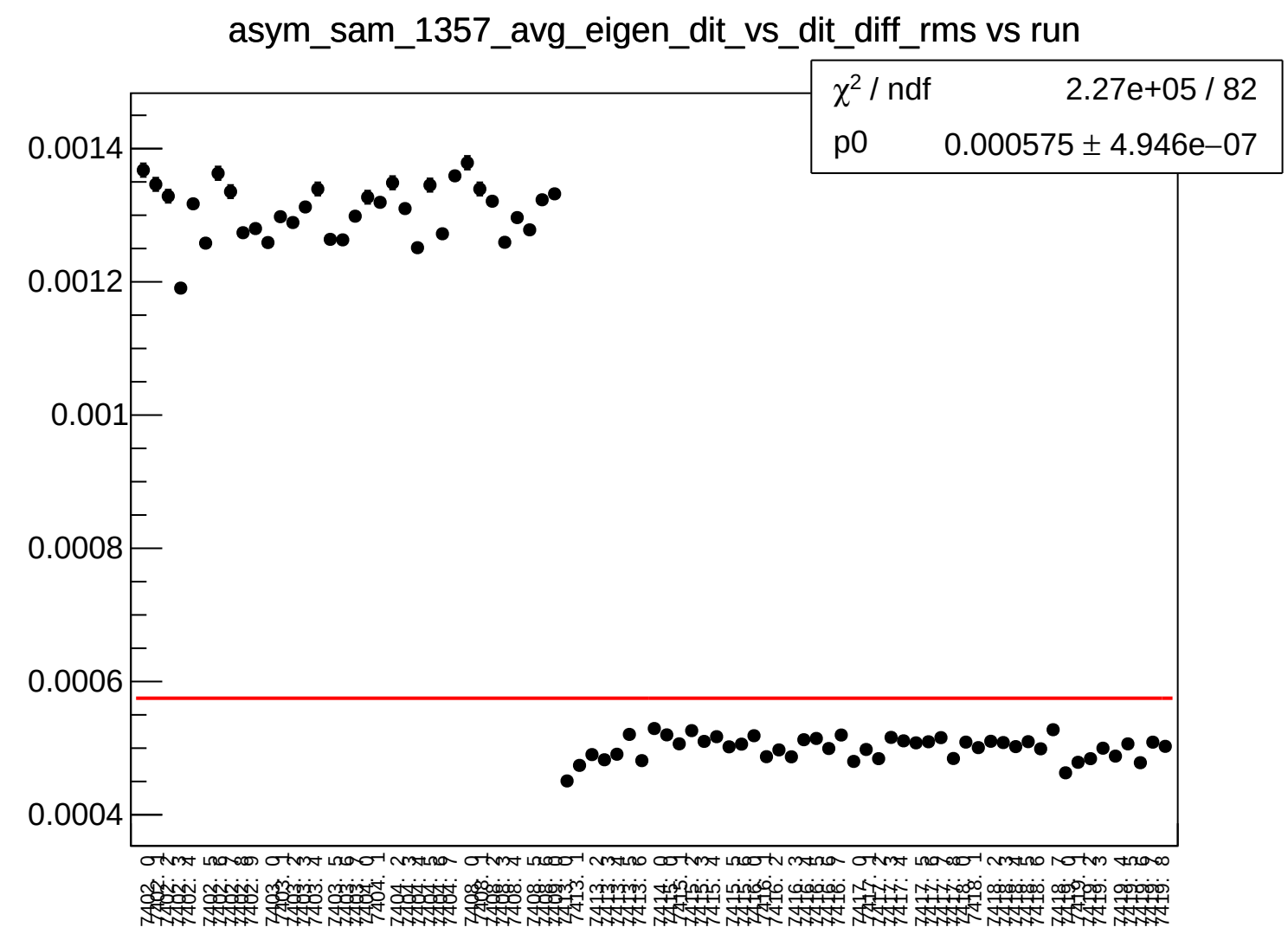

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.395e+04 / 82
p0 68.06 ± 0.05512
100
90
80
70
60
50

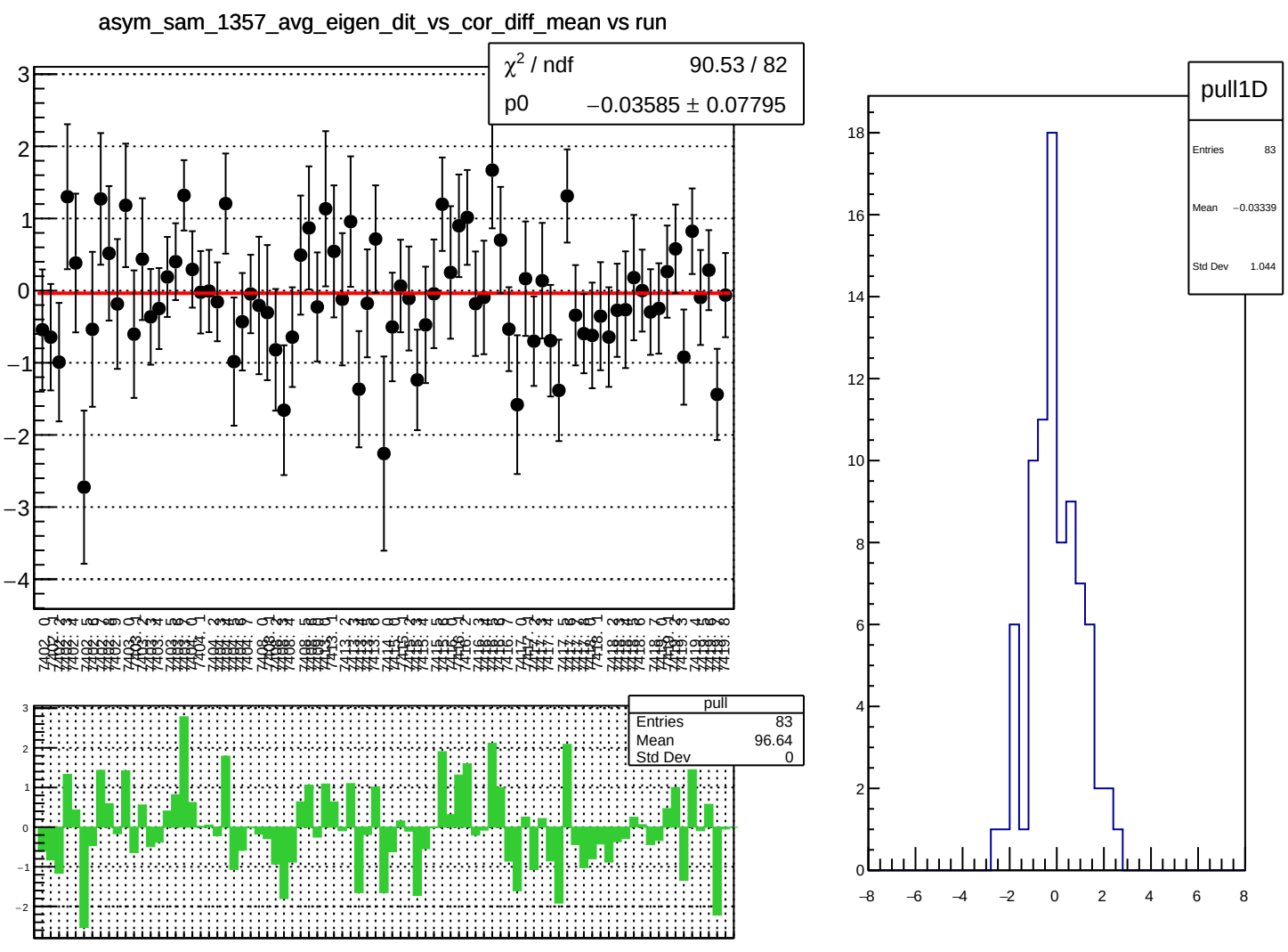

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.53 / 82
p0 −0.03585 ± 0.07795
pull
Entries 83
Mean 96.64
Std Dev 0
pull1D
Entries 83
Mean −0.03339
Std Dev 1.044

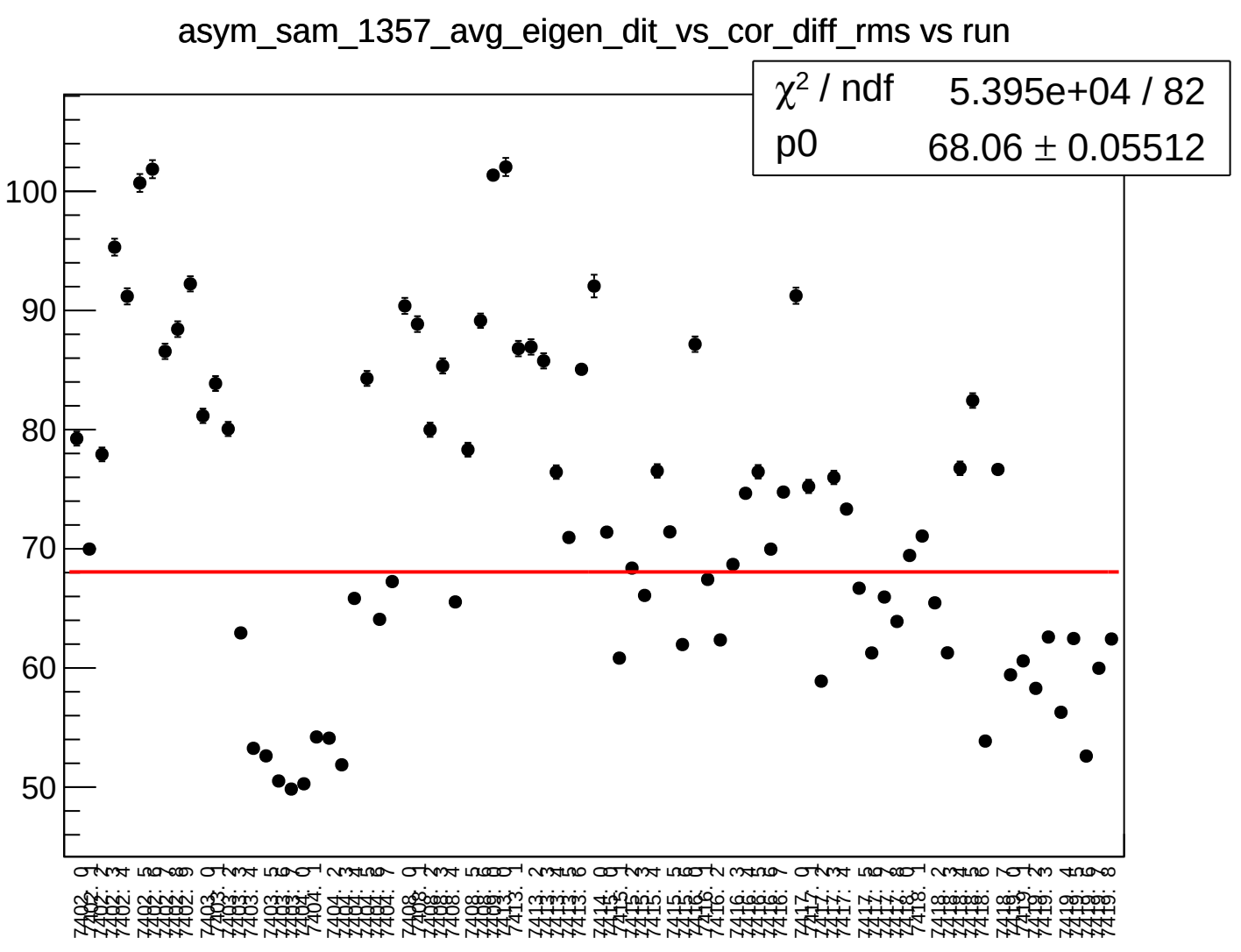

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.395e+04 / 82
p0 68.06 ± 0.05512
100
90
80
70
60
50

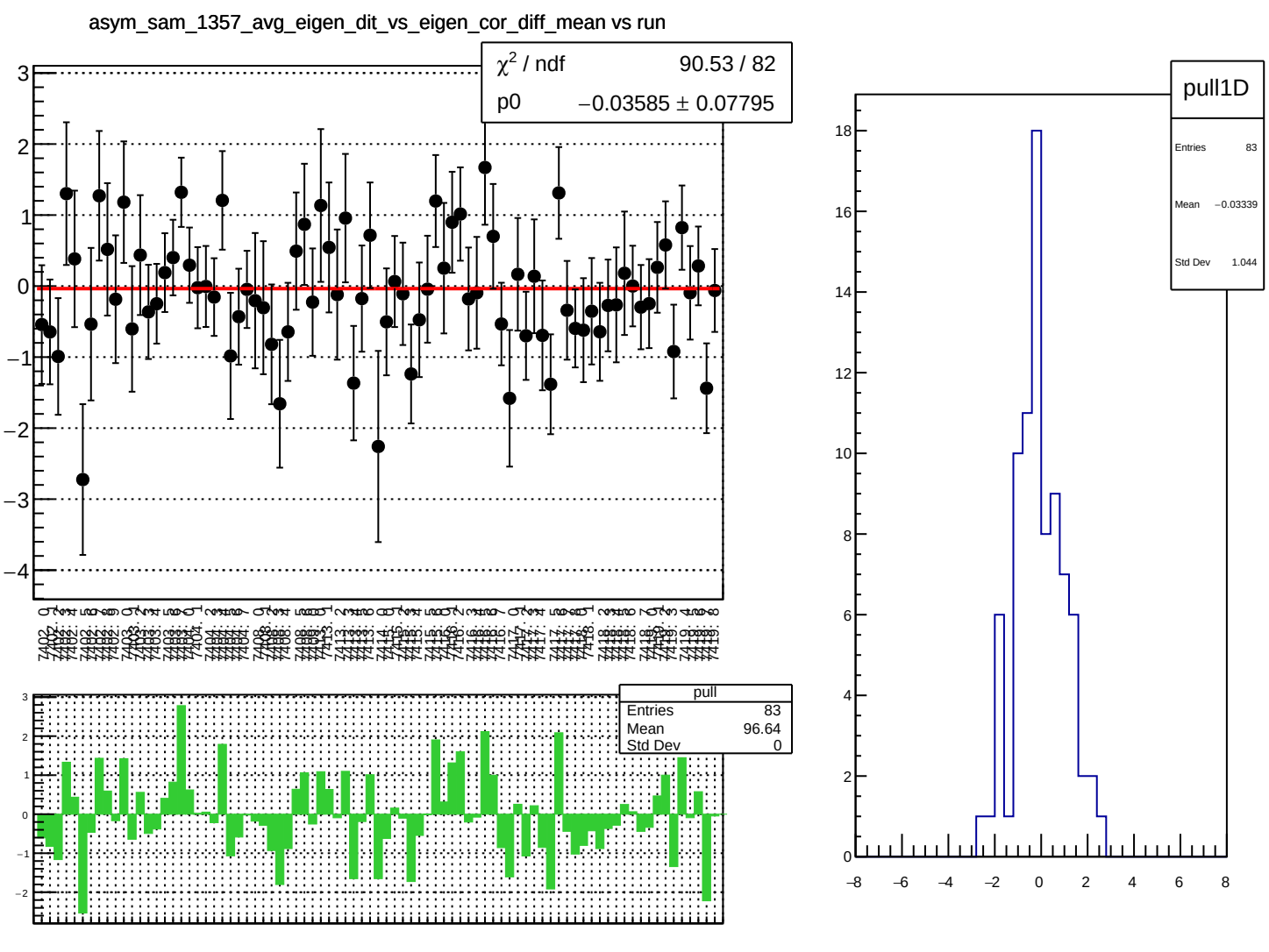

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.3 / 82
p0 6.22e−07 ± 6.994e−07
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean −120.6
Std Dev 0
3
2
1
0
−1
−2

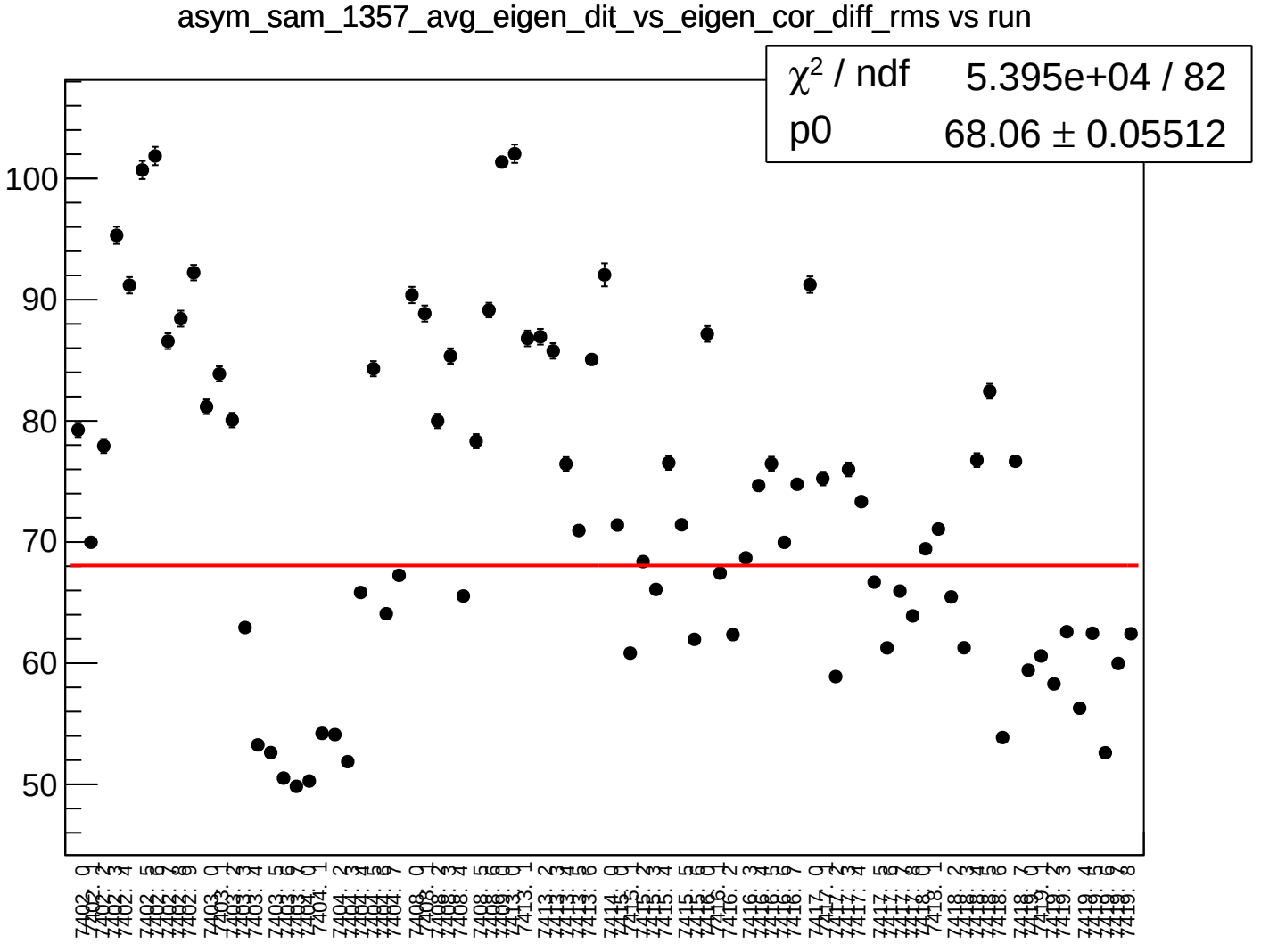

pull1D
Entries 83
Mean −0.01777
Std Dev 0.9895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.27e+05 / 82
p0 0.000575 ± 4.946e−07
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

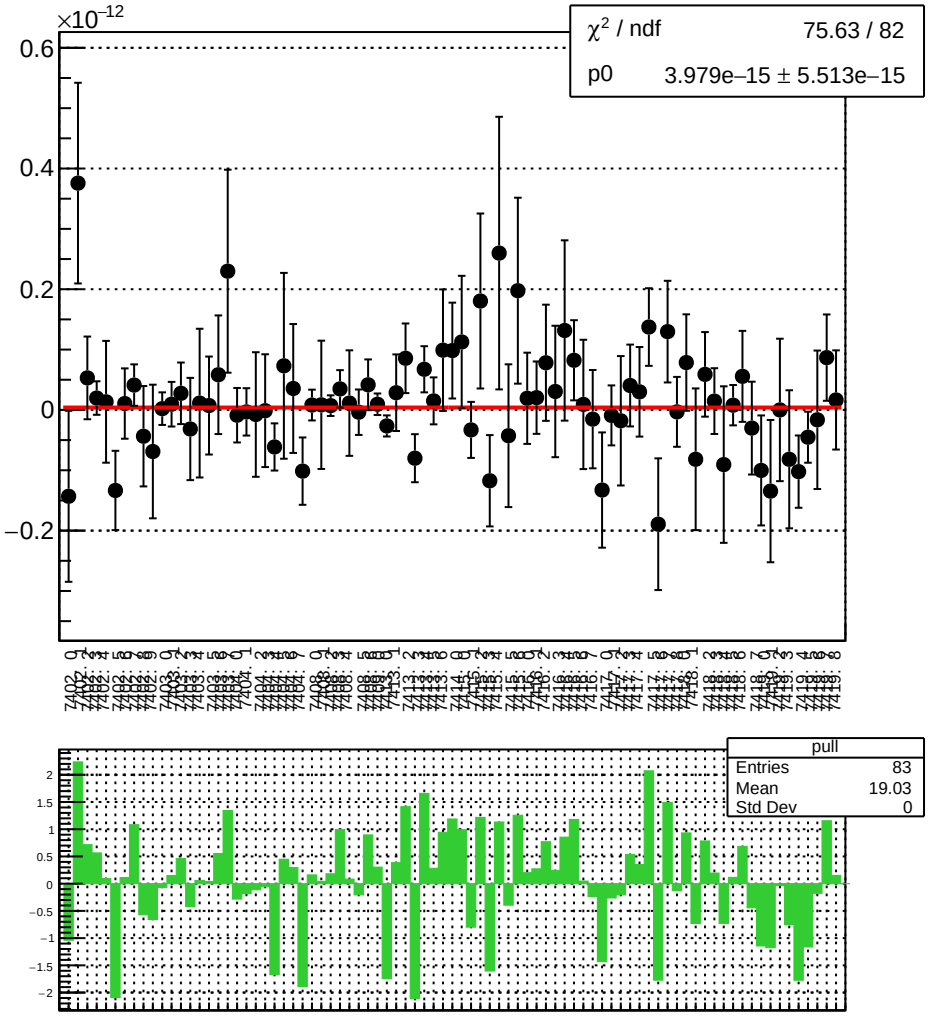

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.53 / 82
p0 −0.03585 ± 0.07795
pull
Entries 83
Mean 96.64
Std Dev 0
pull1D
Entries 83
Mean −0.03339
Std Dev 1.044

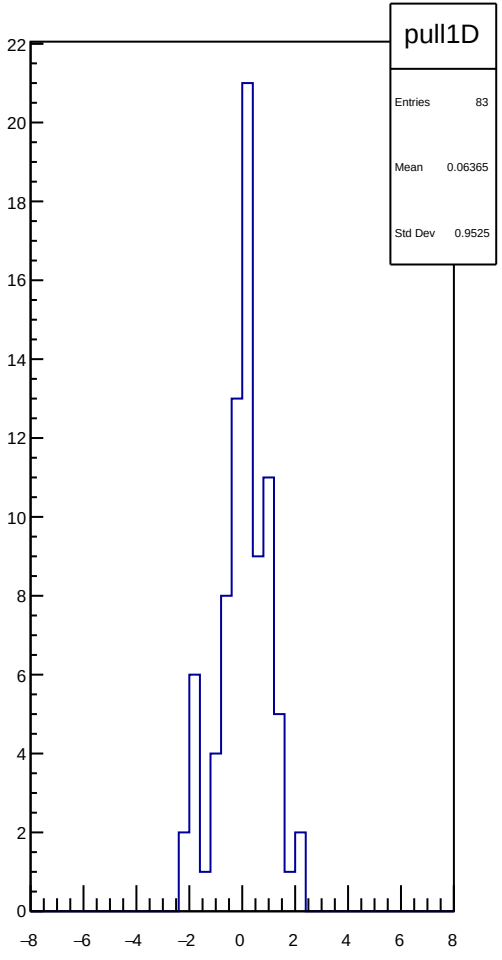

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.395e+04 / 82
p0 68.06 ± 0.05512
100
90
80
70
60
50

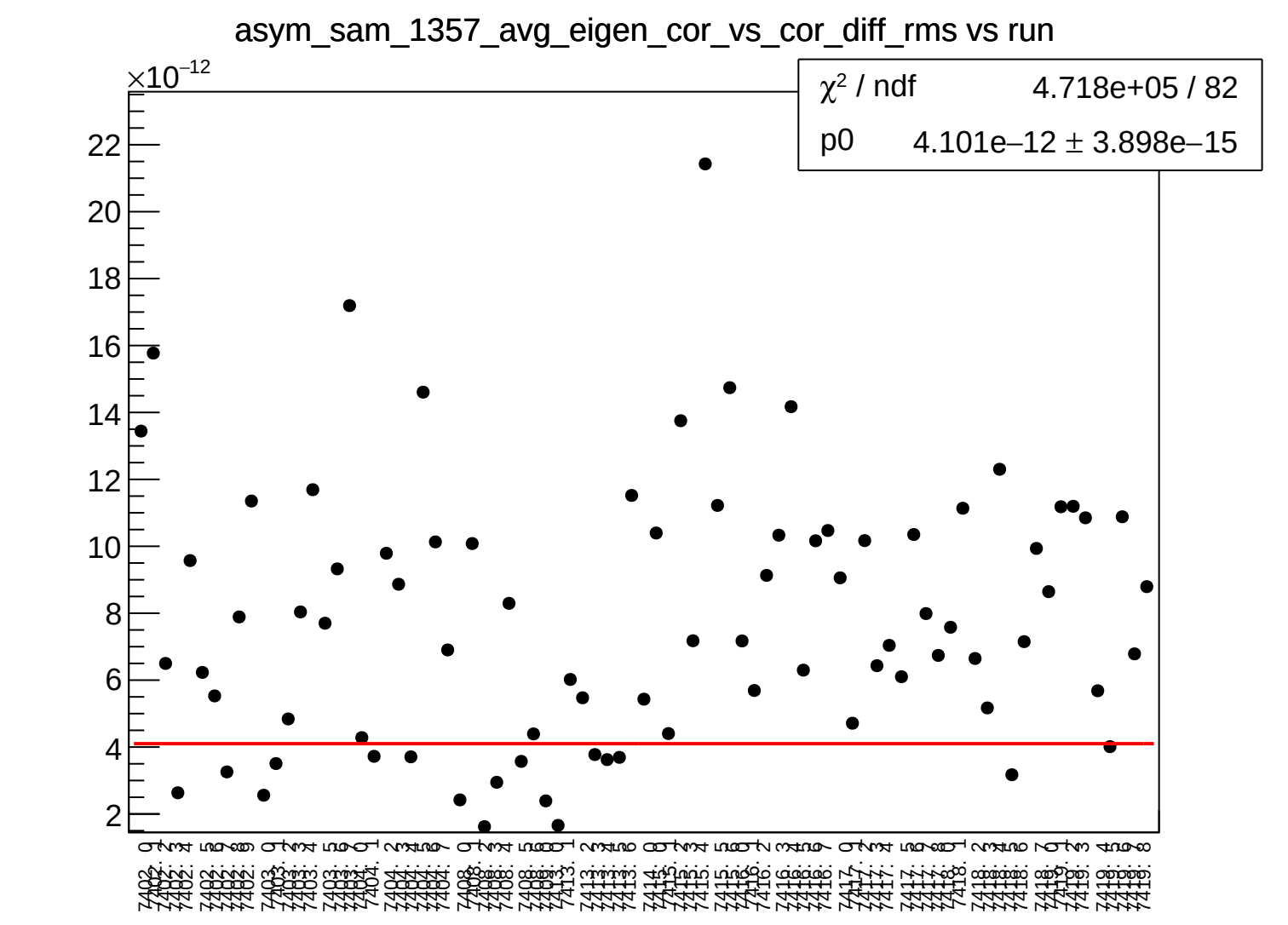

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.53 / 82
p0 −0.03585 ± 0.07795
pull
Entries 83
Mean 96.64
Std Dev 0
pull1D
Entries 83
Mean −0.03339
Std Dev 1.044

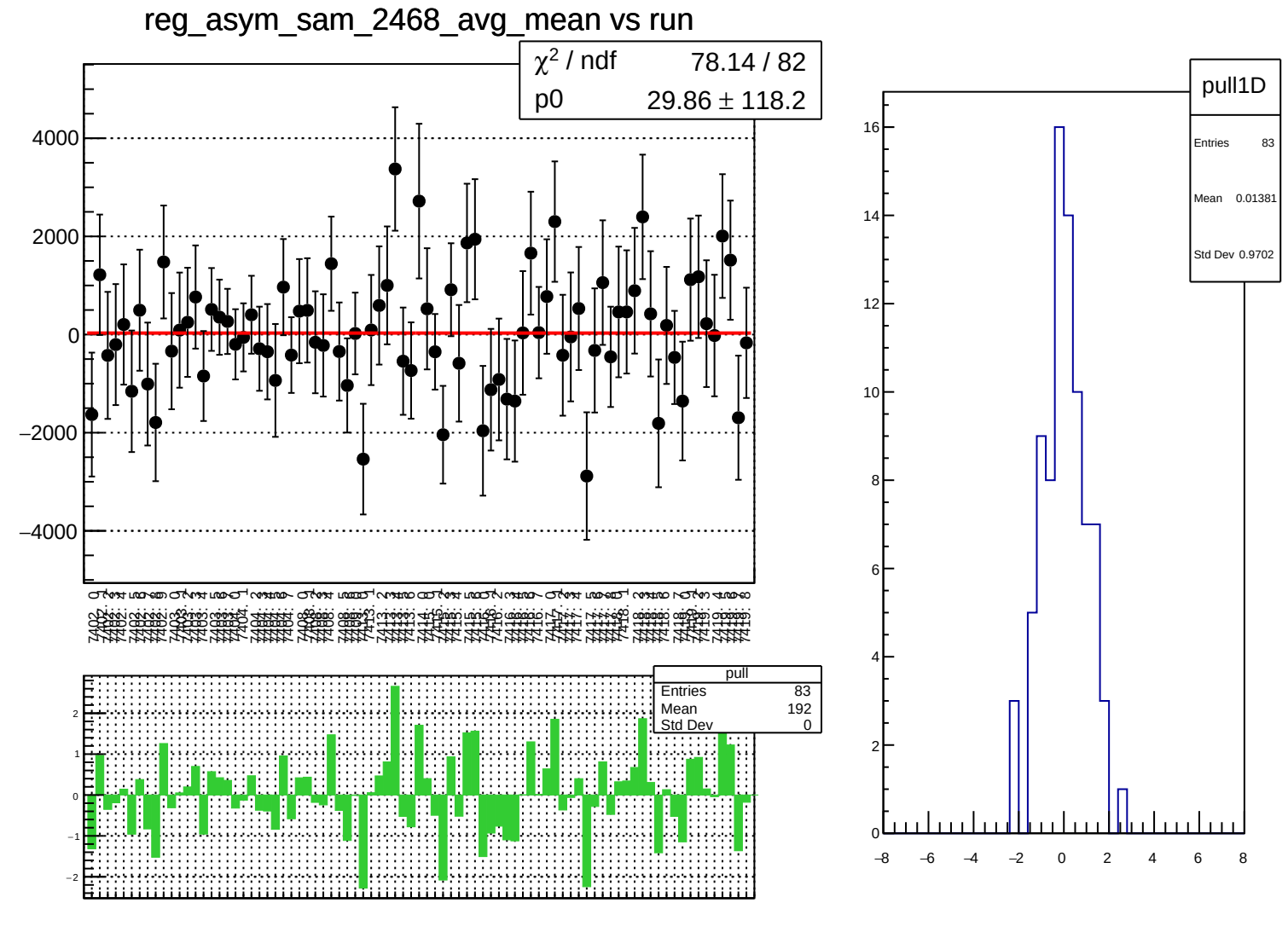

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.395e+04 / 82
p0 68.06 ± 0.05512
100
90
80
70
60
50

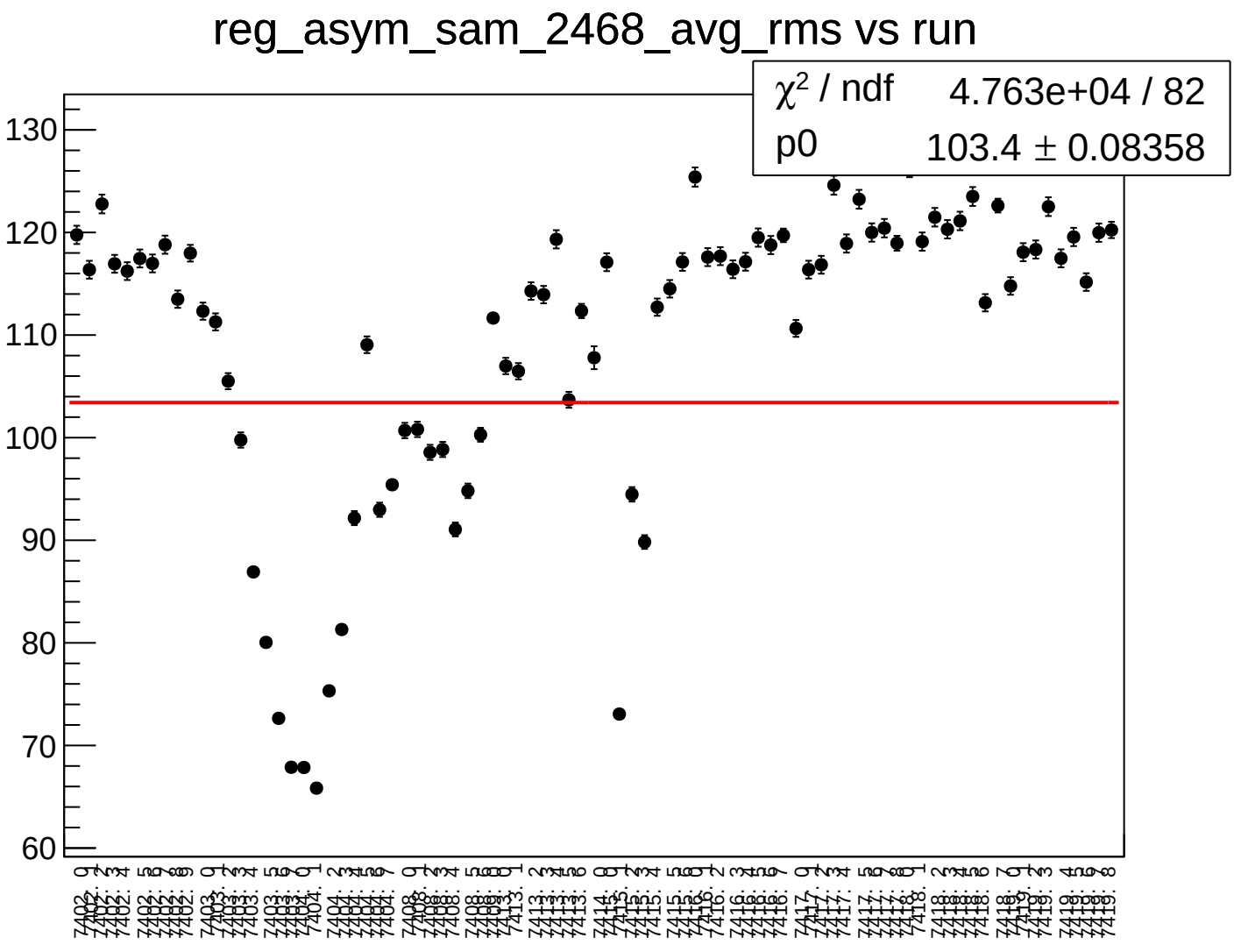
asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run

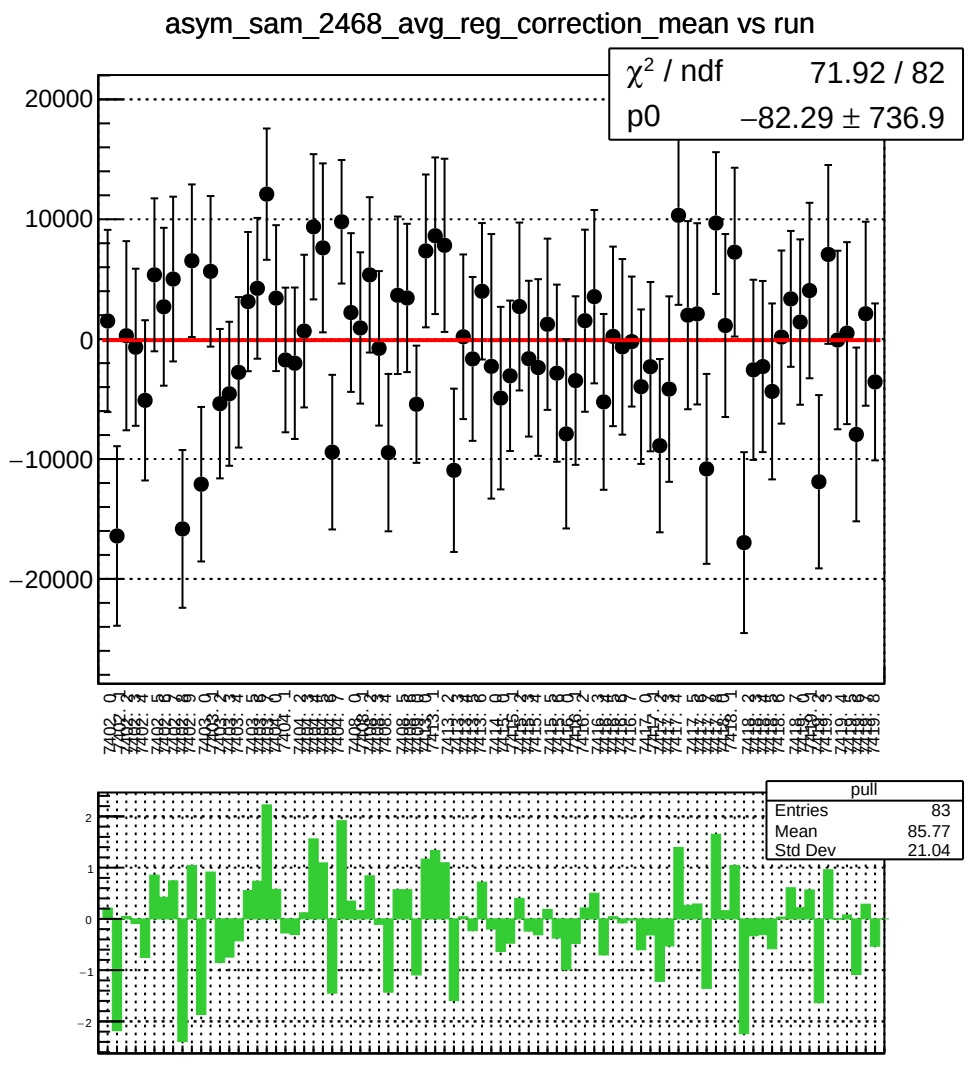


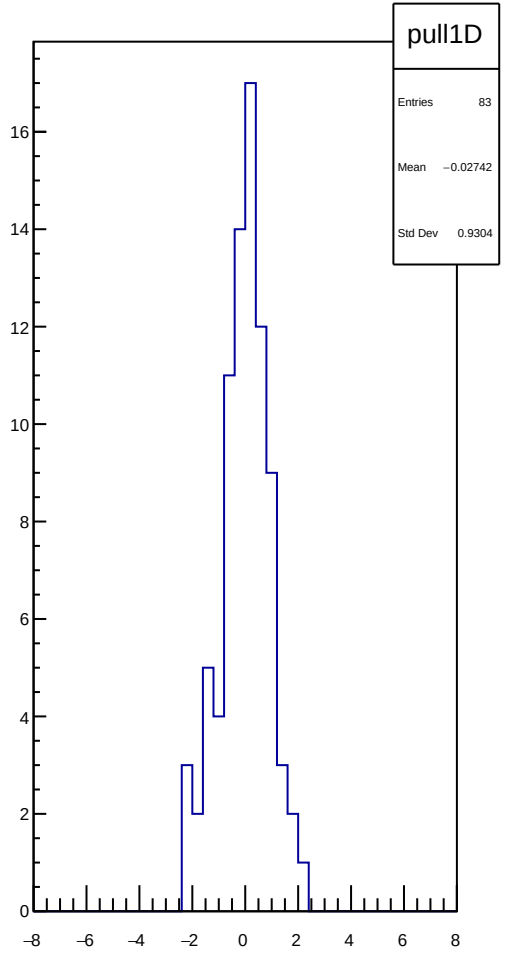


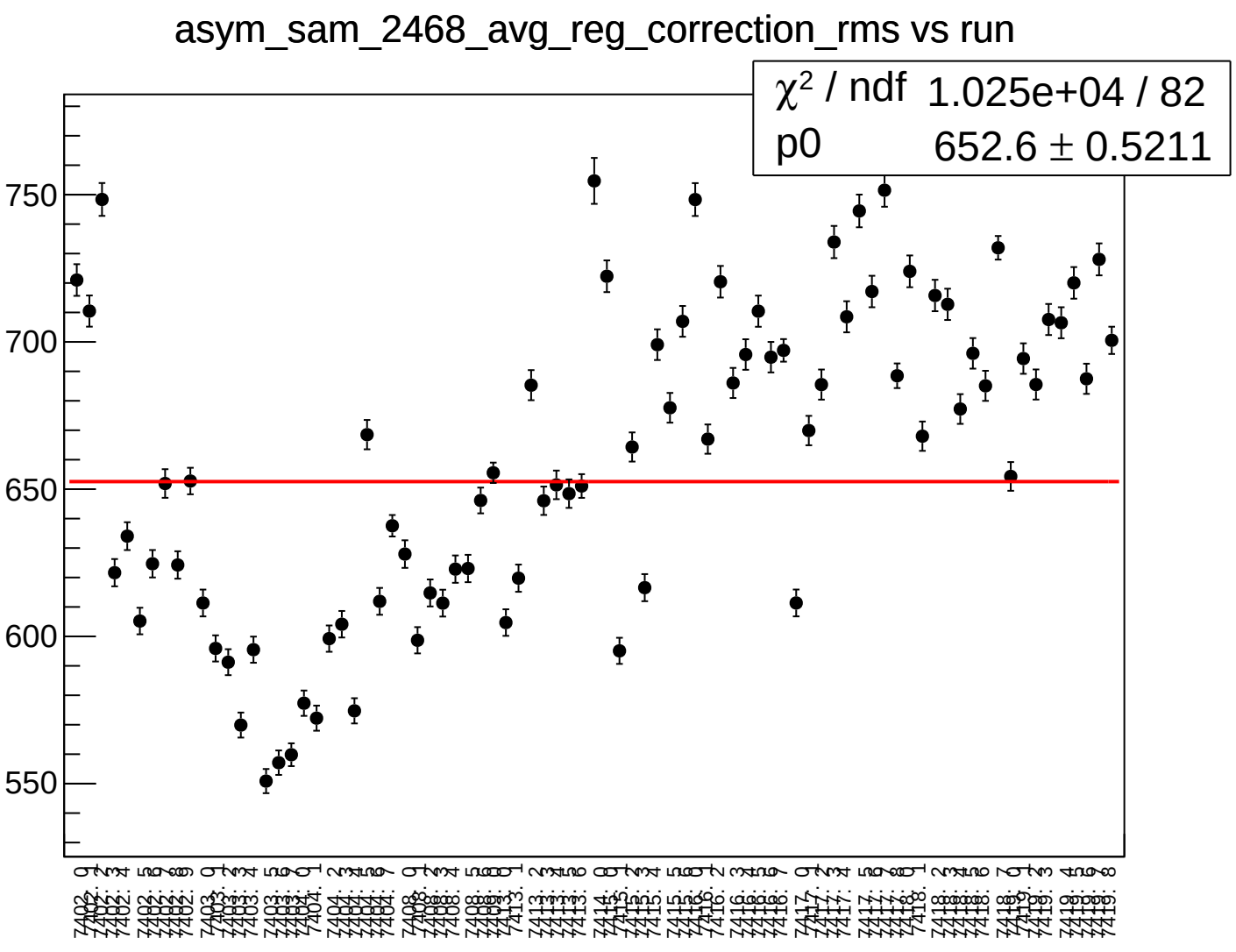

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.718e+05 / 82
p0 4.101e−12 ± 3.898e−15
22
20
18
16
14
12
10
8
6
4
2

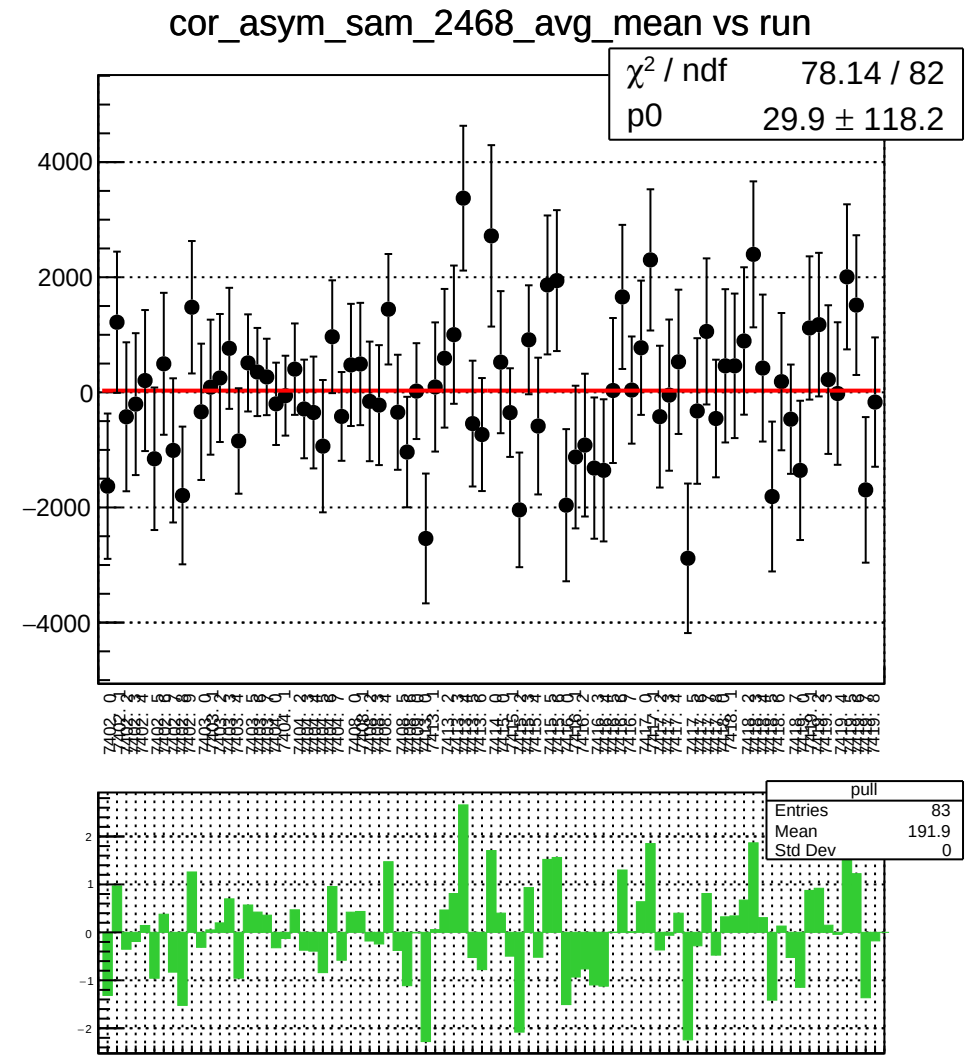

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 78.14 / 82
p0 29.86 ± 118.2
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 192
Std Dev 0
pull1D
Entries 83
Mean 0.01381
Std Dev 0.9702
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

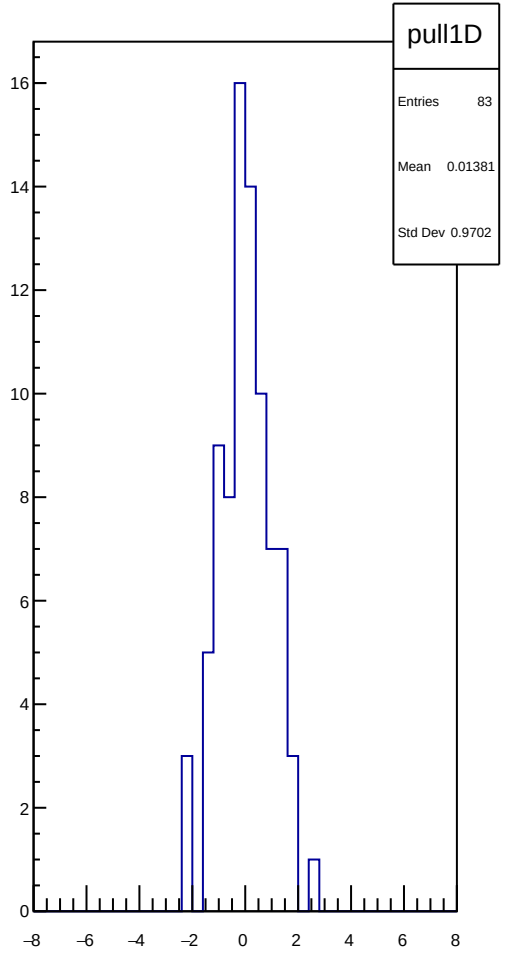

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 4.763e+04 / 82
p0 103.4 ± 0.08358
130
120
110
100
90
80
70
60

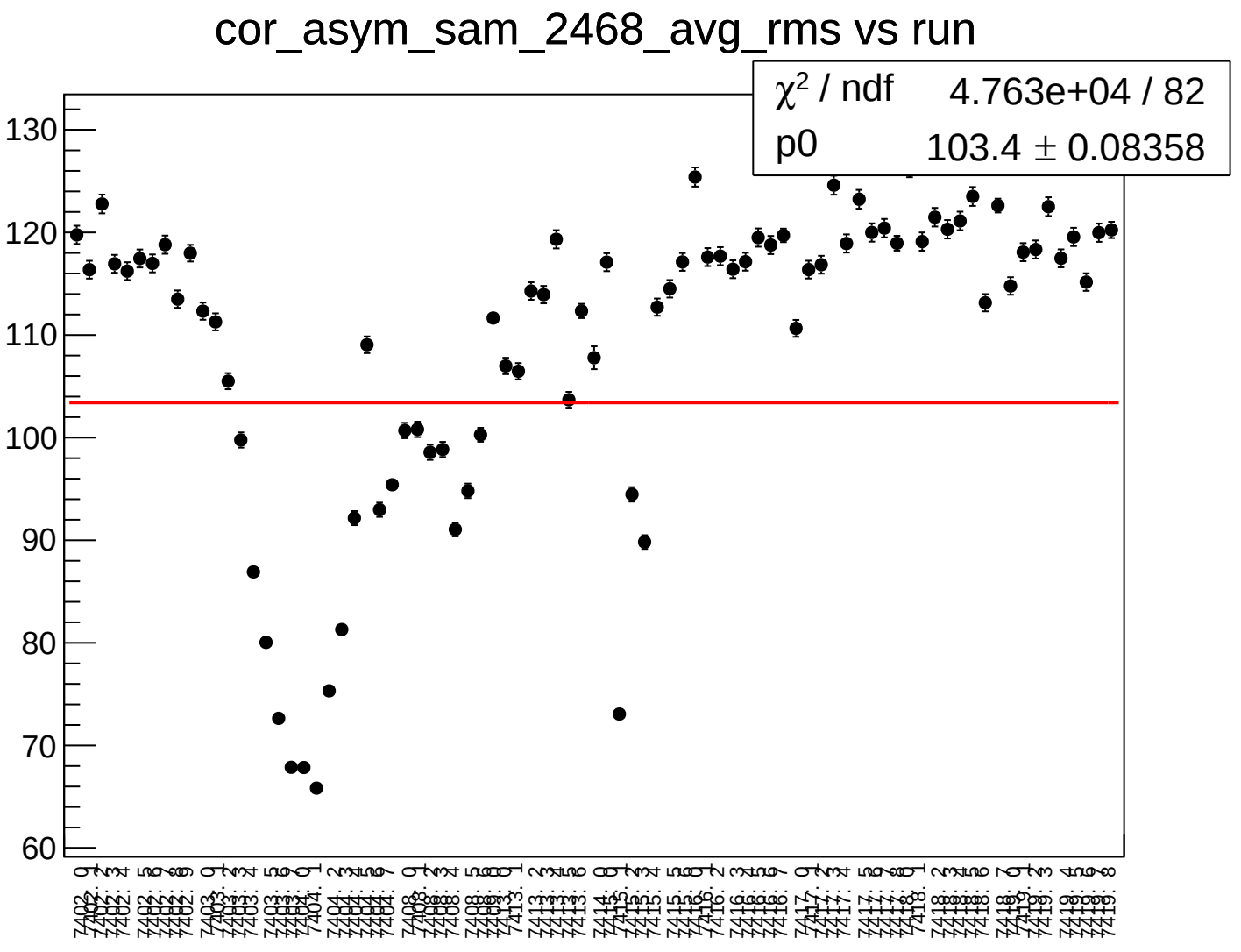

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 71.92 / 82
p0 −82.29 ± 736.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 85.77
Std Dev 21.04
2
1
0
−1
−2

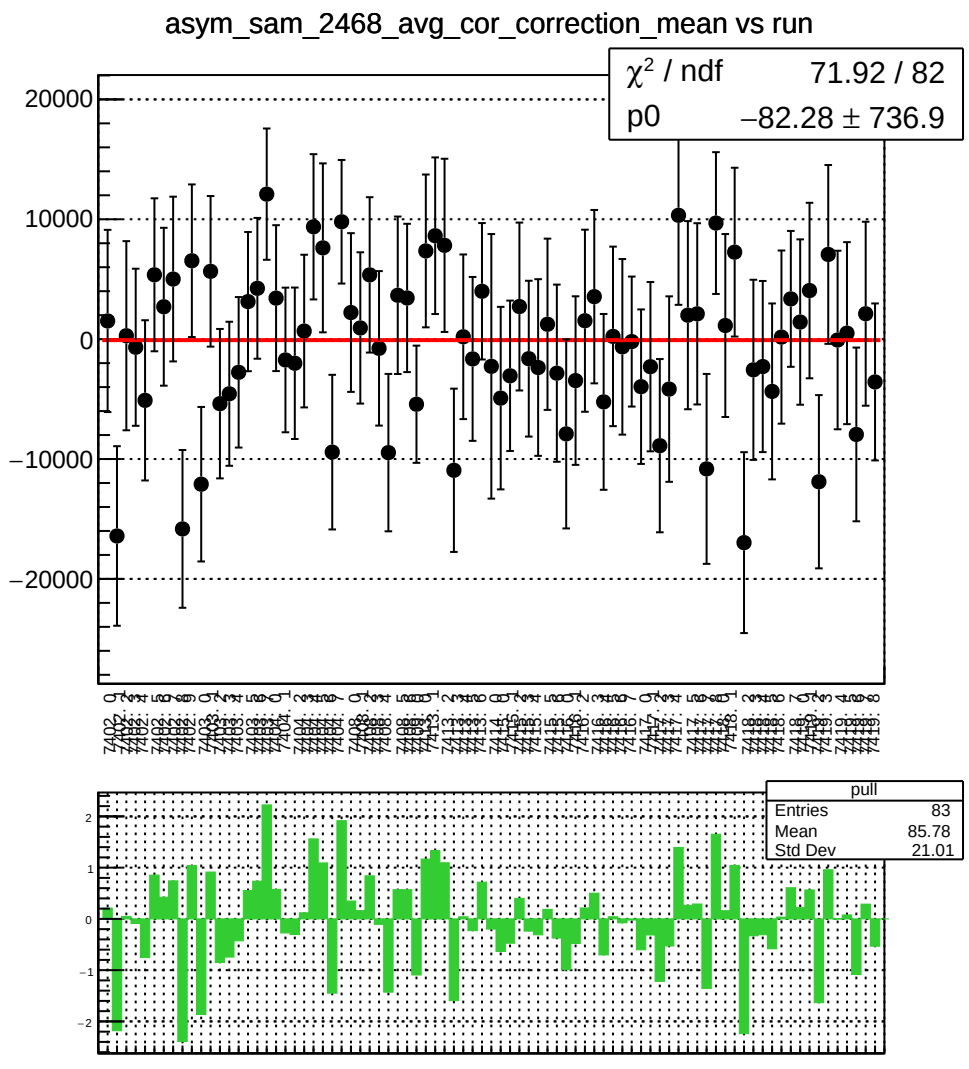

pull1D
Entries 83
Mean −0.02742
Std Dev 0.9304
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

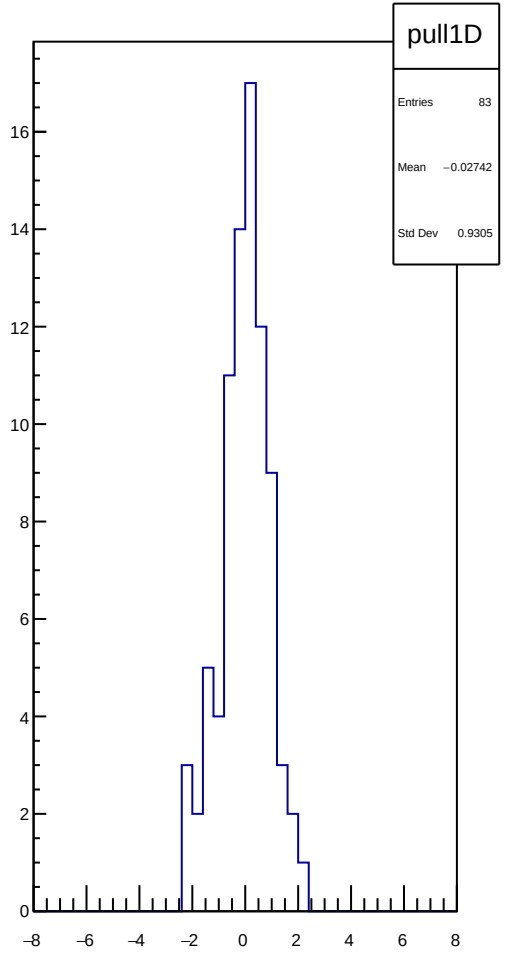

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 1.025e+04 / 82
p0 652.6 ± 0.5211
750
700
650
600
550

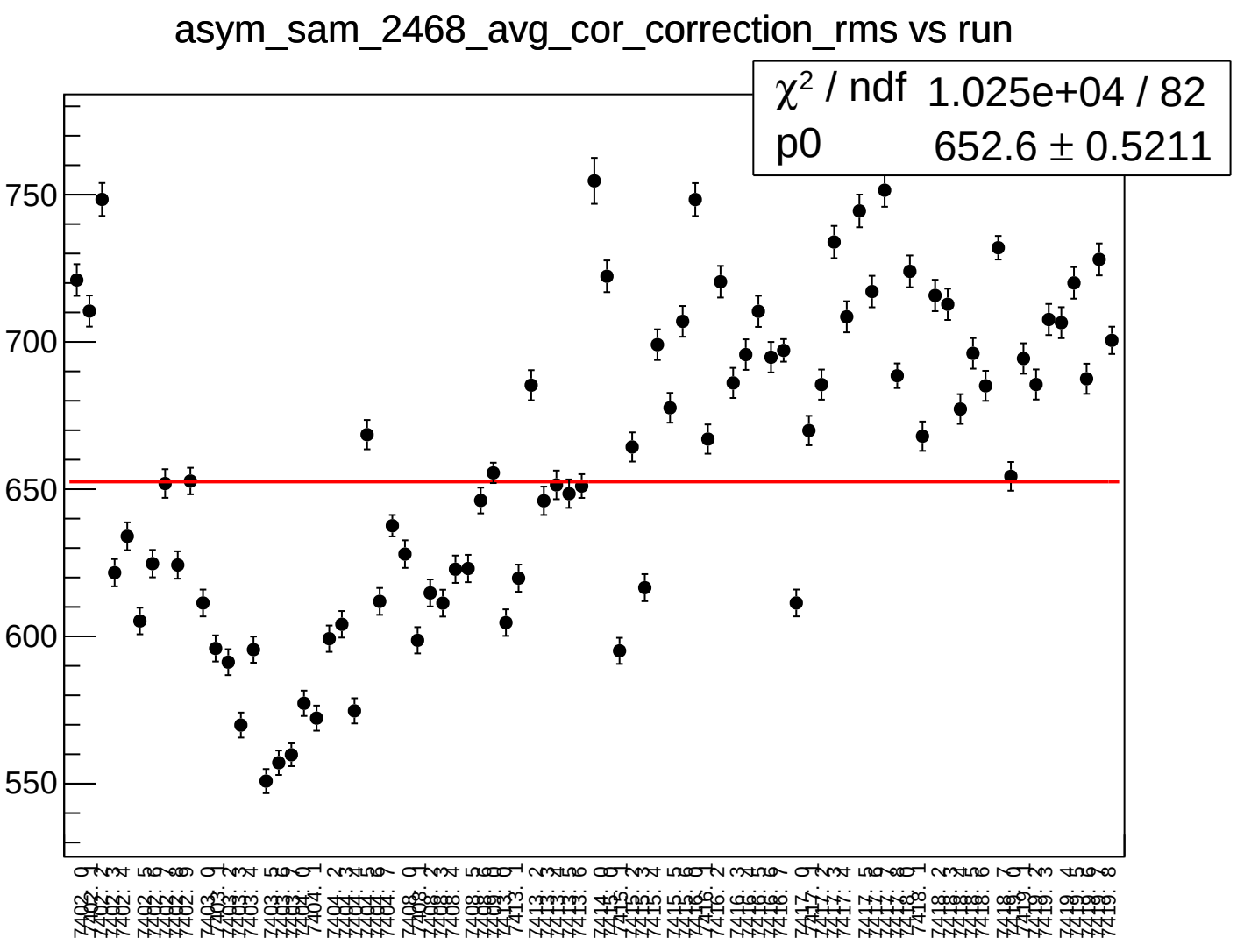

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 78.14 / 82
p0 29.9 ± 118.2
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 191.9
Std Dev 0
2
1
0
−1
−2

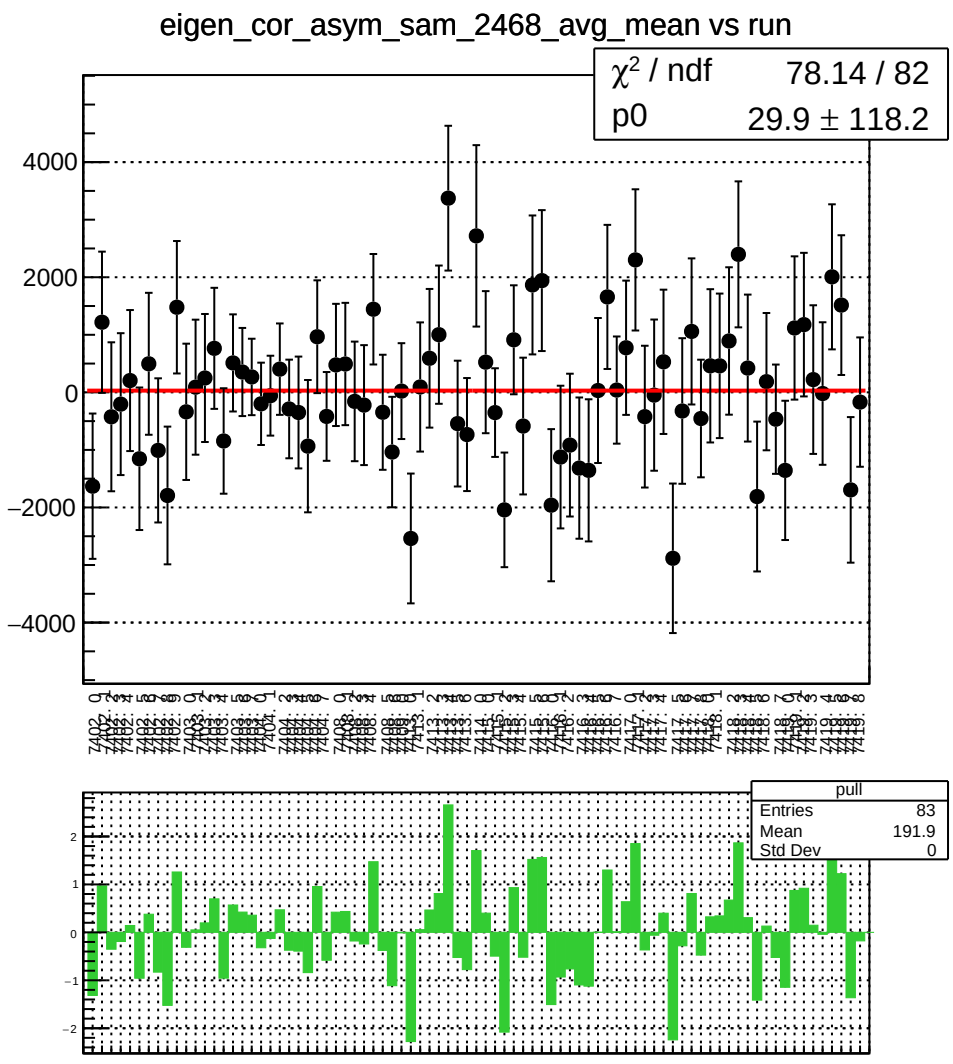

pull1D
Entries 83
Mean 0.01381
Std Dev 0.9702
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

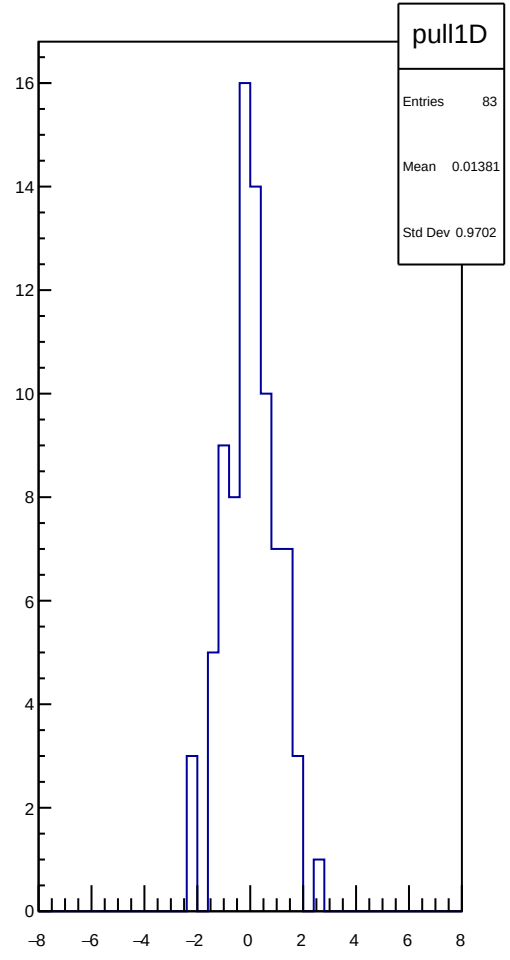

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 4.763e+04 / 82
p0 103.4 ± 0.08358
130
120
110
100
90
80
70
60

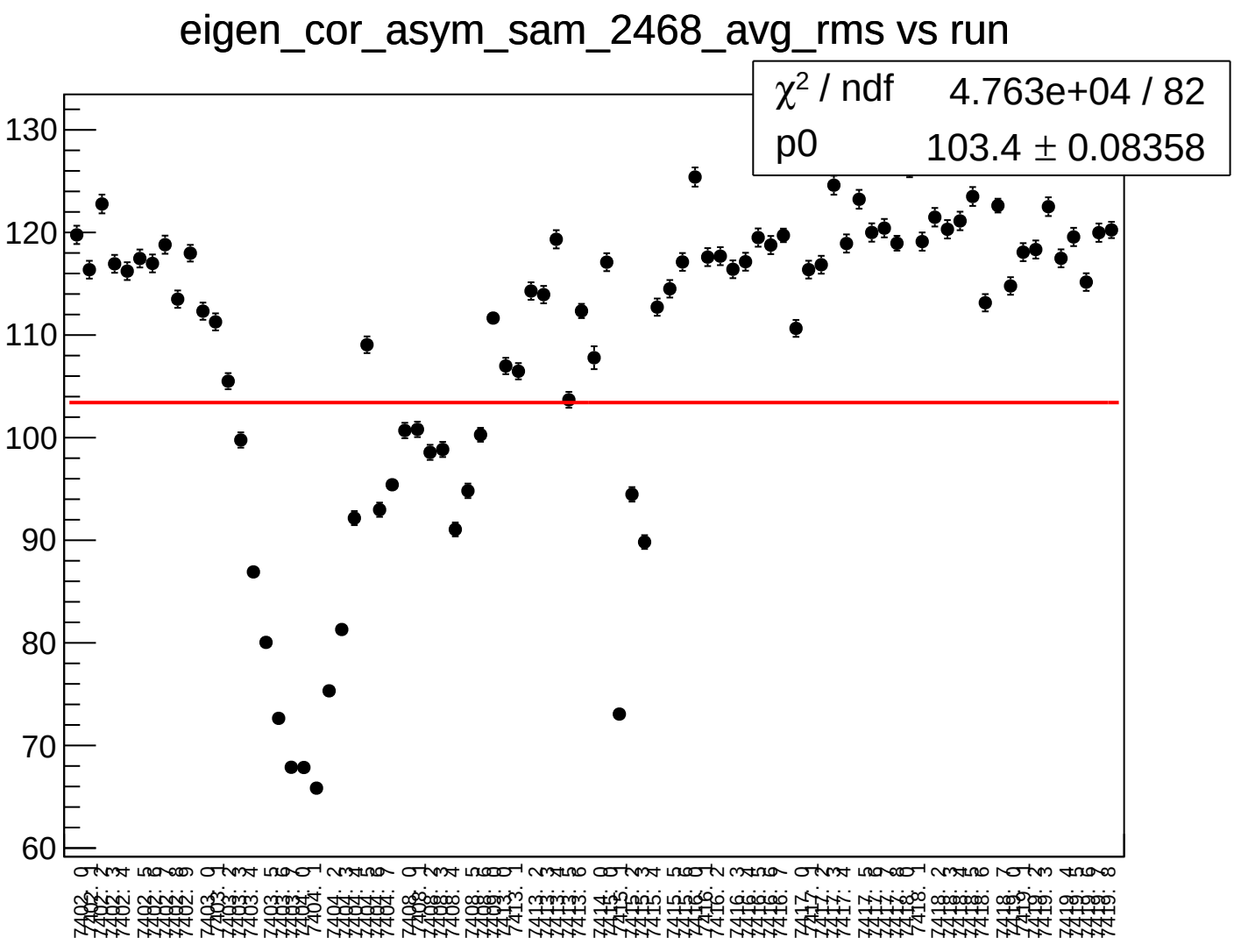

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 71.92 / 82
p0 −82.28 ± 736.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 85.78
Std Dev 21.01
2
1
0
−1
−2

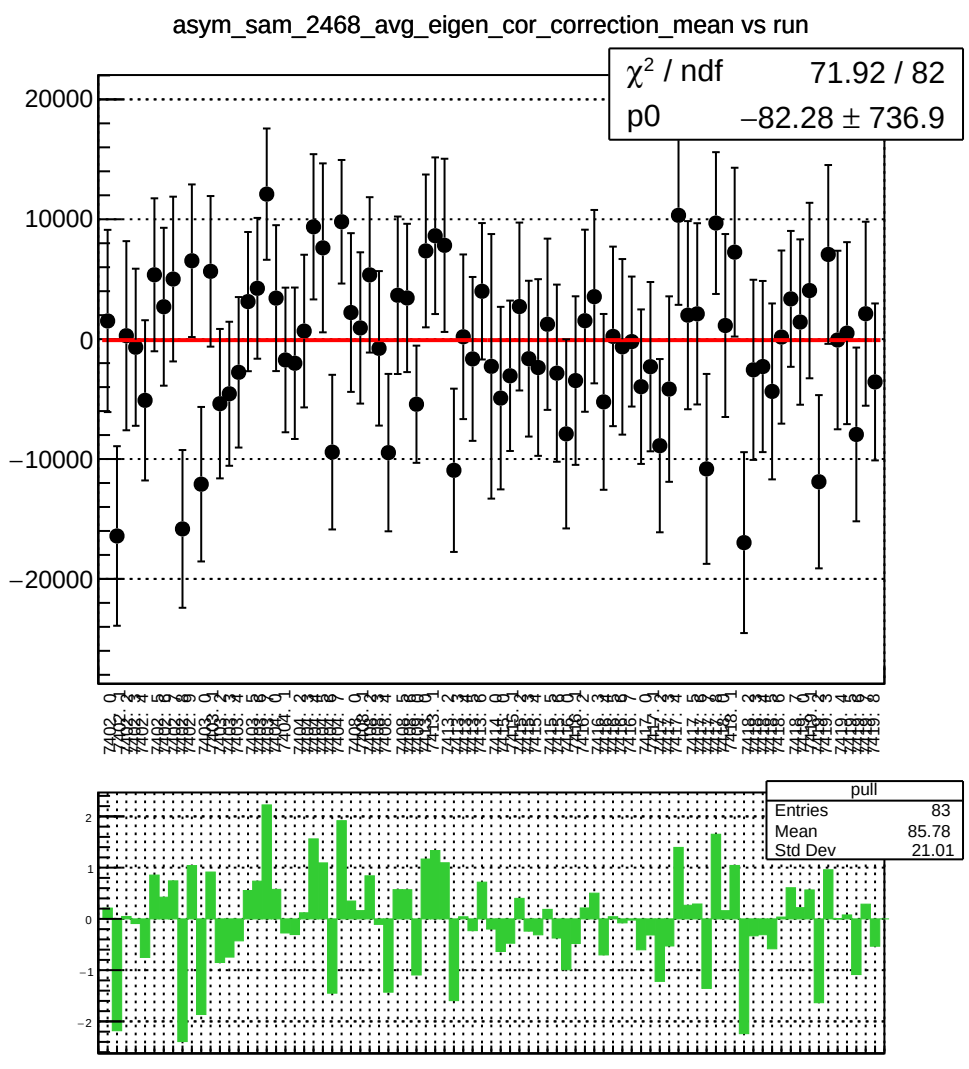

pull1D
Entries 83
Mean −0.02742
Std Dev 0.9305
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

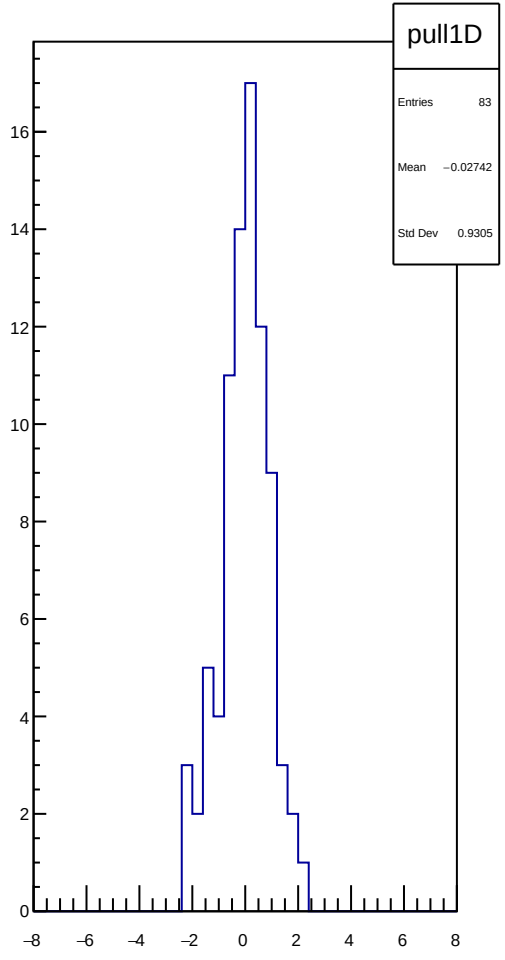

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 1.025e+04 / 82
p0 652.6 ± 0.5211
750
700
650
600
550

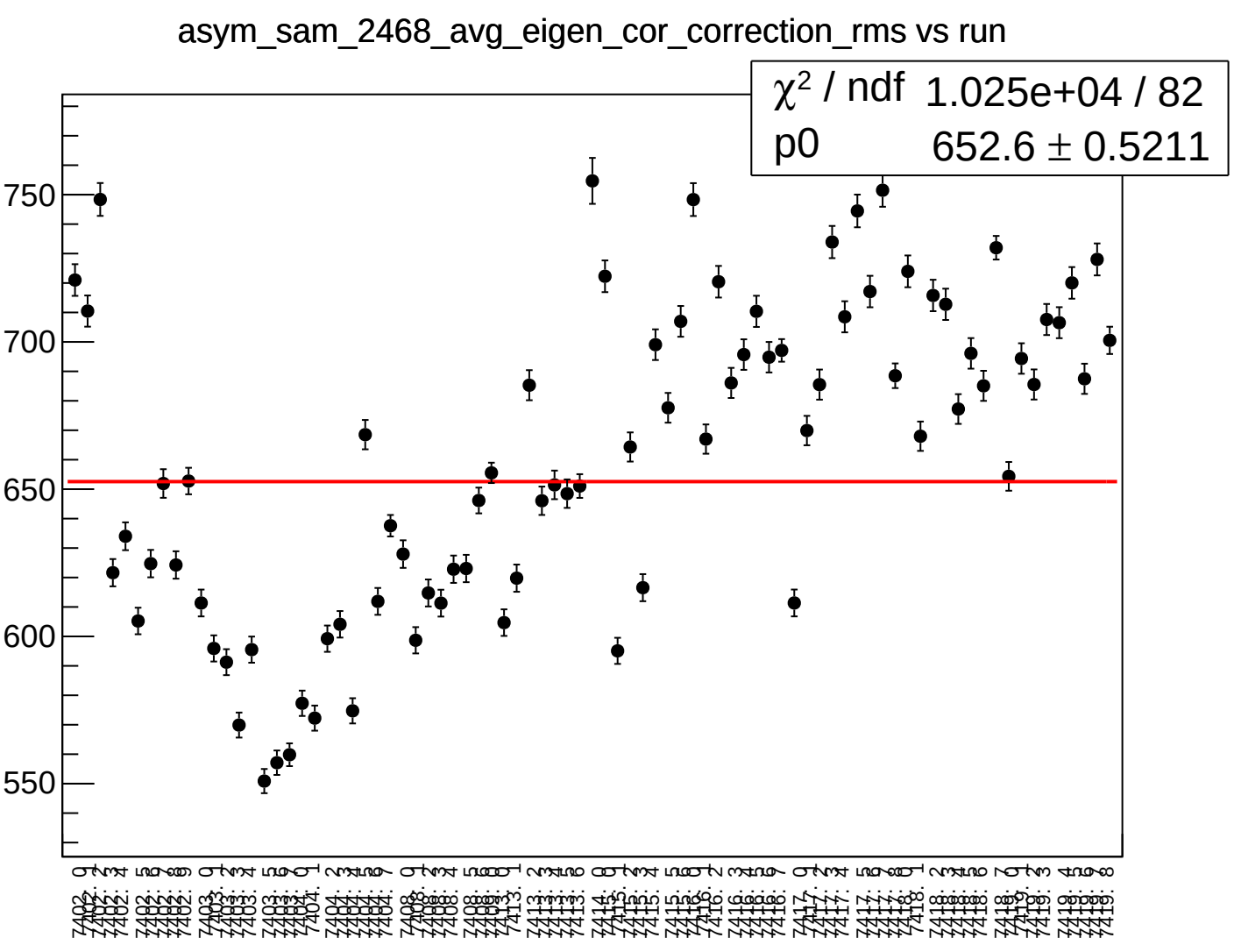

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 78.14 / 82
p0 29.9 ± 118.2
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 191.9
Std Dev 0
2
1
0
−1
−2

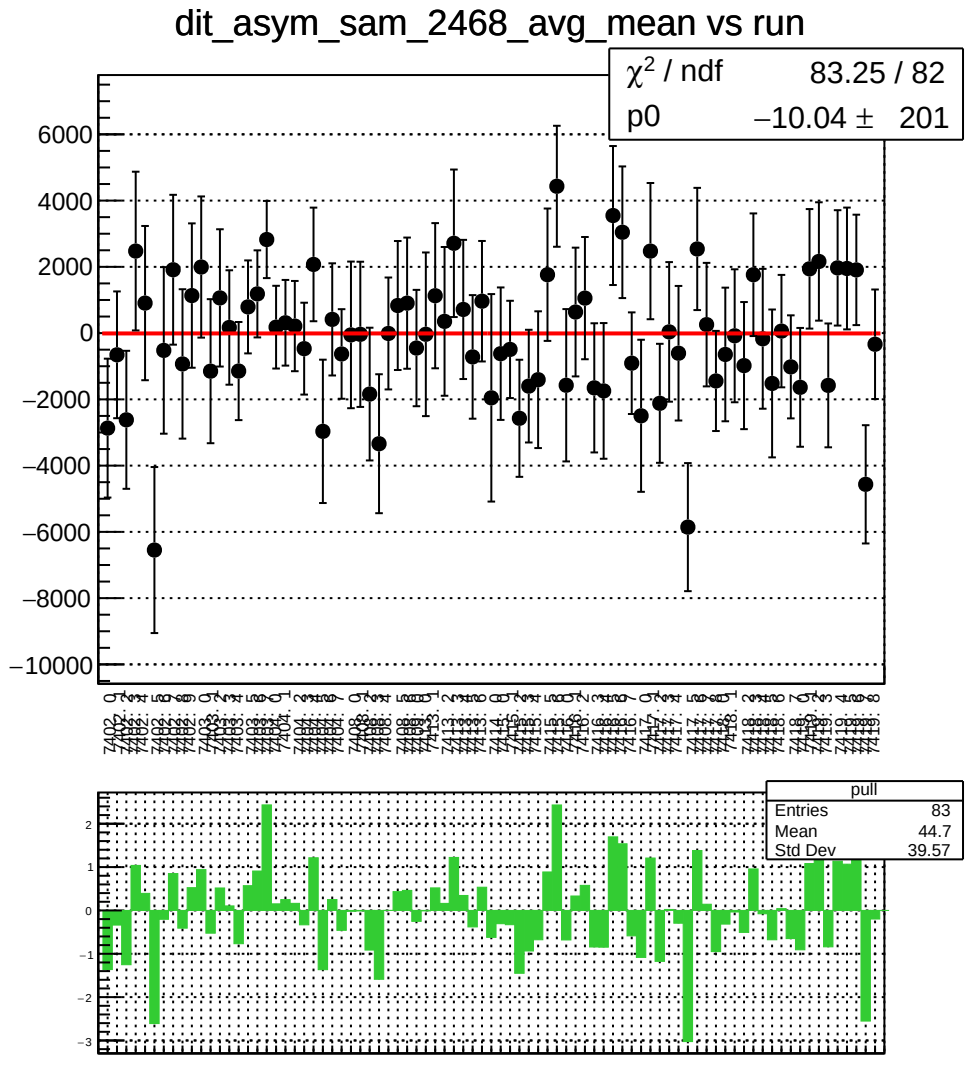

pull1D
Entries 83
Mean 0.01381
Std Dev 0.9702
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

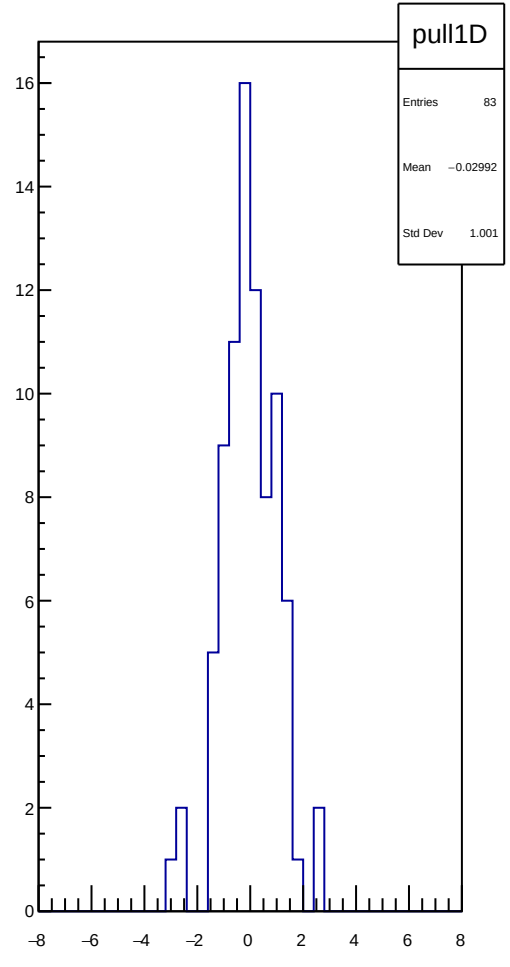

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 4.763e+04 / 82
p0 103.4 ± 0.08358
130
120
110
100
90
80
70
60

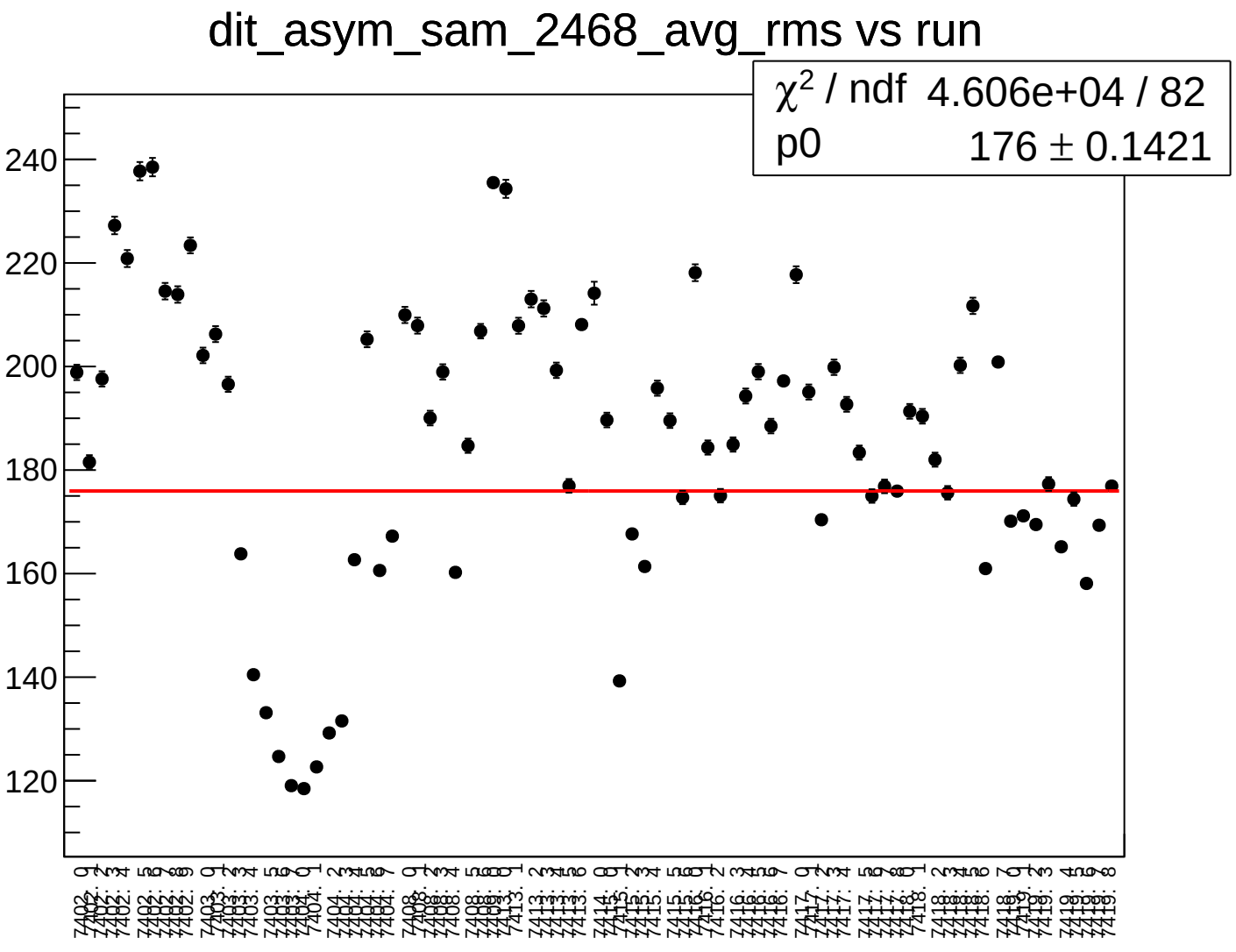

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 71.92 / 82
p0 −82.28 ± 736.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 85.78
Std Dev 21.01
2
1
0
−1
−2

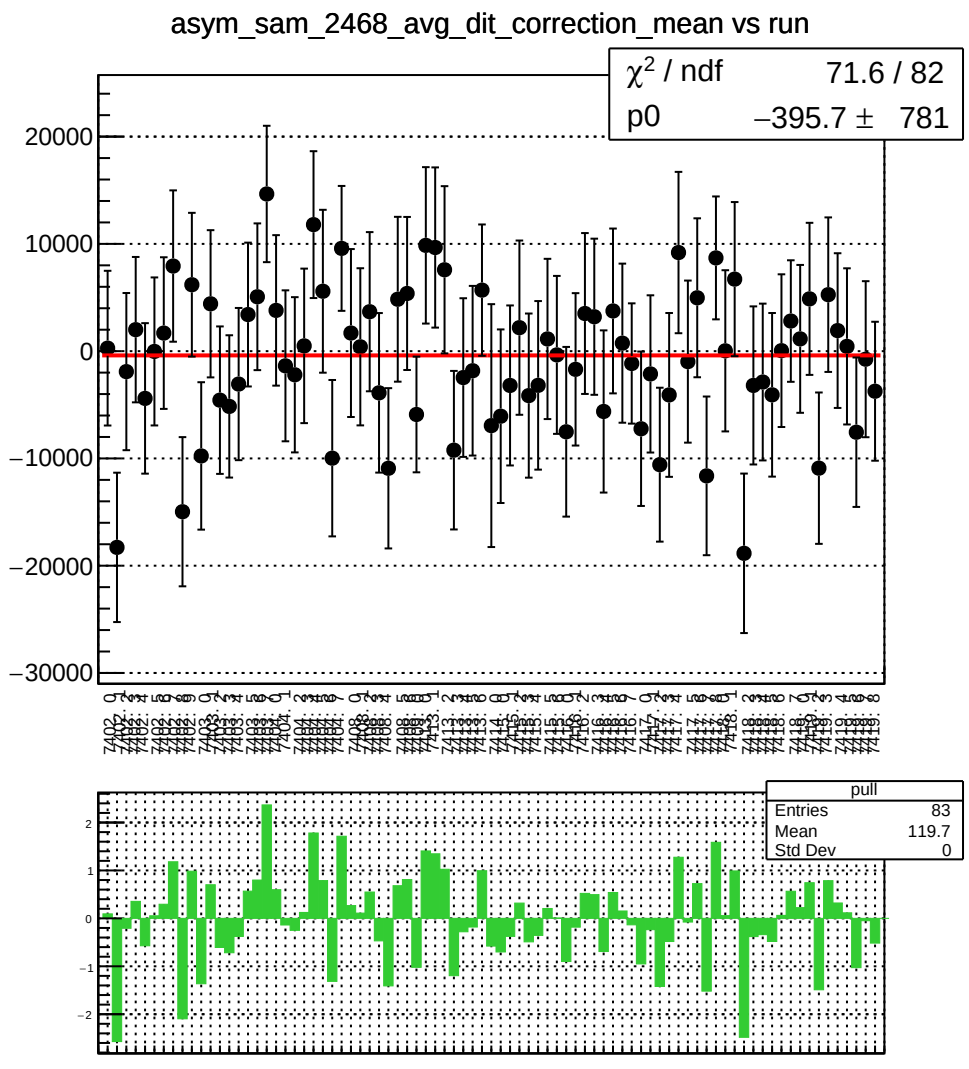

pull1D
Entries 83
Mean −0.02742
Std Dev 0.9305
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

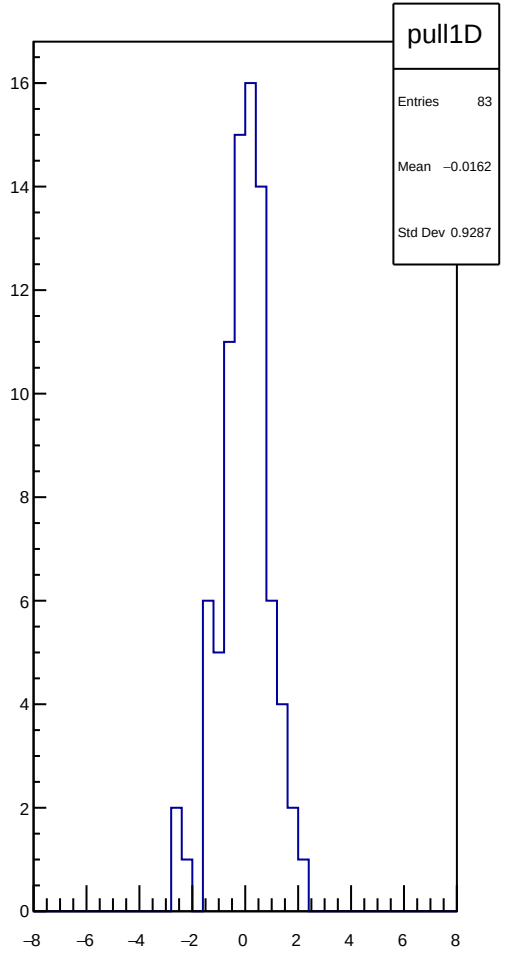

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.025e+04 / 82
p0 652.6 ± 0.5211
750
700
650
600
550

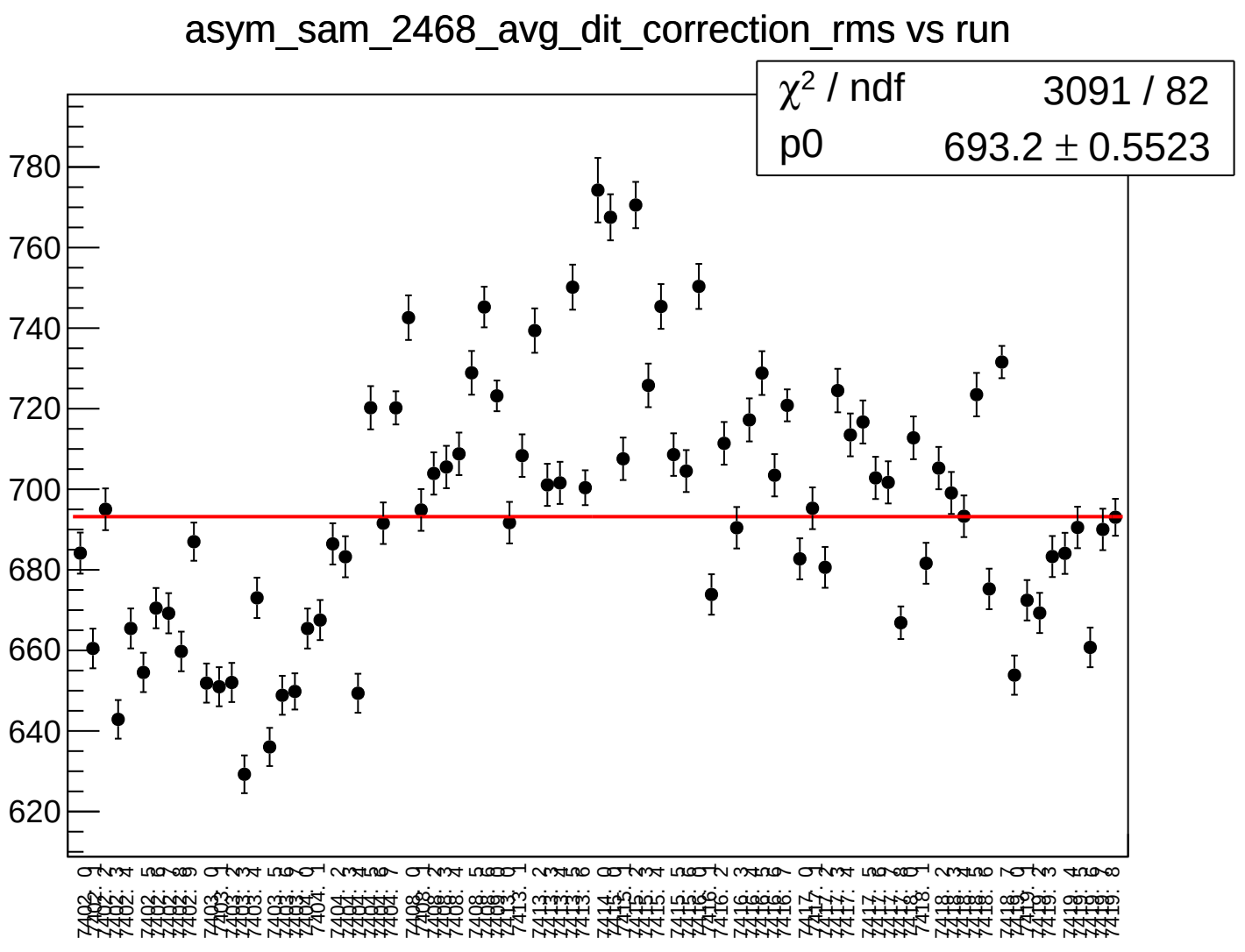

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 83.25 / 82
p0 −10.04 ± 201
pull
Entries 83
Mean 44.7
Std Dev 39.57

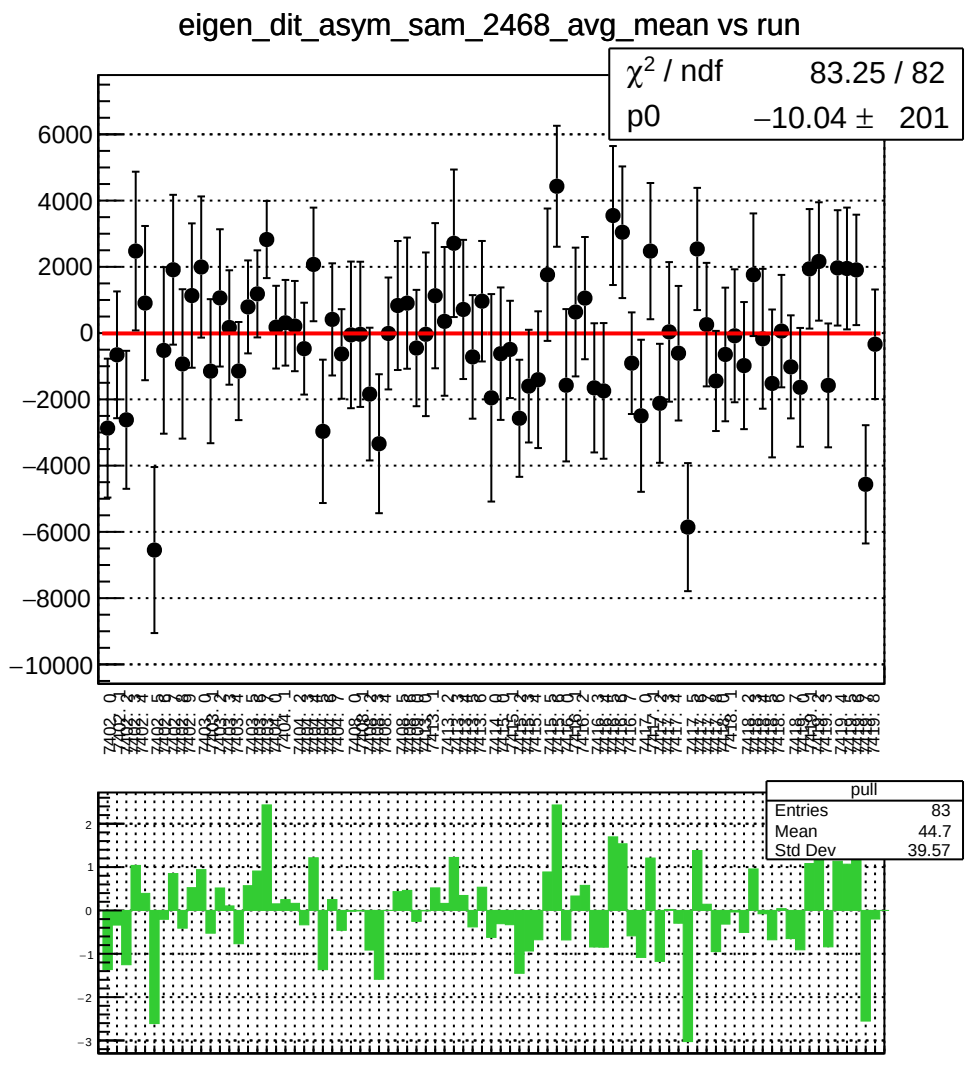

pull1D
Entries 83
Mean −0.02992
Std Dev 1.001

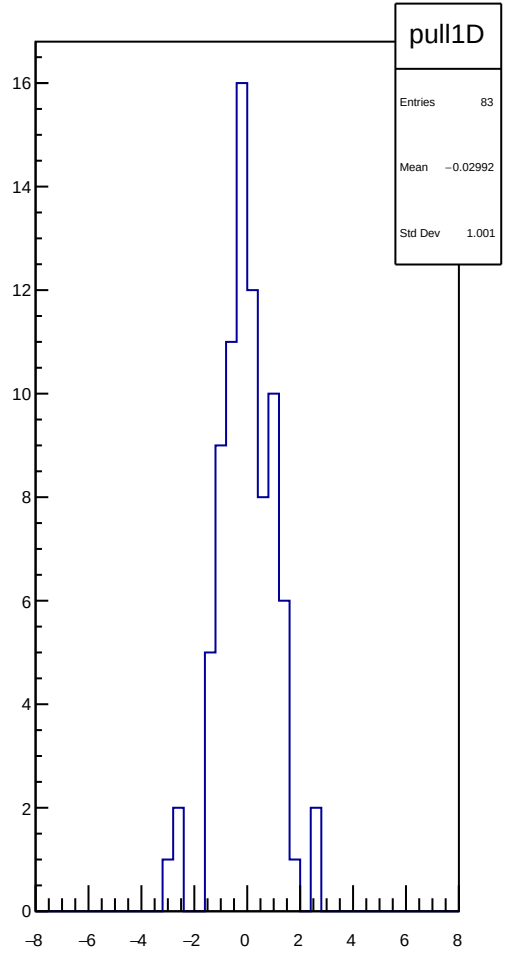

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.606e+04 / 82
p0 176 ± 0.1421
240
220
200
180
160
140
120

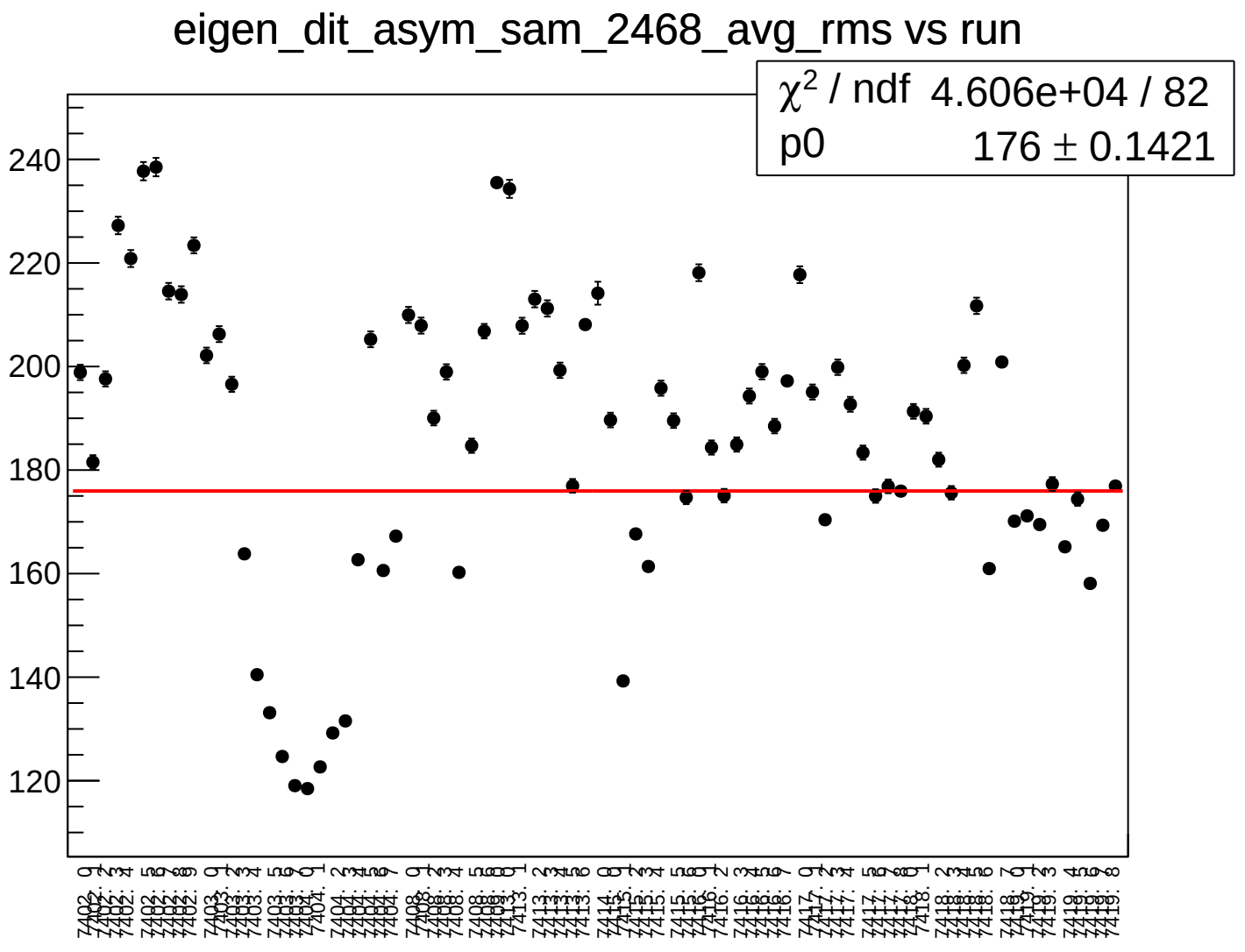

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 71.6 / 82
p0 −395.7 ± 781
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 119.7
Std Dev 0
2
1
0
−1
−2

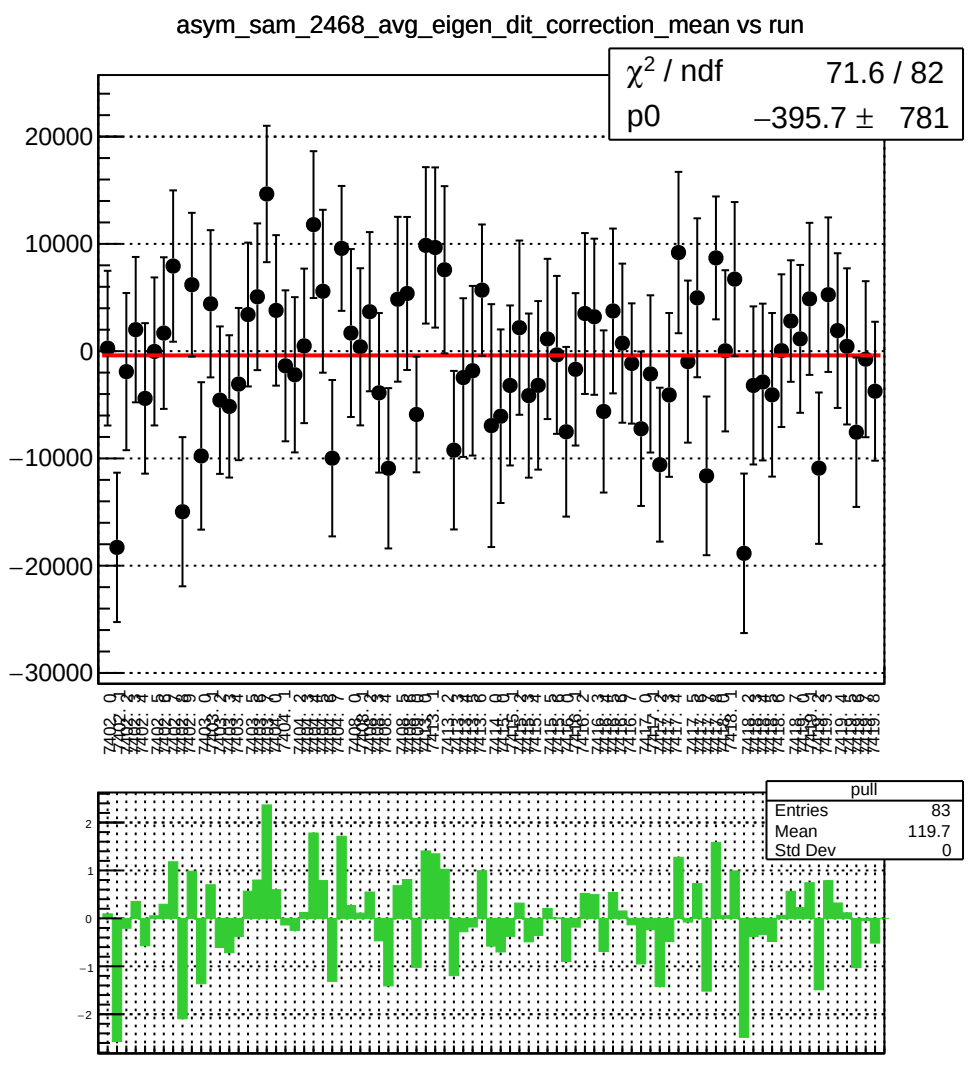

pull1D
Entries 83
Mean −0.0162
Std Dev 0.9287
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

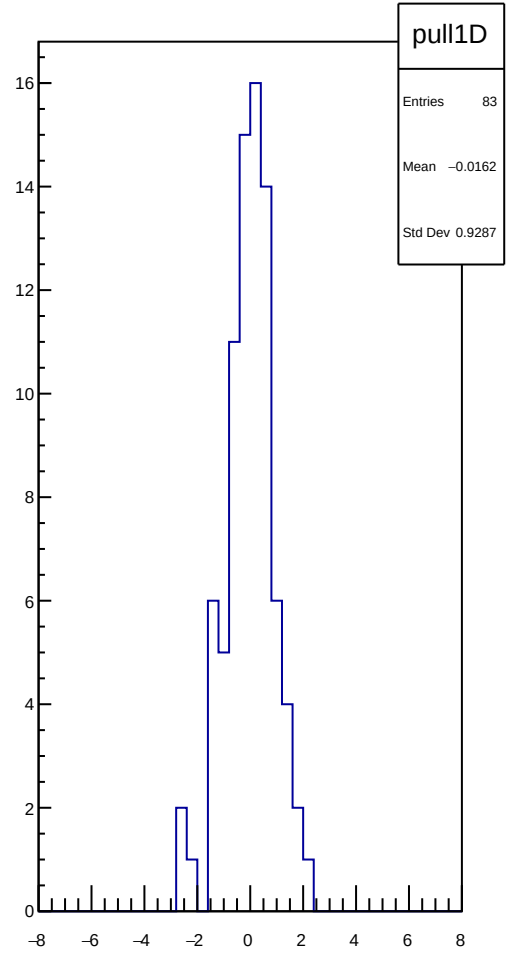

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 3091 / 82
p0 693.2 ± 0.5523
780
760
740
720
700
680
660
640
620

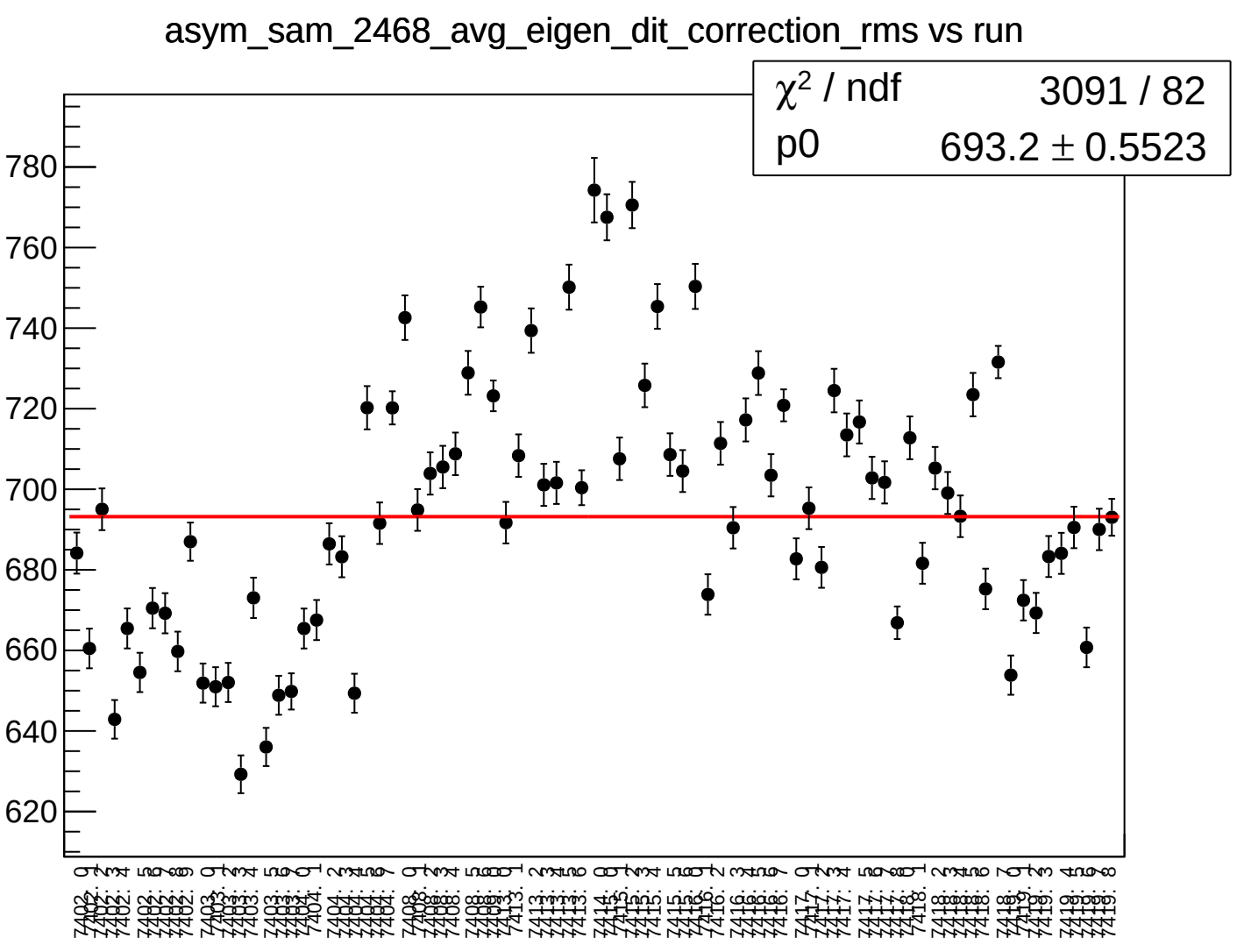

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 83.25 / 82
p0 −10.04 ± 201
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 83
Mean 44.7
Std Dev 39.57
2
1
0
−1
−2
−3

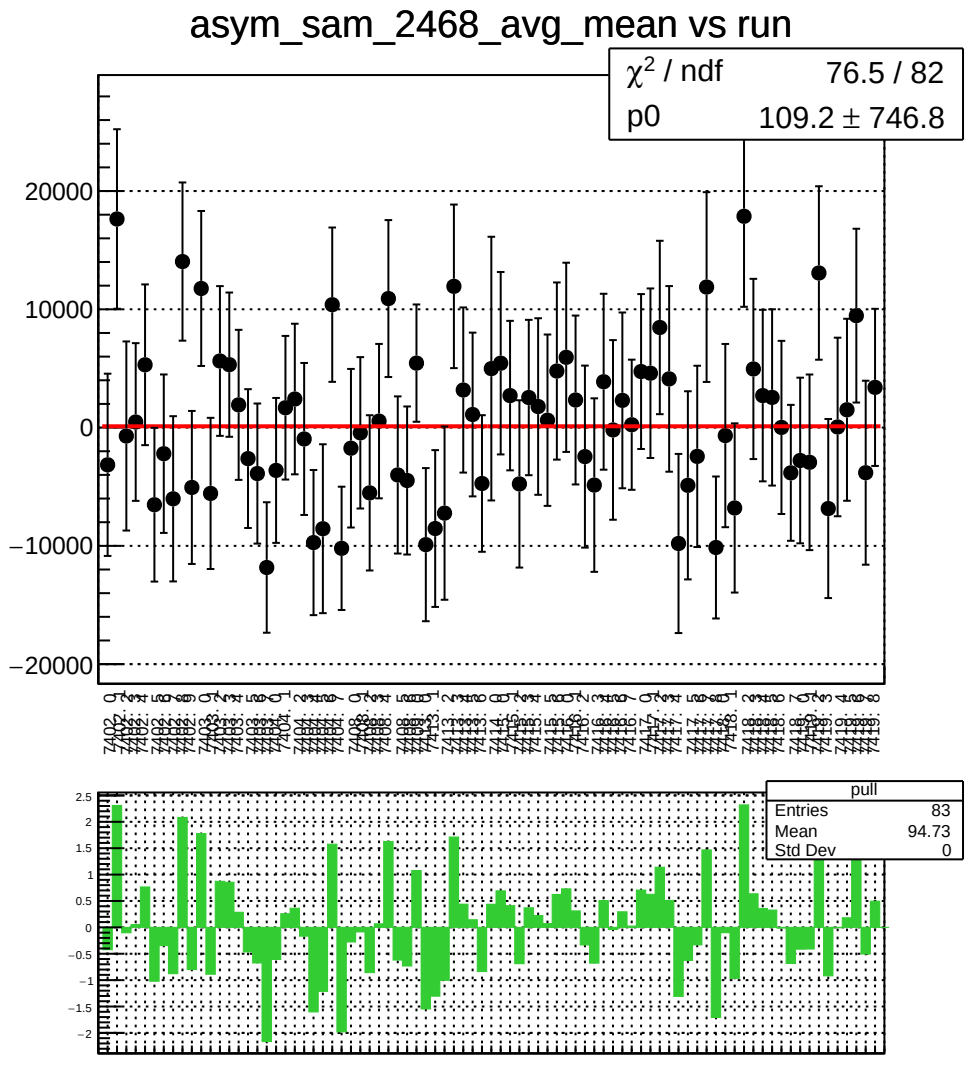

pull1D
Entries 83
Mean −0.02992
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

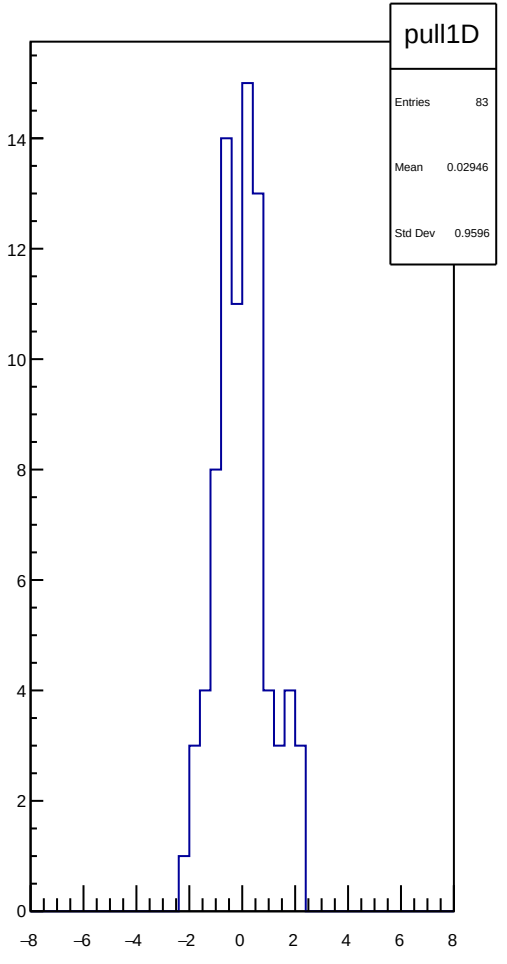

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4.606e+04 / 82
p0 176 ± 0.1421
240
220
200
180
160
140
120

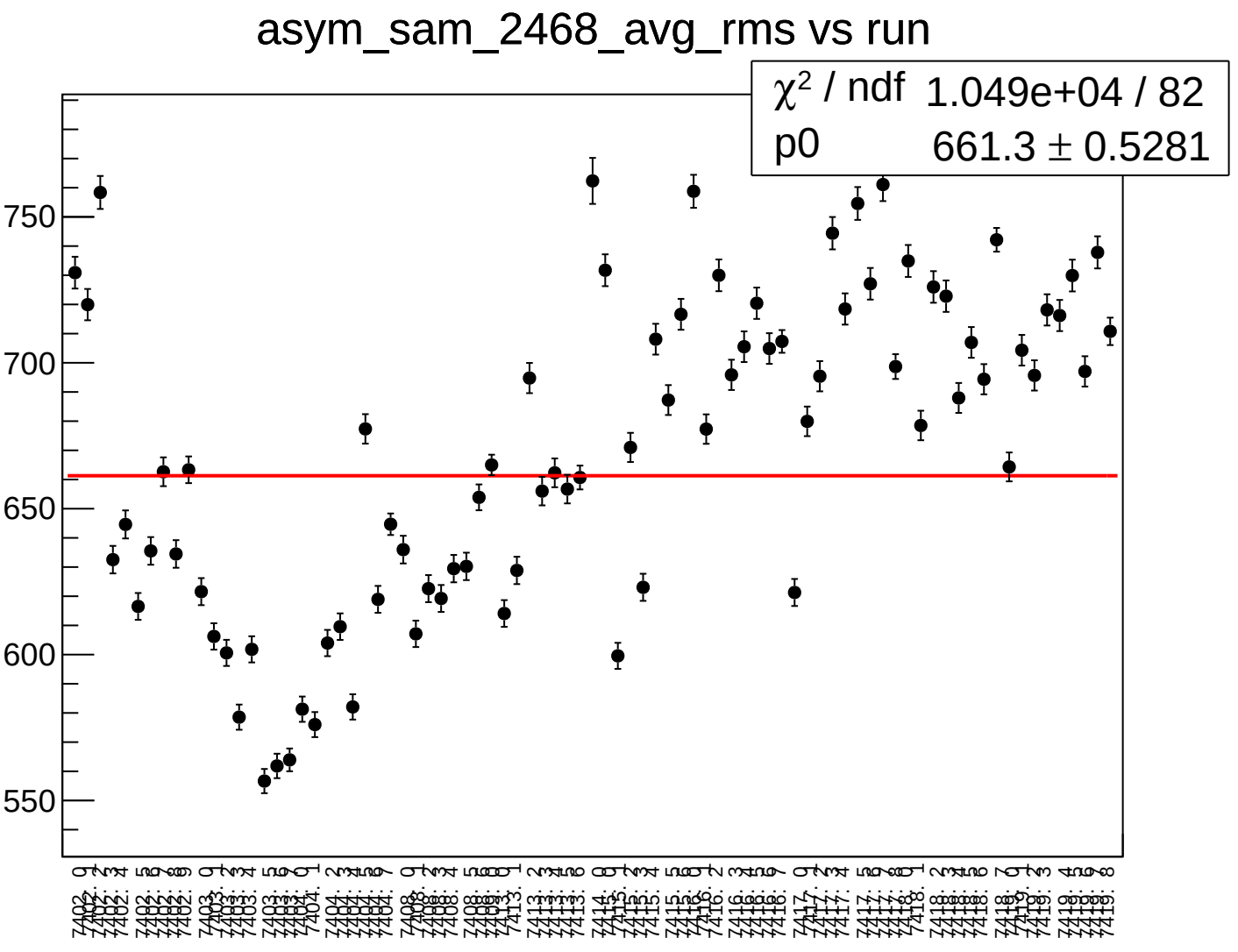

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.6 / 82
p0 −395.7 ± 781
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean 119.7
Std Dev 0
2
1
0
−1
−2

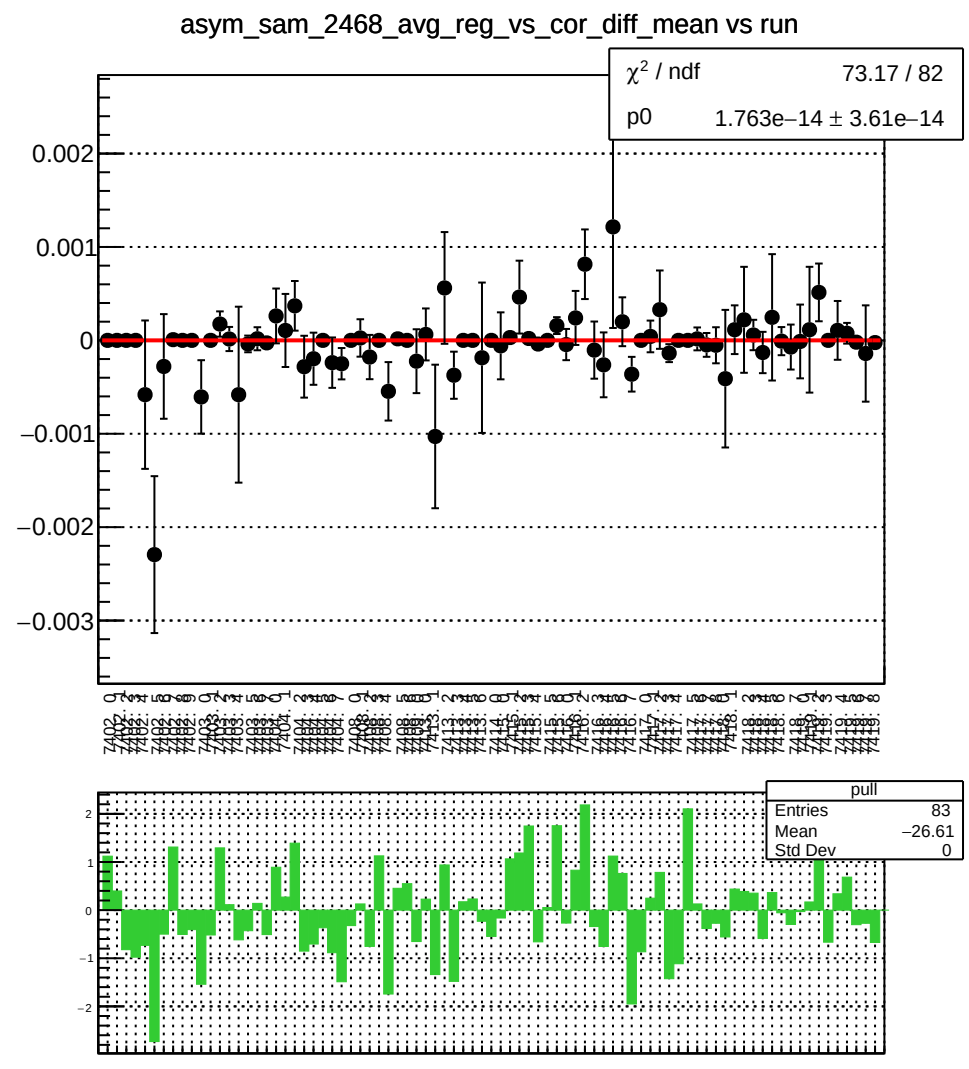

pull1D
Entries 83
Mean −0.0162
Std Dev 0.9287
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

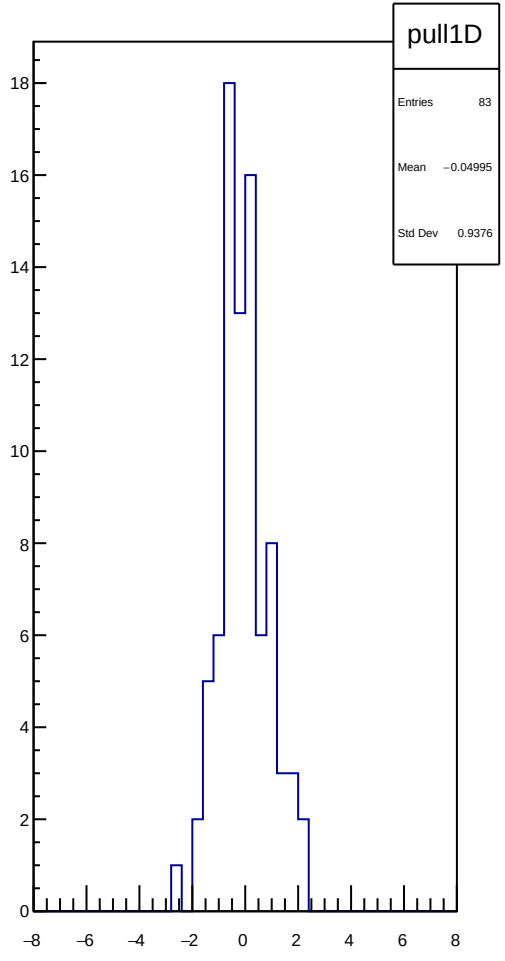

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 3091 / 82
p0 693.2 ± 0.5523
780
760
740
720
700
680
660
640
620

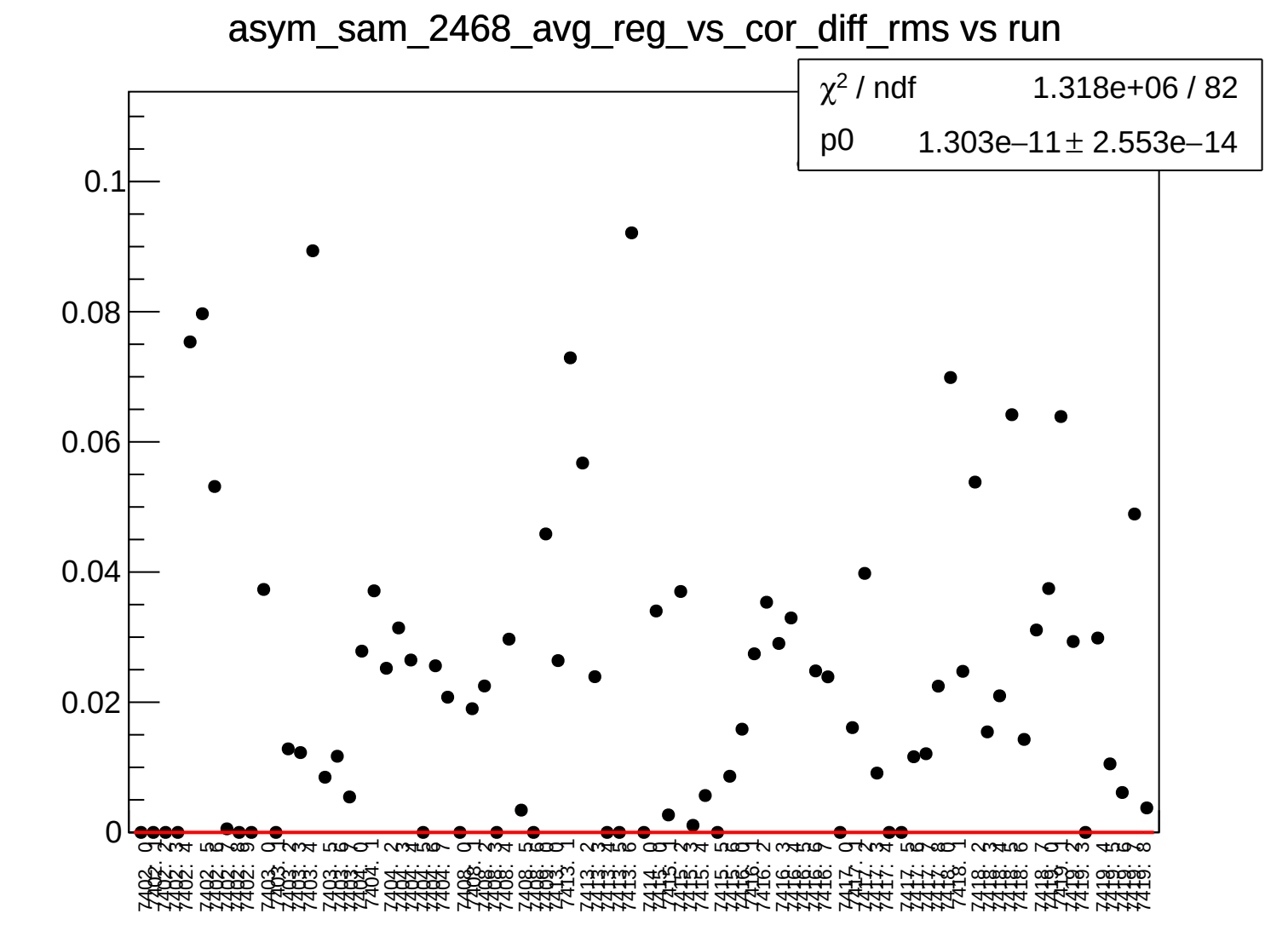

asym_sam_2468_avg_mean vs run
χ² / ndf 76.5 / 82
p0 109.2 ± 746.8
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 94.73
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

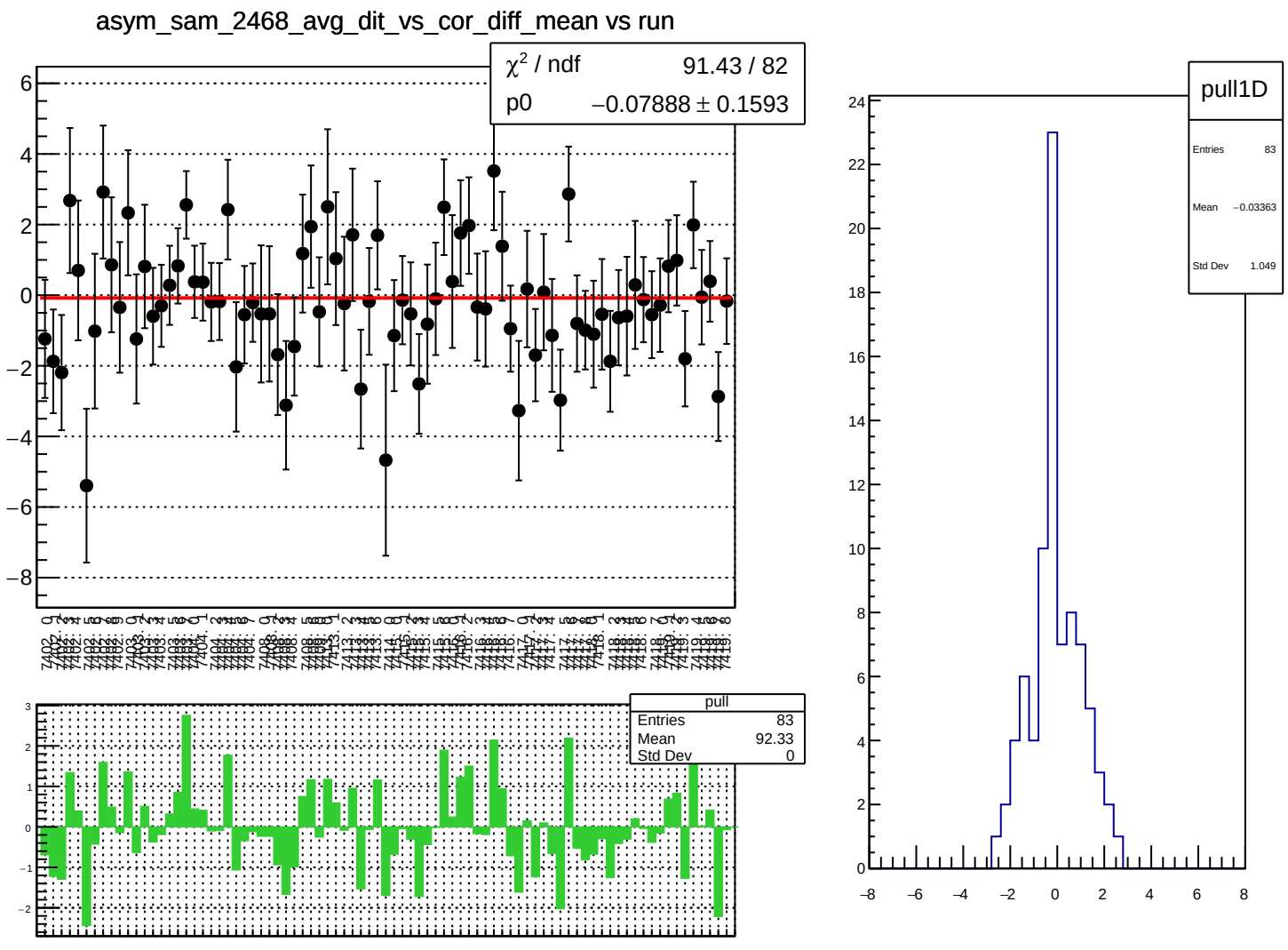

pull1D
Entries 83
Mean 0.02946
Std Dev 0.9596
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

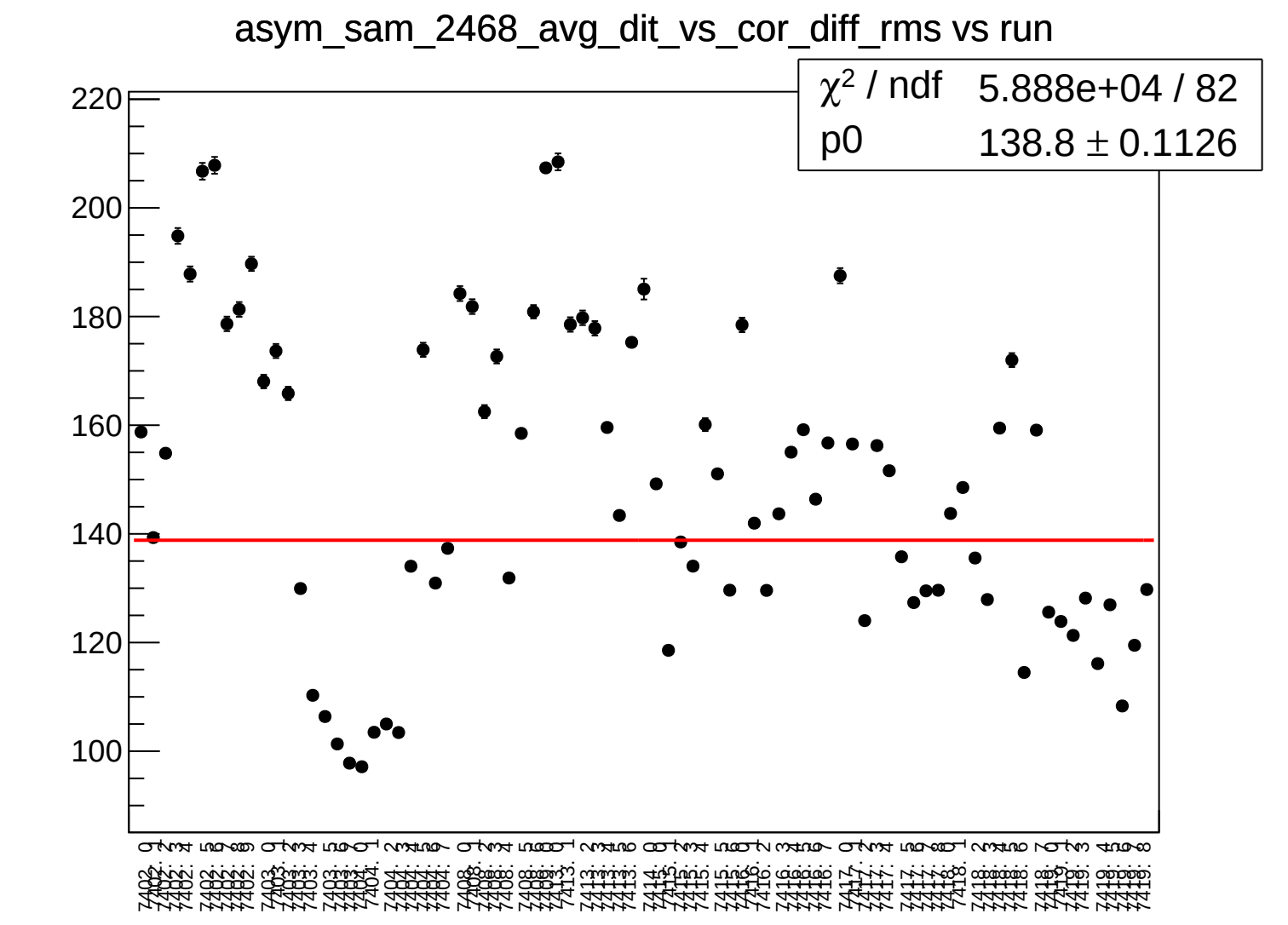

asym_sam_2468_avg_rms vs run
χ² / ndf 1.049e+04 / 82
p0 661.3 ± 0.5281
750
700
650
600
550

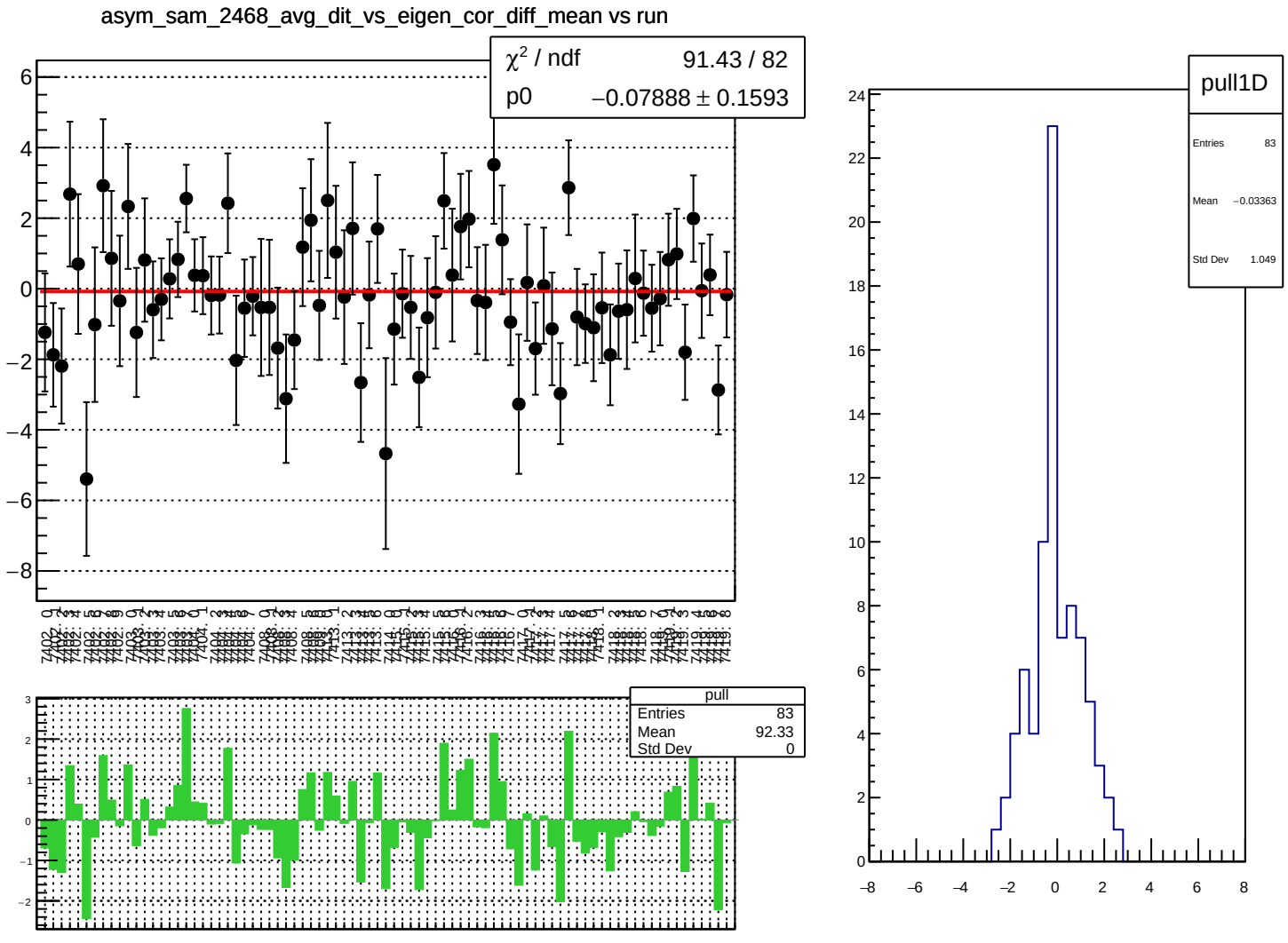

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.17 / 82
p0 1.763e−14 ± 3.61e−14
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 83
Mean −26.61
Std Dev 0
2
1
0
−1
−2

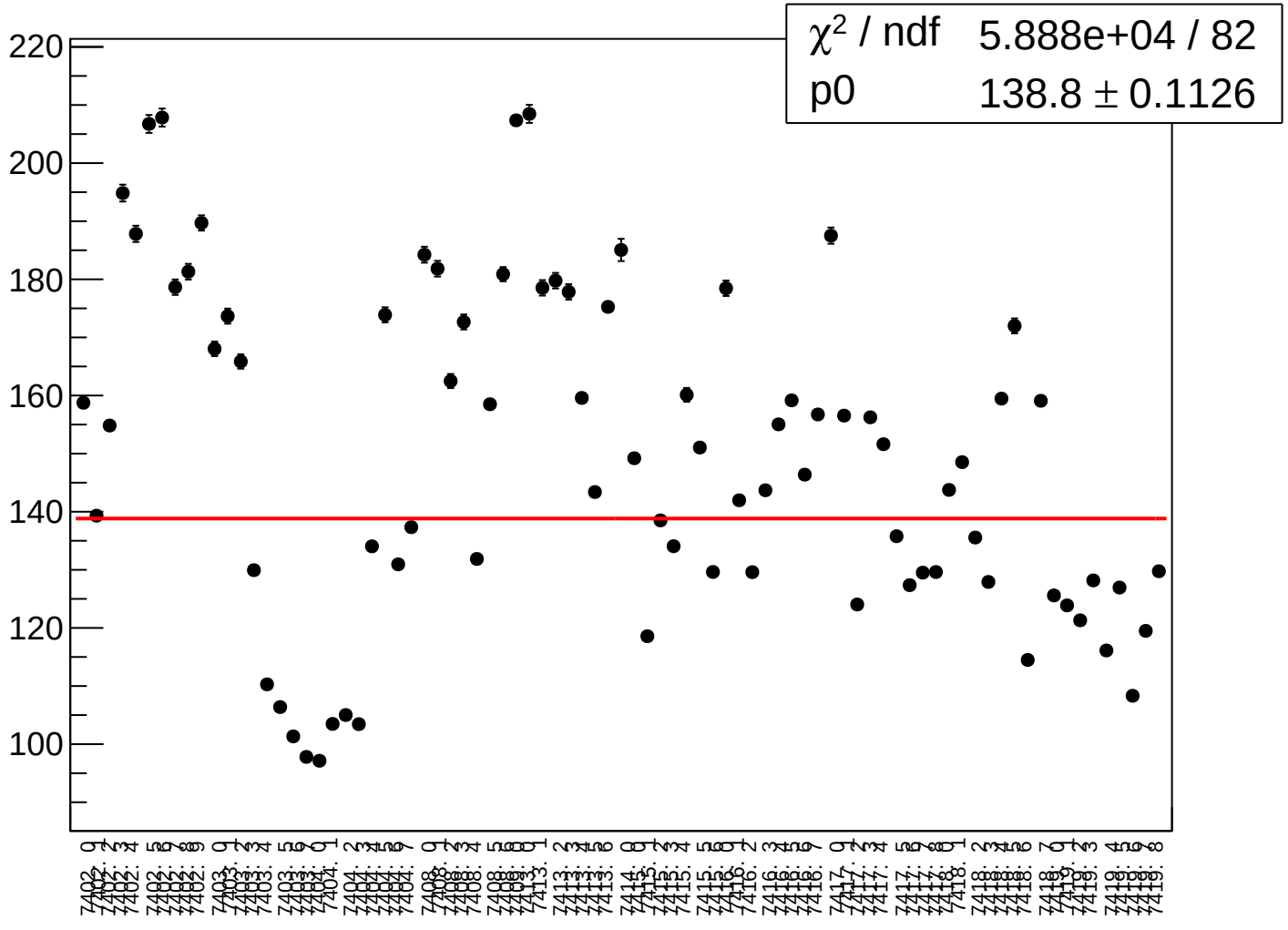

pull1D
Entries 83
Mean −0.04995
Std Dev 0.9376
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

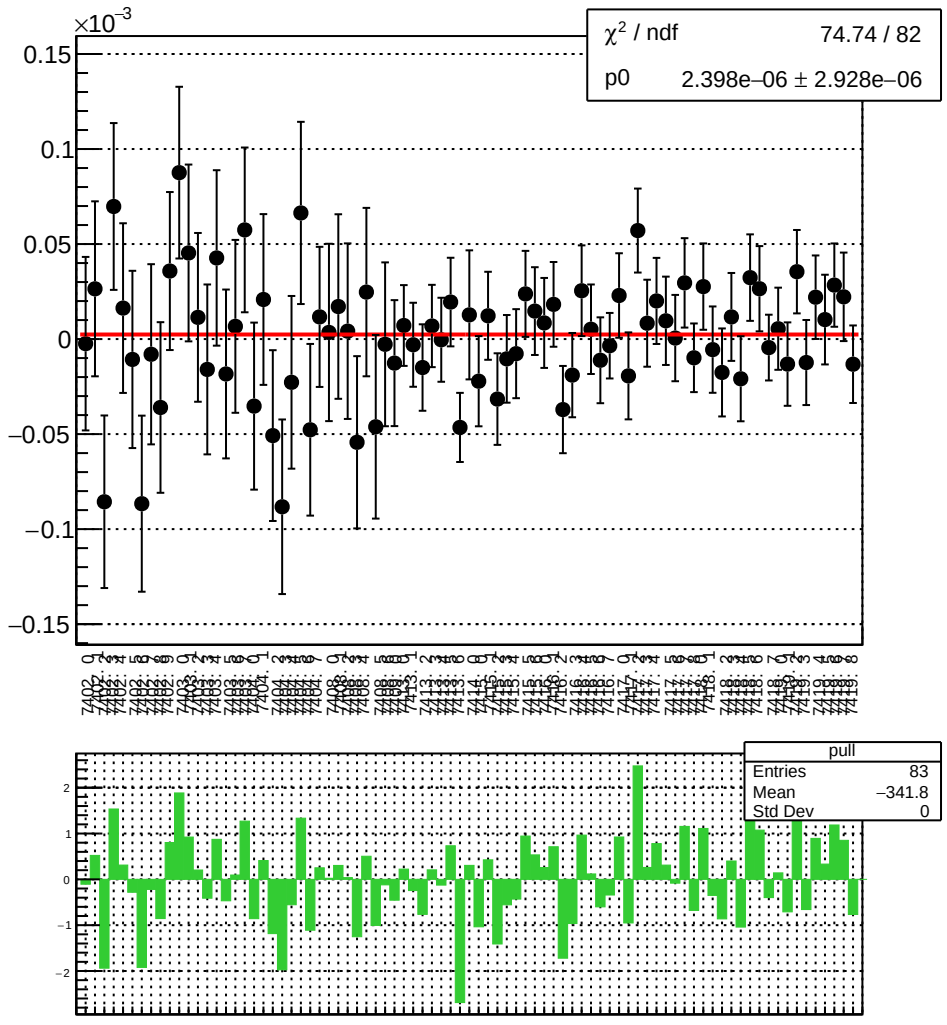

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.318e+06 / 82
p0 1.303e−11 ± 2.553e−14
0.1
0.08
0.06
0.04
0.02
0

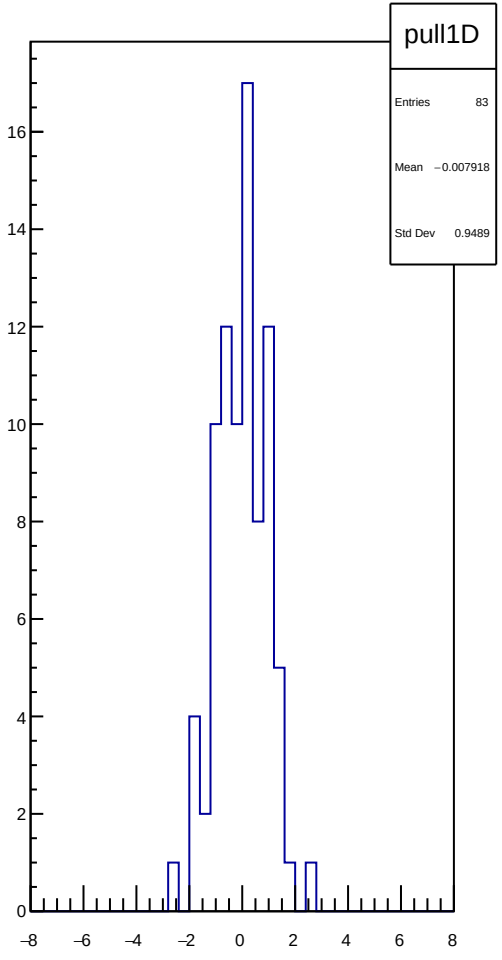

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.43 / 82
p0 −0.07888 ± 0.1593
pull
Entries 83
Mean 92.33
Std Dev 0
pull1D
Entries 83
Mean −0.03363
Std Dev 1.049

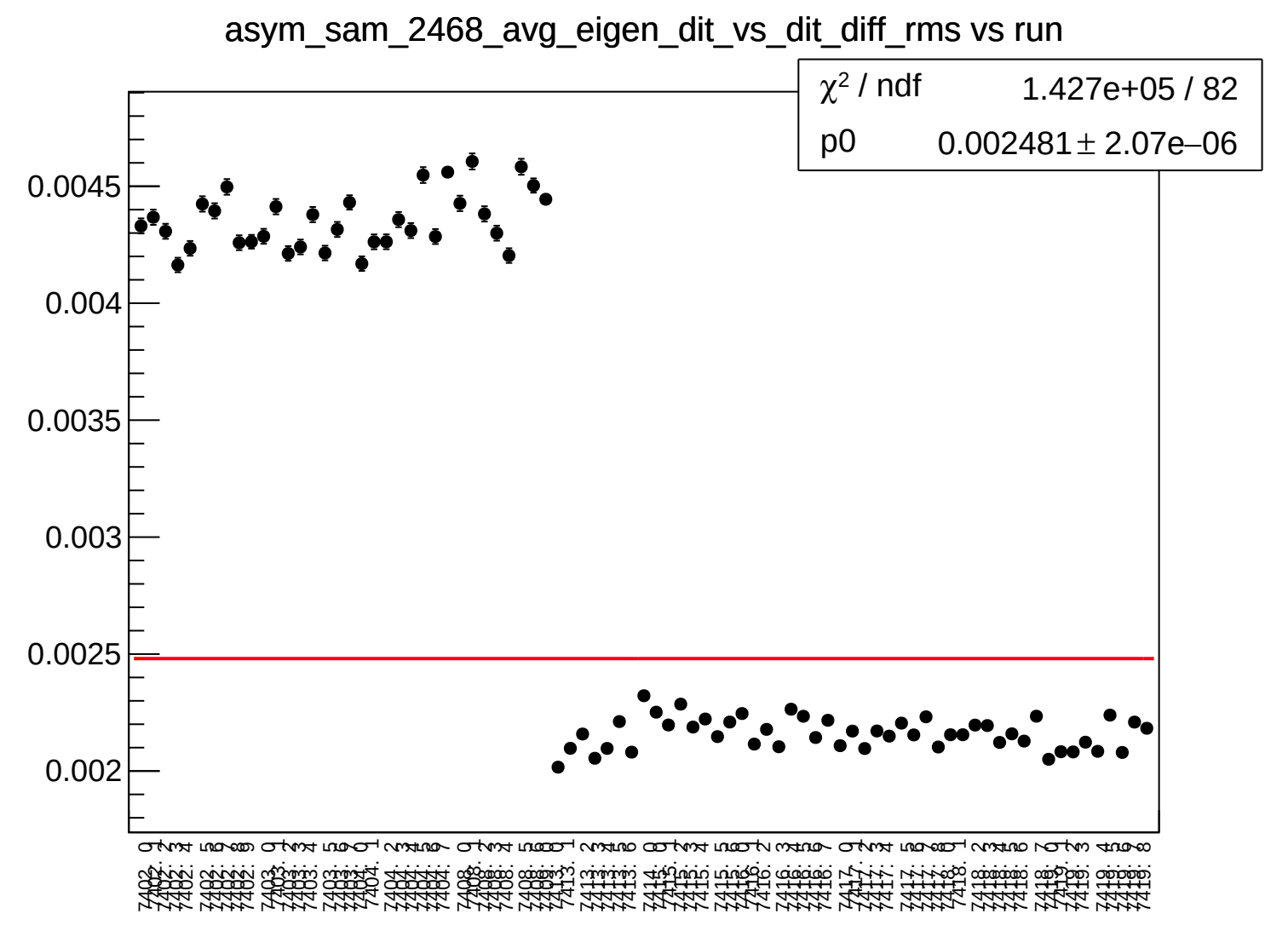

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.888e+04 / 82
p0 138.8 ± 0.1126
220
200
180
160
140
120
100

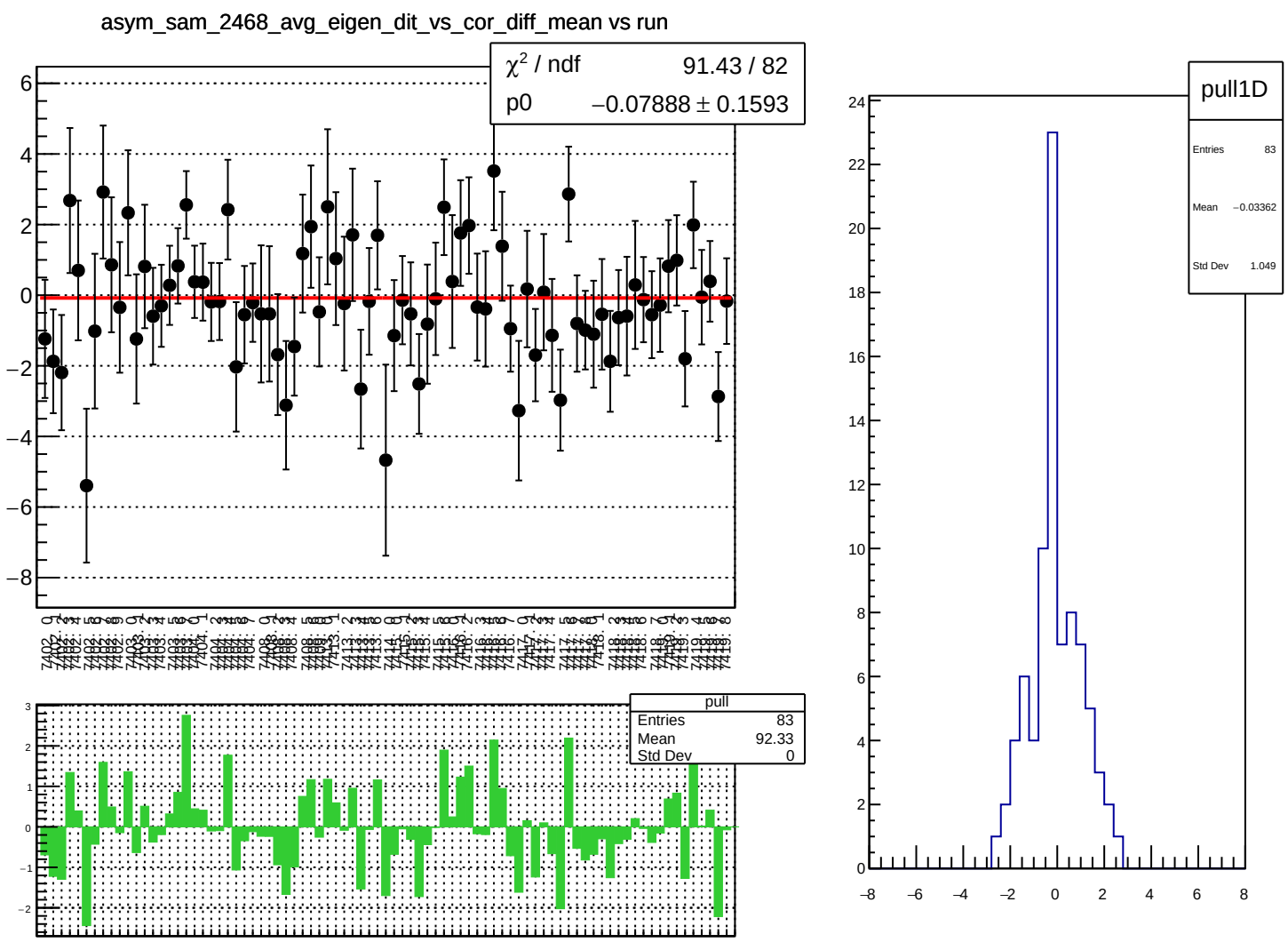

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.43 / 82
p0 −0.07888 ± 0.1593
pull
Entries 83
Mean 92.33
Std Dev 0
pull1D
Entries 83
Mean −0.03363
Std Dev 1.049

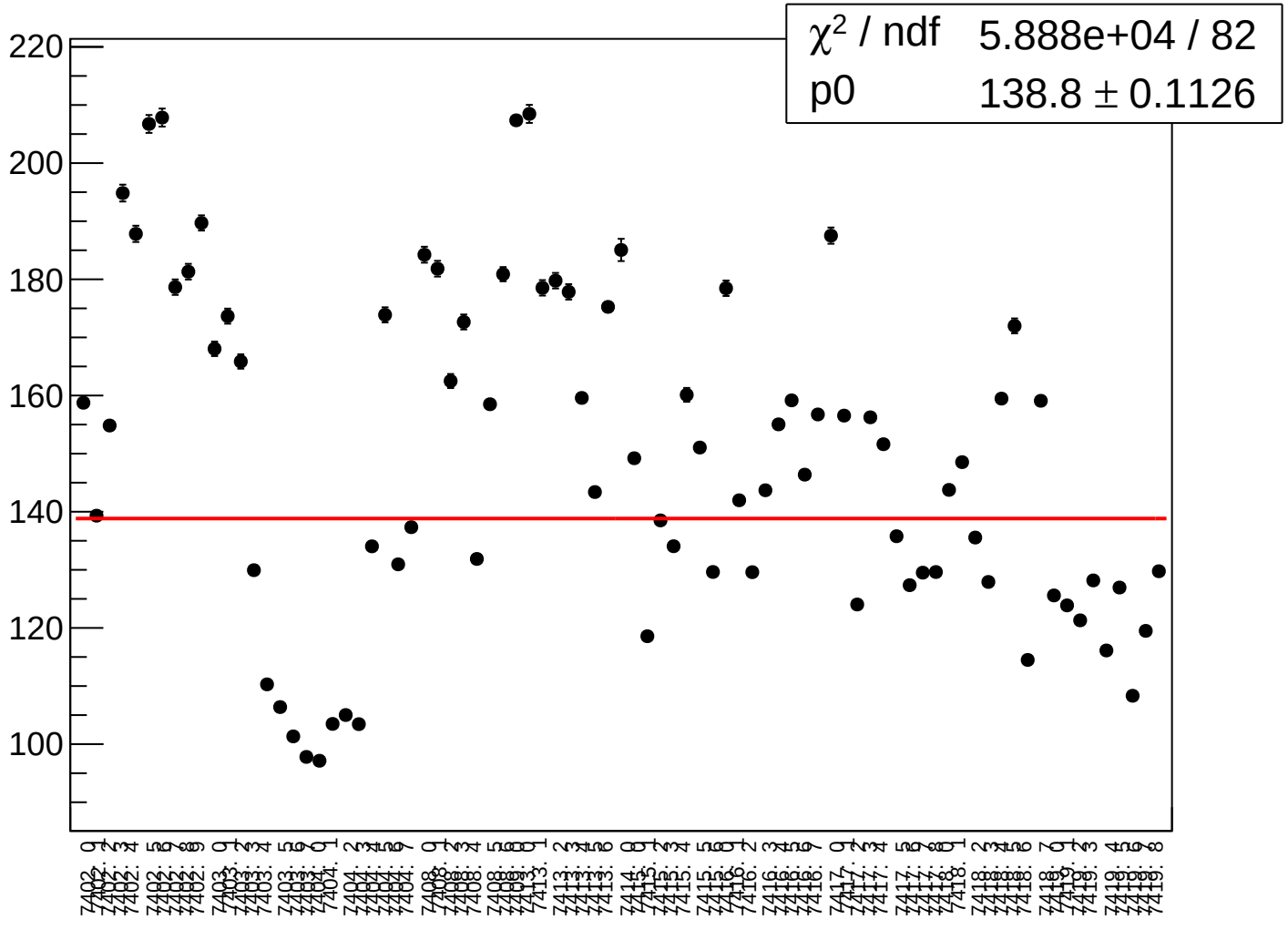

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.888e+04 / 82
p0 138.8 ± 0.1126
220
200
180
160
140
120
100

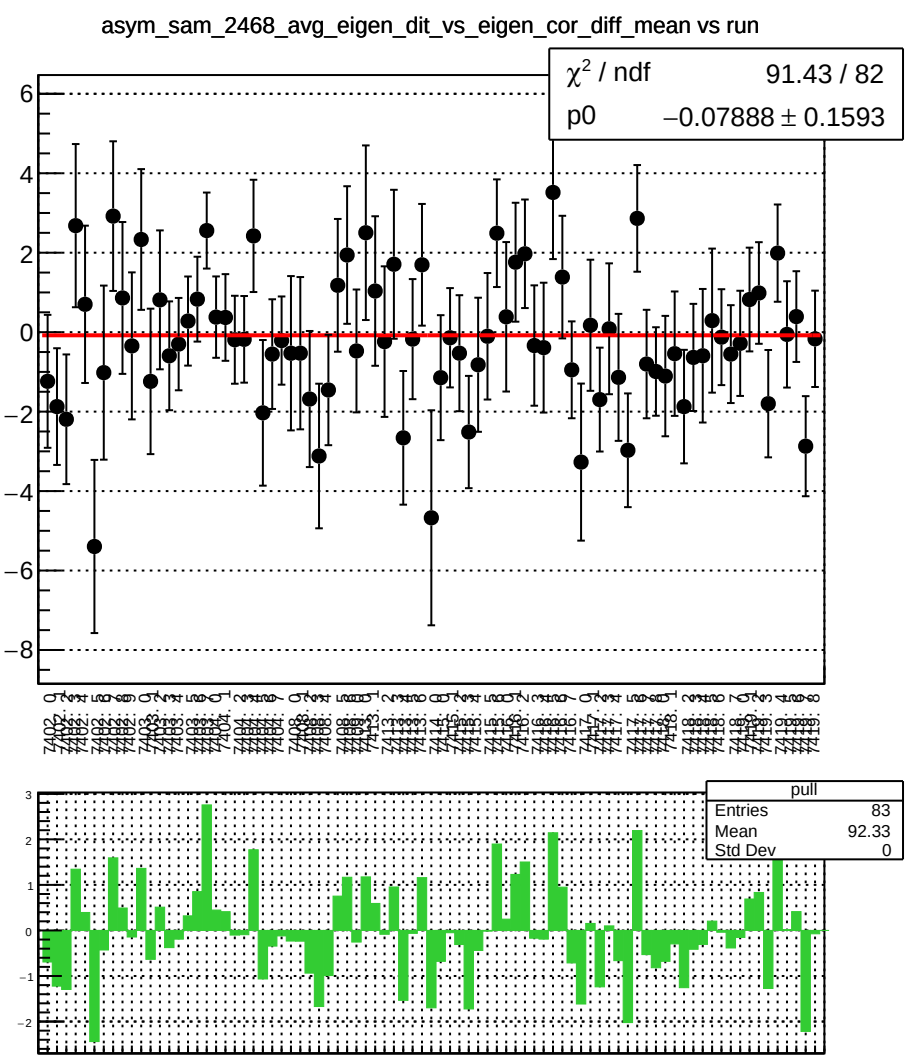

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.74 / 82
p0 2.398e−06 ± 2.928e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 83
Mean −341.8
Std Dev 0
2
1
0
−1
−2

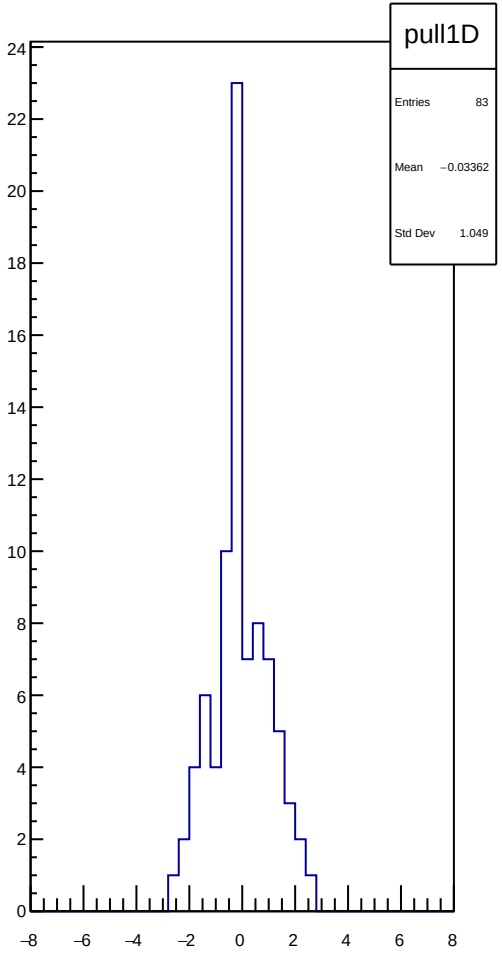

pull1D
Entries 83
Mean −0.007918
Std Dev 0.9489
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

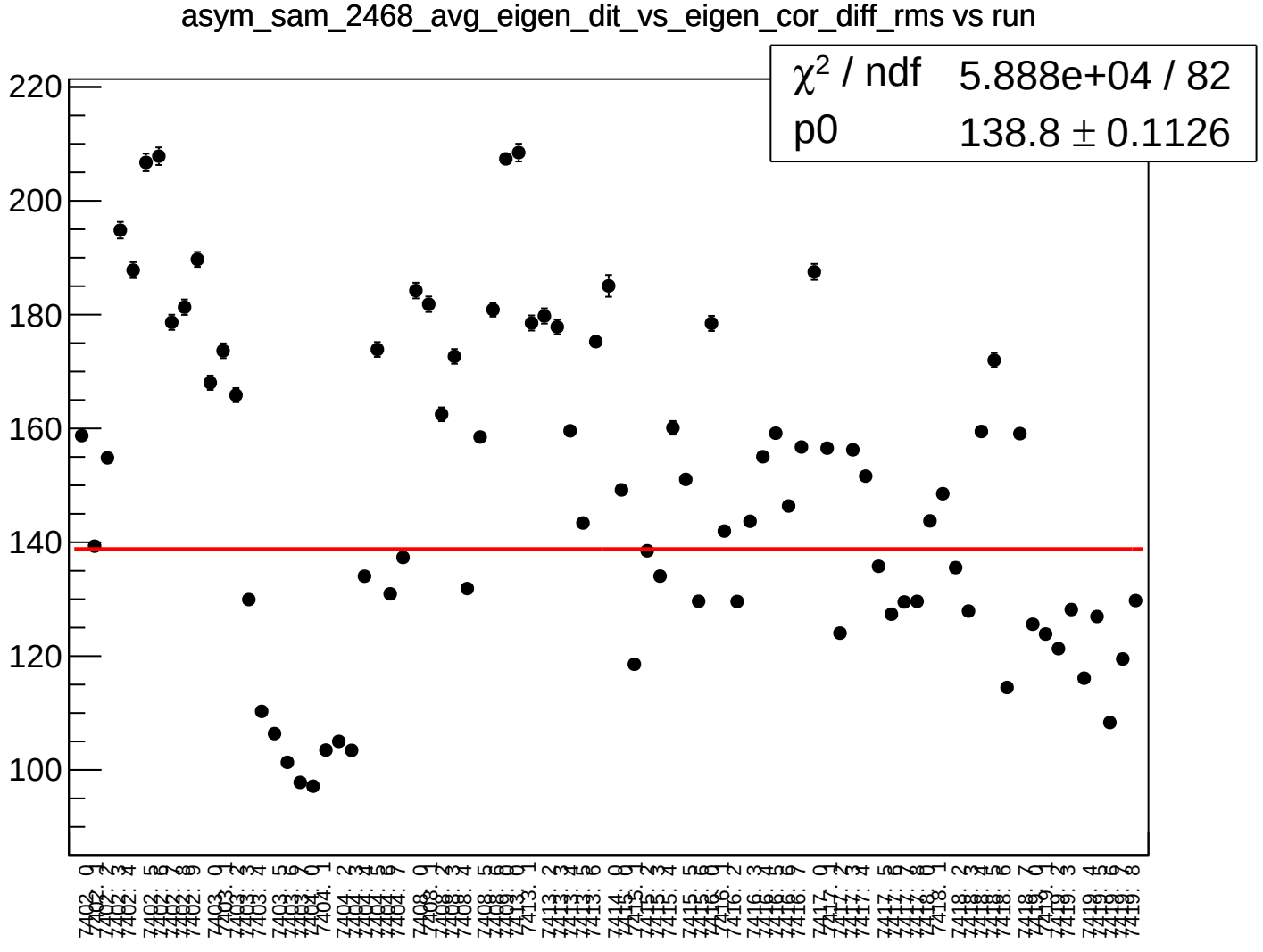

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.427e+05 / 82
p0 0.002481 ± 2.07e–06
0.0045
0.004
0.0035
0.003
0.0025
0.002

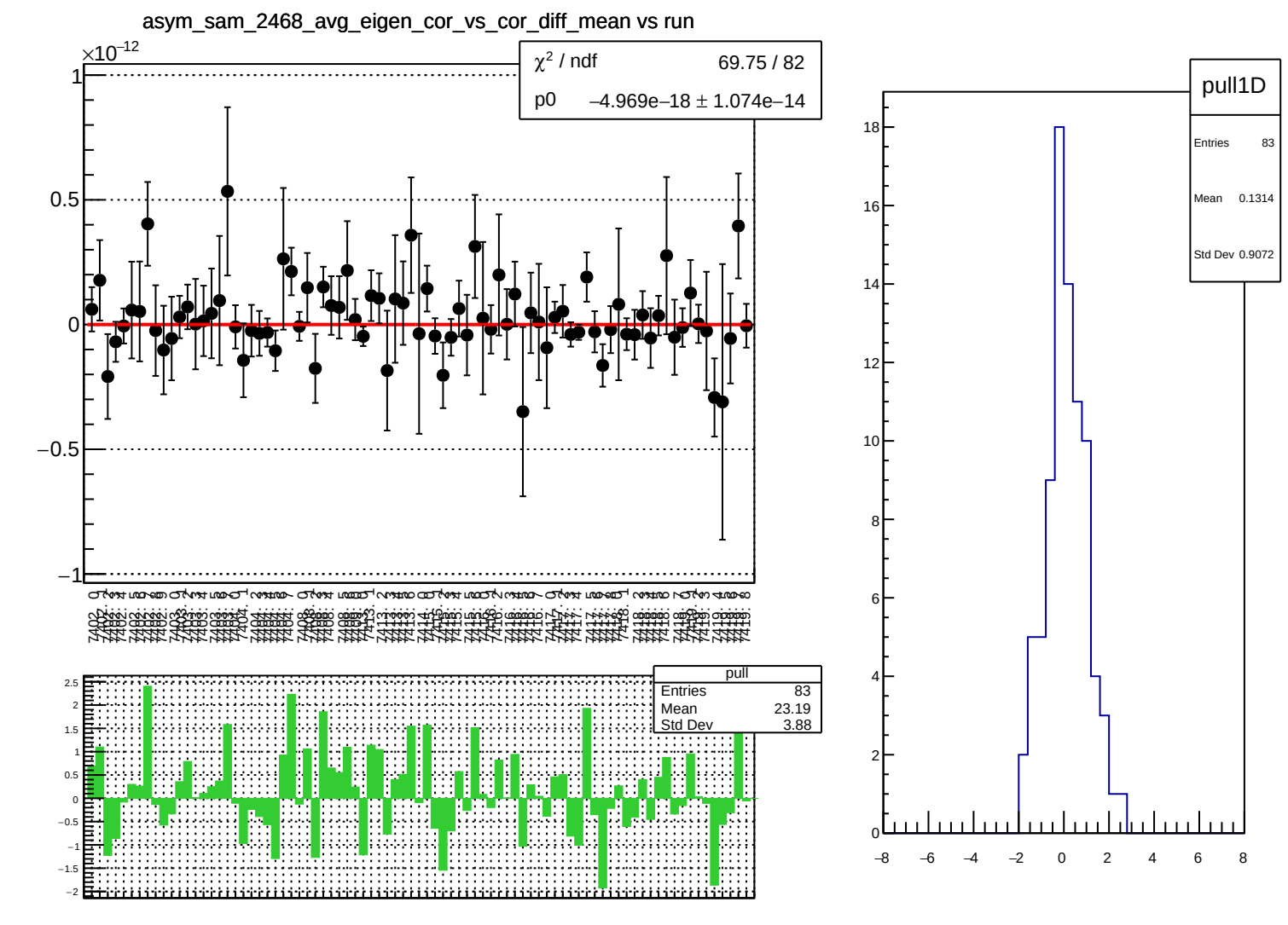

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.43 / 82
p0 −0.07888 ± 0.1593
pull
Entries 83
Mean 92.33
Std Dev 0
pull1D
Entries 83
Mean −0.03362
Std Dev 1.049

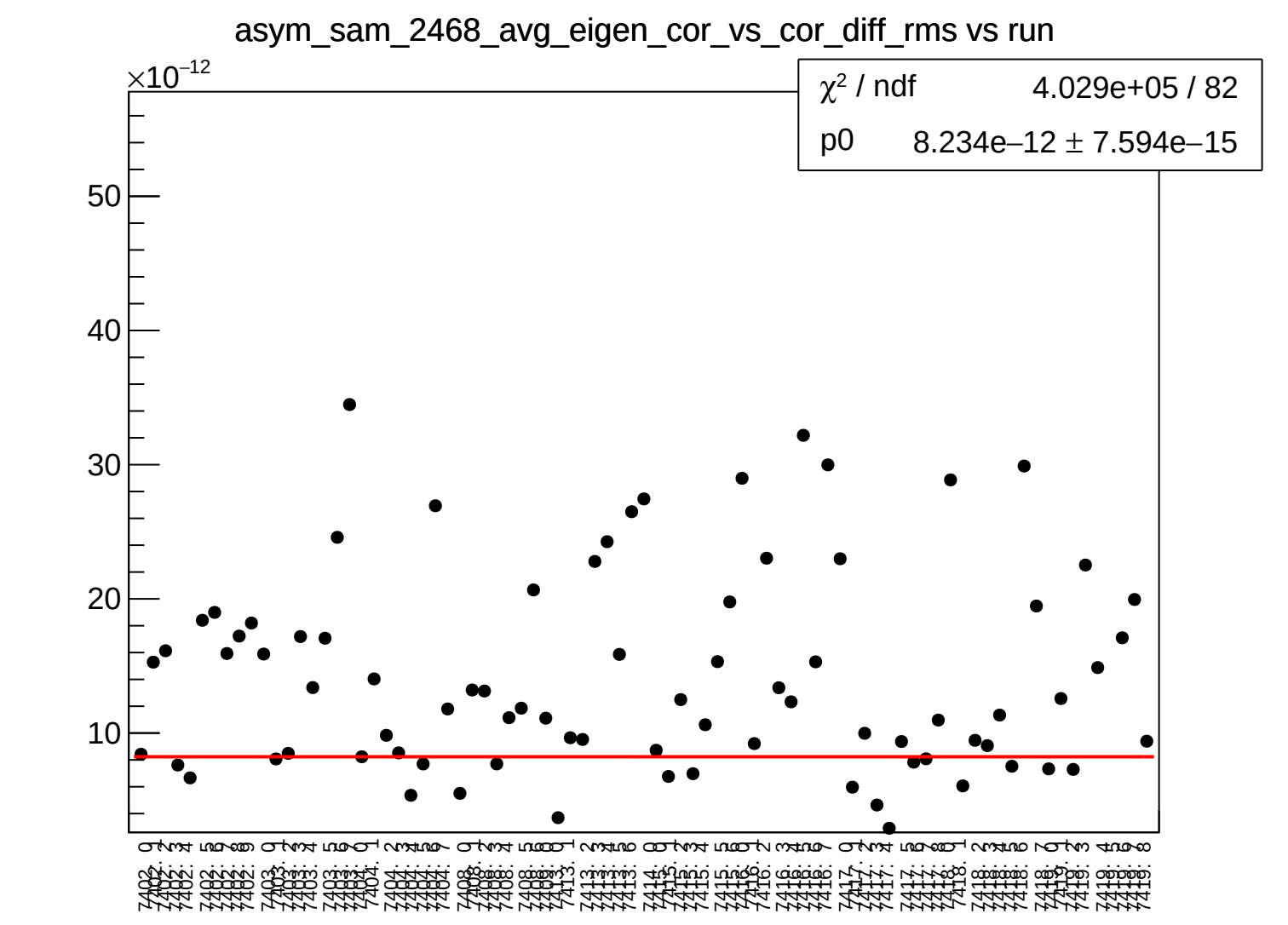

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.888e+04 / 82
p0 138.8 ± 0.1126
220
200
180
160
140
120
100

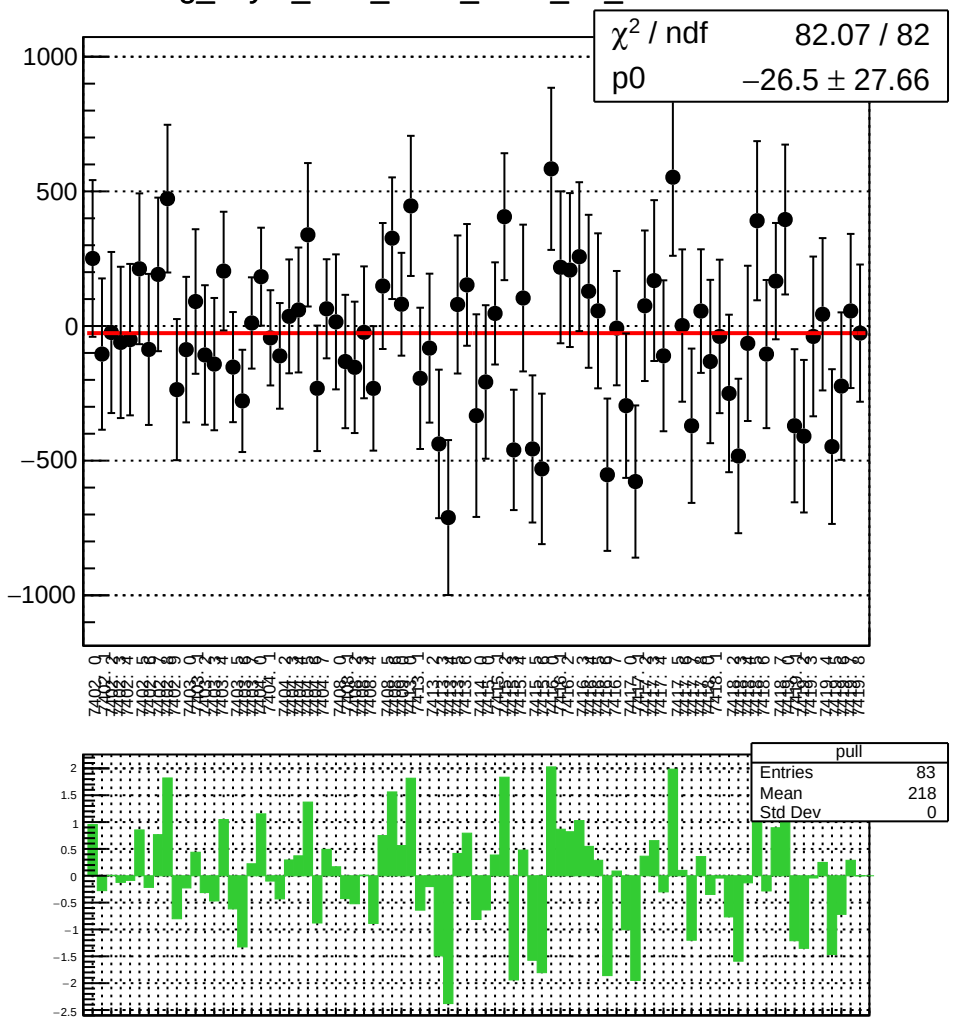

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.43 / 82
p0 −0.07888 ± 0.1593
pull
Entries 83
Mean 92.33
Std Dev 0

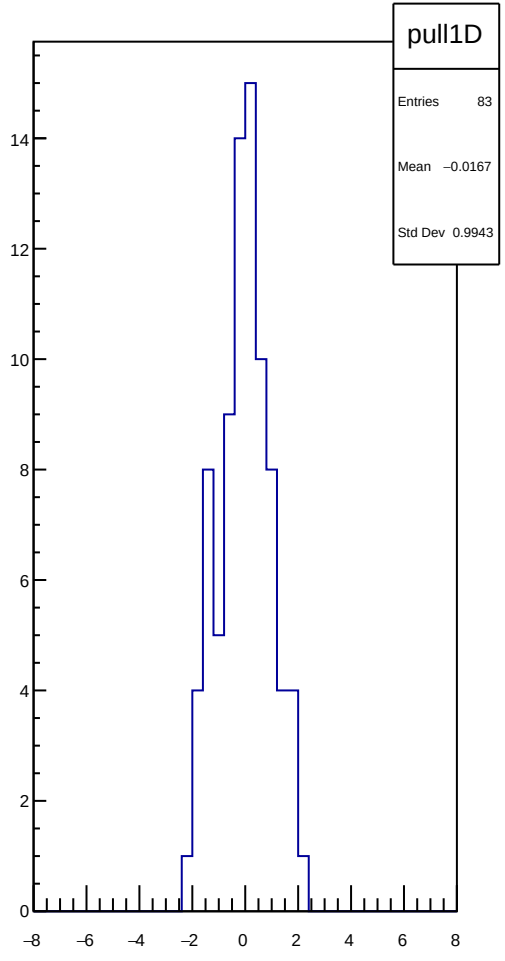

pull1D
Entries 83
Mean −0.03362
Std Dev 1.049

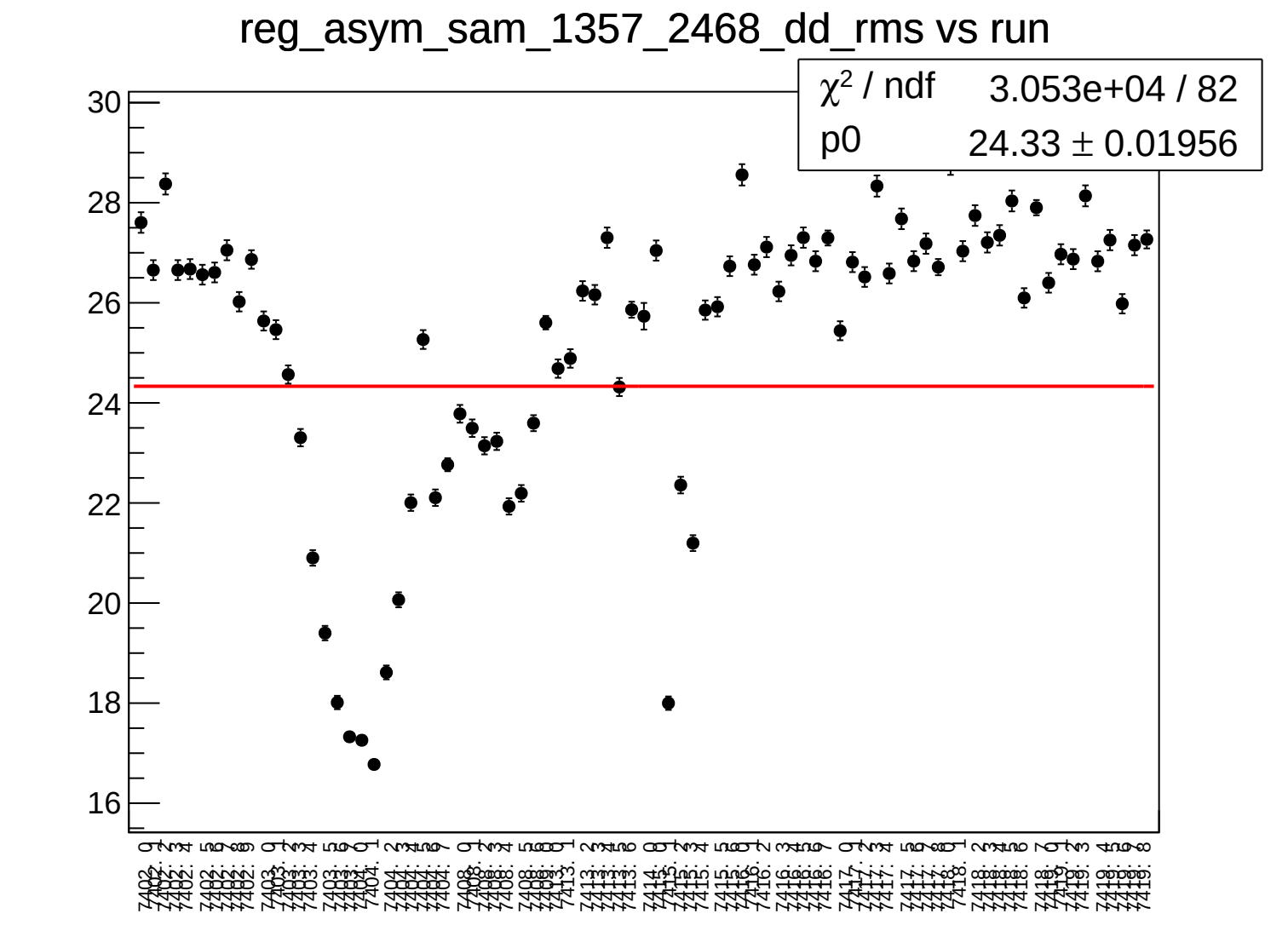

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.888e+04 / 82
p0 138.8 ± 0.1126
220
200
180
160
140
120
100

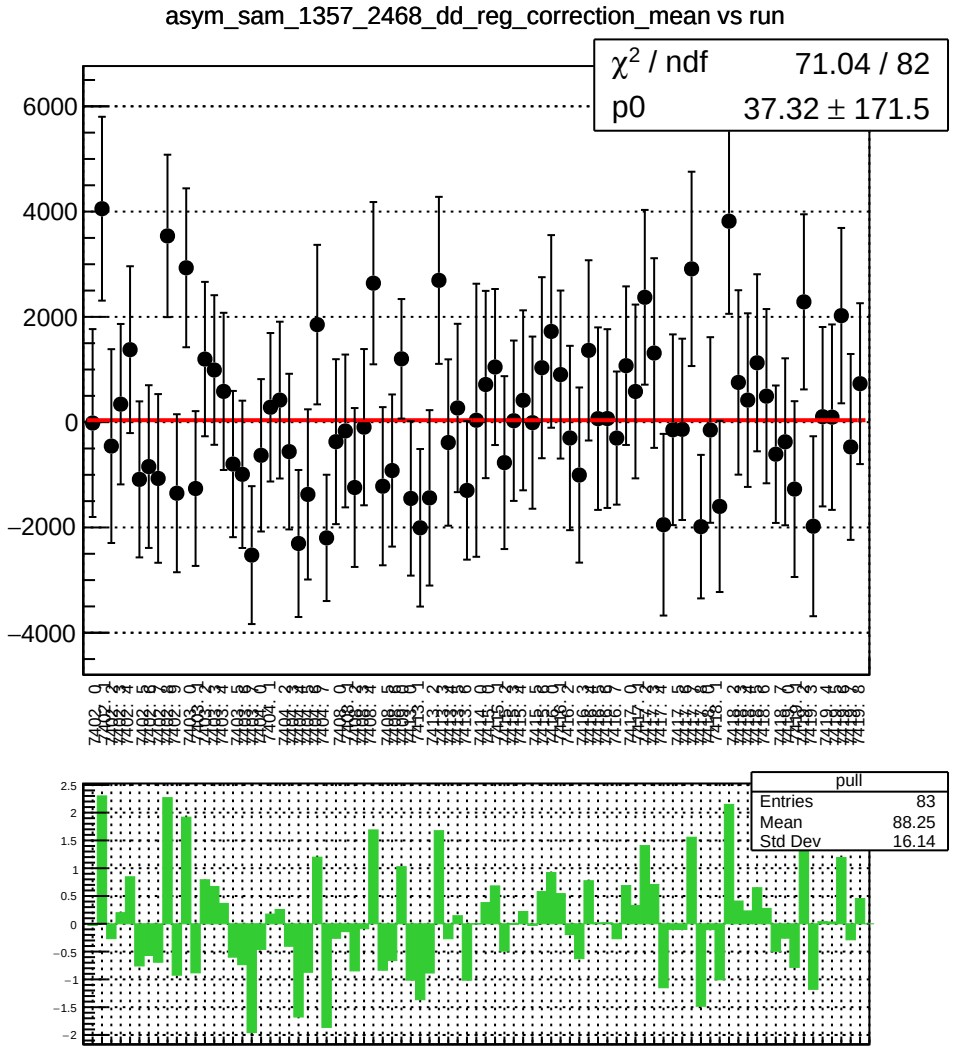

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 69.75 / 82
p0 −4.969e−18 ± 1.074e−14
pull
Entries 83
Mean 23.19
Std Dev 3.88
pull1D
Entries 83
Mean 0.1314
Std Dev 0.9072

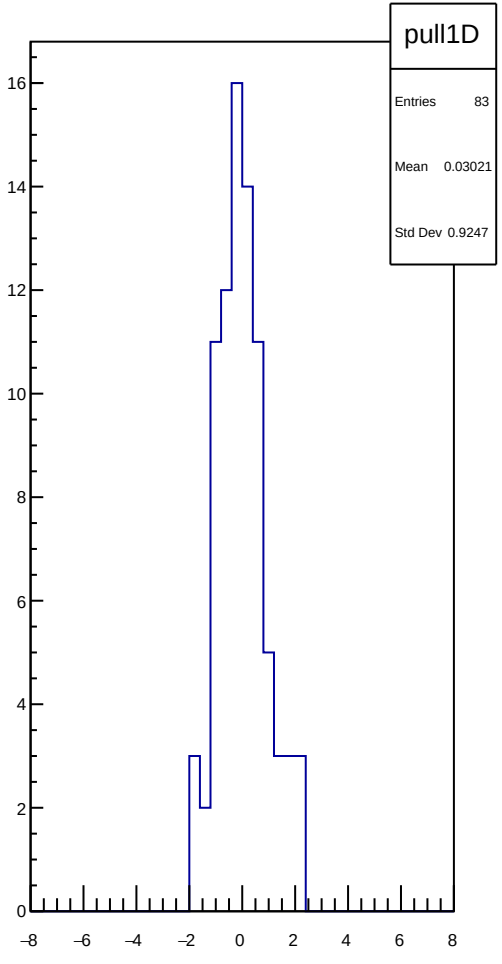

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.029e+05 / 82
p0 8.234e−12 ± 7.594e−15
50
40
30
20
10

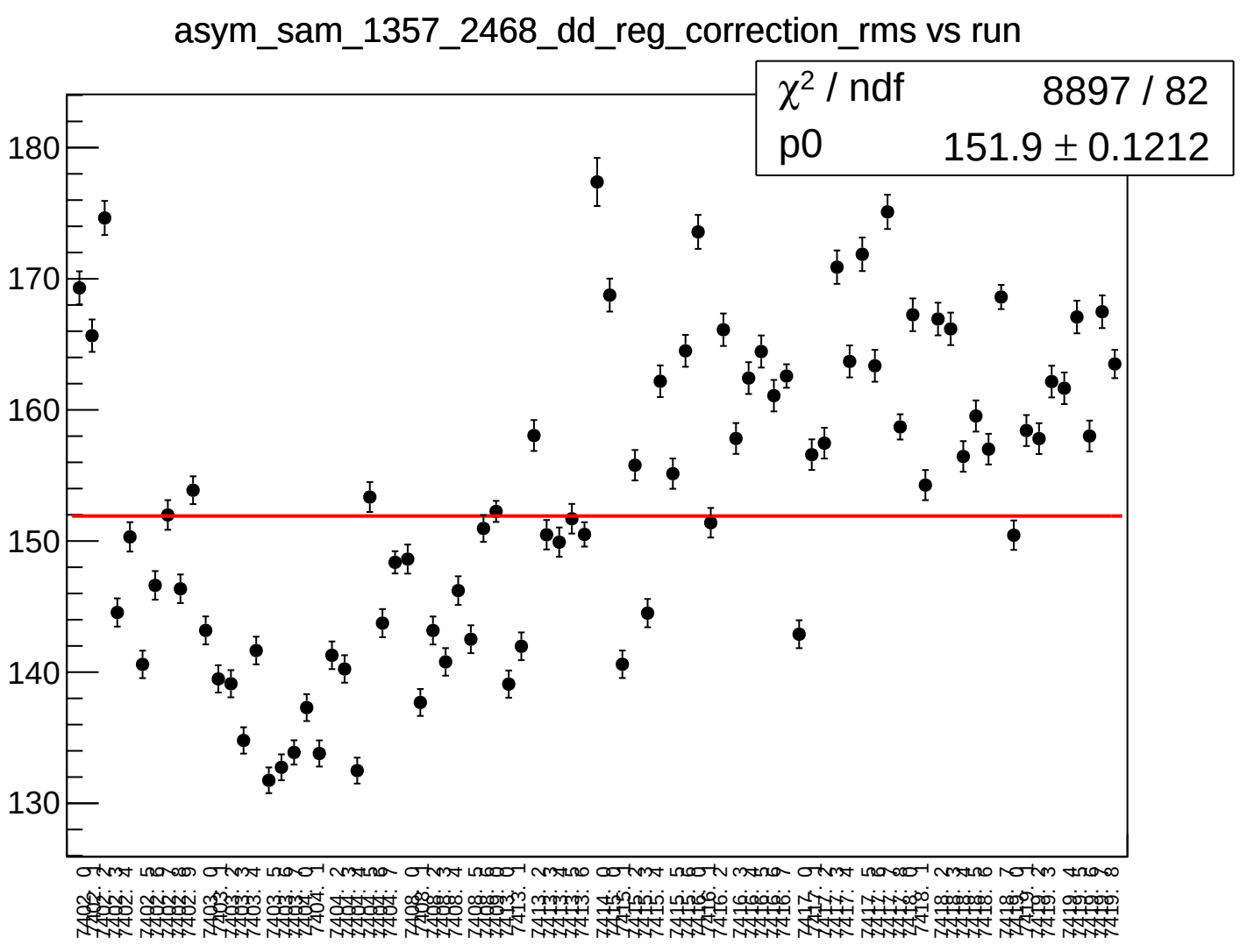

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 82.07 / 82
p0 −26.5 ± 27.66
1000
500
0
−500
−1000
pull
Entries 83
Mean 218
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

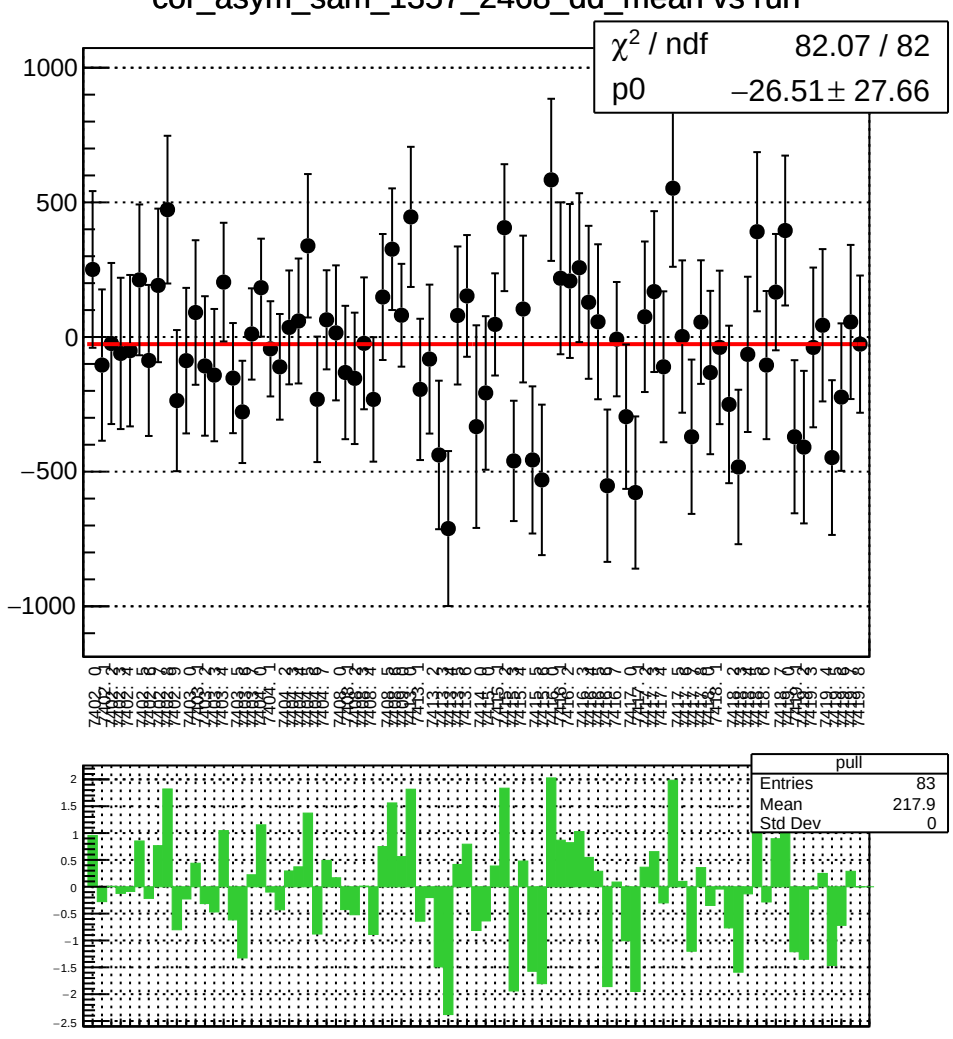

pull1D
Entries 83
Mean −0.0167
Std Dev 0.9943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

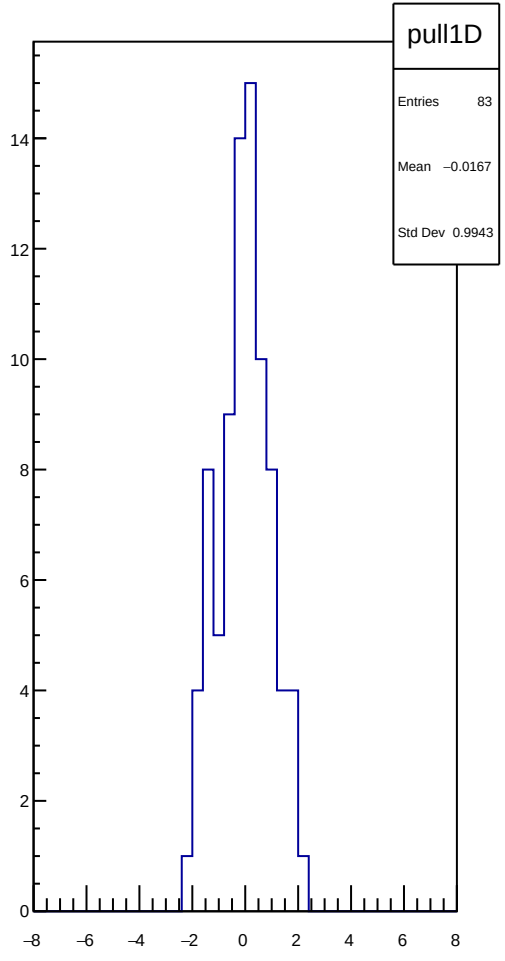

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.053e+04 / 82
p0 24.33 ± 0.01956
30
28
26
24
22
20
18
16

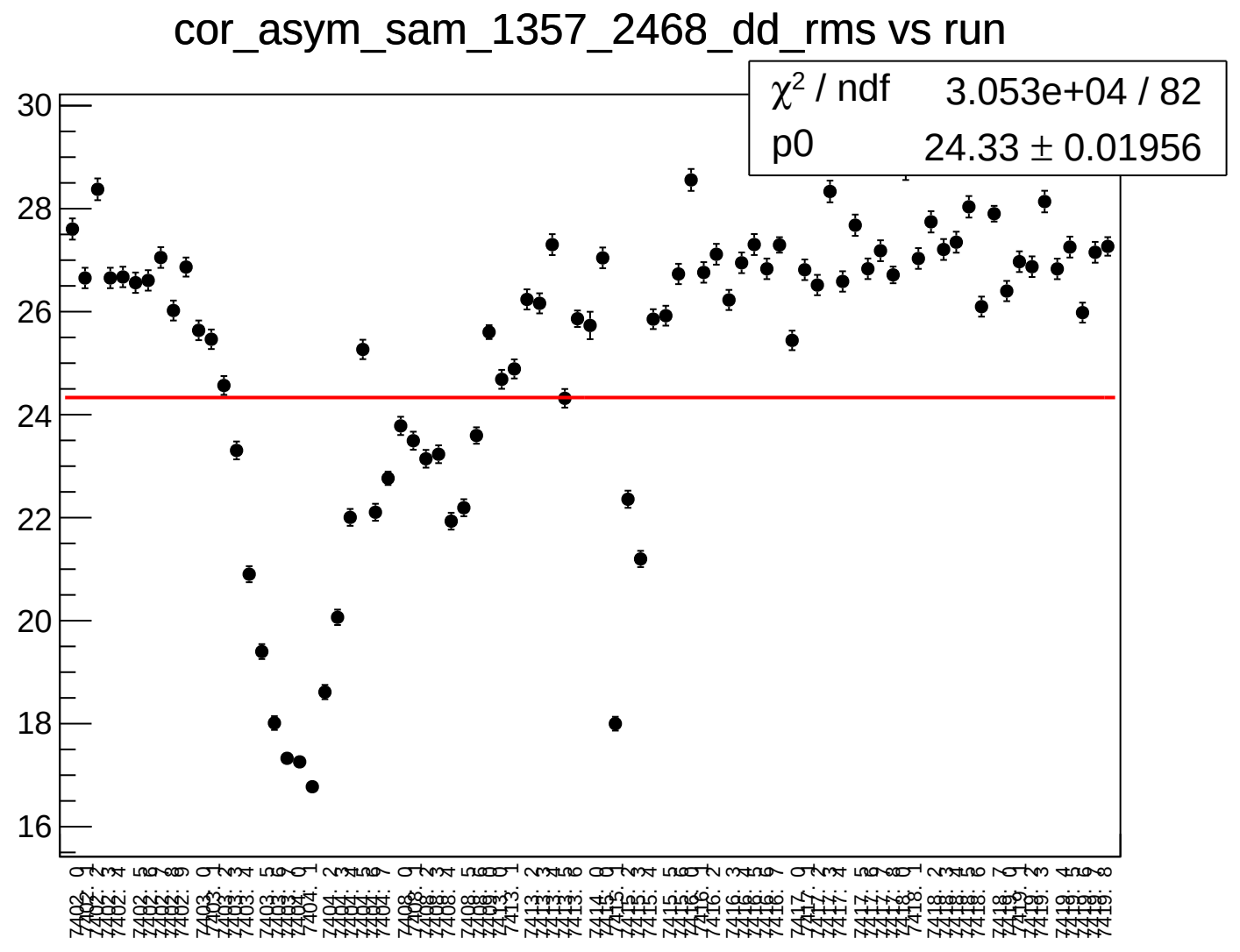

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 71.04 / 82
p0 37.32 ± 171.5
pull
Entries 83
Mean 88.25
Std Dev 16.14

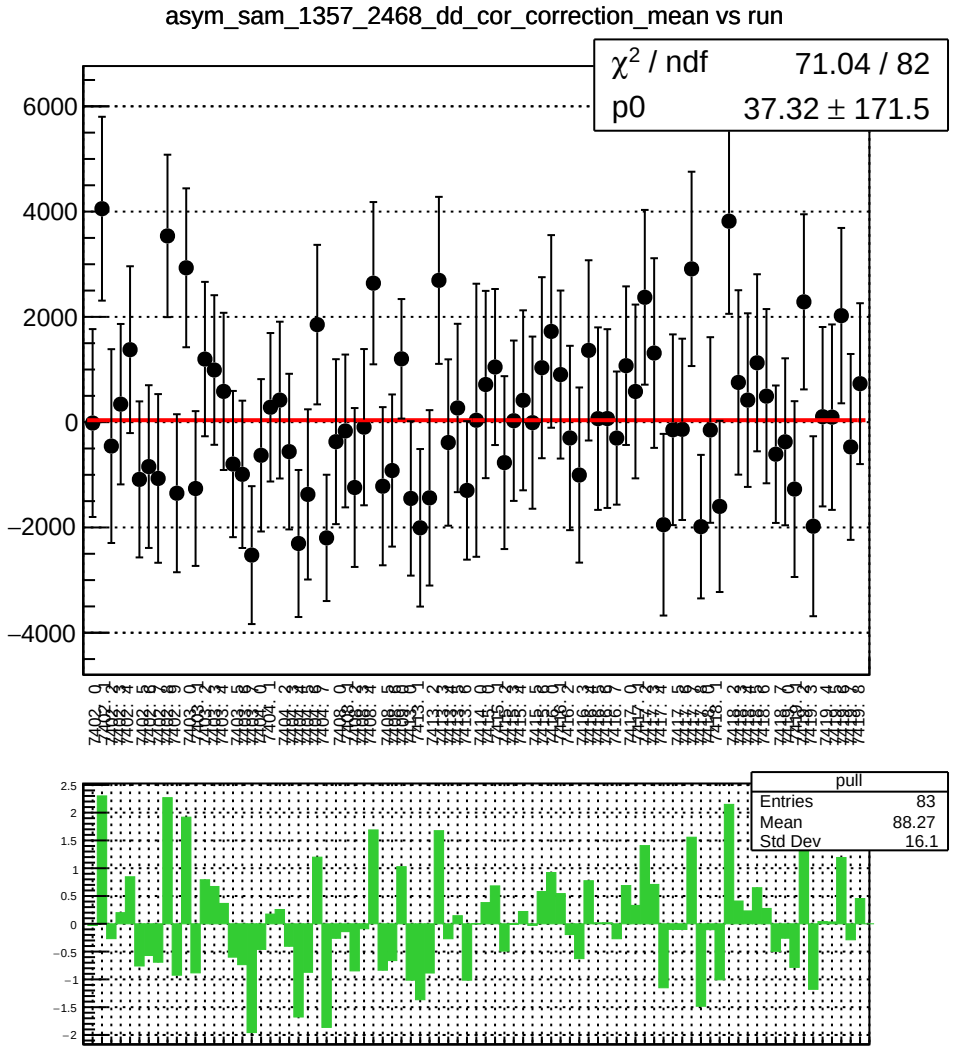

pull1D
Entries 83
Mean 0.03021
Std Dev 0.9247

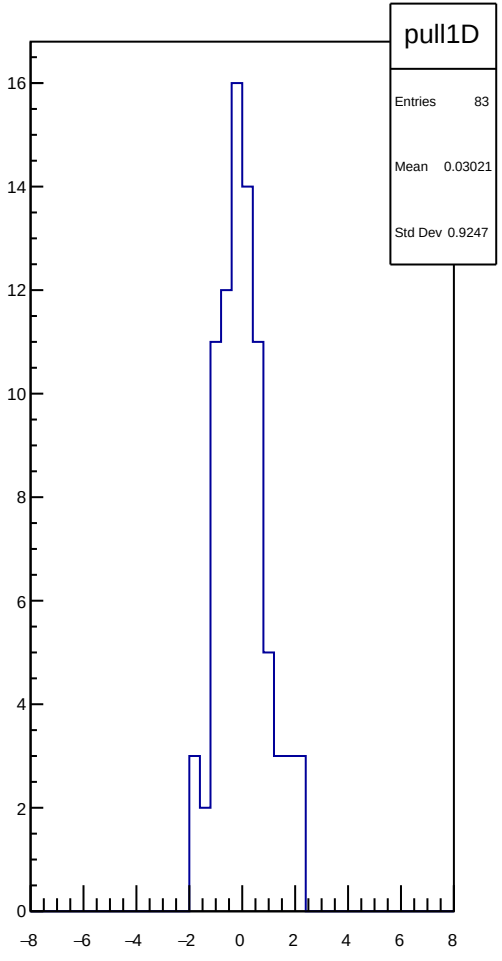

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 8897 / 82
p0 151.9 ± 0.1212
180
170
160
150
140
130

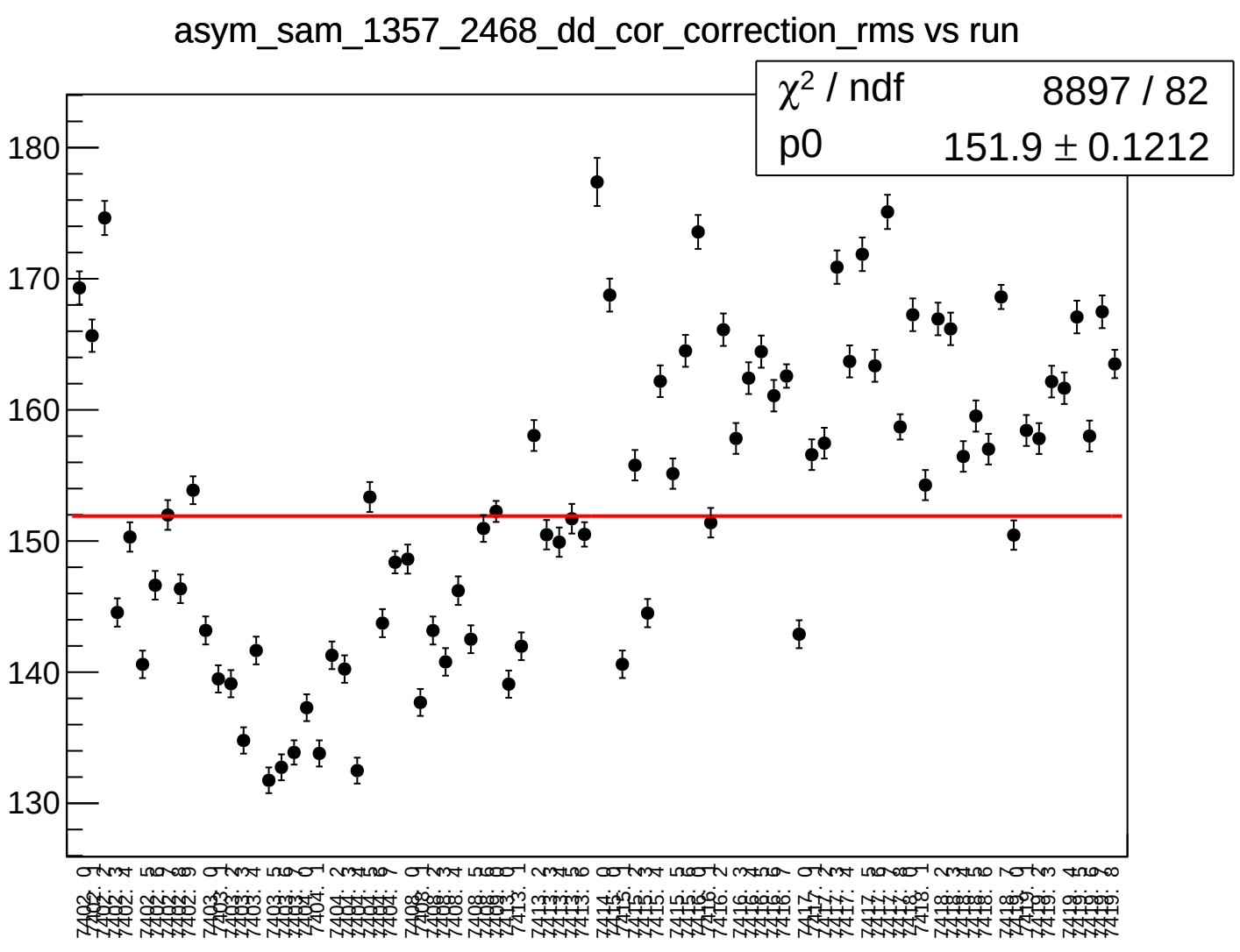

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 82.07 / 82
p0 −26.51 ± 27.66
1000
500
0
−500
−1000
pull
Entries 83
Mean 217.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

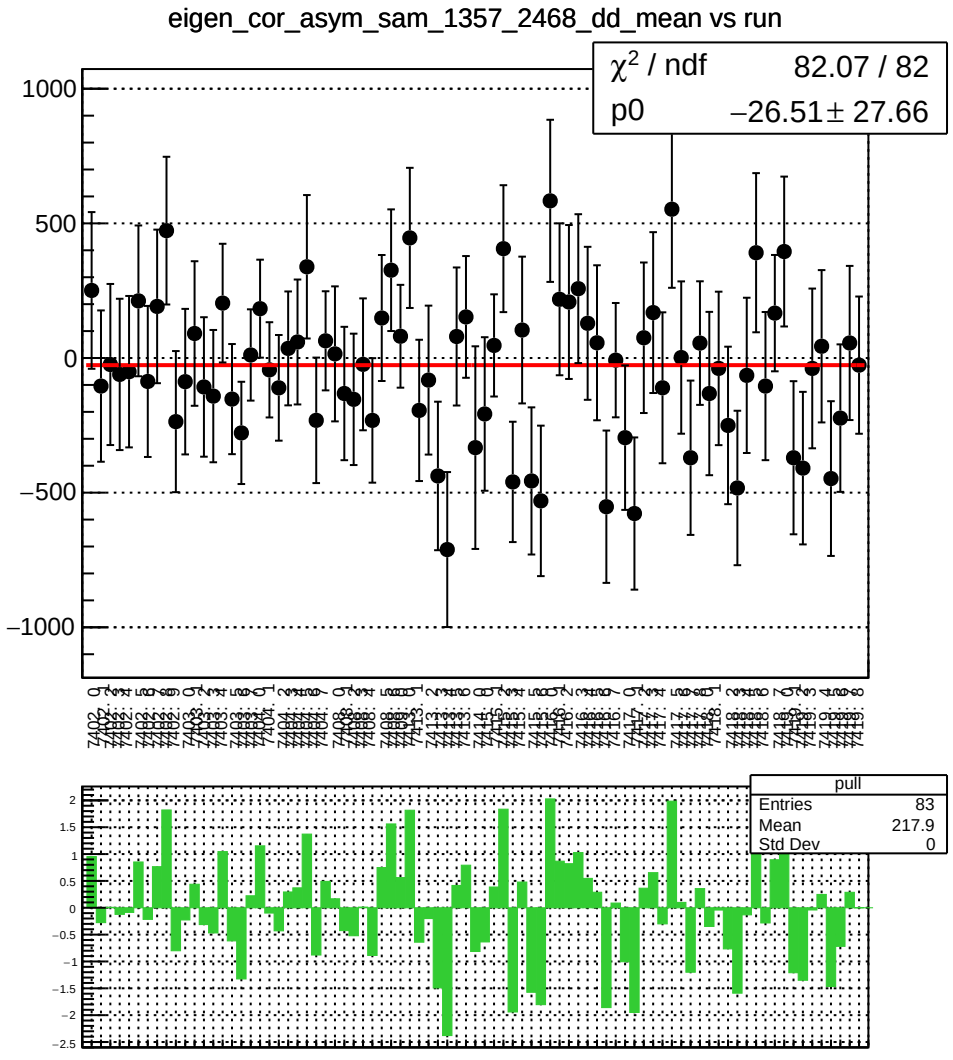

pull1D
Entries 83
Mean −0.0167
Std Dev 0.9943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

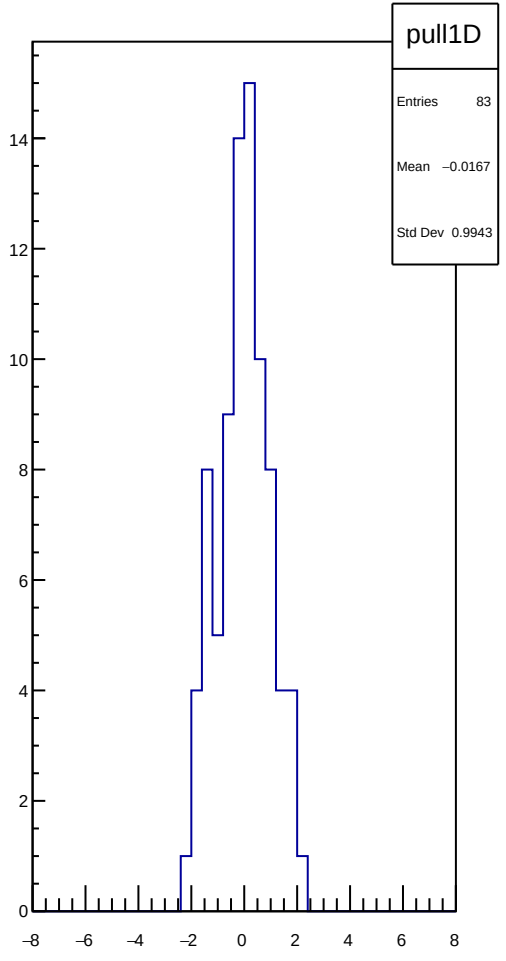

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.053e+04 / 82
p0 24.33 ± 0.01956
30
28
26
24
22
20
18
16

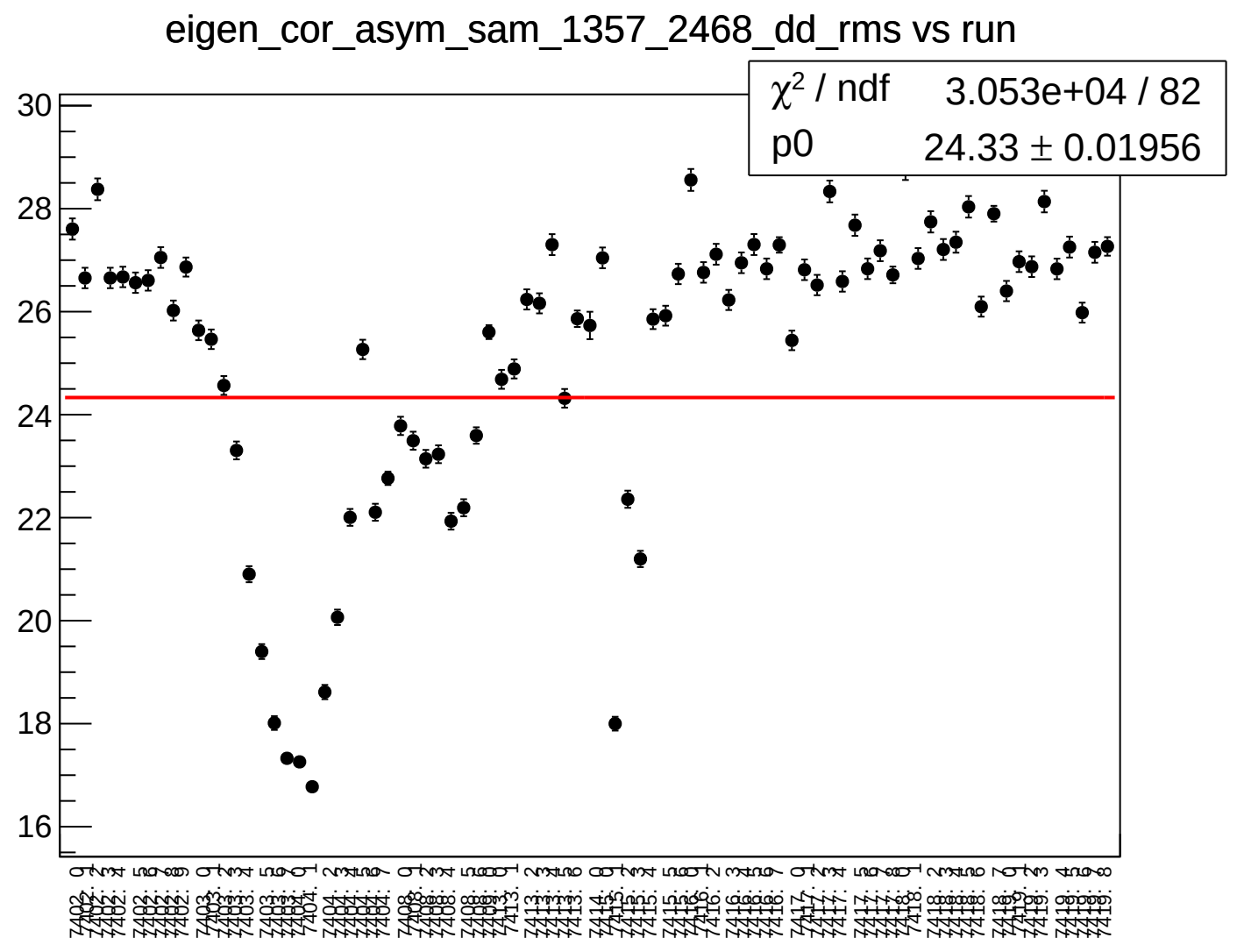

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 71.04 / 82
p0 37.32 ± 171.5
pull
Entries 83
Mean 88.27
Std Dev 16.1

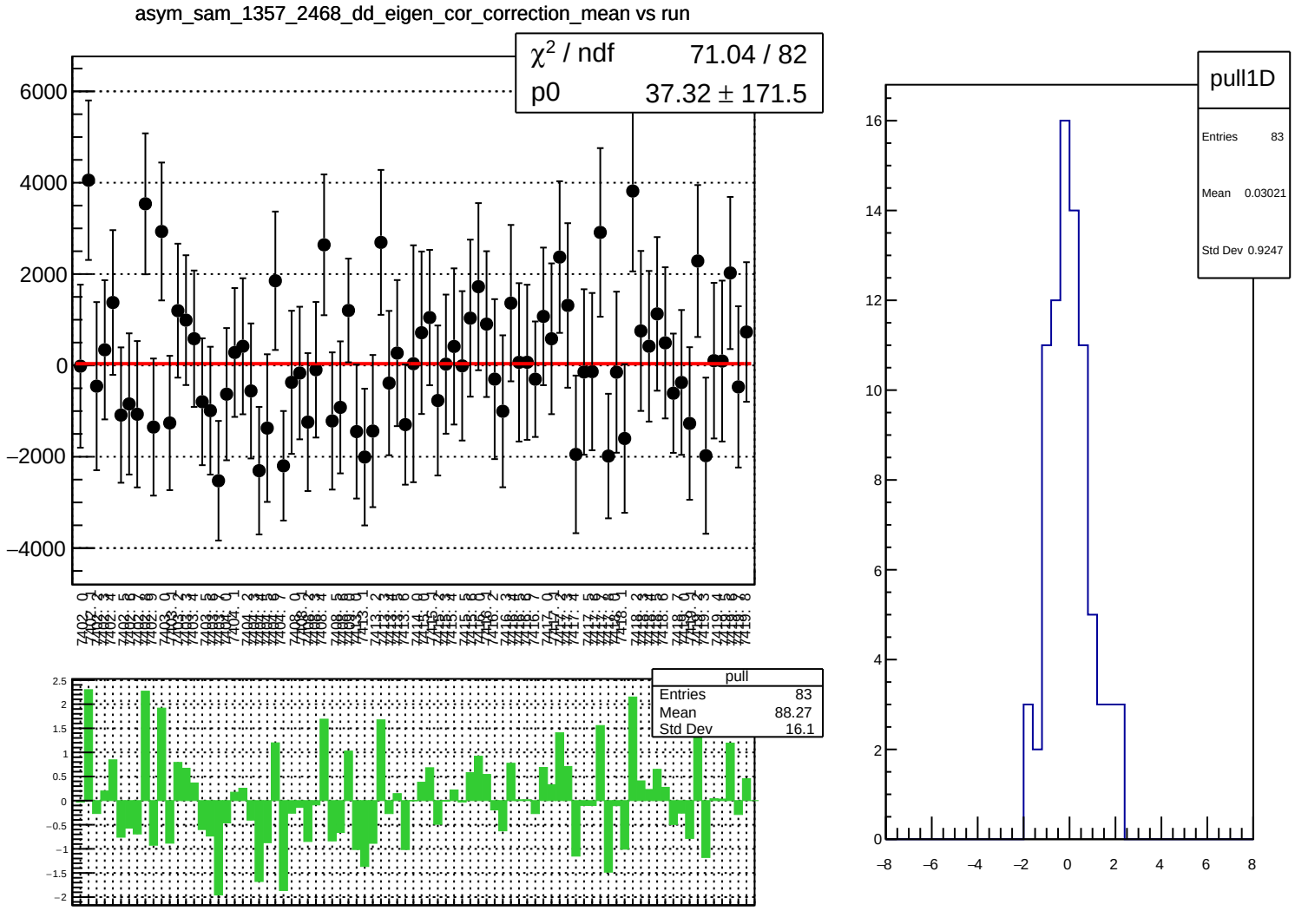

pull1D
Entries 83
Mean 0.03021
Std Dev 0.9247

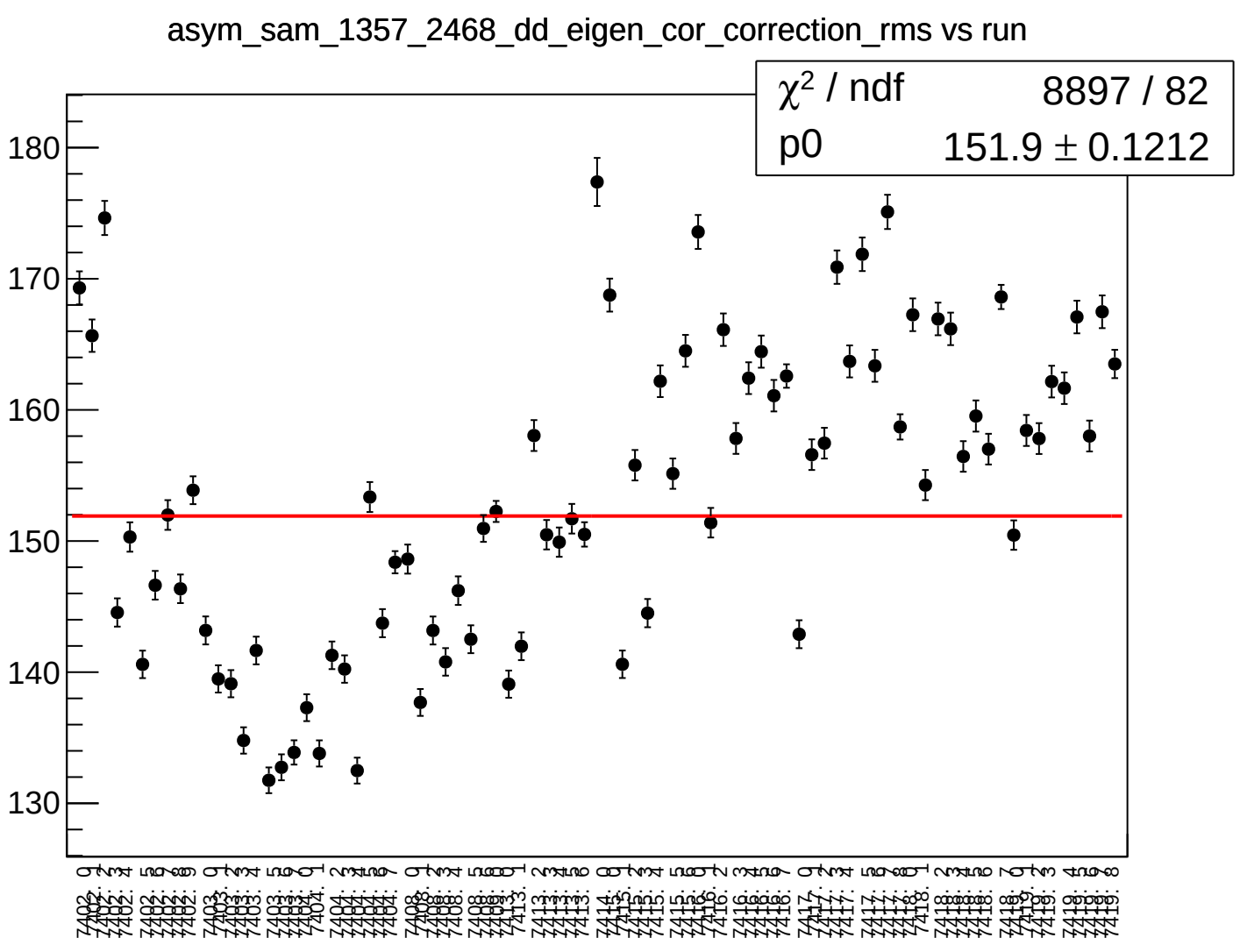

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 8897 / 82
p0 151.9 ± 0.1212
180
170
160
150
140
130

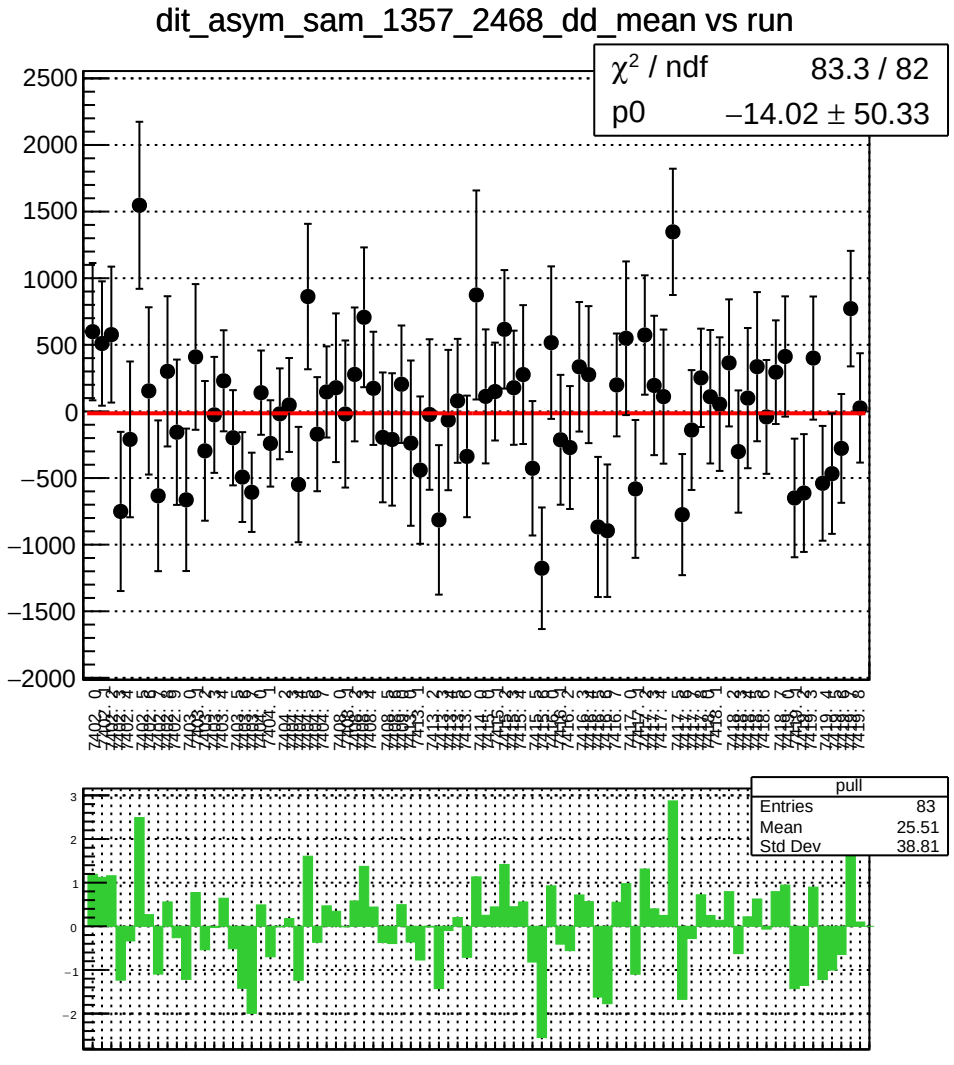

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 82.07 / 82
p0 −26.51 ± 27.66
1000
500
0
−500
−1000
pull
Entries 83
Mean 217.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

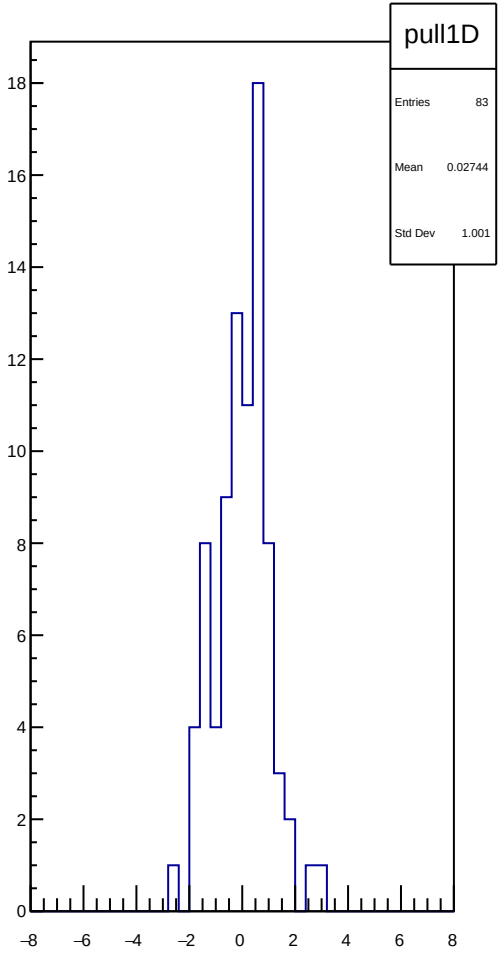

pull1D
Entries 83
Mean −0.0167
Std Dev 0.9943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

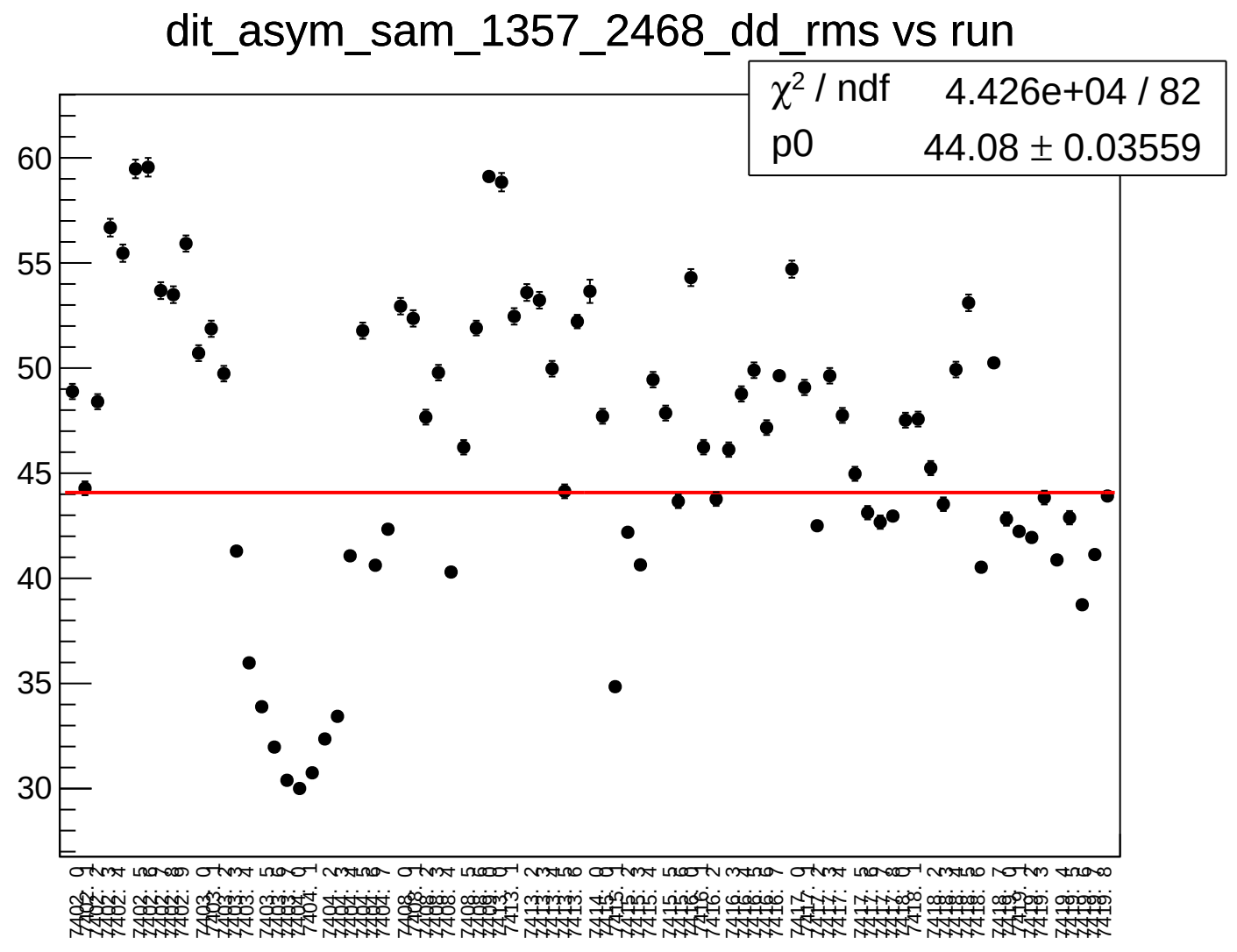

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.053e+04 / 82
p0 24.33 ± 0.01956
30
28
26
24
22
20
18
16

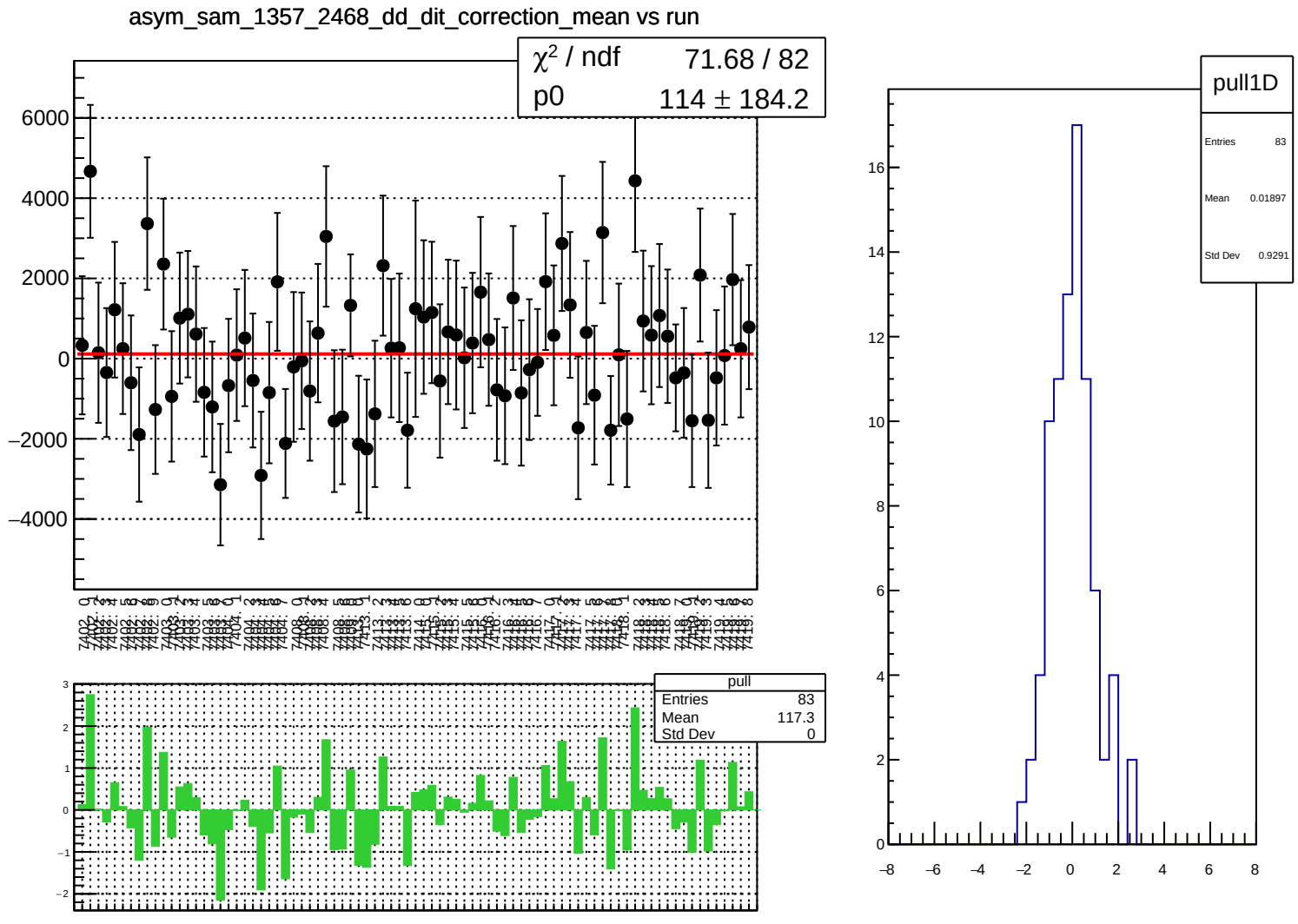

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 71.04 / 82
p0 37.32 ± 171.5
pull
Entries 83
Mean 88.27
Std Dev 16.1
pull1D
Entries 83
Mean 0.03021
Std Dev 0.9247

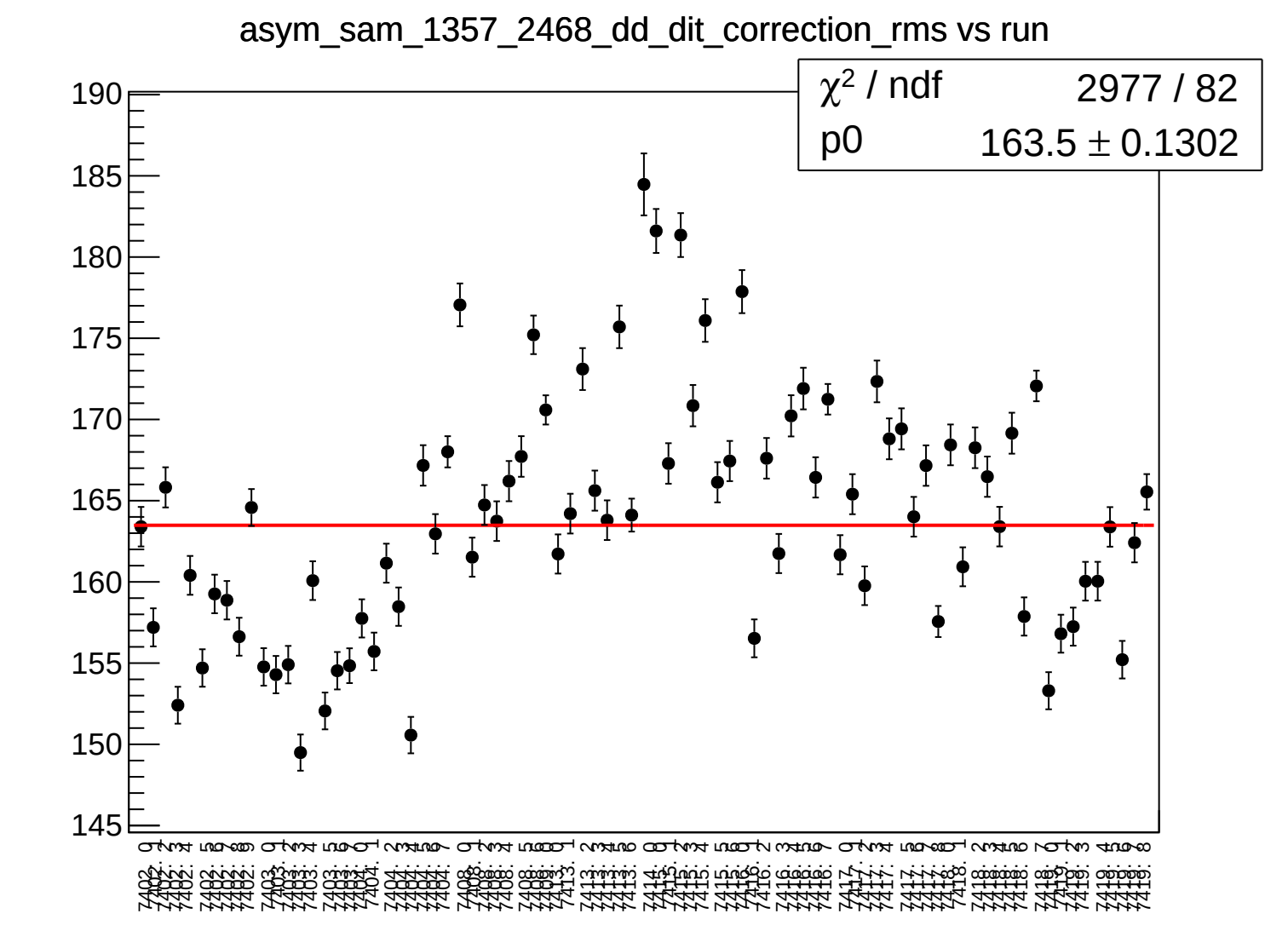

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 8897 / 82
p0 151.9 ± 0.1212
180
170
160
150
140
130

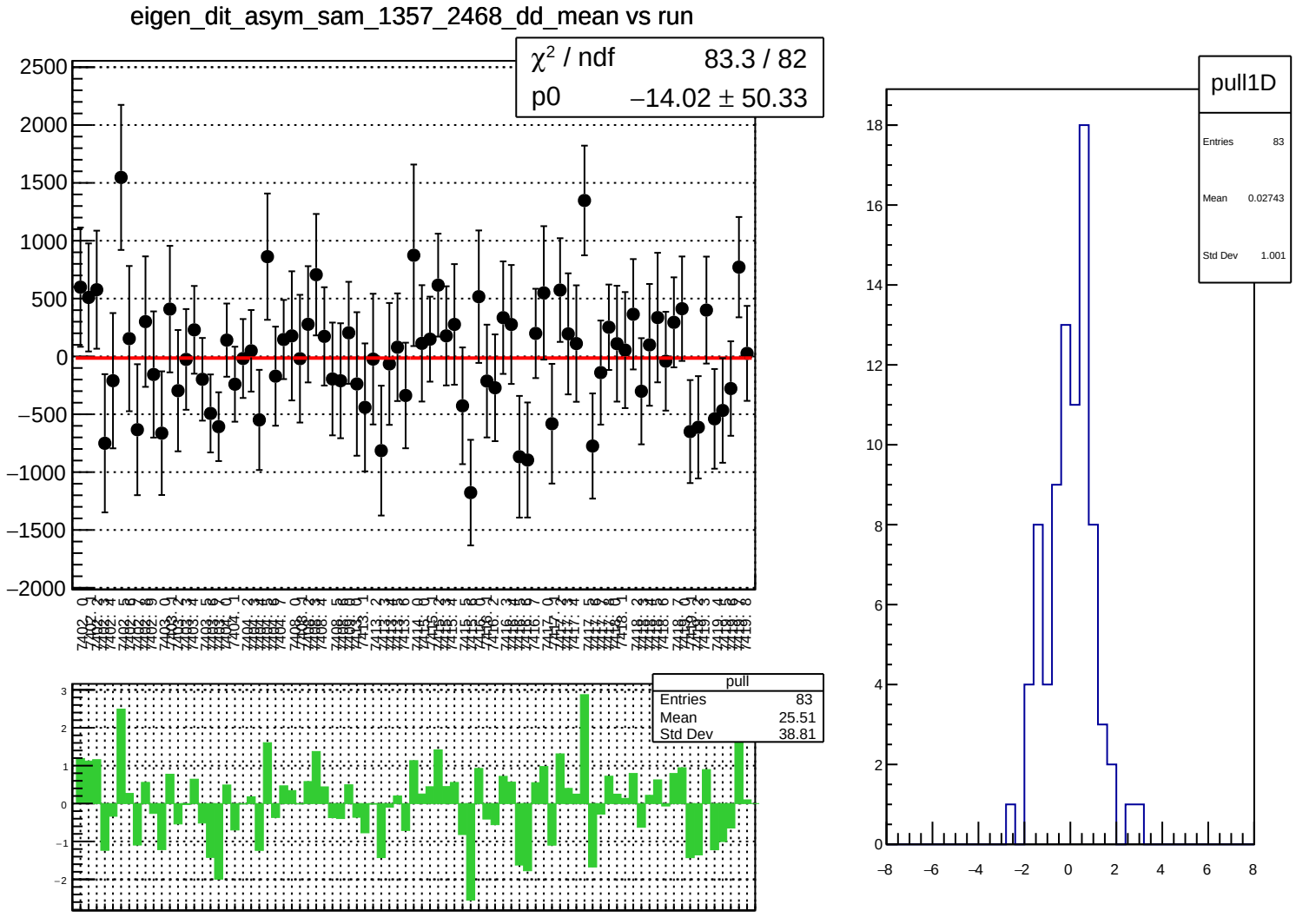

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.3 / 82
p0 −14.02 ± 50.33
pull
Entries 83
Mean 25.51
Std Dev 38.81

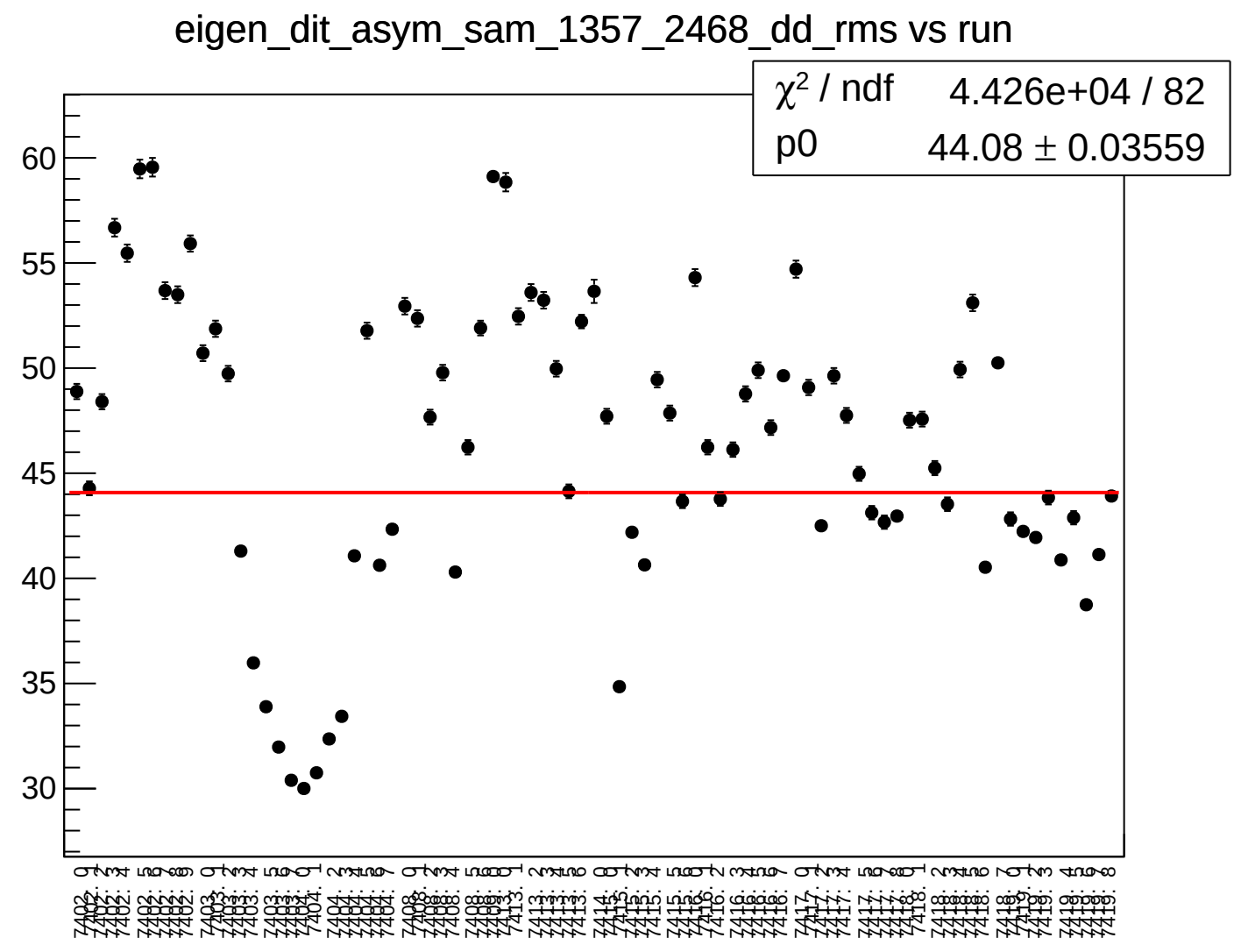

pull1D
Entries 83
Mean 0.02744
Std Dev 1.001

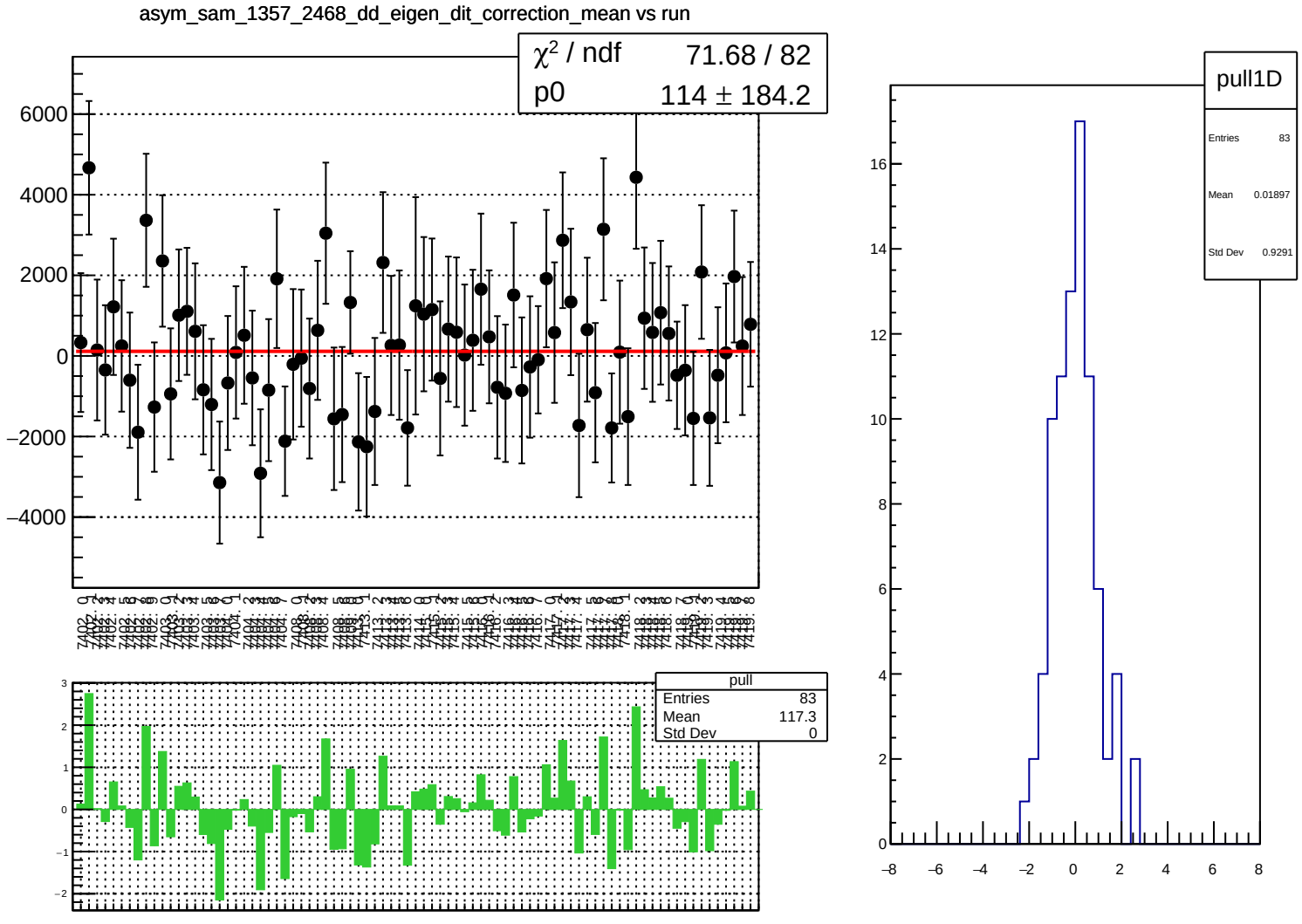

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4.426e+04 / 82
p0 44.08 ± 0.03559
60
55
50
45
40
35
30

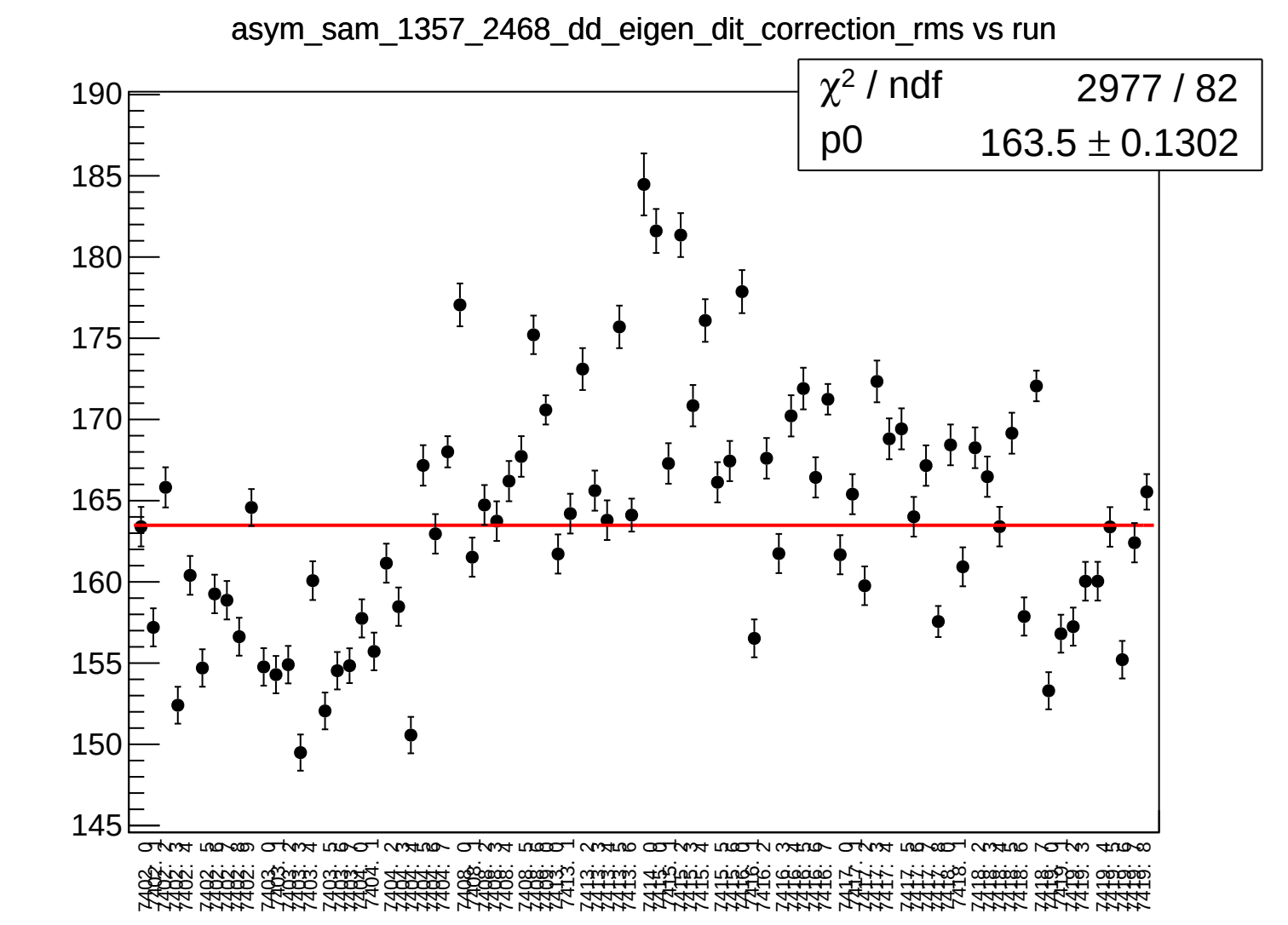

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 71.68 / 82
p0 114 ± 184.2
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 117.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.01897
Std Dev 0.9291
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

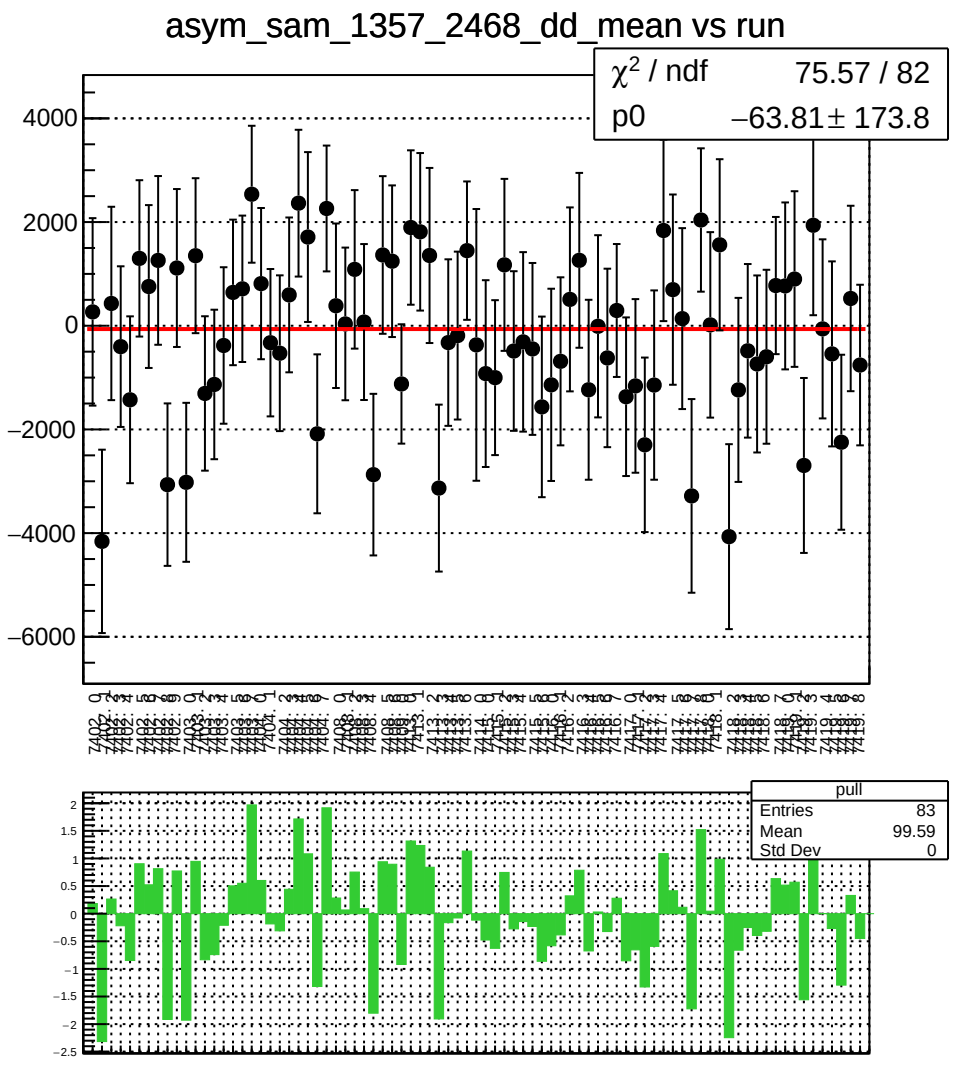

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 2977 / 82
p0 163.5 ± 0.1302
190
185
180
175
170
165
160
155
150
145

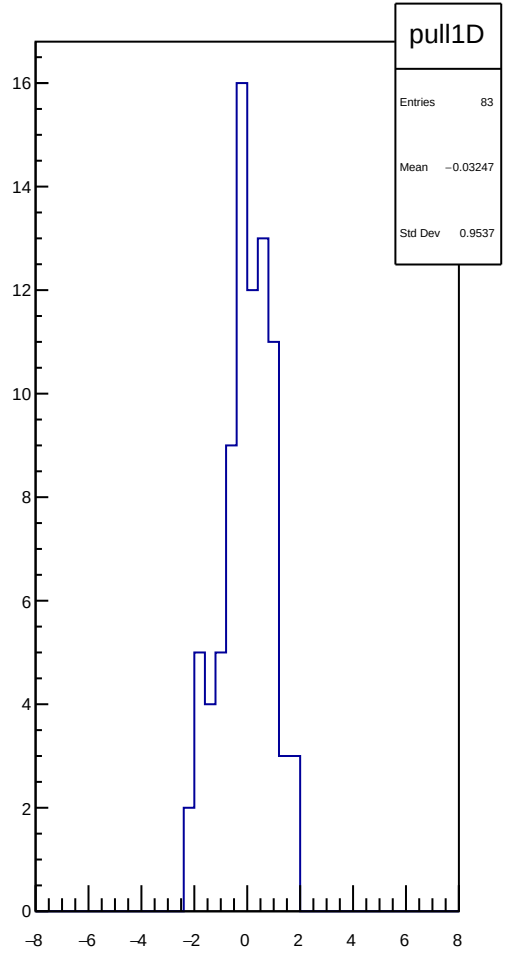

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.3 / 82
p0 −14.02 ± 50.33
pull
Entries 83
Mean 25.51
Std Dev 38.81
pull1D
Entries 83
Mean 0.02743
Std Dev 1.001

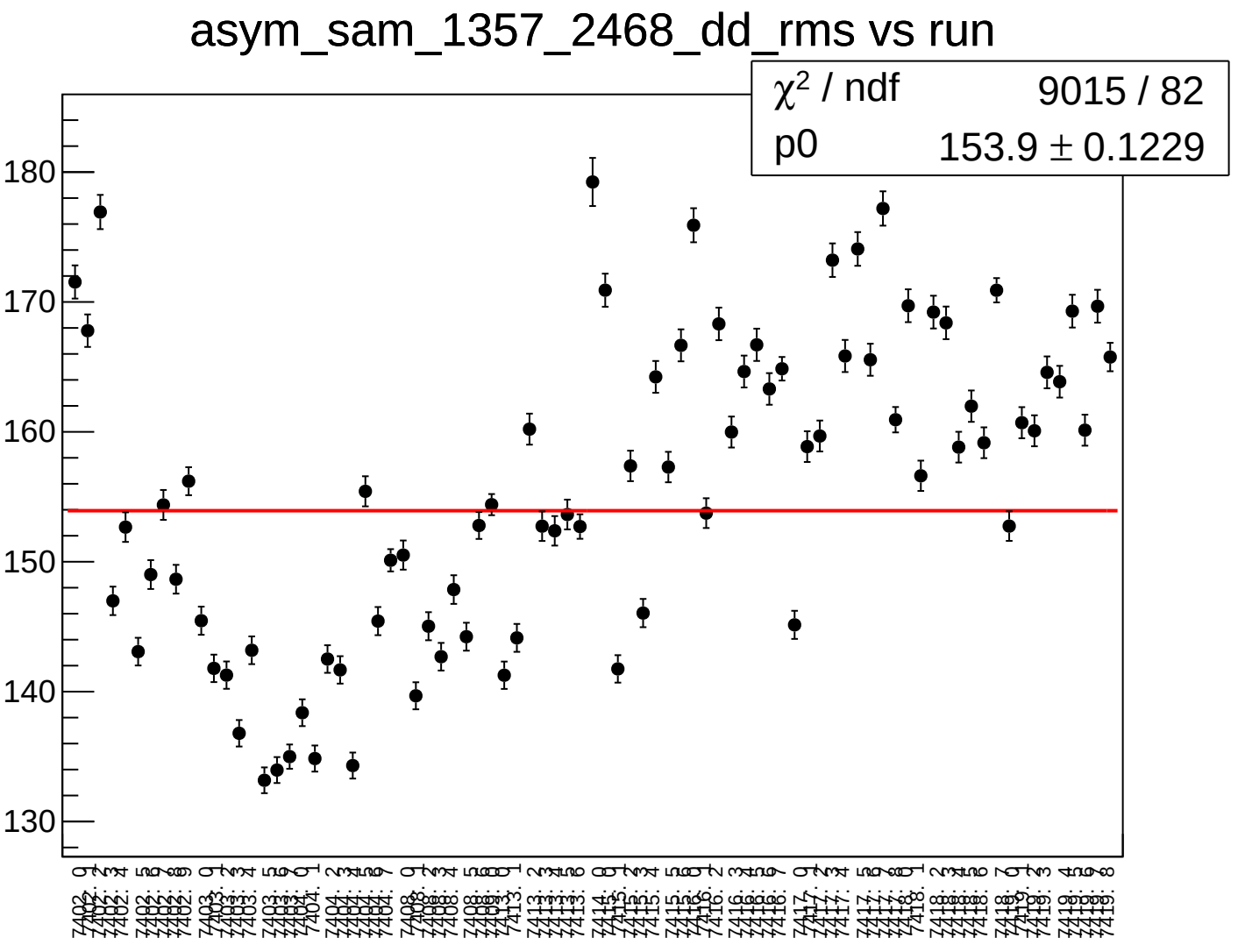

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4.426e+04 / 82
p0 44.08 ± 0.03559
60
55
50
45
40
35
30

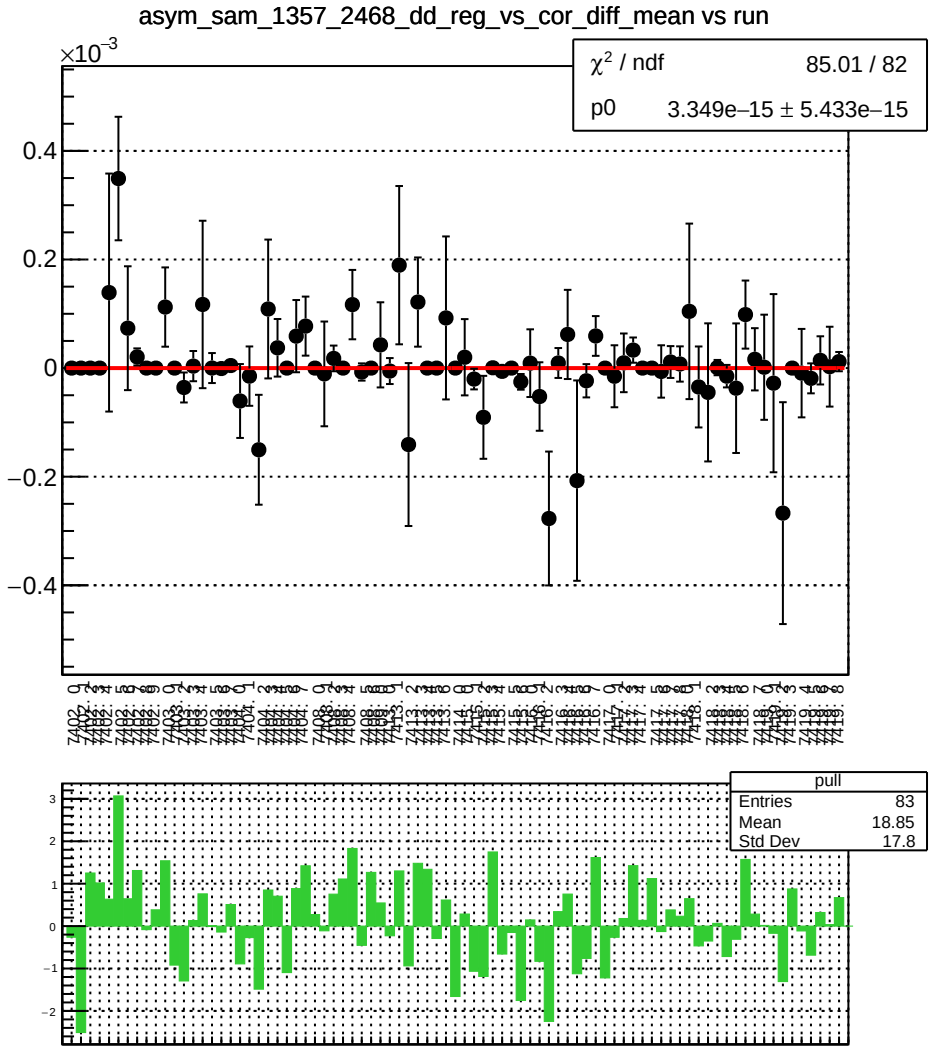

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 71.68 / 82
p0 114 ± 184.2
6000
4000
2000
0
−2000
−4000
pull
Entries 83
Mean 117.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.01897
Std Dev 0.9291
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

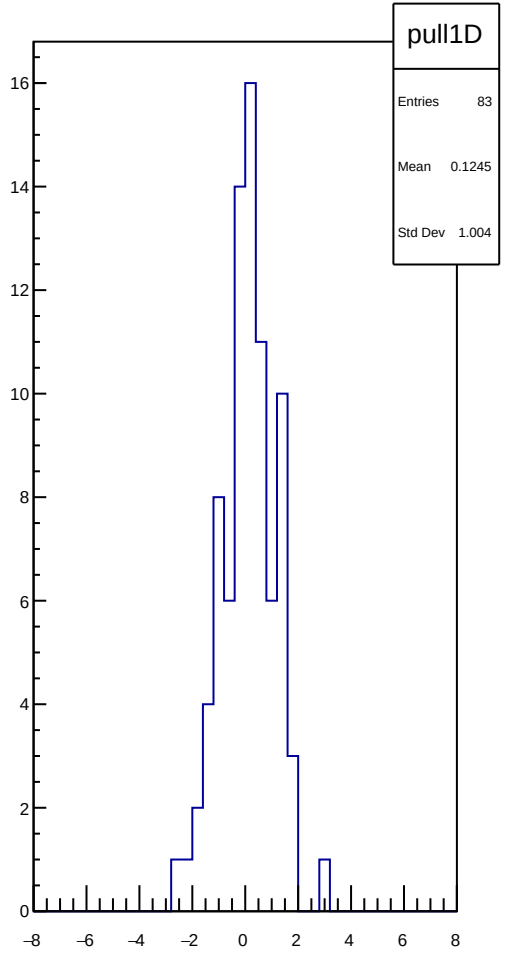

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 2977 / 82
p0 163.5 ± 0.1302
190
185
180
175
170
165
160
155
150
145

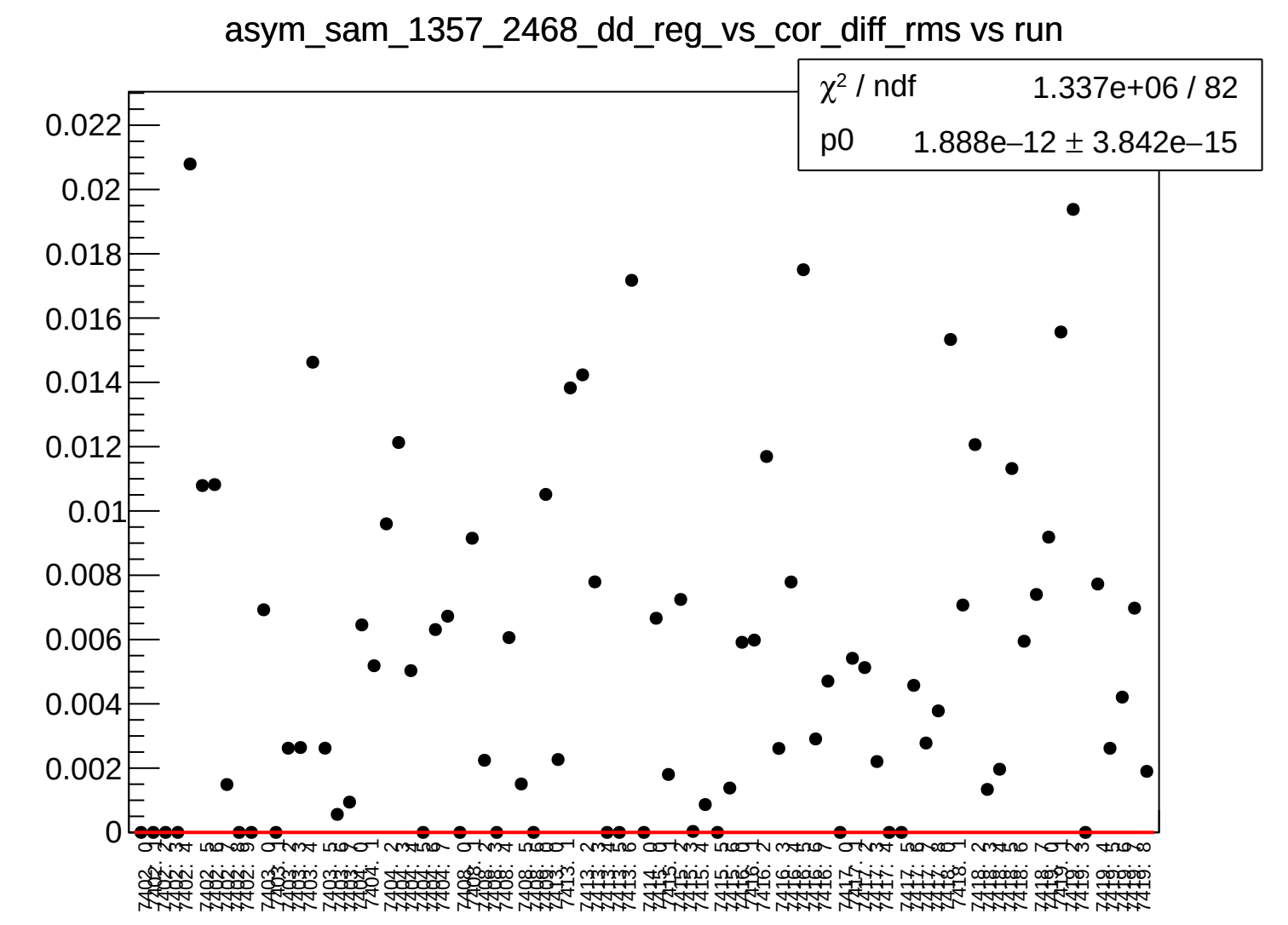

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 75.57 / 82
p0 −63.81 ± 173.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 83
Mean 99.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

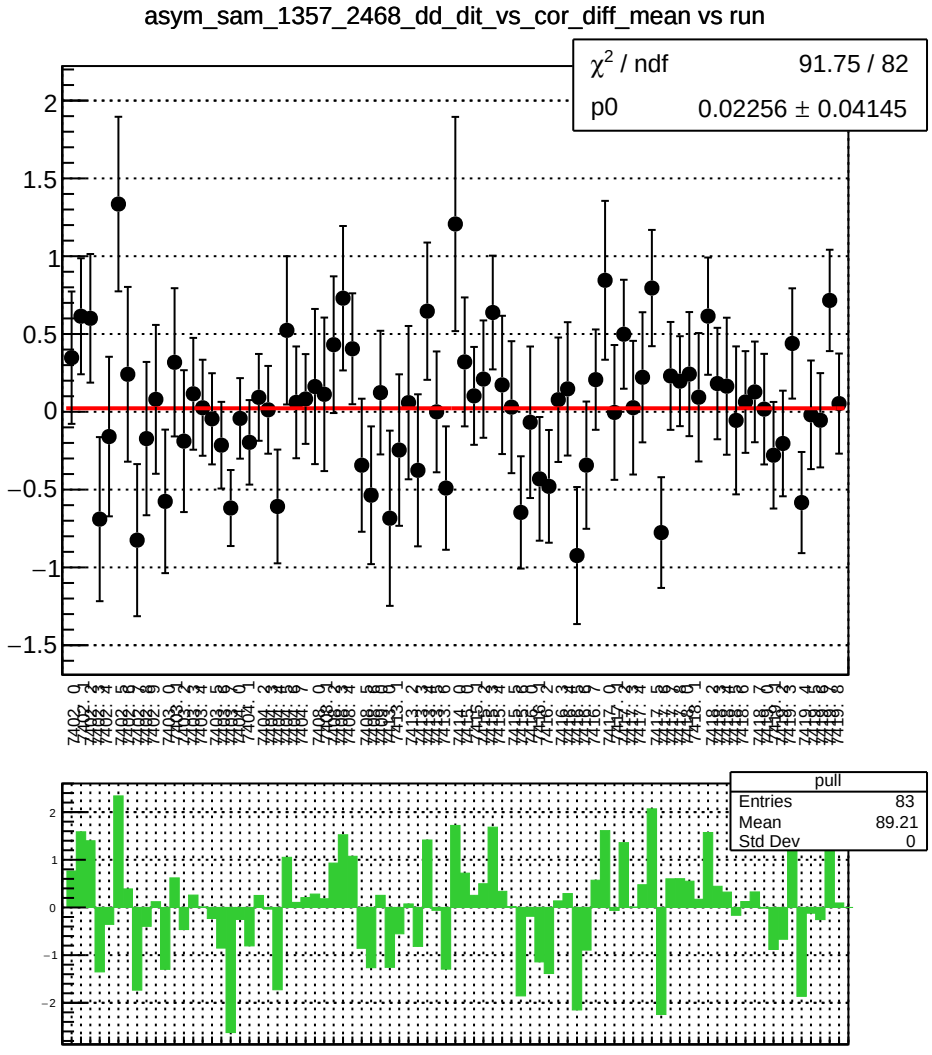

pull1D
Entries 83
Mean −0.03247
Std Dev 0.9537
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

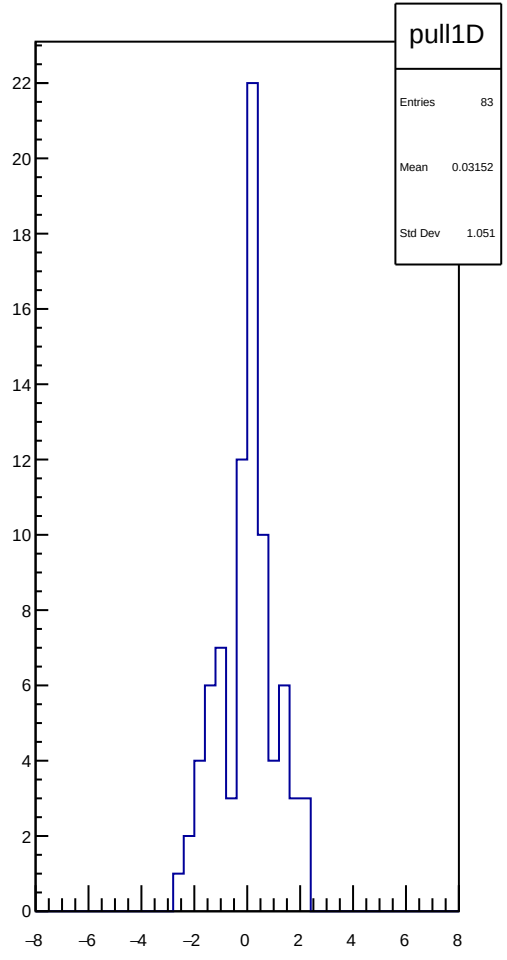

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 9015 / 82
p0 153.9 ± 0.1229
180
170
160
150
140
130

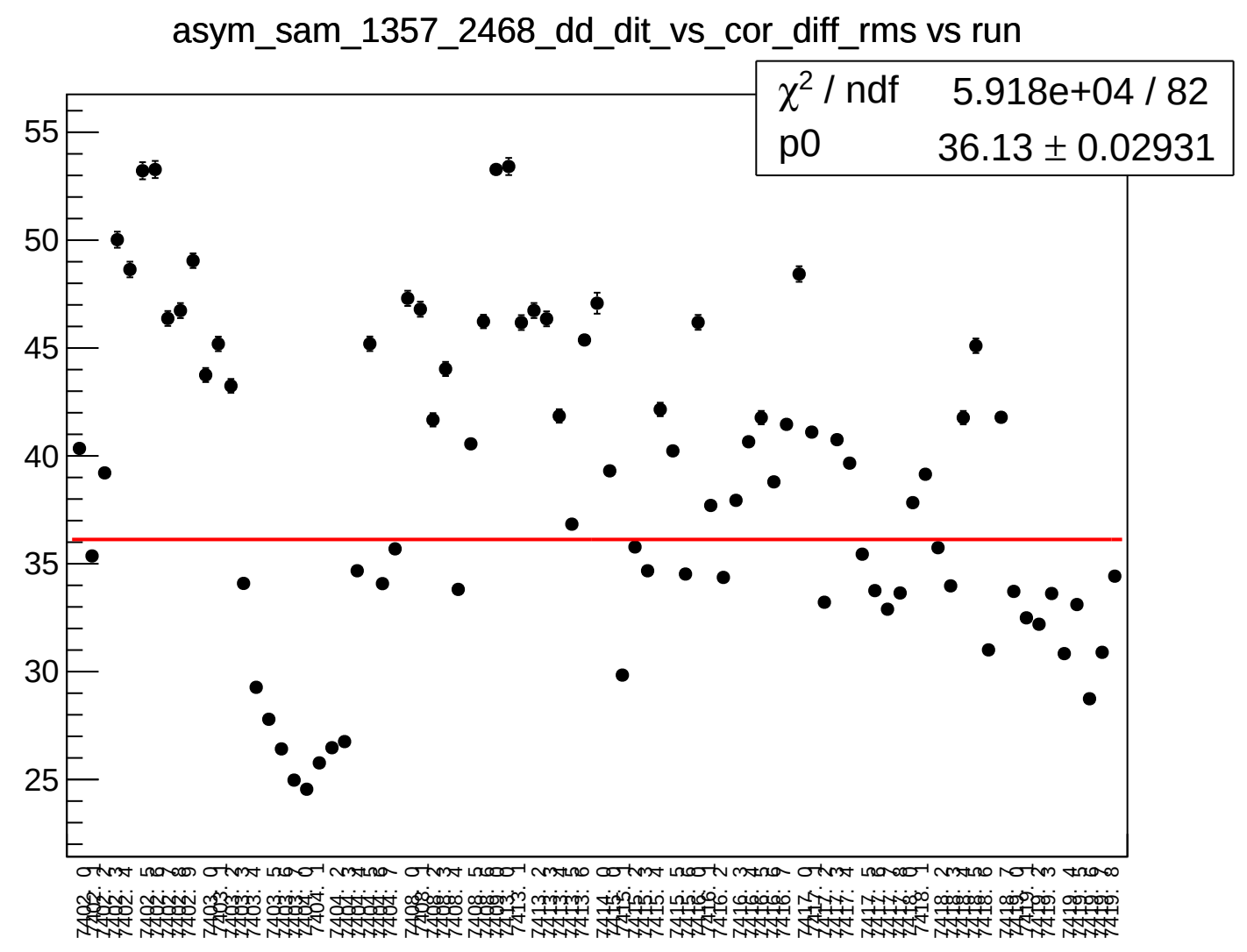

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 85.01 / 82
p0 3.349e−15 ± 5.433e−15
0.4
0.2
0
−0.2
−0.4
pull
Entries 83
Mean 18.85
Std Dev 17.8
3
2
1
0
−1
−2

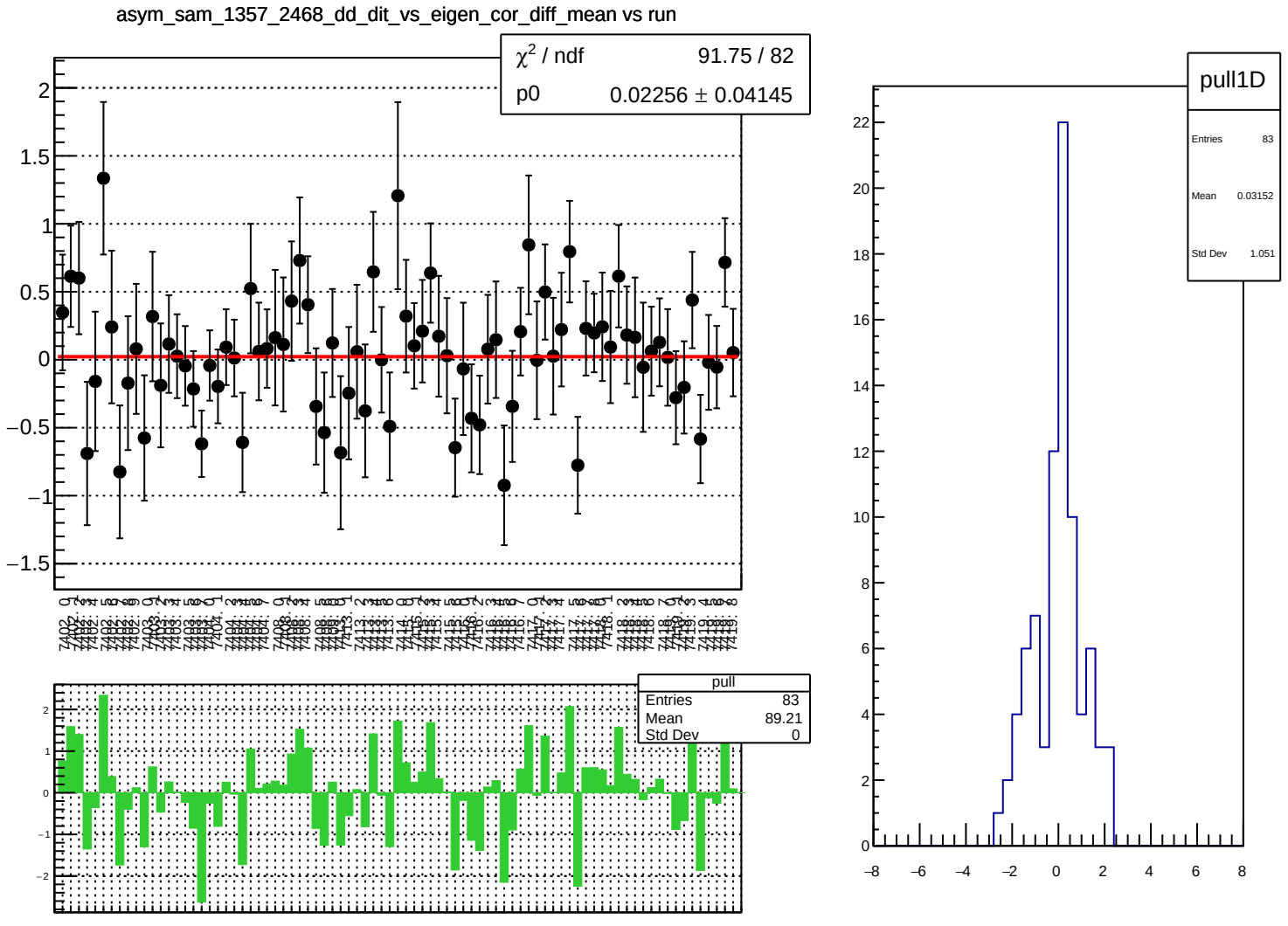

pull1D
Entries 83
Mean 0.1245
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

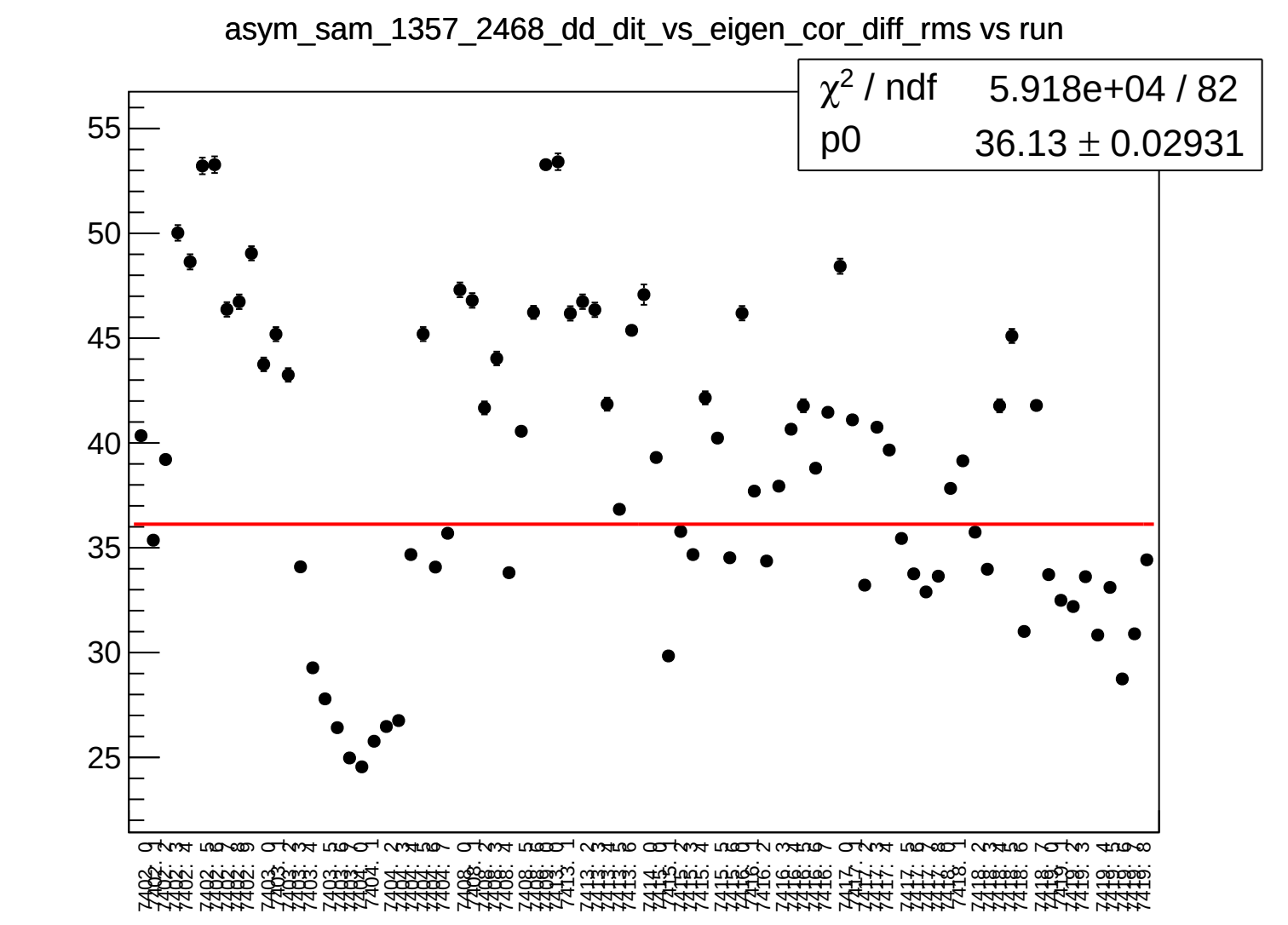

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.337e+06 / 82
p0 1.888e−12 ± 3.842e−15
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

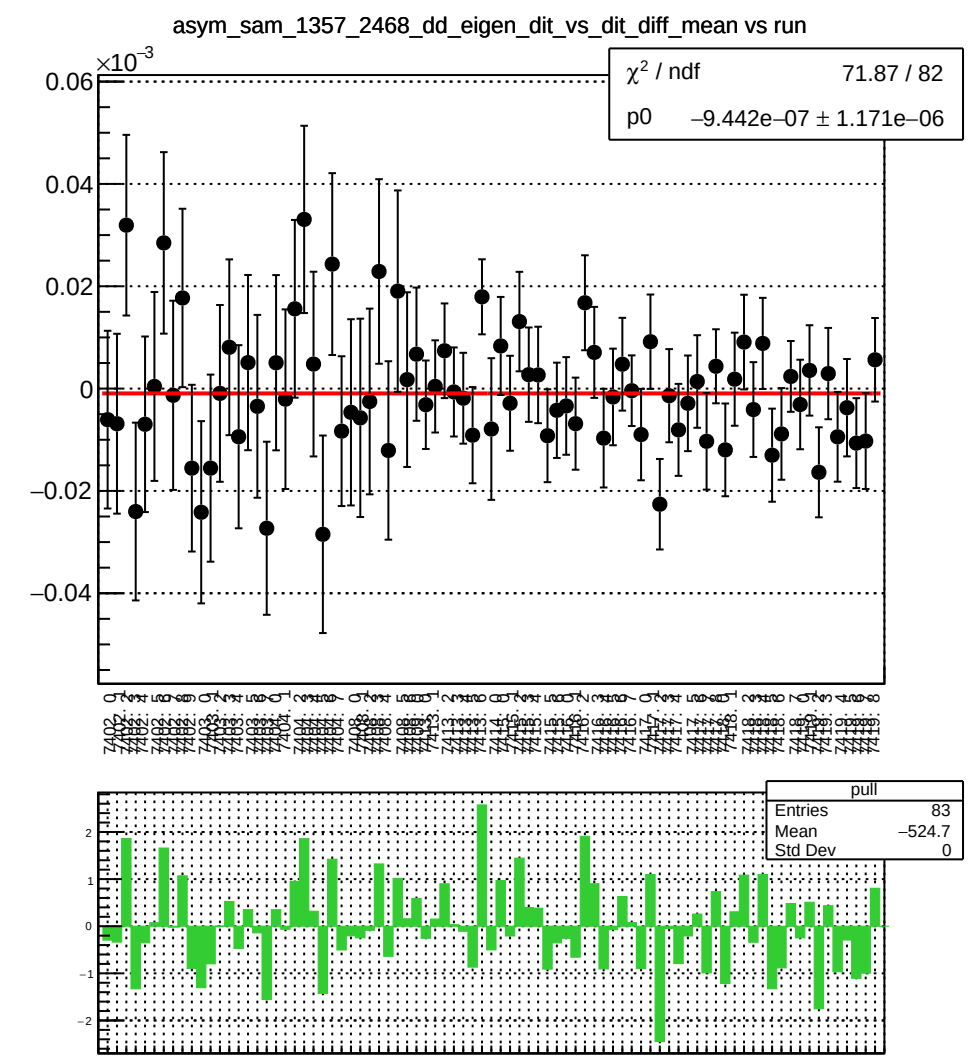

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 91.75 / 82
p0 0.02256 ± 0.04145
pull
Entries 83
Mean 89.21
Std Dev 0

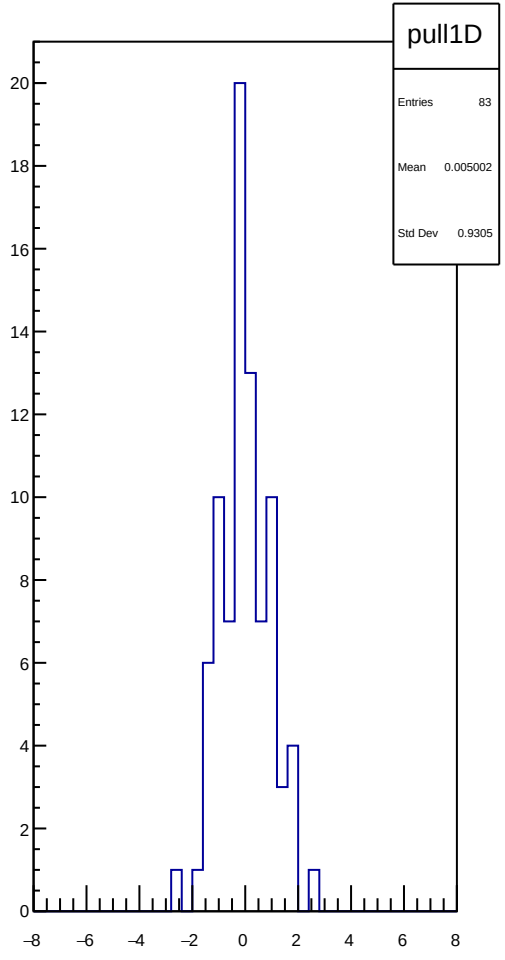

pull1D
Entries 83
Mean 0.03152
Std Dev 1.051

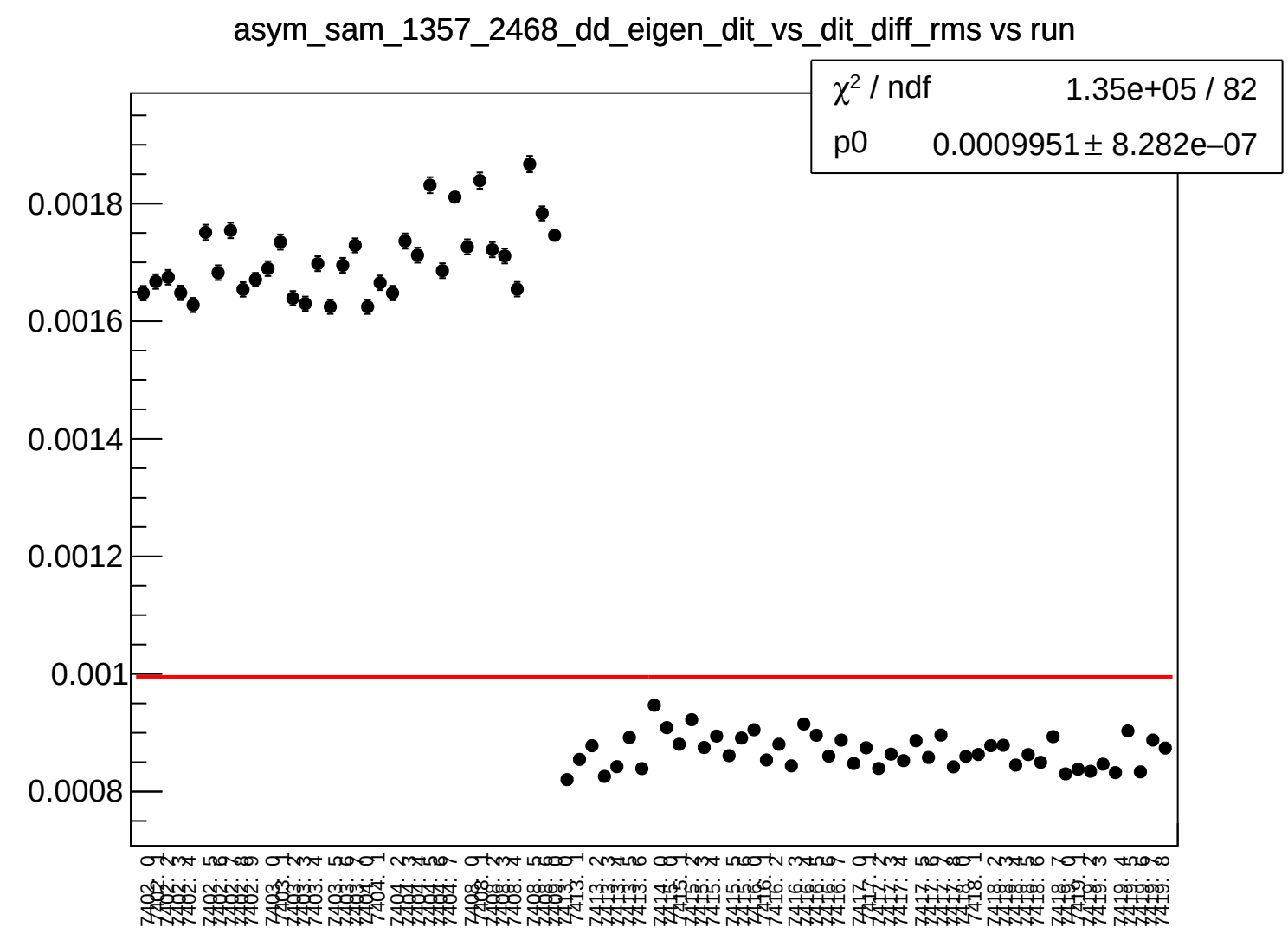

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.918e+04 / 82
p0 36.13 ± 0.02931
55
50
45
40
35
30
25

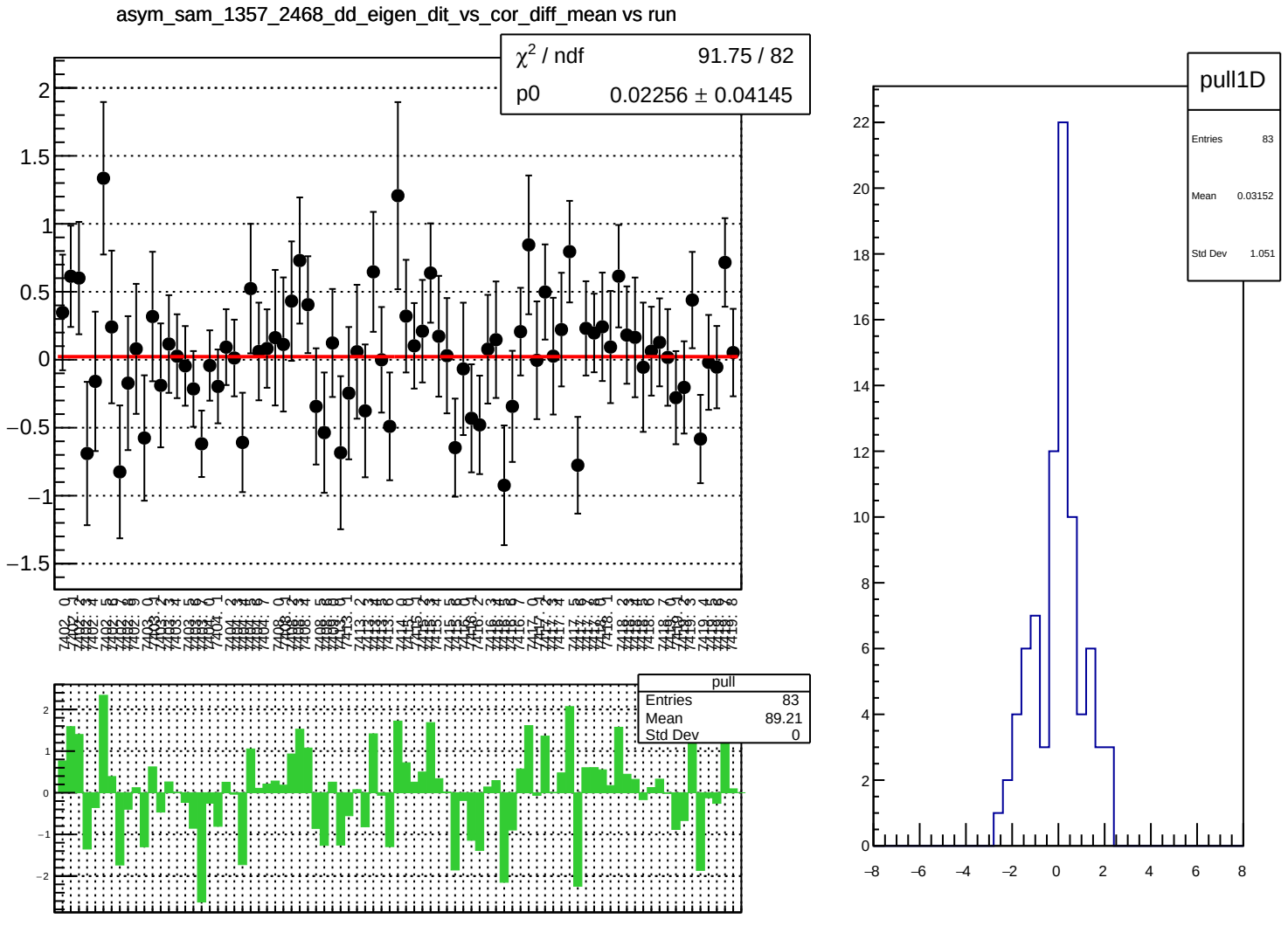

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.75 / 82
p0 0.02256 ± 0.04145
pull
Entries 83
Mean 89.21
Std Dev 0
pull1D
Entries 83
Mean 0.03152
Std Dev 1.051

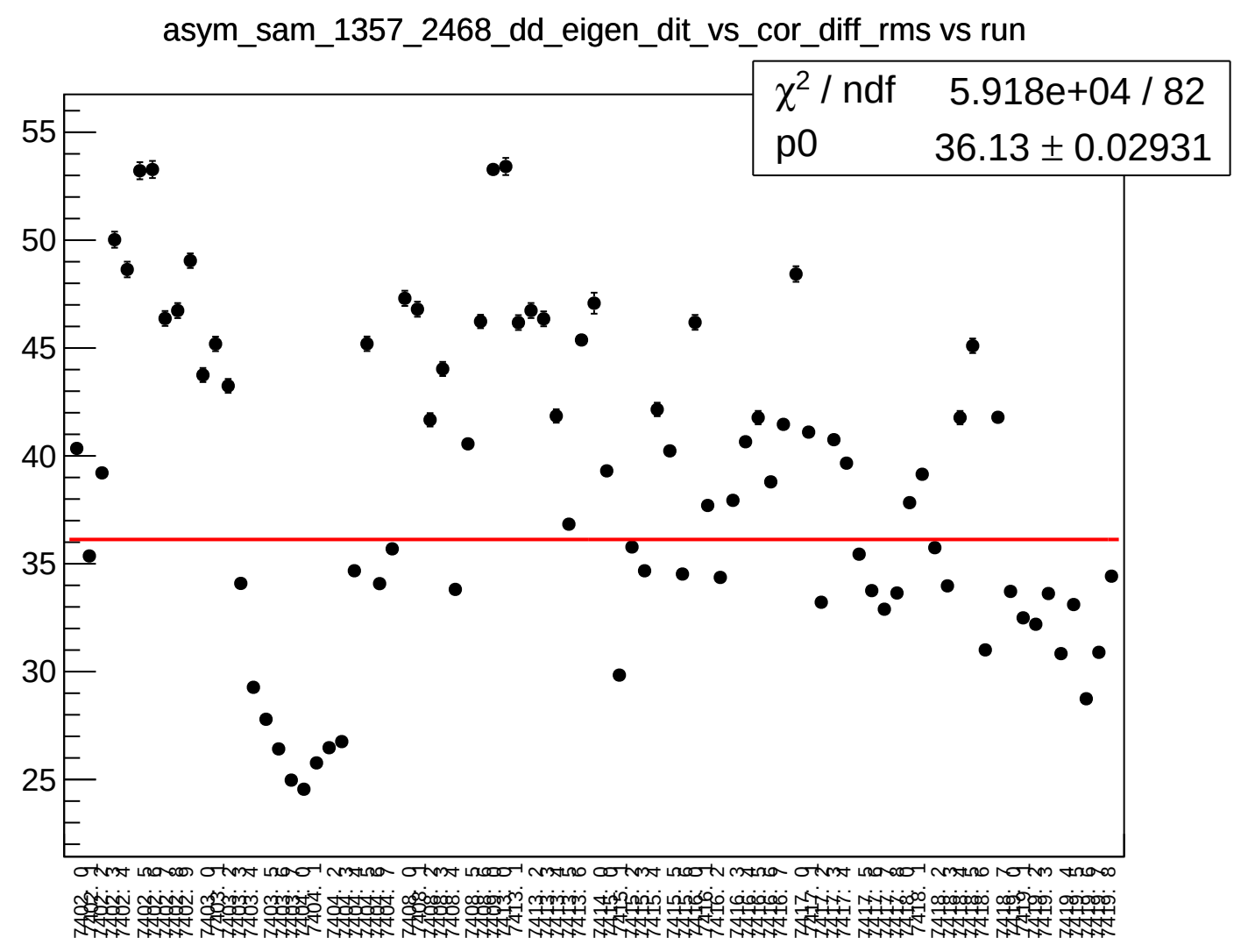

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.918e+04 / 82
p0 36.13 ± 0.02931
55
50
45
40
35
30
25

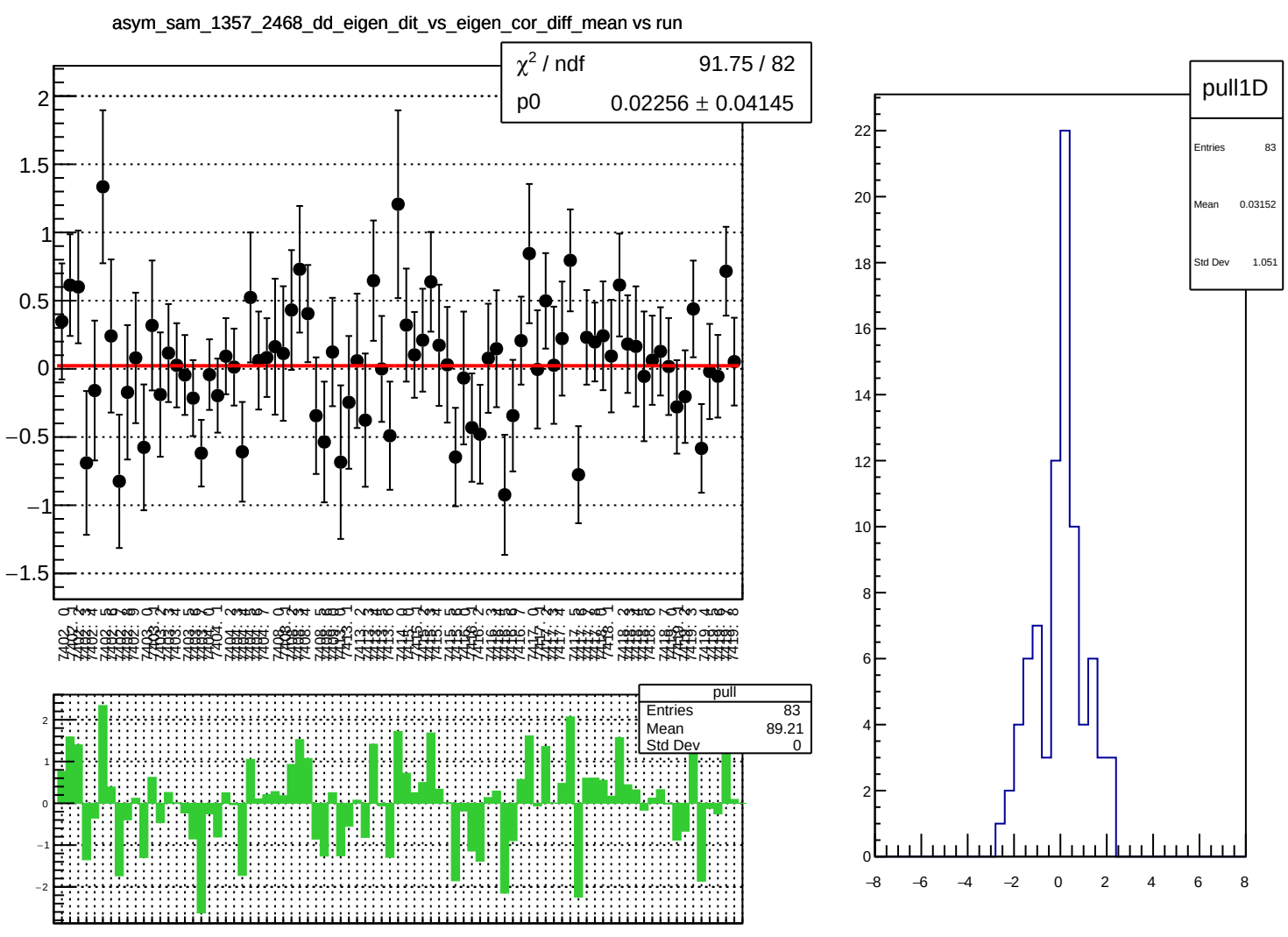

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.87 / 82
p0 −9.442e−07 ± 1.171e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean −524.7
Std Dev 0
2
1
0
−1
−2

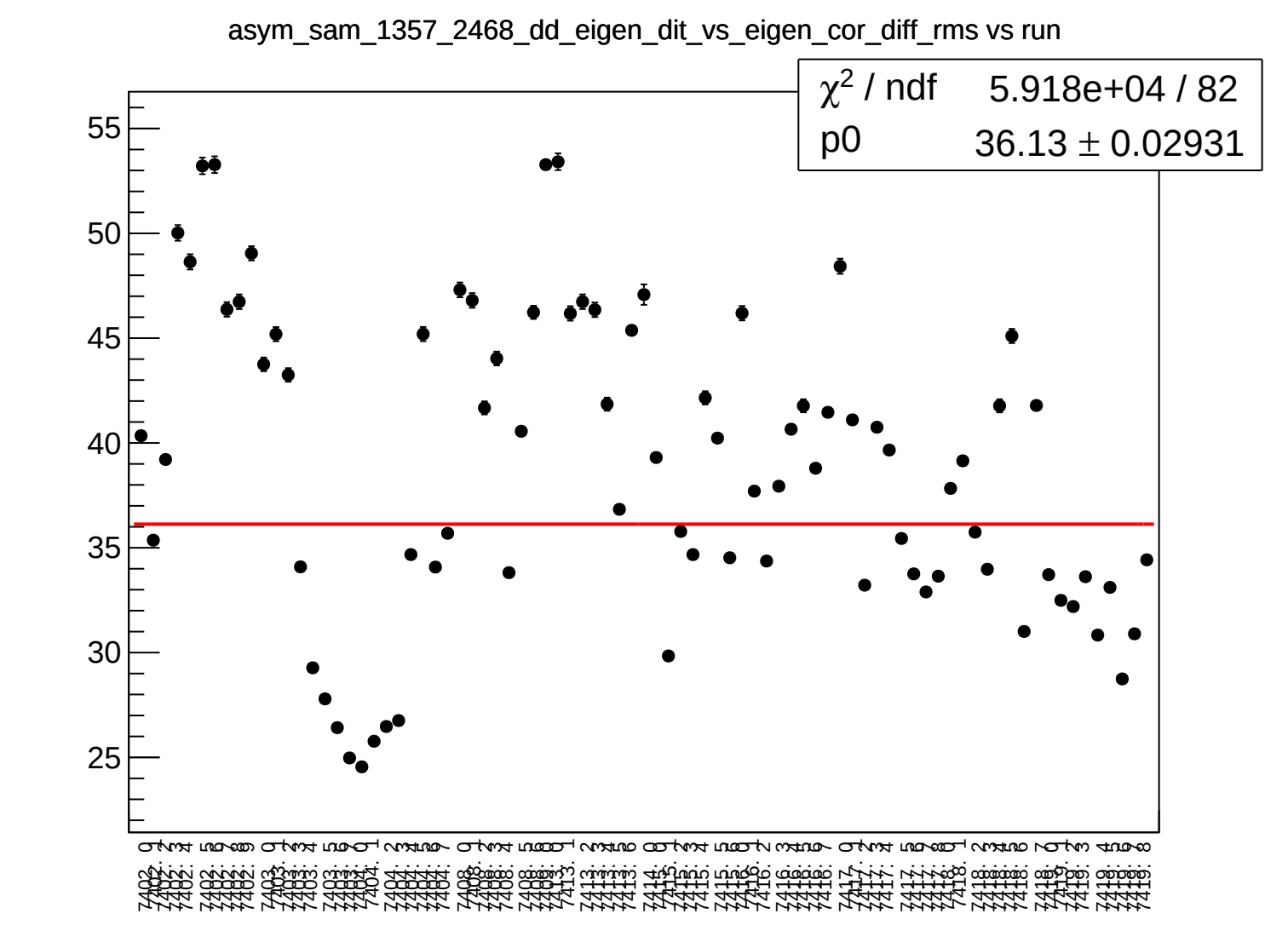

pull1D
Entries 83
Mean 0.005002
Std Dev 0.9305
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

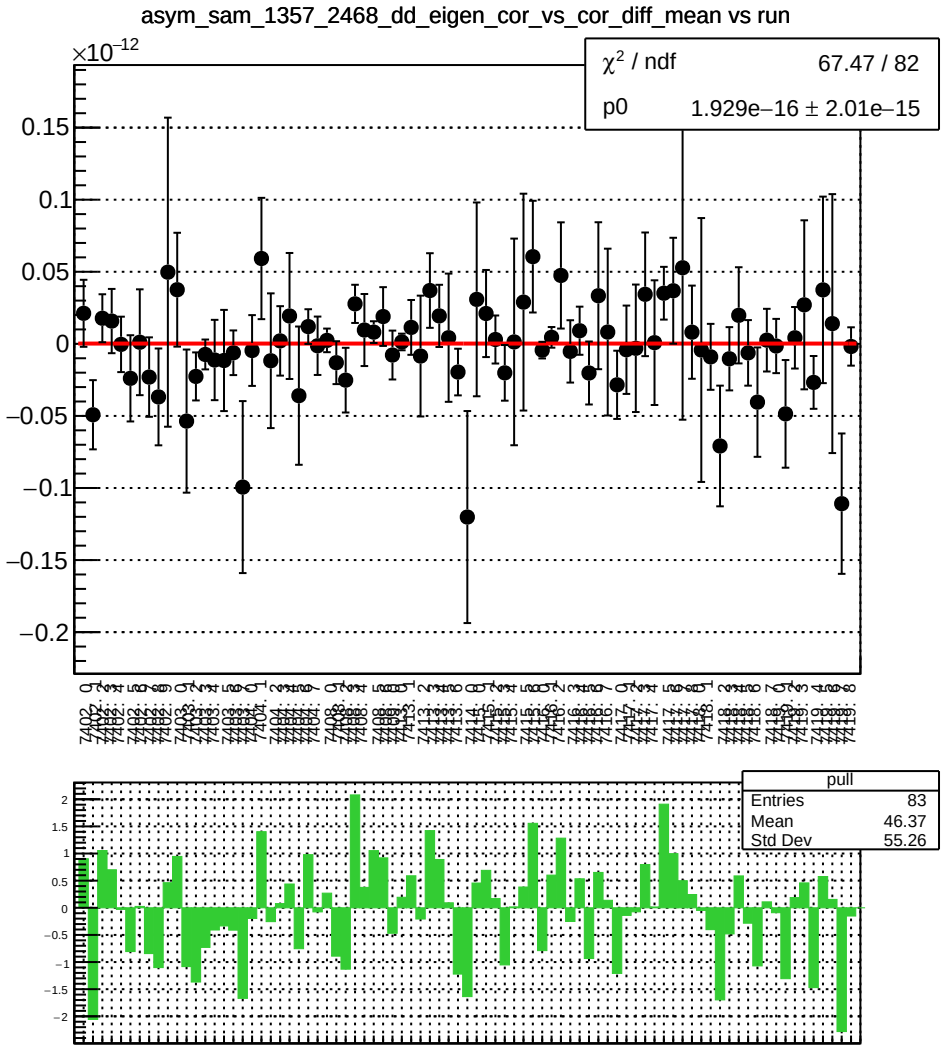

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.35e+05 / 82
p0 0.0009951 ± 8.282e−07
0.0018
0.0016
0.0014
0.0012
0.001
0.0008

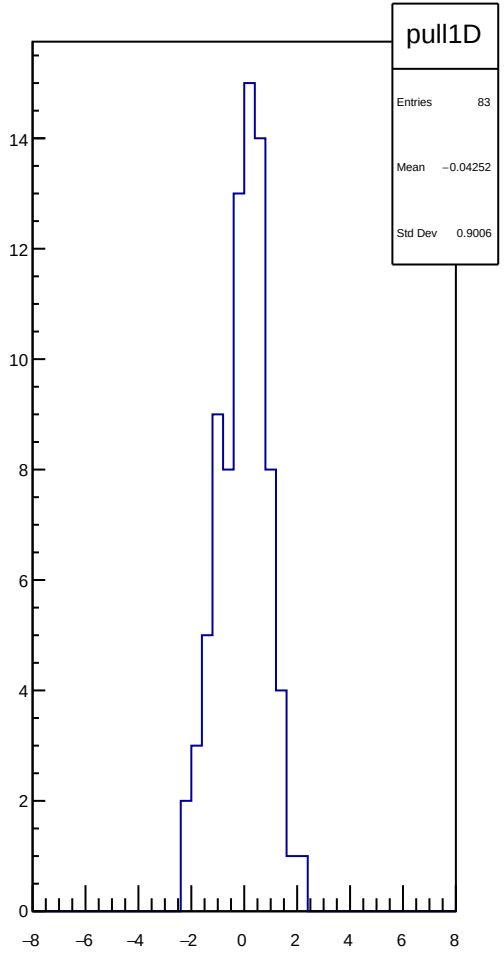

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.75 / 82
p0 0.02256 ± 0.04145
pull
Entries 83
Mean 89.21
Std Dev 0
pull1D
Entries 83
Mean 0.03152
Std Dev 1.051

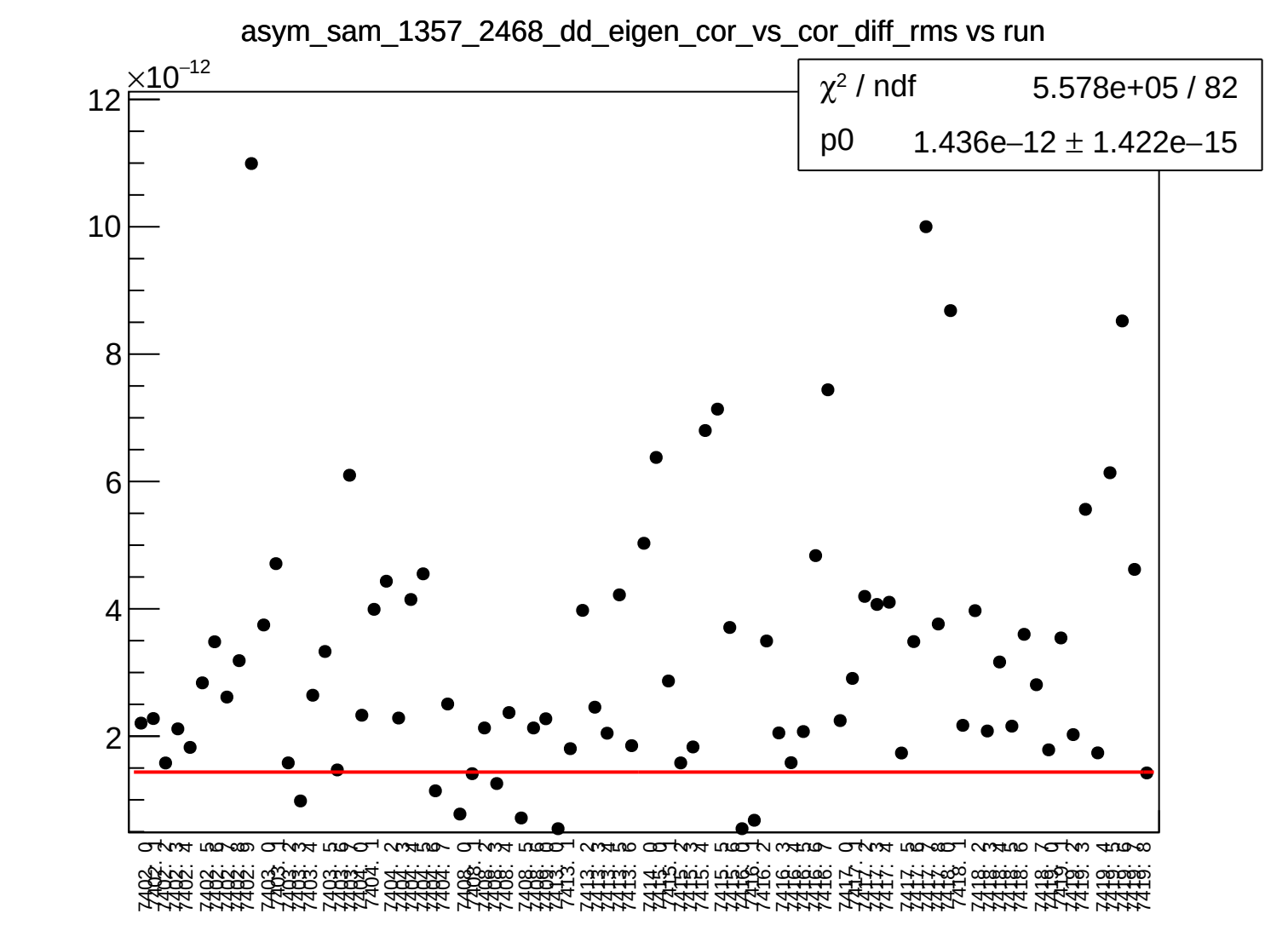

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 5.918e+04 / 82
p0 36.13 ± 0.02931
55
50
45
40
35
30
25

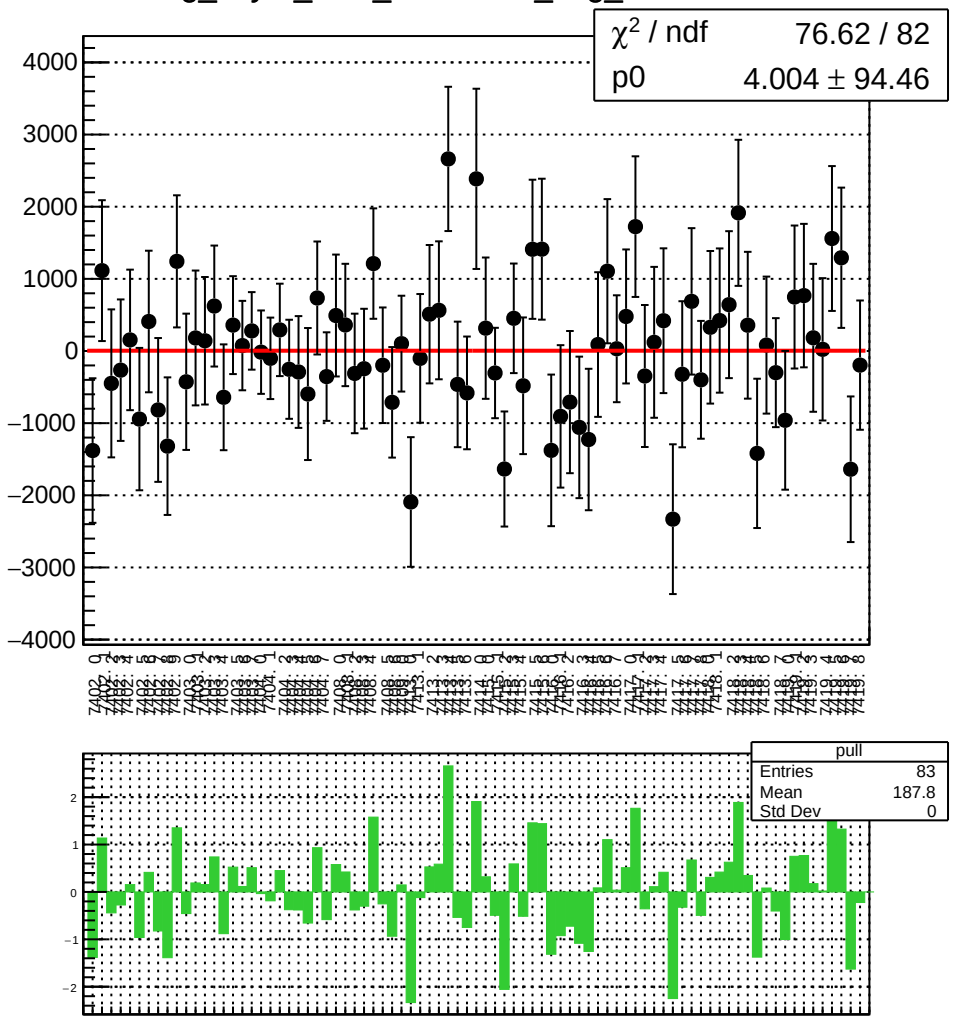

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.75 / 82
p0 0.02256 ± 0.04145
pull
Entries 83
Mean 89.21
Std Dev 0
pull1D
Entries 83
Mean 0.03152
Std Dev 1.051

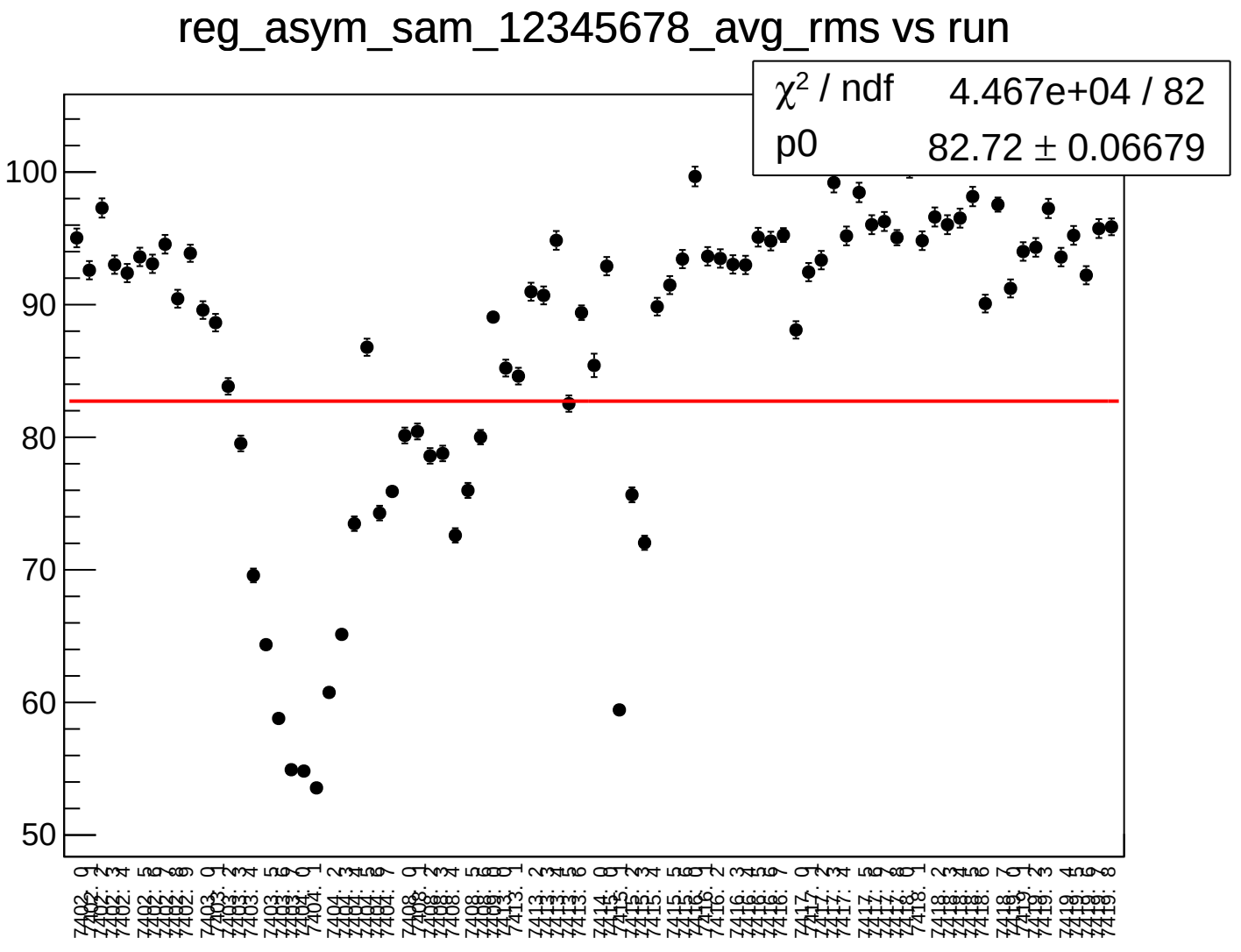

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 5.918e+04 / 82
p0 36.13 ± 0.02931
55
50
45
40
35
30
25

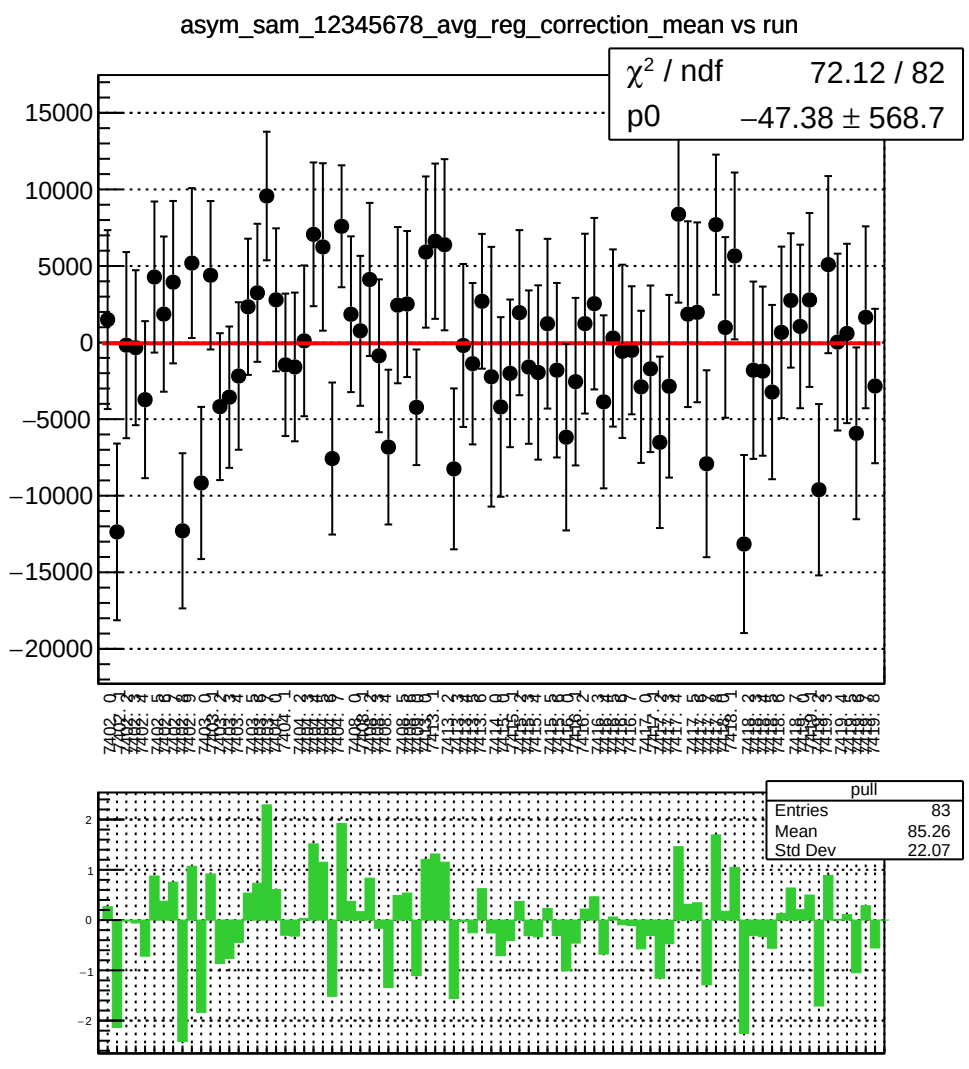

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.47 / 82
p0 1.929e−16 ± 2.01e−15
pull
Entries 83
Mean 46.37
Std Dev 55.26

