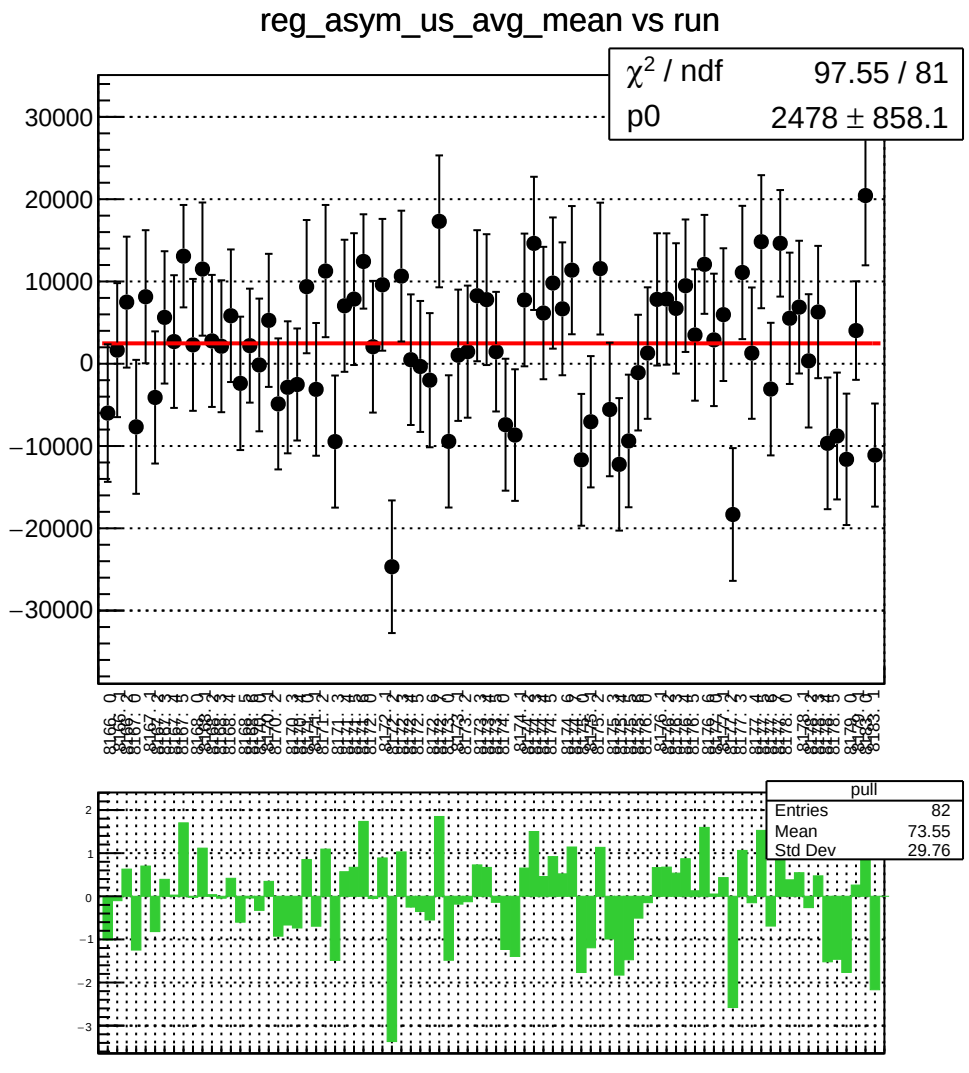
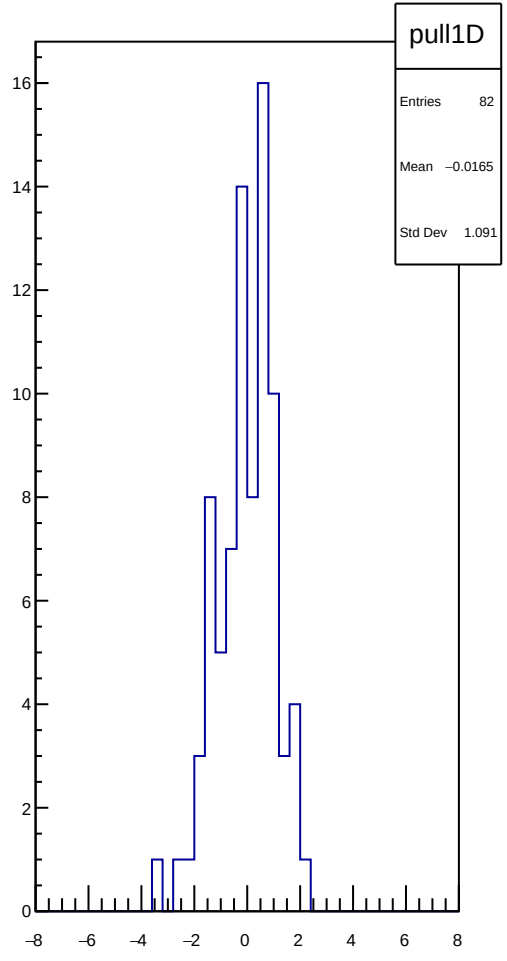
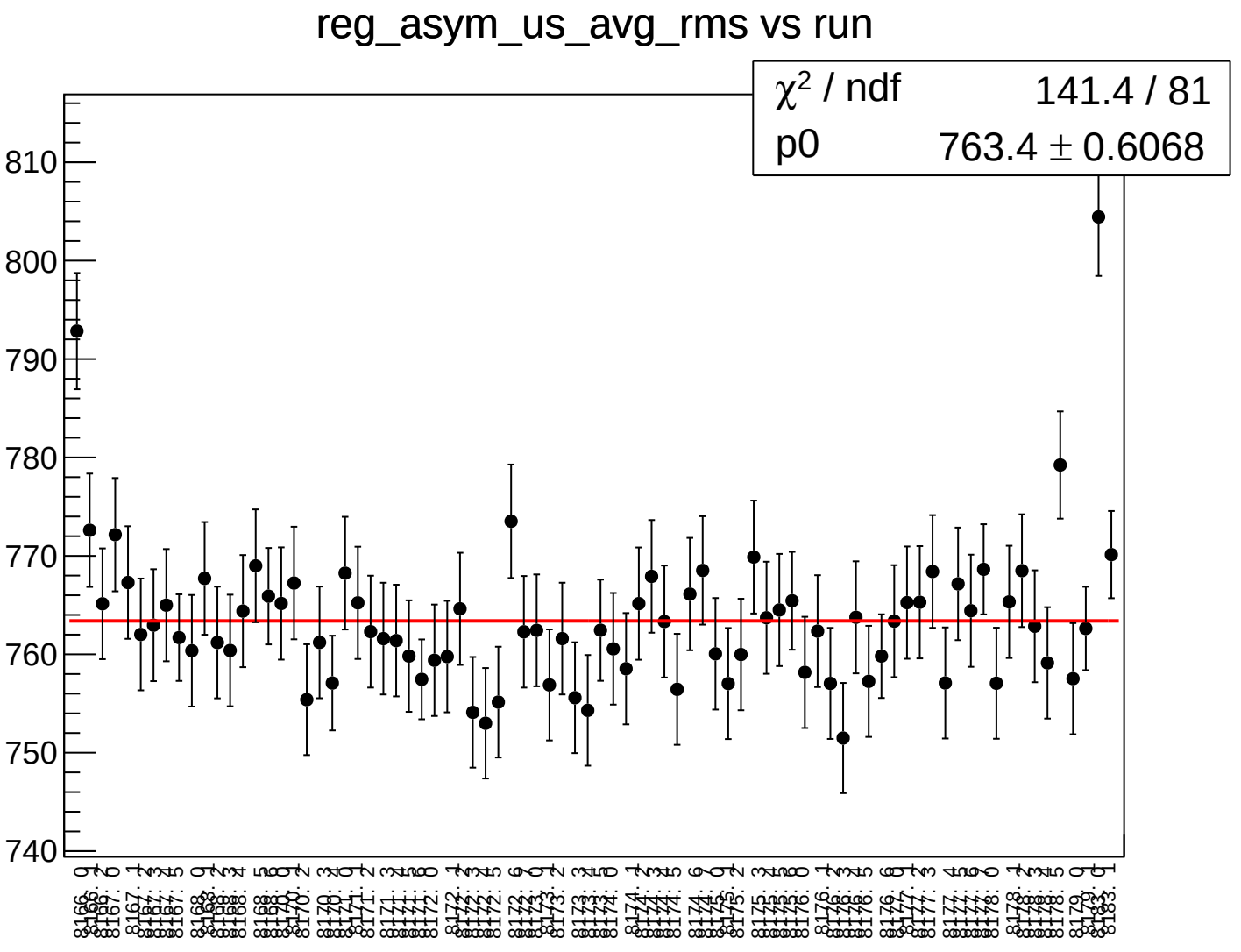
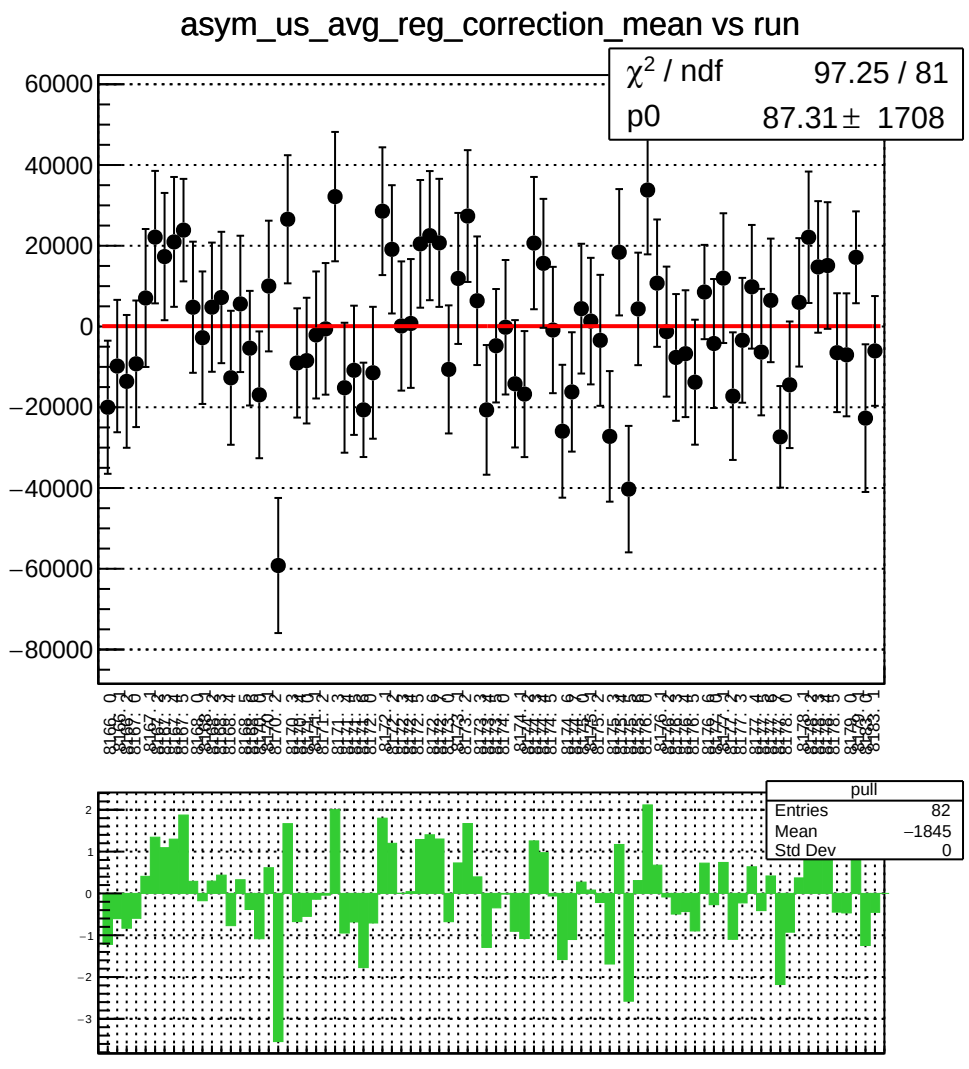
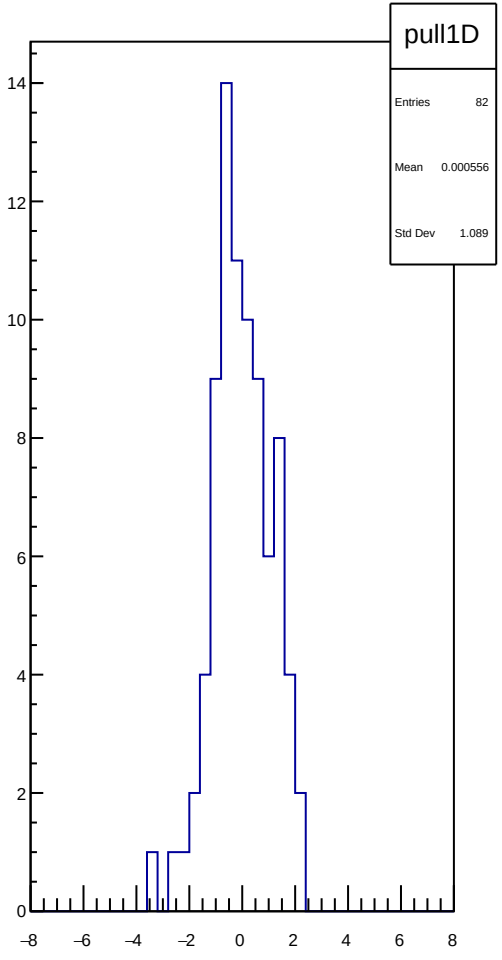
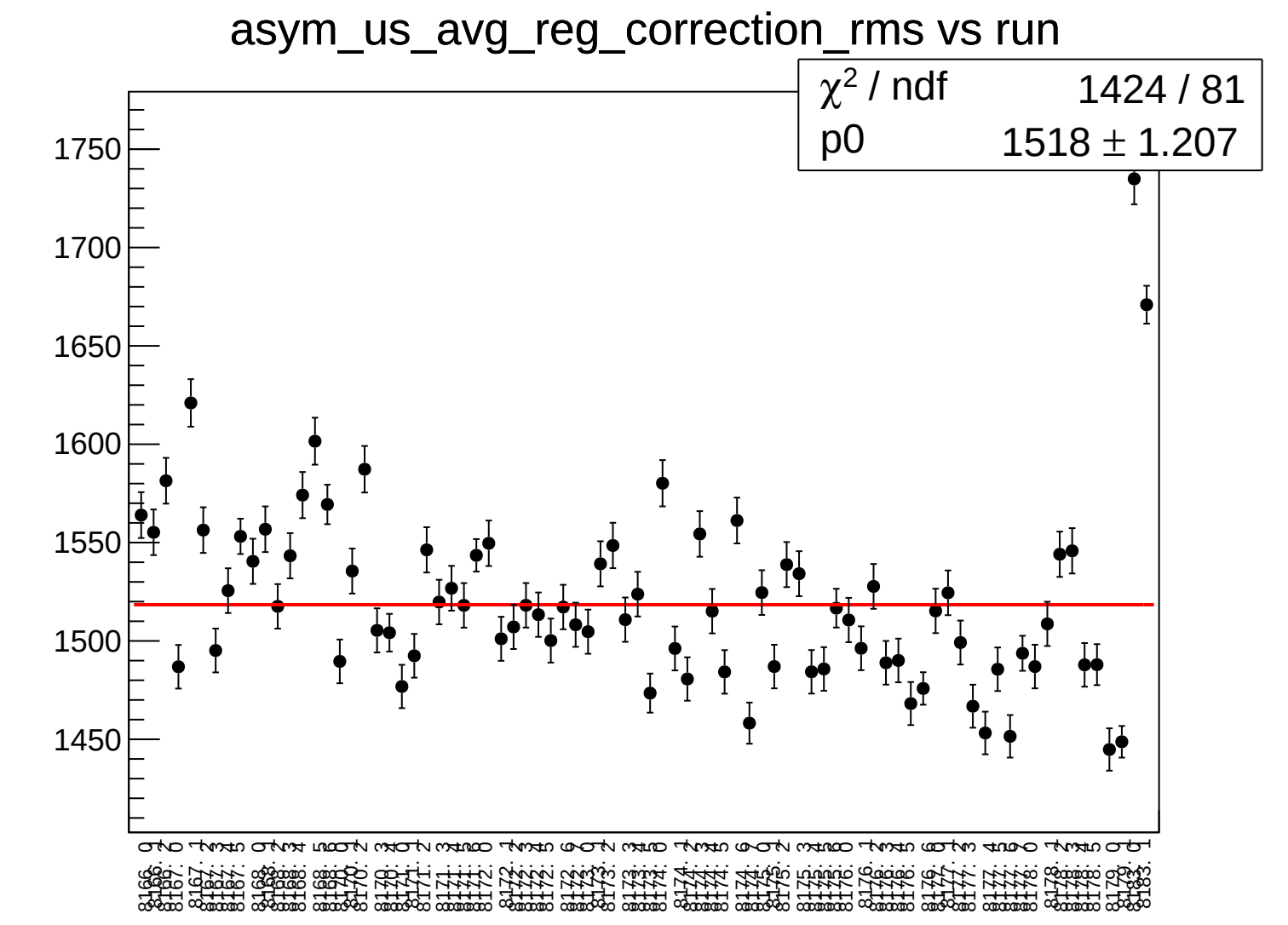

reg_asym_us_avg_mean vs run
χ² / ndf 97.55 / 81
p0 2478 ± 858.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 73.55
Std Dev 29.76
2
1
0
−1
−2
−3

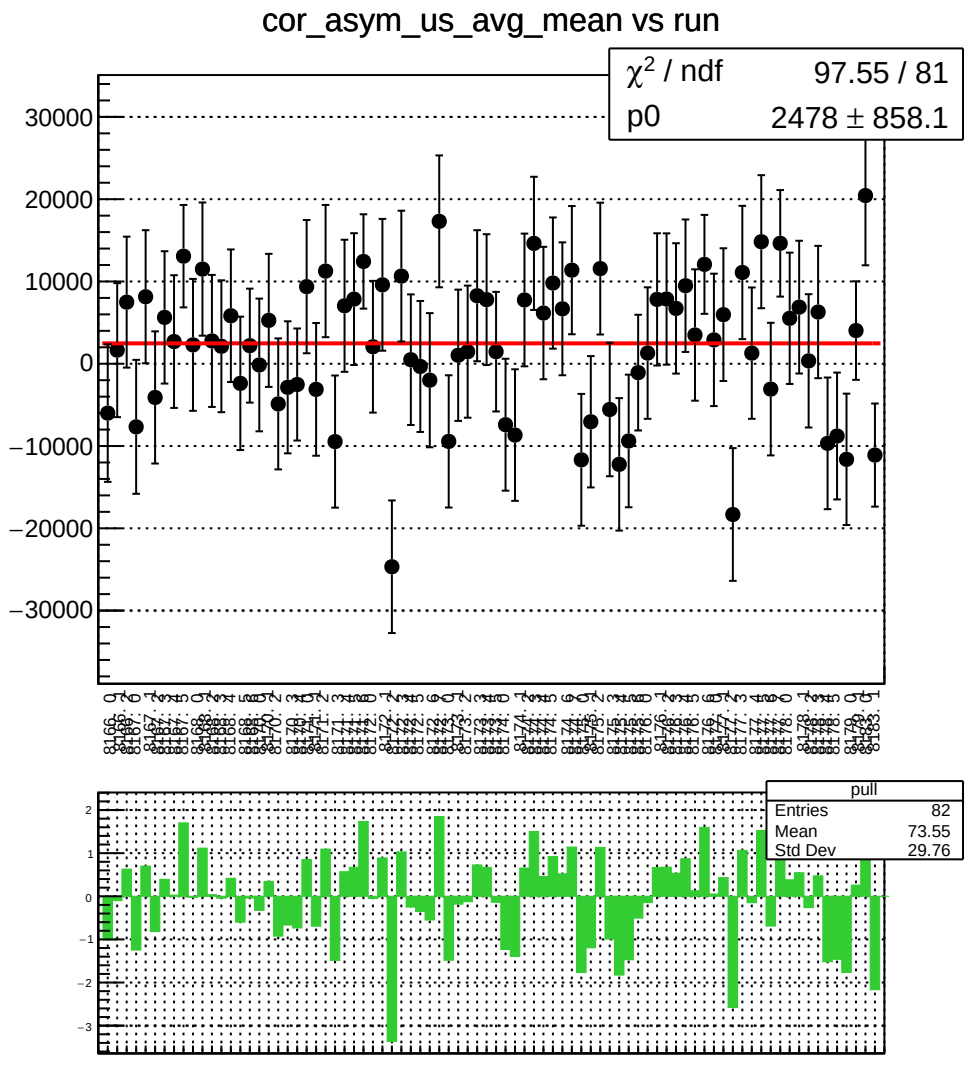

pull1D
Entries 82
Mean −0.0165
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

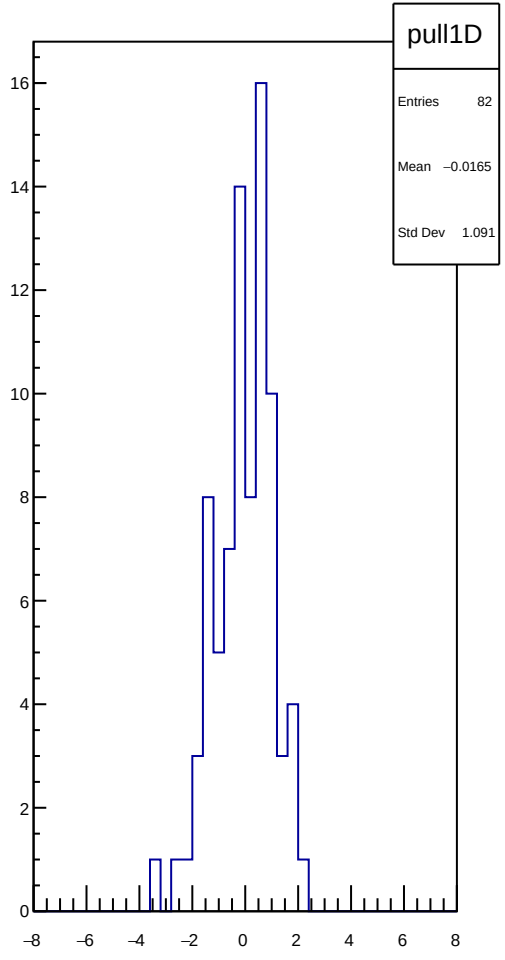

reg_asym_us_avg_rms vs run
χ^2 / ndf 141.4 / 81
p0 763.4 ± 0.6068
810
800
790
780
770
760
750
740

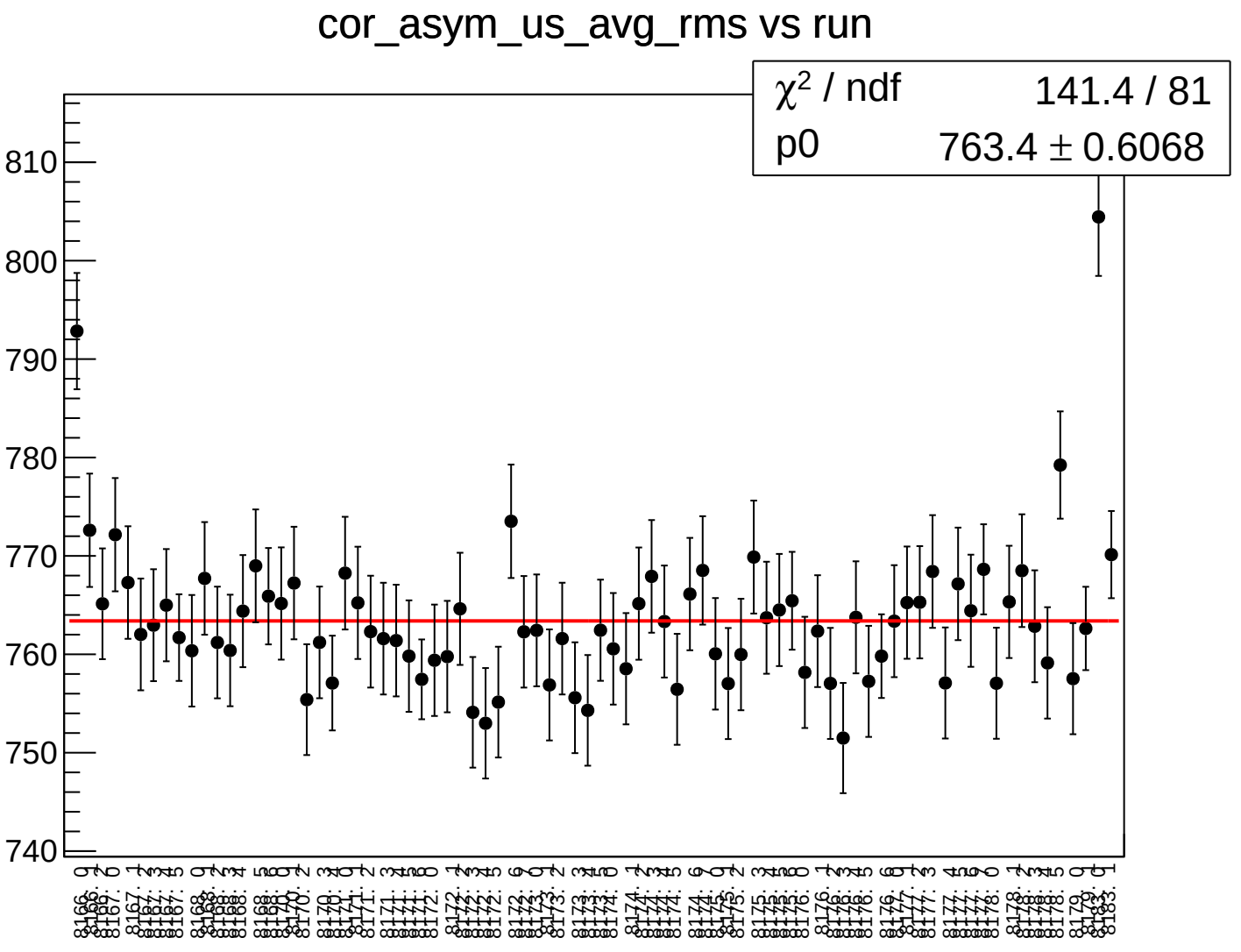

asym_us_avg_reg_correction_mean vs run
χ² / ndf 97.25 / 81
p0 87.31 ± 1708
pull
Entries 82
Mean −1845
Std Dev 0

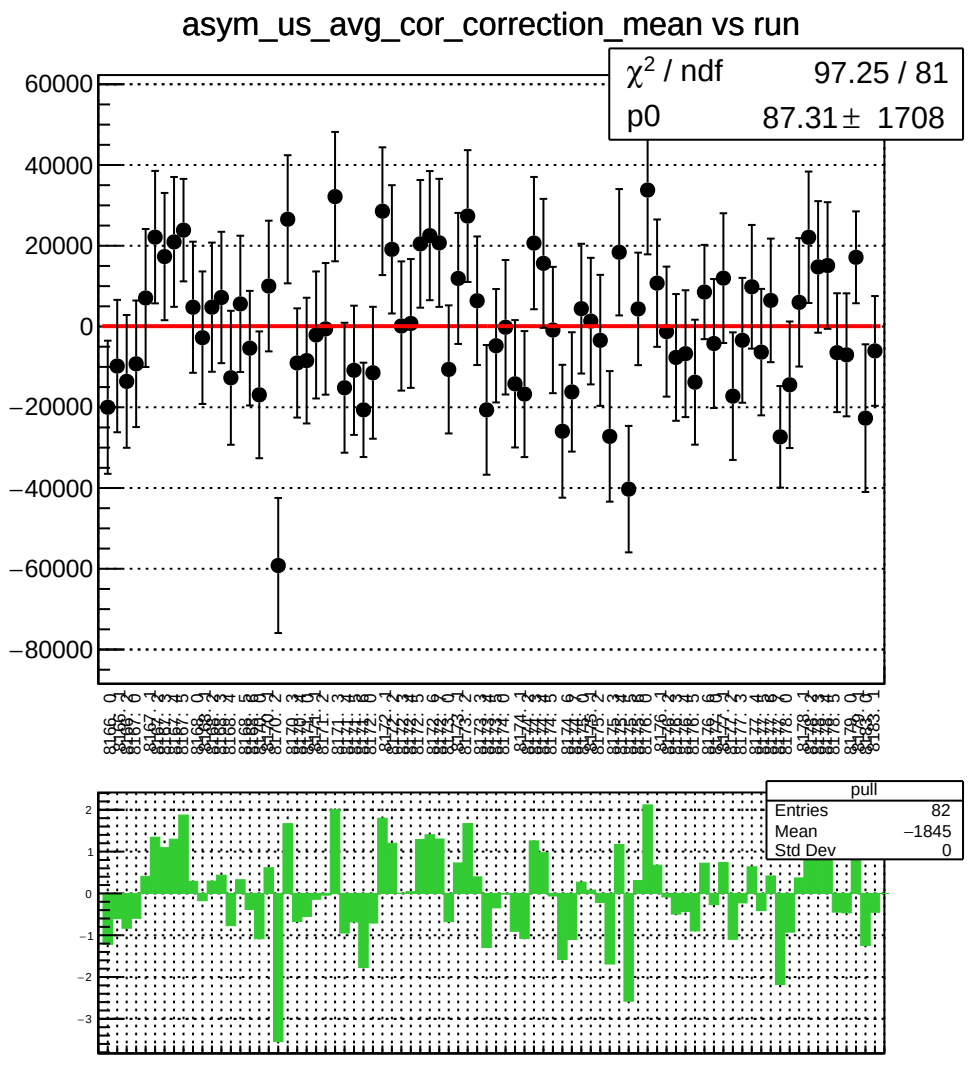

pull1D
Entries 82
Mean 0.000556
Std Dev 1.089

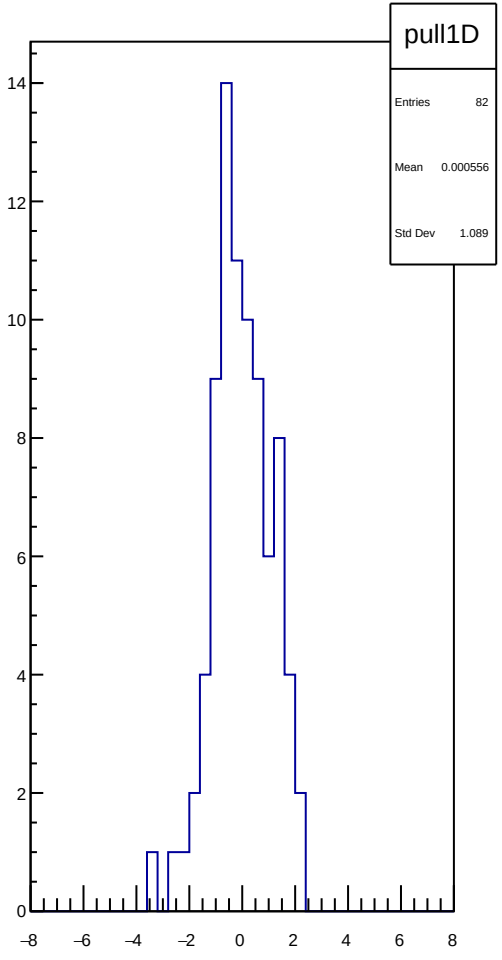

asym_us_avg_reg_correction_rms vs run
χ² / ndf 1424 / 81
p0 1518 ± 1.207
1750
1700
1650
1600
1550
1500
1450

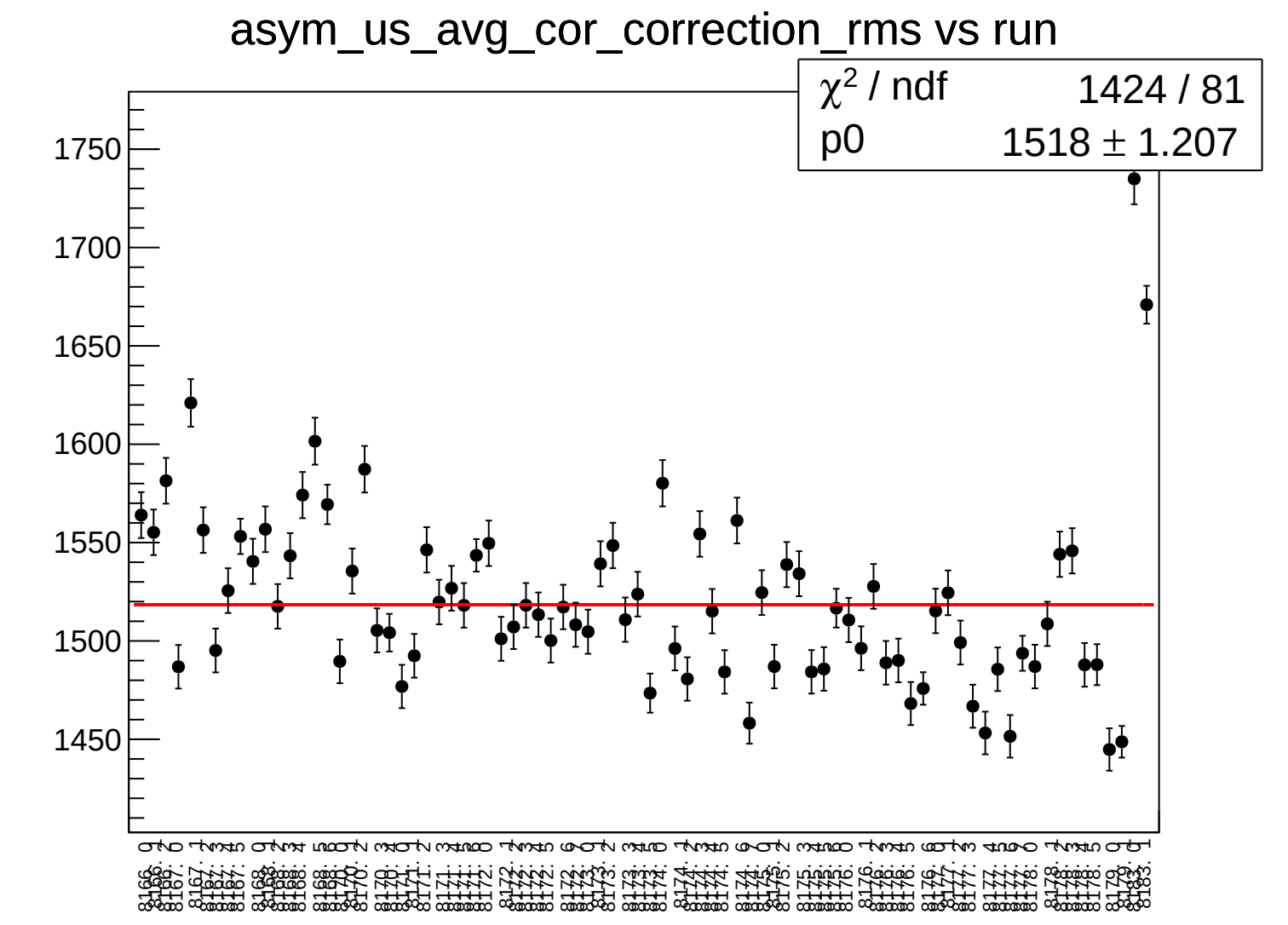

cor_asym_us_avg_mean vs run
χ² / ndf 97.55 / 81
p0 2478 ± 858.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 73.55
Std Dev 29.76
2
1
0
−1
−2
−3

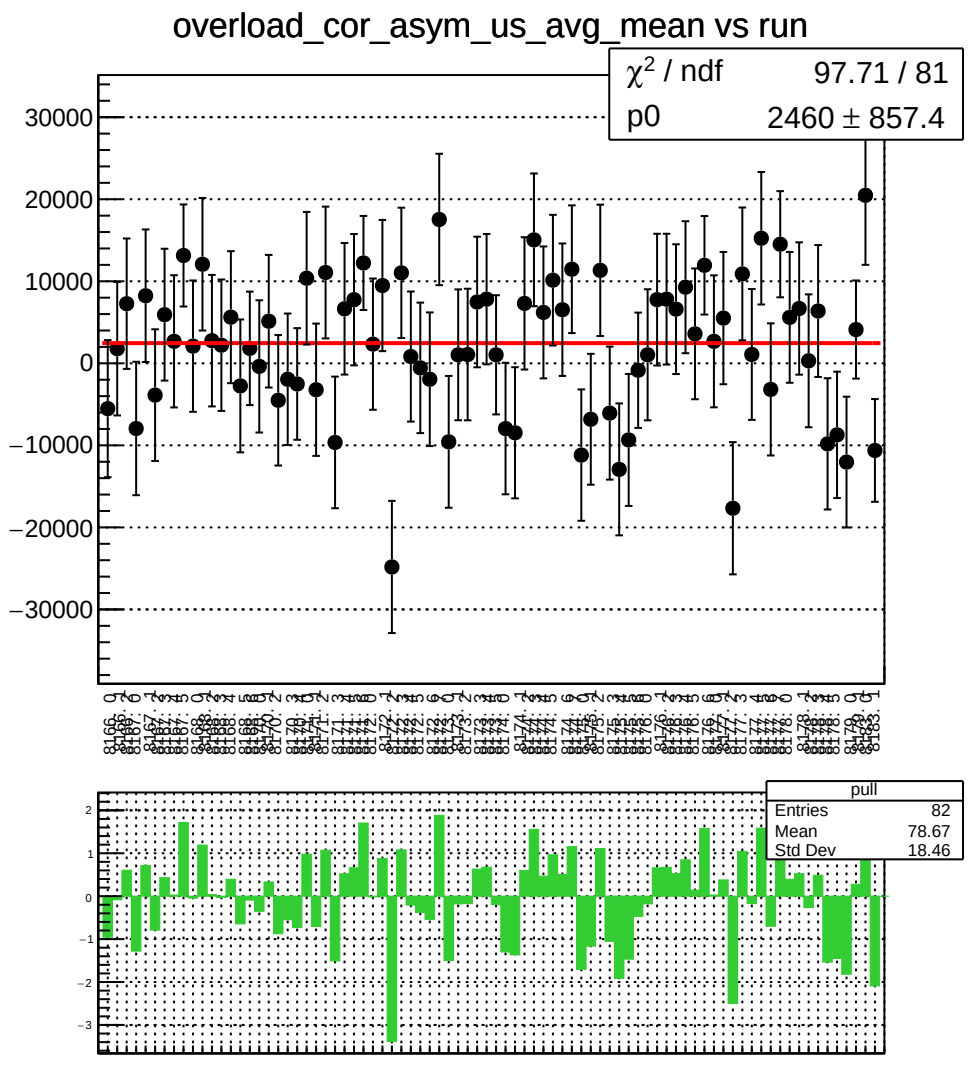

pull1D
Entries 82
Mean −0.0165
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

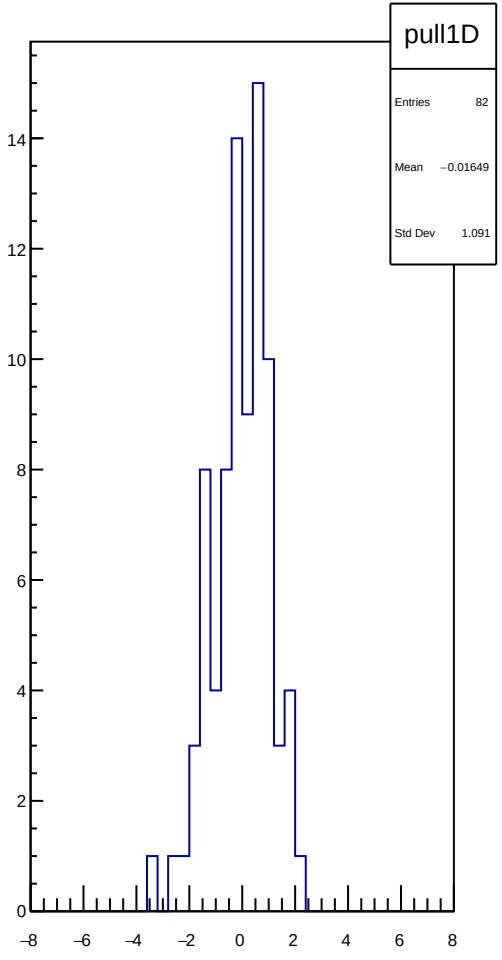

cor_asym_us_avg_rms vs run
χ^2 / ndf 141.4 / 81
p0 763.4 ± 0.6068
810
800
790
780
770
760
750
740

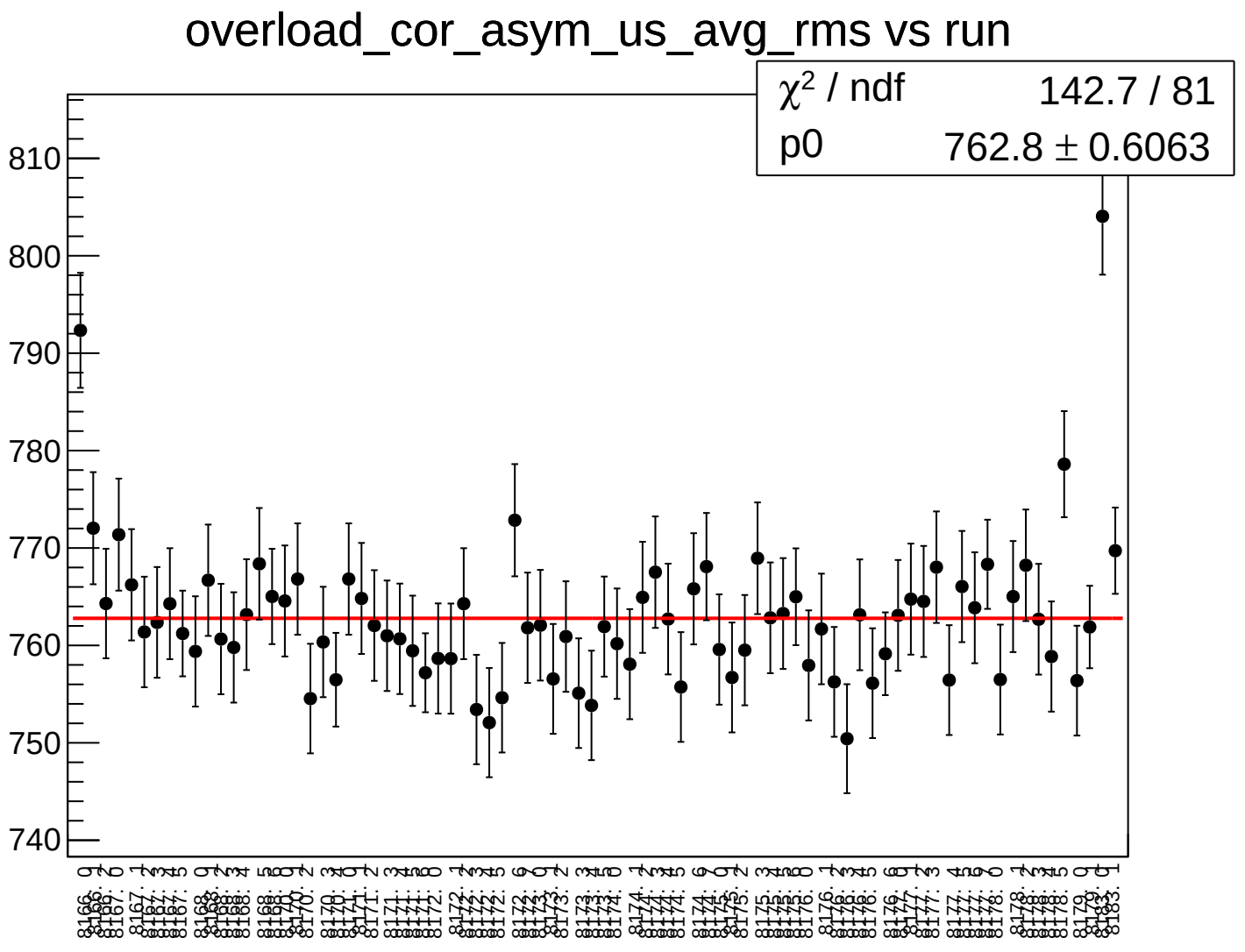

asym_us_avg_cor_correction_mean vs run
χ² / ndf 97.25 / 81
p0 87.31 ± 1708
pull
Entries 82
Mean −1845
Std Dev 0

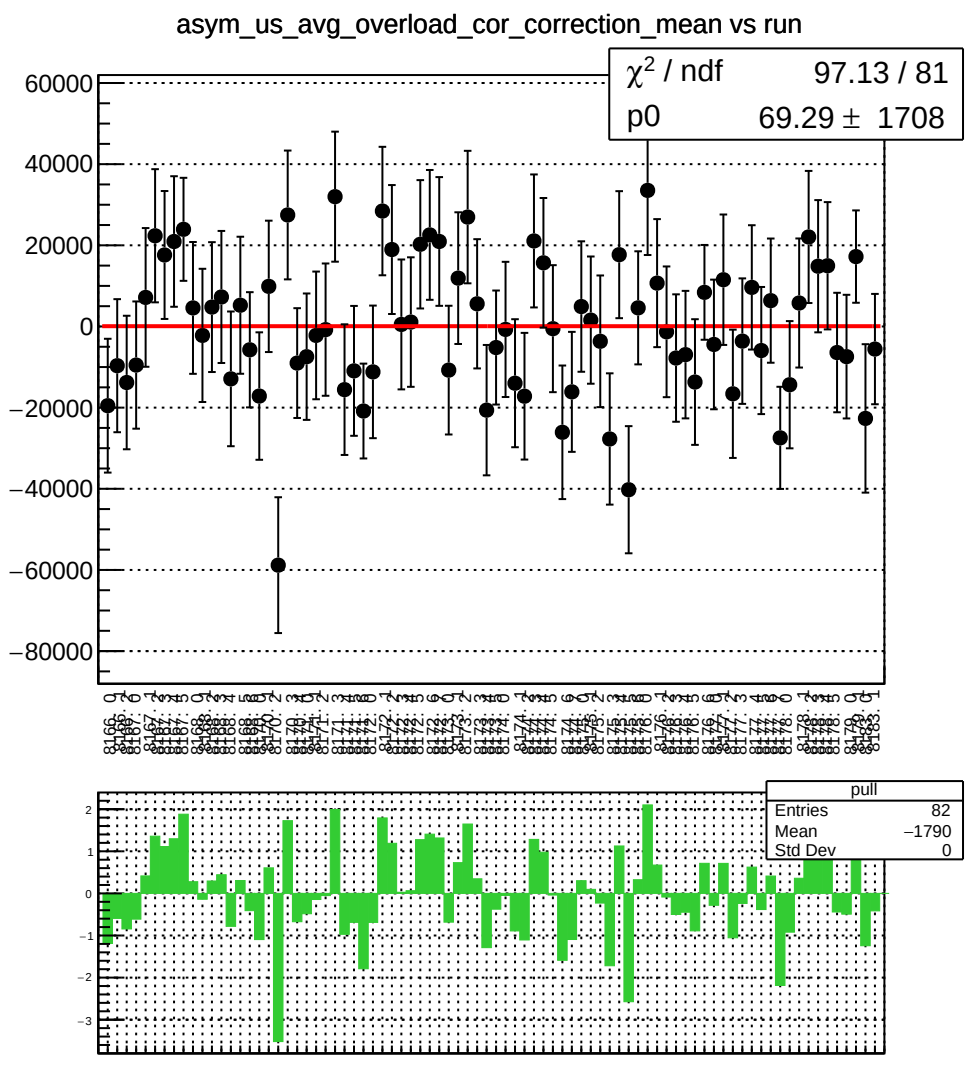

pull1D
Entries 82
Mean 0.000556
Std Dev 1.089

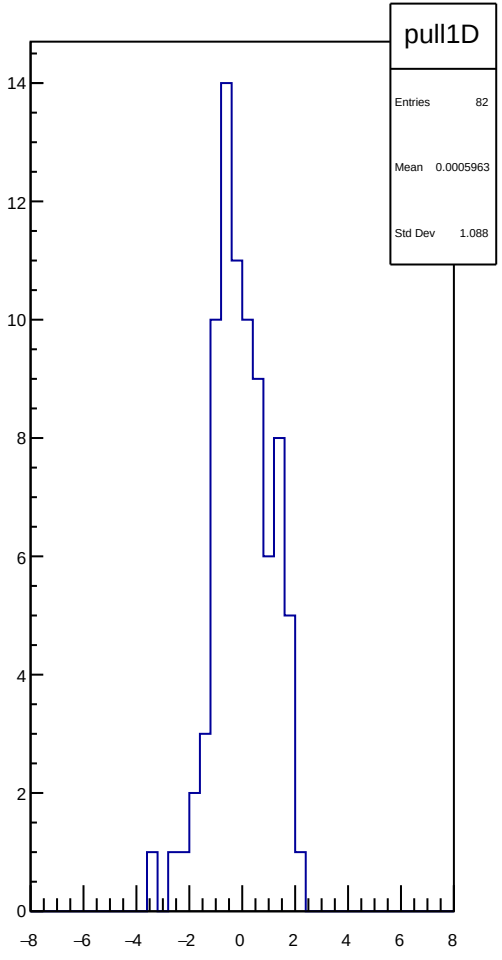

asym_us_avg_cor_correction_rms vs run
χ^2 / ndf 1424 / 81
p0 1518 ± 1.207
1750
1700
1650
1600
1550
1500
1450

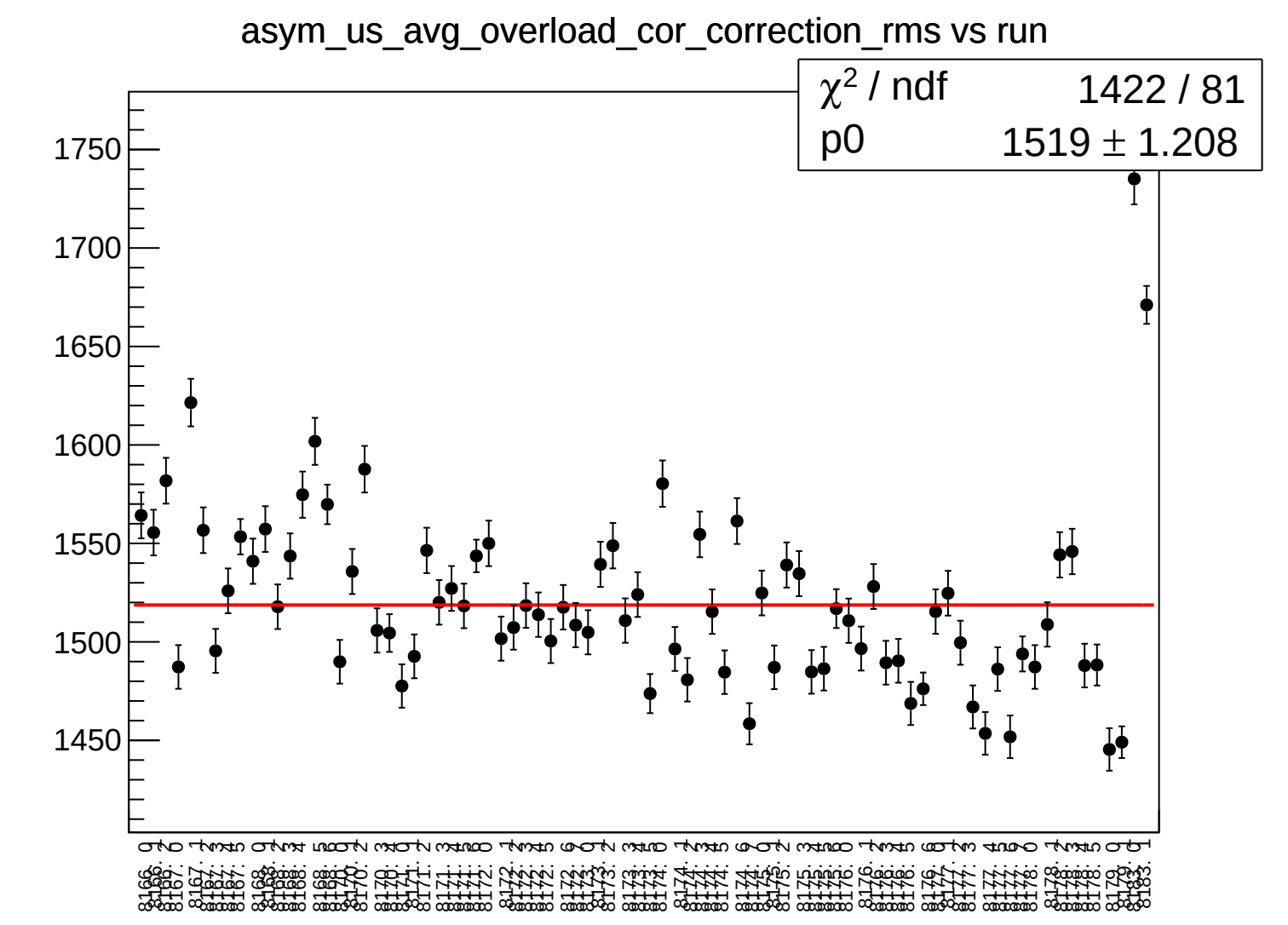

overload_cor_asym_us_avg_mean vs run
χ² / ndf 97.71 / 81
p0 2460 ± 857.4
pull
Entries 82
Mean 78.67
Std Dev 18.46

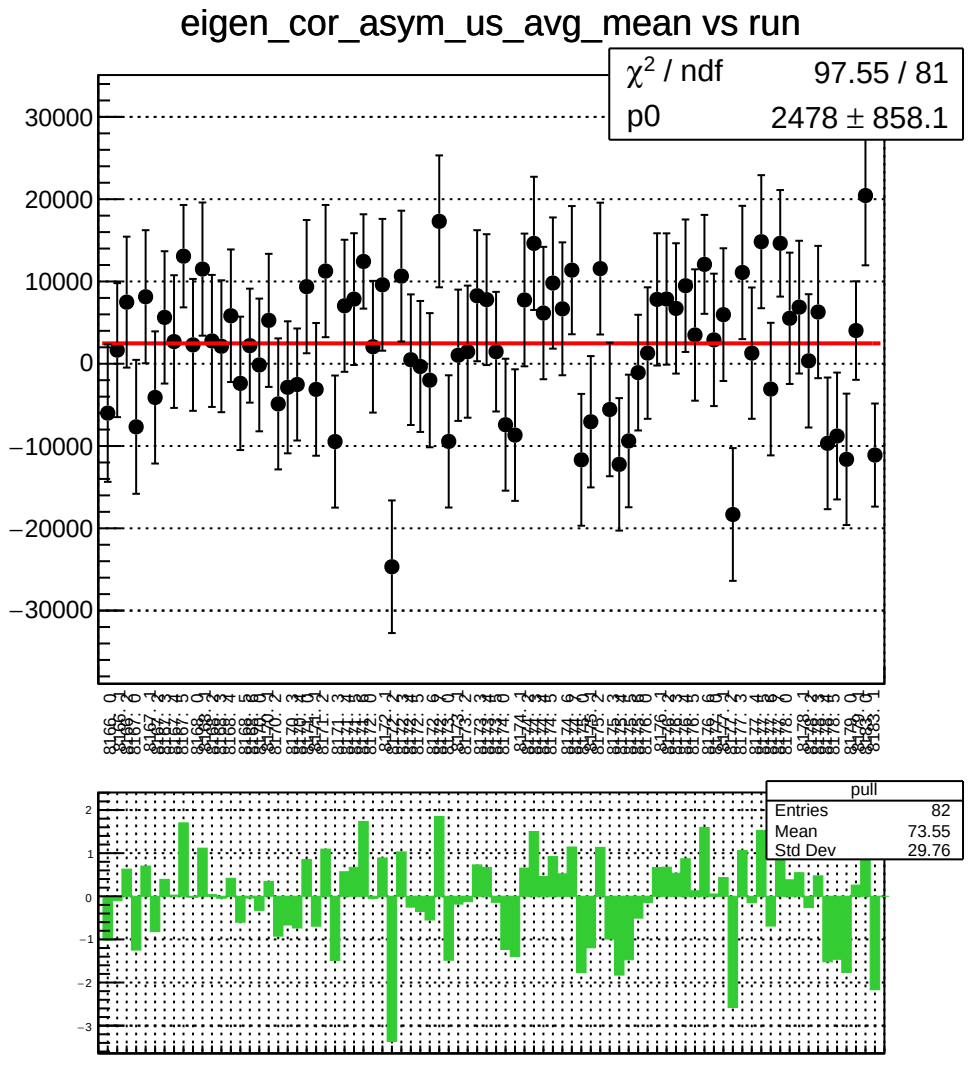

pull1D
Entries 82
Mean −0.01649
Std Dev 1.091

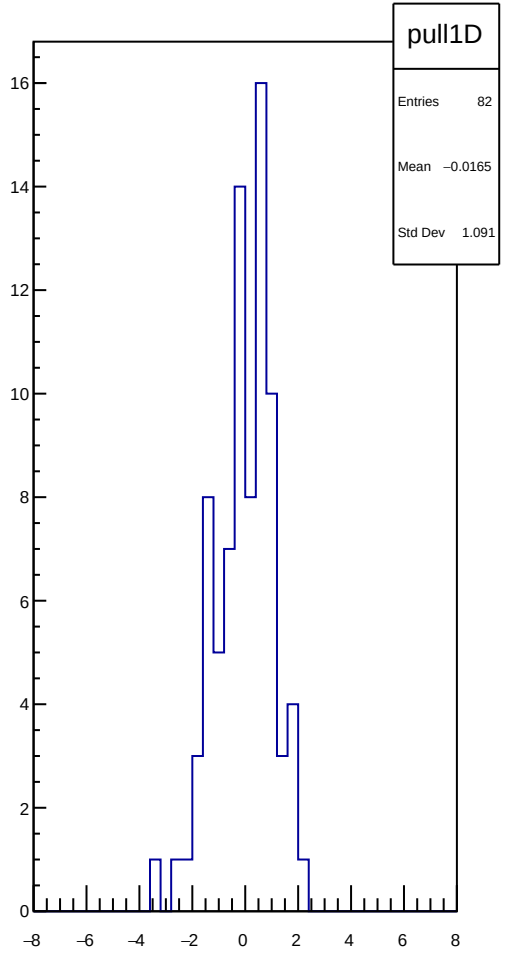

overload_cor_asym_us_avg_rms vs run
χ² / ndf 142.7 / 81
p0 762.8 ± 0.6063
810
800
790
780
770
760
750
740

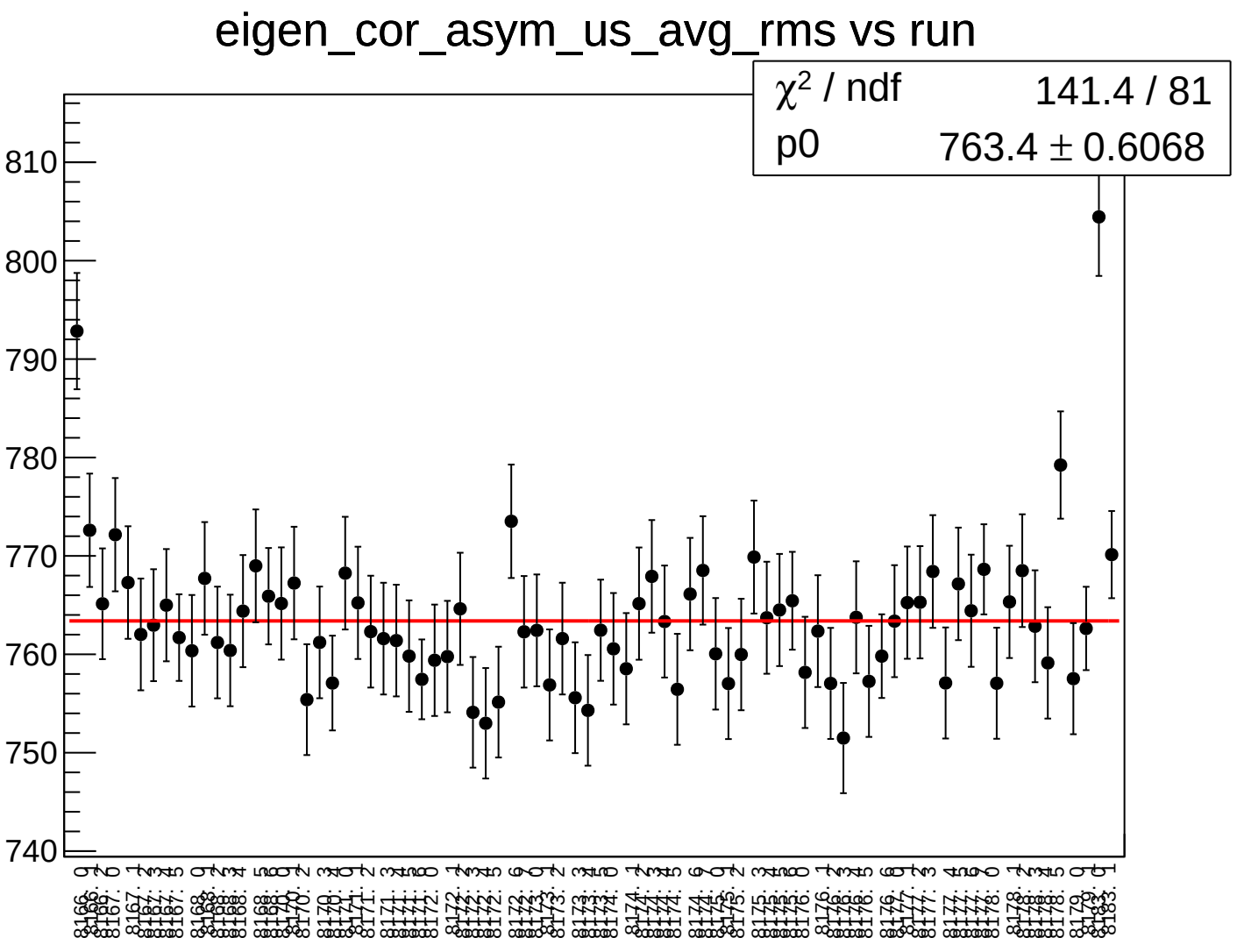

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 97.13 / 81
p0 69.29 ± 1708
pull
Entries 82
Mean −1790
Std Dev 0

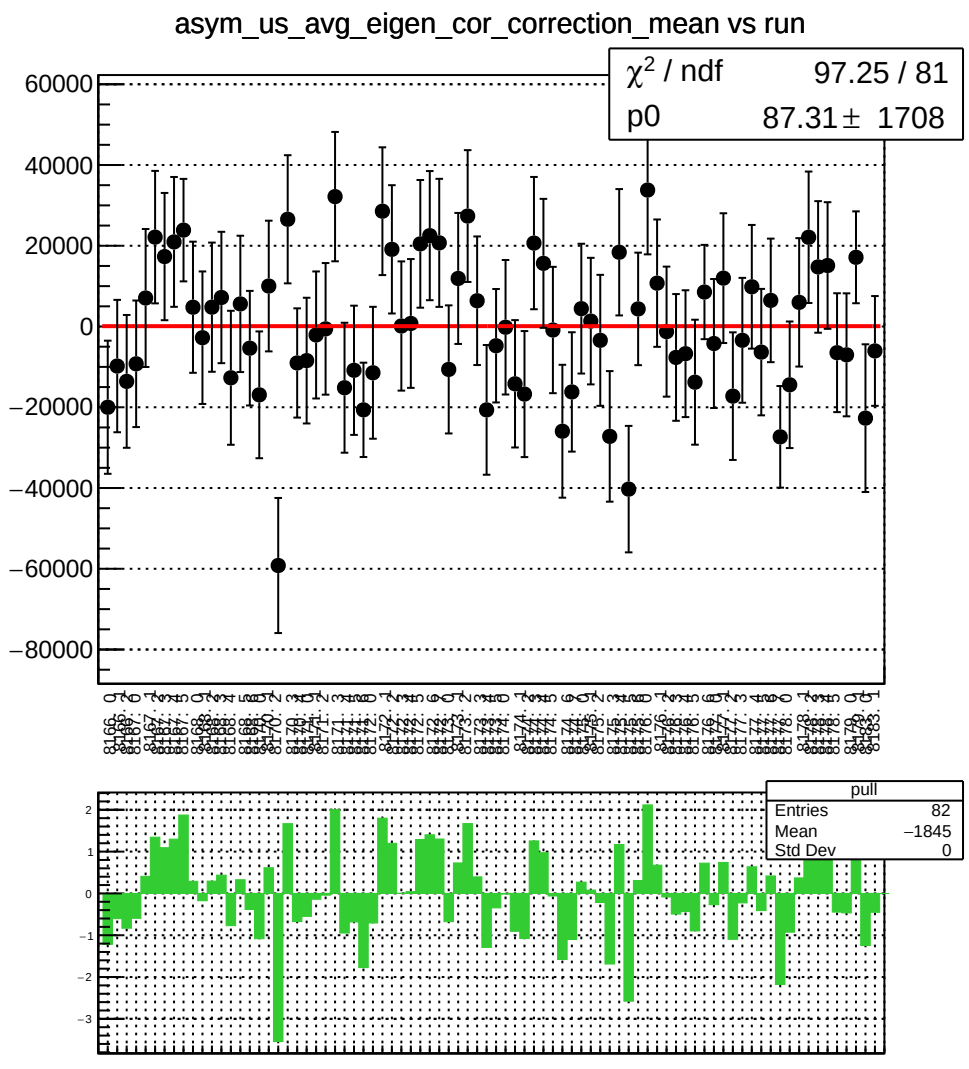

pull1D
Entries 82
Mean 0.0005963
Std Dev 1.088

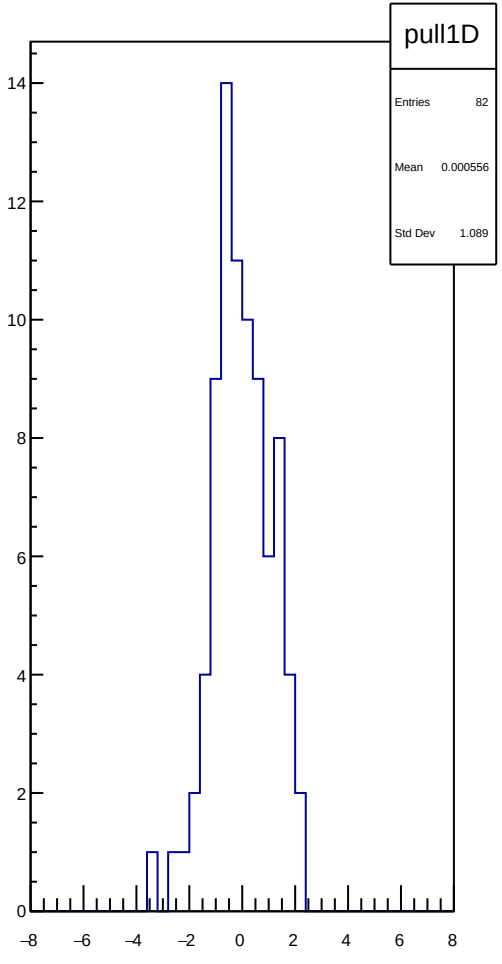

asym_us_avg_overload_cor_correction_rms vs run
χ^2 / ndf 1422 / 81
p0 1519 ± 1.208
1750
1700
1650
1600
1550
1500
1450

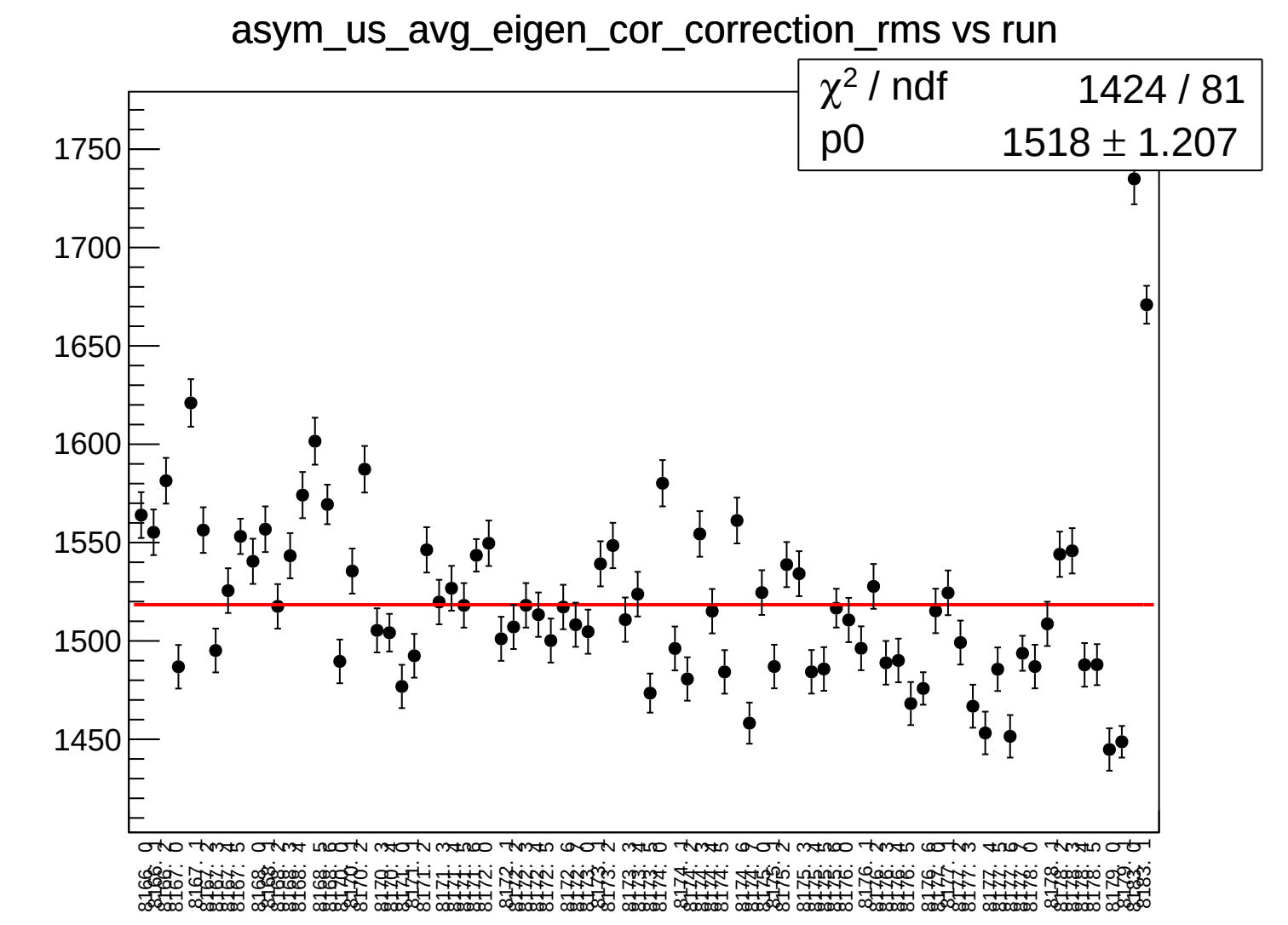

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 97.55 / 81
p0 2478 ± 858.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 73.55
Std Dev 29.76
2
1
0
−1
−2
−3

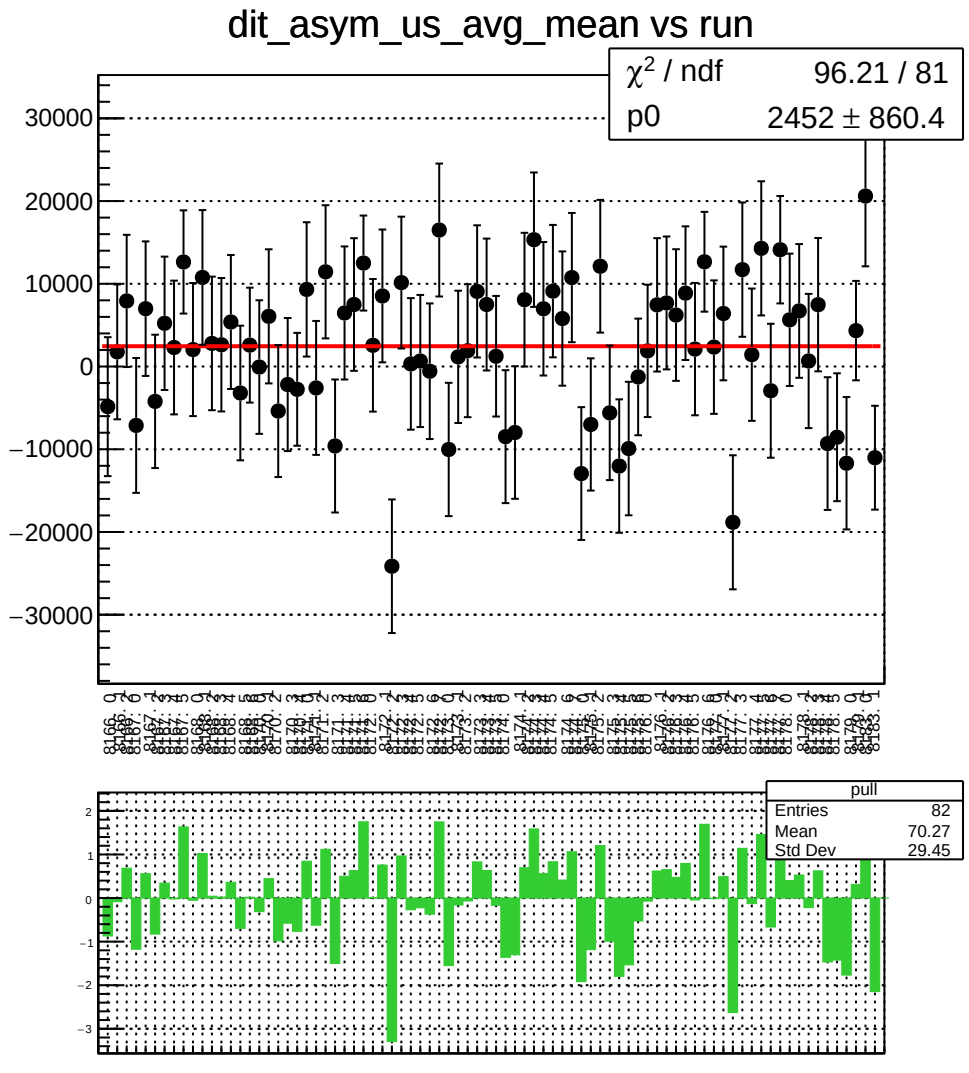

pull1D
Entries 82
Mean −0.0165
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

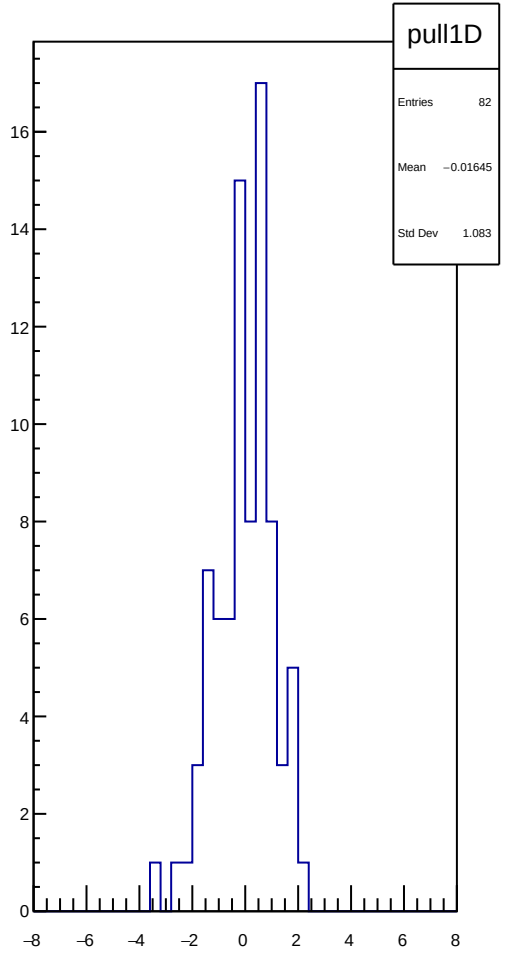

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 141.4 / 81
p0 763.4 ± 0.6068
810
800
790
780
770
760
750
740

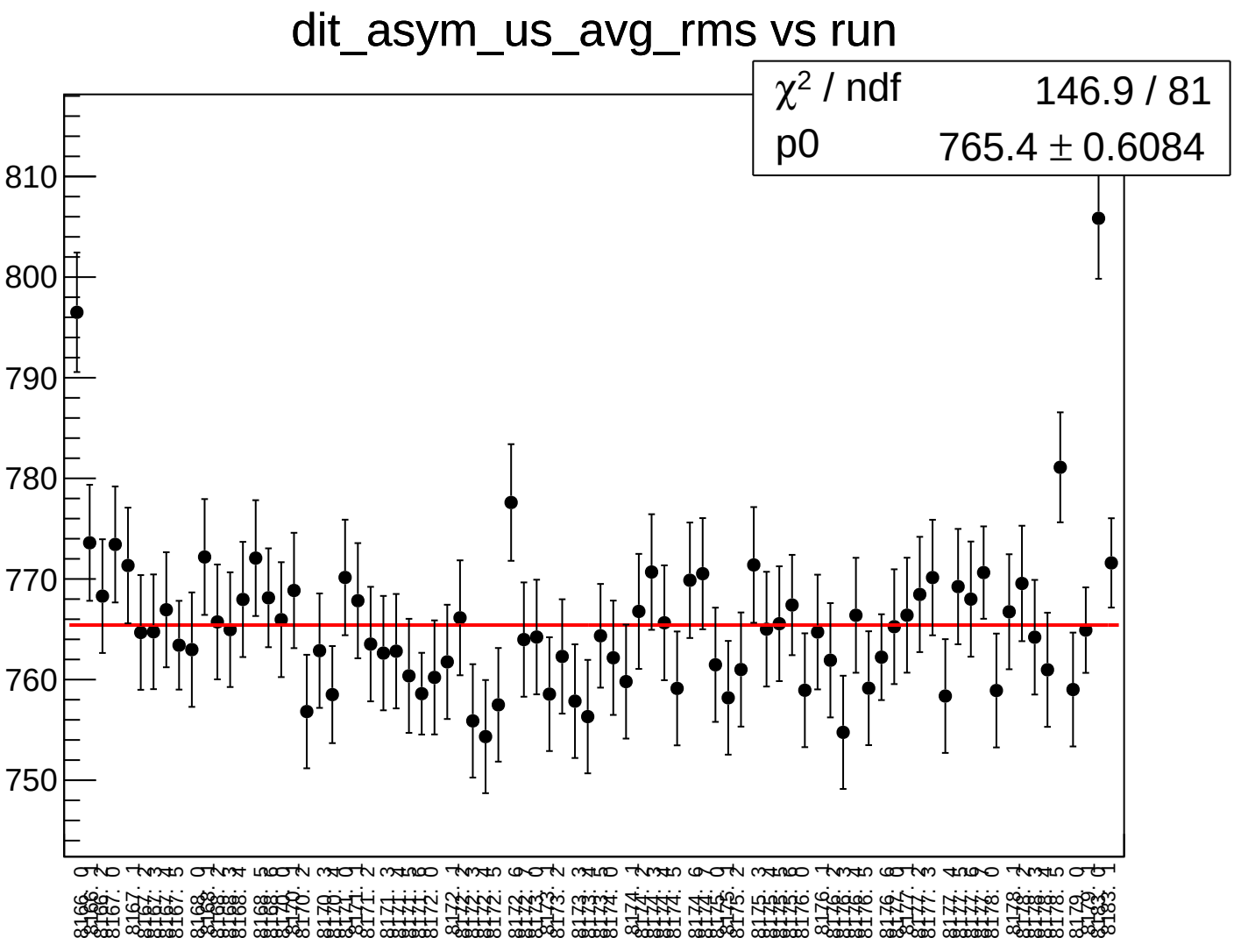

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 97.25 / 81
p0 87.31 ± 1708
pull
Entries 82
Mean −1845
Std Dev 0

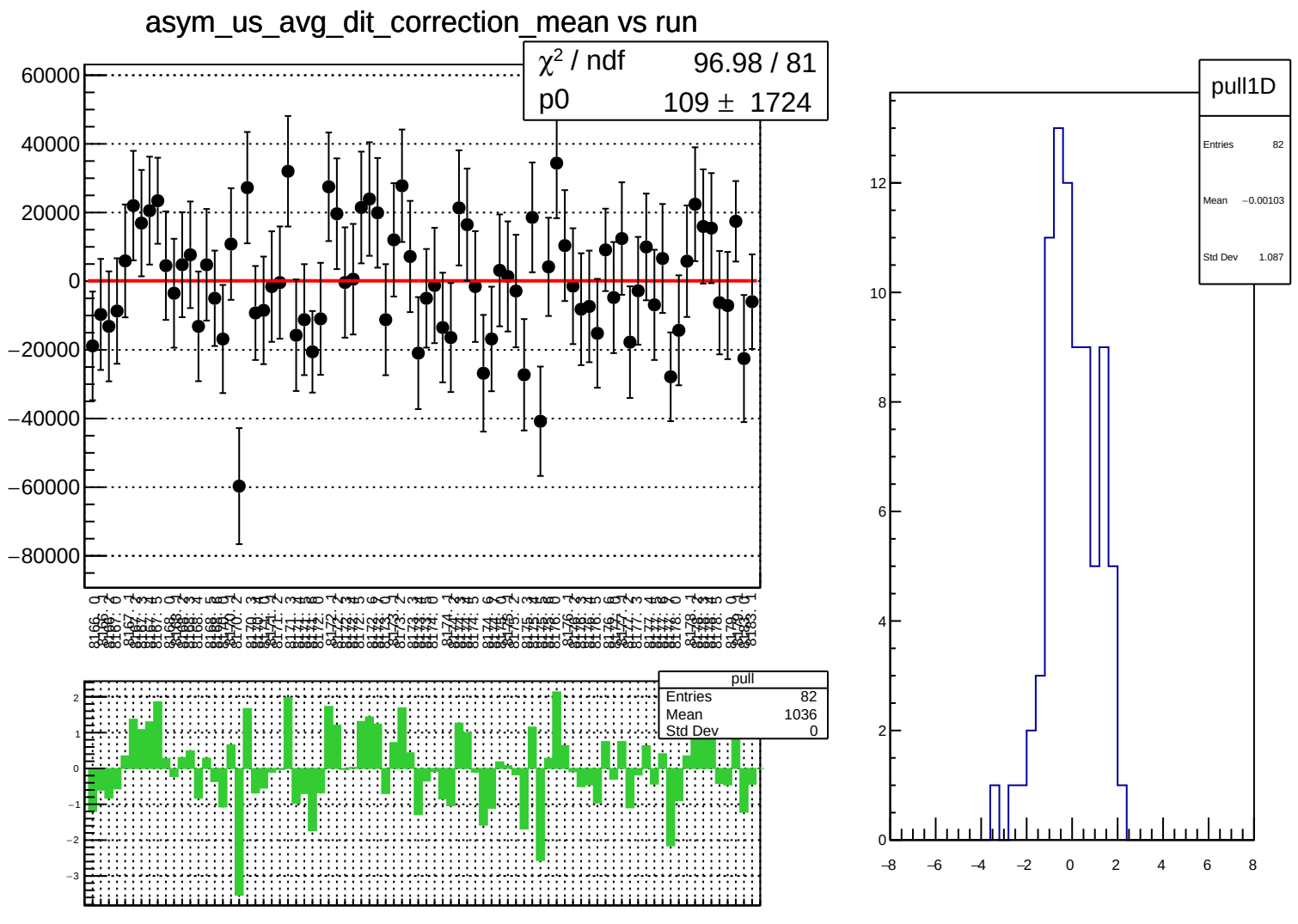

pull1D
Entries 82
Mean 0.000556
Std Dev 1.089

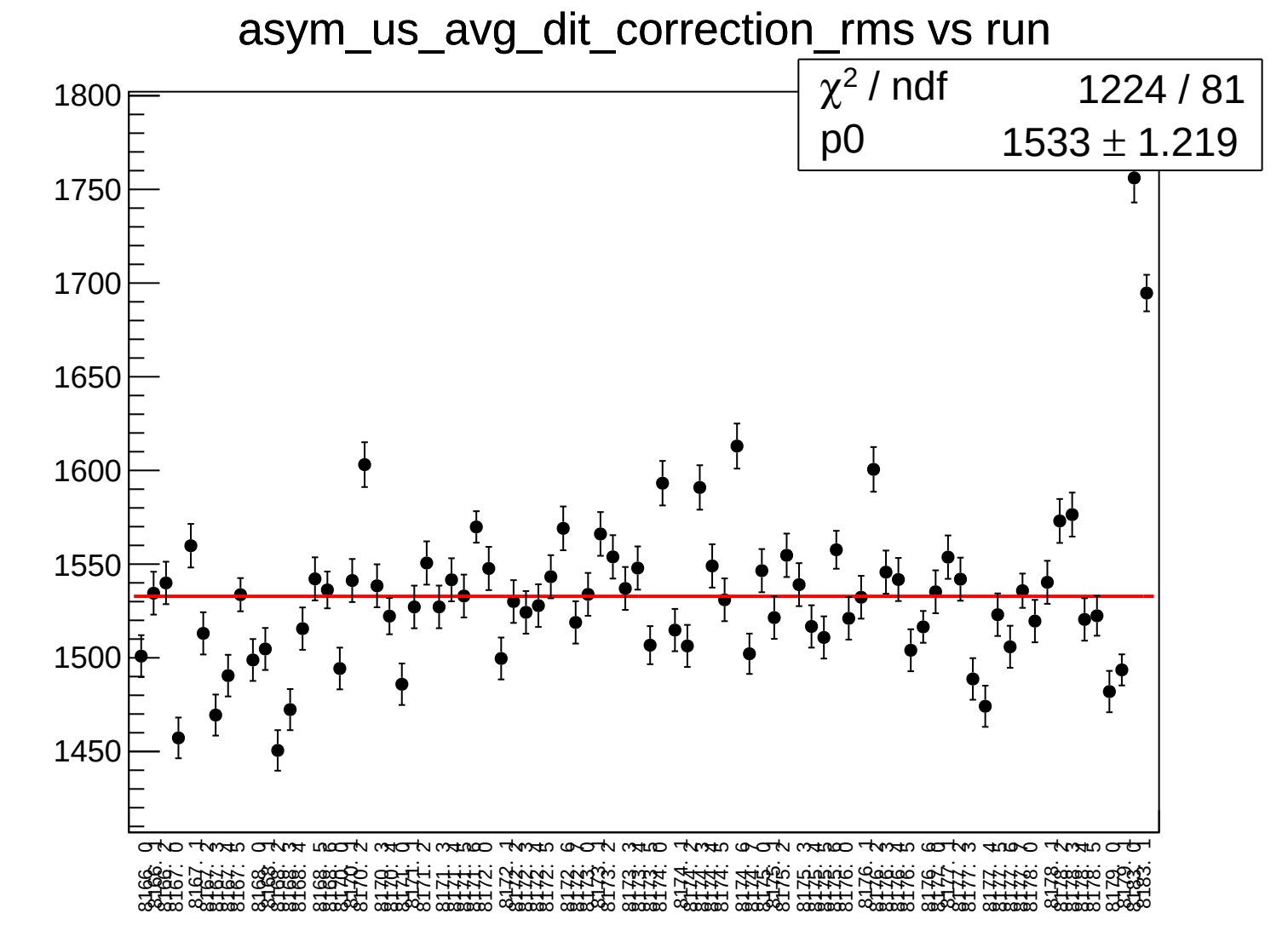

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 1424 / 81
p0 1518 ± 1.207
1750
1700
1650
1600
1550
1500
1450

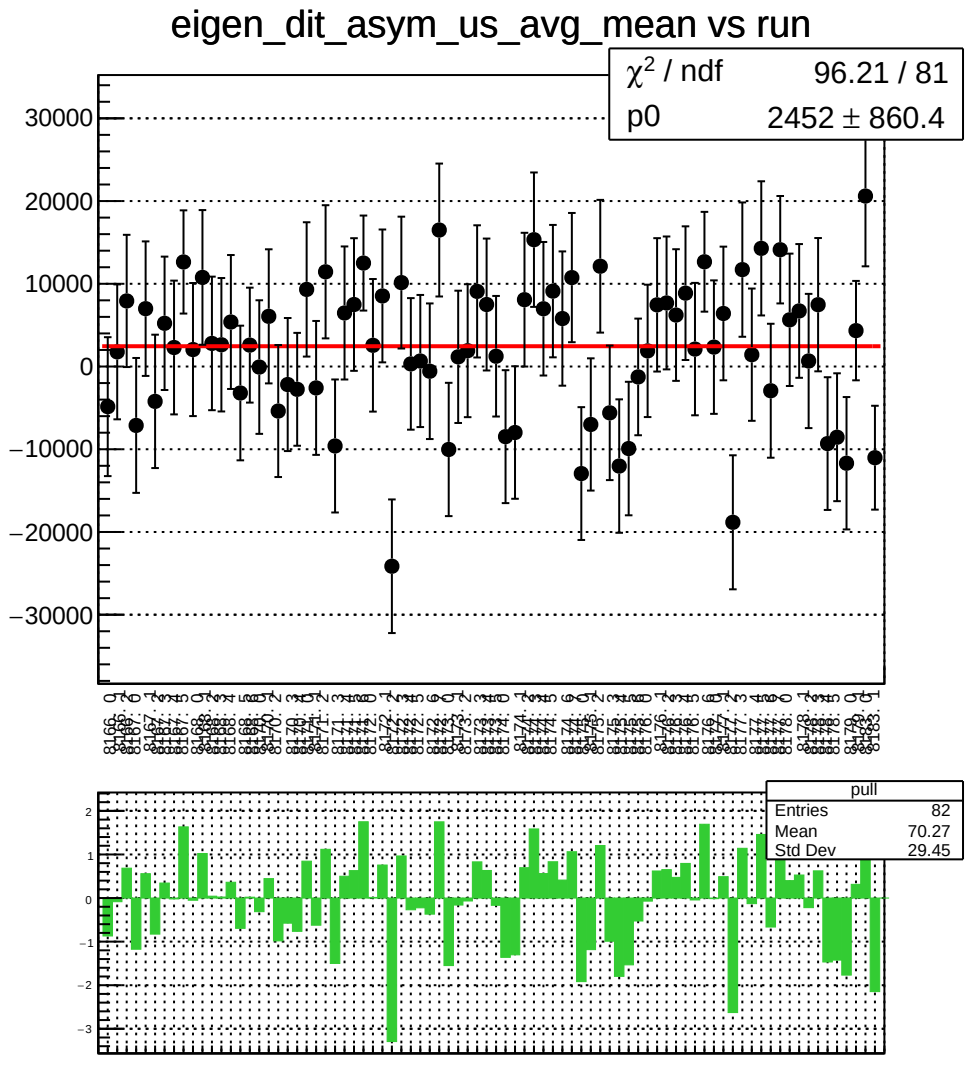

dit_asym_us_avg_mean vs run
χ² / ndf 96.21 / 81
p0 2452 ± 860.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 70.27
Std Dev 29.45
2
1
0
−1
−2
−3

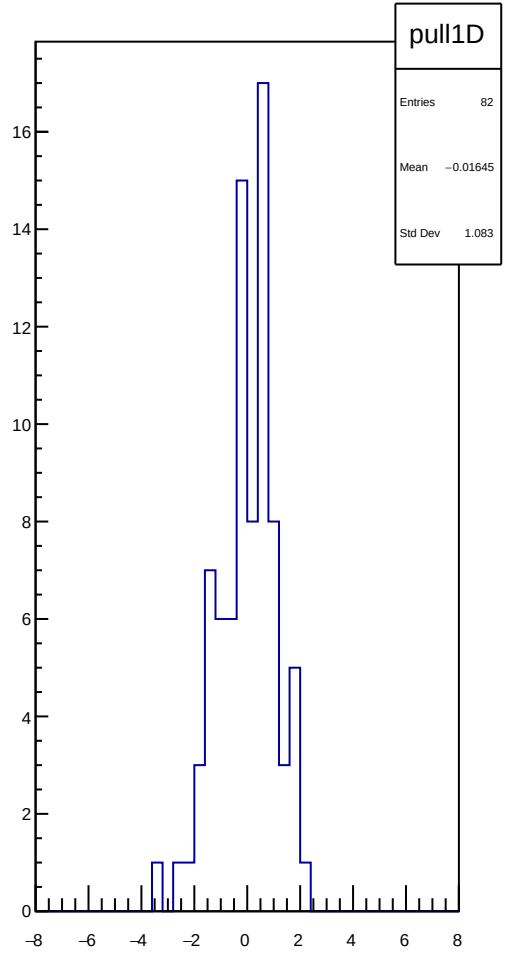

pull1D
Entries 82
Mean −0.01645
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

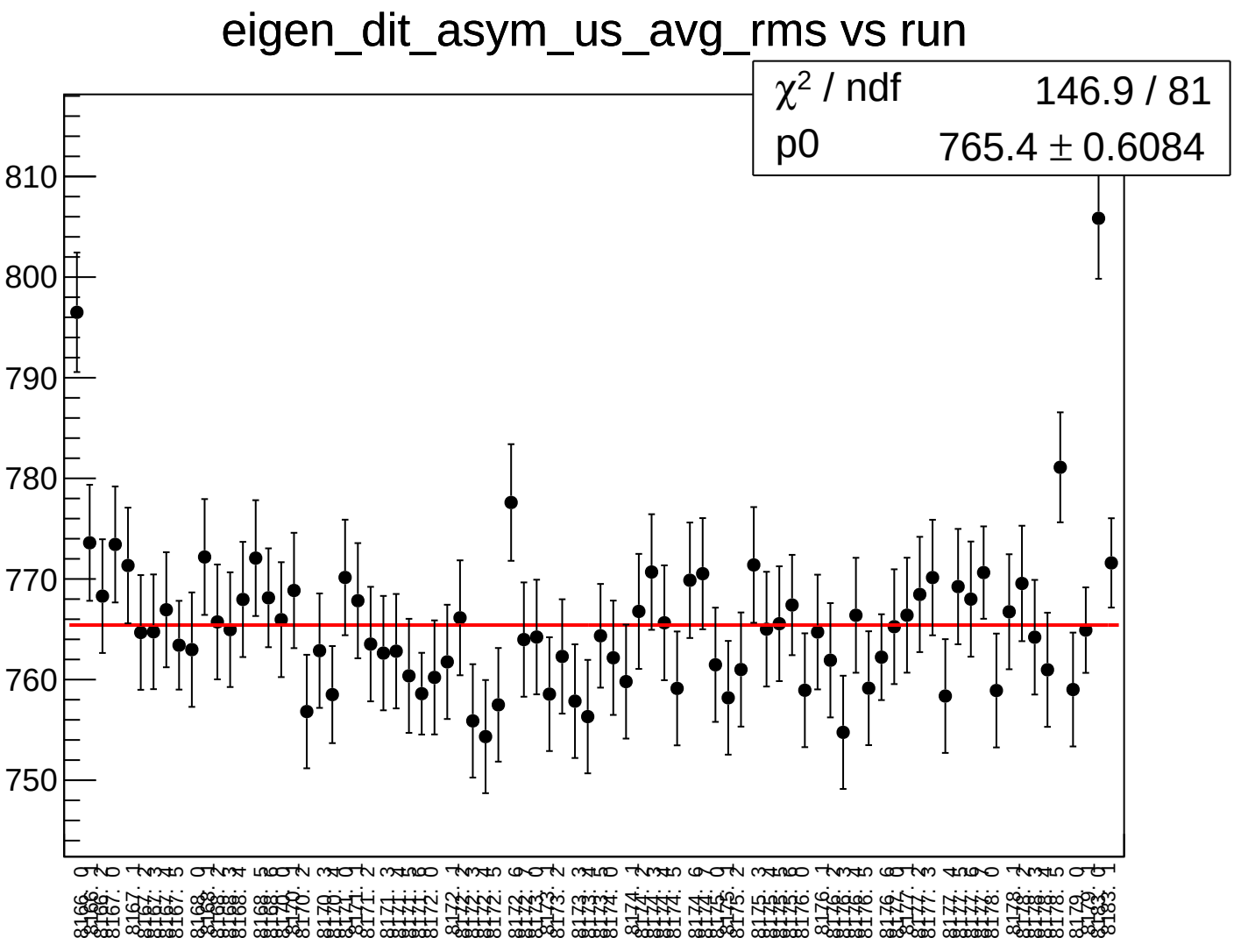

dit_asym_us_avg_rms vs run
χ^2 / ndf 146.9 / 81
p0 765.4 ± 0.6084
810
800
790
780
770
760
750

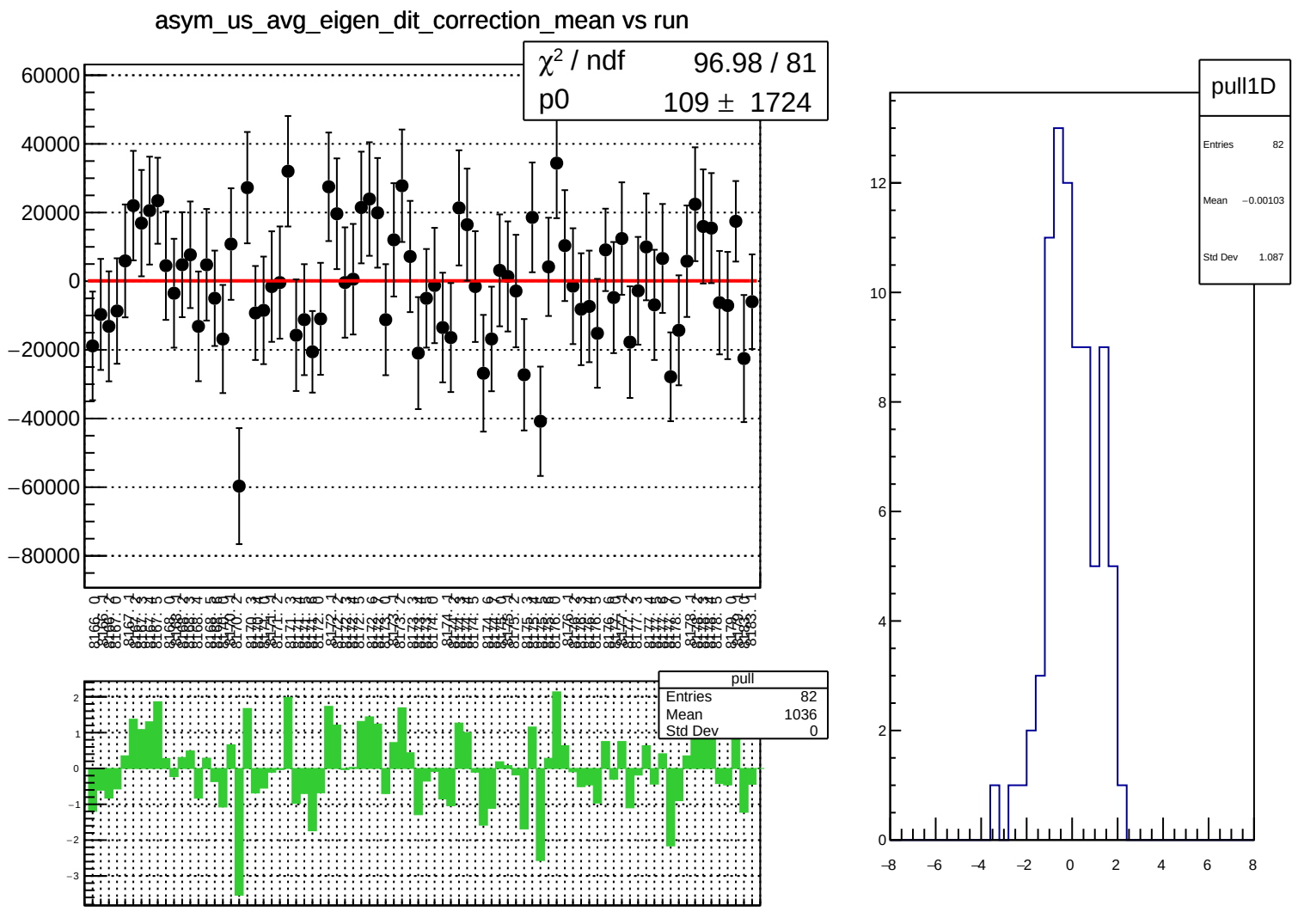

asym_us_avg_dit_correction_mean vs run
χ² / ndf 96.98 / 81
p0 109 ± 1724
pull
Entries 82
Mean 1036
Std Dev 0
pull1D
Entries 82
Mean −0.00103
Std Dev 1.087

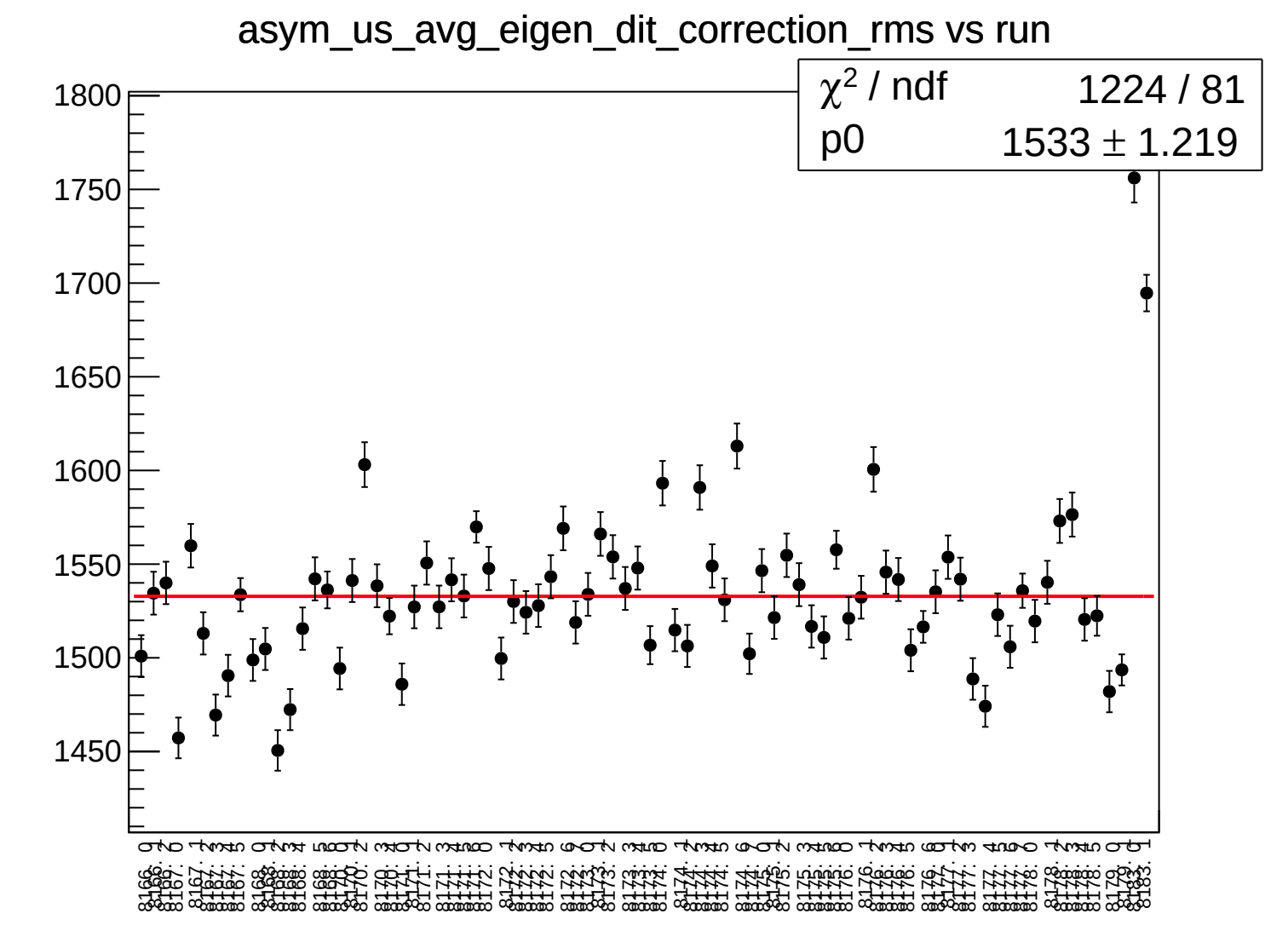

asym_us_avg_dit_correction_rms vs run
χ² / ndf 1224 / 81
p0 1533 ± 1.219
1800
1750
1700
1650
1600
1550
1500
1450