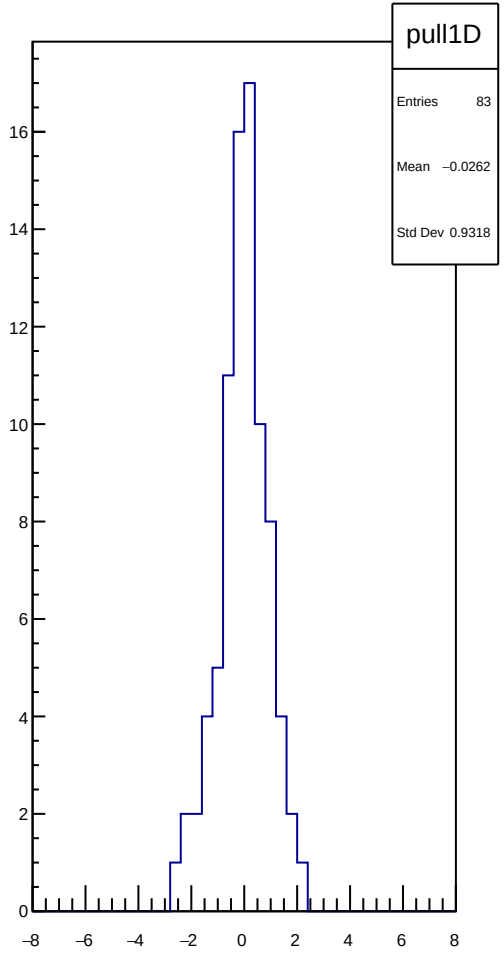

pull1D
Entries 83
Mean −0.04252
Std Dev 0.9006

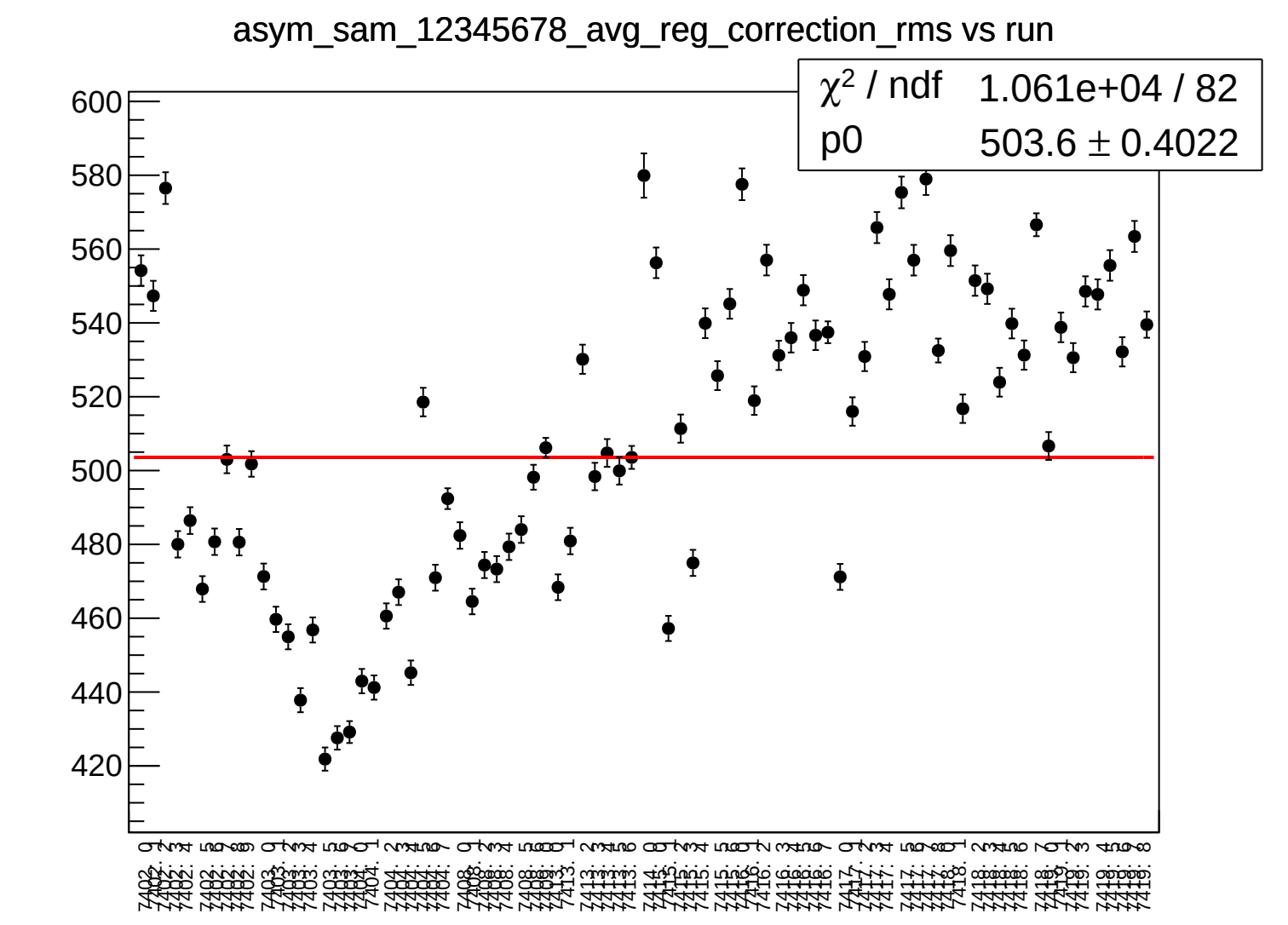

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
12
10
8
6
4
2
χ² / ndf 5.578e+05 / 82
p0 1.436e−12 ± 1.422e−15

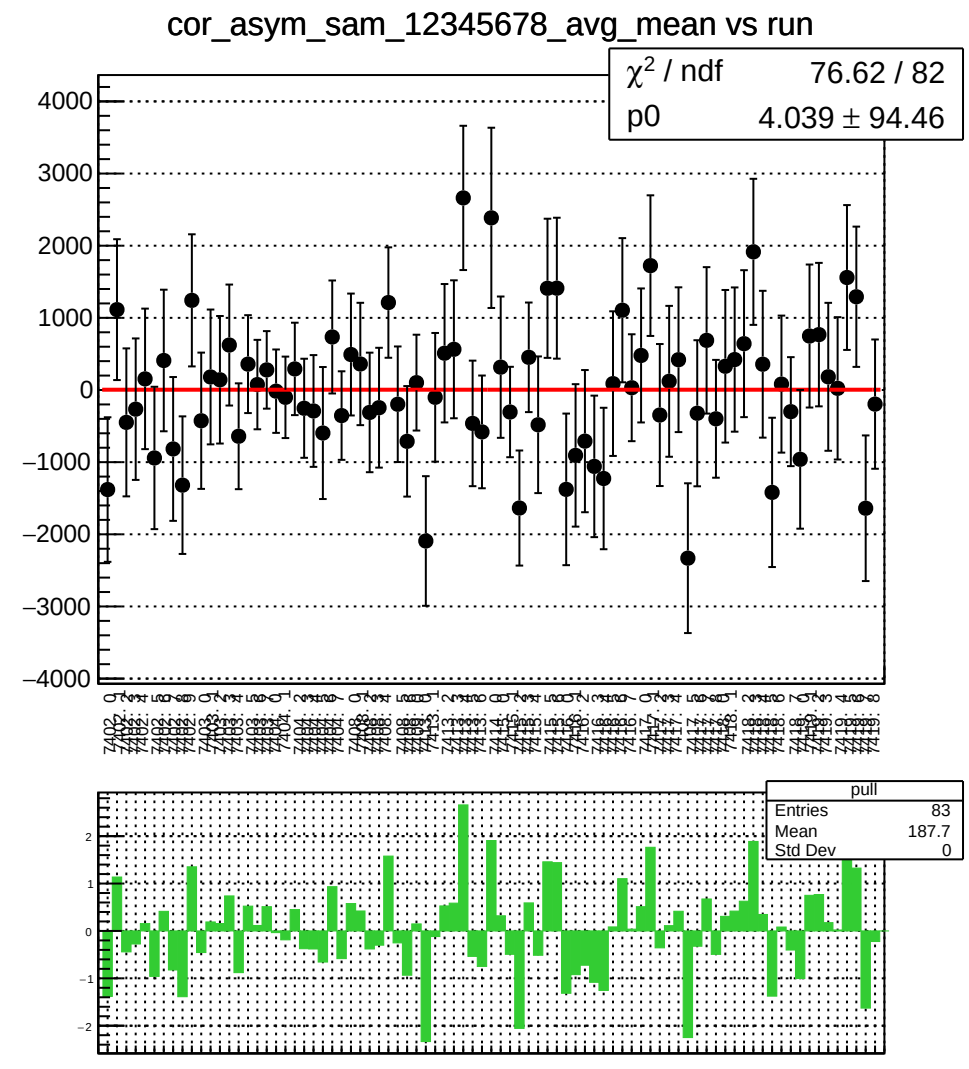

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.62 / 82
p0 4.004 ± 94.46
pull
Entries 83
Mean 187.8
Std Dev 0
pull1D
Entries 83
Mean 0.01207
Std Dev 0.9607

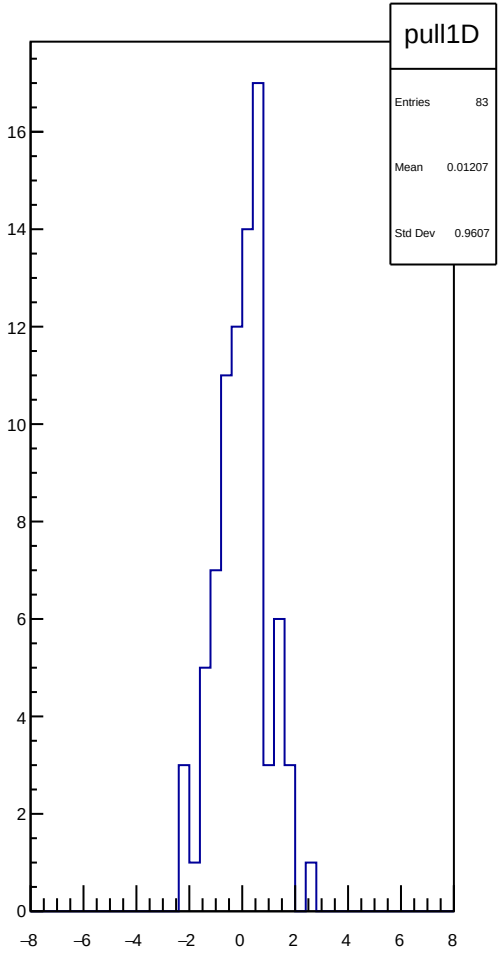

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.467e+04 / 82
p0 82.72 ± 0.06679
100
90
80
70
60
50

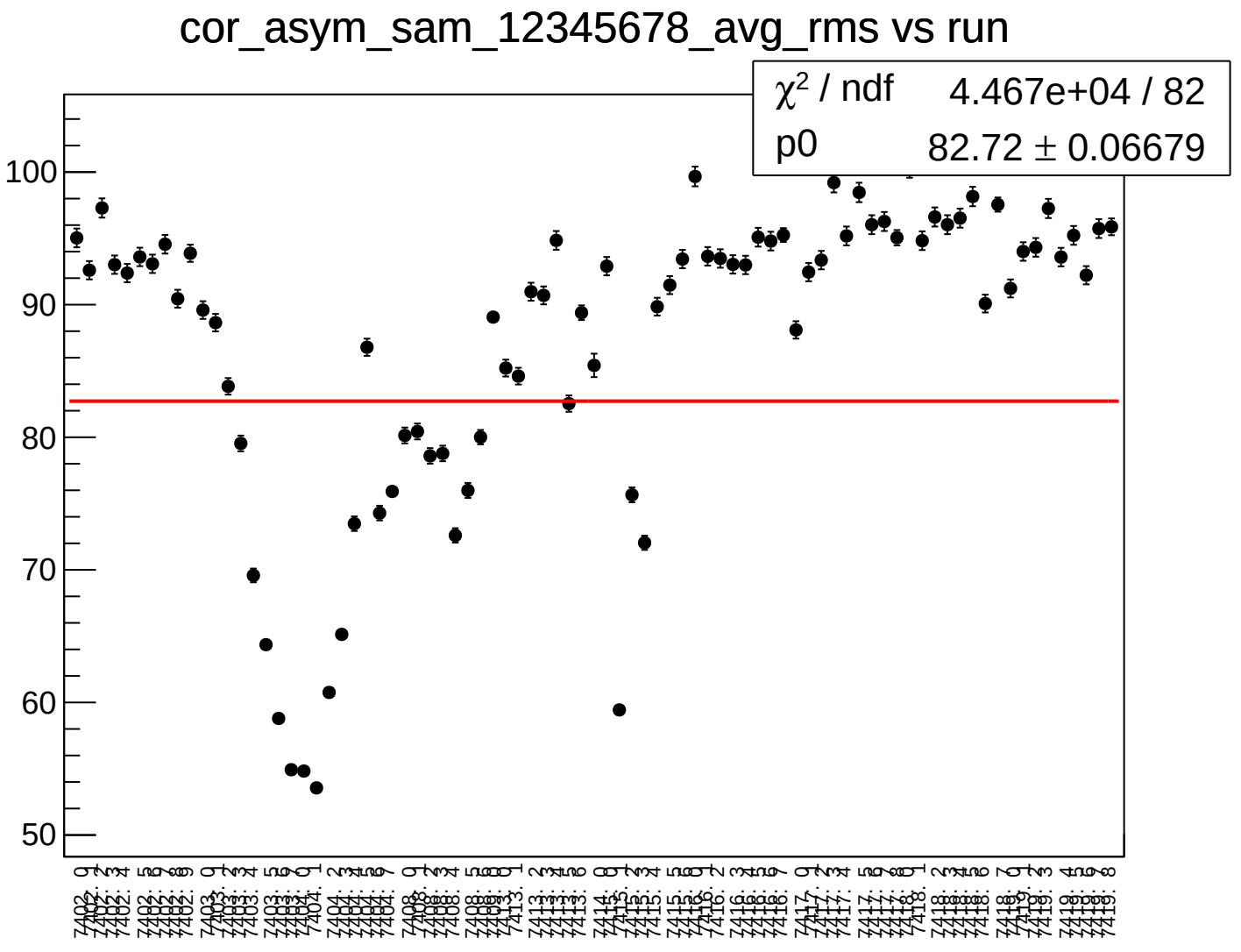

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 72.12 / 82
p0 −47.38 ± 568.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 85.26
Std Dev 22.07
2
1
0
−1
−2

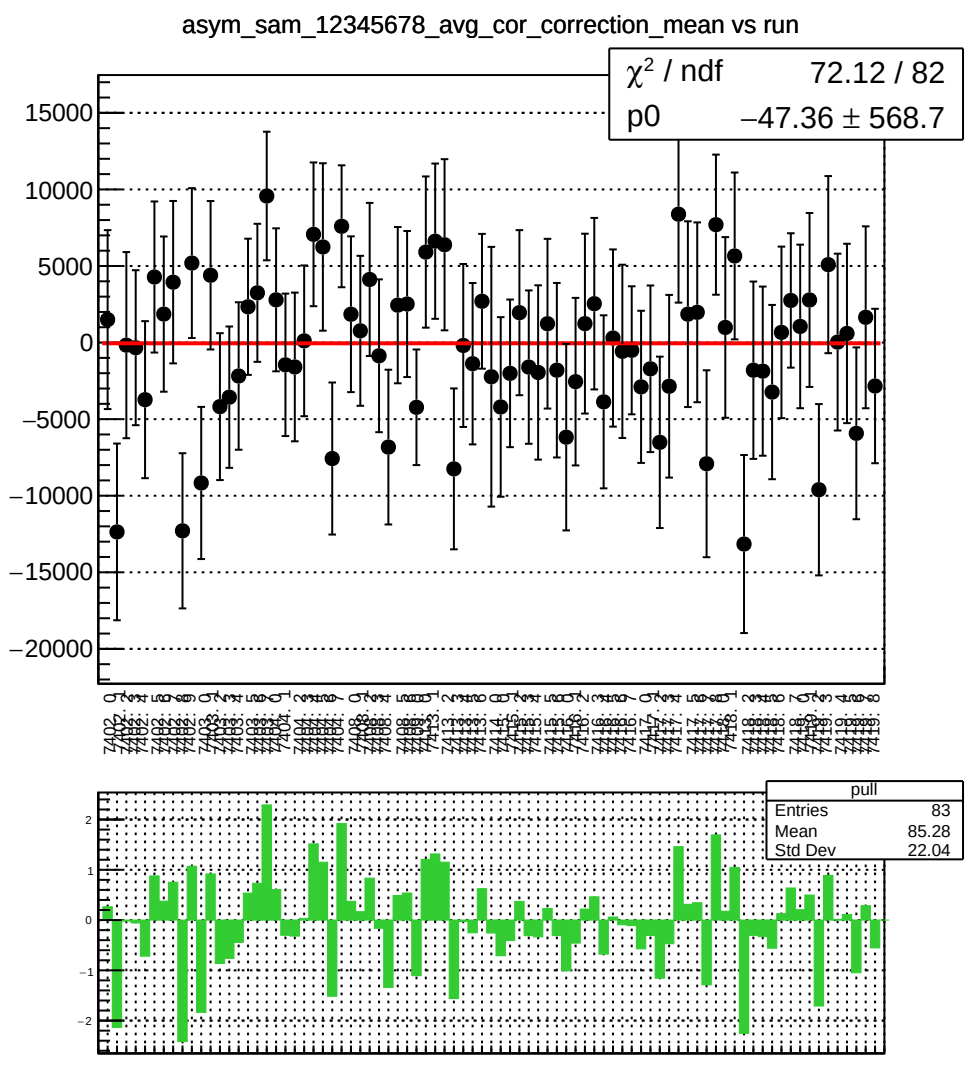

pull1D
Entries 83
Mean −0.0262
Std Dev 0.9318
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

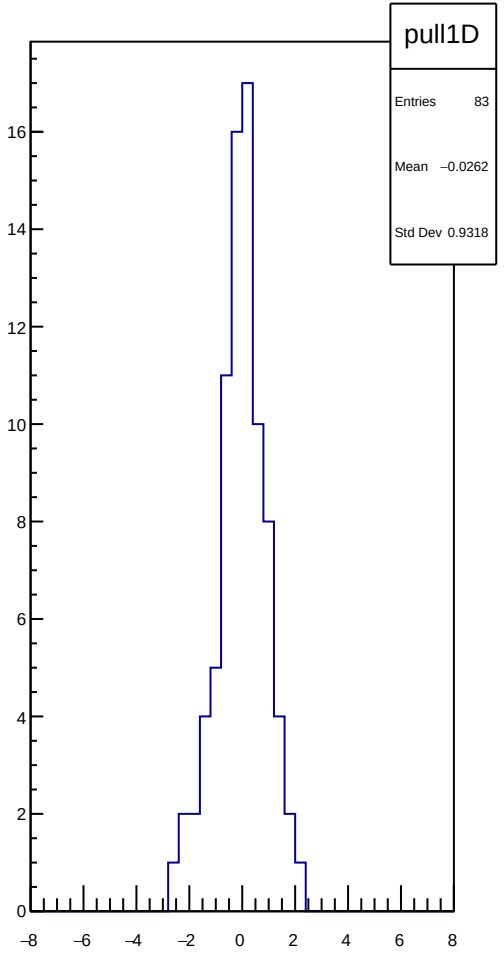

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 1.061e+04 / 82
p0 503.6 ± 0.4022
600
580
560
540
520
500
480
460
440
420

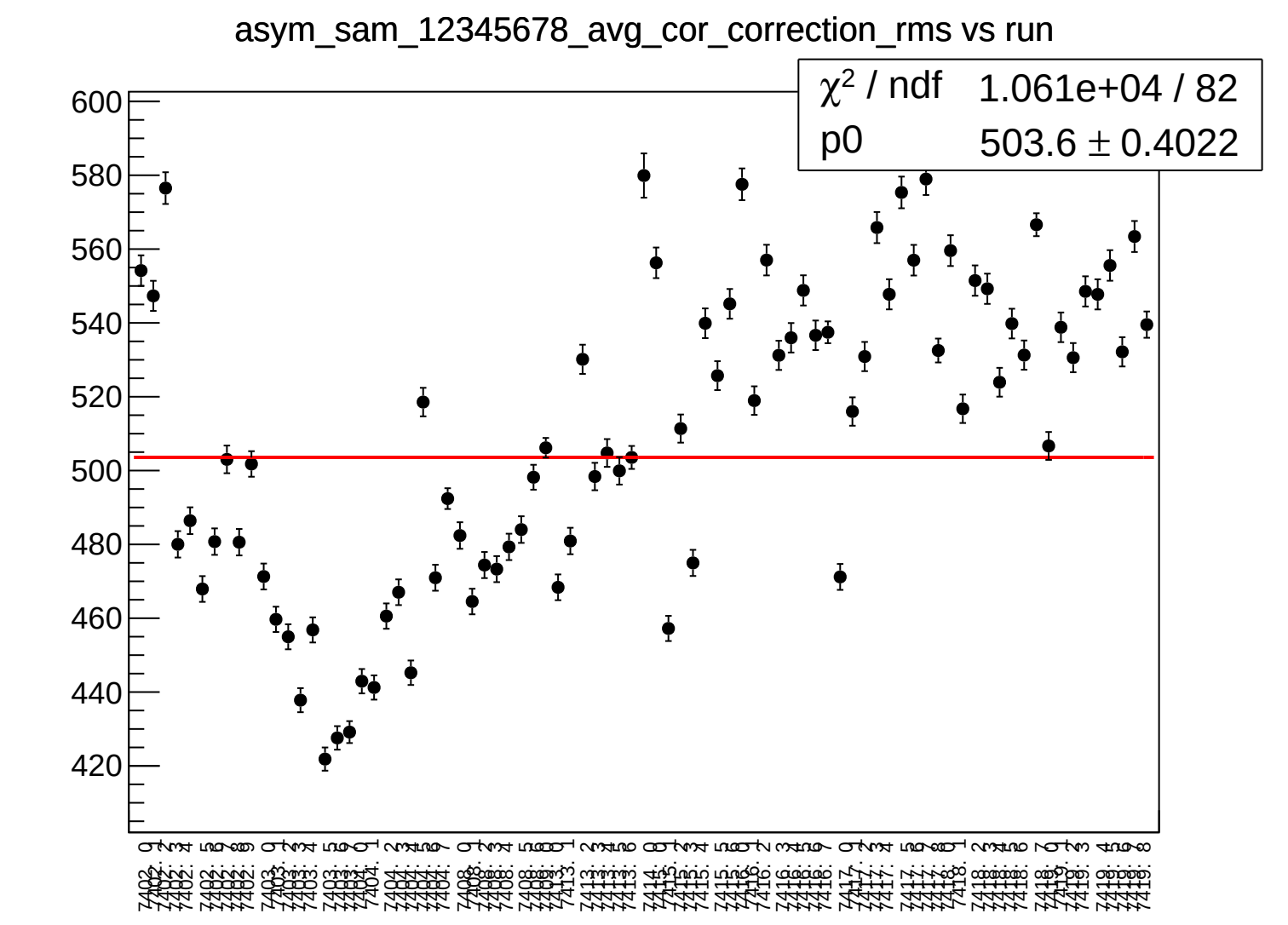

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.62 / 82
p0 4.039 ± 94.46
pull
Entries 83
Mean 187.7
Std Dev 0

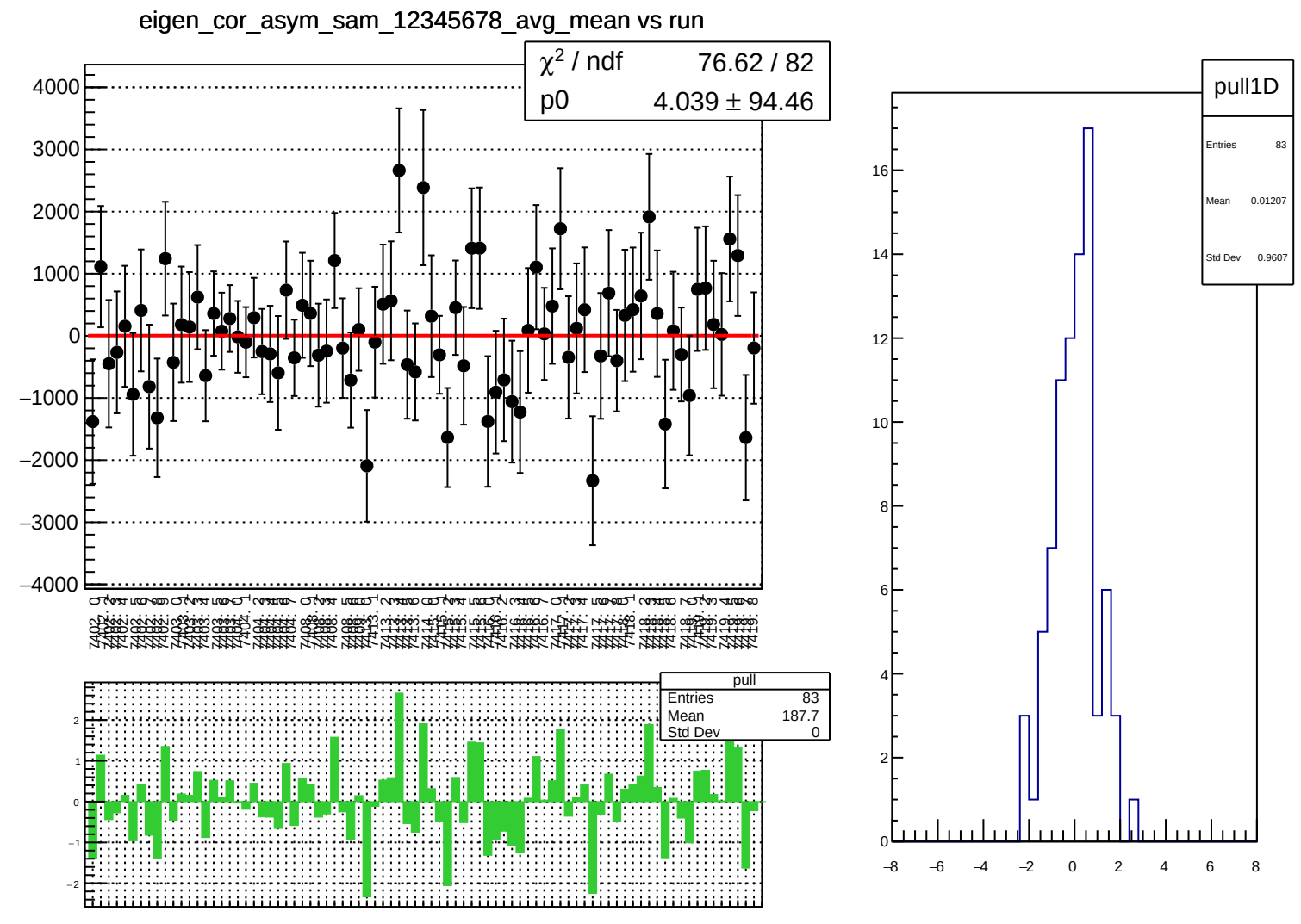

pull1D
Entries 83
Mean 0.01207
Std Dev 0.9607

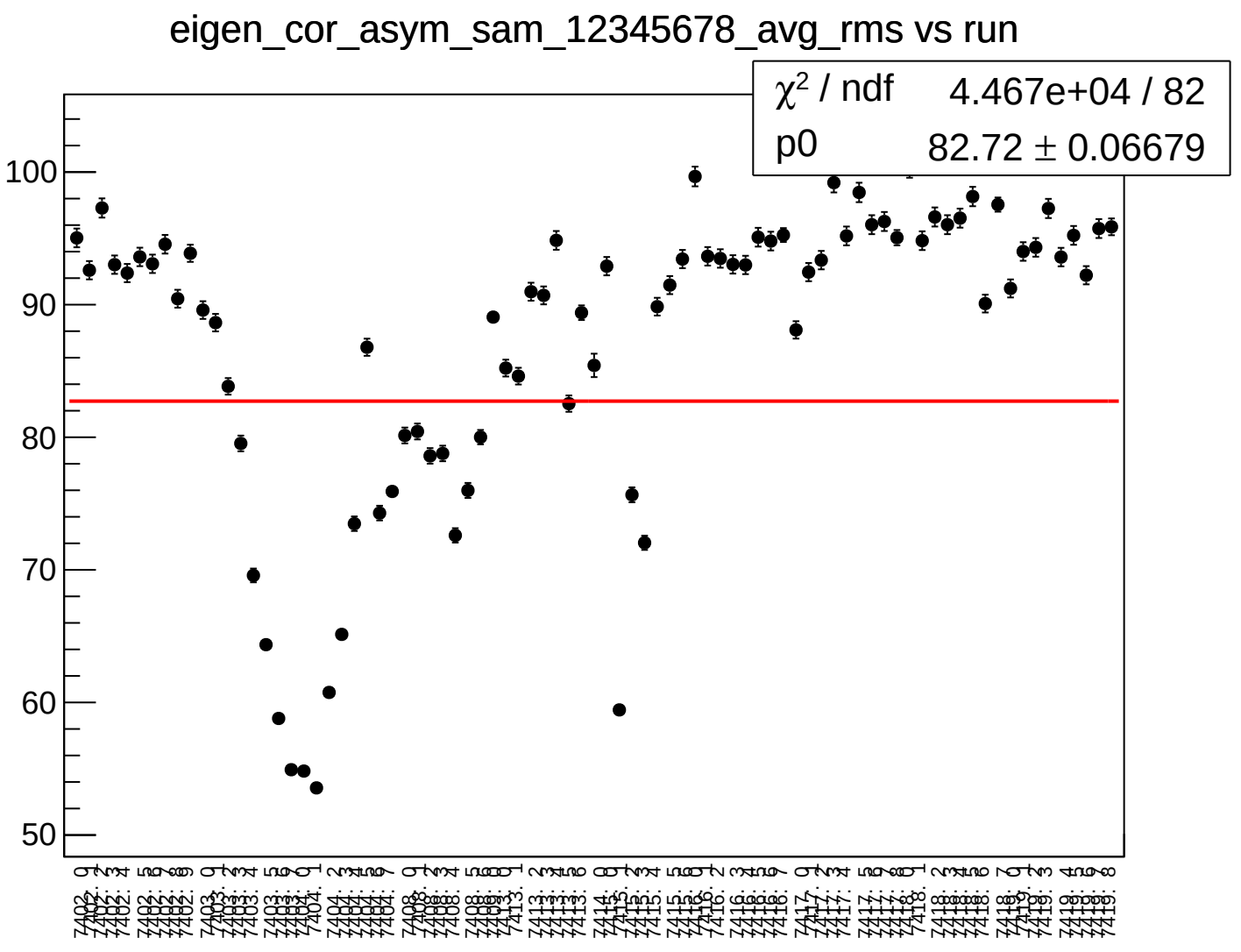

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.467e+04 / 82
p0 82.72 ± 0.06679
100
90
80
70
60
50

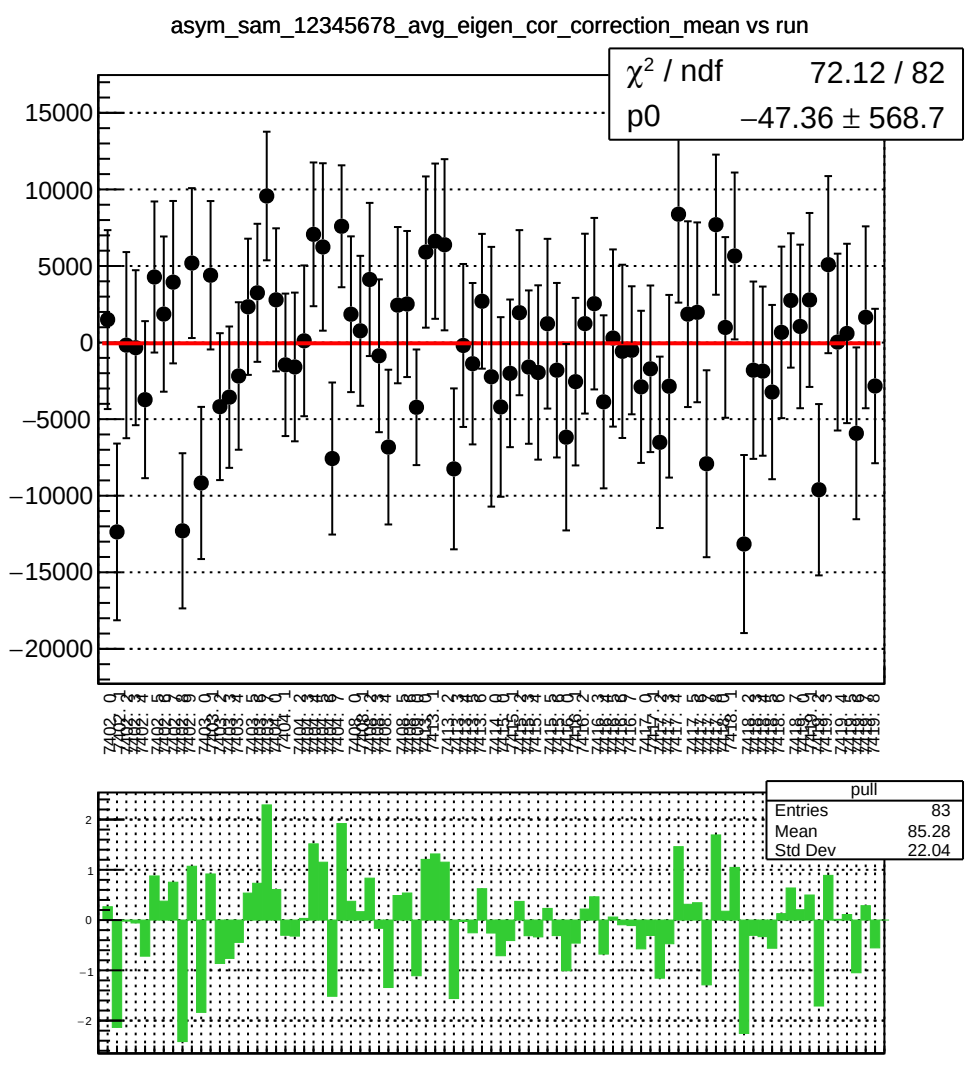

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 72.12 / 82
p0 −47.36 ± 568.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 85.28
Std Dev 22.04
2
1
0
−1
−2

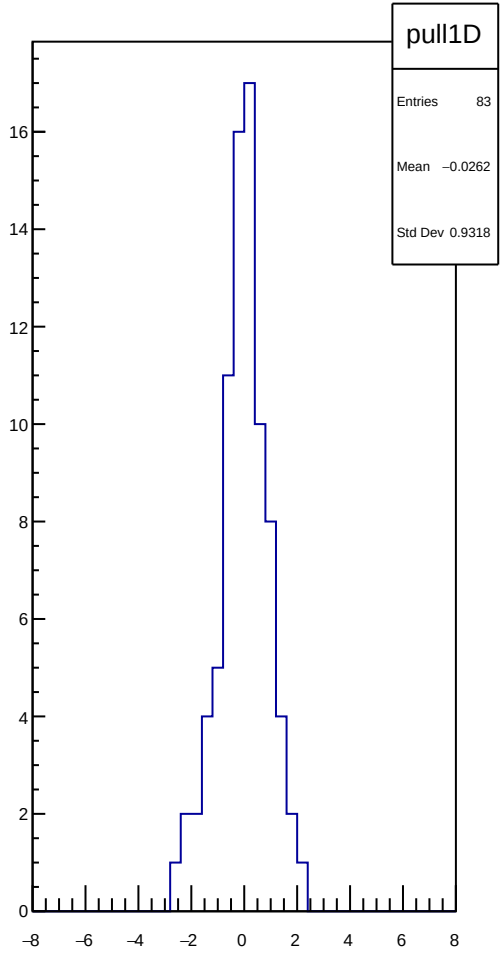

pull1D
Entries 83
Mean −0.0262
Std Dev 0.9318
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

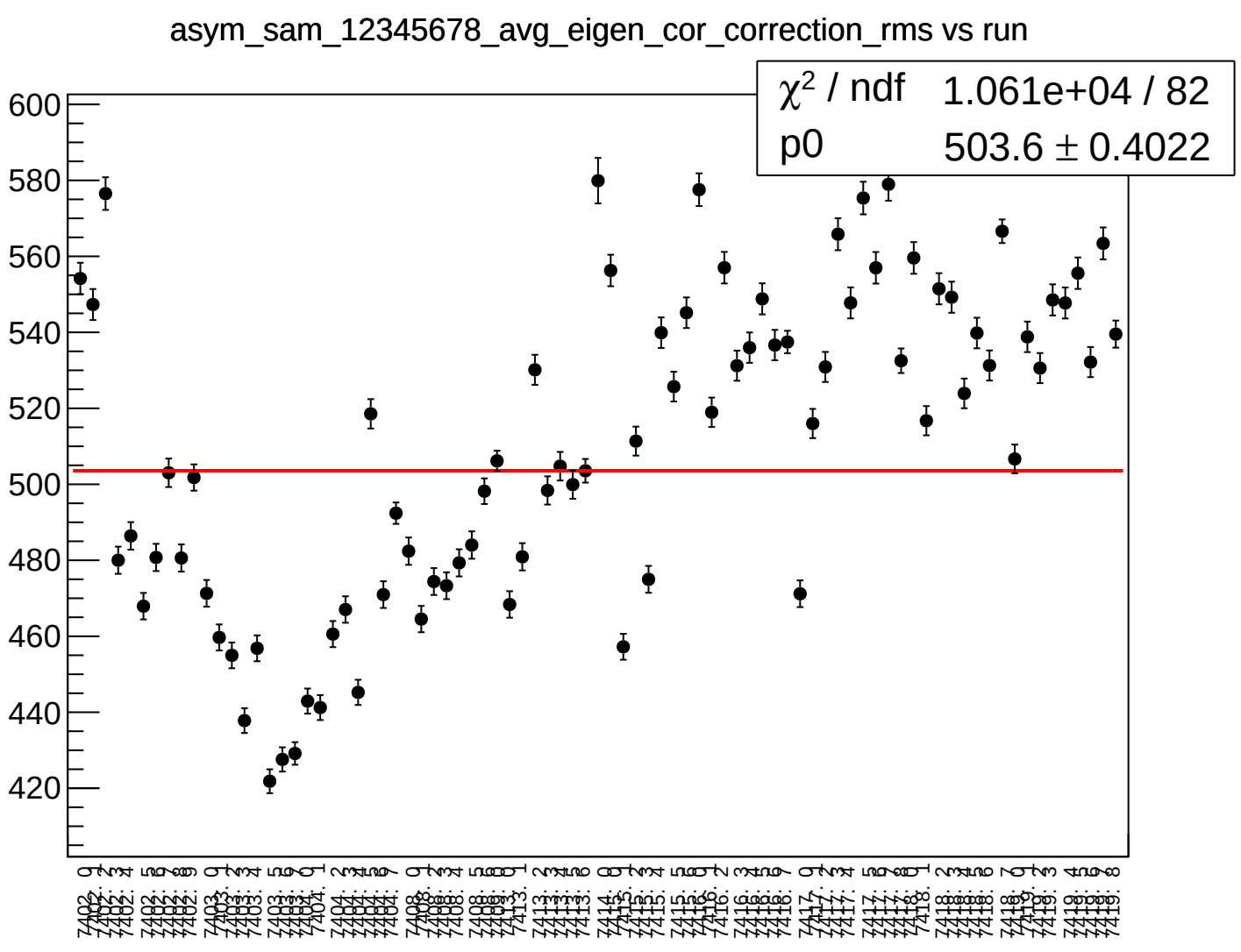

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 1.061e+04 / 82
p0 503.6 ± 0.4022
600
580
560
540
520
500
480
460
440
420

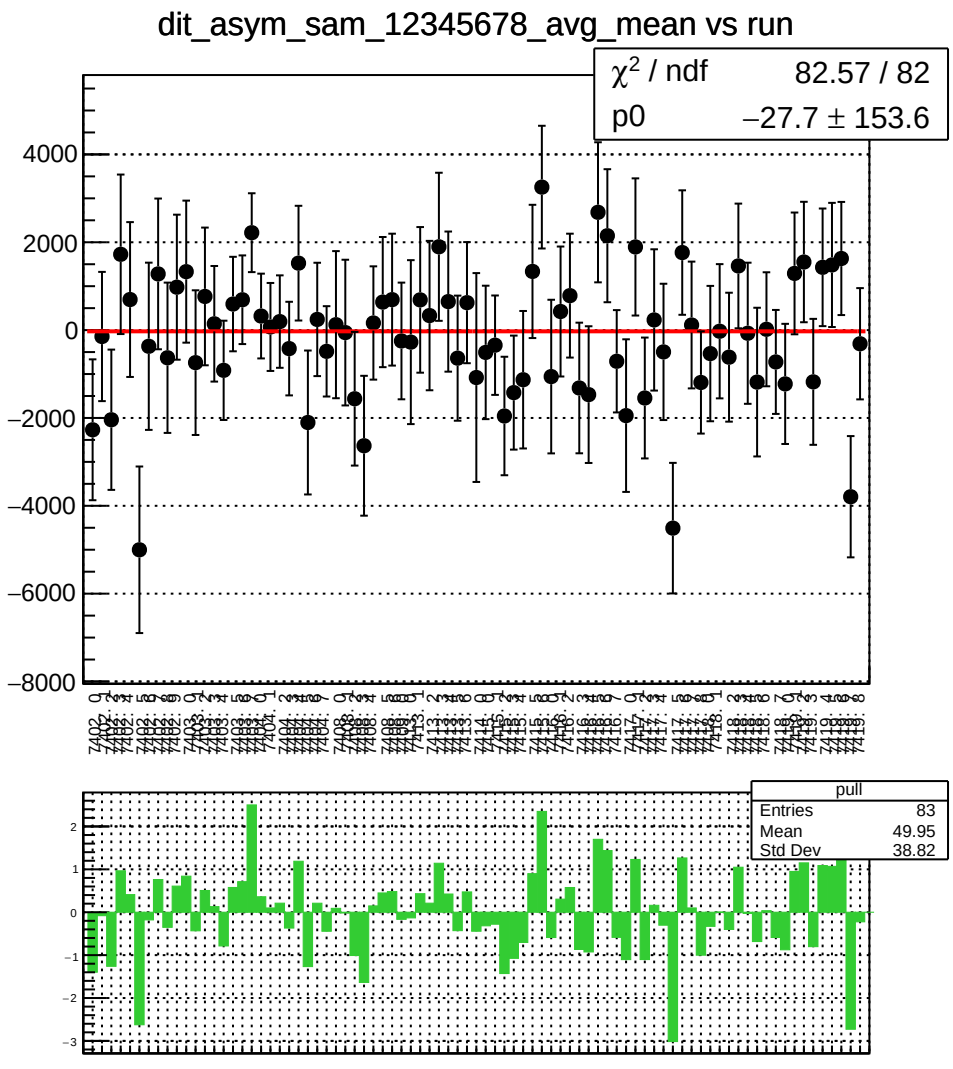

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.62 / 82
p0 4.039 ± 94.46
pull
Entries 83
Mean 187.7
Std Dev 0
pull1D
Entries 83
Mean 0.01207
Std Dev 0.9607

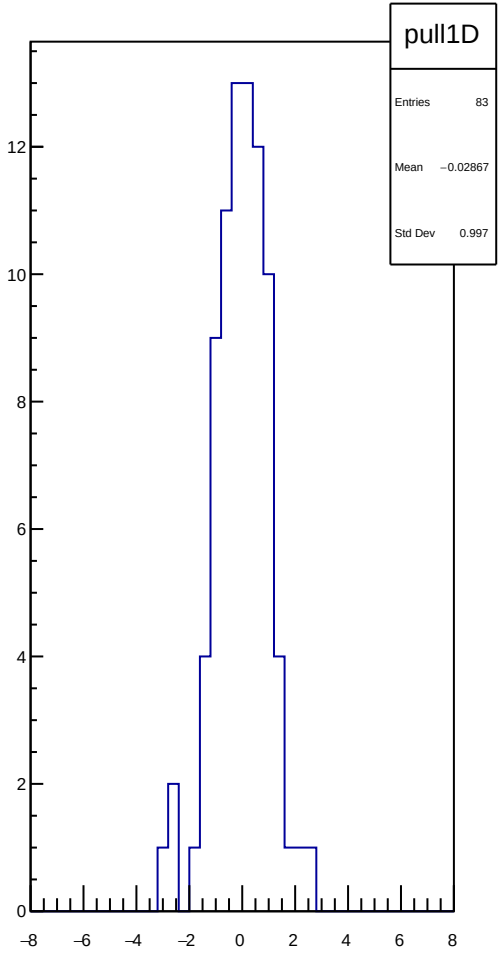

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.467e+04 / 82
p0 82.72 ± 0.06679
100
90
80
70
60
50

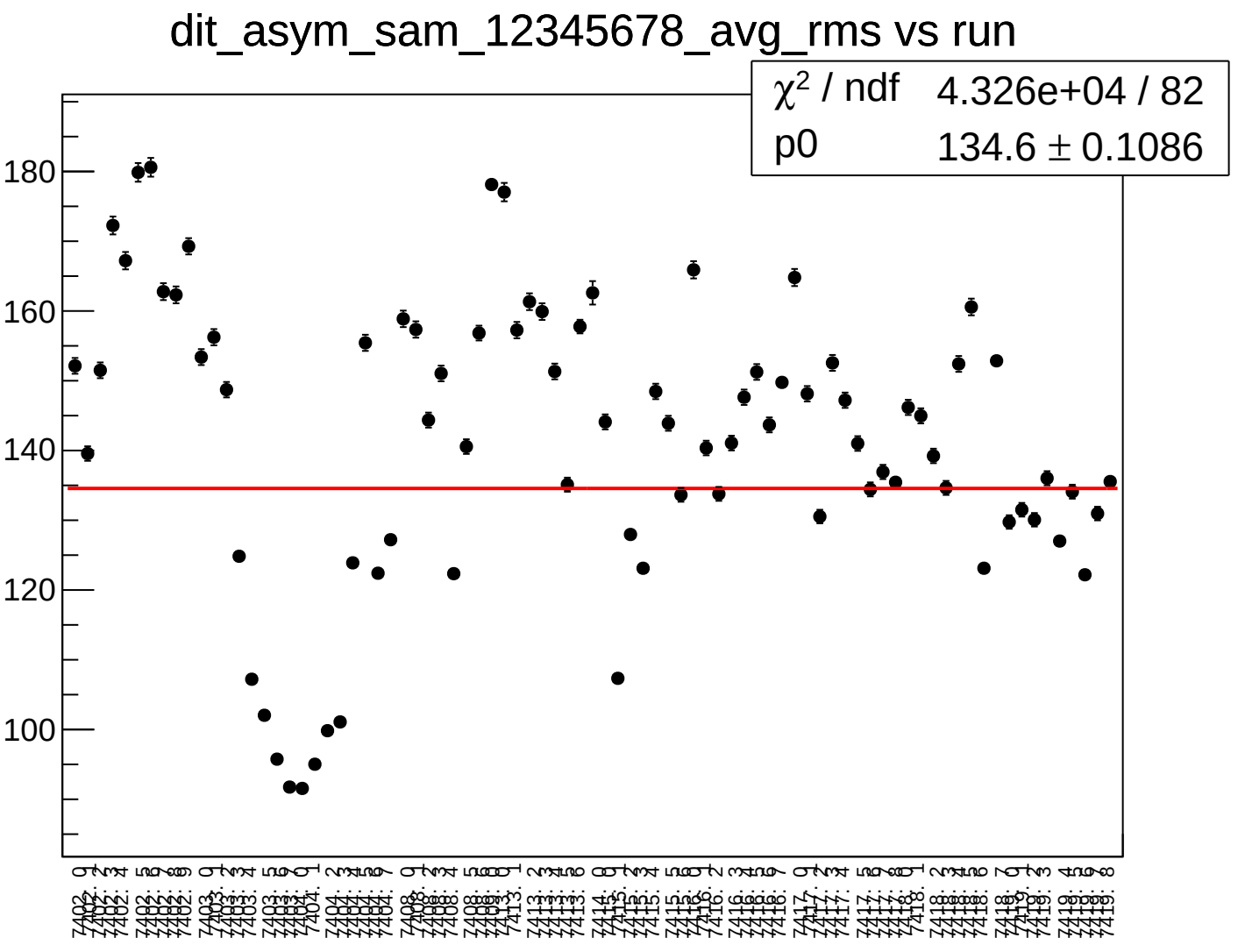

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 72.12 / 82
p0 −47.36 ± 568.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 83
Mean 85.28
Std Dev 22.04
2
1
0
−1
−2

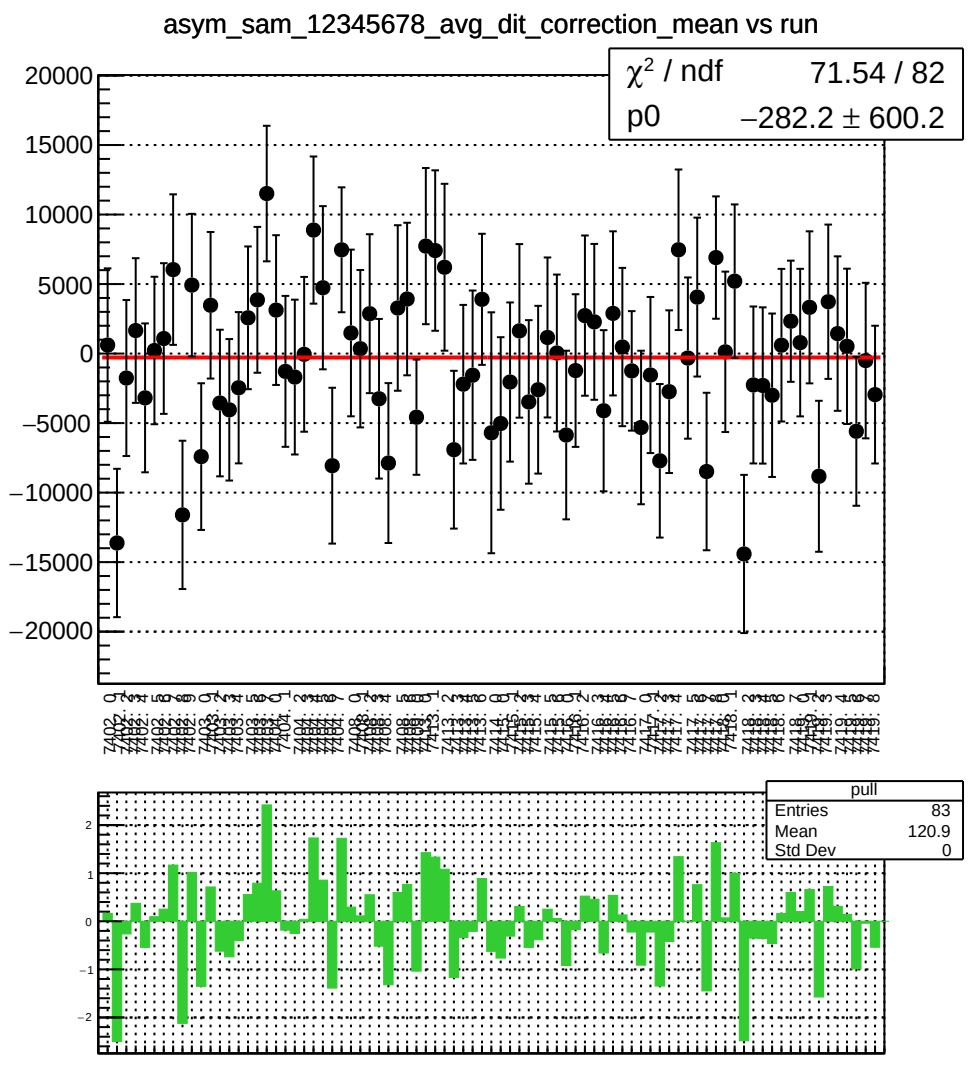

pull1D
Entries 83
Mean −0.0262
Std Dev 0.9318
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

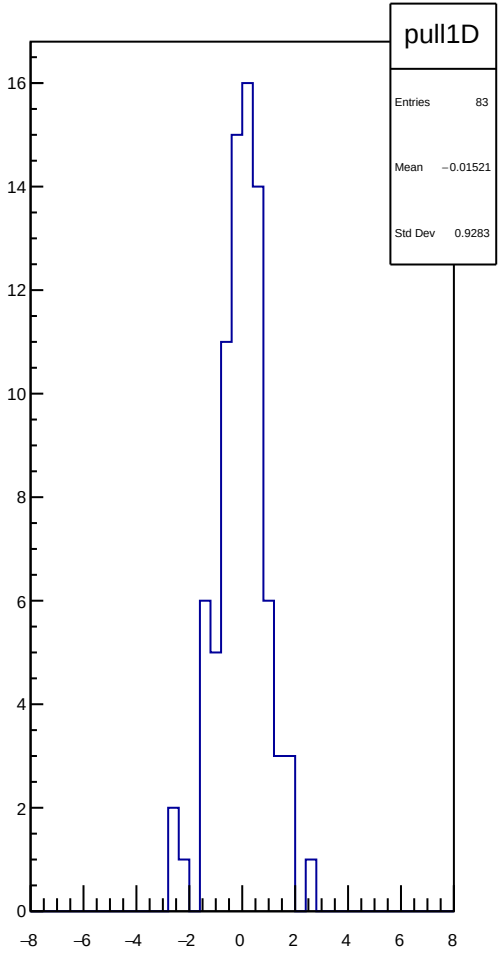

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.061e+04 / 82
p0 503.6 ± 0.4022
600
580
560
540
520
500
480
460
440
420

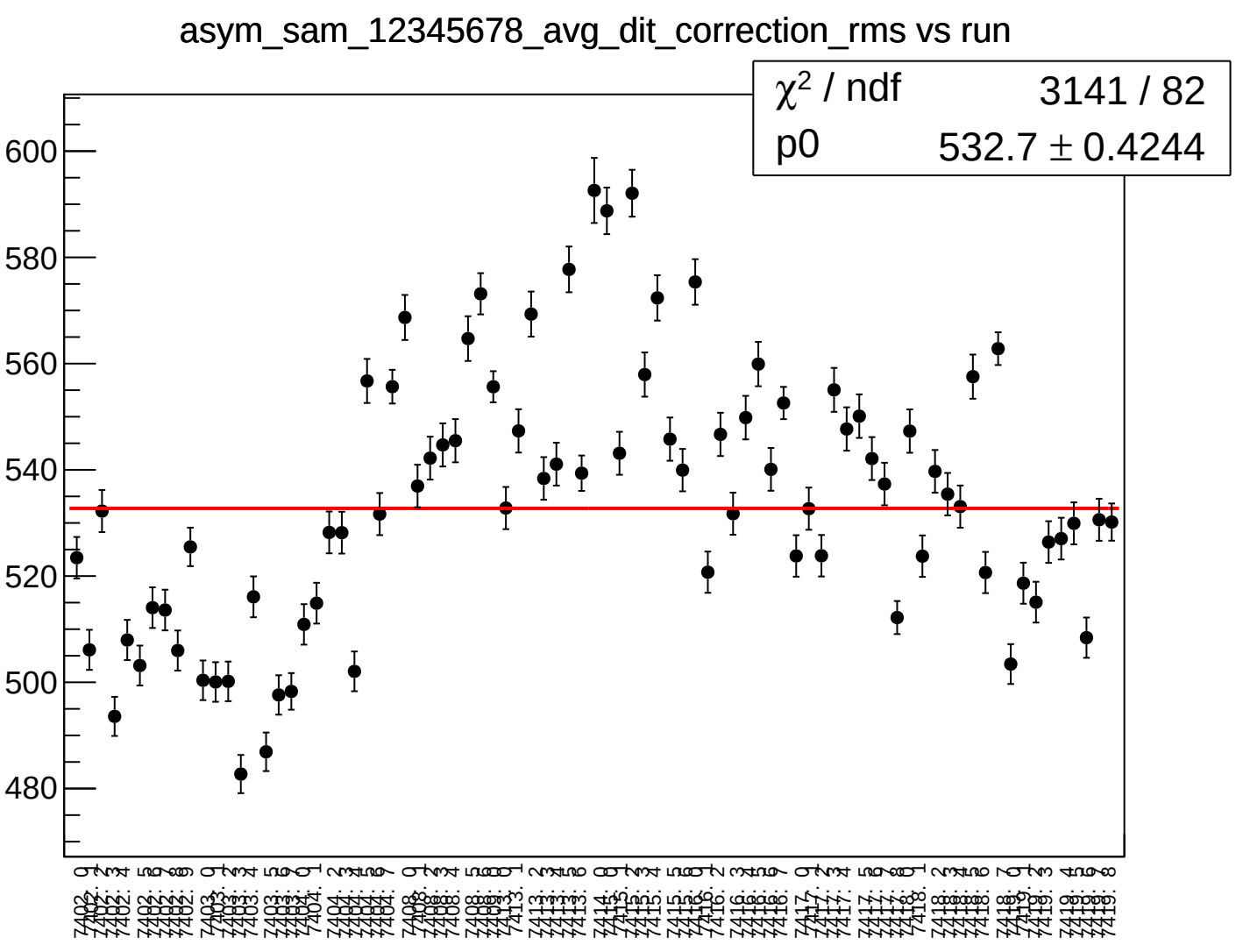

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 82.57 / 82
p0 −27.7 ± 153.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 49.95
Std Dev 38.82
2
1
0
−1
−2
−3

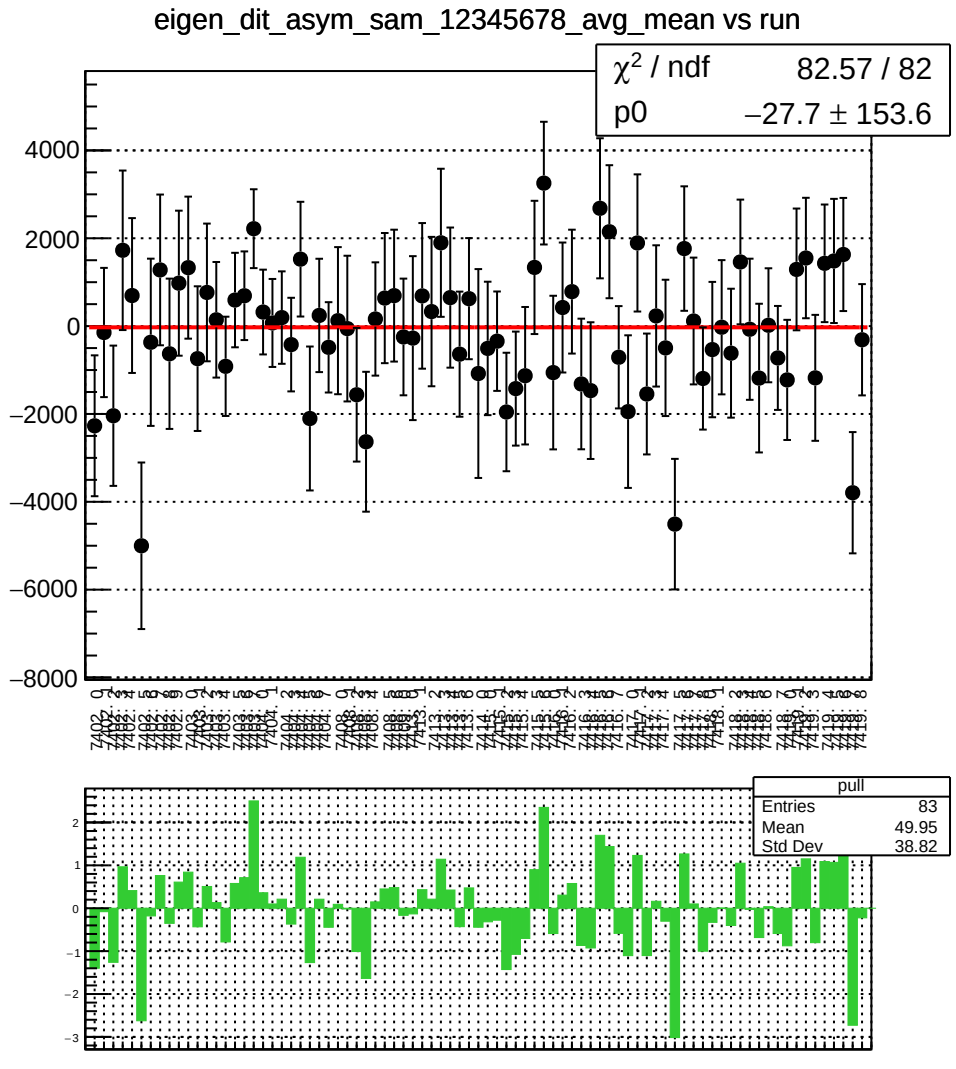

pull1D
Entries 83
Mean −0.02867
Std Dev 0.997
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

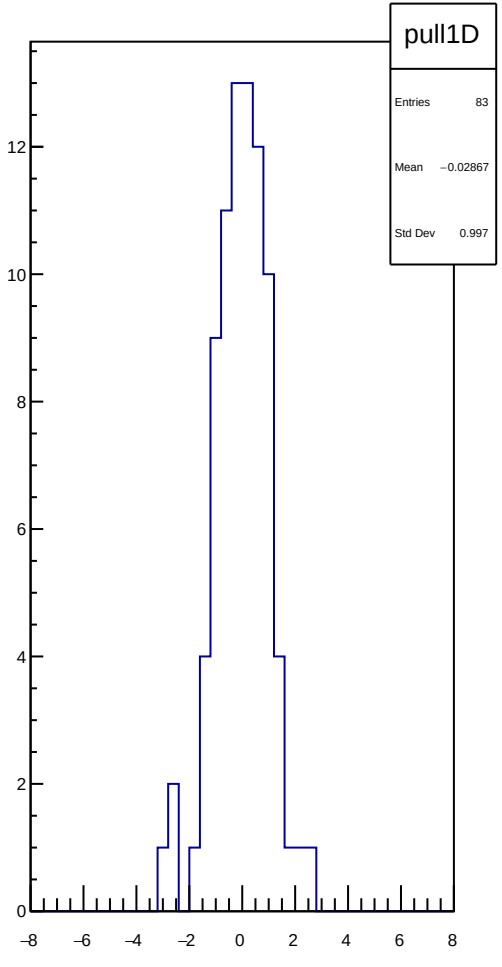

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.326e+04 / 82
p0 134.6 ± 0.1086
180
160
140
120
100

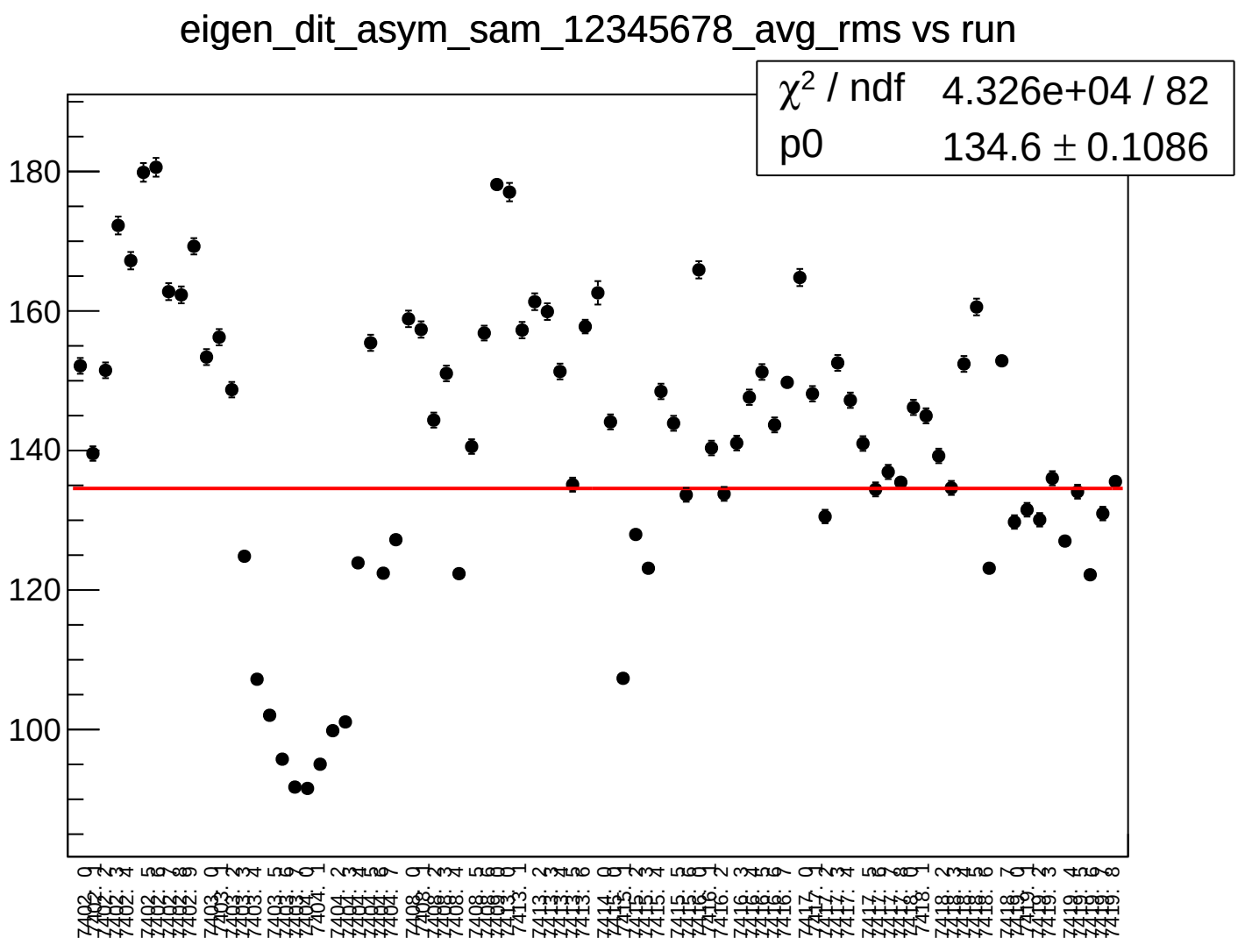

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 71.54 / 82
p0 −282.2 ± 600.2
pull
Entries 83
Mean 120.9
Std Dev 0

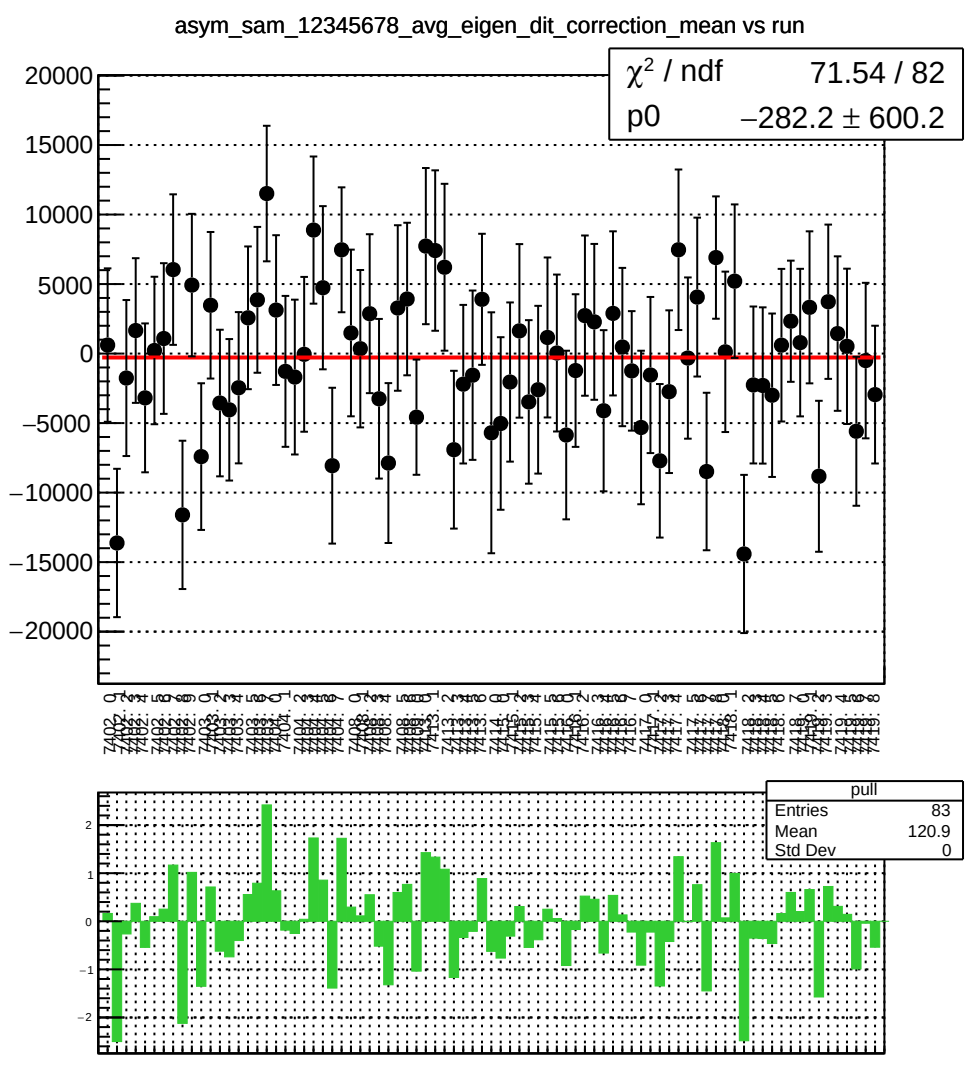

pull1D
Entries 83
Mean −0.01521
Std Dev 0.9283

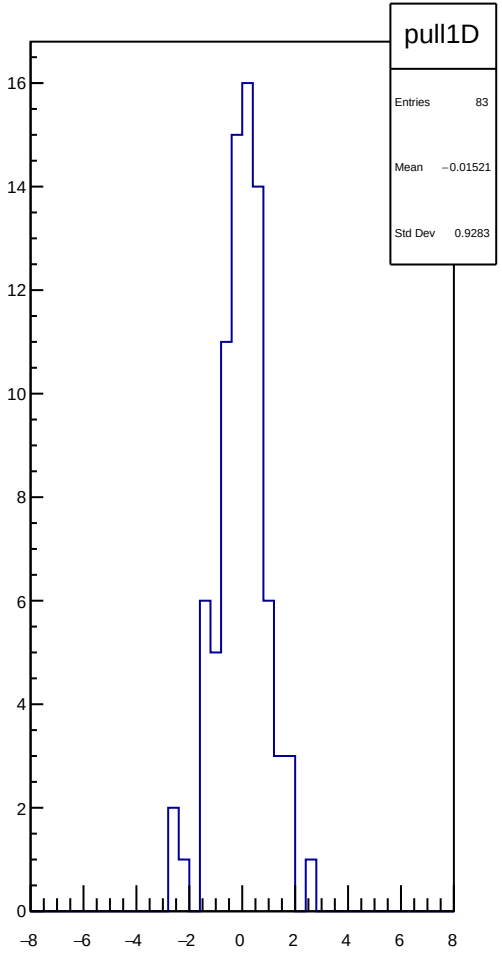

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 3141 / 82
p0 532.7 ± 0.4244
600
580
560
540
520
500
480

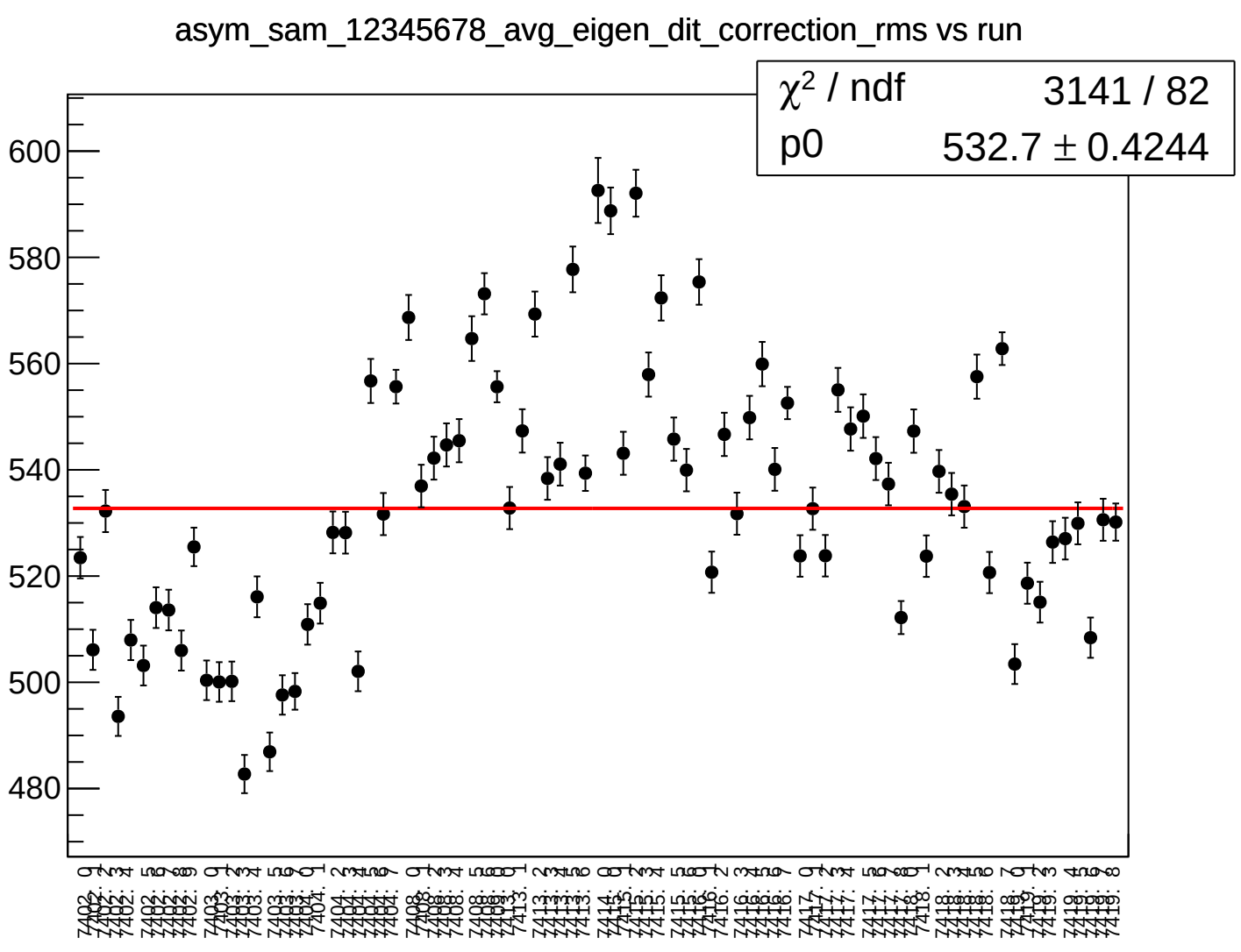

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 82.57 / 82
p0 −27.7 ± 153.6
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 83
Mean 49.95
Std Dev 38.82
2
1
0
−1
−2
−3

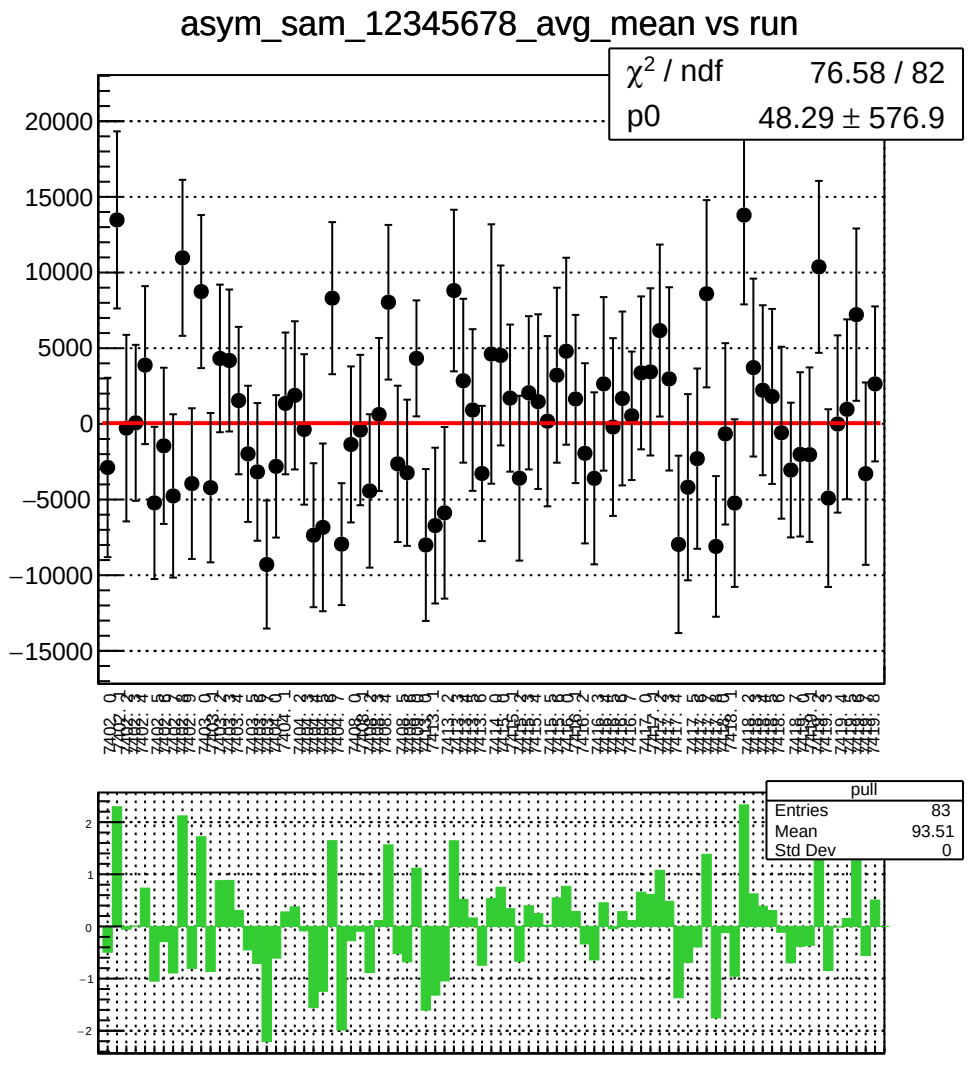

pull1D
Entries 83
Mean −0.02867
Std Dev 0.997
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

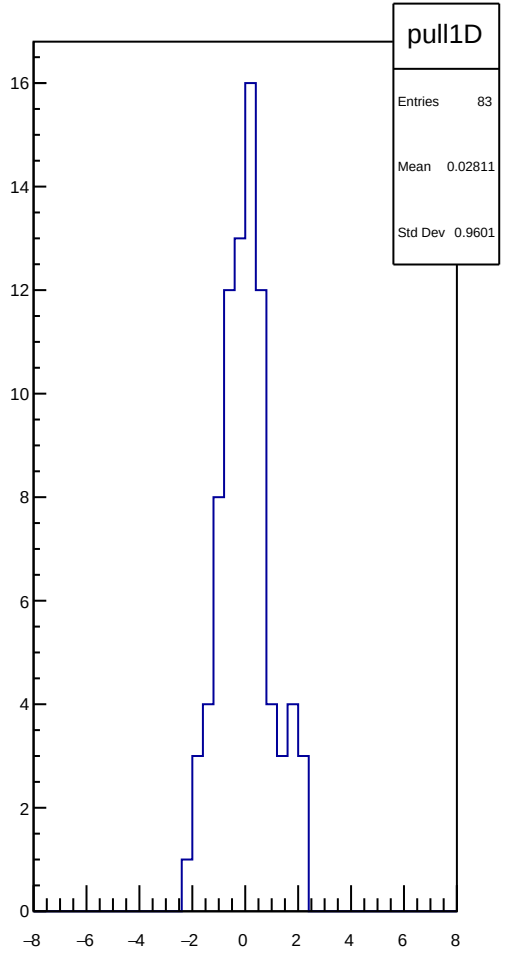

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4.326e+04 / 82
p0 134.6 ± 0.1086
180
160
140
120
100

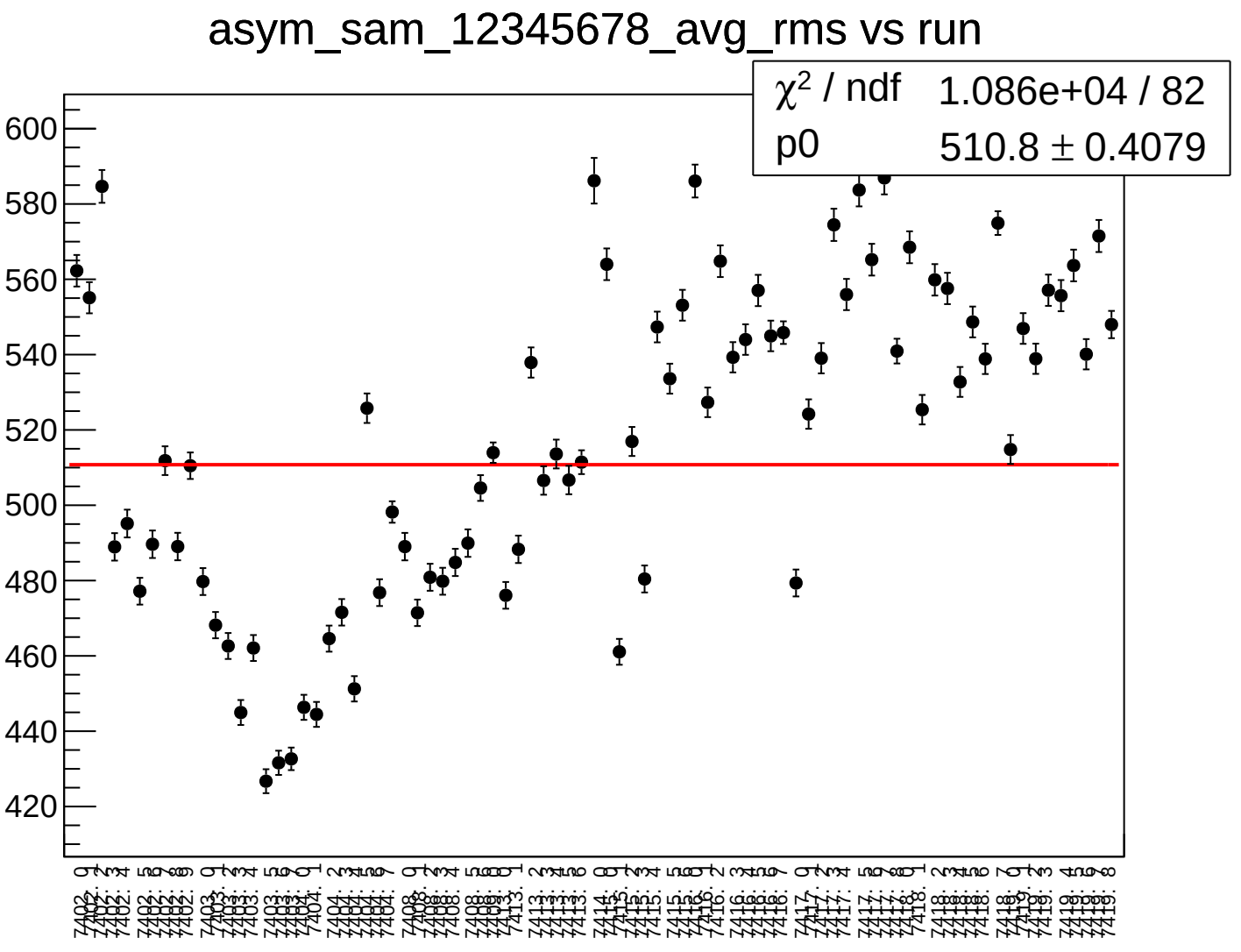

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 71.54 / 82
p0 −282.2 ± 600.2
pull
Entries 83
Mean 120.9
Std Dev 0

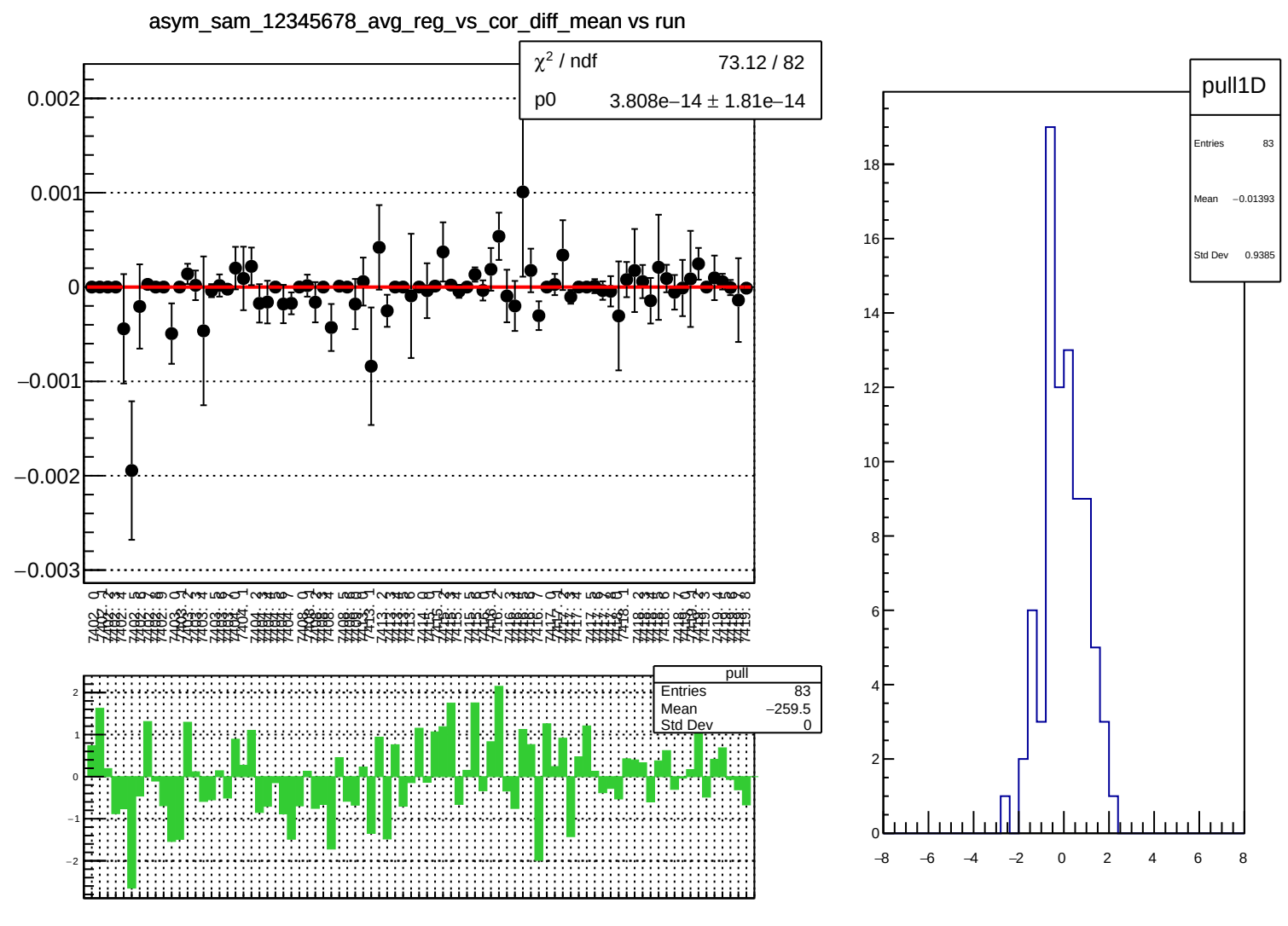

pull1D
Entries 83
Mean −0.01521
Std Dev 0.9283

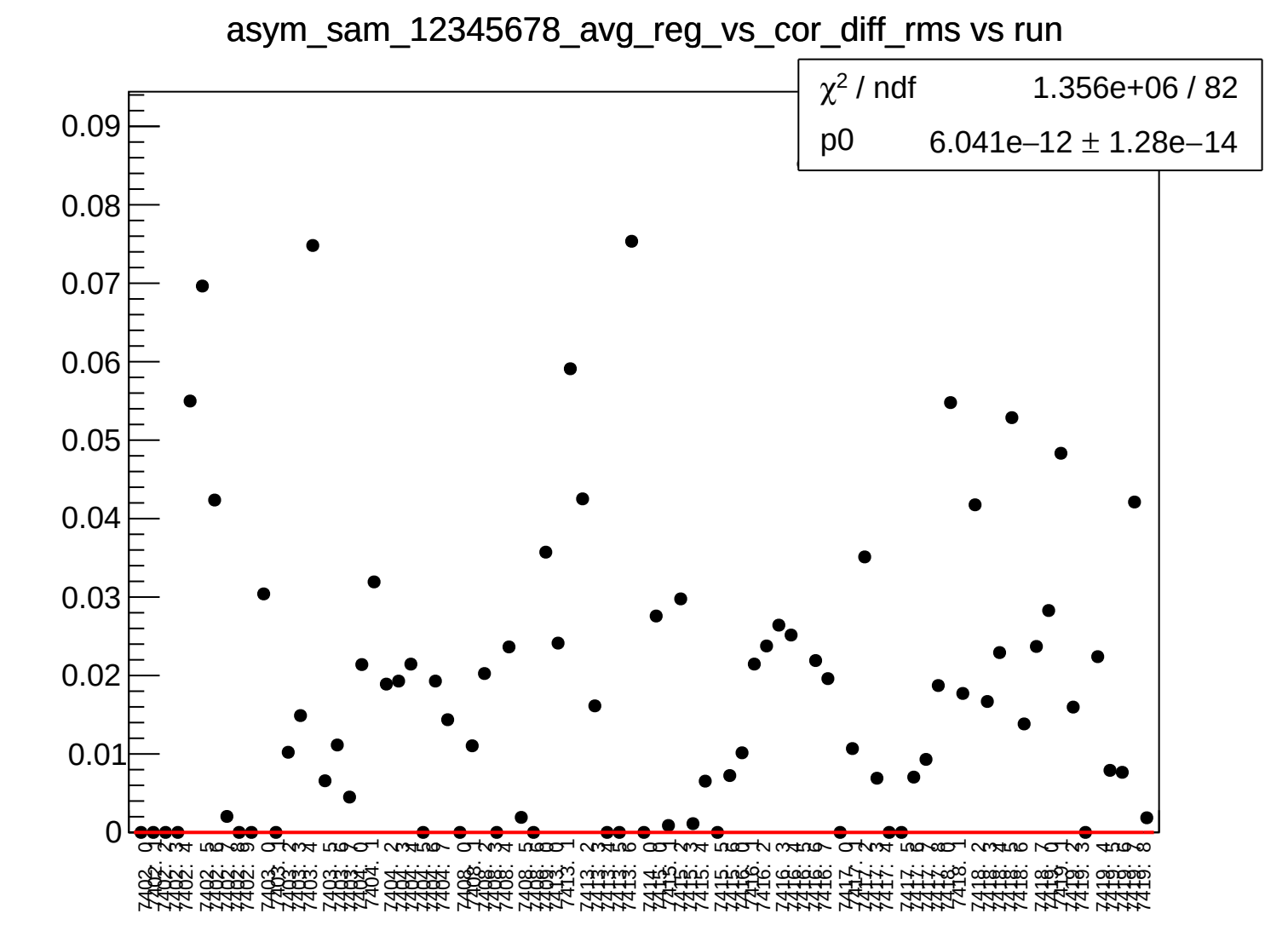

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 3141 / 82
p0 532.7 ± 0.4244
600
580
560
540
520
500
480

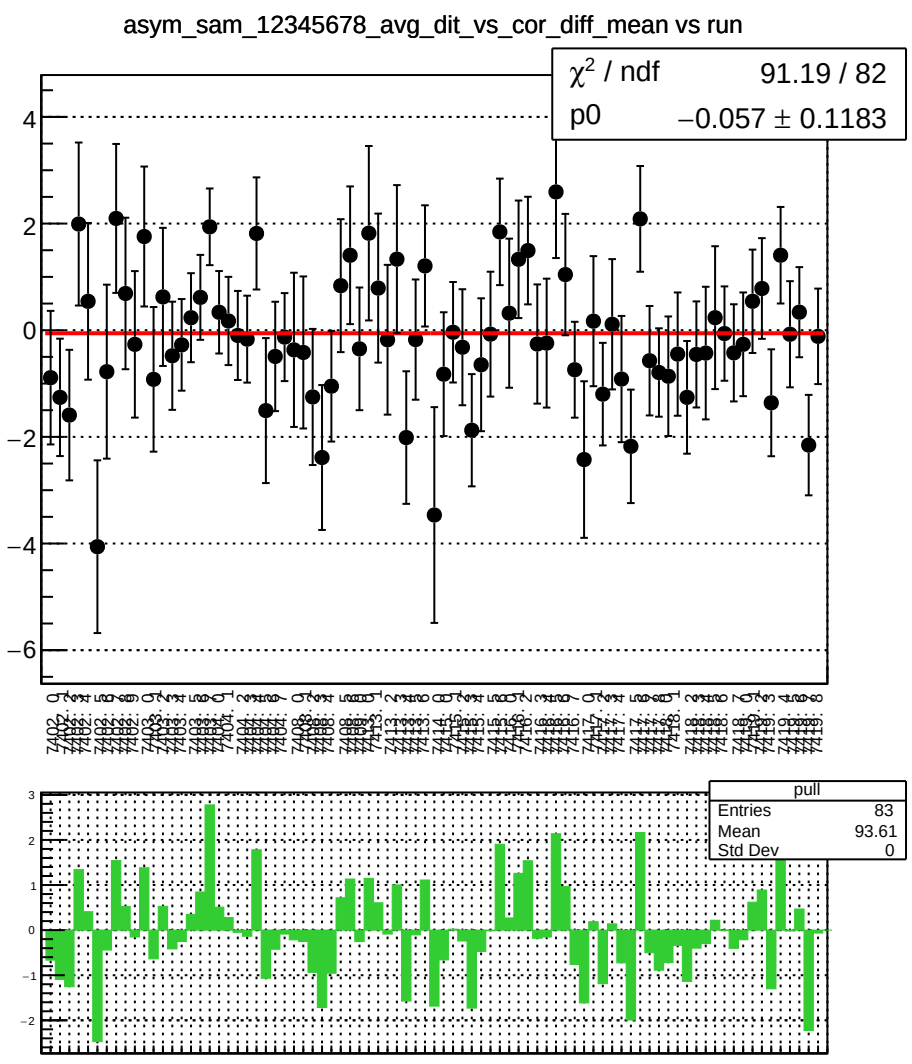

asym_sam_12345678_avg_mean vs run
χ² / ndf 76.58 / 82
p0 48.29 ± 576.9
pull
Entries 83
Mean 93.51
Std Dev 0

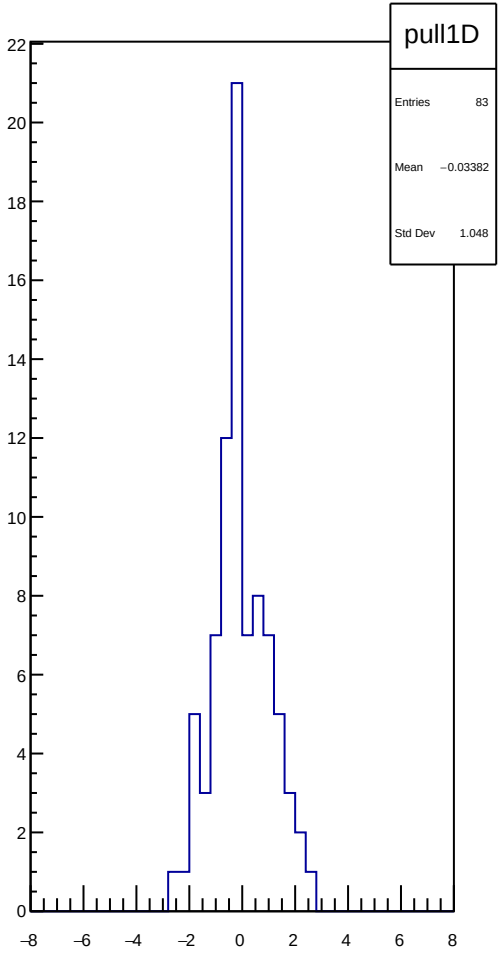

pull1D
Entries 83
Mean 0.02811
Std Dev 0.9601

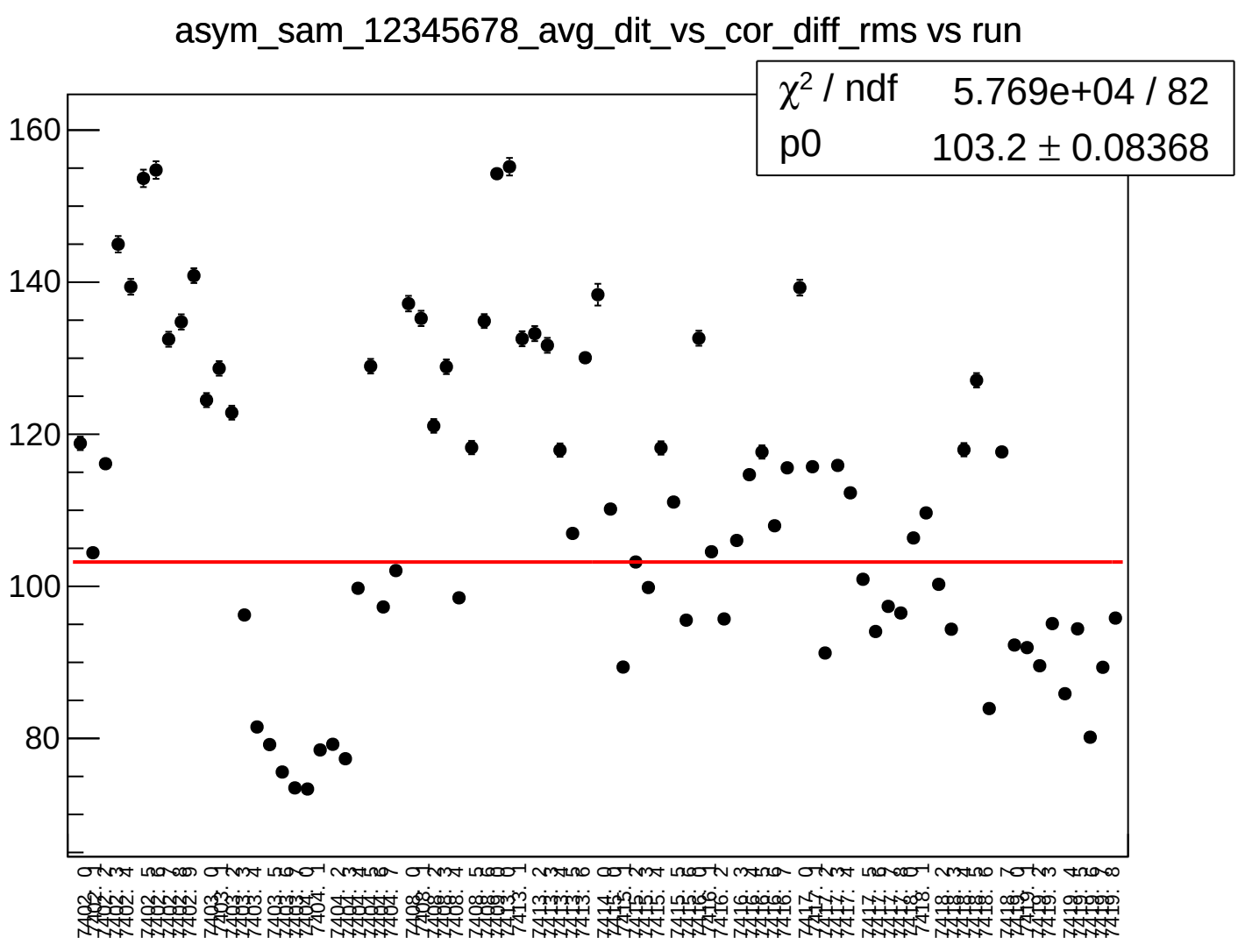

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.086e+04 / 82
p0 510.8 ± 0.4079
600
580
560
540
520
500
480
460
440
420

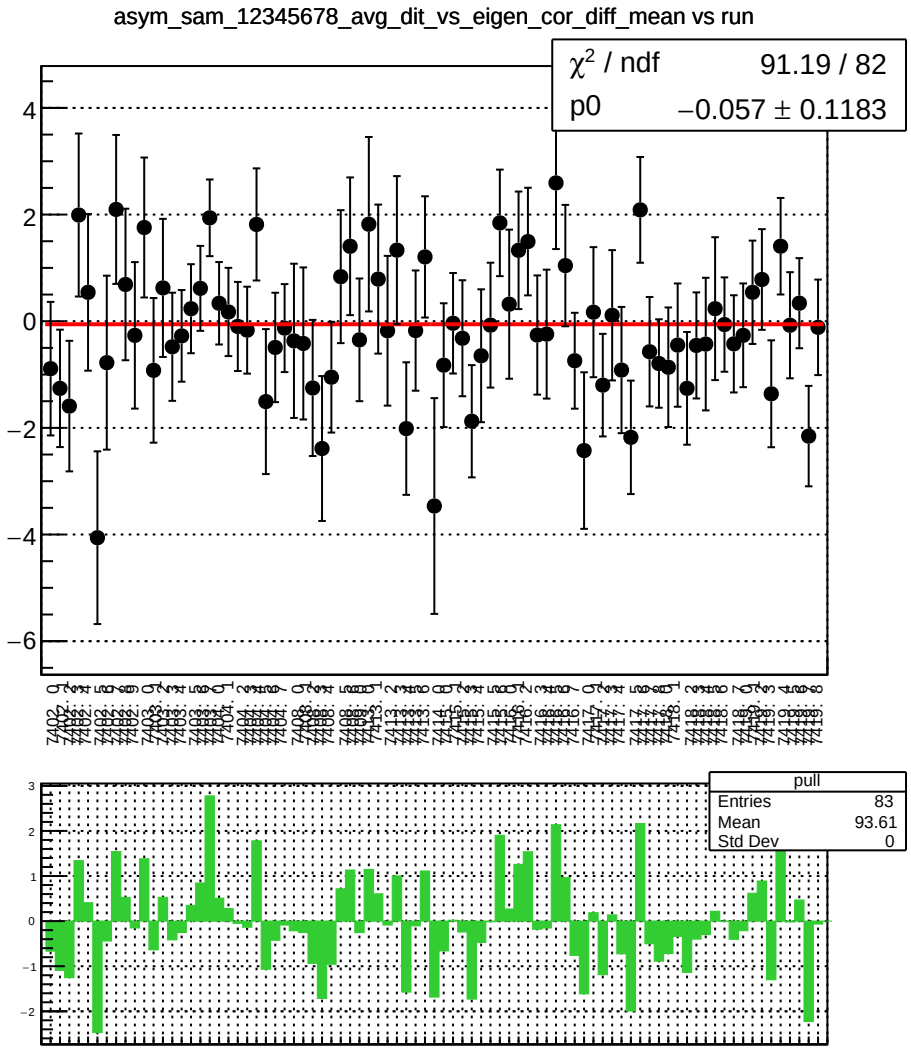

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.12 / 82
p0 3.808e−14 ± 1.81e−14
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 83
Mean −259.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01393
Std Dev 0.9385
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

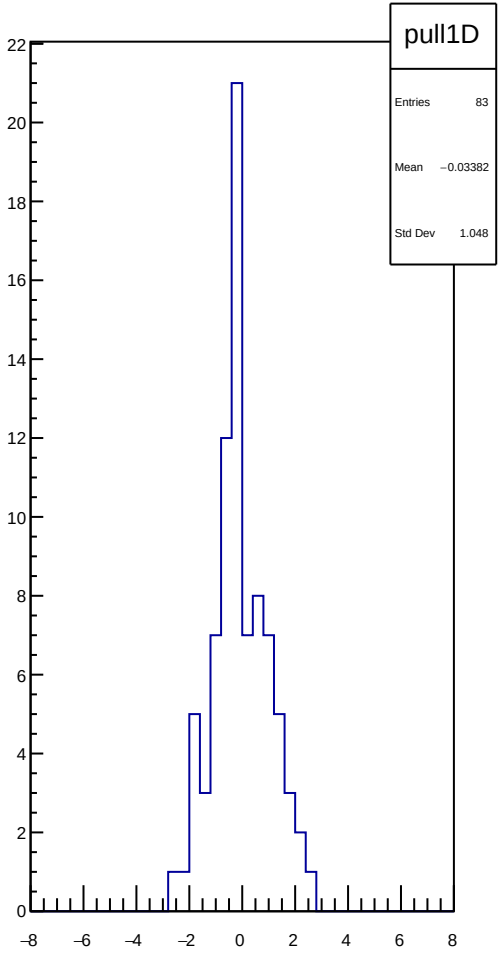

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.356e+06 / 82
p0 6.041e−12 ± 1.28e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

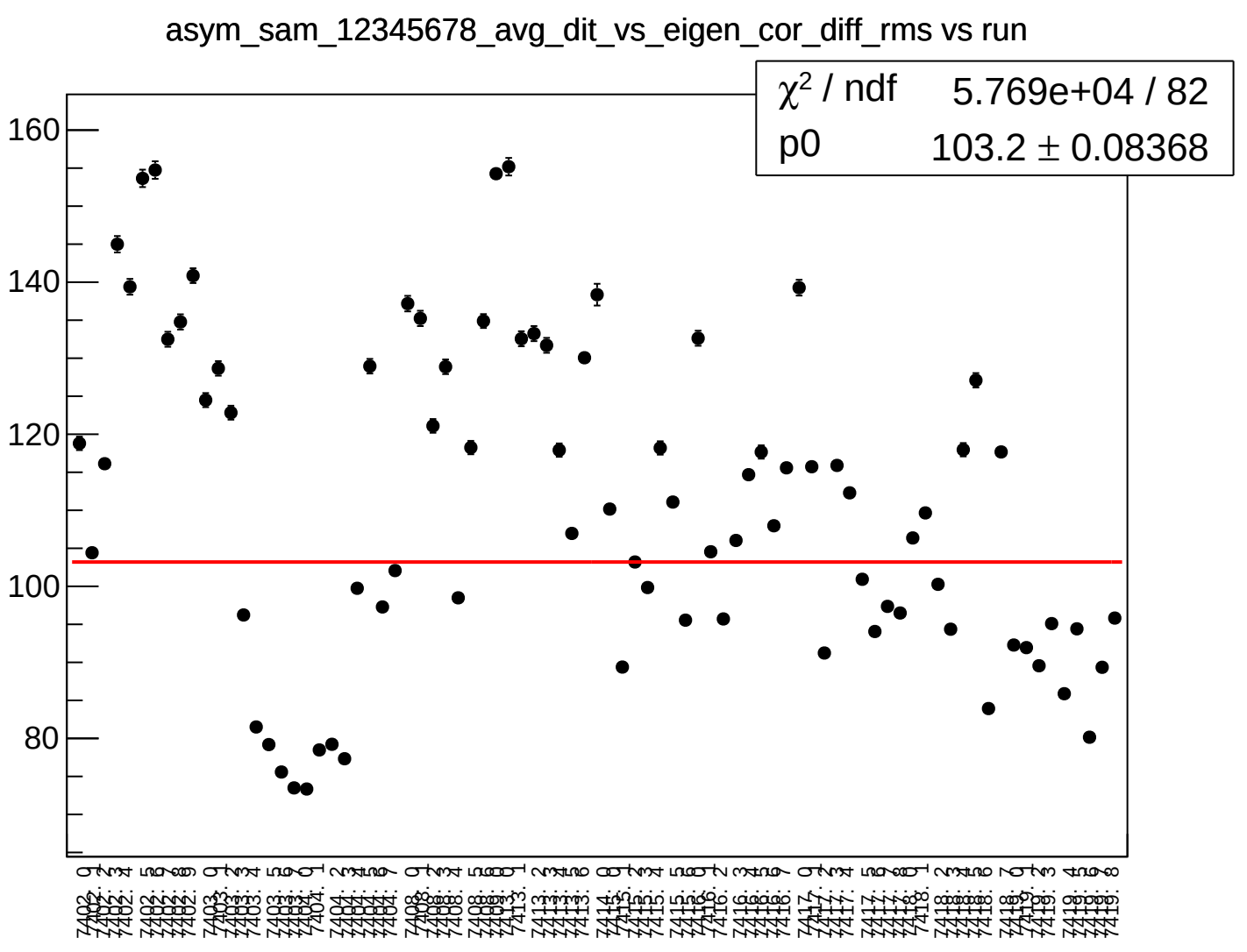

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.19 / 82
p0 −0.057 ± 0.1183
pull
Entries 83
Mean 93.61
Std Dev 0

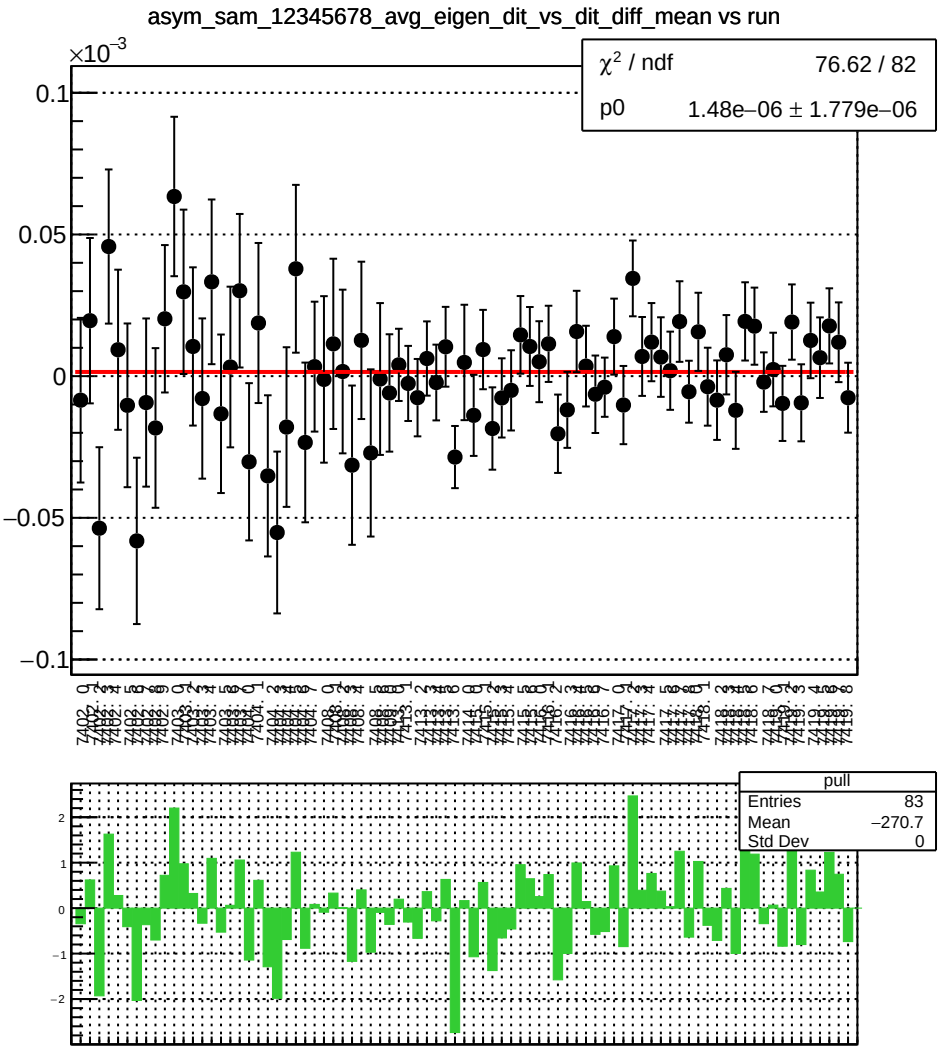

pull1D
Entries 83
Mean −0.03382
Std Dev 1.048

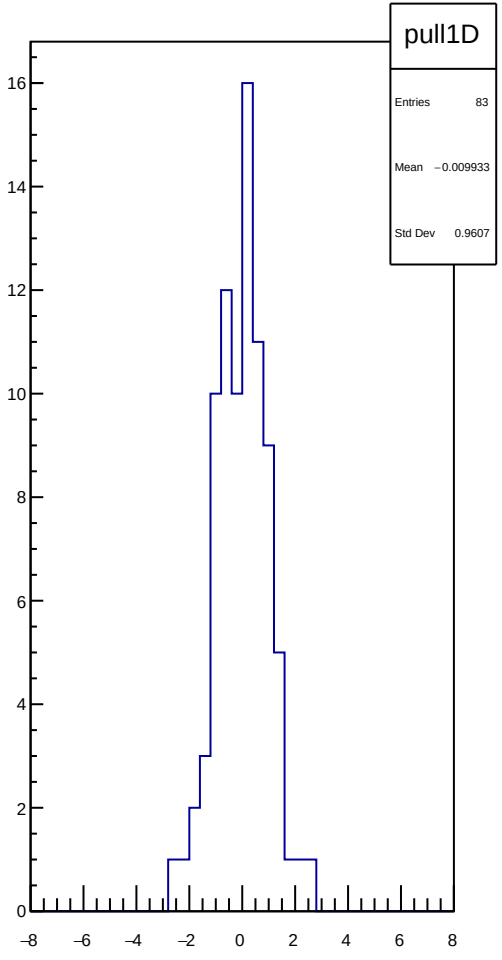

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.769e+04 / 82
p0 103.2 ± 0.08368
160
140
120
100
80

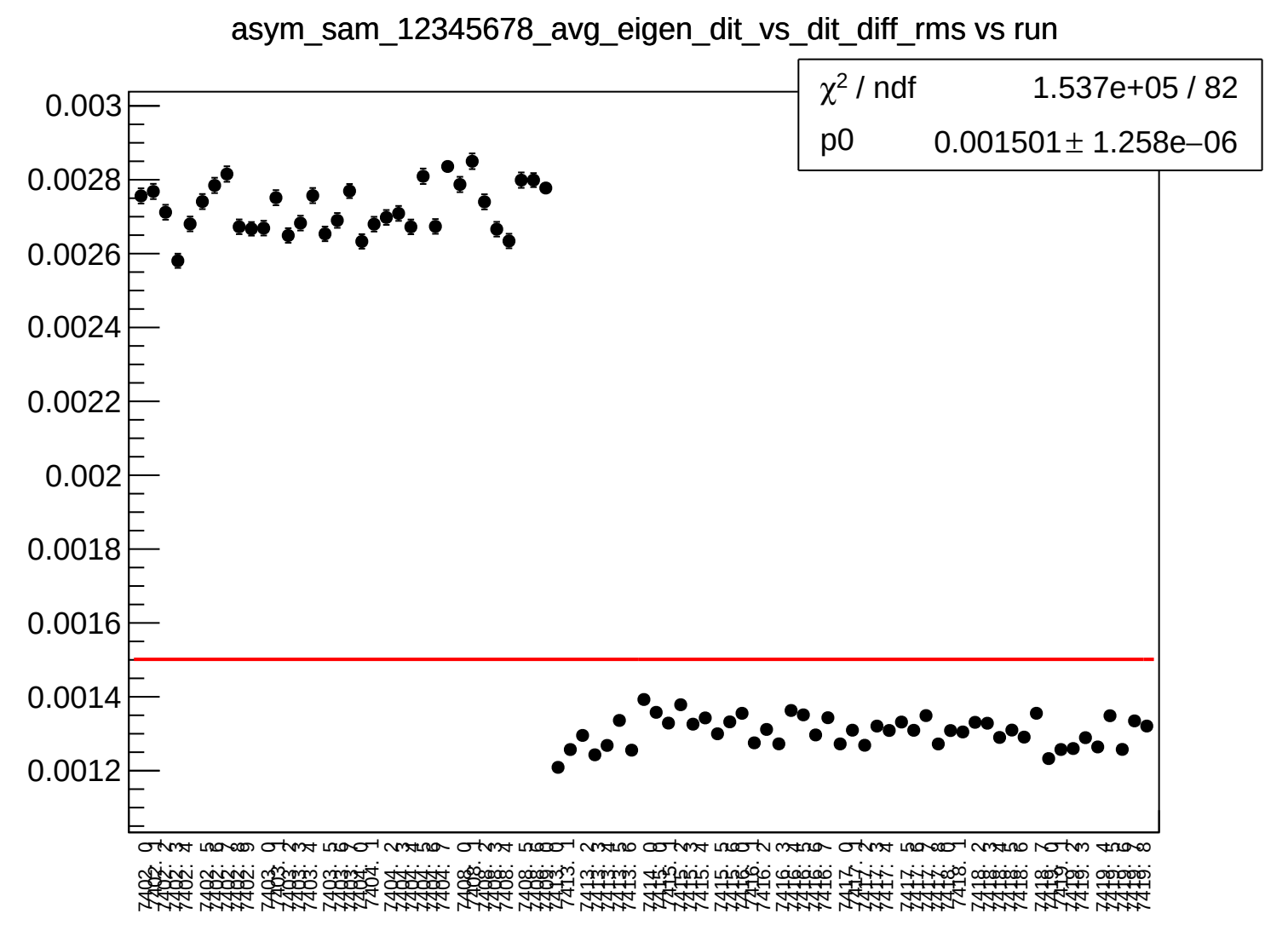

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.19 / 82
p0 −0.057 ± 0.1183
pull
Entries 83
Mean 93.61
Std Dev 0

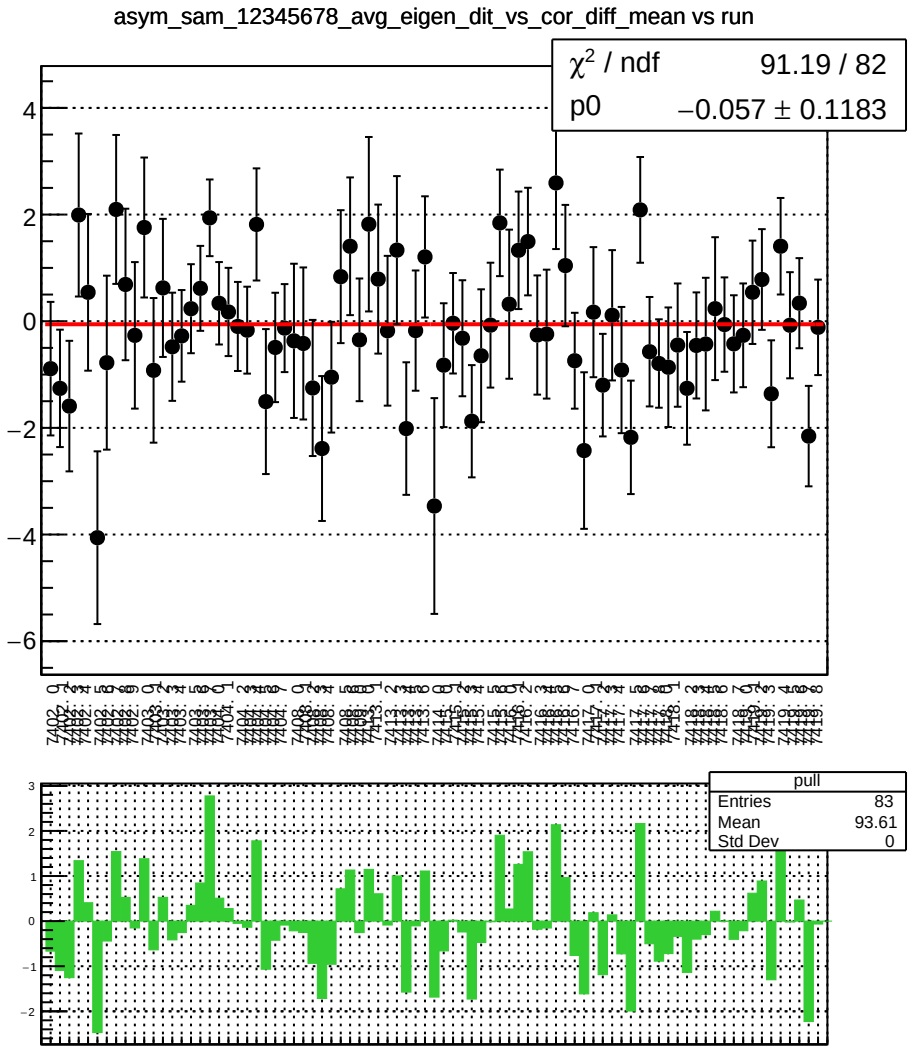

pull1D
Entries 83
Mean −0.03382
Std Dev 1.048

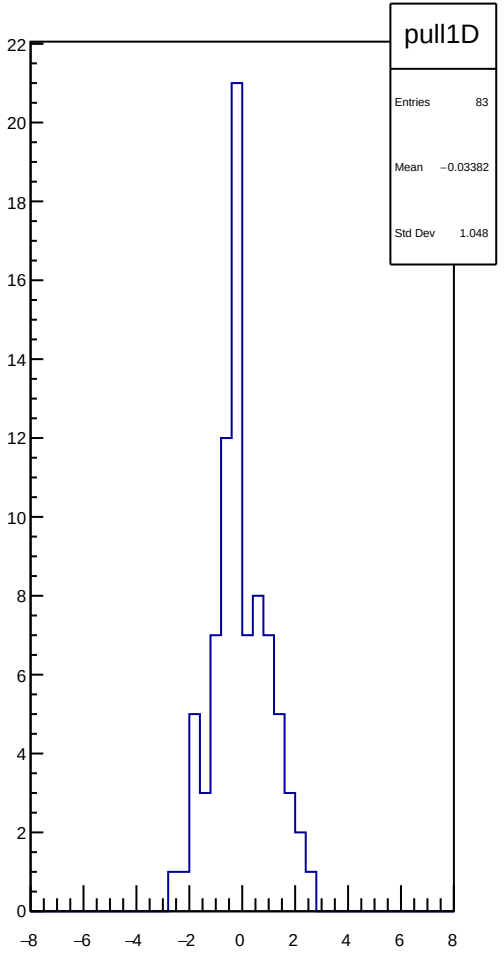

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.769e+04 / 82
p0 103.2 ± 0.08368
160
140
120
100
80

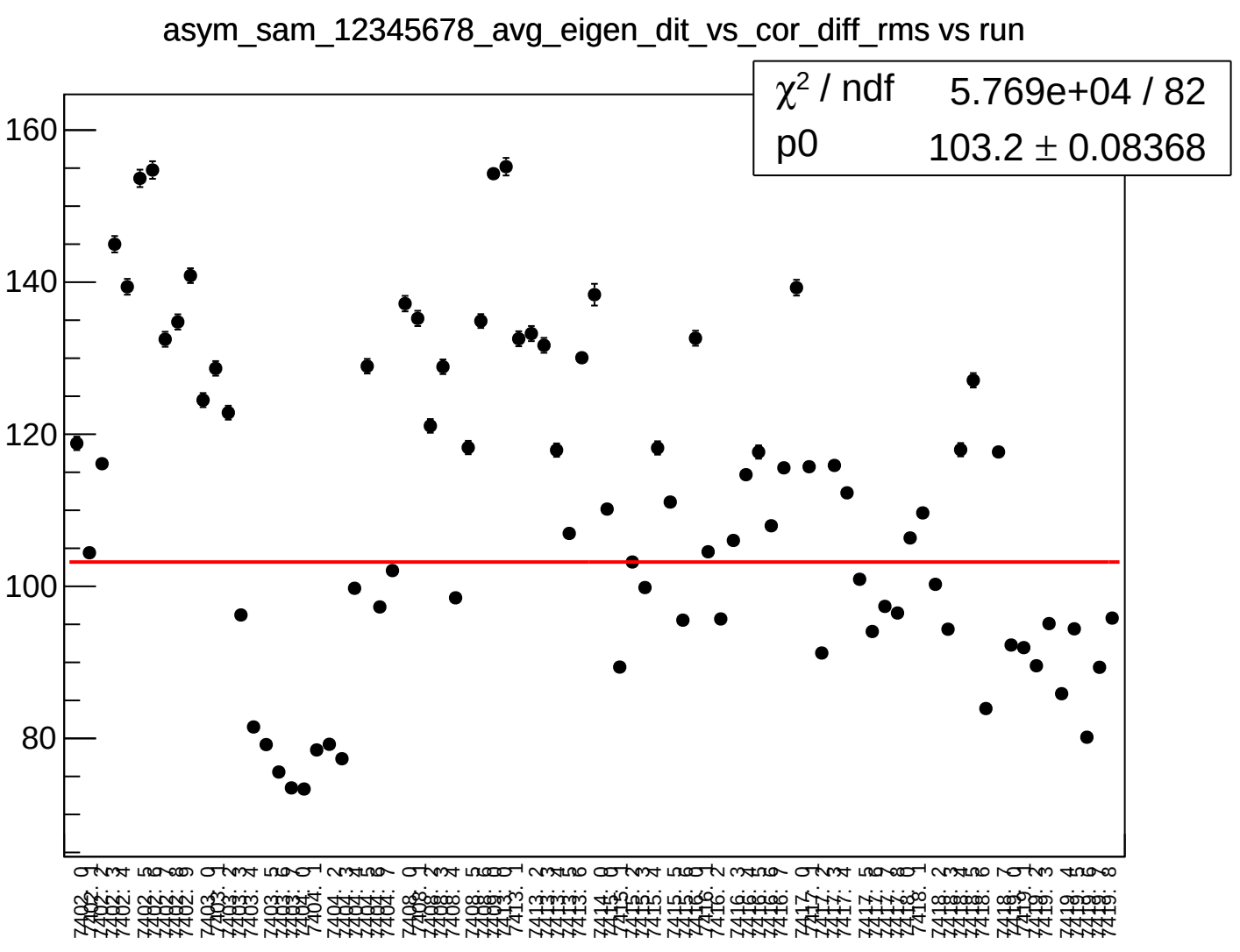

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.62 / 82
p0 1.48e−06 ± 1.779e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 83
Mean −270.7
Std Dev 0
2
1
0
−1
−2

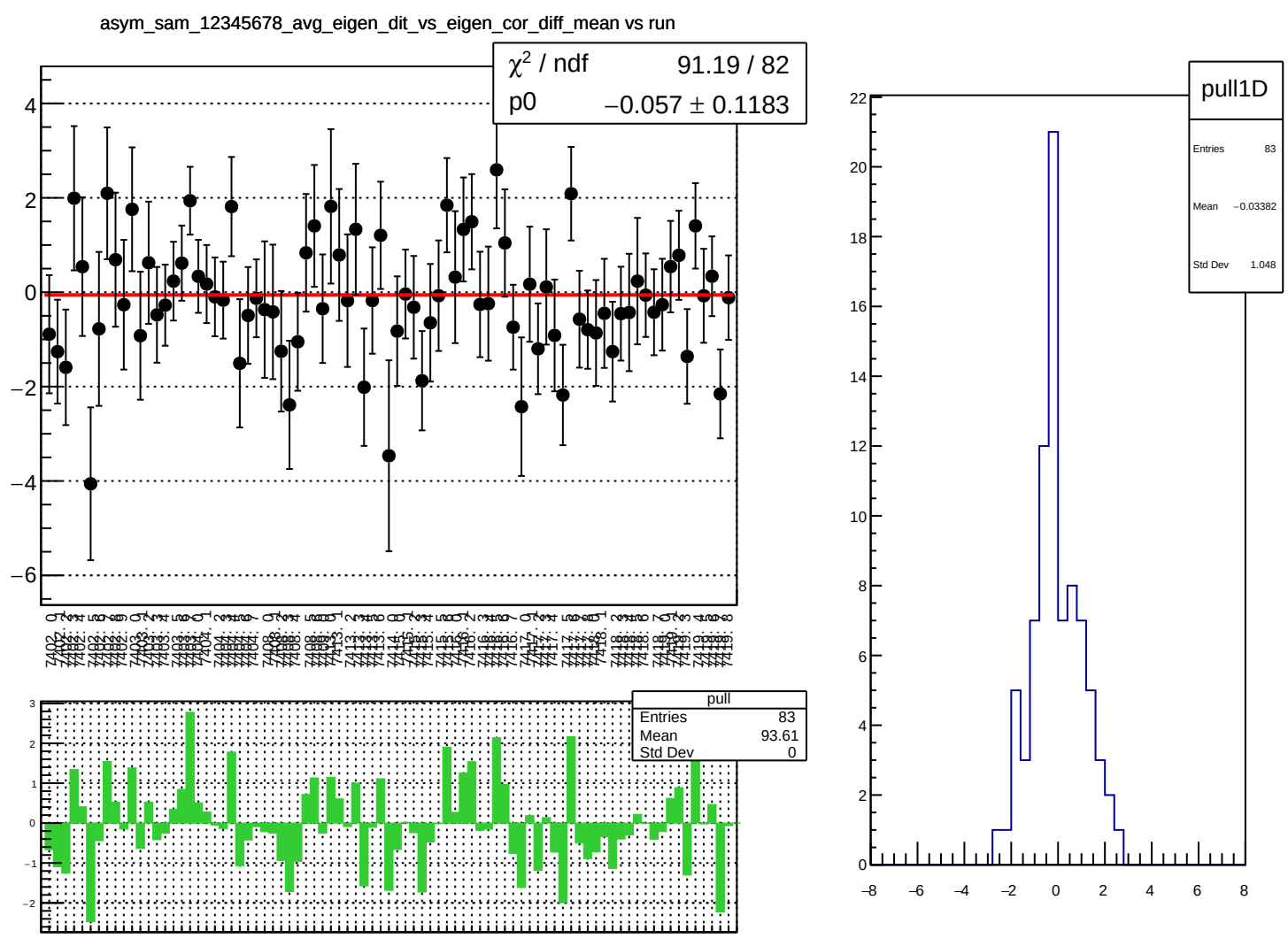

pull1D
Entries 83
Mean −0.009933
Std Dev 0.9607
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

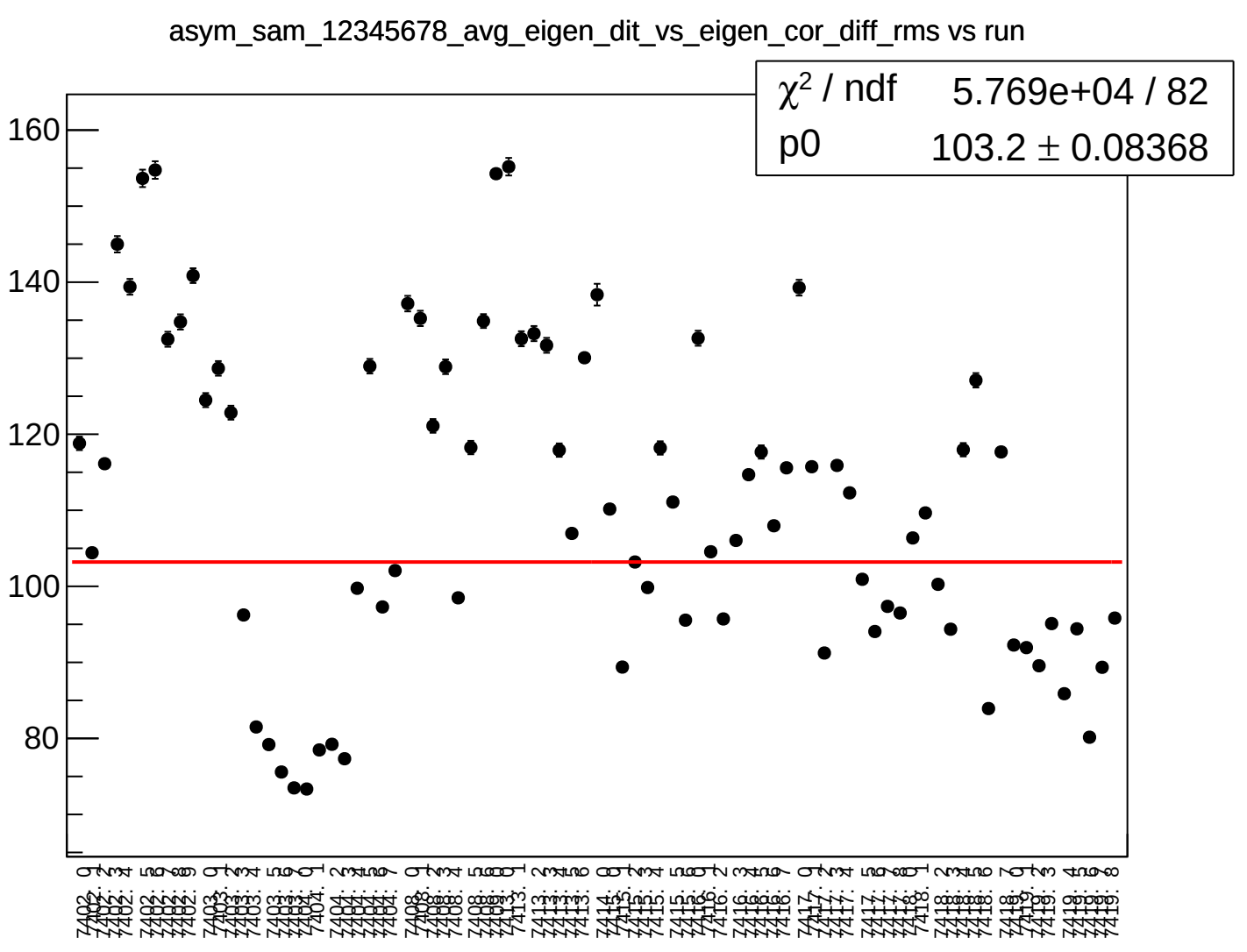

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.537e+05 / 82
p0 0.001501 ± 1.258e−06
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

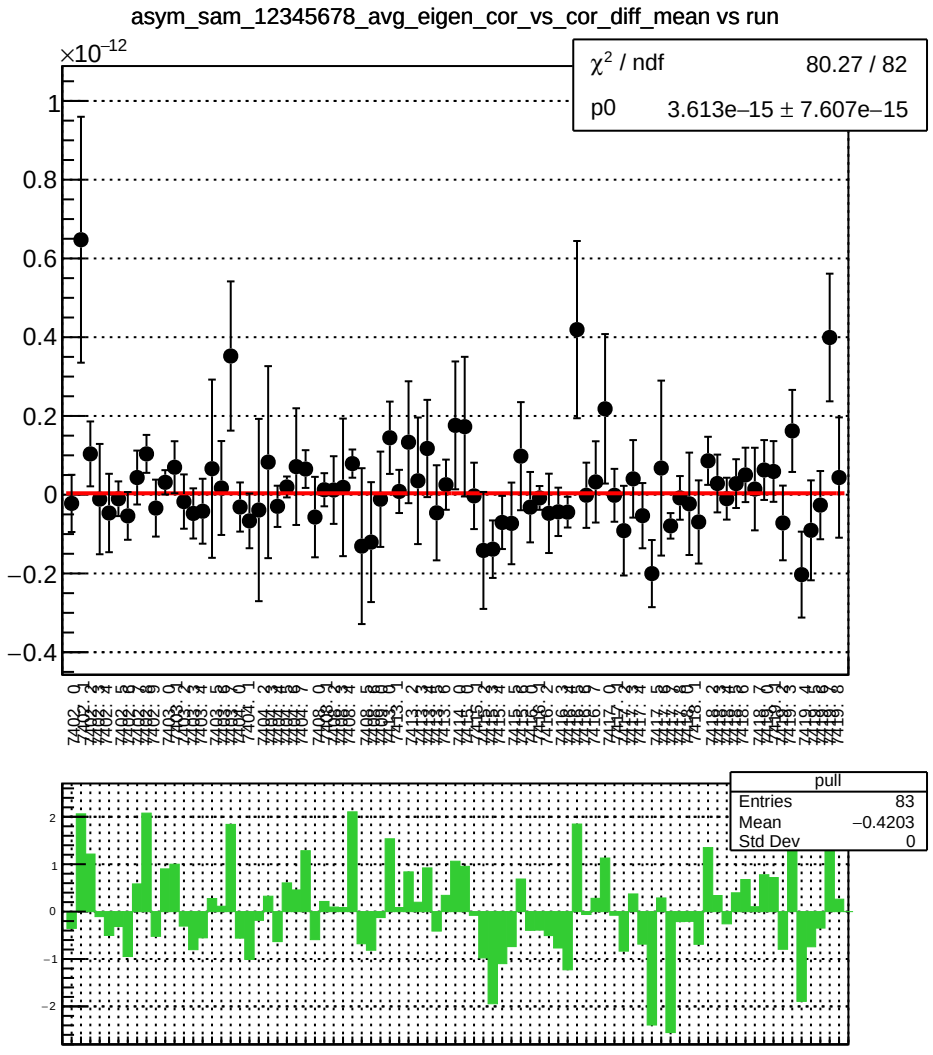

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.19 / 82
p0 −0.057 ± 0.1183
pull
Entries 83
Mean 93.61
Std Dev 0

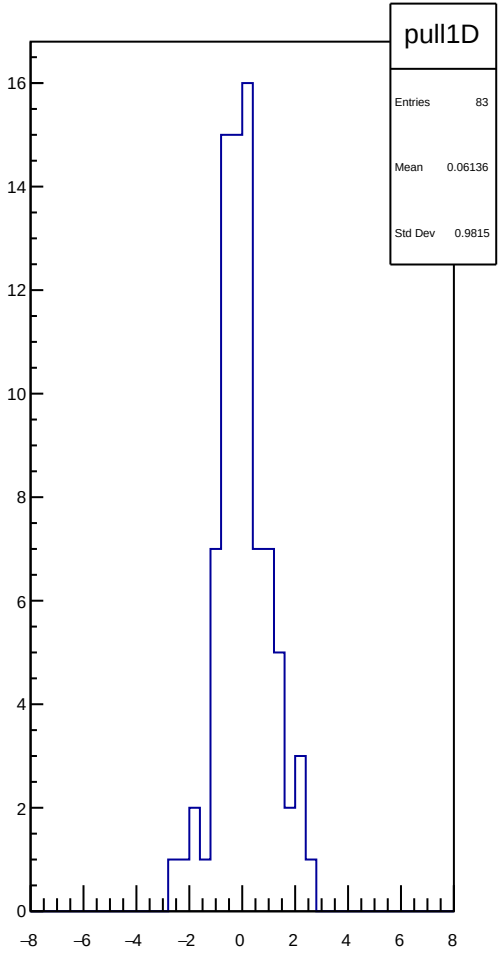

pull1D
Entries 83
Mean −0.03382
Std Dev 1.048

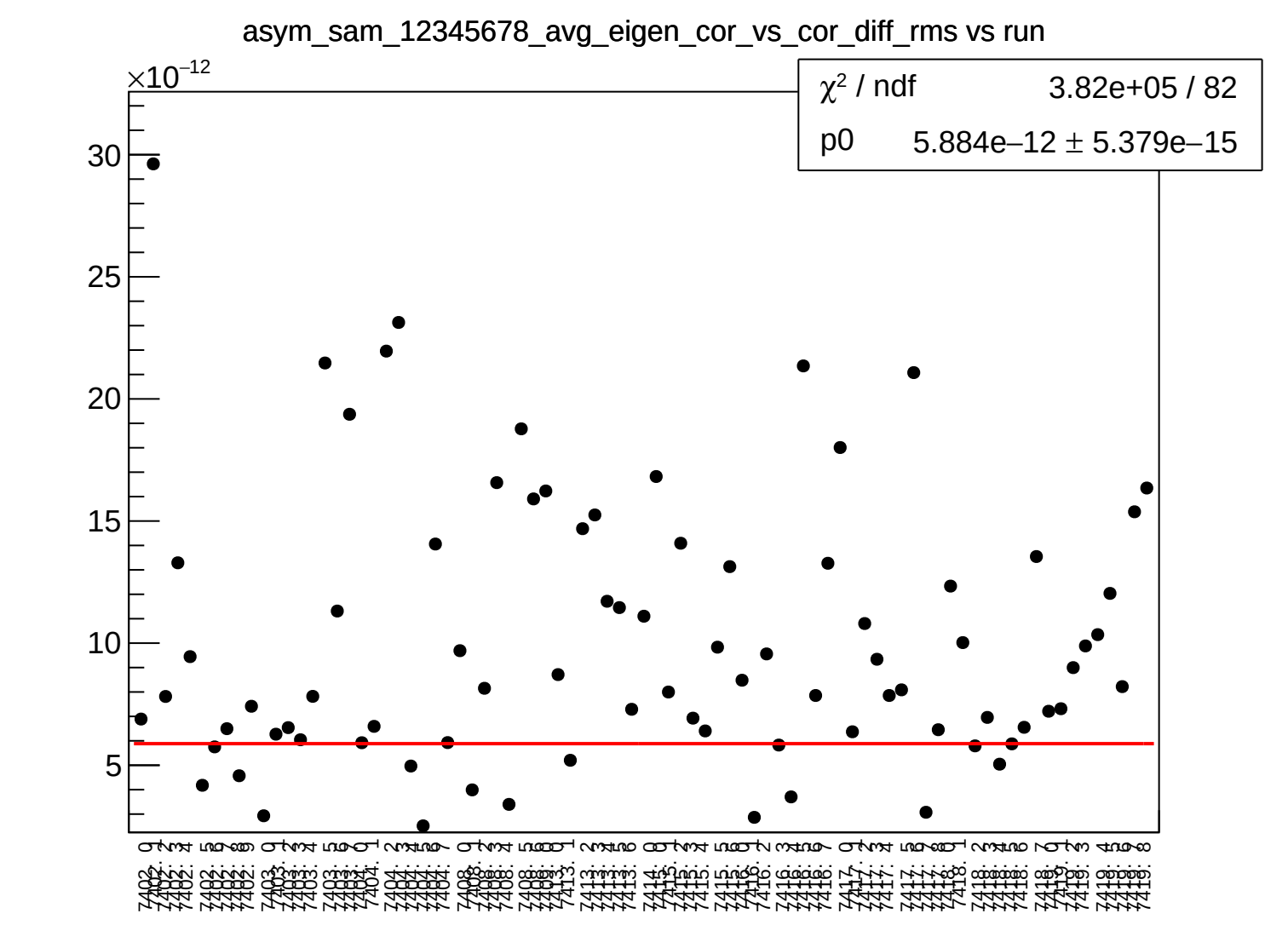

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.769e+04 / 82
p0 103.2 ± 0.08368
160
140
120
100
80

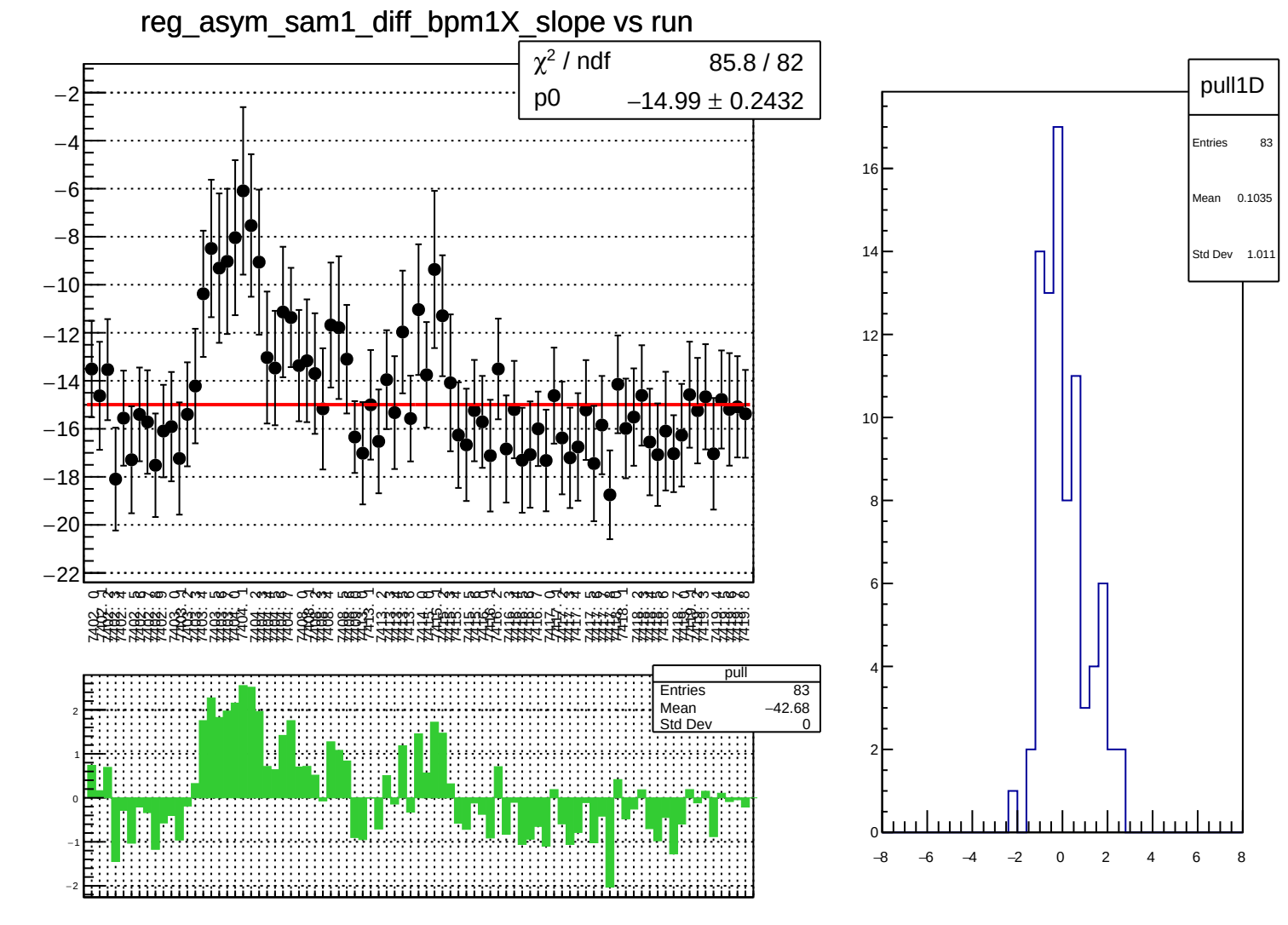

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.19 / 82
p0 −0.057 ± 0.1183
pull
Entries 83
Mean 93.61
Std Dev 0
pull1D
Entries 83
Mean −0.03382
Std Dev 1.048

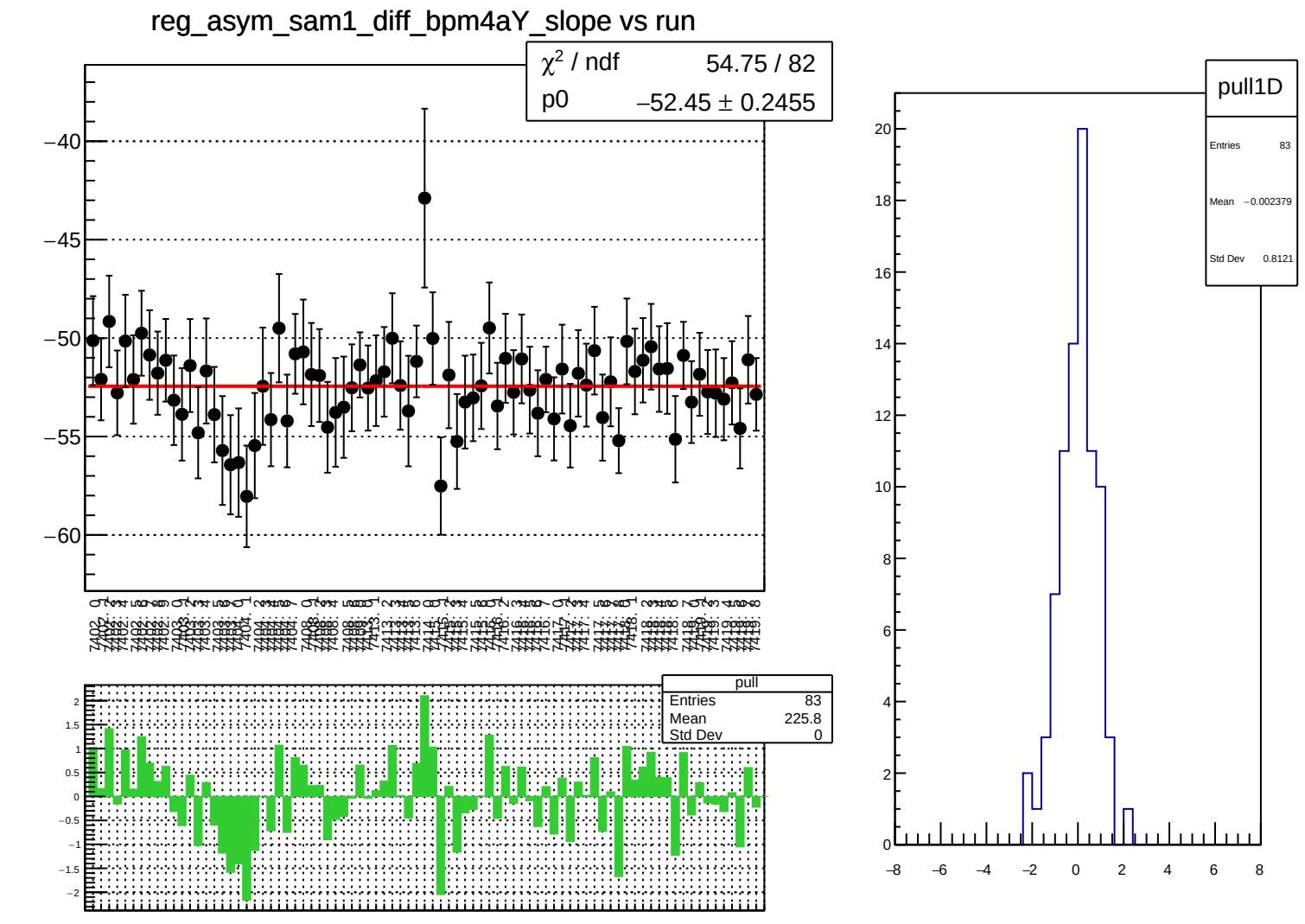

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.769e+04 / 82
p0 103.2 ± 0.08368
160
140
120
100
80

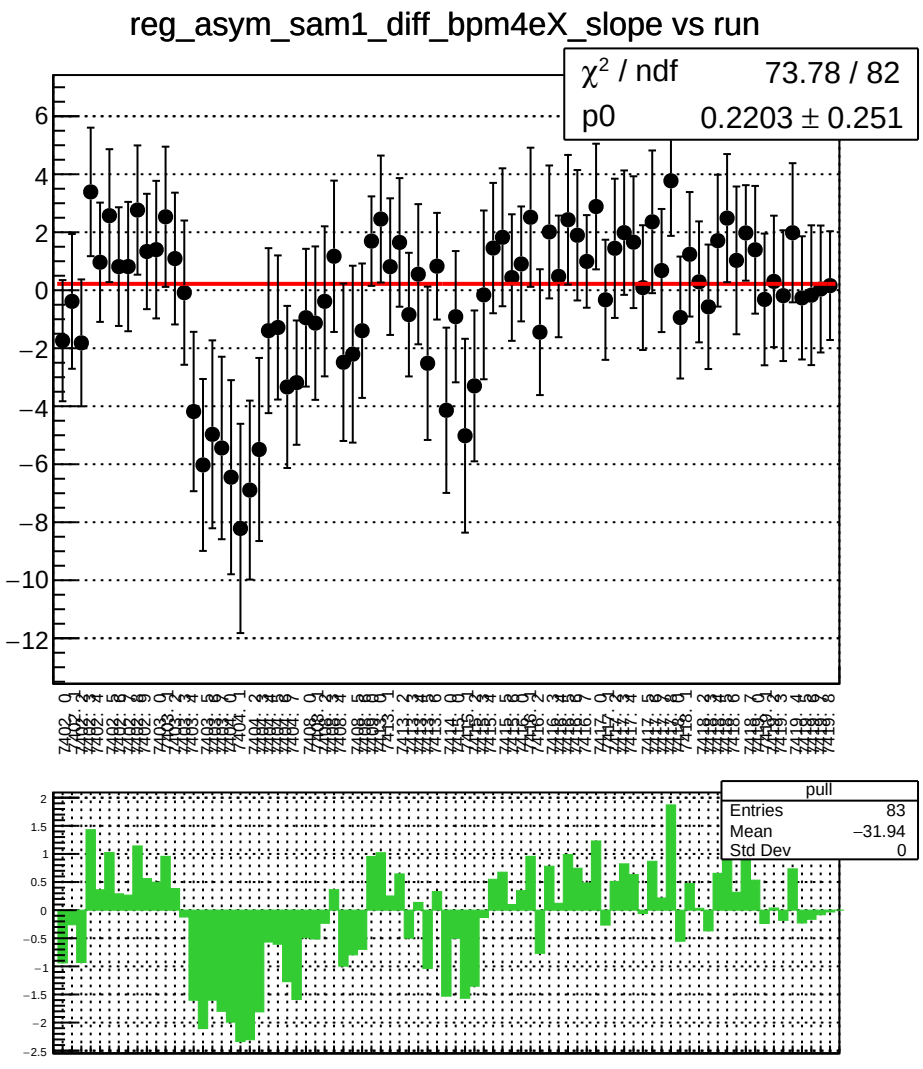

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.27 / 82
p0 3.613e−15 ± 7.607e−15
pull
Entries 83
Mean −0.4203
Std Dev 0

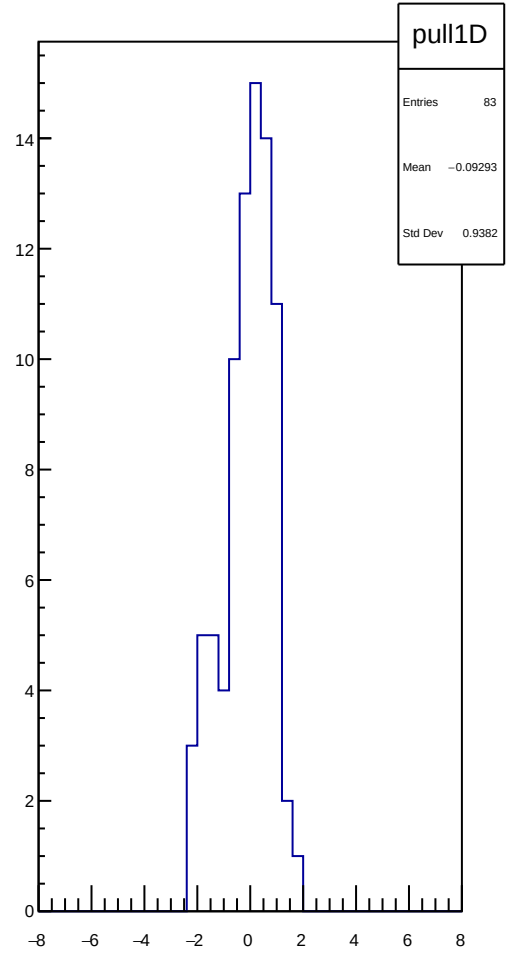

pull1D
Entries 83
Mean 0.06136
Std Dev 0.9815

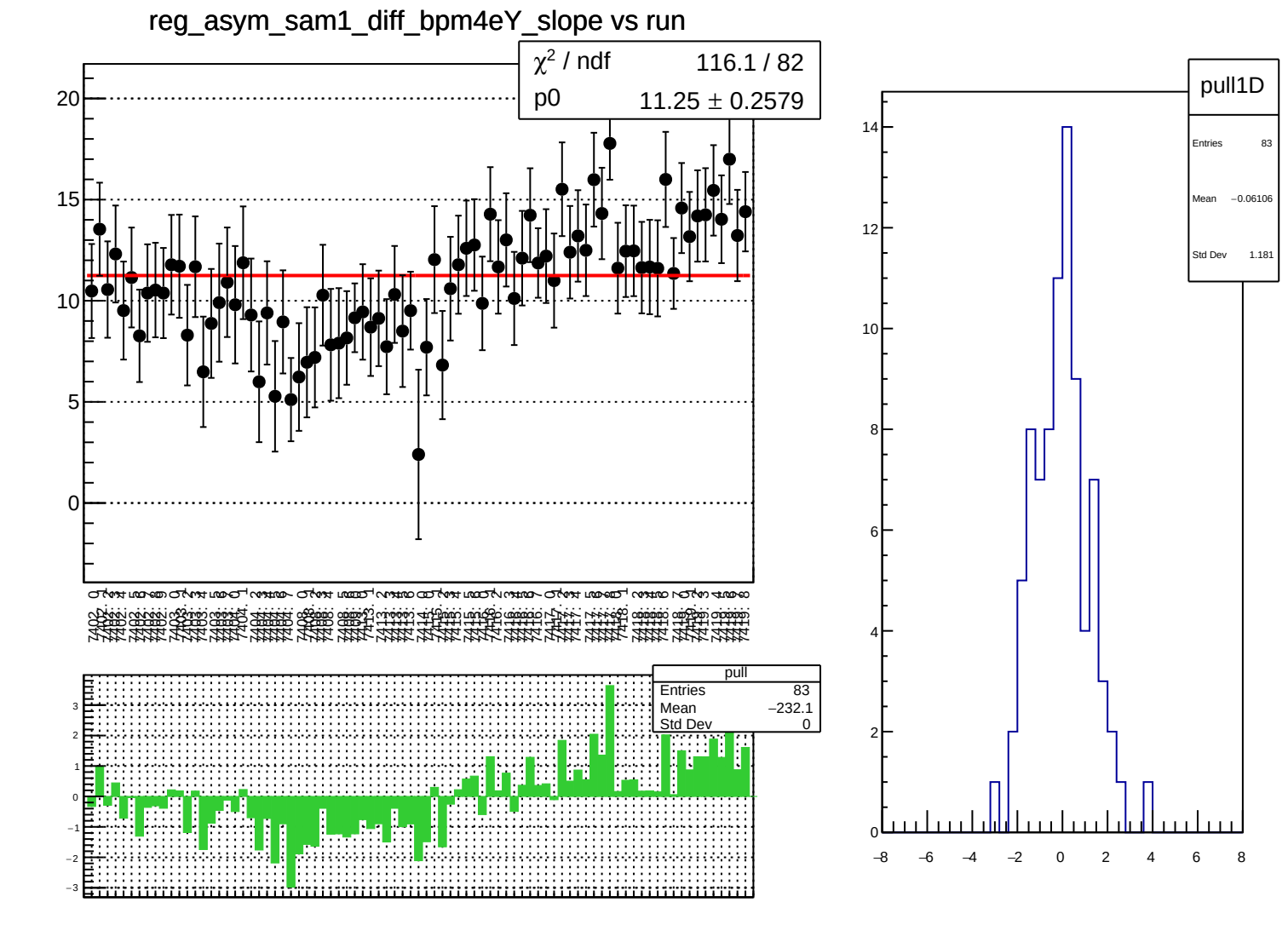

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.82e+05 / 82
p0 5.884e−12 ± 5.379e−15
30
25
20
15
10
5

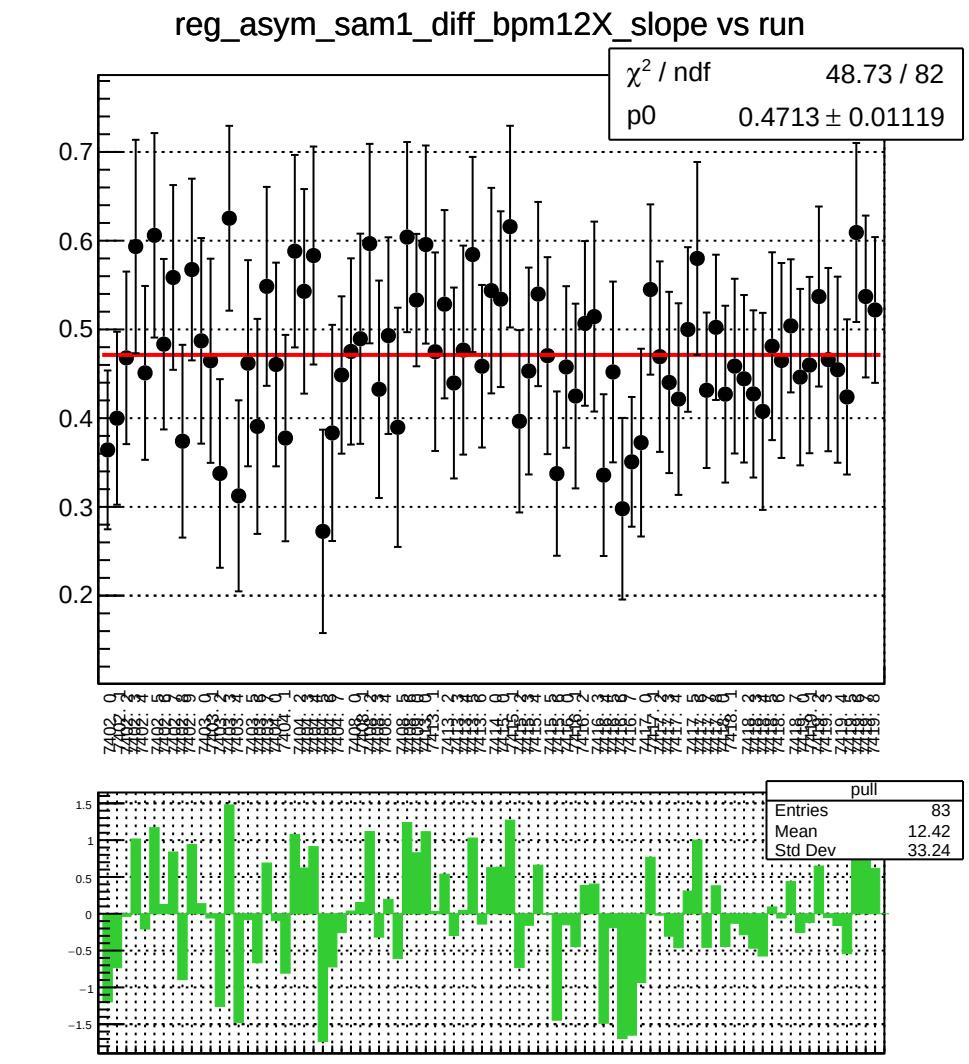

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 85.8 / 82
p0 −14.99 ± 0.2432
pull
Entries 83
Mean −42.68
Std Dev 0
pull1D
Entries 83
Mean 0.1035
Std Dev 1.011

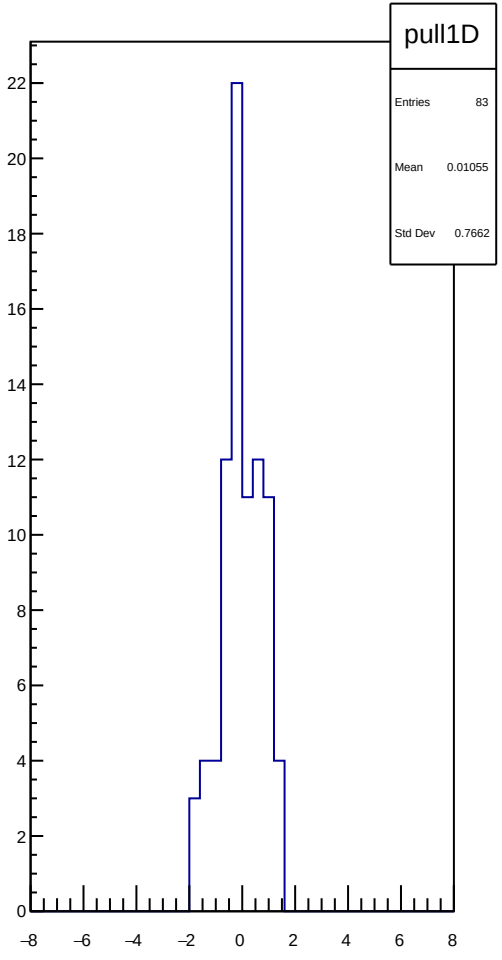

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 54.75 / 82
p0 −52.45 ± 0.2455
−40
−45
−50
−55
−60
pull
Entries 83
Mean 225.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.002379
Std Dev 0.8121
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

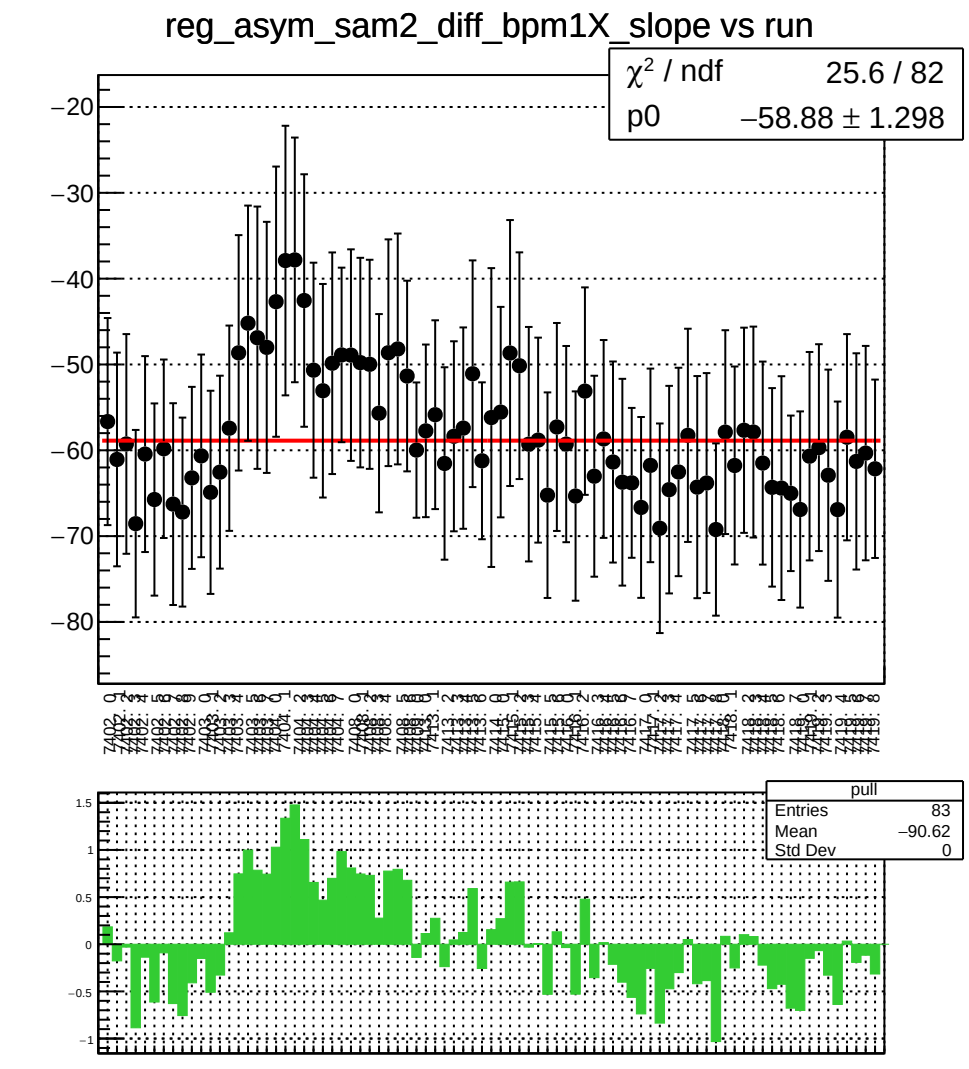

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 73.78 / 82
p0 0.2203 ± 0.251
pull
Entries 83
Mean −31.94
Std Dev 0

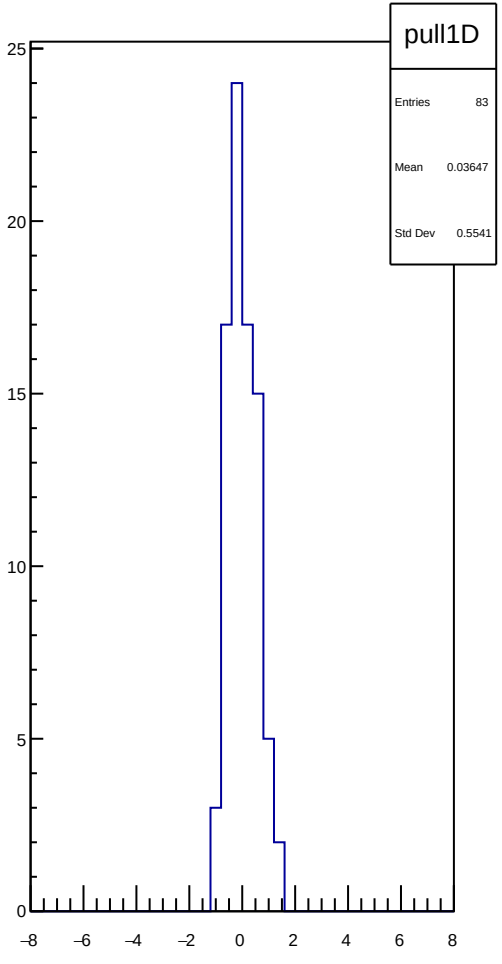

pull1D
Entries 83
Mean −0.09293
Std Dev 0.9382

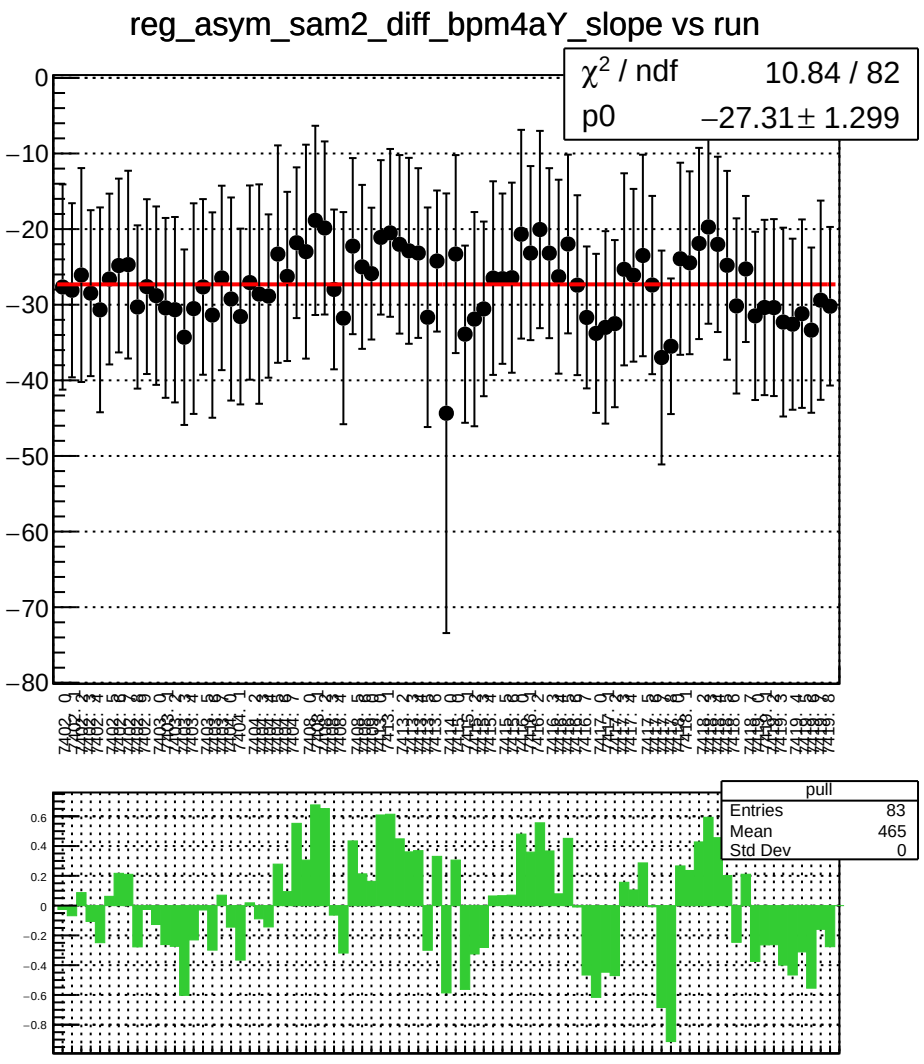

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 116.1 / 82
p0 11.25 ± 0.2579
pull
Entries 83
Mean −232.1
Std Dev 0
pull1D
Entries 83
Mean −0.06106
Std Dev 1.181

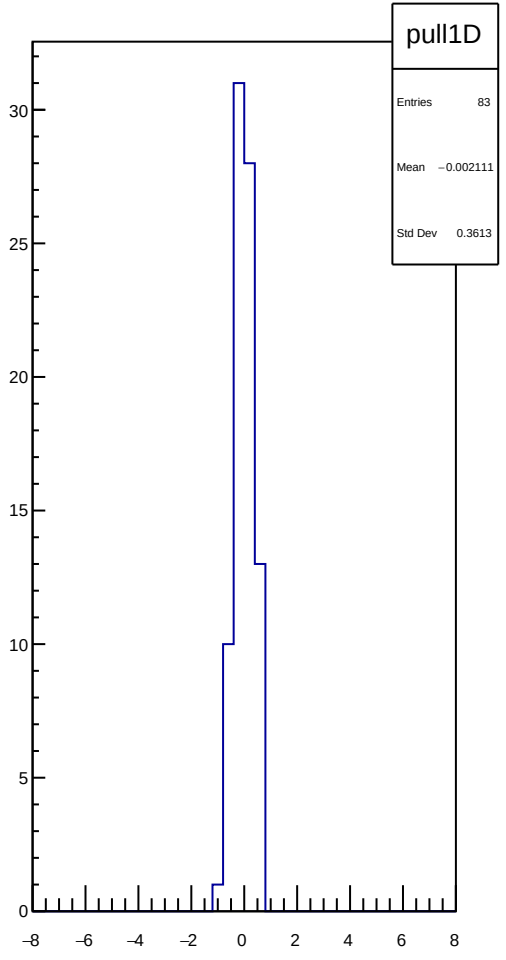

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 48.73 / 82
p0 0.4713 ± 0.01119
pull
Entries 83
Mean 12.42
Std Dev 33.24

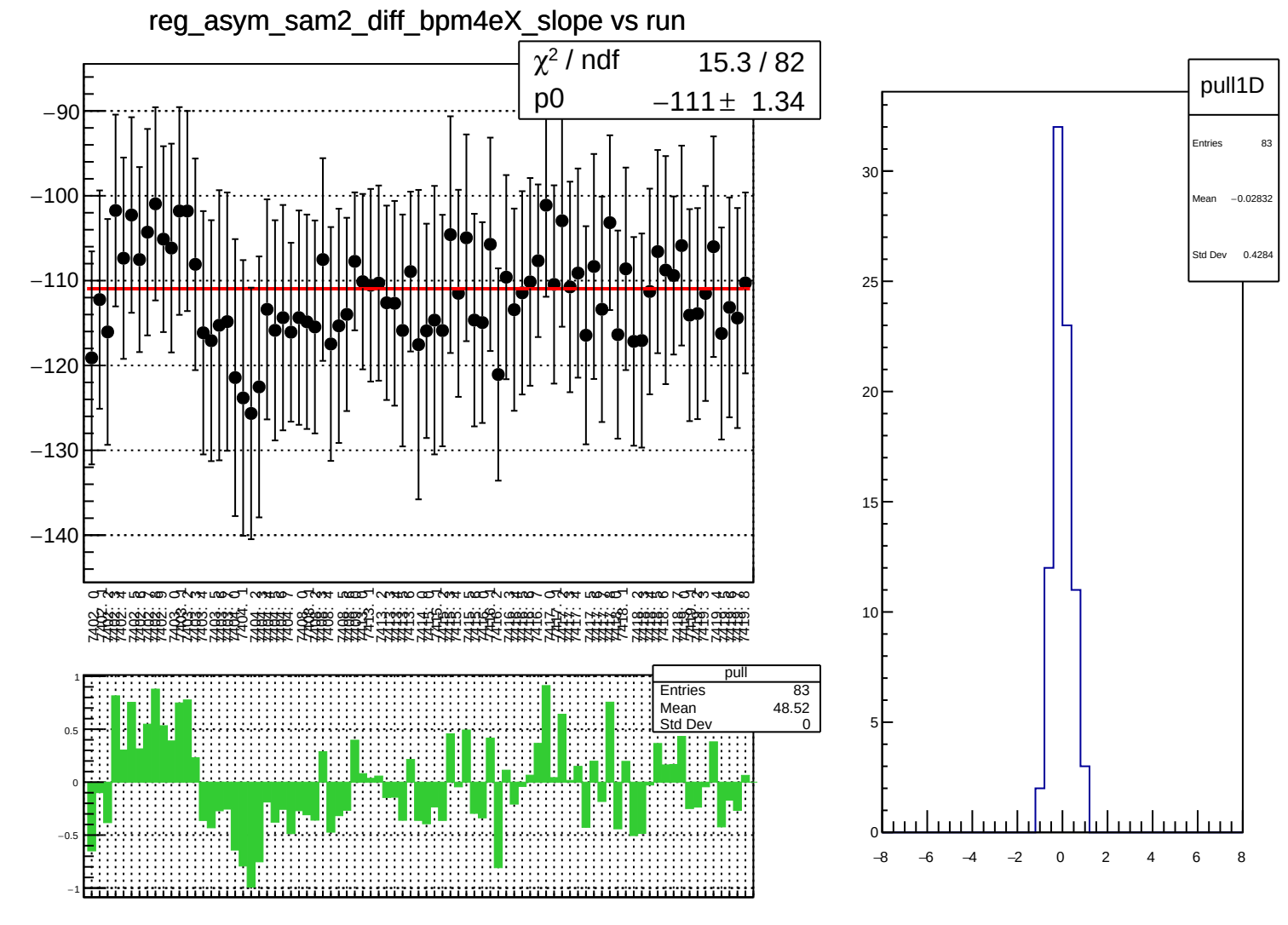

pull1D
Entries 83
Mean 0.01055
Std Dev 0.7662

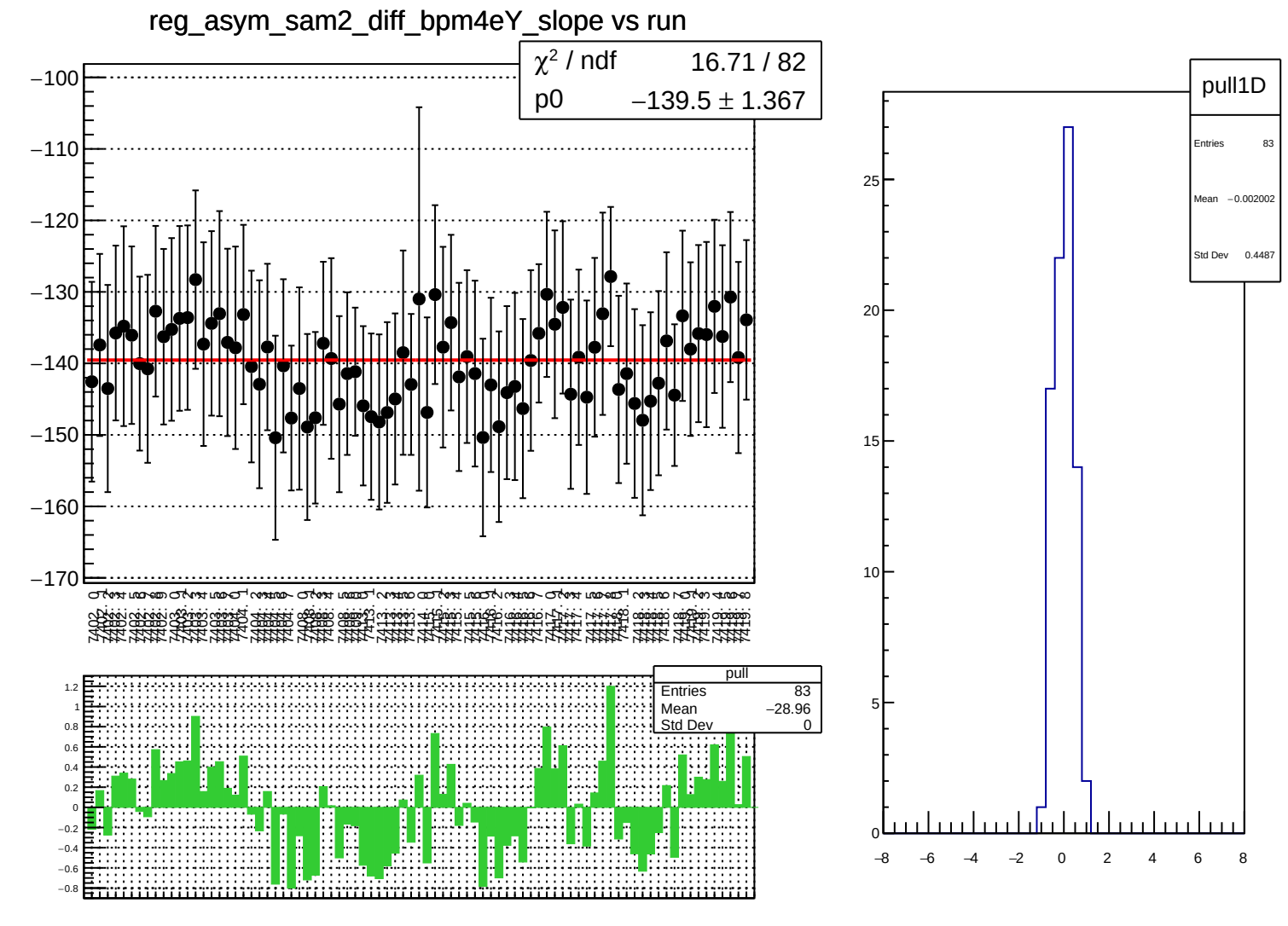

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 25.6 / 82
p0 −58.88 ± 1.298
pull
Entries 83
Mean −90.62
Std Dev 0

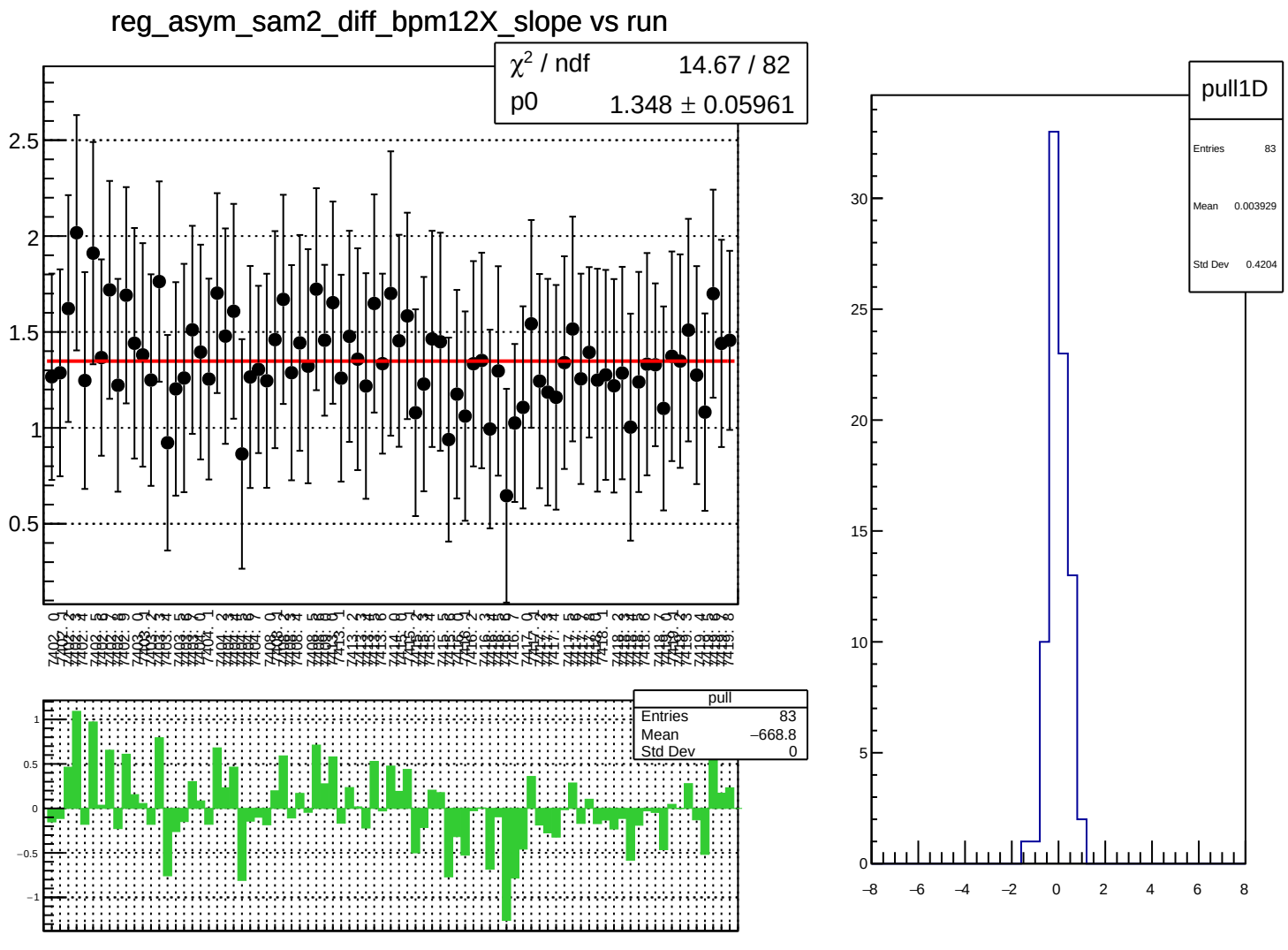

pull1D
Entries 83
Mean 0.03647
Std Dev 0.5541

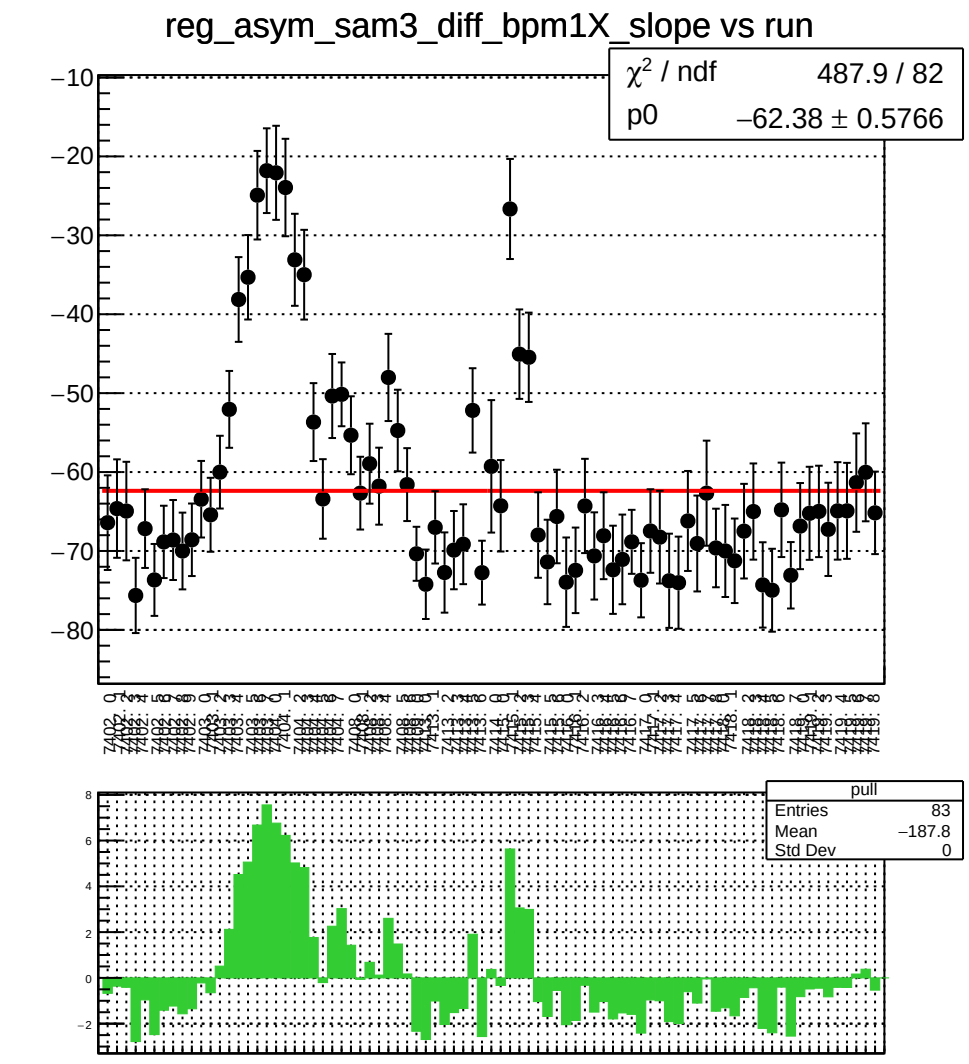

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 10.84 / 82
p0 −27.31 ± 1.299
pull
Entries 83
Mean 465
Std Dev 0

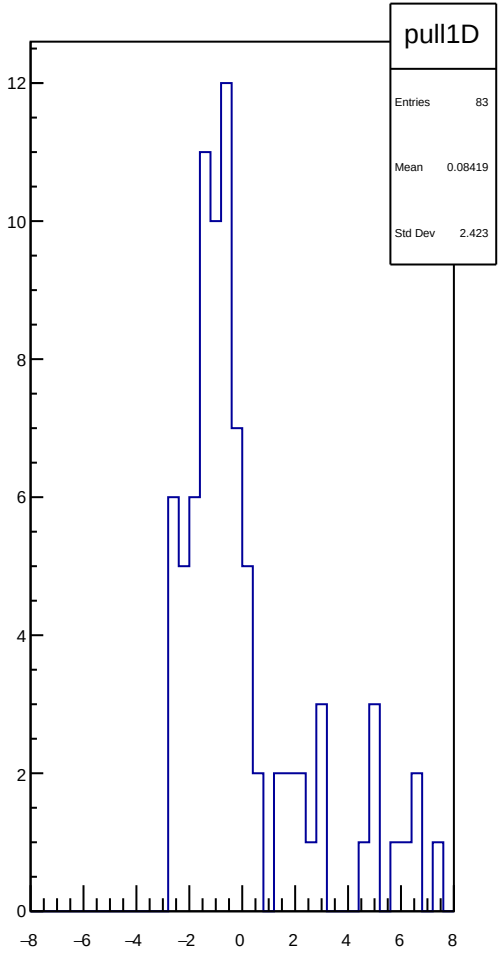

pull1D
Entries 83
Mean −0.002111
Std Dev 0.3613

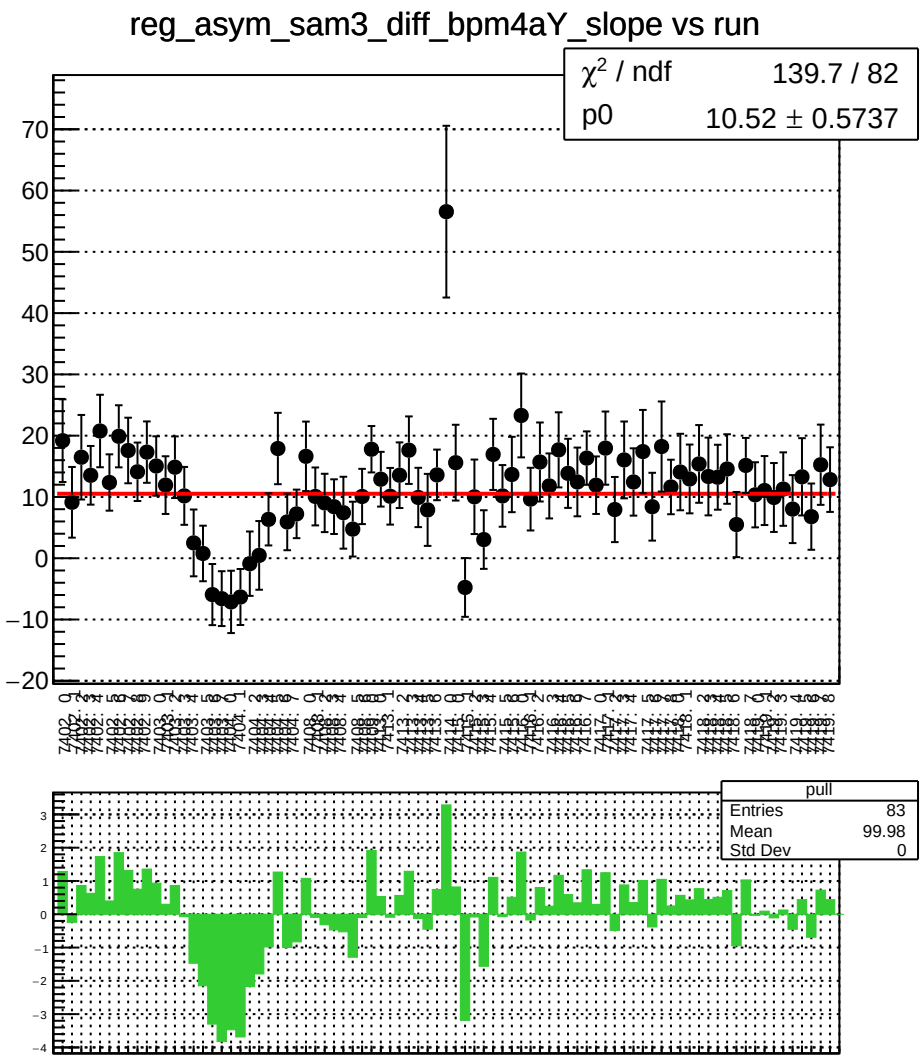

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.3 / 82
p0 −111 ± 1.34
−90
−100
−110
−120
−130
−140
pull
Entries 83
Mean 48.52
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 83
Mean −0.02832
Std Dev 0.4284
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

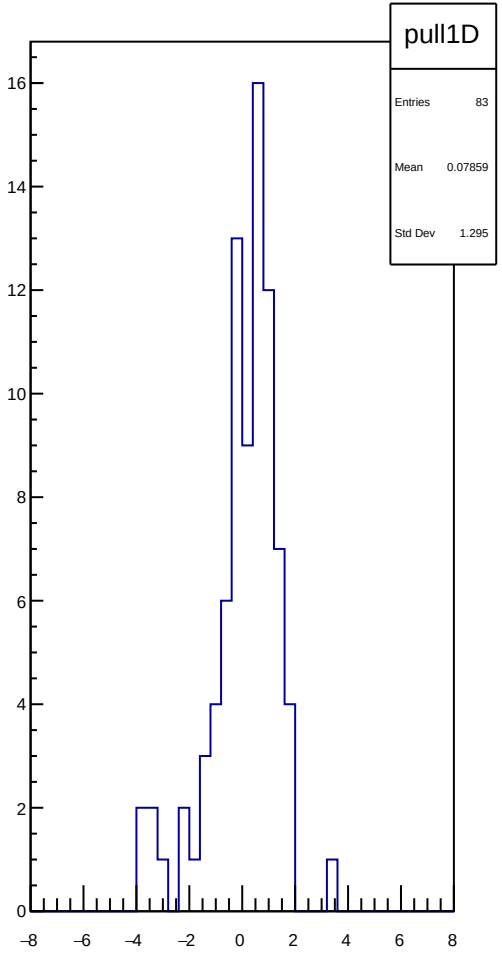

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 16.71 / 82
p0 −139.5 ± 1.367
pull
Entries 83
Mean −28.96
Std Dev 0
pull1D
Entries 83
Mean −0.002002
Std Dev 0.4487

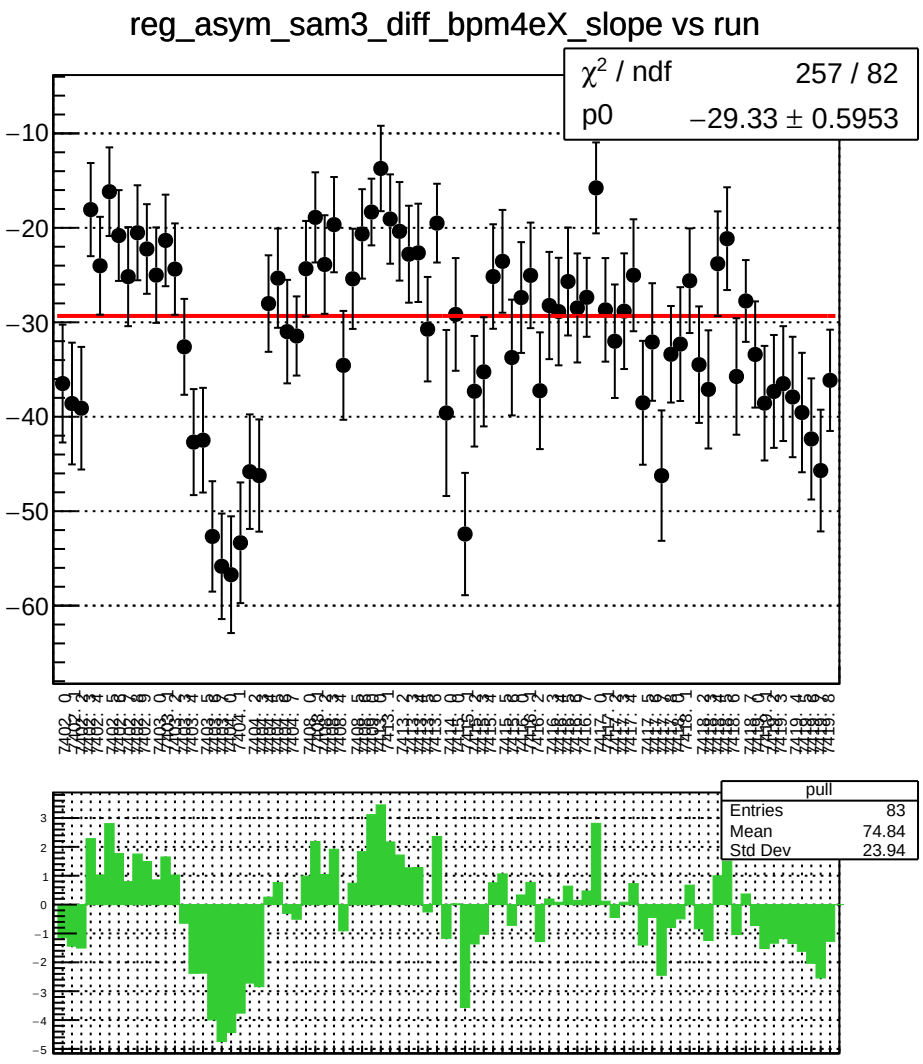

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 14.67 / 82
p0 1.348 ± 0.05961
2.5
2
1.5
1
0.5
pull
Entries 83
Mean −668.8
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 83
Mean 0.003929
Std Dev 0.4204
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

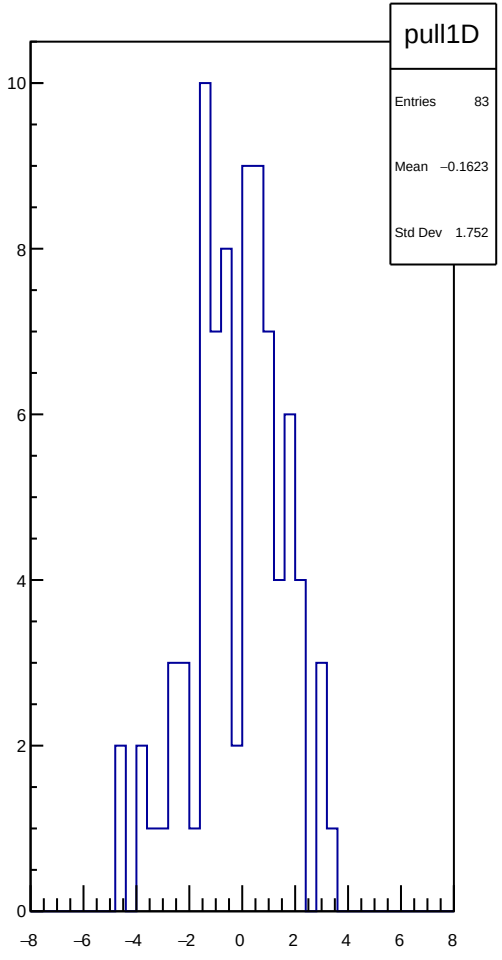

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 487.9 / 82
p0 −62.38 ± 0.5766
pull
Entries 83
Mean −187.8
Std Dev 0

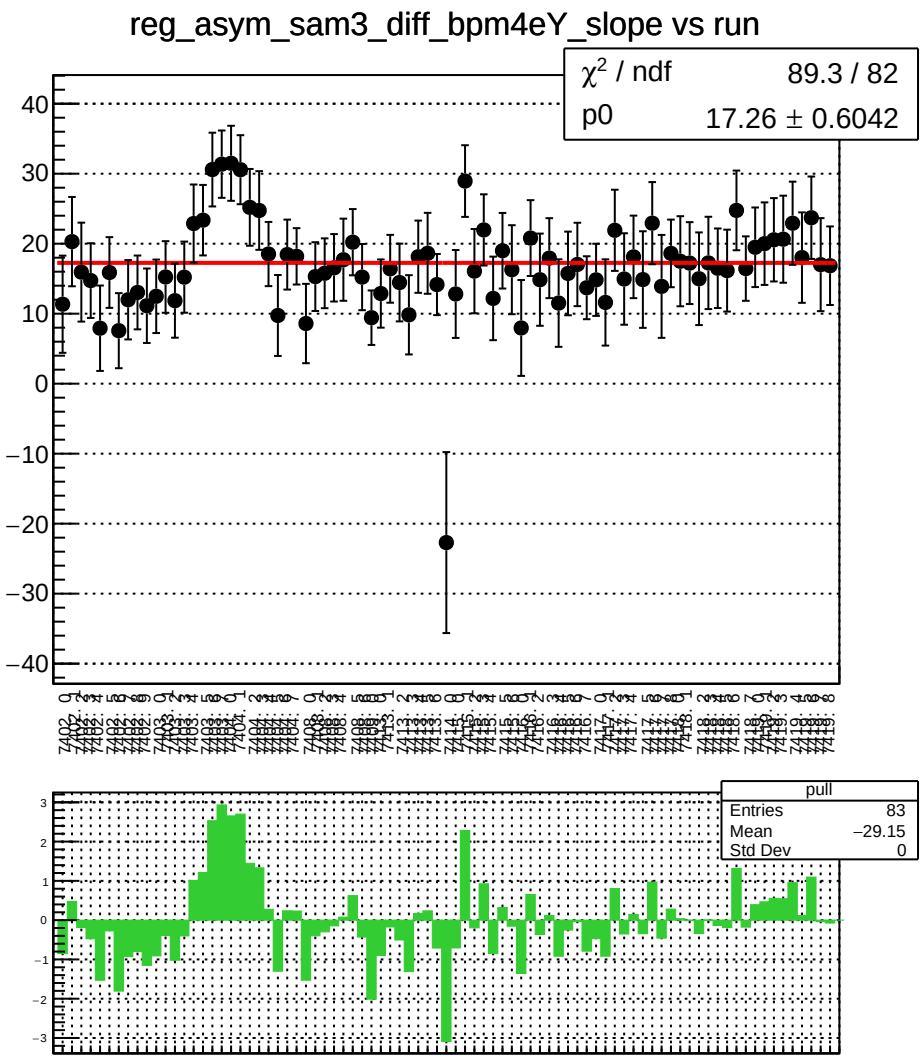

pull1D
Entries 83
Mean 0.08419
Std Dev 2.423

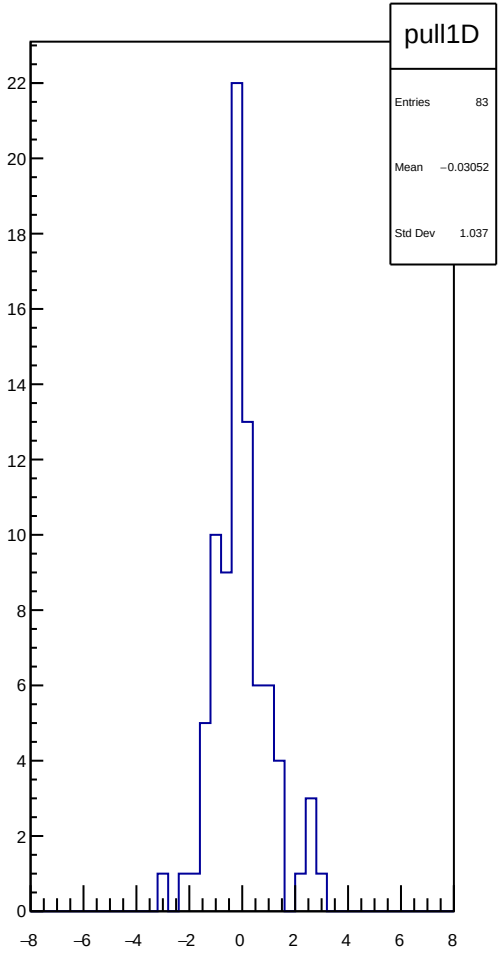

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 139.7 / 82
p0 10.52 ± 0.5737
pull
Entries 83
Mean 99.98
Std Dev 0

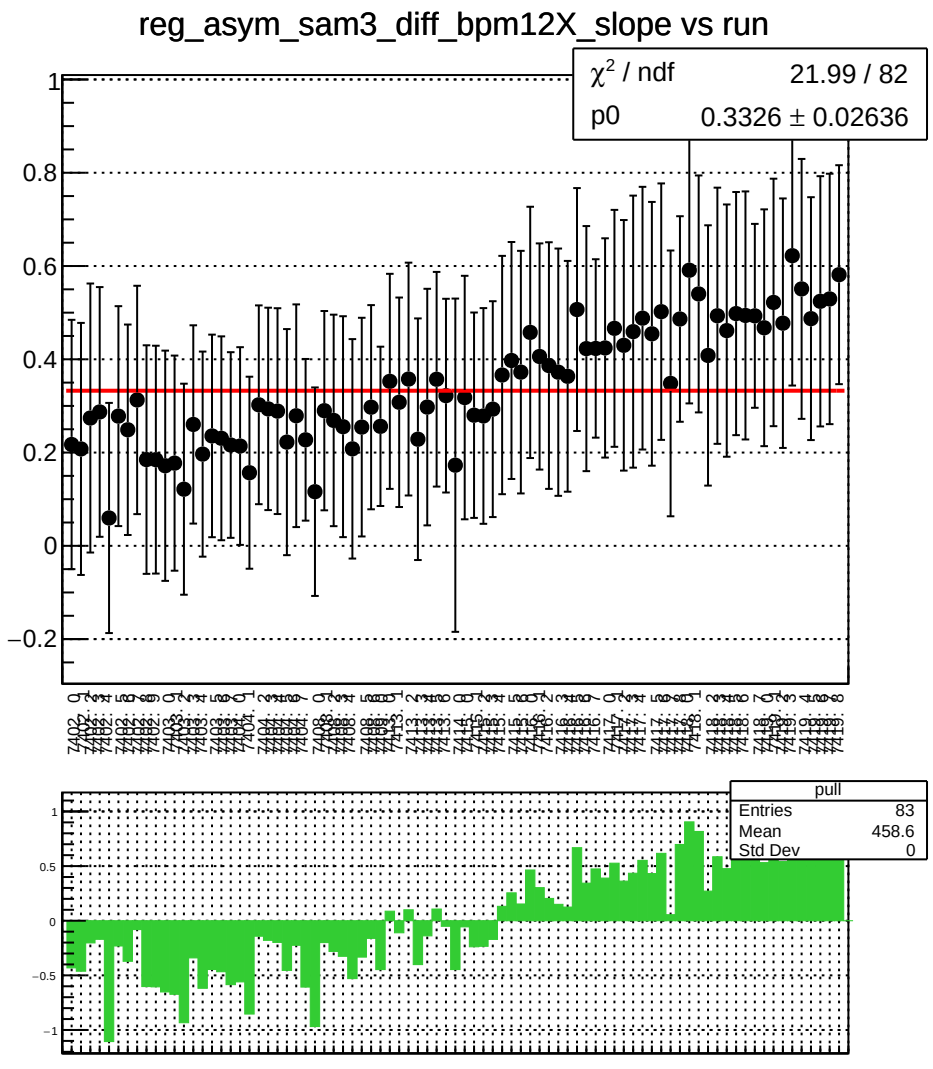

pull1D
Entries 83
Mean 0.07859
Std Dev 1.295

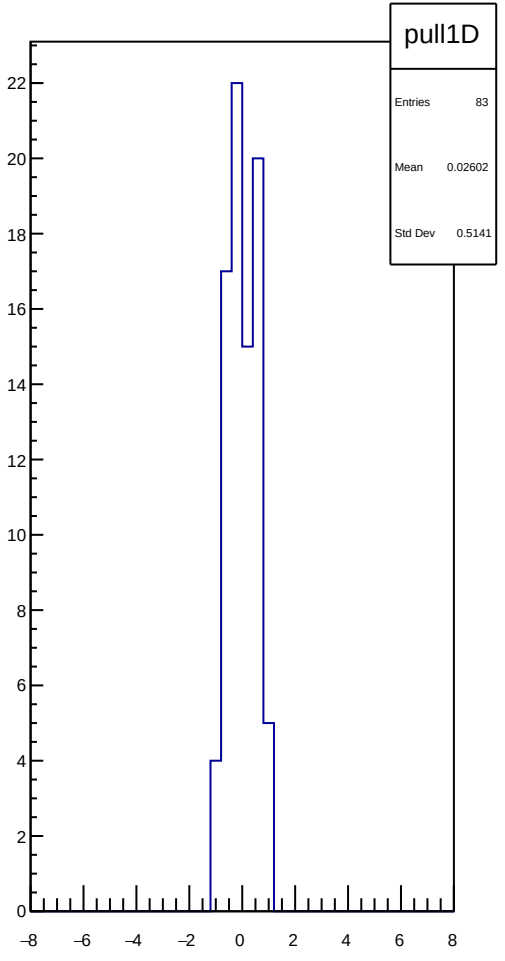

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 257 / 82
p0 −29.33 ± 0.5953
pull
Entries 83
Mean 74.84
Std Dev 23.94

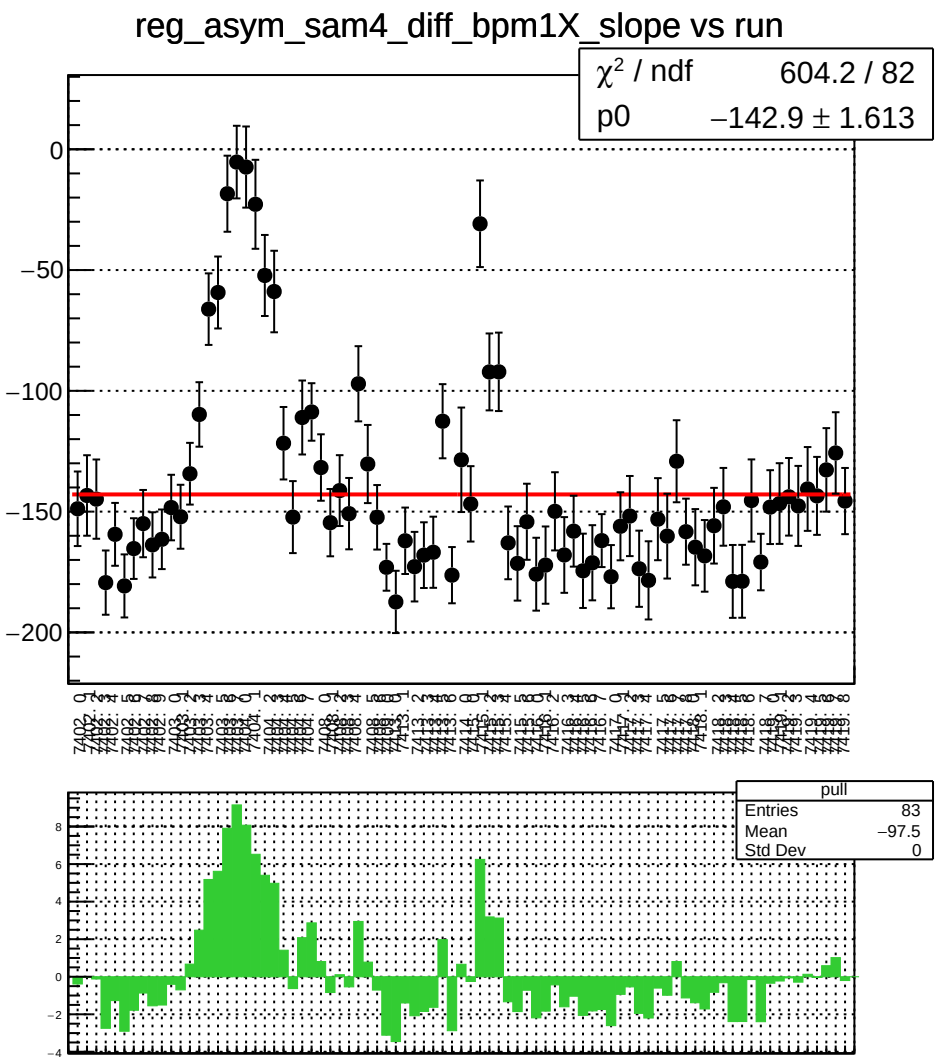

pull1D
Entries 83
Mean −0.1623
Std Dev 1.752

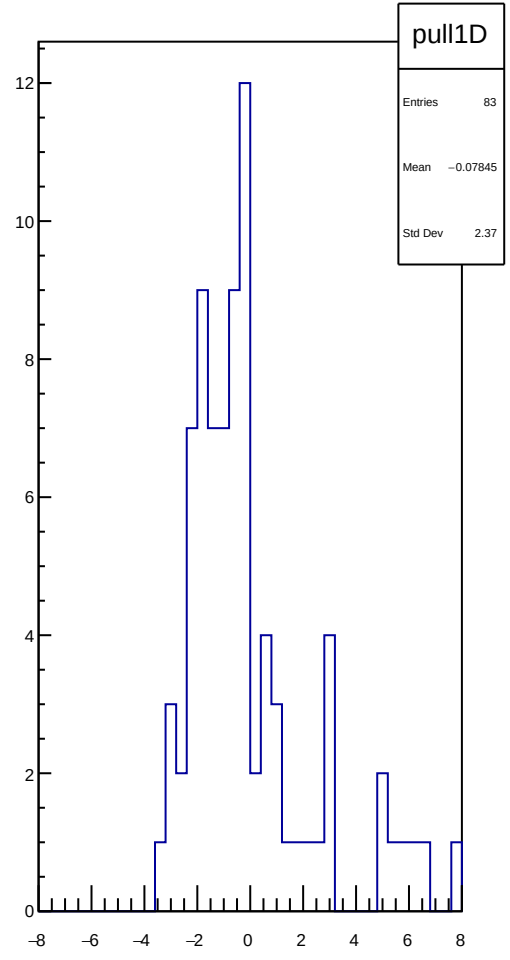

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 89.3 / 82
p0 17.26 ± 0.6042
pull
Entries 83
Mean −29.15
Std Dev 0

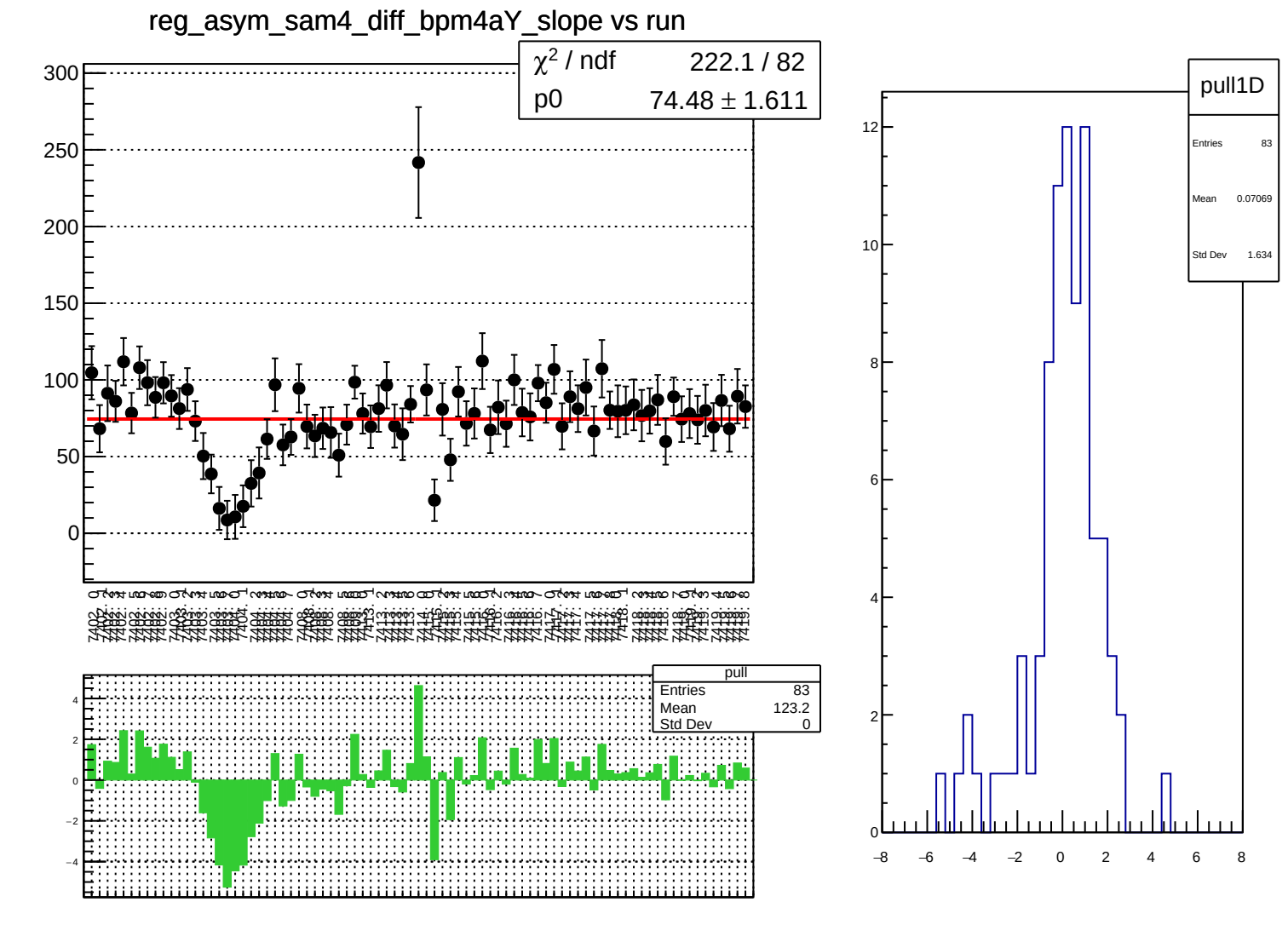

pull1D
Entries 83
Mean −0.03052
Std Dev 1.037

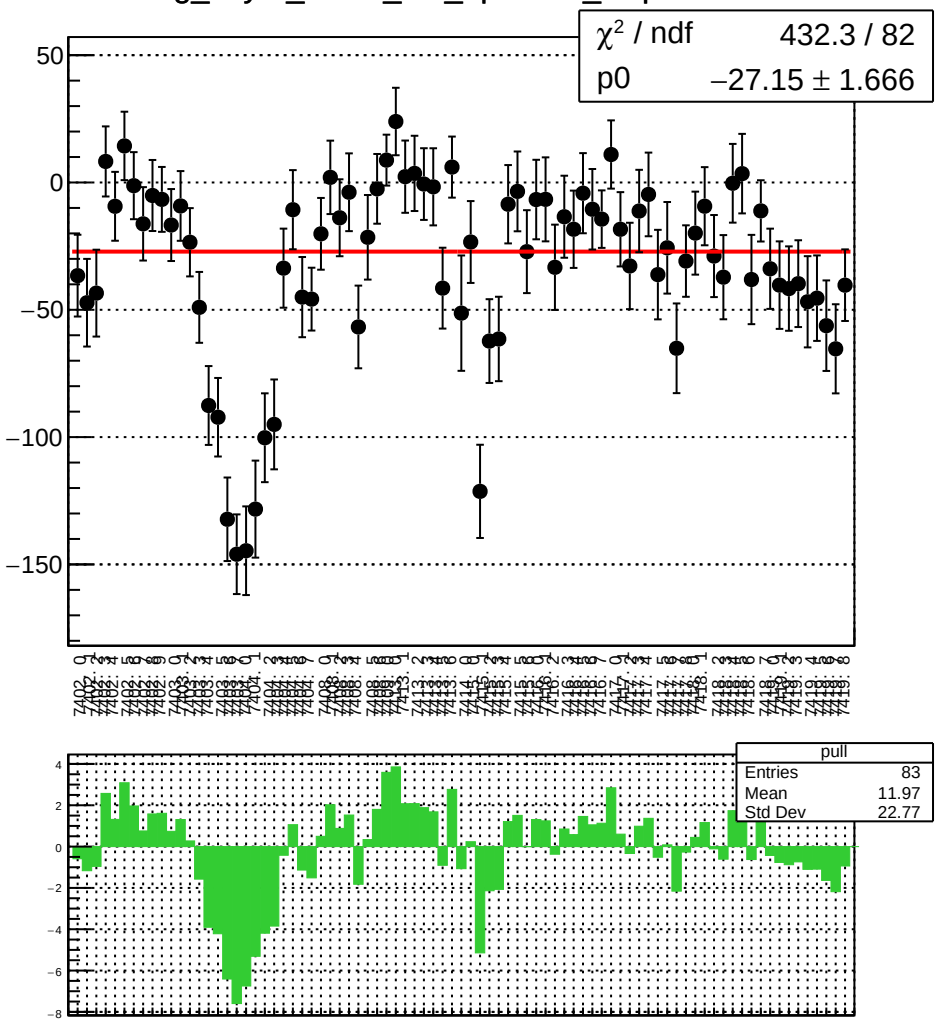

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 21.99 / 82
p0 0.3326 ± 0.02636
pull
Entries 83
Mean 458.6
Std Dev 0

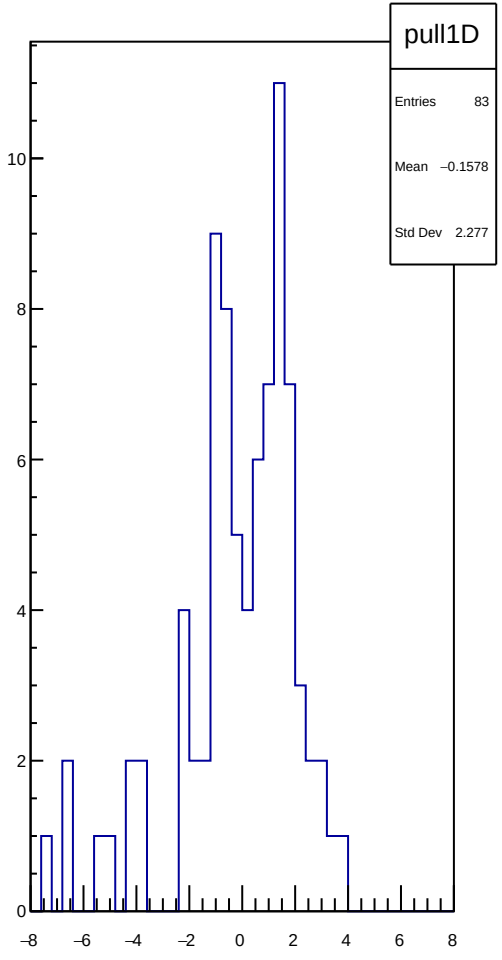

pull1D
Entries 83
Mean 0.02602
Std Dev 0.5141

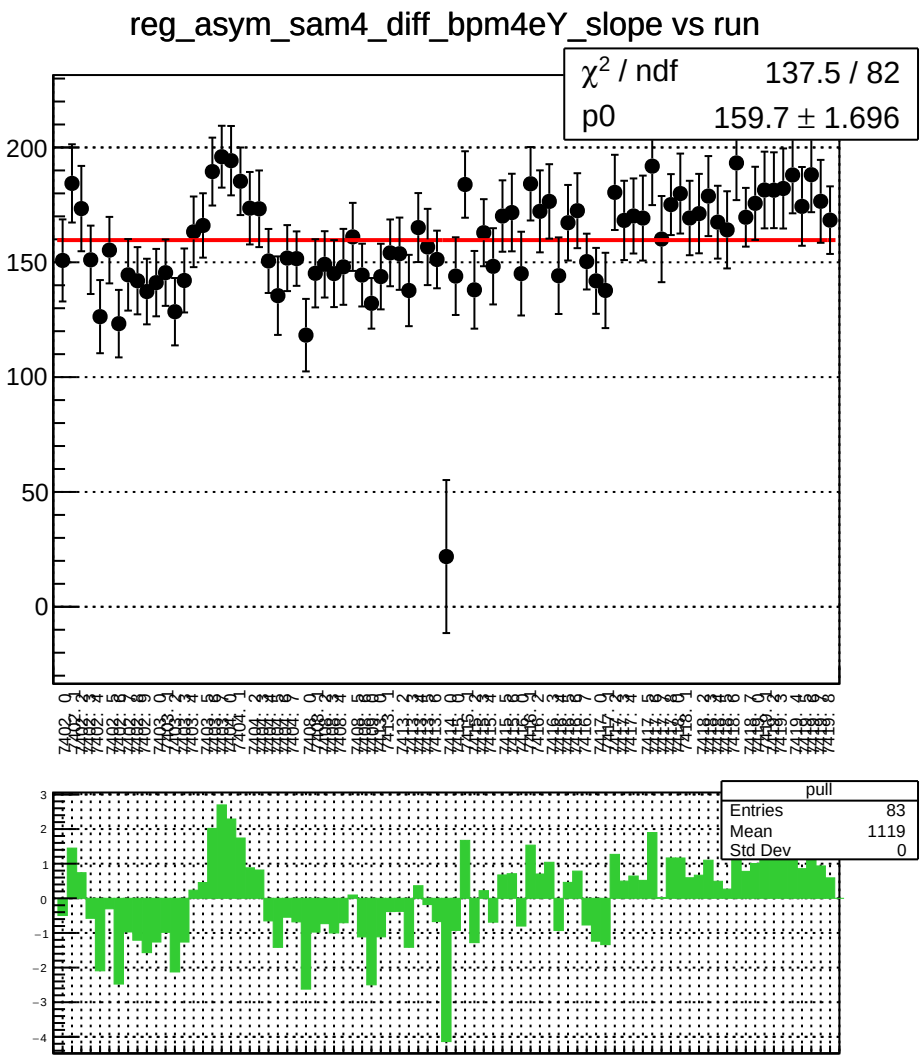

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 604.2 / 82
p0 −142.9 ± 1.613
pull
Entries 83
Mean −97.5
Std Dev 0

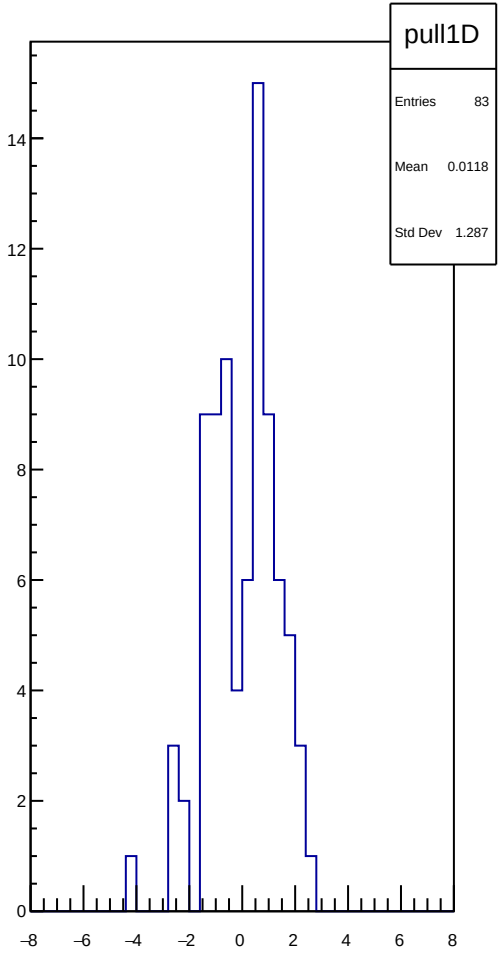

pull1D
Entries 83
Mean −0.07845
Std Dev 2.37

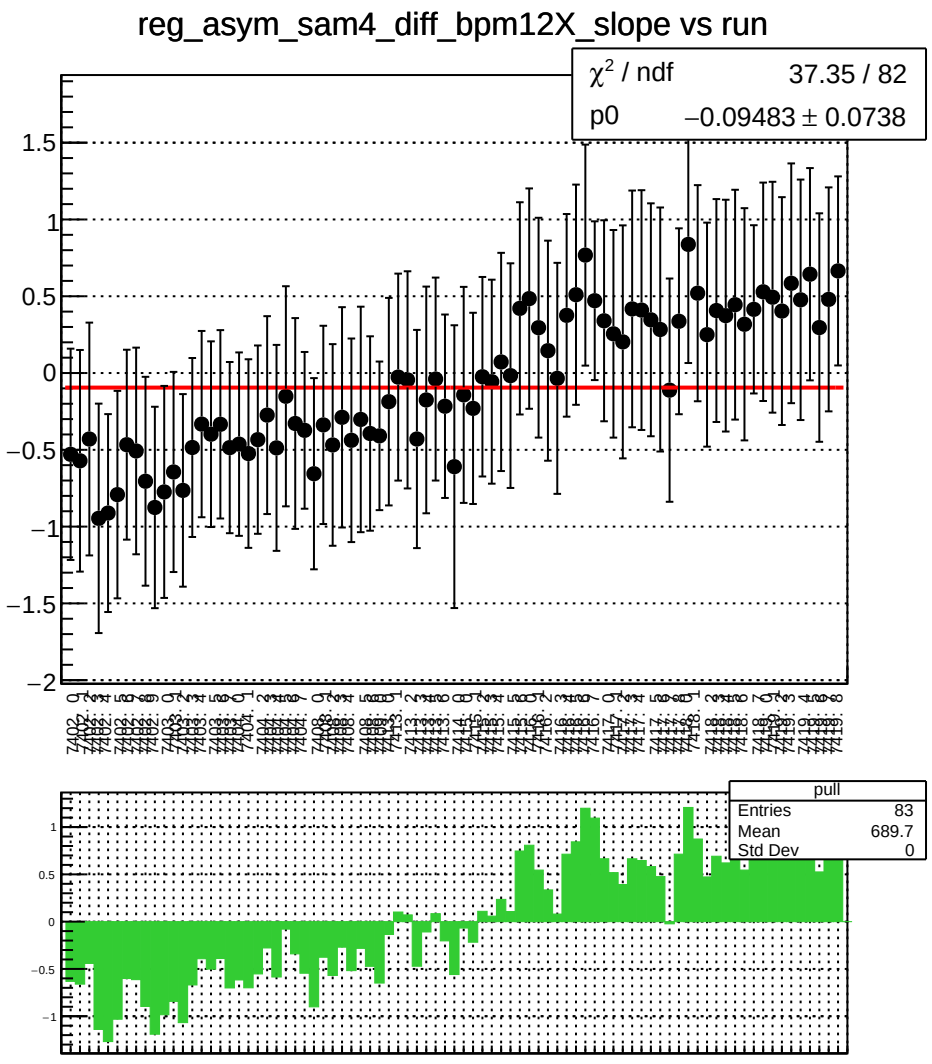

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 222.1 / 82
p0 74.48 ± 1.611
pull
Entries 83
Mean 123.2
Std Dev 0
pull1D
Entries 83
Mean 0.07069
Std Dev 1.634

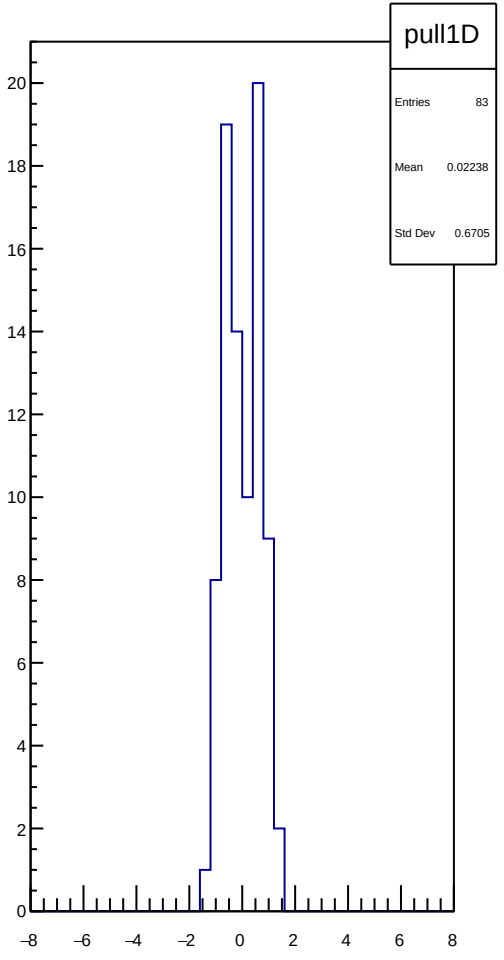

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 432.3 / 82
p0 −27.15 ± 1.666
pull
Entries 83
Mean 11.97
Std Dev 22.77

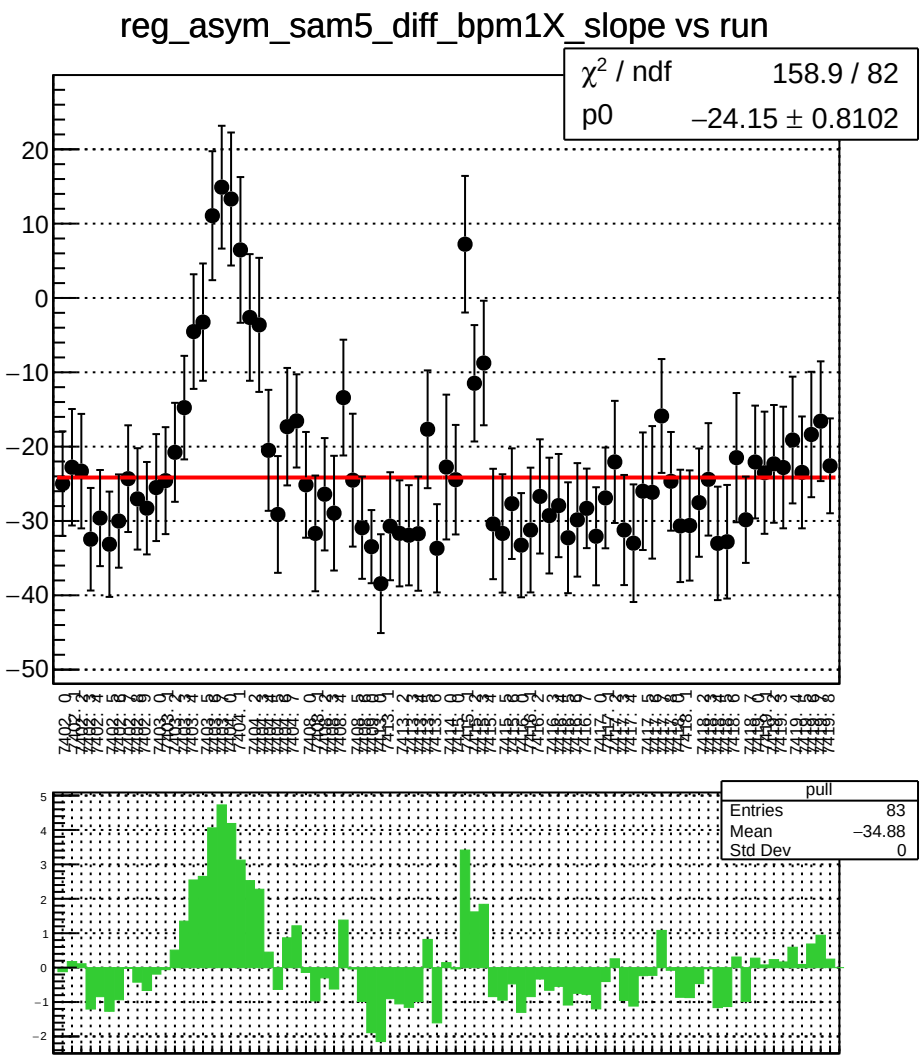

pull1D
Entries 83
Mean −0.1578
Std Dev 2.277

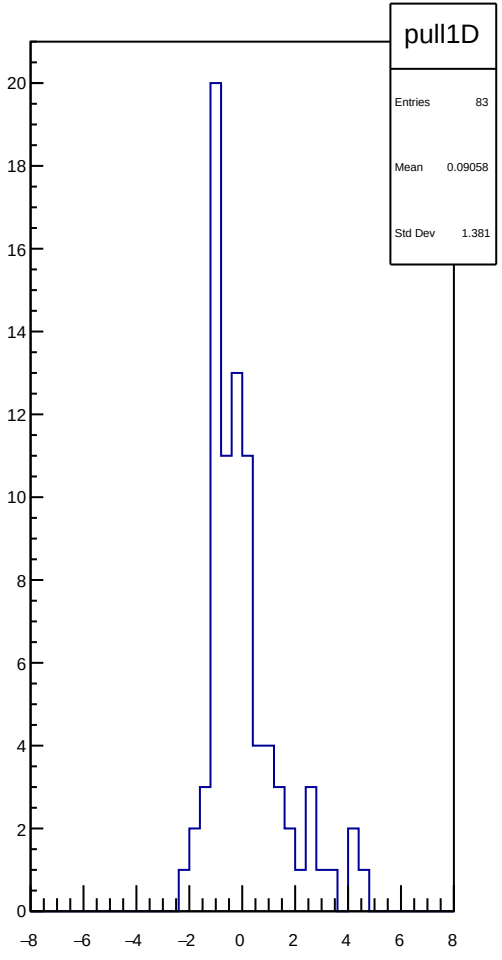

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 137.5 / 82
p0 159.7 ± 1.696
200
150
100
50
0
pull
Entries 83
Mean 1119
Std Dev 0
3
2
1
0
−1
−2
−3
−4

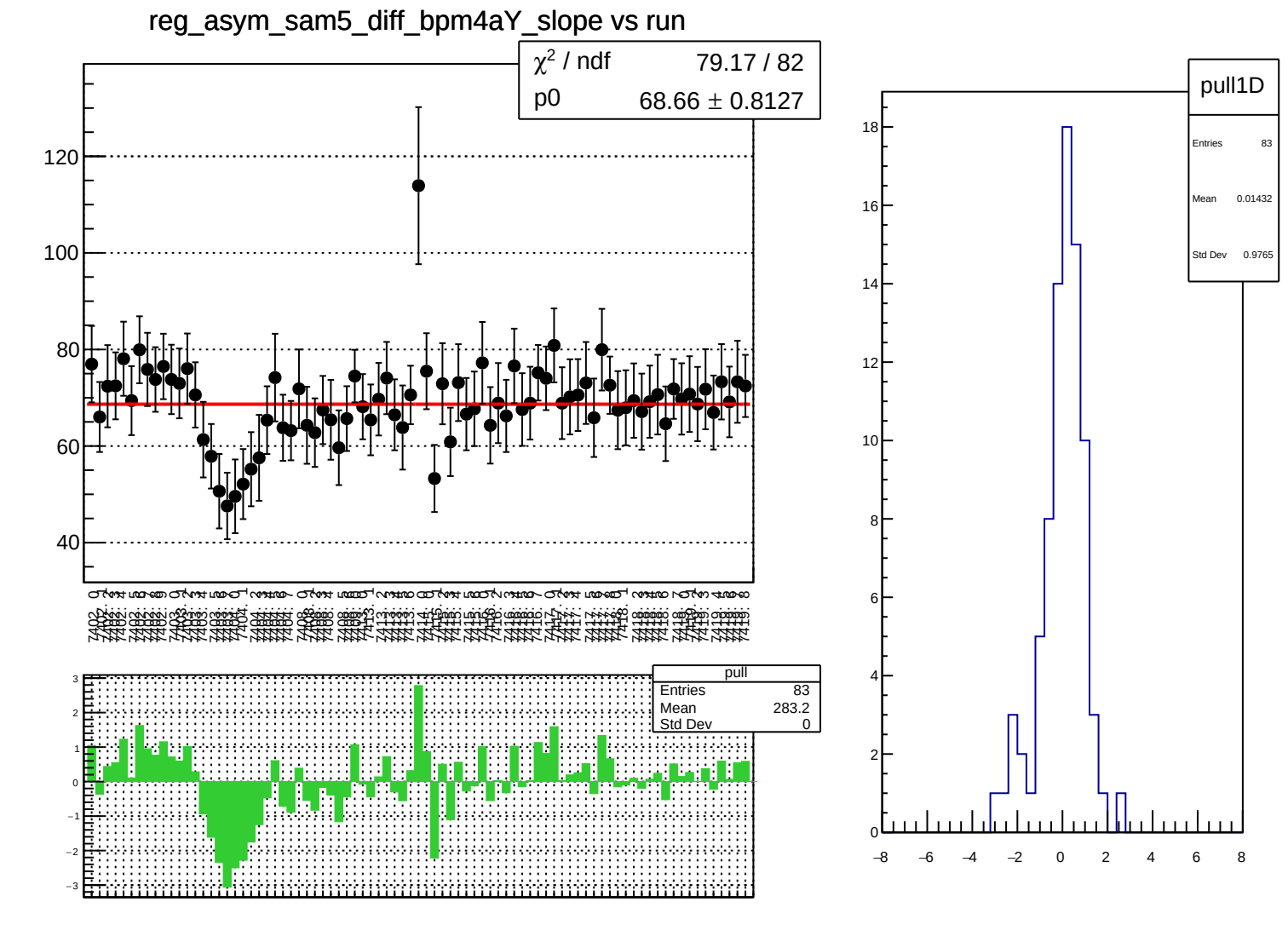

pull1D
Entries 83
Mean 0.0118
Std Dev 1.287
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

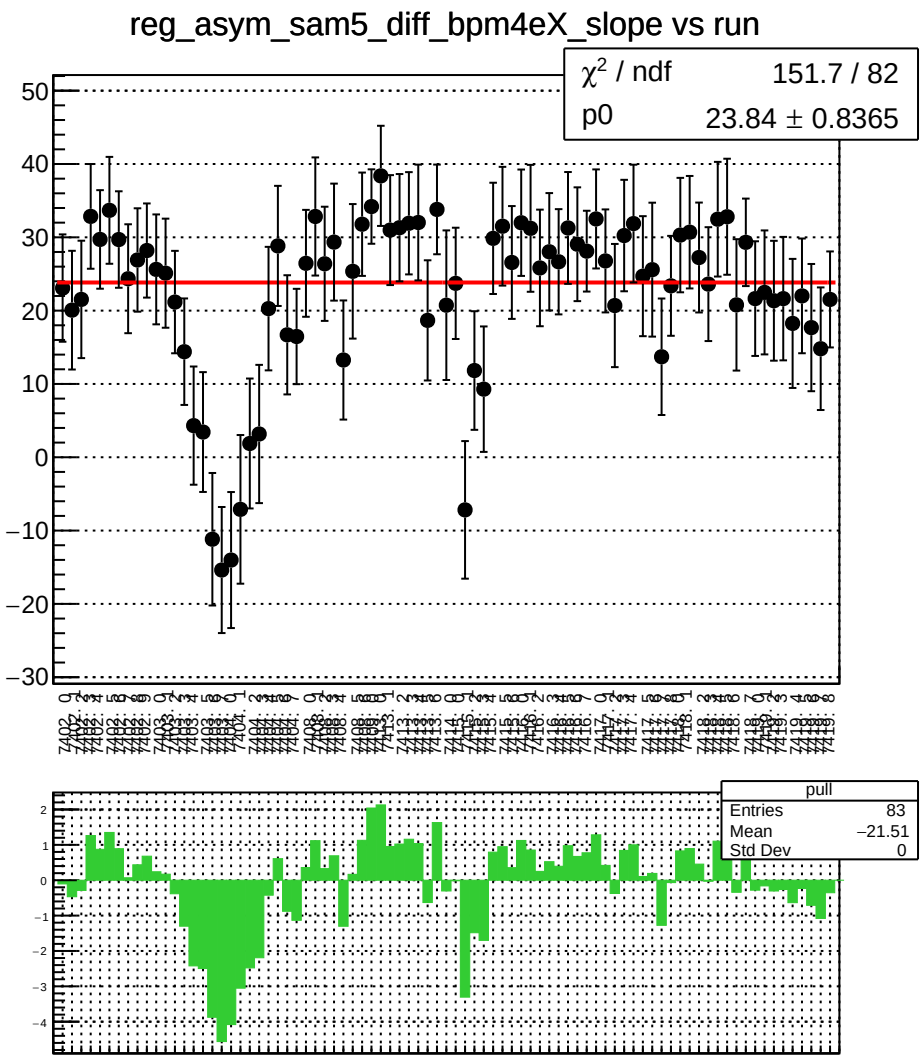

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 37.35 / 82
p0 −0.09483 ± 0.0738
pull
Entries 83
Mean 689.7
Std Dev 0

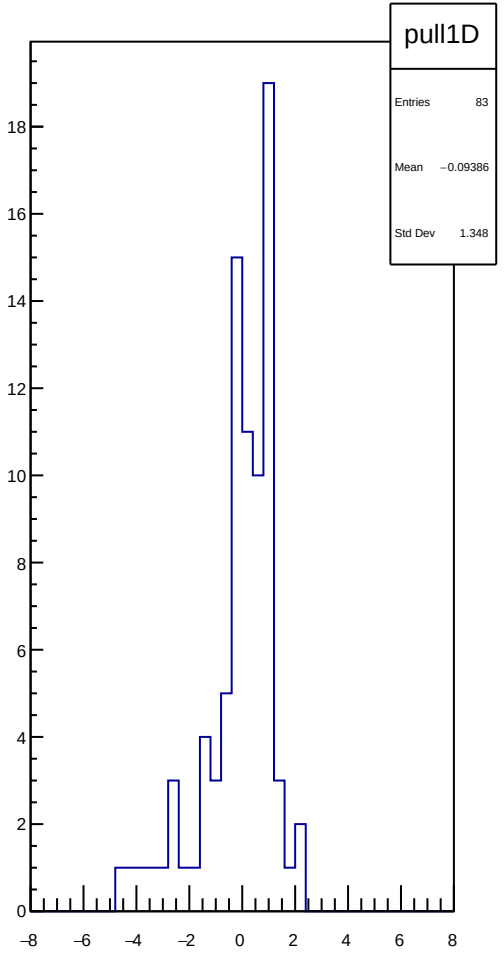

pull1D
Entries 83
Mean 0.02238
Std Dev 0.6705

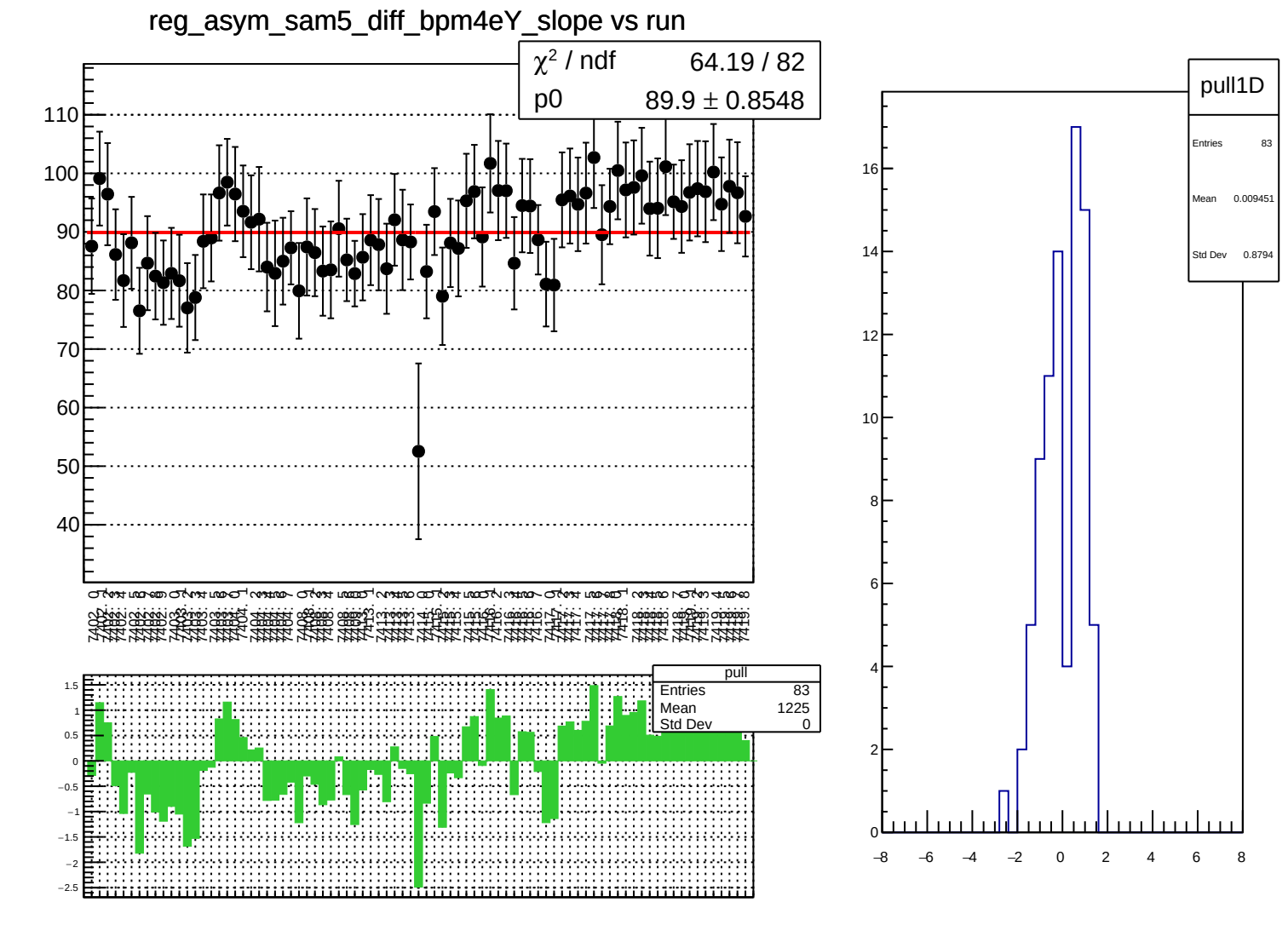

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 158.9 / 82
p0 −24.15 ± 0.8102
pull
Entries 83
Mean −34.88
Std Dev 0

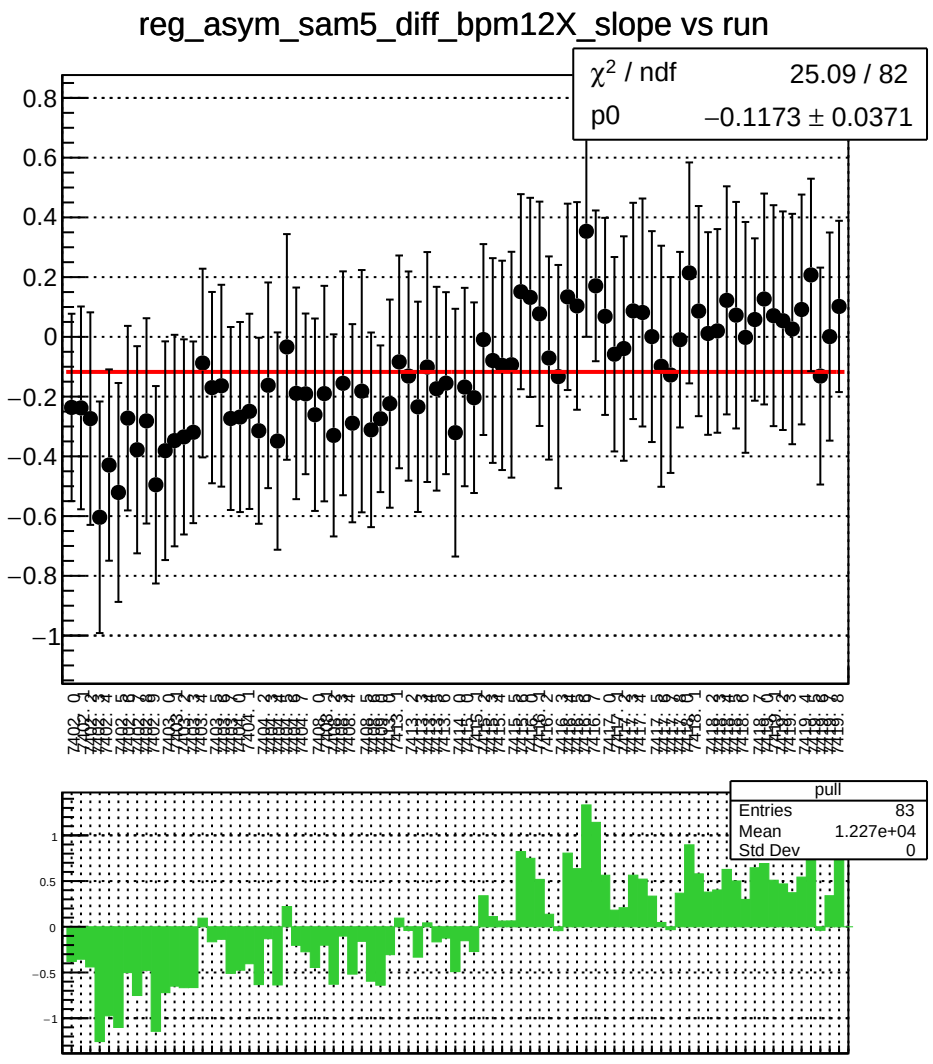

pull1D
Entries 83
Mean 0.09058
Std Dev 1.381

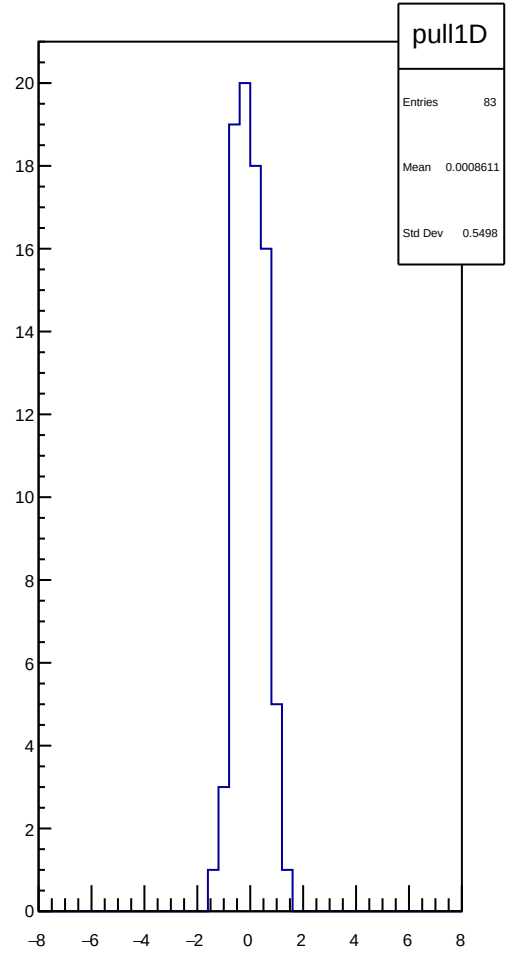

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 79.17 / 82
p0 68.66 ± 0.8127
120
100
80
60
40
pull
Entries 83
Mean 283.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.01432
Std Dev 0.9765
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

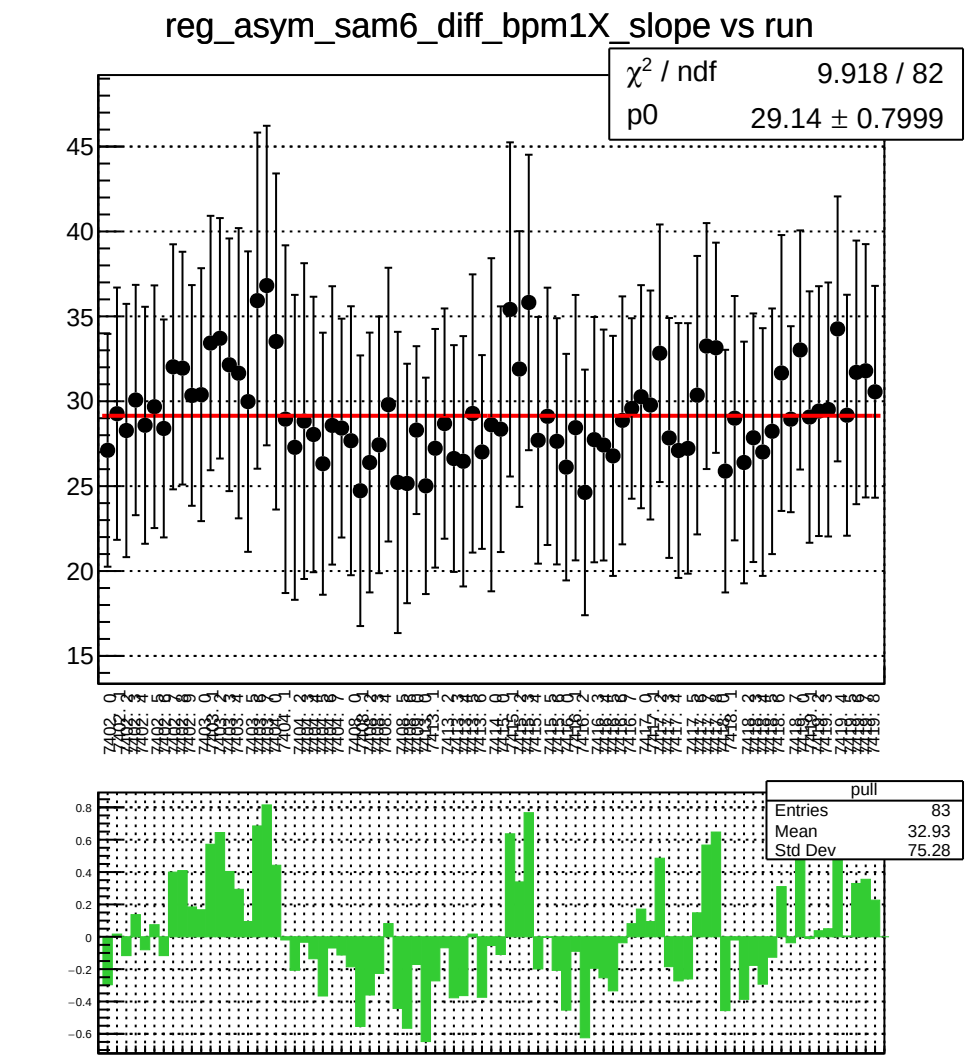

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 151.7 / 82
p0 23.84 ± 0.8365
pull
Entries 83
Mean −21.51
Std Dev 0

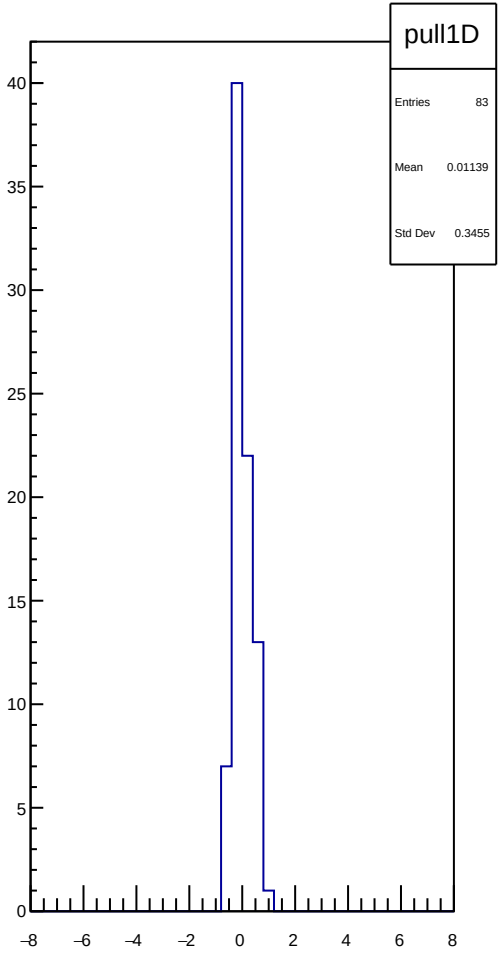

pull1D
Entries 83
Mean −0.09386
Std Dev 1.348

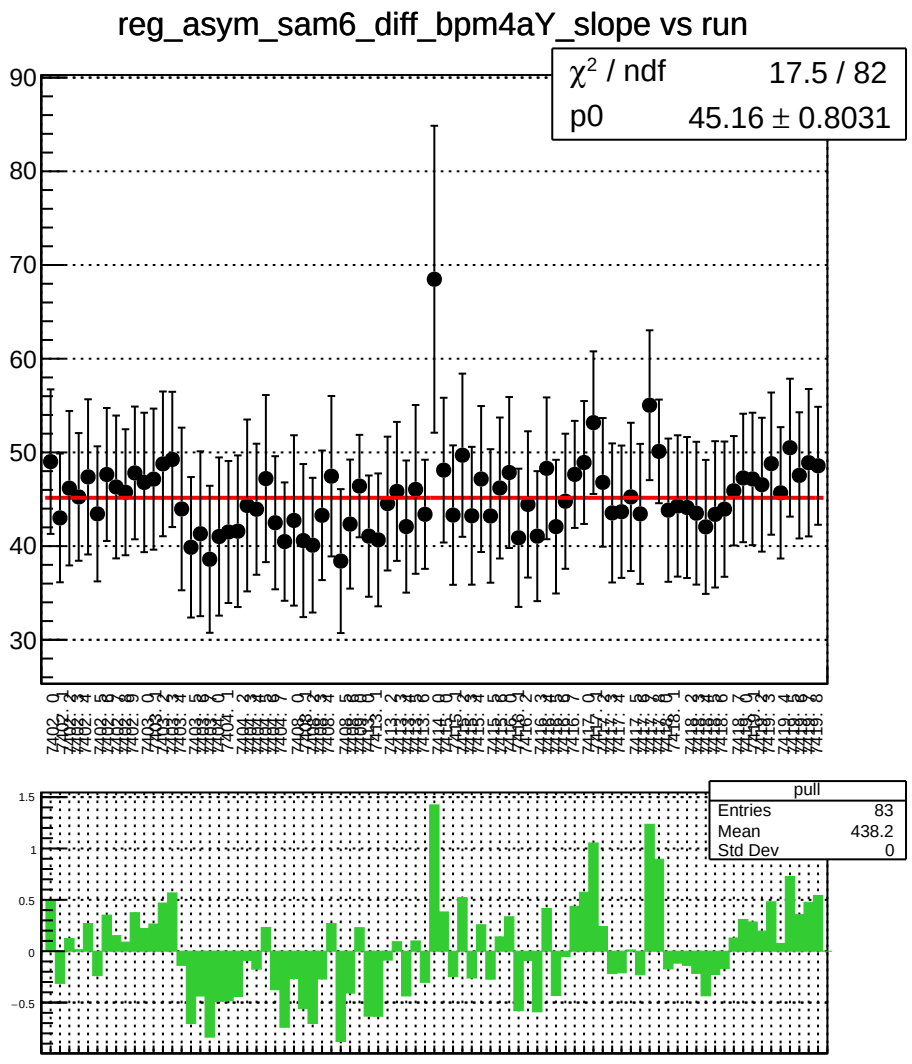

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 64.19 / 82
p0 89.9 ± 0.8548
pull
Entries 83
Mean 1225
Std Dev 0
pull1D
Entries 83
Mean 0.009451
Std Dev 0.8794

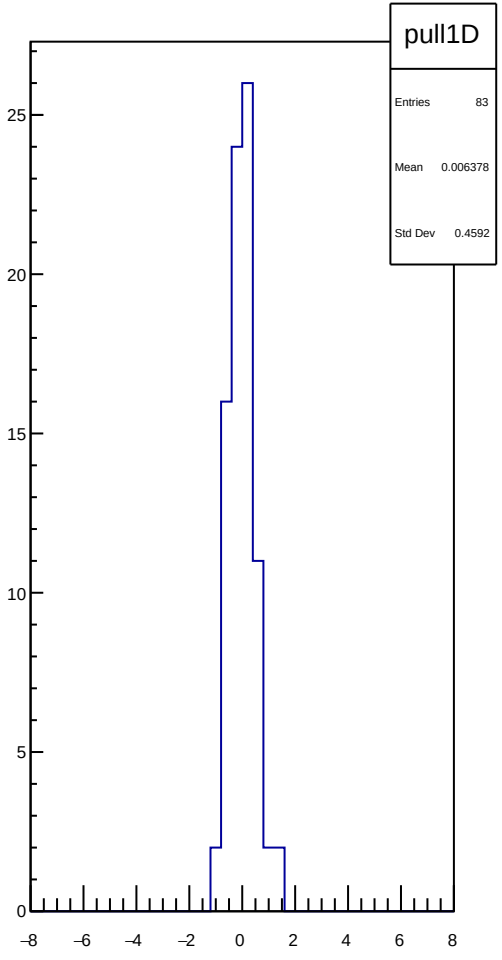

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 25.09 / 82
p0 −0.1173 ± 0.0371
pull
Entries 83
Mean 1.227e+04
Std Dev 0

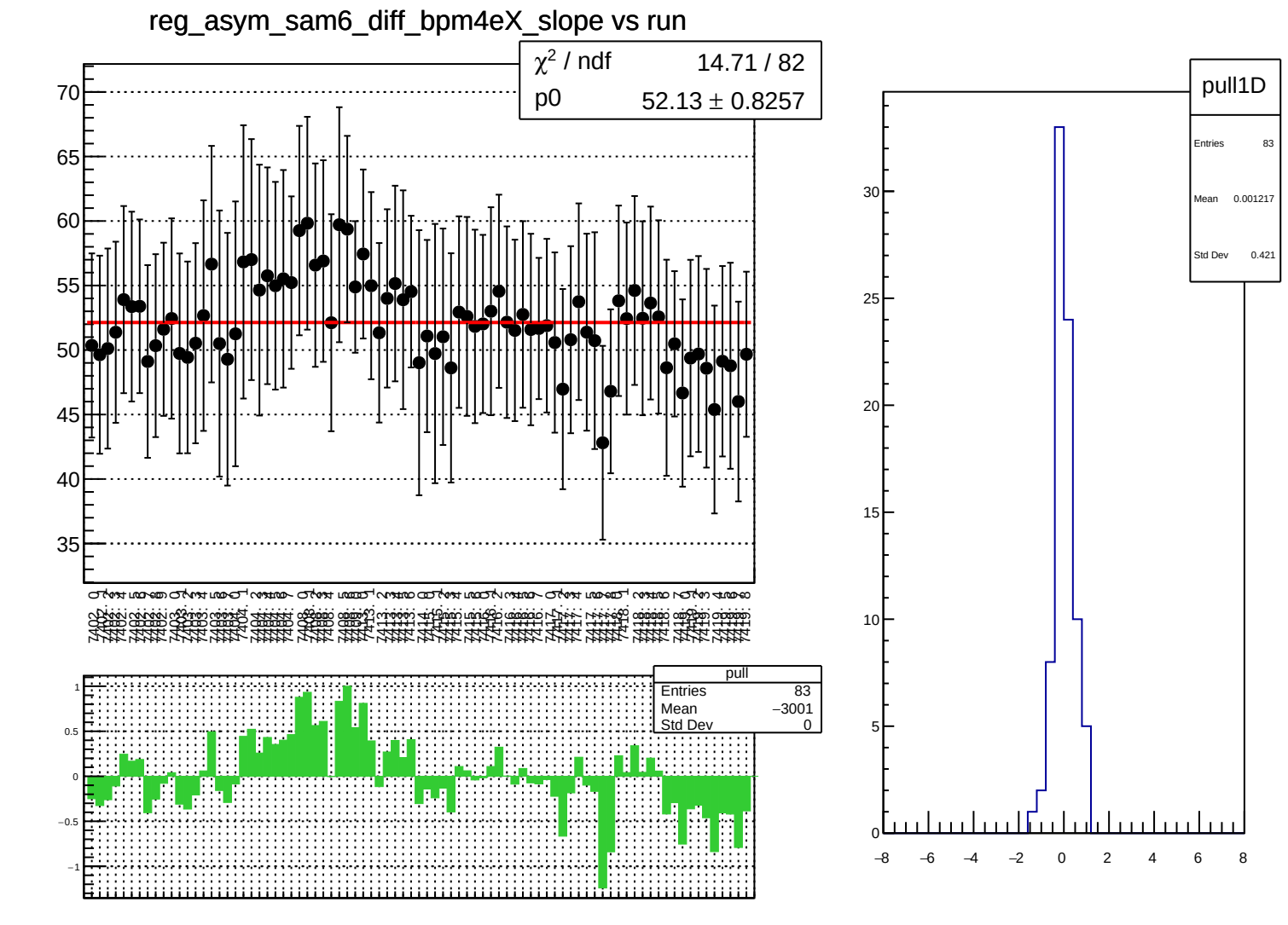

pull1D
Entries 83
Mean 0.0008611
Std Dev 0.5498

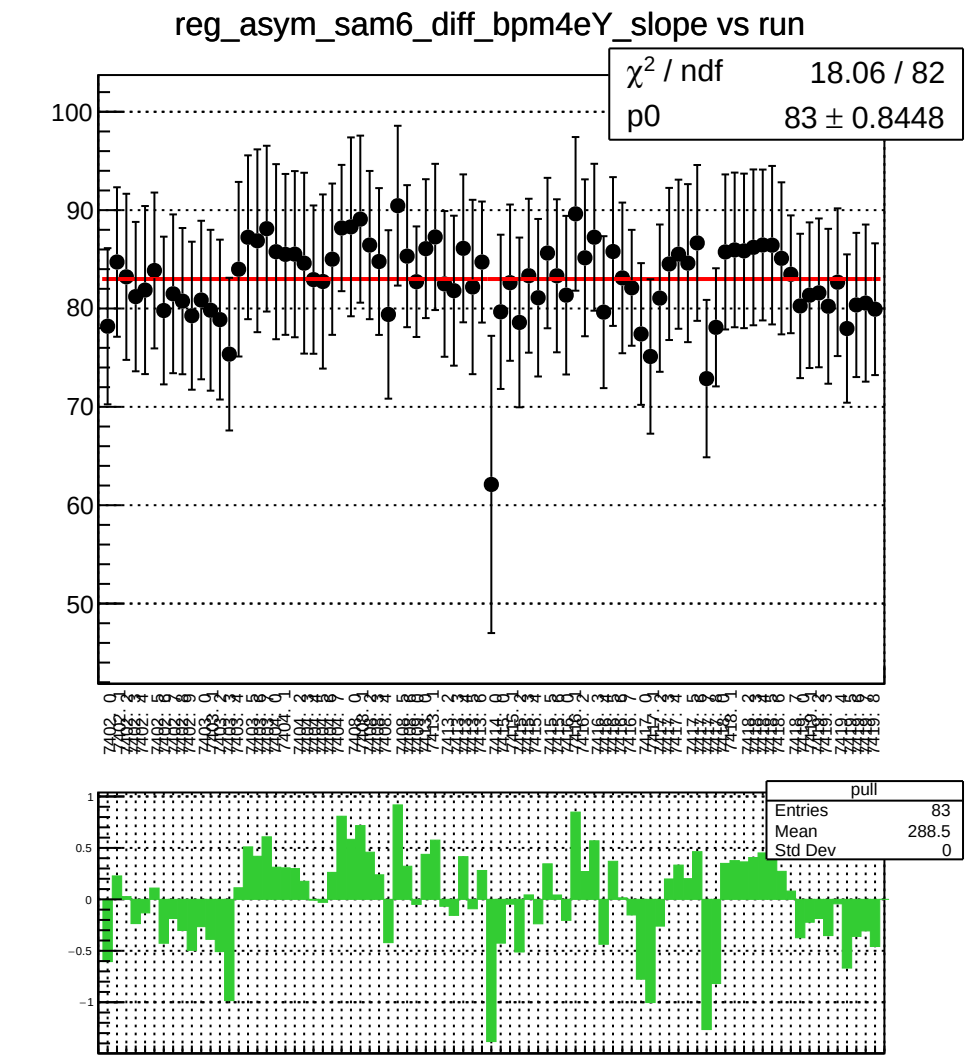

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 9.918 / 82
p0 29.14 ± 0.7999
pull
Entries 83
Mean 32.93
Std Dev 75.28

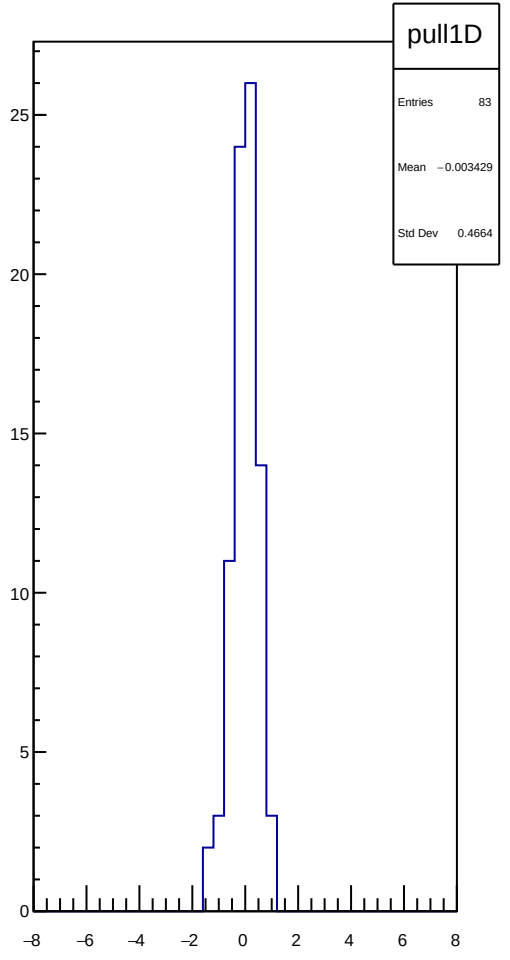

pull1D
Entries 83
Mean 0.01139
Std Dev 0.3455

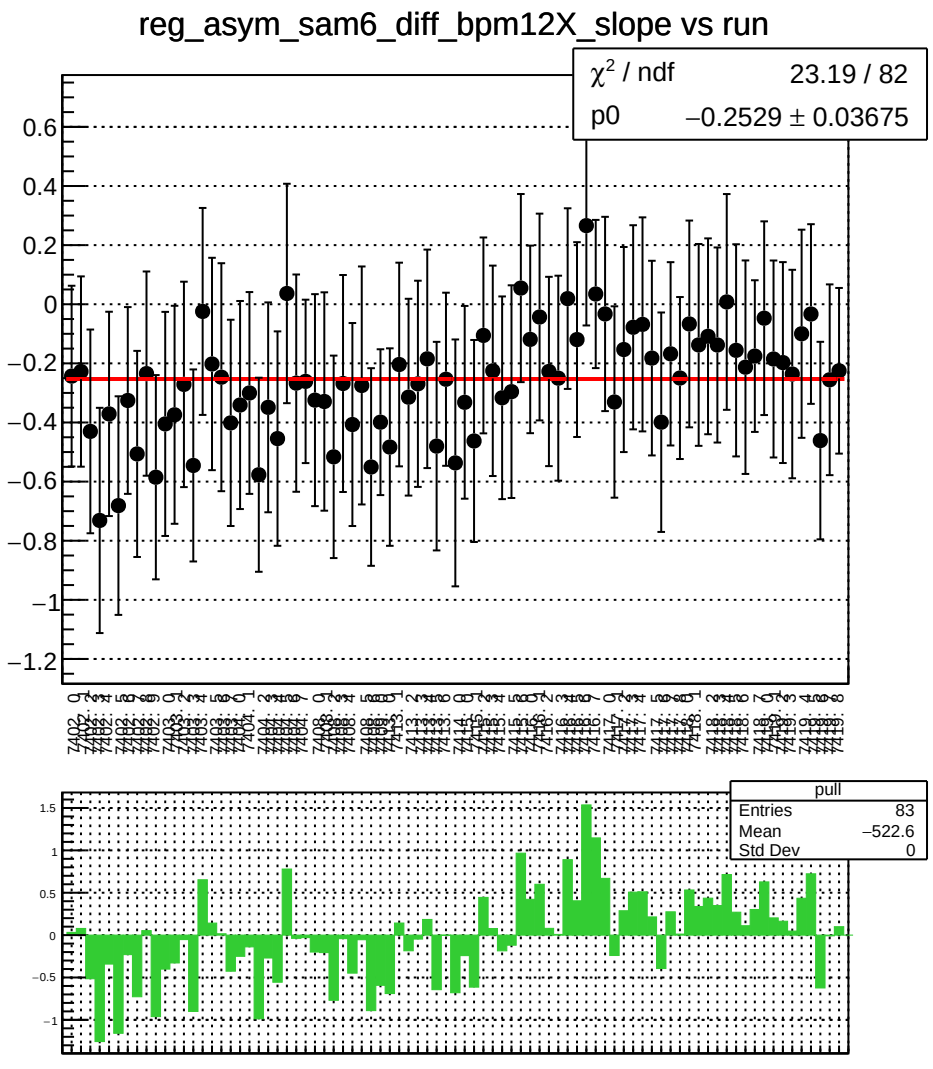

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 17.5 / 82
p0 45.16 ± 0.8031
pull
Entries 83
Mean 438.2
Std Dev 0

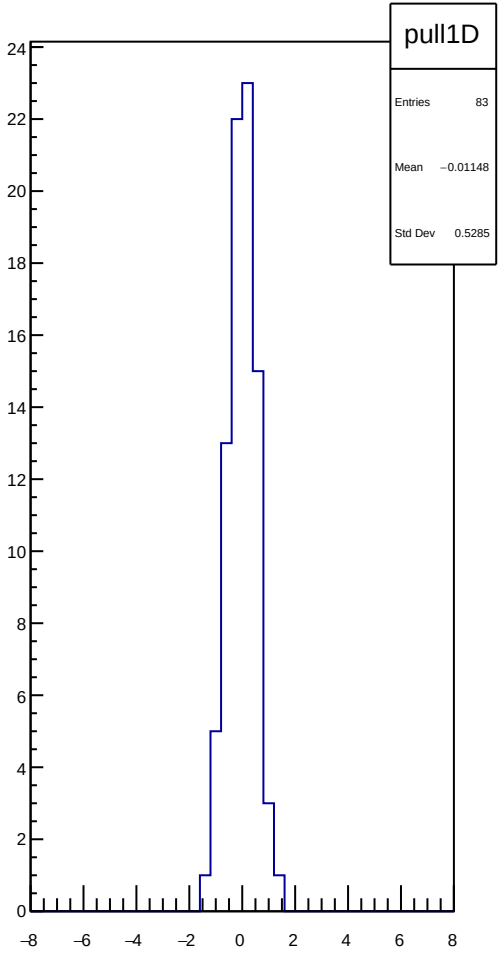

pull1D
Entries 83
Mean 0.006378
Std Dev 0.4592

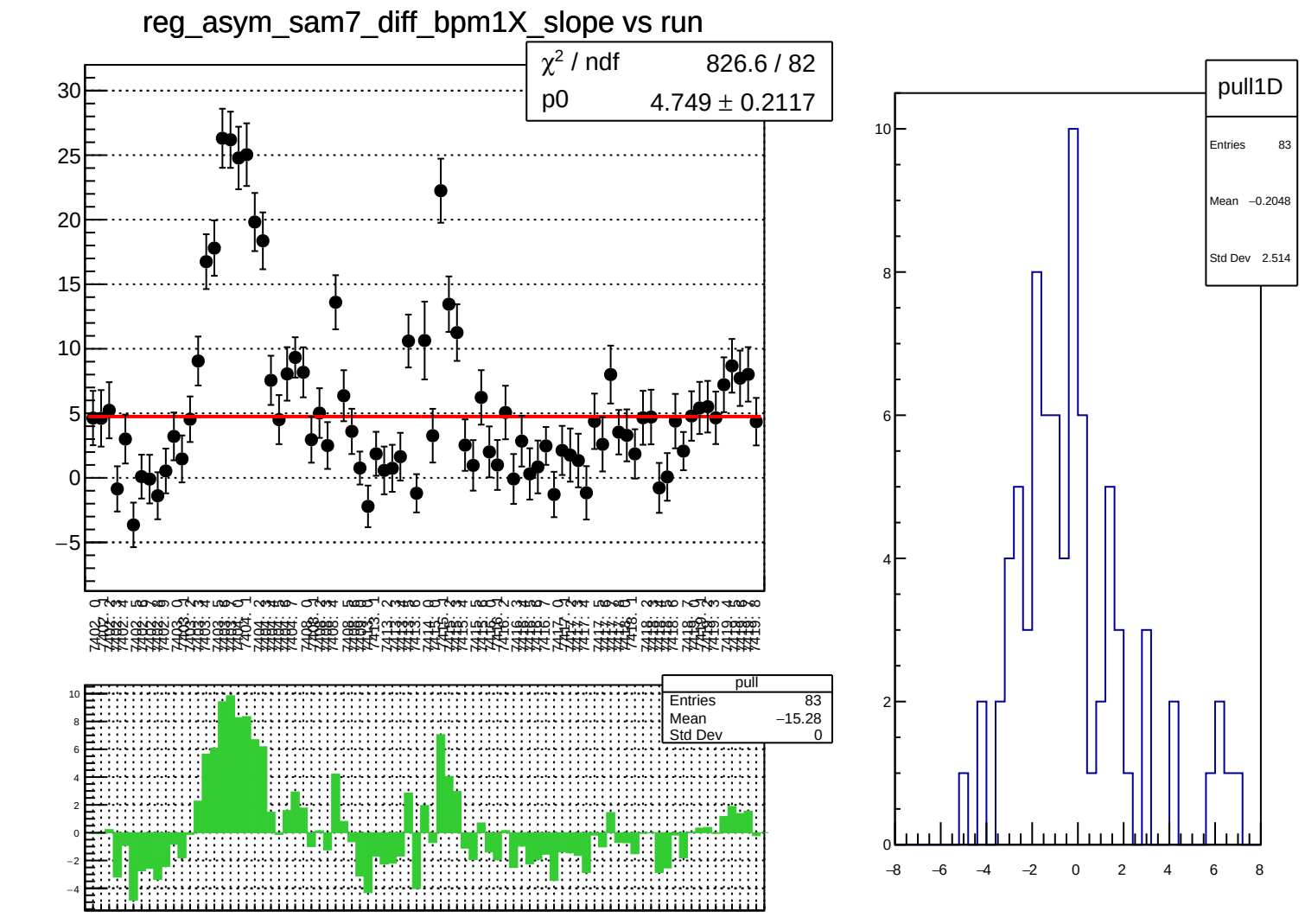

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 14.71 / 82
p0 52.13 ± 0.8257
pull
Entries 83
Mean −3001
Std Dev 0
pull1D
Entries 83
Mean 0.001217
Std Dev 0.421

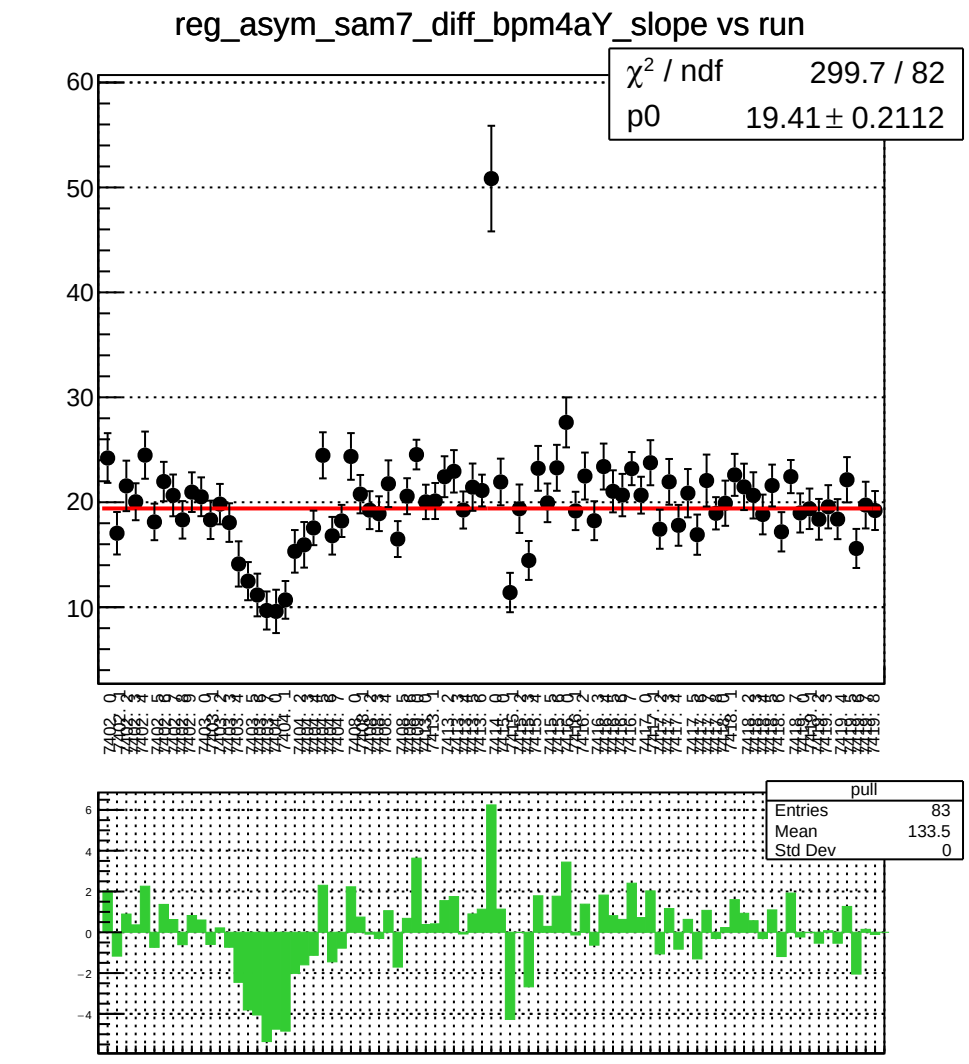

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 18.06 / 82
p0 83 ± 0.8448
pull
Entries 83
Mean 288.5
Std Dev 0

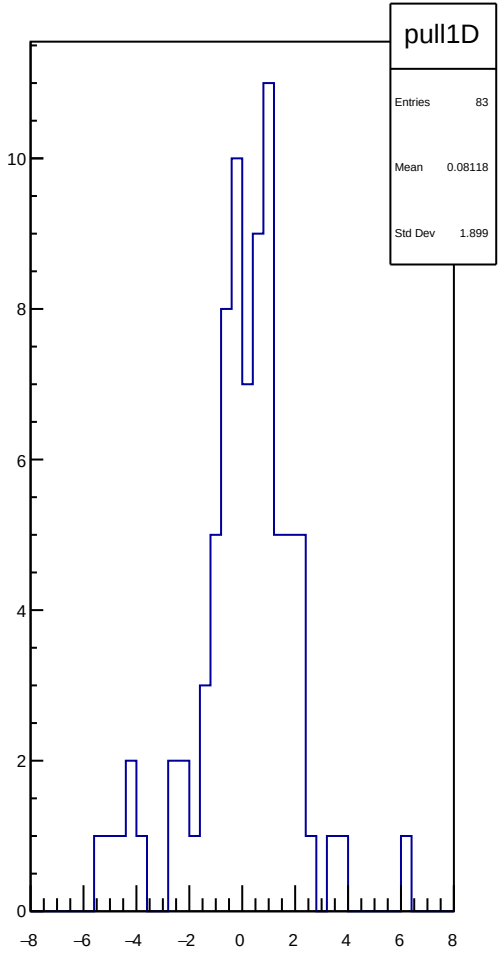

pull1D
Entries 83
Mean −0.003429
Std Dev 0.4664

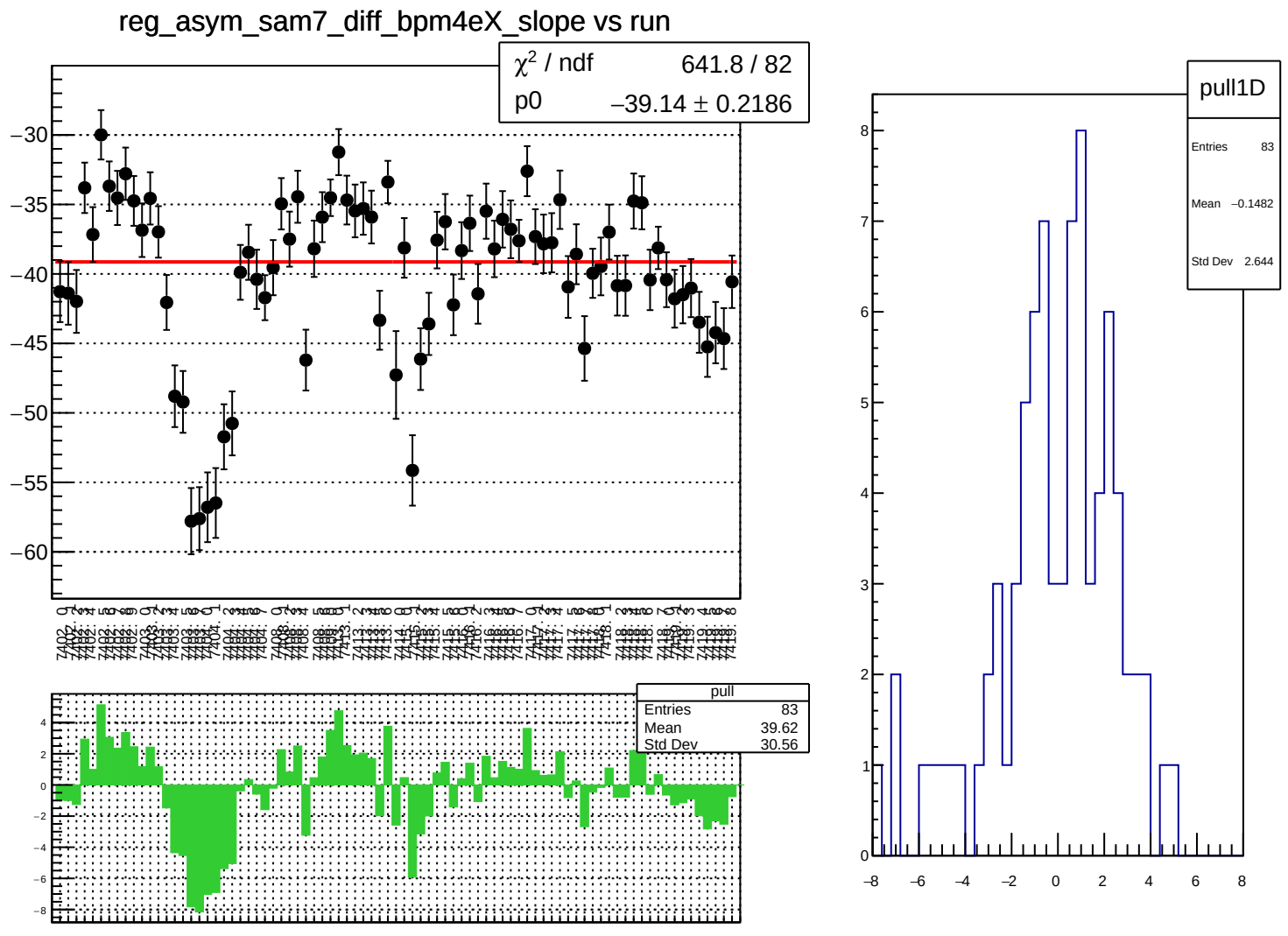

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 23.19 / 82
p0 −0.2529 ± 0.03675
pull
Entries 83
Mean −522.6
Std Dev 0

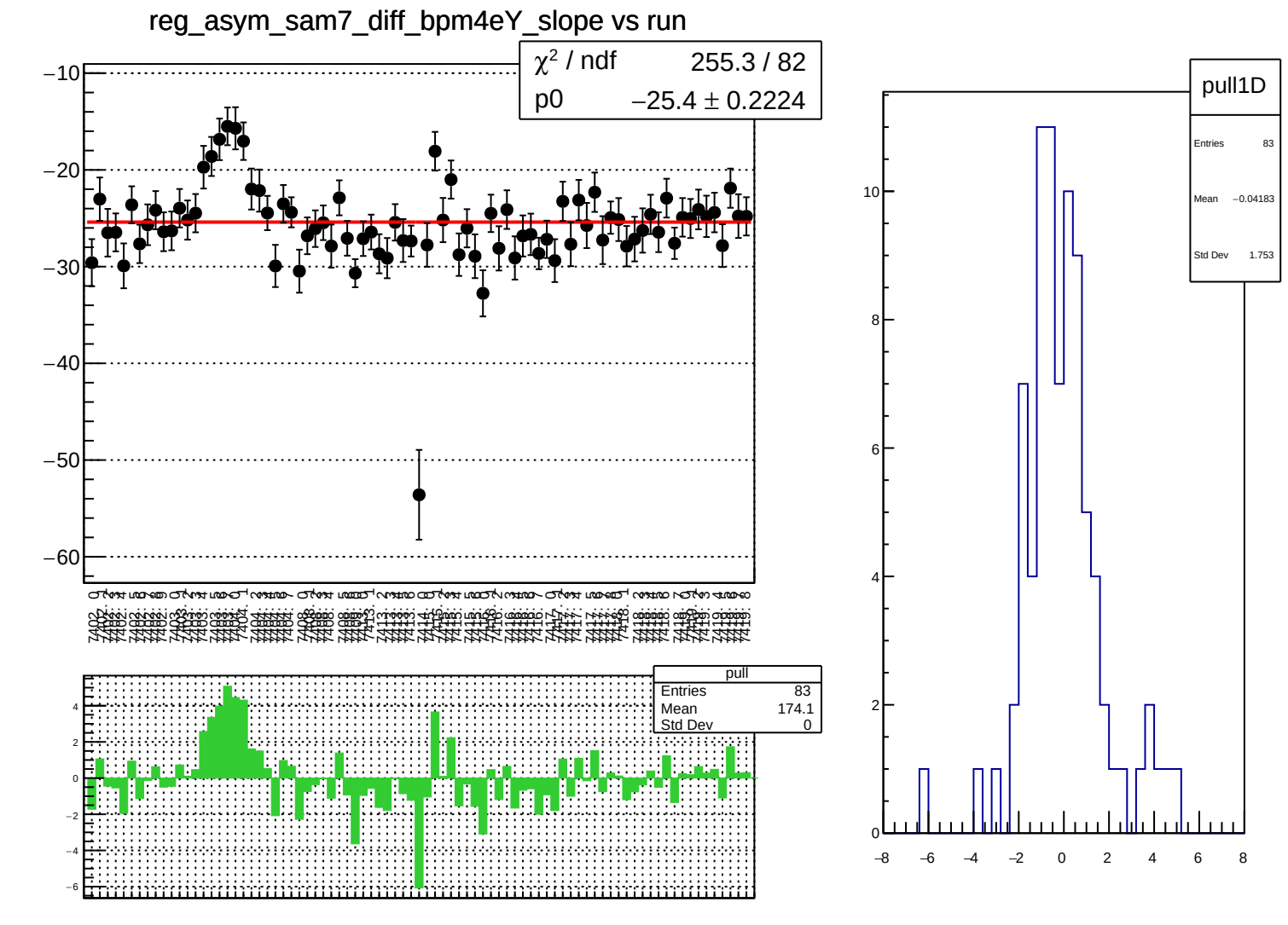

pull1D
Entries 83
Mean −0.01148
Std Dev 0.5285

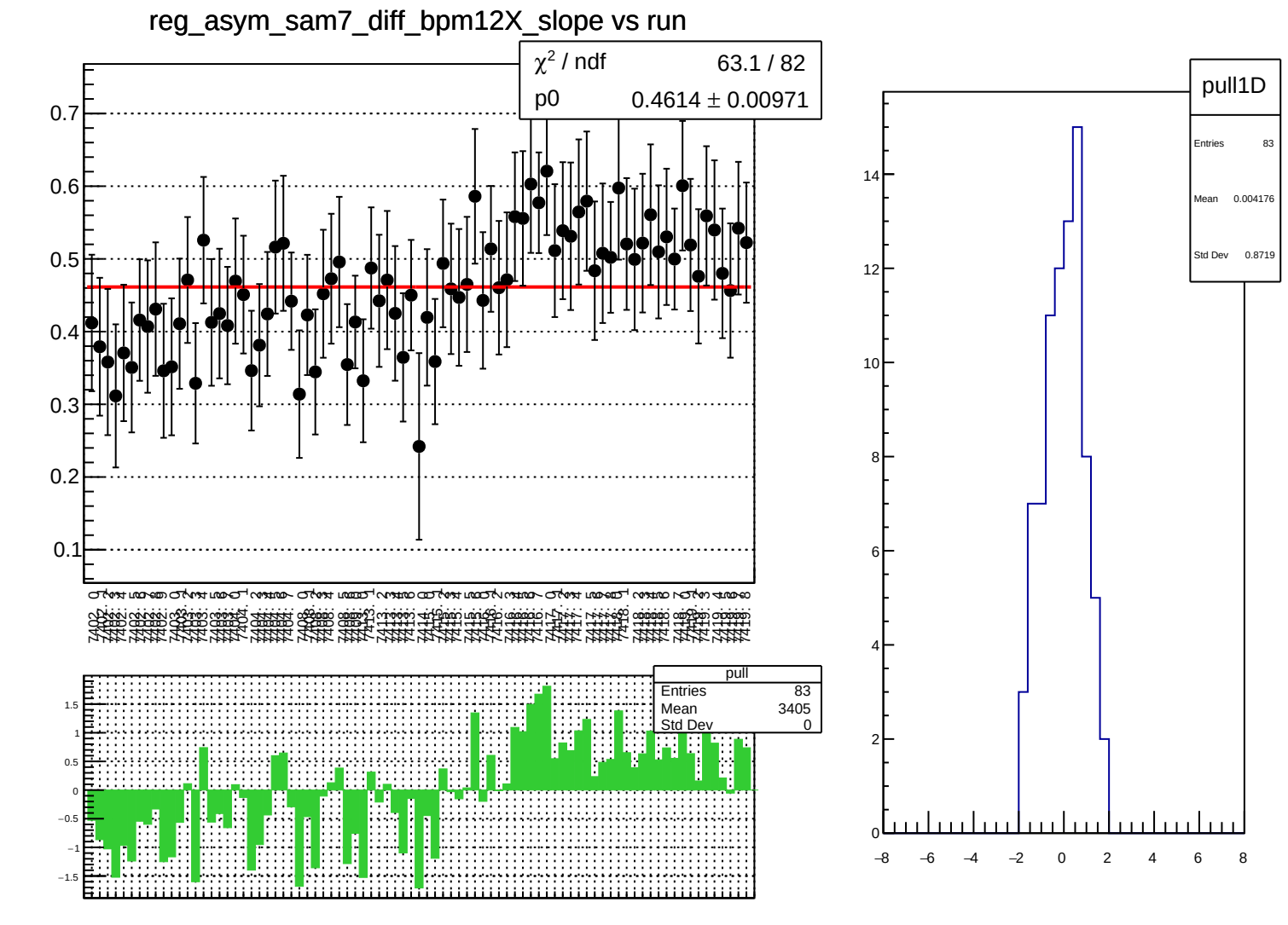

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 826.6 / 82
p0 4.749 ± 0.2117
pull
Entries 83
Mean −15.28
Std Dev 0
pull1D
Entries 83
Mean −0.2048
Std Dev 2.514

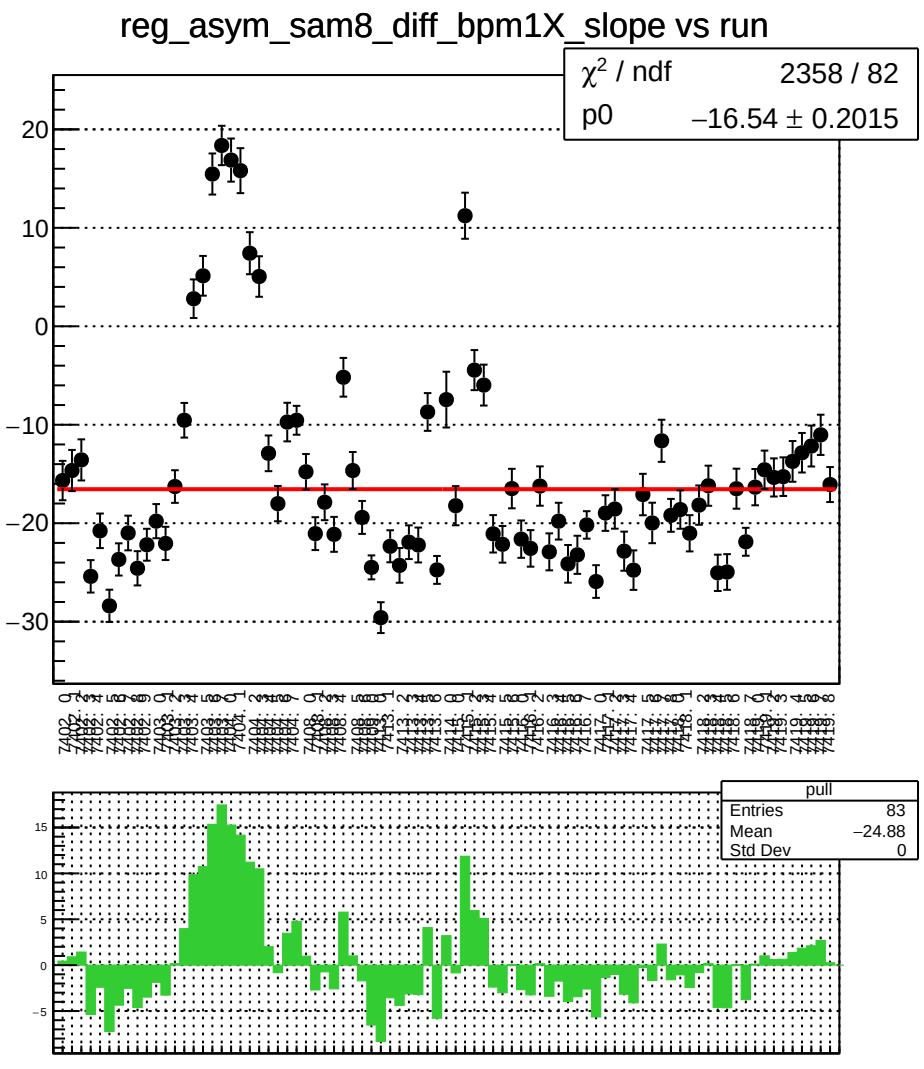

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 299.7 / 82
p0 19.41 ± 0.2112
pull
Entries 83
Mean 133.5
Std Dev 0

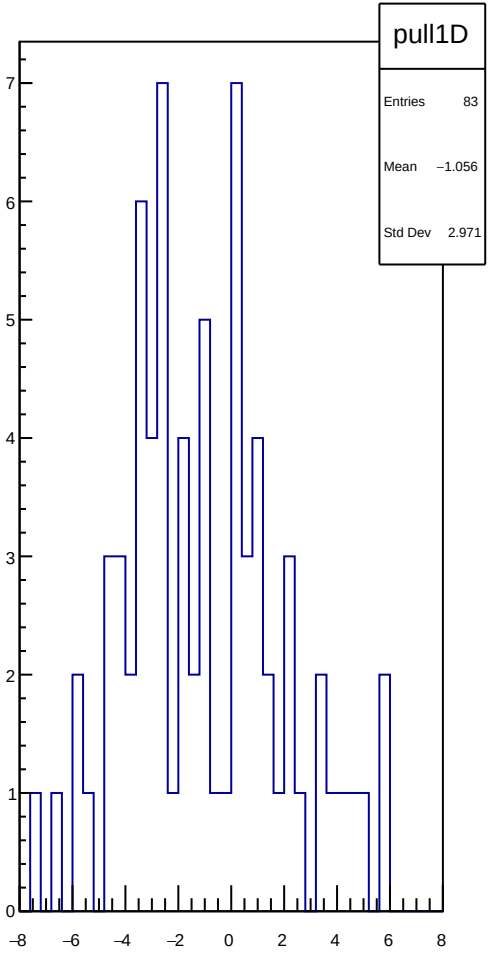

pull1D
Entries 83
Mean 0.08118
Std Dev 1.899

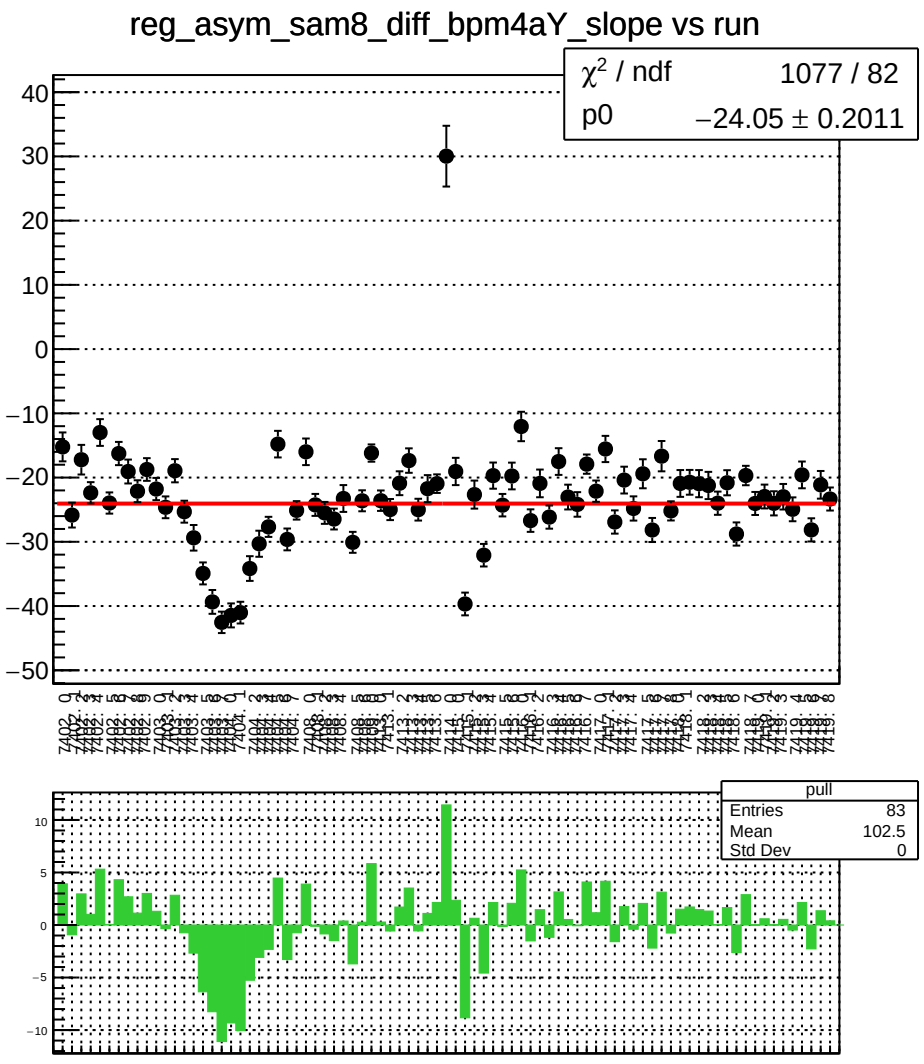

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 641.8 / 82
p0 −39.14 ± 0.2186
pull
Entries 83
Mean 39.62
Std Dev 30.56
pull1D
Entries 83
Mean −0.1482
Std Dev 2.644

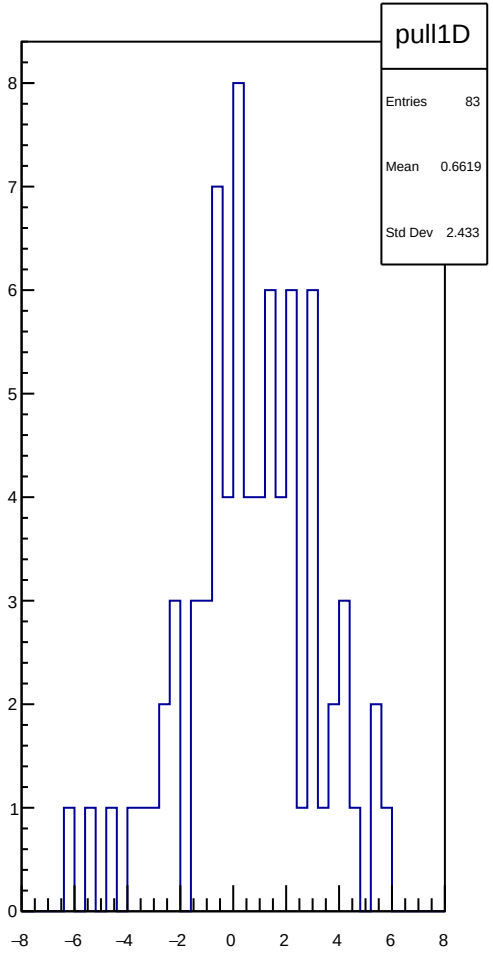

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 255.3 / 82
p0 −25.4 ± 0.2224
pull
Entries 83
Mean 174.1
Std Dev 0
pull1D
Entries 83
Mean −0.04183
Std Dev 1.753

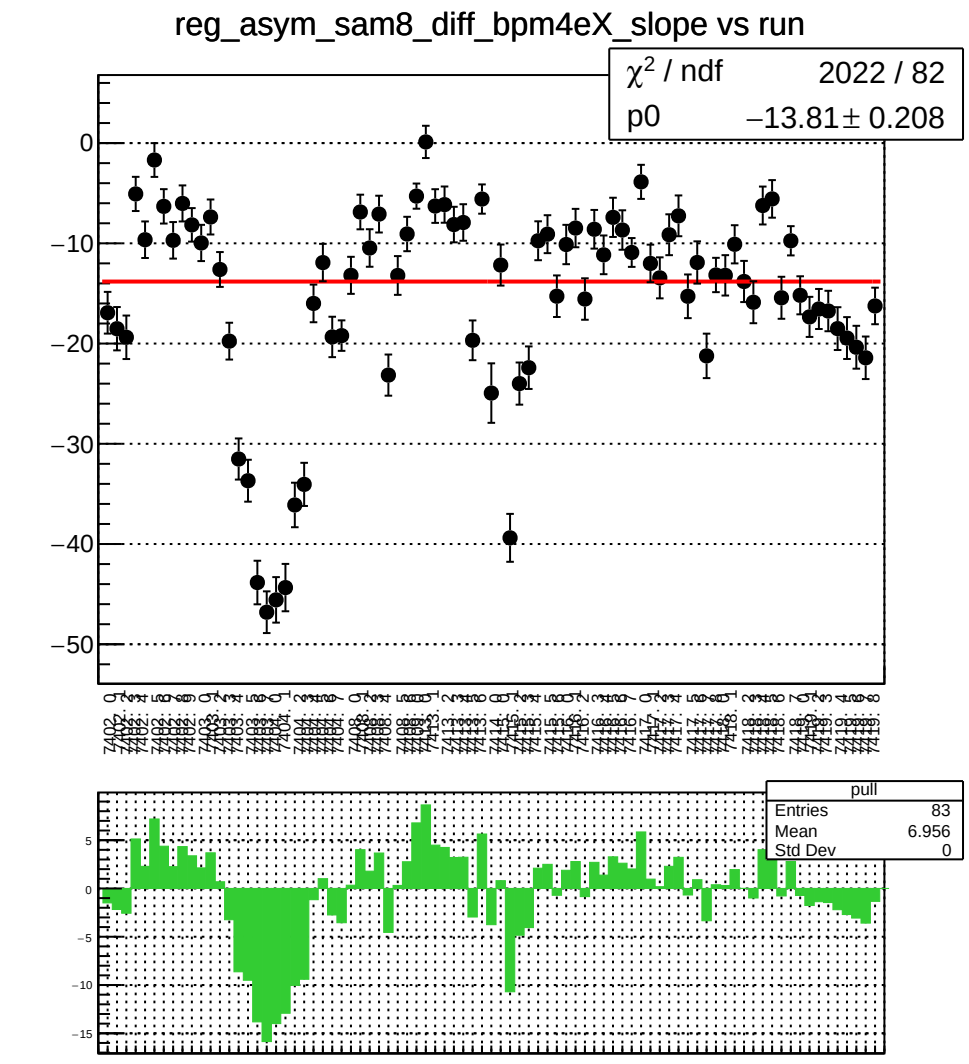

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 63.1 / 82
p0 0.4614 ± 0.00971
pull
Entries 83
Mean 3405
Std Dev 0
pull1D
Entries 83
Mean 0.004176
Std Dev 0.8719

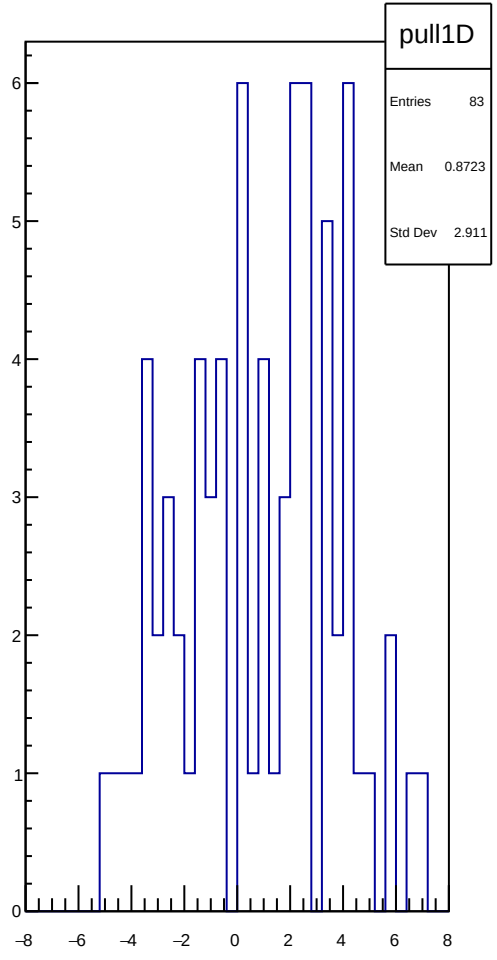

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2358 / 82
p0 −16.54 ± 0.2015
pull
Entries 83
Mean −24.88
Std Dev 0

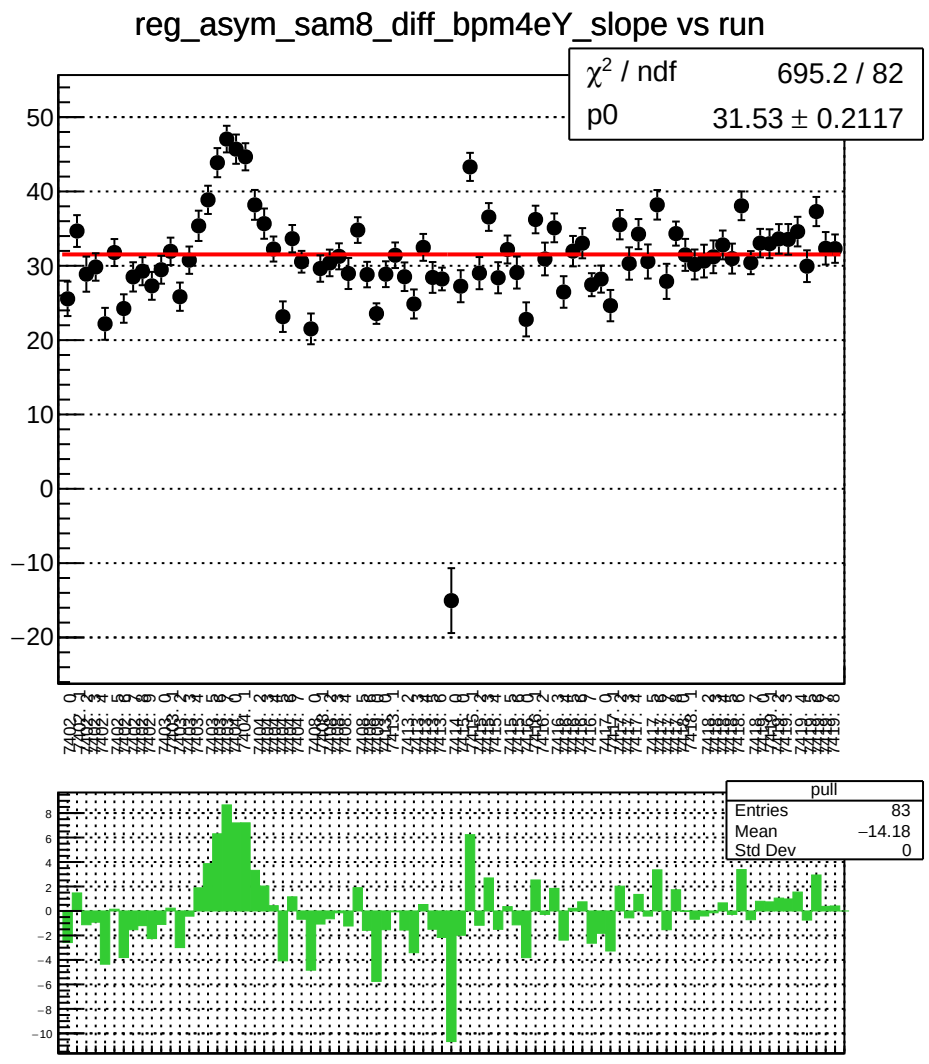

pull1D
Entries 83
Mean −1.056
Std Dev 2.971

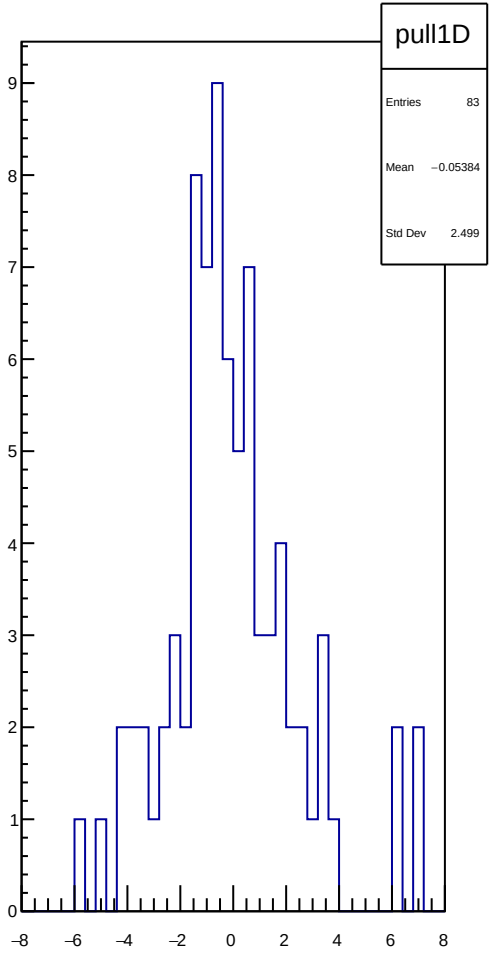

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1077 / 82
p0 −24.05 ± 0.2011
pull
Entries 83
Mean 102.5
Std Dev 0

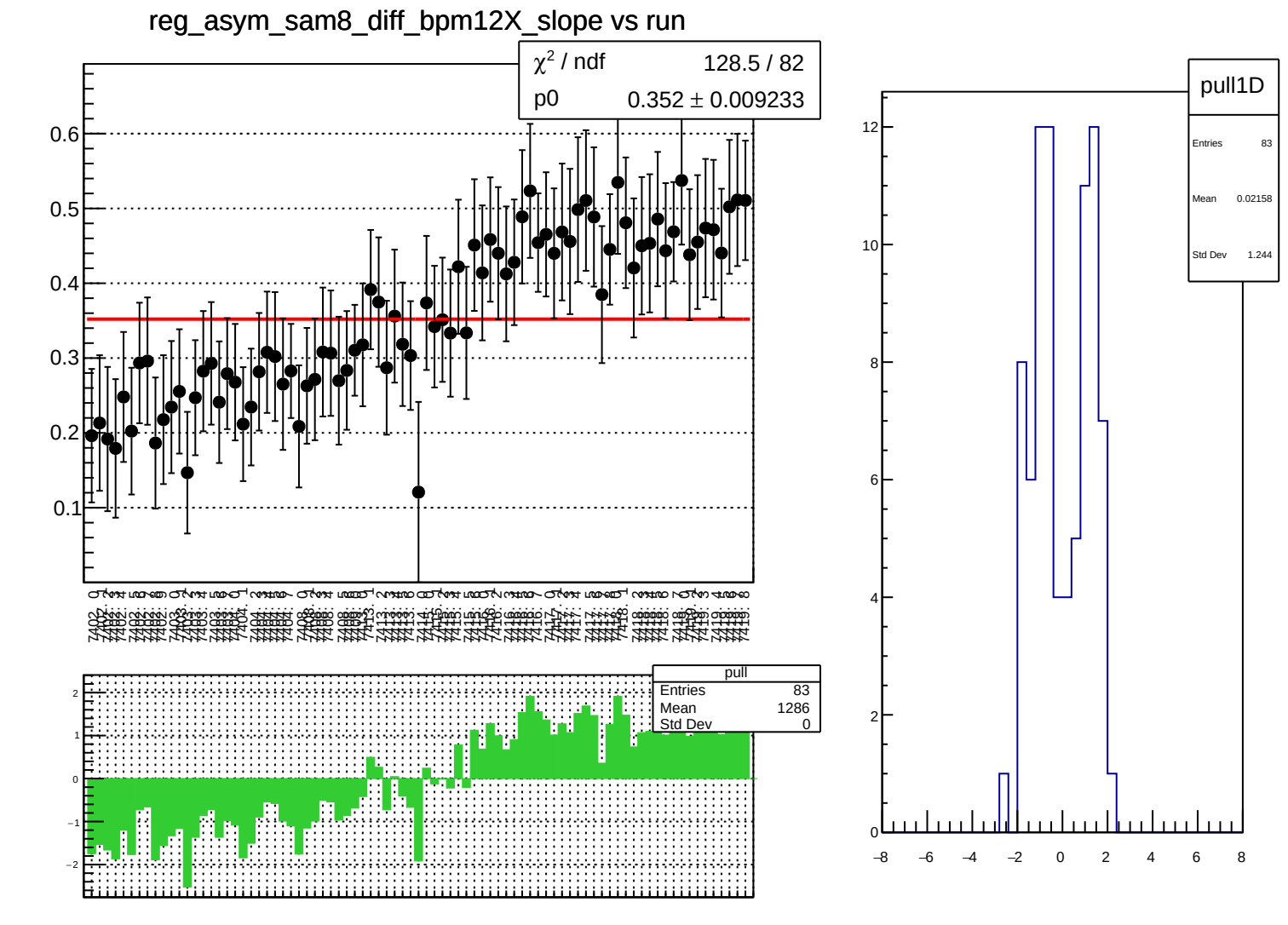

pull1D
Entries 83
Mean 0.6619
Std Dev 2.433

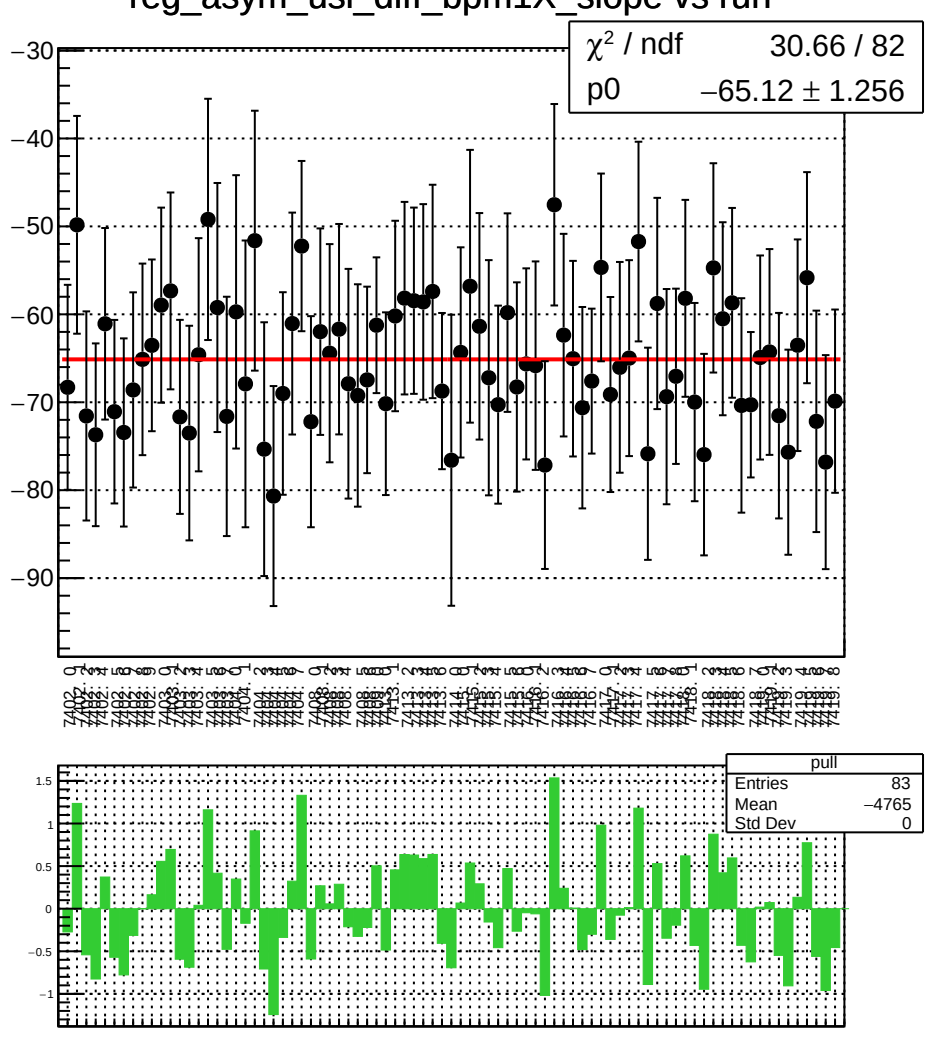

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2022 / 82
p0 −13.81 ± 0.208
pull
Entries 83
Mean 6.956
Std Dev 0

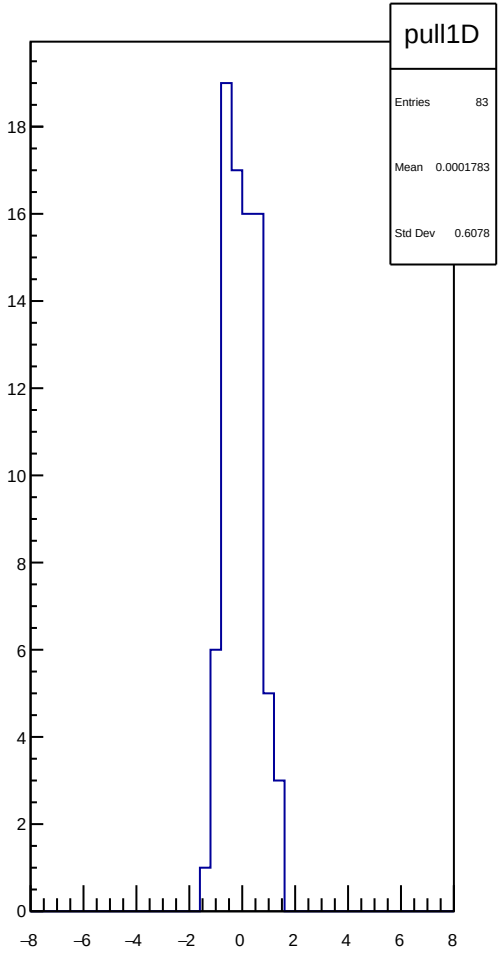

pull1D
Entries 83
Mean 0.8723
Std Dev 2.911

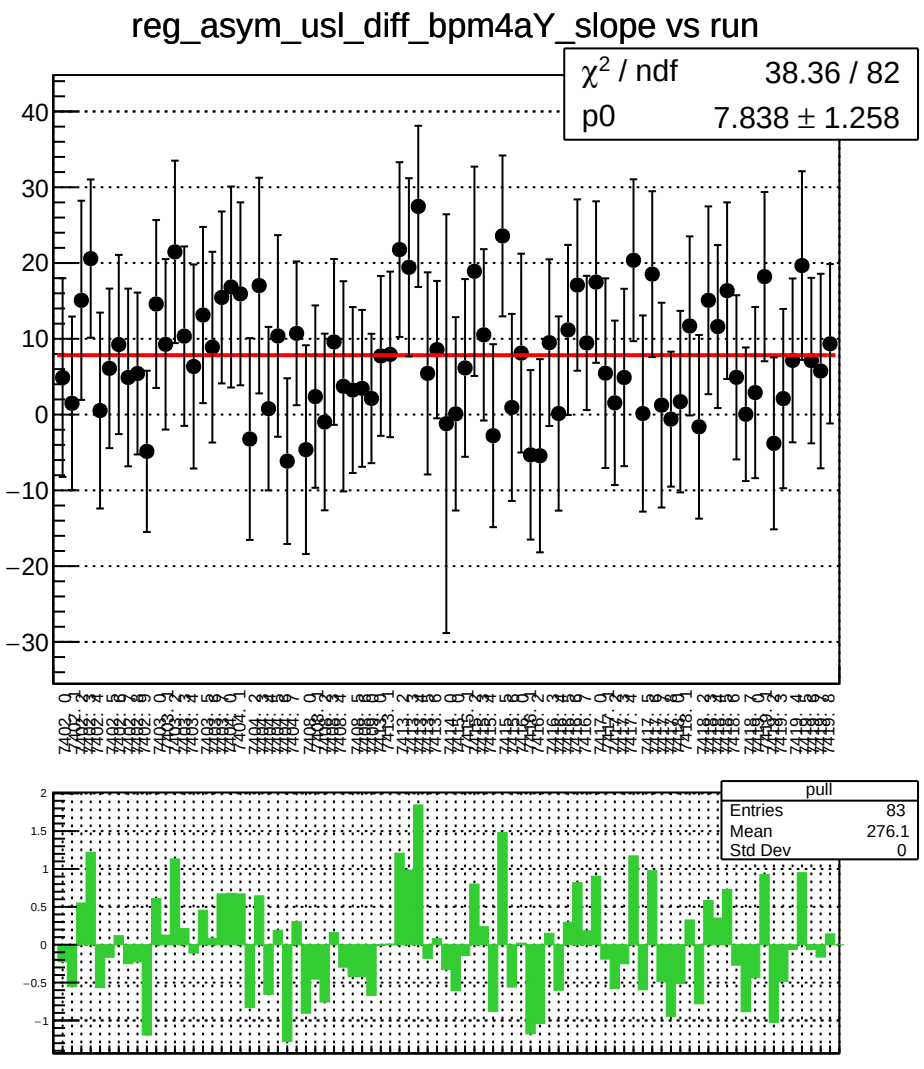

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 695.2 / 82
p0 31.53 ± 0.2117
pull
Entries 83
Mean −14.18
Std Dev 0

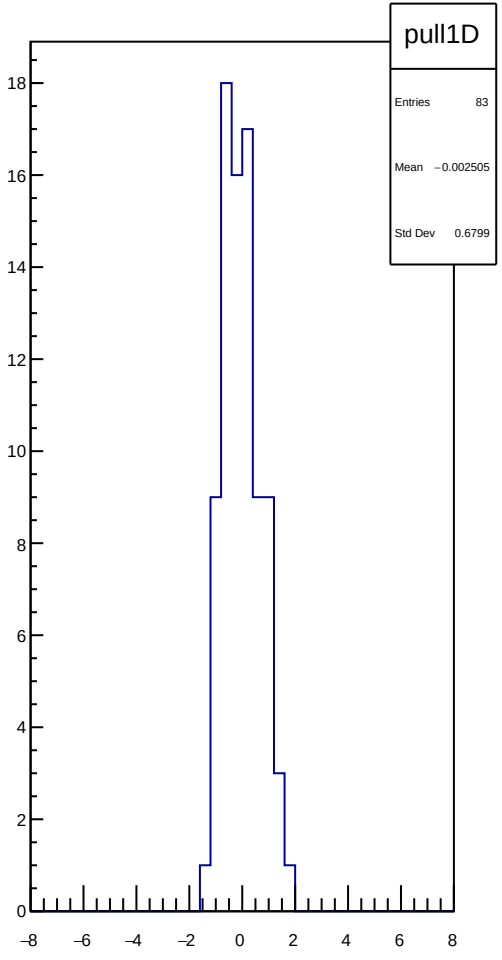

pull1D
Entries 83
Mean −0.05384
Std Dev 2.499

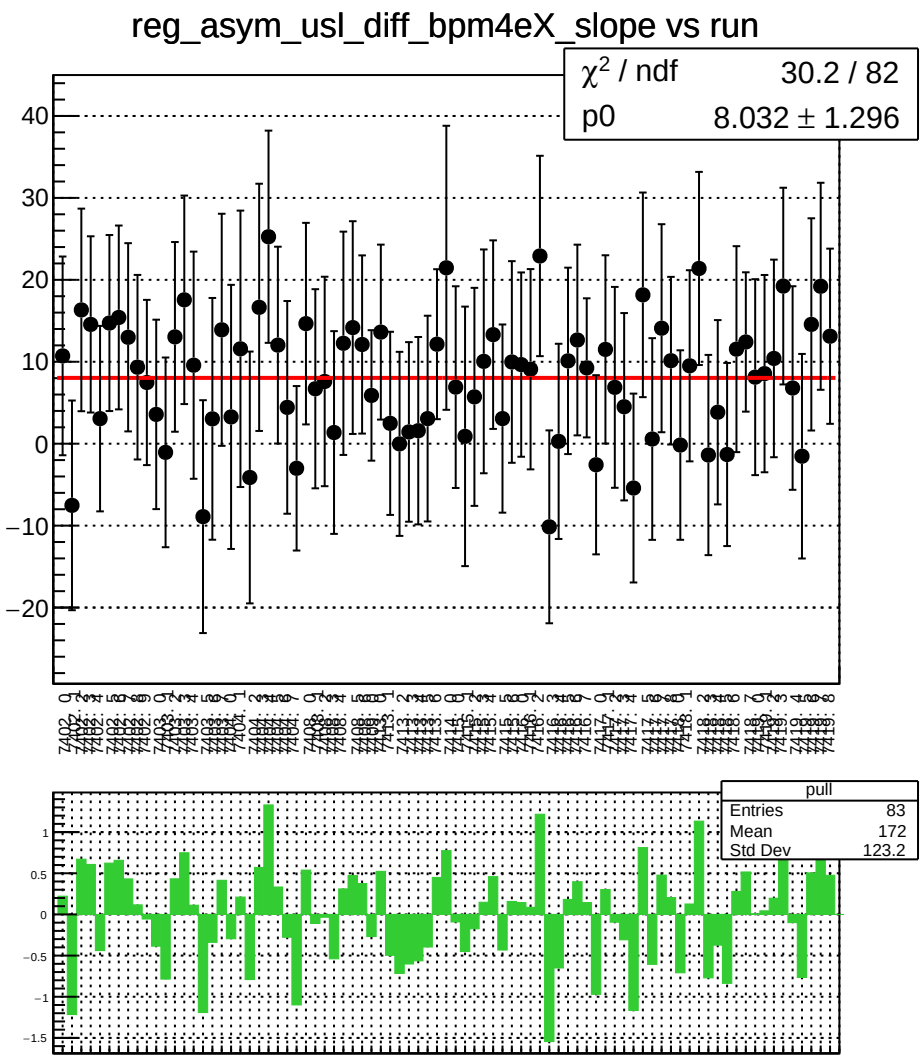

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 128.5 / 82
p0 0.352 ± 0.009233
pull
Entries 83
Mean 1286
Std Dev 0
pull1D
Entries 83
Mean 0.02158
Std Dev 1.244

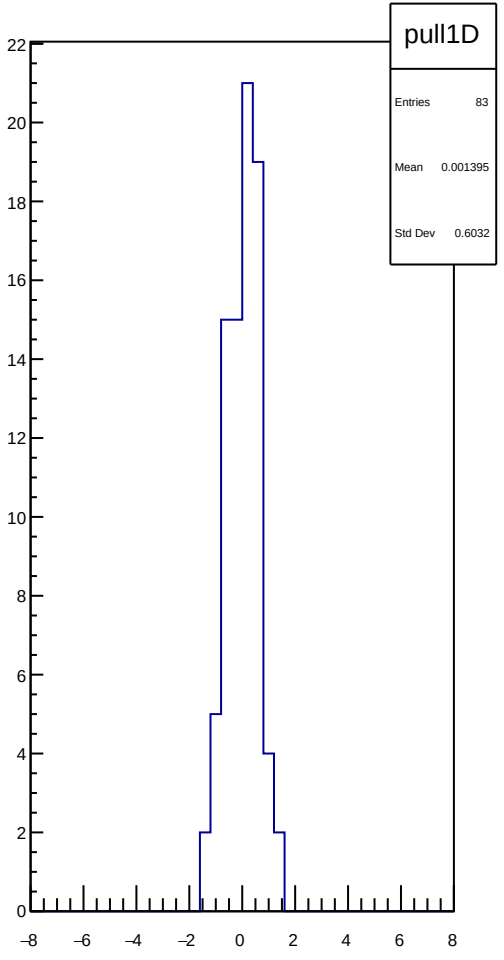

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 30.66 / 82
p0 −65.12 ± 1.256
pull
Entries 83
Mean −4765
Std Dev 0

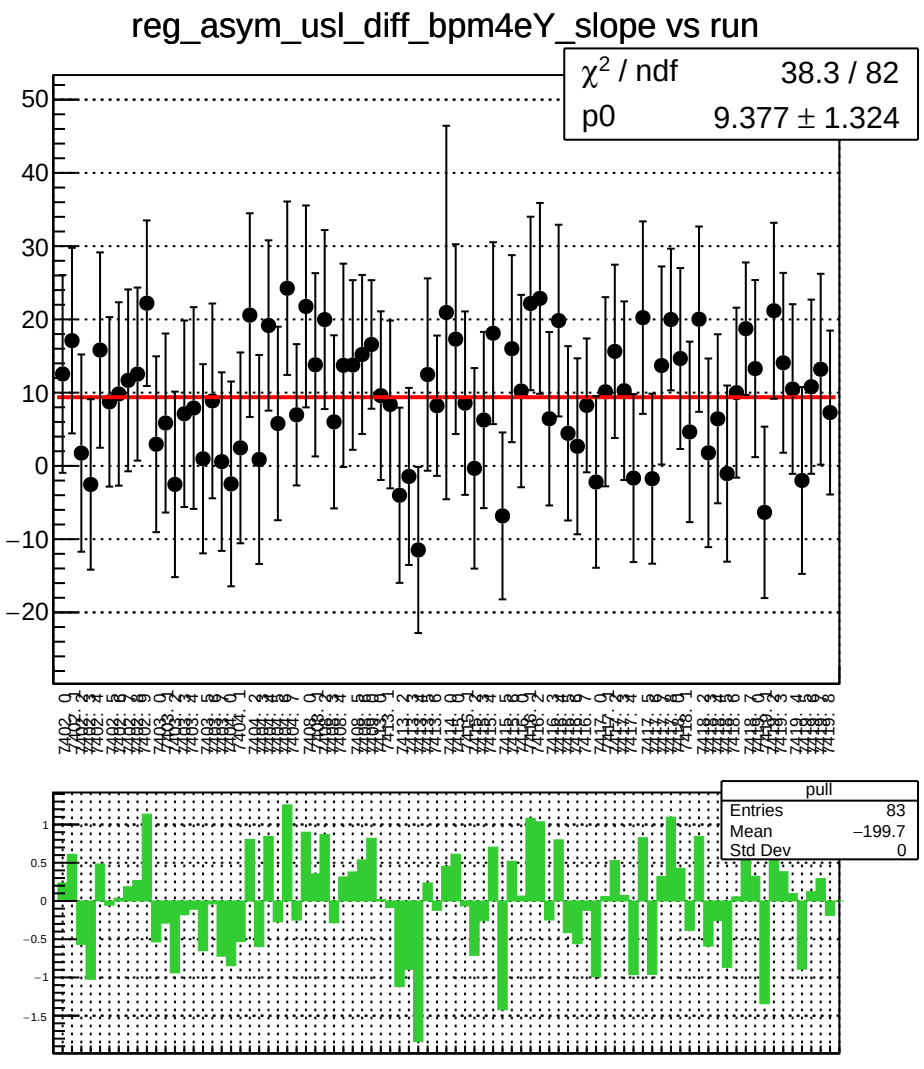

pull1D
Entries 83
Mean 0.0001783
Std Dev 0.6078

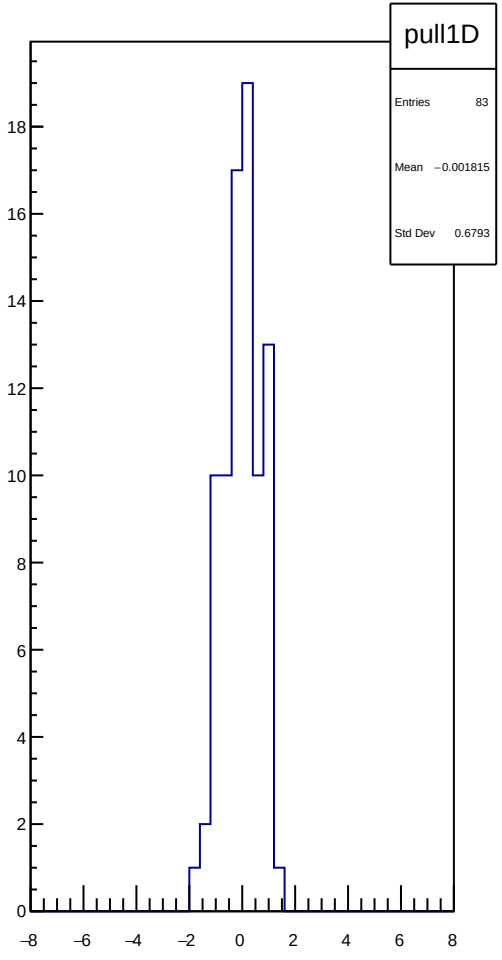

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 38.36 / 82
p0 7.838 ± 1.258
pull
Entries 83
Mean 276.1
Std Dev 0

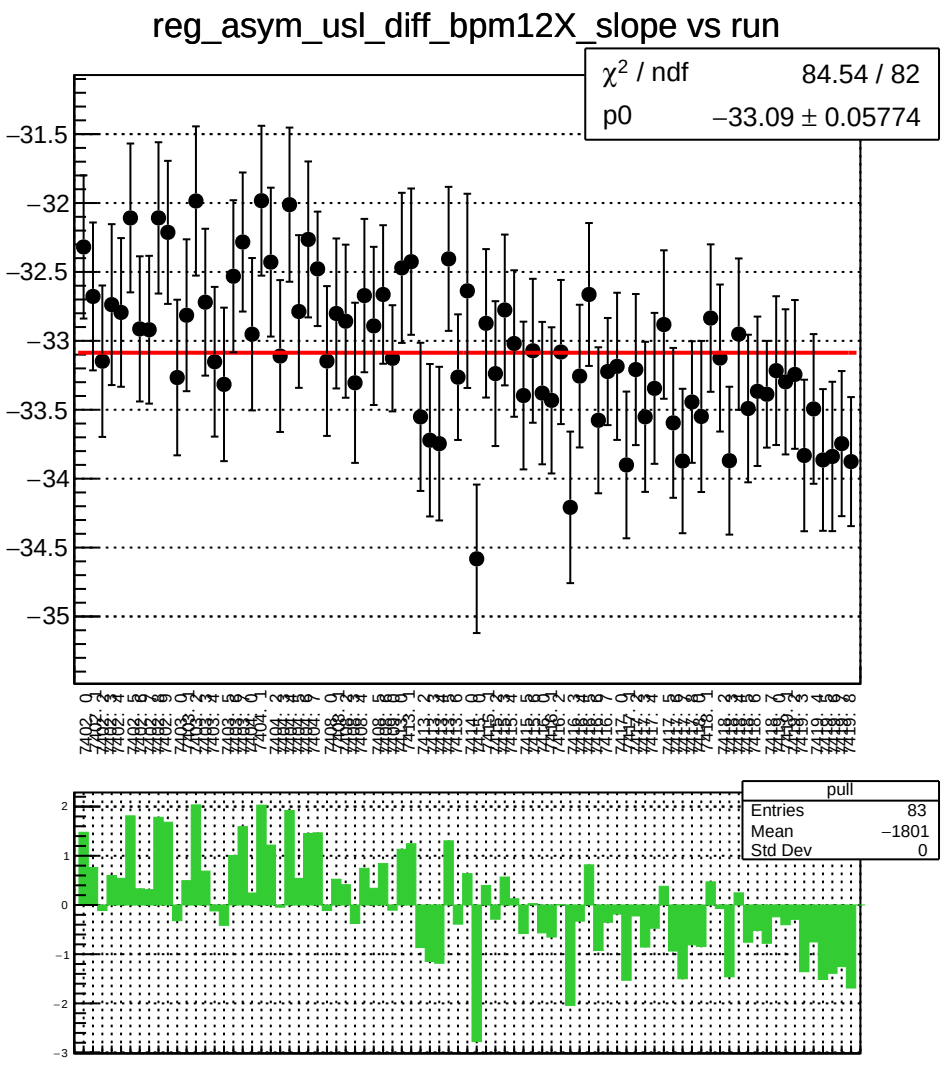

pull1D
Entries 83
Mean −0.002505
Std Dev 0.6799

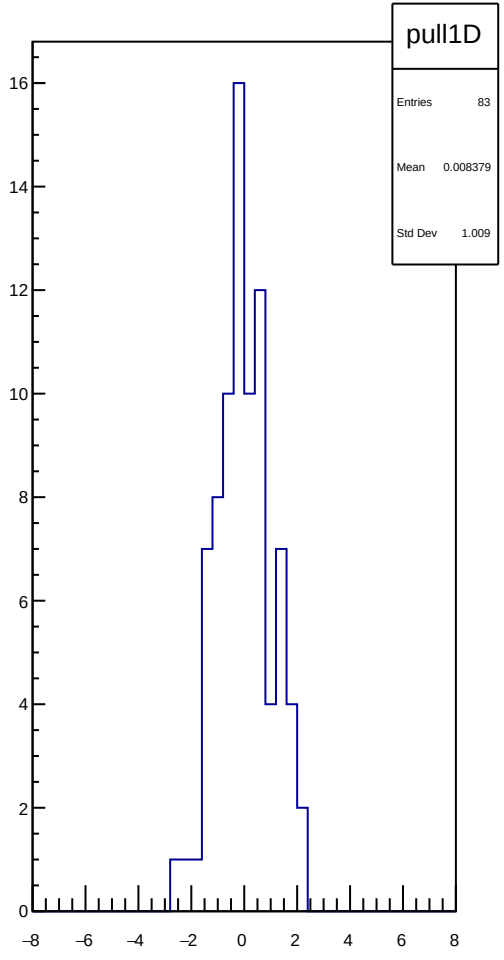

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 30.2 / 82
p0 8.032 ± 1.296
pull
Entries 83
Mean 172
Std Dev 123.2

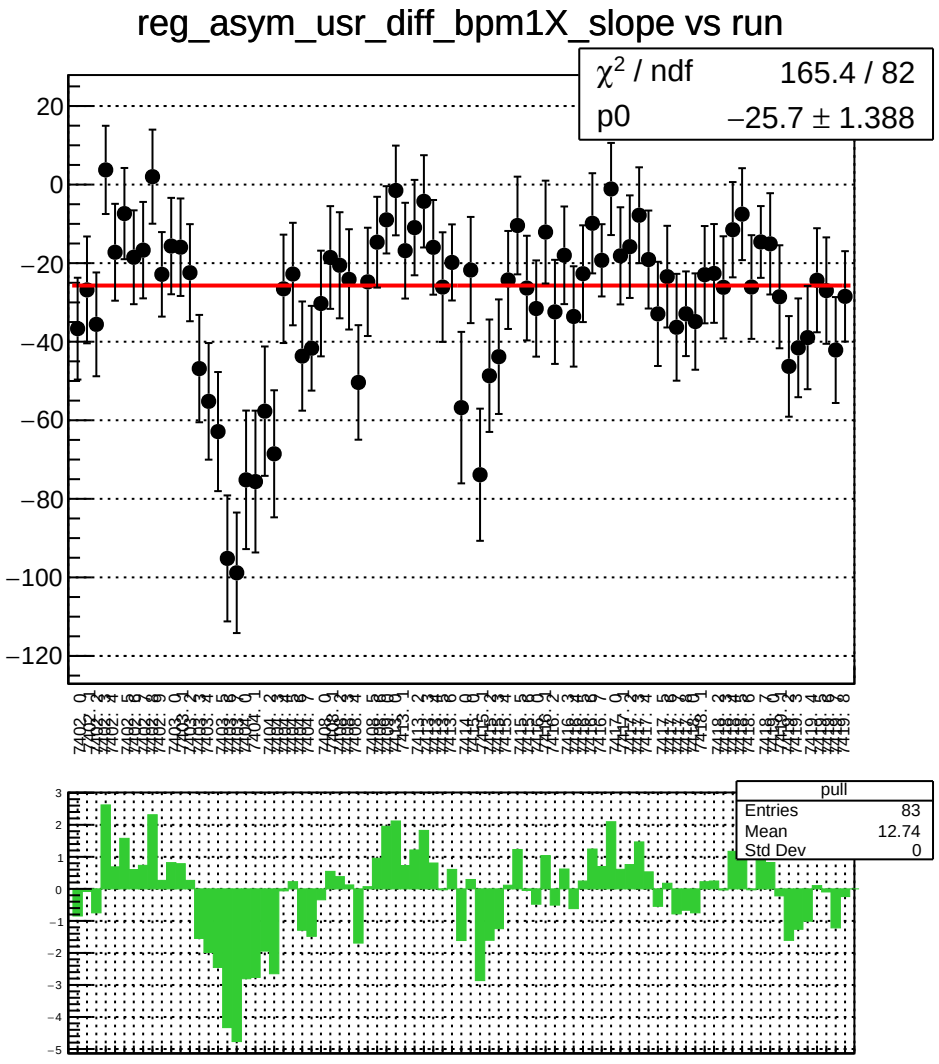

pull1D
Entries 83
Mean 0.001395
Std Dev 0.6032

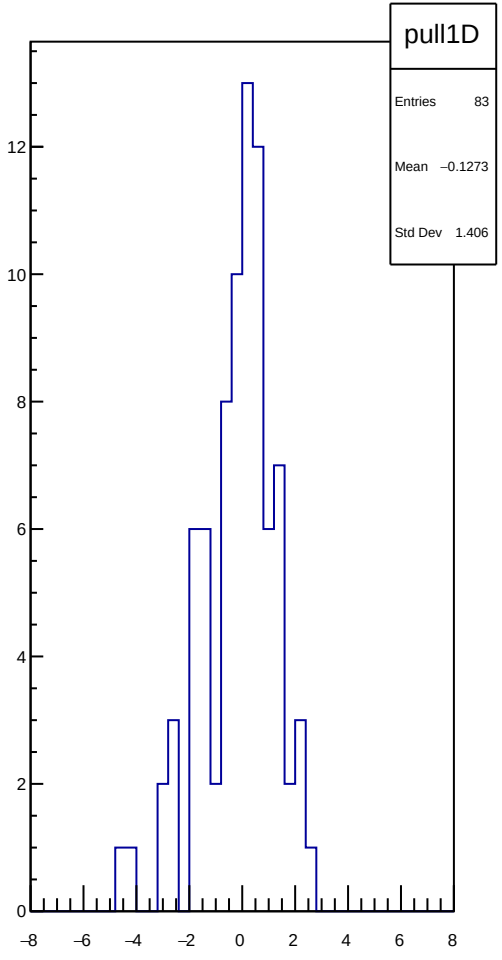

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 38.3 / 82
p0 9.377 ± 1.324
pull
Entries 83
Mean −199.7
Std Dev 0

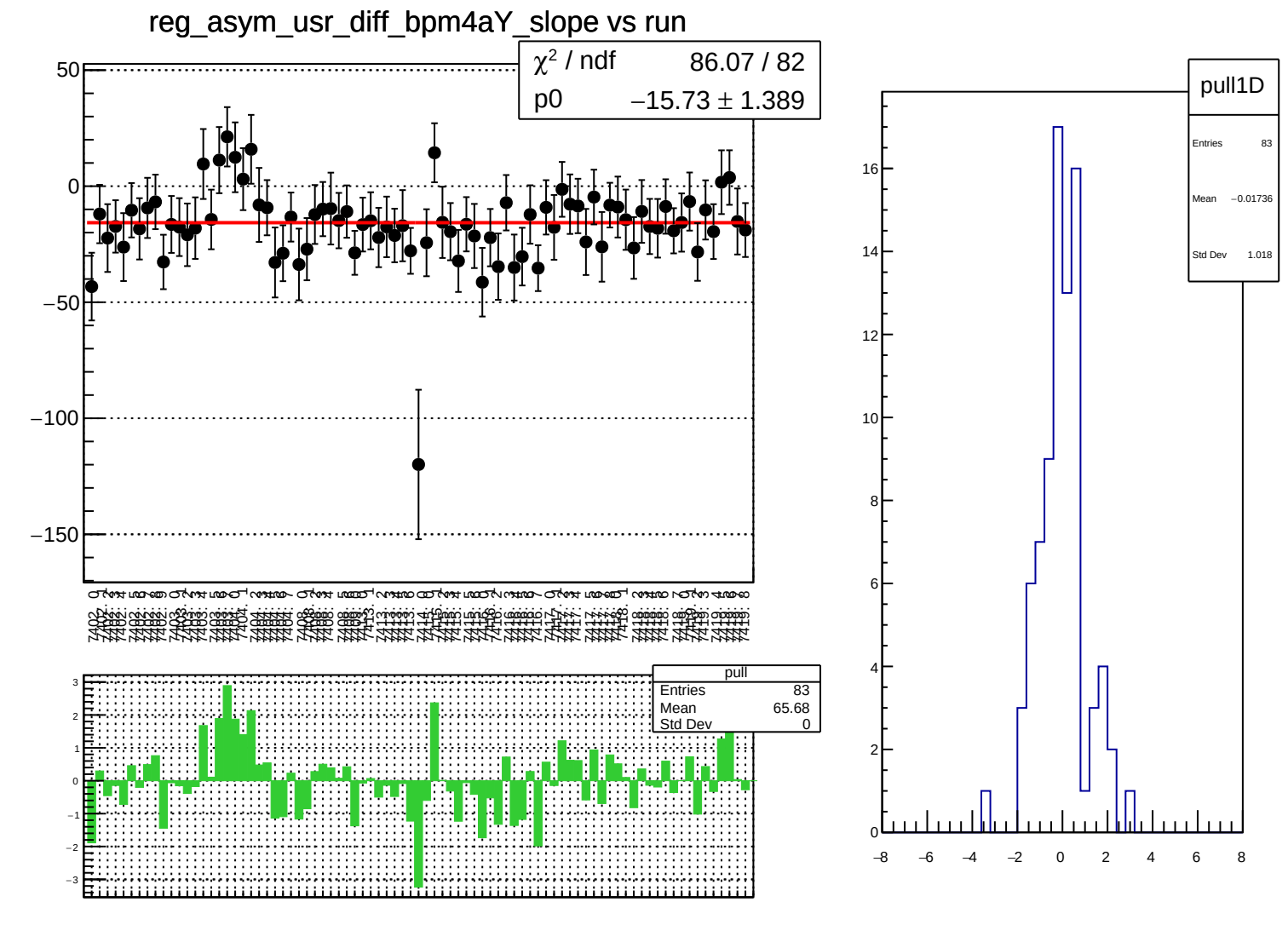

pull1D
Entries 83
Mean −0.001815
Std Dev 0.6793

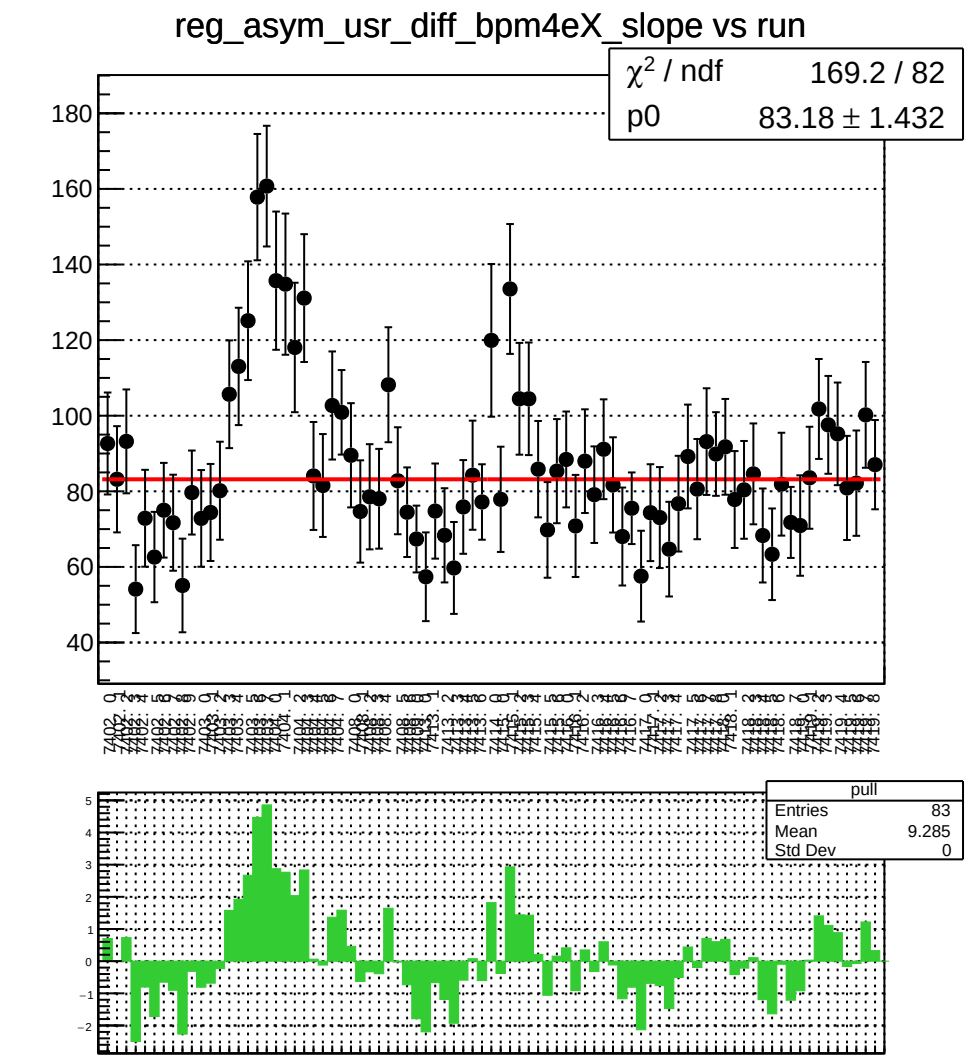

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 84.54 / 82
p0 −33.09 ± 0.05774
pull
Entries 83
Mean −1801
Std Dev 0

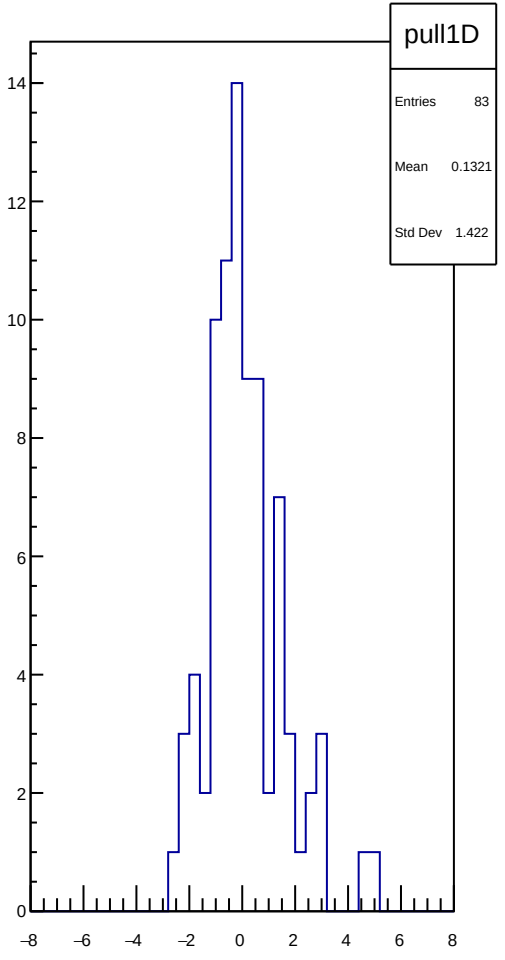

pull1D
Entries 83
Mean 0.008379
Std Dev 1.009

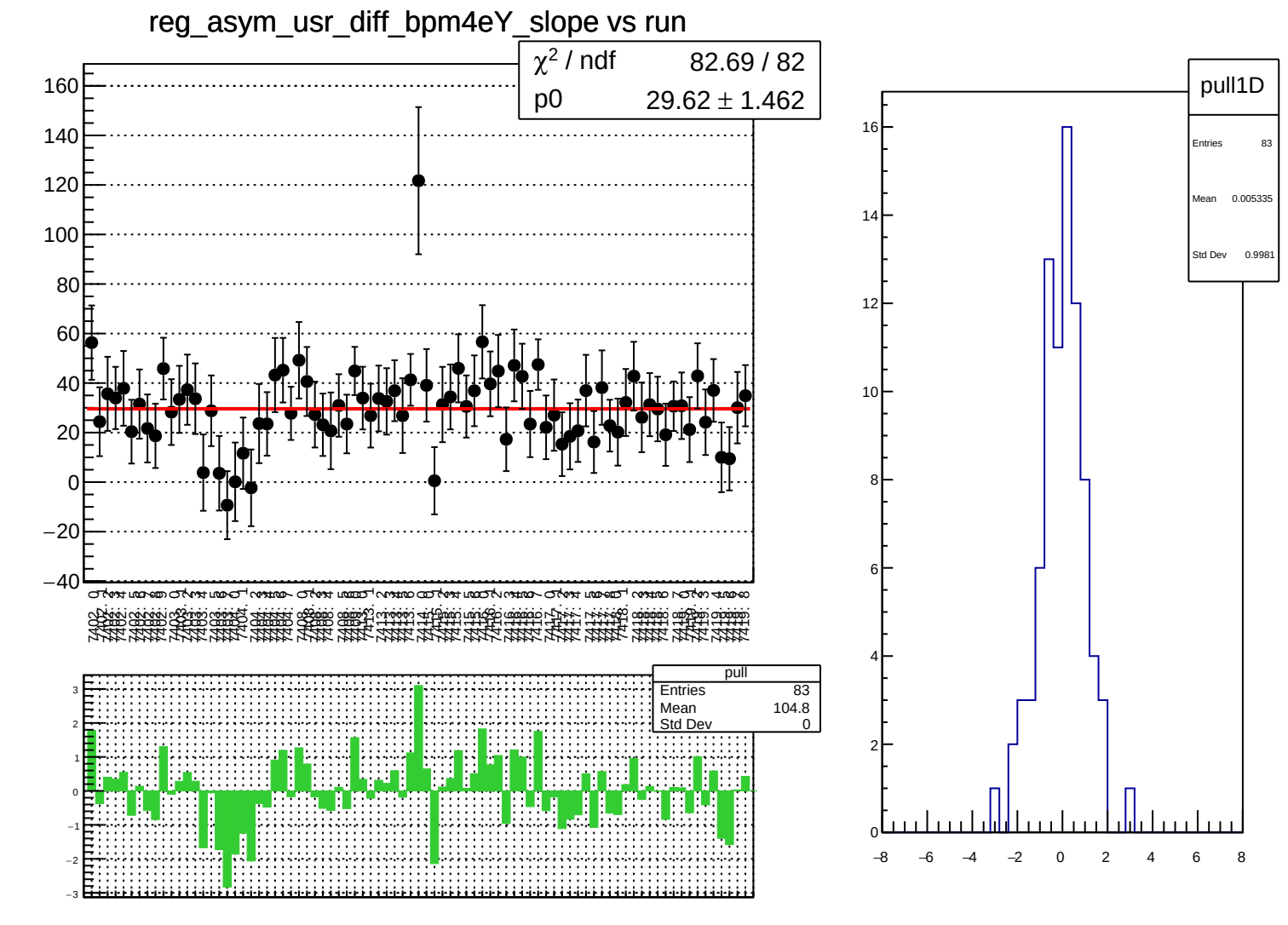

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 165.4 / 82
p0 −25.7 ± 1.388
pull
Entries 83
Mean 12.74
Std Dev 0

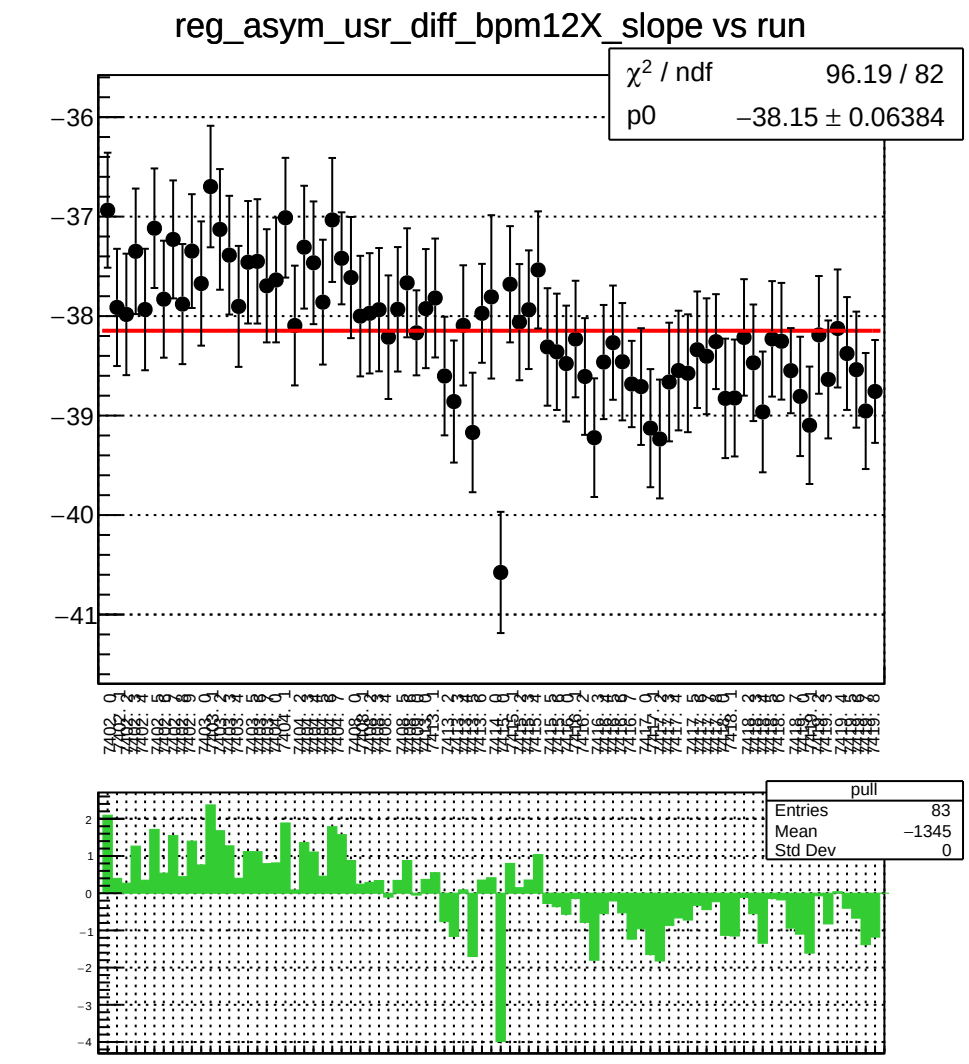

pull1D
Entries 83
Mean −0.1273
Std Dev 1.406

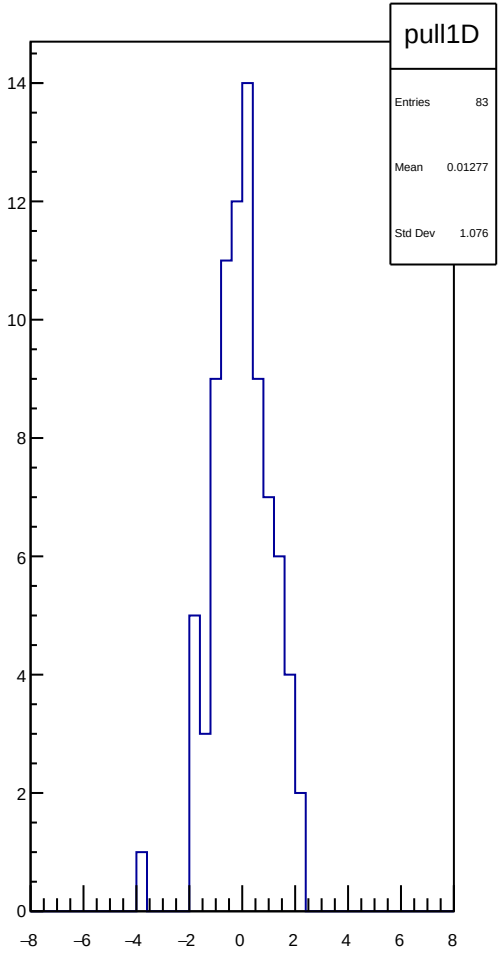

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 86.07 / 82
p0 −15.73 ± 1.389
50
0
−50
−100
−150
pull
Entries 83
Mean 65.68
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.01736
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

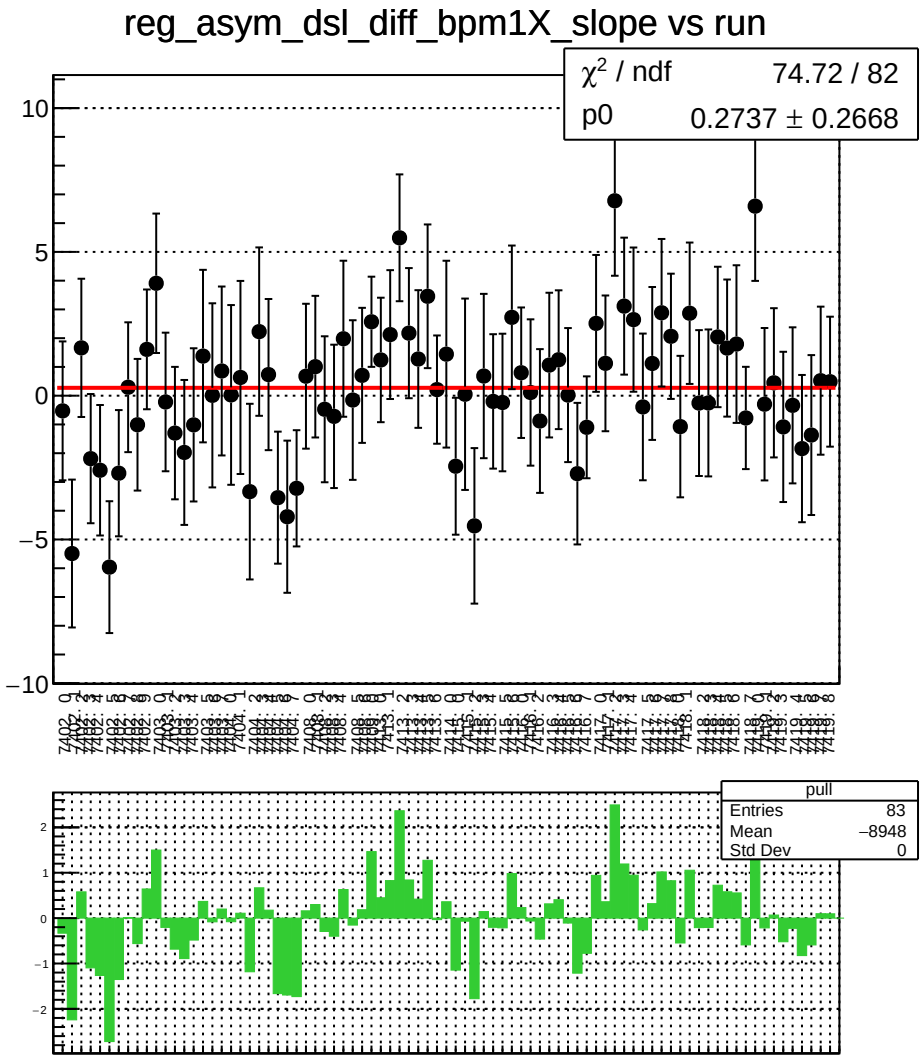

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 169.2 / 82
p0 83.18 ± 1.432
pull
Entries 83
Mean 9.285
Std Dev 0

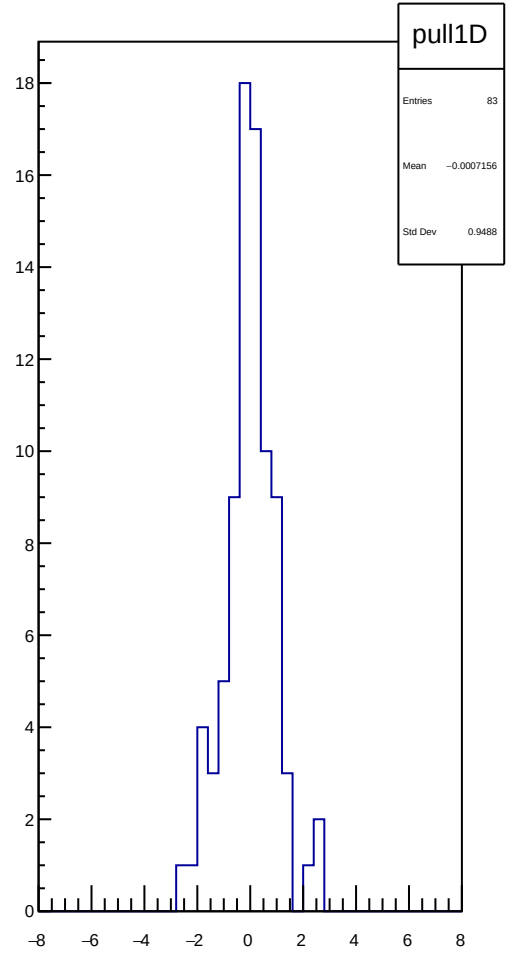

pull1D
Entries 83
Mean 0.1321
Std Dev 1.422

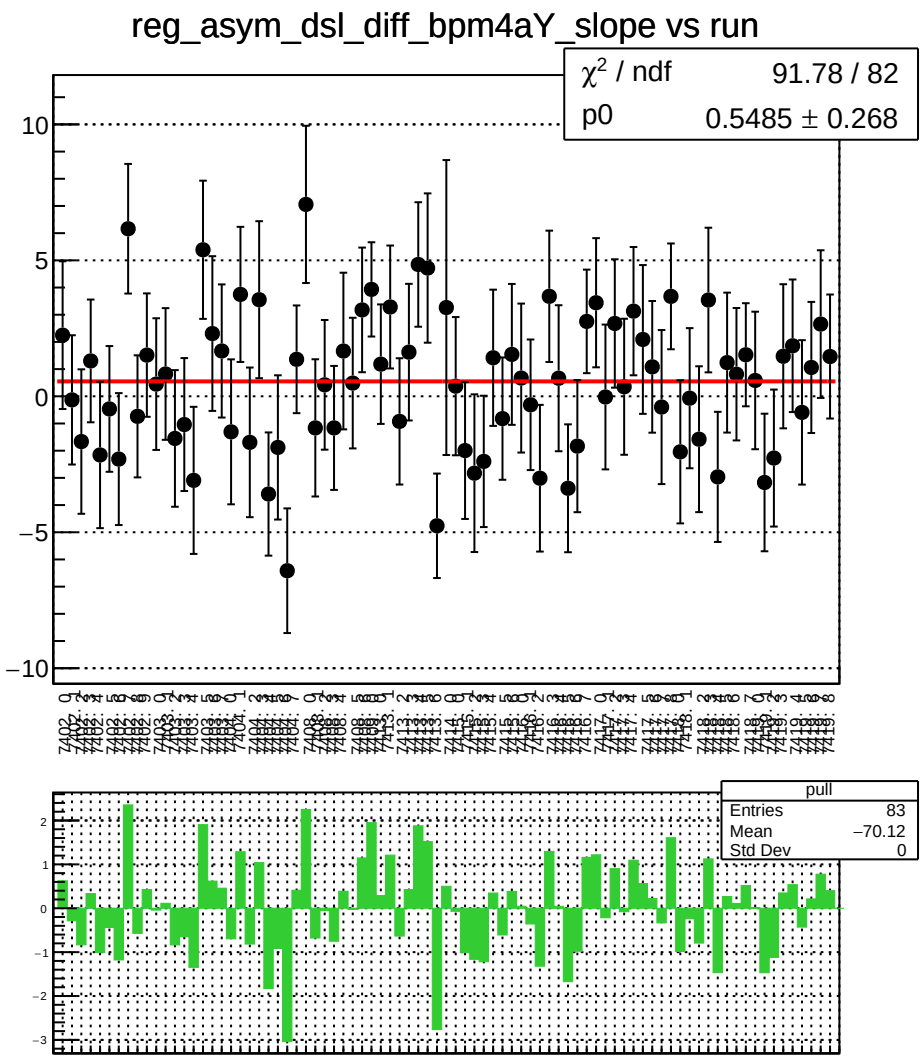

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 82.69 / 82
p0 29.62 ± 1.462
pull
Entries 83
Mean 104.8
Std Dev 0
pull1D
Entries 83
Mean 0.005335
Std Dev 0.9981

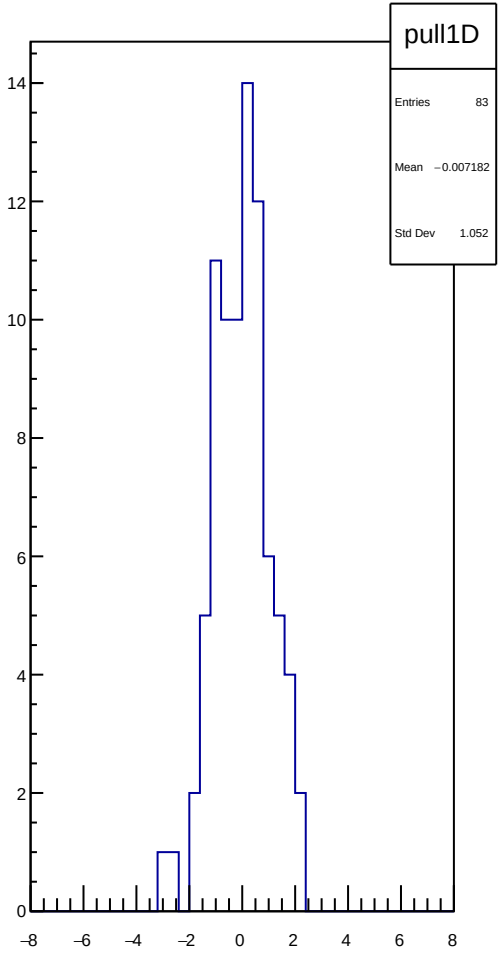

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 96.19 / 82
p0 −38.15 ± 0.06384
pull
Entries 83
Mean −1345
Std Dev 0

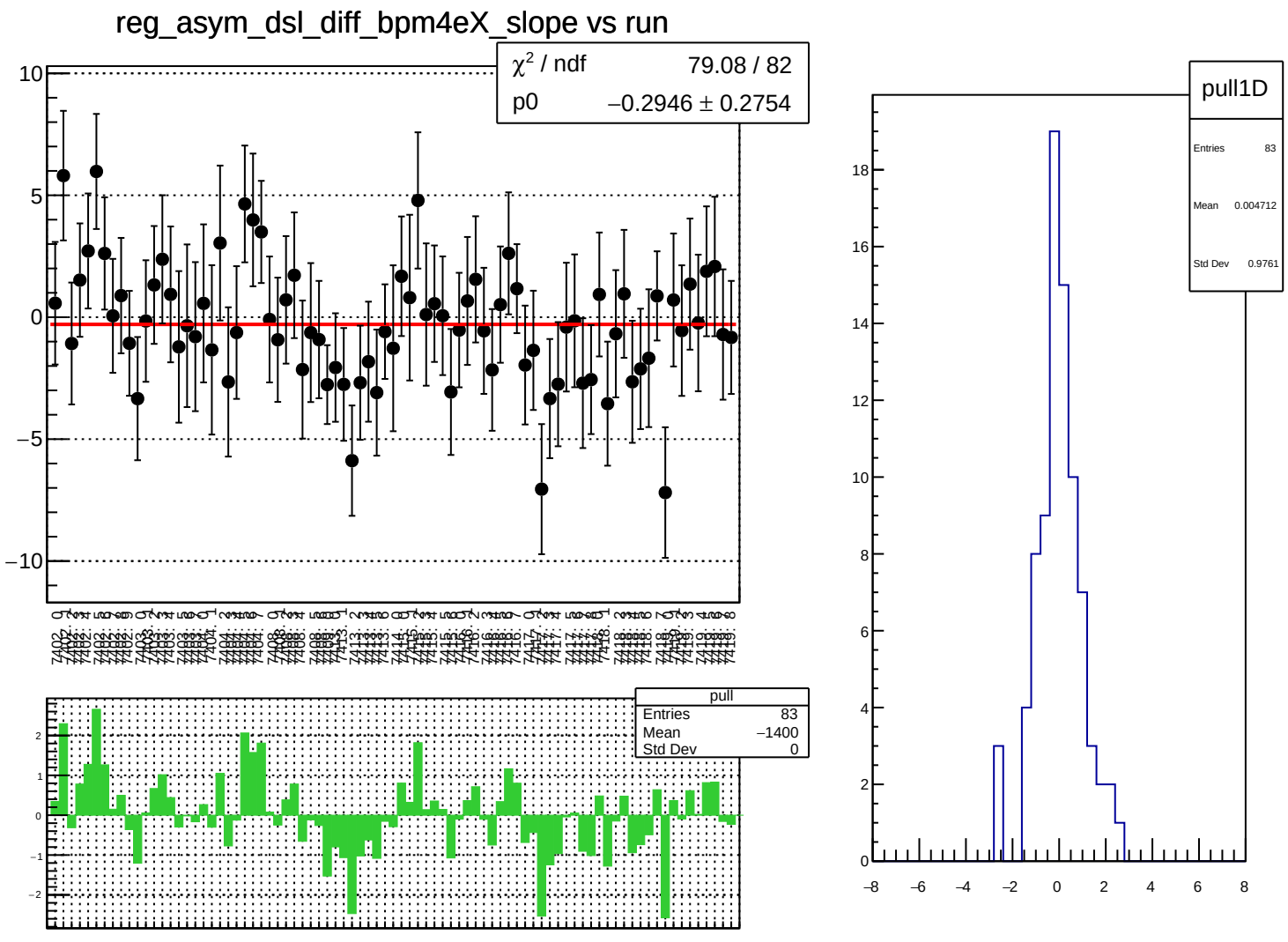

pull1D
Entries 83
Mean 0.01277
Std Dev 1.076

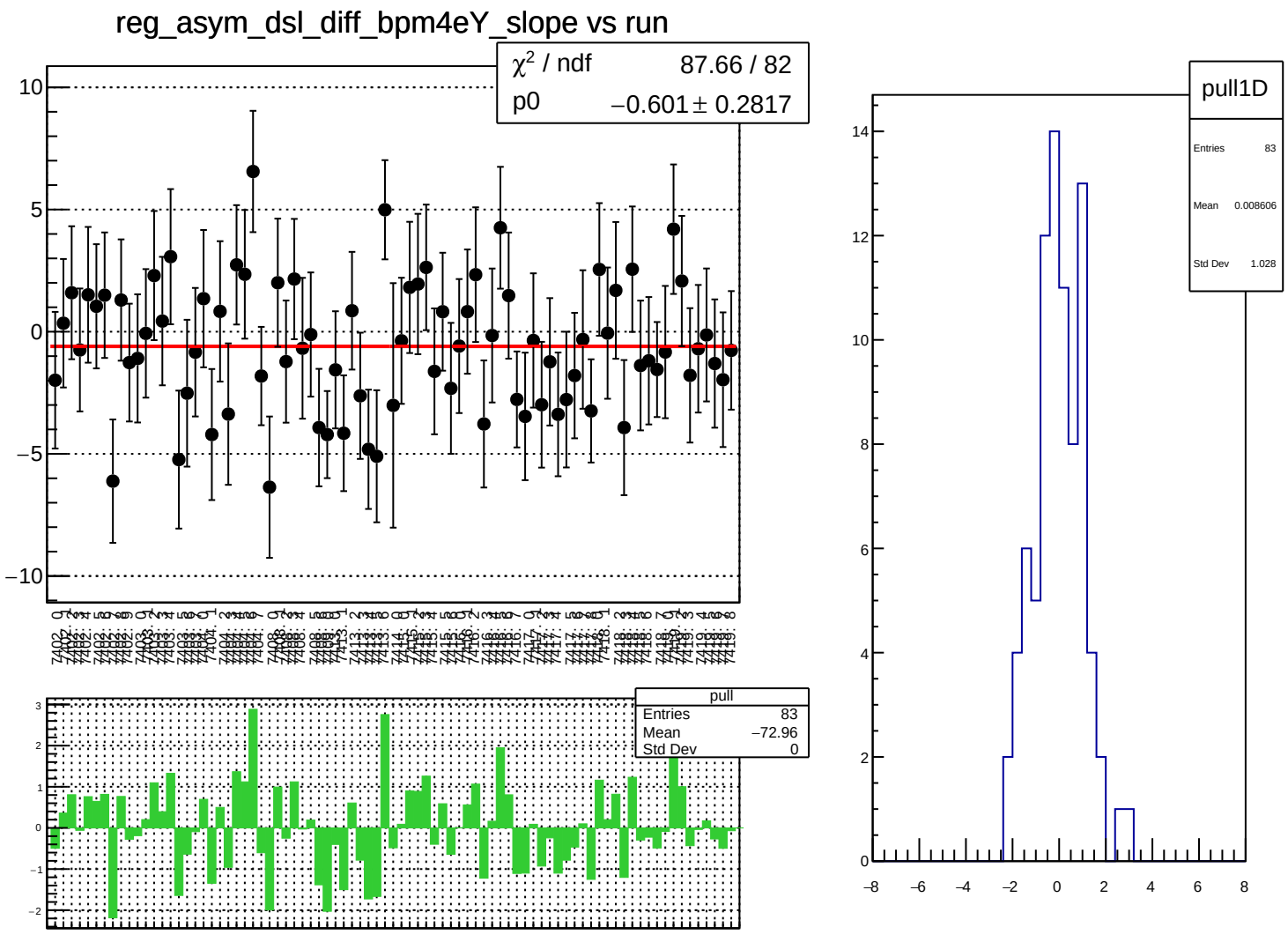

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 74.72 / 82
p0 0.2737 ± 0.2668
pull
Entries 83
Mean −8948
Std Dev 0

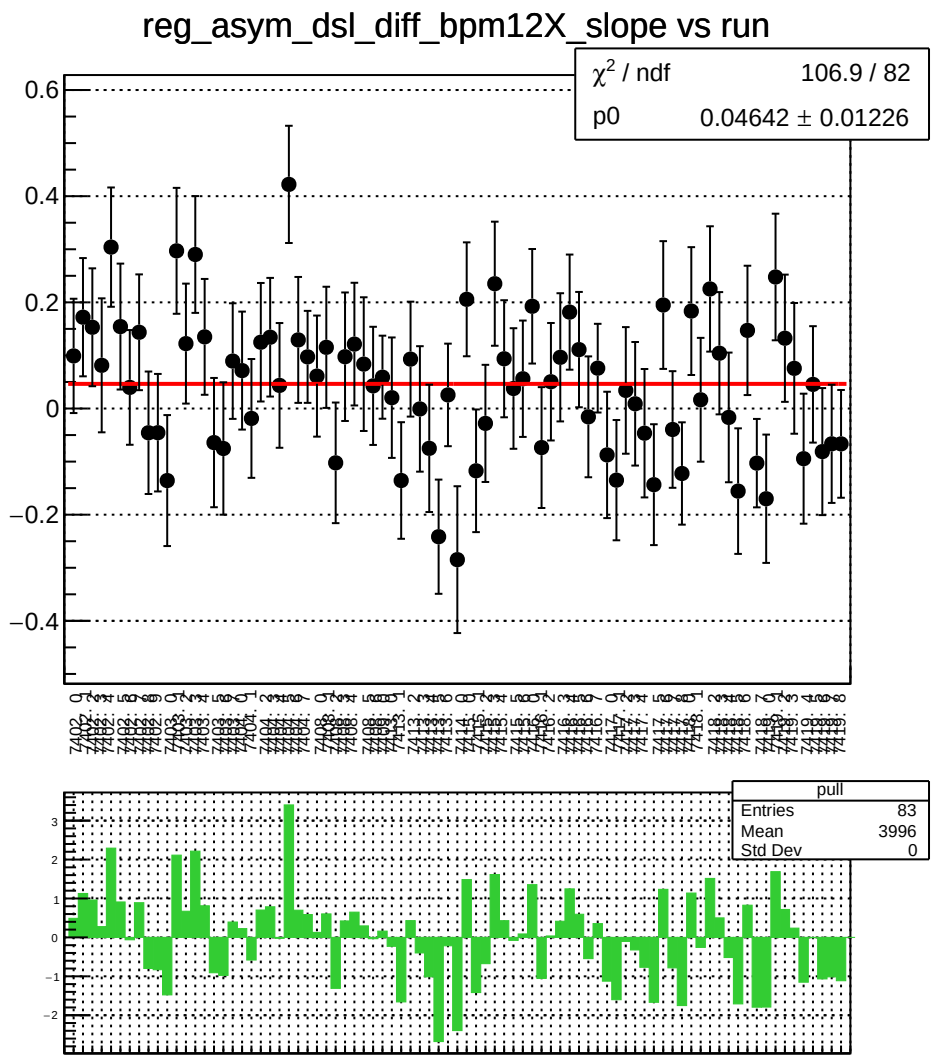

pull1D
Entries 83
Mean −0.0007156
Std Dev 0.9488

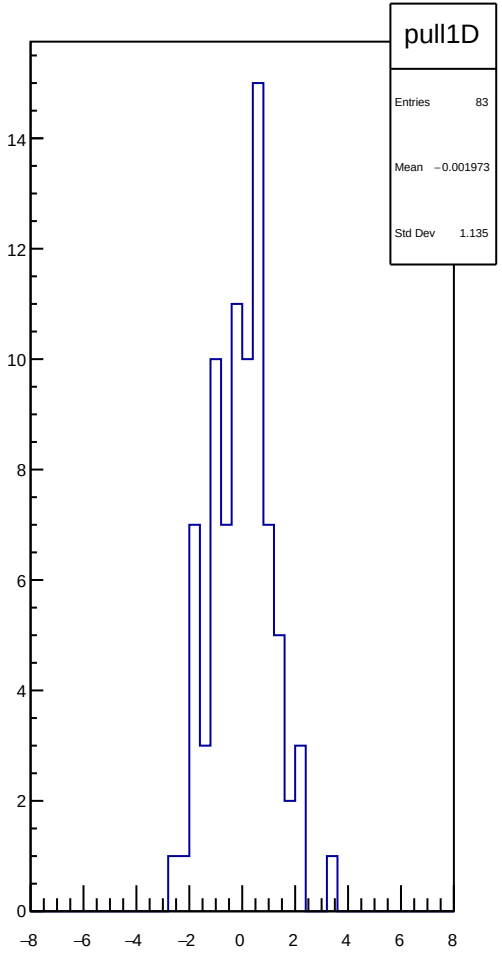

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 91.78 / 82
p0 0.5485 ± 0.268
pull
Entries 83
Mean −70.12
Std Dev 0

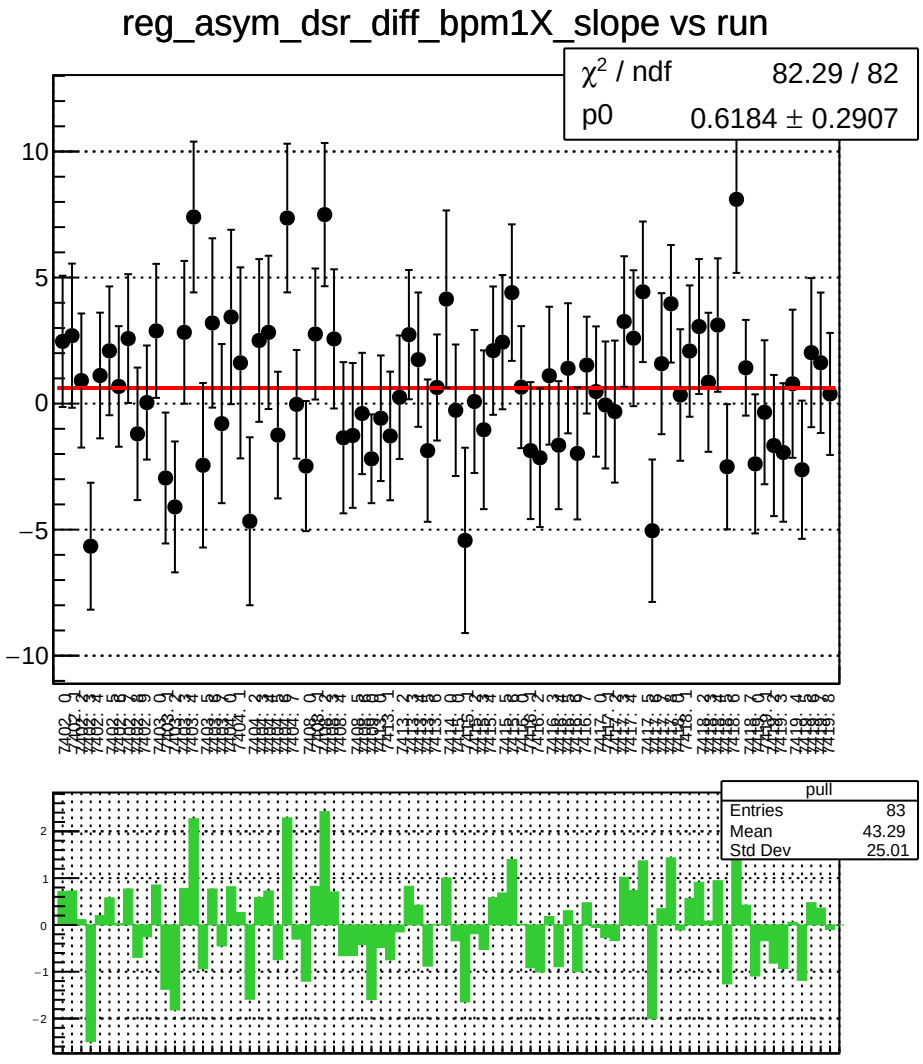

pull1D
Entries 83
Mean −0.007182
Std Dev 1.052

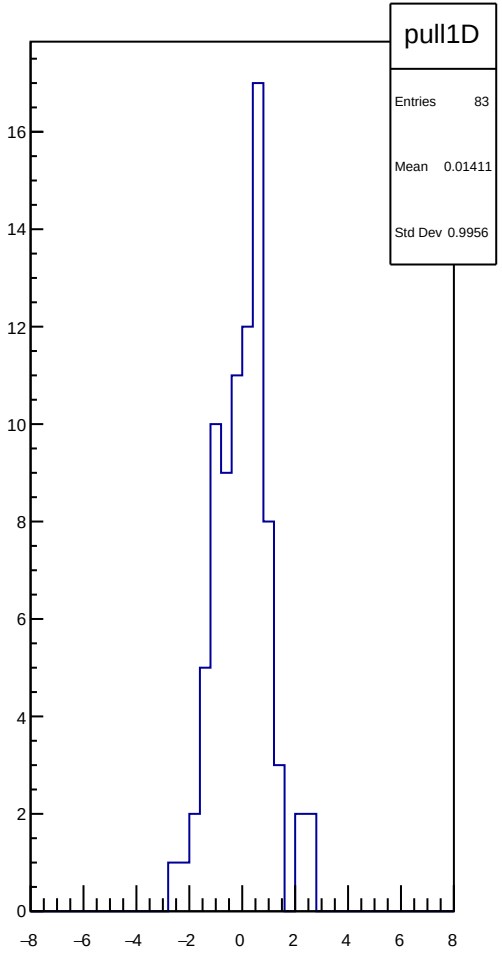

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 79.08 / 82
p0 −0.2946 ± 0.2754
pull
Entries 83
Mean −1400
Std Dev 0
pull1D
Entries 83
Mean 0.004712
Std Dev 0.9761

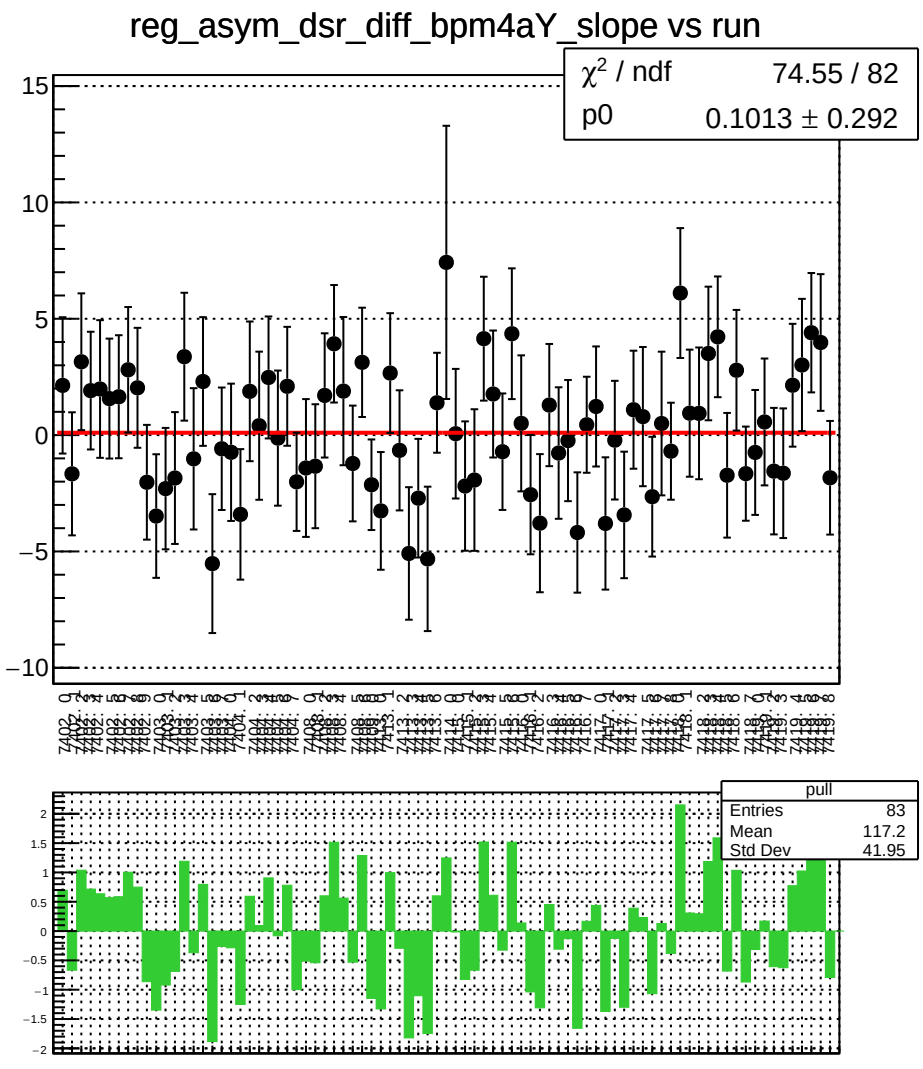

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 87.66 / 82
p0 −0.601 ± 0.2817
pull
Entries 83
Mean −72.96
Std Dev 0
pull1D
Entries 83
Mean 0.008606
Std Dev 1.028

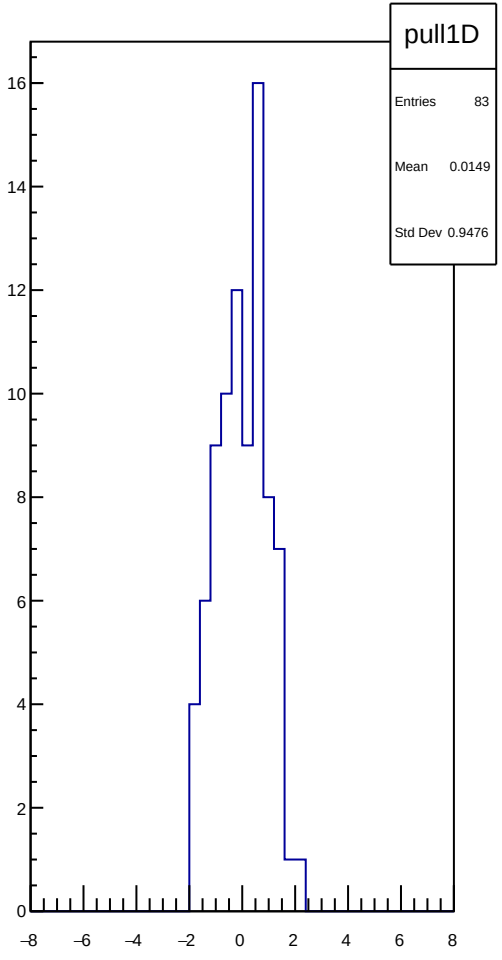

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 106.9 / 82
p0 0.04642 ± 0.01226
pull
Entries 83
Mean 3996
Std Dev 0

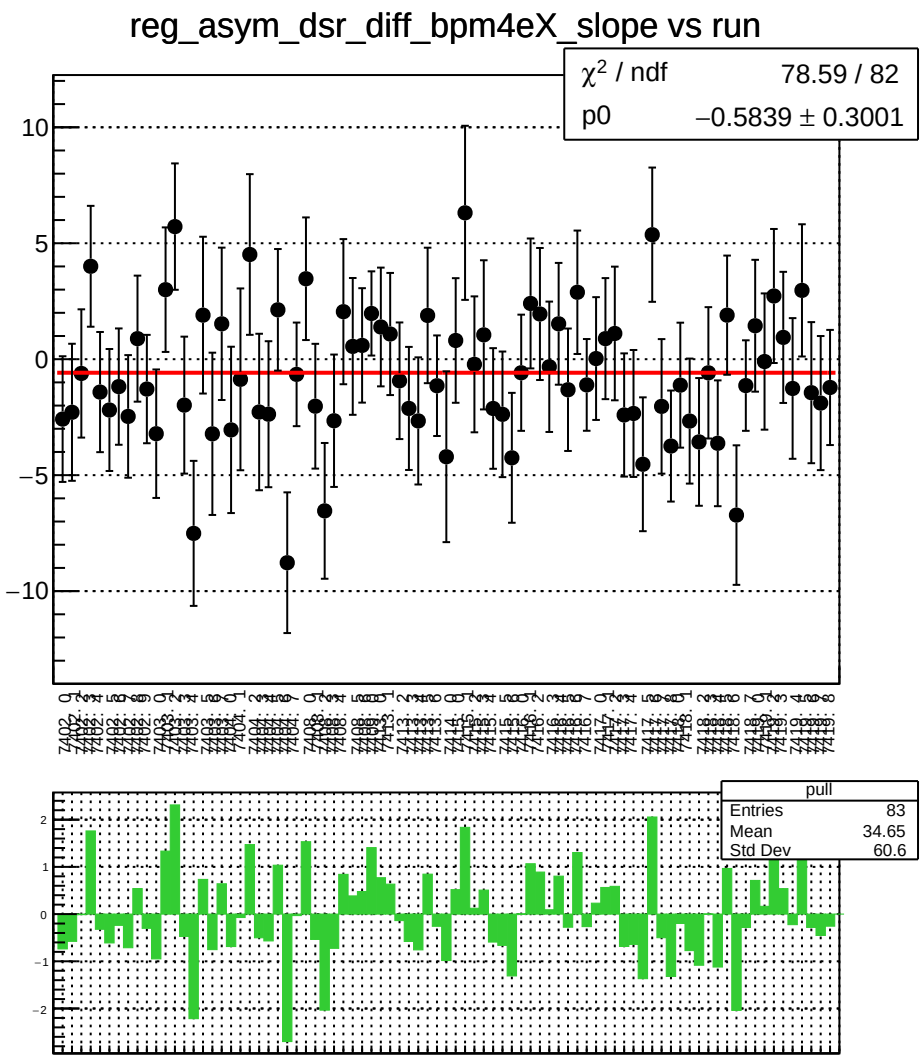

pull1D
Entries 83
Mean −0.001973
Std Dev 1.135

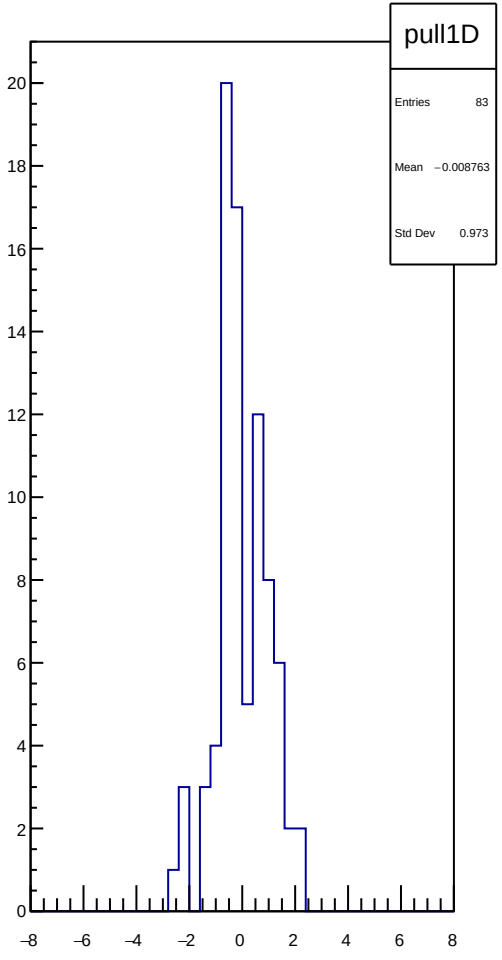

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 82.29 / 82
p0 0.6184 ± 0.2907
pull
Entries 83
Mean 43.29
Std Dev 25.01

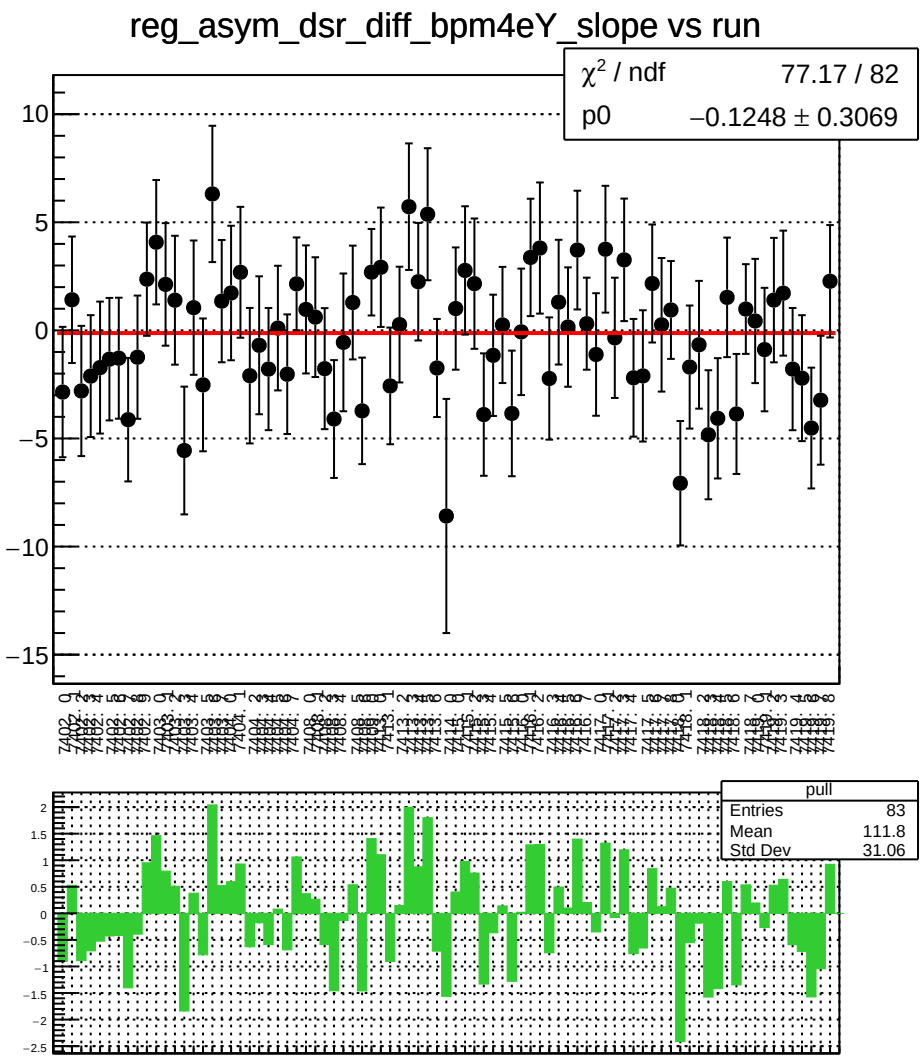

pull1D
Entries 83
Mean 0.01411
Std Dev 0.9956

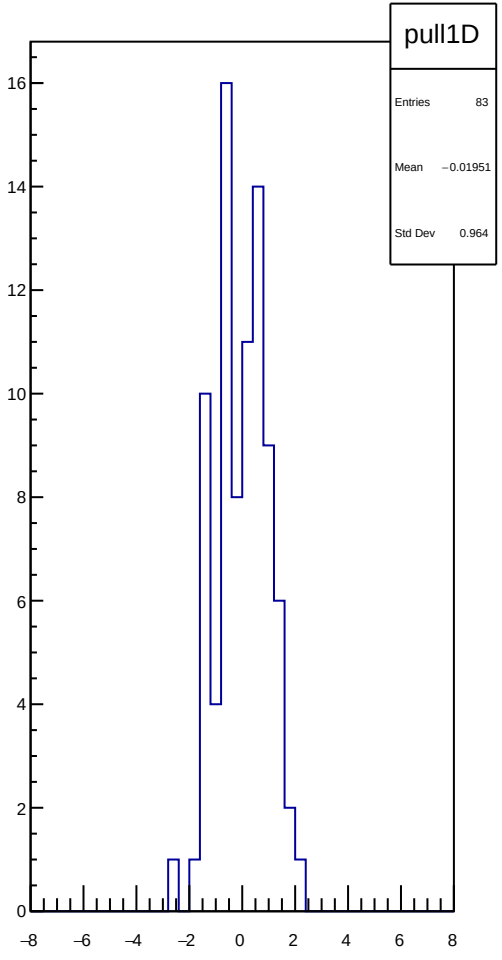

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 74.55 / 82
p0 0.1013 ± 0.292
pull
Entries 83
Mean 117.2
Std Dev 41.95

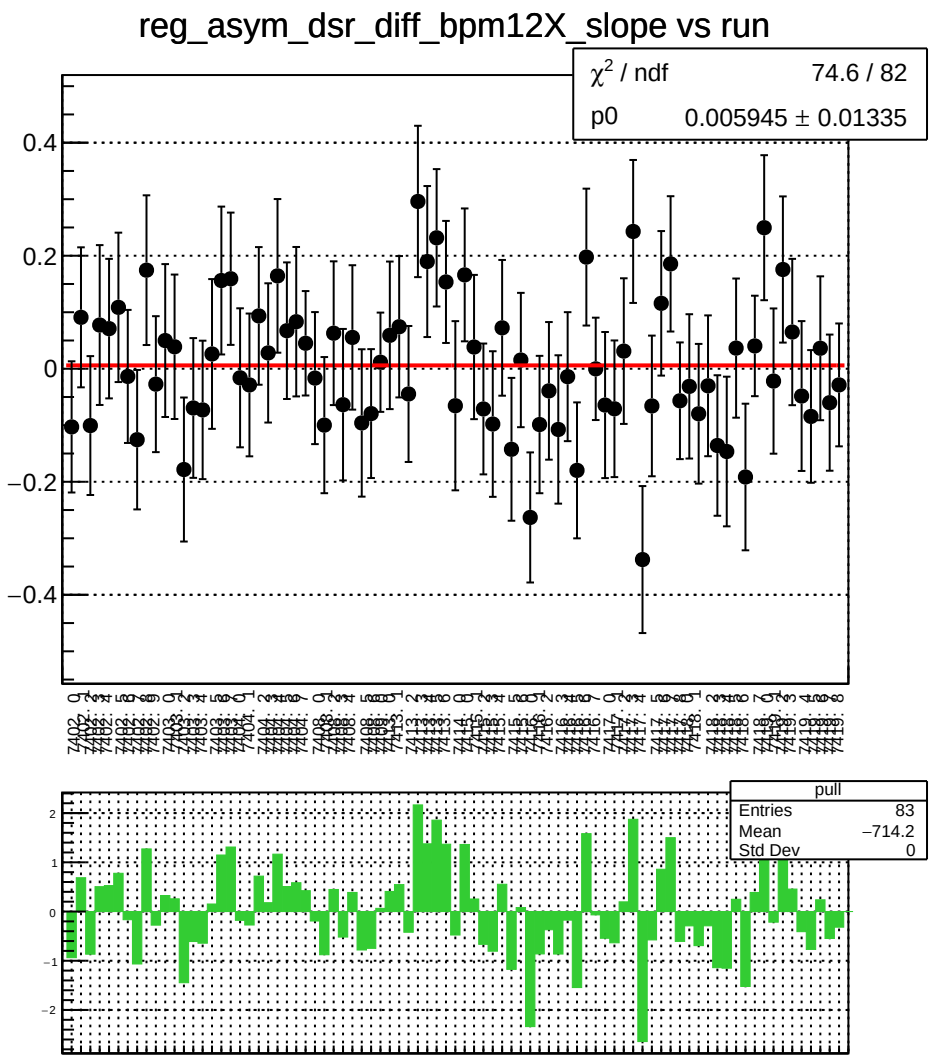

pull1D
Entries 83
Mean 0.0149
Std Dev 0.9476

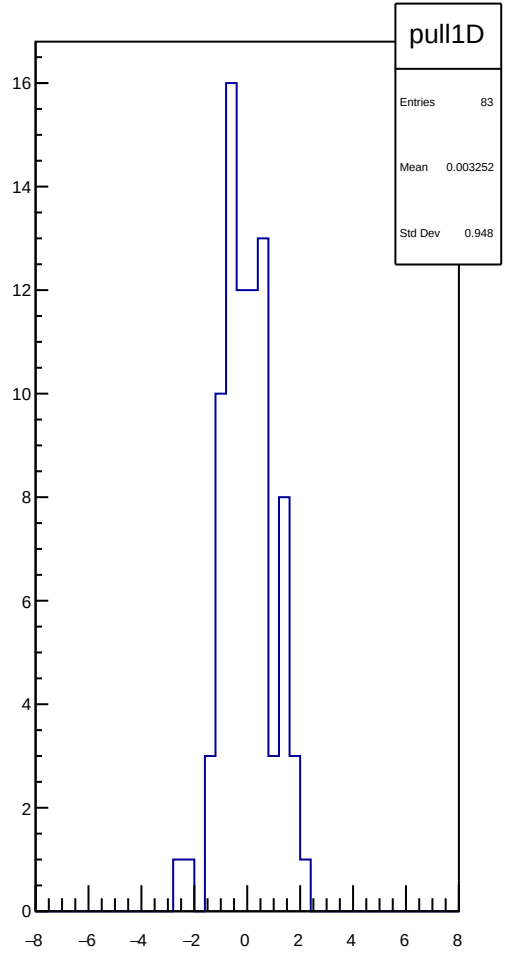

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 78.59 / 82
p0 −0.5839 ± 0.3001
pull
Entries 83
Mean 34.65
Std Dev 60.6

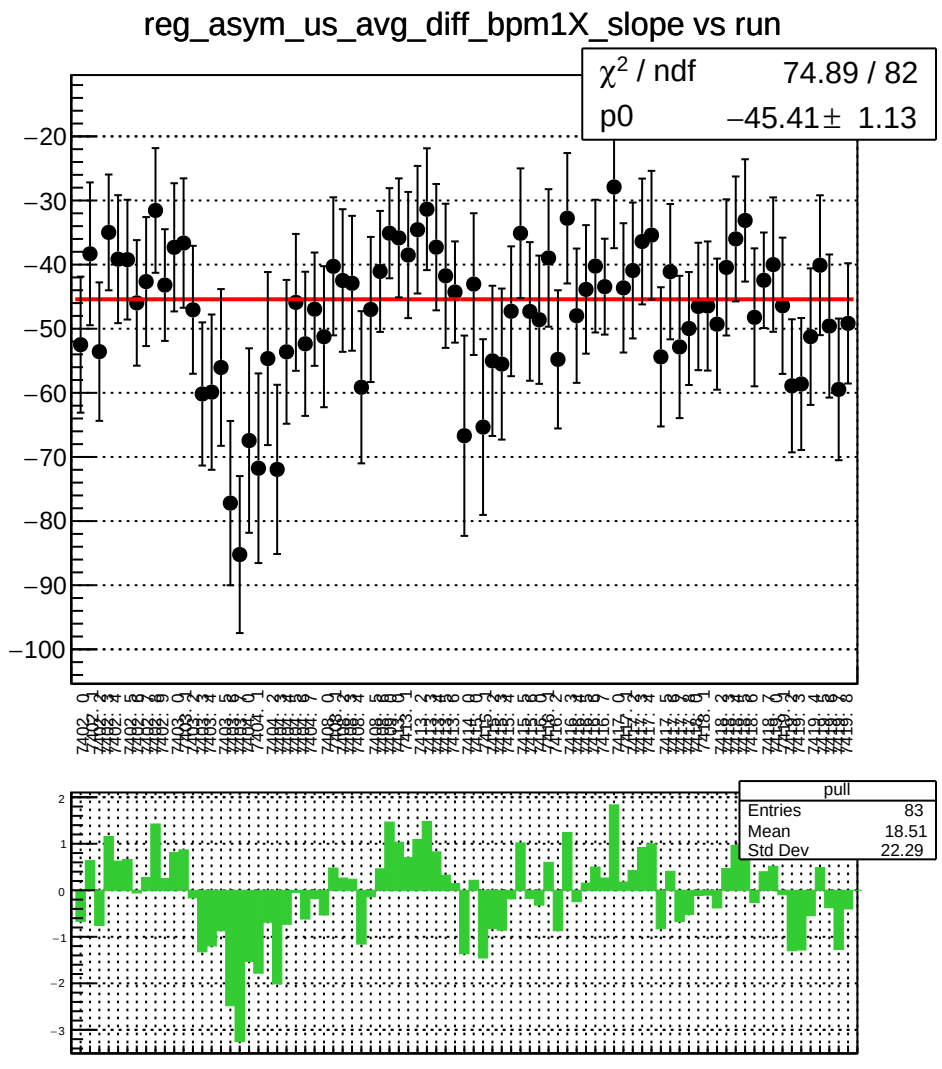

pull1D
Entries 83
Mean −0.008763
Std Dev 0.973

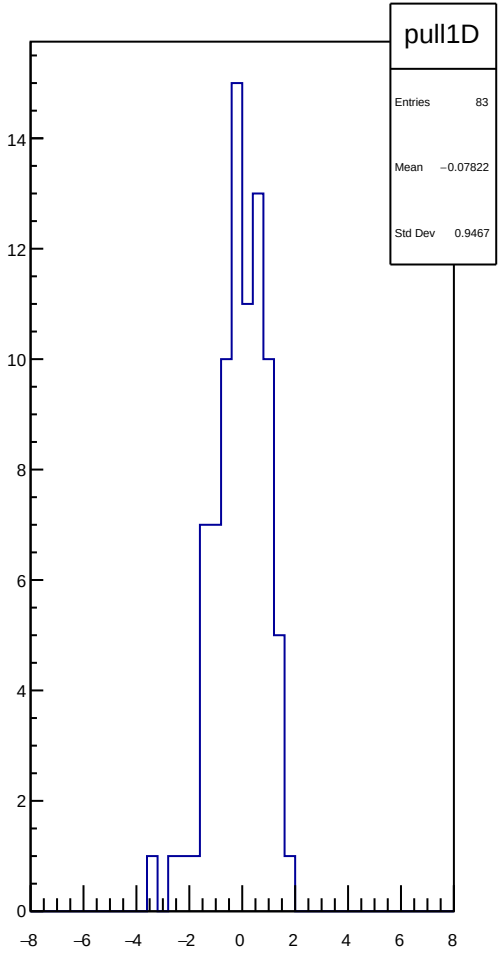

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 77.17 / 82
p0 −0.1248 ± 0.3069
pull
Entries 83
Mean 111.8
Std Dev 31.06

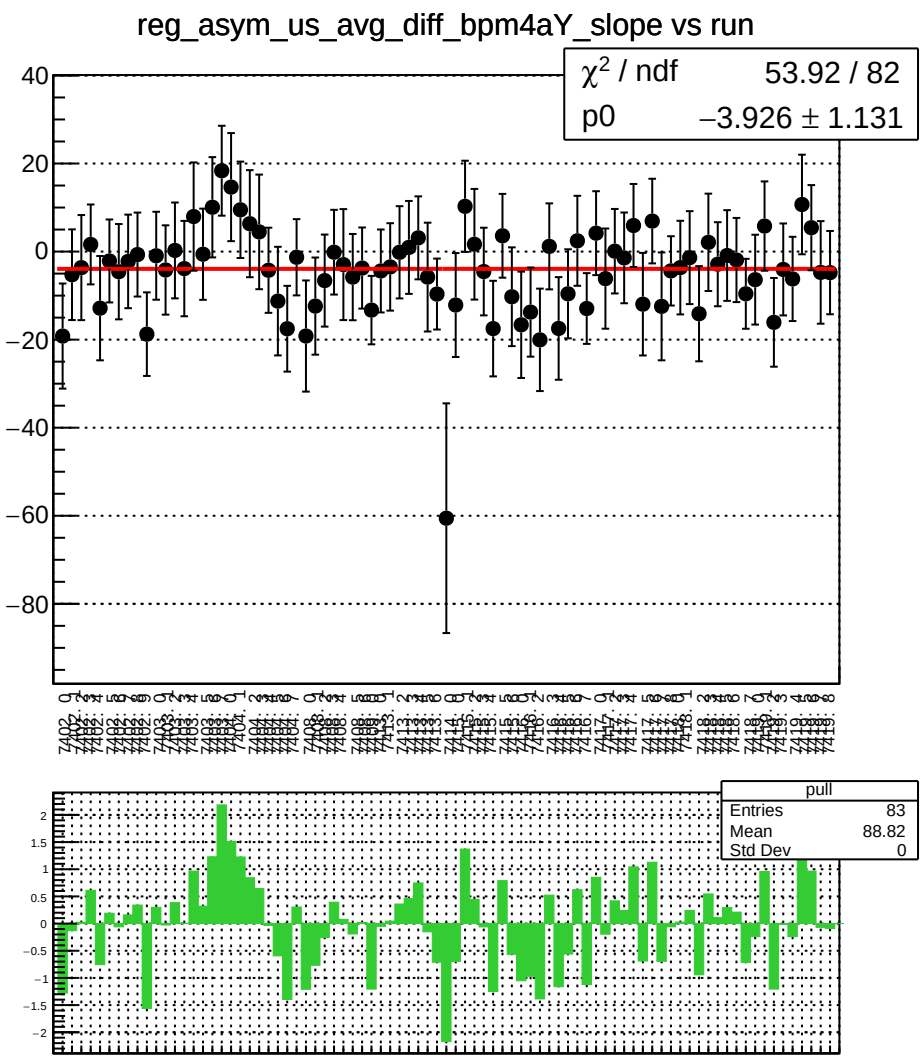

pull1D
Entries 83
Mean −0.01951
Std Dev 0.964

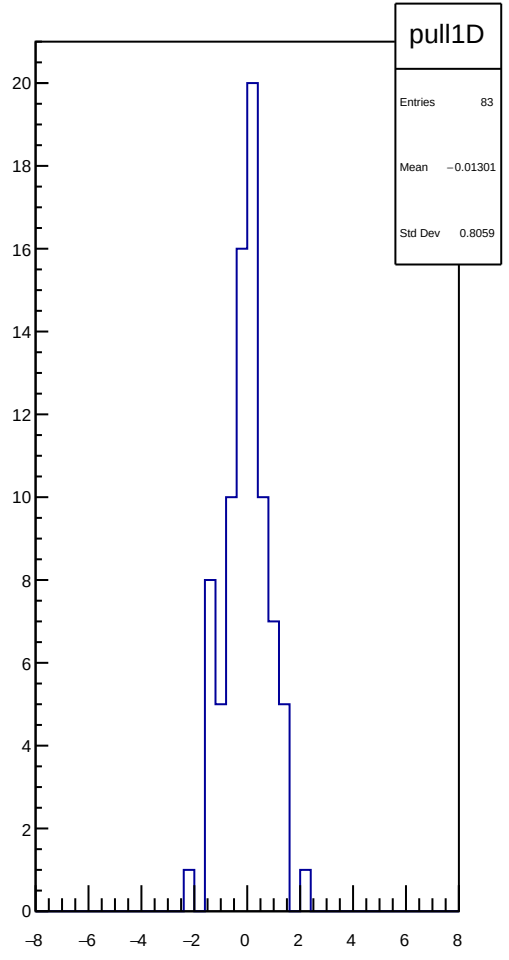

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 74.6 / 82
p0 0.005945 ± 0.01335
pull
Entries 83
Mean −714.2
Std Dev 0

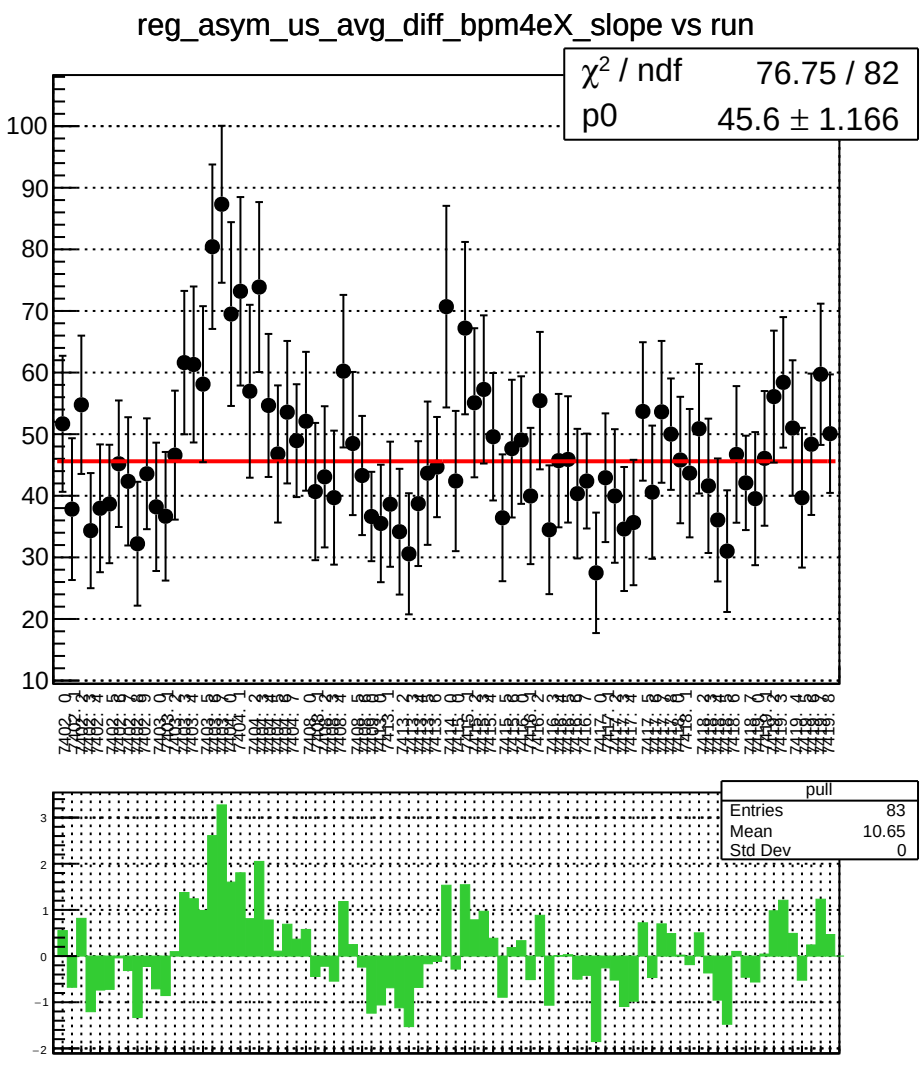

pull1D
Entries 83
Mean 0.003252
Std Dev 0.948

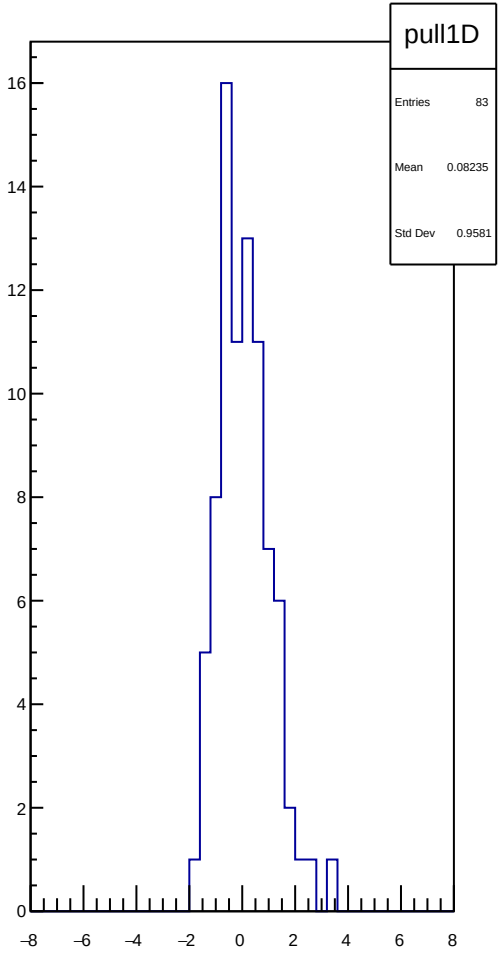

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 74.89 / 82
p0 −45.41 ± 1.13
pull
Entries 83
Mean 18.51
Std Dev 22.29

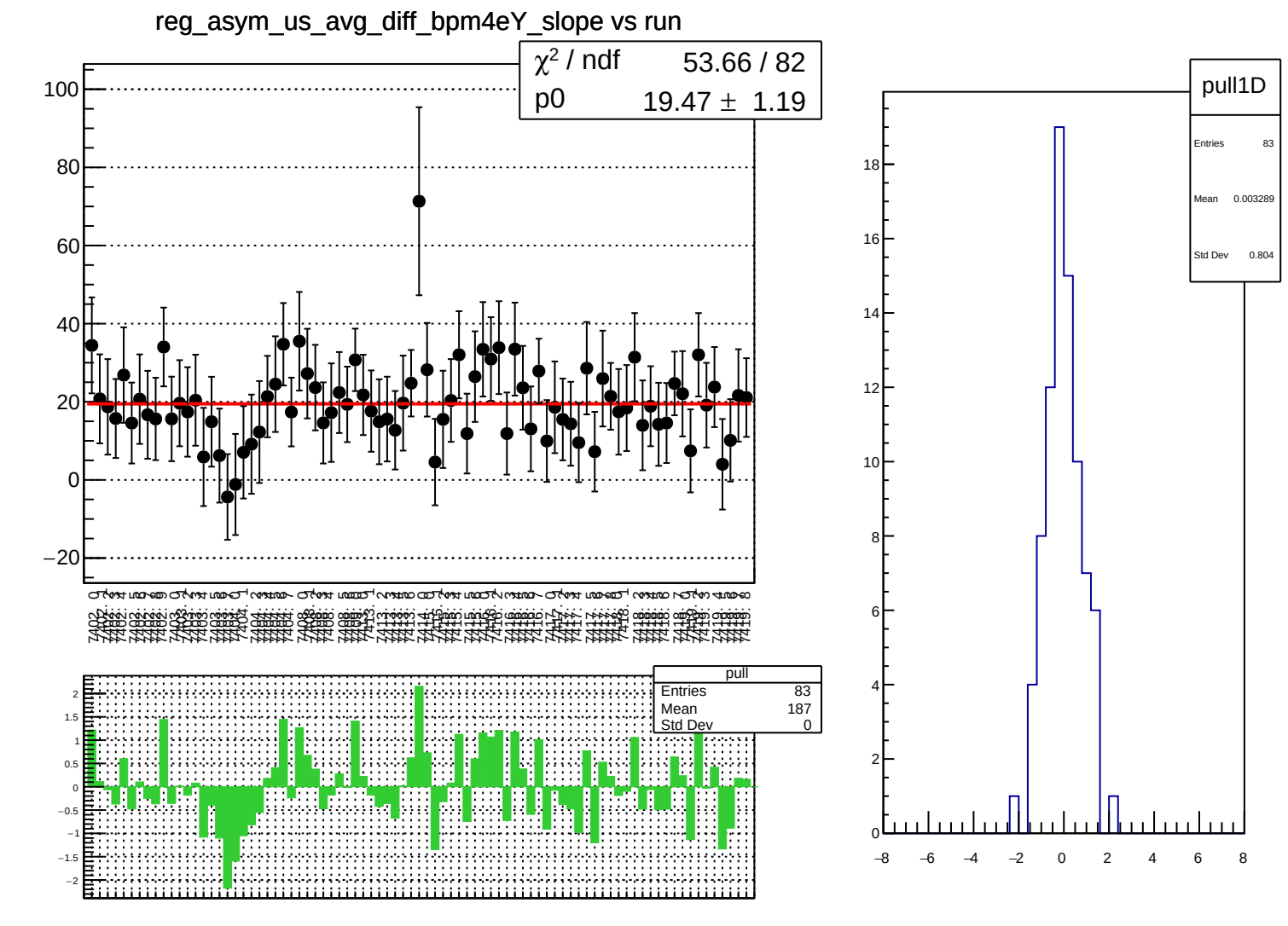

pull1D
Entries 83
Mean −0.07822
Std Dev 0.9467

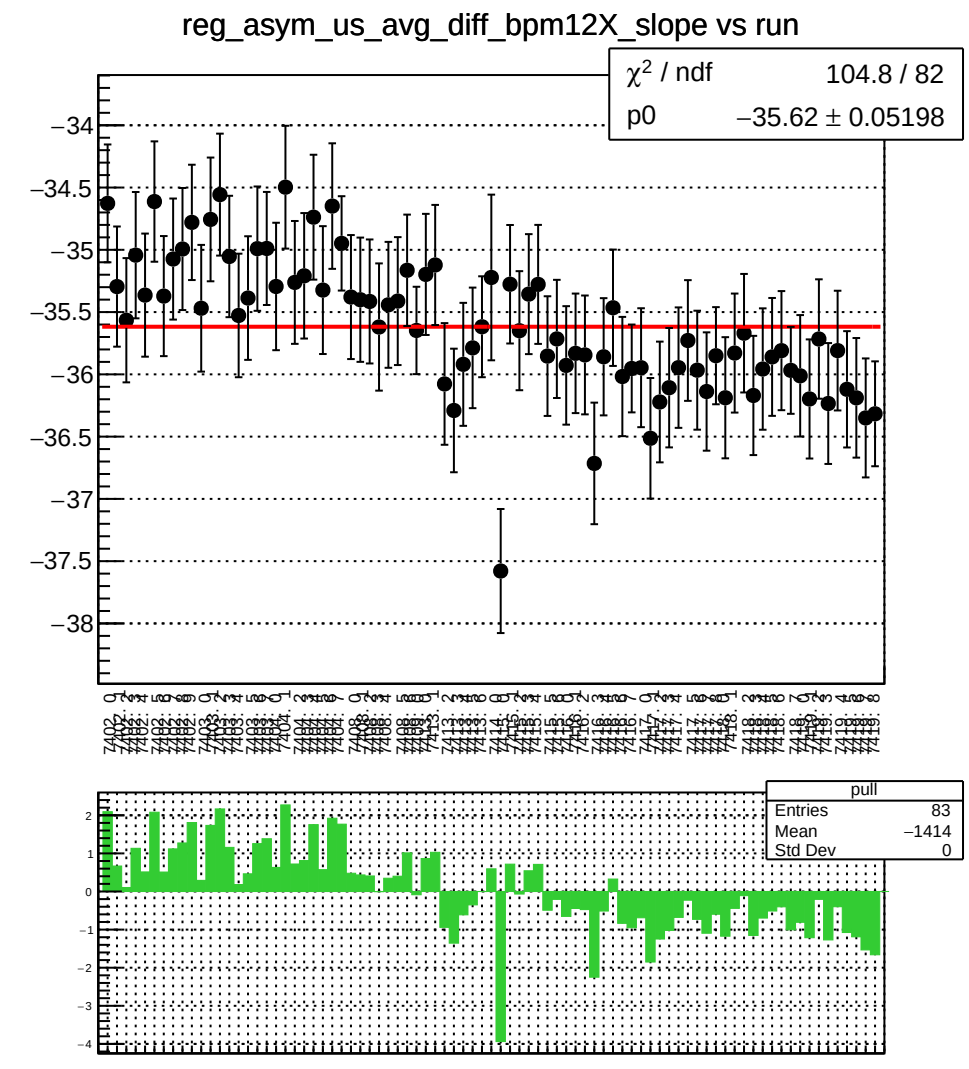

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 53.92 / 82
p0 −3.926 ± 1.131
pull
Entries 83
Mean 88.82
Std Dev 0

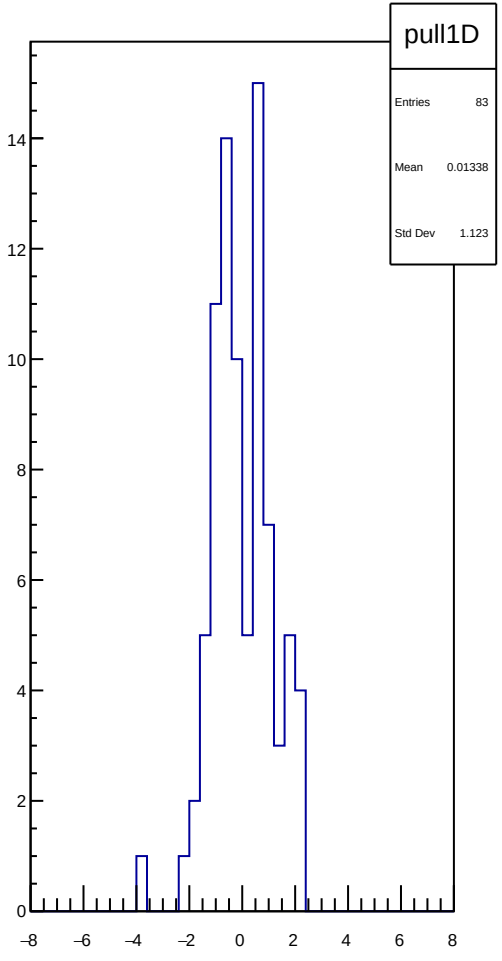

pull1D
Entries 83
Mean −0.01301
Std Dev 0.8059

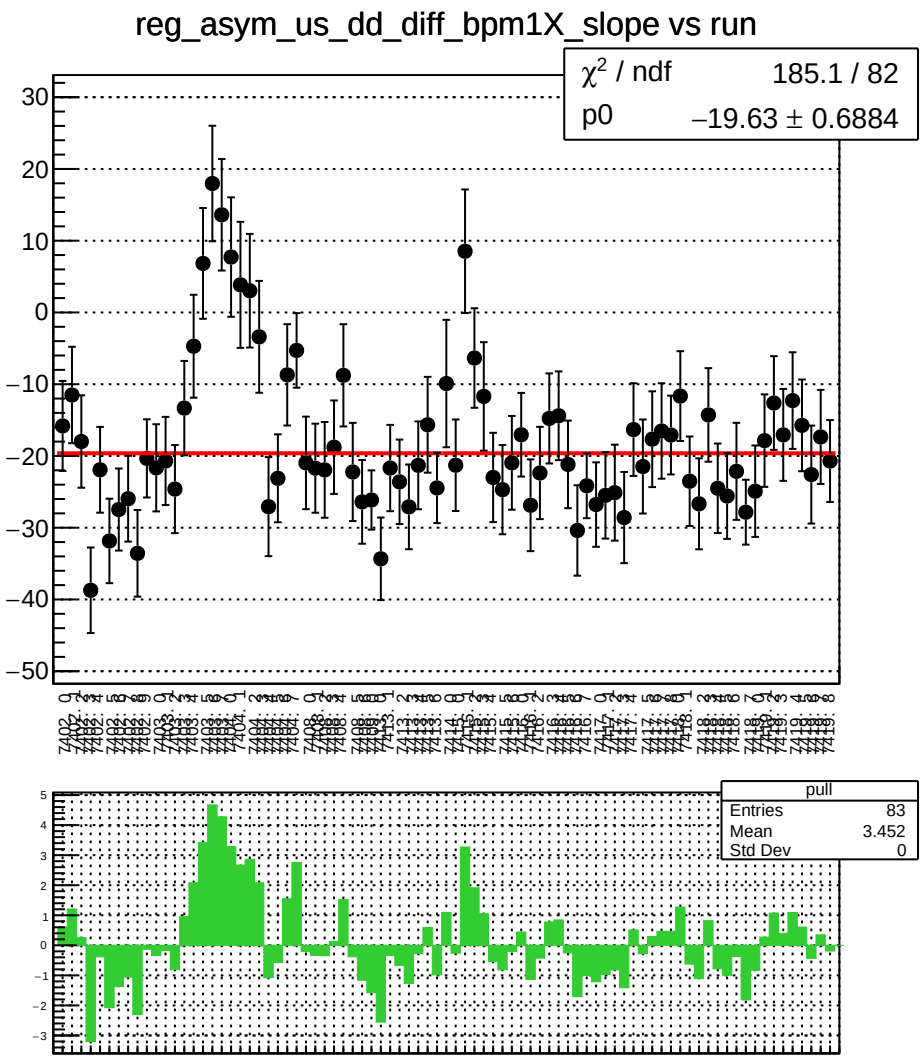

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.75 / 82
p0 45.6 ± 1.166
pull
Entries 83
Mean 10.65
Std Dev 0

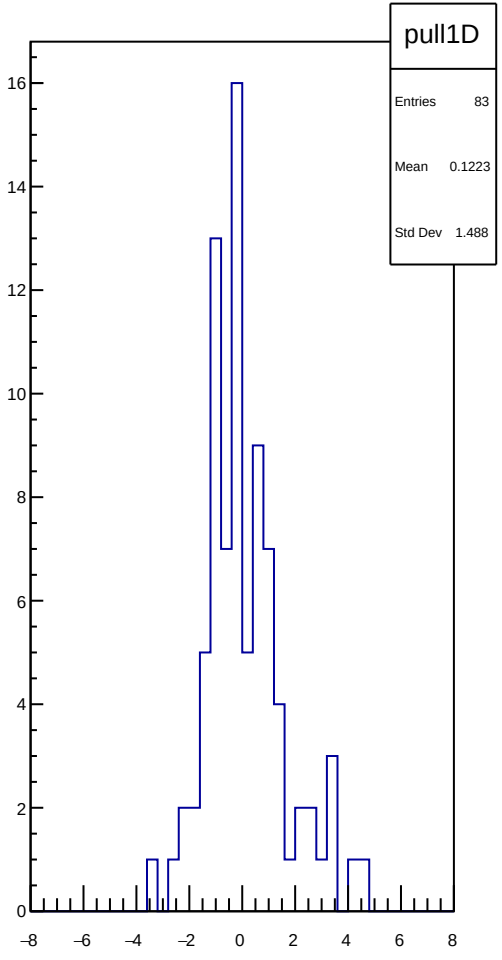

pull1D
Entries 83
Mean 0.08235
Std Dev 0.9581

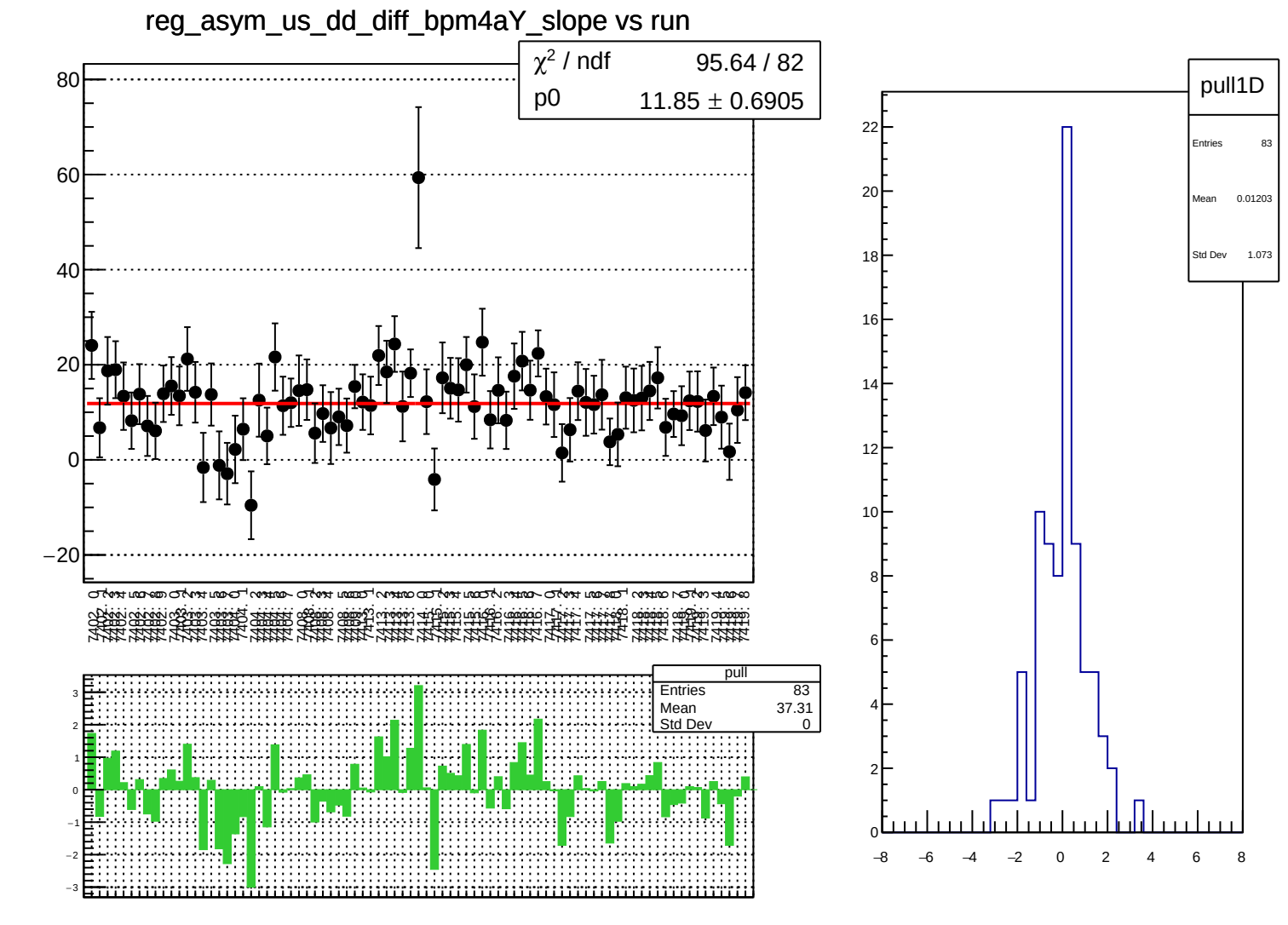

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.66 / 82
p0 19.47 ± 1.19
pull
Entries 83
Mean 187
Std Dev 0
pull1D
Entries 83
Mean 0.003289
Std Dev 0.804

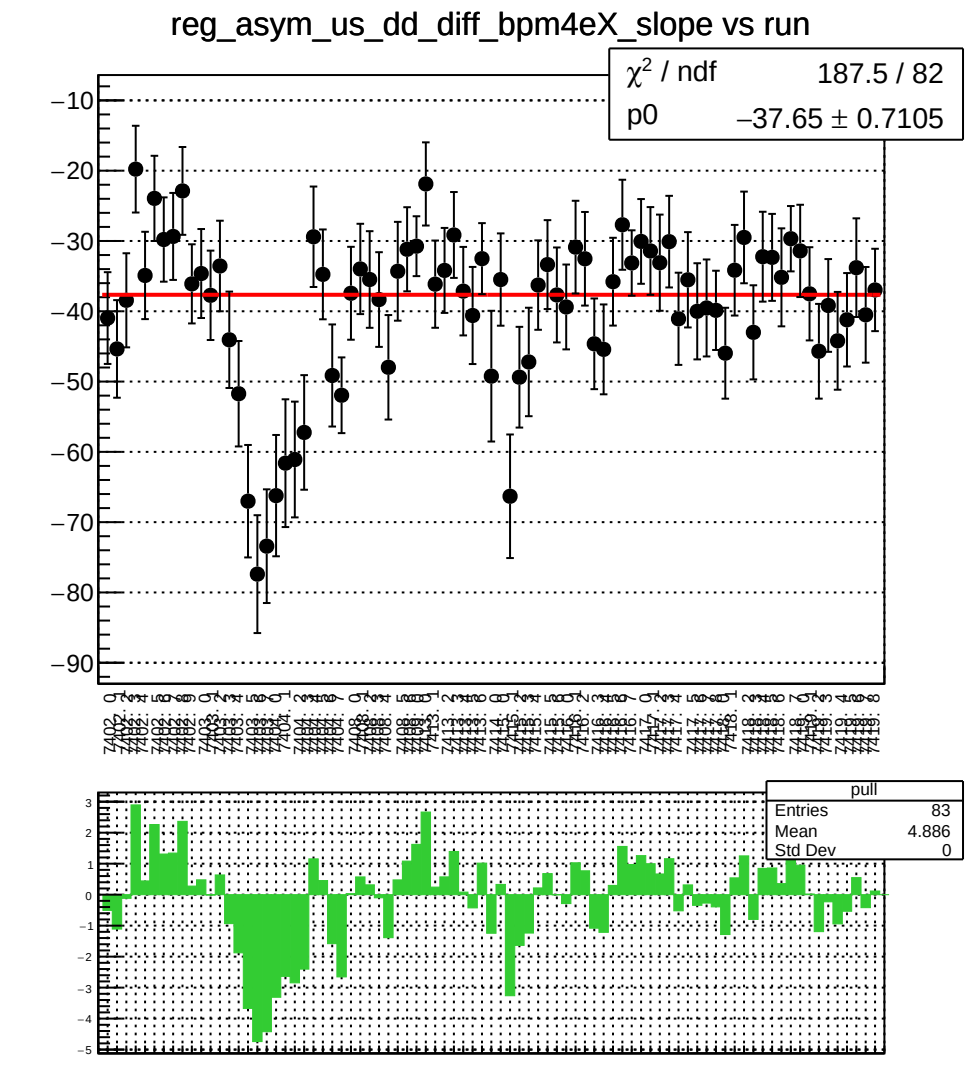

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 104.8 / 82
p0 −35.62 ± 0.05198
pull
Entries 83
Mean −1414
Std Dev 0

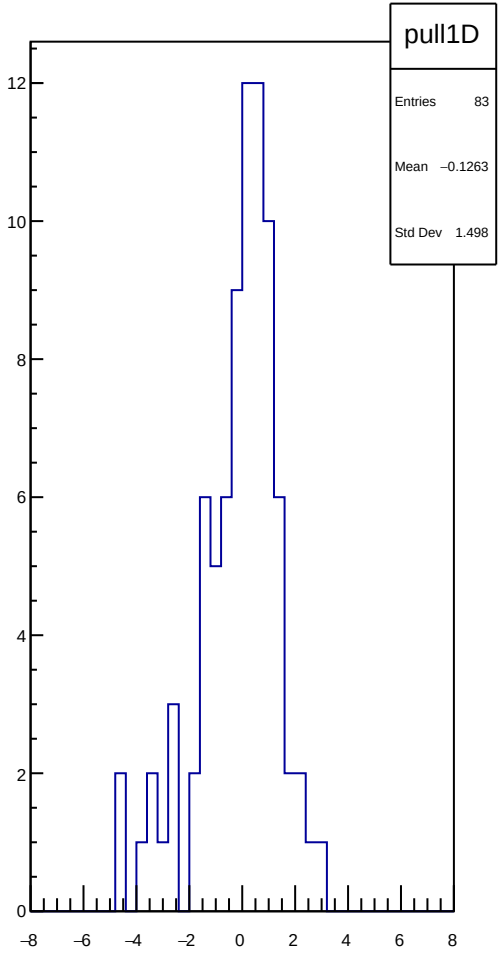

pull1D
Entries 83
Mean 0.01338
Std Dev 1.123

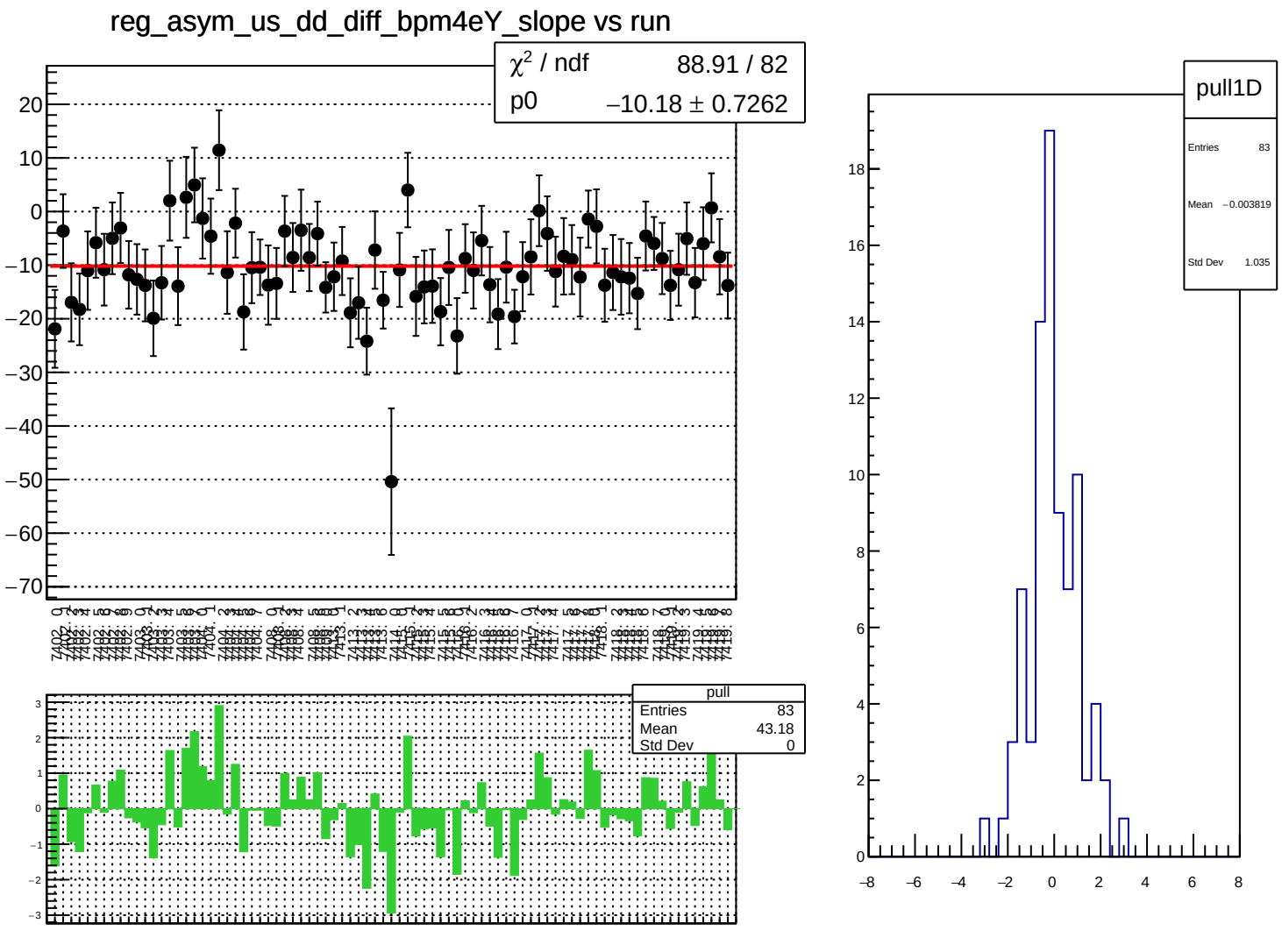

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 185.1 / 82
p0 −19.63 ± 0.6884
pull
Entries 83
Mean 3.452
Std Dev 0

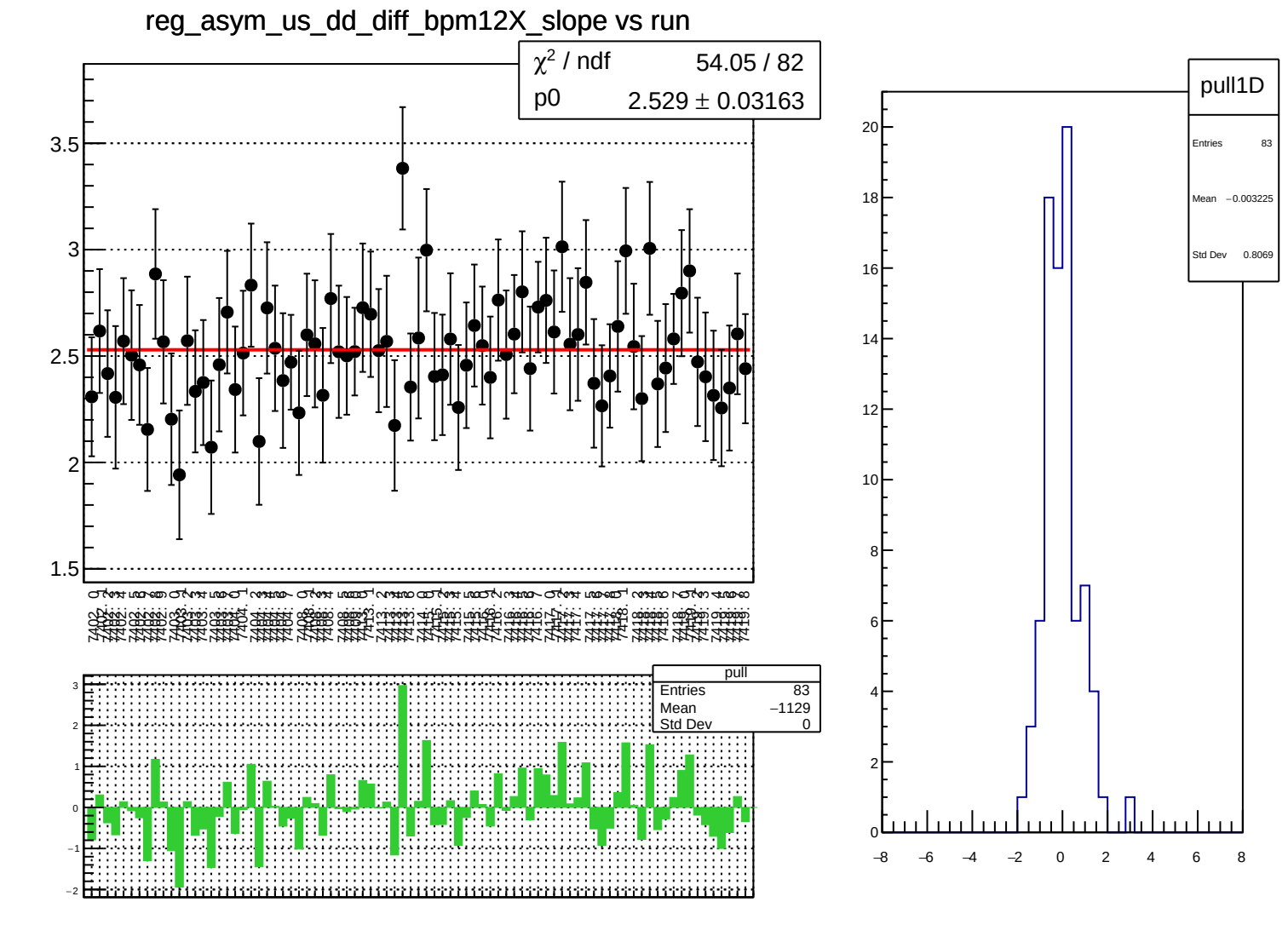

pull1D
Entries 83
Mean 0.1223
Std Dev 1.488

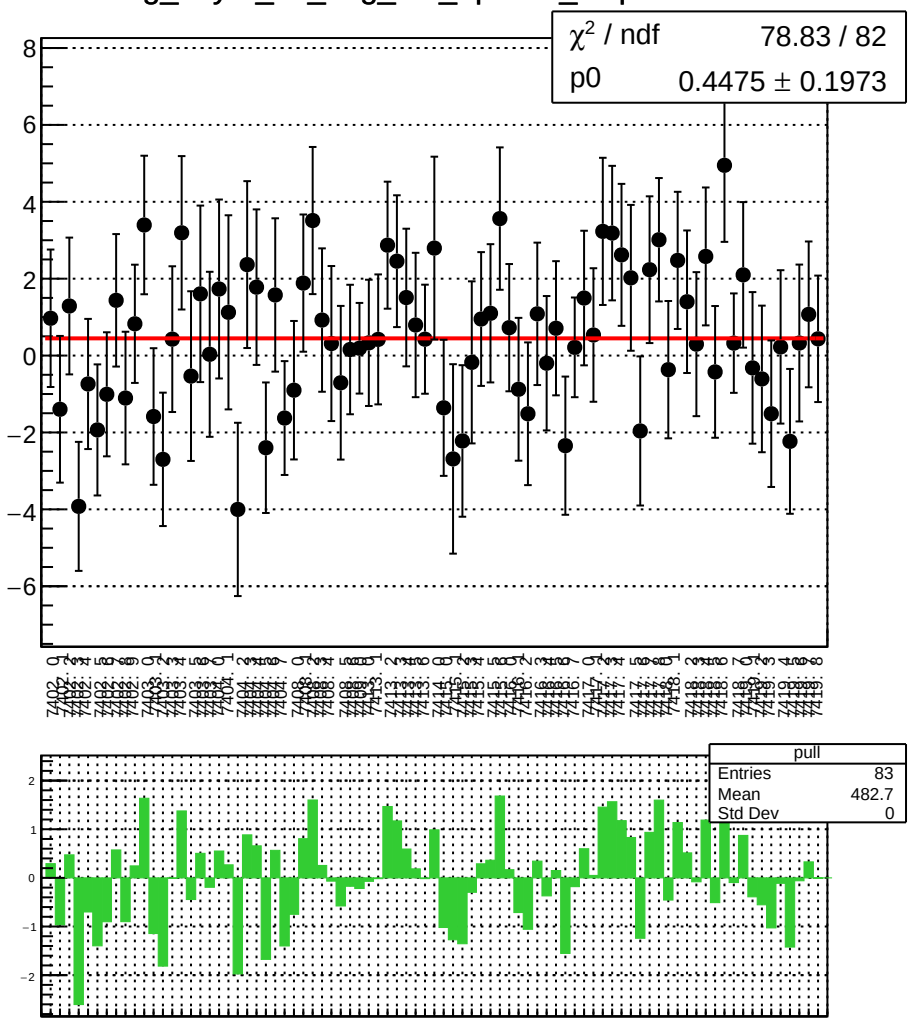

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.64 / 82
p0 11.85 ± 0.6905
pull
Entries 83
Mean 37.31
Std Dev 0
pull1D
Entries 83
Mean 0.01203
Std Dev 1.073

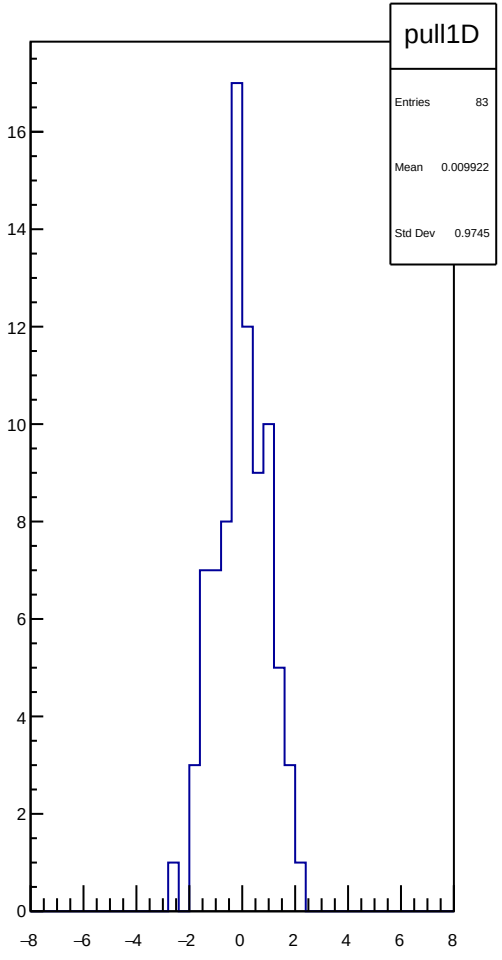

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 187.5 / 82
p0 −37.65 ± 0.7105
pull
Entries 83
Mean 4.886
Std Dev 0

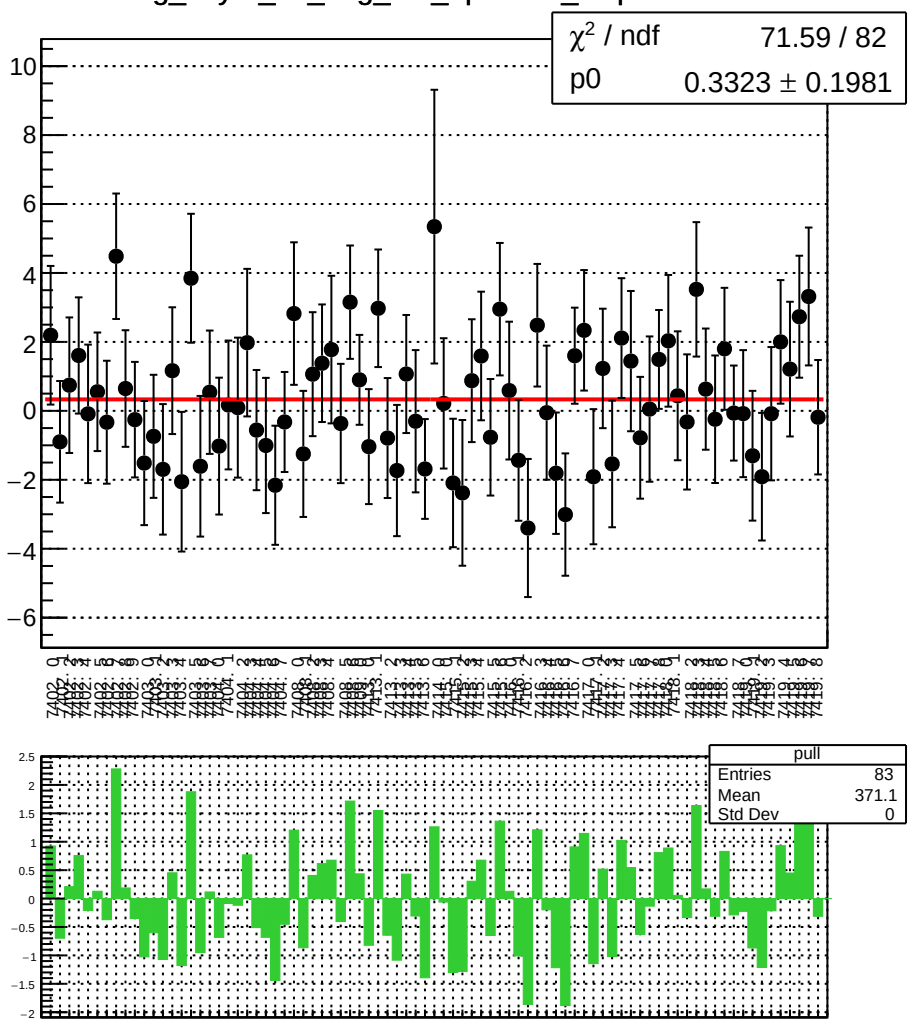

pull1D
Entries 83
Mean −0.1263
Std Dev 1.498

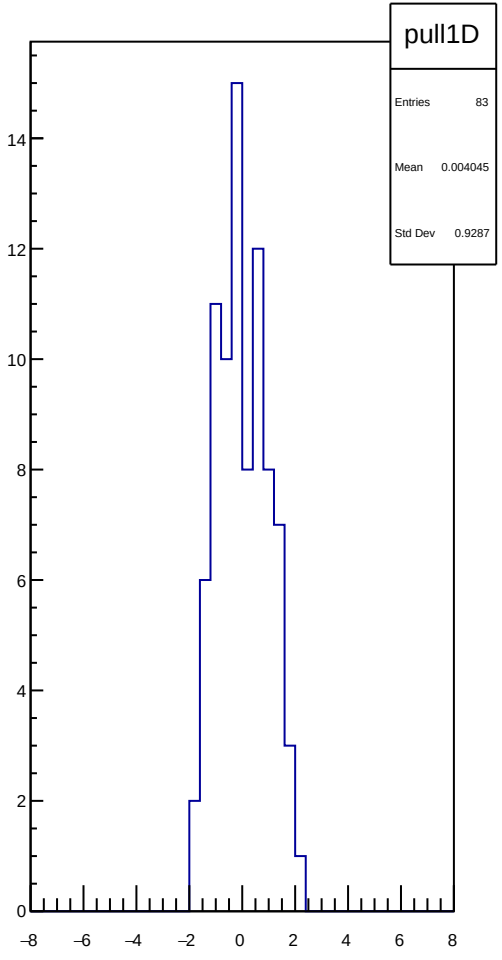

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 88.91 / 82
p0 −10.18 ± 0.7262
pull
Entries 83
Mean 43.18
Std Dev 0
pull1D
Entries 83
Mean −0.003819
Std Dev 1.035

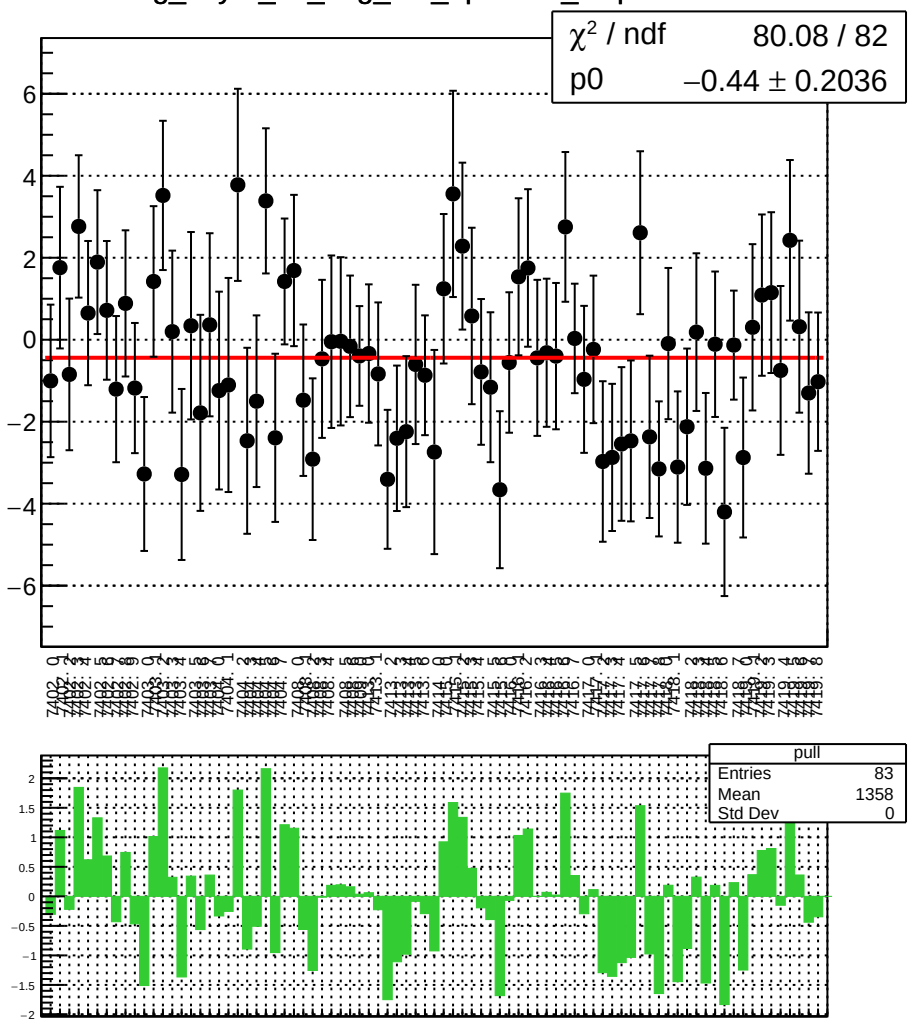

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 54.05 / 82
p0 2.529 ± 0.03163
pull
Entries 83
Mean −1129
Std Dev 0
pull1D
Entries 83
Mean −0.003225
Std Dev 0.8069

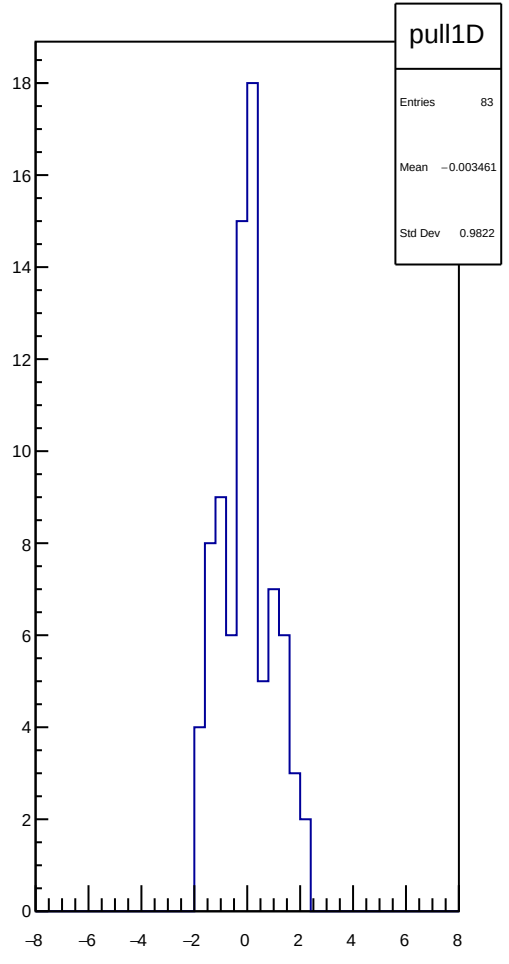

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 78.83 / 82
p0 0.4475 ± 0.1973
pull
Entries 83
Mean 482.7
Std Dev 0

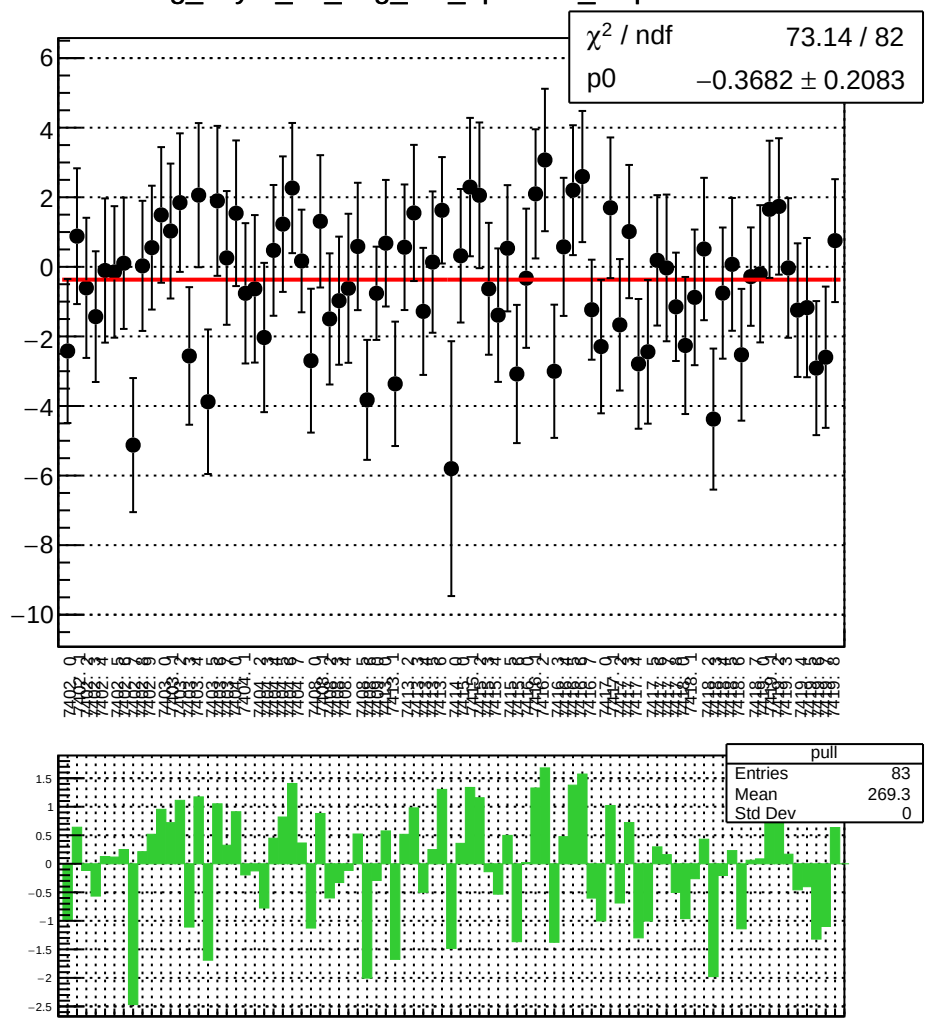

pull1D
Entries 83
Mean 0.009922
Std Dev 0.9745

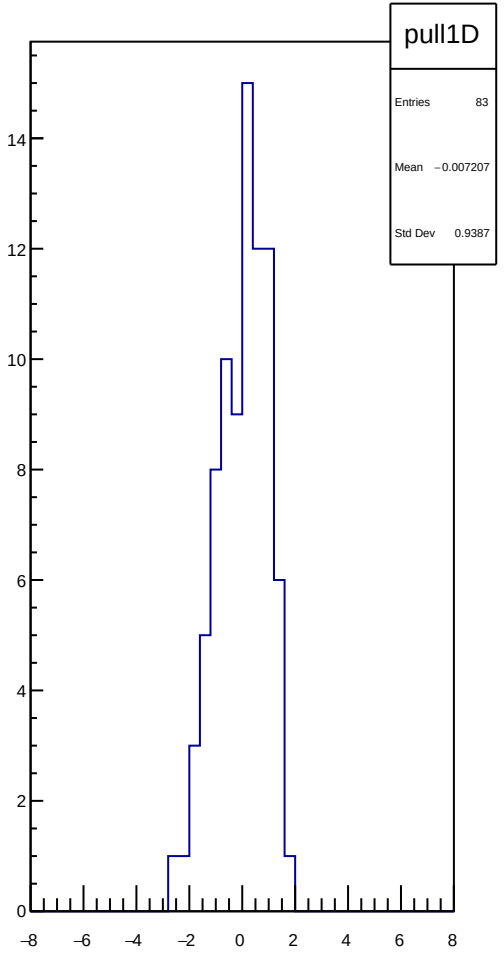

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.59 / 82
p0 0.3323 ± 0.1981
pull
Entries 83
Mean 371.1
Std Dev 0

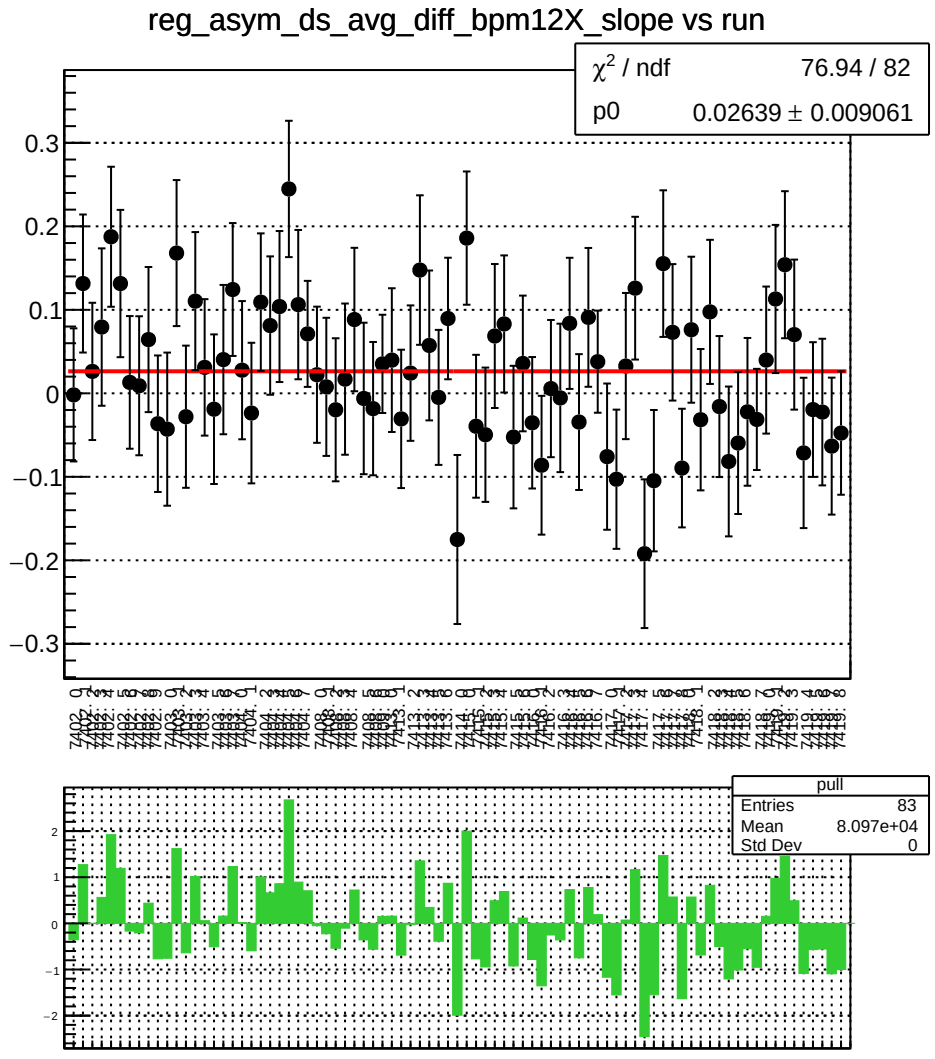

pull1D
Entries 83
Mean 0.004045
Std Dev 0.9287

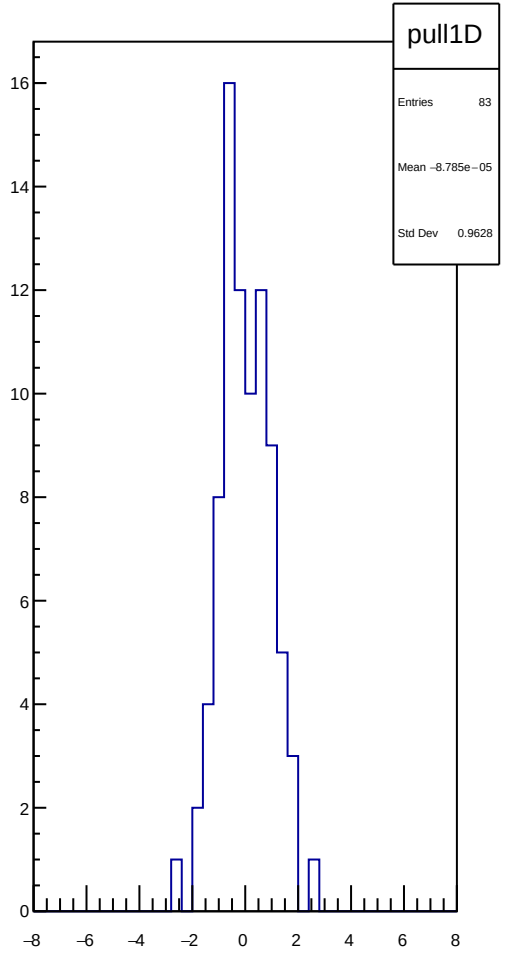

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.08 / 82
p0 −0.44 ± 0.2036
pull
Entries 83
Mean 1358
Std Dev 0

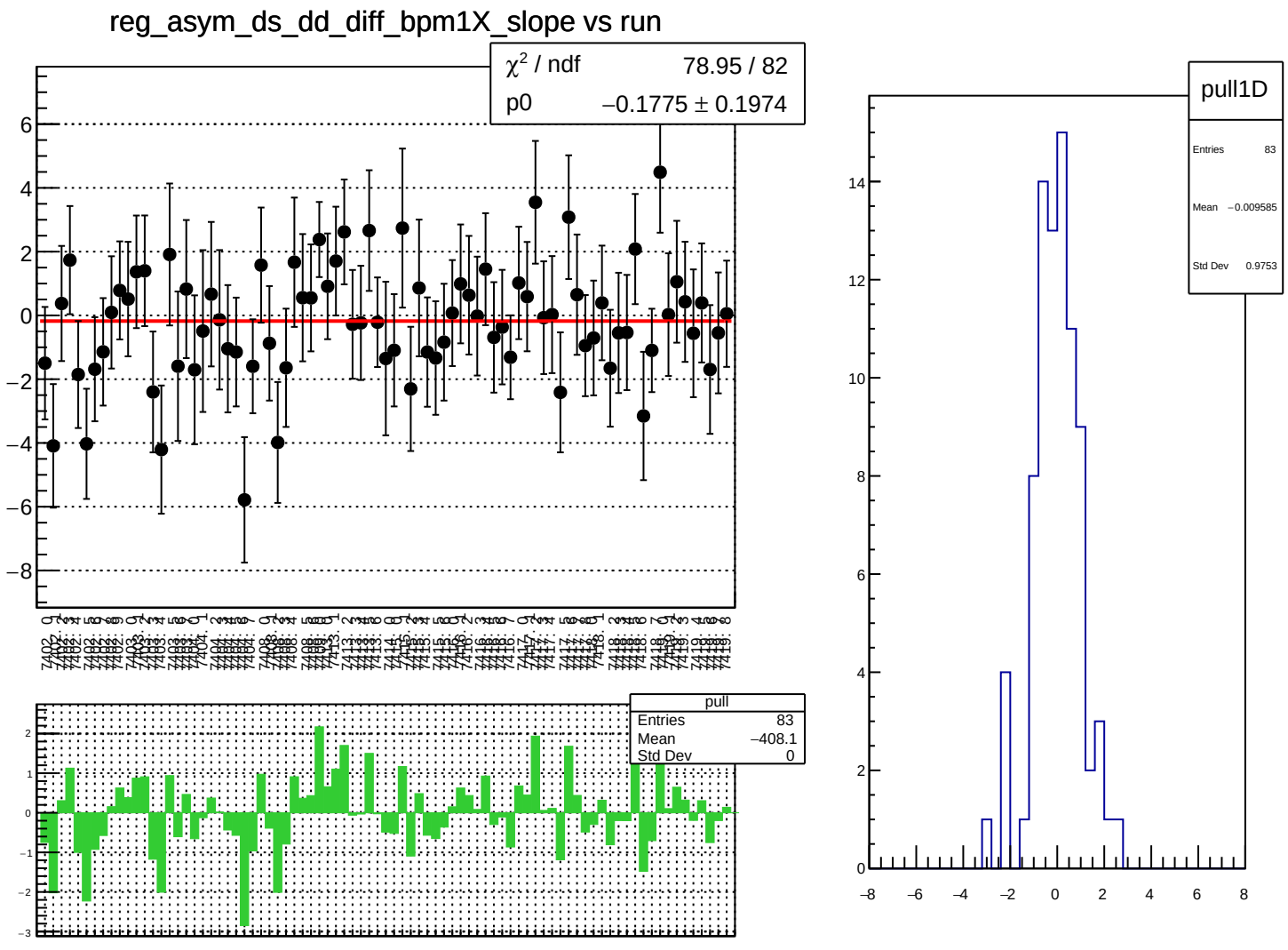

pull1D
Entries 83
Mean −0.003461
Std Dev 0.9822

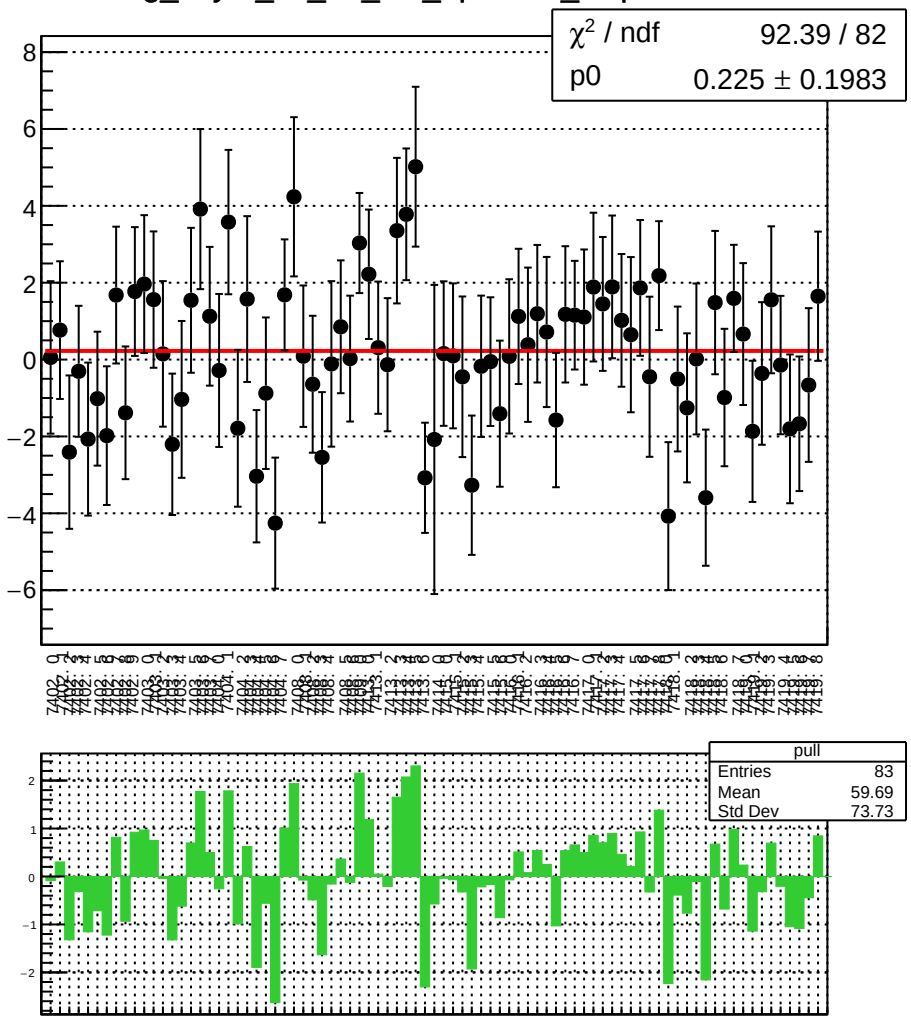

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.14 / 82
p0 −0.3682 ± 0.2083
pull
Entries 83
Mean 269.3
Std Dev 0

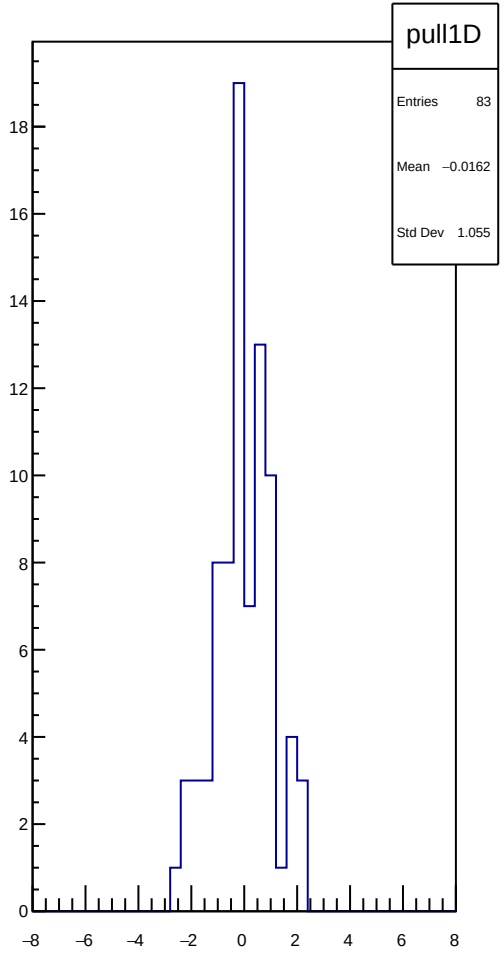

pull1D
Entries 83
Mean −0.007207
Std Dev 0.9387

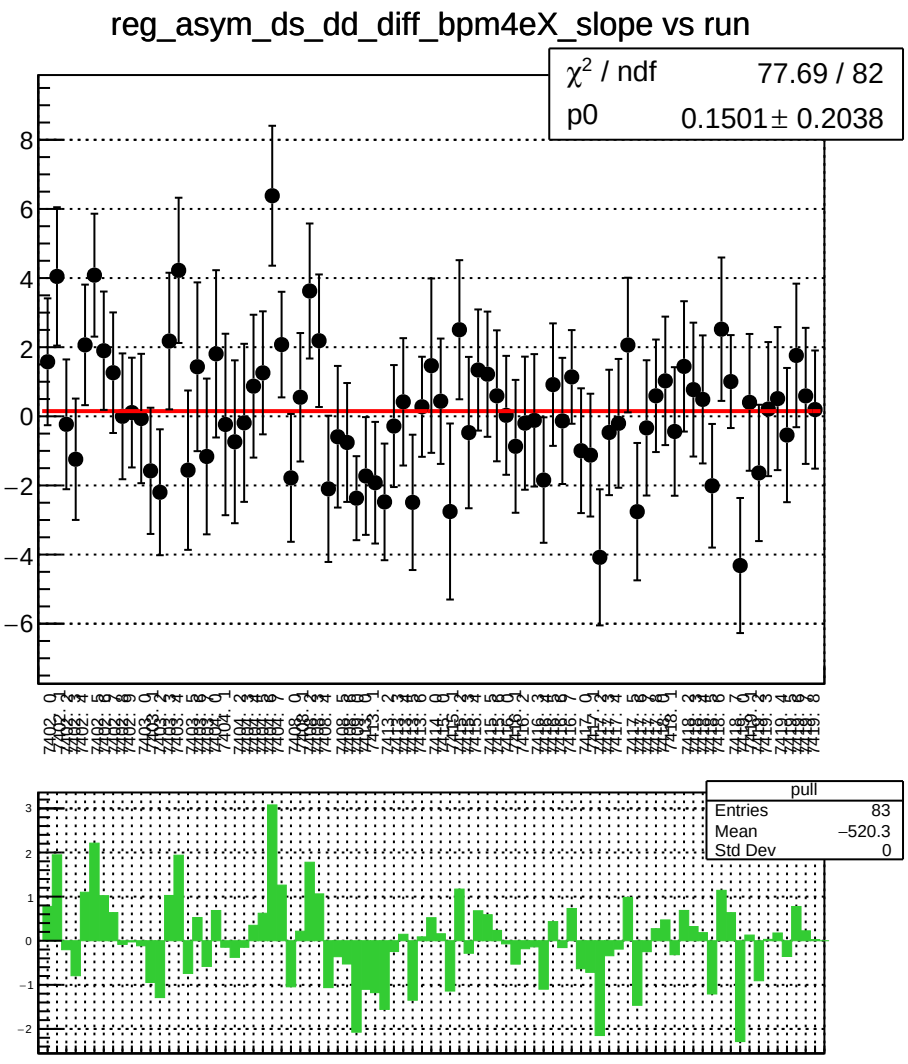

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 76.94 / 82
p0 0.02639 ± 0.009061
pull
Entries 83
Mean 8.097e+04
Std Dev 0

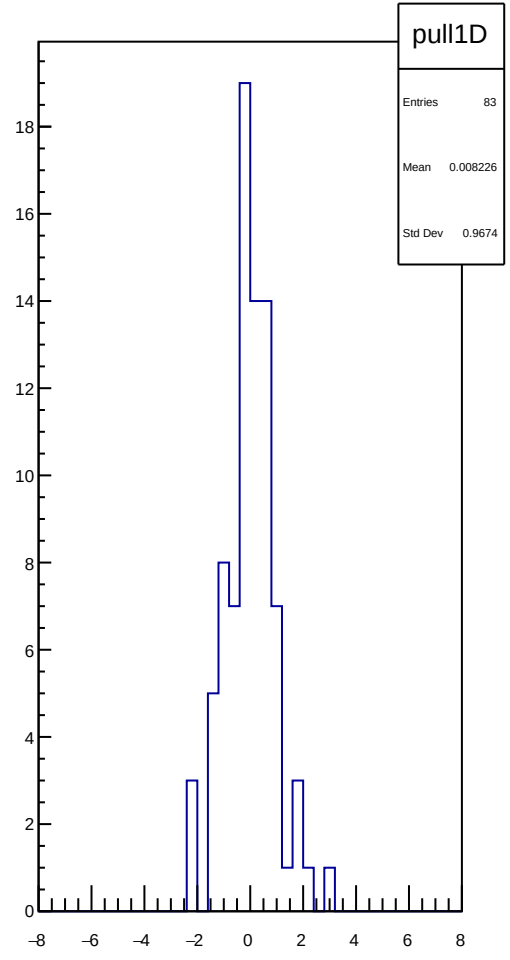

pull1D
Entries 83
Mean −8.785e−05
Std Dev 0.9628

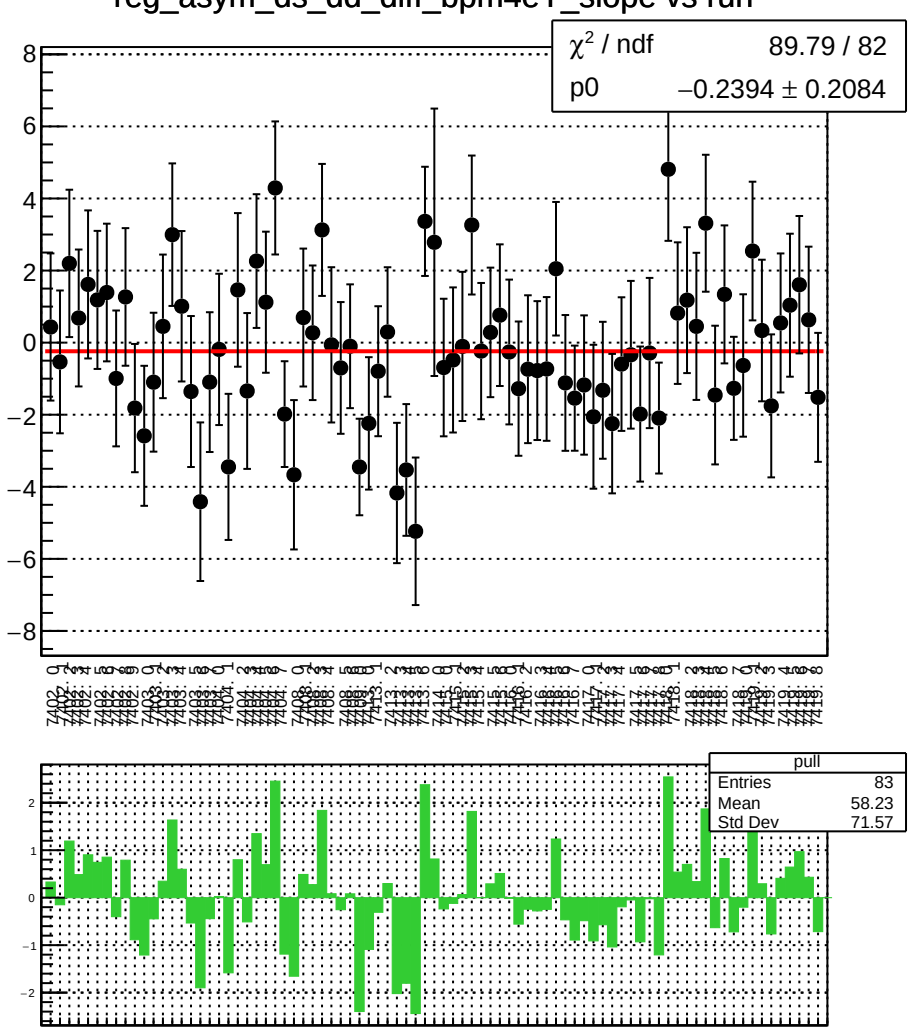

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 78.95 / 82
p0 −0.1775 ± 0.1974
pull
Entries 83
Mean −408.1
Std Dev 0
pull1D
Entries 83
Mean −0.009585
Std Dev 0.9753

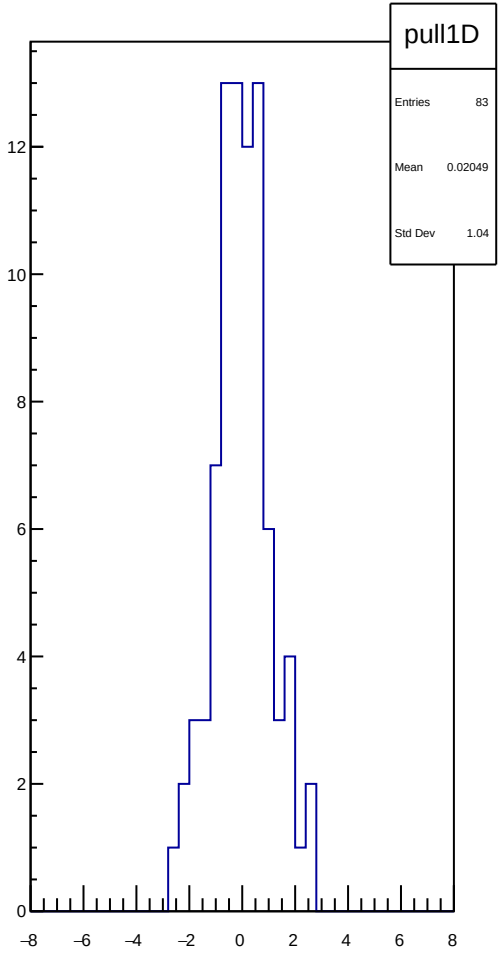

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.39 / 82
p0 0.225 ± 0.1983
pull
Entries 83
Mean 59.69
Std Dev 73.73

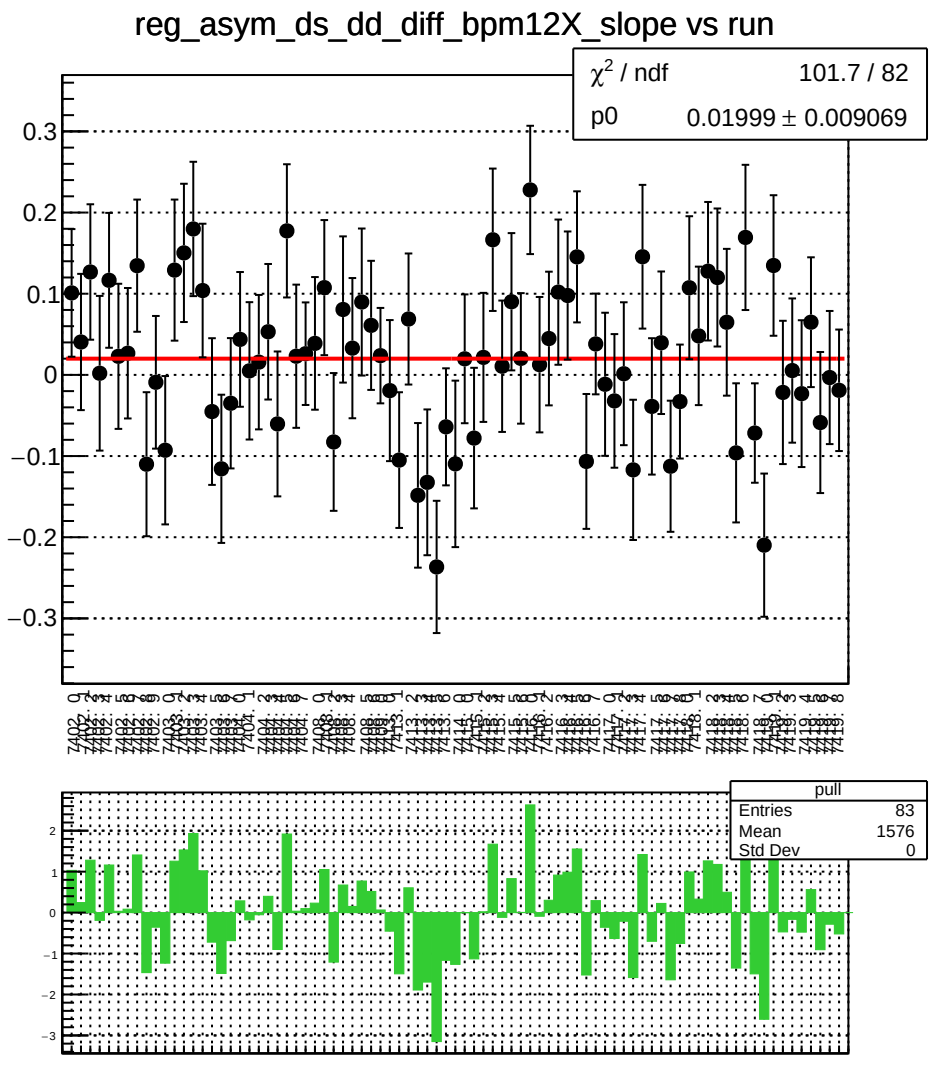

pull1D
Entries 83
Mean −0.0162
Std Dev 1.055

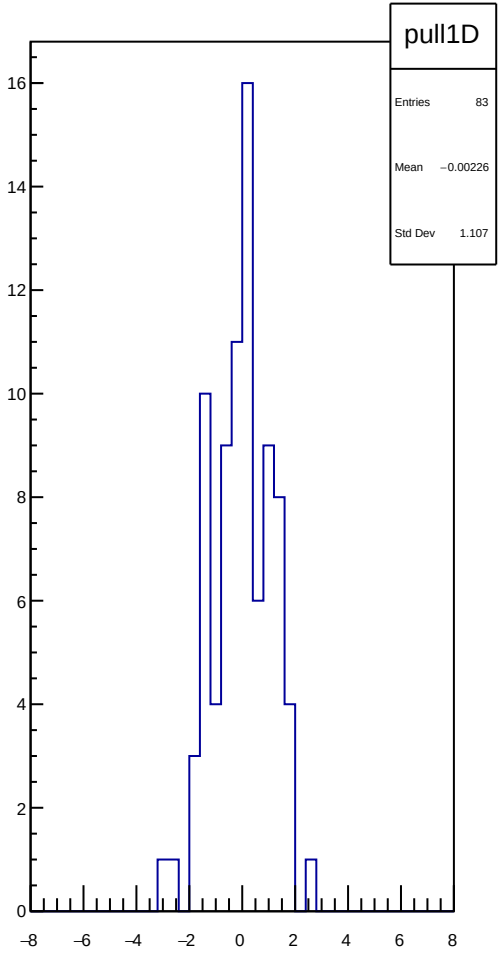

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.69 / 82
p0 0.1501 ± 0.2038
pull
Entries 83
Mean −520.3
Std Dev 0

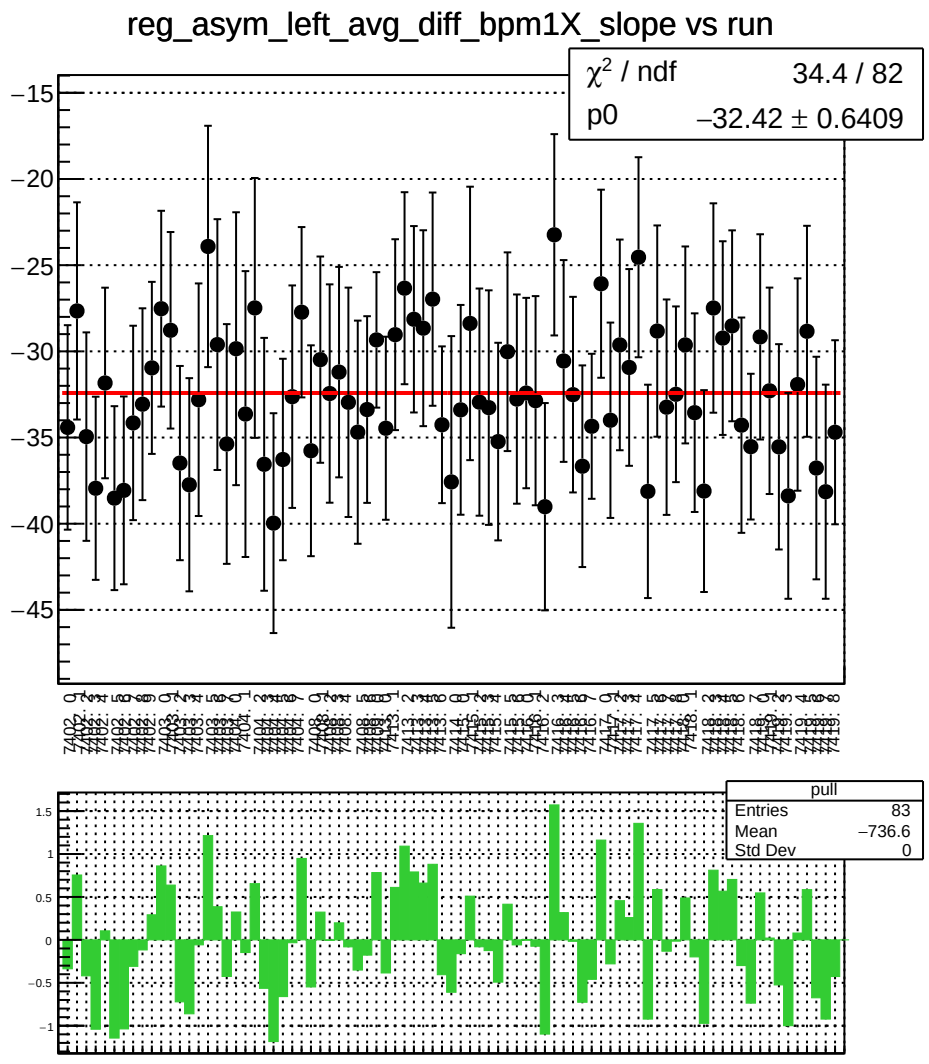

pull1D
Entries 83
Mean 0.008226
Std Dev 0.9674

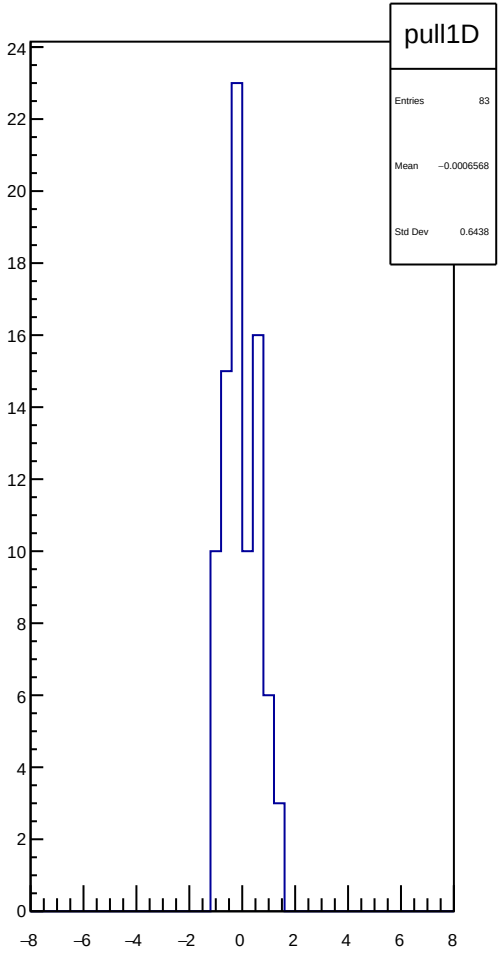

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.79 / 82
p0 −0.2394 ± 0.2084
pull
Entries 83
Mean 58.23
Std Dev 71.57

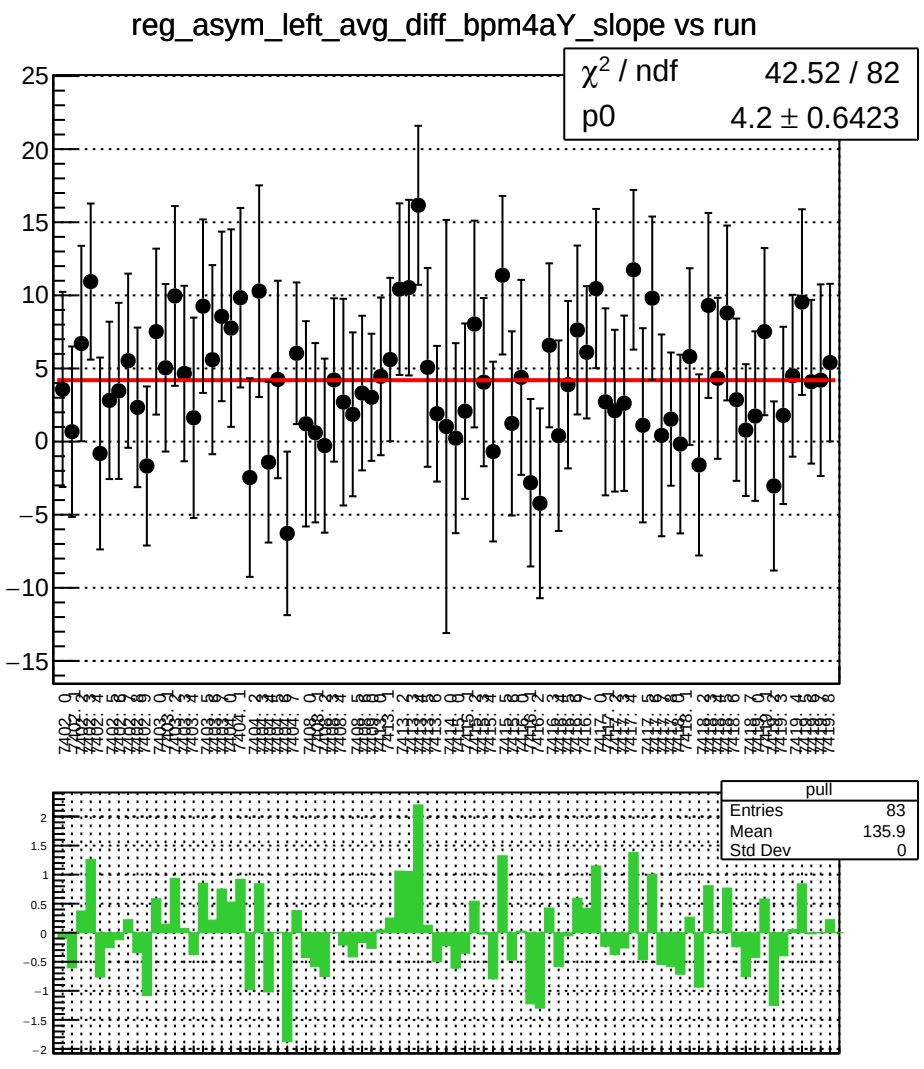

pull1D
Entries 83
Mean 0.02049
Std Dev 1.04

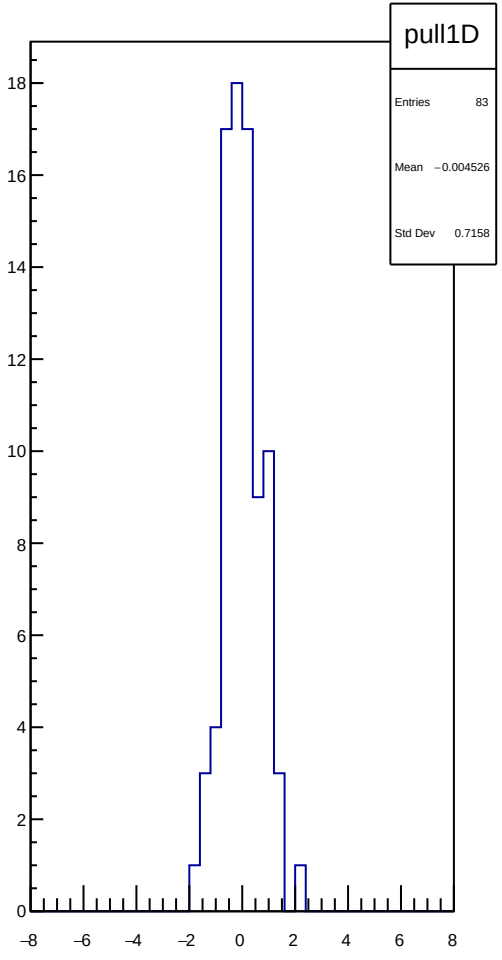

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 101.7 / 82
p0 0.01999 ± 0.009069
pull
Entries 83
Mean 1576
Std Dev 0

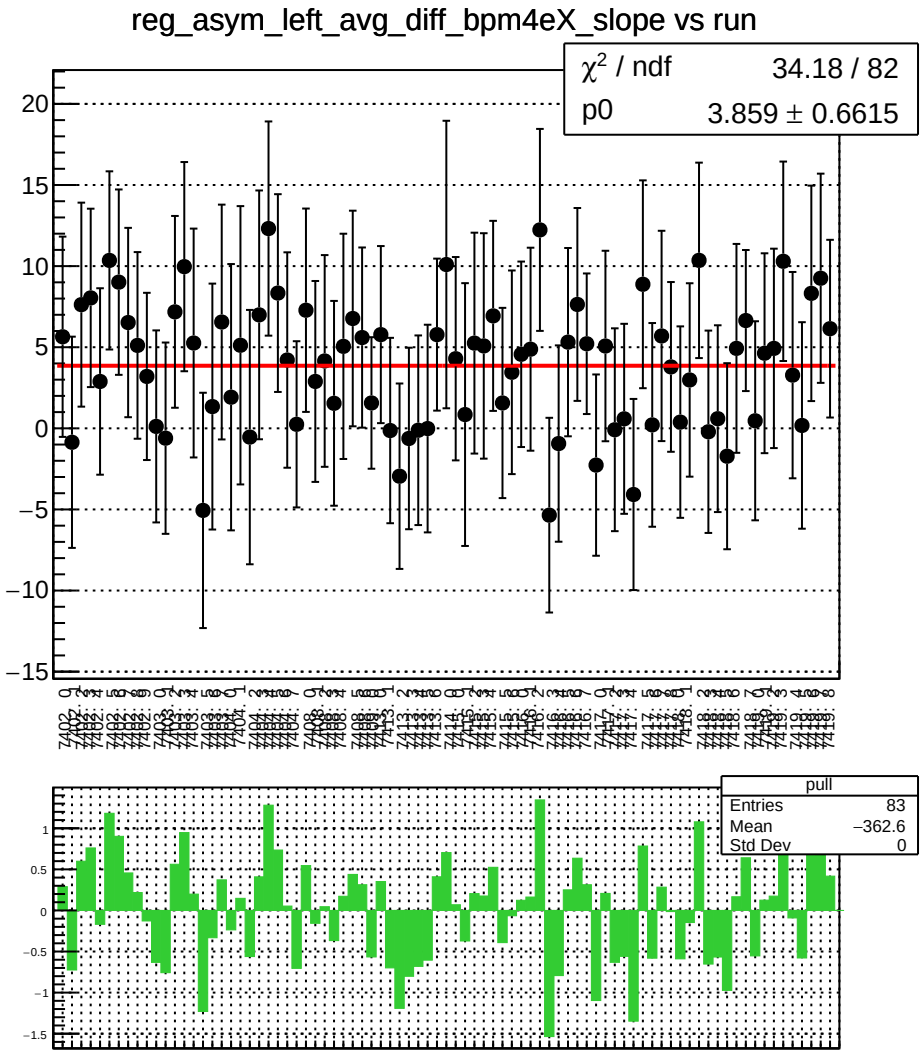

pull1D
Entries 83
Mean −0.00226
Std Dev 1.107

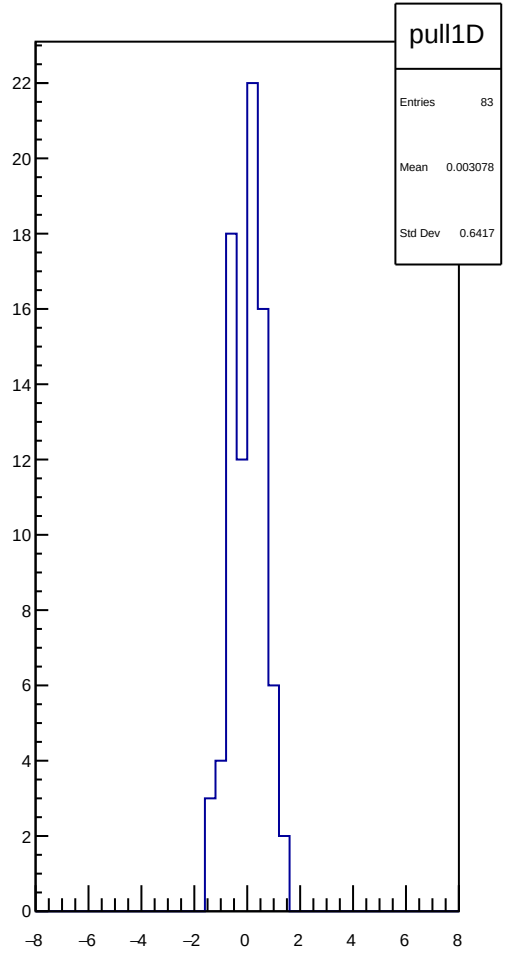

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 34.4 / 82
p0 −32.42 ± 0.6409
pull
Entries 83
Mean −736.6
Std Dev 0

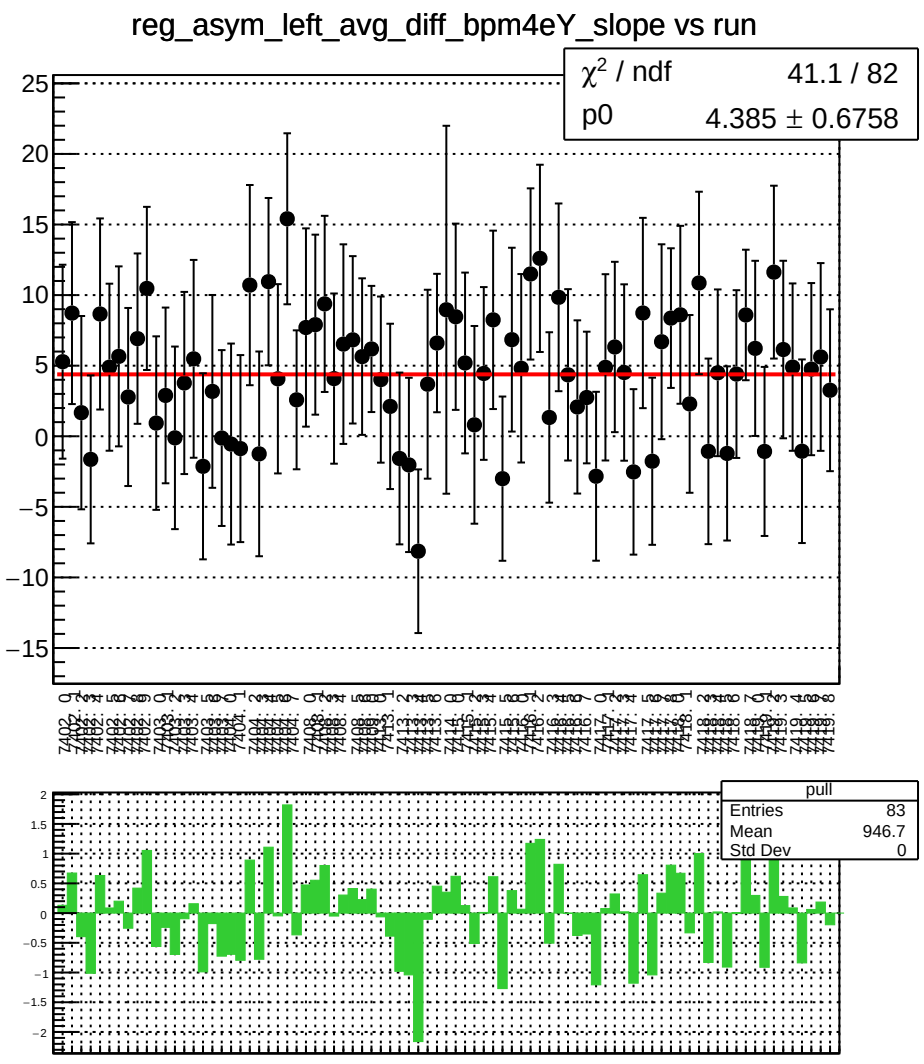

pull1D
Entries 83
Mean −0.0006568
Std Dev 0.6438

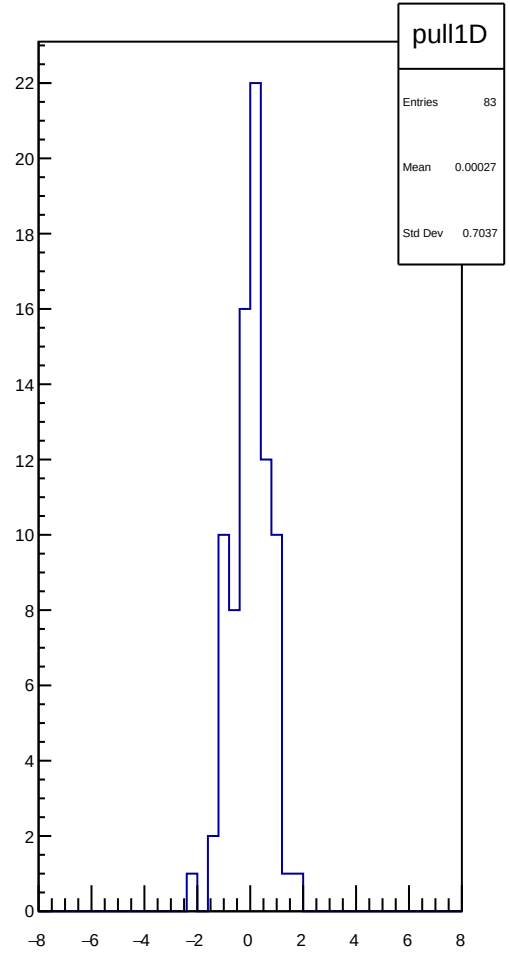

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.52 / 82
p0 4.2 ± 0.6423
pull
Entries 83
Mean 135.9
Std Dev 0

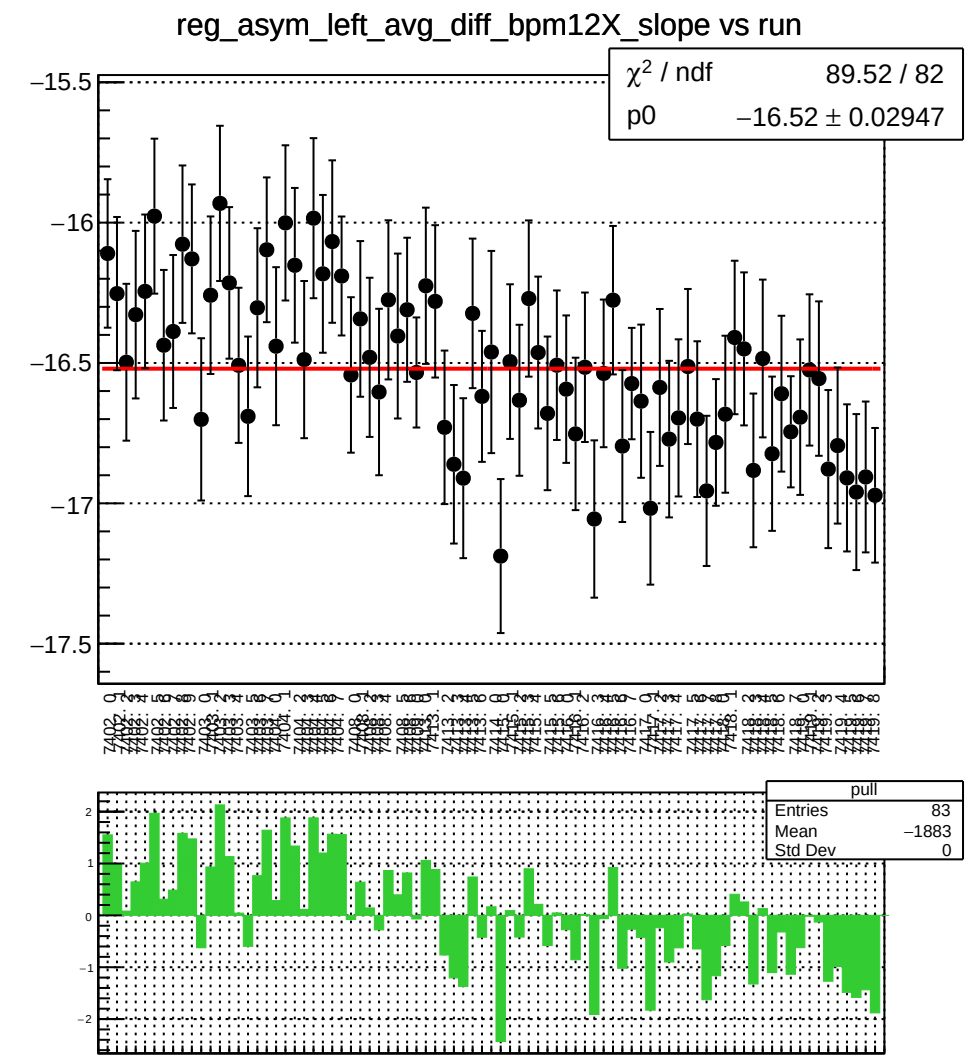

pull1D
Entries 83
Mean −0.004526
Std Dev 0.7158

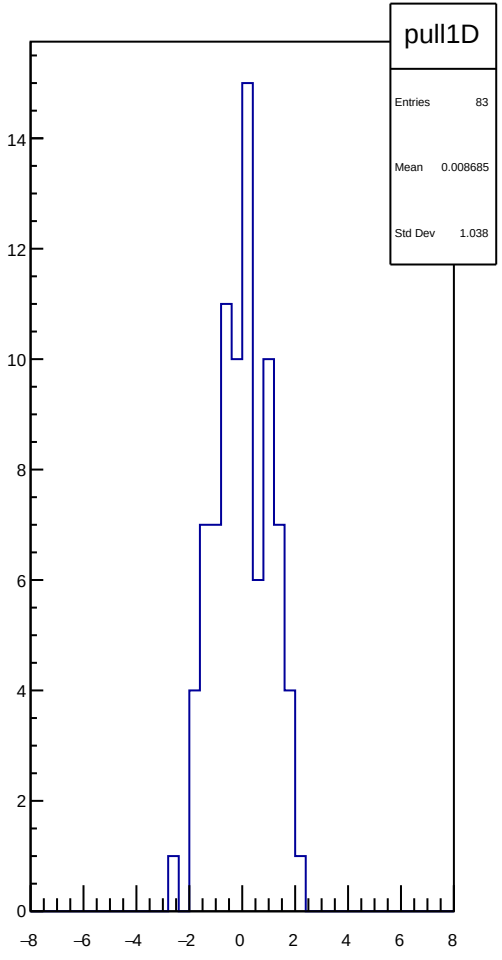

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.18 / 82
p0 3.859 ± 0.6615
pull
Entries 83
Mean −362.6
Std Dev 0

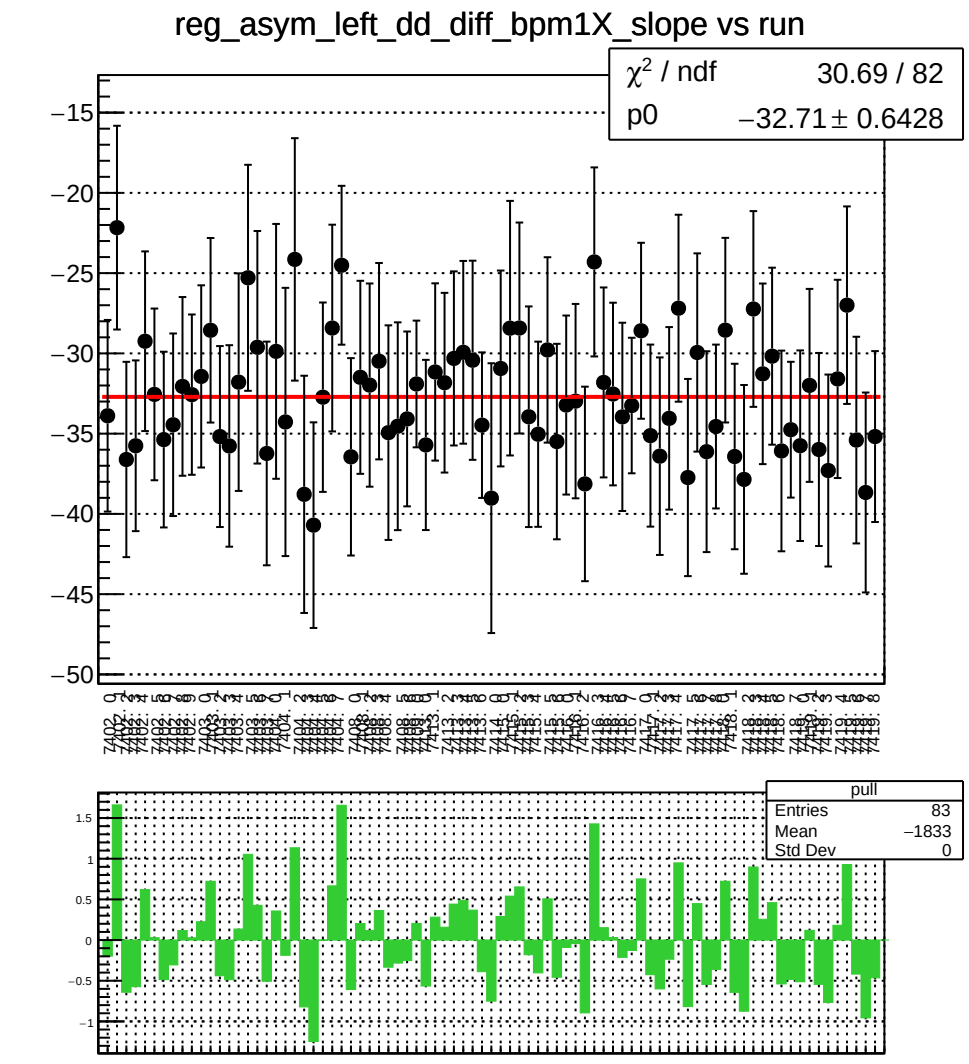

pull1D
Entries 83
Mean 0.003078
Std Dev 0.6417

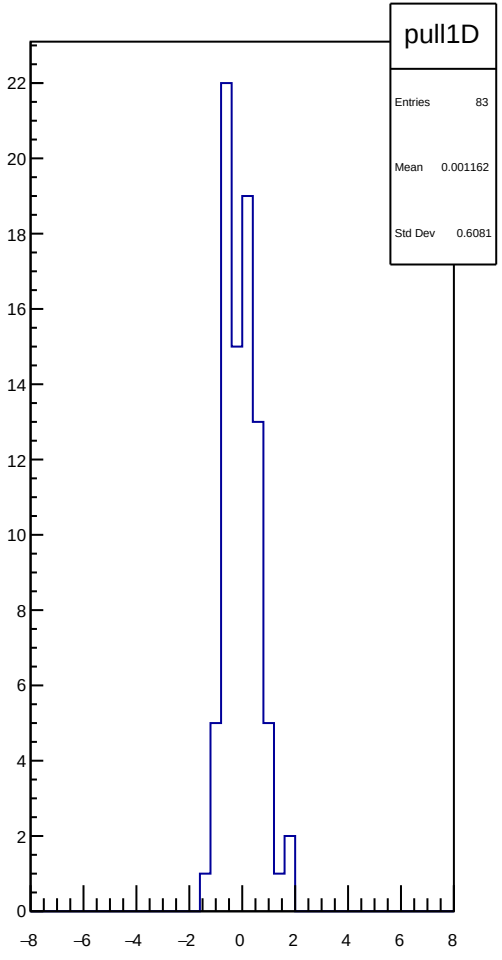

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.1 / 82
p0 4.385 ± 0.6758
pull
Entries 83
Mean 946.7
Std Dev 0

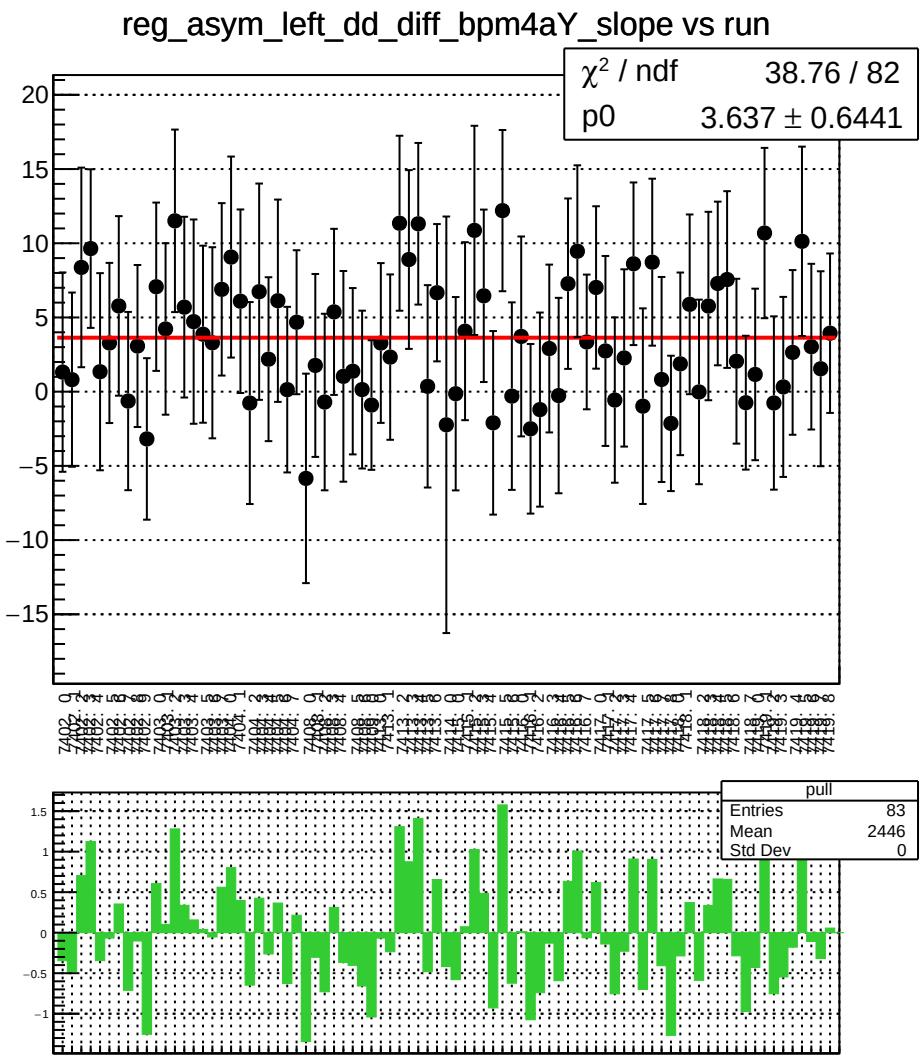

pull1D
Entries 83
Mean 0.00027
Std Dev 0.7037

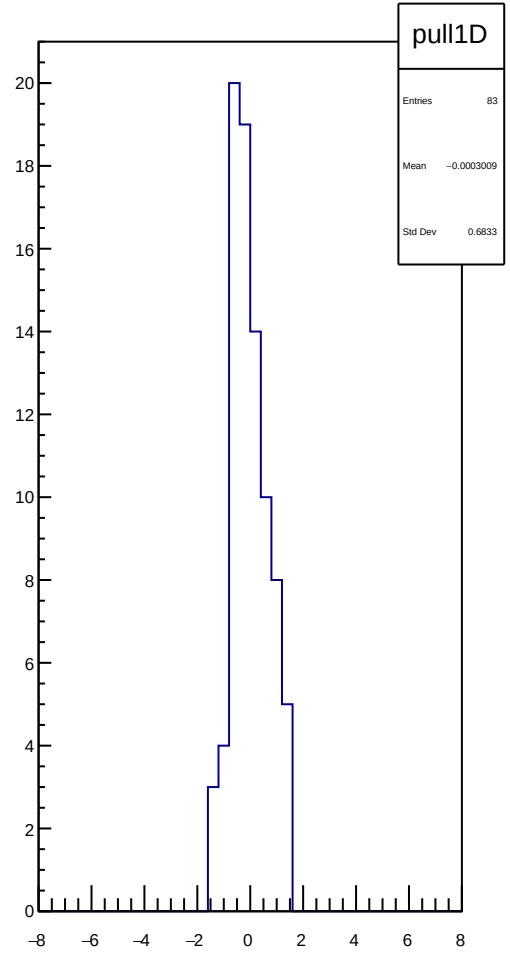

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 89.52 / 82
p0 −16.52 ± 0.02947
−15.5
−16
−16.5
−17
−17.5
pull
Entries 83
Mean −1883
Std Dev 0
2
1
0
−1
−2

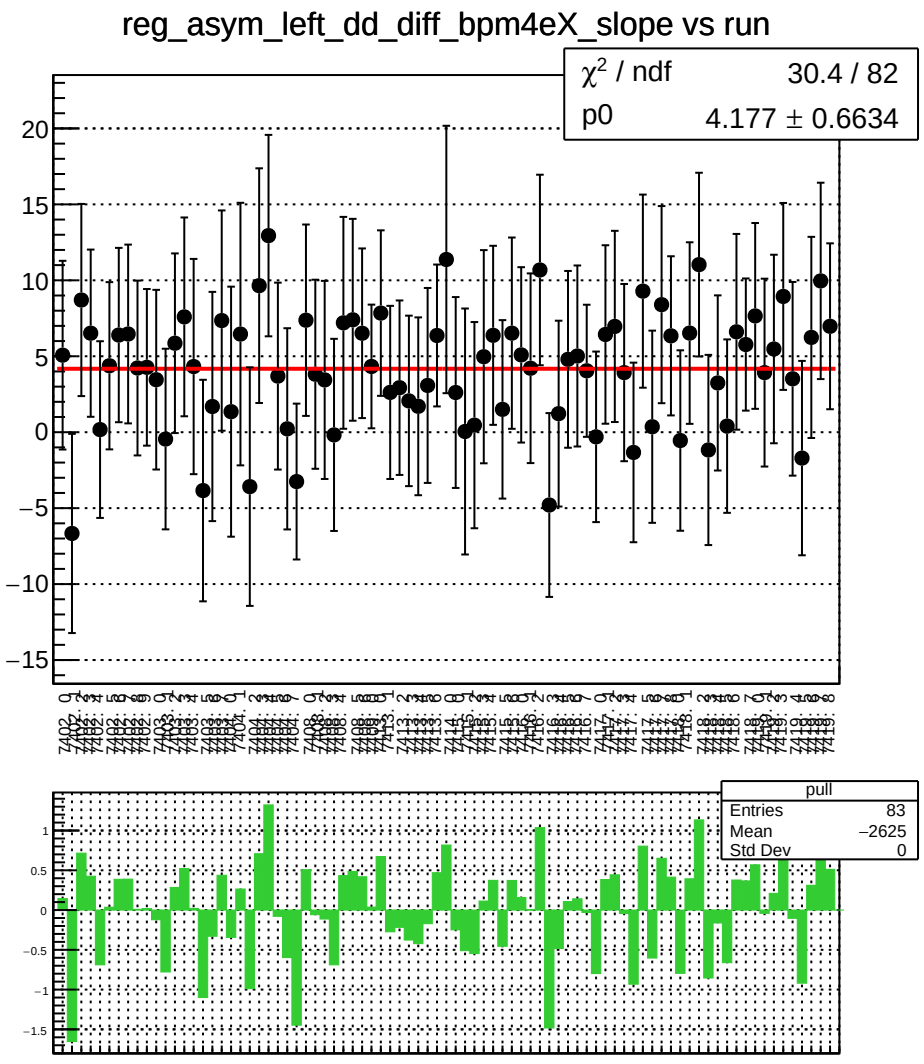

pull1D
Entries 83
Mean 0.008685
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

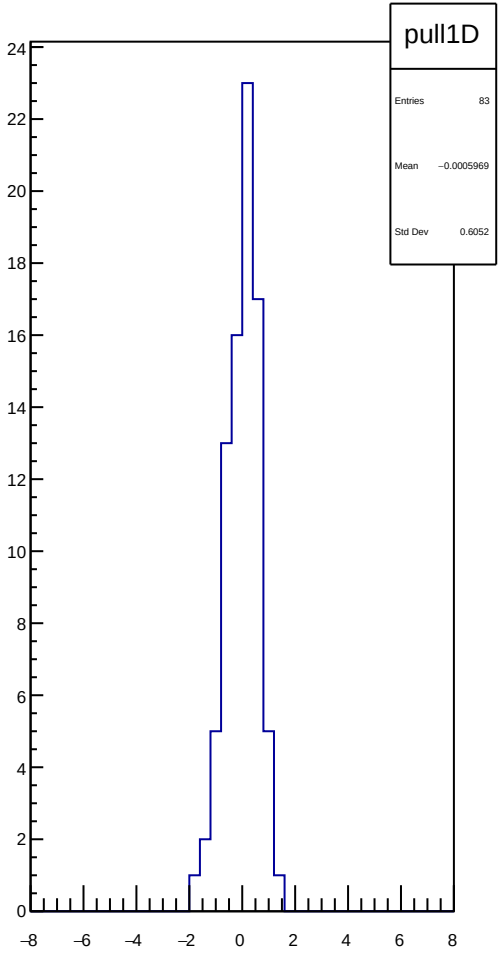

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 30.69 / 82
p0 −32.71 ± 0.6428
pull
Entries 83
Mean −1833
Std Dev 0

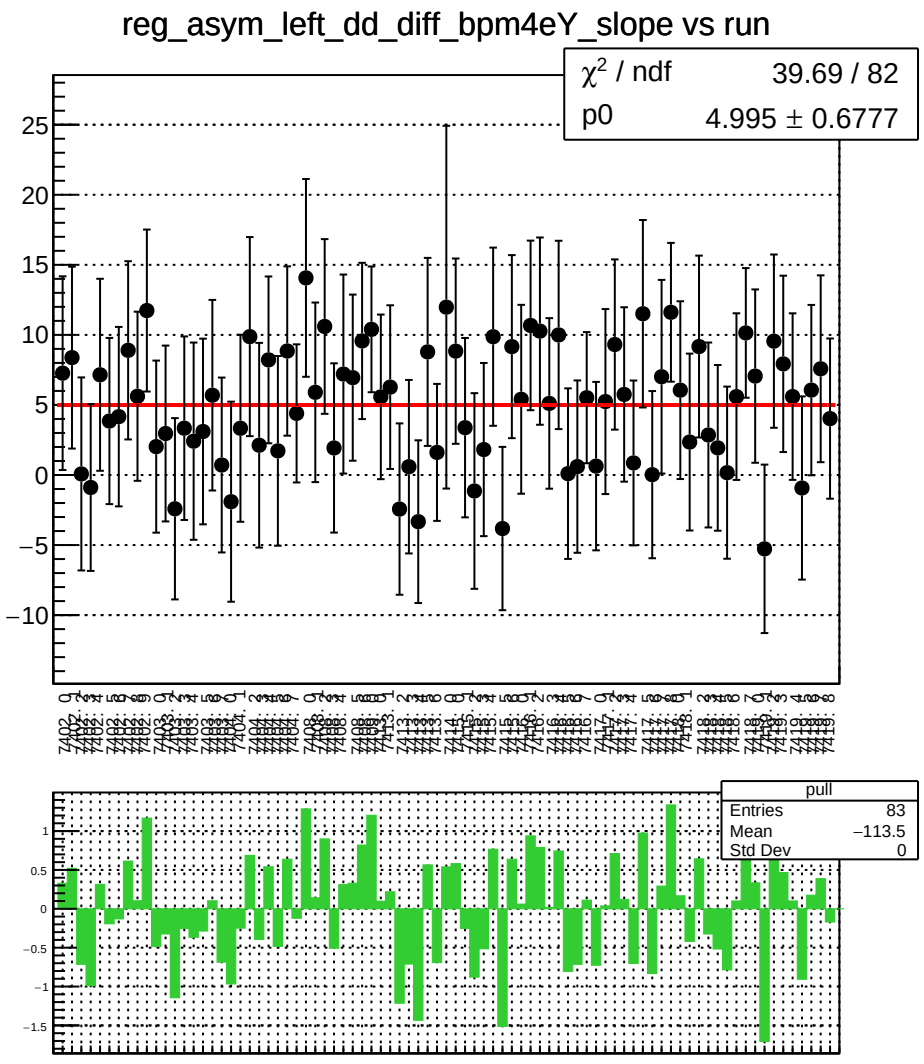

pull1D
Entries 83
Mean 0.001162
Std Dev 0.6081

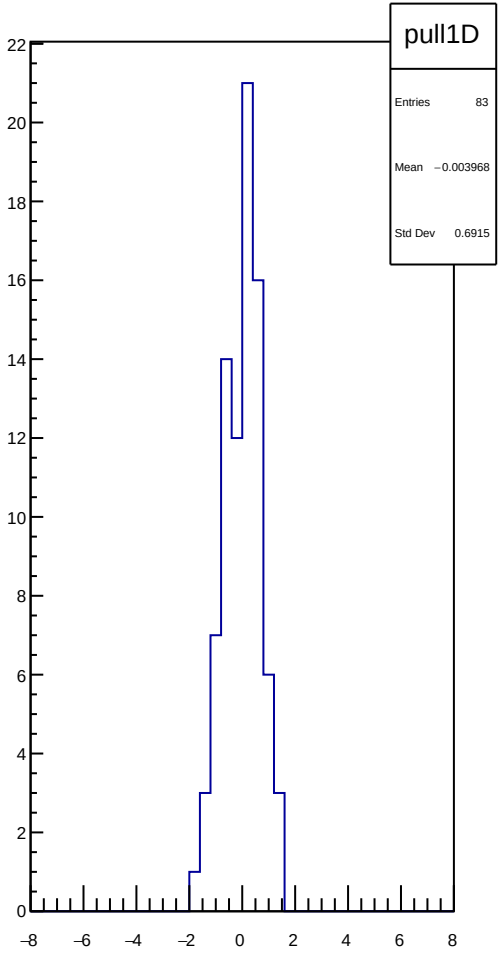

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.76 / 82
p0 3.637 ± 0.6441
pull
Entries 83
Mean 2446
Std Dev 0

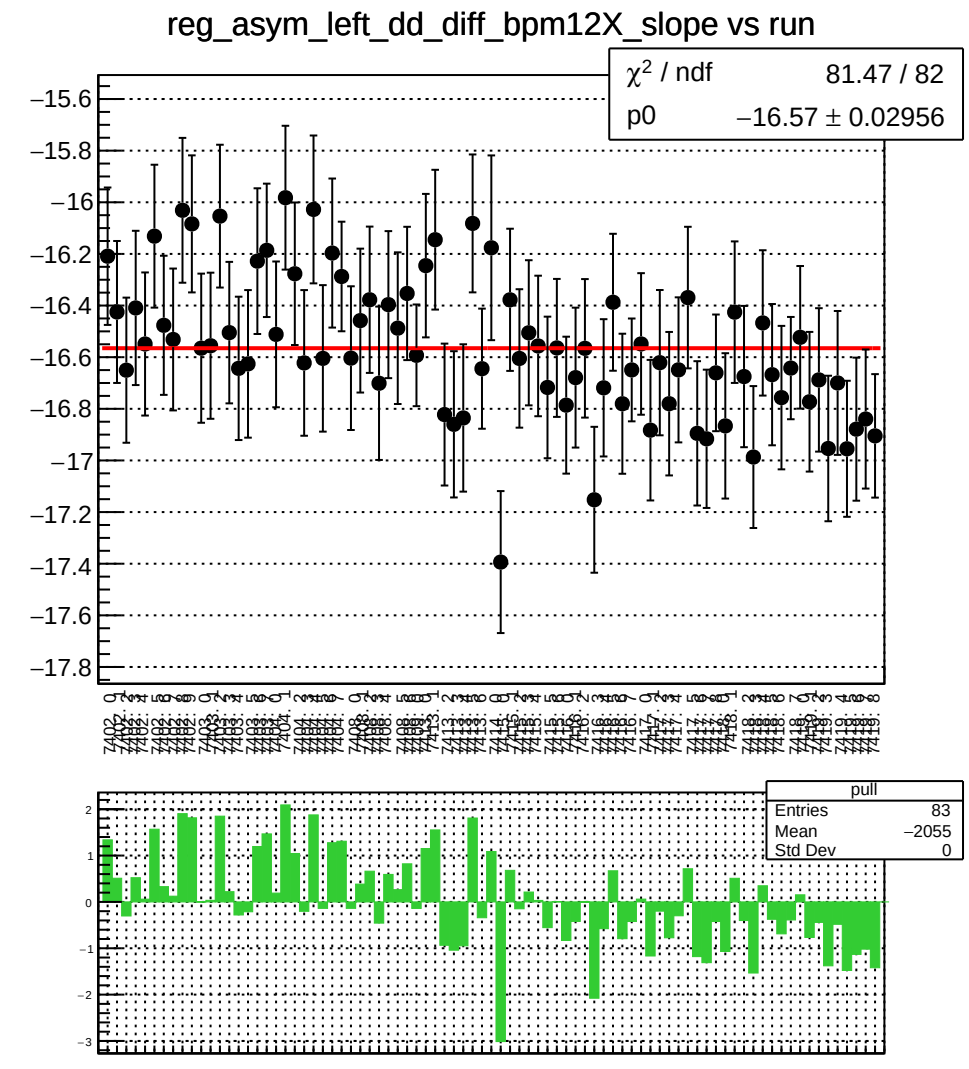

pull1D
Entries 83
Mean −0.0003009
Std Dev 0.6833

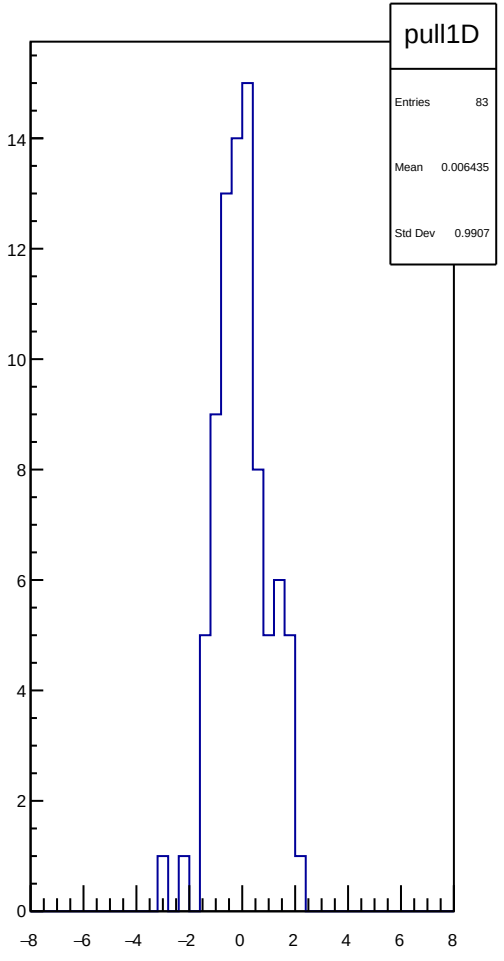

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.4 / 82
p0 4.177 ± 0.6634
pull
Entries 83
Mean −2625
Std Dev 0

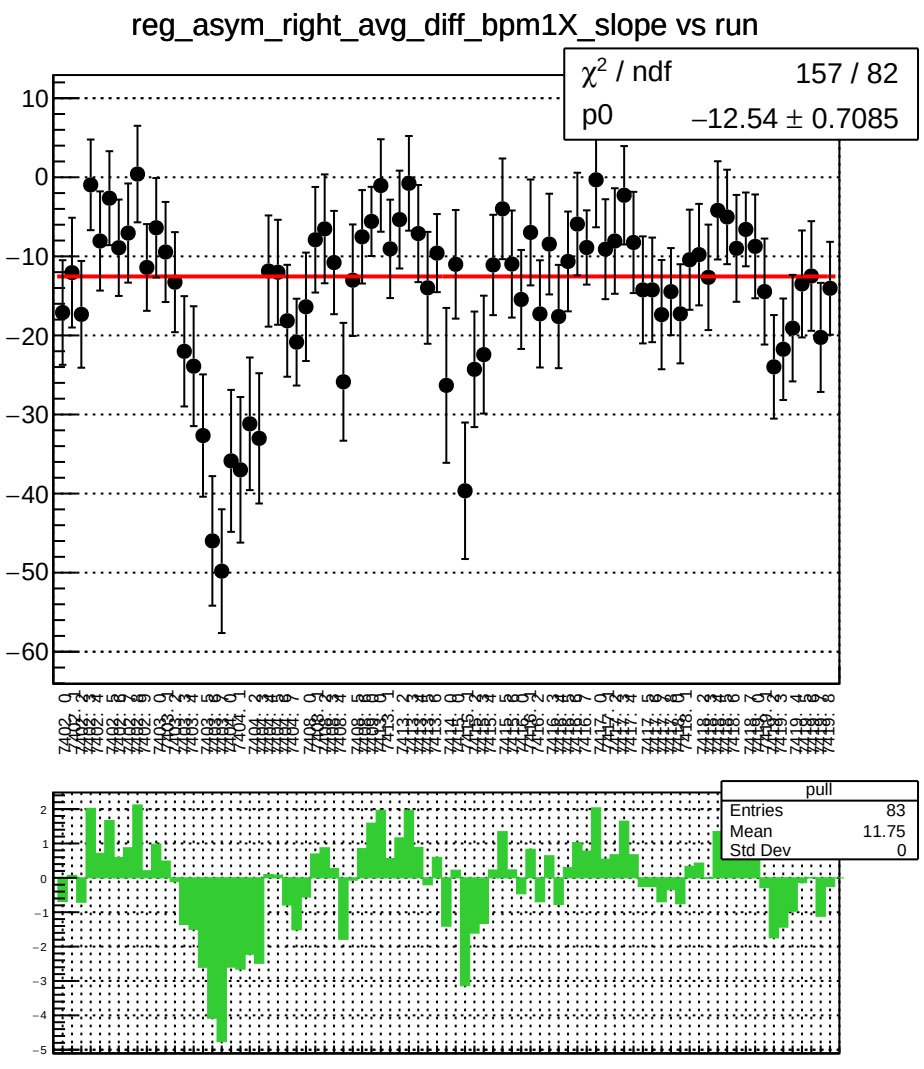

pull1D
Entries 83
Mean −0.0005969
Std Dev 0.6052

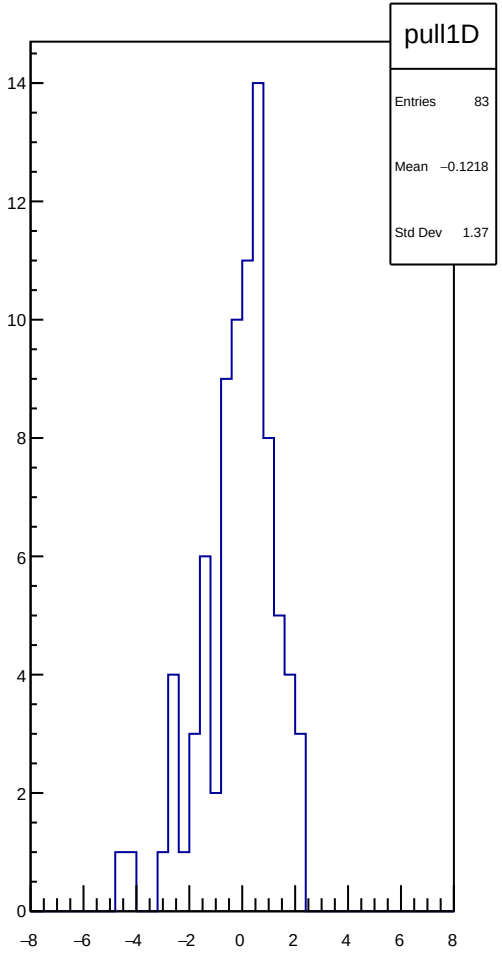

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.69 / 82
p0 4.995 ± 0.6777
pull
Entries 83
Mean −113.5
Std Dev 0

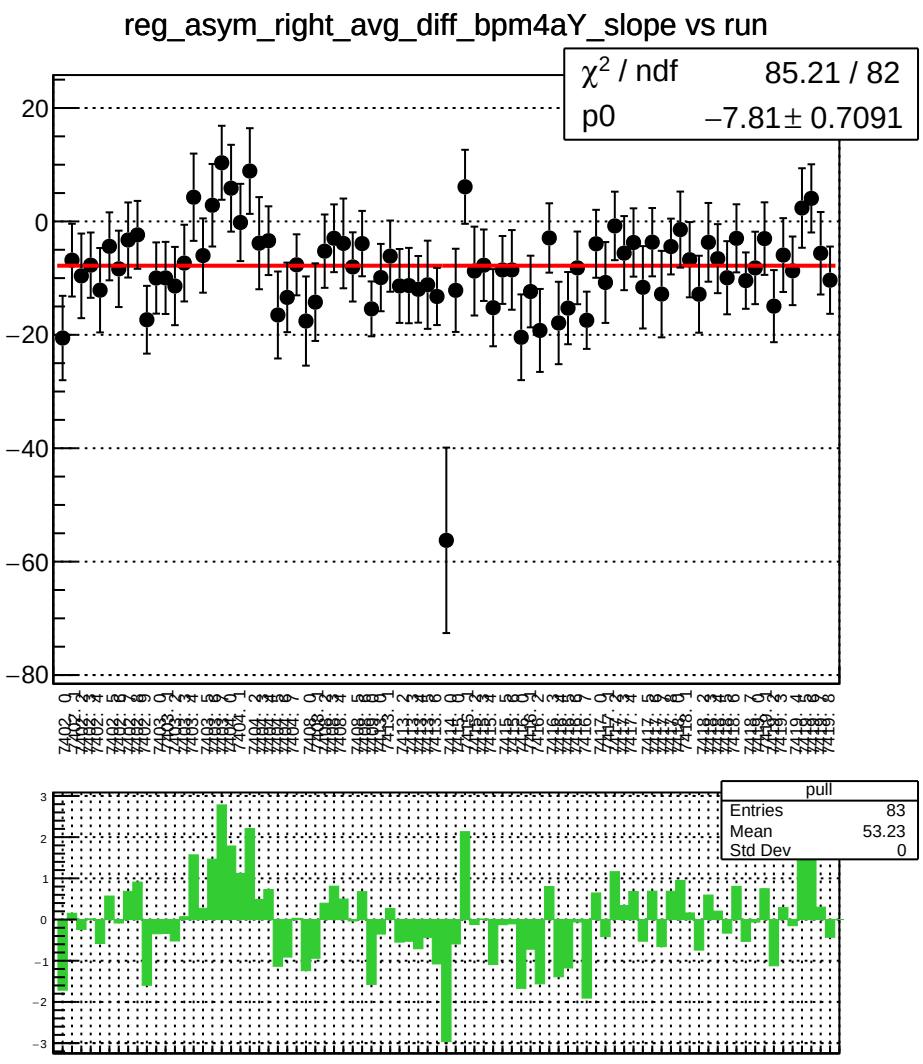

pull1D
Entries 83
Mean −0.003968
Std Dev 0.6915

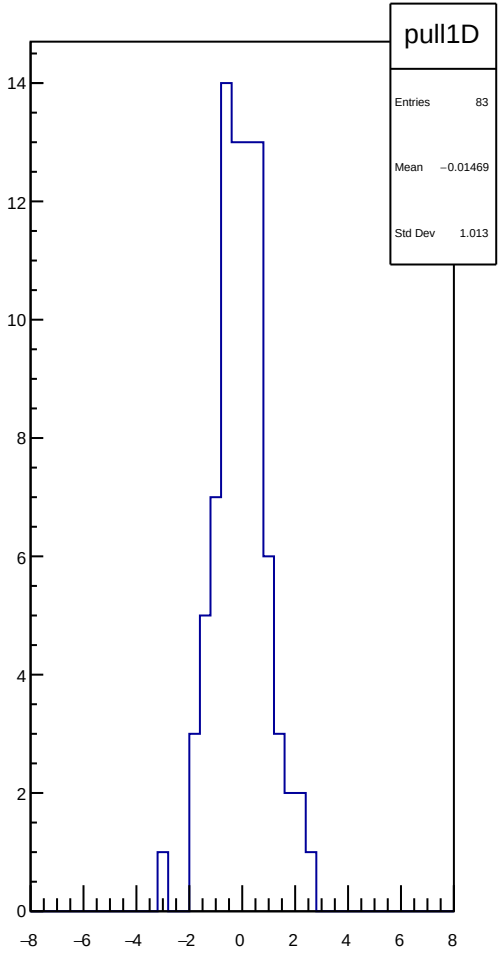

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 81.47 / 82
p0 −16.57 ± 0.02956
pull
Entries 83
Mean −2055
Std Dev 0

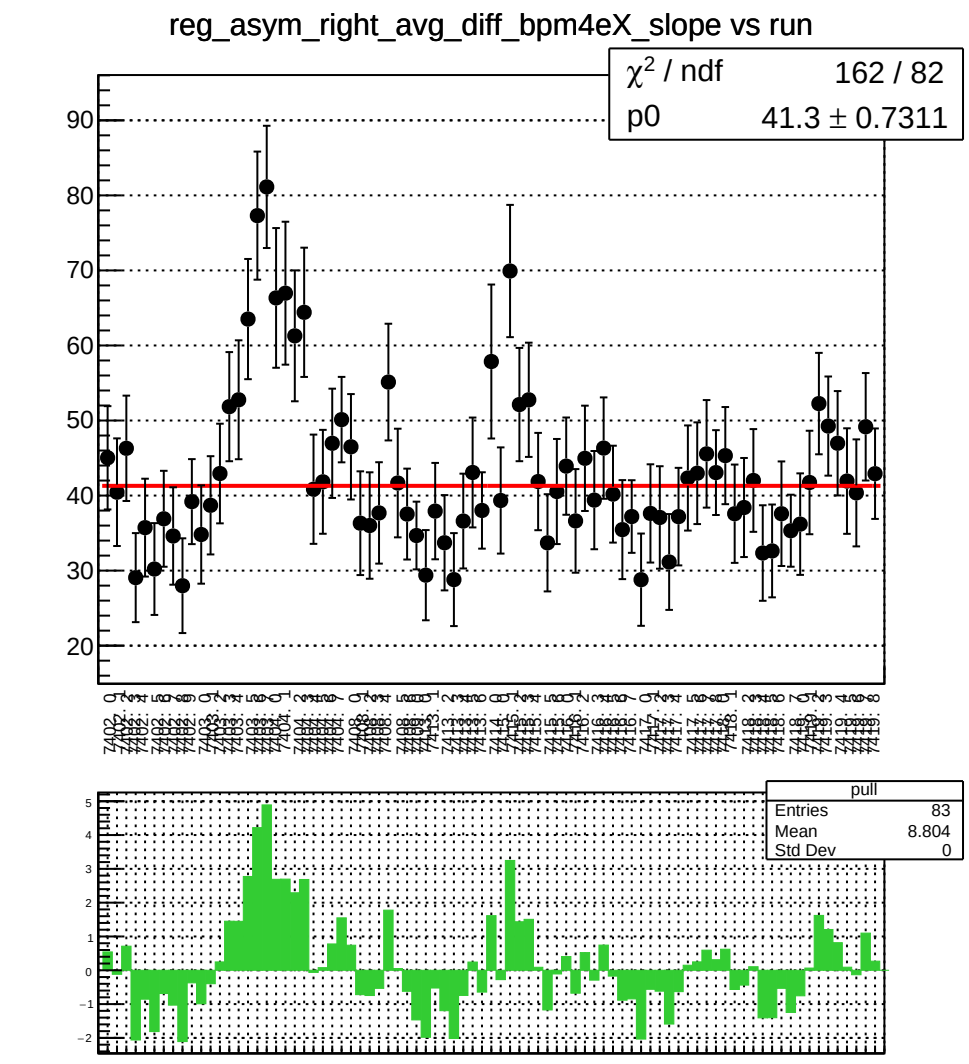

pull1D
Entries 83
Mean 0.006435
Std Dev 0.9907

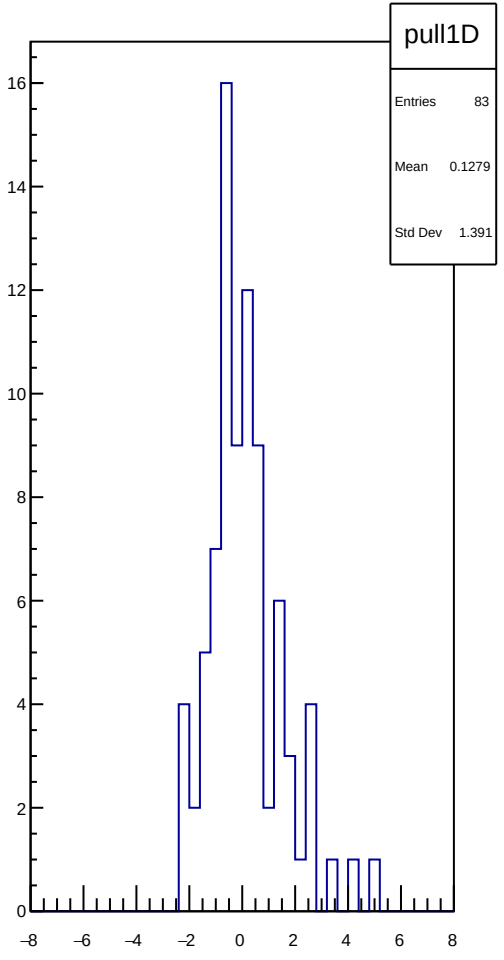

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 157 / 82
p0 −12.54 ± 0.7085
pull
Entries 83
Mean 11.75
Std Dev 0

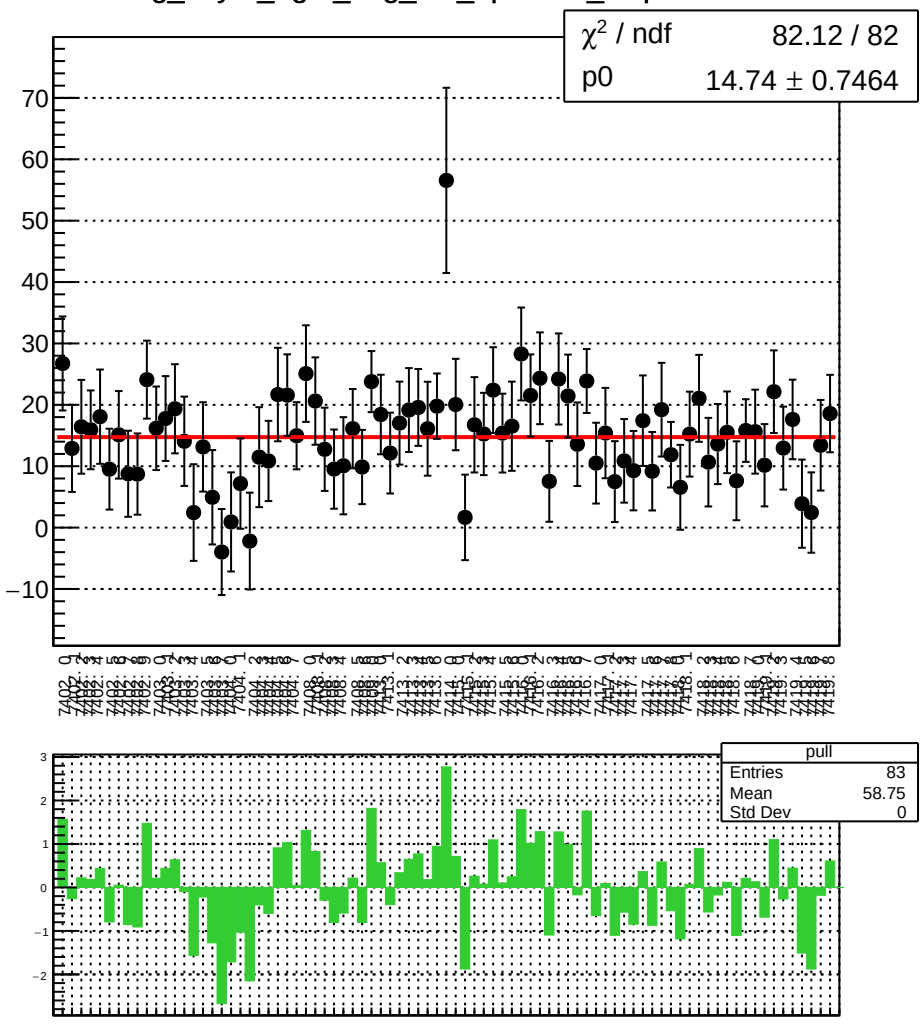

pull1D
Entries 83
Mean −0.1218
Std Dev 1.37

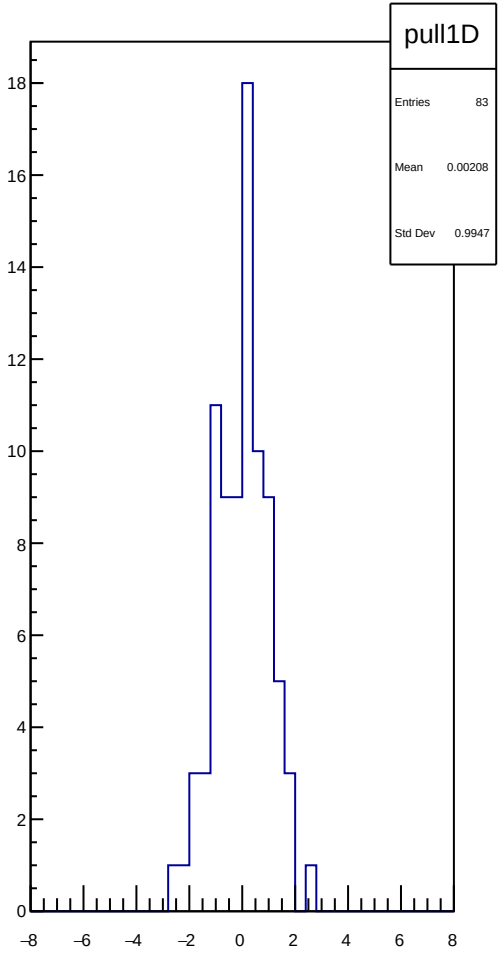

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.21 / 82
p0 −7.81 ± 0.7091
pull
Entries 83
Mean 53.23
Std Dev 0

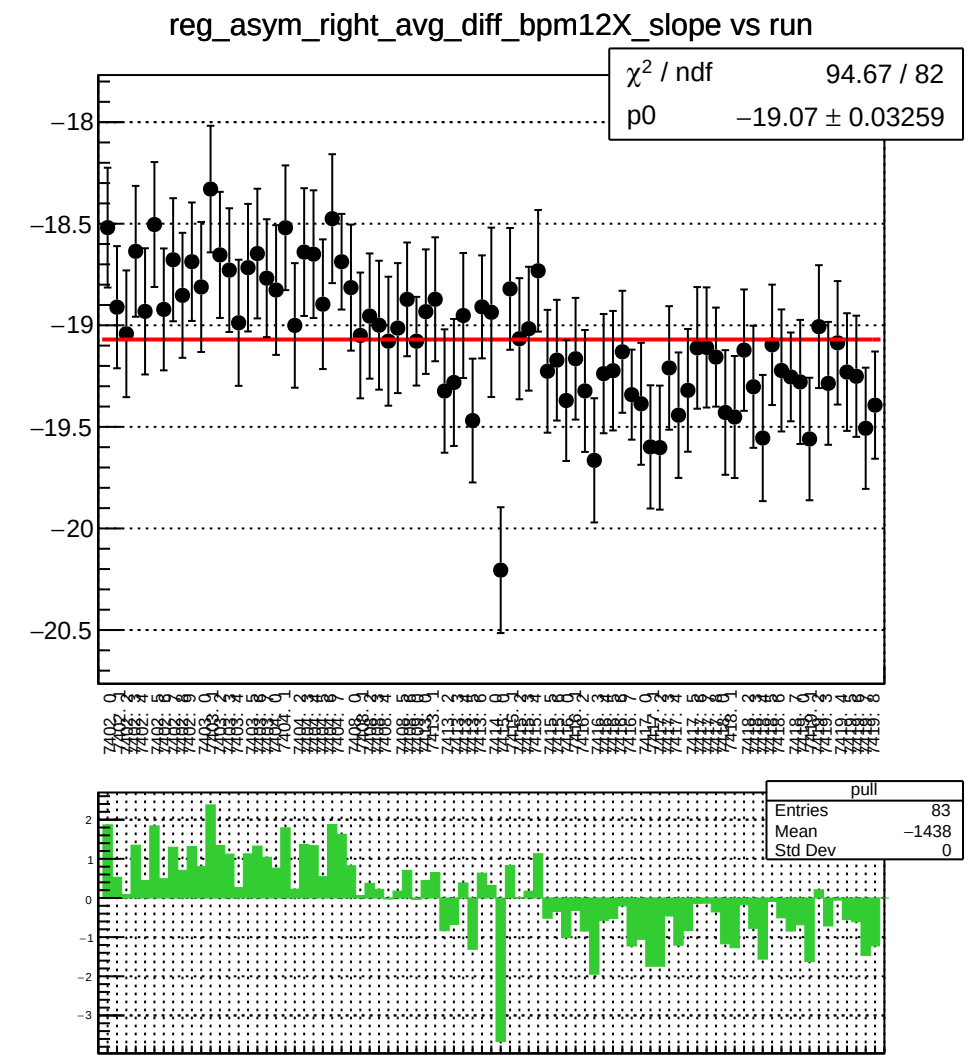

pull1D
Entries 83
Mean −0.01469
Std Dev 1.013

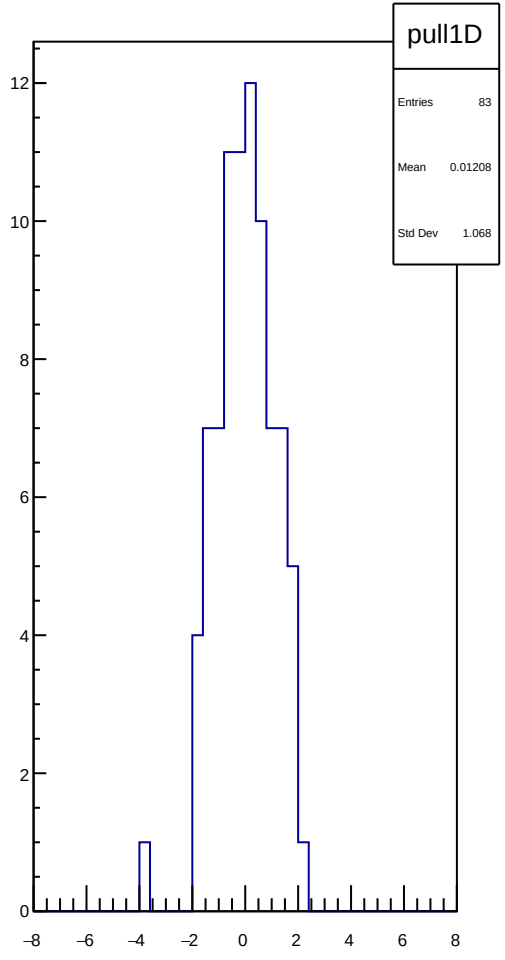

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 162 / 82
p0 41.3 ± 0.7311
pull
Entries 83
Mean 8.804
Std Dev 0

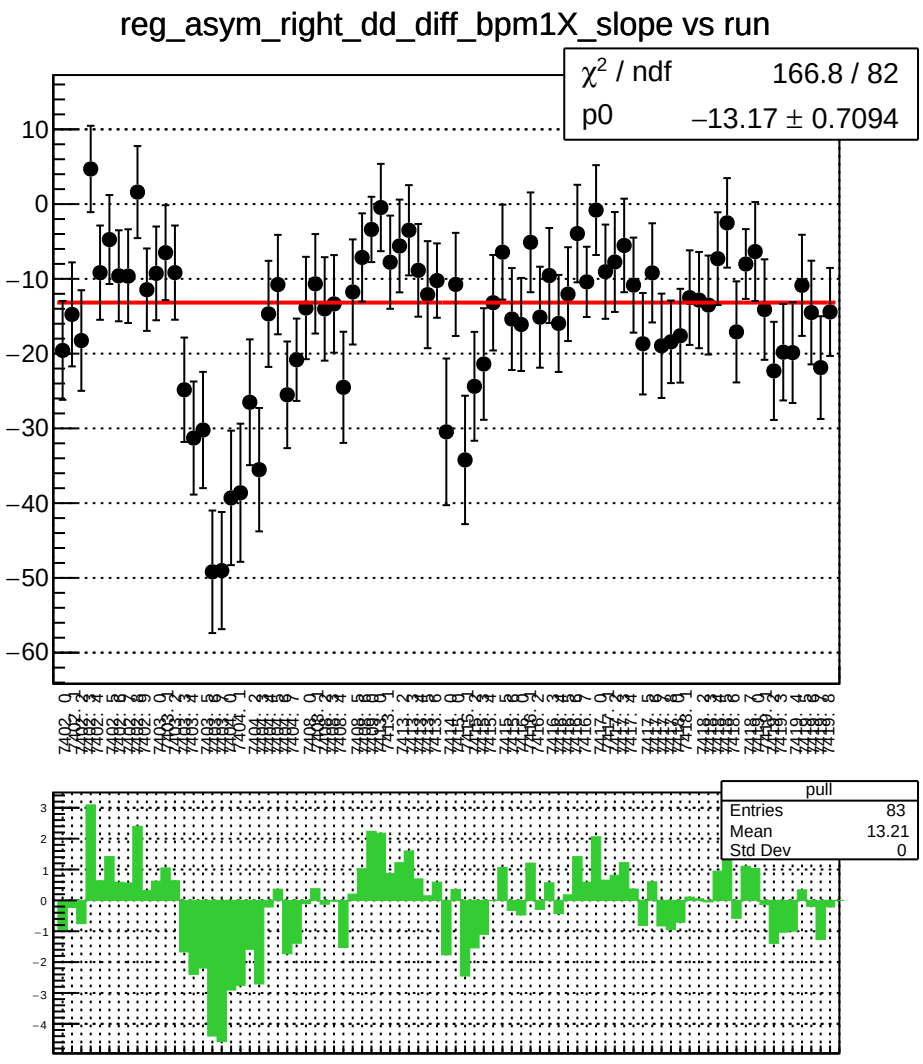

pull1D
Entries 83
Mean 0.1279
Std Dev 1.391

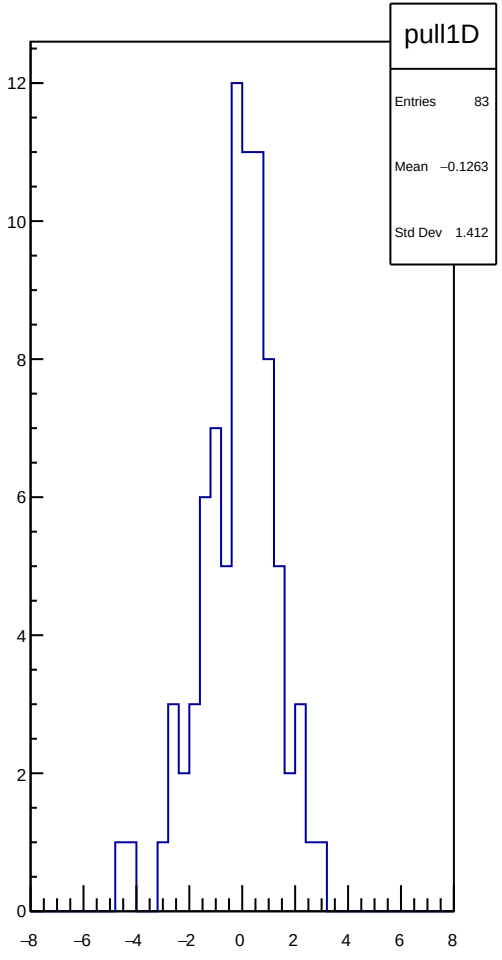

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.12 / 82
p0 14.74 ± 0.7464
pull
Entries 83
Mean 58.75
Std Dev 0

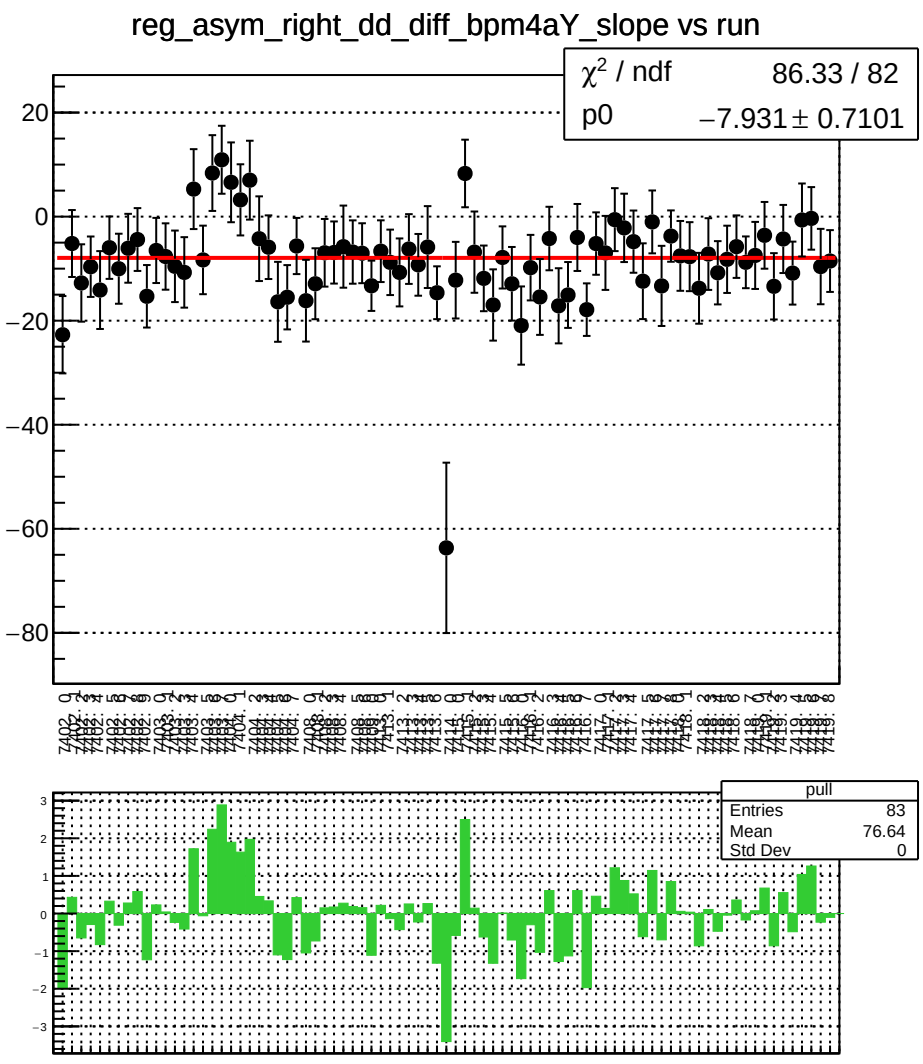

pull1D
Entries 83
Mean 0.00208
Std Dev 0.9947

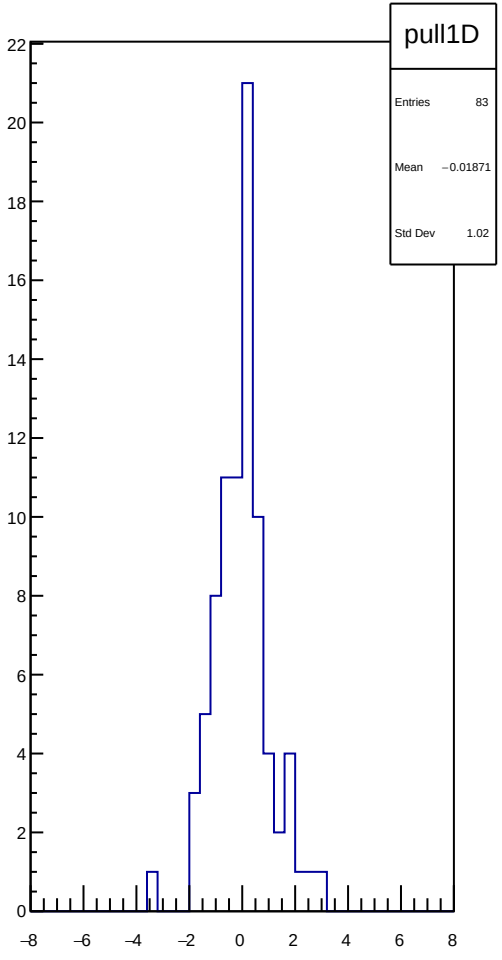

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 94.67 / 82
p0 −19.07 ± 0.03259
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 83
Mean −1438
Std Dev 0
2
1
0
−1
−2
−3

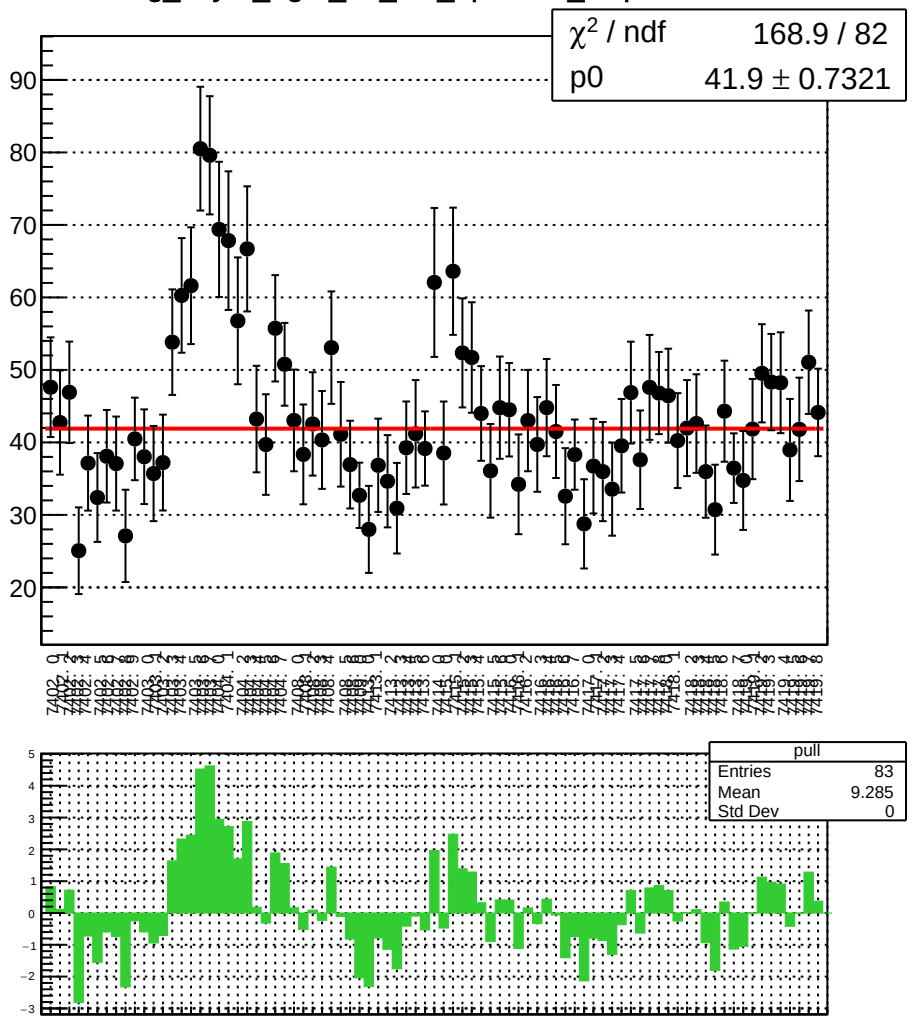

pull1D
Entries 83
Mean 0.01208
Std Dev 1.068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

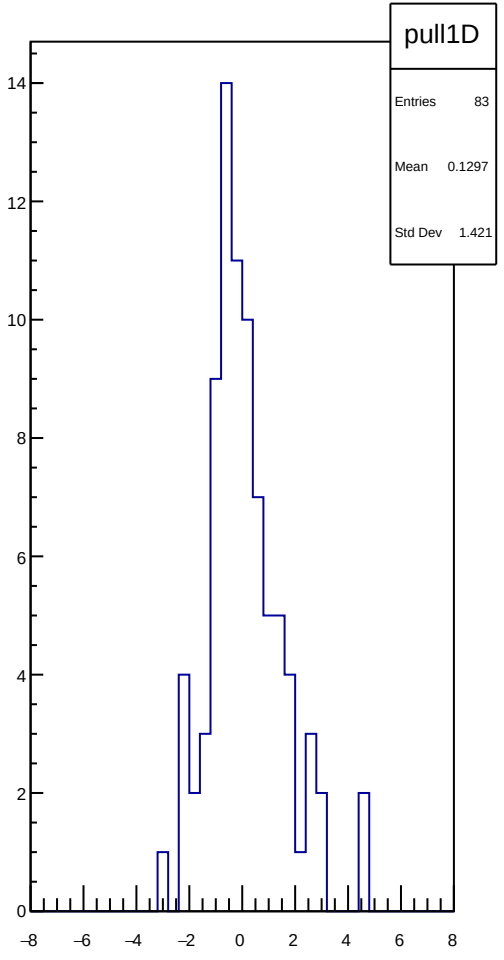

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 166.8 / 82
p0 −13.17 ± 0.7094
pull
Entries 83
Mean 13.21
Std Dev 0

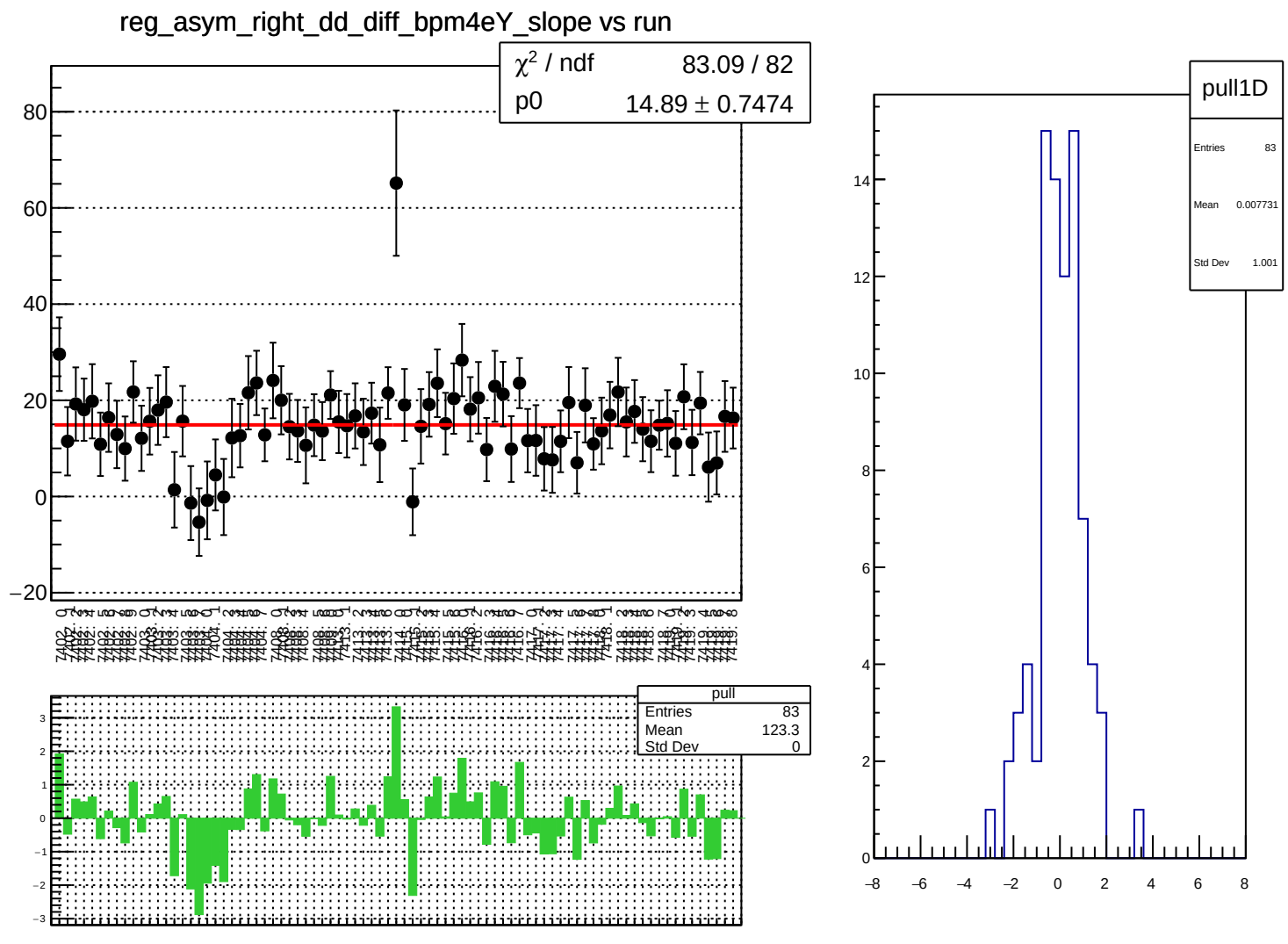

pull1D
Entries 83
Mean −0.1263
Std Dev 1.412

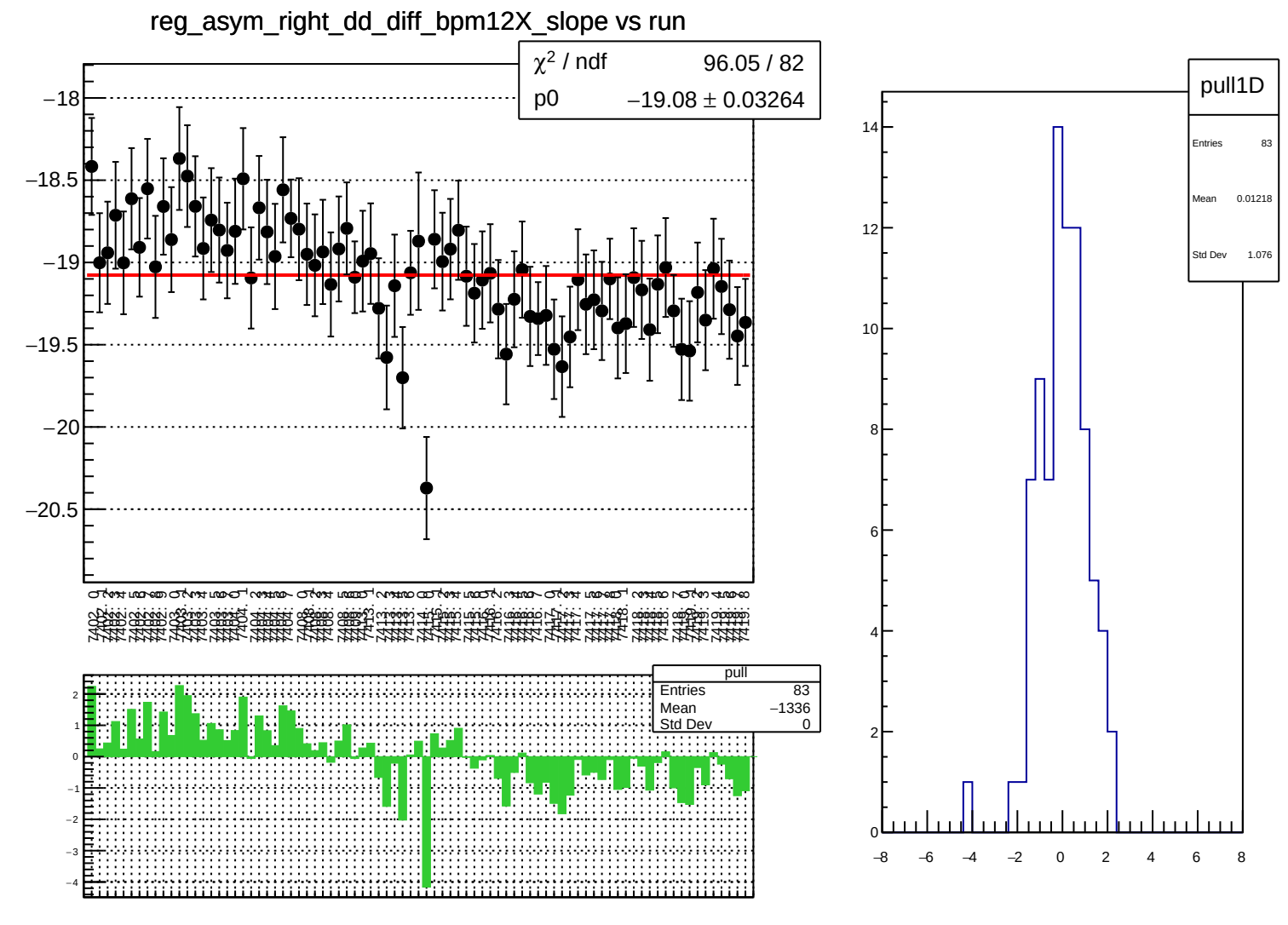

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.33 / 82
p0 −7.931 ± 0.7101
pull
Entries 83
Mean 76.64
Std Dev 0

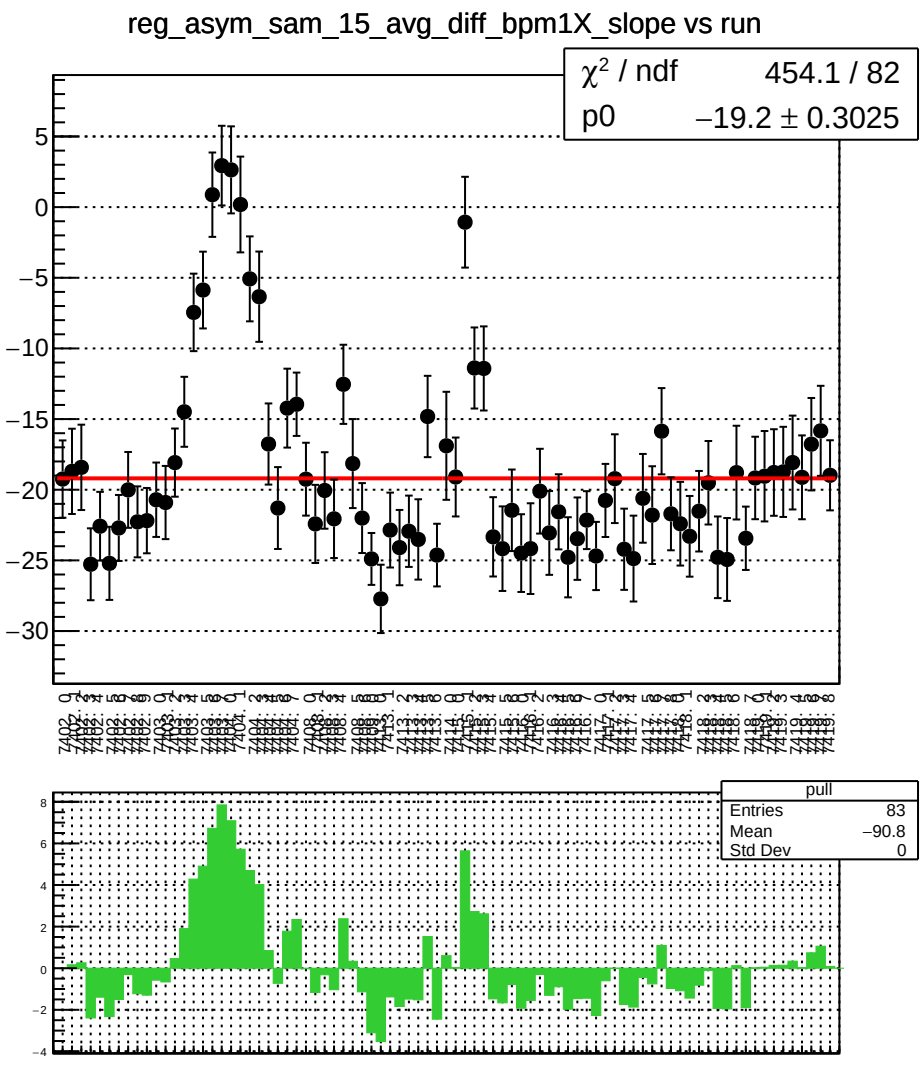

pull1D
Entries 83
Mean −0.01871
Std Dev 1.02

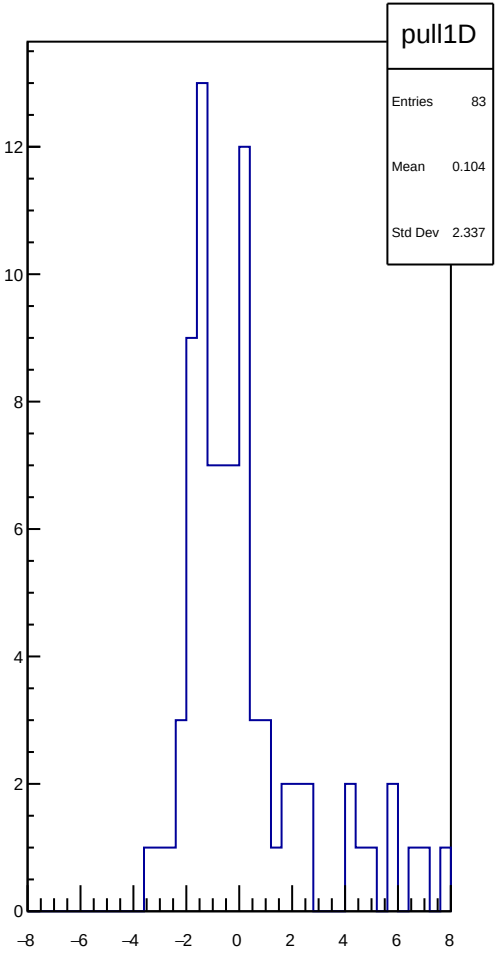

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 168.9 / 82
p0 41.9 ± 0.7321
pull
Entries 83
Mean 9.285
Std Dev 0

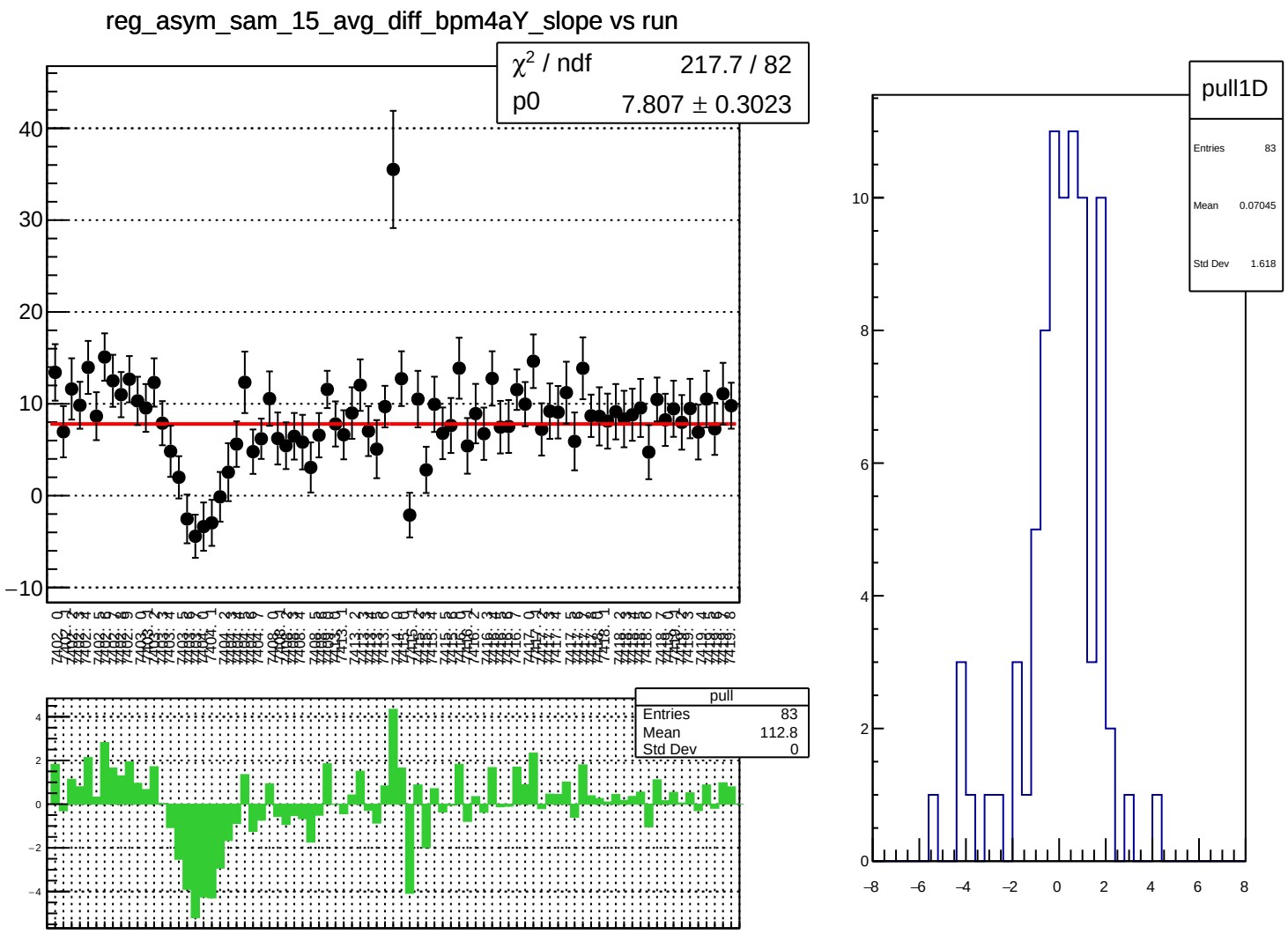

pull1D
Entries 83
Mean 0.1297
Std Dev 1.421

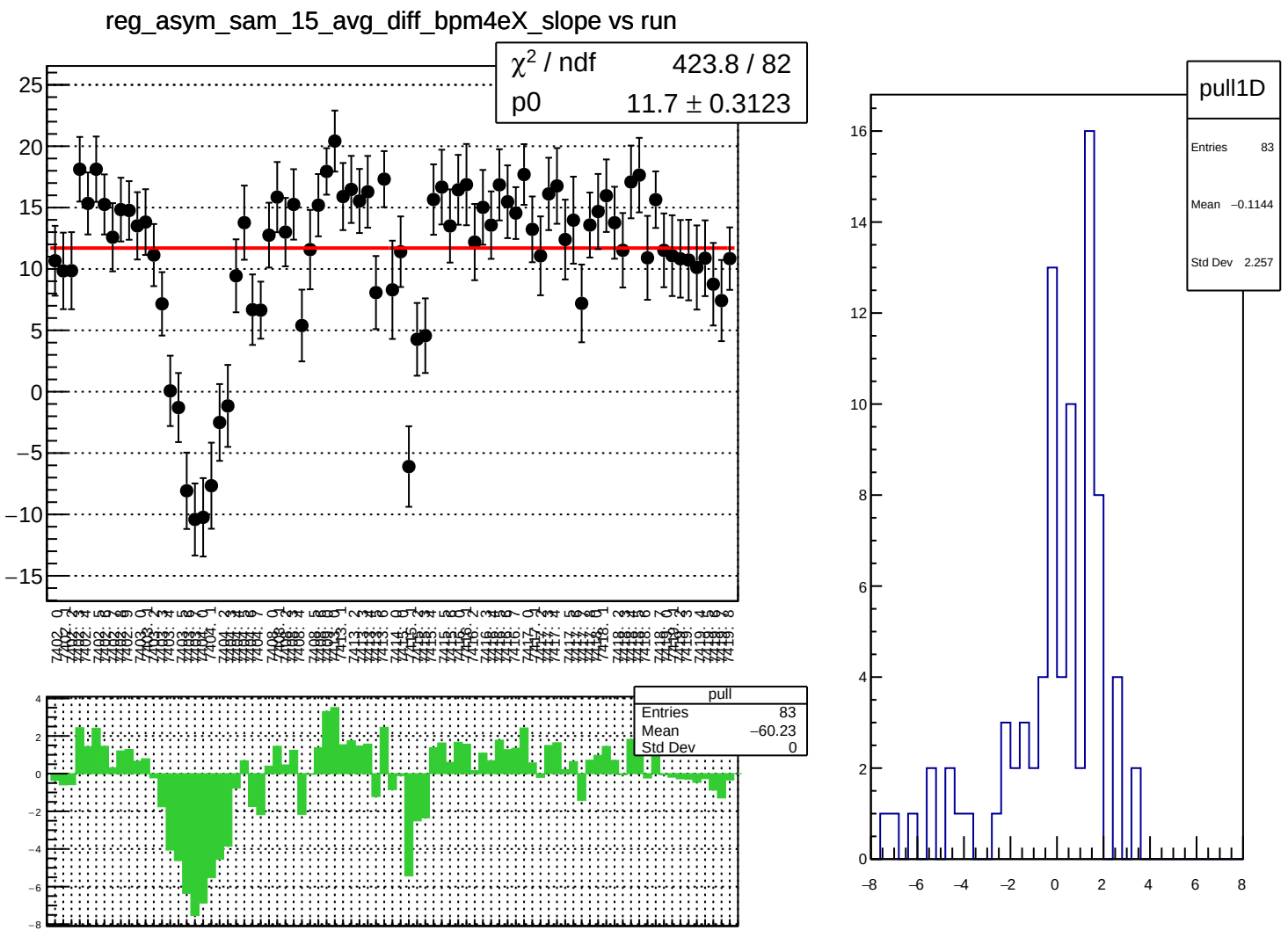

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.09 / 82
p0 14.89 ± 0.7474
pull
Entries 83
Mean 123.3
Std Dev 0
pull1D
Entries 83
Mean 0.007731
Std Dev 1.001

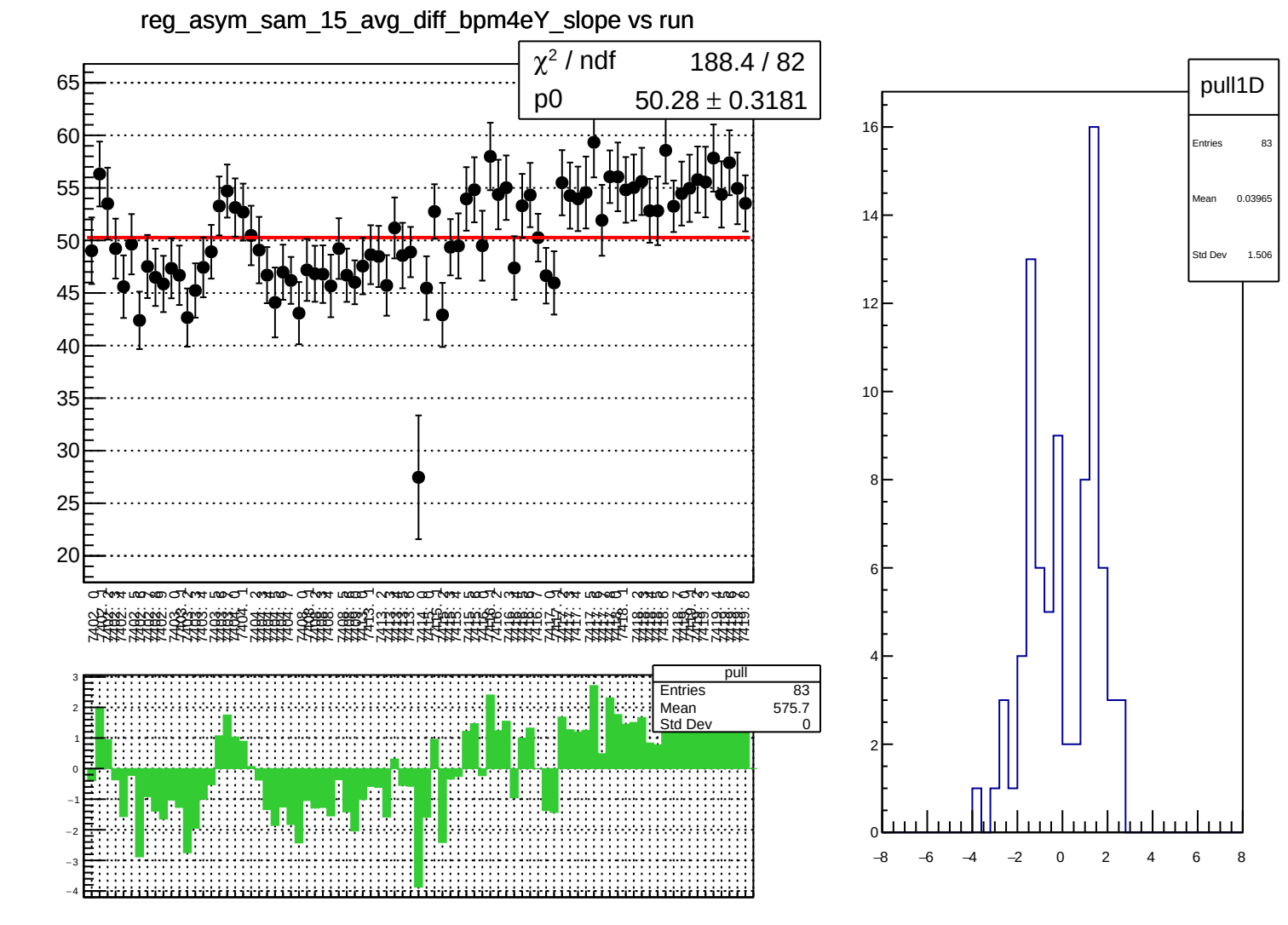

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 96.05 / 82
p0 −19.08 ± 0.03264
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 83
Mean −1336
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 83
Mean 0.01218
Std Dev 1.076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

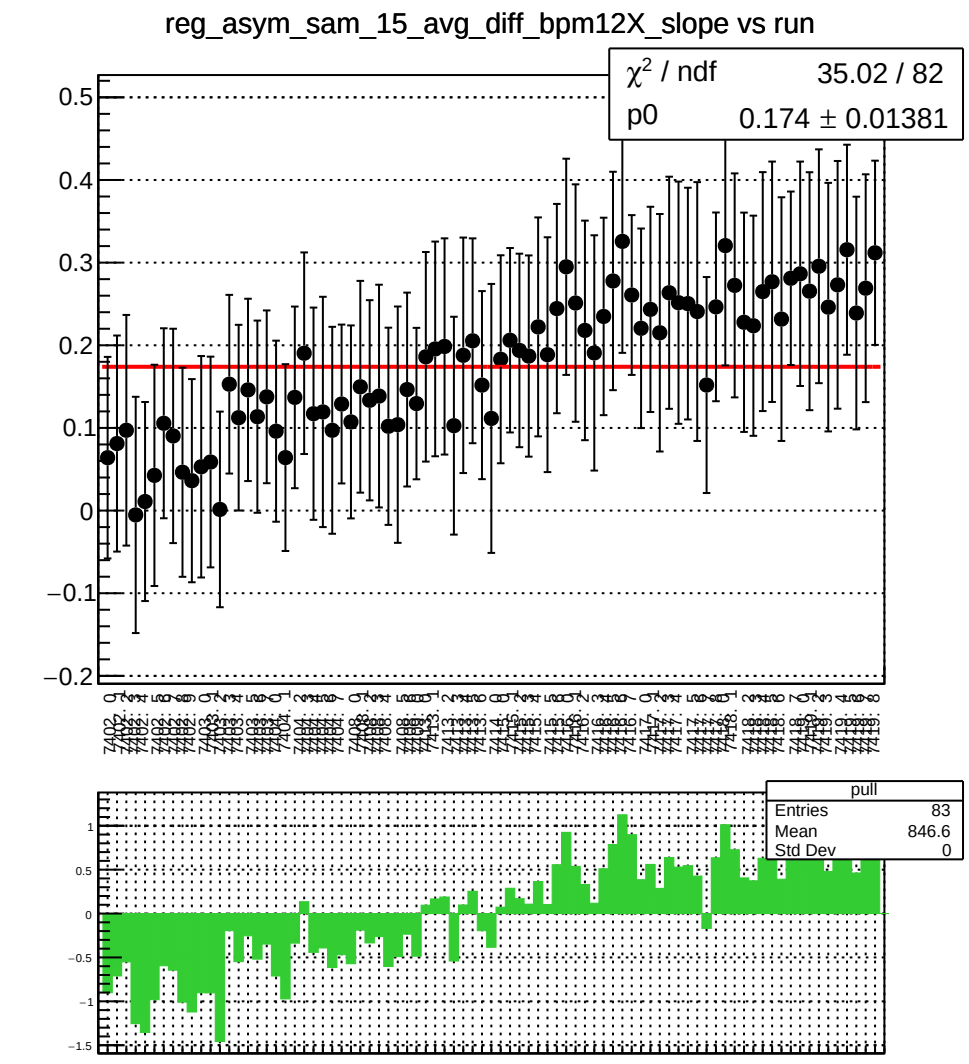

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 454.1 / 82
p0 −19.2 ± 0.3025
pull
Entries 83
Mean −90.8
Std Dev 0

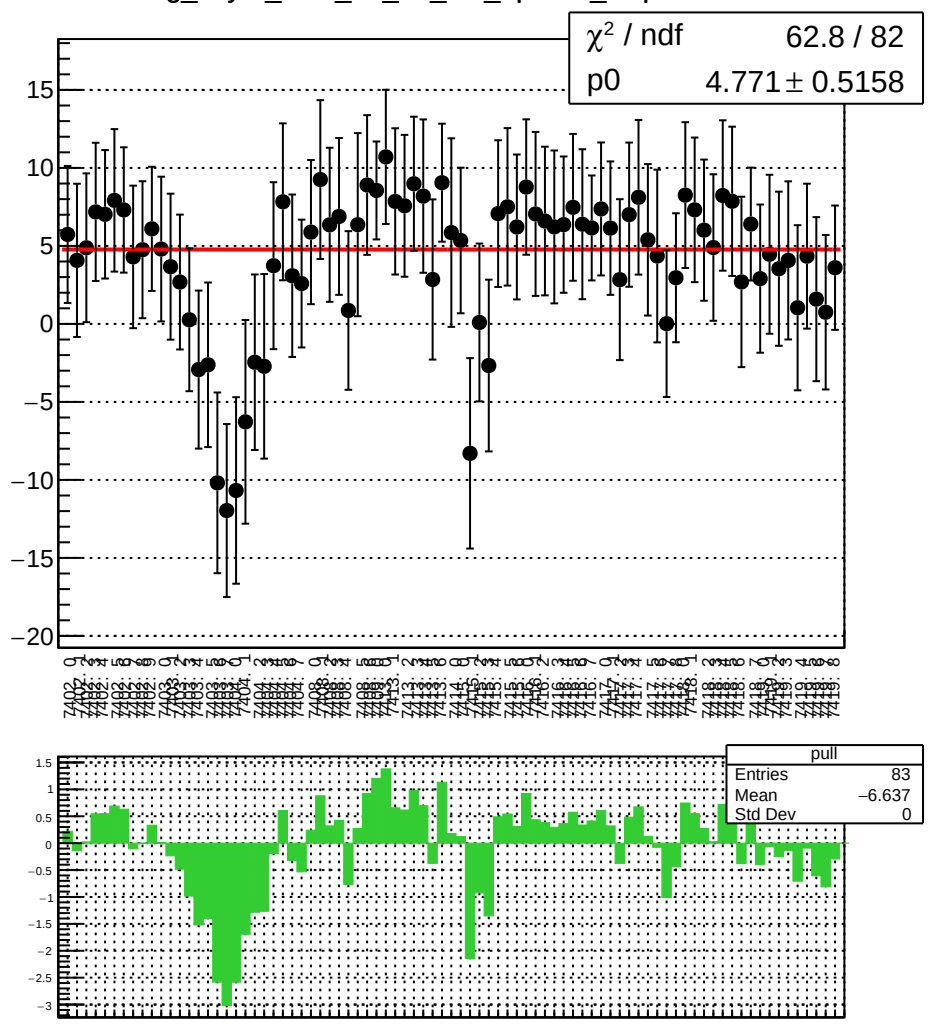

pull1D
Entries 83
Mean 0.104
Std Dev 2.337

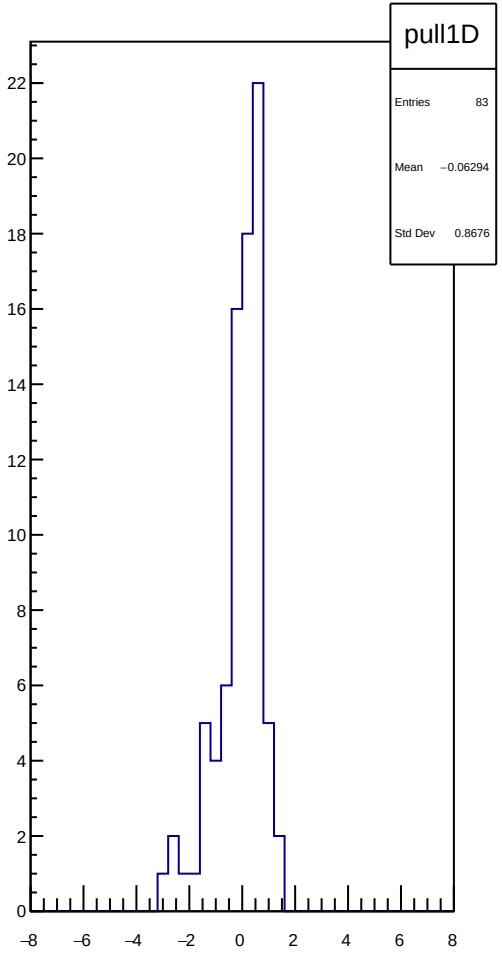

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 217.7 / 82
p0 7.807 ± 0.3023
pull
Entries 83
Mean 112.8
Std Dev 0
pull1D
Entries 83
Mean 0.07045
Std Dev 1.618

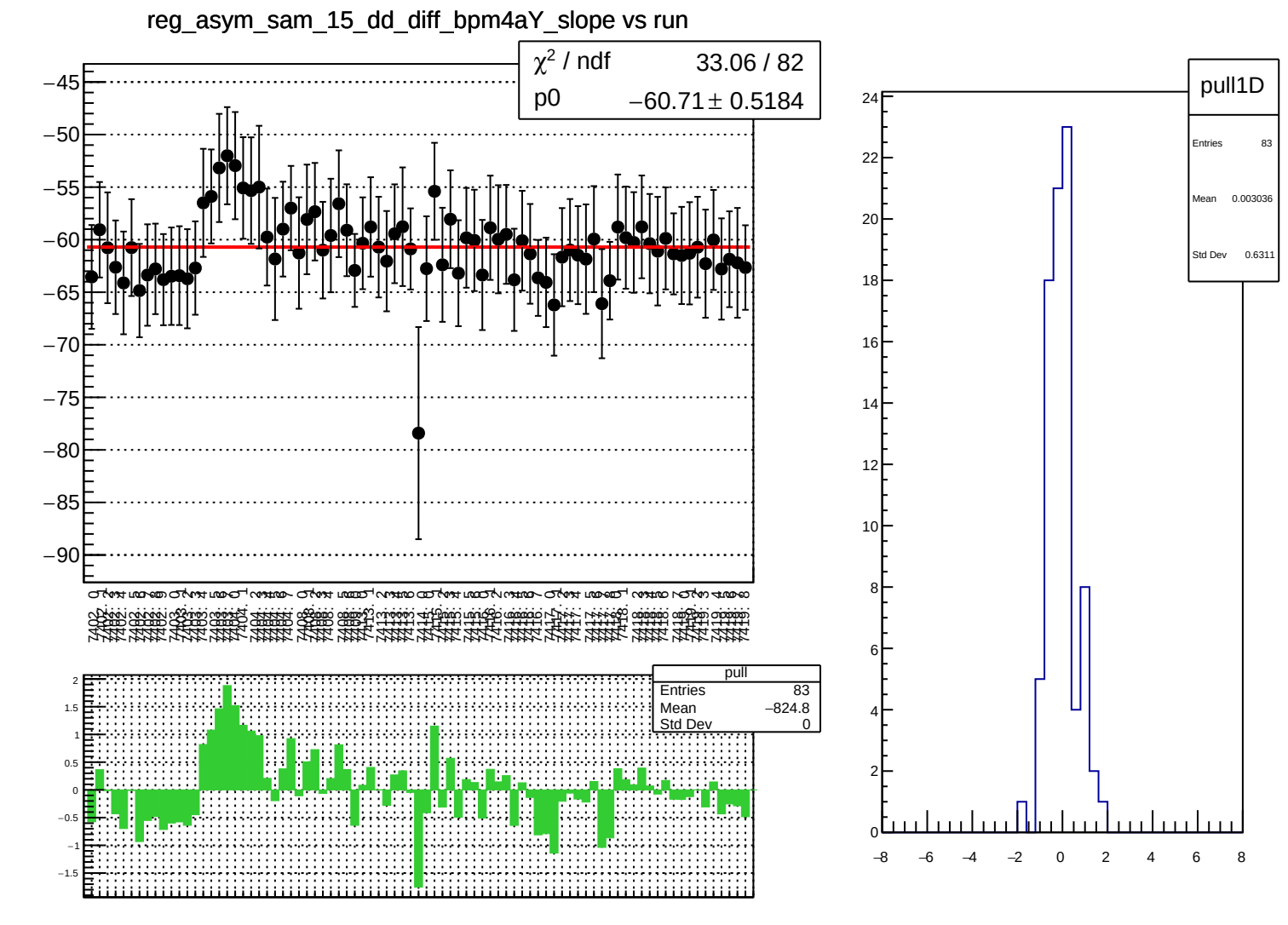

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 423.8 / 82
p0 11.7 ± 0.3123
pull
Entries 83
Mean −60.23
Std Dev 0
pull1D
Entries 83
Mean −0.1144
Std Dev 2.257

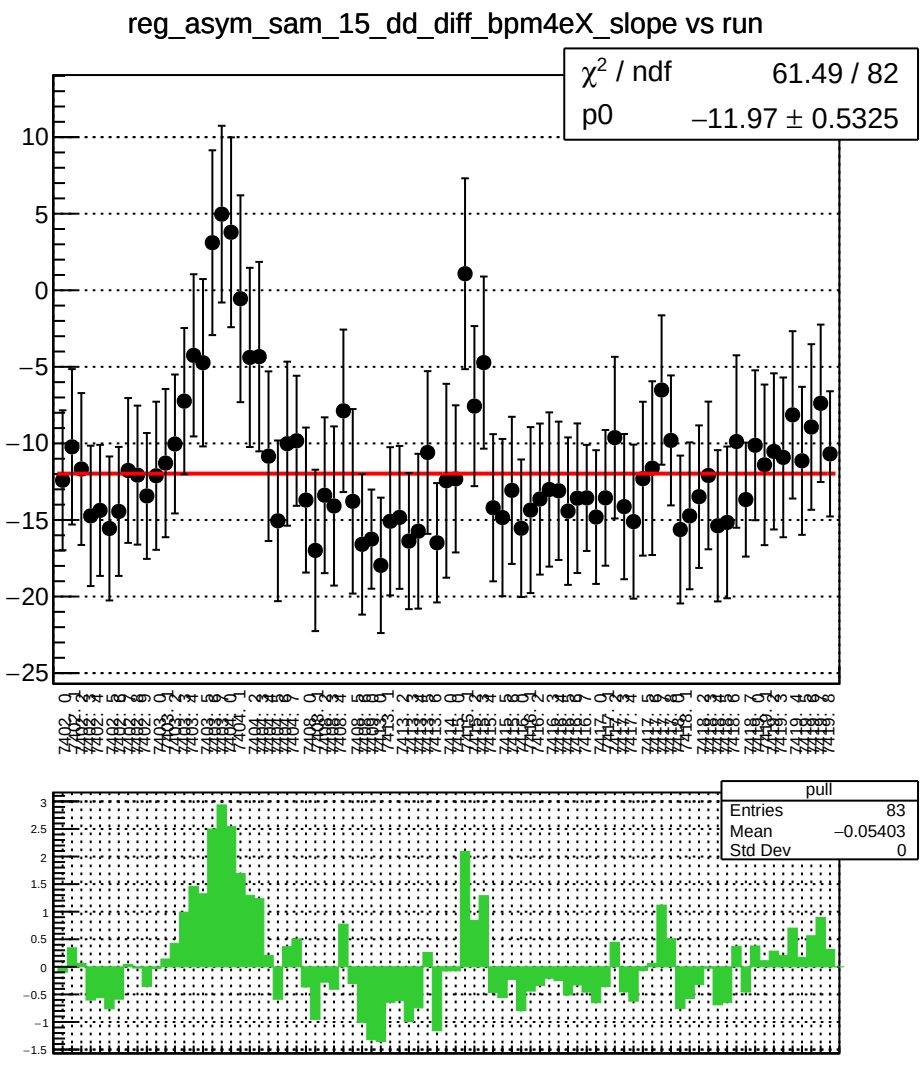

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 188.4 / 82
p0 50.28 ± 0.3181
pull
Entries 83
Mean 575.7
Std Dev 0
pull1D
Entries 83
Mean 0.03965
Std Dev 1.506

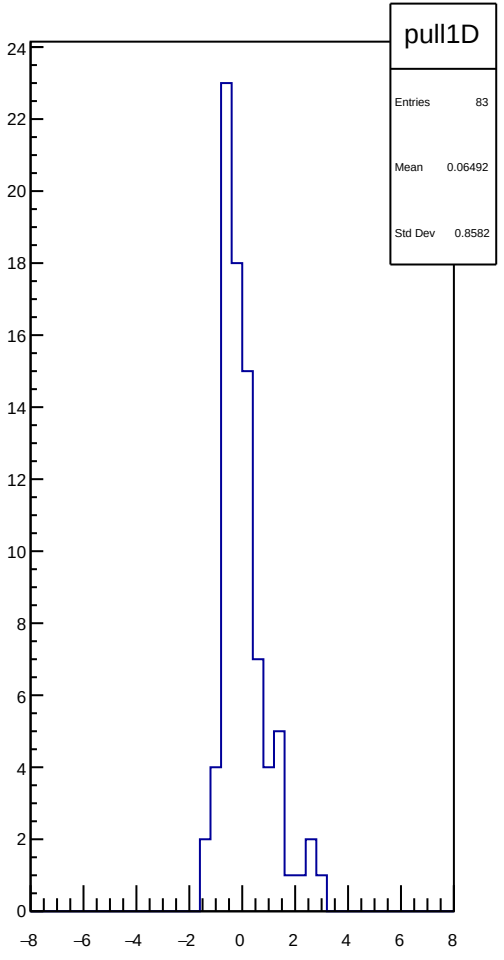

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 35.02 / 82
p0 0.174 ± 0.01381
pull
Entries 83
Mean 846.6
Std Dev 0
pull1D
Entries 83
Mean 0.01711
Std Dev 0.6494

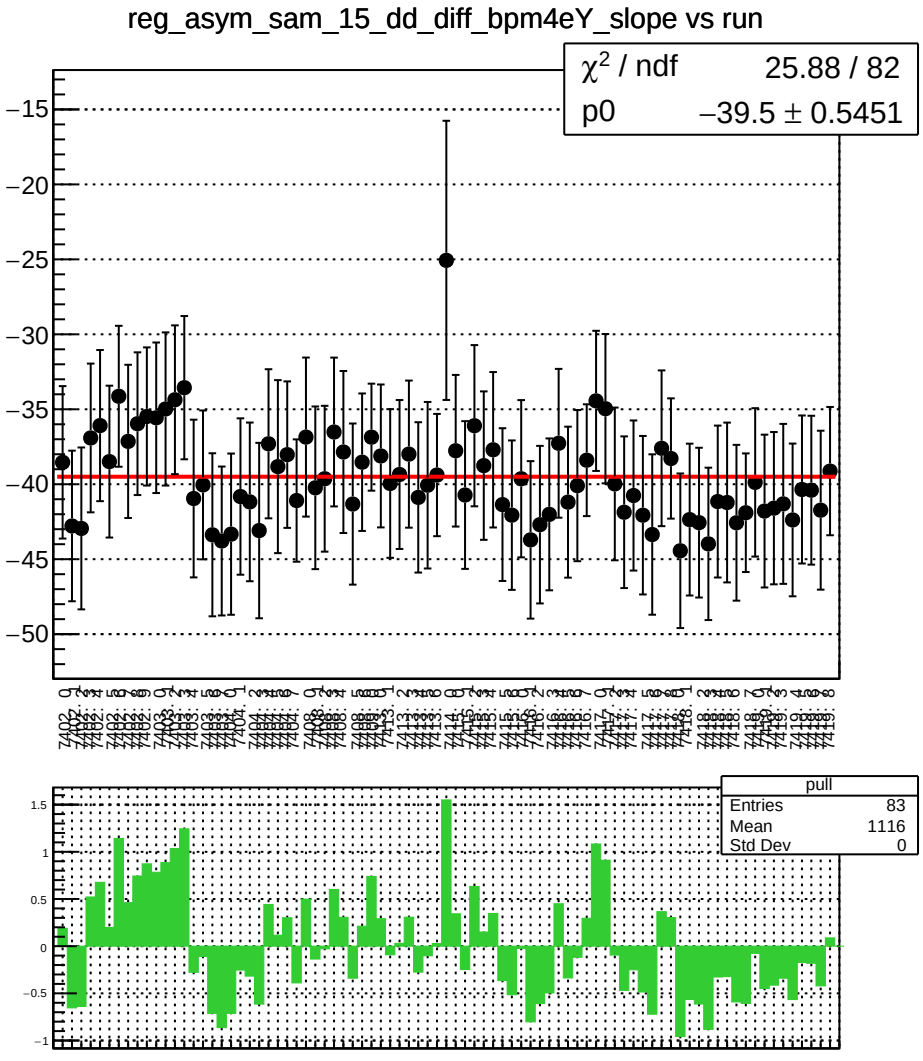

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 62.8 / 82
p0 4.771 ± 0.5158
pull
Entries 83
Mean −6.637
Std Dev 0

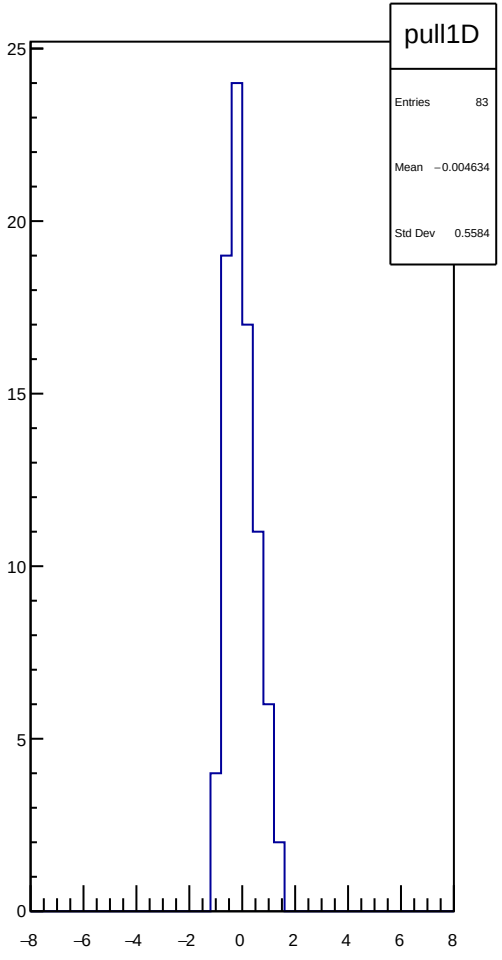

pull1D
Entries 83
Mean −0.06294
Std Dev 0.8676

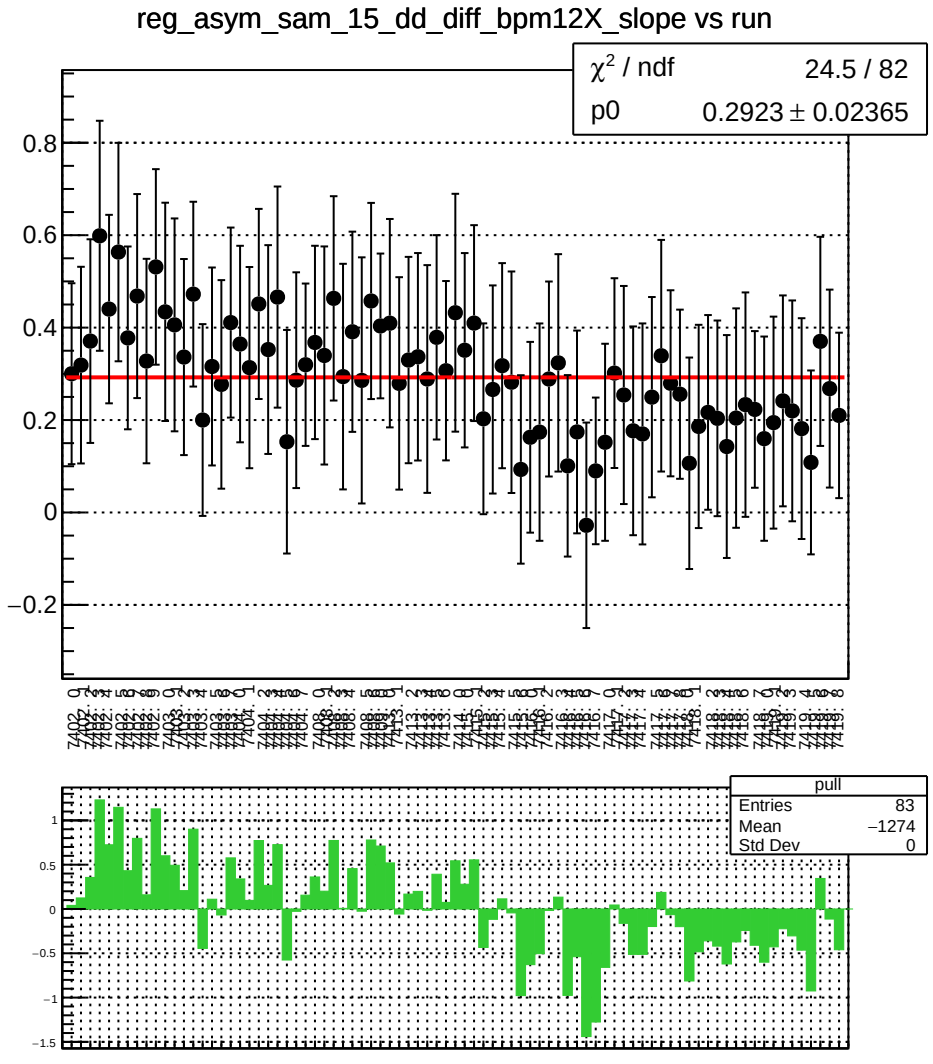

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.06 / 82
p0 −60.71 ± 0.5184
pull
Entries 83
Mean −824.8
Std Dev 0
pull1D
Entries 83
Mean 0.003036
Std Dev 0.6311

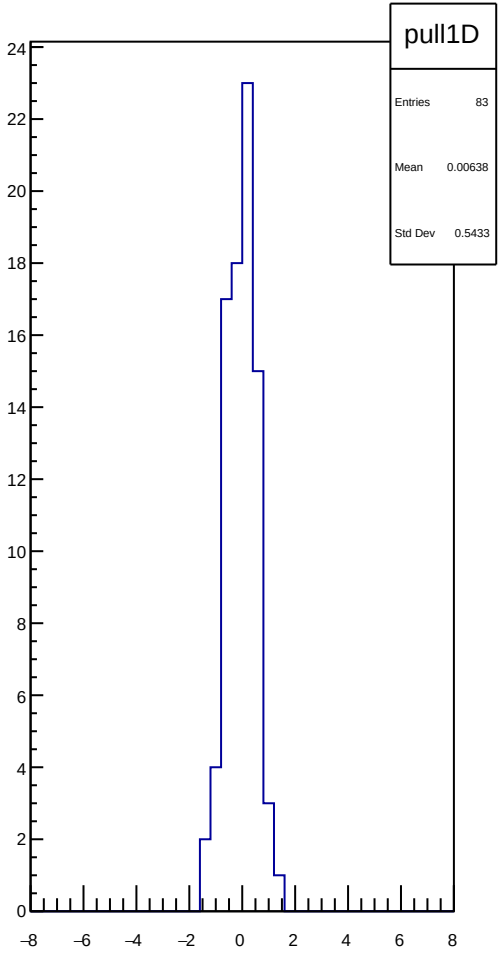

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.49 / 82
p0 −11.97 ± 0.5325
pull
Entries 83
Mean −0.05403
Std Dev 0

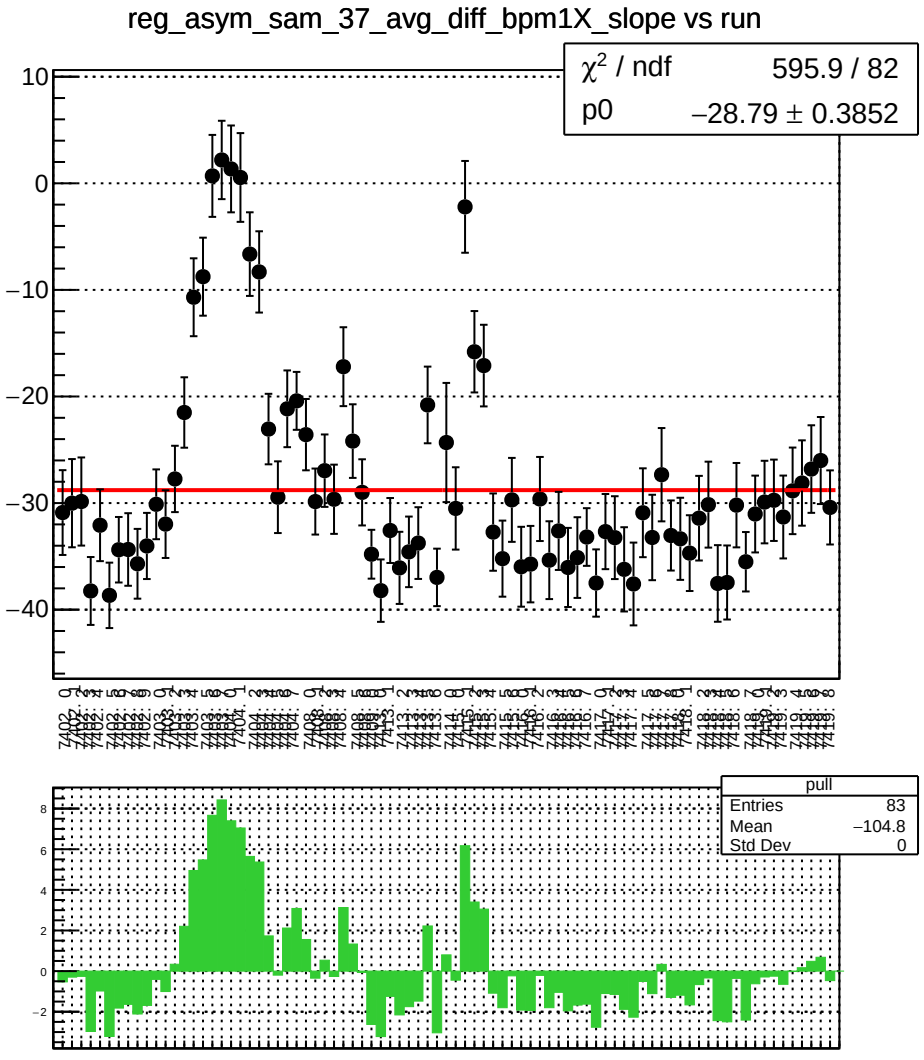

pull1D
Entries 83
Mean 0.06492
Std Dev 0.8582

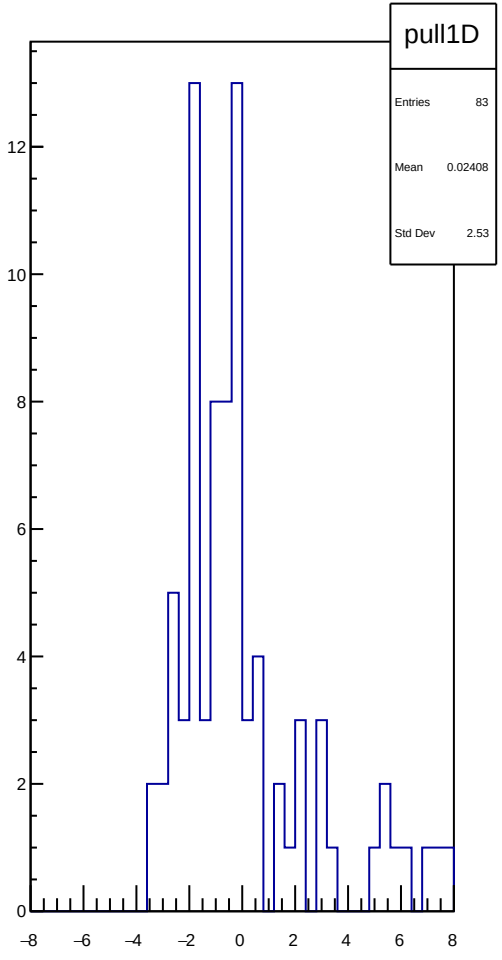

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.88 / 82
p0 −39.5 ± 0.5451
pull
Entries 83
Mean 1116
Std Dev 0

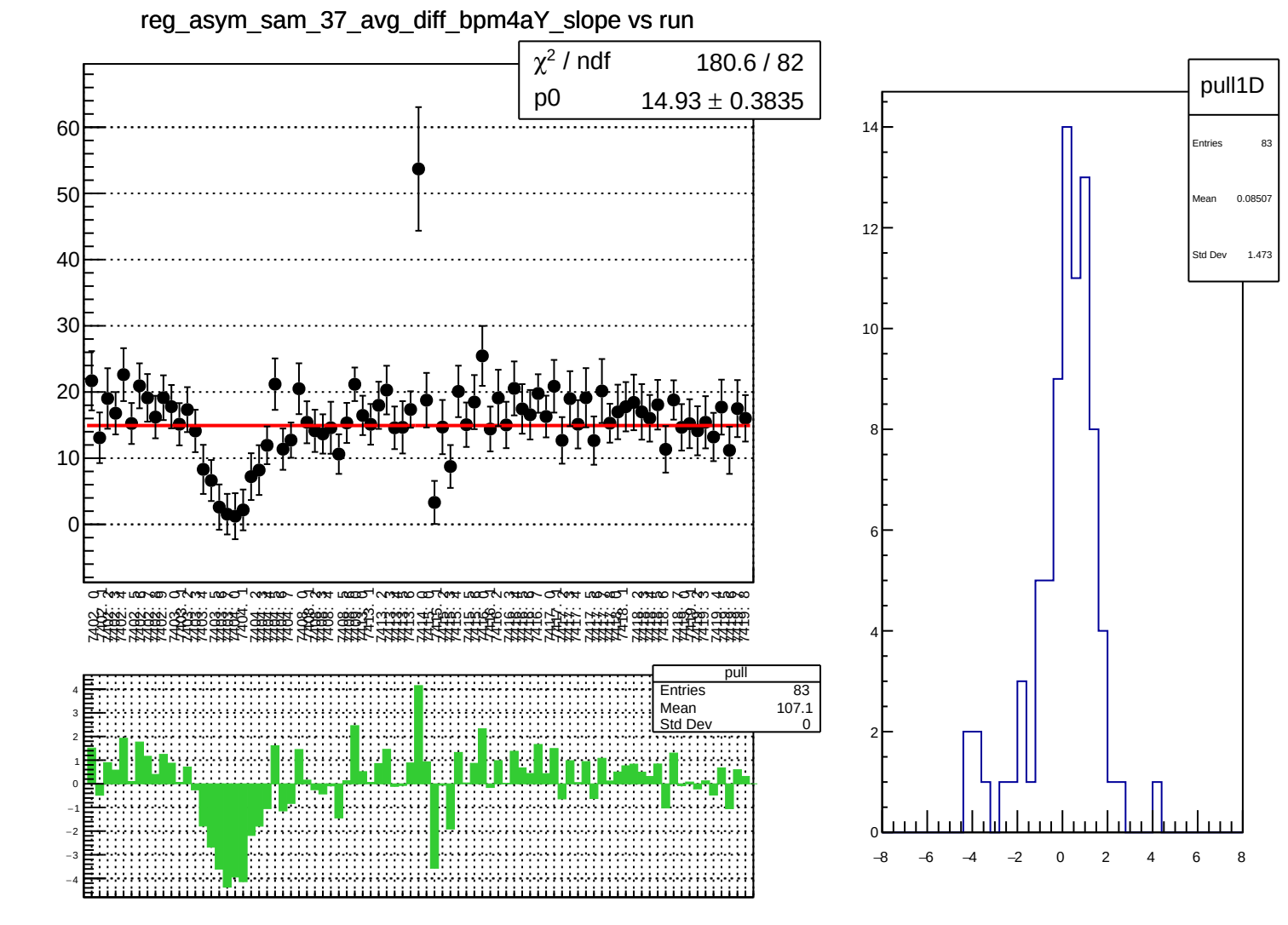

pull1D
Entries 83
Mean −0.004634
Std Dev 0.5584

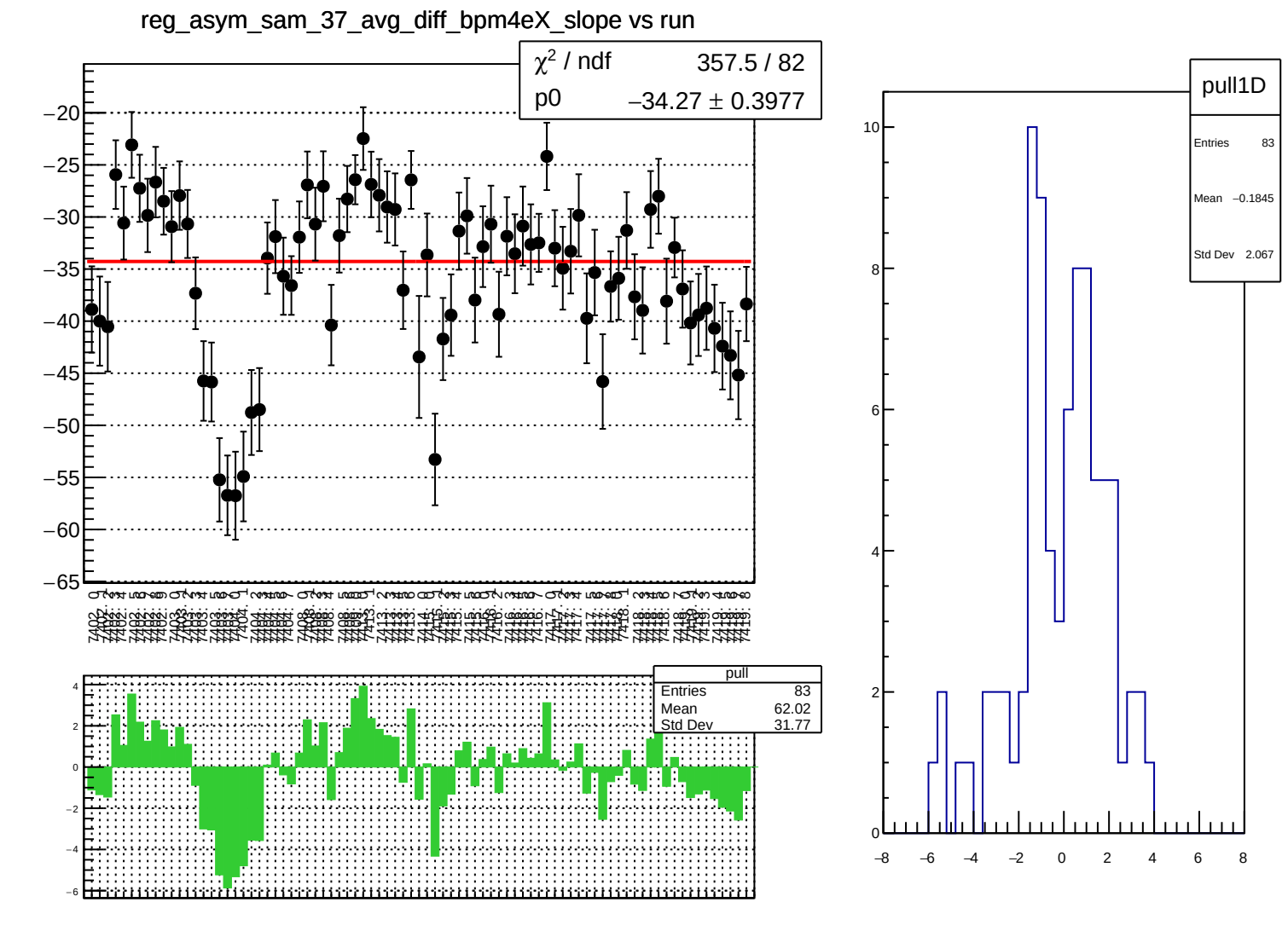

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 24.5 / 82
p0 0.2923 ± 0.02365
pull
Entries 83
Mean −1274
Std Dev 0

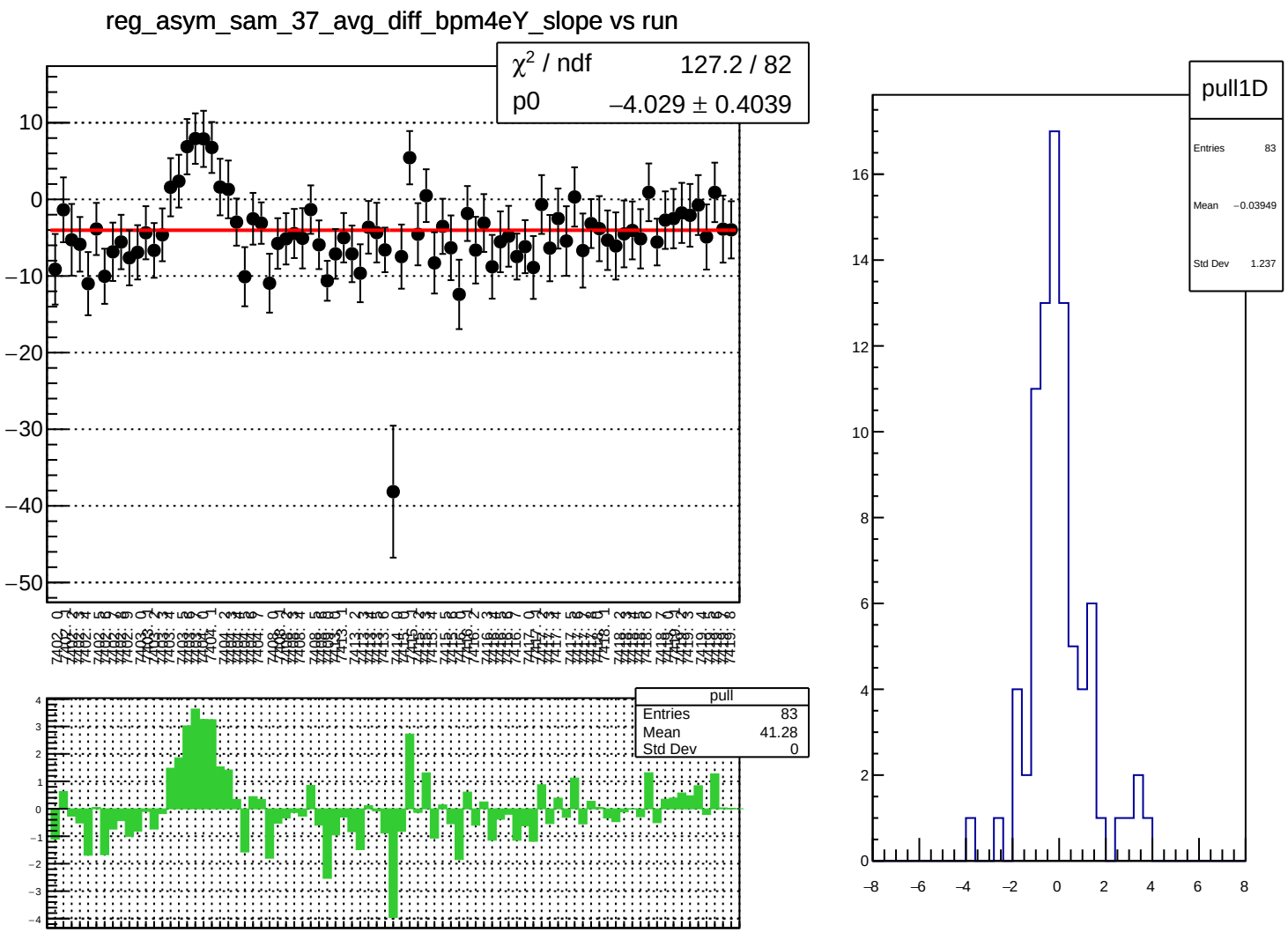

pull1D
Entries 83
Mean 0.00638
Std Dev 0.5433

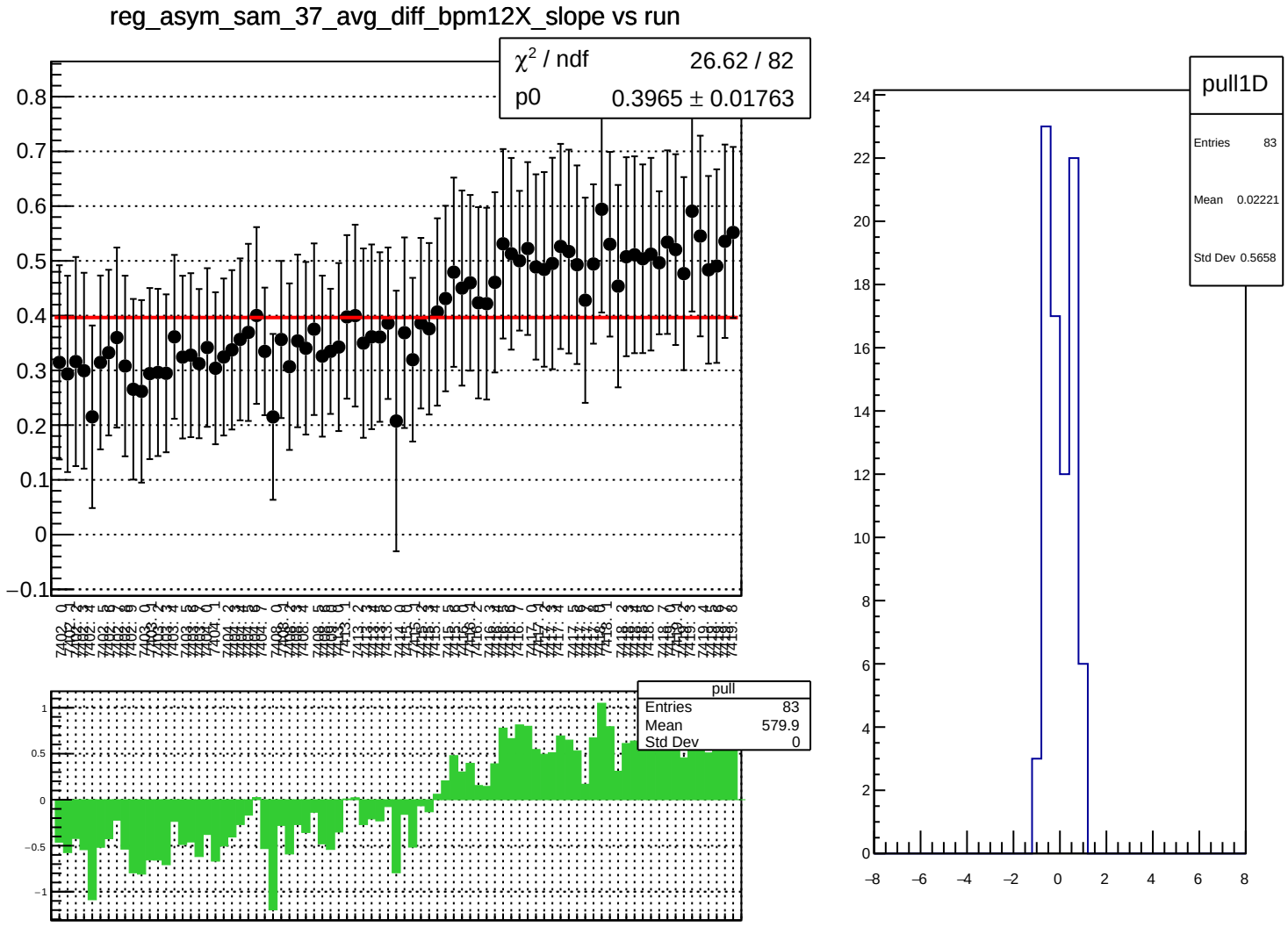

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 595.9 / 82
p0 −28.79 ± 0.3852
pull
Entries 83
Mean −104.8
Std Dev 0

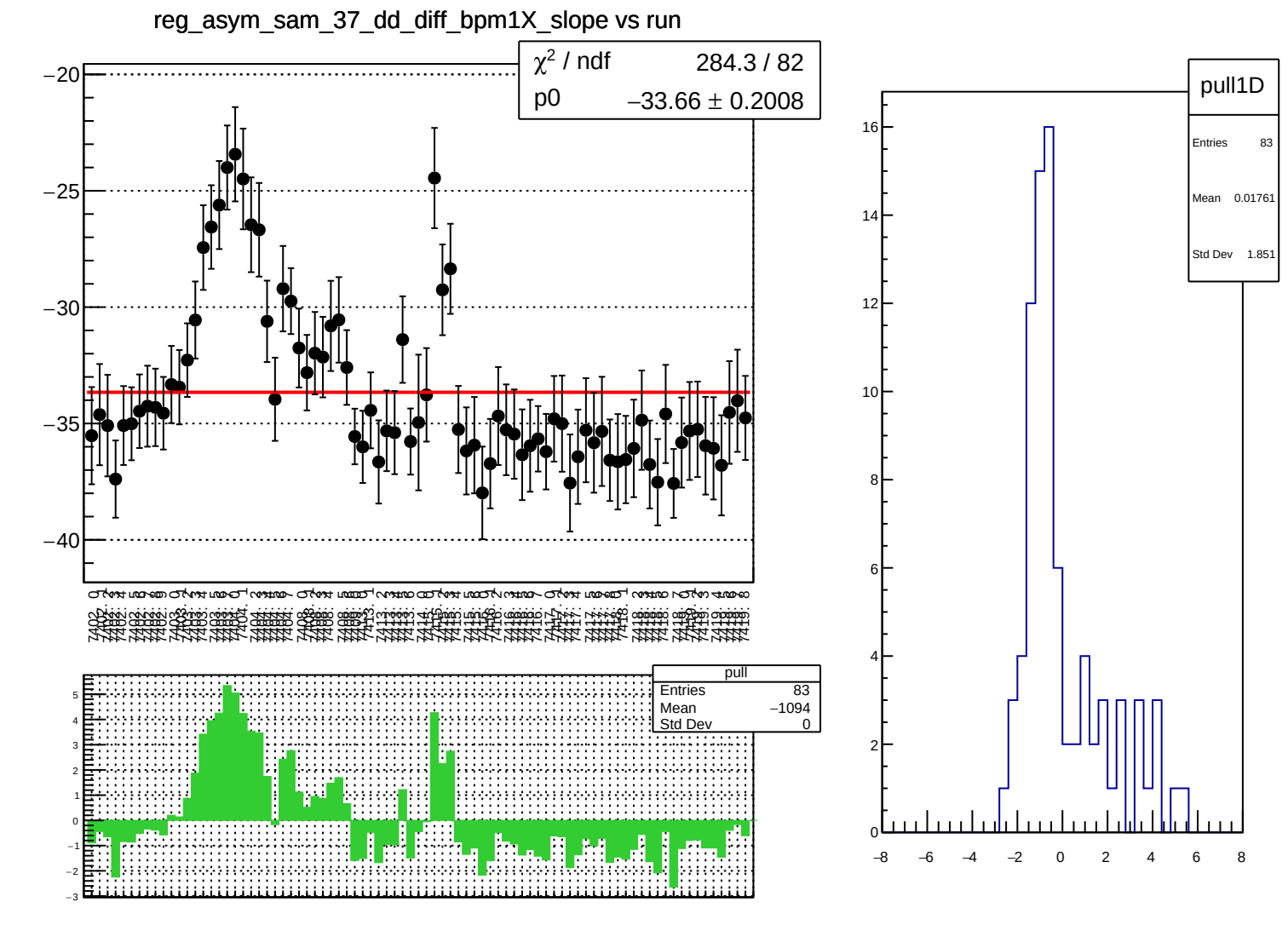

pull1D
Entries 83
Mean 0.02408
Std Dev 2.53

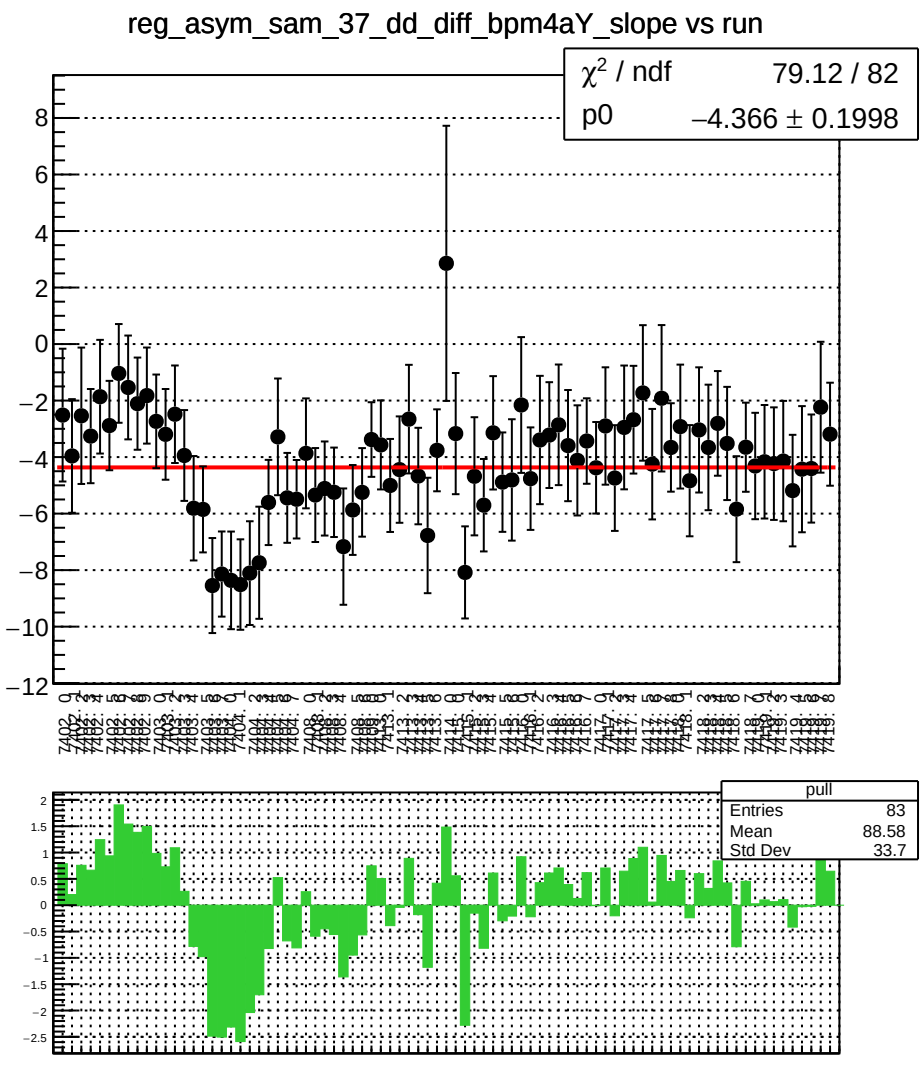

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 180.6 / 82
p0 14.93 ± 0.3835
pull
Entries 83
Mean 107.1
Std Dev 0
pull1D
Entries 83
Mean 0.08507
Std Dev 1.473

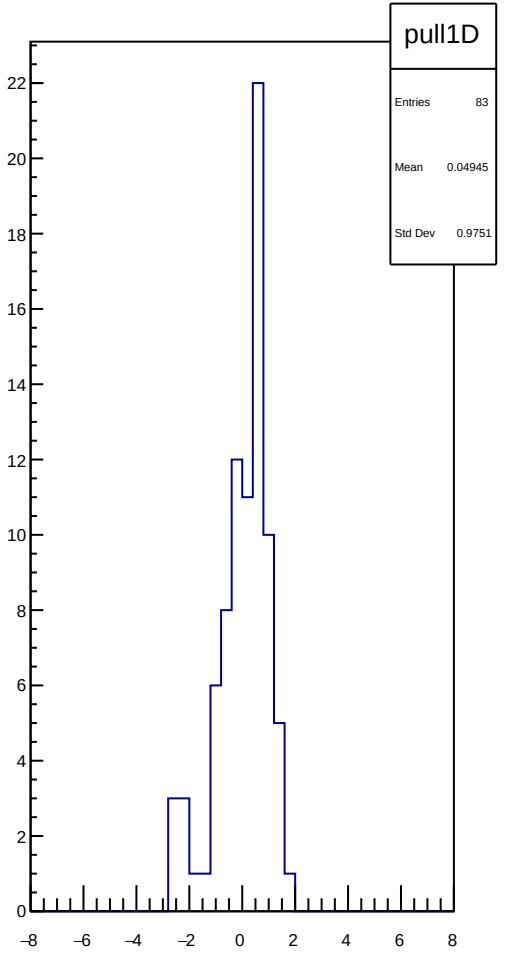

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 357.5 / 82
p0 −34.27 ± 0.3977
pull
Entries 83
Mean 62.02
Std Dev 31.77
pull1D
Entries 83
Mean −0.1845
Std Dev 2.067

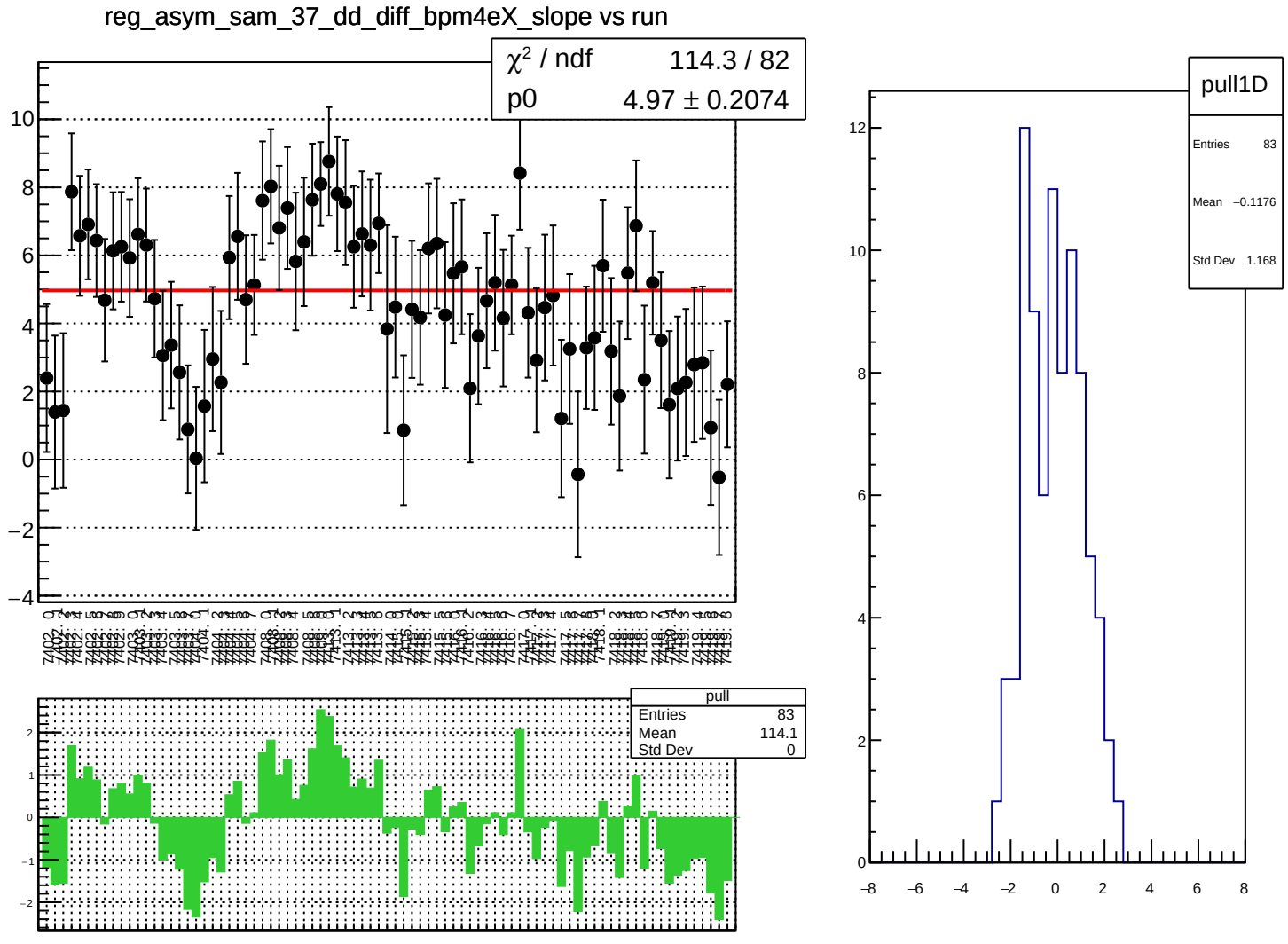

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 127.2 / 82
p0 −4.029 ± 0.4039
pull
Entries 83
Mean 41.28
Std Dev 0
pull1D
Entries 83
Mean −0.03949
Std Dev 1.237

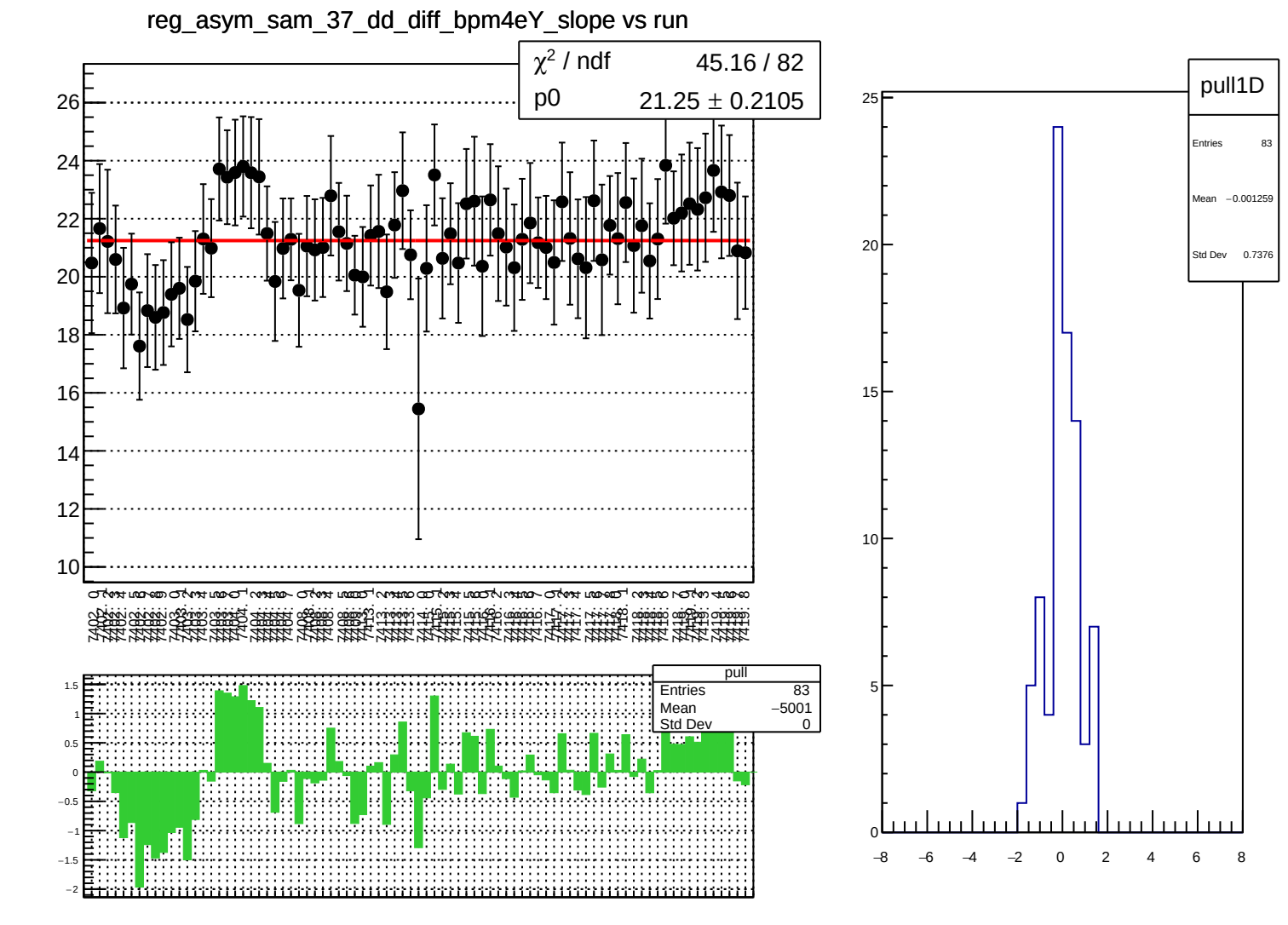

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 26.62 / 82
p0 0.3965 ± 0.01763
pull
Entries 83
Mean 579.9
Std Dev 0
pull1D
Entries 83
Mean 0.02221
Std Dev 0.5658

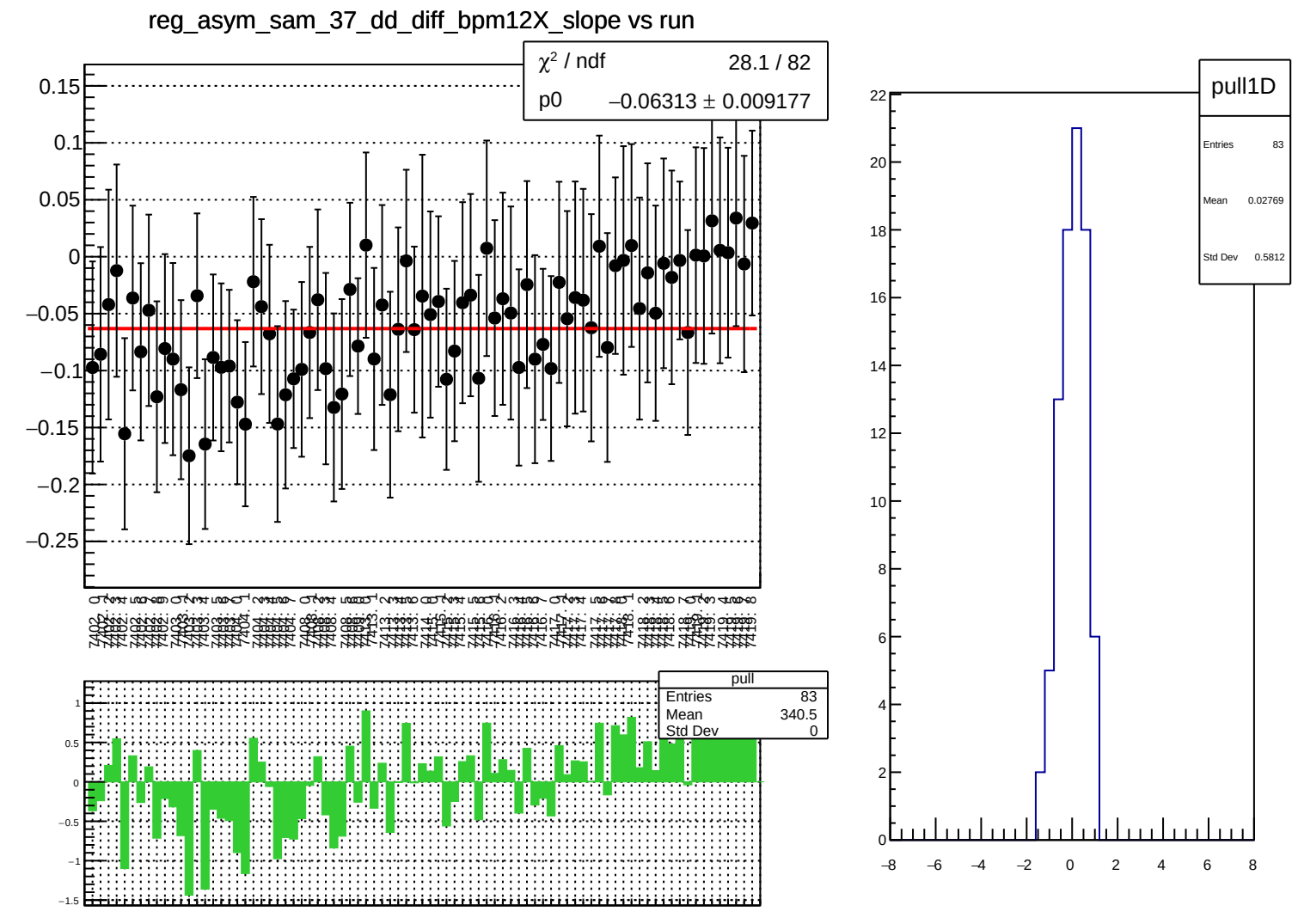

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 284.3 / 82
p0 −33.66 ± 0.2008
pull
Entries 83
Mean −1094
Std Dev 0
pull1D
Entries 83
Mean 0.01761
Std Dev 1.851