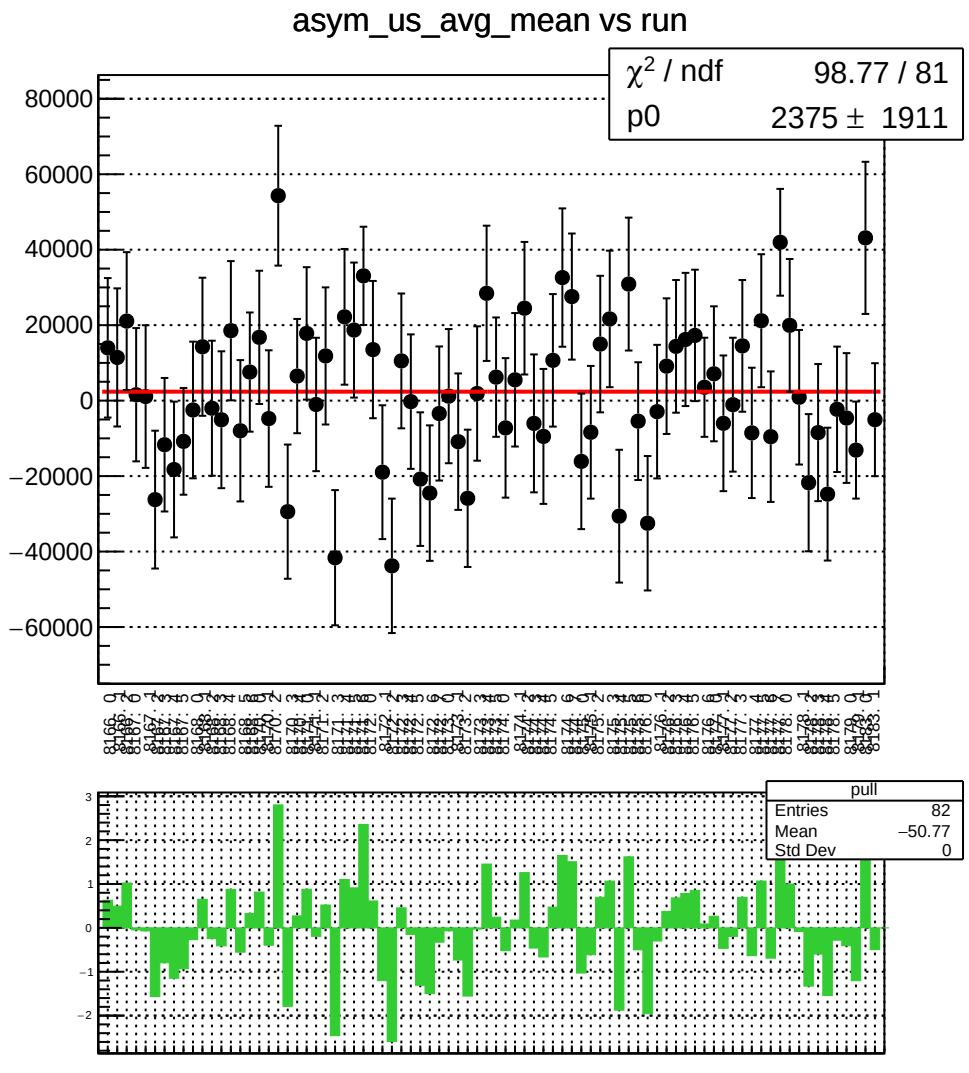

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 96.21 / 81
p0 2452 ± 860.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 70.27
Std Dev 29.45
2
1
0
−1
−2
−3

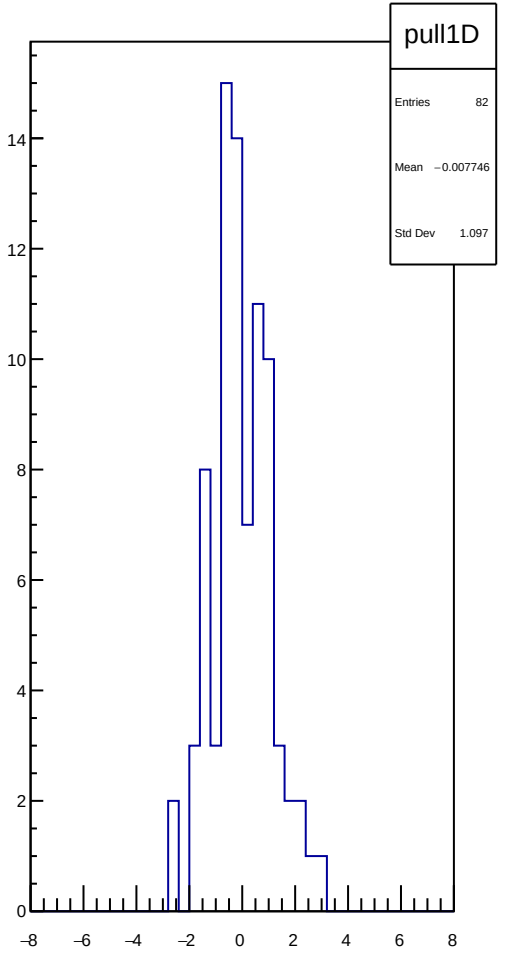

pull1D
Entries 82
Mean −0.01645
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

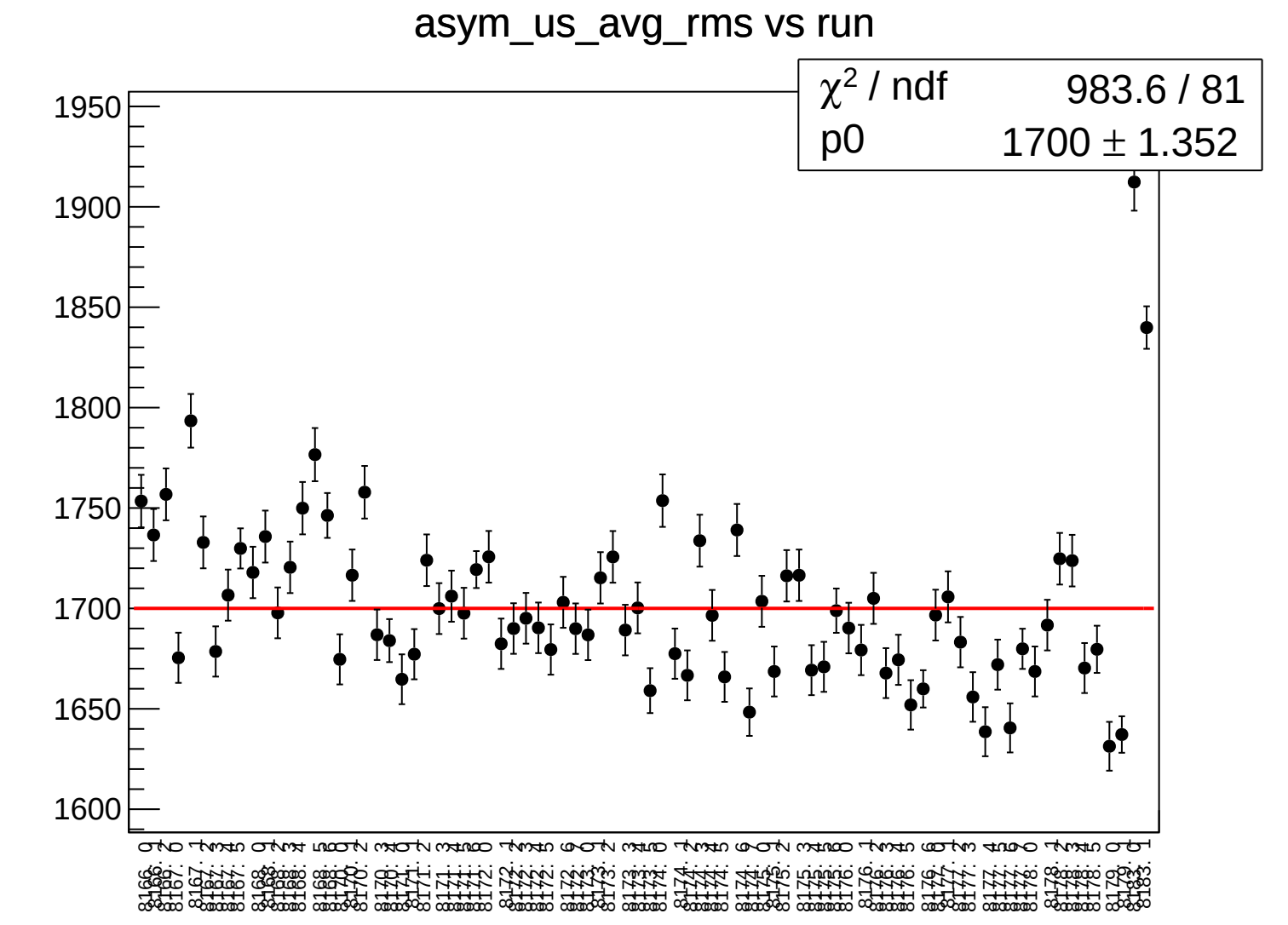

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 146.9 / 81
p0 765.4 ± 0.6084
810
800
790
780
770
760
750

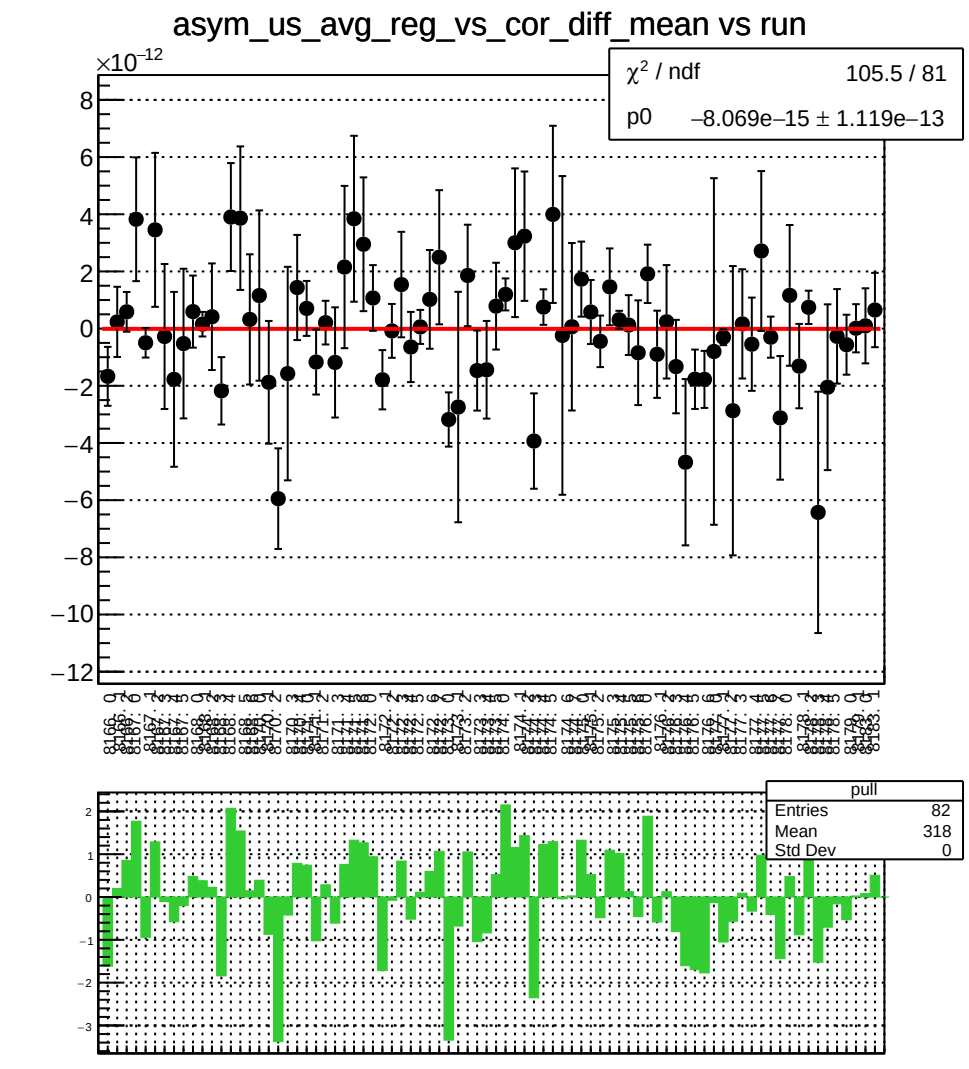

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 96.98 / 81
p0 109 ± 1724
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 1036
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.00103
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

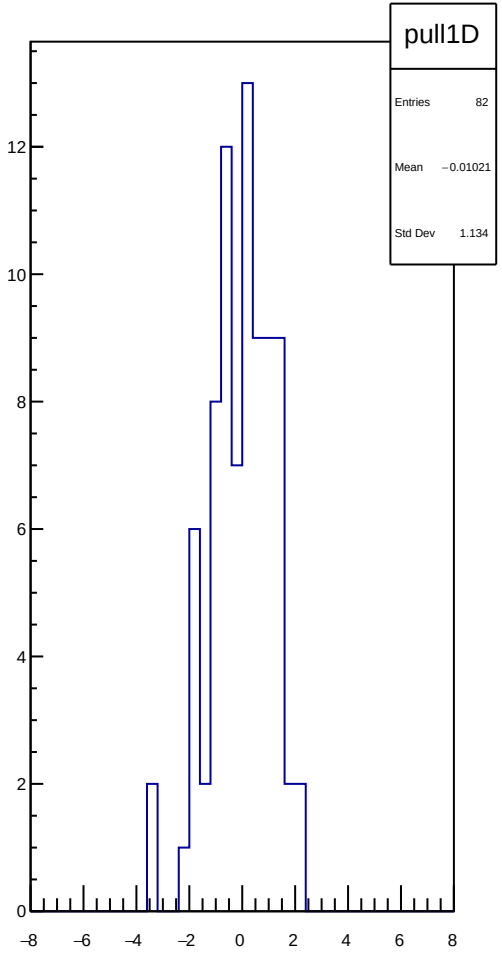

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 1224 / 81
p0 1533 ± 1.219
1800
1750
1700
1650
1600
1550
1500
1450

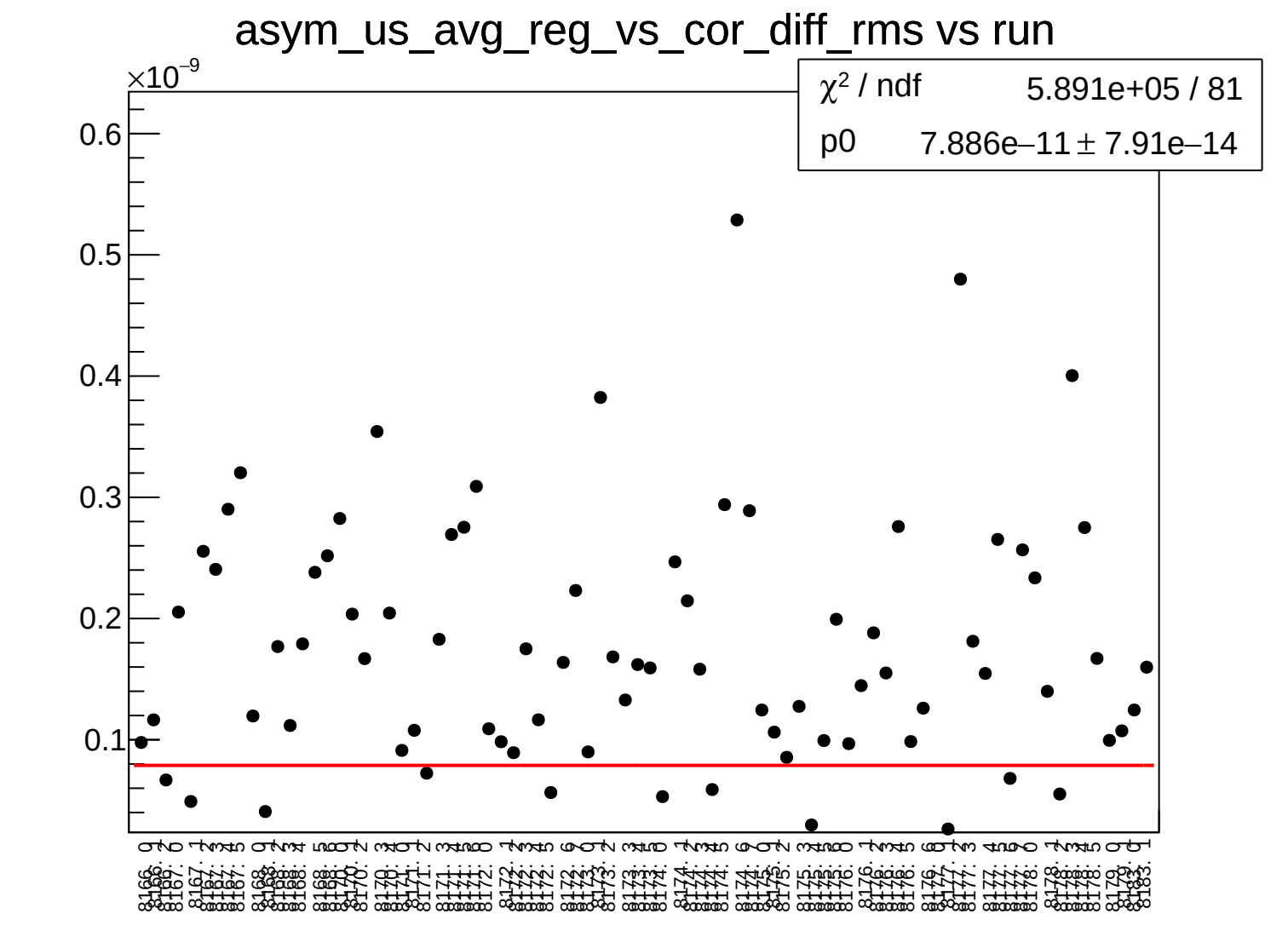

asym_us_avg_mean vs run
χ² / ndf 98.77 / 81
p0 2375 ± 1911
pull
Entries 82
Mean −50.77
Std Dev 0

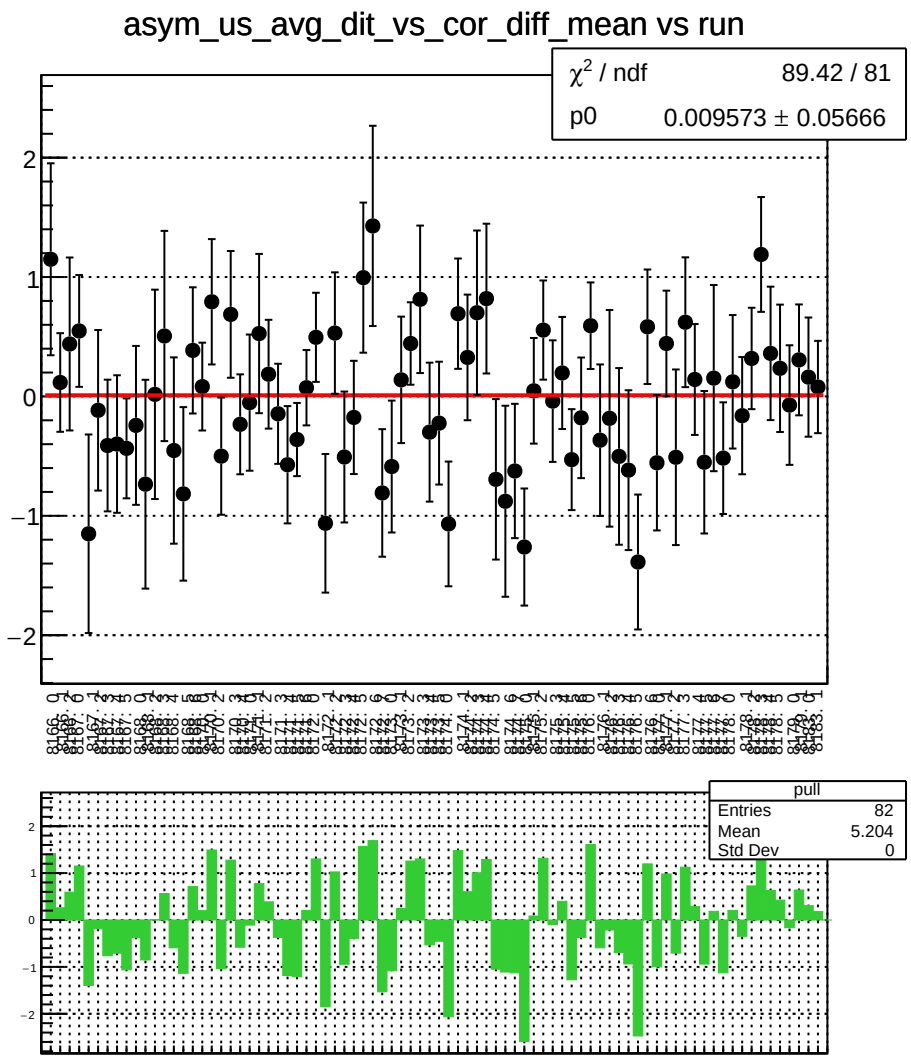

pull1D
Entries 82
Mean −0.007746
Std Dev 1.097

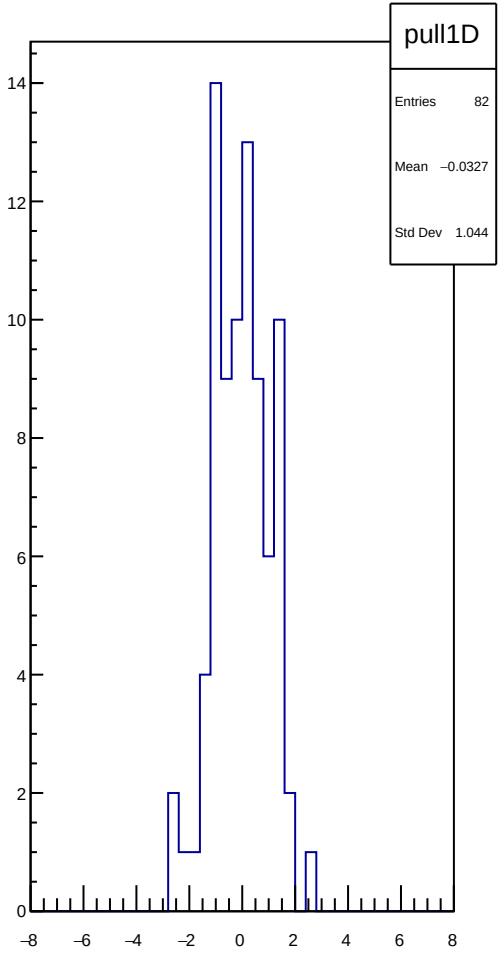

asym_us_avg_rms vs run
χ^2 / ndf 983.6 / 81
p0 1700 ± 1.352
1950
1900
1850
1800
1750
1700
1650
1600

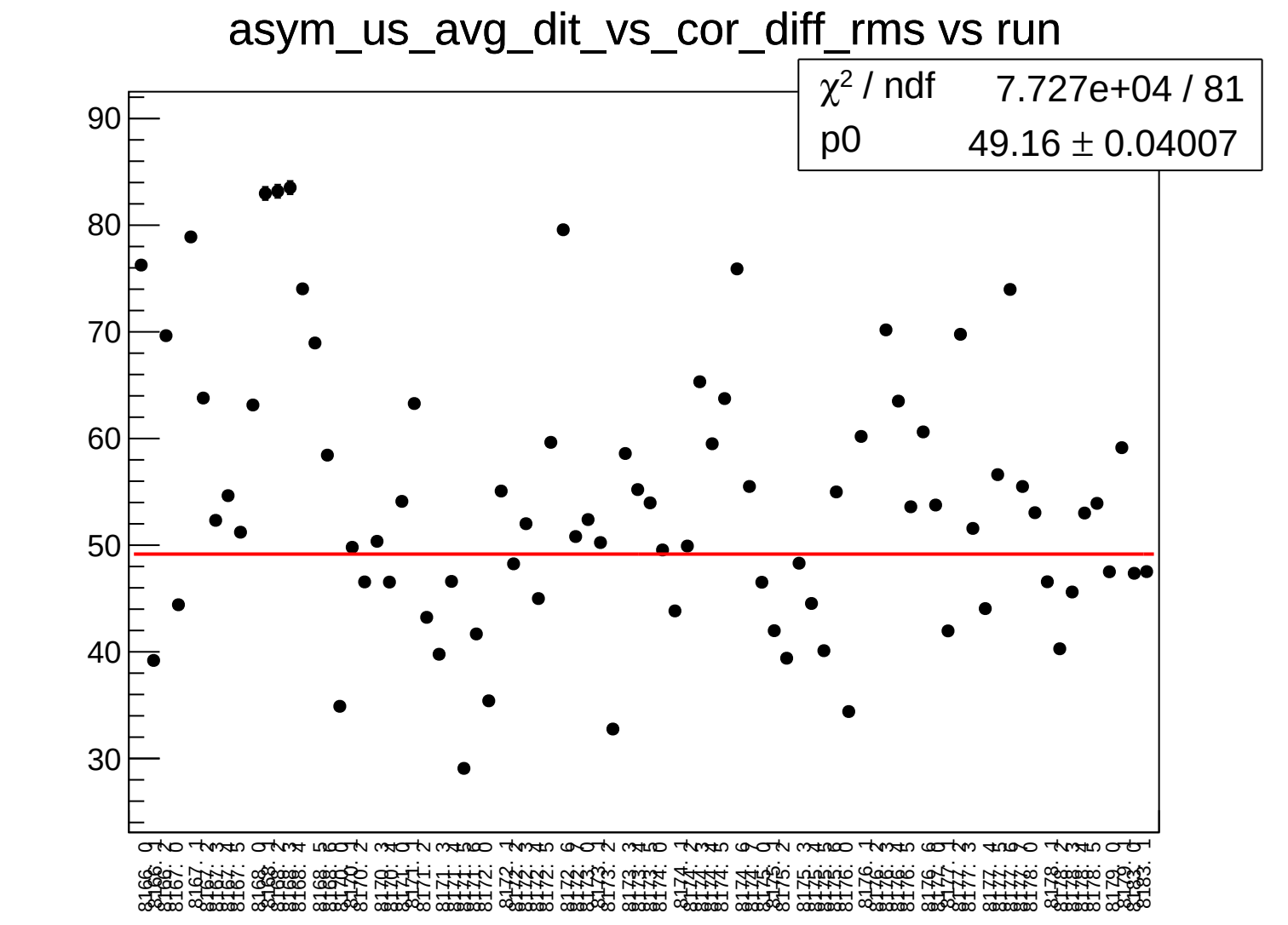

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 105.5 / 81
p0 −8.069e−15 ± 1.119e−13
pull
Entries 82
Mean 318
Std Dev 0

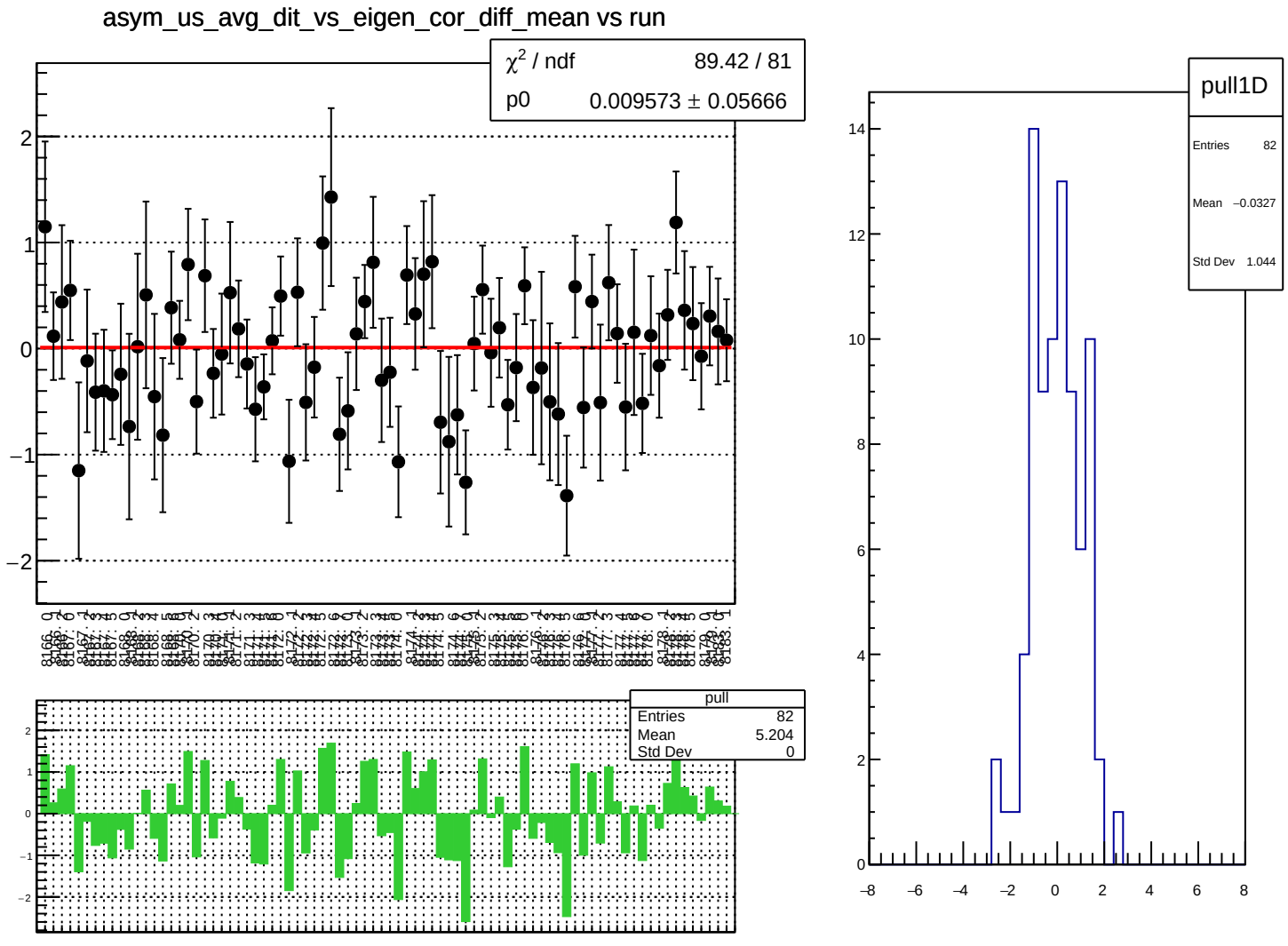

pull1D
Entries 82
Mean −0.01021
Std Dev 1.134

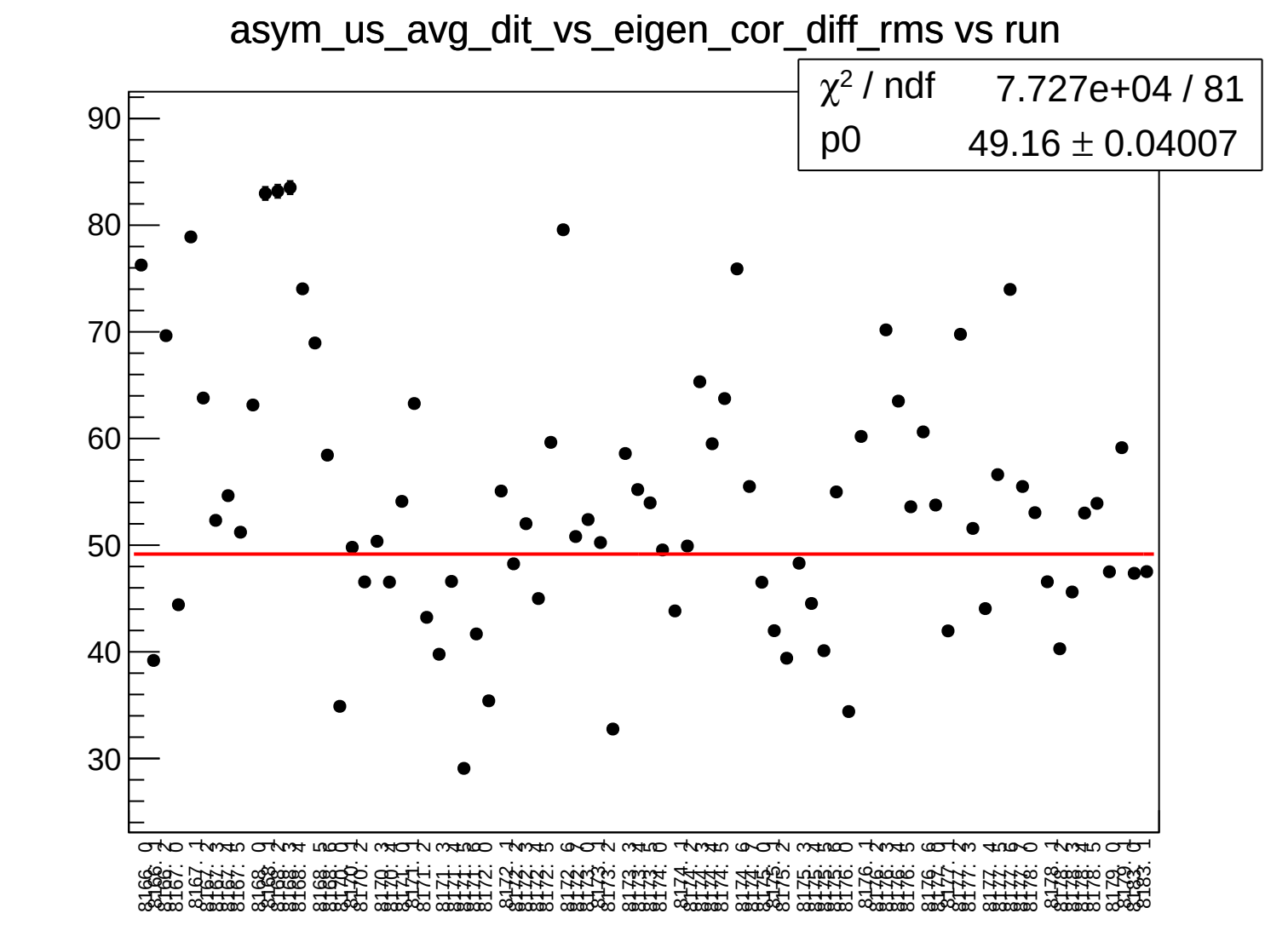

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.891e+05 / 81
p0 7.886e−11 ± 7.91e−14
0.6
0.5
0.4
0.3
0.2
0.1

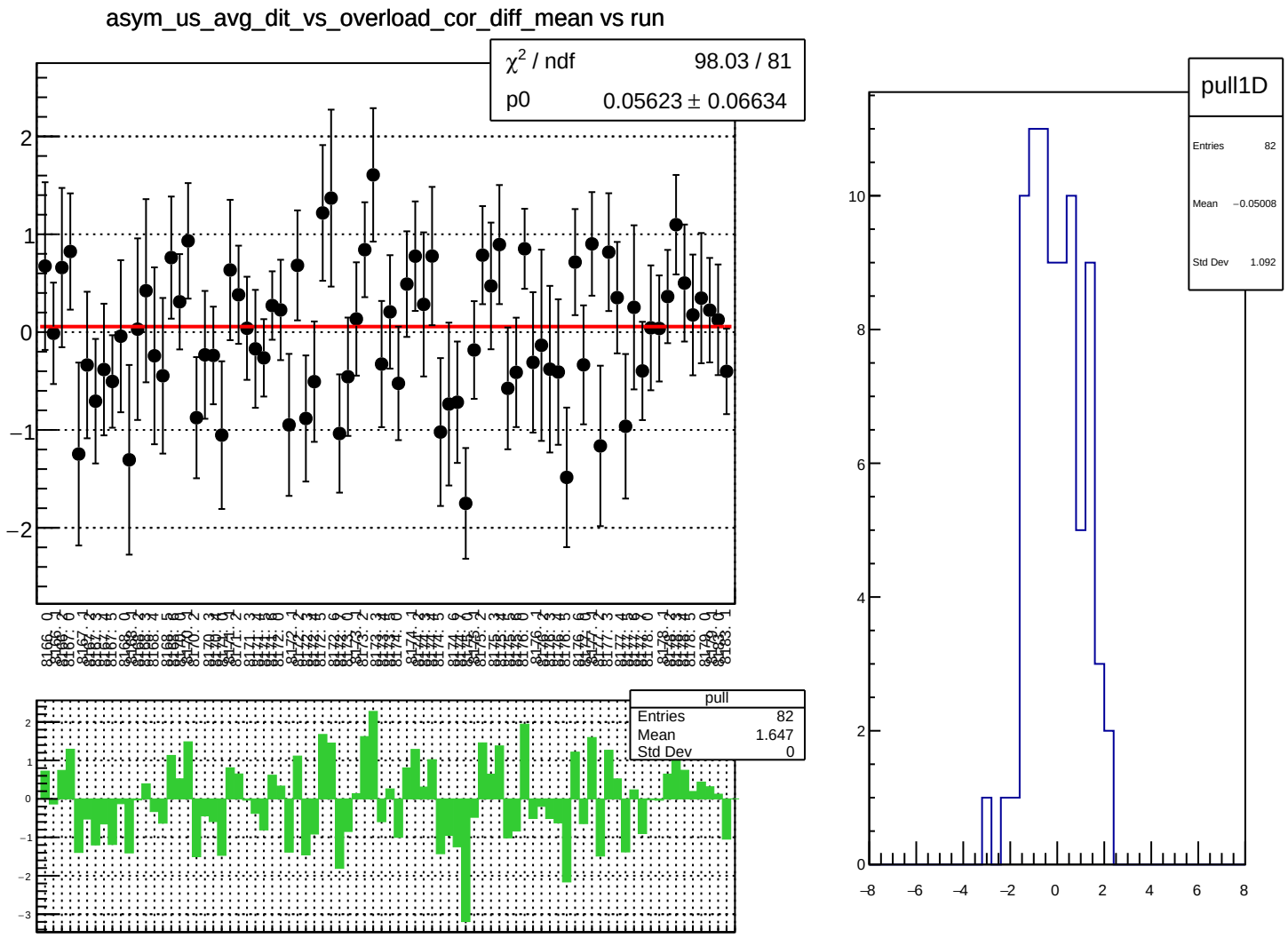

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 89.42 / 81
p0 0.009573 ± 0.05666
pull
Entries 82
Mean 5.204
Std Dev 0

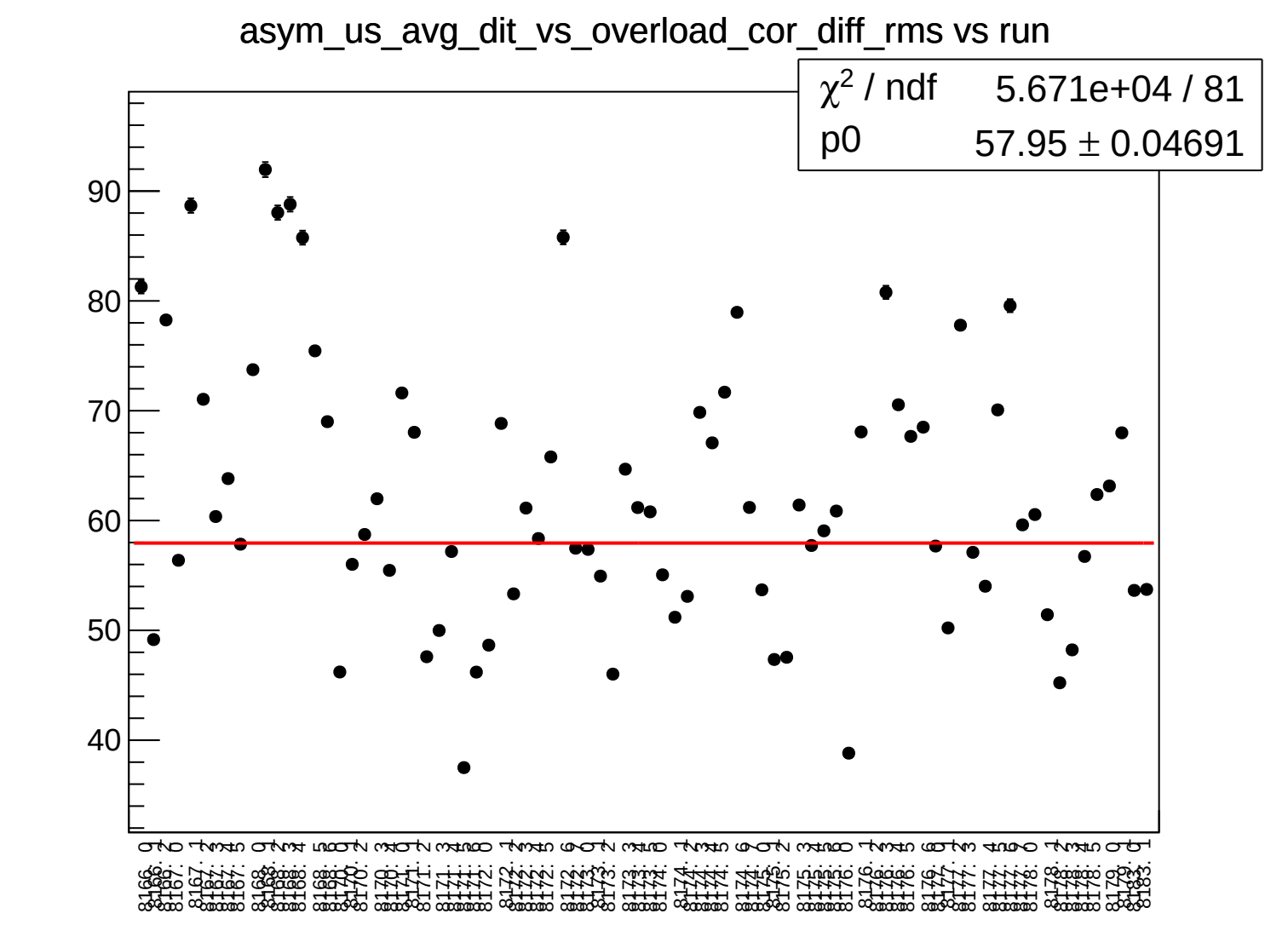

pull1D
Entries 82
Mean −0.0327
Std Dev 1.044

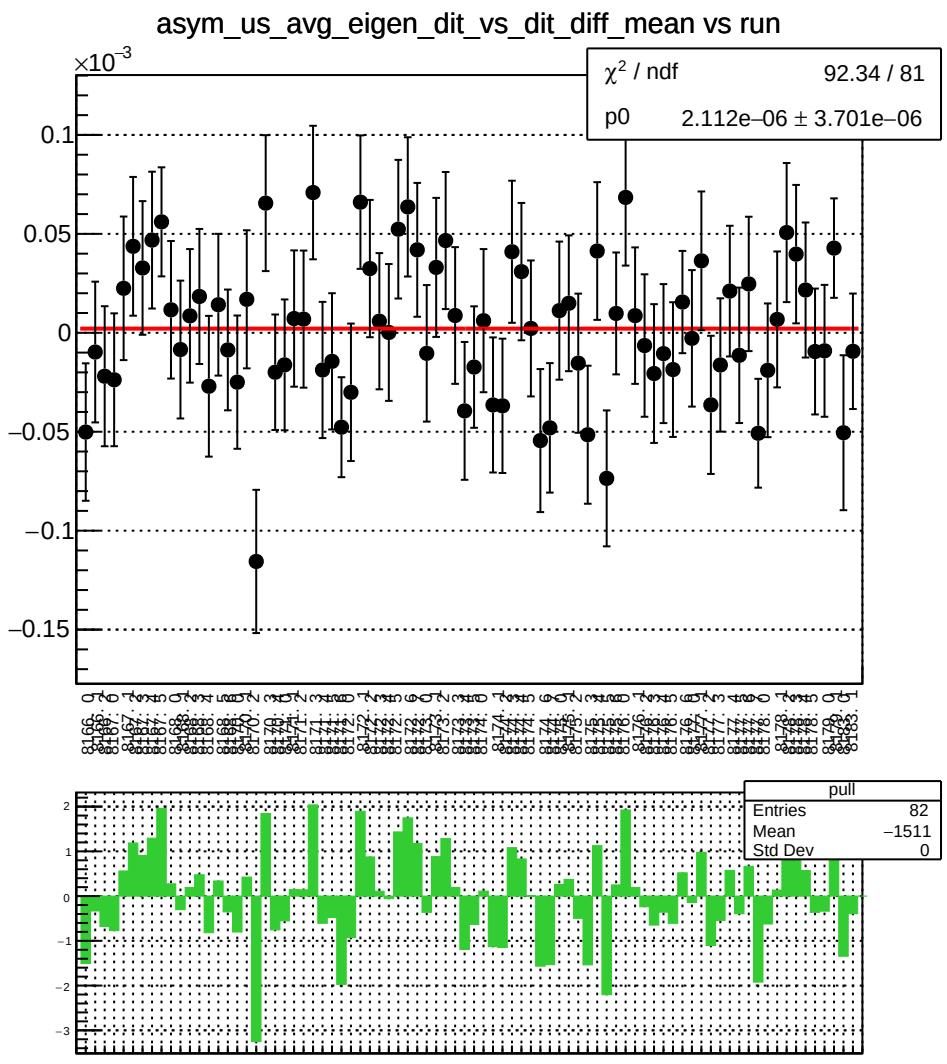

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.727e+04 / 81
p0 49.16 ± 0.04007
90
80
70
60
50
40
30

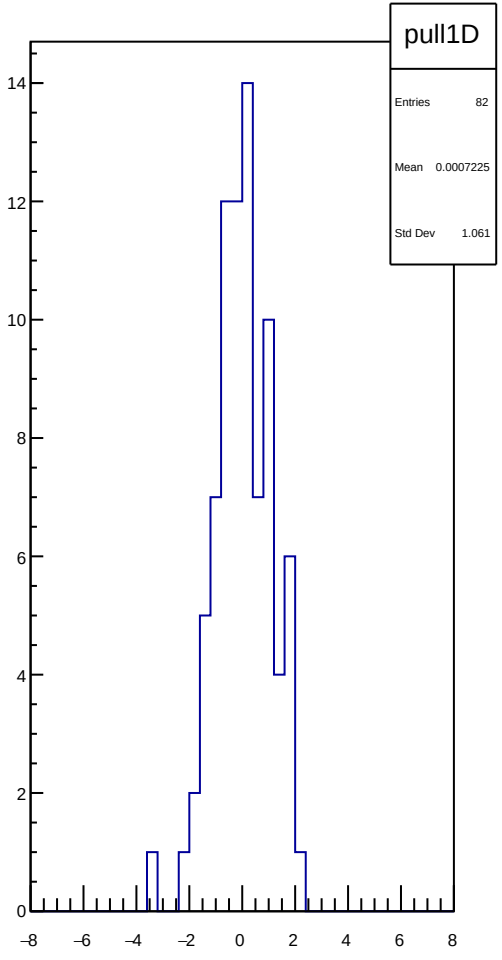

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.42 / 81
p0 0.009573 ± 0.05666
pull
Entries 82
Mean 5.204
Std Dev 0
pull1D
Entries 82
Mean −0.0327
Std Dev 1.044

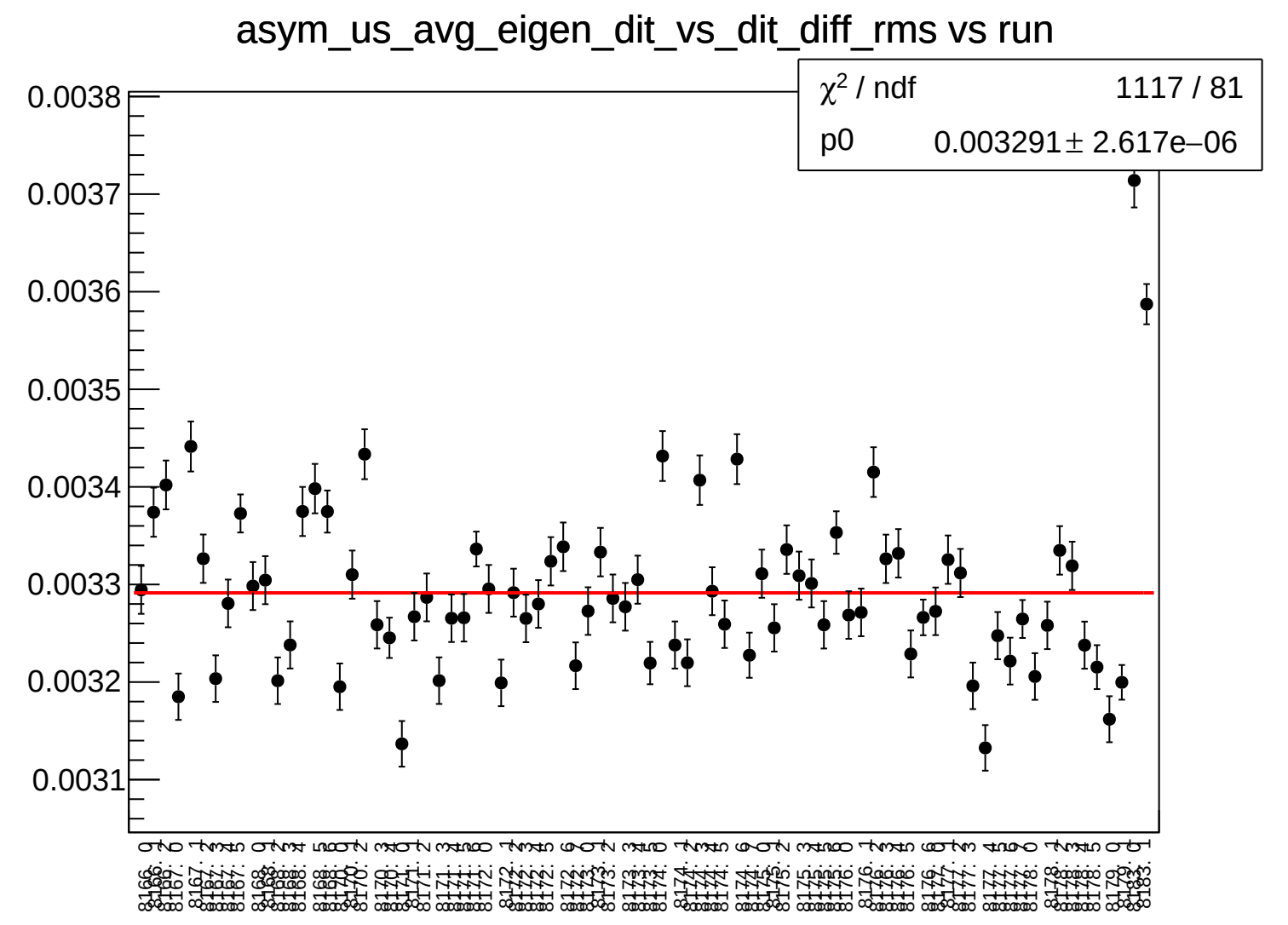

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.727e+04 / 81
p0 49.16 ± 0.04007
90
80
70
60
50
40
30

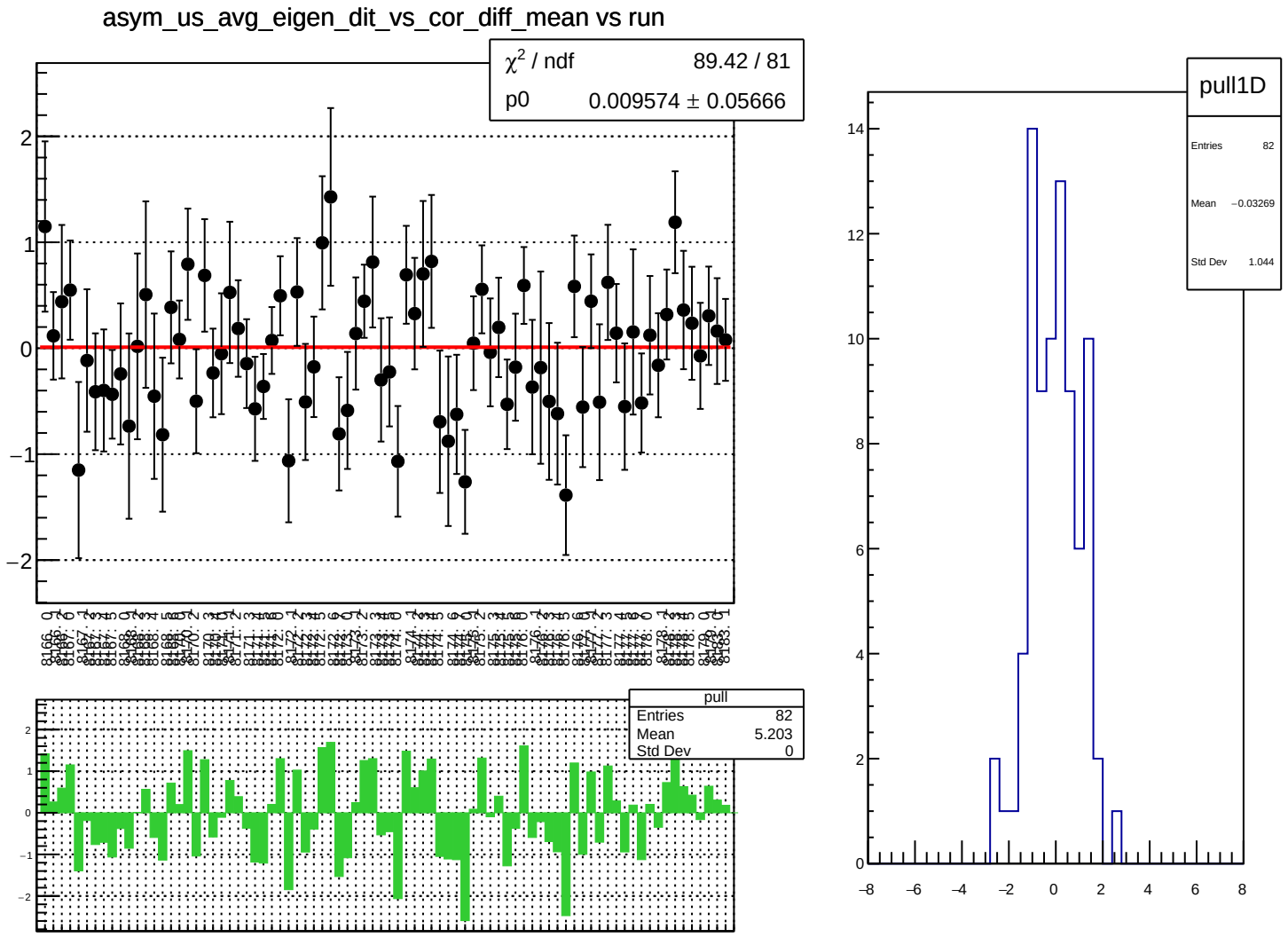

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 98.03 / 81
p0 0.05623 ± 0.06634
pull
Entries 82
Mean 1.647
Std Dev 0
pull1D
Entries 82
Mean −0.05008
Std Dev 1.092

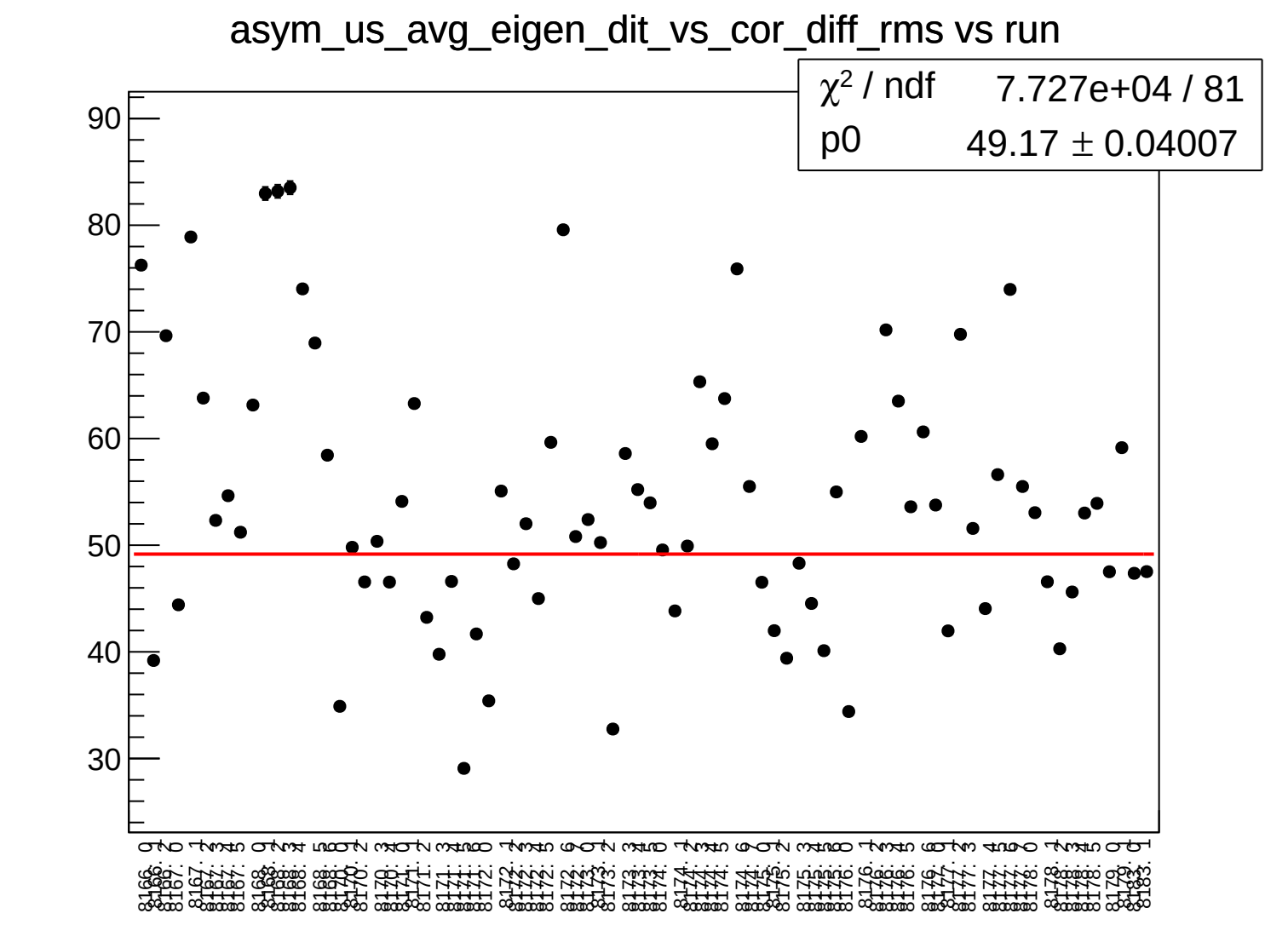

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.671e+04 / 81
p0 57.95 ± 0.04691
90
80
70
60
50
40

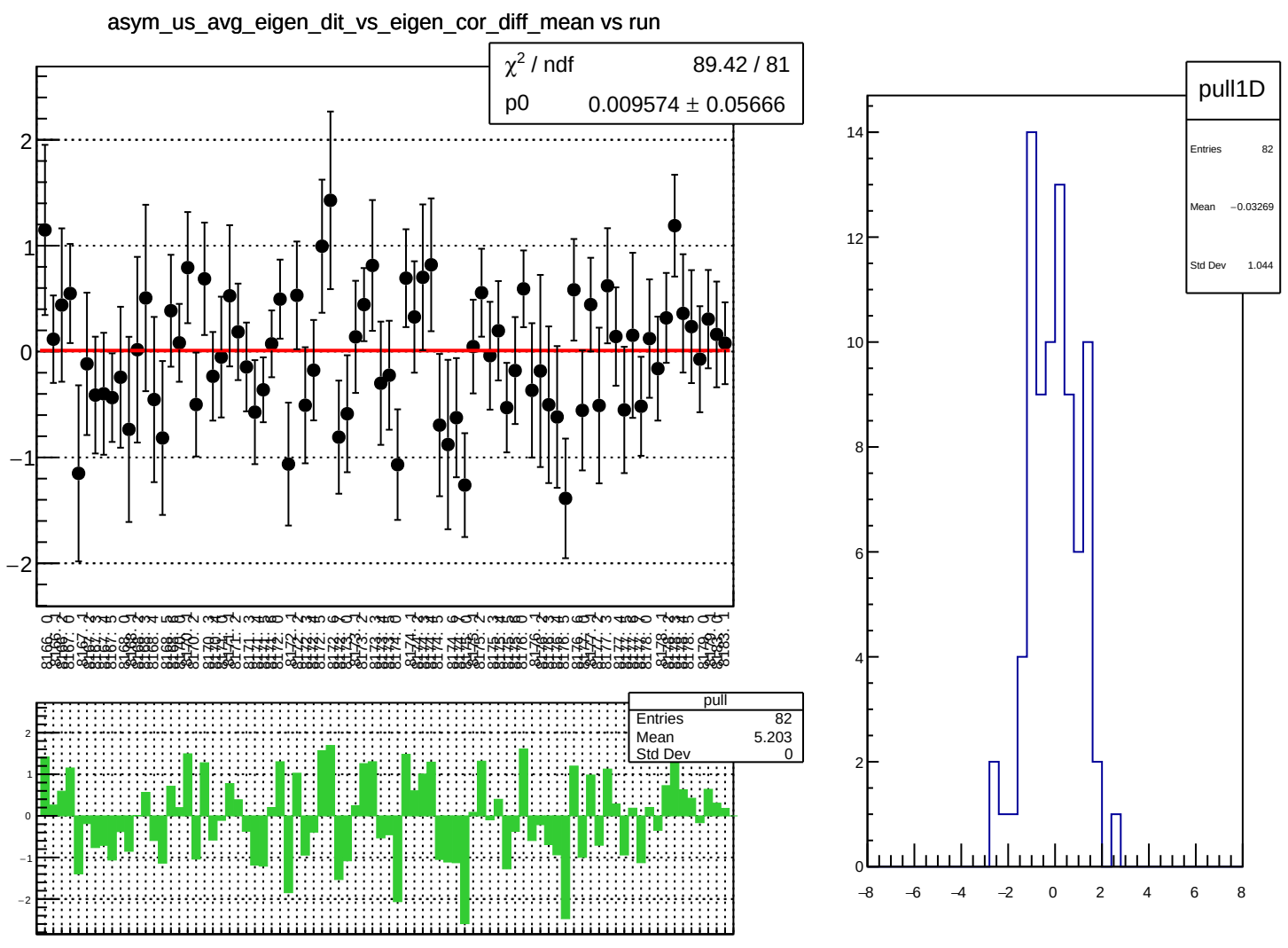

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.34 / 81
p0 2.112e−06 ± 3.701e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 82
Mean −1511
Std Dev 0
2
1
0
−1
−2
−3

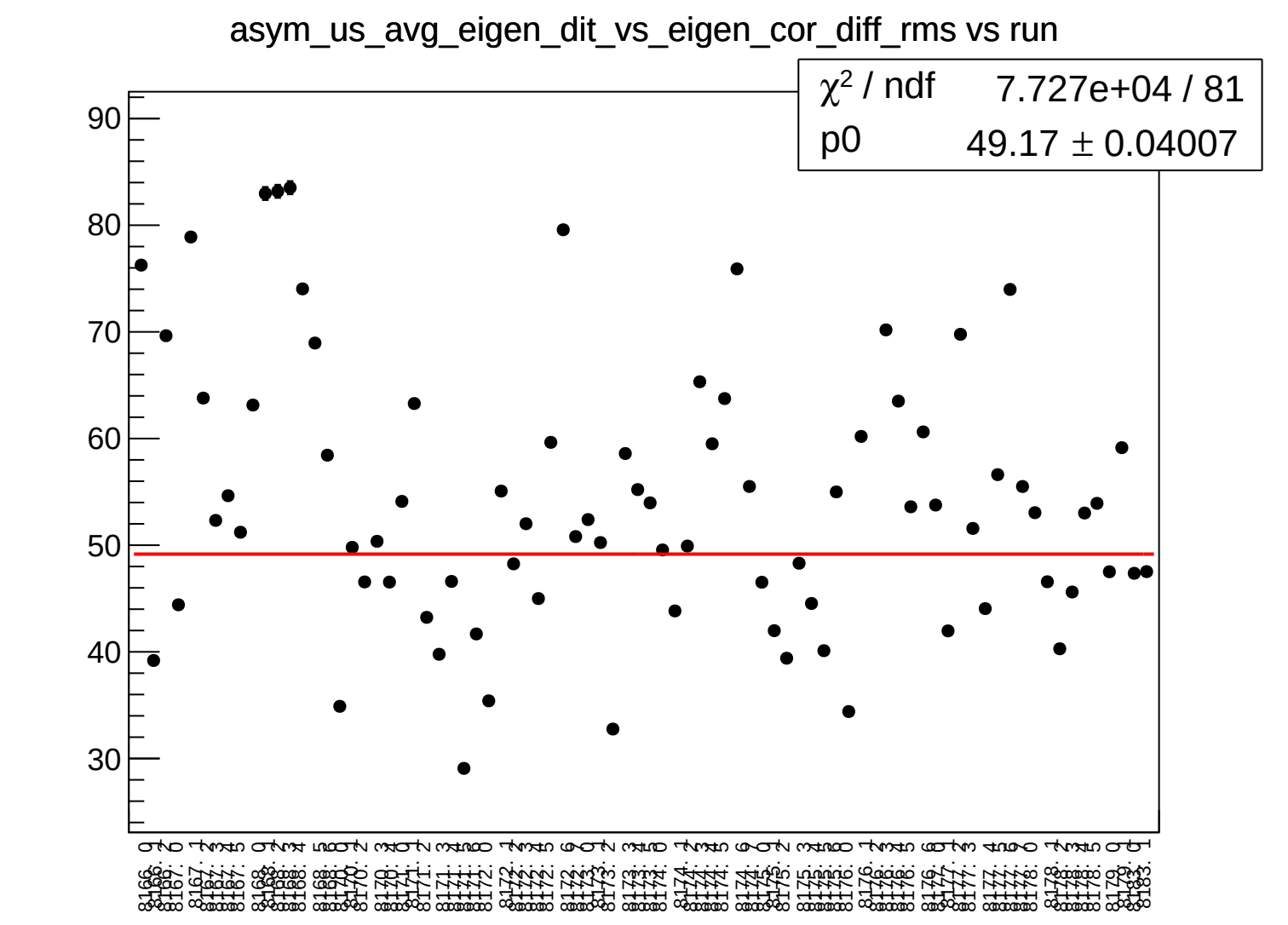

pull1D
Entries 82
Mean 0.0007225
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

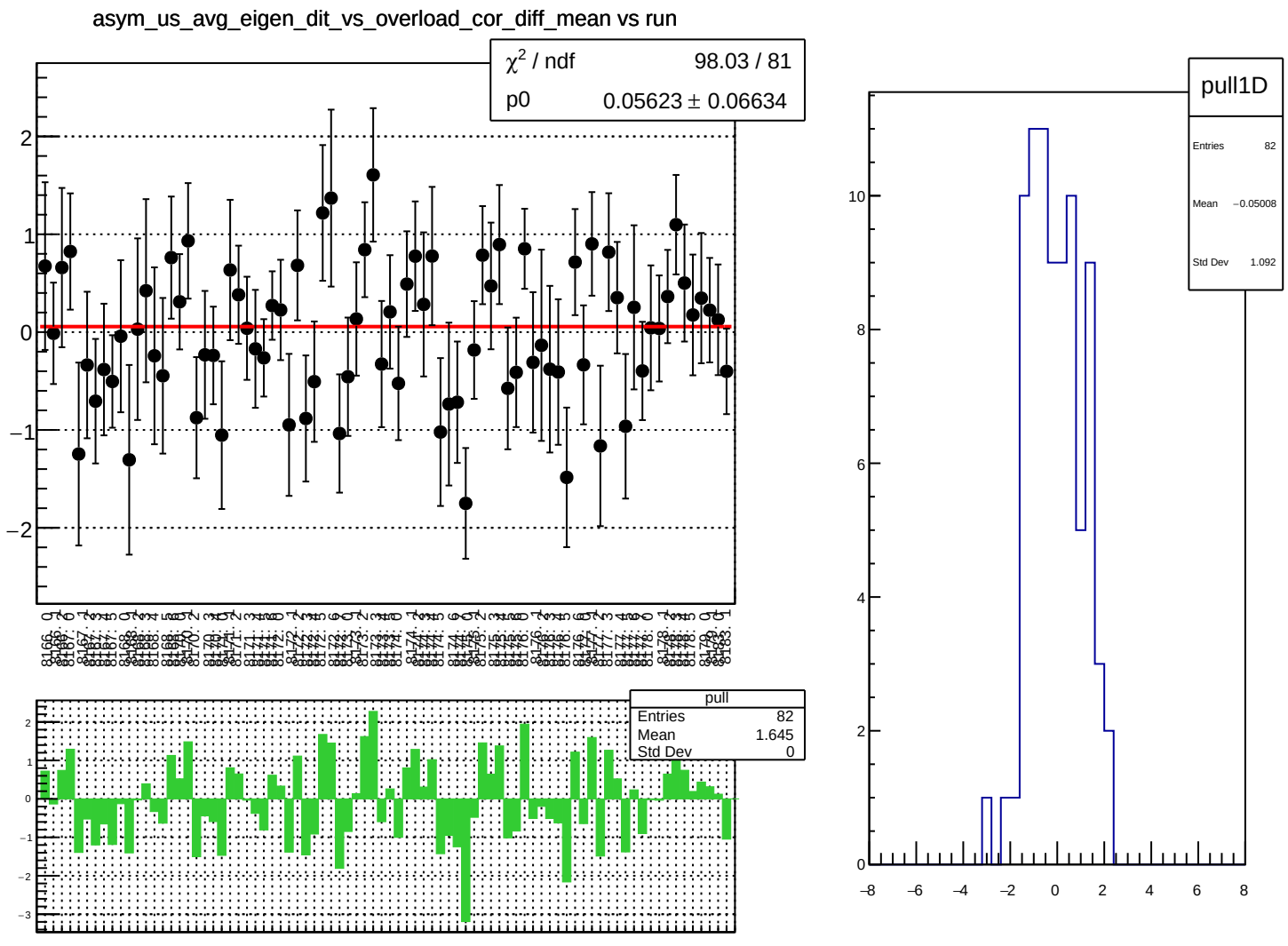

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1117 / 81
p0 0.003291 ± 2.617e−06
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031

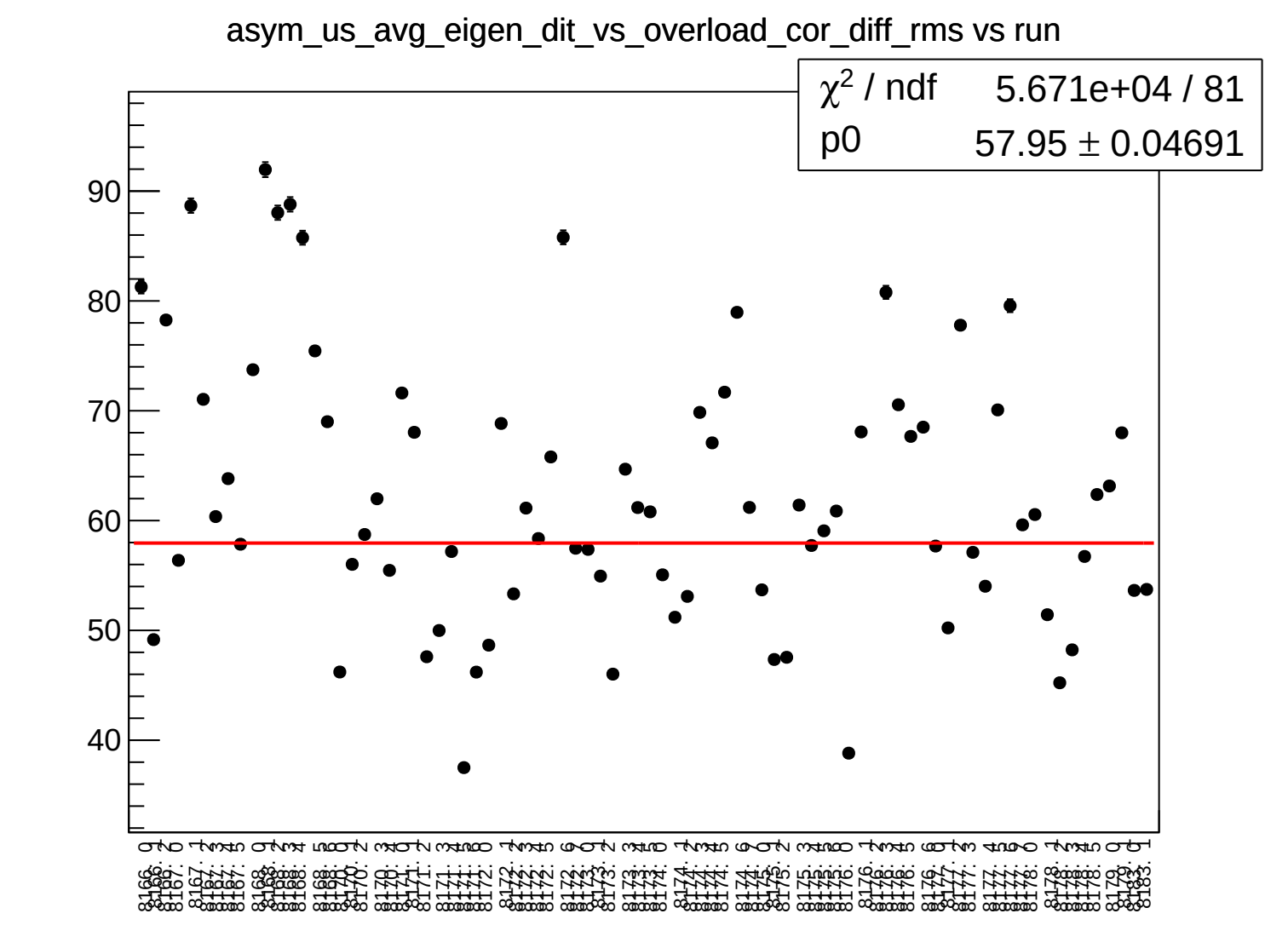

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.42 / 81
p0 0.009574 ± 0.05666
pull
Entries 82
Mean 5.203
Std Dev 0
pull1D
Entries 82
Mean −0.03269
Std Dev 1.044

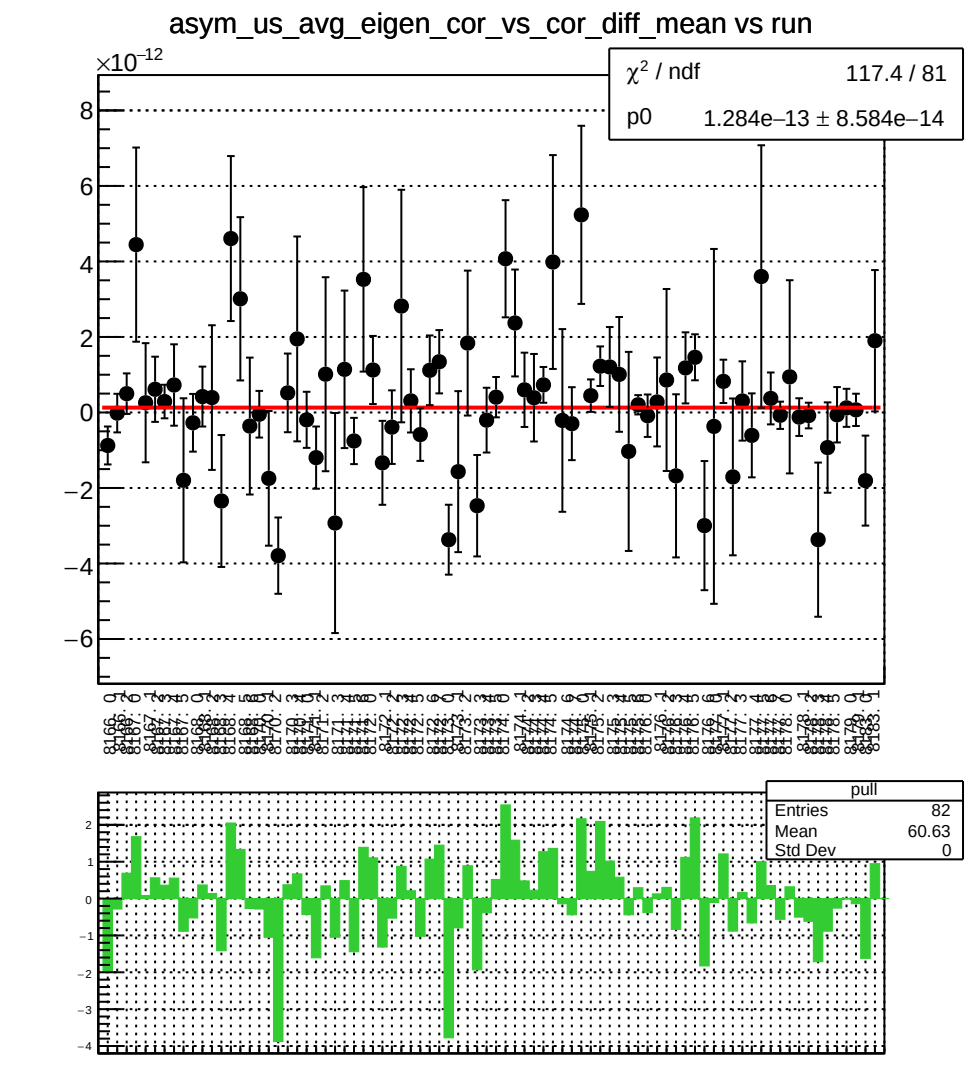

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.727e+04 / 81
p0 49.17 ± 0.04007
90
80
70
60
50
40
30

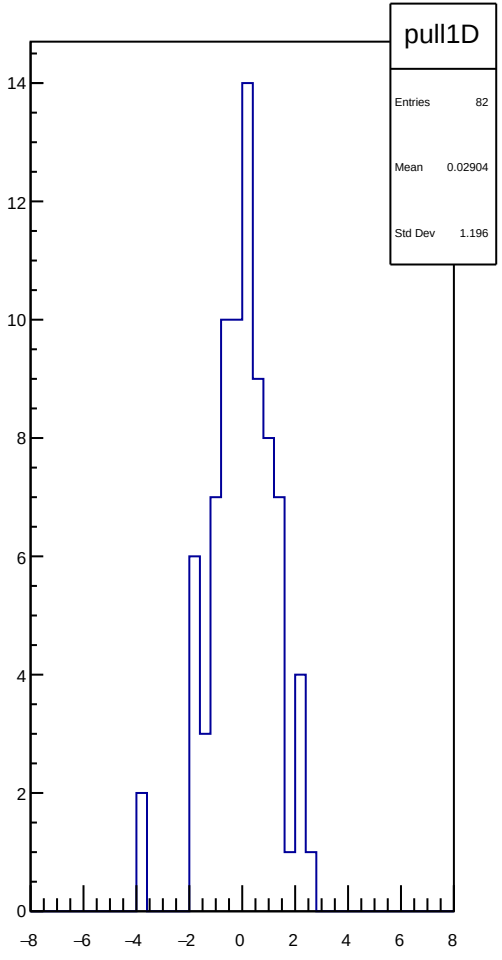

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.42 / 81
p0 0.009574 ± 0.05666
pull
Entries 82
Mean 5.203
Std Dev 0
pull1D
Entries 82
Mean −0.03269
Std Dev 1.044

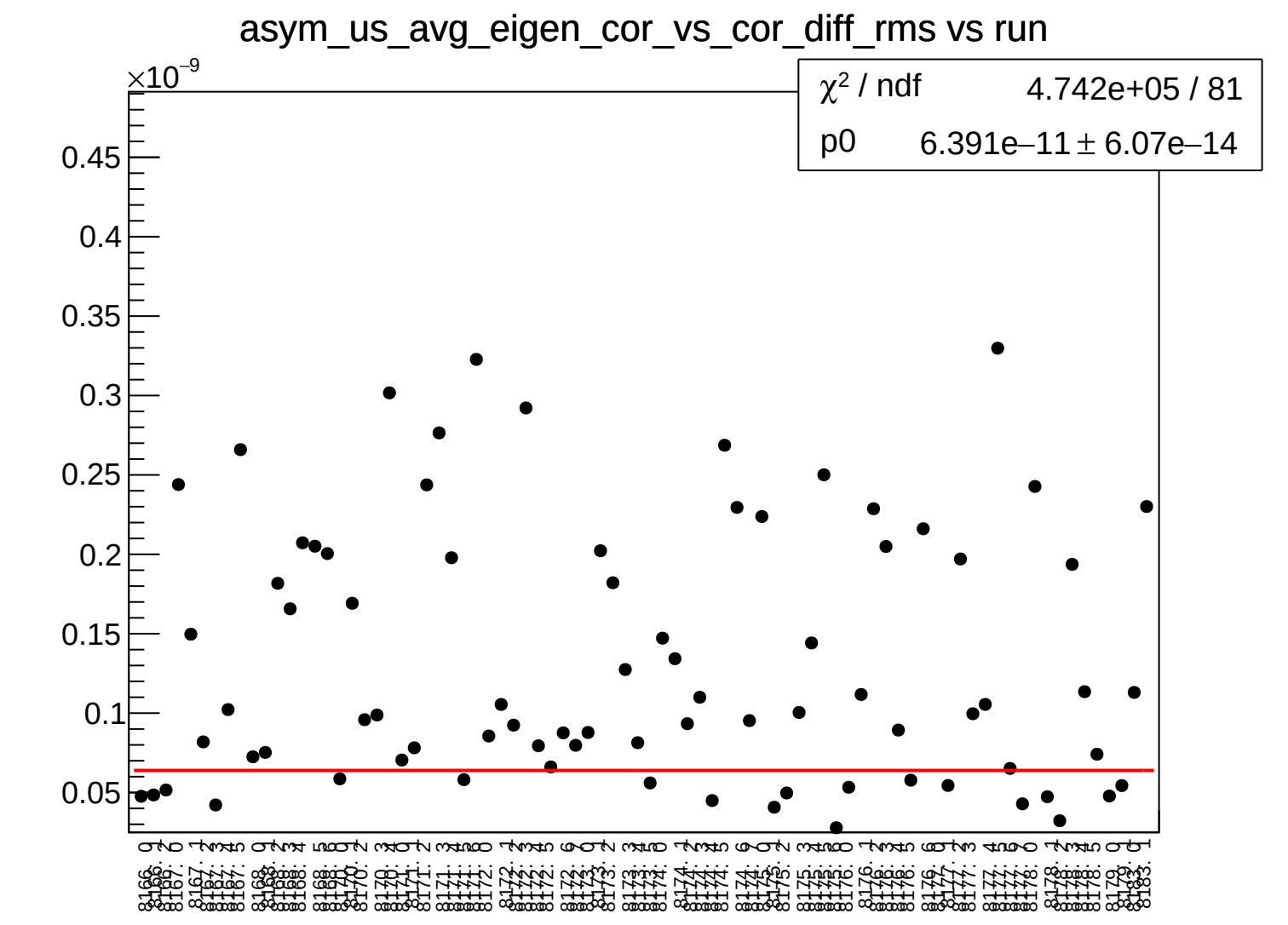

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.727e+04 / 81
p0 49.17 ± 0.04007
90
80
70
60
50
40
30

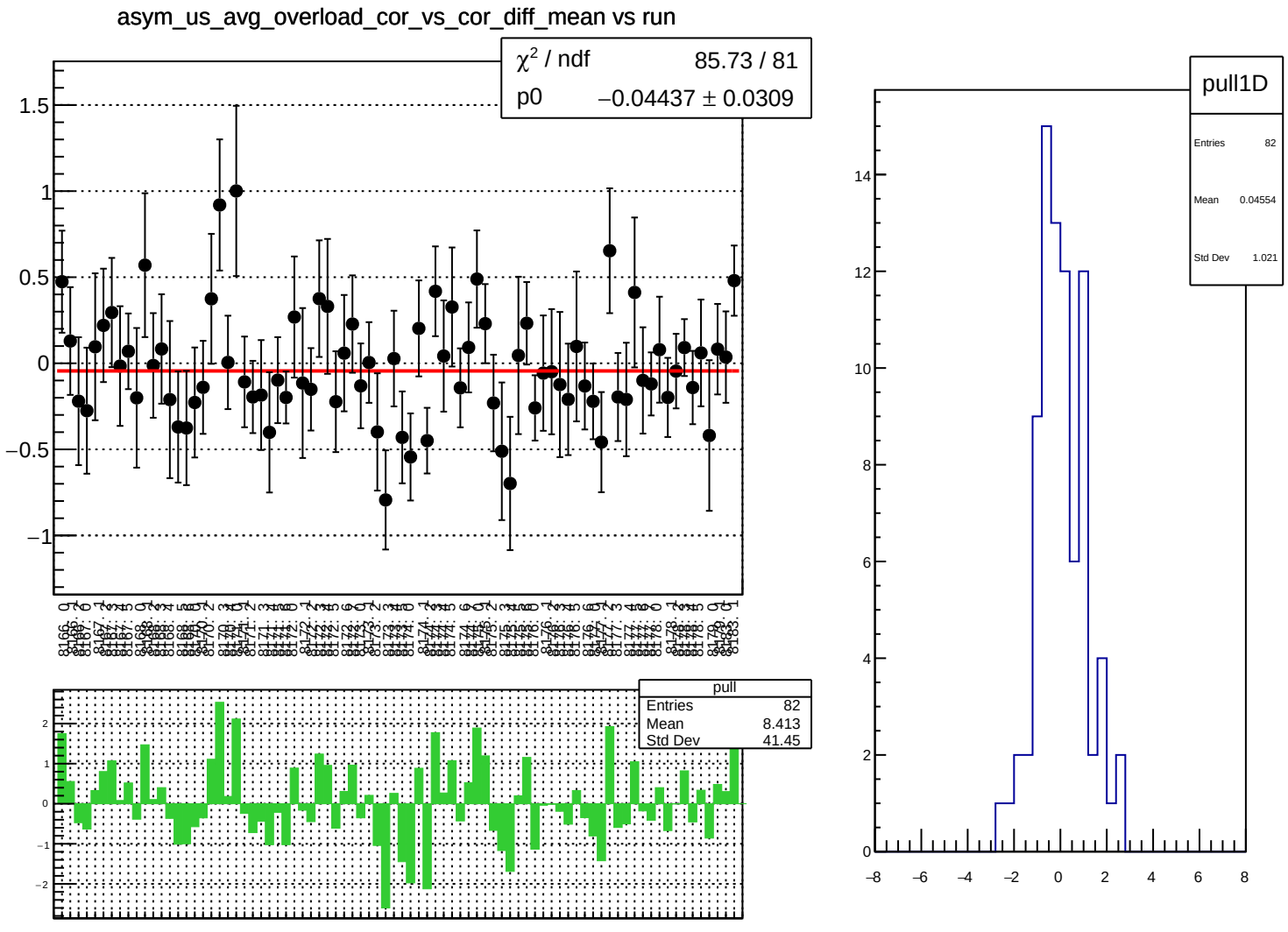

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 98.03 / 81
p0 0.05623 ± 0.06634
pull
Entries 82
Mean 1.645
Std Dev 0
pull1D
Entries 82
Mean −0.05008
Std Dev 1.092

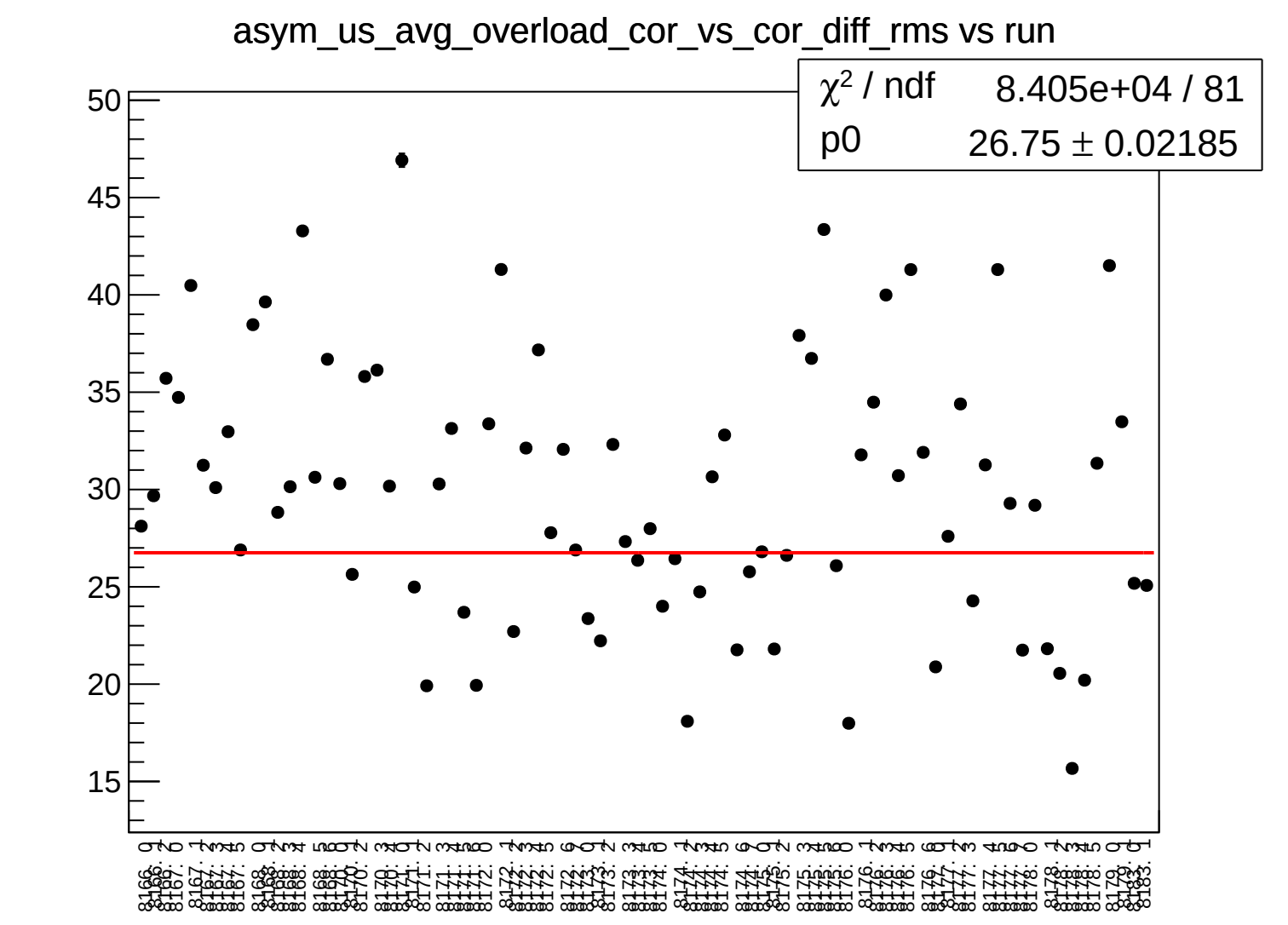

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.671e+04 / 81
p0 57.95 ± 0.04691
90
80
70
60
50
40

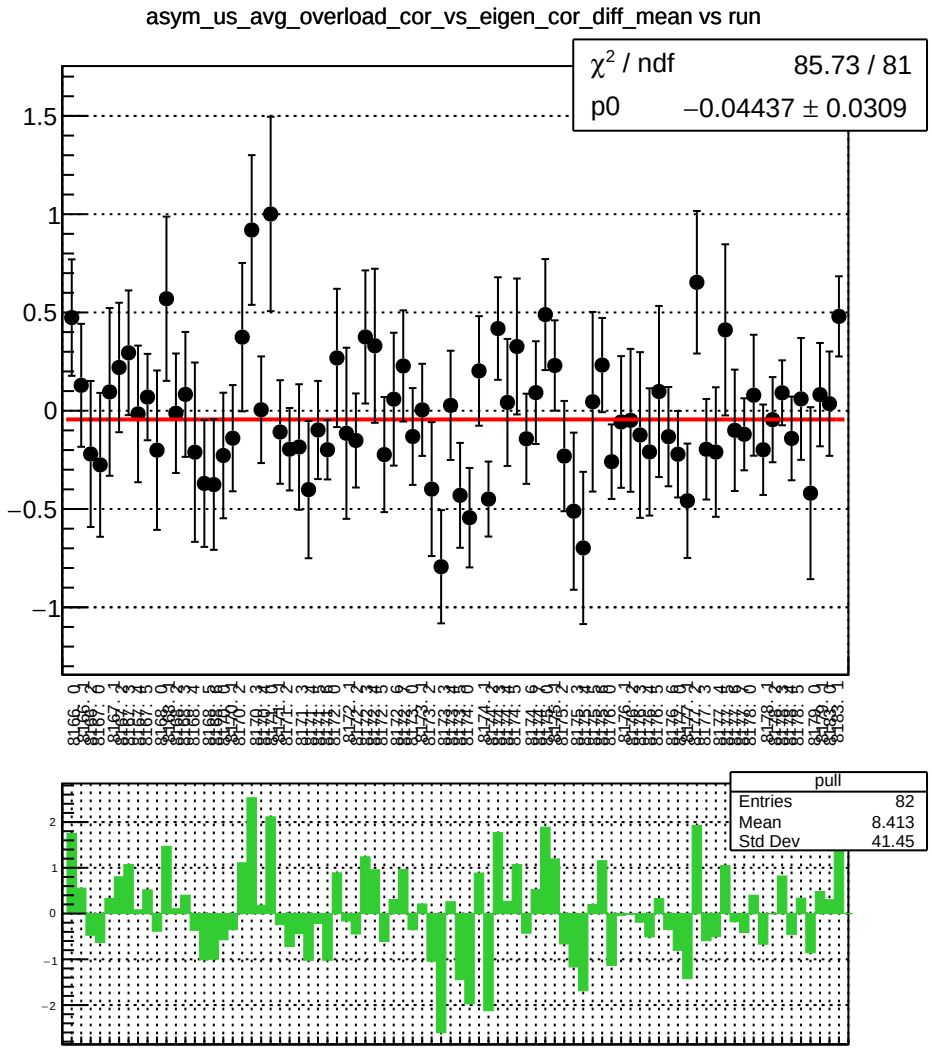

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 117.4 / 81
p0 1.284e−13 ± 8.584e−14
pull
Entries 82
Mean 60.63
Std Dev 0

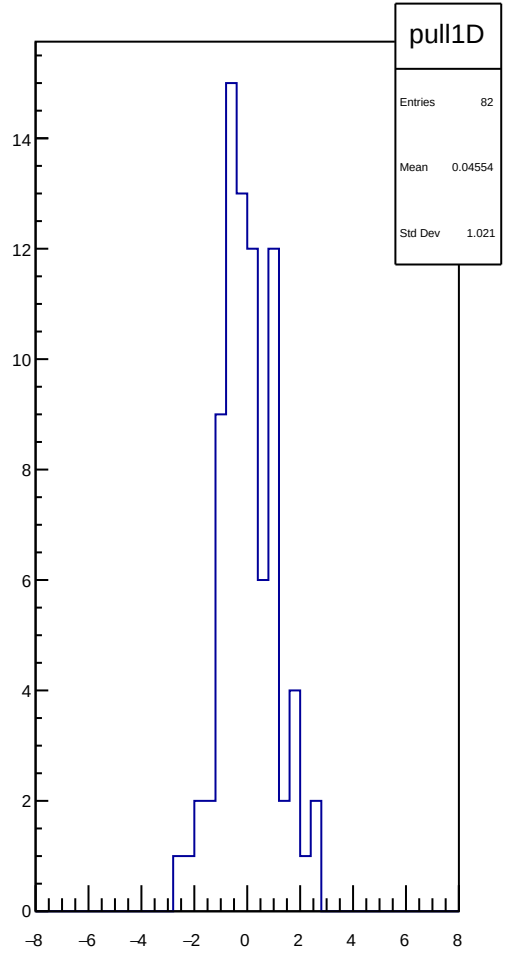

pull1D
Entries 82
Mean 0.02904
Std Dev 1.196

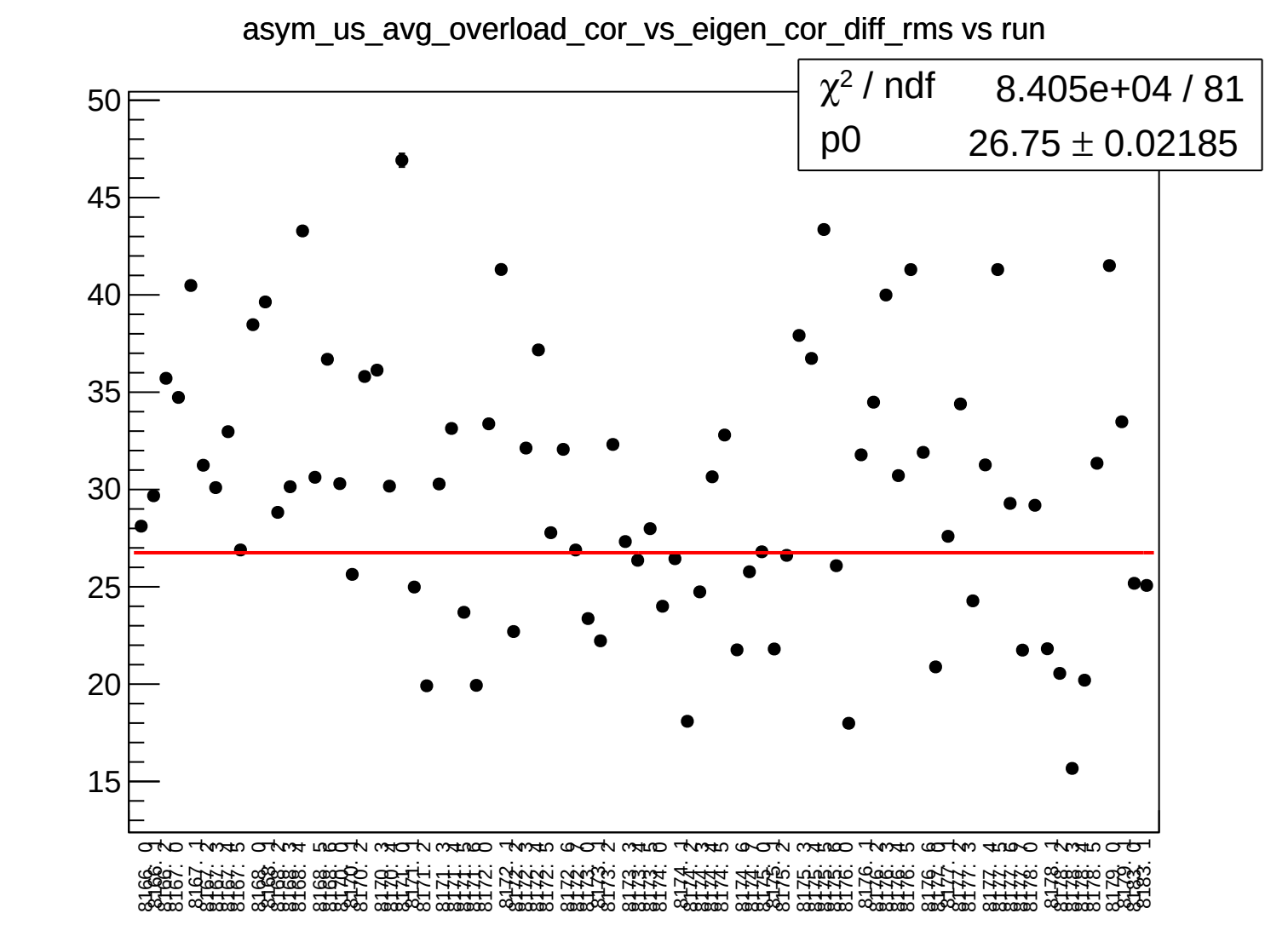

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.742e+05 / 81
p0 6.391e−11 ± 6.07e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

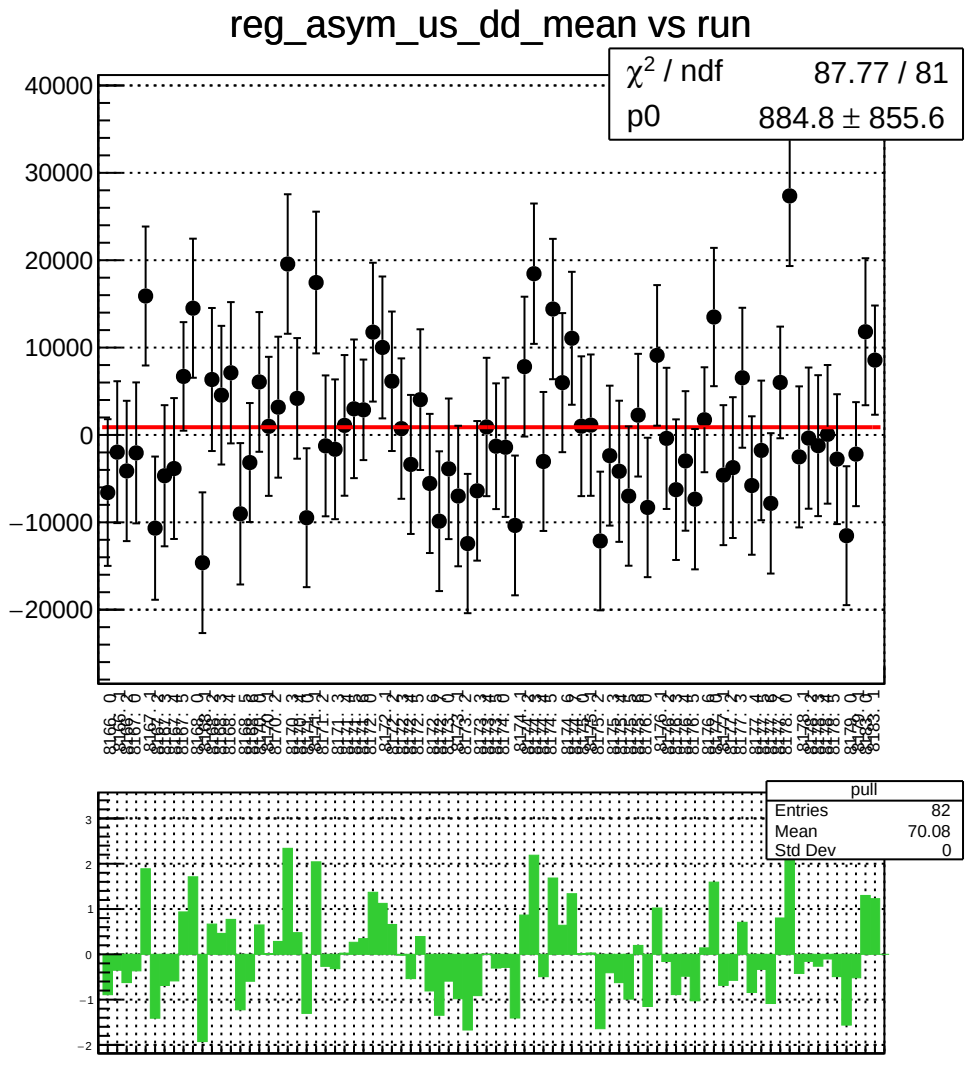

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 85.73 / 81
p0 −0.04437 ± 0.0309
pull
Entries 82
Mean 8.413
Std Dev 41.45
pull1D
Entries 82
Mean 0.04554
Std Dev 1.021

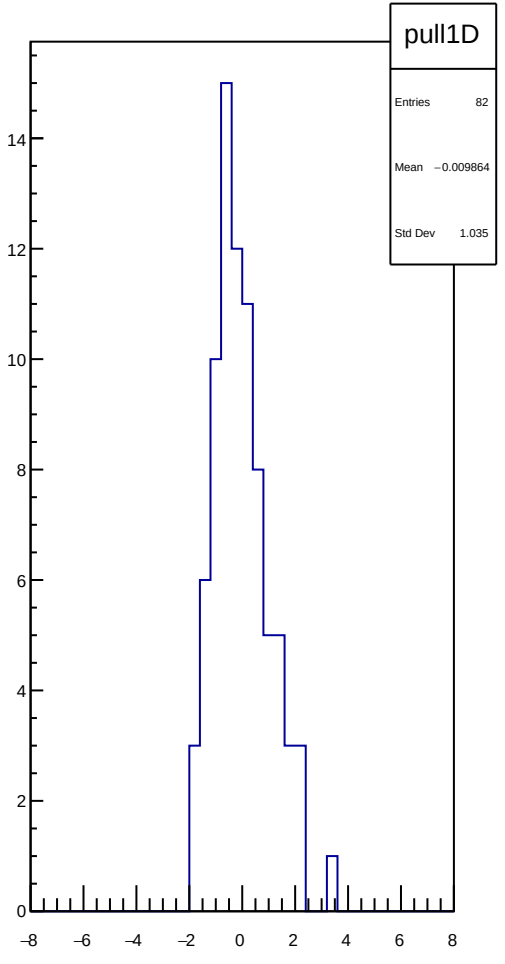

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 8.405e+04 / 81
p0 26.75 ± 0.02185
50
45
40
35
30
25
20
15