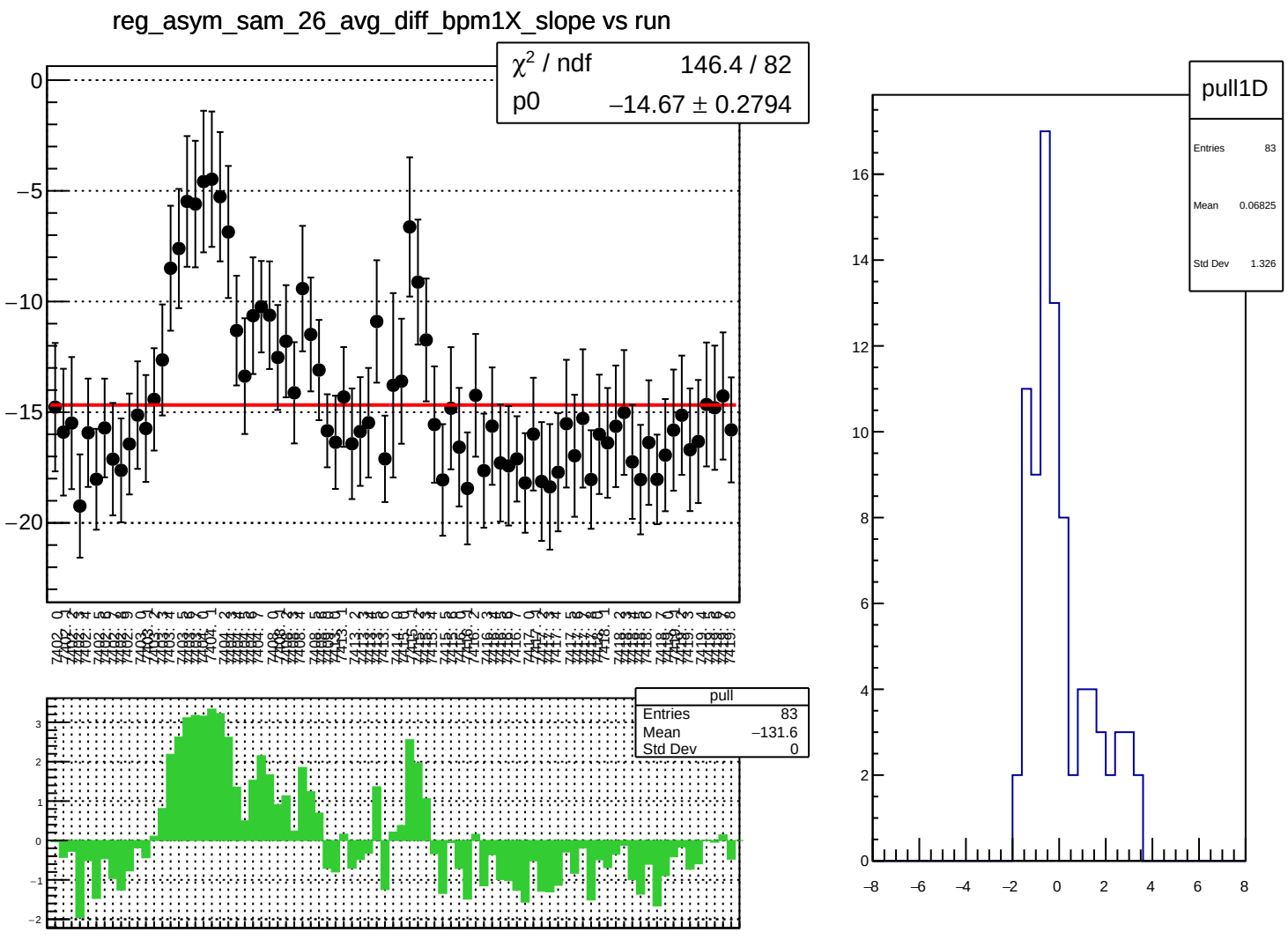

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.12 / 82
p0 −4.366 ± 0.1998
pull
Entries 83
Mean 88.58
Std Dev 33.7

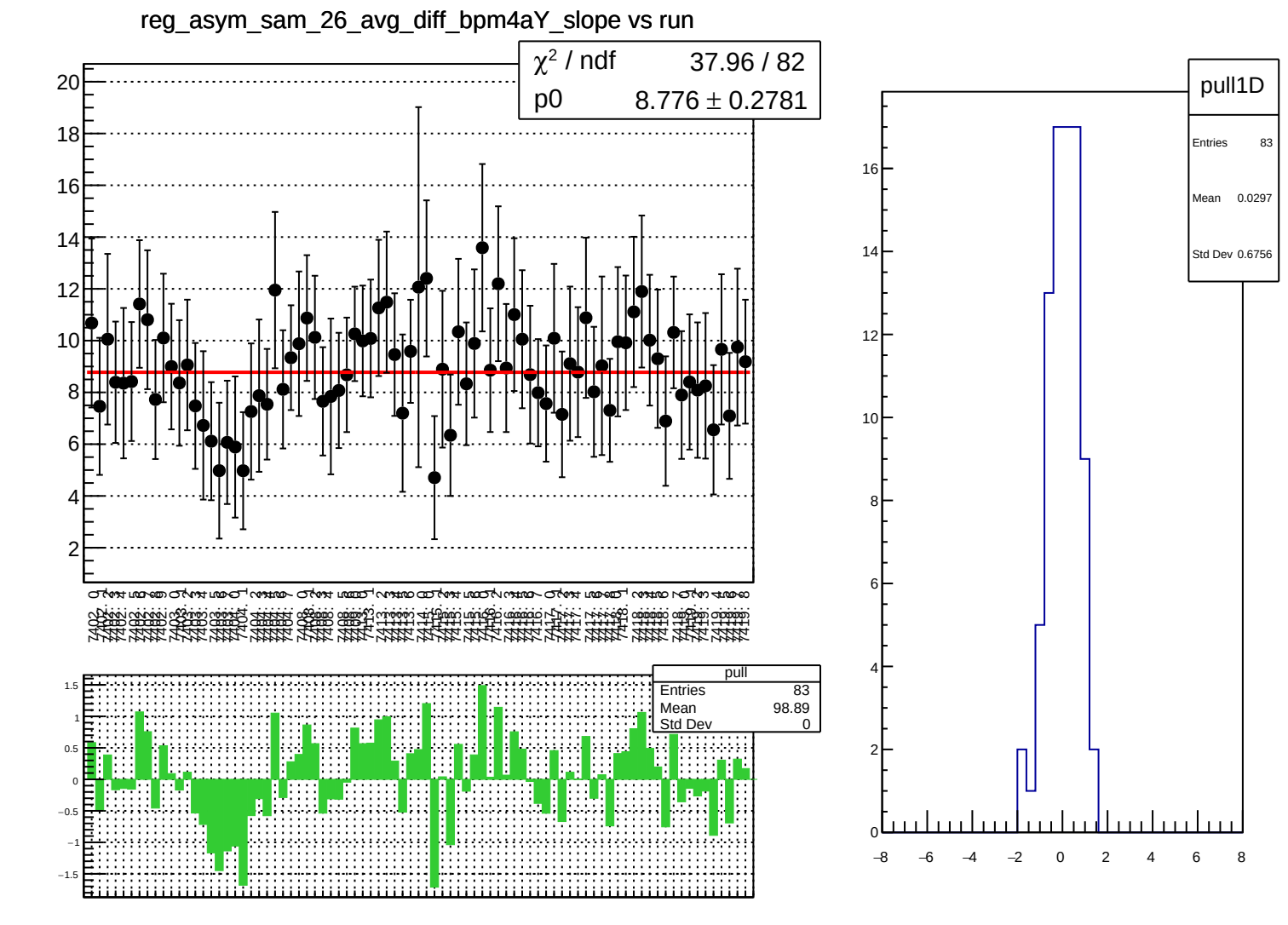

pull1D
Entries 83
Mean 0.04945
Std Dev 0.9751

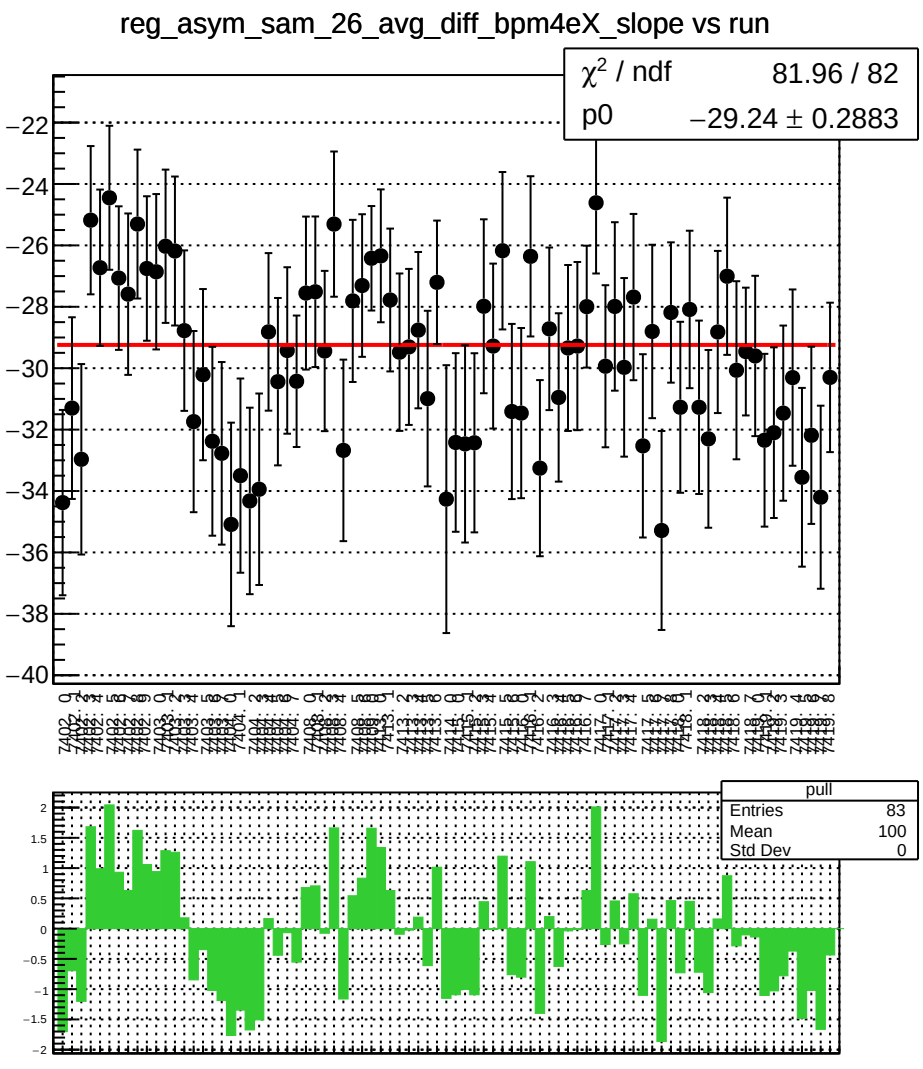

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.3 / 82
p0 4.97 ± 0.2074
pull
Entries 83
Mean 114.1
Std Dev 0
pull1D
Entries 83
Mean −0.1176
Std Dev 1.168

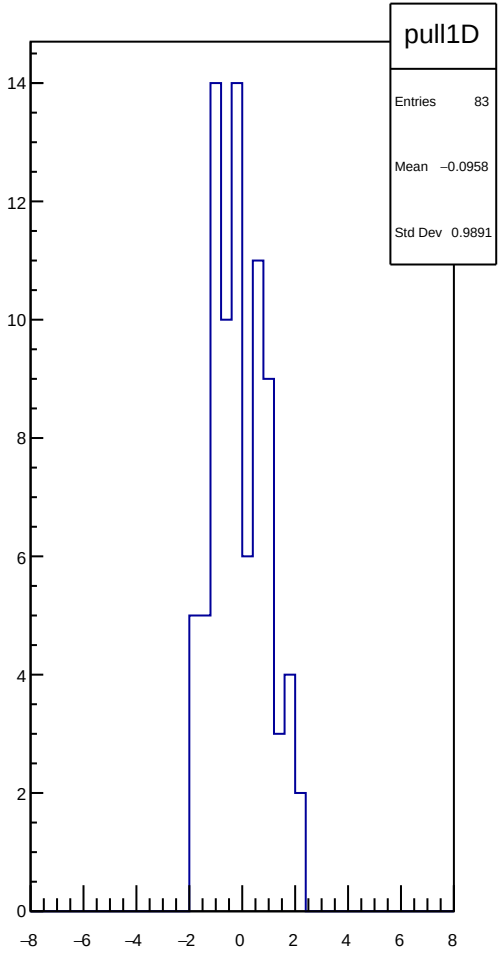

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.16 / 82
p0 21.25 ± 0.2105
pull
Entries 83
Mean −5001
Std Dev 0
pull1D
Entries 83
Mean −0.001259
Std Dev 0.7376

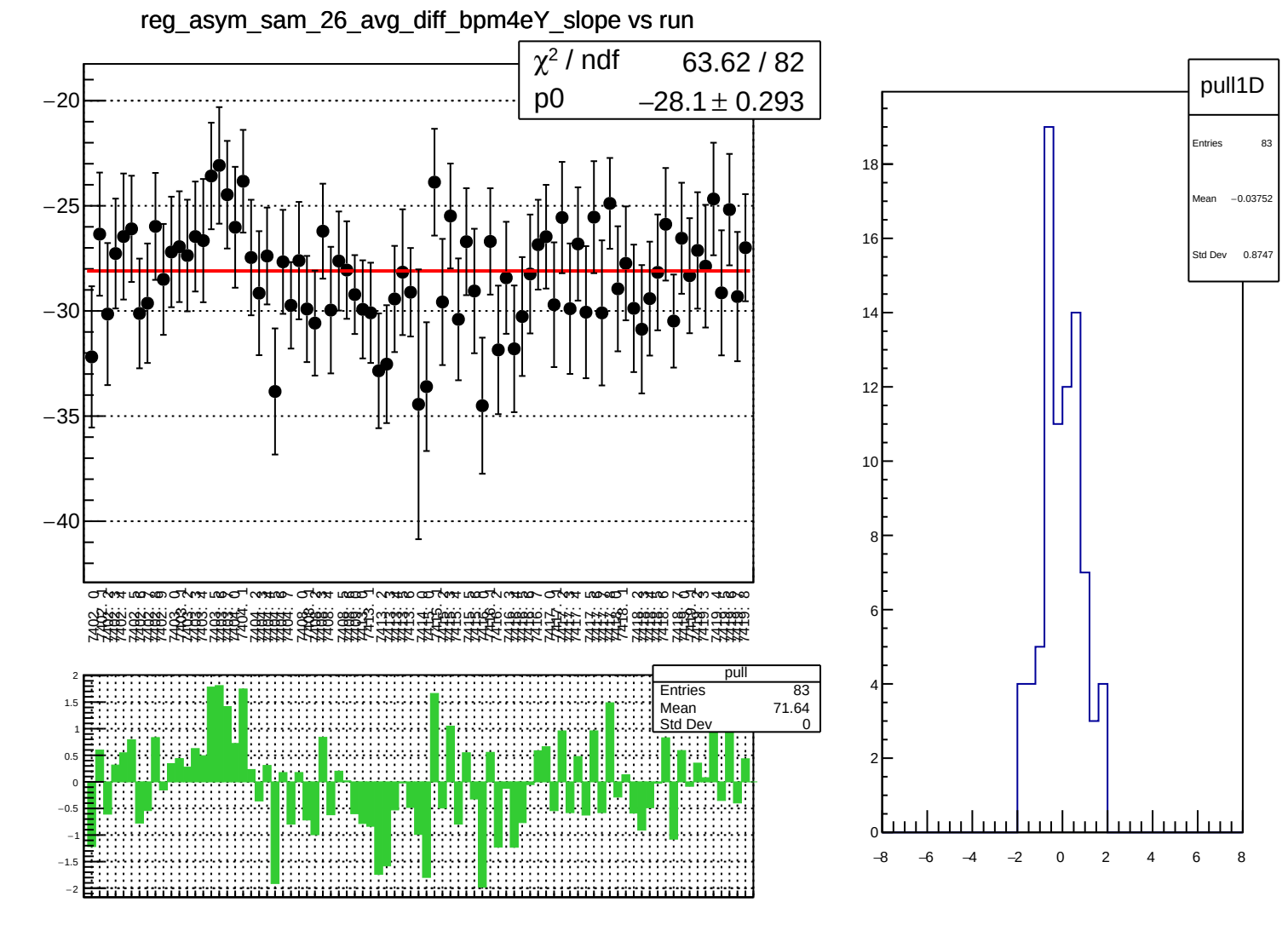

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 28.1 / 82
p0 −0.06313 ± 0.009177
pull
Entries 83
Mean 340.5
Std Dev 0
pull1D
Entries 83
Mean 0.02769
Std Dev 0.5812

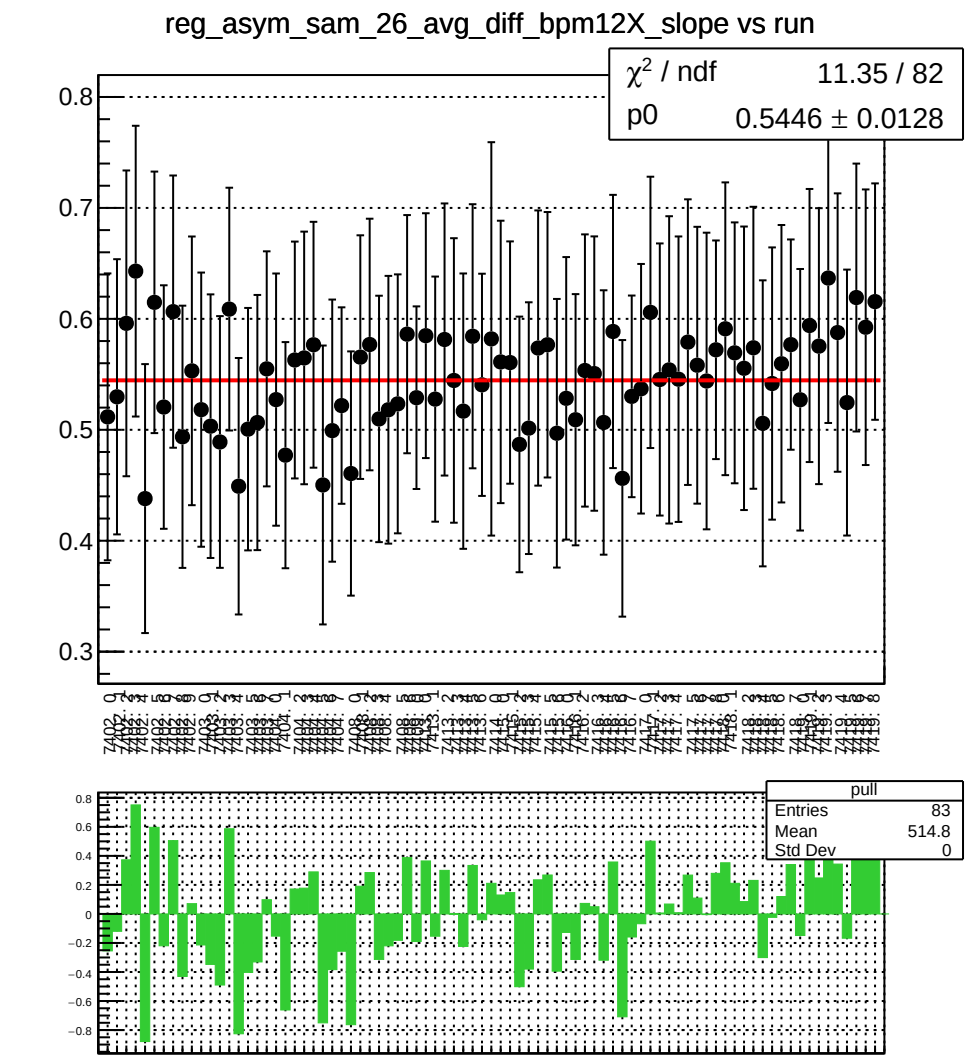

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 146.4 / 82
p0 −14.67 ± 0.2794
pull
Entries 83
Mean −131.6
Std Dev 0
pull1D
Entries 83
Mean 0.06825
Std Dev 1.326

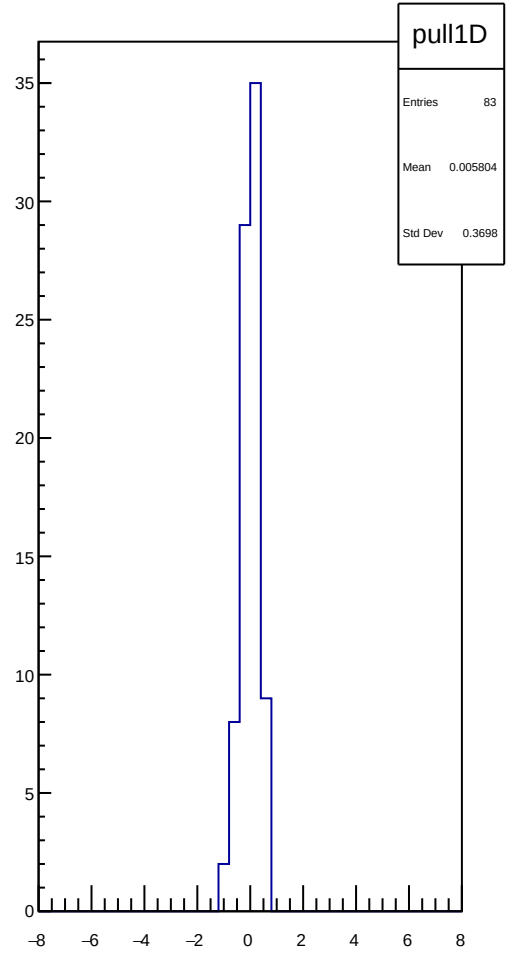

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.96 / 82
p0 8.776 ± 0.2781
pull
Entries 83
Mean 98.89
Std Dev 0
pull1D
Entries 83
Mean 0.0297
Std Dev 0.6756

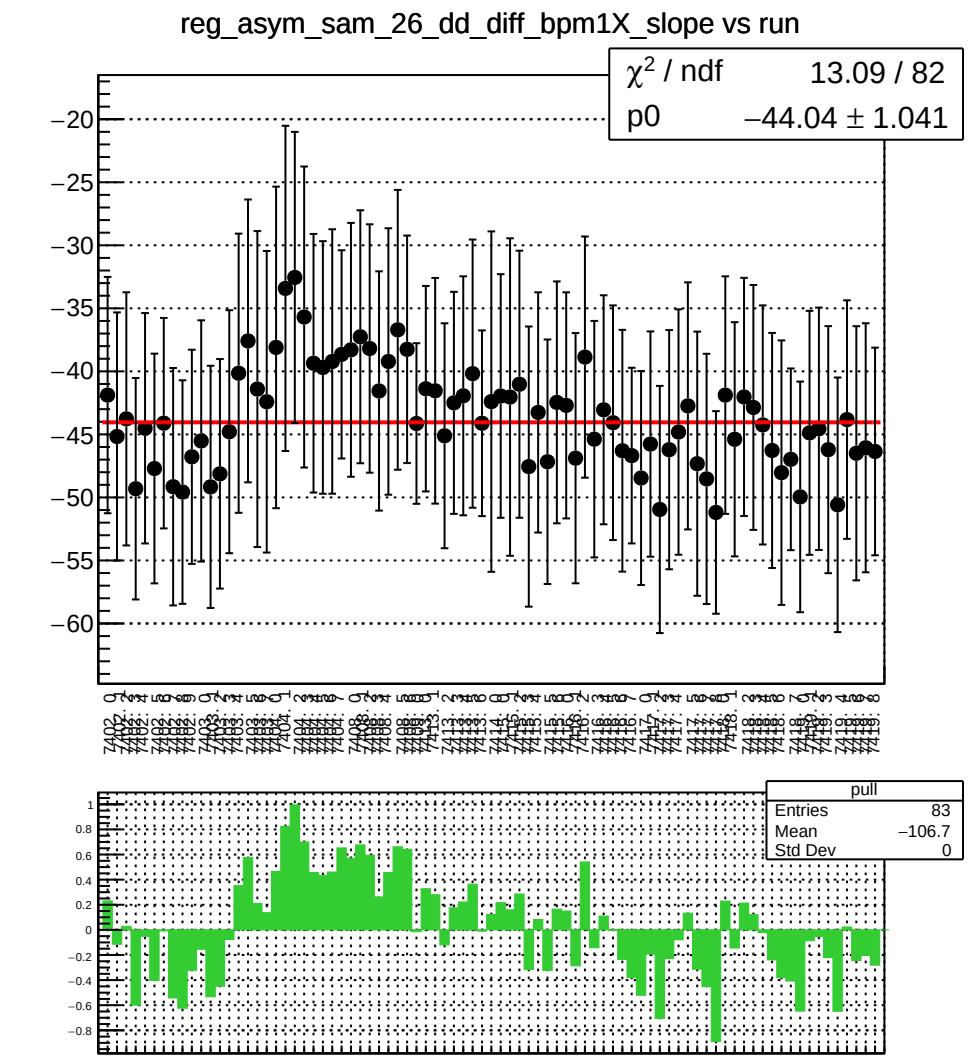

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.96 / 82
p0 −29.24 ± 0.2883
pull
Entries 83
Mean 100
Std Dev 0

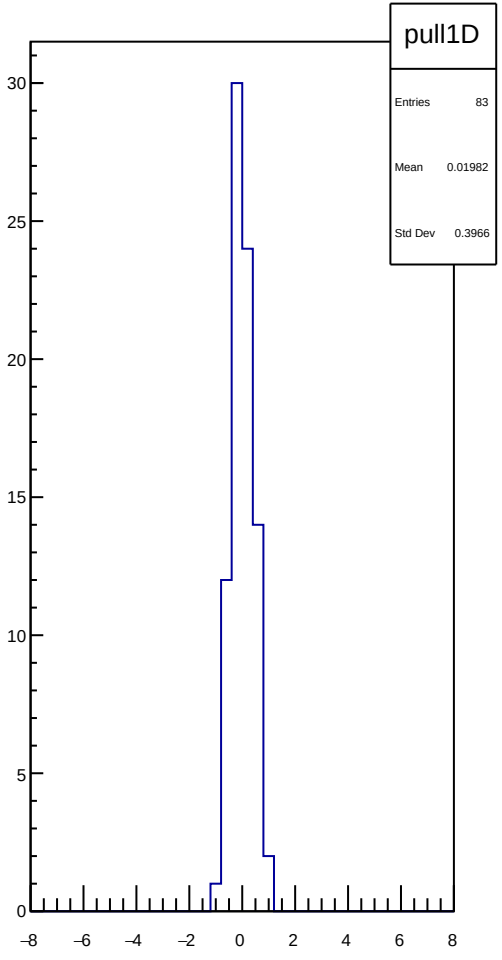

pull1D
Entries 83
Mean −0.0958
Std Dev 0.9891

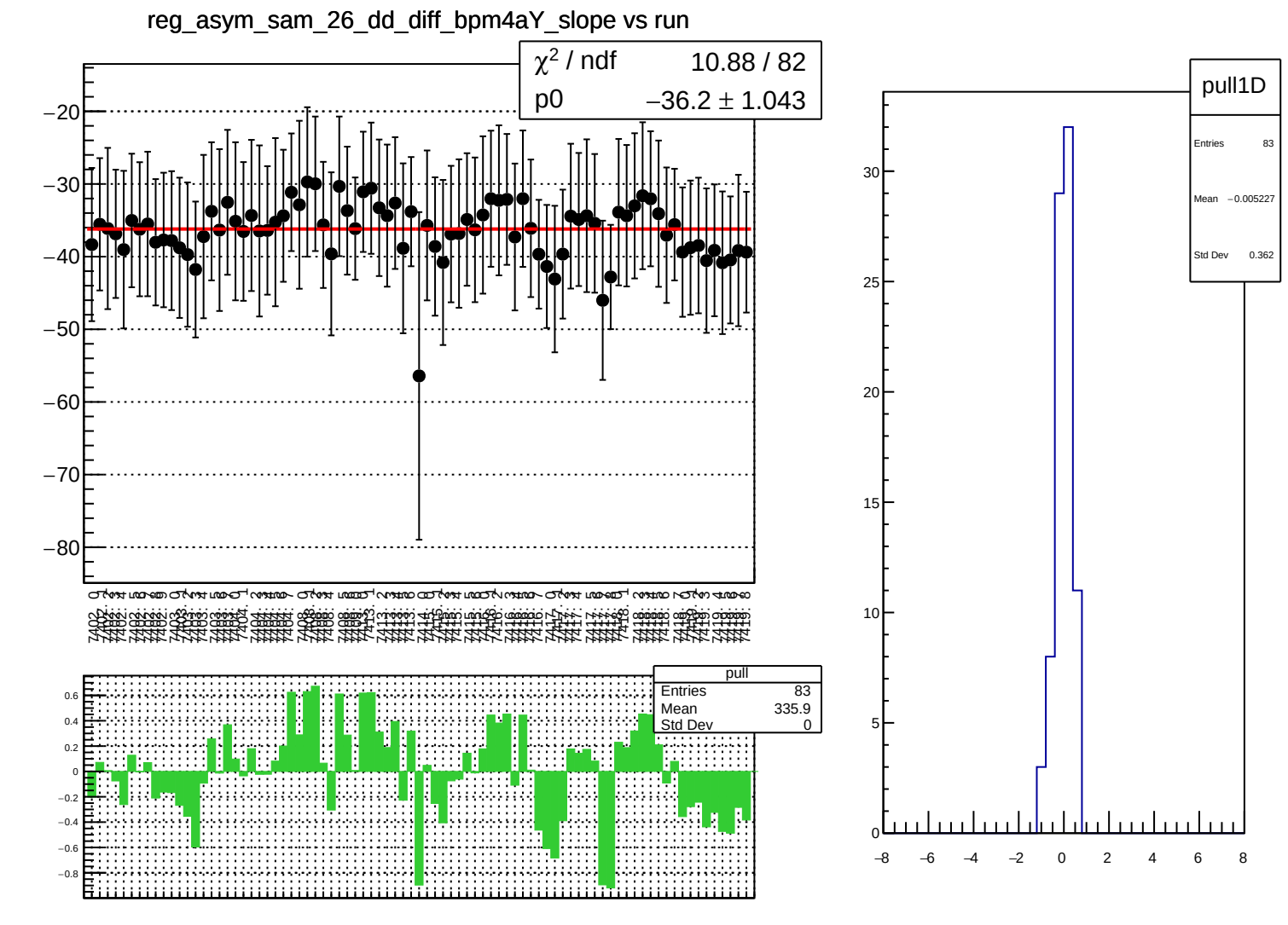

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.62 / 82
p0 −28.1 ± 0.293
pull
Entries 83
Mean 71.64
Std Dev 0
pull1D
Entries 83
Mean −0.03752
Std Dev 0.8747

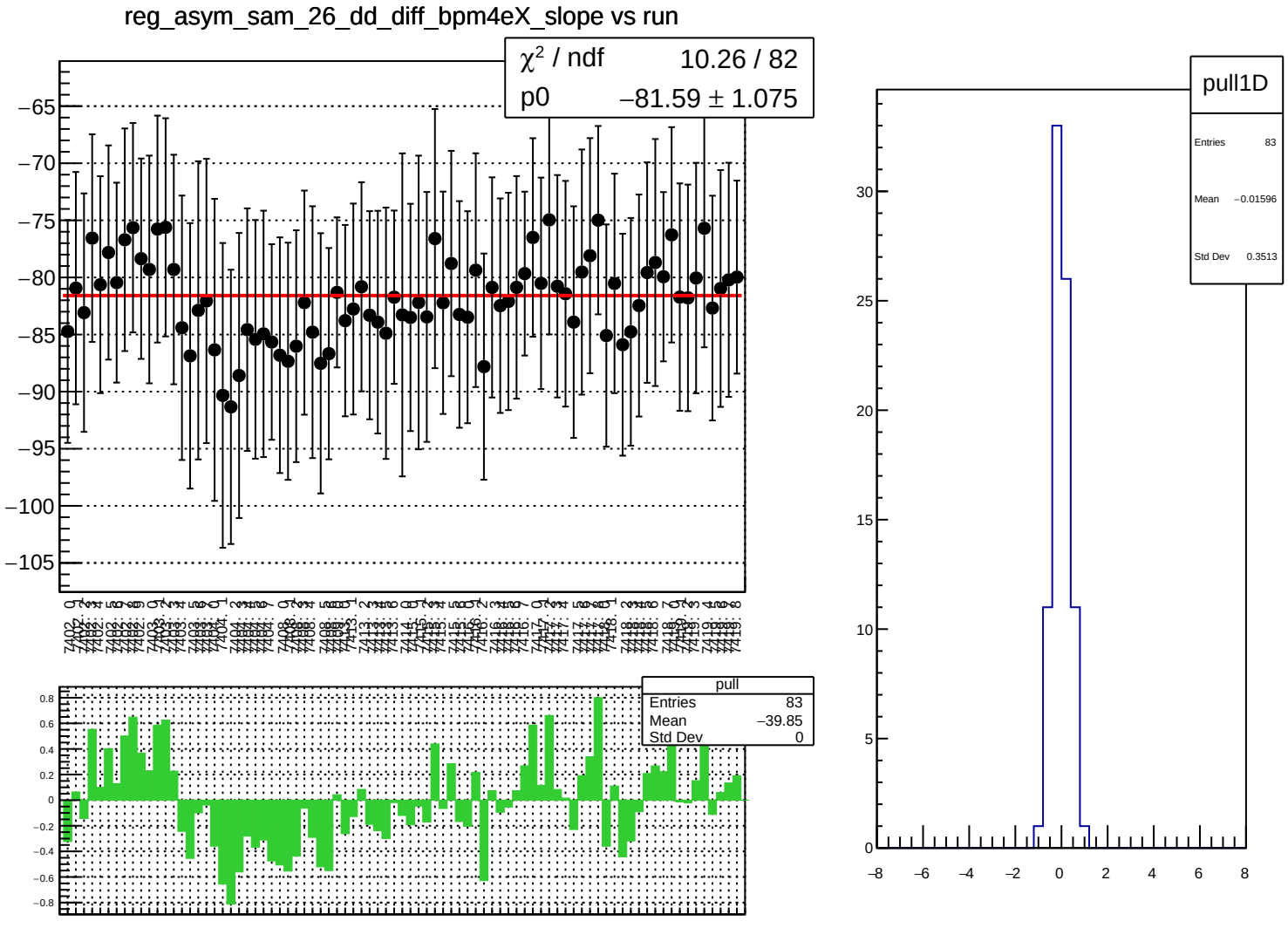

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 11.35 / 82
p0 0.5446 ± 0.0128
pull
Entries 83
Mean 514.8
Std Dev 0

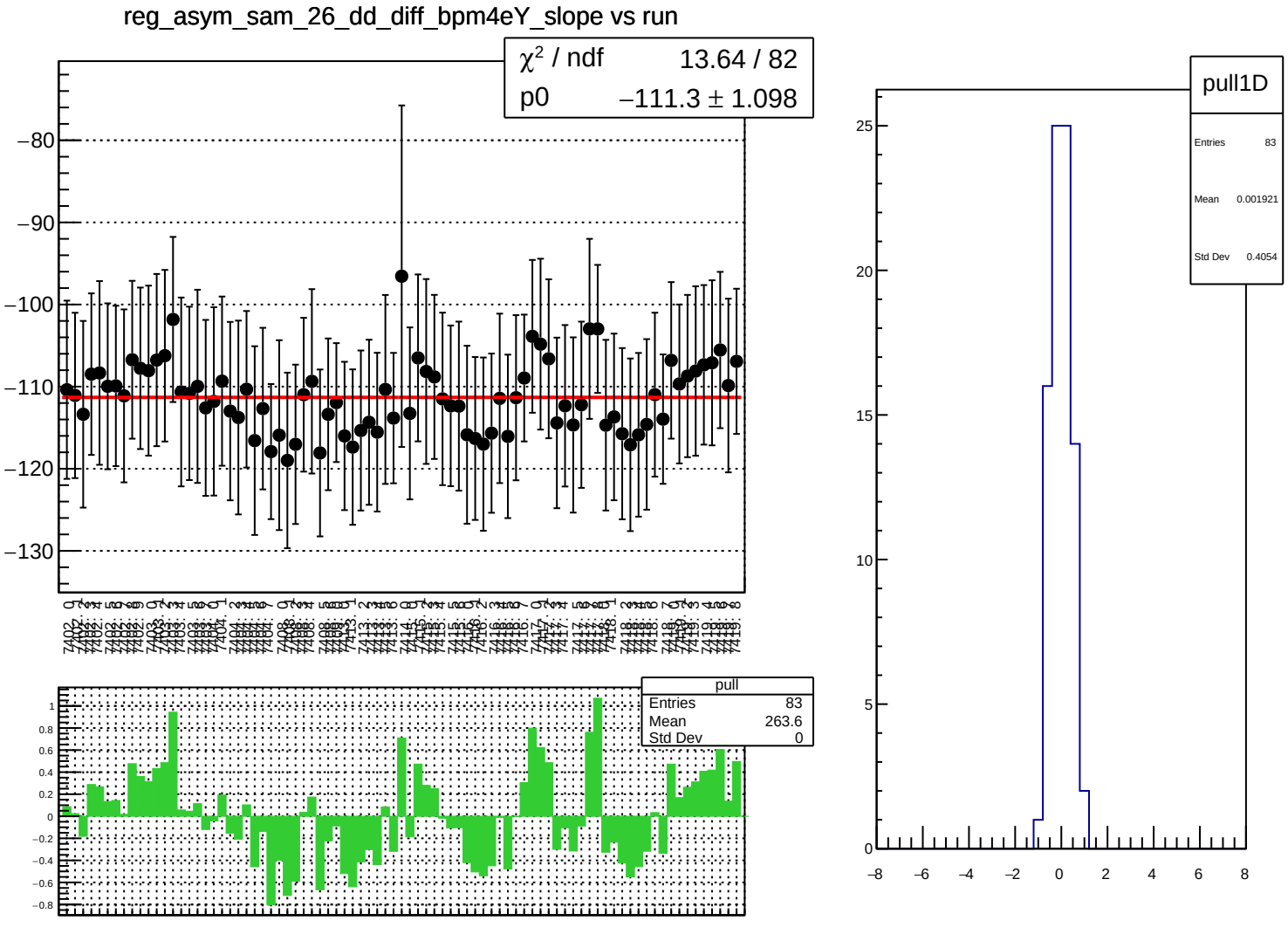

pull1D
Entries 83
Mean 0.005804
Std Dev 0.3698

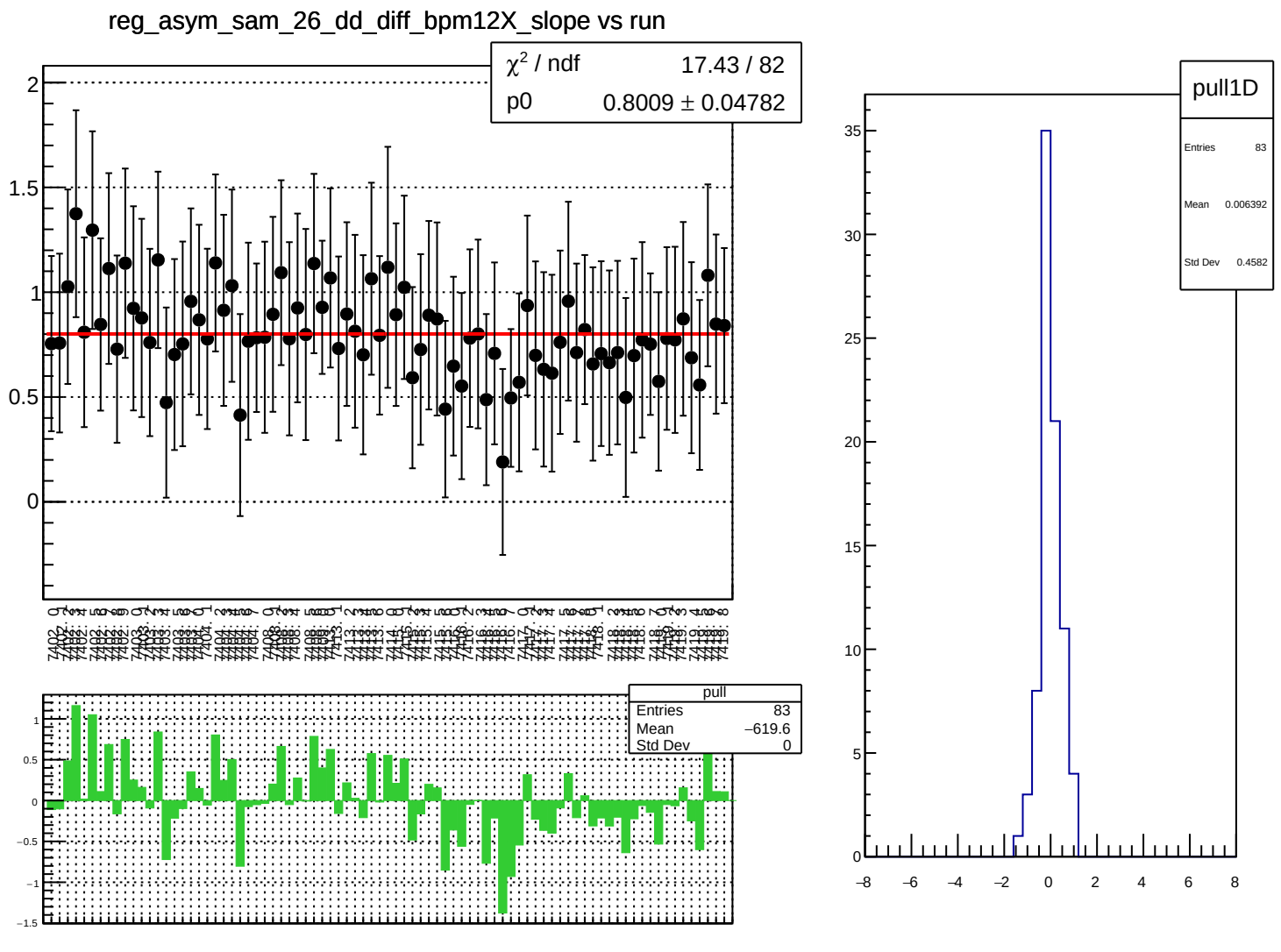

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 13.09 / 82
p0 −44.04 ± 1.041
pull
Entries 83
Mean −106.7
Std Dev 0

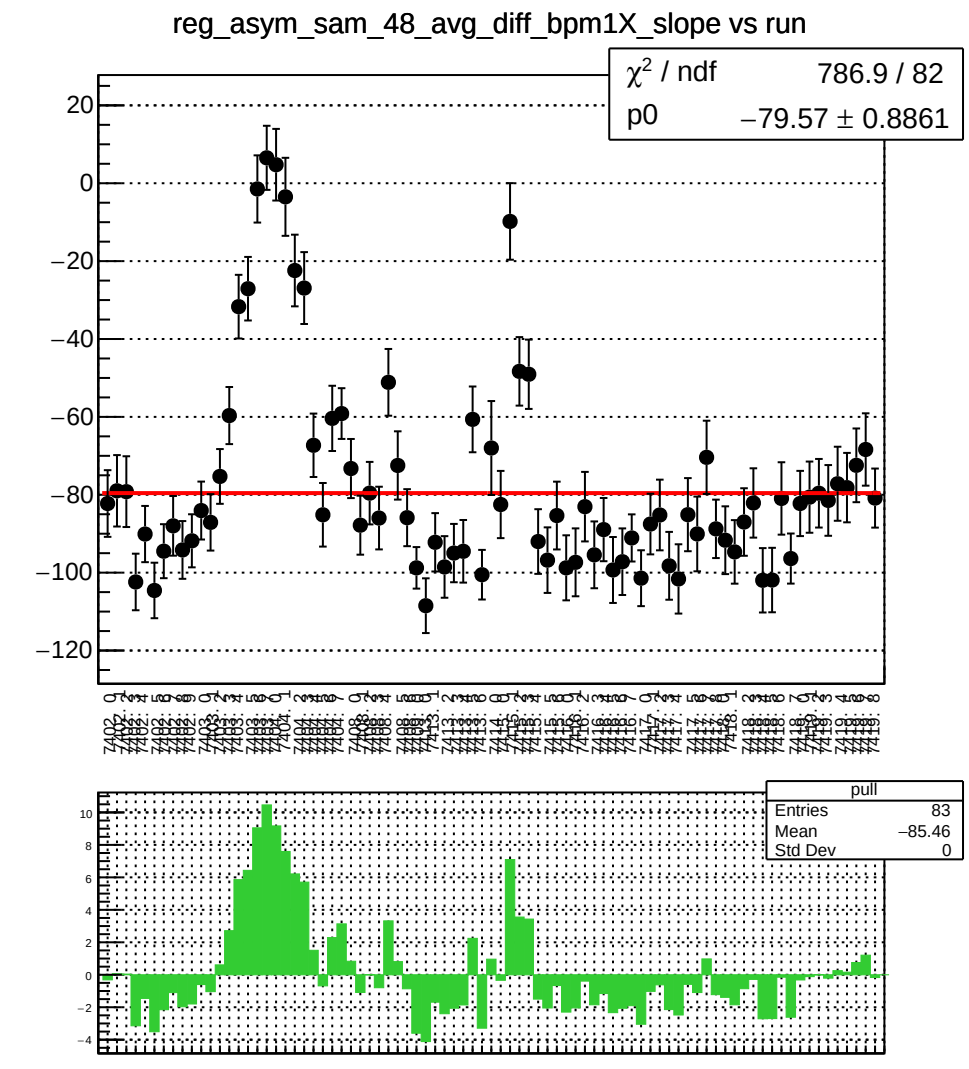

pull1D
Entries 83
Mean 0.01982
Std Dev 0.3966

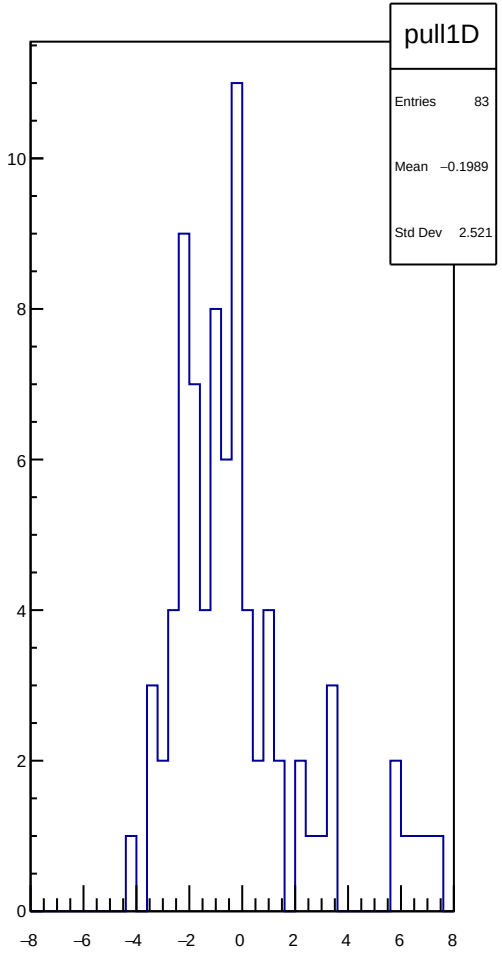

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.88 / 82
p0 −36.2 ± 1.043
pull
Entries 83
Mean 335.9
Std Dev 0
pull1D
Entries 83
Mean −0.005227
Std Dev 0.362

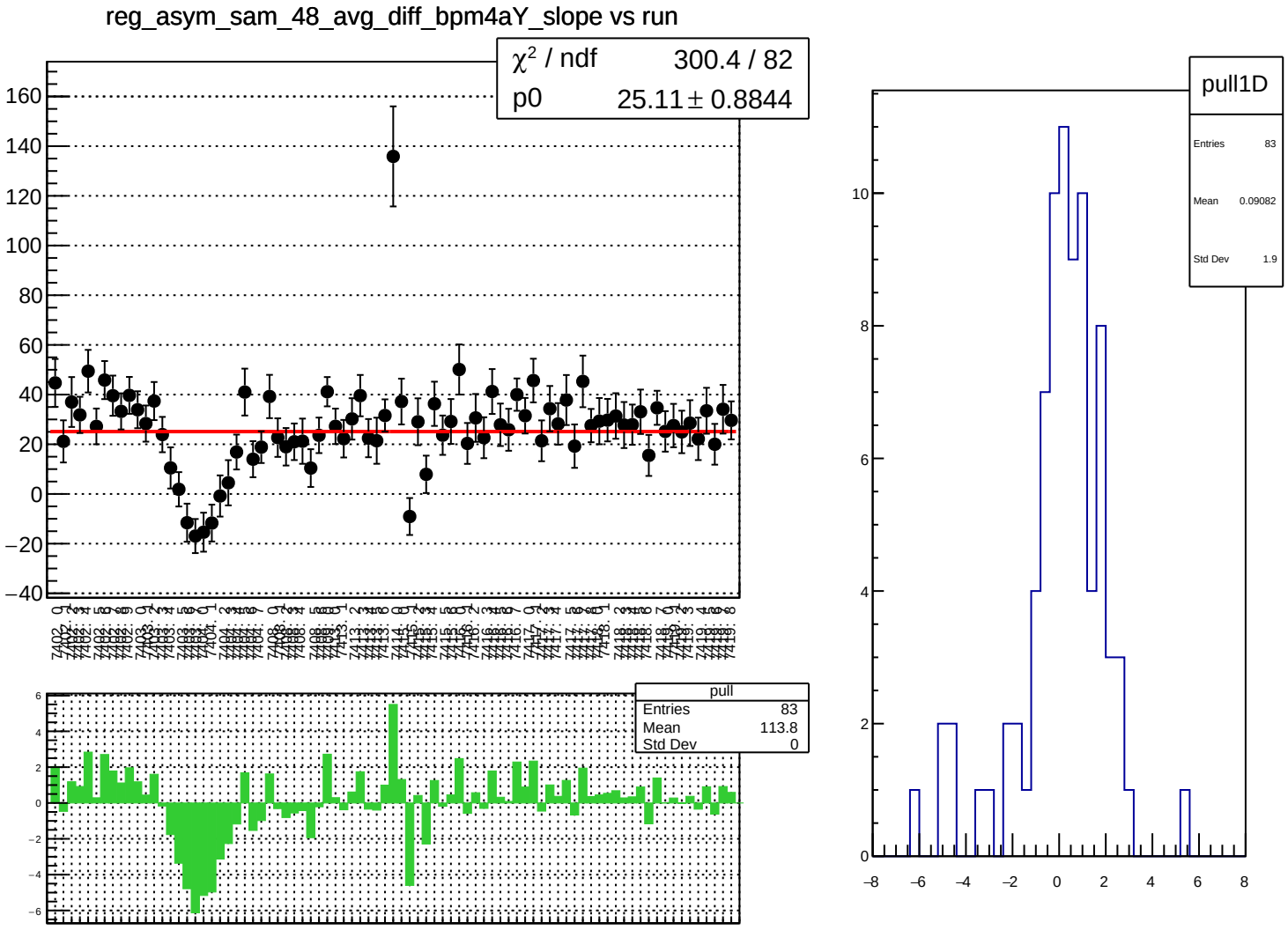

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.26 / 82
p0 −81.59 ± 1.075
pull
Entries 83
Mean −39.85
Std Dev 0
pull1D
Entries 83
Mean −0.01596
Std Dev 0.3513

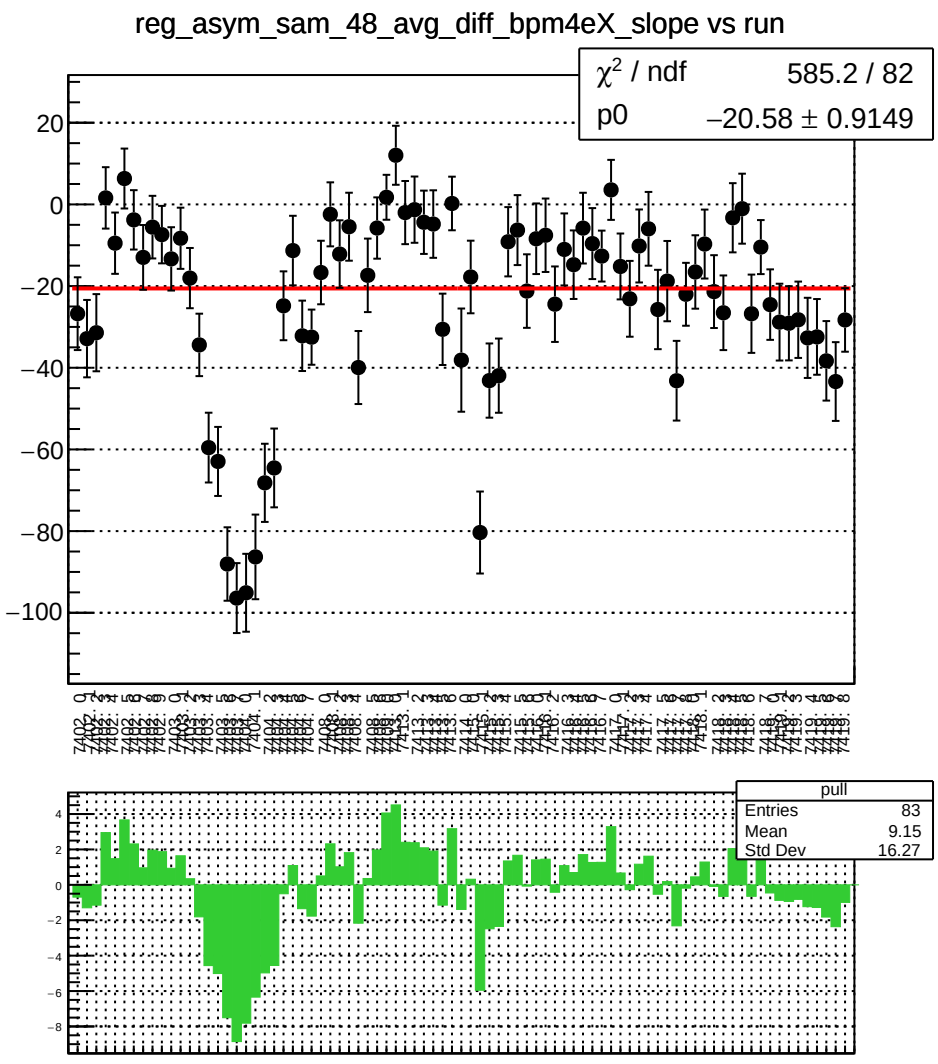

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.64 / 82
p0 −111.3 ± 1.098
−80
−90
−100
−110
−120
−130
pull
Entries 83
Mean 263.6
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 83
Mean 0.001921
Std Dev 0.4054
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

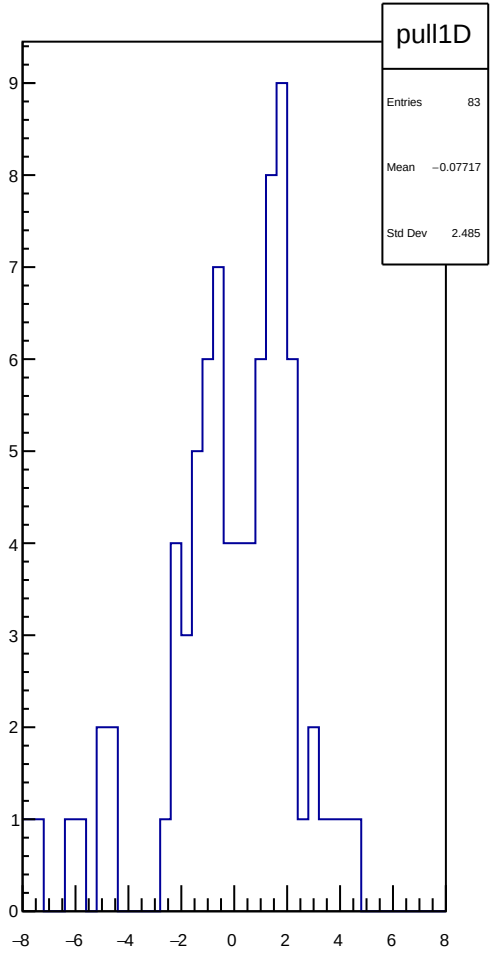

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 17.43 / 82
p0 0.8009 ± 0.04782
pull
Entries 83
Mean −619.6
Std Dev 0
pull1D
Entries 83
Mean 0.006392
Std Dev 0.4582

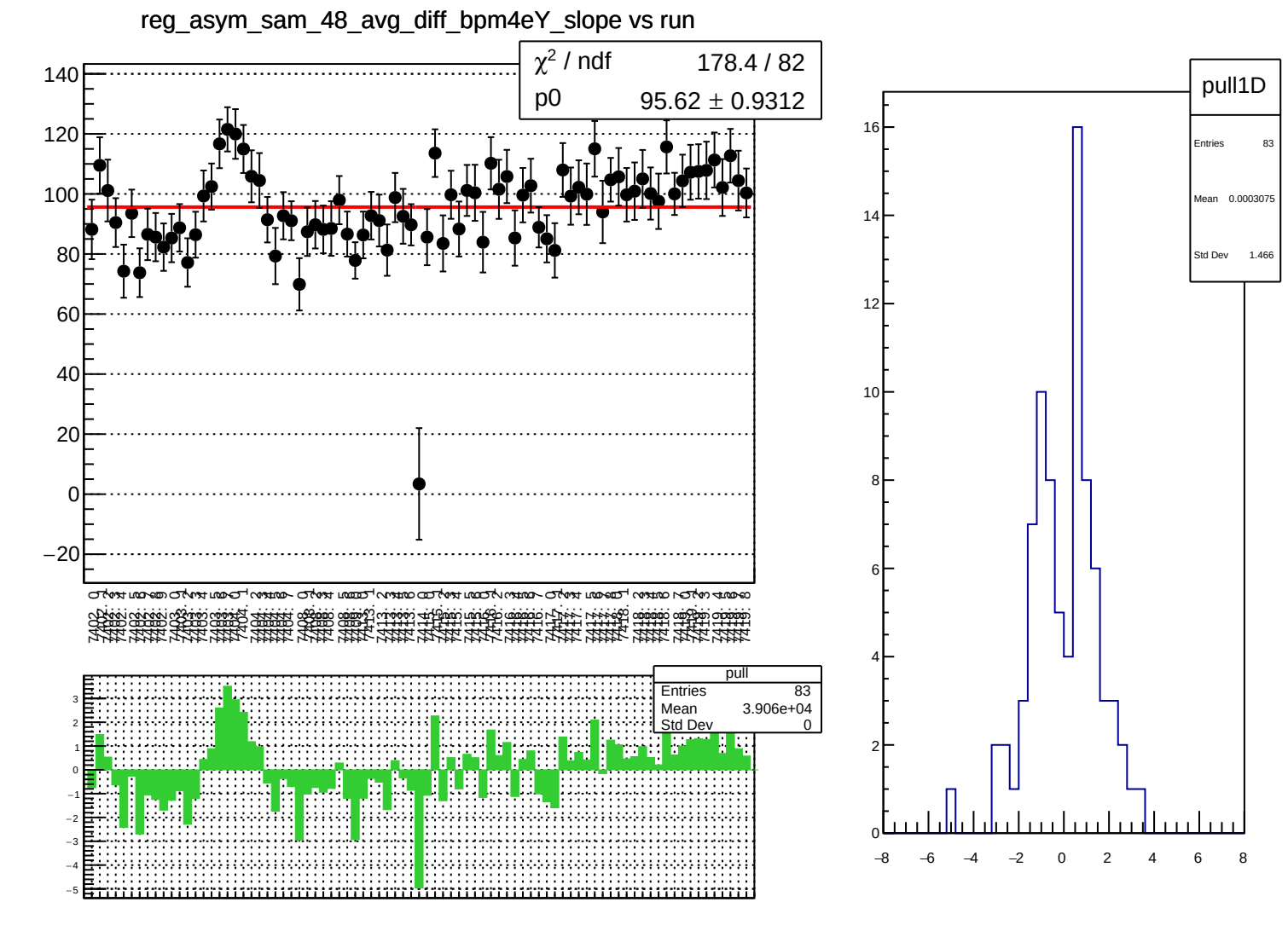

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 786.9 / 82
p0 −79.57 ± 0.8861
pull
Entries 83
Mean −85.46
Std Dev 0

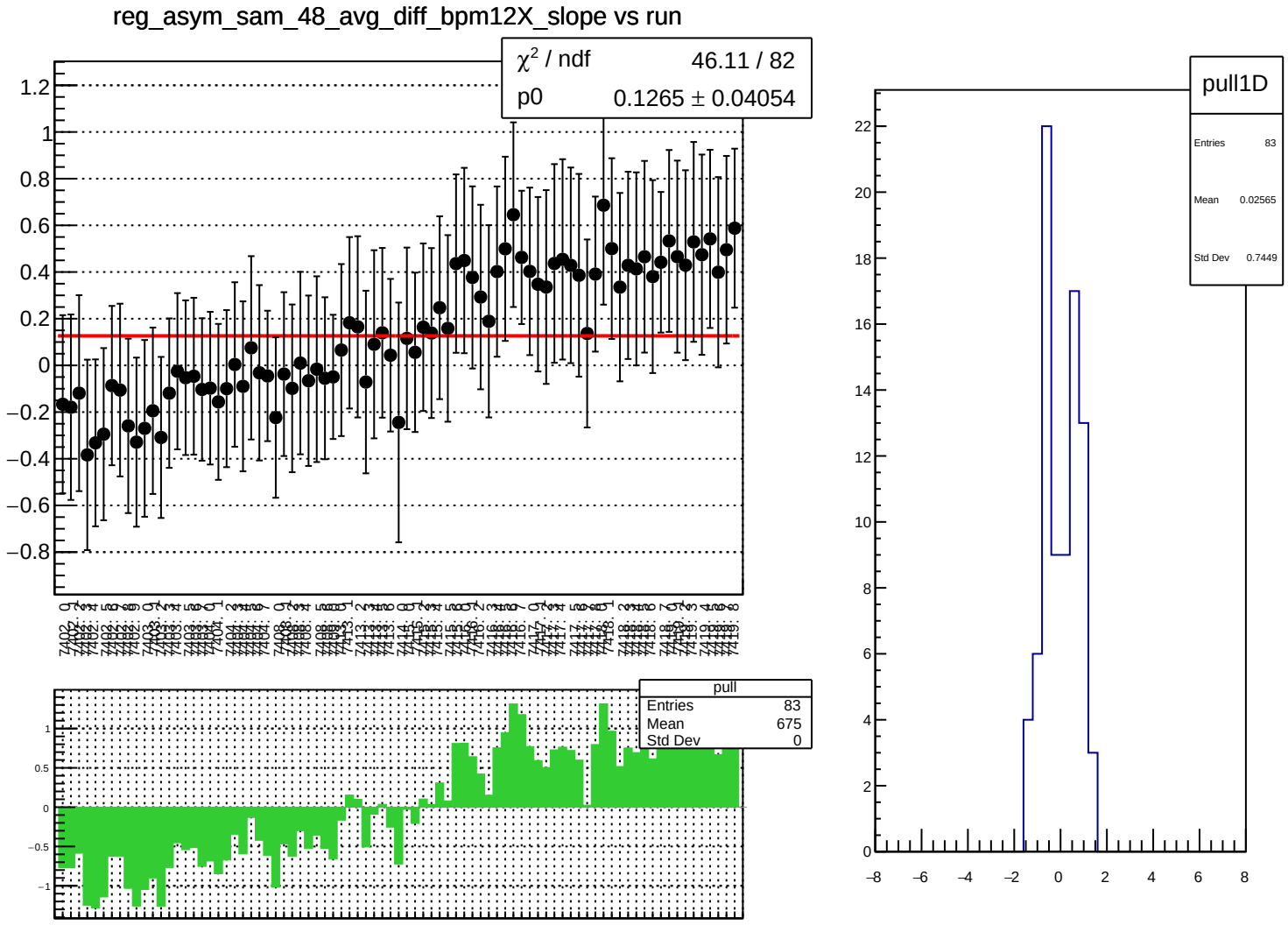

pull1D
Entries 83
Mean −0.1989
Std Dev 2.521

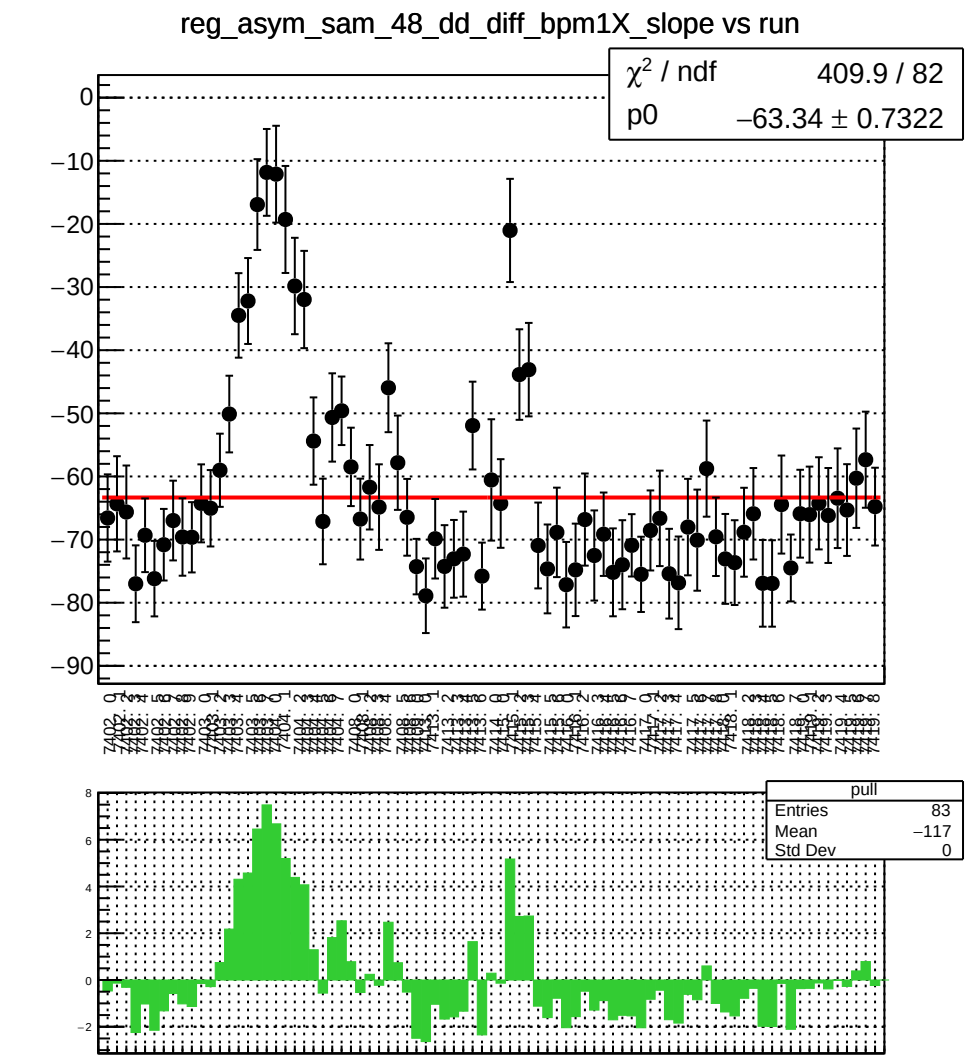

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 300.4 / 82
p0 25.11 ± 0.8844
pull
Entries 83
Mean 113.8
Std Dev 0
pull1D
Entries 83
Mean 0.09082
Std Dev 1.9

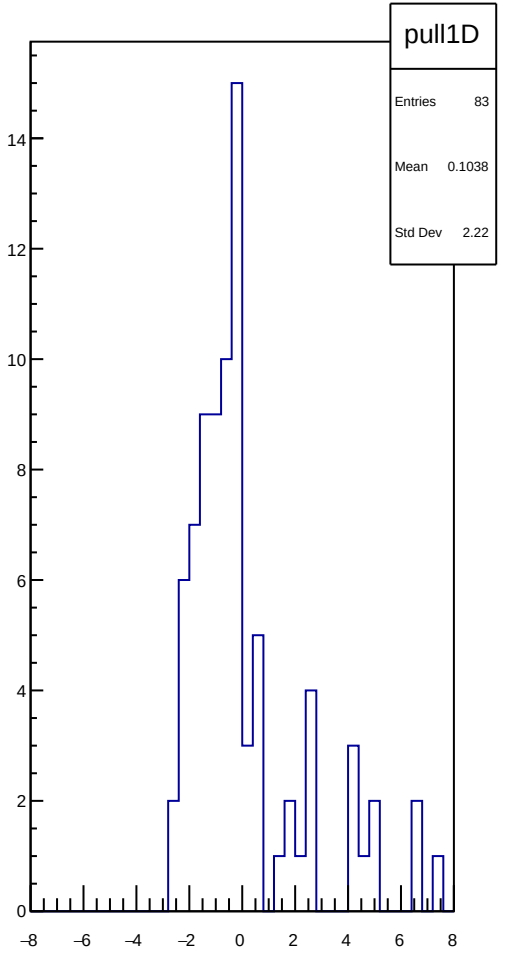

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 585.2 / 82
p0 −20.58 ± 0.9149
pull
Entries 83
Mean 9.15
Std Dev 16.27

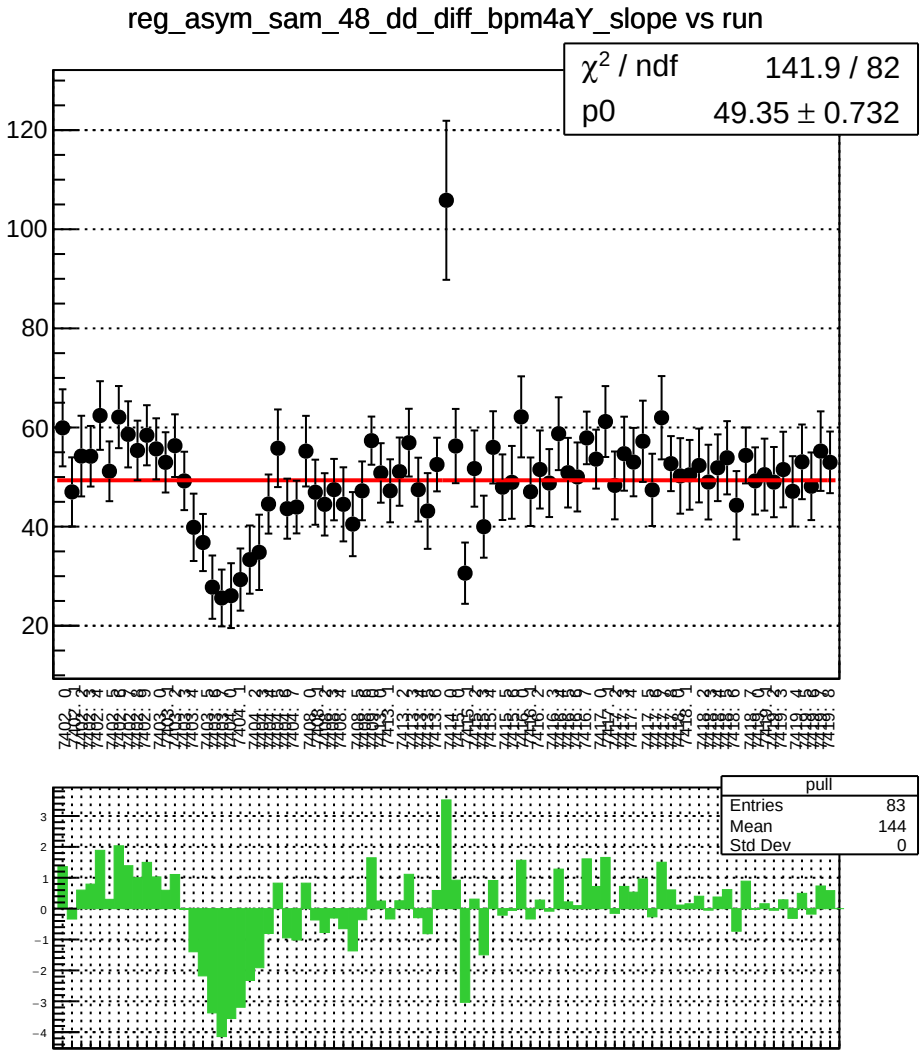

pull1D
Entries 83
Mean −0.07717
Std Dev 2.485

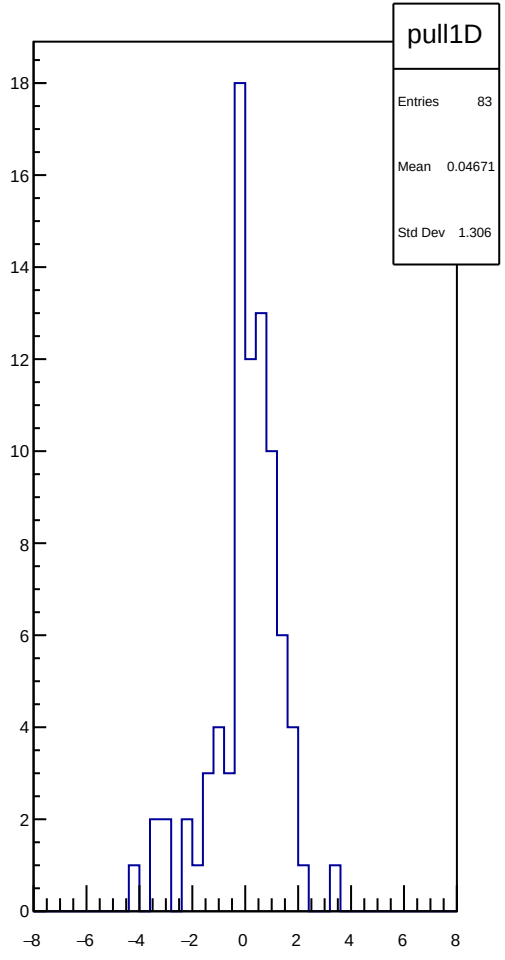

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 178.4 / 82
p0 95.62 ± 0.9312
pull
Entries 83
Mean 3.906e+04
Std Dev 0
pull1D
Entries 83
Mean 0.0003075
Std Dev 1.466

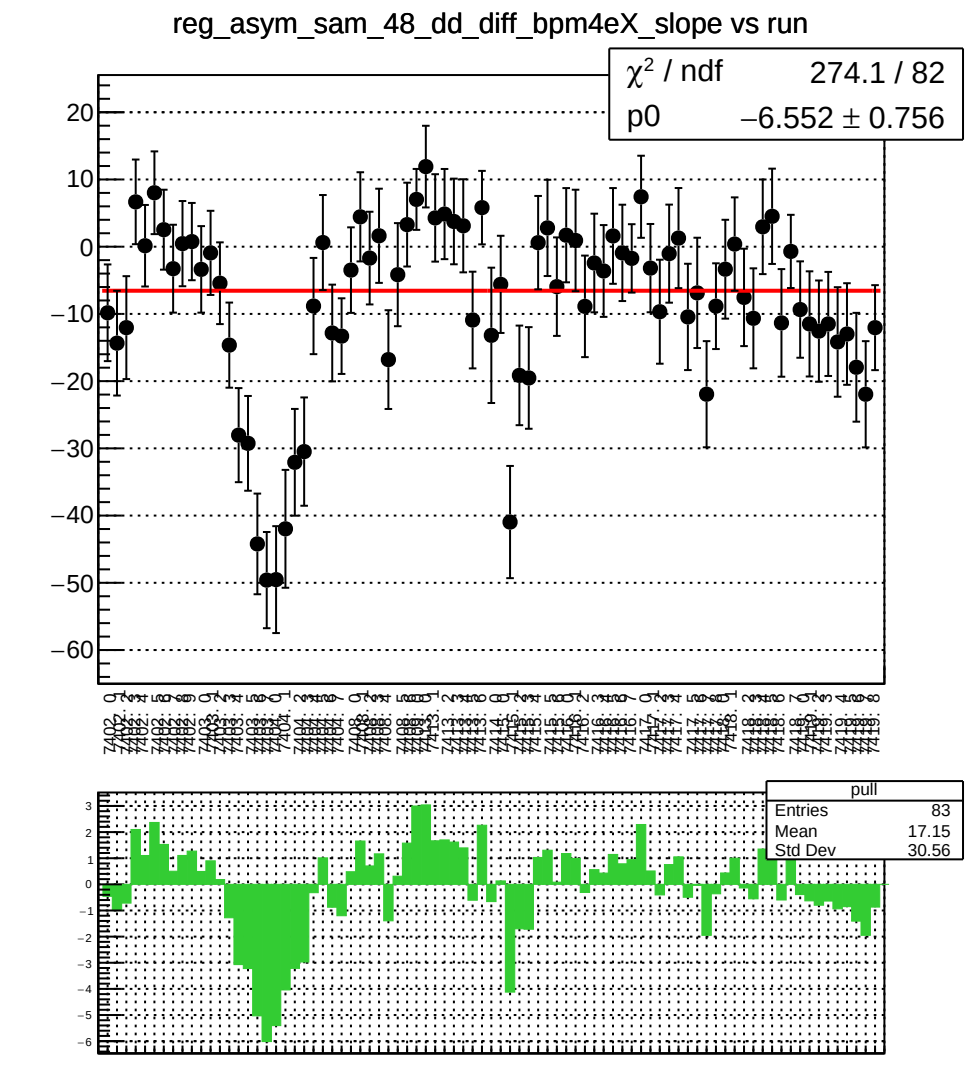

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 46.11 / 82
p0 0.1265 ± 0.04054
pull
Entries 83
Mean 675
Std Dev 0
pull1D
Entries 83
Mean 0.02565
Std Dev 0.7449

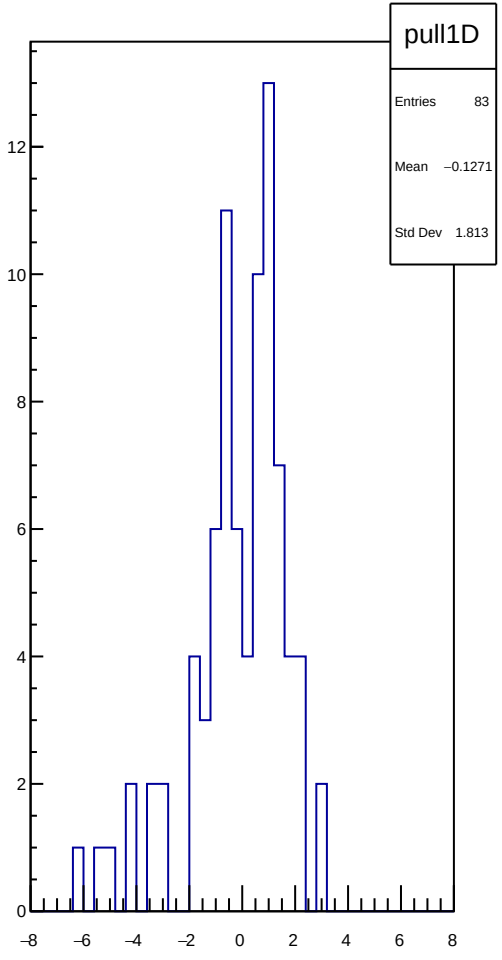

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 409.9 / 82
p0 −63.34 ± 0.7322
pull
Entries 83
Mean −117
Std Dev 0

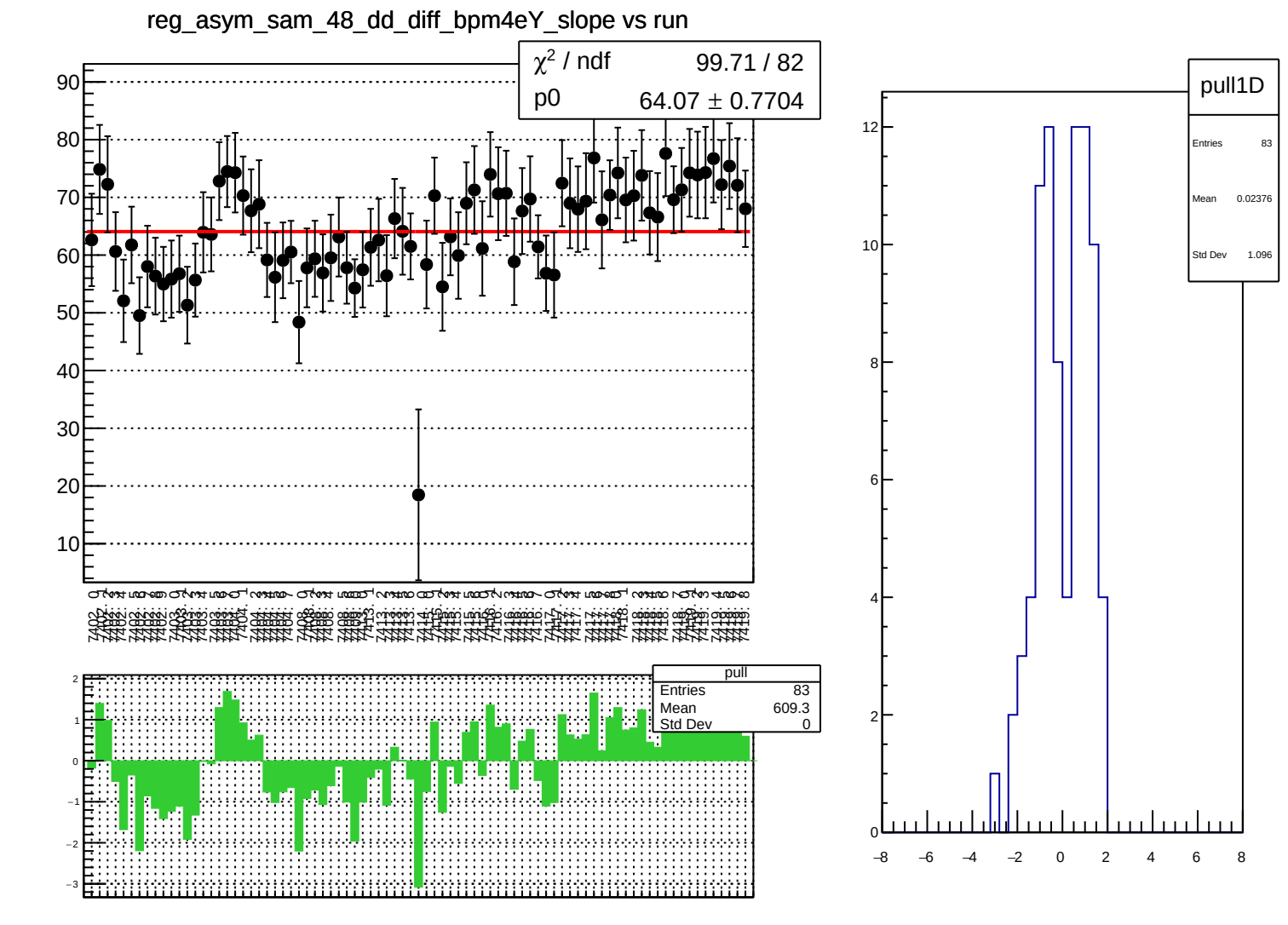

pull1D
Entries 83
Mean 0.1038
Std Dev 2.22

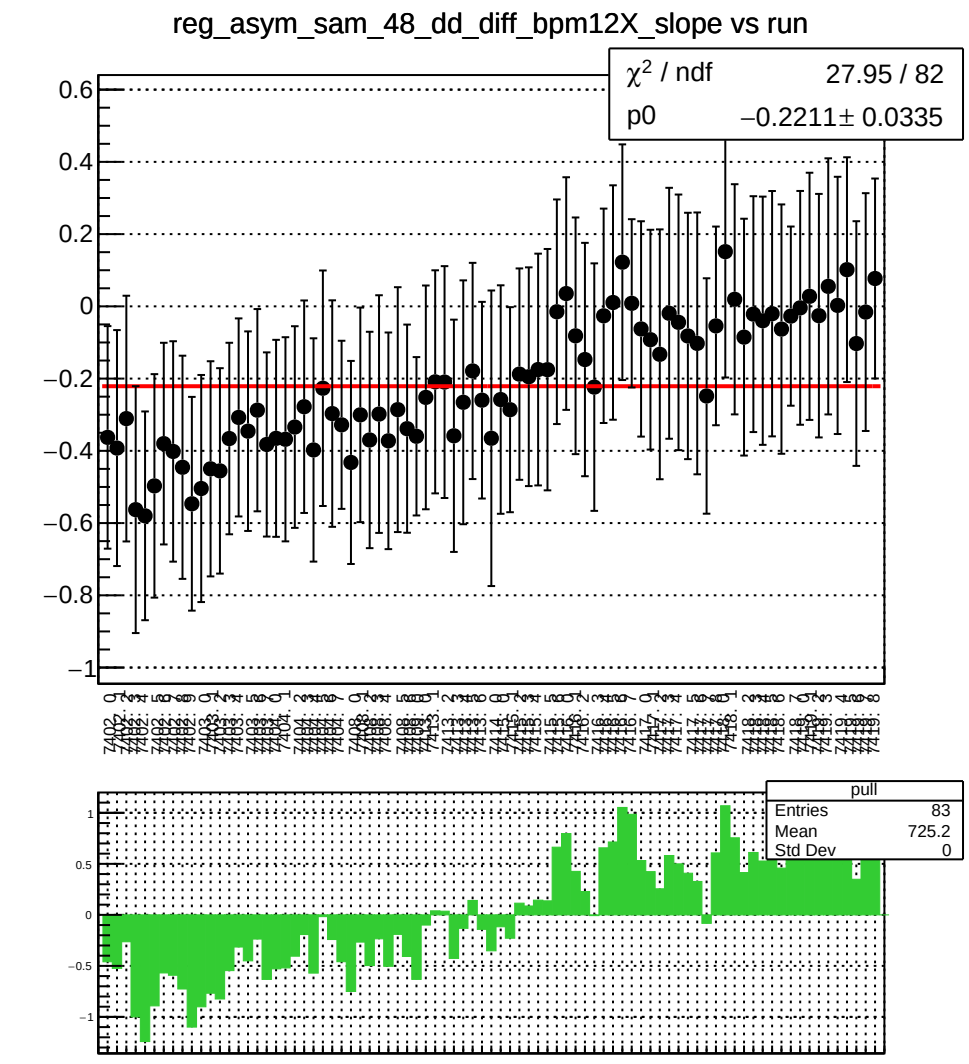

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 141.9 / 82
p0 49.35 ± 0.732
120
100
80
60
40
20
pull
Entries 83
Mean 144
Std Dev 0
3
2
1
0
−1
−2
−3
−4

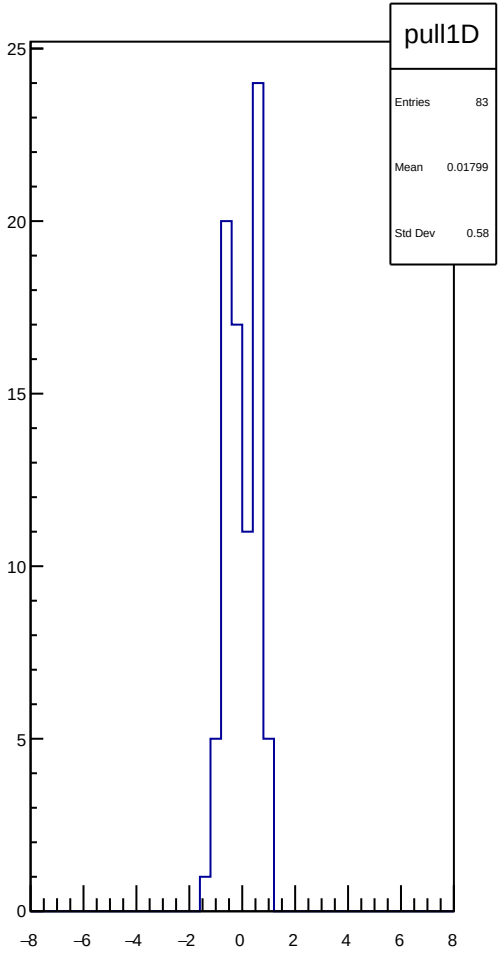

pull1D
Entries 83
Mean 0.04671
Std Dev 1.306
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

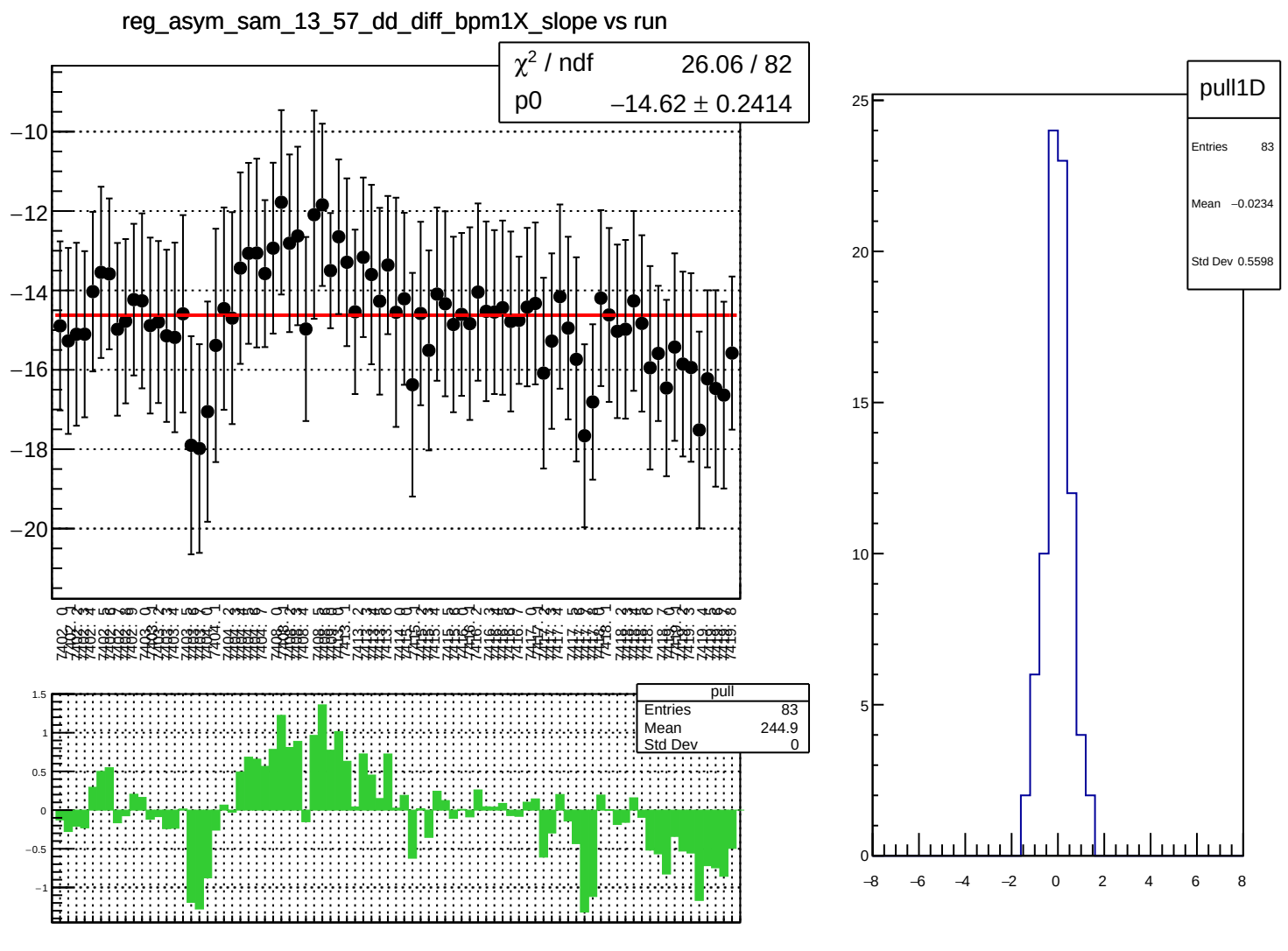

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 274.1 / 82
p0 −6.552 ± 0.756
pull
Entries 83
Mean 17.15
Std Dev 30.56

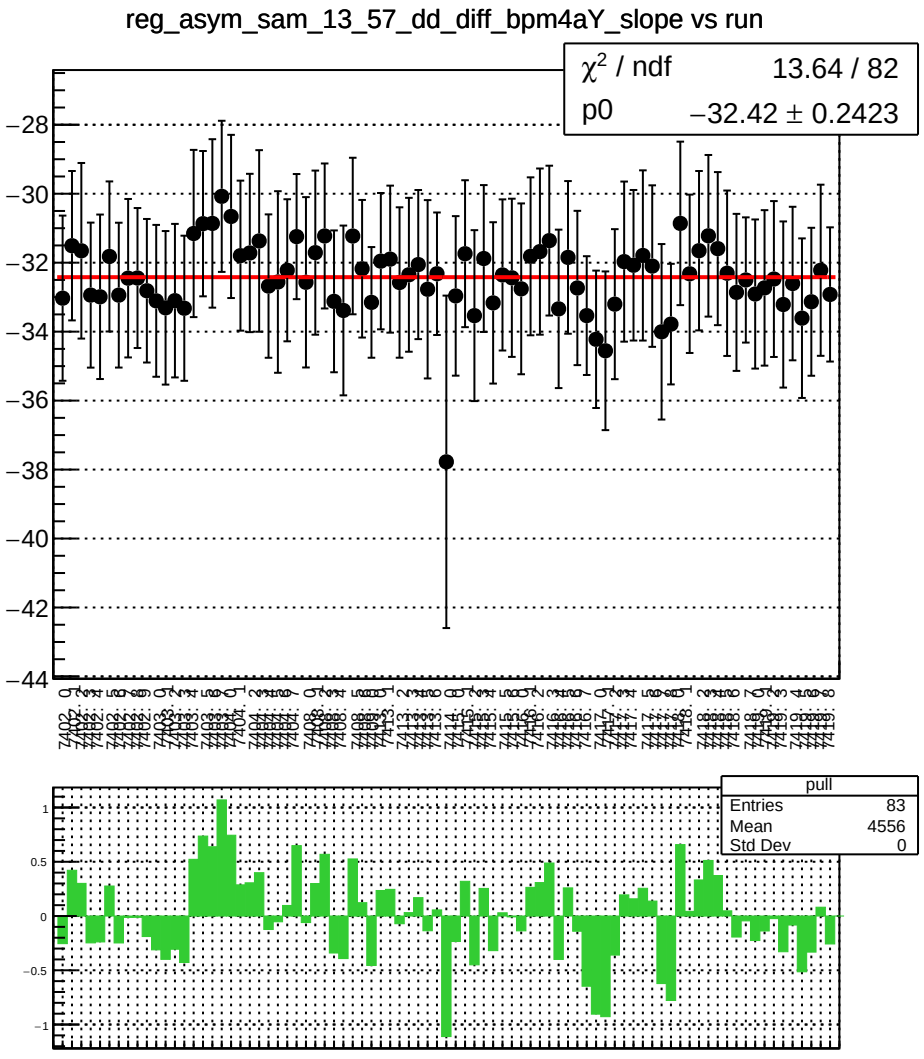

pull1D
Entries 83
Mean −0.1271
Std Dev 1.813

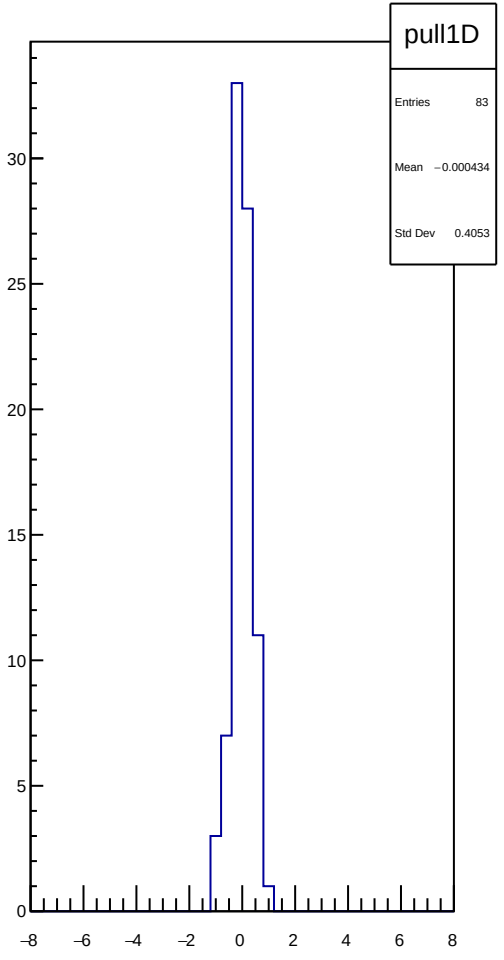

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 99.71 / 82
p0 64.07 ± 0.7704
pull
Entries 83
Mean 609.3
Std Dev 0
pull1D
Entries 83
Mean 0.02376
Std Dev 1.096

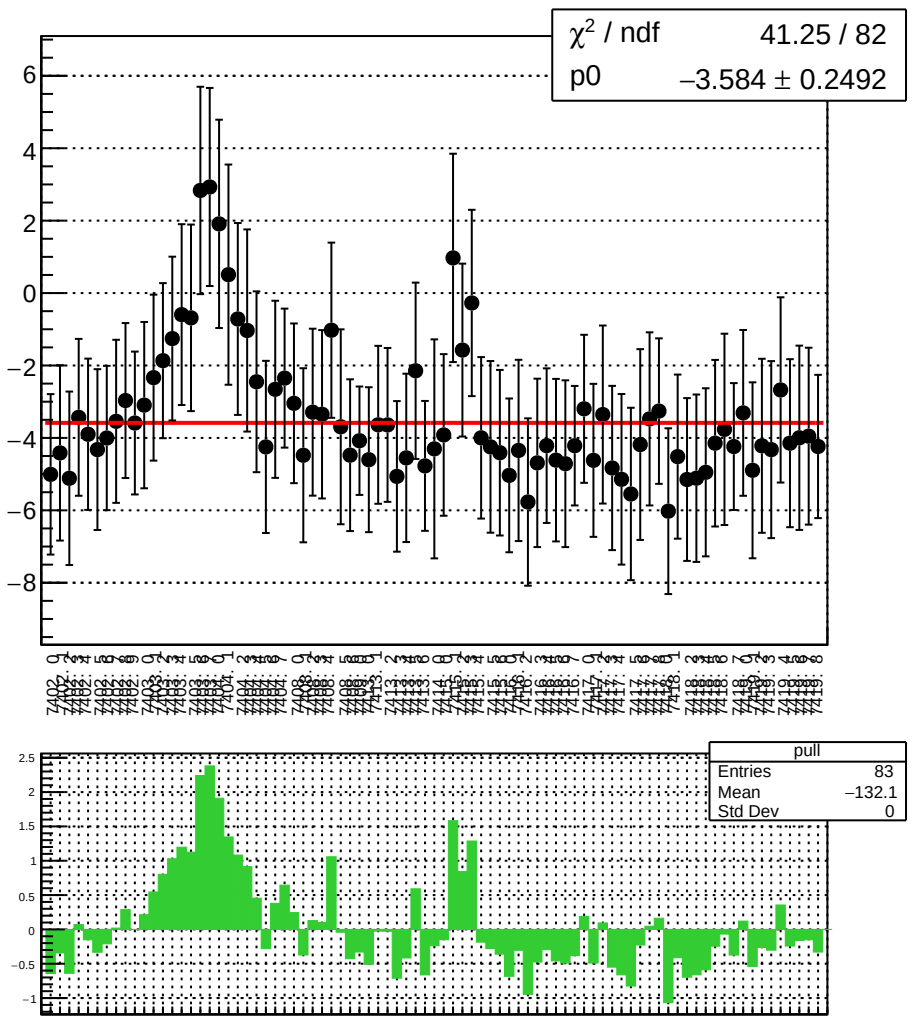

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 27.95 / 82
p0 −0.2211± 0.0335
pull
Entries 83
Mean 725.2
Std Dev 0

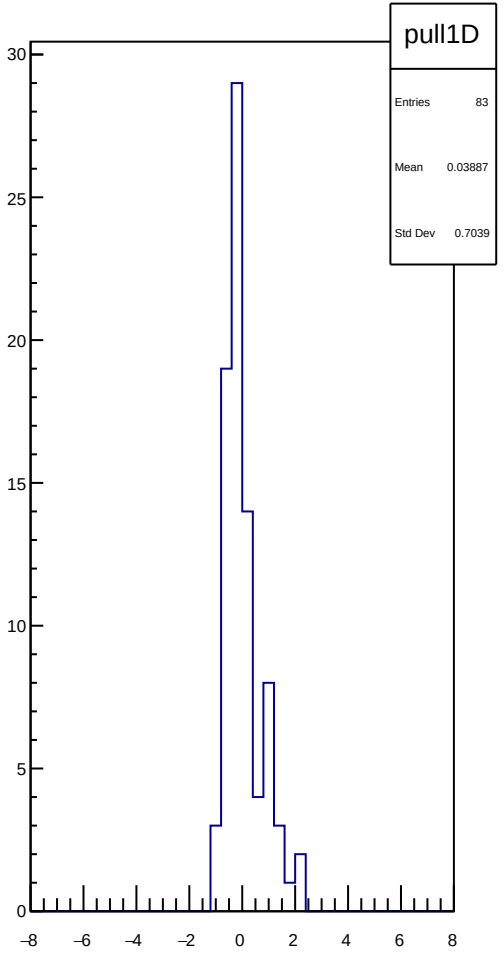

pull1D
Entries 83
Mean 0.01799
Std Dev 0.58

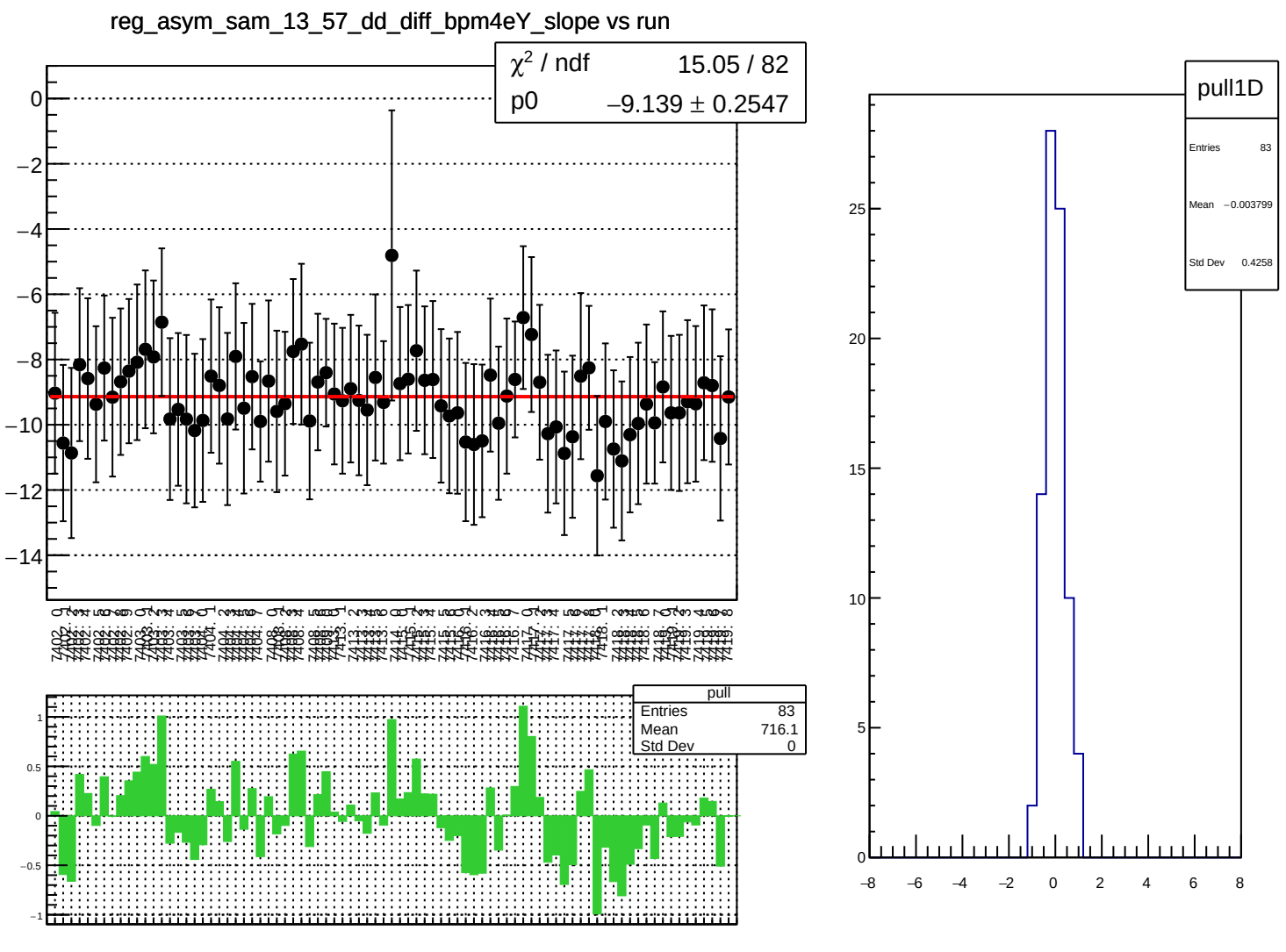

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 26.06 / 82
p0 −14.62 ± 0.2414
pull
Entries 83
Mean 244.9
Std Dev 0
pull1D
Entries 83
Mean −0.0234
Std Dev 0.5598

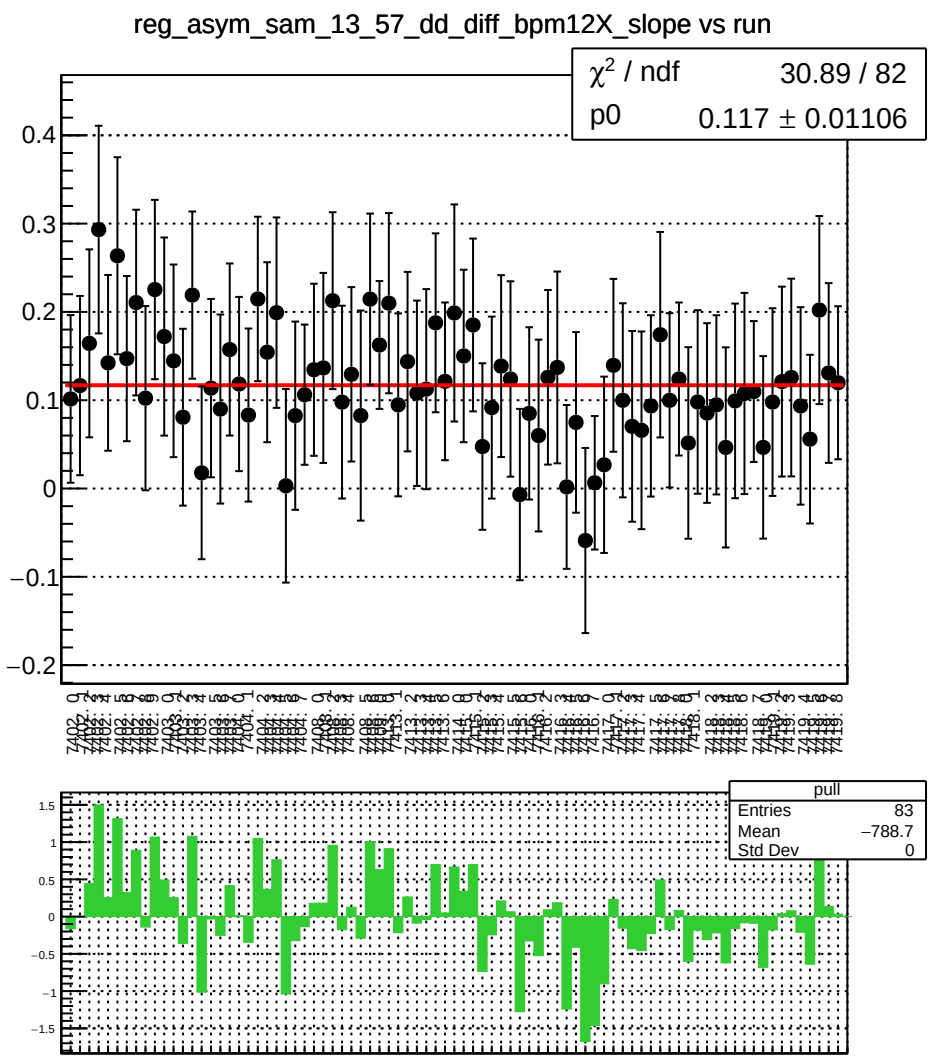

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.64 / 82
p0 −32.42 ± 0.2423
pull
Entries 83
Mean 4556
Std Dev 0

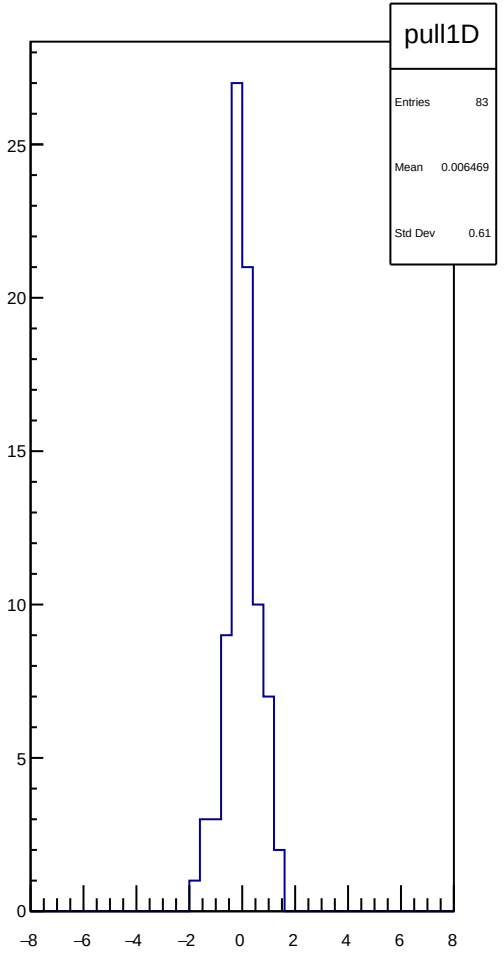

pull1D
Entries 83
Mean −0.000434
Std Dev 0.4053

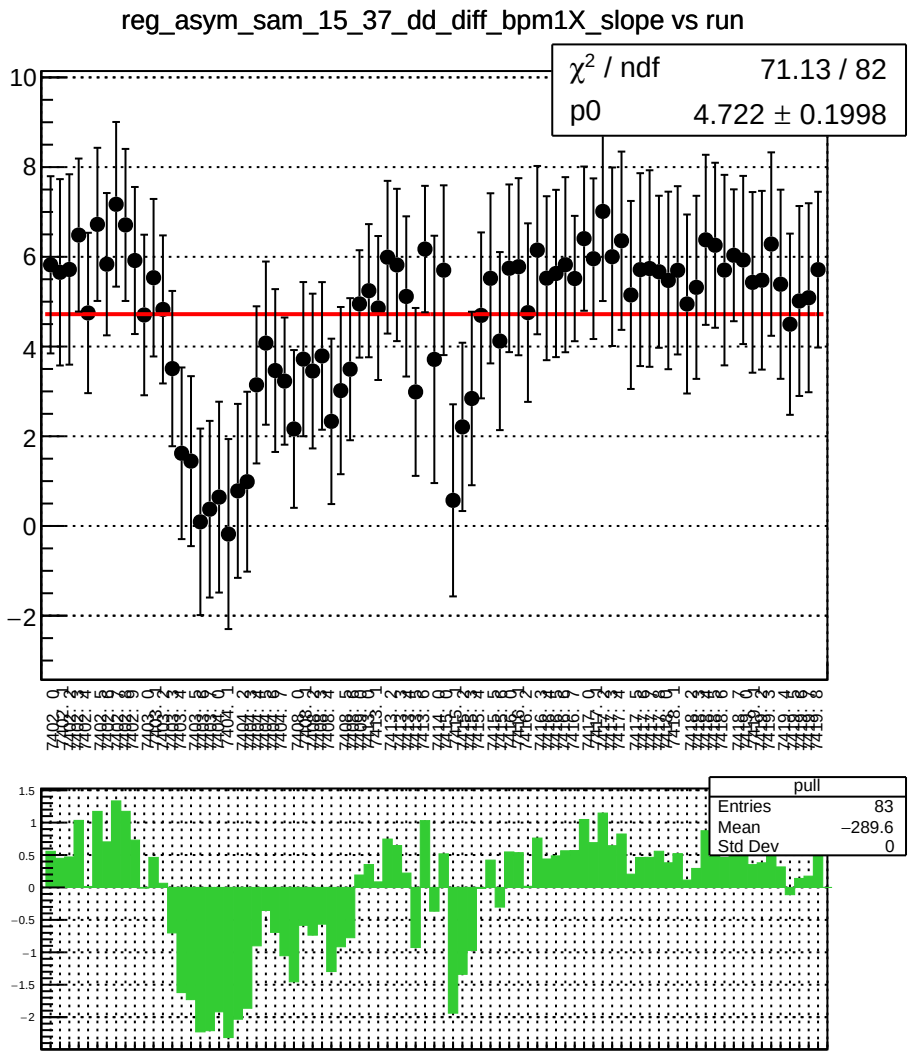

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.25 / 82
p0 −3.584 ± 0.2492
pull
Entries 83
Mean −132.1
Std Dev 0

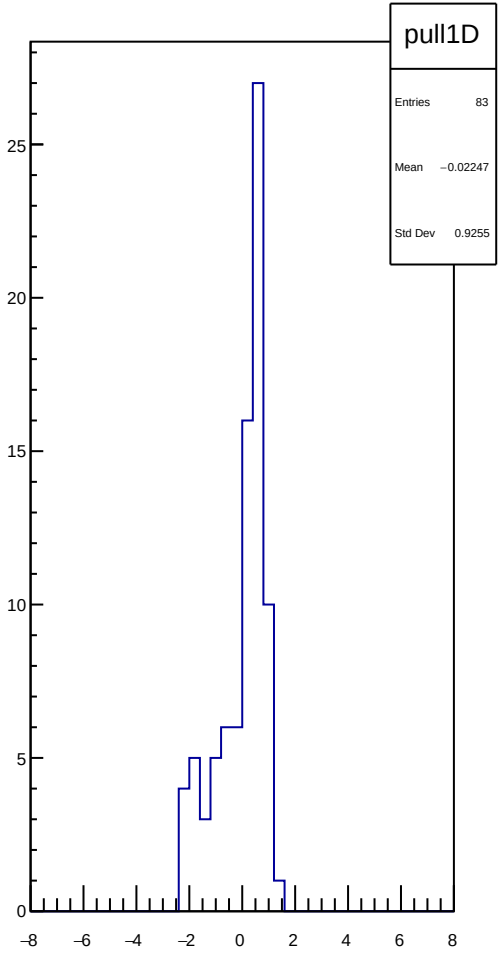

pull1D
Entries 83
Mean 0.03887
Std Dev 0.7039

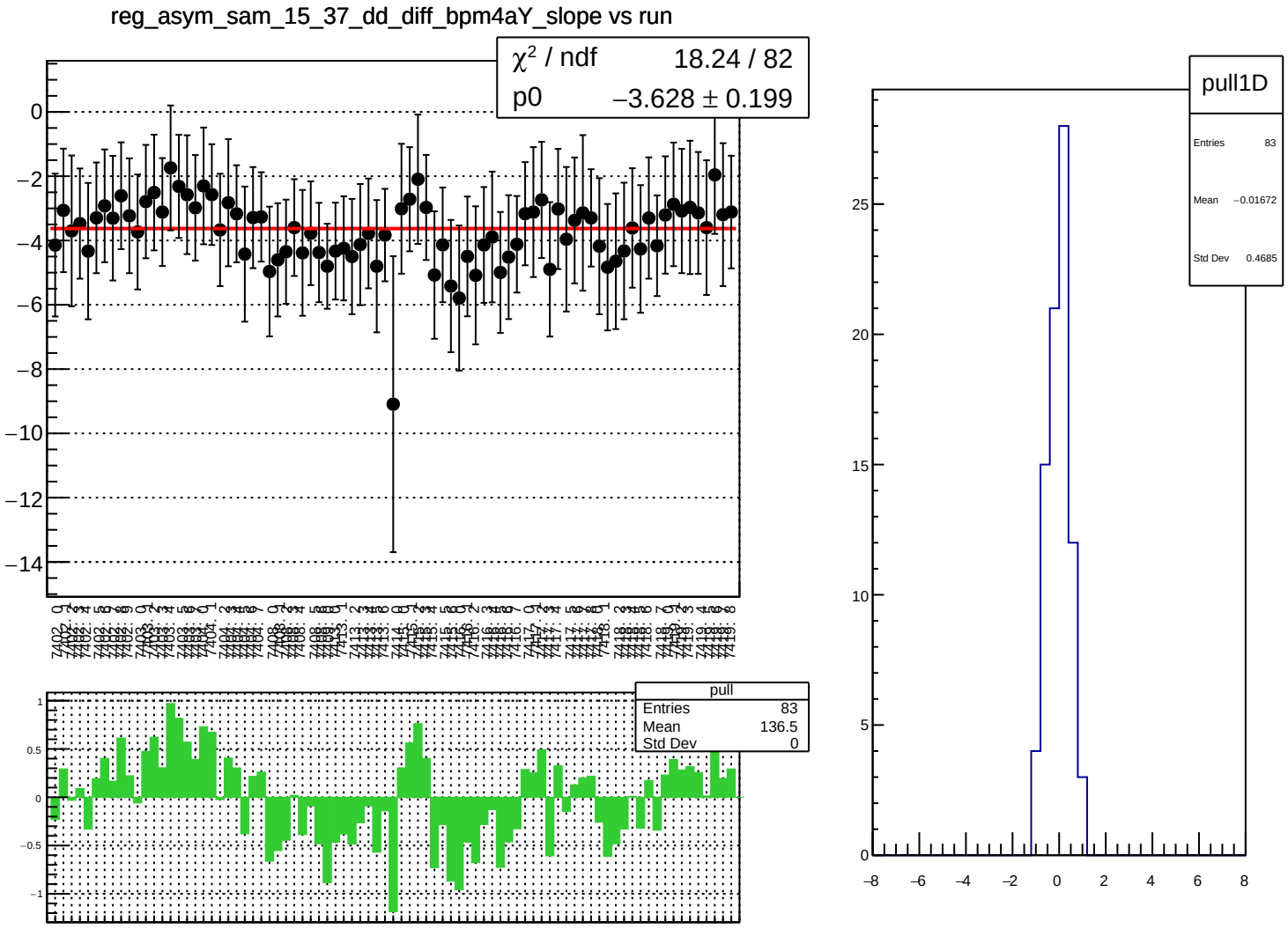

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.05 / 82
p0 −9.139 ± 0.2547
pull
Entries 83
Mean 716.1
Std Dev 0
pull1D
Entries 83
Mean −0.003799
Std Dev 0.4258

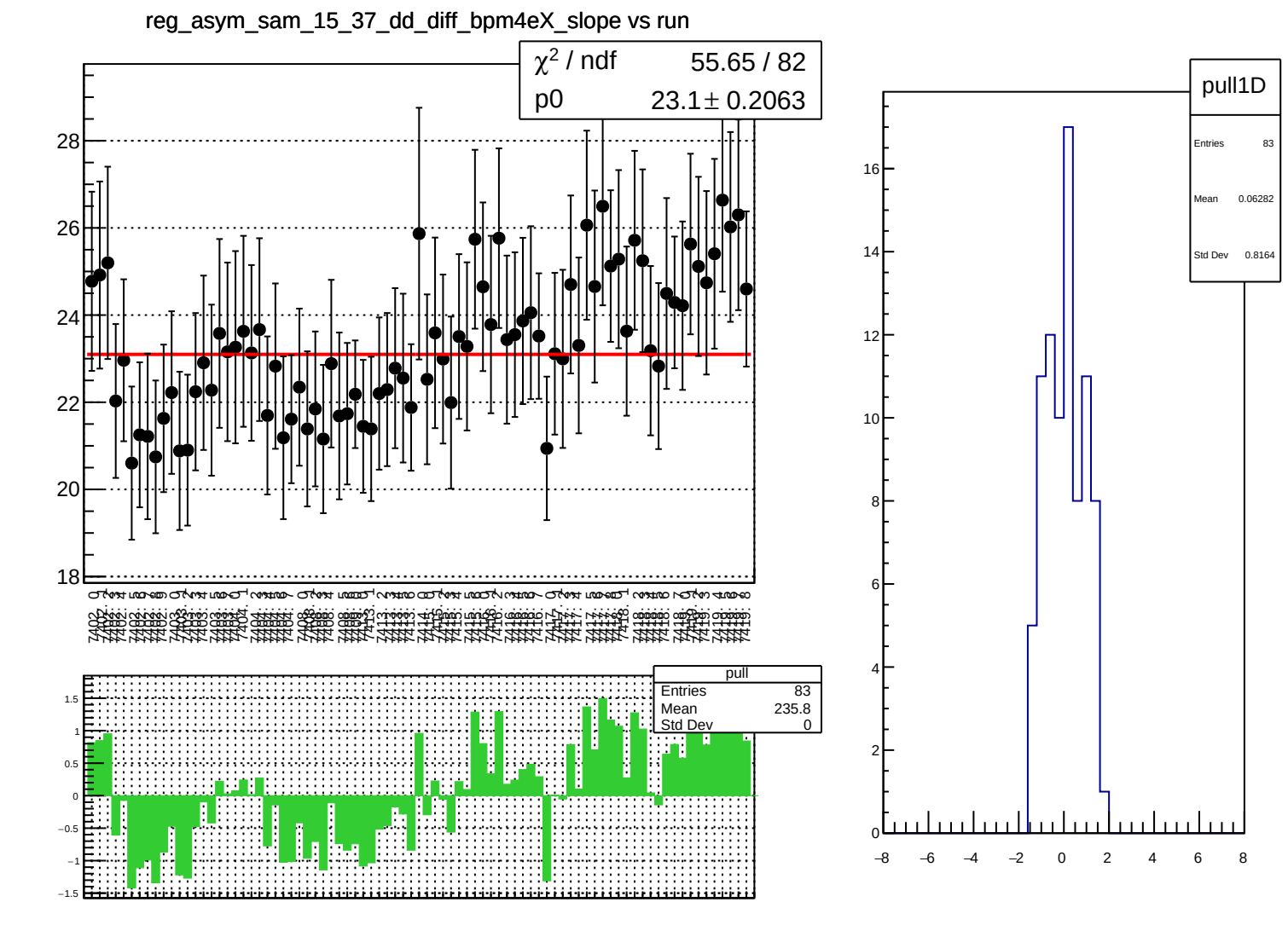

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 30.89 / 82
p0 0.117 ± 0.01106
pull
Entries 83
Mean −788.7
Std Dev 0

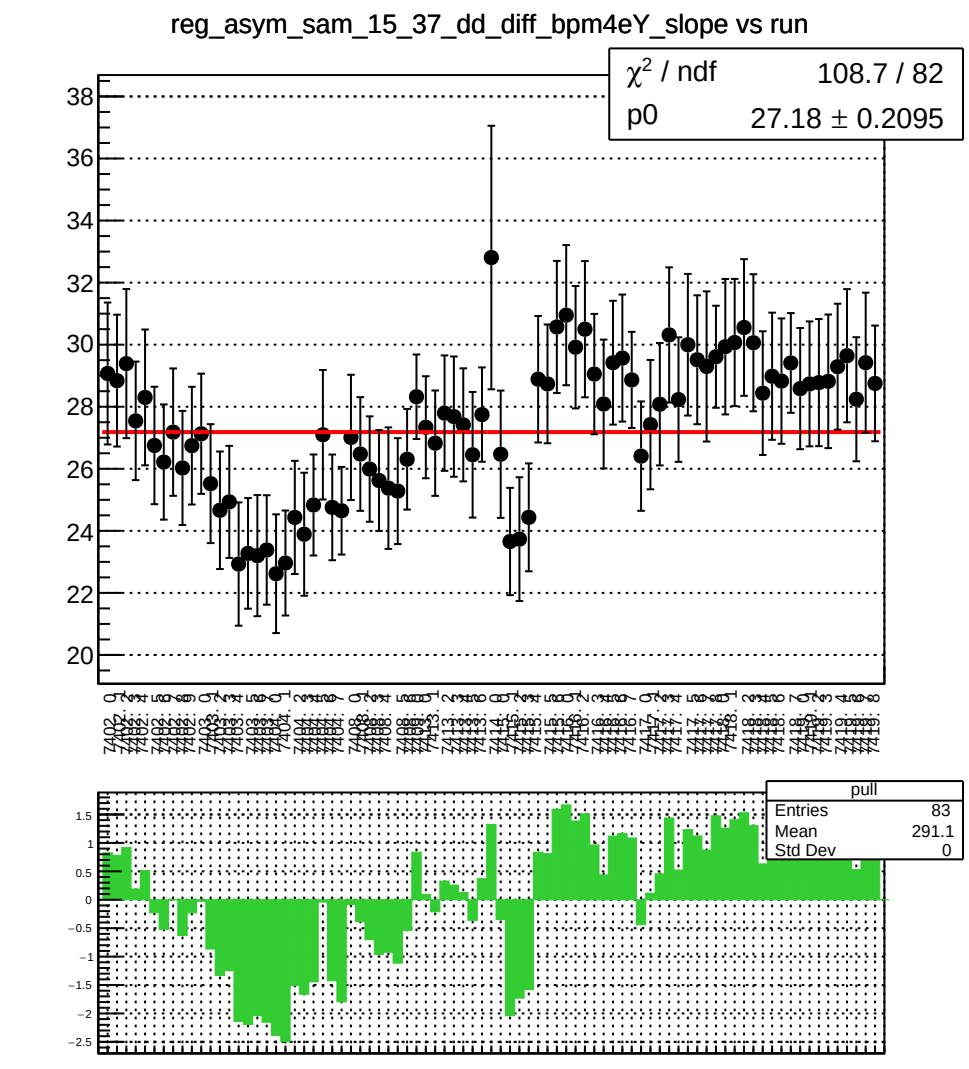

pull1D
Entries 83
Mean 0.006469
Std Dev 0.61

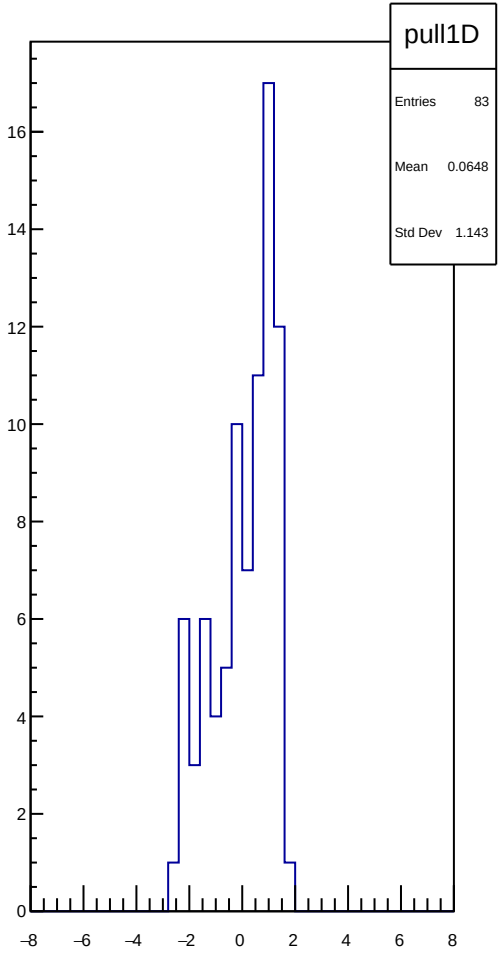

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 71.13 / 82
p0 4.722 ± 0.1998
pull
Entries 83
Mean −289.6
Std Dev 0

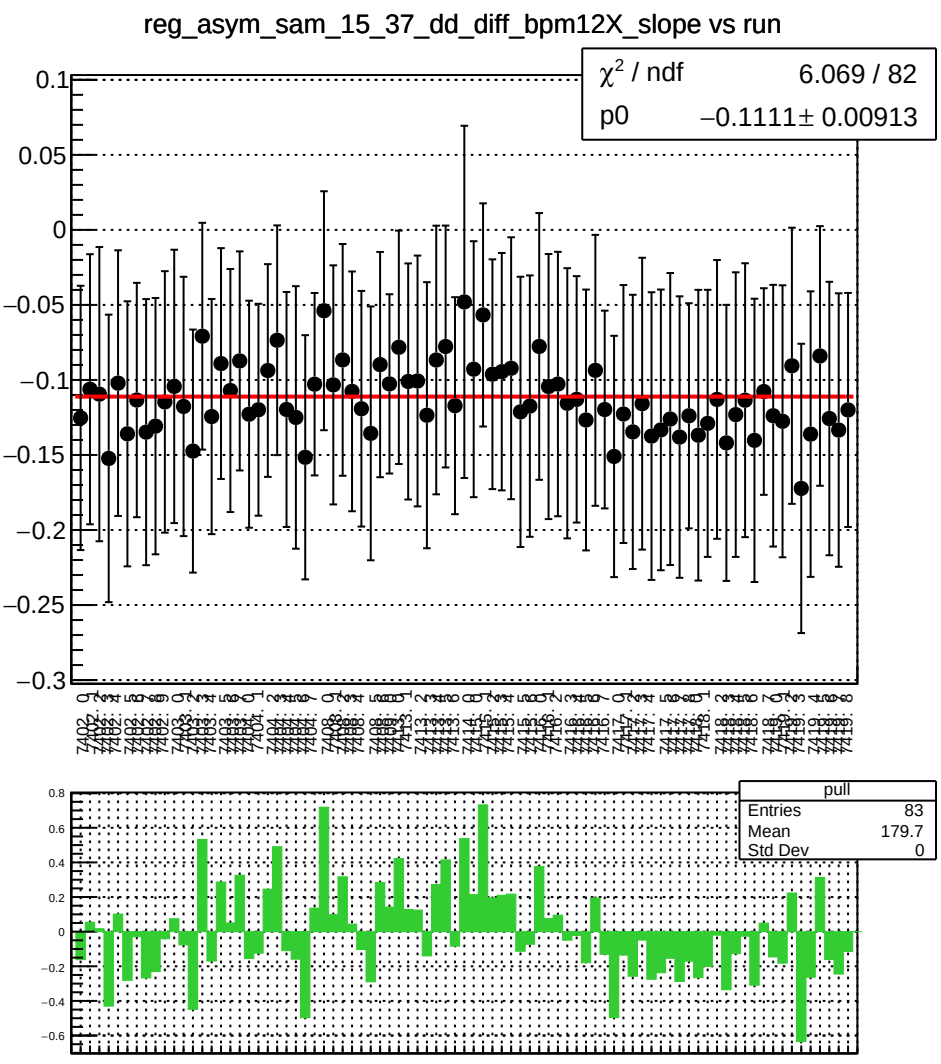

pull1D
Entries 83
Mean −0.02247
Std Dev 0.9255

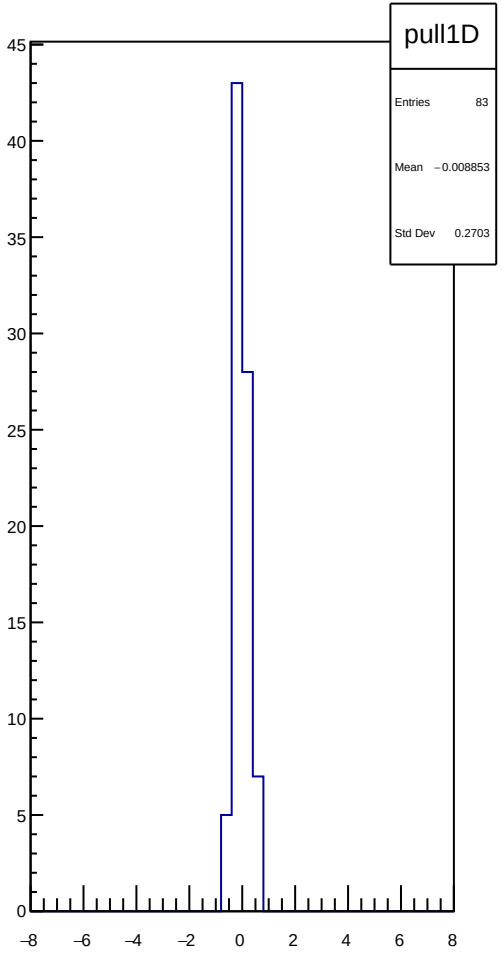

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.24 / 82
p0 −3.628 ± 0.199
pull
Entries 83
Mean 136.5
Std Dev 0
pull1D
Entries 83
Mean −0.01672
Std Dev 0.4685

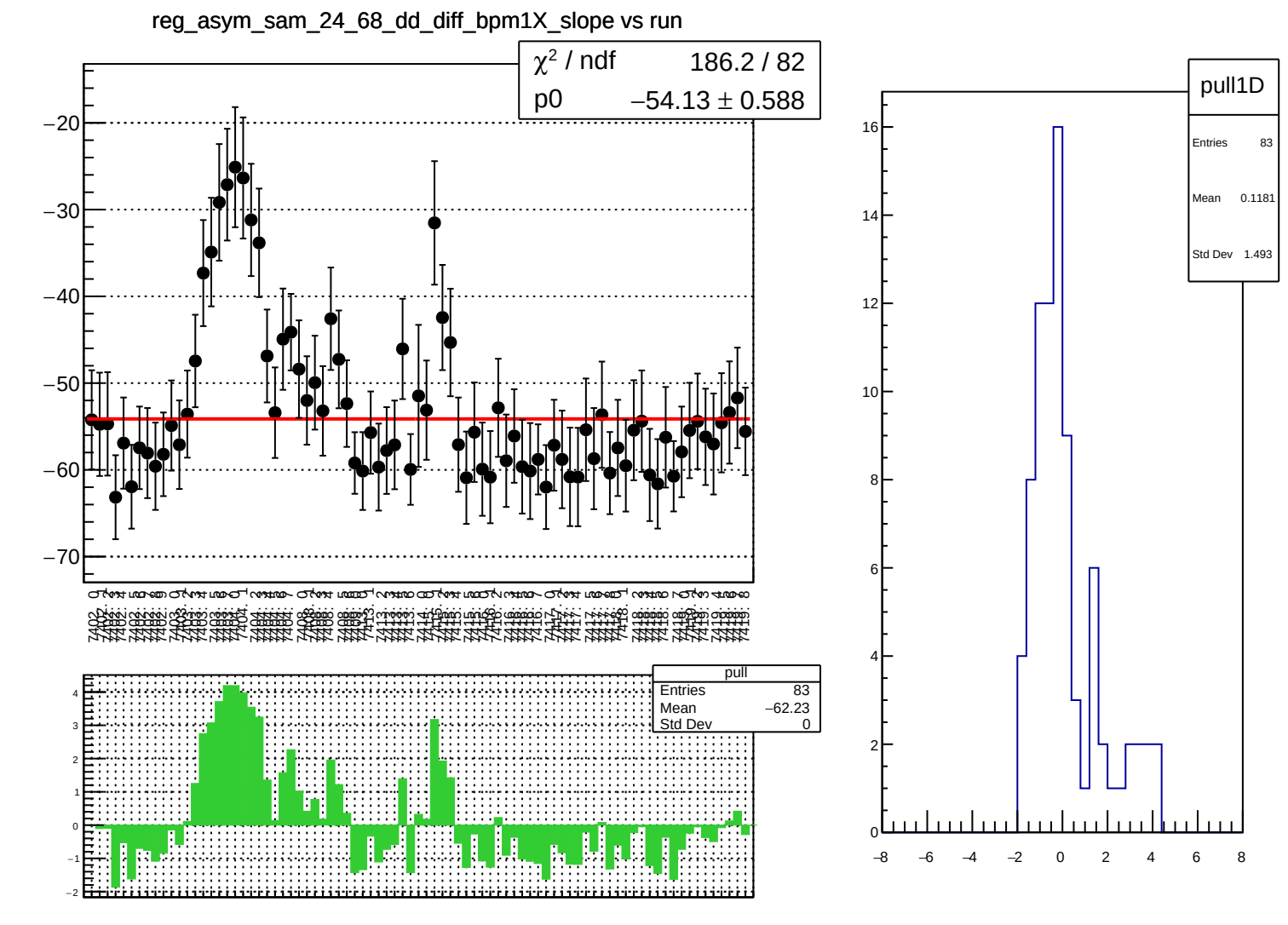

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.65 / 82
p0 23.1 ± 0.2063
pull
Entries 83
Mean 235.8
Std Dev 0
pull1D
Entries 83
Mean 0.06282
Std Dev 0.8164

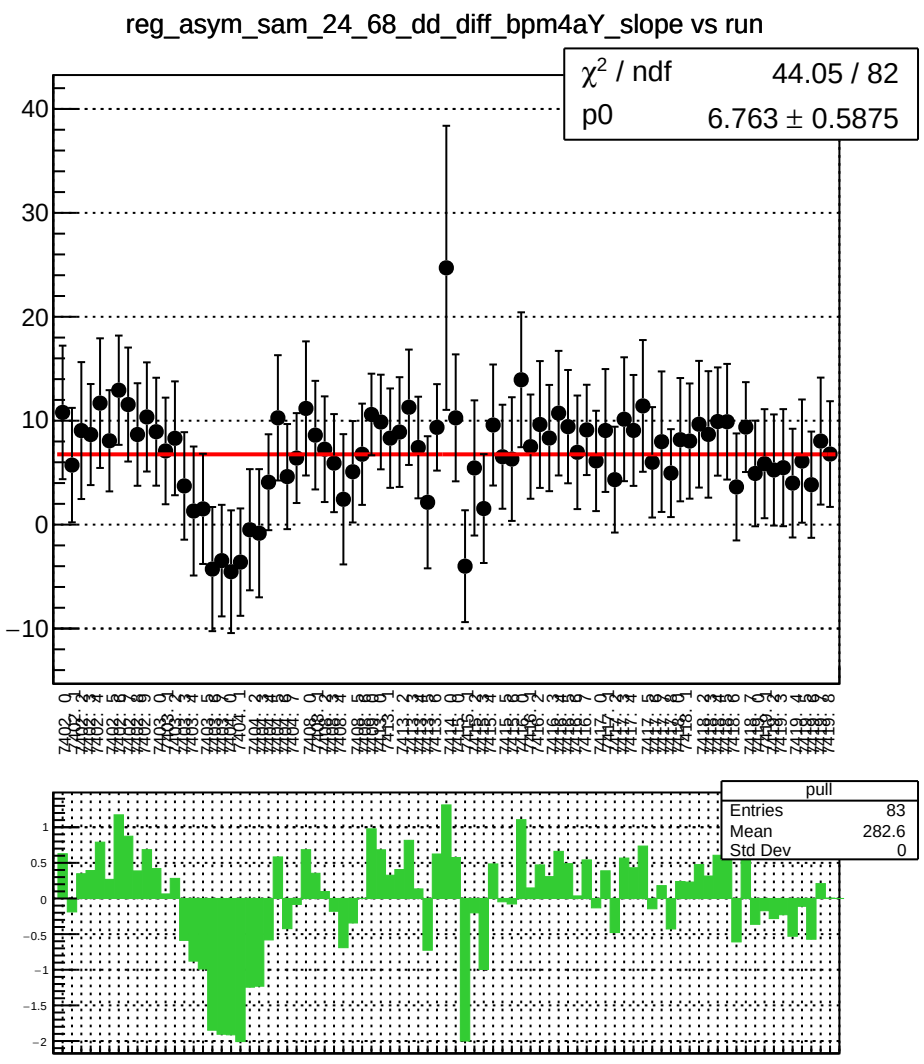

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 108.7 / 82
p0 27.18 ± 0.2095
pull
Entries 83
Mean 291.1
Std Dev 0

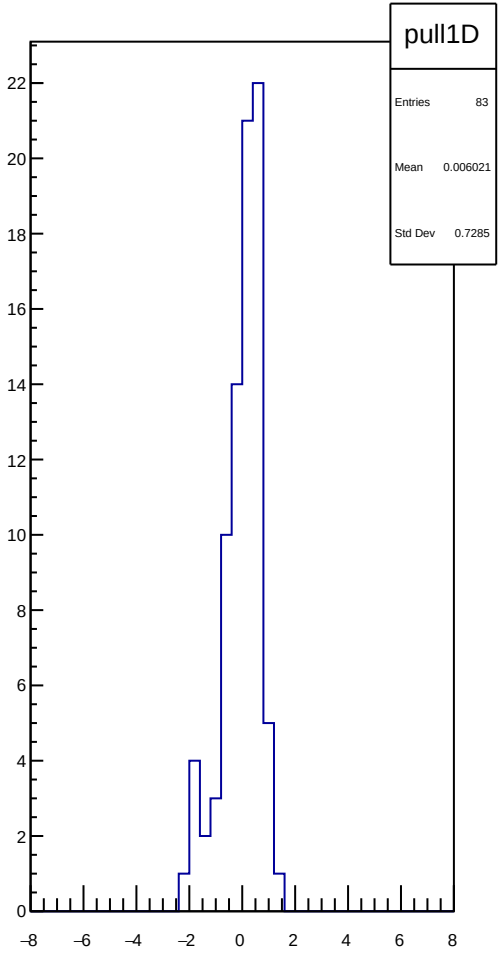

pull1D
Entries 83
Mean 0.0648
Std Dev 1.143

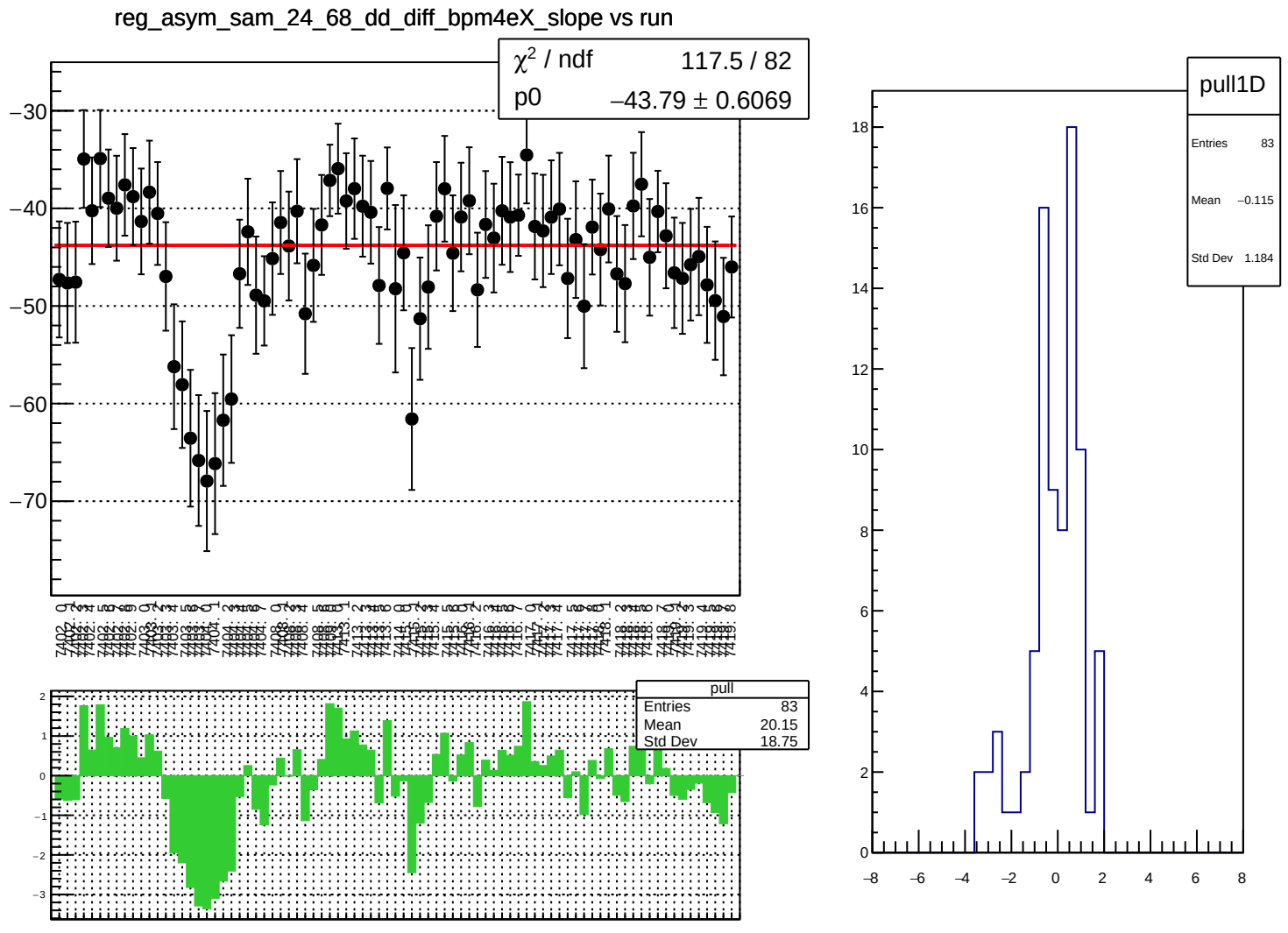

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.069 / 82
p0 −0.1111± 0.00913
pull
Entries 83
Mean 179.7
Std Dev 0

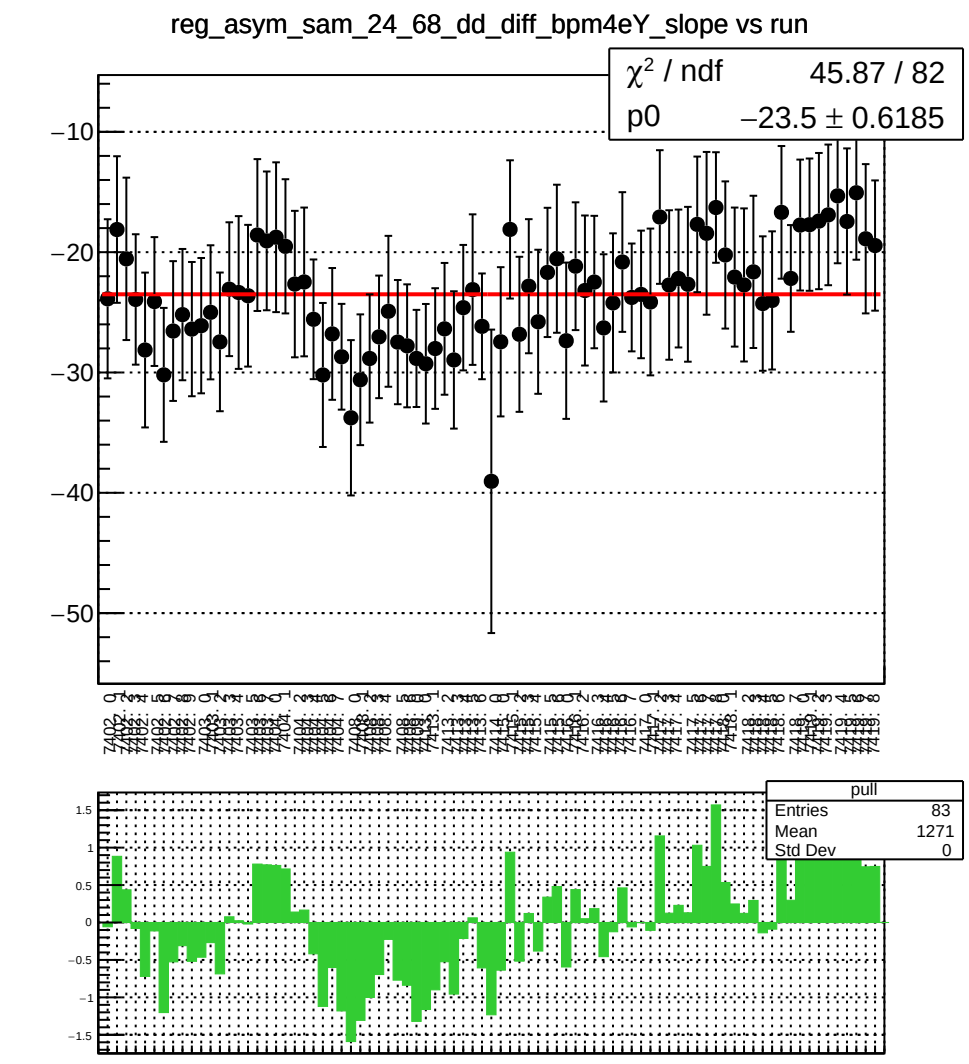

pull1D
Entries 83
Mean −0.008853
Std Dev 0.2703

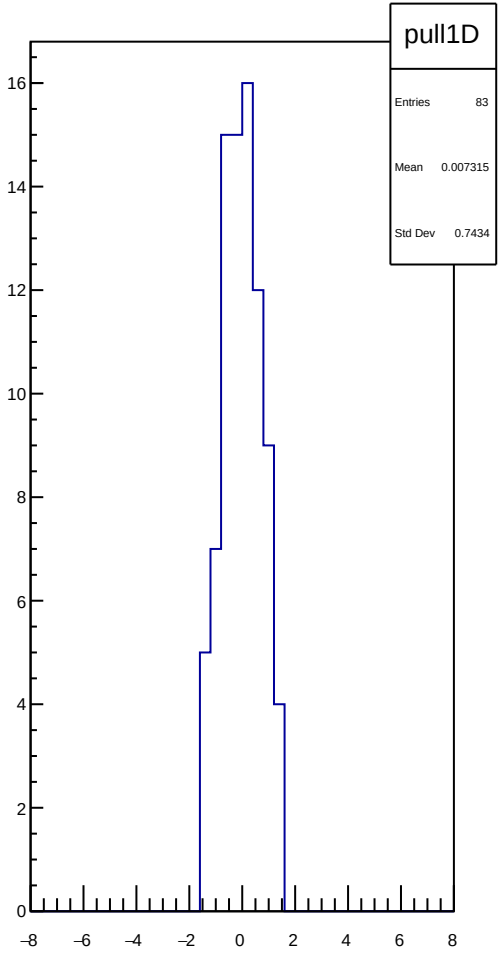

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 186.2 / 82
p0 −54.13 ± 0.588
pull
Entries 83
Mean −62.23
Std Dev 0
pull1D
Entries 83
Mean 0.1181
Std Dev 1.493

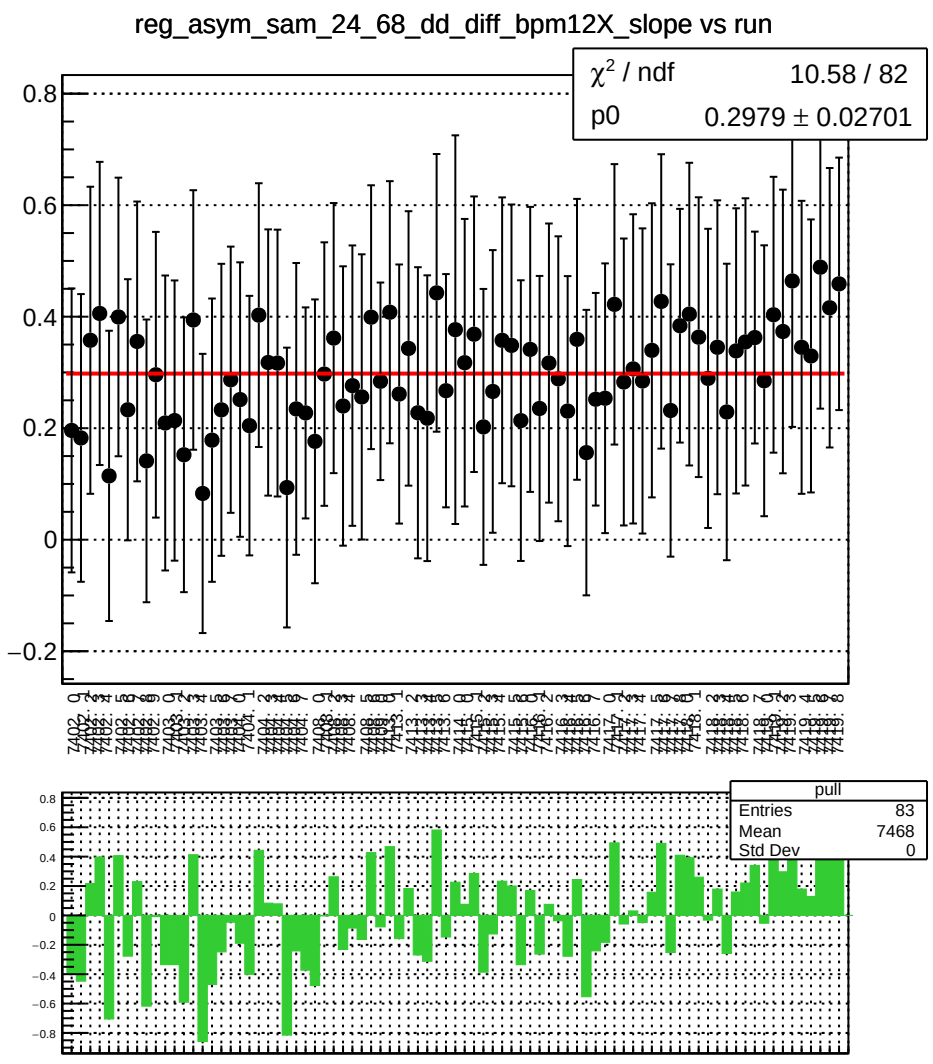

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.05 / 82
p0 6.763 ± 0.5875
pull
Entries 83
Mean 282.6
Std Dev 0

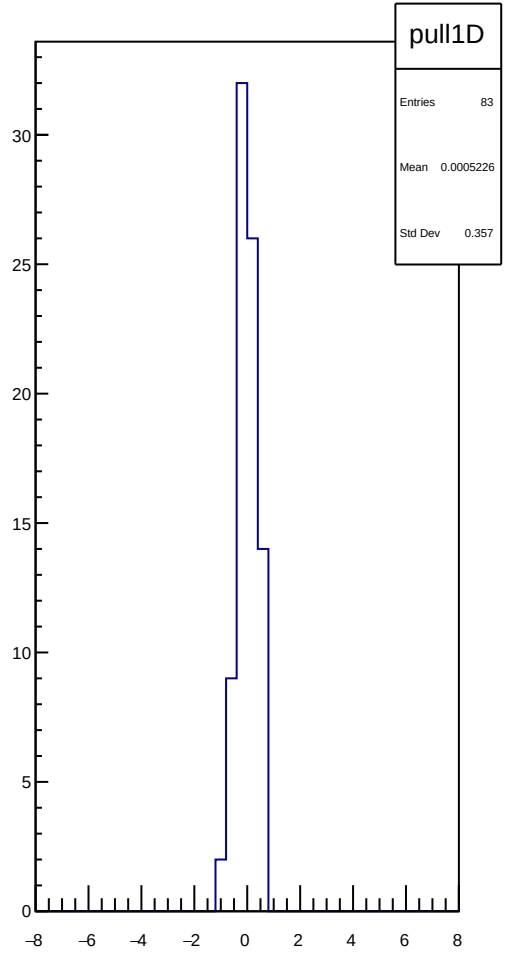

pull1D
Entries 83
Mean 0.006021
Std Dev 0.7285

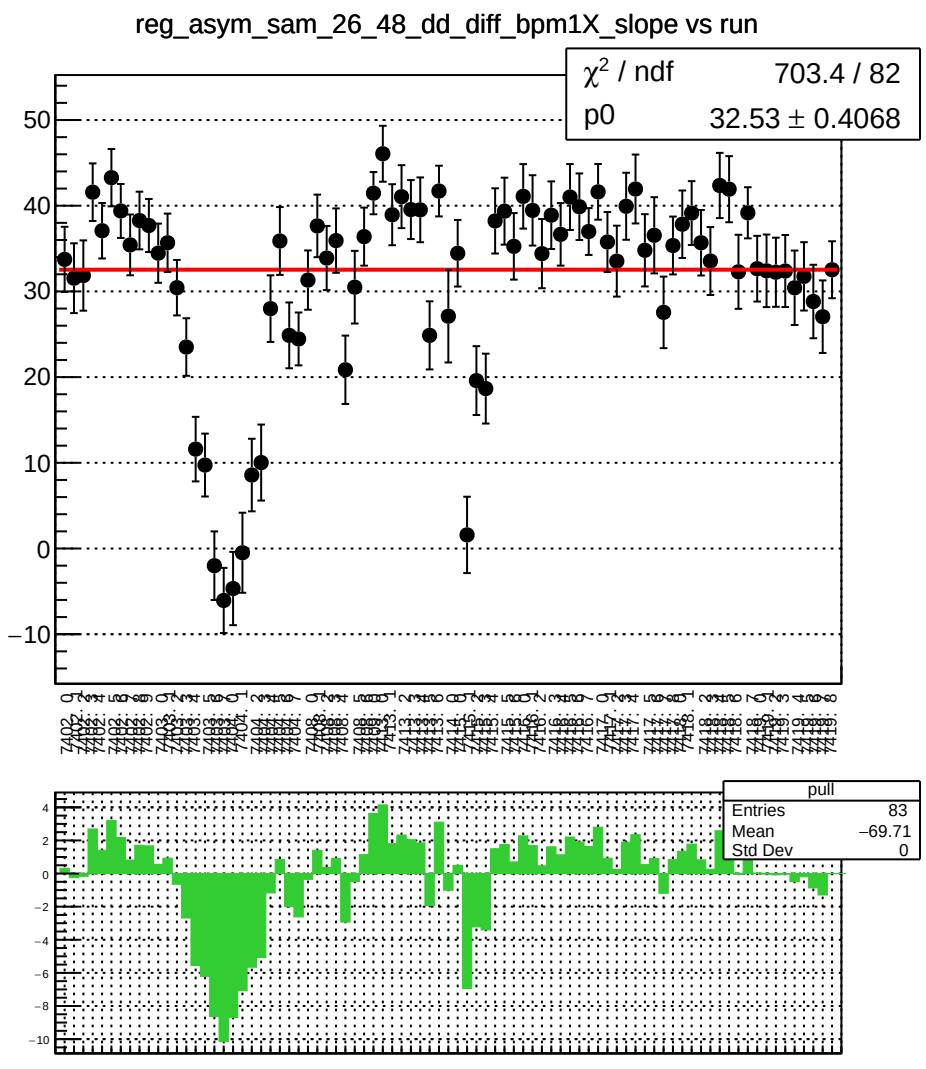

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 117.5 / 82
p0 −43.79 ± 0.6069
−30
−40
−50
−60
−70
pull
Entries 83
Mean 20.15
Std Dev 18.75
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.115
Std Dev 1.184
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

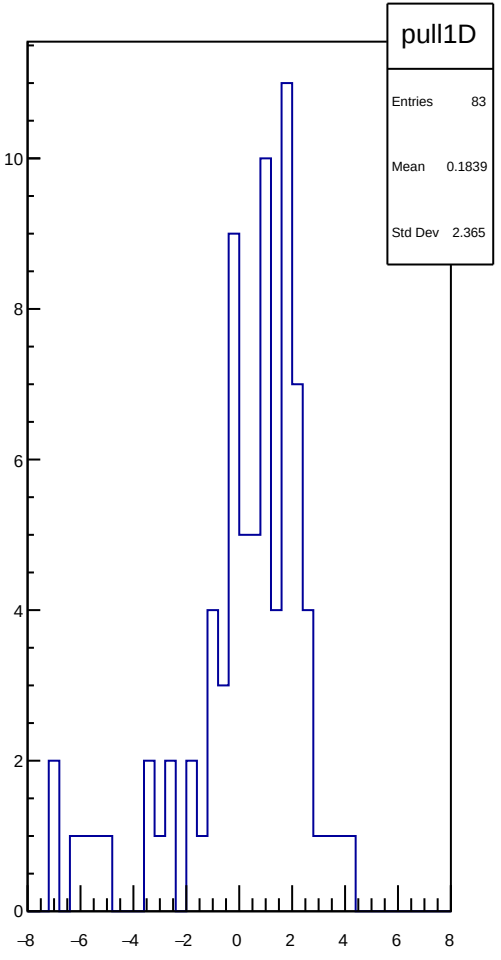

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.87 / 82
p0 −23.5 ± 0.6185
pull
Entries 83
Mean 1271
Std Dev 0

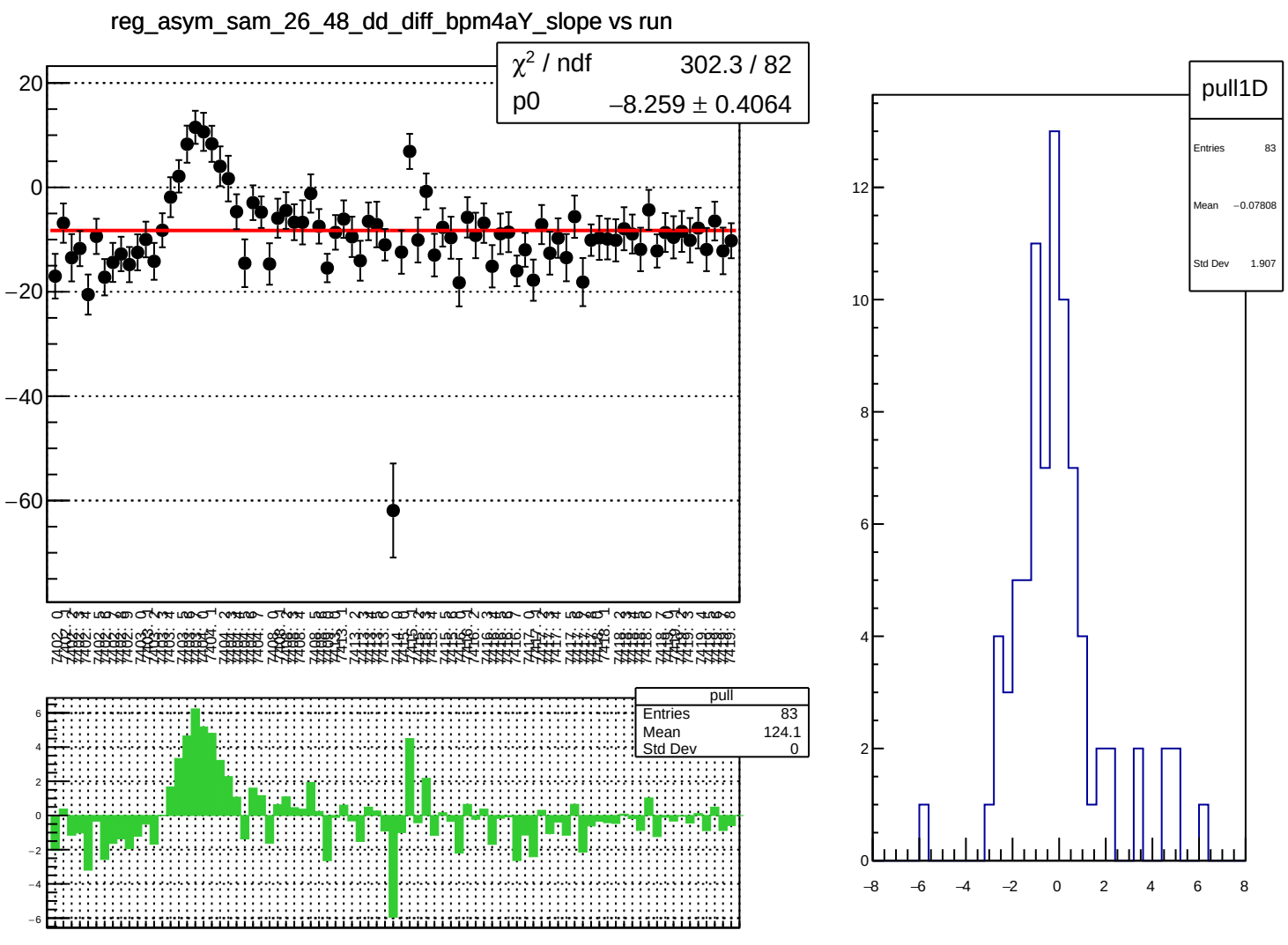

pull1D
Entries 83
Mean 0.007315
Std Dev 0.7434

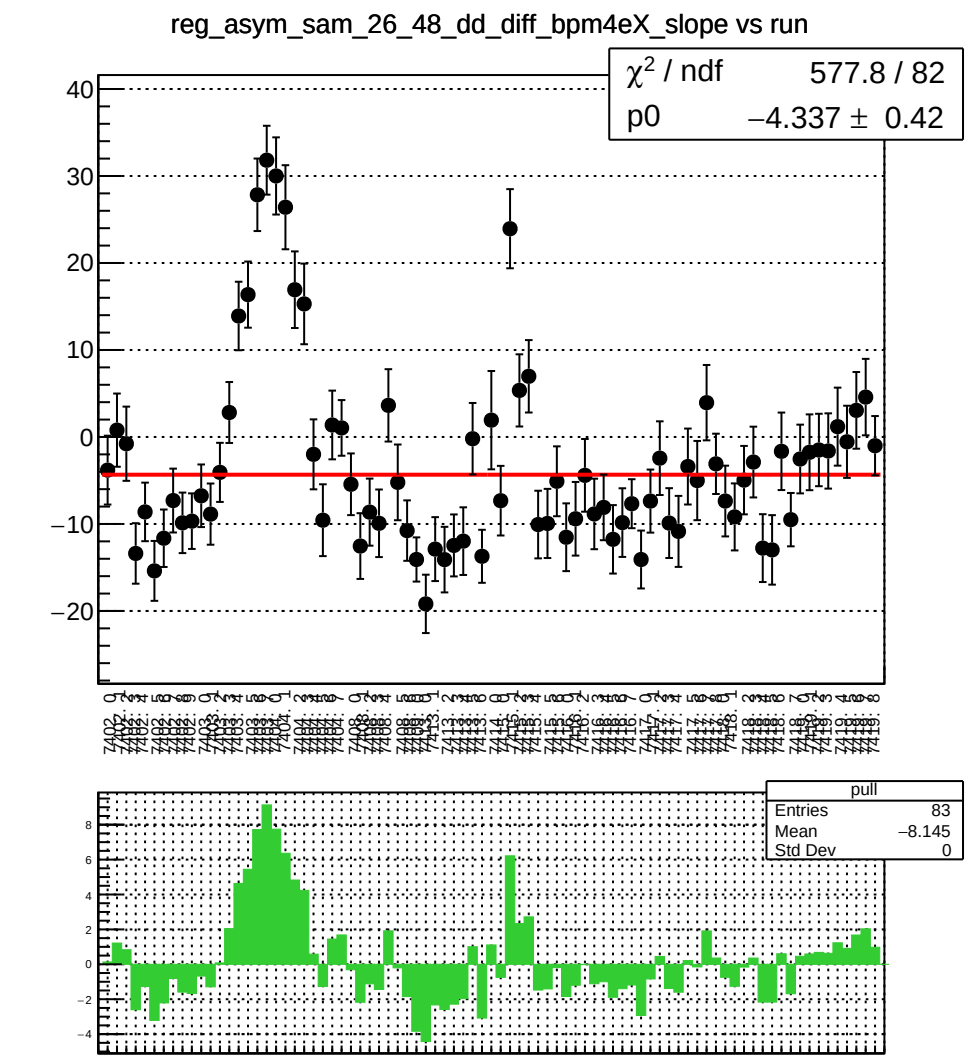

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 10.58 / 82
p0 0.2979 ± 0.02701
pull
Entries 83
Mean 7468
Std Dev 0

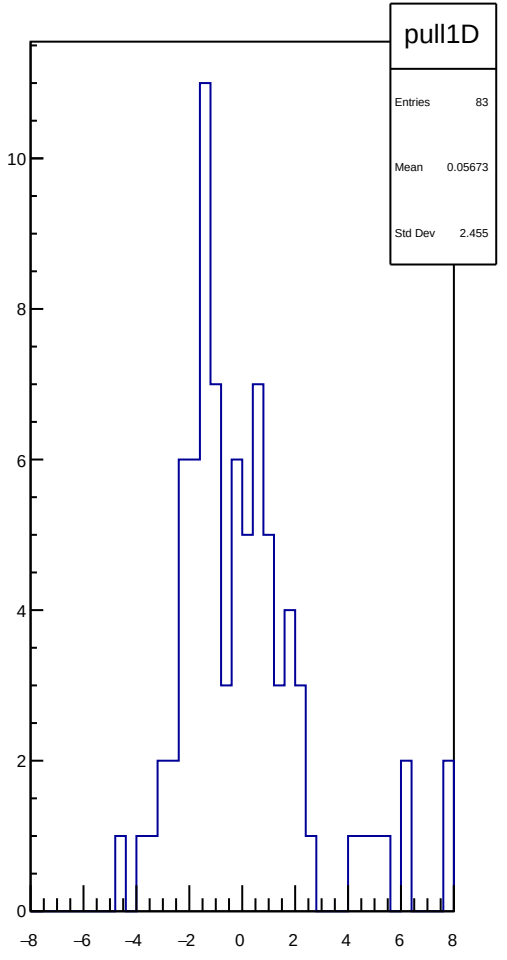

pull1D
Entries 83
Mean 0.0005226
Std Dev 0.357

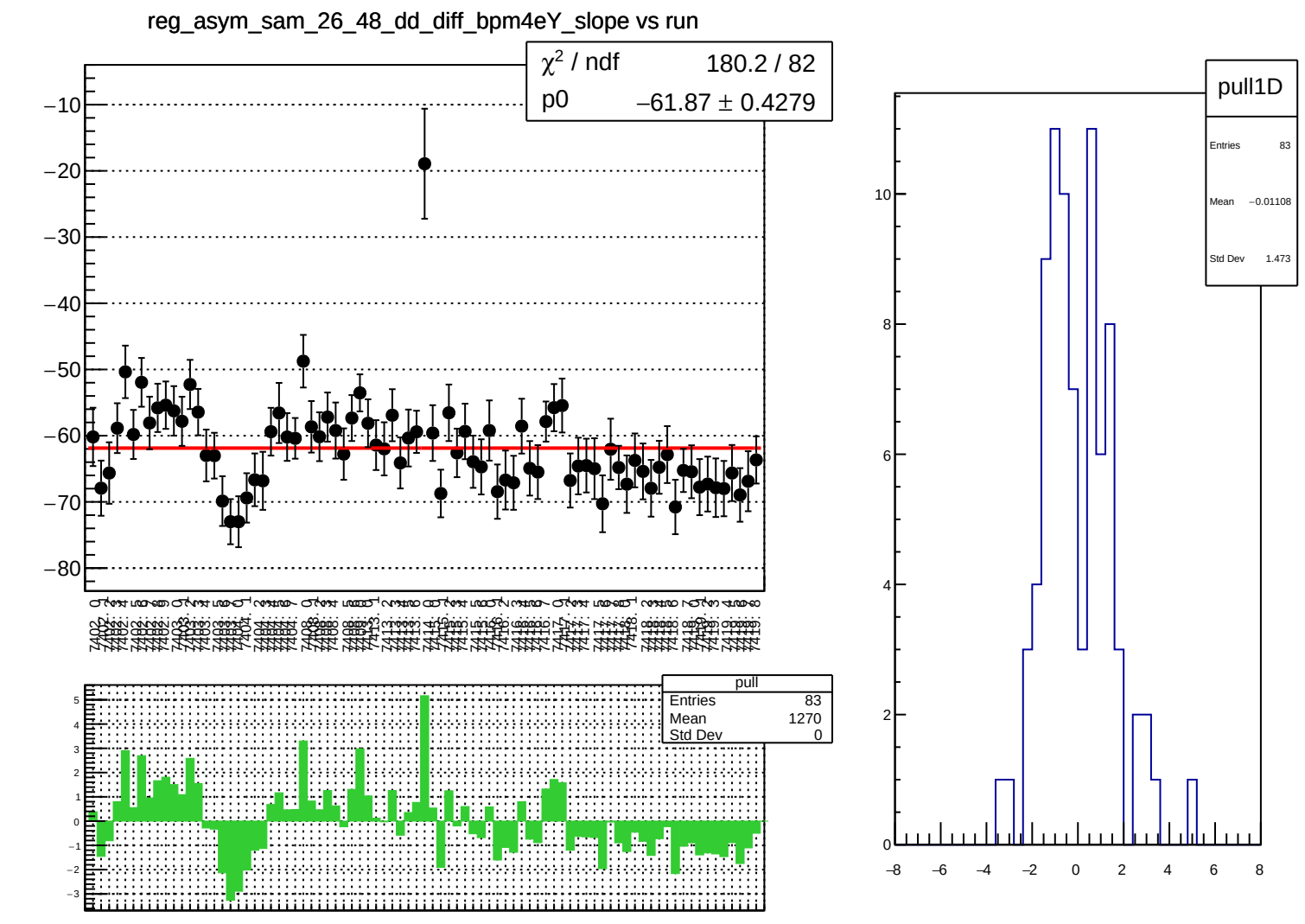

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 703.4 / 82
p0 32.53 ± 0.4068
pull
Entries 83
Mean −69.71
Std Dev 0

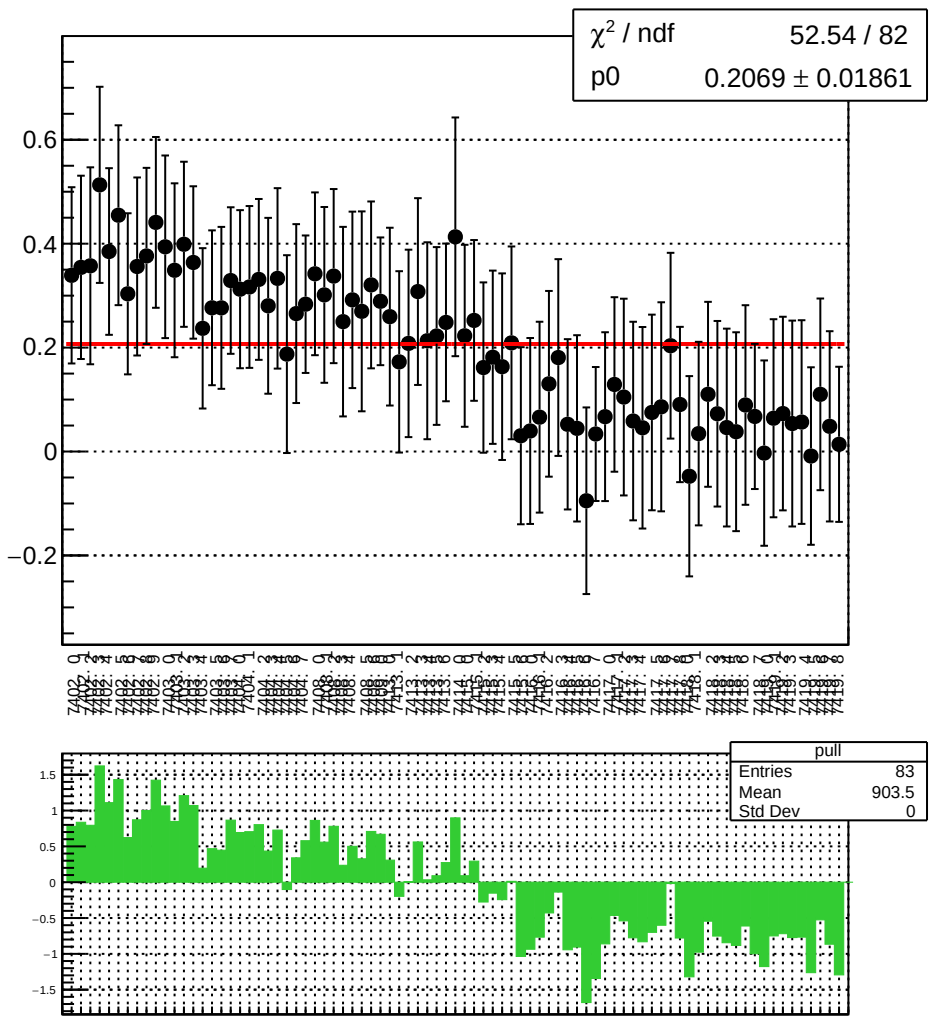

pull1D
Entries 83
Mean 0.1839
Std Dev 2.365

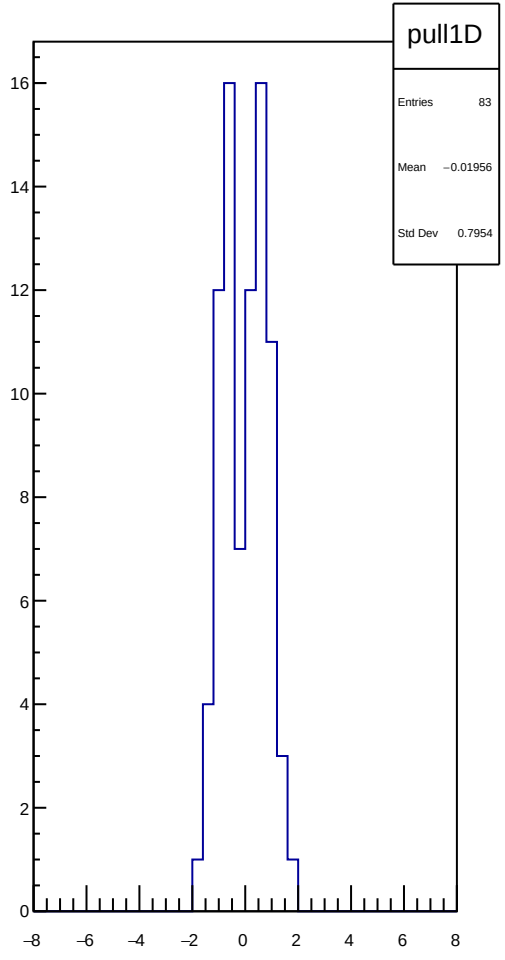

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 302.3 / 82
p0 −8.259 ± 0.4064
20
0
−20
−40
−60
pull
Entries 83
Mean 124.1
Std Dev 0
6
4
2
0
−2
−4
−6
pull1D
Entries 83
Mean −0.07808
Std Dev 1.907
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

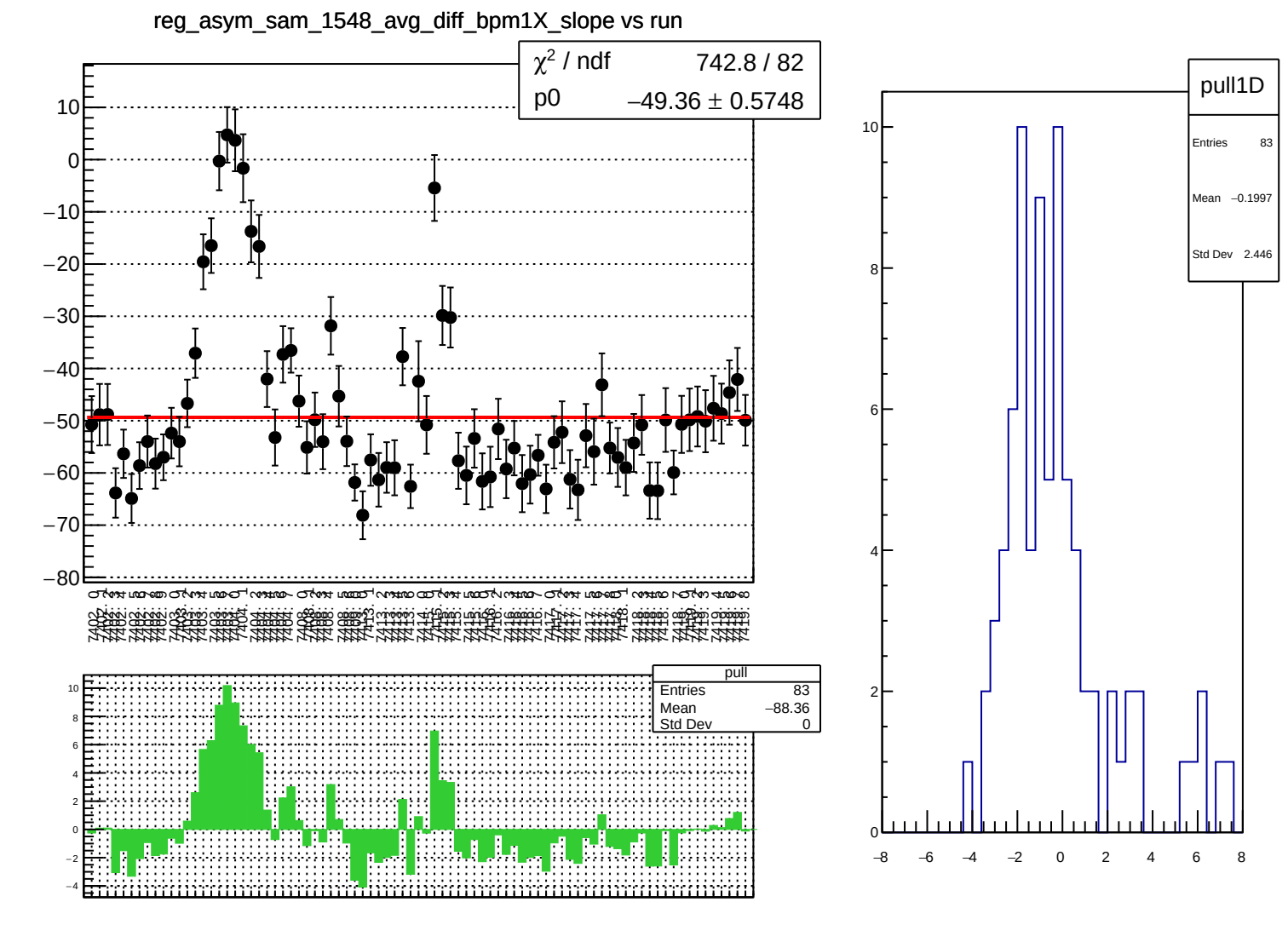

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 577.8 / 82
p0 −4.337 ± 0.42
pull
Entries 83
Mean −8.145
Std Dev 0

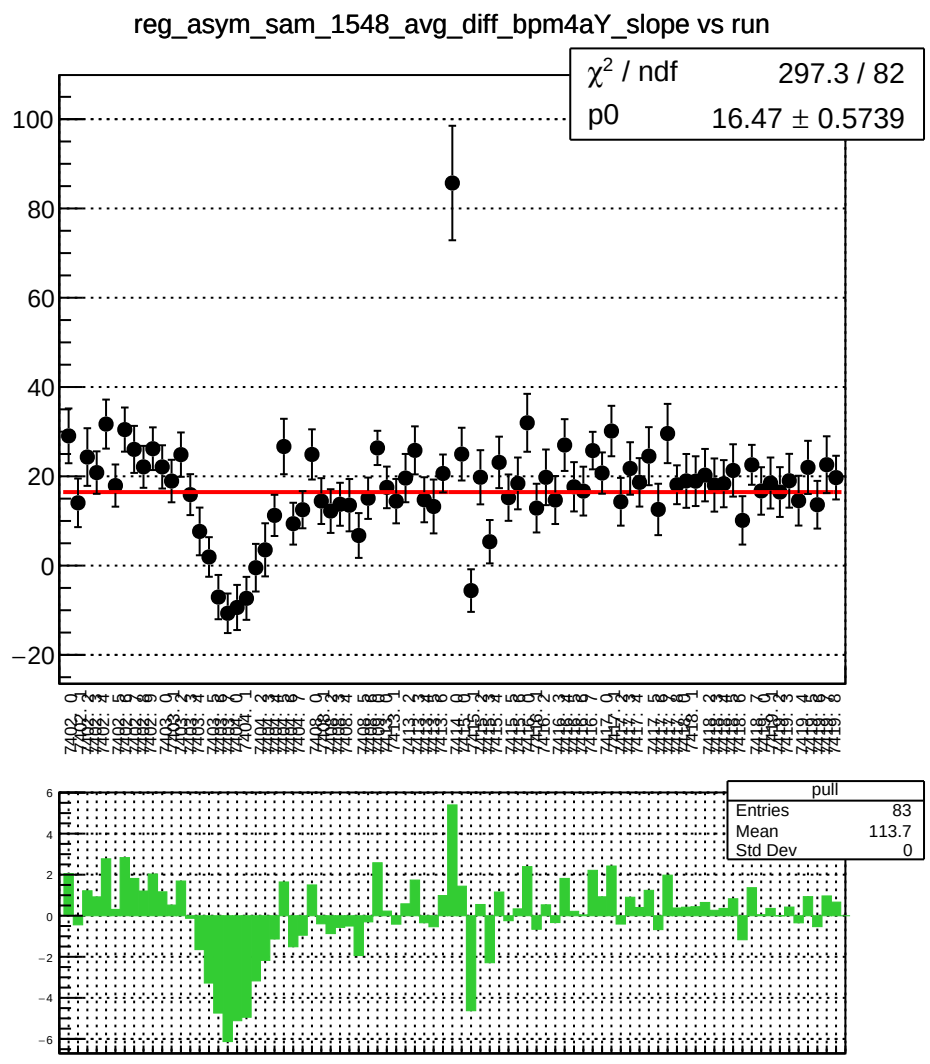

pull1D
Entries 83
Mean 0.05673
Std Dev 2.455

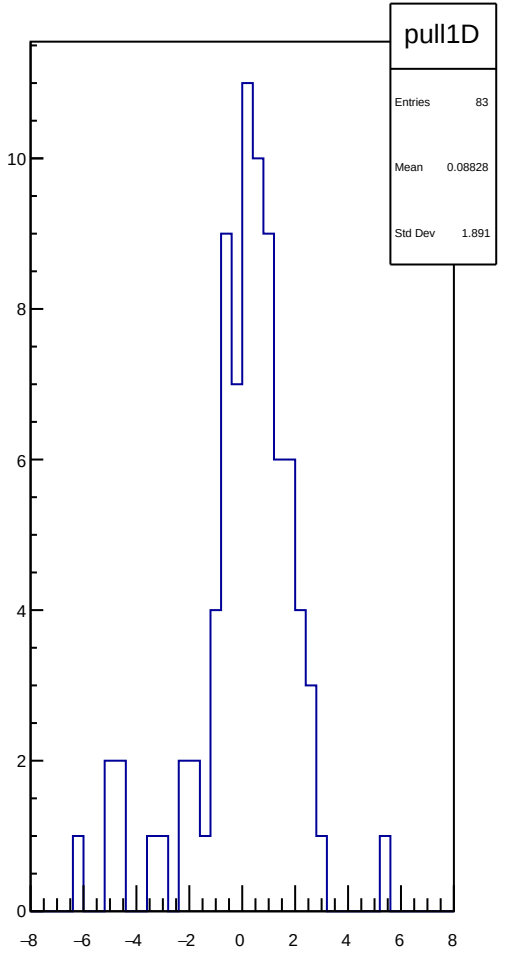

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 180.2 / 82
p0 −61.87 ± 0.4279
pull
Entries 83
Mean 1270
Std Dev 0
pull1D
Entries 83
Mean −0.01108
Std Dev 1.473

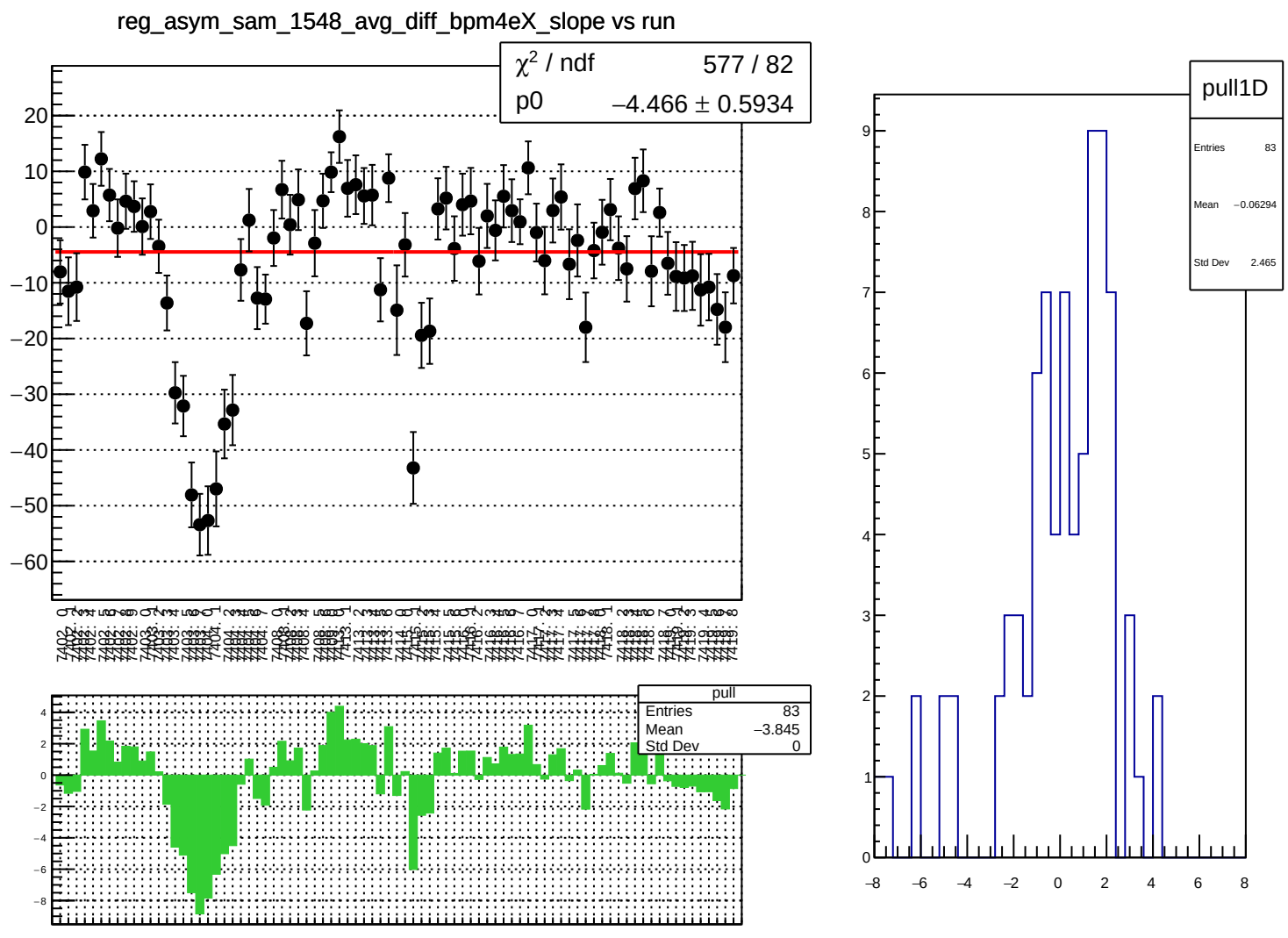

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 52.54 / 82
p0 0.2069 ± 0.01861
0.6
0.4
0.2
0
−0.2
pull
Entries 83
Mean 903.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

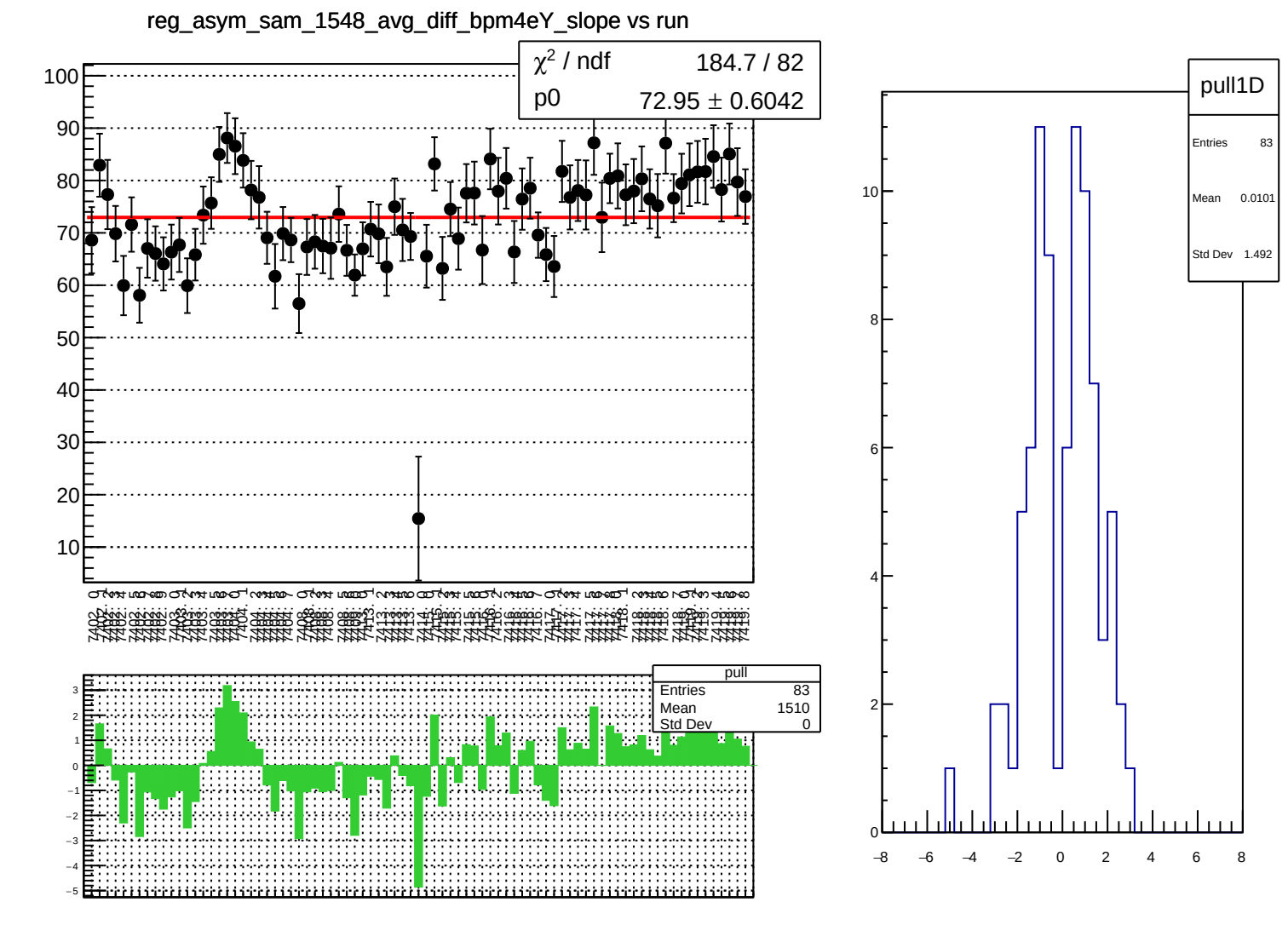

pull1D
Entries 83
Mean −0.01956
Std Dev 0.7954
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

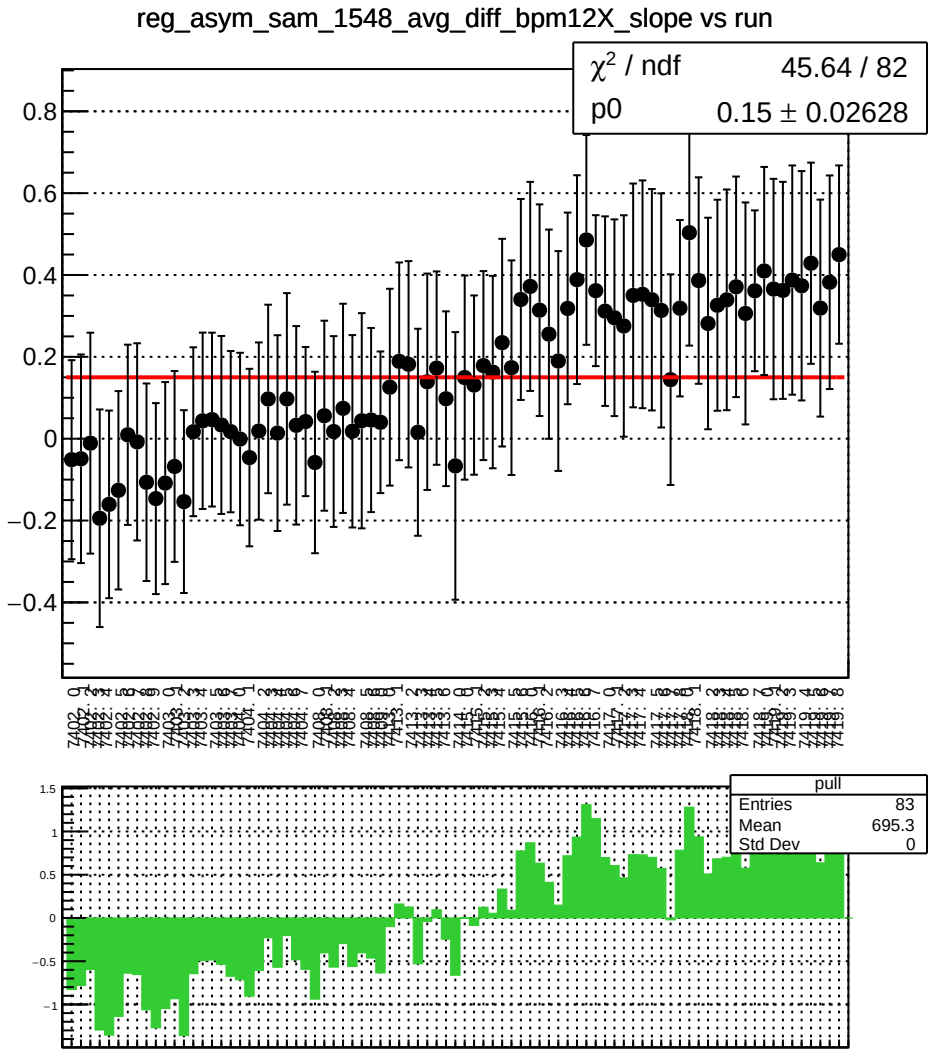

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 742.8 / 82
p0 −49.36 ± 0.5748
pull
Entries 83
Mean −88.36
Std Dev 0
pull1D
Entries 83
Mean −0.1997
Std Dev 2.446

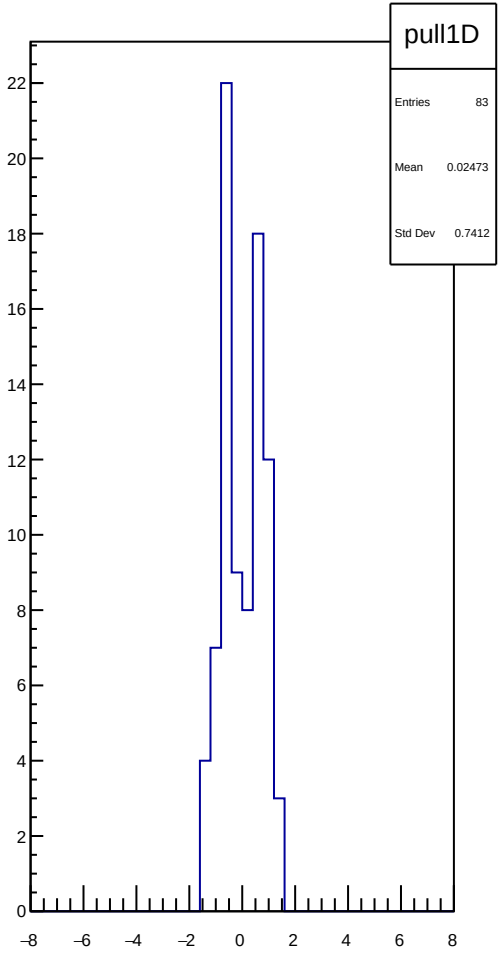

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 297.3 / 82
p0 16.47 ± 0.5739
pull
Entries 83
Mean 113.7
Std Dev 0

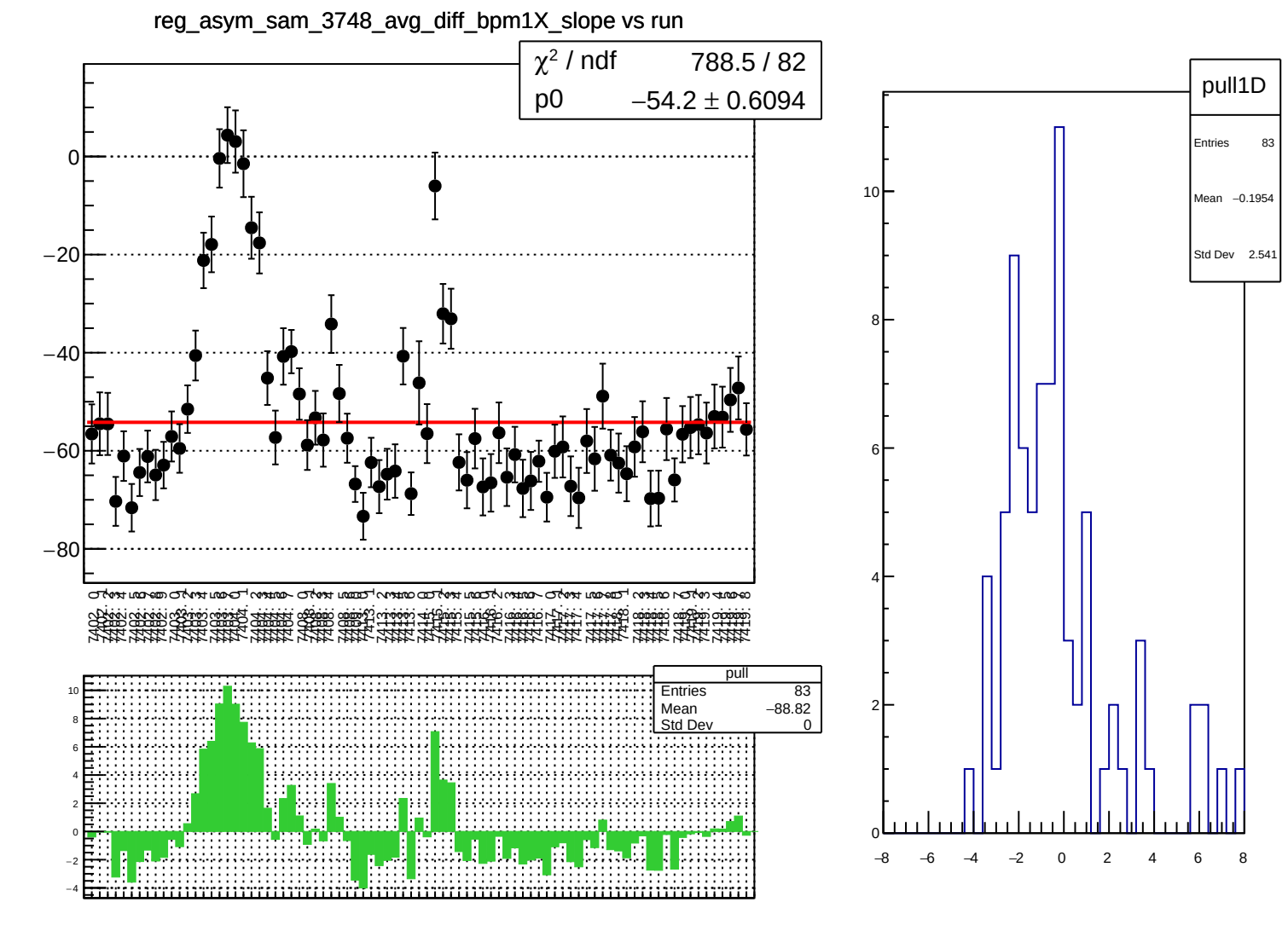

pull1D
Entries 83
Mean 0.08828
Std Dev 1.891

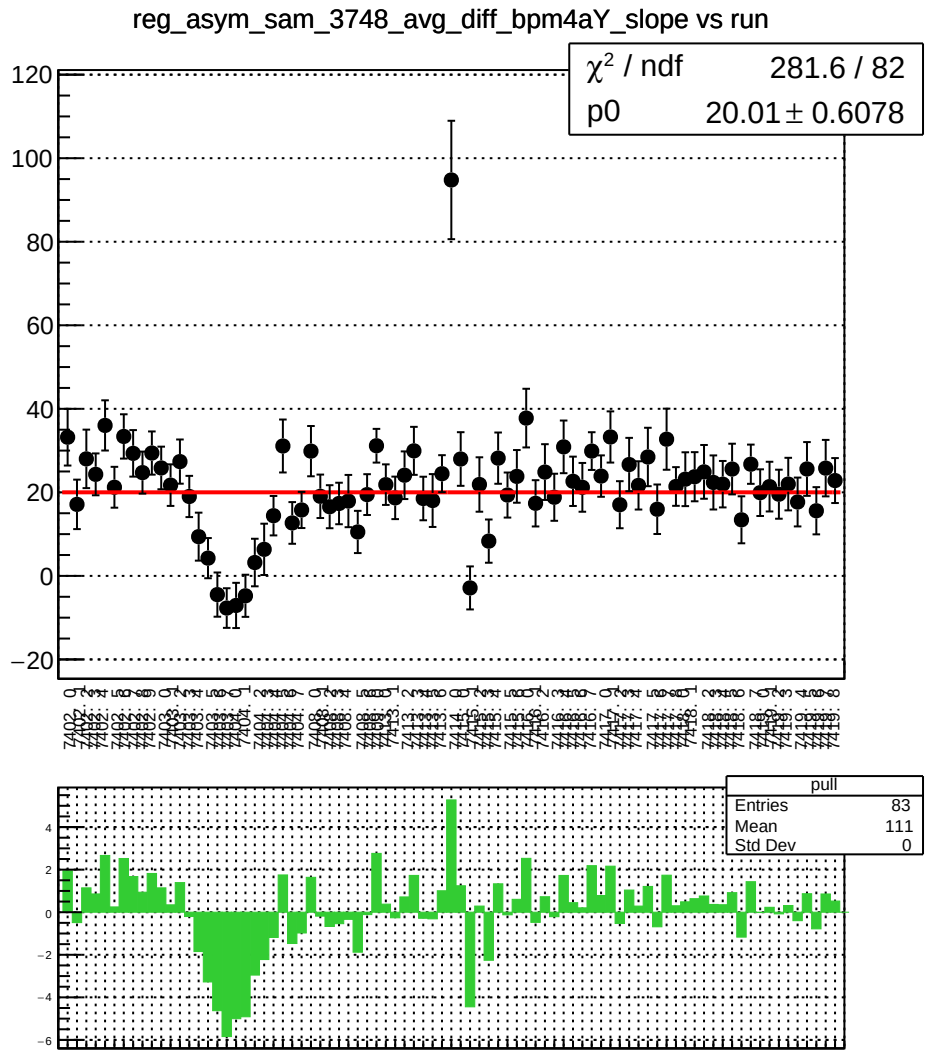

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 577 / 82
p0 −4.466 ± 0.5934
pull
Entries 83
Mean −3.845
Std Dev 0
pull1D
Entries 83
Mean −0.06294
Std Dev 2.465

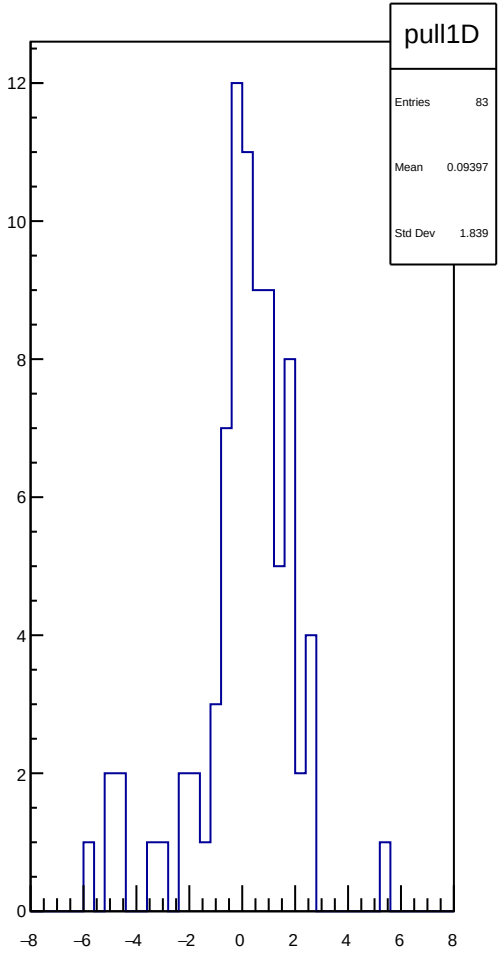

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 184.7 / 82
p0 72.95 ± 0.6042
pull
Entries 83
Mean 1510
Std Dev 0
pull1D
Entries 83
Mean 0.0101
Std Dev 1.492

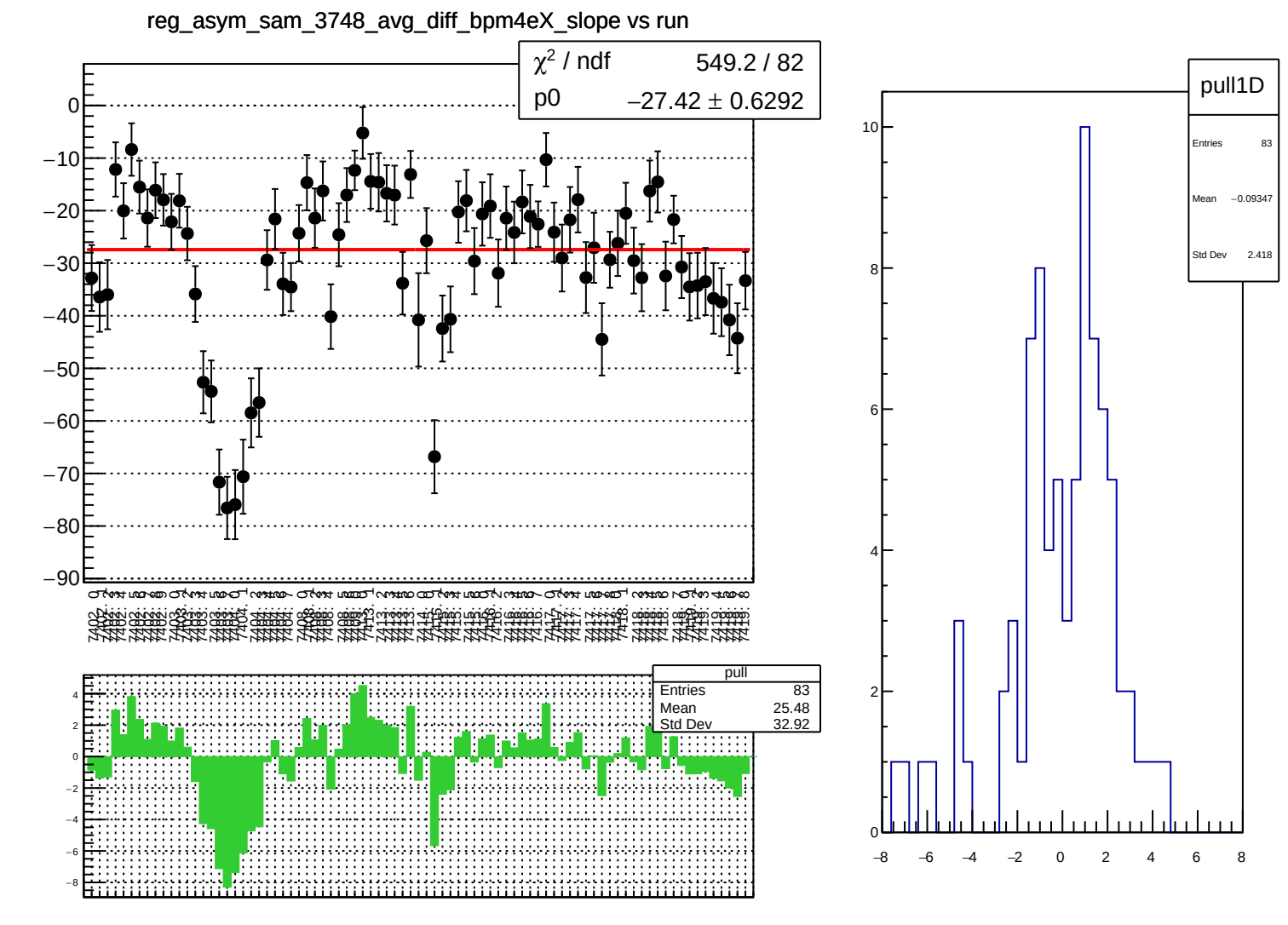

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 45.64 / 82
p0 0.15 ± 0.02628
pull
Entries 83
Mean 695.3
Std Dev 0

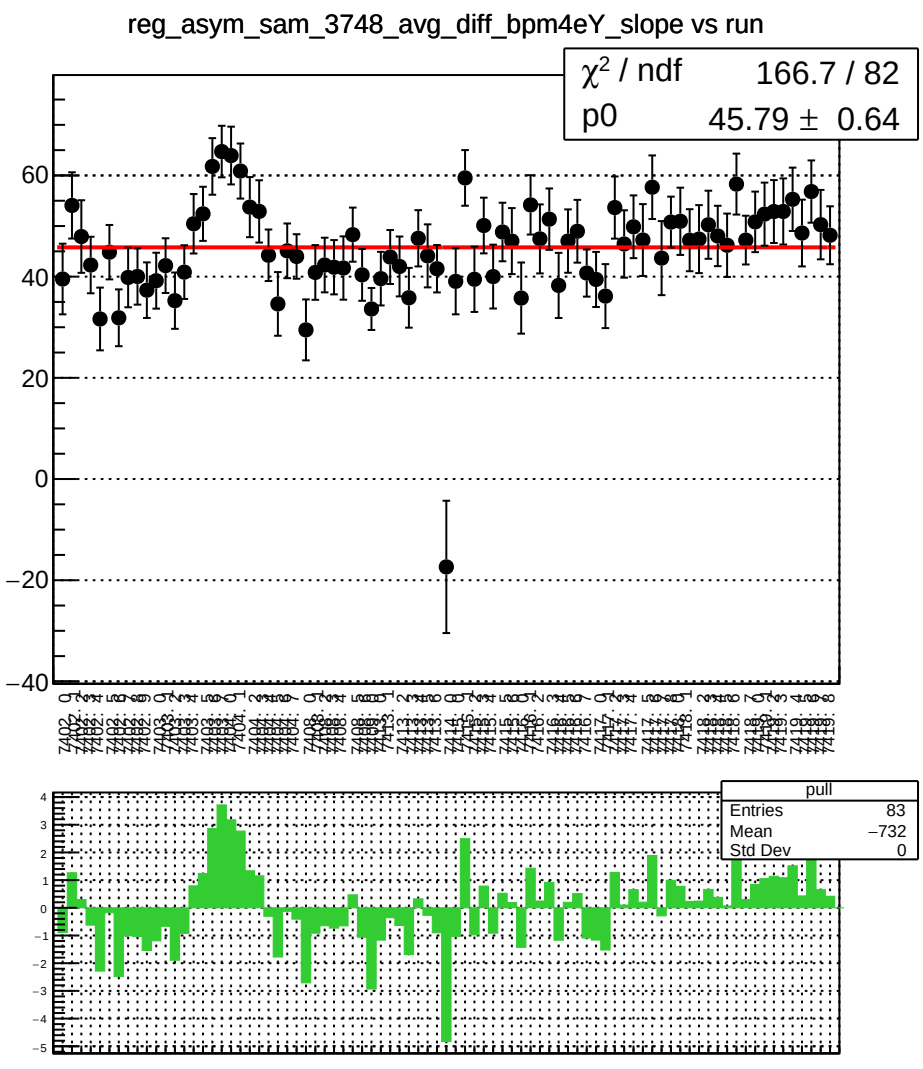

pull1D
Entries 83
Mean 0.02473
Std Dev 0.7412

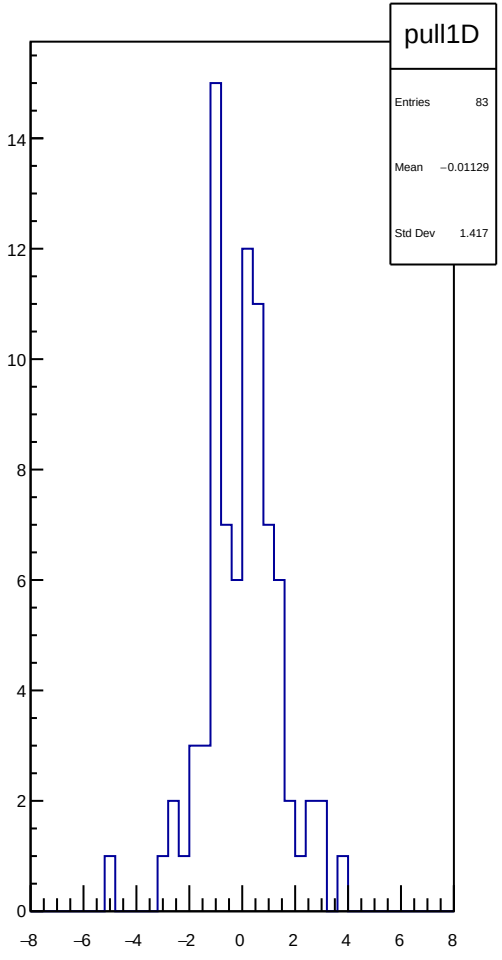

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 788.5 / 82
p0 −54.2 ± 0.6094
0
−20
−40
−60
−80
pull
Entries 83
Mean −88.82
Std Dev 0
pull1D
Entries 83
Mean −0.1954
Std Dev 2.541

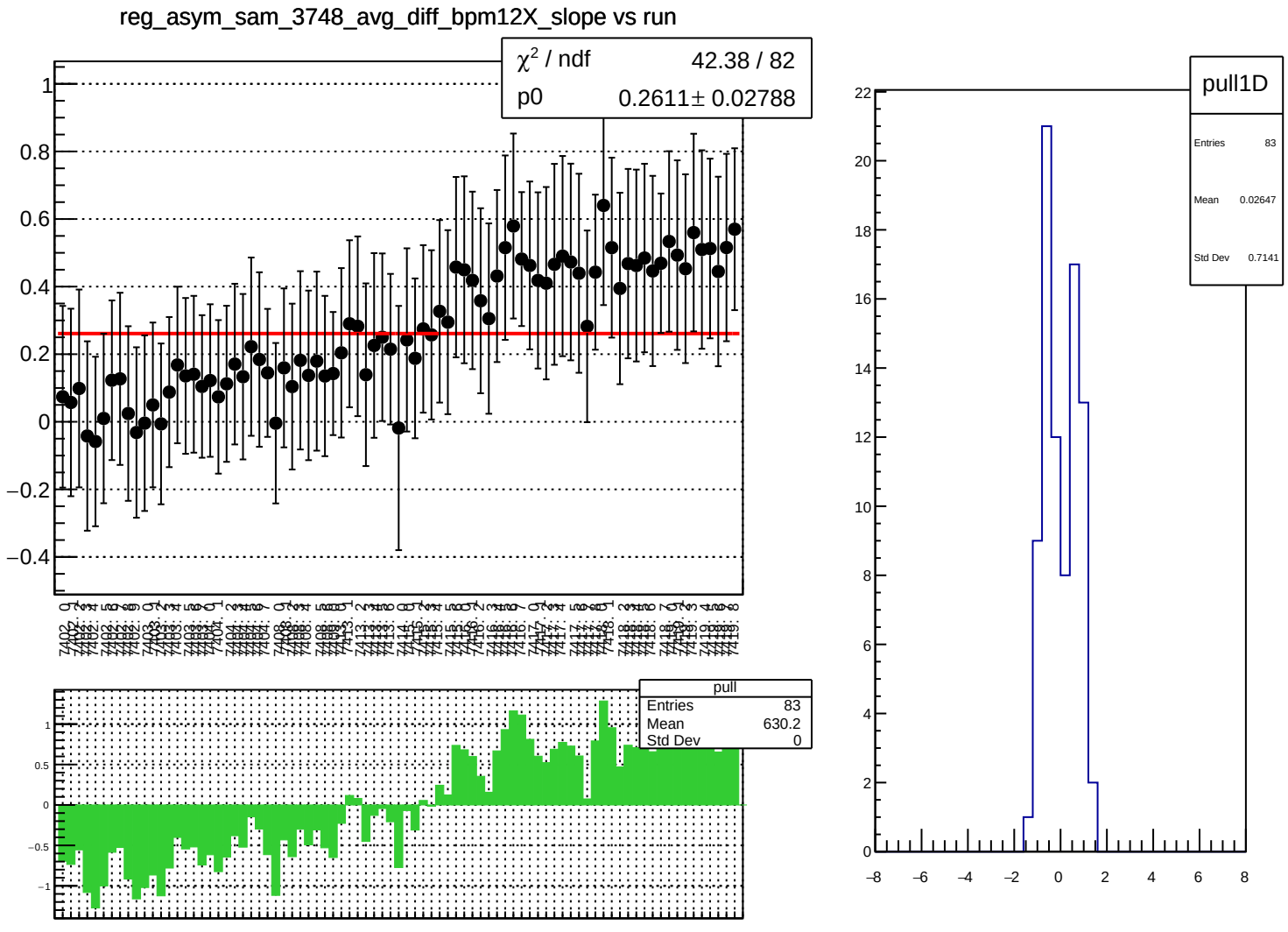

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 281.6 / 82
p0 20.01 ± 0.6078
pull
Entries 83
Mean 111
Std Dev 0

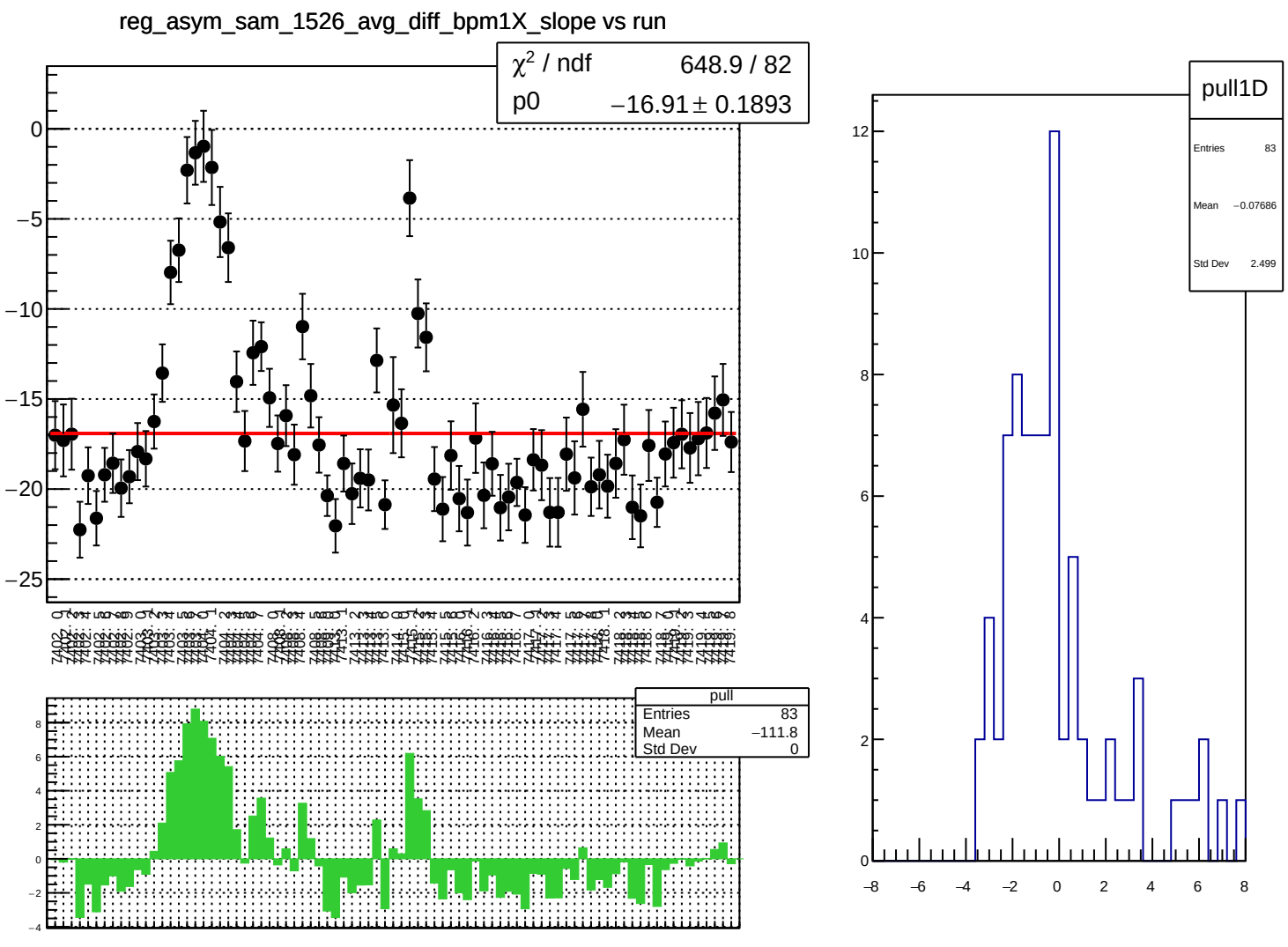

pull1D
Entries 83
Mean 0.09397
Std Dev 1.839

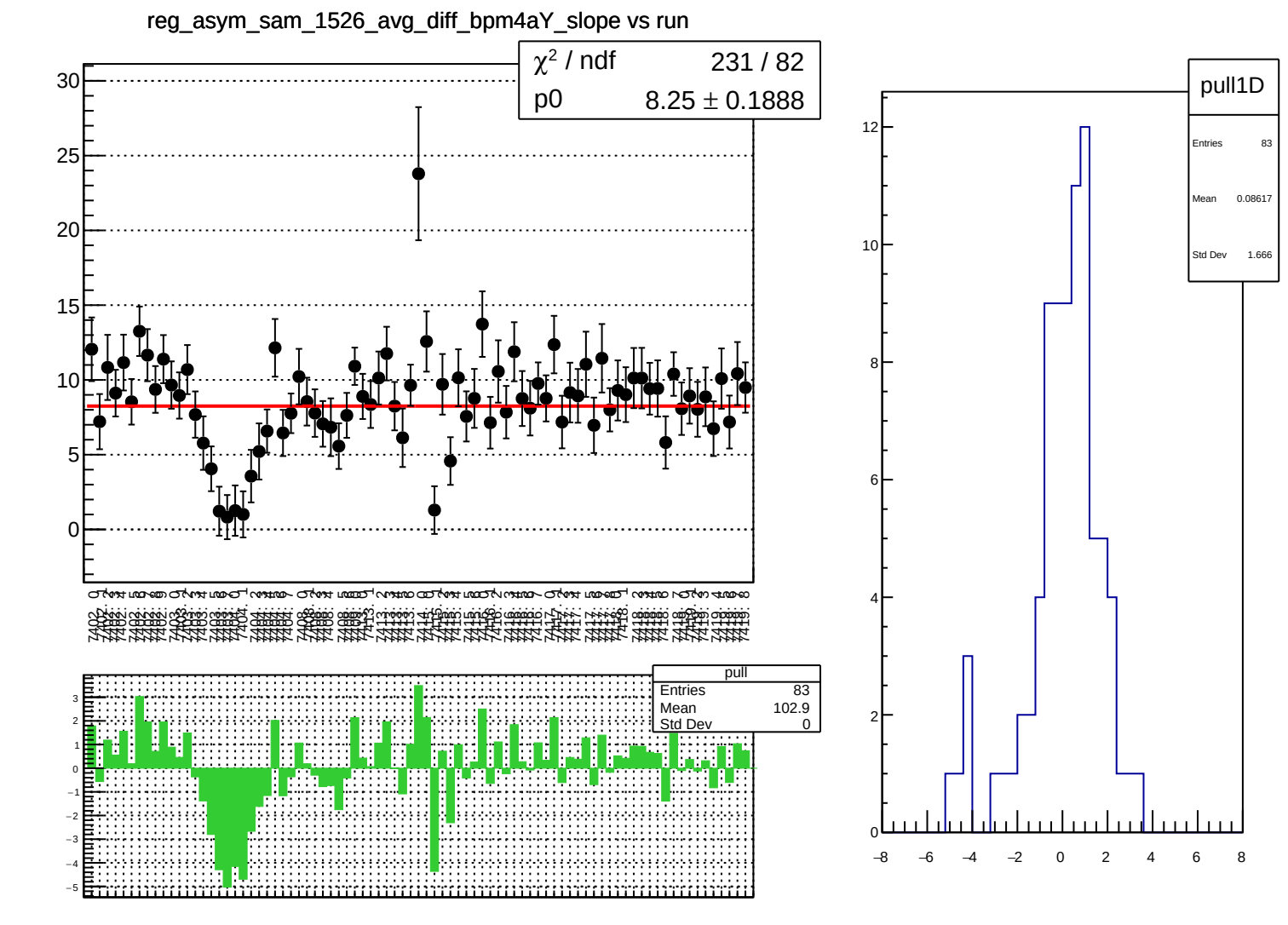

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 549.2 / 82
p0 −27.42 ± 0.6292
pull
Entries 83
Mean 25.48
Std Dev 32.92
pull1D
Entries 83
Mean −0.09347
Std Dev 2.418

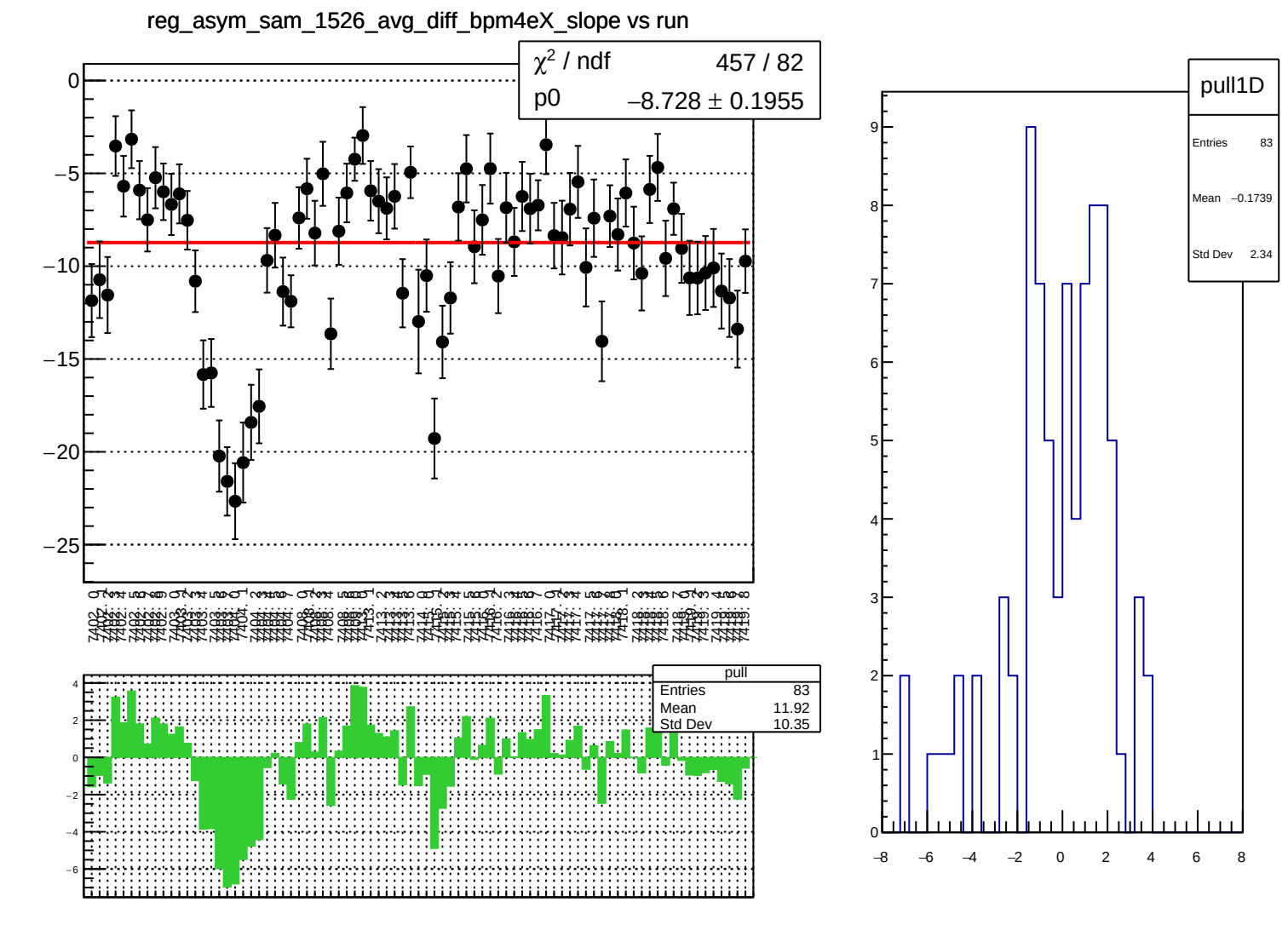

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 166.7 / 82
p0 45.79 ± 0.64
pull
Entries 83
Mean −732
Std Dev 0

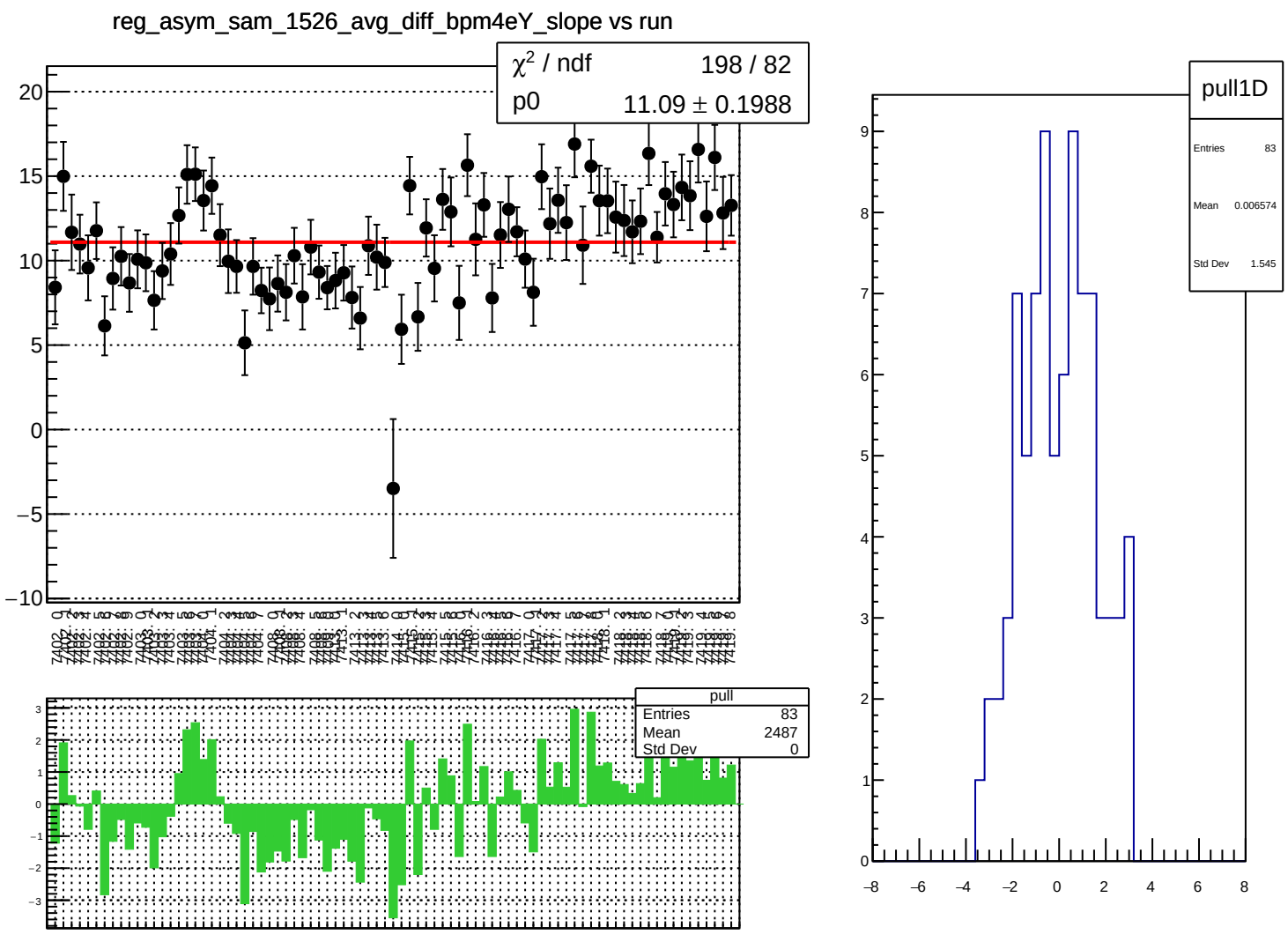

pull1D
Entries 83
Mean −0.01129
Std Dev 1.417

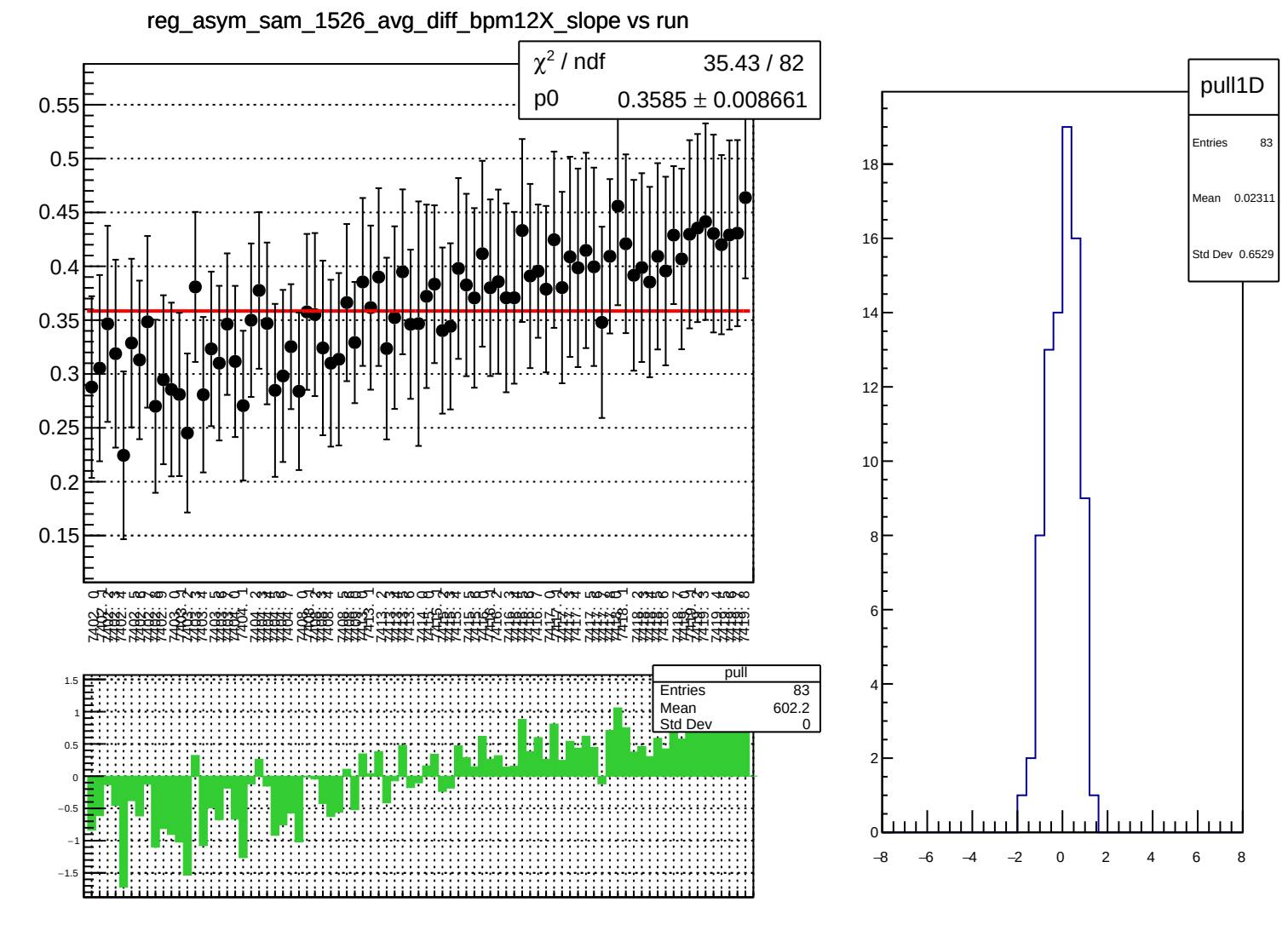

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 42.38 / 82
p0 0.2611± 0.02788
pull
Entries 83
Mean 630.2
Std Dev 0
pull1D
Entries 83
Mean 0.02647
Std Dev 0.7141

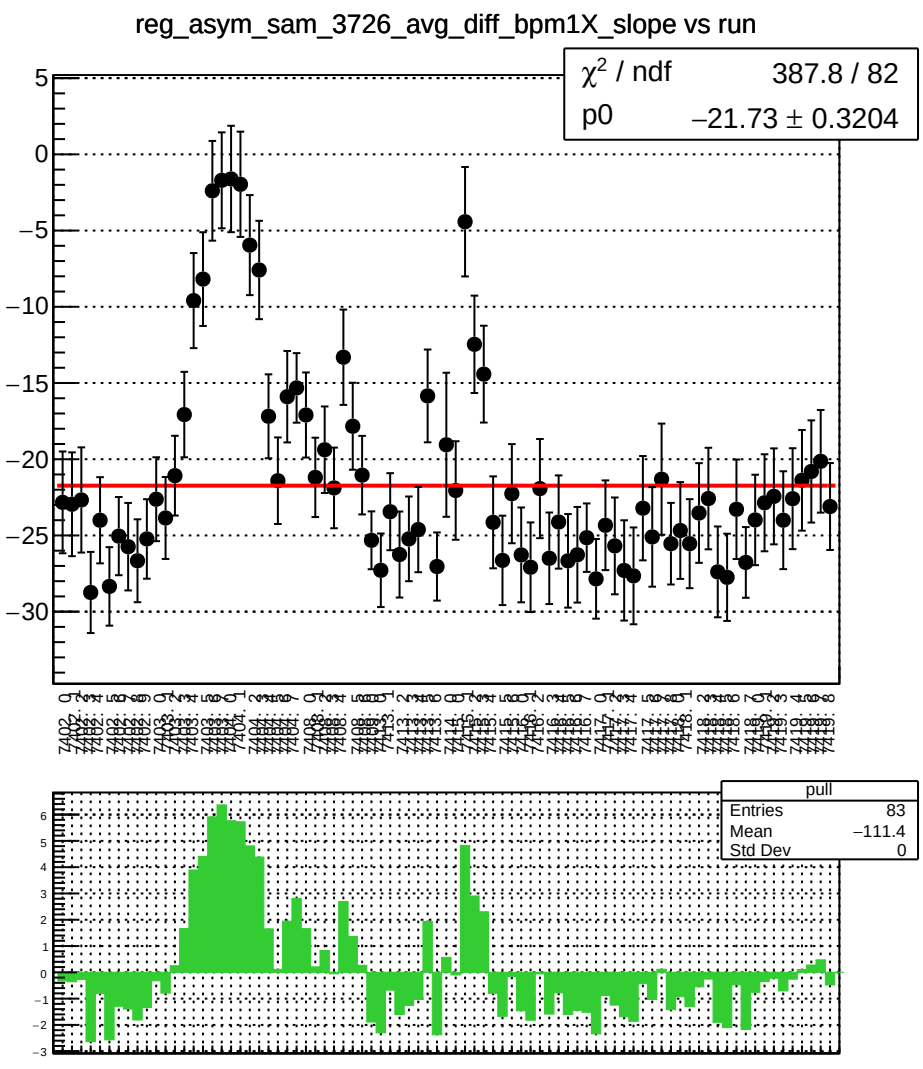

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 648.9 / 82
p0 −16.91 ± 0.1893
pull
Entries 83
Mean −111.8
Std Dev 0
pull1D
Entries 83
Mean −0.07686
Std Dev 2.499

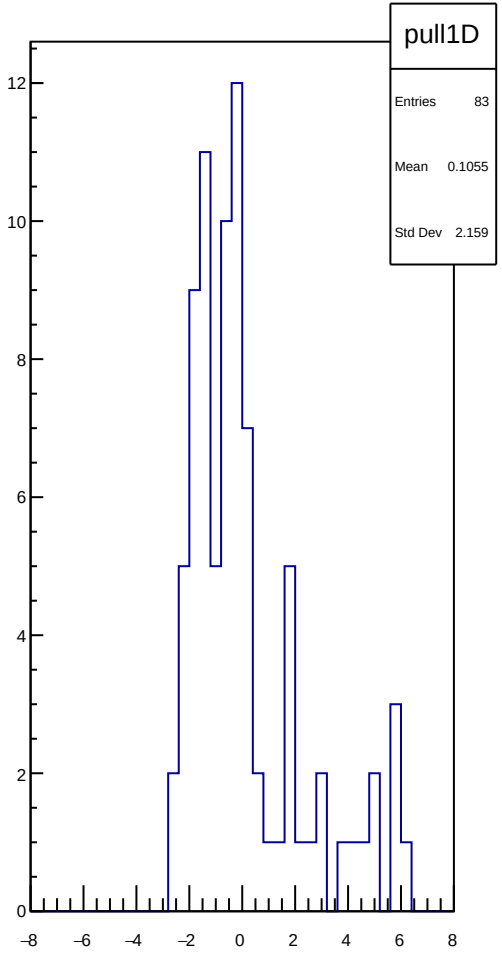

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 231 / 82
p0 8.25 ± 0.1888
pull
Entries 83
Mean 102.9
Std Dev 0
pull1D
Entries 83
Mean 0.08617
Std Dev 1.666

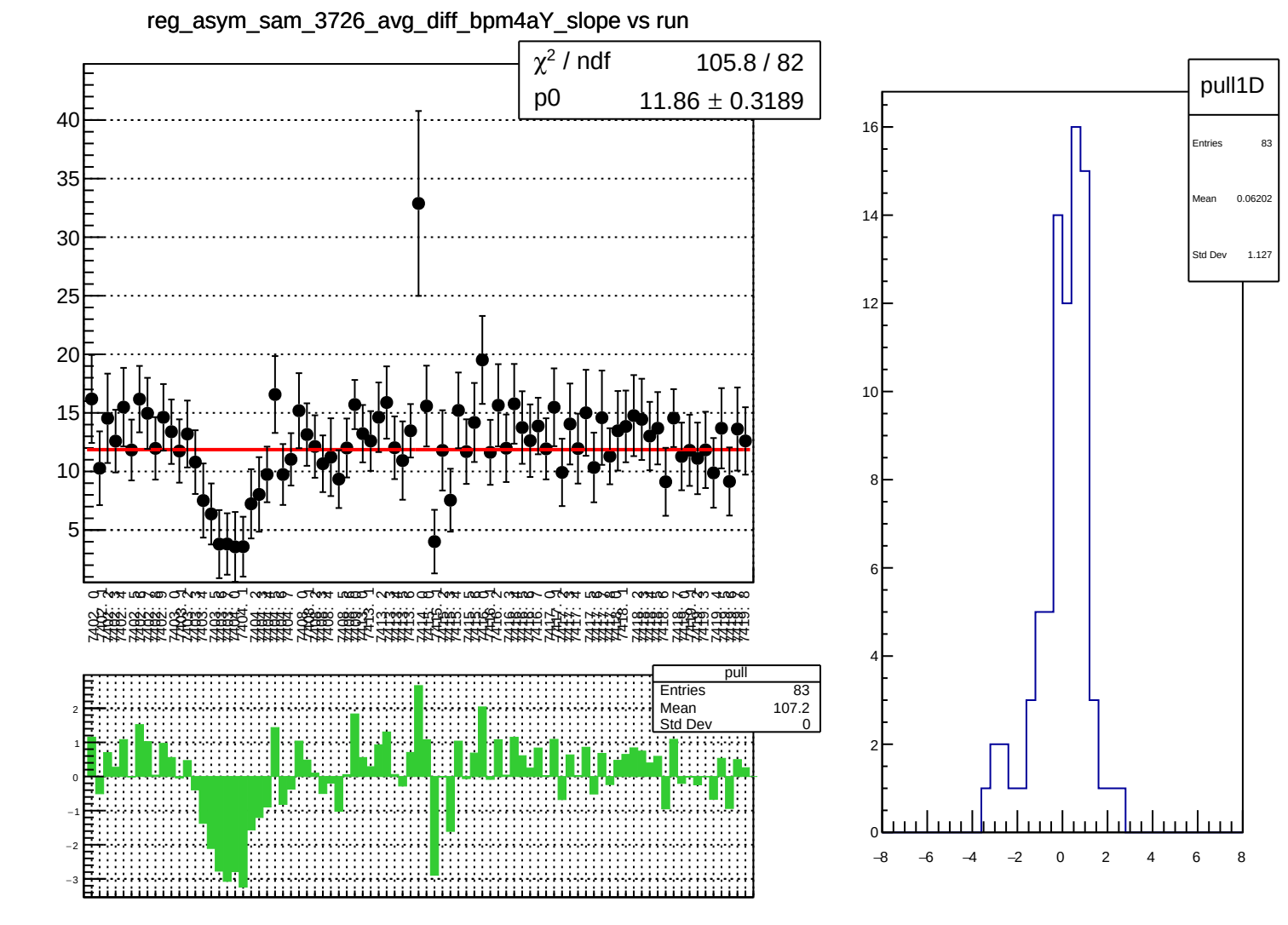

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 457 / 82
p0 −8.728 ± 0.1955
pull
Entries 83
Mean 11.92
Std Dev 10.35
pull1D
Entries 83
Mean −0.1739
Std Dev 2.34

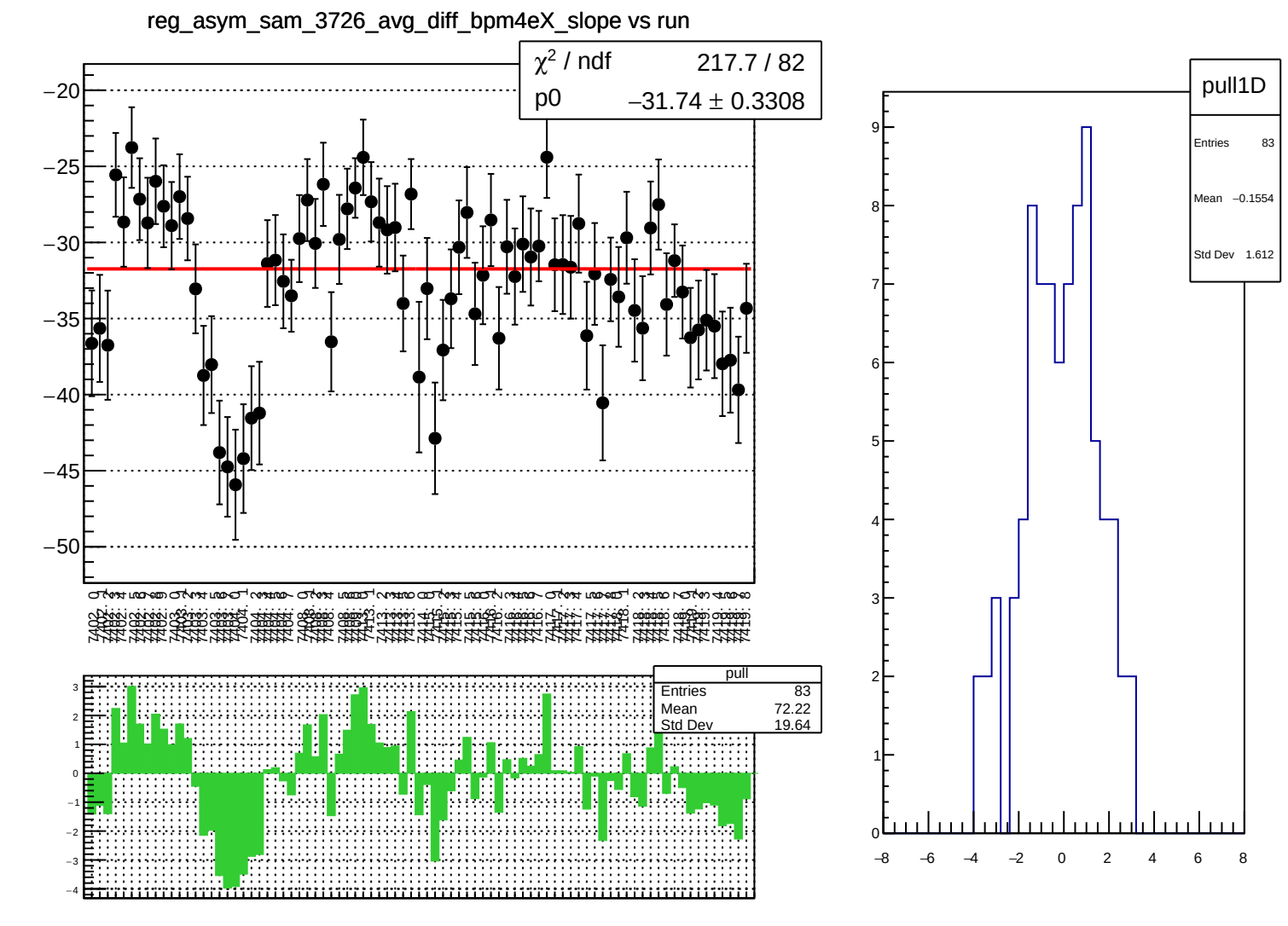

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 198 / 82
p0 11.09 ± 0.1988
pull
Entries 83
Mean 2487
Std Dev 0
pull1D
Entries 83
Mean 0.006574
Std Dev 1.545

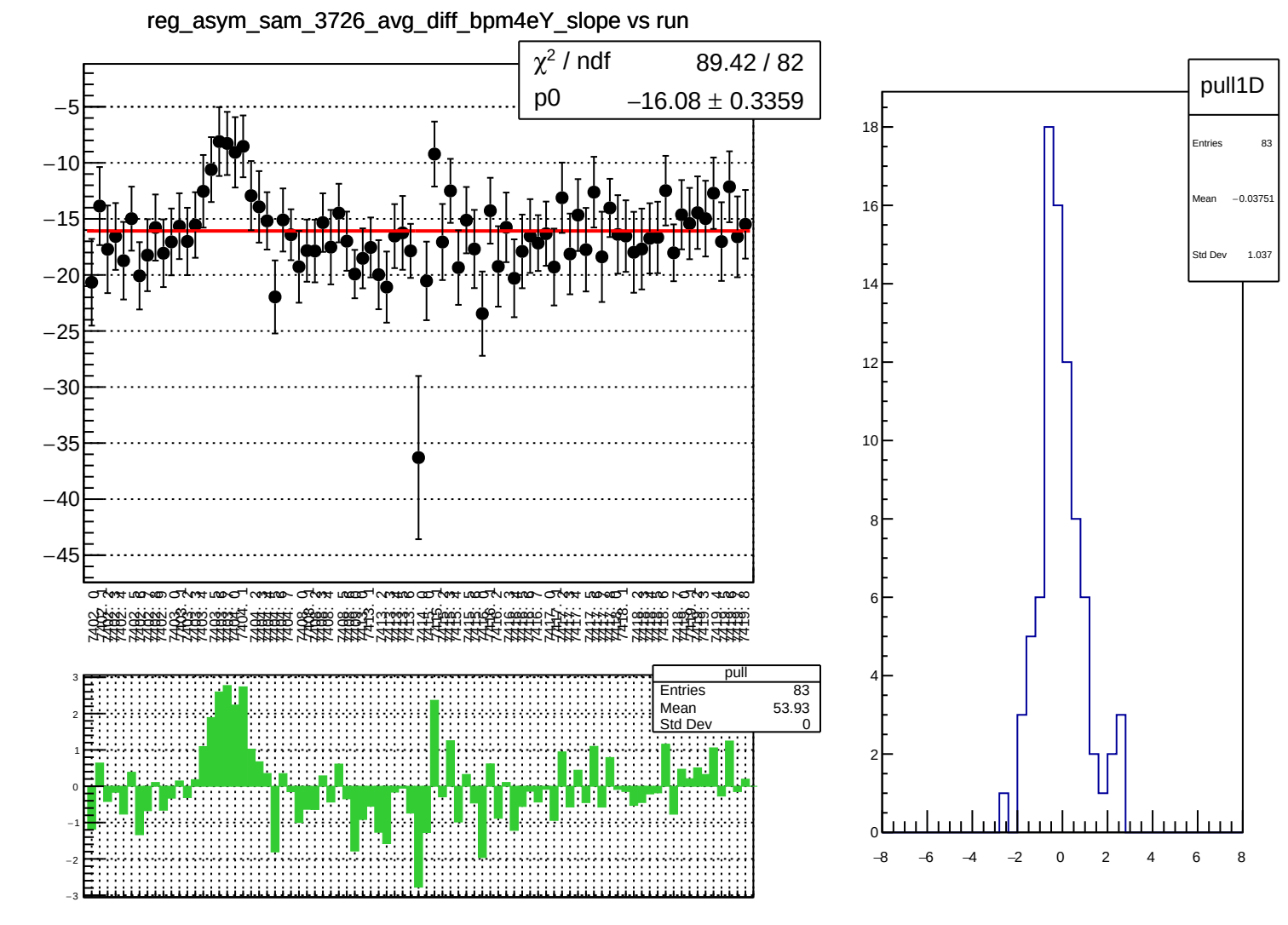

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 35.43 / 82
p0 0.3585 ± 0.008661
pull
Entries 83
Mean 602.2
Std Dev 0
pull1D
Entries 83
Mean 0.02311
Std Dev 0.6529

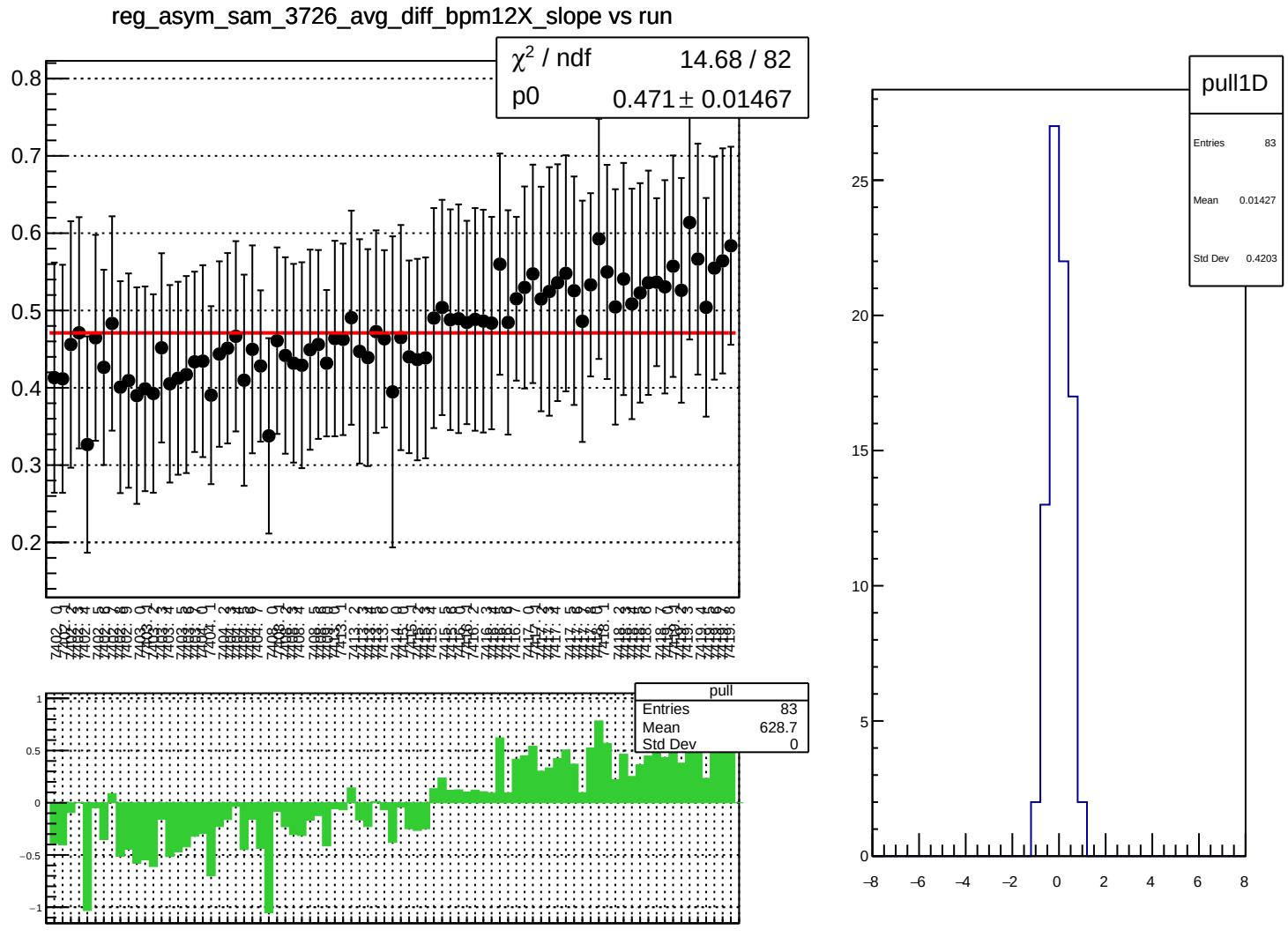

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 387.8 / 82
p0 −21.73 ± 0.3204
pull
Entries 83
Mean −111.4
Std Dev 0

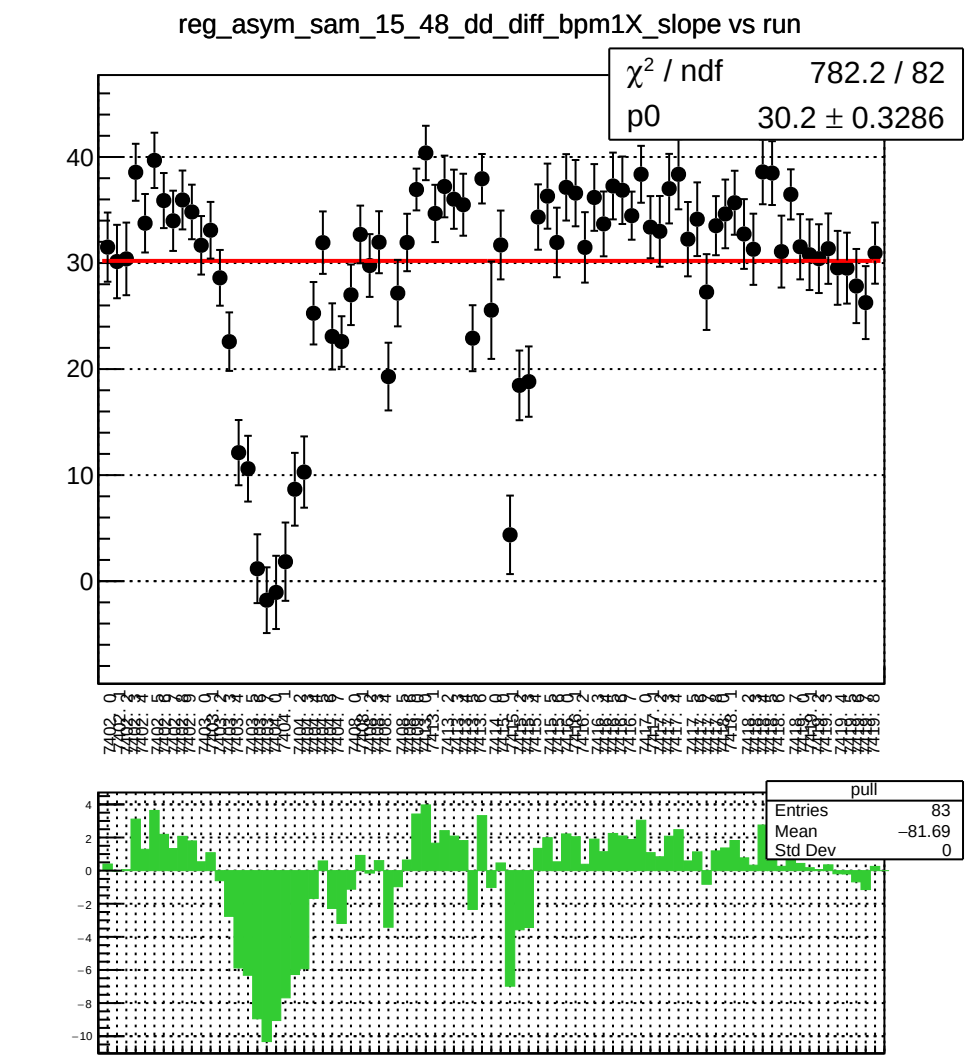

pull1D
Entries 83
Mean 0.1055
Std Dev 2.159

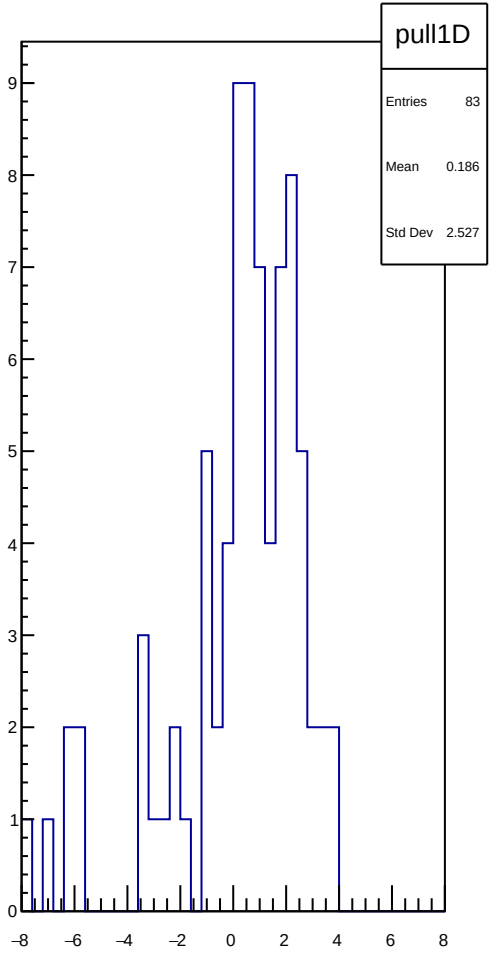

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.8 / 82
p0 11.86 ± 0.3189
pull
Entries 83
Mean 107.2
Std Dev 0
pull1D
Entries 83
Mean 0.06202
Std Dev 1.127

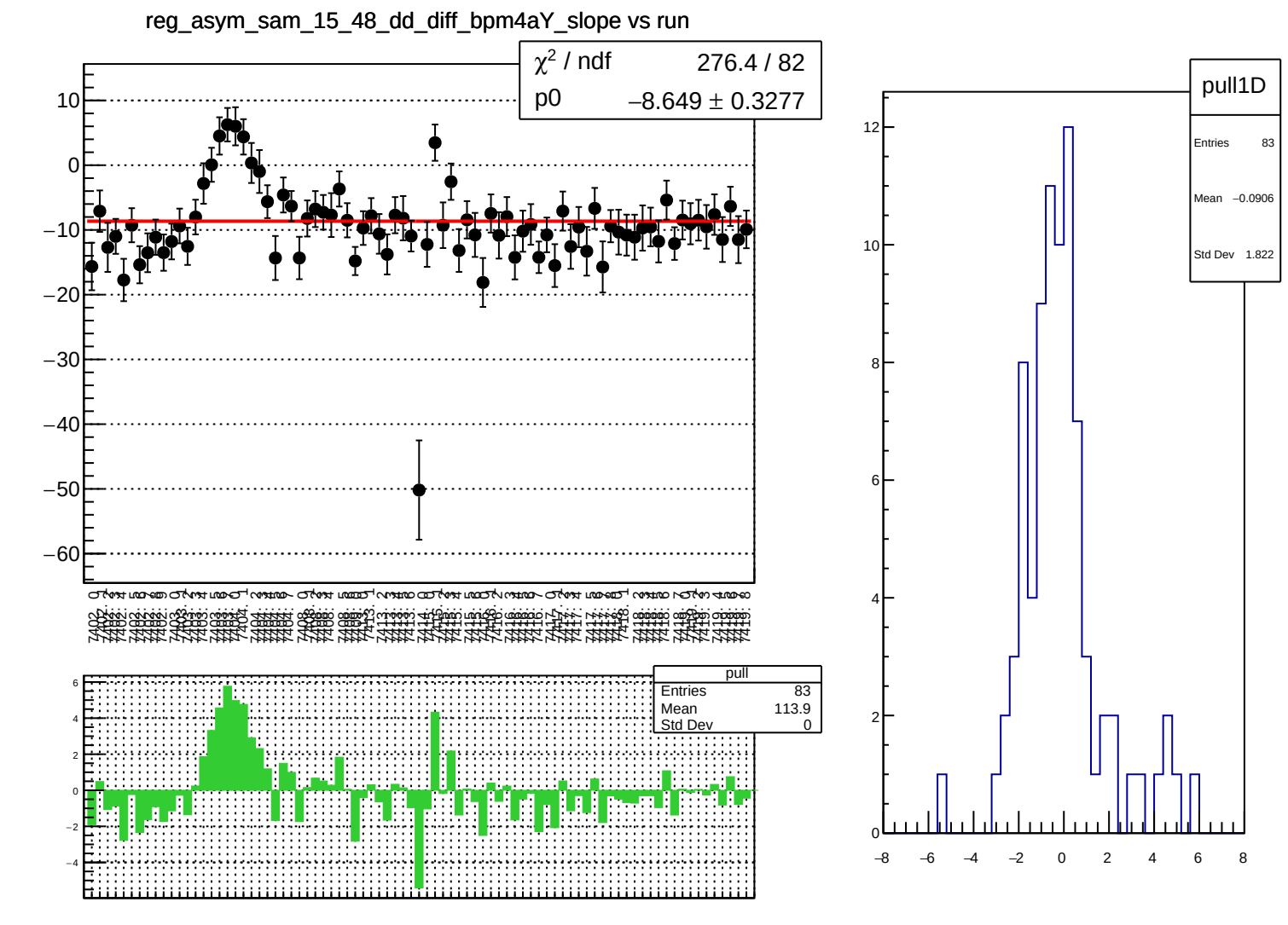

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 217.7 / 82
p0 −31.74 ± 0.3308
−20
−25
−30
−35
−40
−45
−50
pull
Entries 83
Mean 72.22
Std Dev 19.64
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 83
Mean −0.1554
Std Dev 1.612
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

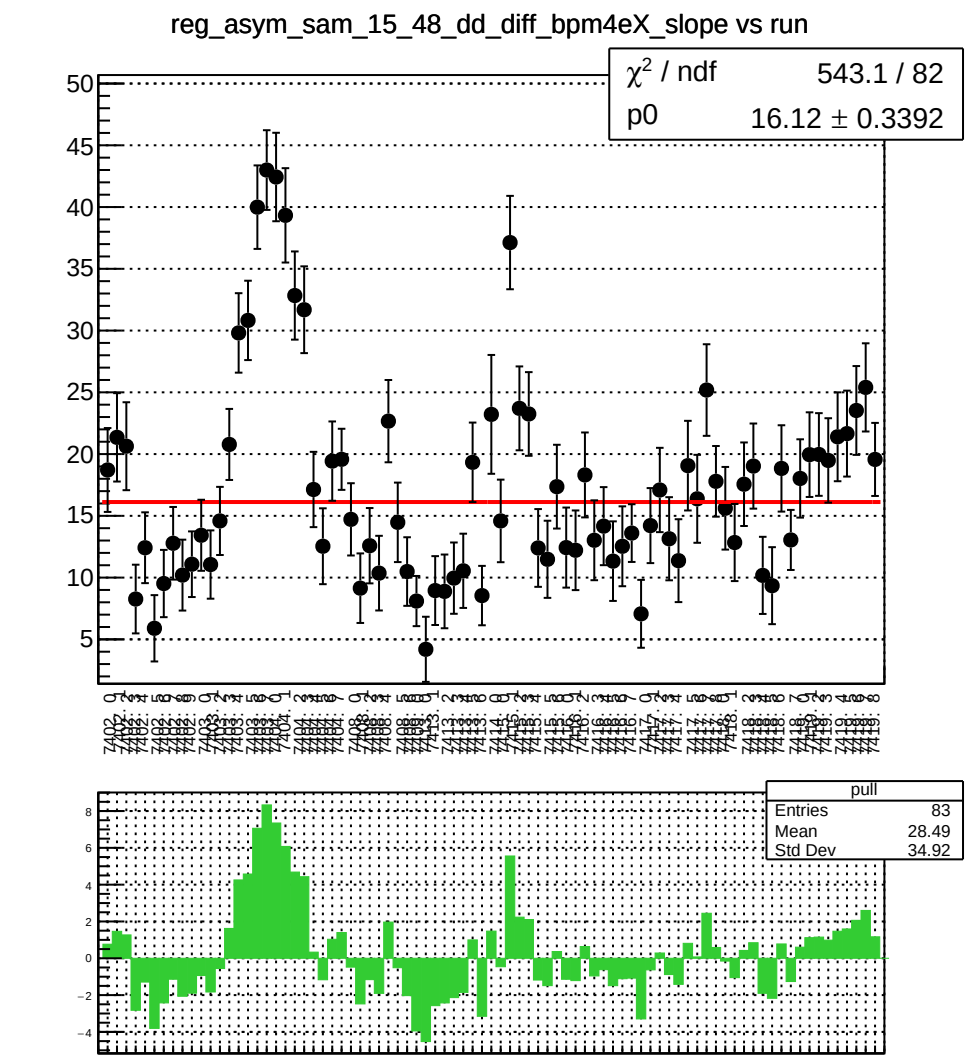

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 89.42 / 82
p0 −16.08 ± 0.3359
pull
Entries 83
Mean 53.93
Std Dev 0
pull1D
Entries 83
Mean −0.03751
Std Dev 1.037

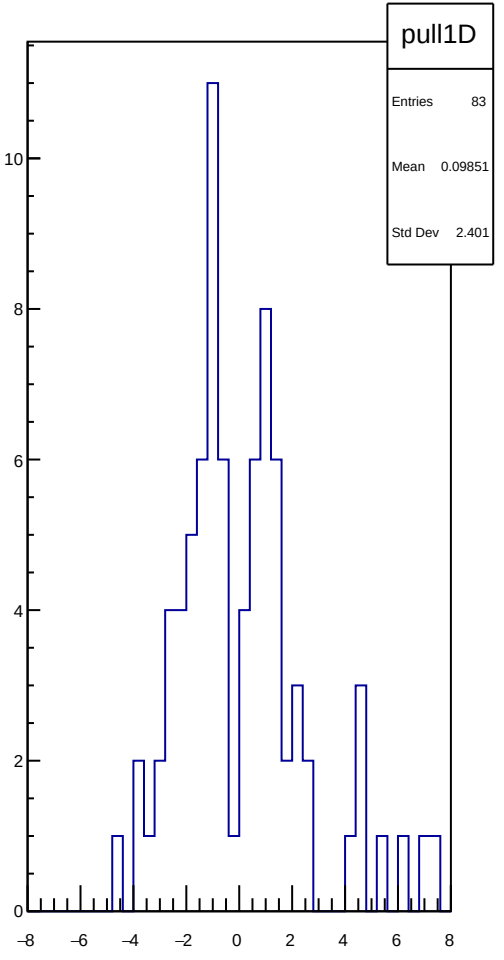

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 14.68 / 82
p0 0.471 ± 0.01467
pull
Entries 83
Mean 628.7
Std Dev 0
pull1D
Entries 83
Mean 0.01427
Std Dev 0.4203

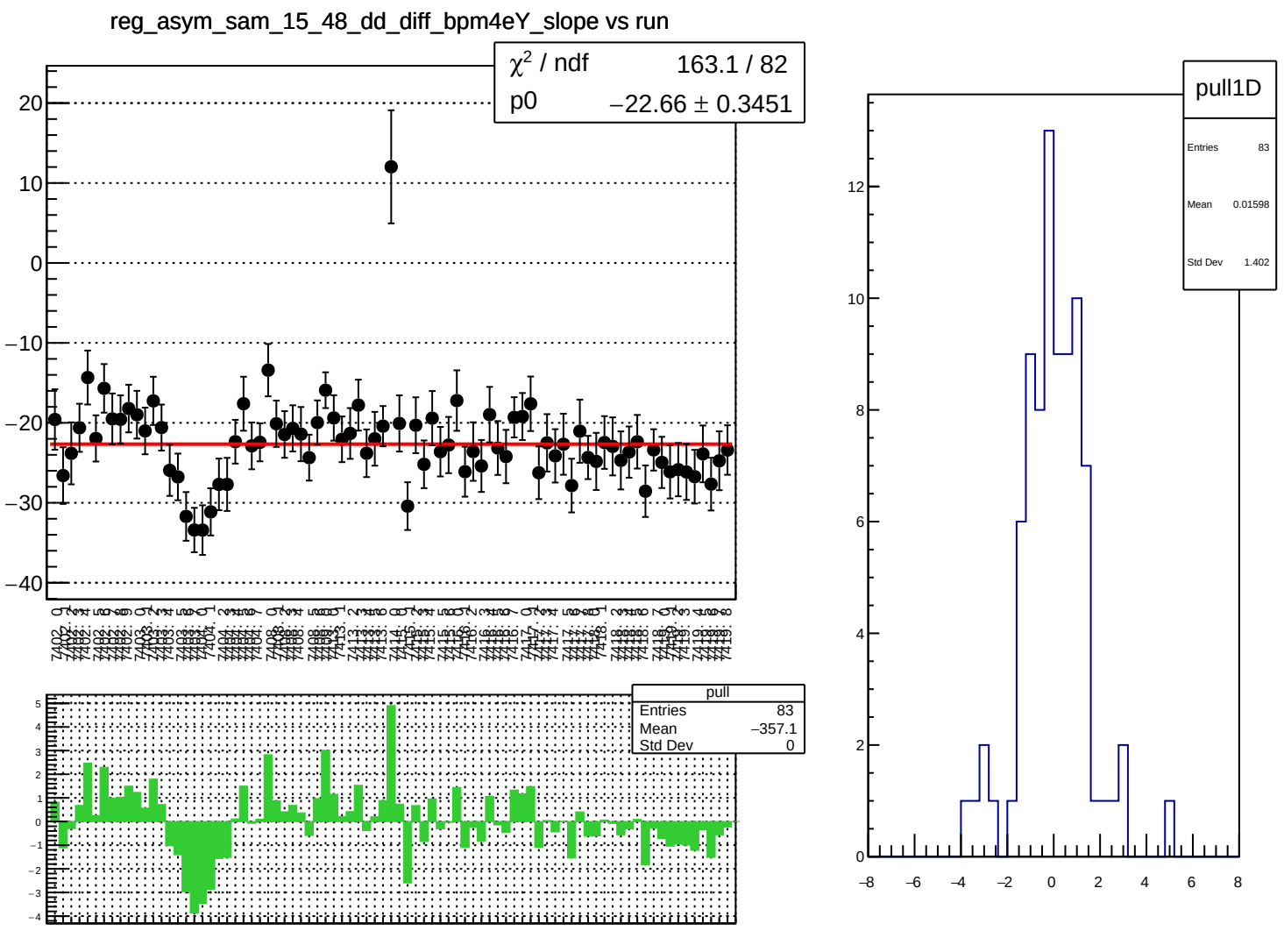

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 782.2 / 82
p0 30.2 ± 0.3286
40
30
20
10
0
pull
Entries 83
Mean −81.69
Std Dev 0
4
2
0
−2
−4
−6
−8
−10

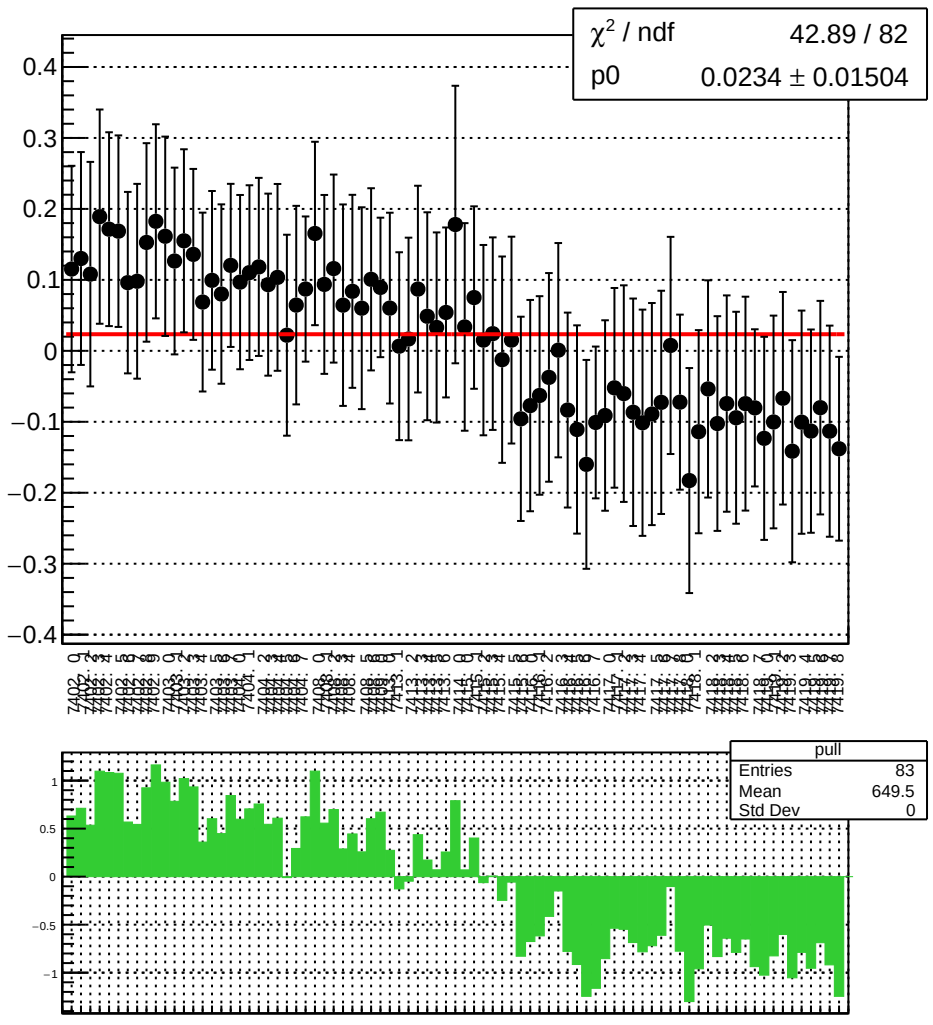

pull1D
Entries 83
Mean 0.186
Std Dev 2.527
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

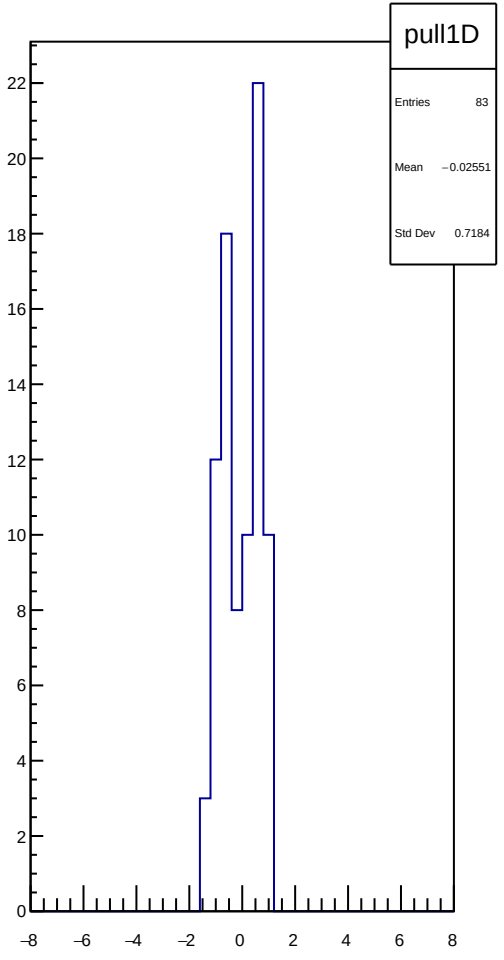

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 276.4 / 82
p0 −8.649 ± 0.3277
pull
Entries 83
Mean 113.9
Std Dev 0
pull1D
Entries 83
Mean −0.0906
Std Dev 1.822

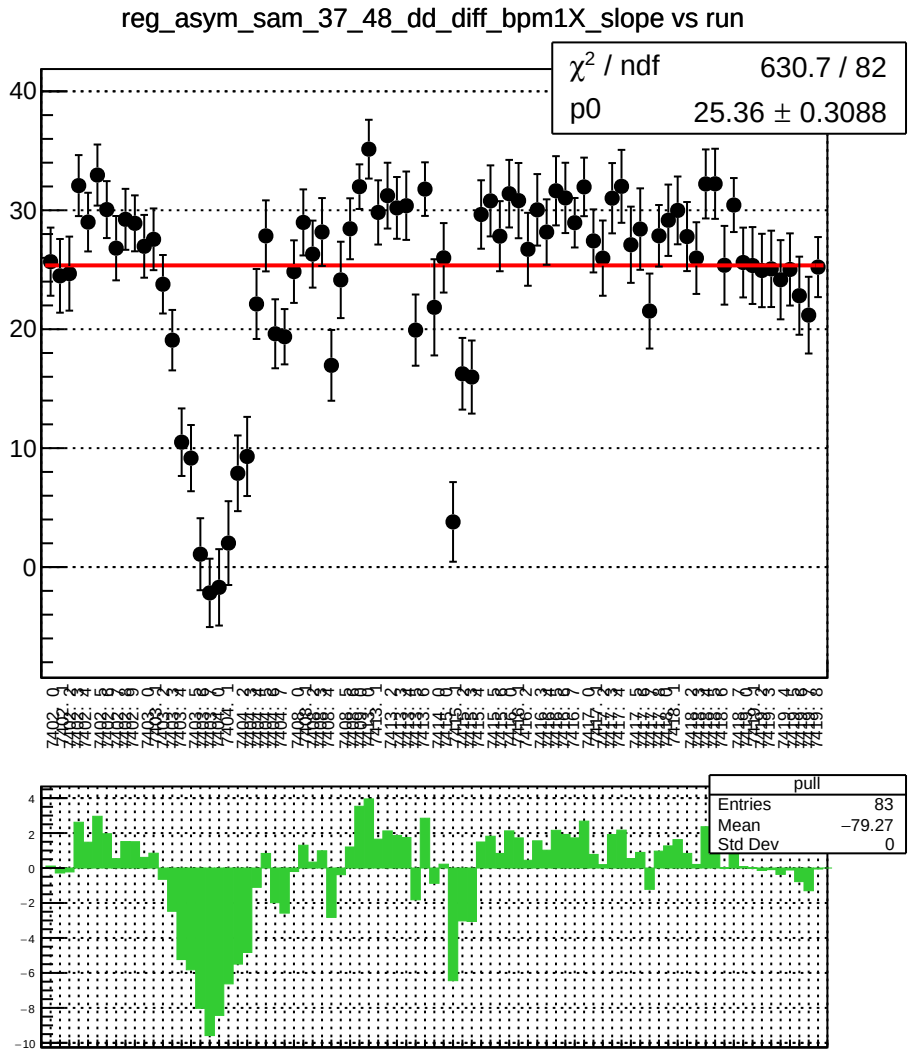

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 543.1 / 82
p0 16.12 ± 0.3392
pull
Entries 83
Mean 28.49
Std Dev 34.92

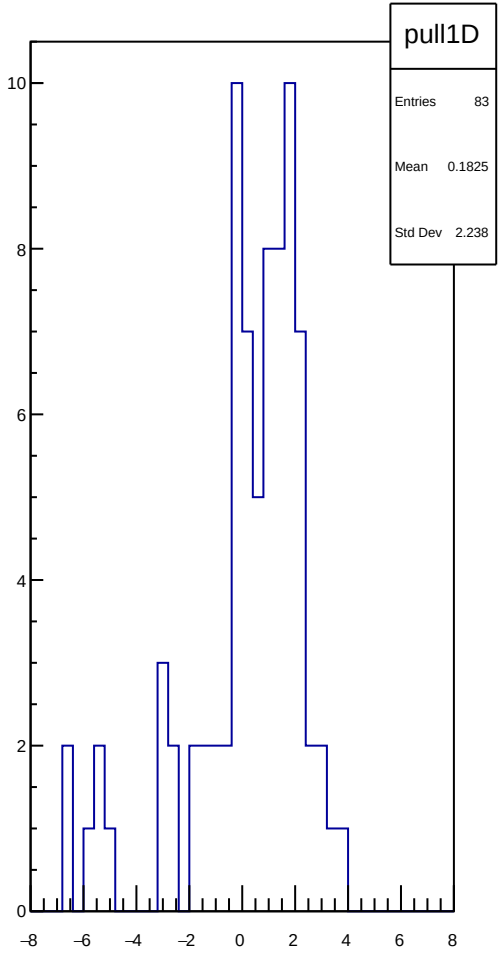

pull1D
Entries 83
Mean 0.09851
Std Dev 2.401

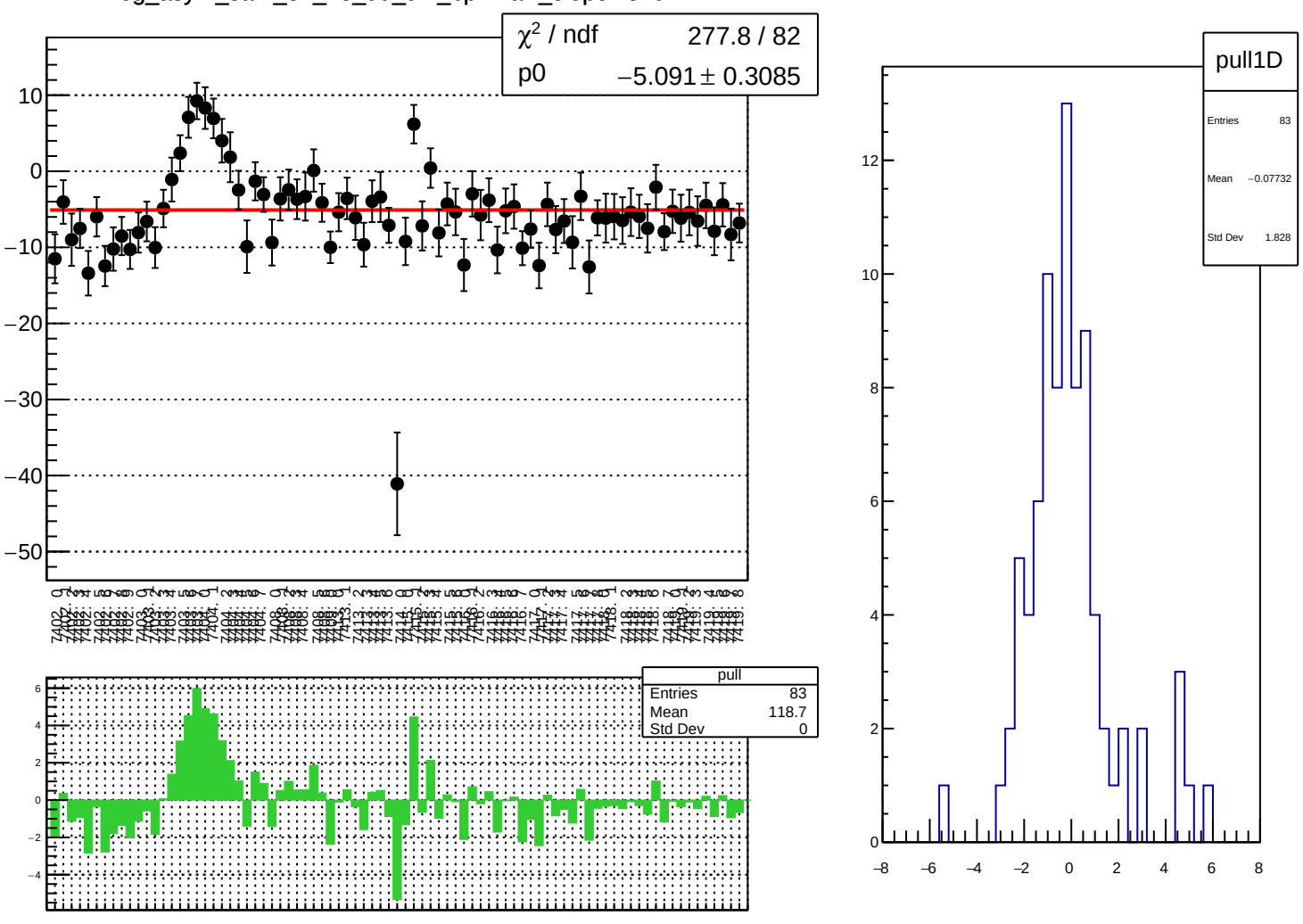

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 163.1 / 82
p0 −22.66 ± 0.3451
pull
Entries 83
Mean −357.1
Std Dev 0
pull1D
Entries 83
Mean 0.01598
Std Dev 1.402

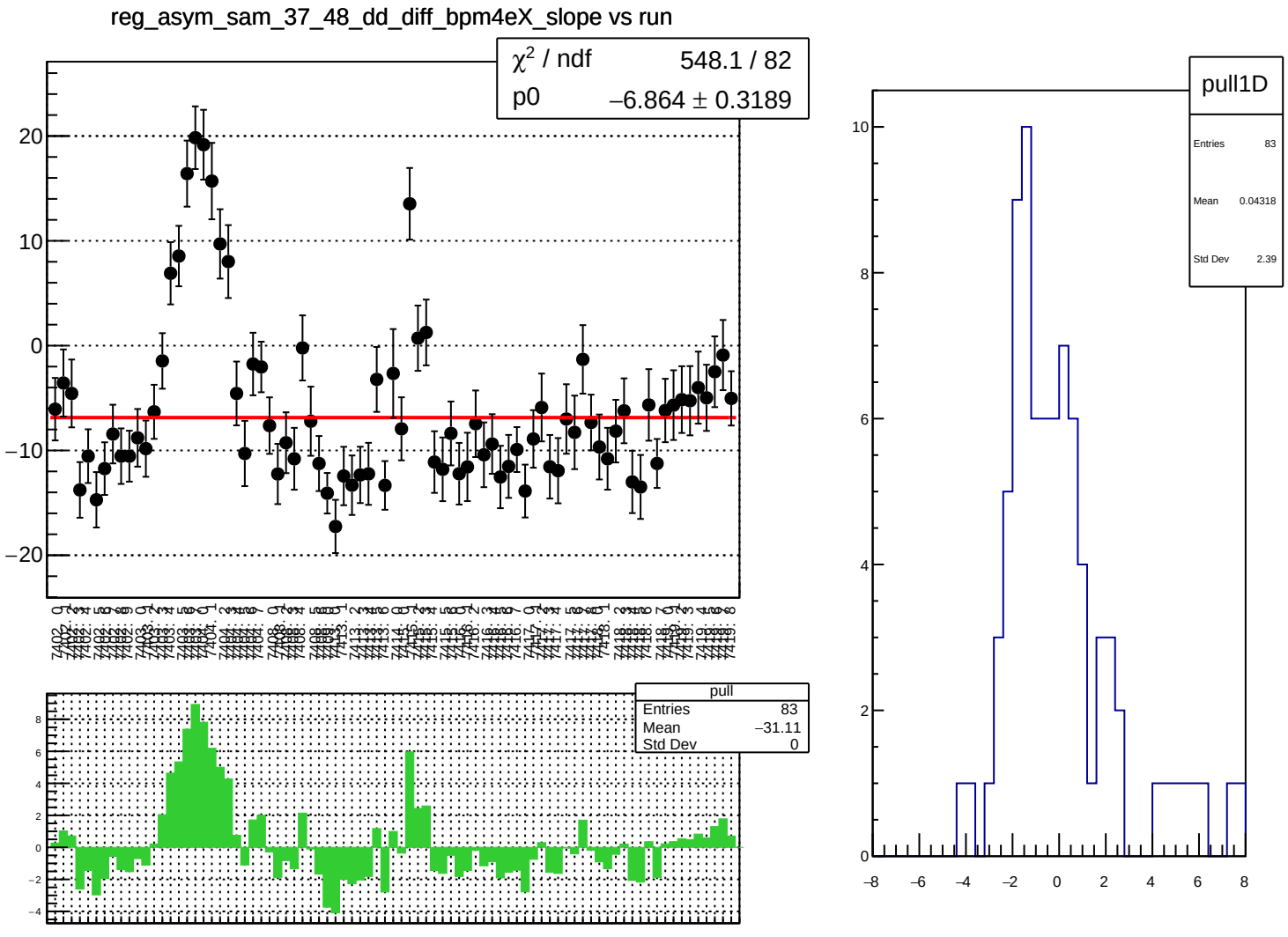

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 42.89 / 82
p0 0.0234 ± 0.01504
pull
Entries 83
Mean 649.5
Std Dev 0

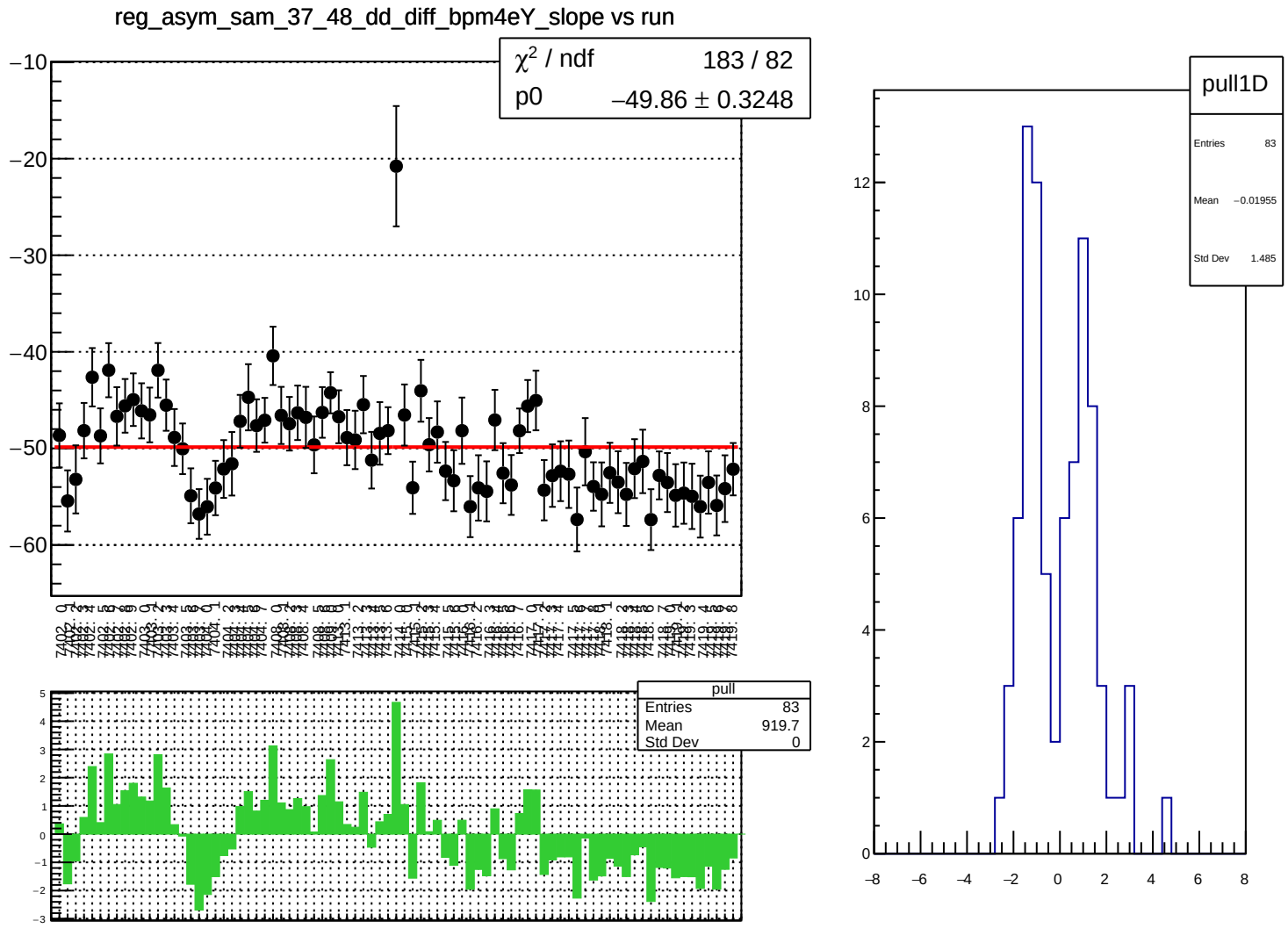

pull1D
Entries 83
Mean −0.02551
Std Dev 0.7184

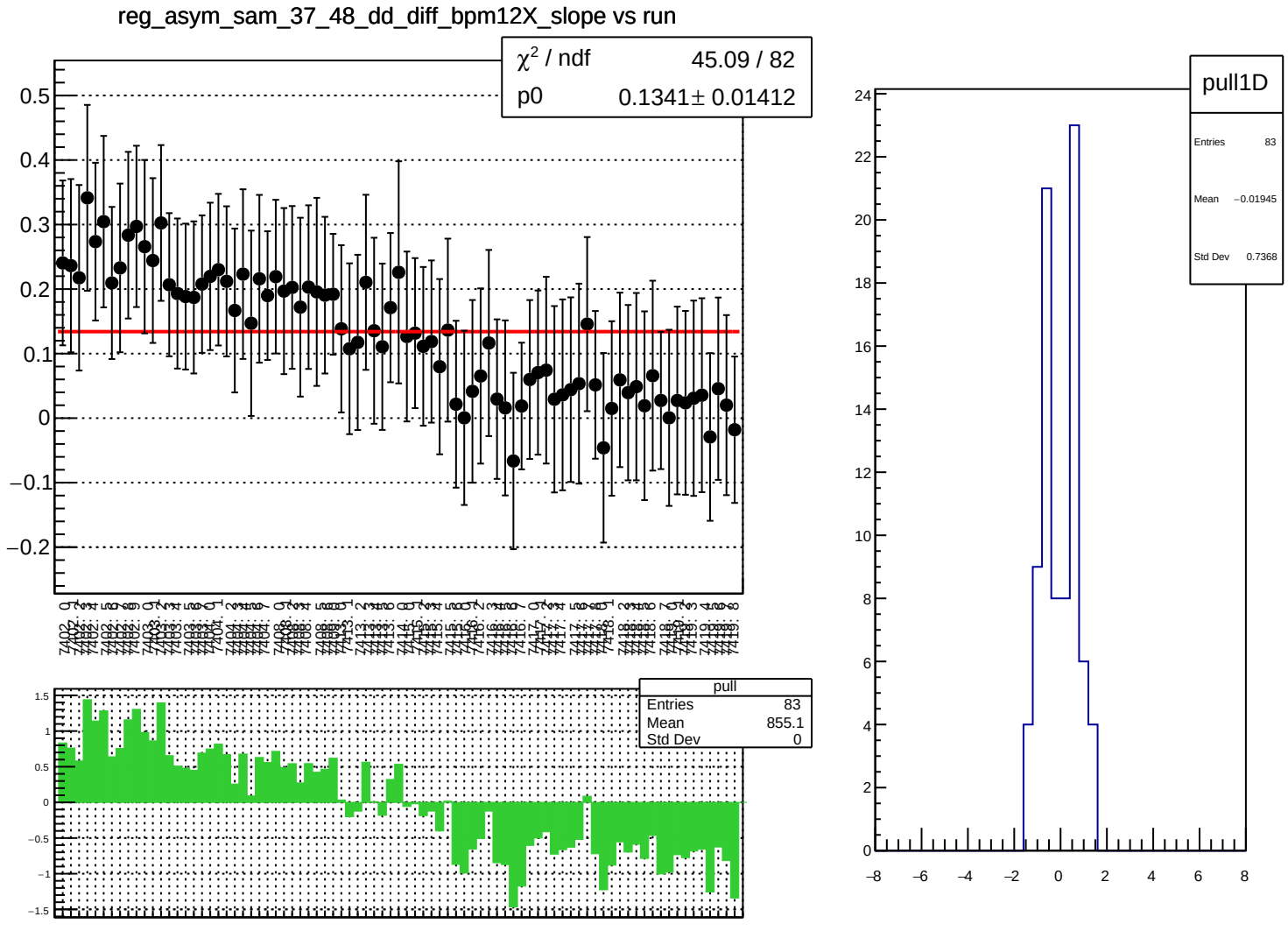

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 630.7 / 82
p0 25.36 ± 0.3088
pull
Entries 83
Mean −79.27
Std Dev 0

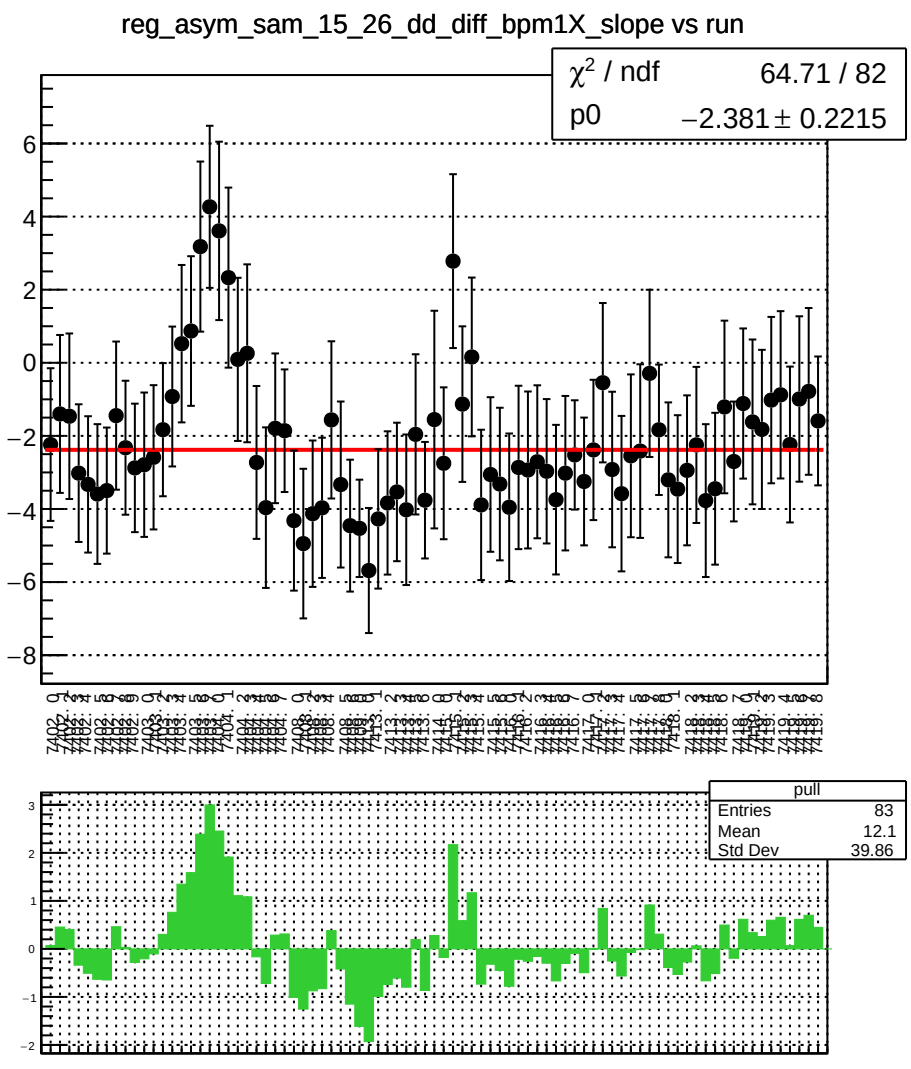

pull1D
Entries 83
Mean 0.1825
Std Dev 2.238

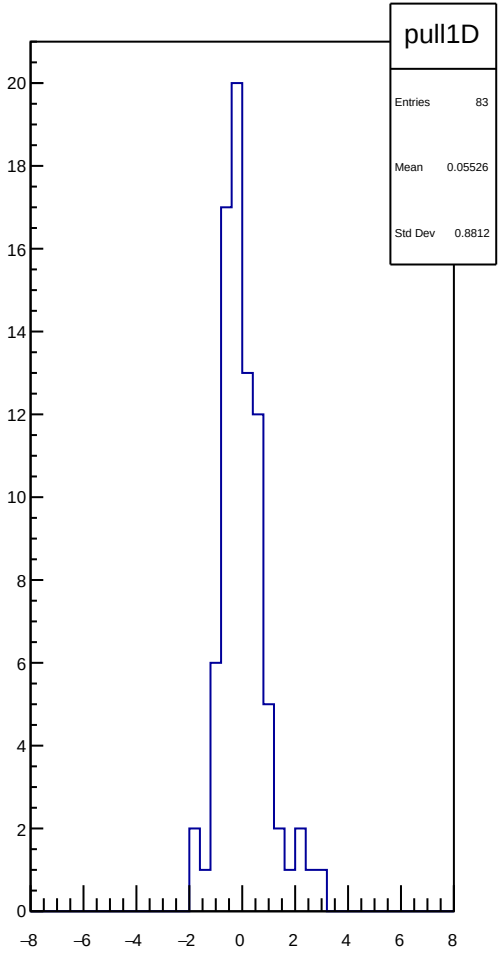

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 277.8 / 82
p0 −5.091 ± 0.3085
pull
Entries 83
Mean 118.7
Std Dev 0
pull1D
Entries 83
Mean −0.07732
Std Dev 1.828

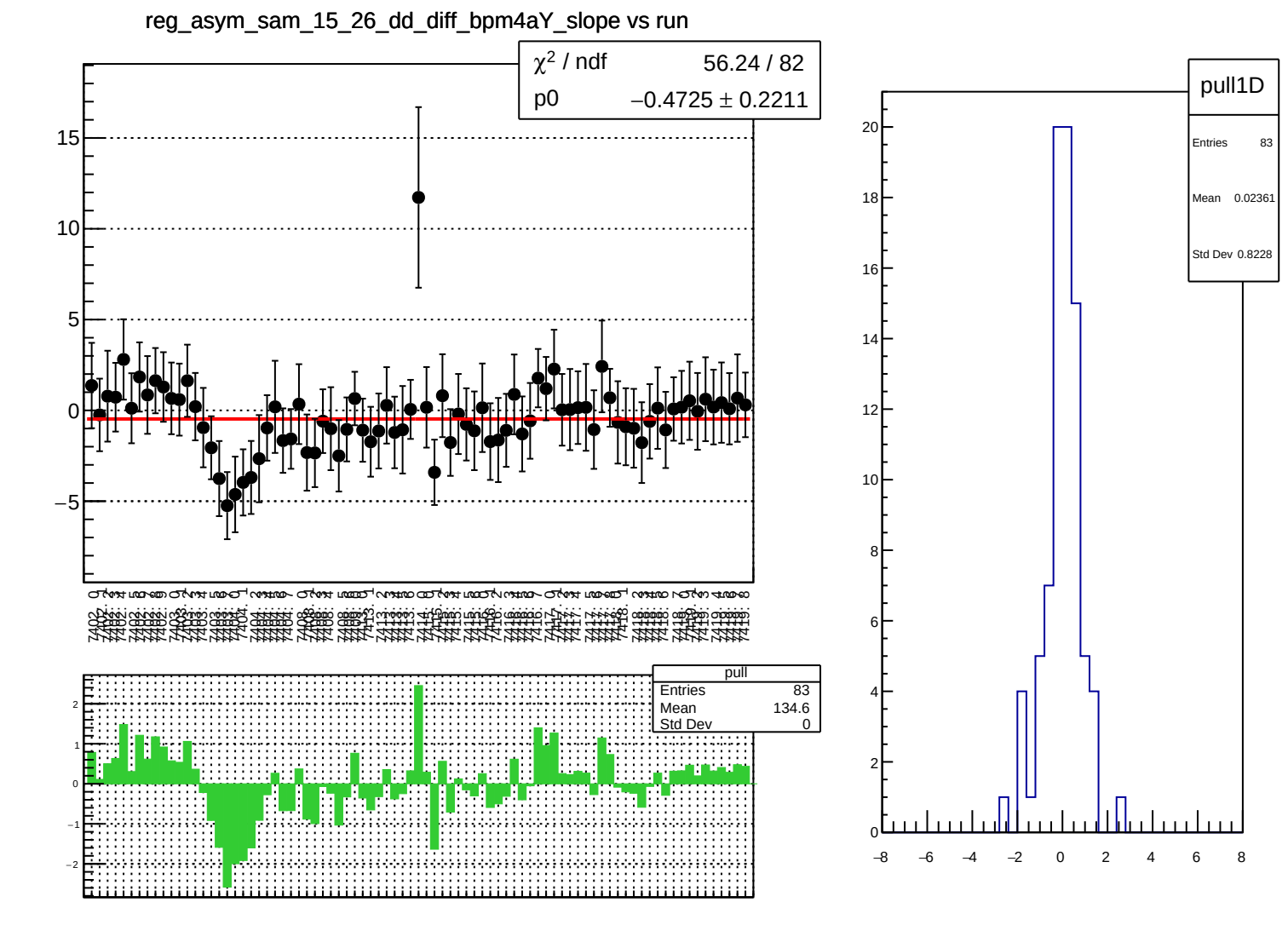

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 548.1 / 82
p0 −6.864 ± 0.3189
pull
Entries 83
Mean −31.11
Std Dev 0
pull1D
Entries 83
Mean 0.04318
Std Dev 2.39

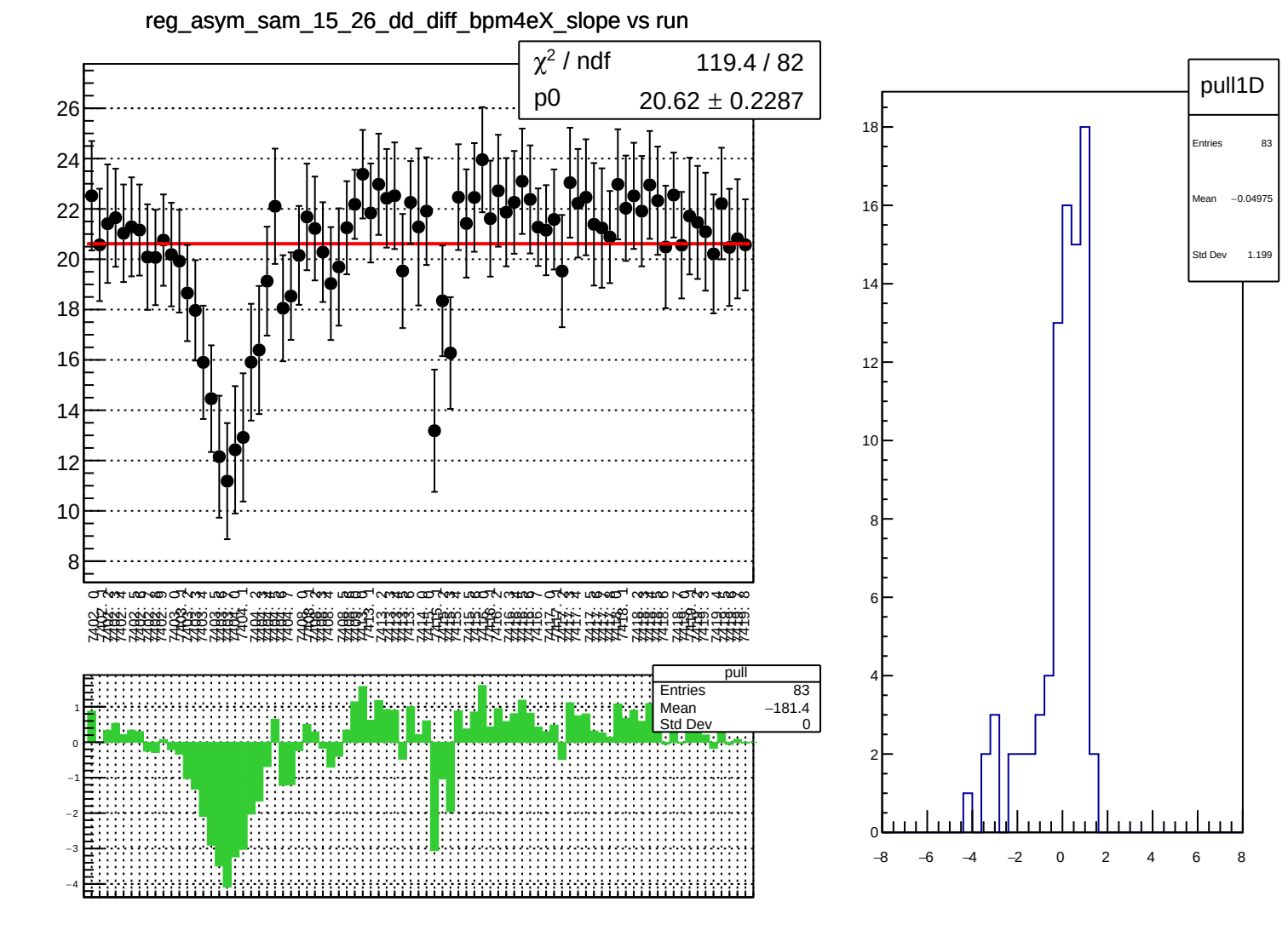

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 183 / 82
p0 −49.86 ± 0.3248
pull
Entries 83
Mean 919.7
Std Dev 0
pull1D
Entries 83
Mean −0.01955
Std Dev 1.485

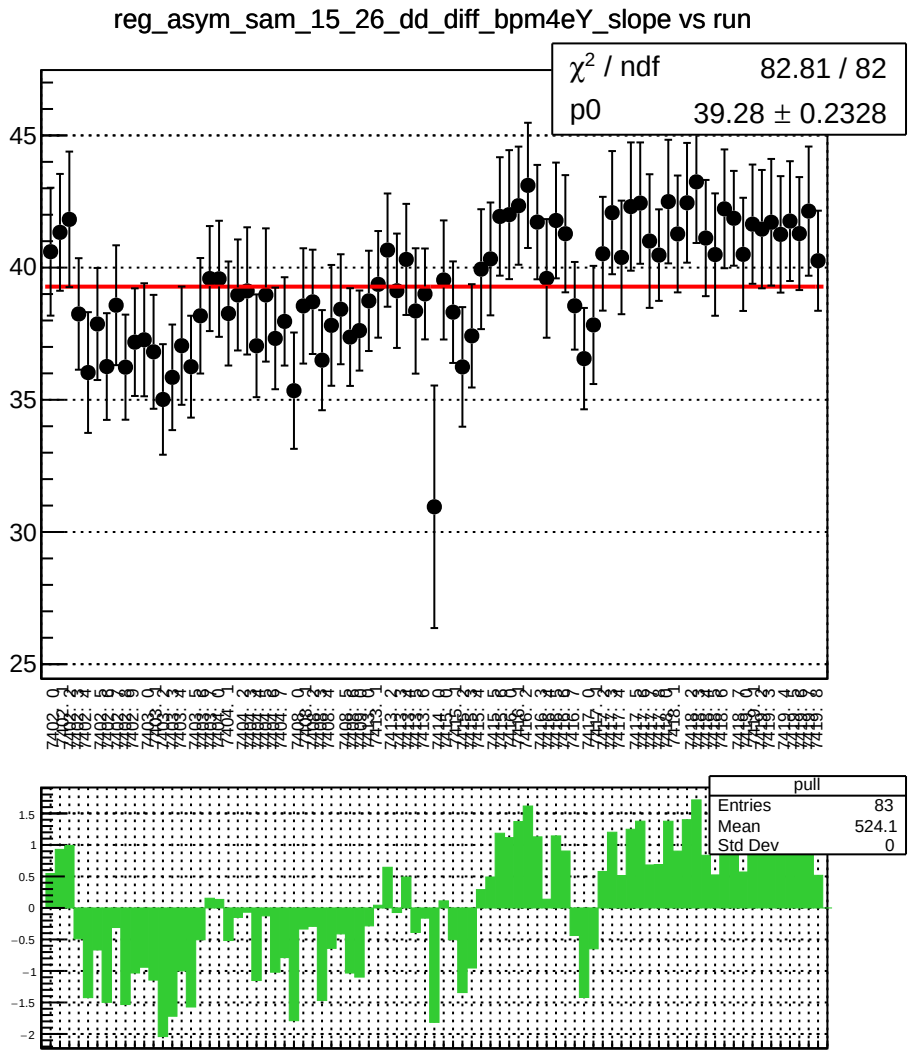

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 45.09 / 82
p0 0.1341± 0.01412
pull
Entries 83
Mean 855.1
Std Dev 0
pull1D
Entries 83
Mean −0.01945
Std Dev 0.7368

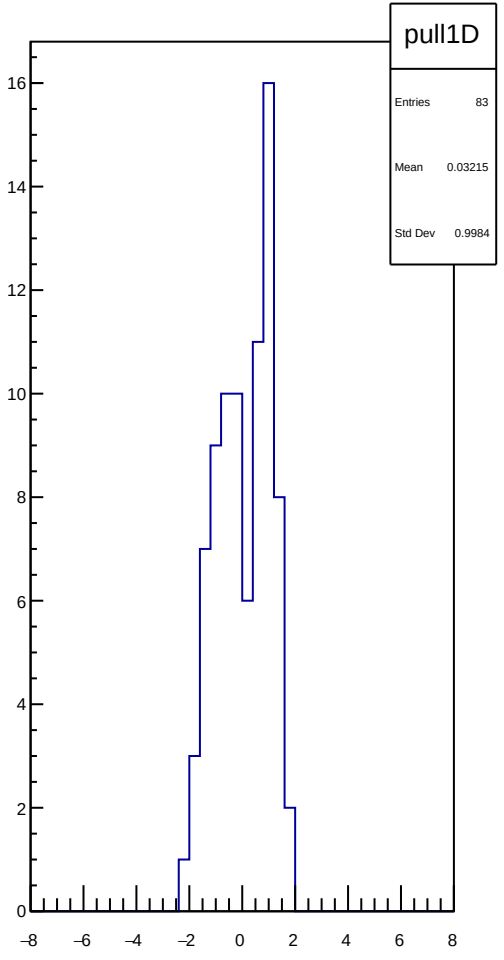

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 64.71 / 82
p0 −2.381 ± 0.2215
pull
Entries 83
Mean 12.1
Std Dev 39.86

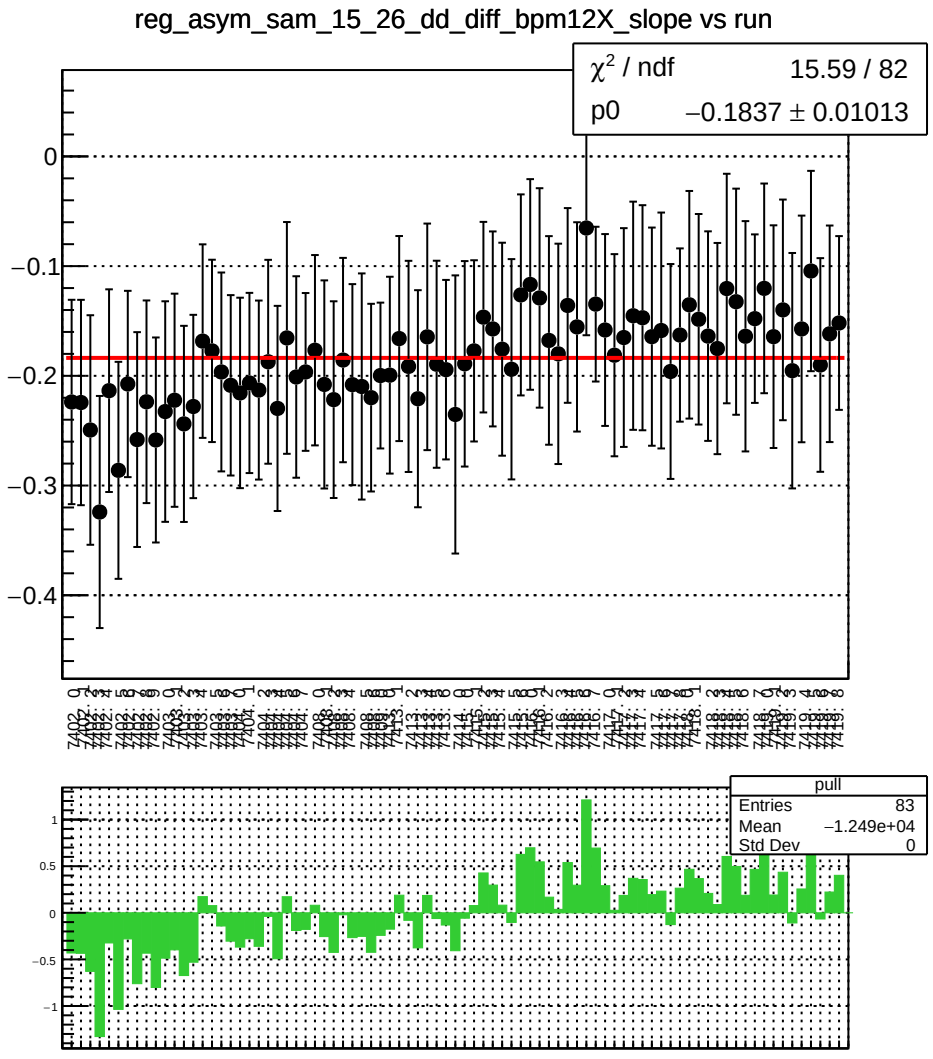

pull1D
Entries 83
Mean 0.05526
Std Dev 0.8812

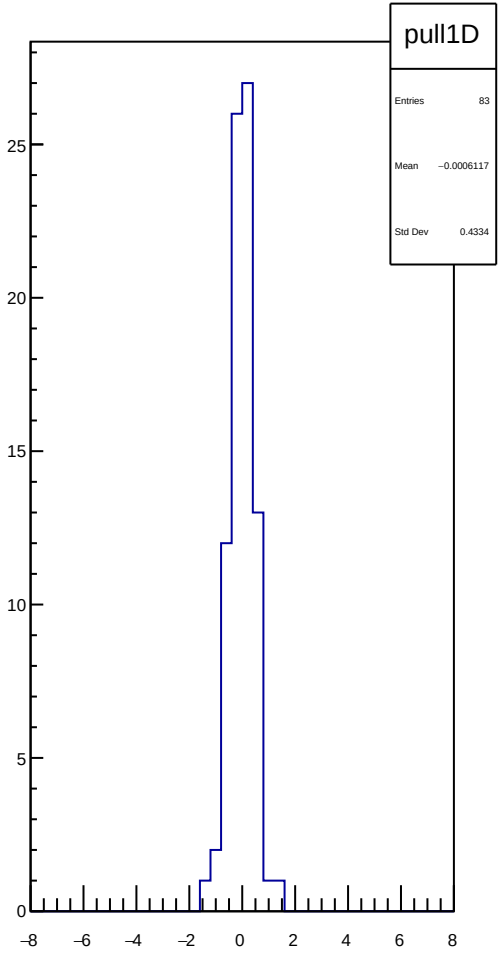

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.24 / 82
p0 −0.4725 ± 0.2211
pull
Entries 83
Mean 134.6
Std Dev 0
pull1D
Entries 83
Mean 0.02361
Std Dev 0.8228

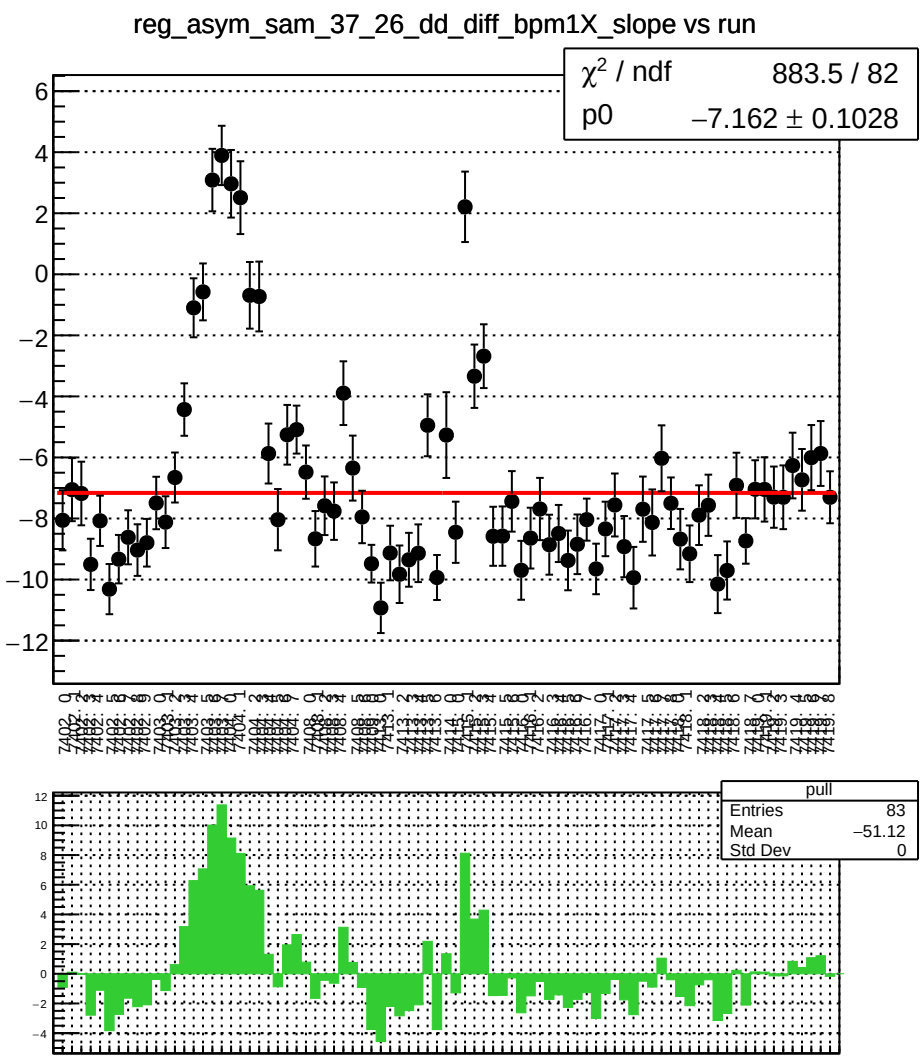

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 119.4 / 82
p0 20.62 ± 0.2287
pull
Entries 83
Mean −181.4
Std Dev 0
pull1D
Entries 83
Mean −0.04975
Std Dev 1.199

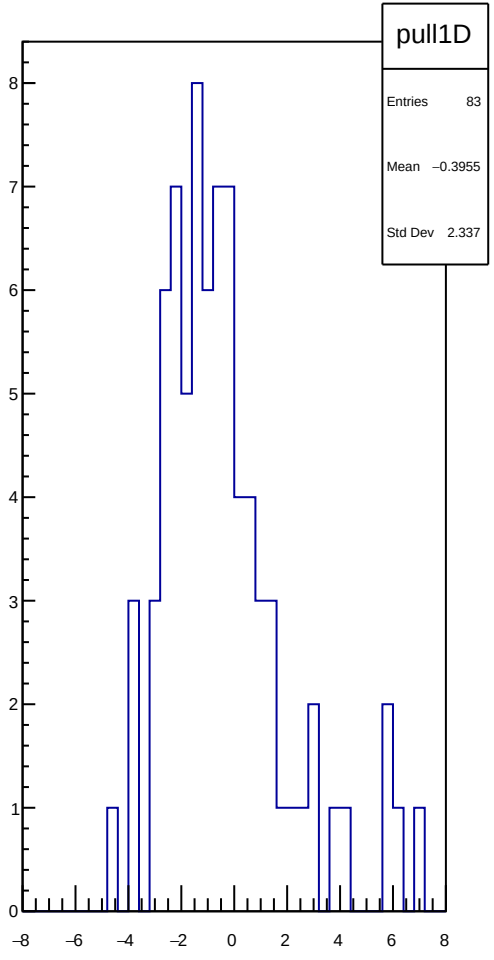

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.81 / 82
p0 39.28 ± 0.2328
pull
Entries 83
Mean 524.1
Std Dev 0

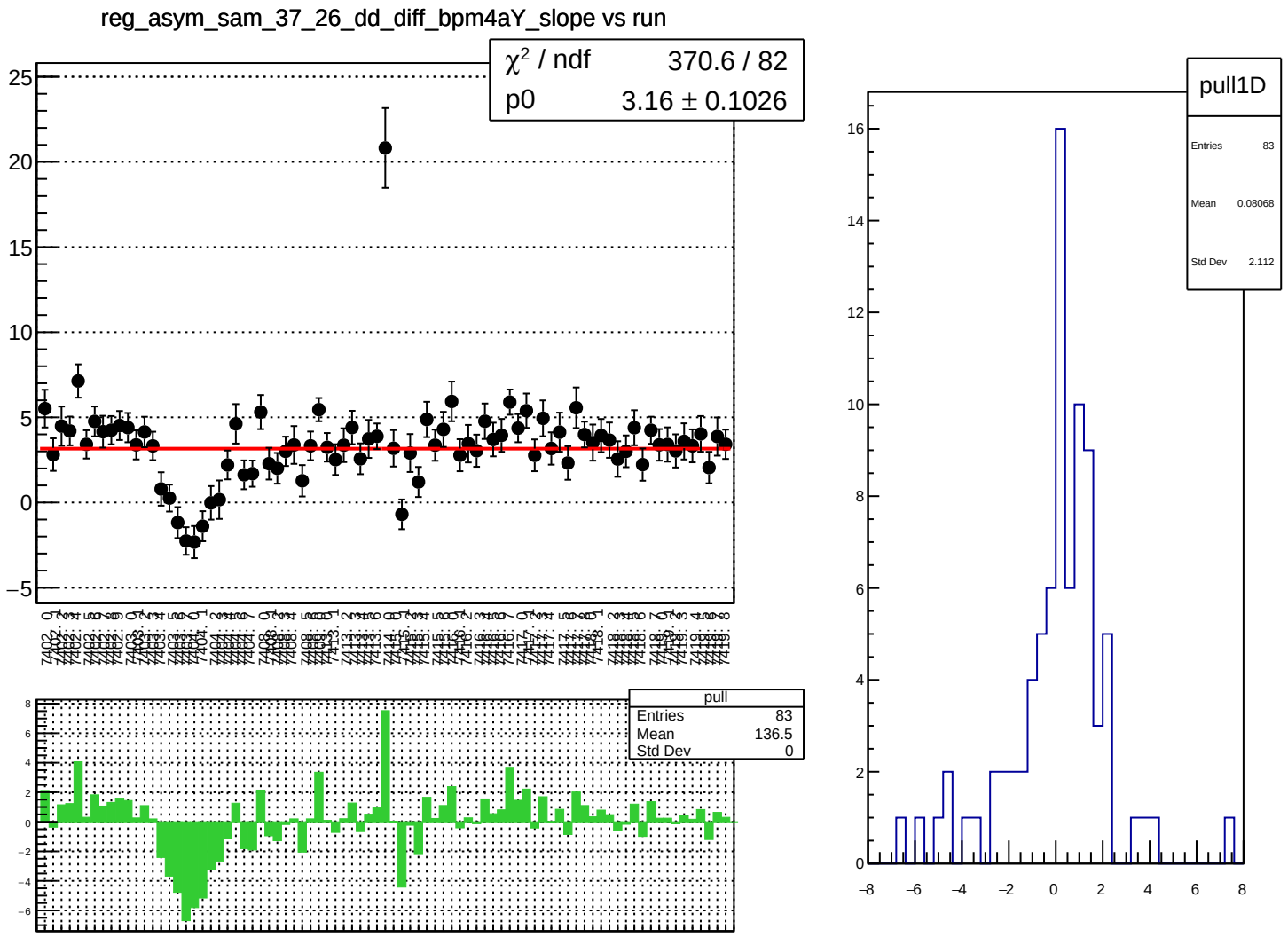

pull1D
Entries 83
Mean 0.03215
Std Dev 0.9984

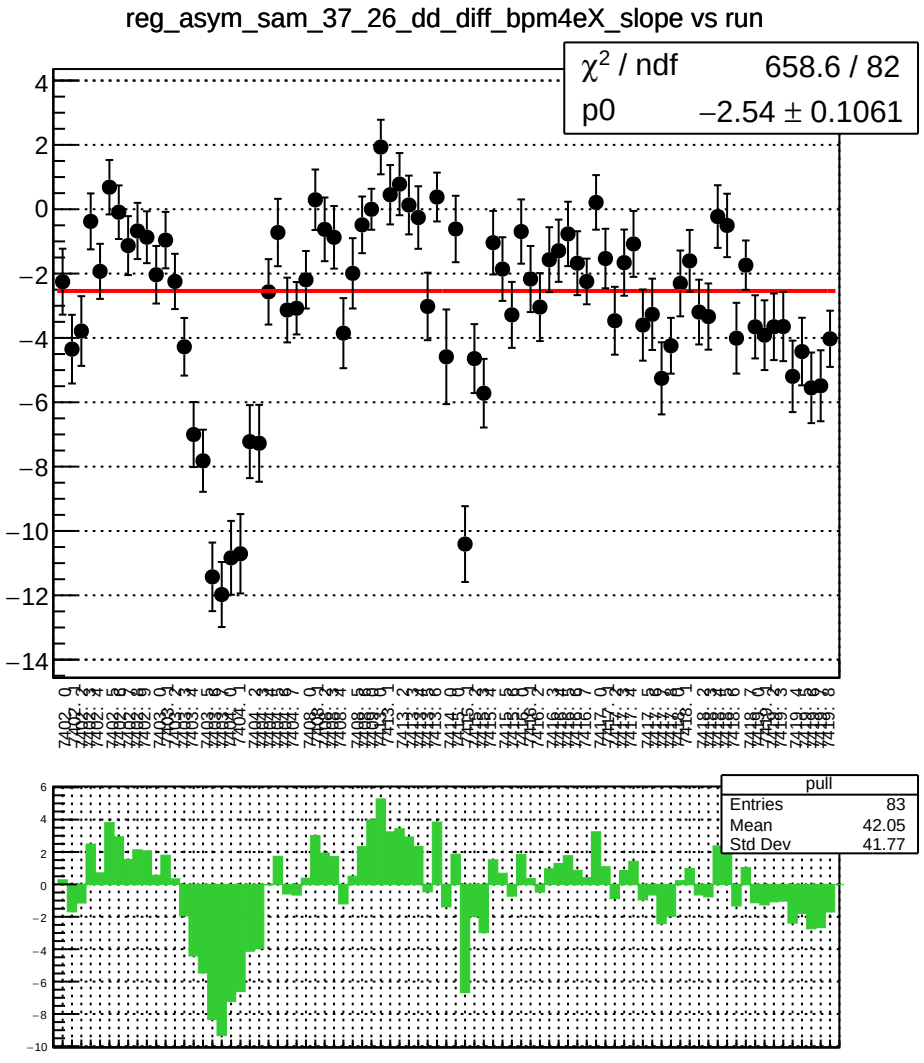

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 15.59 / 82
p0 −0.1837 ± 0.01013
pull
Entries 83
Mean −1.249e+04
Std Dev 0

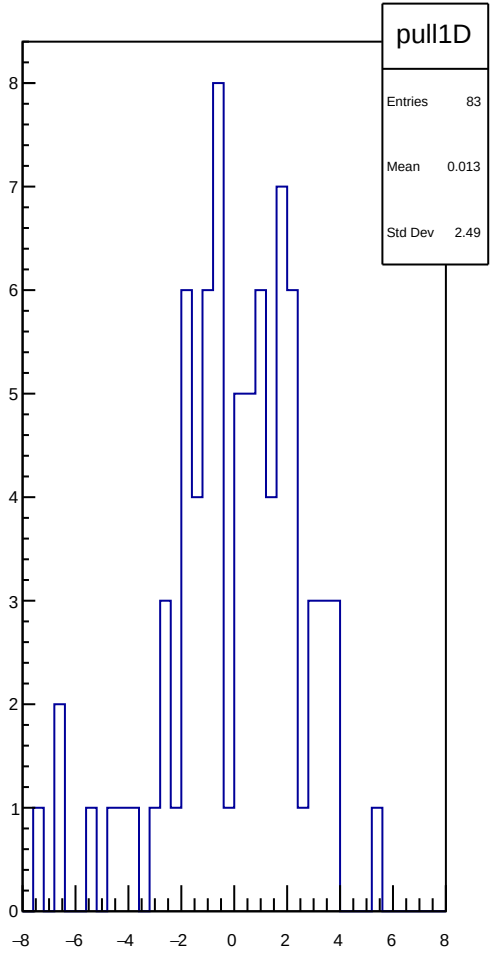

pull1D
Entries 83
Mean −0.0006117
Std Dev 0.4334

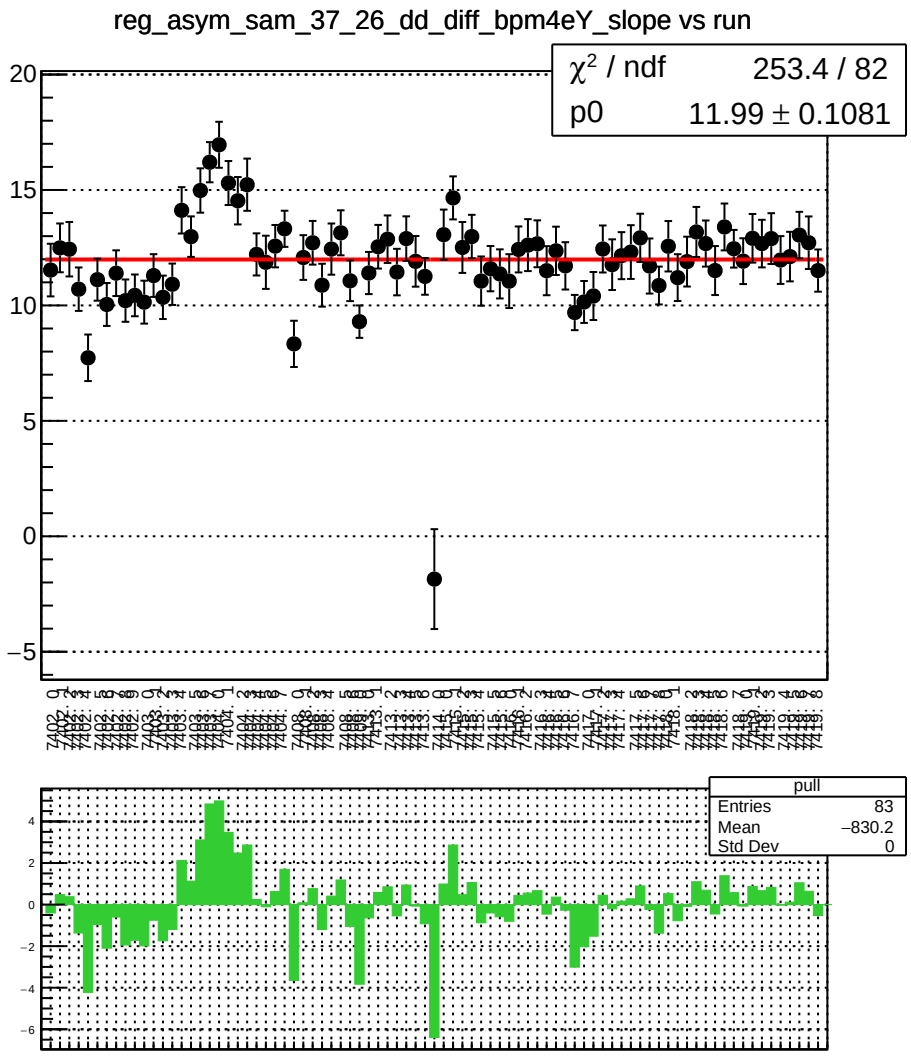

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 883.5 / 82
p0 −7.162 ± 0.1028
pull
Entries 83
Mean −51.12
Std Dev 0