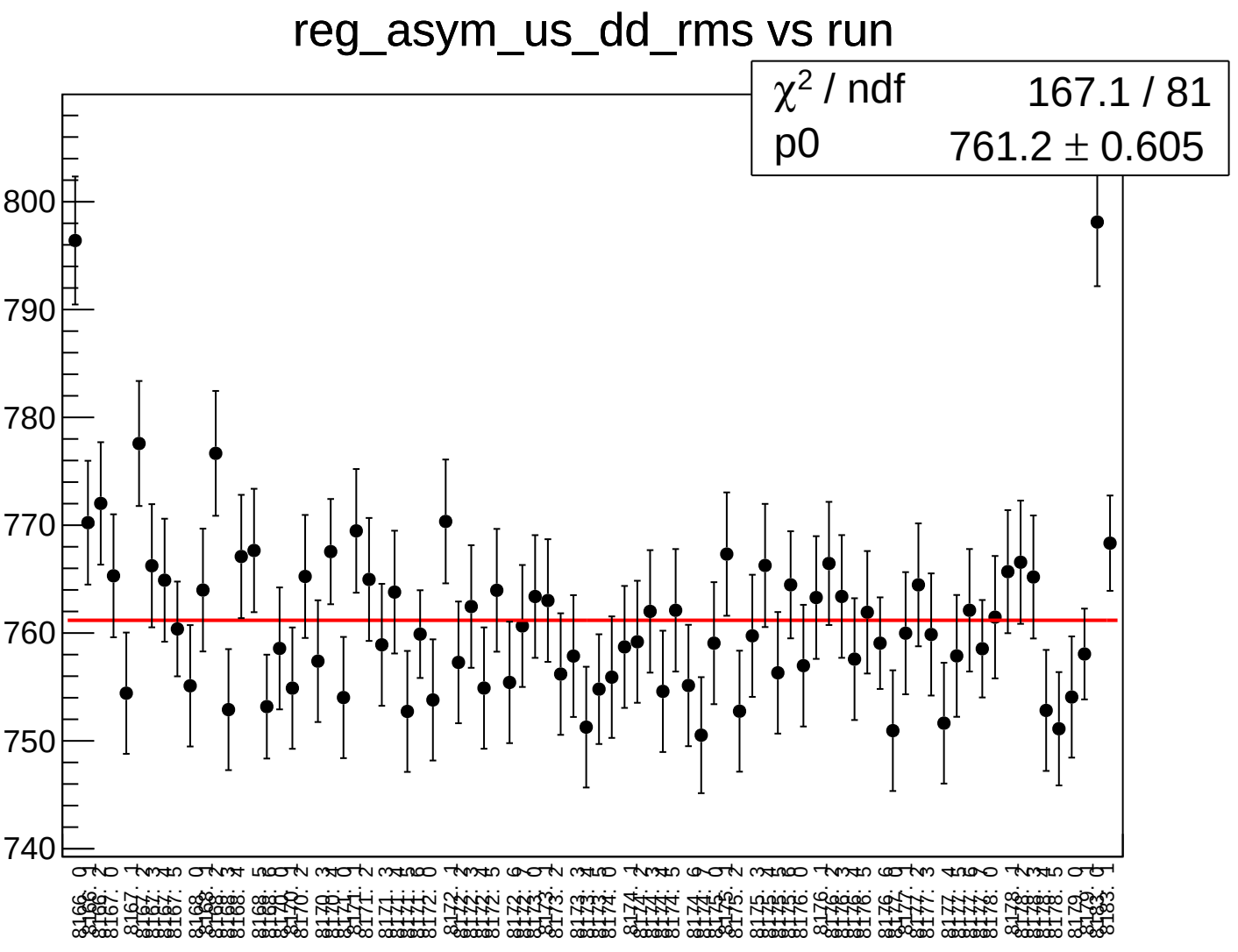

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.73 / 81
p0 −0.04437 ± 0.0309
pull
Entries 82
Mean 8.413
Std Dev 41.45

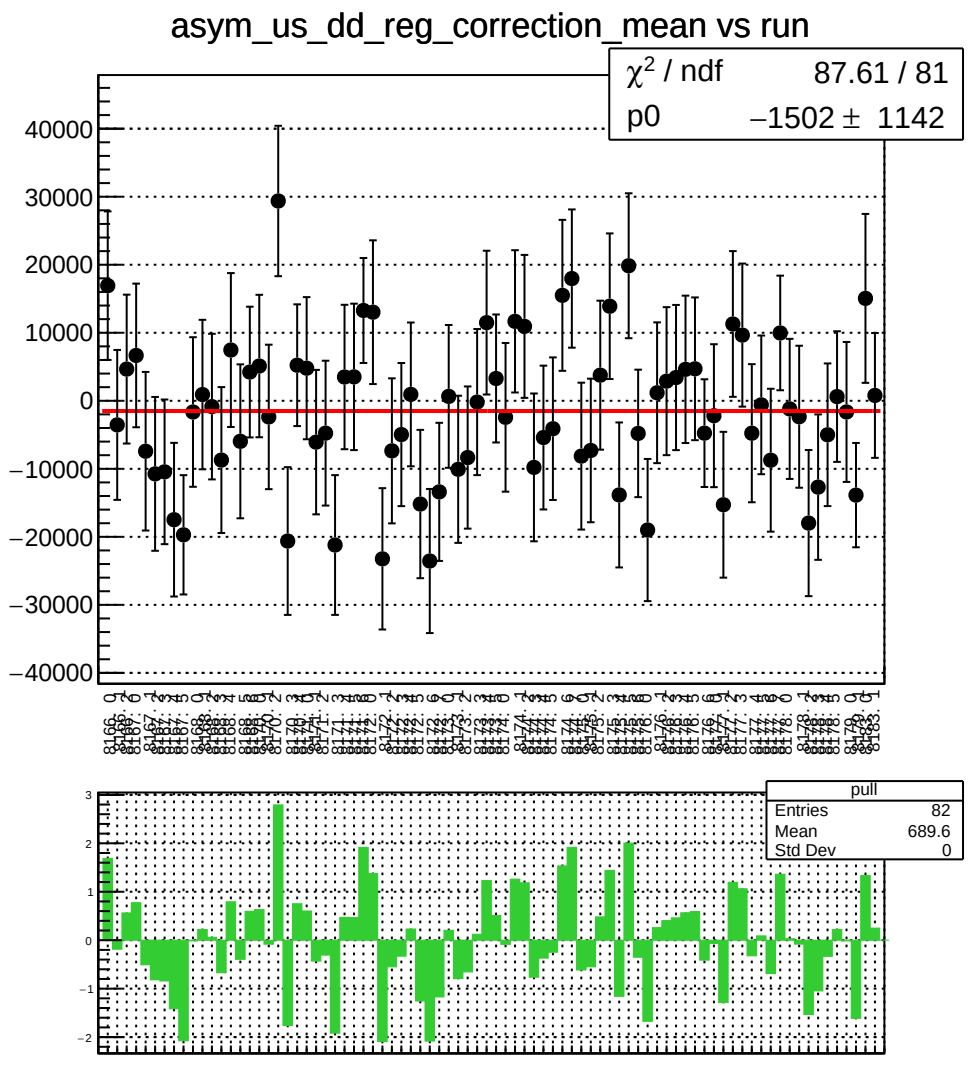

pull1D
Entries 82
Mean 0.04554
Std Dev 1.021

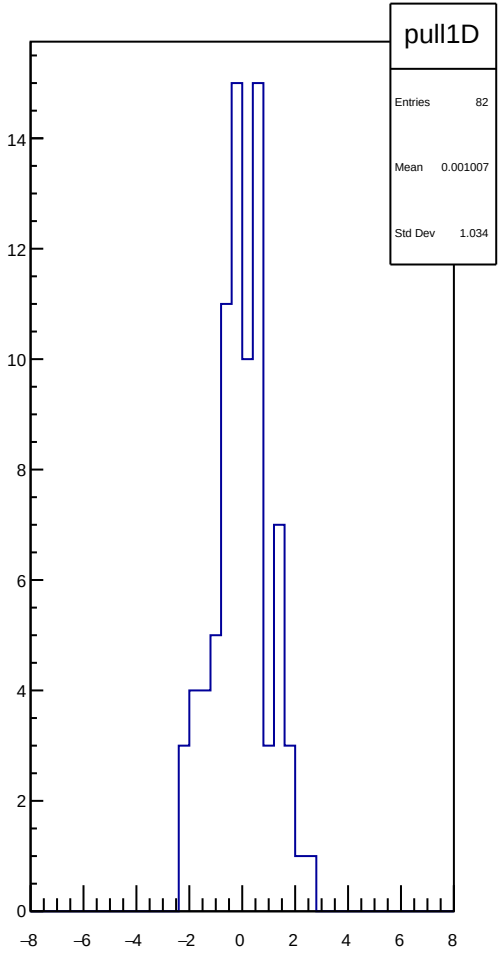

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.405e+04 / 81
p0 26.75 ± 0.02185
50
45
40
35
30
25
20
15

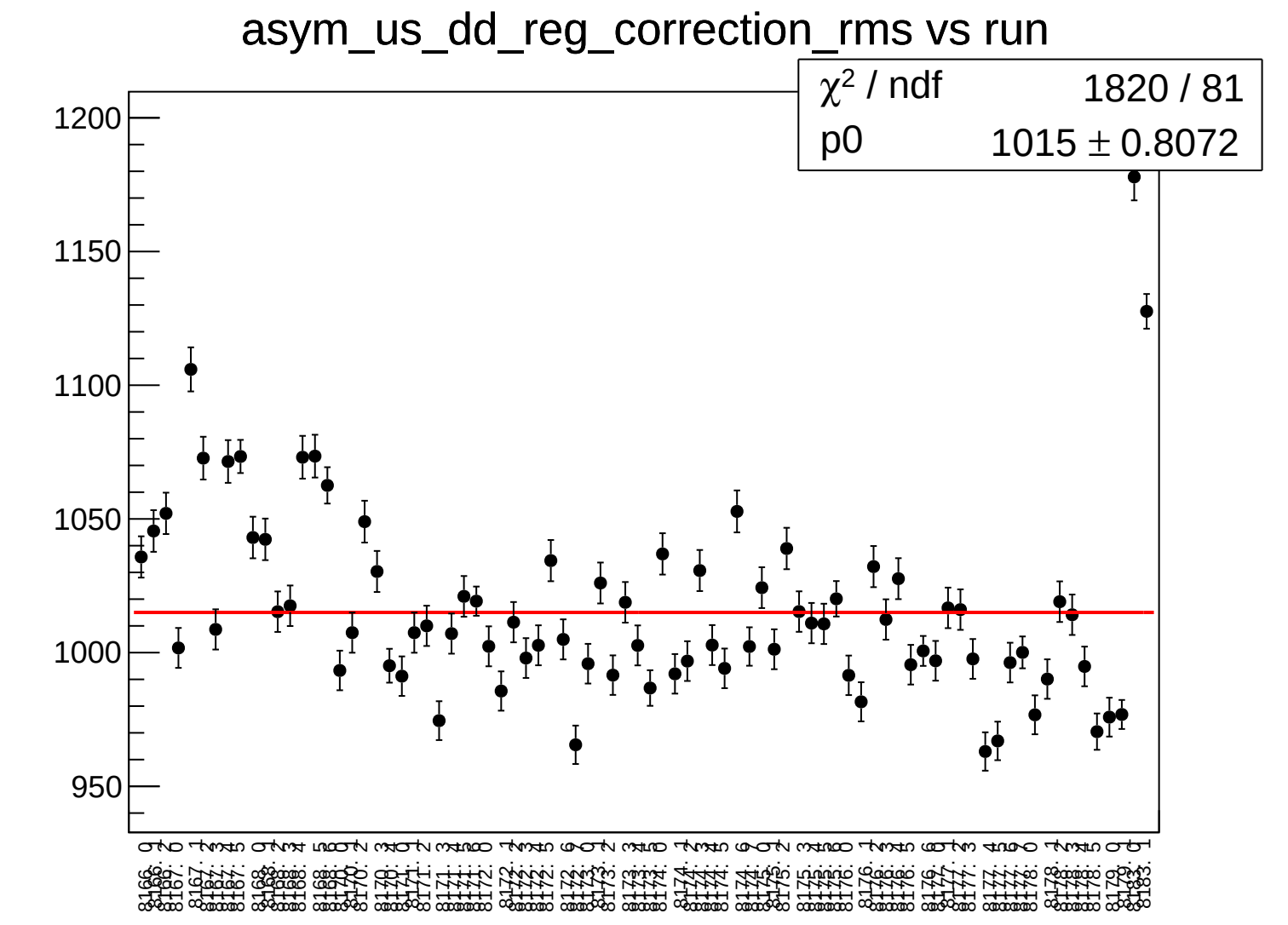

reg_asym_us_dd_mean vs run
χ² / ndf 87.77 / 81
p0 884.8 ± 855.6
pull
Entries 82
Mean 70.08
Std Dev 0

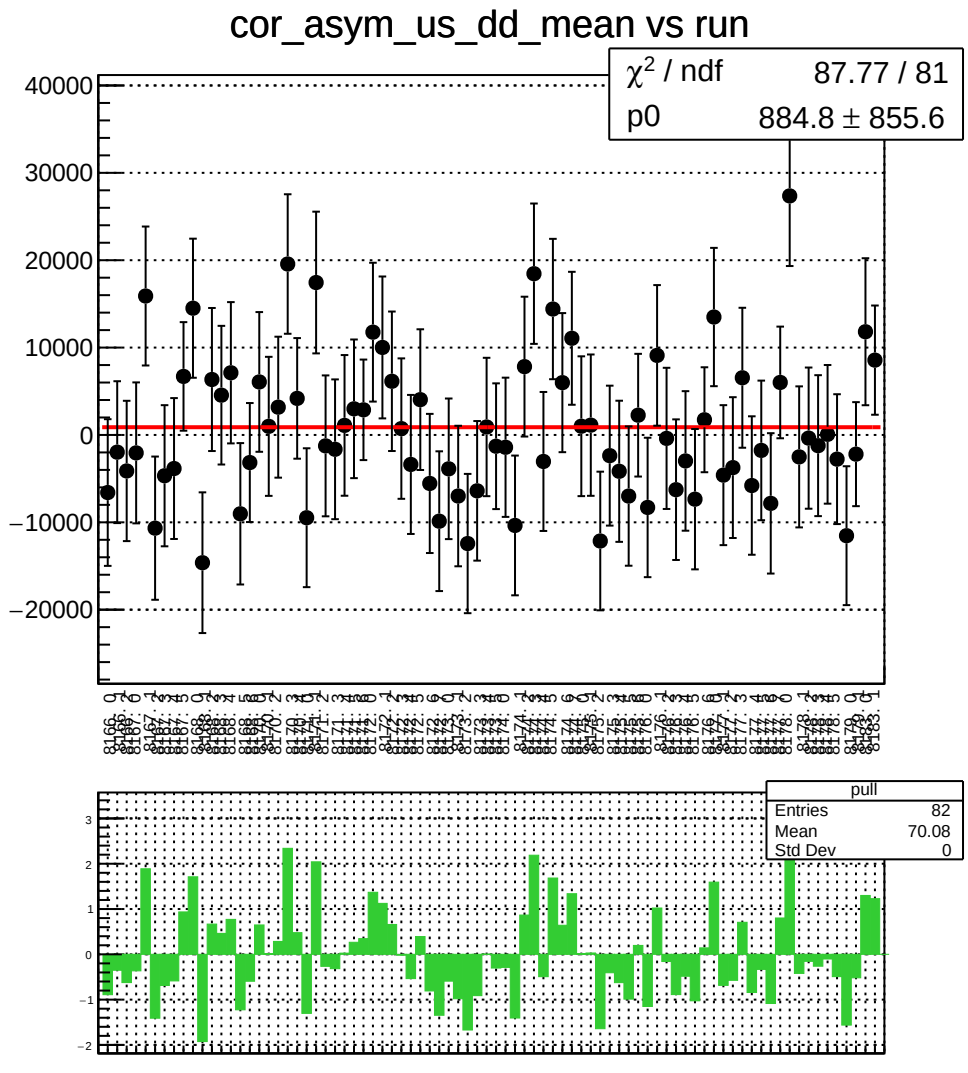

pull1D
Entries 82
Mean −0.009864
Std Dev 1.035

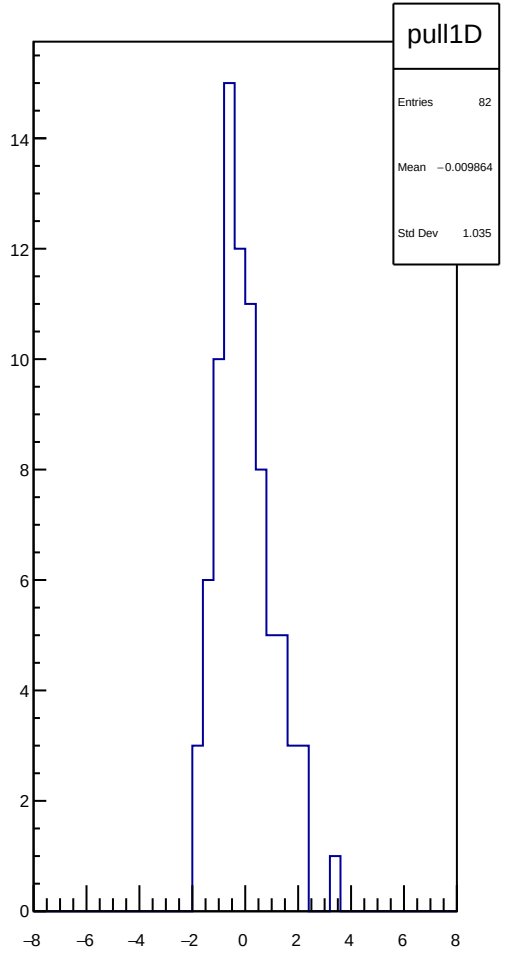

reg_asym_us_dd_rms vs run
χ^2 / ndf 167.1 / 81
p0 761.2 ± 0.605
800
790
780
770
760
750
740

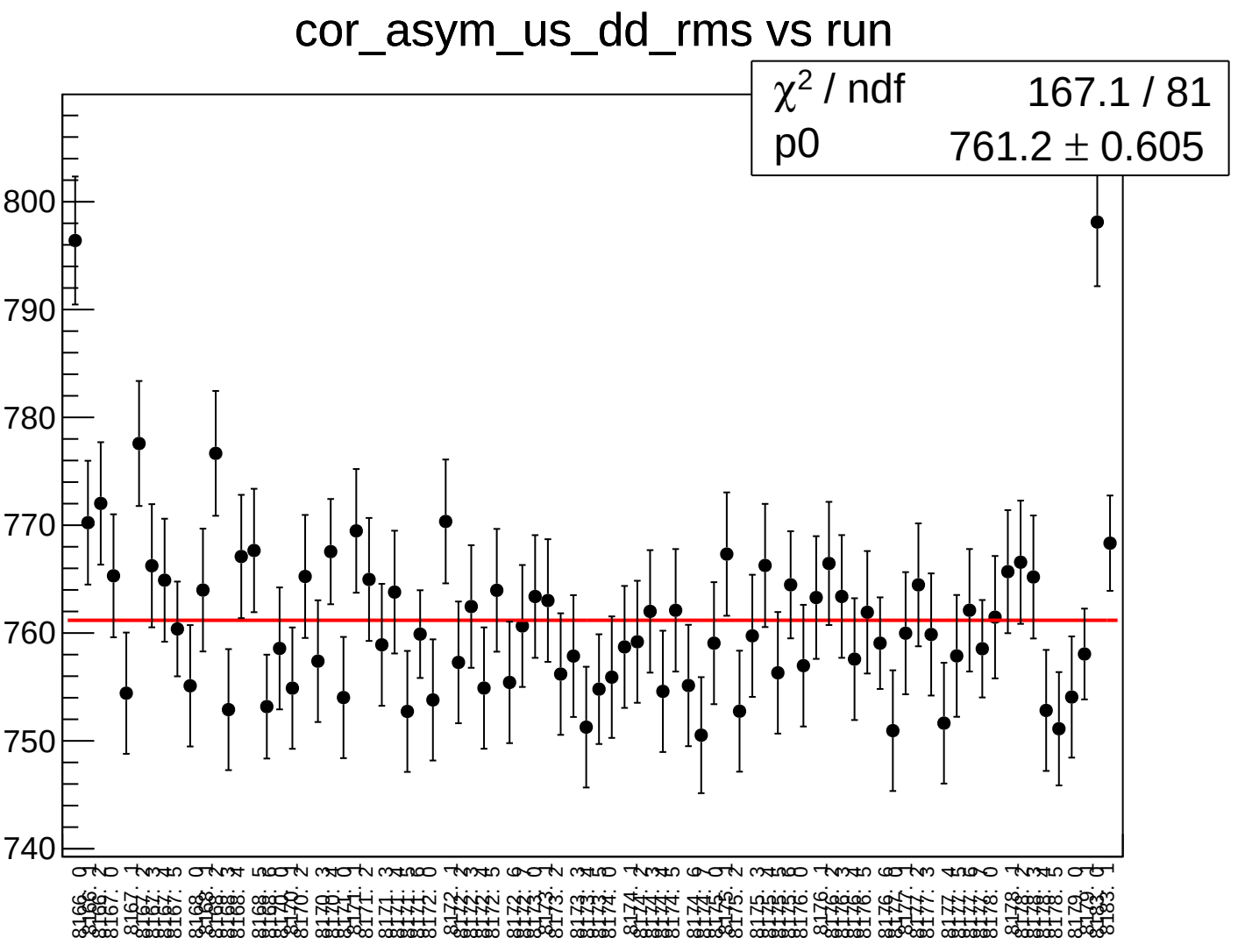

asym_us_dd_reg_correction_mean vs run
χ² / ndf 87.61 / 81
p0 −1502 ± 1142
pull
Entries 82
Mean 689.6
Std Dev 0

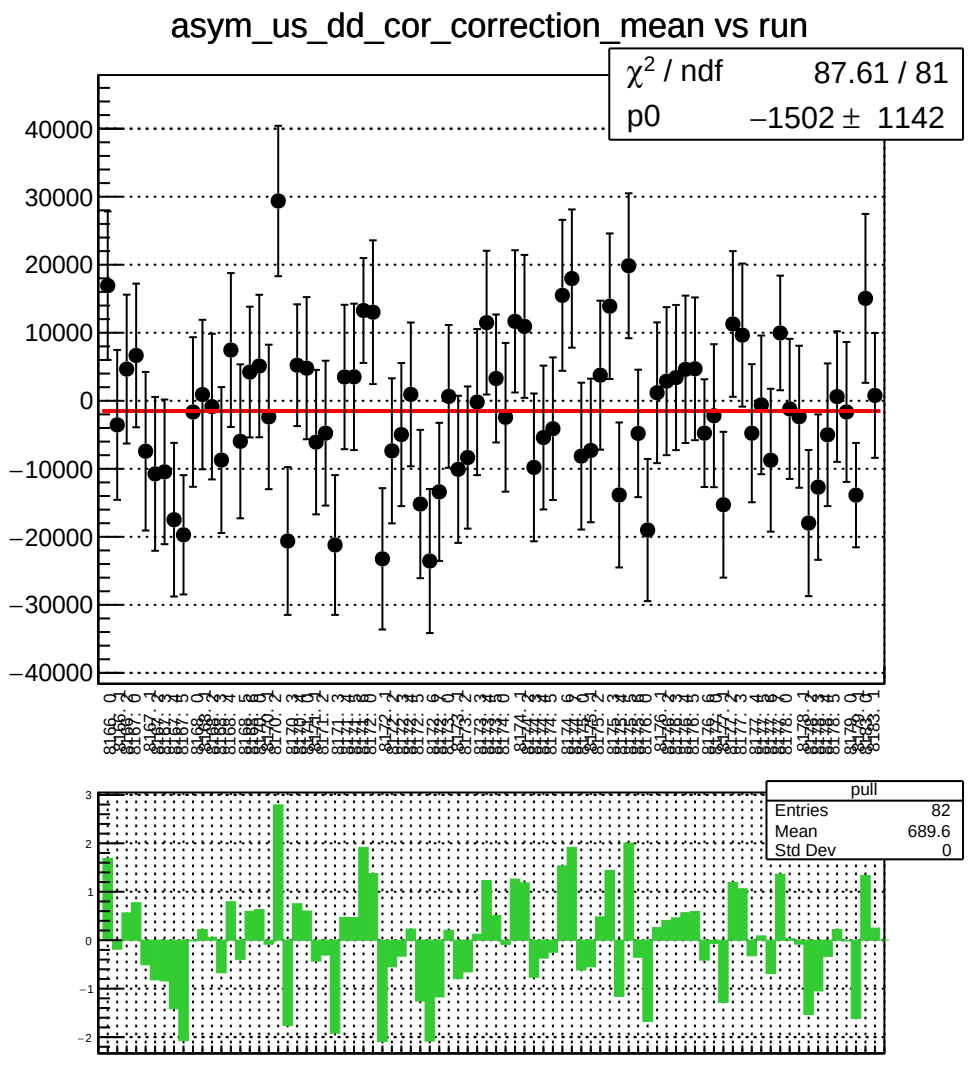

pull1D
Entries 82
Mean 0.001007
Std Dev 1.034

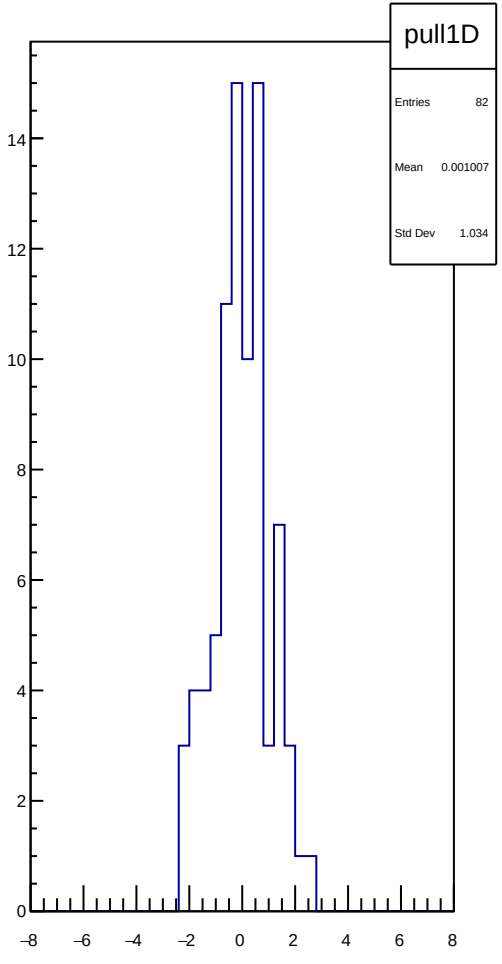

asym_us_dd_reg_correction_rms vs run
χ² / ndf 1820 / 81
p0 1015 ± 0.8072
1200
1150
1100
1050
1000
950

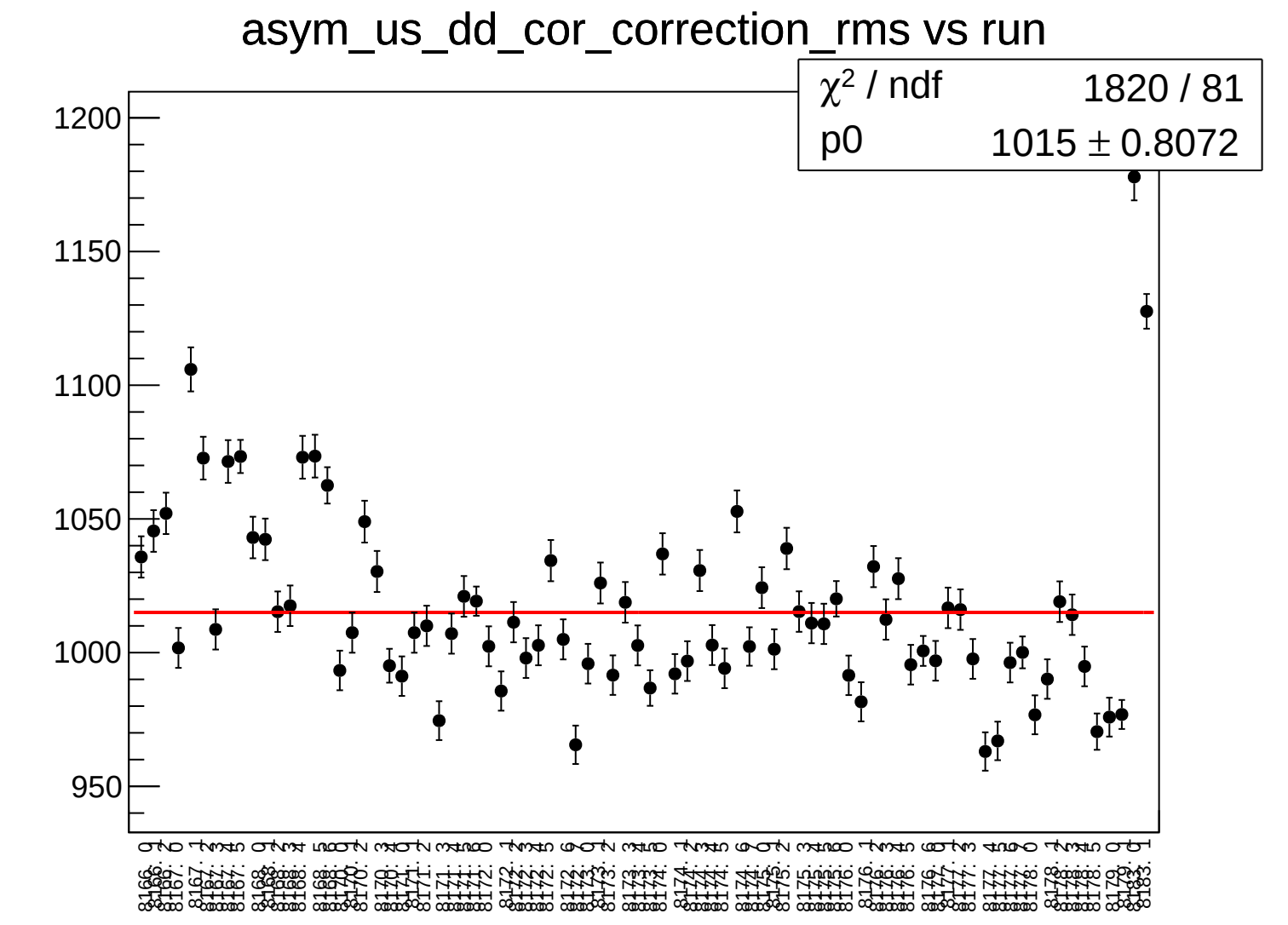

cor_asym_us_dd_mean vs run
χ² / ndf 87.77 / 81
p0 884.8 ± 855.6
pull
Entries 82
Mean 70.08
Std Dev 0

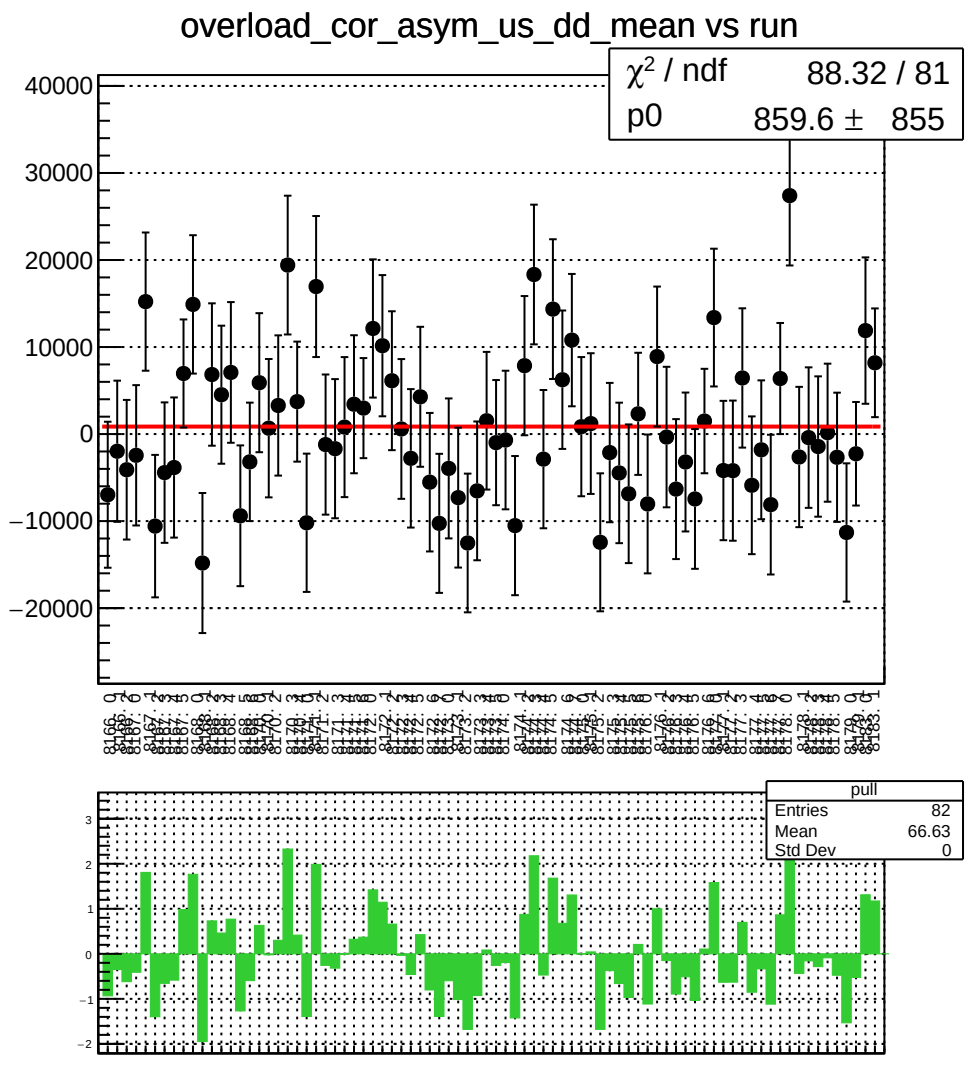

pull1D
Entries 82
Mean −0.009864
Std Dev 1.035

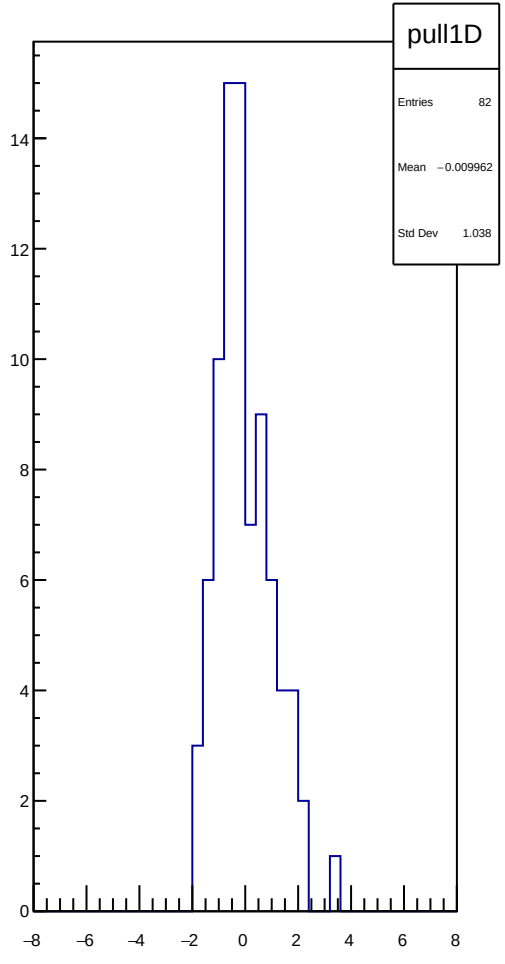

cor_asym_us_dd_rms vs run
χ^2 / ndf 167.1 / 81
p0 761.2 ± 0.605
800
790
780
770
760
750
740

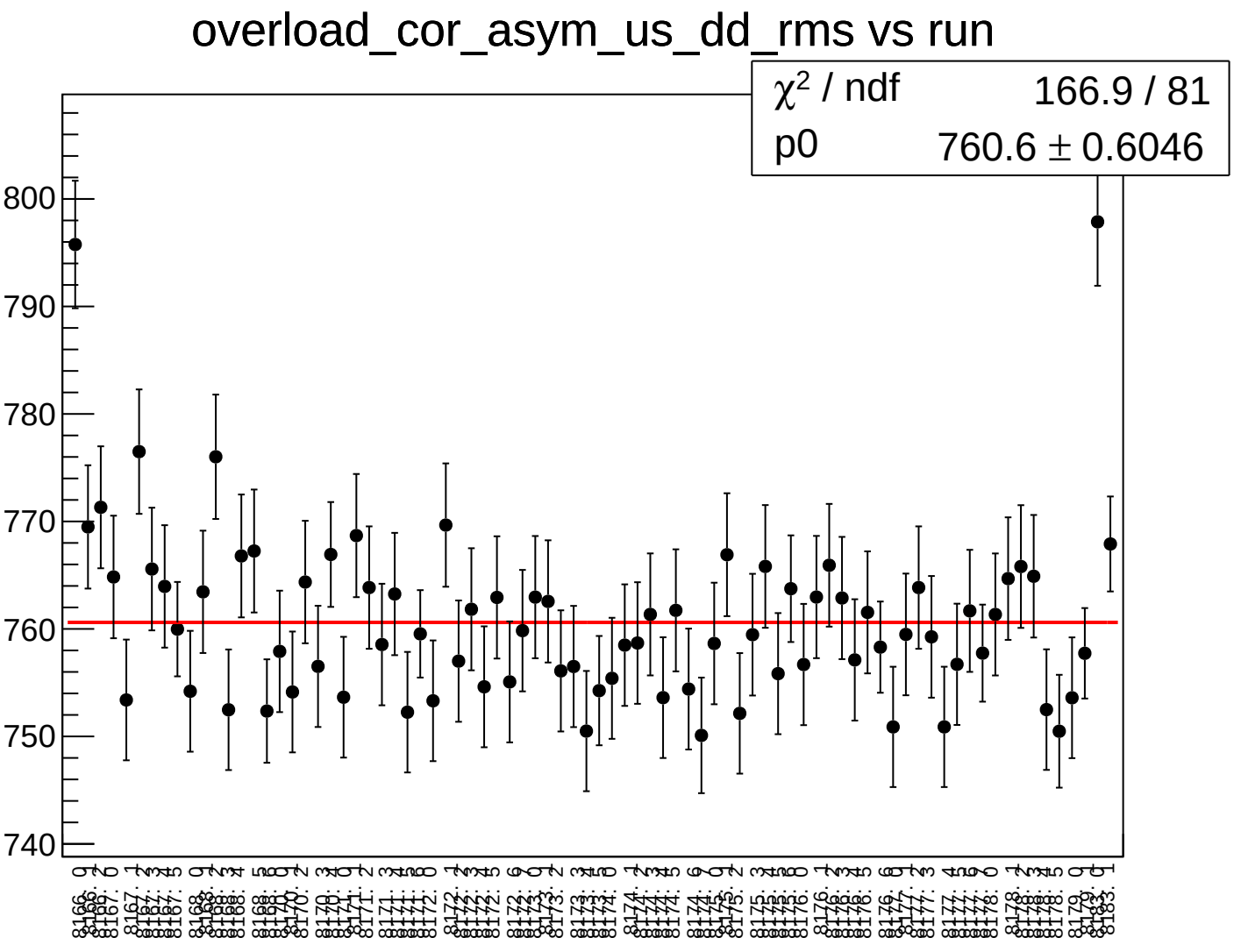

asym_us_dd_cor_correction_mean vs run
χ² / ndf 87.61 / 81
p0 −1502 ± 1142
pull
Entries 82
Mean 689.6
Std Dev 0

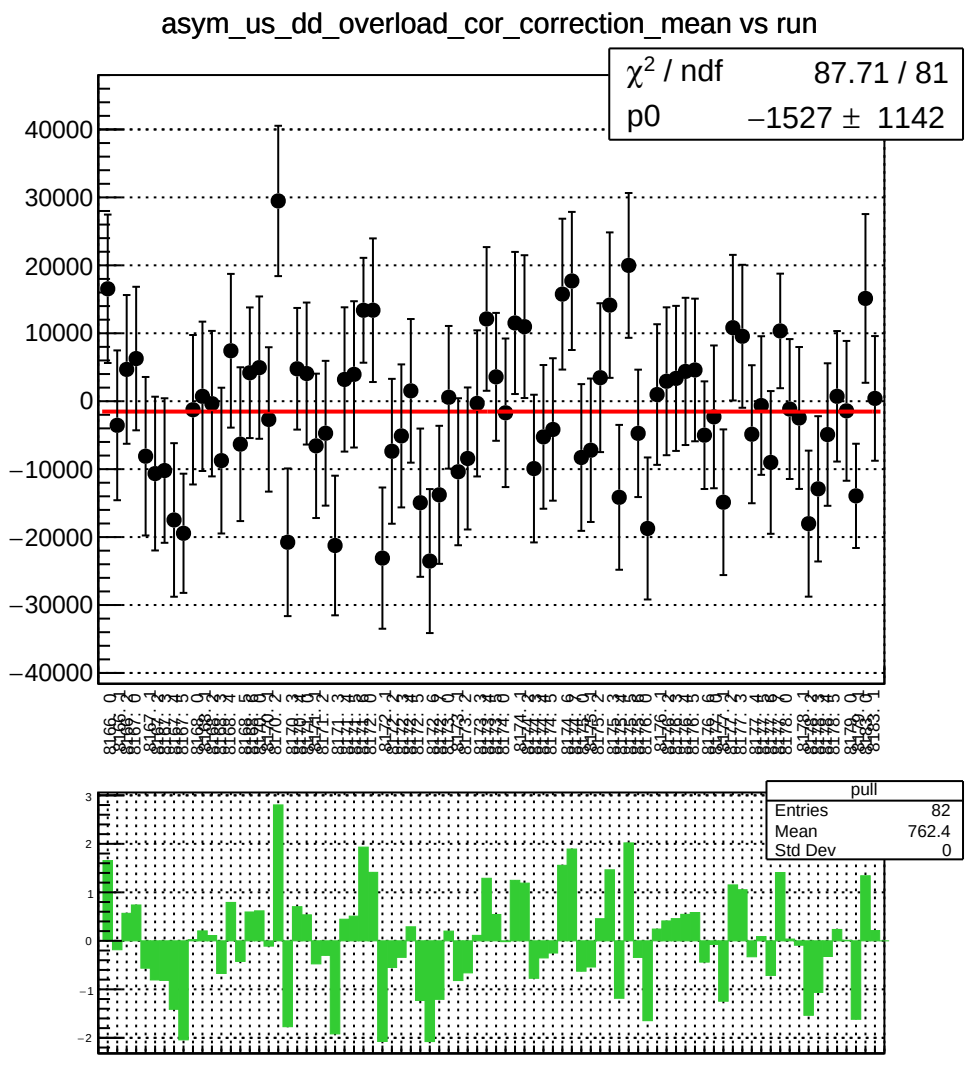

pull1D
Entries 82
Mean 0.001007
Std Dev 1.034

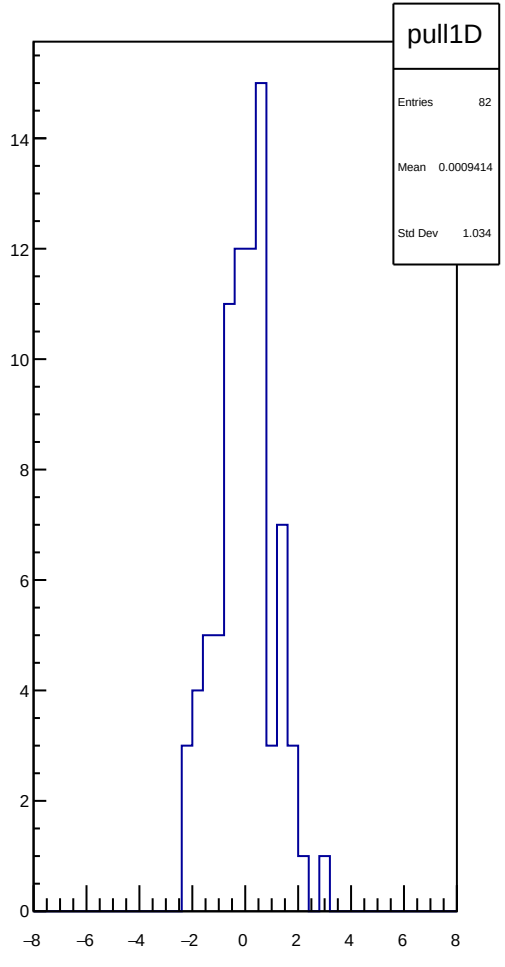

asym_us_dd_cor_correction_rms vs run
χ² / ndf 1820 / 81
p0 1015 ± 0.8072
1200
1150
1100
1050
1000
950

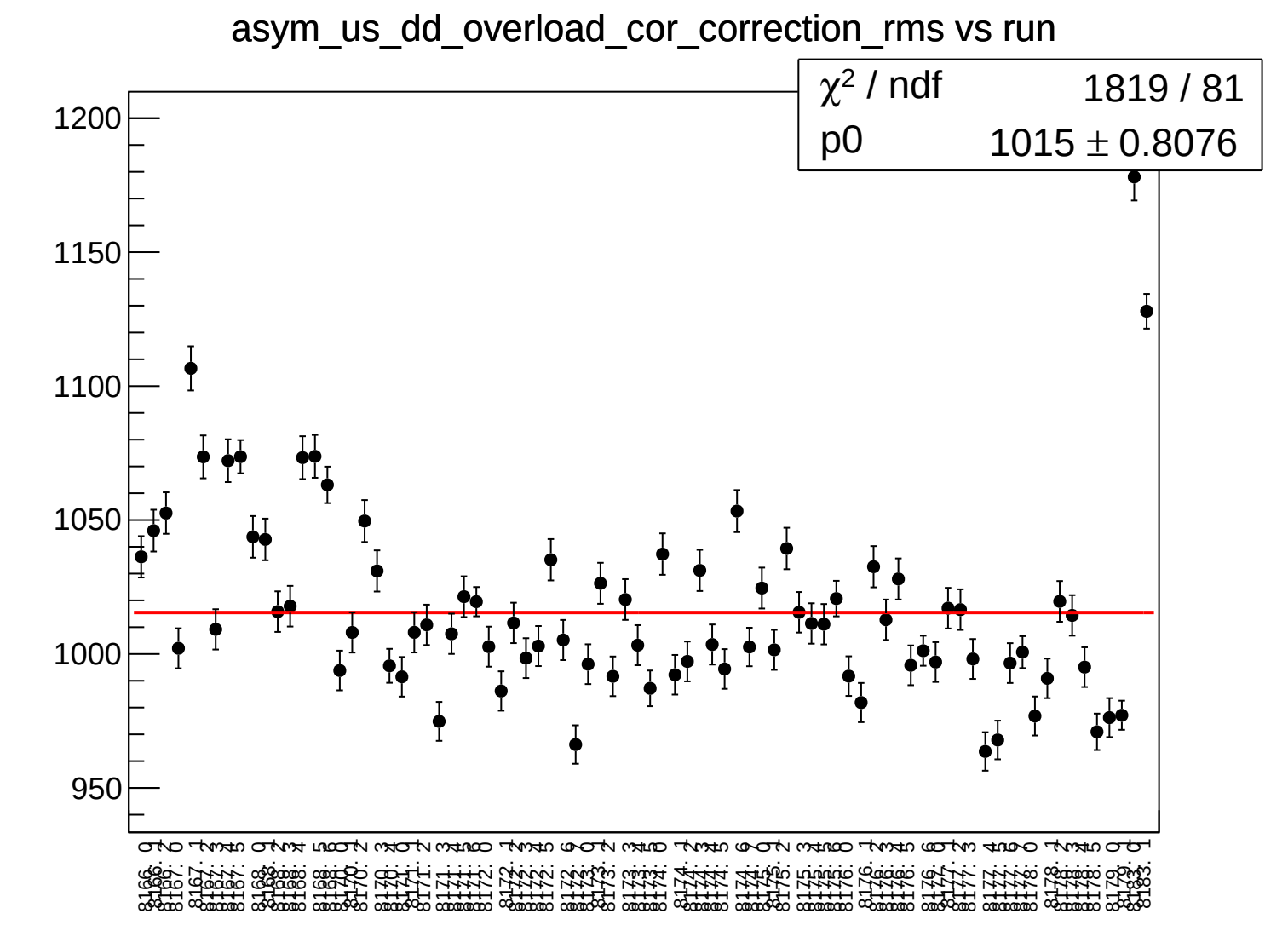

overload_cor_asym_us_dd_mean vs run
χ² / ndf 88.32 / 81
p0 859.6 ± 855
pull
Entries 82
Mean 66.63
Std Dev 0

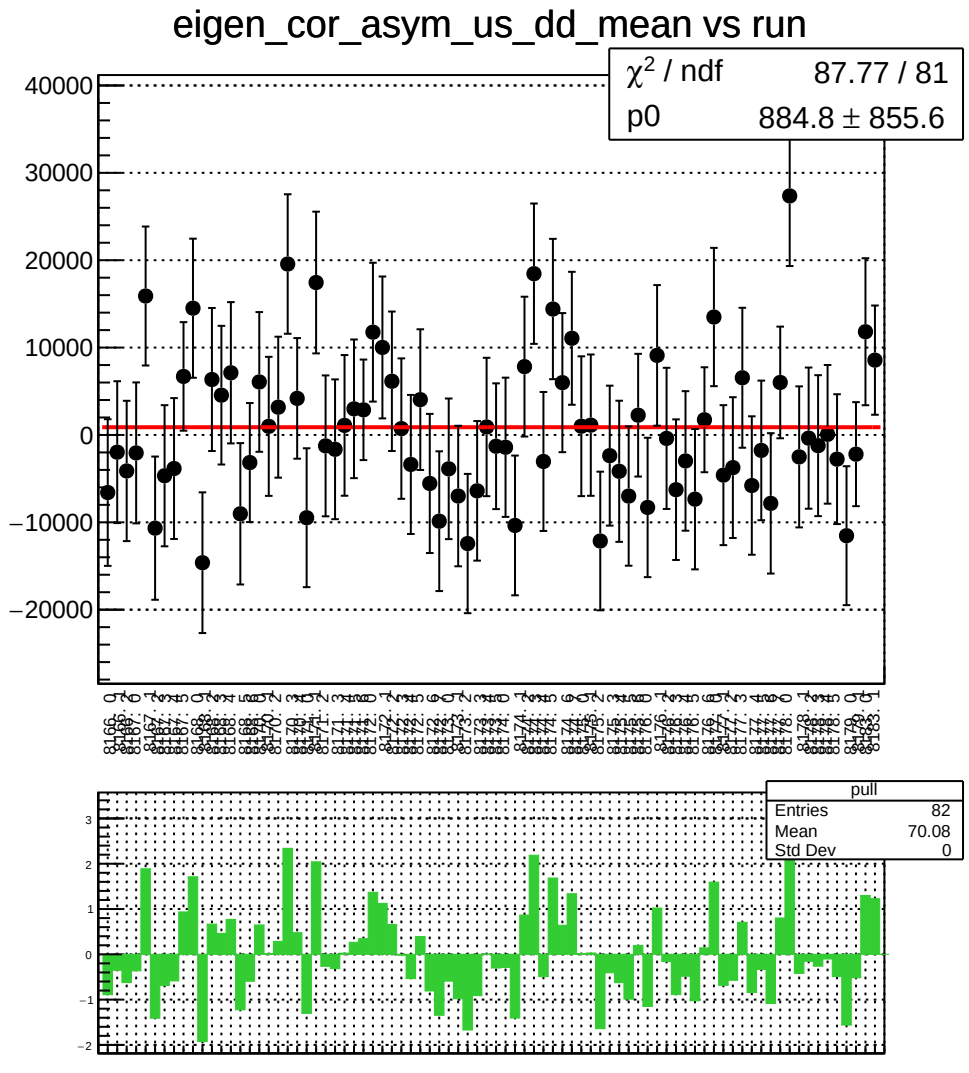

pull1D
Entries 82
Mean −0.009962
Std Dev 1.038

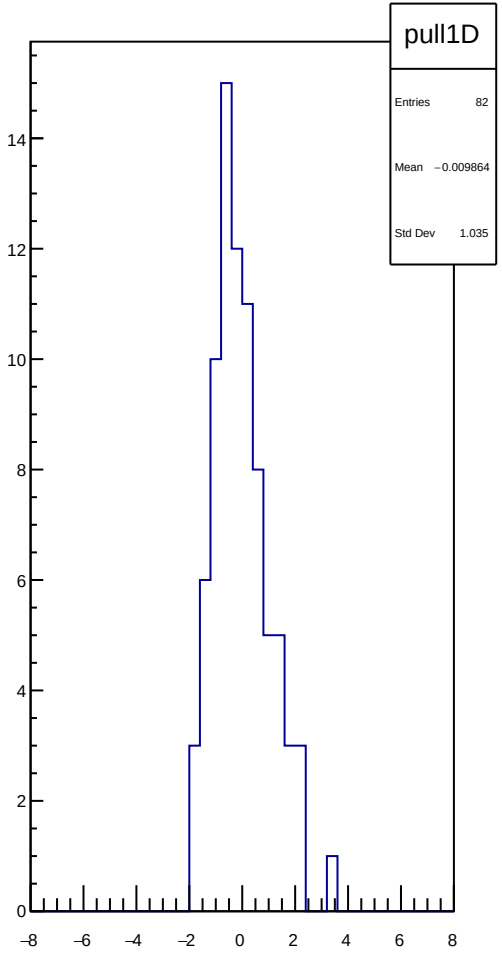

overload_cor_asym_us_dd_rms vs run
χ² / ndf 166.9 / 81
p0 760.6 ± 0.6046
800
790
780
770
760
750
740

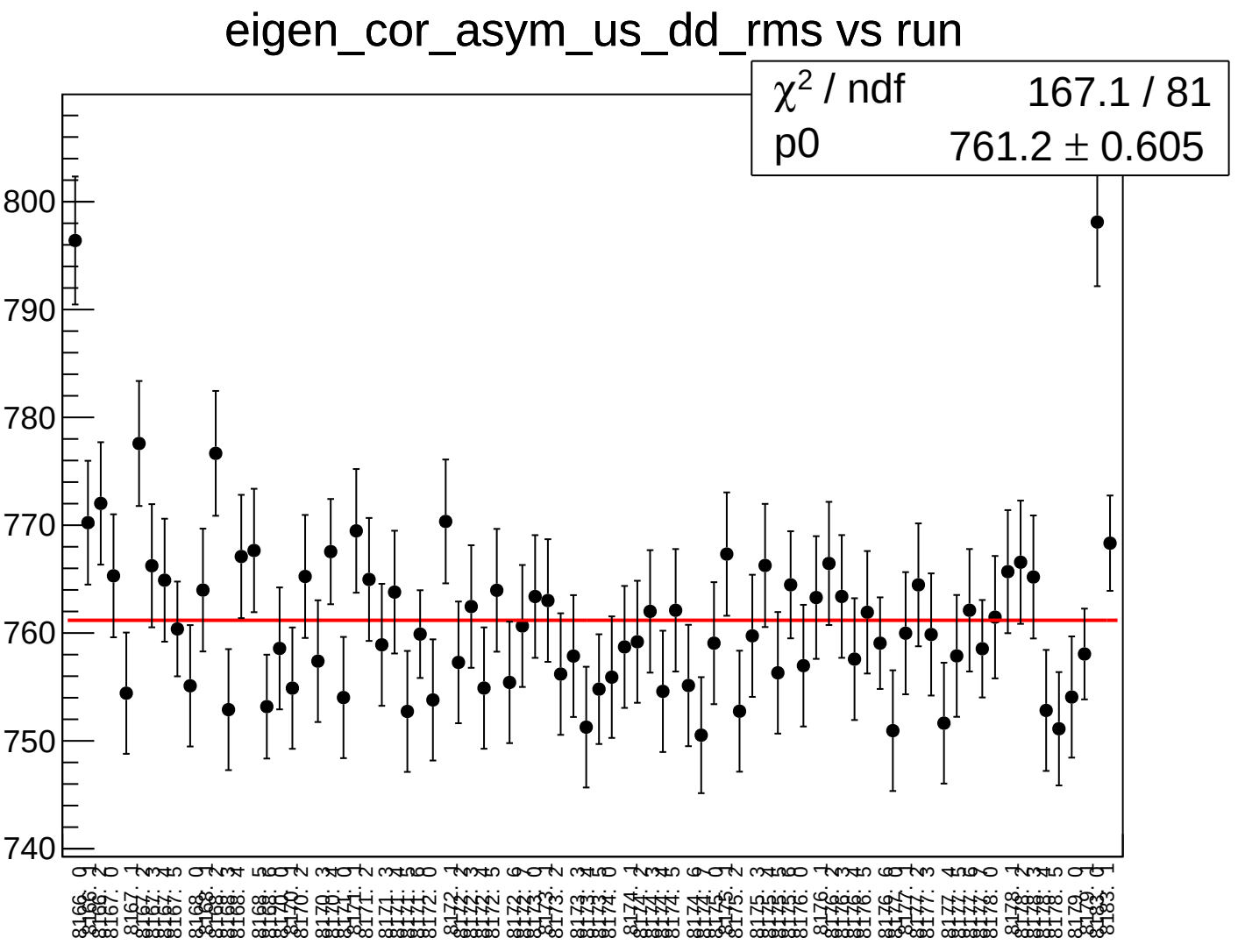

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 87.71 / 81
p0 −1527 ± 1142
pull
Entries 82
Mean 762.4
Std Dev 0

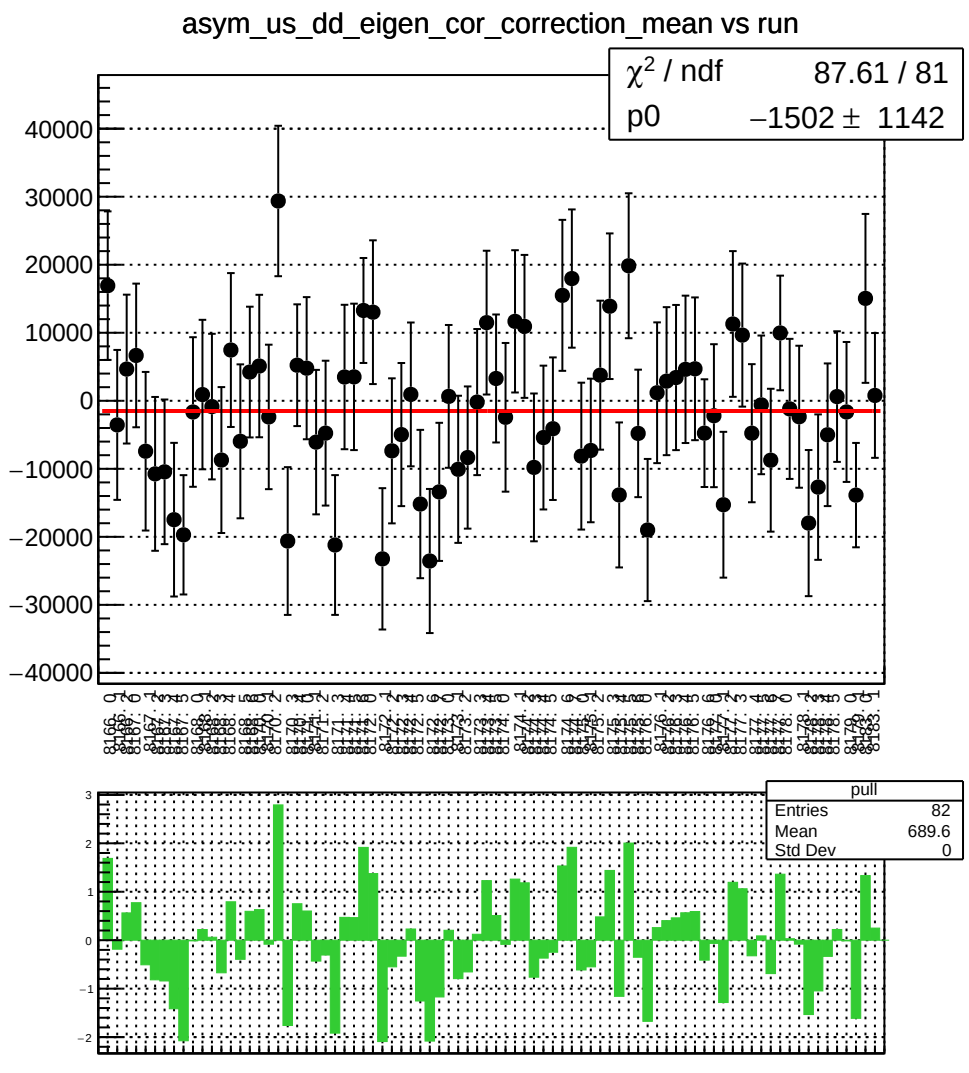

pull1D
Entries 82
Mean 0.0009414
Std Dev 1.034

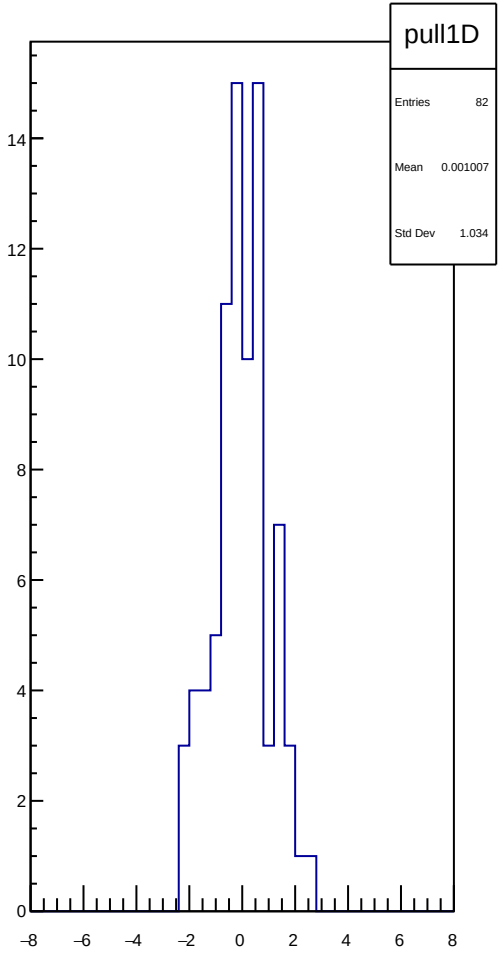

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 1819 / 81
p0 1015 ± 0.8076
1200
1150
1100
1050
1000
950

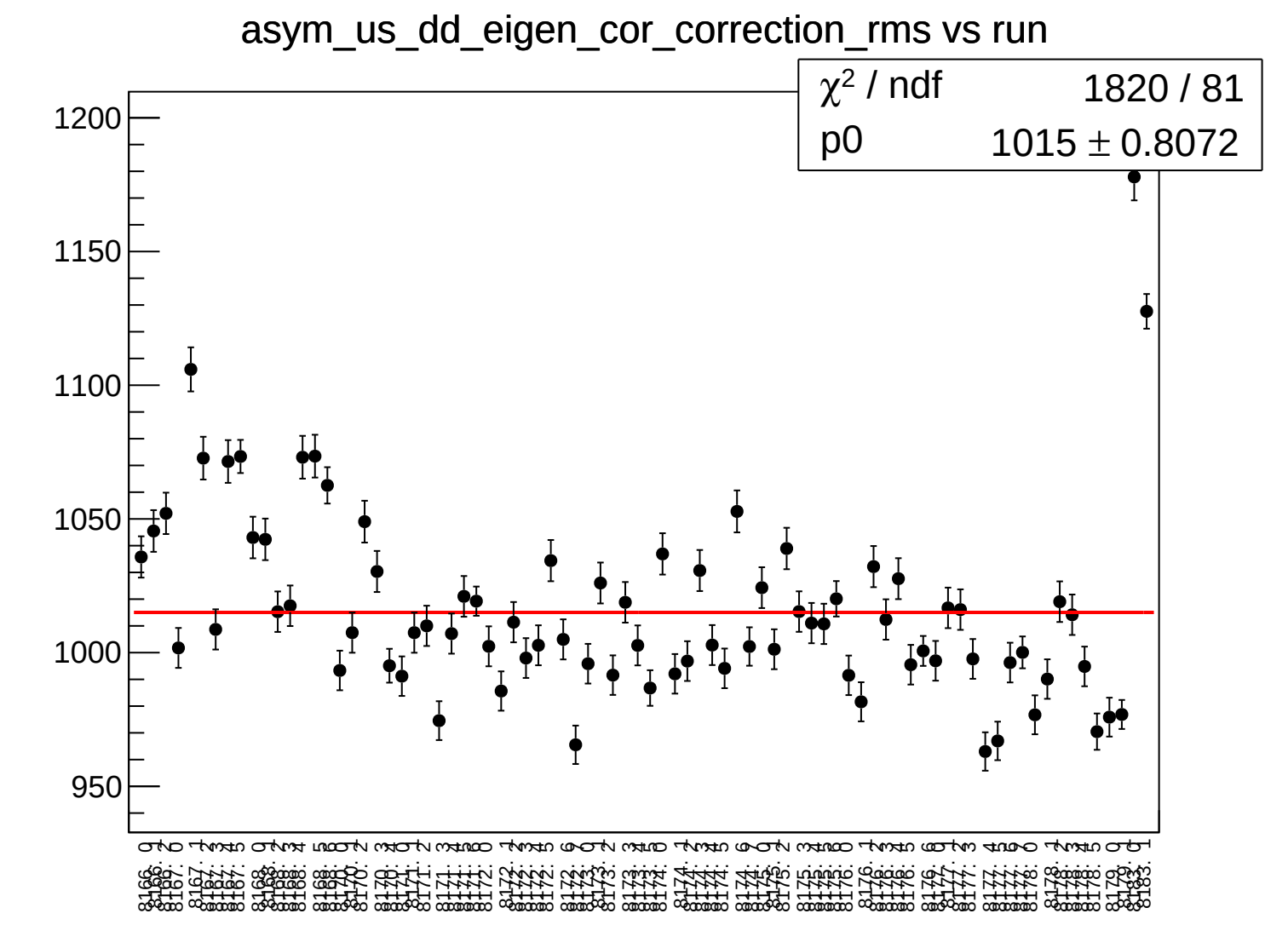

eigen_cor_asym_us_dd_mean vs run
χ^2 / ndf 87.77 / 81
p0 884.8 ± 855.6
pull
Entries 82
Mean 70.08
Std Dev 0

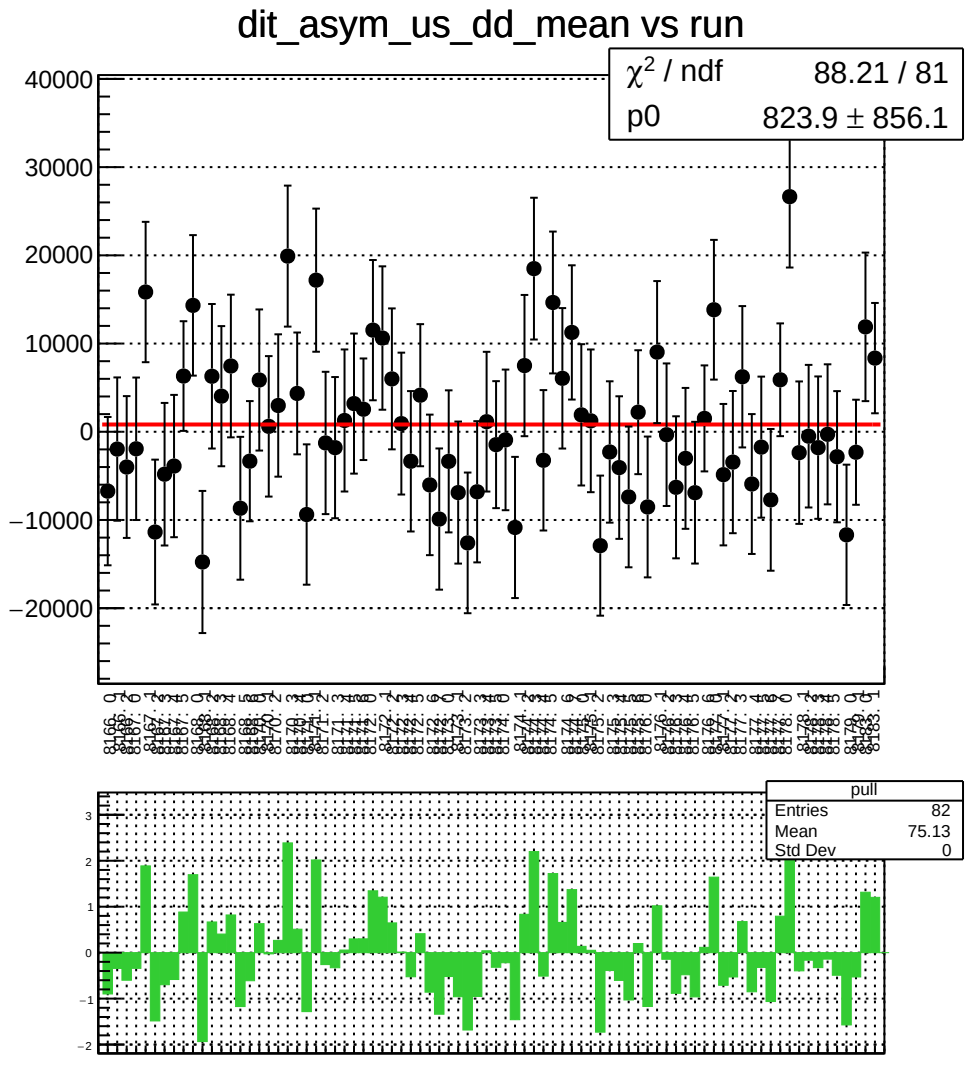

pull1D
Entries 82
Mean −0.009864
Std Dev 1.035

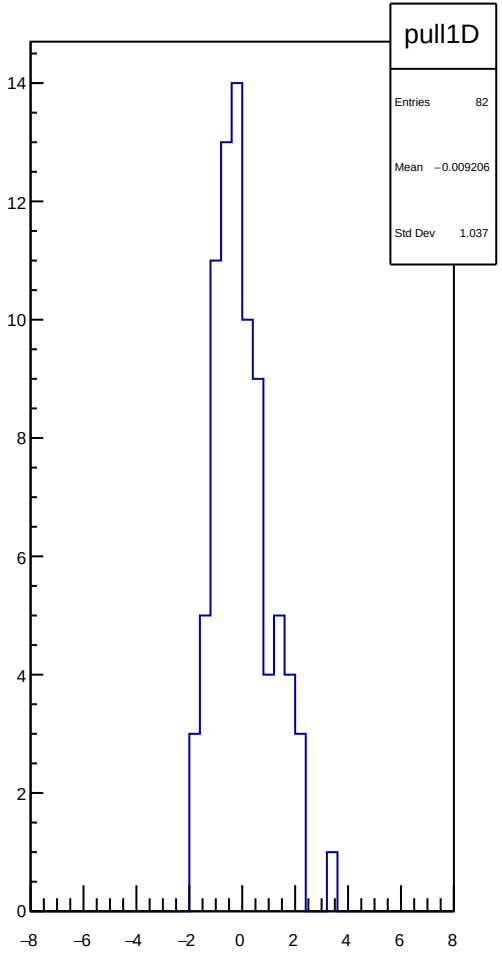

eigen_cor_asym_us_dd_rms vs run
χ^2 / ndf 167.1 / 81
p0 761.2 ± 0.605
800
790
780
770
760
750
740

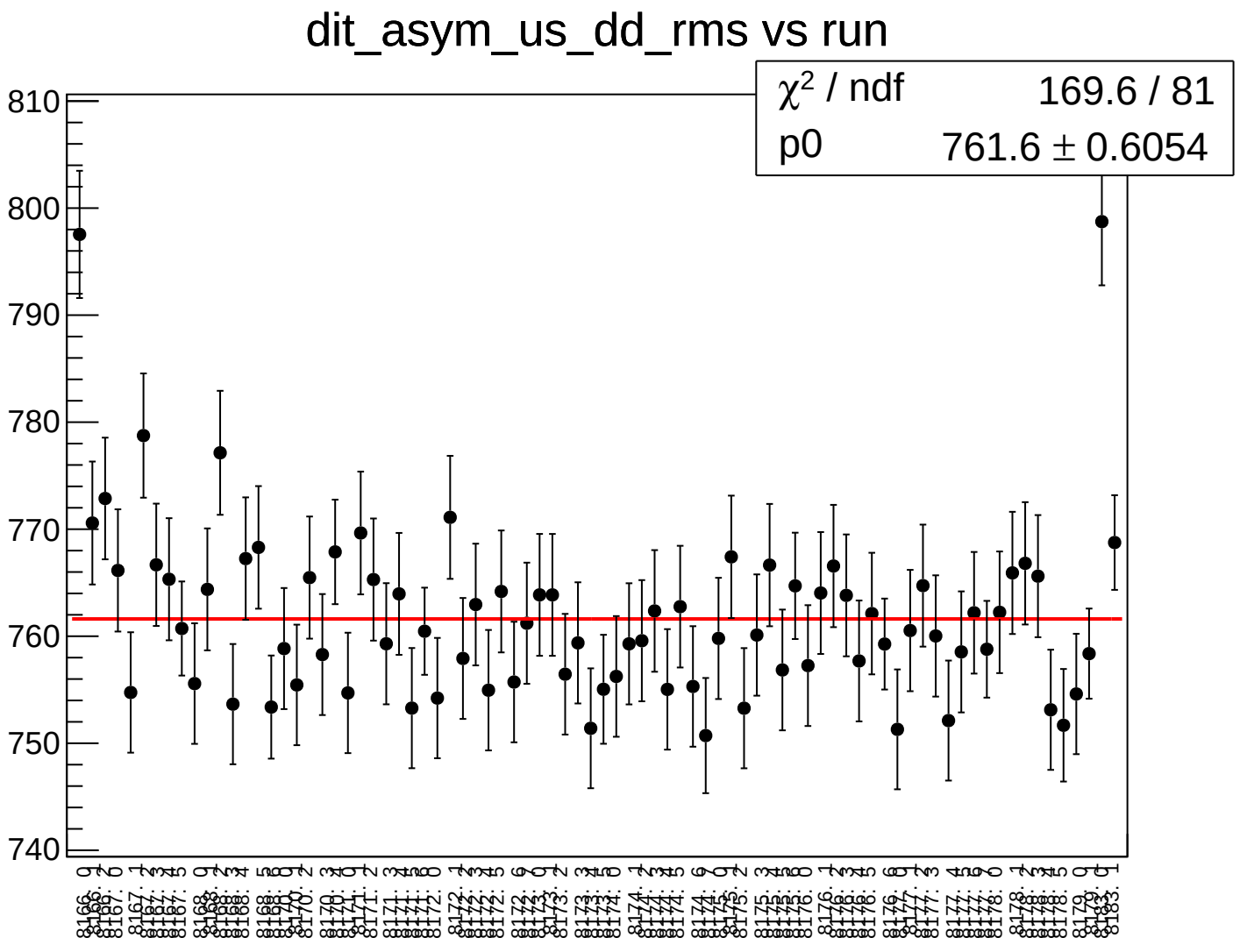

asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 87.61 / 81
p0 −1502 ± 1142
pull
Entries 82
Mean 689.6
Std Dev 0

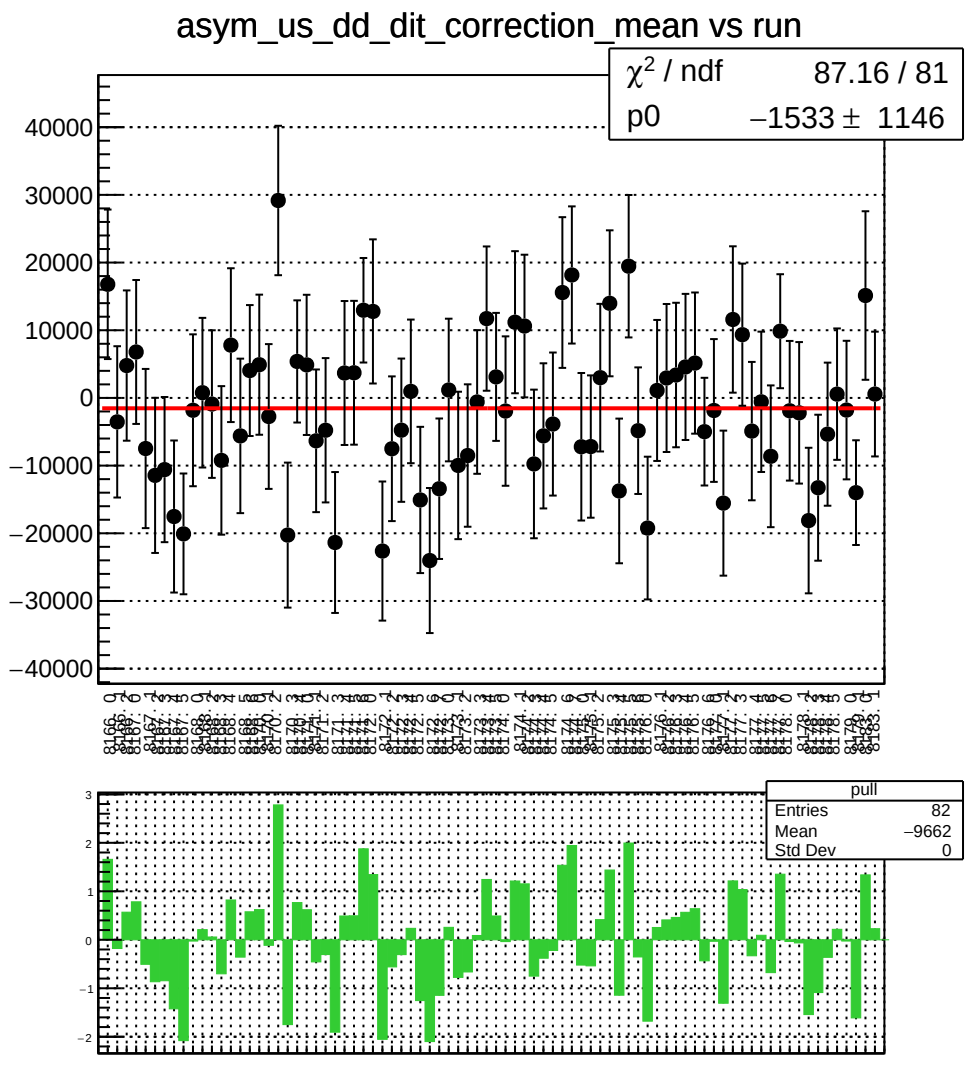

pull1D
Entries 82
Mean 0.001007
Std Dev 1.034

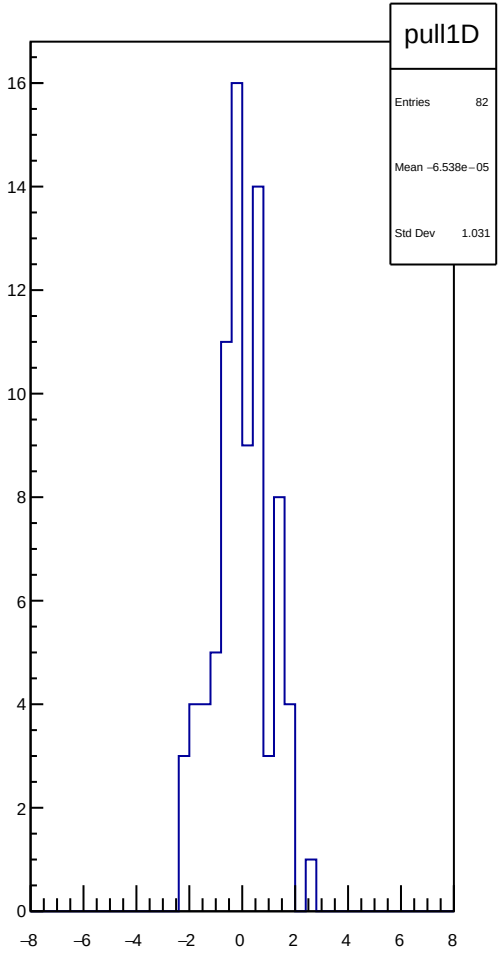

asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 1820 / 81
p0 1015 ± 0.8072
1200
1150
1100
1050
1000
950

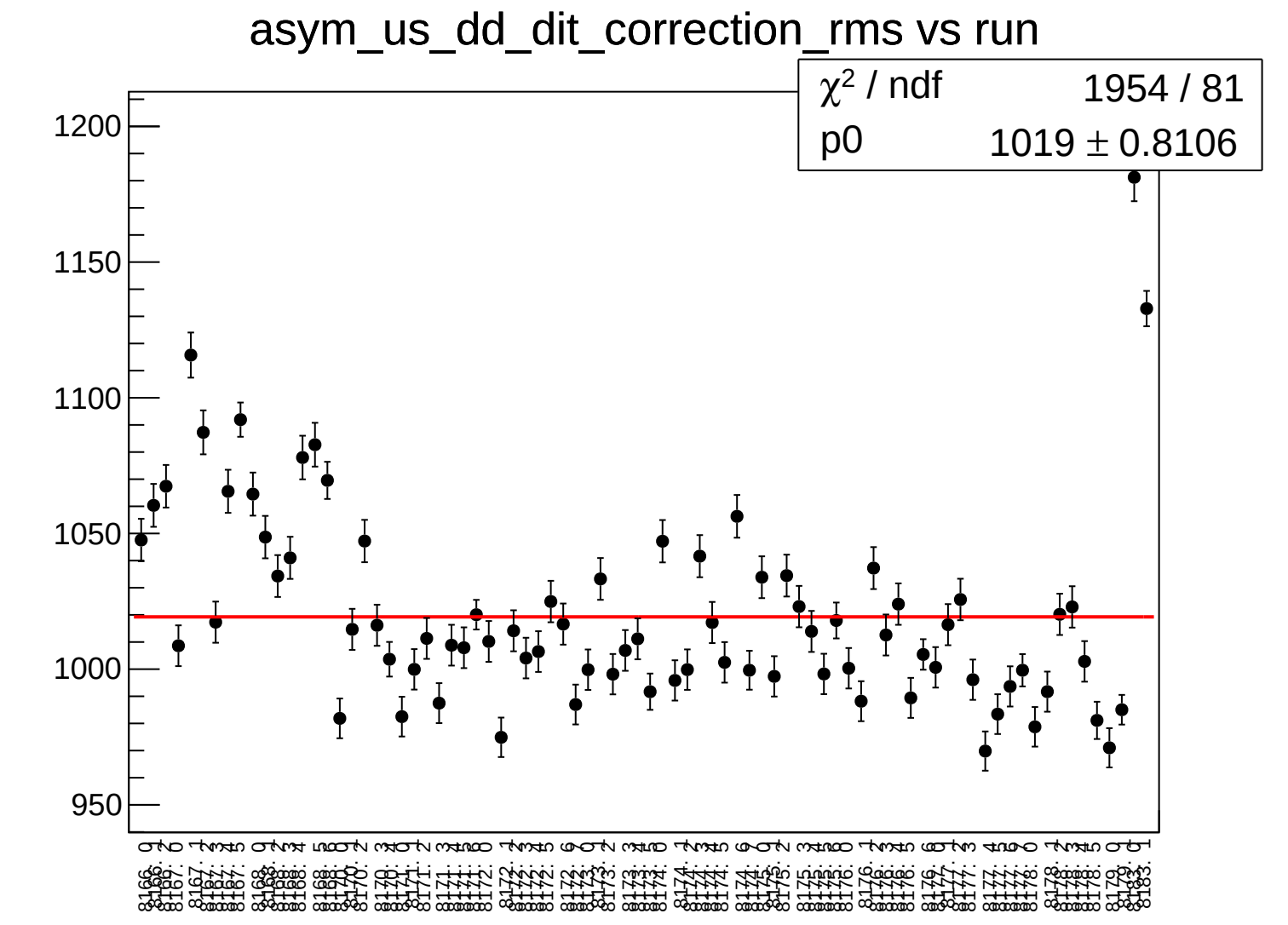

dit_asym_us_dd_mean vs run
χ² / ndf 88.21 / 81
p0 823.9 ± 856.1
pull
Entries 82
Mean 75.13
Std Dev 0

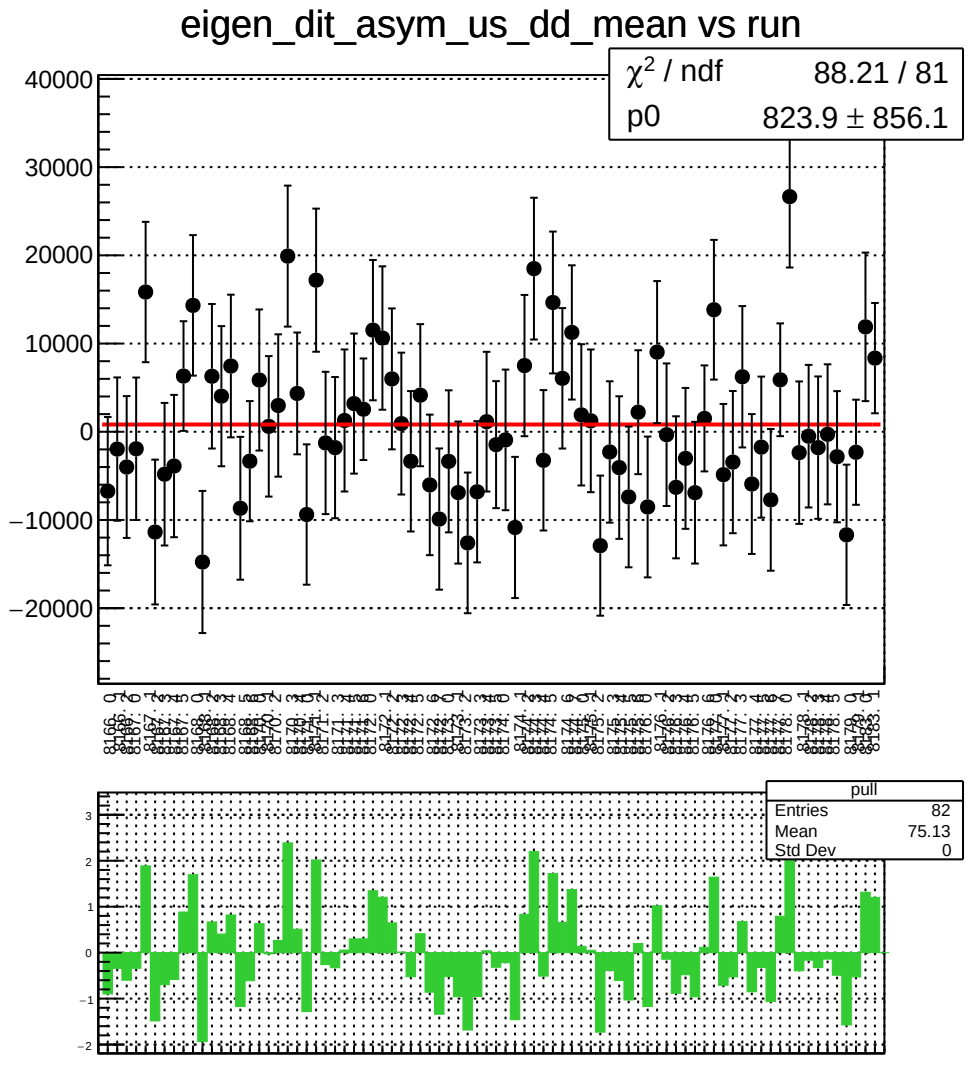

pull1D
Entries 82
Mean −0.009206
Std Dev 1.037

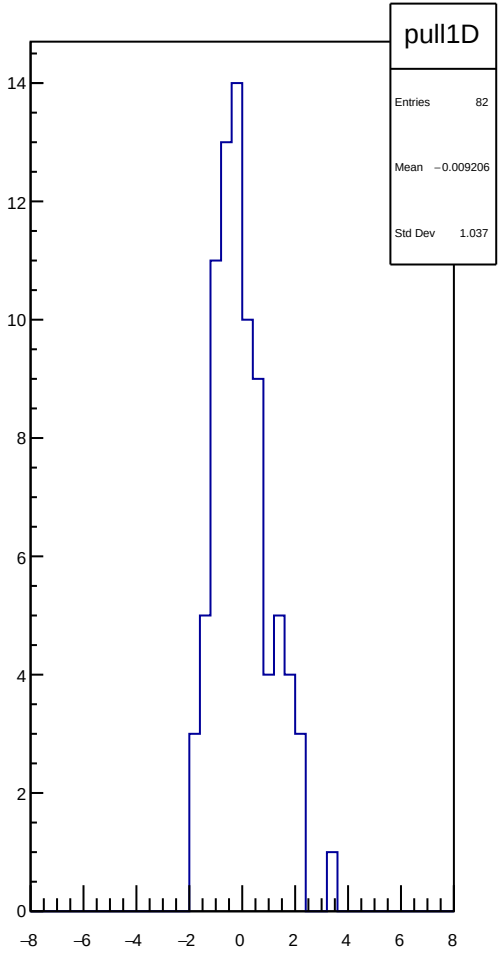

dit_asym_us_dd_rms vs run
χ^2 / ndf 169.6 / 81
p0 761.6 ± 0.6054
810
800
790
780
770
760
750
740

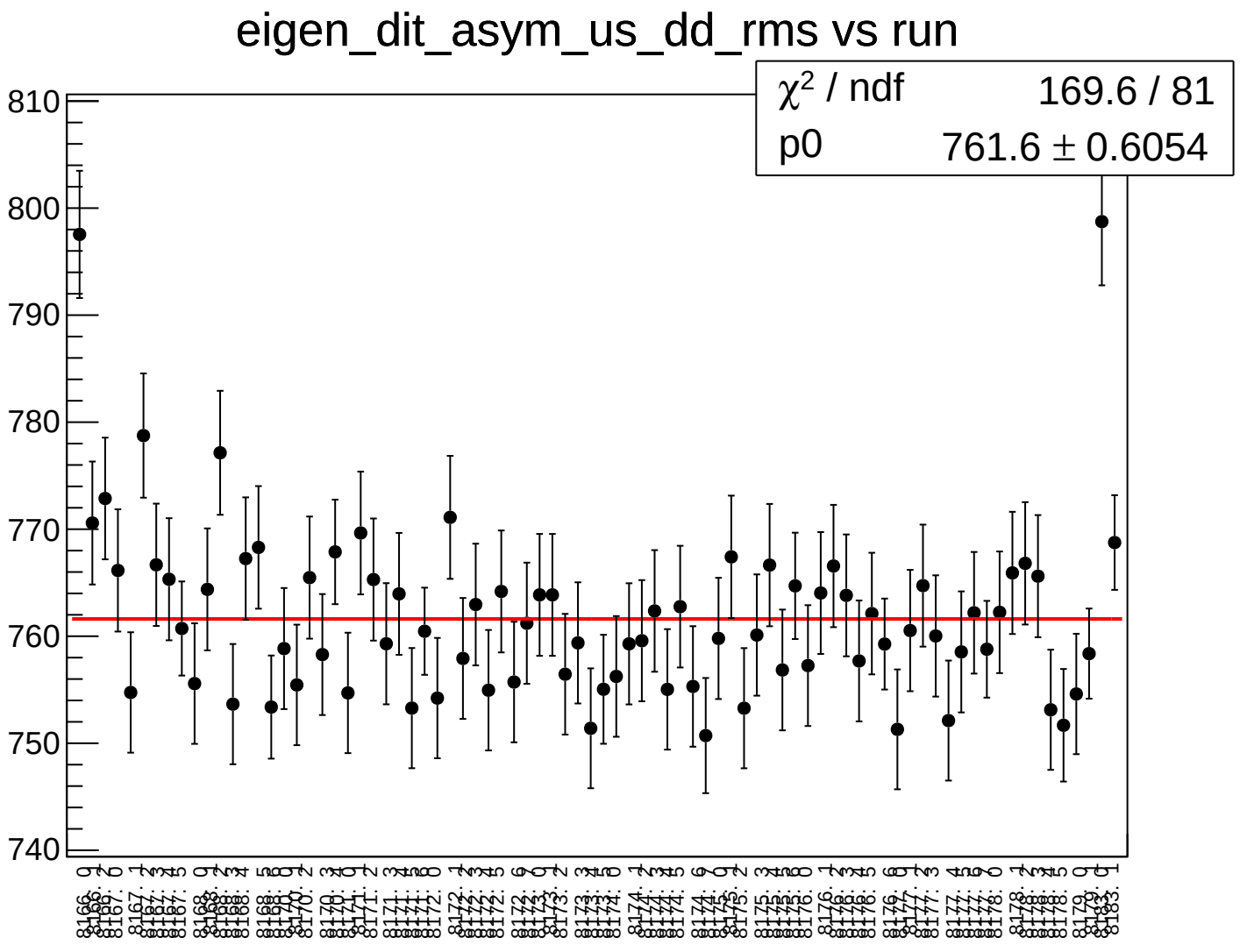

asym_us_dd_dit_correction_mean vs run
χ² / ndf 87.16 / 81
p0 −1533 ± 1146
pull
Entries 82
Mean −9662
Std Dev 0

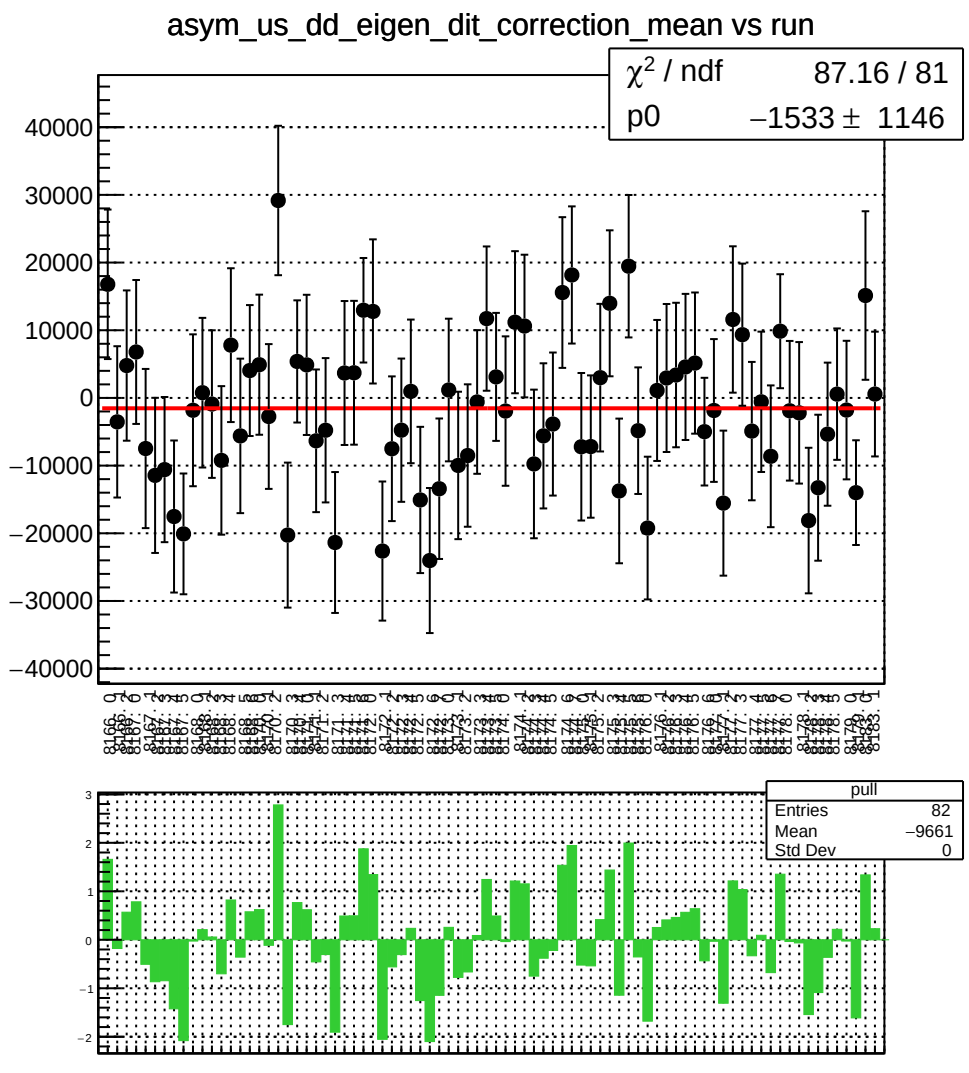

pull1D
Entries 82
Mean −6.538e−05
Std Dev 1.031

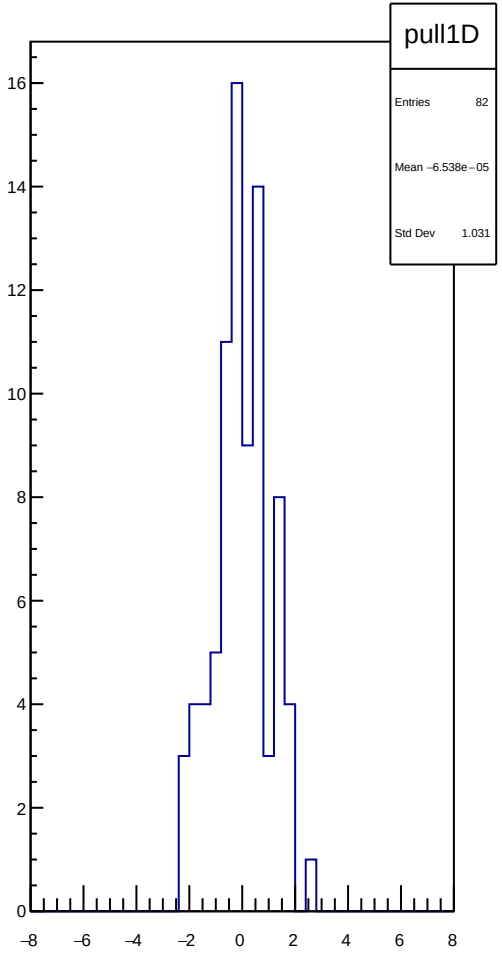

asym_us_dd_dit_correction_rms vs run
χ² / ndf 1954 / 81
p0 1019 ± 0.8106
1200
1150
1100
1050
1000
950

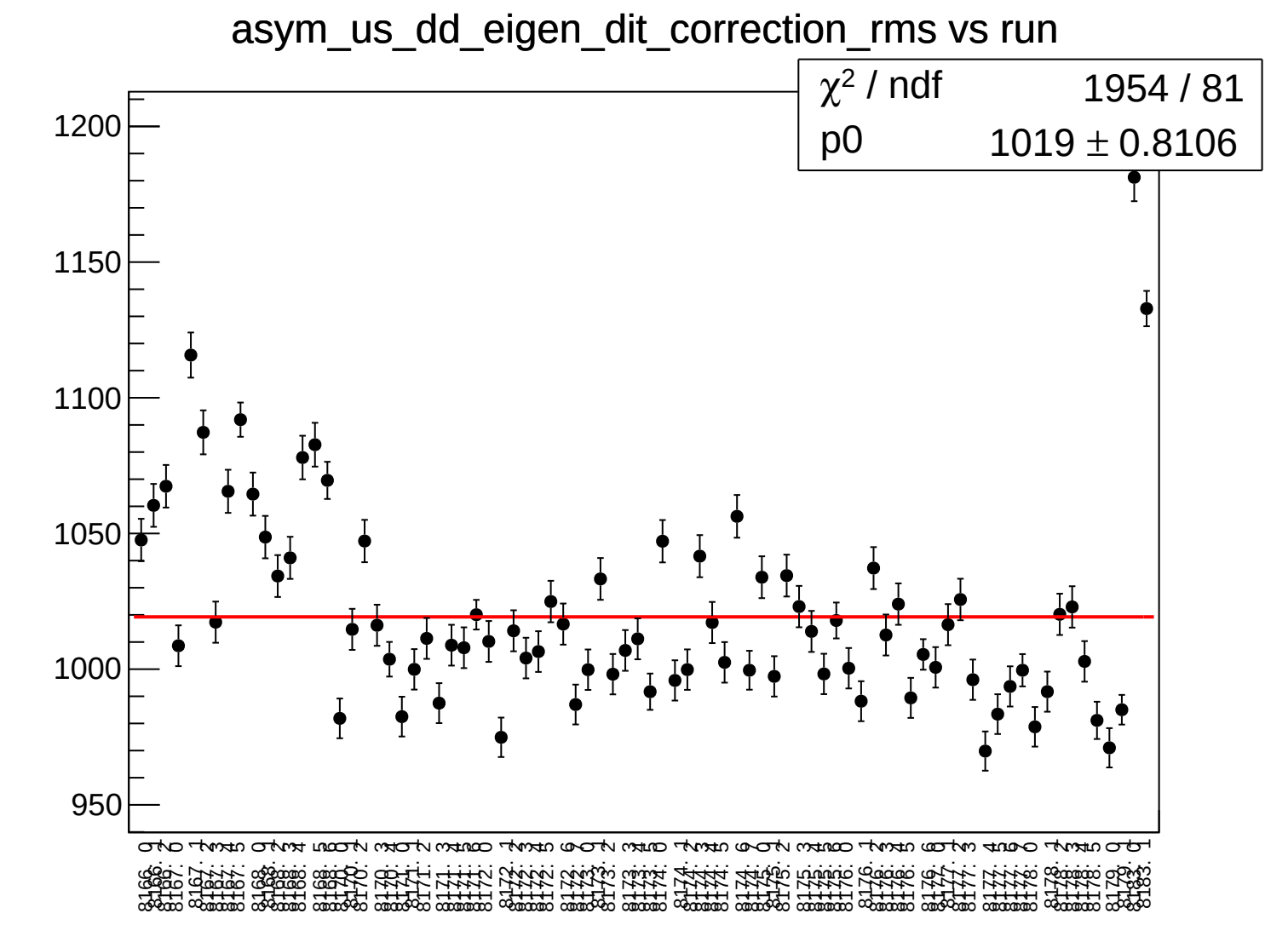

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 88.21 / 81
p0 823.9 ± 856.1
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 75.13
Std Dev 0
3
2
1
0
−1
−2

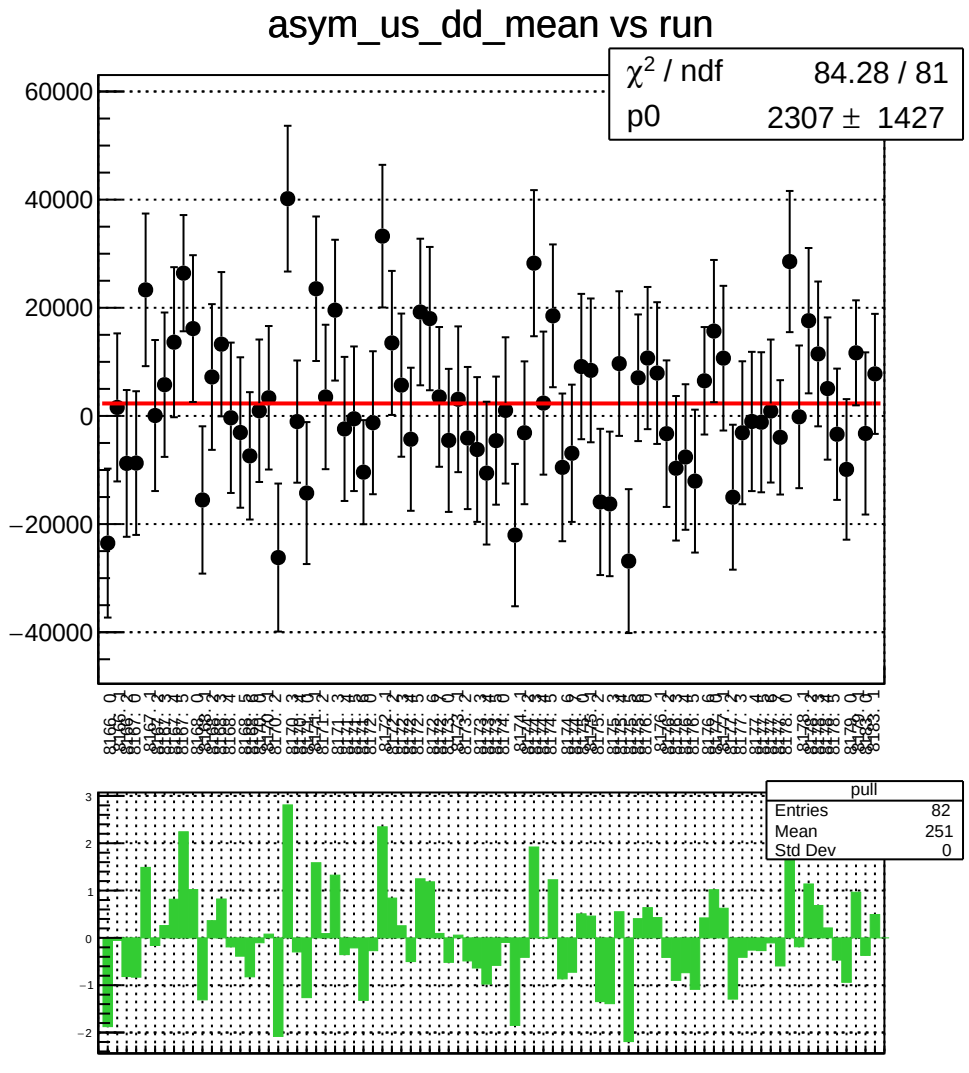

pull1D
Entries 82
Mean −0.009206
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

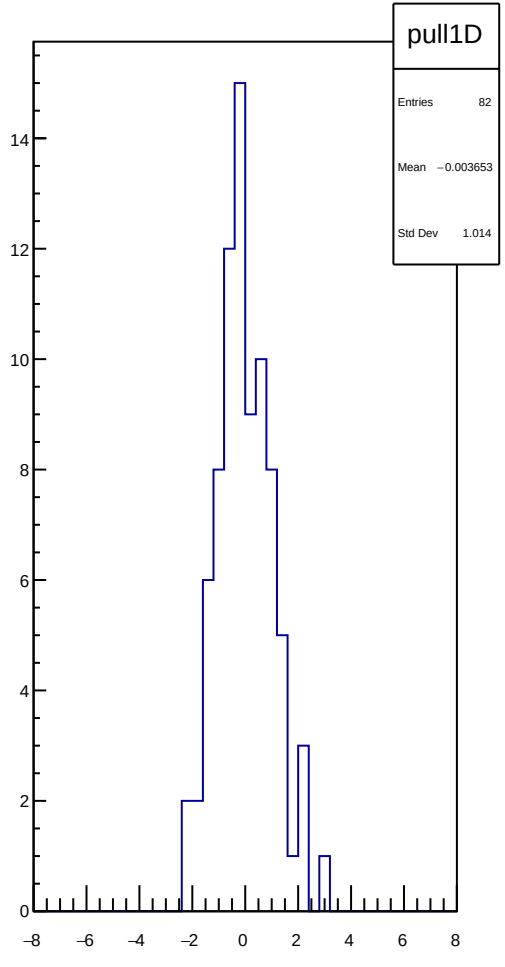

eigen_dit_asym_us_dd_rms vs run
χ^2 / ndf 169.6 / 81
p0 761.6 ± 0.6054
810
800
790
780
770
760
750
740

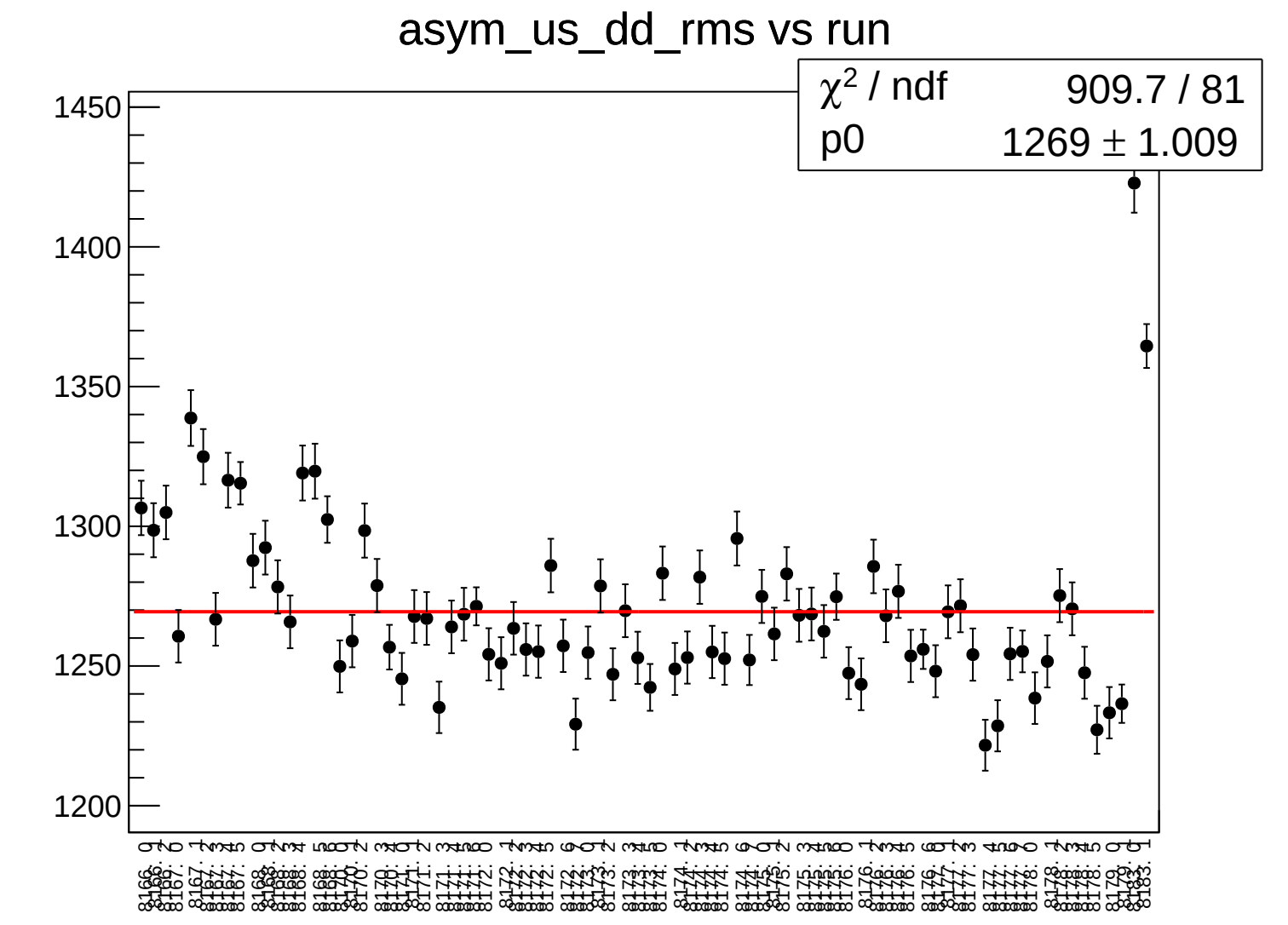

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 87.16 / 81
p0 −1533 ± 1146
pull
Entries 82
Mean −9661
Std Dev 0

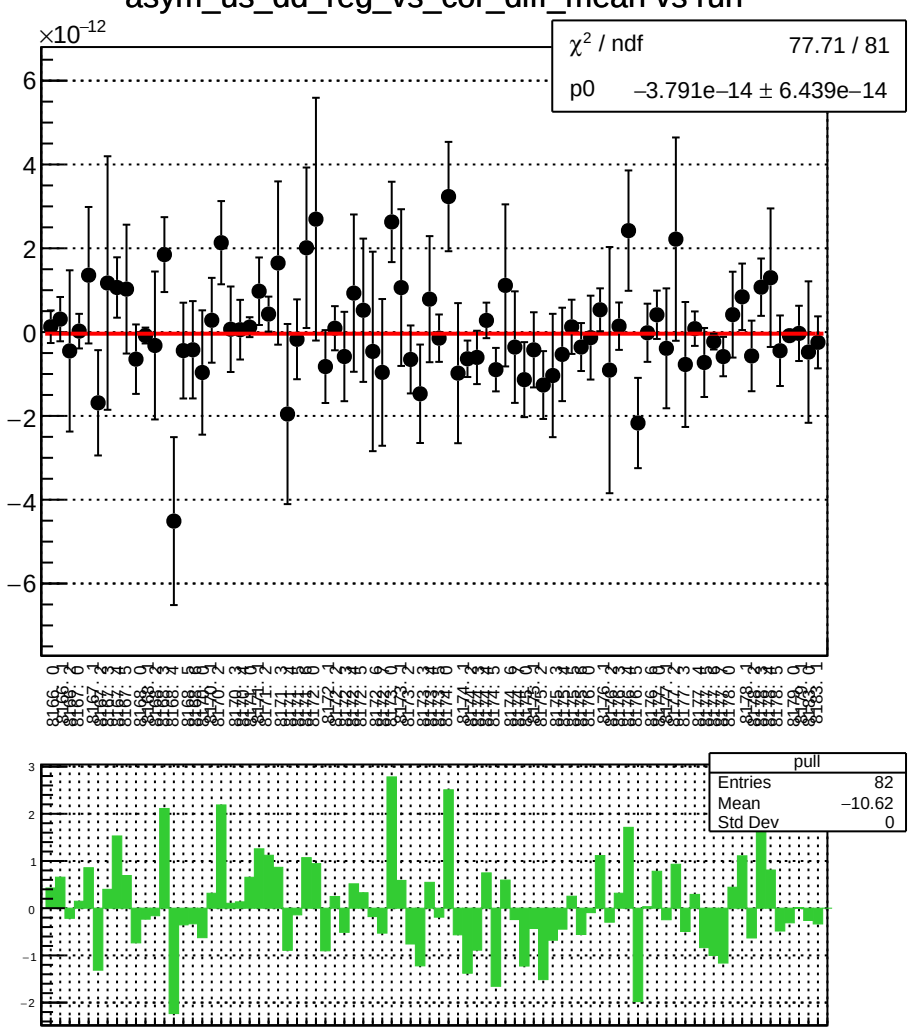

pull1D
Entries 82
Mean −6.538e−05
Std Dev 1.031

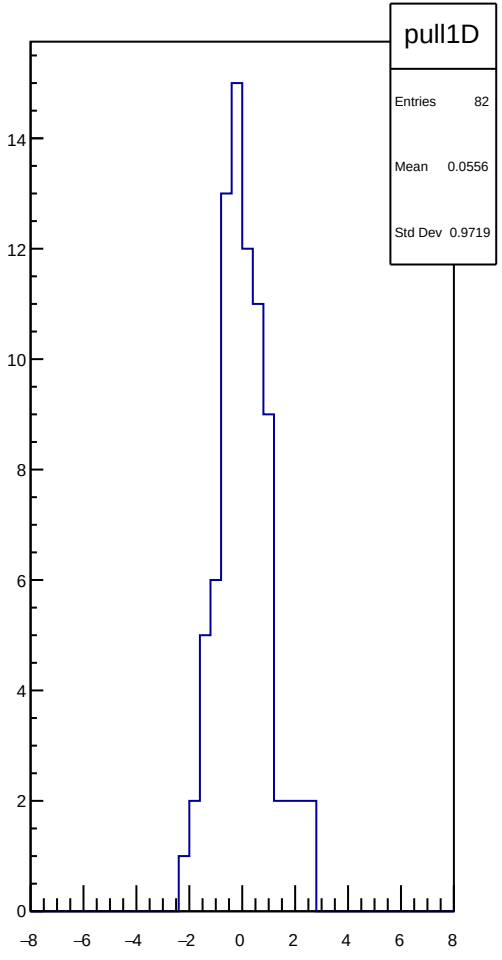

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 1954 / 81
p0 1019 ± 0.8106
1200
1150
1100
1050
1000
950

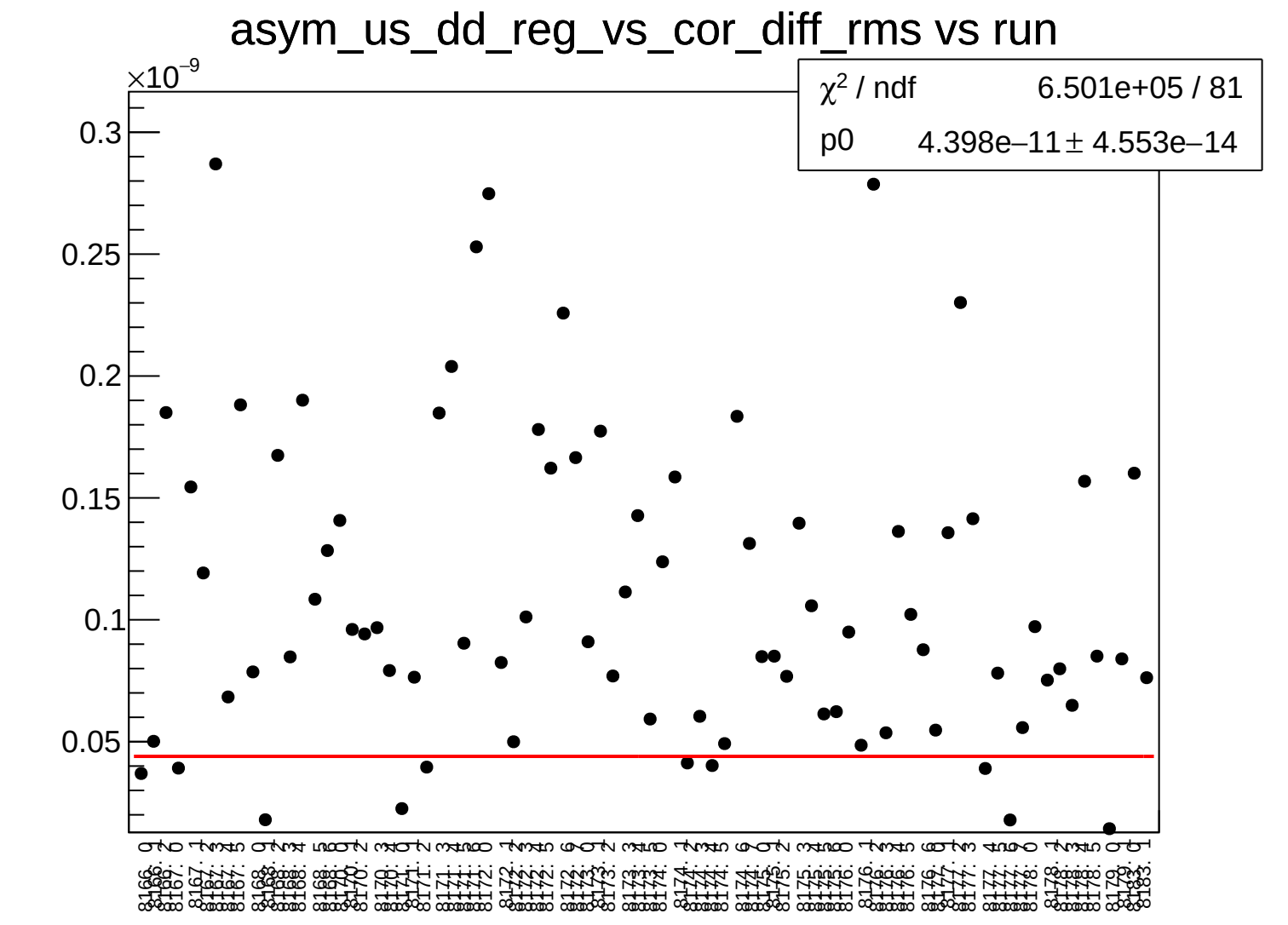

asym_us_dd_mean vs run
χ² / ndf 84.28 / 81
p0 2307 ± 1427
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 251
Std Dev 0
3
2
1
0
−1
−2

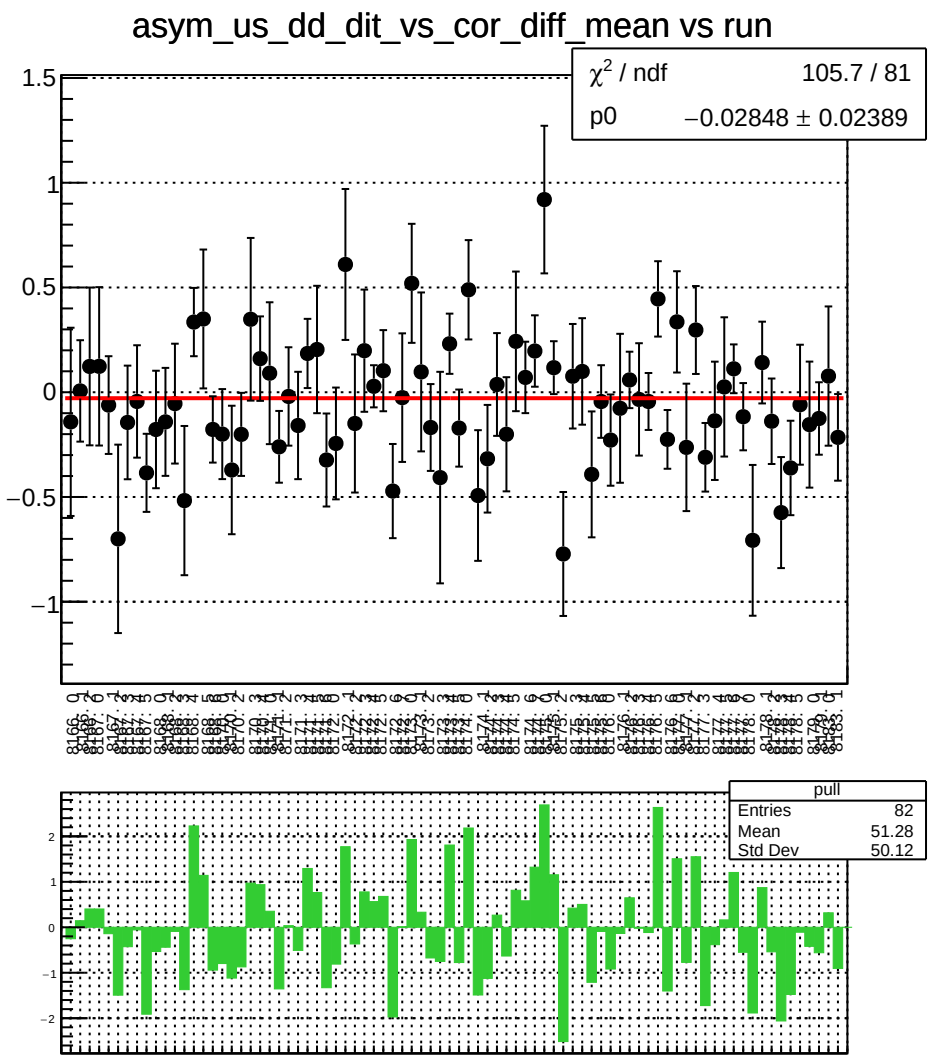

pull1D
Entries 82
Mean −0.003653
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

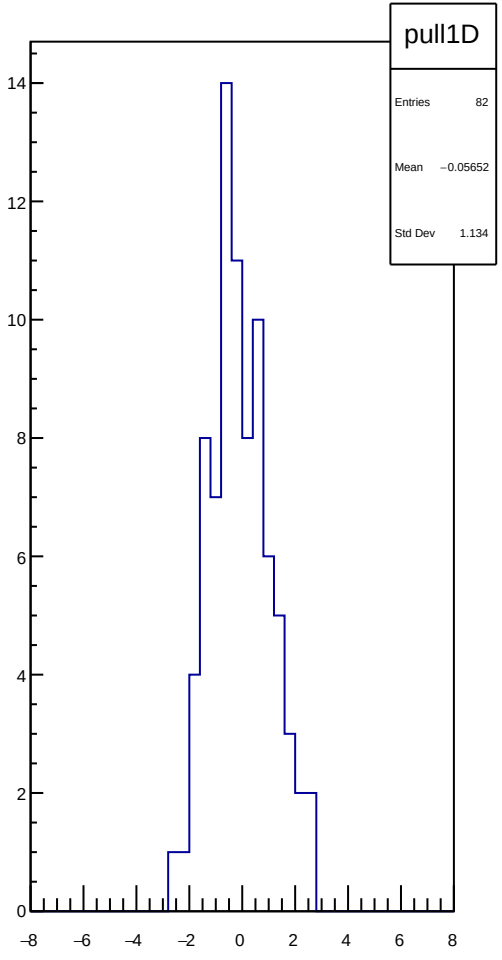

asym_us_dd_rms vs run
χ^2 / ndf 909.7 / 81
p0 1269 ± 1.009
1450
1400
1350
1300
1250
1200

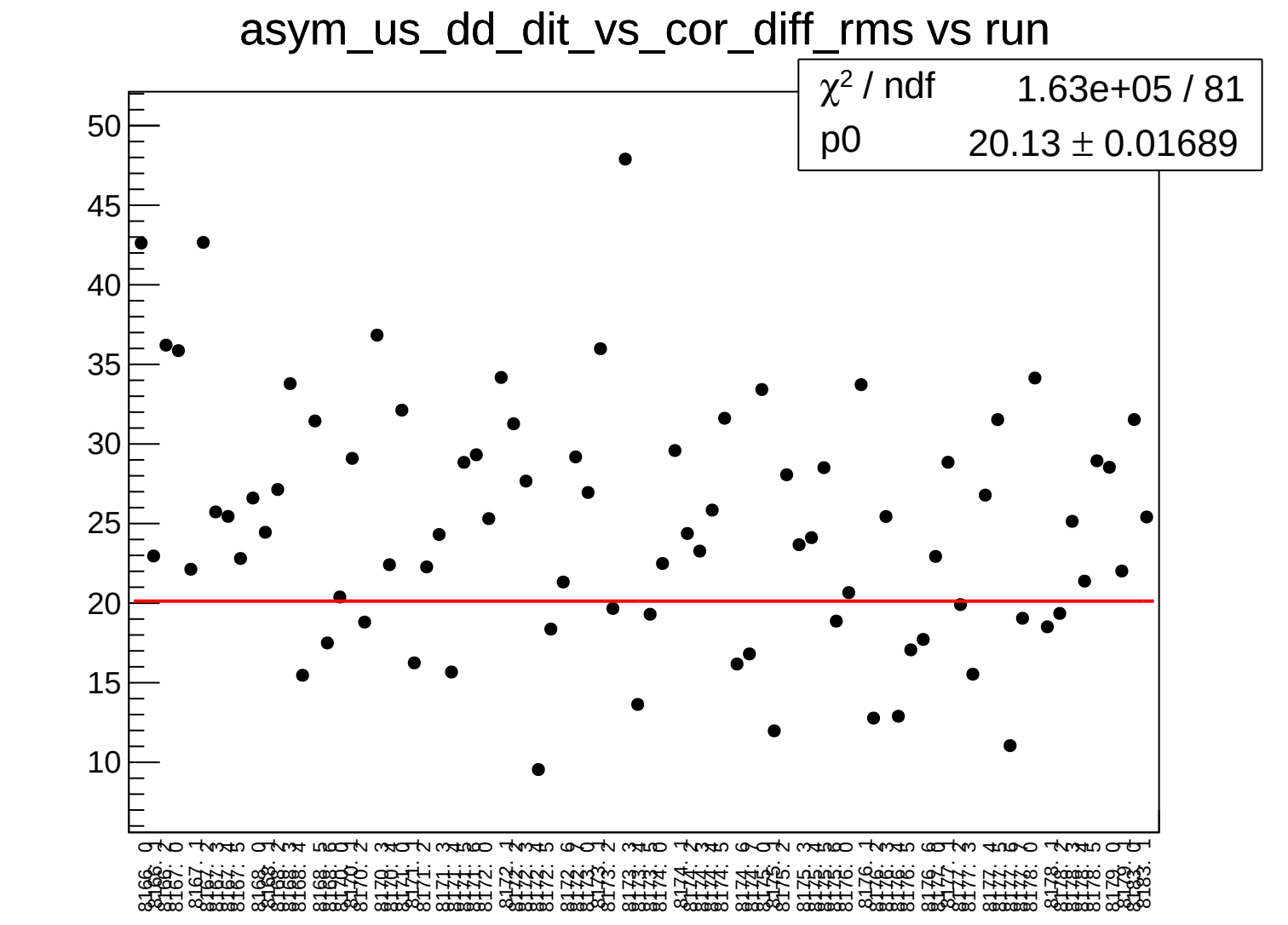

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.71 / 81
p0 −3.791e−14 ± 6.439e−14
pull
Entries 82
Mean −10.62
Std Dev 0

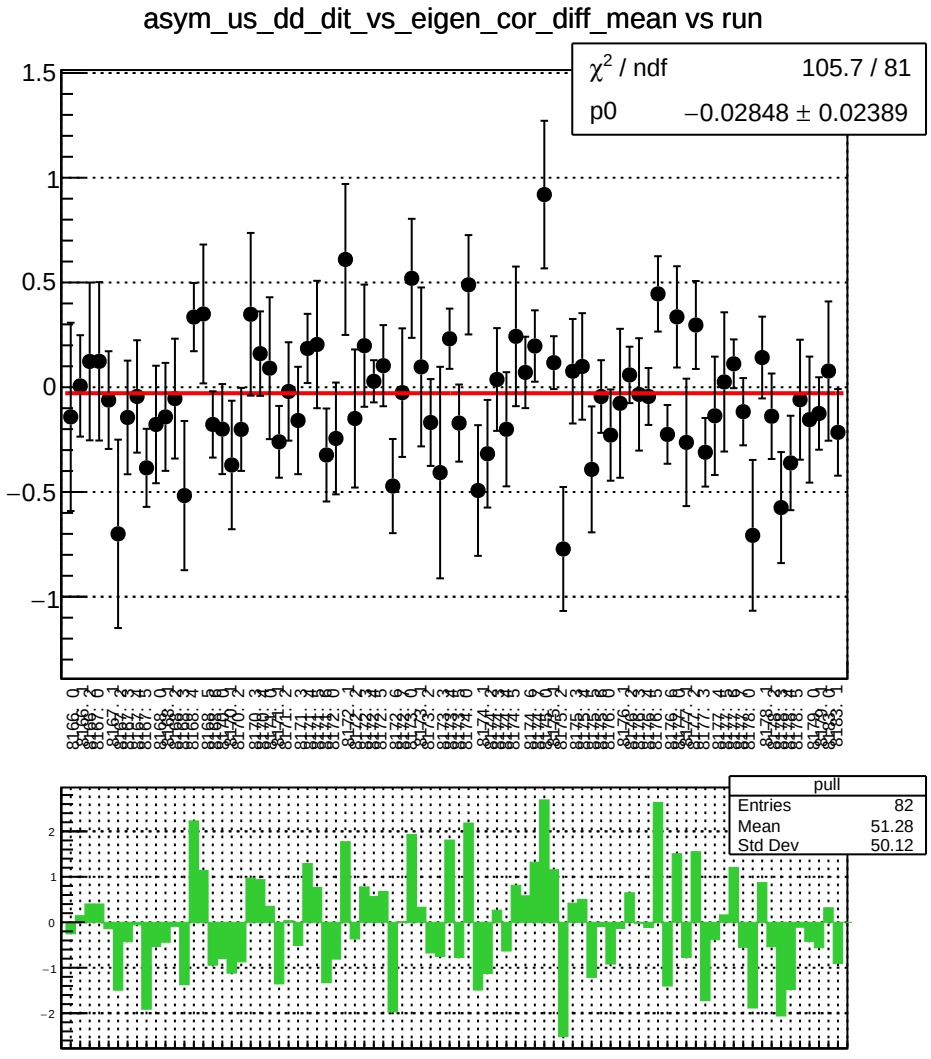

pull1D
Entries 82
Mean 0.0556
Std Dev 0.9719

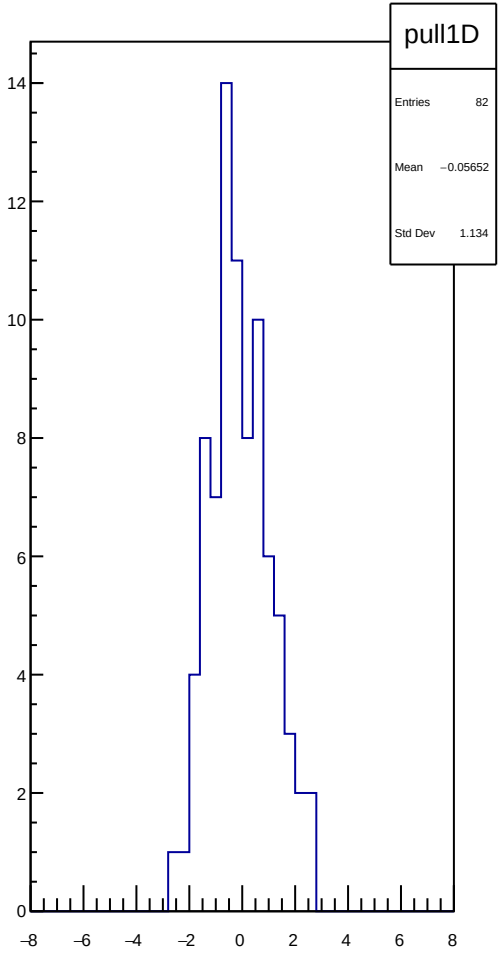

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.501e+05 / 81
p0 4.398e−11 ± 4.553e−14
0.3
0.25
0.2
0.15
0.1
0.05

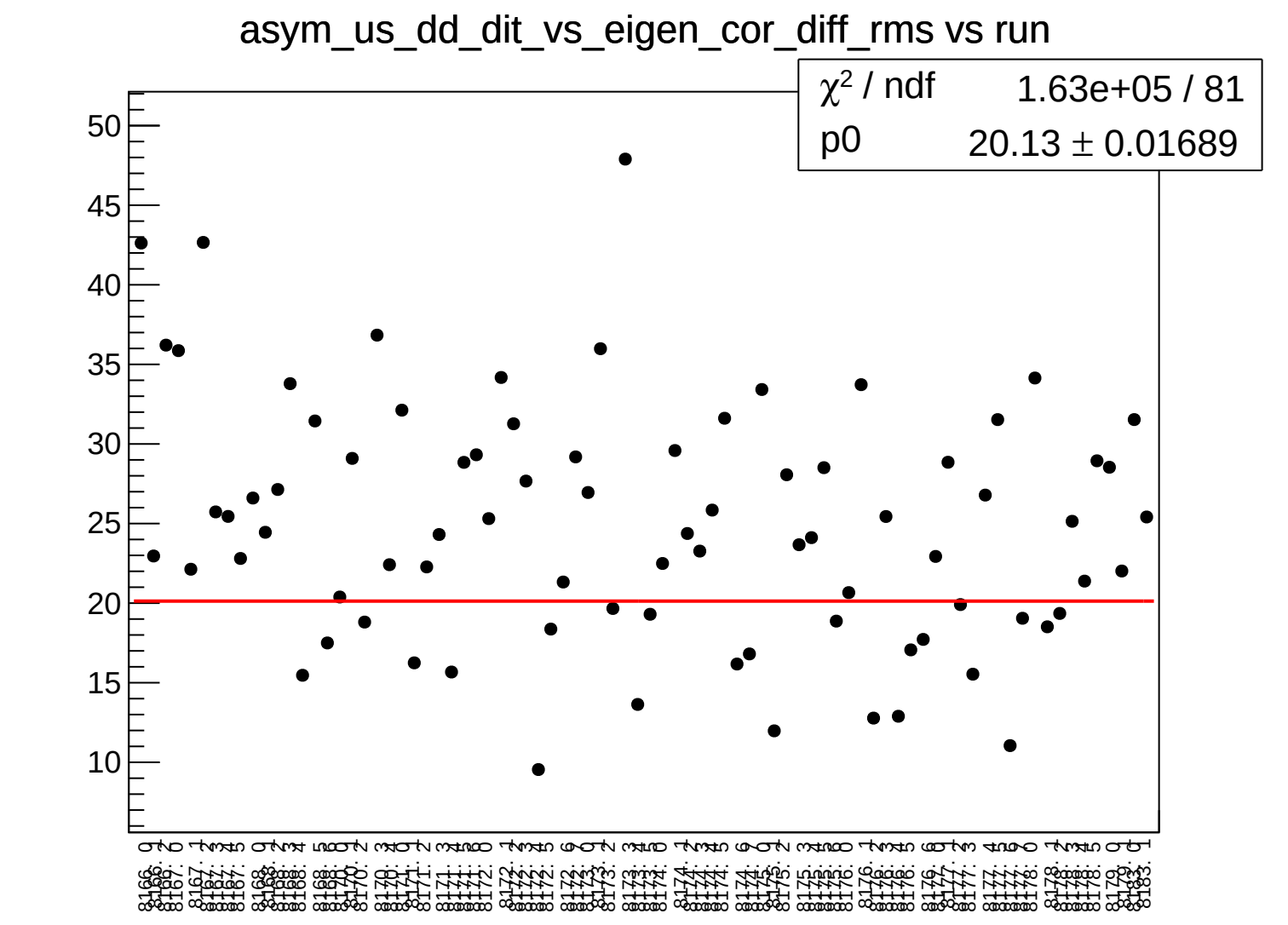

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 105.7 / 81
p0 −0.02848 ± 0.02389
pull
Entries 82
Mean 51.28
Std Dev 50.12

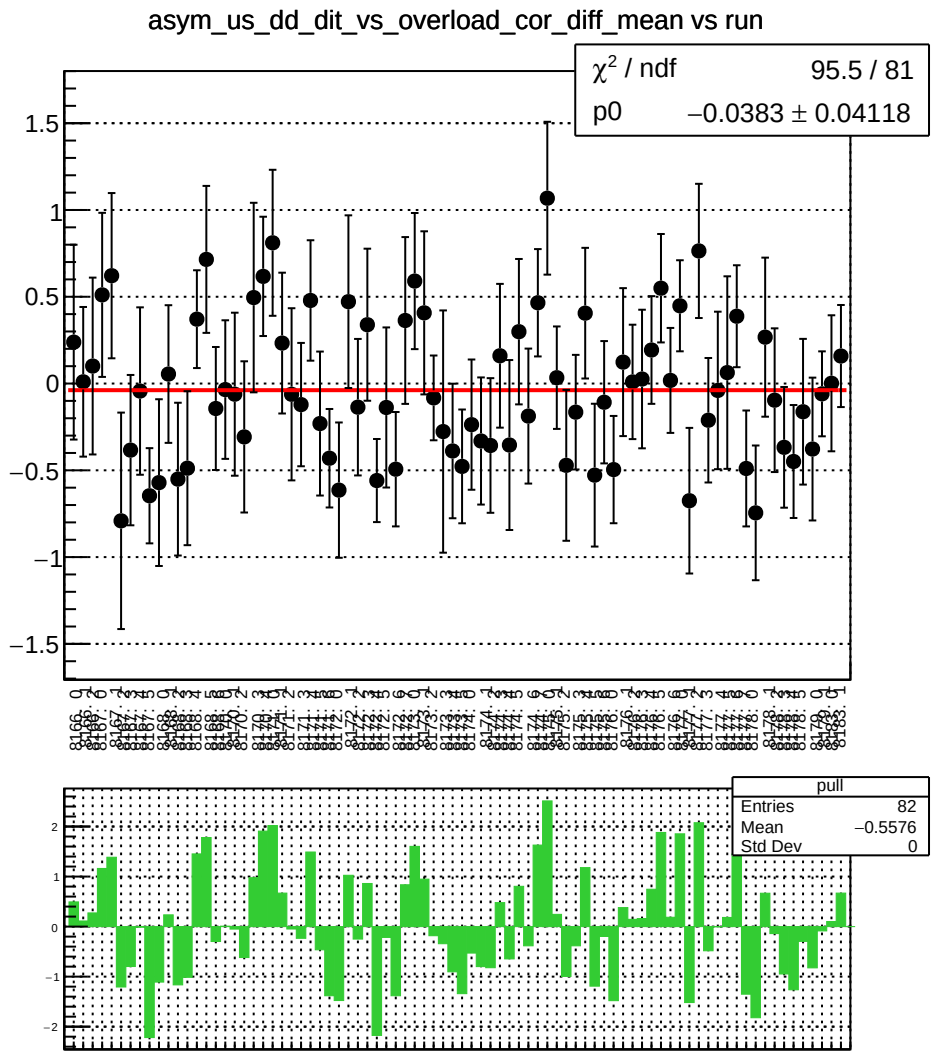

pull1D
Entries 82
Mean −0.05652
Std Dev 1.134

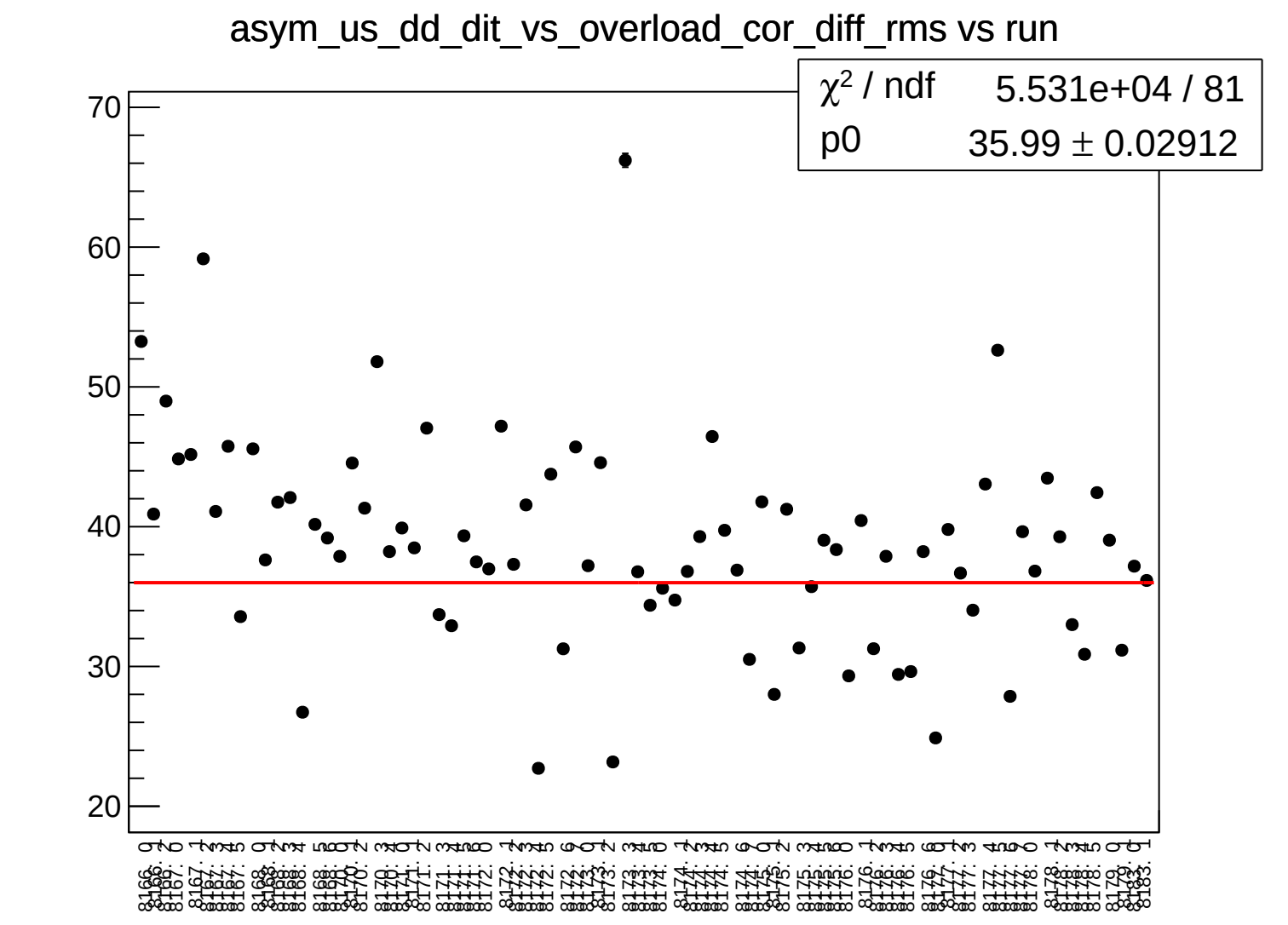

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.63e+05 / 81
p0 20.13 ± 0.01689
50
45
40
35
30
25
20
15
10

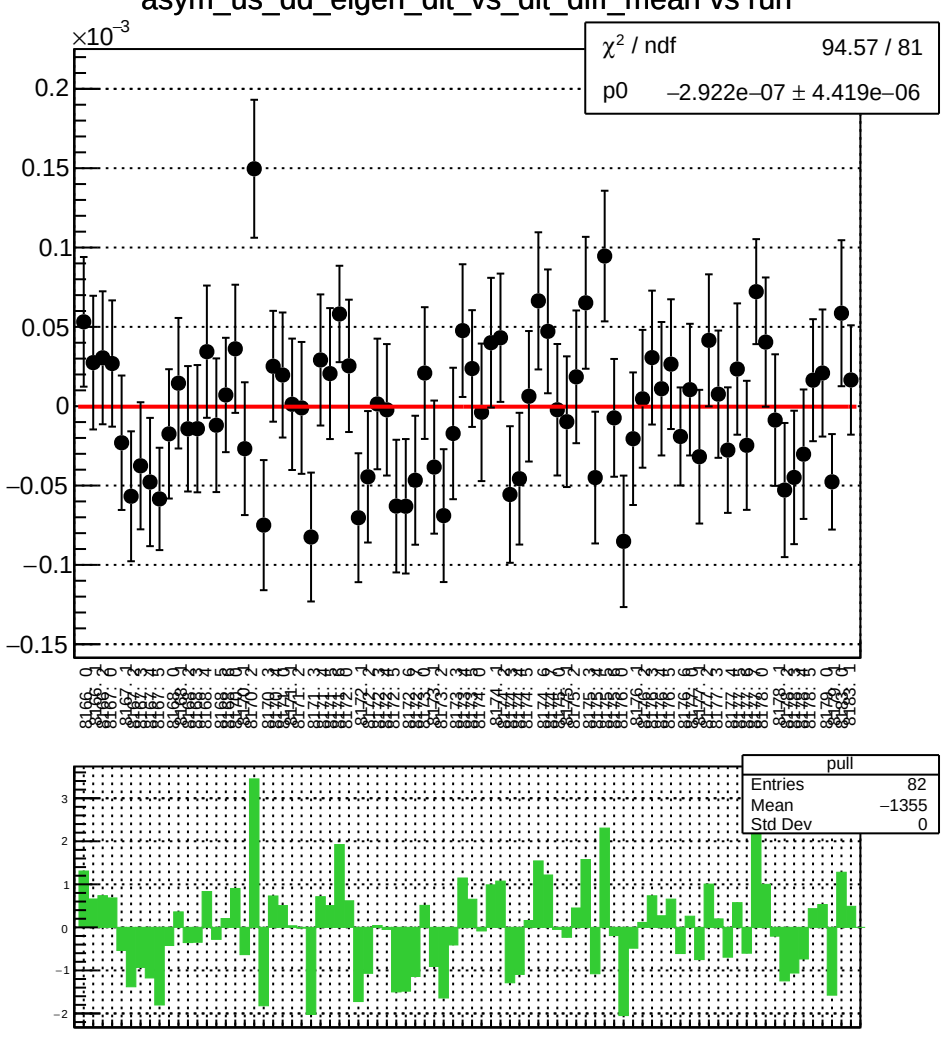

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.7 / 81
p0 −0.02848 ± 0.02389
pull
Entries 82
Mean 51.28
Std Dev 50.12

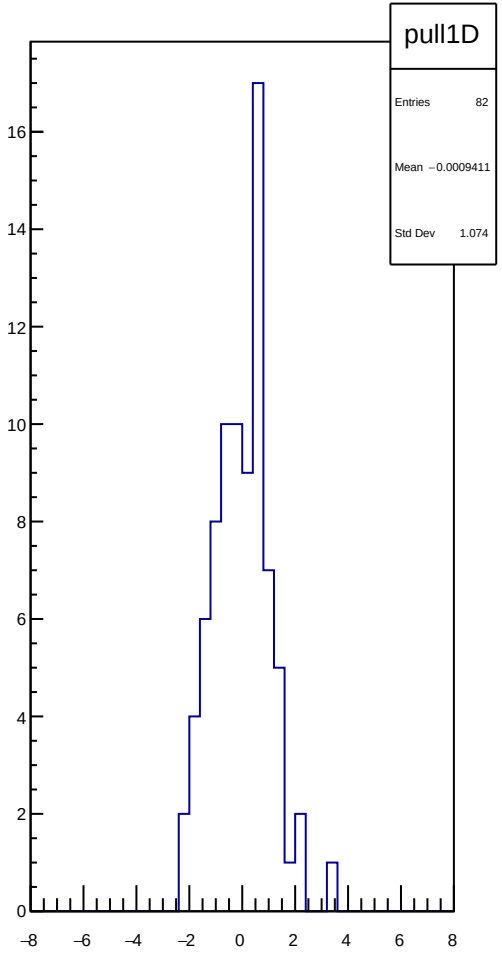

pull1D
Entries 82
Mean −0.05652
Std Dev 1.134

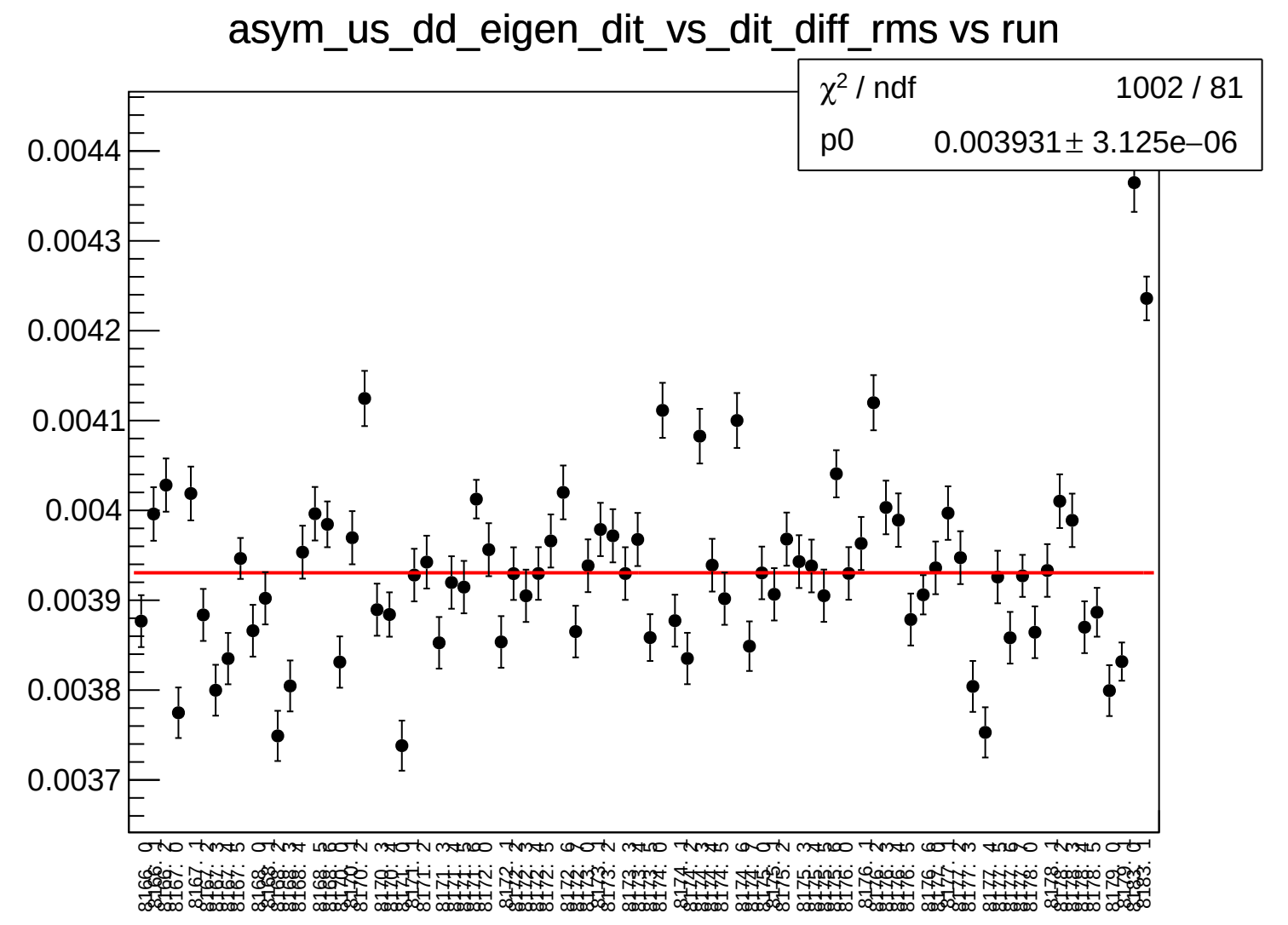

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.63e+05 / 81
p0 20.13 ± 0.01689
50
45
40
35
30
25
20
15
10

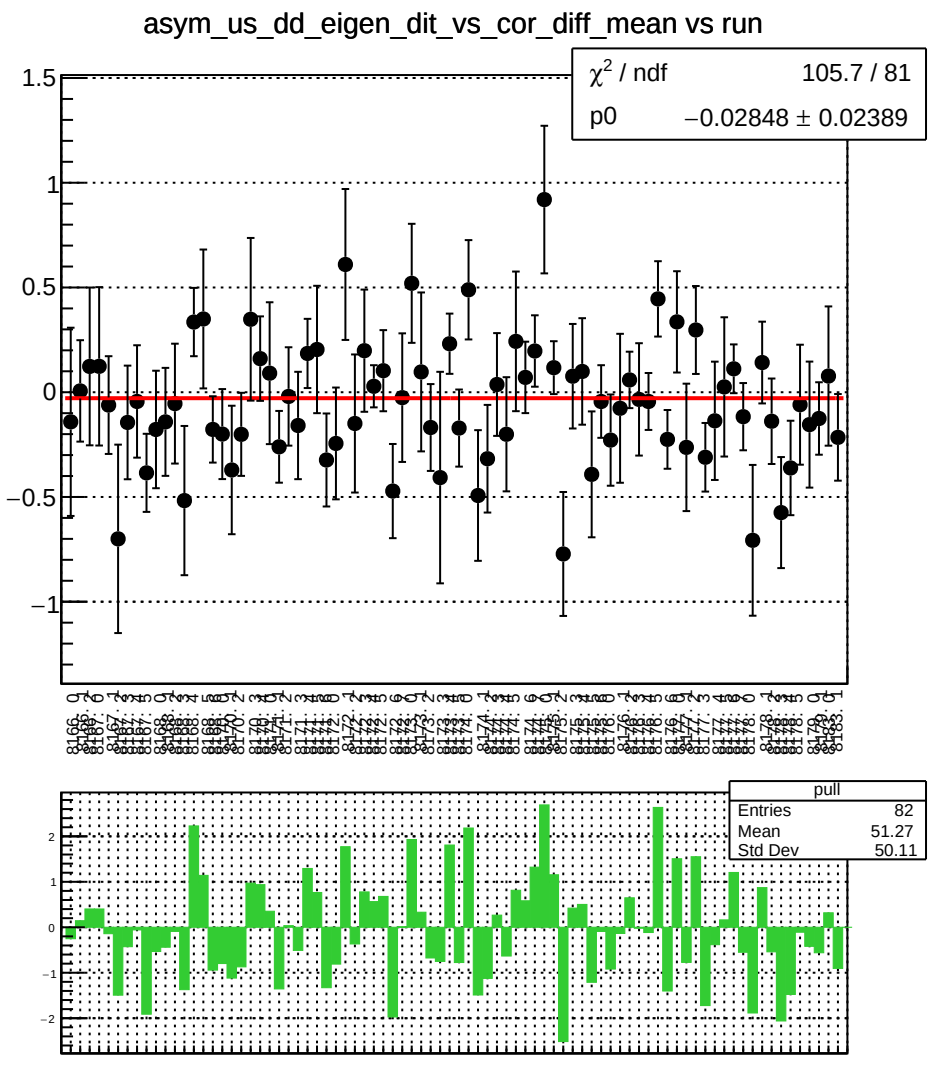

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 95.5 / 81
p0 −0.0383 ± 0.04118
pull
Entries 82
Mean −0.5576
Std Dev 0
pull1D
Entries 82
Mean 0.01898
Std Dev 1.079

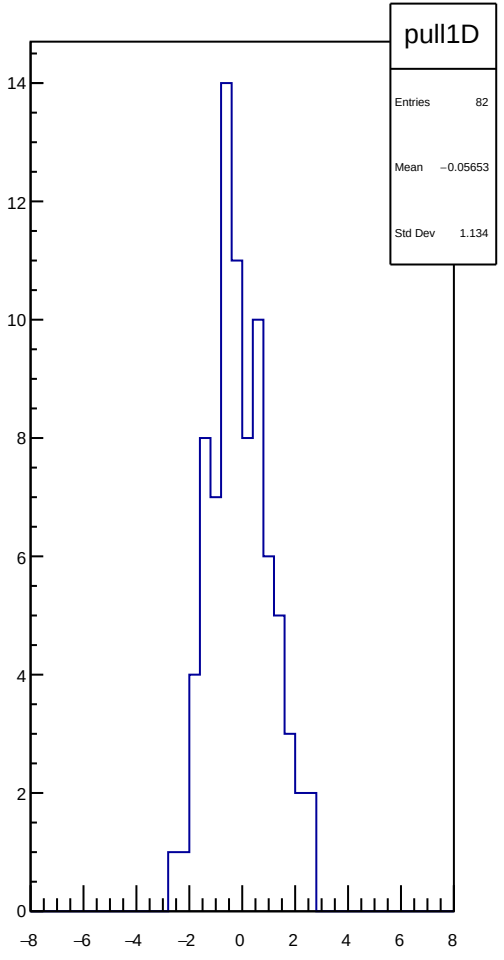

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 5.531e+04 / 81
p0 35.99 ± 0.02912
70
60
50
40
30
20

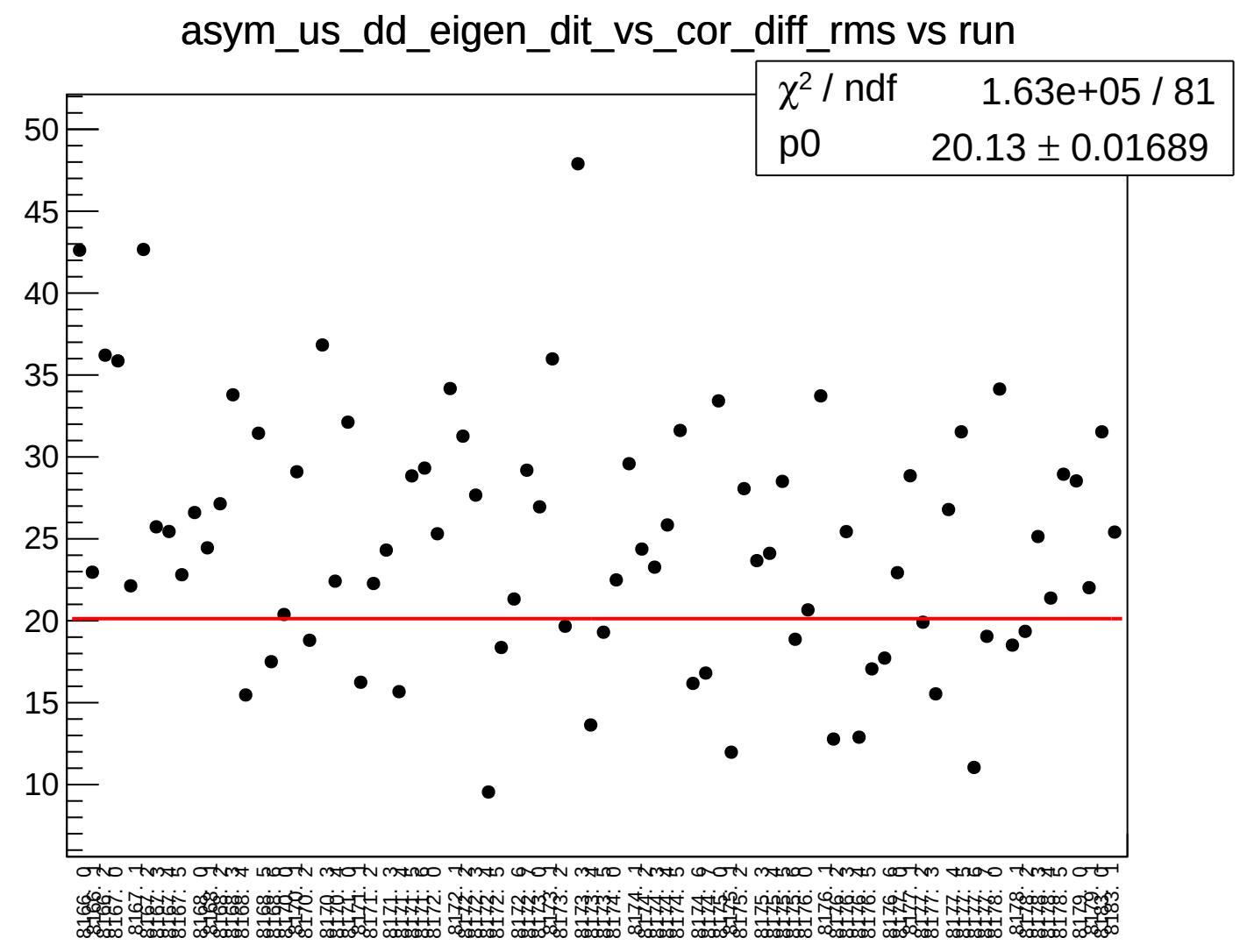

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.57 / 81
p0 −2.922e−07 ± 4.419e−06
pull
Entries 82
Mean −1355
Std Dev 0

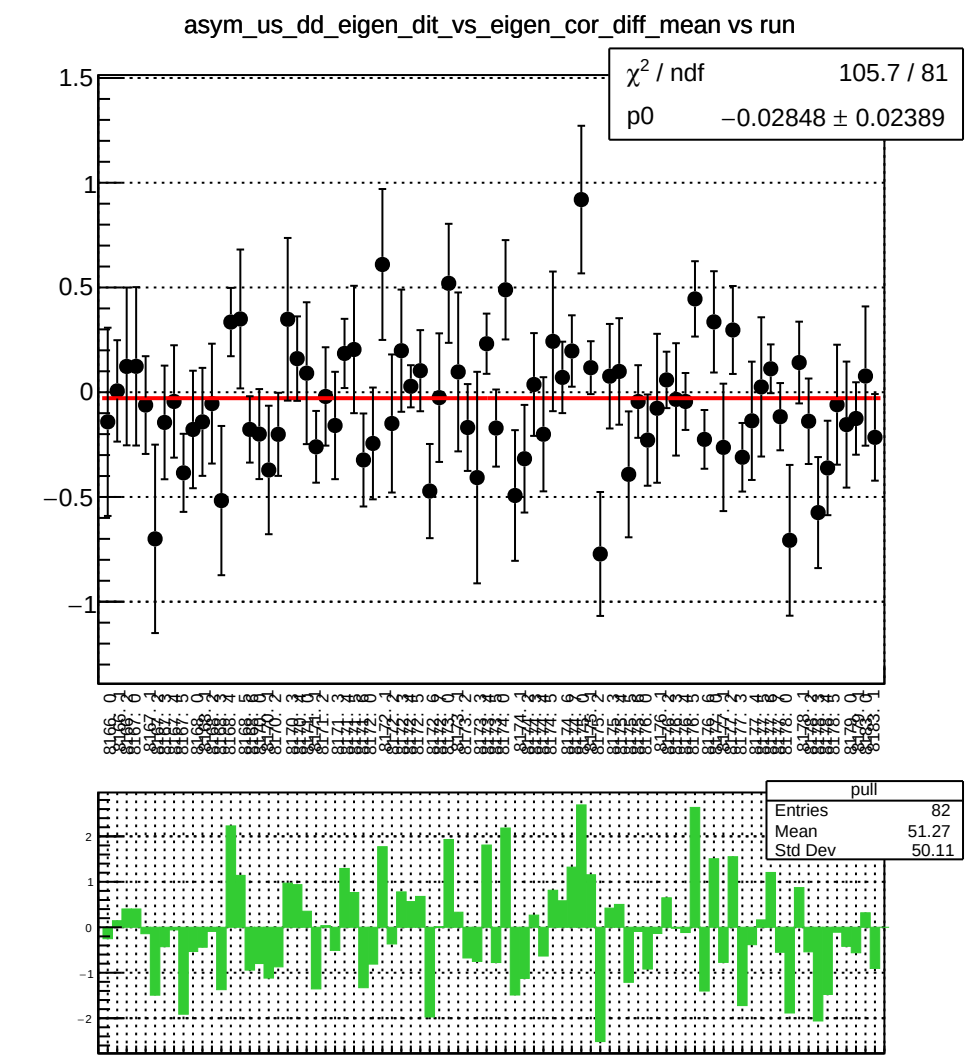

pull1D
Entries 82
Mean −0.0009411
Std Dev 1.074

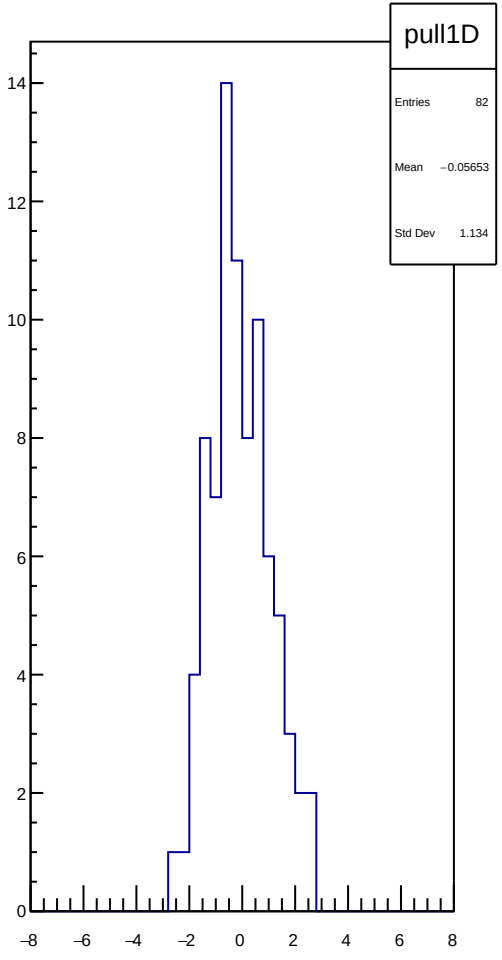

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1002 / 81
p0 0.003931 ± 3.125e−06
0.0044
0.0043
0.0042
0.0041
0.004
0.0039
0.0038
0.0037

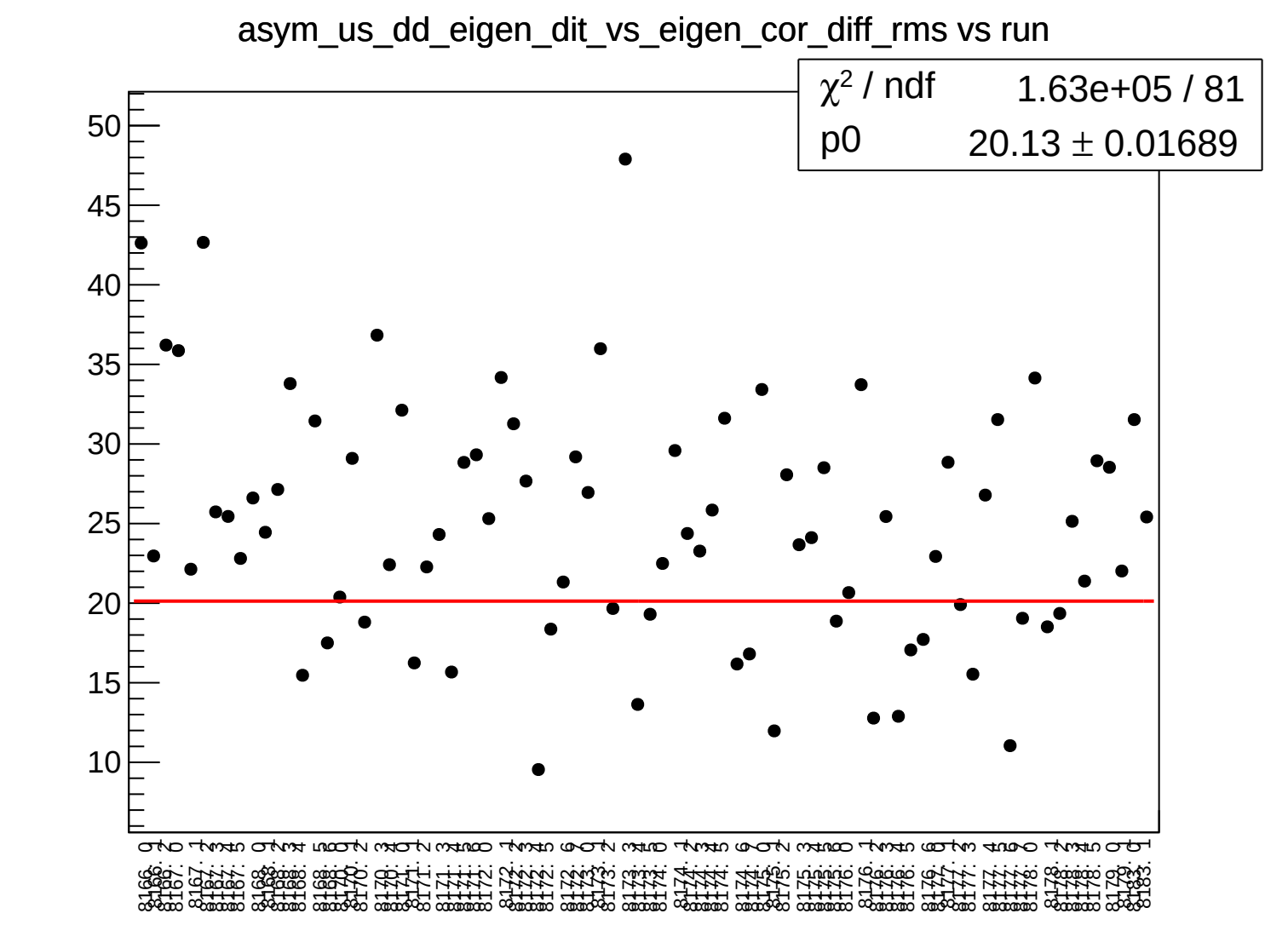

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 105.7 / 81
p0 −0.02848 ± 0.02389
pull
Entries 82
Mean 51.27
Std Dev 50.11

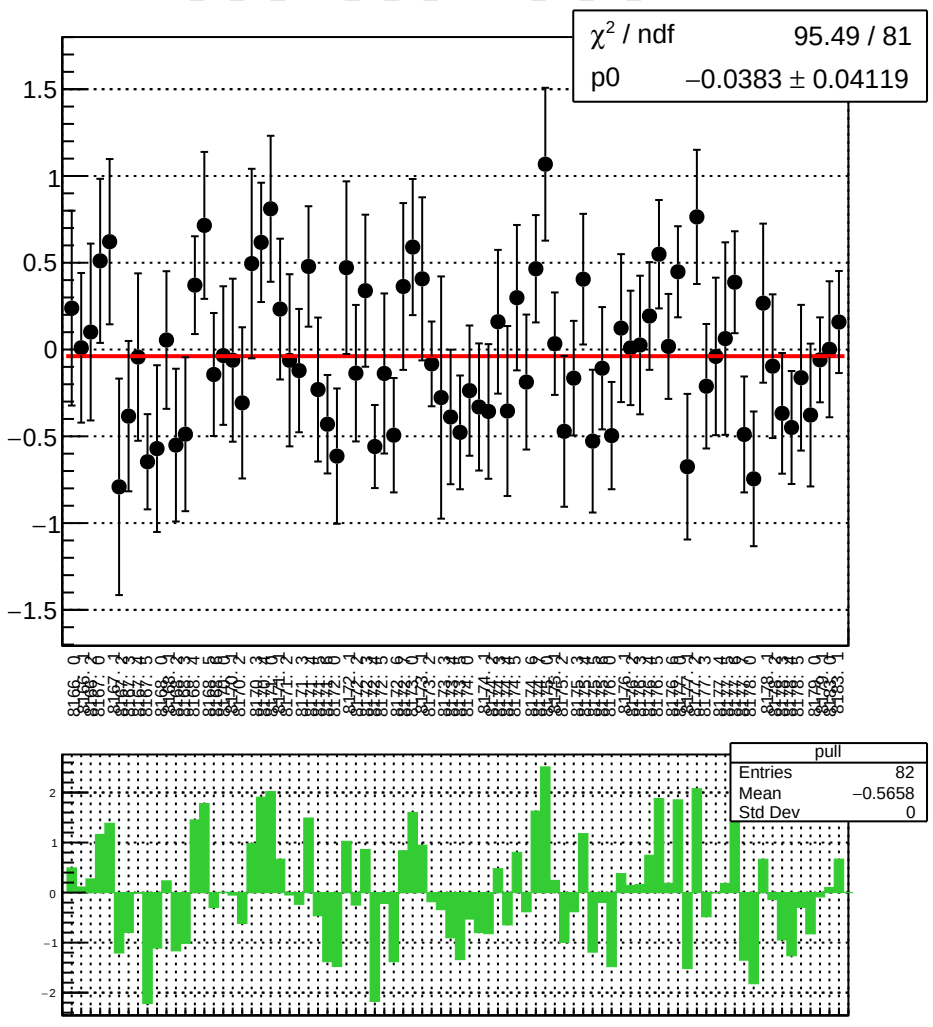

pull1D
Entries 82
Mean −0.05653
Std Dev 1.134

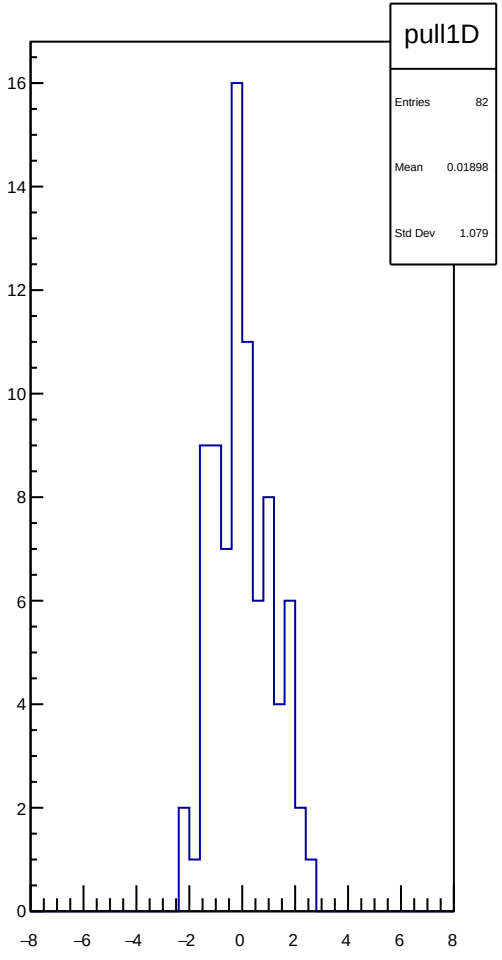

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.63e+05 / 81
p0 20.13 ± 0.01689
50
45
40
35
30
25
20
15
10

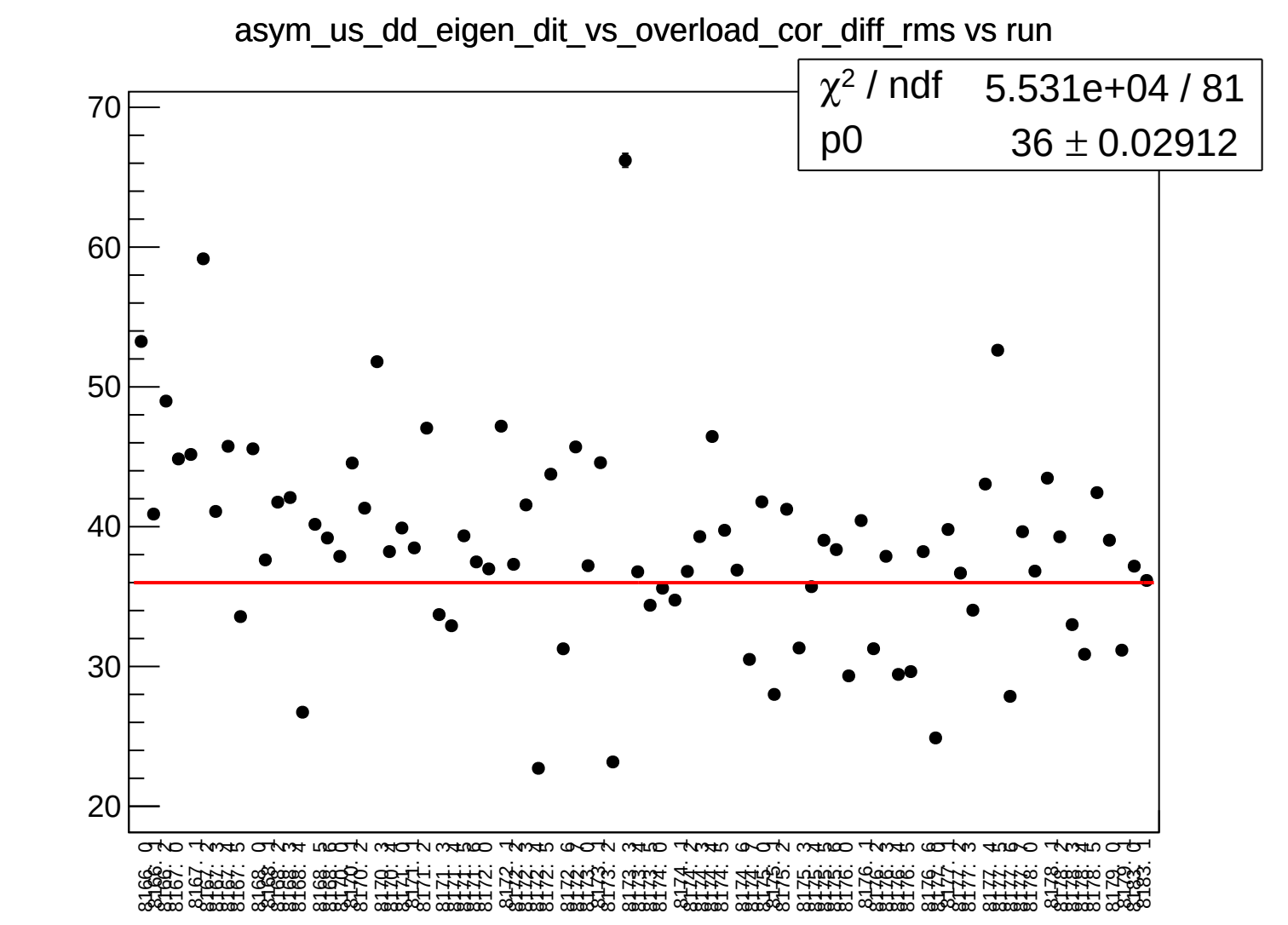

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 105.7 / 81
p0 −0.02848 ± 0.02389
pull
Entries 82
Mean 51.27
Std Dev 50.11

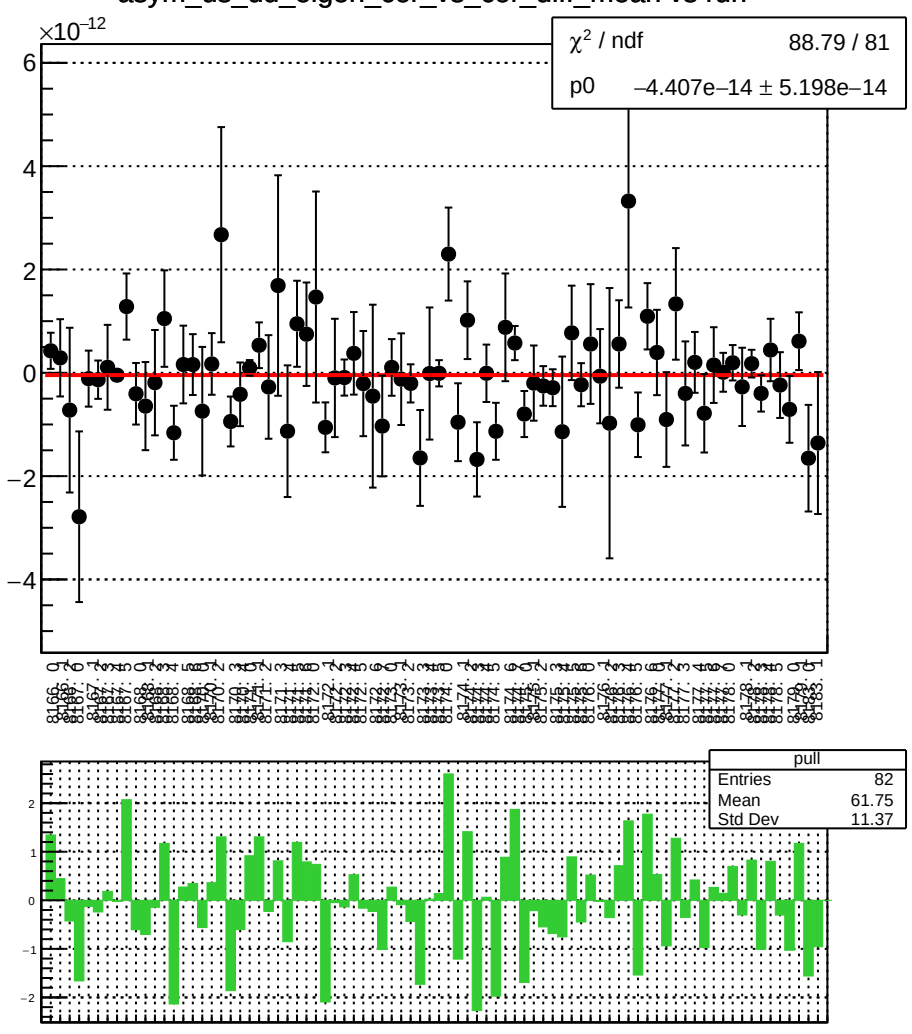

pull1D
Entries 82
Mean −0.05653
Std Dev 1.134

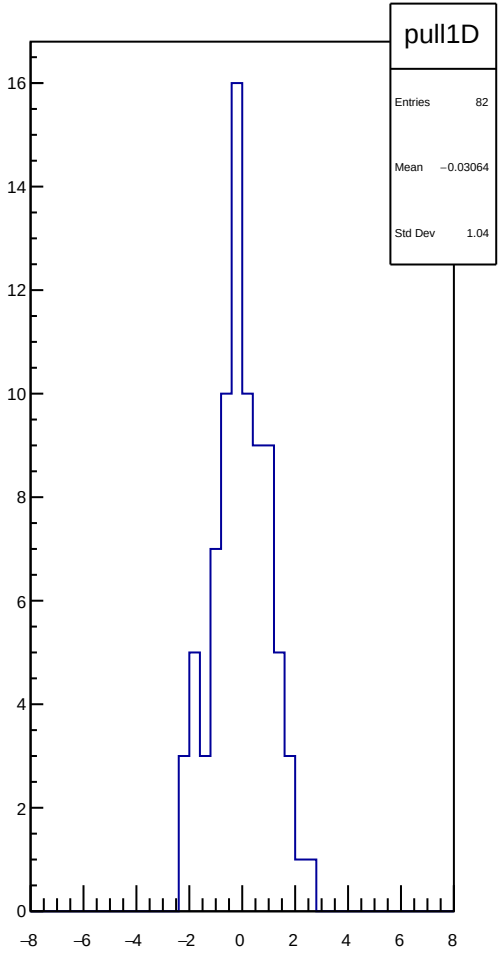

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.63e+05 / 81
p0 20.13 ± 0.01689
50
45
40
35
30
25
20
15
10

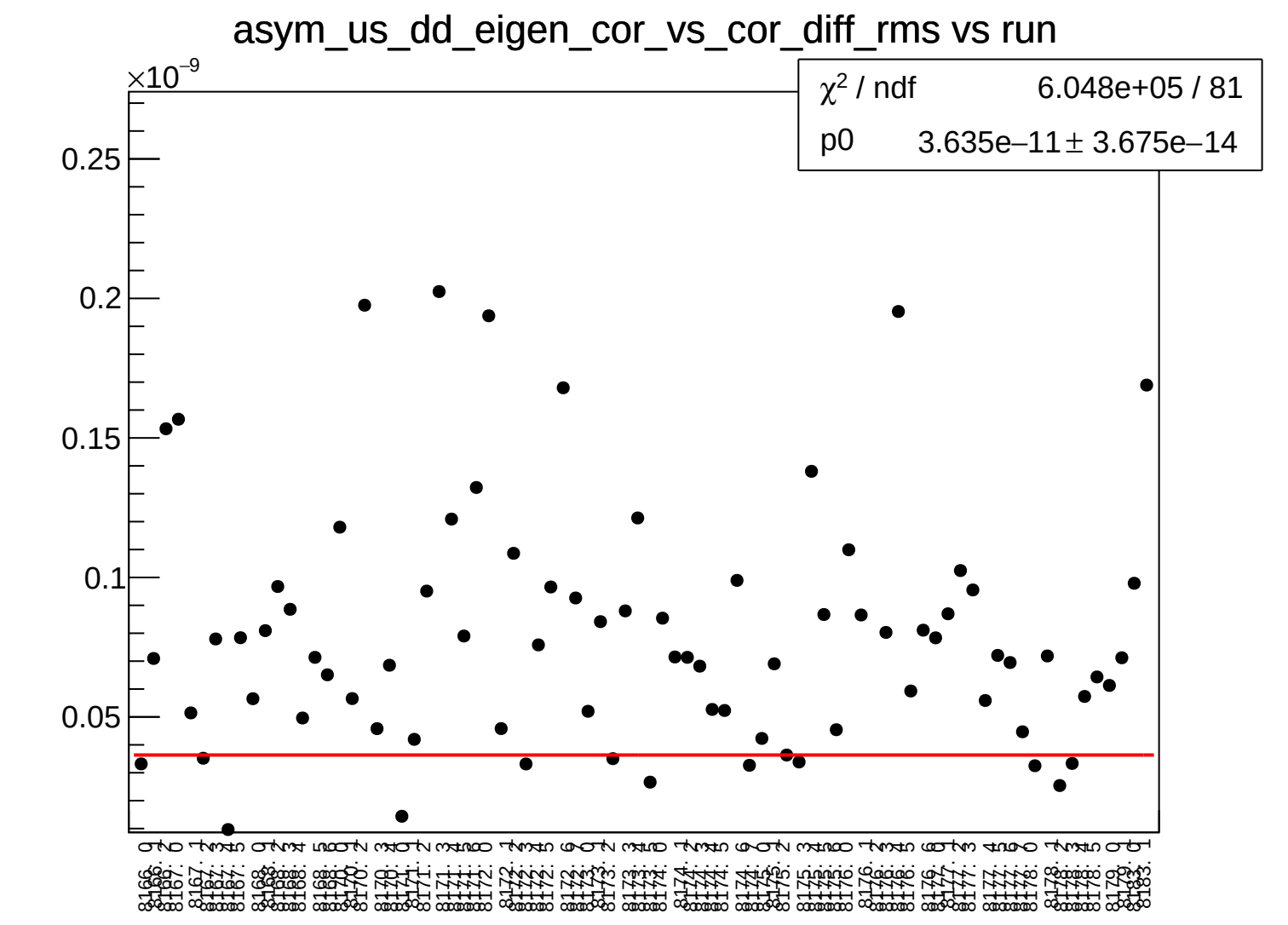

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 95.49 / 81
p0 −0.0383 ± 0.04119
pull
Entries 82
Mean −0.5658
Std Dev 0

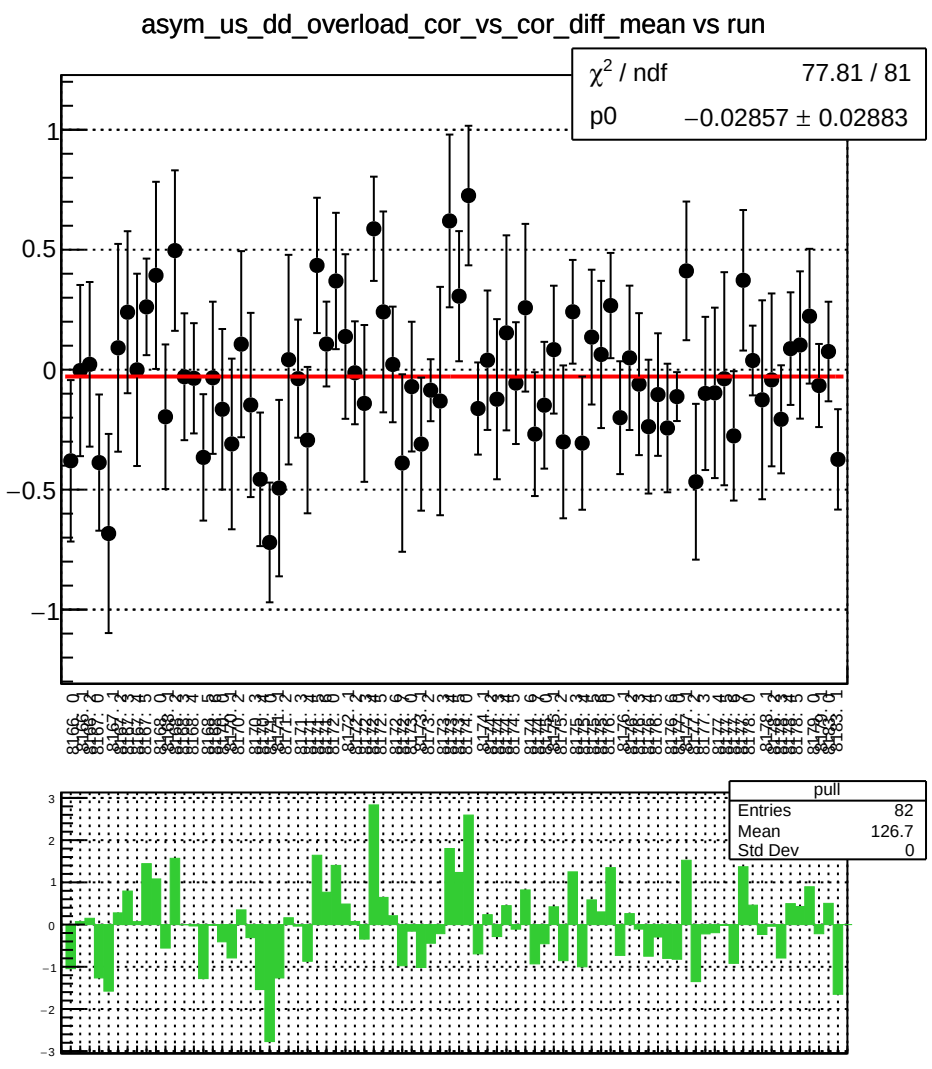

pull1D
Entries 82
Mean 0.01898
Std Dev 1.079

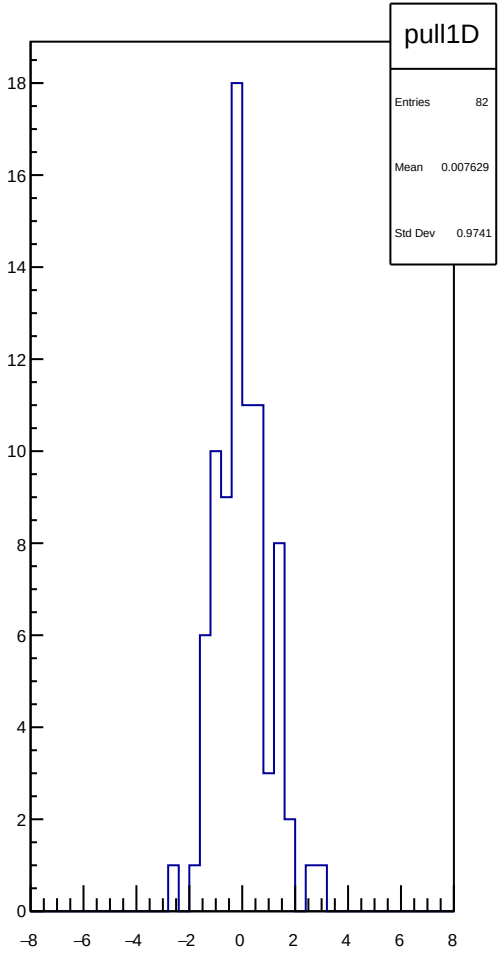

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.531e+04 / 81
p0 36 ± 0.02912
70
60
50
40
30
20

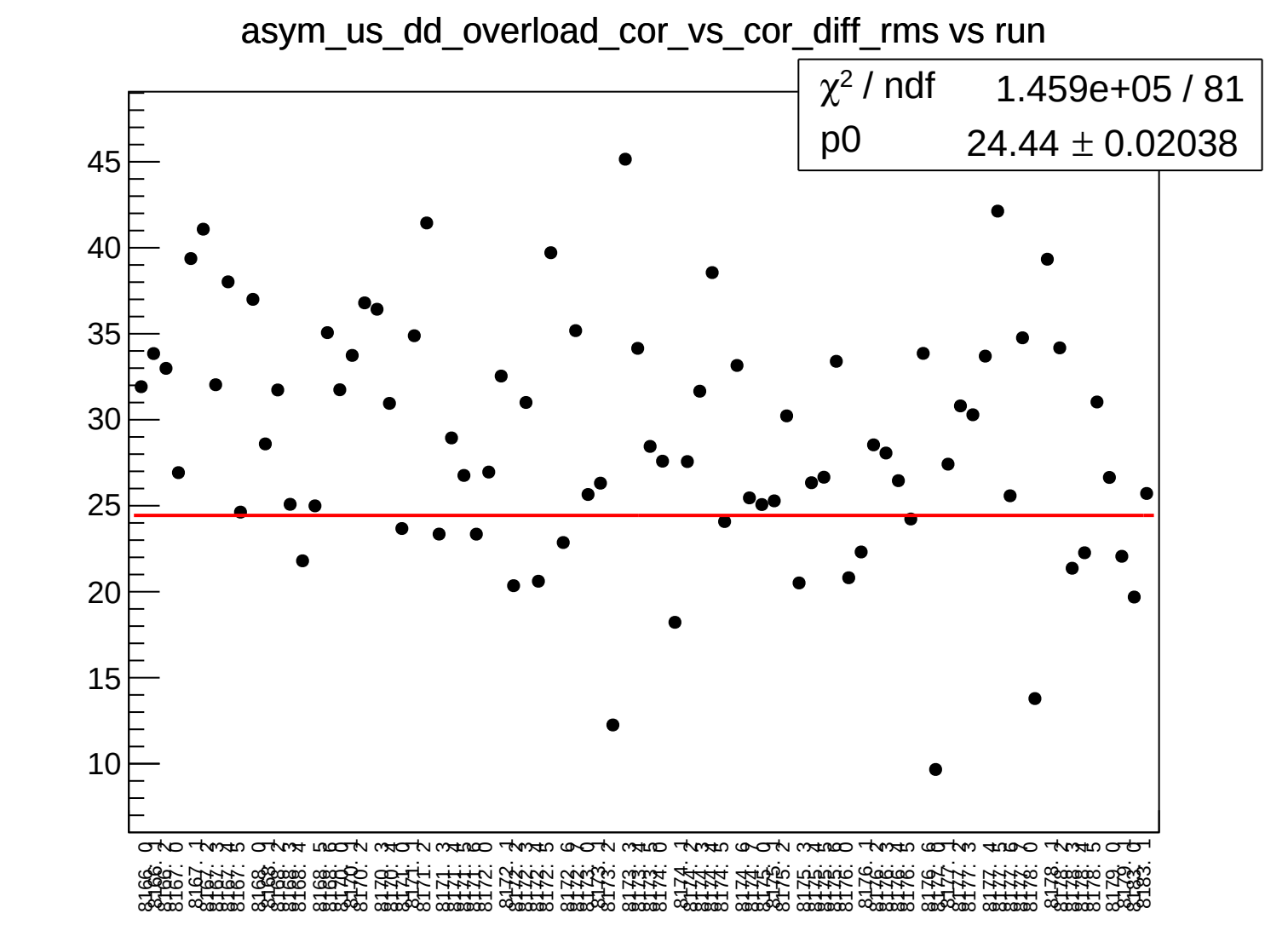

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.79 / 81
p0 −4.407e−14 ± 5.198e−14
pull
Entries 82
Mean 61.75
Std Dev 11.37

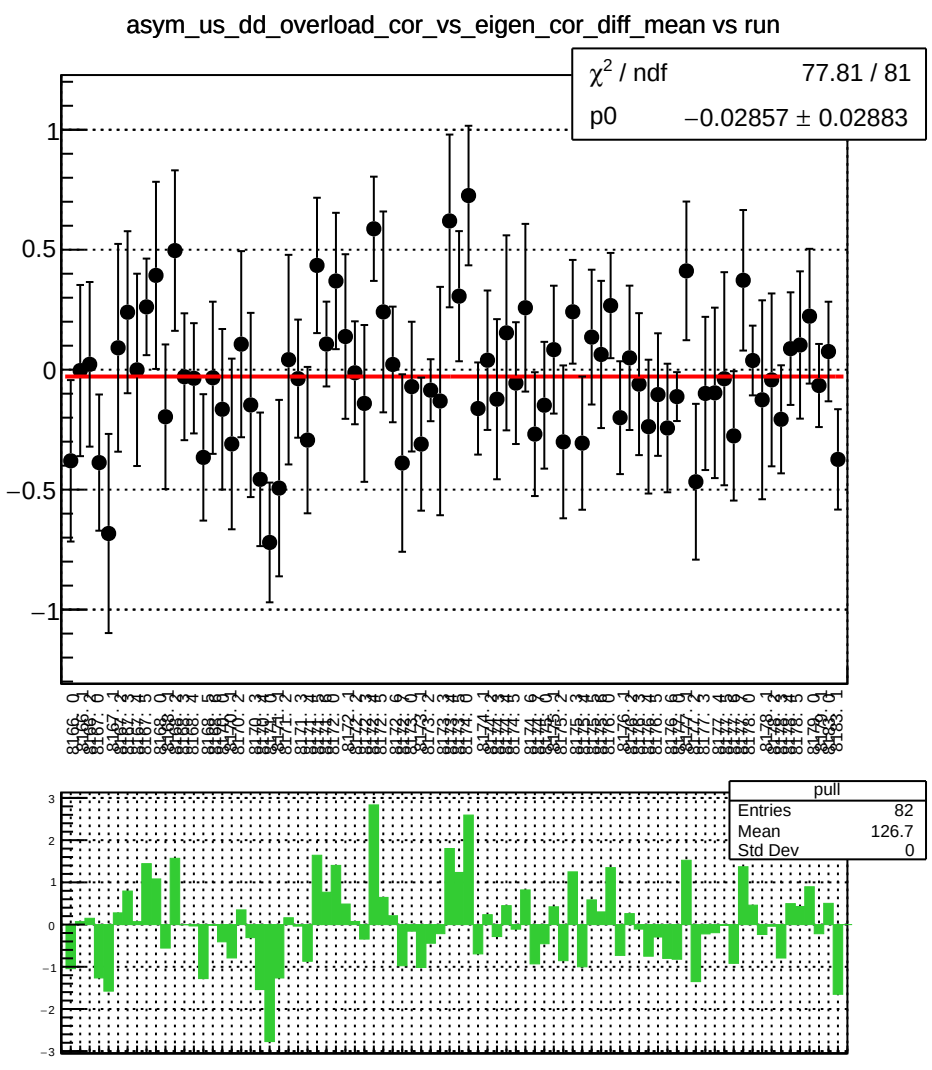

pull1D
Entries 82
Mean −0.03064
Std Dev 1.04

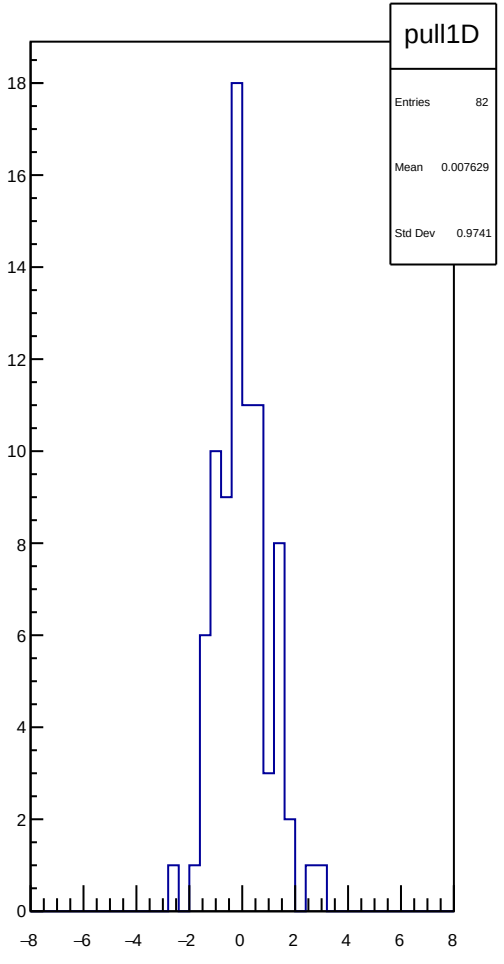

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.048e+05 / 81
p0 3.635e−11 ± 3.675e−14
0.25
0.2
0.15
0.1
0.05

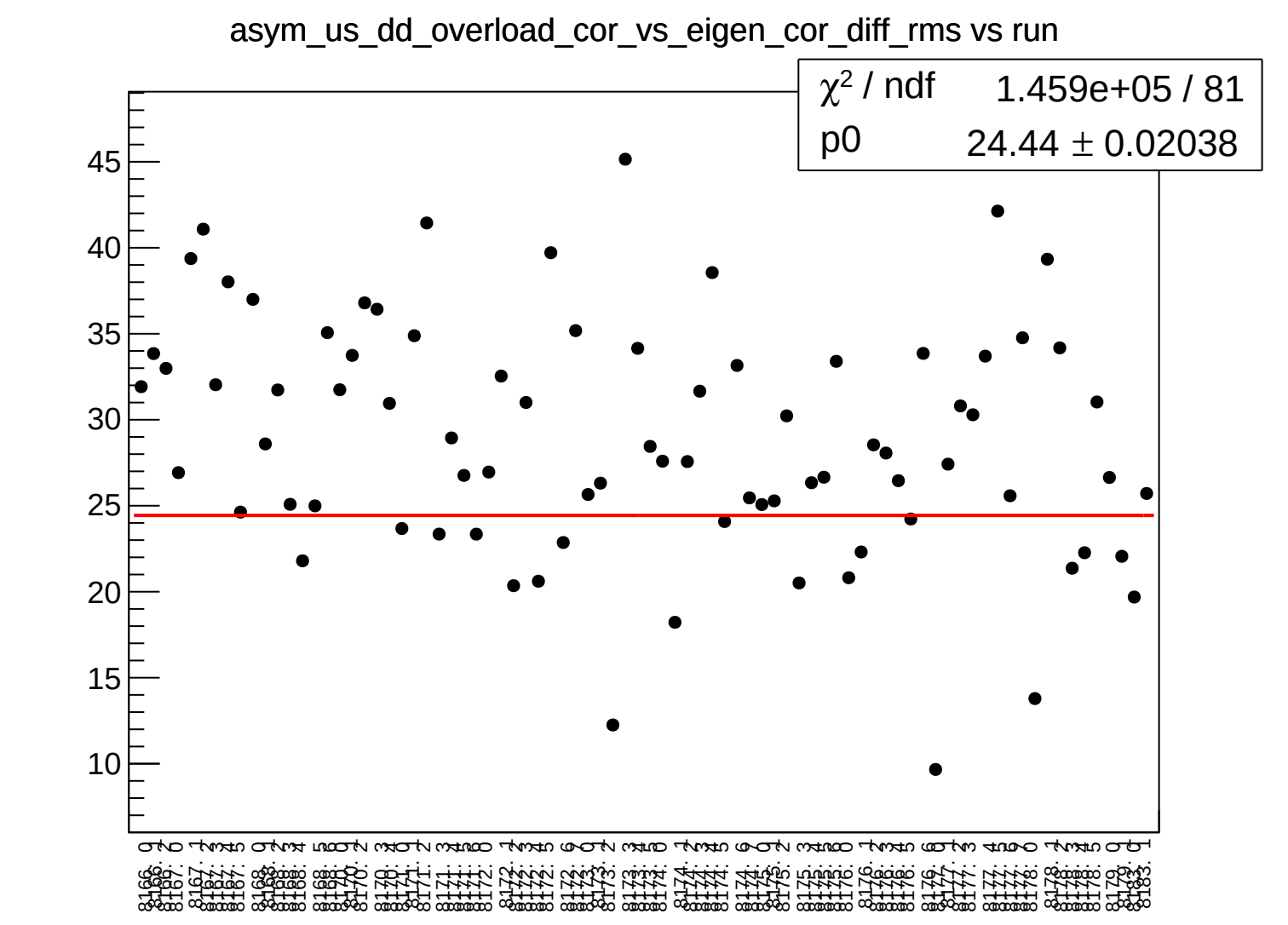

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 77.81 / 81
p0 −0.02857 ± 0.02883
pull
Entries 82
Mean 126.7
Std Dev 0

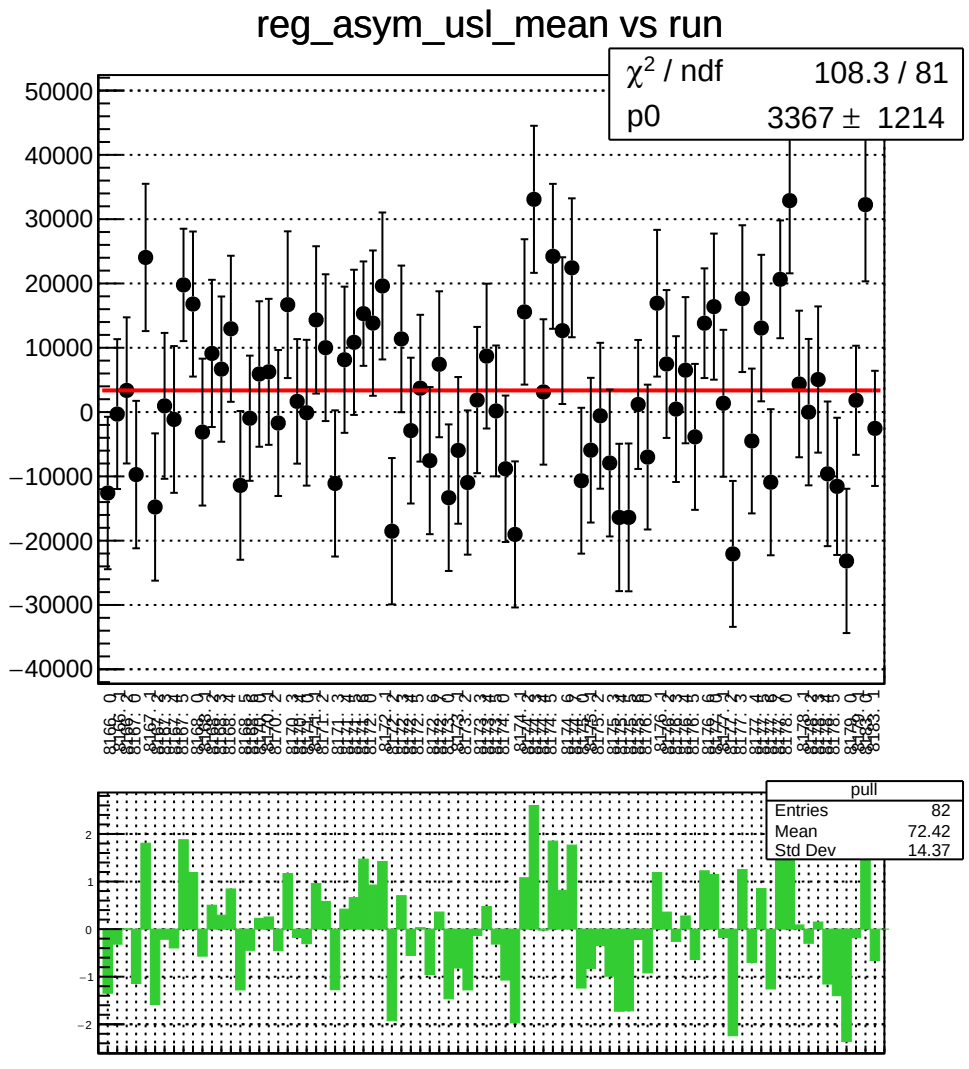

pull1D
Entries 82
Mean 0.007629
Std Dev 0.9741

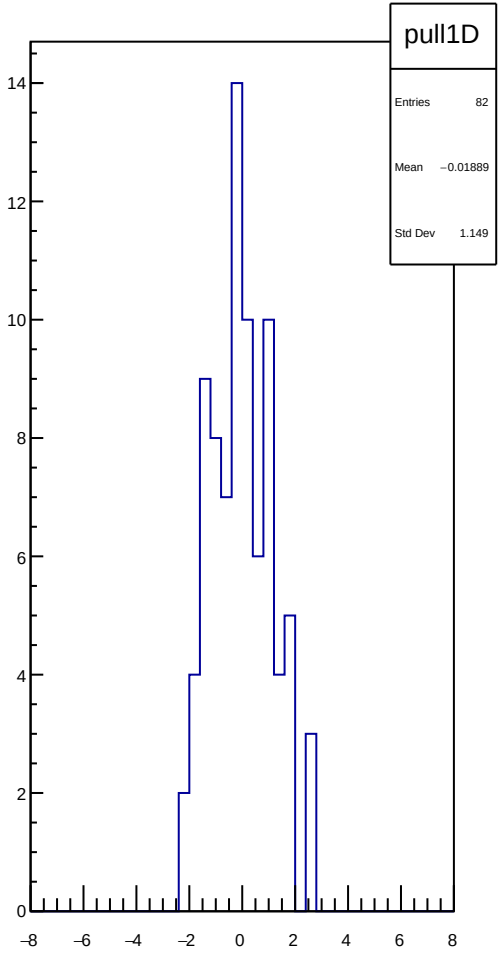

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 1.459e+05 / 81
p0 24.44 ± 0.02038
45
40
35
30
25
20
15
10