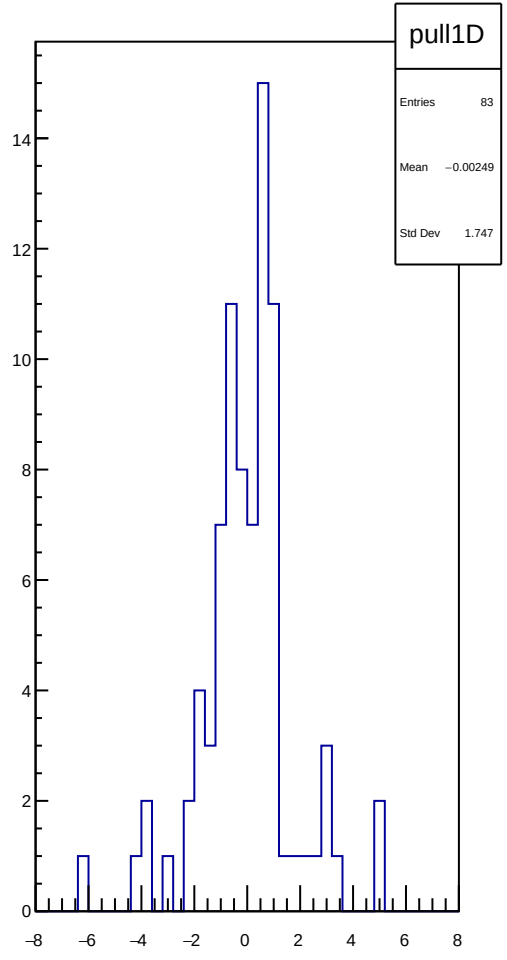

pull1D
Entries 83
Mean −0.3955
Std Dev 2.337

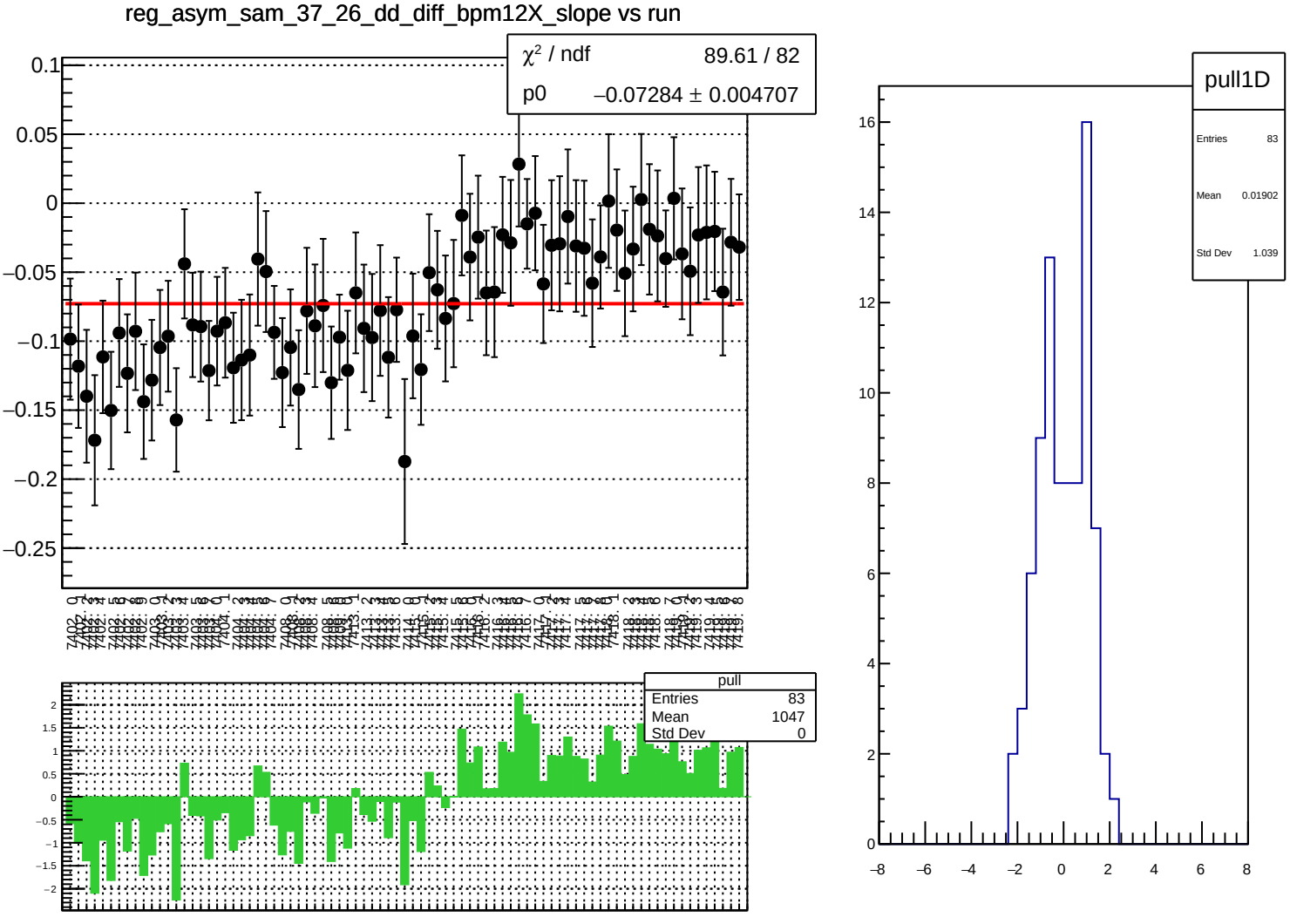

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 370.6 / 82
p0 3.16 ± 0.1026
pull
Entries 83
Mean 136.5
Std Dev 0
pull1D
Entries 83
Mean 0.08068
Std Dev 2.112

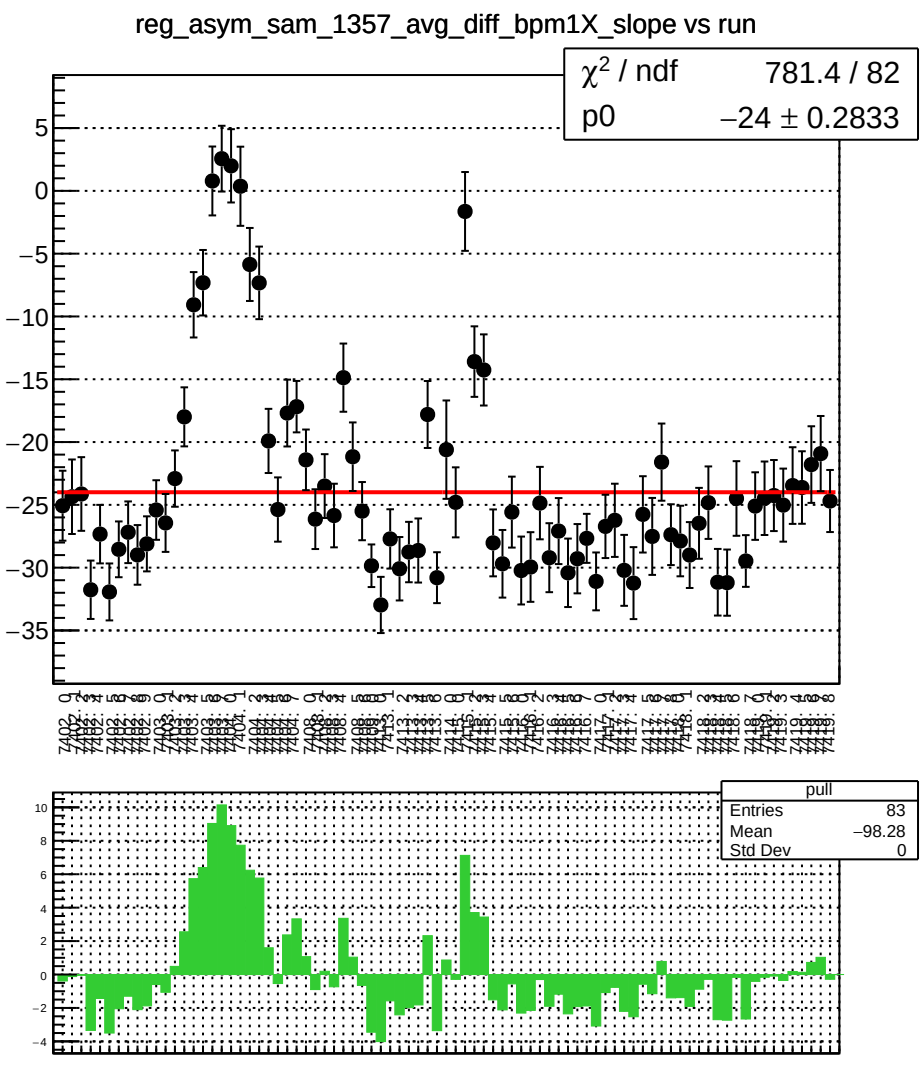

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 658.6 / 82
p0 −2.54 ± 0.1061
pull
Entries 83
Mean 42.05
Std Dev 41.77

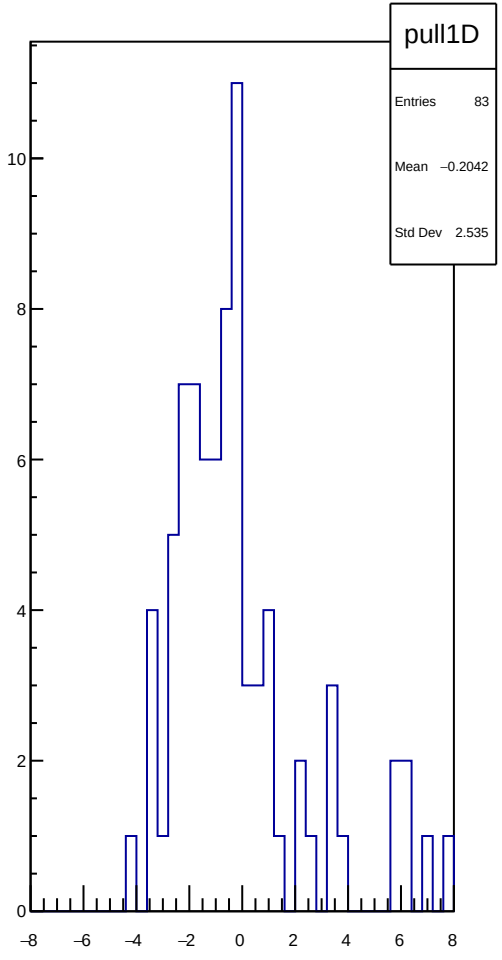

pull1D
Entries 83
Mean 0.013
Std Dev 2.49

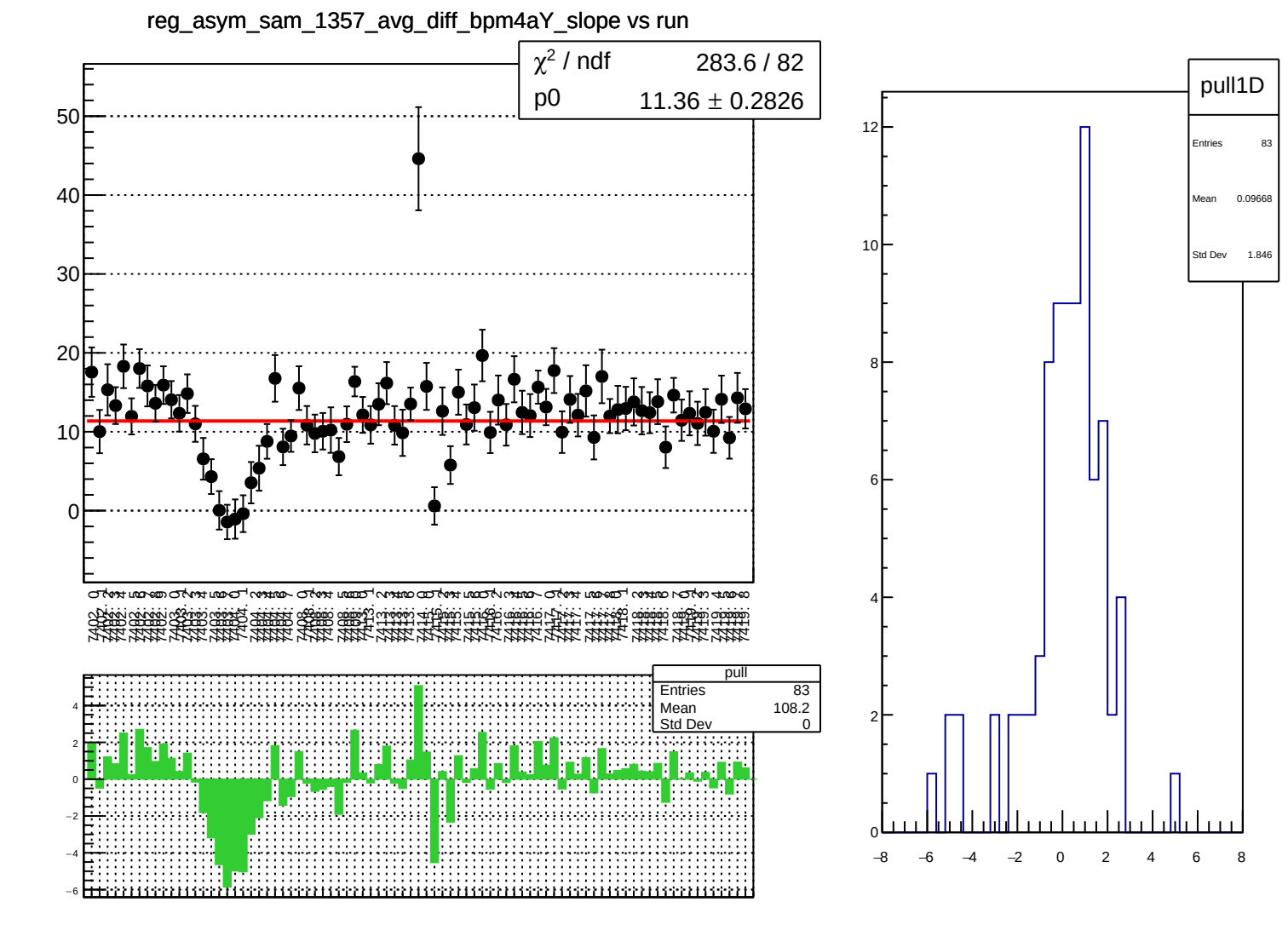

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 253.4 / 82
p0 11.99 ± 0.1081
pull
Entries 83
Mean −830.2
Std Dev 0

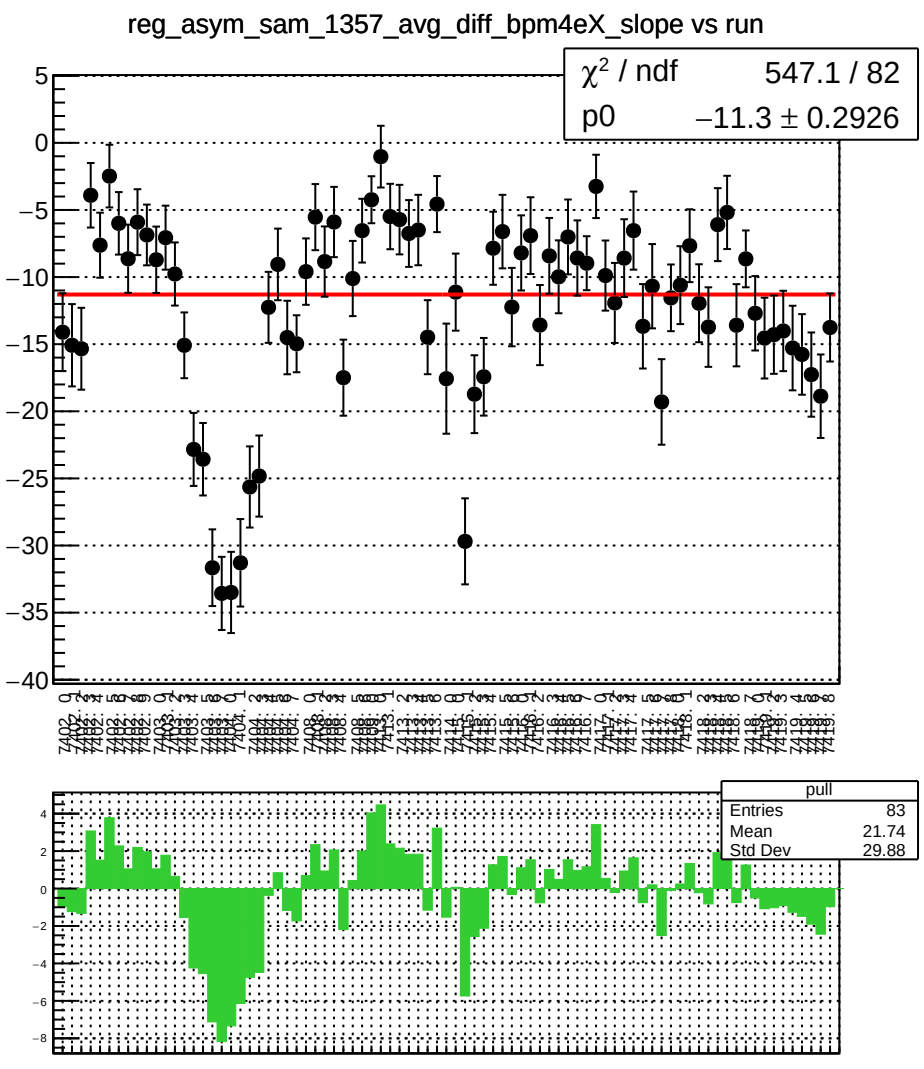

pull1D
Entries 83
Mean −0.00249
Std Dev 1.747

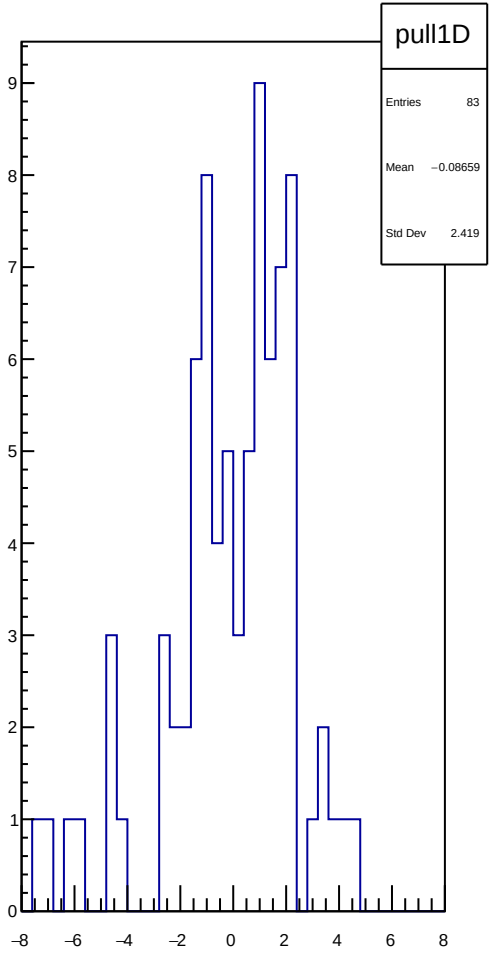

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 89.61 / 82
p0 −0.07284 ± 0.004707
pull
Entries 83
Mean 1047
Std Dev 0
pull1D
Entries 83
Mean 0.01902
Std Dev 1.039

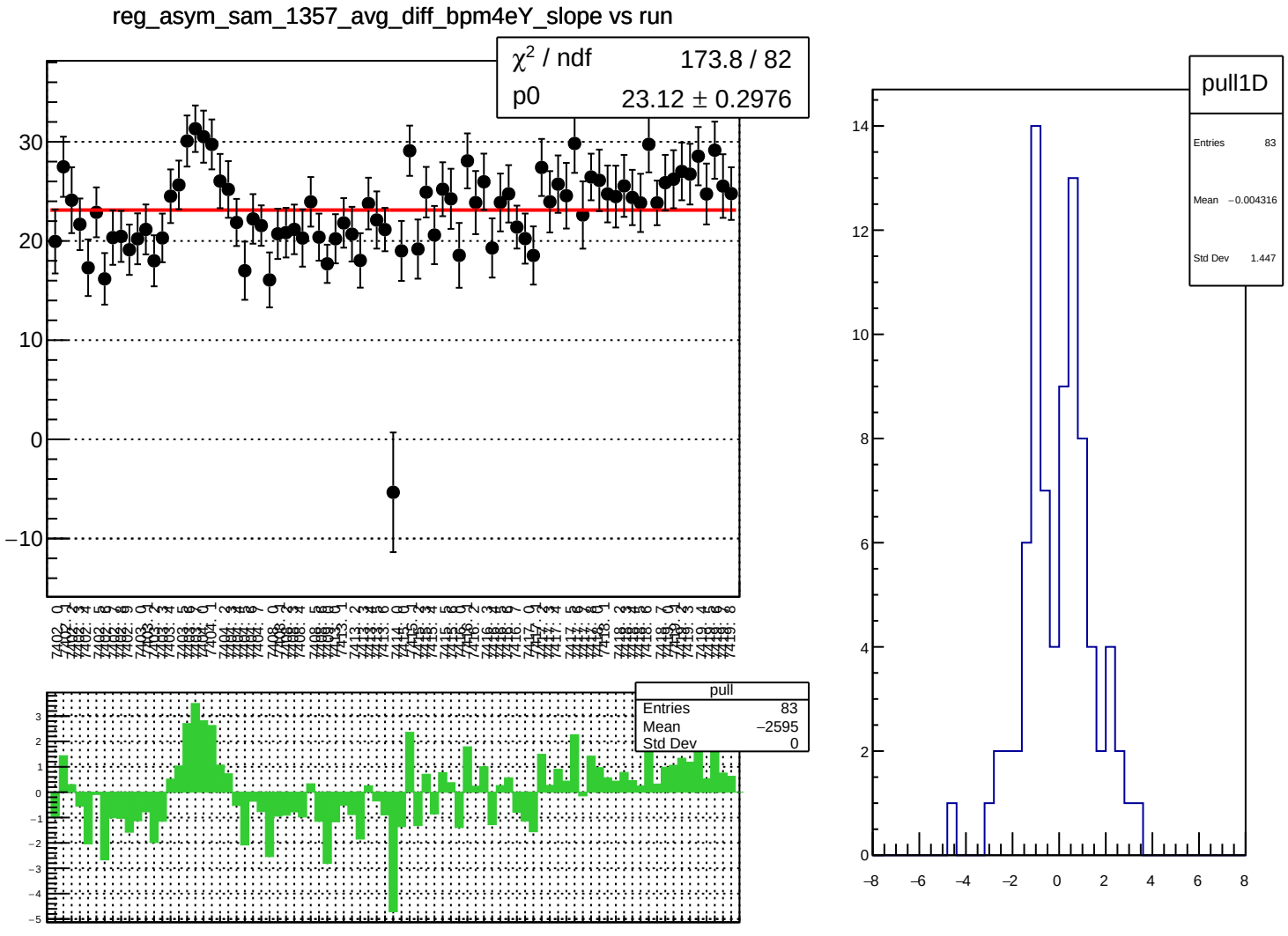

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 781.4 / 82
p0 −24 ± 0.2833
pull
Entries 83
Mean −98.28
Std Dev 0

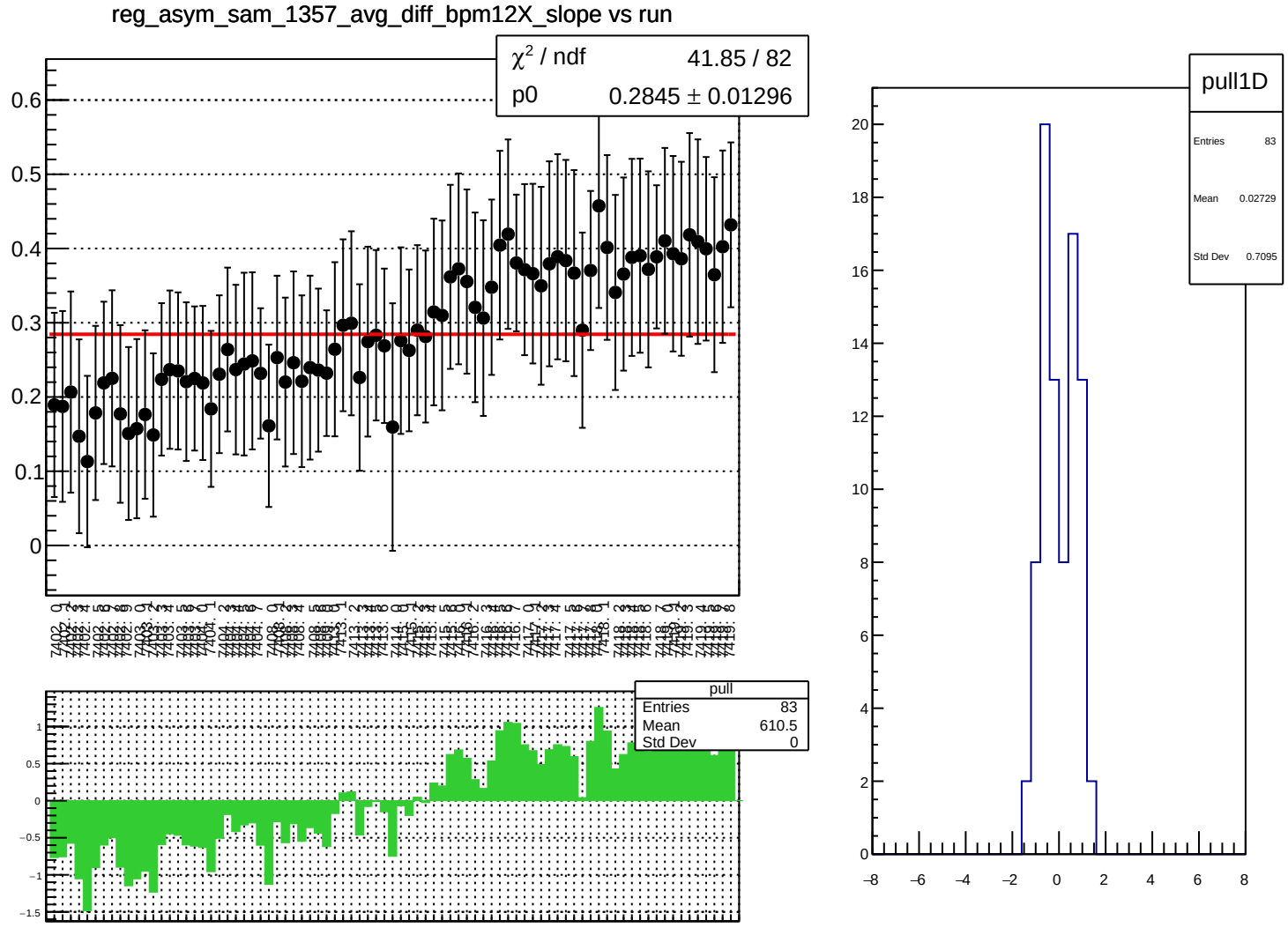

pull1D
Entries 83
Mean −0.2042
Std Dev 2.535

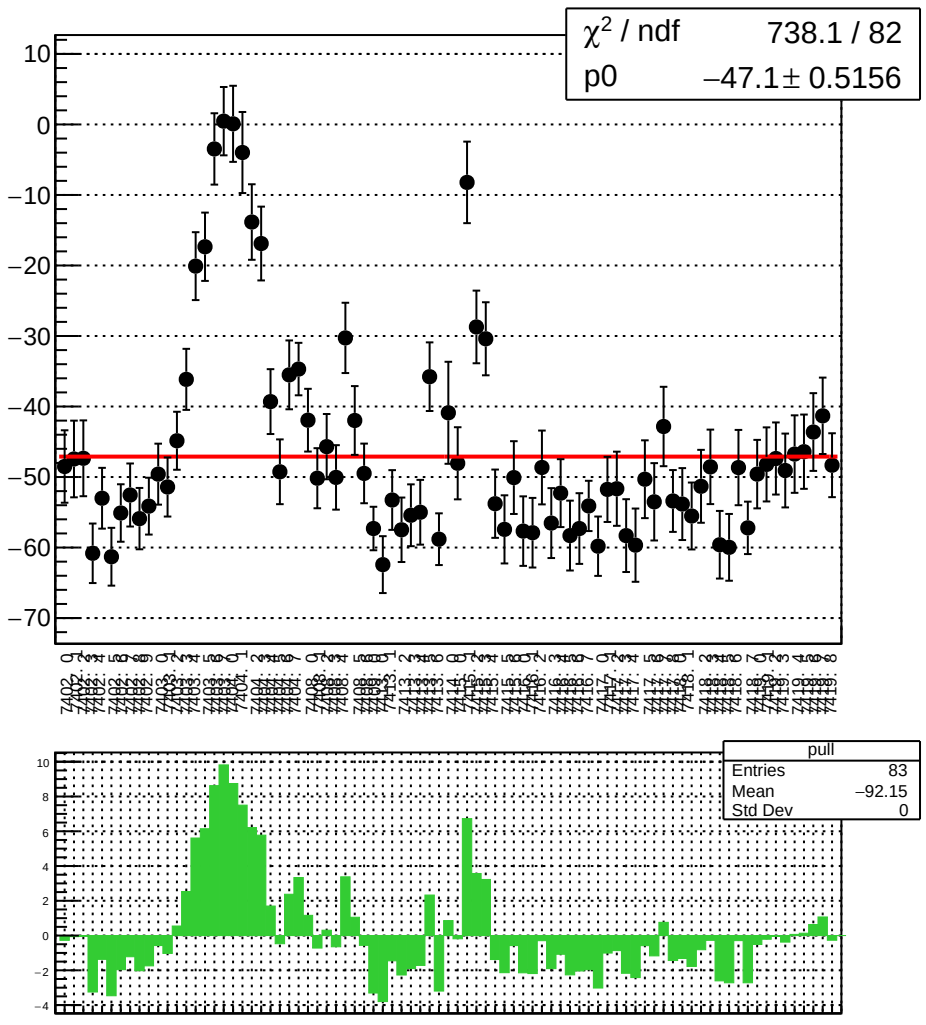

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 283.6 / 82
p0 11.36 ± 0.2826
pull
Entries 83
Mean 108.2
Std Dev 0
pull1D
Entries 83
Mean 0.09668
Std Dev 1.846

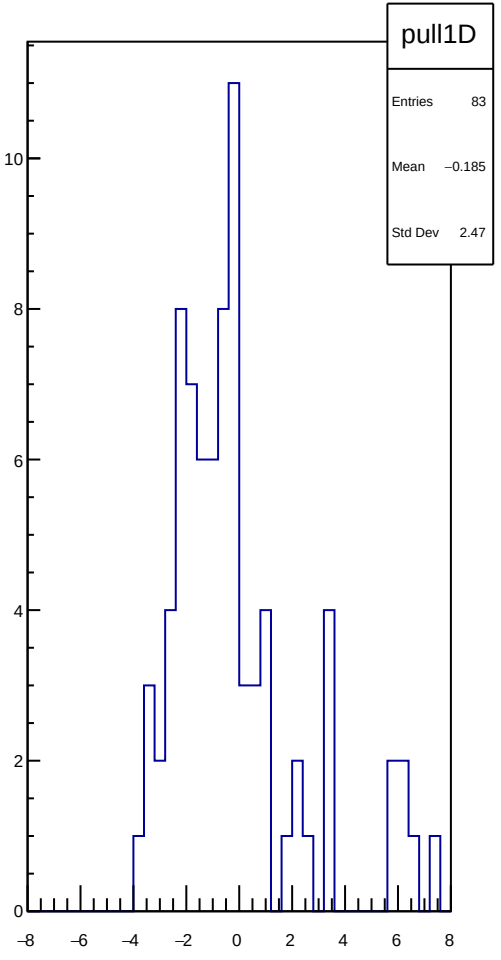

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 547.1 / 82
p0 −11.3 ± 0.2926
pull
Entries 83
Mean 21.74
Std Dev 29.88

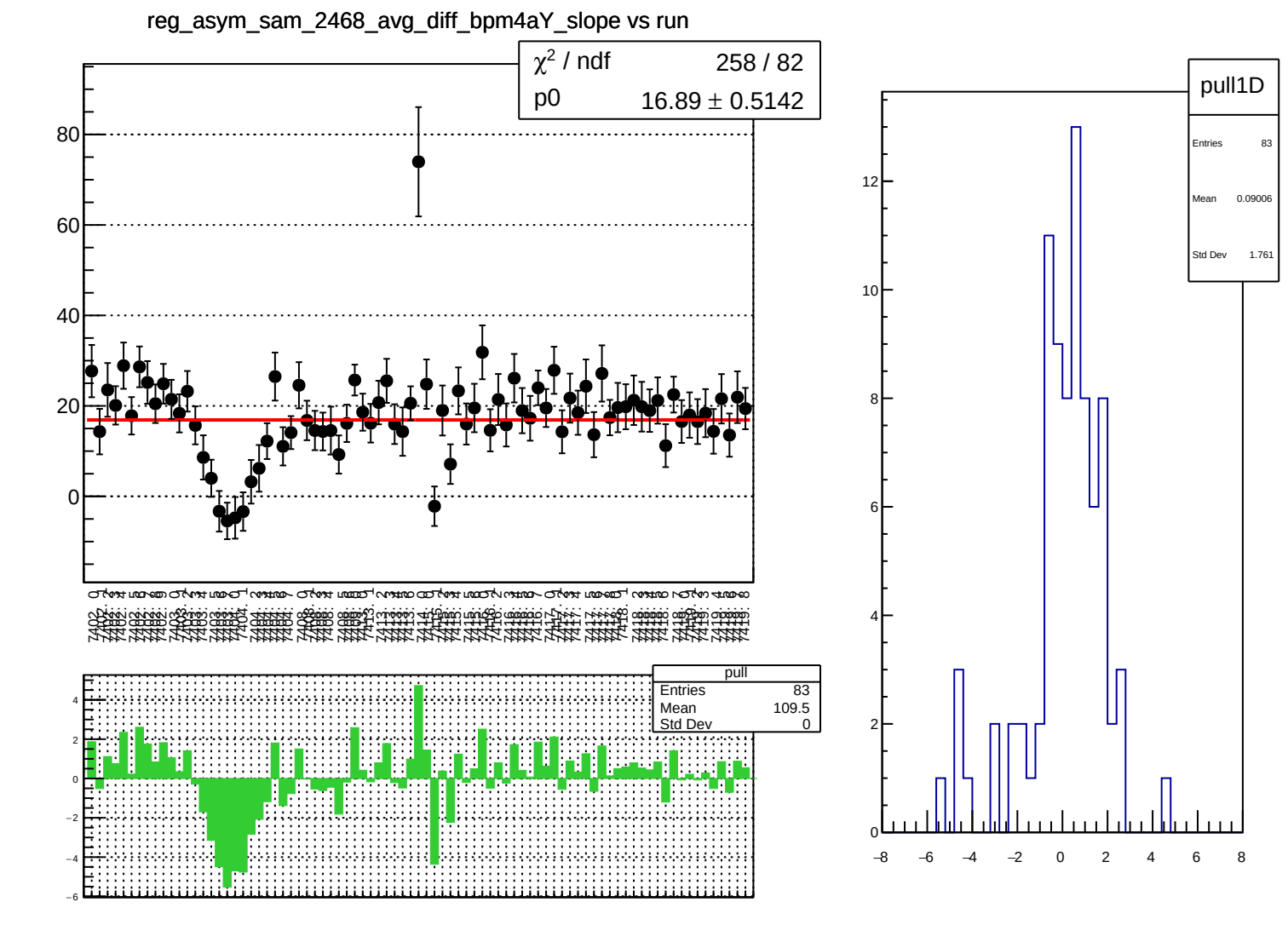

pull1D
Entries 83
Mean −0.08659
Std Dev 2.419

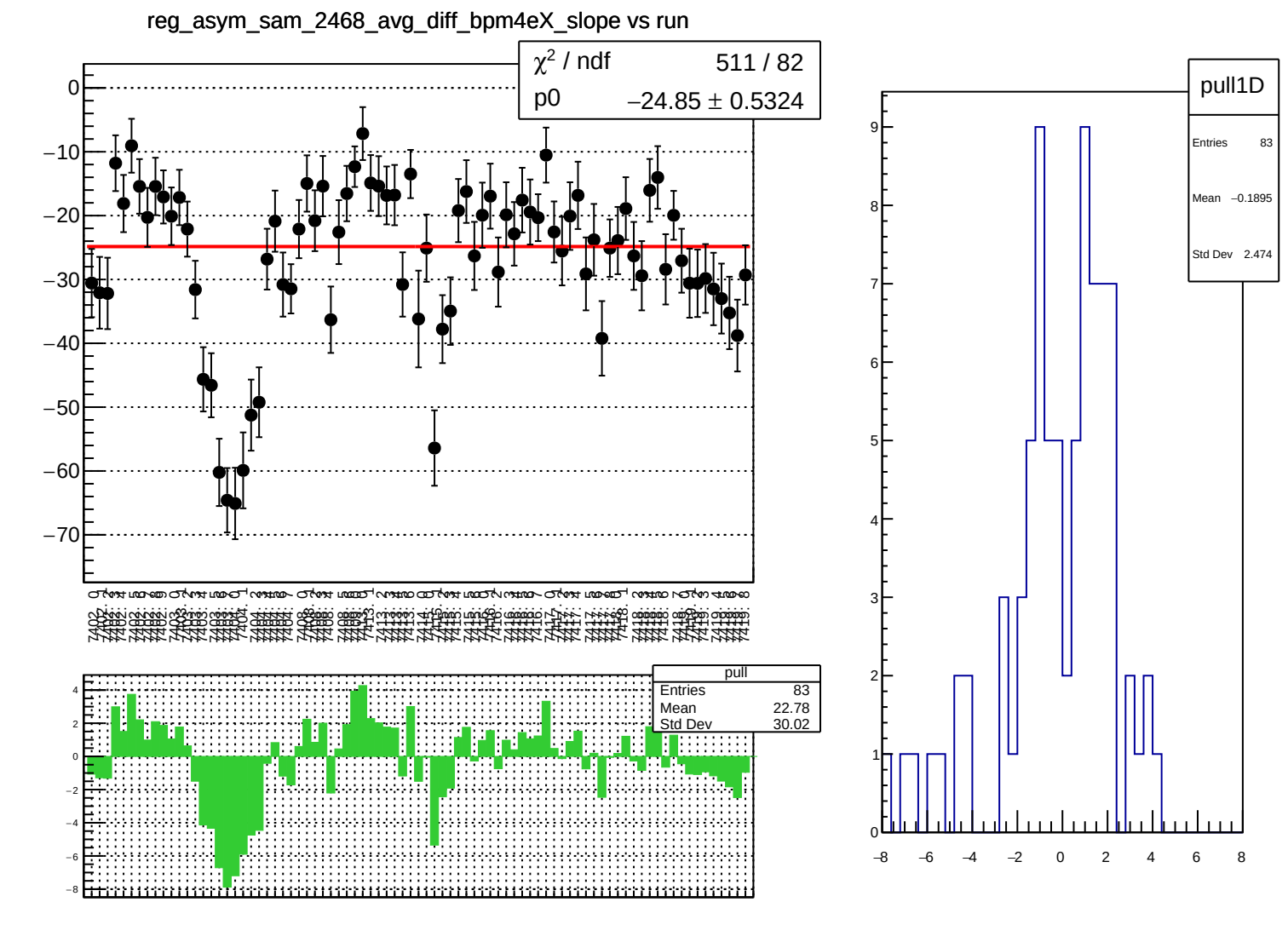

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 173.8 / 82
p0 23.12 ± 0.2976
pull
Entries 83
Mean −2595
Std Dev 0
pull1D
Entries 83
Mean −0.004316
Std Dev 1.447

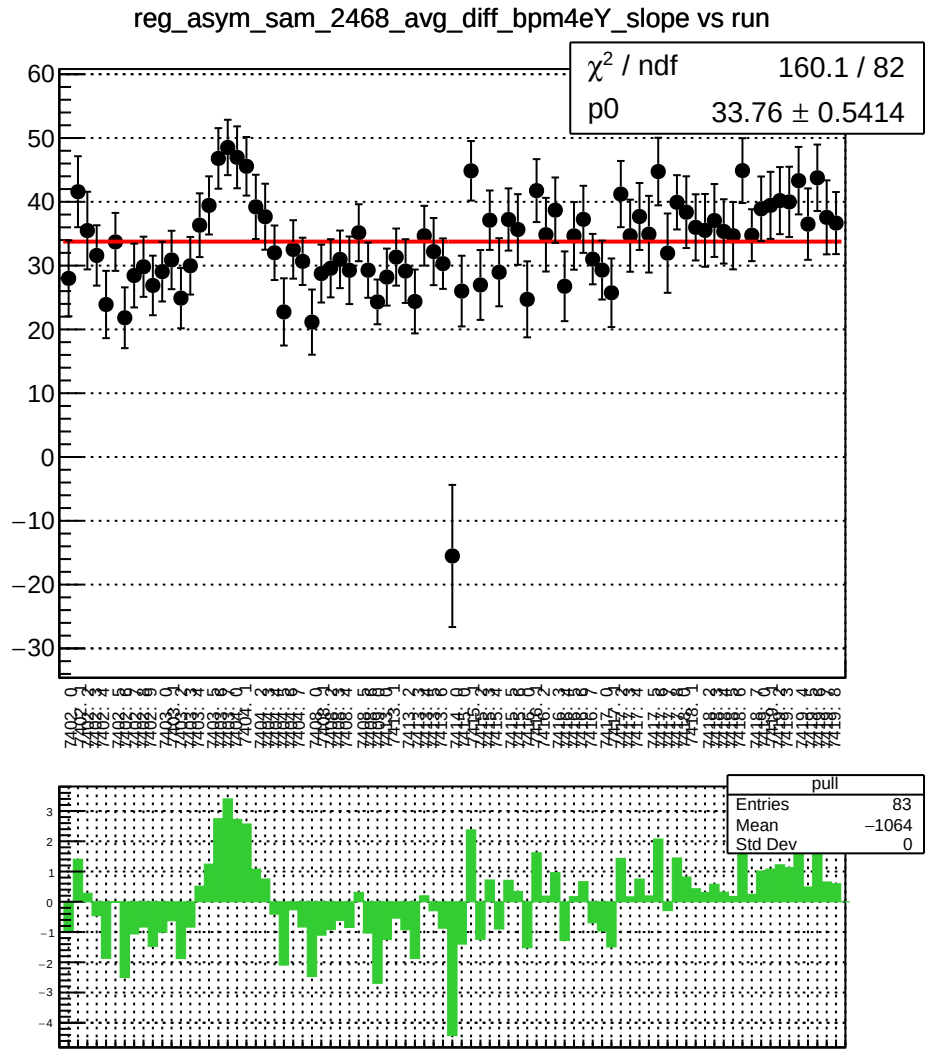

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 41.85 / 82
p0 0.2845 ± 0.01296
pull
Entries 83
Mean 610.5
Std Dev 0
pull1D
Entries 83
Mean 0.02729
Std Dev 0.7095

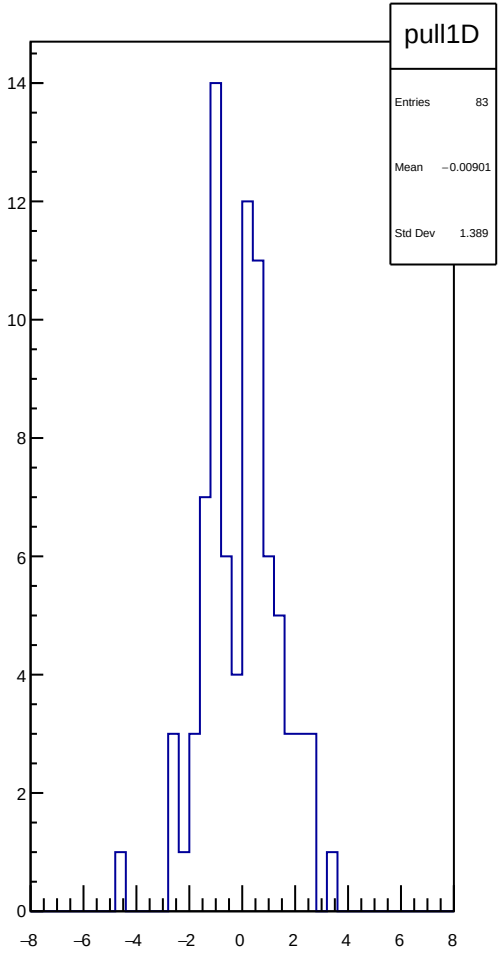

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 738.1 / 82
p0 −47.1 ± 0.5156
pull
Entries 83
Mean −92.15
Std Dev 0

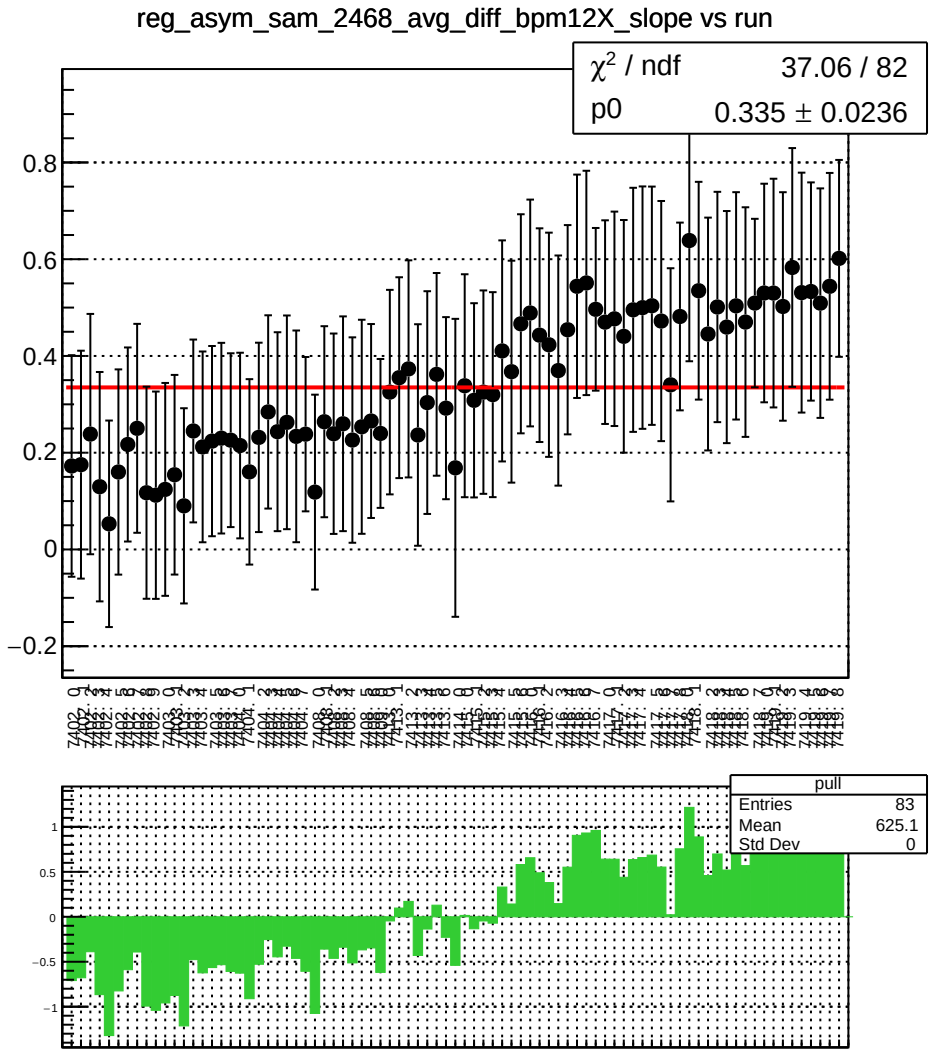

pull1D
Entries 83
Mean −0.185
Std Dev 2.47

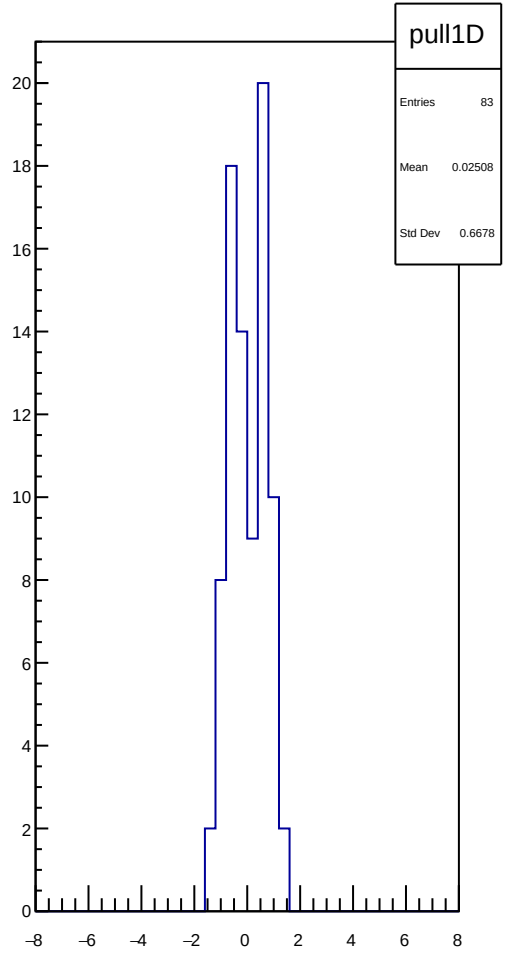

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 258 / 82
p0 16.89 ± 0.5142
pull
Entries 83
Mean 109.5
Std Dev 0
pull1D
Entries 83
Mean 0.09006
Std Dev 1.761

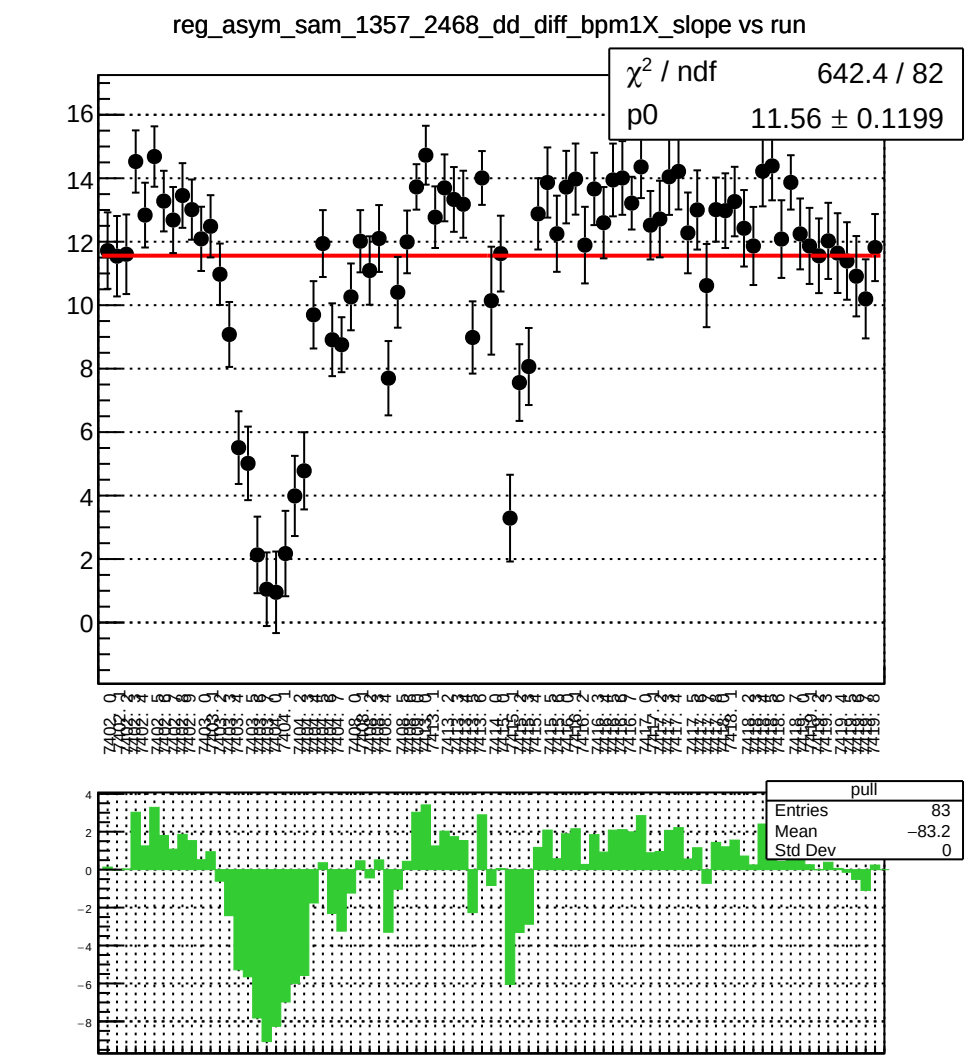

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 511 / 82
p0 −24.85 ± 0.5324
pull
Entries 83
Mean 22.78
Std Dev 30.02
pull1D
Entries 83
Mean −0.1895
Std Dev 2.474

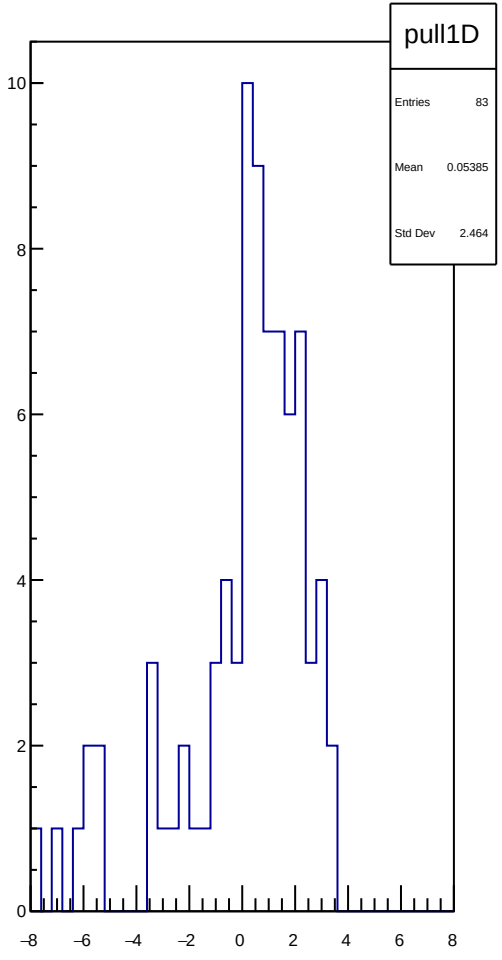

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 160.1 / 82
p0 33.76 ± 0.5414
pull
Entries 83
Mean −1064
Std Dev 0

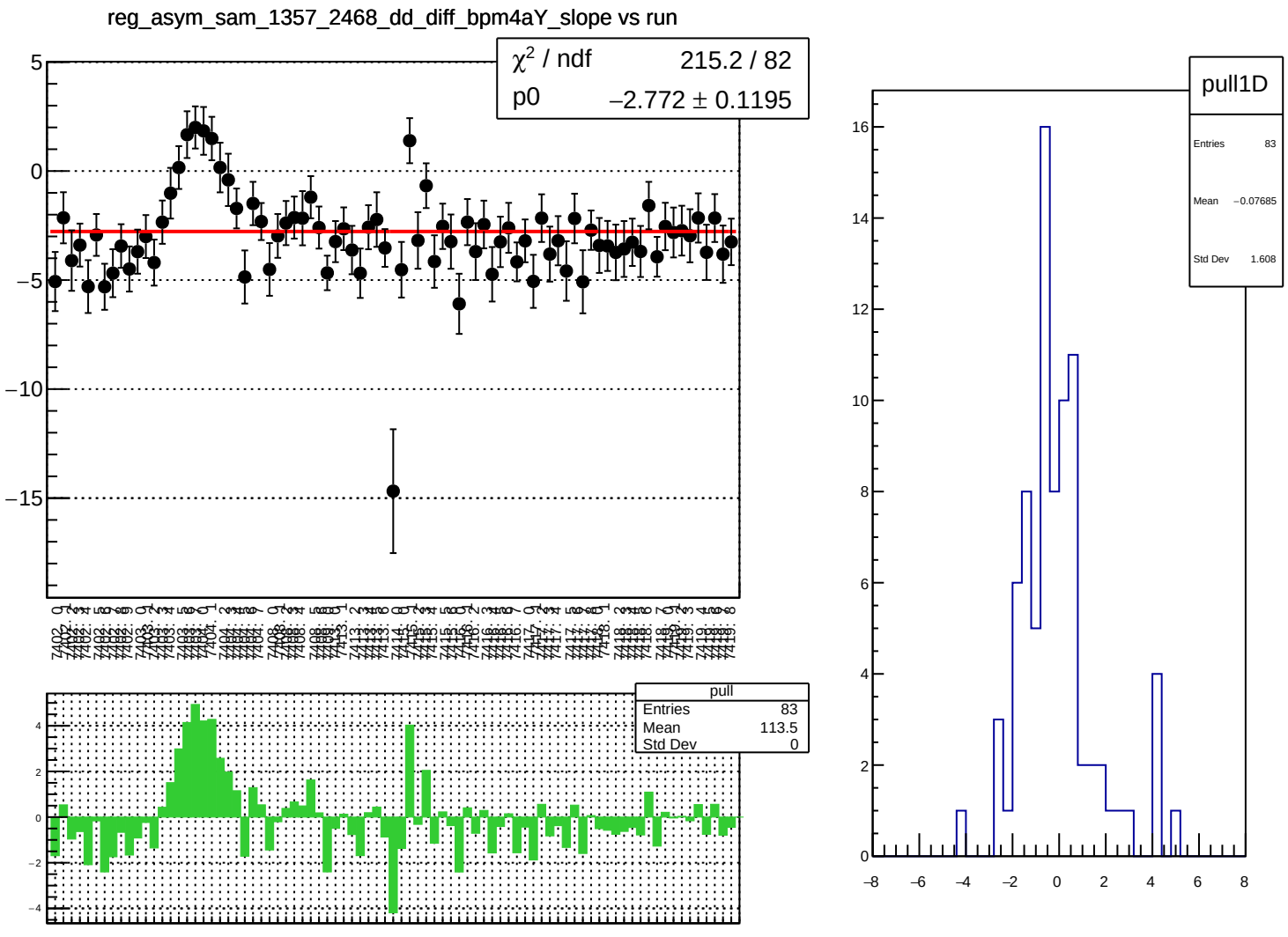

pull1D
Entries 83
Mean −0.00901
Std Dev 1.389

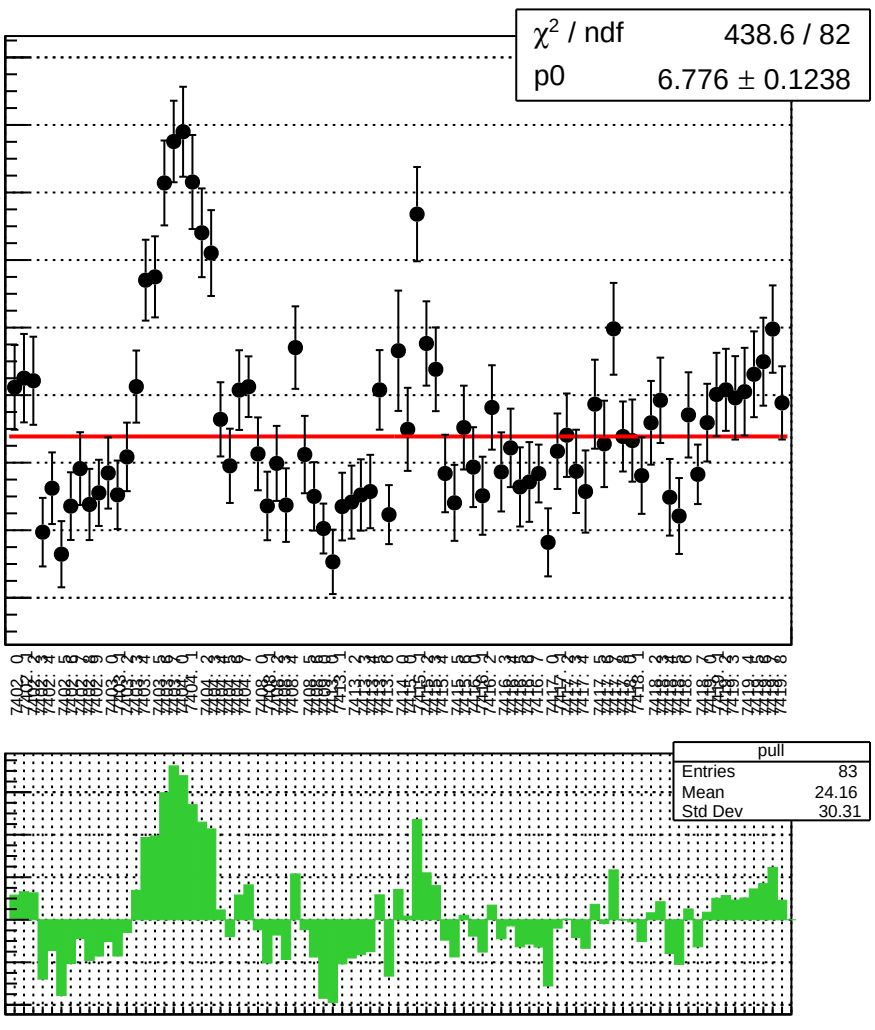

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 37.06 / 82
p0 0.335 ± 0.0236
pull
Entries 83
Mean 625.1
Std Dev 0

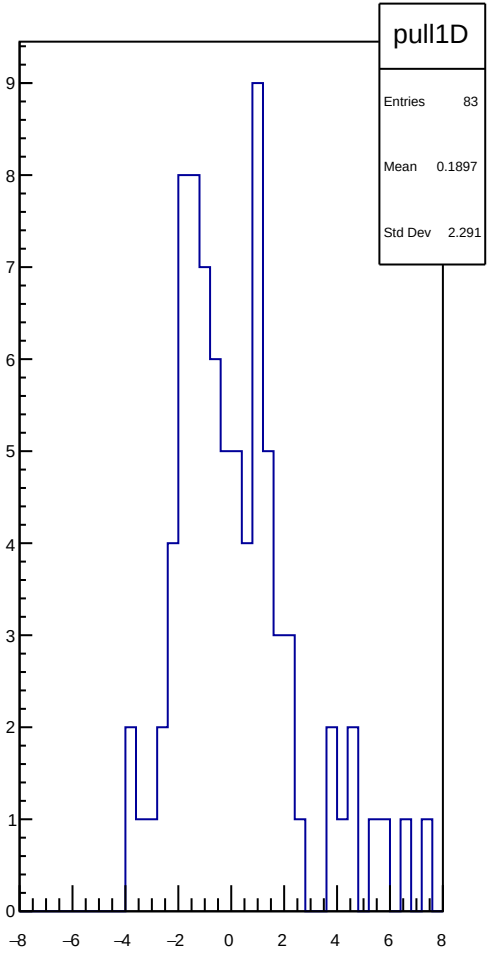

pull1D
Entries 83
Mean 0.02508
Std Dev 0.6678

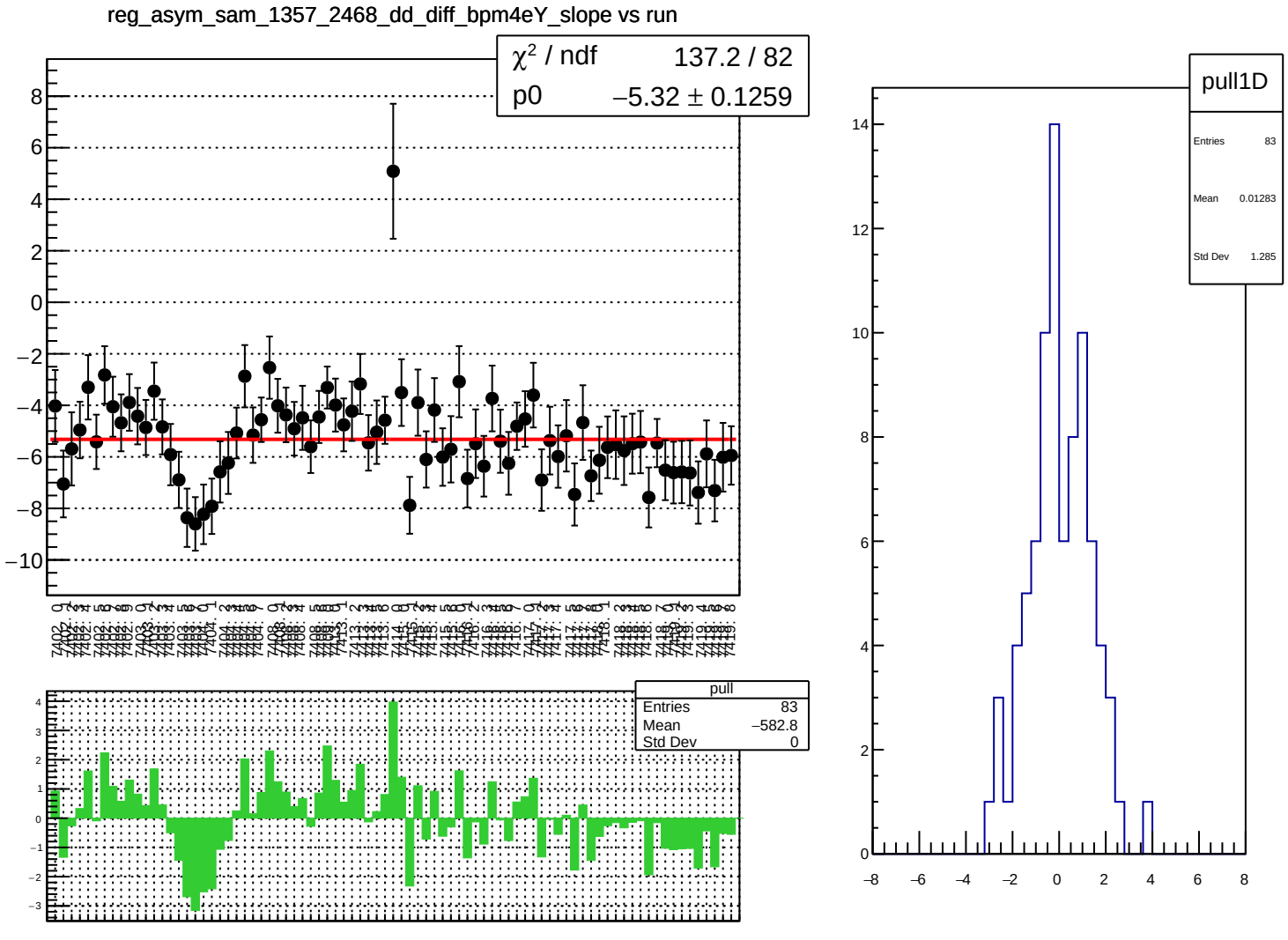

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 642.4 / 82
p0 11.56 ± 0.1199
pull
Entries 83
Mean −83.2
Std Dev 0

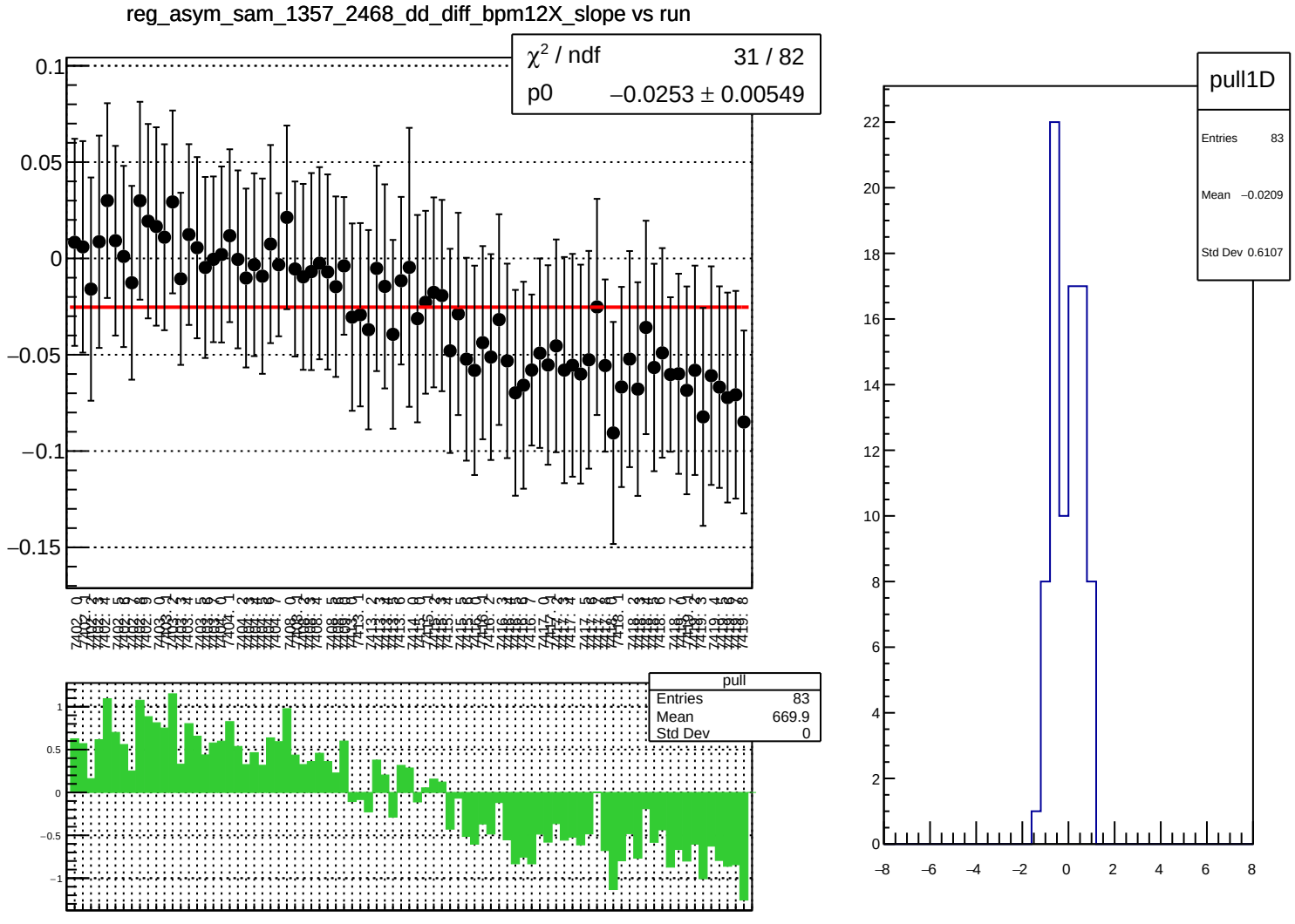

pull1D
Entries 83
Mean 0.05385
Std Dev 2.464

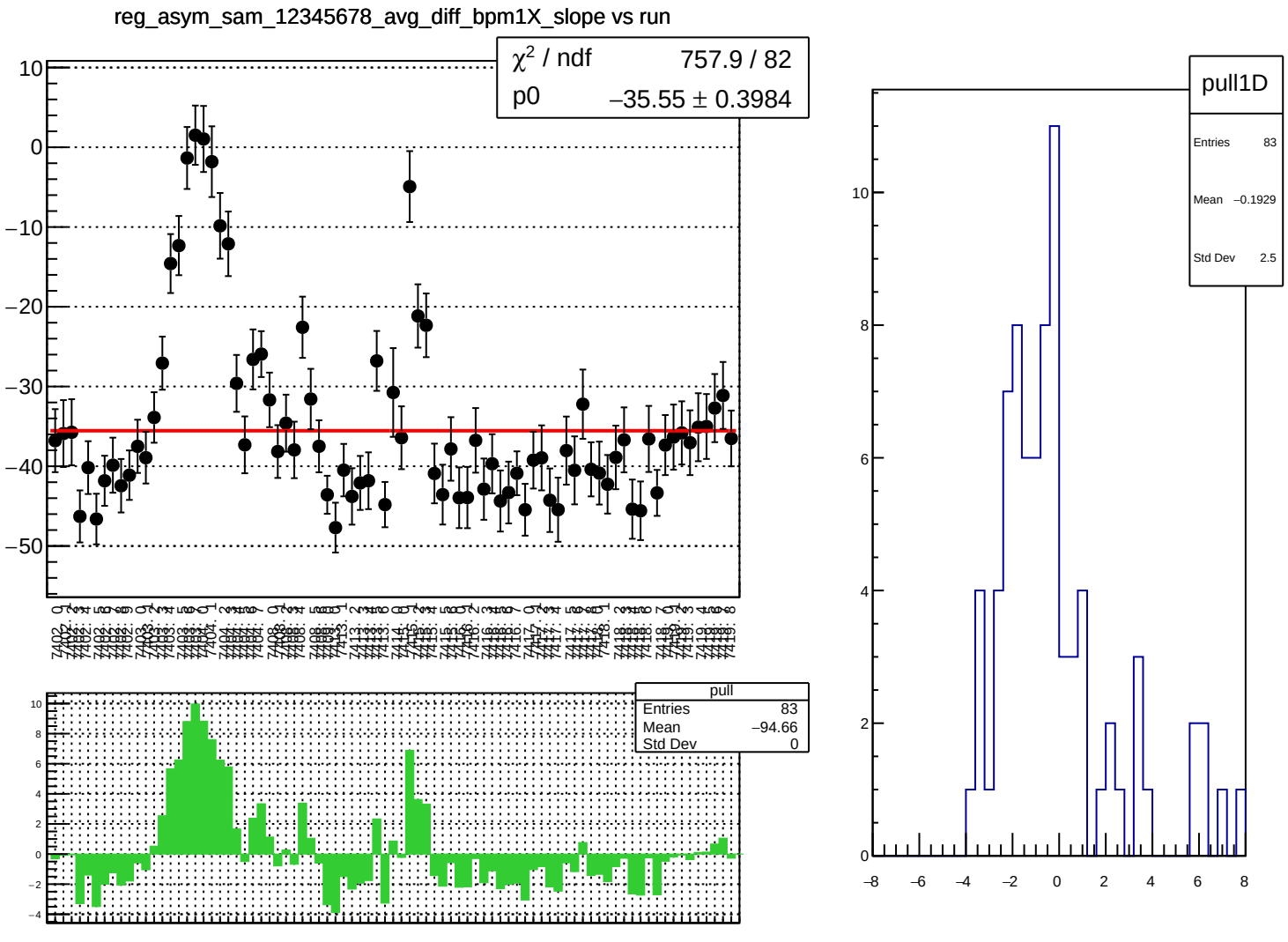

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 215.2 / 82
p0 −2.772 ± 0.1195
pull
Entries 83
Mean 113.5
Std Dev 0
pull1D
Entries 83
Mean −0.07685
Std Dev 1.608

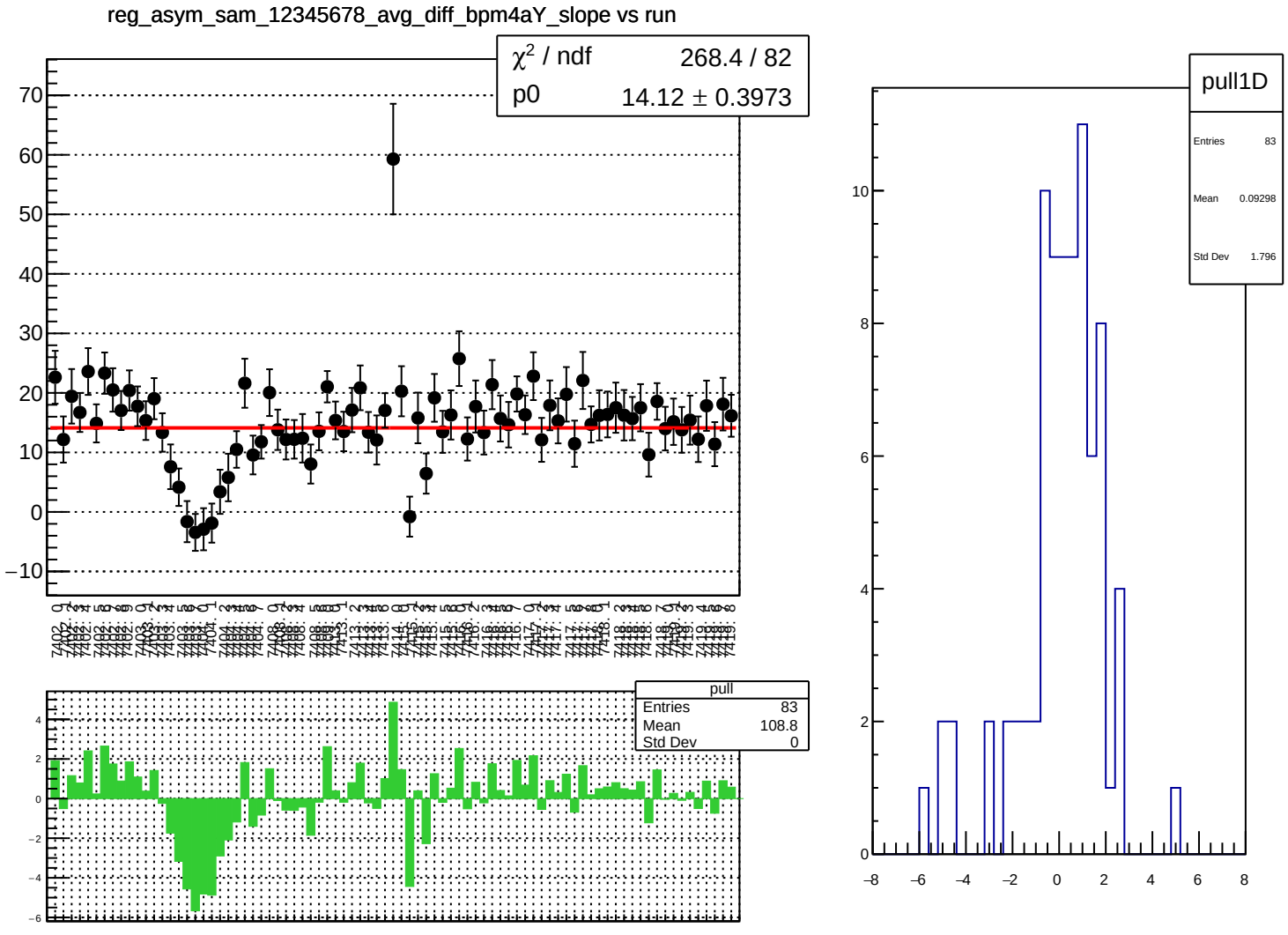

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 438.6 / 82
p0 6.776 ± 0.1238
pull
Entries 83
Mean 24.16
Std Dev 30.31

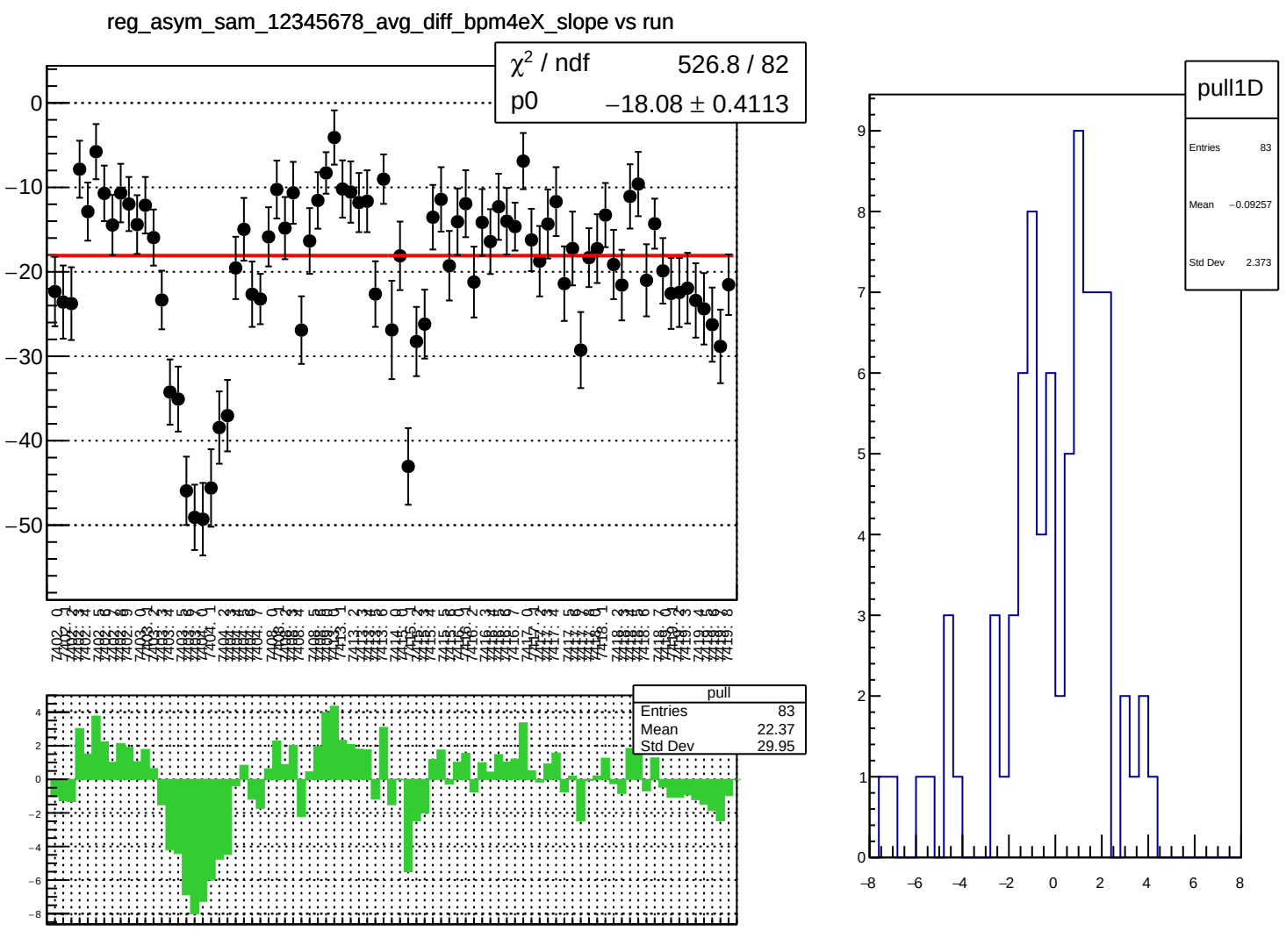

pull1D
Entries 83
Mean 0.1897
Std Dev 2.291

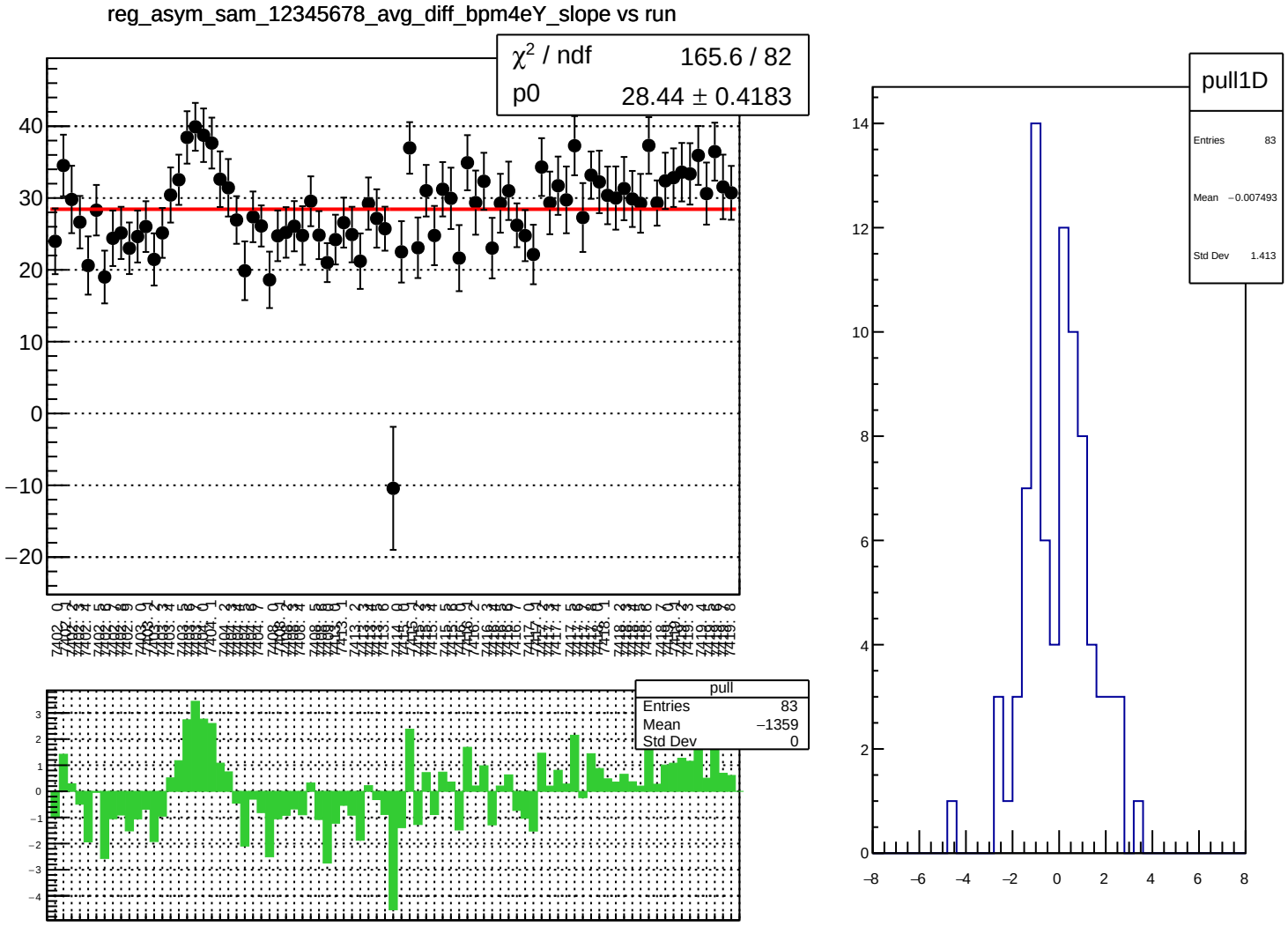

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 137.2 / 82
p0 −5.32 ± 0.1259
pull
Entries 83
Mean −582.8
Std Dev 0
pull1D
Entries 83
Mean 0.01283
Std Dev 1.285

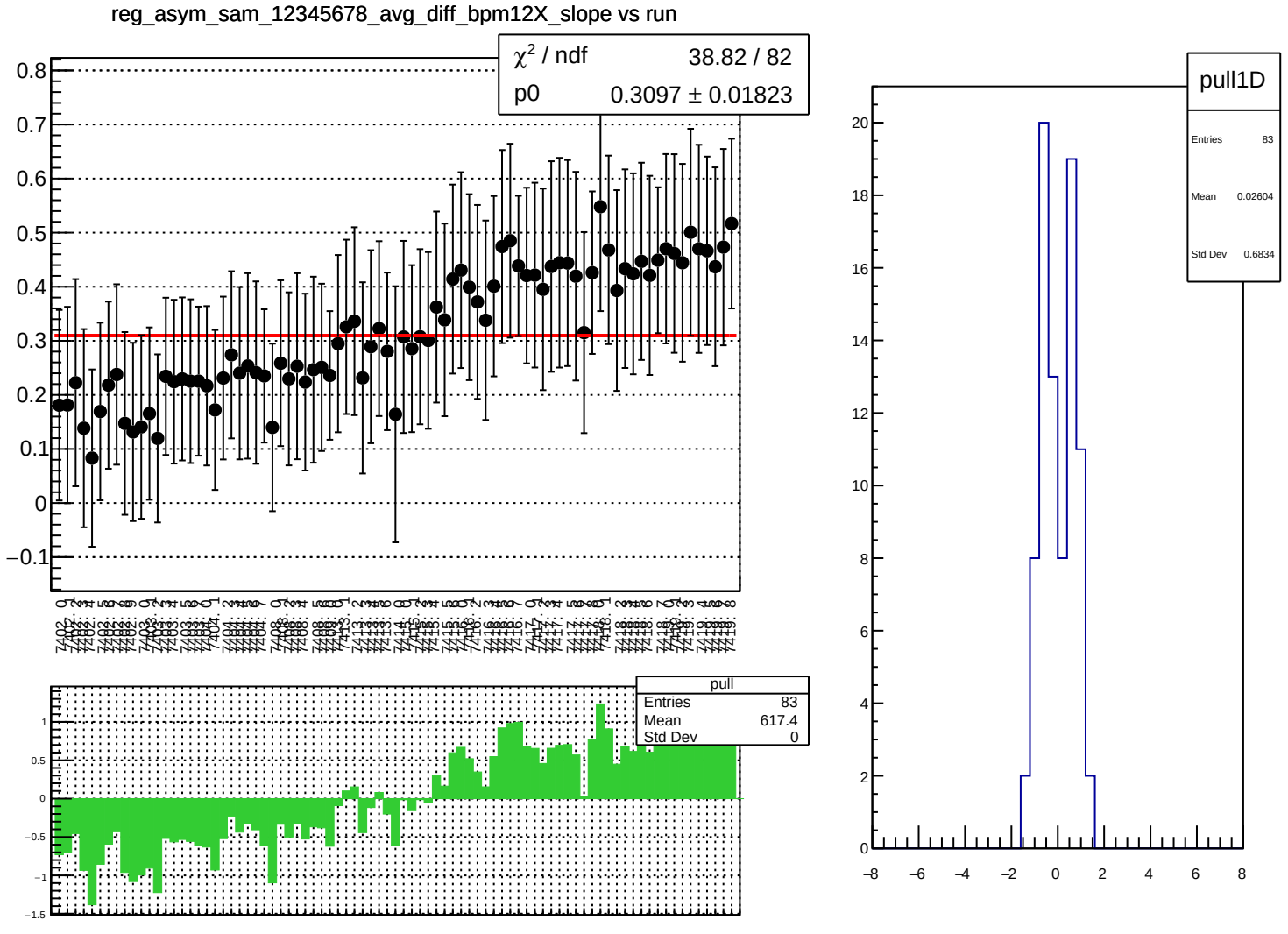

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 31 / 82
p0 −0.0253 ± 0.00549
pull
Entries 83
Mean 669.9
Std Dev 0
pull1D
Entries 83
Mean −0.0209
Std Dev 0.6107

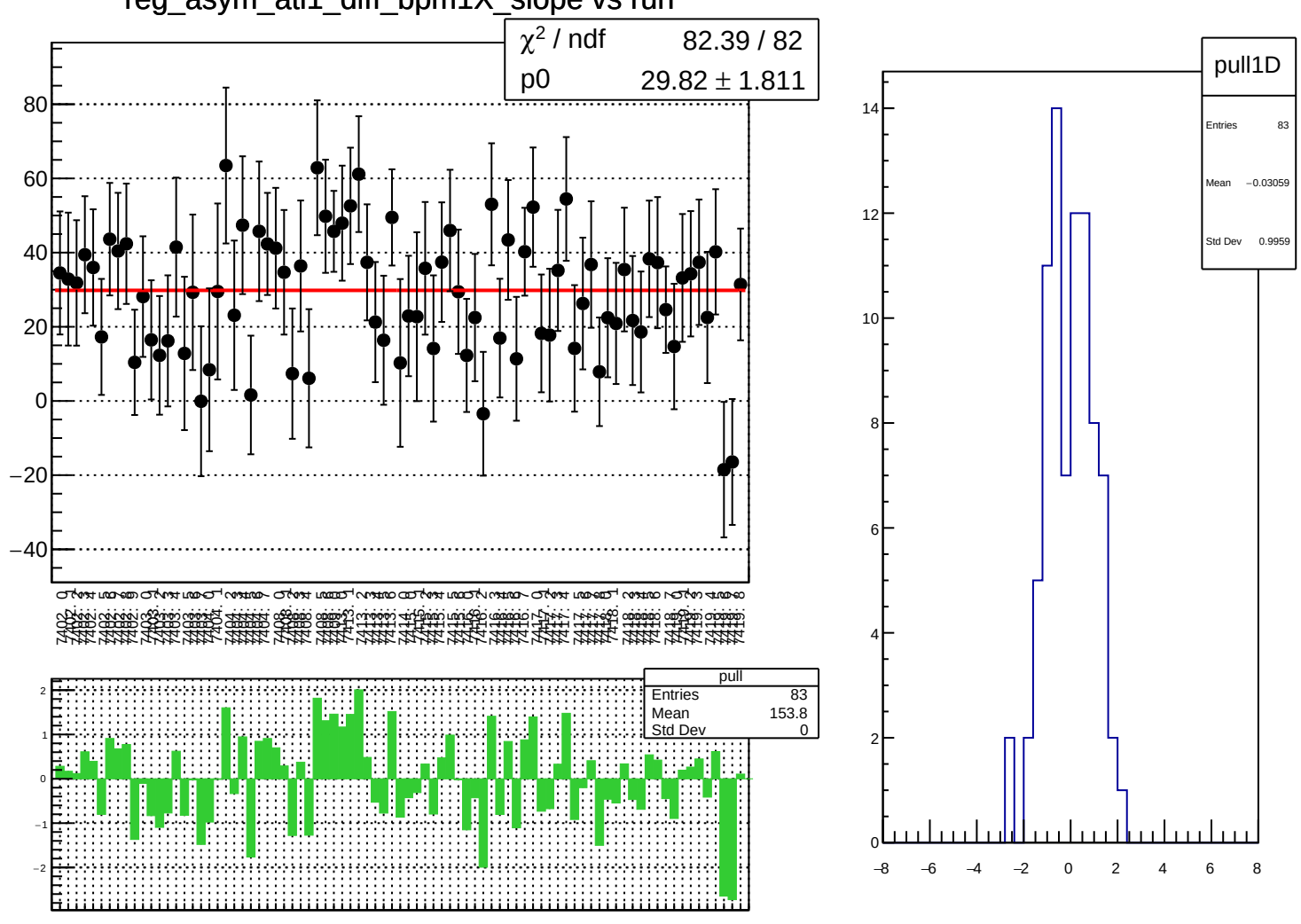

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 757.9 / 82
p0 −35.55 ± 0.3984
pull
Entries 83
Mean −94.66
Std Dev 0
pull1D
Entries 83
Mean −0.1929
Std Dev 2.5

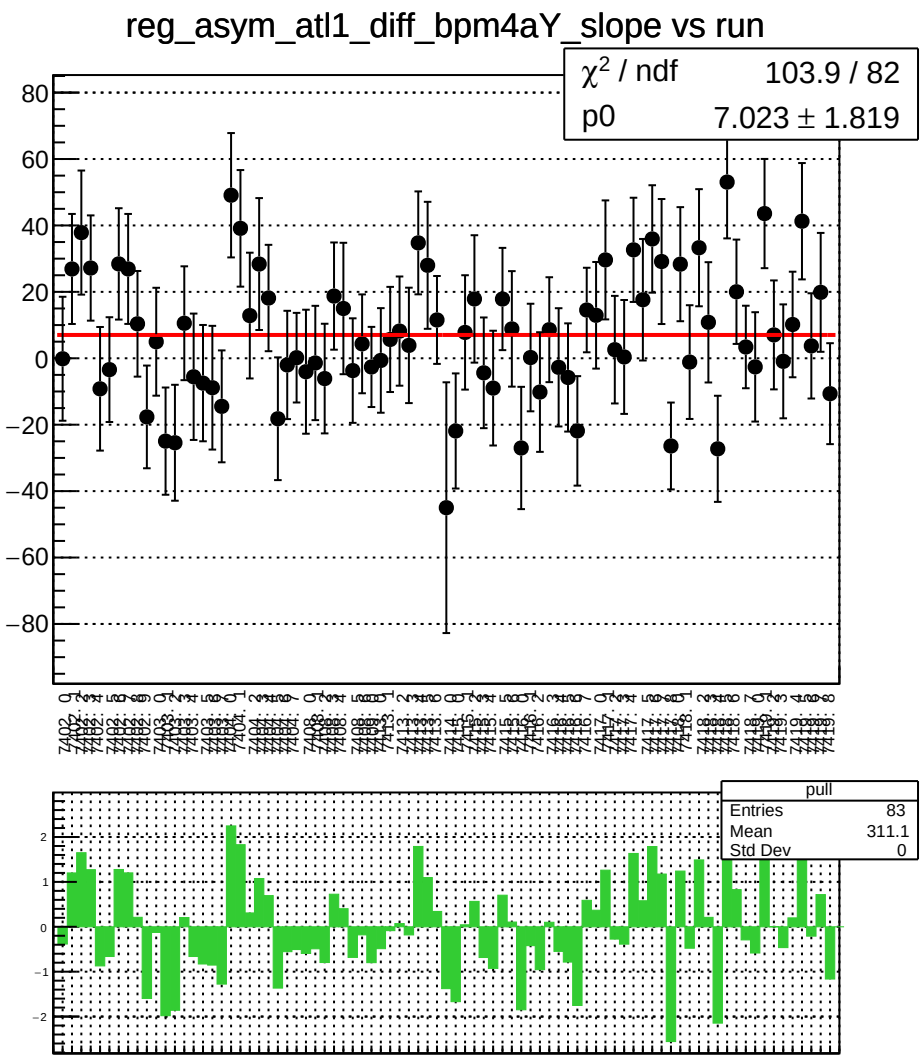

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 268.4 / 82
p0 14.12 ± 0.3973
pull
Entries 83
Mean 108.8
Std Dev 0
pull1D
Entries 83
Mean 0.09298
Std Dev 1.796

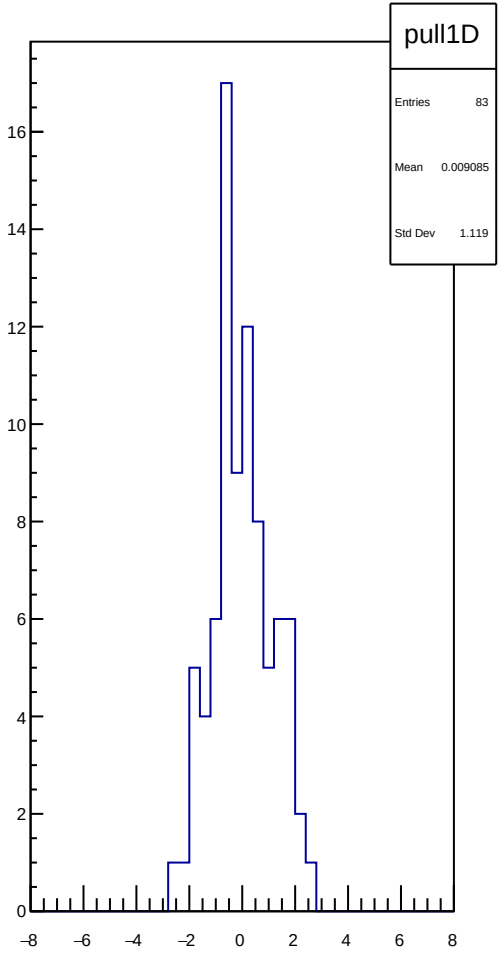

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 526.8 / 82
p0 −18.08 ± 0.4113
pull
Entries 83
Mean 22.37
Std Dev 29.95
pull1D
Entries 83
Mean −0.09257
Std Dev 2.373

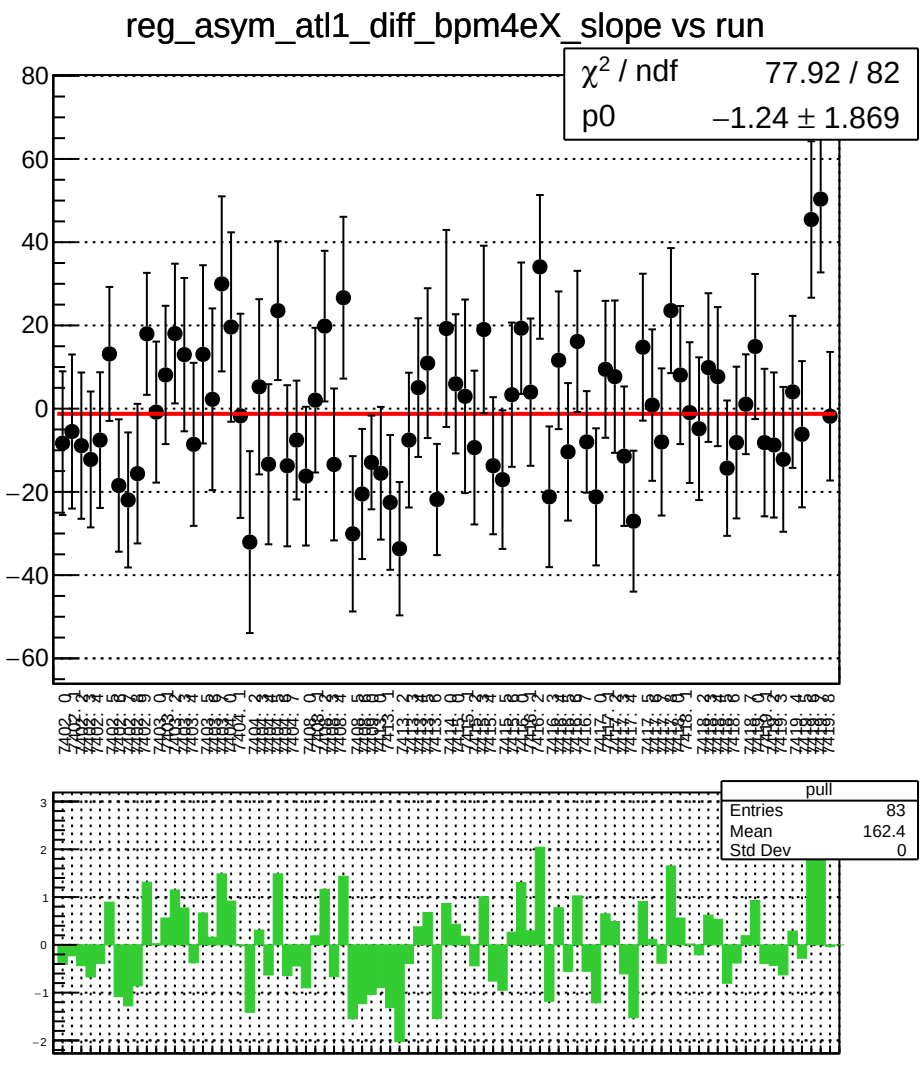

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 165.6 / 82
p0 28.44 ± 0.4183
pull
Entries 83
Mean −1359
Std Dev 0
pull1D
Entries 83
Mean −0.007493
Std Dev 1.413

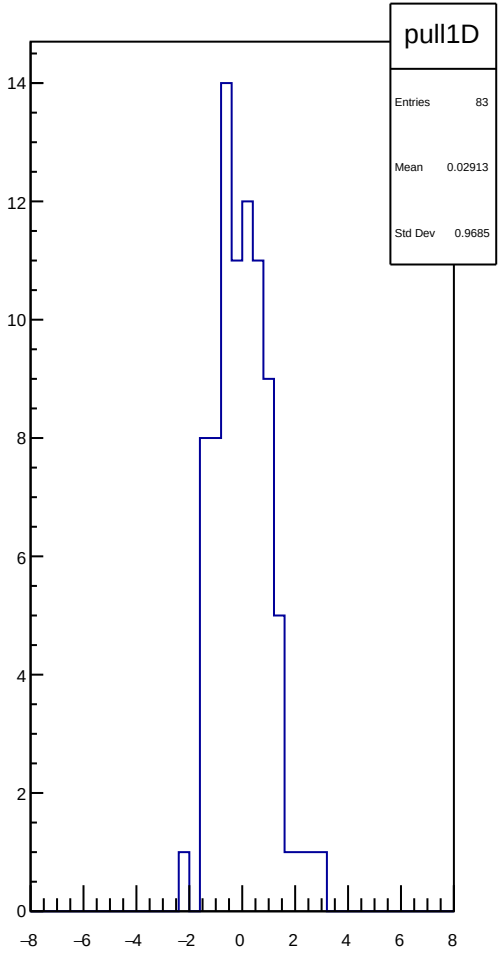

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 38.82 / 82
p0 0.3097 ± 0.01823
pull
Entries 83
Mean 617.4
Std Dev 0
pull1D
Entries 83
Mean 0.02604
Std Dev 0.6834

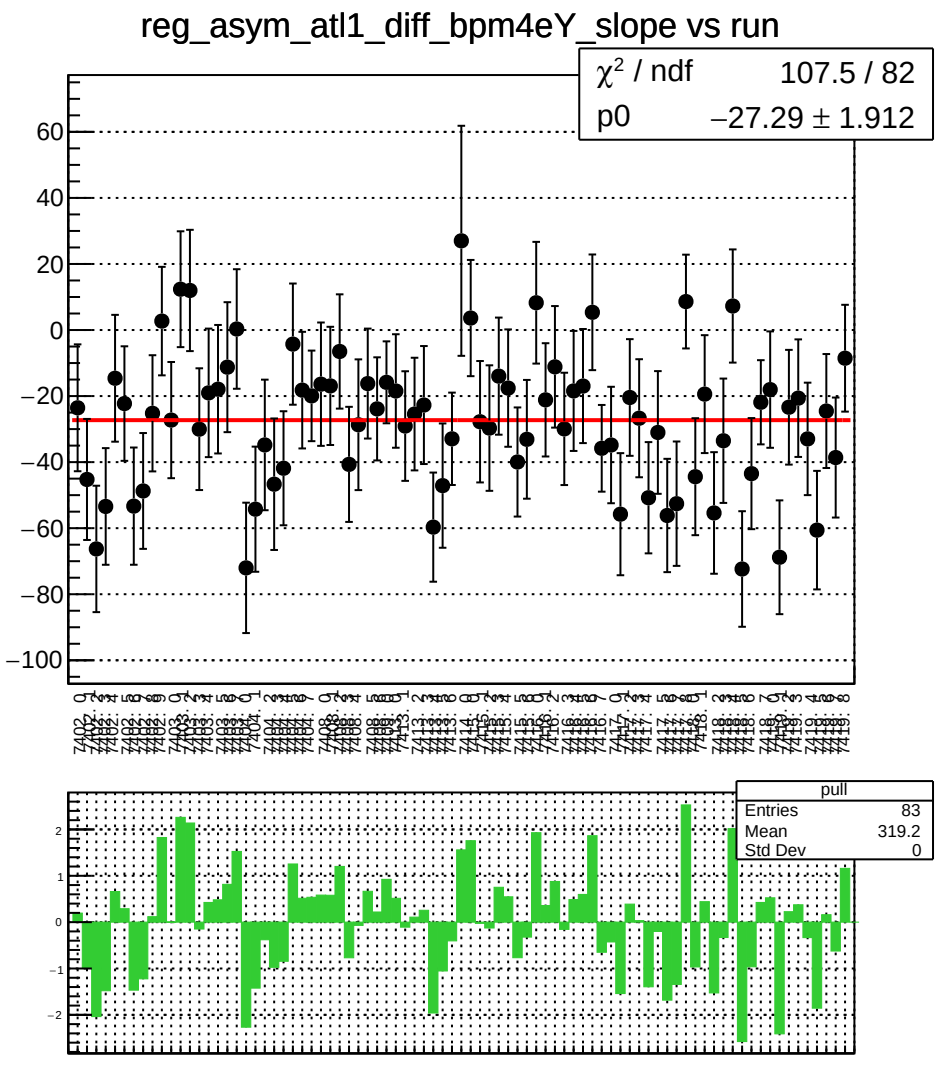

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 82.39 / 82
p0 29.82 ± 1.811
pull
Entries 83
Mean 153.8
Std Dev 0
pull1D
Entries 83
Mean −0.03059
Std Dev 0.9959

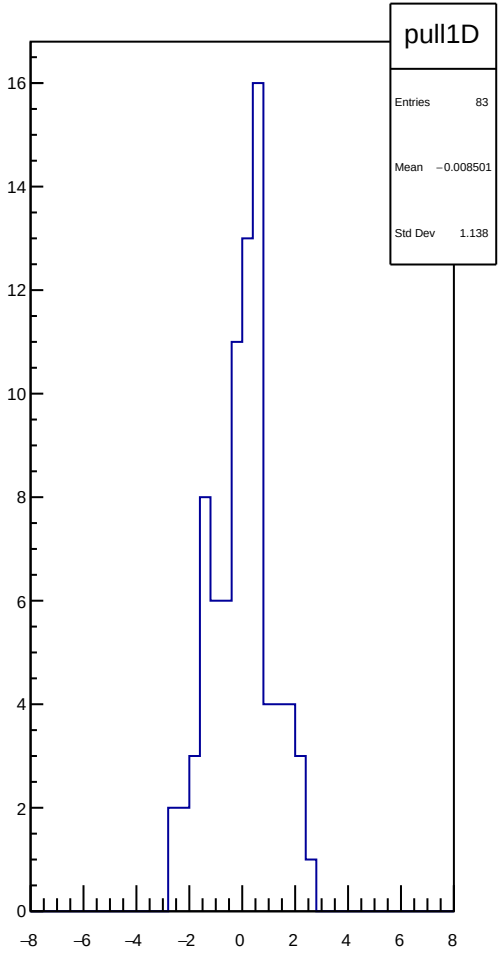

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 103.9 / 82
p0 7.023 ± 1.819
pull
Entries 83
Mean 311.1
Std Dev 0

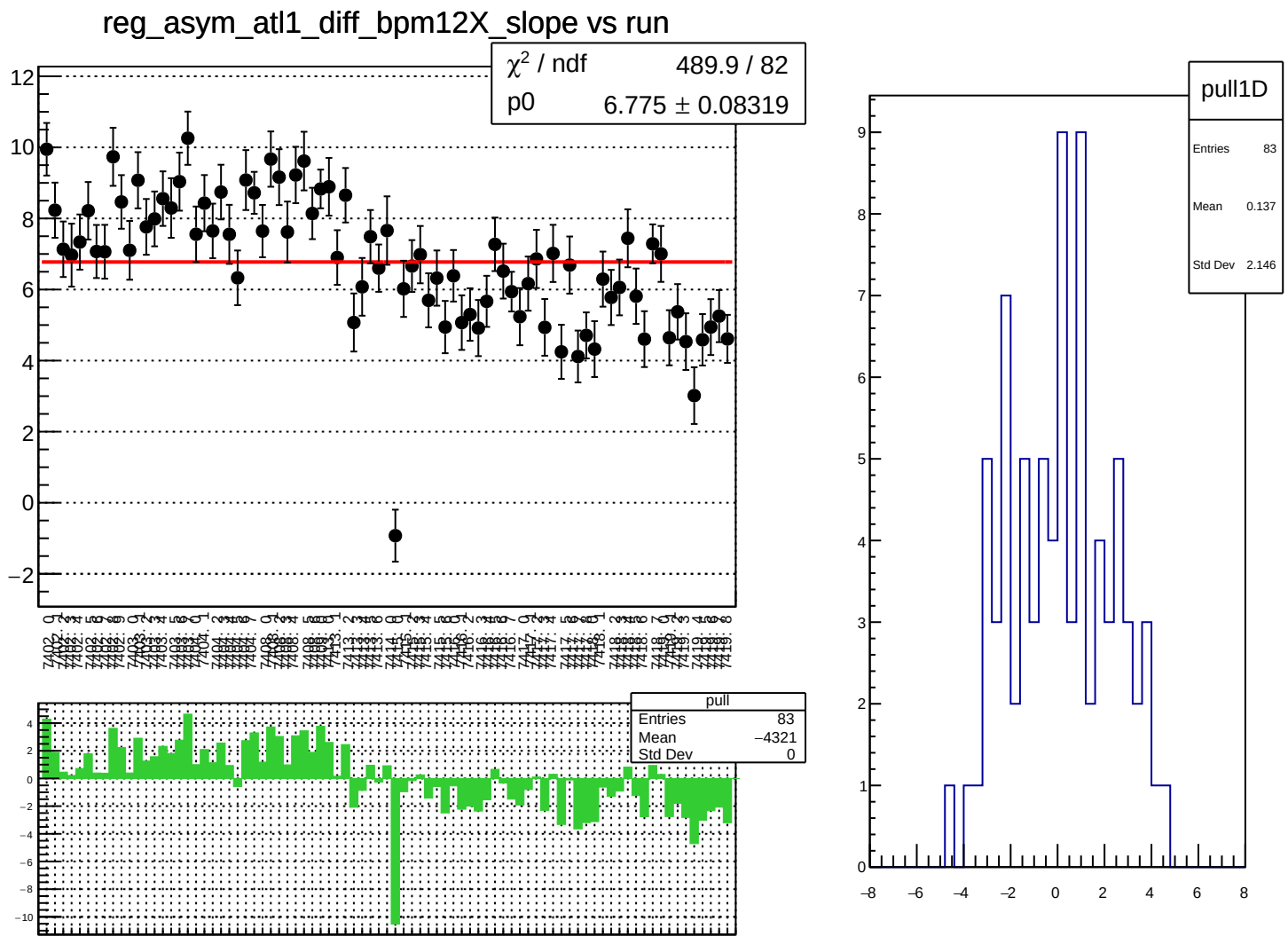

pull1D
Entries 83
Mean 0.009085
Std Dev 1.119

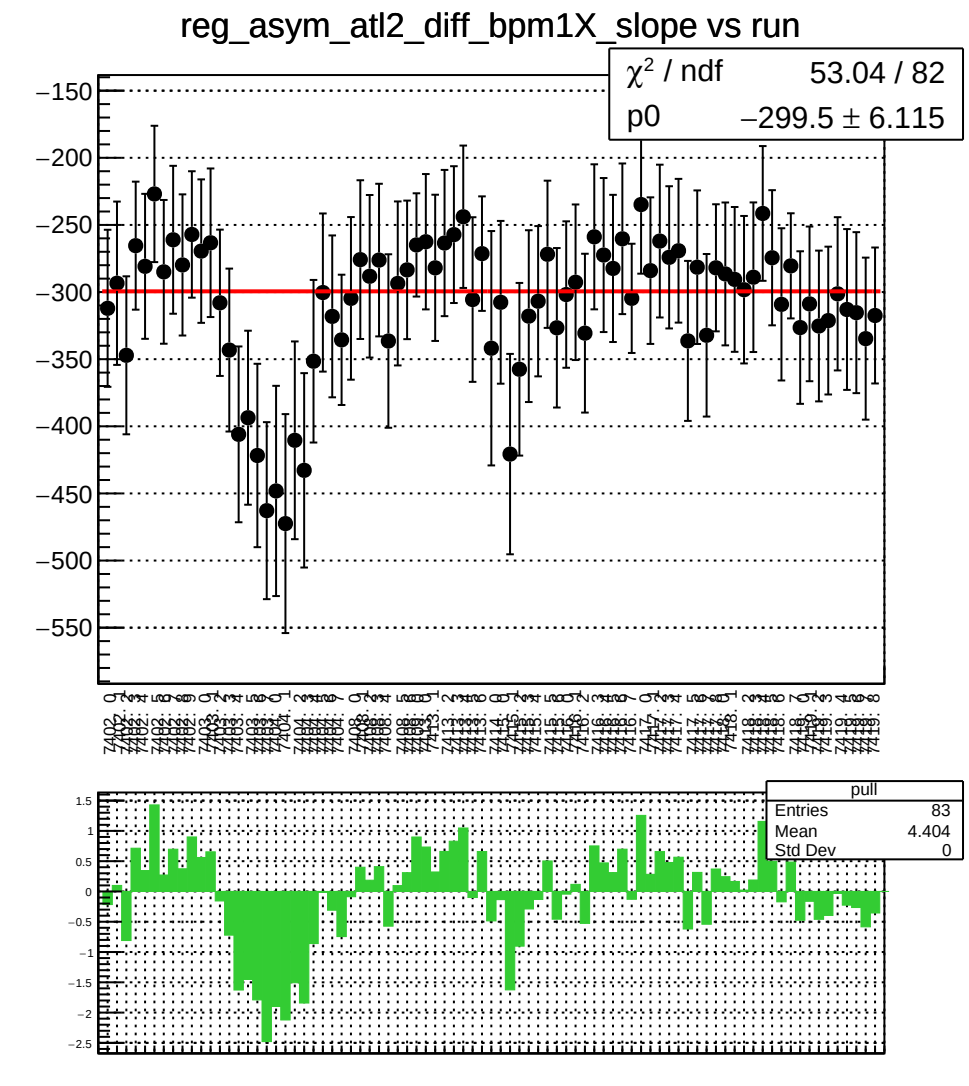

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 77.92 / 82
p0 −1.24 ± 1.869
pull
Entries 83
Mean 162.4
Std Dev 0

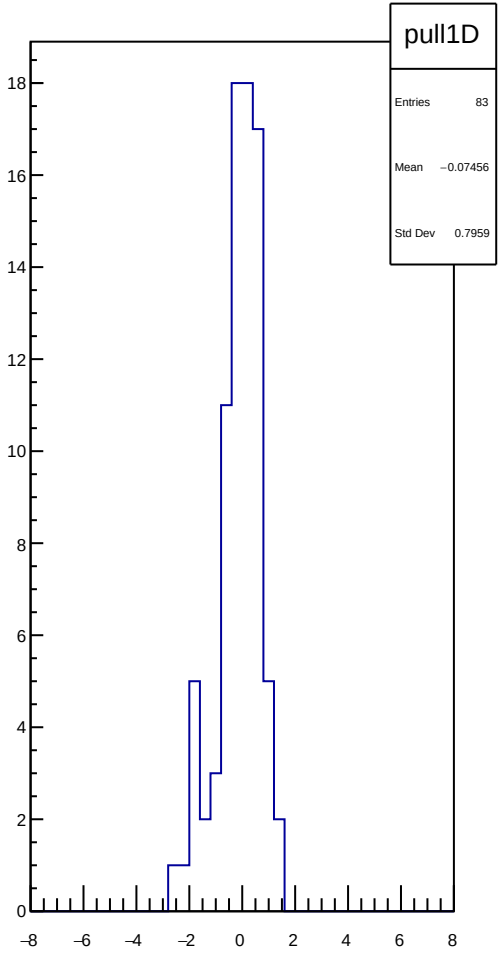

pull1D
Entries 83
Mean 0.02913
Std Dev 0.9685

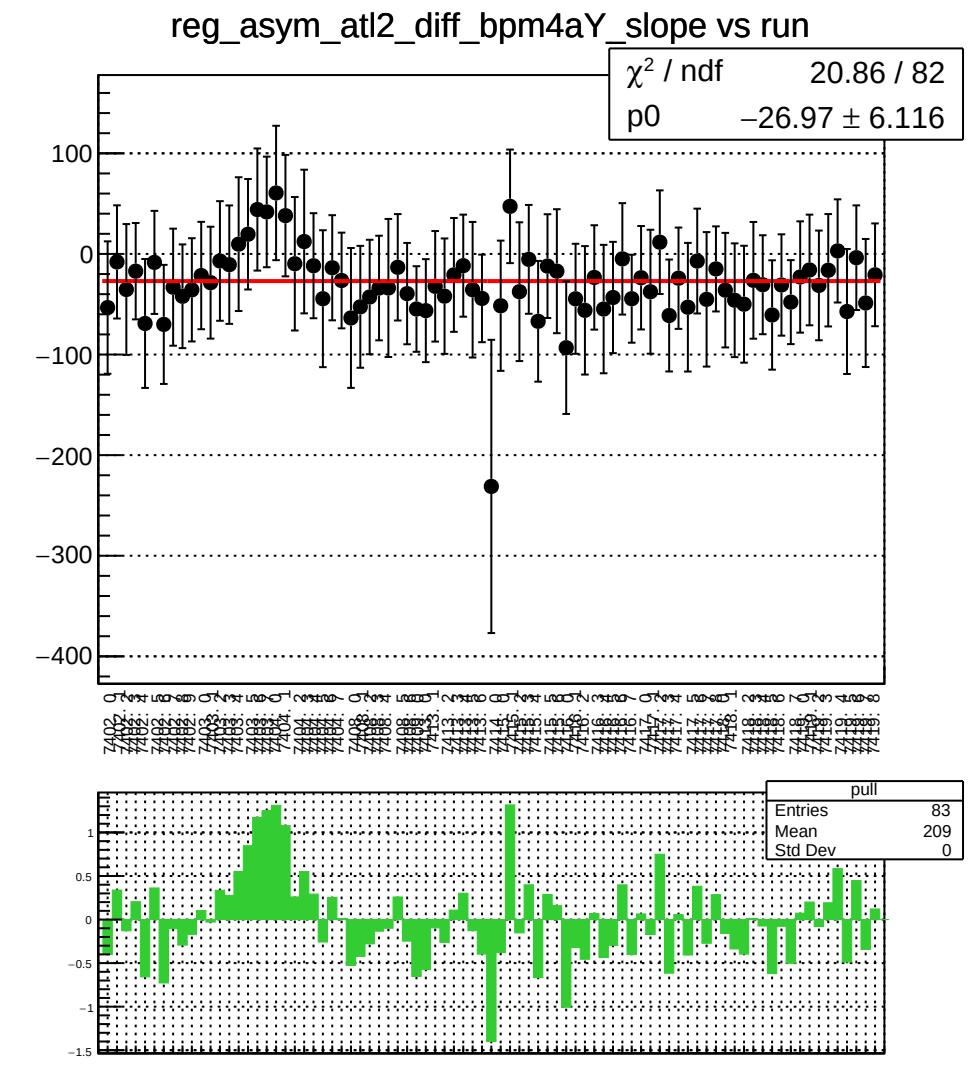

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 107.5 / 82
p0 −27.29 ± 1.912
pull
Entries 83
Mean 319.2
Std Dev 0

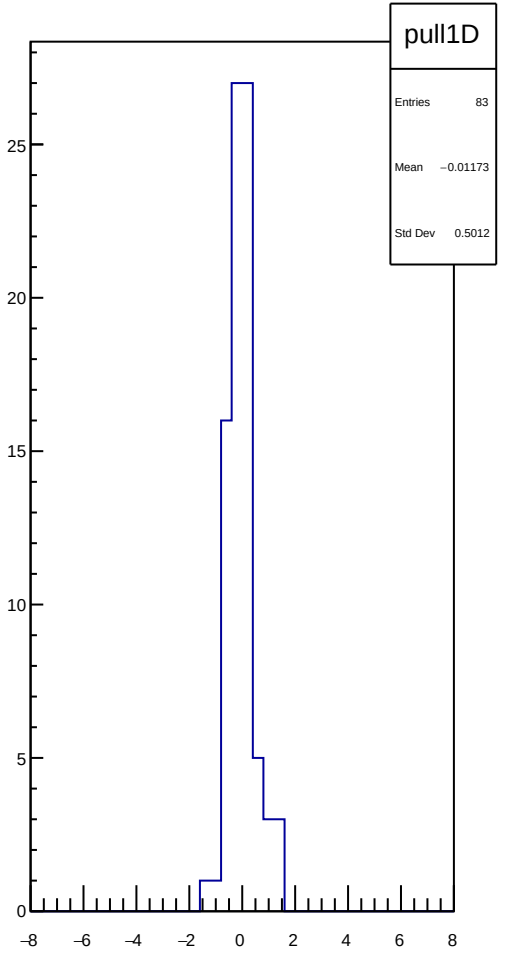

pull1D
Entries 83
Mean −0.008501
Std Dev 1.138

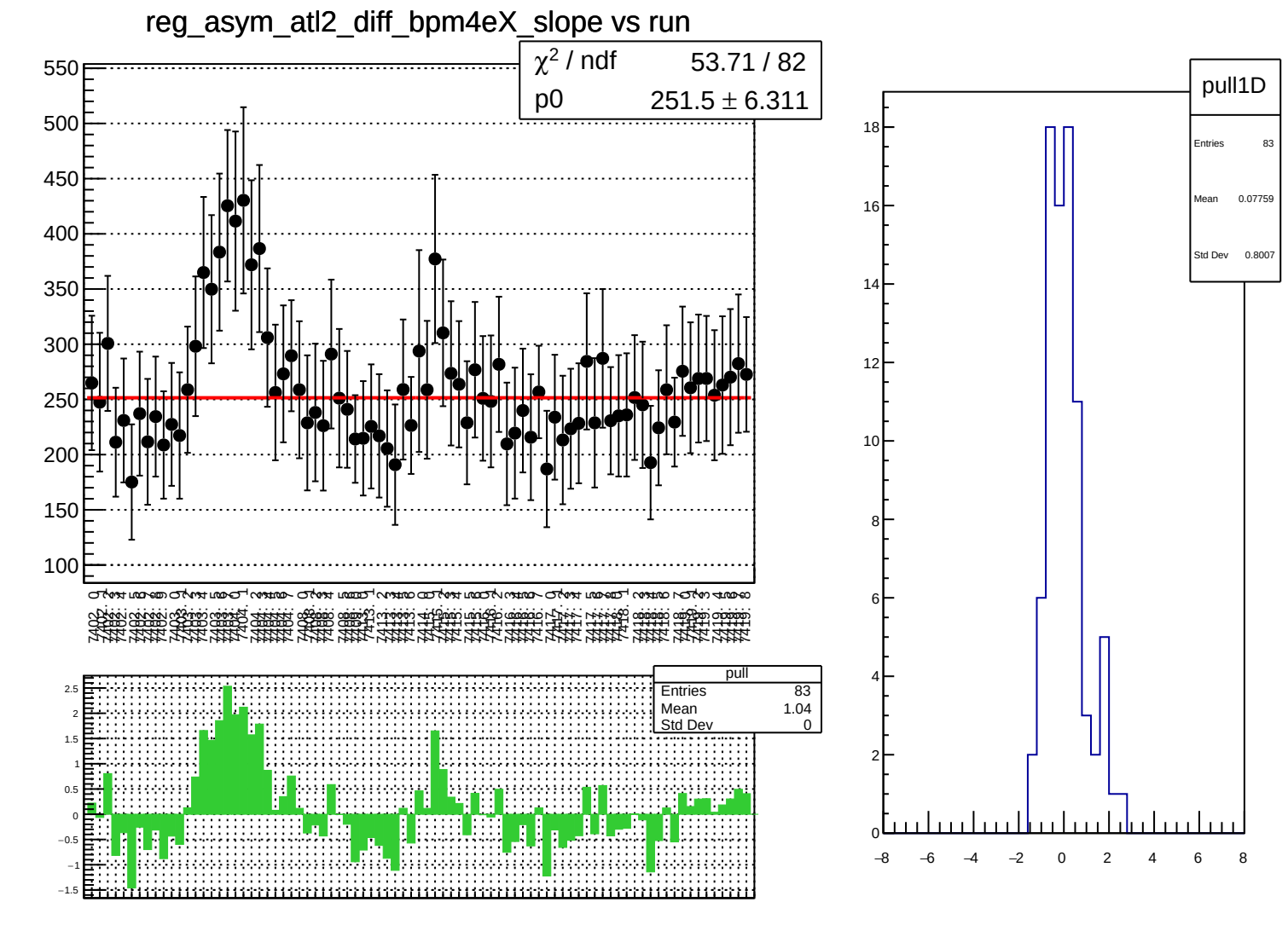

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 489.9 / 82
p0 6.775 ± 0.08319
pull
Entries 83
Mean −4321
Std Dev 0
pull1D
Entries 83
Mean 0.137
Std Dev 2.146

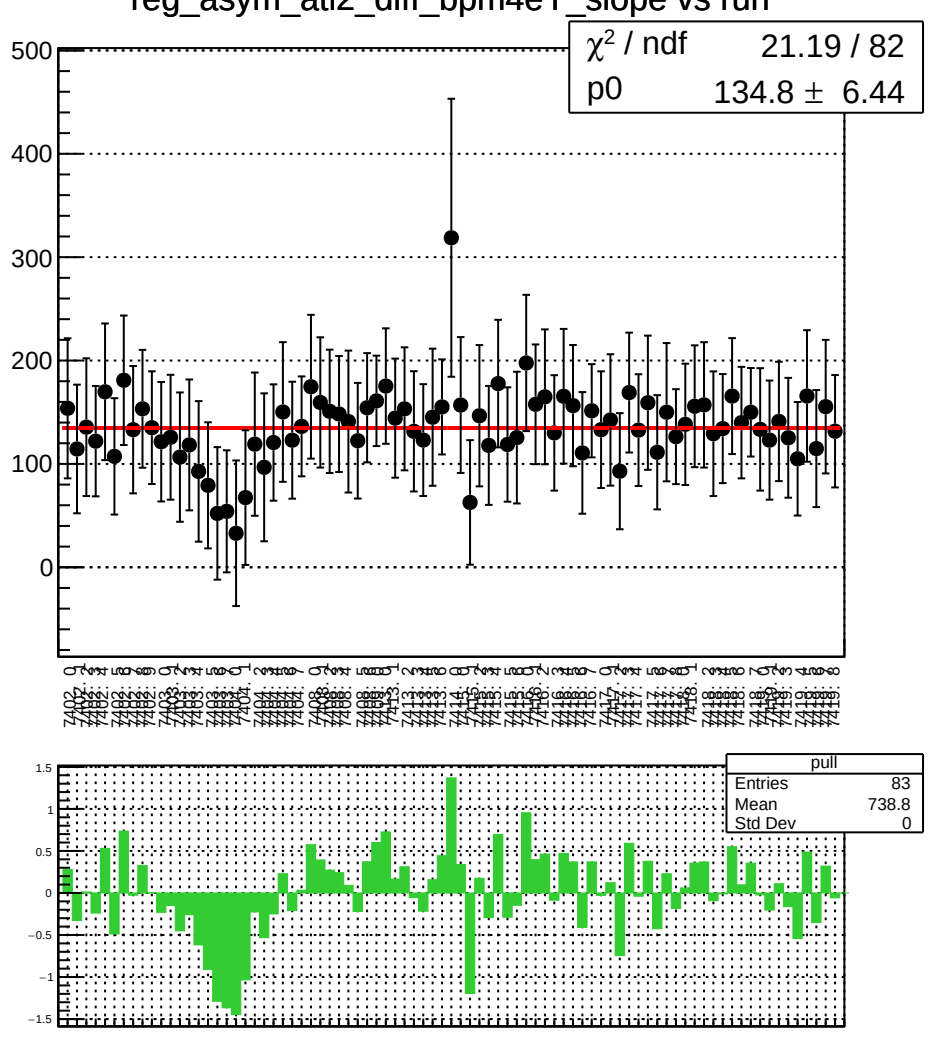

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 53.04 / 82
p0 −299.5 ± 6.115
pull
Entries 83
Mean 4.404
Std Dev 0

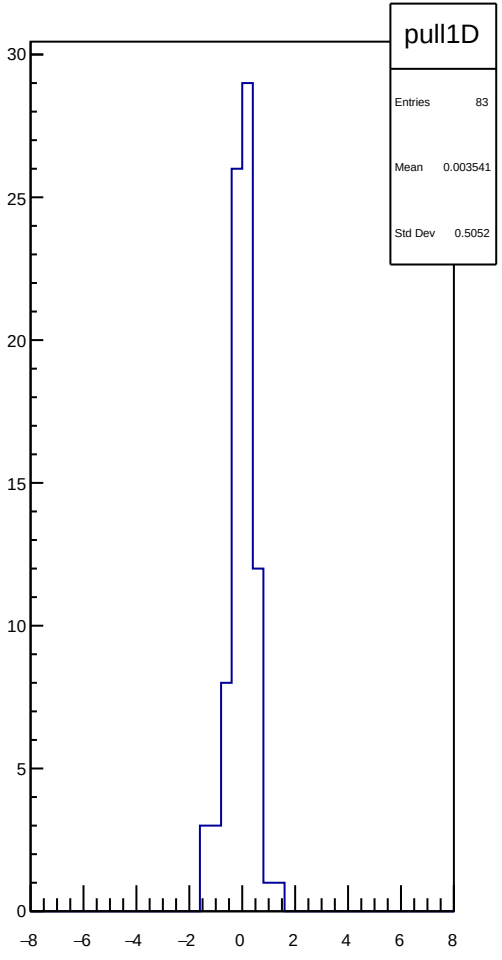

pull1D
Entries 83
Mean −0.07456
Std Dev 0.7959

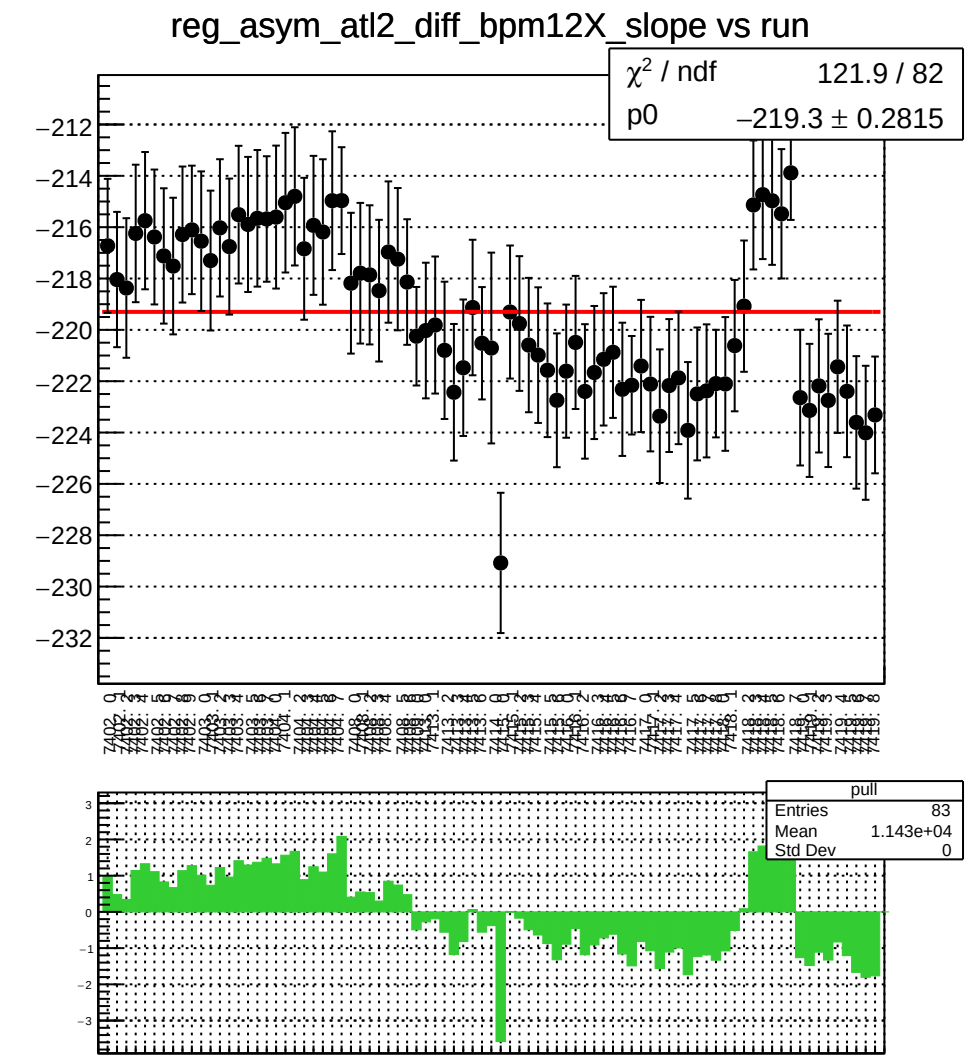

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 20.86 / 82
p0 −26.97 ± 6.116
100
0
−100
−200
−300
−400
pull
Entries 83
Mean 209
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

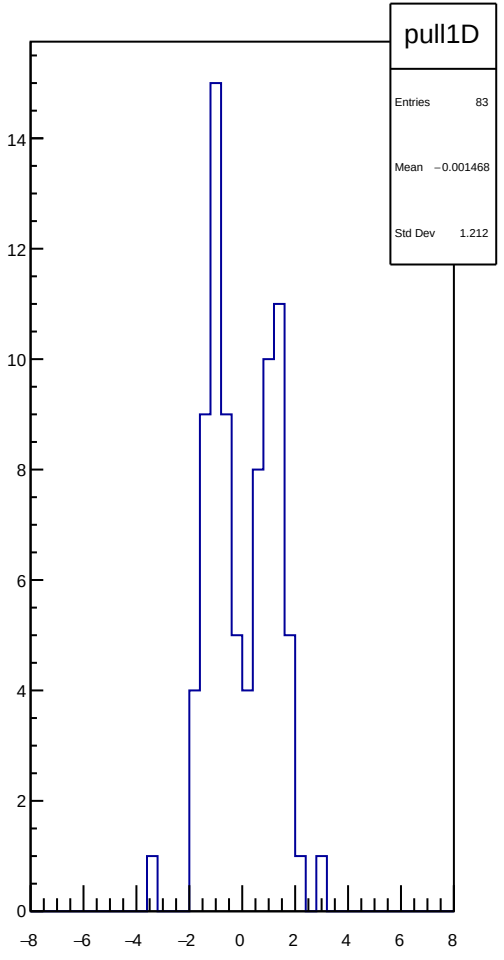

pull1D
Entries 83
Mean −0.01173
Std Dev 0.5012
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

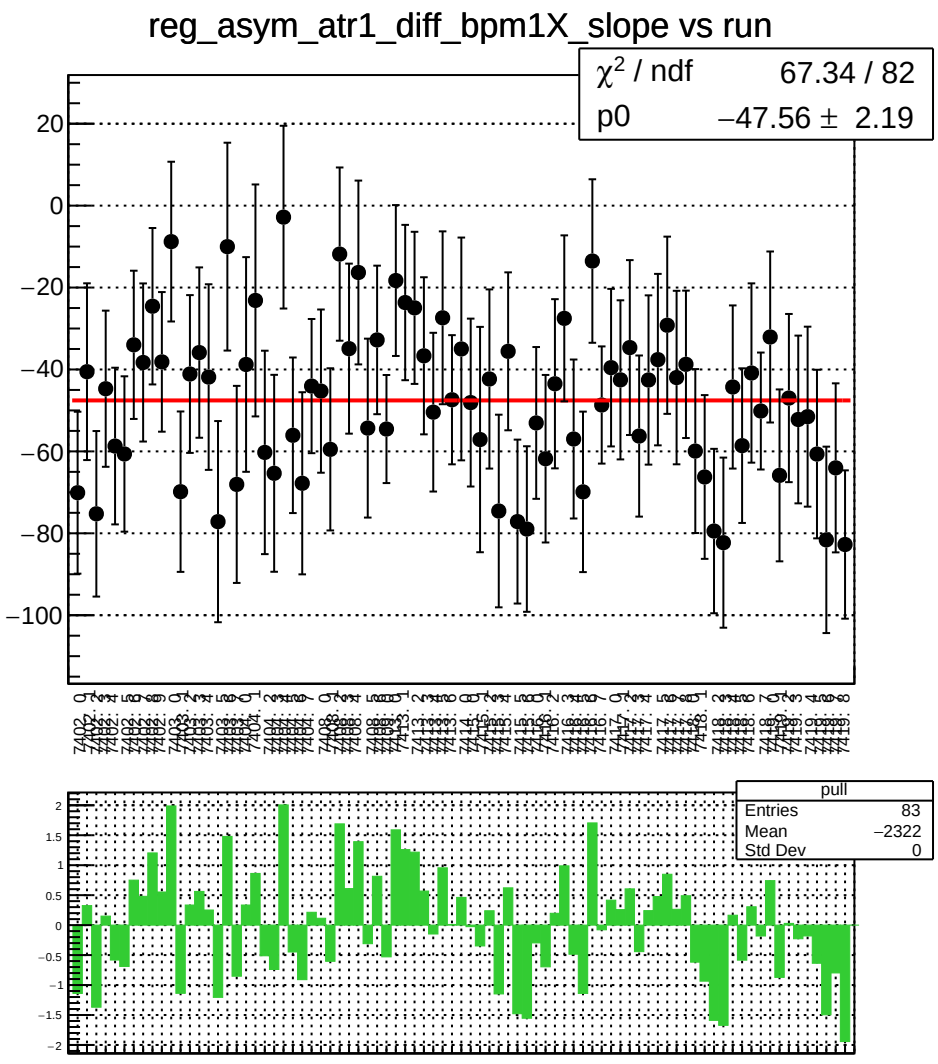

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 53.71 / 82
p0 251.5 ± 6.311
pull
Entries 83
Mean 1.04
Std Dev 0
pull1D
Entries 83
Mean 0.07759
Std Dev 0.8007

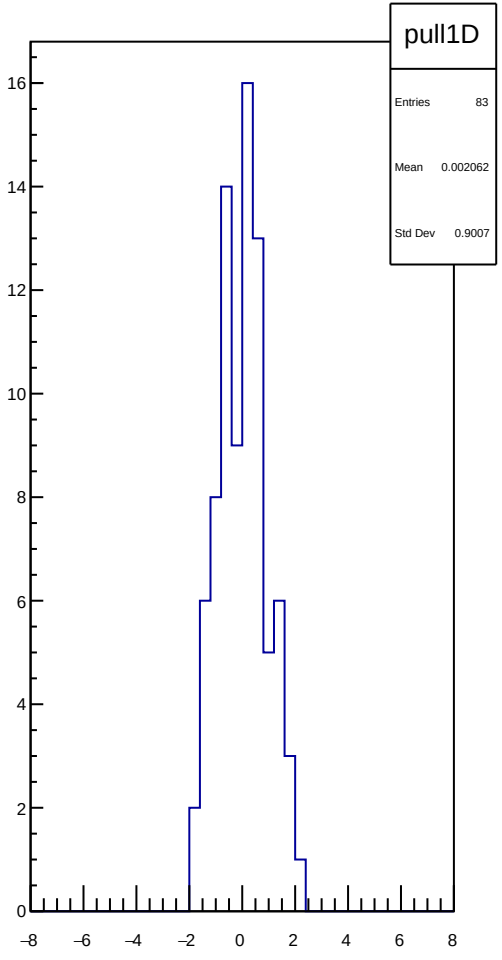

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 21.19 / 82
p0 134.8 ± 6.44
pull
Entries 83
Mean 738.8
Std Dev 0

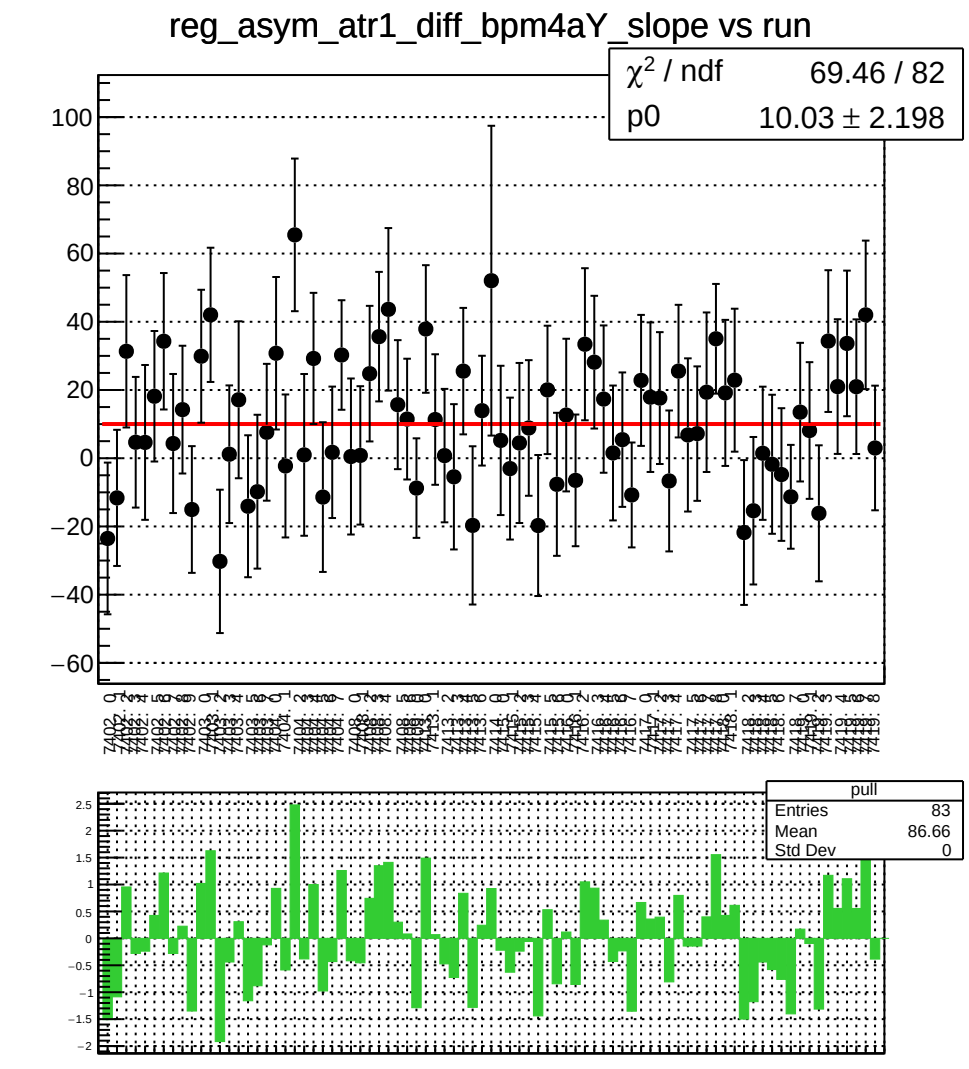

pull1D
Entries 83
Mean 0.003541
Std Dev 0.5052

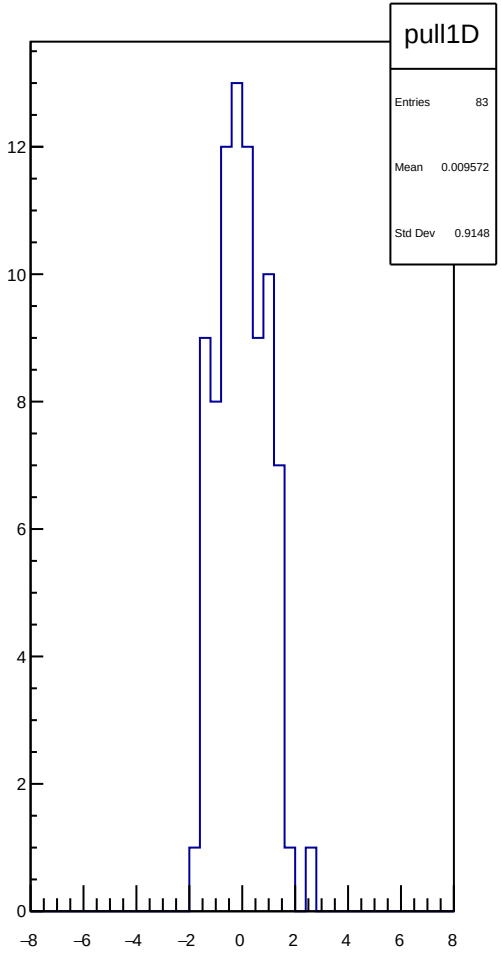

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 121.9 / 82
p0 −219.3 ± 0.2815
pull
Entries 83
Mean 1.143e+04
Std Dev 0

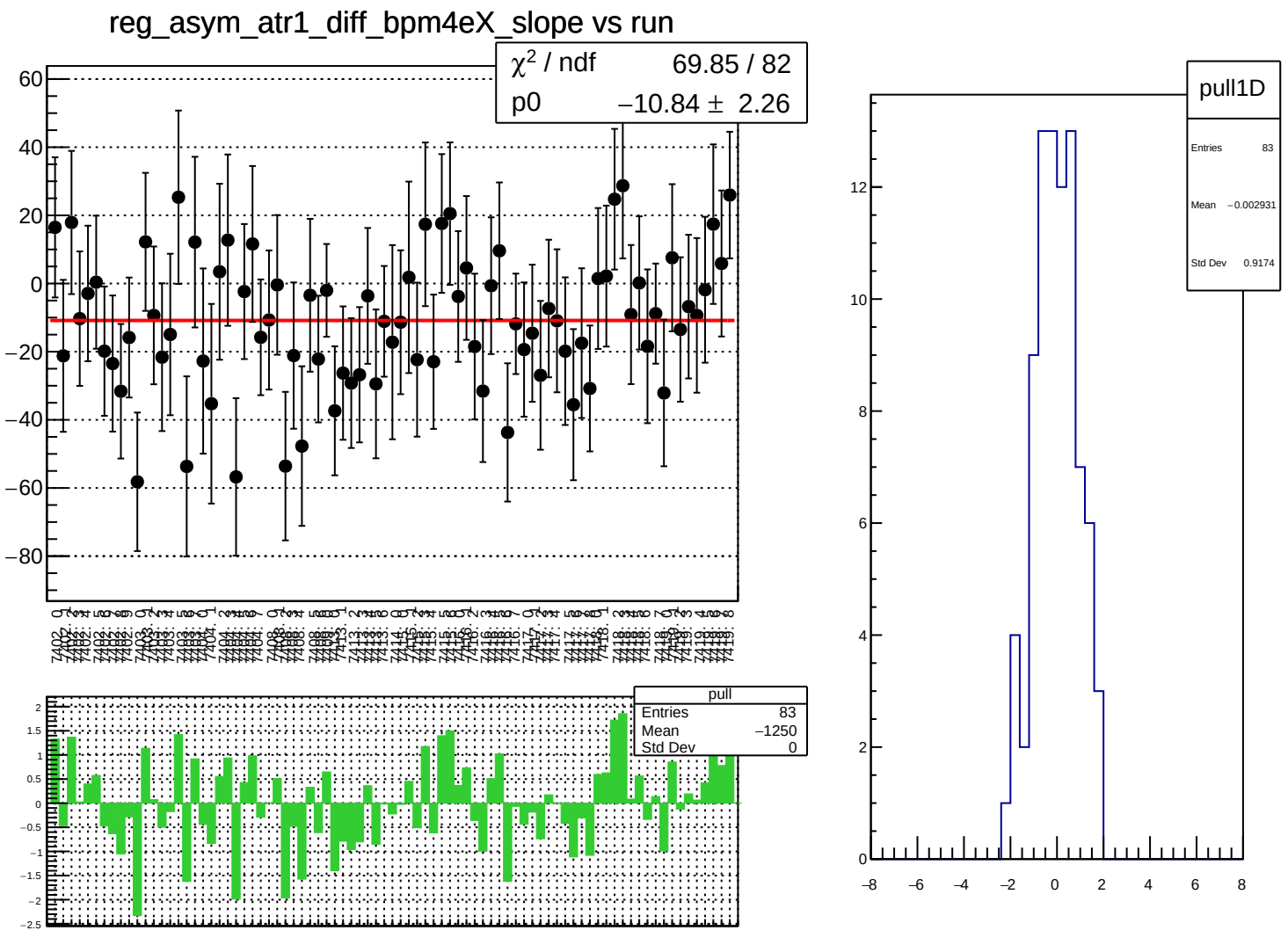

pull1D
Entries 83
Mean −0.001468
Std Dev 1.212

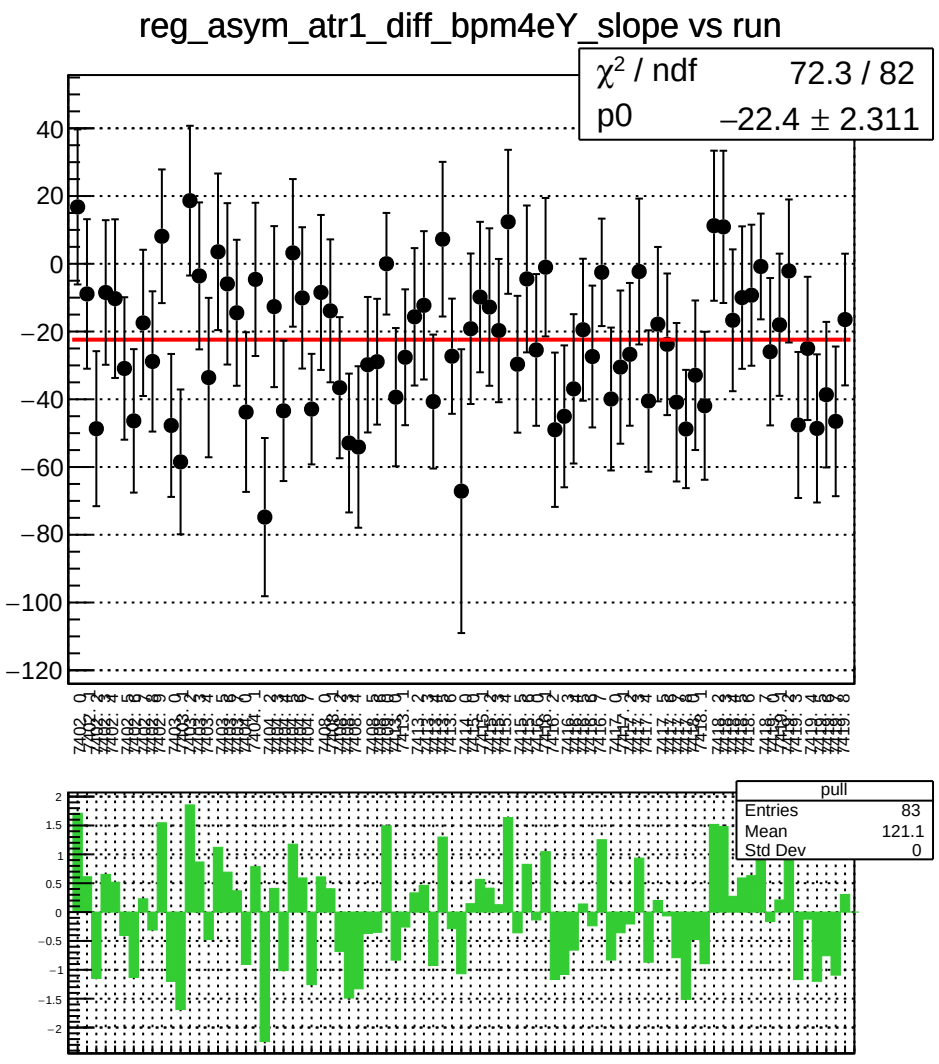

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 67.34 / 82
p0 −47.56 ± 2.19
pull
Entries 83
Mean −2322
Std Dev 0

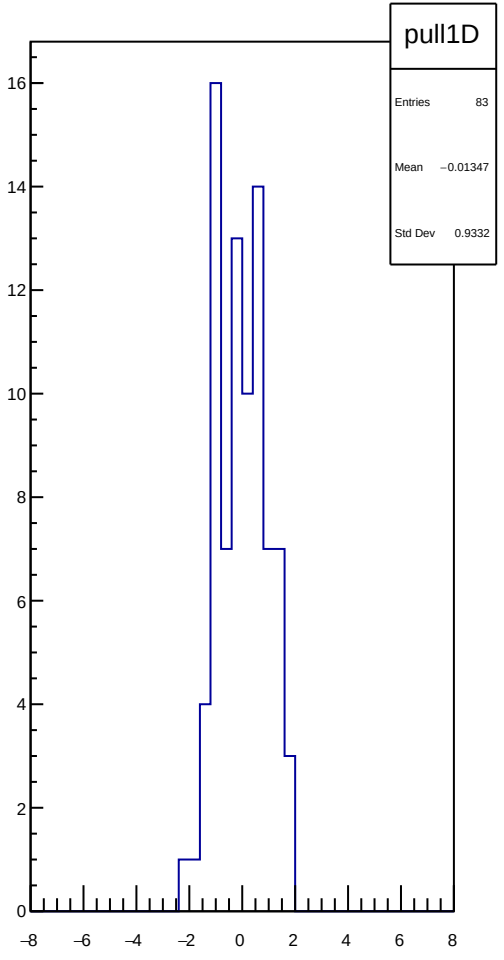

pull1D
Entries 83
Mean 0.002062
Std Dev 0.9007

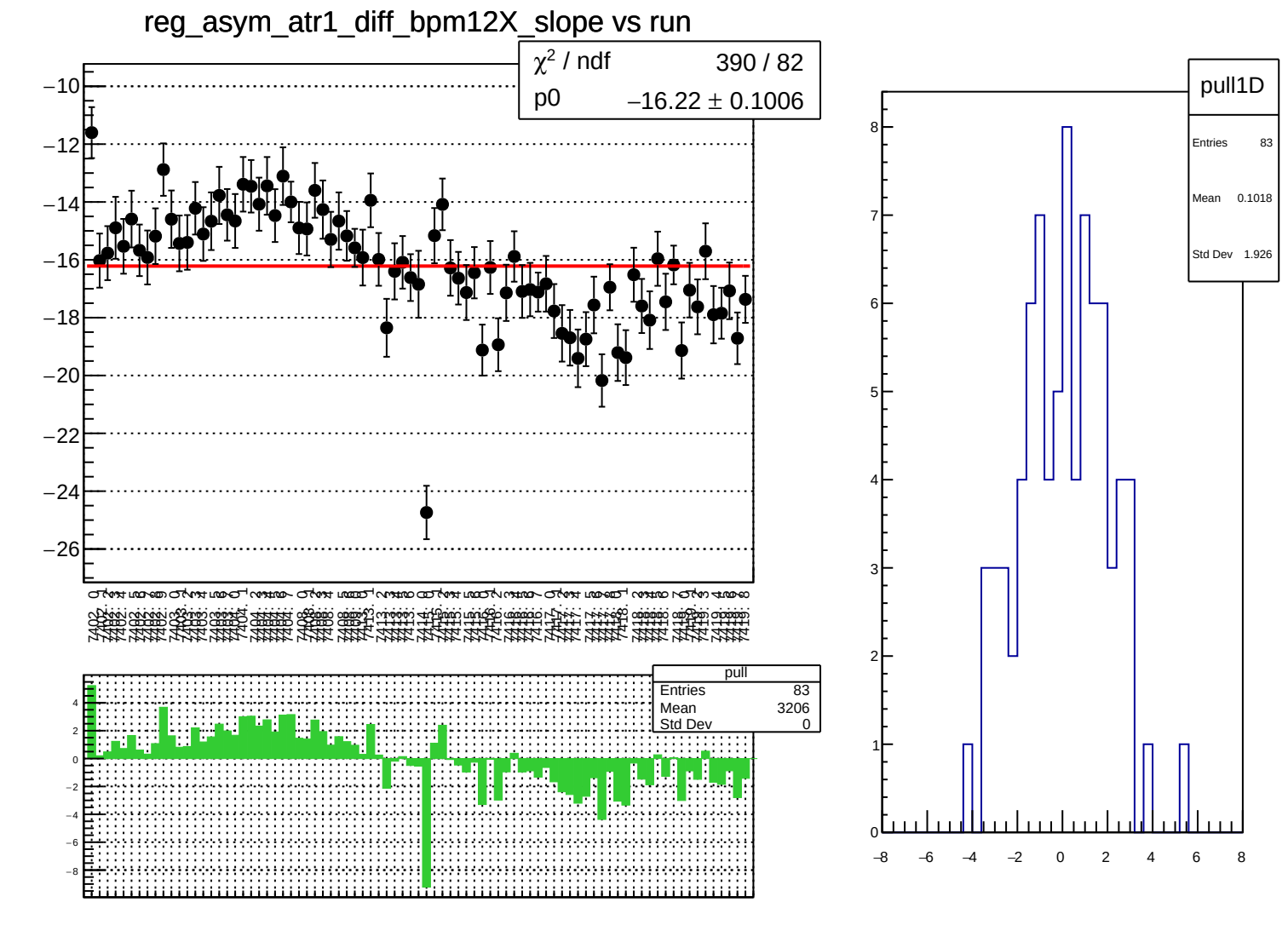

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 69.46 / 82
p0 10.03 ± 2.198
pull
Entries 83
Mean 86.66
Std Dev 0

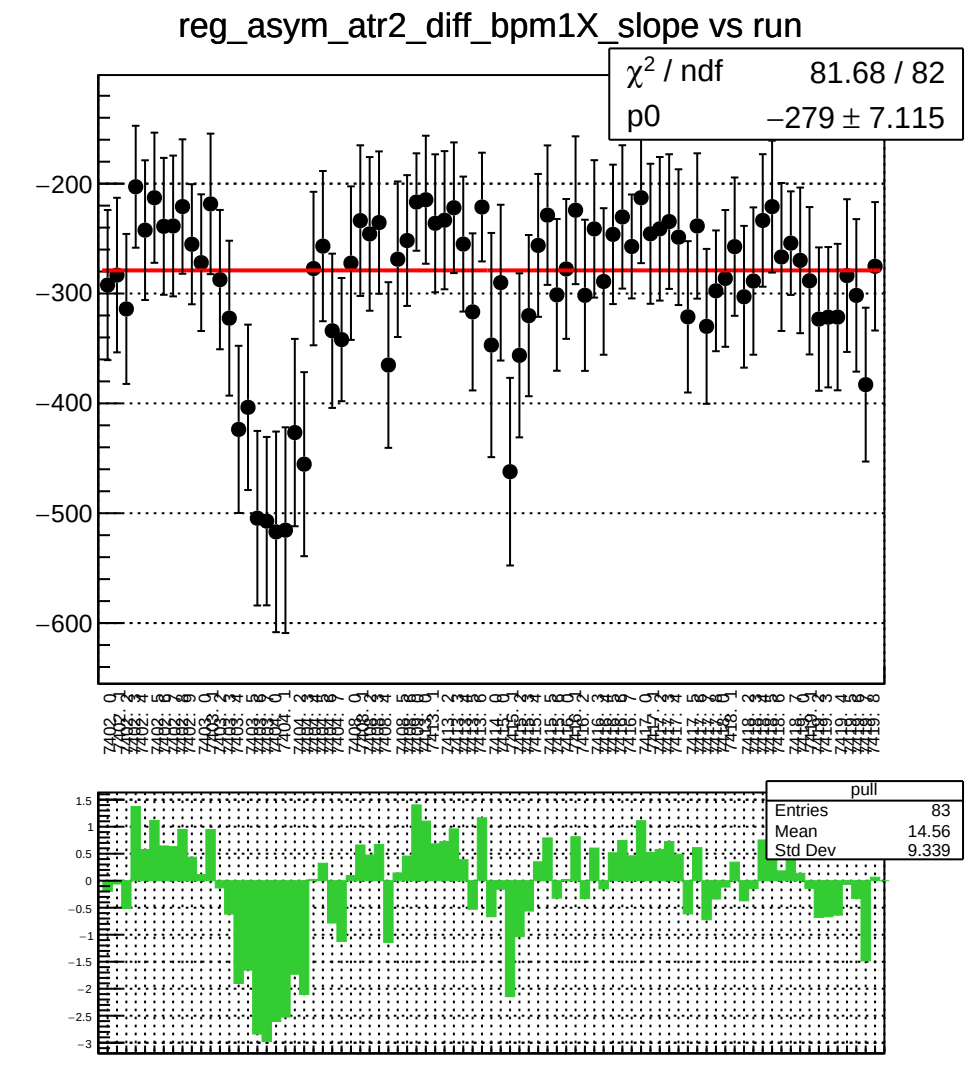

pull1D
Entries 83
Mean 0.009572
Std Dev 0.9148

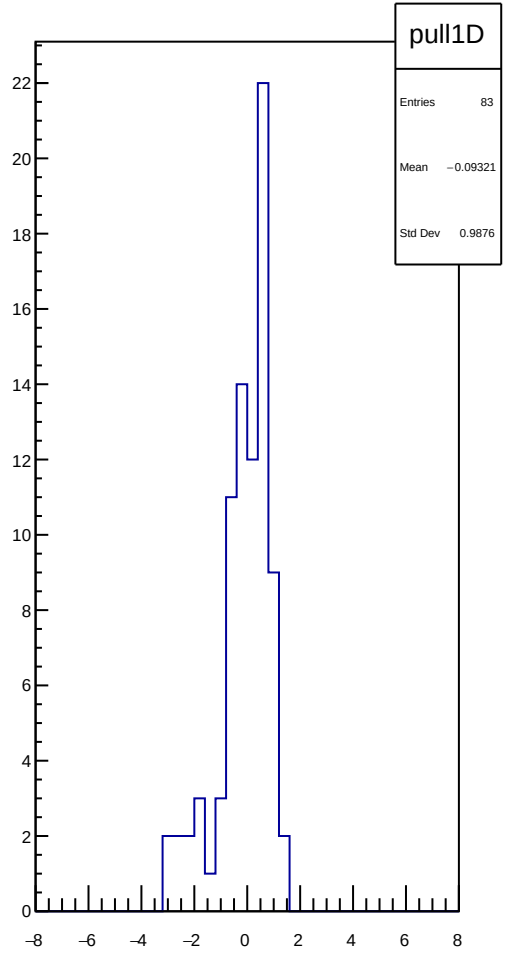

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 69.85 / 82
p0 −10.84 ± 2.26
pull
Entries 83
Mean −1250
Std Dev 0
pull1D
Entries 83
Mean −0.002931
Std Dev 0.9174

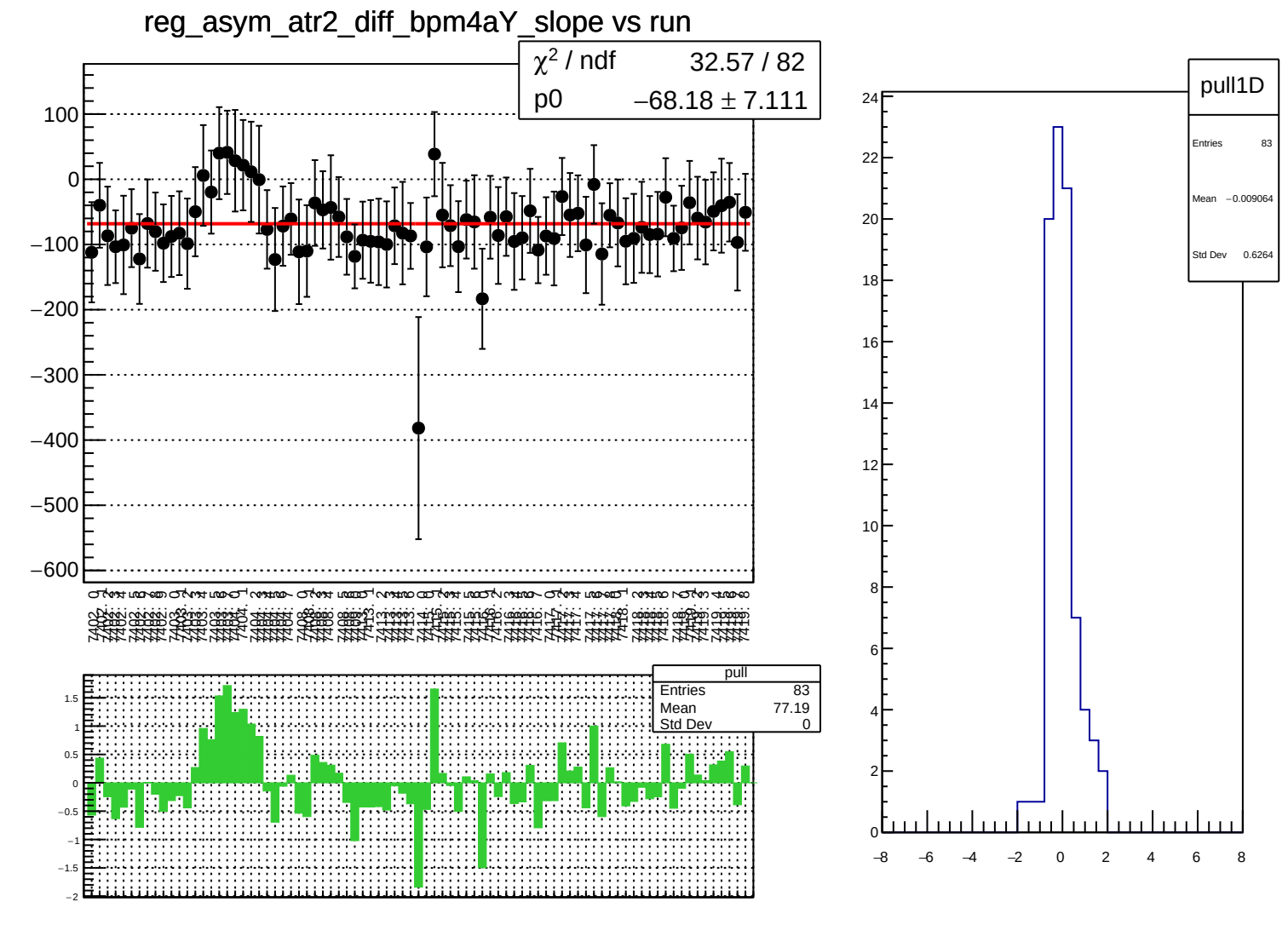

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 72.3 / 82
p0 −22.4 ± 2.311
pull
Entries 83
Mean 121.1
Std Dev 0

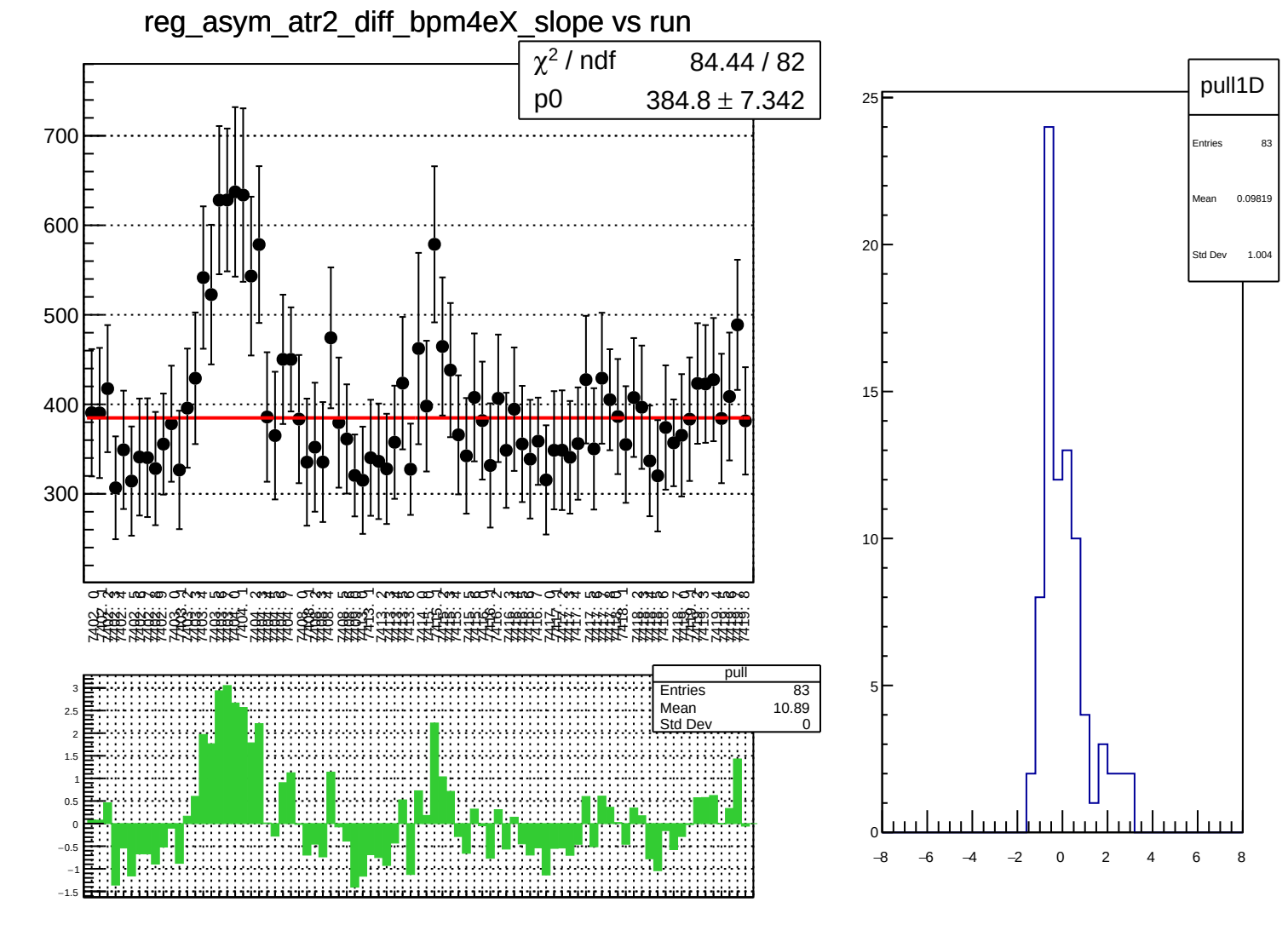

pull1D
Entries 83
Mean −0.01347
Std Dev 0.9332

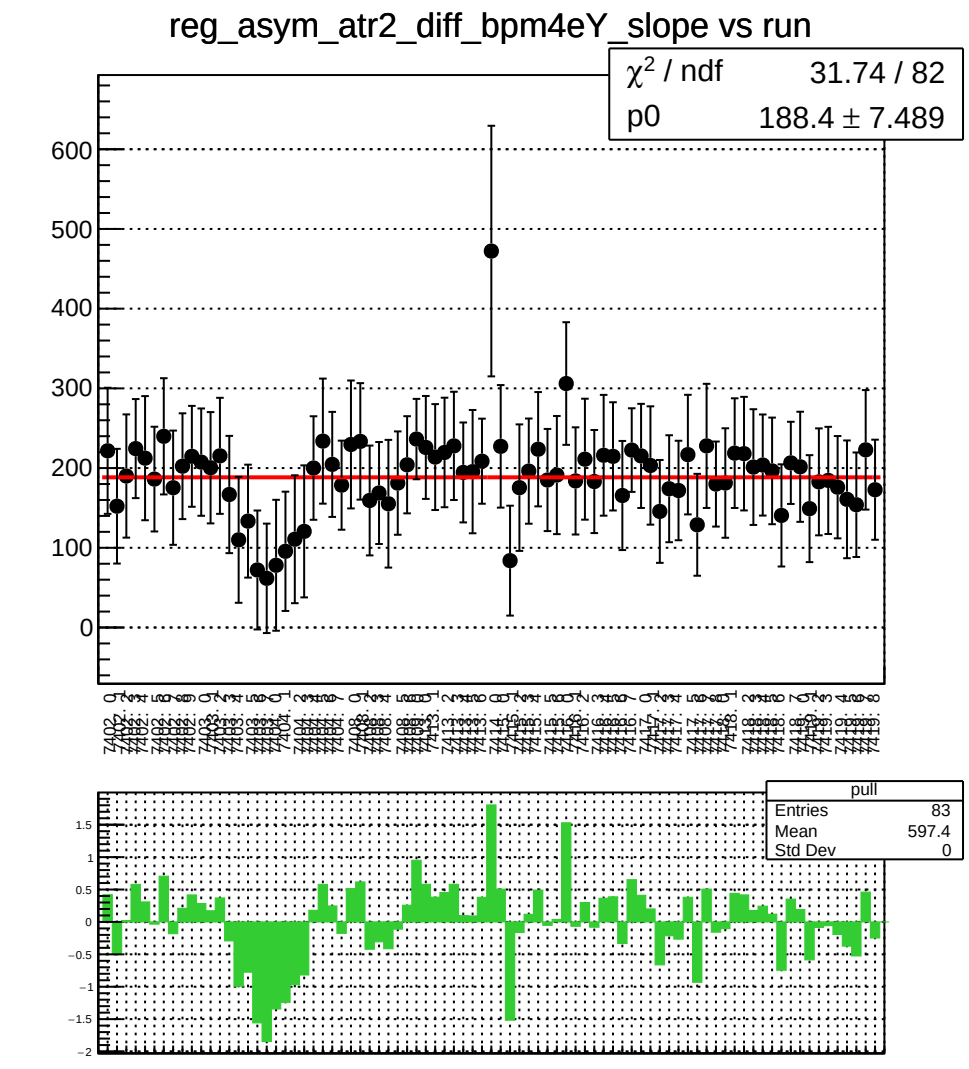

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 390 / 82
p0 −16.22 ± 0.1006
pull
Entries 83
Mean 3206
Std Dev 0
pull1D
Entries 83
Mean 0.1018
Std Dev 1.926

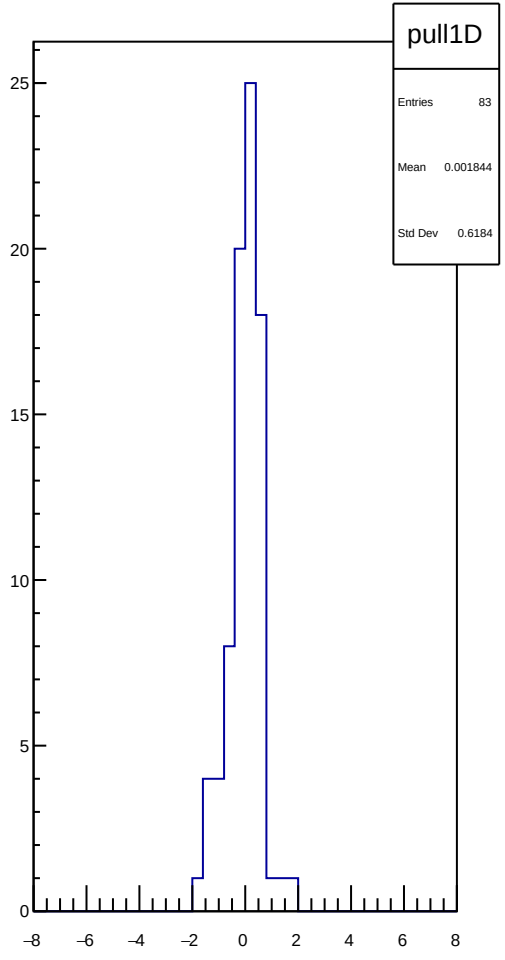

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 81.68 / 82
p0 −279 ± 7.115
−200
−300
−400
−500
−600
pull
Entries 83
Mean 14.56
Std Dev 9.339
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

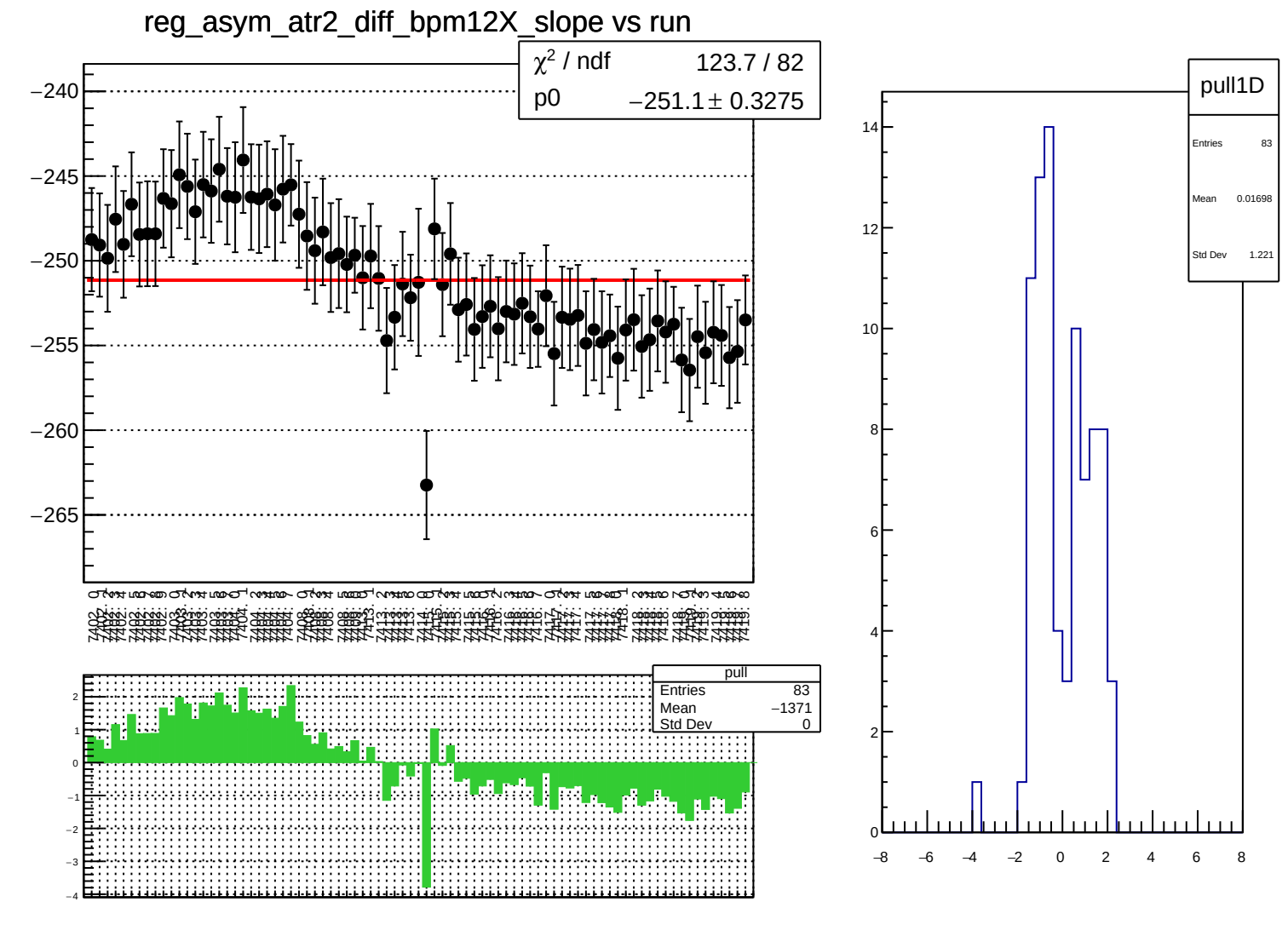

pull1D
Entries 83
Mean −0.09321
Std Dev 0.9876
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

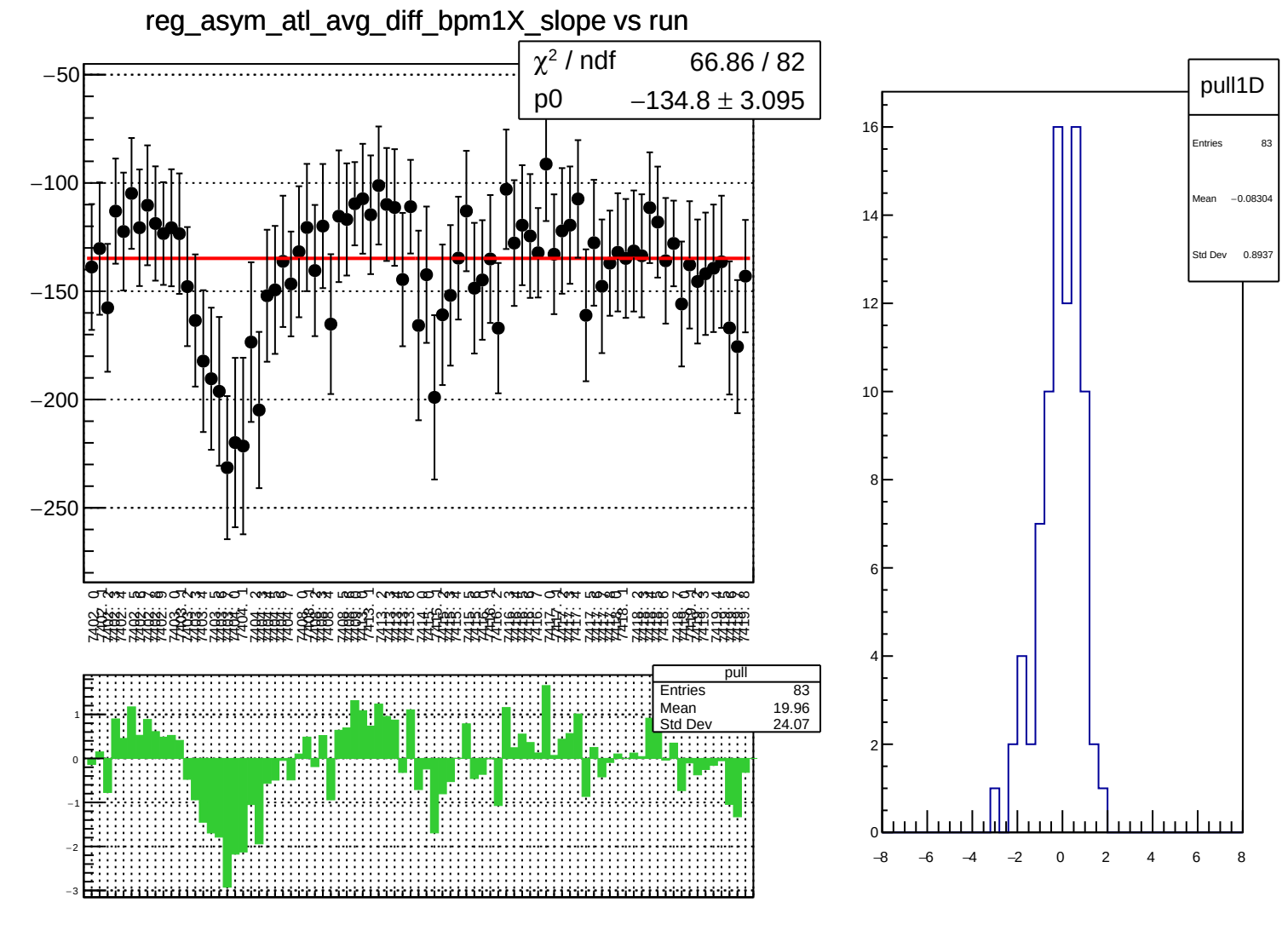

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 32.57 / 82
p0 −68.18 ± 7.111
pull
Entries 83
Mean 77.19
Std Dev 0
pull1D
Entries 83
Mean −0.009064
Std Dev 0.6264

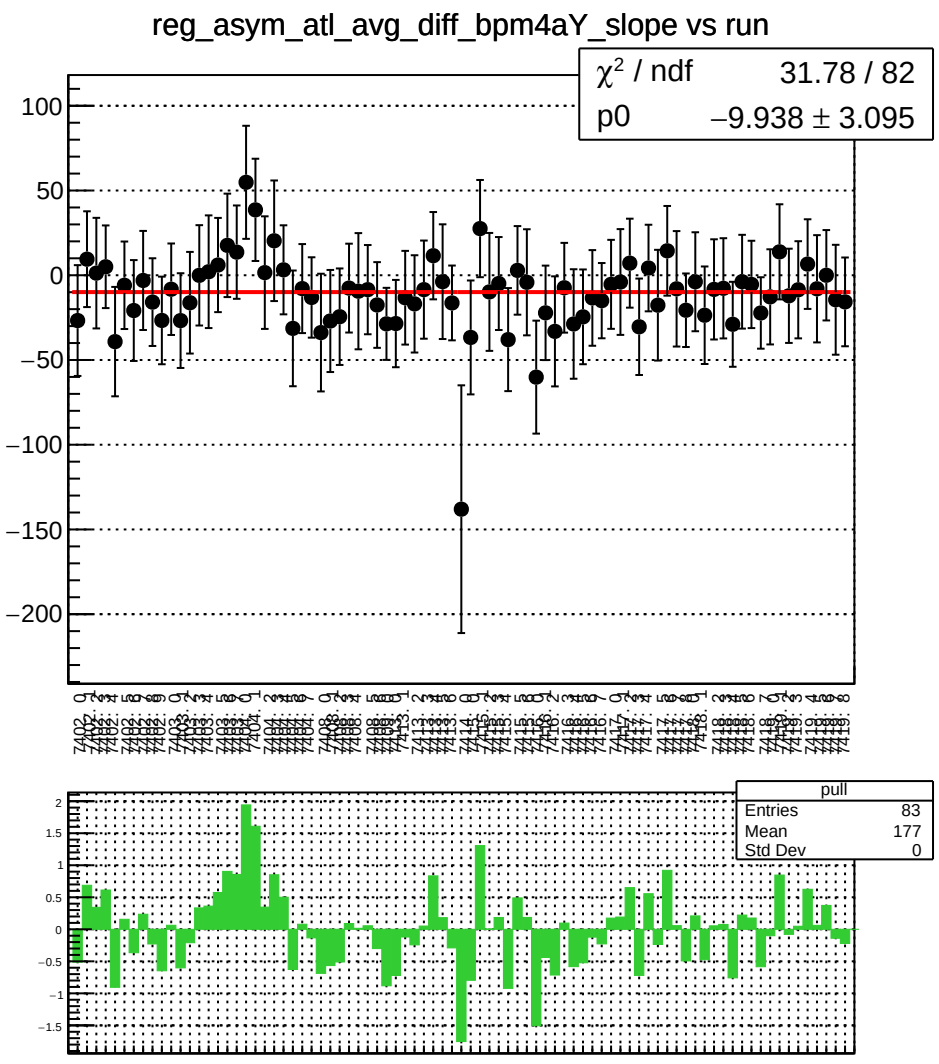

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 84.44 / 82
p0 384.8 ± 7.342
700
600
500
400
300
pull
Entries 83
Mean 10.89
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.09819
Std Dev 1.004
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

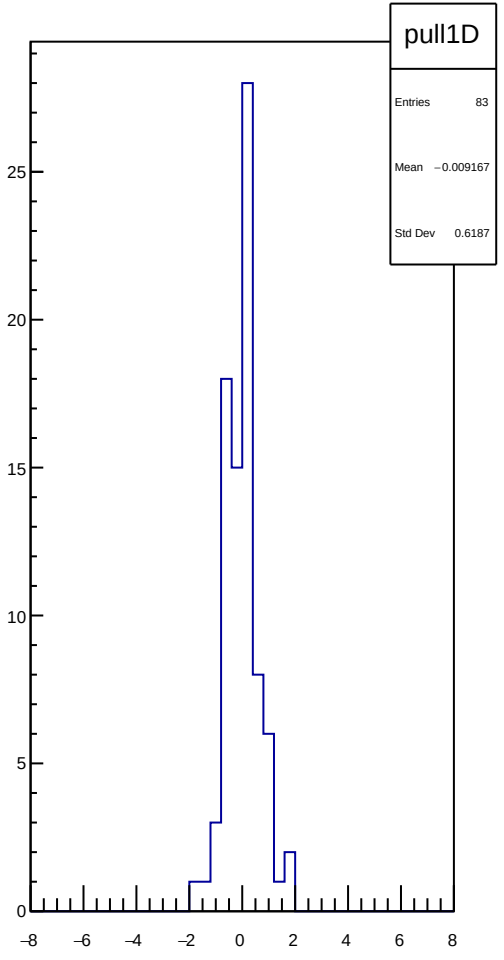

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 31.74 / 82
p0 188.4 ± 7.489
pull
Entries 83
Mean 597.4
Std Dev 0

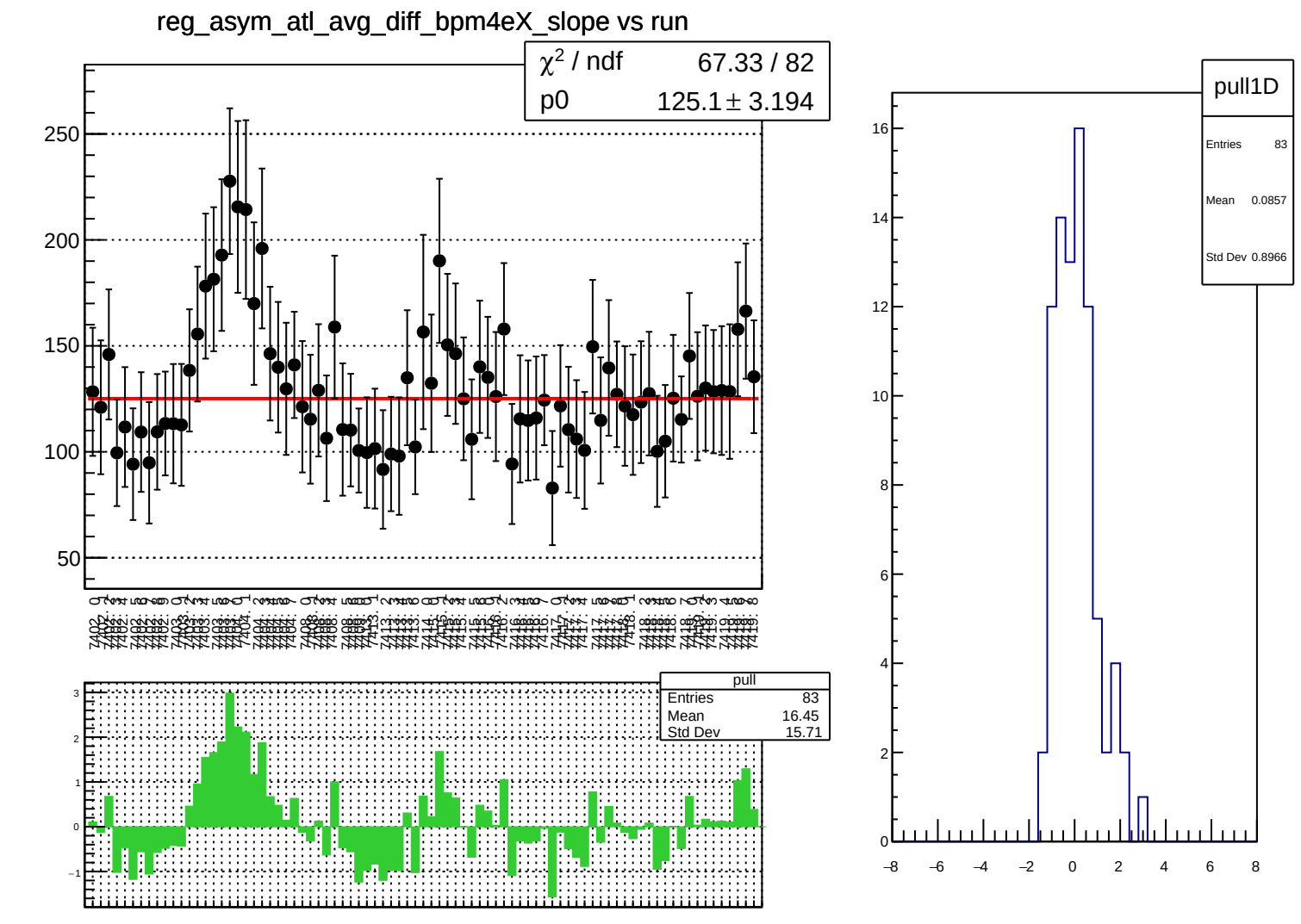

pull1D
Entries 83
Mean 0.001844
Std Dev 0.6184

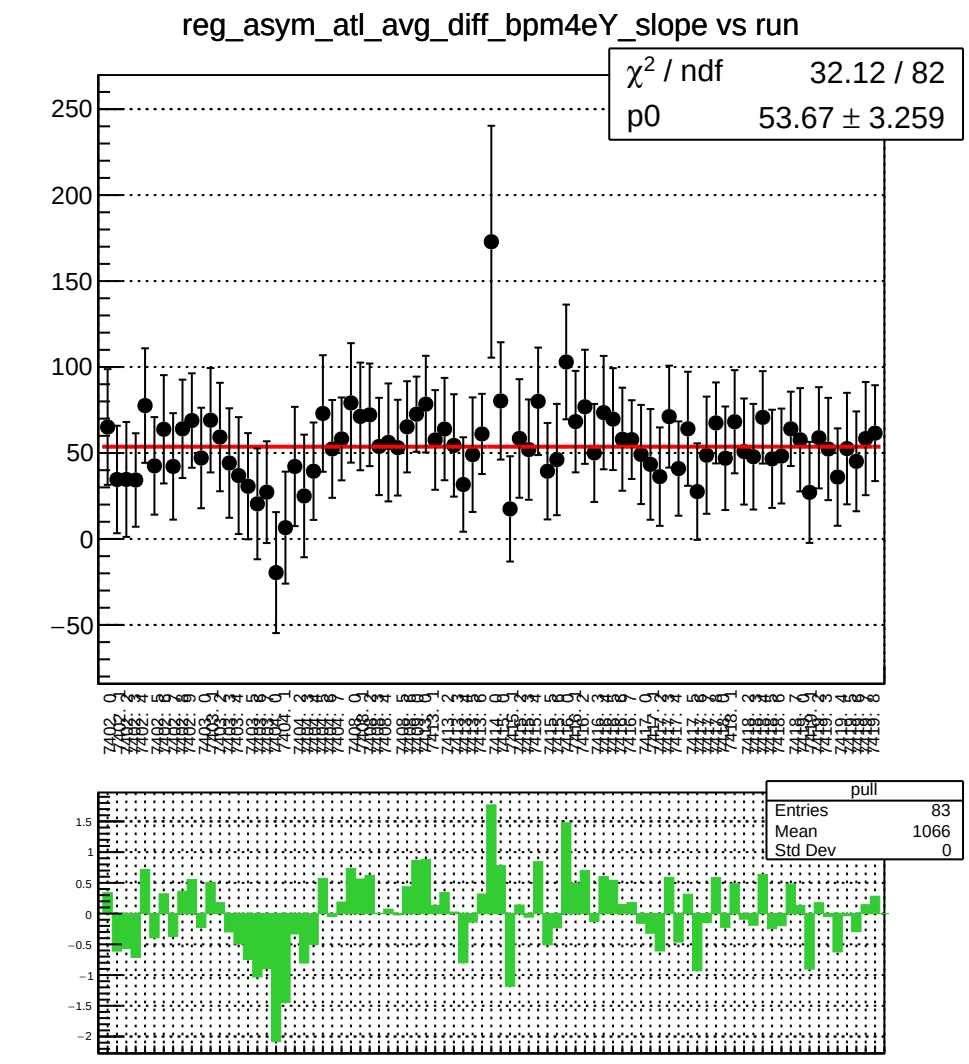

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 123.7 / 82
p0 −251.1 ± 0.3275
−240
−245
−250
−255
−260
−265
pull
Entries 83
Mean −1371
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 83
Mean 0.01698
Std Dev 1.221
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

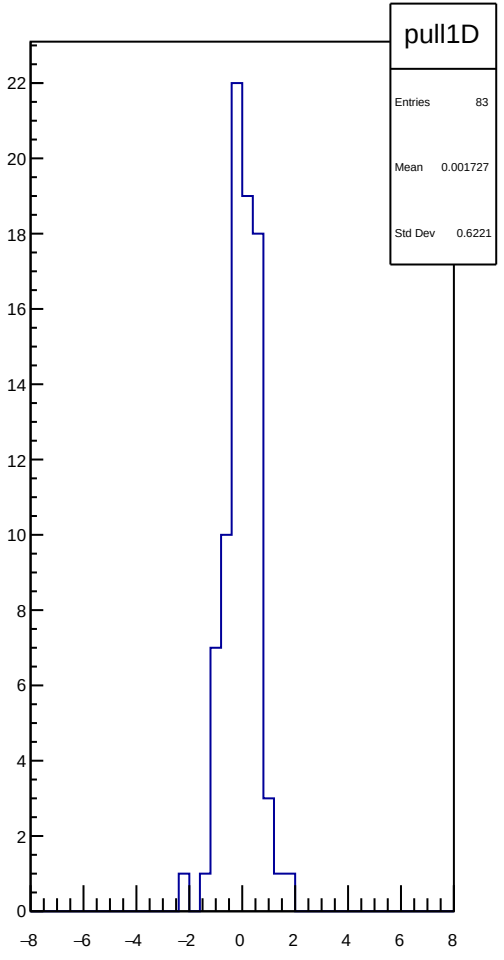

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 66.86 / 82
p0 −134.8 ± 3.095
pull
Entries 83
Mean 19.96
Std Dev 24.07
pull1D
Entries 83
Mean −0.08304
Std Dev 0.8937

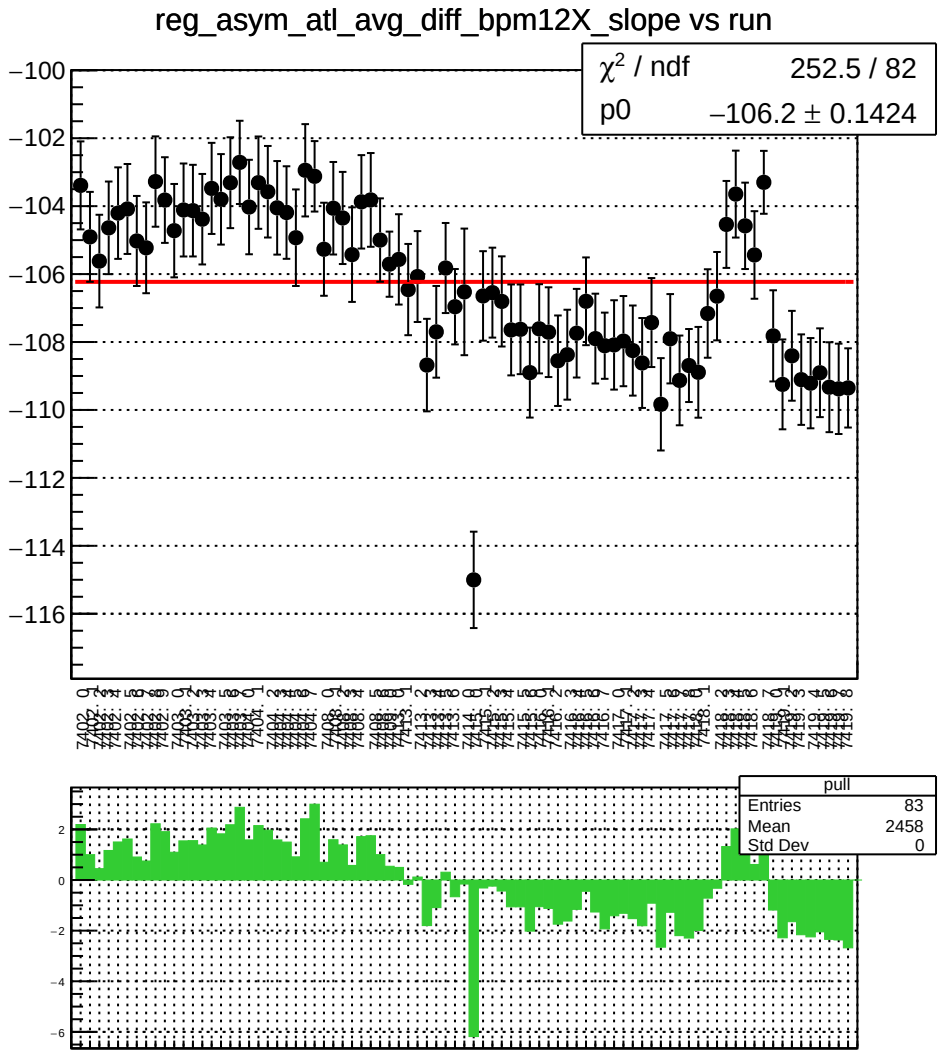

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.78 / 82
p0 −9.938 ± 3.095
100
50
0
−50
−100
−150
−200
pull
Entries 83
Mean 177
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

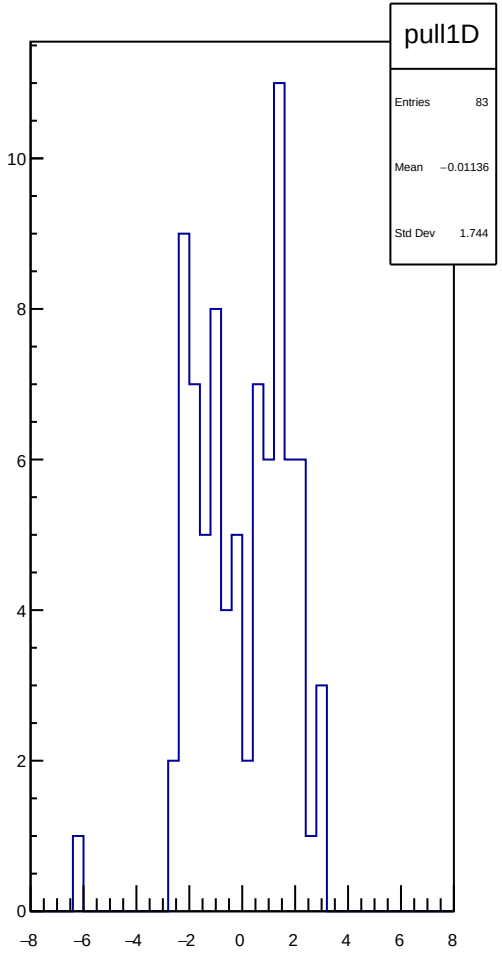

pull1D
Entries 83
Mean −0.009167
Std Dev 0.6187
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

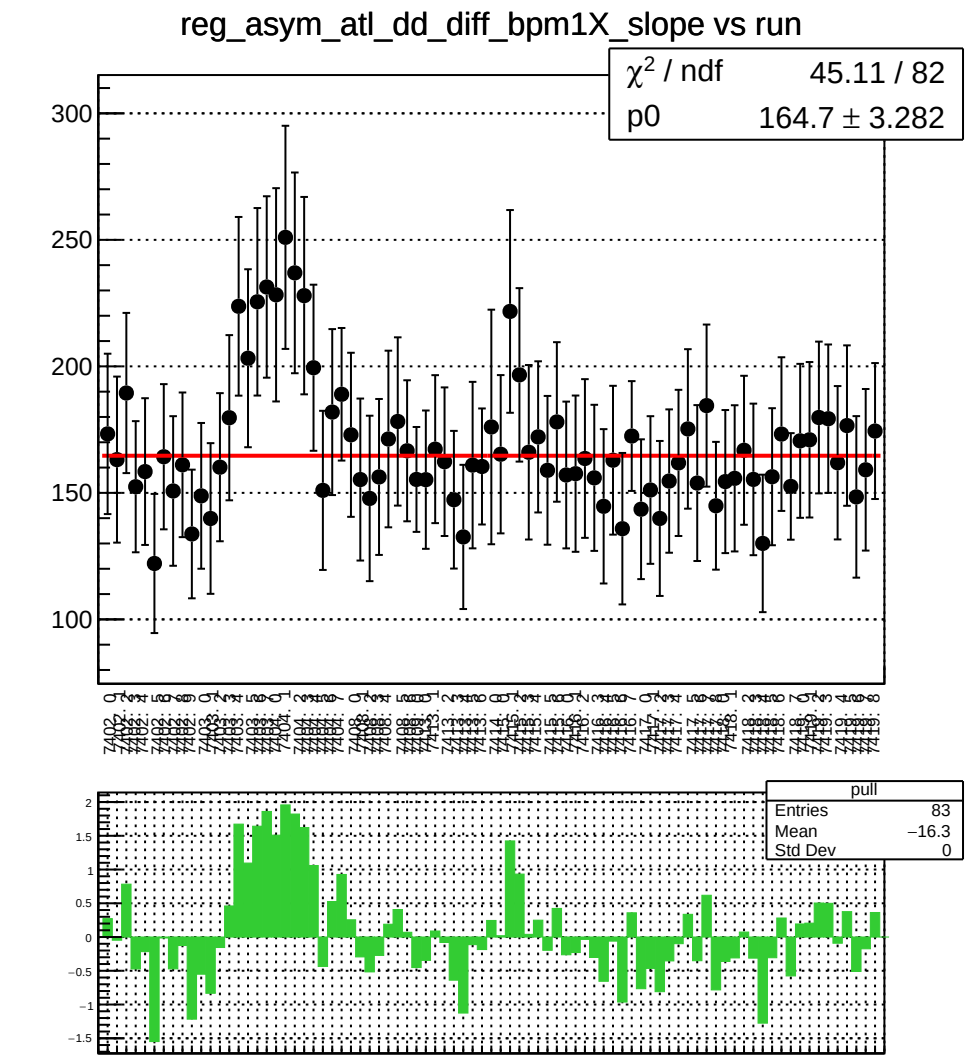

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.33 / 82
p0 125.1 ± 3.194
250
200
150
100
50
pull
Entries 83
Mean 16.45
Std Dev 15.71
3
2
1
0
−1
pull1D
Entries 83
Mean 0.0857
Std Dev 0.8966
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

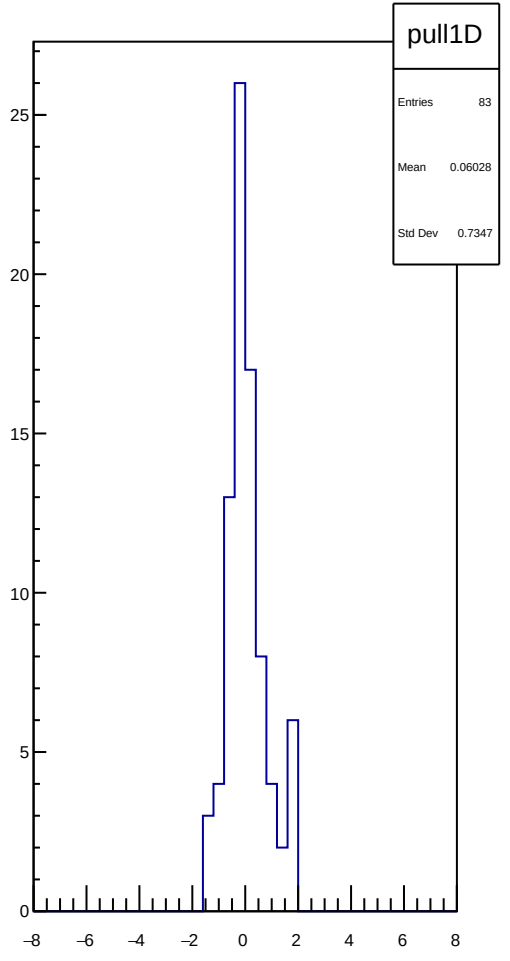

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.12 / 82
p0 53.67 ± 3.259
pull
Entries 83
Mean 1066
Std Dev 0

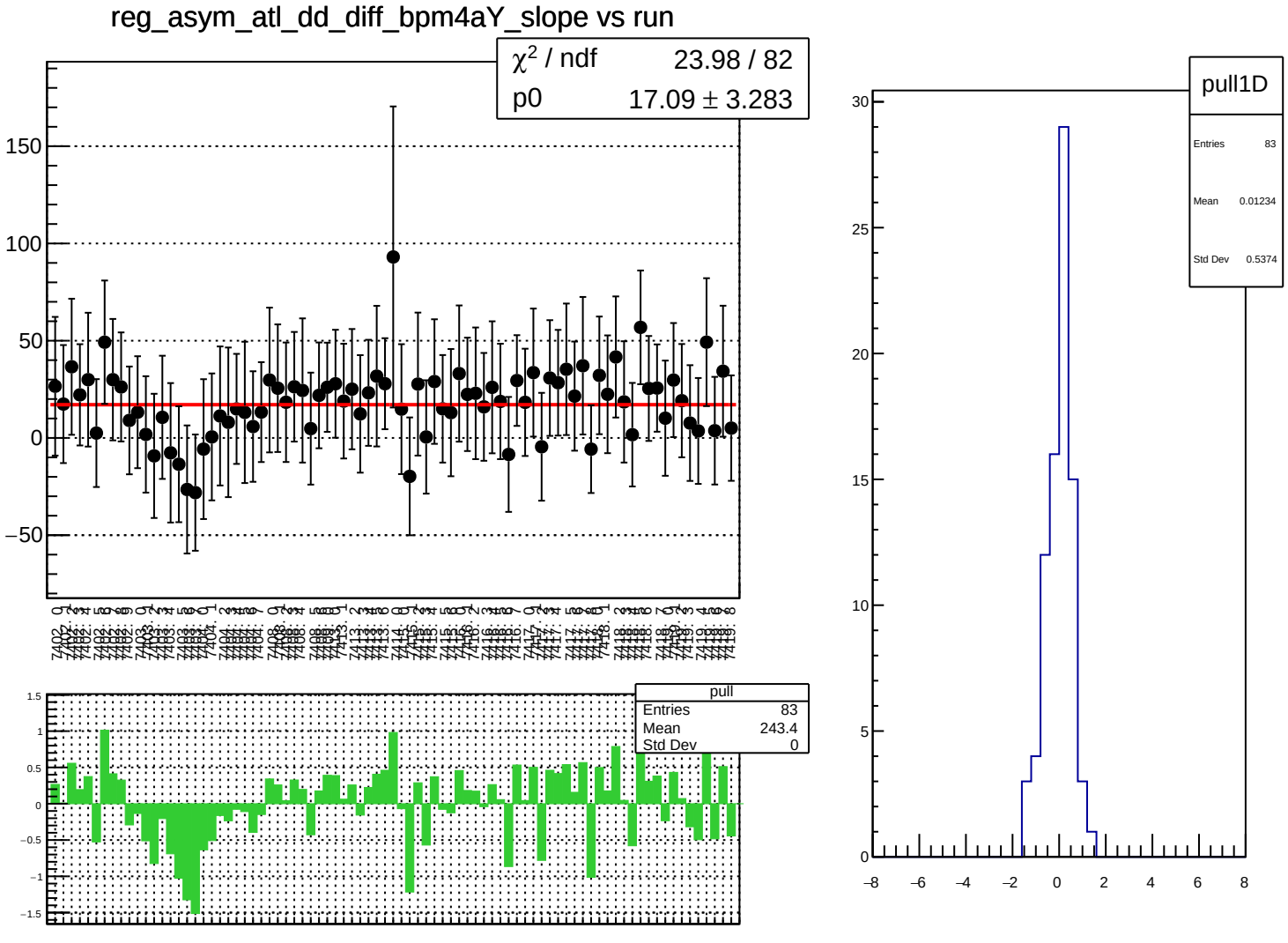

pull1D
Entries 83
Mean 0.001727
Std Dev 0.6221

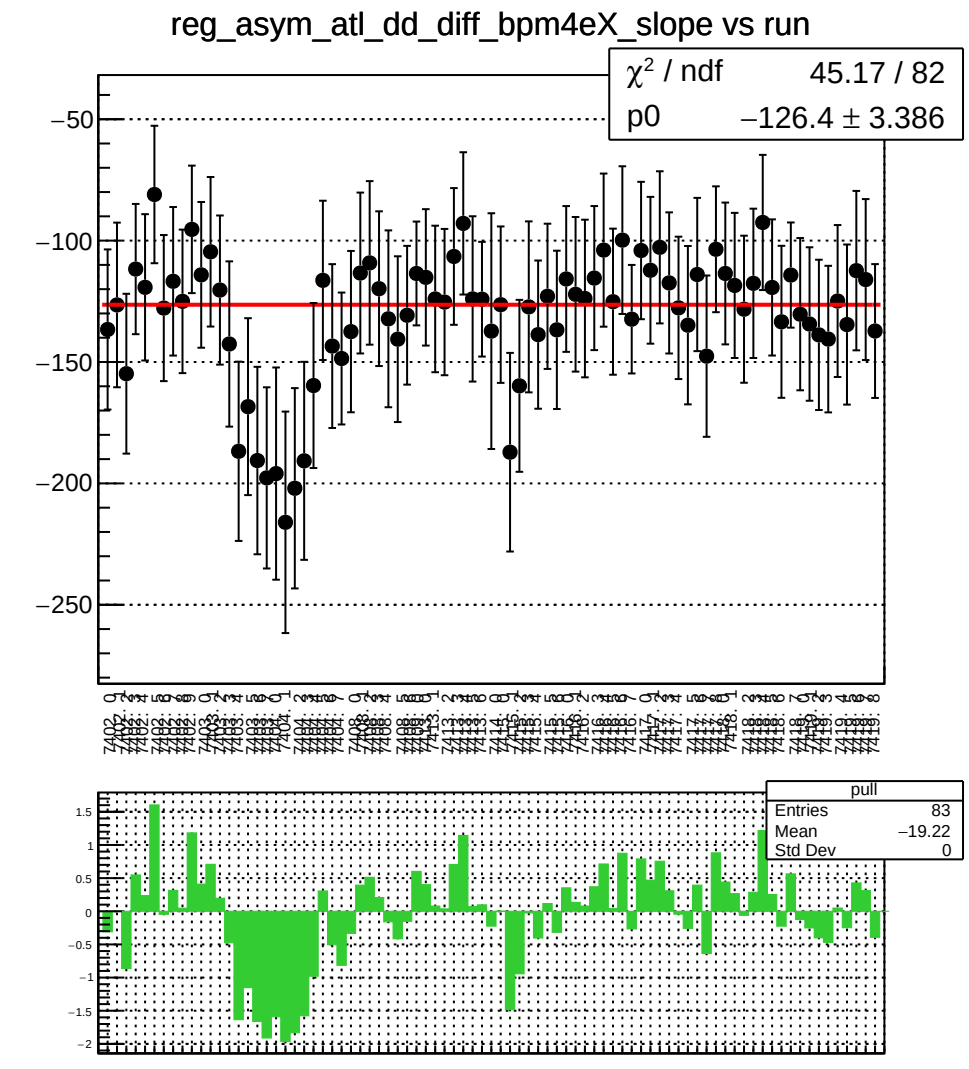

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 252.5 / 82
p0 −106.2 ± 0.1424
pull
Entries 83
Mean 2458
Std Dev 0

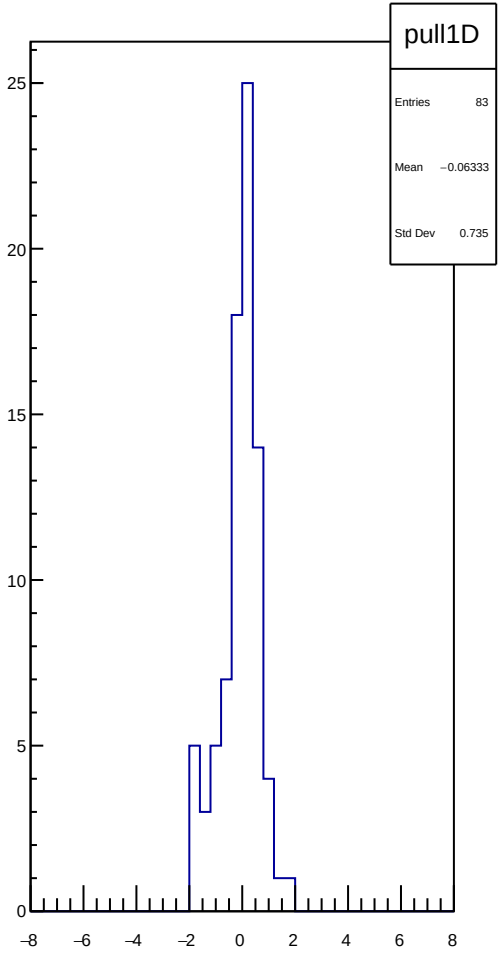

pull1D
Entries 83
Mean −0.01136
Std Dev 1.744

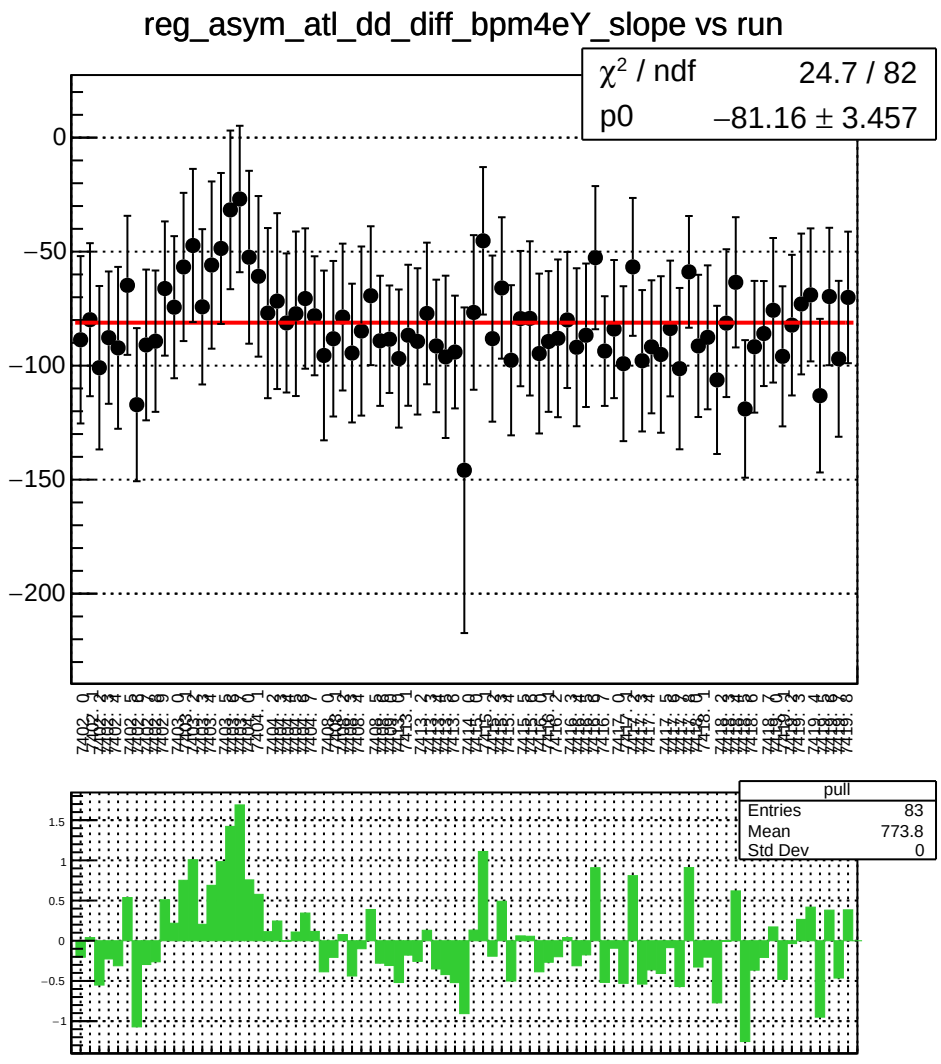

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 45.11 / 82
p0 164.7 ± 3.282
300
250
200
150
100
pull
Entries 83
Mean −16.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

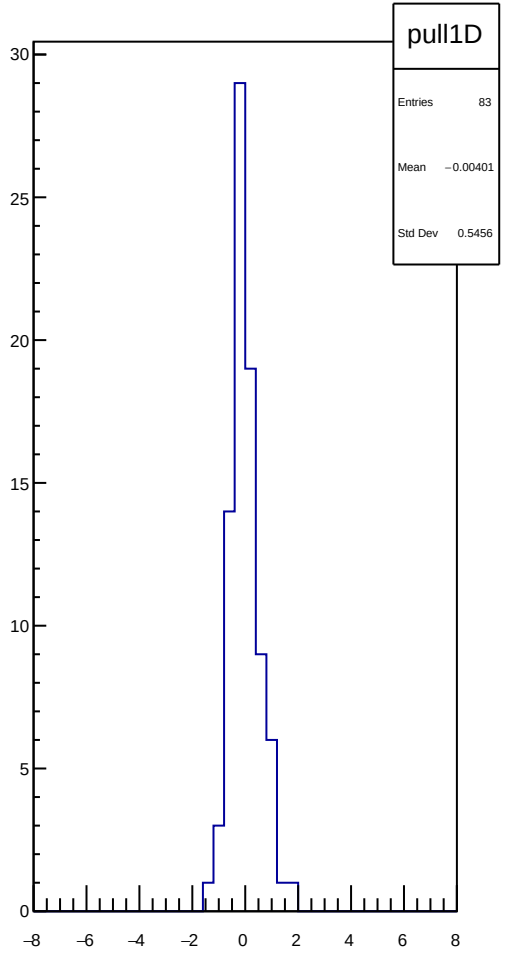

pull1D
Entries 83
Mean 0.06028
Std Dev 0.7347
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

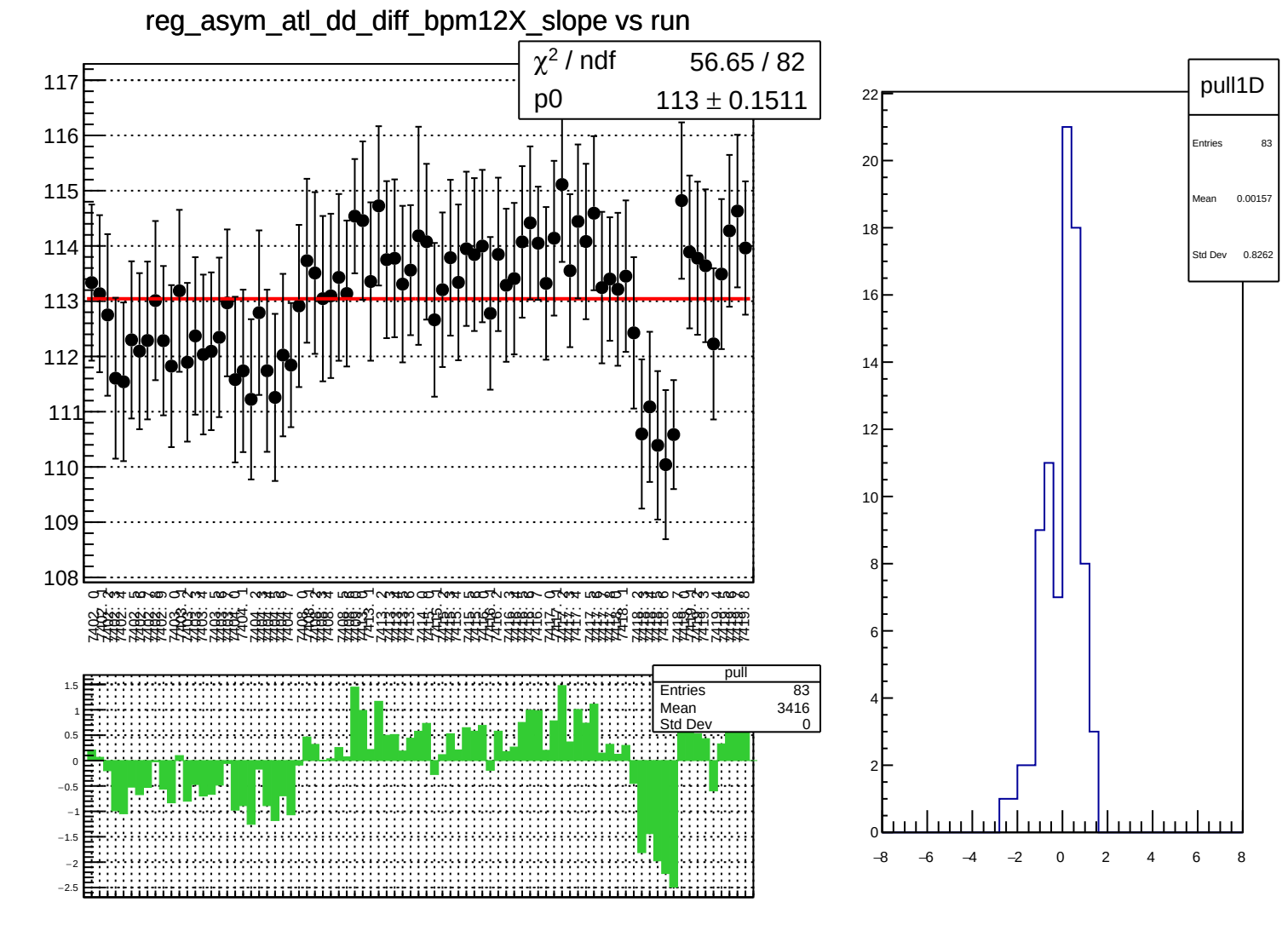

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.98 / 82
p0 17.09 ± 3.283
150
100
50
0
−50
pull
Entries 83
Mean 243.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.01234
Std Dev 0.5374
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

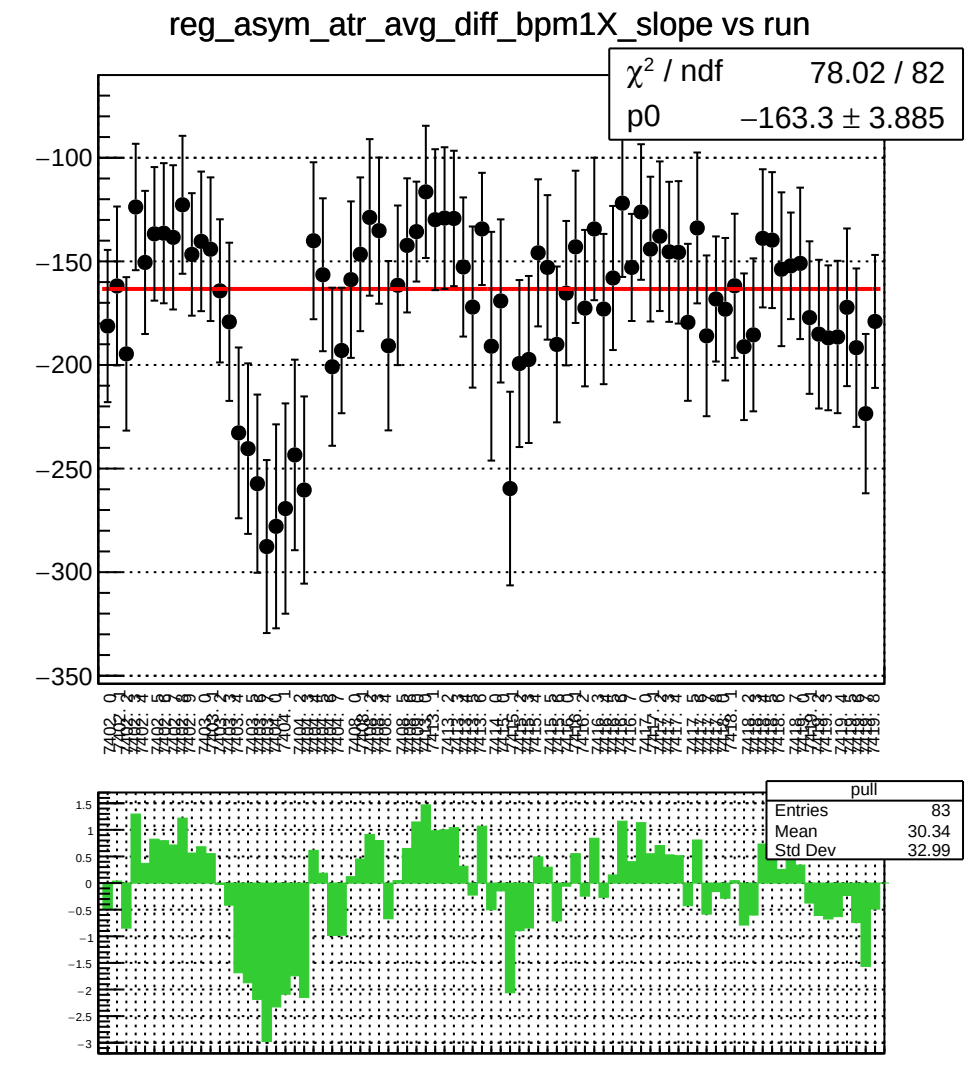

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.17 / 82
p0 −126.4 ± 3.386
pull
Entries 83
Mean −19.22
Std Dev 0

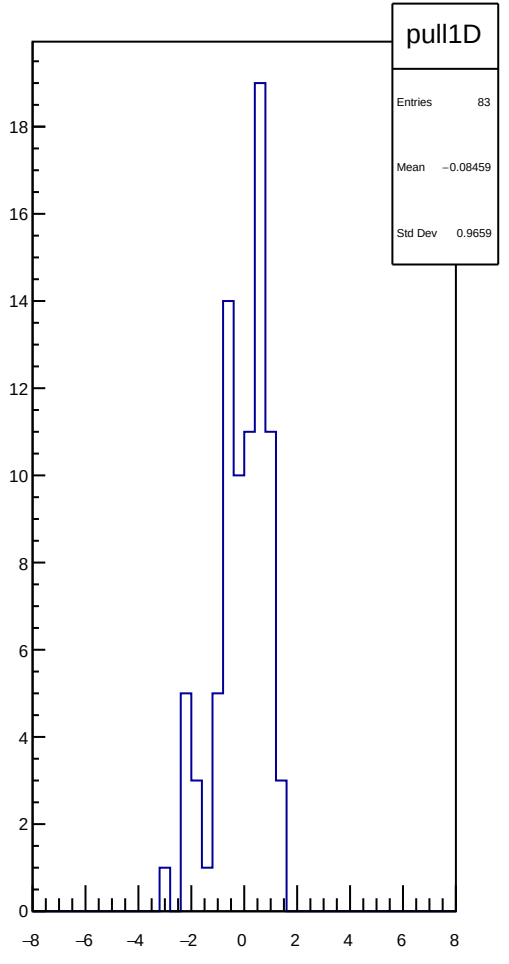

pull1D
Entries 83
Mean −0.06333
Std Dev 0.735

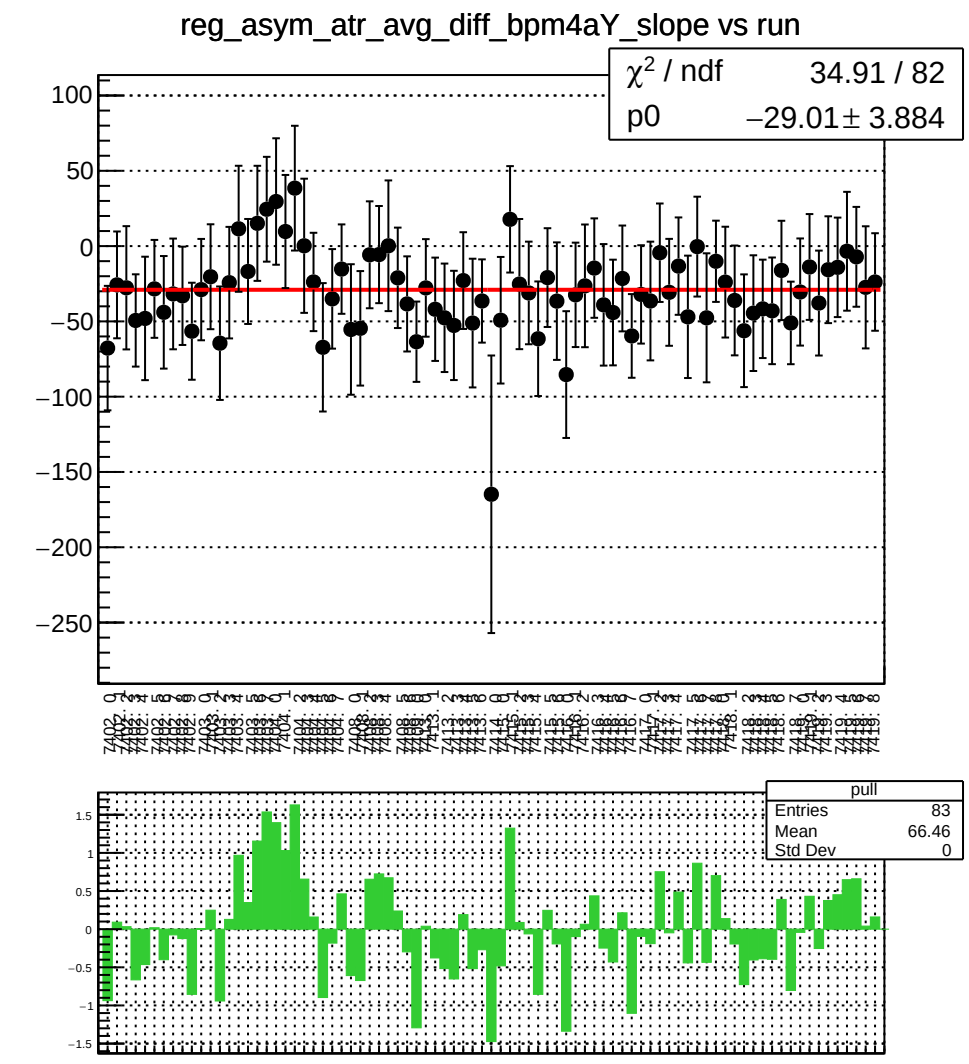

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.7 / 82
p0 −81.16 ± 3.457
0
−50
−100
−150
−200
pull
Entries 83
Mean 773.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

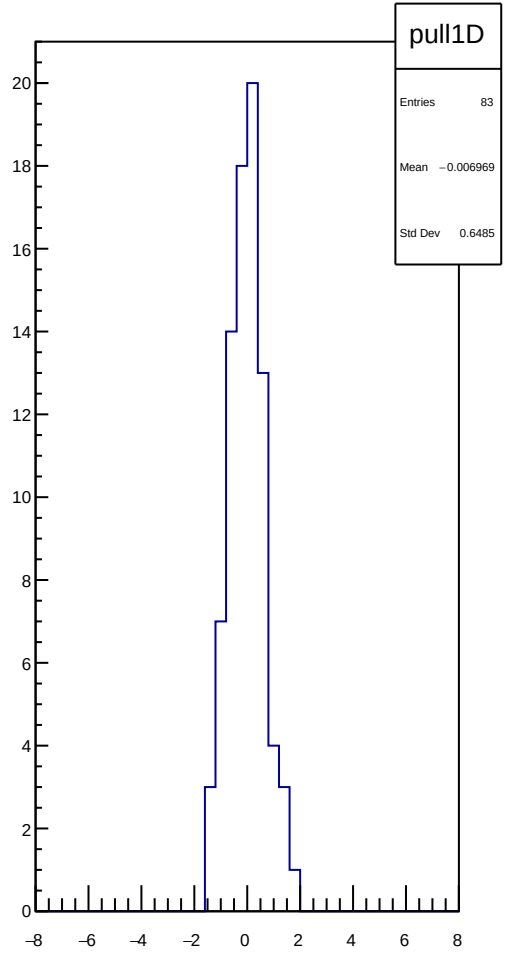

pull1D
Entries 83
Mean −0.00401
Std Dev 0.5456
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

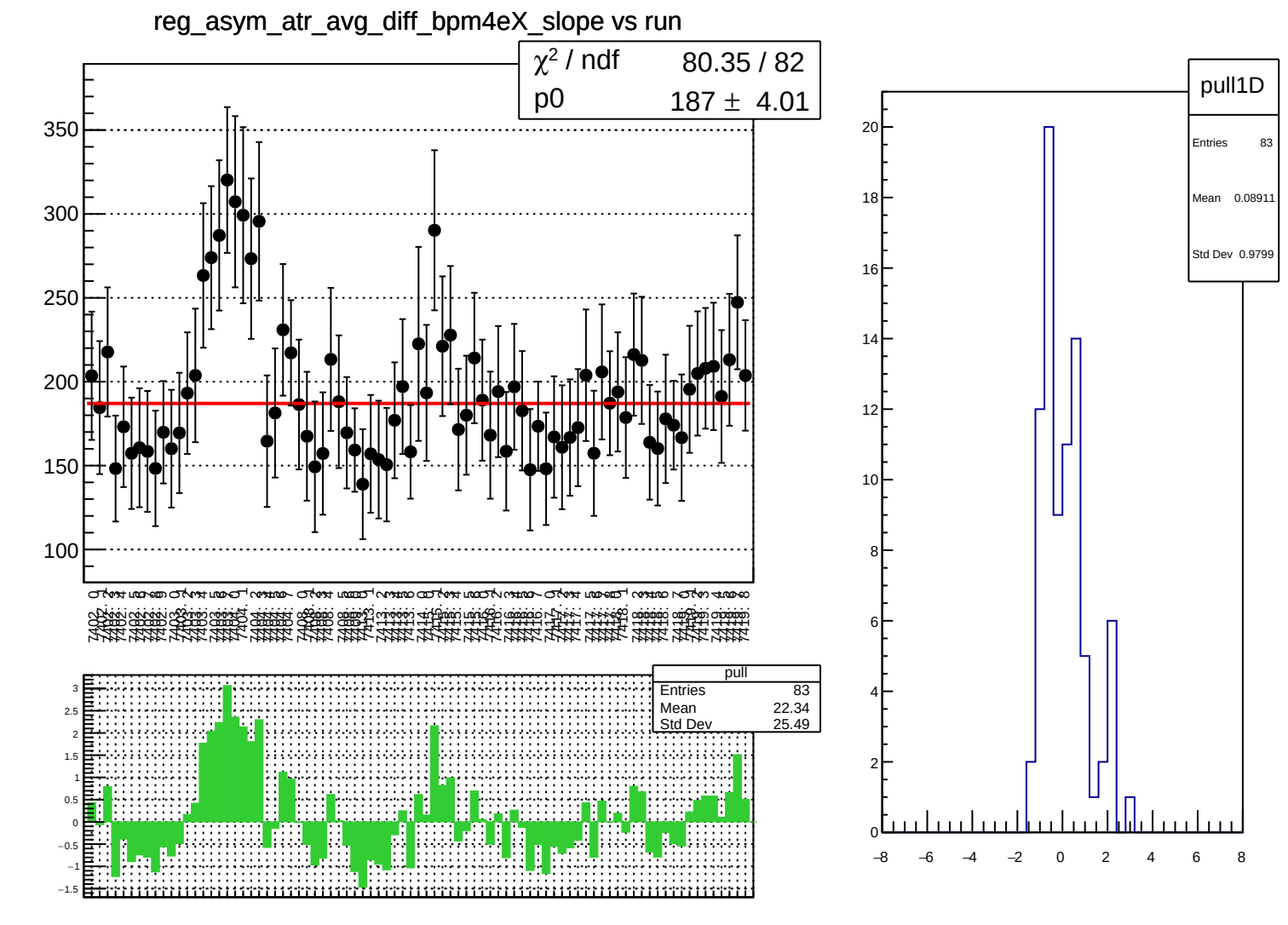

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 56.65 / 82
p0 113 ± 0.1511
pull
Entries 83
Mean 3416
Std Dev 0
pull1D
Entries 83
Mean 0.00157
Std Dev 0.8262

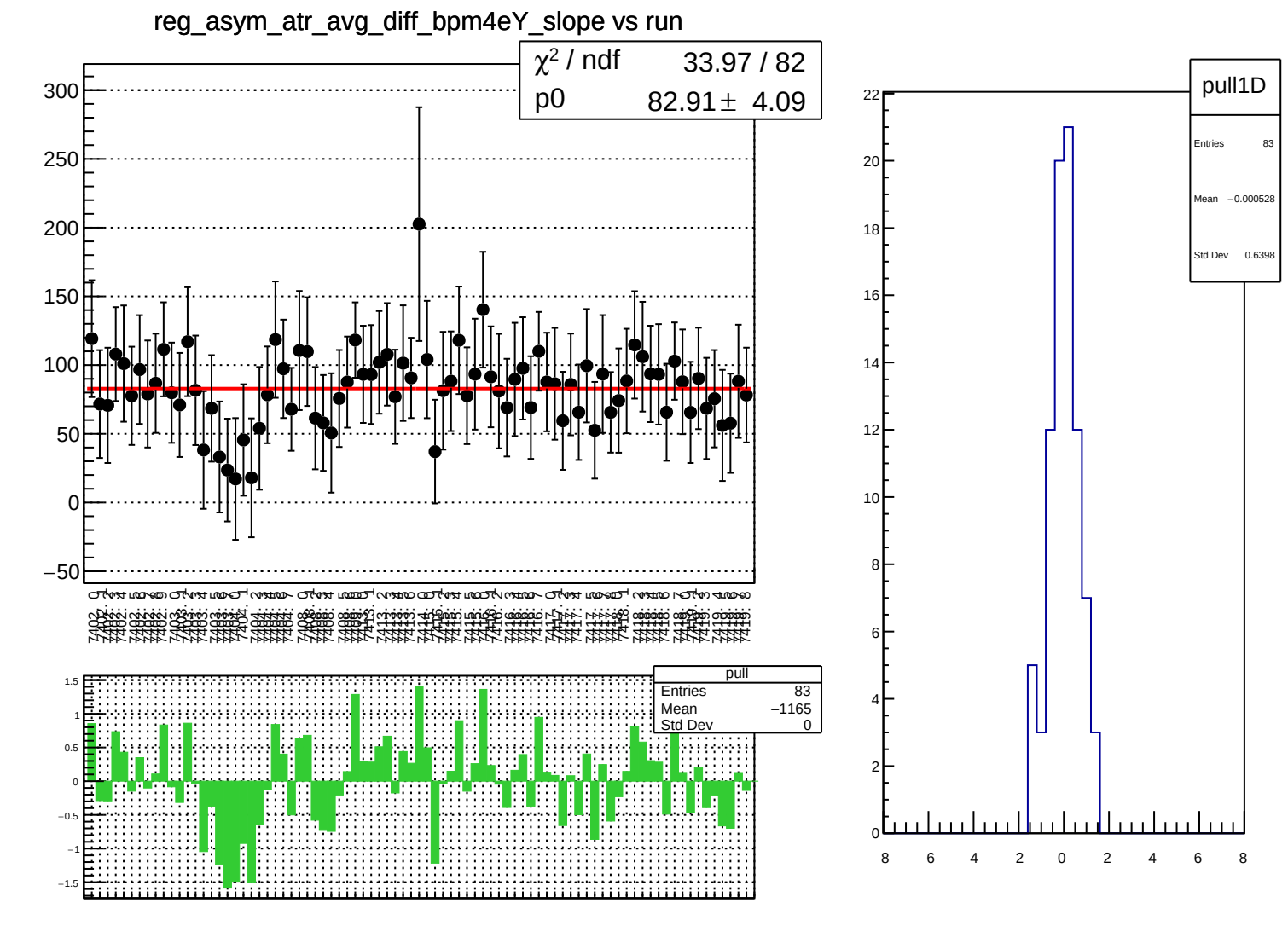

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 78.02 / 82
p0 −163.3 ± 3.885
−100
−150
−200
−250
−300
−350
pull
Entries 83
Mean 30.34
Std Dev 32.99
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

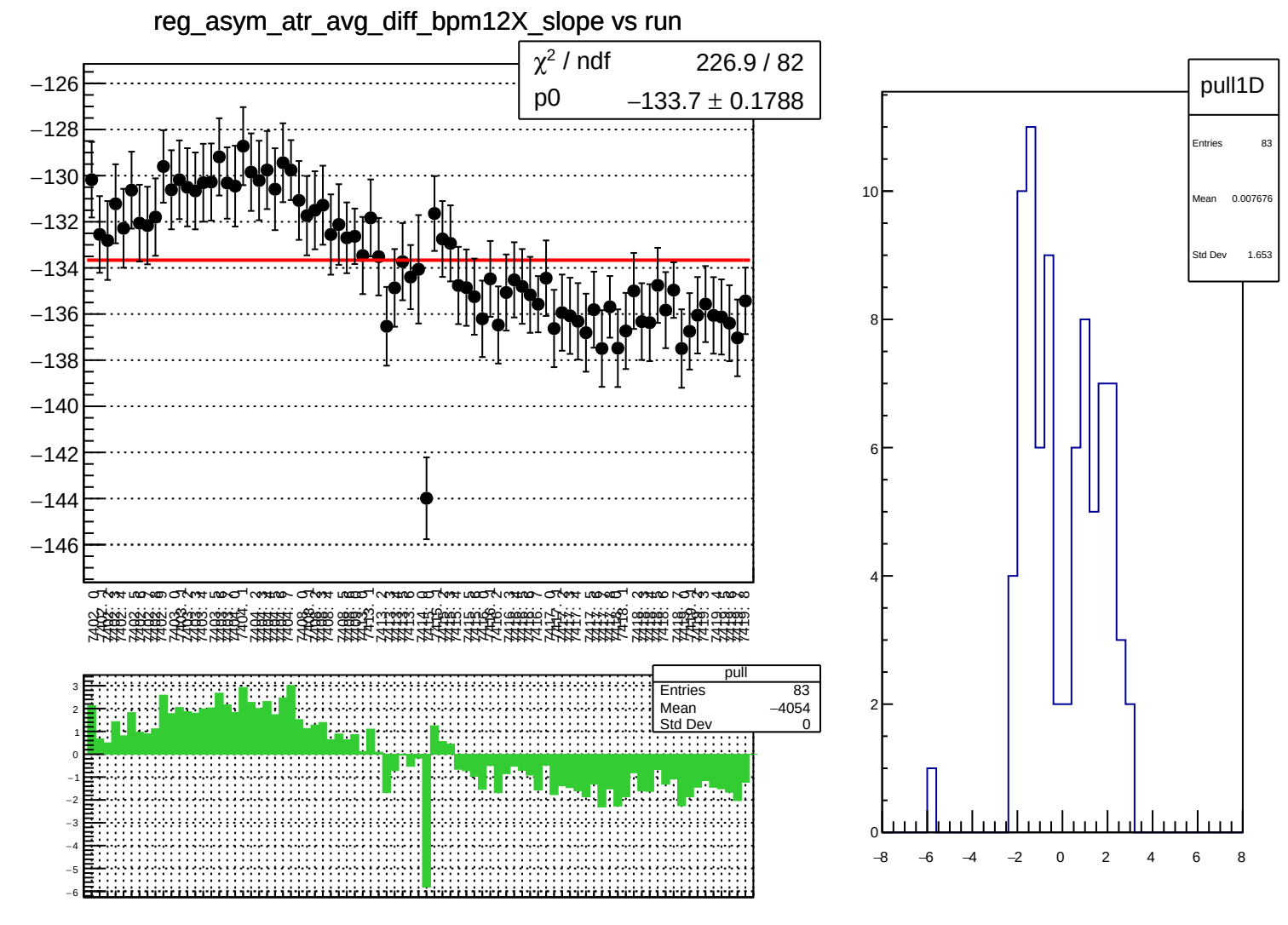

pull1D
Entries 83
Mean −0.08459
Std Dev 0.9659
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

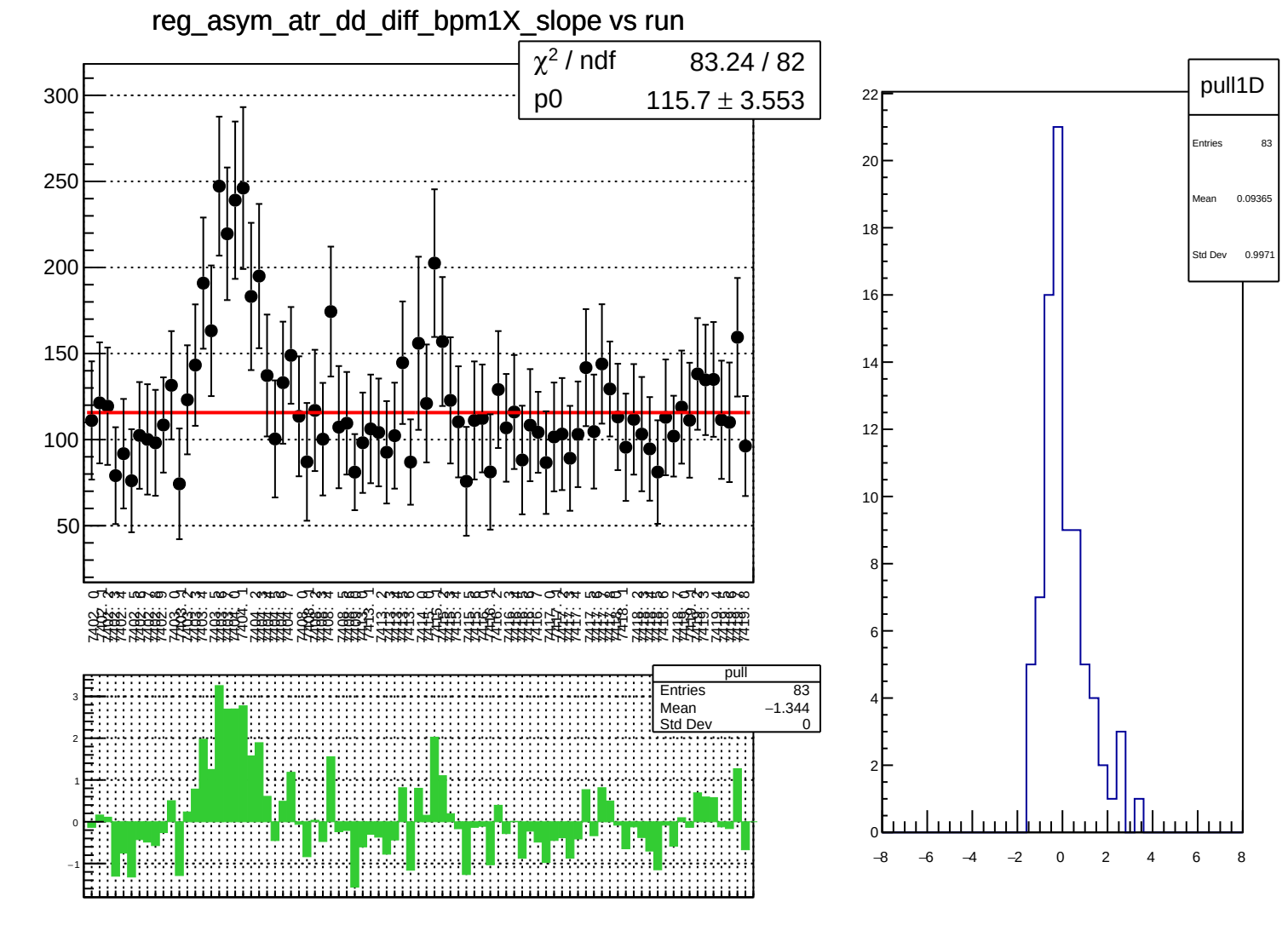

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.91 / 82
p0 −29.01 ± 3.884
pull
Entries 83
Mean 66.46
Std Dev 0

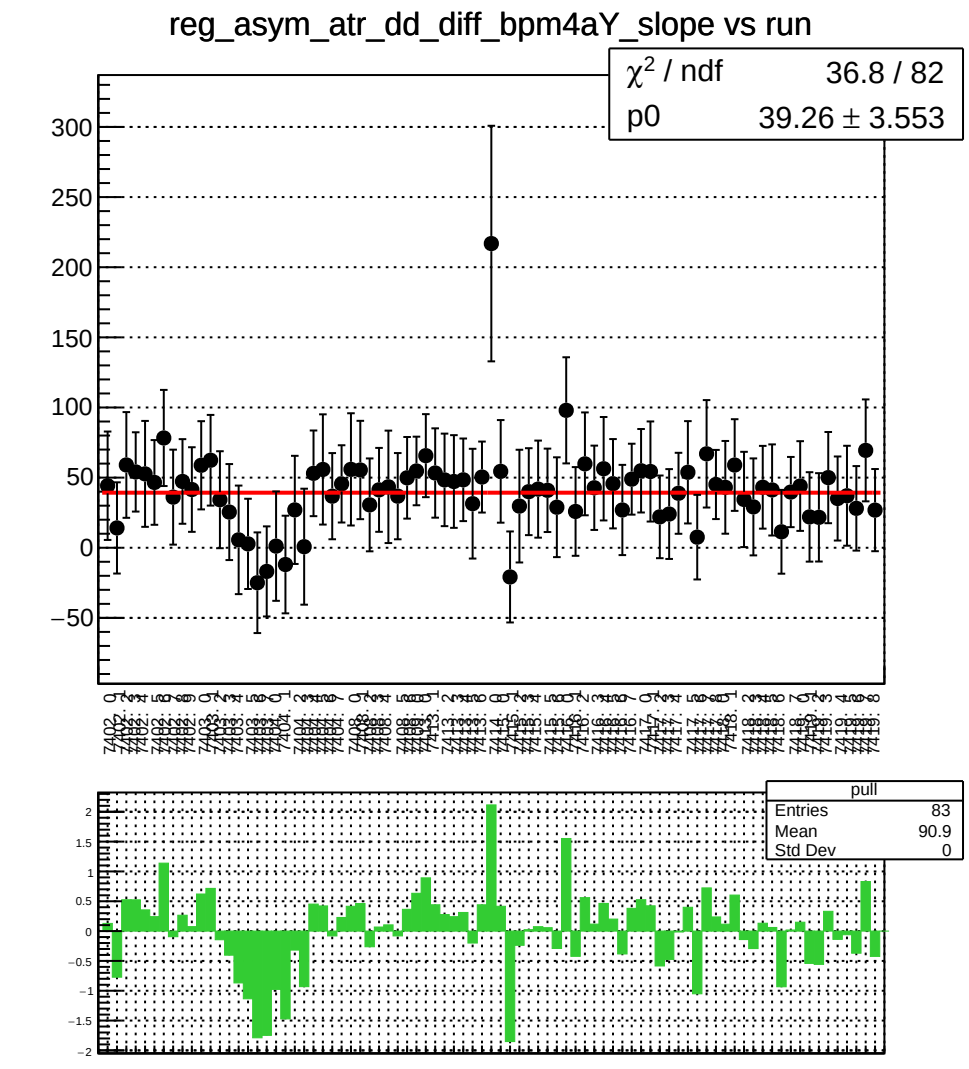

pull1D
Entries 83
Mean −0.006969
Std Dev 0.6485

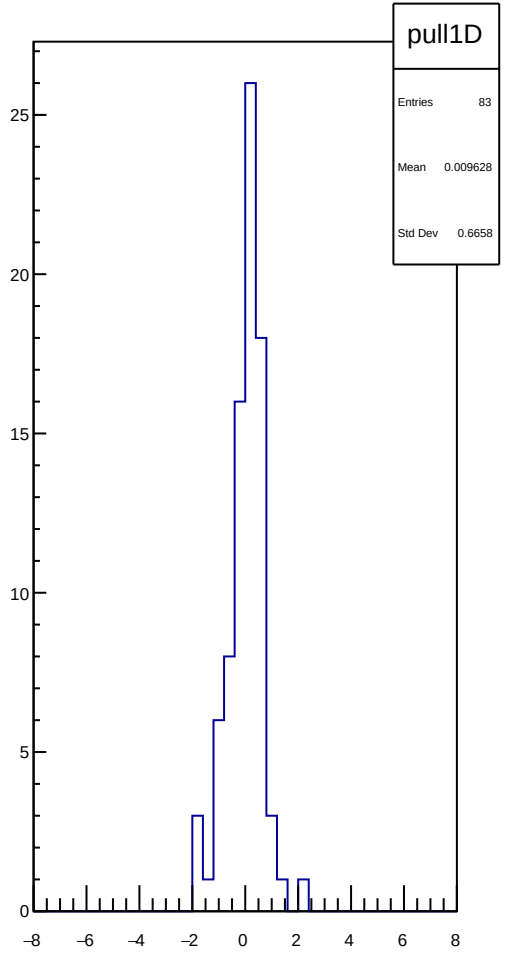

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.35 / 82
p0 187 ± 4.01
pull
Entries 83
Mean 22.34
Std Dev 25.49
pull1D
Entries 83
Mean 0.08911
Std Dev 0.9799

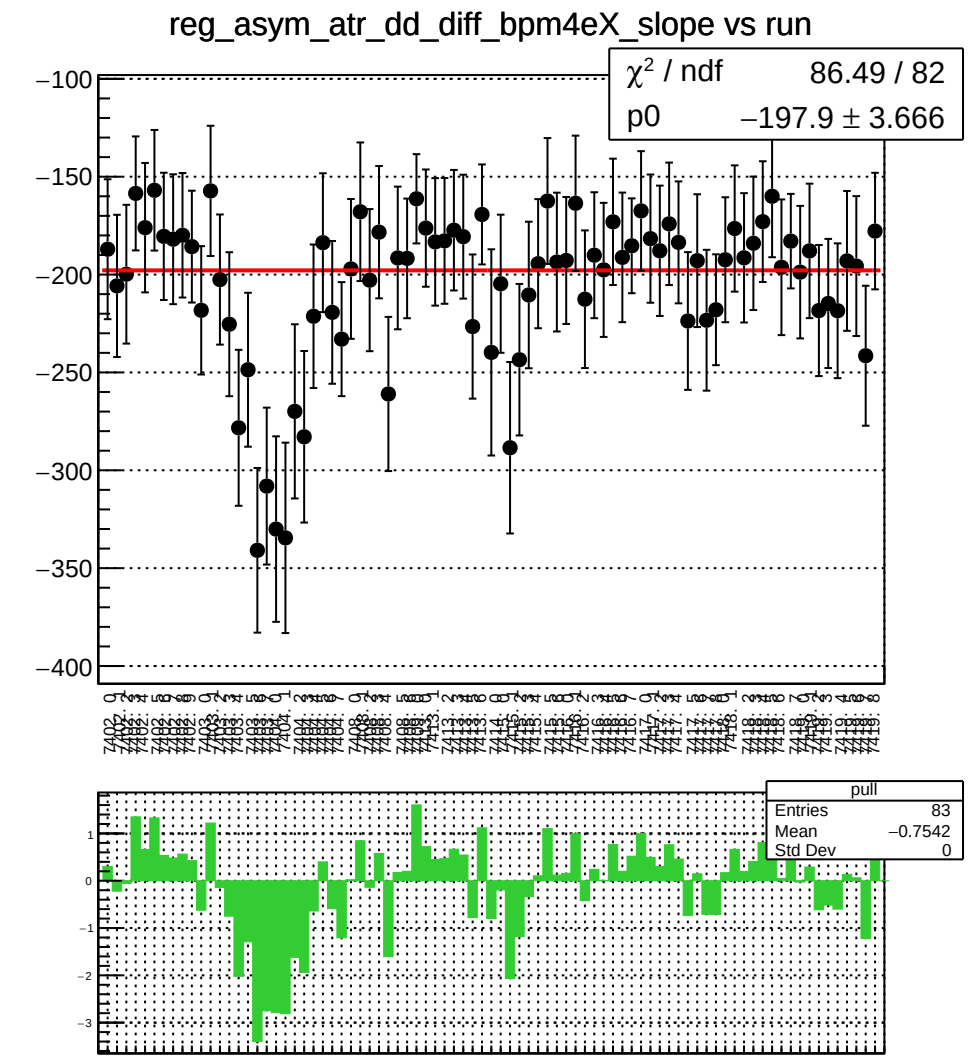

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.97 / 82
p0 82.91 ± 4.09
pull
Entries 83
Mean −1165
Std Dev 0
pull1D
Entries 83
Mean −0.000528
Std Dev 0.6398

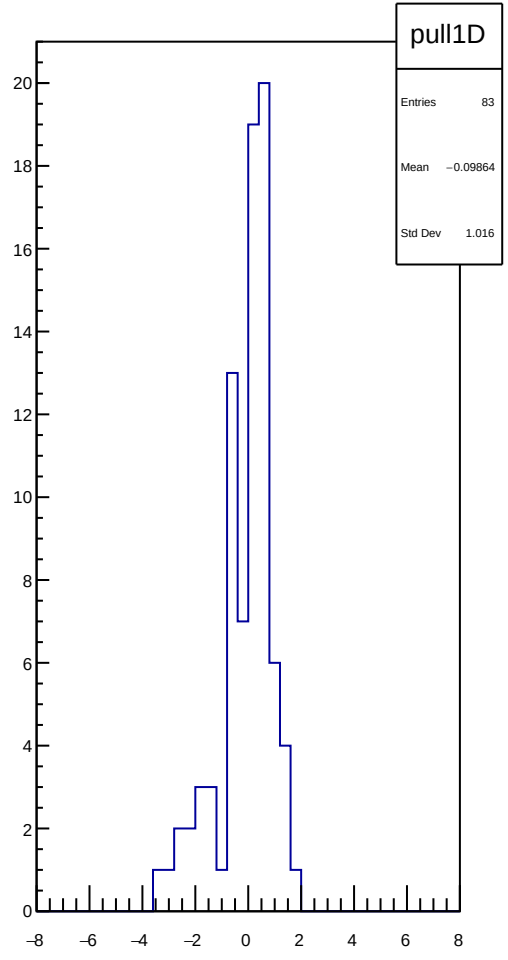

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 226.9 / 82
p0 −133.7 ± 0.1788
pull
Entries 83
Mean −4054
Std Dev 0
pull1D
Entries 83
Mean 0.007676
Std Dev 1.653

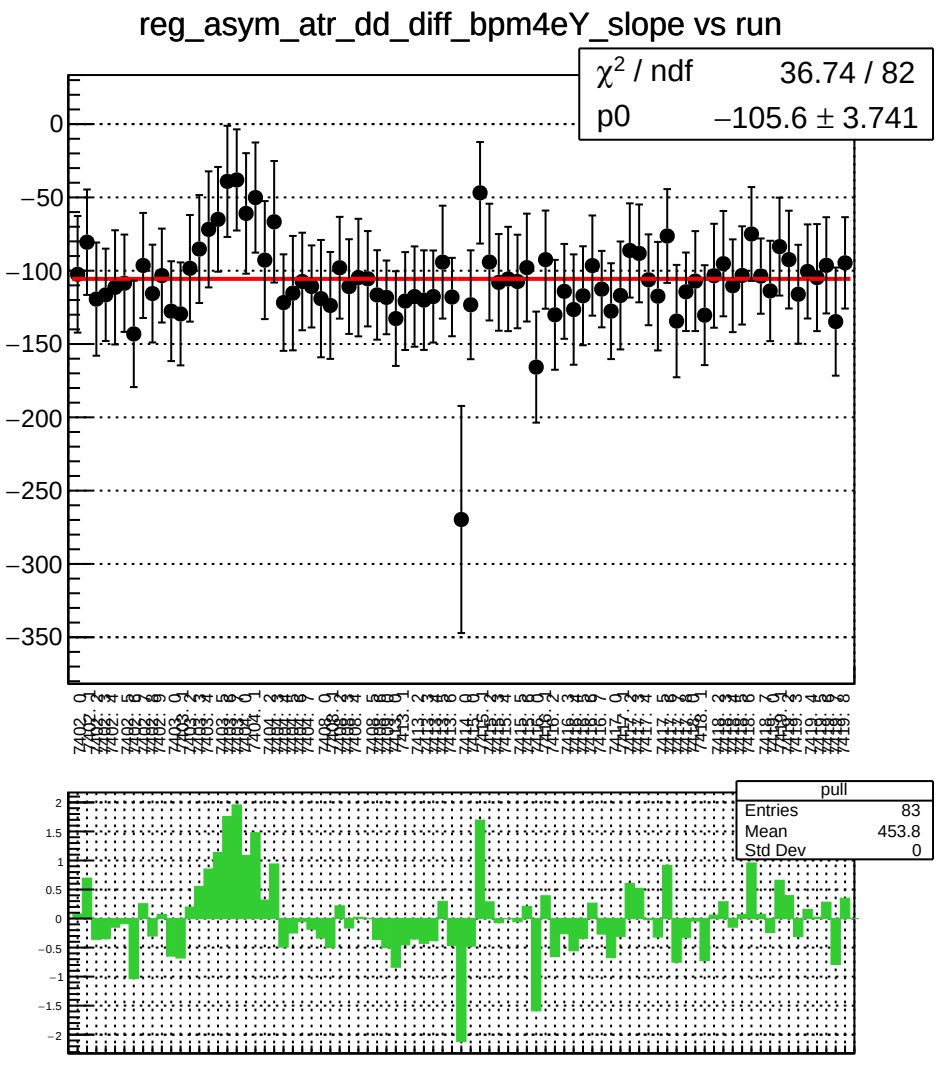

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 83.24 / 82
p0 115.7 ± 3.553
pull
Entries 83
Mean −1.344
Std Dev 0
pull1D
Entries 83
Mean 0.09365
Std Dev 0.9971

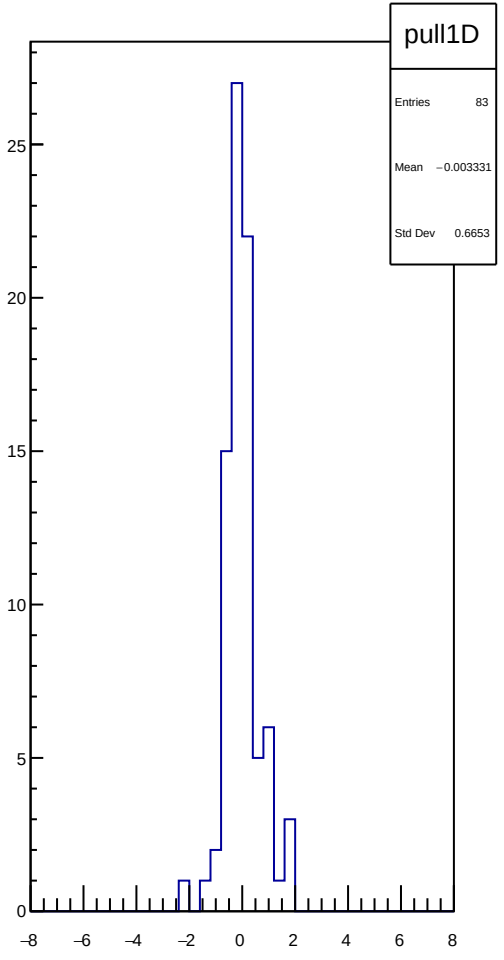

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 36.8 / 82
p0 39.26 ± 3.553
pull
Entries 83
Mean 90.9
Std Dev 0

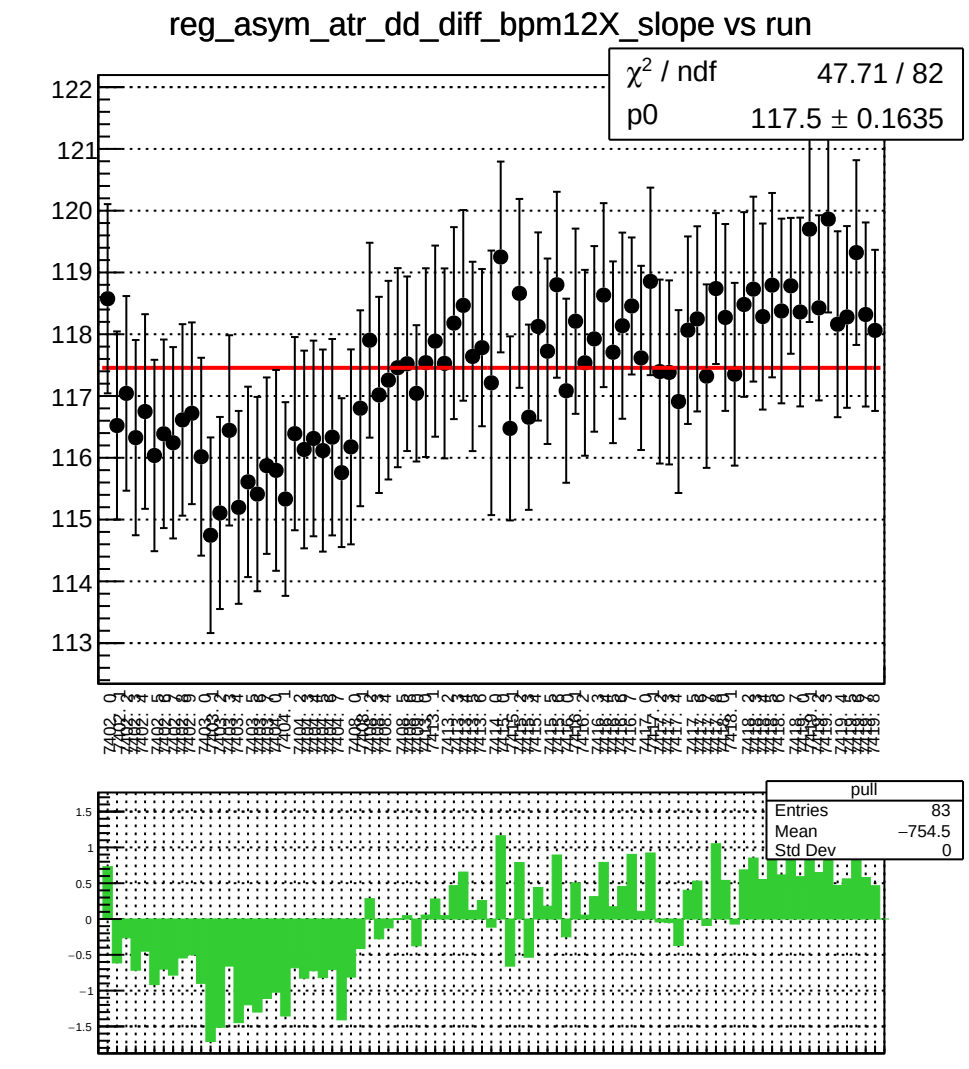

pull1D
Entries 83
Mean 0.009628
Std Dev 0.6658

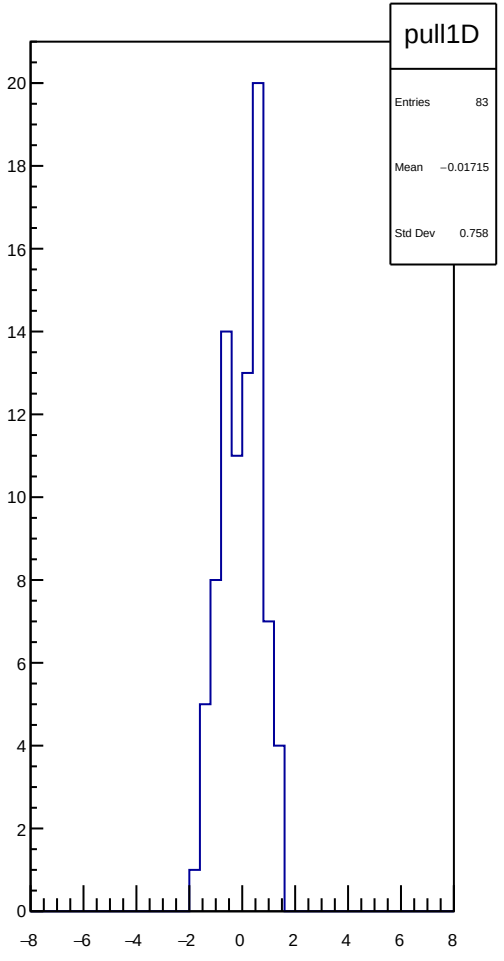

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.49 / 82
p0 −197.9 ± 3.666
pull
Entries 83
Mean −0.7542
Std Dev 0

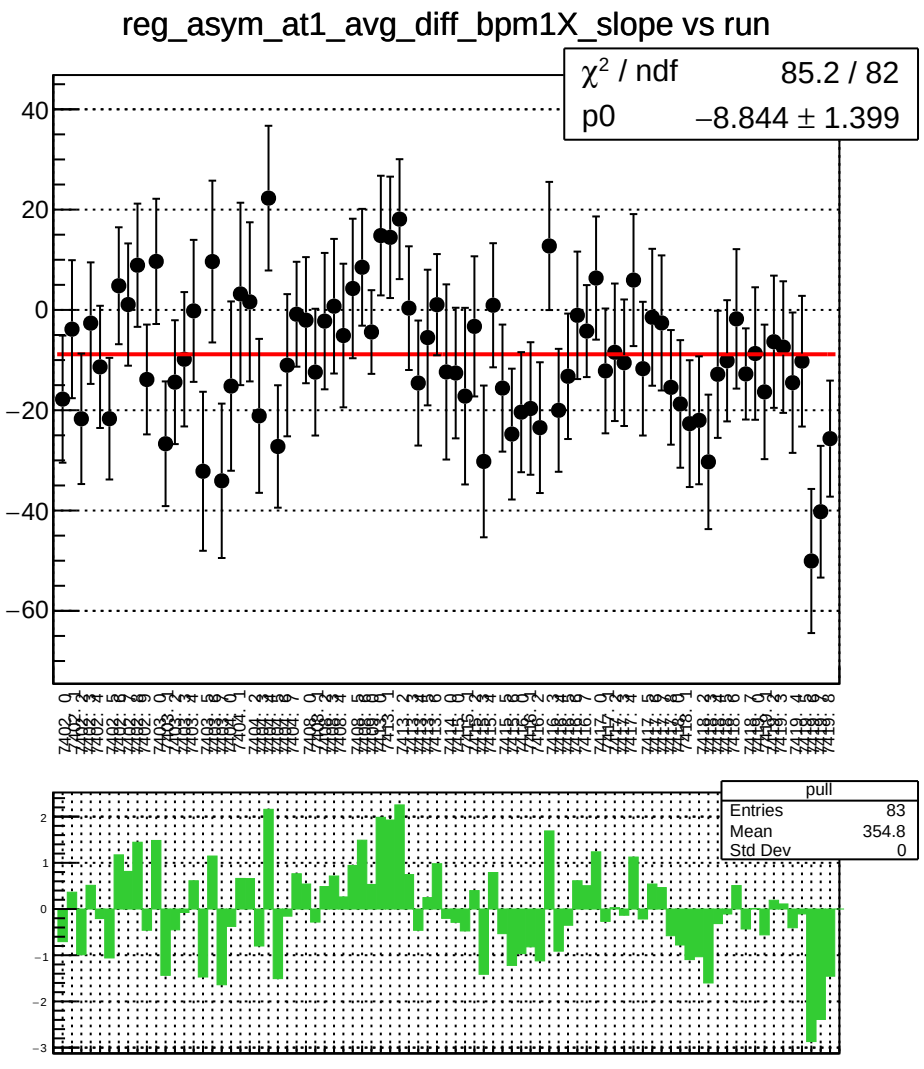

pull1D
Entries 83
Mean −0.09864
Std Dev 1.016

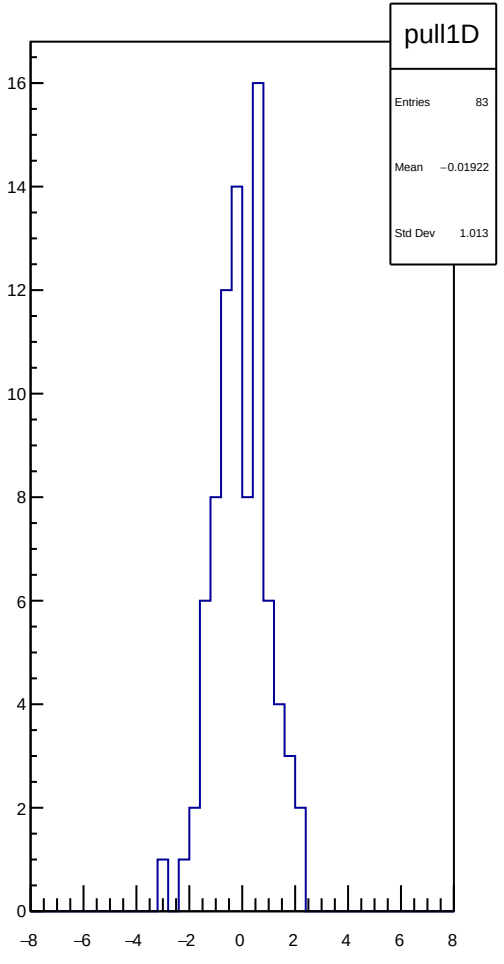

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.74 / 82
p0 −105.6 ± 3.741
pull
Entries 83
Mean 453.8
Std Dev 0

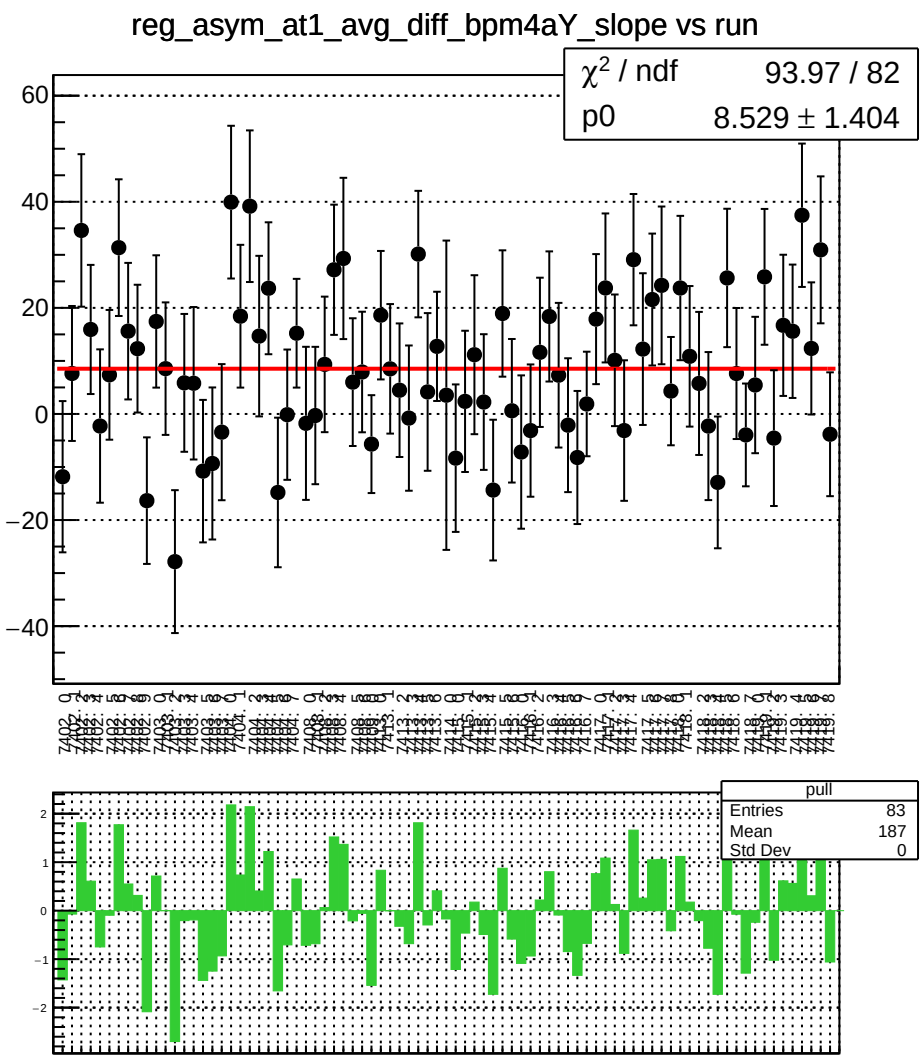

pull1D
Entries 83
Mean −0.003331
Std Dev 0.6653

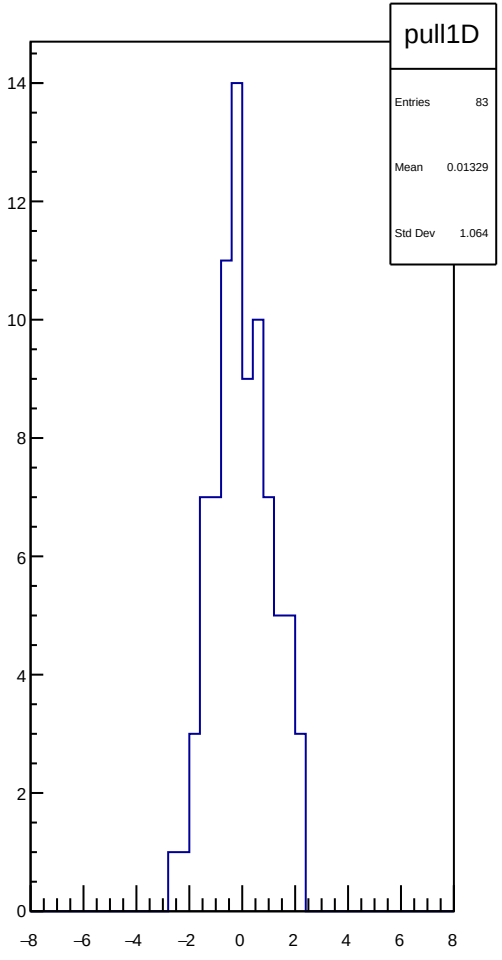

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 47.71 / 82
p0 117.5 ± 0.1635
pull
Entries 83
Mean −754.5
Std Dev 0

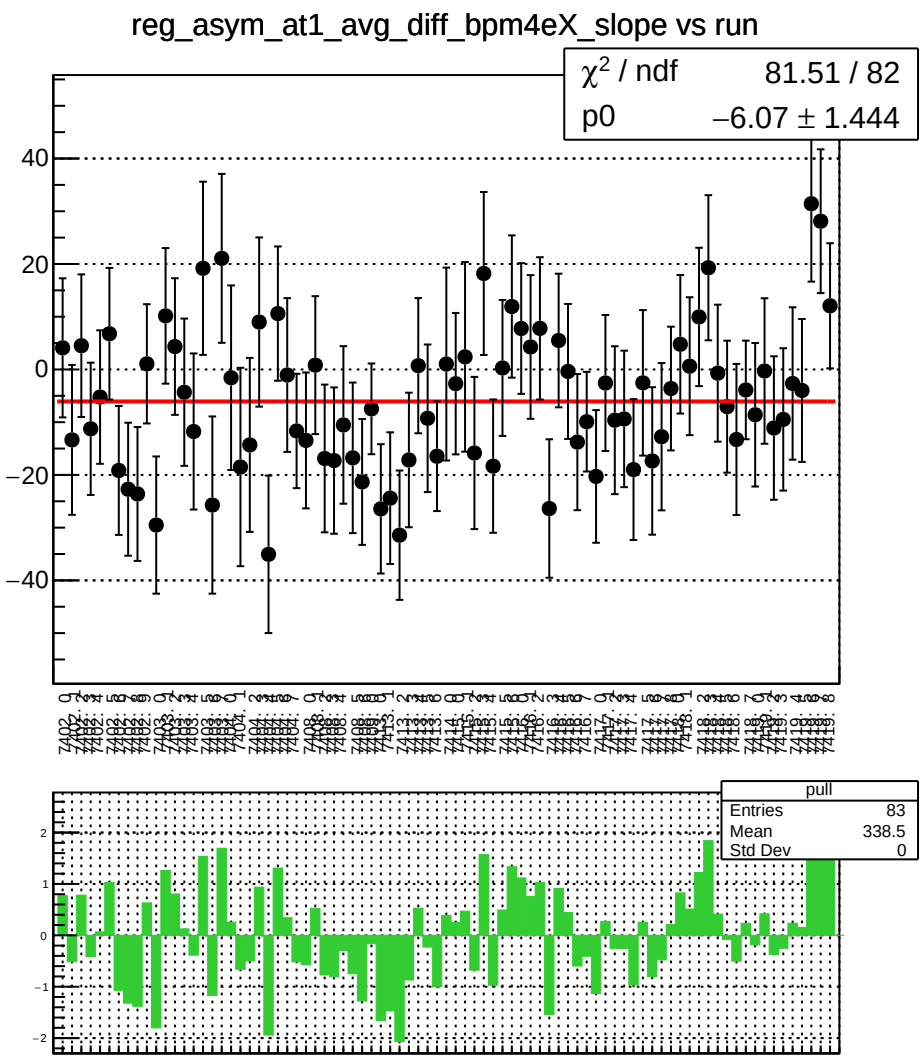

pull1D
Entries 83
Mean −0.01715
Std Dev 0.758

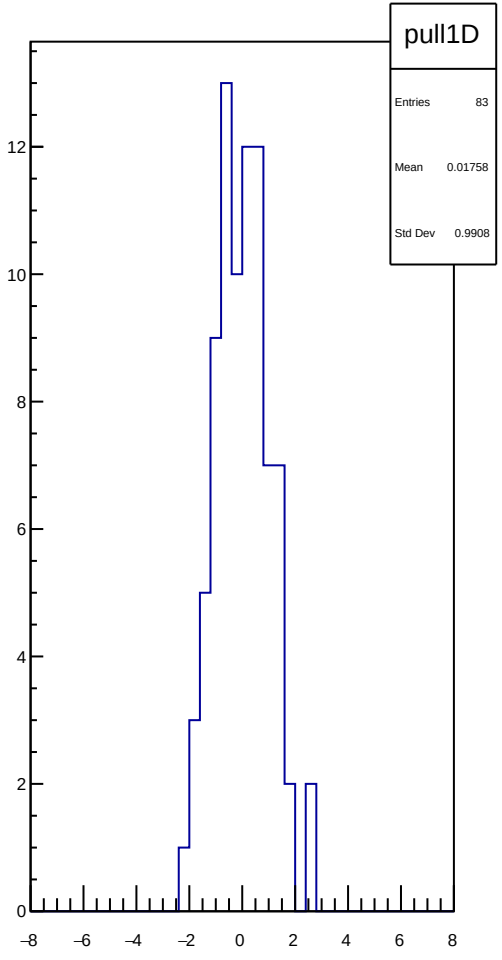

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 85.2 / 82
p0 −8.844 ± 1.399
pull
Entries 83
Mean 354.8
Std Dev 0

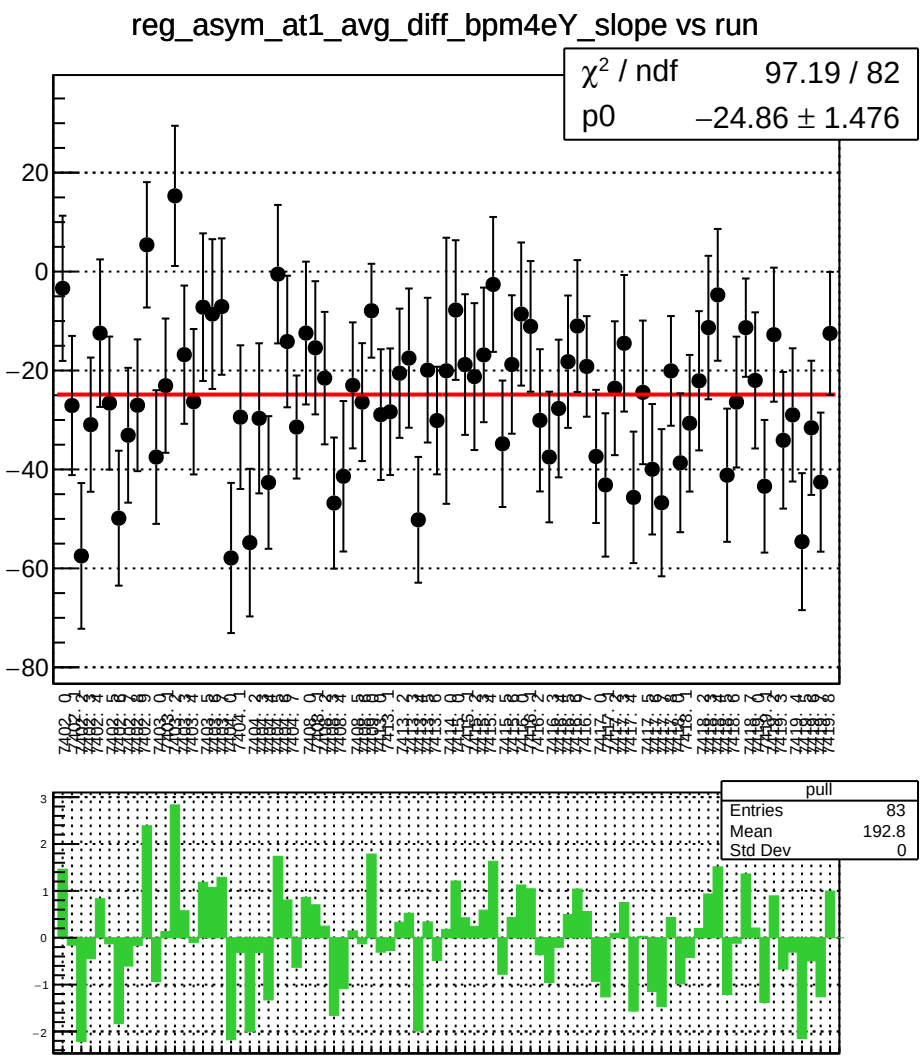

pull1D
Entries 83
Mean −0.01922
Std Dev 1.013

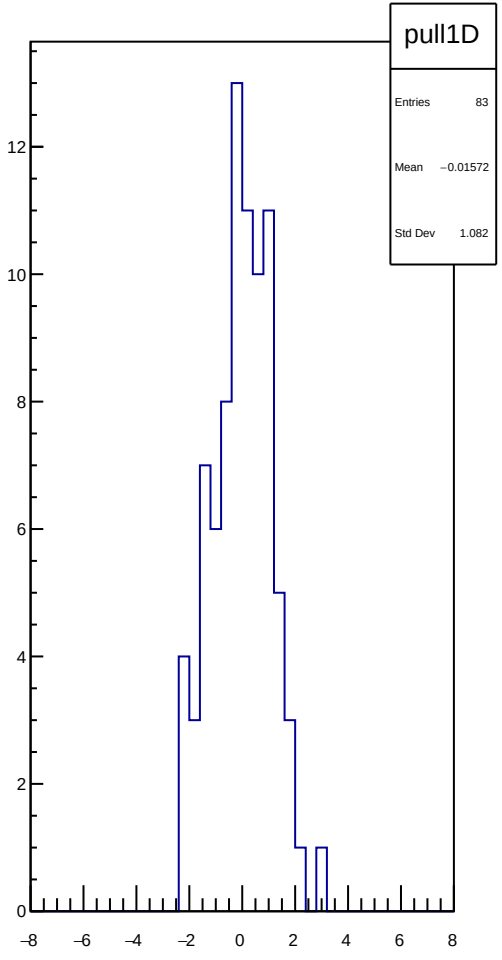

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 93.97 / 82
p0 8.529 ± 1.404
pull
Entries 83
Mean 187
Std Dev 0

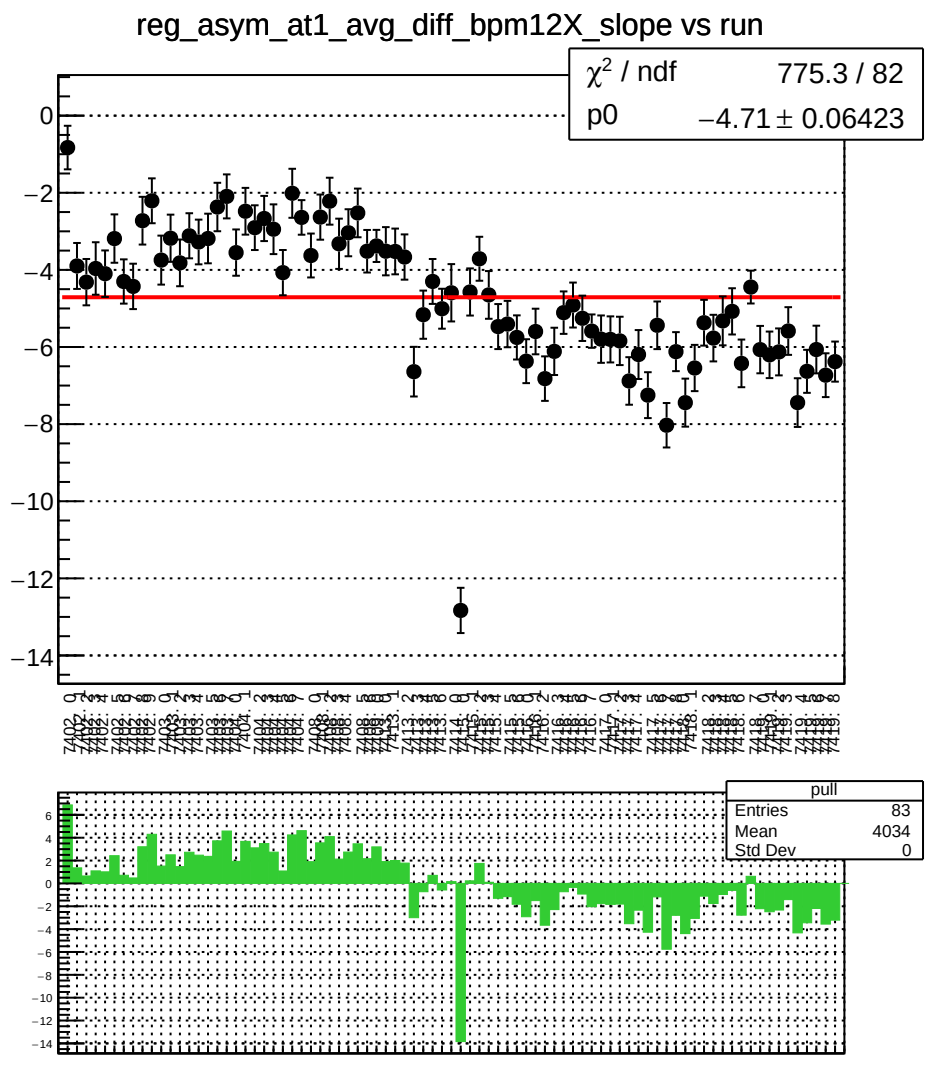

pull1D
Entries 83
Mean 0.01329
Std Dev 1.064

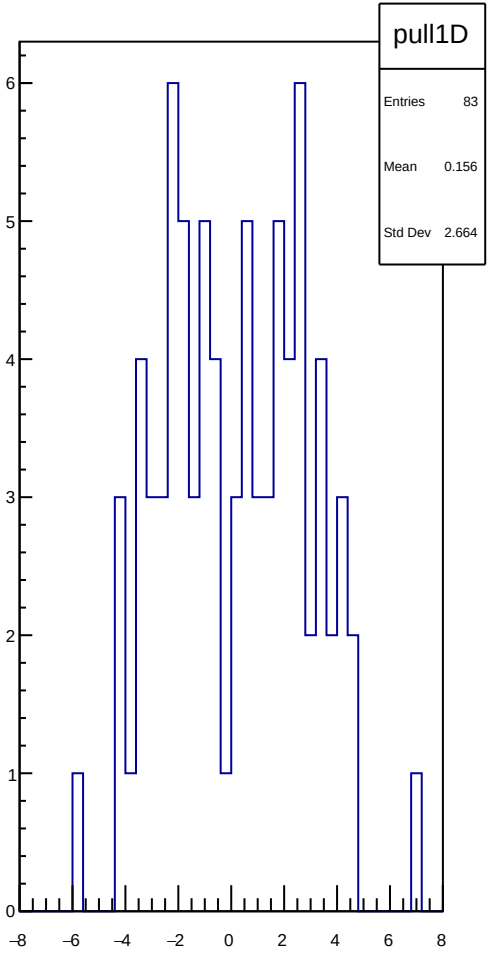

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.51 / 82
p0 −6.07 ± 1.444
40
20
0
−20
−40
pull
Entries 83
Mean 338.5
Std Dev 0
2
1
0
−1
−2

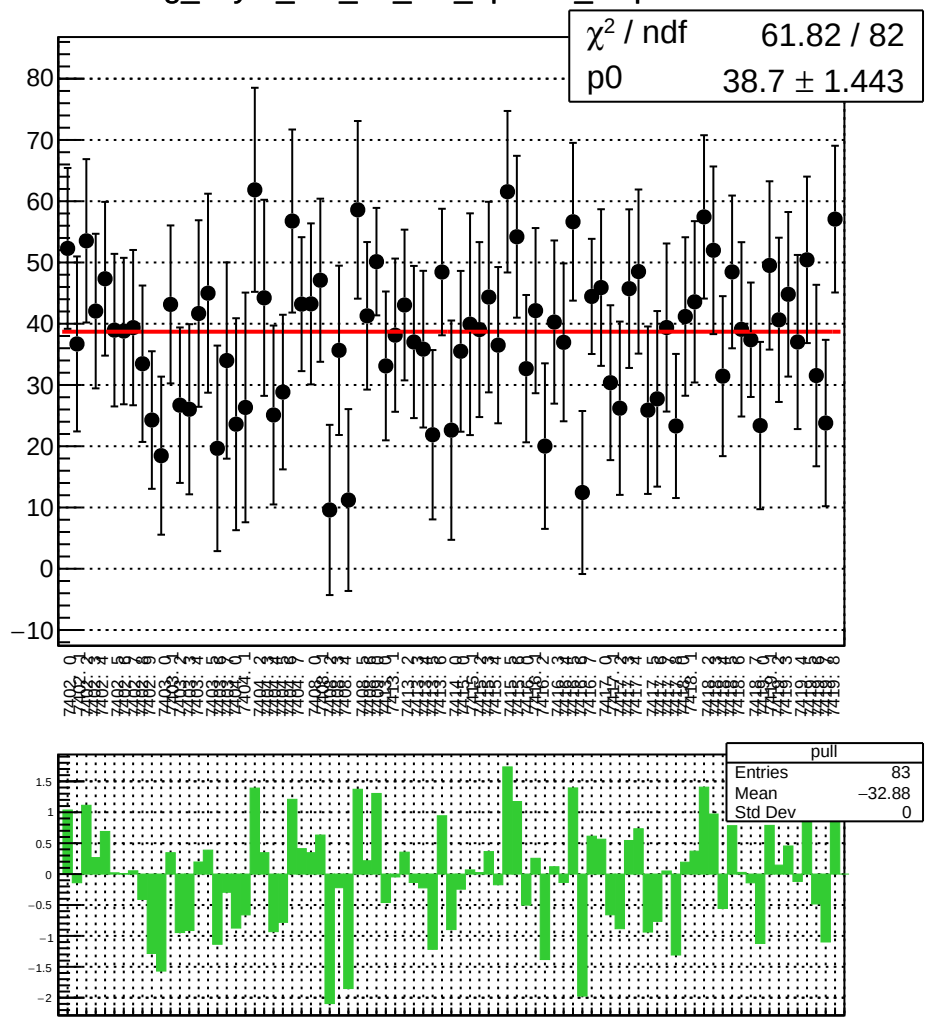

pull1D
Entries 83
Mean 0.01758
Std Dev 0.9908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

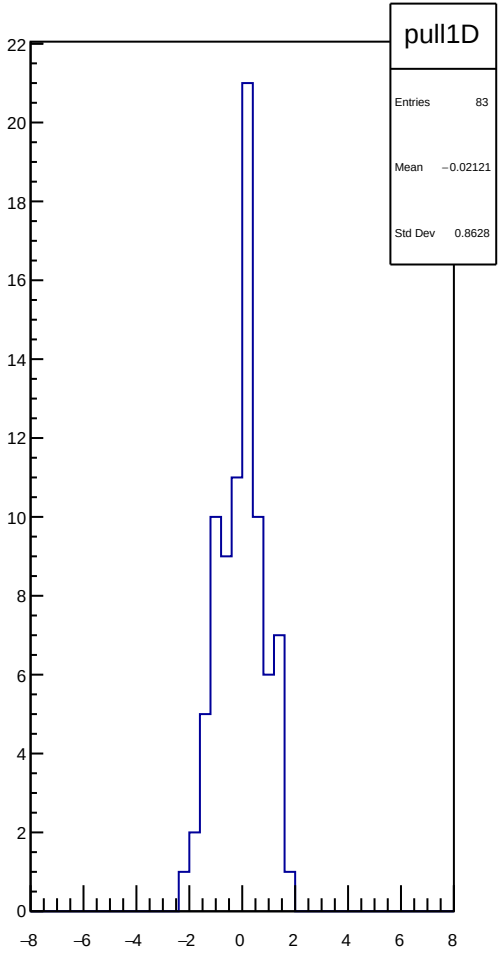

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 97.19 / 82
p0 −24.86 ± 1.476
20
0
−20
−40
−60
−80
pull
Entries 83
Mean 192.8
Std Dev 0
3
2
1
0
−1
−2

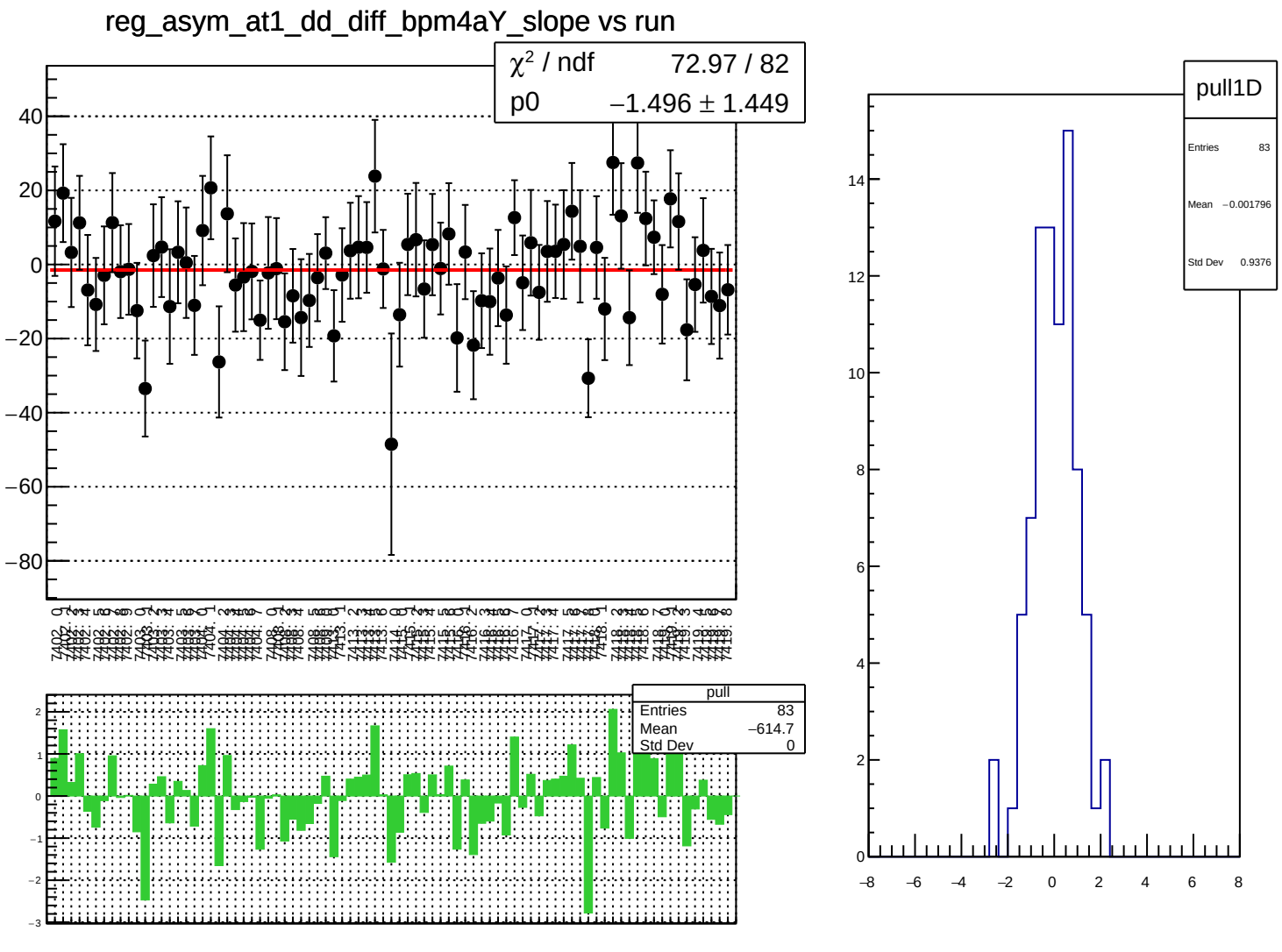

pull1D
Entries 83
Mean −0.01572
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

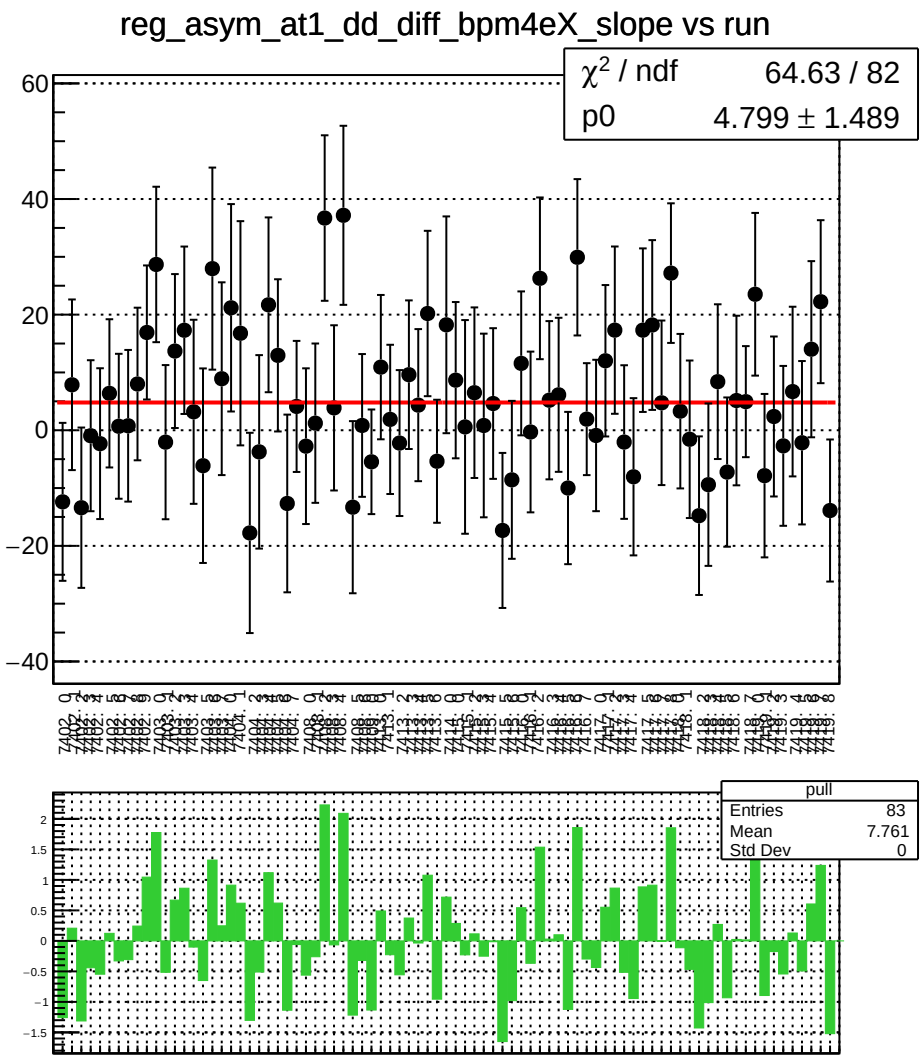

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 775.3 / 82
p0 −4.71 ± 0.06423
pull
Entries 83
Mean 4034
Std Dev 0

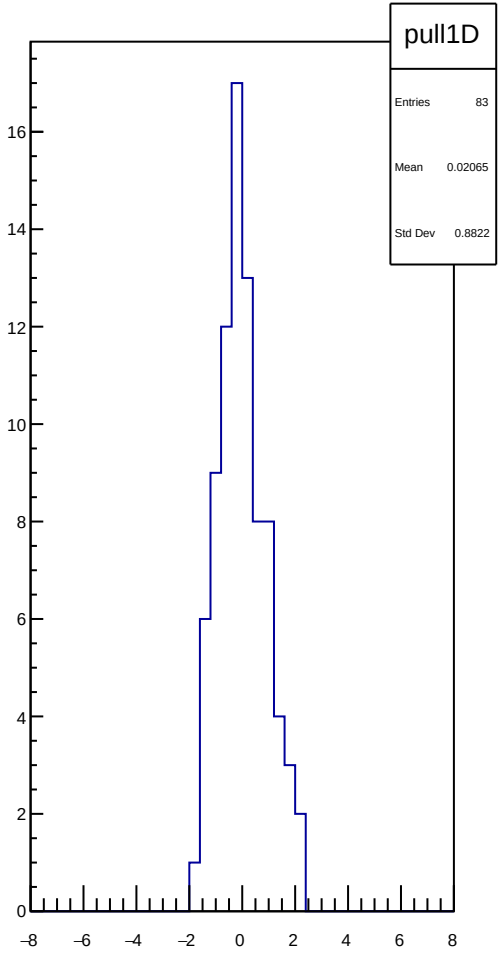

pull1D
Entries 83
Mean 0.156
Std Dev 2.664

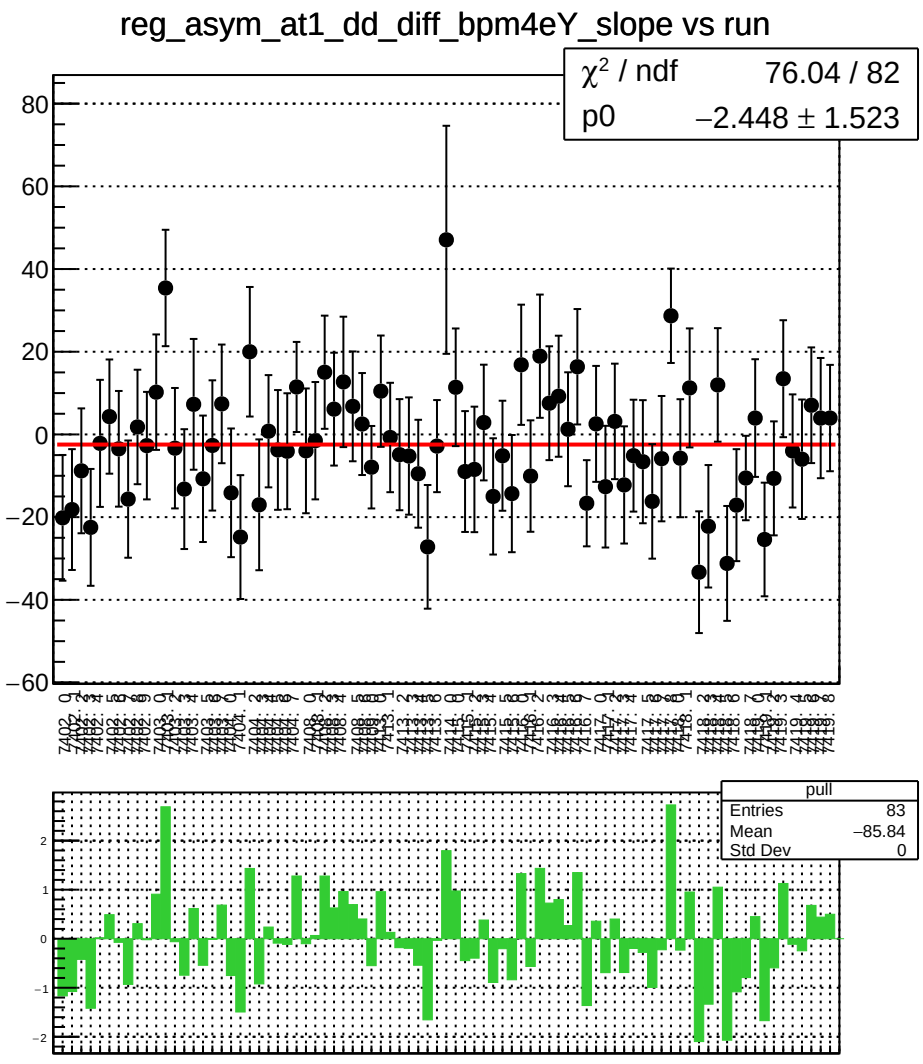

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 61.82 / 82
p0 38.7 ± 1.443
pull
Entries 83
Mean −32.88
Std Dev 0

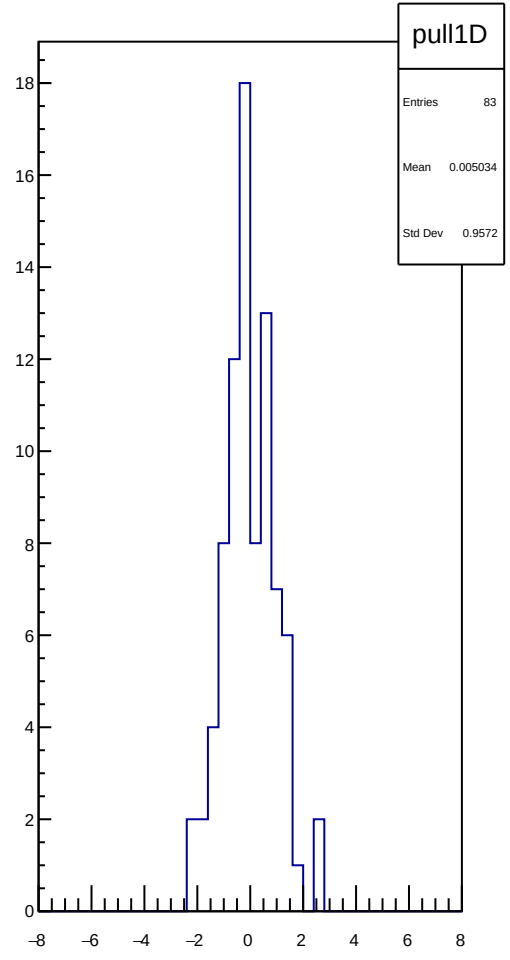

pull1D
Entries 83
Mean −0.02121
Std Dev 0.8628

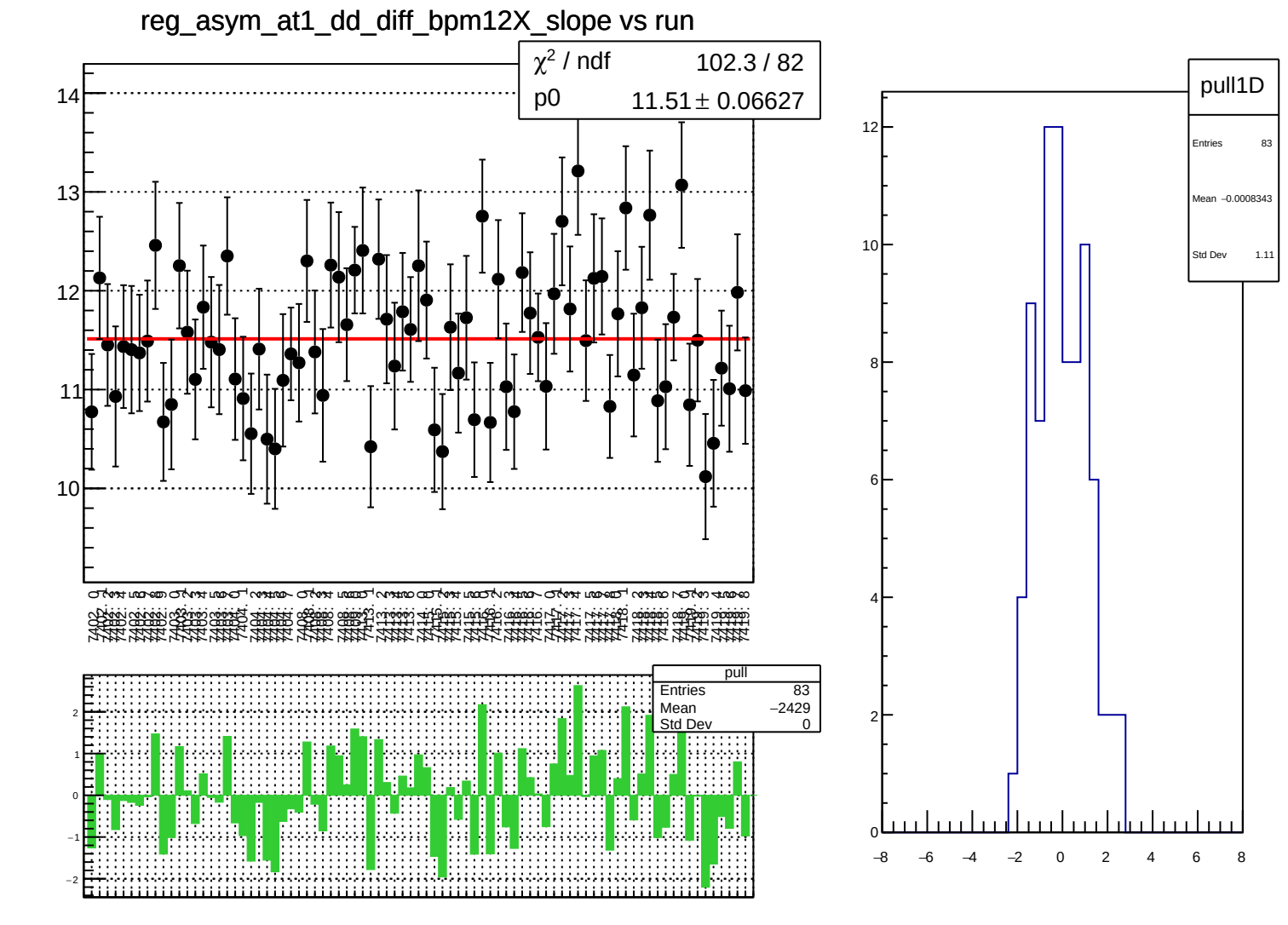

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.97 / 82
p0 −1.496 ± 1.449
pull
Entries 83
Mean −614.7
Std Dev 0
pull1D
Entries 83
Mean −0.001796
Std Dev 0.9376

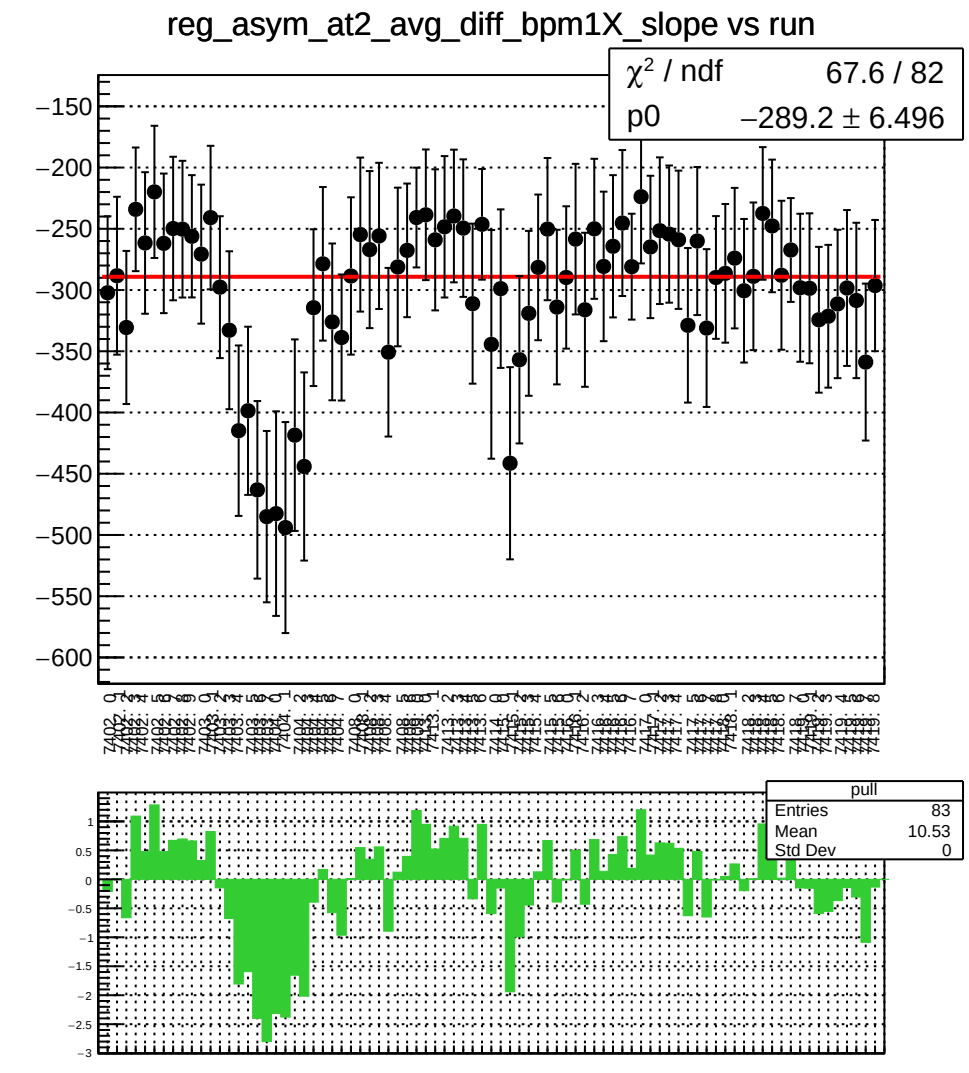

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.63 / 82
p0 4.799 ± 1.489
pull
Entries 83
Mean 7.761
Std Dev 0

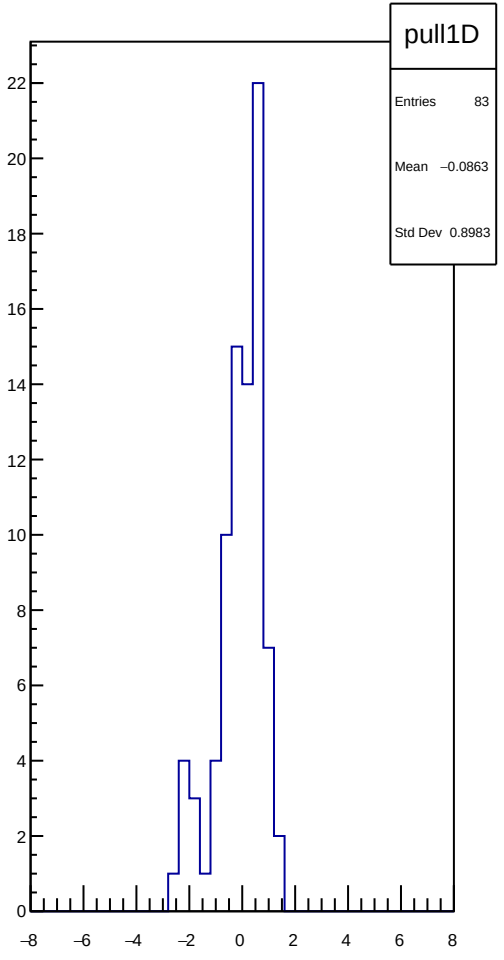

pull1D
Entries 83
Mean 0.02065
Std Dev 0.8822

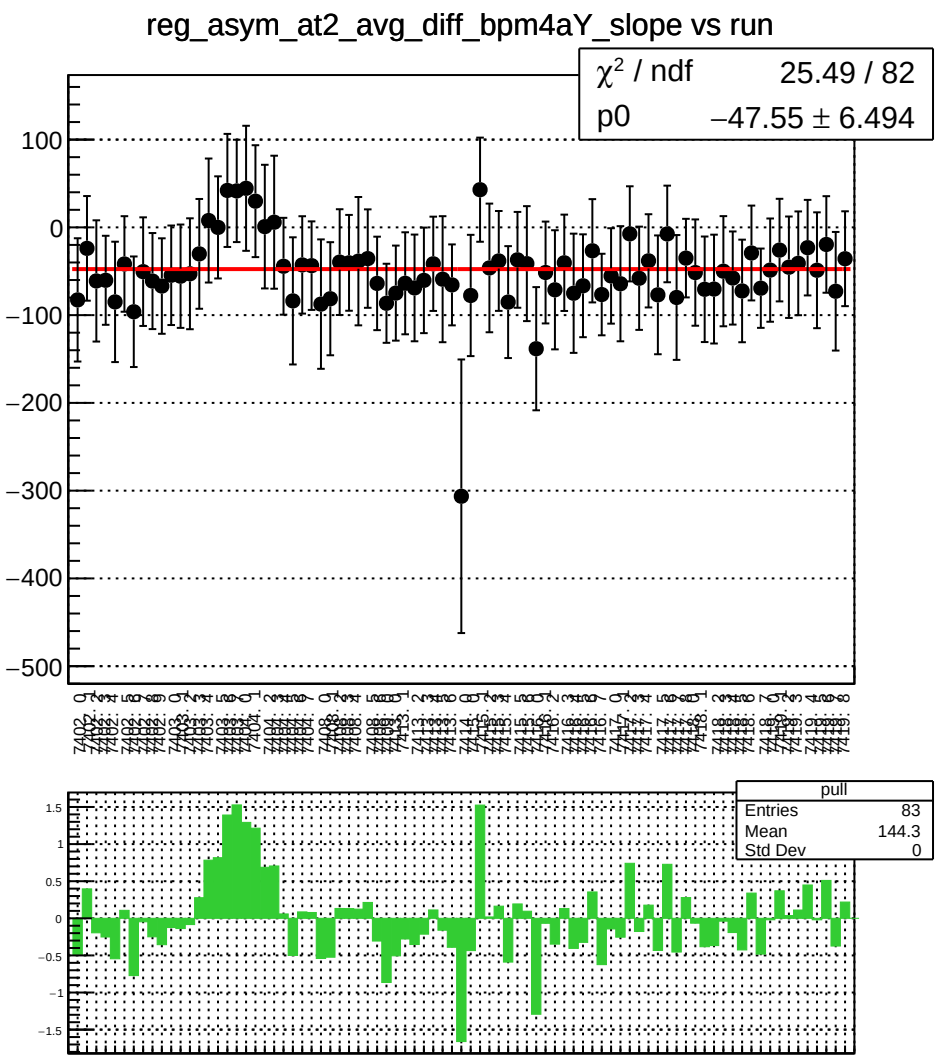

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.04 / 82
p0 −2.448 ± 1.523
pull
Entries 83
Mean −85.84
Std Dev 0

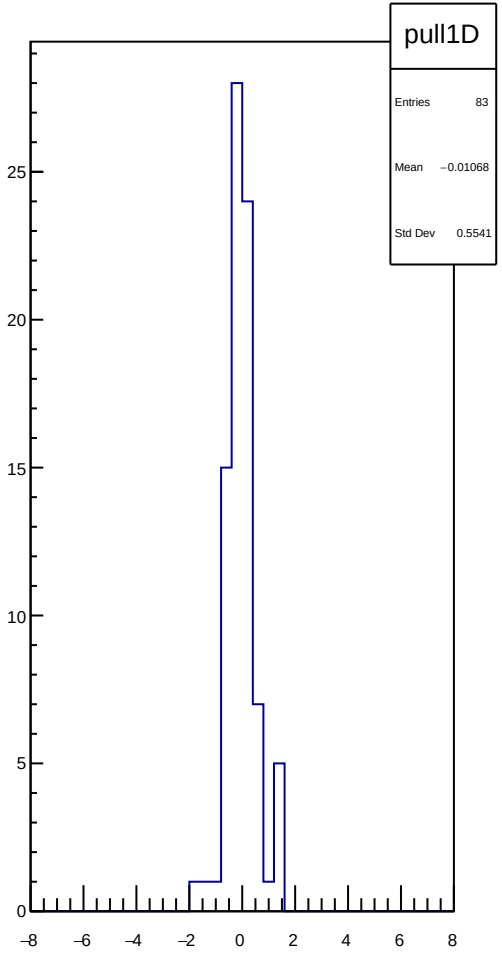

pull1D
Entries 83
Mean 0.005034
Std Dev 0.9572

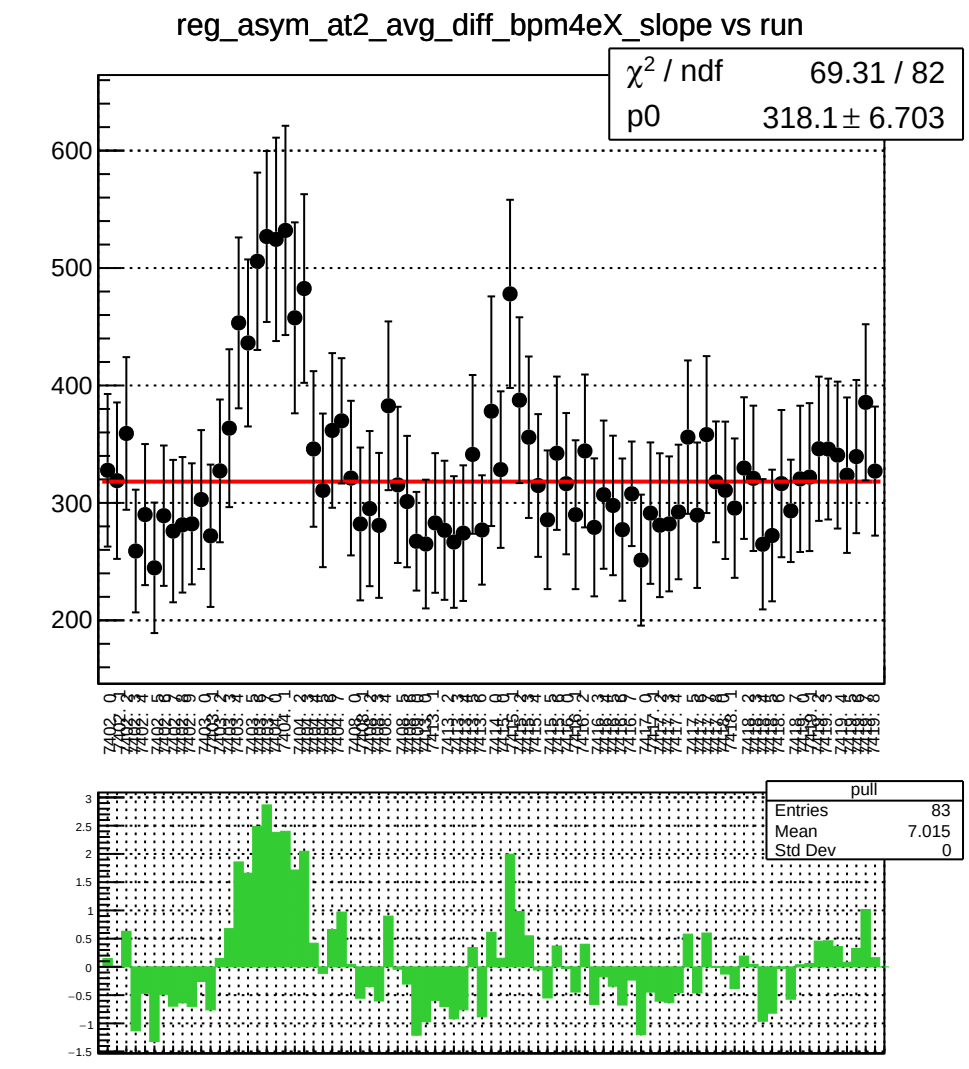

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 102.3 / 82
p0 11.51 ± 0.06627
pull
Entries 83
Mean −2429
Std Dev 0
pull1D
Entries 83
Mean −0.0008343
Std Dev 1.11

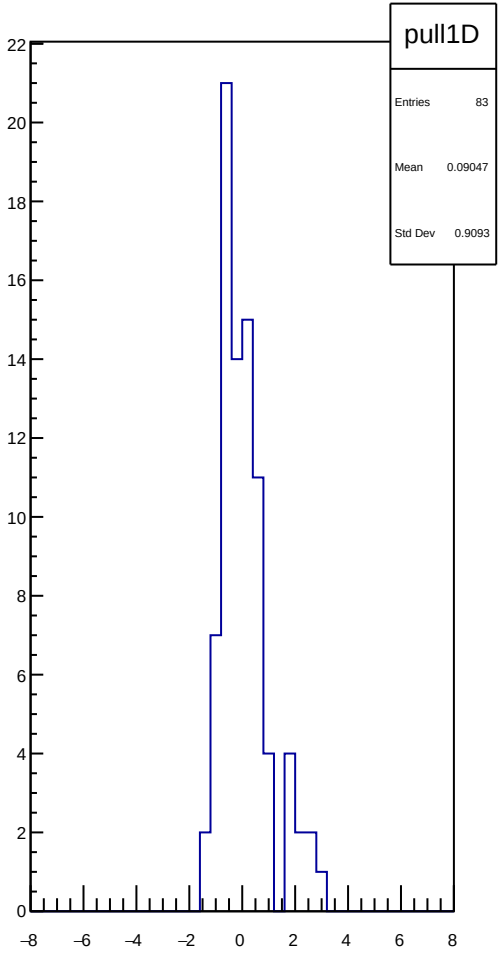

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 67.6 / 82
p0 −289.2 ± 6.496
pull
Entries 83
Mean 10.53
Std Dev 0

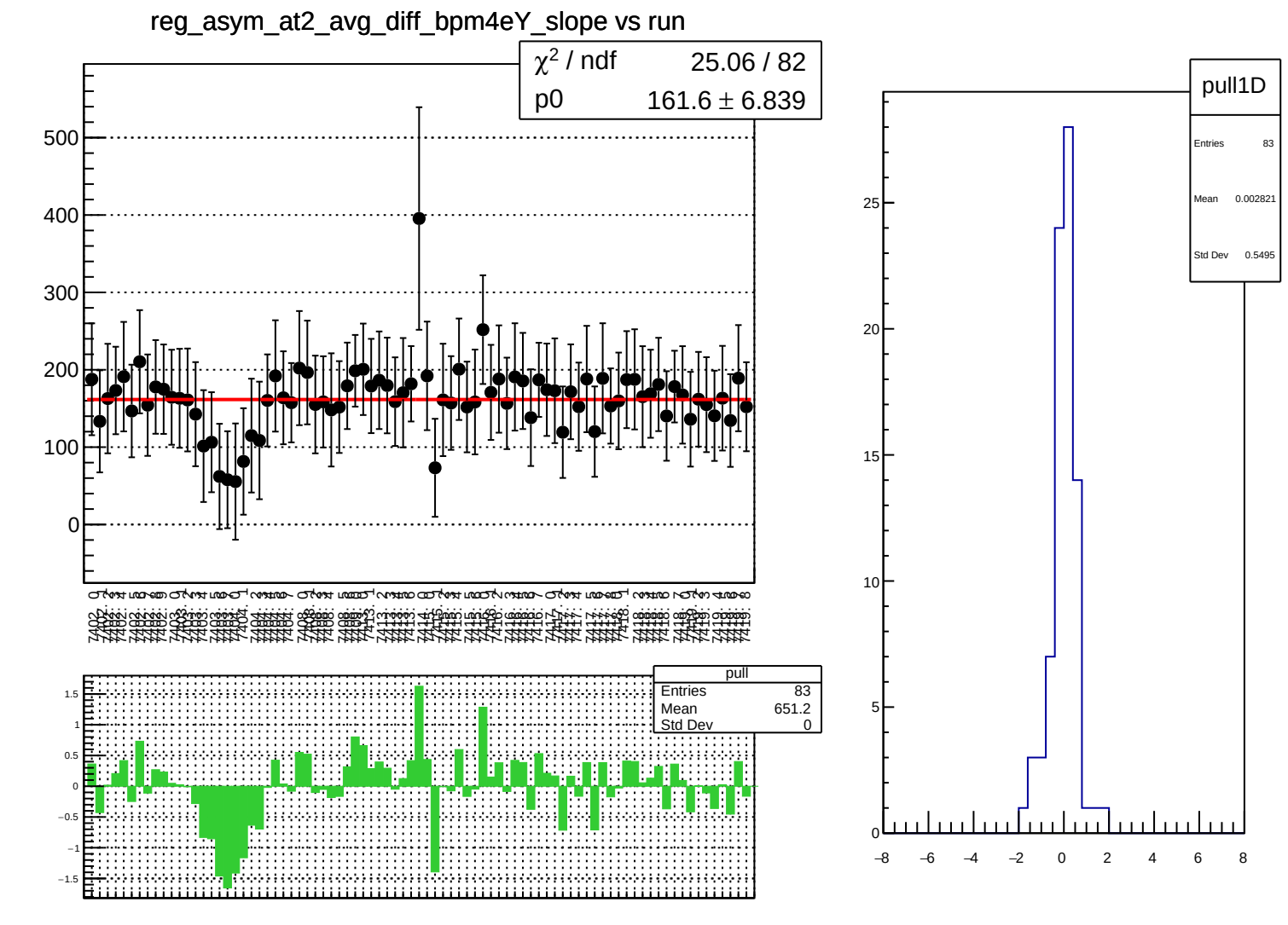

pull1D
Entries 83
Mean −0.0863
Std Dev 0.8983

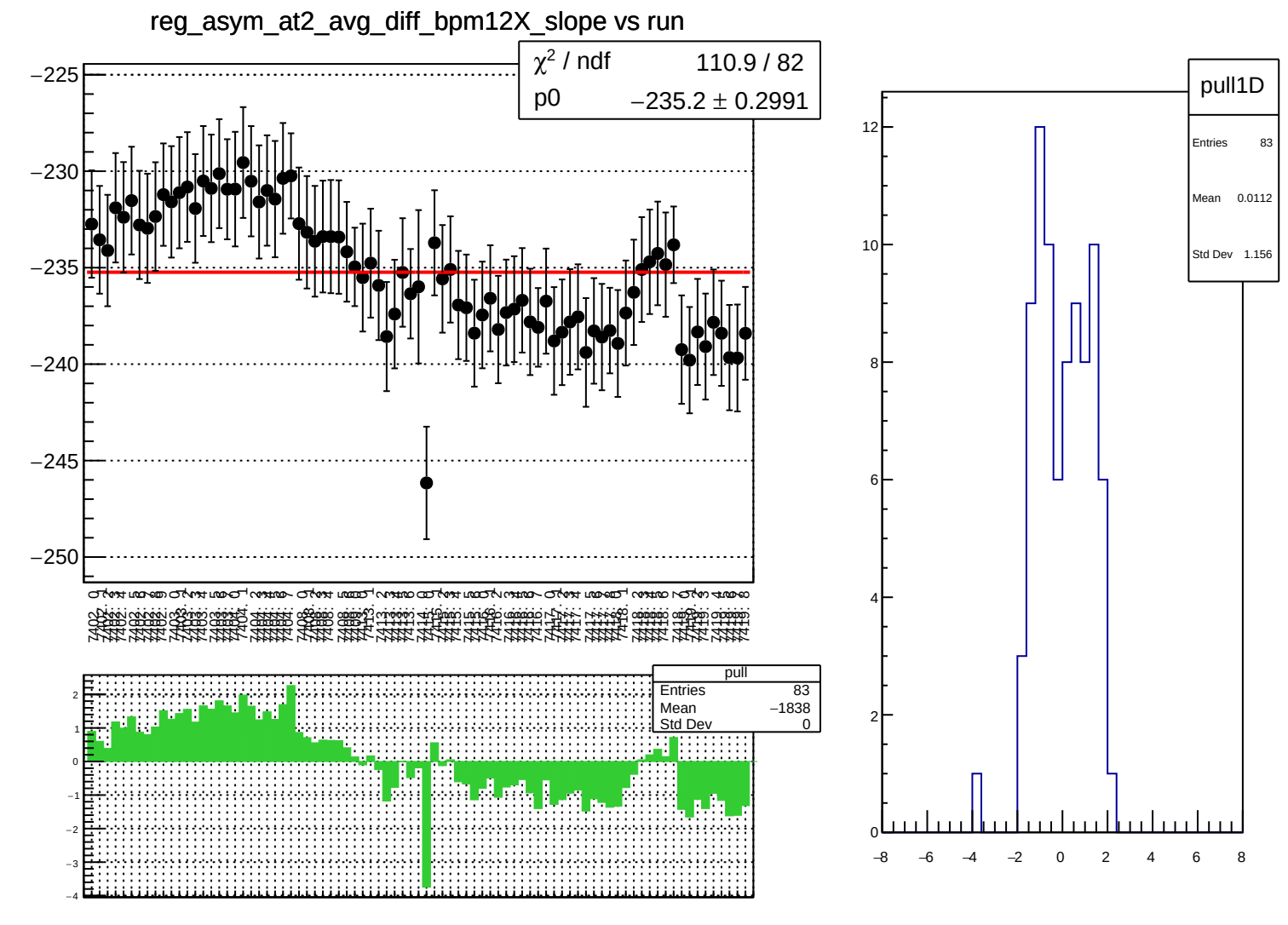

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.49 / 82
p0 −47.55 ± 6.494
pull
Entries 83
Mean 144.3
Std Dev 0