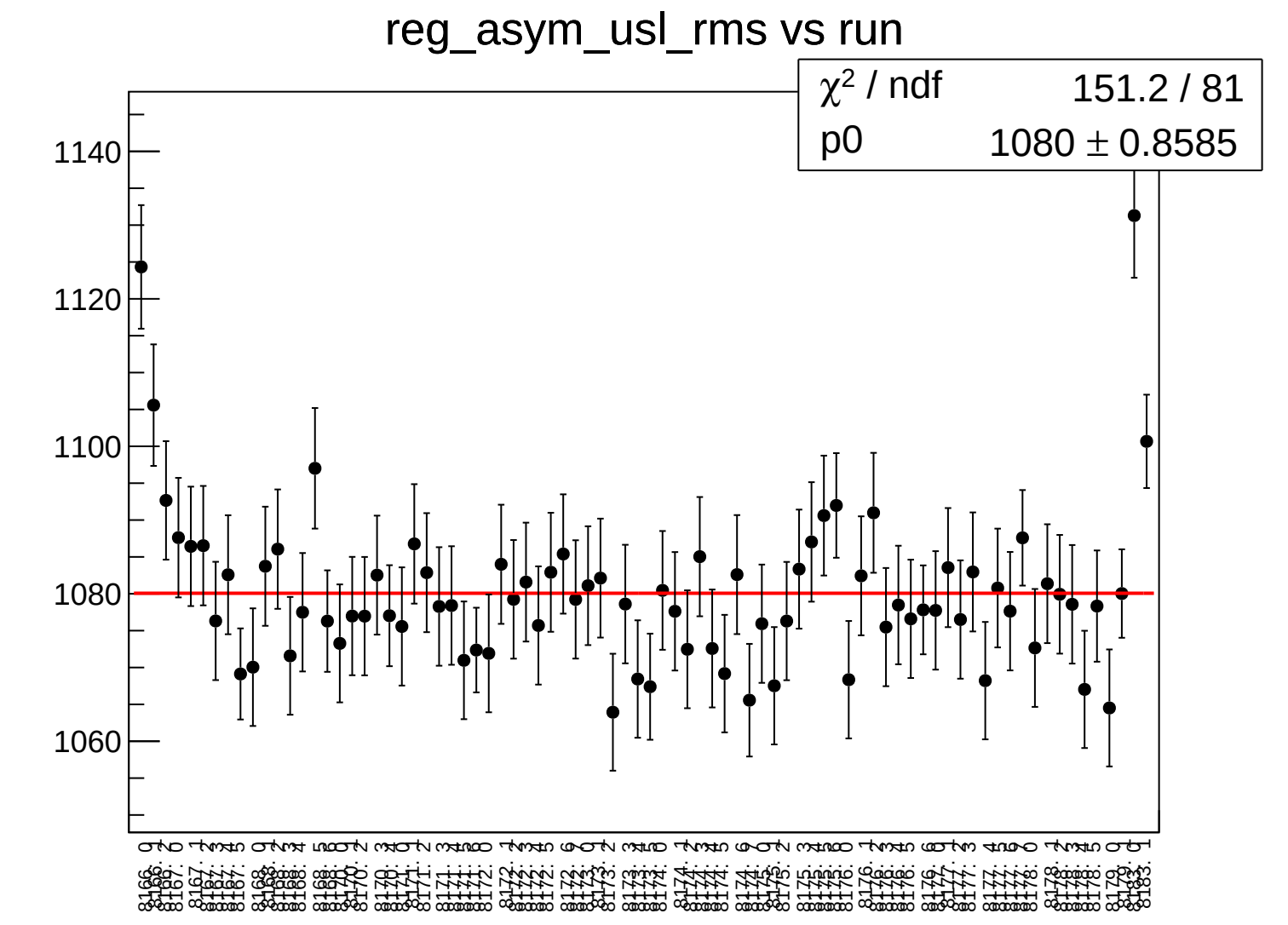

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.81 / 81
p0 −0.02857 ± 0.02883
pull
Entries 82
Mean 126.7
Std Dev 0

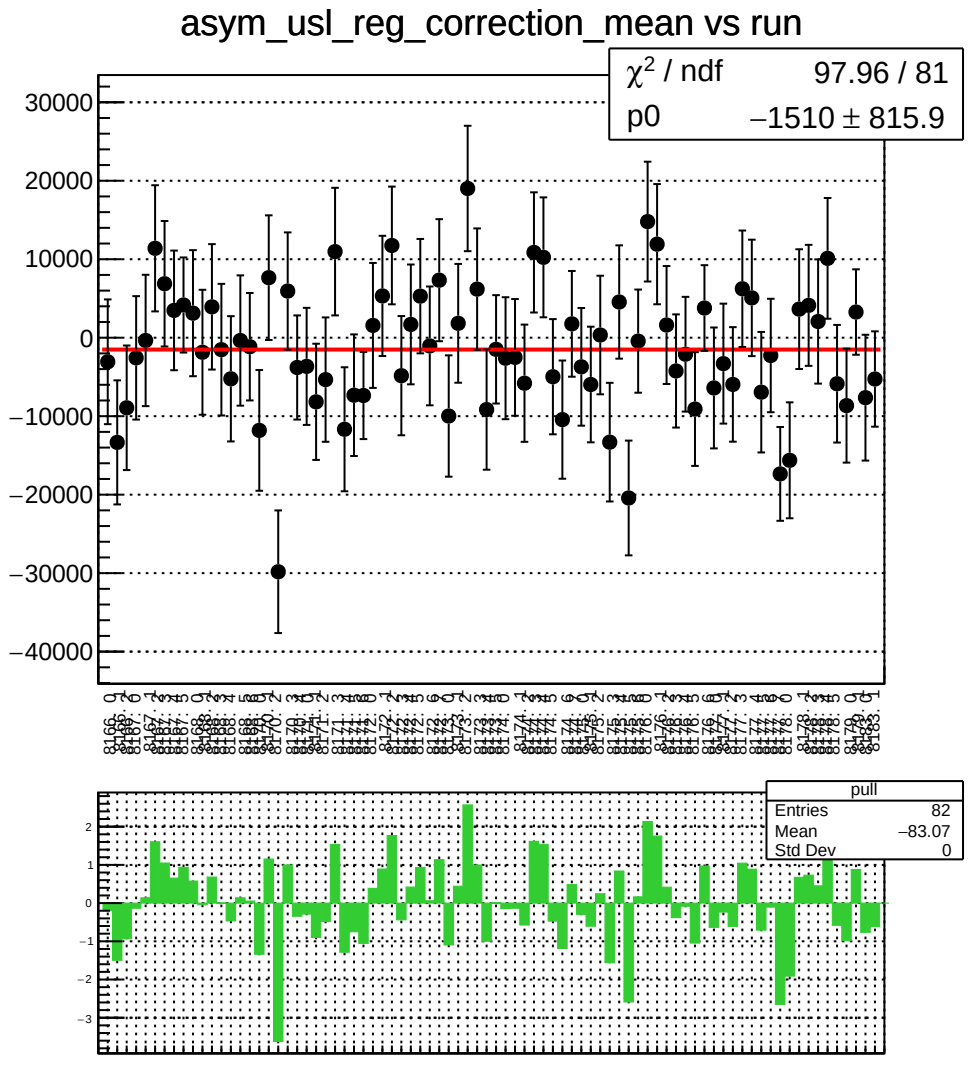

pull1D
Entries 82
Mean 0.007629
Std Dev 0.9741

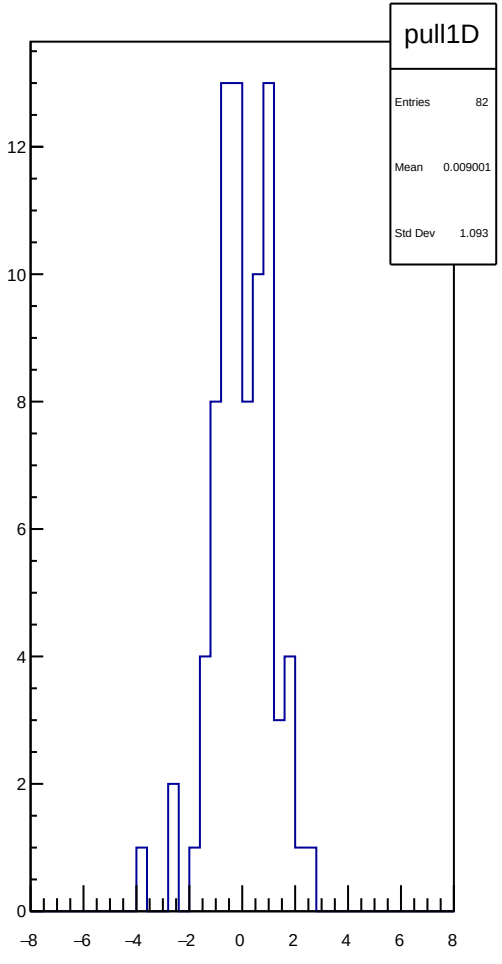

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.459e+05 / 81
p0 24.44 ± 0.02038
45
40
35
30
25
20
15
10

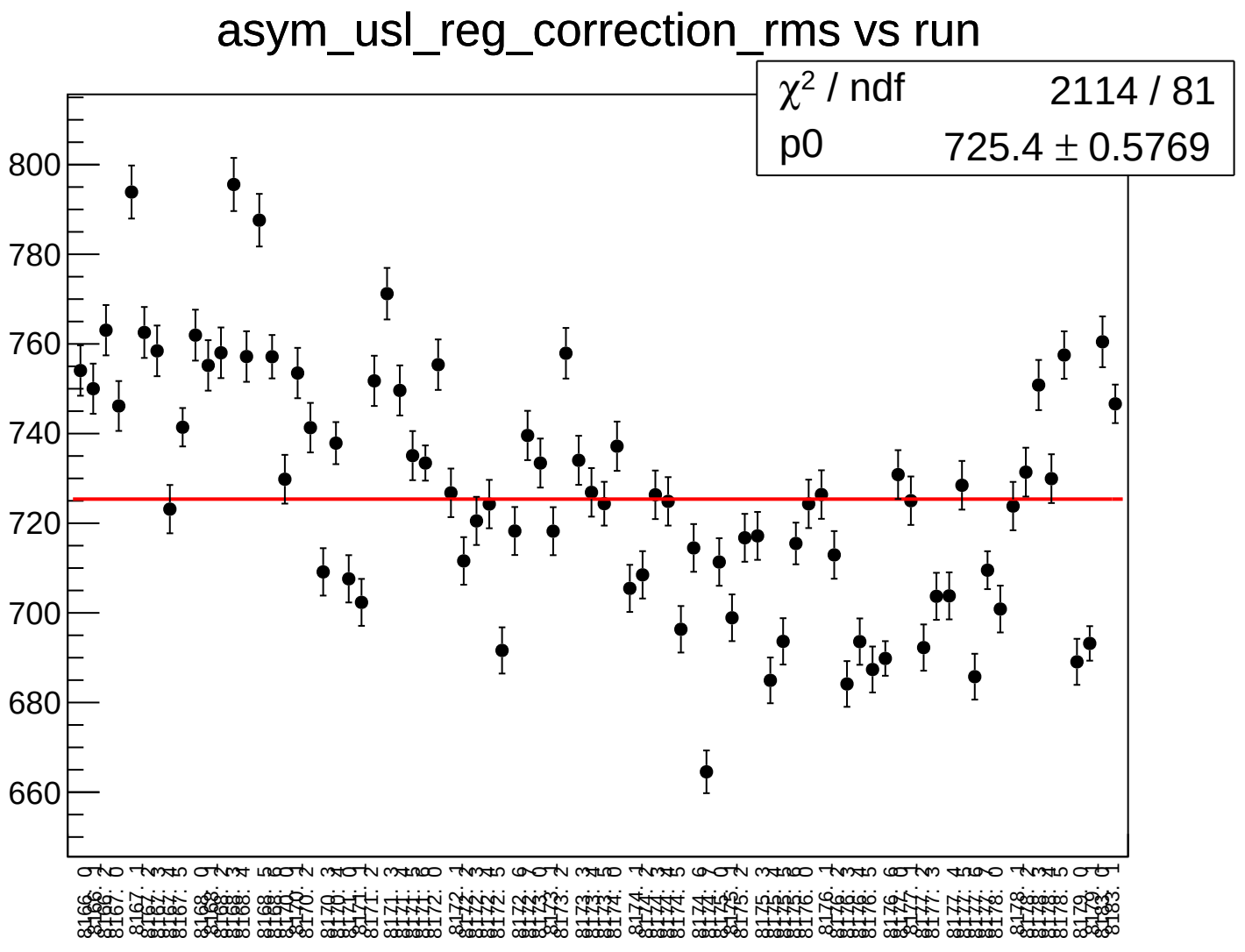

reg_asym_usl_mean vs run
χ² / ndf 108.3 / 81
p0 3367 ± 1214
pull
Entries 82
Mean 72.42
Std Dev 14.37

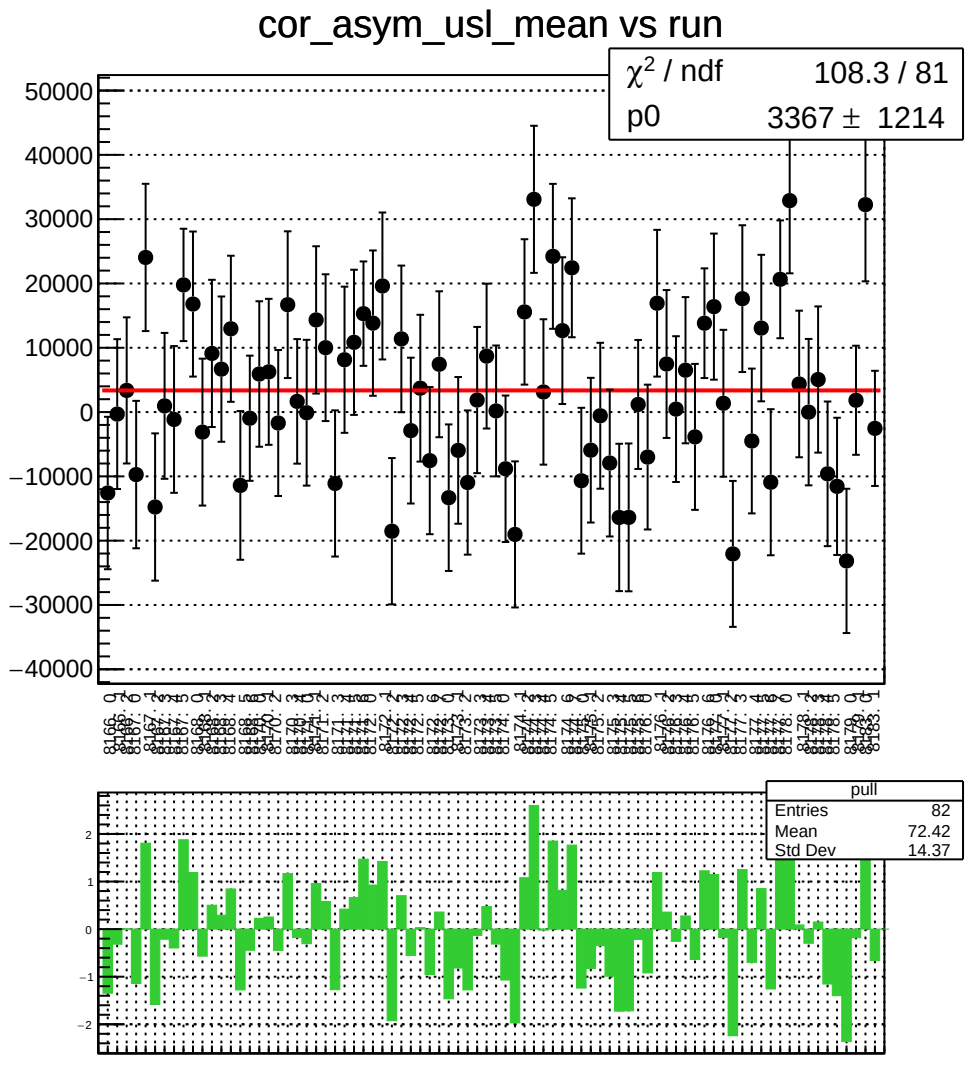

pull1D
Entries 82
Mean −0.01889
Std Dev 1.149

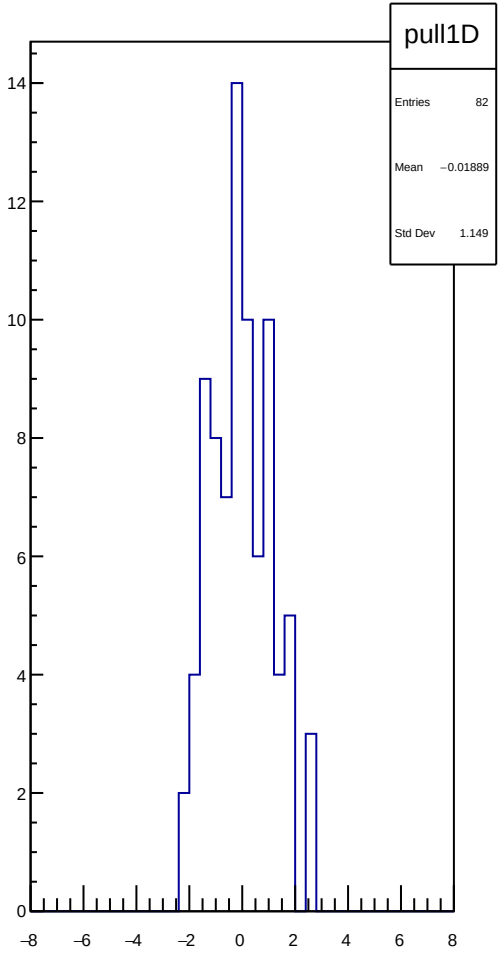

reg_asym_usl_rms vs run
χ² / ndf 151.2 / 81
p0 1080 ± 0.8585
1140
1120
1100
1080
1060

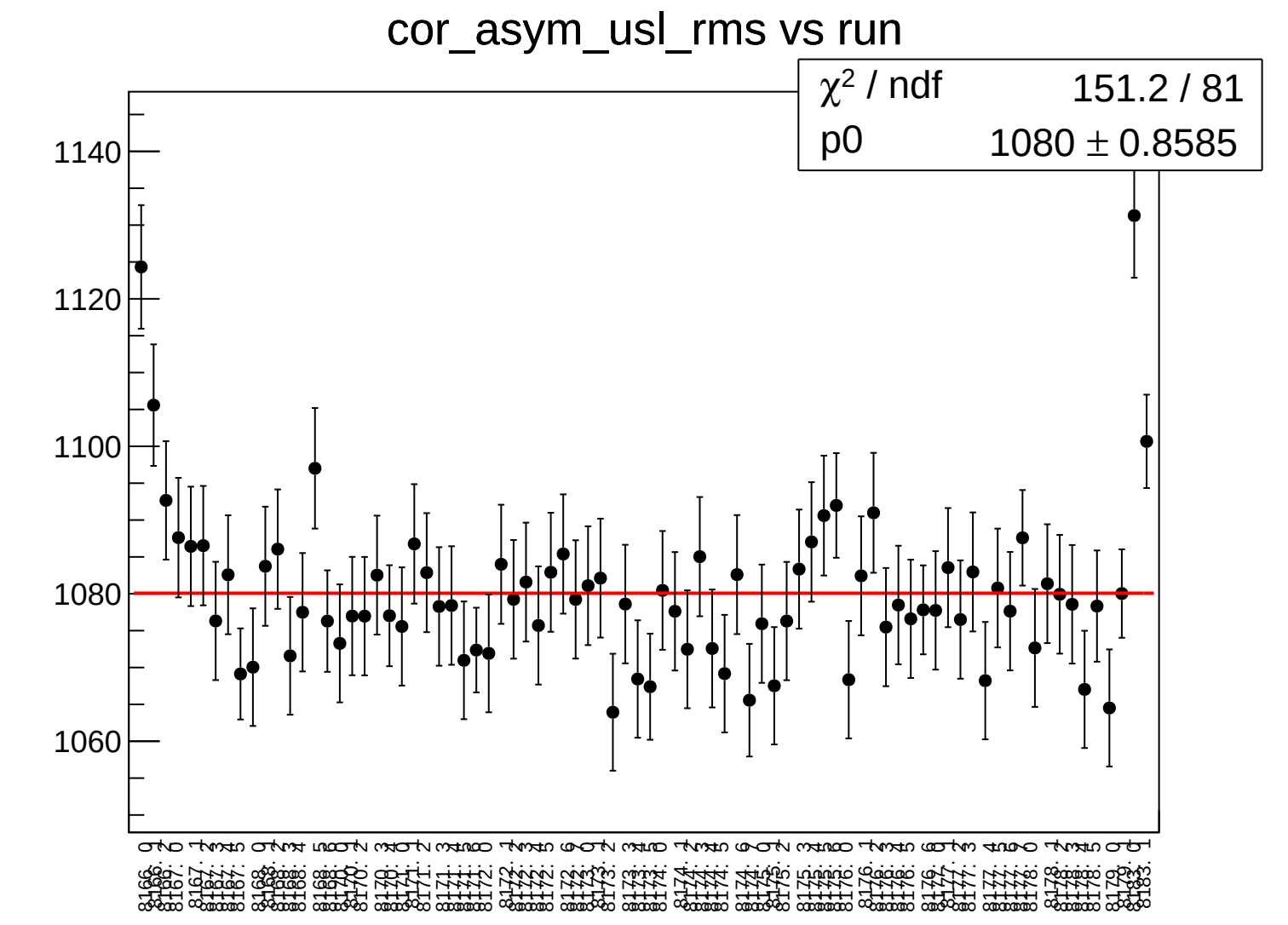

asym_usl_reg_correction_mean vs run
χ² / ndf 97.96 / 81
p0 −1510 ± 815.9
pull
Entries 82
Mean −83.07
Std Dev 0

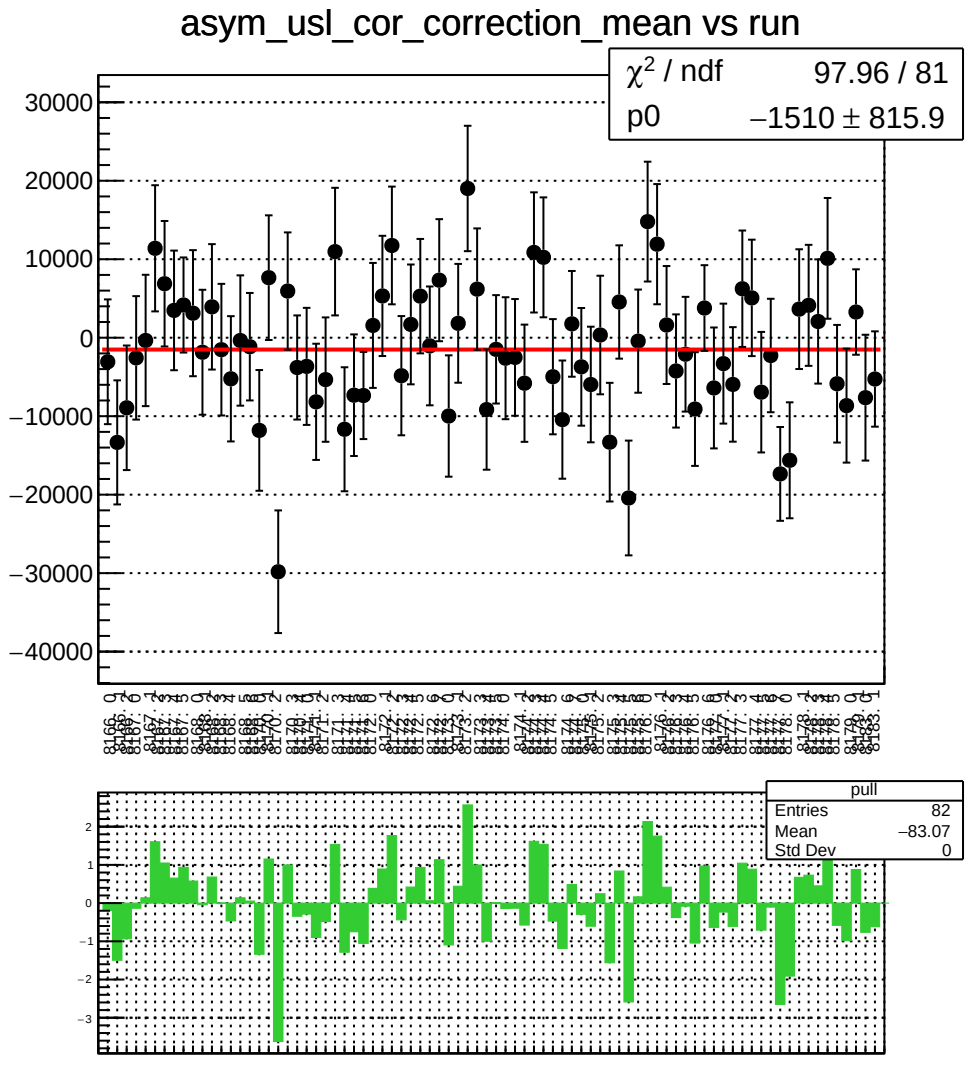

pull1D
Entries 82
Mean 0.009001
Std Dev 1.093

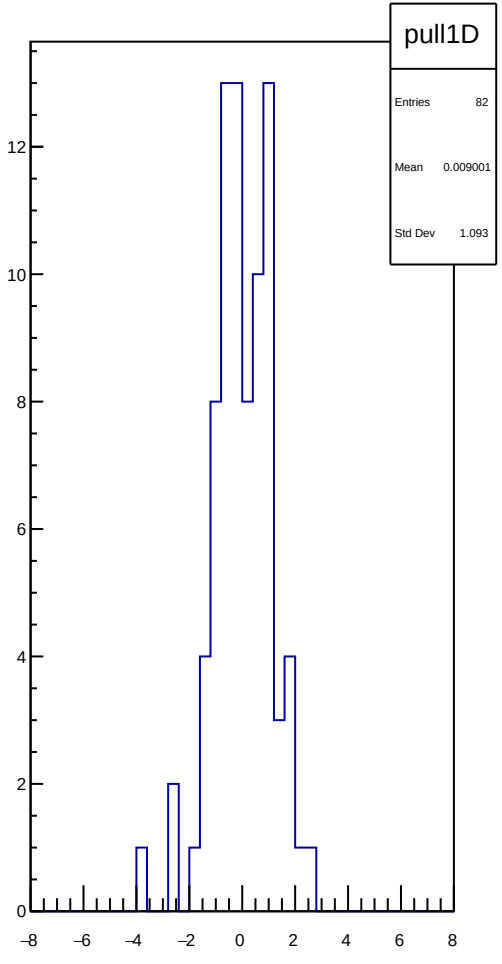

asym_usl_reg_correction_rms vs run
χ² / ndf 2114 / 81
p0 725.4 ± 0.5769
800
780
760
740
720
700
680
660

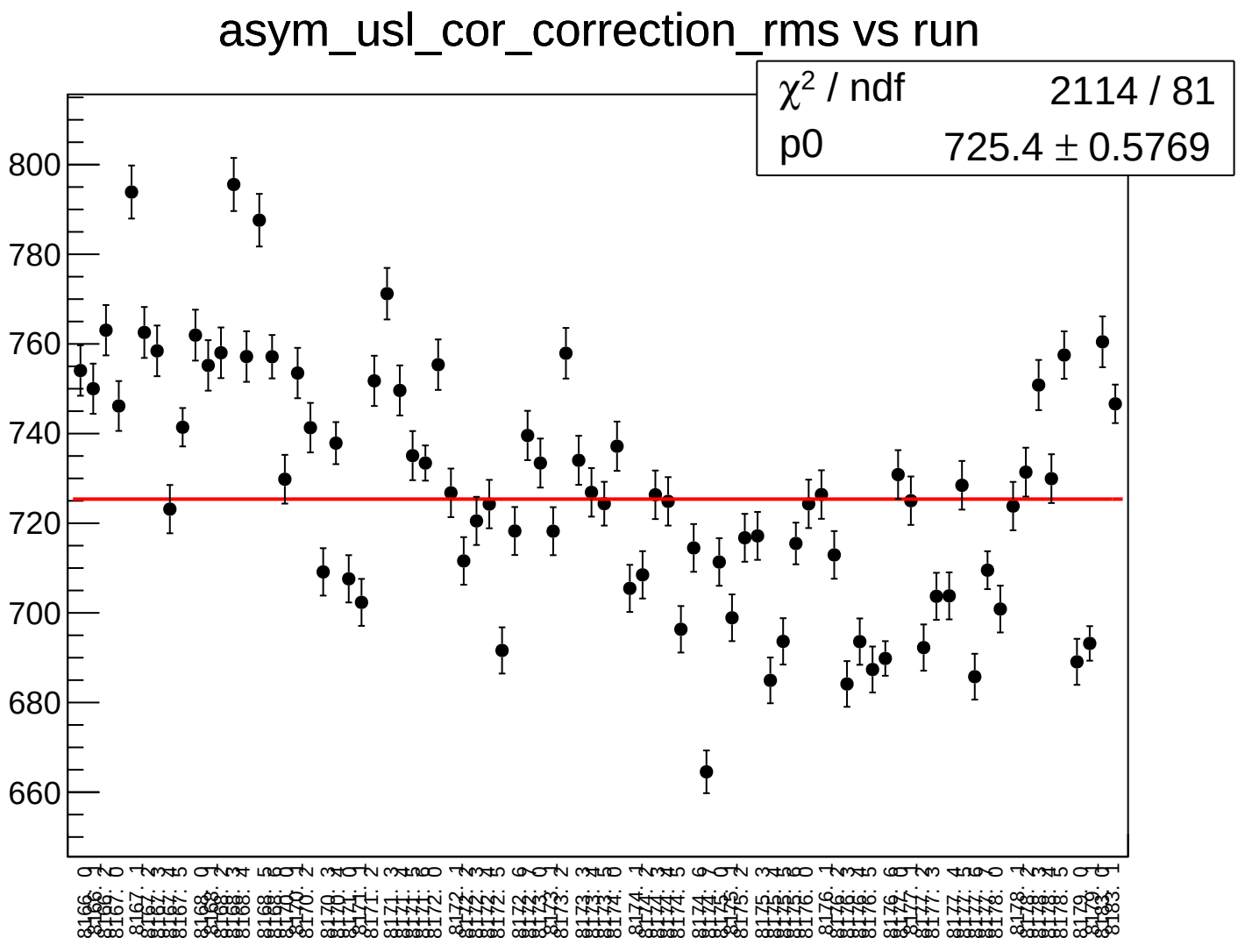

cor_asym_usl_mean vs run
χ² / ndf 108.3 / 81
p0 3367 ± 1214
pull
Entries 82
Mean 72.42
Std Dev 14.37

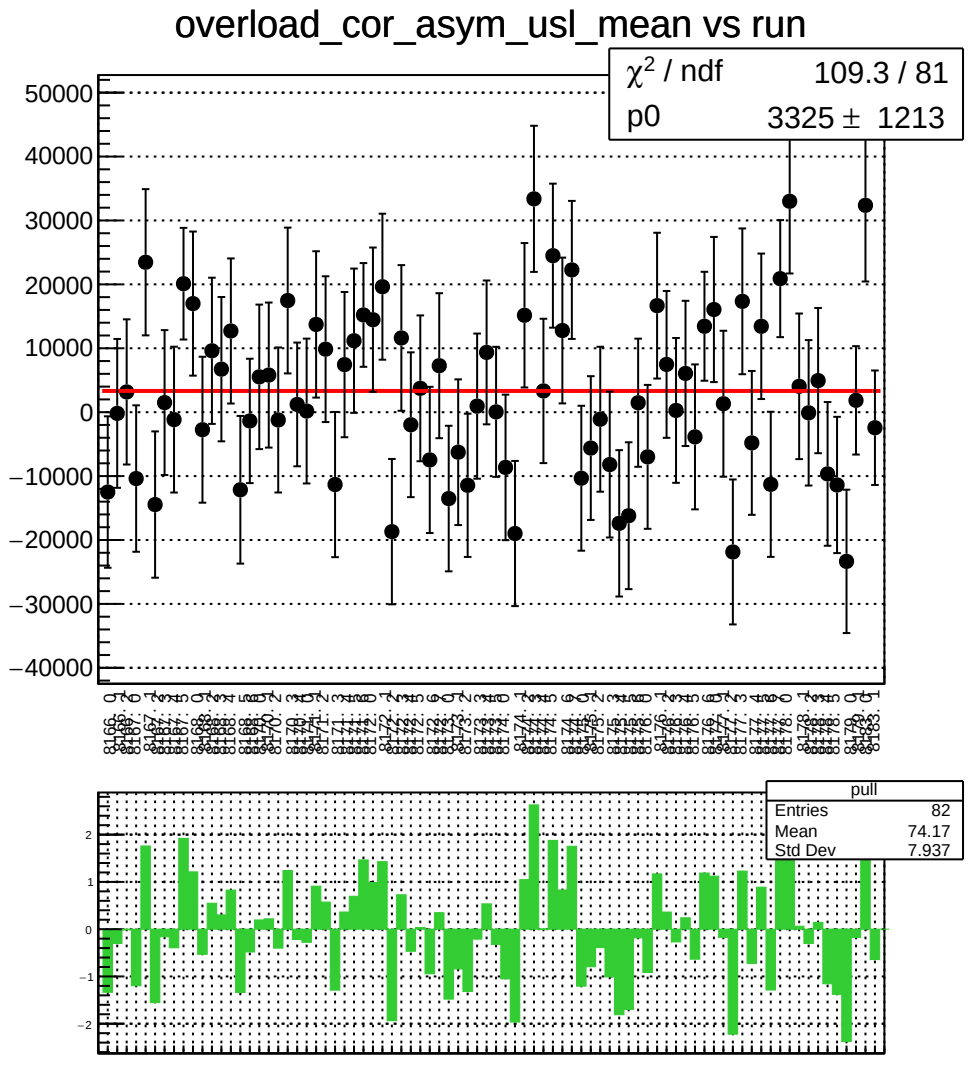

pull1D
Entries 82
Mean −0.01889
Std Dev 1.149

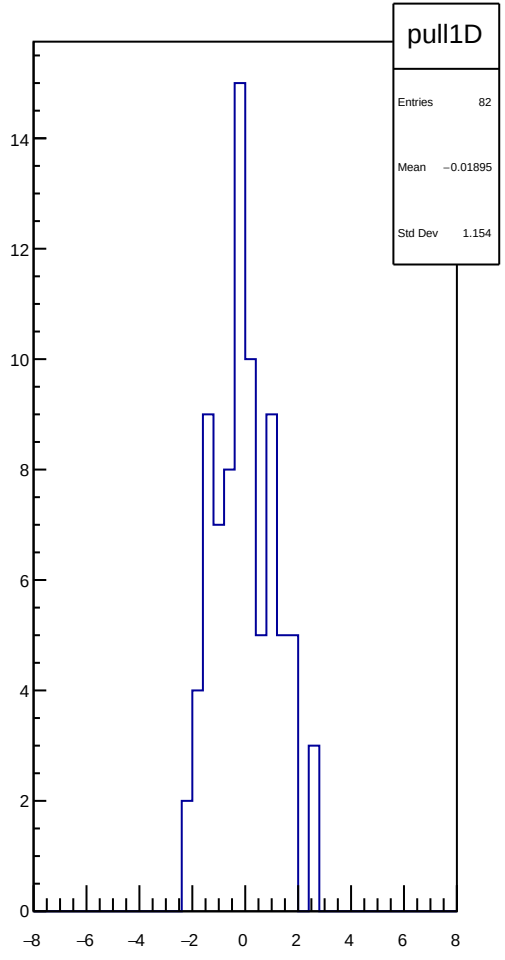

cor_asym_usl_rms vs run
χ² / ndf 151.2 / 81
p0 1080 ± 0.8585
1140
1120
1100
1080
1060

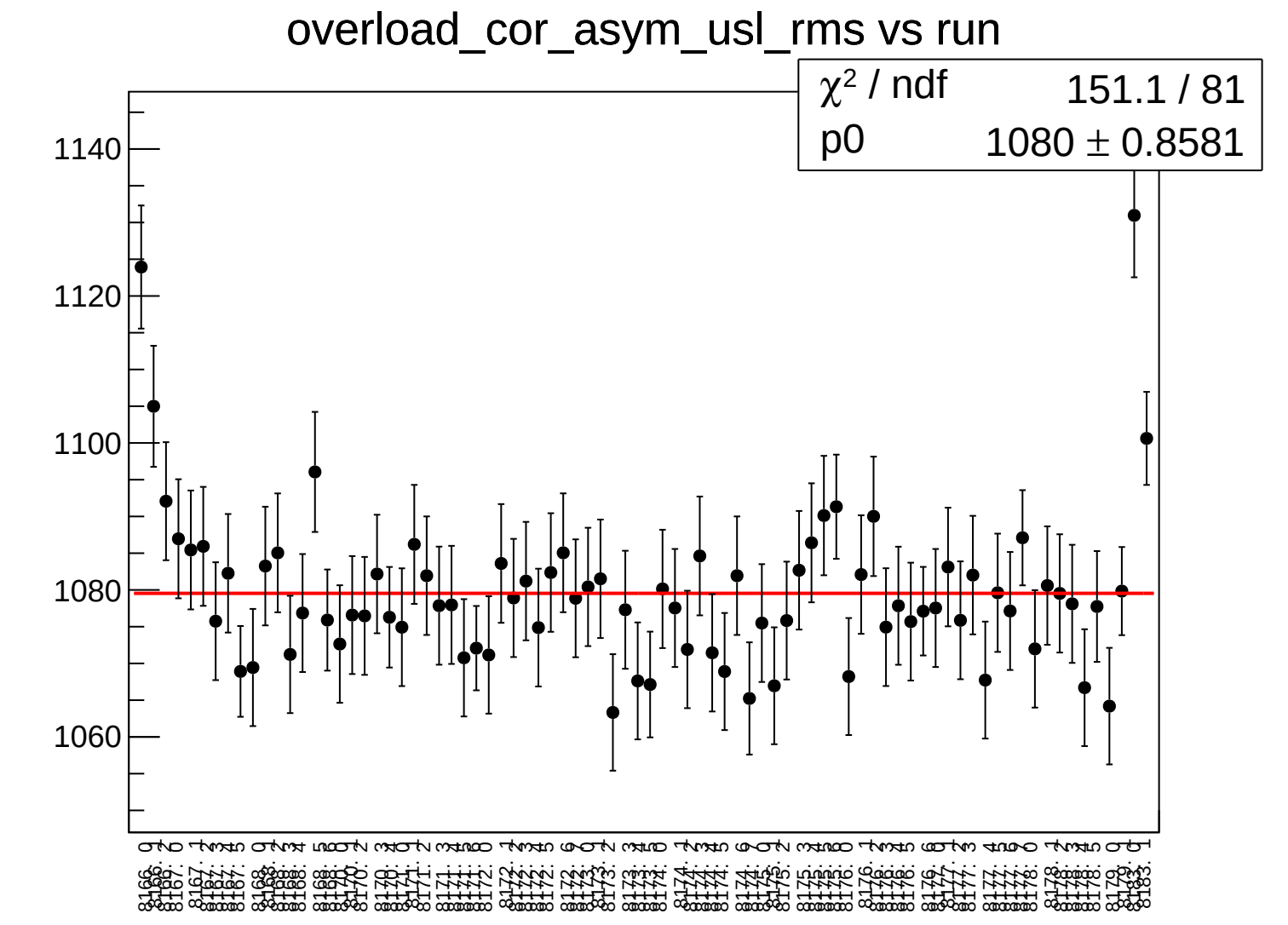

asym_usl_cor_correction_mean vs run
χ² / ndf 97.96 / 81
p0 −1510 ± 815.9
pull
Entries 82
Mean −83.07
Std Dev 0

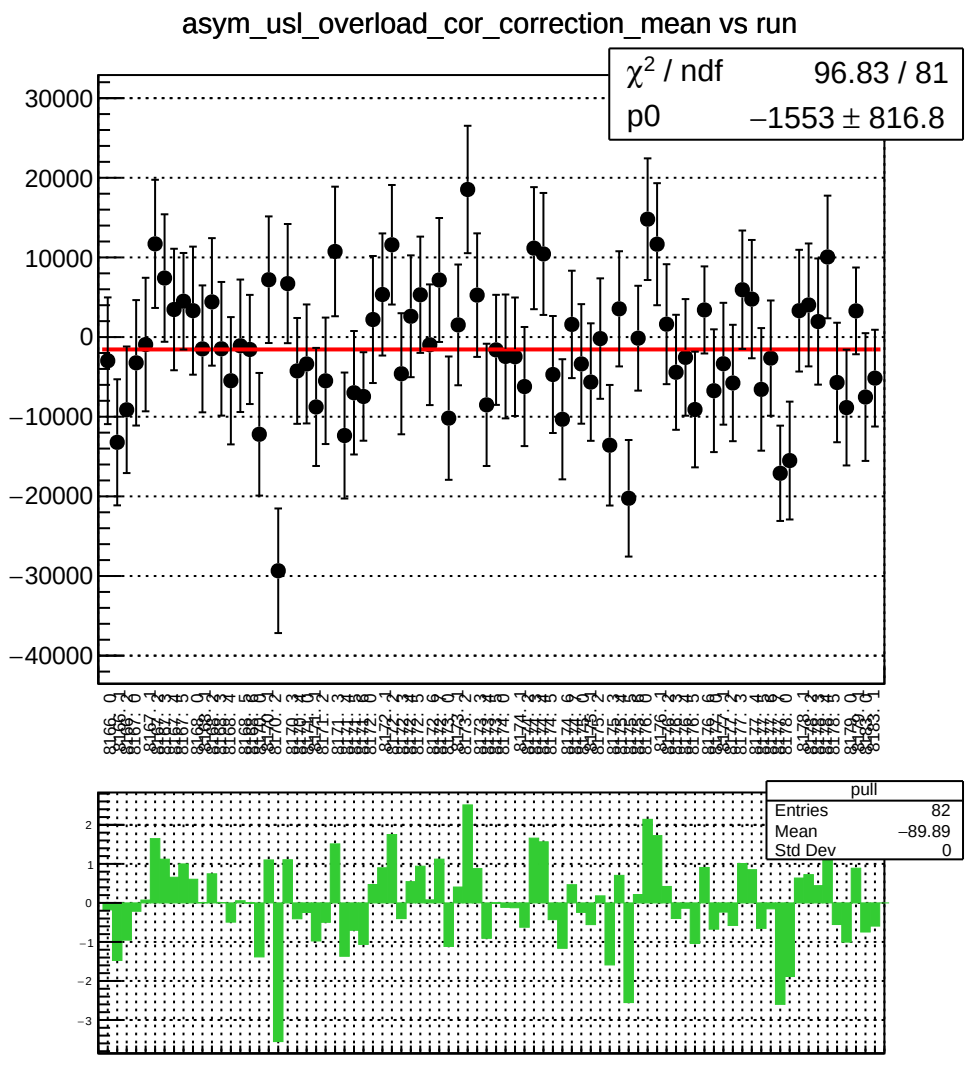

pull1D
Entries 82
Mean 0.009001
Std Dev 1.093

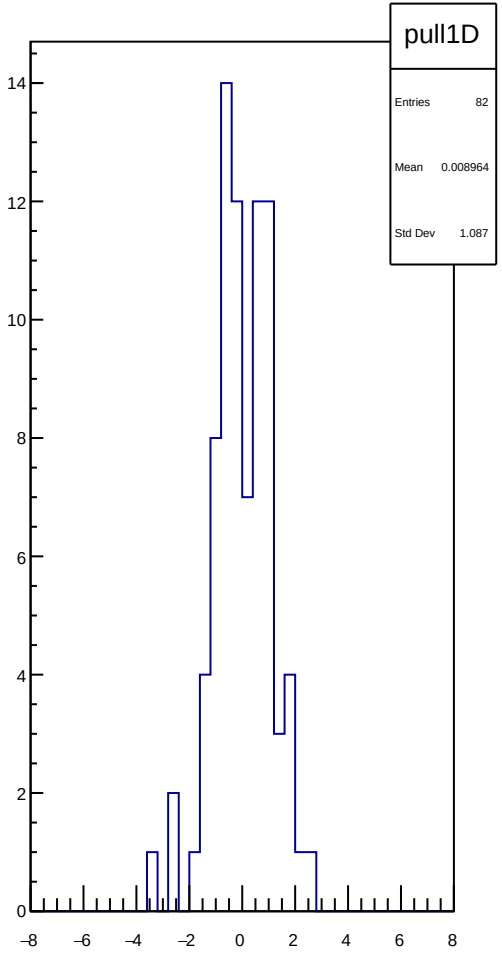

asym_usl_cor_correction_rms vs run
χ² / ndf 2114 / 81
p0 725.4 ± 0.5769
800
780
760
740
720
700
680
660

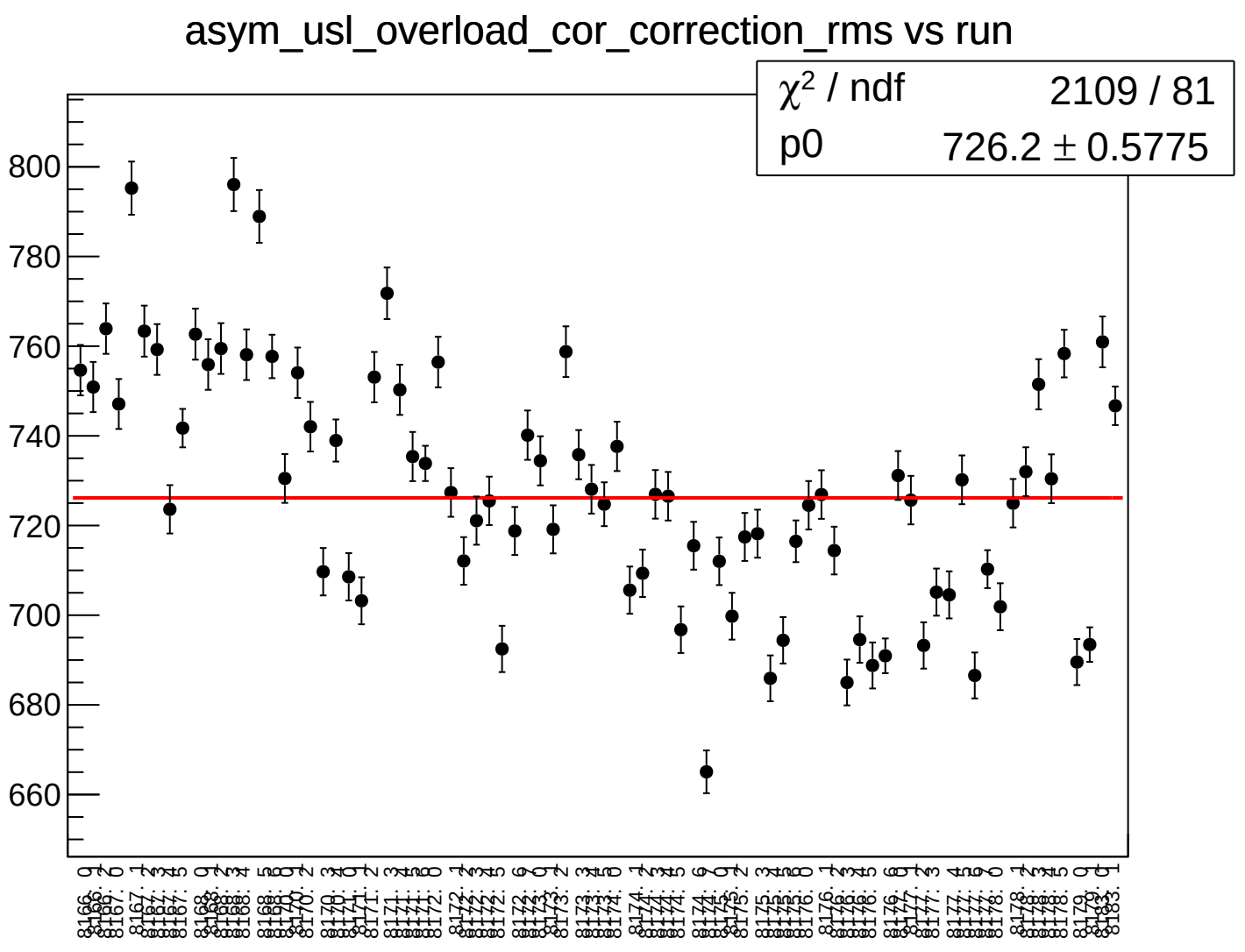

overload_cor_asym_usl_mean vs run
χ² / ndf 109.3 / 81
p0 3325 ± 1213
pull
Entries 82
Mean 74.17
Std Dev 7.937

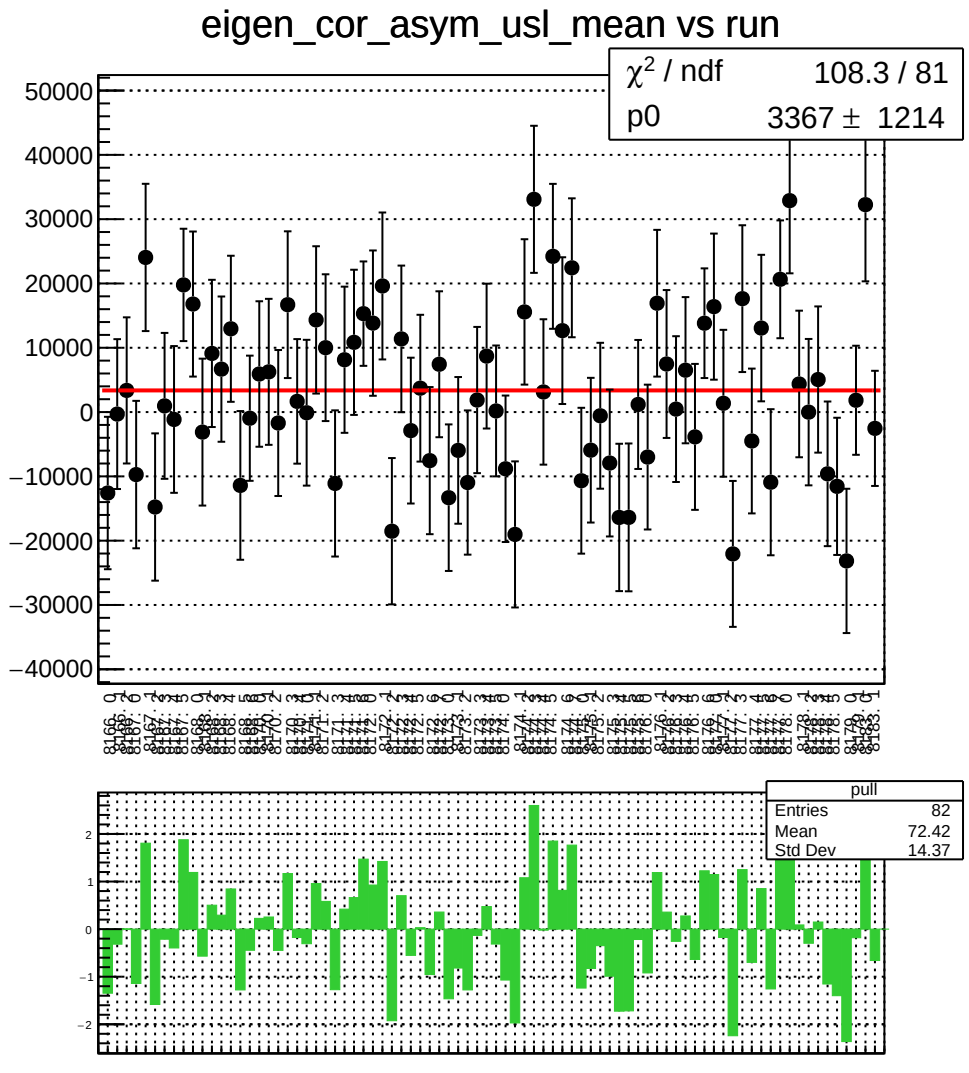

pull1D
Entries 82
Mean −0.01895
Std Dev 1.154

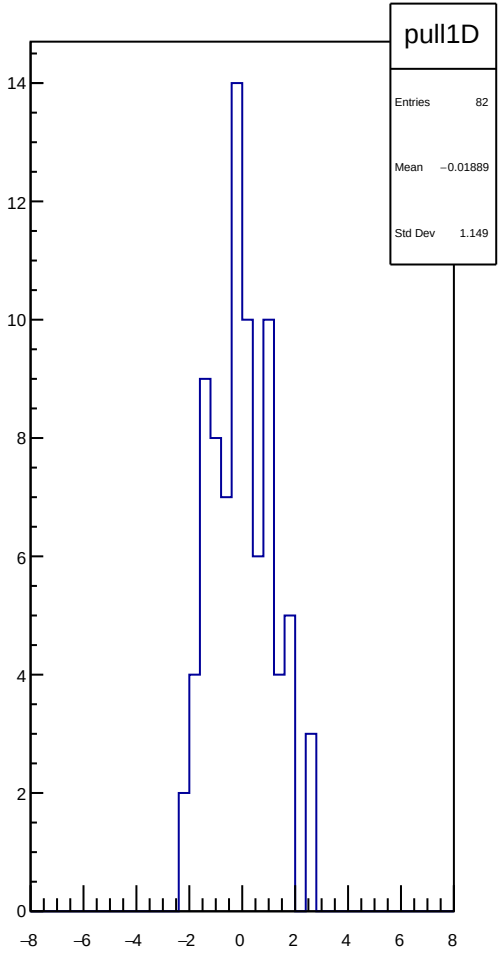

overload_cor_asym_usl_rms vs run
χ² / ndf 151.1 / 81
p0 1080 ± 0.8581
1140
1120
1100
1080
1060

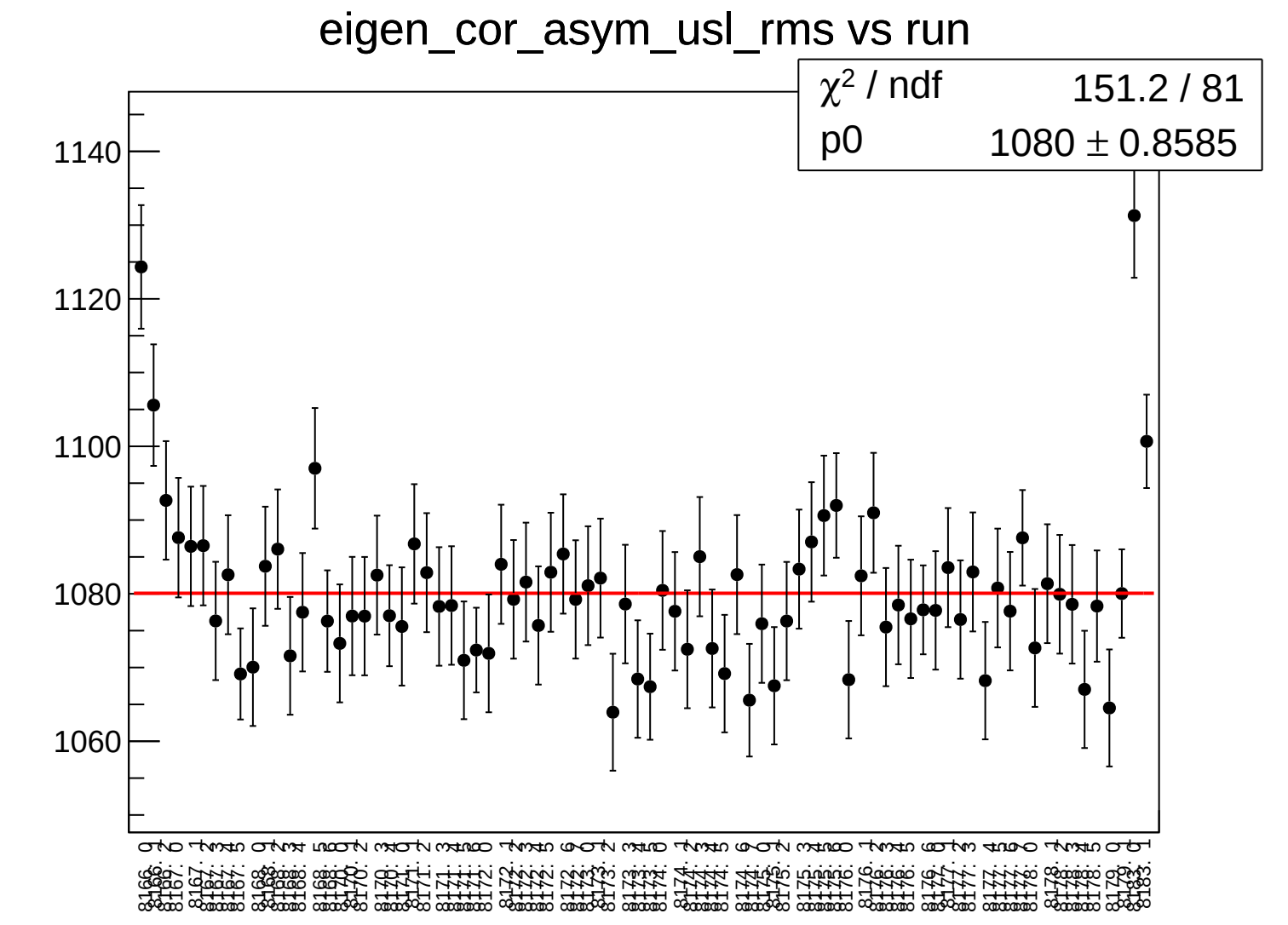

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 96.83 / 81
p0 −1553 ± 816.8
pull
Entries 82
Mean −89.89
Std Dev 0

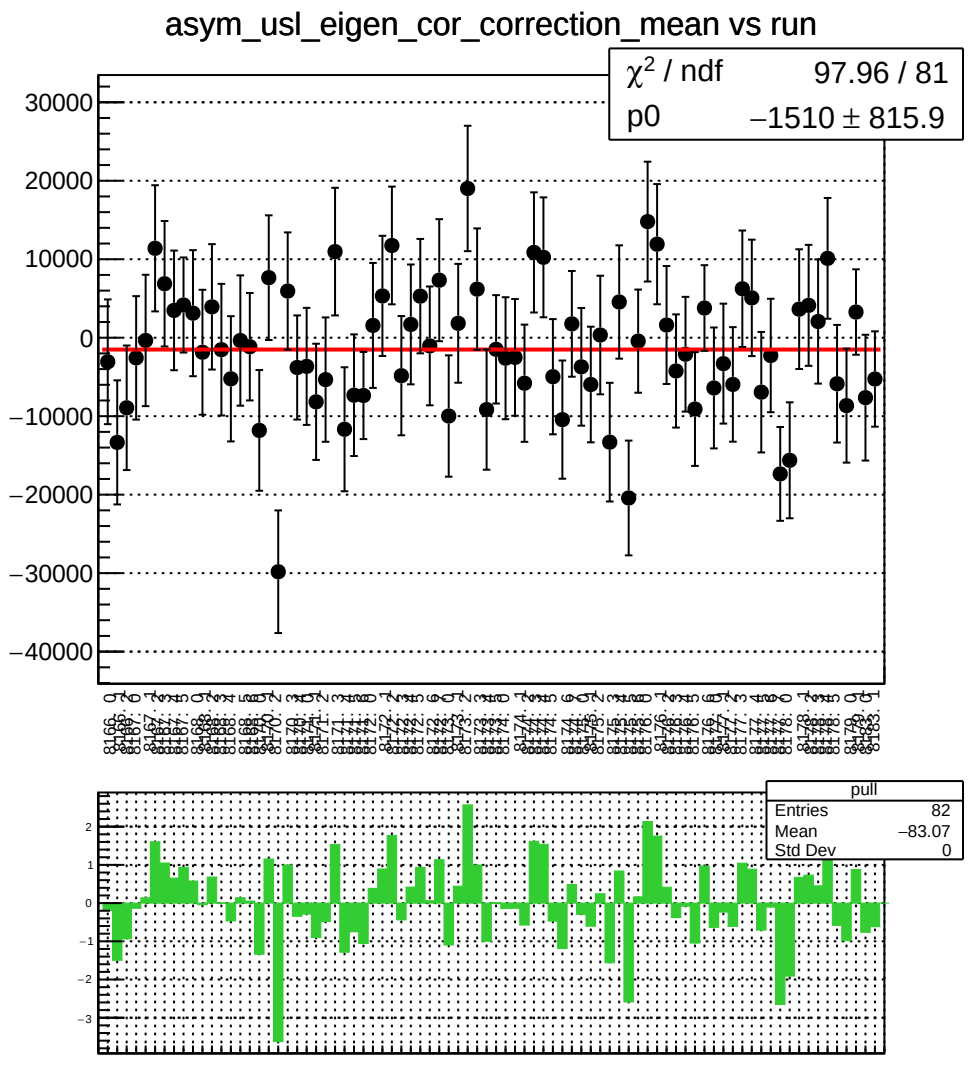

pull1D
Entries 82
Mean 0.008964
Std Dev 1.087

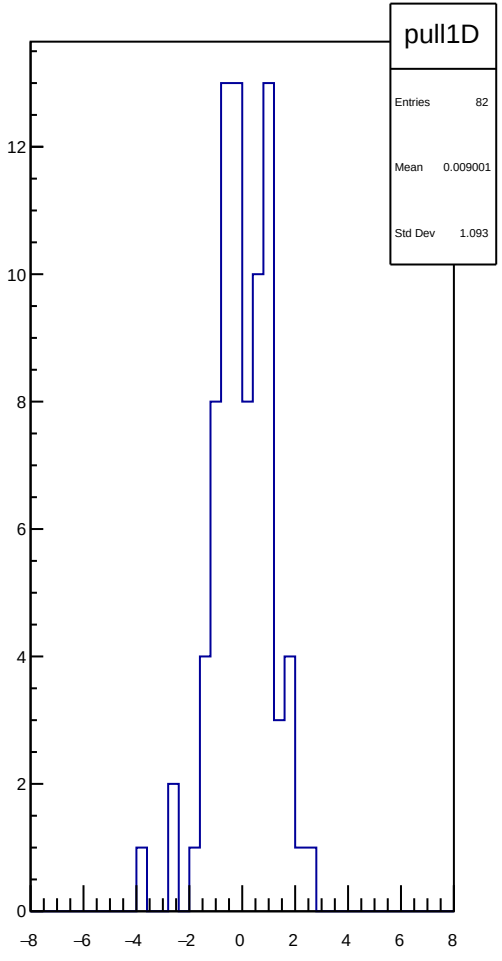

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2109 / 81
p0 726.2 ± 0.5775
800
780
760
740
720
700
680
660

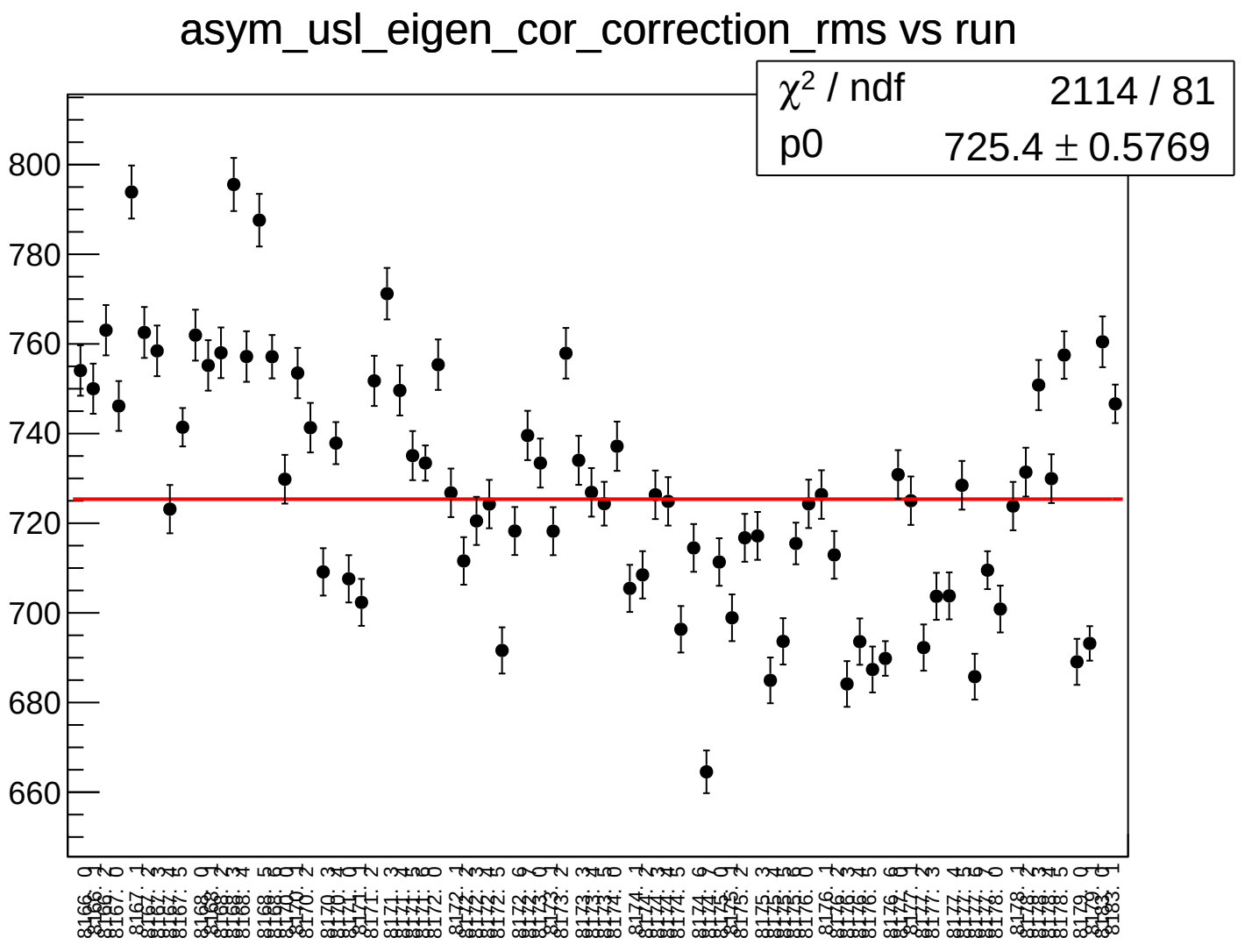

eigen_cor_asym_usl_mean vs run
χ² / ndf 108.3 / 81
p0 3367 ± 1214
pull
Entries 82
Mean 72.42
Std Dev 14.37

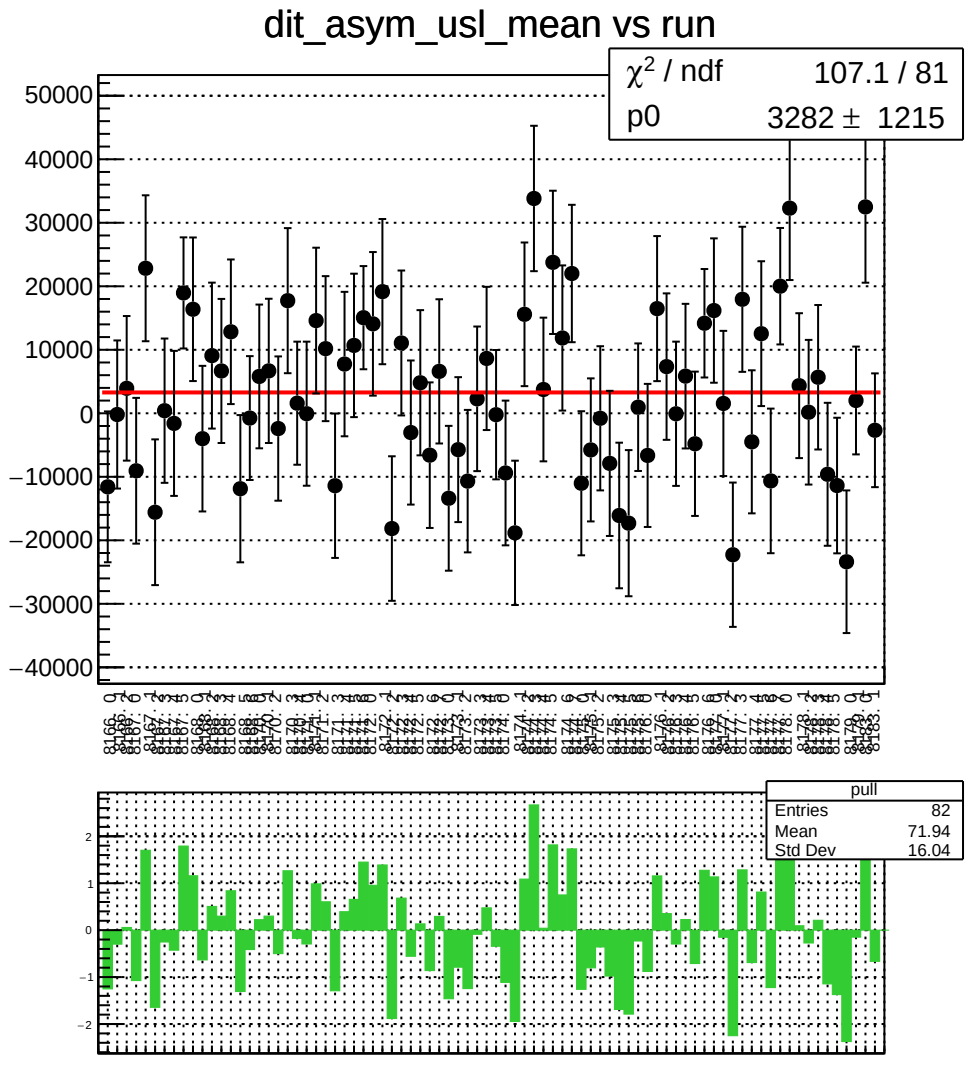

pull1D
Entries 82
Mean −0.01889
Std Dev 1.149

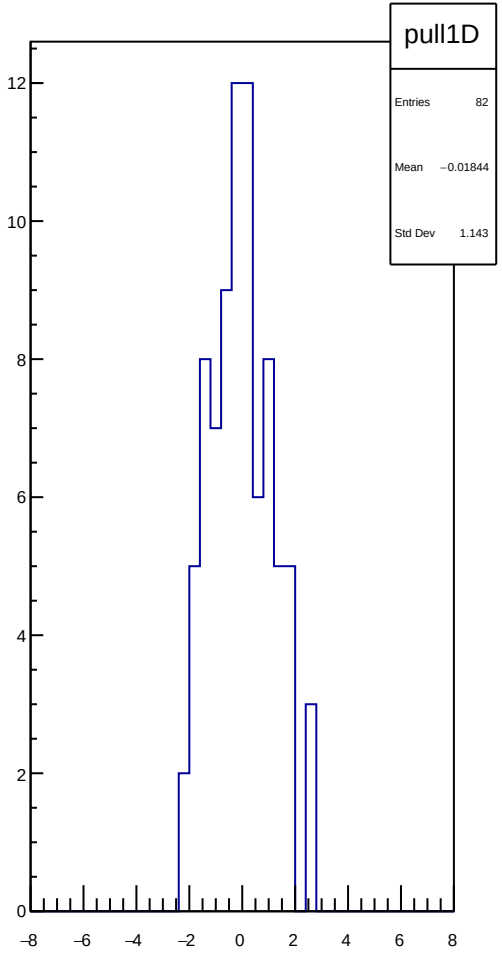

eigen_cor_asym_usl_rms vs run
χ² / ndf 151.2 / 81
p0 1080 ± 0.8585
1140
1120
1100
1080
1060

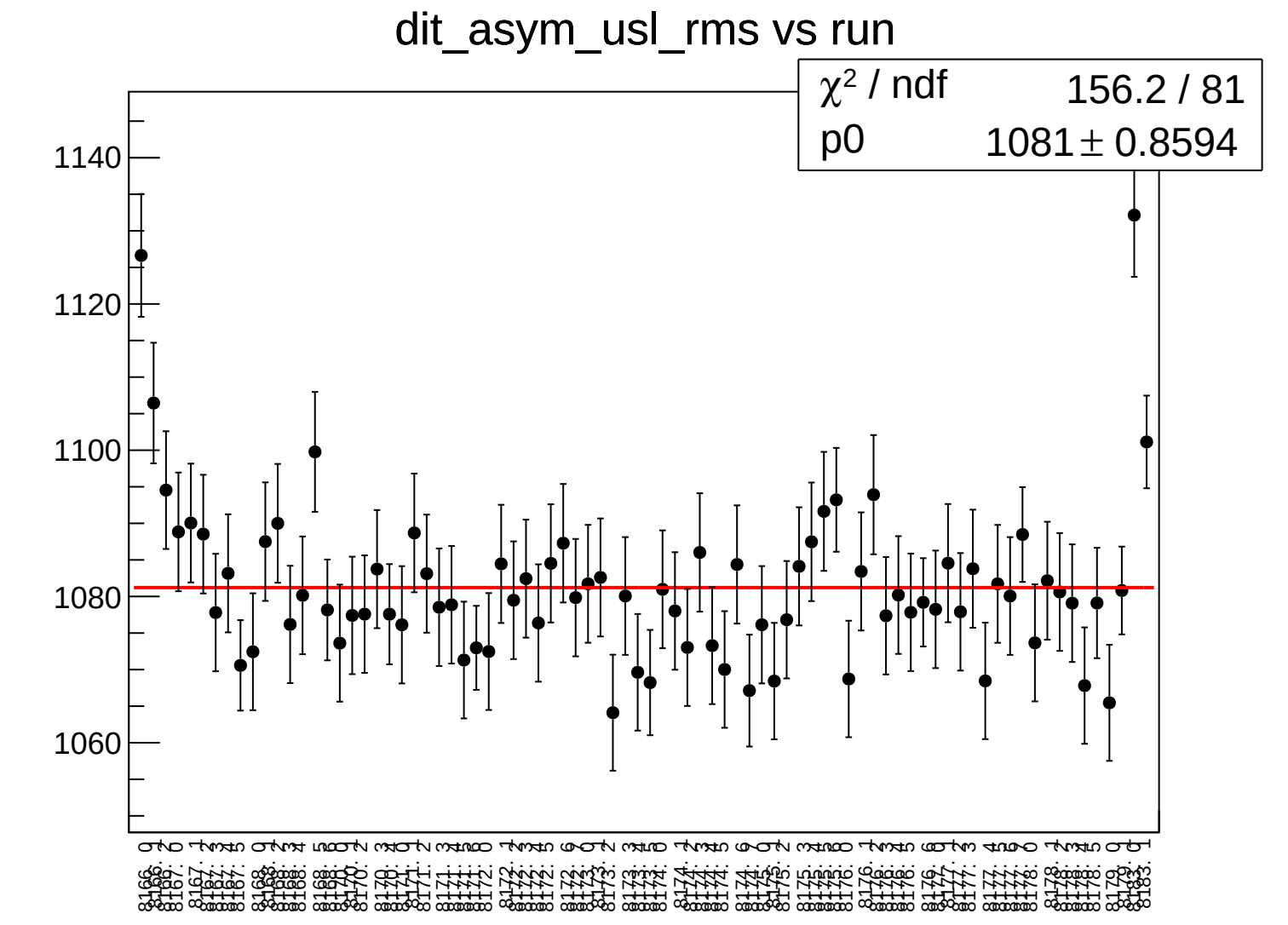

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 97.96 / 81
p0 −1510 ± 815.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −83.07
Std Dev 0
2
1
0
−1
−2
−3

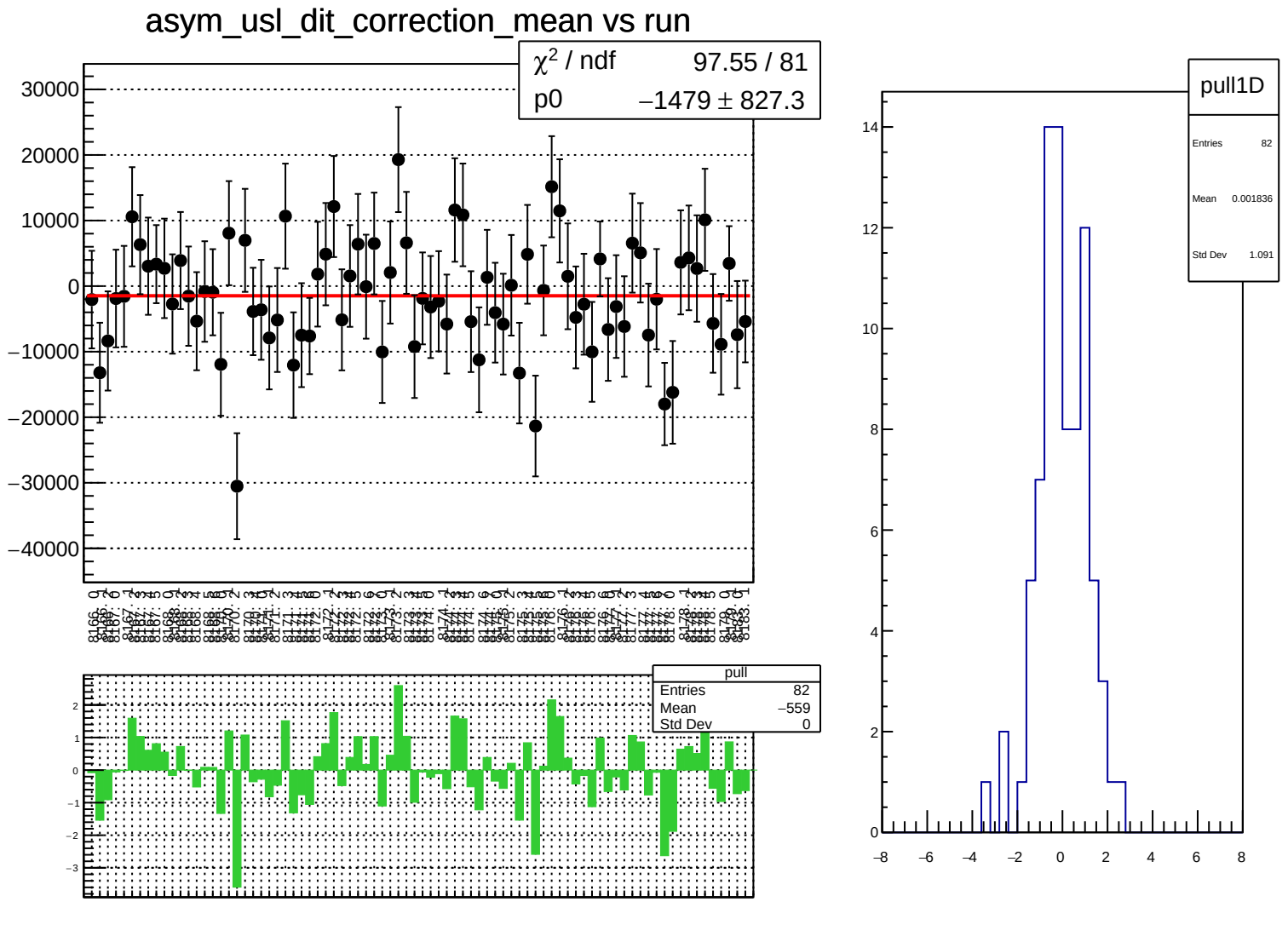

pull1D
Entries 82
Mean 0.009001
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

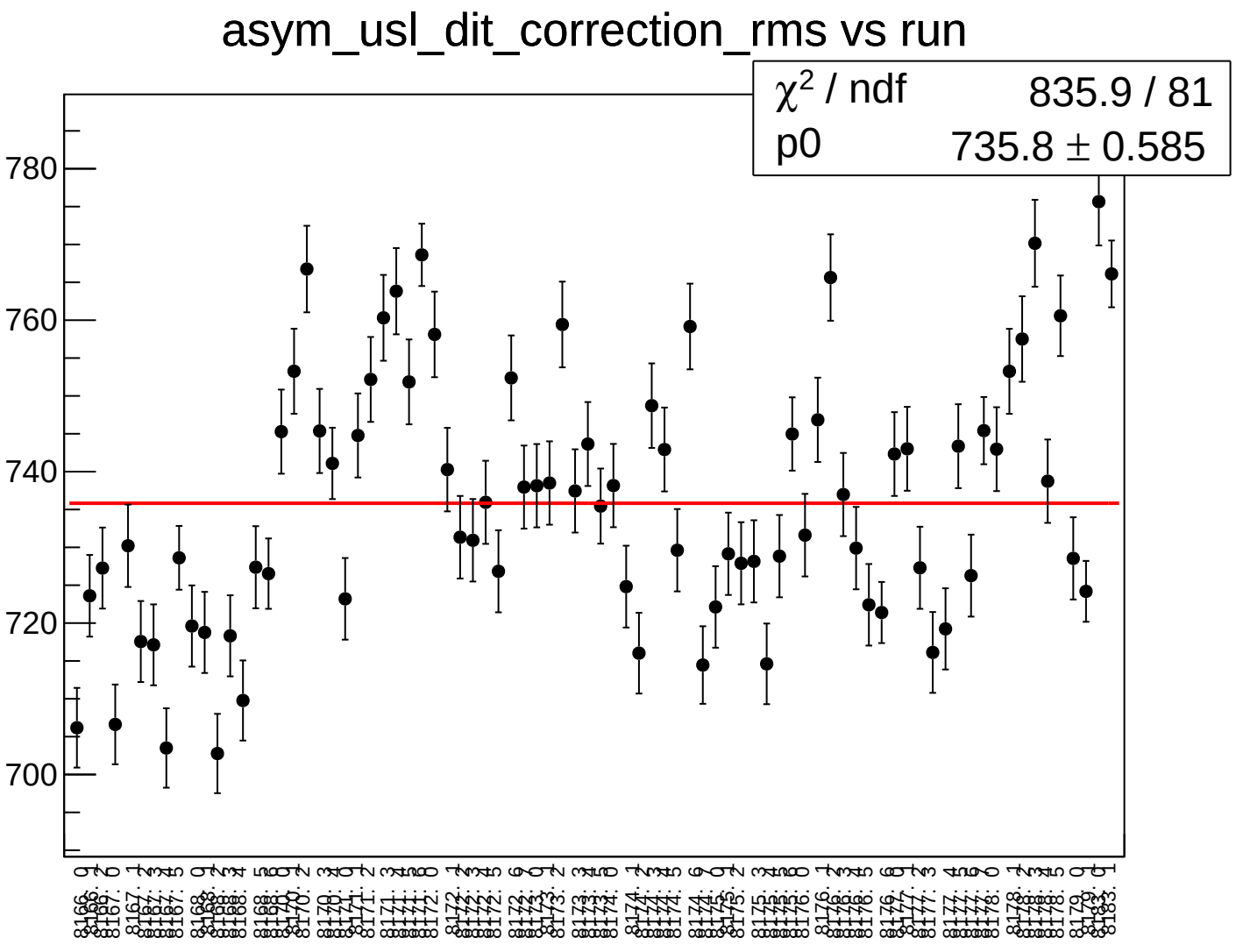

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2114 / 81
p0 725.4 ± 0.5769
800
780
760
740
720
700
680
660

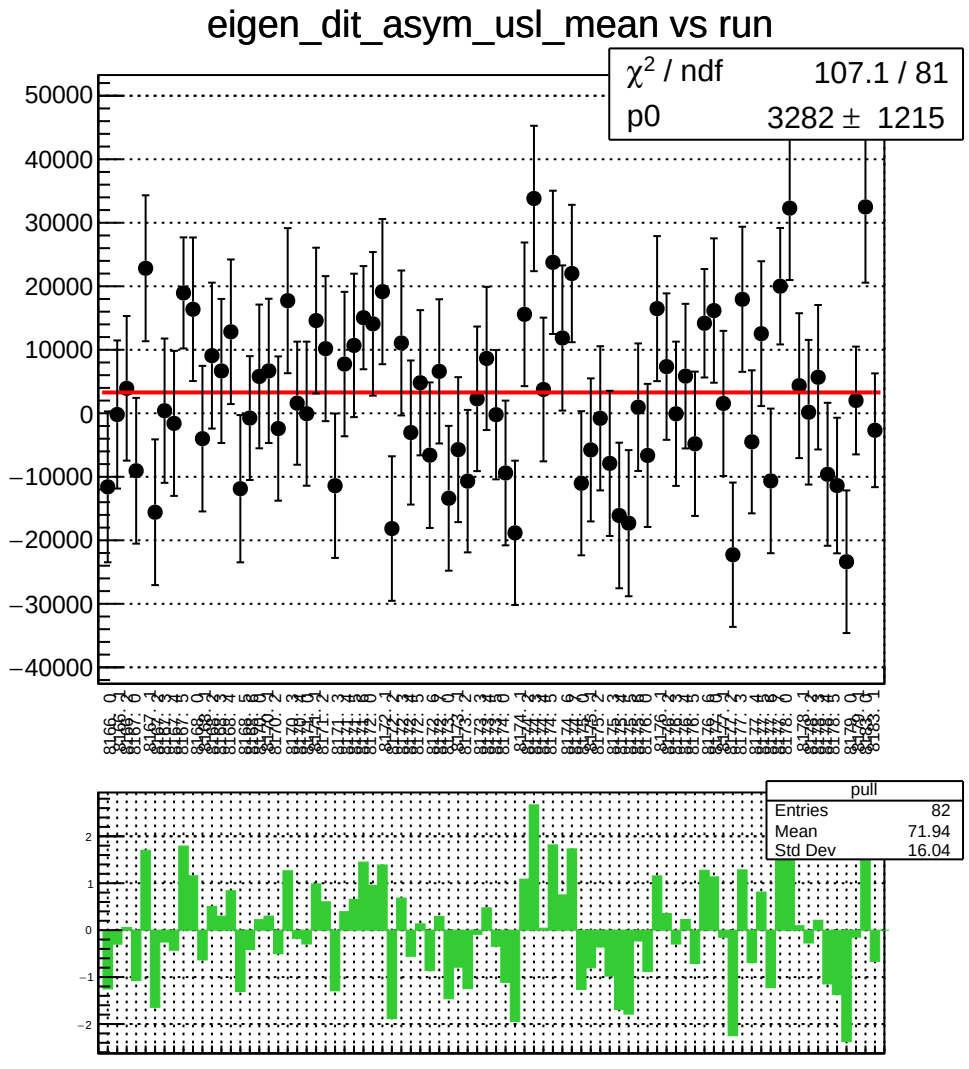

dit_asym_usl_mean vs run
χ² / ndf 107.1 / 81
p0 3282 ± 1215
pull
Entries 82
Mean 71.94
Std Dev 16.04

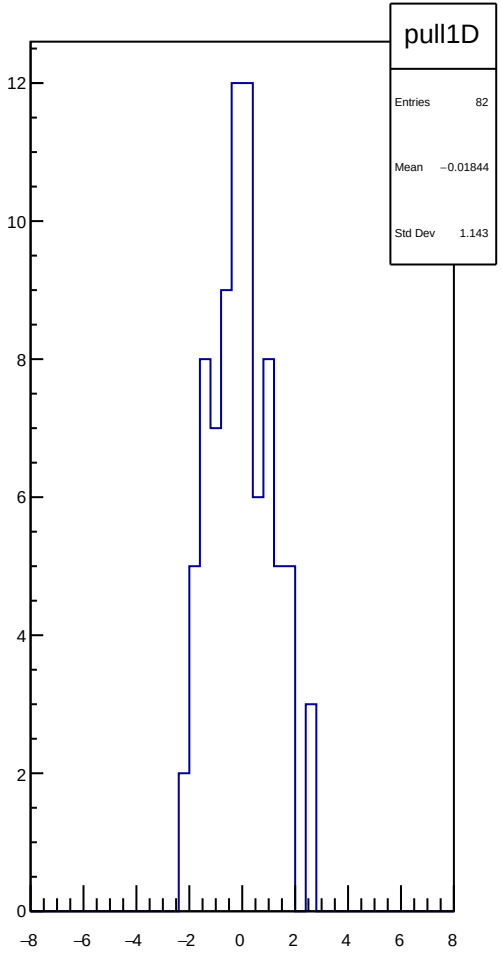

pull1D
Entries 82
Mean −0.01844
Std Dev 1.143

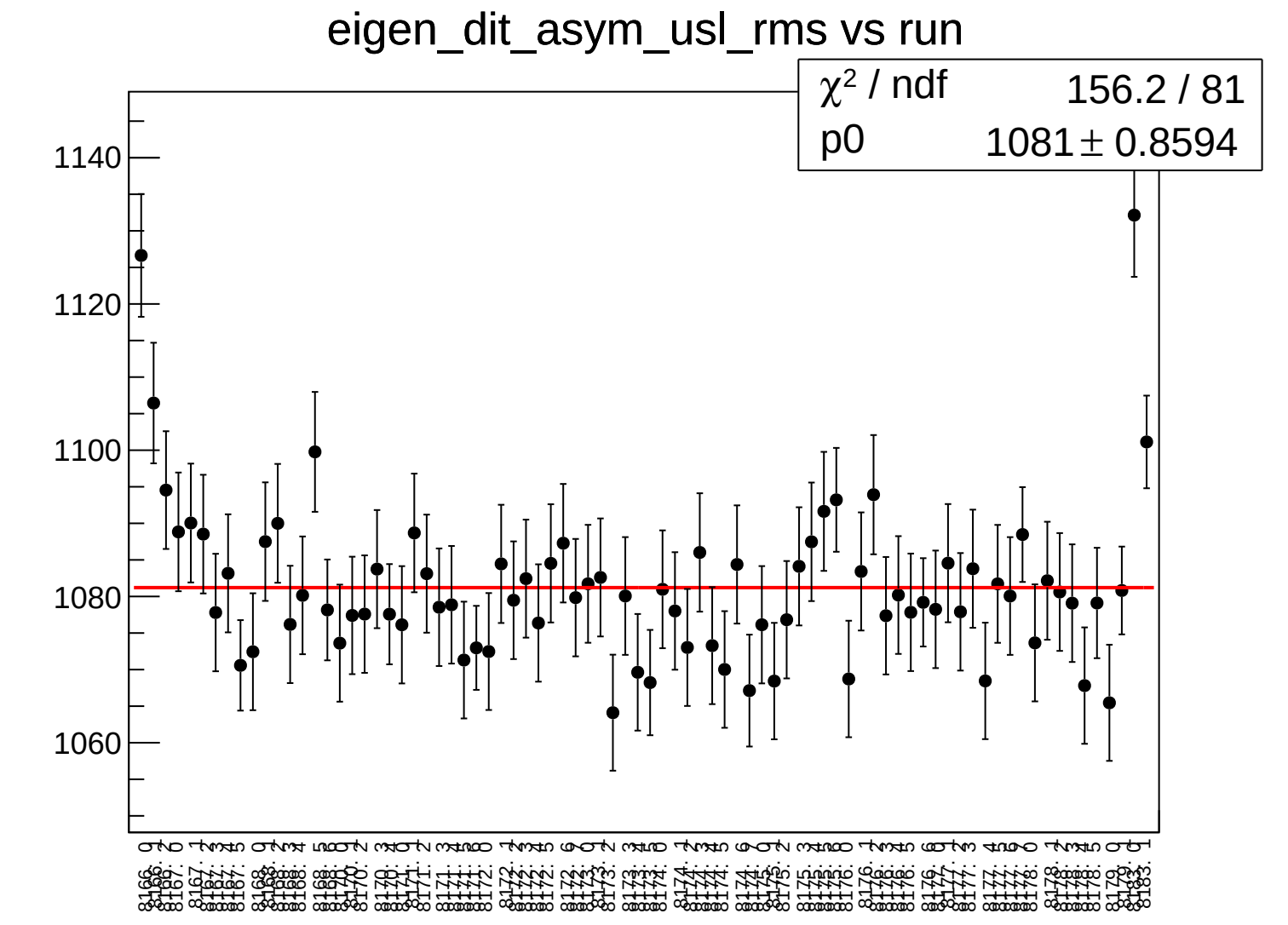

dit_asym_usl_rms vs run
χ² / ndf 156.2 / 81
p0 1081 ± 0.8594
1140
1120
1100
1080
1060

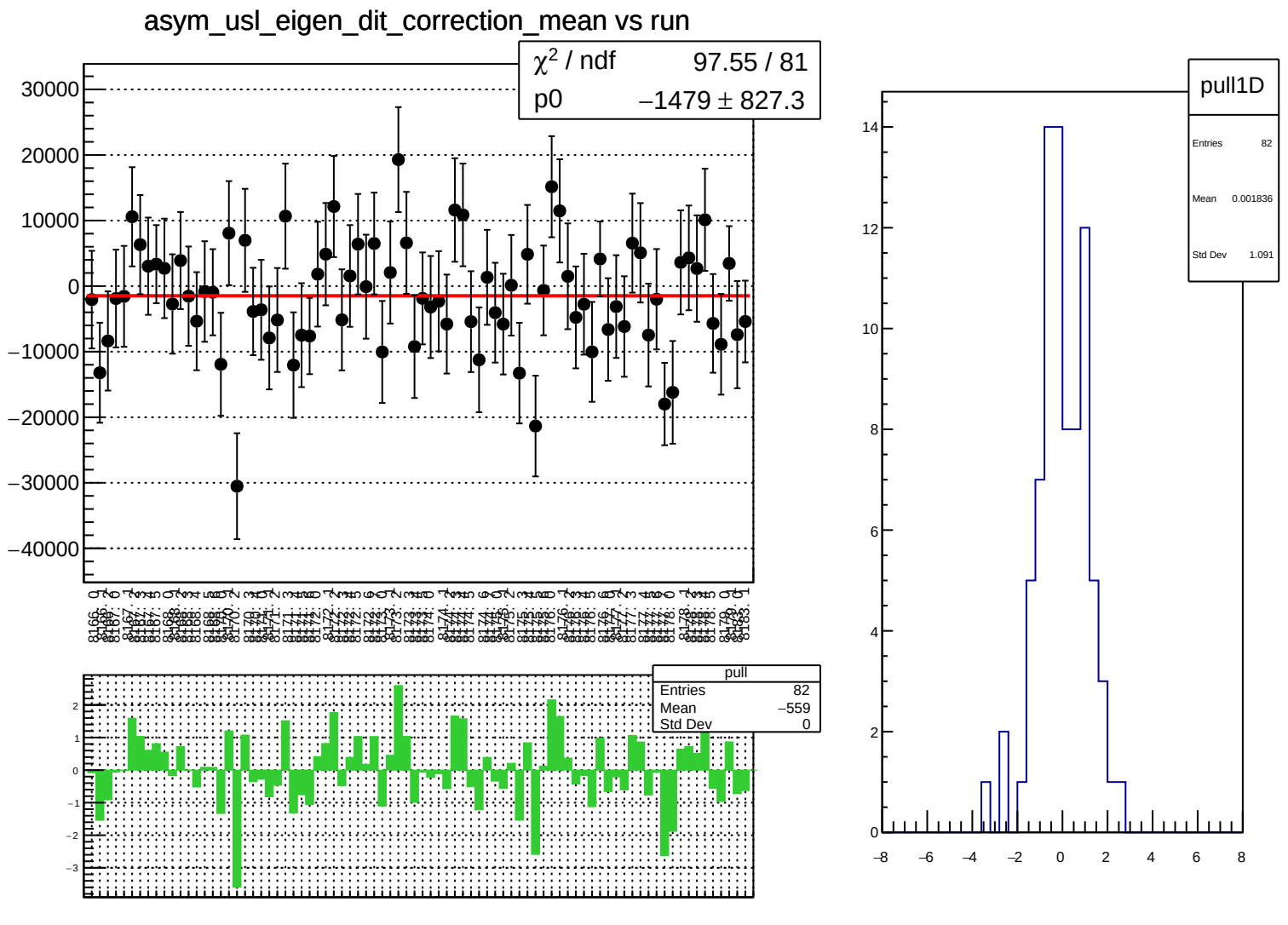

asym_usl_dit_correction_mean vs run
χ² / ndf 97.55 / 81
p0 −1479 ± 827.3
pull
Entries 82
Mean −559
Std Dev 0
pull1D
Entries 82
Mean 0.001836
Std Dev 1.091

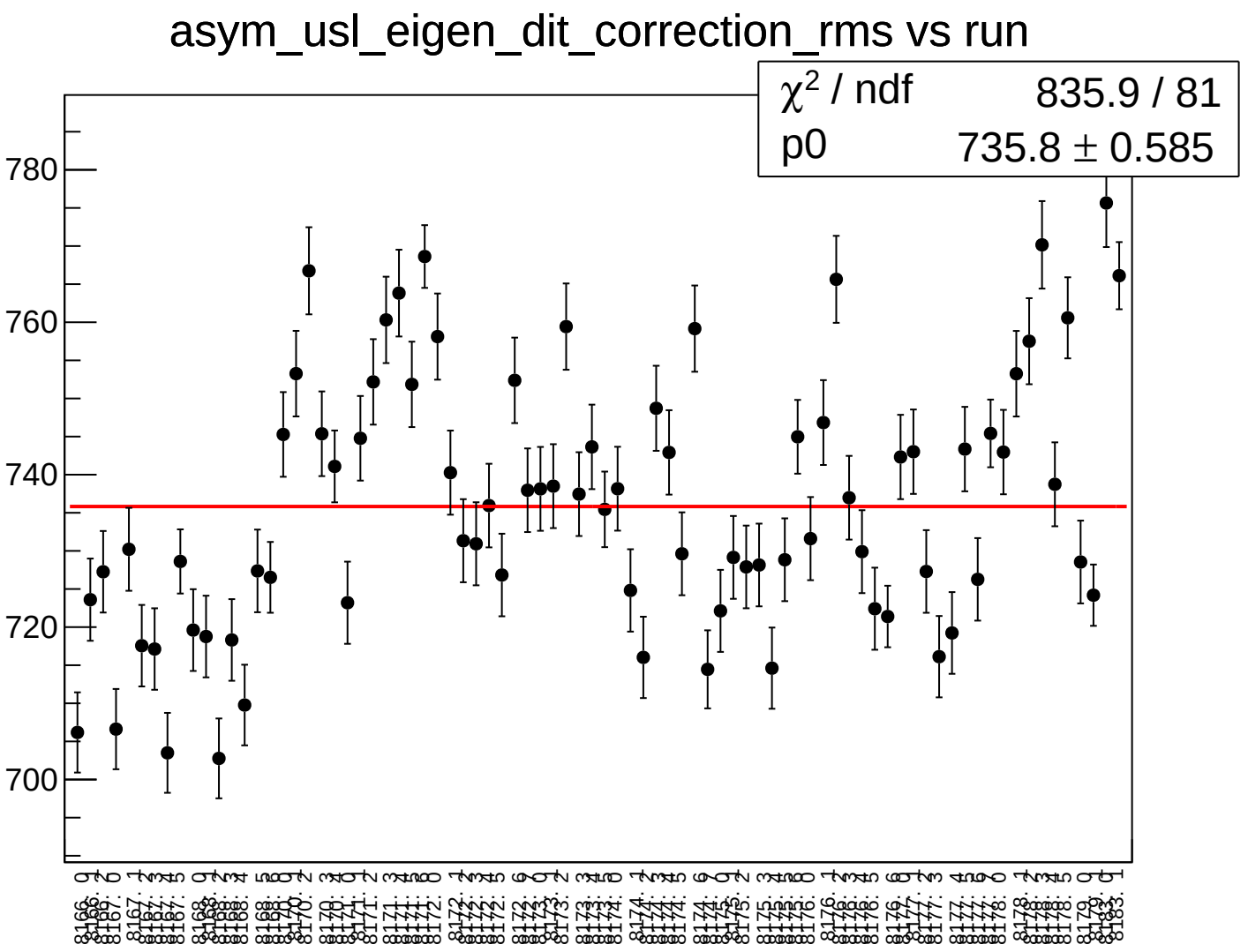

asym_usl_dit_correction_rms vs run
χ^2 / ndf 835.9 / 81
p0 735.8 ± 0.585
780
760
740
720
700

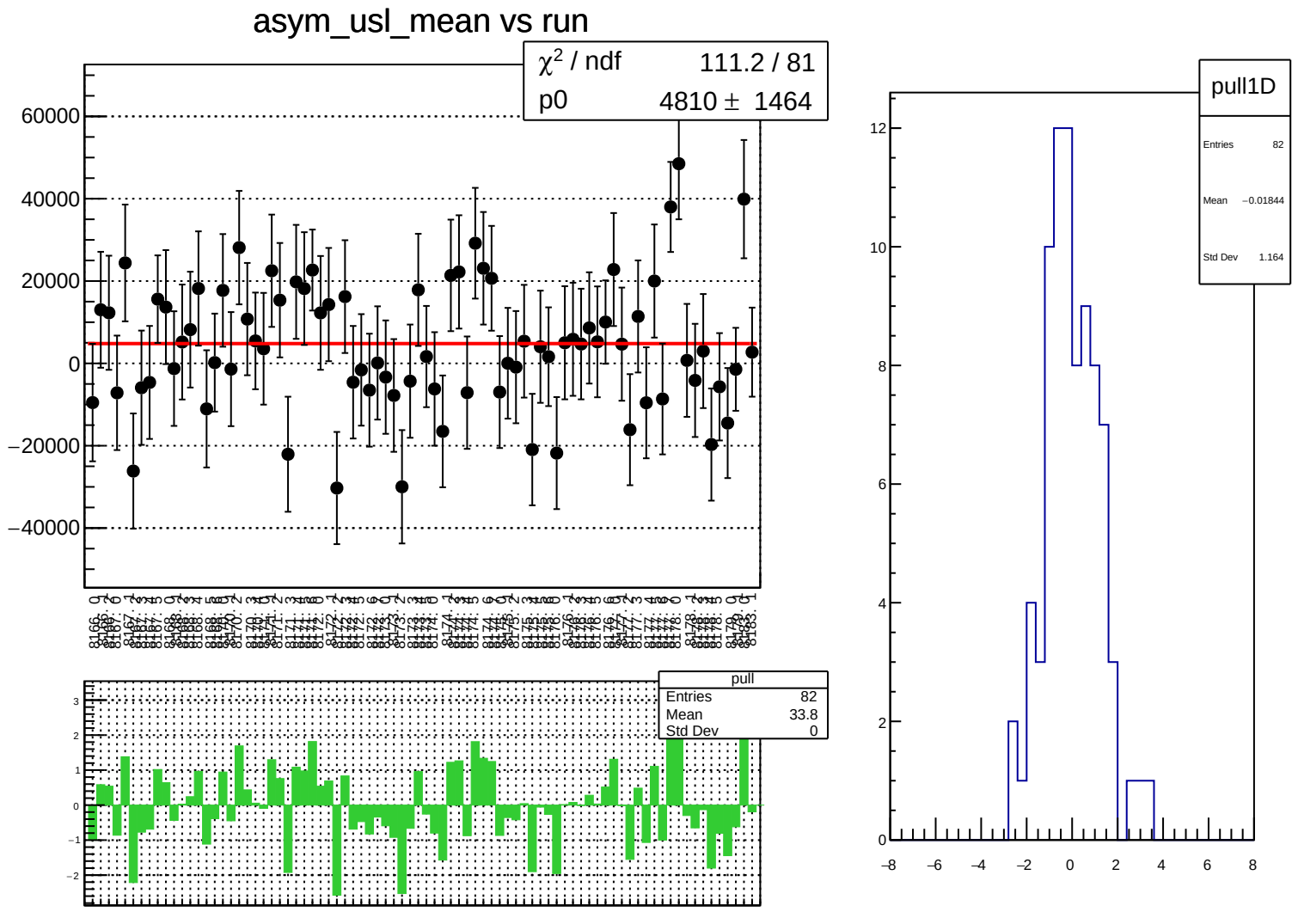

eigen_dit_asym_usl_mean vs run
χ² / ndf 107.1 / 81
p0 3282 ± 1215
pull
Entries 82
Mean 71.94
Std Dev 16.04