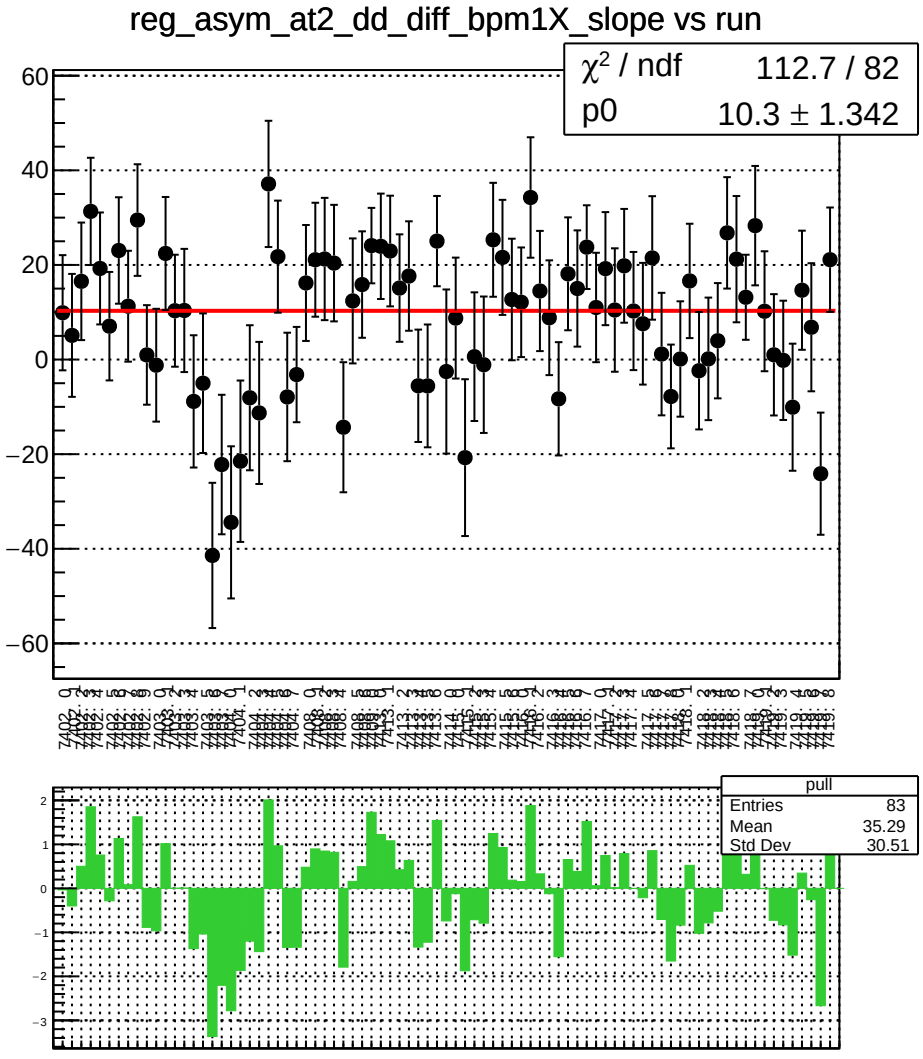

pull1D
Entries 83
Mean −0.01068
Std Dev 0.5541

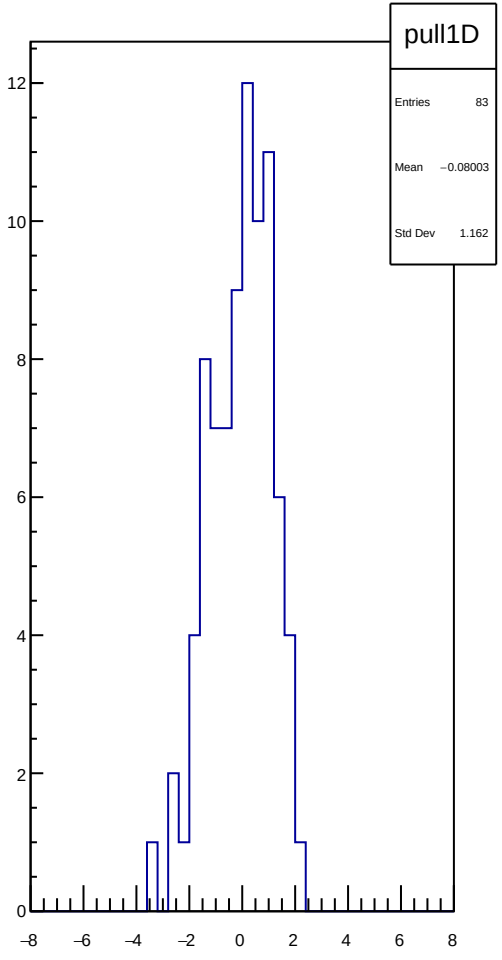

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.31 / 82
p0 318.1 ± 6.703
pull
Entries 83
Mean 7.015
Std Dev 0

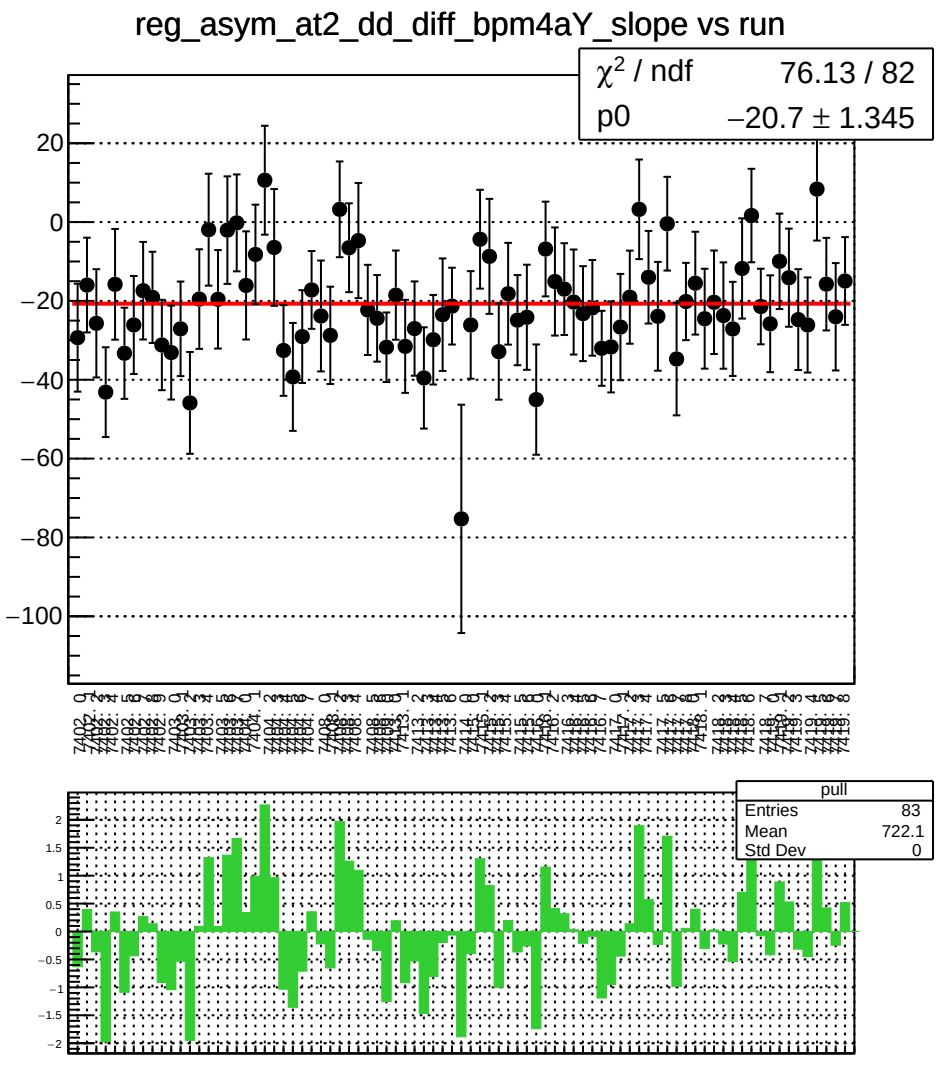

pull1D
Entries 83
Mean 0.09047
Std Dev 0.9093

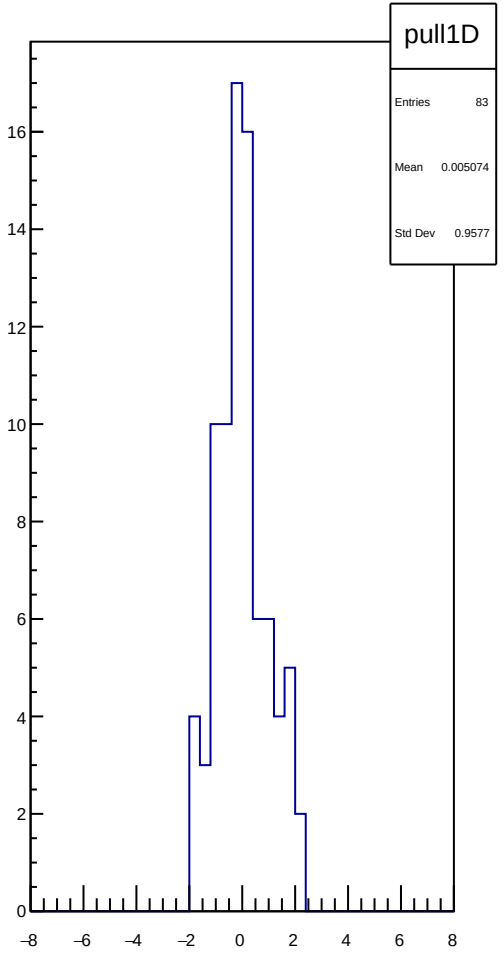

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.06 / 82
p0 161.6 ± 6.839
500
400
300
200
100
0
pull
Entries 83
Mean 651.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.002821
Std Dev 0.5495
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

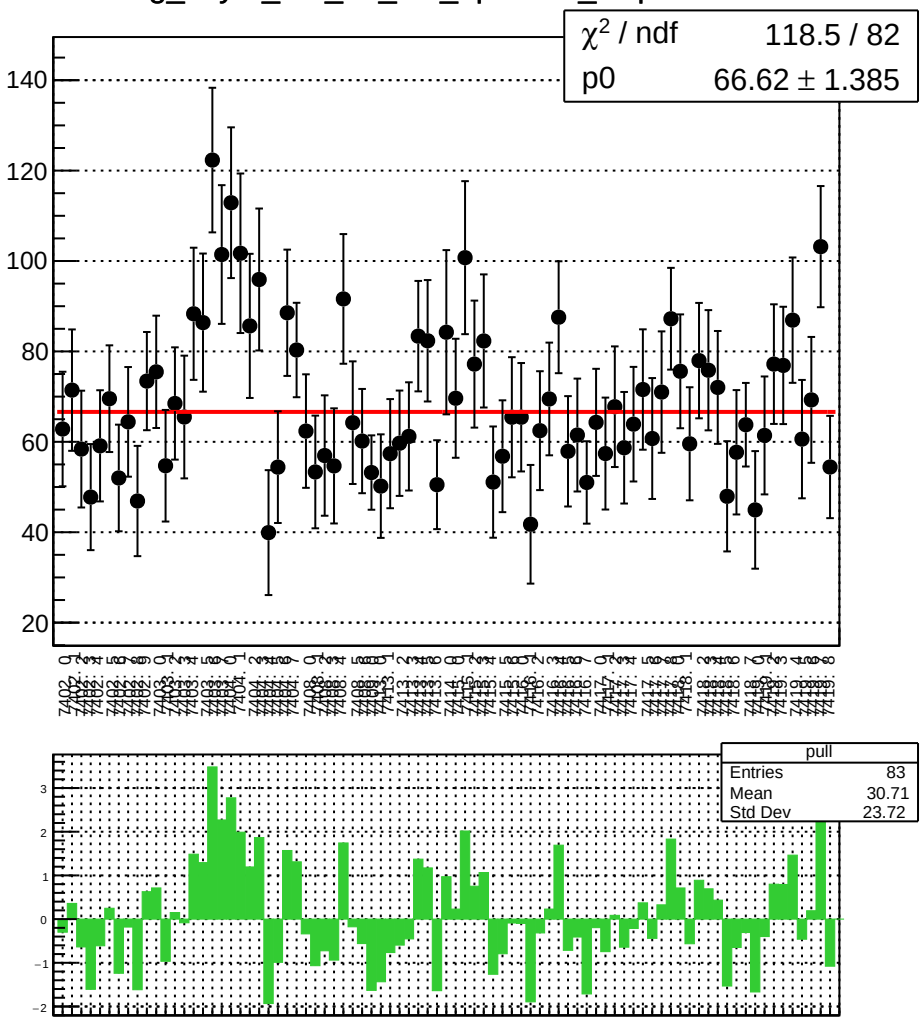

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 110.9 / 82
p0 −235.2 ± 0.2991
pull
Entries 83
Mean −1838
Std Dev 0
pull1D
Entries 83
Mean 0.0112
Std Dev 1.156

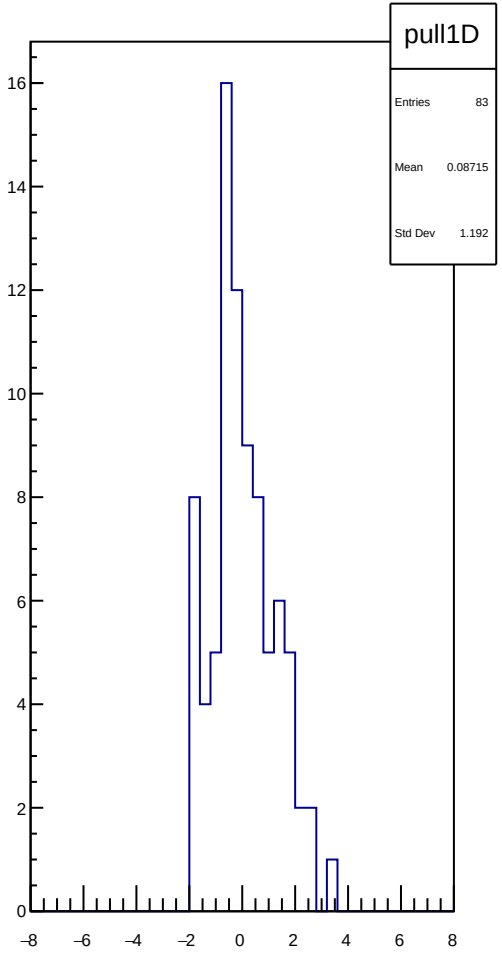

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 112.7 / 82
p0 10.3 ± 1.342
pull
Entries 83
Mean 35.29
Std Dev 30.51

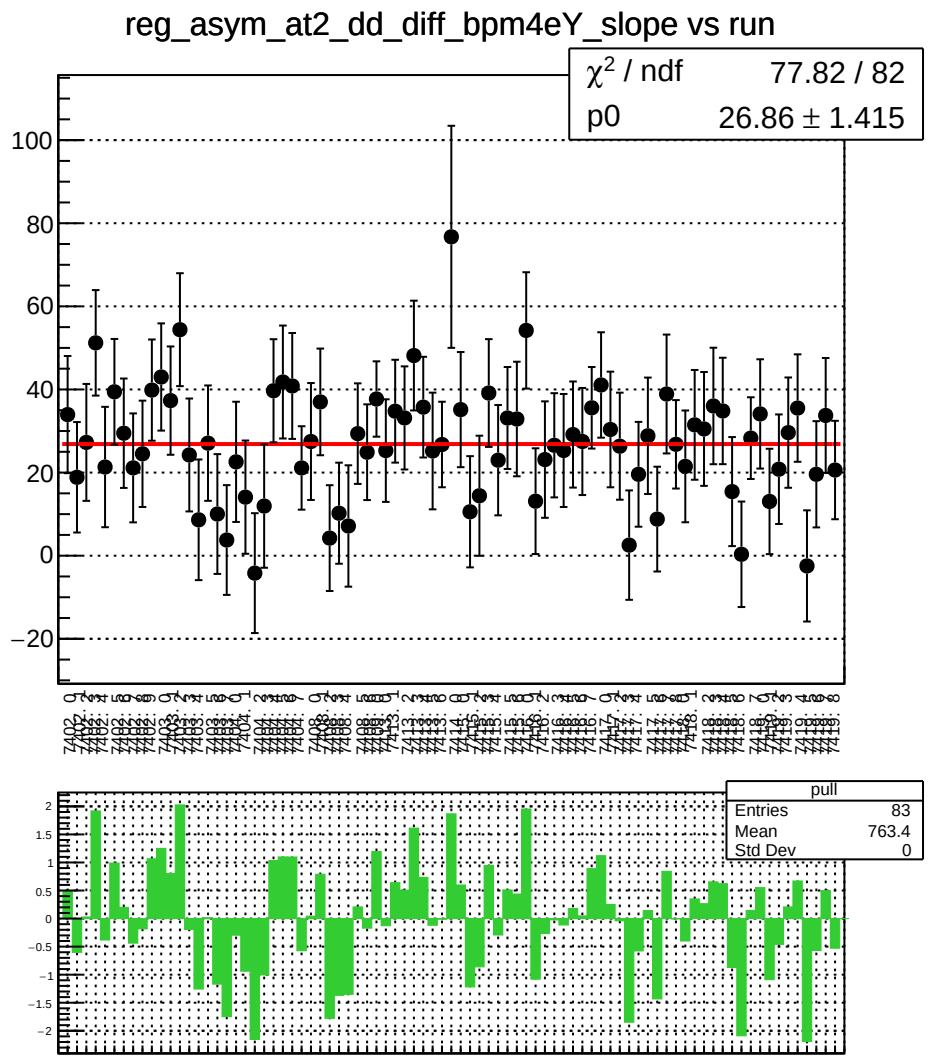

pull1D
Entries 83
Mean −0.08003
Std Dev 1.162

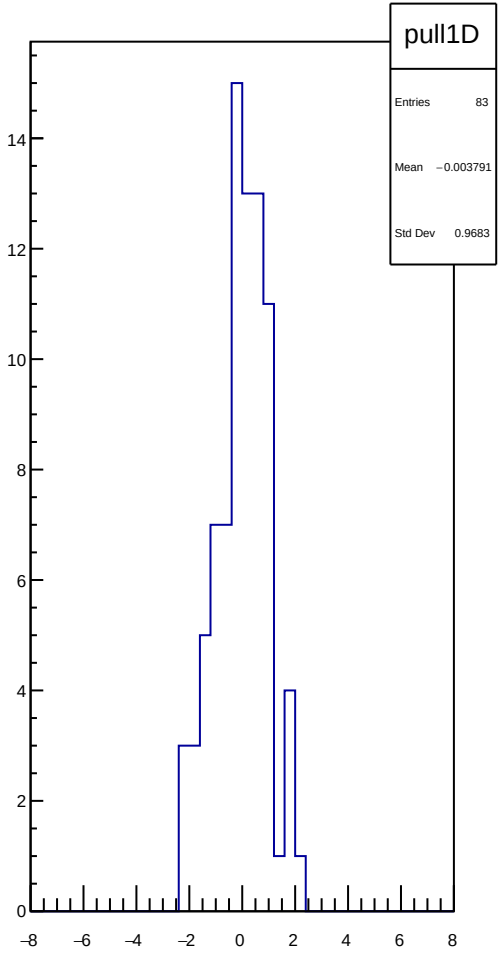

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.13 / 82
p0 −20.7 ± 1.345
pull
Entries 83
Mean 722.1
Std Dev 0

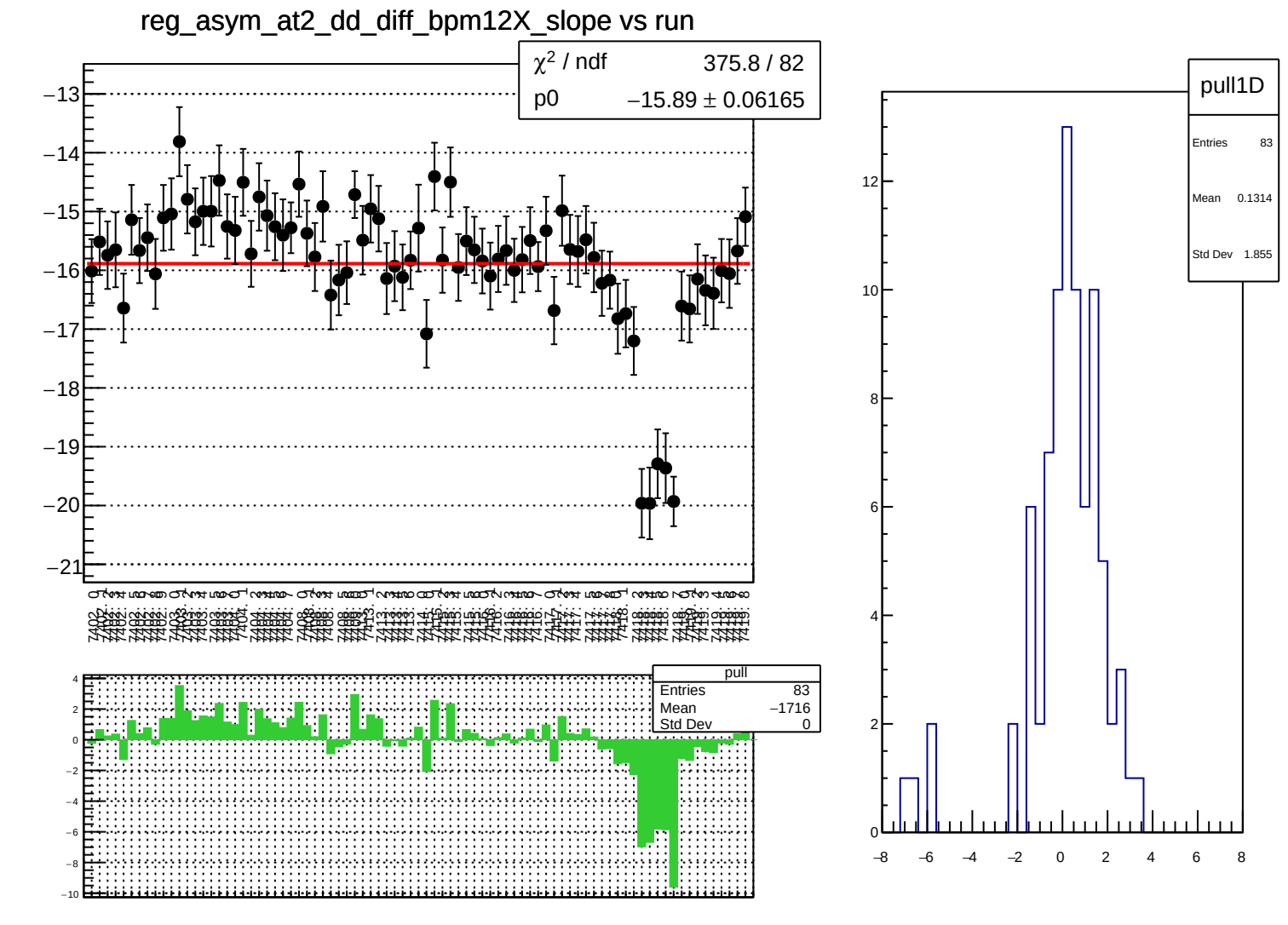

pull1D
Entries 83
Mean 0.005074
Std Dev 0.9577

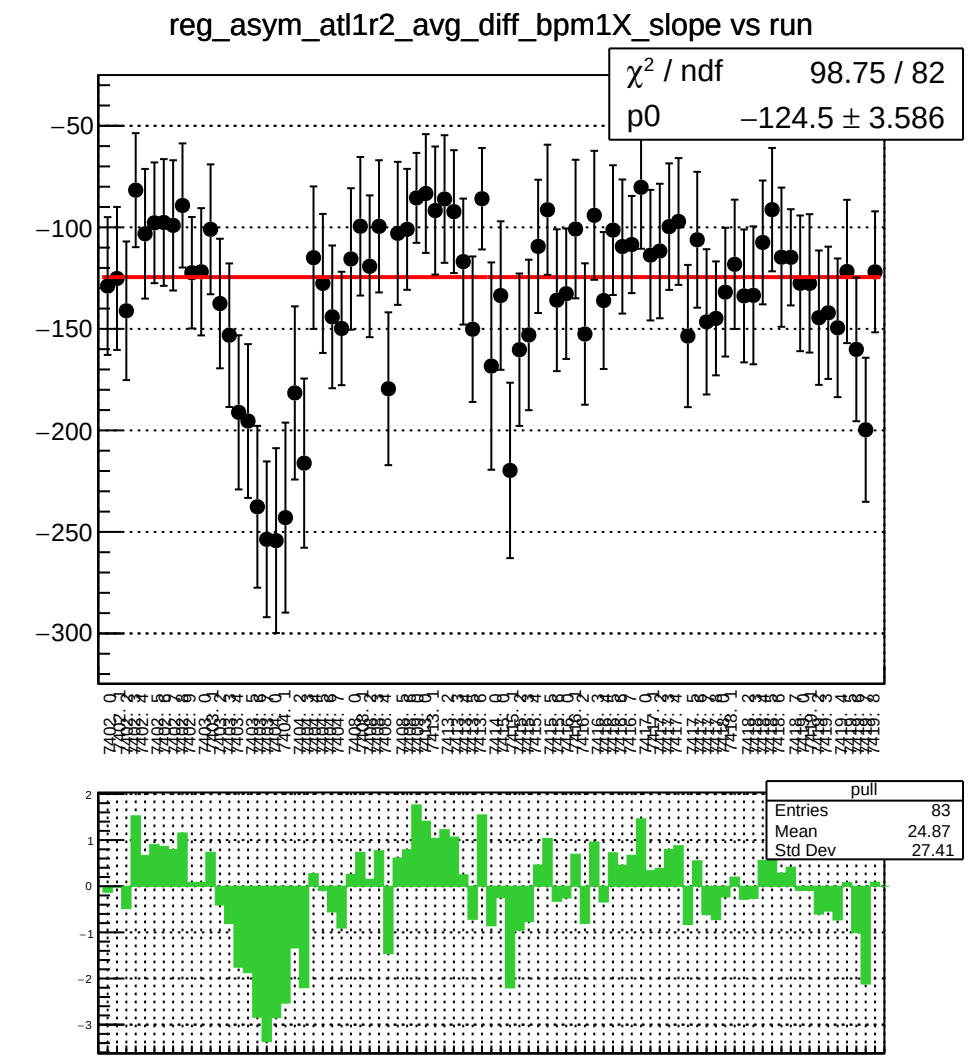

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 118.5 / 82
p0 66.62 ± 1.385
pull
Entries 83
Mean 30.71
Std Dev 23.72

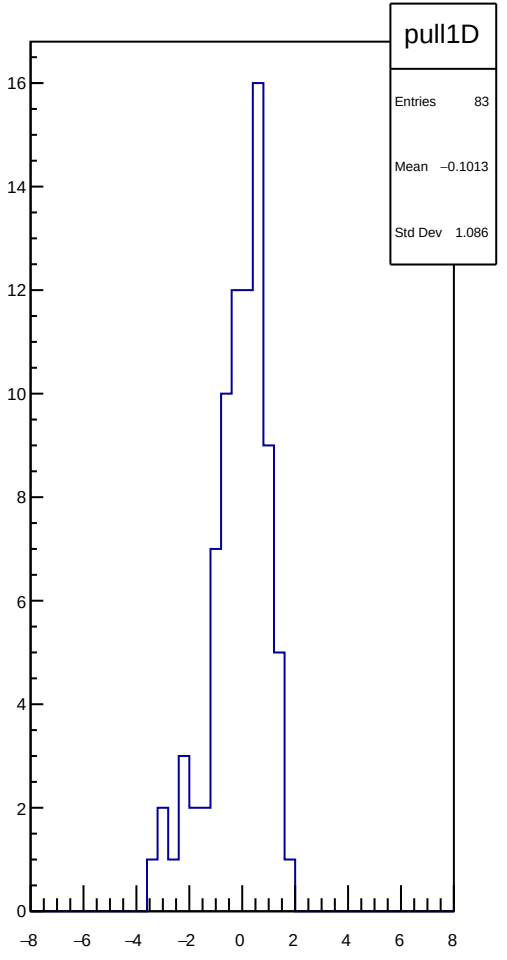

pull1D
Entries 83
Mean 0.08715
Std Dev 1.192

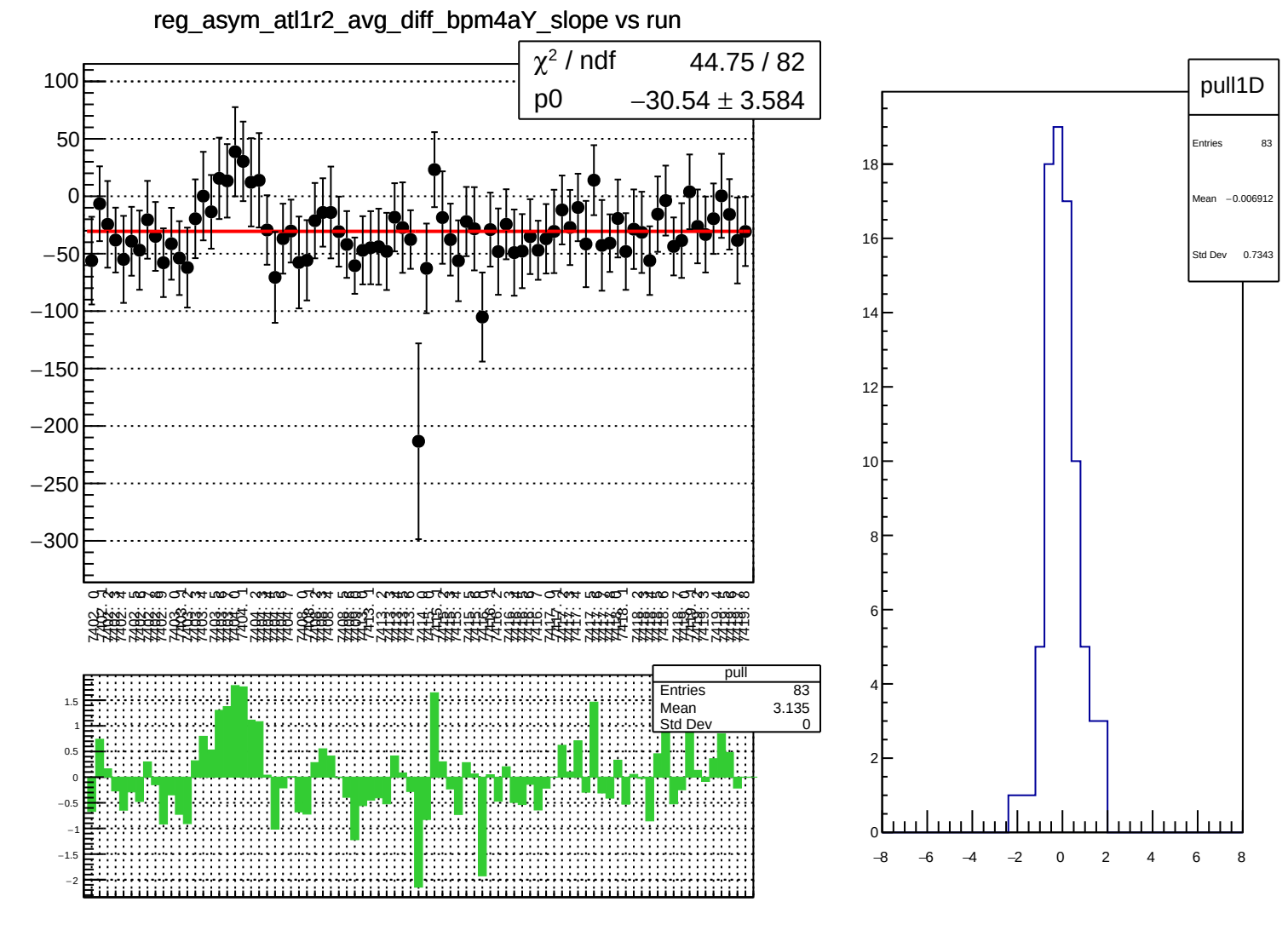

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.82 / 82
p0 26.86 ± 1.415
pull
Entries 83
Mean 763.4
Std Dev 0

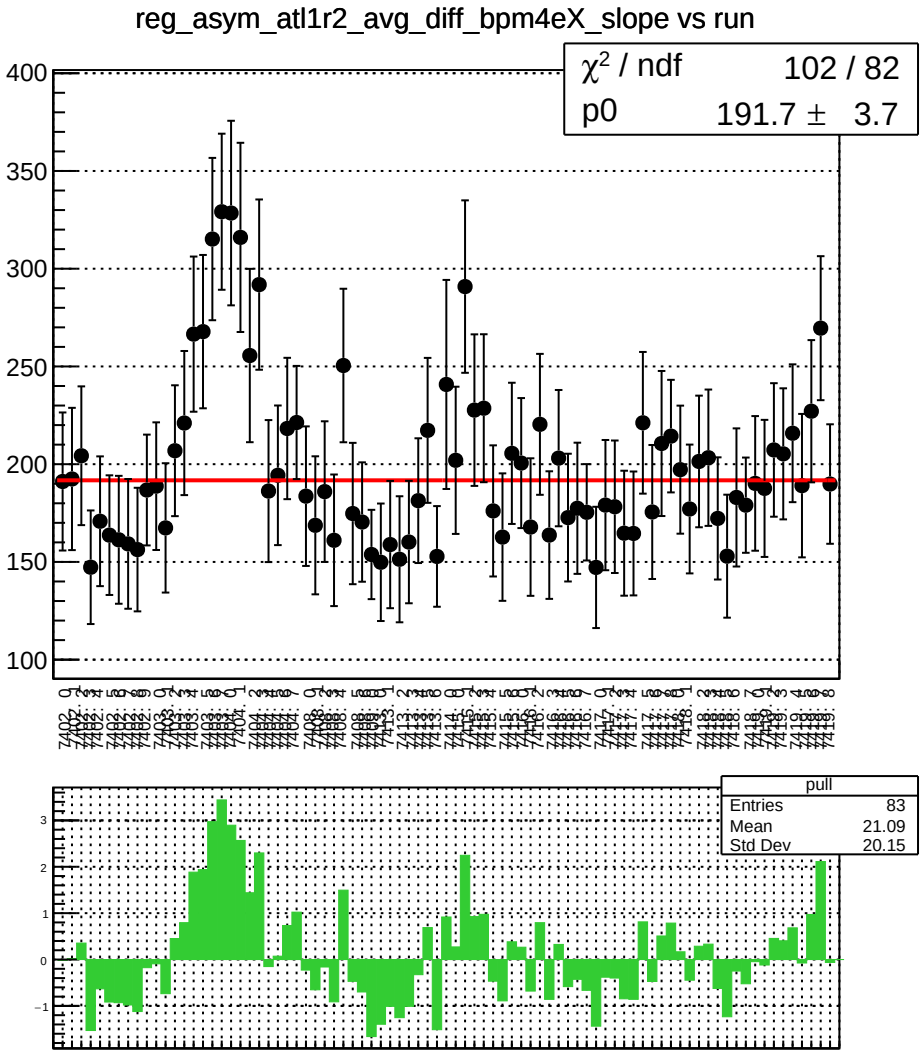

pull1D
Entries 83
Mean −0.003791
Std Dev 0.9683

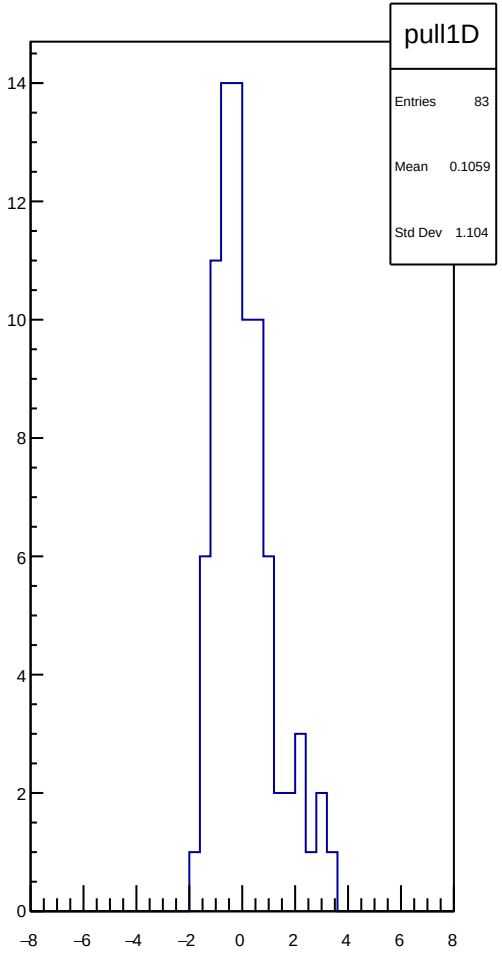

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 375.8 / 82
p0 −15.89 ± 0.06165
pull
Entries 83
Mean −1716
Std Dev 0
pull1D
Entries 83
Mean 0.1314
Std Dev 1.855

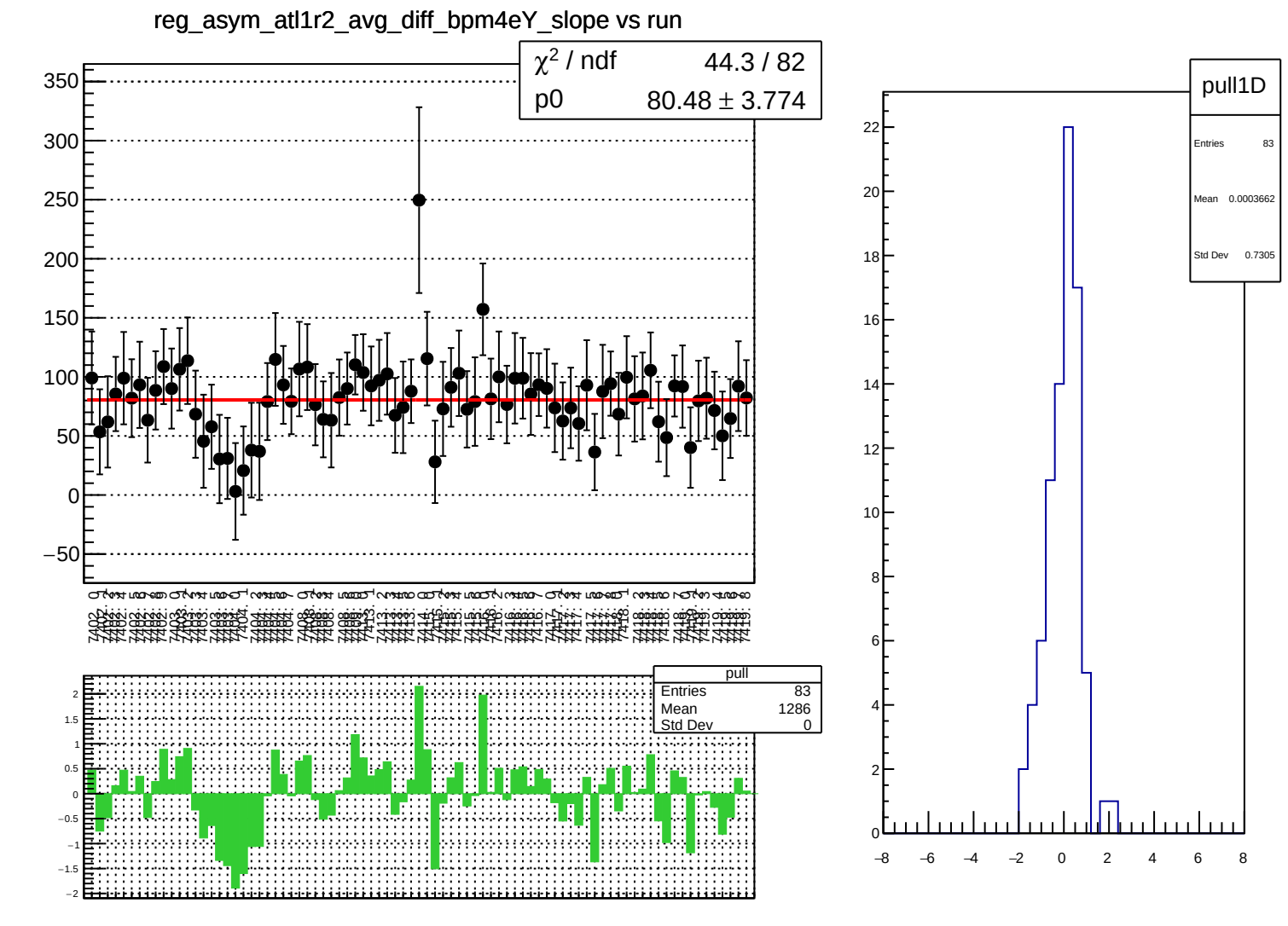

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 98.75 / 82
p0 −124.5 ± 3.586
−50
−100
−150
−200
−250
−300
pull
Entries 83
Mean 24.87
Std Dev 27.41
2
1
0
−1
−2
−3

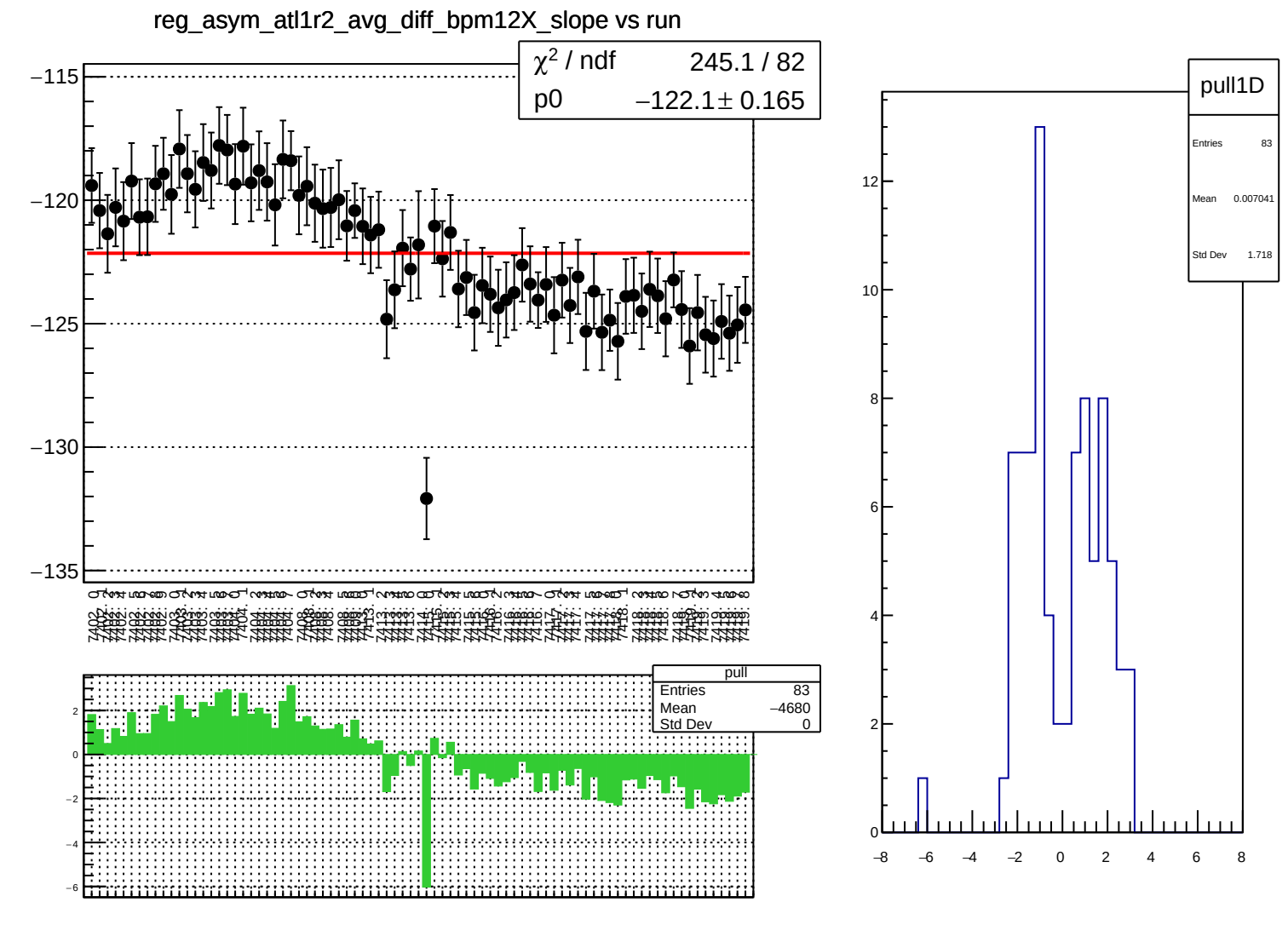

pull1D
Entries 83
Mean −0.1013
Std Dev 1.086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

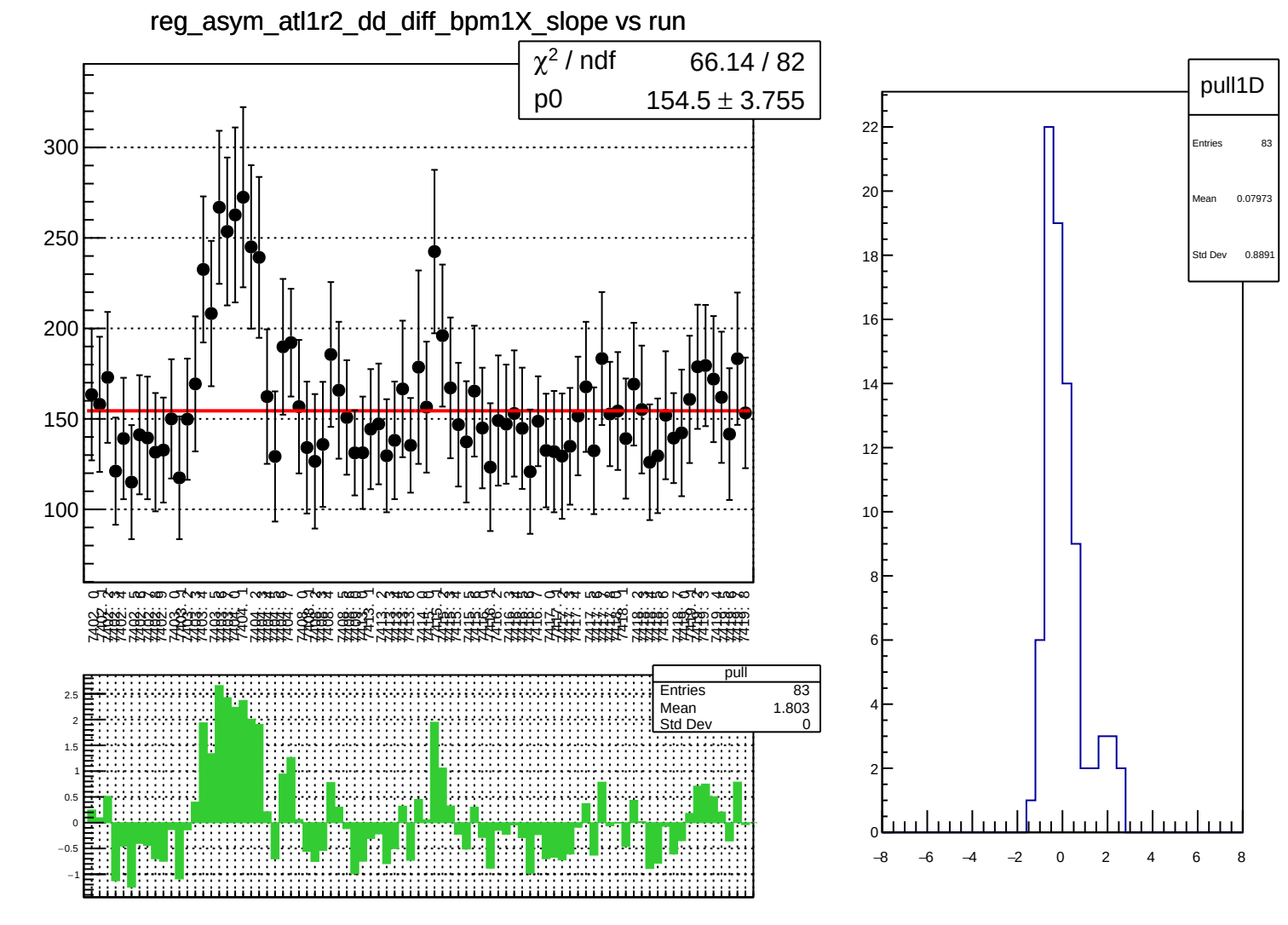

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.75 / 82
p0 −30.54 ± 3.584
pull
Entries 83
Mean 3.135
Std Dev 0
pull1D
Entries 83
Mean −0.006912
Std Dev 0.7343

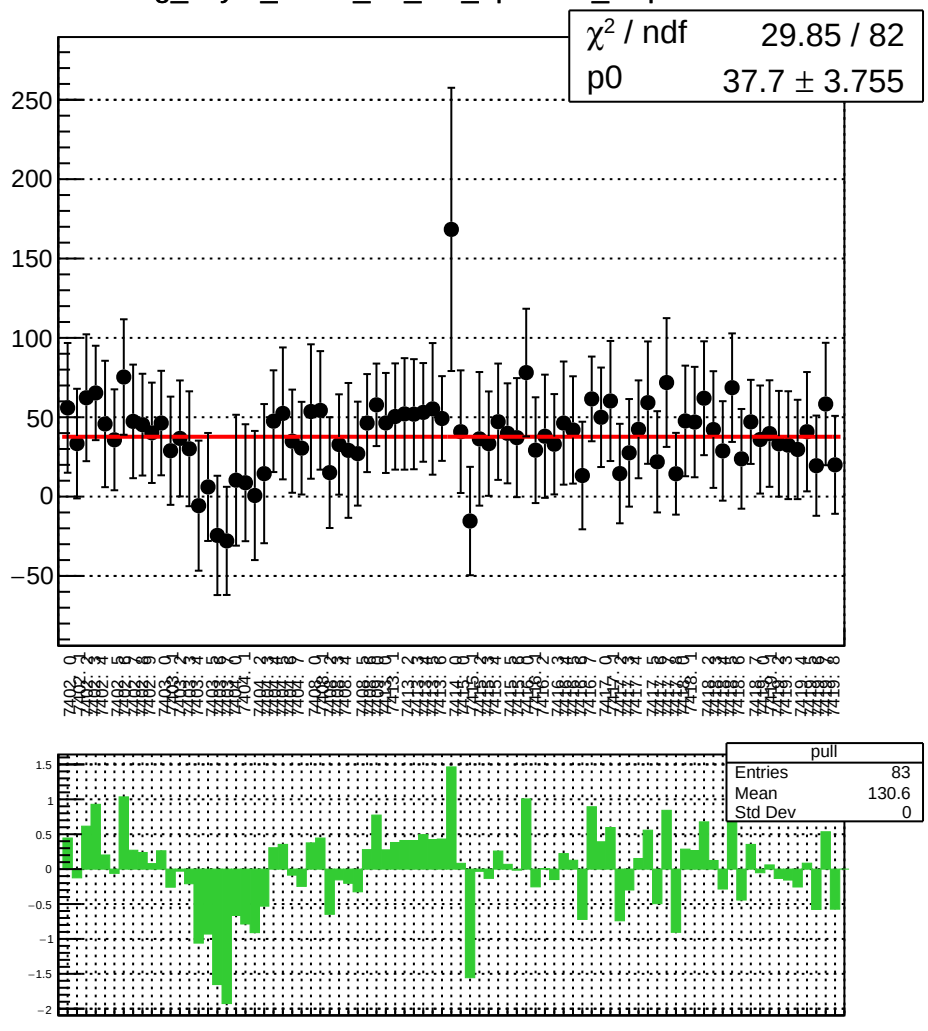

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 102 / 82
p0 191.7 ± 3.7
pull
Entries 83
Mean 21.09
Std Dev 20.15

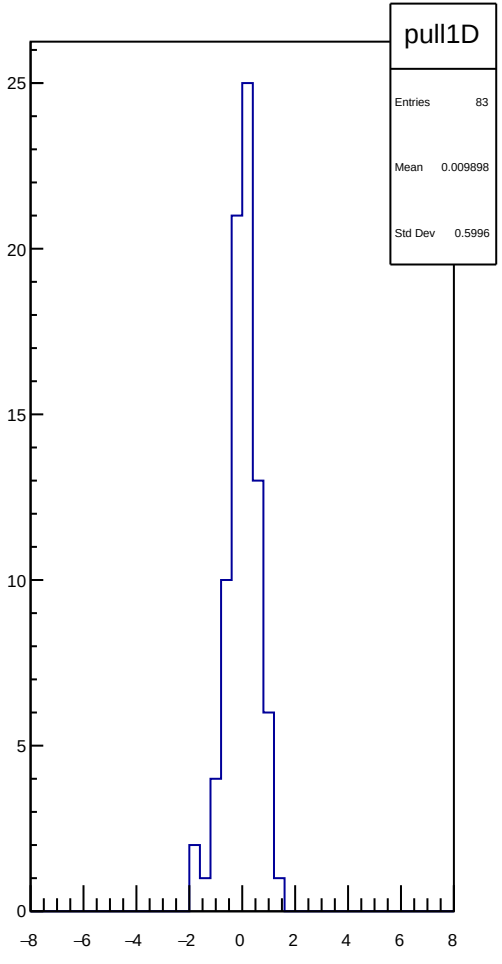

pull1D
Entries 83
Mean 0.1059
Std Dev 1.104

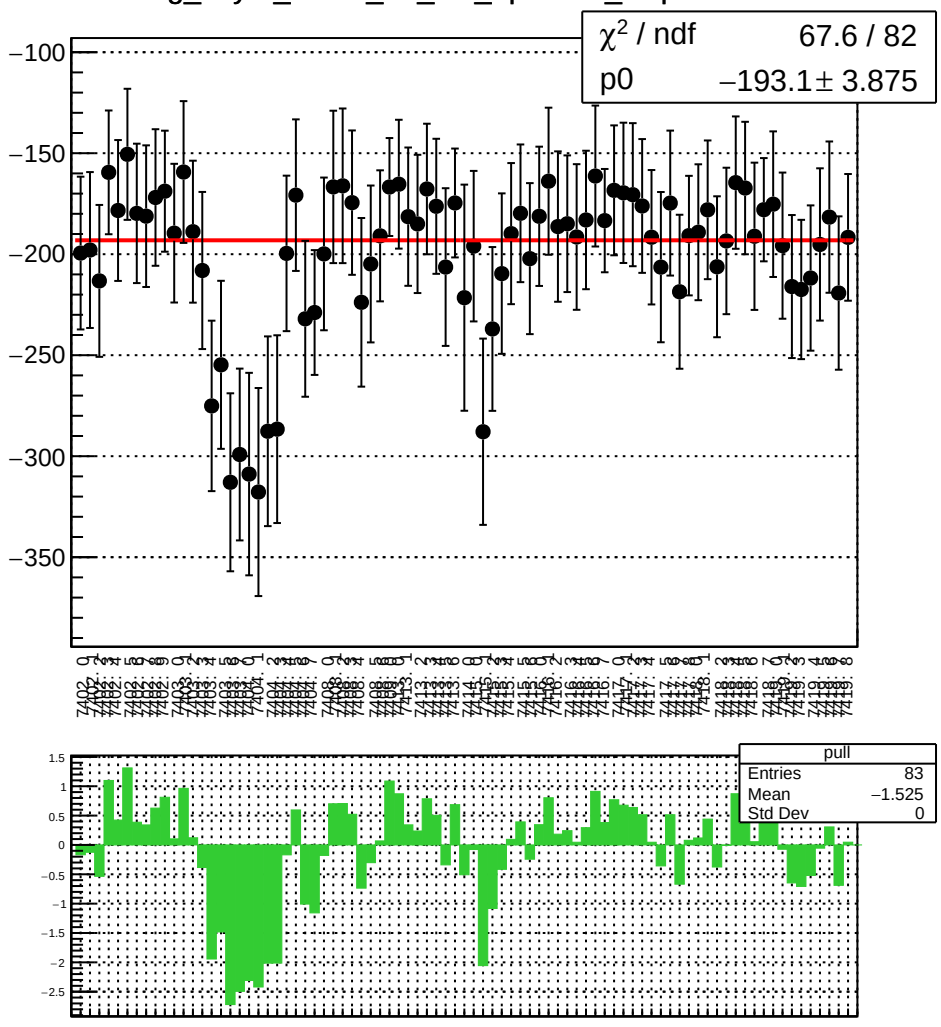

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.3 / 82
p0 80.48 ± 3.774
pull
Entries 83
Mean 1286
Std Dev 0
pull1D
Entries 83
Mean 0.0003662
Std Dev 0.7305

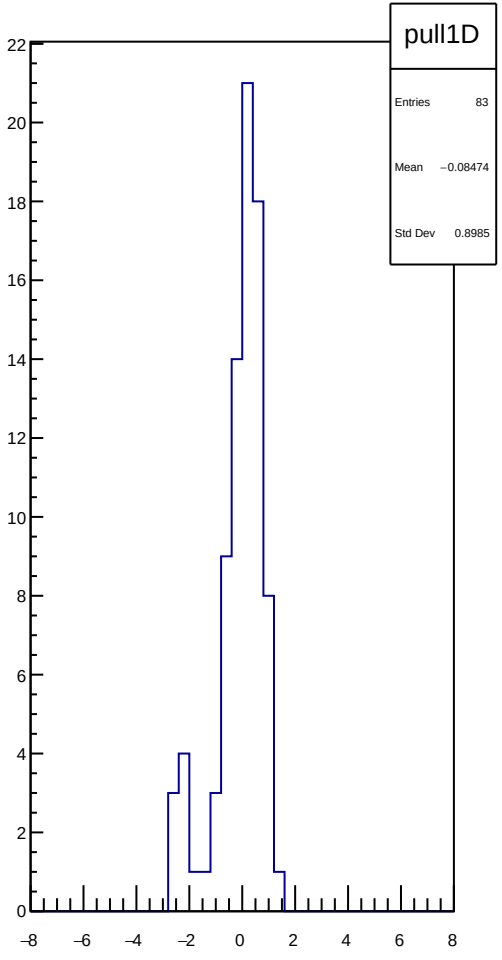

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 245.1 / 82
p0 −122.1 ± 0.165
−115
−120
−125
−130
−135
pull
Entries 83
Mean −4680
Std Dev 0
2
0
−2
−4
−6
pull1D
Entries 83
Mean 0.007041
Std Dev 1.718
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

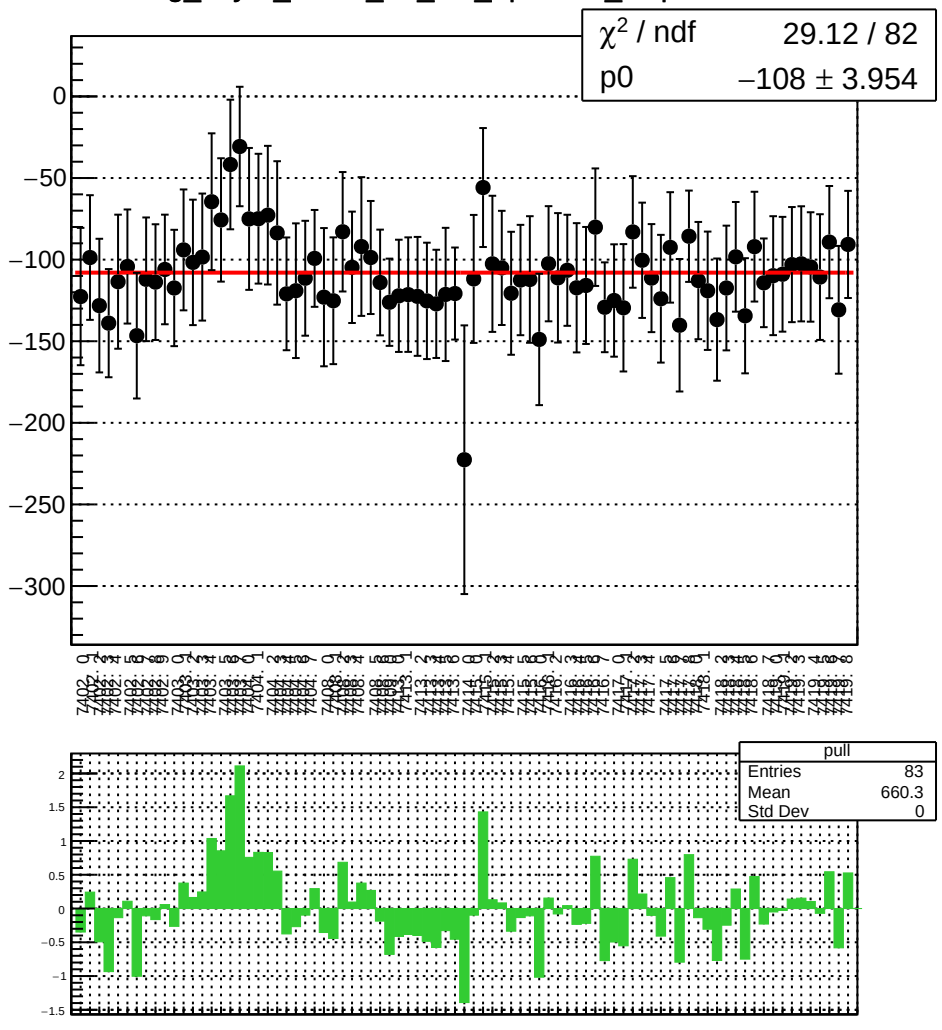

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 66.14 / 82
p0 154.5 ± 3.755
pull
Entries 83
Mean 1.803
Std Dev 0
pull1D
Entries 83
Mean 0.07973
Std Dev 0.8891

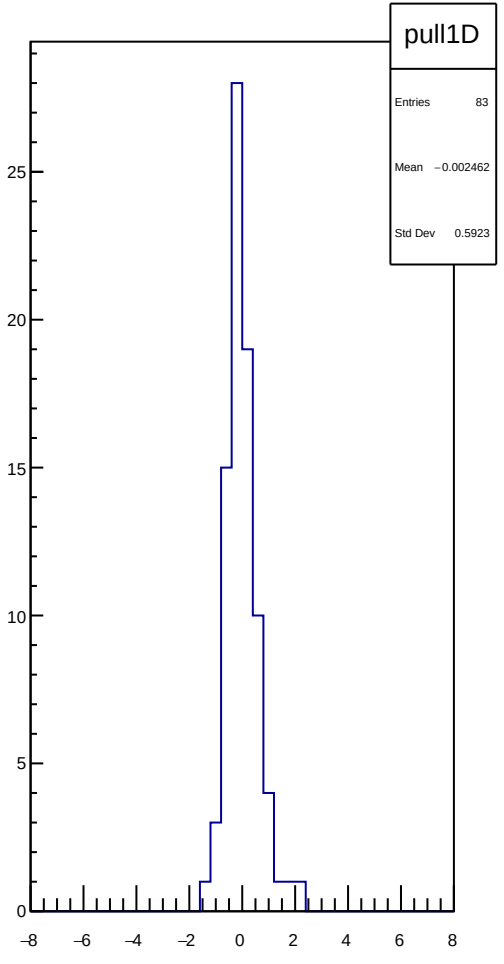

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.85 / 82
p0 37.7 ± 3.755
pull
Entries 83
Mean 130.6
Std Dev 0

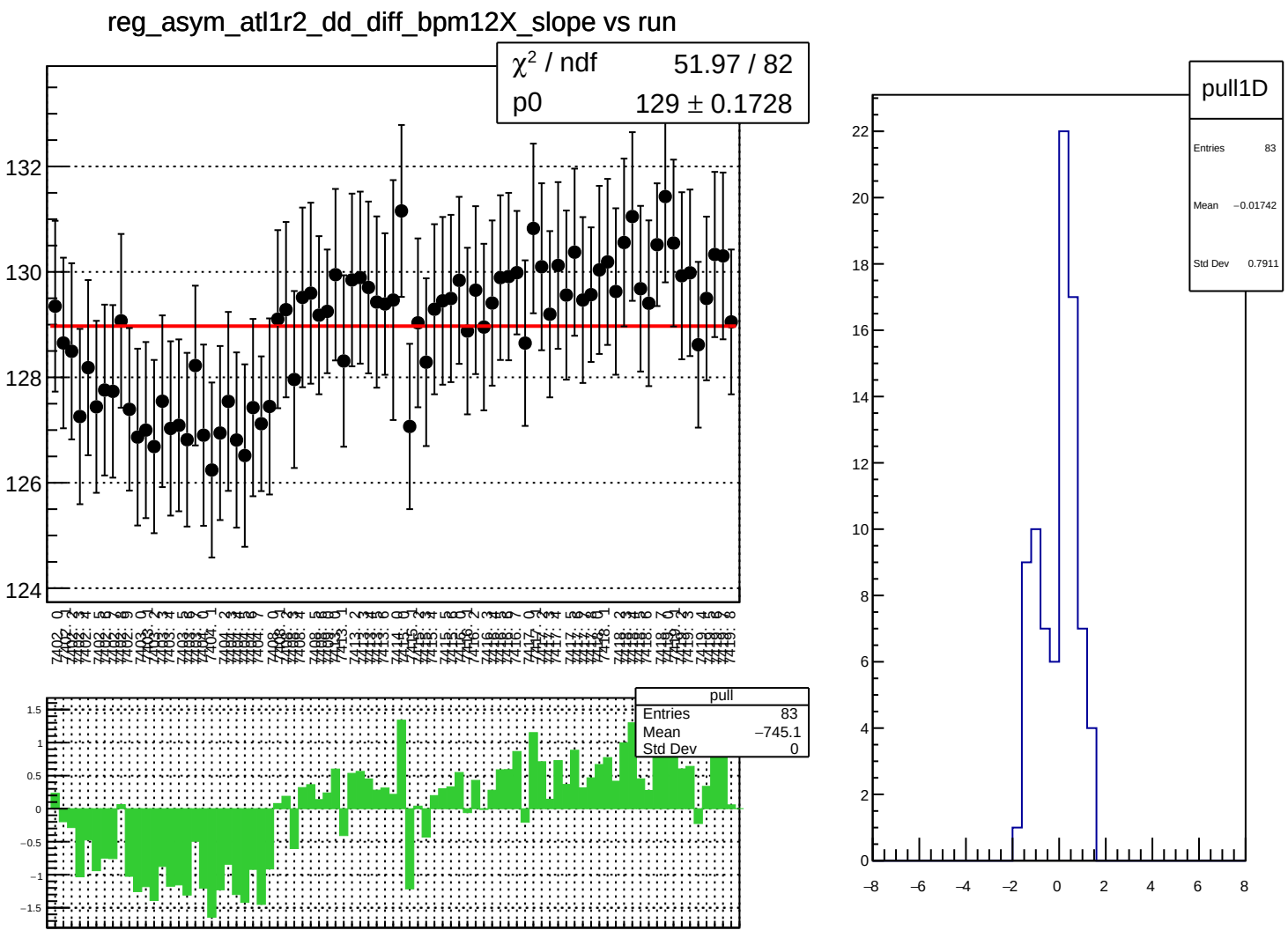

pull1D
Entries 83
Mean 0.009898
Std Dev 0.5996

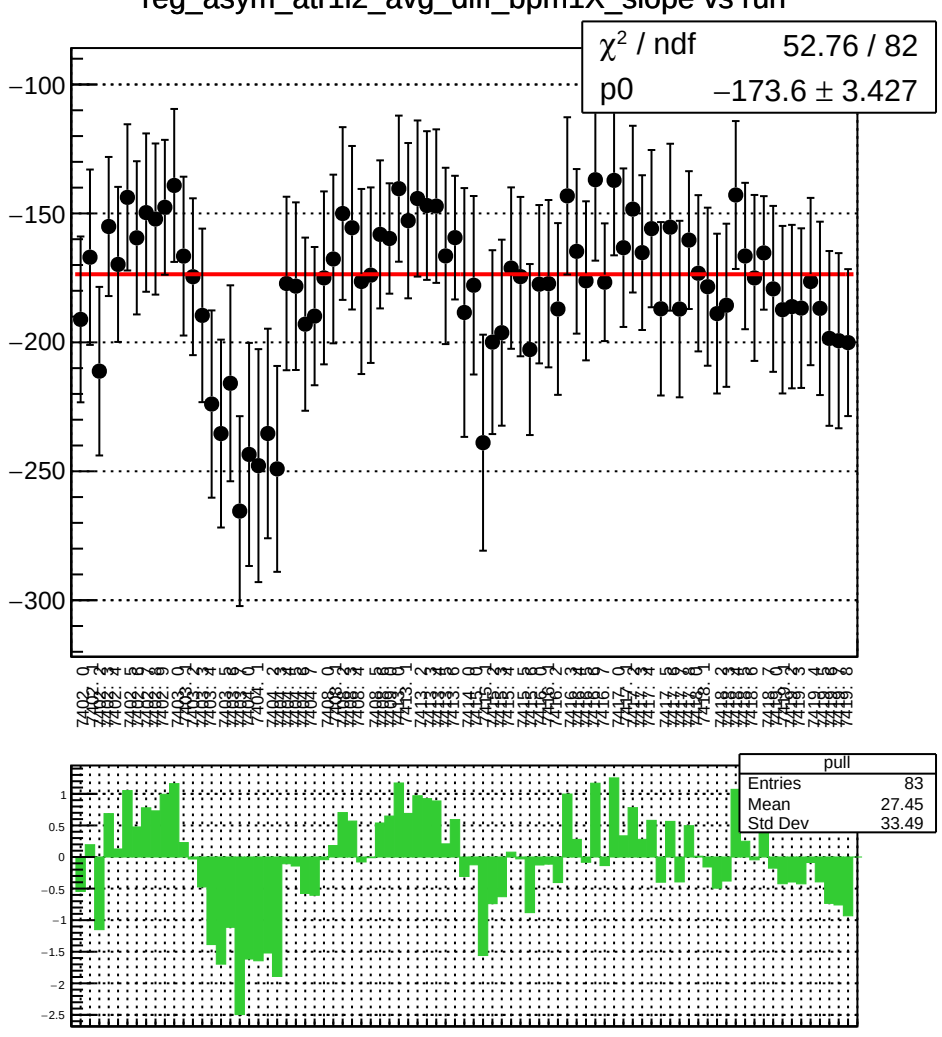

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.6 / 82
p0 −193.1± 3.875
pull
Entries 83
Mean −1.525
Std Dev 0

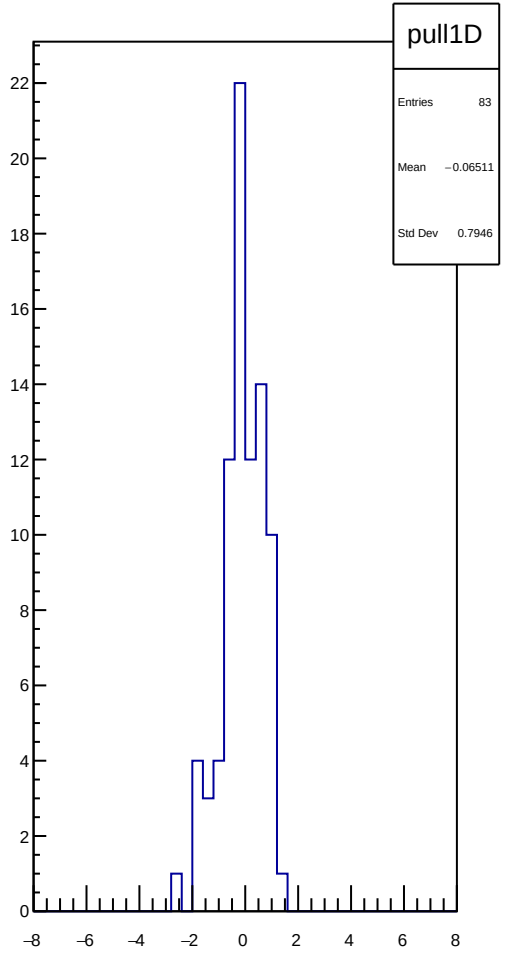

pull1D
Entries 83
Mean −0.08474
Std Dev 0.8985

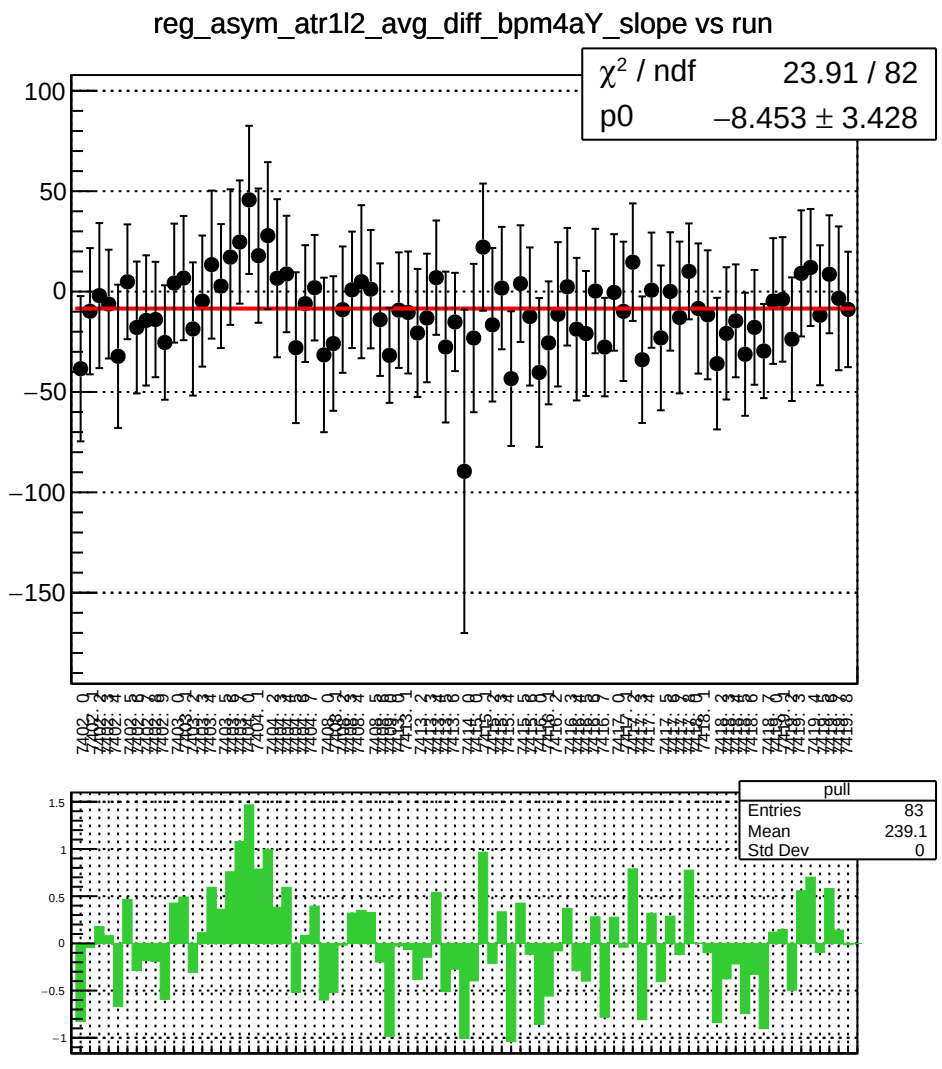

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.12 / 82
p0 −108 ± 3.954
pull
Entries 83
Mean 660.3
Std Dev 0

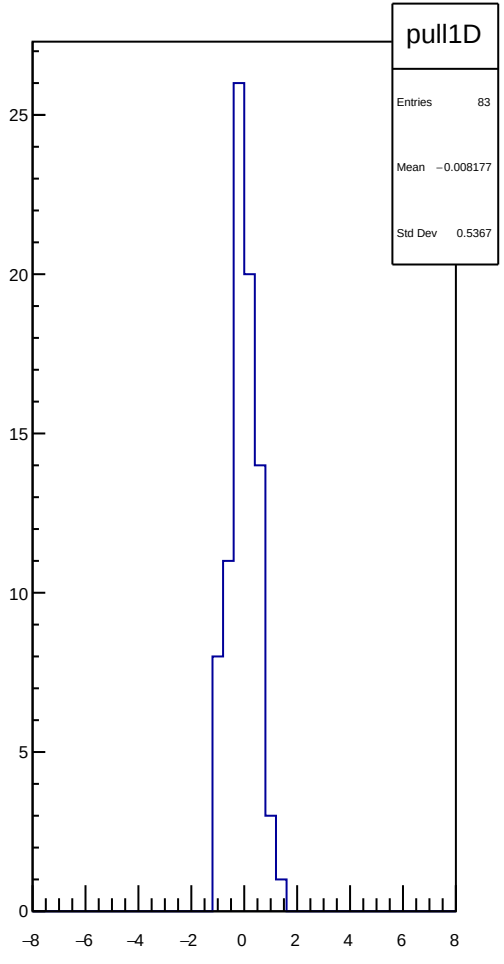

pull1D
Entries 83
Mean −0.002462
Std Dev 0.5923

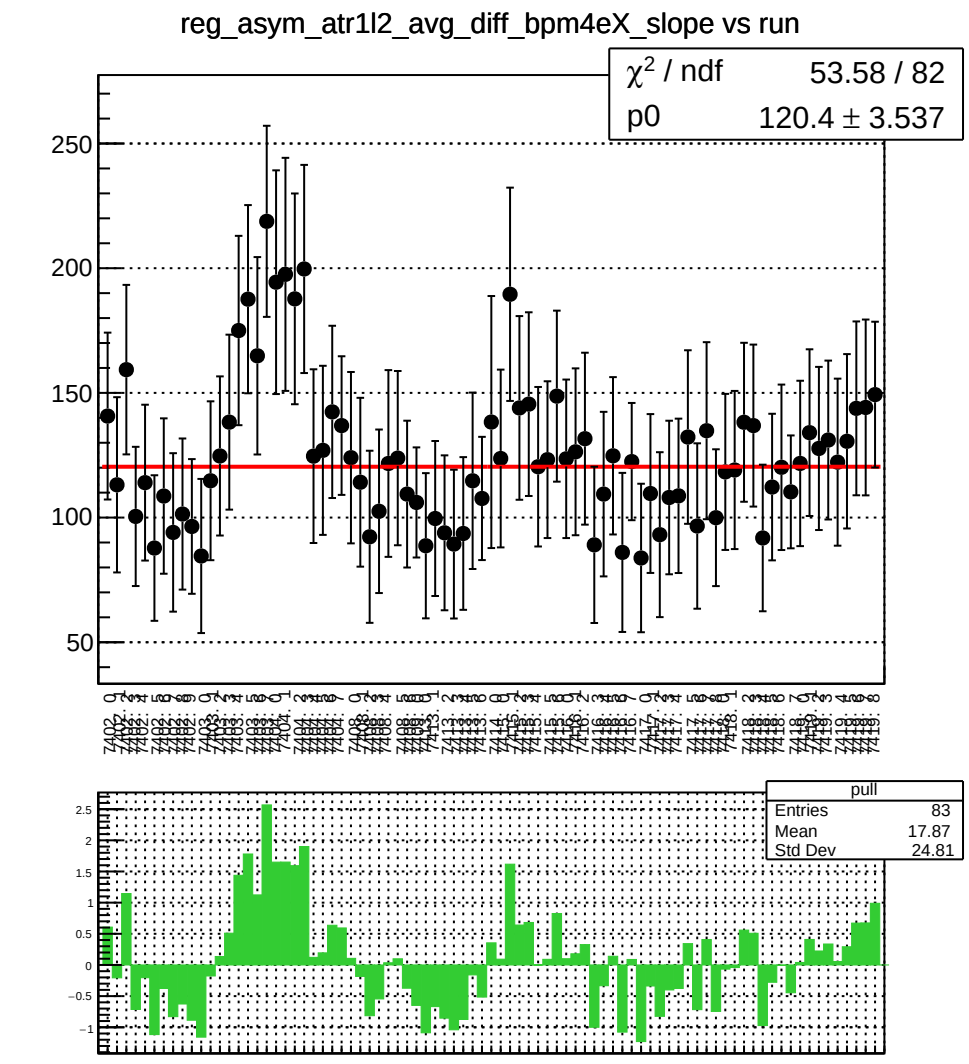

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 51.97 / 82
p0 129 ± 0.1728
132
130
128
126
124
pull
Entries 83
Mean −745.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.01742
Std Dev 0.7911
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

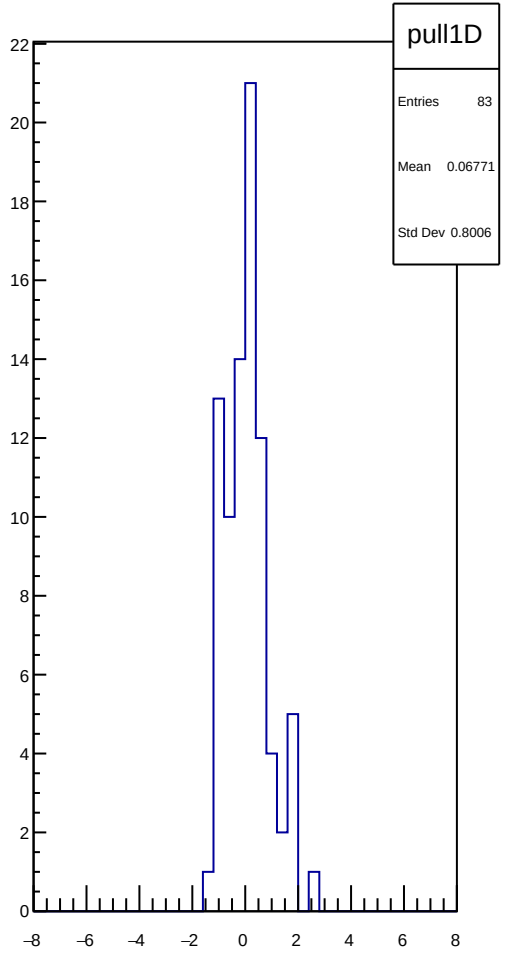

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 52.76 / 82
p0 −173.6 ± 3.427
−100
−150
−200
−250
−300
pull
Entries 83
Mean 27.45
Std Dev 33.49
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

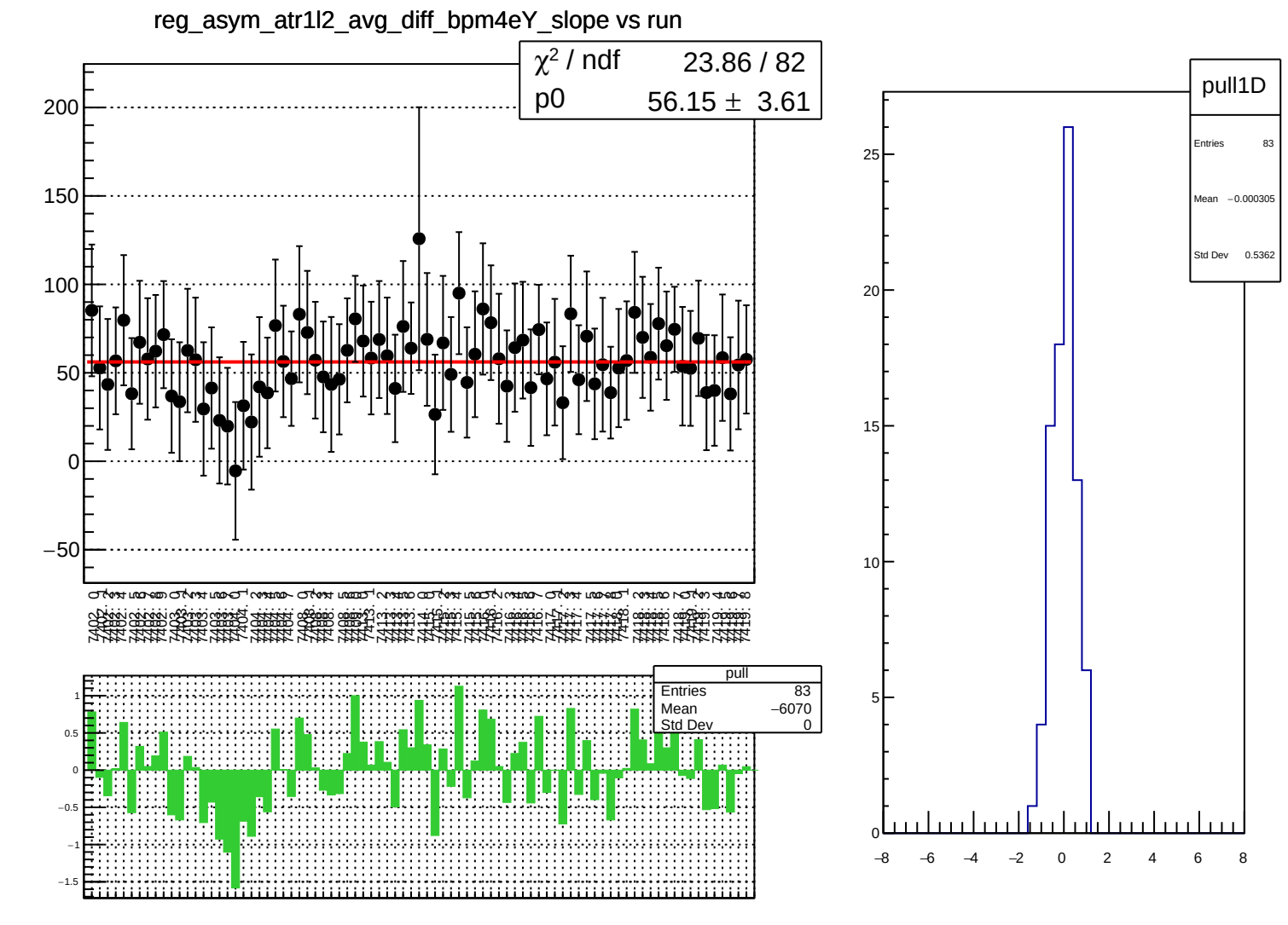

pull1D
Entries 83
Mean −0.06511
Std Dev 0.7946
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

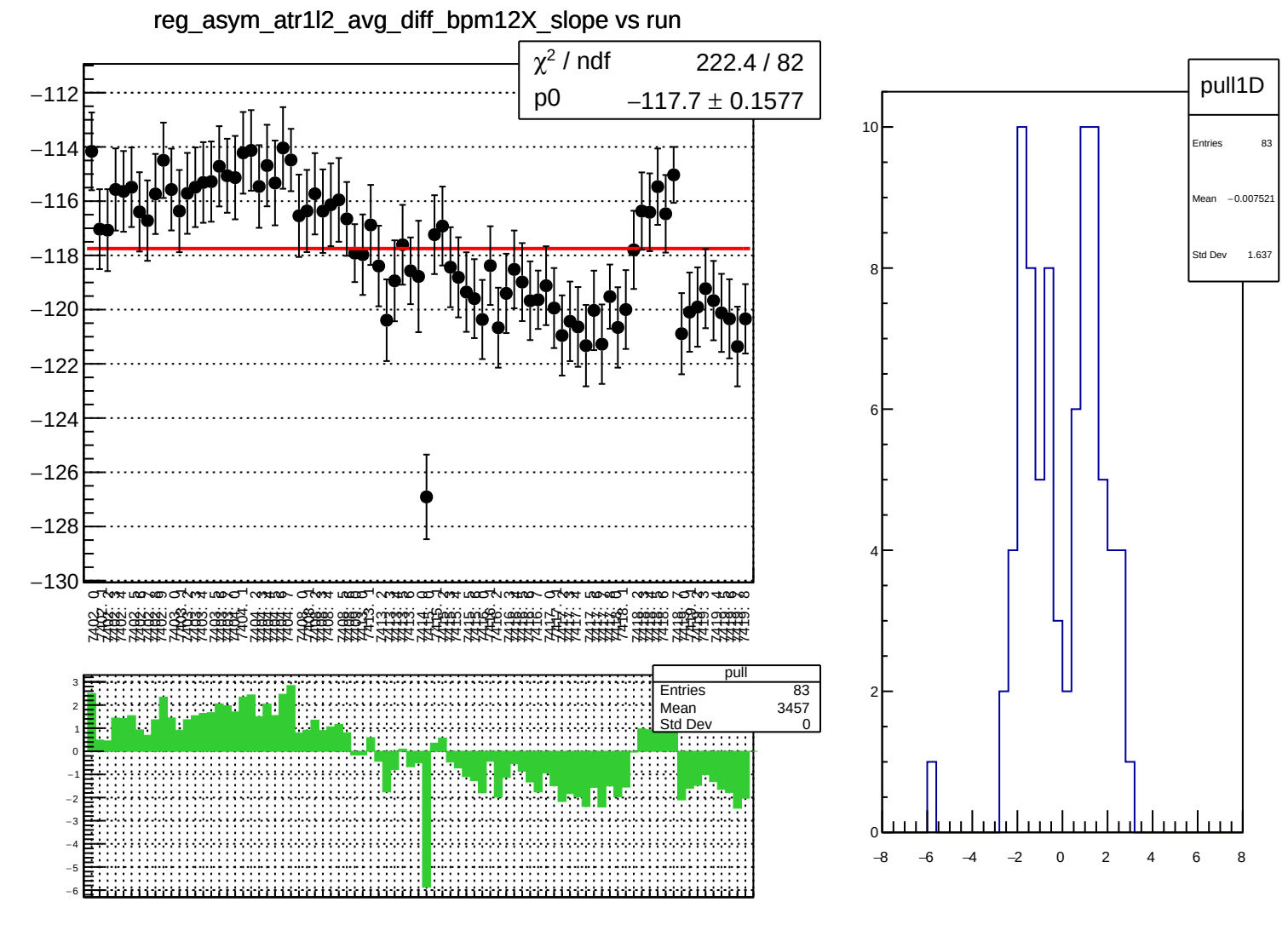

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.91 / 82
p0 −8.453 ± 3.428
100
50
0
−50
−100
−150
pull
Entries 83
Mean 239.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

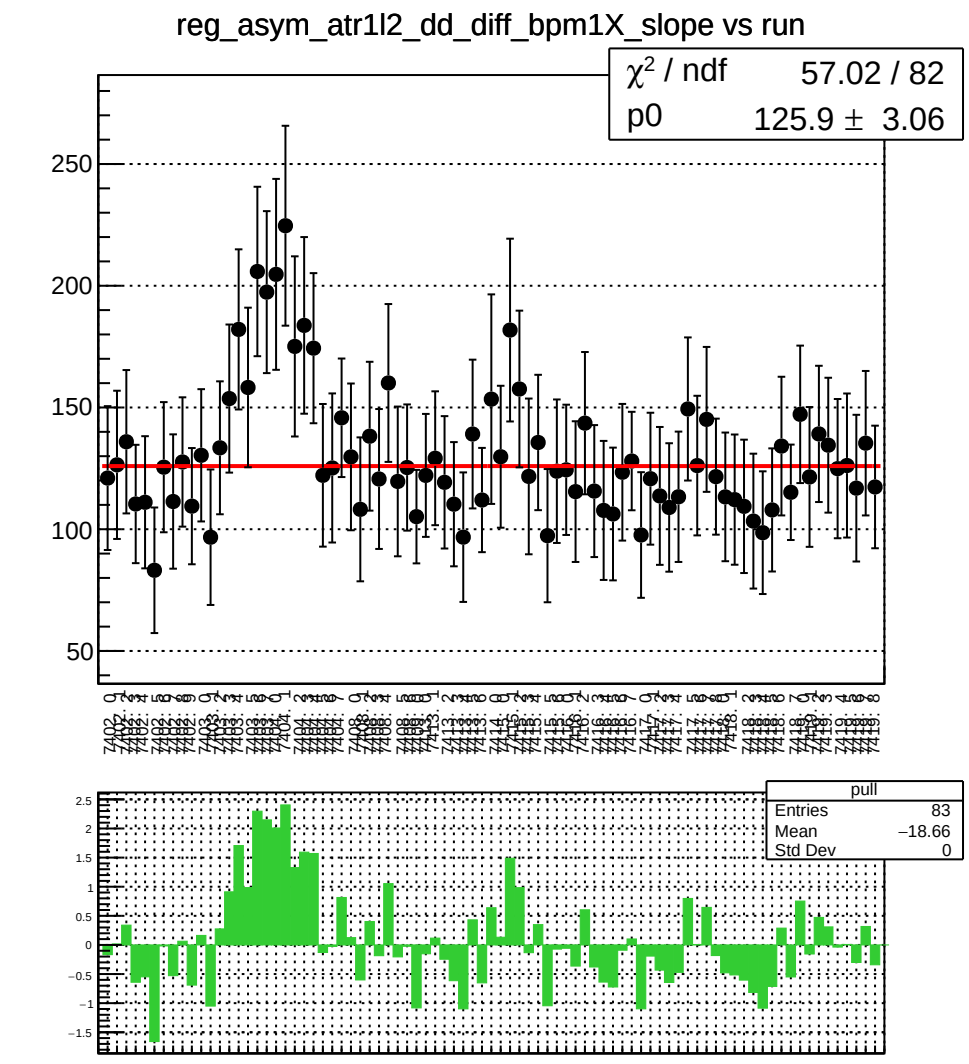

pull1D
Entries 83
Mean −0.008177
Std Dev 0.5367
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

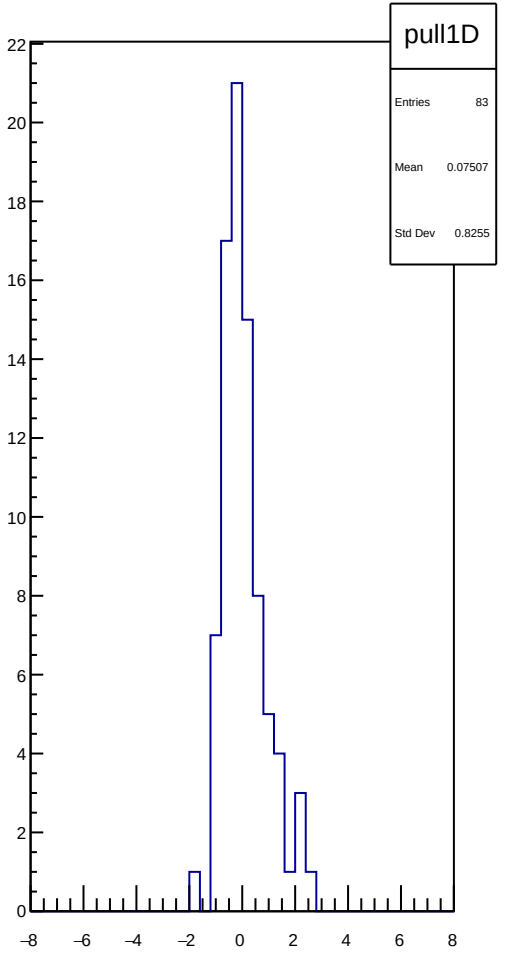

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.58 / 82
p0 120.4 ± 3.537
250
200
150
100
50
pull
Entries 83
Mean 17.87
Std Dev 24.81
2.5
2
1.5
1
0.5
0
−0.5
−1

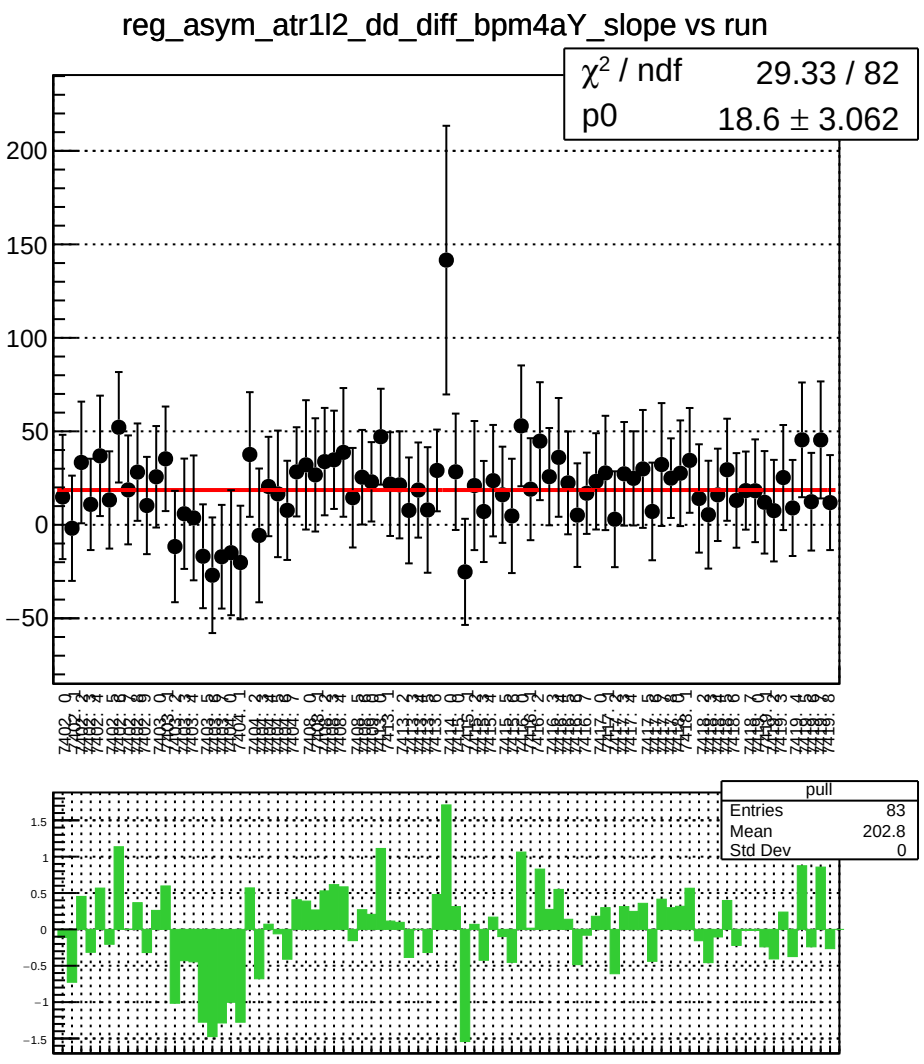

pull1D
Entries 83
Mean 0.06771
Std Dev 0.8006
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

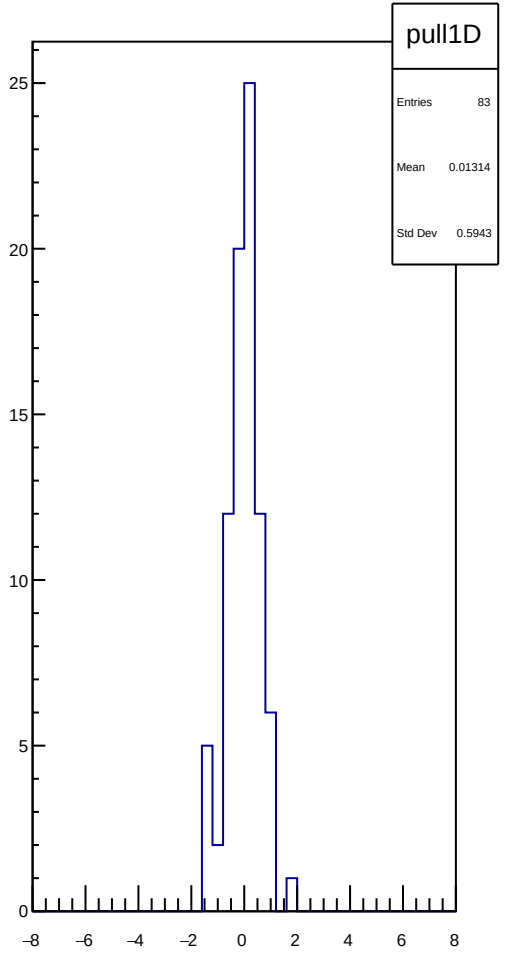

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.86 / 82
p0 56.15 ± 3.61
200
150
100
50
0
−50
pull
Entries 83
Mean −6070
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.000305
Std Dev 0.5362
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

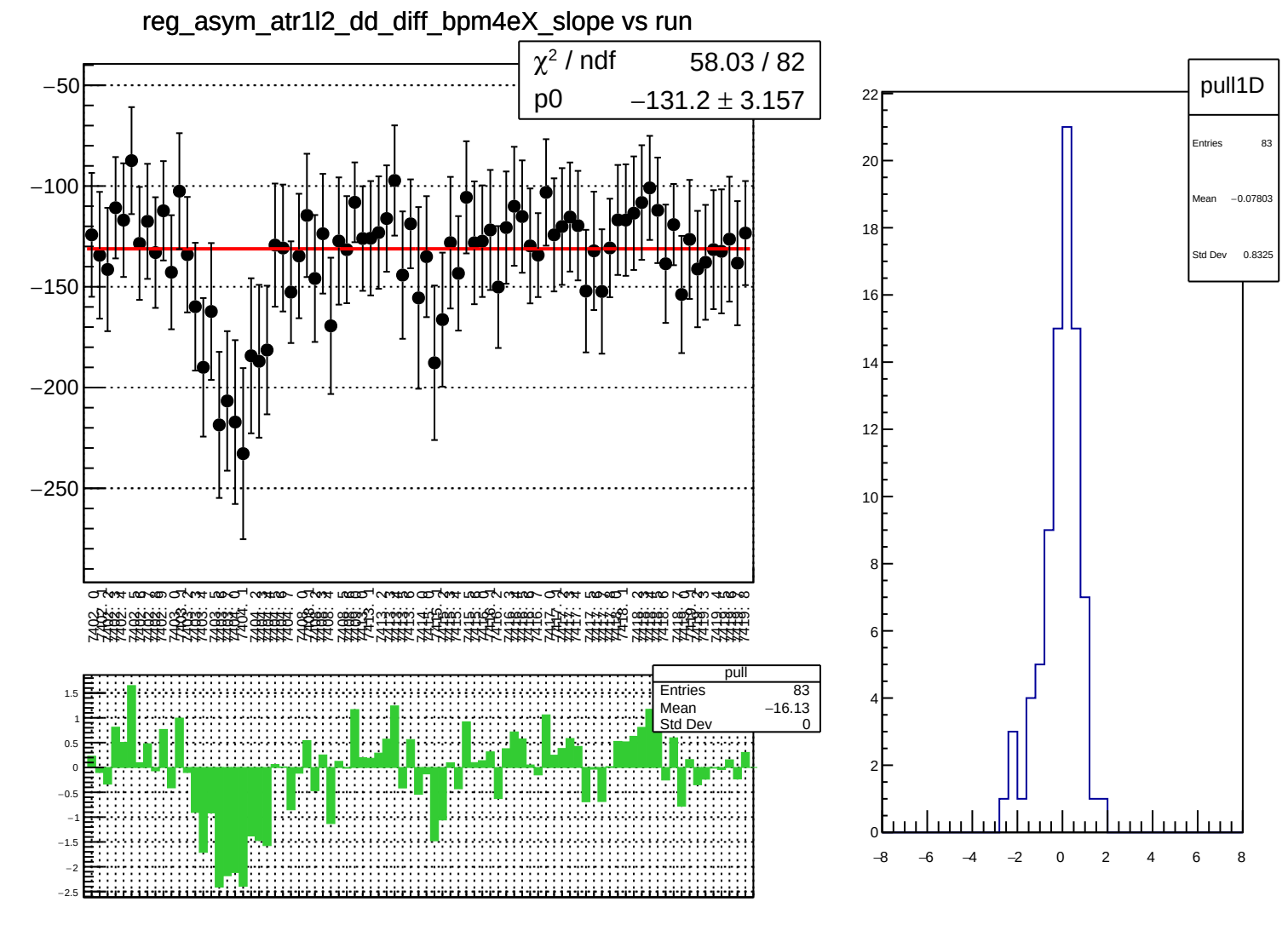

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 222.4 / 82
p0 −117.7 ± 0.1577
pull
Entries 83
Mean 3457
Std Dev 0
pull1D
Entries 83
Mean −0.007521
Std Dev 1.637

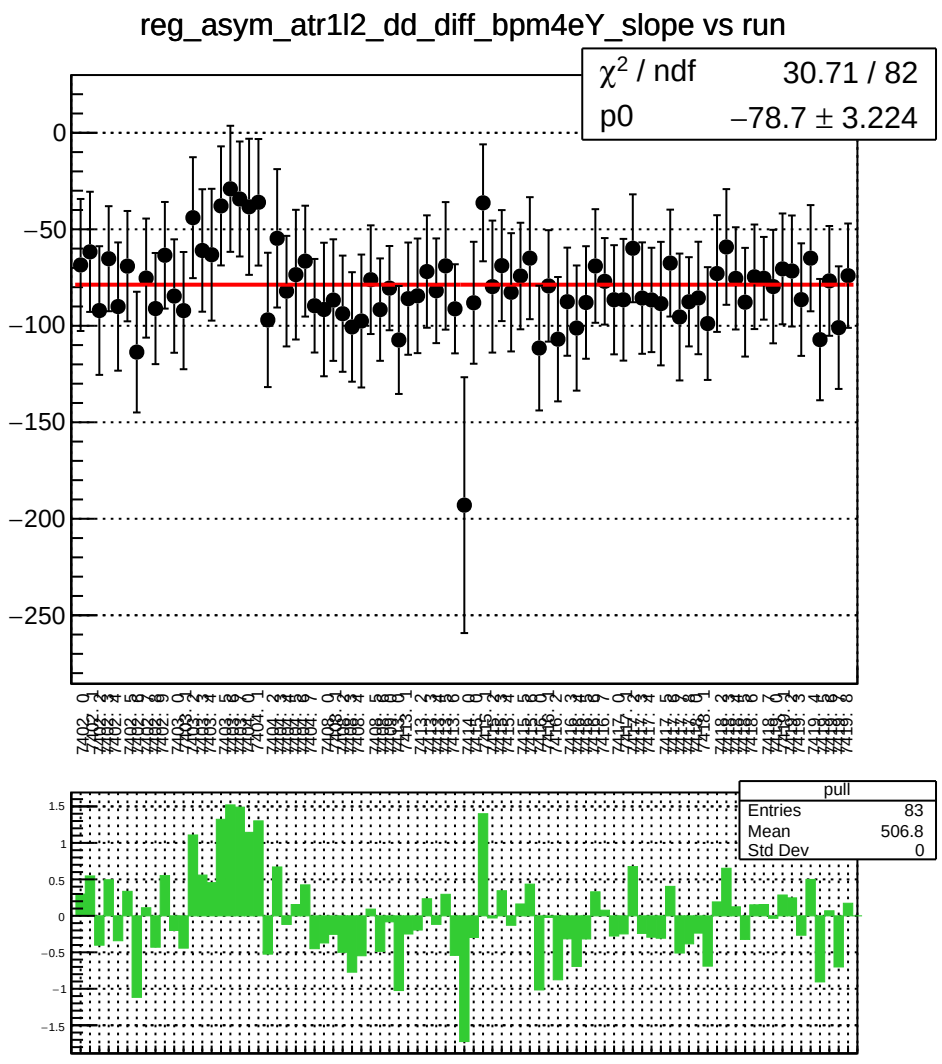

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 57.02 / 82
p0 125.9 ± 3.06
250
200
150
100
50
pull
Entries 83
Mean −18.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

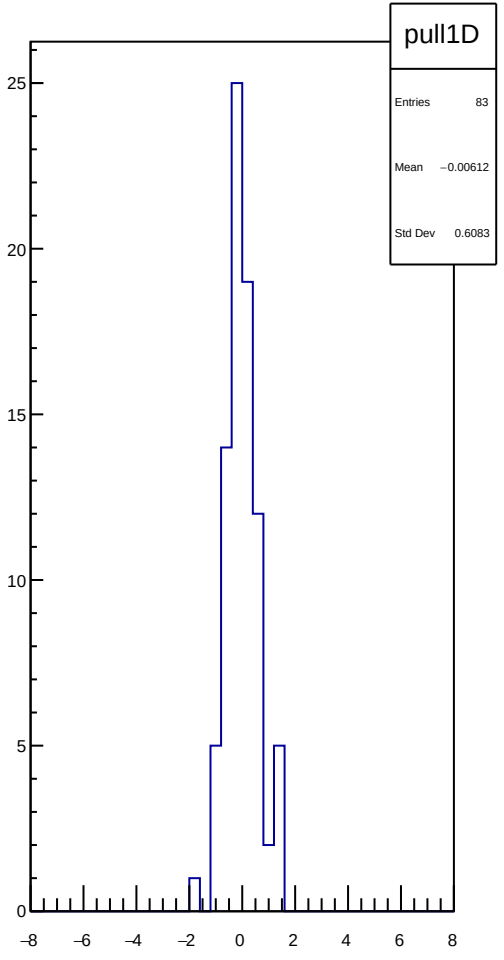

pull1D
Entries 83
Mean 0.07507
Std Dev 0.8255
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

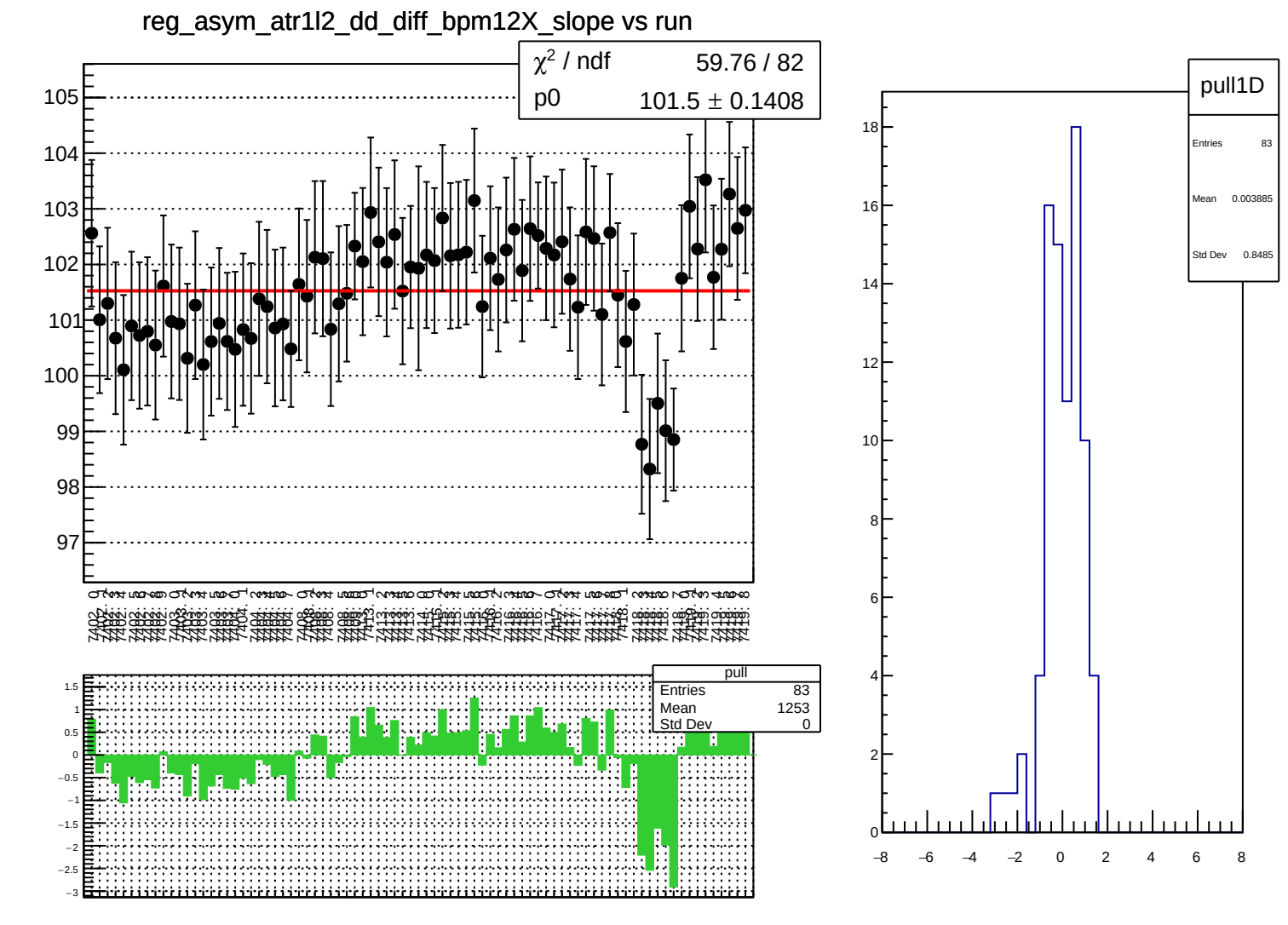

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.33 / 82
p0 18.6 ± 3.062
200
150
100
50
0
−50
pull
Entries 83
Mean 202.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

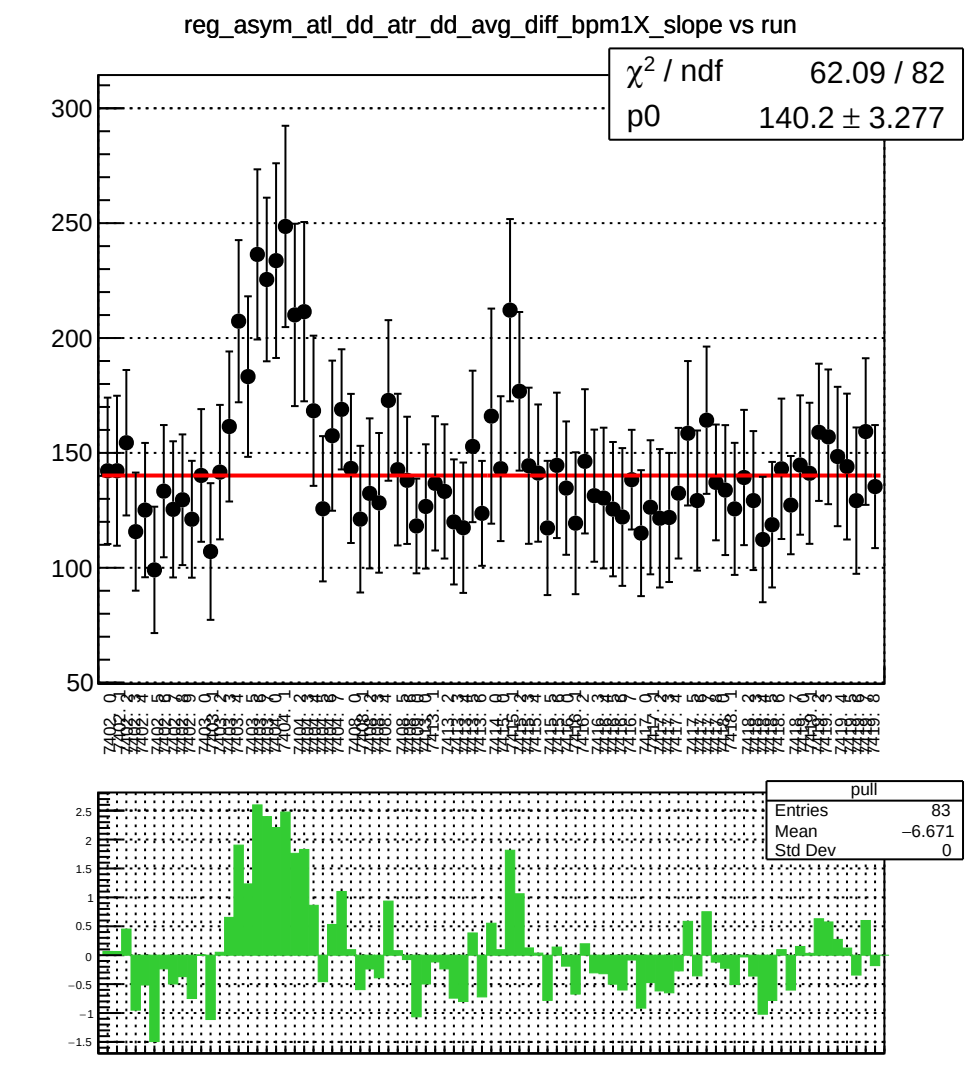

pull1D
Entries 83
Mean 0.01314
Std Dev 0.5943
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

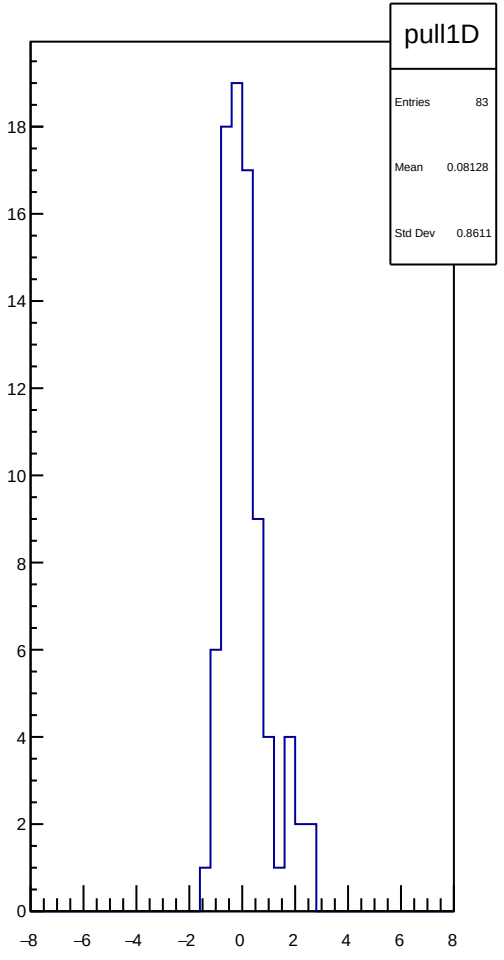

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.03 / 82
p0 −131.2 ± 3.157
pull
Entries 83
Mean −16.13
Std Dev 0
pull1D
Entries 83
Mean −0.07803
Std Dev 0.8325

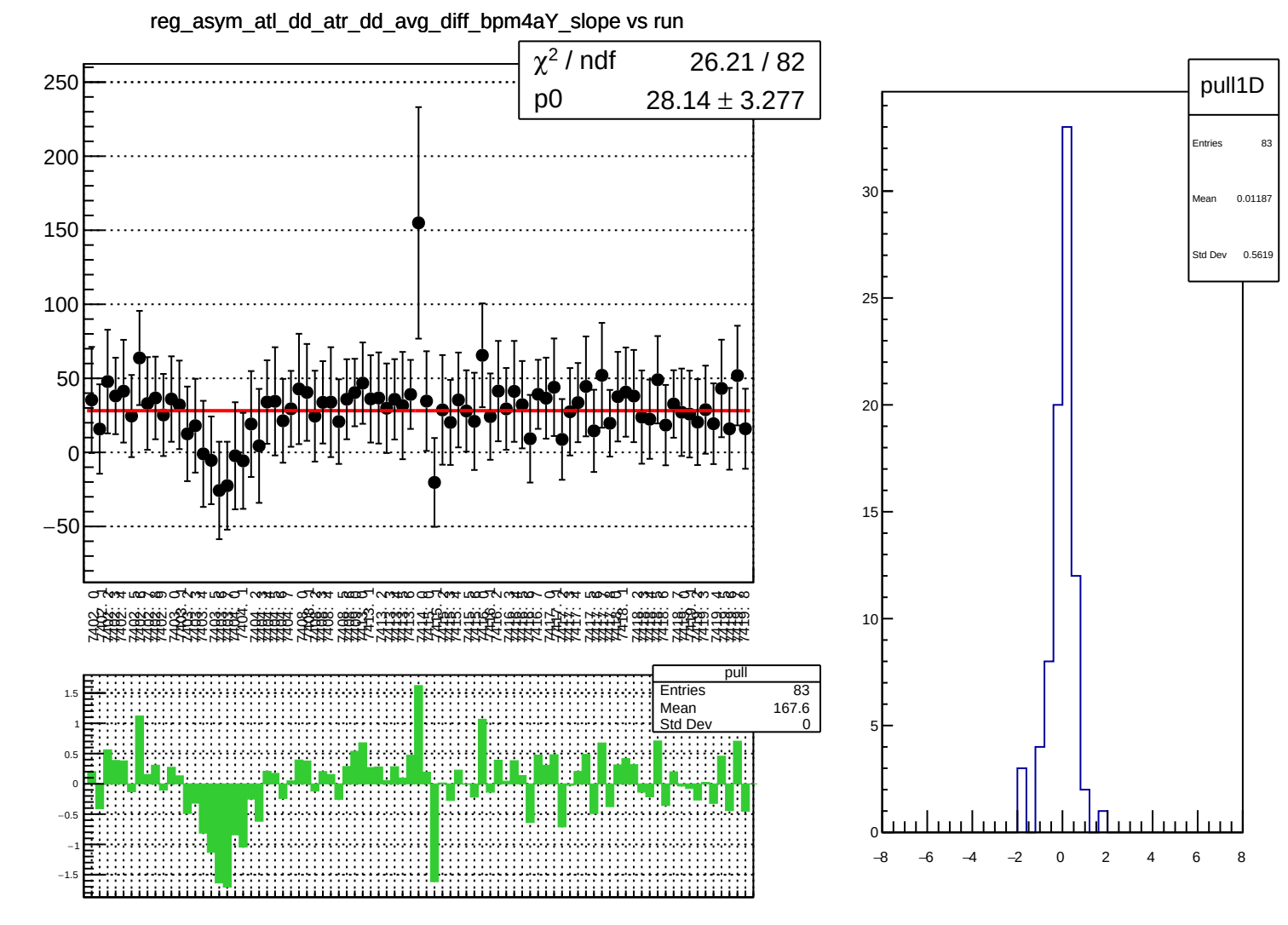

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.71 / 82
p0 −78.7 ± 3.224
0
−50
−100
−150
−200
−250
pull
Entries 83
Mean 506.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

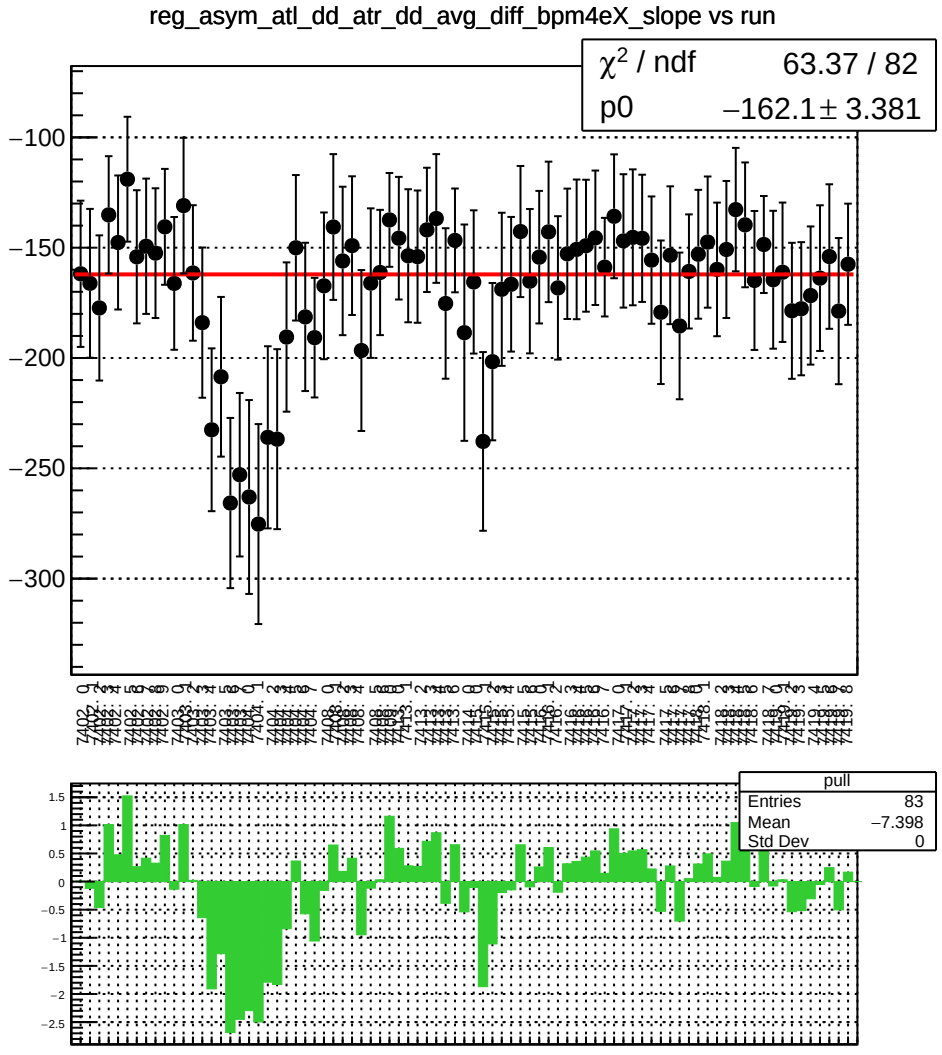

pull1D
Entries 83
Mean −0.00612
Std Dev 0.6083
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

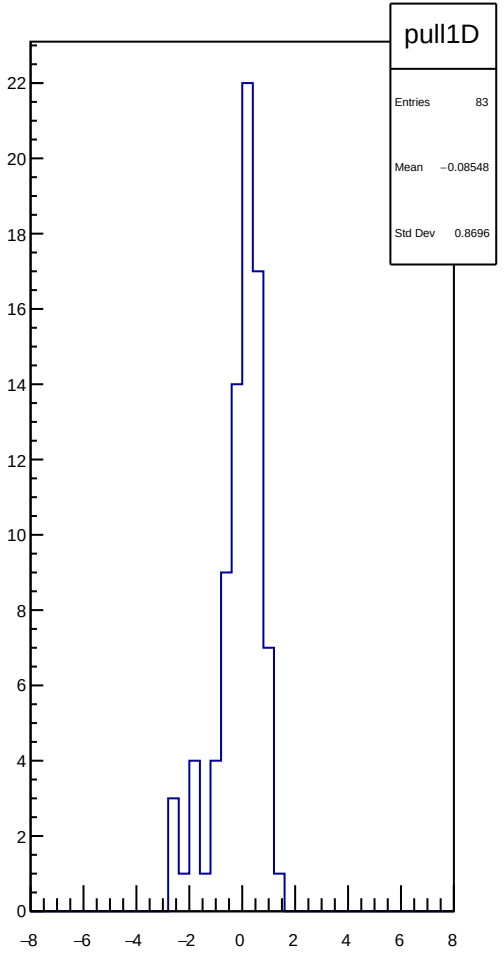

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 59.76 / 82
p0 101.5 ± 0.1408
pull
Entries 83
Mean 1253
Std Dev 0
pull1D
Entries 83
Mean 0.003885
Std Dev 0.8485

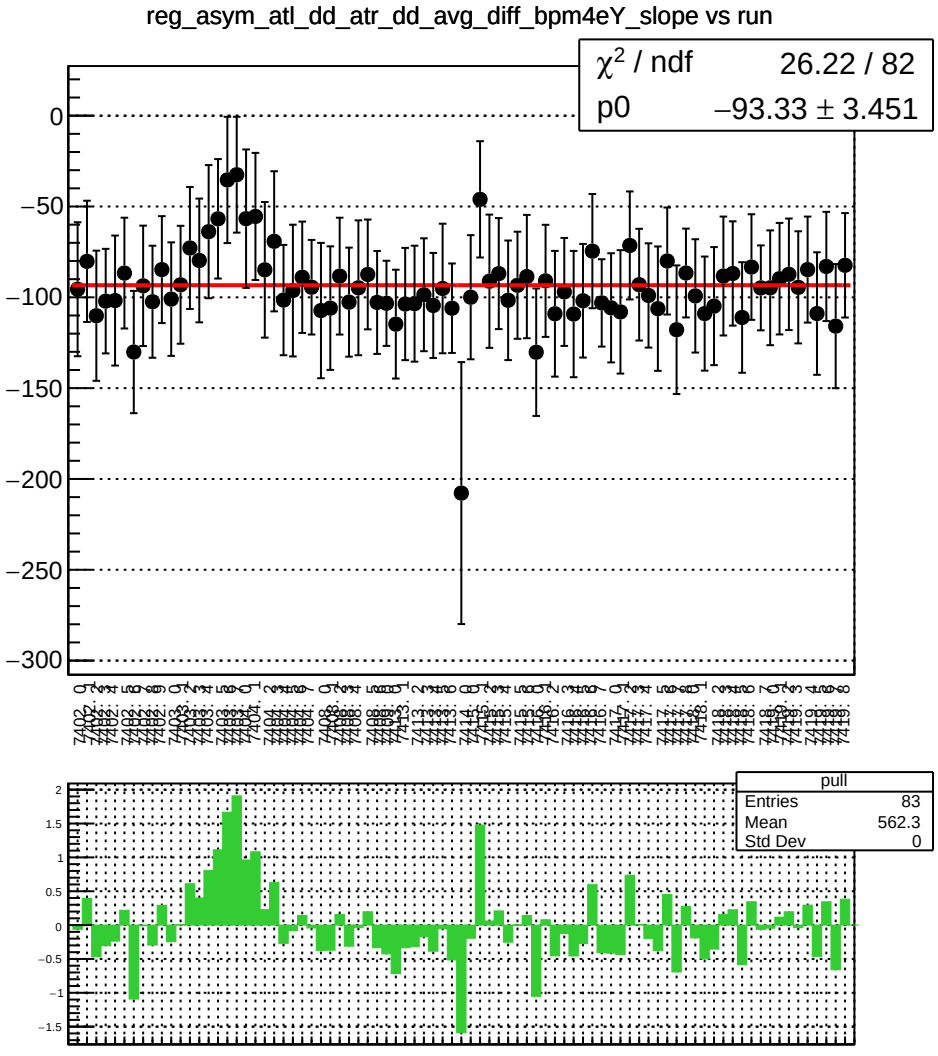

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 62.09 / 82
p0 140.2 ± 3.277
pull
Entries 83
Mean −6.671
Std Dev 0

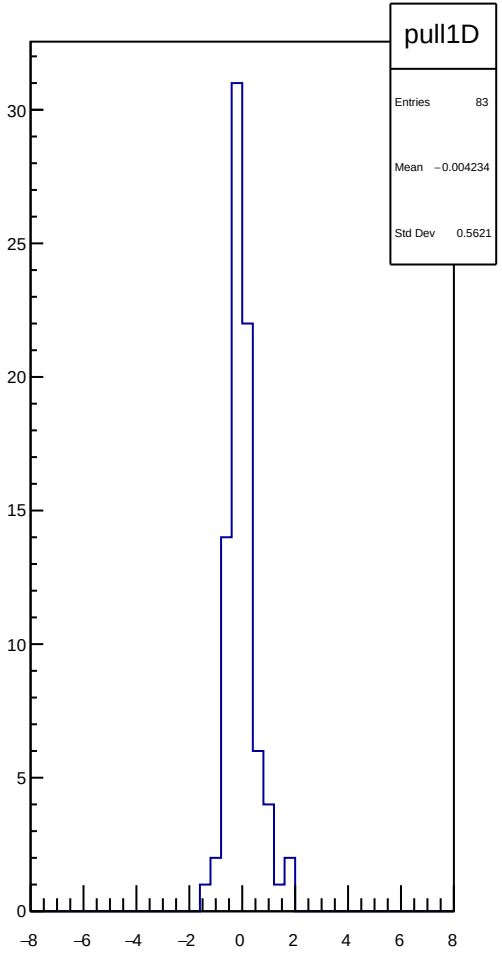

pull1D
Entries 83
Mean 0.08128
Std Dev 0.8611

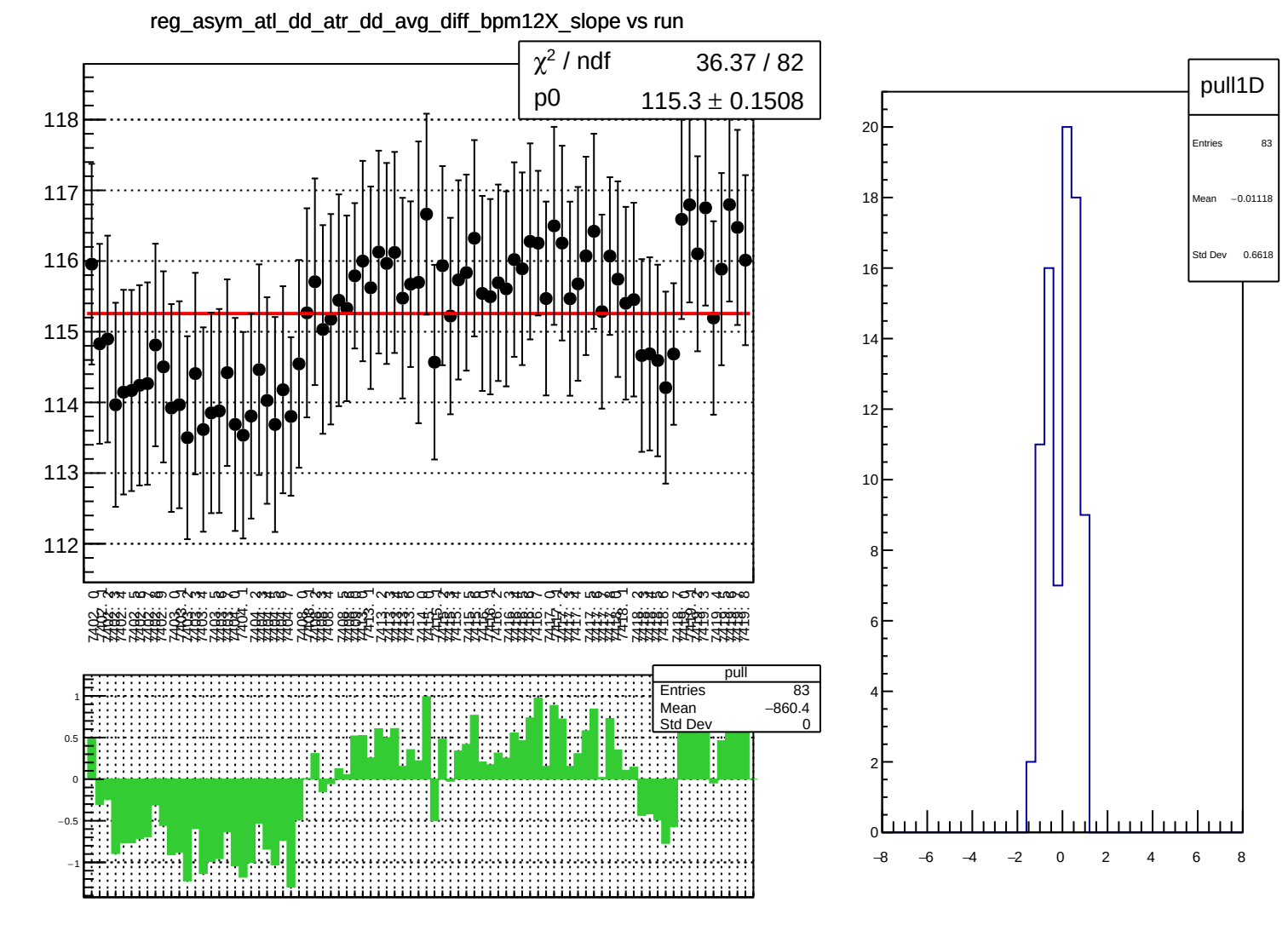

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.21 / 82
p0 28.14 ± 3.277
pull
Entries 83
Mean 167.6
Std Dev 0
pull1D
Entries 83
Mean 0.01187
Std Dev 0.5619

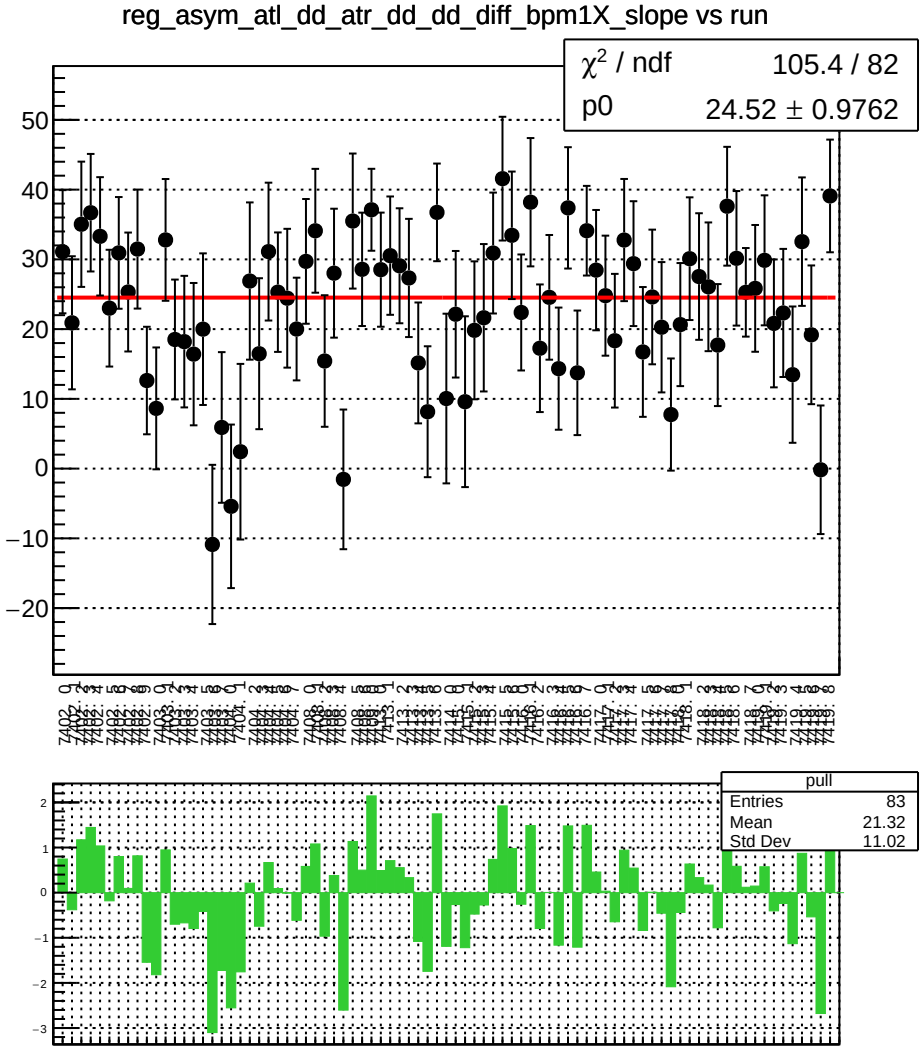

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.37 / 82
p0 −162.1 ± 3.381
−100
−150
−200
−250
−300
pull
Entries 83
Mean −7.398
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

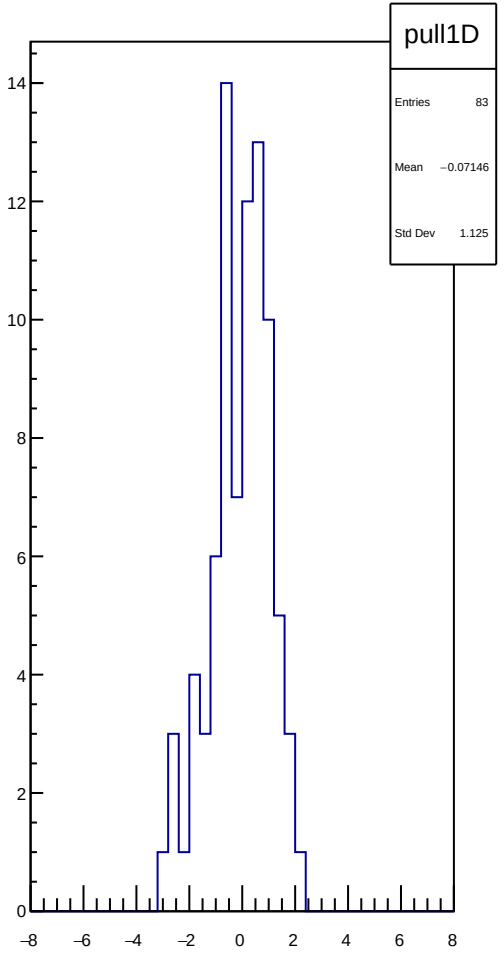

pull1D
Entries 83
Mean −0.08548
Std Dev 0.8696
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

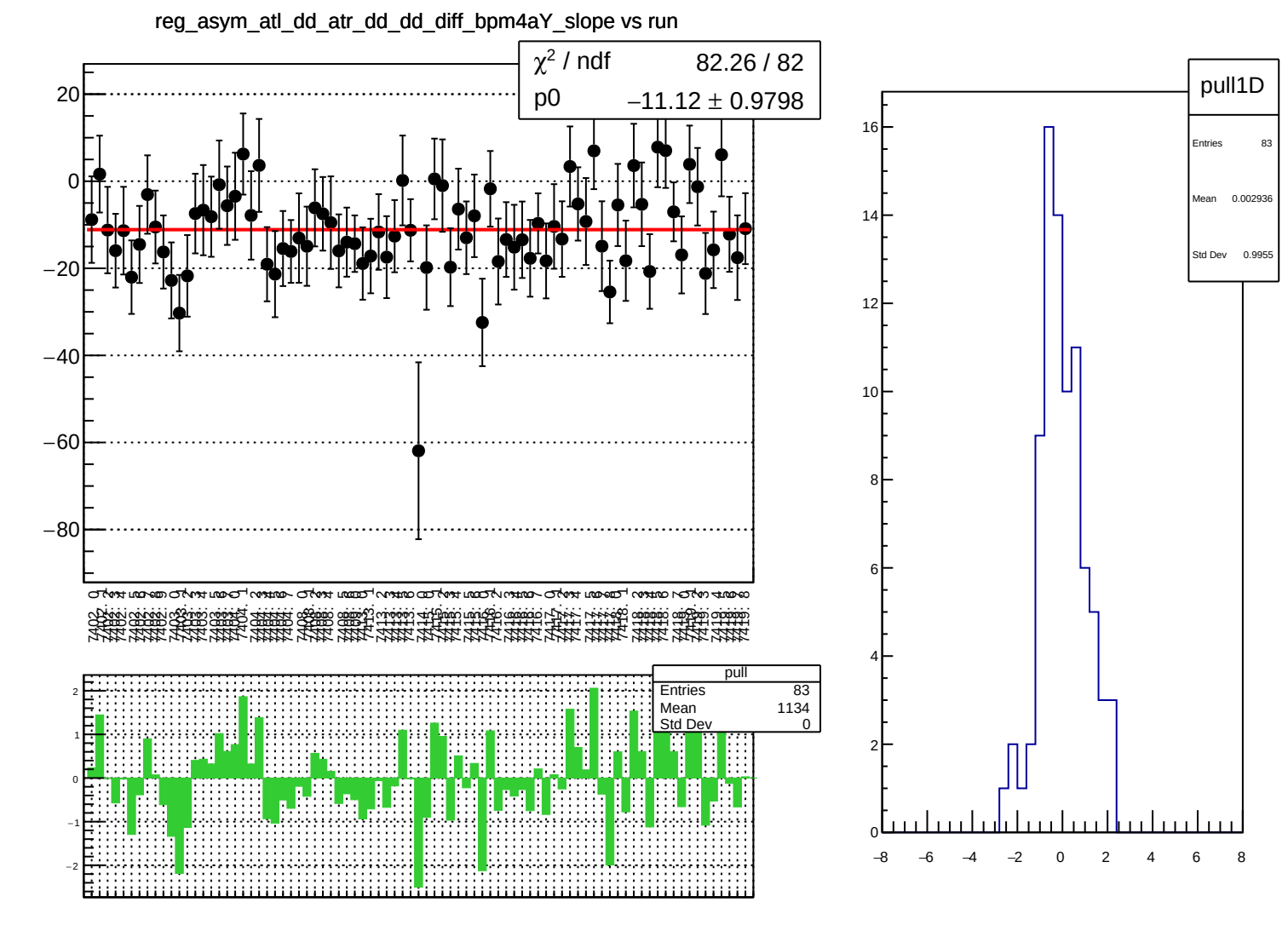

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.22 / 82
p0 −93.33 ± 3.451
pull
Entries 83
Mean 562.3
Std Dev 0

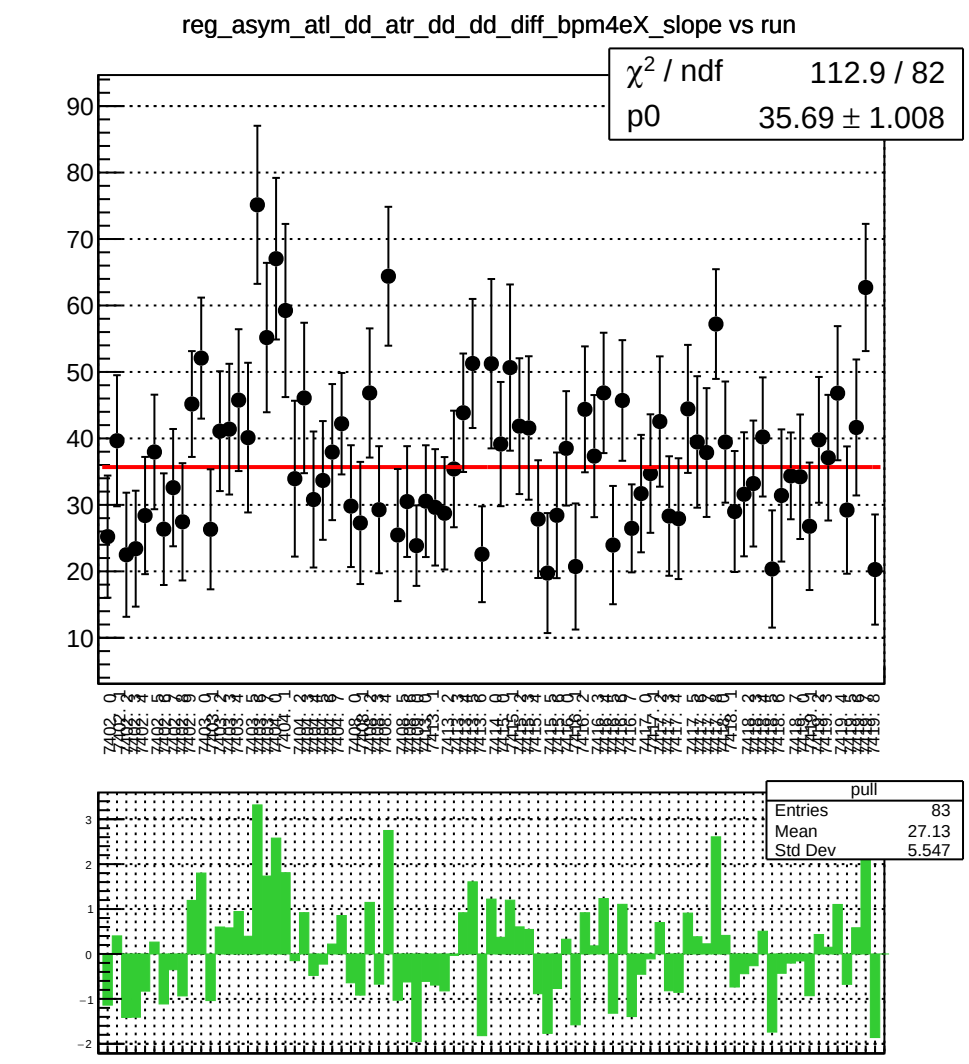

pull1D
Entries 83
Mean −0.004234
Std Dev 0.5621

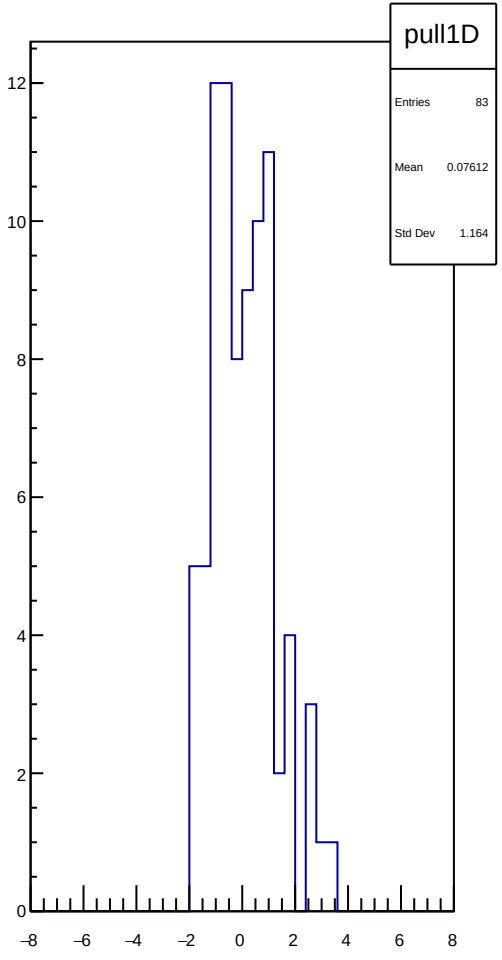

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 36.37 / 82
p0 115.3 ± 0.1508
118
117
116
115
114
113
112
pull
Entries 83
Mean −860.4
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 83
Mean −0.01118
Std Dev 0.6618
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

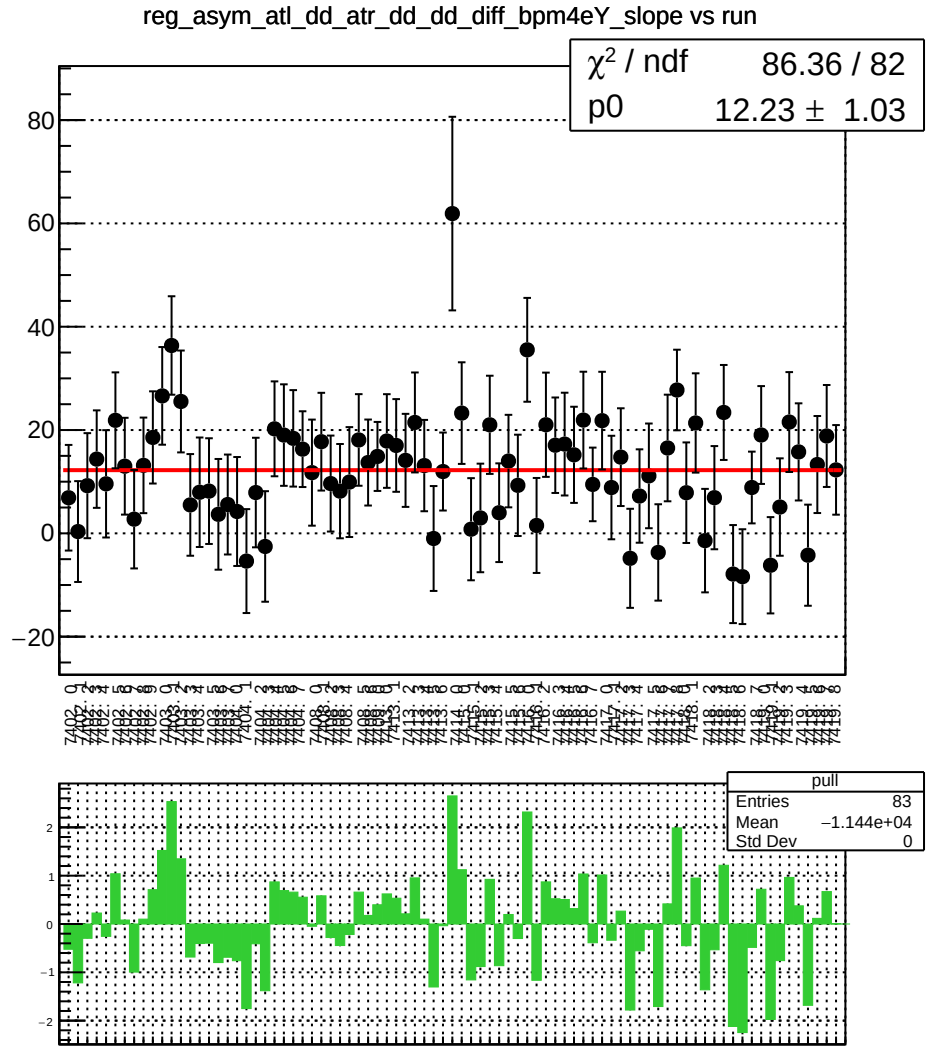

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 105.4 / 82
p0 24.52 ± 0.9762
pull
Entries 83
Mean 21.32
Std Dev 11.02

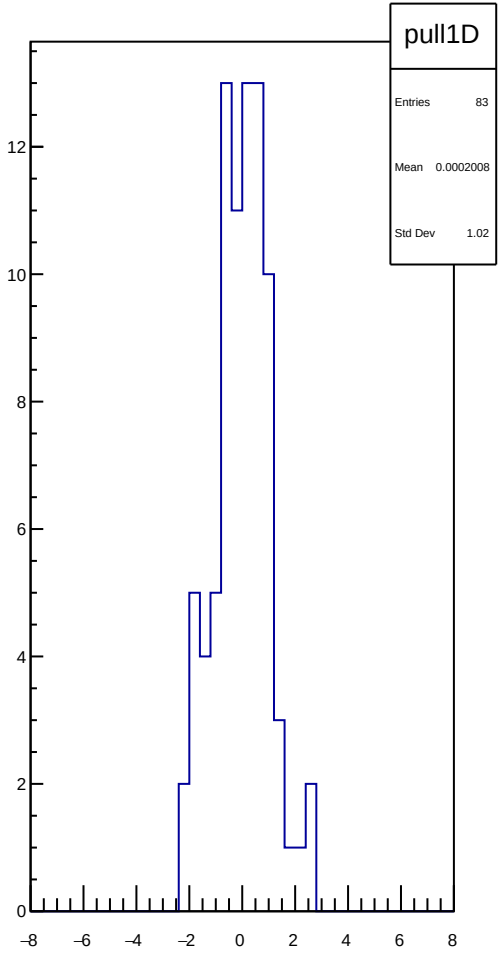

pull1D
Entries 83
Mean −0.07146
Std Dev 1.125

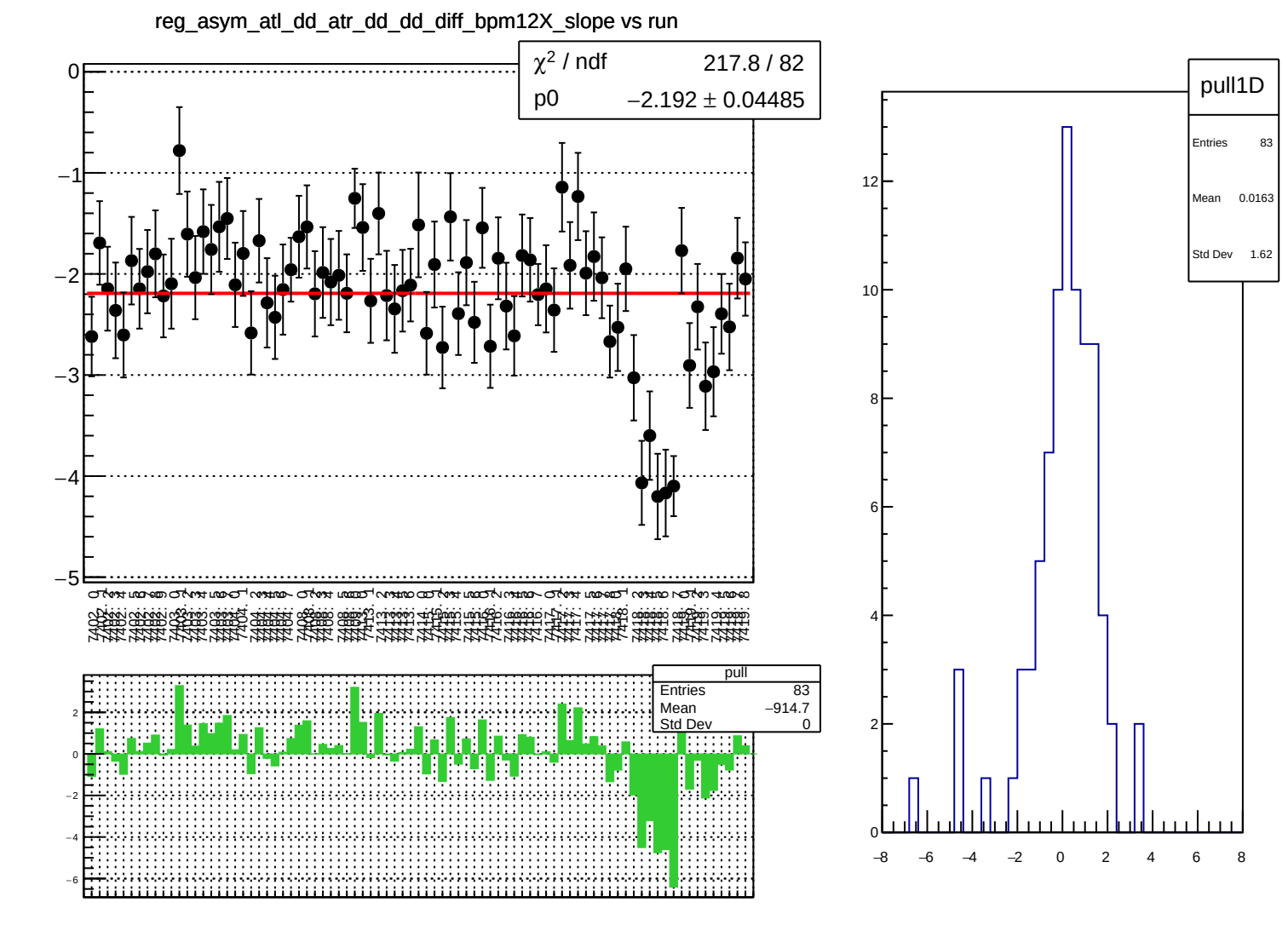

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.26 / 82
p0 −11.12 ± 0.9798
pull
Entries 83
Mean 1134
Std Dev 0
pull1D
Entries 83
Mean 0.002936
Std Dev 0.9955

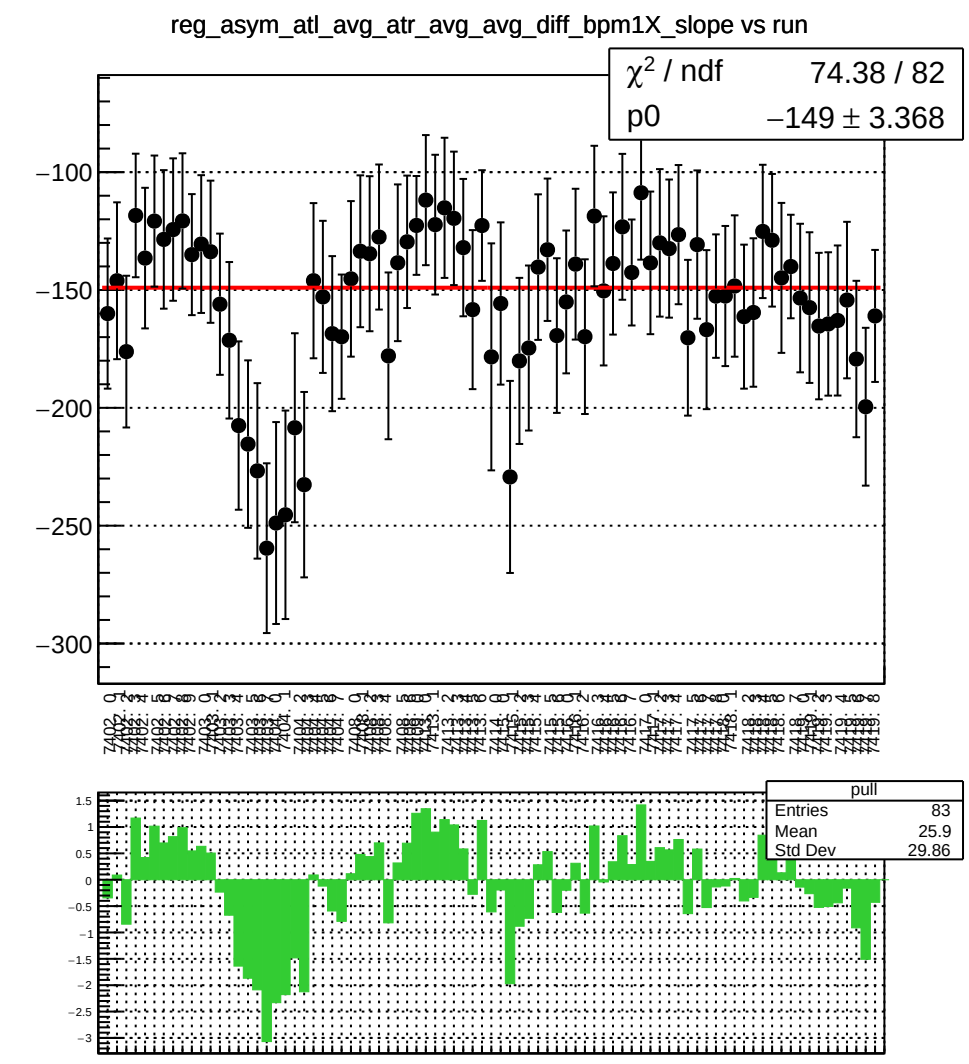

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 112.9 / 82
p0 35.69 ± 1.008
pull
Entries 83
Mean 27.13
Std Dev 5.547

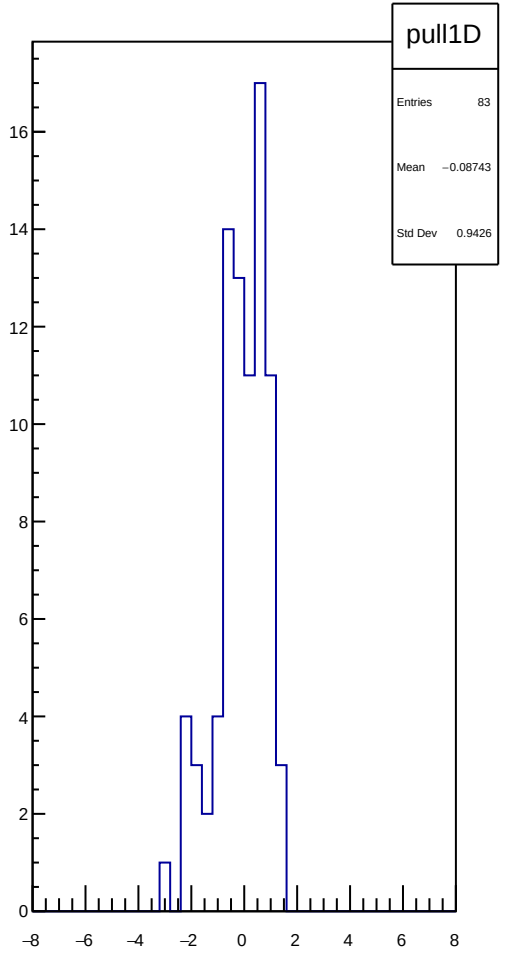

pull1D
Entries 83
Mean 0.07612
Std Dev 1.164

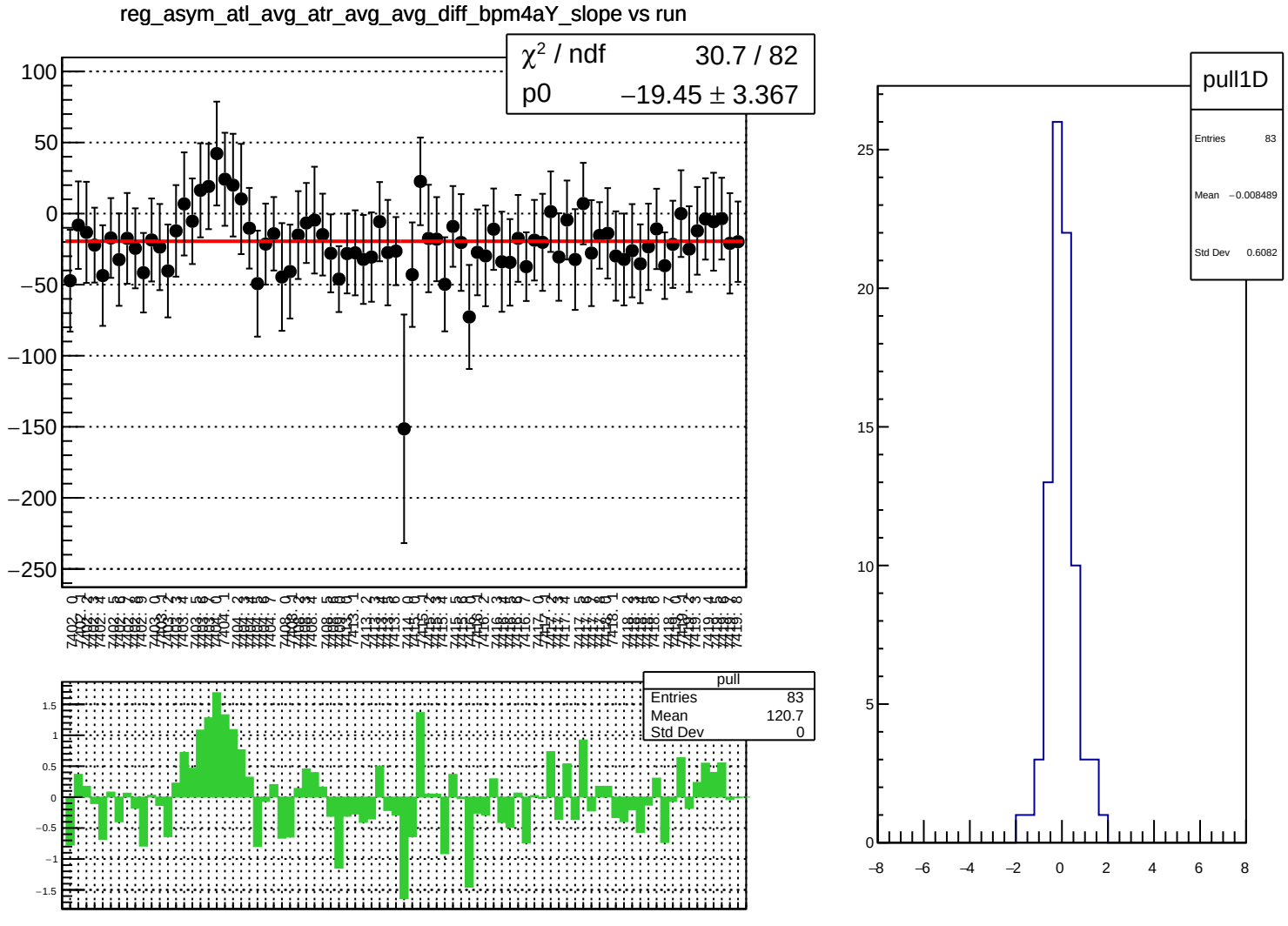

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.36 / 82
p0 12.23 ± 1.03
pull
Entries 83
Mean −1.144e+04
Std Dev 0

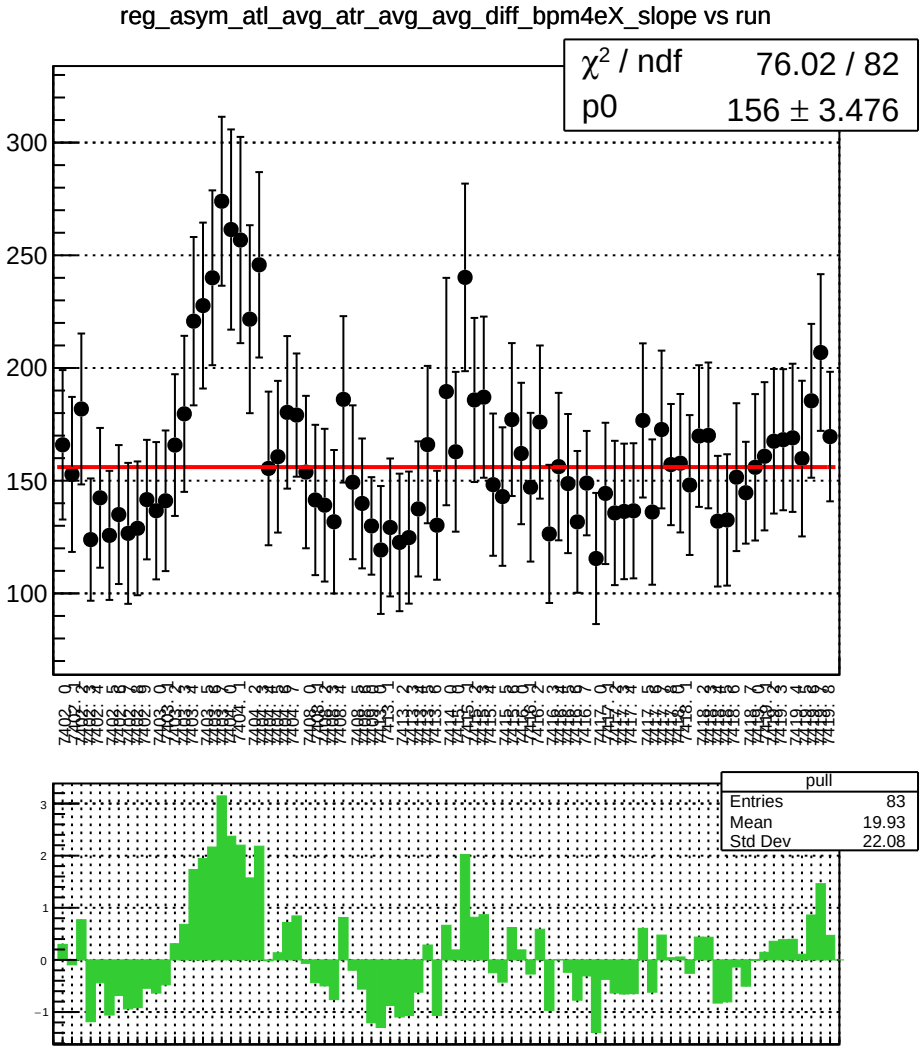

pull1D
Entries 83
Mean 0.0002008
Std Dev 1.02

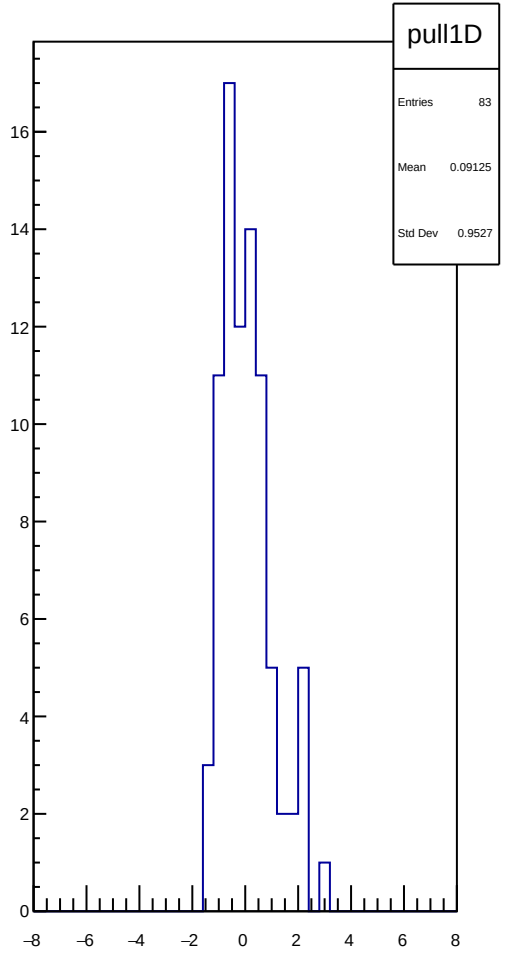

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 217.8 / 82
p0 −2.192 ± 0.04485
pull
Entries 83
Mean −914.7
Std Dev 0
pull1D
Entries 83
Mean 0.0163
Std Dev 1.62

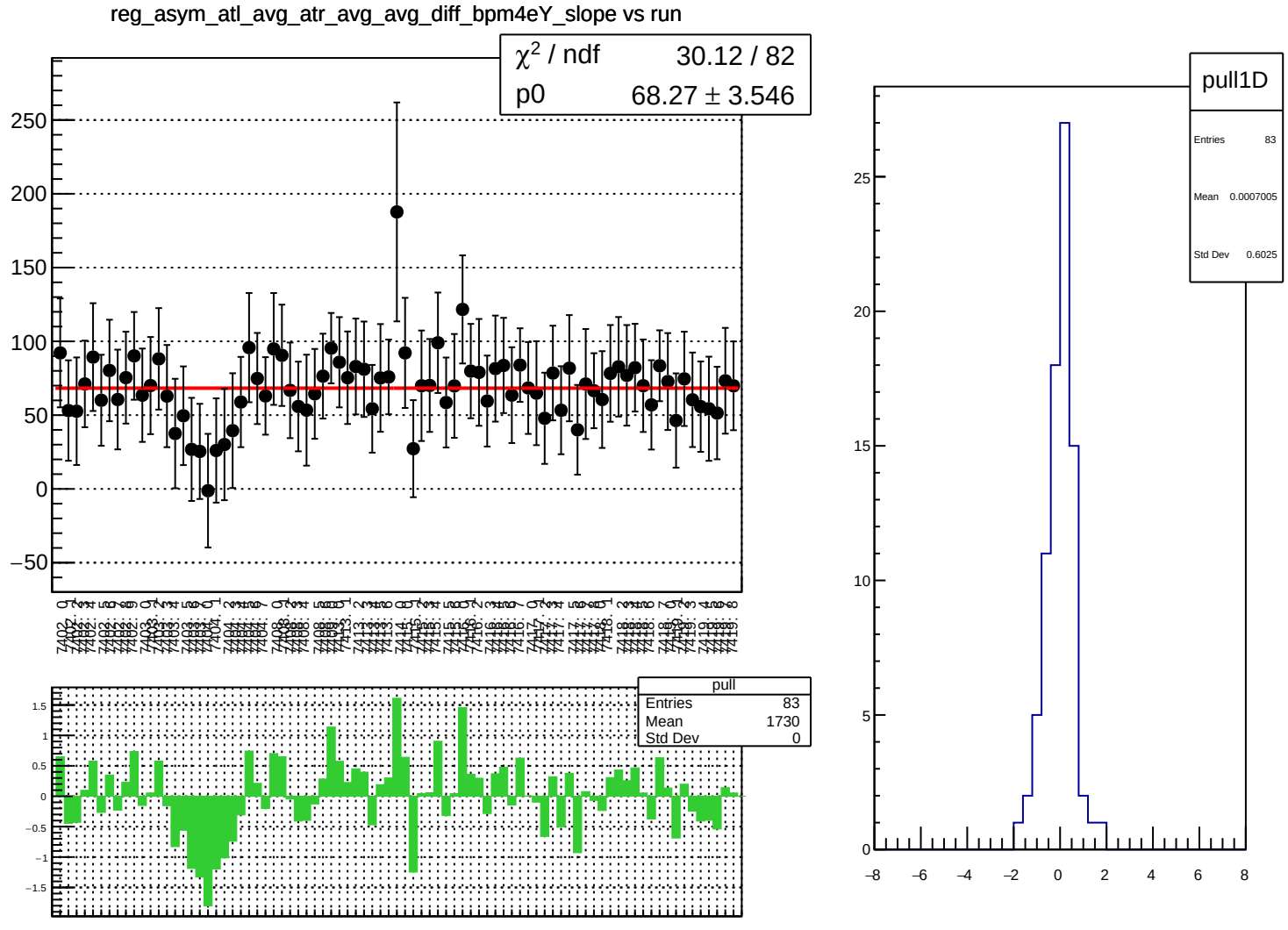

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 74.38 / 82
p0 −149 ± 3.368
−100
−150
−200
−250
−300
pull
Entries 83
Mean 25.9
Std Dev 29.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

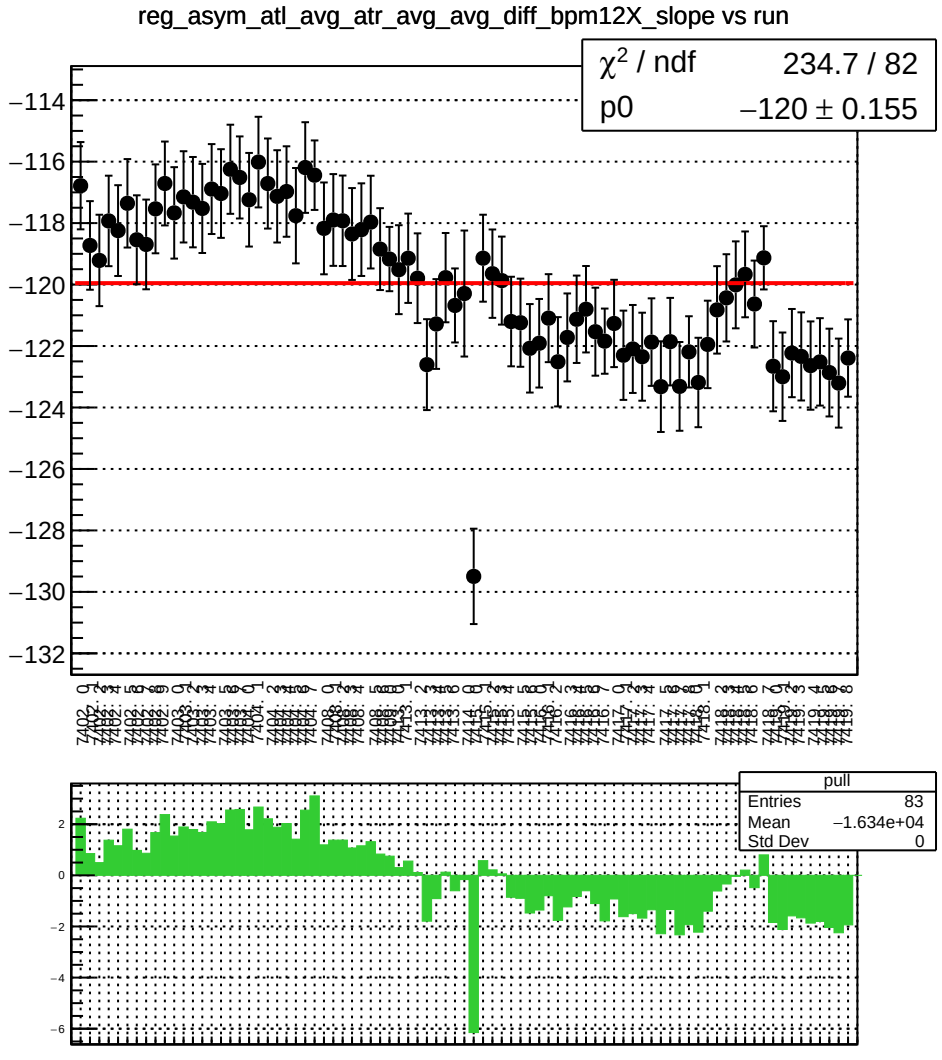

pull1D
Entries 83
Mean −0.08743
Std Dev 0.9426
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

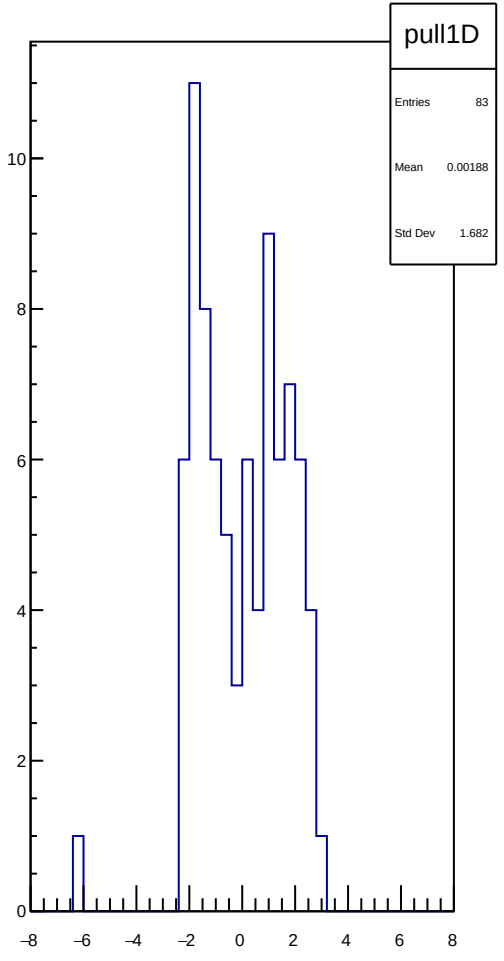

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.7 / 82
p0 −19.45 ± 3.367
pull
Entries 83
Mean 120.7
Std Dev 0
pull1D
Entries 83
Mean −0.008489
Std Dev 0.6082

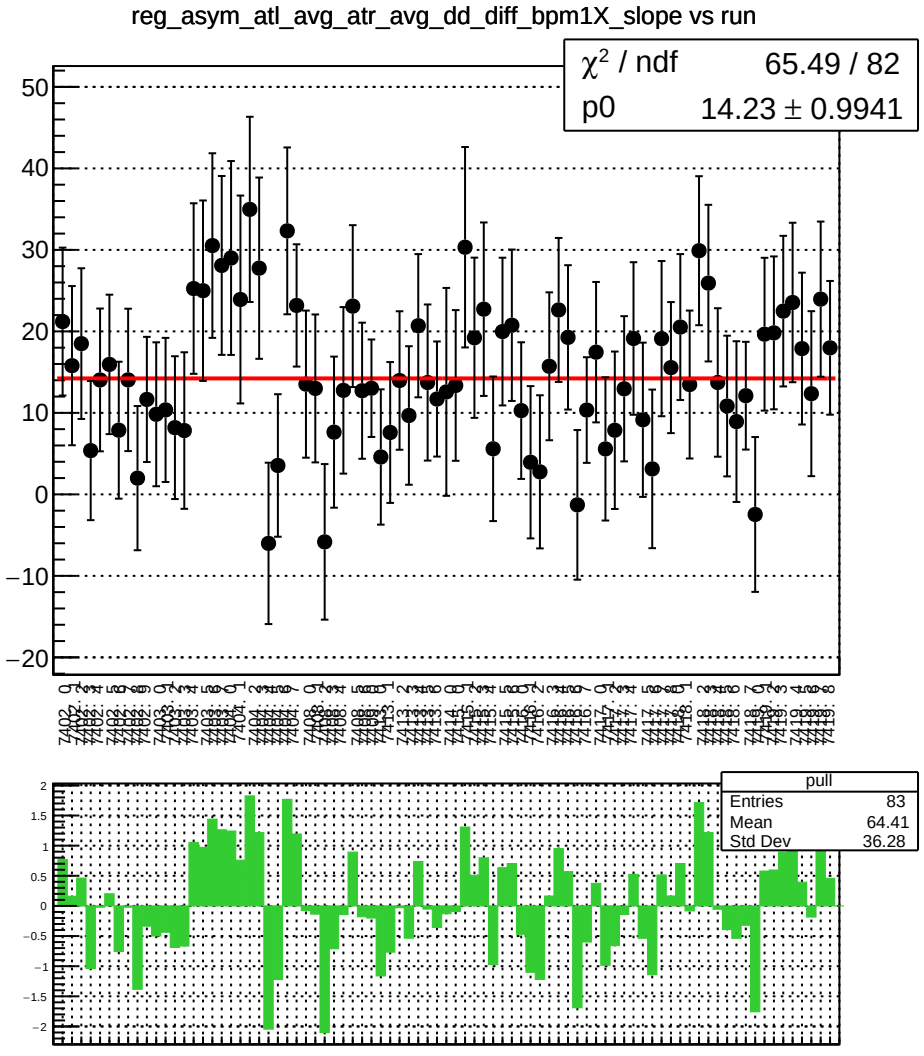

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.02 / 82
p0 156 ± 3.476
300
250
200
150
100
pull
Entries 83
Mean 19.93
Std Dev 22.08
3
2
1
0
−1

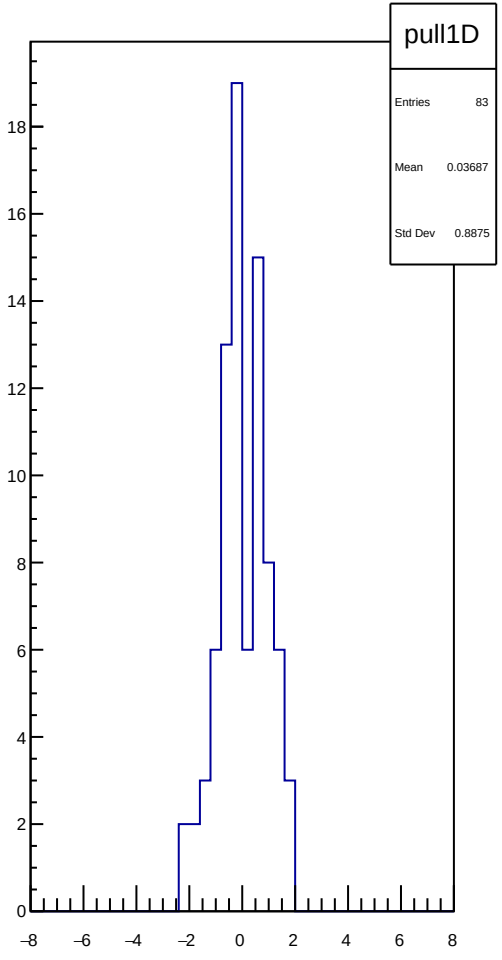

pull1D
Entries 83
Mean 0.09125
Std Dev 0.9527
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

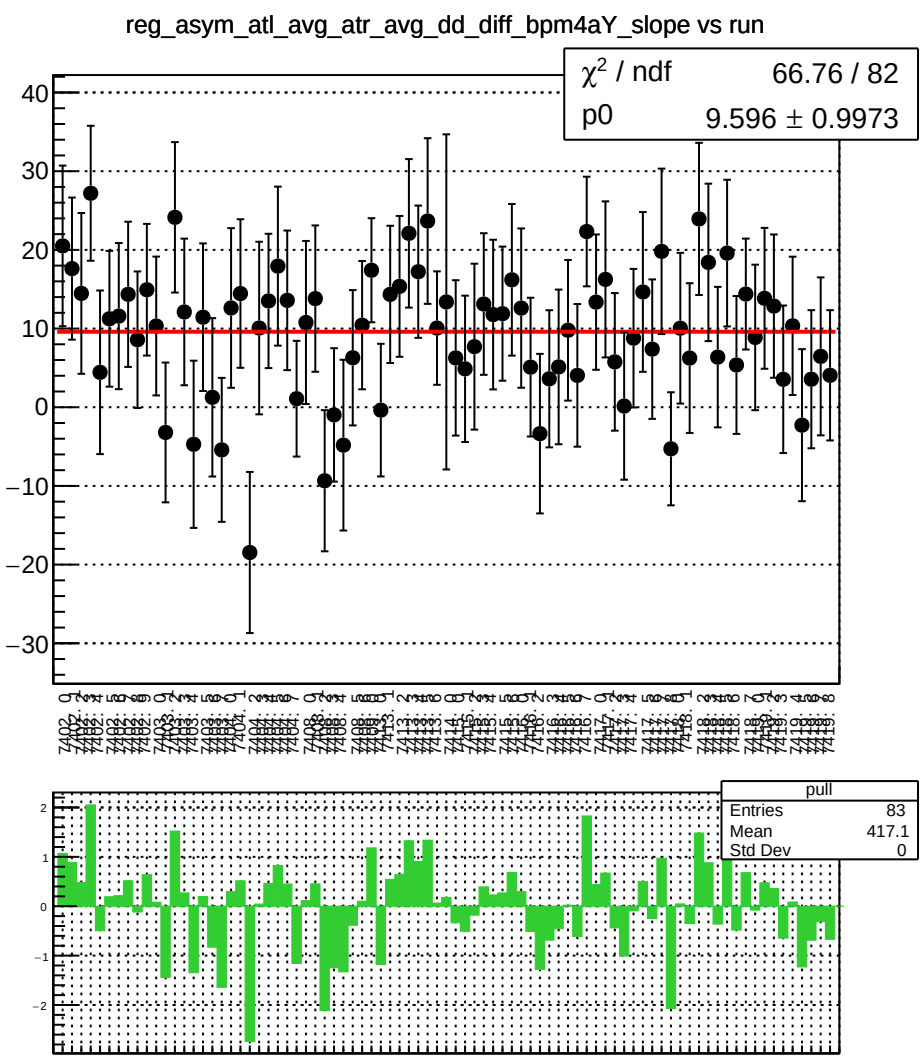

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.12 / 82
p0 68.27 ± 3.546
250
200
150
100
50
0
−50
pull
Entries 83
Mean 1730
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.0007005
Std Dev 0.6025
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

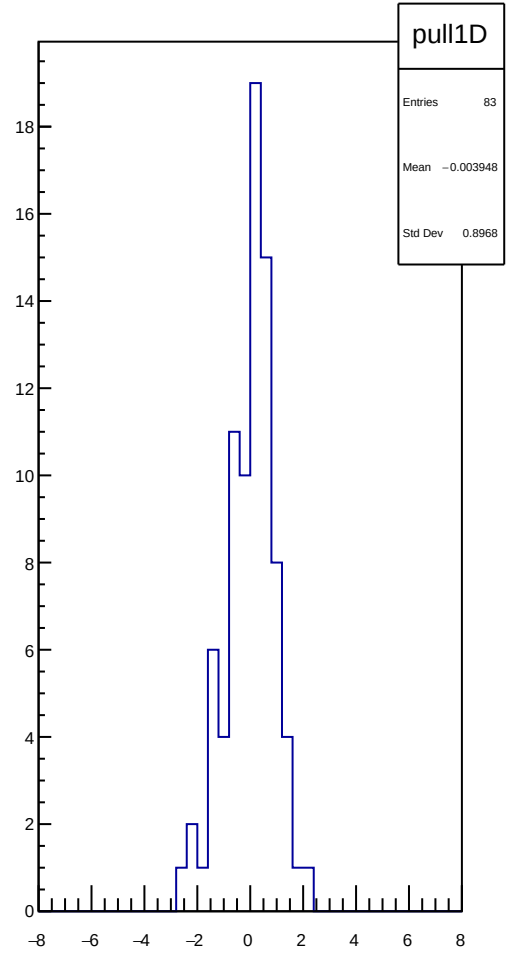

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 234.7 / 82
p0 −120 ± 0.155
−114
−116
−118
−120
−122
−124
−126
−128
−130
−132
pull
Entries 83
Mean −1.634e+04
Std Dev 0
2
0
−2
−4
−6

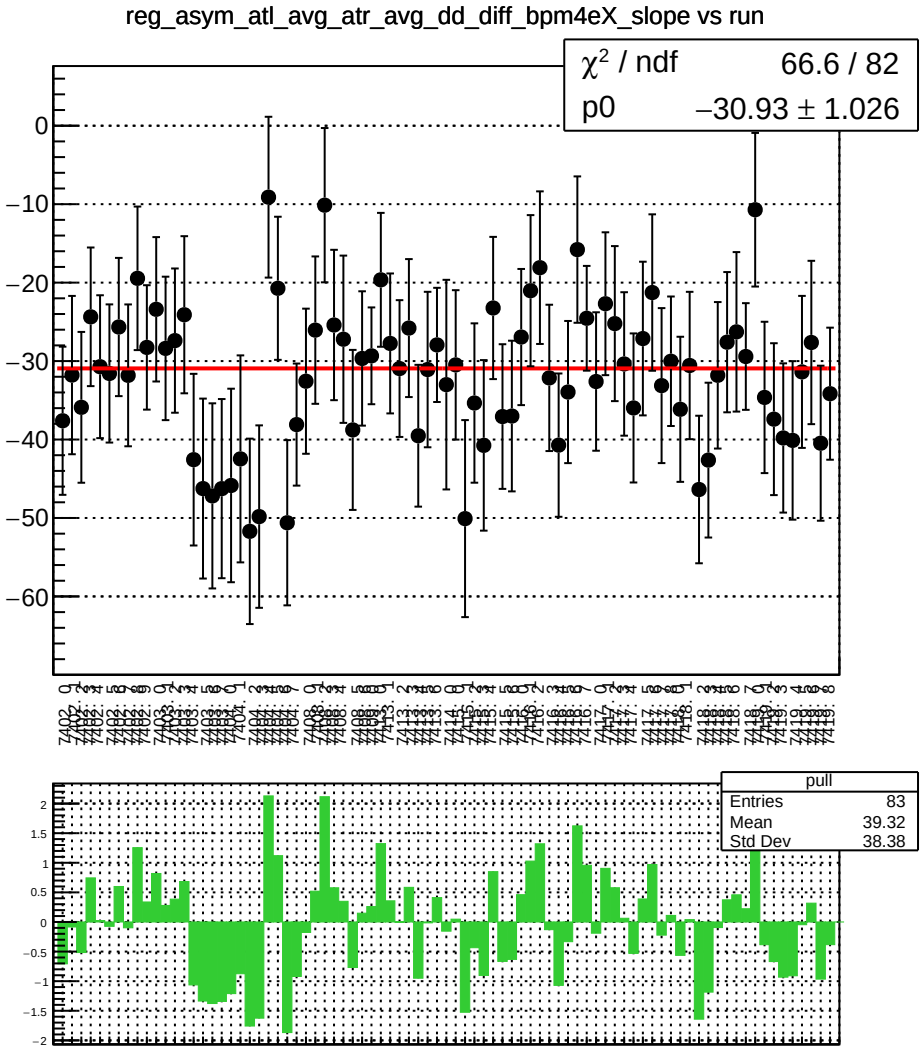

pull1D
Entries 83
Mean 0.00188
Std Dev 1.682
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

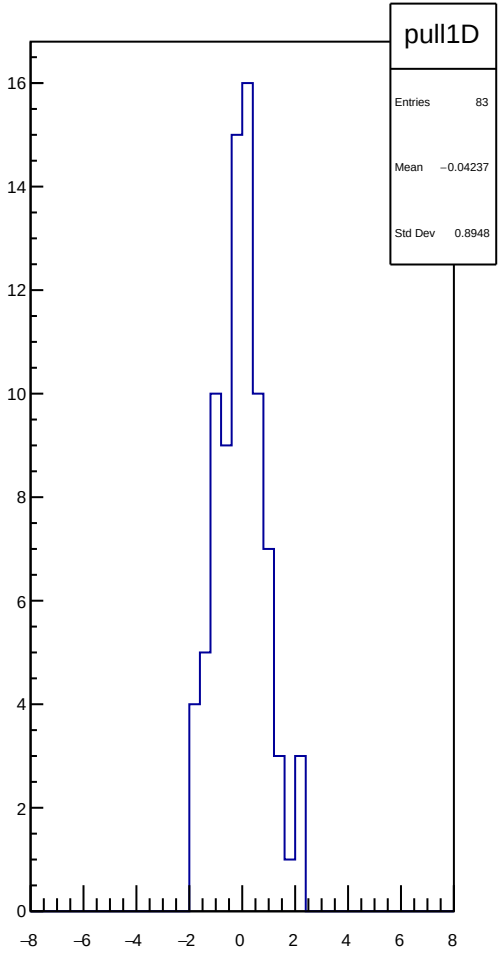

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 65.49 / 82
p0 14.23 ± 0.9941
pull
Entries 83
Mean 64.41
Std Dev 36.28

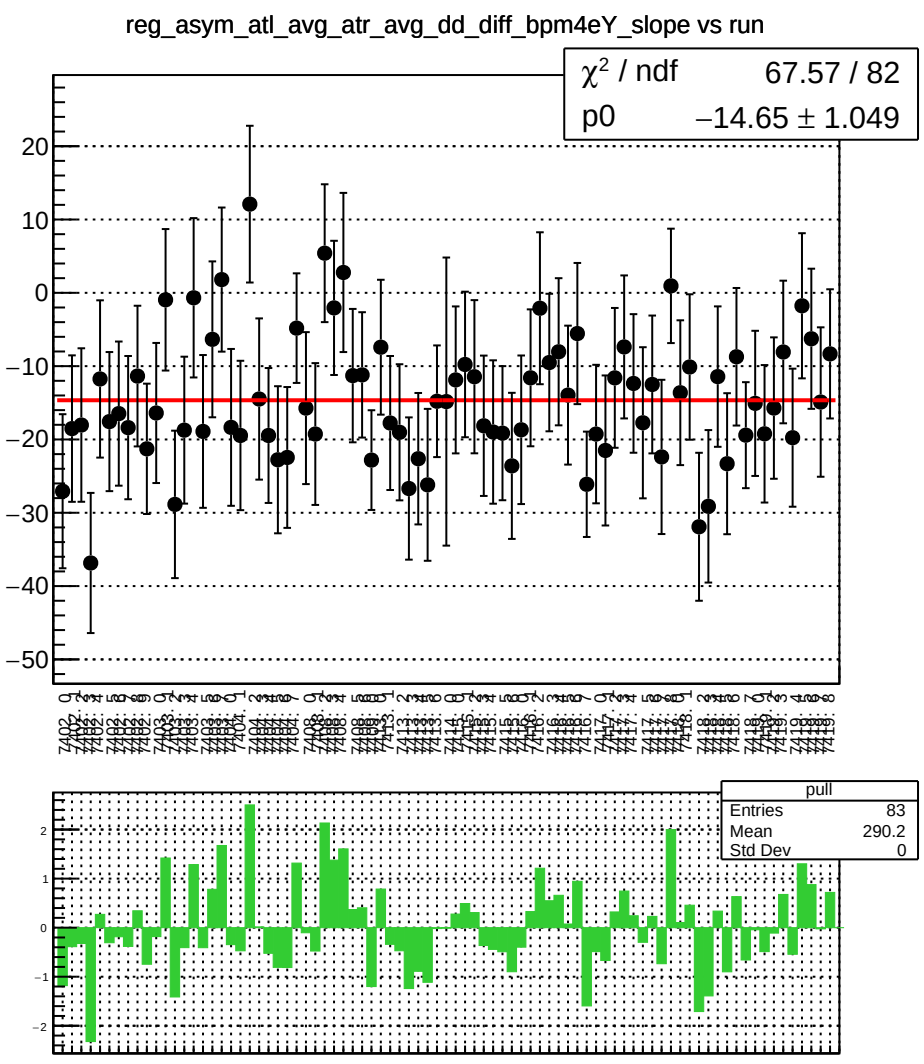

pull1D
Entries 83
Mean 0.03687
Std Dev 0.8875

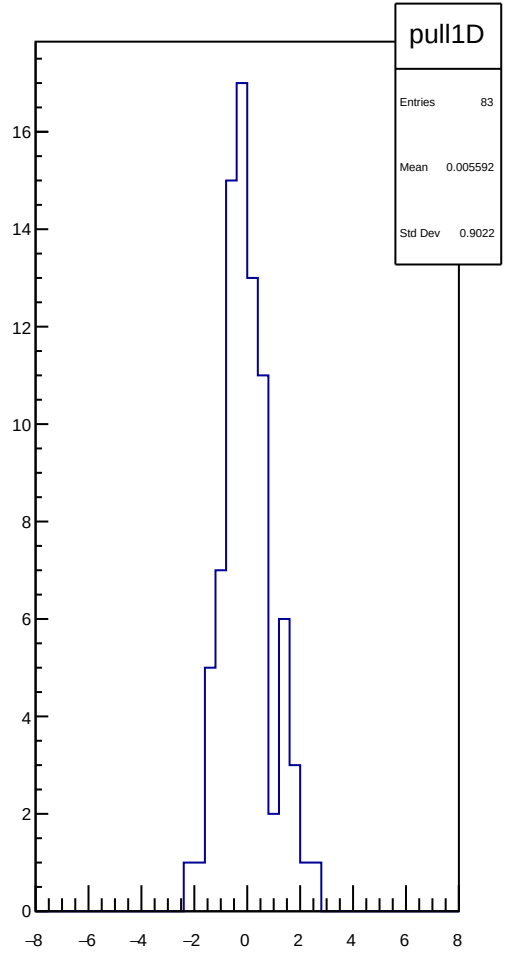

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.76 / 82
p0 9.596 ± 0.9973
pull
Entries 83
Mean 417.1
Std Dev 0

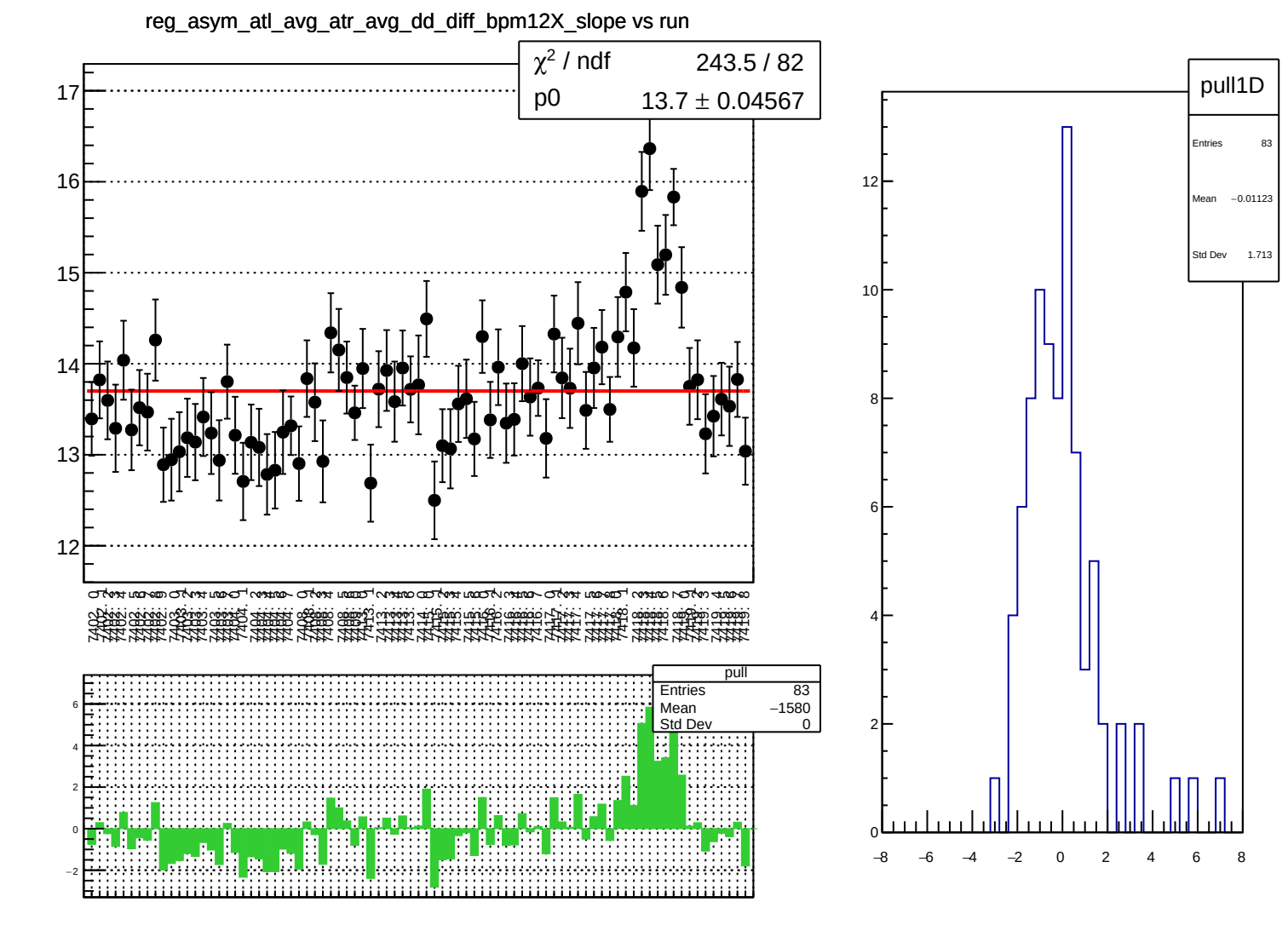

pull1D
Entries 83
Mean −0.003948
Std Dev 0.8968

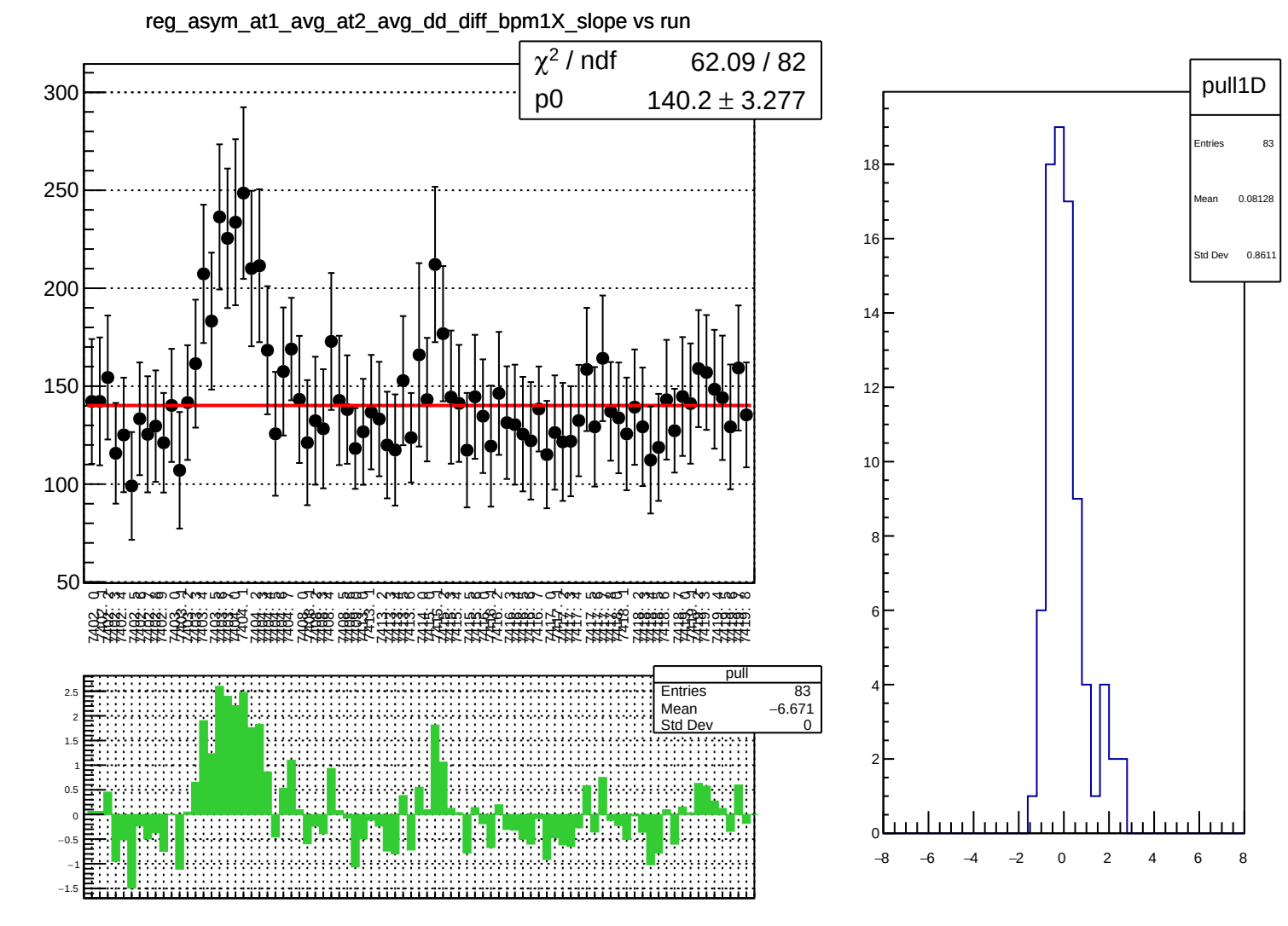

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.6 / 82
p0 −30.93 ± 1.026
pull
Entries 83
Mean 39.32
Std Dev 38.38

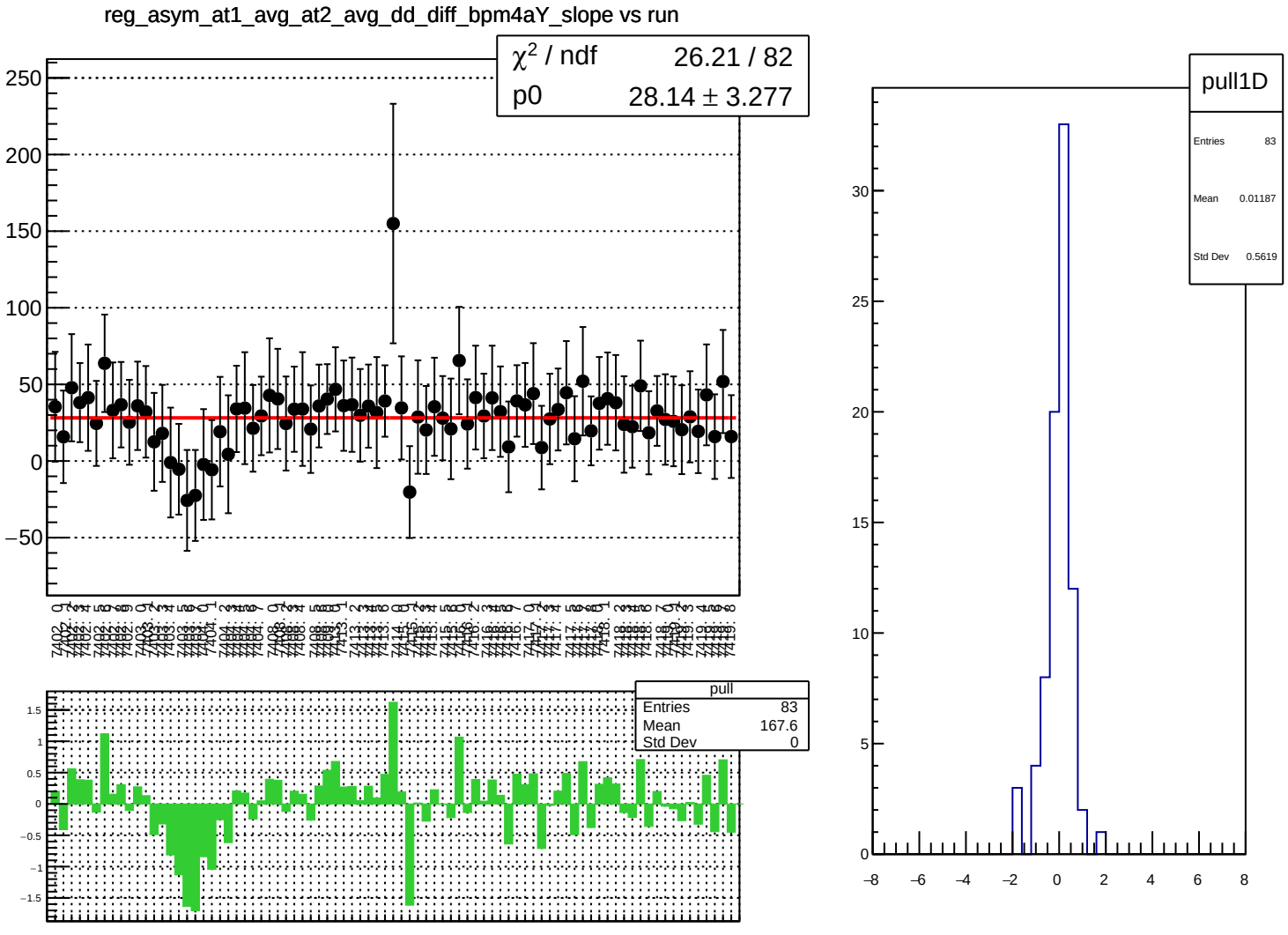

pull1D
Entries 83
Mean −0.04237
Std Dev 0.8948

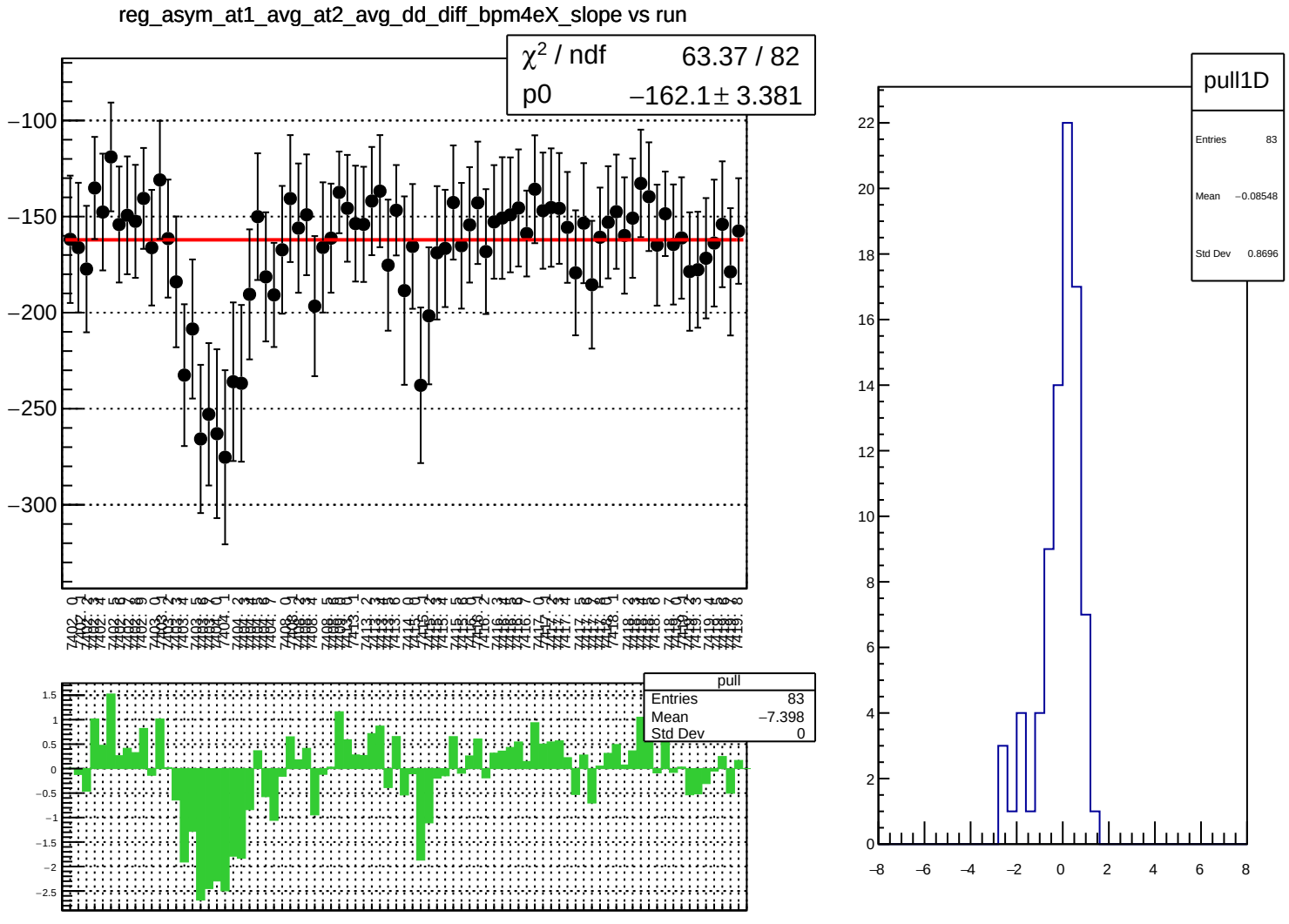

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.57 / 82
p0 −14.65 ± 1.049
pull
Entries 83
Mean 290.2
Std Dev 0

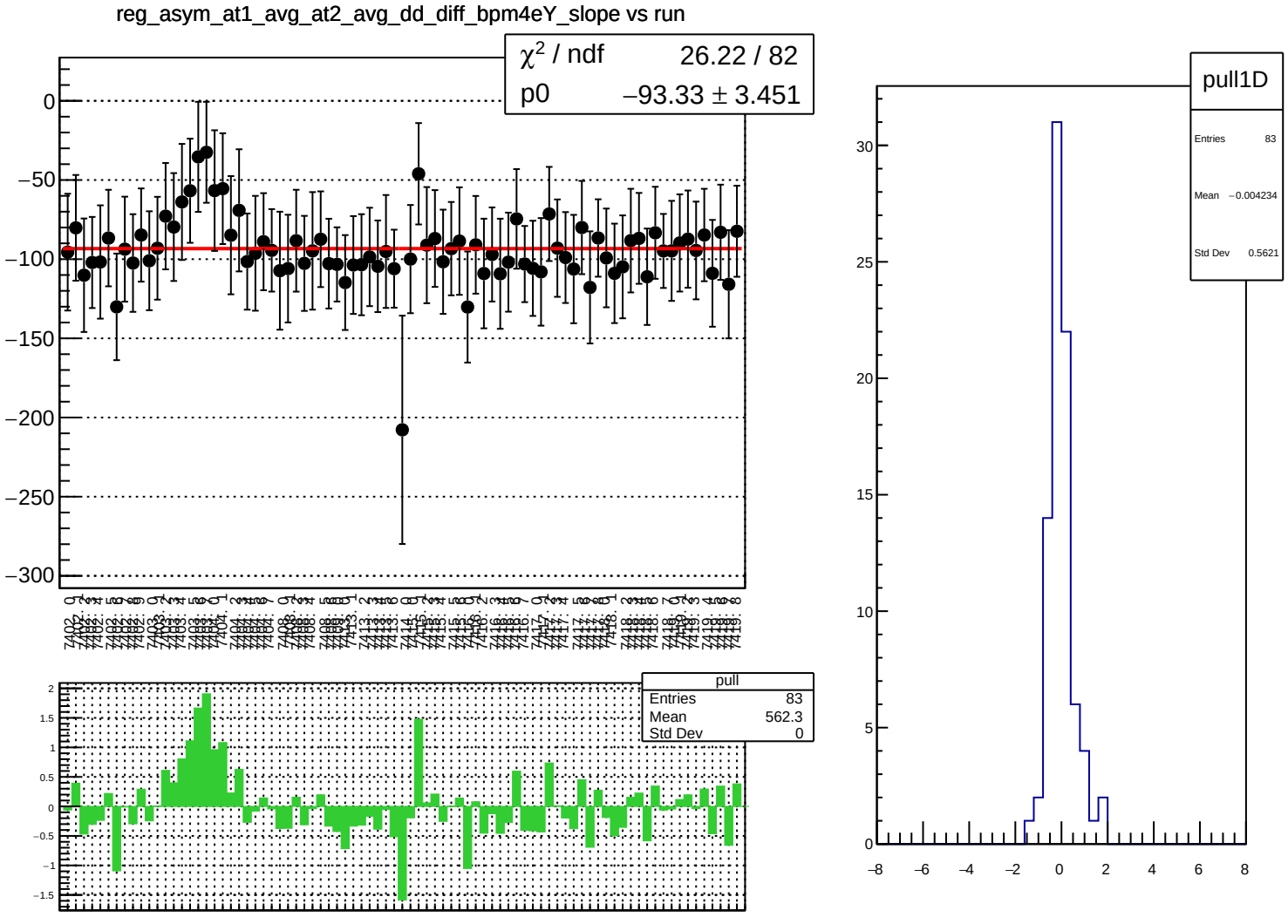

pull1D
Entries 83
Mean 0.005592
Std Dev 0.9022

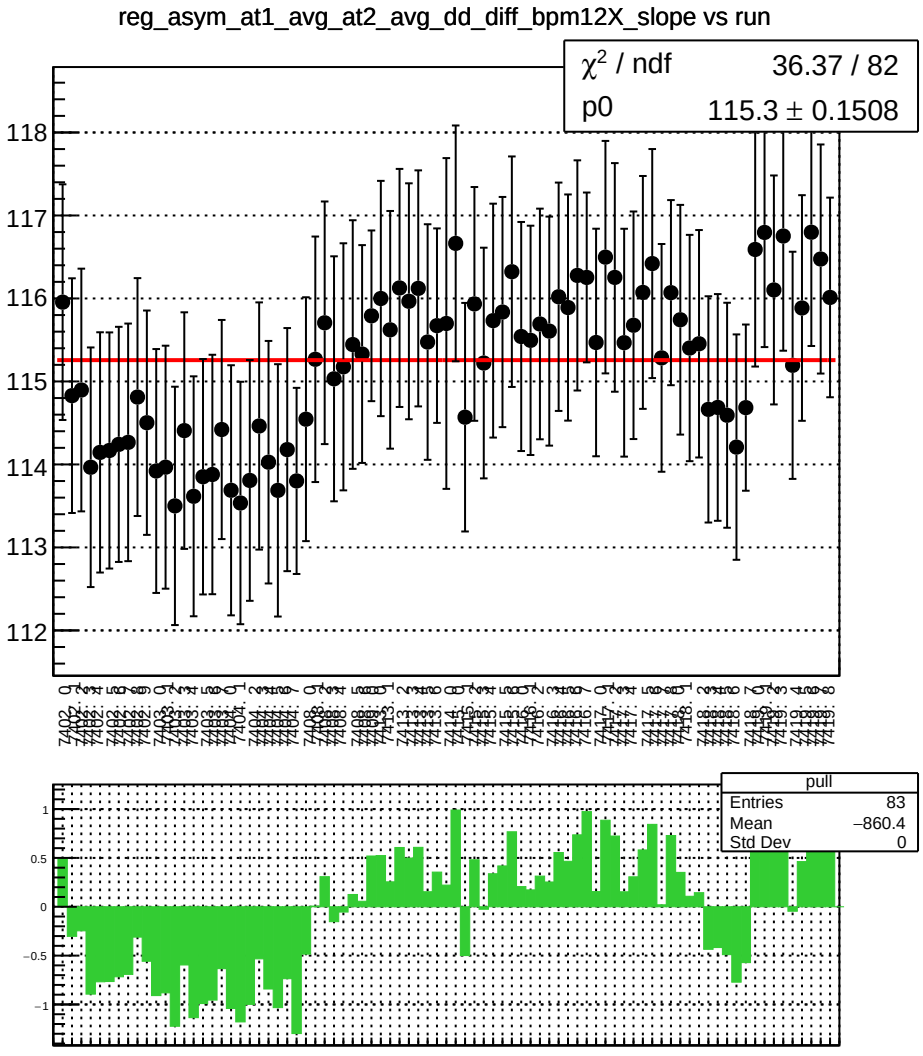

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 243.5 / 82
p0 13.7 ± 0.04567
pull
Entries 83
Mean −1580
Std Dev 0
pull1D
Entries 83
Mean −0.01123
Std Dev 1.713

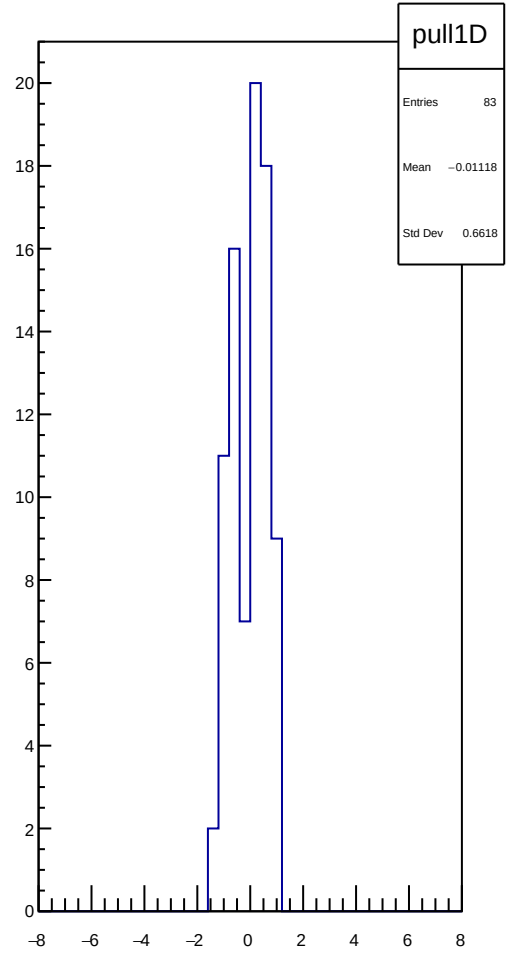

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 62.09 / 82
p0 140.2 ± 3.277
pull
Entries 83
Mean −6.671
Std Dev 0
pull1D
Entries 83
Mean 0.08128
Std Dev 0.8611

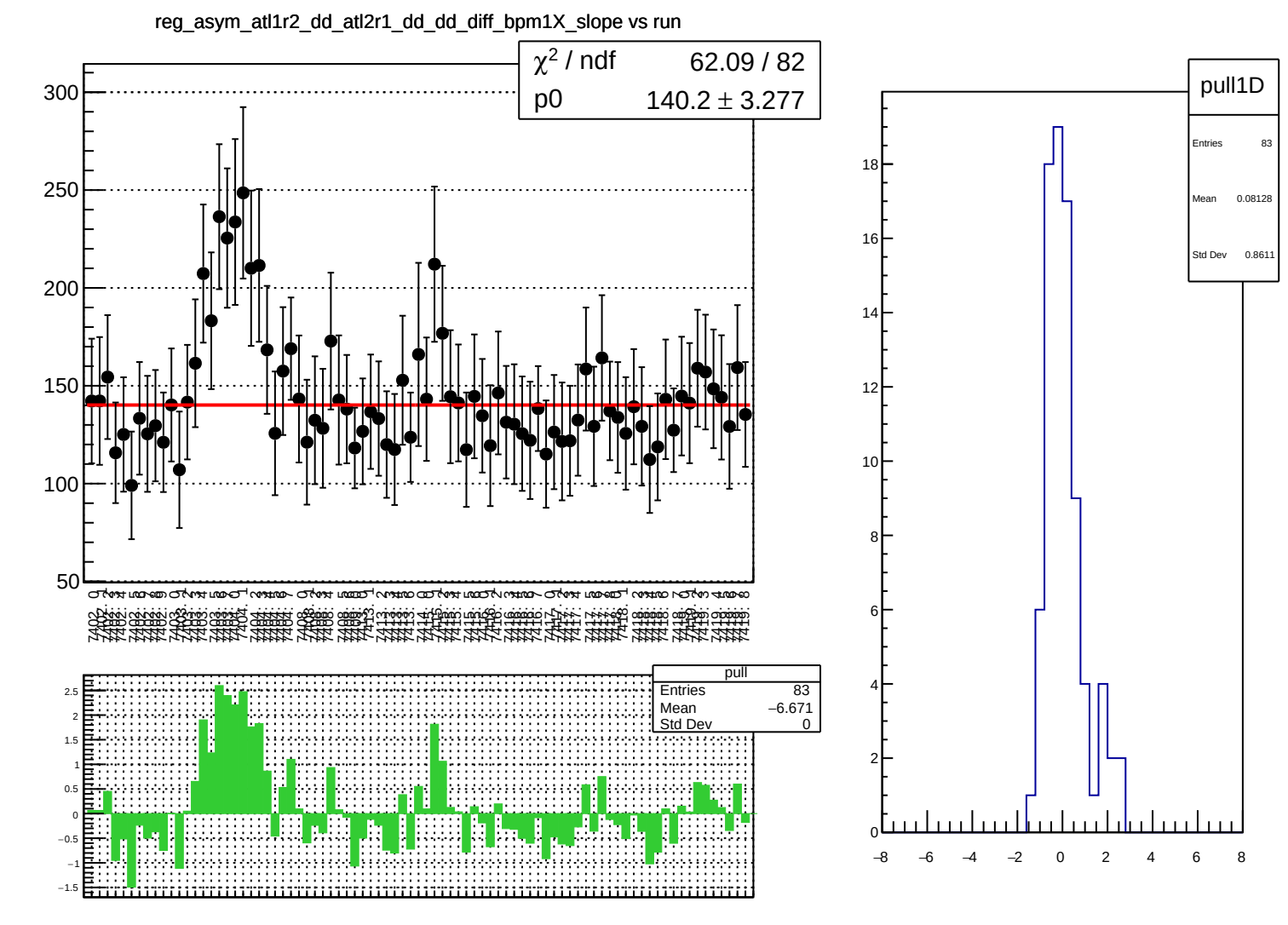

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.21 / 82
p0 28.14 ± 3.277
250
200
150
100
50
0
−50
pull
Entries 83
Mean 167.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.01187
Std Dev 0.5619
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

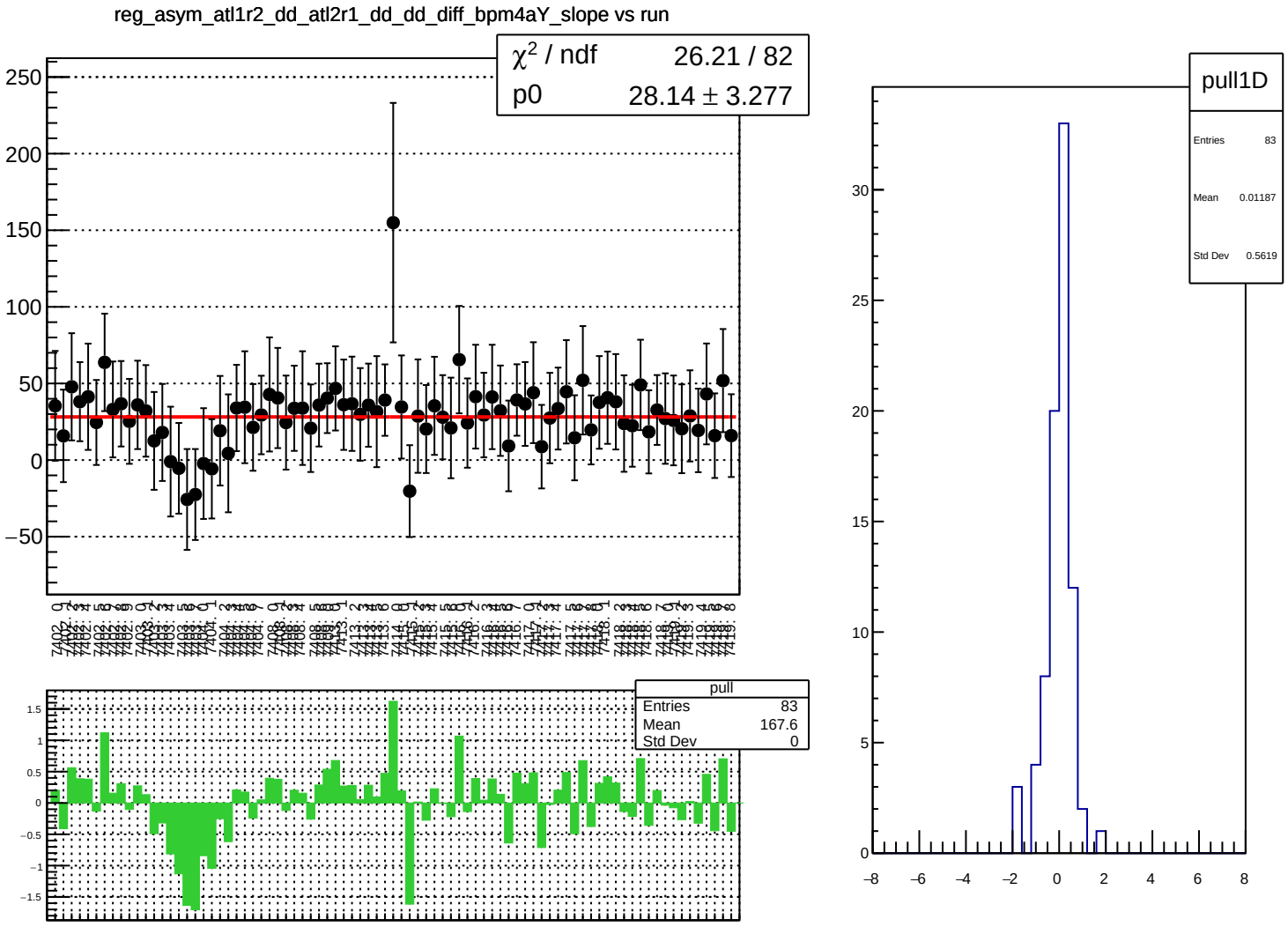

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 63.37 / 82
p0 −162.1 ± 3.381
−100
−150
−200
−250
−300
pull
Entries 83
Mean −7.398
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean −0.08548
Std Dev 0.8696
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

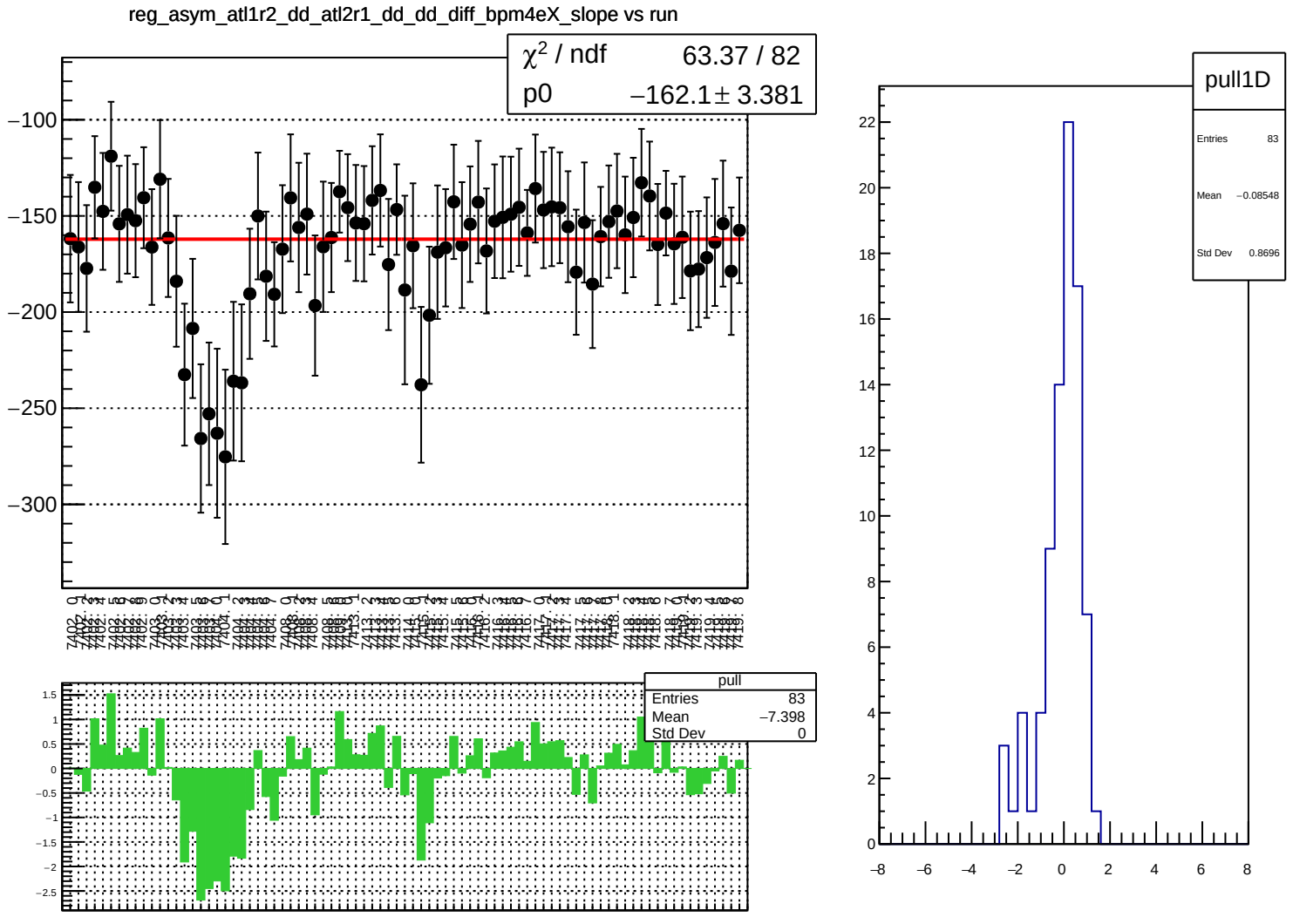

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.22 / 82
p0 −93.33 ± 3.451
pull
Entries 83
Mean 562.3
Std Dev 0
pull1D
Entries 83
Mean −0.004234
Std Dev 0.5621

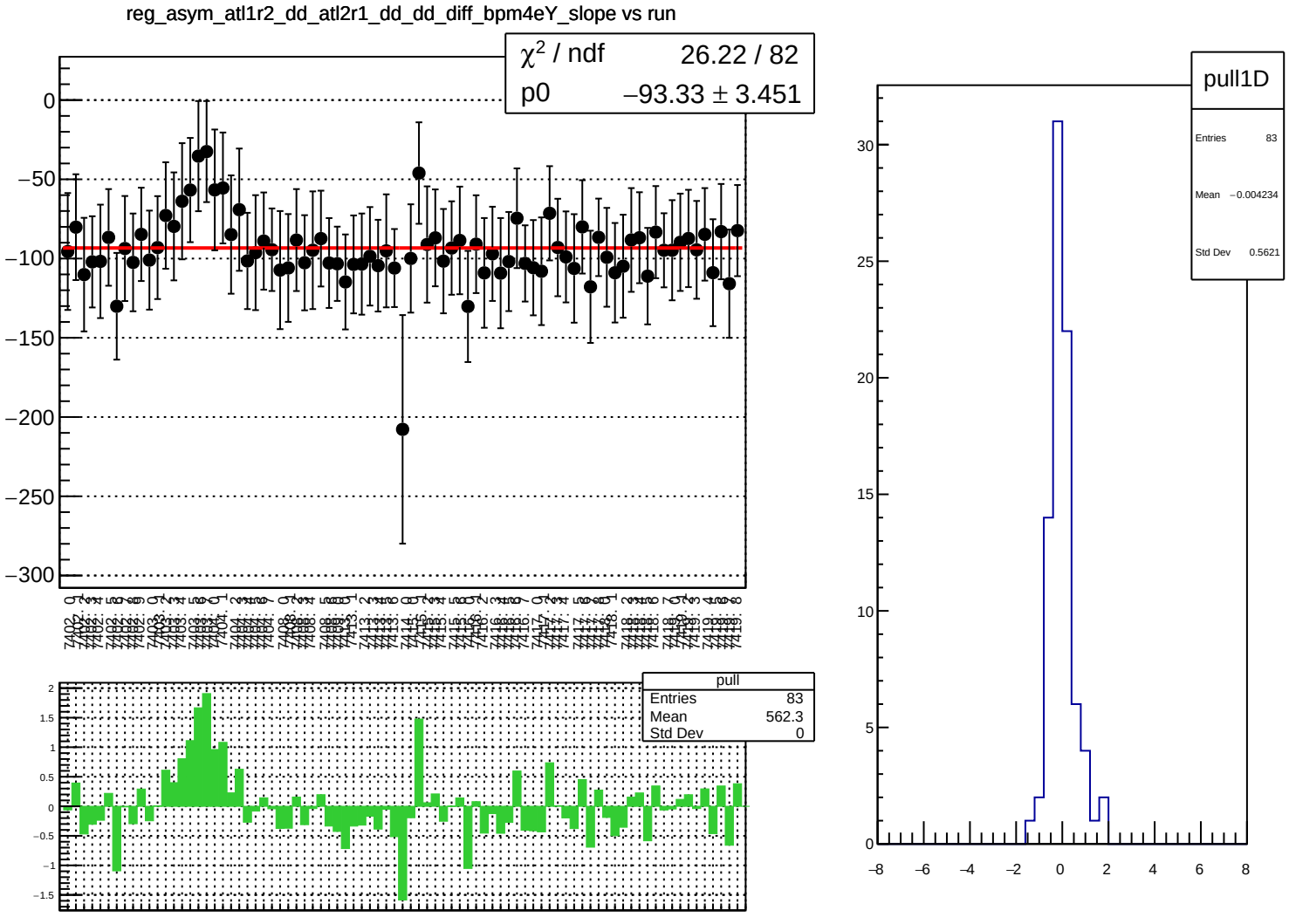

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 36.37 / 82
p0 115.3 ± 0.1508
118
117
116
115
114
113
112
pull
Entries 83
Mean −860.4
Std Dev 0
1
0.5
0
−0.5
−1

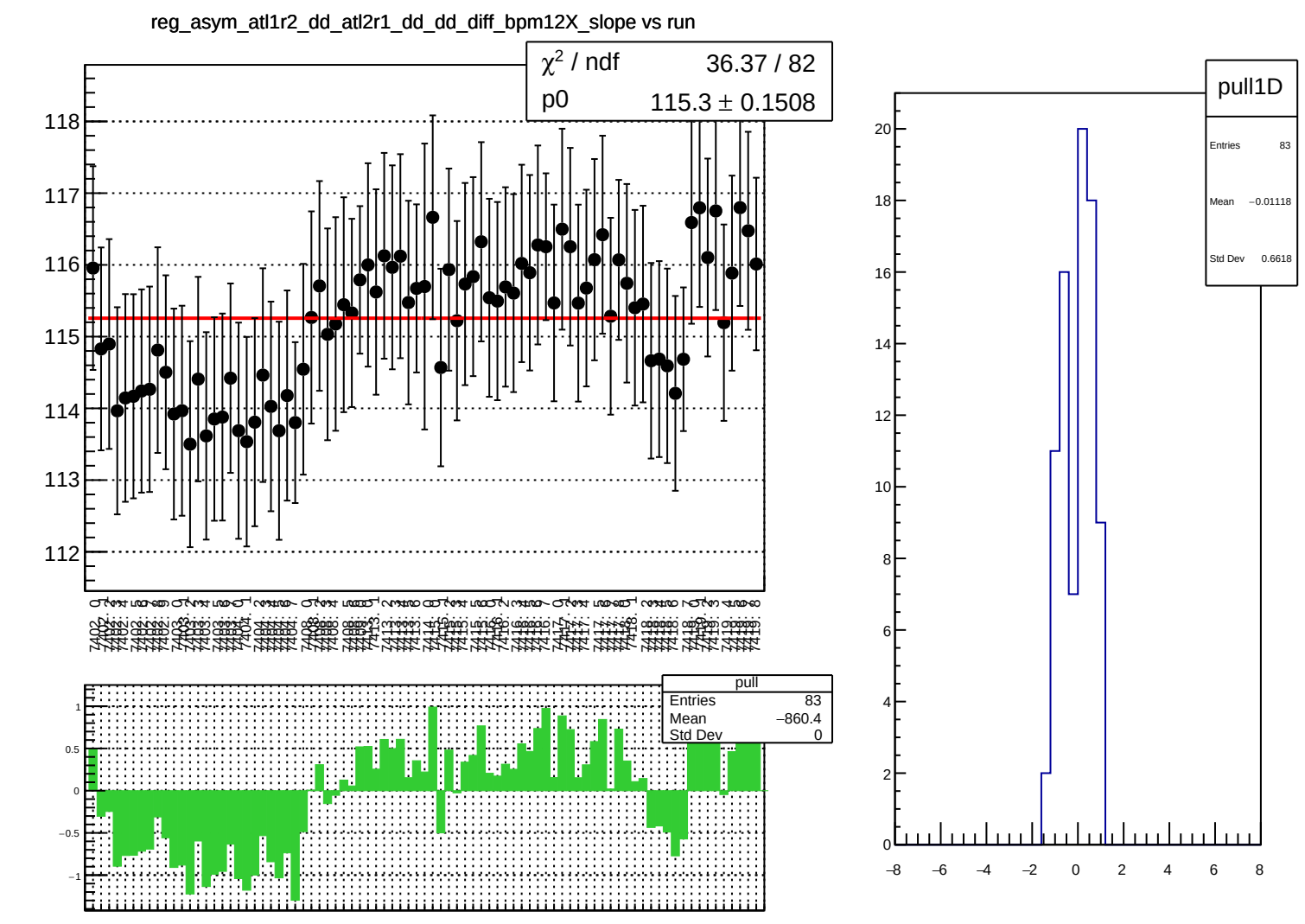

pull1D
Entries 83
Mean −0.01118
Std Dev 0.6618
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

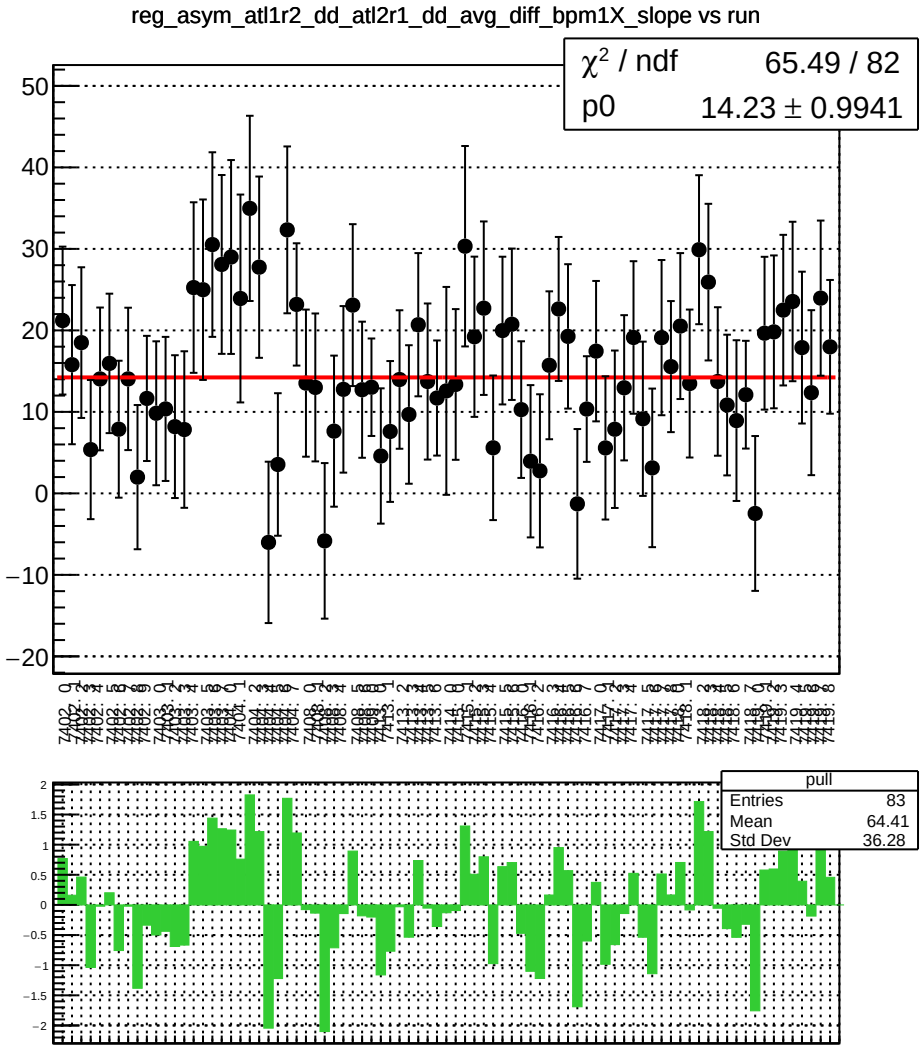

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 62.09 / 82
p0 140.2 ± 3.277
pull
Entries 83
Mean −6.671
Std Dev 0
pull1D
Entries 83
Mean 0.08128
Std Dev 0.8611

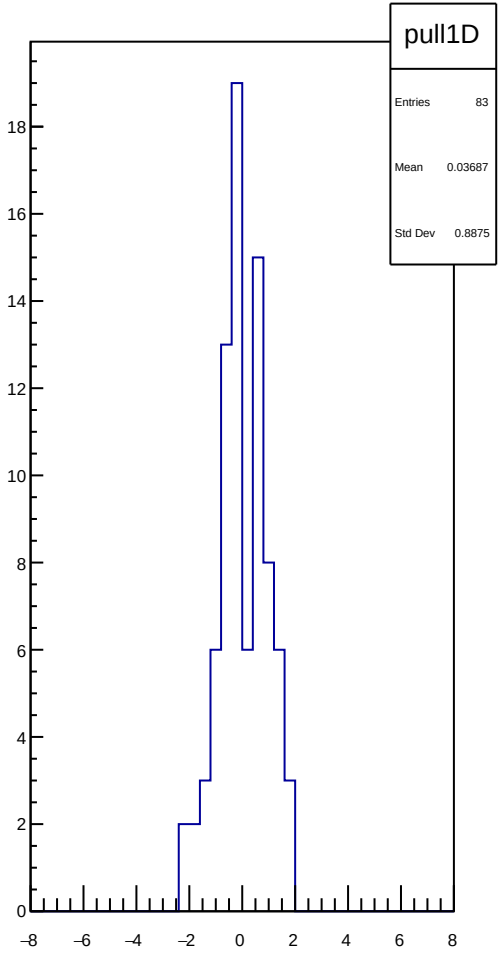

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.21 / 82
p0 28.14 ± 3.277
250
200
150
100
50
0
−50
pull
Entries 83
Mean 167.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.01187
Std Dev 0.5619
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

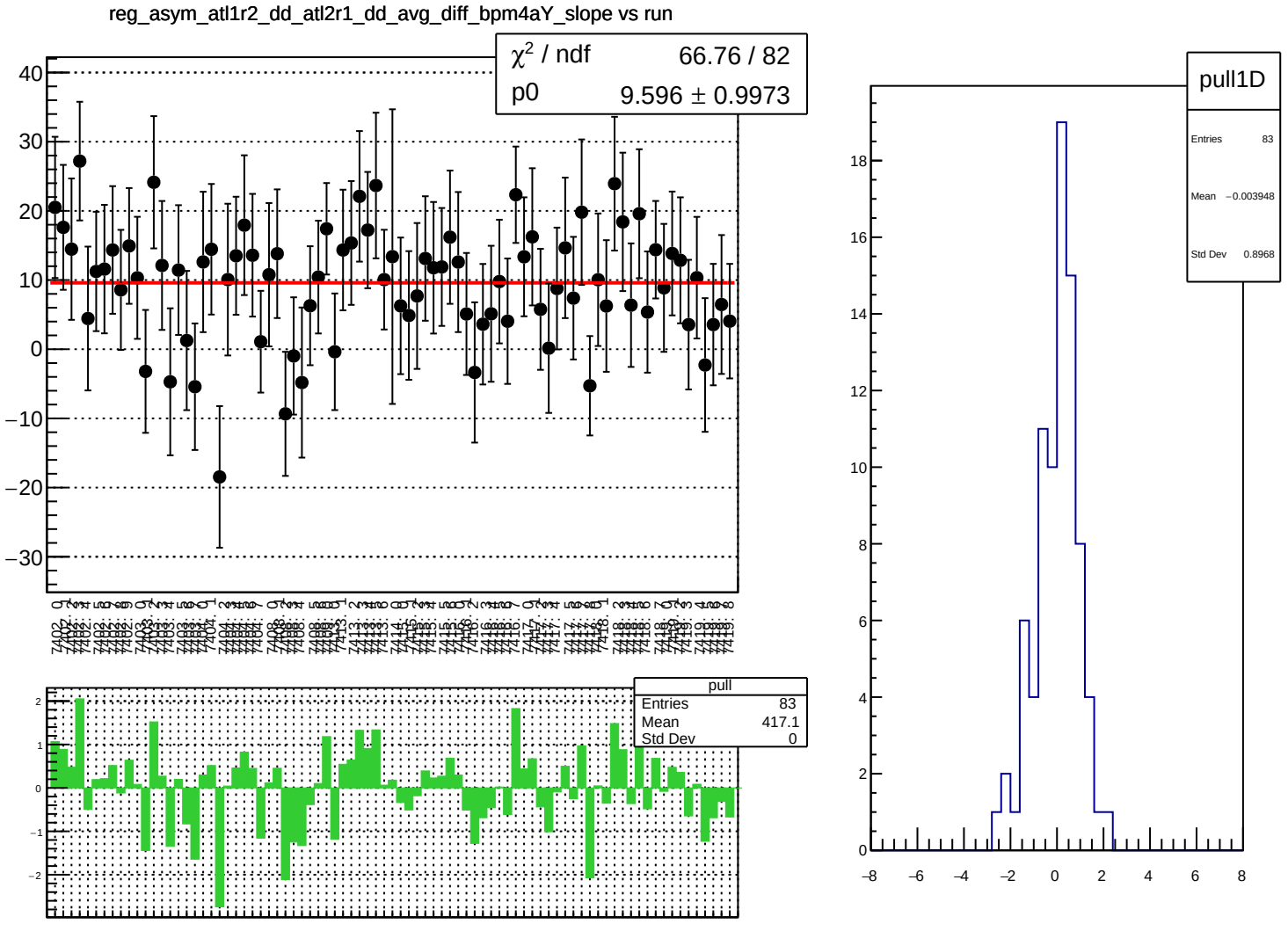

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.37 / 82
p0 −162.1 ± 3.381
−100
−150
−200
−250
−300
pull
Entries 83
Mean −7.398
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean −0.08548
Std Dev 0.8696
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

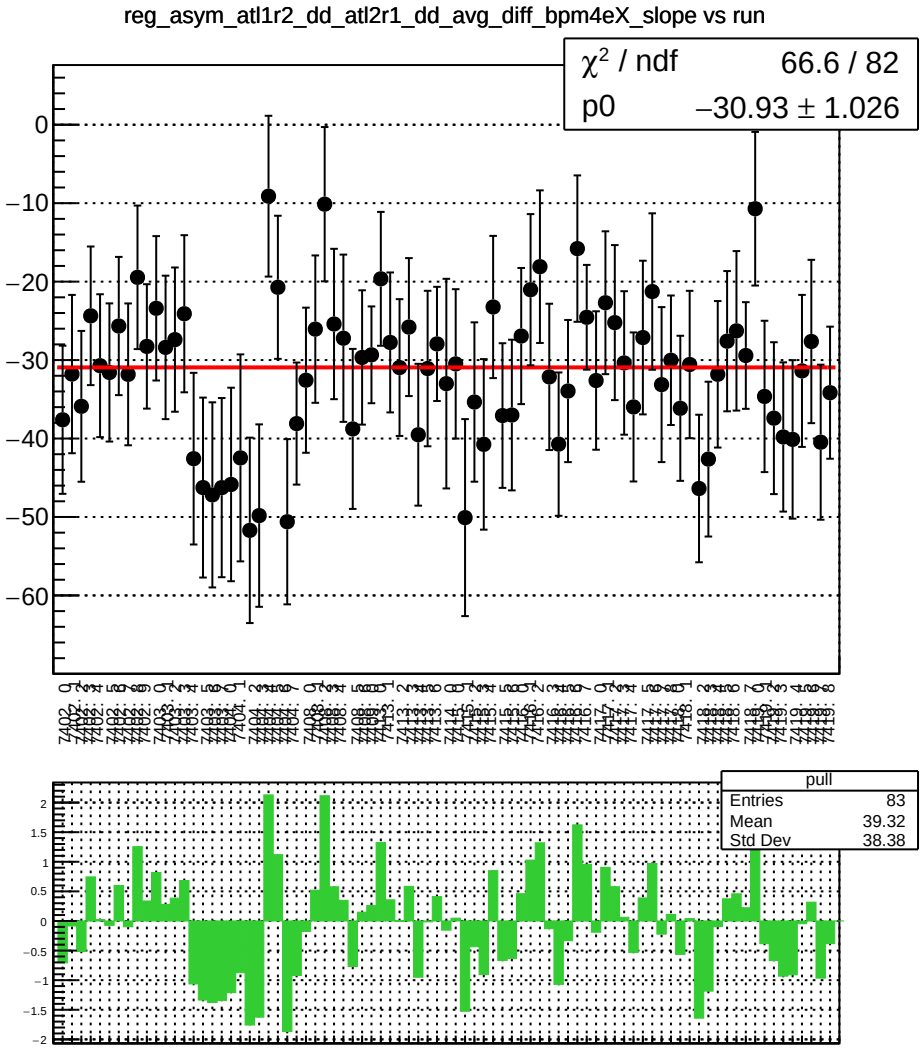

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.22 / 82
p0 −93.33 ± 3.451
pull
Entries 83
Mean 562.3
Std Dev 0
pull1D
Entries 83
Mean −0.004234
Std Dev 0.5621

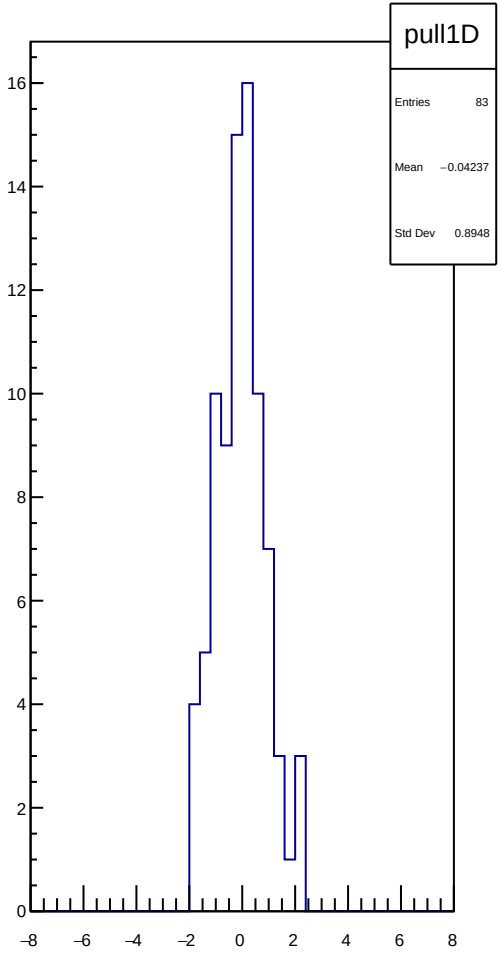

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 36.37 / 82
p0 115.3 ± 0.1508
pull
Entries 83
Mean −860.4
Std Dev 0
pull1D
Entries 83
Mean −0.01118
Std Dev 0.6618

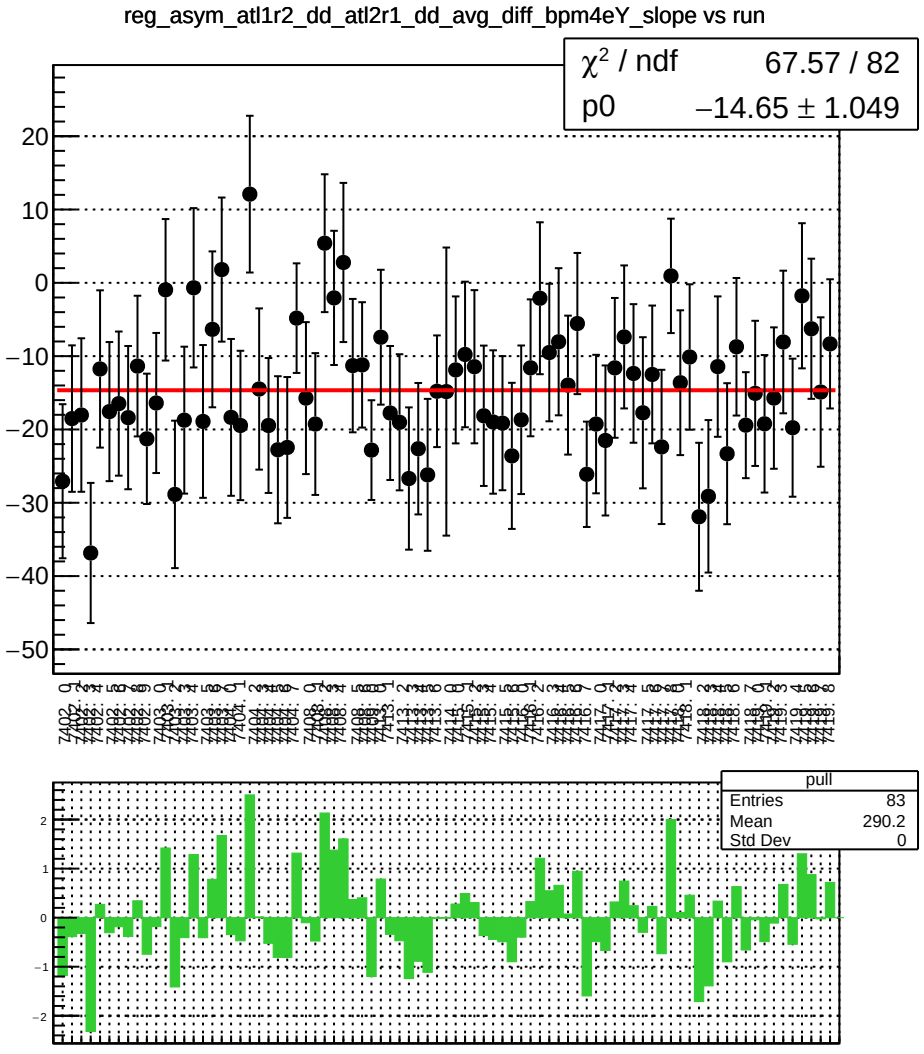

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 65.49 / 82
p0 14.23 ± 0.9941
pull
Entries 83
Mean 64.41
Std Dev 36.28

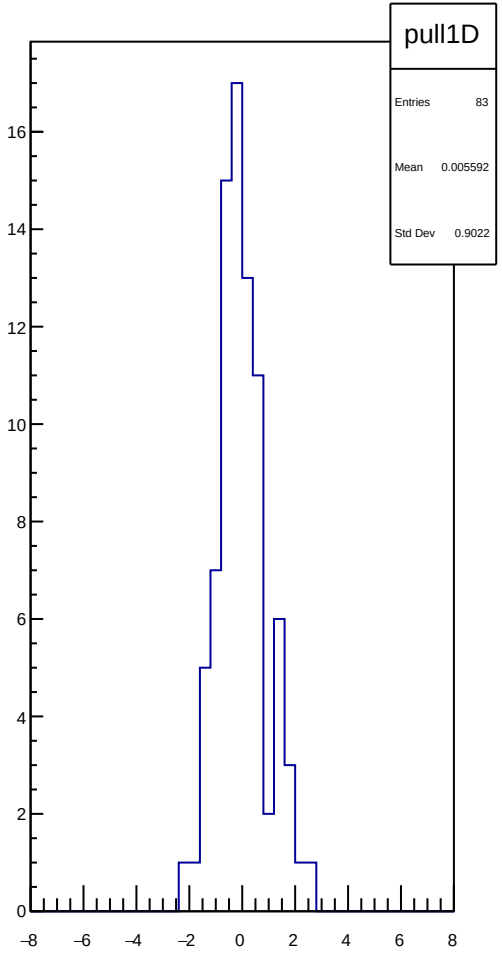

pull1D
Entries 83
Mean 0.03687
Std Dev 0.8875

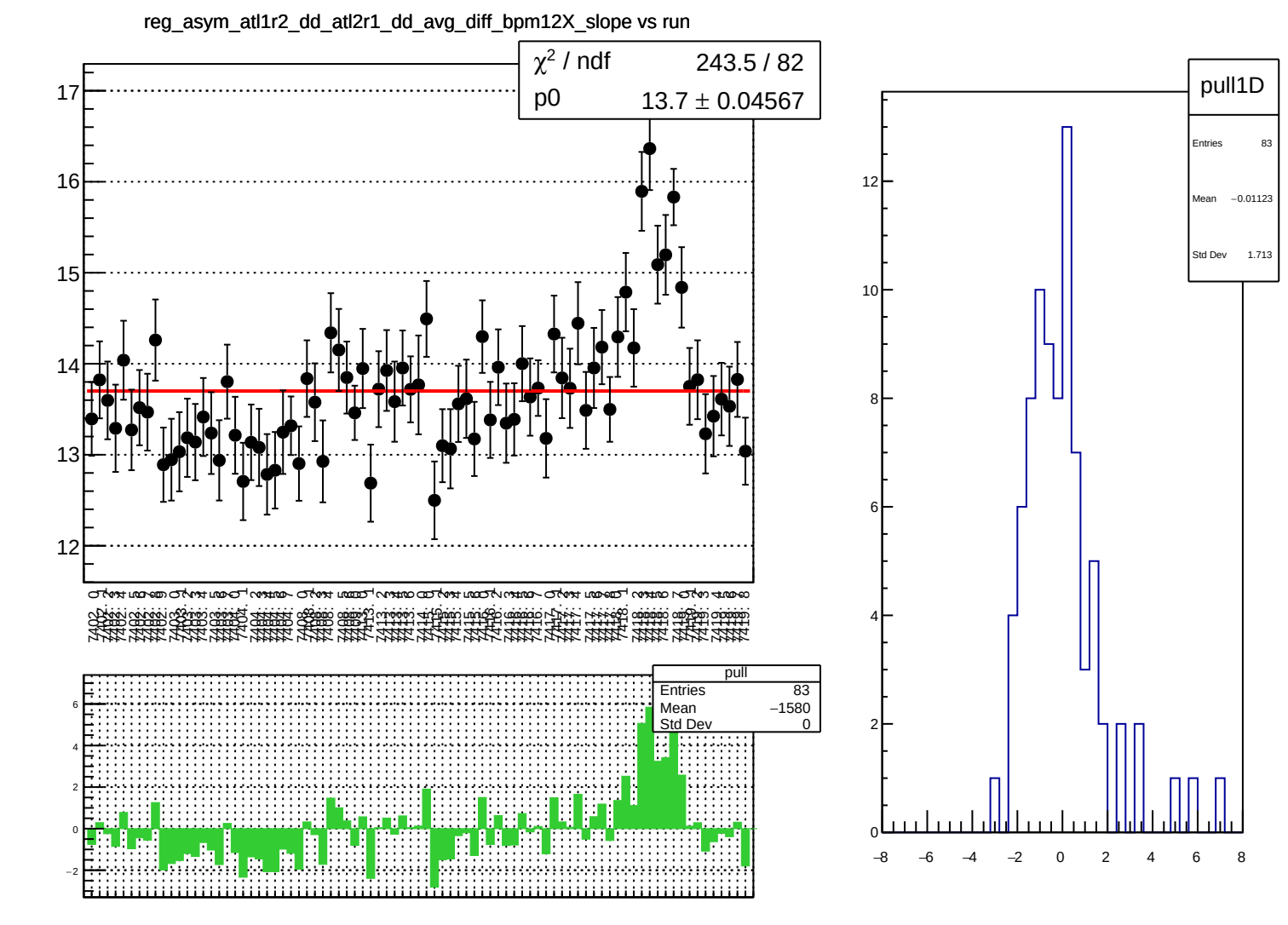

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.76 / 82
p0 9.596 ± 0.9973
pull
Entries 83
Mean 417.1
Std Dev 0
pull1D
Entries 83
Mean −0.003948
Std Dev 0.8968

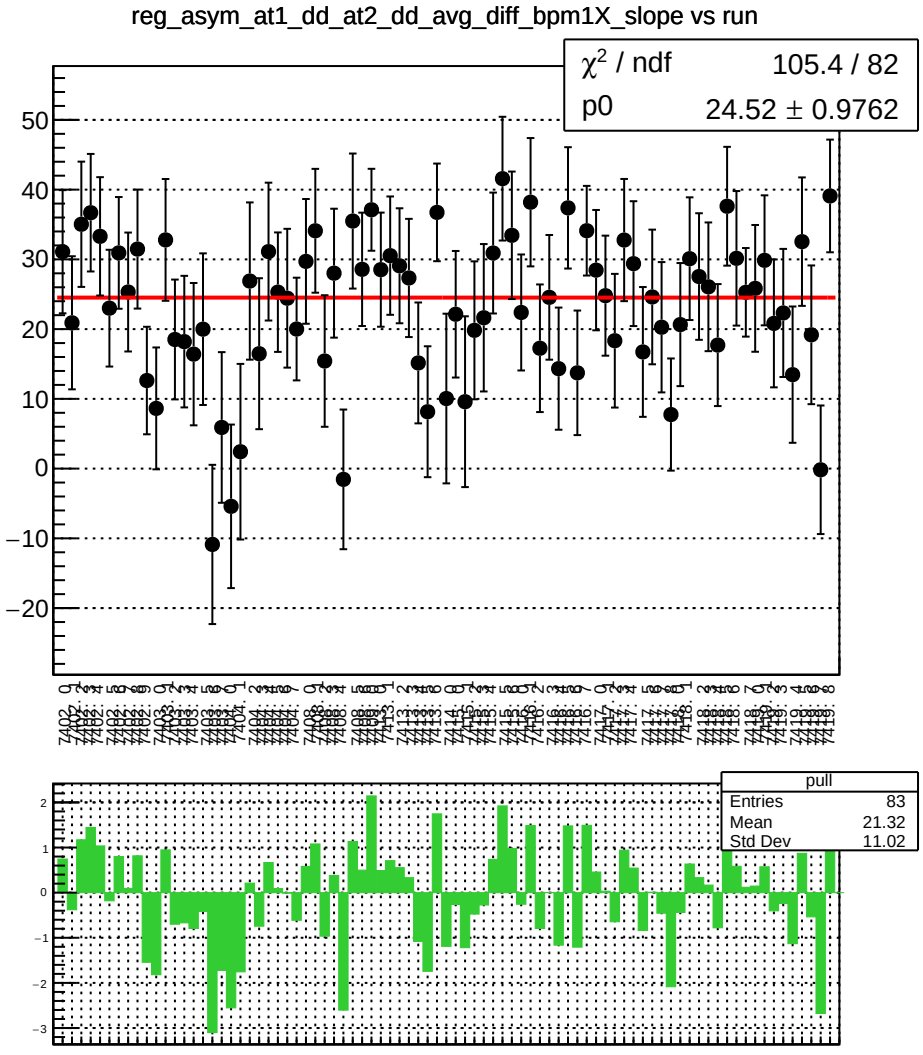

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 66.6 / 82
p0 −30.93 ± 1.026
pull
Entries 83
Mean 39.32
Std Dev 38.38

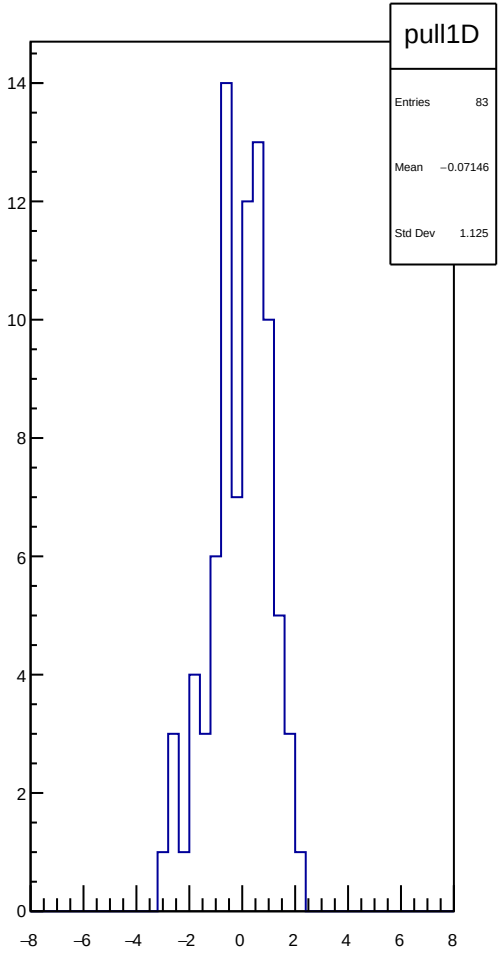

pull1D
Entries 83
Mean −0.04237
Std Dev 0.8948

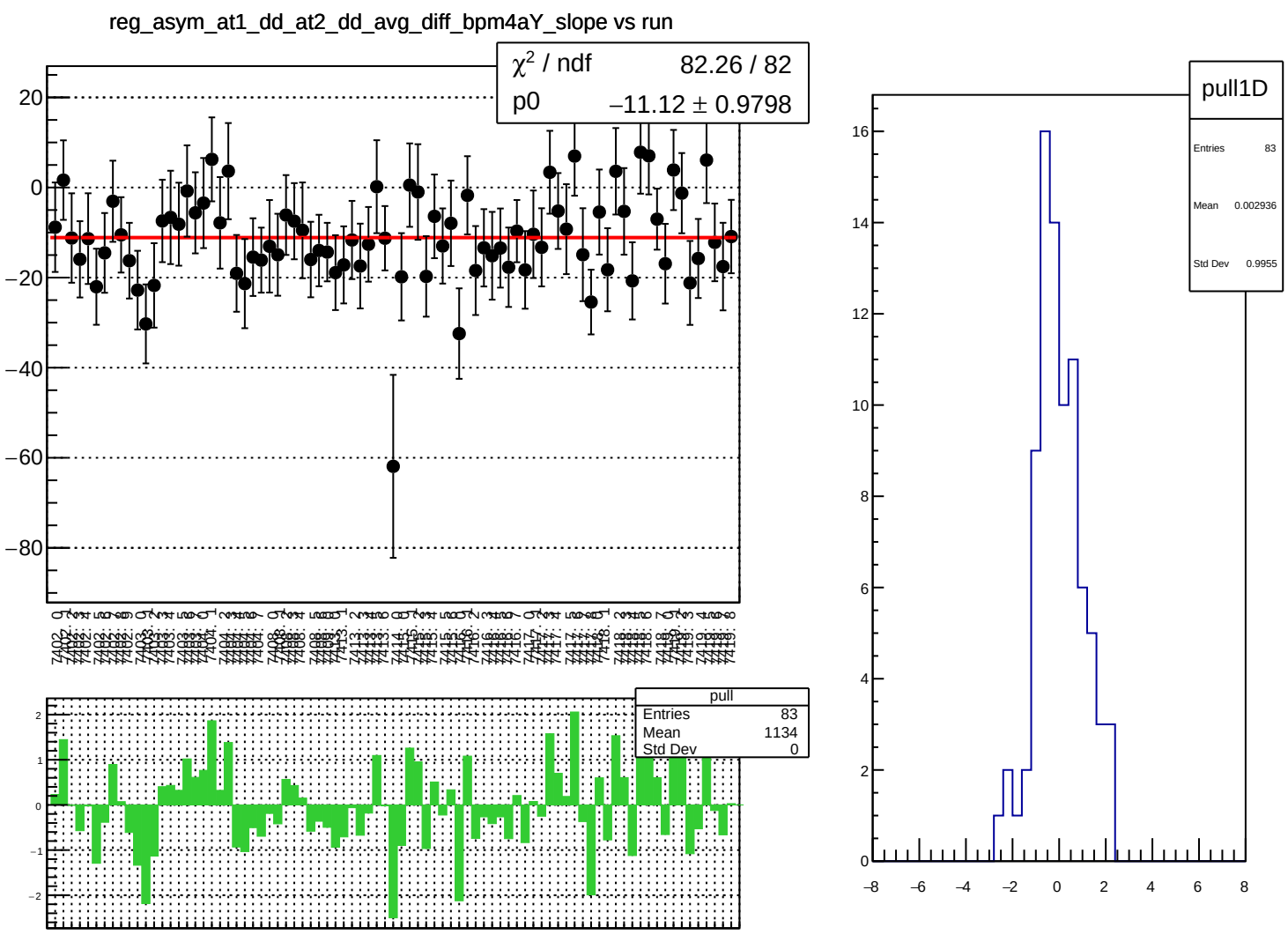

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.57 / 82
p0 −14.65 ± 1.049
pull
Entries 83
Mean 290.2
Std Dev 0

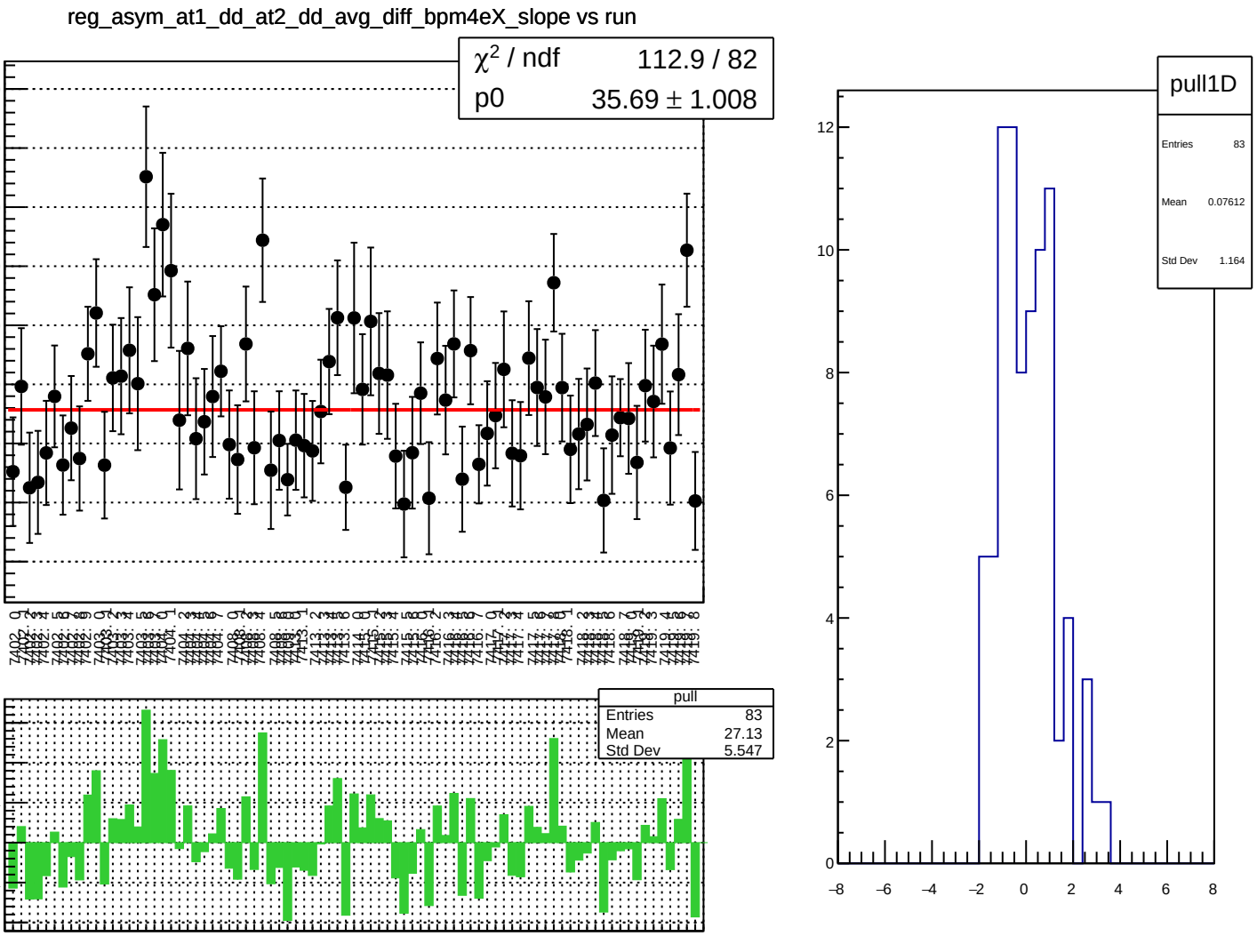

pull1D
Entries 83
Mean 0.005592
Std Dev 0.9022

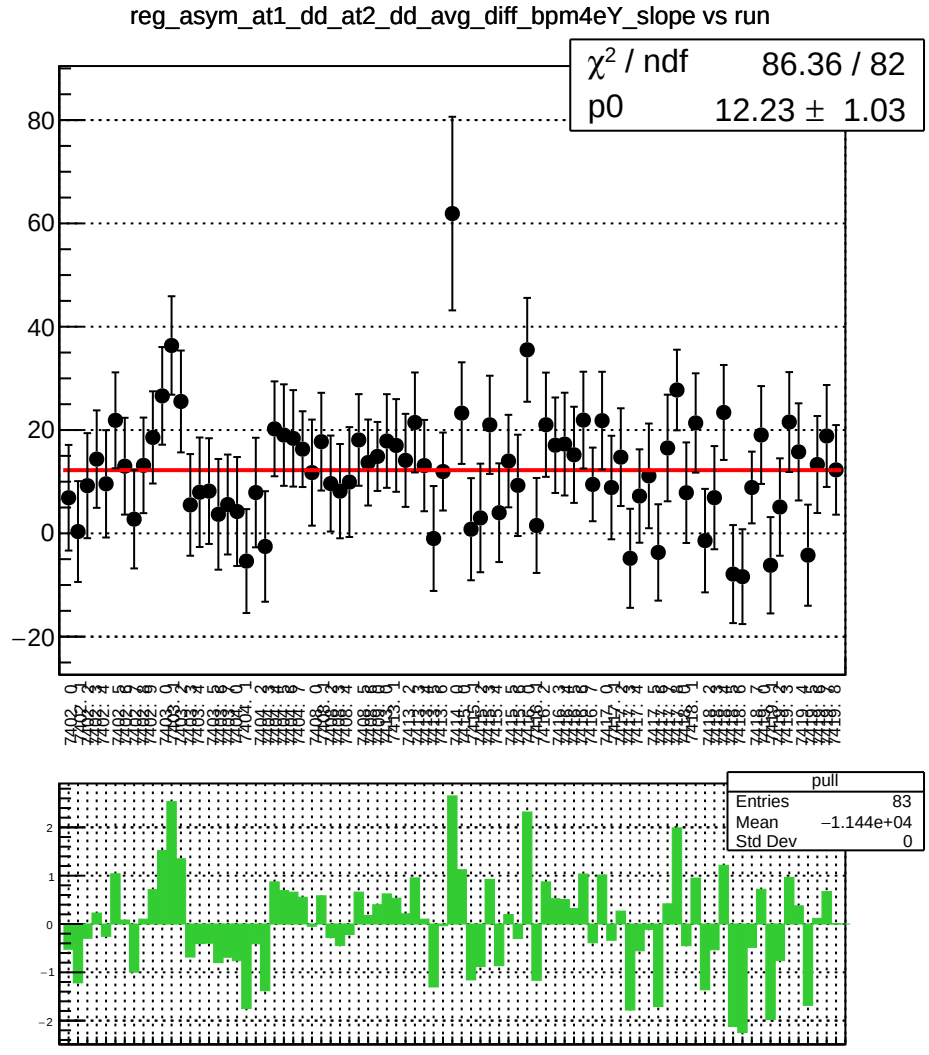

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 243.5 / 82
p0 13.7 ± 0.04567
pull
Entries 83
Mean −1580
Std Dev 0
pull1D
Entries 83
Mean −0.01123
Std Dev 1.713

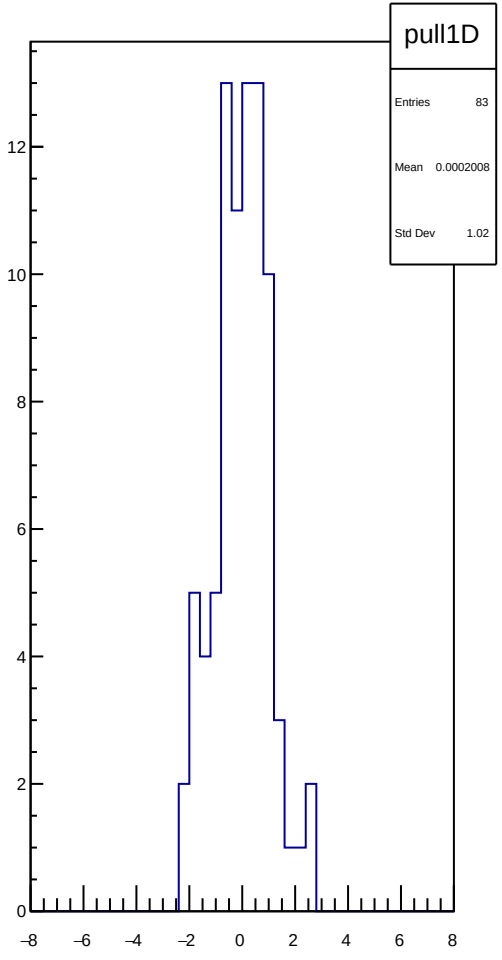

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 105.4 / 82
p0 24.52 ± 0.9762
pull
Entries 83
Mean 21.32
Std Dev 11.02

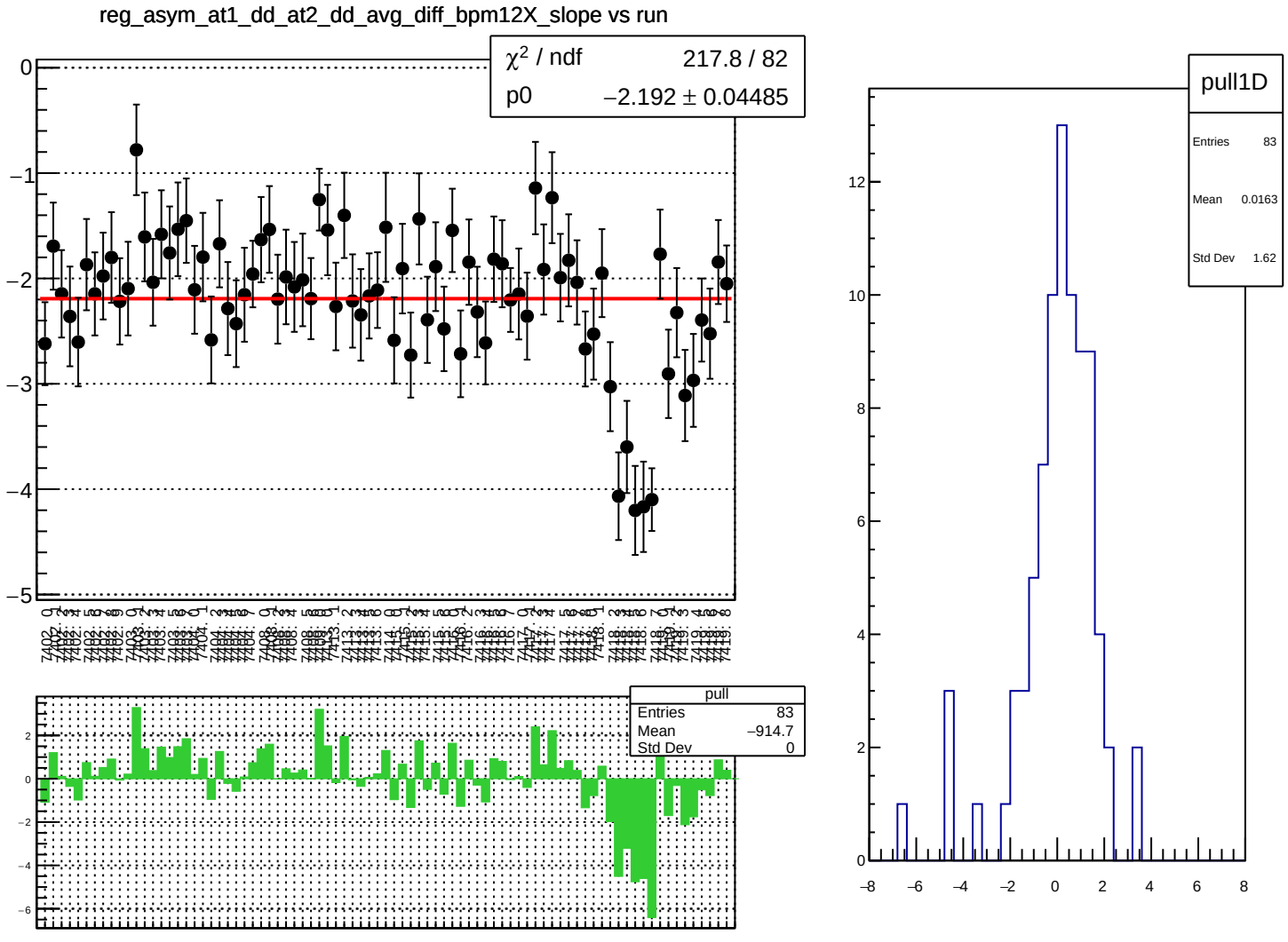

pull1D
Entries 83
Mean −0.07146
Std Dev 1.125

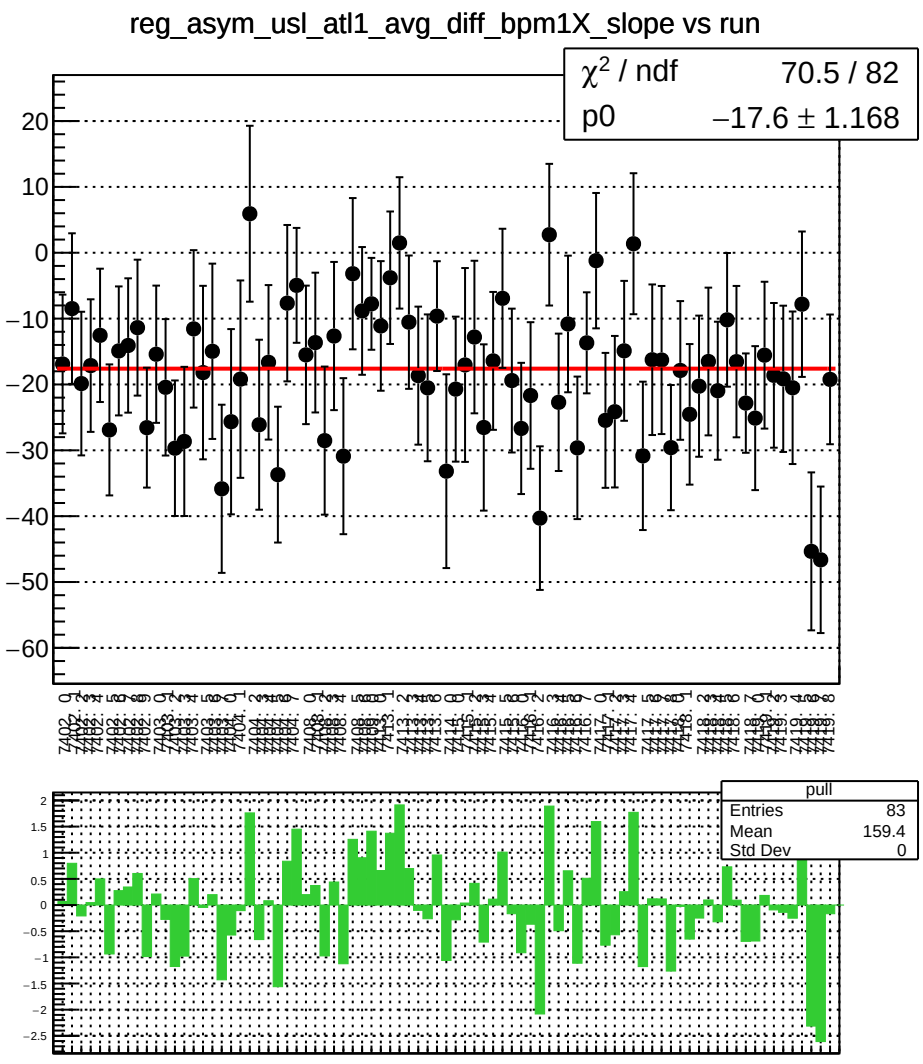

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.26 / 82
p0 −11.12 ± 0.9798
20
0
−20
−40
−60
−80
pull
Entries 83
Mean 1134
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.002936
Std Dev 0.9955
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

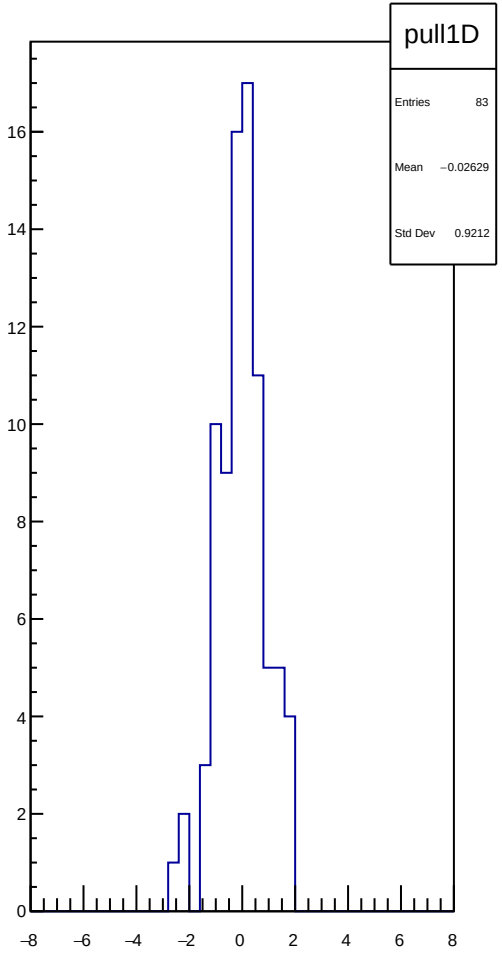

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 112.9 / 82
p0 35.69 ± 1.008
pull
Entries 83
Mean 27.13
Std Dev 5.547
pull1D
Entries 83
Mean 0.07612
Std Dev 1.164

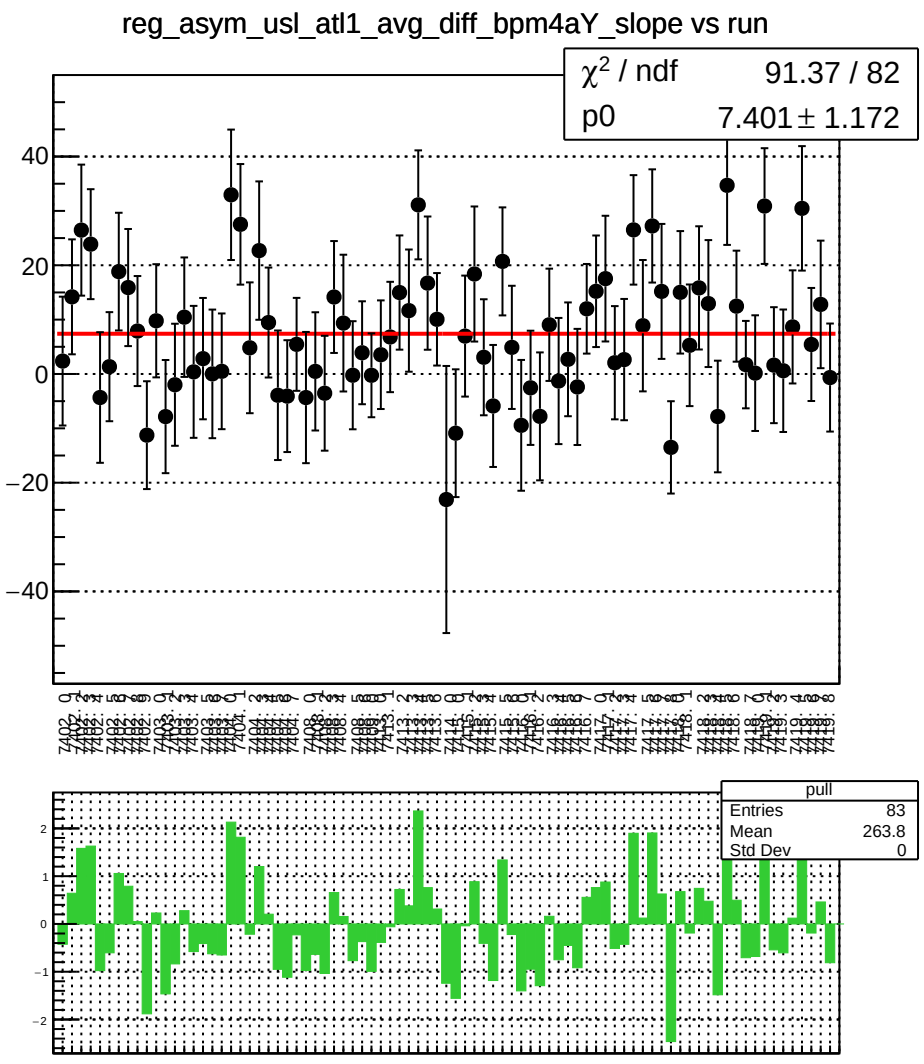

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.36 / 82
p0 12.23 ± 1.03
pull
Entries 83
Mean −1.144e+04
Std Dev 0

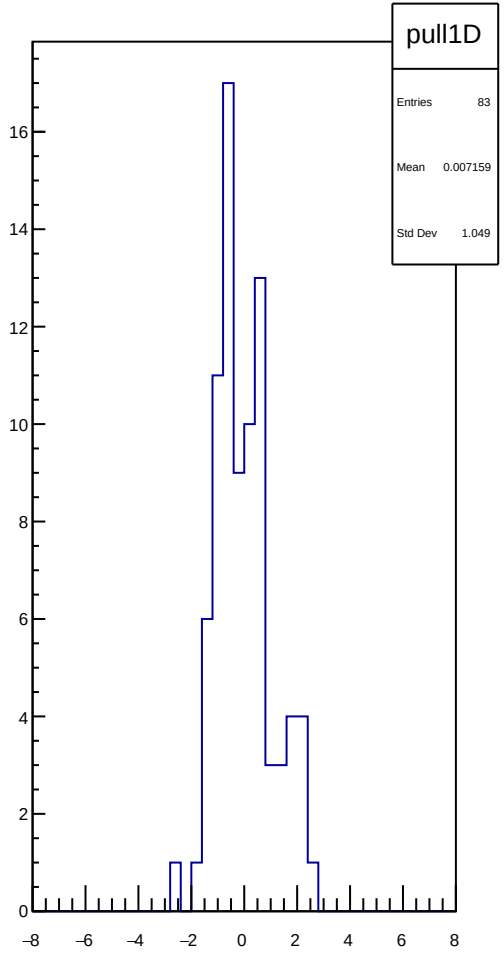

pull1D
Entries 83
Mean 0.0002008
Std Dev 1.02

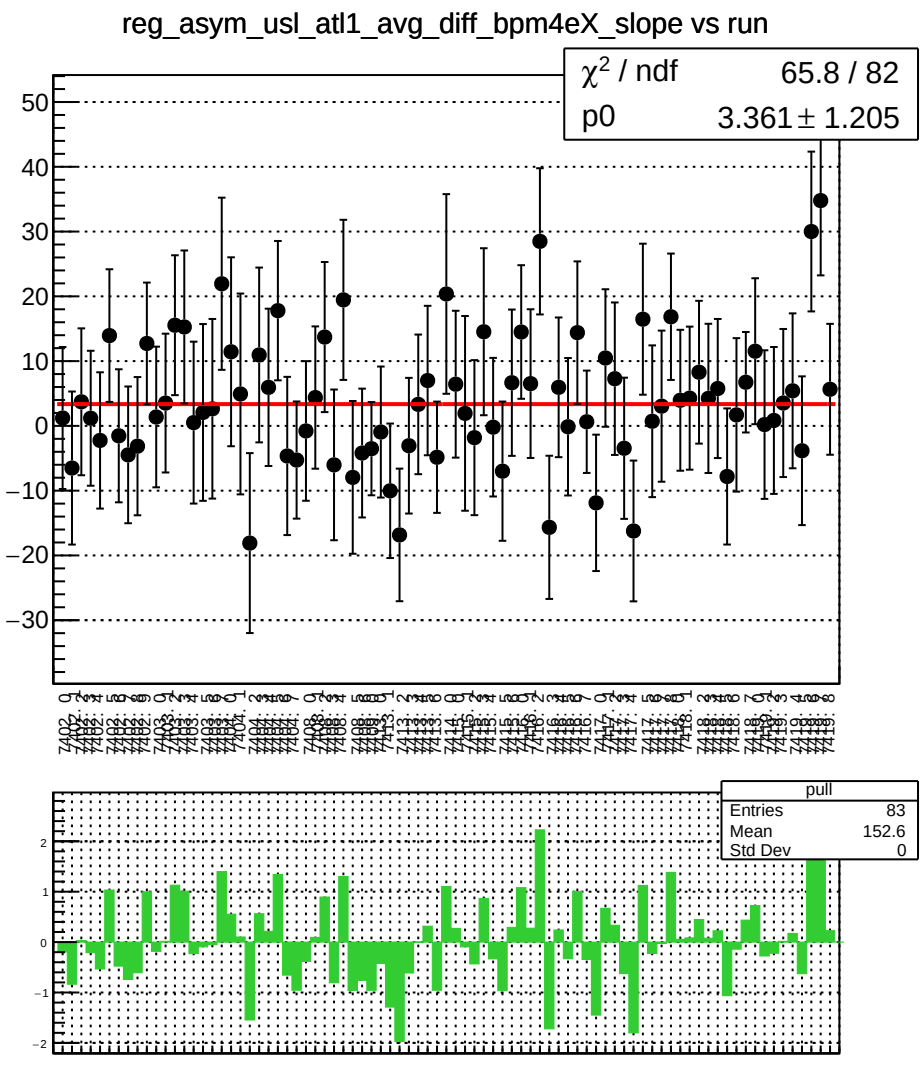

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 217.8 / 82
p0 −2.192 ± 0.04485
pull
Entries 83
Mean −914.7
Std Dev 0
pull1D
Entries 83
Mean 0.0163
Std Dev 1.62

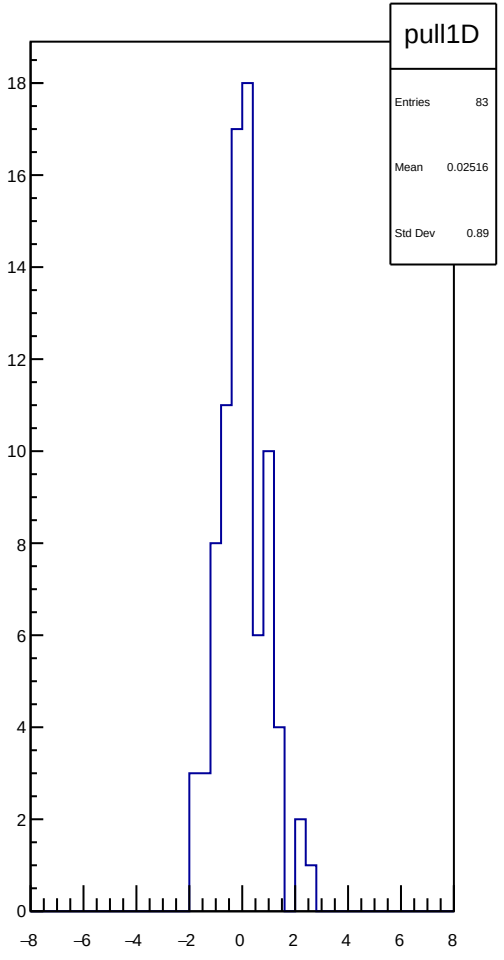

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 70.5 / 82
p0 −17.6 ± 1.168
pull
Entries 83
Mean 159.4
Std Dev 0

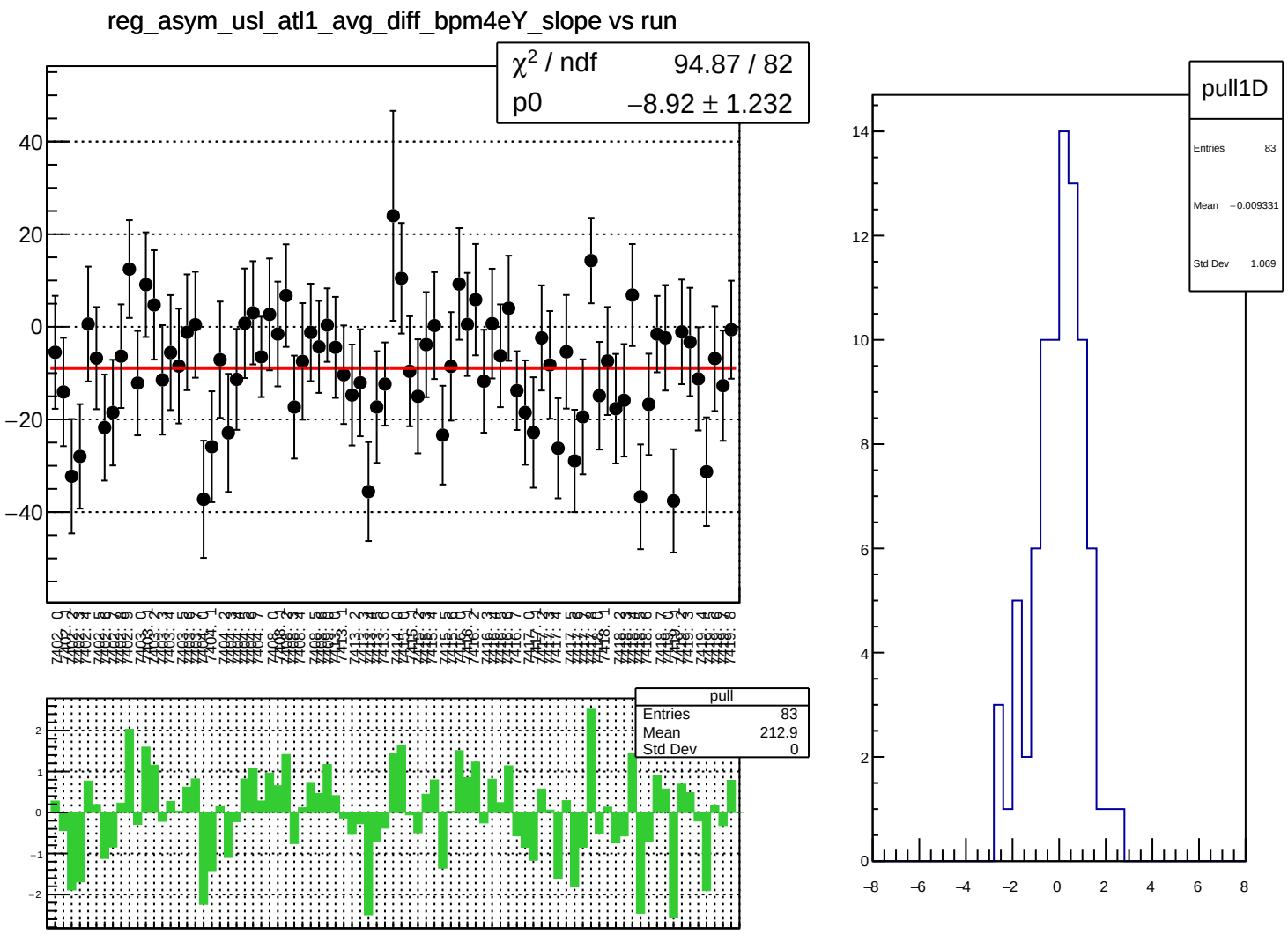

pull1D
Entries 83
Mean −0.02629
Std Dev 0.9212

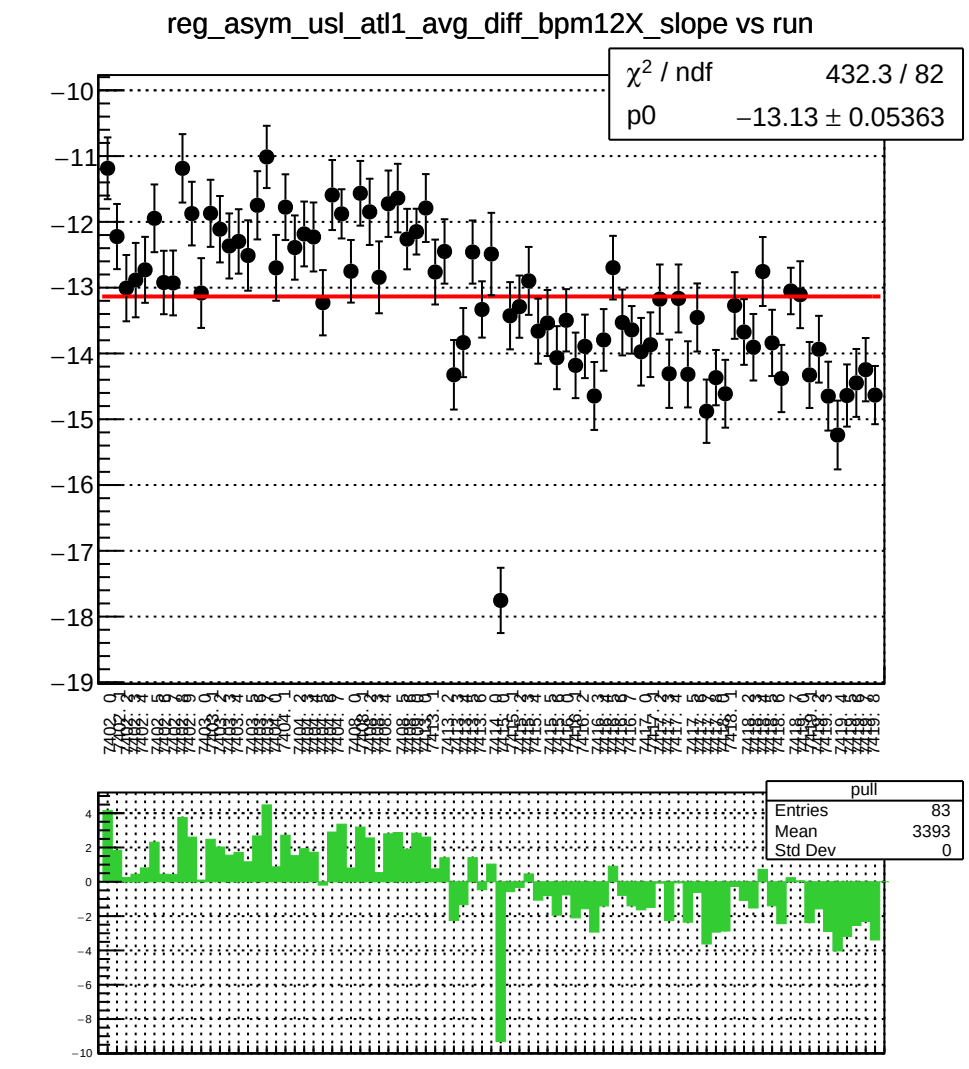

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 91.37 / 82
p0 7.401 ± 1.172
40
20
0
−20
−40
pull
Entries 83
Mean 263.8
Std Dev 0
2
1
0
−1
−2

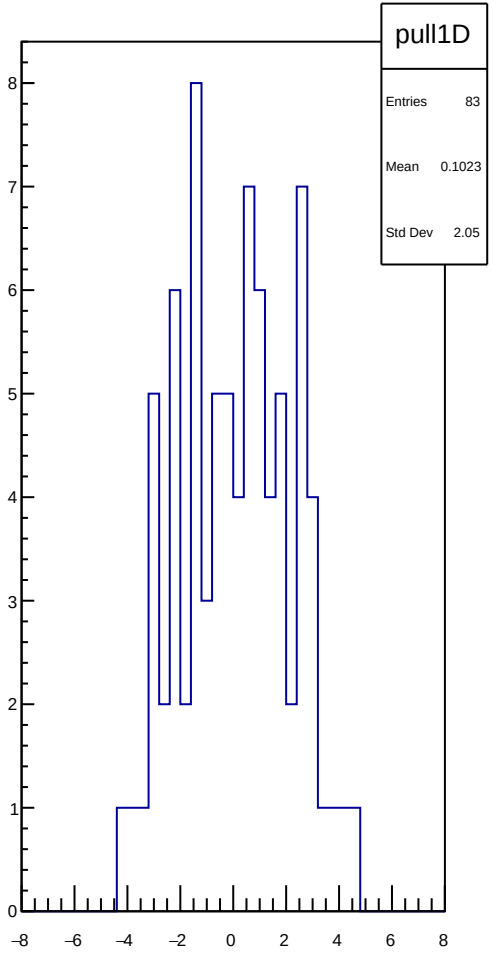

pull1D
Entries 83
Mean 0.007159
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

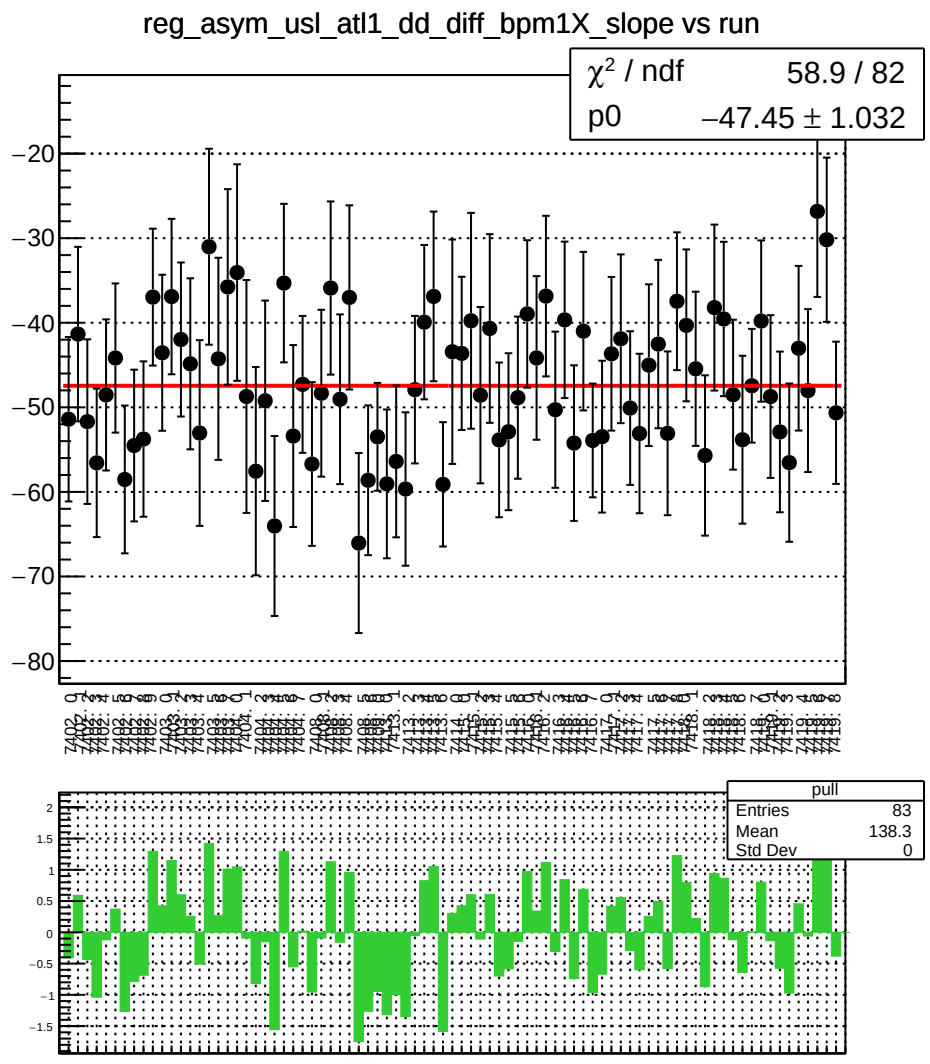

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.8 / 82
p0 3.361 ± 1.205
pull
Entries 83
Mean 152.6
Std Dev 0

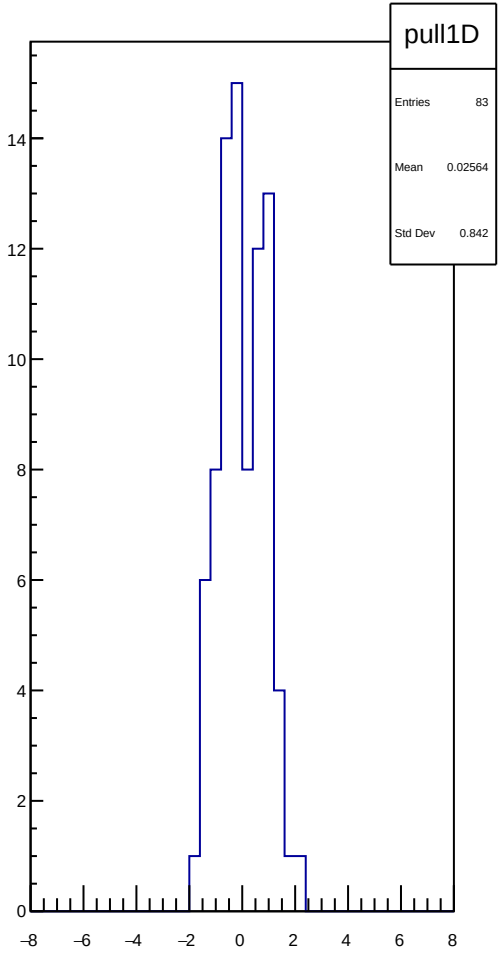

pull1D
Entries 83
Mean 0.02516
Std Dev 0.89

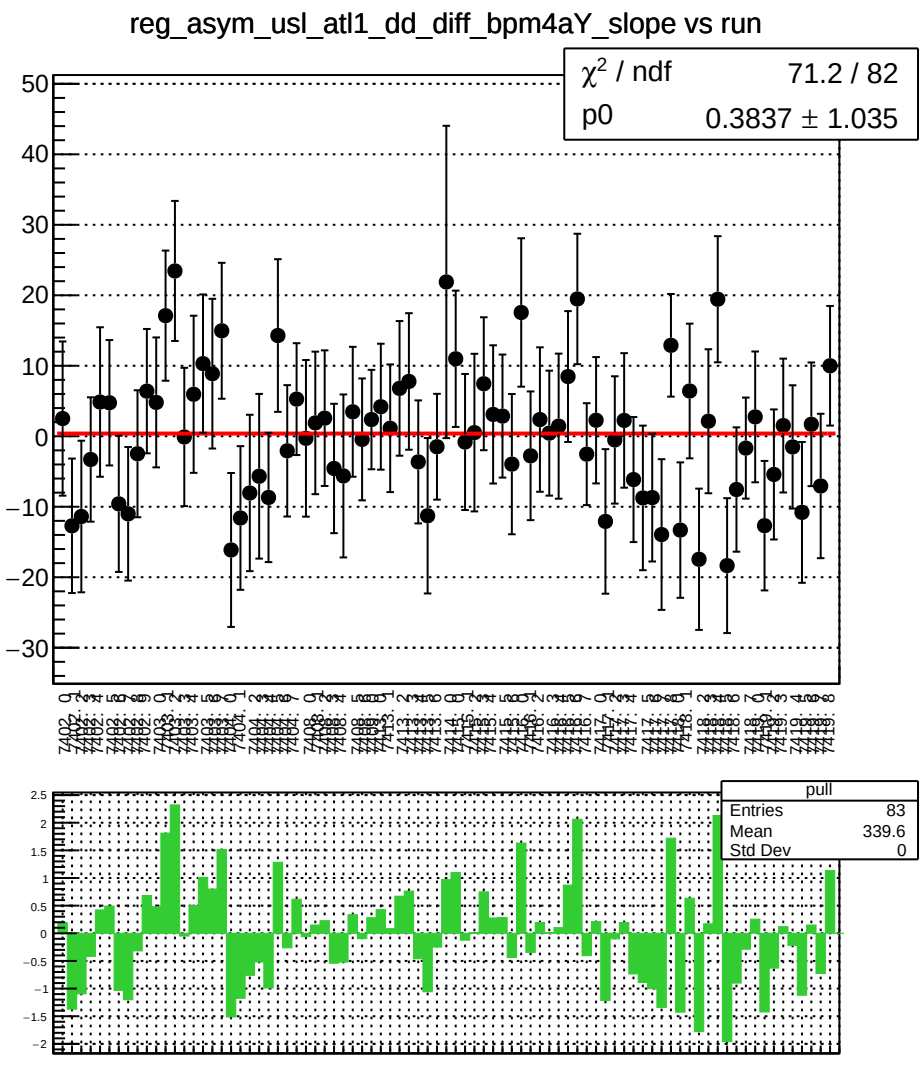

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 94.87 / 82
p0 −8.92 ± 1.232
40
20
0
−20
−40
pull
Entries 83
Mean 212.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.009331
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

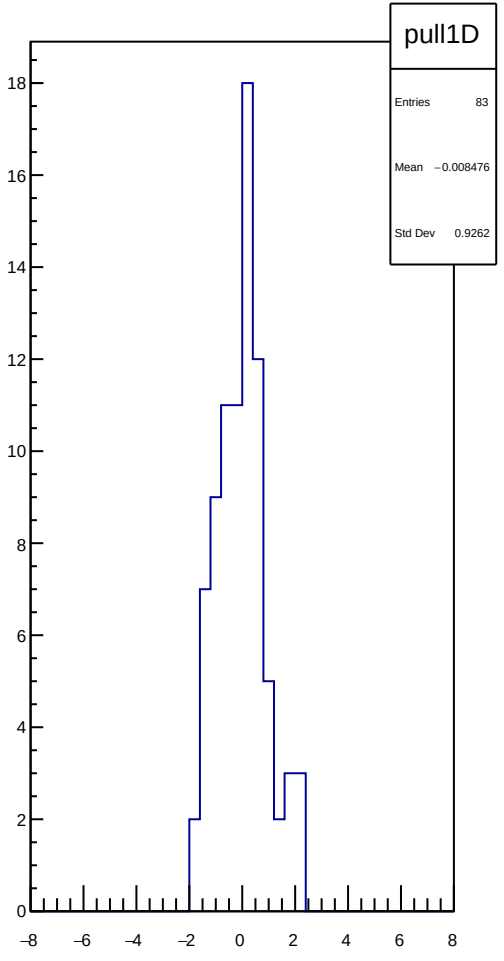

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 432.3 / 82
p0 −13.13 ± 0.05363
pull
Entries 83
Mean 3393
Std Dev 0

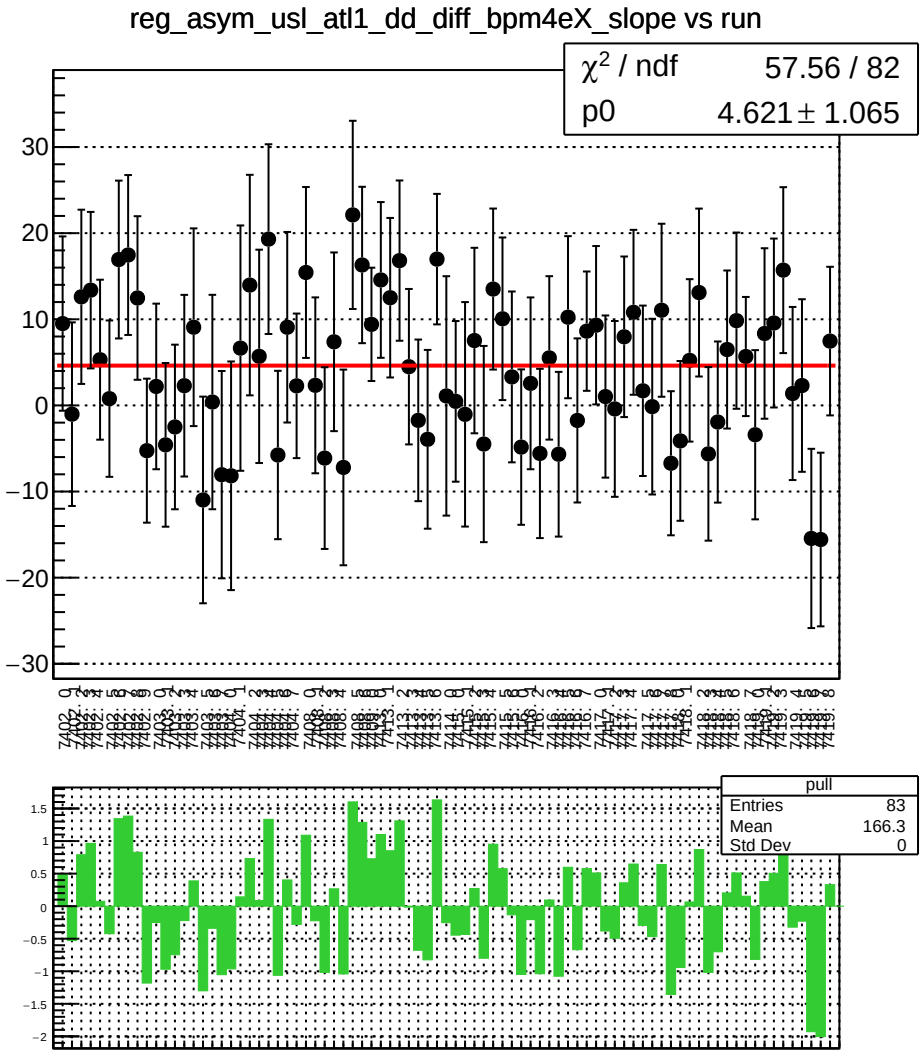

pull1D
Entries 83
Mean 0.1023
Std Dev 2.05

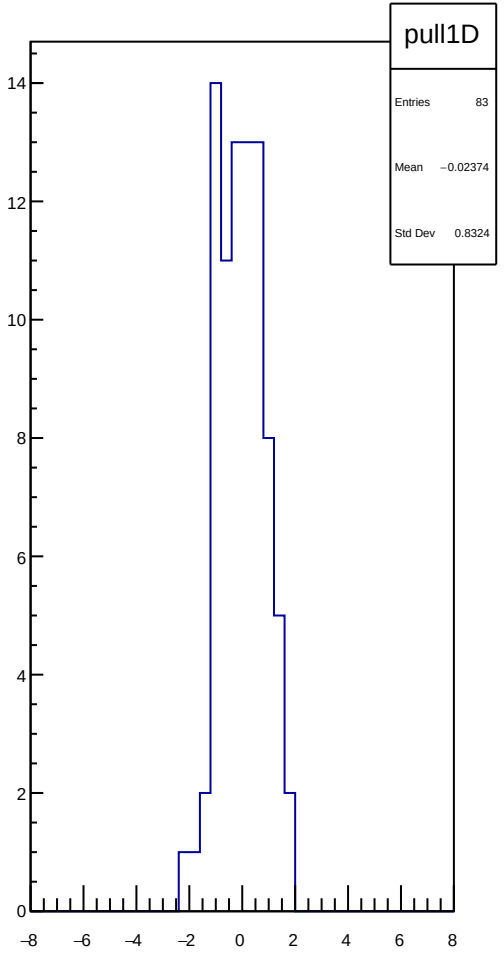

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 58.9 / 82
p0 −47.45 ± 1.032
pull
Entries 83
Mean 138.3
Std Dev 0

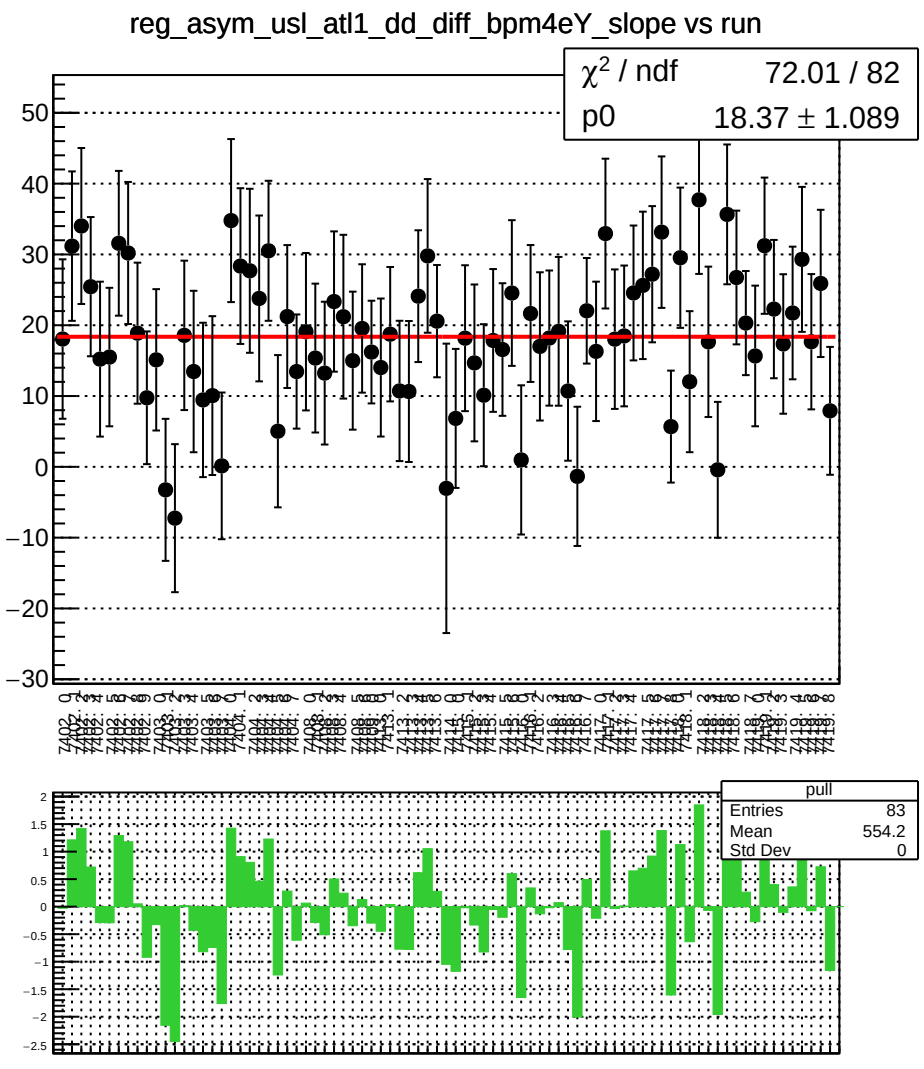

pull1D
Entries 83
Mean 0.02564
Std Dev 0.842

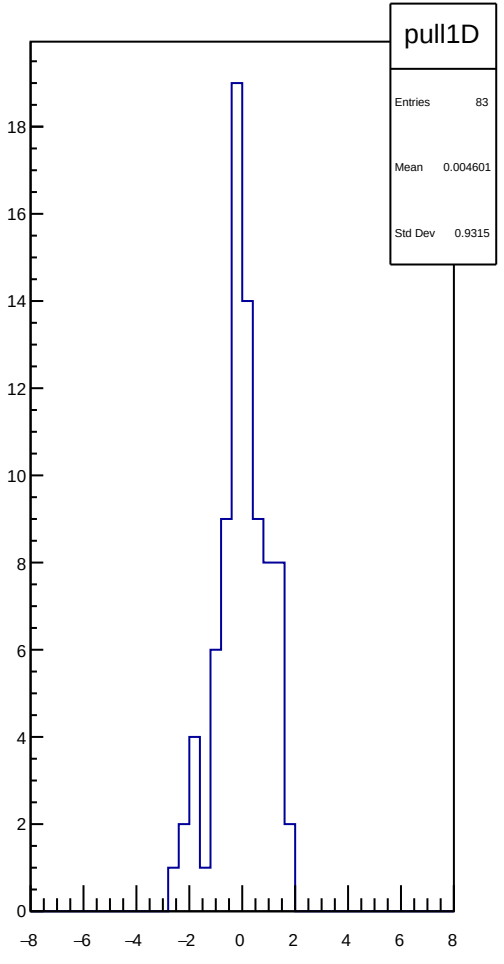

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.2 / 82
p0 0.3837 ± 1.035
pull
Entries 83
Mean 339.6
Std Dev 0

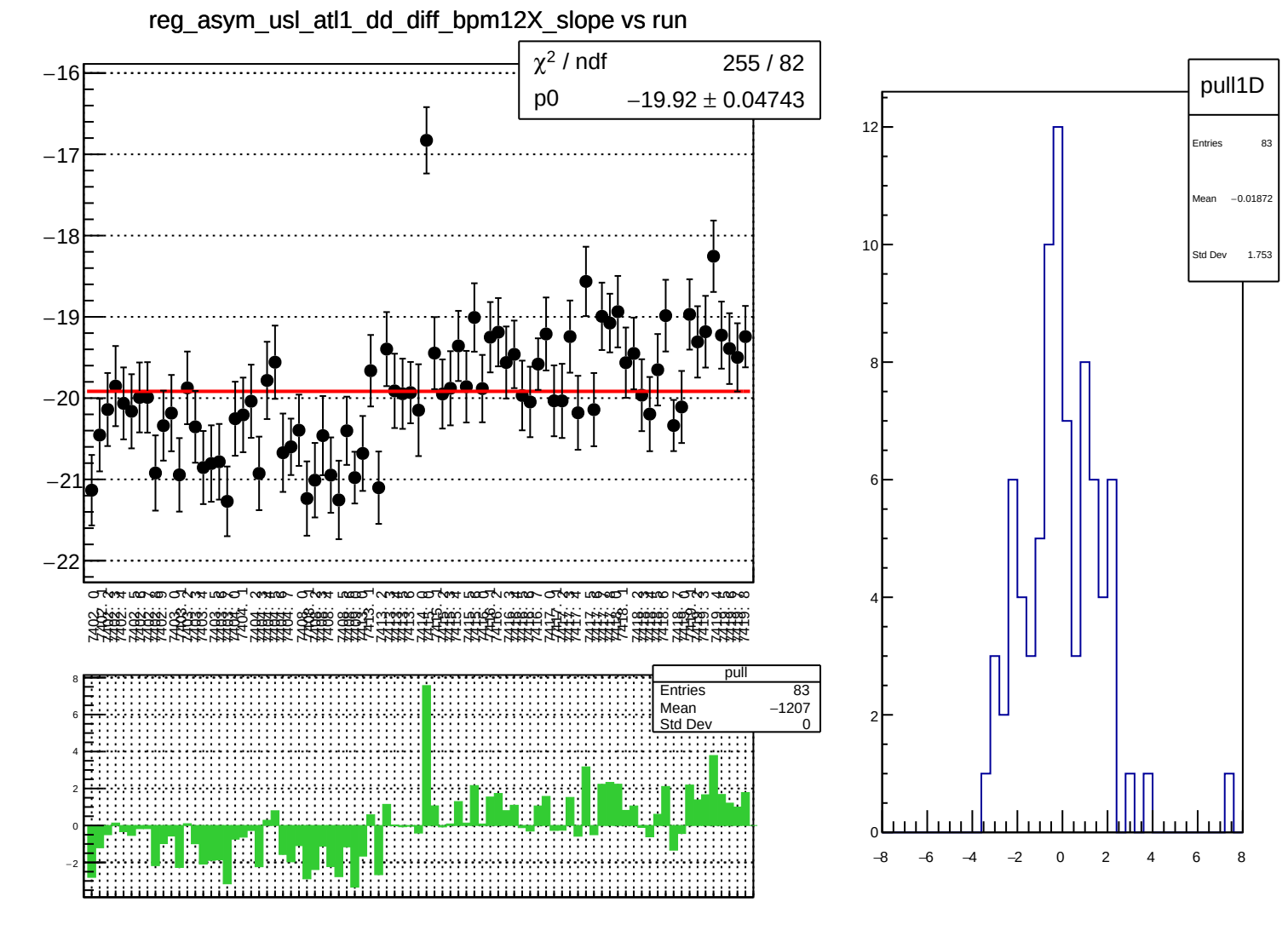

pull1D
Entries 83
Mean −0.008476
Std Dev 0.9262

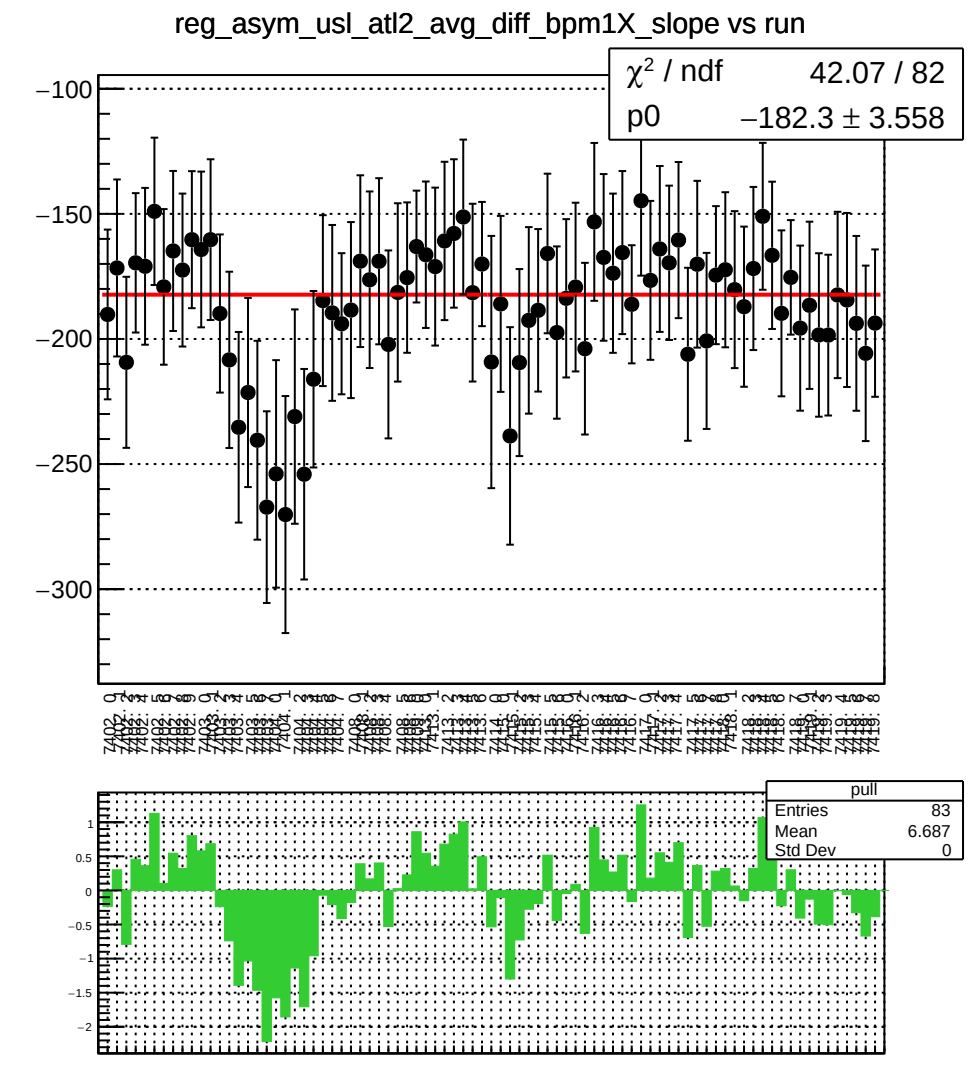

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.56 / 82
p0 4.621 ± 1.065
pull
Entries 83
Mean 166.3
Std Dev 0

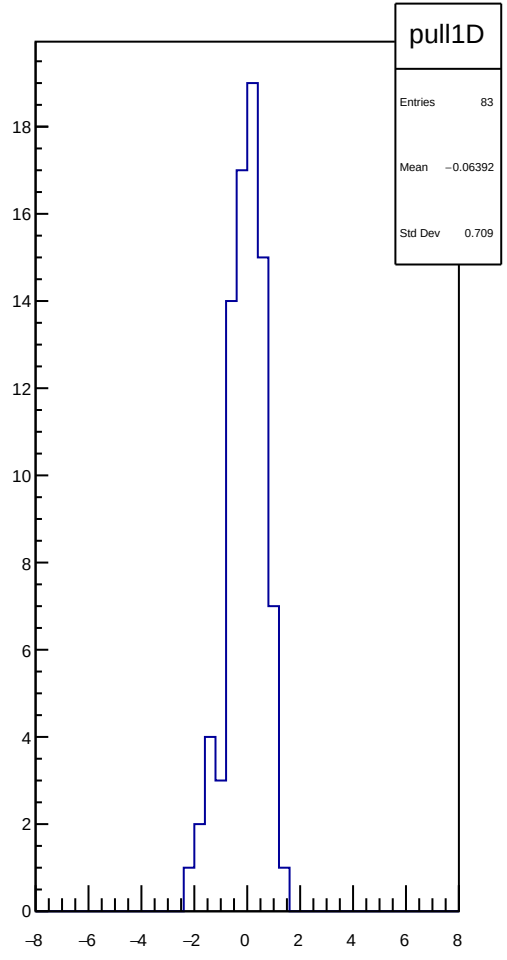

pull1D
Entries 83
Mean −0.02374
Std Dev 0.8324

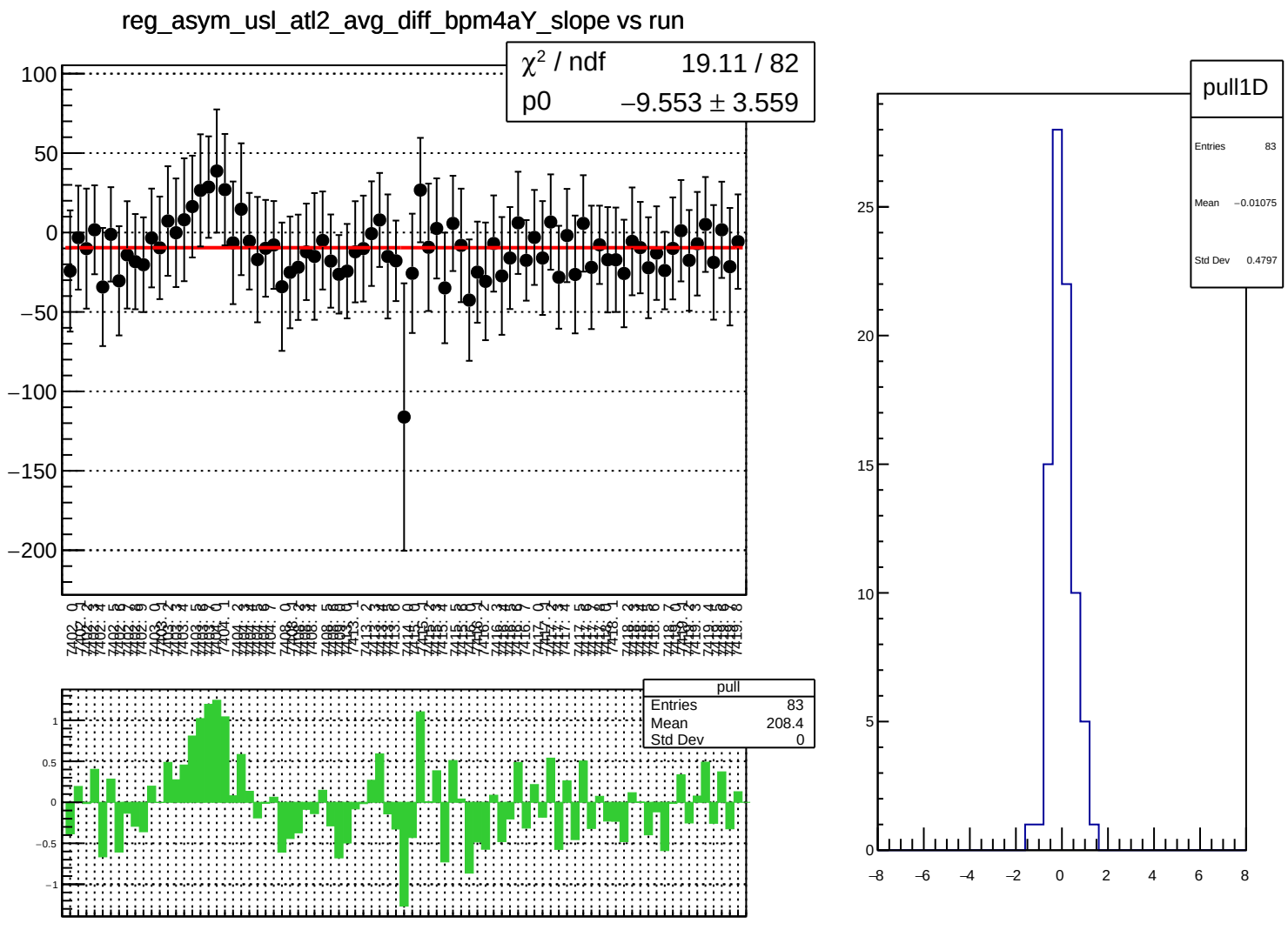

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.01 / 82
p0 18.37 ± 1.089
pull
Entries 83
Mean 554.2
Std Dev 0