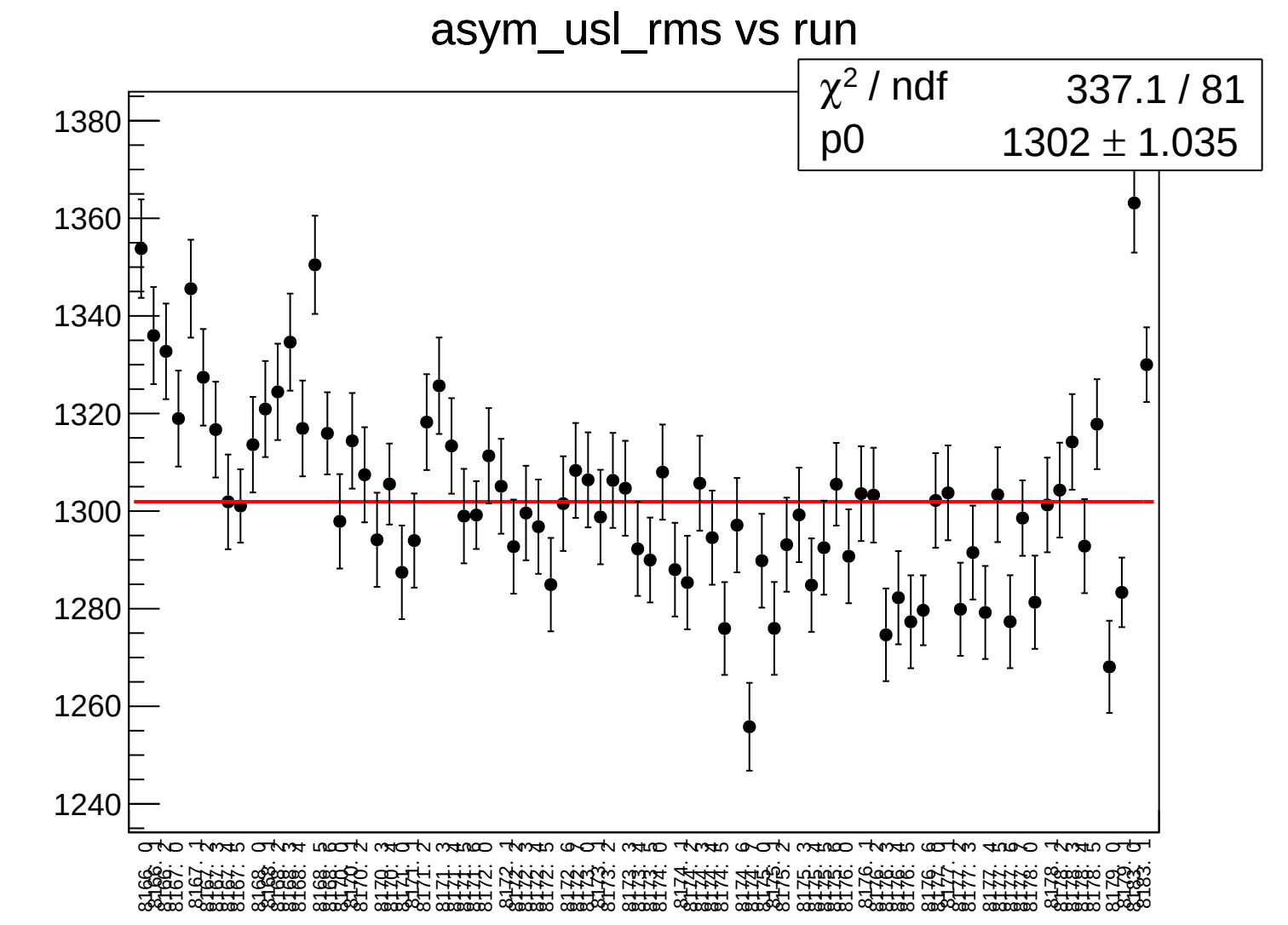

pull1D
Entries 82
Mean −0.01844
Std Dev 1.143

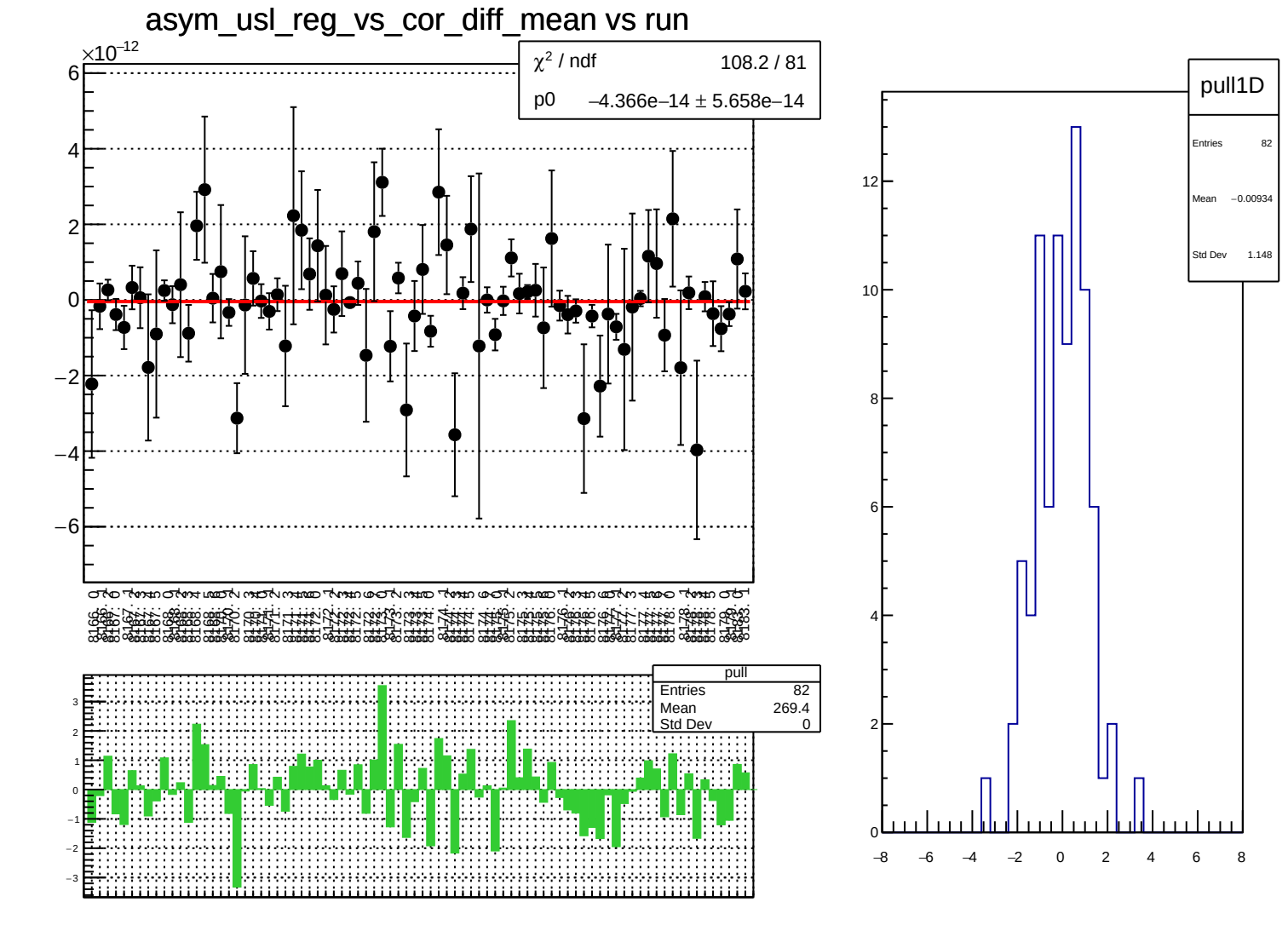

eigen_dit_asym_usl_rms vs run
χ² / ndf 156.2 / 81
p0 1081 ± 0.8594
1140
1120
1100
1080
1060

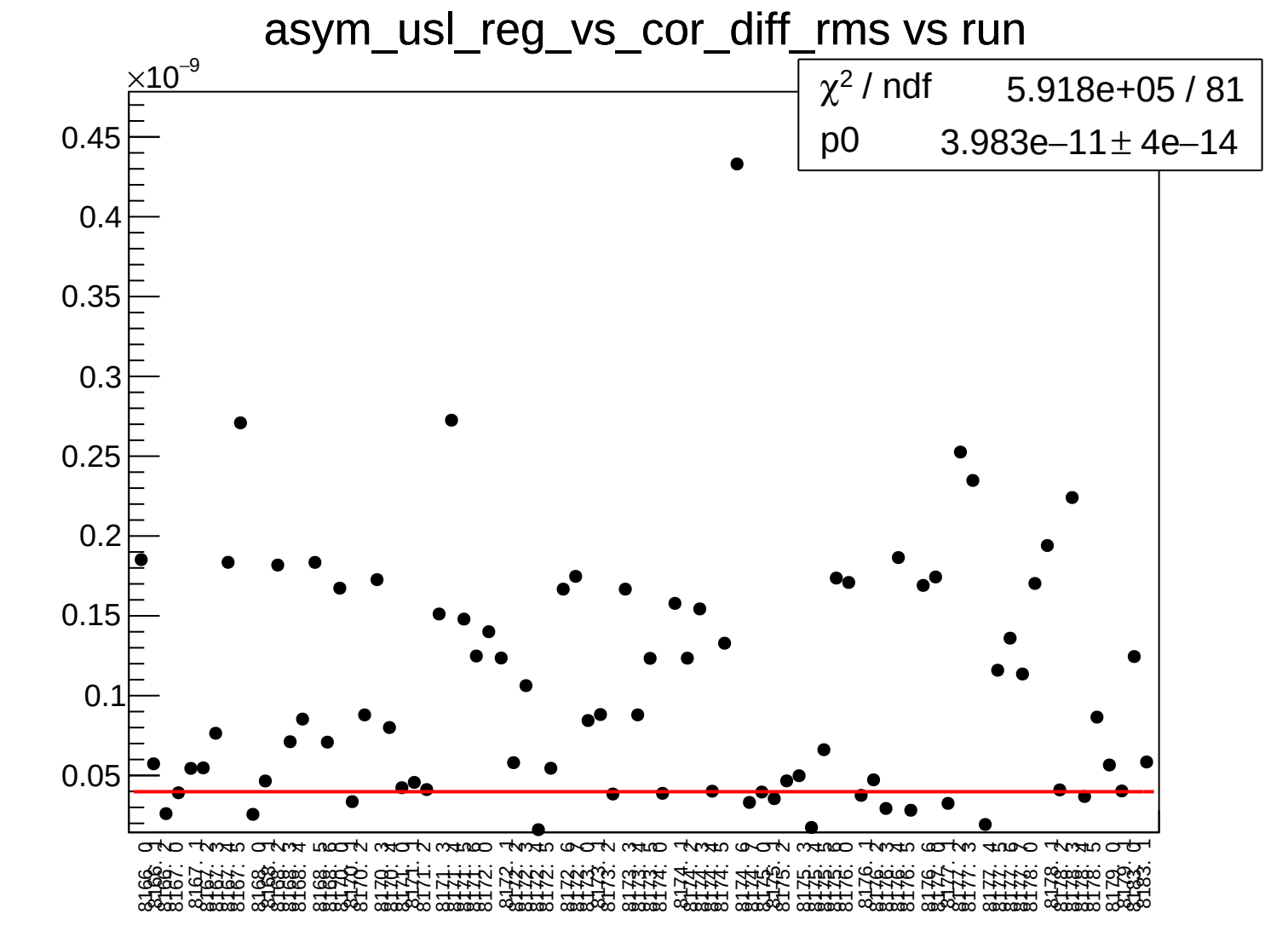

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 97.55 / 81
p0 −1479 ± 827.3
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −559
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.001836
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

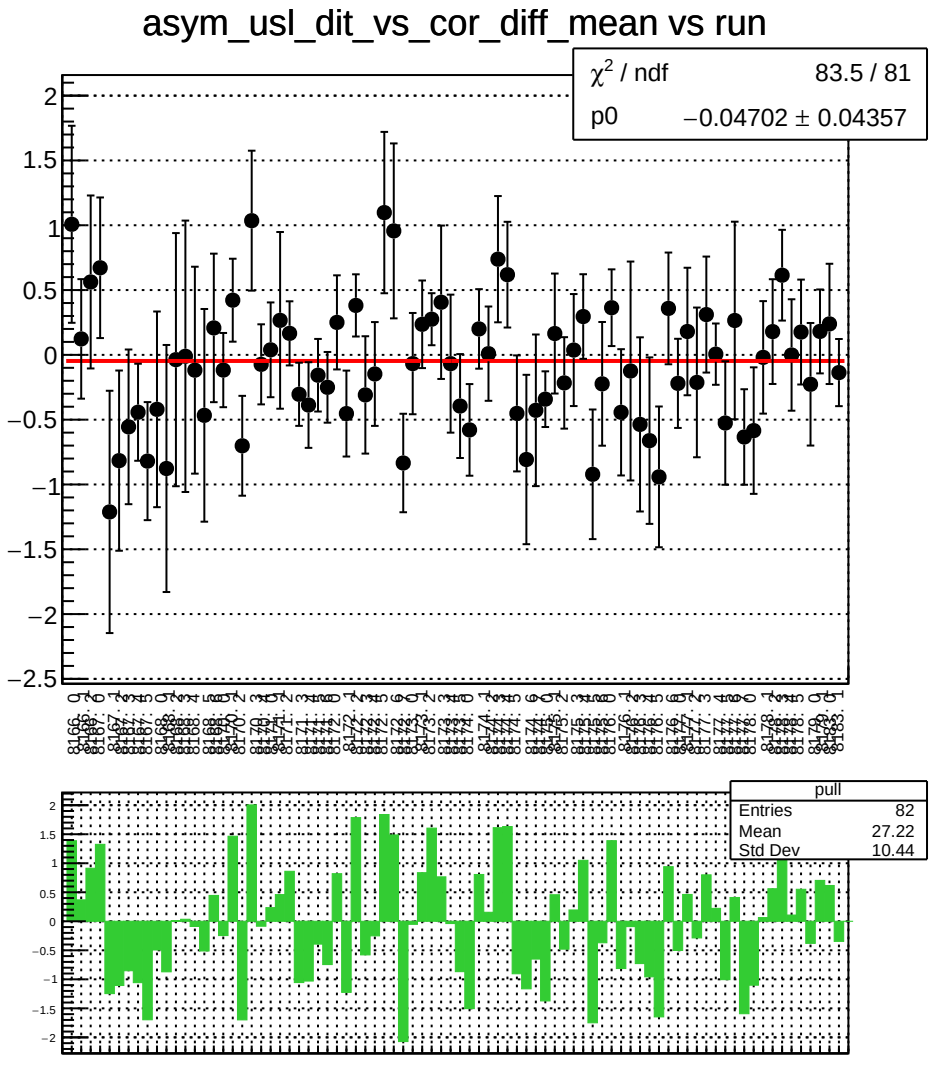

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 835.9 / 81
p0 735.8 ± 0.585
780
760
740
720
700

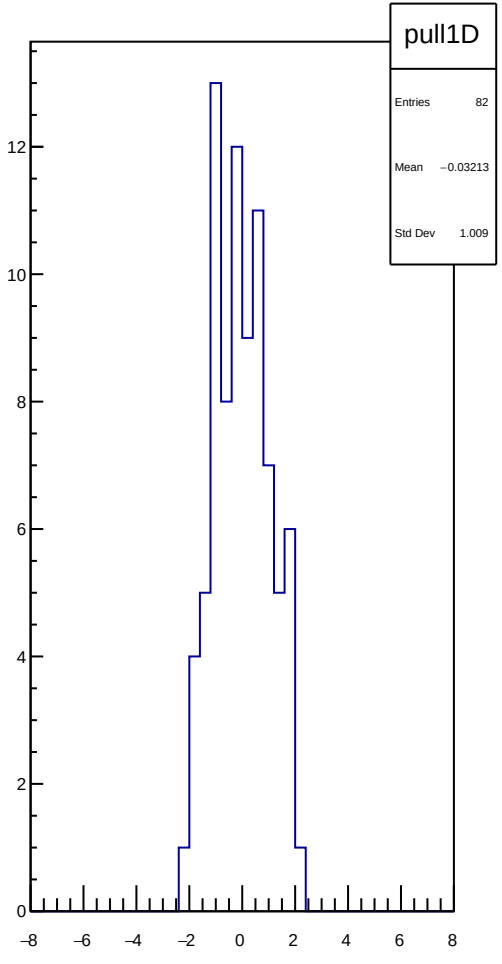

asym_usl_mean vs run
χ² / ndf 111.2 / 81
p0 4810 ± 1464
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 33.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.01844
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

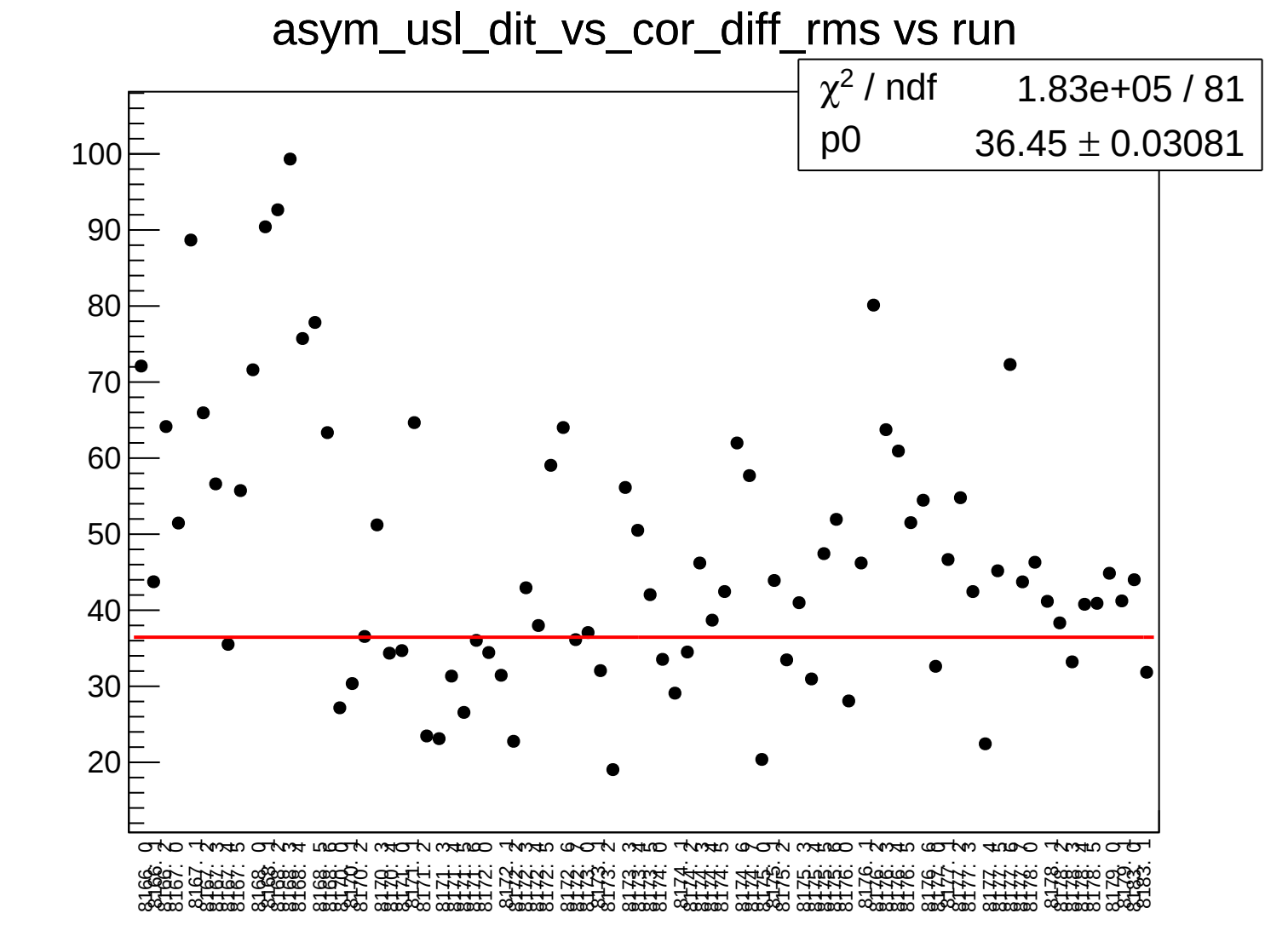

asym_usl_rms vs run
χ² / ndf 337.1 / 81
p0 1302 ± 1.035
1380
1360
1340
1320
1300
1280
1260
1240

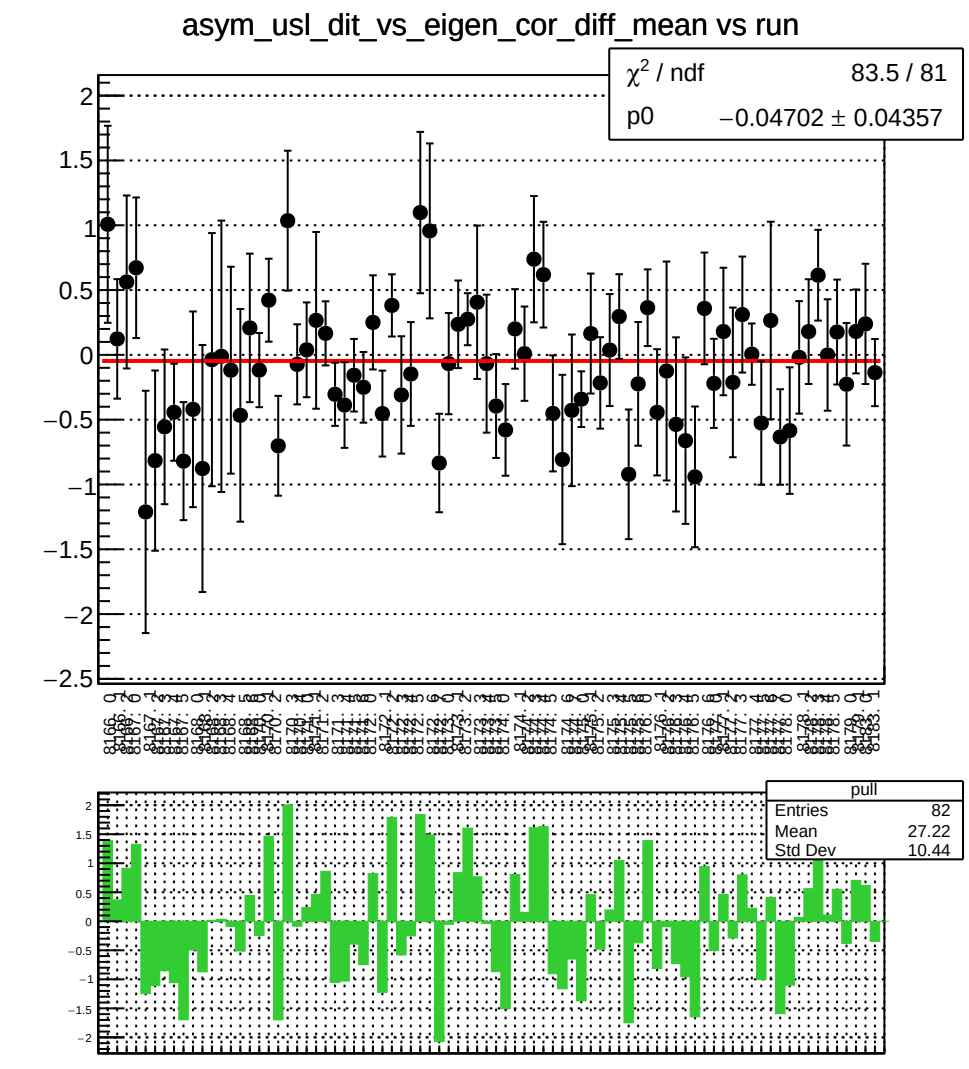

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 108.2 / 81
p0 −4.366e−14 ± 5.658e−14
pull
Entries 82
Mean 269.4
Std Dev 0
pull1D
Entries 82
Mean −0.00934
Std Dev 1.148

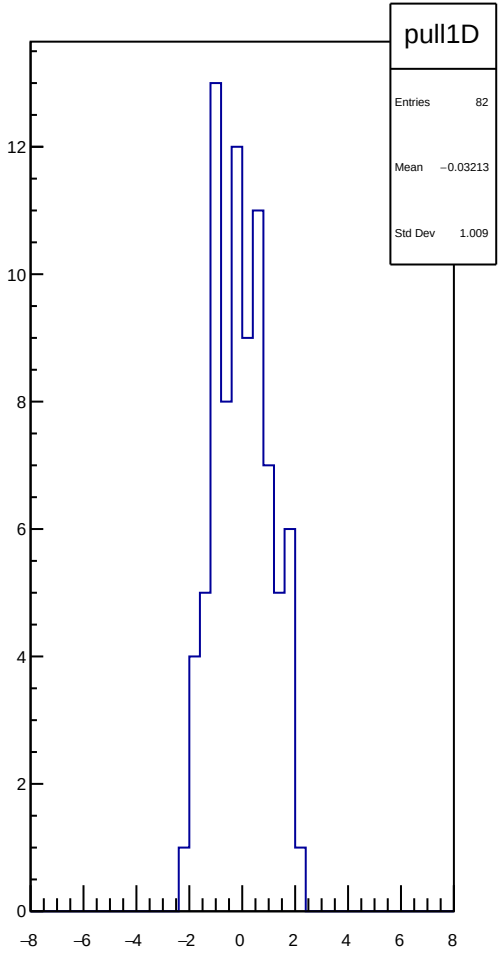

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.918e+05 / 81
p0 3.983e−11 ± 4e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

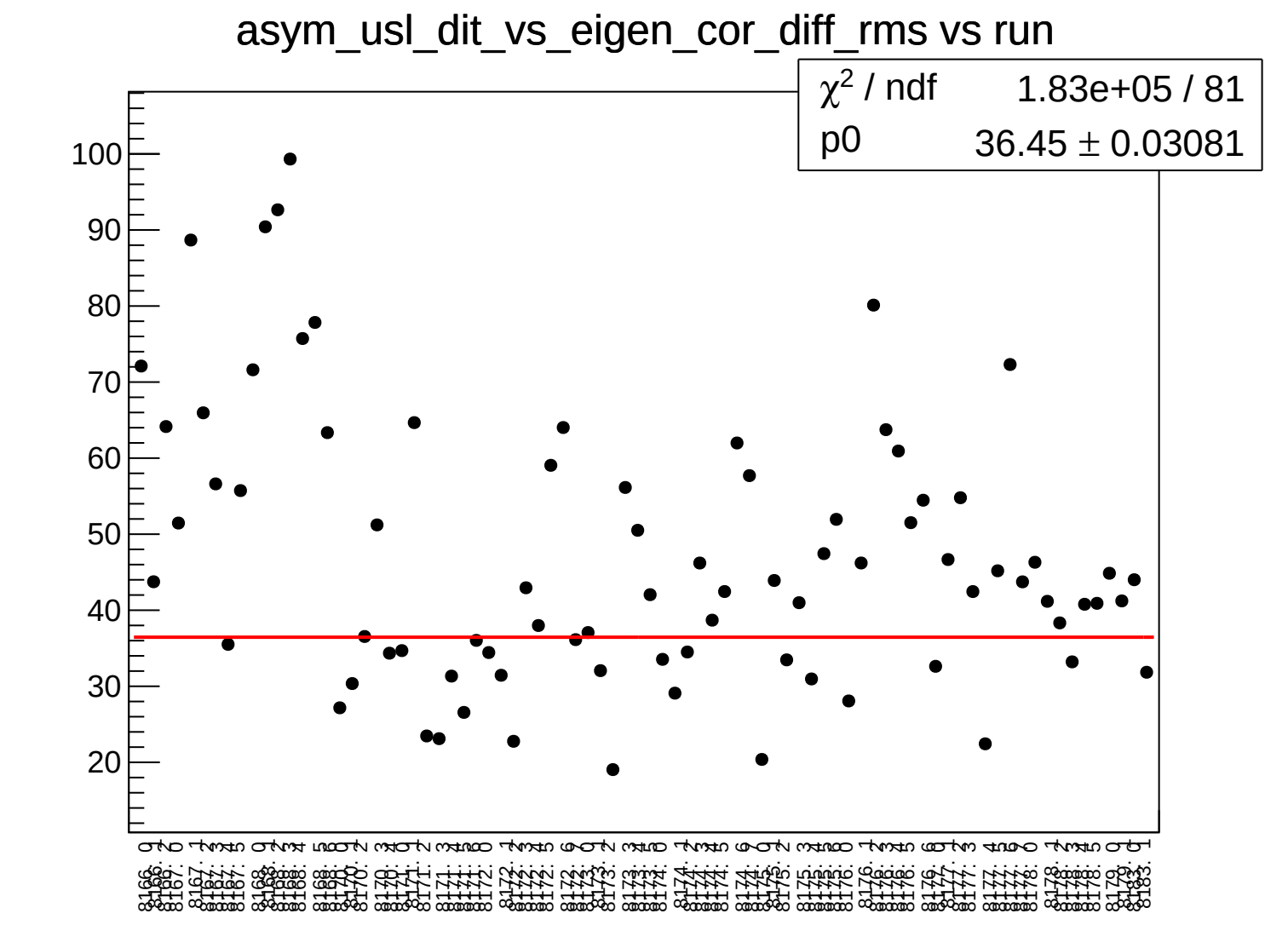

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 83.5 / 81
p0 −0.04702 ± 0.04357
pull
Entries 82
Mean 27.22
Std Dev 10.44

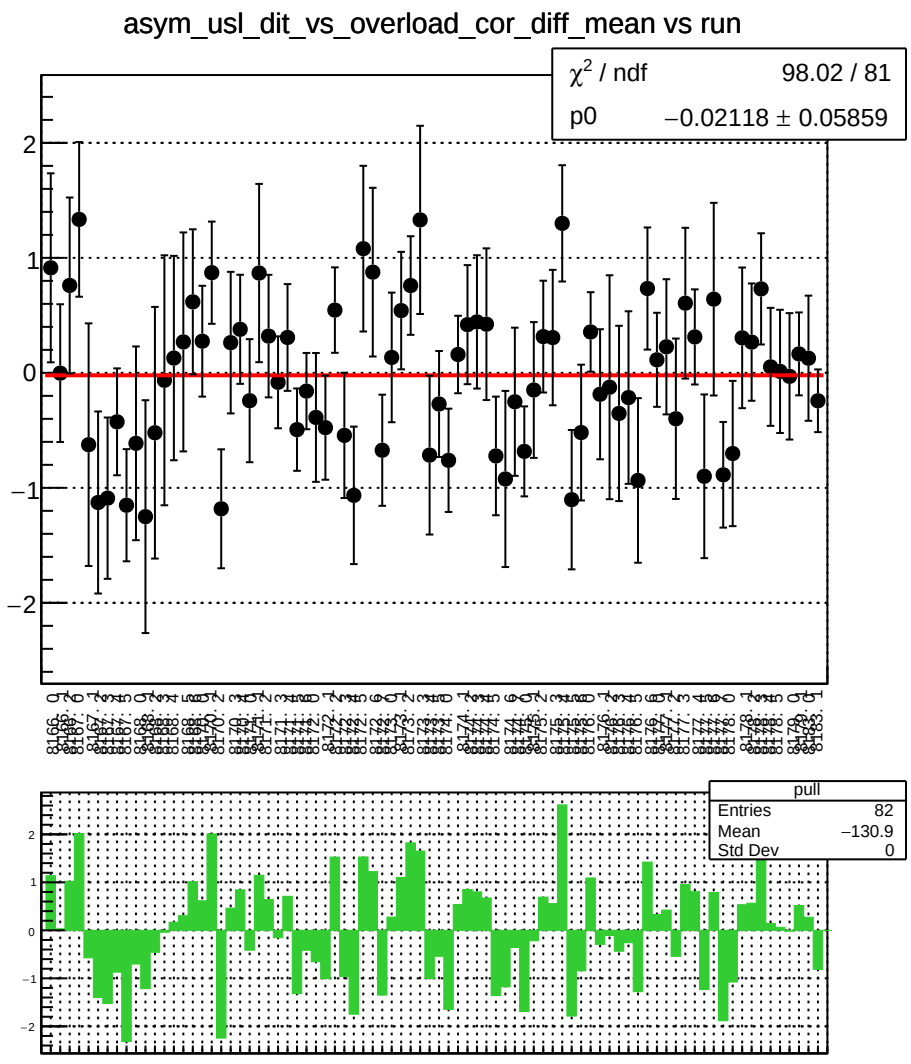

pull1D
Entries 82
Mean −0.03213
Std Dev 1.009

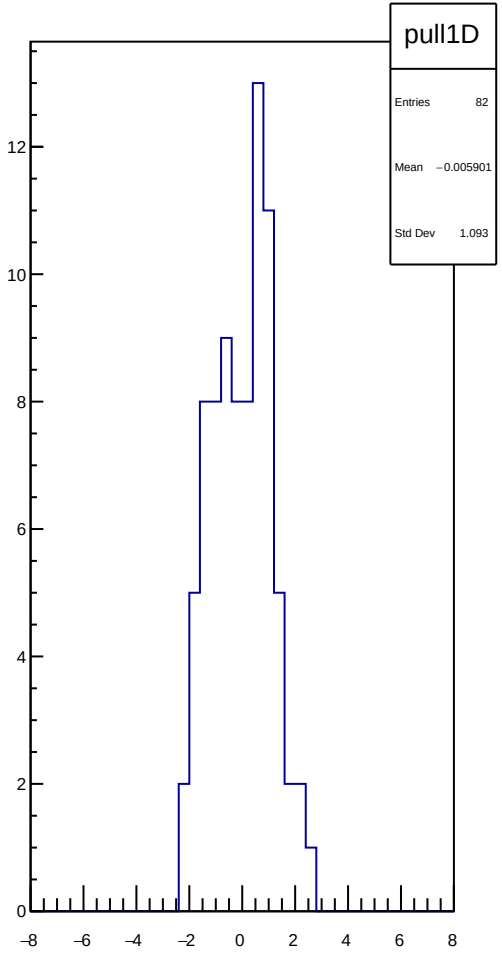

asym_usl_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.83e+05 / 81
p0 36.45 ± 0.03081
100
90
80
70
60
50
40
30
20

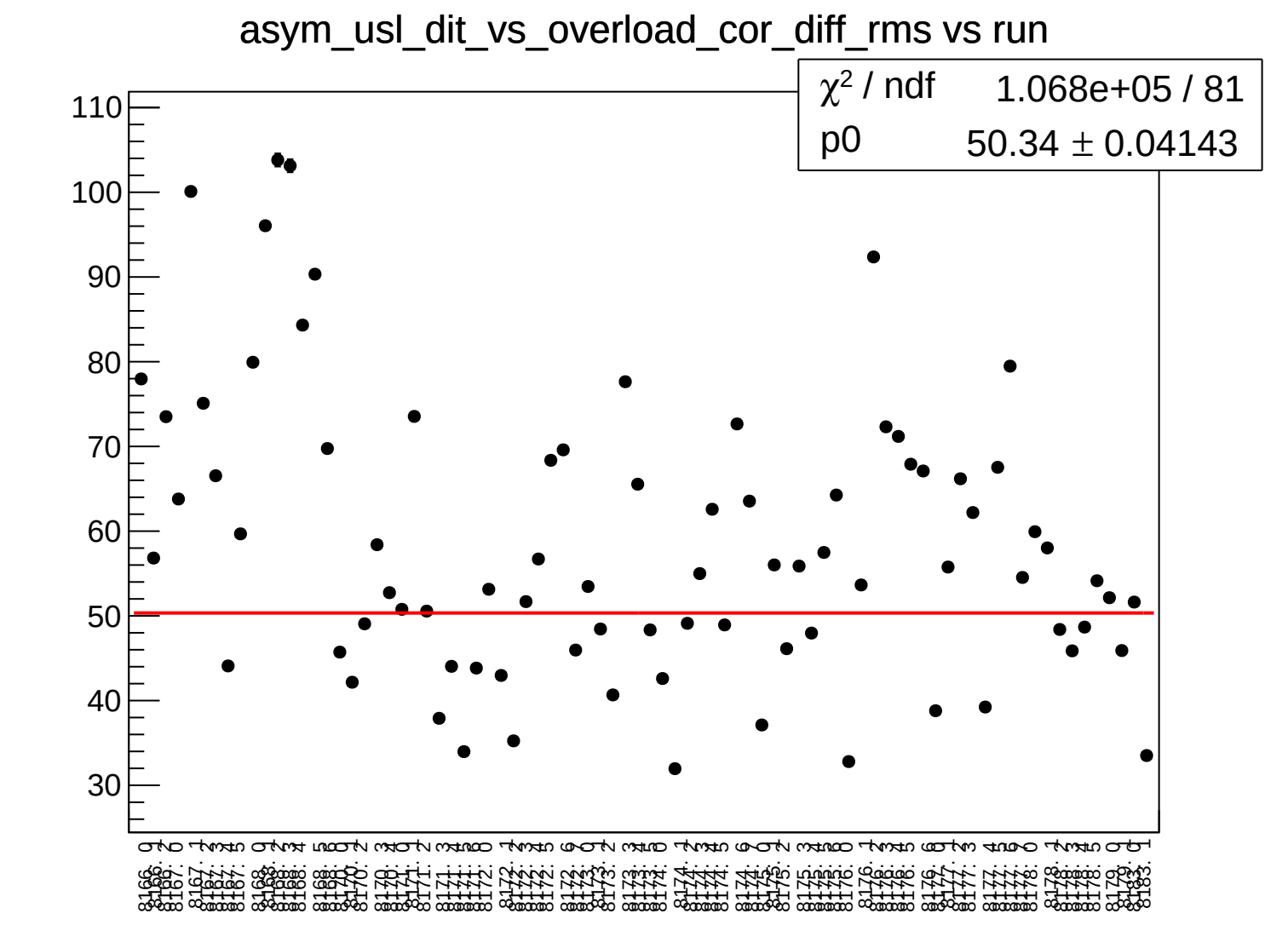

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.5 / 81
p0 −0.04702 ± 0.04357
pull
Entries 82
Mean 27.22
Std Dev 10.44

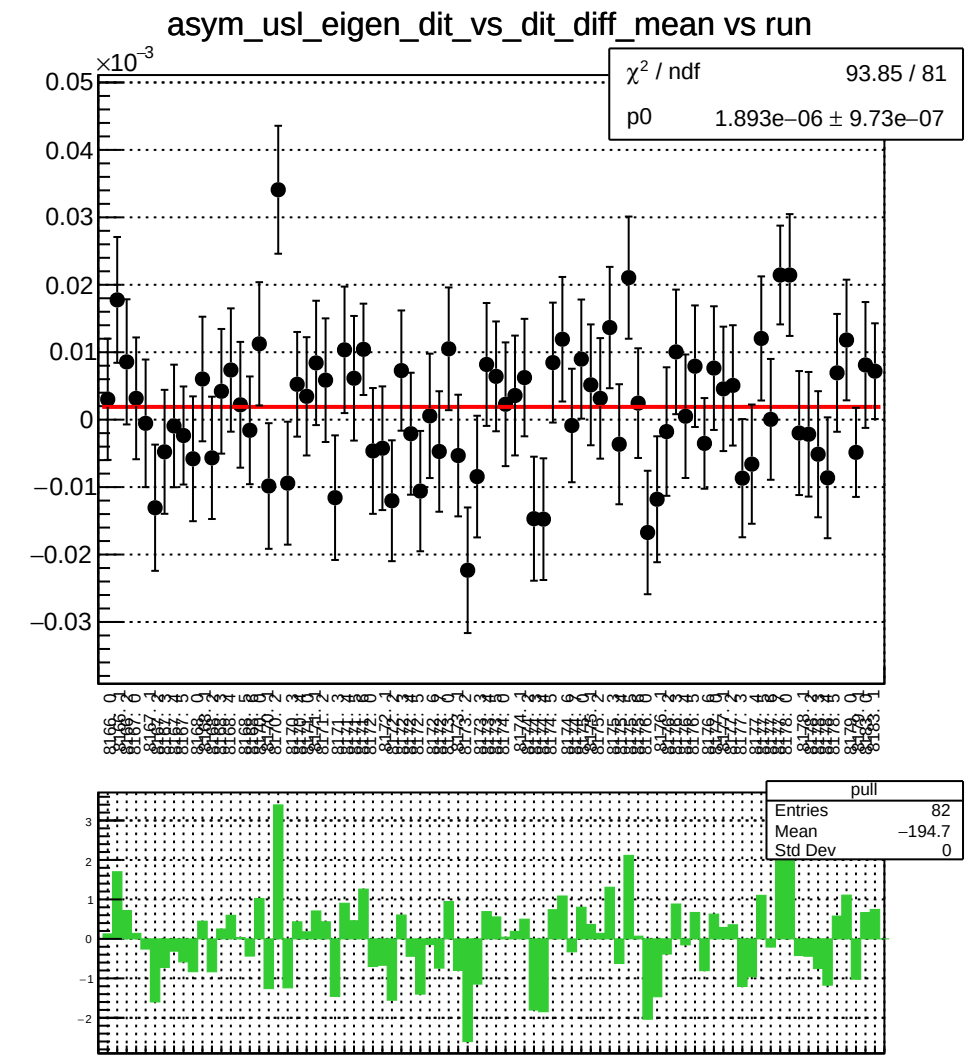

pull1D
Entries 82
Mean −0.03213
Std Dev 1.009

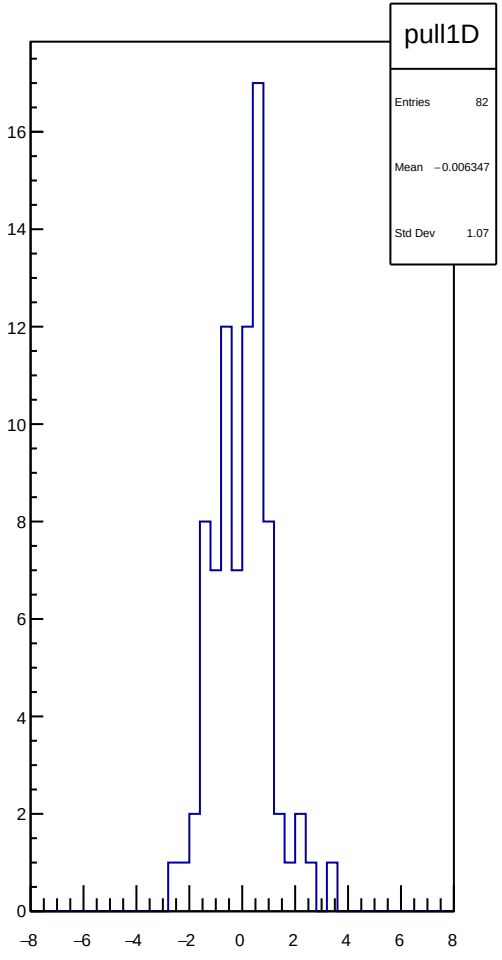

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 81
p0 36.45 ± 0.03081
100
90
80
70
60
50
40
30
20

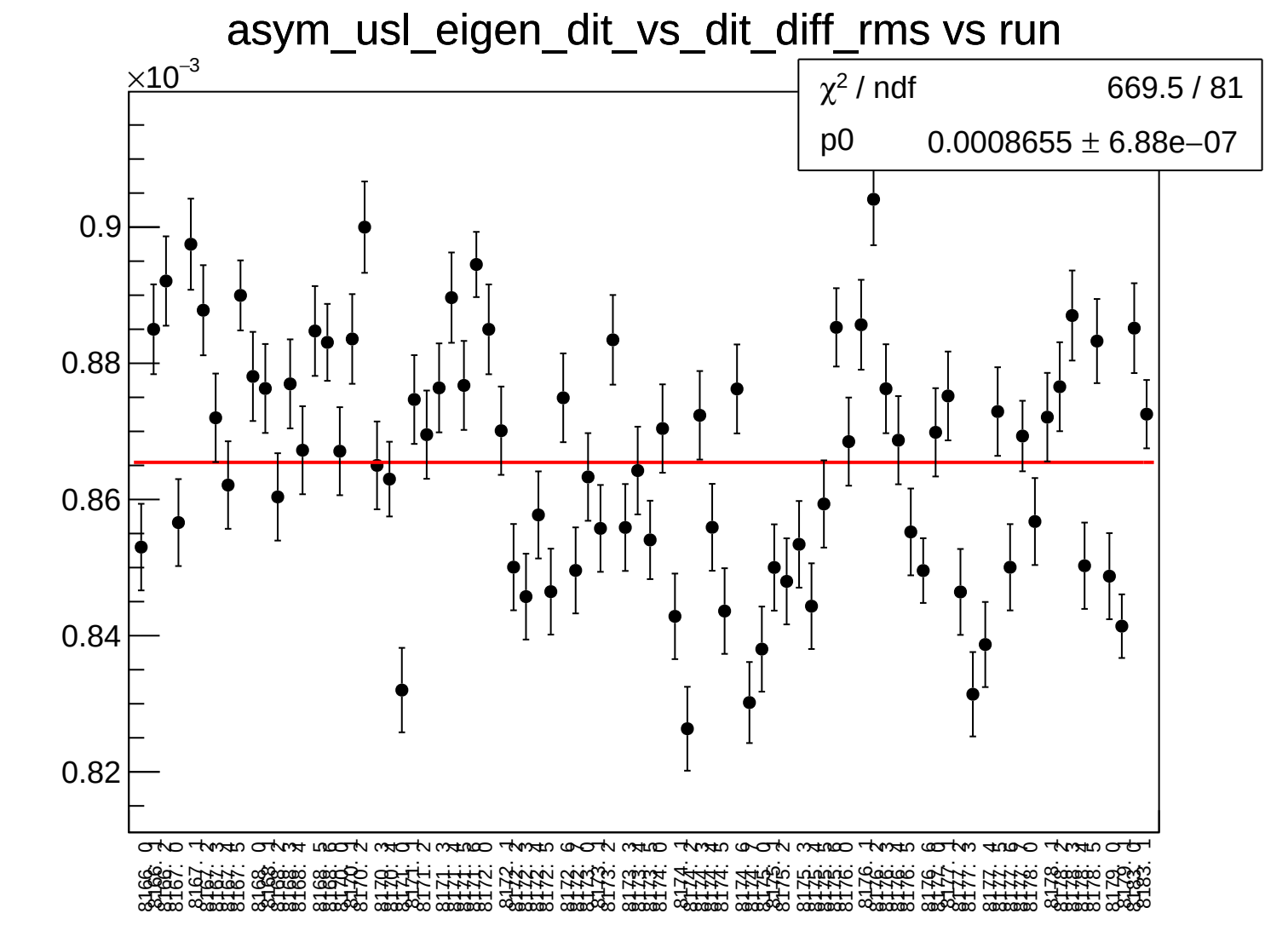

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 98.02 / 81
p0 −0.02118 ± 0.05859
pull
Entries 82
Mean −130.9
Std Dev 0

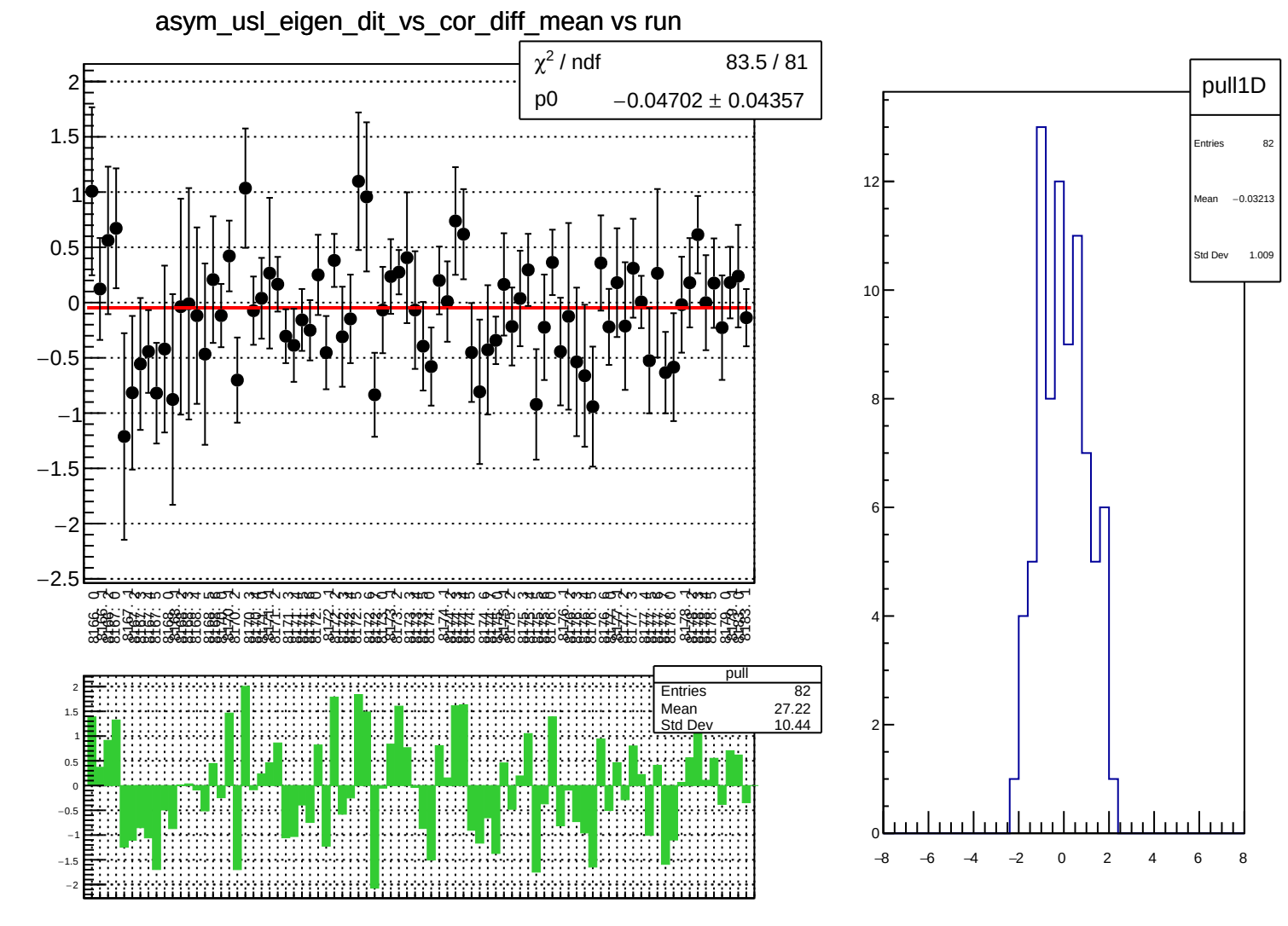

pull1D
Entries 82
Mean −0.005901
Std Dev 1.093

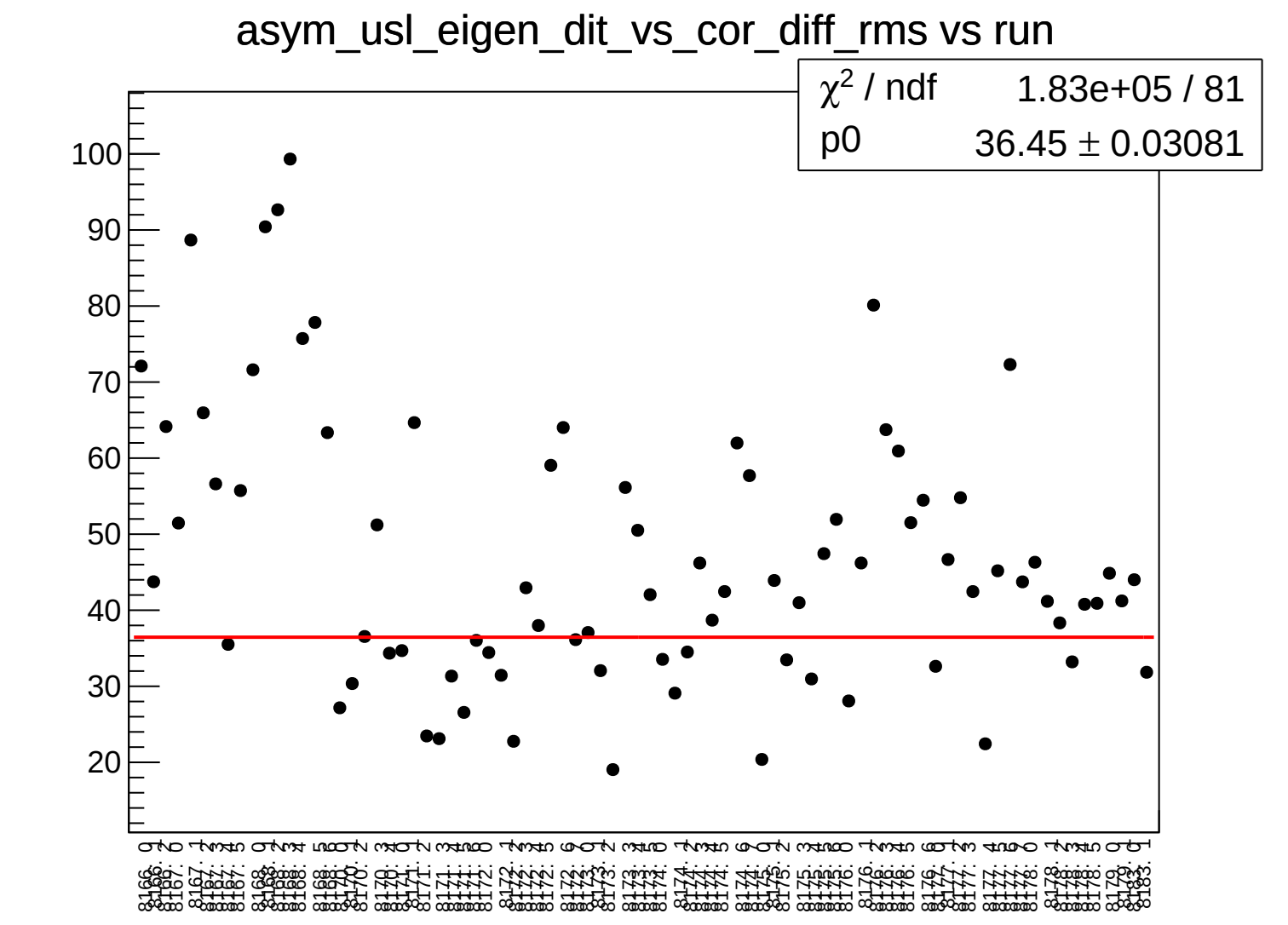

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.068e+05 / 81
p0 50.34 ± 0.04143
110
100
90
80
70
60
50
40
30

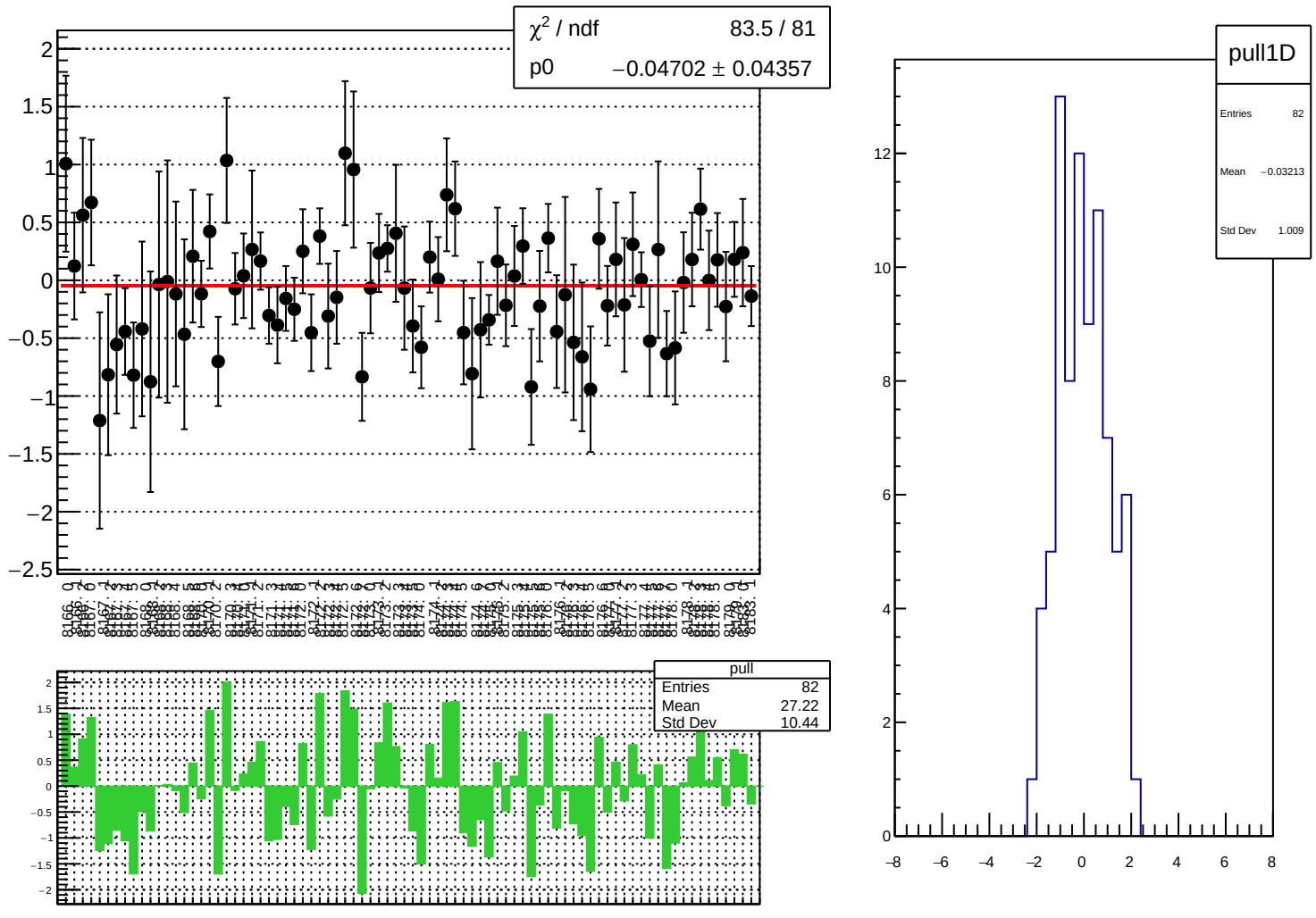

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.85 / 81
p0 1.893e−06 ± 9.73e−07
pull
Entries 82
Mean −194.7
Std Dev 0

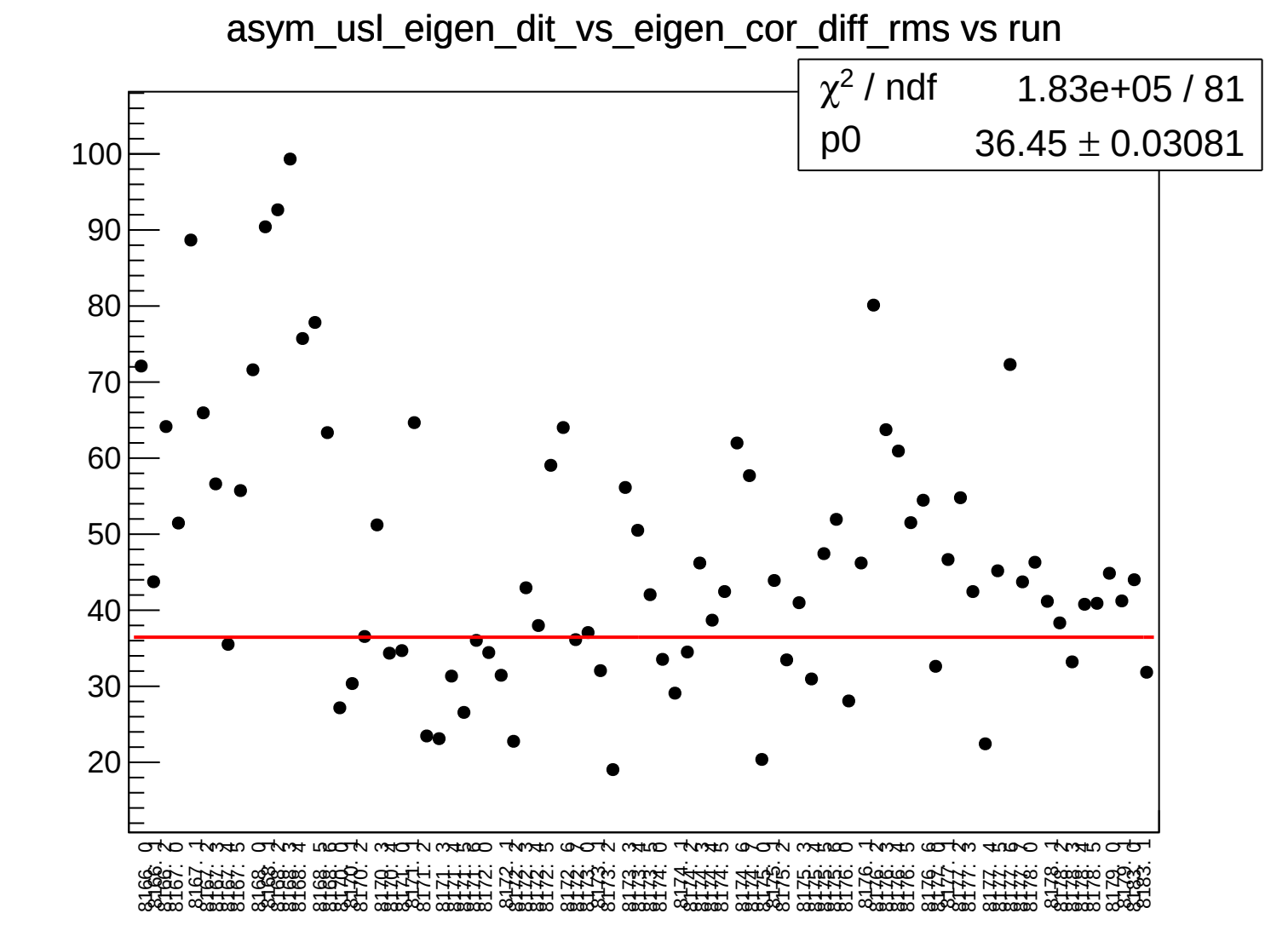

pull1D
Entries 82
Mean −0.006347
Std Dev 1.07

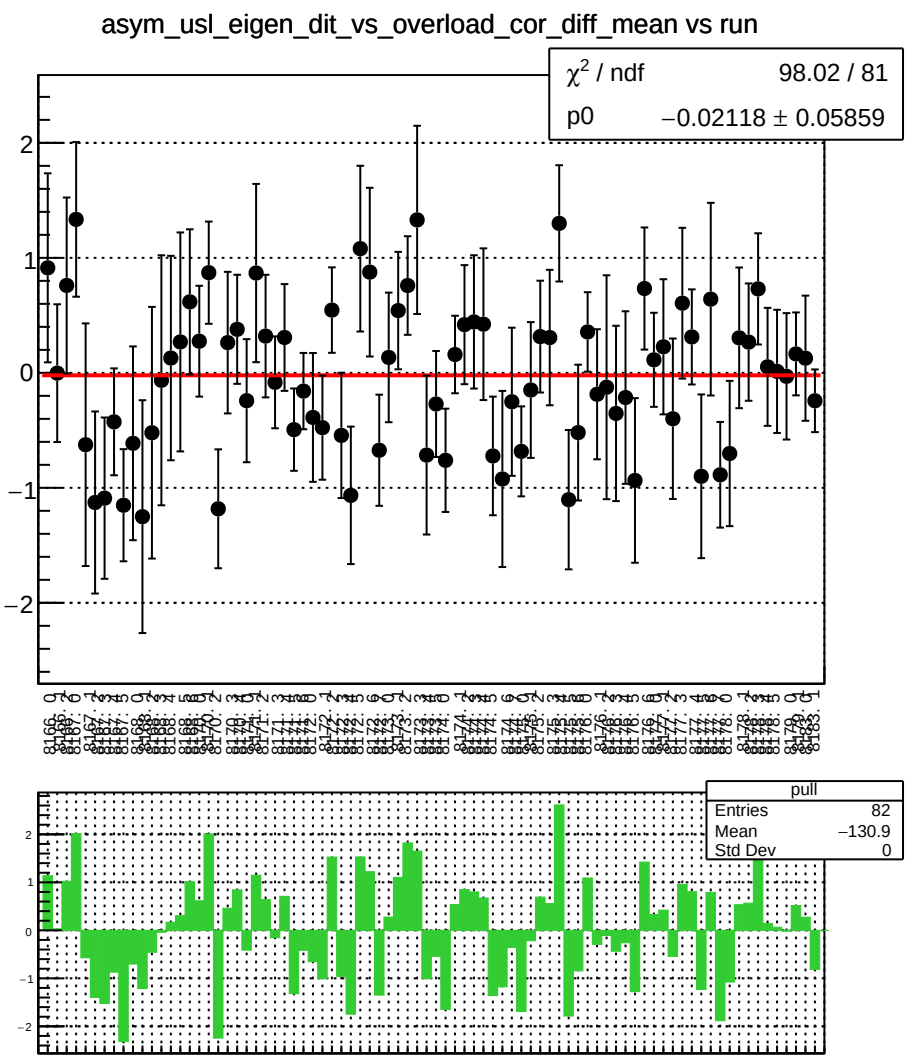

asym_usl_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 669.5 / 81
p0 0.0008655 ± 6.88e−07
0.9
0.88
0.86
0.84
0.82

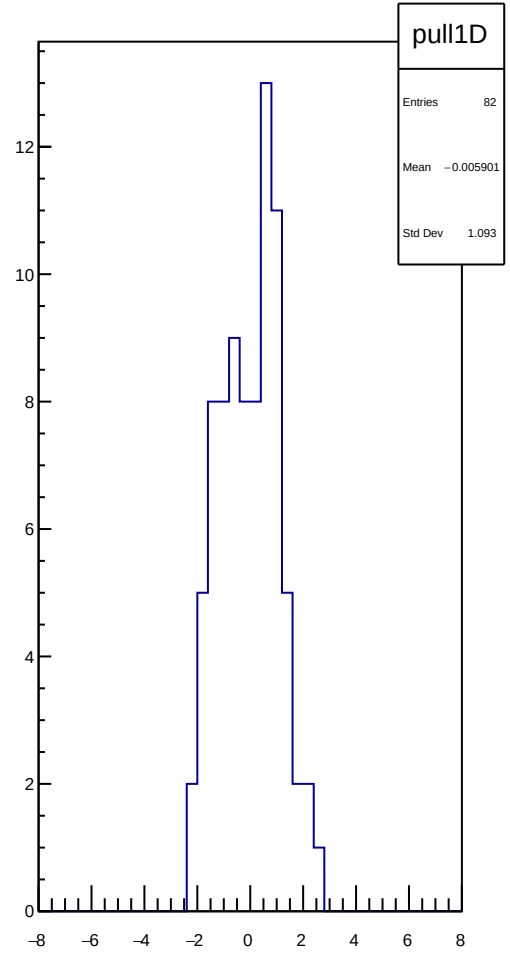

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.5 / 81
p0 −0.04702 ± 0.04357
pull
Entries 82
Mean 27.22
Std Dev 10.44
pull1D
Entries 82
Mean −0.03213
Std Dev 1.009

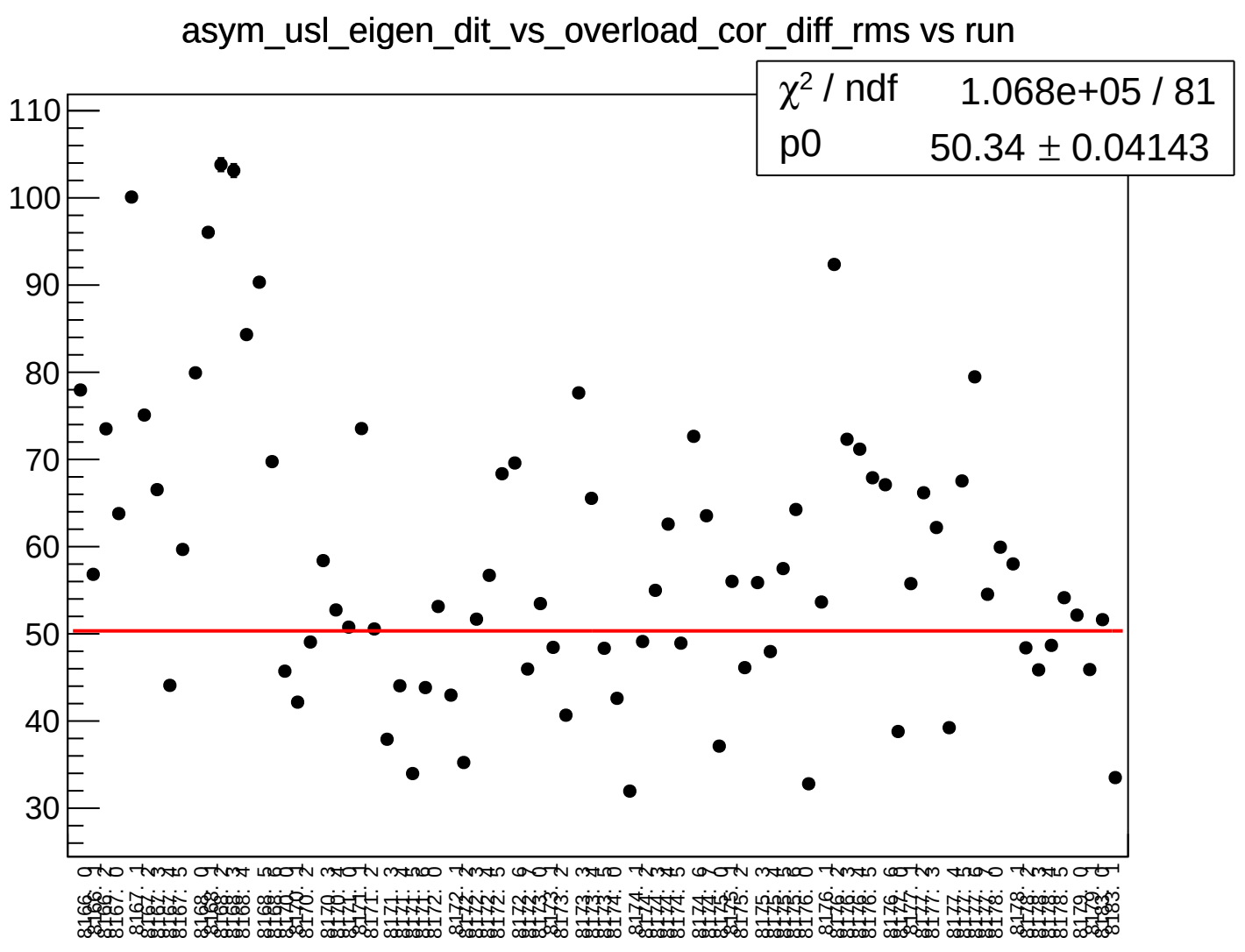

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.83e+05 / 81
p0 36.45 ± 0.03081
100
90
80
70
60
50
40
30
20

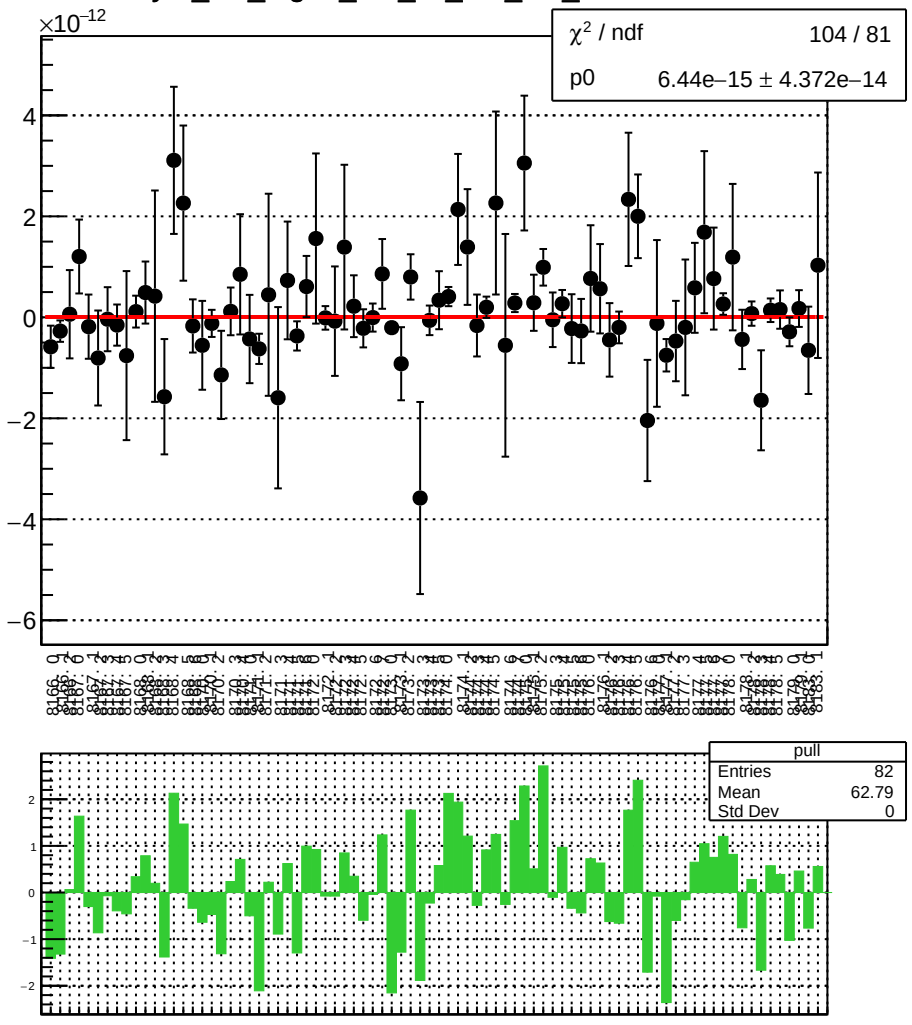

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.5 / 81
p0 −0.04702 ± 0.04357
pull
Entries 82
Mean 27.22
Std Dev 10.44
pull1D
Entries 82
Mean −0.03213
Std Dev 1.009

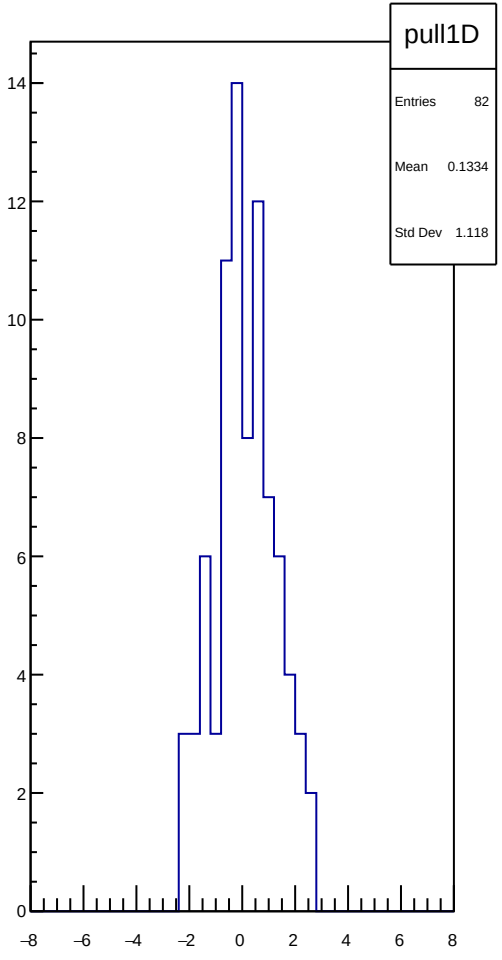

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.83e+05 / 81
p0 36.45 ± 0.03081
100
90
80
70
60
50
40
30
20

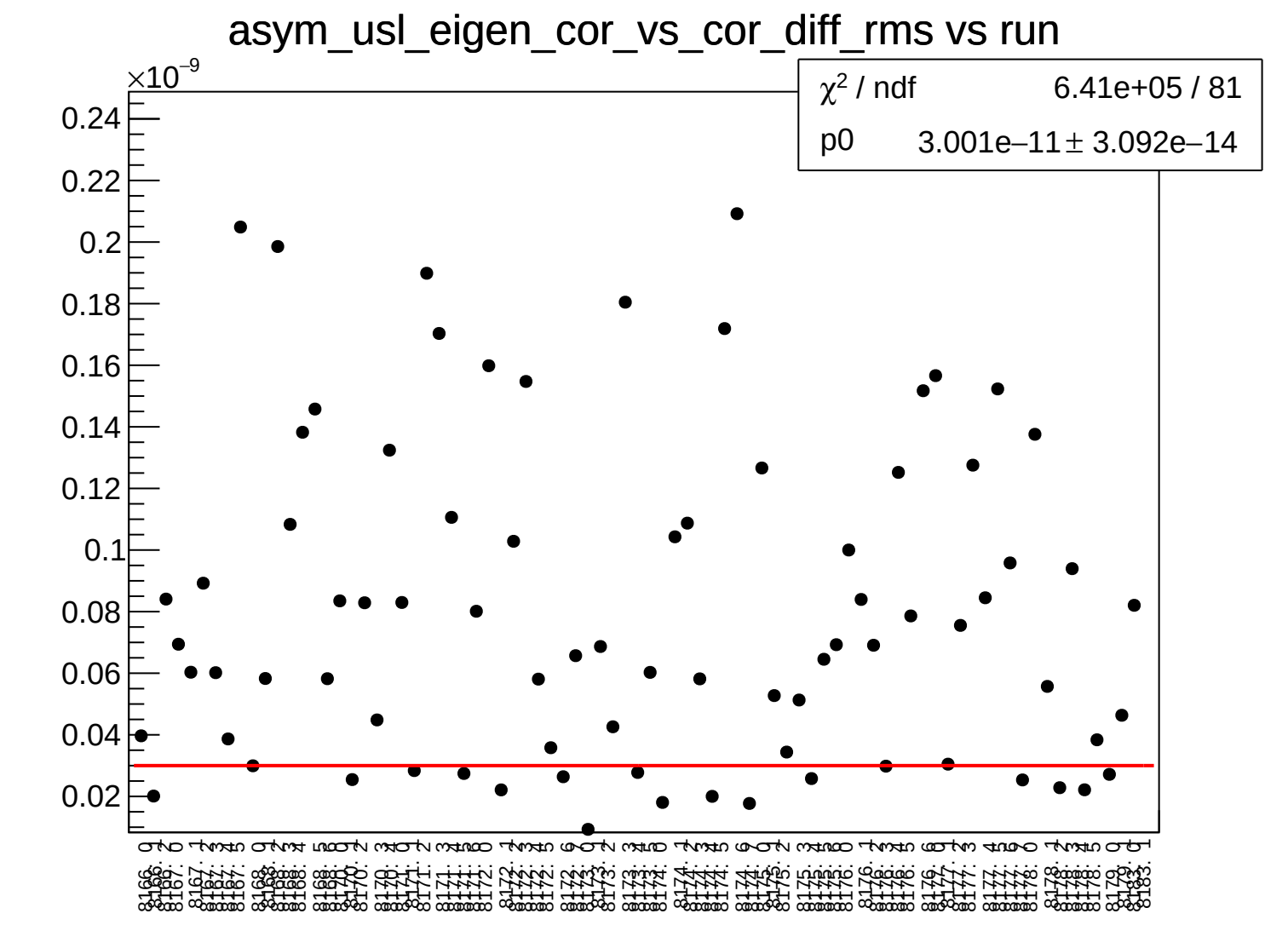

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 98.02 / 81
p0 −0.02118 ± 0.05859
pull
Entries 82
Mean −130.9
Std Dev 0

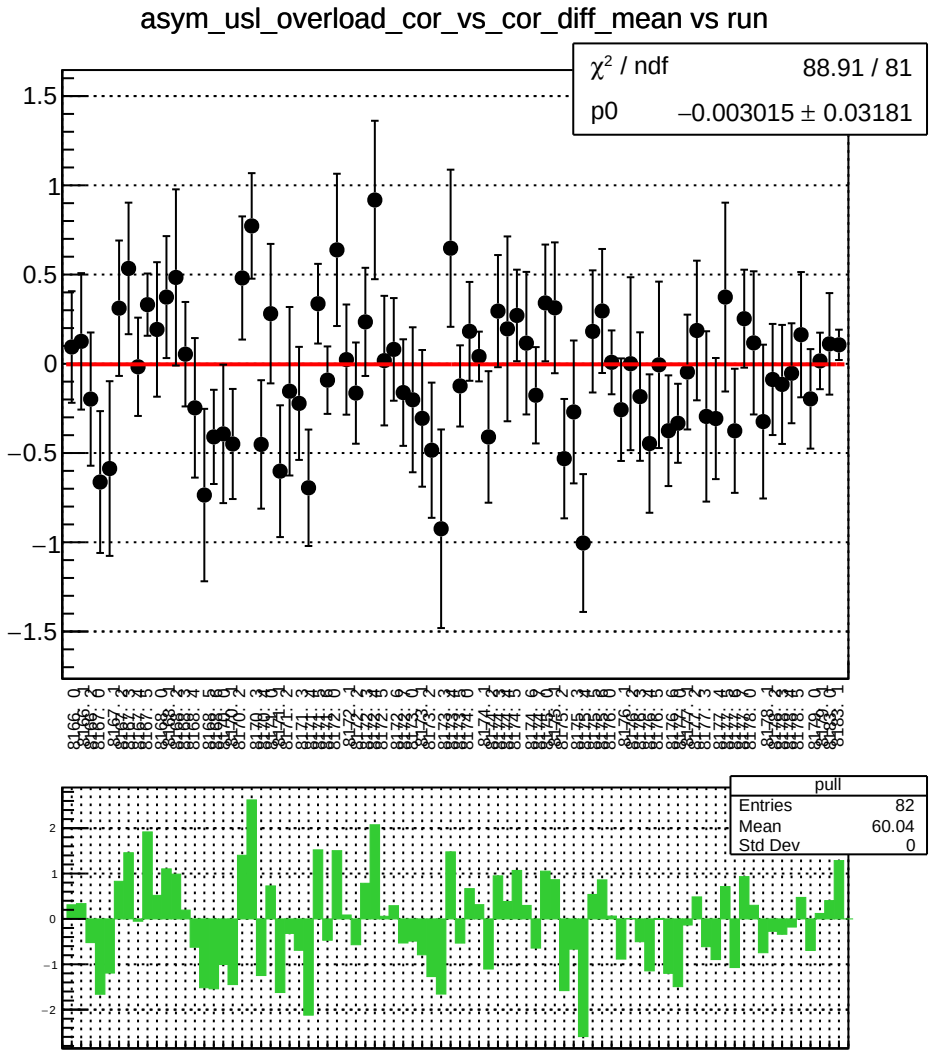

pull1D
Entries 82
Mean −0.005901
Std Dev 1.093

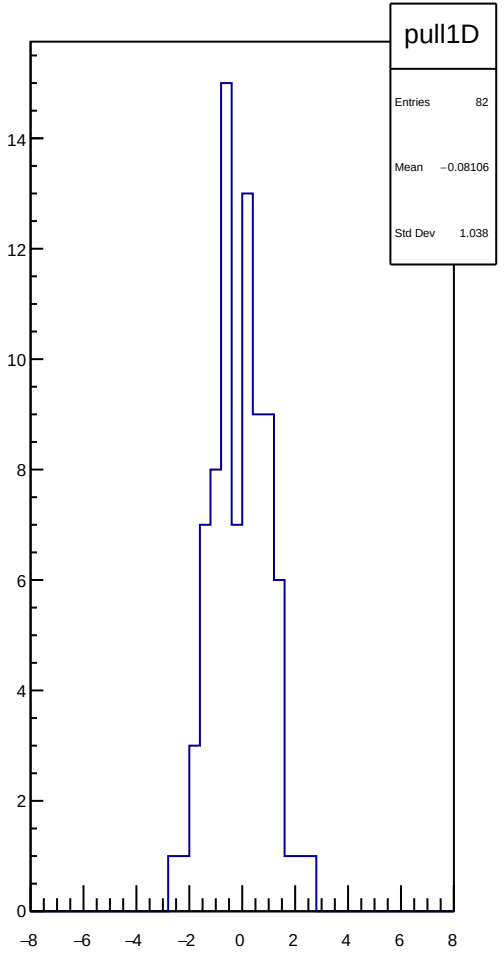

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 1.068e+05 / 81
p0 50.34 ± 0.04143
110
100
90
80
70
60
50
40
30

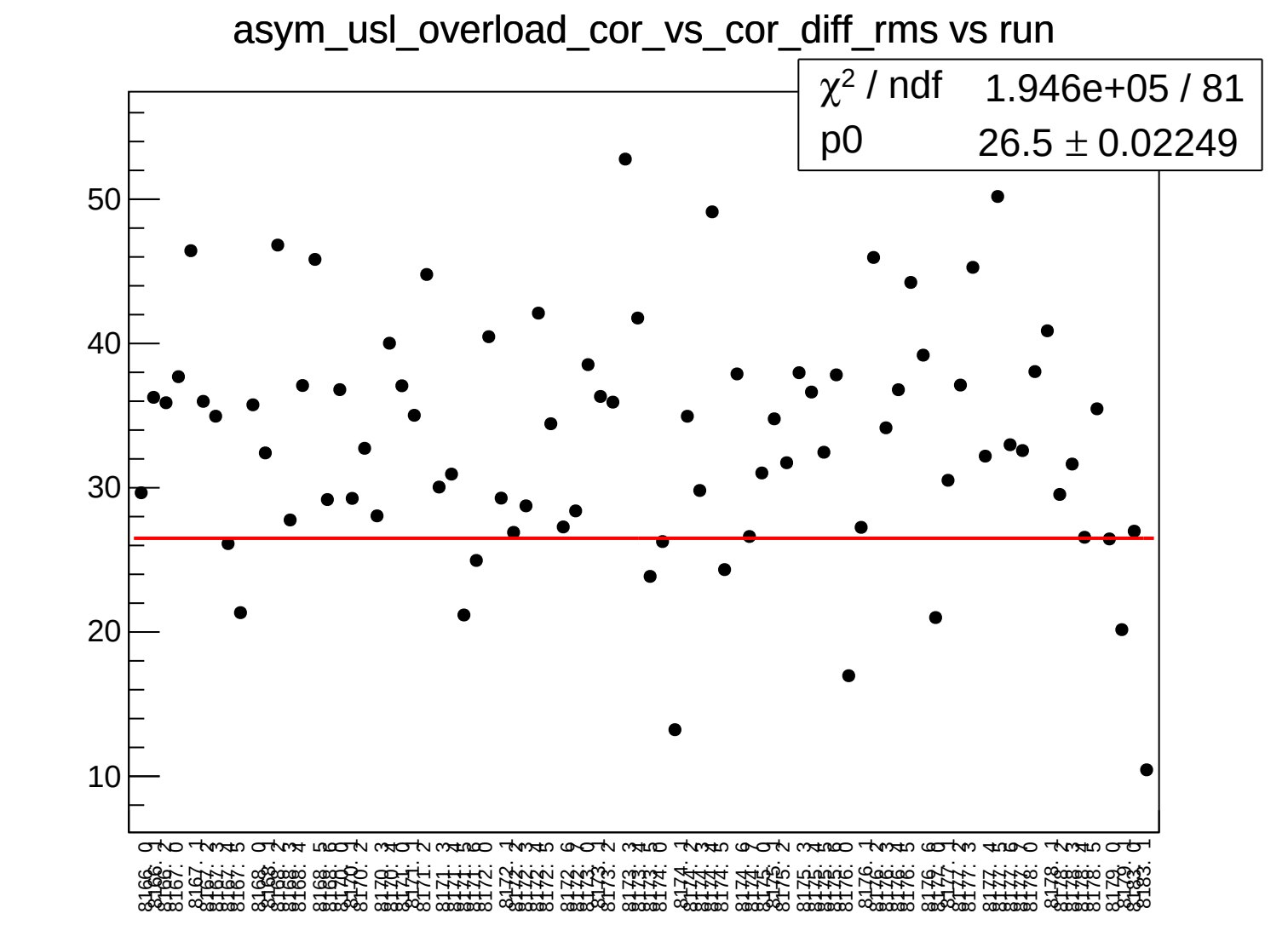

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 104 / 81
p0 6.44e−15 ± 4.372e−14
pull
Entries 82
Mean 62.79
Std Dev 0

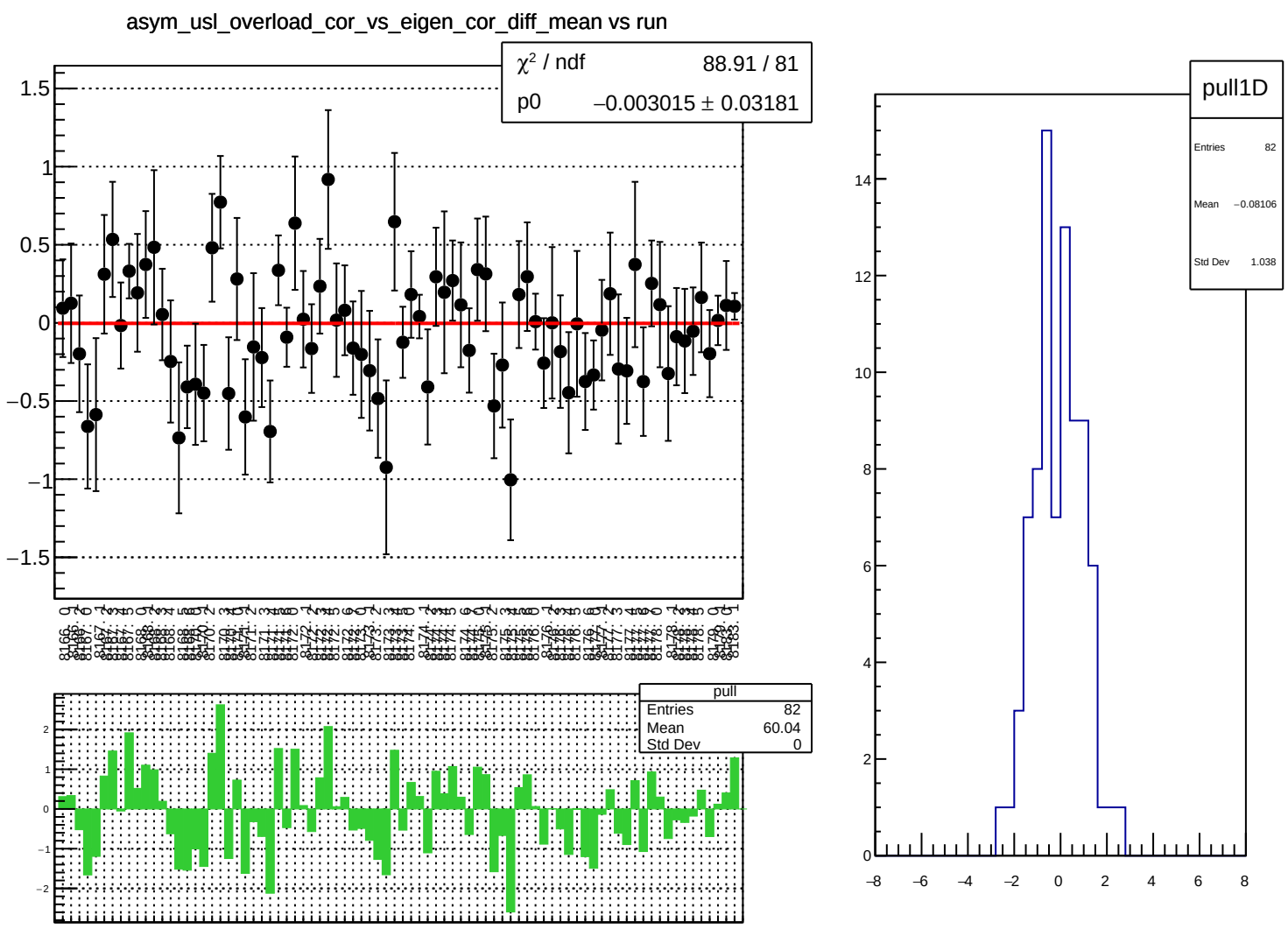

pull1D
Entries 82
Mean 0.1334
Std Dev 1.118

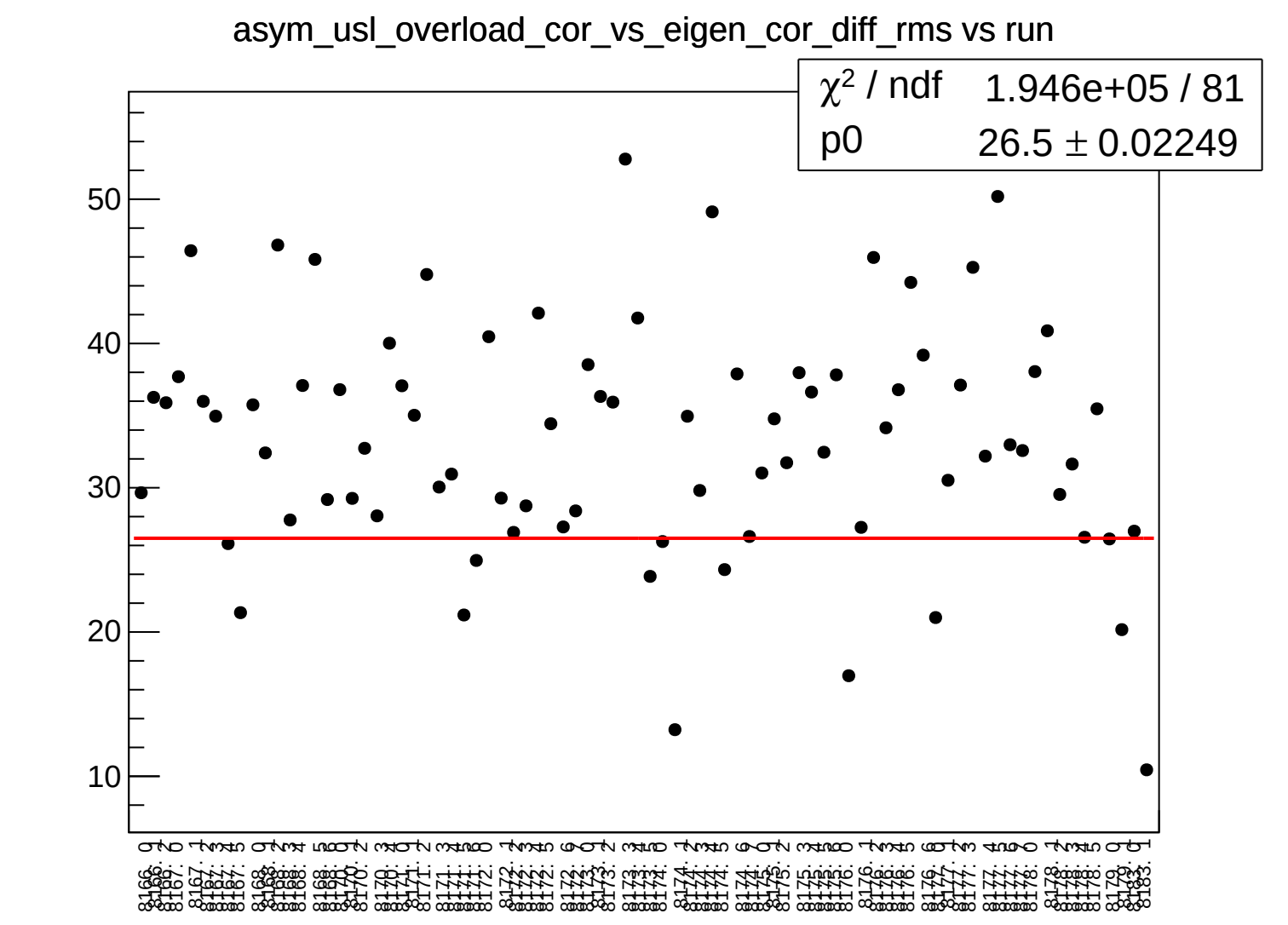

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.41e+05 / 81
p0 3.001e−11 ± 3.092e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

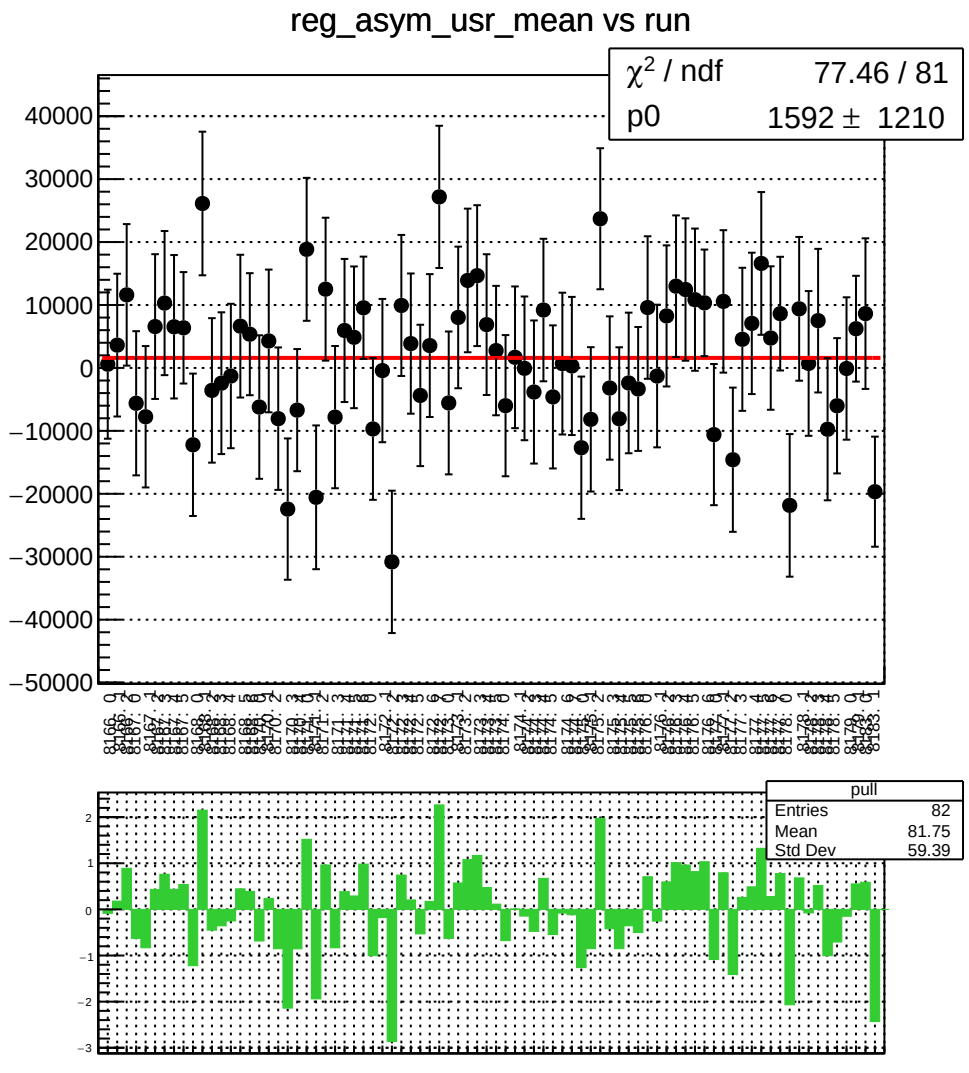

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 88.91 / 81
p0 −0.003015 ± 0.03181
pull
Entries 82
Mean 60.04
Std Dev 0

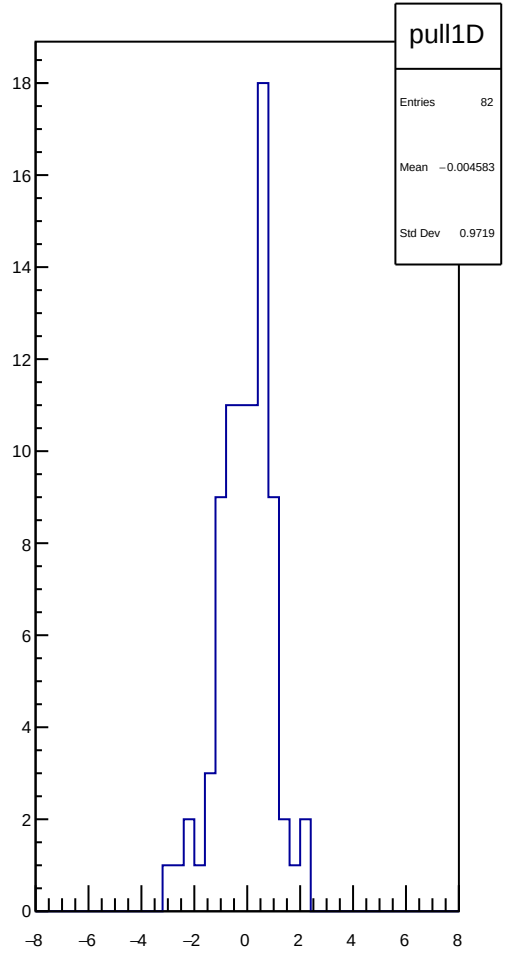

pull1D
Entries 82
Mean −0.08106
Std Dev 1.038

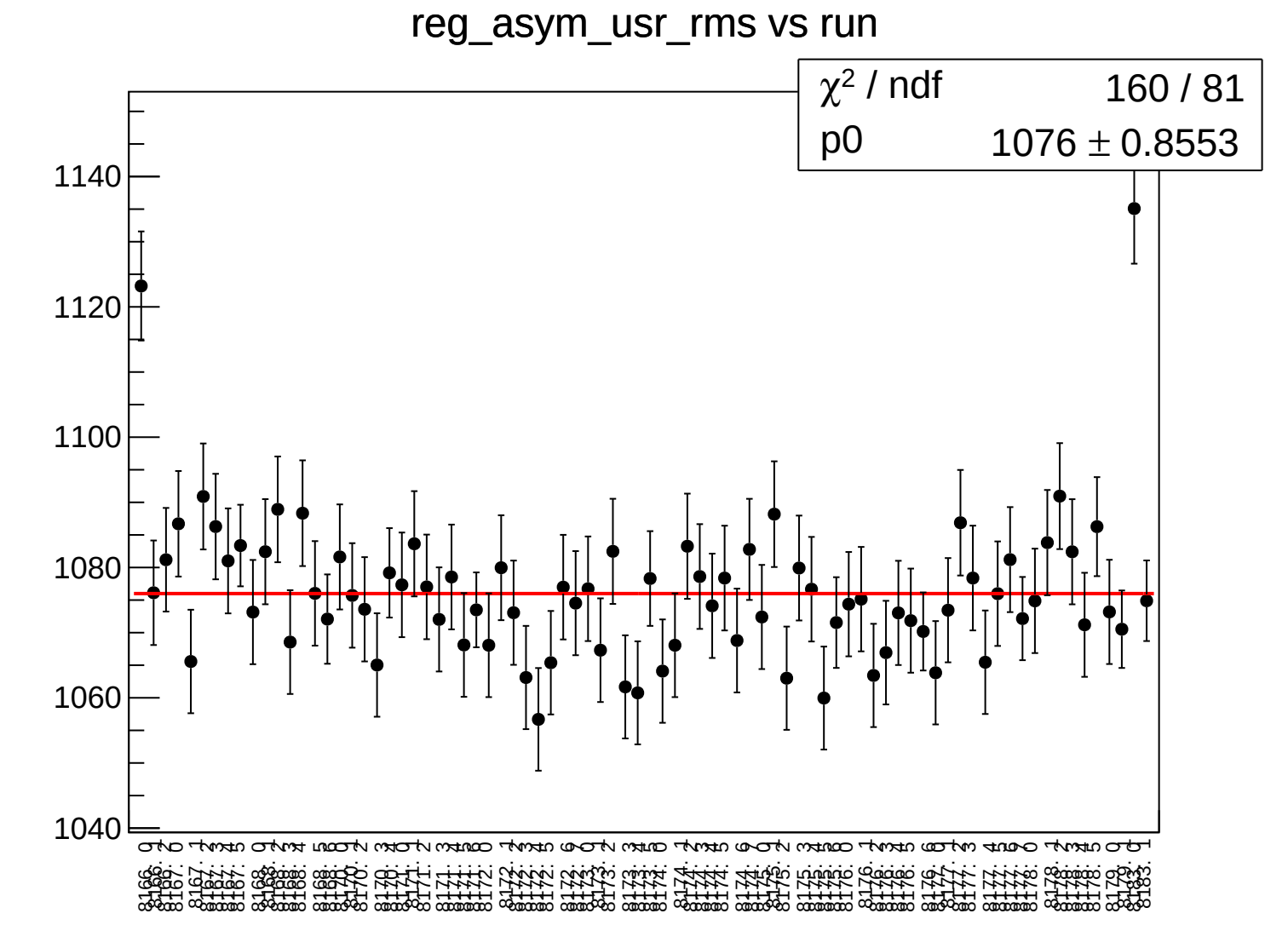

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.946e+05 / 81
p0 26.5 ± 0.02249
50
40
30
20
10