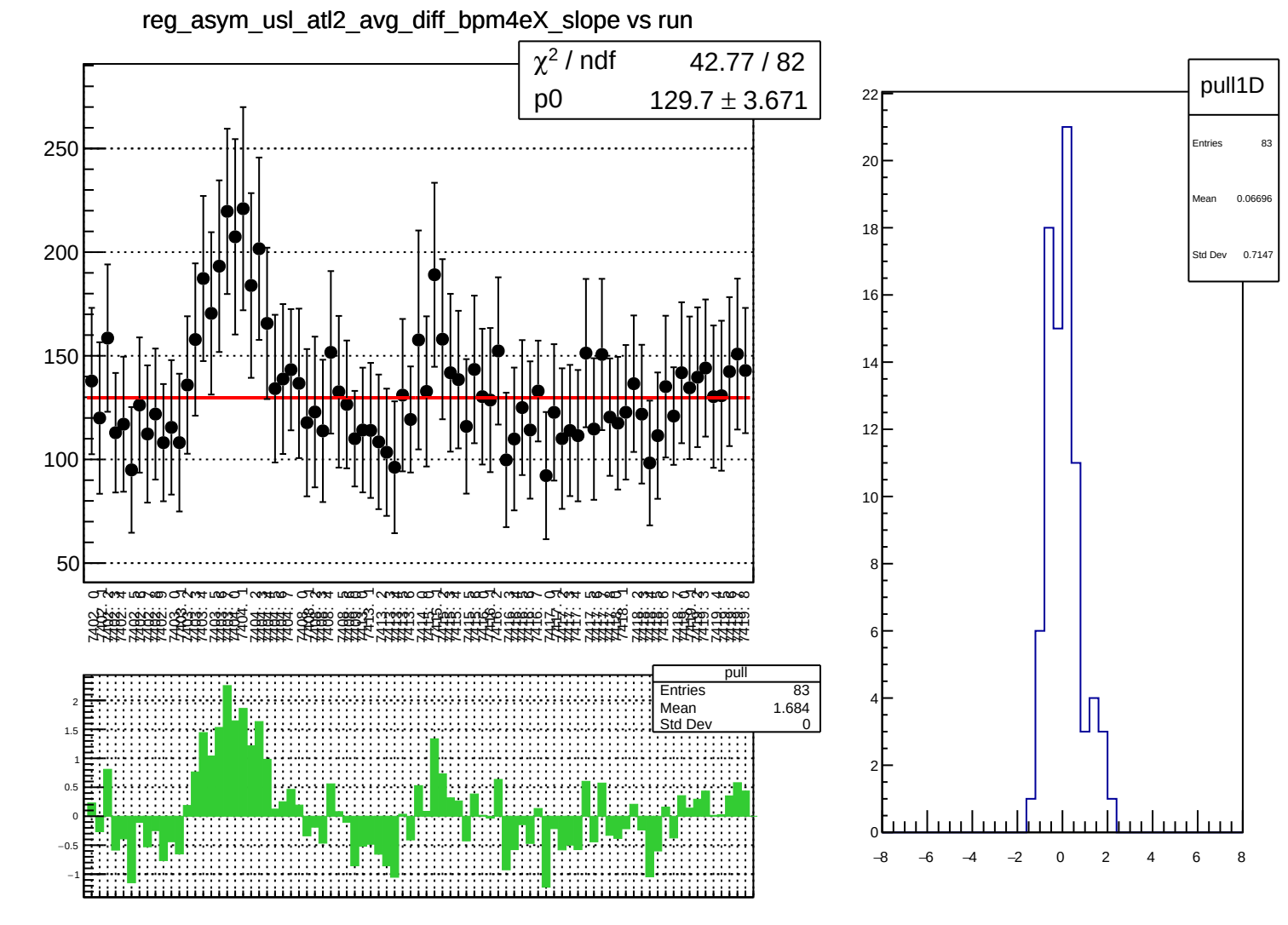

pull1D
Entries 83
Mean 0.004601
Std Dev 0.9315

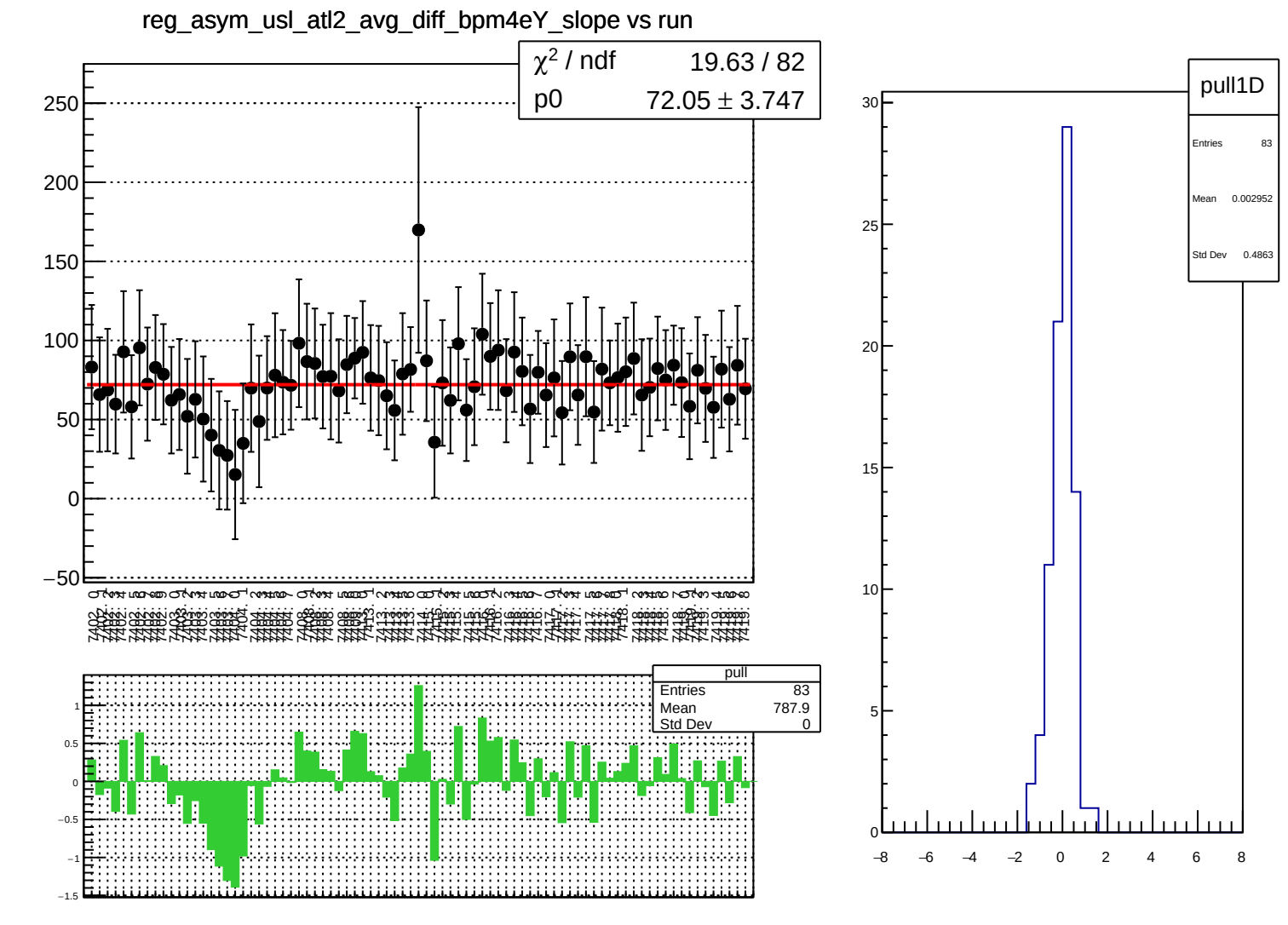

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 255 / 82
p0 −19.92 ± 0.04743
pull
Entries 83
Mean −1207
Std Dev 0
pull1D
Entries 83
Mean −0.01872
Std Dev 1.753

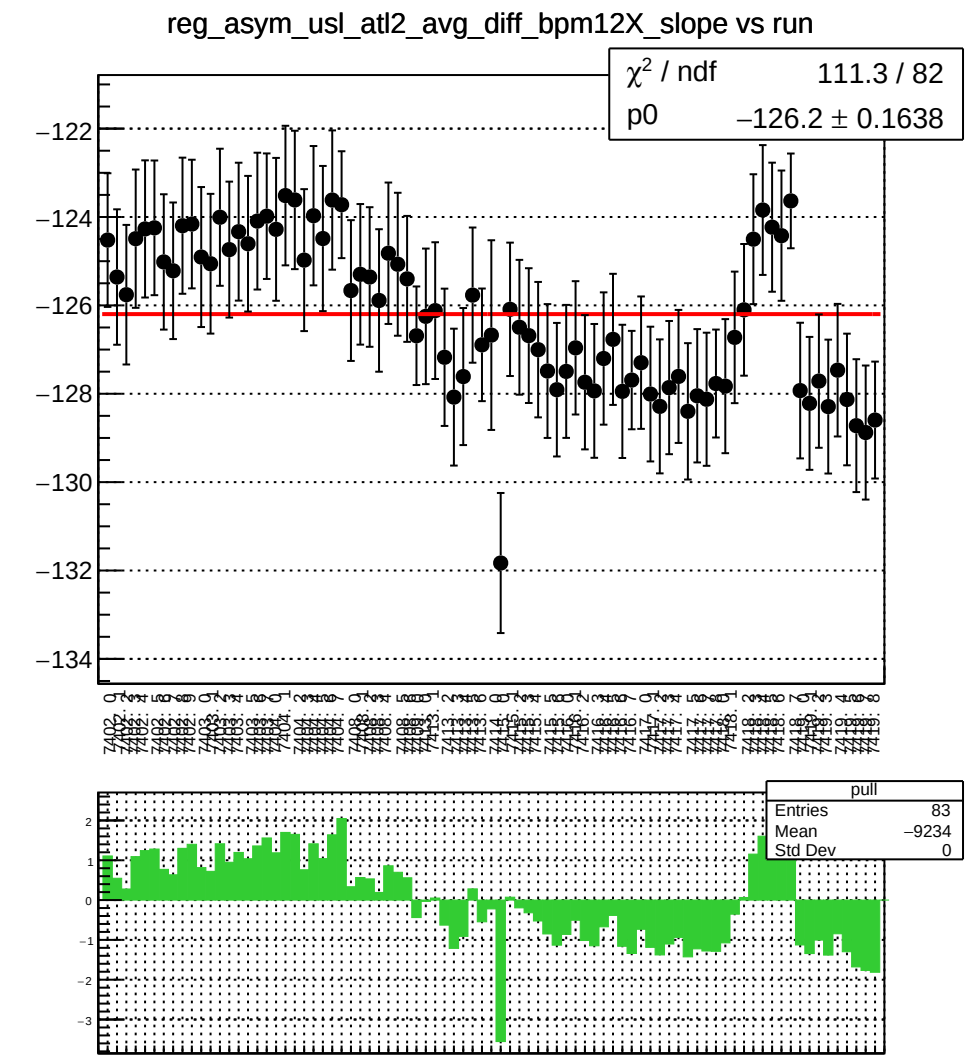

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 42.07 / 82
p0 −182.3 ± 3.558
−100
−150
−200
−250
−300
pull
Entries 83
Mean 6.687
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

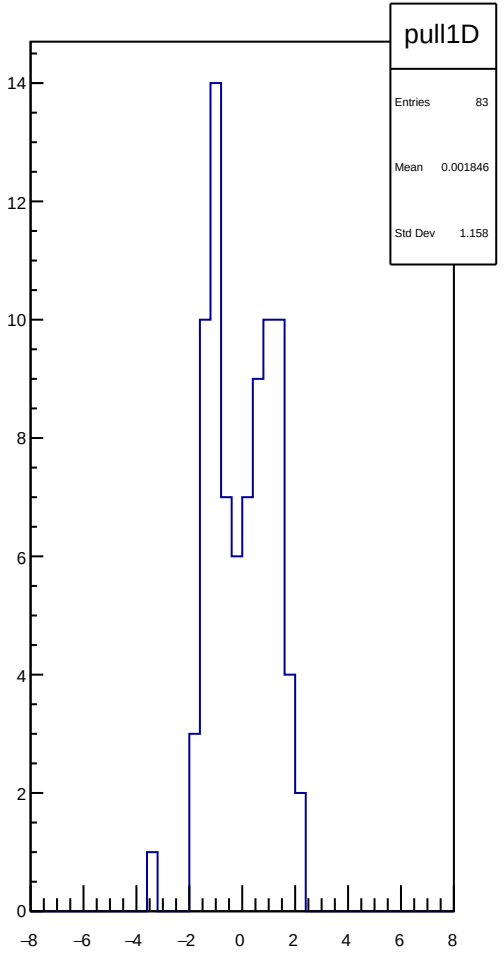

pull1D
Entries 83
Mean −0.06392
Std Dev 0.709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

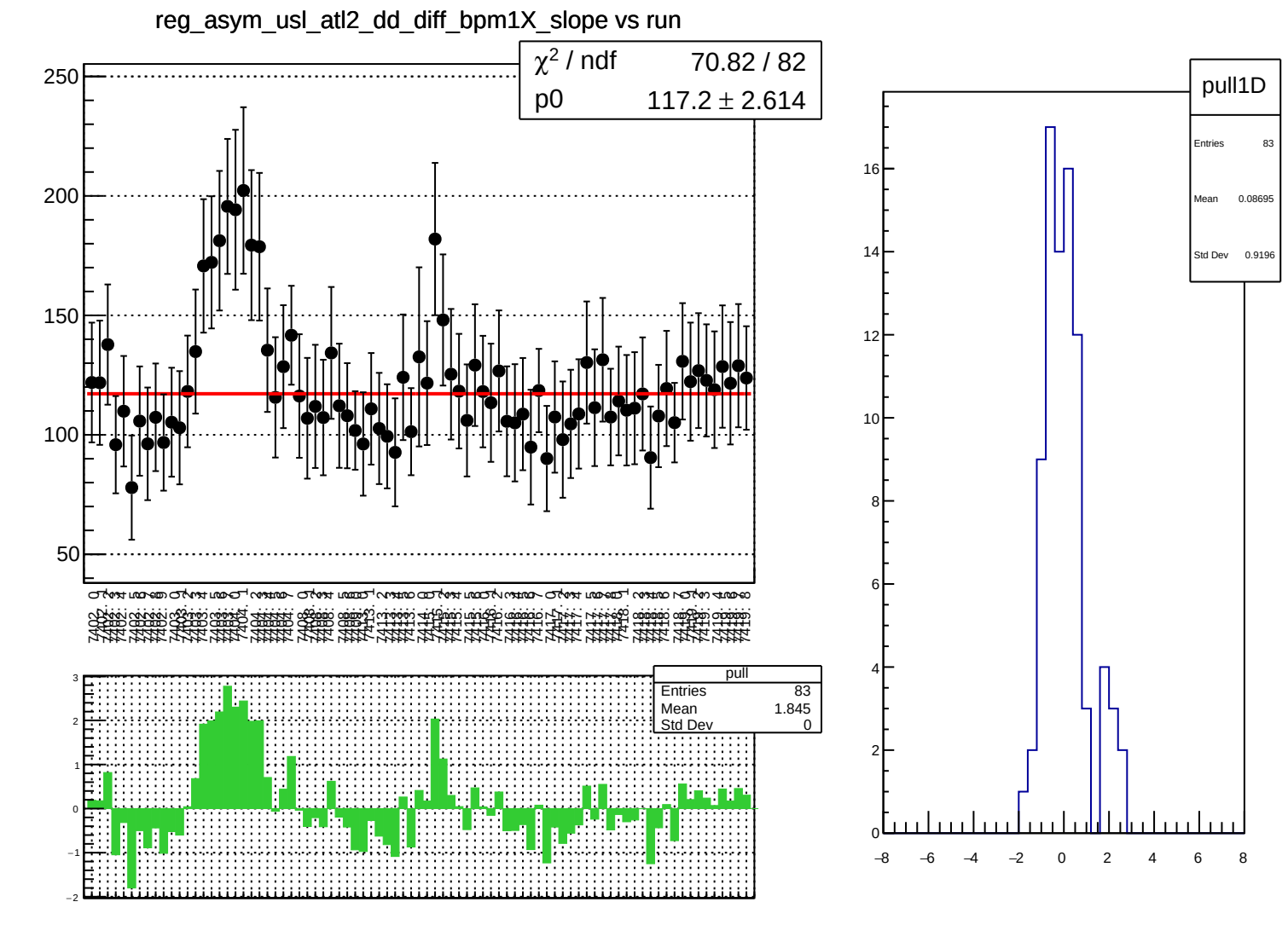

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.11 / 82
p0 −9.553 ± 3.559
pull
Entries 83
Mean 208.4
Std Dev 0
pull1D
Entries 83
Mean −0.01075
Std Dev 0.4797

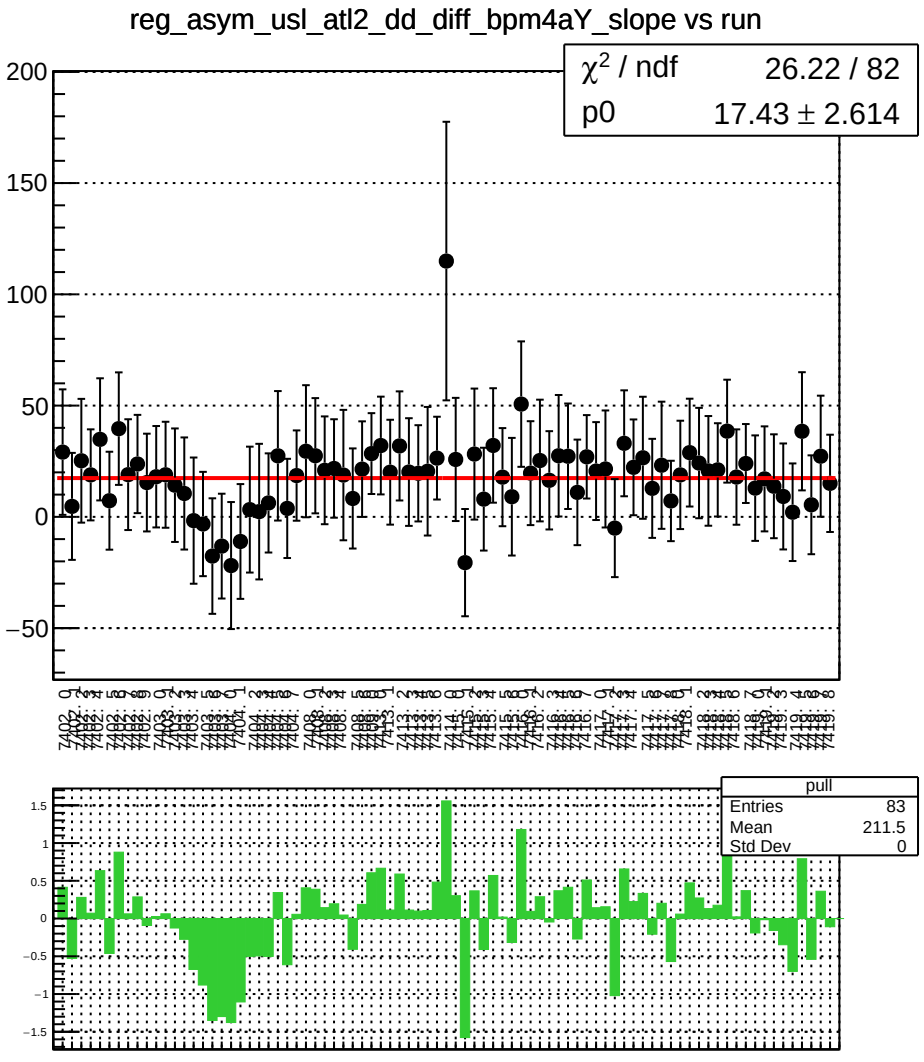

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.77 / 82
p0 129.7 ± 3.671
pull
Entries 83
Mean 1.684
Std Dev 0
pull1D
Entries 83
Mean 0.06696
Std Dev 0.7147

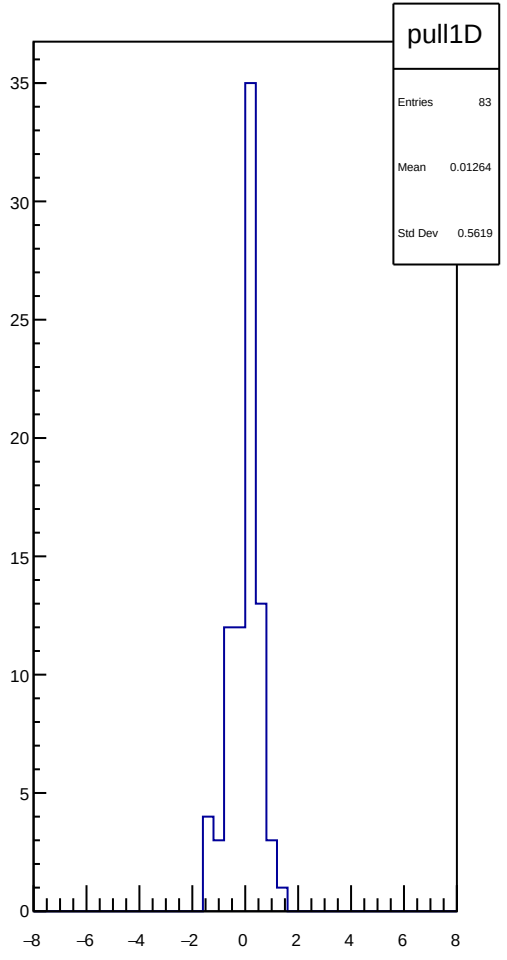

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.63 / 82
p0 72.05 ± 3.747
pull
Entries 83
Mean 787.9
Std Dev 0
pull1D
Entries 83
Mean 0.002952
Std Dev 0.4863

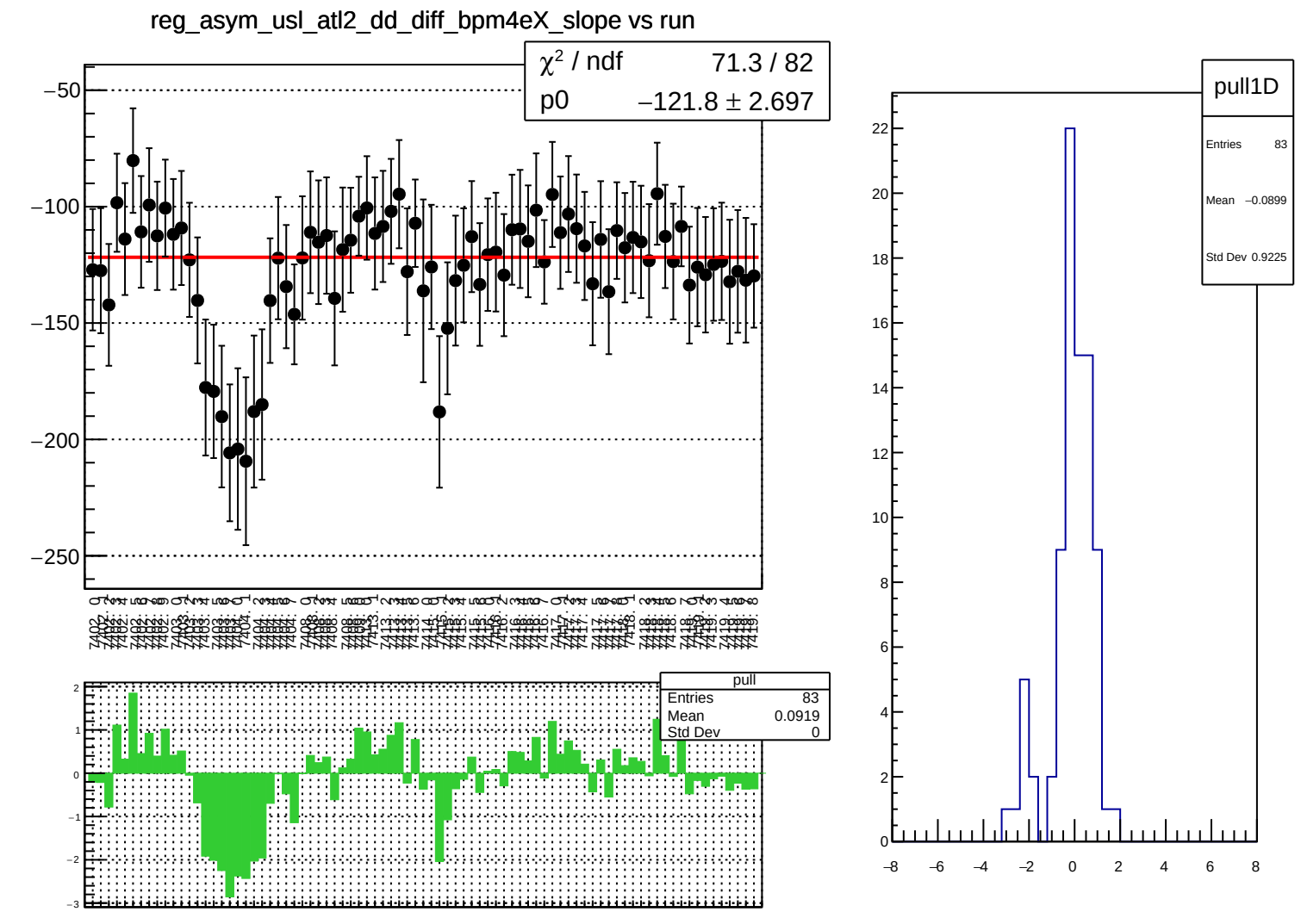

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 111.3 / 82
p0 −126.2 ± 0.1638
pull
Entries 83
Mean −9234
Std Dev 0

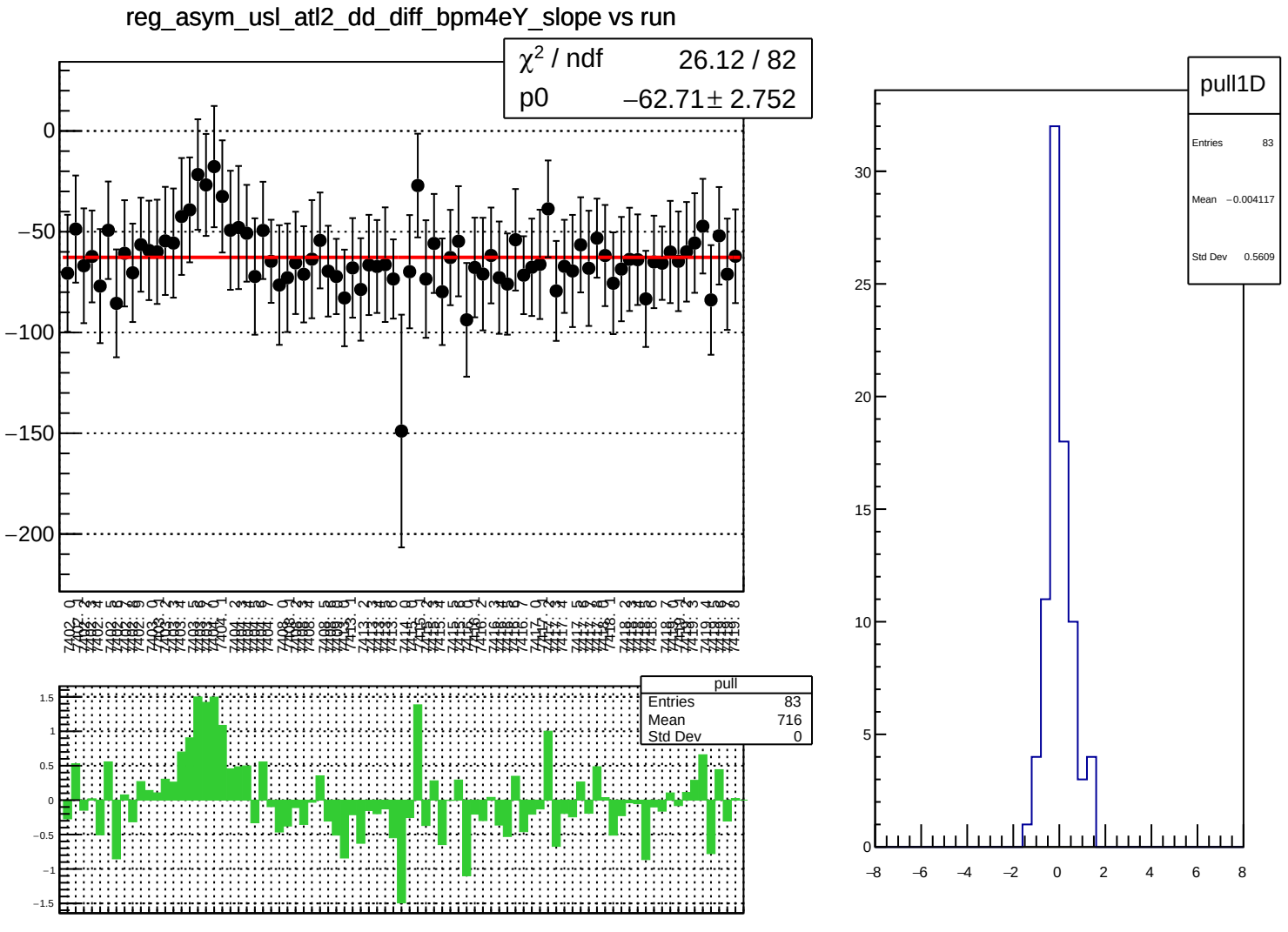

pull1D
Entries 83
Mean 0.001846
Std Dev 1.158

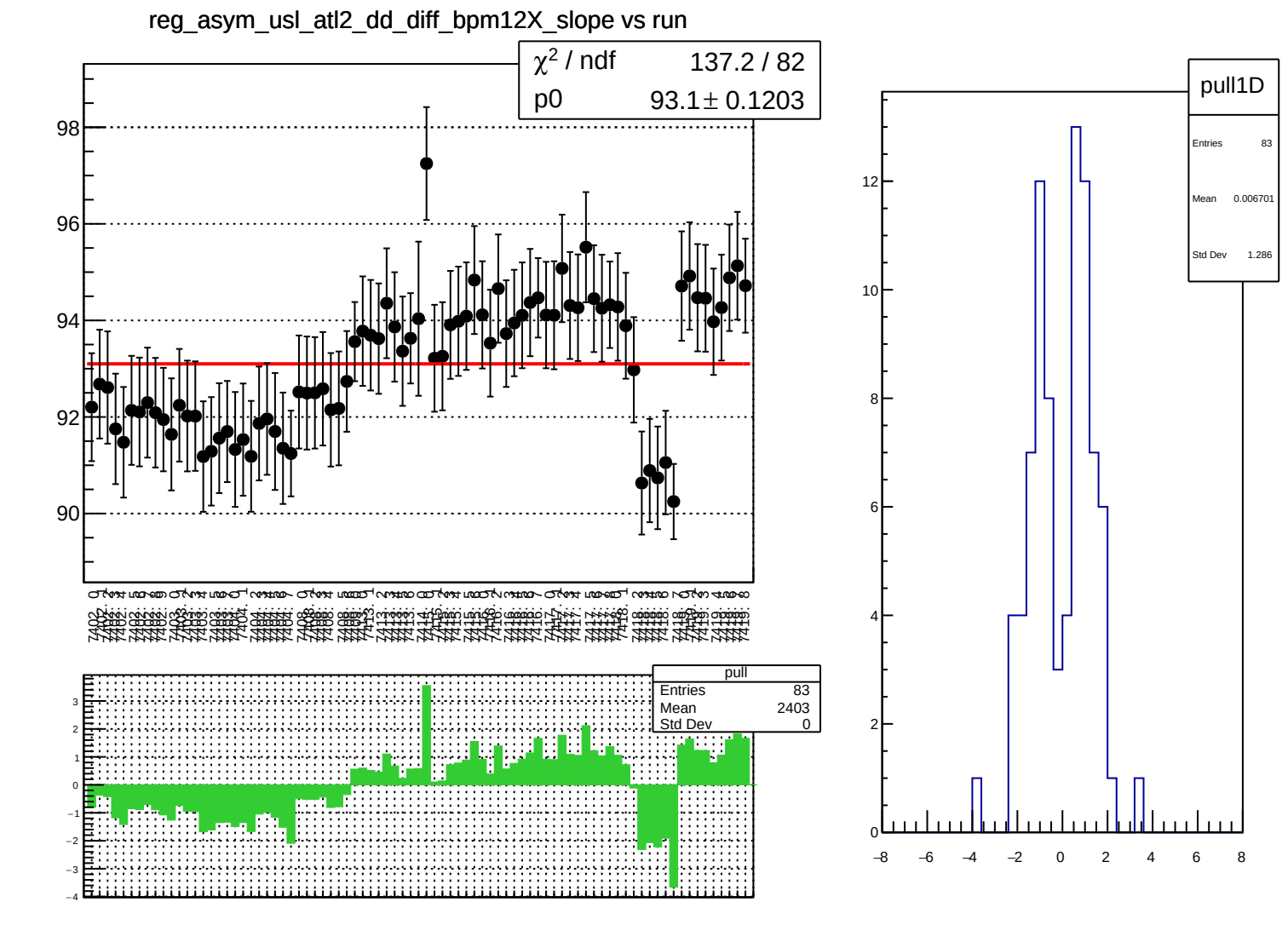

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 70.82 / 82
p0 117.2 ± 2.614
250
200
150
100
50
pull
Entries 83
Mean 1.845
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.08695
Std Dev 0.9196
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

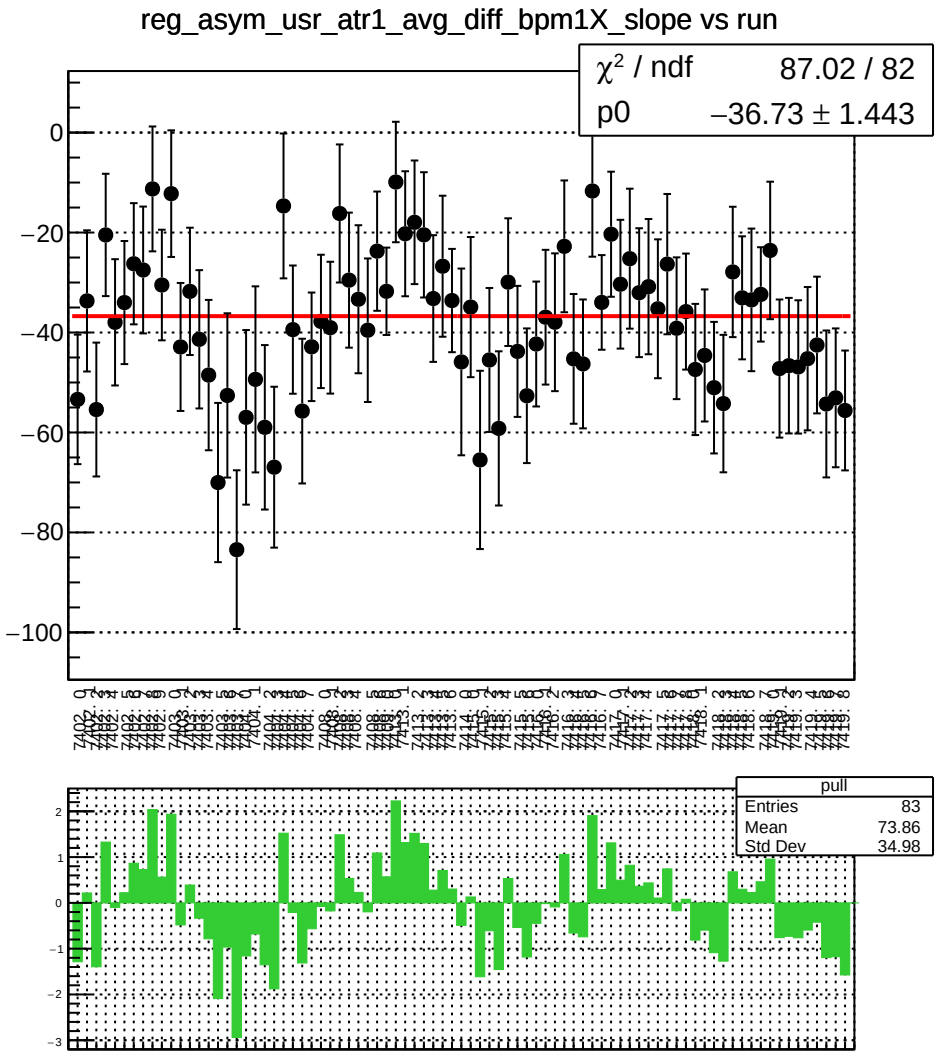

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.22 / 82
p0 17.43 ± 2.614
pull
Entries 83
Mean 211.5
Std Dev 0

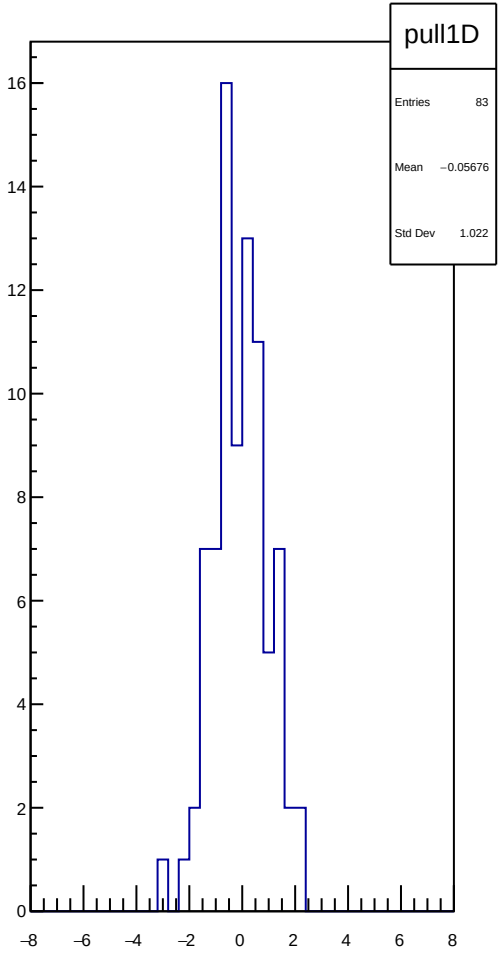

pull1D
Entries 83
Mean 0.01264
Std Dev 0.5619

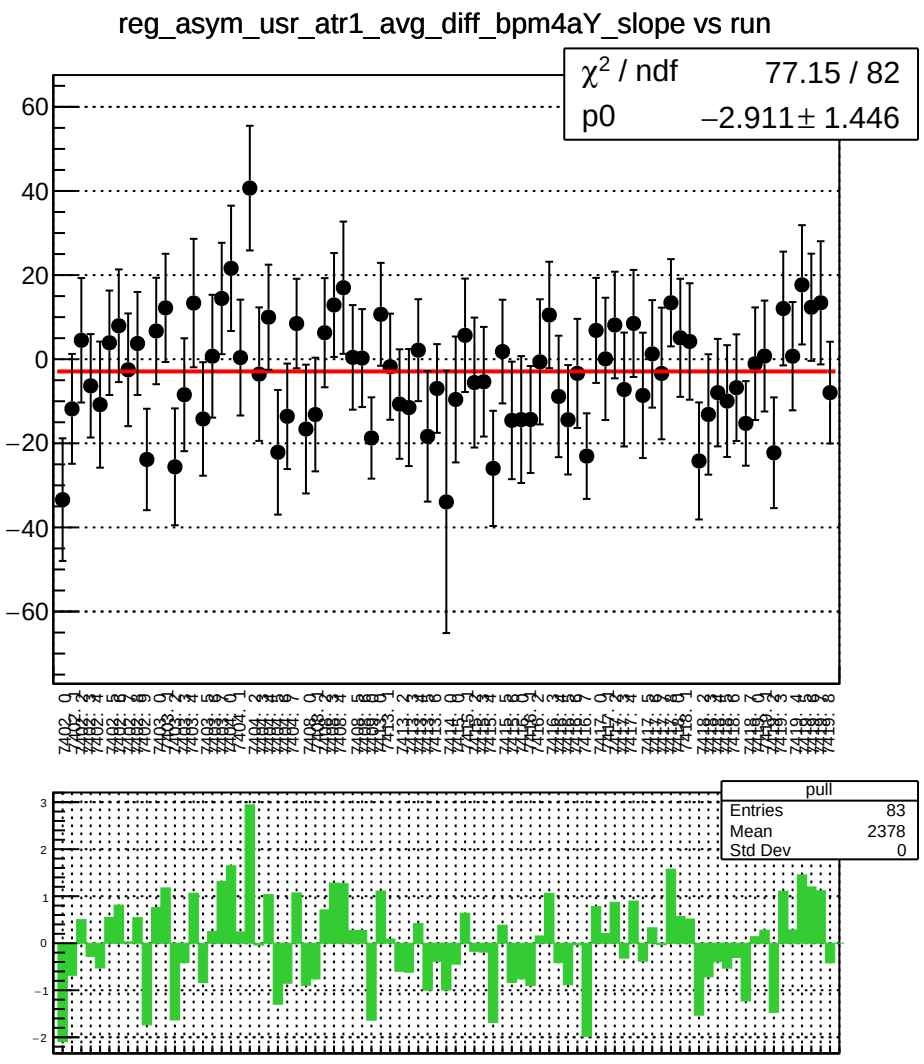

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.3 / 82
p0 −121.8 ± 2.697
−50
−100
−150
−200
−250
pull
Entries 83
Mean 0.0919
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean −0.0899
Std Dev 0.9225
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

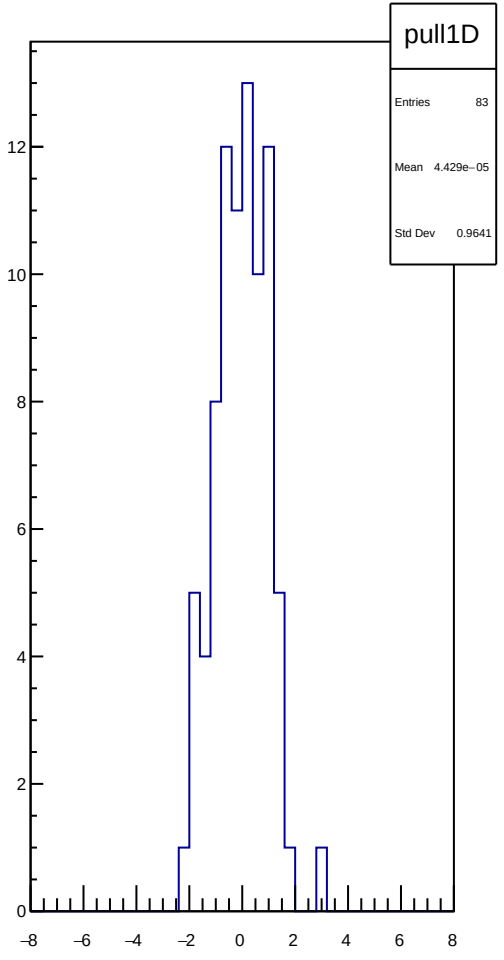

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.12 / 82
p0 −62.71± 2.752
0
−50
−100
−150
−200
pull
Entries 83
Mean 716
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean −0.004117
Std Dev 0.5609
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

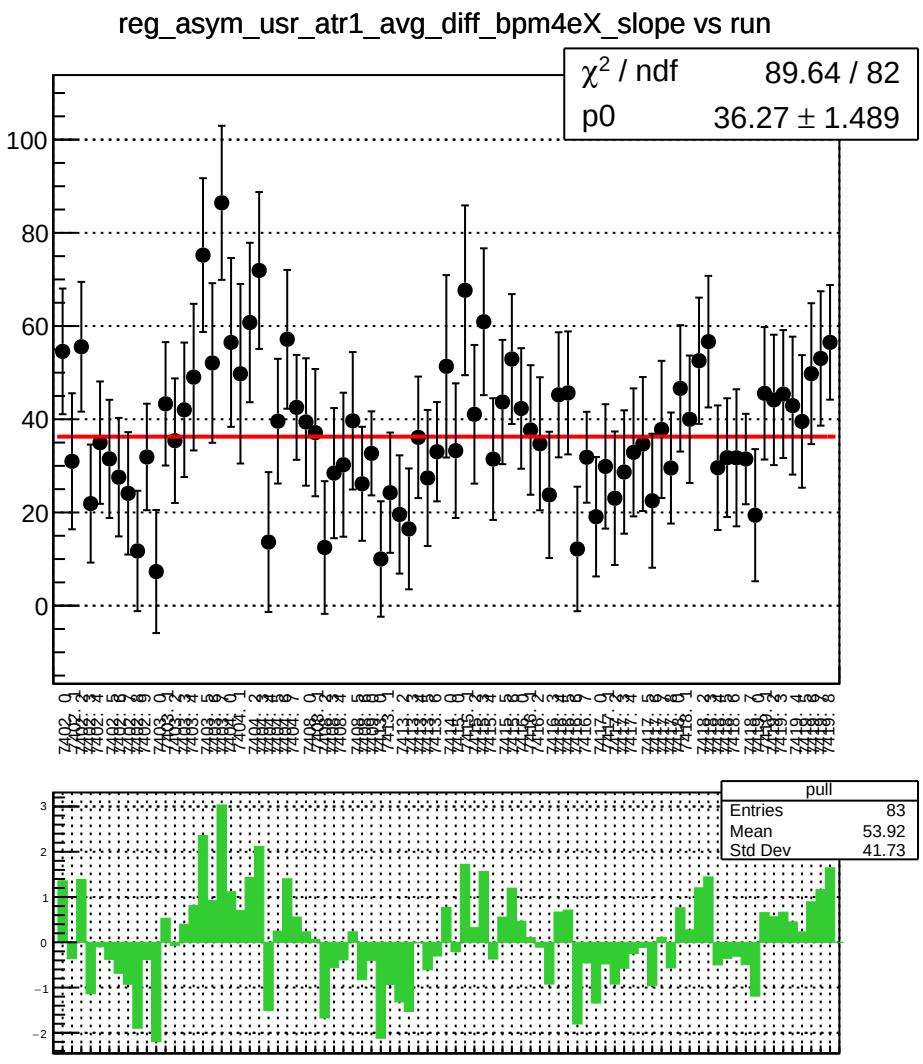

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 137.2 / 82
p0 93.1 ± 0.1203
98
96
94
92
90
pull
Entries 83
Mean 2403
Std Dev 0
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 83
Mean 0.006701
Std Dev 1.286
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

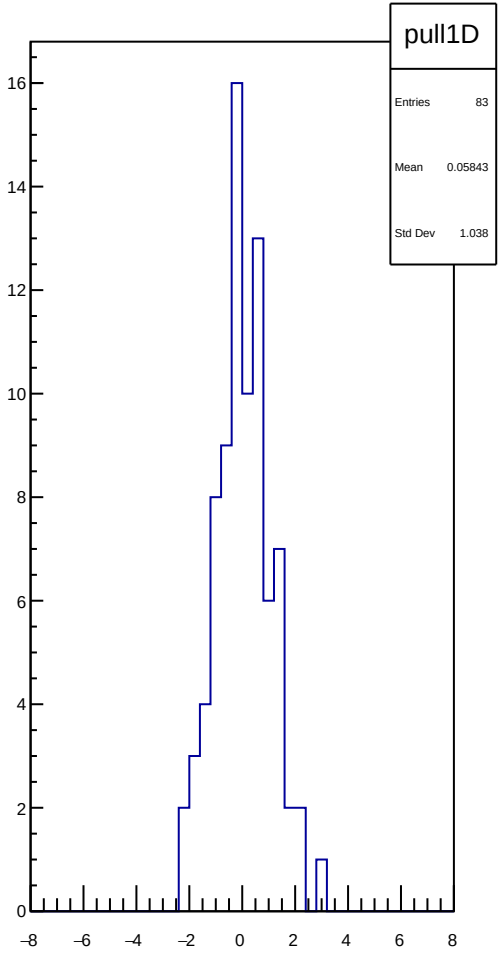

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 87.02 / 82
p0 −36.73 ± 1.443
pull
Entries 83
Mean 73.86
Std Dev 34.98

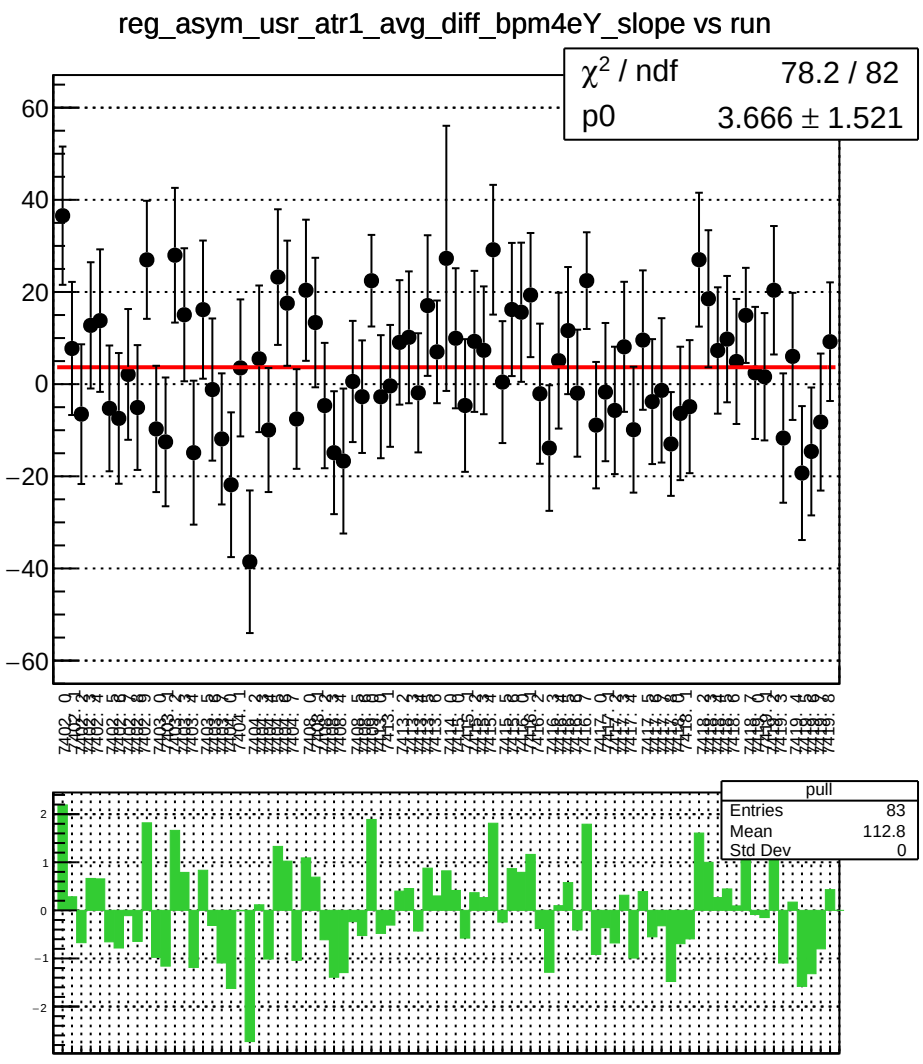

pull1D
Entries 83
Mean −0.05676
Std Dev 1.022

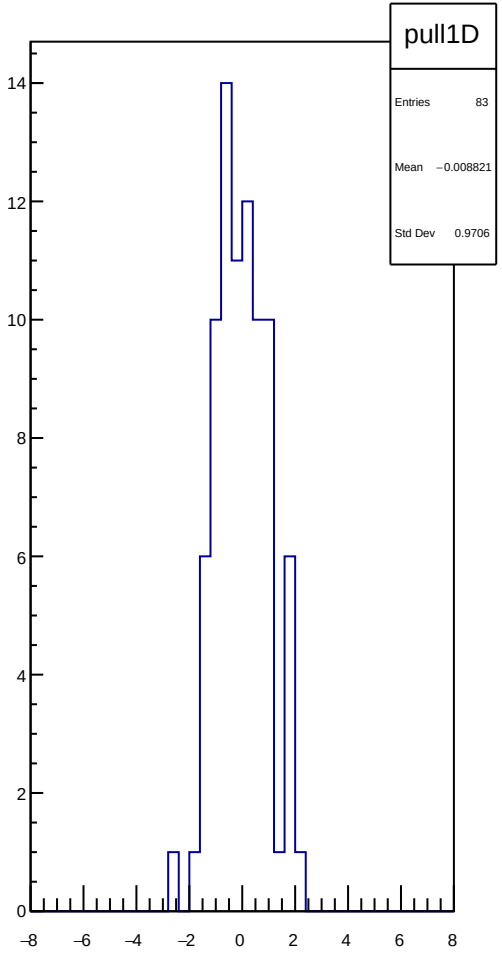

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 77.15 / 82
p0 −2.911 ± 1.446
pull
Entries 83
Mean 2378
Std Dev 0

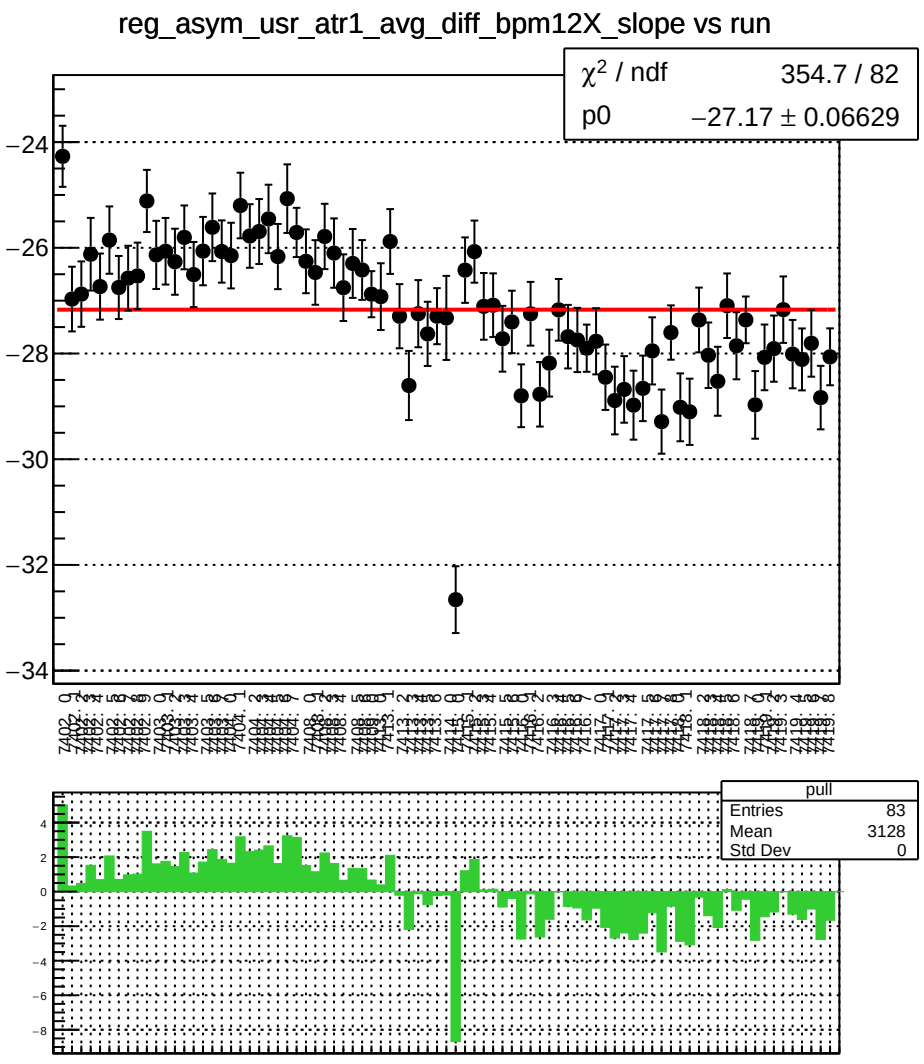

pull1D
Entries 83
Mean 4.429e−05
Std Dev 0.9641

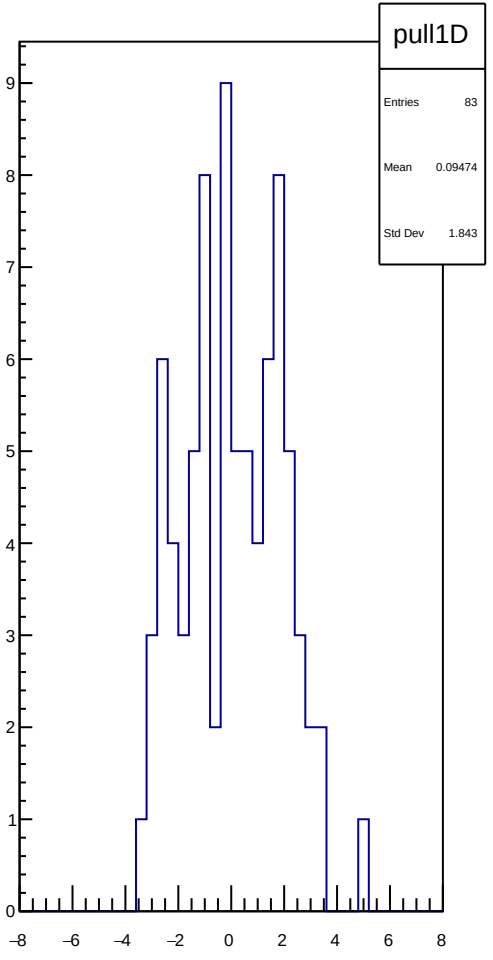

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.64 / 82
p0 36.27 ± 1.489
pull
Entries 83
Mean 53.92
Std Dev 41.73

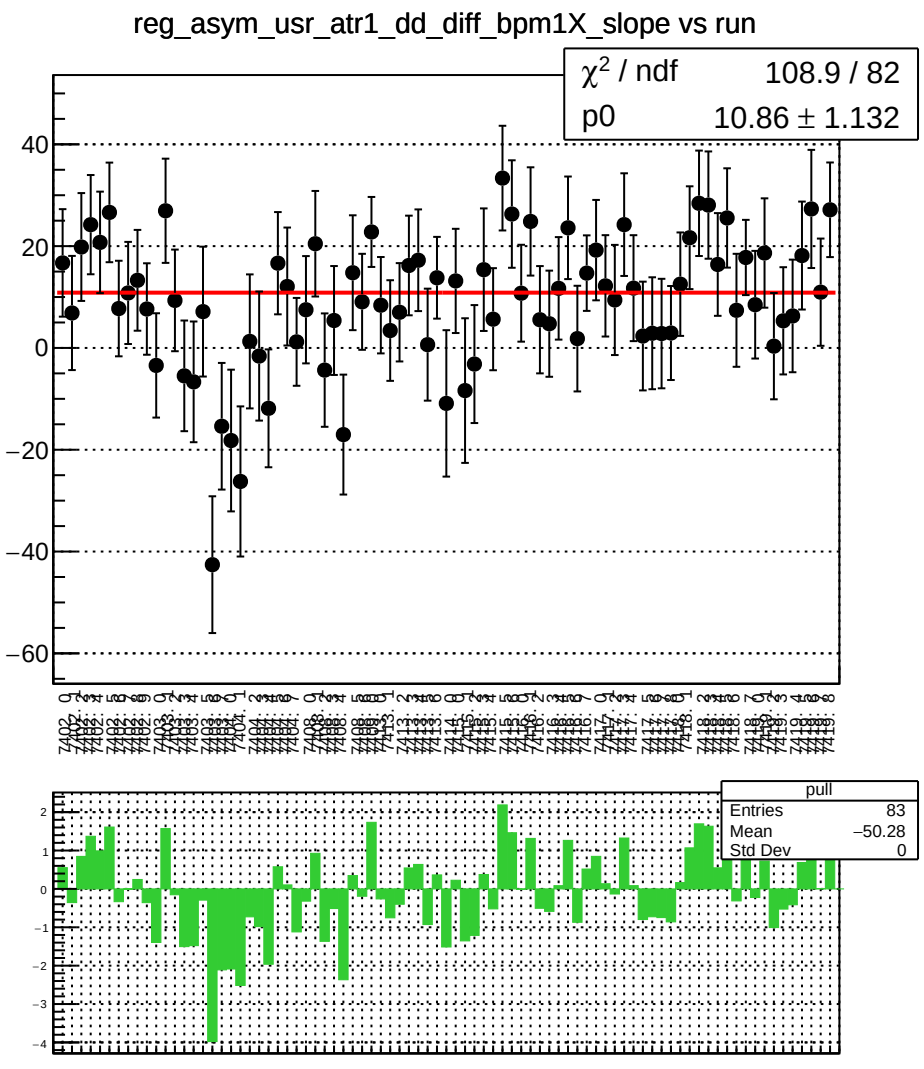

pull1D
Entries 83
Mean 0.05843
Std Dev 1.038

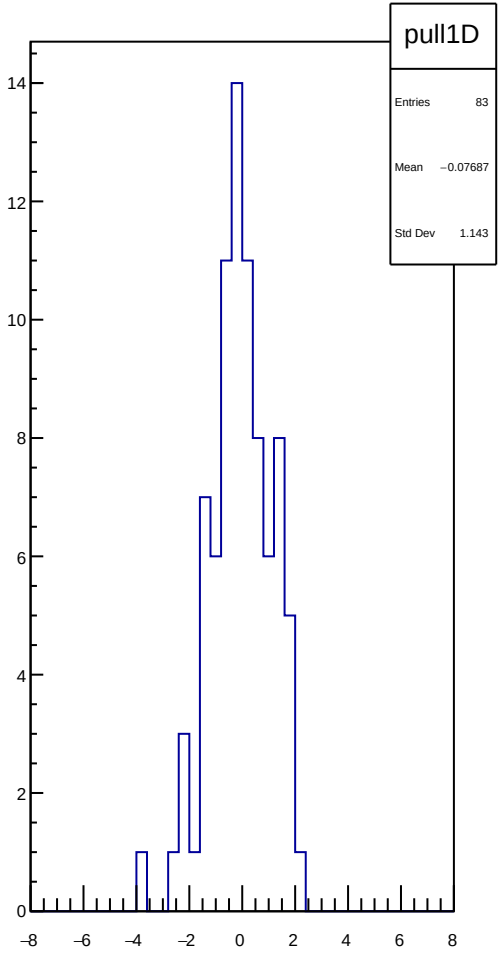

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 78.2 / 82
p0 3.666 ± 1.521
pull
Entries 83
Mean 112.8
Std Dev 0

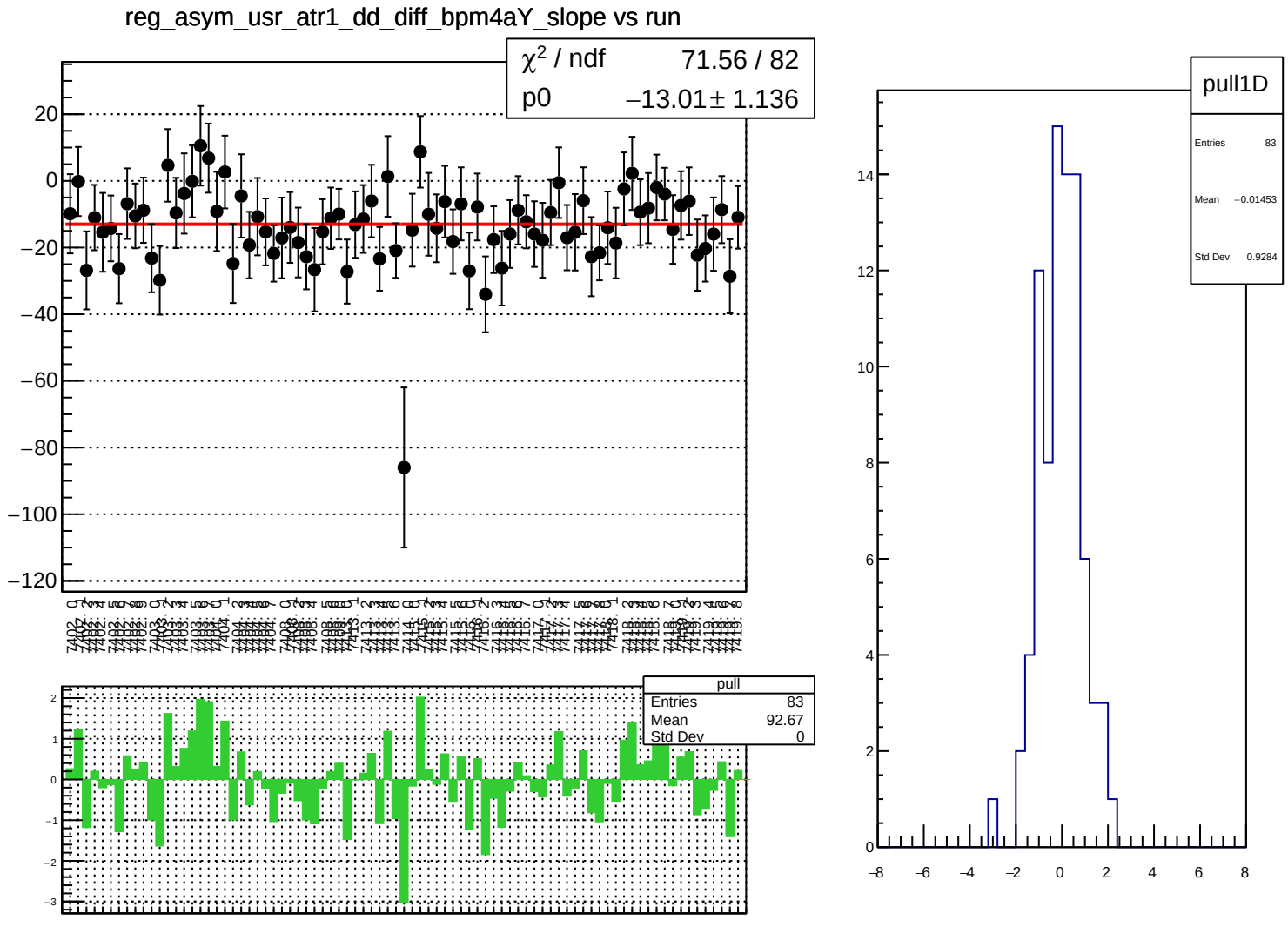

pull1D
Entries 83
Mean −0.008821
Std Dev 0.9706

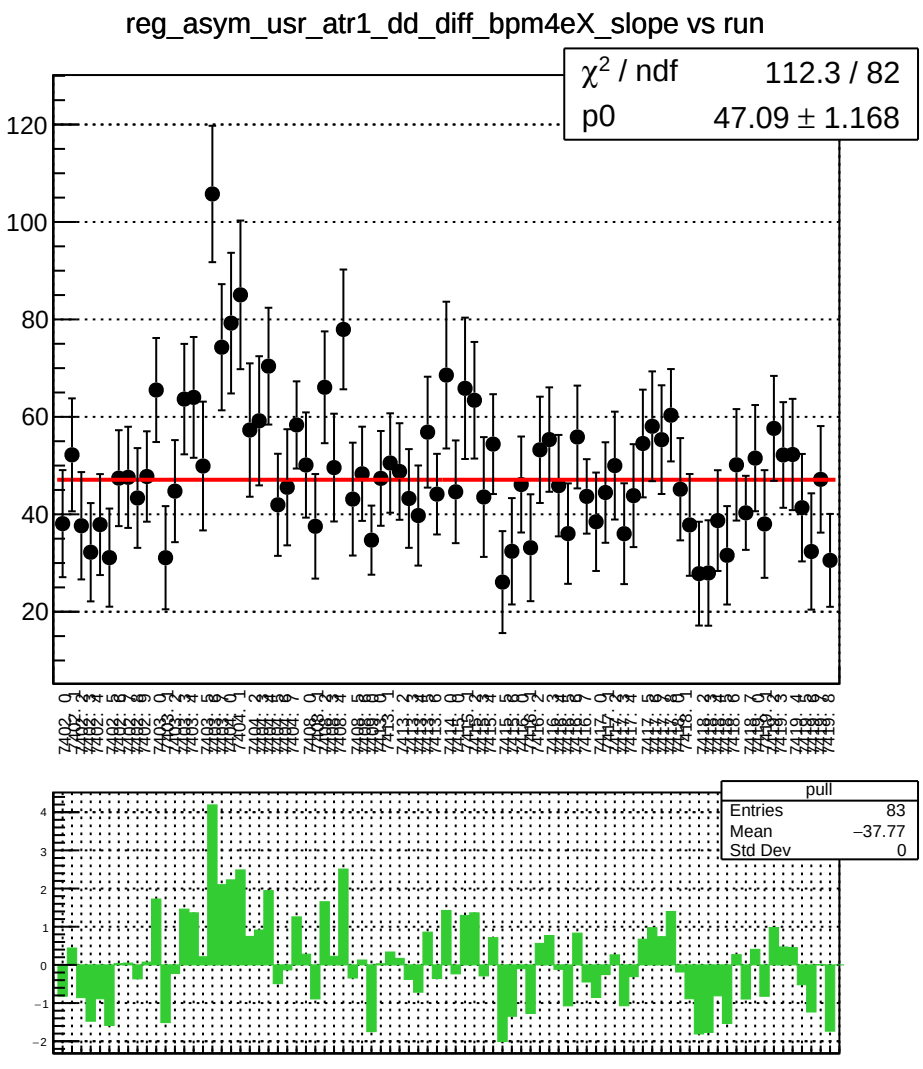

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 354.7 / 82
p0 −27.17 ± 0.06629
pull
Entries 83
Mean 3128
Std Dev 0

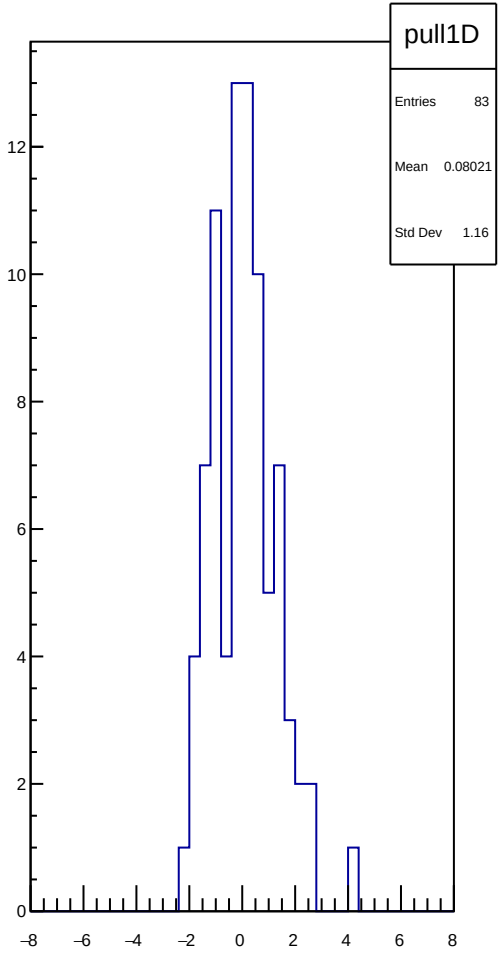

pull1D
Entries 83
Mean 0.09474
Std Dev 1.843

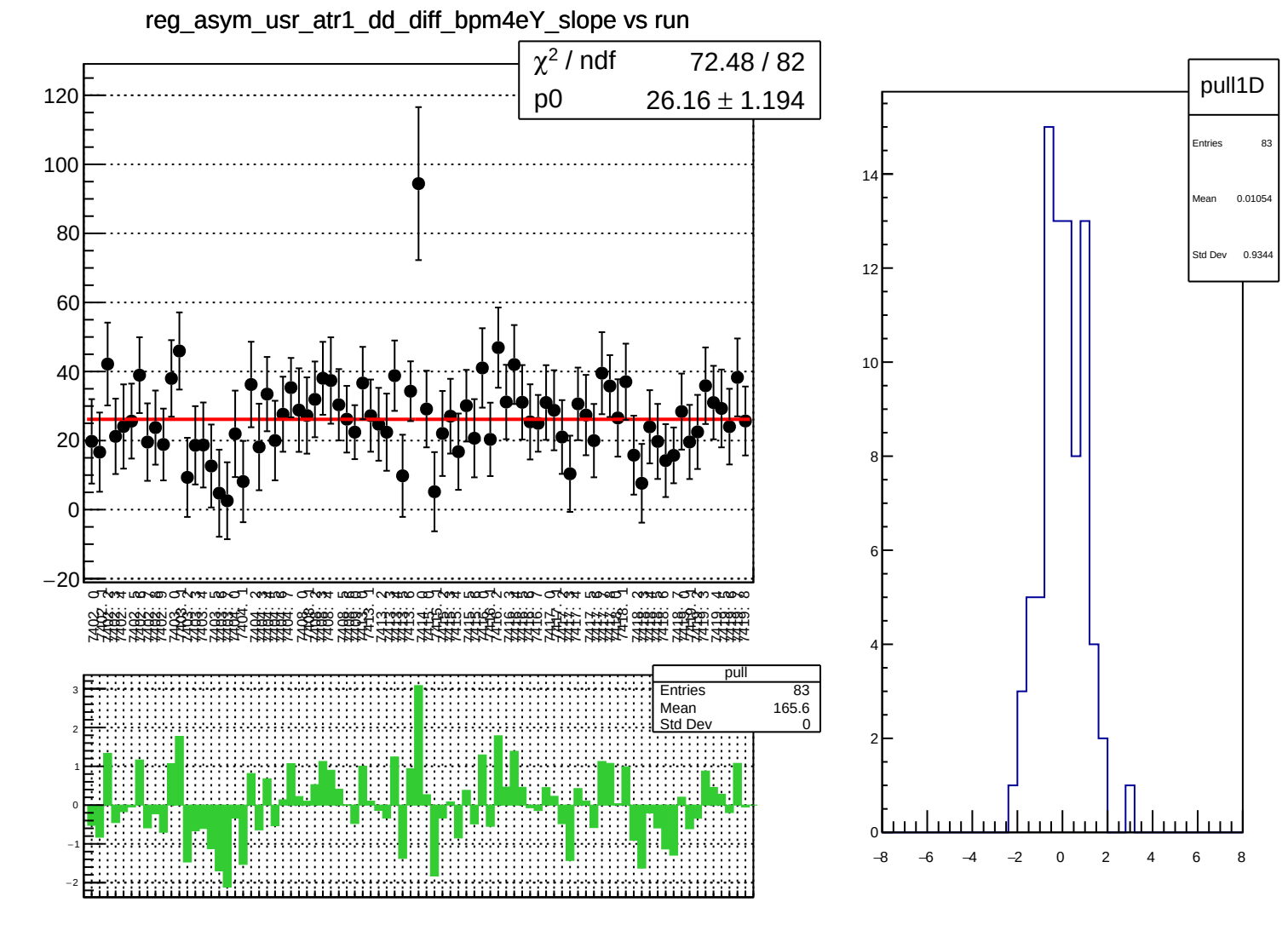

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 108.9 / 82
p0 10.86 ± 1.132
pull
Entries 83
Mean −50.28
Std Dev 0

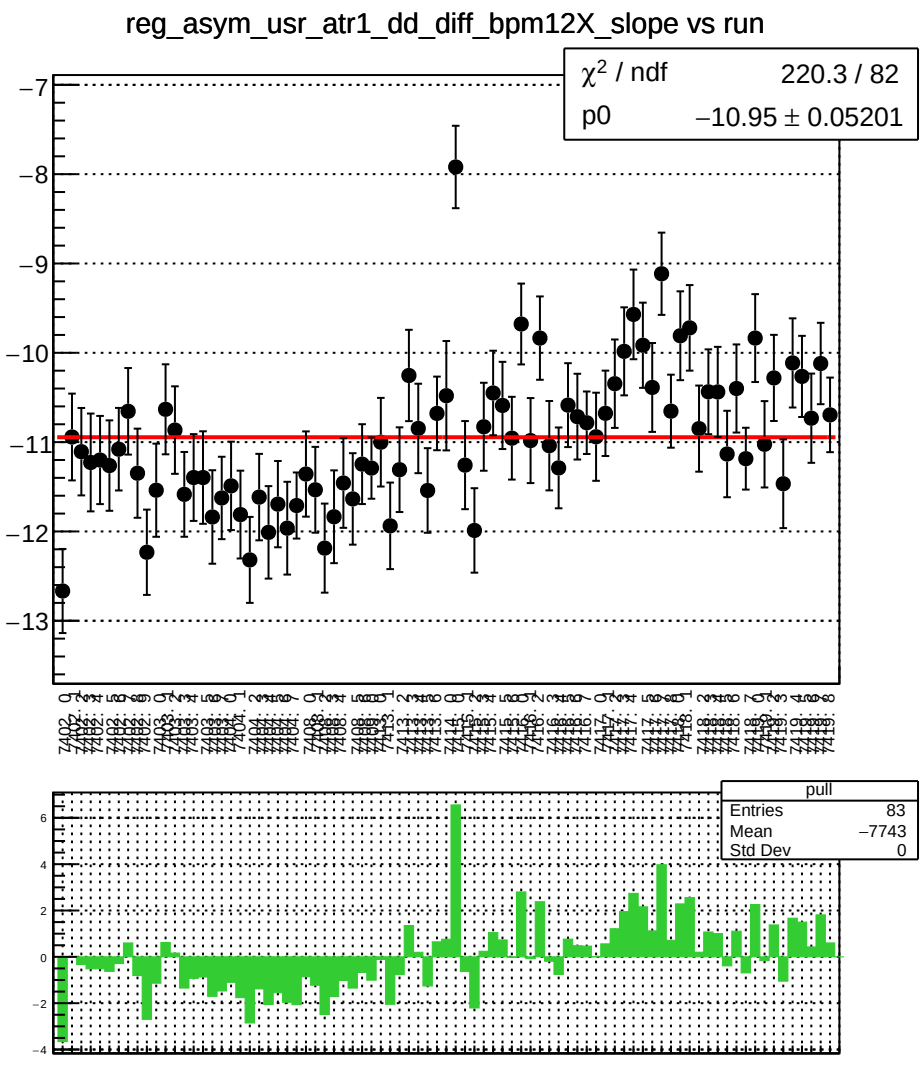

pull1D
Entries 83
Mean −0.07687
Std Dev 1.143

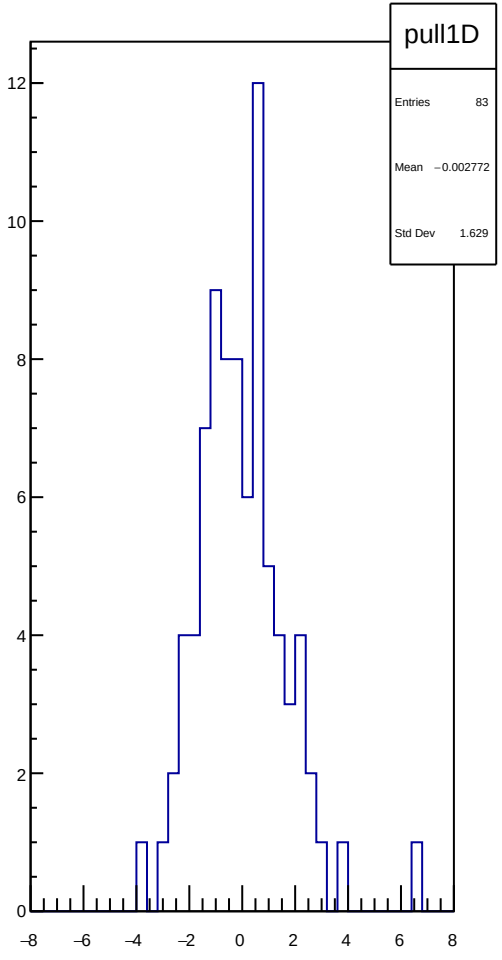

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.56 / 82
p0 −13.01± 1.136
pull
Entries 83
Mean 92.67
Std Dev 0
pull1D
Entries 83
Mean −0.01453
Std Dev 0.9284

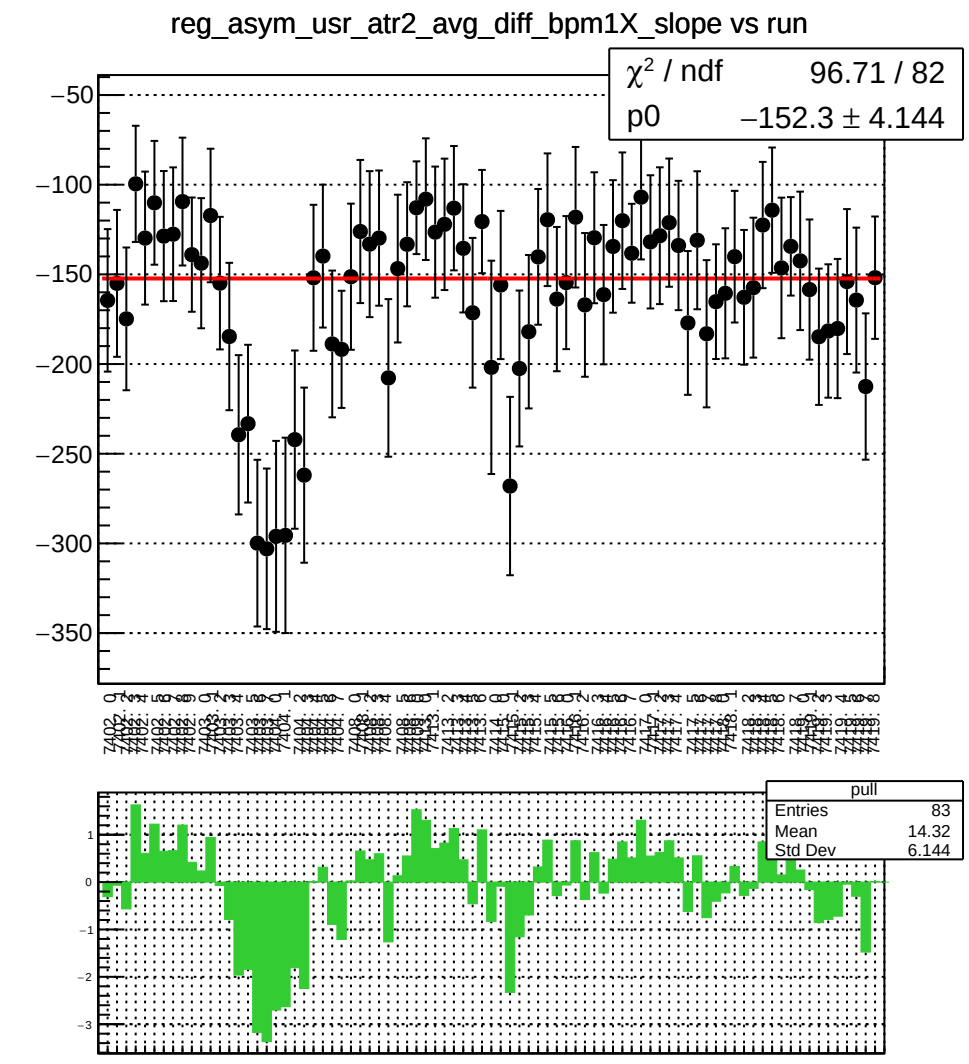

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 112.3 / 82
p0 47.09 ± 1.168
pull
Entries 83
Mean −37.77
Std Dev 0

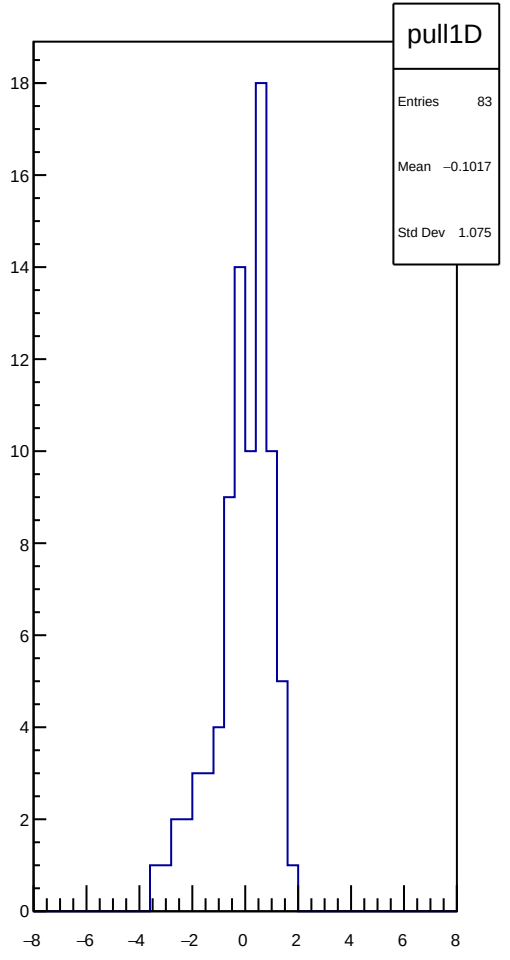

pull1D
Entries 83
Mean 0.08021
Std Dev 1.16

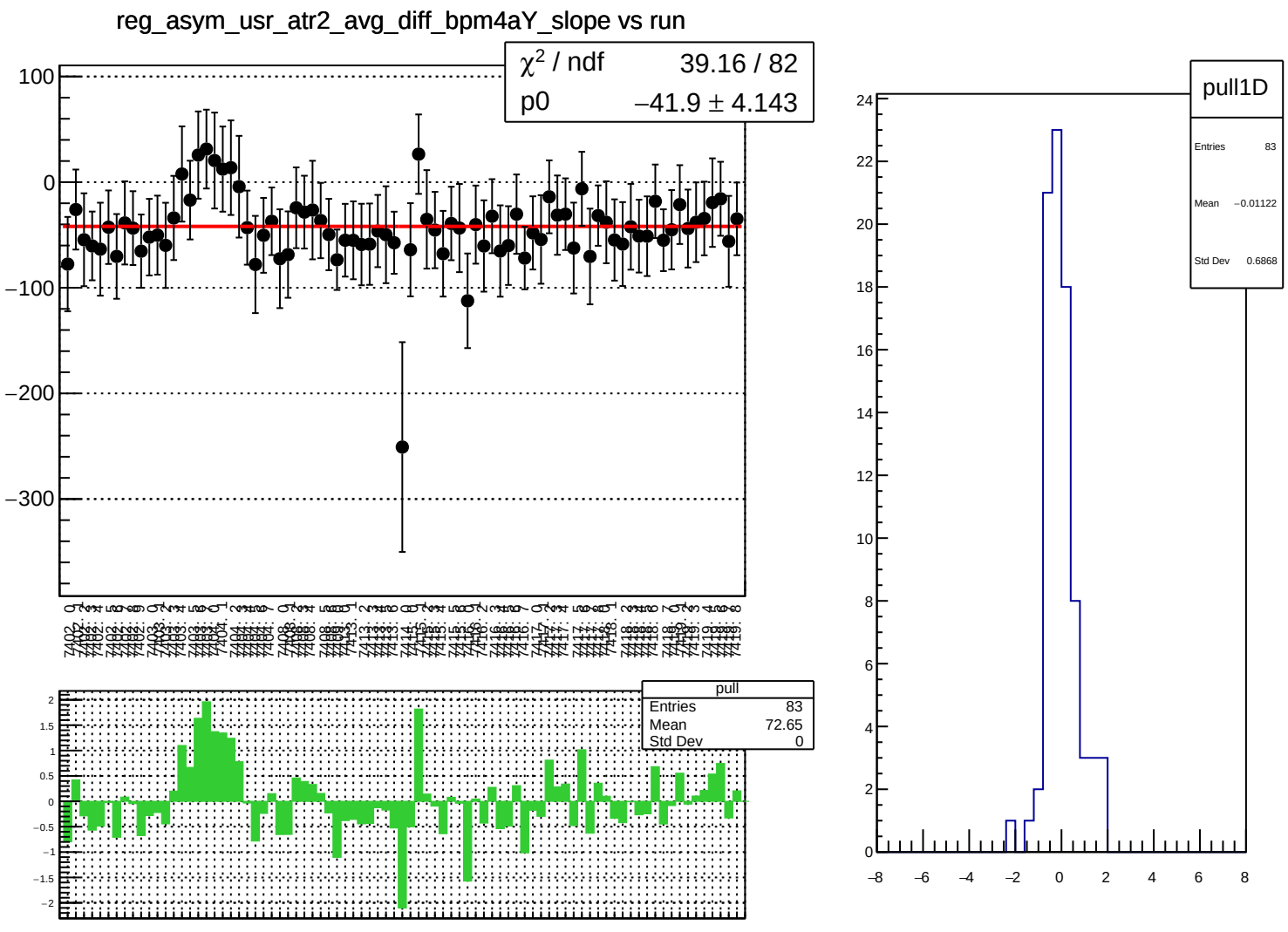

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.48 / 82
p0 26.16 ± 1.194
pull
Entries 83
Mean 165.6
Std Dev 0
pull1D
Entries 83
Mean 0.01054
Std Dev 0.9344

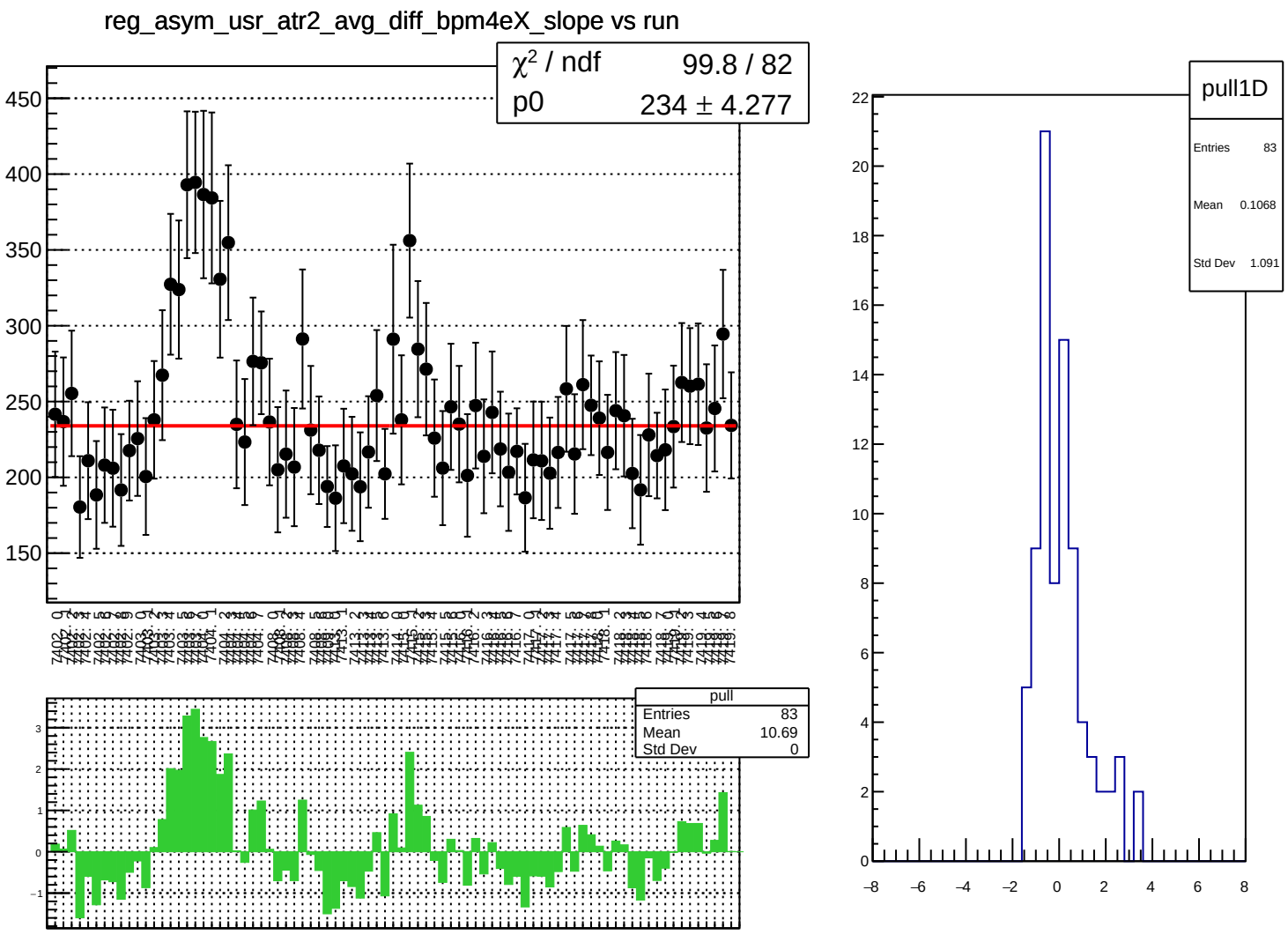

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 220.3 / 82
p0 −10.95 ± 0.05201
pull
Entries 83
Mean −7743
Std Dev 0

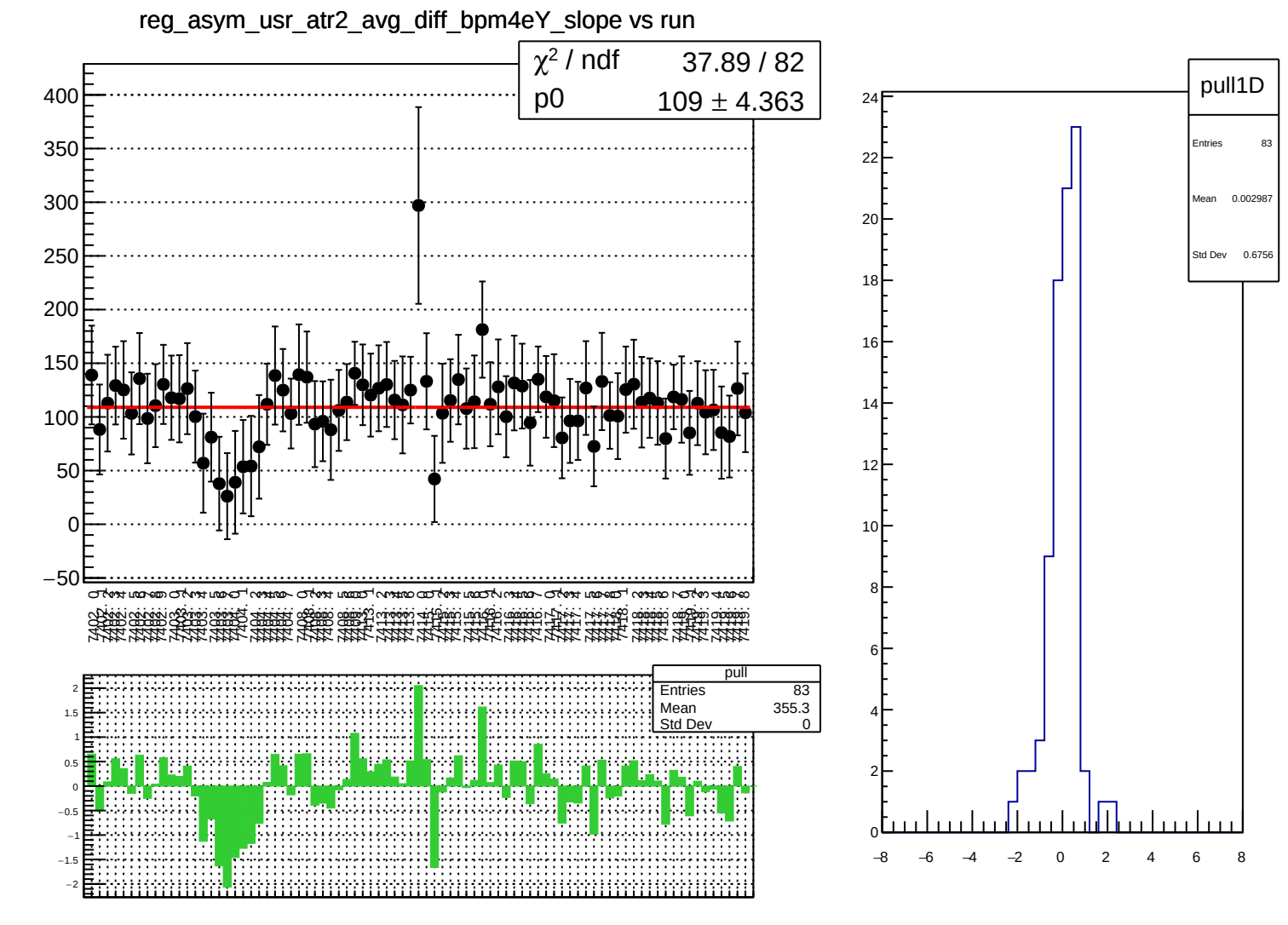

pull1D
Entries 83
Mean −0.002772
Std Dev 1.629

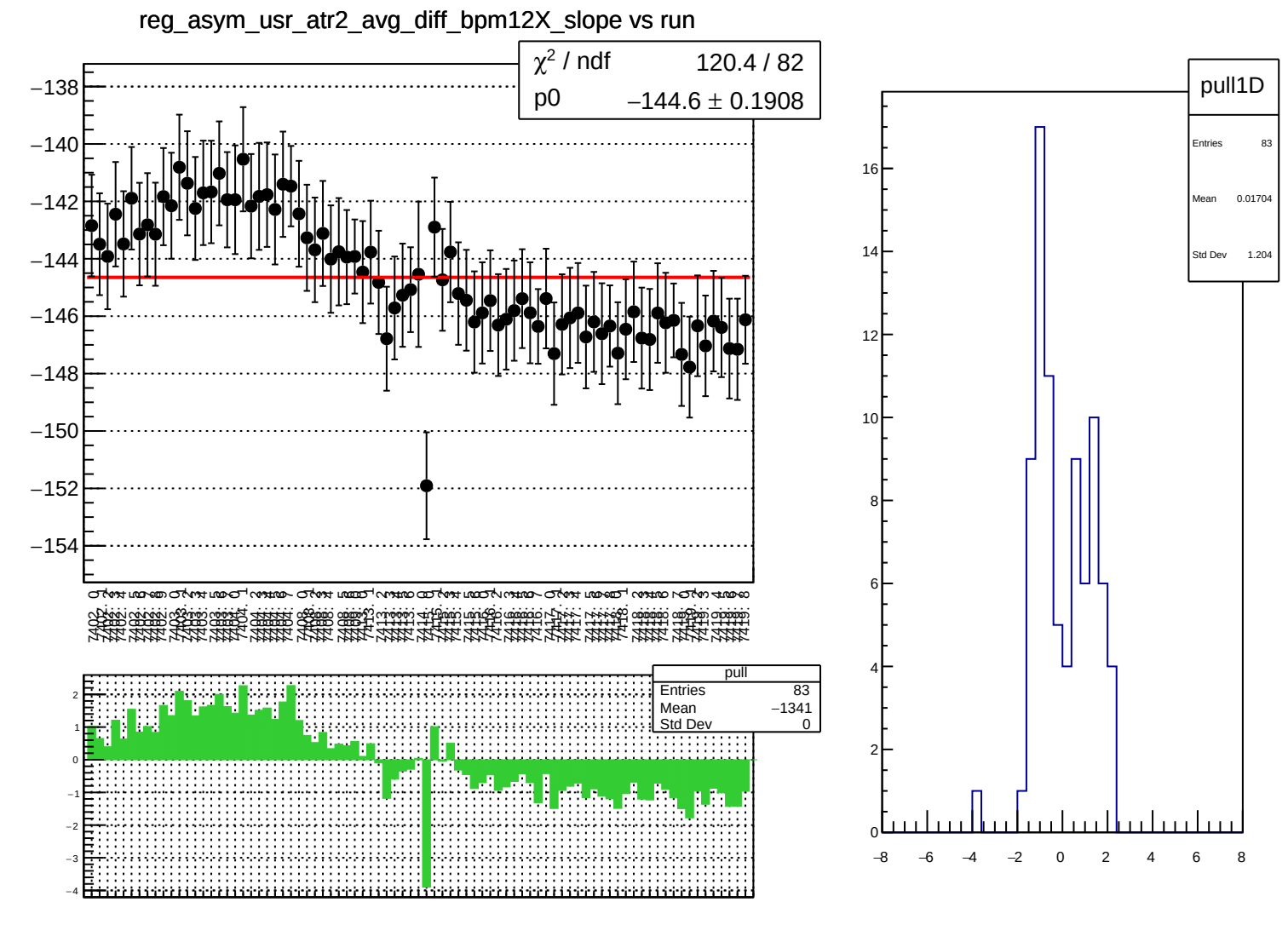

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 96.71 / 82
p0 −152.3 ± 4.144
−50
−100
−150
−200
−250
−300
−350
pull
Entries 83
Mean 14.32
Std Dev 6.144
1
0
−1
−2
−3

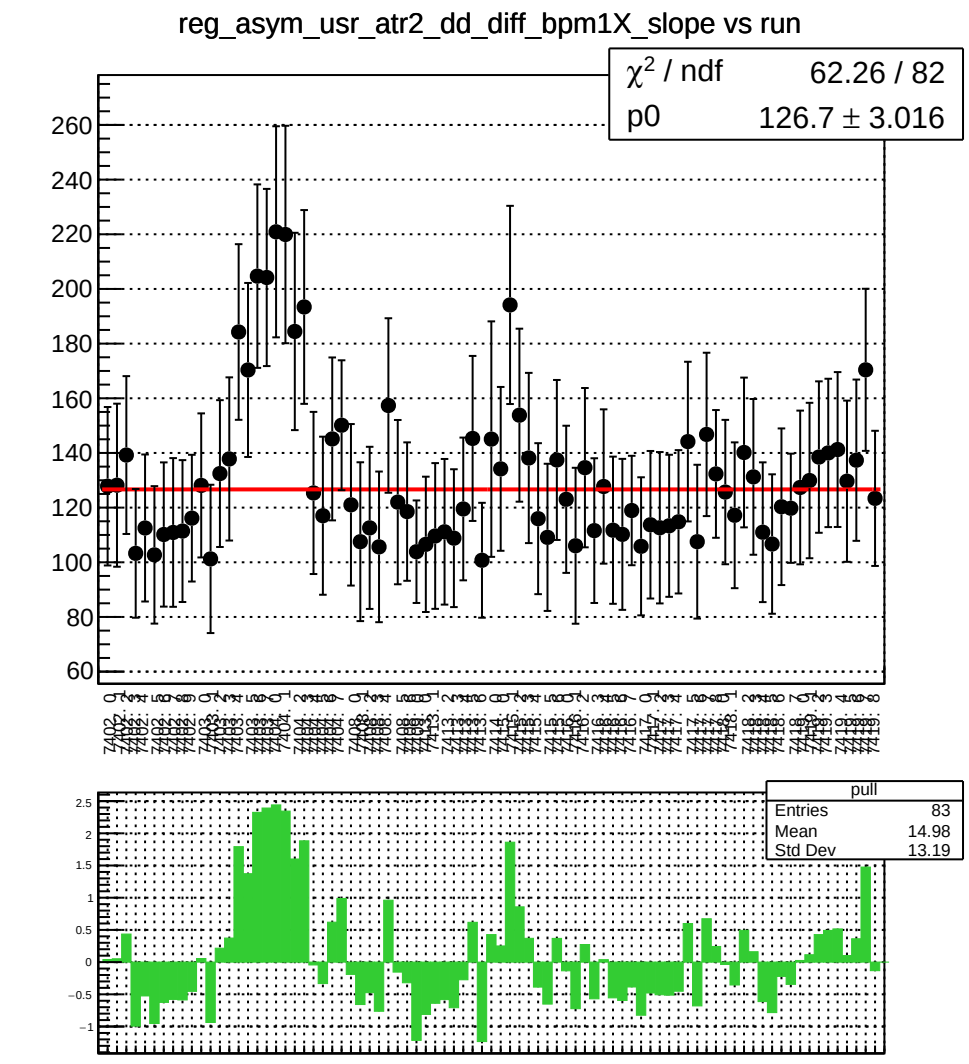

pull1D
Entries 83
Mean −0.1017
Std Dev 1.075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

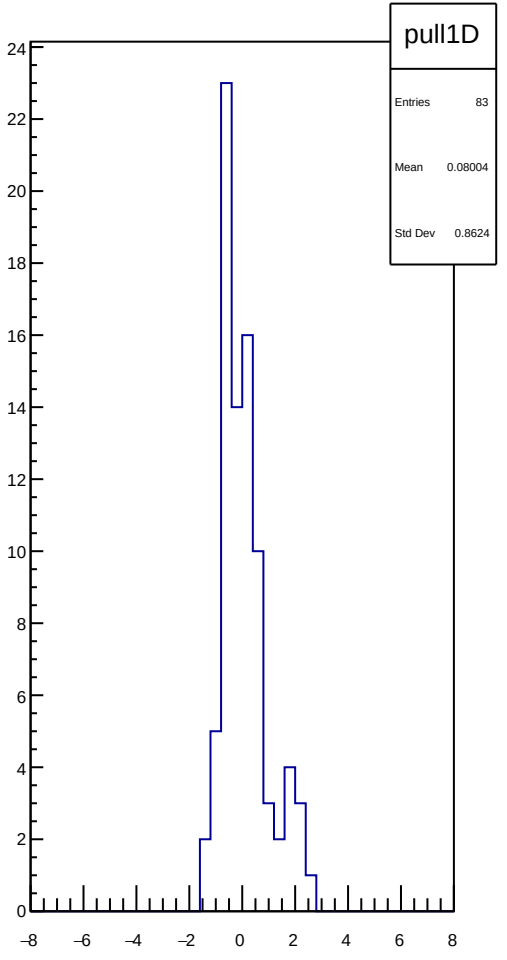

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.16 / 82
p0 −41.9 ± 4.143
100
0
−100
−200
−300
pull
Entries 83
Mean 72.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.01122
Std Dev 0.6868
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

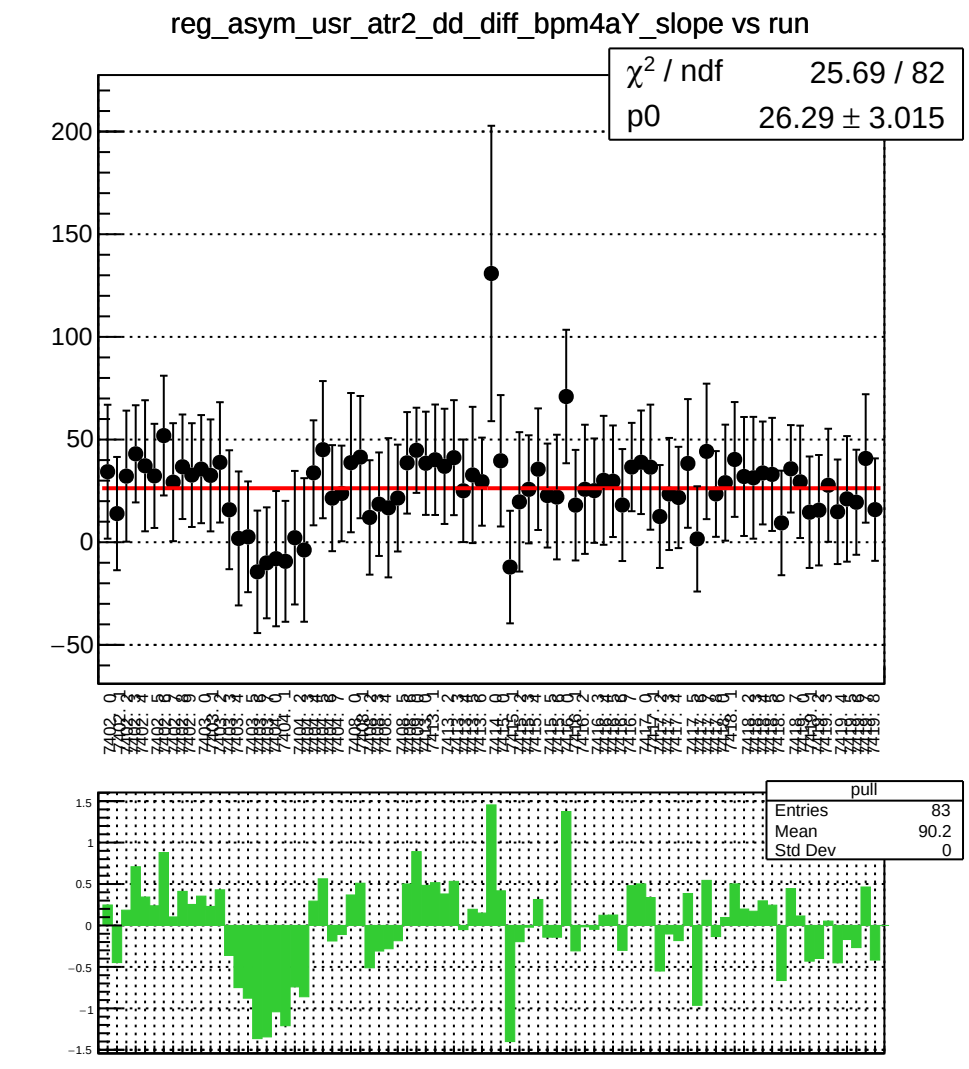

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.8 / 82
p0 234 ± 4.277
pull
Entries 83
Mean 10.69
Std Dev 0
pull1D
Entries 83
Mean 0.1068
Std Dev 1.091

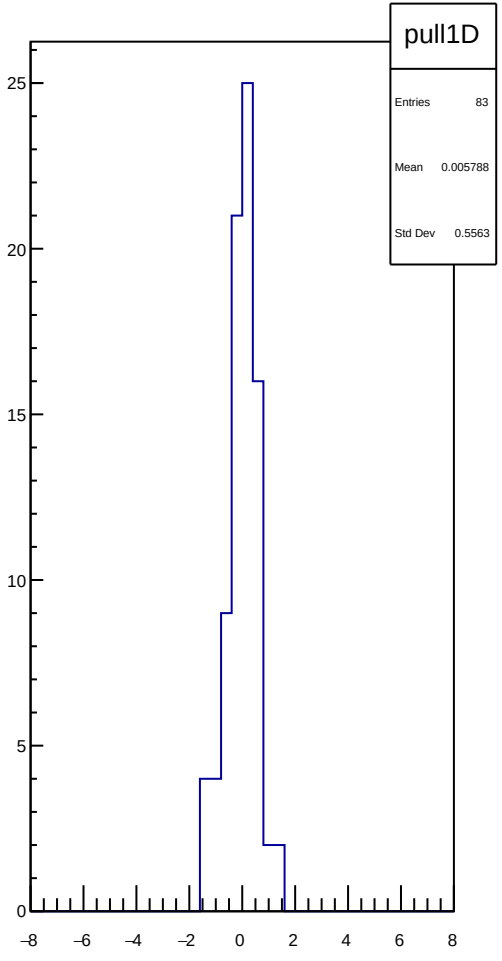

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.89 / 82
p0 109 ± 4.363
pull
Entries 83
Mean 355.3
Std Dev 0
pull1D
Entries 83
Mean 0.002987
Std Dev 0.6756

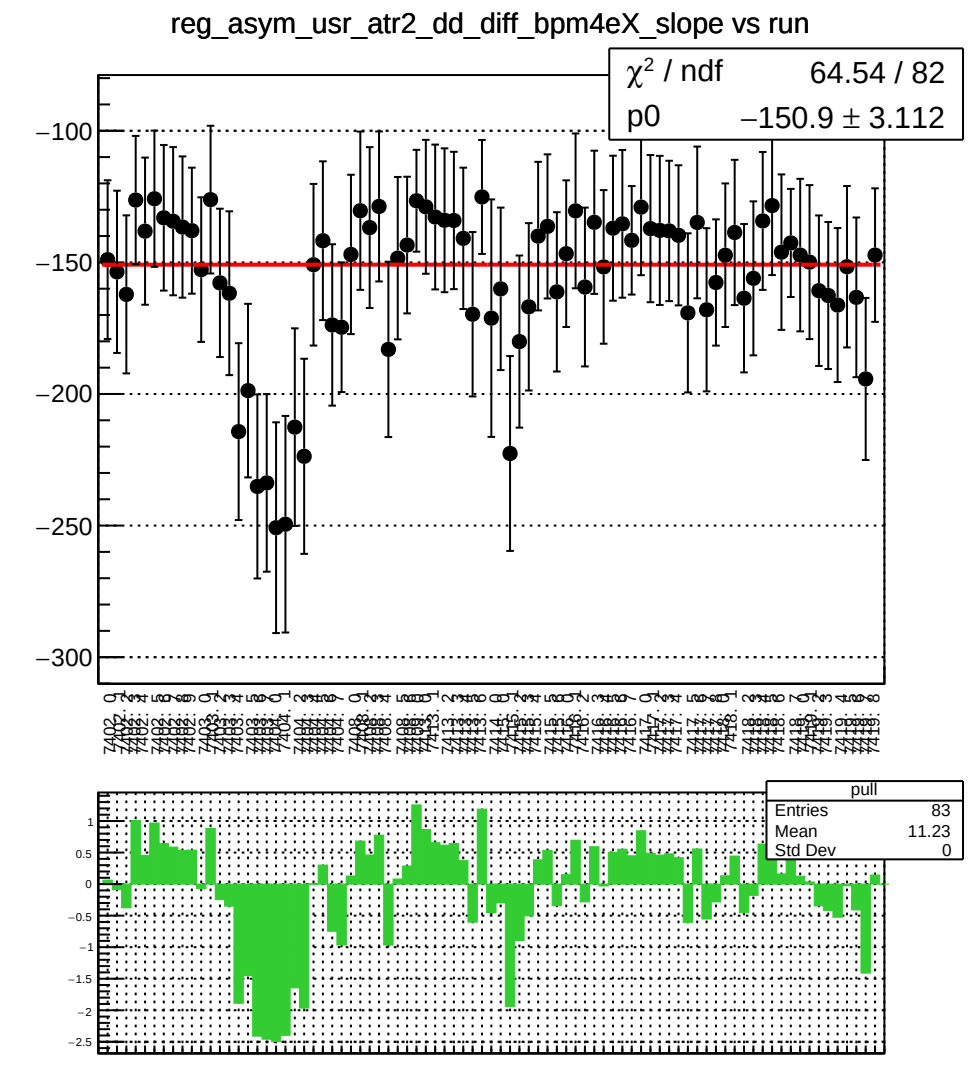

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 120.4 / 82
p0 −144.6 ± 0.1908
pull
Entries 83
Mean −1341
Std Dev 0
pull1D
Entries 83
Mean 0.01704
Std Dev 1.204

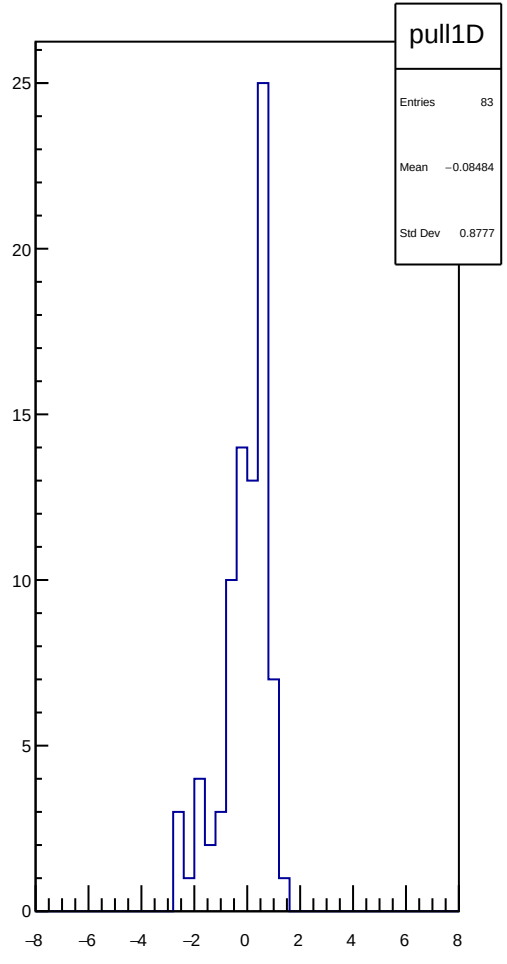

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.26 / 82
p0 126.7 ± 3.016
pull
Entries 83
Mean 14.98
Std Dev 13.19

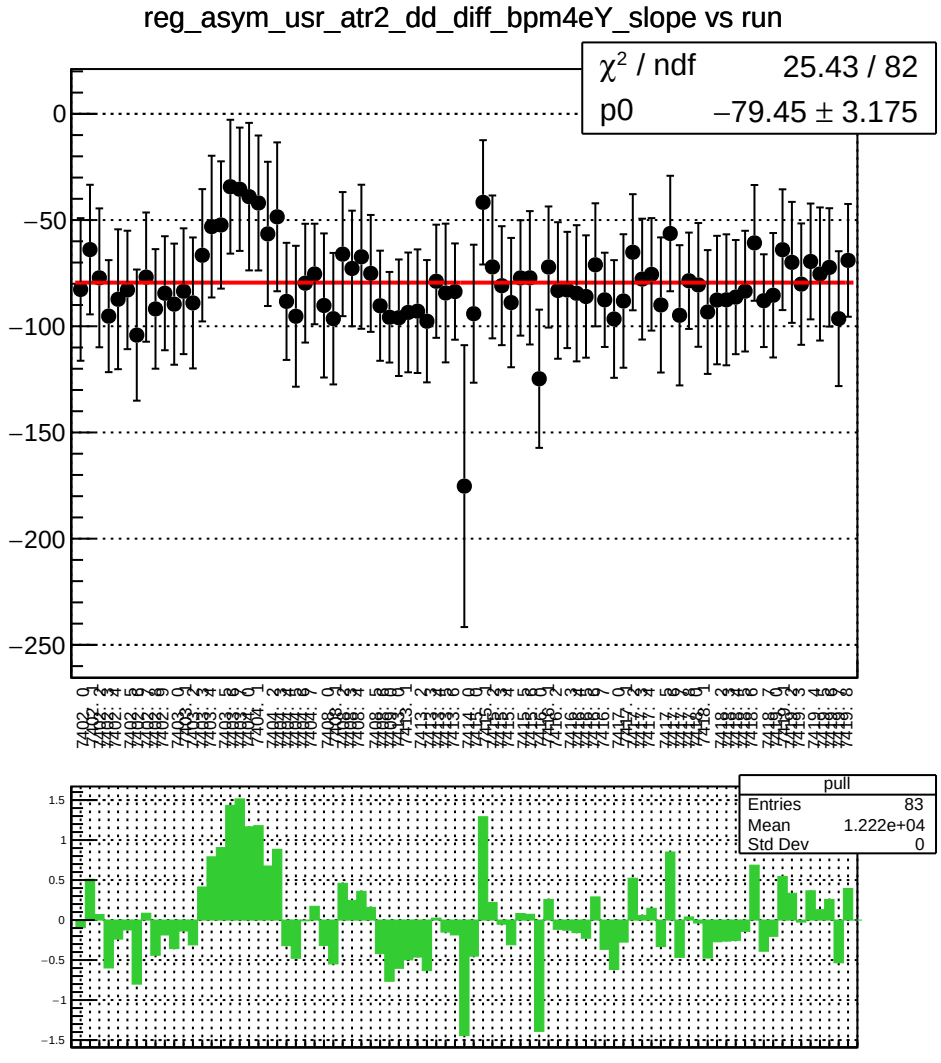

pull1D
Entries 83
Mean 0.08004
Std Dev 0.8624

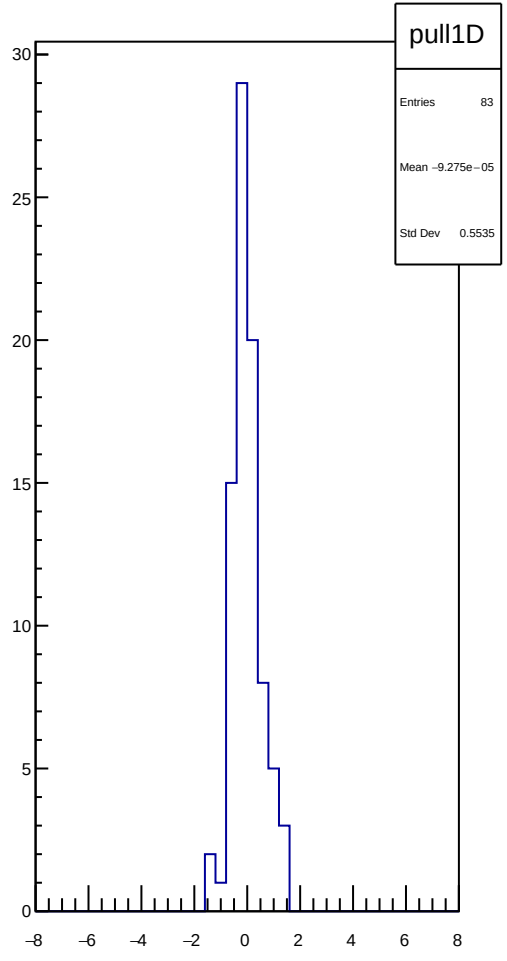

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.69 / 82
p0 26.29 ± 3.015
pull
Entries 83
Mean 90.2
Std Dev 0

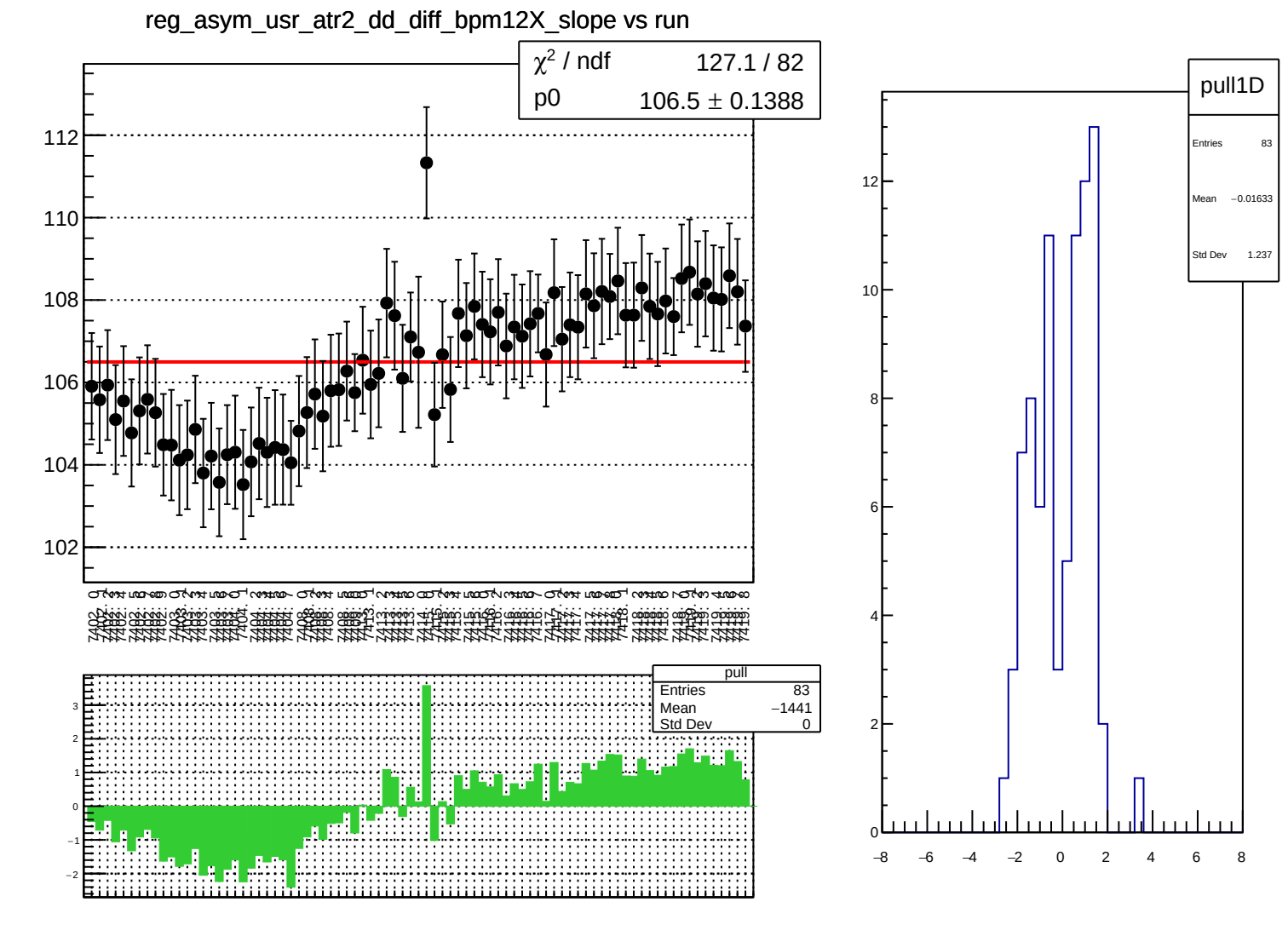

pull1D
Entries 83
Mean 0.005788
Std Dev 0.5563

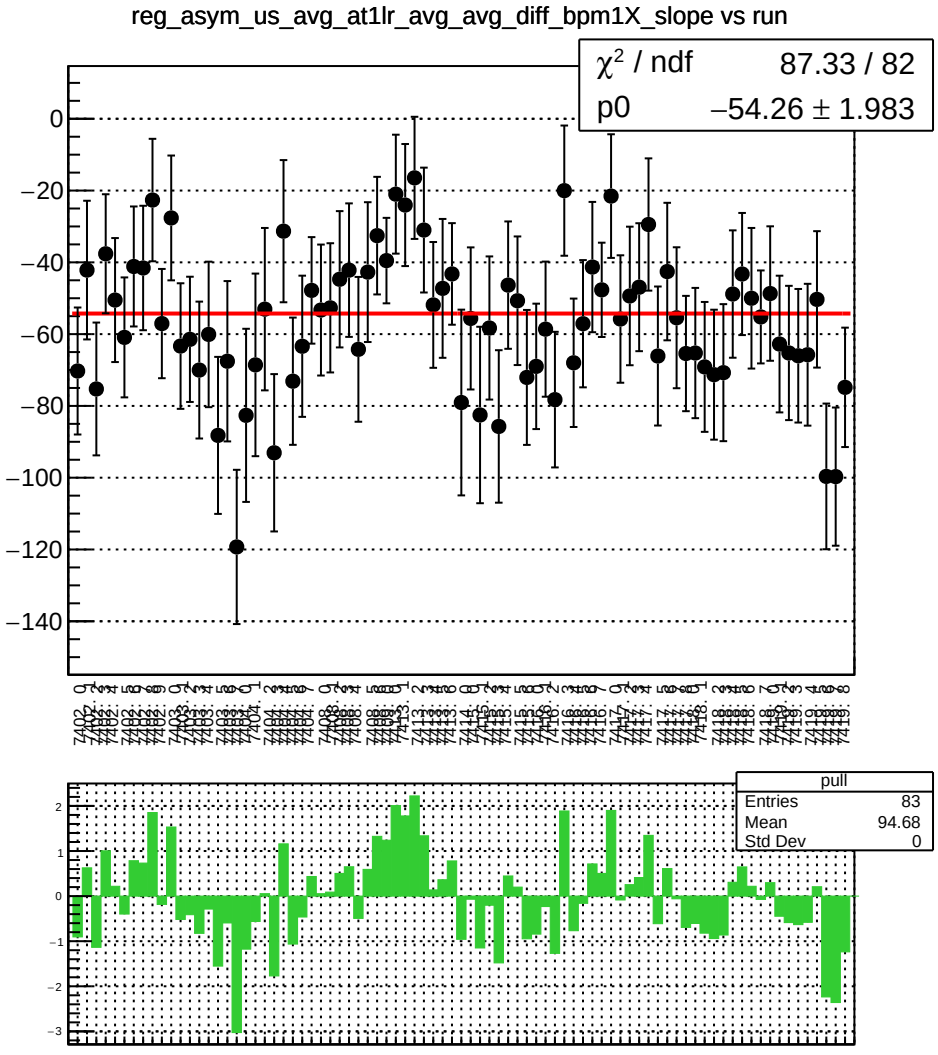

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.54 / 82
p0 −150.9 ± 3.112
−100
−150
−200
−250
−300
pull
Entries 83
Mean 11.23
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

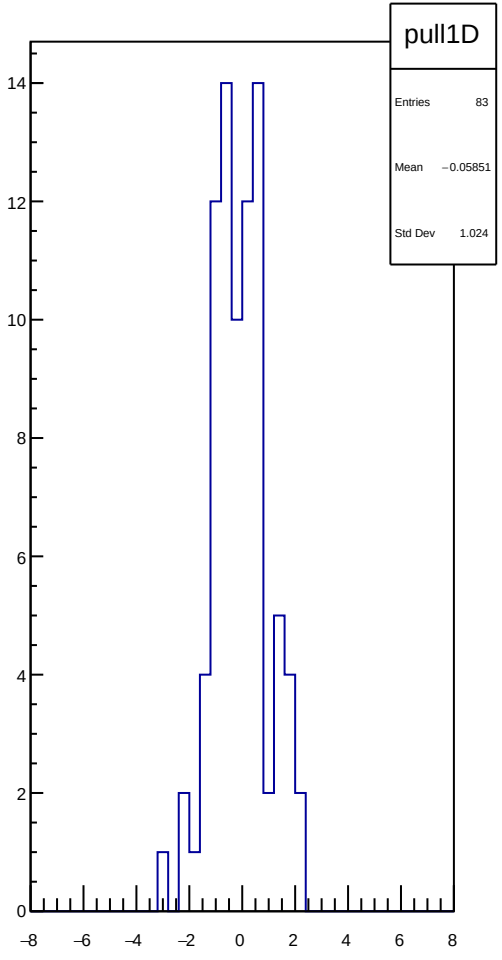

pull1D
Entries 83
Mean −0.08484
Std Dev 0.8777
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

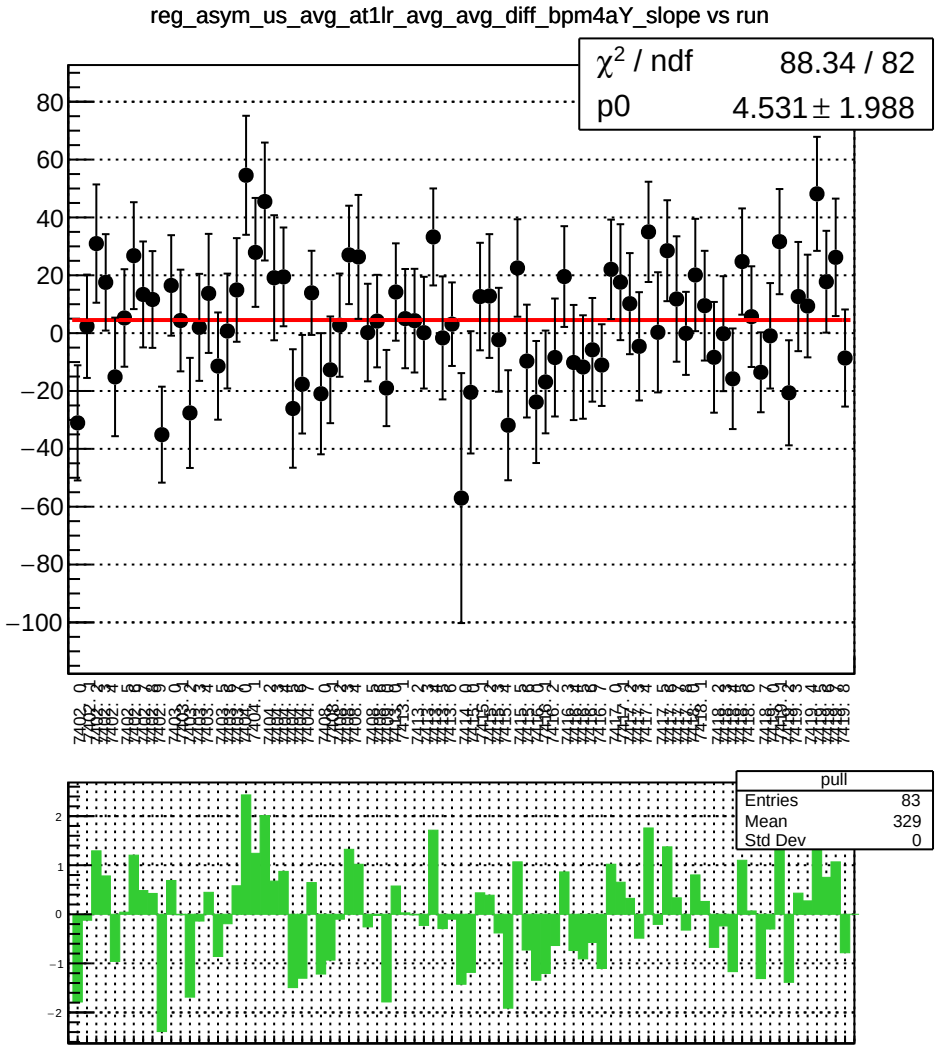

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.43 / 82
p0 −79.45 ± 3.175
0
−50
−100
−150
−200
−250
pull
Entries 83
Mean 1.222e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

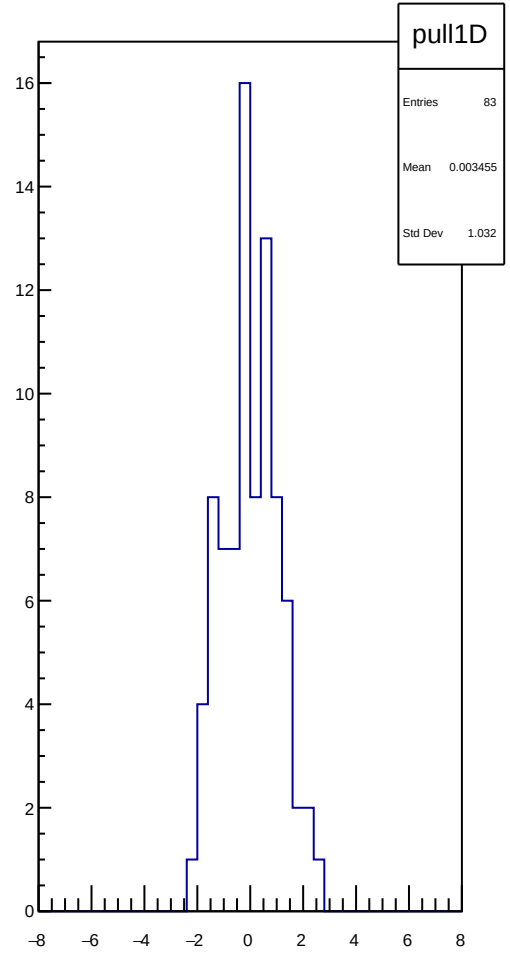

pull1D
Entries 83
Mean −9.275e−05
Std Dev 0.5535
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

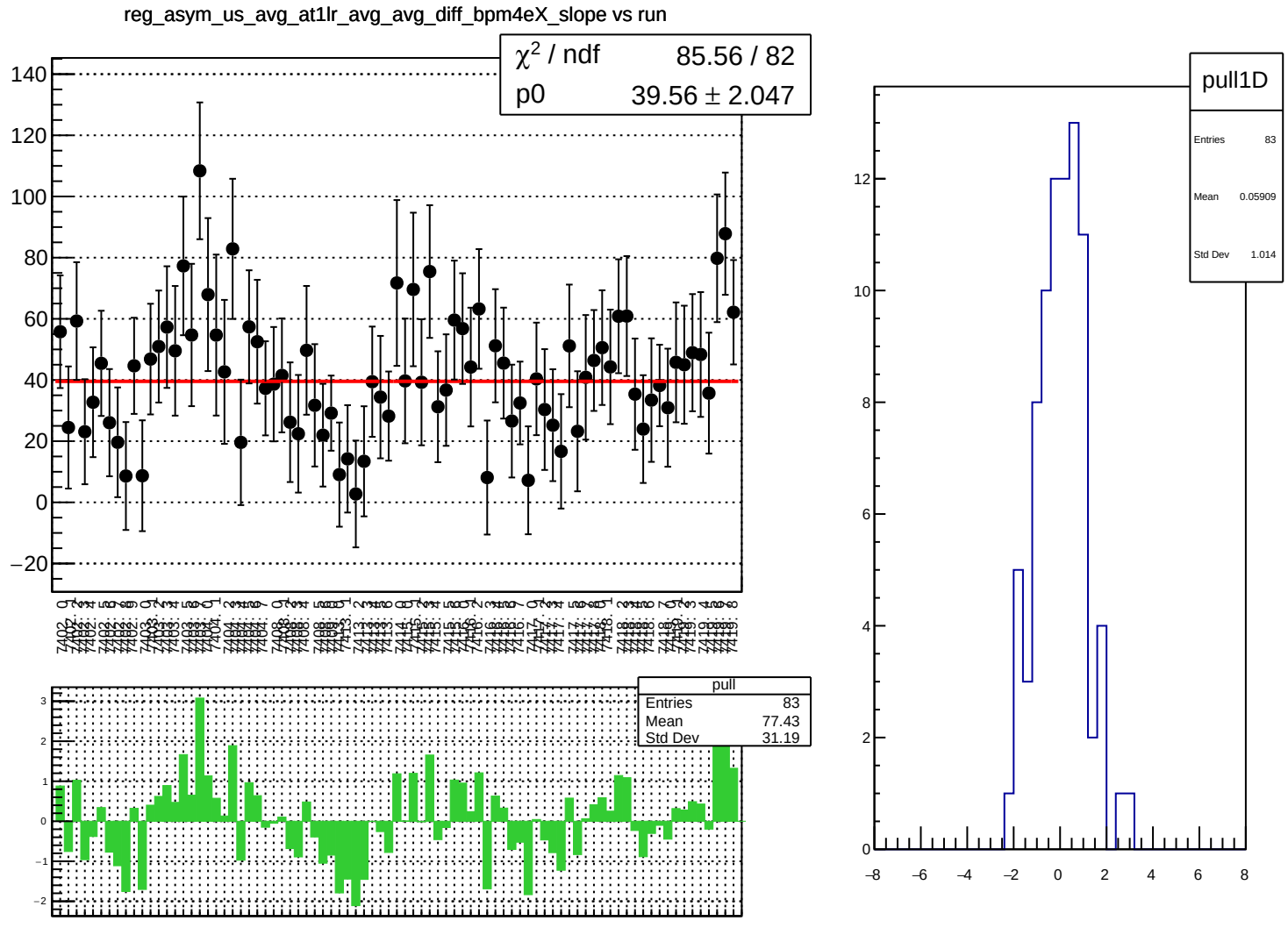

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 127.1 / 82
p0 106.5 ± 0.1388
112
110
108
106
104
102
pull
Entries 83
Mean −1441
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01633
Std Dev 1.237
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

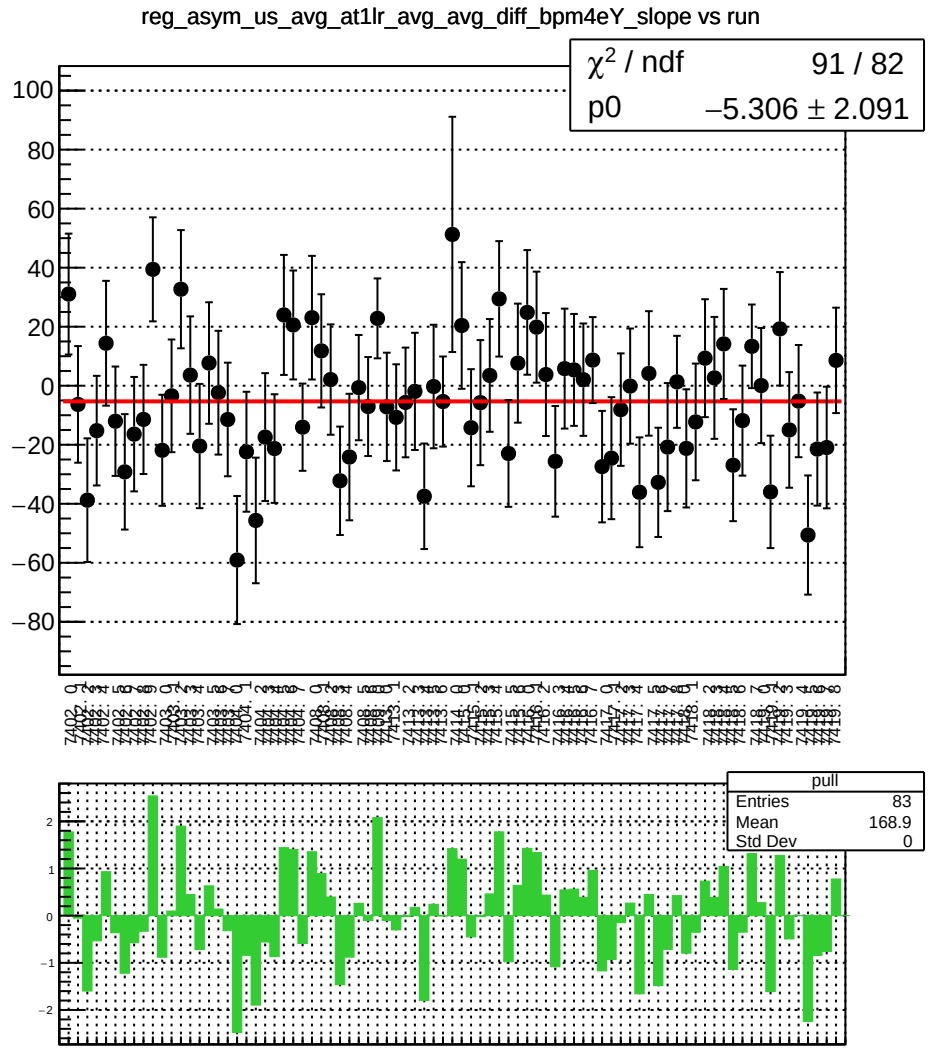

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 87.33 / 82
p0 −54.26 ± 1.983
pull
Entries 83
Mean 94.68
Std Dev 0

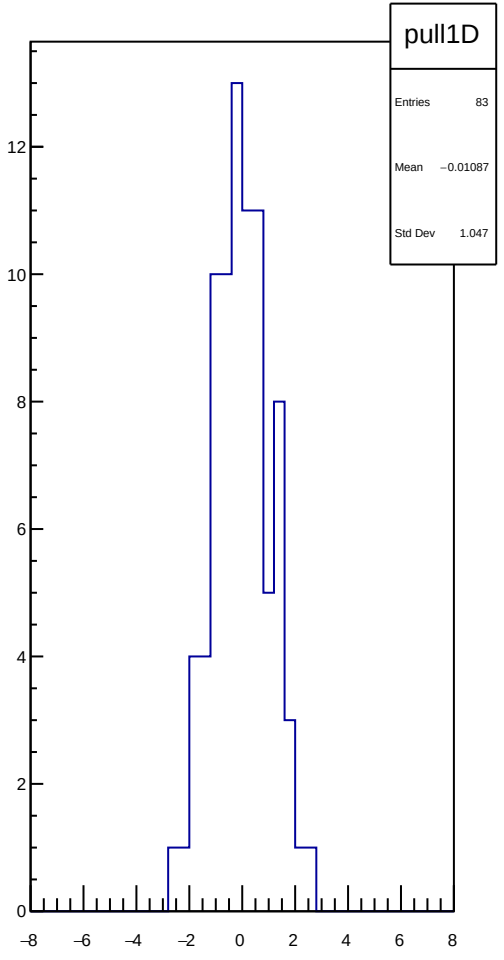

pull1D
Entries 83
Mean −0.05851
Std Dev 1.024

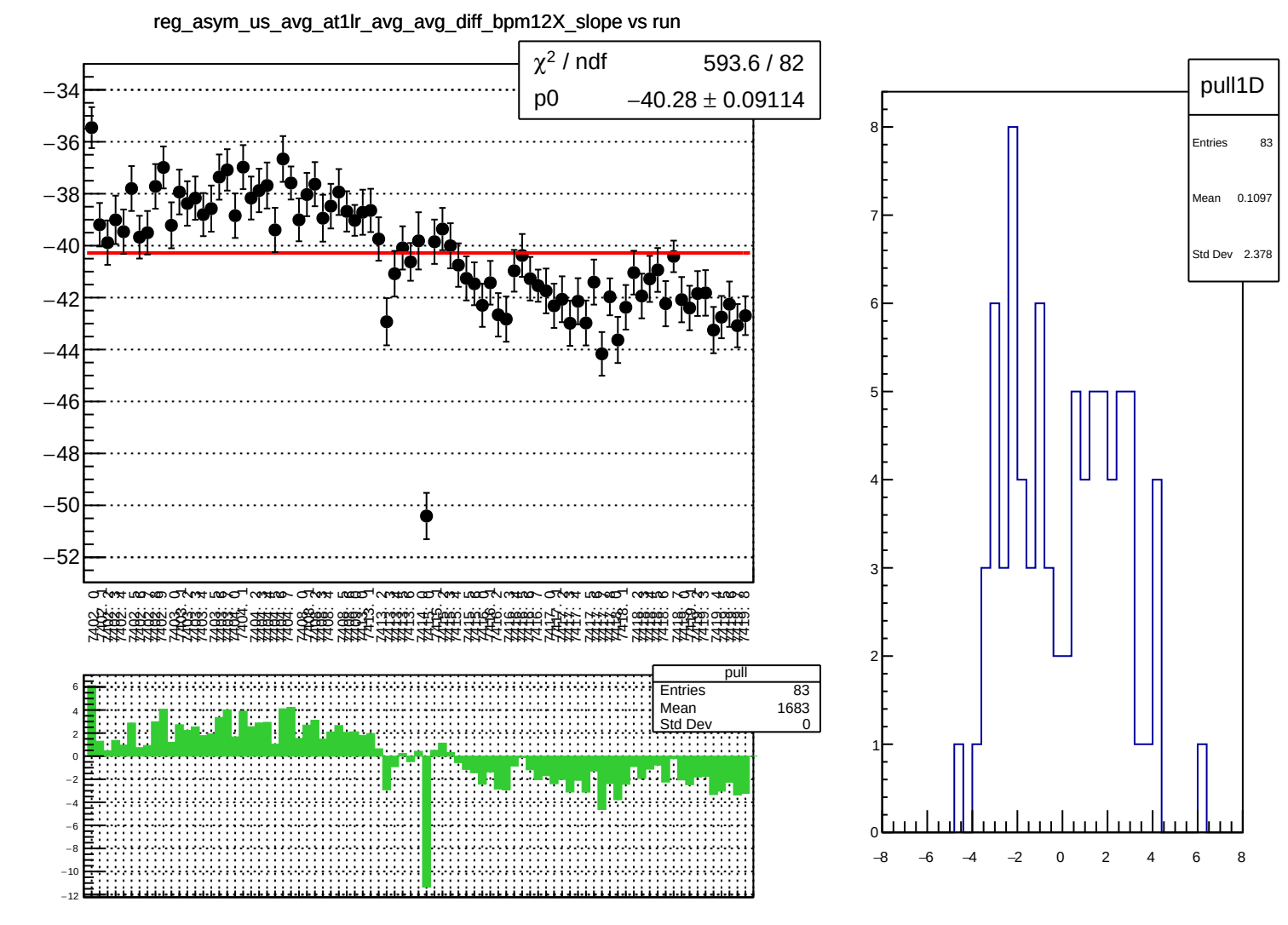

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 88.34 / 82
p0 4.531 ± 1.988
pull
Entries 83
Mean 329
Std Dev 0

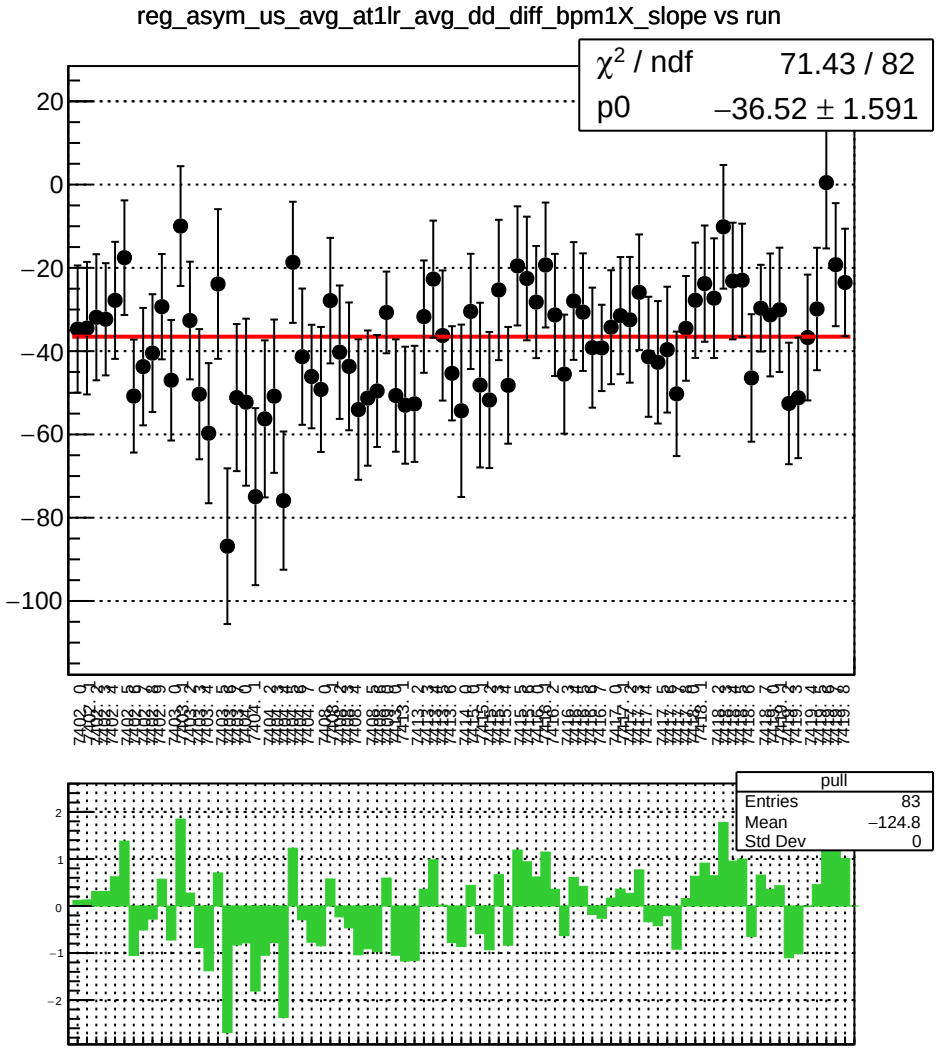

pull1D
Entries 83
Mean 0.003455
Std Dev 1.032

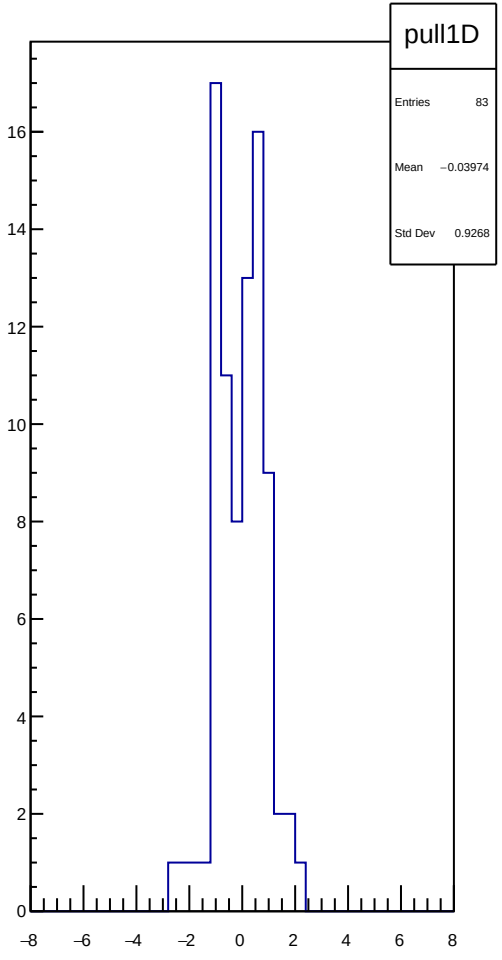

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 85.56 / 82
p0 39.56 ± 2.047
pull
Entries 83
Mean 77.43
Std Dev 31.19
pull1D
Entries 83
Mean 0.05909
Std Dev 1.014

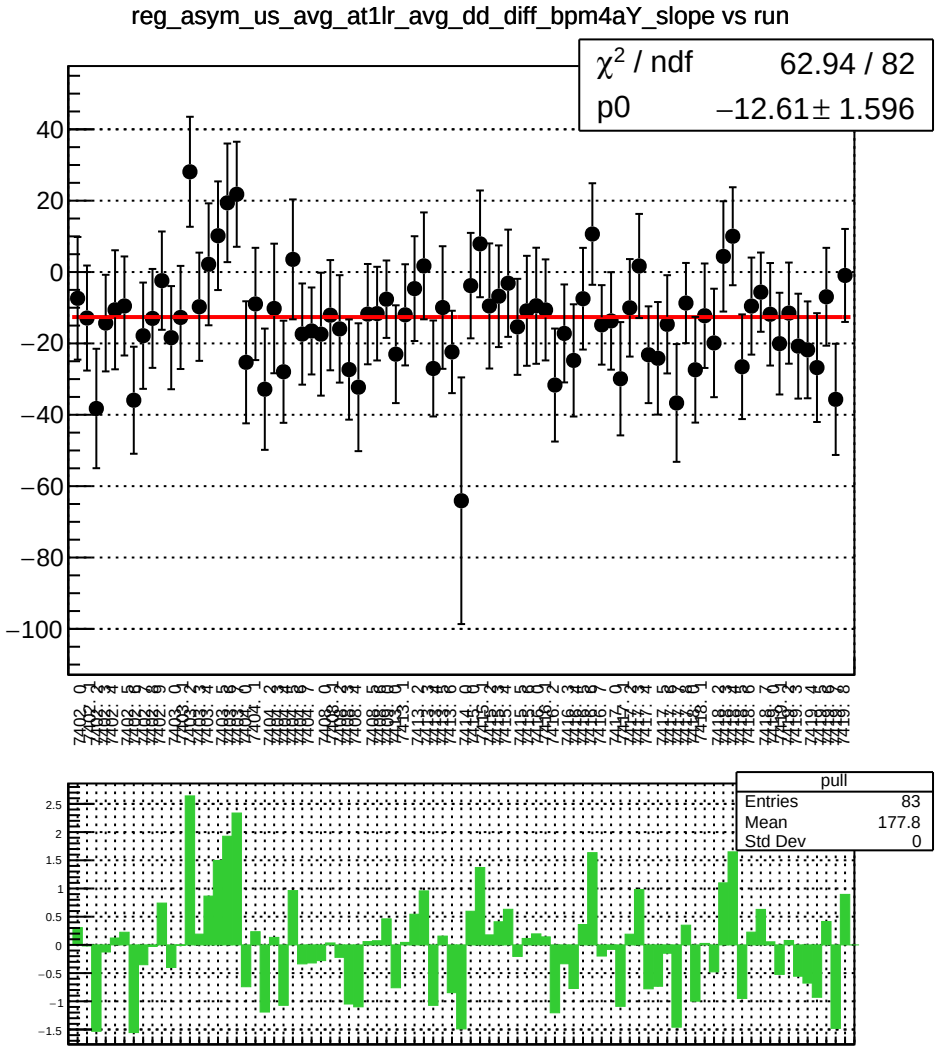

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 91 / 82
p0 −5.306 ± 2.091
pull
Entries 83
Mean 168.9
Std Dev 0

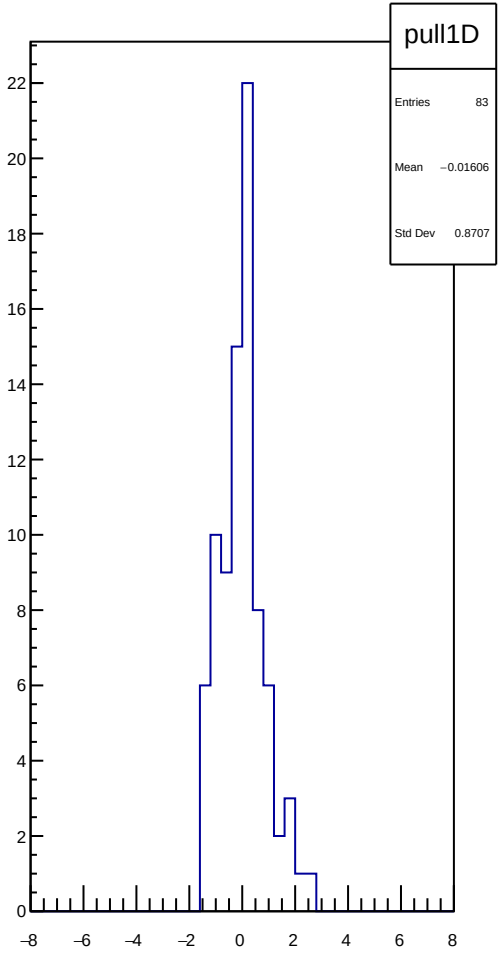

pull1D
Entries 83
Mean −0.01087
Std Dev 1.047

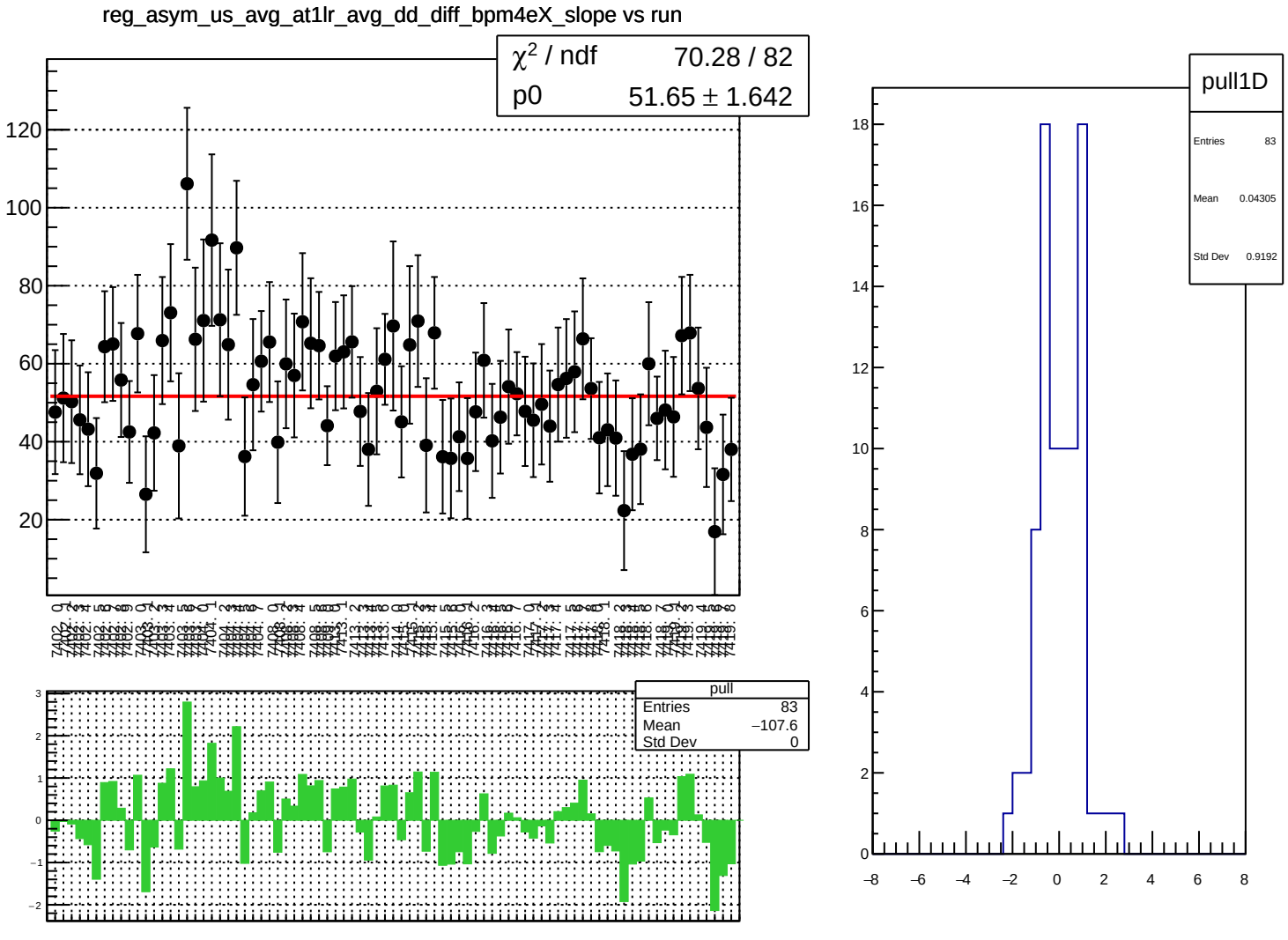

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 593.6 / 82
p0 −40.28 ± 0.09114
pull
Entries 83
Mean 1683
Std Dev 0
pull1D
Entries 83
Mean 0.1097
Std Dev 2.378

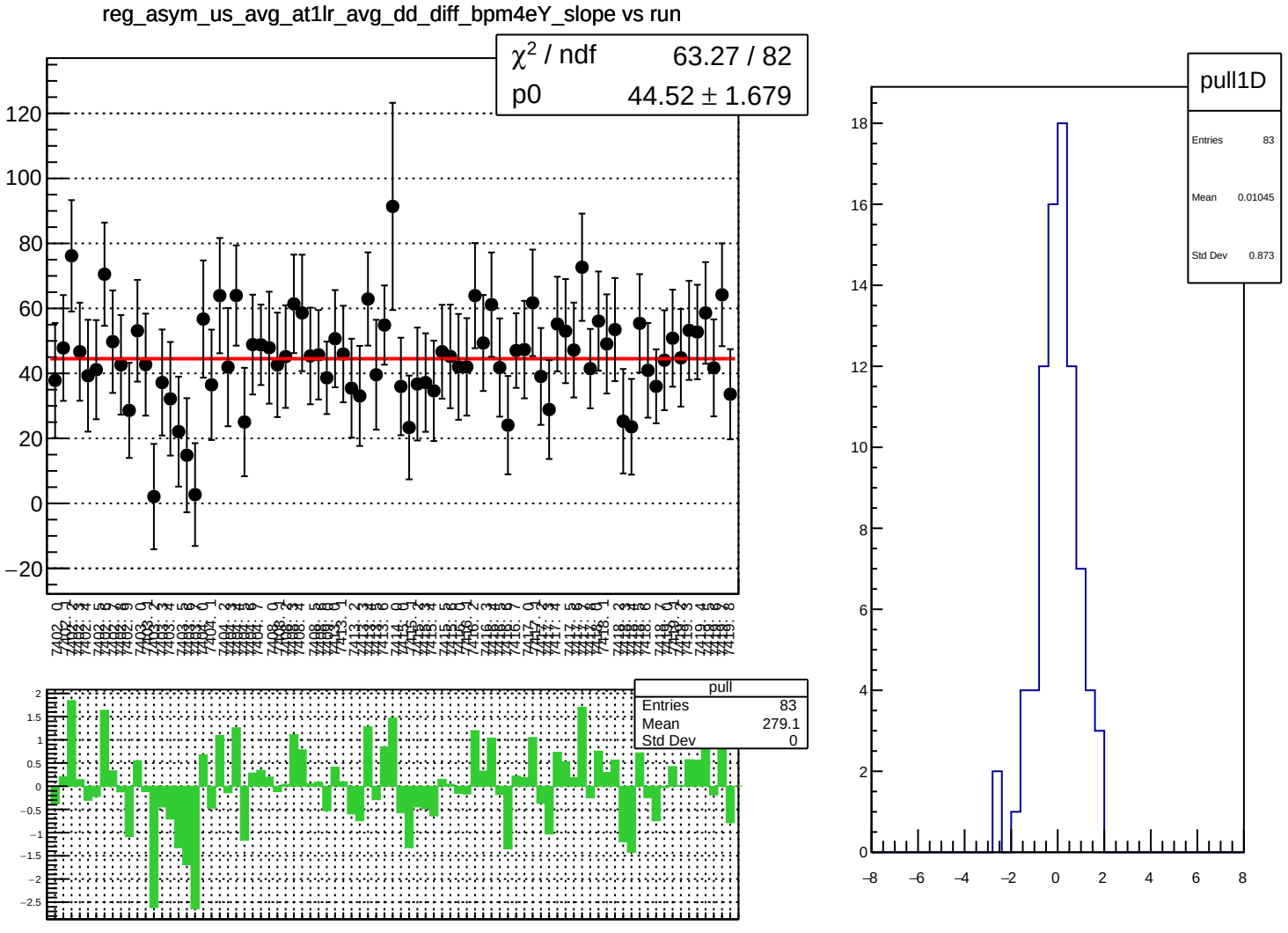

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 71.43 / 82
p0 −36.52 ± 1.591
pull
Entries 83
Mean −124.8
Std Dev 0

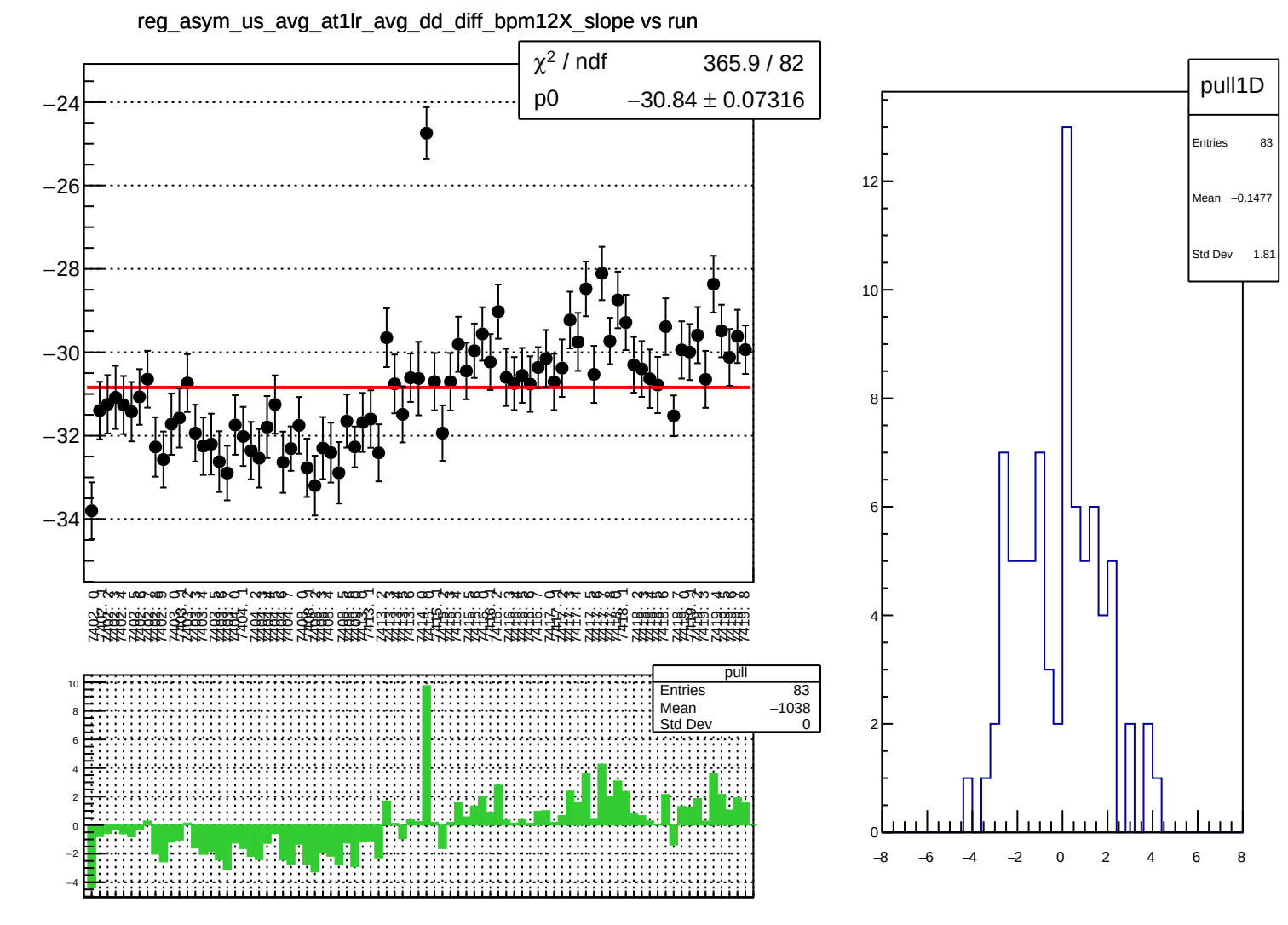

pull1D
Entries 83
Mean −0.03974
Std Dev 0.9268

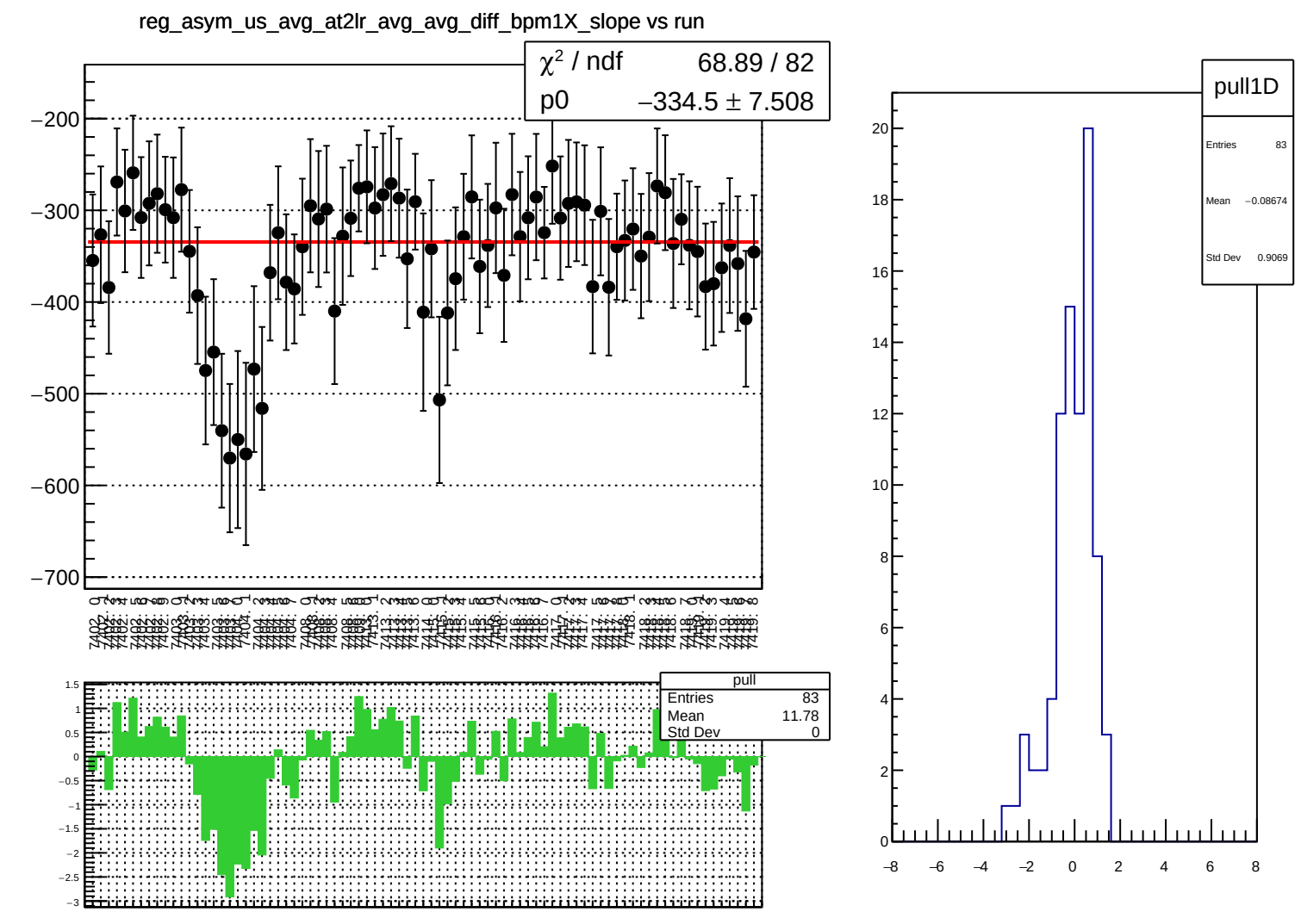

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.94 / 82
p0 −12.61± 1.596
pull
Entries 83
Mean 177.8
Std Dev 0

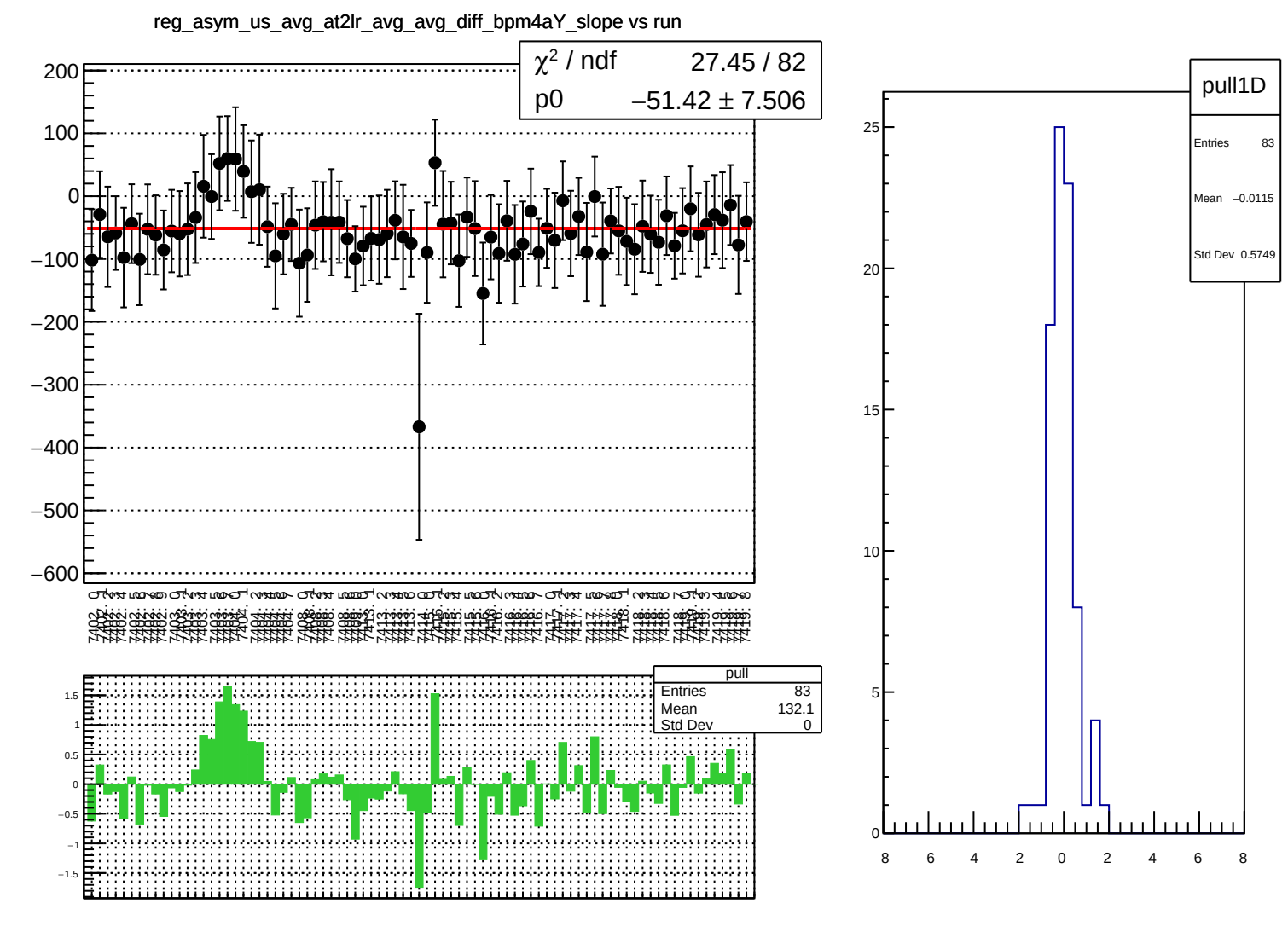

pull1D
Entries 83
Mean −0.01606
Std Dev 0.8707

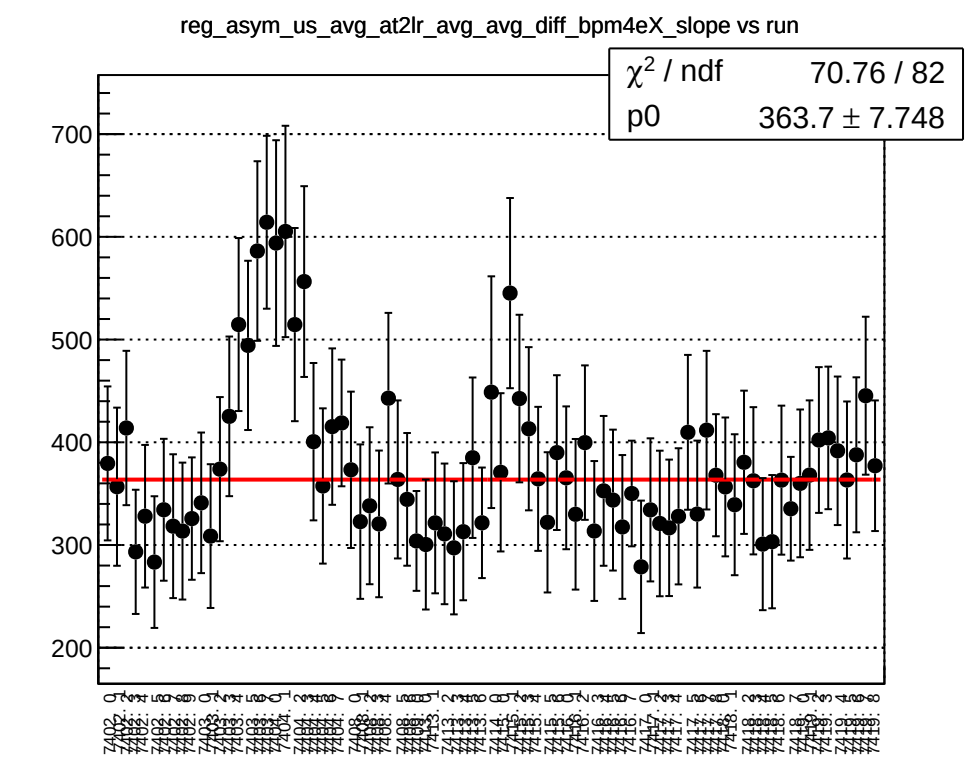

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.28 / 82
p0 51.65 ± 1.642
pull
Entries 83
Mean −107.6
Std Dev 0
pull1D
Entries 83
Mean 0.04305
Std Dev 0.9192

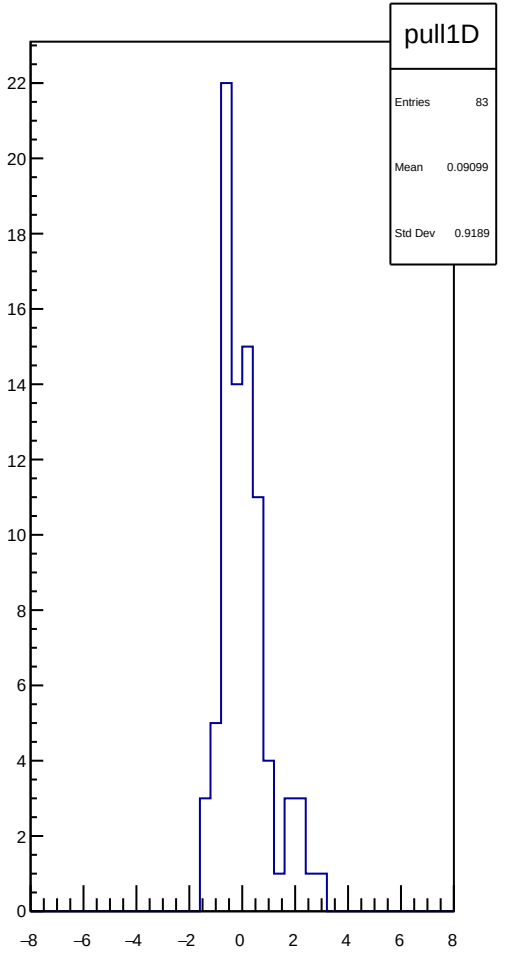

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.27 / 82
p0 44.52 ± 1.679
pull
Entries 83
Mean 279.1
Std Dev 0
pull1D
Entries 83
Mean 0.01045
Std Dev 0.873

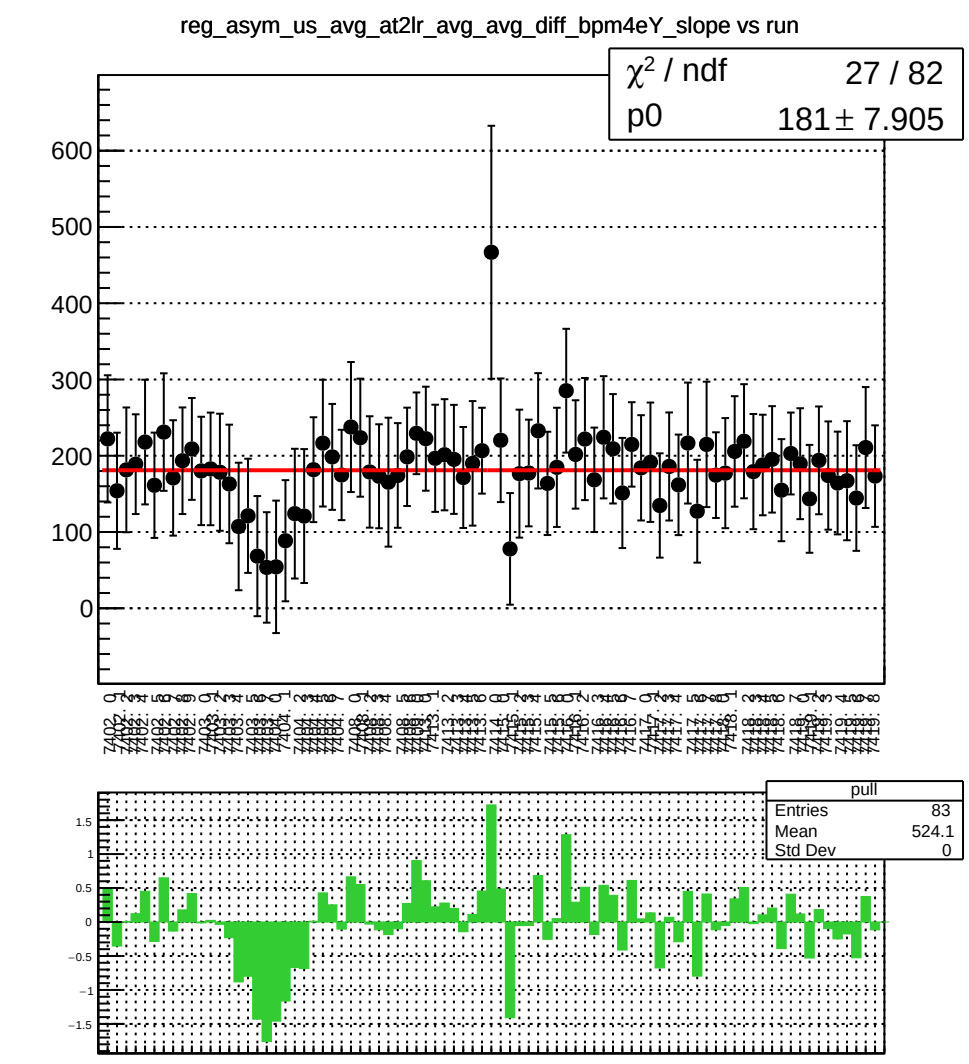

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 365.9 / 82
p0 −30.84 ± 0.07316
pull
Entries 83
Mean −1038
Std Dev 0
pull1D
Entries 83
Mean −0.1477
Std Dev 1.81

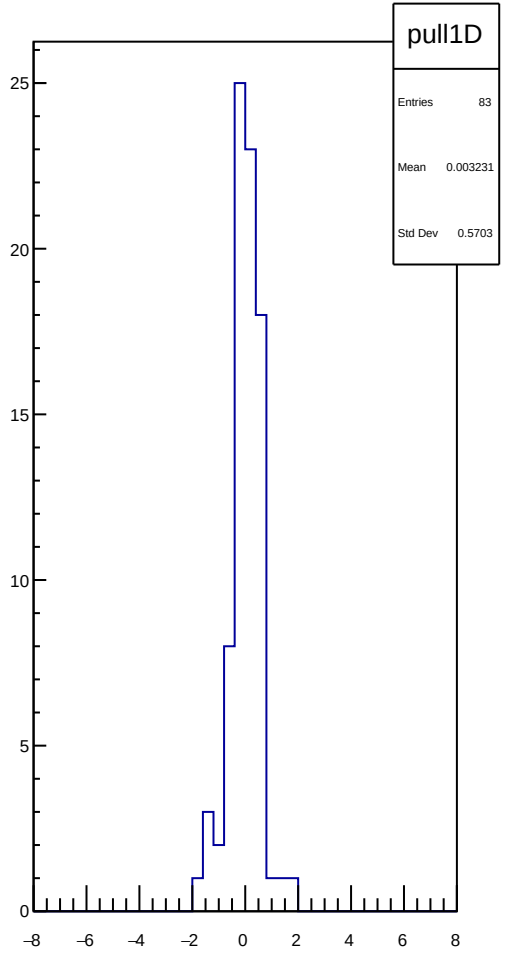

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 68.89 / 82
p0 −334.5 ± 7.508
−200
−300
−400
−500
−600
−700
pull
Entries 83
Mean 11.78
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 83
Mean −0.08674
Std Dev 0.9069
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

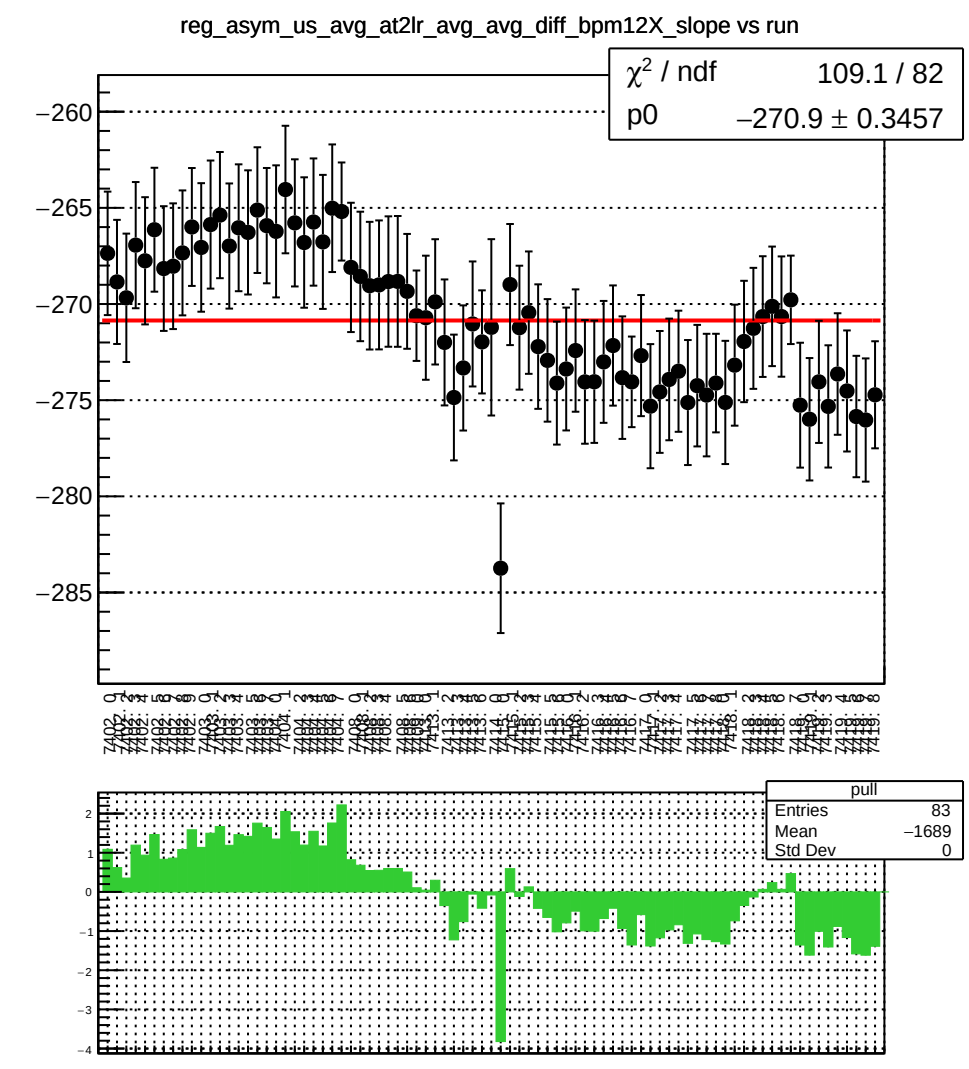

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.45 / 82
p0 −51.42 ± 7.506
pull
Entries 83
Mean 132.1
Std Dev 0
pull1D
Entries 83
Mean −0.0115
Std Dev 0.5749

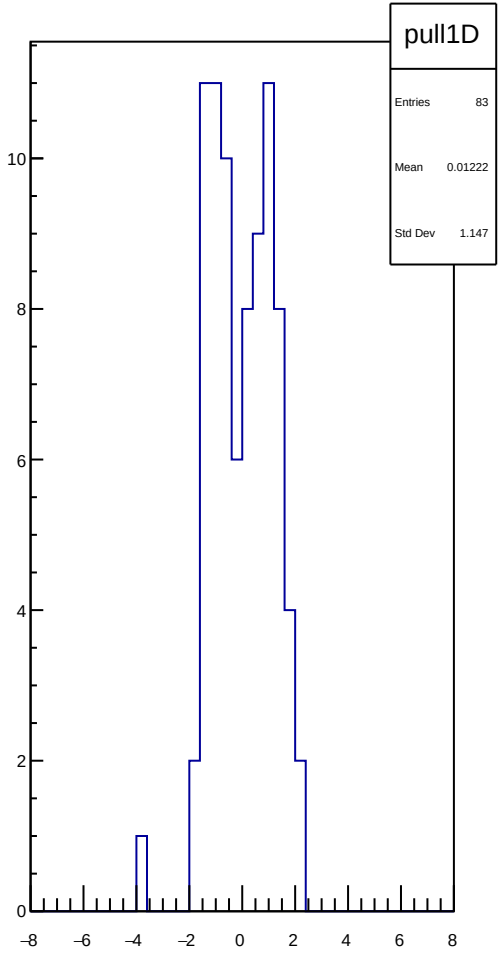

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.76 / 82
p0 363.7 ± 7.748
pull
Entries 83
Mean 7.682
Std Dev 0

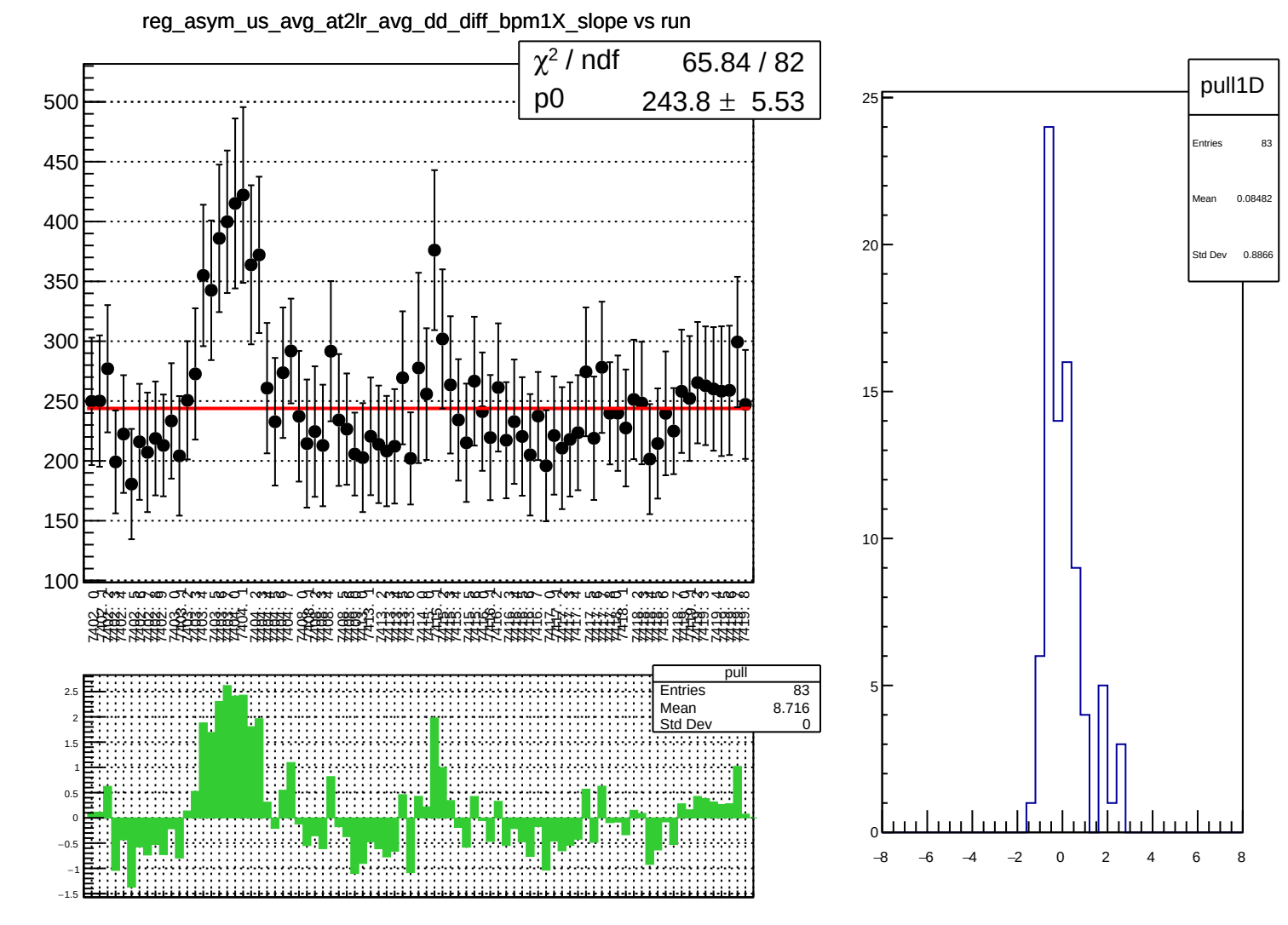

pull1D
Entries 83
Mean 0.09099
Std Dev 0.9189

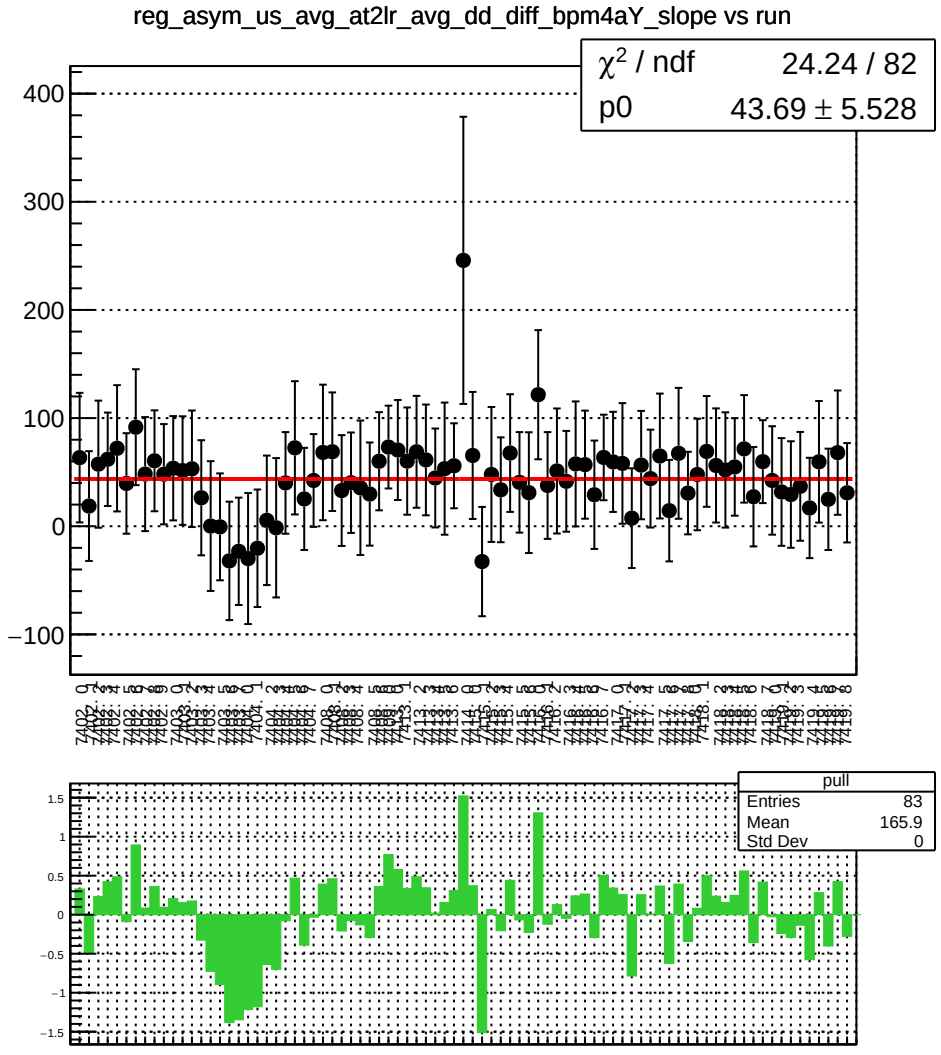

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 27 / 82
p0 181 ± 7.905
pull
Entries 83
Mean 524.1
Std Dev 0

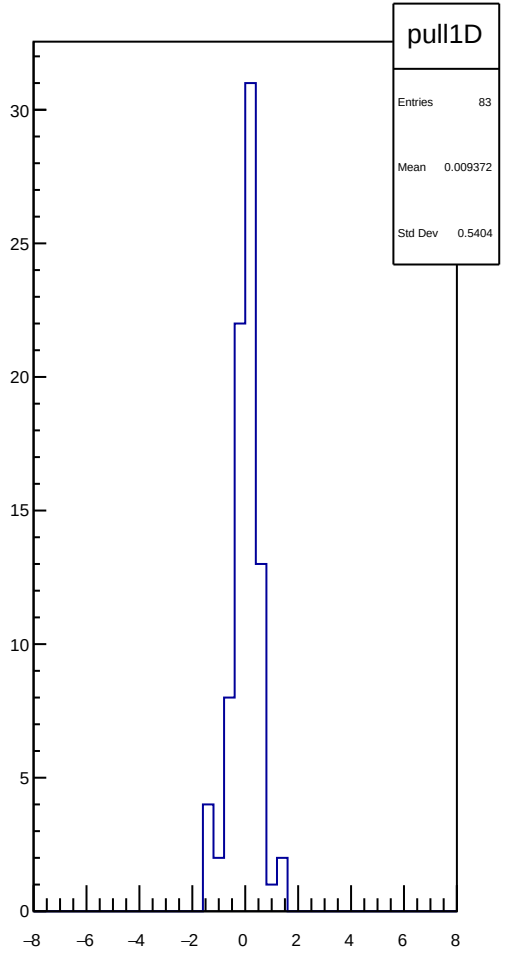

pull1D
Entries 83
Mean 0.003231
Std Dev 0.5703

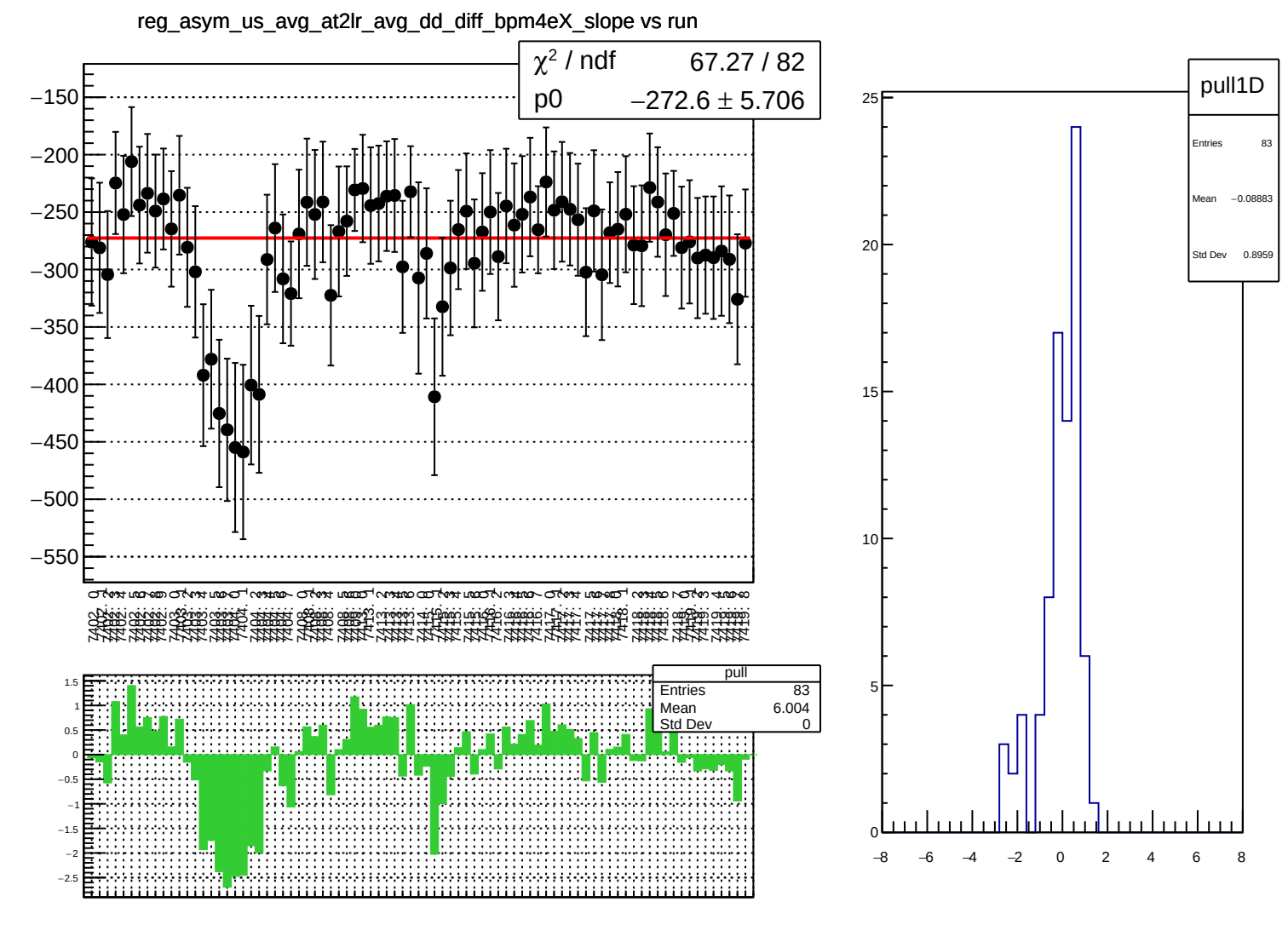

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 109.1 / 82
p0 −270.9 ± 0.3457
pull
Entries 83
Mean −1689
Std Dev 0

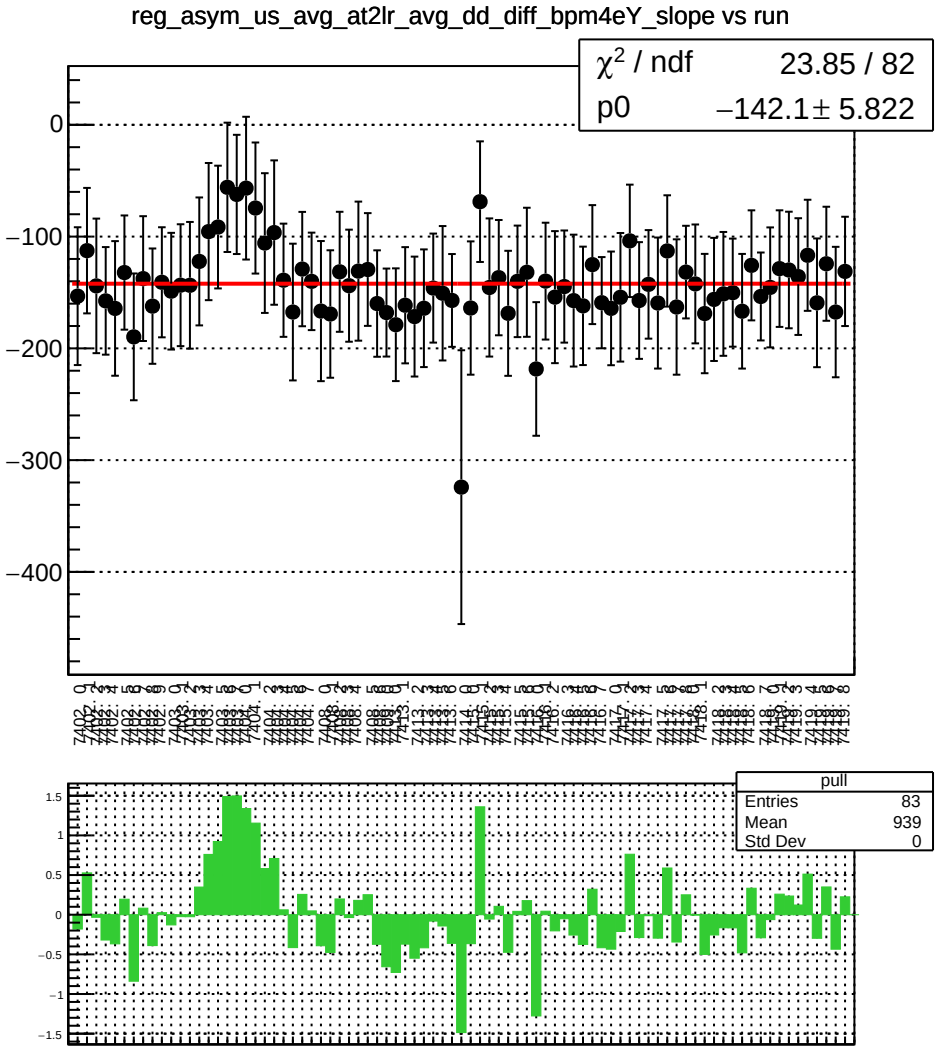

pull1D
Entries 83
Mean 0.01222
Std Dev 1.147

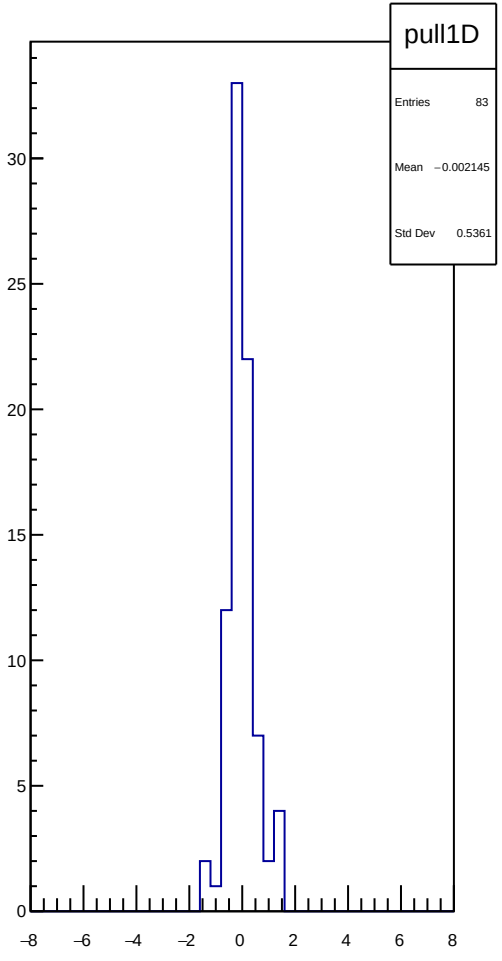

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 65.84 / 82
p0 243.8 ± 5.53
pull
Entries 83
Mean 8.716
Std Dev 0
pull1D
Entries 83
Mean 0.08482
Std Dev 0.8866

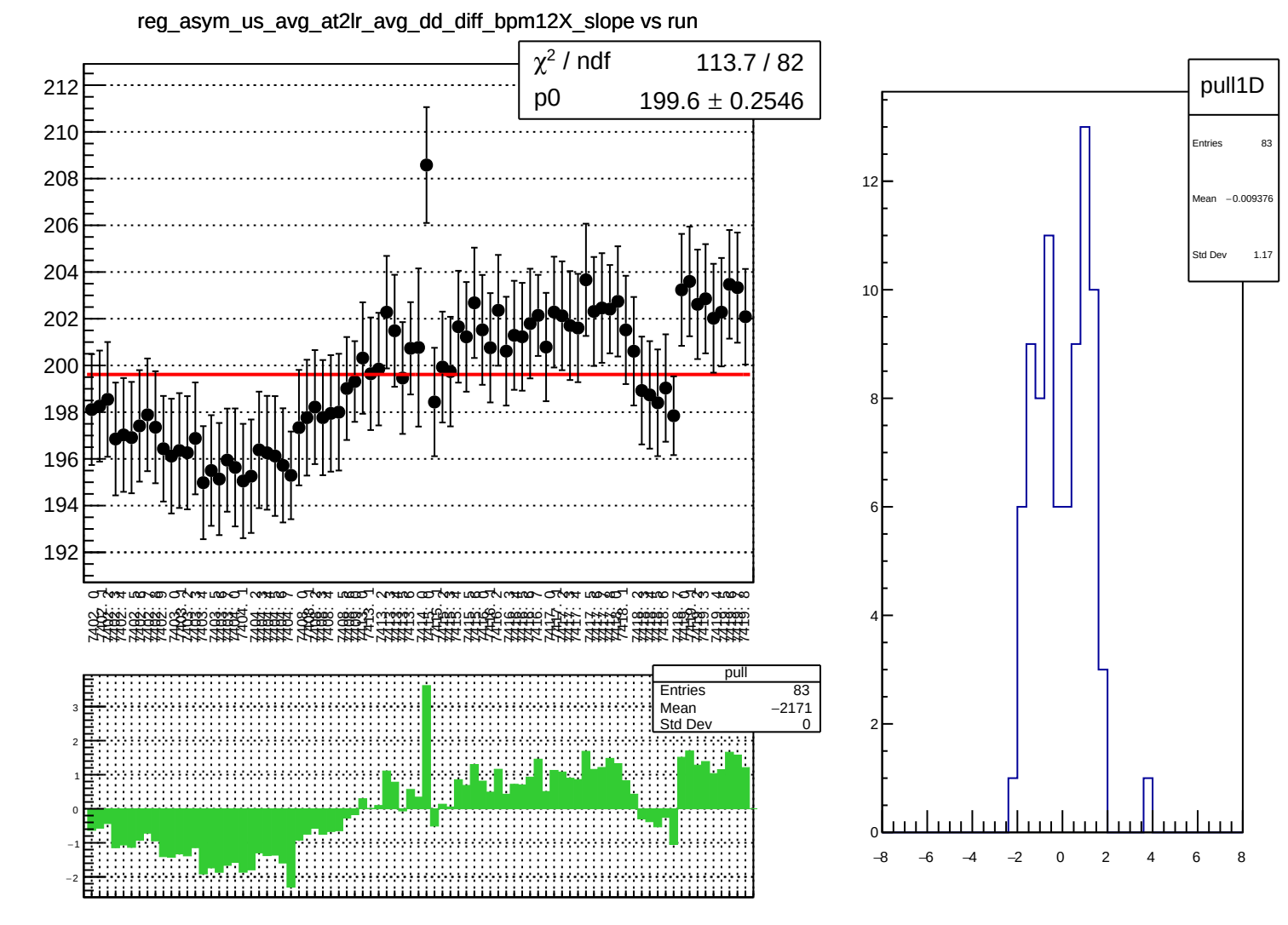

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.24 / 82
p0 43.69 ± 5.528
pull
Entries 83
Mean 165.9
Std Dev 0

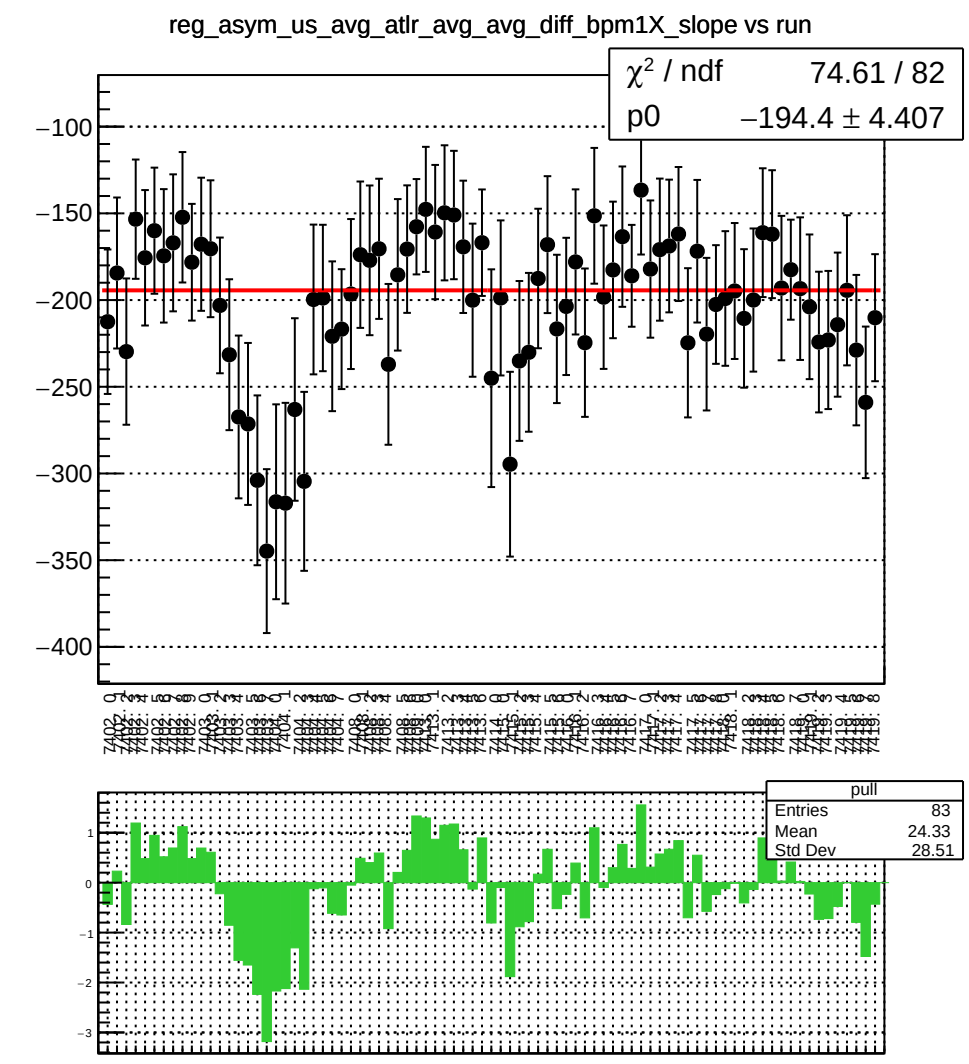

pull1D
Entries 83
Mean 0.009372
Std Dev 0.5404

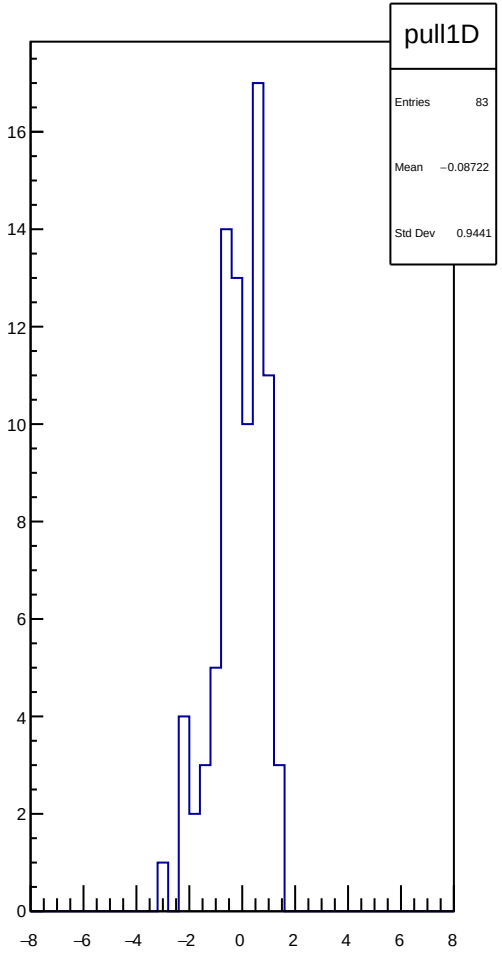

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.27 / 82
p0 −272.6 ± 5.706
pull
Entries 83
Mean 6.004
Std Dev 0
pull1D
Entries 83
Mean −0.08883
Std Dev 0.8959

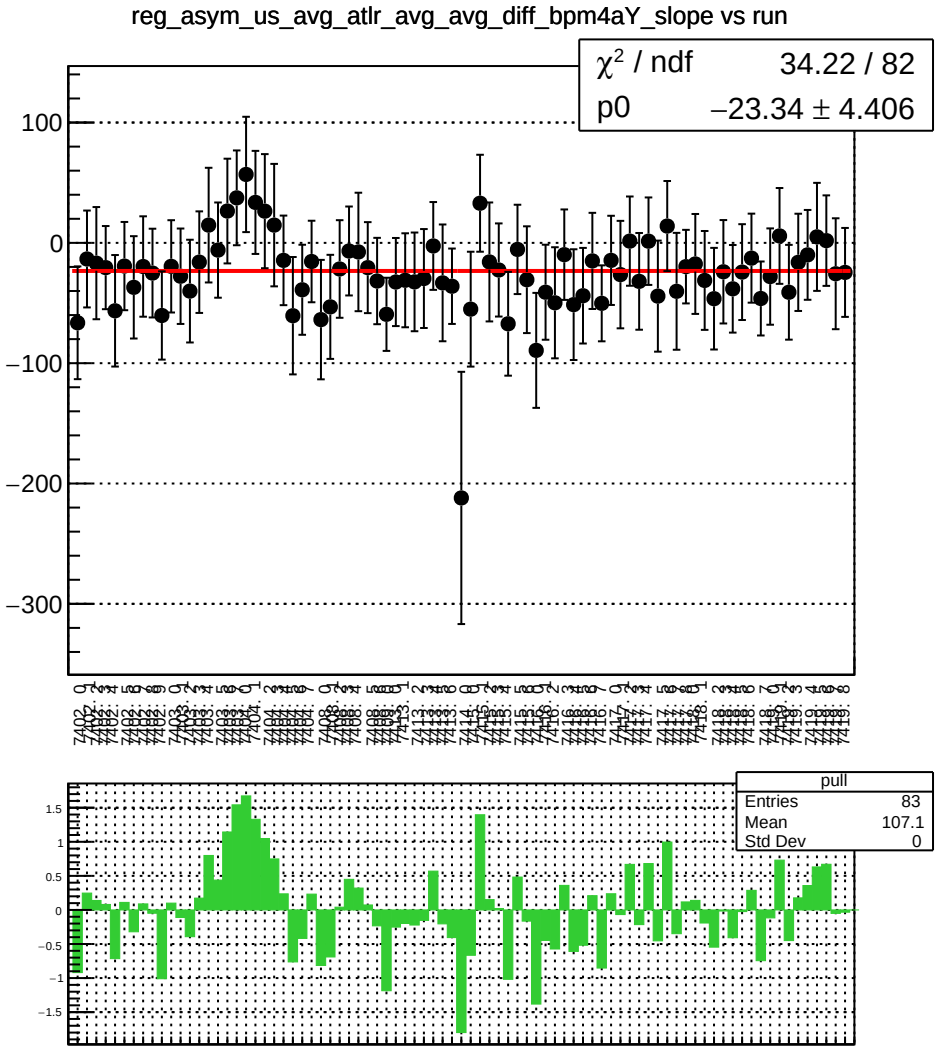

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.85 / 82
p0 −142.1± 5.822
0
−100
−200
−300
−400
pull
Entries 83
Mean 939
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

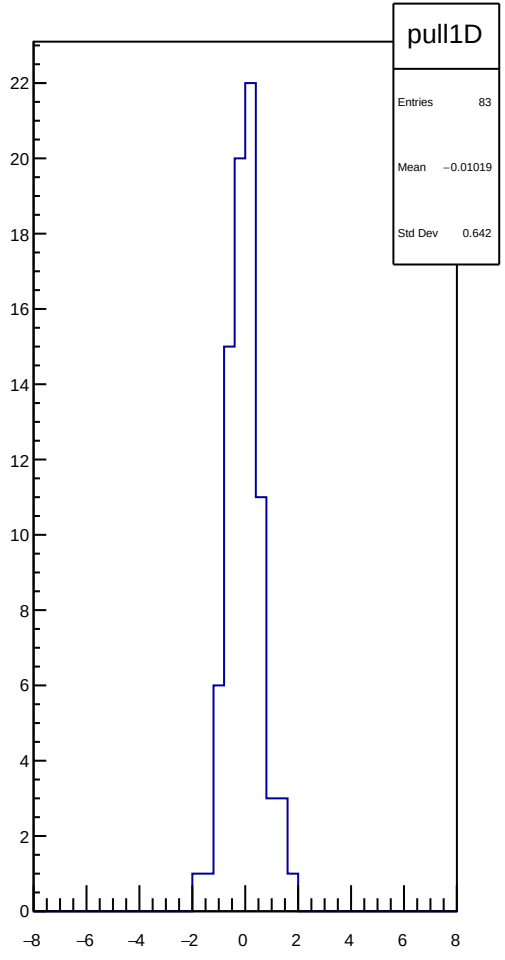

pull1D
Entries 83
Mean −0.002145
Std Dev 0.5361
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

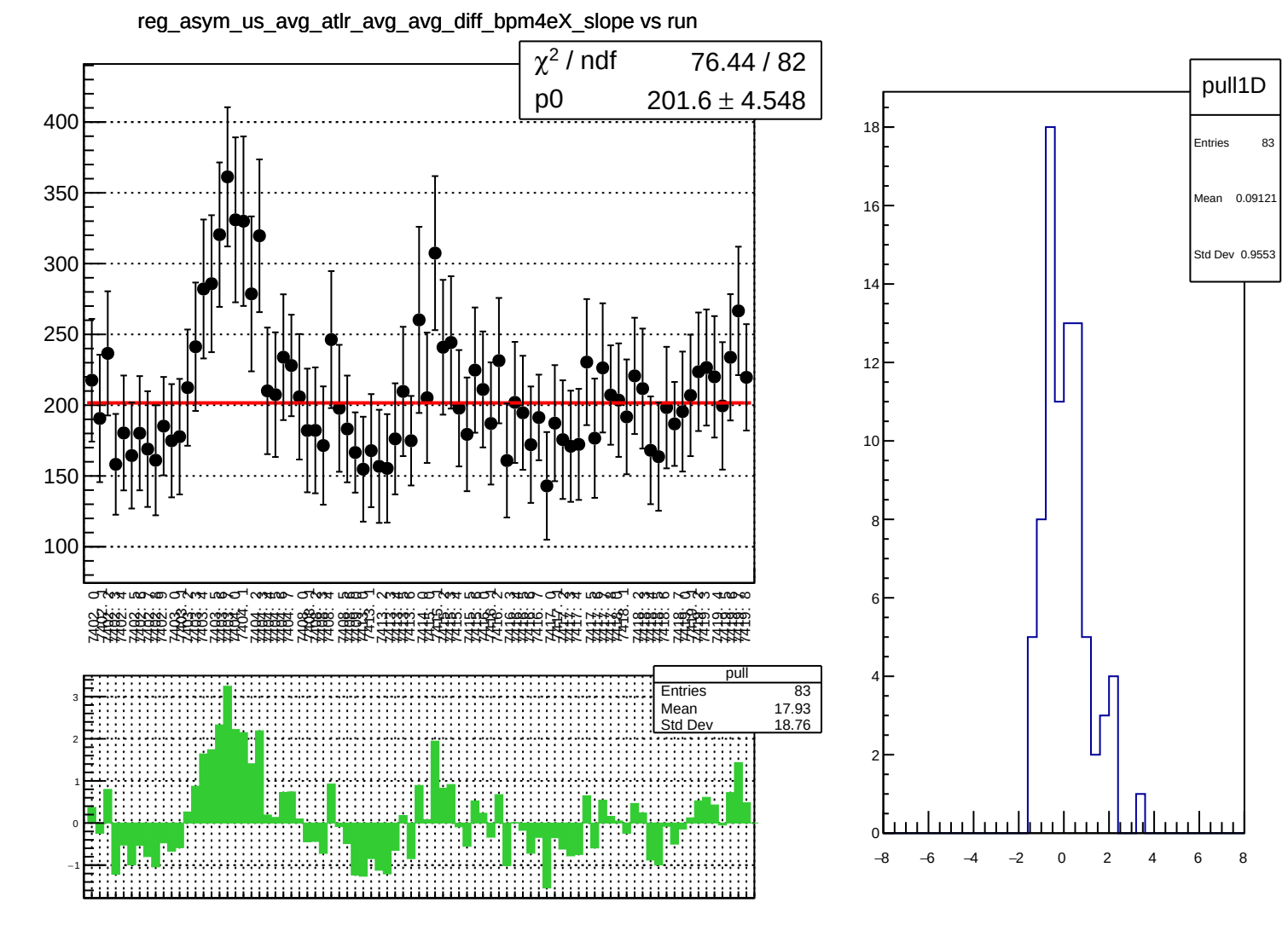

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 82
p0 199.6 ± 0.2546
pull
Entries 83
Mean −2171
Std Dev 0
pull1D
Entries 83
Mean −0.009376
Std Dev 1.17

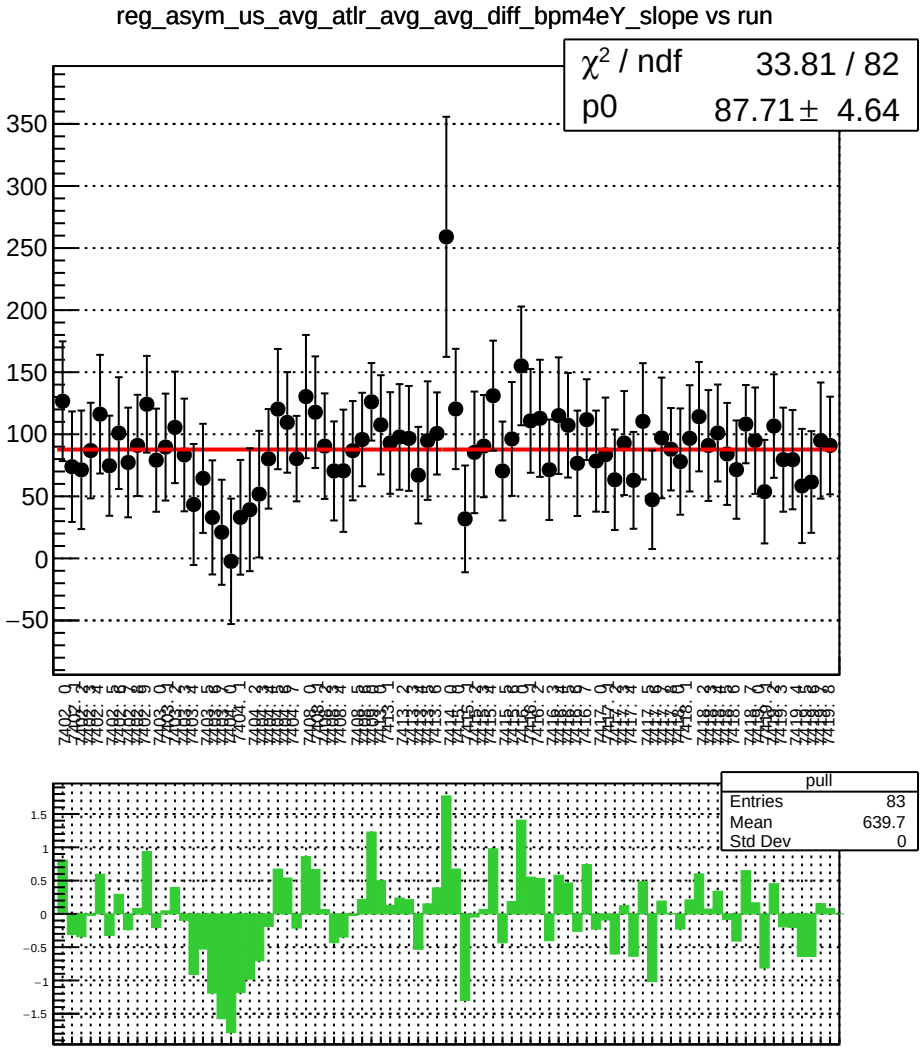

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 74.61 / 82
p0 −194.4 ± 4.407
pull
Entries 83
Mean 24.33
Std Dev 28.51

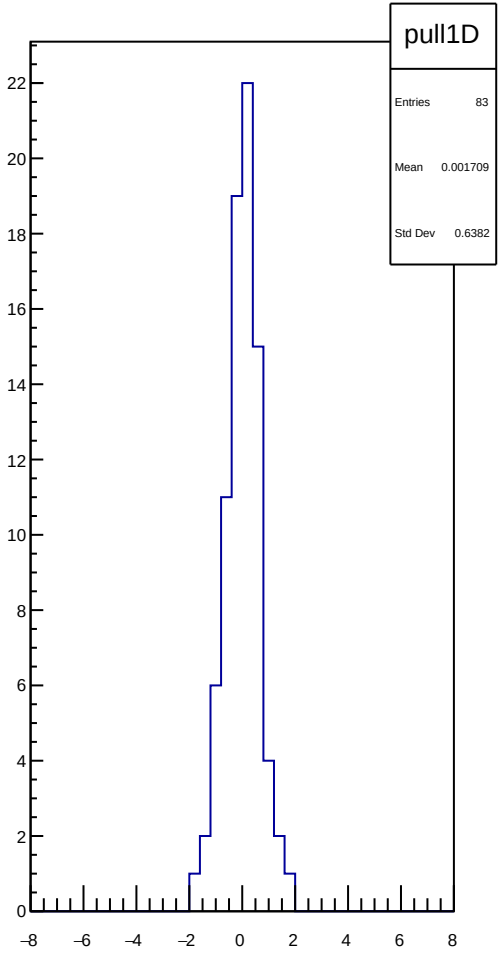

pull1D
Entries 83
Mean −0.08722
Std Dev 0.9441

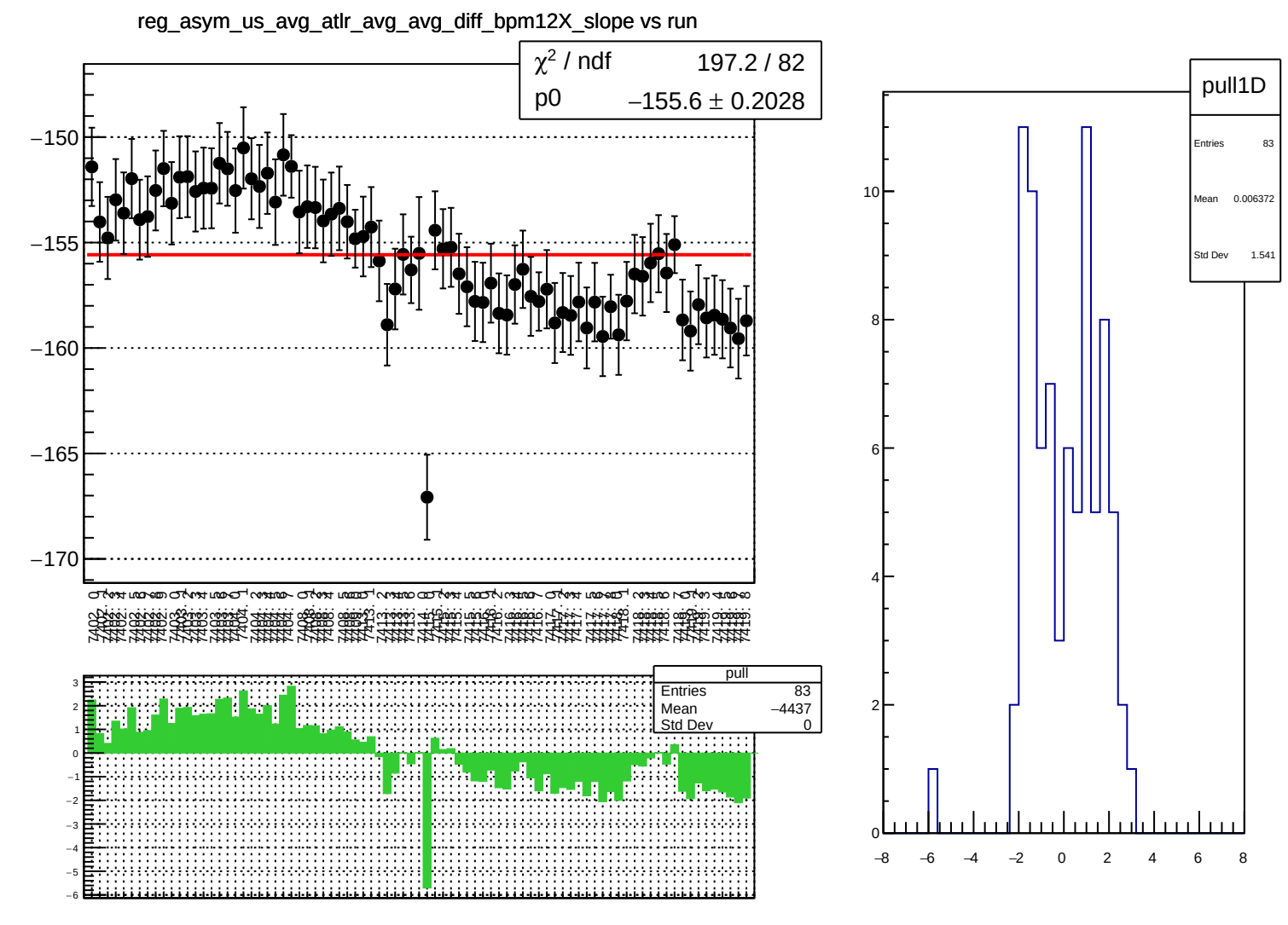

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.22 / 82
p0 −23.34 ± 4.406
100
0
−100
−200
−300
pull
Entries 83
Mean 107.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

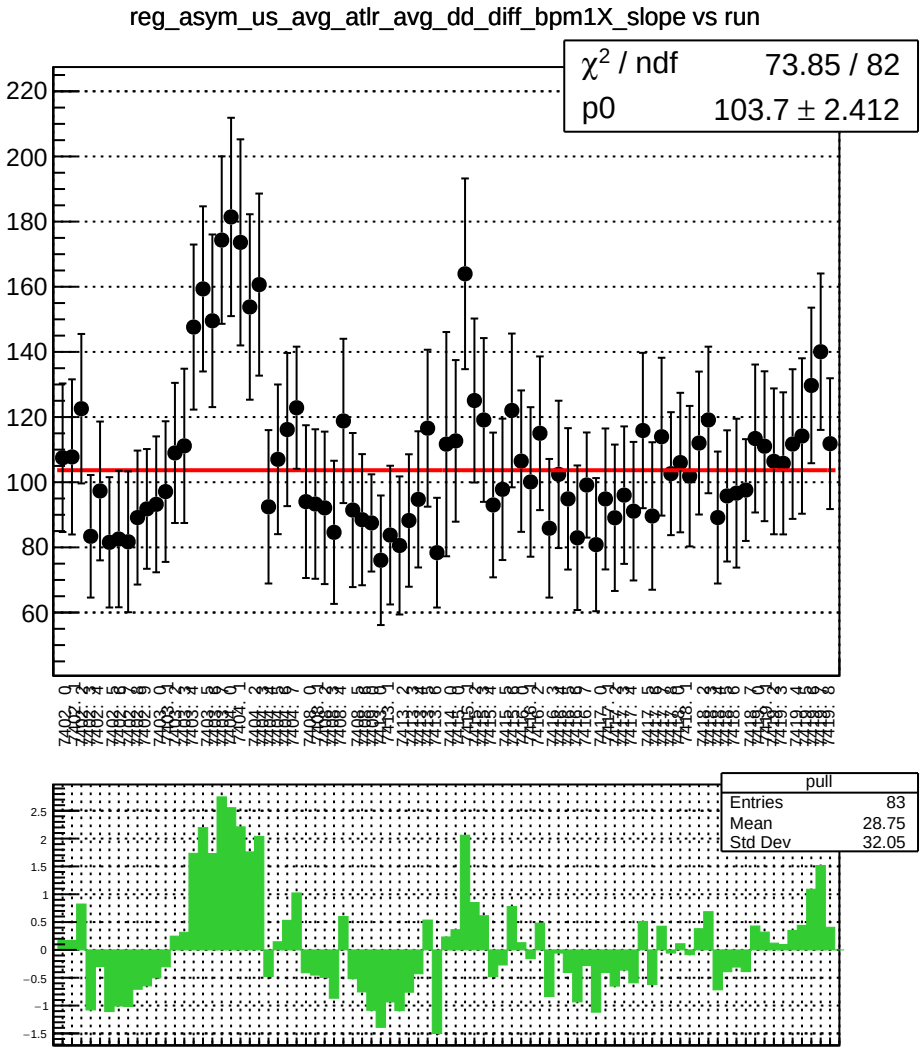

pull1D
Entries 83
Mean −0.01019
Std Dev 0.642
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

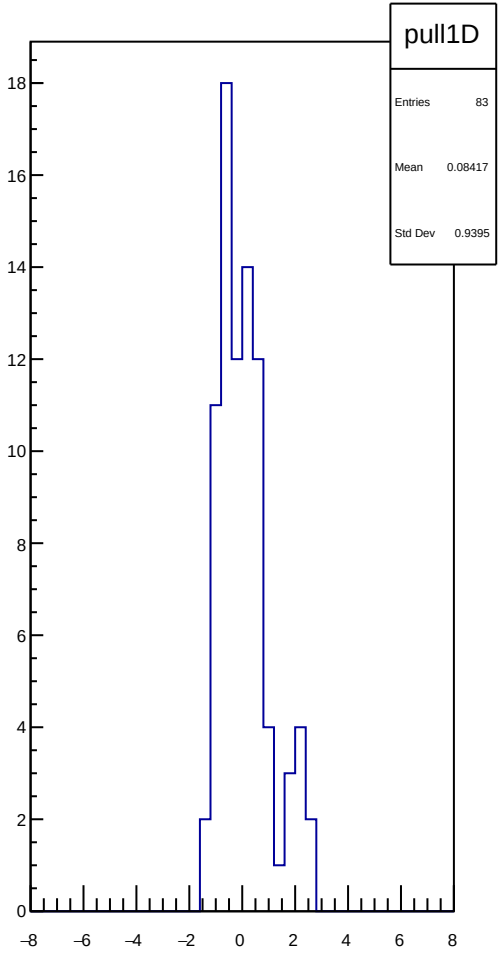

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 76.44 / 82
p0 201.6 ± 4.548
400
350
300
250
200
150
100
pull
Entries 83
Mean 17.93
Std Dev 18.76
3
2
1
0
−1
pull1D
Entries 83
Mean 0.09121
Std Dev 0.9553
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

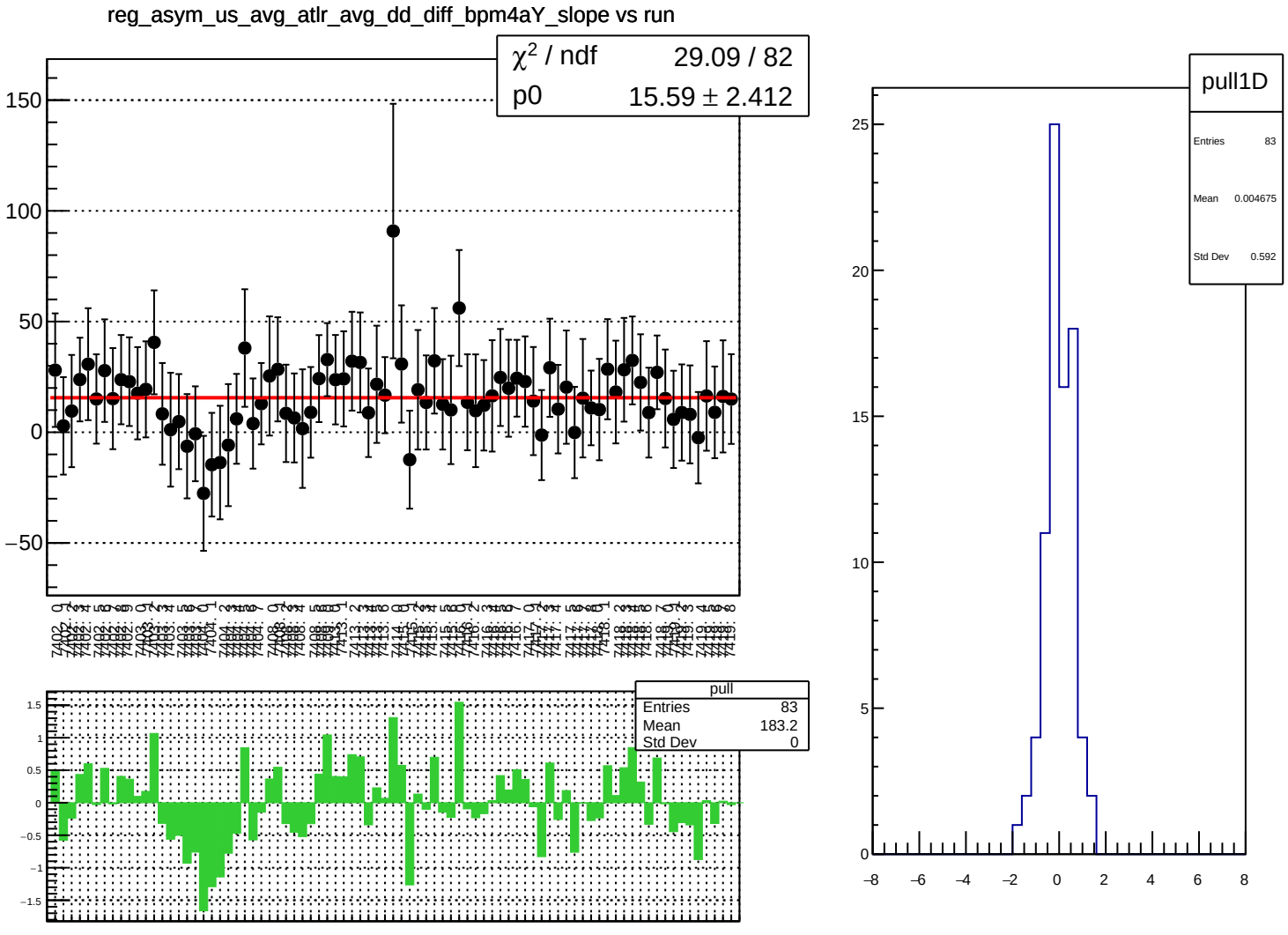

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.81 / 82
p0 87.71 ± 4.64
pull
Entries 83
Mean 639.7
Std Dev 0

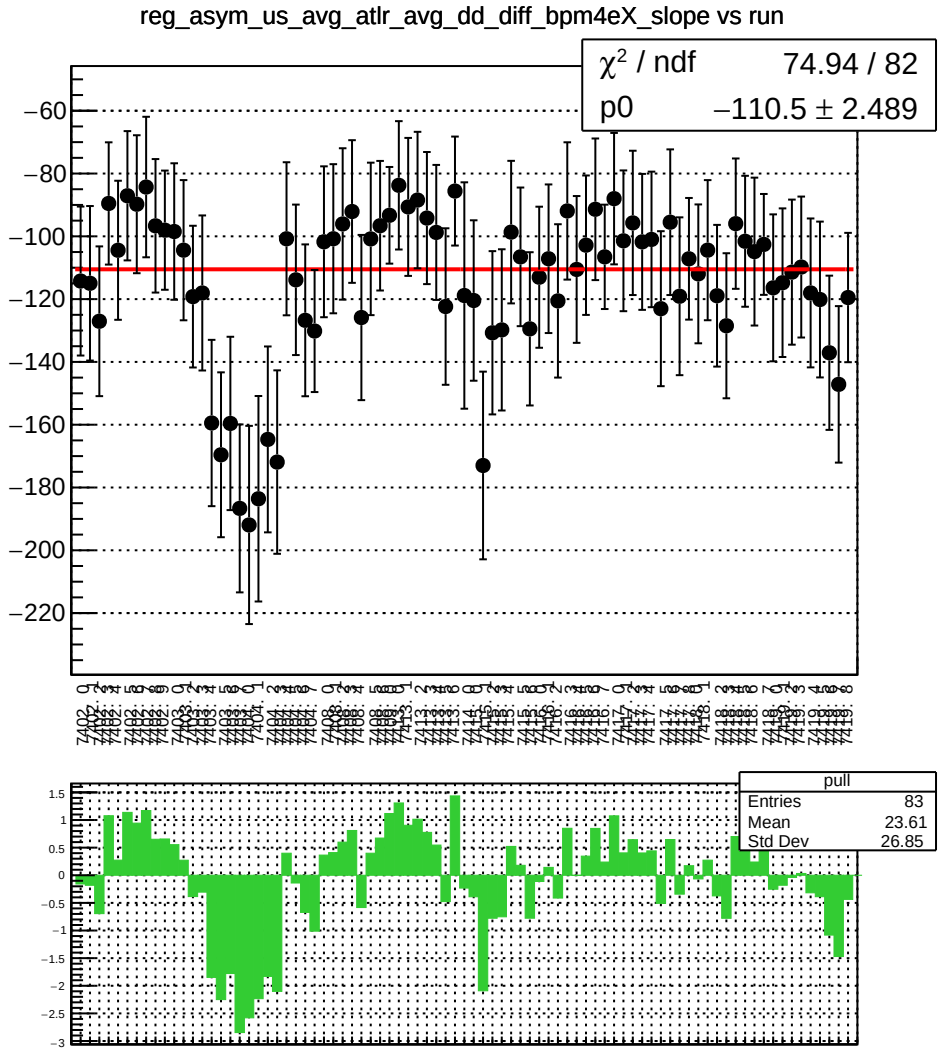

pull1D
Entries 83
Mean 0.001709
Std Dev 0.6382

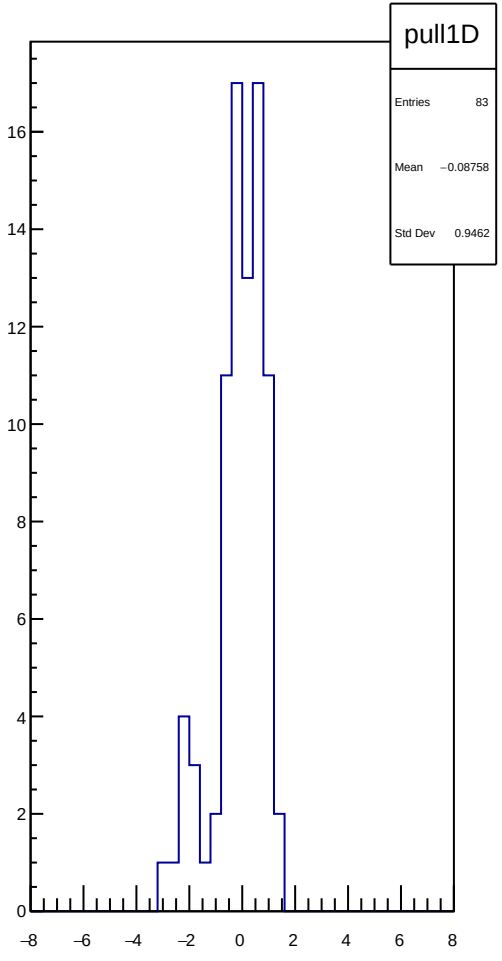

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 197.2 / 82
p0 −155.6 ± 0.2028
−150
−155
−160
−165
−170
pull
Entries 83
Mean −4437
Std Dev 0
pull1D
Entries 83
Mean 0.006372
Std Dev 1.541

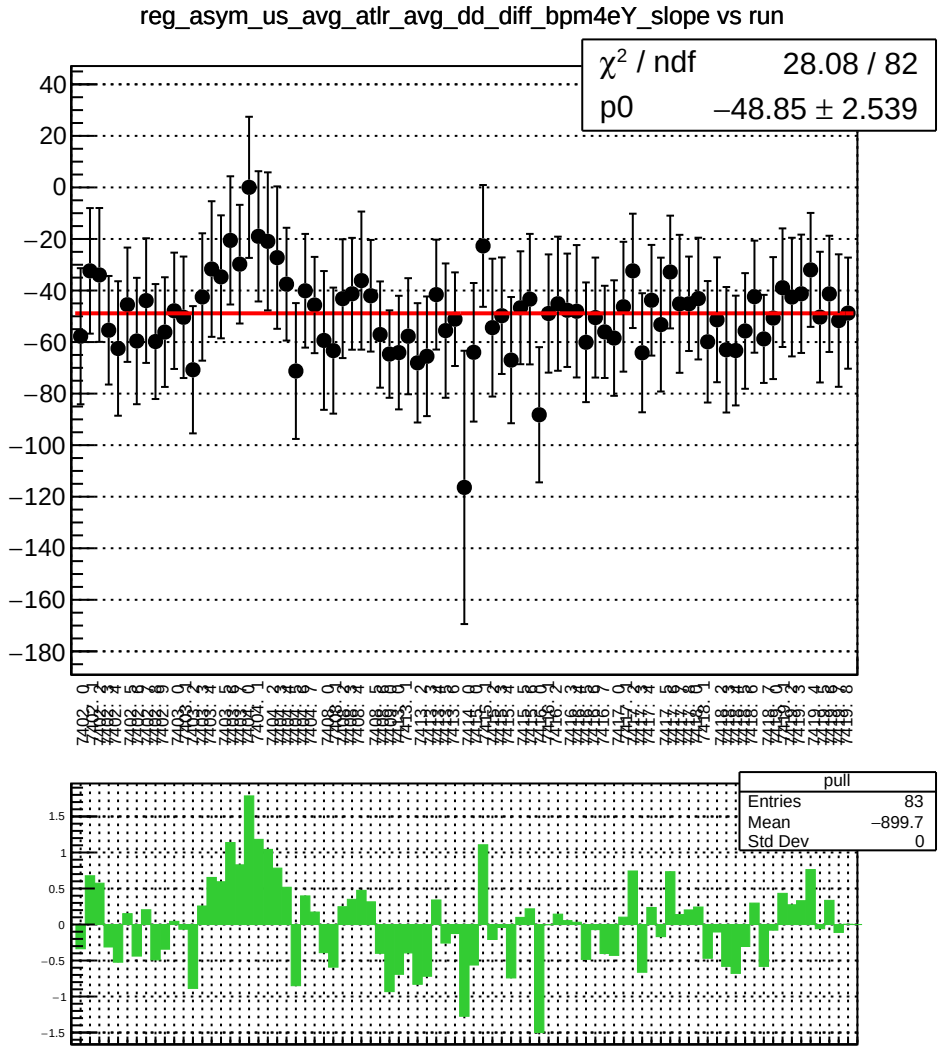

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 73.85 / 82
p0 103.7 ± 2.412
pull
Entries 83
Mean 28.75
Std Dev 32.05

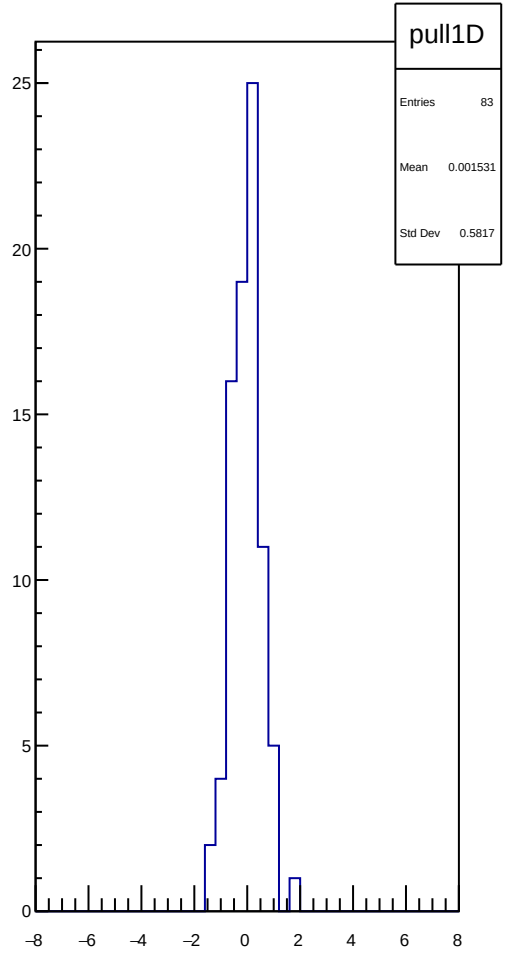

pull1D
Entries 83
Mean 0.08417
Std Dev 0.9395

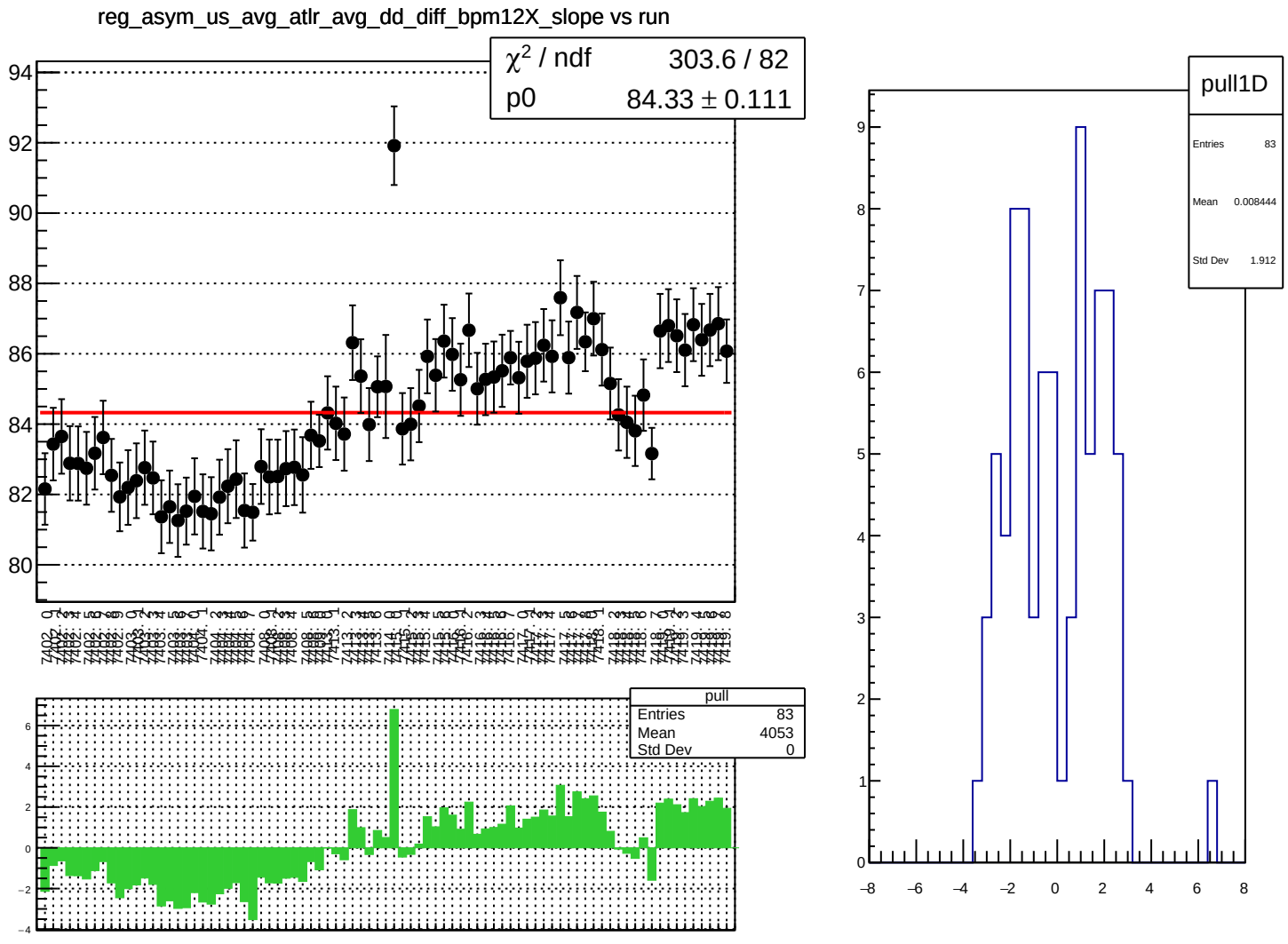

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.09 / 82
p0 15.59 ± 2.412
150
100
50
0
−50
pull
Entries 83
Mean 183.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.004675
Std Dev 0.592
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

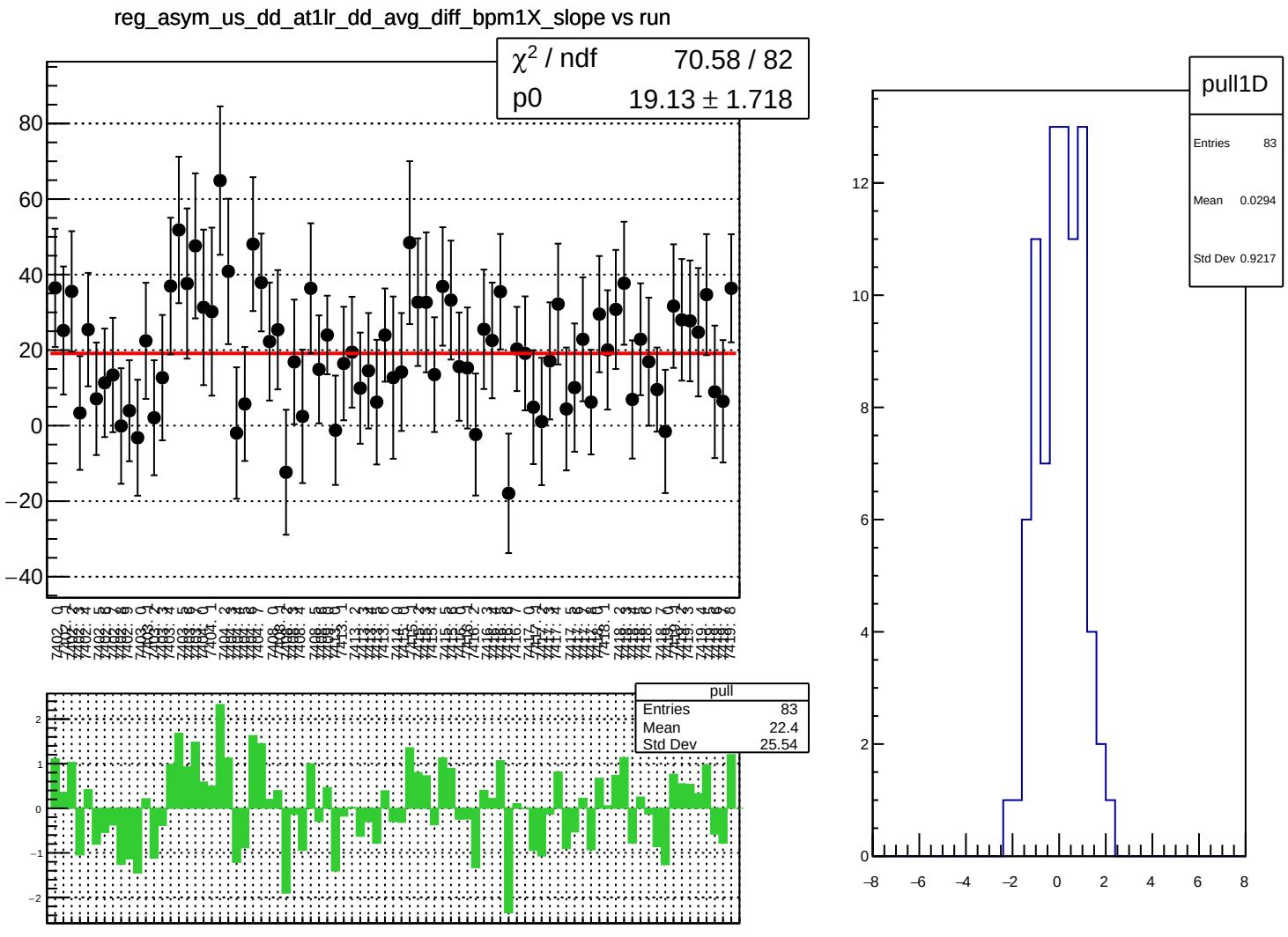

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.94 / 82
p0 −110.5 ± 2.489
pull
Entries 83
Mean 23.61
Std Dev 26.85

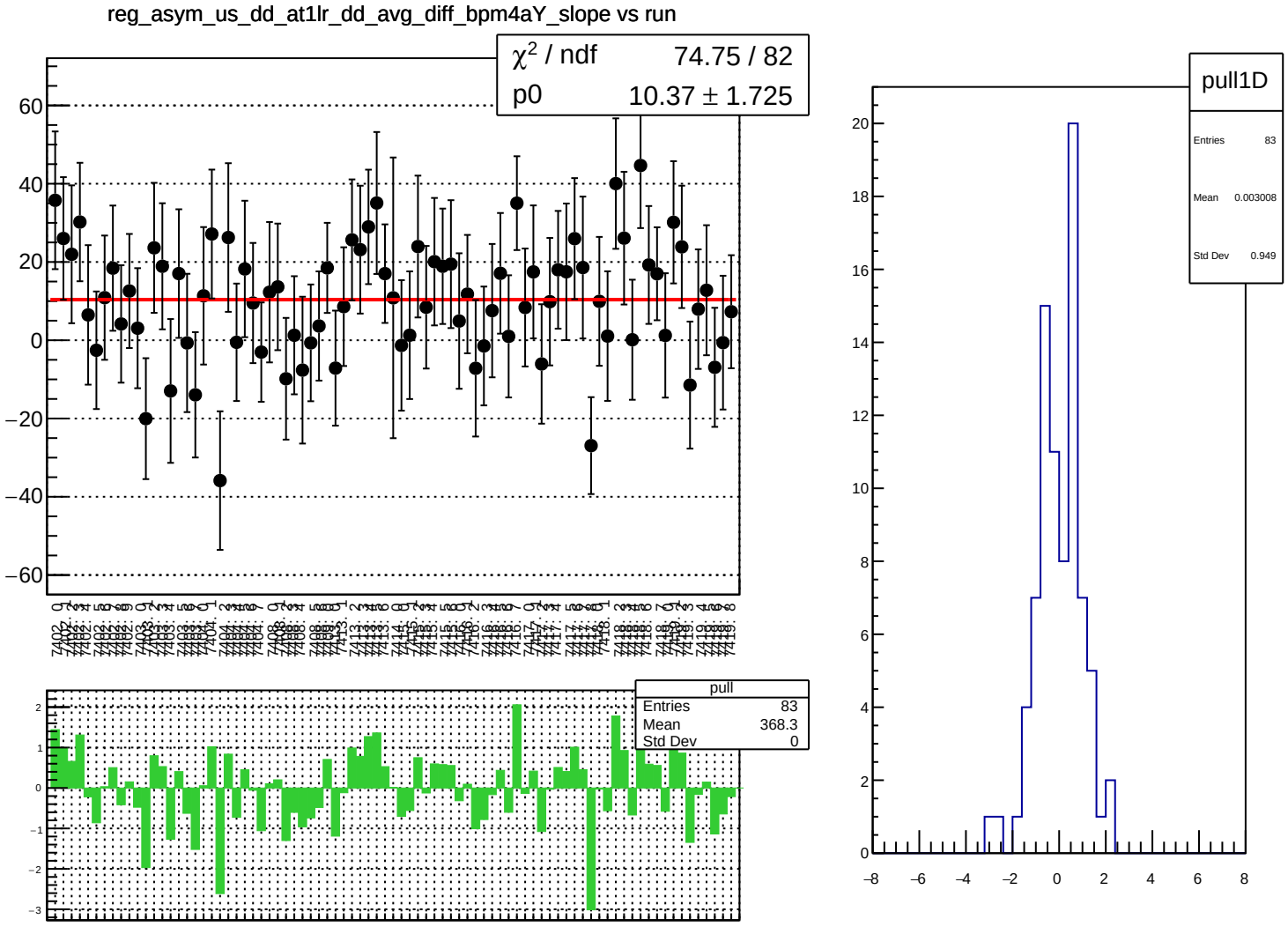

pull1D
Entries 83
Mean −0.08758
Std Dev 0.9462

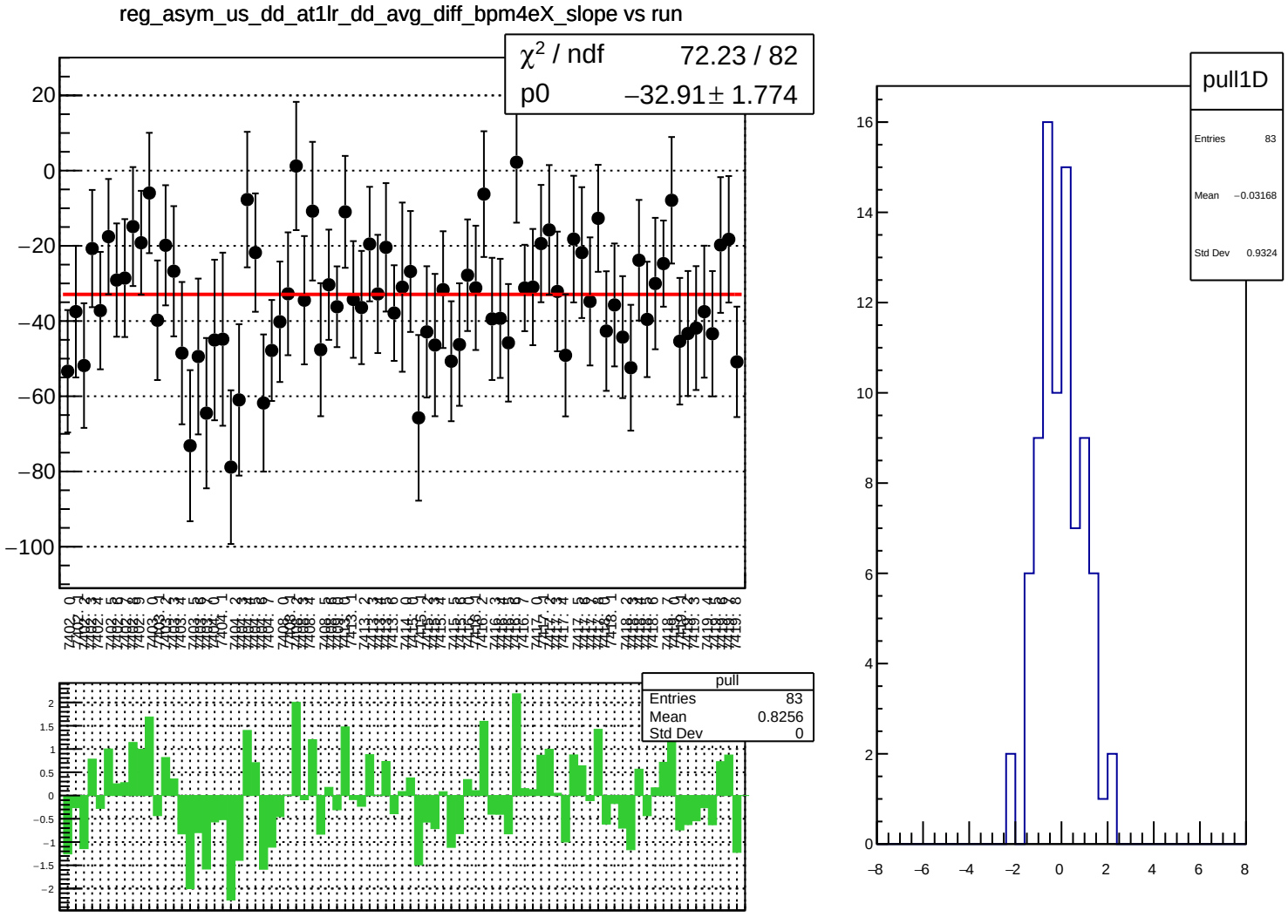

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.08 / 82
p0 −48.85 ± 2.539
pull
Entries 83
Mean −899.7
Std Dev 0

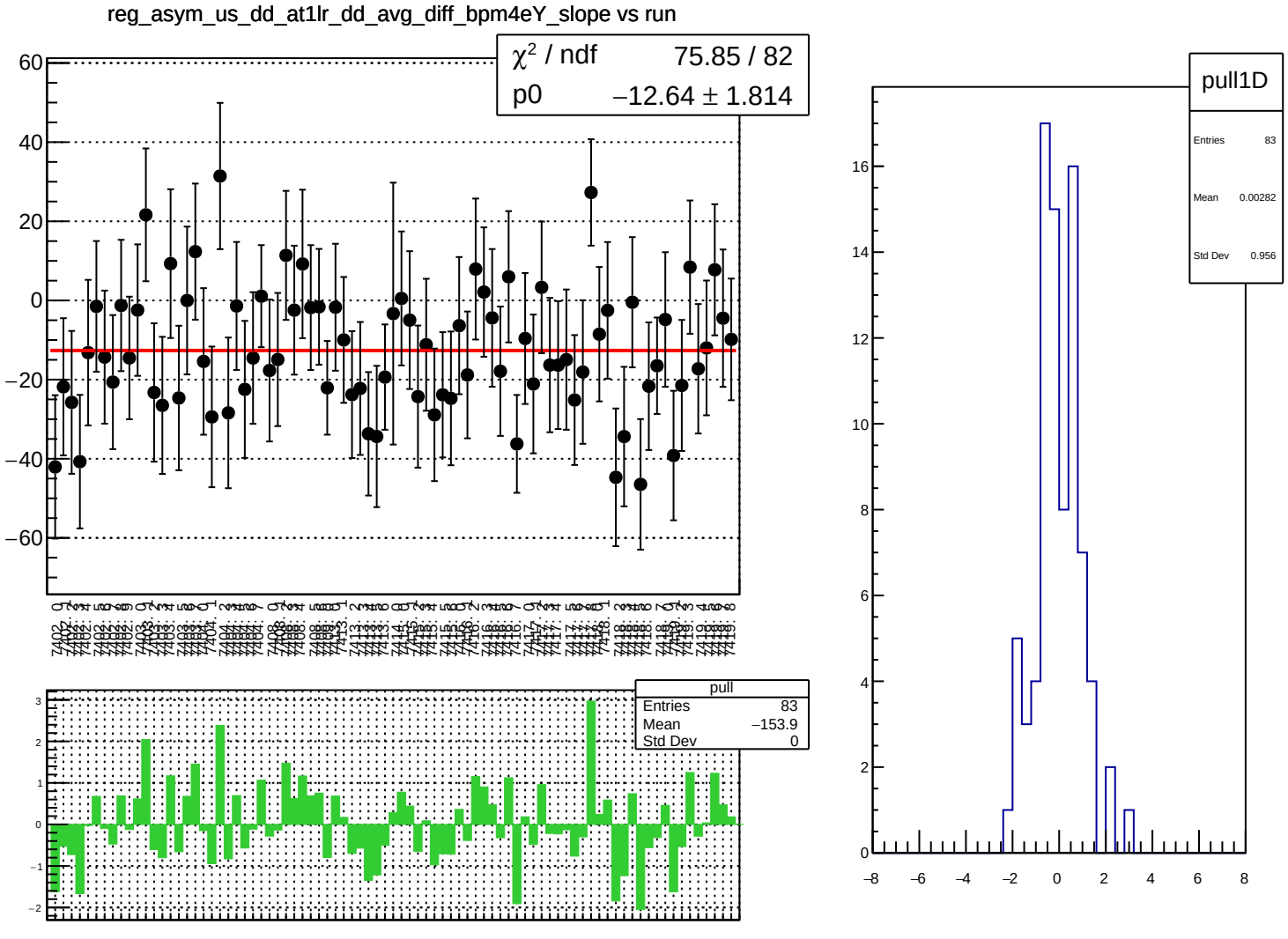

pull1D
Entries 83
Mean 0.001531
Std Dev 0.5817

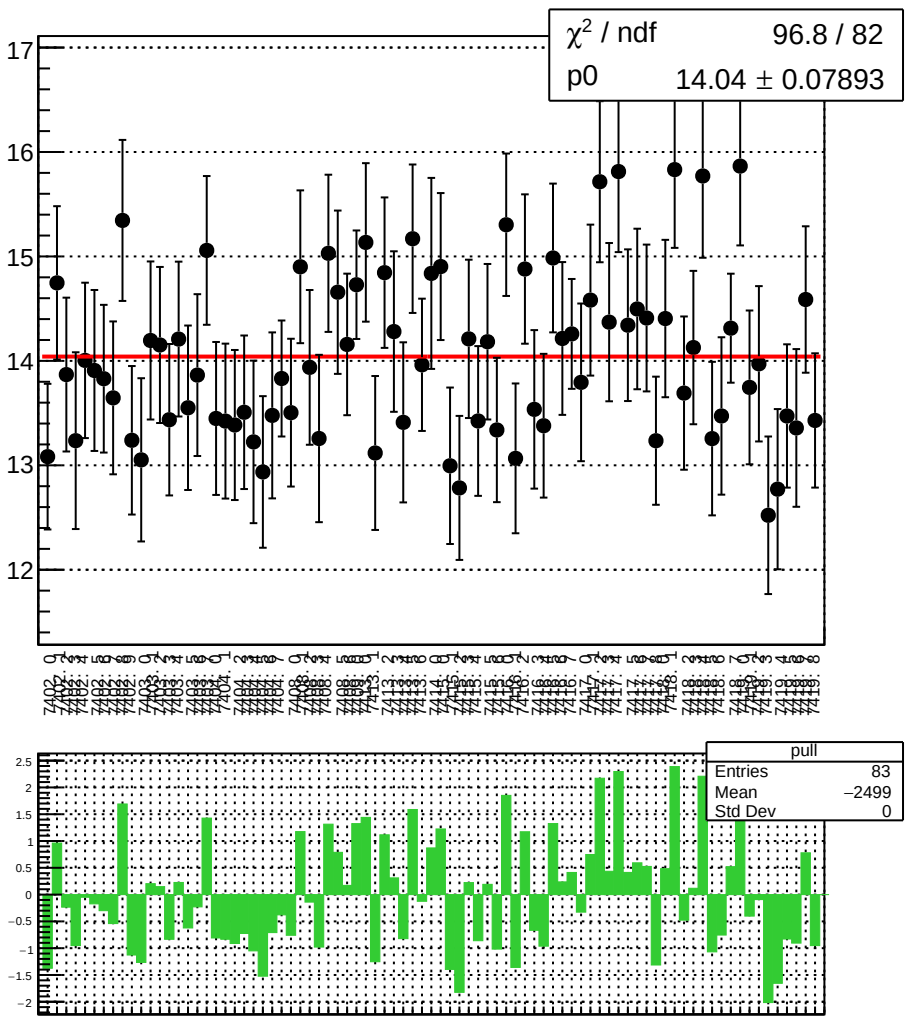

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 303.6 / 82
p0 84.33 ± 0.111
pull
Entries 83
Mean 4053
Std Dev 0
pull1D
Entries 83
Mean 0.008444
Std Dev 1.912

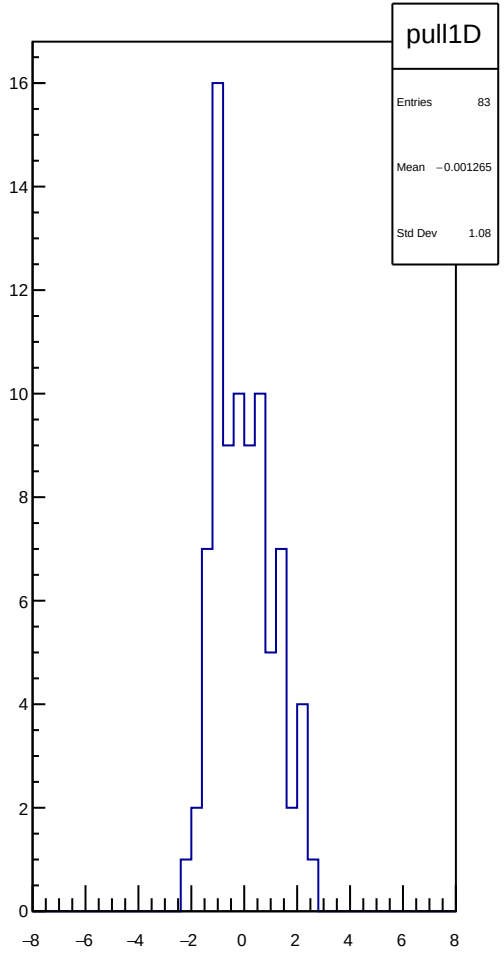

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 70.58 / 82
p0 19.13 ± 1.718
pull
Entries 83
Mean 22.4
Std Dev 25.54
pull1D
Entries 83
Mean 0.0294
Std Dev 0.9217

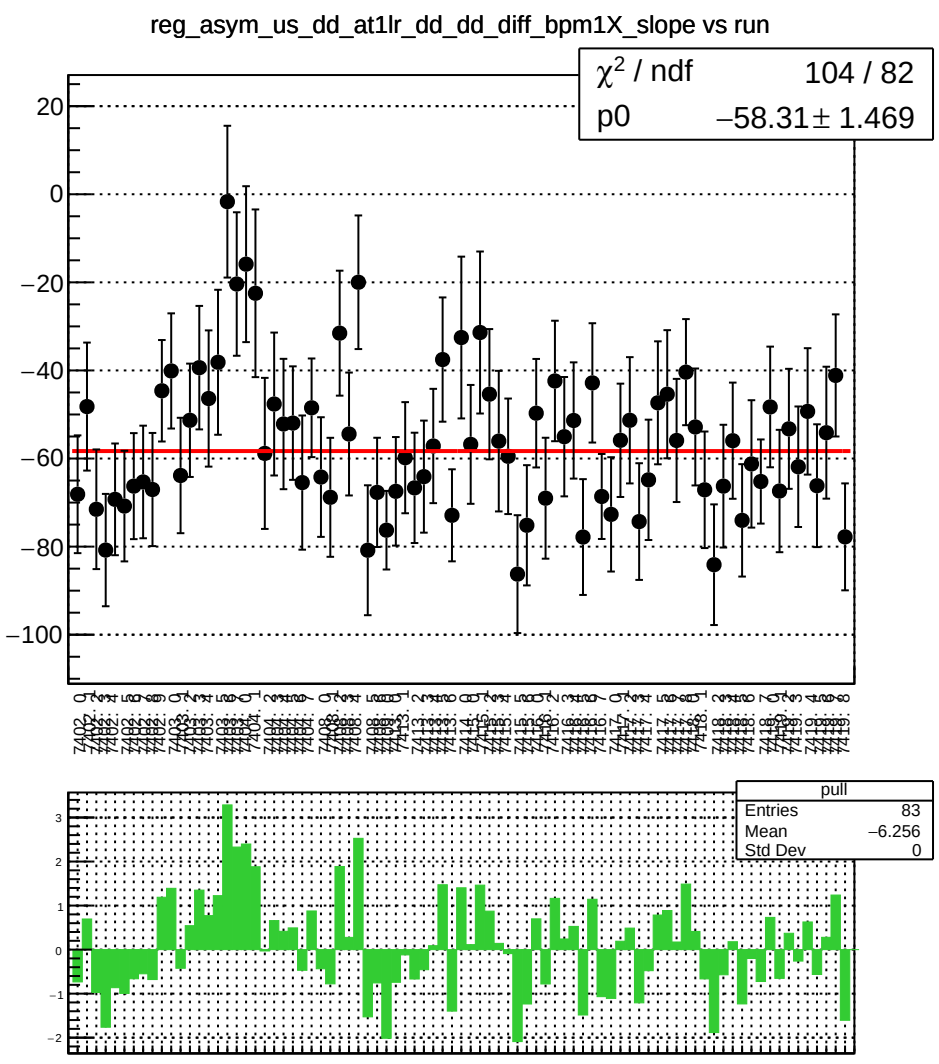

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.75 / 82
p0 10.37 ± 1.725
pull
Entries 83
Mean 368.3
Std Dev 0
pull1D
Entries 83
Mean 0.003008
Std Dev 0.949

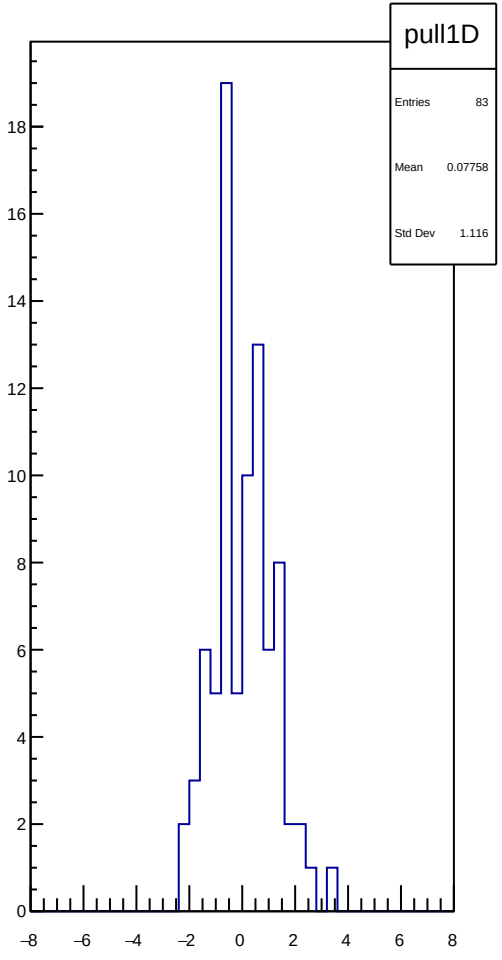

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 72.23 / 82
p0 −32.91 ± 1.774
pull
Entries 83
Mean 0.8256
Std Dev 0
pull1D
Entries 83
Mean −0.03168
Std Dev 0.9324

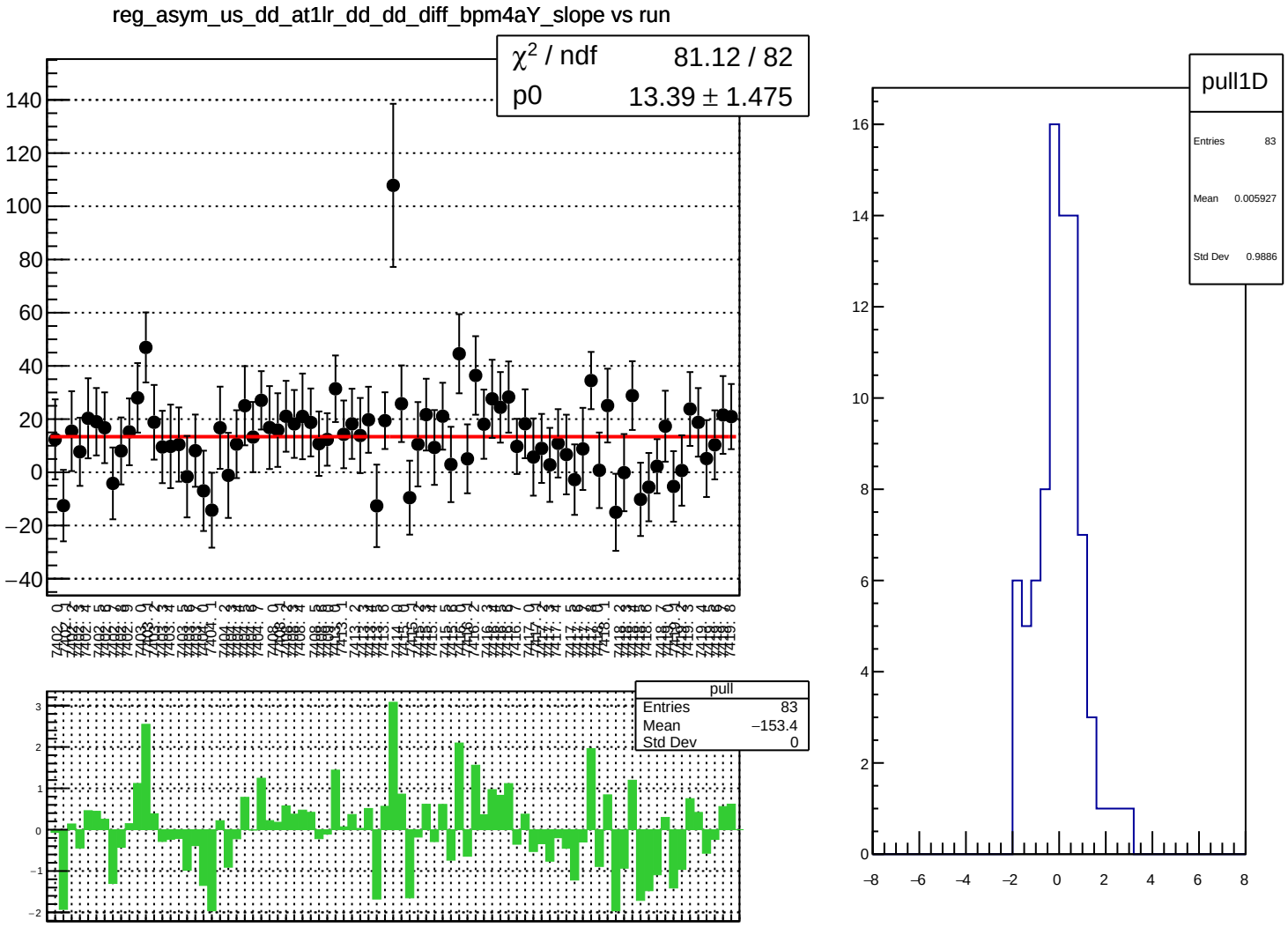

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.85 / 82
p0 −12.64 ± 1.814
pull
Entries 83
Mean −153.9
Std Dev 0
pull1D
Entries 83
Mean 0.00282
Std Dev 0.956

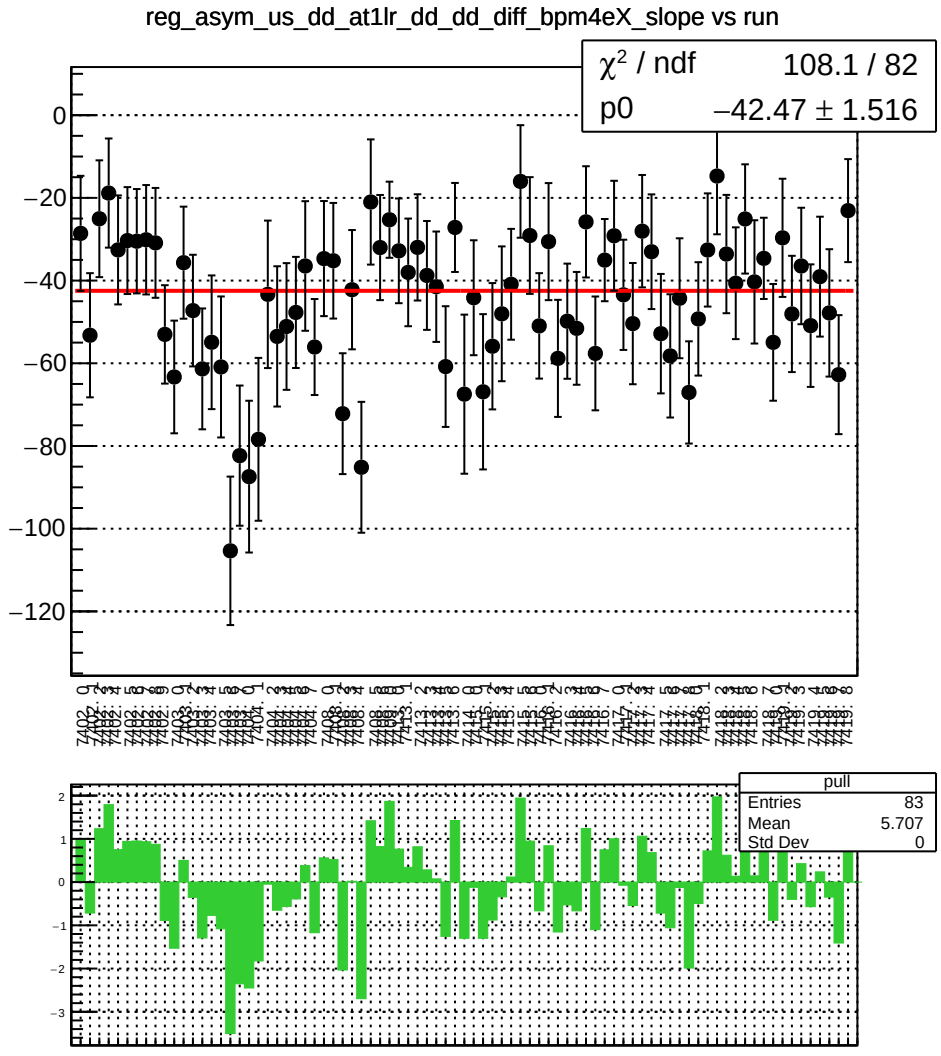

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 96.8 / 82
p0 14.04 ± 0.07893
pull
Entries 83
Mean −2499
Std Dev 0

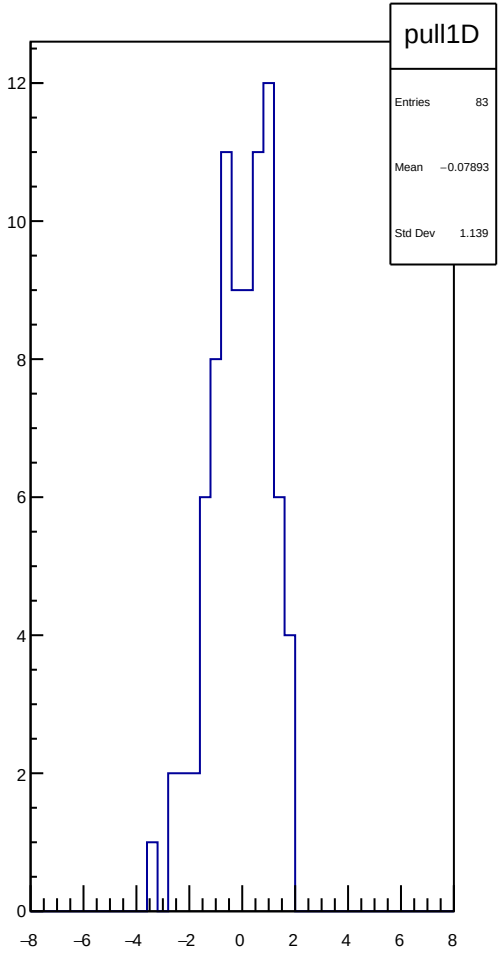

pull1D
Entries 83
Mean −0.001265
Std Dev 1.08

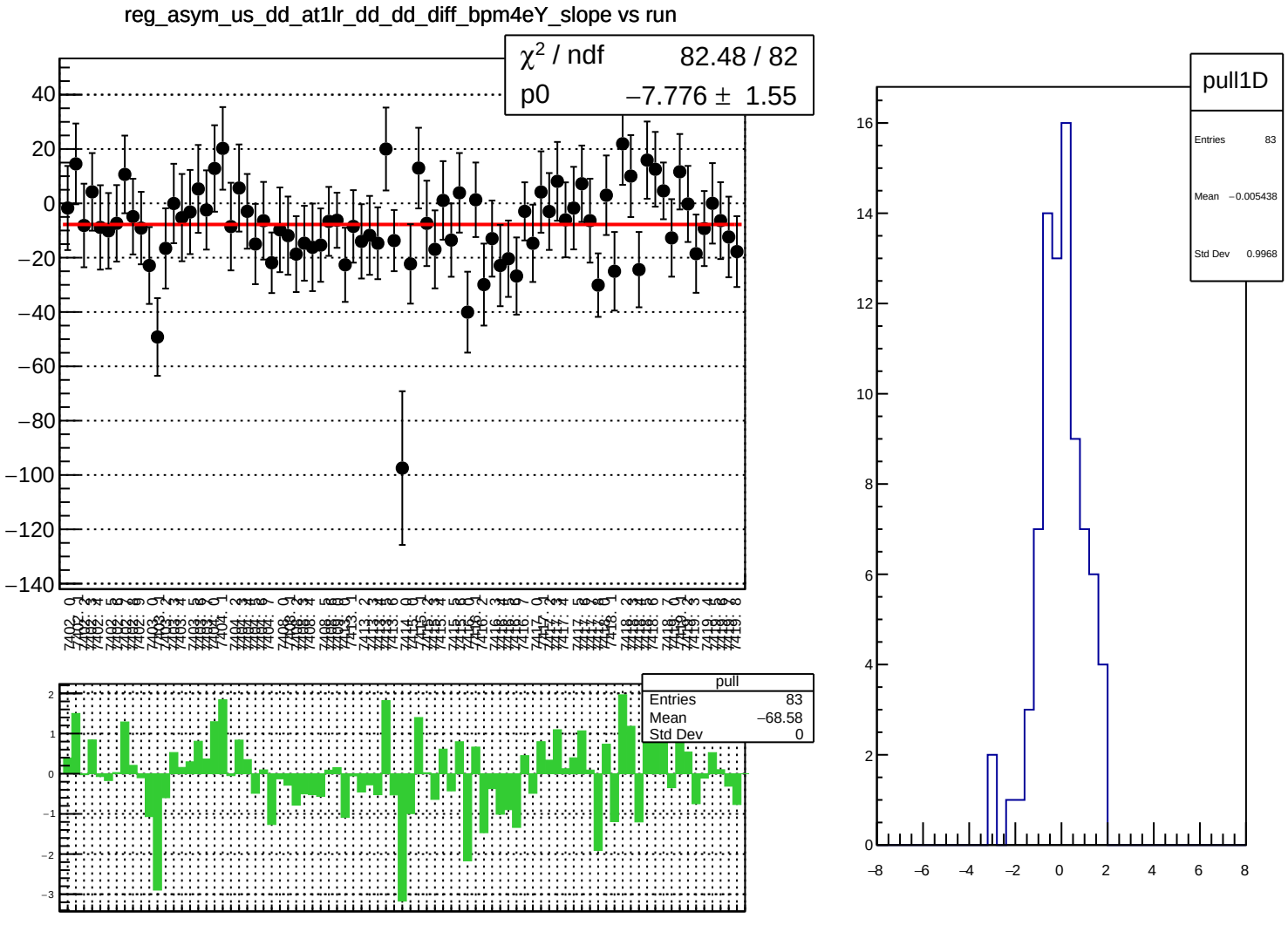

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 104 / 82
p0 −58.31 ± 1.469
pull
Entries 83
Mean −6.256
Std Dev 0

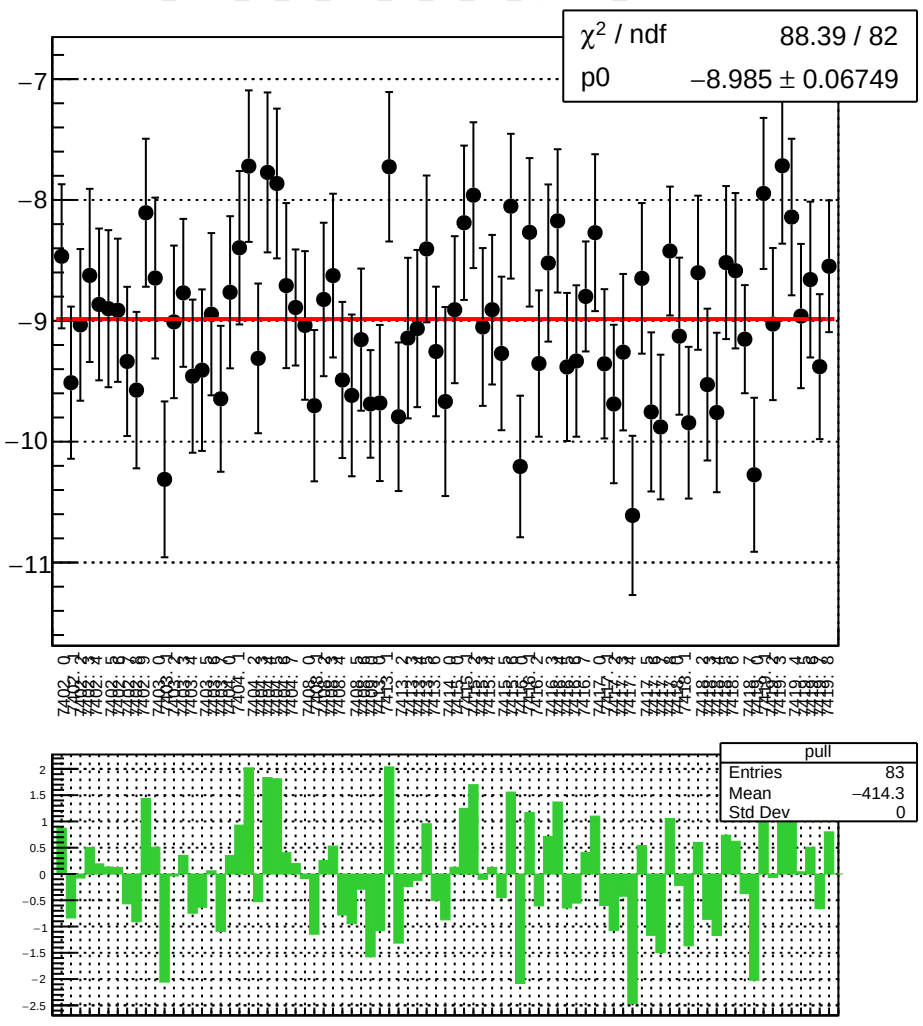

pull1D
Entries 83
Mean 0.07758
Std Dev 1.116

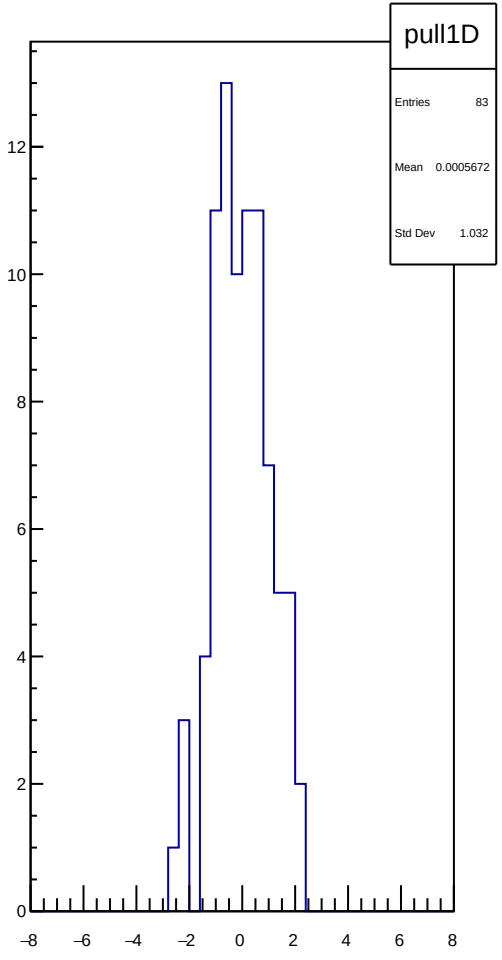

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.12 / 82
p0 13.39 ± 1.475
pull
Entries 83
Mean −153.4
Std Dev 0
pull1D
Entries 83
Mean 0.005927
Std Dev 0.9886

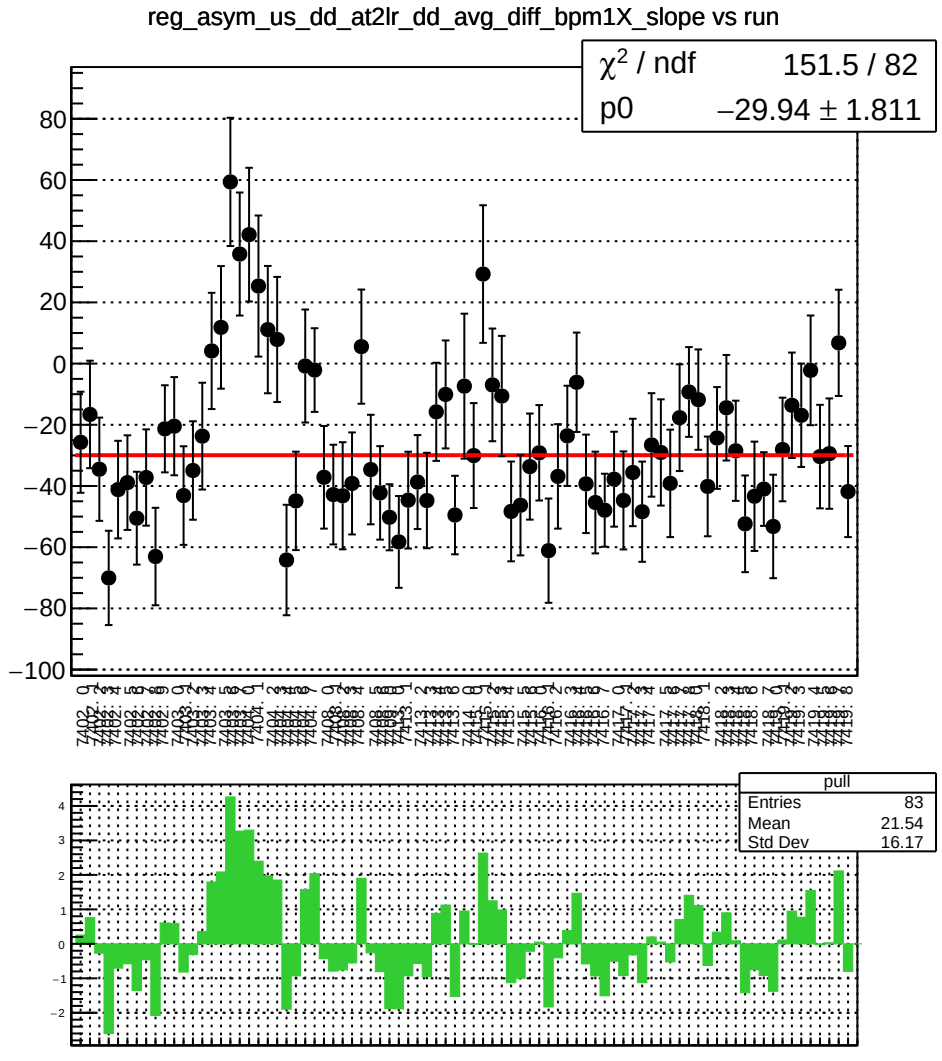

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.1 / 82
p0 −42.47 ± 1.516
pull
Entries 83
Mean 5.707
Std Dev 0

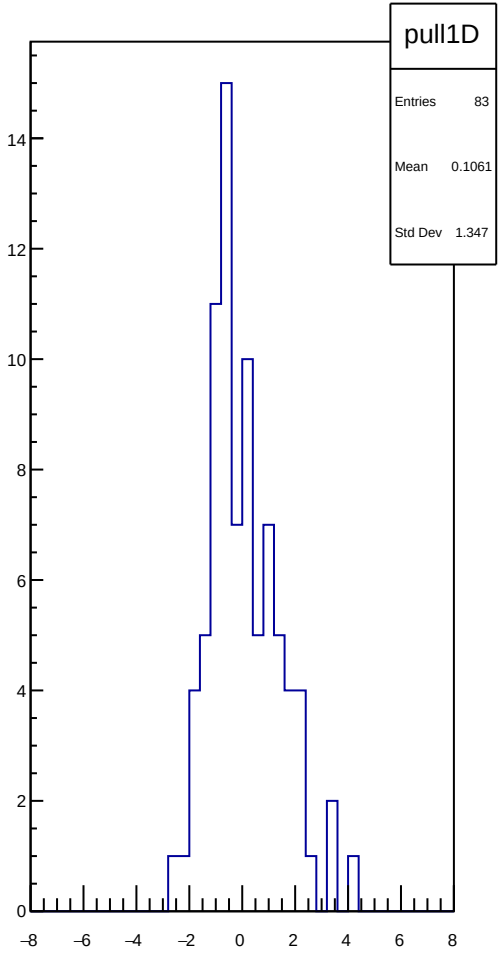

pull1D
Entries 83
Mean −0.07893
Std Dev 1.139

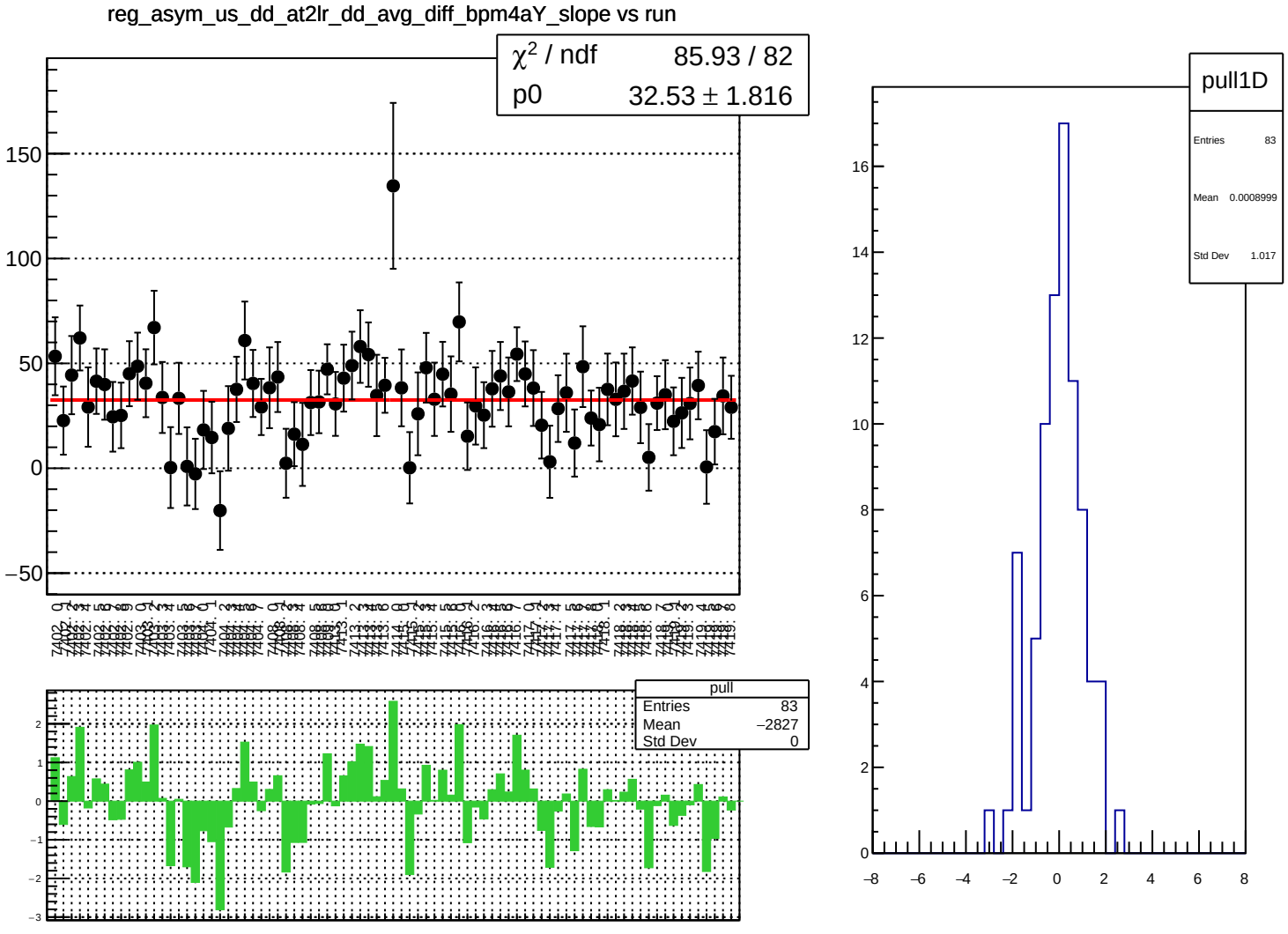

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.48 / 82
p0 −7.776 ± 1.55
pull
Entries 83
Mean −68.58
Std Dev 0
pull1D
Entries 83
Mean −0.005438
Std Dev 0.9968

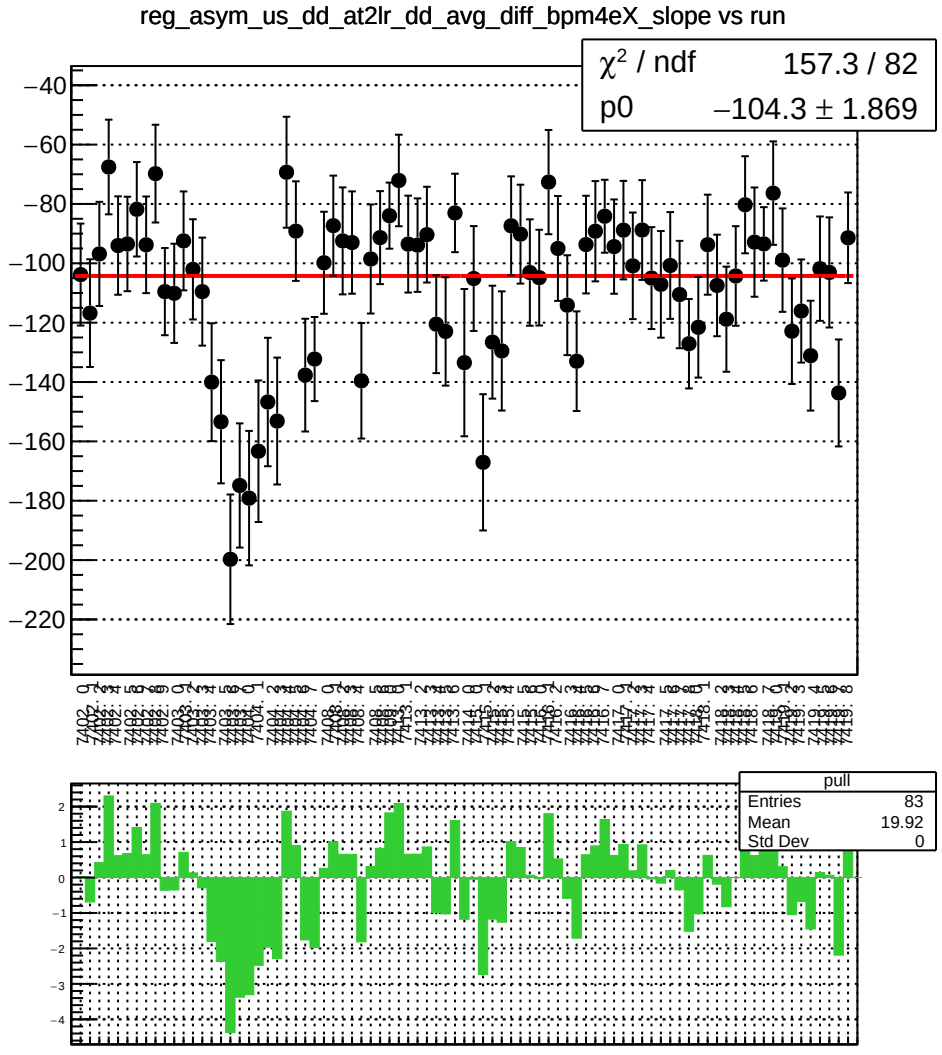

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 88.39 / 82
p0 −8.985 ± 0.06749
pull
Entries 83
Mean −414.3
Std Dev 0

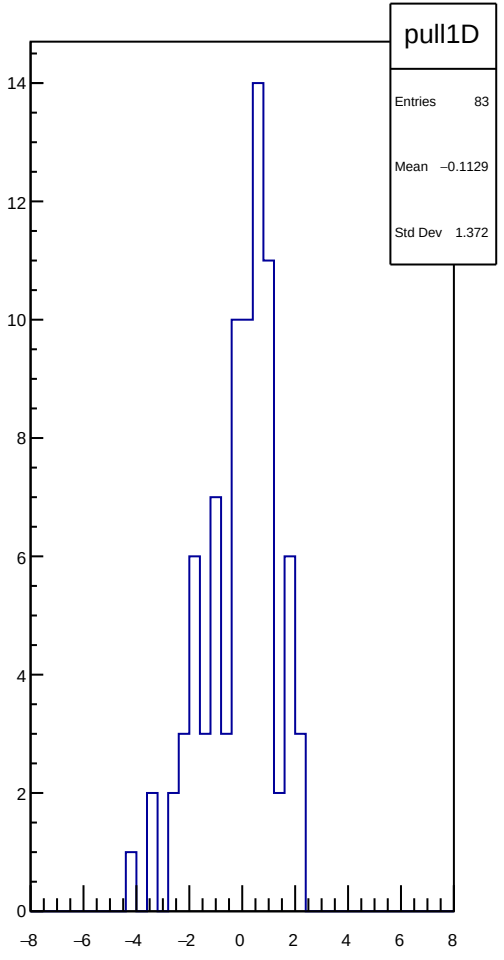

pull1D
Entries 83
Mean 0.0005672
Std Dev 1.032

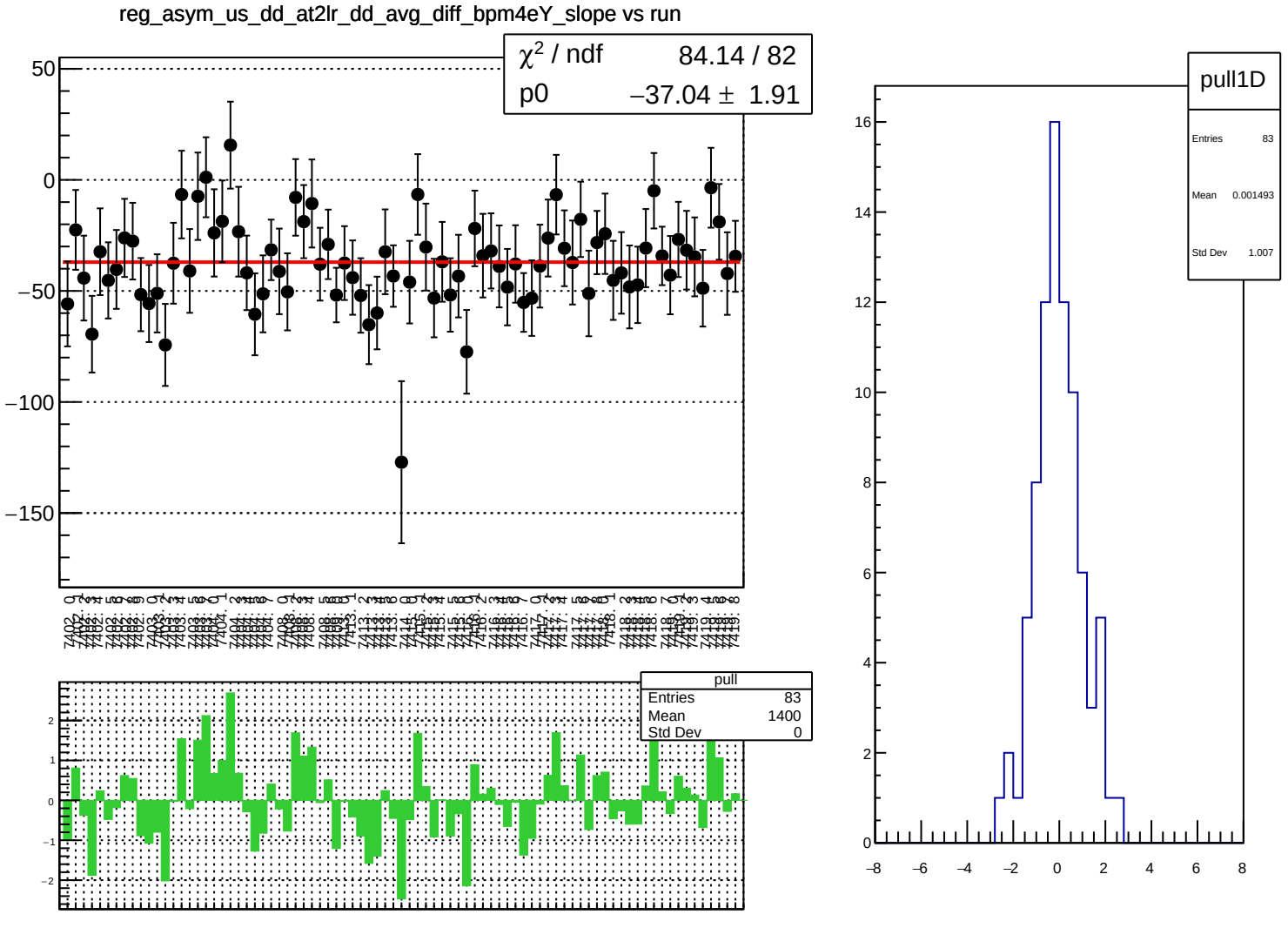

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 151.5 / 82
p0 −29.94 ± 1.811
pull
Entries 83
Mean 21.54
Std Dev 16.17

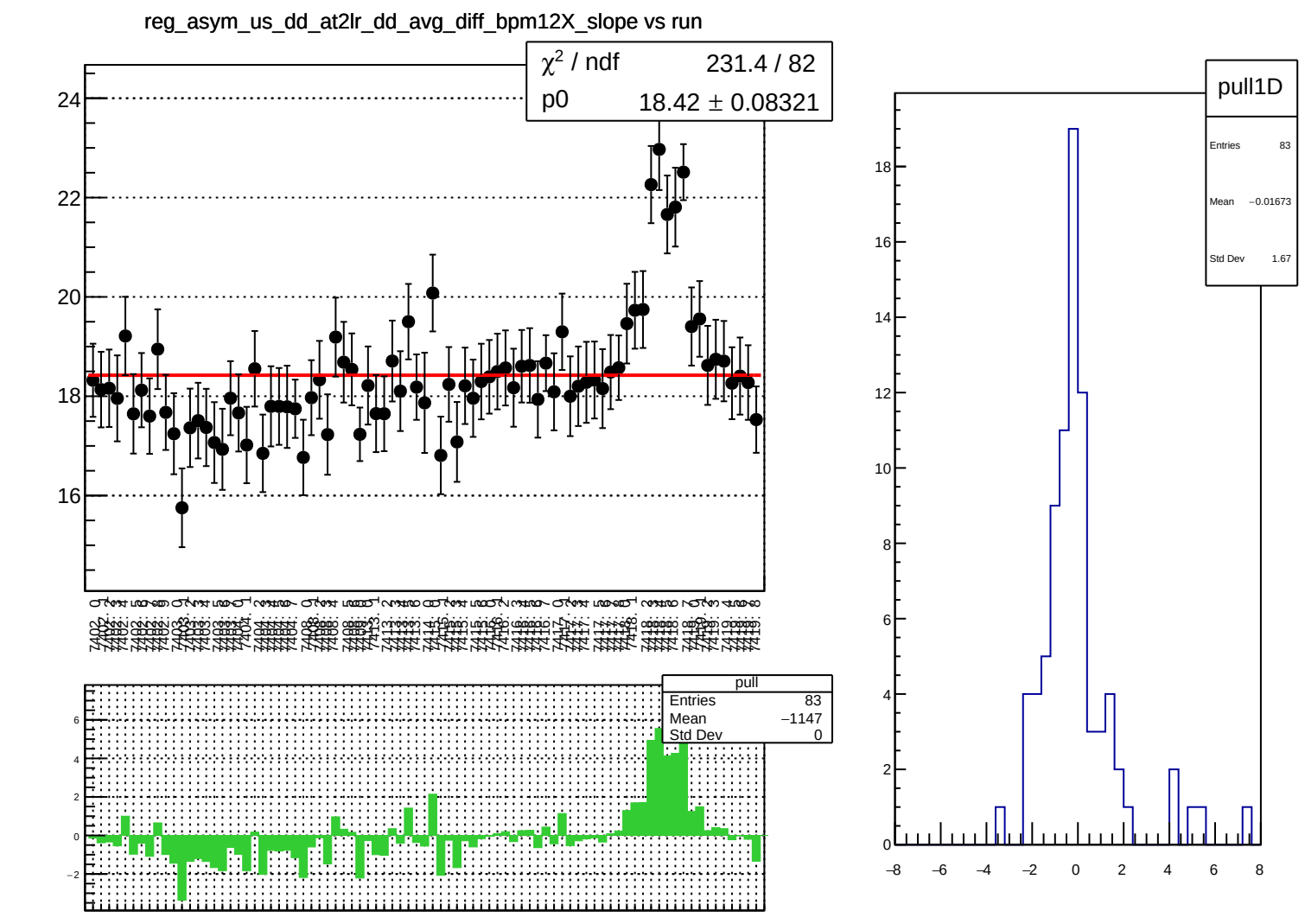

pull1D
Entries 83
Mean 0.1061
Std Dev 1.347

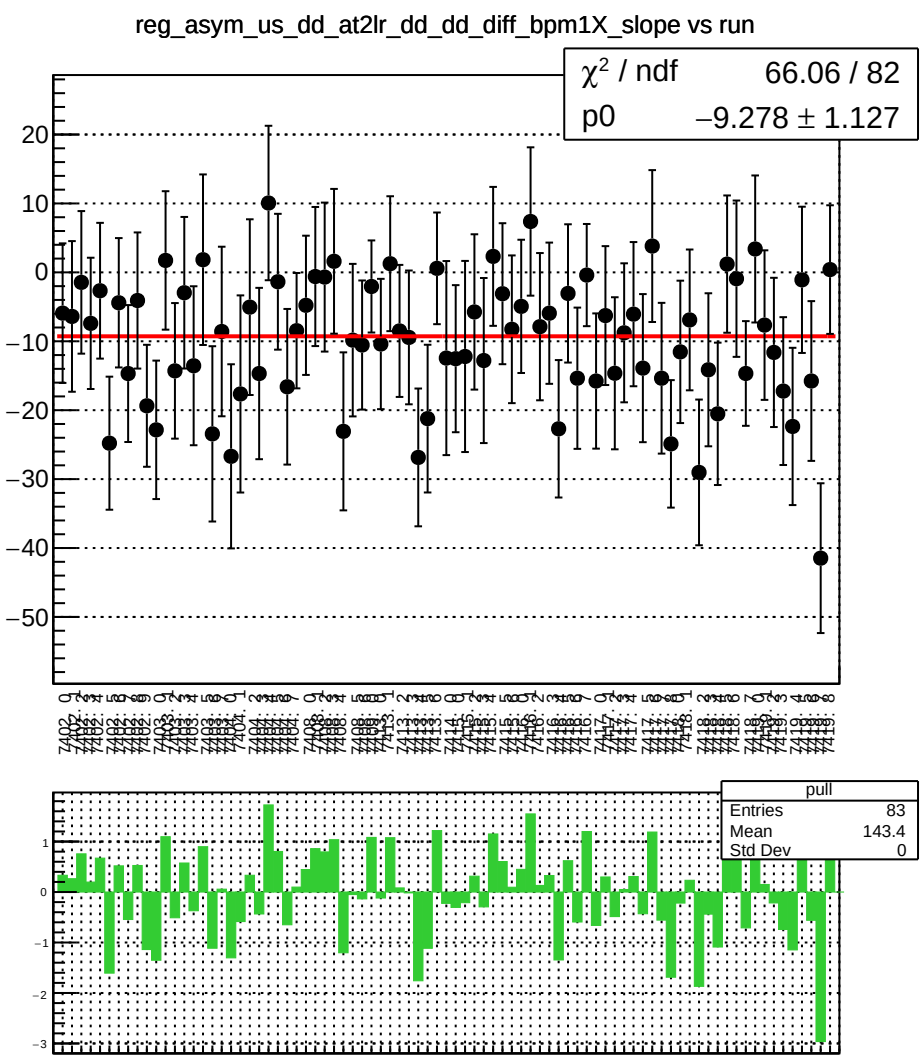

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 85.93 / 82
p0 32.53 ± 1.816
150
100
50
0
−50
pull
Entries 83
Mean −2827
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.0008999
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

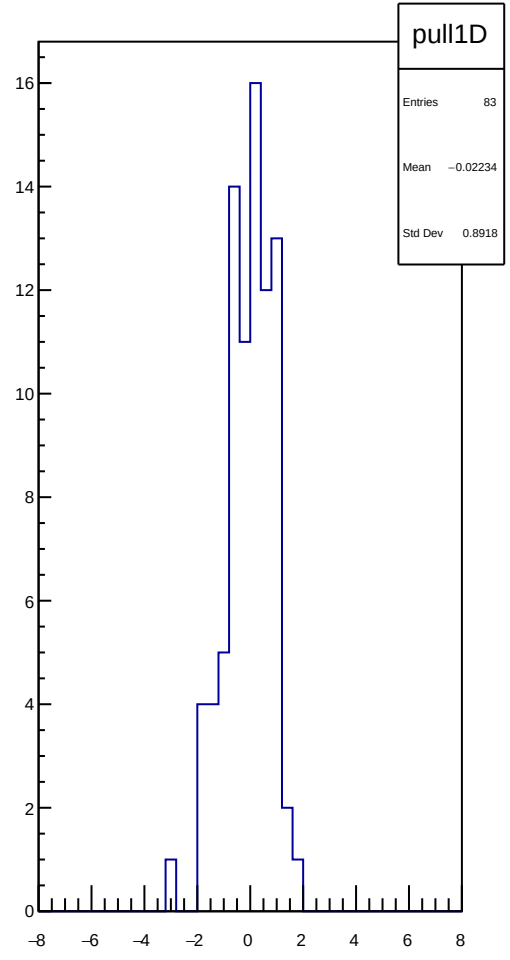

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 157.3 / 82
p0 −104.3 ± 1.869
pull
Entries 83
Mean 19.92
Std Dev 0

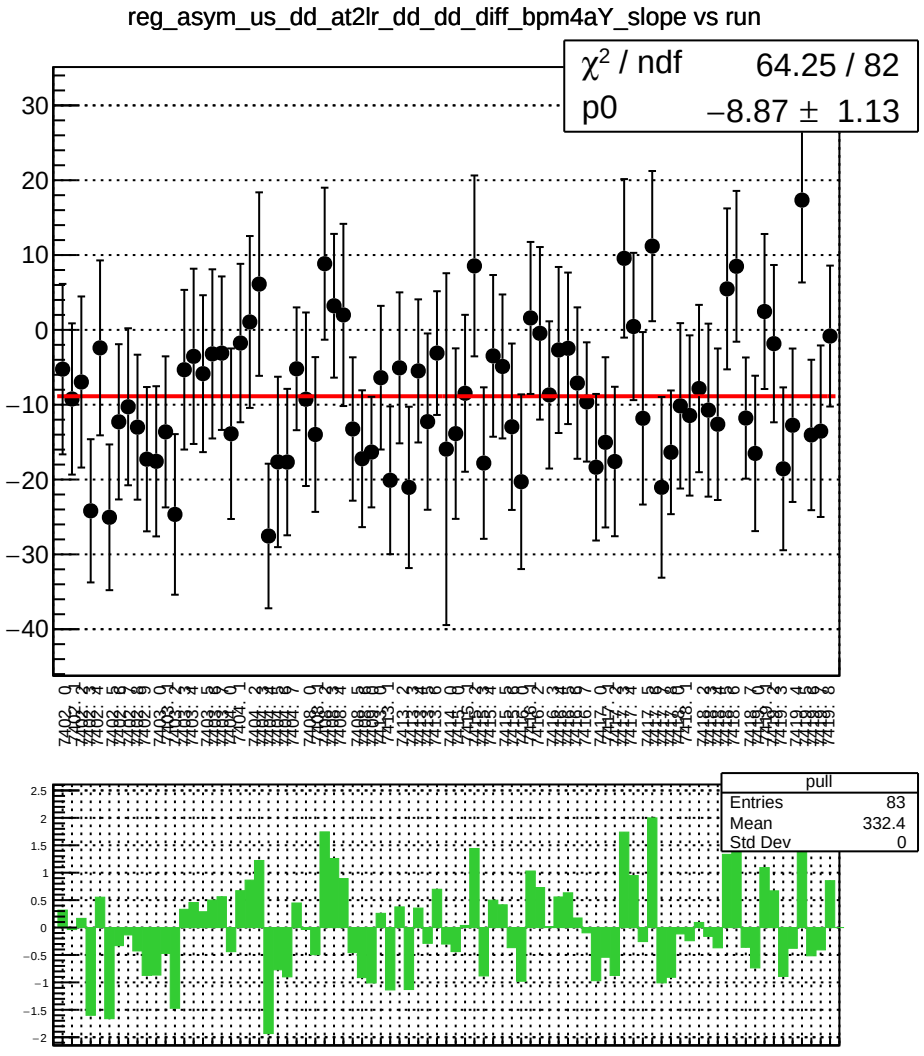

pull1D
Entries 83
Mean −0.1129
Std Dev 1.372

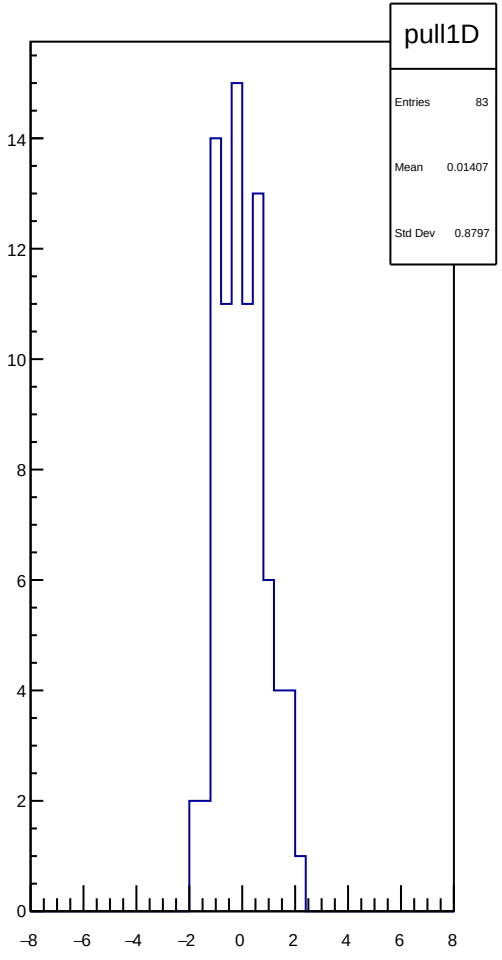

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.14 / 82
p0 −37.04 ± 1.91
50
0
−50
−100
−150
pull
Entries 83
Mean 1400
Std Dev 0
pull1D
Entries 83
Mean 0.001493
Std Dev 1.007

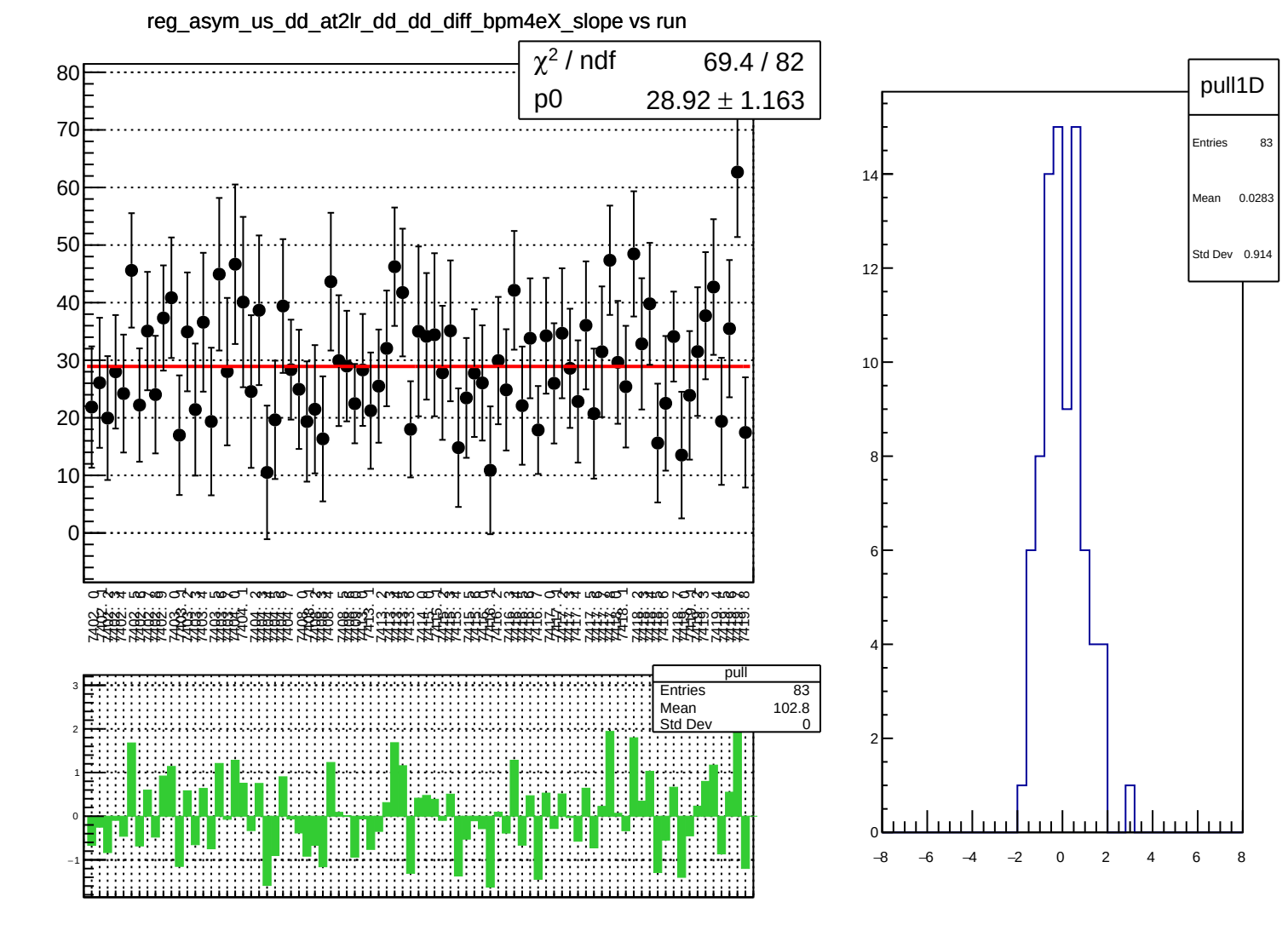

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 231.4 / 82
p0 18.42 ± 0.08321
24
22
20
18
16
pull
Entries 83
Mean −1147
Std Dev 0
6
4
2
0
−2
pull1D
Entries 83
Mean −0.01673
Std Dev 1.67
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

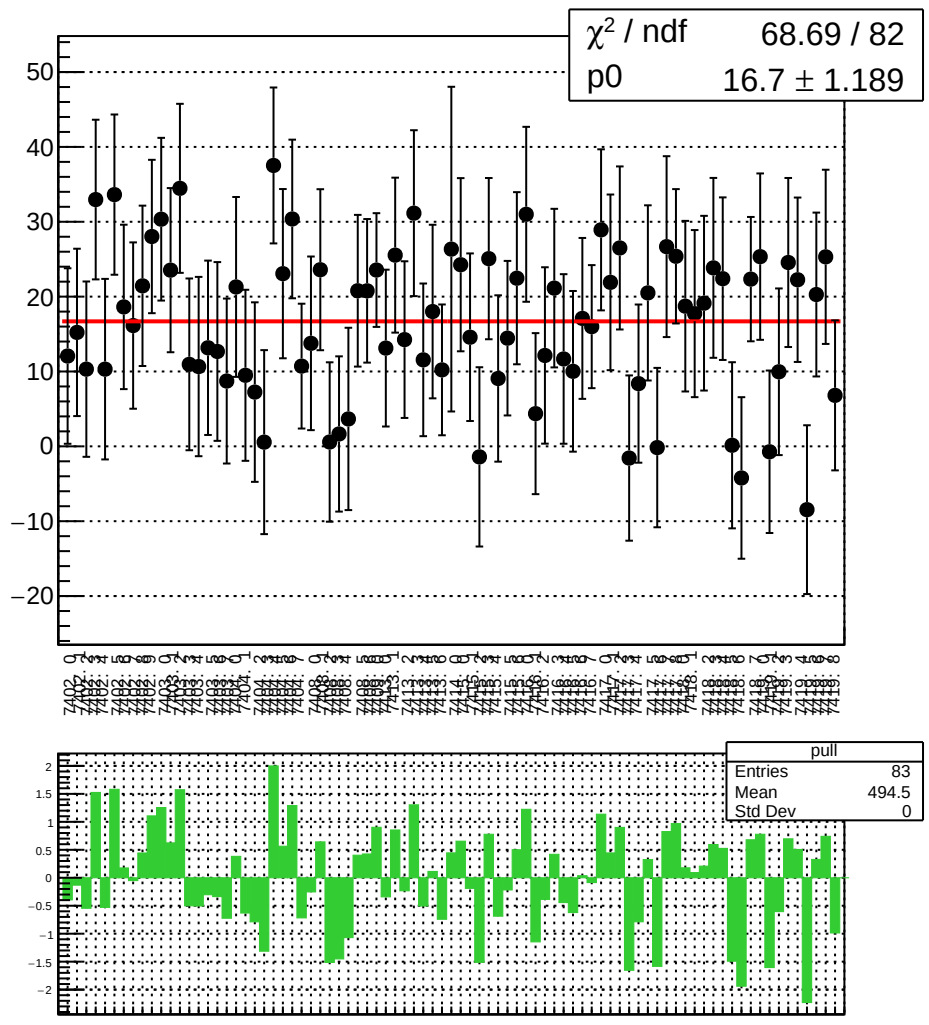

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 66.06 / 82
p0 −9.278 ± 1.127
pull
Entries 83
Mean 143.4
Std Dev 0

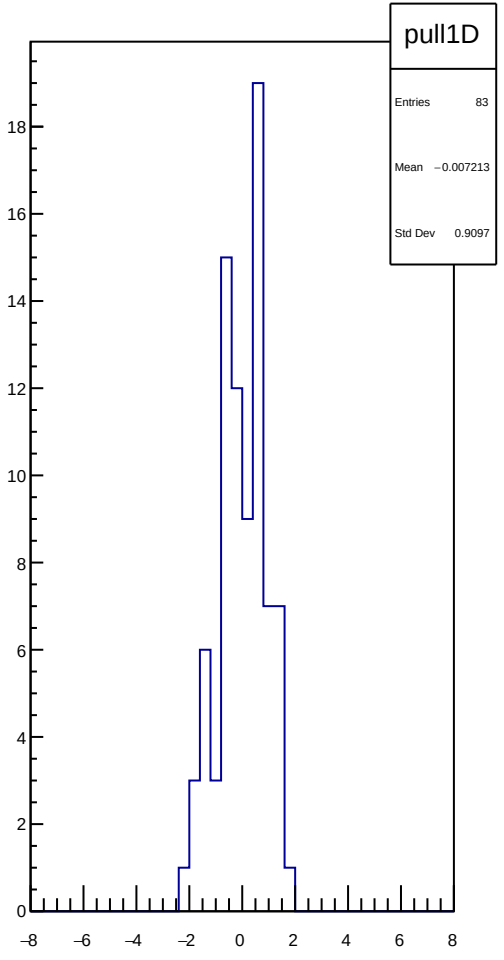

pull1D
Entries 83
Mean −0.02234
Std Dev 0.8918

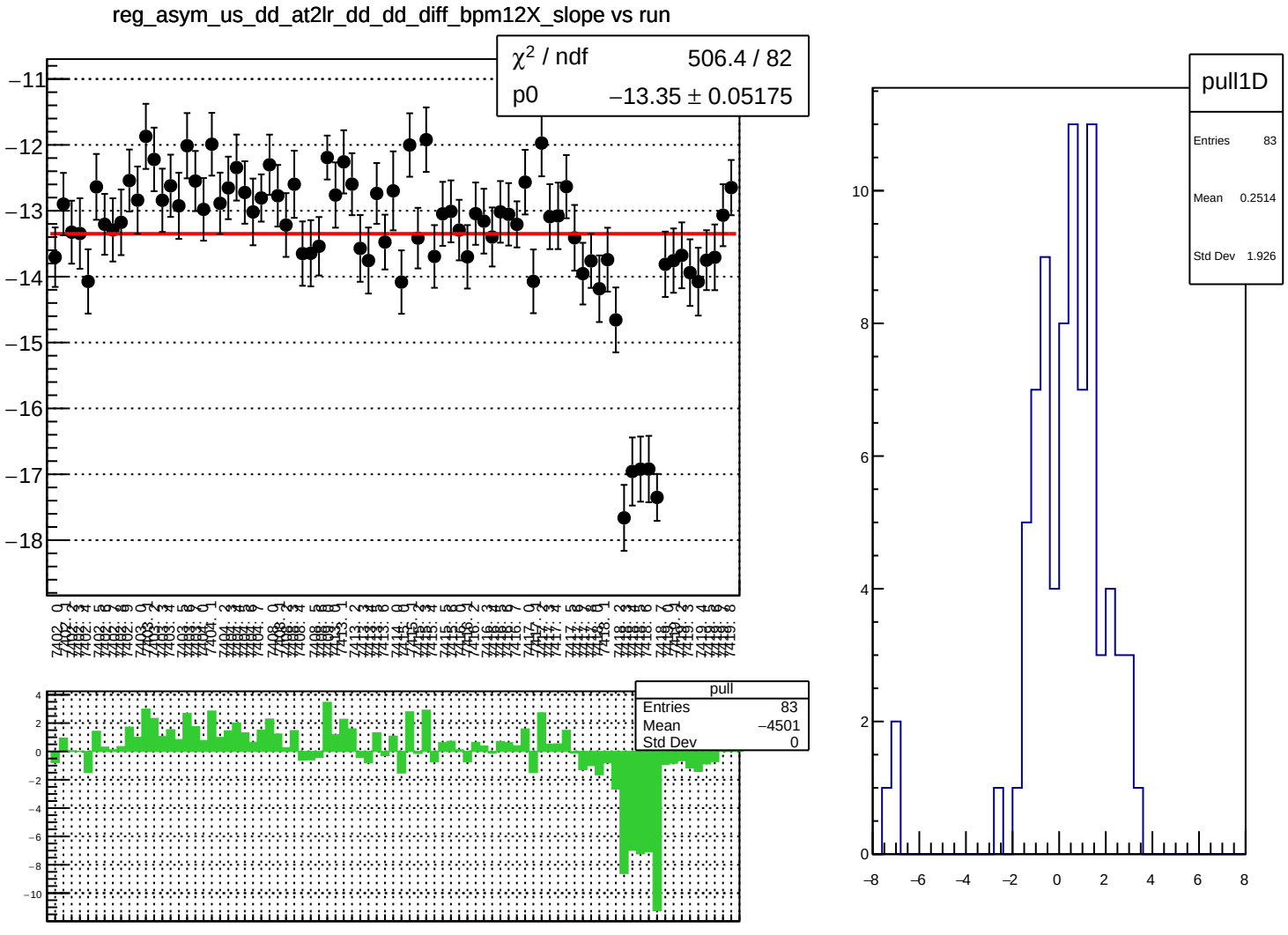

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.25 / 82
p0 −8.87 ± 1.13
pull
Entries 83
Mean 332.4
Std Dev 0