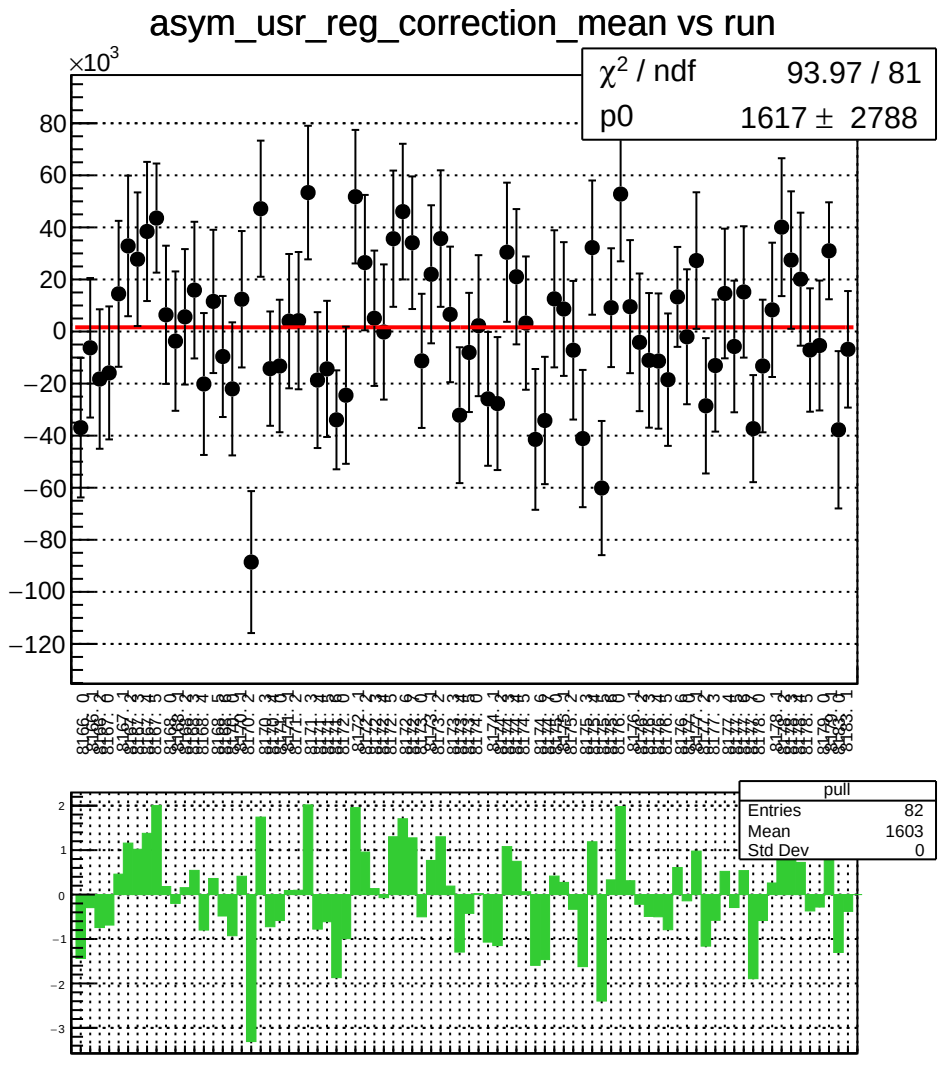

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.91 / 81
p0 −0.003015 ± 0.03181
pull
Entries 82
Mean 60.04
Std Dev 0
pull1D
Entries 82
Mean −0.08106
Std Dev 1.038

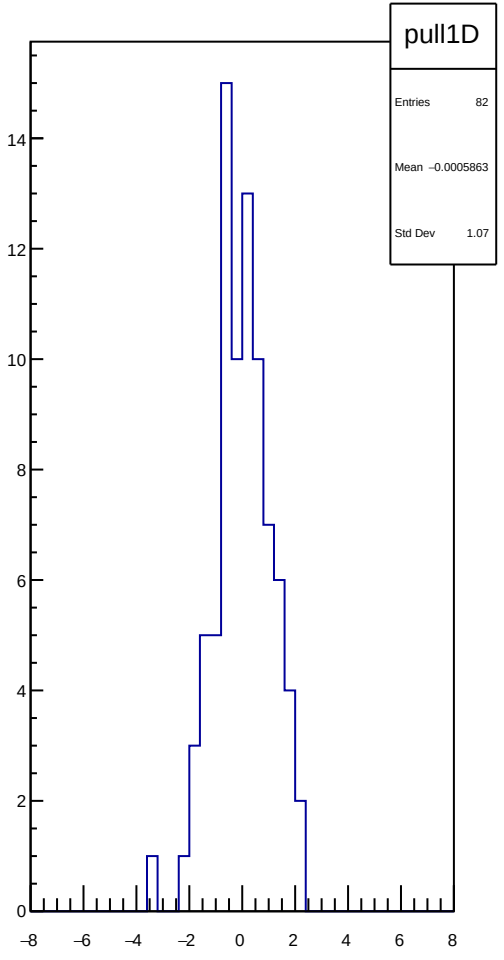

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.946e+05 / 81
p0 26.5 ± 0.02249
50
40
30
20
10

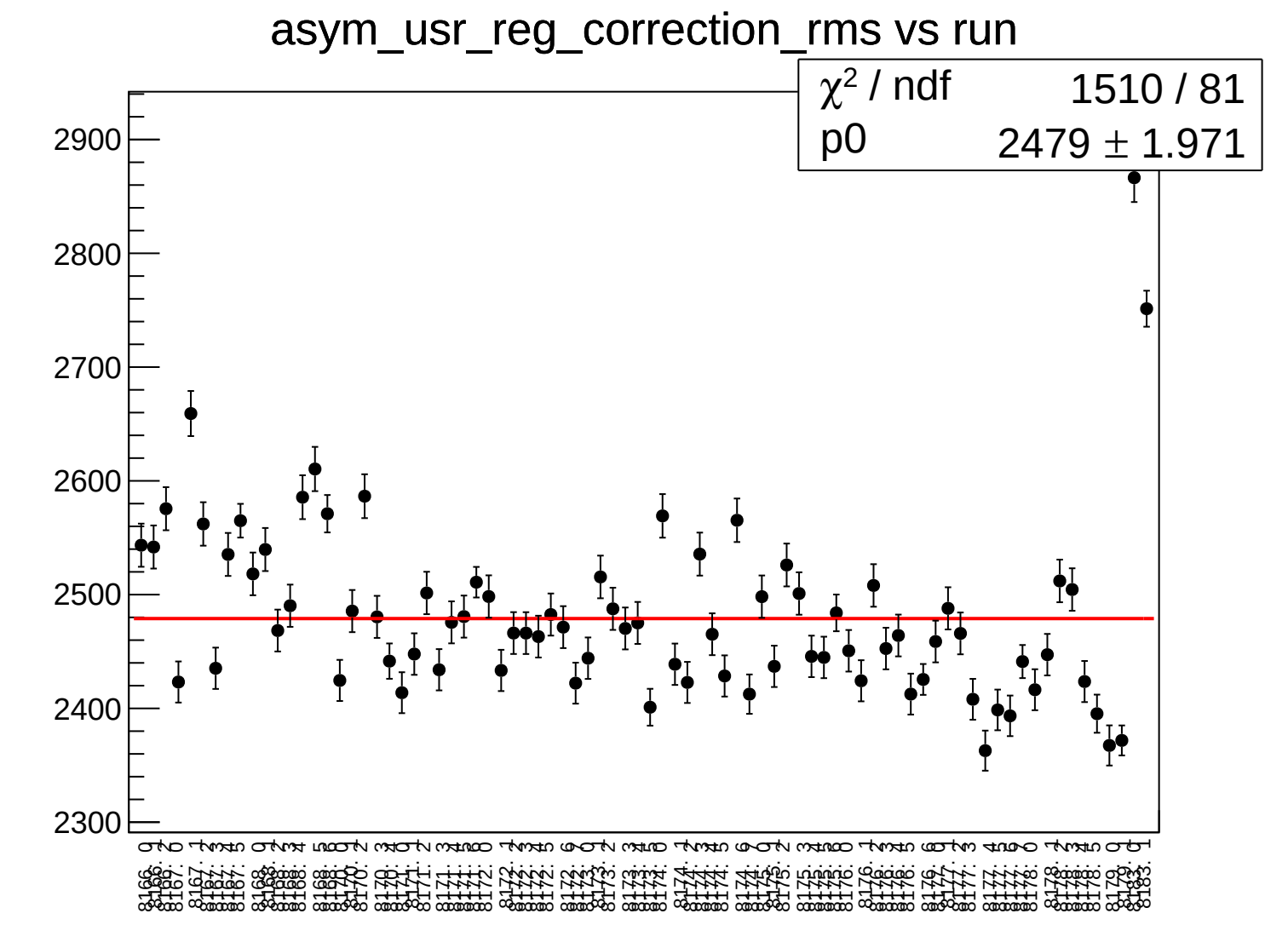

reg_asym_usr_mean vs run
χ² / ndf 77.46 / 81
p0 1592 ± 1210
pull
Entries 82
Mean 81.75
Std Dev 59.39

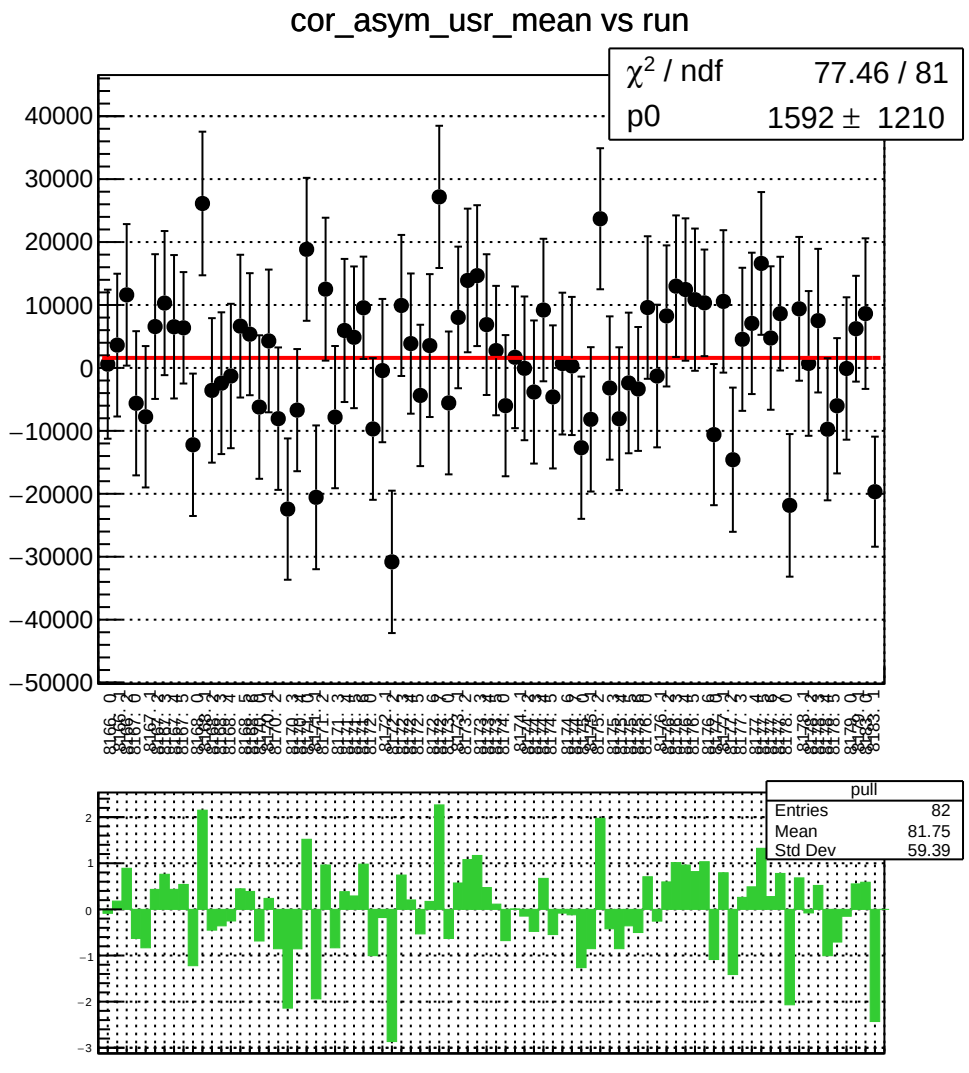

pull1D
Entries 82
Mean −0.004583
Std Dev 0.9719

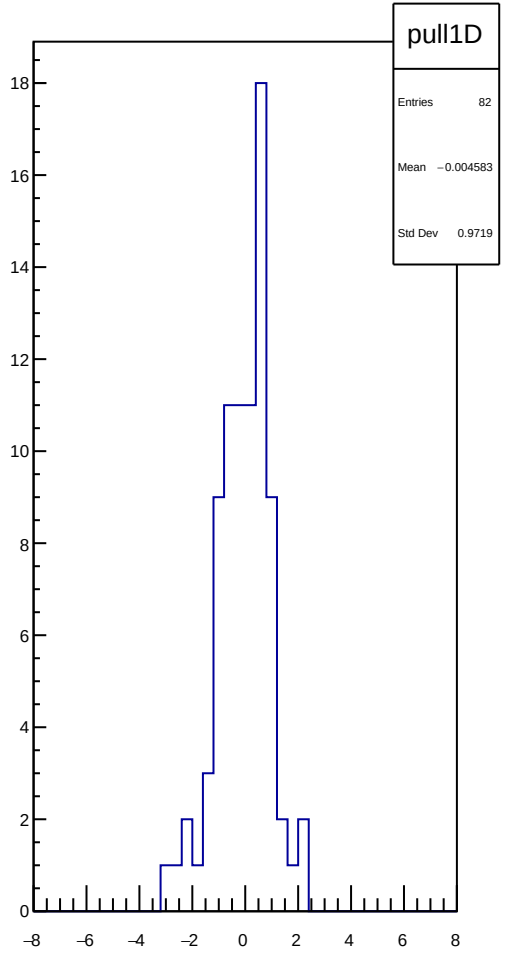

reg_asym_usr_rms vs run
χ^2 / ndf 160 / 81
p0 1076 ± 0.8553
1140
1120
1100
1080
1060
1040

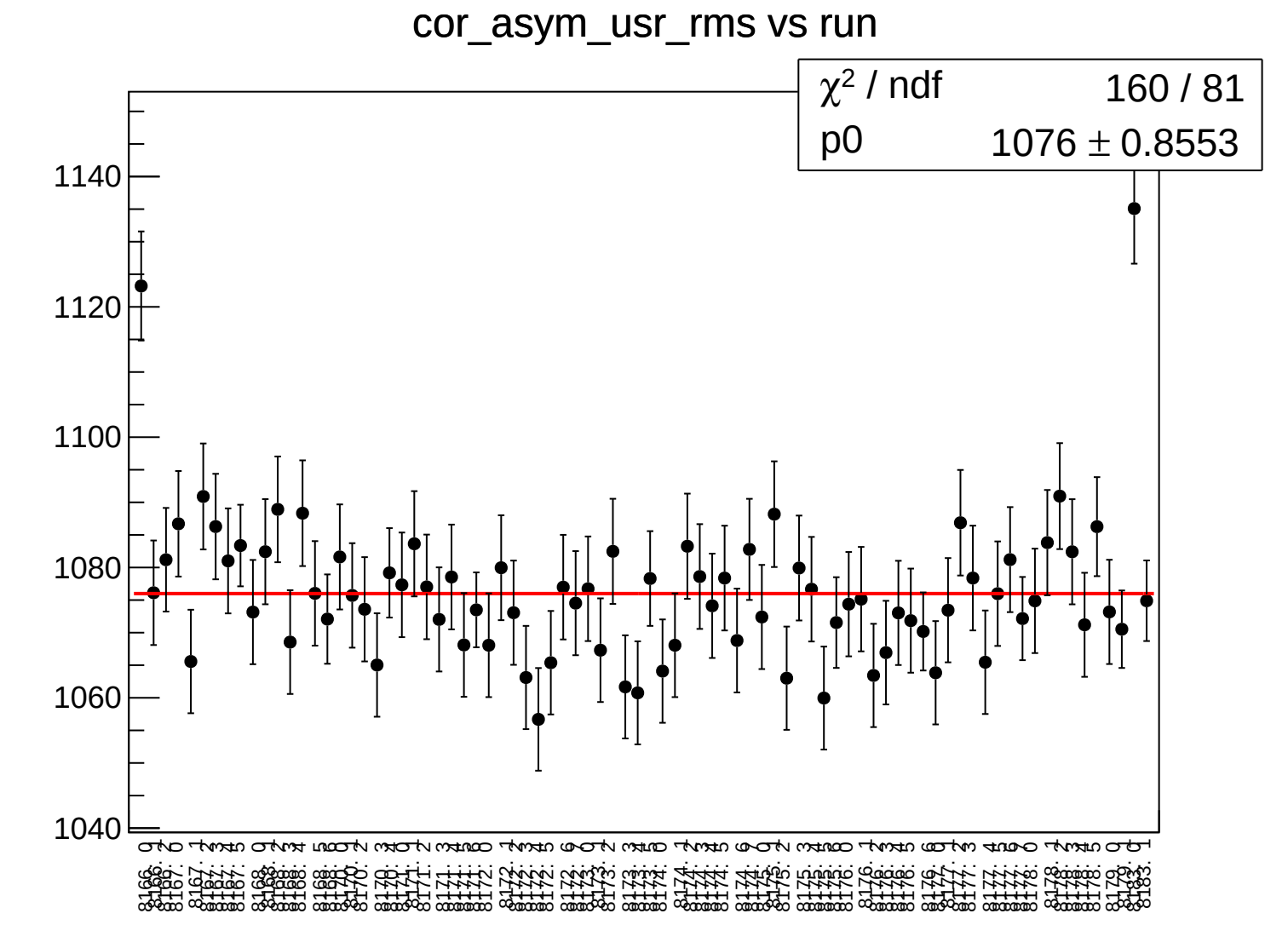

asym_usr_reg_correction_mean vs run
×10^3
χ^2 / ndf 93.97 / 81
p0 1617 ± 2788
pull
Entries 82
Mean 1603
Std Dev 0

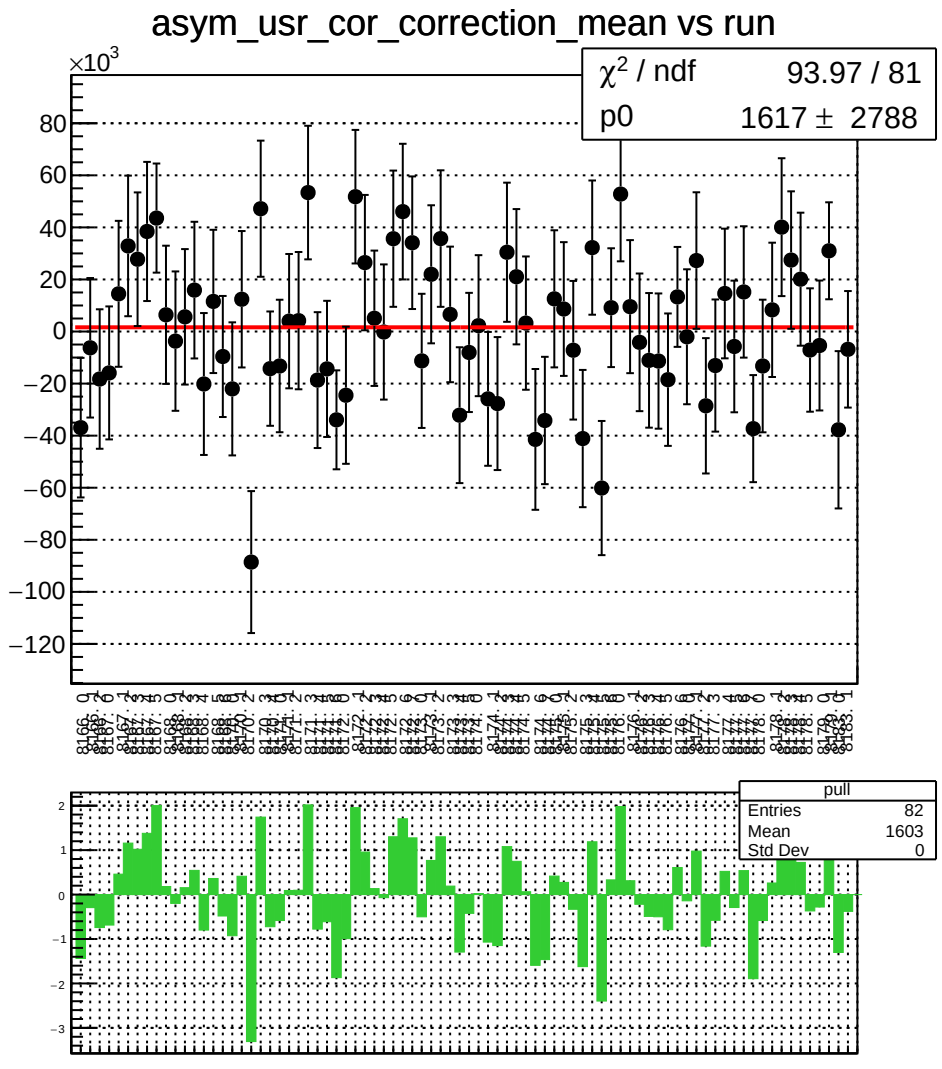

pull1D
Entries 82
Mean −0.0005863
Std Dev 1.07

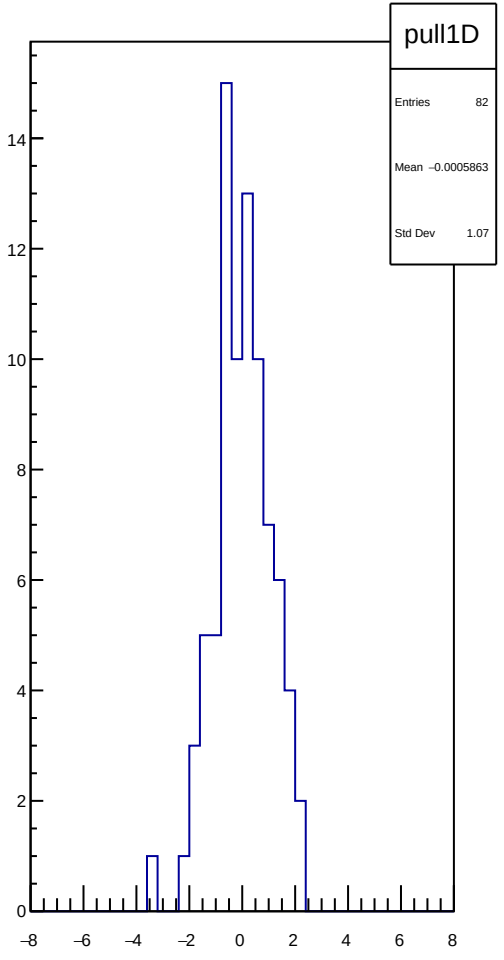

asym_usr_reg_correction_rms vs run
χ² / ndf 1510 / 81
p0 2479 ± 1.971
2900
2800
2700
2600
2500
2400
2300

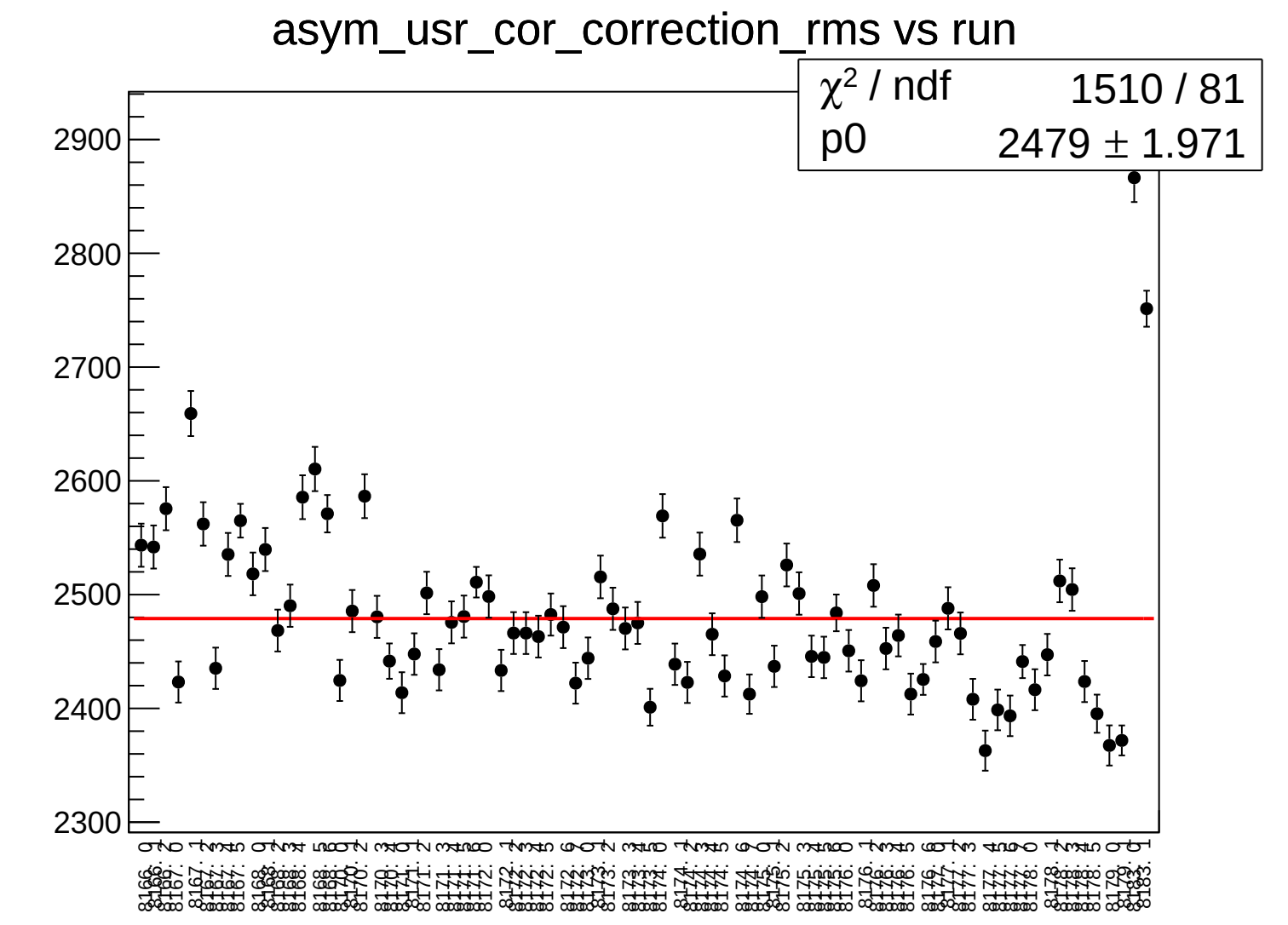

cor_asym_usr_mean vs run
χ² / ndf 77.46 / 81
p0 1592 ± 1210
pull
Entries 82
Mean 81.75
Std Dev 59.39

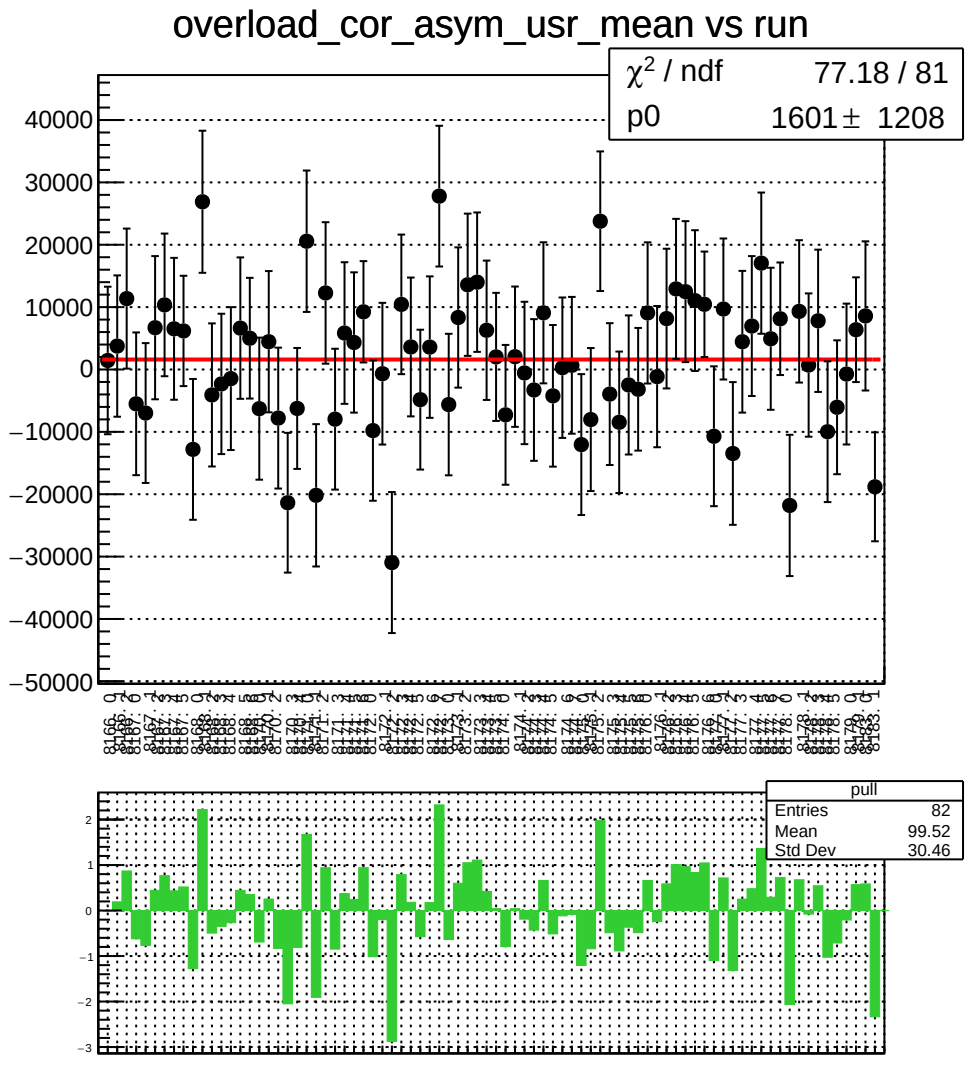

pull1D
Entries 82
Mean −0.004583
Std Dev 0.9719

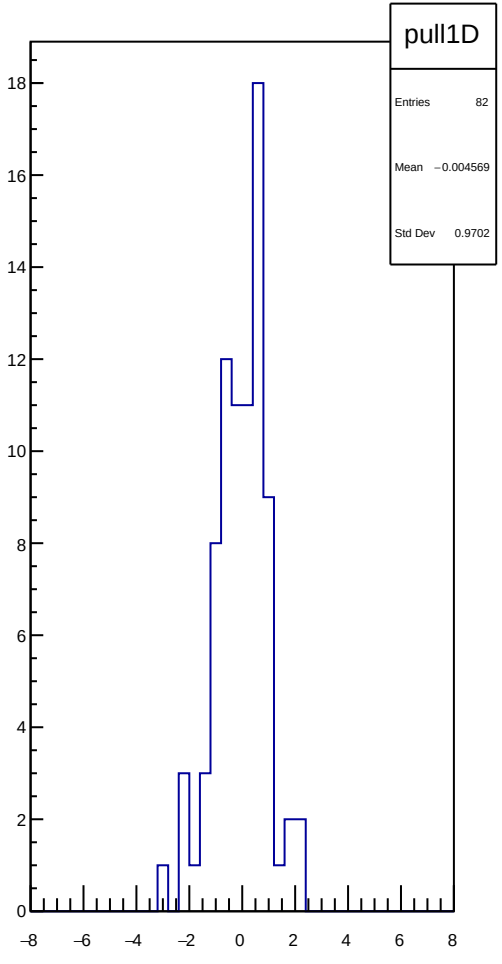

cor_asym_usr_rms vs run
χ^2 / ndf 160 / 81
p0 1076 ± 0.8553
1140
1120
1100
1080
1060
1040

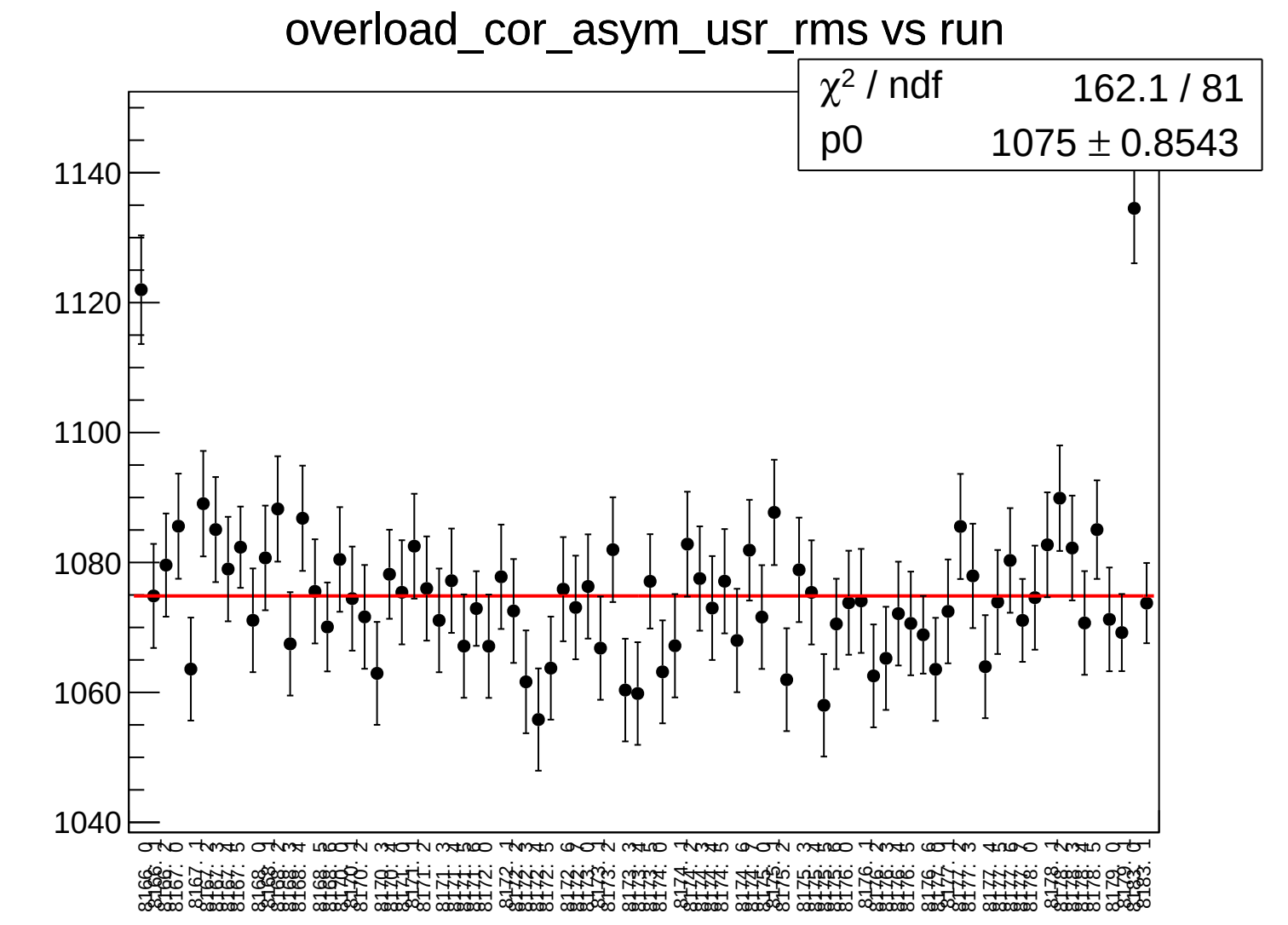

asym_usr_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.97 / 81
p0 1617 ± 2788
pull
Entries 82
Mean 1603
Std Dev 0

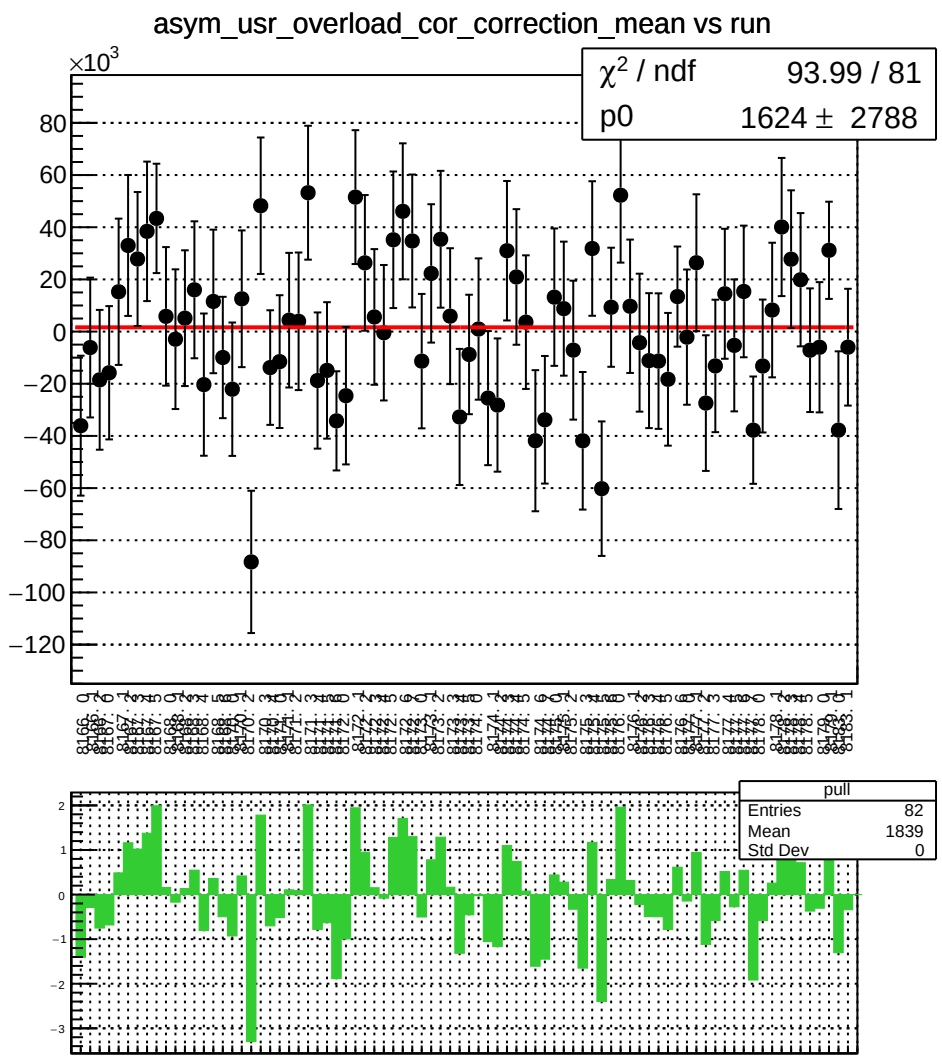

pull1D
Entries 82
Mean −0.0005863
Std Dev 1.07

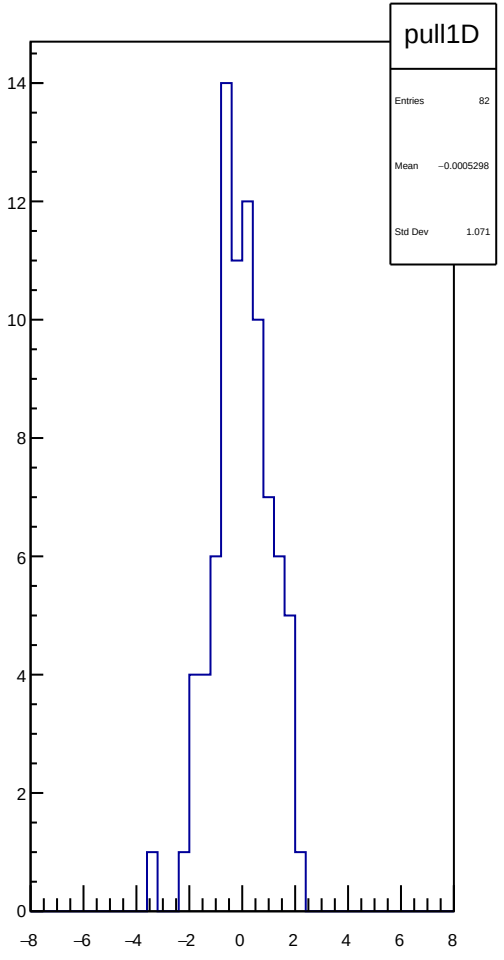

asym_usr_cor_correction_rms vs run
χ² / ndf 1510 / 81
p0 2479 ± 1.971
2900
2800
2700
2600
2500
2400
2300

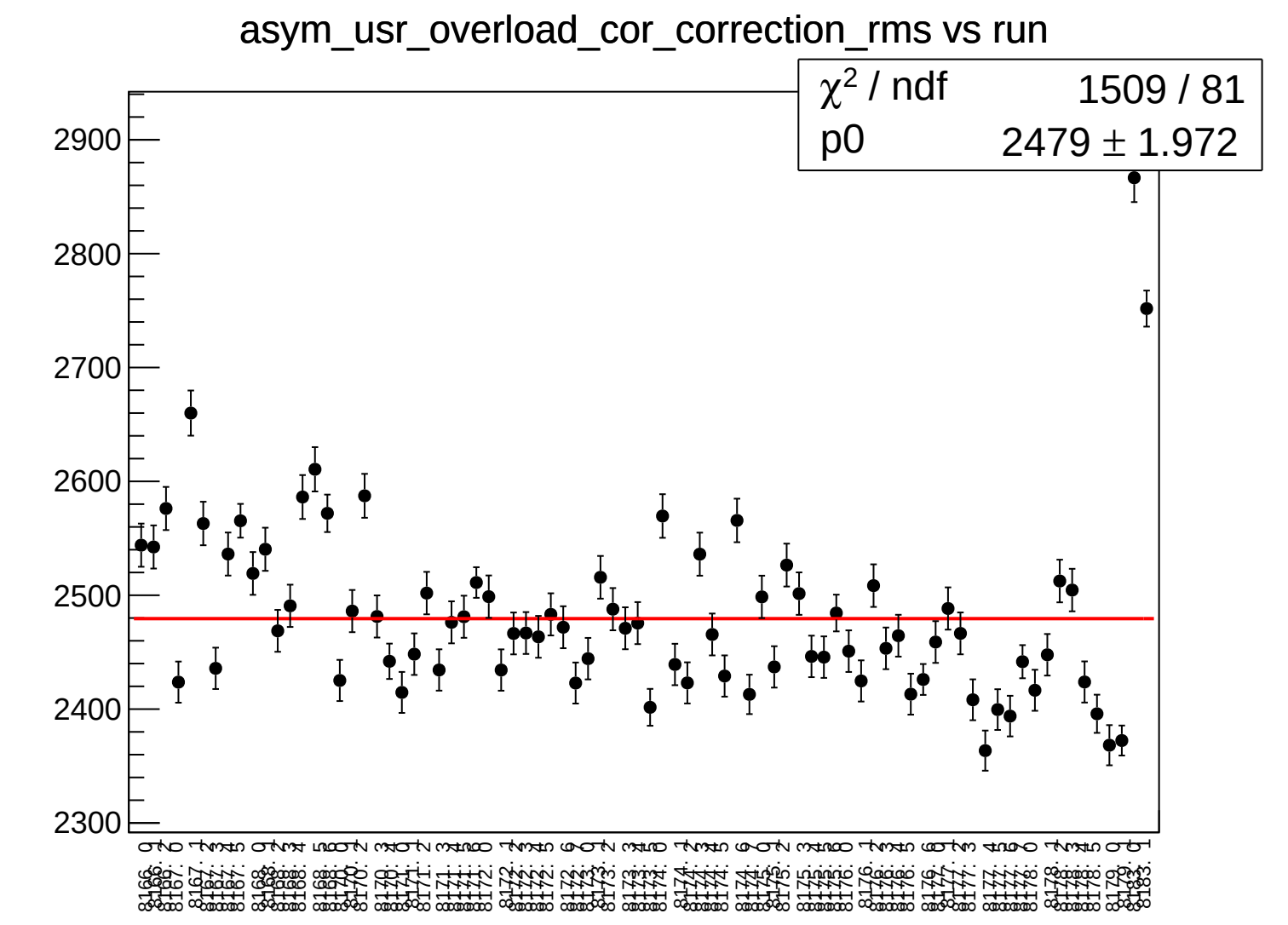

overload_cor_asym_usr_mean vs run
χ² / ndf 77.18 / 81
p0 1601 ± 1208
pull
Entries 82
Mean 99.52
Std Dev 30.46

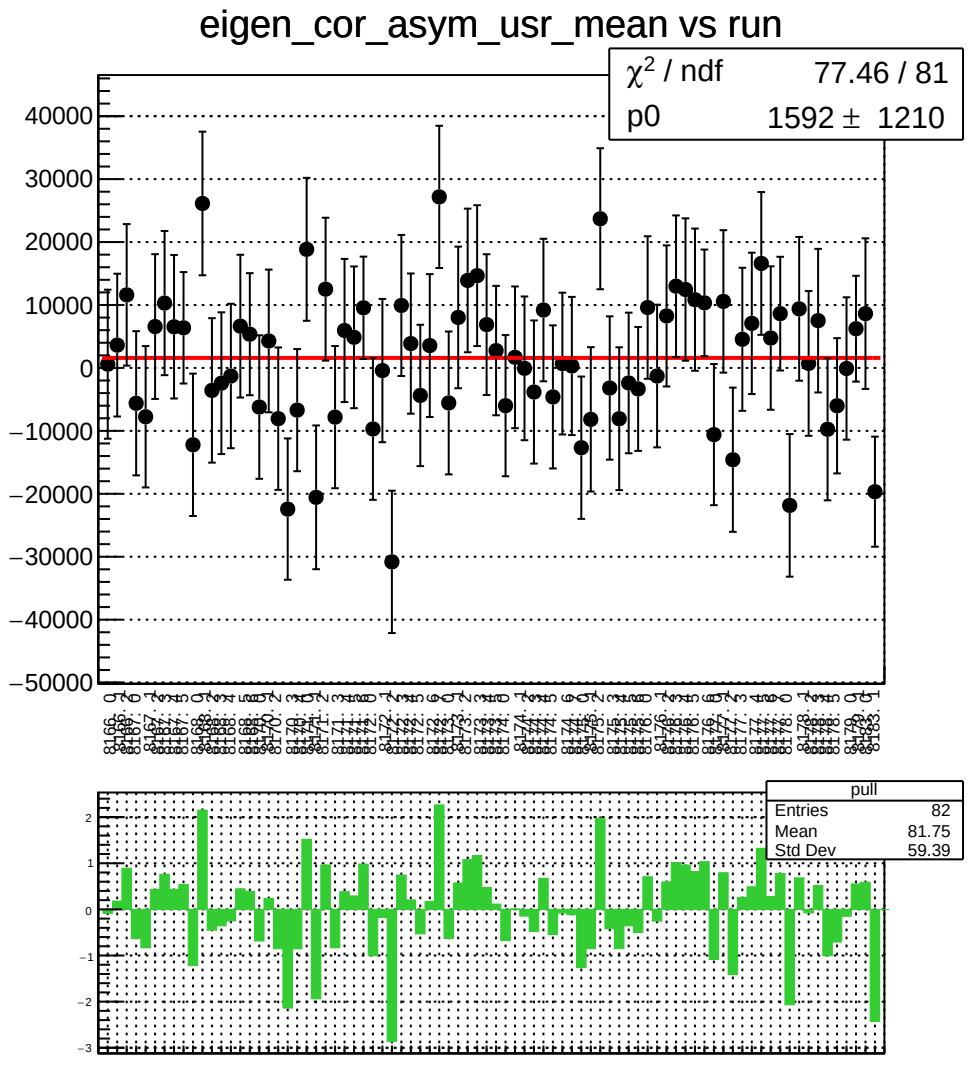

pull1D
Entries 82
Mean −0.004569
Std Dev 0.9702

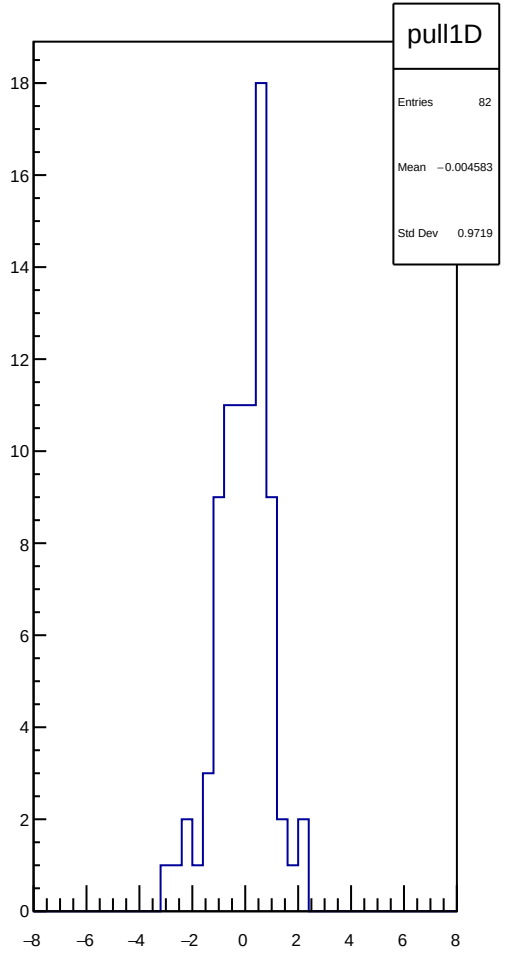

overload_cor_asym_usr_rms vs run
χ² / ndf 162.1 / 81
p0 1075 ± 0.8543
1140
1120
1100
1080
1060
1040

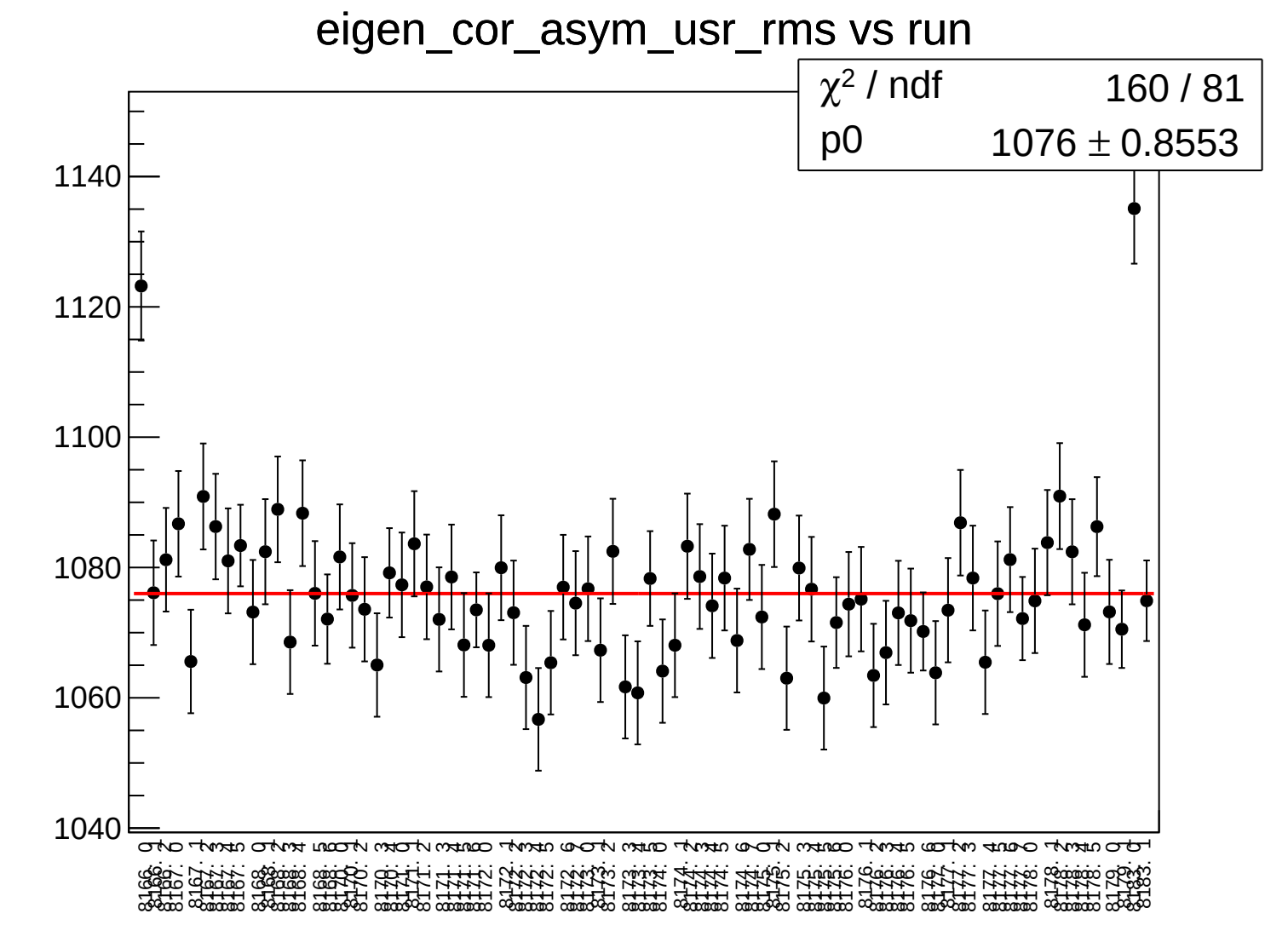

asym_usr_overload_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.99 / 81
p0 1624 ± 2788
pull
Entries 82
Mean 1839
Std Dev 0

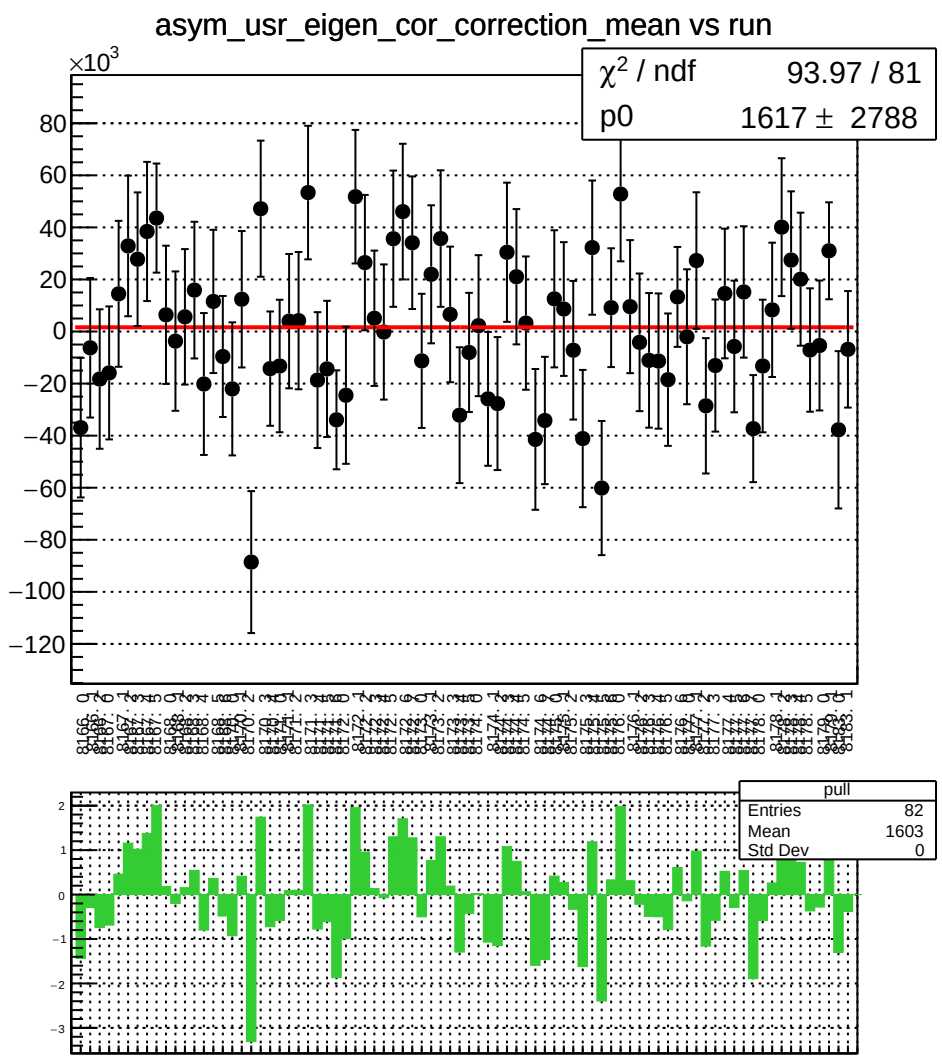

pull1D
Entries 82
Mean −0.0005298
Std Dev 1.071

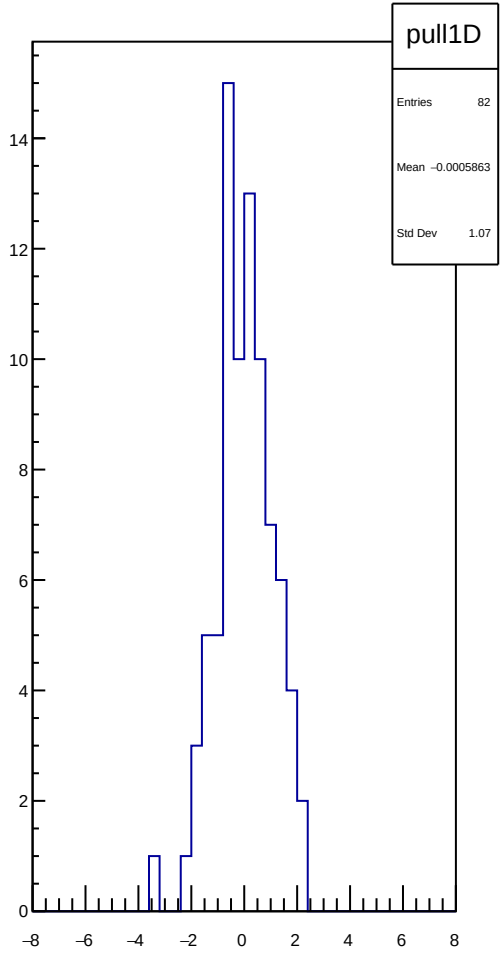

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 1509 / 81
p0 2479 ± 1.972
2900
2800
2700
2600
2500
2400
2300

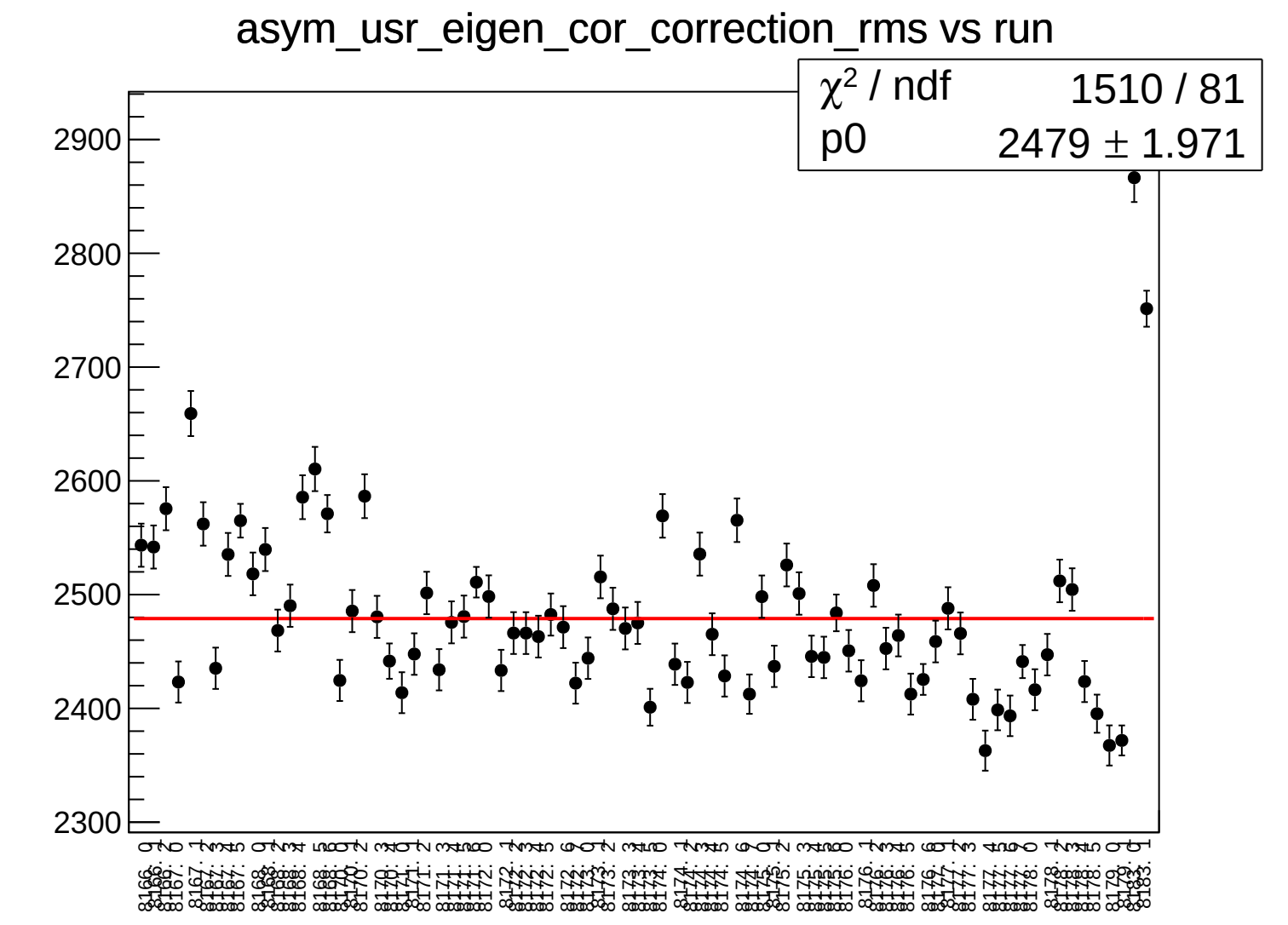

eigen_cor_asym_usr_mean vs run
χ² / ndf 77.46 / 81
p0 1592 ± 1210
pull
Entries 82
Mean 81.75
Std Dev 59.39

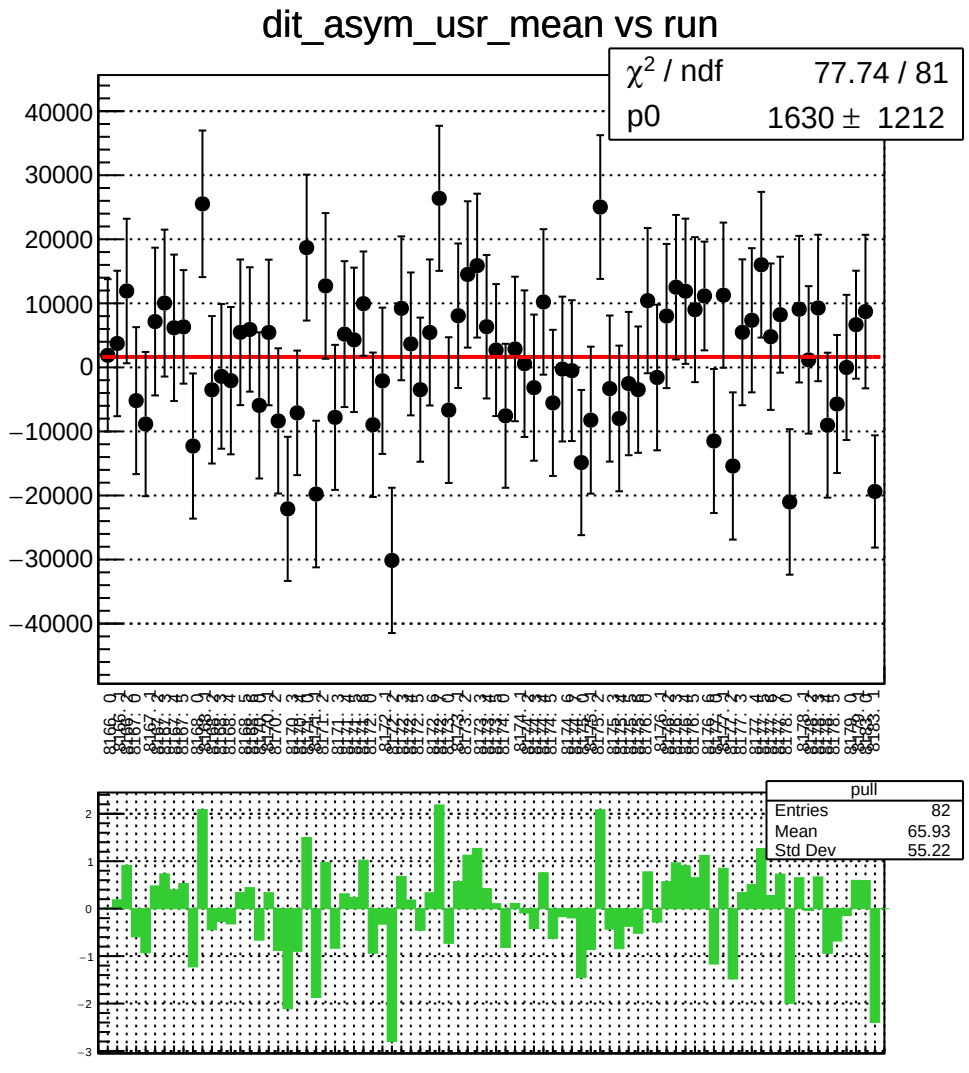

pull1D
Entries 82
Mean −0.004583
Std Dev 0.9719

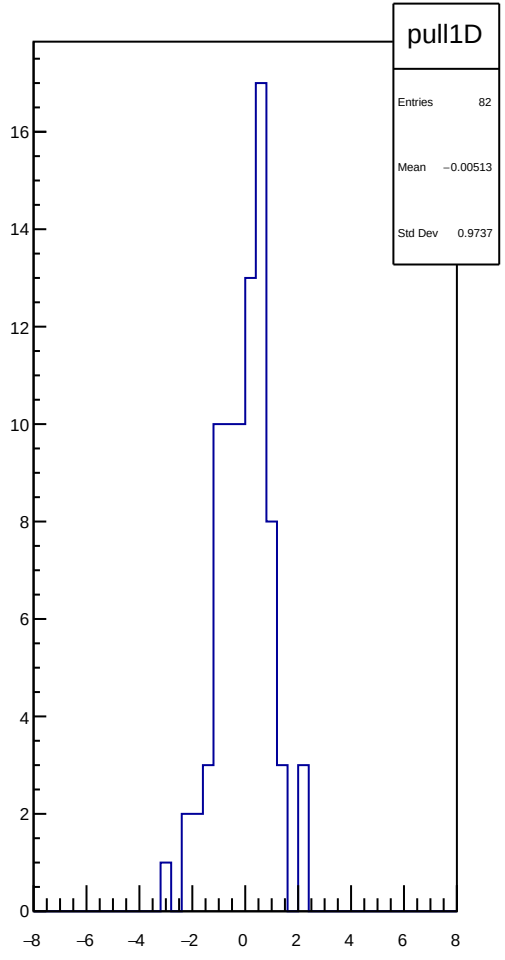

eigen_cor_asym_usr_rms vs run
χ^2 / ndf 160 / 81
p0 1076 ± 0.8553
1140
1120
1100
1080
1060
1040

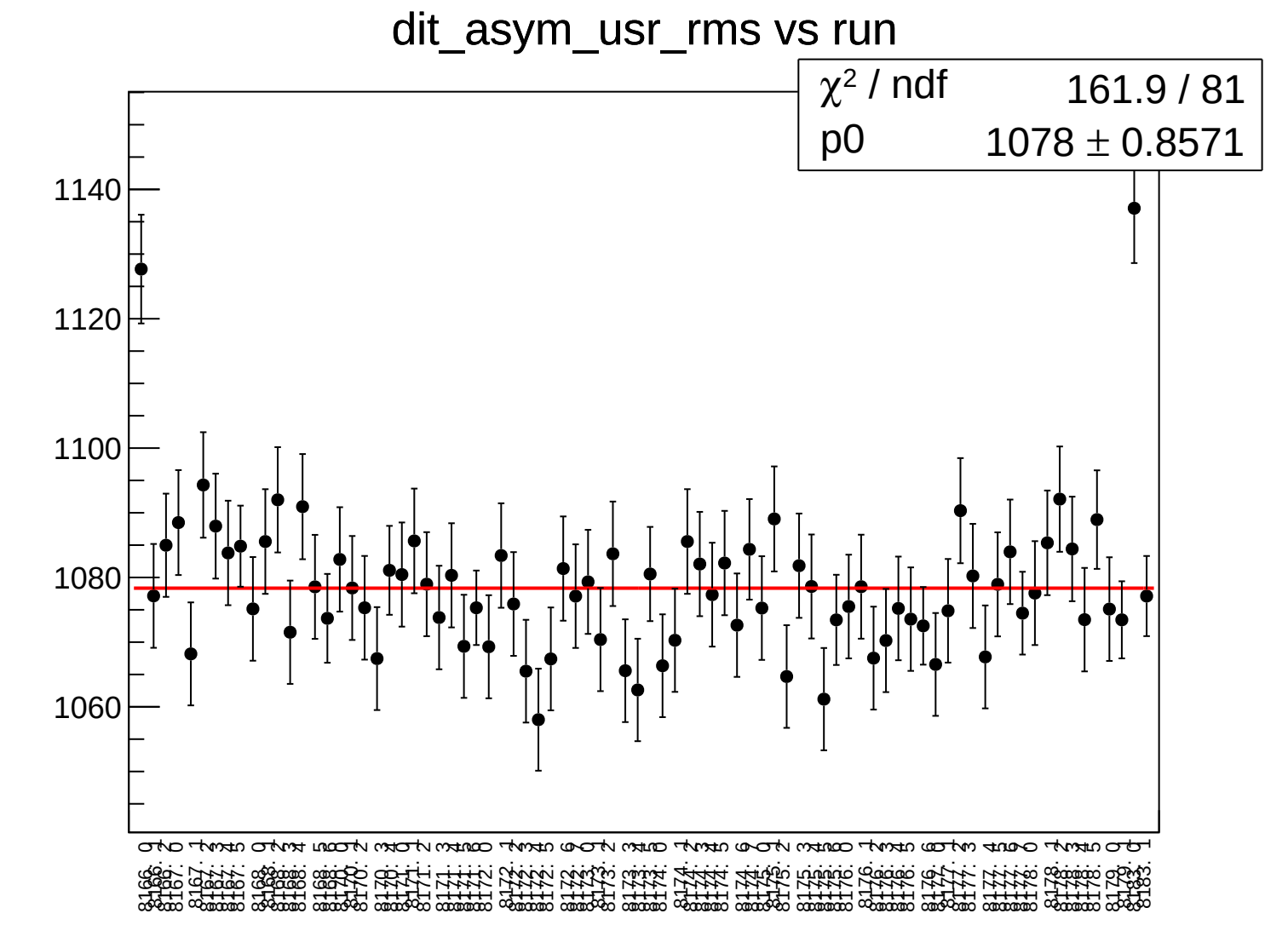

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 93.97 / 81
p0 1617 ± 2788
pull
Entries 82
Mean 1603
Std Dev 0

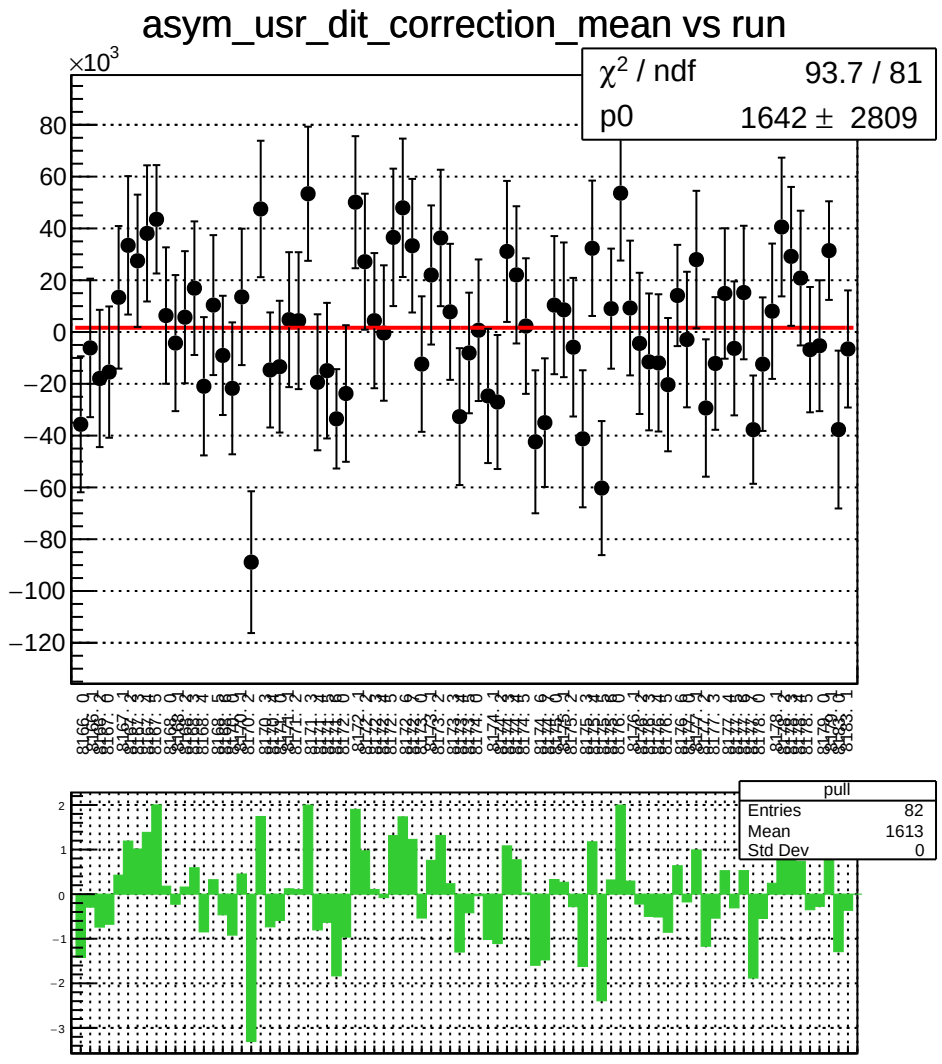

pull1D
Entries 82
Mean −0.0005863
Std Dev 1.07

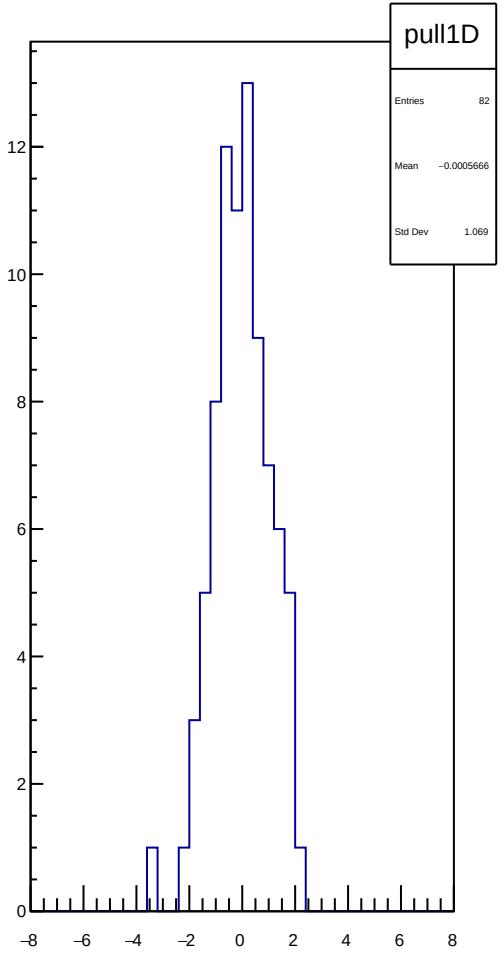

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 1510 / 81
p0 2479 ± 1.971
2900
2800
2700
2600
2500
2400
2300

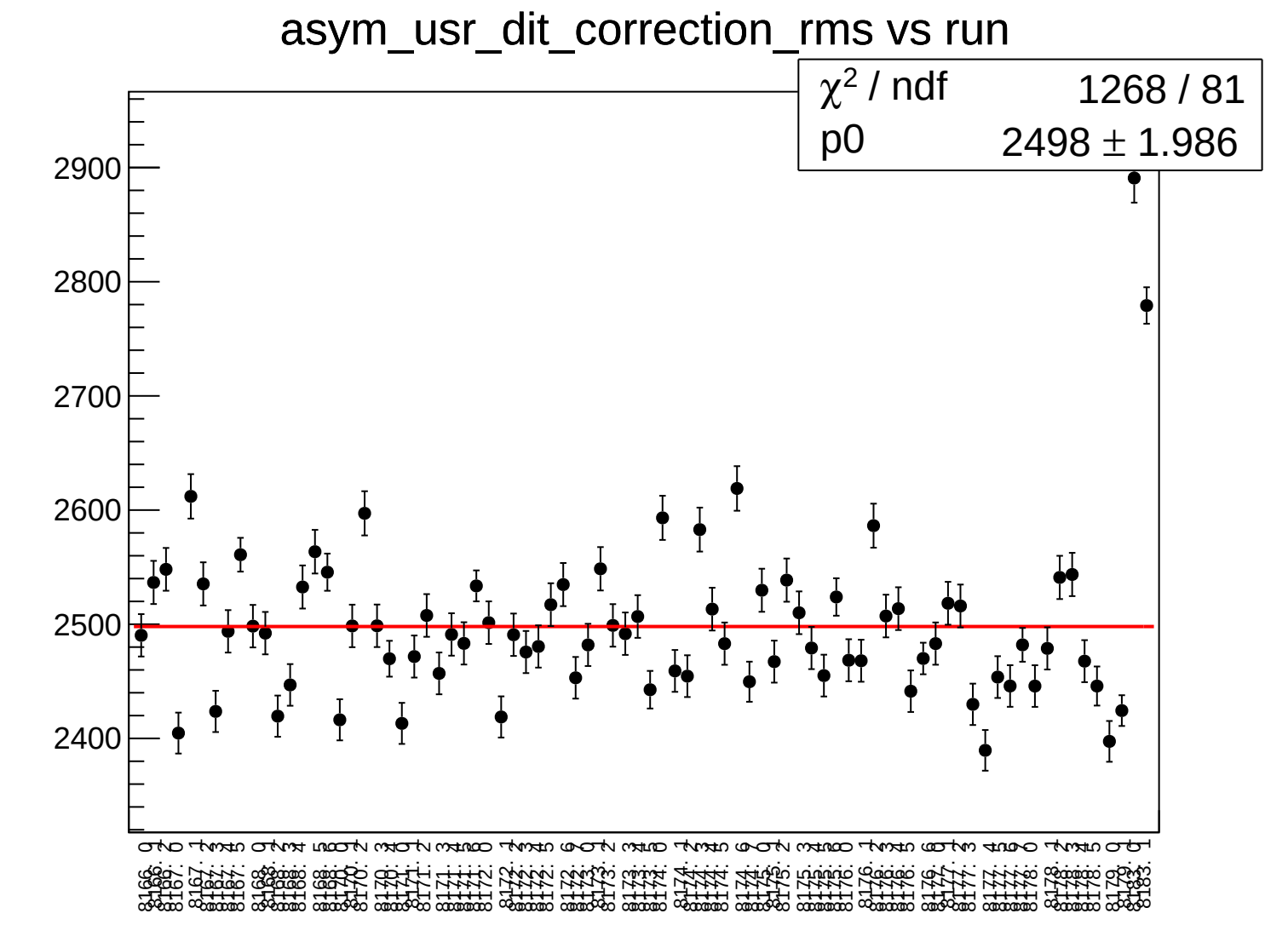

dit_asym_usr_mean vs run
χ² / ndf 77.74 / 81
p0 1630 ± 1212
pull
Entries 82
Mean 65.93
Std Dev 55.22

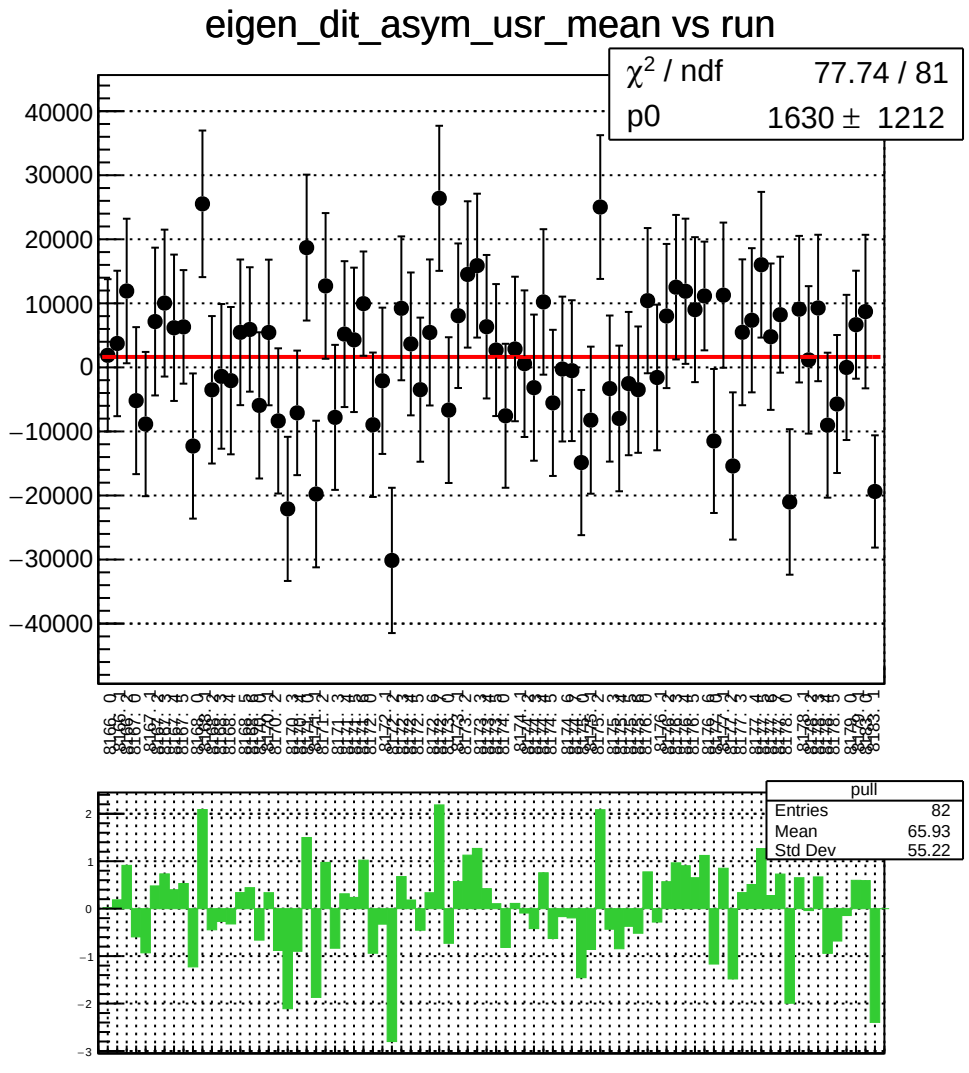

pull1D
Entries 82
Mean −0.00513
Std Dev 0.9737

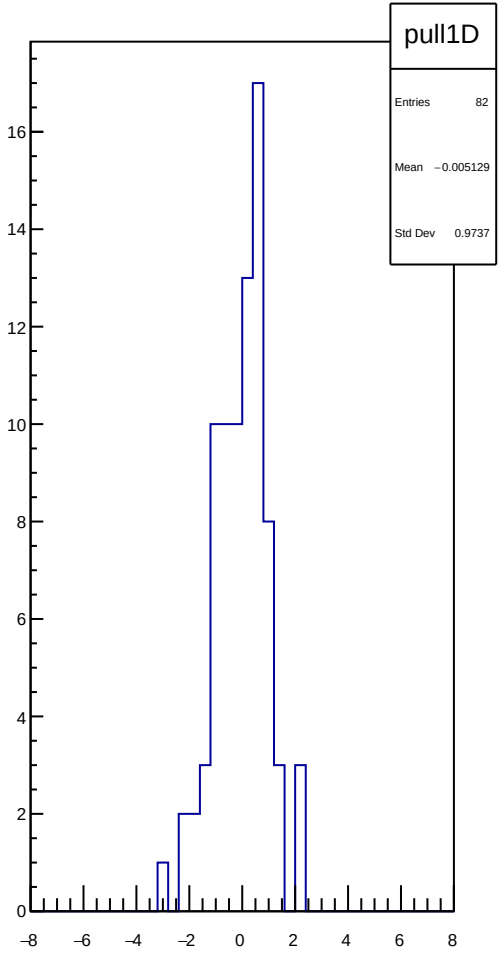

dit_asym_usr_rms vs run
χ² / ndf 161.9 / 81
p0 1078 ± 0.8571
1140
1120
1100
1080
1060

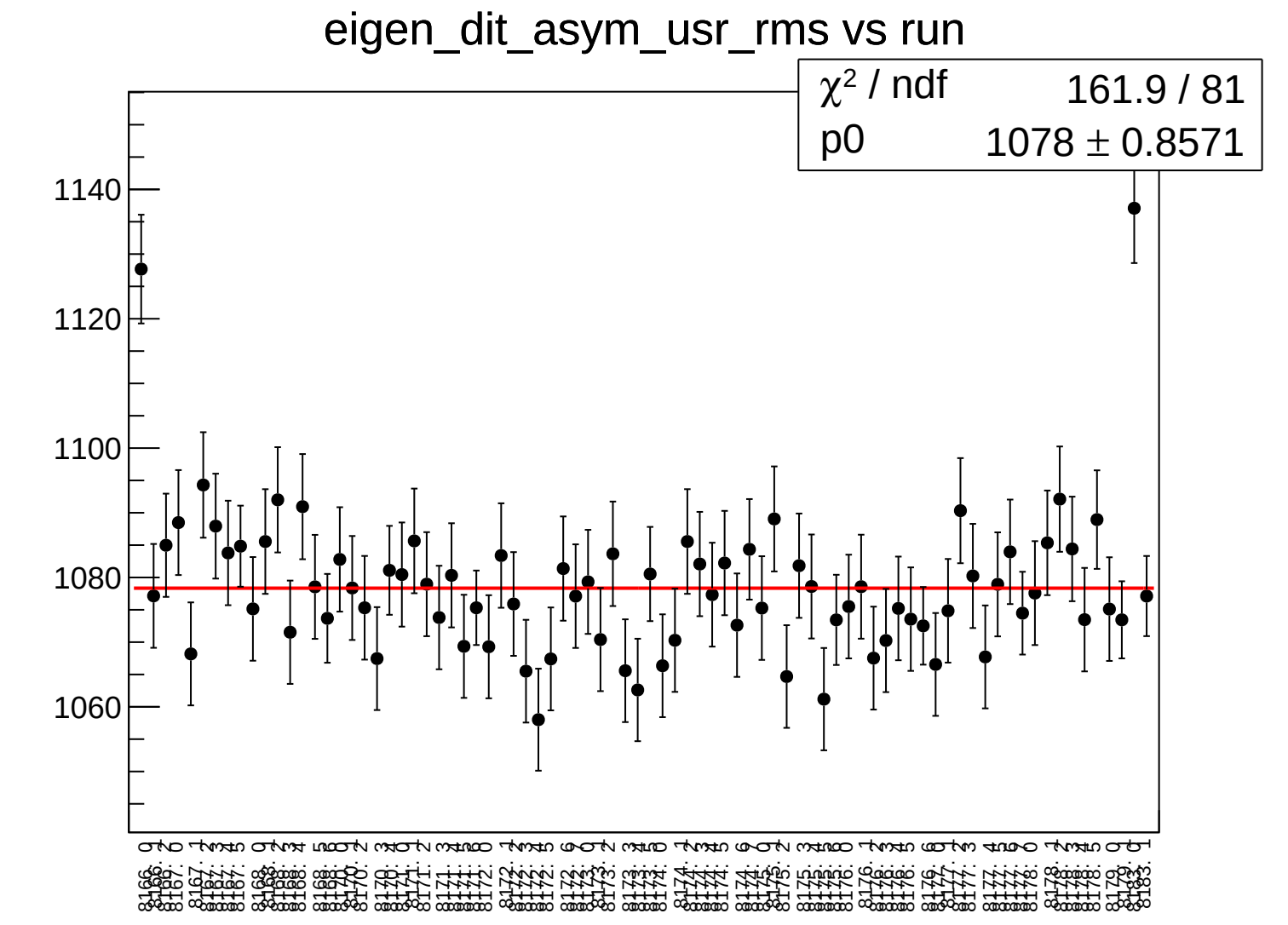

asym_usr_dit_correction_mean vs run
×10^3
χ^2 / ndf 93.7 / 81
p0 1642 ± 2809
pull
Entries 82
Mean 1613
Std Dev 0

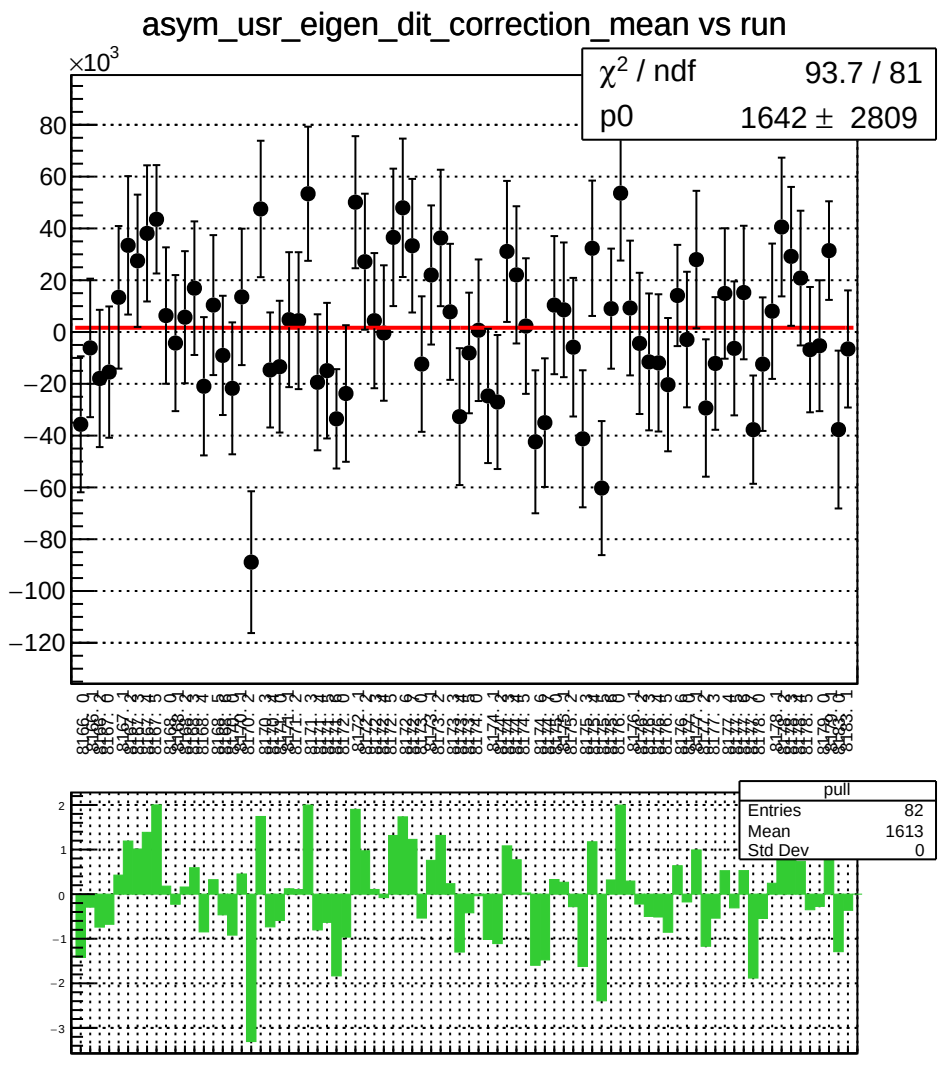

pull1D
Entries 82
Mean −0.0005666
Std Dev 1.069

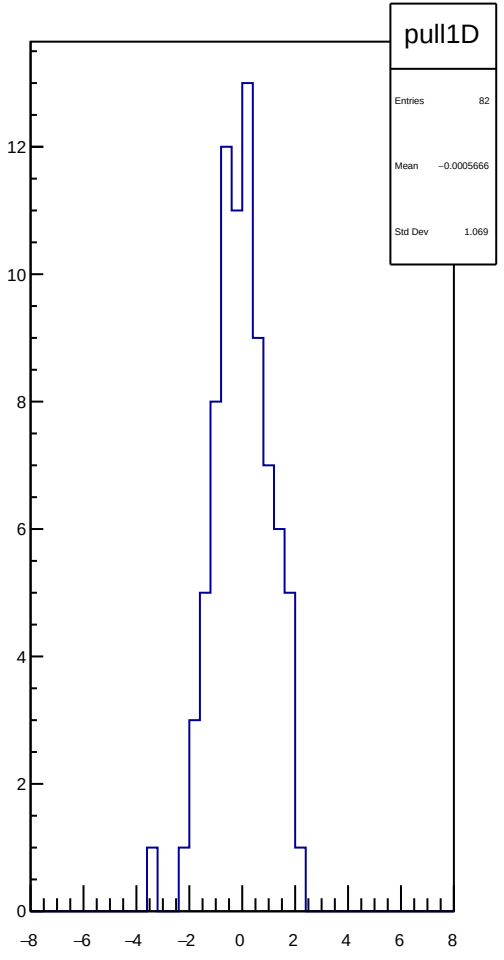

asym_usr_dit_correction_rms vs run
χ² / ndf 1268 / 81
p0 2498 ± 1.986
2900
2800
2700
2600
2500
2400

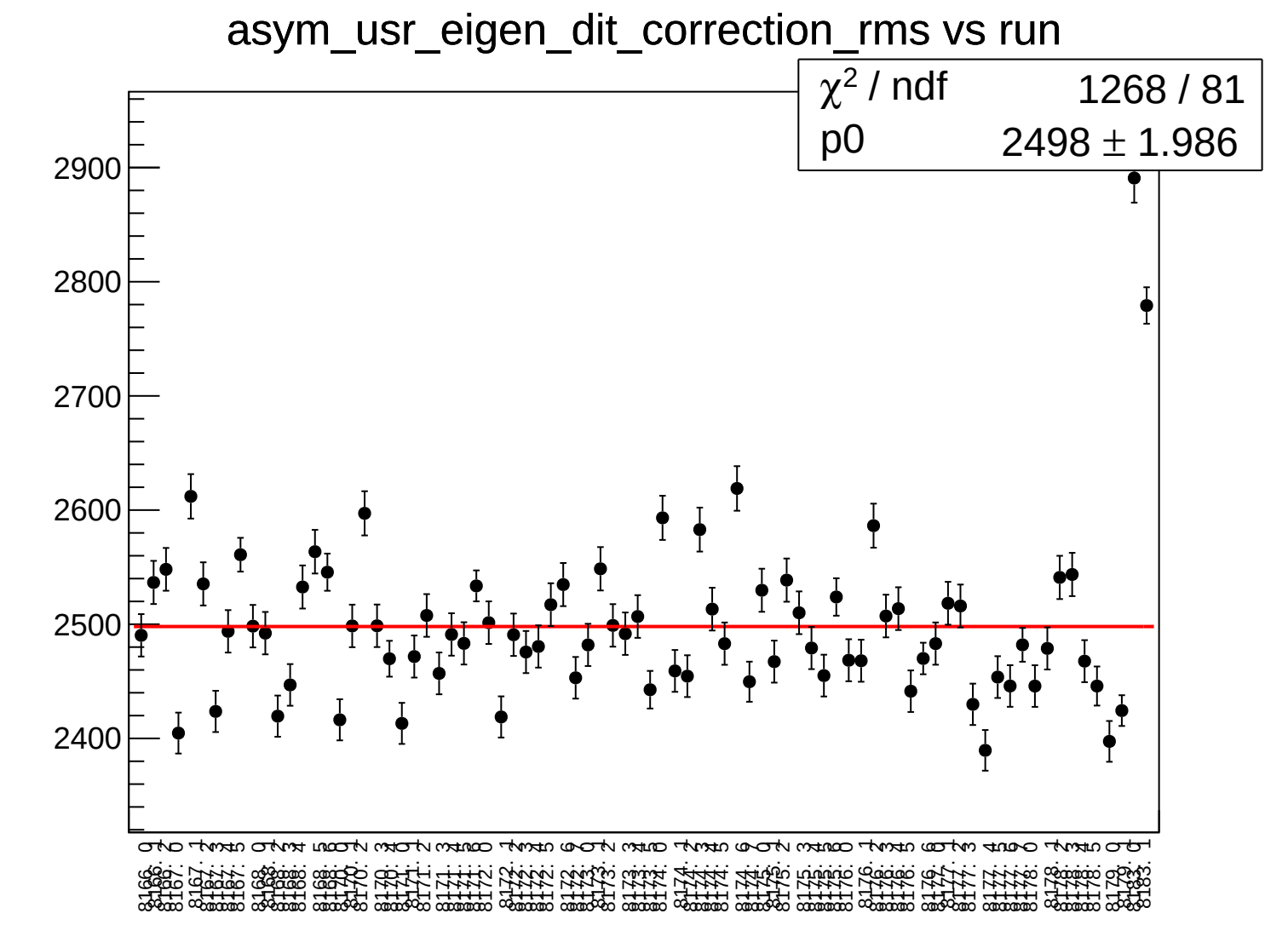

eigen_dit_asym_usr_mean vs run
χ² / ndf 77.74 / 81
p0 1630 ± 1212
pull
Entries 82
Mean 65.93
Std Dev 55.22

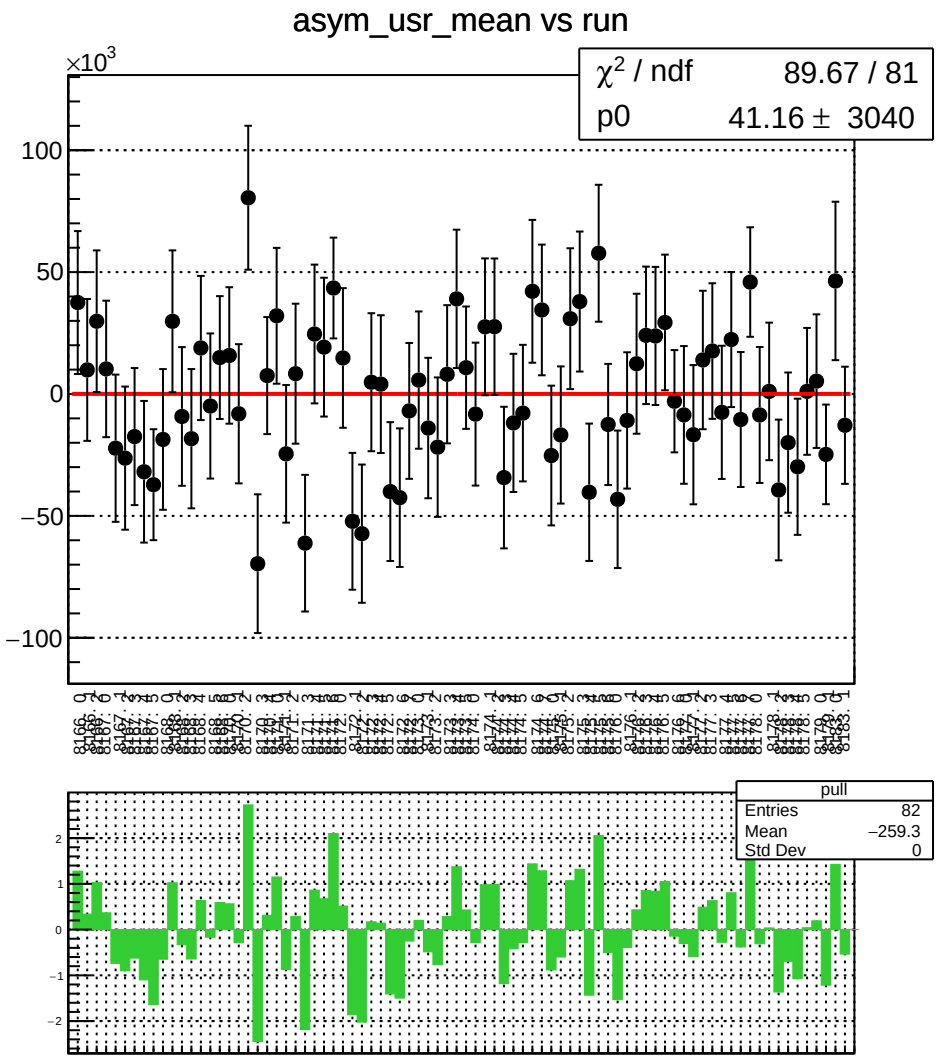

pull1D
Entries 82
Mean −0.005129
Std Dev 0.9737

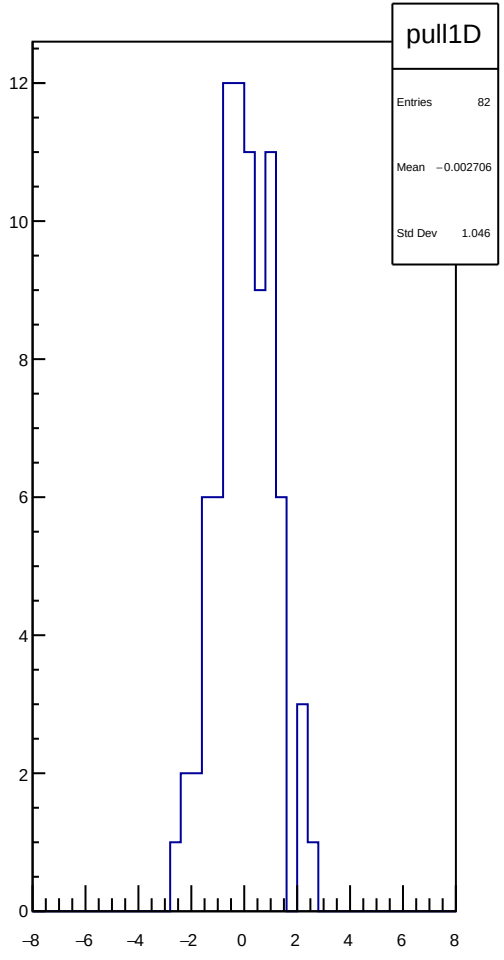

eigen_dit_asym_usr_rms vs run
χ^2 / ndf 161.9 / 81
p0 1078 ± 0.8571
1140
1120
1100
1080
1060