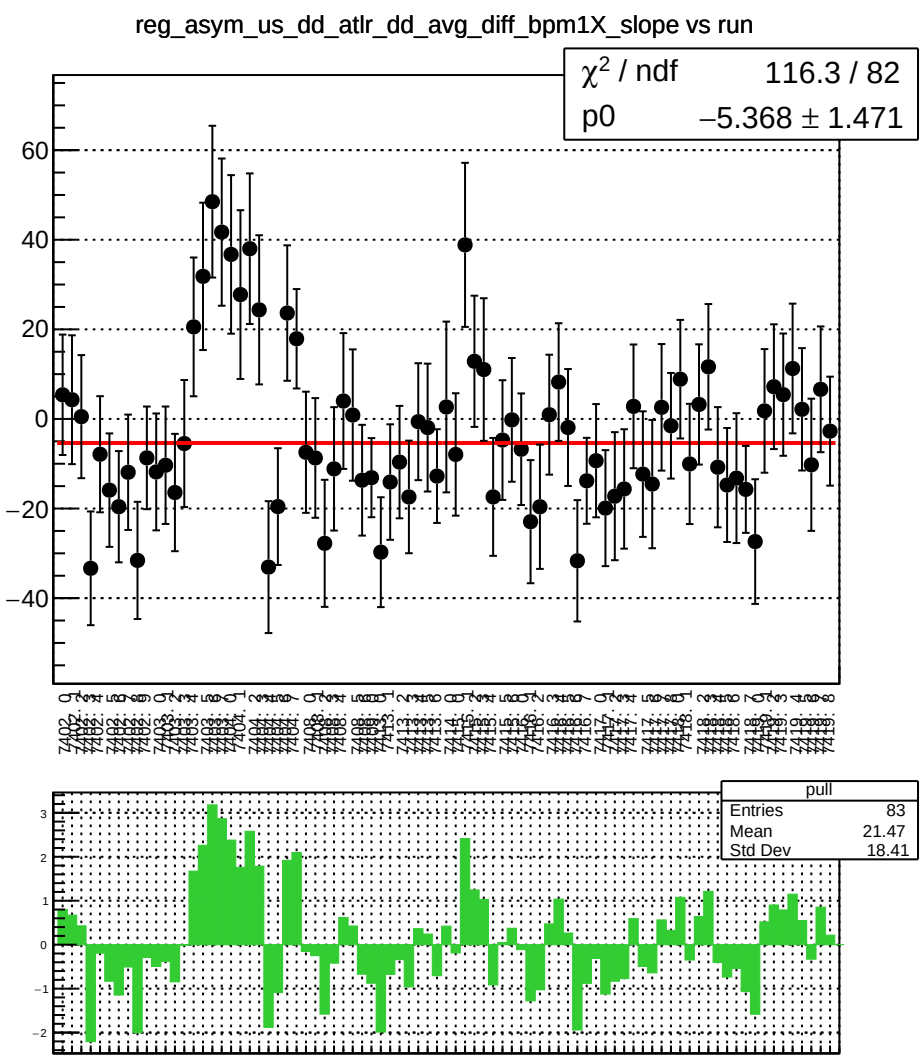

pull1D
Entries 83
Mean 0.01407
Std Dev 0.8797

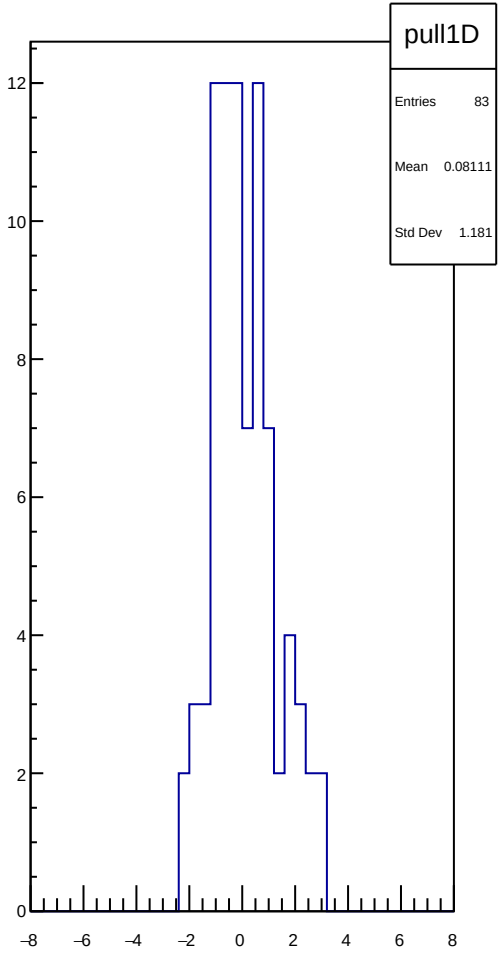

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.4 / 82
p0 28.92 ± 1.163
pull
Entries 83
Mean 102.8
Std Dev 0
pull1D
Entries 83
Mean 0.0283
Std Dev 0.914

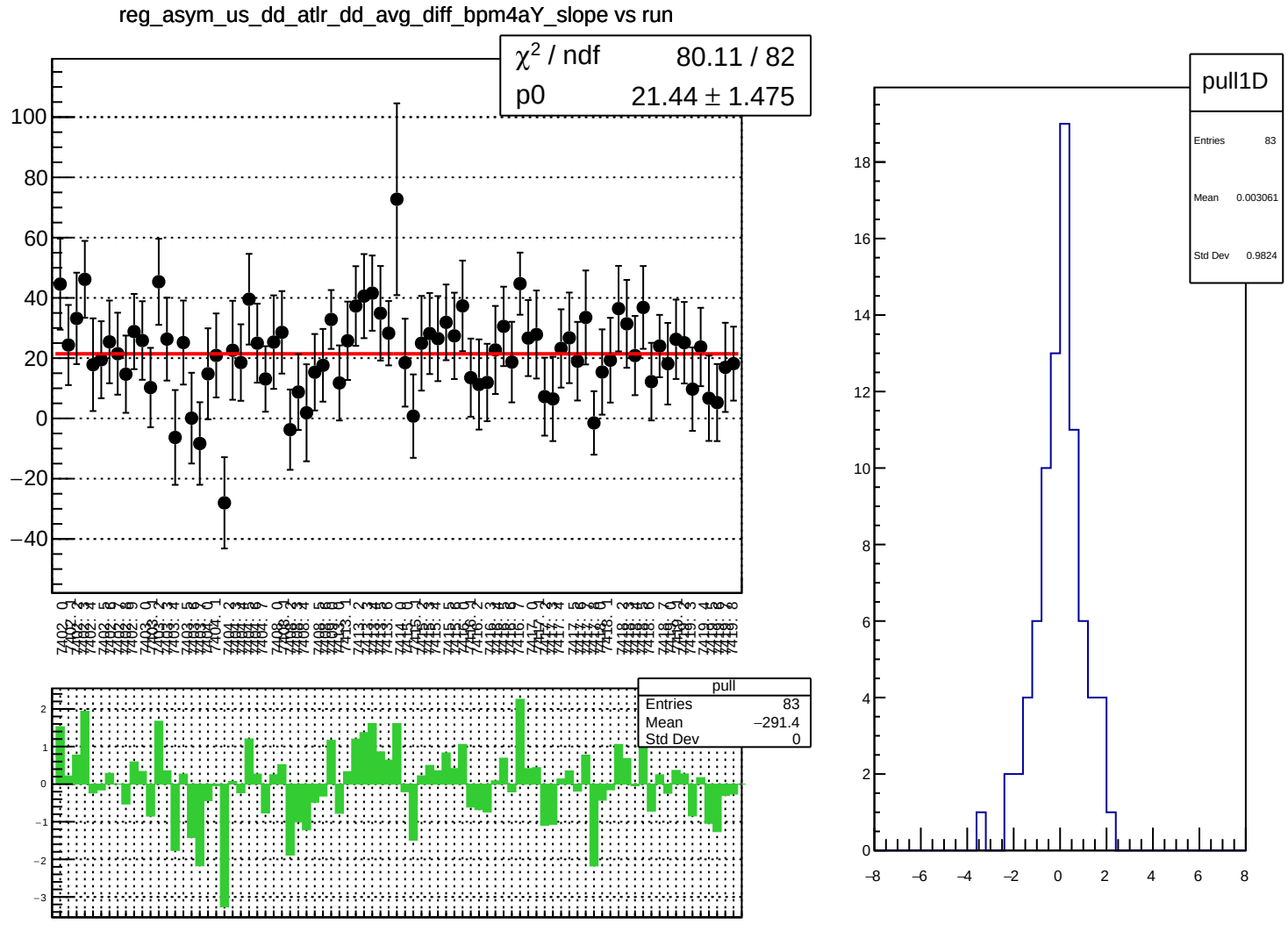

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.69 / 82
p0 16.7 ± 1.189
pull
Entries 83
Mean 494.5
Std Dev 0

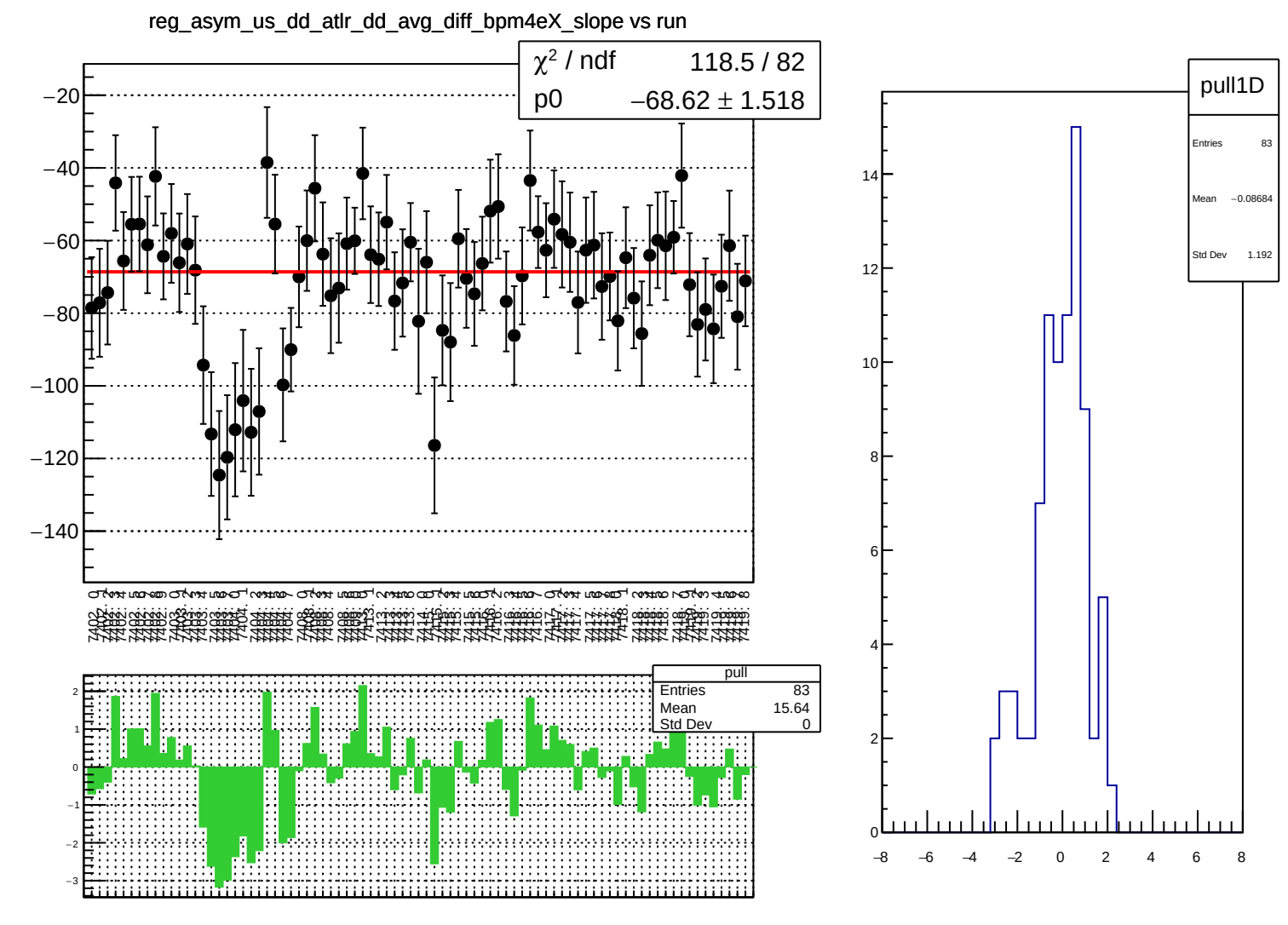

pull1D
Entries 83
Mean −0.007213
Std Dev 0.9097

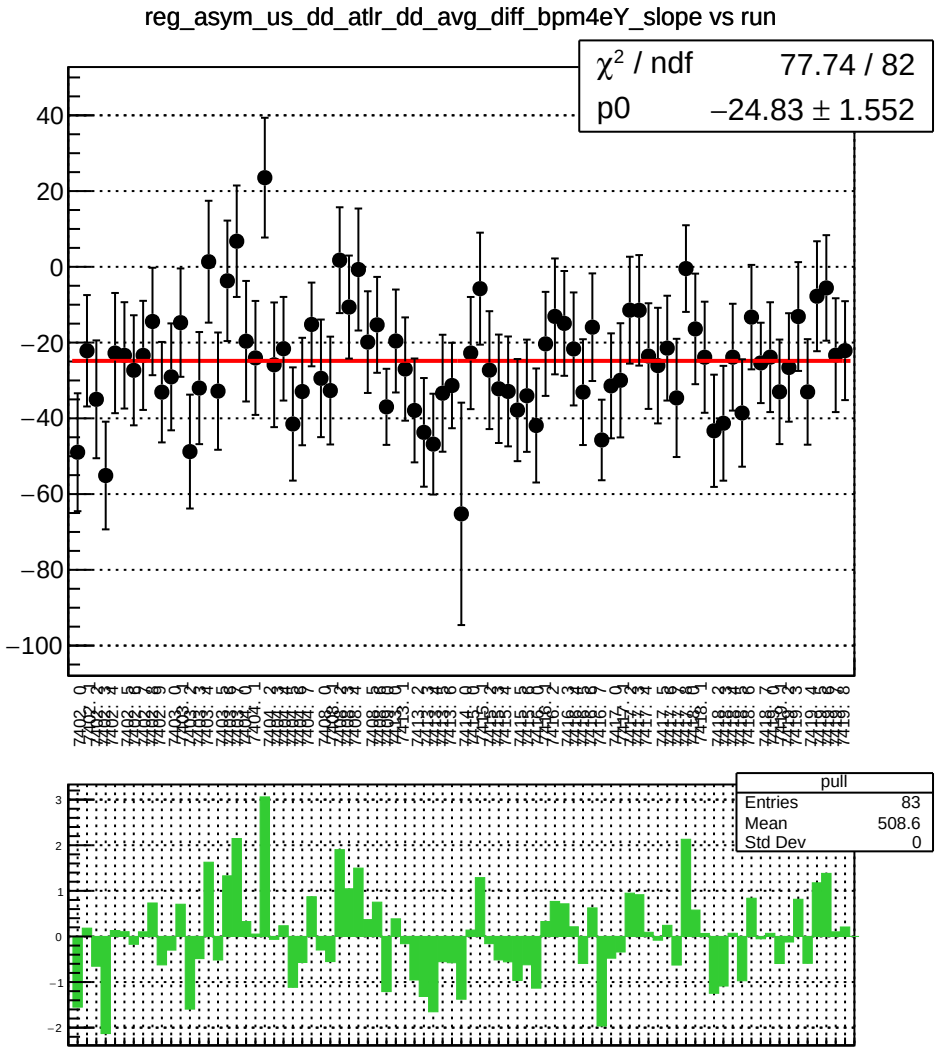

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 506.4 / 82
p0 −13.35 ± 0.05175
pull
Entries 83
Mean −4501
Std Dev 0
pull1D
Entries 83
Mean 0.2514
Std Dev 1.926

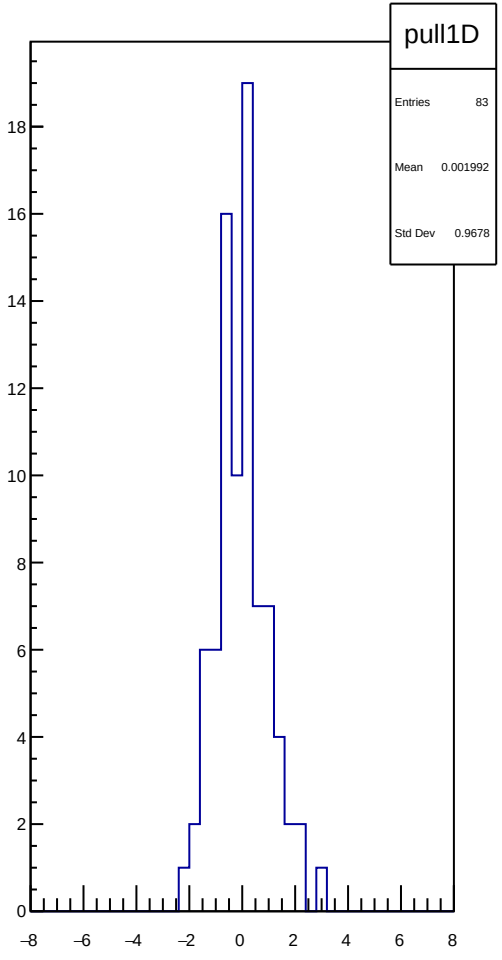

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 116.3 / 82
p0 −5.368 ± 1.471
pull
Entries 83
Mean 21.47
Std Dev 18.41

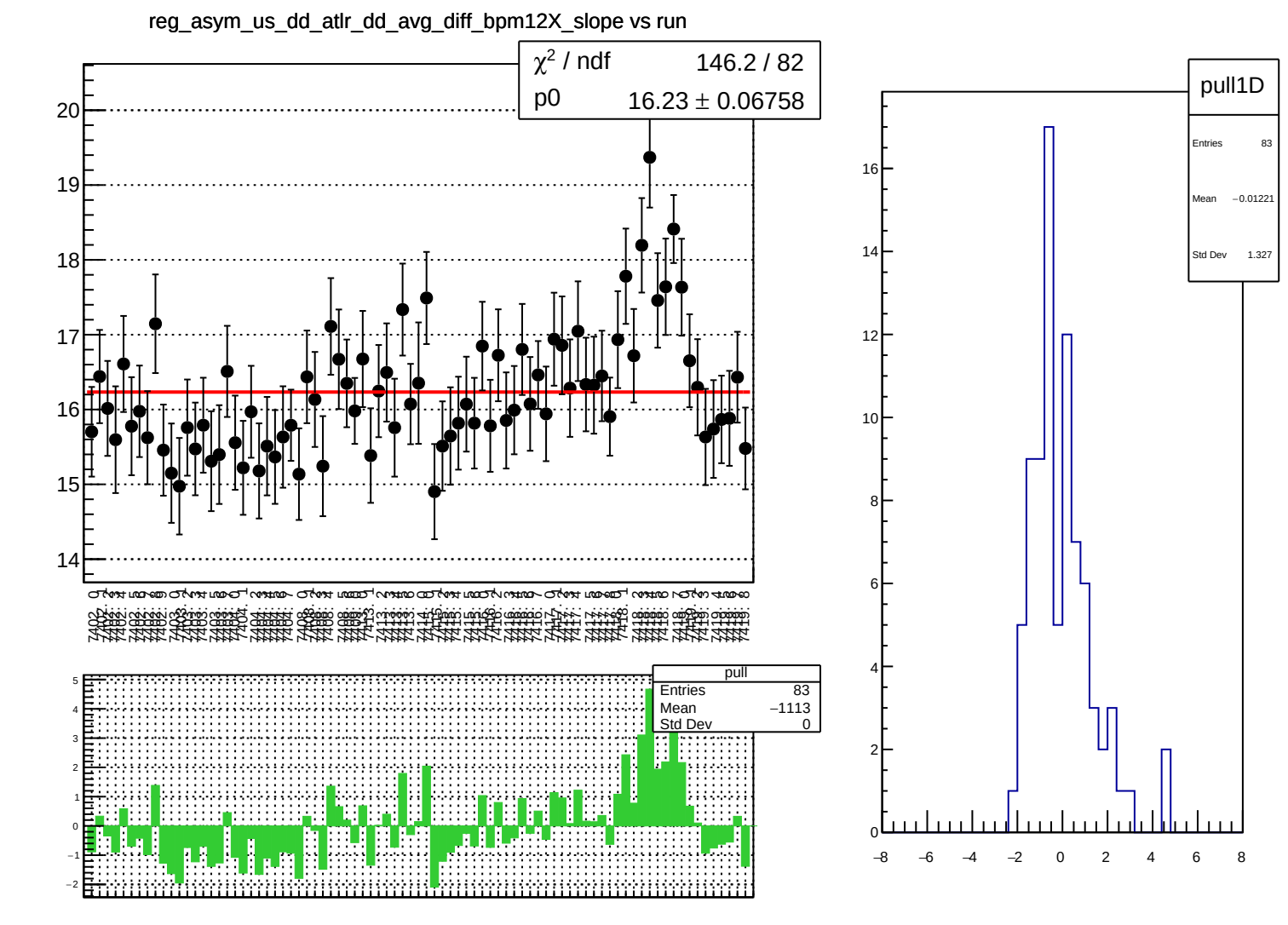

pull1D
Entries 83
Mean 0.08111
Std Dev 1.181

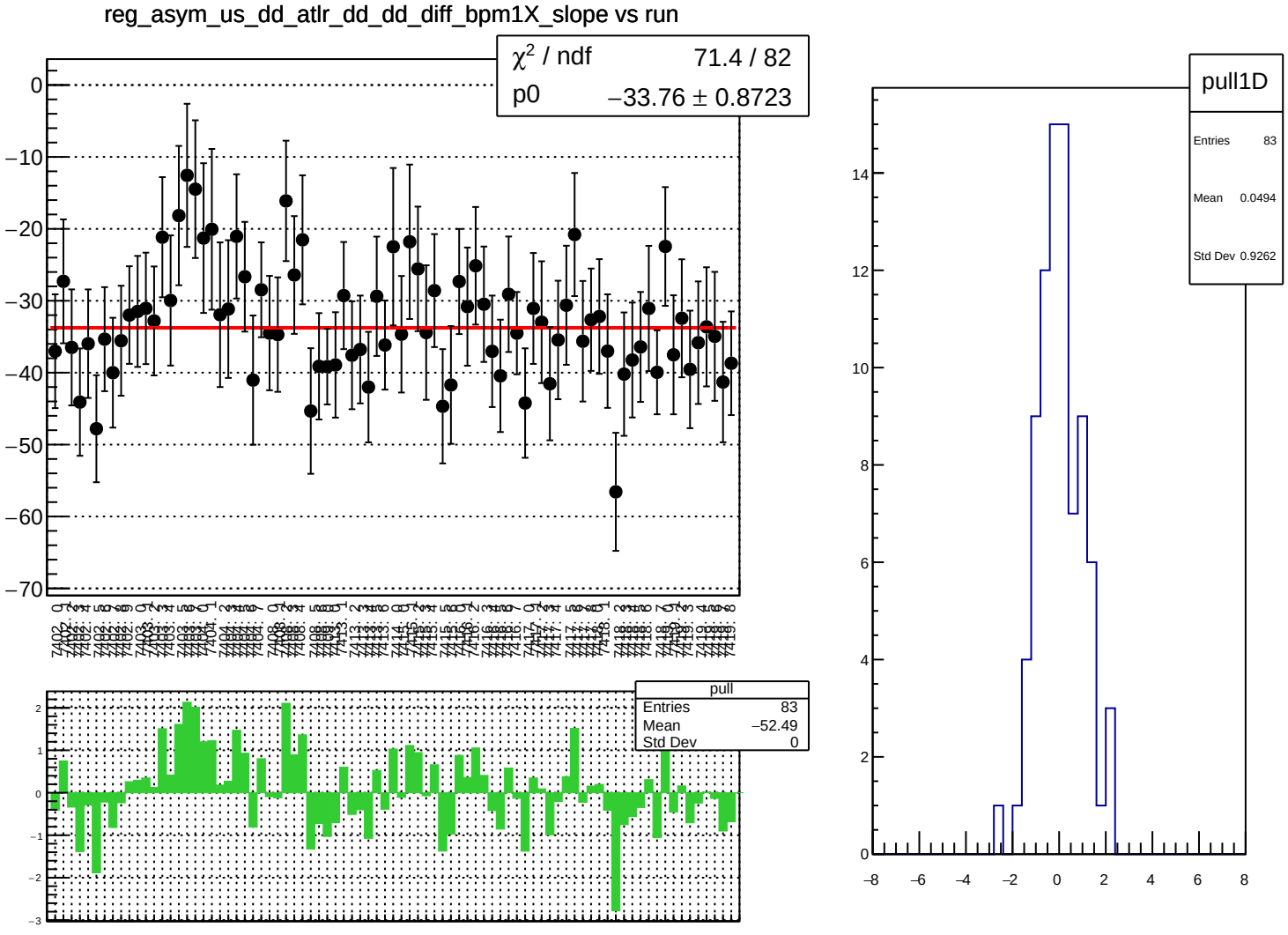

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 80.11 / 82
p0 21.44 ± 1.475
pull
Entries 83
Mean −291.4
Std Dev 0
pull1D
Entries 83
Mean 0.003061
Std Dev 0.9824

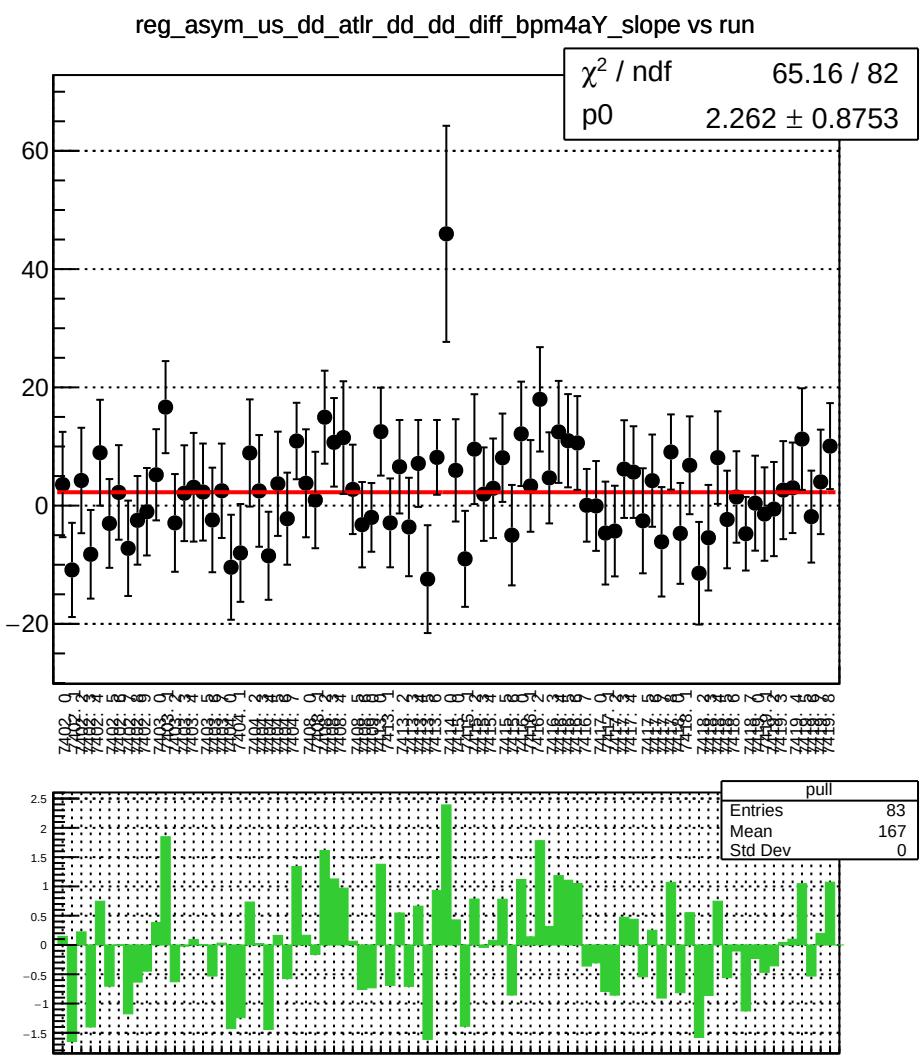

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 118.5 / 82
p0 −68.62 ± 1.518
pull
Entries 83
Mean 15.64
Std Dev 0
pull1D
Entries 83
Mean −0.08684
Std Dev 1.192

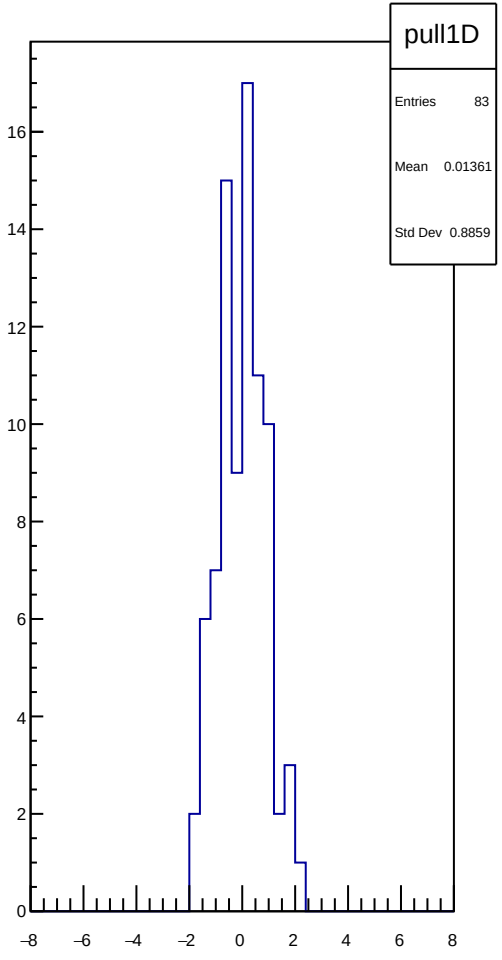

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 77.74 / 82
p0 −24.83 ± 1.552
pull
Entries 83
Mean 508.6
Std Dev 0

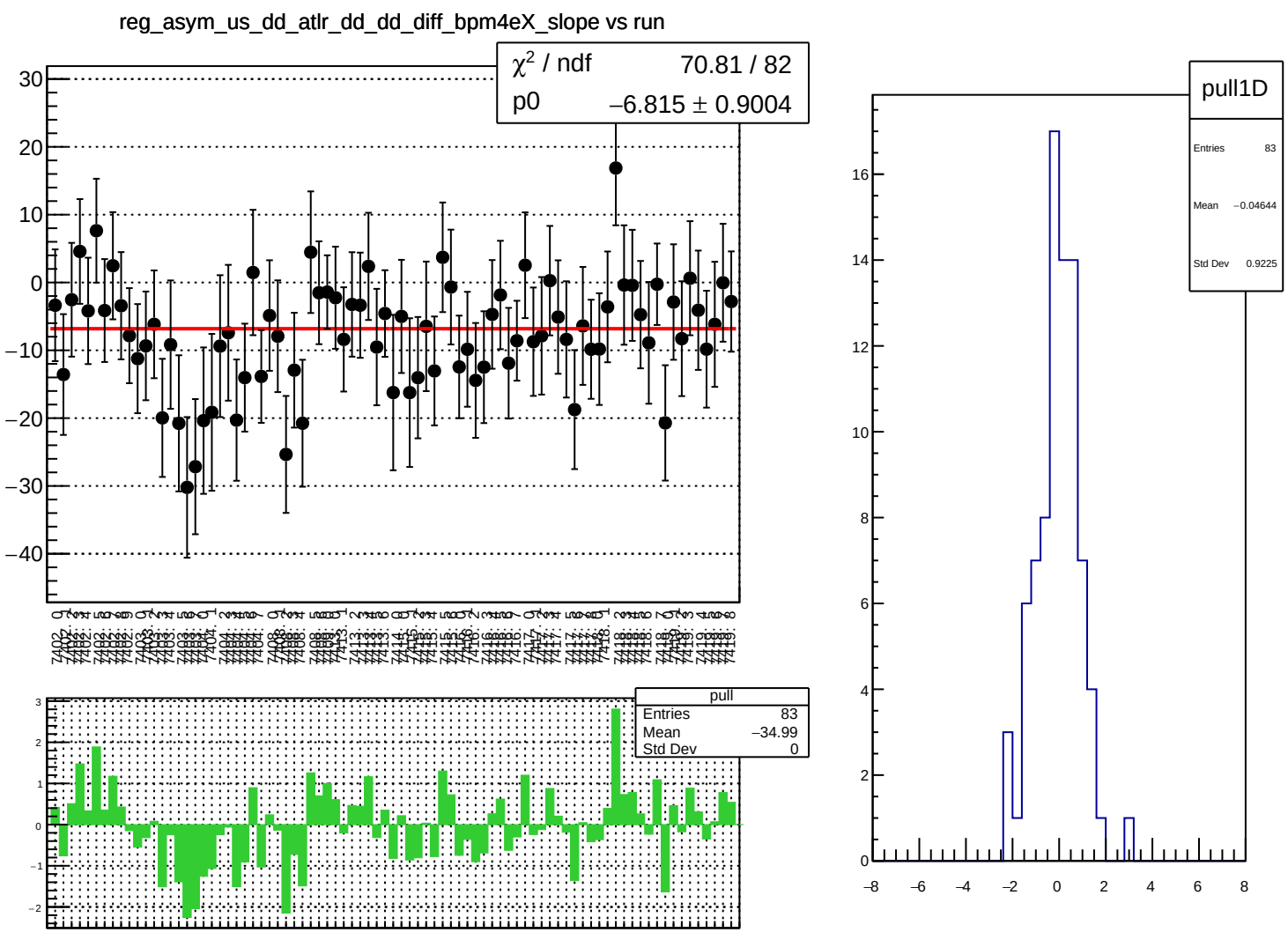

pull1D
Entries 83
Mean 0.001992
Std Dev 0.9678

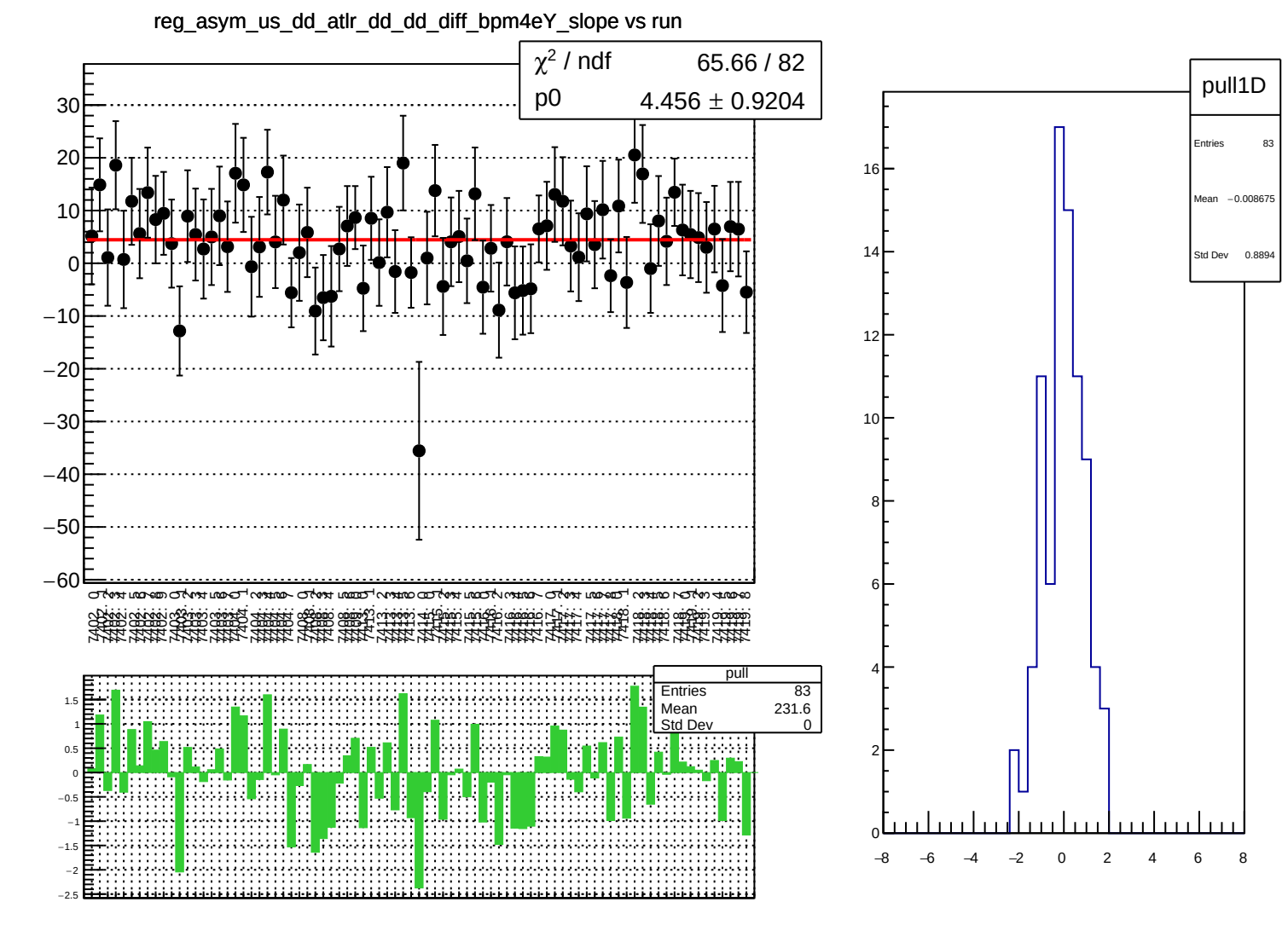

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 146.2 / 82
p0 16.23 ± 0.06758
pull
Entries 83
Mean −1113
Std Dev 0
pull1D
Entries 83
Mean −0.01221
Std Dev 1.327

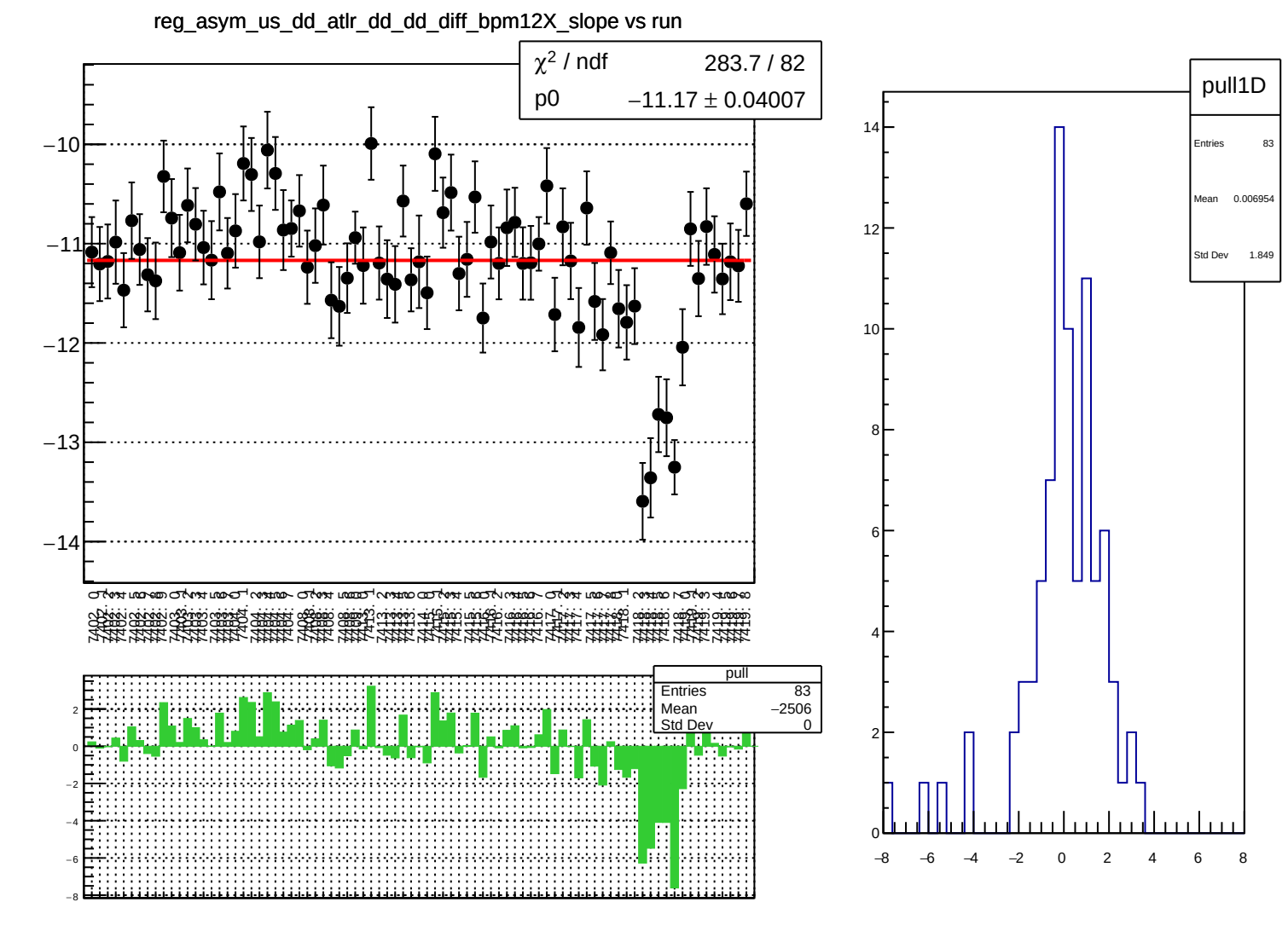

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 71.4 / 82
p0 −33.76 ± 0.8723
pull
Entries 83
Mean −52.49
Std Dev 0
pull1D
Entries 83
Mean 0.0494
Std Dev 0.9262

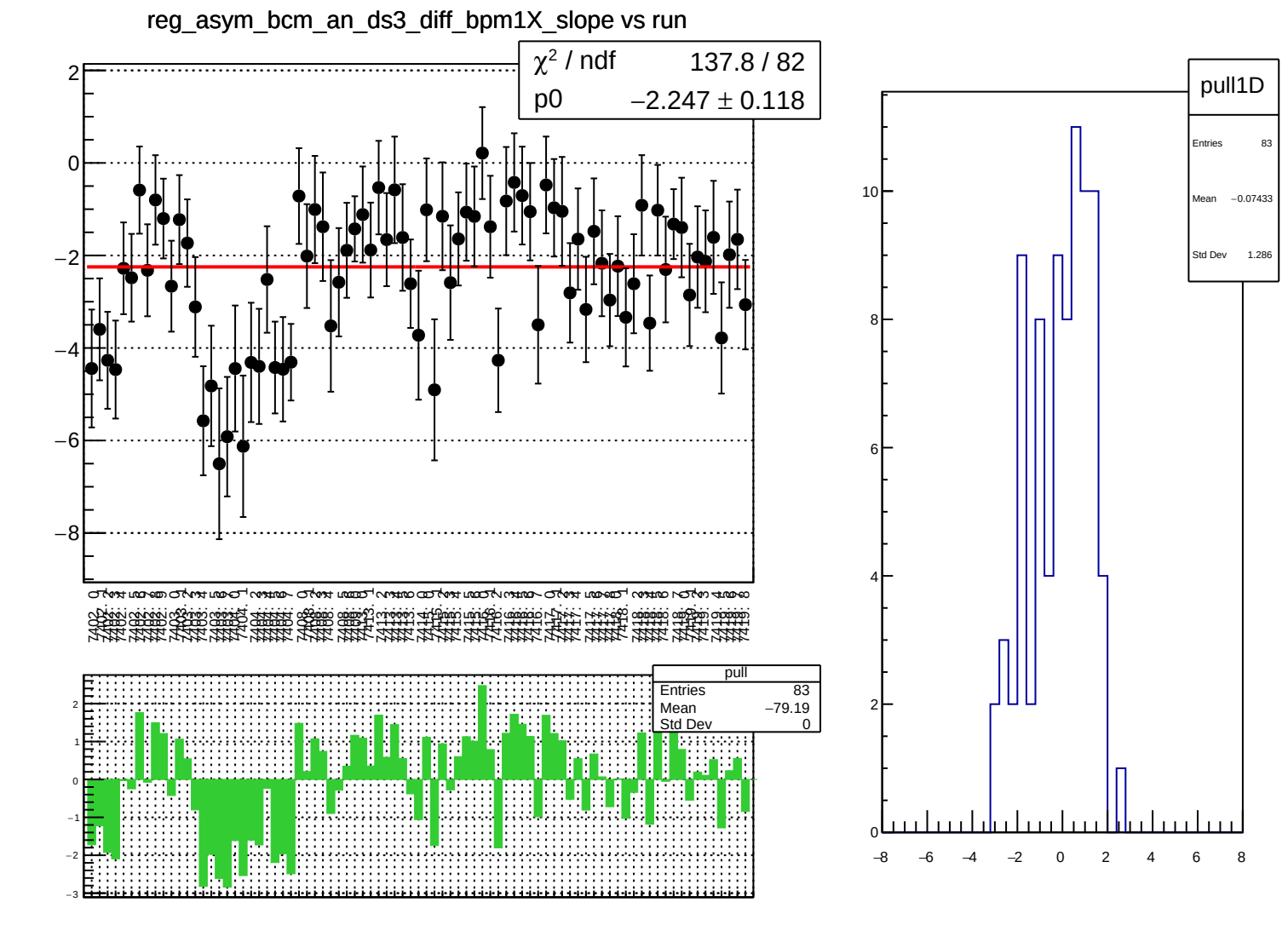

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.16 / 82
p0 2.262 ± 0.8753
pull
Entries 83
Mean 167
Std Dev 0

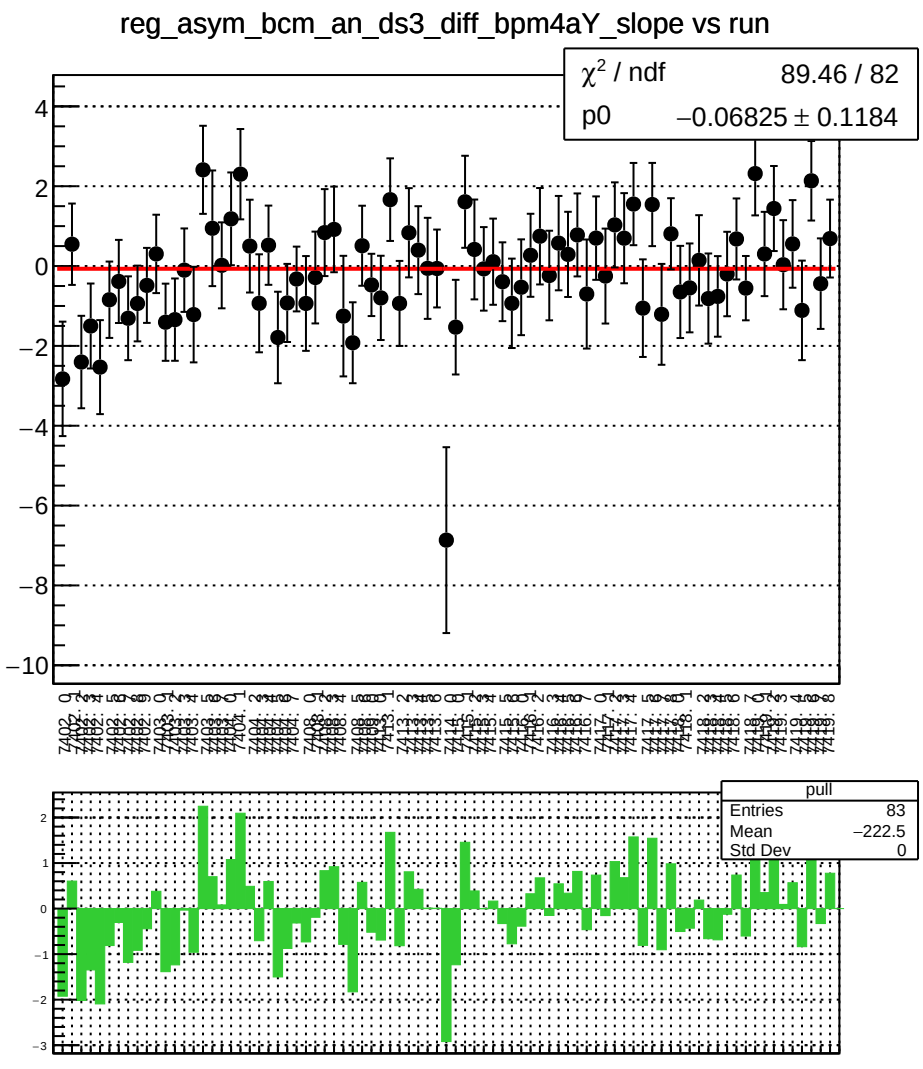

pull1D
Entries 83
Mean 0.01361
Std Dev 0.8859

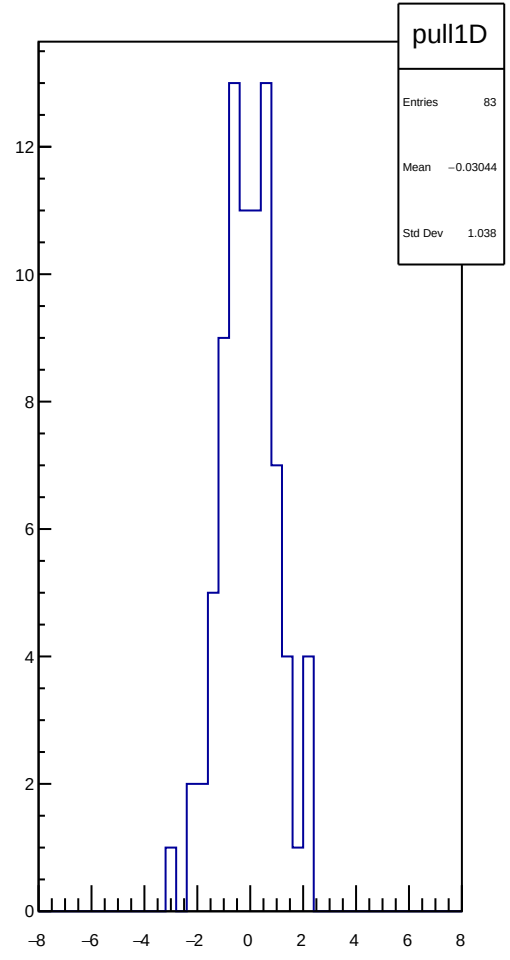

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.81 / 82
p0 −6.815 ± 0.9004
pull
Entries 83
Mean −34.99
Std Dev 0
pull1D
Entries 83
Mean −0.04644
Std Dev 0.9225

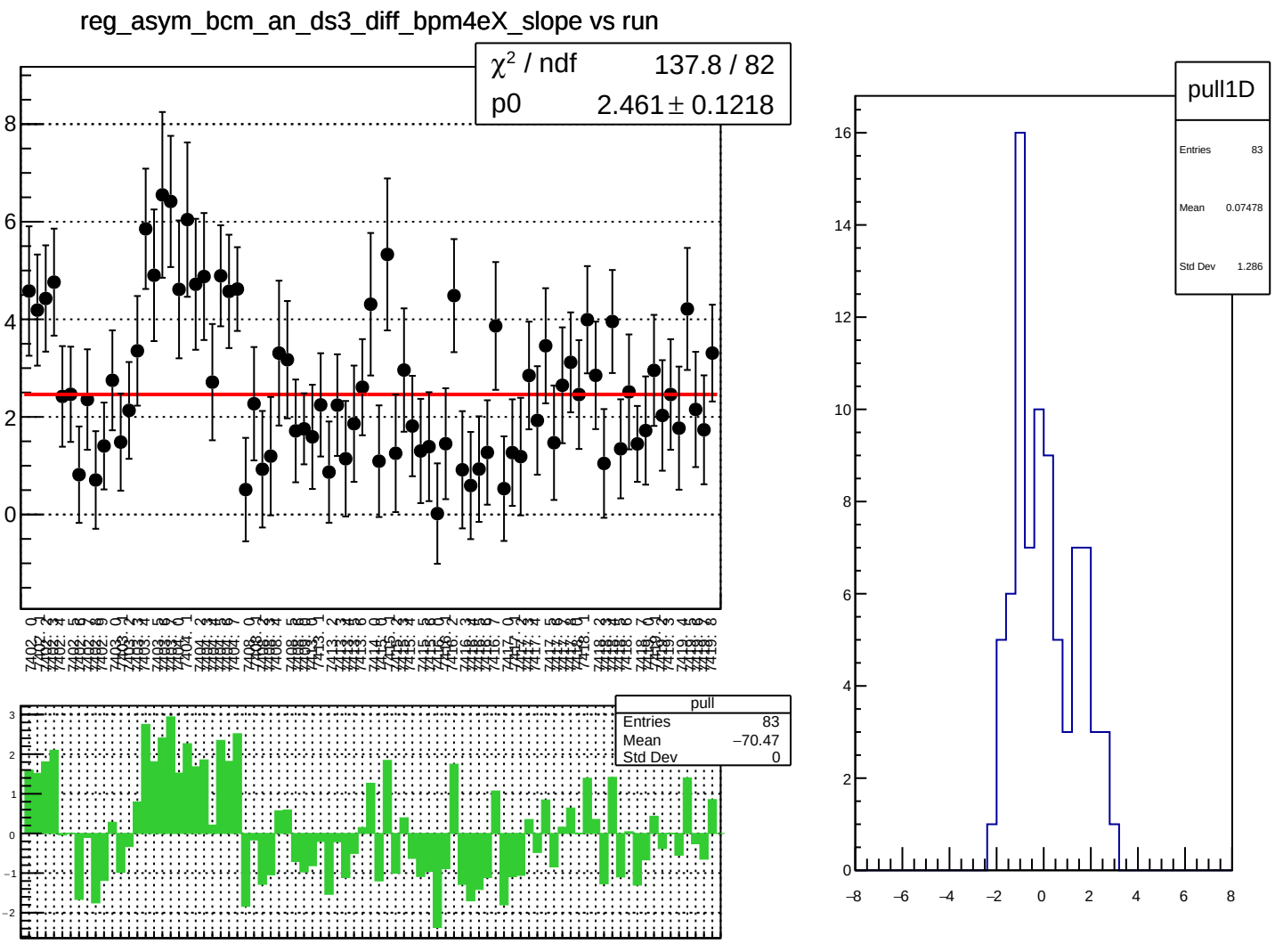

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.66 / 82
p0 4.456 ± 0.9204
pull
Entries 83
Mean 231.6
Std Dev 0
pull1D
Entries 83
Mean −0.008675
Std Dev 0.8894

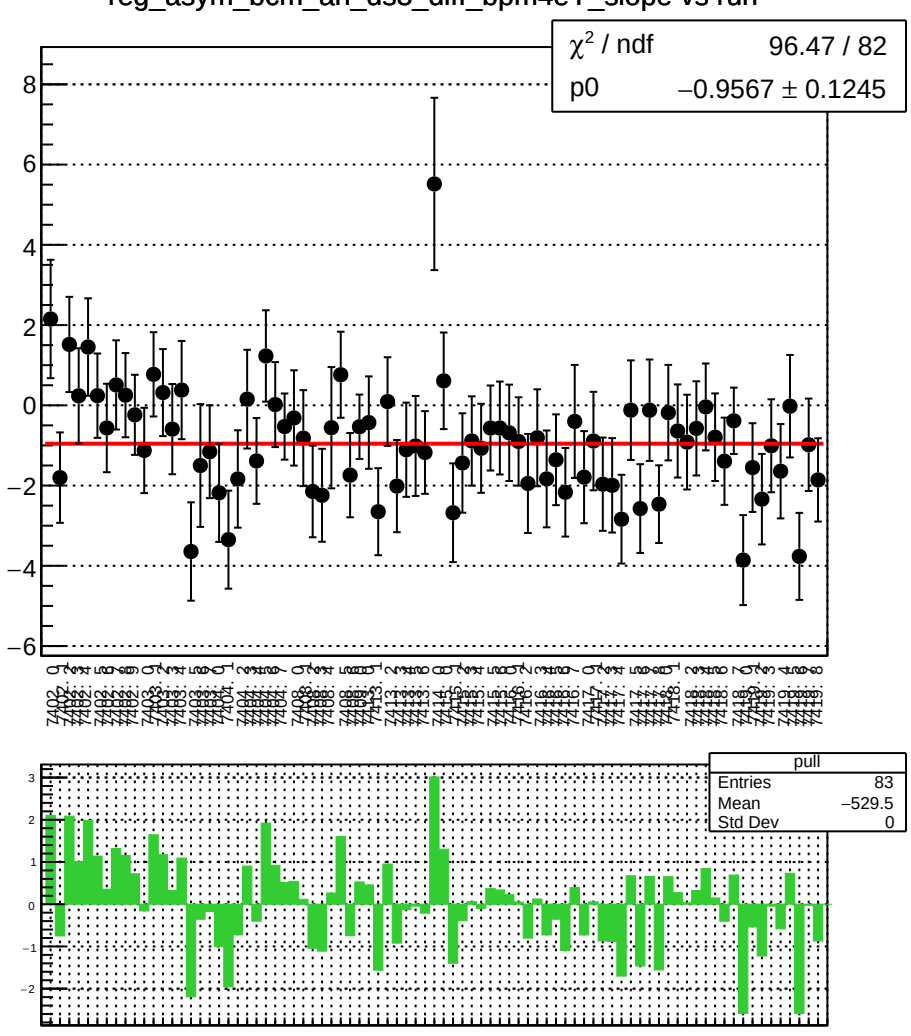

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 283.7 / 82
p0 −11.17 ± 0.04007
pull
Entries 83
Mean −2506
Std Dev 0
pull1D
Entries 83
Mean 0.006954
Std Dev 1.849

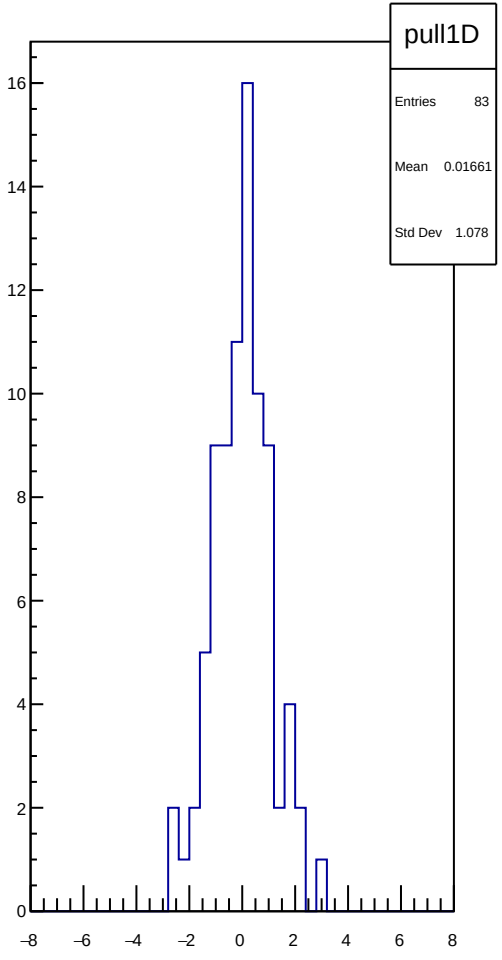

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 137.8 / 82
p0 −2.247 ± 0.118
pull
Entries 83
Mean −79.19
Std Dev 0
pull1D
Entries 83
Mean −0.07433
Std Dev 1.286

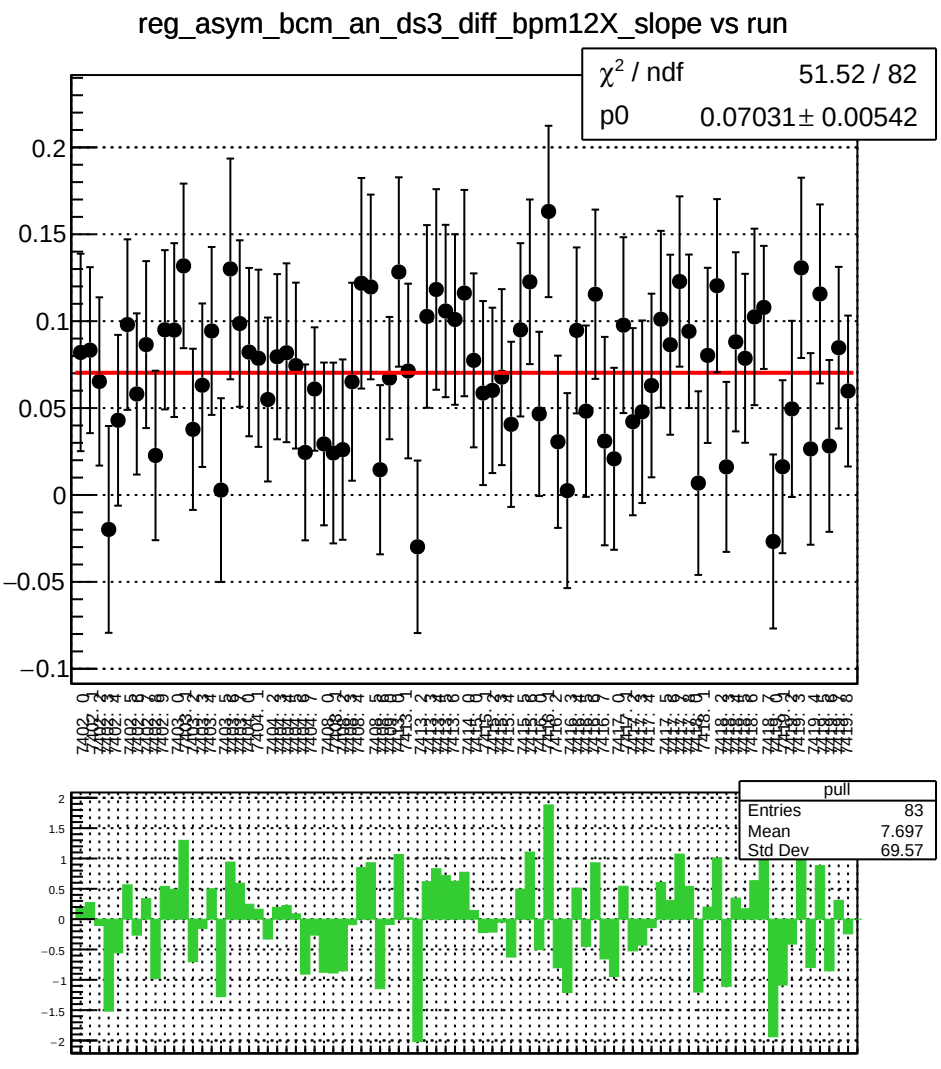

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 89.46 / 82
p0 −0.06825 ± 0.1184
pull
Entries 83
Mean −222.5
Std Dev 0

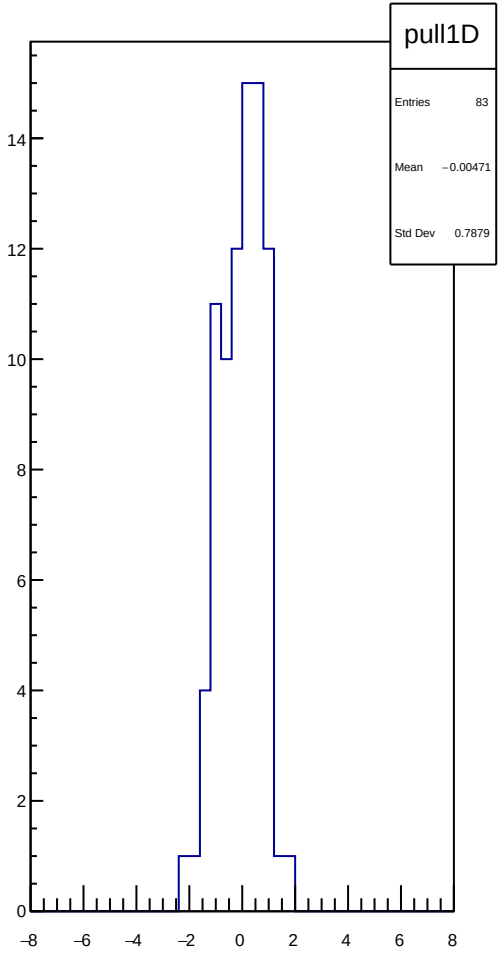

pull1D
Entries 83
Mean −0.03044
Std Dev 1.038

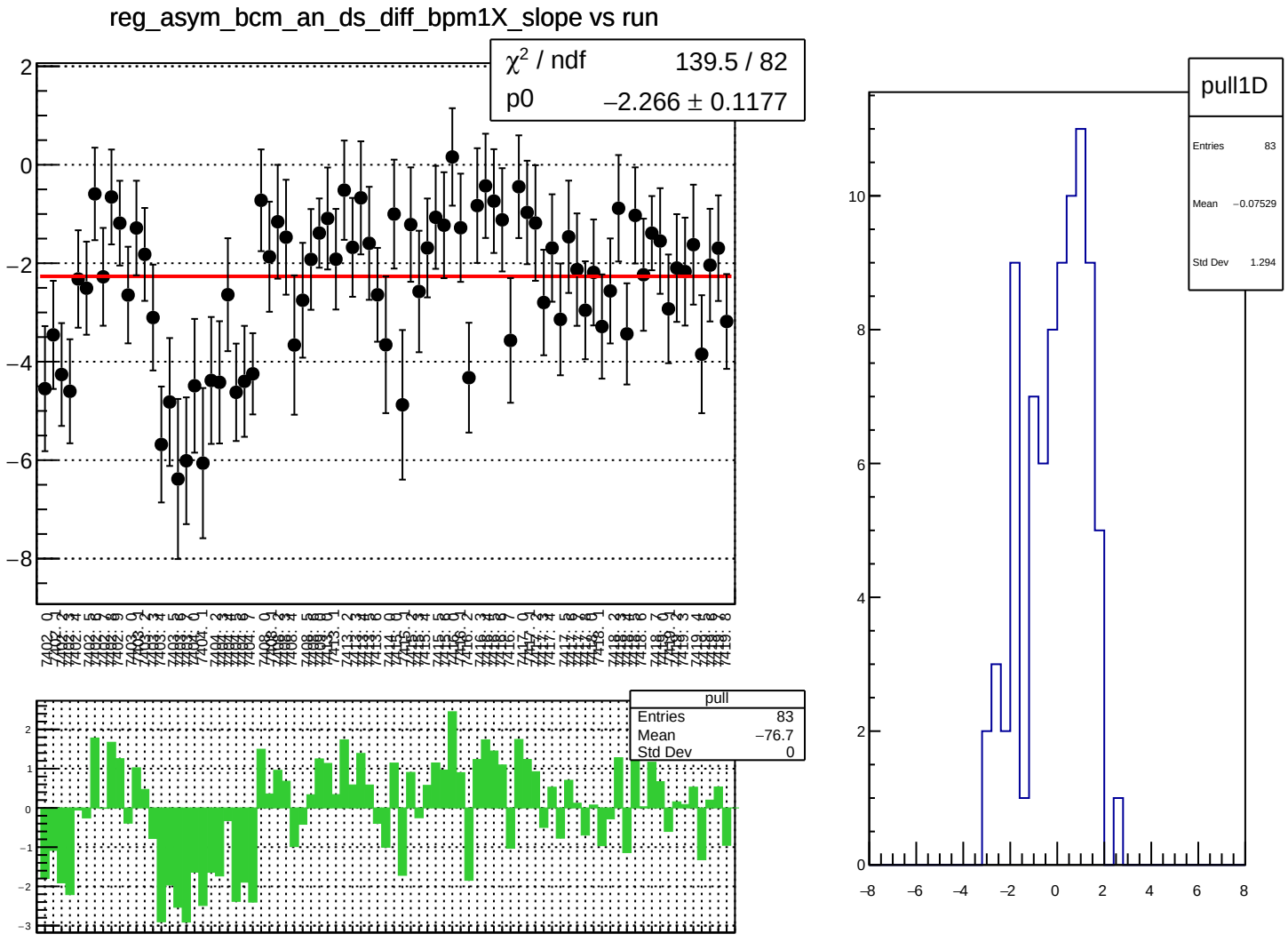

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 137.8 / 82
p0 2.461 ± 0.1218
pull
Entries 83
Mean −70.47
Std Dev 0
pull1D
Entries 83
Mean 0.07478
Std Dev 1.286

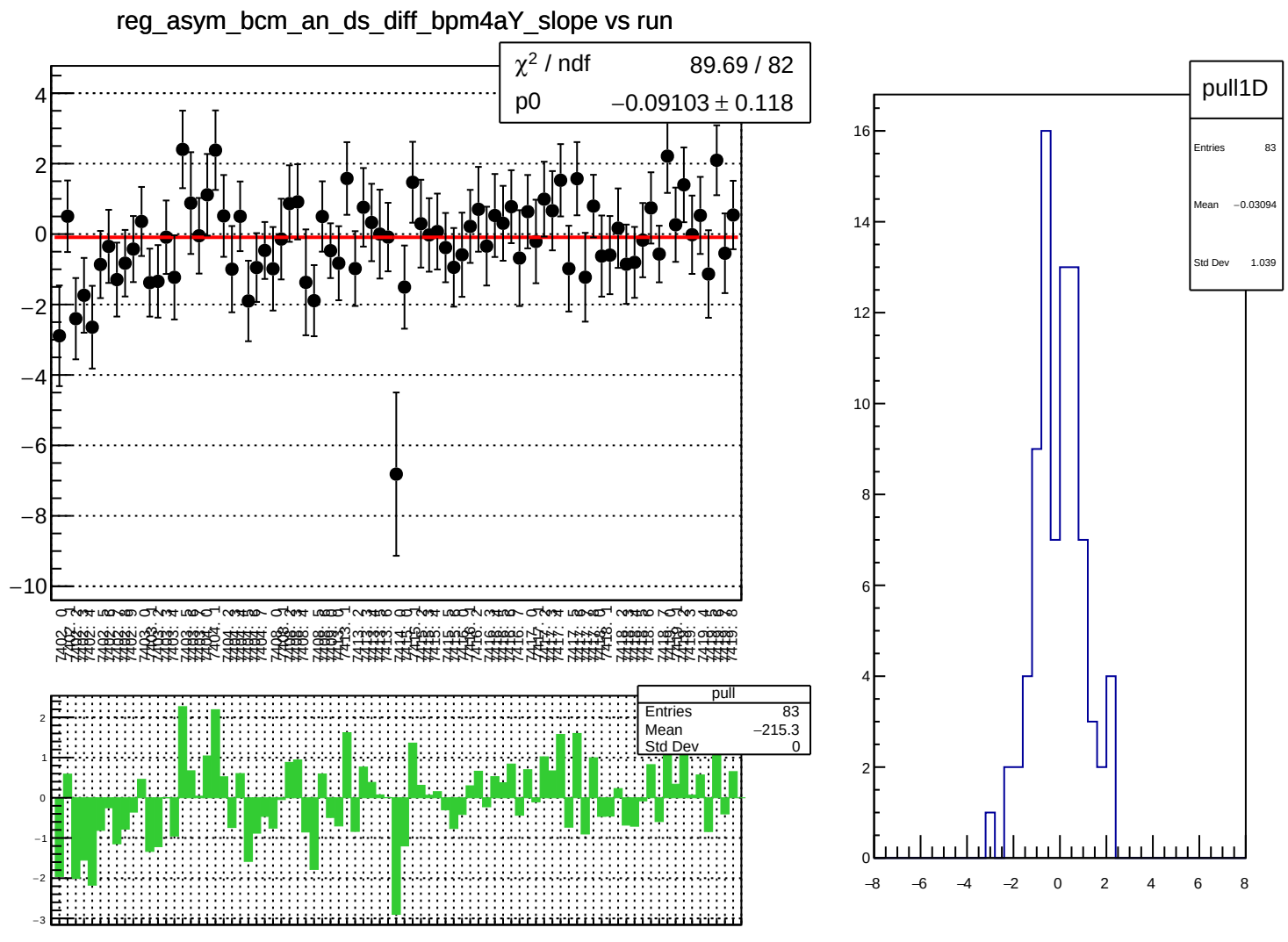

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 96.47 / 82
p0 −0.9567 ± 0.1245
pull
Entries 83
Mean −529.5
Std Dev 0

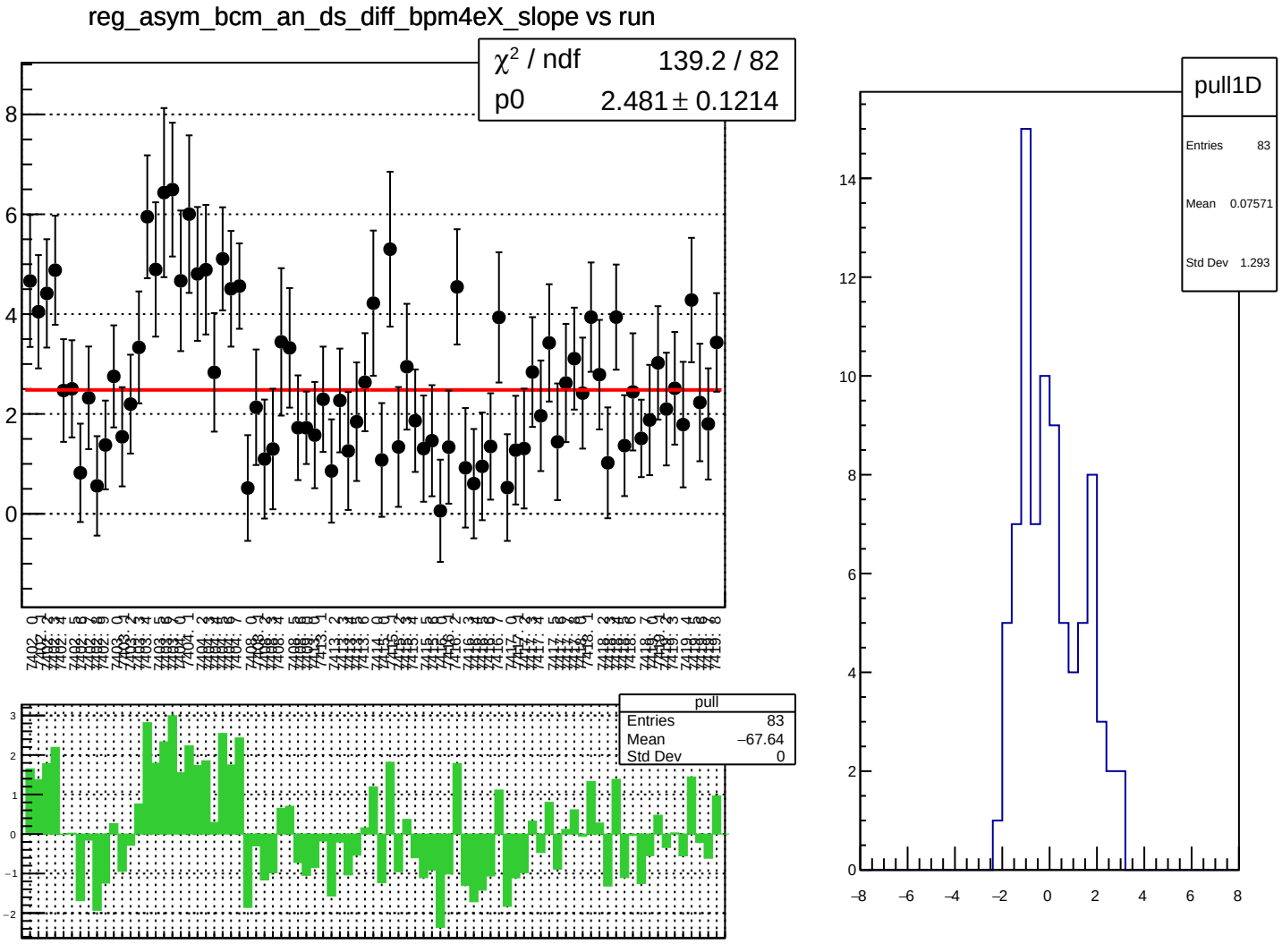

pull1D
Entries 83
Mean 0.01661
Std Dev 1.078

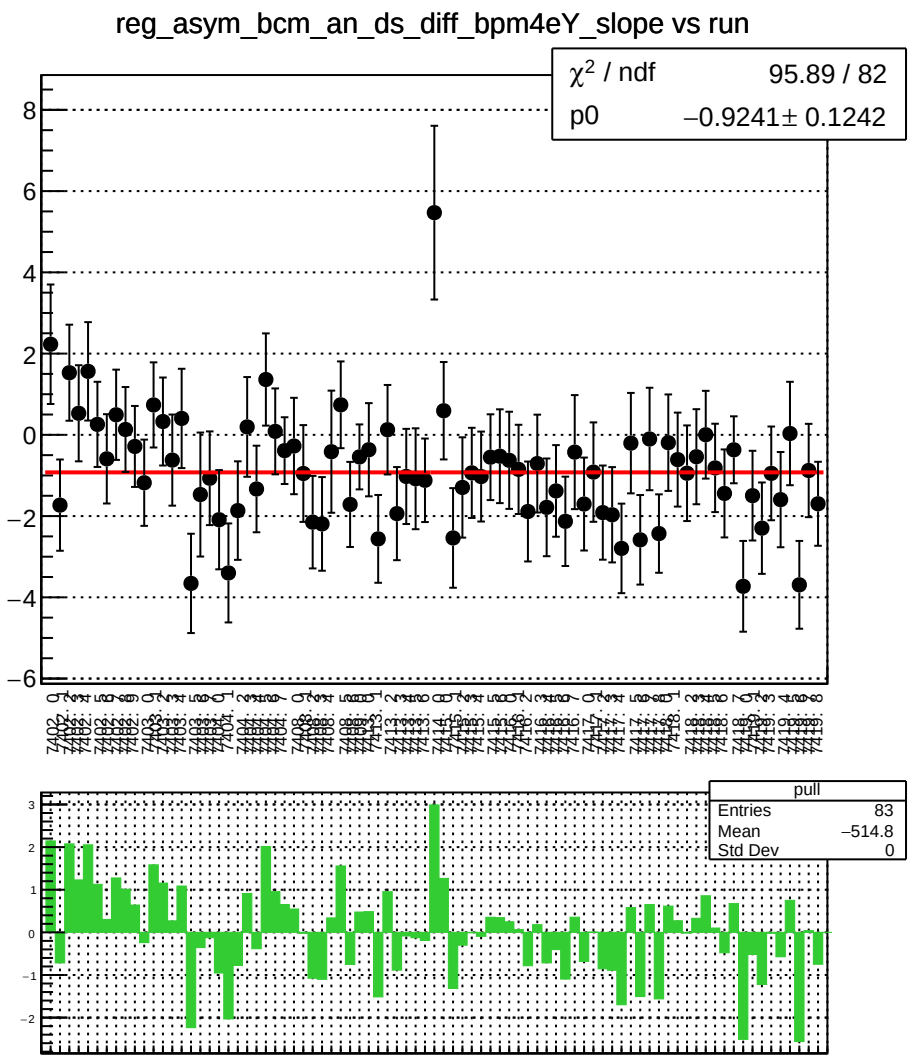

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 51.52 / 82
p0 0.07031 ± 0.00542
pull
Entries 83
Mean 7.697
Std Dev 69.57

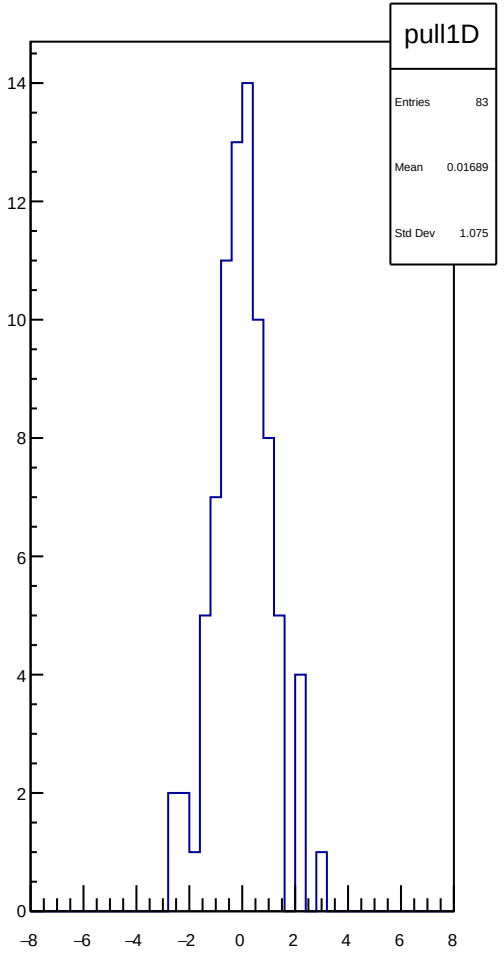

pull1D
Entries 83
Mean −0.00471
Std Dev 0.7879

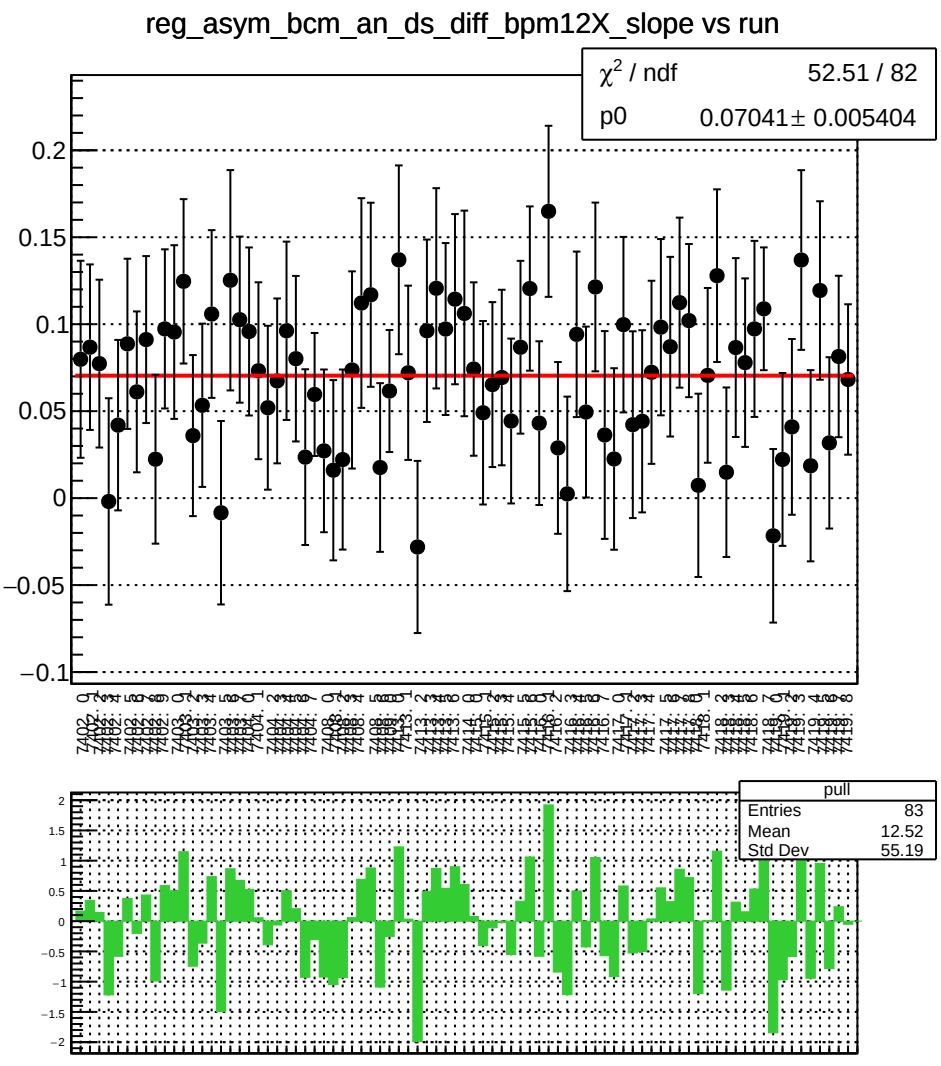

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 139.5 / 82
p0 −2.266 ± 0.1177
pull
Entries 83
Mean −76.7
Std Dev 0
pull1D
Entries 83
Mean −0.07529
Std Dev 1.294

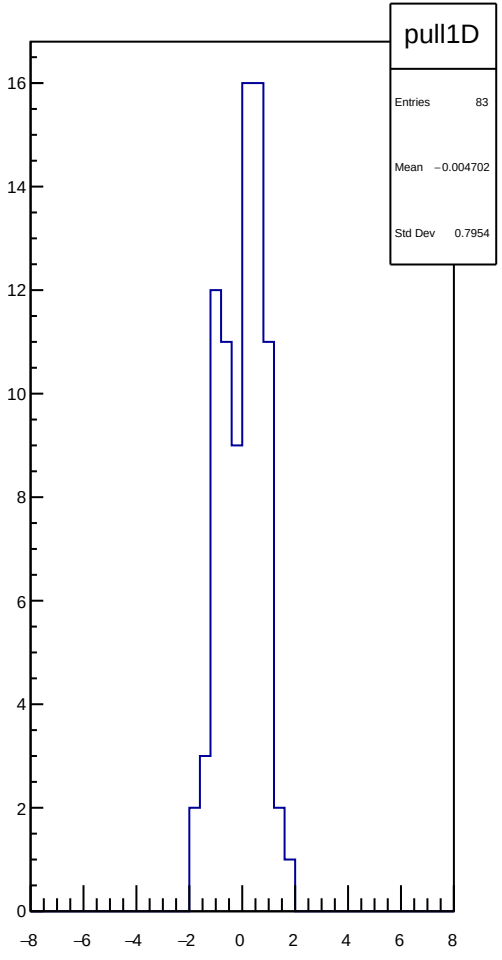

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 89.69 / 82
p0 −0.09103 ± 0.118
pull
Entries 83
Mean −215.3
Std Dev 0
pull1D
Entries 83
Mean −0.03094
Std Dev 1.039

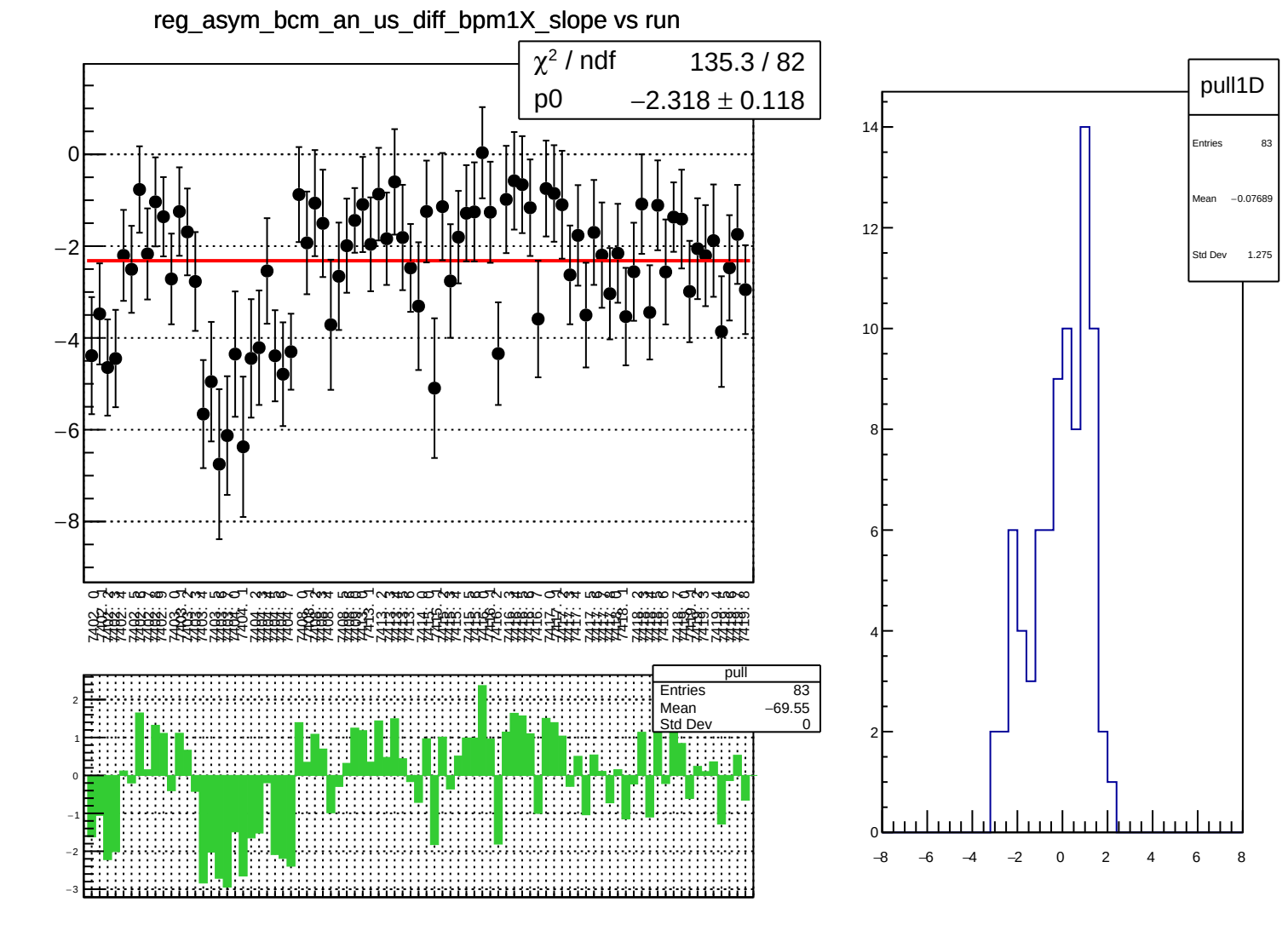

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 139.2 / 82
p0 2.481 ± 0.1214
pull
Entries 83
Mean −67.64
Std Dev 0
pull1D
Entries 83
Mean 0.07571
Std Dev 1.293

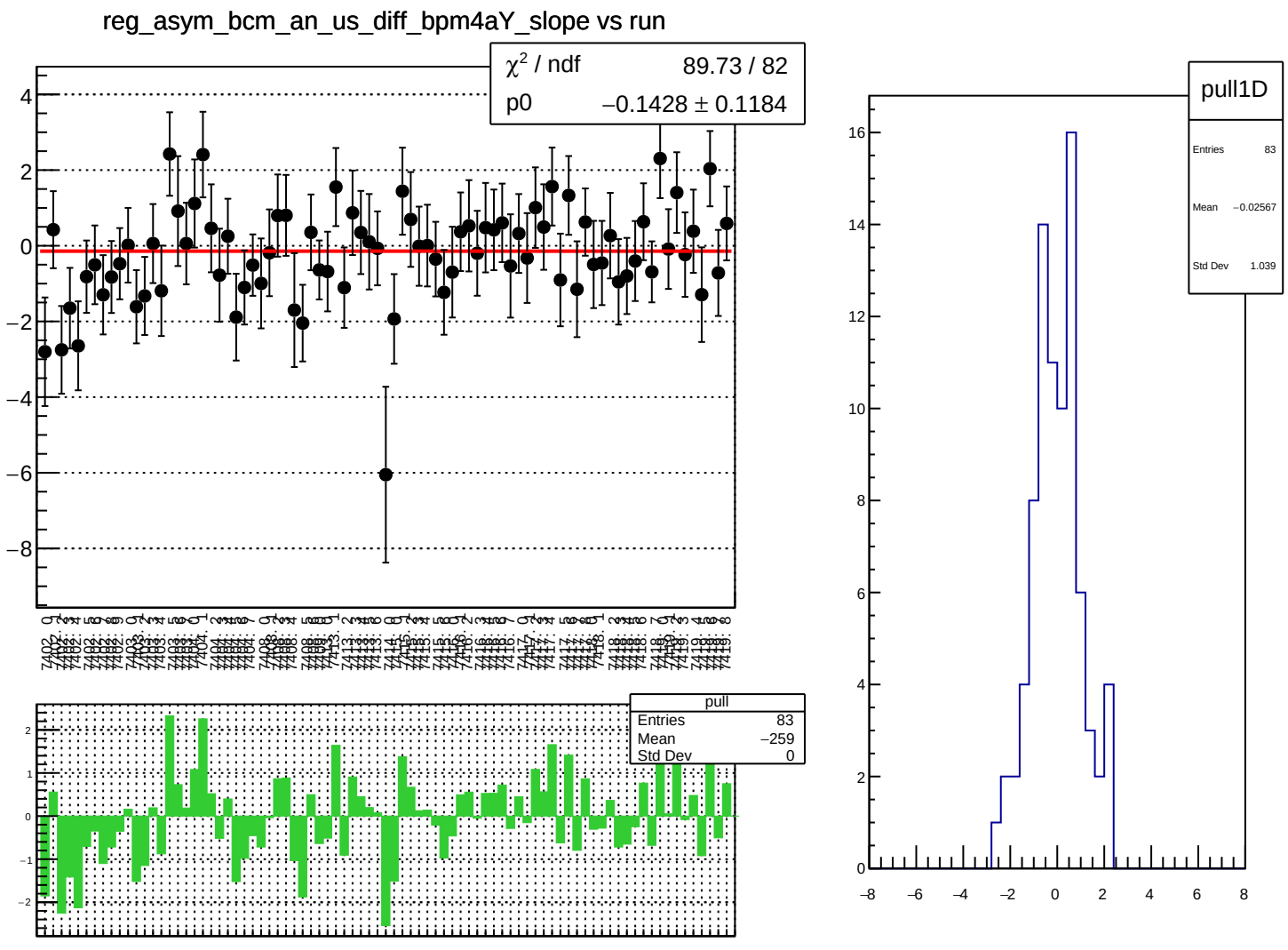

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 95.89 / 82
p0 −0.9241± 0.1242
pull
Entries 83
Mean −514.8
Std Dev 0

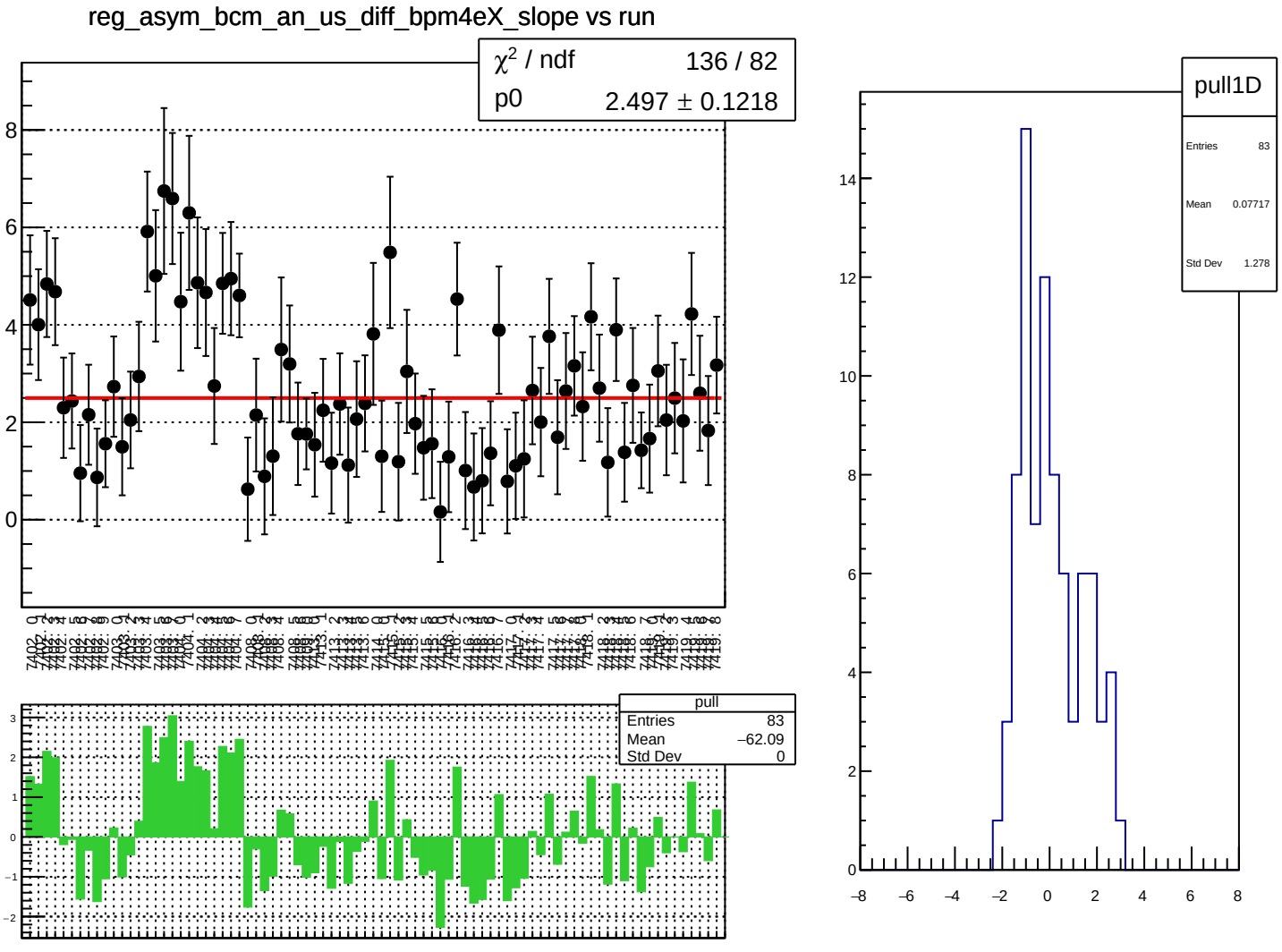

pull1D
Entries 83
Mean 0.01689
Std Dev 1.075

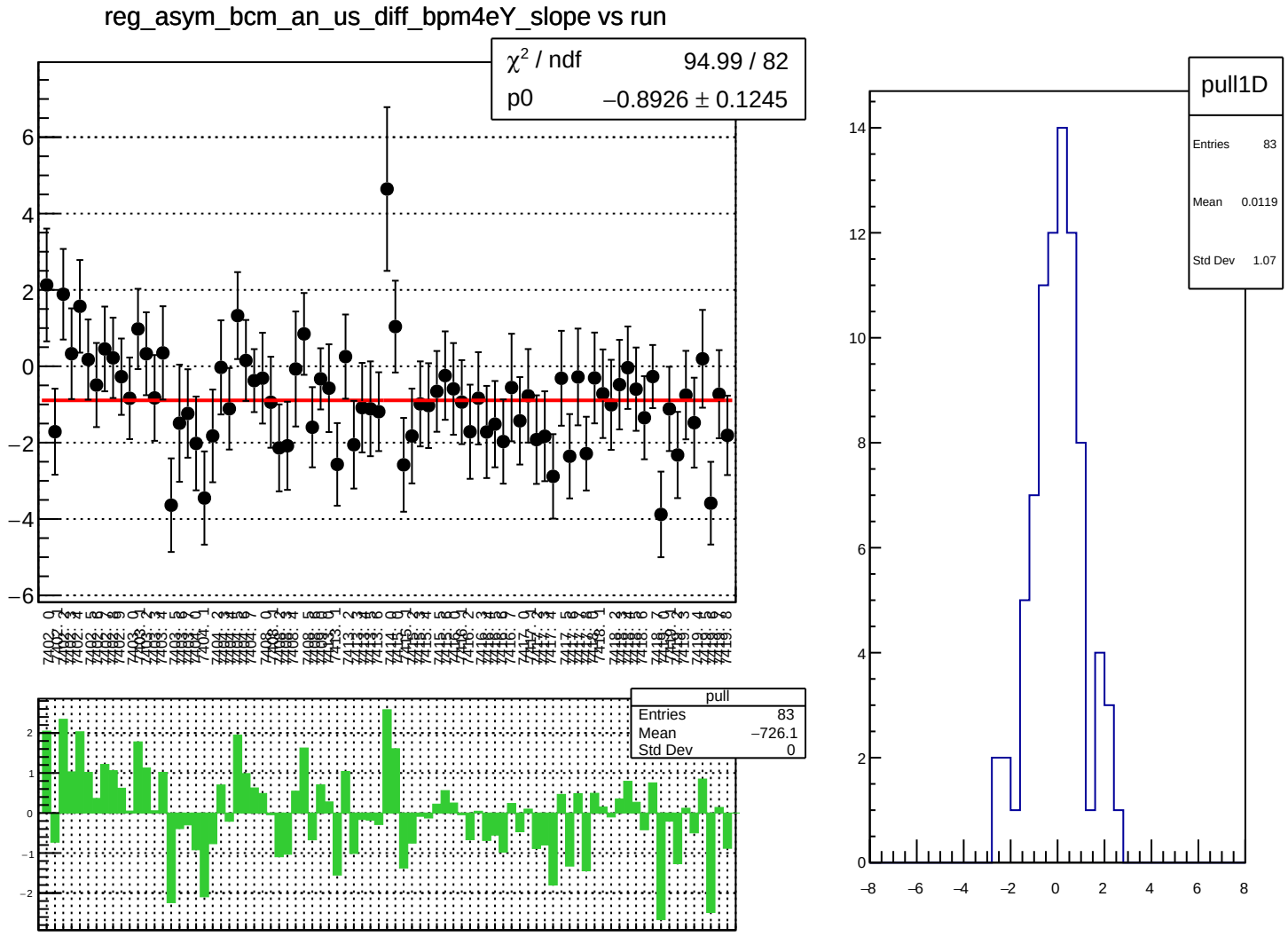

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 52.51 / 82
p0 0.07041± 0.005404
pull
Entries 83
Mean 12.52
Std Dev 55.19

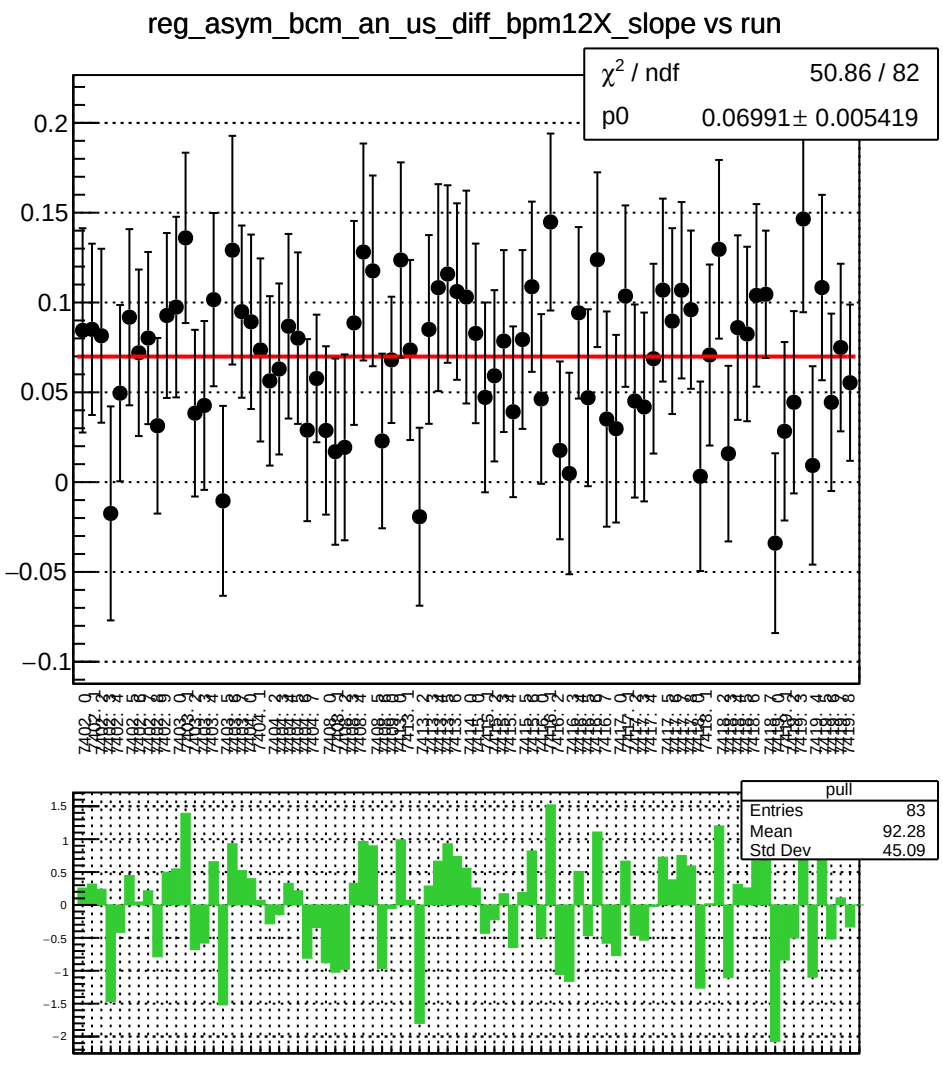

pull1D
Entries 83
Mean −0.004702
Std Dev 0.7954

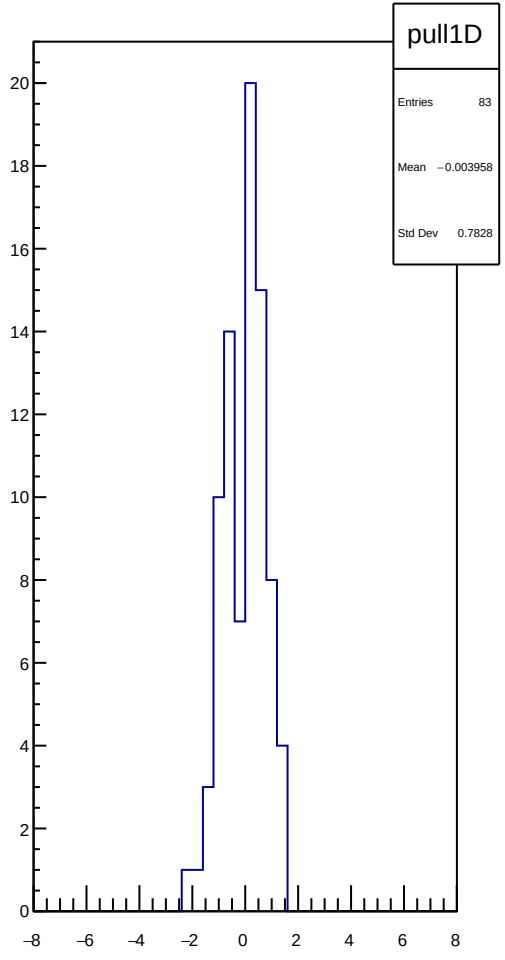

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 135.3 / 82
p0 −2.318 ± 0.118
pull
Entries 83
Mean −69.55
Std Dev 0
pull1D
Entries 83
Mean −0.07689
Std Dev 1.275

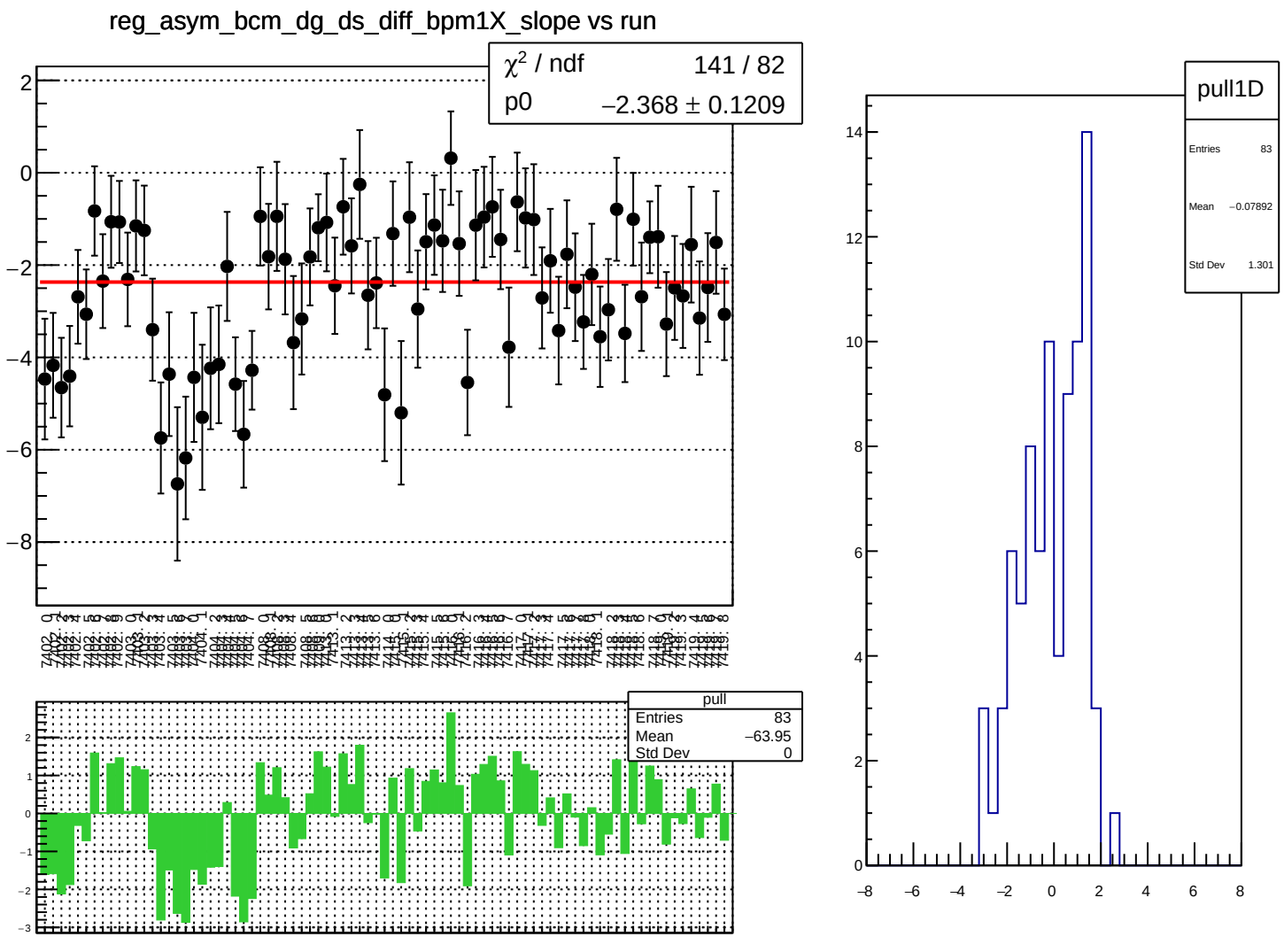

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 89.73 / 82
p0 −0.1428 ± 0.1184
pull
Entries 83
Mean −259
Std Dev 0
pull1D
Entries 83
Mean −0.02567
Std Dev 1.039

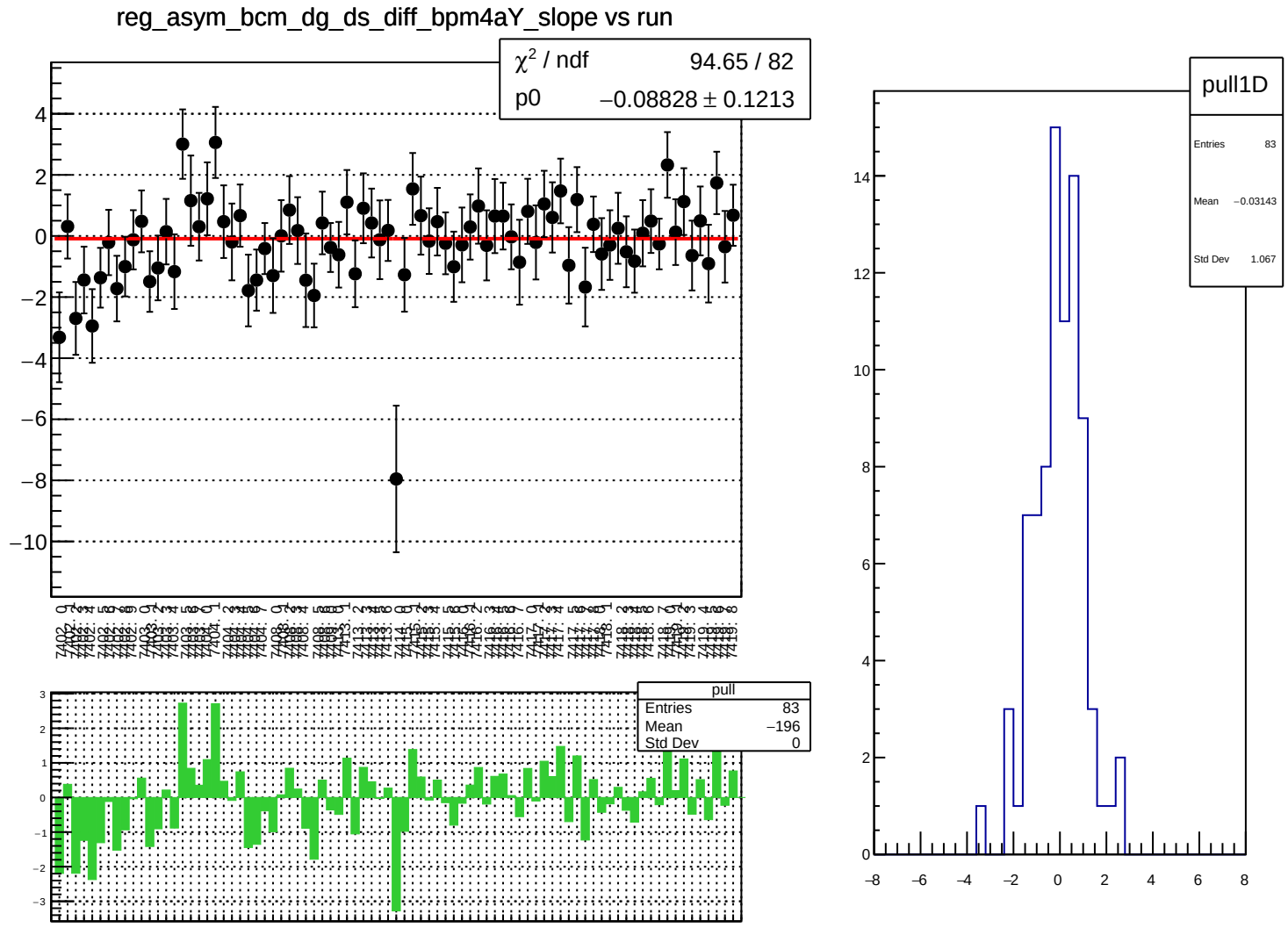

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 136 / 82
p0 2.497 ± 0.1218
pull
Entries 83
Mean −62.09
Std Dev 0
pull1D
Entries 83
Mean 0.07717
Std Dev 1.278

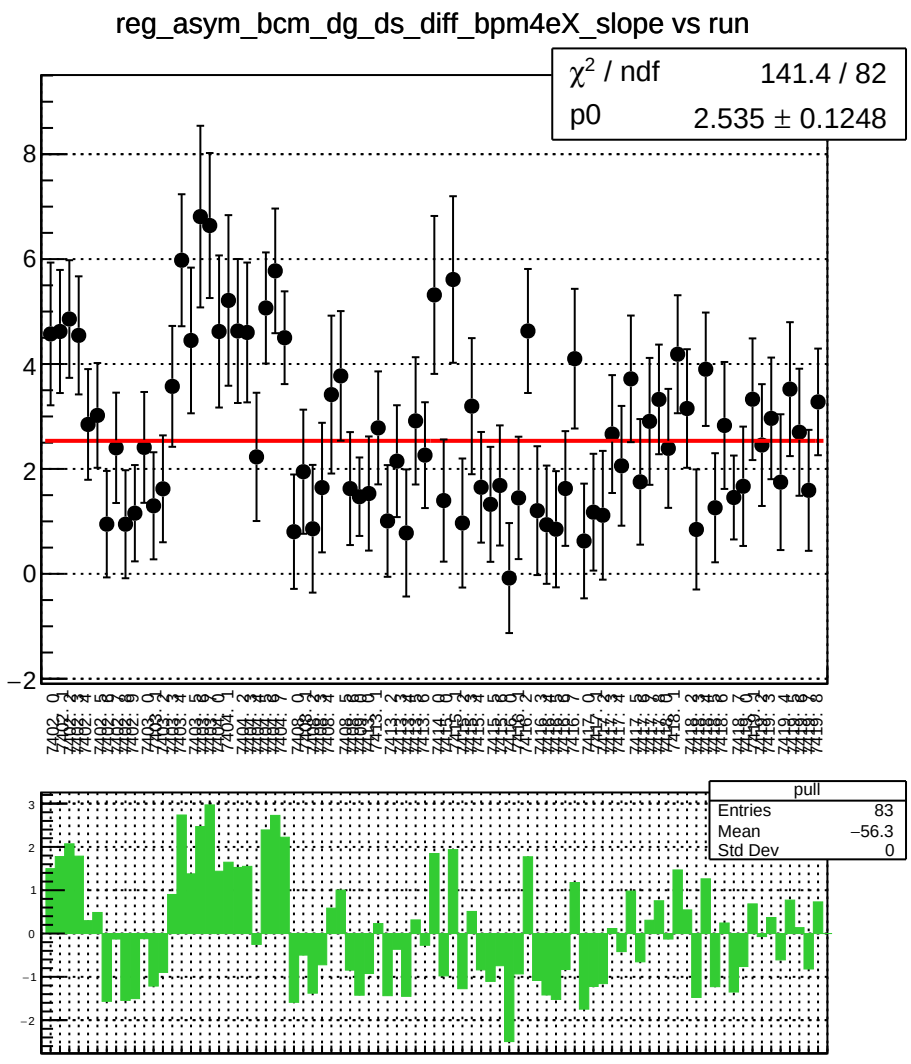

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 94.99 / 82
p0 −0.8926 ± 0.1245
pull
Entries 83
Mean −726.1
Std Dev 0
pull1D
Entries 83
Mean 0.0119
Std Dev 1.07

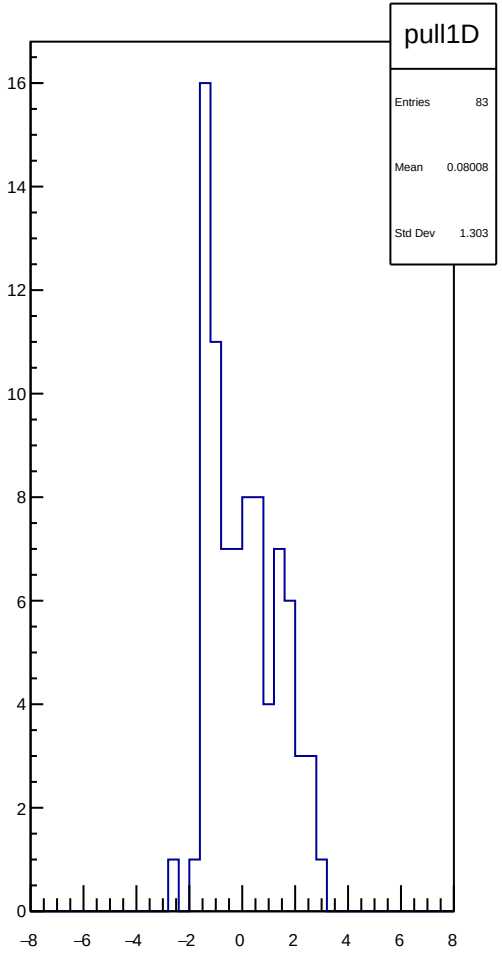

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 50.86 / 82
p0 0.06991 ± 0.005419
pull
Entries 83
Mean 92.28
Std Dev 45.09

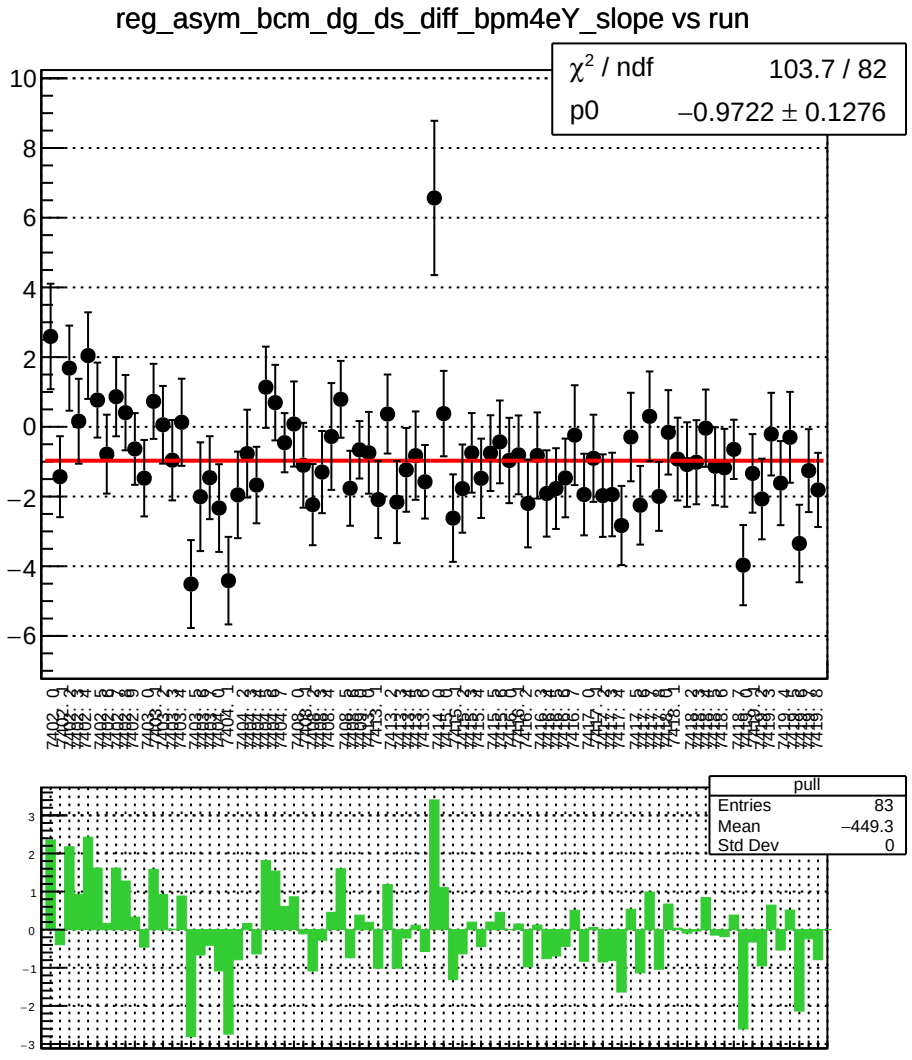

pull1D
Entries 83
Mean −0.003958
Std Dev 0.7828

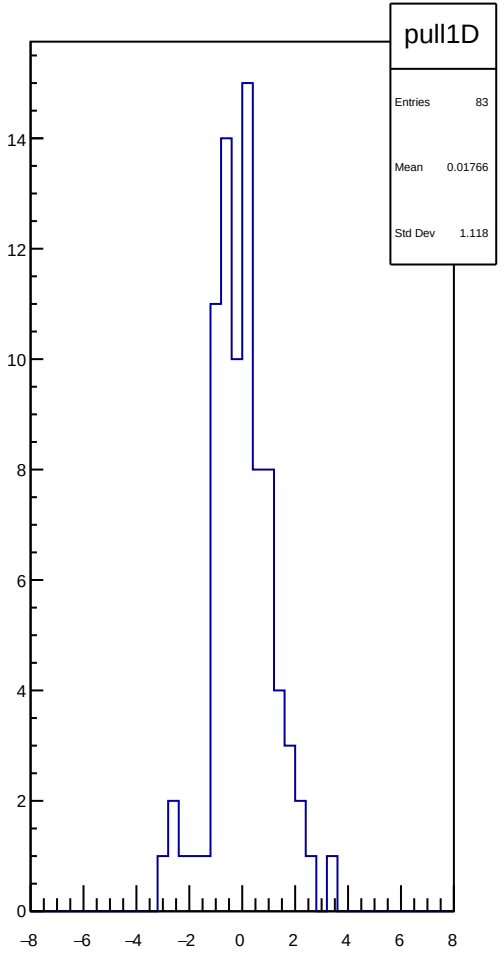

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 141 / 82
p0 −2.368 ± 0.1209
pull
Entries 83
Mean −63.95
Std Dev 0
pull1D
Entries 83
Mean −0.07892
Std Dev 1.301

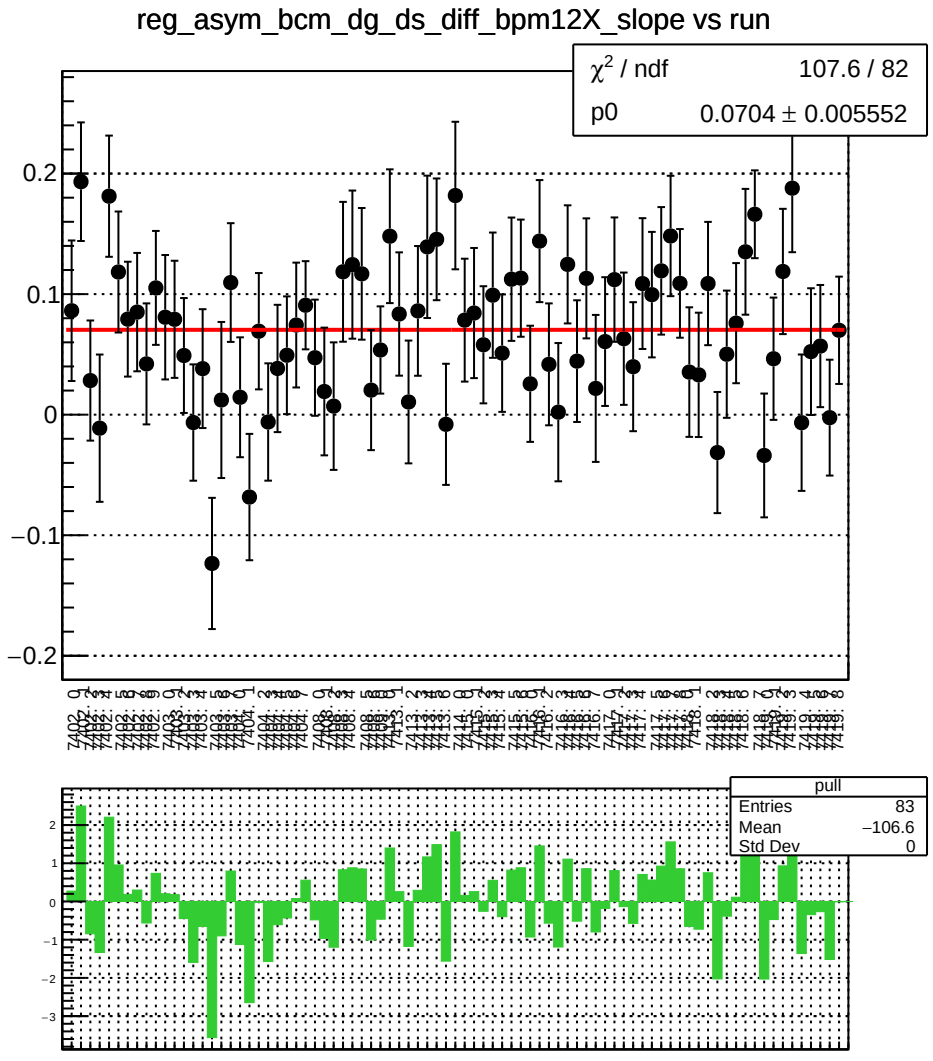

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 94.65 / 82
p0 −0.08828 ± 0.1213
pull
Entries 83
Mean −196
Std Dev 0
pull1D
Entries 83
Mean −0.03143
Std Dev 1.067

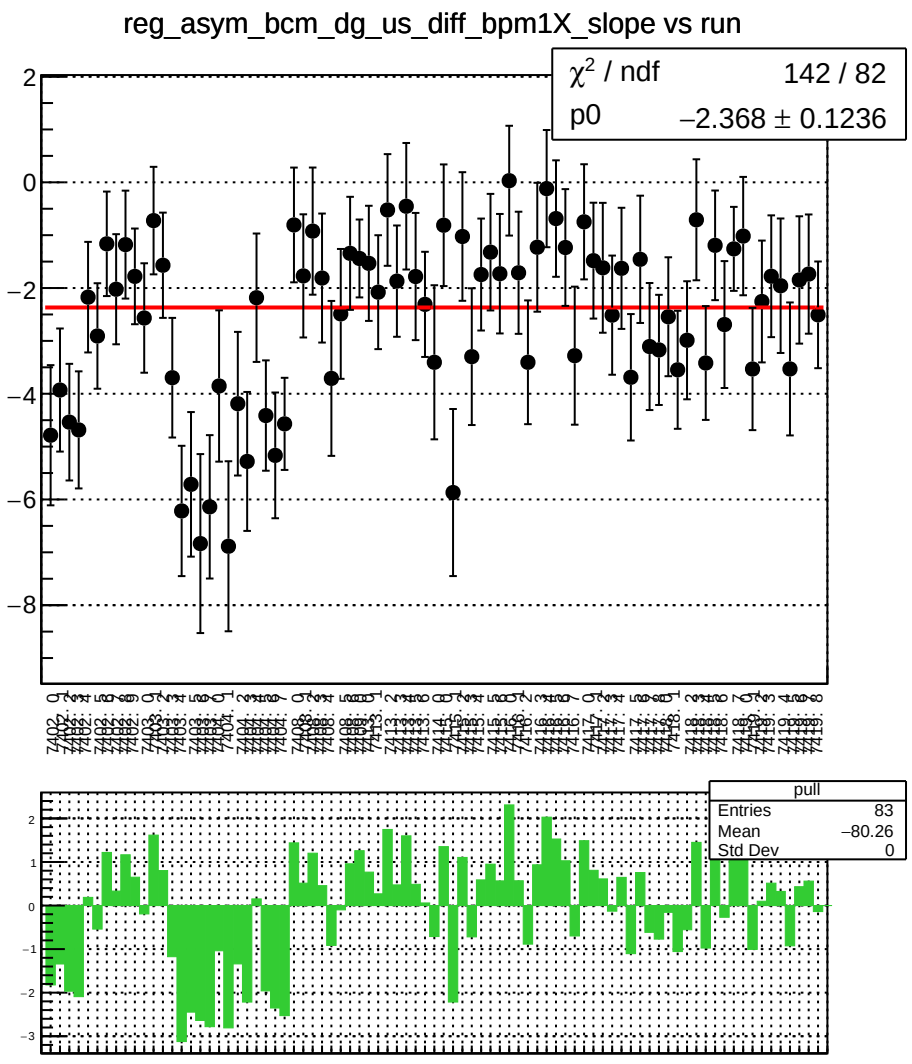

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 141.4 / 82
p0 2.535 ± 0.1248
pull
Entries 83
Mean −56.3
Std Dev 0

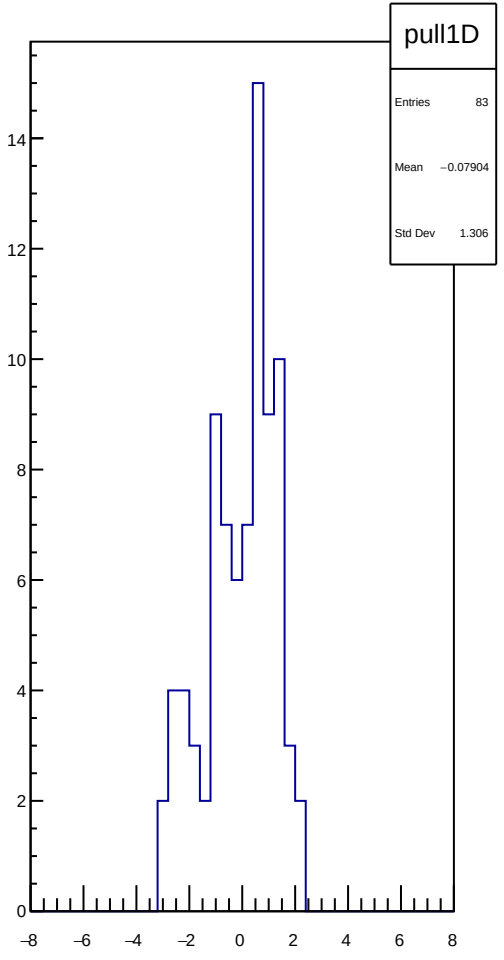

pull1D
Entries 83
Mean 0.08008
Std Dev 1.303

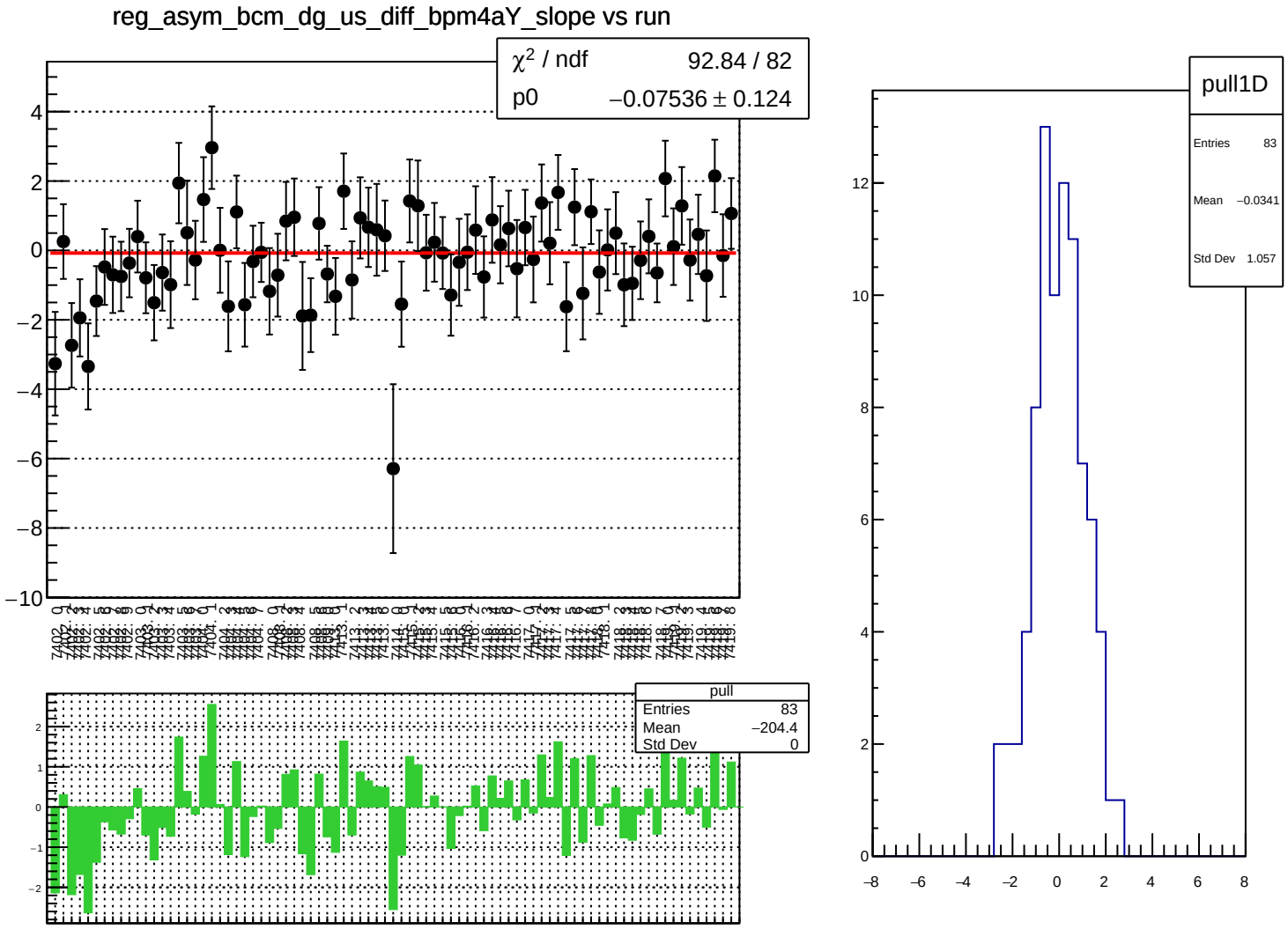

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 103.7 / 82
p0 −0.9722 ± 0.1276
pull
Entries 83
Mean −449.3
Std Dev 0

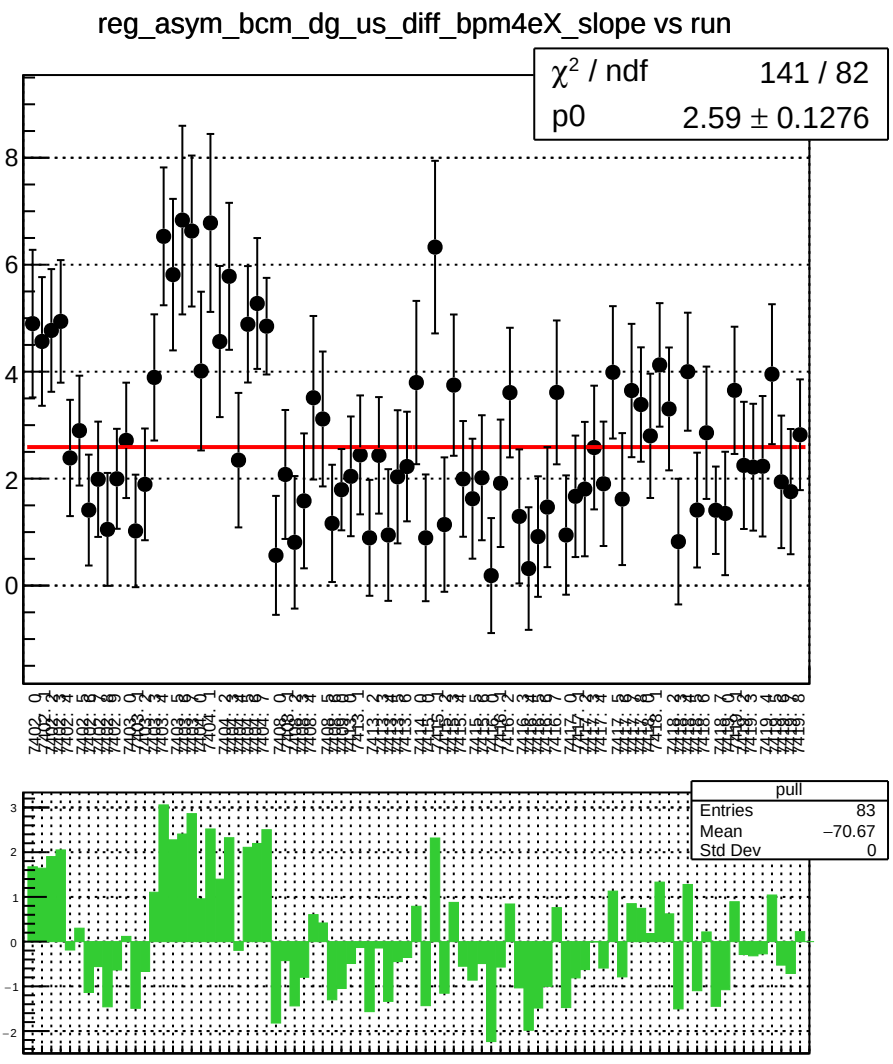

pull1D
Entries 83
Mean 0.01766
Std Dev 1.118

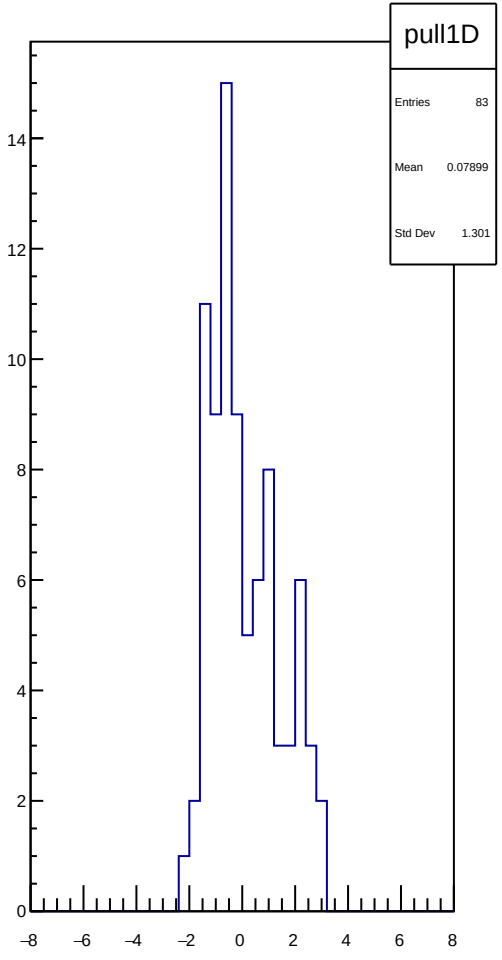

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 107.6 / 82
p0 0.0704 ± 0.005552
pull
Entries 83
Mean −106.6
Std Dev 0
pull1D
Entries 83
Mean −0.01397
Std Dev 1.138

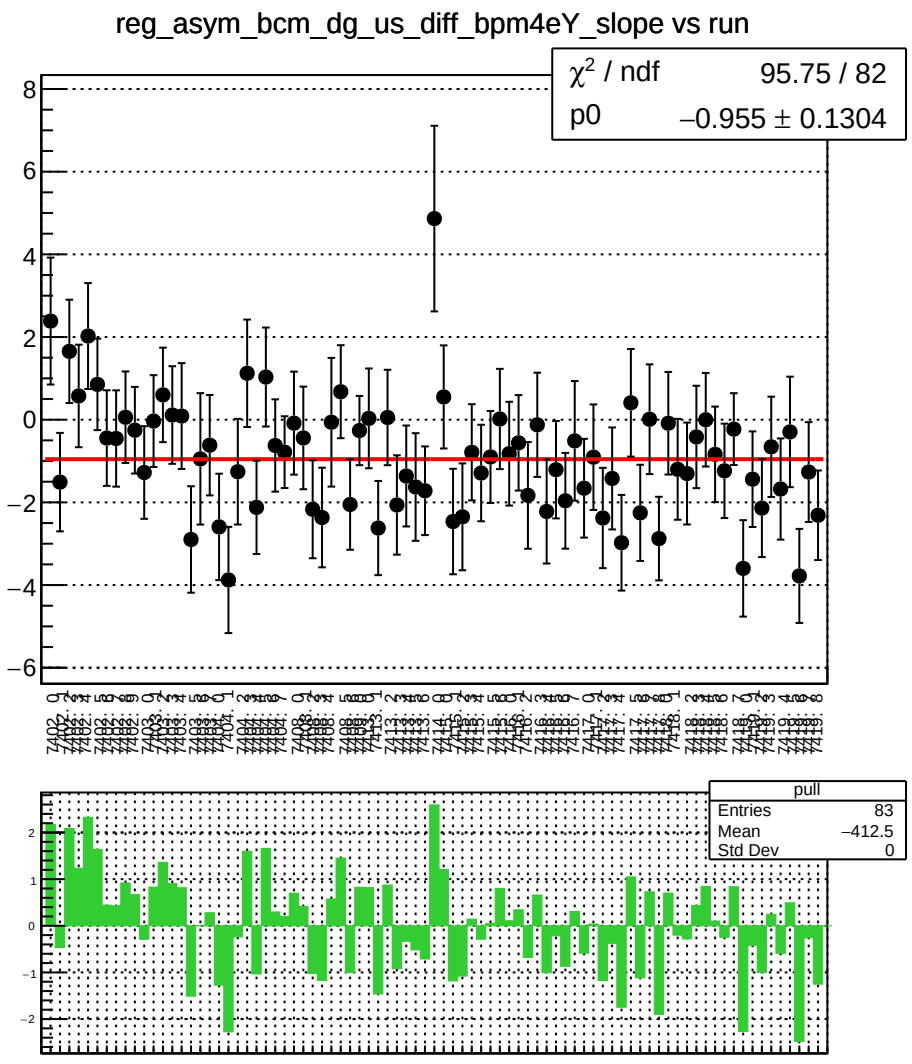

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 142 / 82
p0 −2.368 ± 0.1236
pull
Entries 83
Mean −80.26
Std Dev 0

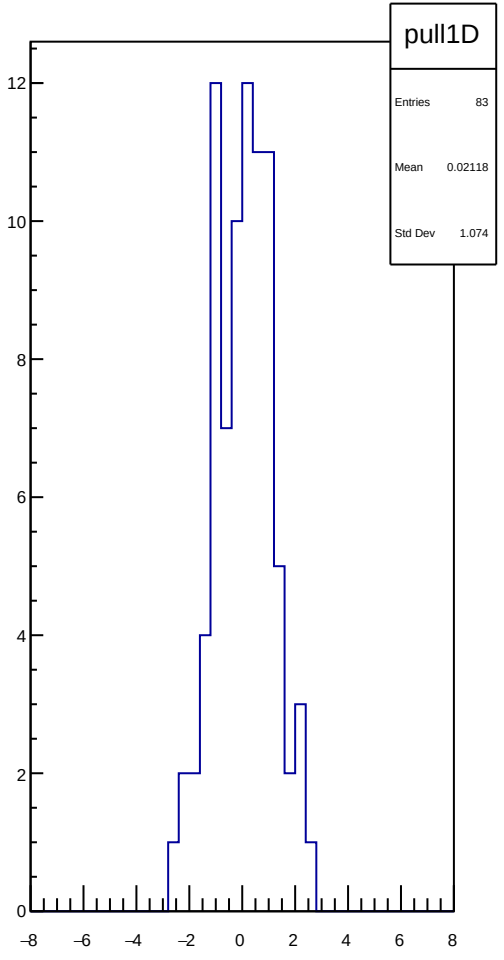

pull1D
Entries 83
Mean −0.07904
Std Dev 1.306

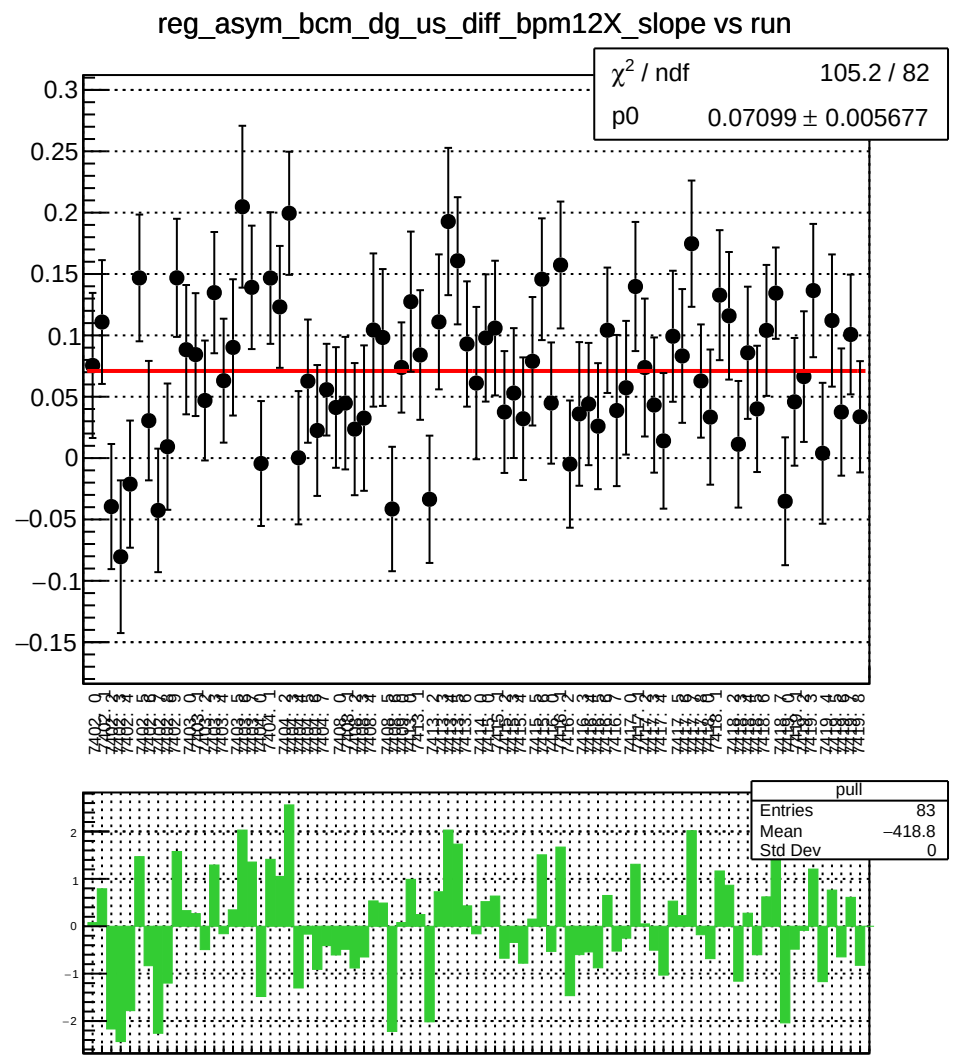

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 92.84 / 82
p0 −0.07536 ± 0.124
pull
Entries 83
Mean −204.4
Std Dev 0
pull1D
Entries 83
Mean −0.0341
Std Dev 1.057

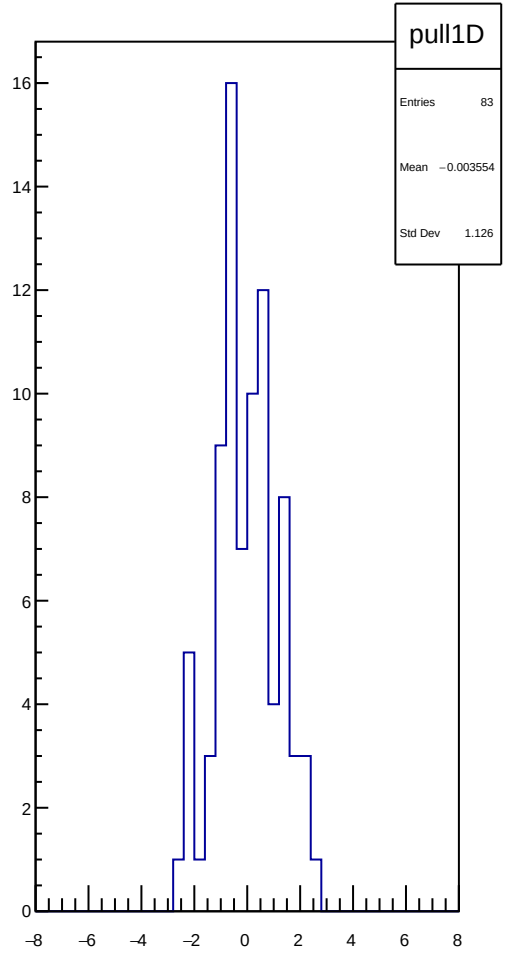

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 141 / 82
p0 2.59 ± 0.1276
pull
Entries 83
Mean −70.67
Std Dev 0


pull1D
Entries 83
Mean 0.07899
Std Dev 1.301

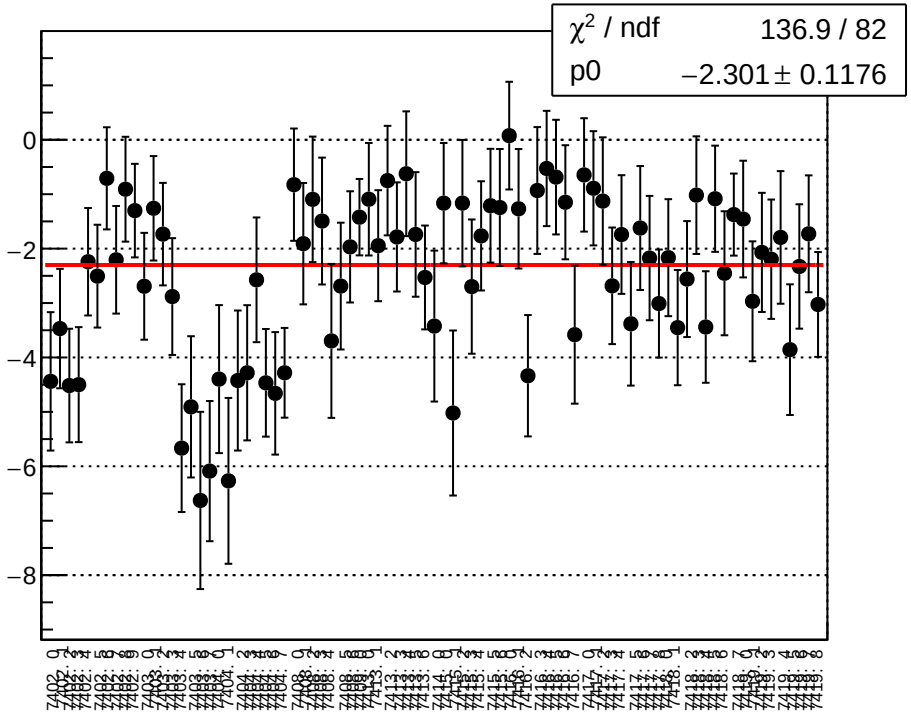

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 95.75 / 82
p0 −0.955 ± 0.1304
pull
Entries 83
Mean −412.5
Std Dev 0

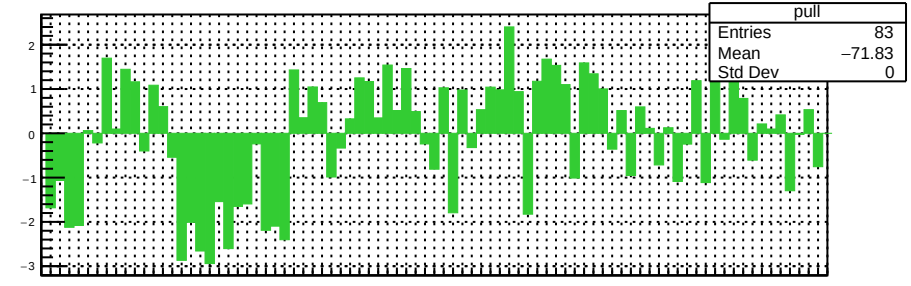

pull1D
Entries 83
Mean 0.02118
Std Dev 1.074

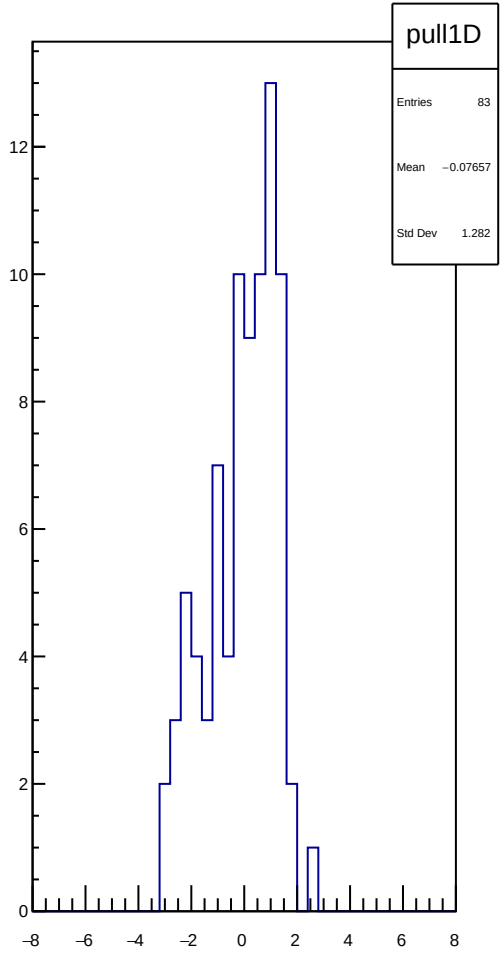

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 82
p0 0.07099 ± 0.005677
pull
Entries 83
Mean −418.8
Std Dev 0

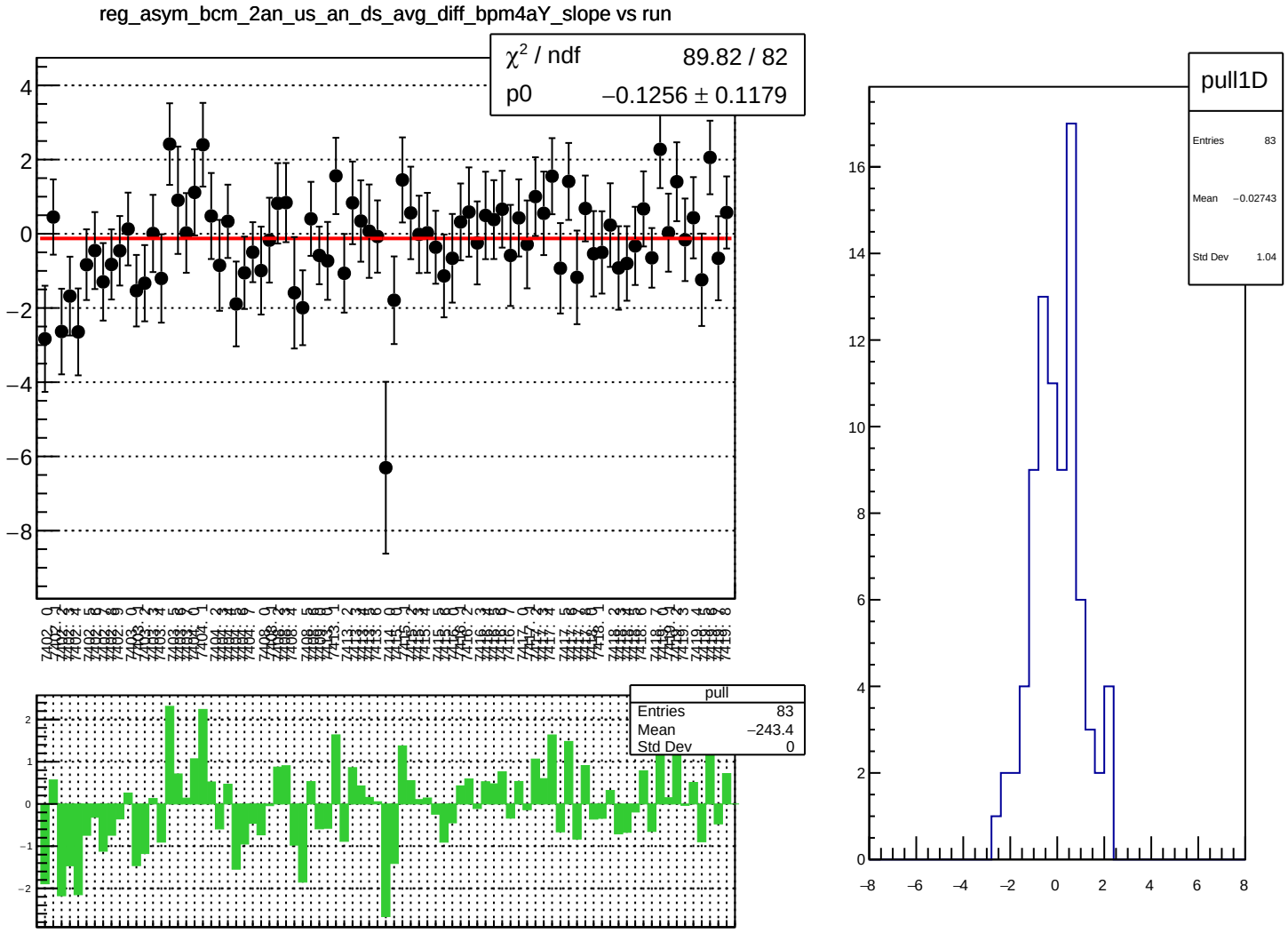

pull1D
Entries 83
Mean −0.003554
Std Dev 1.126

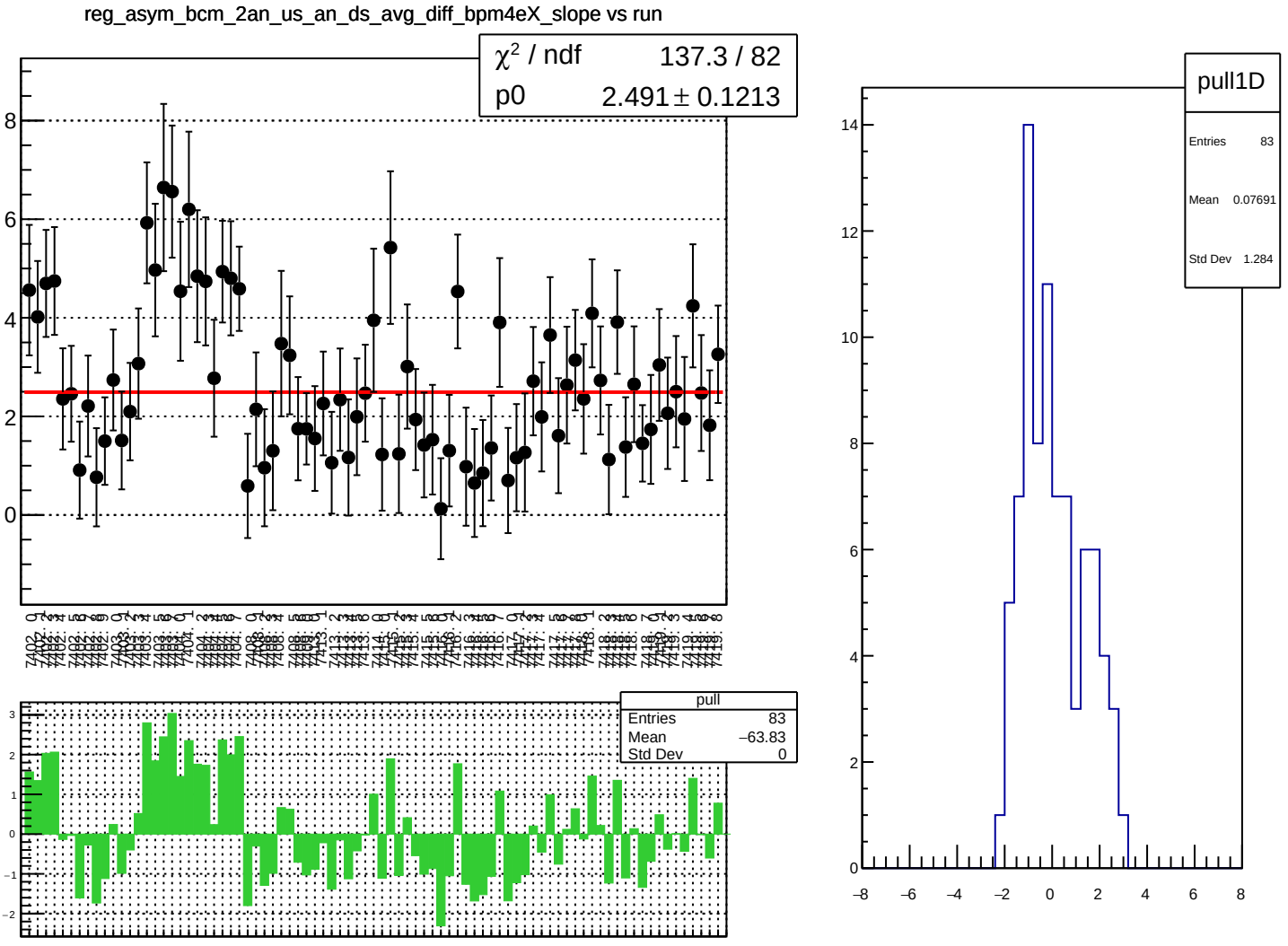
reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run

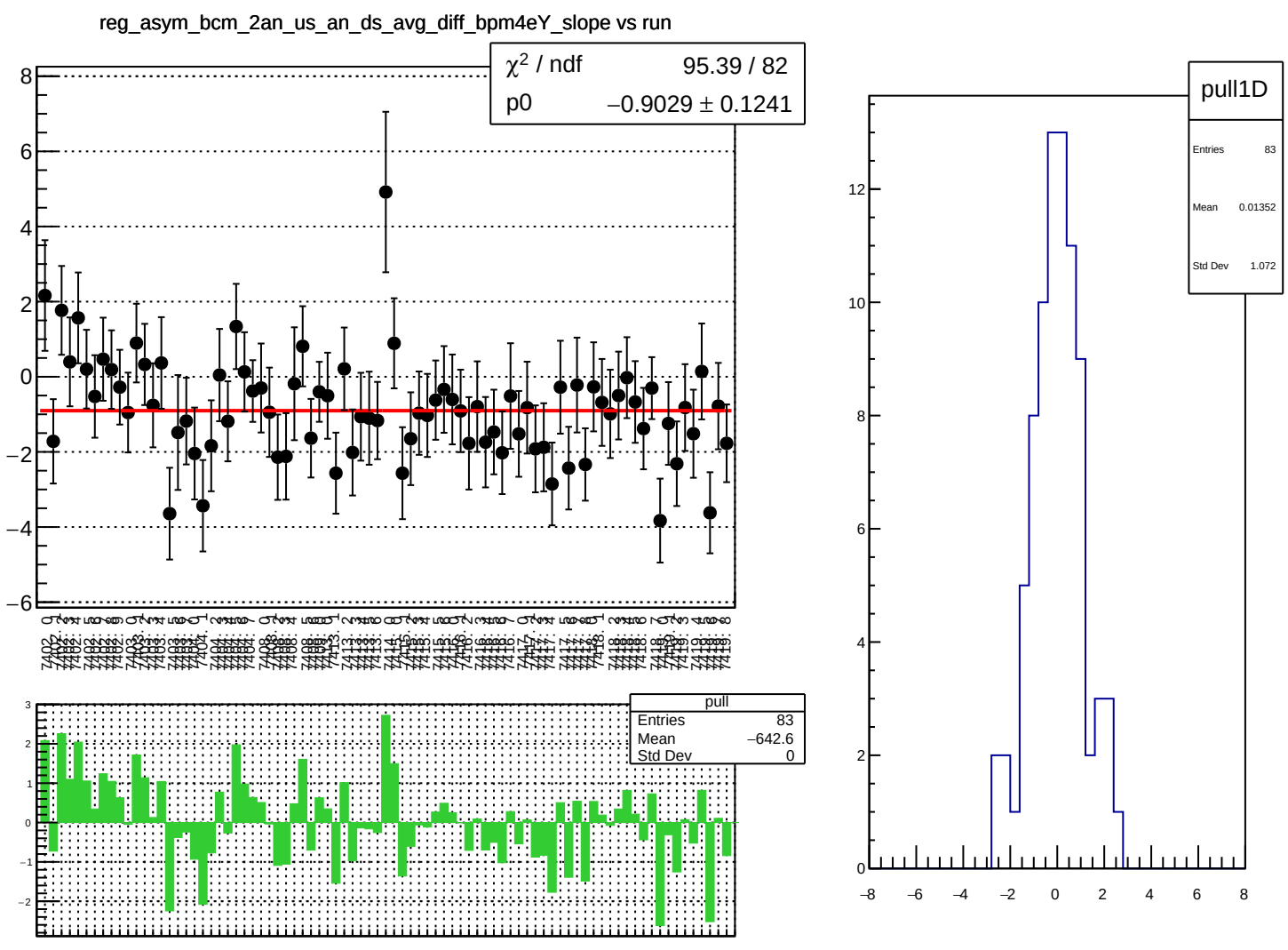


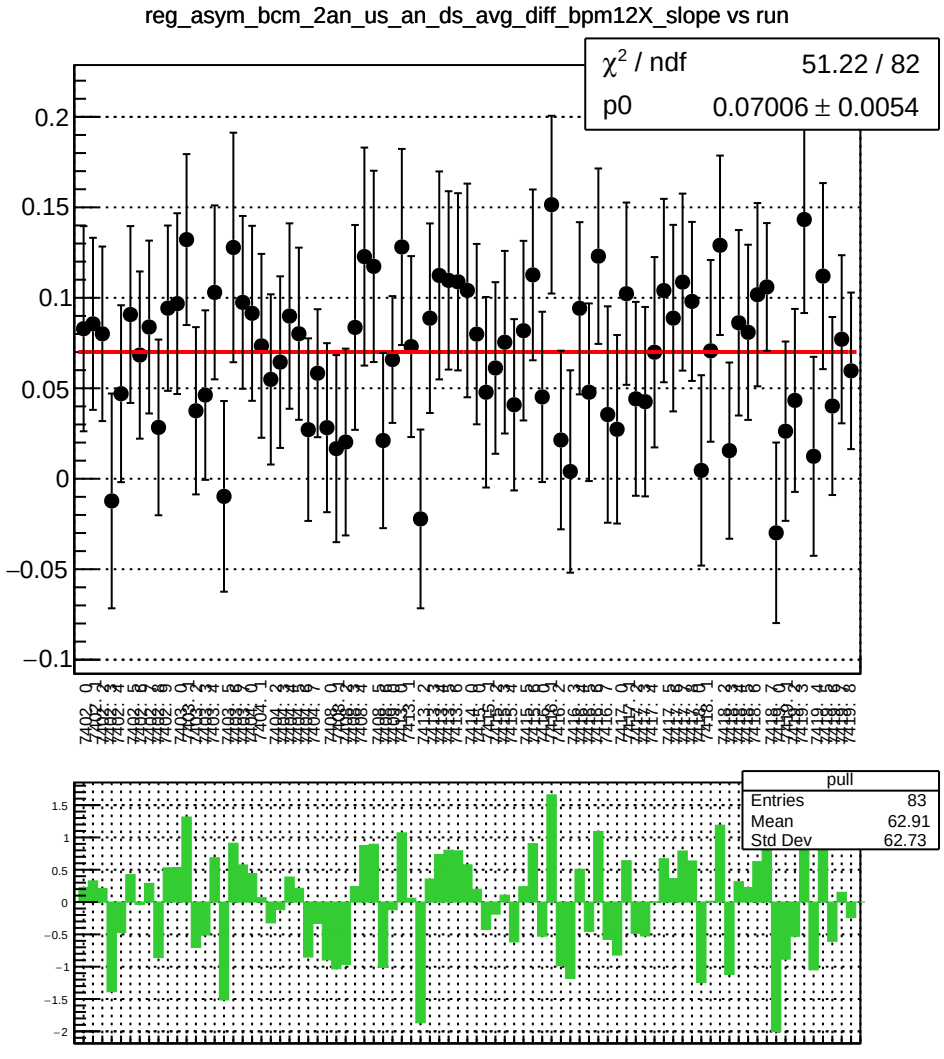


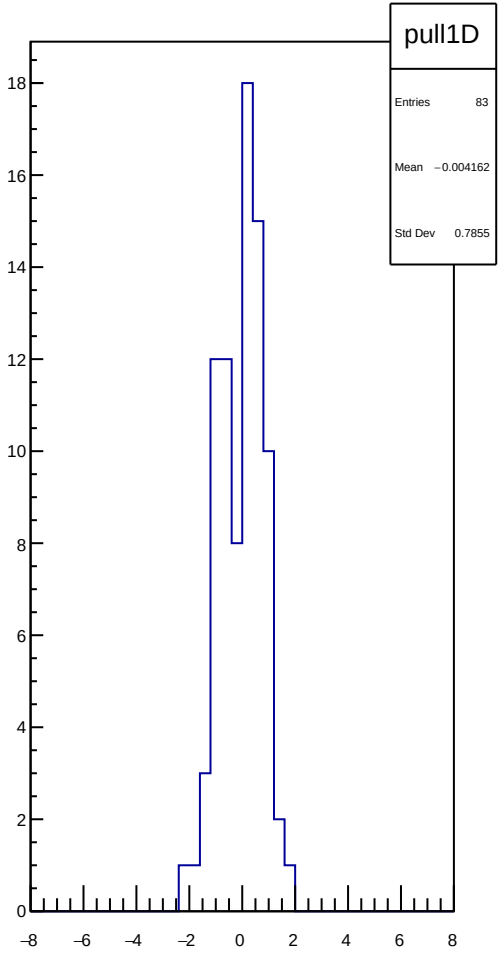


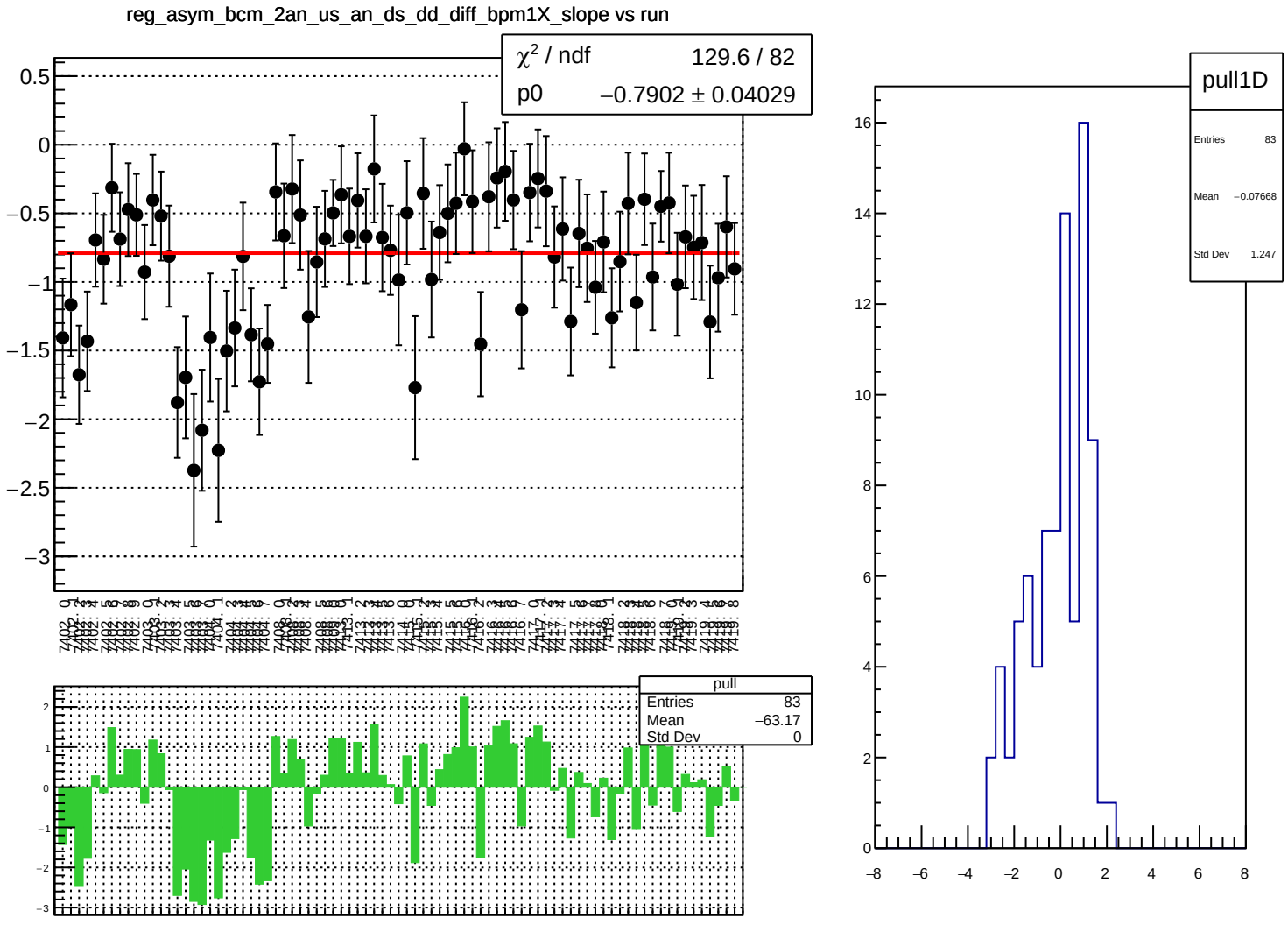

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.82 / 82
p0 −0.1256 ± 0.1179
pull
Entries 83
Mean −243.4
Std Dev 0
pull1D
Entries 83
Mean −0.02743
Std Dev 1.04

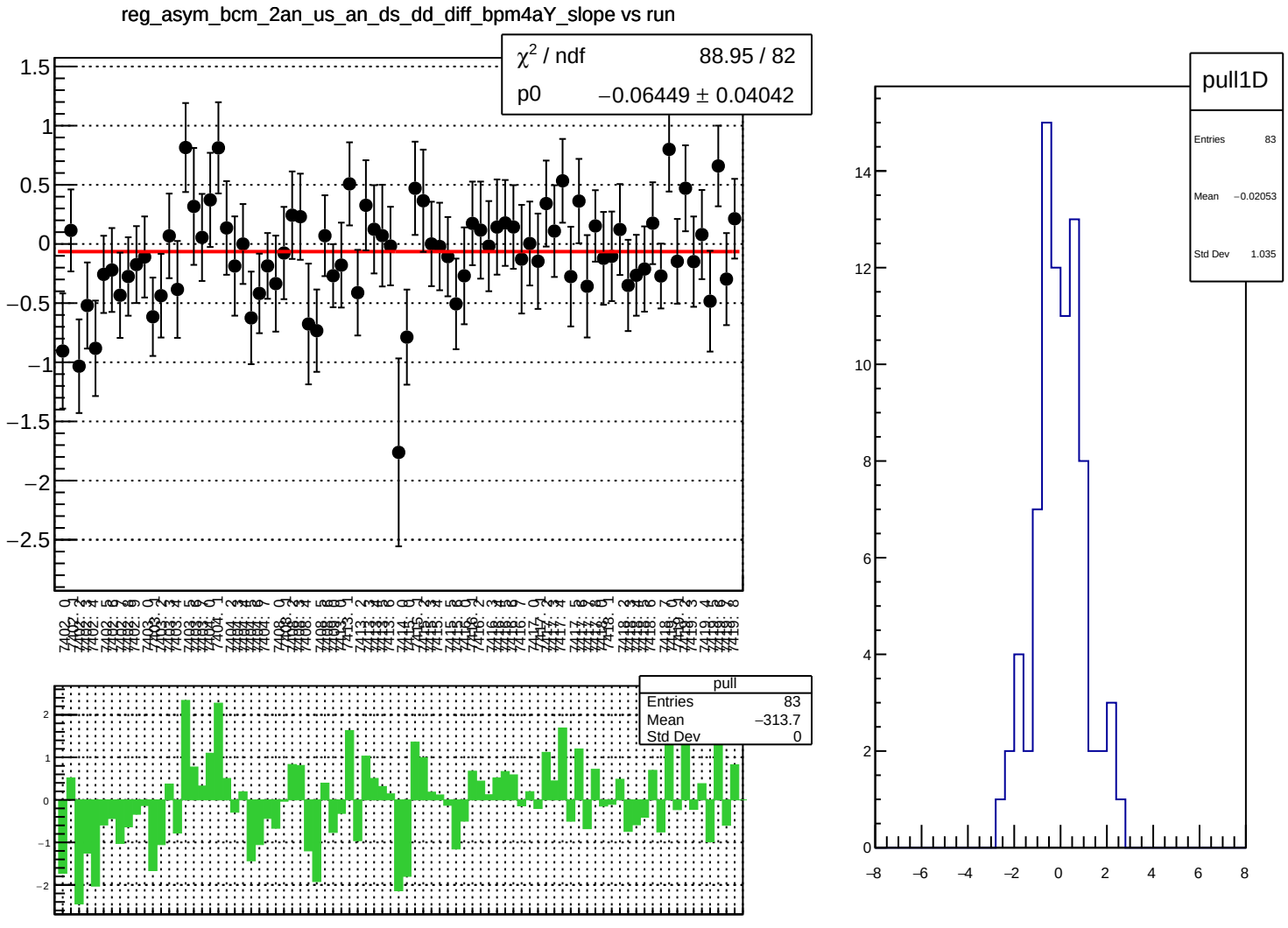

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 137.3 / 82
p0 2.491 ± 0.1213
pull
Entries 83
Mean −63.83
Std Dev 0
pull1D
Entries 83
Mean 0.07691
Std Dev 1.284

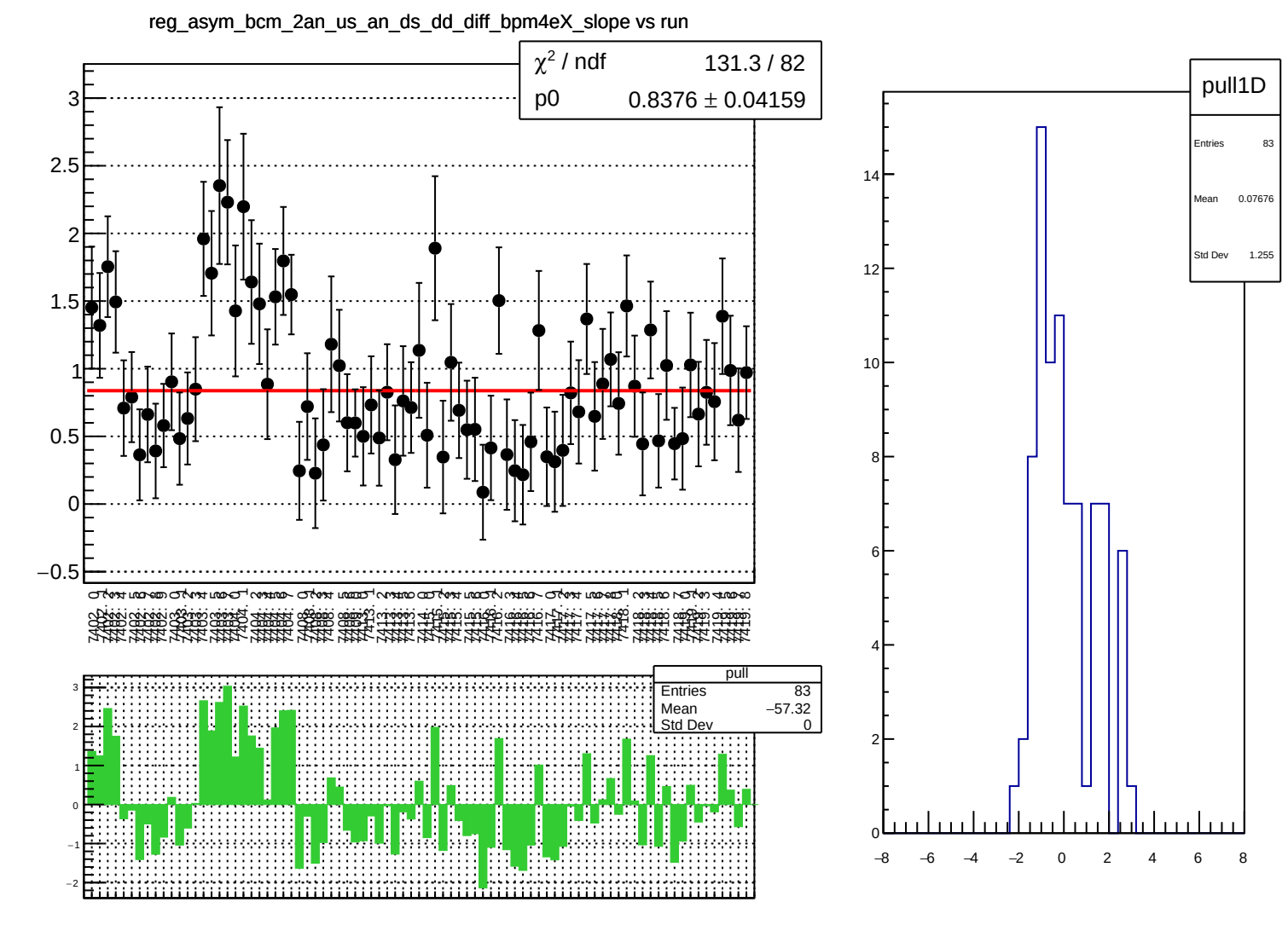

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 95.39 / 82
p0 −0.9029 ± 0.1241
pull
Entries 83
Mean −642.6
Std Dev 0
pull1D
Entries 83
Mean 0.01352
Std Dev 1.072

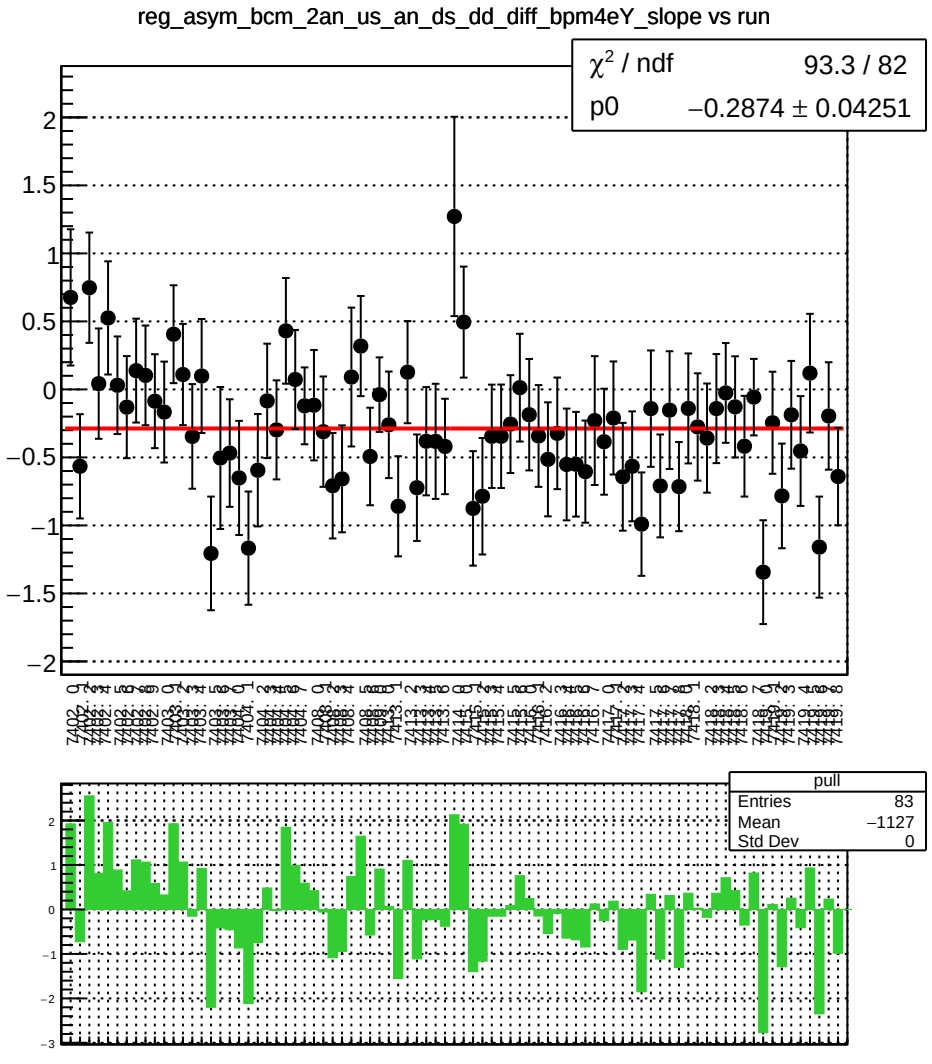

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 51.22 / 82
p0 0.07006 ± 0.0054
pull
Entries 83
Mean 62.91
Std Dev 62.73

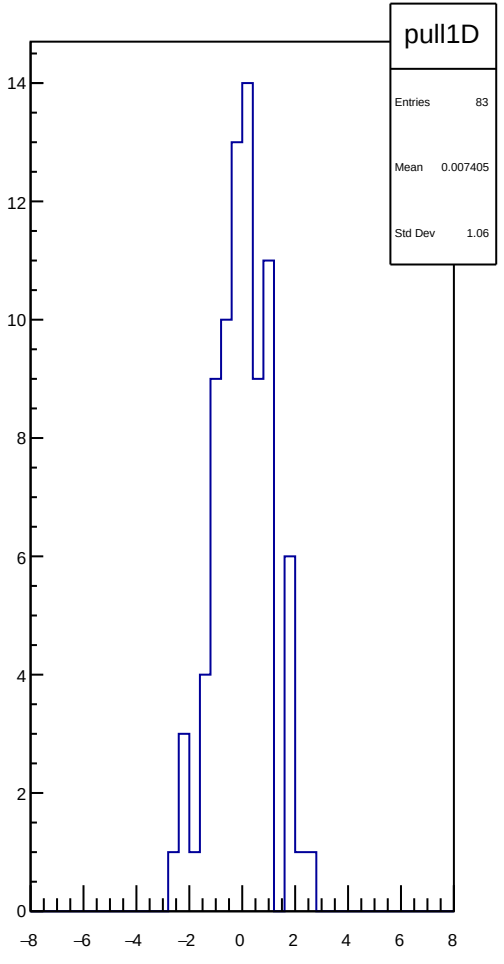

pull1D
Entries 83
Mean −0.004162
Std Dev 0.7855

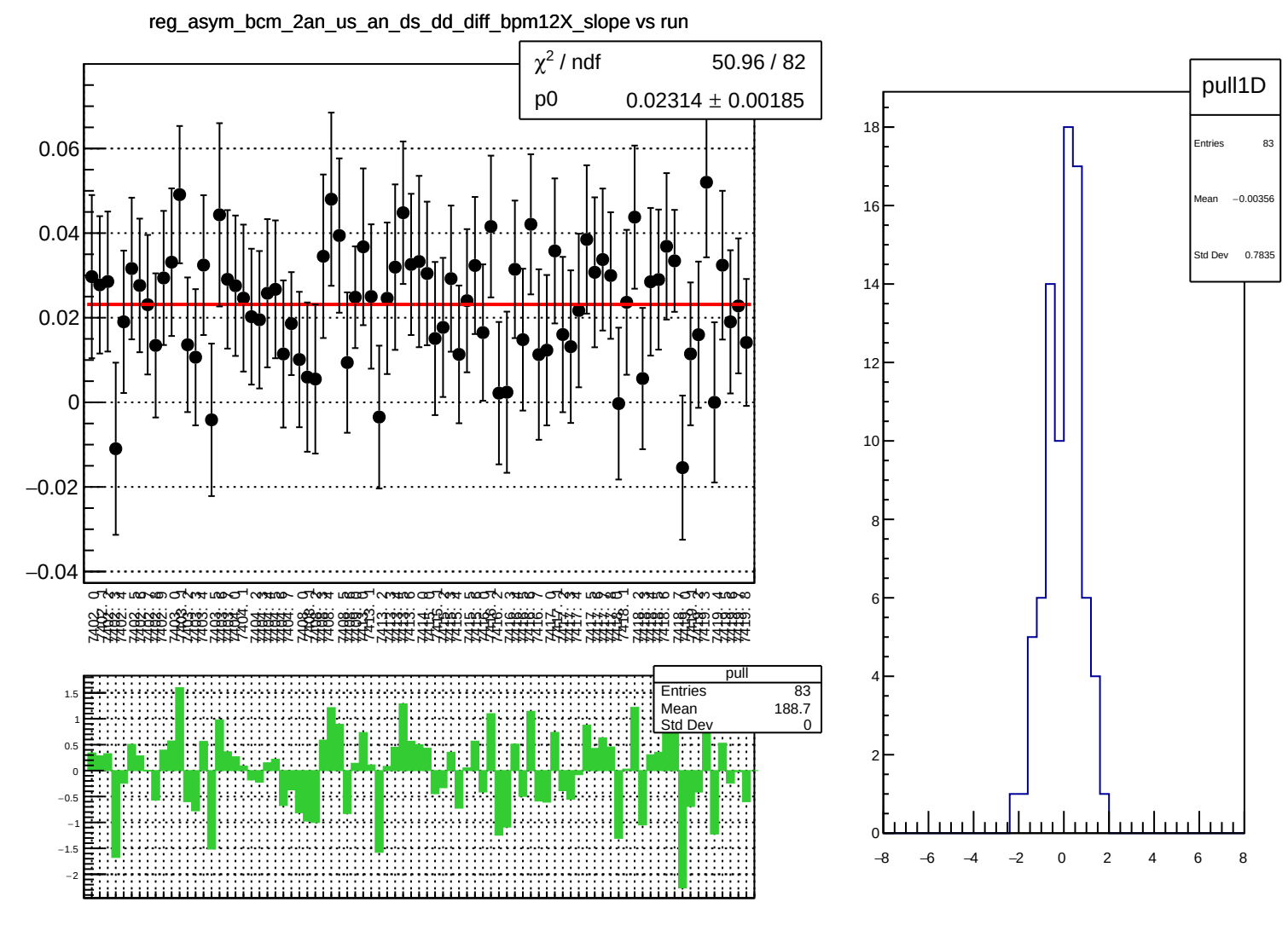

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 129.6 / 82
p0 −0.7902 ± 0.04029
pull
Entries 83
Mean −63.17
Std Dev 0
pull1D
Entries 83
Mean −0.07668
Std Dev 1.247

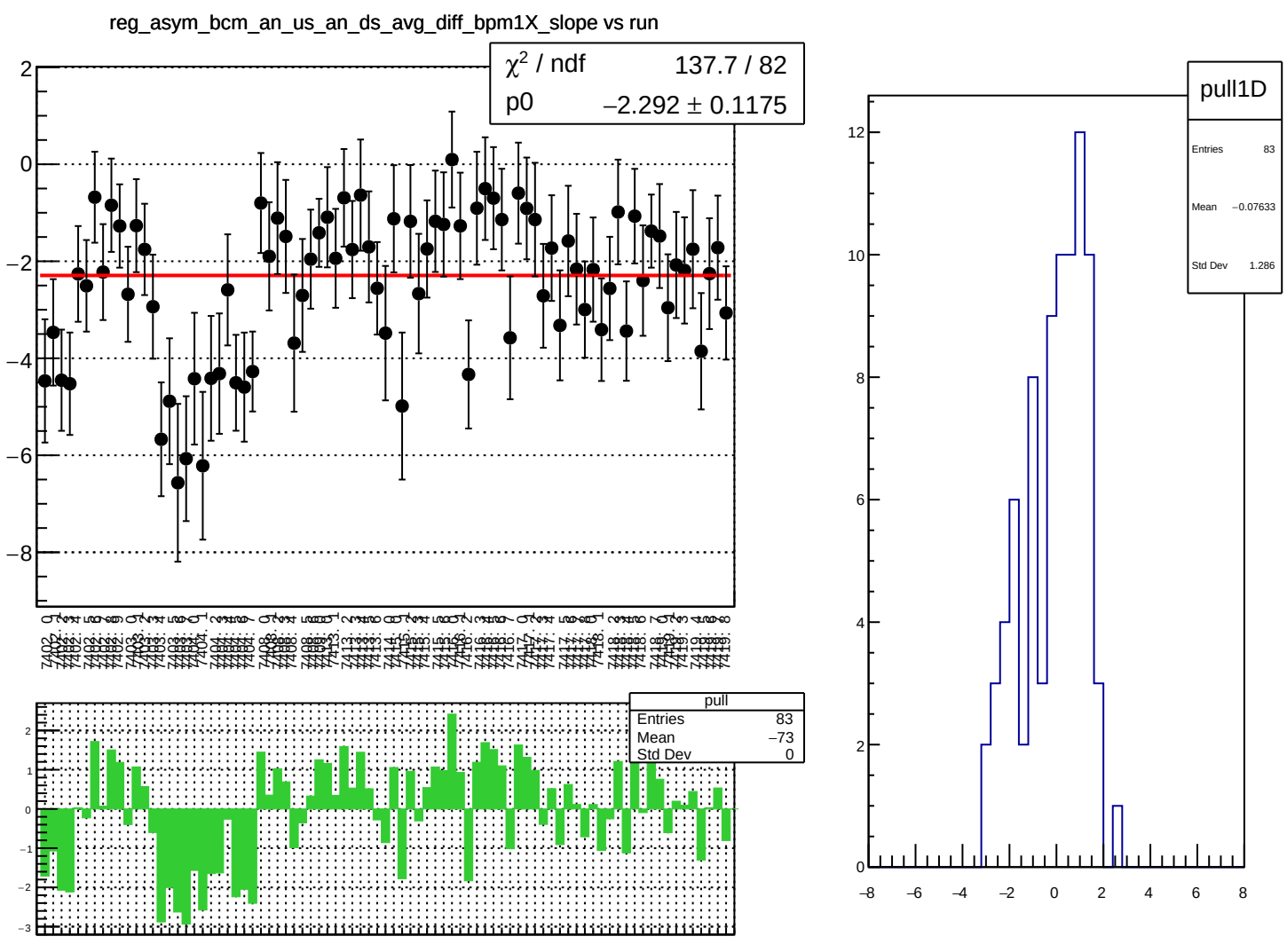

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 88.95 / 82
p0 −0.06449 ± 0.04042
pull
Entries 83
Mean −313.7
Std Dev 0
pull1D
Entries 83
Mean −0.02053
Std Dev 1.035

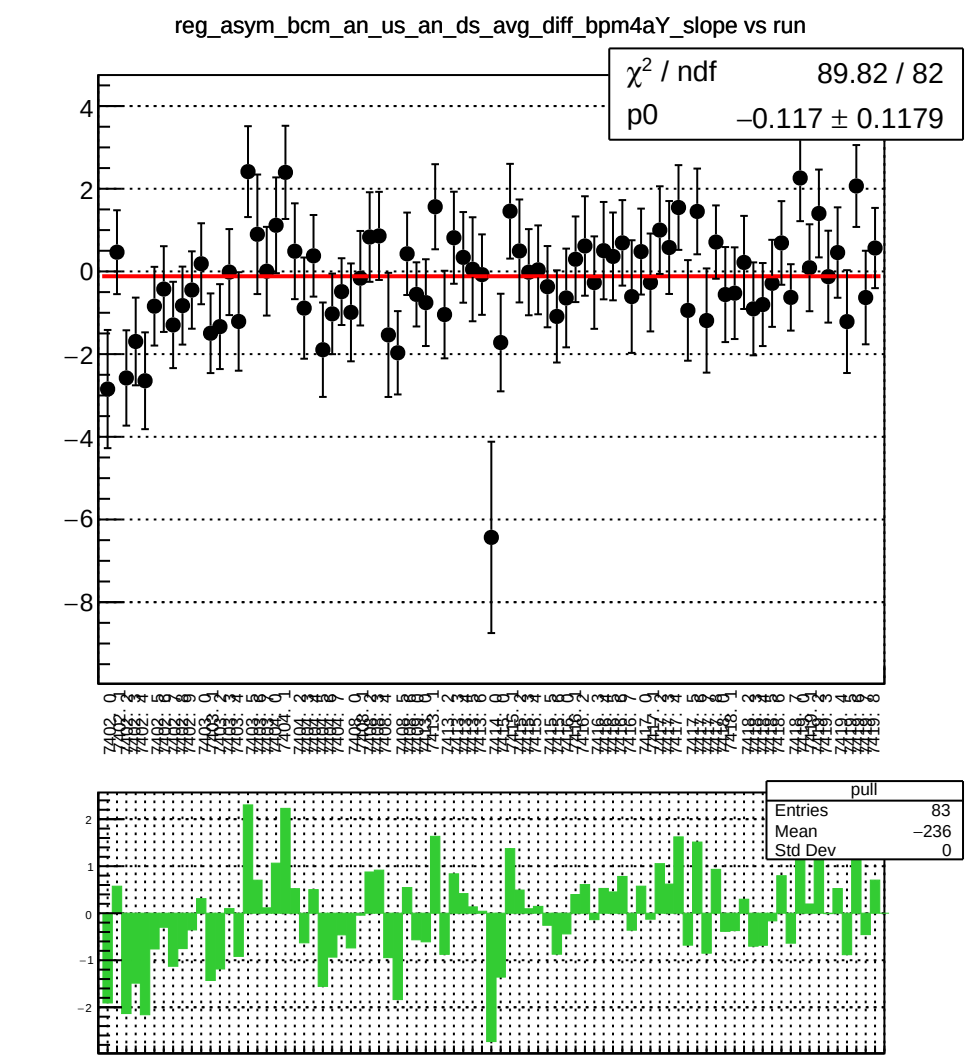

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 131.3 / 82
p0 0.8376 ± 0.04159
pull
Entries 83
Mean −57.32
Std Dev 0
pull1D
Entries 83
Mean 0.07676
Std Dev 1.255

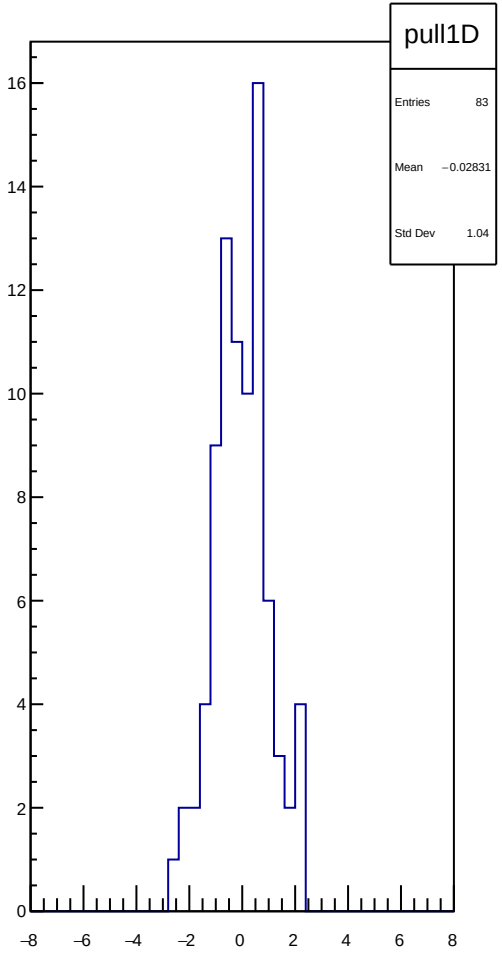

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 93.3 / 82
p0 −0.2874 ± 0.04251
pull
Entries 83
Mean −1127
Std Dev 0

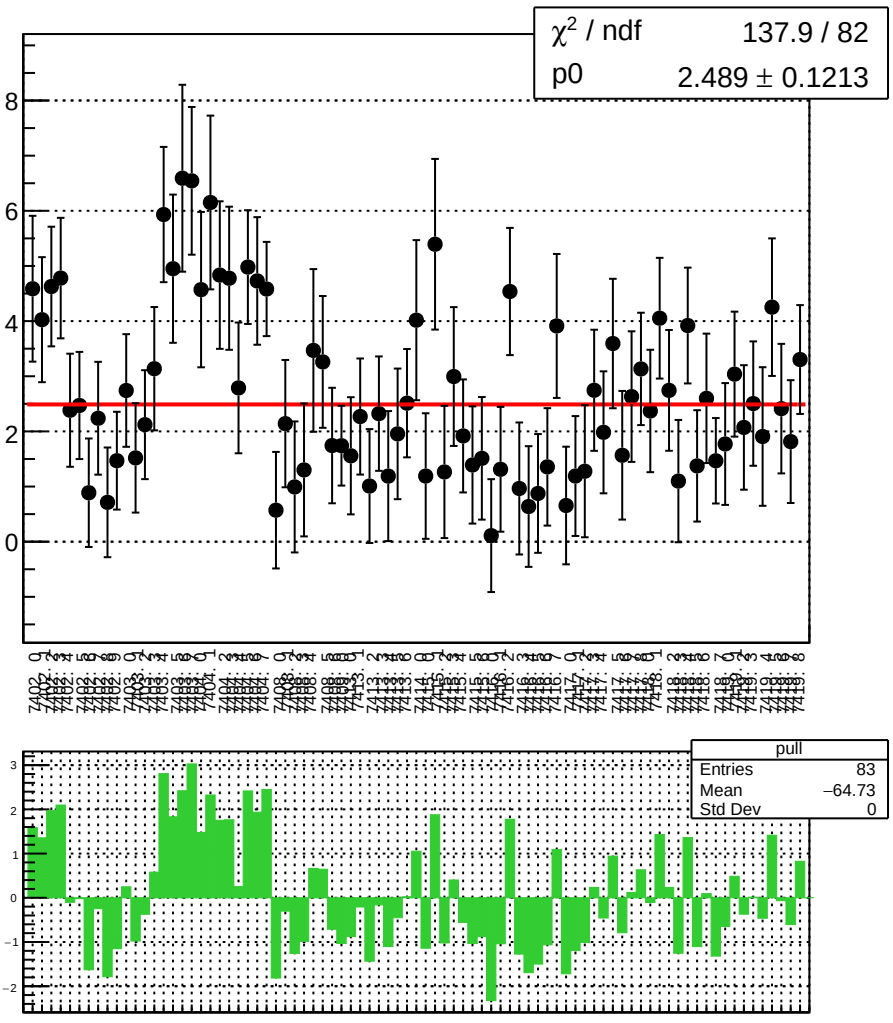

pull1D
Entries 83
Mean 0.007405
Std Dev 1.06

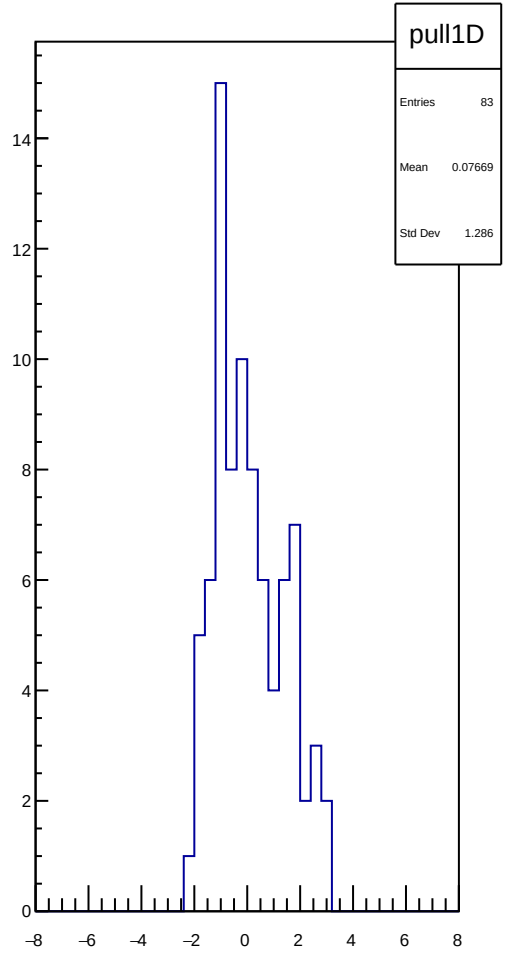

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 50.96 / 82
p0 0.02314 ± 0.00185
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 83
Mean 188.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.00356
Std Dev 0.7835
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

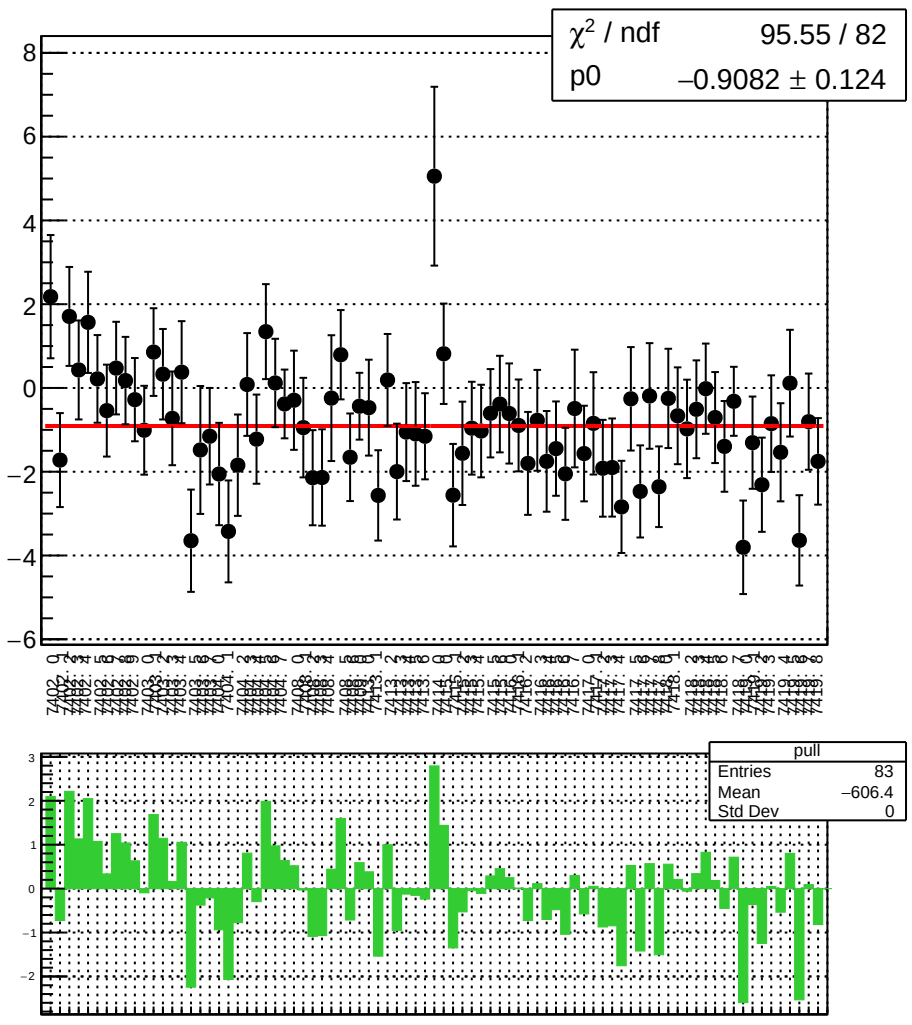

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 137.7 / 82
p0 −2.292 ± 0.1175
pull
Entries 83
Mean −73
Std Dev 0
pull1D
Entries 83
Mean −0.07633
Std Dev 1.286

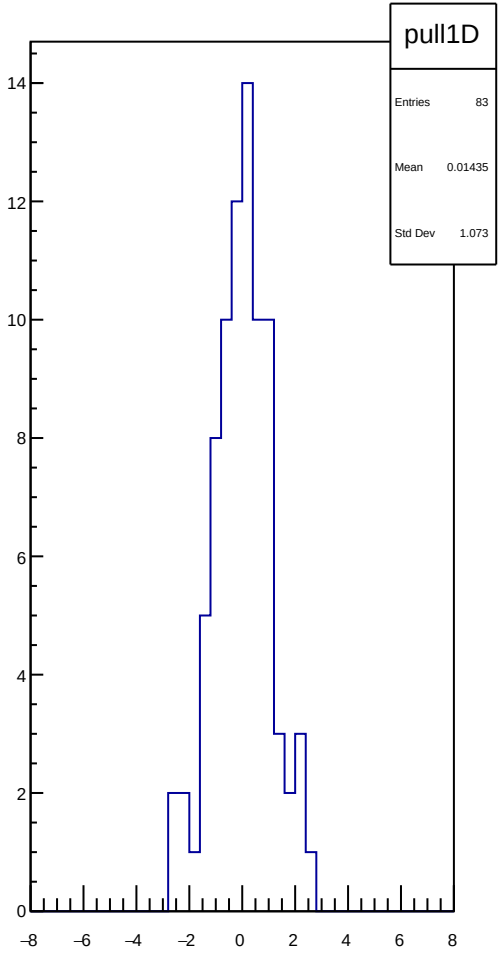

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.82 / 82
p0 −0.117 ± 0.1179
pull
Entries 83
Mean −236
Std Dev 0

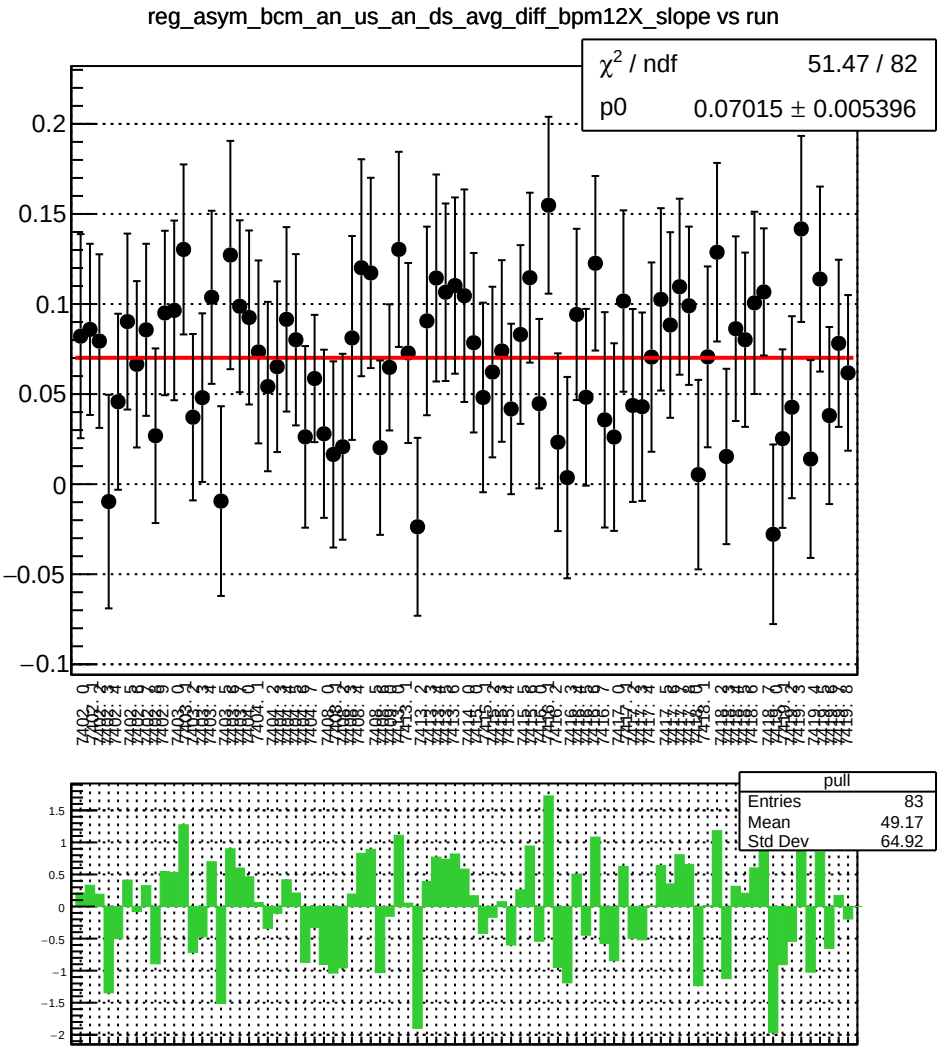

pull1D
Entries 83
Mean −0.02831
Std Dev 1.04

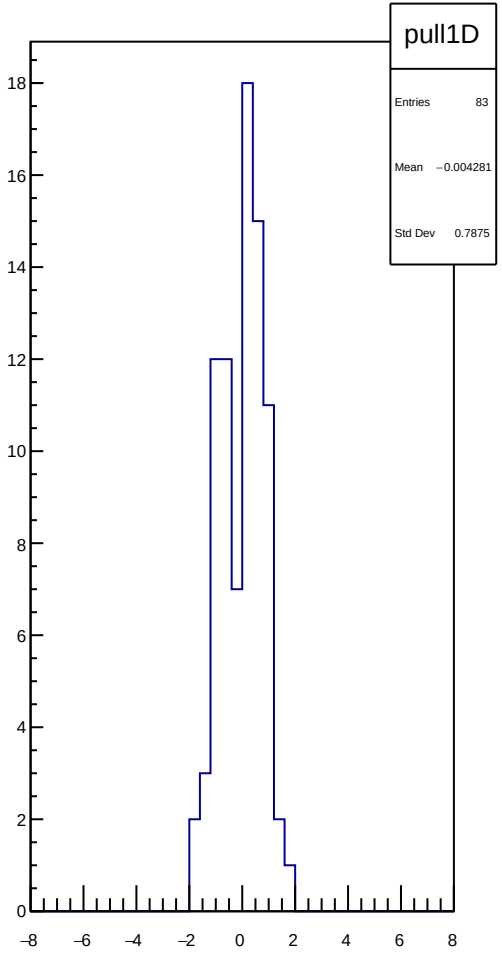

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 137.9 / 82
p0 2.489 ± 0.1213
pull
Entries 83
Mean −64.73
Std Dev 0

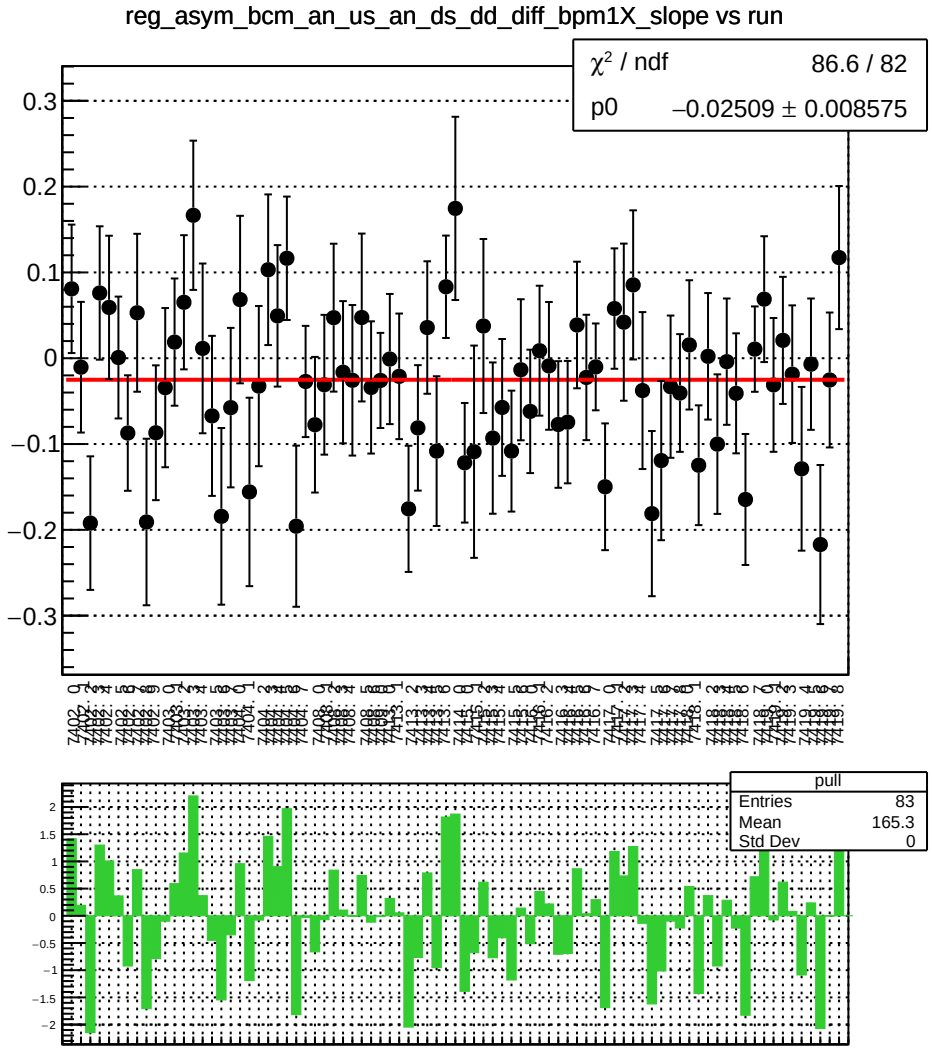

pull1D
Entries 83
Mean 0.07669
Std Dev 1.286

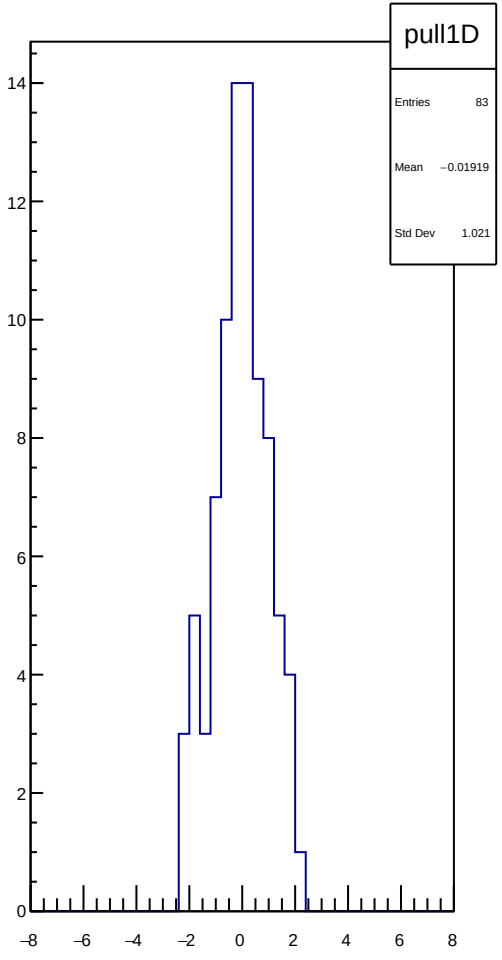

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 95.55 / 82
p0 −0.9082 ± 0.124
pull
Entries 83
Mean −606.4
Std Dev 0

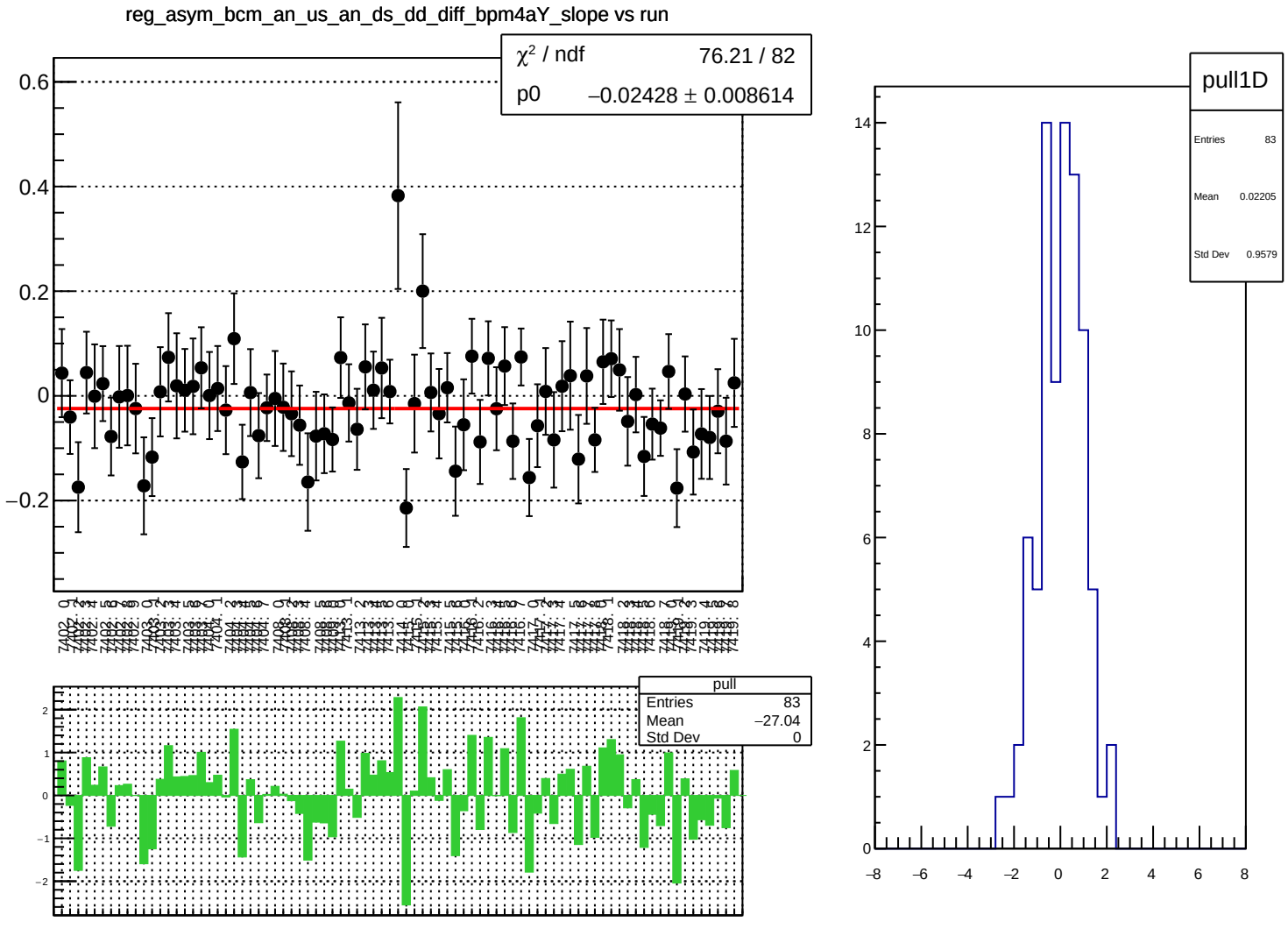

pull1D
Entries 83
Mean 0.01435
Std Dev 1.073

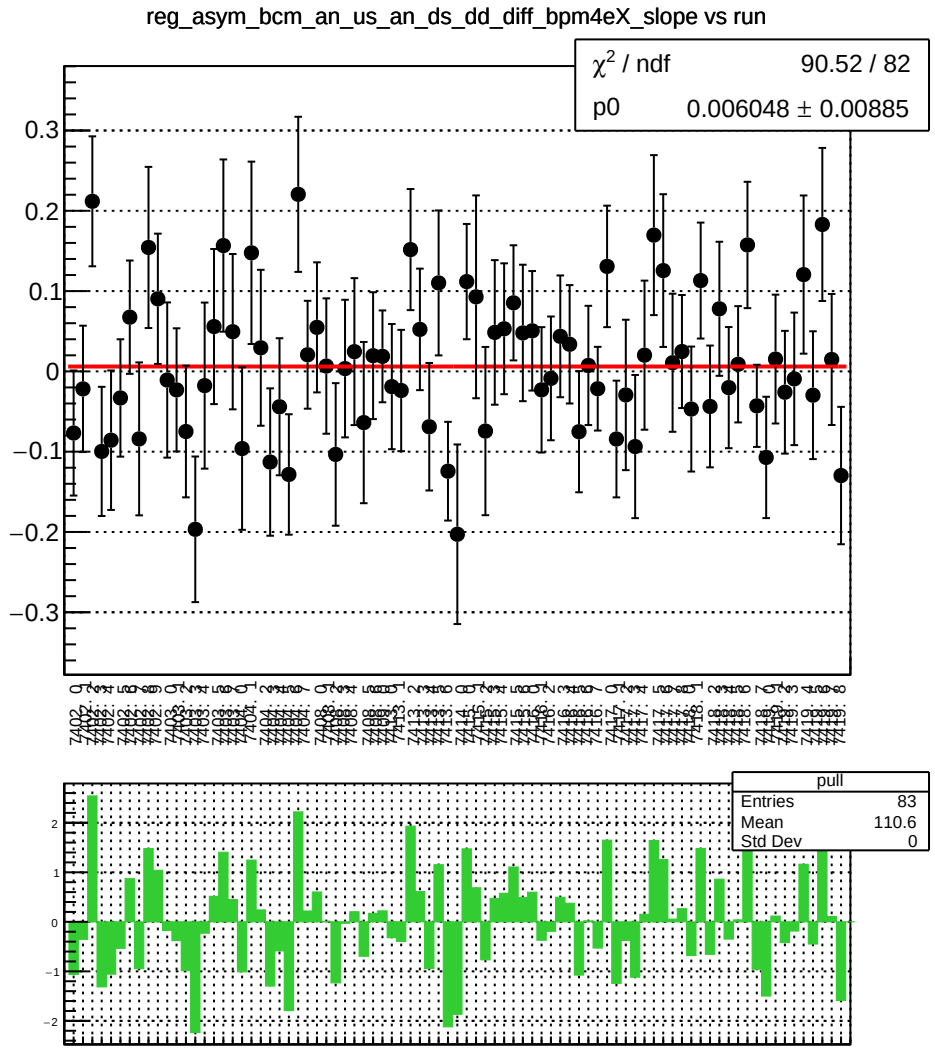

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 51.47 / 82
p0 0.07015 ± 0.005396
pull
Entries 83
Mean 49.17
Std Dev 64.92

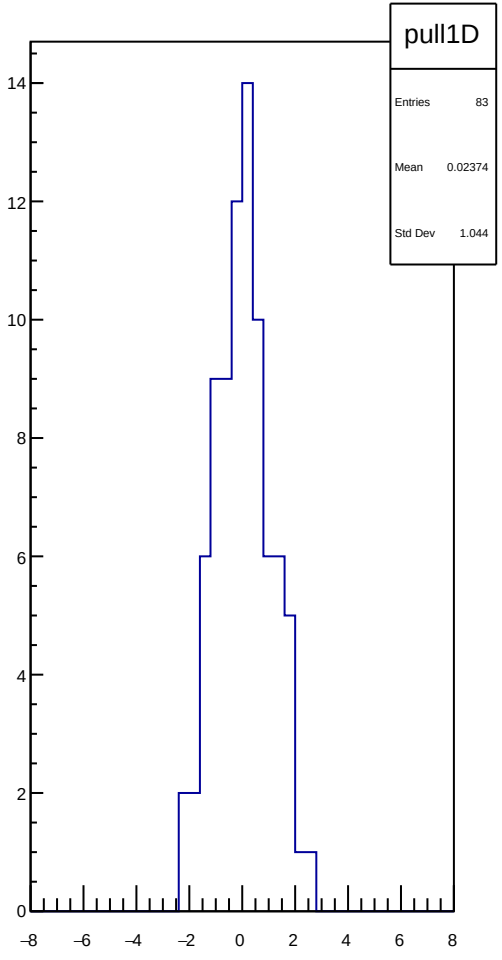

pull1D
Entries 83
Mean −0.004281
Std Dev 0.7875

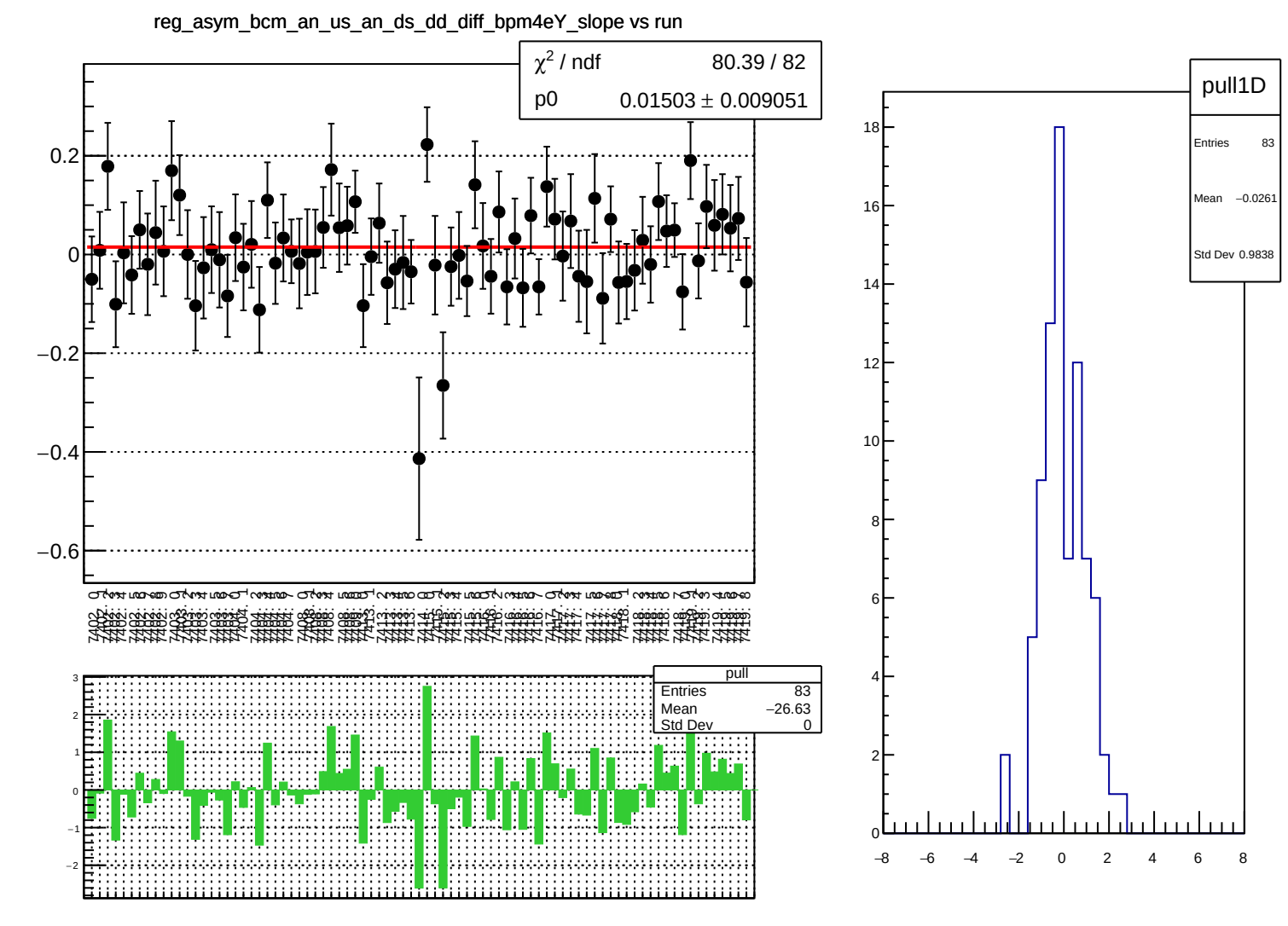

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 86.6 / 82
p0 −0.02509 ± 0.008575
pull
Entries 83
Mean 165.3
Std Dev 0

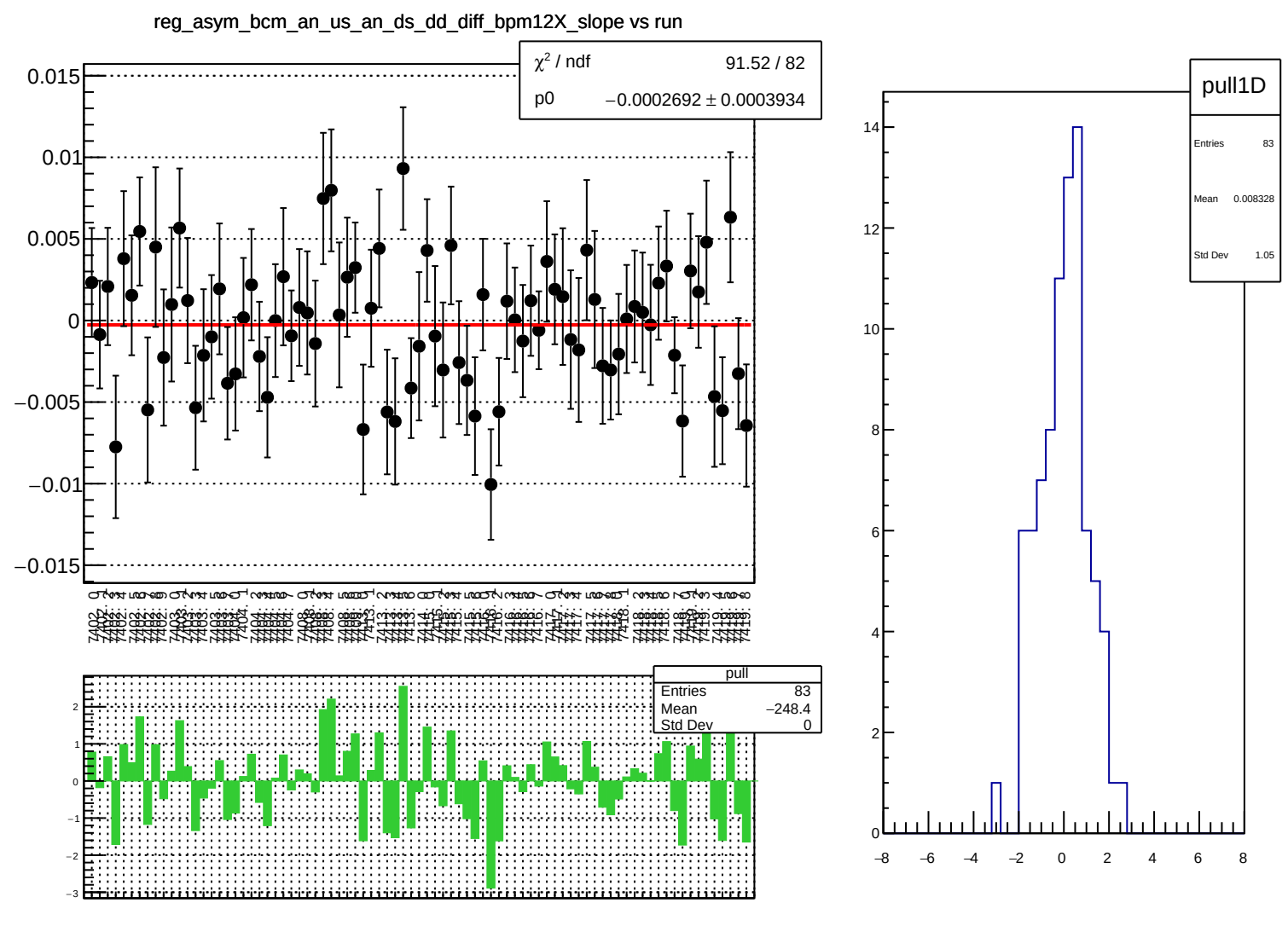

pull1D
Entries 83
Mean −0.01919
Std Dev 1.021

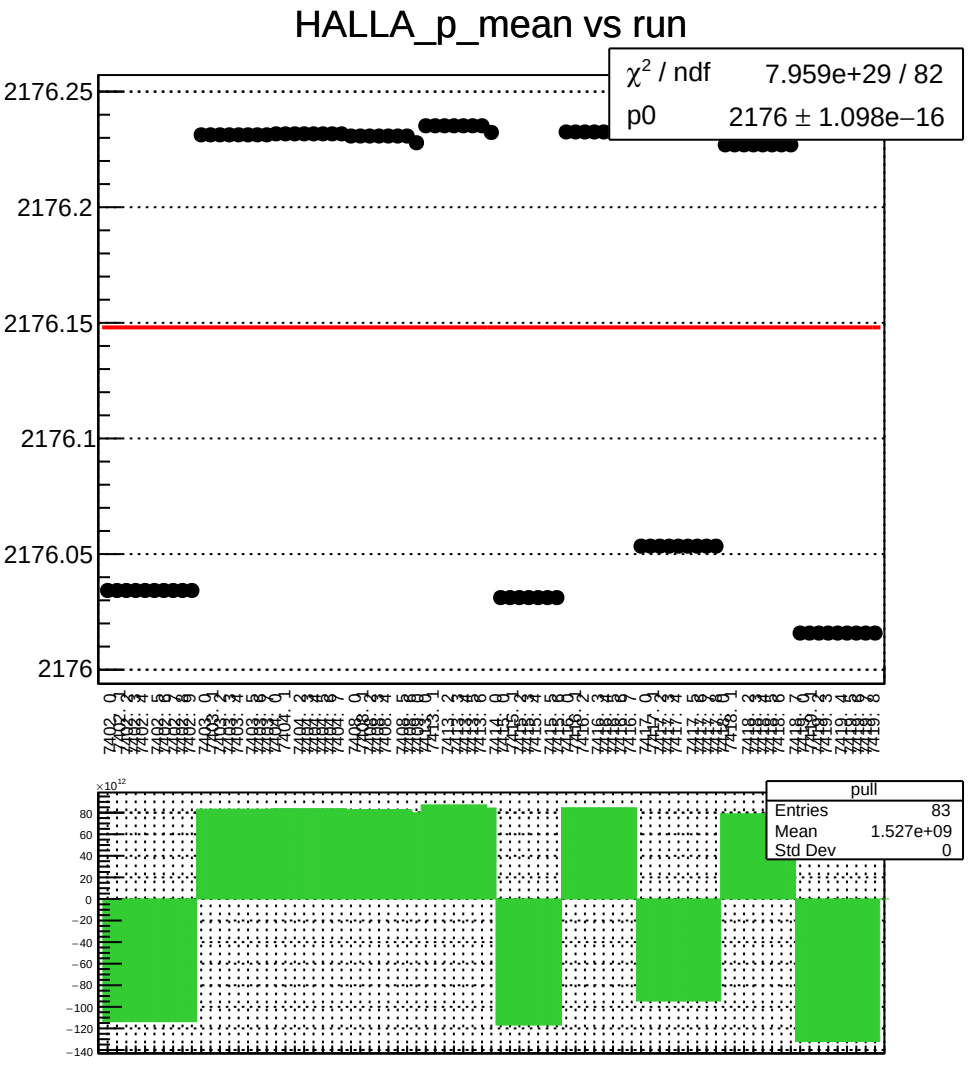

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.21 / 82
p0 −0.02428 ± 0.008614
pull
Entries 83
Mean −27.04
Std Dev 0
pull1D
Entries 83
Mean 0.02205
Std Dev 0.9579

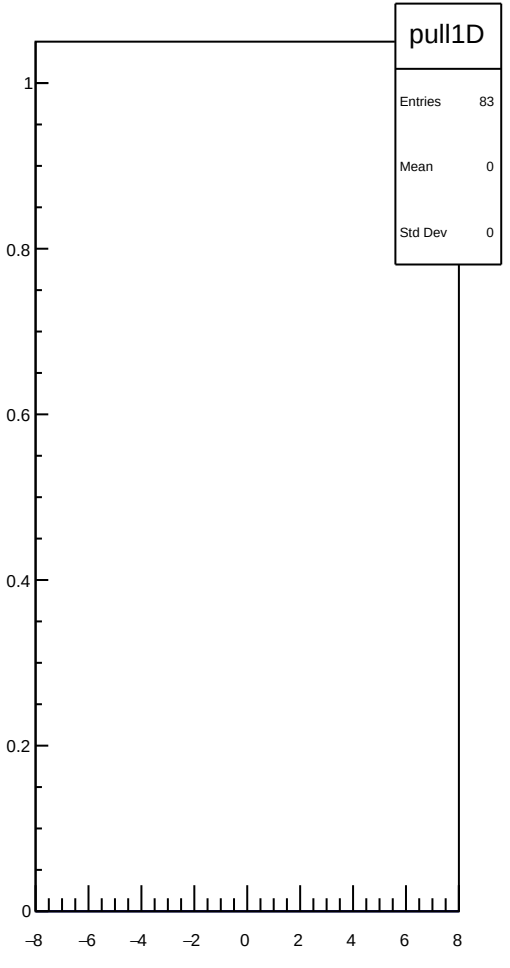

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.52 / 82
p0 0.006048 ± 0.00885
pull
Entries 83
Mean 110.6
Std Dev 0

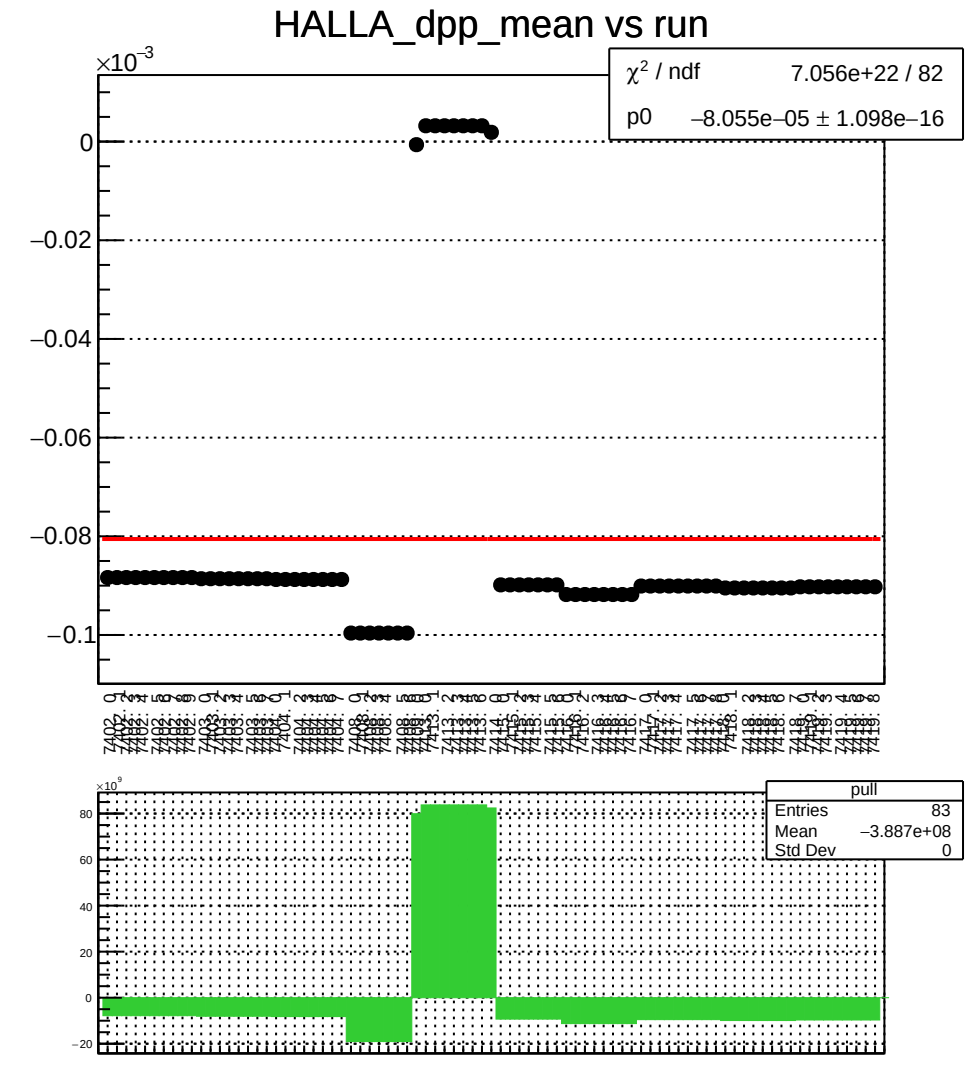

pull1D
Entries 83
Mean 0.02374
Std Dev 1.044

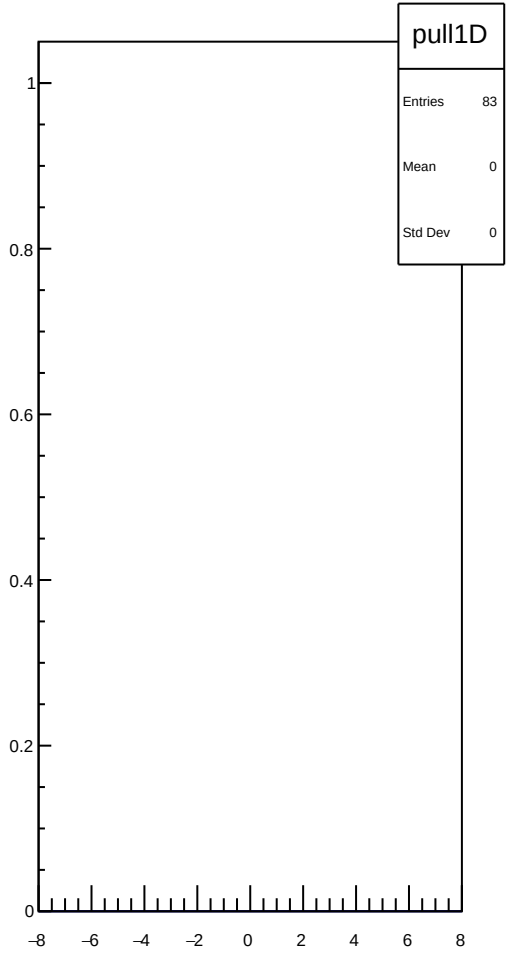

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.39 / 82
p0 0.01503 ± 0.009051
0.2
0
−0.2
−0.4
−0.6
pull
Entries 83
Mean −26.63
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.0261
Std Dev 0.9838
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

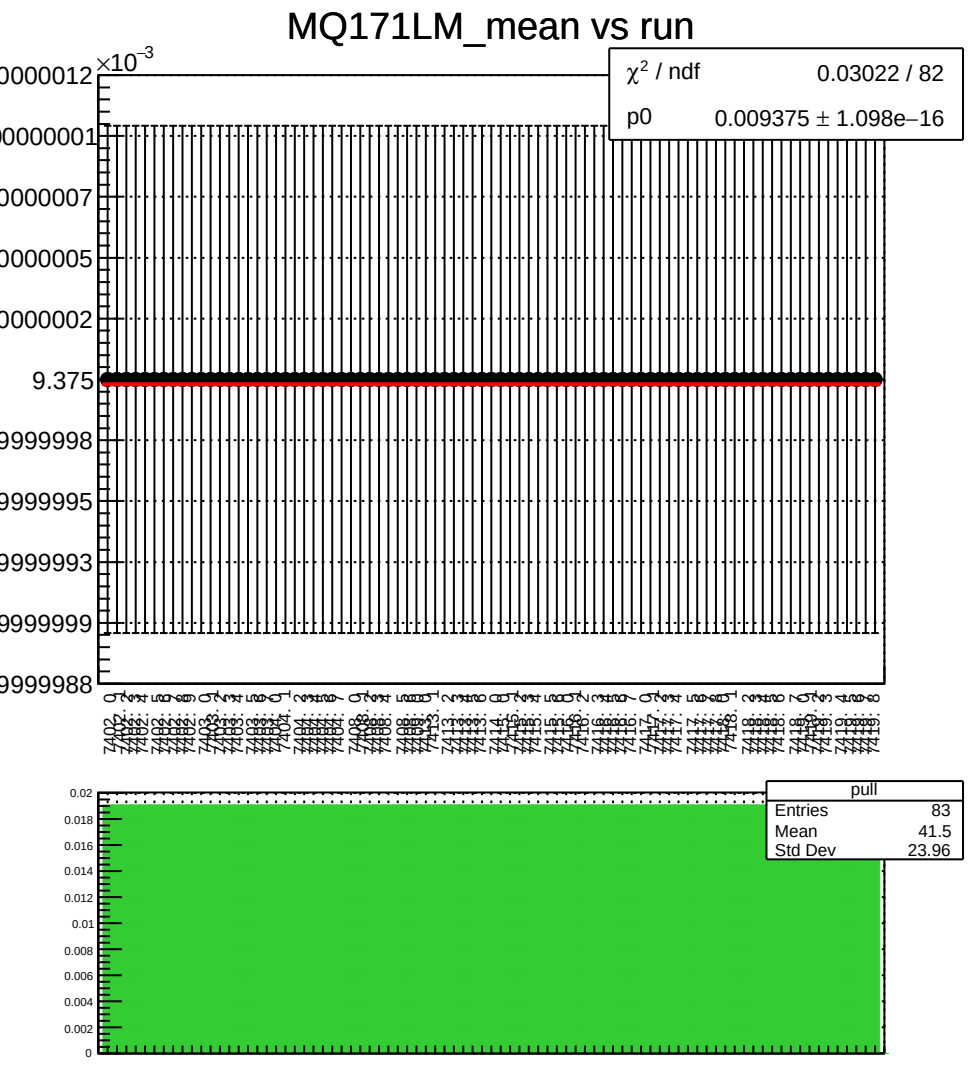

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 91.52 / 82
p0 −0.0002692 ± 0.0003934
pull
Entries 83
Mean −248.4
Std Dev 0
pull1D
Entries 83
Mean 0.008328
Std Dev 1.05

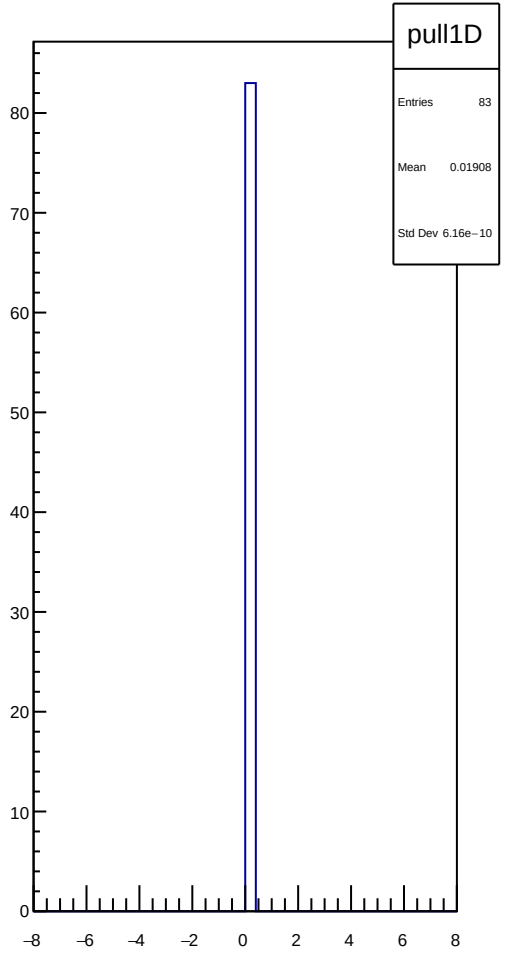

HALLA_p_mean vs run
χ² / ndf 7.959e+29 / 82
p0 2176 ± 1.098e−16
2176.25
2176.2
2176.15
2176.1
2176.05
2176
pull
Entries 83
Mean 1.527e+09
Std Dev 0
×10¹²
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

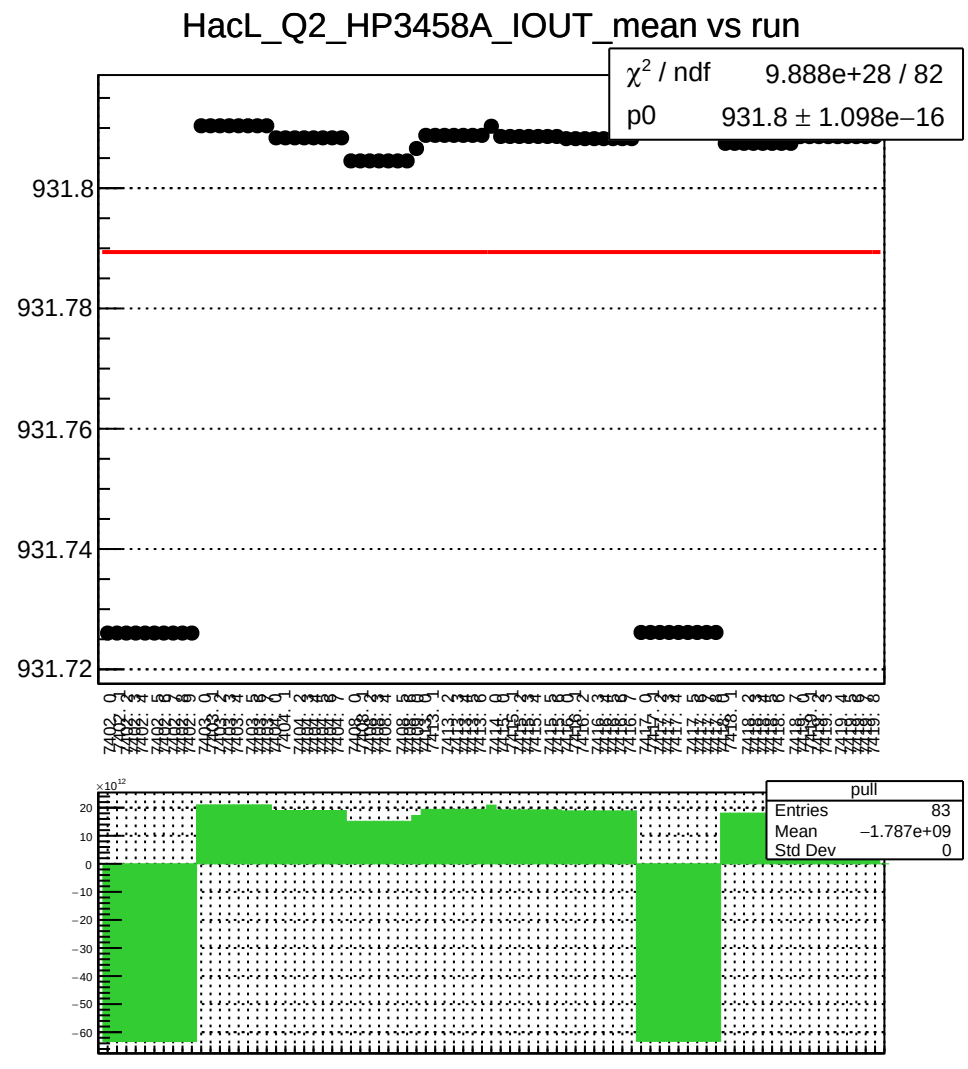

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

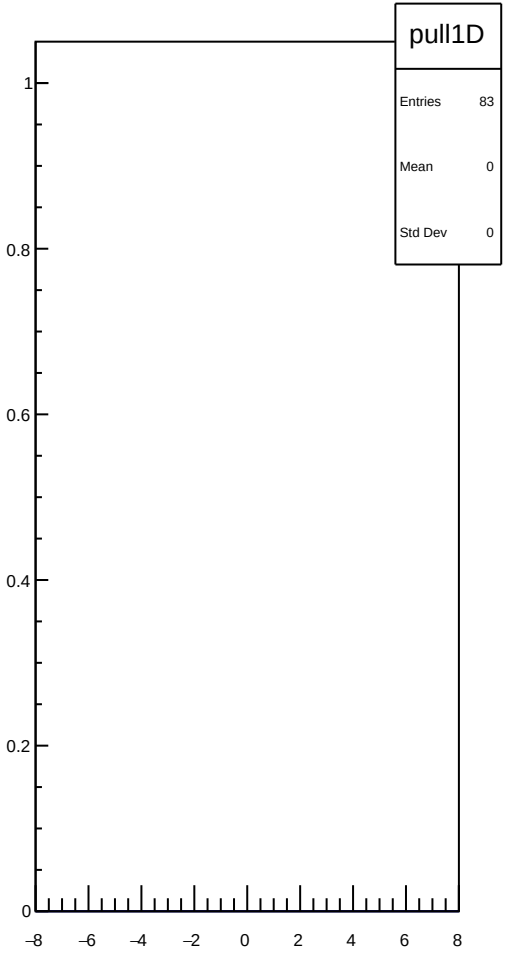

HALLA_dpp_mean vs run
χ² / ndf 7.056e+22 / 82
p0 −8.055e−05 ± 1.098e−16
pull
Entries 83
Mean −3.887e+08
Std Dev 0

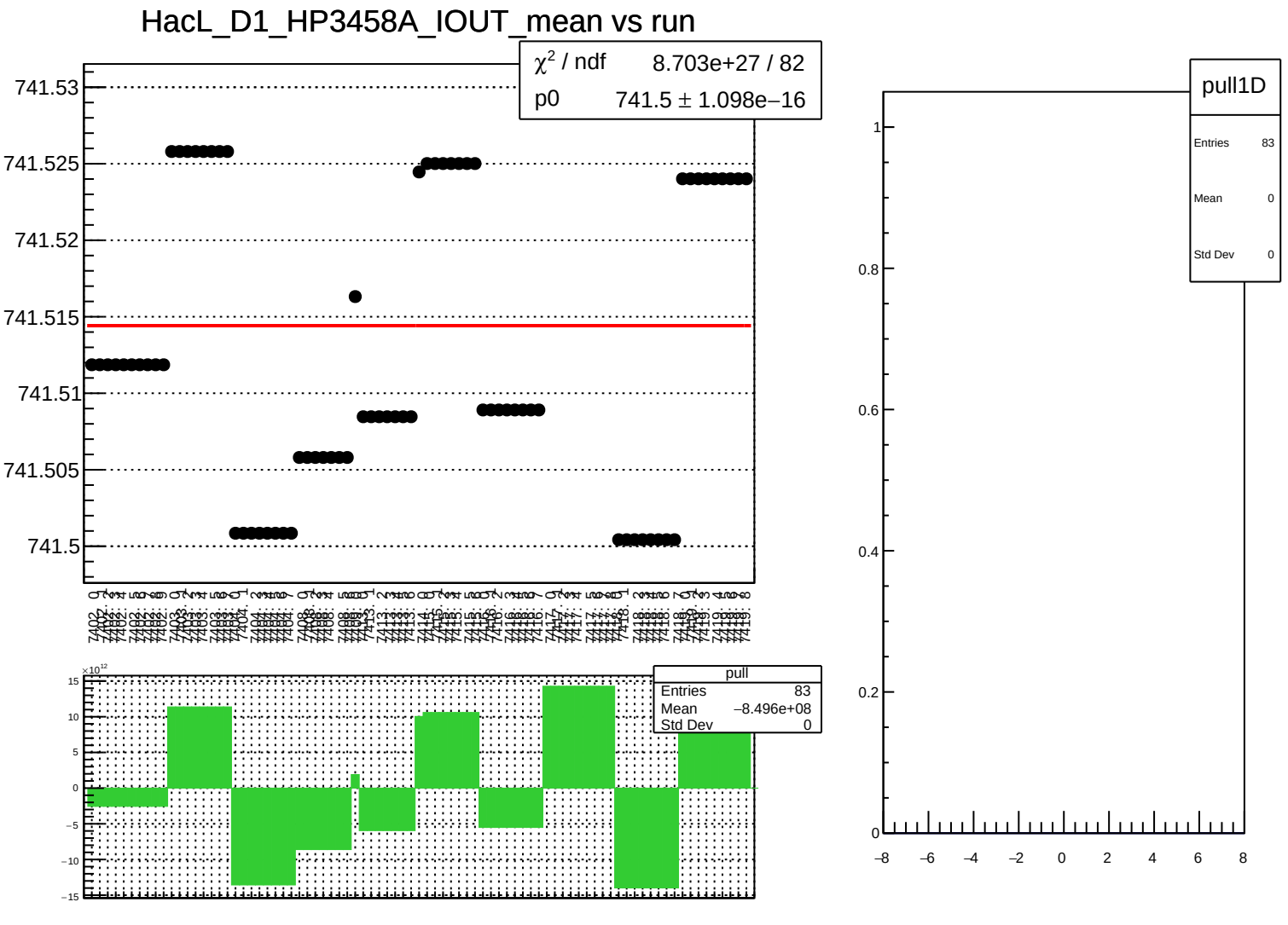

pull1D
Entries 83
Mean 0
Std Dev 0

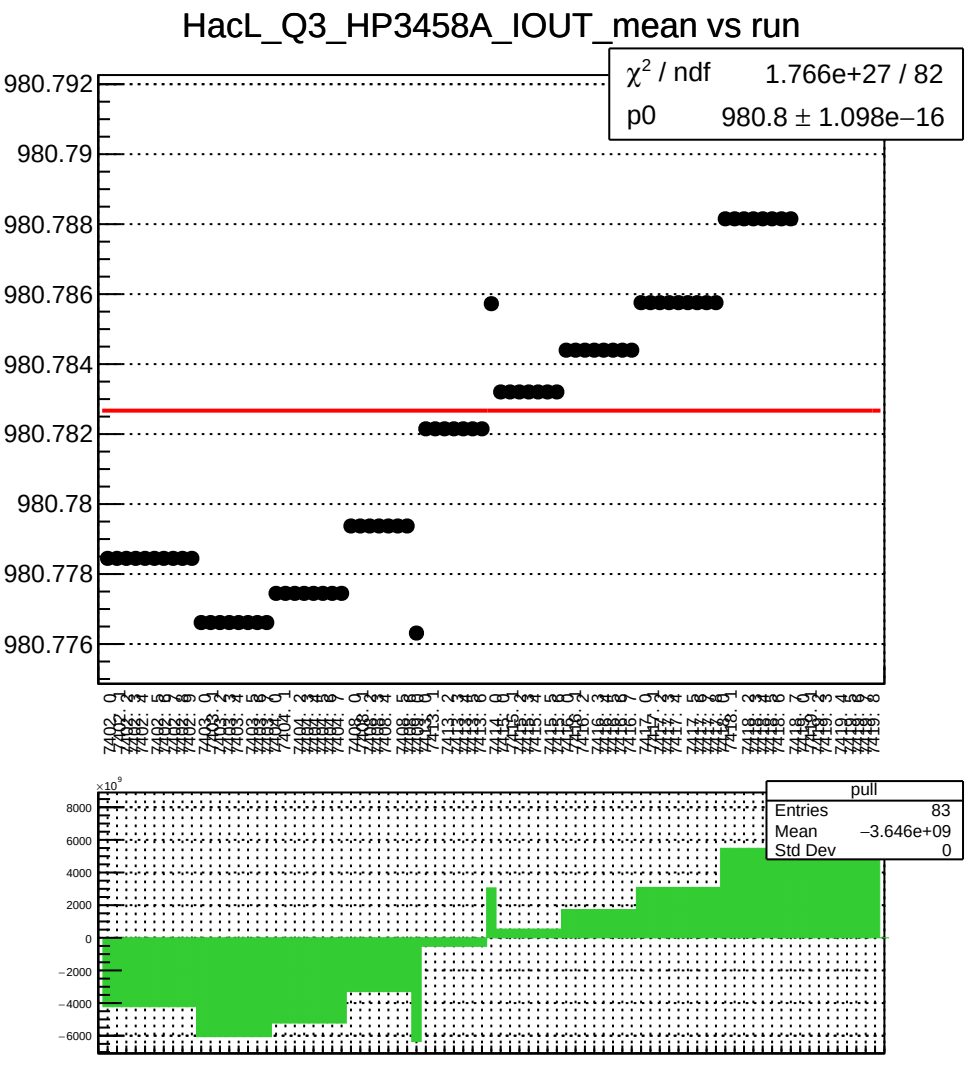

MQ171LM_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
pull
Entries 83
Mean 41.5
Std Dev 23.96

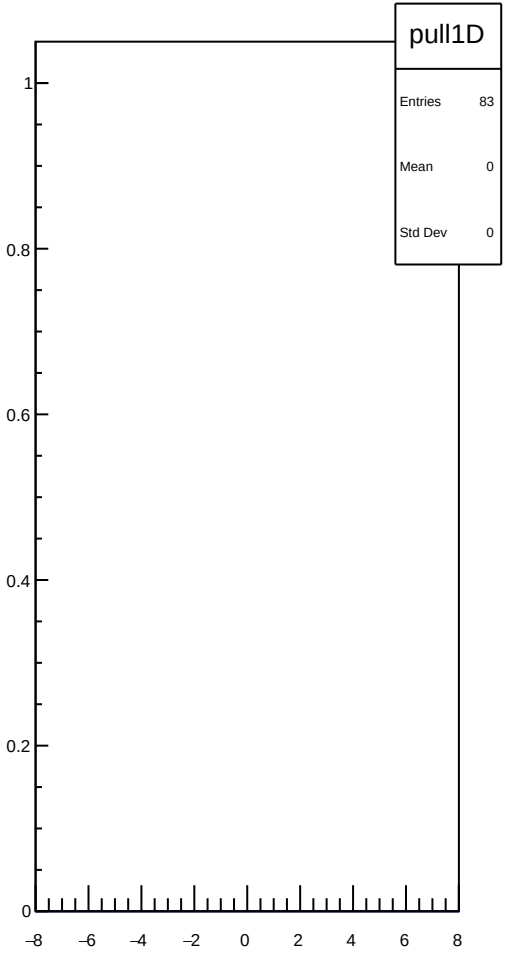

pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

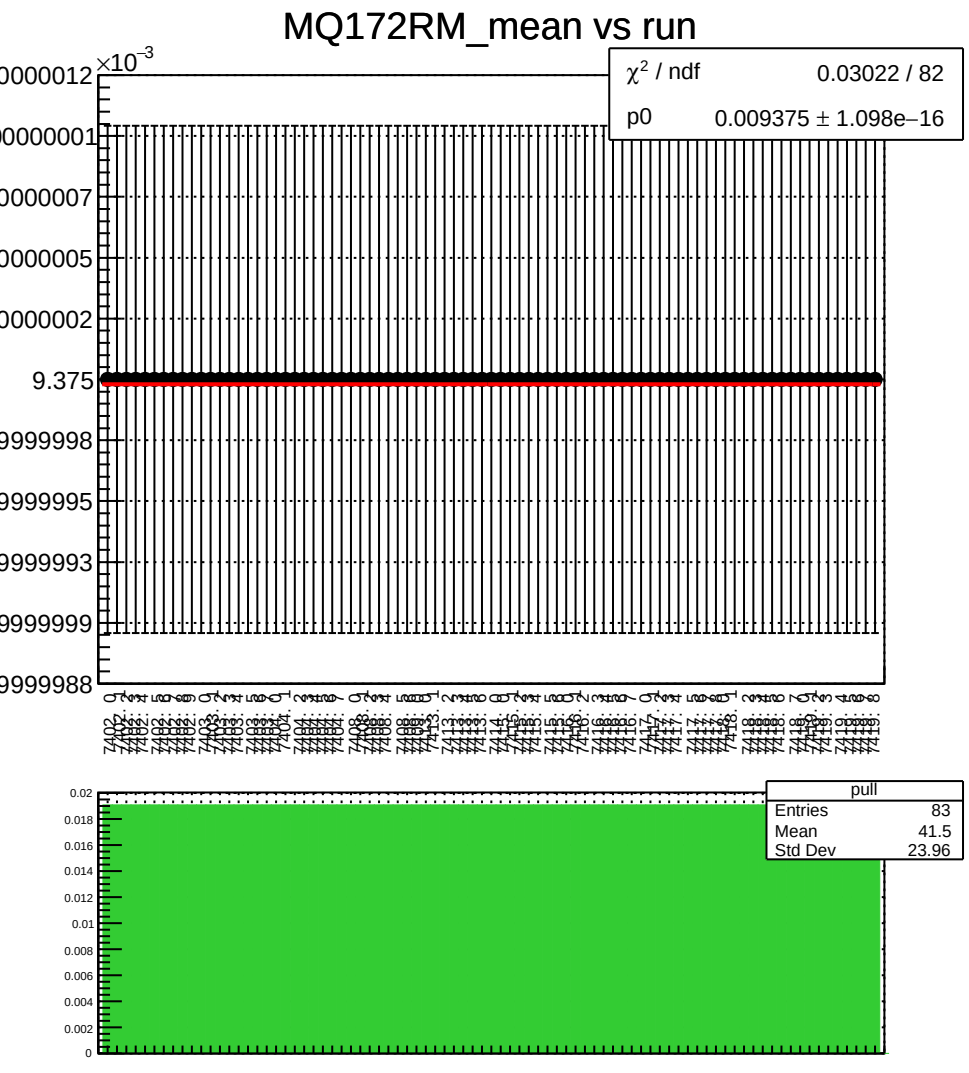

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 9.888e+28 / 82
p0 931.8 ± 1.098e−16
931.8
931.78
931.76
931.74
931.72
pull
Entries 83
Mean −1.787e+09
Std Dev 0
×10¹²
20
10
0
−10
−20
−30
−40
−50
−60

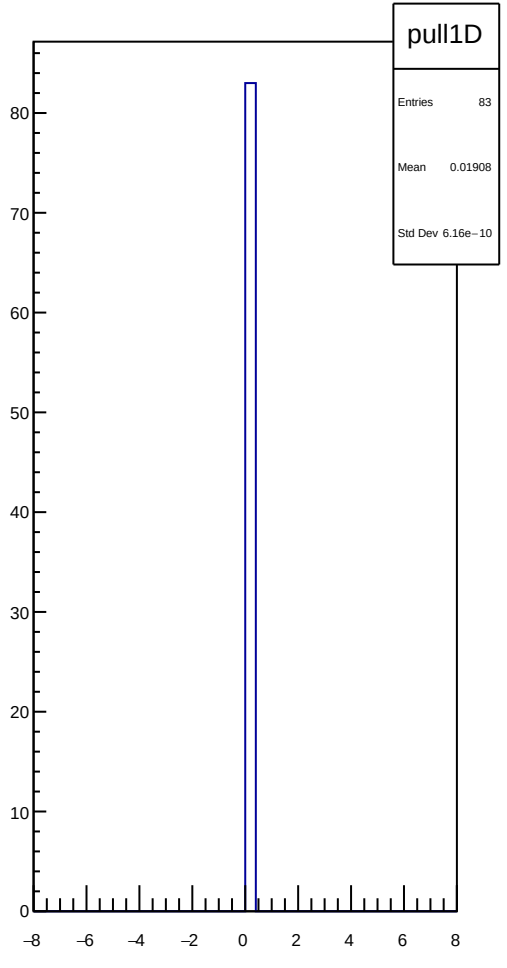

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

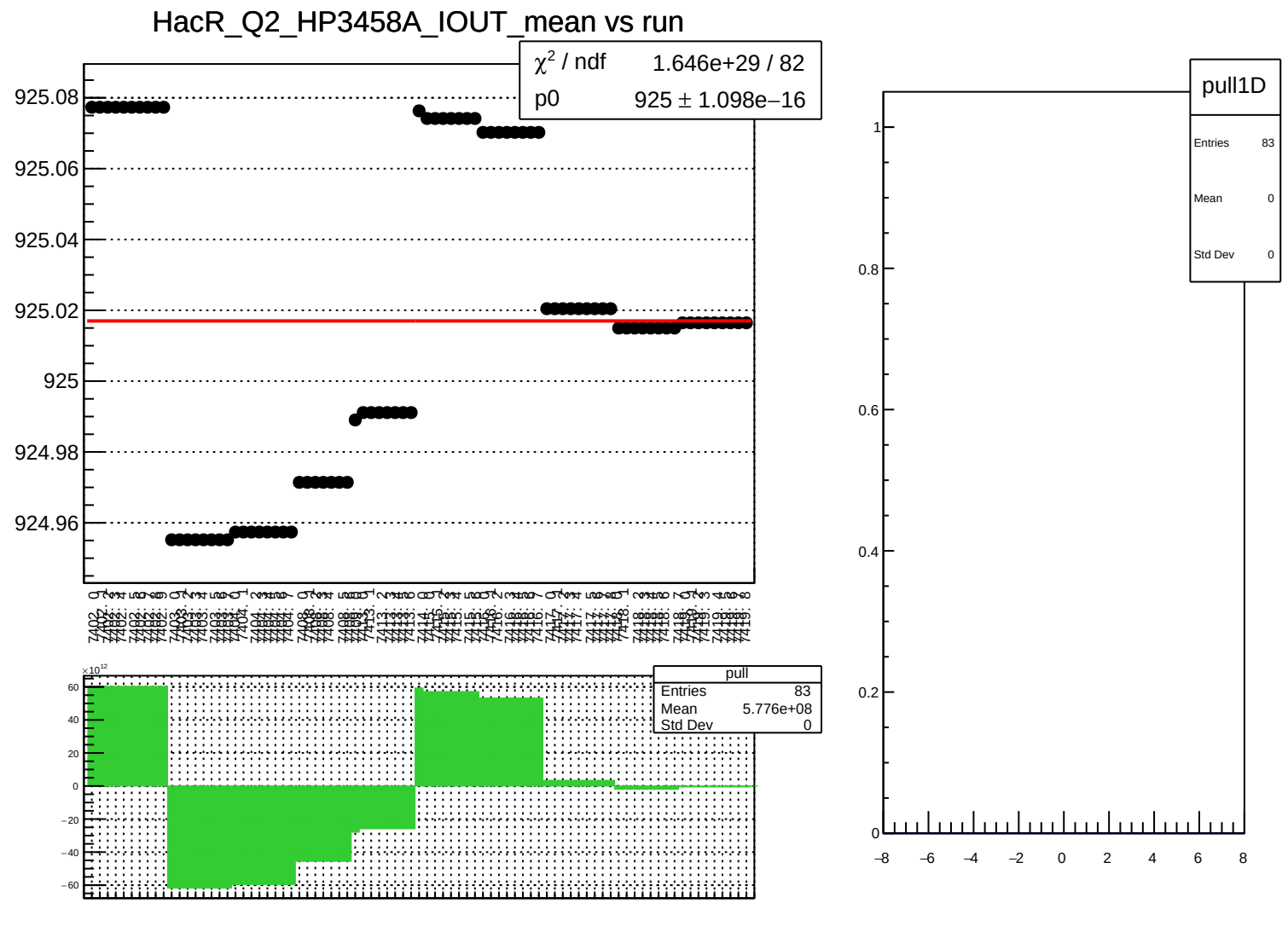

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 8.703e+27 / 82
p0 741.5 ± 1.098e−16
741.53
741.525
741.52
741.515
741.51
741.505
741.5
pull
Entries 83
Mean −8.496e+08
Std Dev 0
×10¹²
15
10
5
0
−5
−10
−15
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

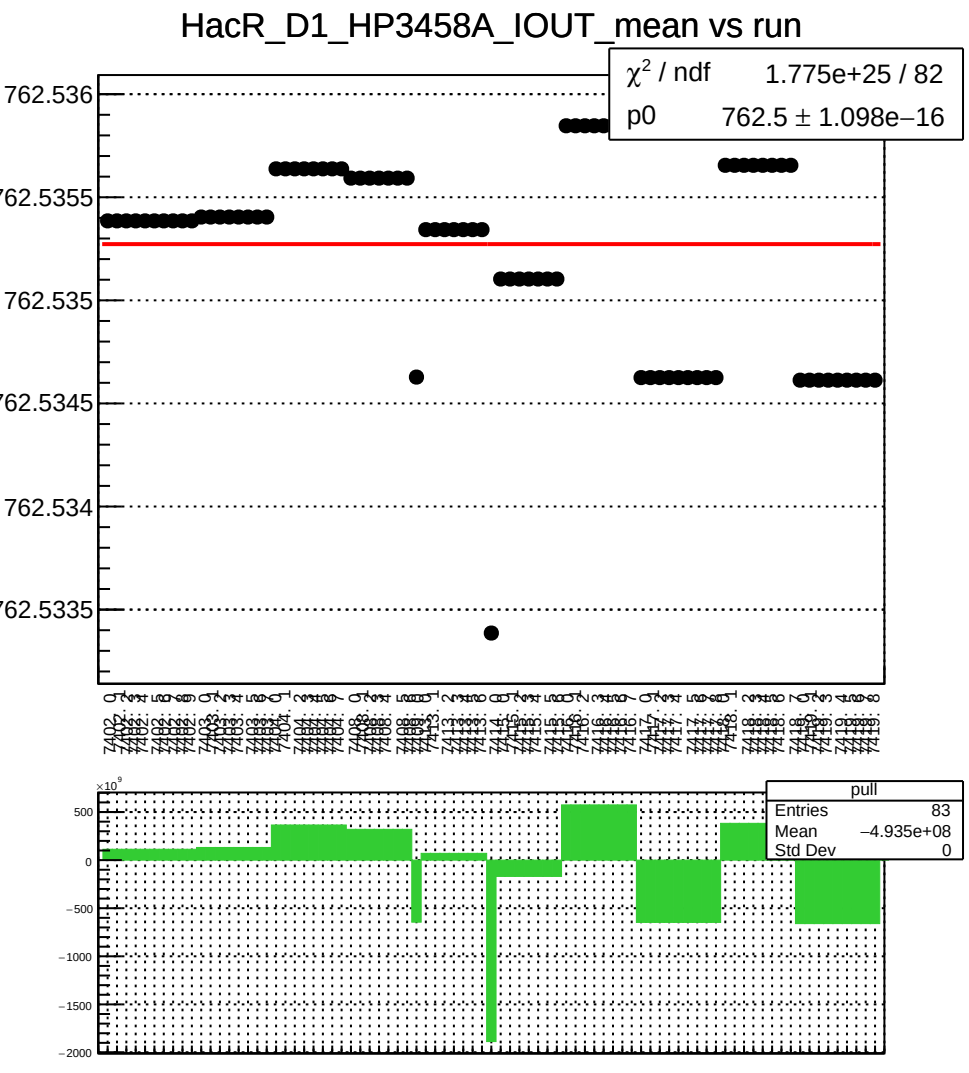

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.766e+27 / 82
p0 980.8 ± 1.098e−16
980.792
980.79
980.788
980.786
980.784
980.782
980.78
980.778
980.776
pull
Entries 83
Mean −3.646e+09
Std Dev 0
×10⁹
8000
6000
4000
2000
0
−2000
−4000
−6000

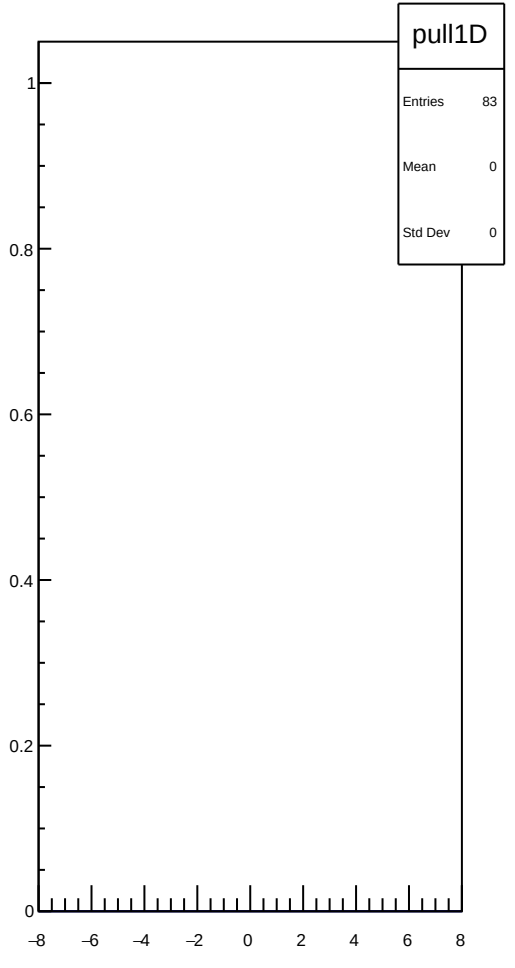

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

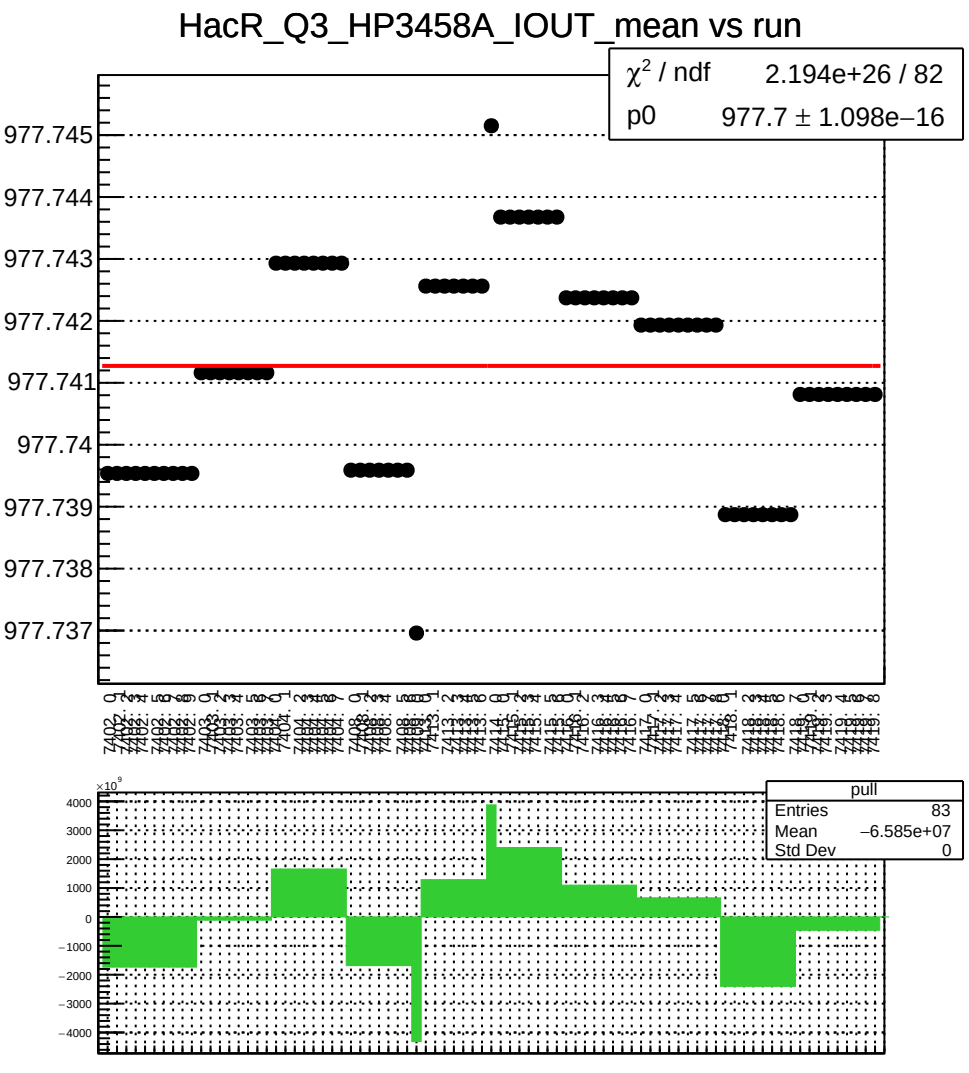

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
pull
Entries 83
Mean 41.5
Std Dev 23.96

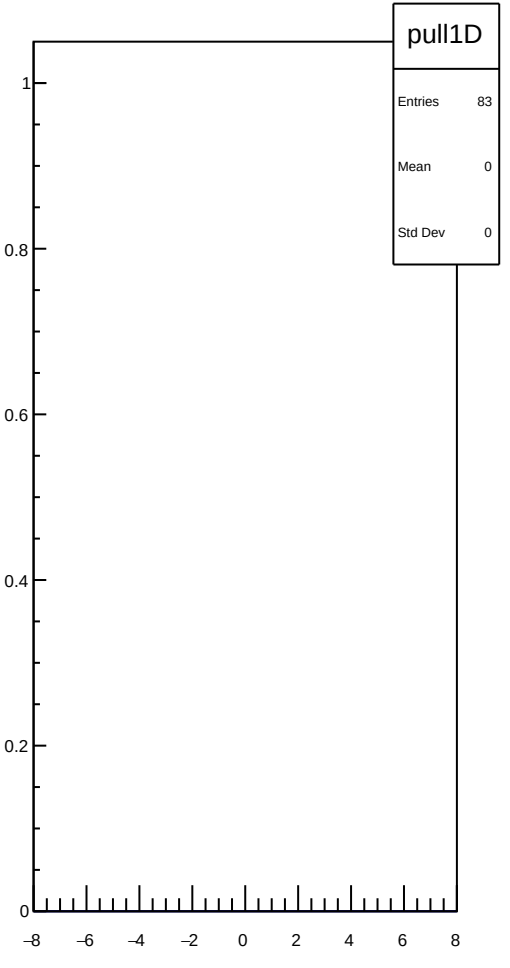

pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

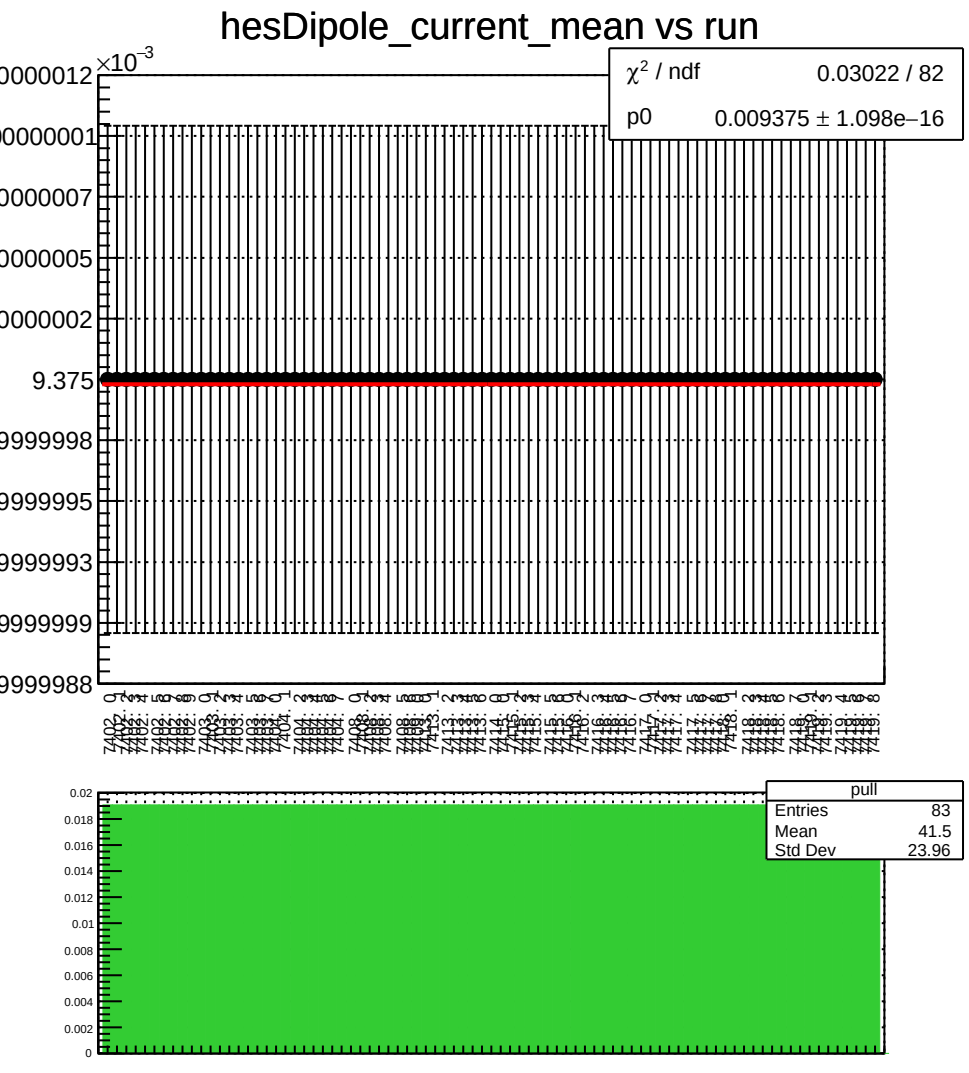

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.646e+29 / 82
p0 925 ± 1.098e−16
925.08
925.06
925.04
925.02
925
924.98
924.96
pull
Entries 83
Mean 5.776e+08
Std Dev 0
×10¹²
60
40
20
0
−20
−40
−60
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

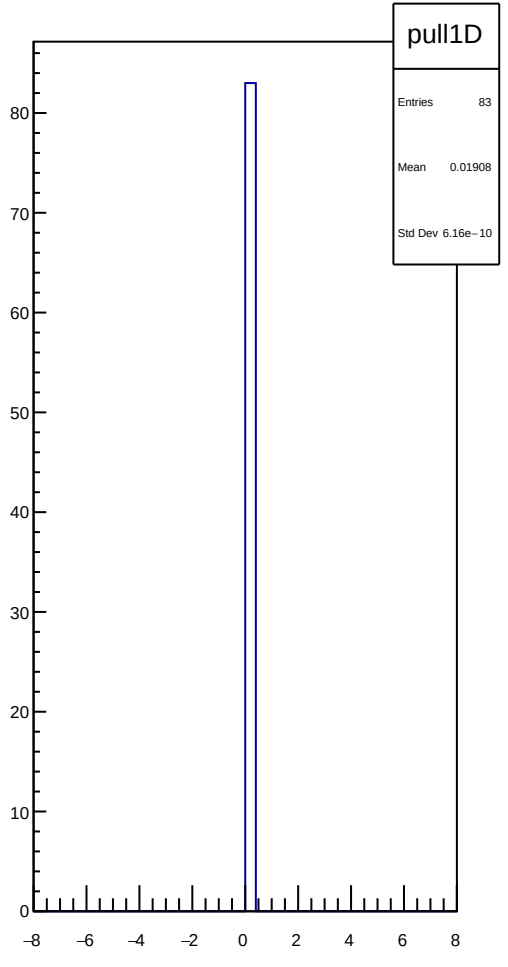

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.775e+25 / 82
p0 762.5 ± 1.098e−16
762.536
762.5355
762.535
762.5345
762.534
762.5335
pull
Entries 83
Mean −4.935e+08
Std Dev 0
×10⁹
500
0
−500
−1000
−1500
−2000

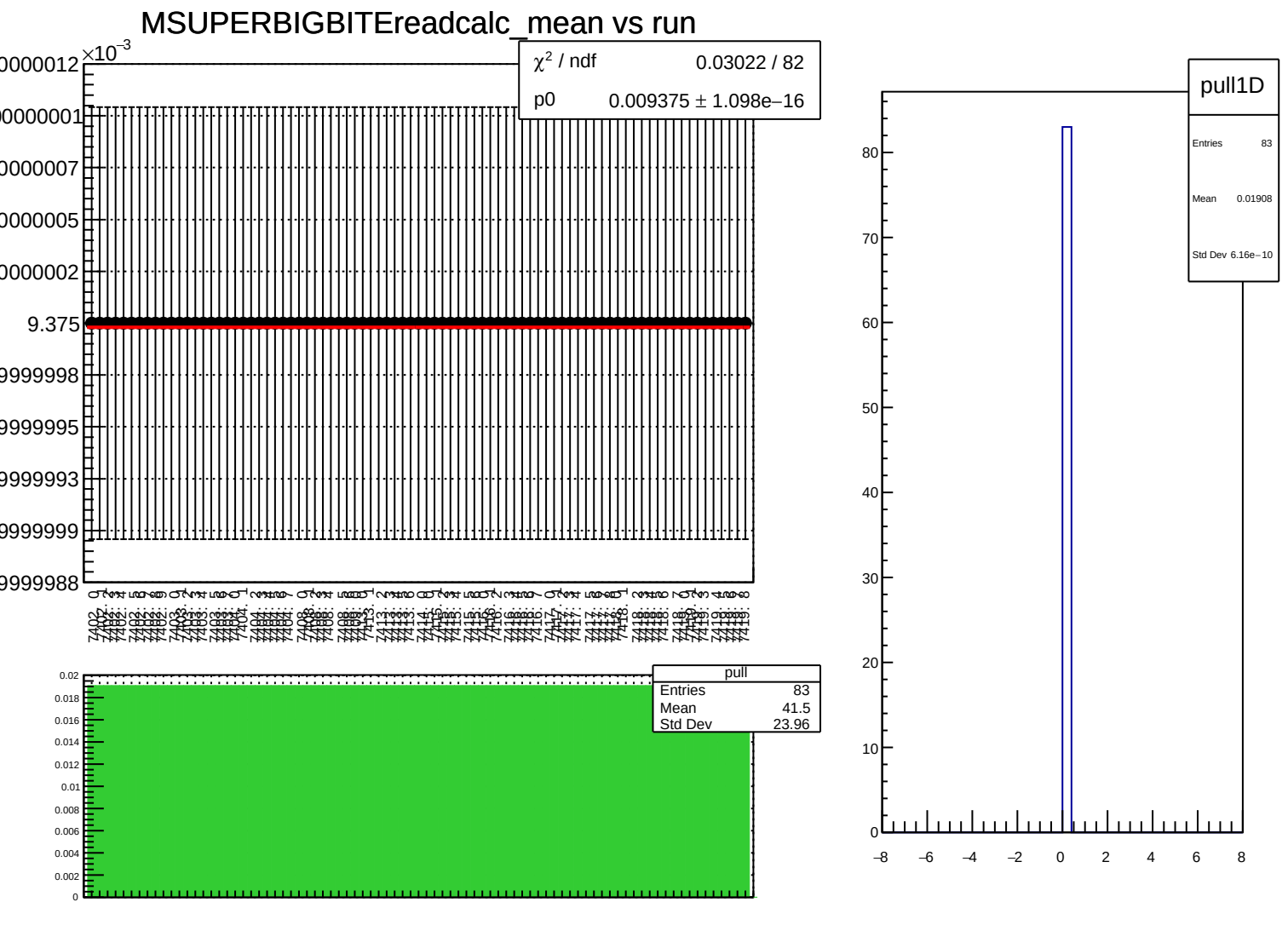

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

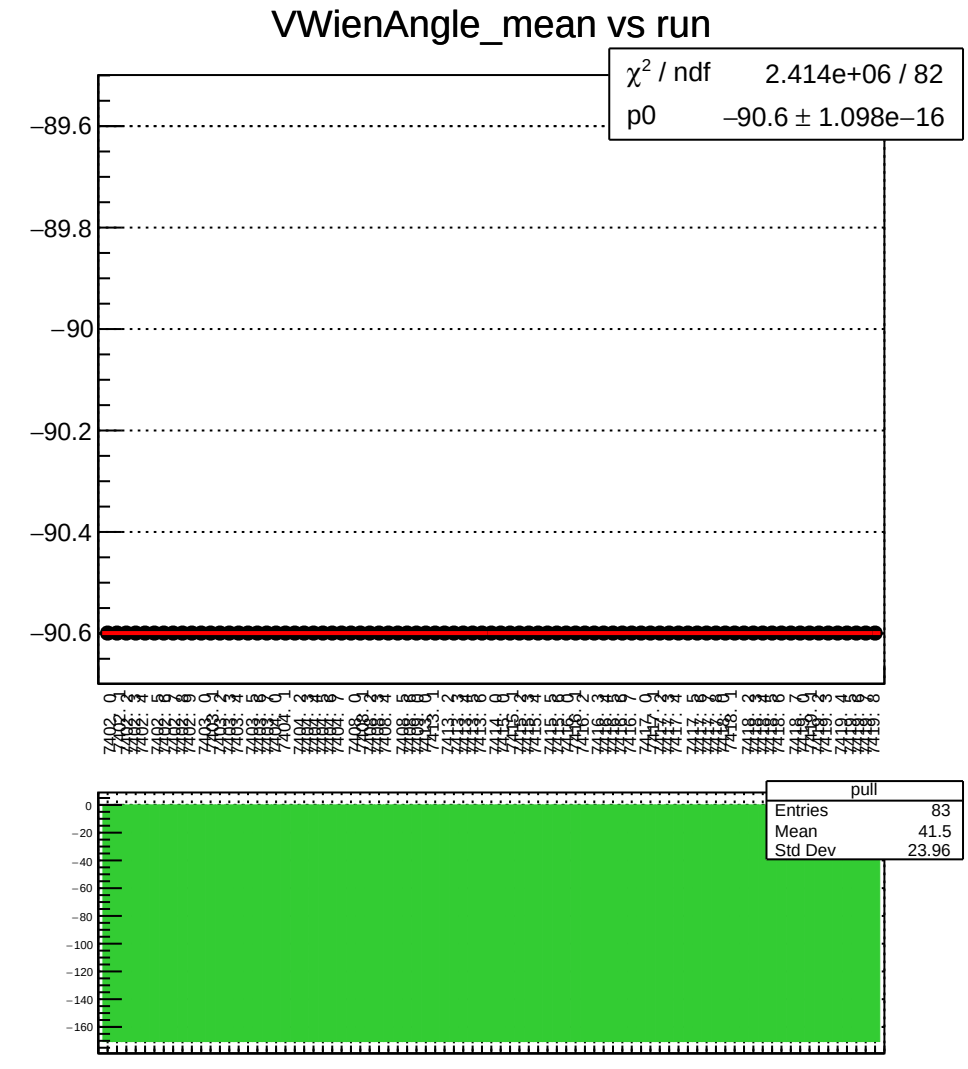

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.194e+26 / 82
p0 977.7 ± 1.098e−16
977.745
977.744
977.743
977.742
977.741
977.74
977.739
977.738
977.737
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 83
Mean −6.585e+07
Std Dev 0

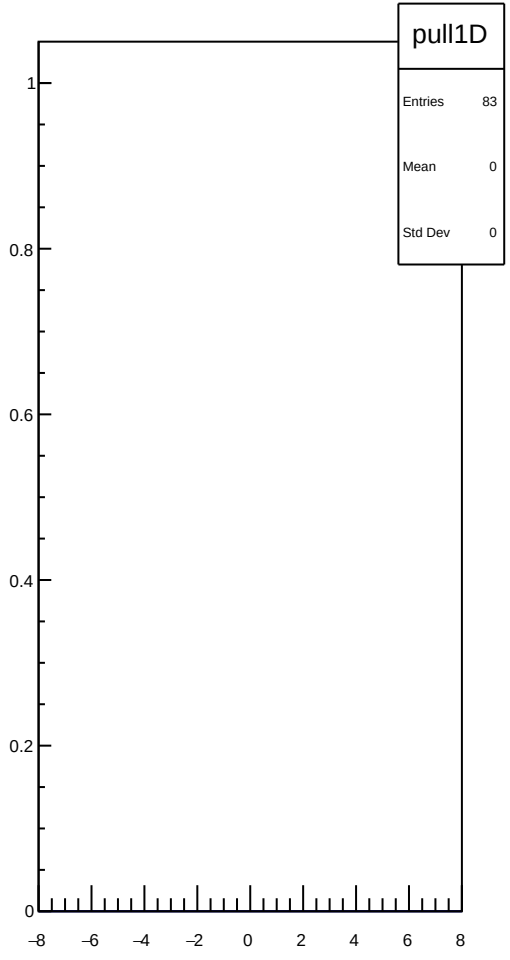

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

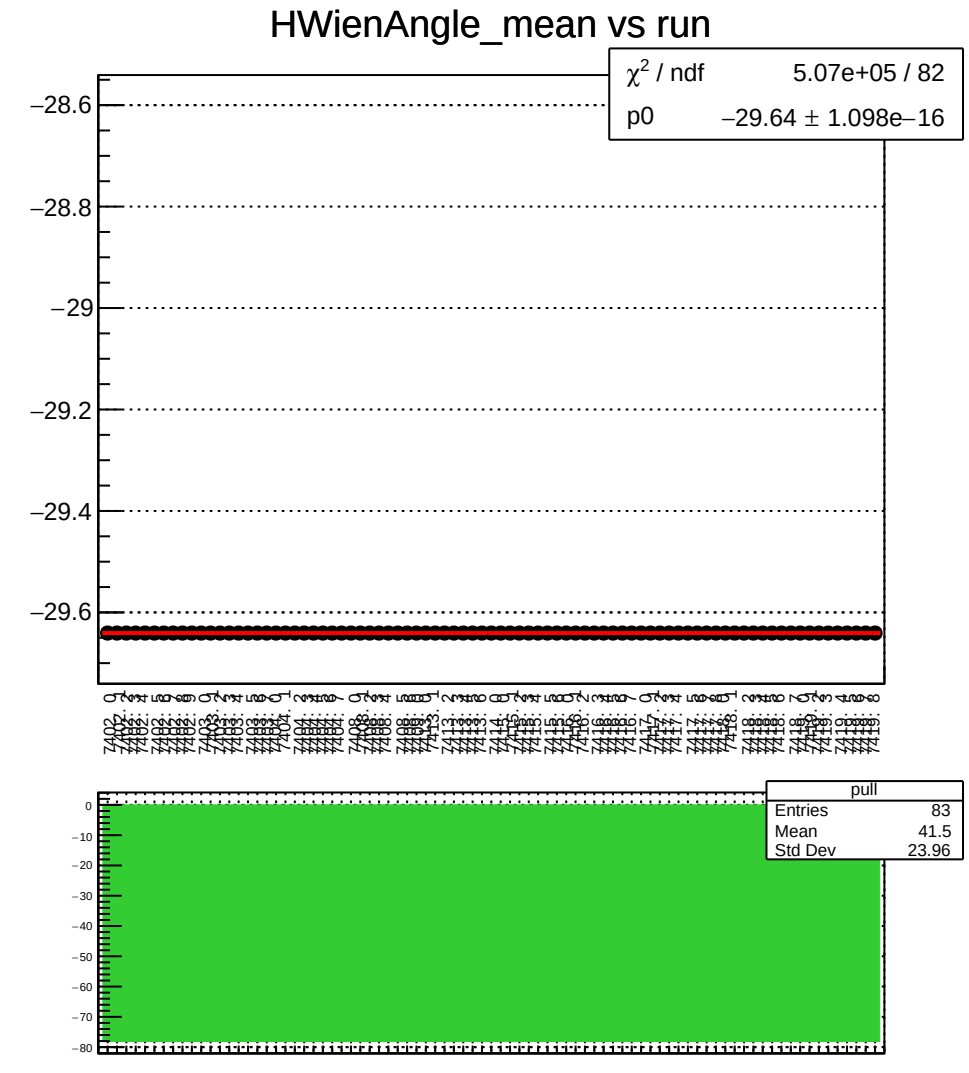

hesDipole_current_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
pull
Entries 83
Mean 41.5
Std Dev 23.96

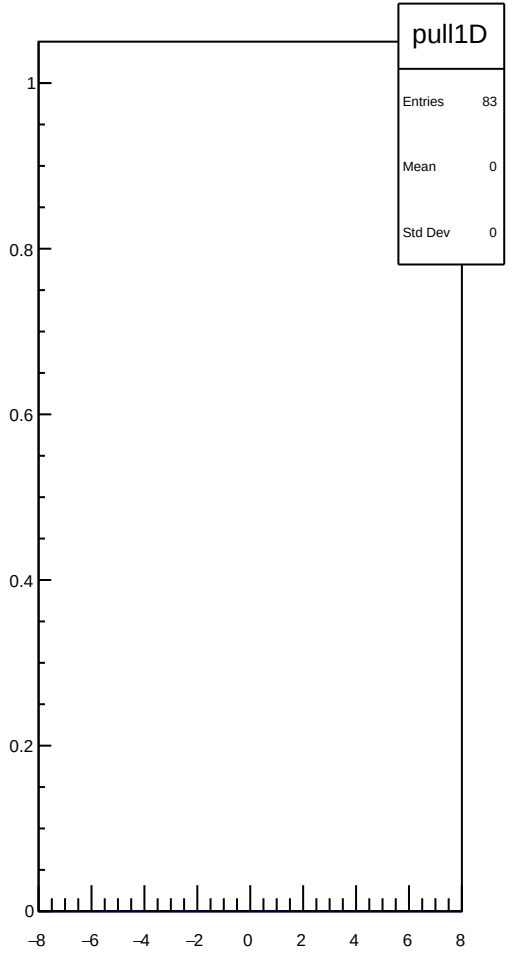

pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

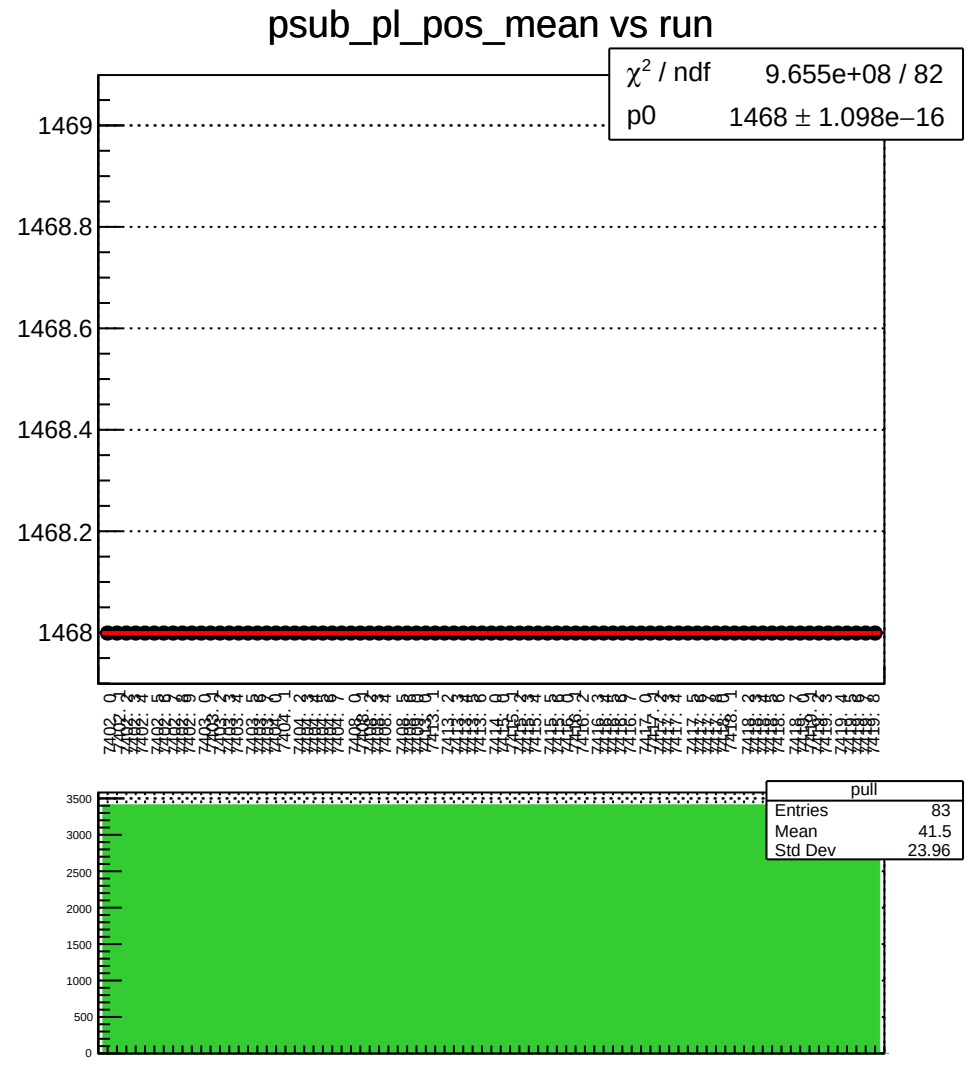

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
pull
Entries 83
Mean 41.5
Std Dev 23.96
pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10

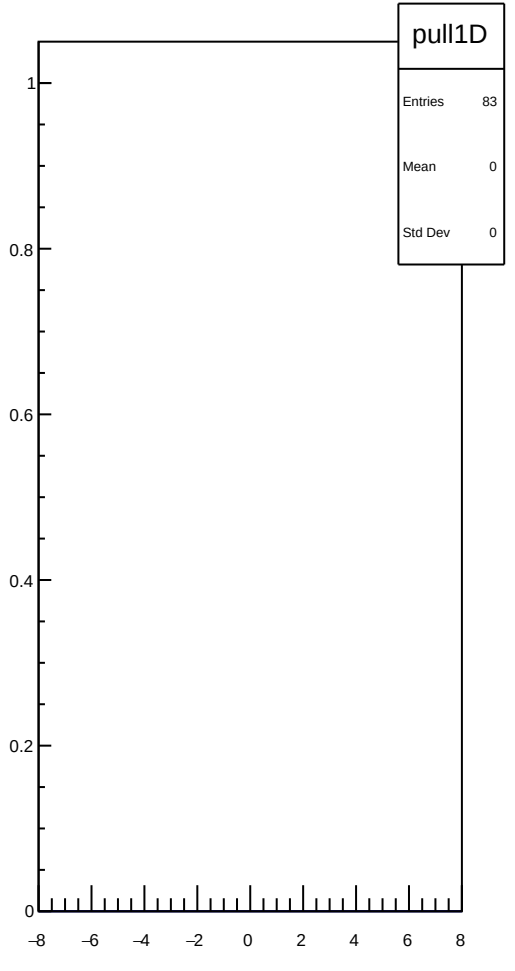

VWienAngle_mean vs run
χ² / ndf 2.414e+06 / 82
p0 −90.6 ± 1.098e−16
−89.6
−89.8
−90
−90.2
−90.4
−90.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
0
−20
−40
−60
−80
−100
−120
−140
−160

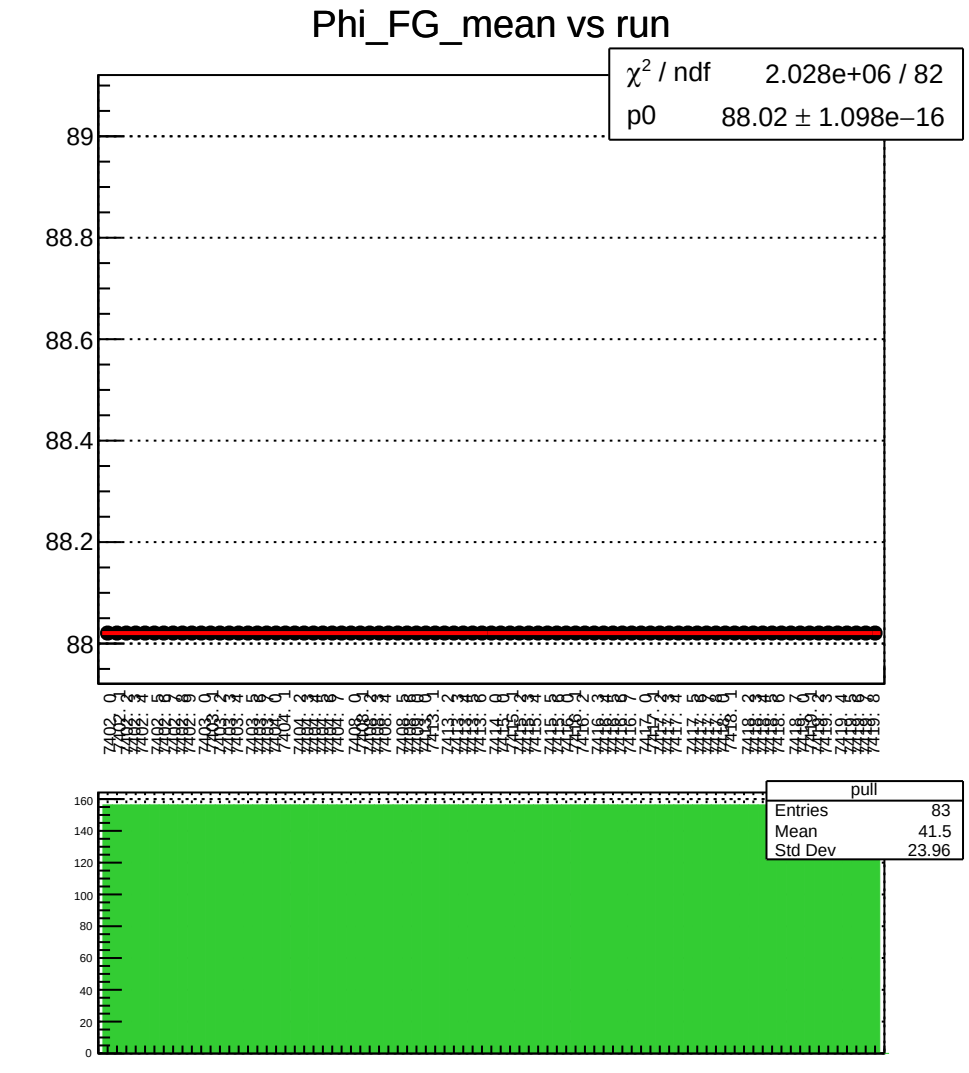

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

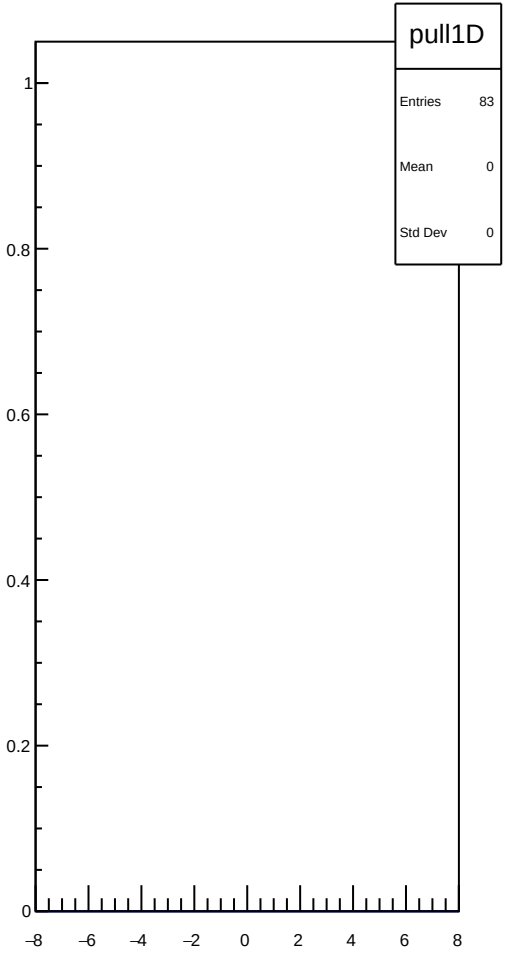

HWienAngle_mean vs run
χ² / ndf 5.07e+05 / 82
p0 −29.64 ± 1.098e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
0
−10
−20
−30
−40
−50
−60
−70
−80

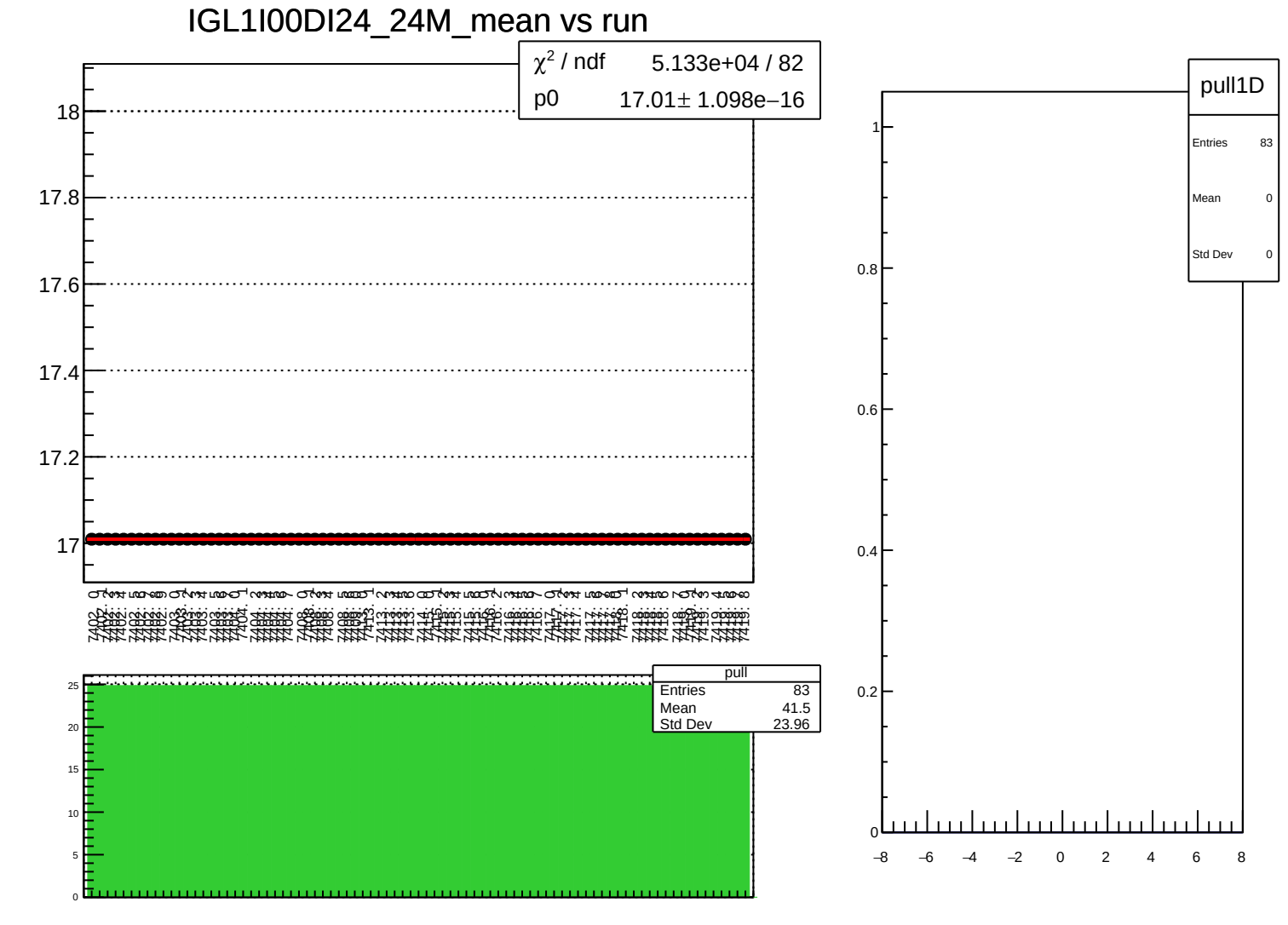

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

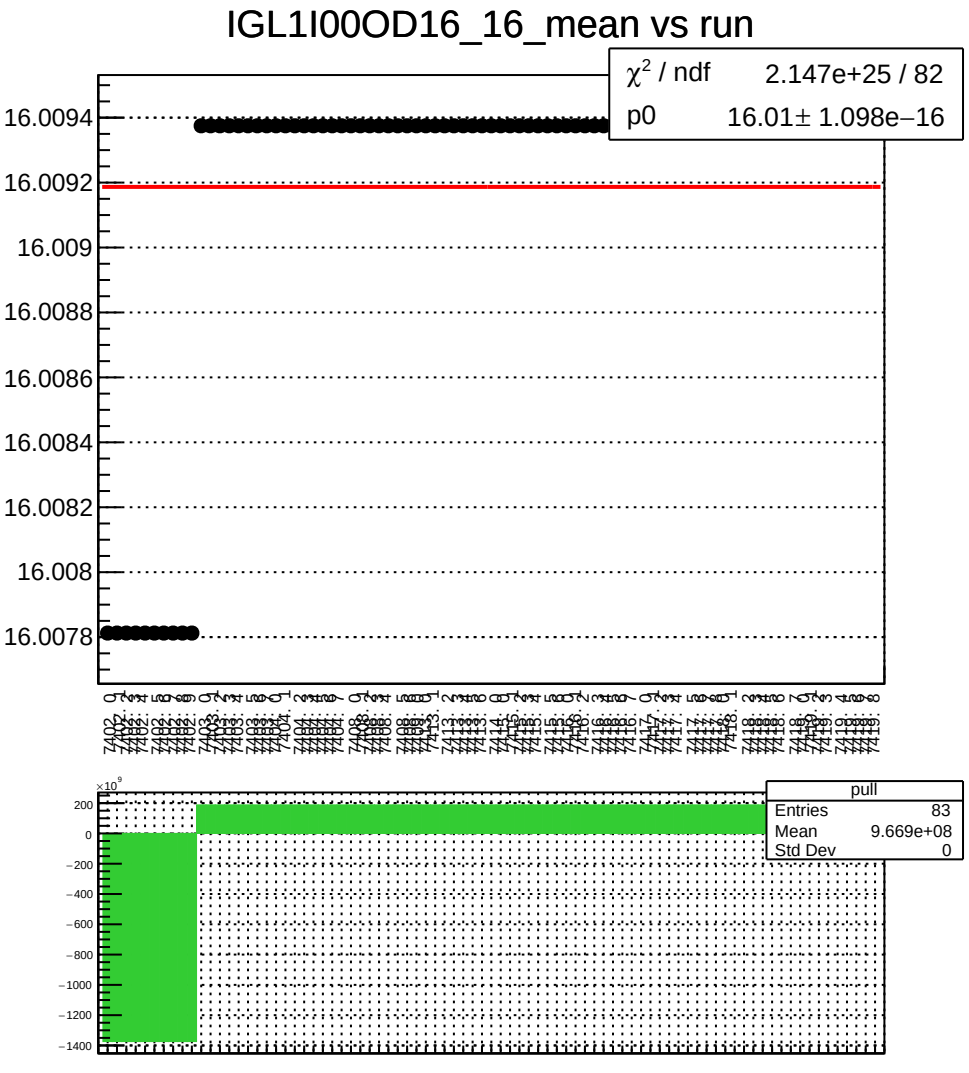

psub_pl_pos_mean vs run
χ² / ndf 9.655e+08 / 82
p0 1468 ± 1.098e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 83
Mean 41.5
Std Dev 23.96
3500
3000
2500
2000
1500
1000
500
0

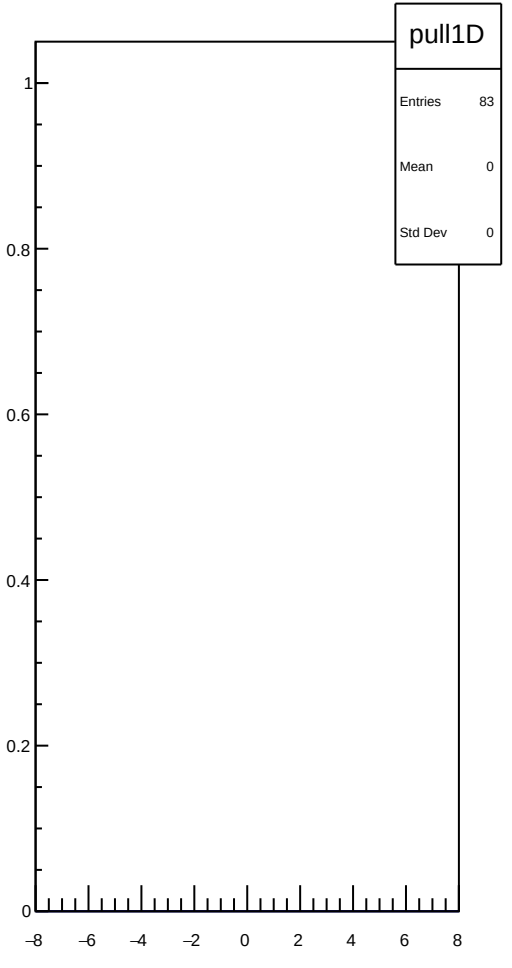

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

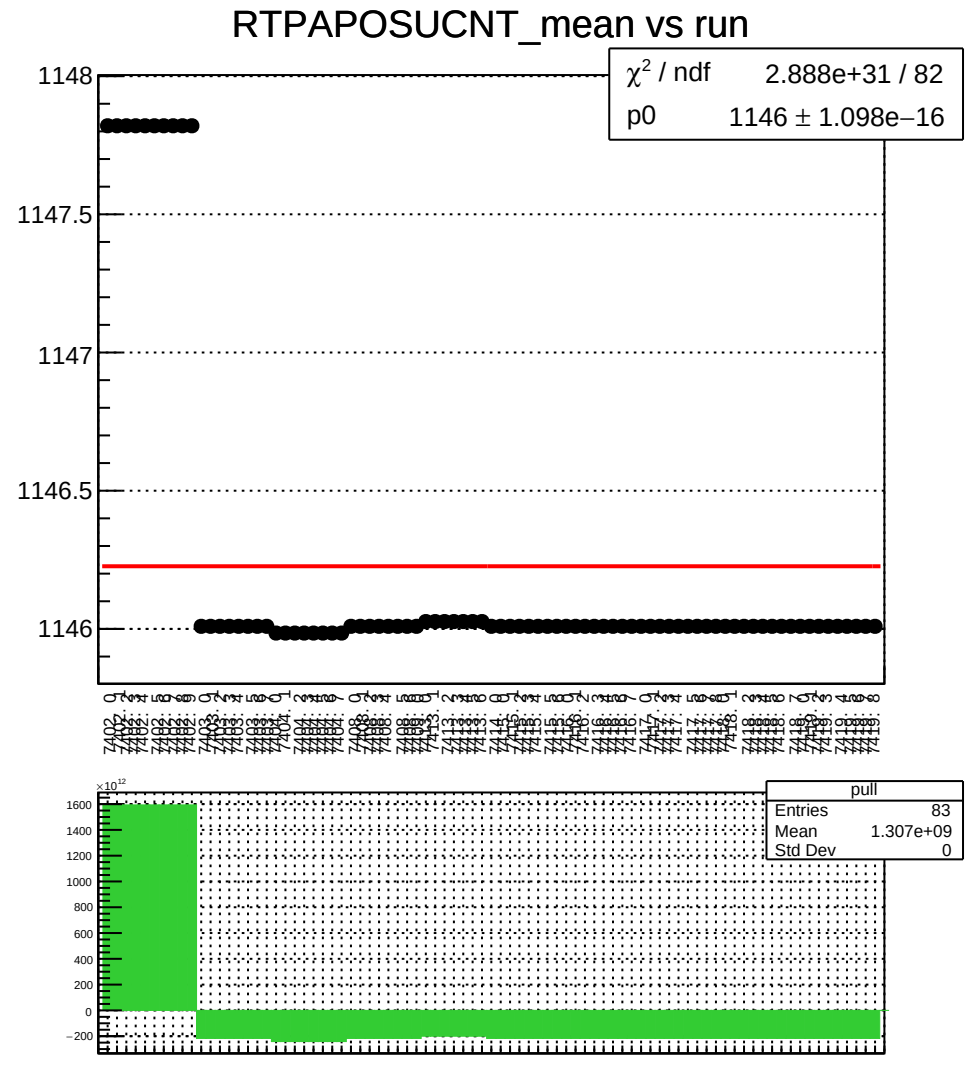

Phi_FG_mean vs run
χ² / ndf 2.028e+06 / 82
p0 88.02 ± 1.098e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 83
Mean 41.5
Std Dev 23.96
160
140
120
100
80
60
40
20
0

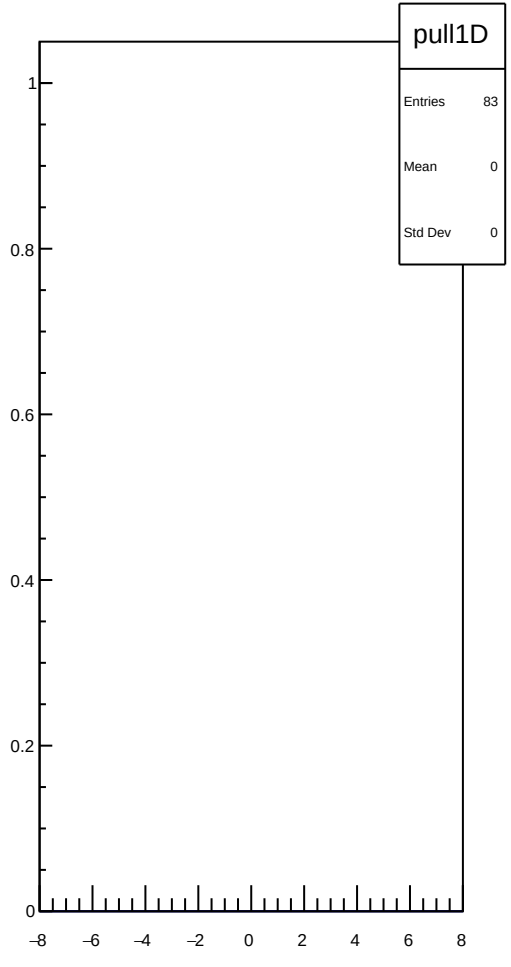

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

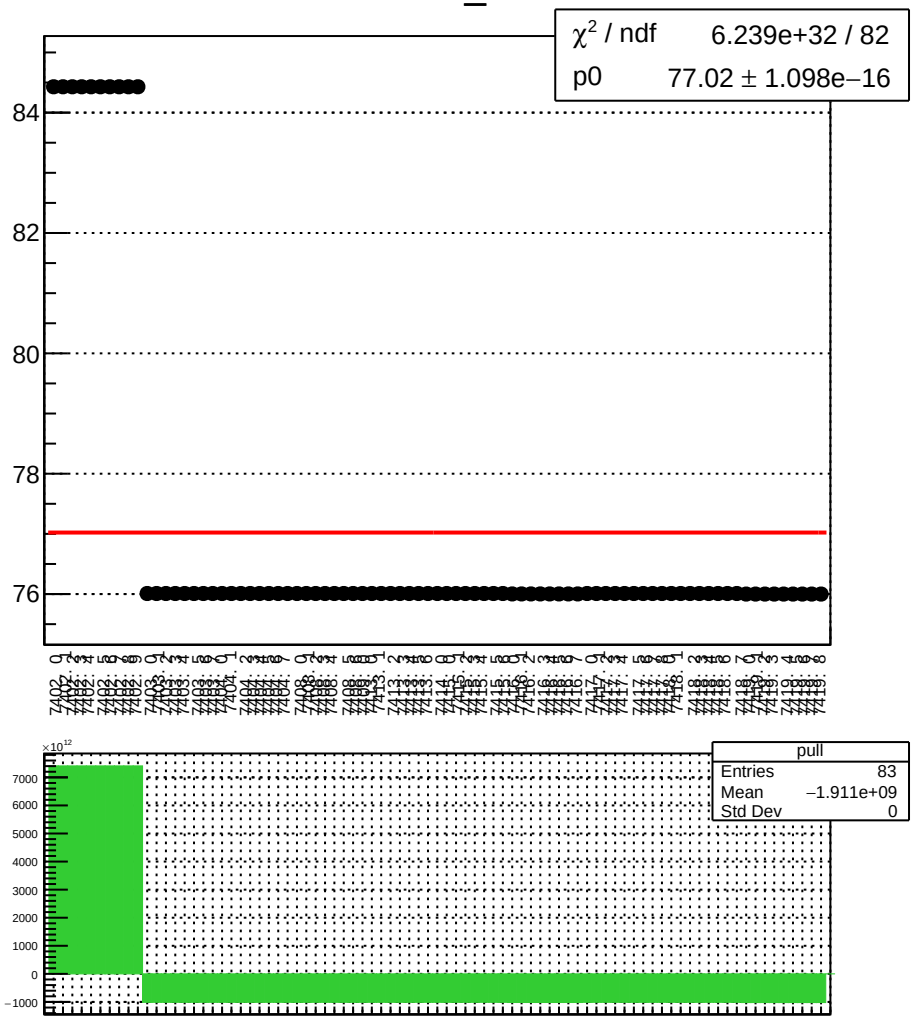

IGL1I00DI24_24M_mean vs run
χ² / ndf 5.133e+04 / 82
p0 17.01± 1.098e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 83
Mean 41.5
Std Dev 23.96
25
20
15
10
5
0
pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

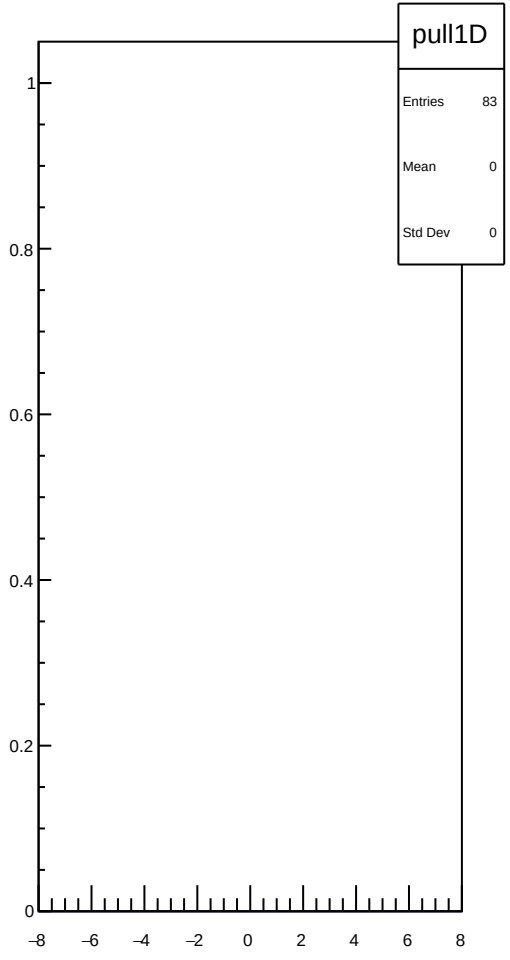

IGL1I00OD16_16_mean vs run
χ² / ndf 2.147e+25 / 82
p0 16.01± 1.098e−16
16.0094
16.0092
16.009
16.0088
16.0086
16.0084
16.0082
16.008
16.0078
pull
Entries 83
Mean 9.669e+08
Std Dev 0
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400

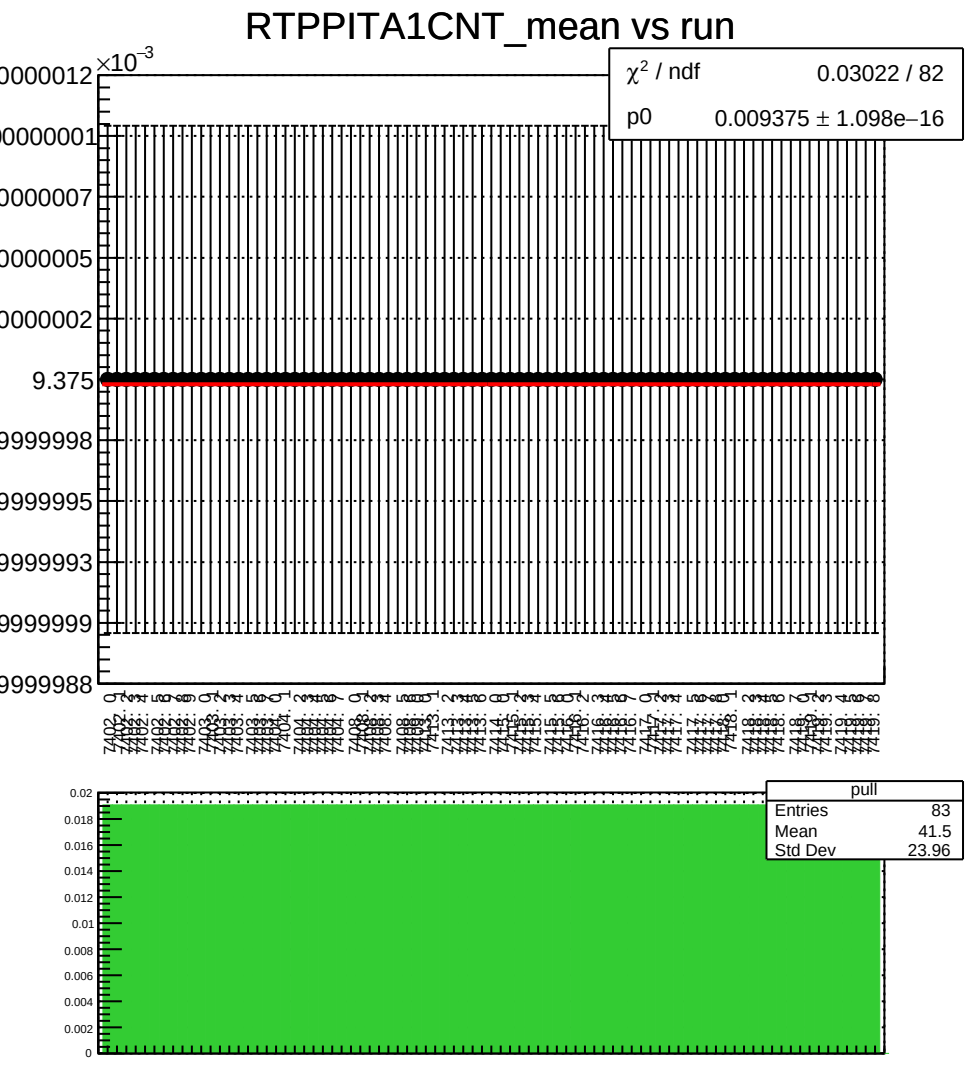

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

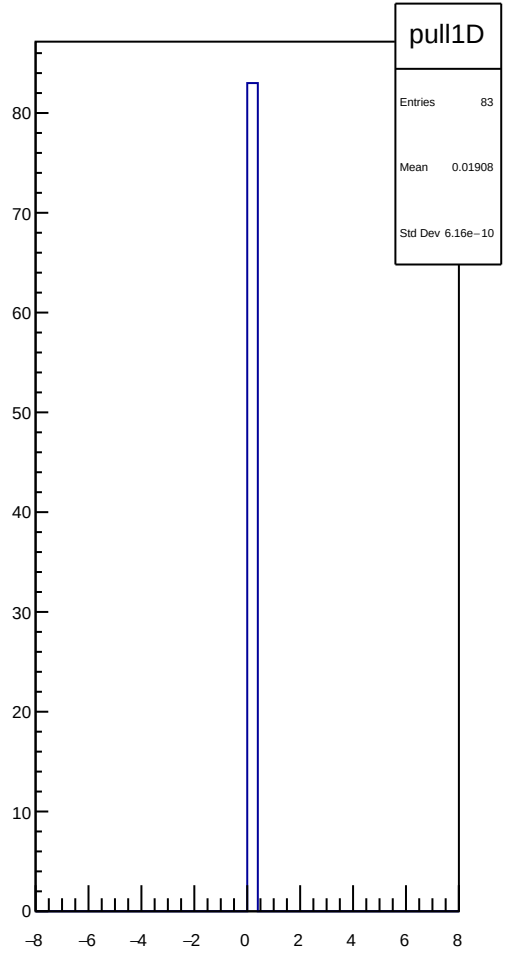

RTPAPOSUCNT_mean vs run
χ² / ndf 2.888e+31 / 82
p0 1146 ± 1.098e−16
1148
1147.5
1147
1146.5
1146
pull
Entries 83
Mean 1.307e+09
Std Dev 0
×10¹²
1600
1400
1200
1000
800
600
400
200
0
−200

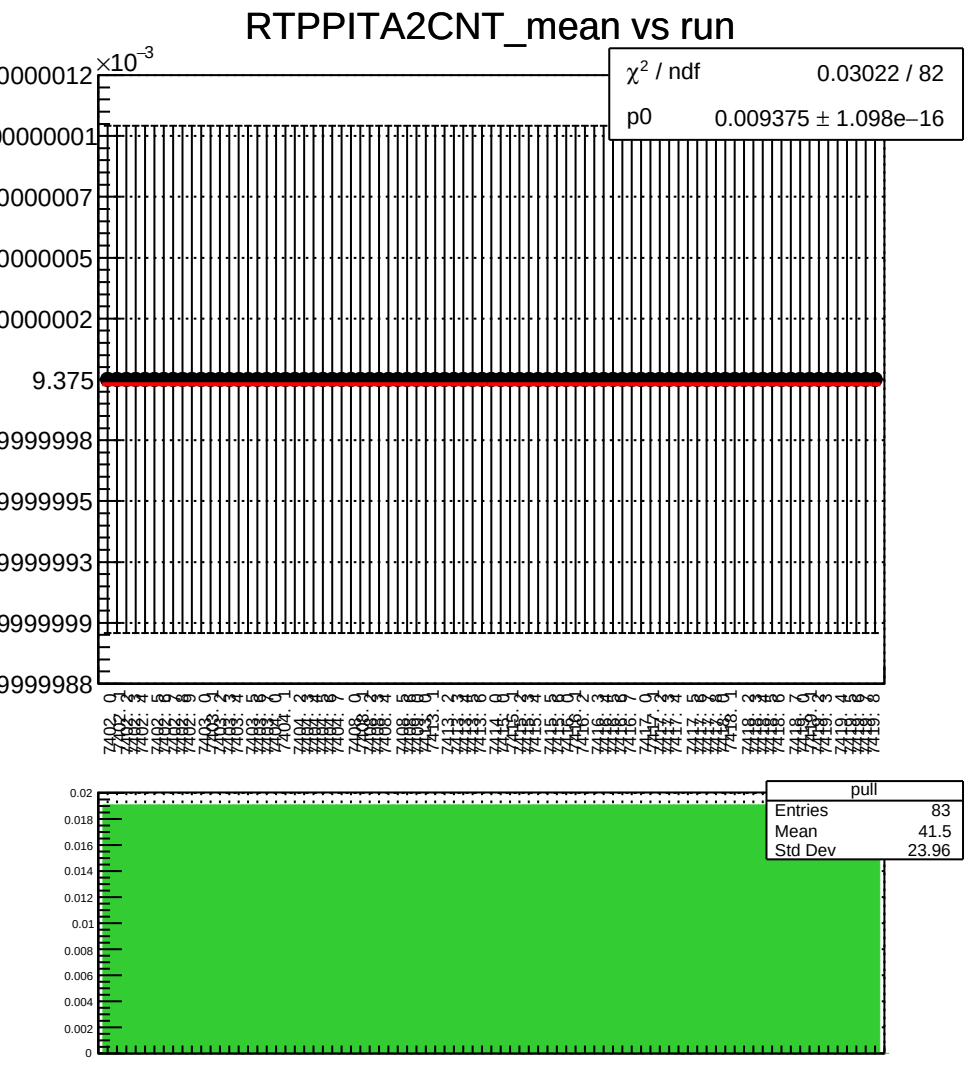

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

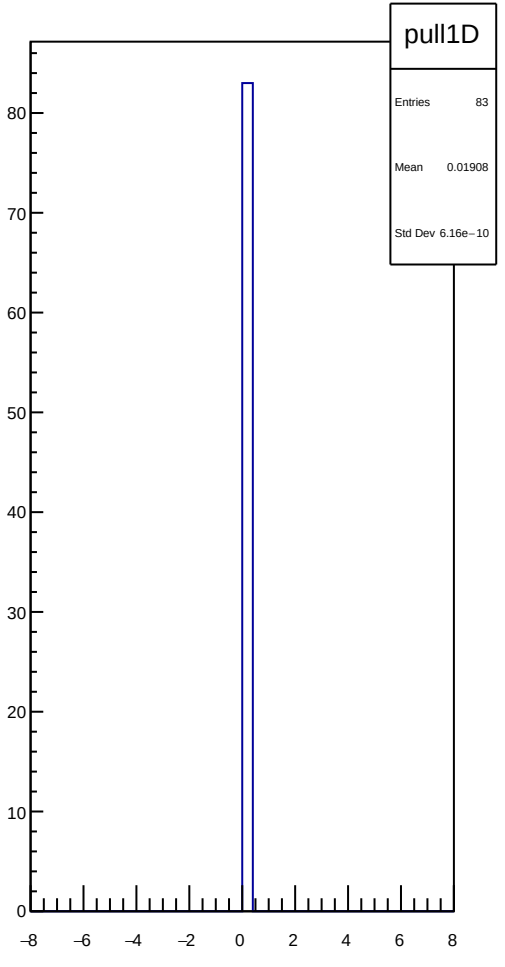

RTPAPOSVCNT_mean vs run
χ² / ndf 6.239e+32 / 82
p0 77.02 ± 1.098e−16
84
82
80
78
76
×10¹²
7000
6000
5000
4000
3000
2000
1000
0
−1000
pull
Entries 83
Mean −1.911e+09
Std Dev 0


pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
pull
Entries 83
Mean 41.5
Std Dev 23.96


pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10


RTPPITA2CNT_mean vs run
χ² / ndf 0.03022 / 82
p0 0.009375 ± 1.098e−16
×10⁻³
pull
Entries 83
Mean 41.5
Std Dev 23.96


pull1D
Entries 83
Mean 0.01908
Std Dev 6.16e−10