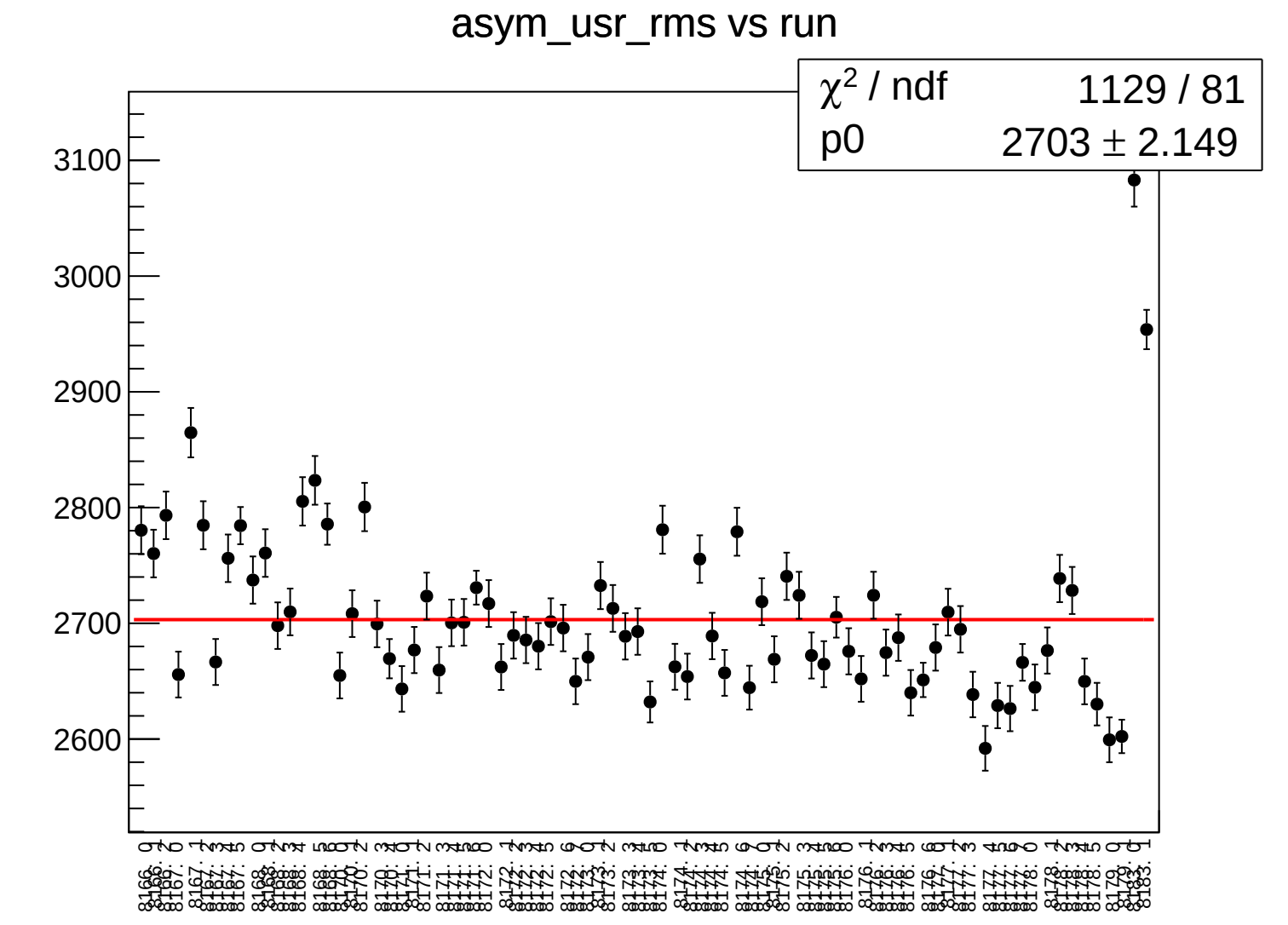

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 93.7 / 81
p0 1642 ± 2809
pull
Entries 82
Mean 1613
Std Dev 0

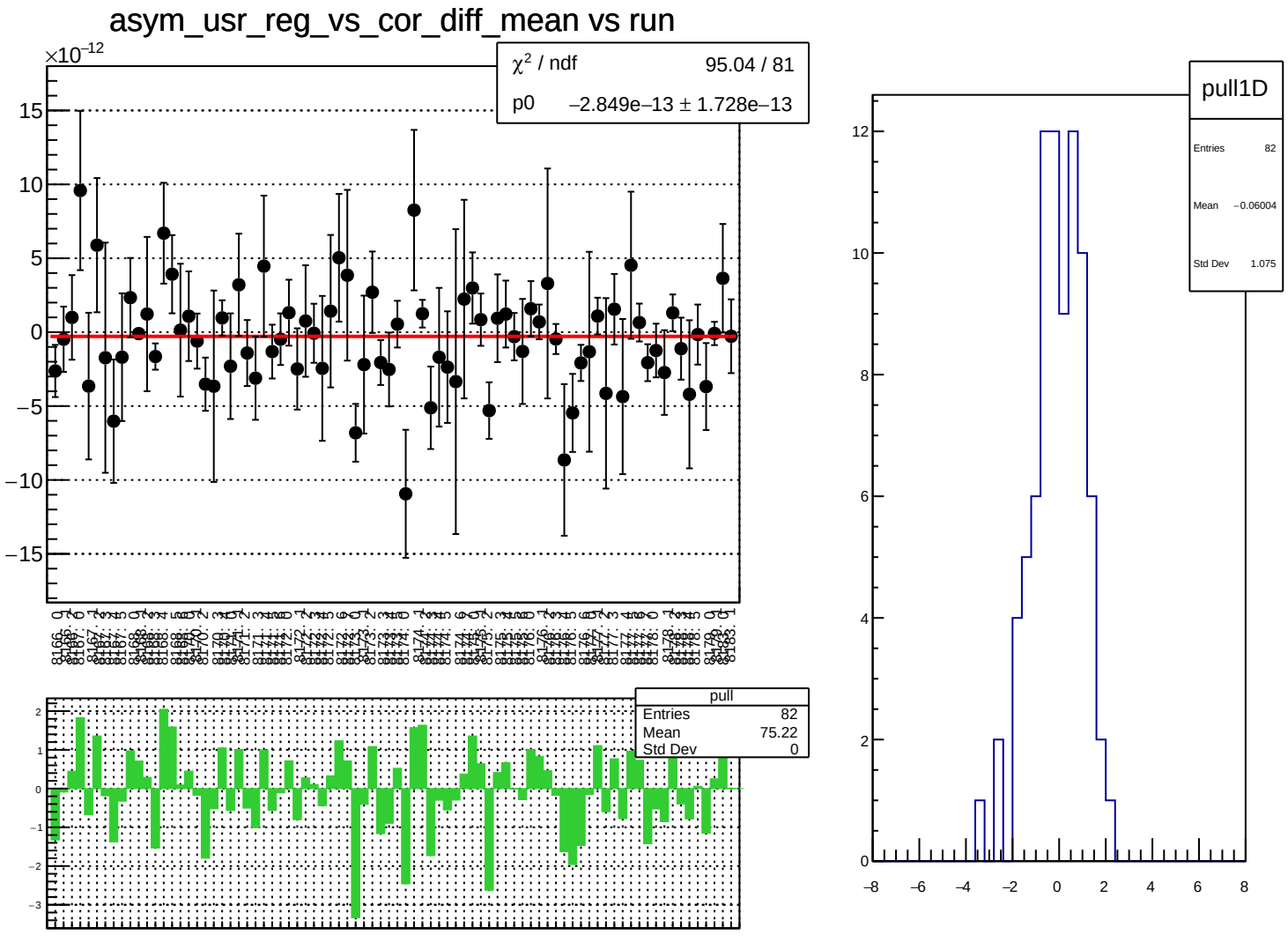

pull1D
Entries 82
Mean −0.0005666
Std Dev 1.069

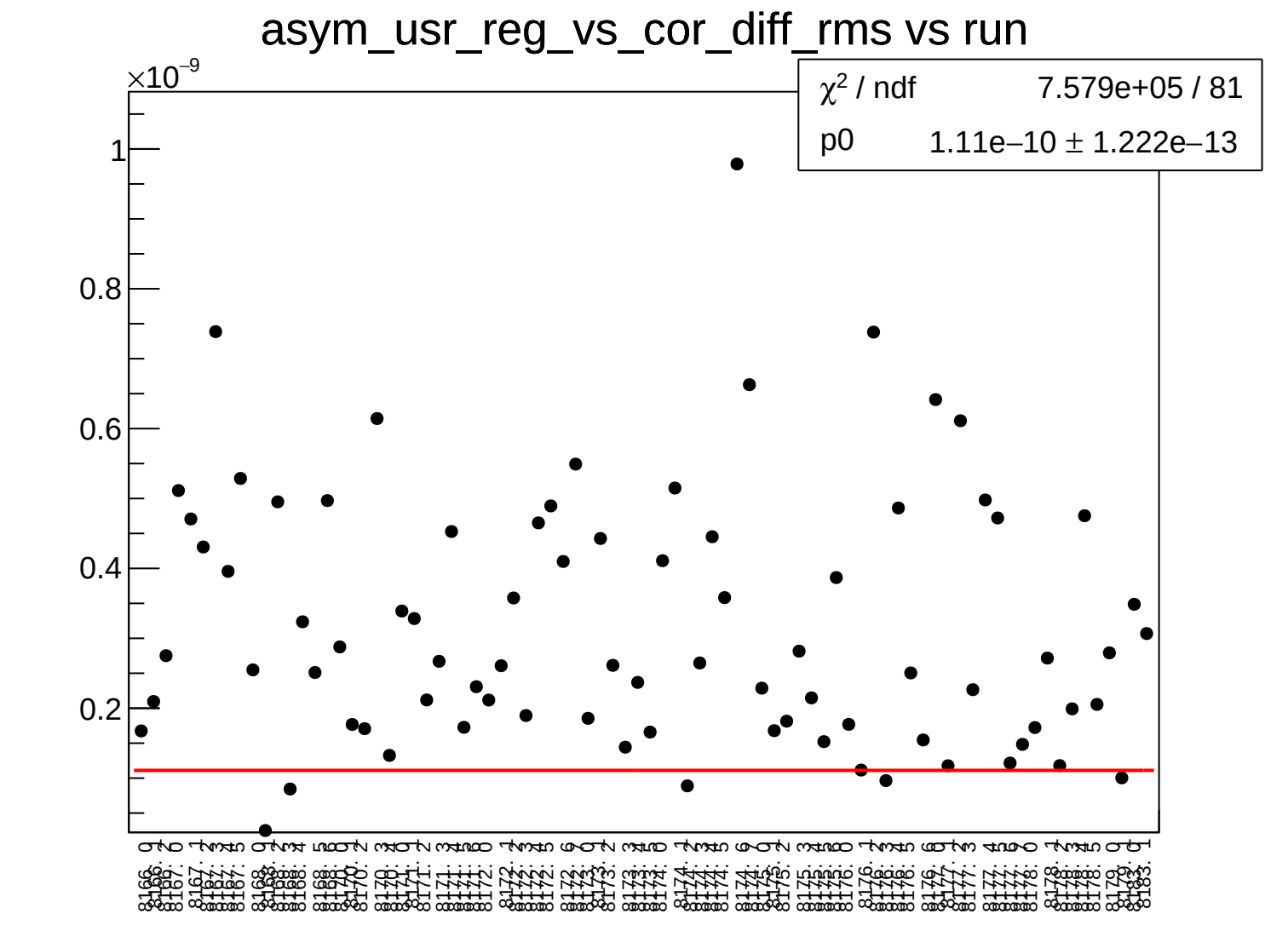

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 1268 / 81
p0 2498 ± 1.986
2900
2800
2700
2600
2500
2400

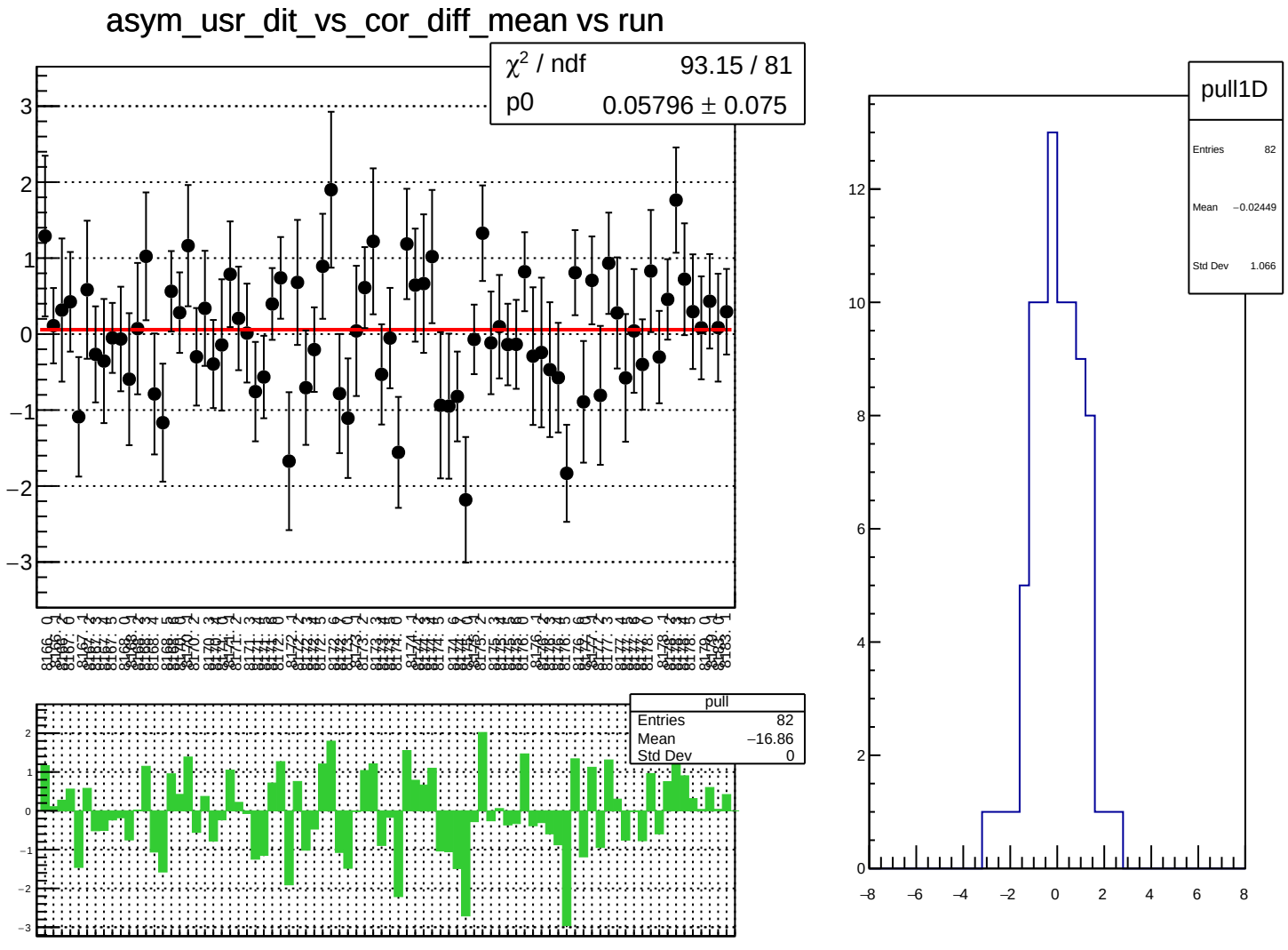

asym_usr_mean vs run
×10^3
χ^2 / ndf 89.67 / 81
p0 41.16 ± 3040
100
50
0
−50
−100
pull
Entries 82
Mean −259.3
Std Dev 0
2
1
0
−1
−2

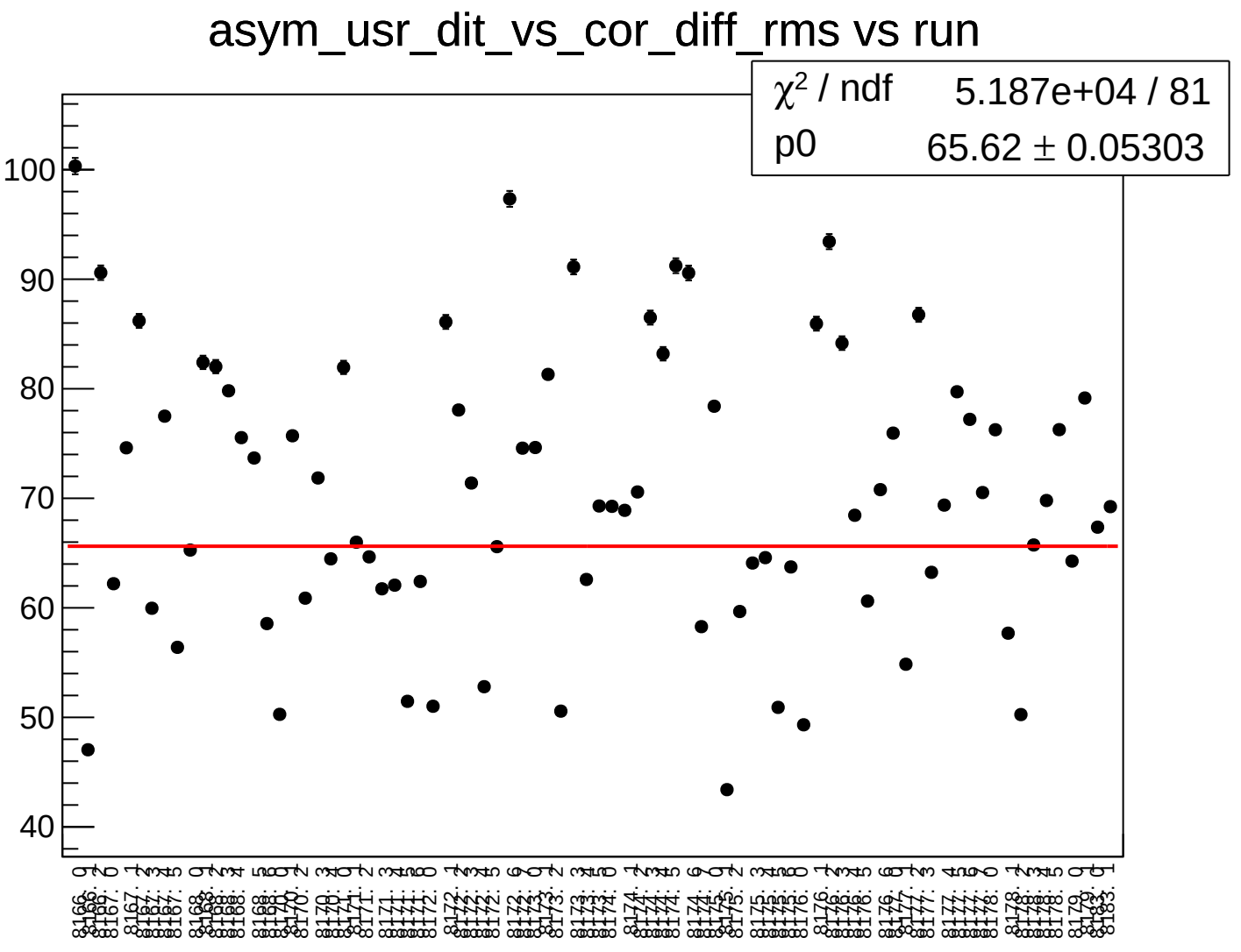

pull1D
Entries 82
Mean −0.002706
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

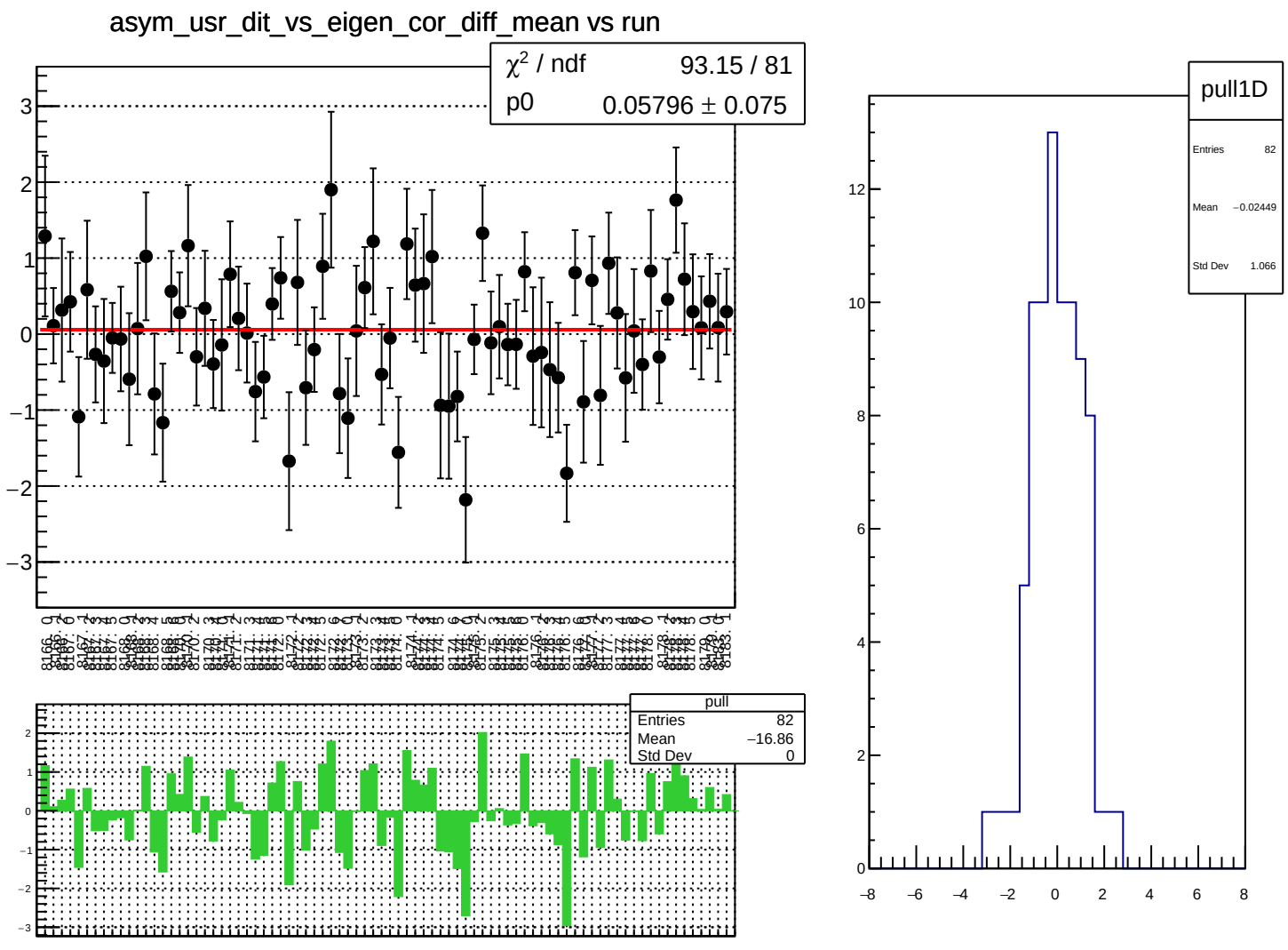

asym_usr_rms vs run
χ^2 / ndf 1129 / 81
p0 2703 ± 2.149
3100
3000
2900
2800
2700
2600

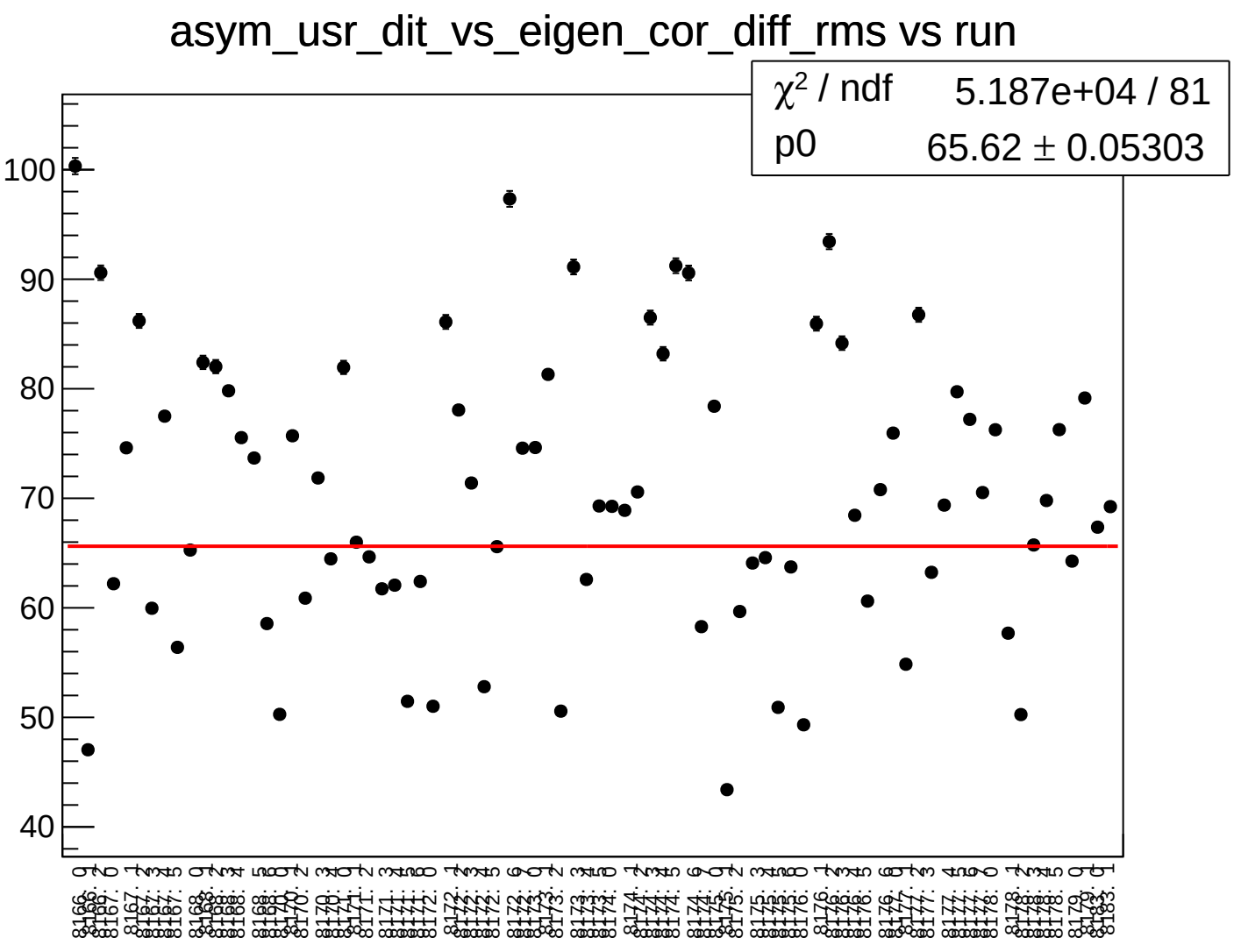

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 95.04 / 81
p0 −2.849e−13 ± 1.728e−13
pull
Entries 82
Mean 75.22
Std Dev 0
pull1D
Entries 82
Mean −0.06004
Std Dev 1.075

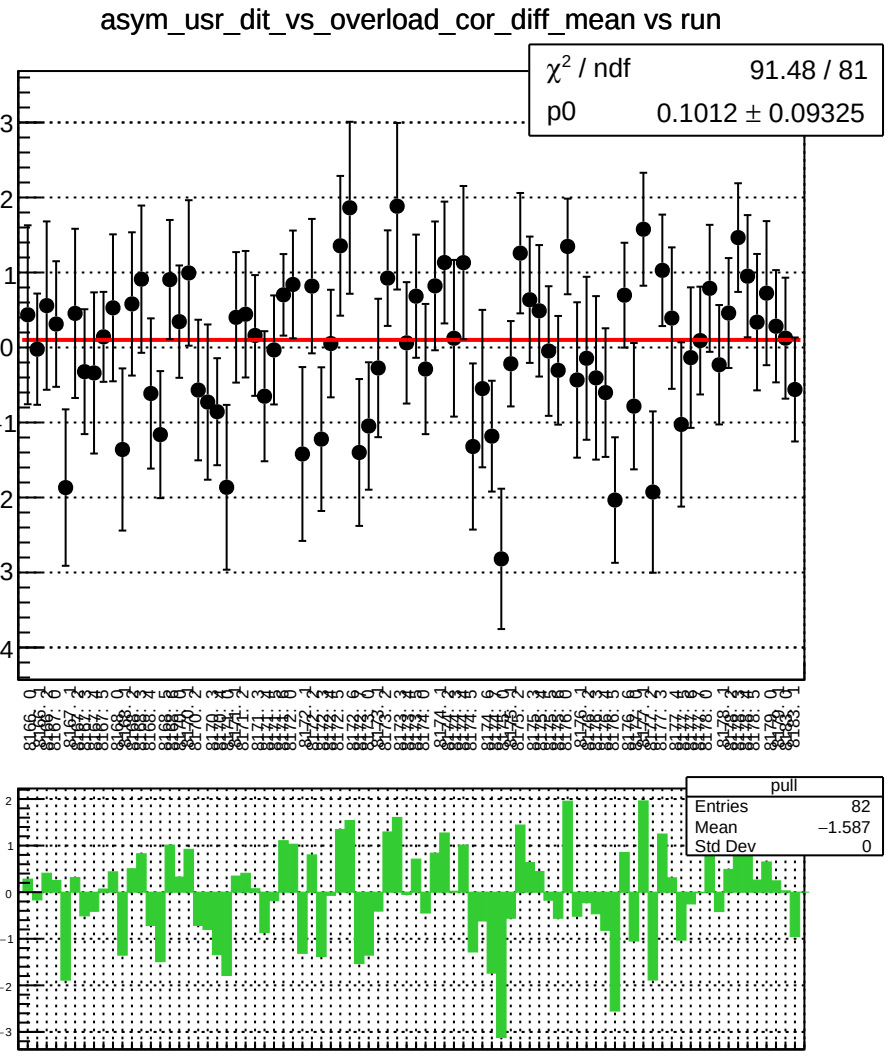

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.579e+05 / 81
p0 1.11e−10 ± 1.222e−13
1
0.8
0.6
0.4
0.2

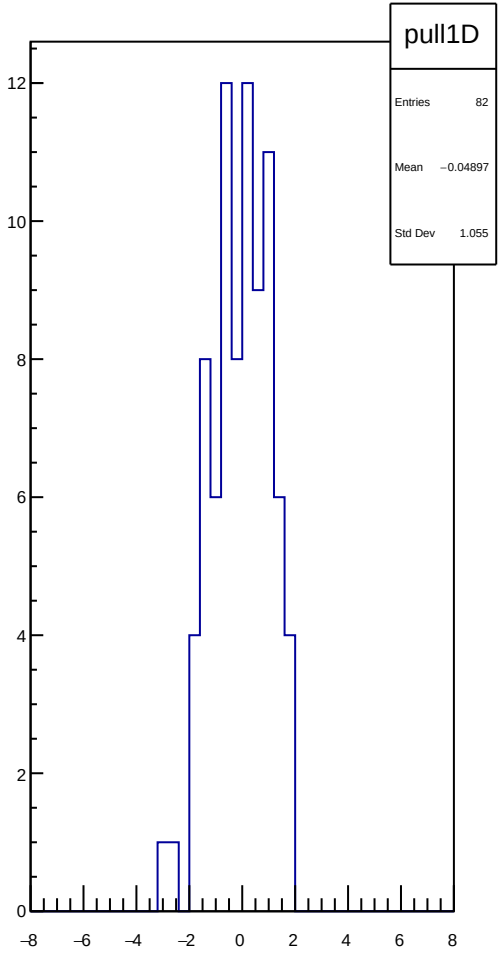

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 93.15 / 81
p0 0.05796 ± 0.075
pull
Entries 82
Mean −16.86
Std Dev 0
pull1D
Entries 82
Mean −0.02449
Std Dev 1.066

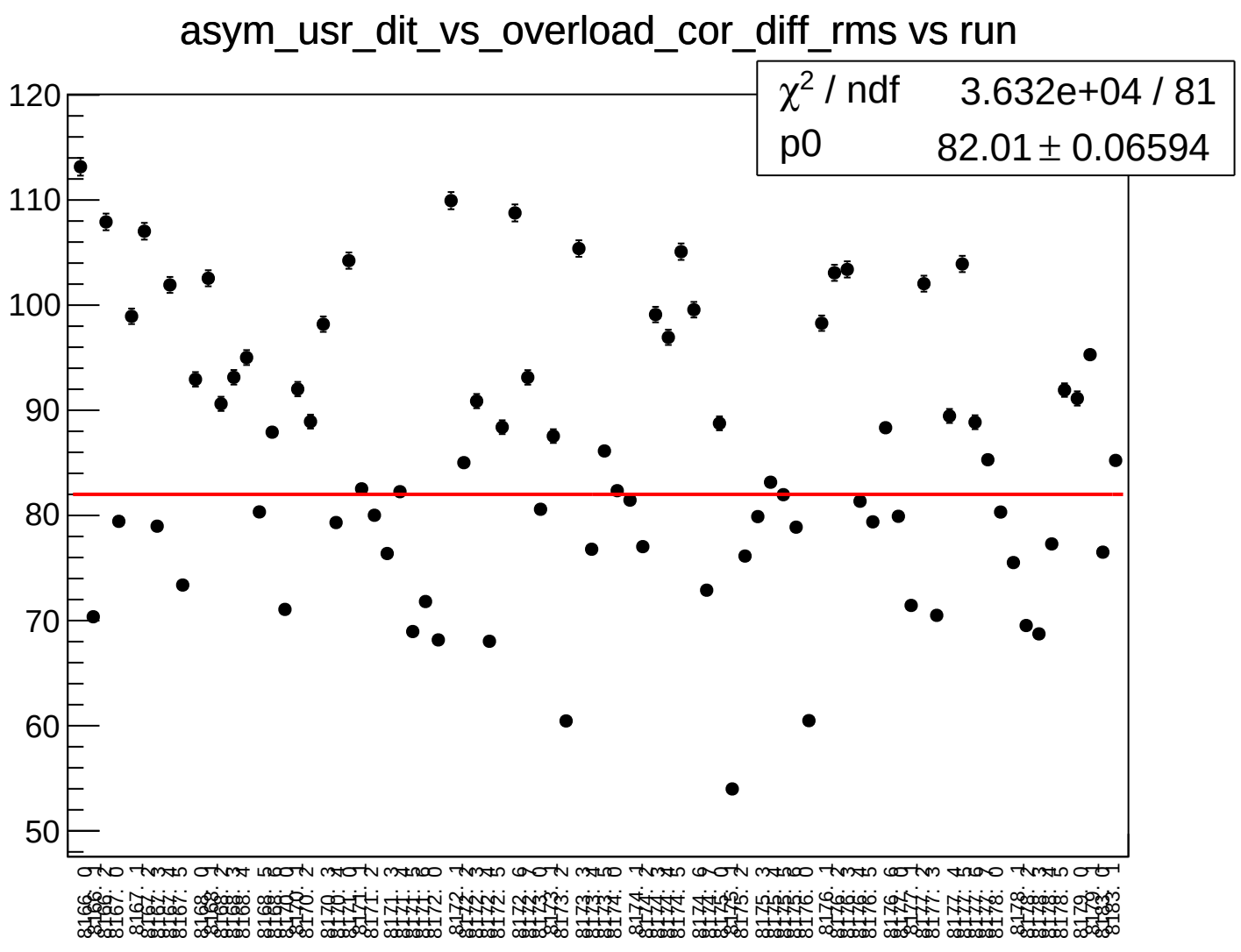

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 5.187e+04 / 81
p0 65.62 ± 0.05303
100
90
80
70
60
50
40

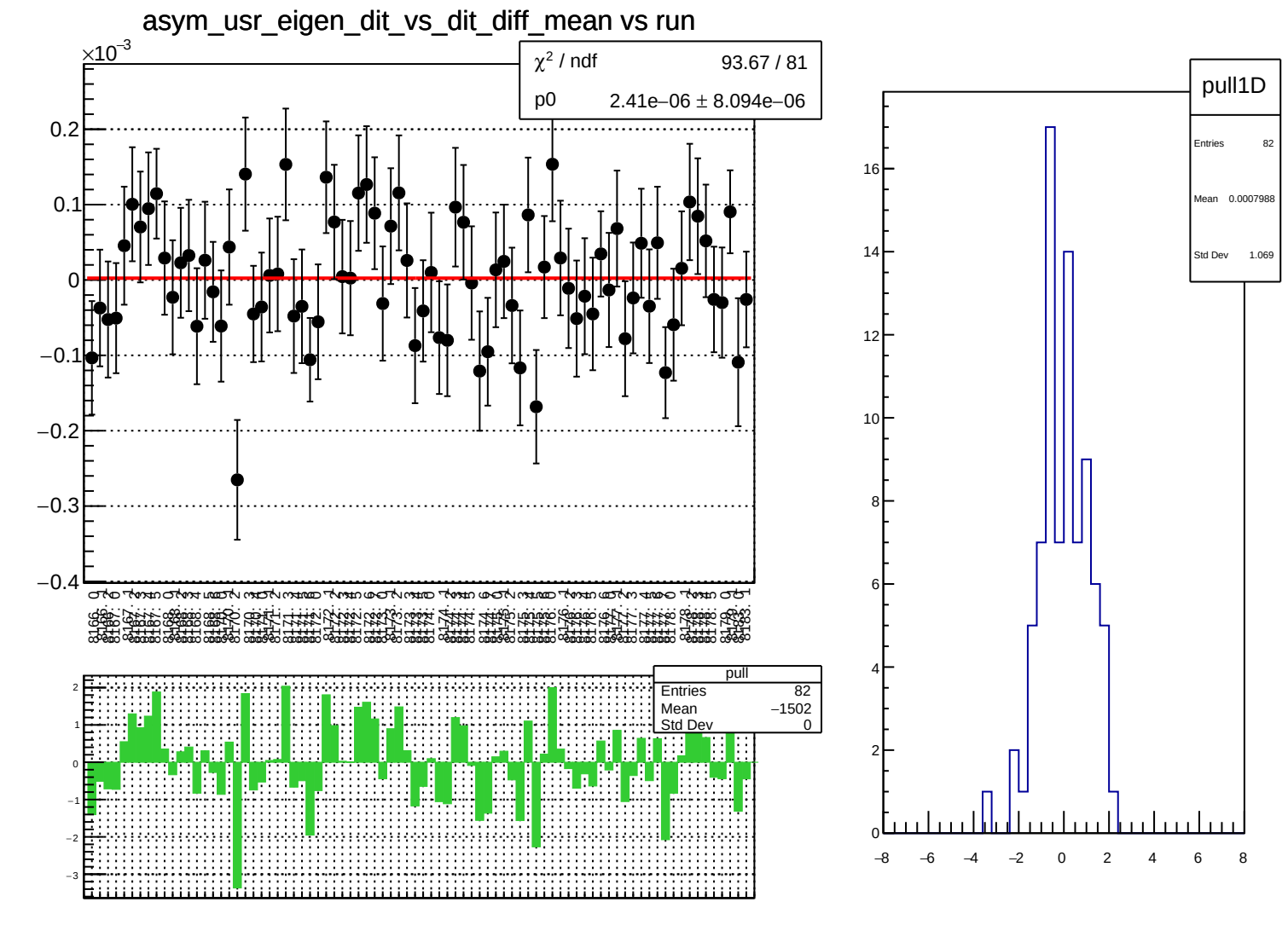

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.15 / 81
p0 0.05796 ± 0.075
pull
Entries 82
Mean −16.86
Std Dev 0
pull1D
Entries 82
Mean −0.02449
Std Dev 1.066

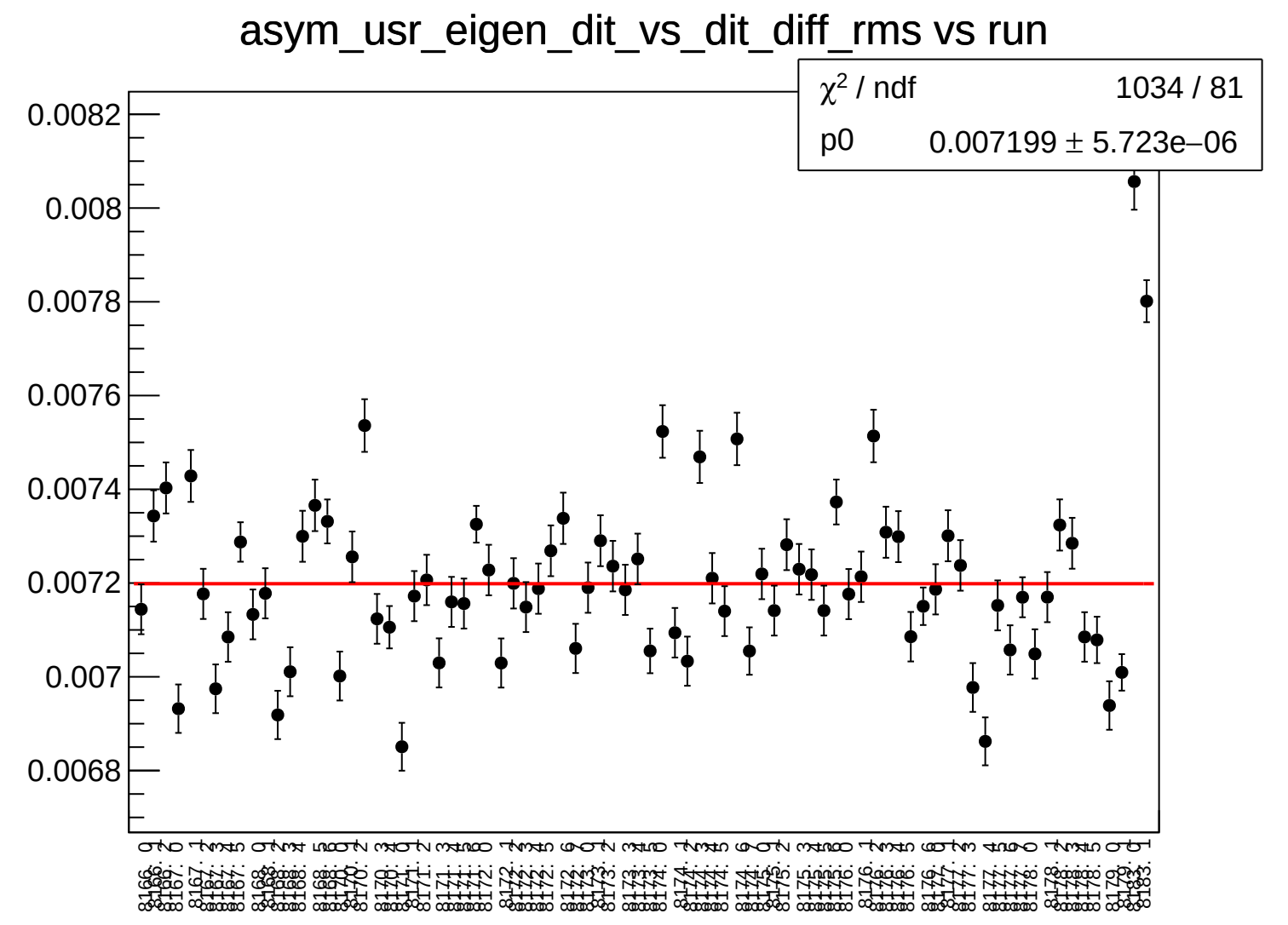

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.187e+04 / 81
p0 65.62 ± 0.05303
100
90
80
70
60
50
40

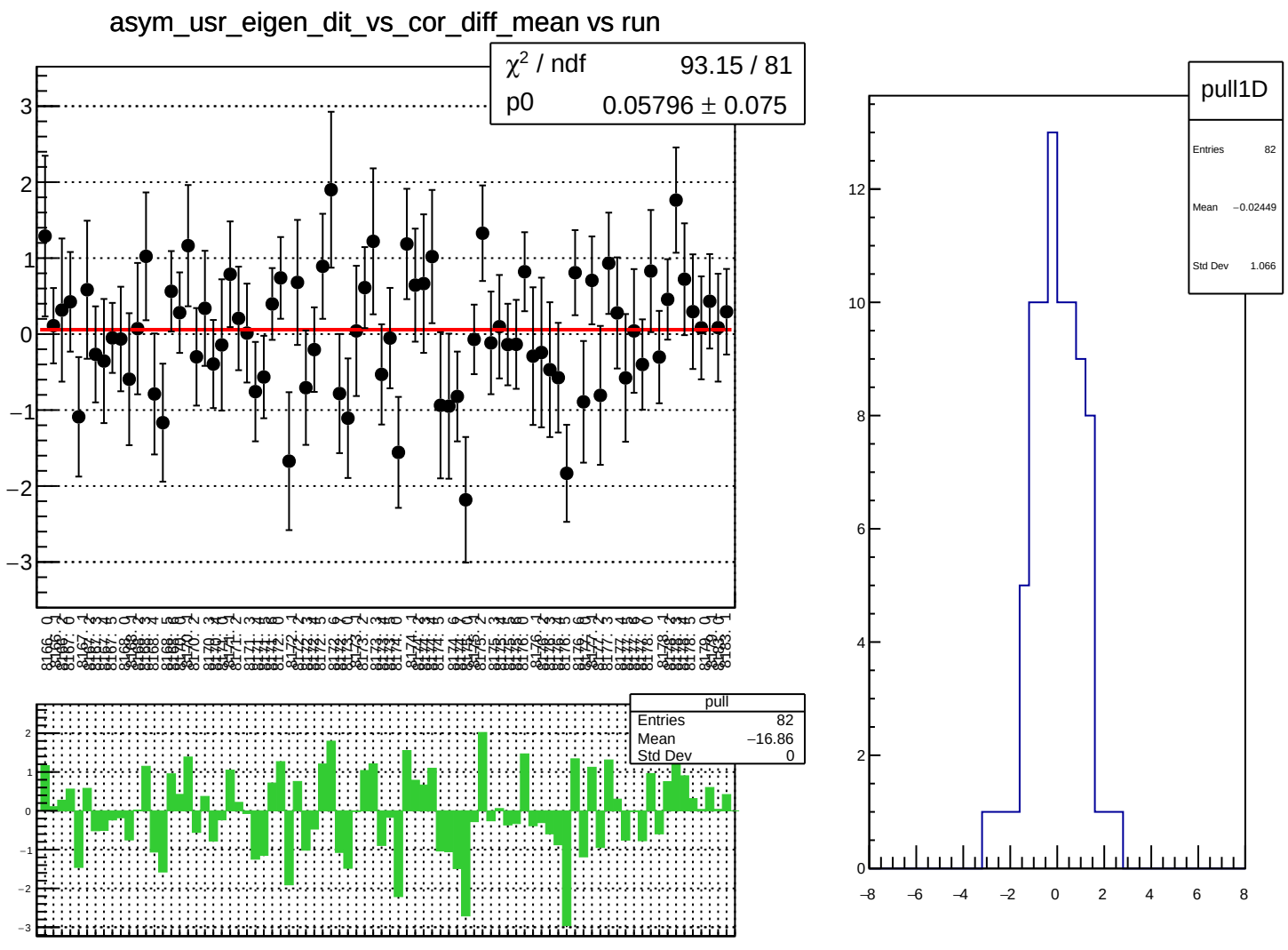

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 91.48 / 81
p0 0.1012 ± 0.09325
pull
Entries 82
Mean −1.587
Std Dev 0

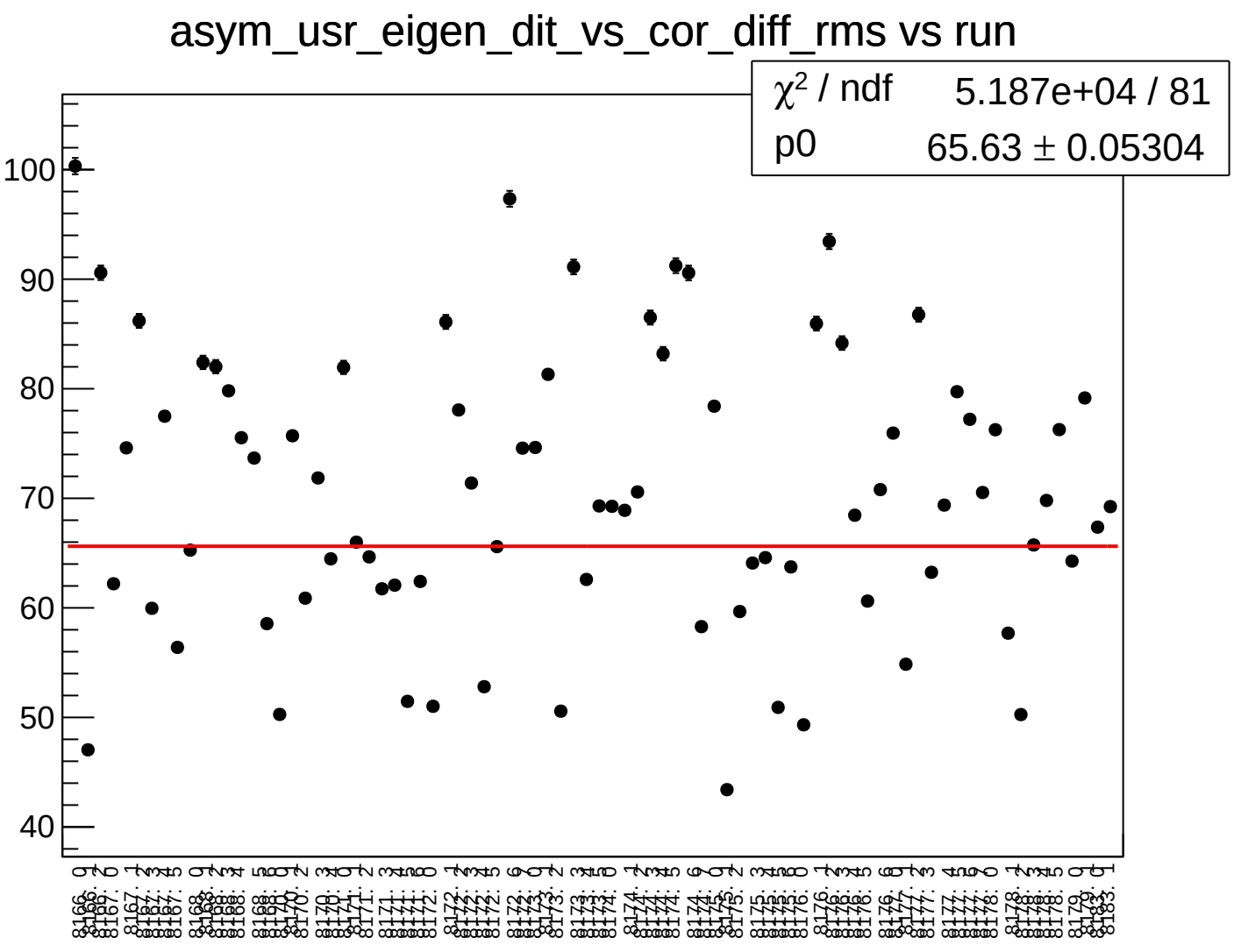

pull1D
Entries 82
Mean −0.04897
Std Dev 1.055

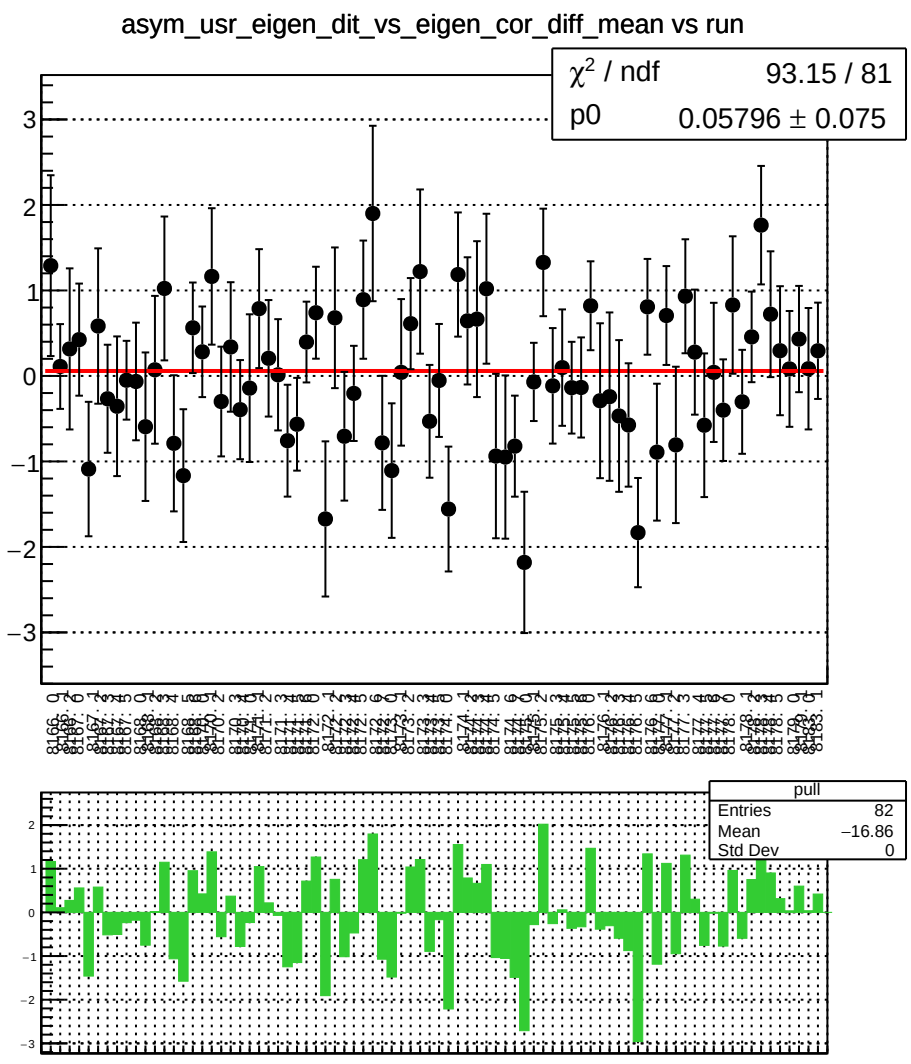

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 3.632e+04 / 81
p0 82.01 ± 0.06594
120
110
100
90
80
70
60
50

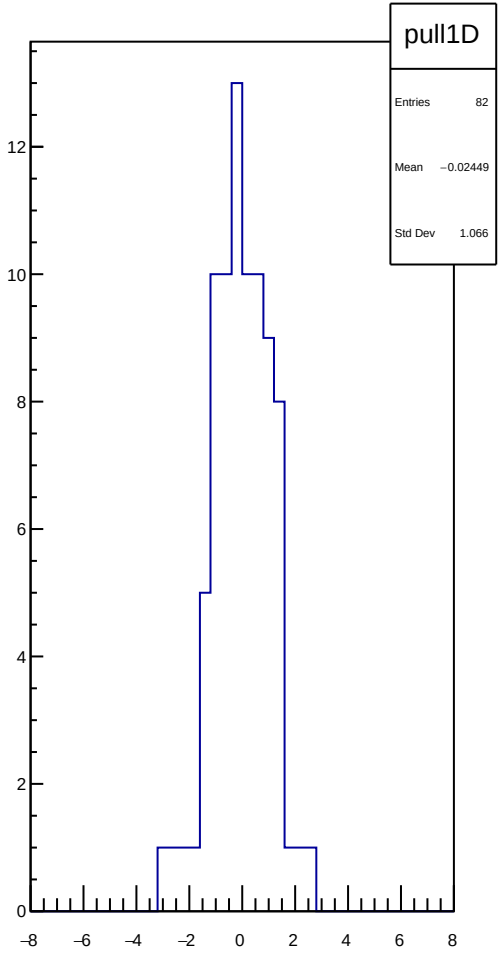

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.67 / 81
p0 2.41e−06 ± 8.094e−06
pull
Entries 82
Mean −1502
Std Dev 0
pull1D
Entries 82
Mean 0.0007988
Std Dev 1.069

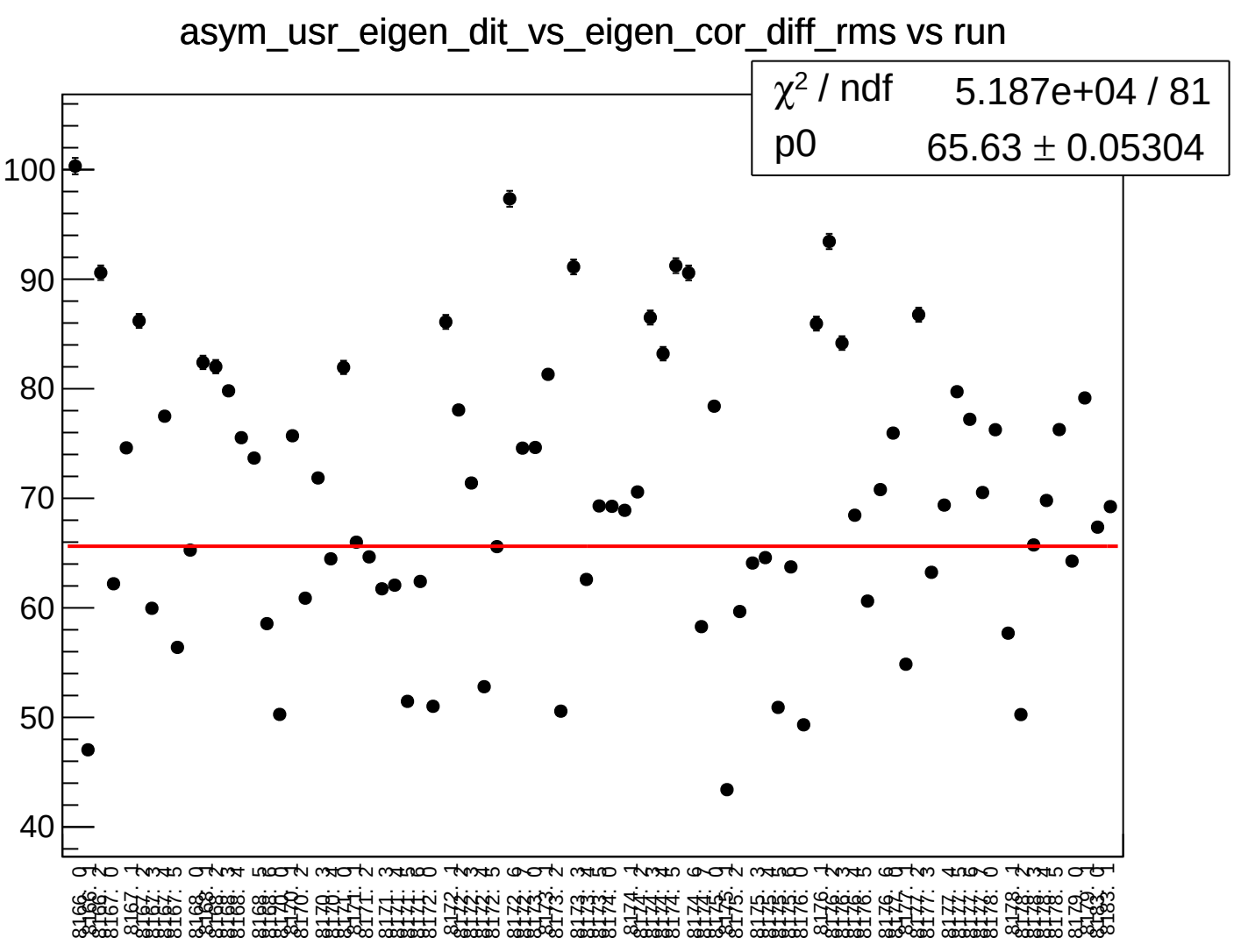

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1034 / 81
p0 0.007199 ± 5.723e−06
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068

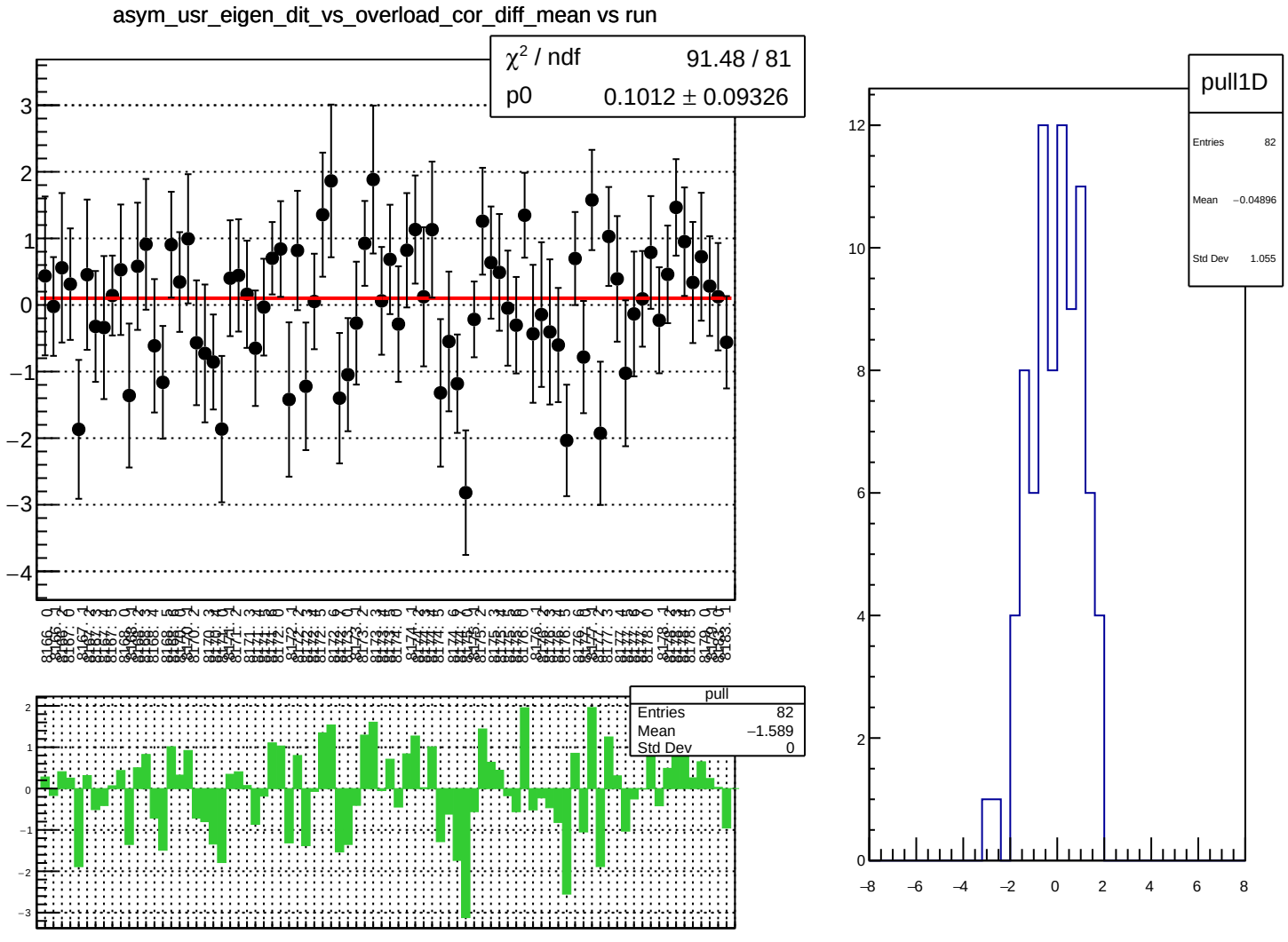

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.15 / 81
p0 0.05796 ± 0.075
pull
Entries 82
Mean −16.86
Std Dev 0
pull1D
Entries 82
Mean −0.02449
Std Dev 1.066

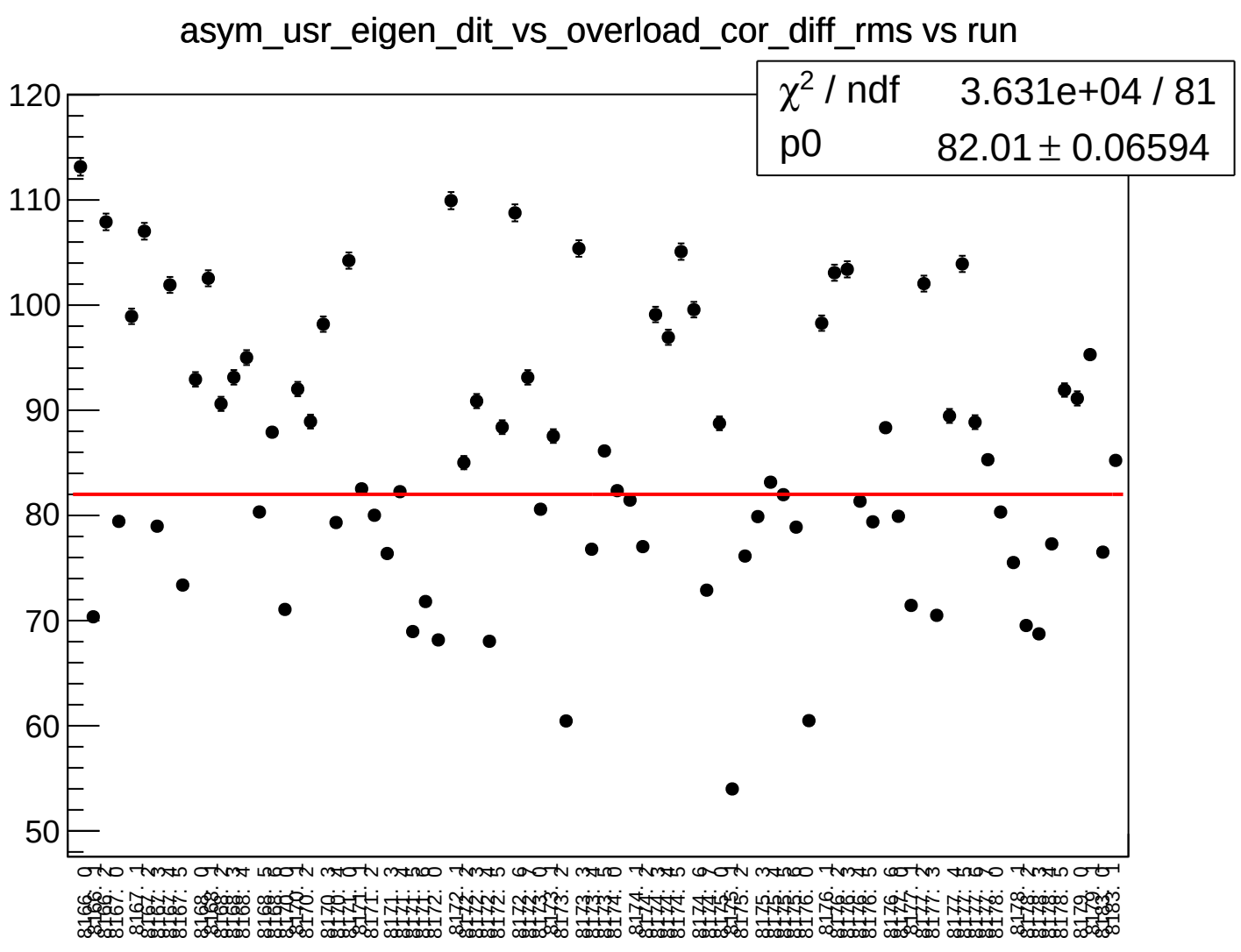

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.187e+04 / 81
p0 65.63 ± 0.05304
100
90
80
70
60
50
40

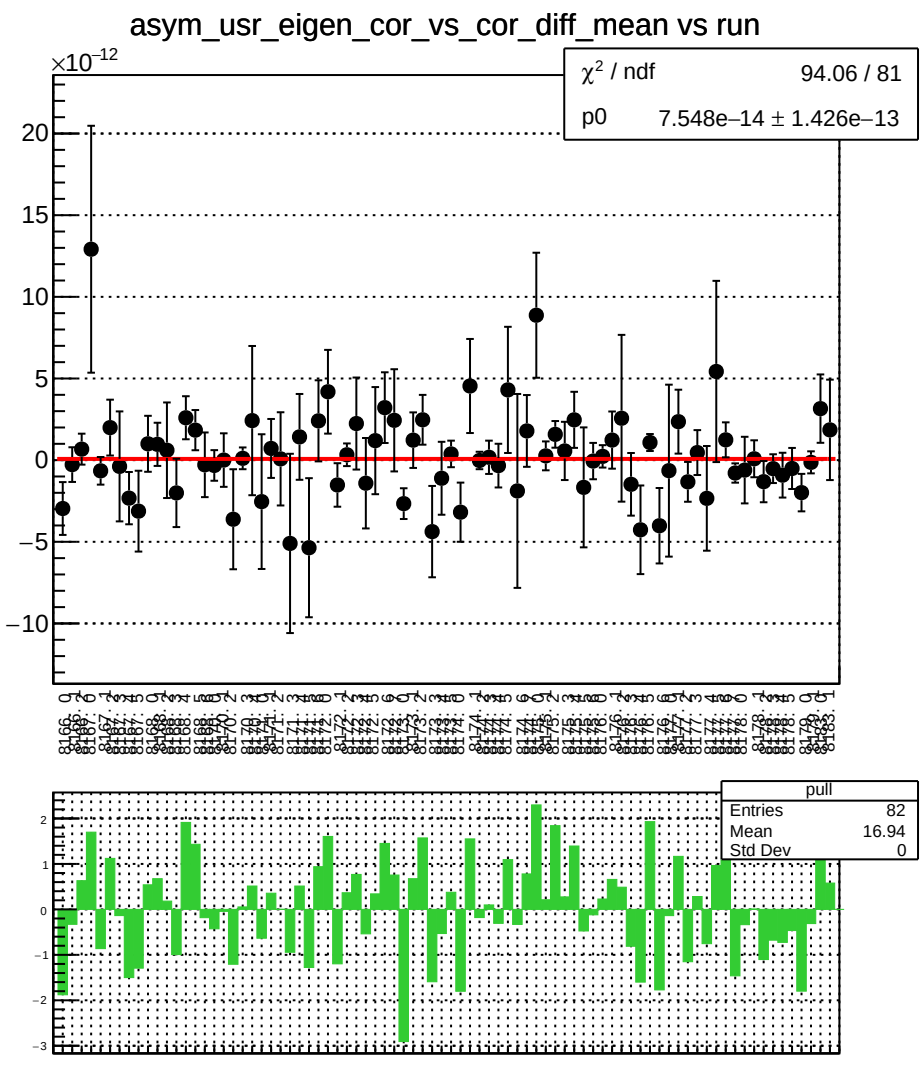

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.15 / 81
p0 0.05796 ± 0.075
pull
Entries 82
Mean −16.86
Std Dev 0

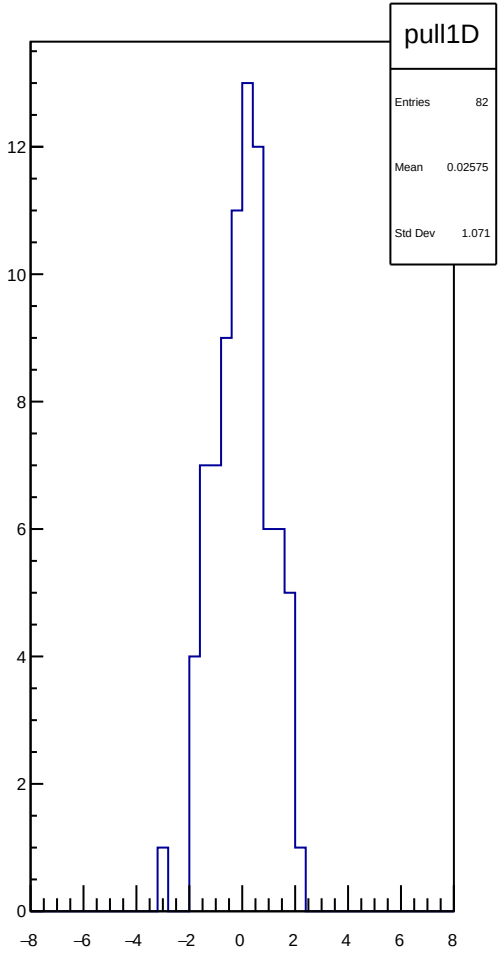

pull1D
Entries 82
Mean −0.02449
Std Dev 1.066

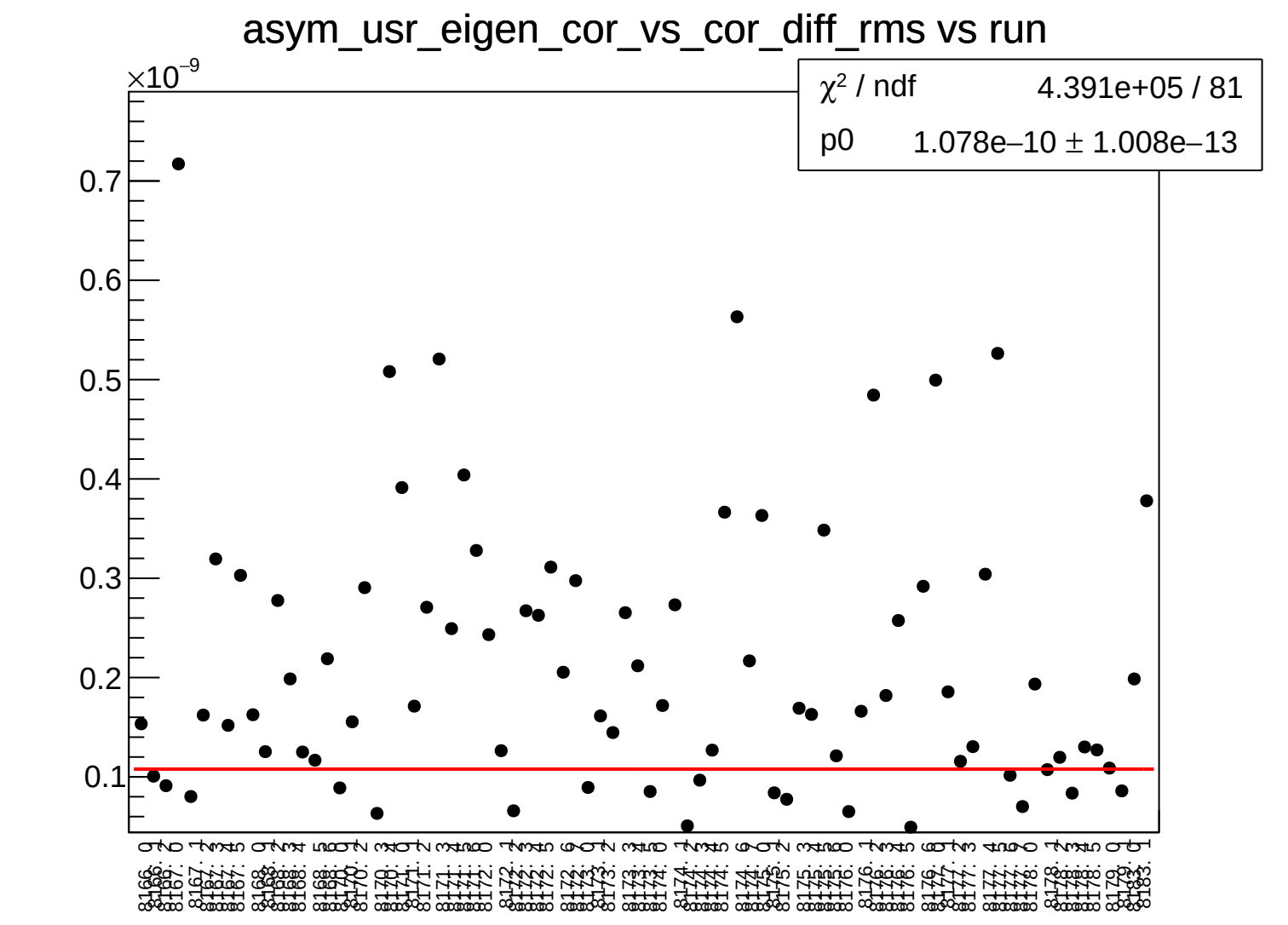

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.187e+04 / 81
p0 65.63 ± 0.05304
100
90
80
70
60
50
40

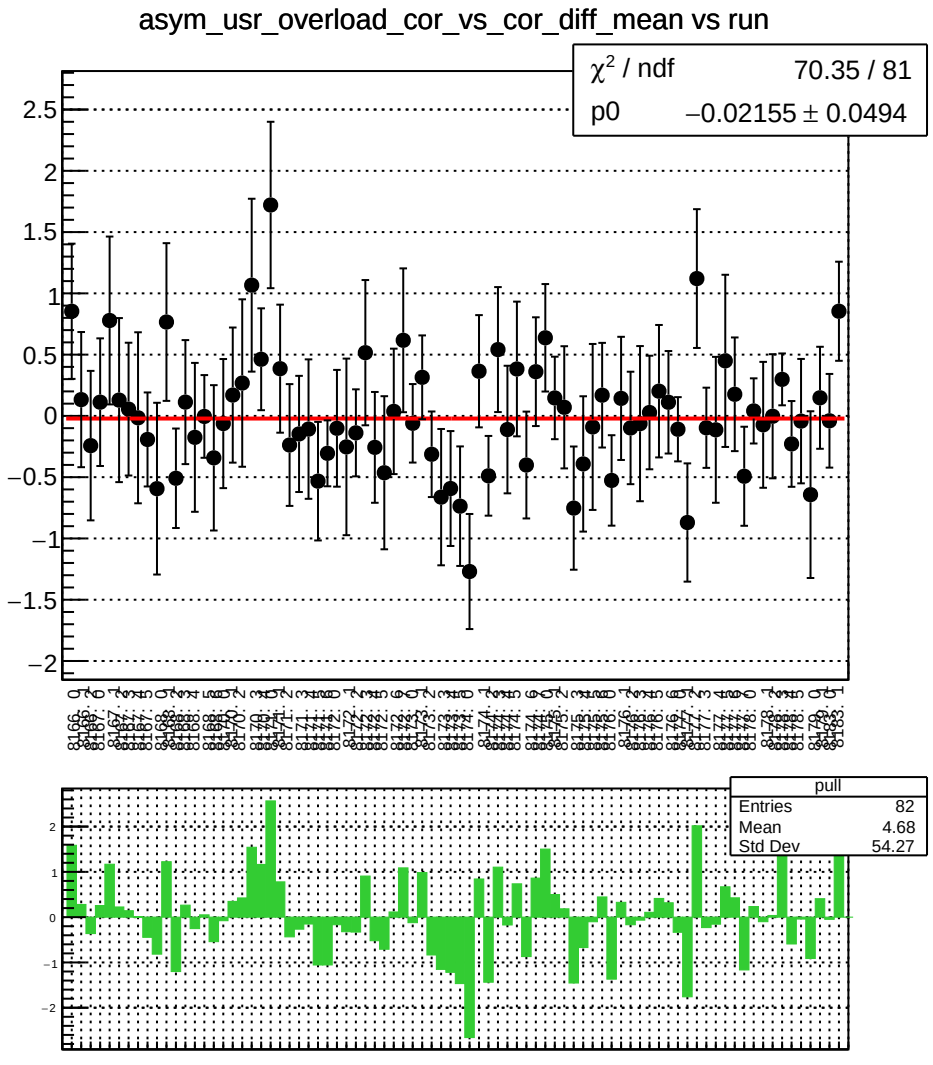

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 91.48 / 81
p0 0.1012 ± 0.09326
pull
Entries 82
Mean −1.589
Std Dev 0
pull1D
Entries 82
Mean −0.04896
Std Dev 1.055

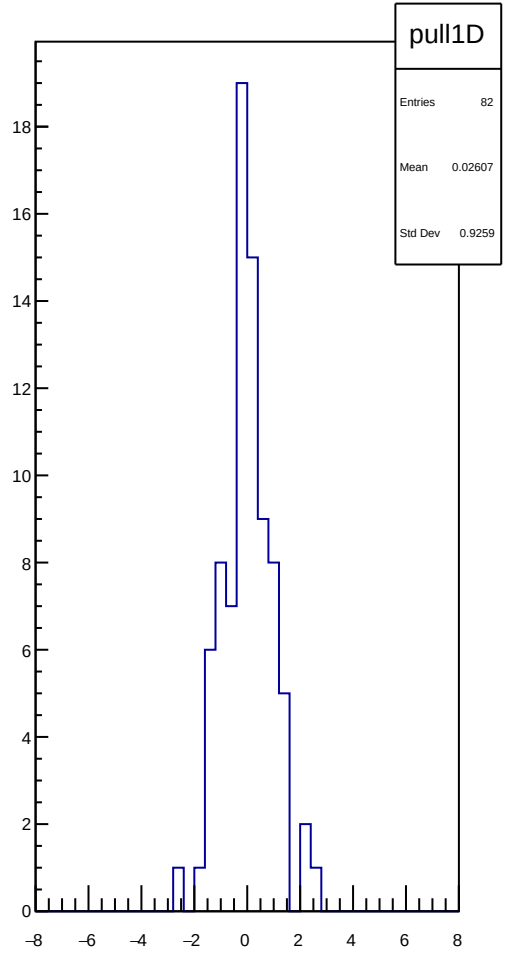

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.631e+04 / 81
p0 82.01 ± 0.06594
120
110
100
90
80
70
60
50

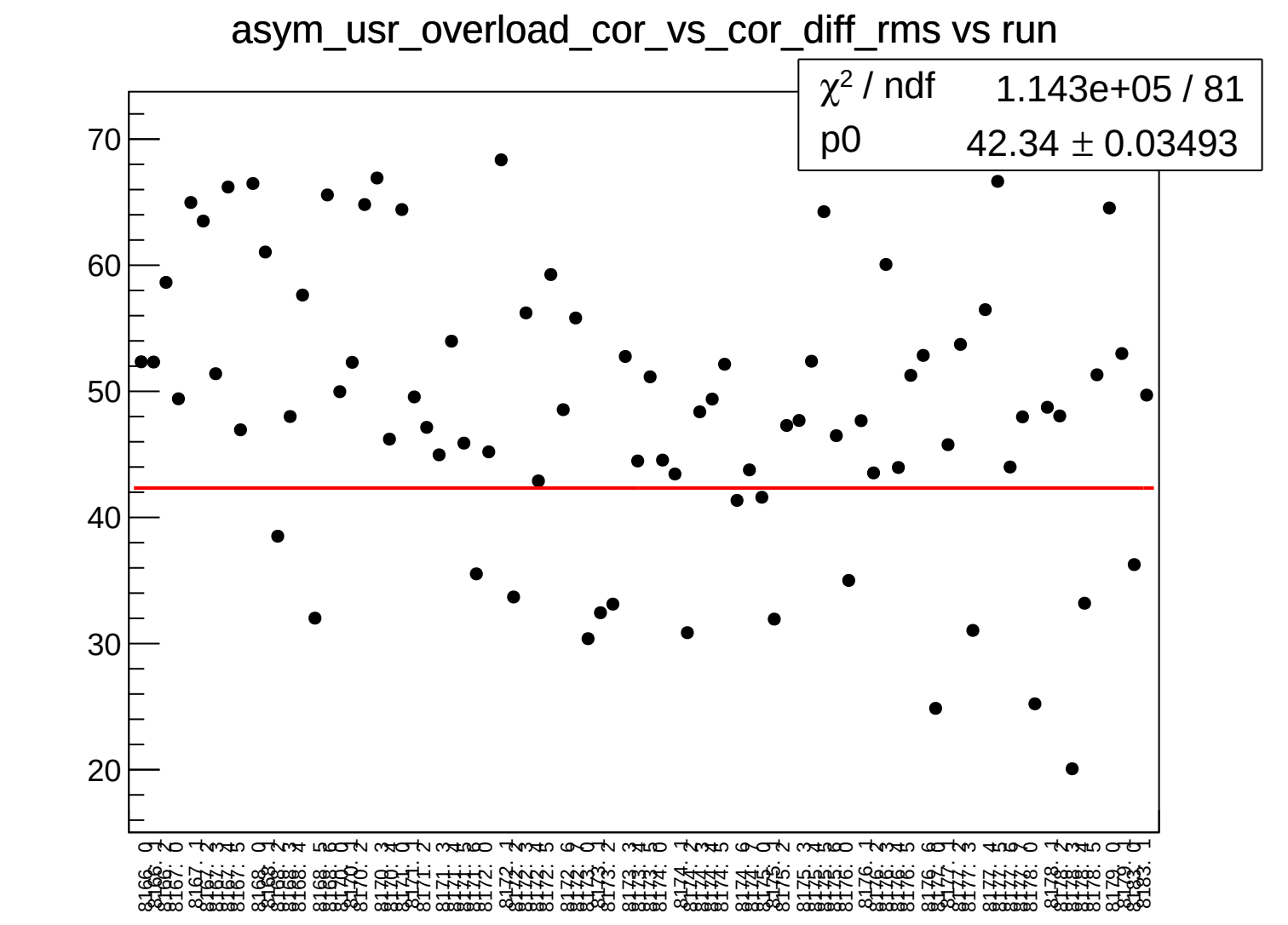

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.06 / 81
p0 7.548e−14 ± 1.426e−13
pull
Entries 82
Mean 16.94
Std Dev 0

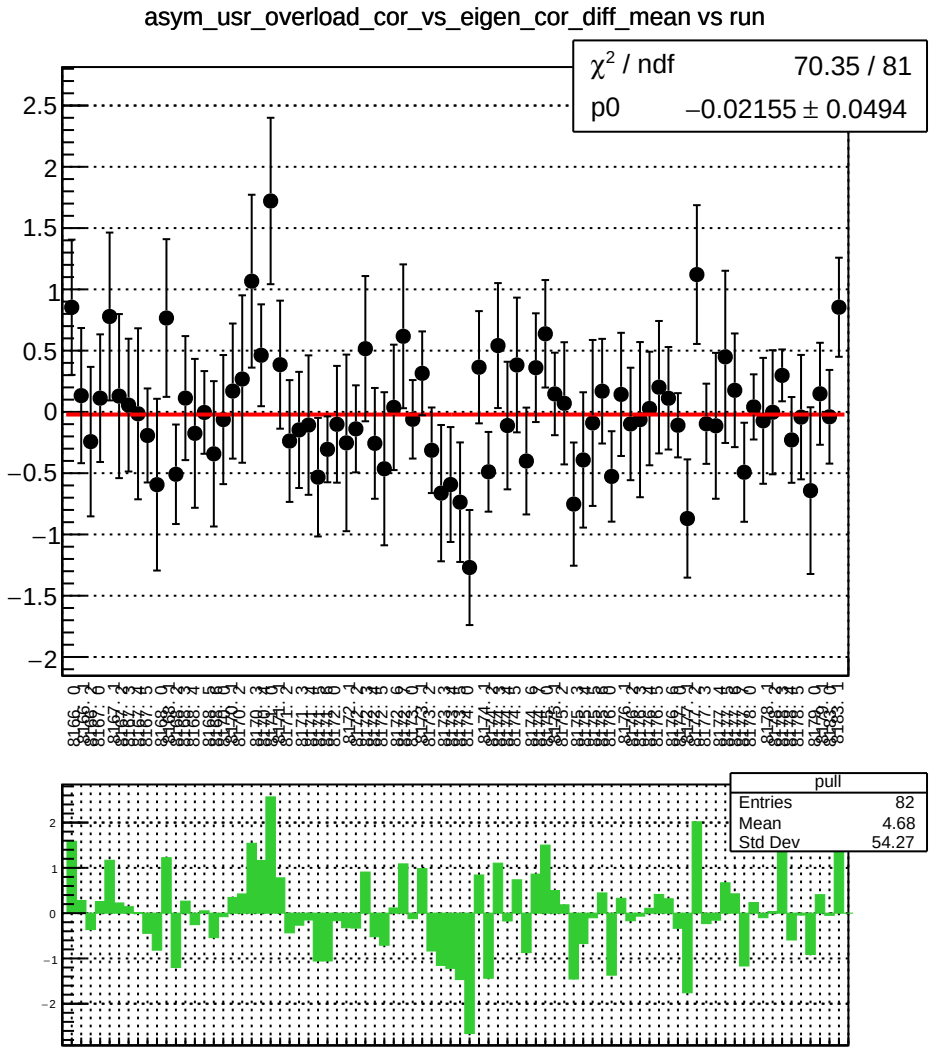

pull1D
Entries 82
Mean 0.02575
Std Dev 1.071

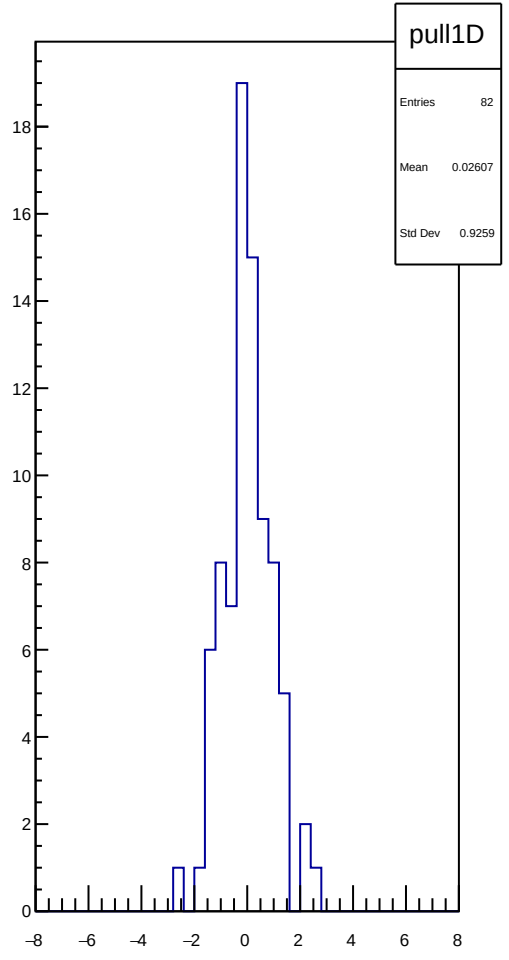

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.391e+05 / 81
p0 1.078e−10 ± 1.008e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

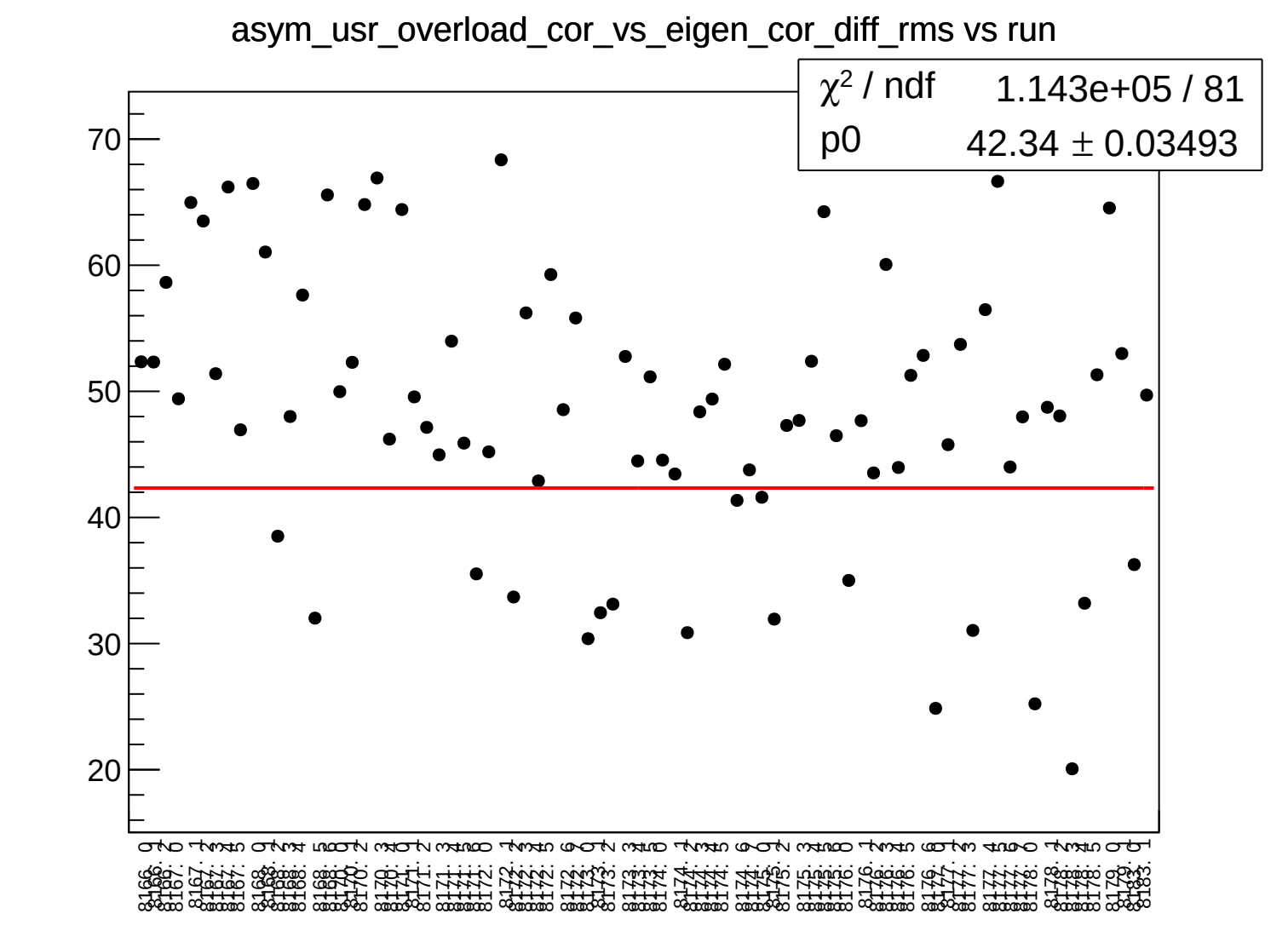

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 70.35 / 81
p0 −0.02155 ± 0.0494
pull
Entries 82
Mean 4.68
Std Dev 54.27

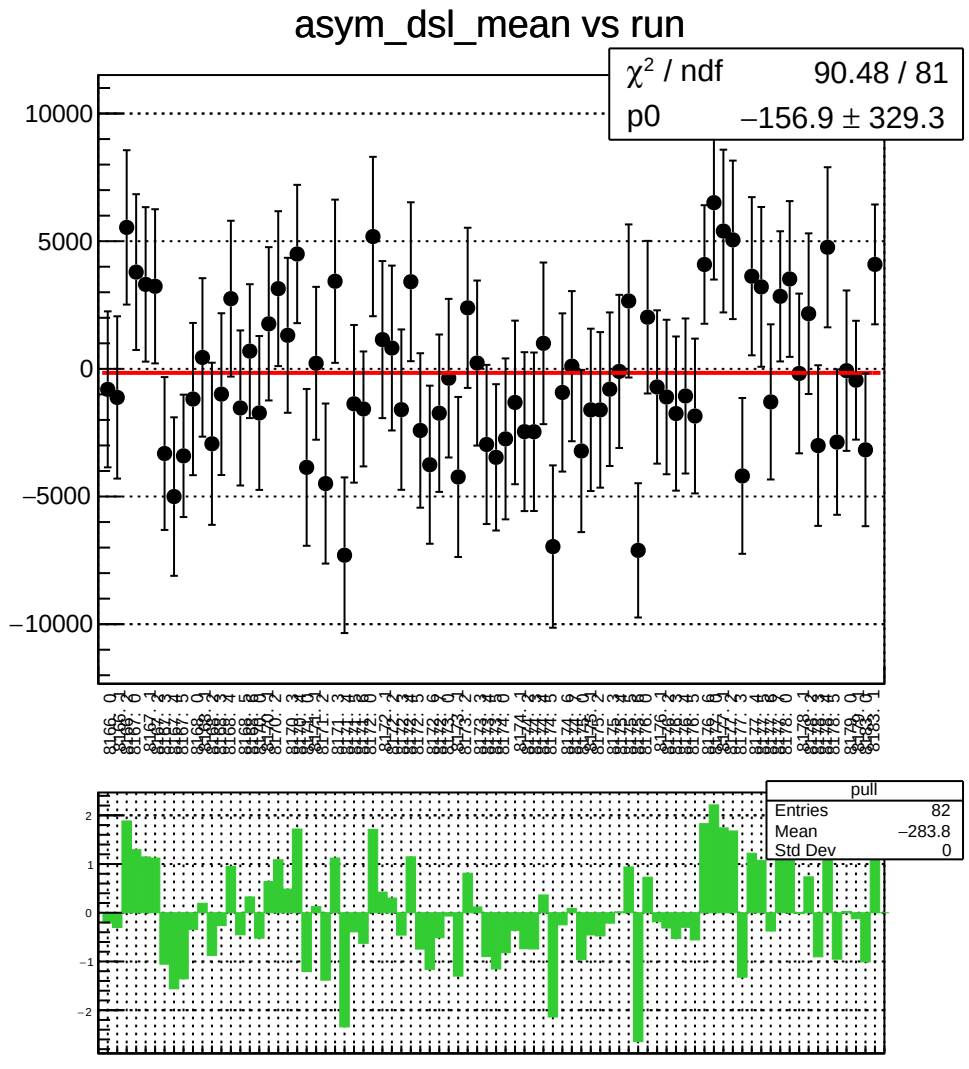

pull1D
Entries 82
Mean 0.02607
Std Dev 0.9259

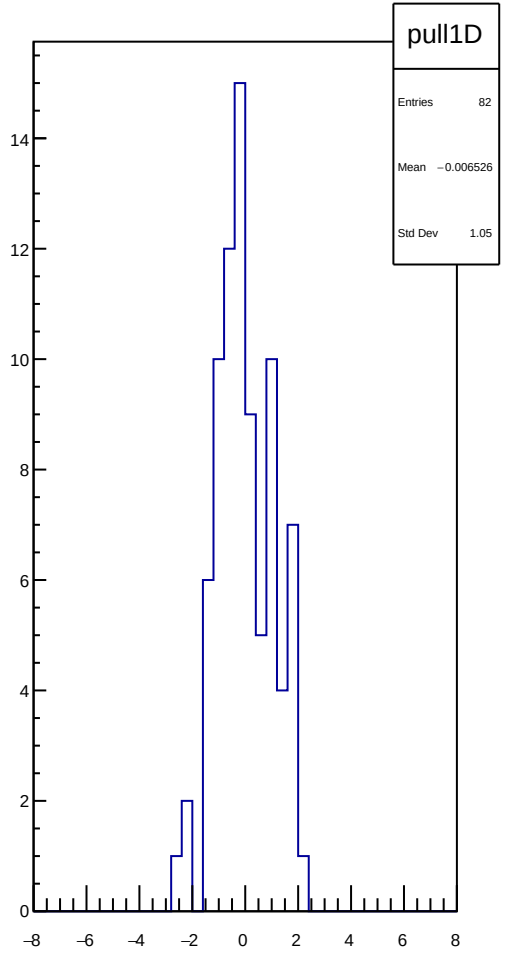

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.143e+05 / 81
p0 42.34 ± 0.03493
70
60
50
40
30
20

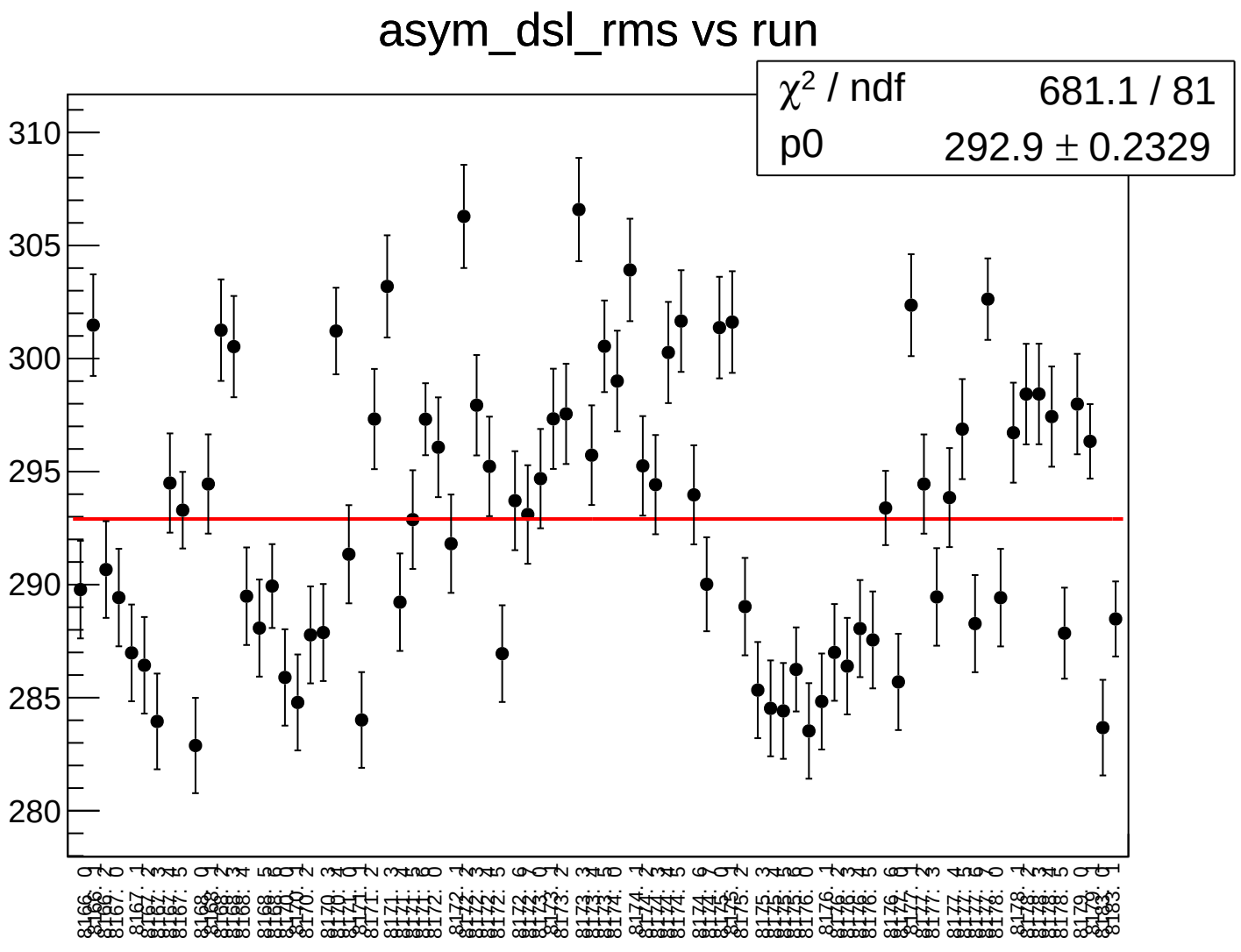

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.35 / 81
p0 −0.02155 ± 0.0494
pull
Entries 82
Mean 4.68
Std Dev 54.27

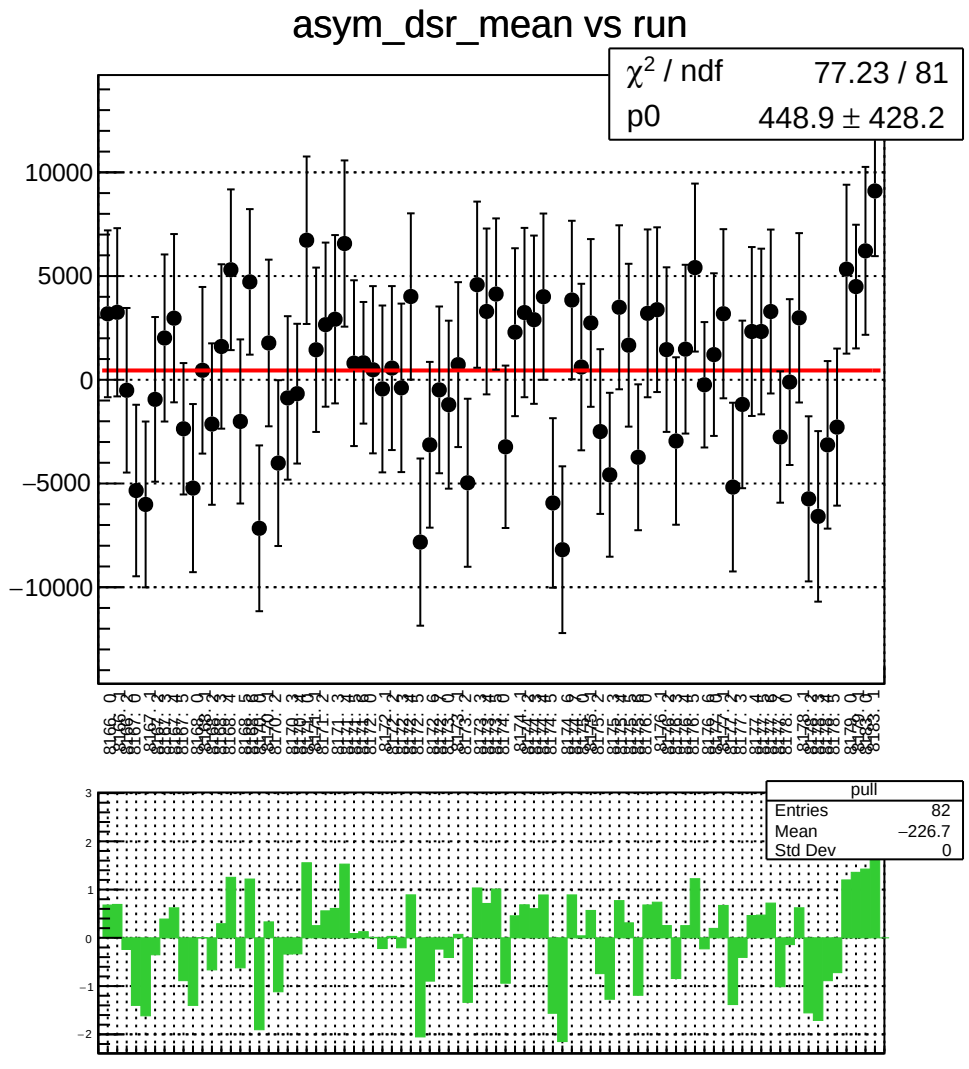

pull1D
Entries 82
Mean 0.02607
Std Dev 0.9259

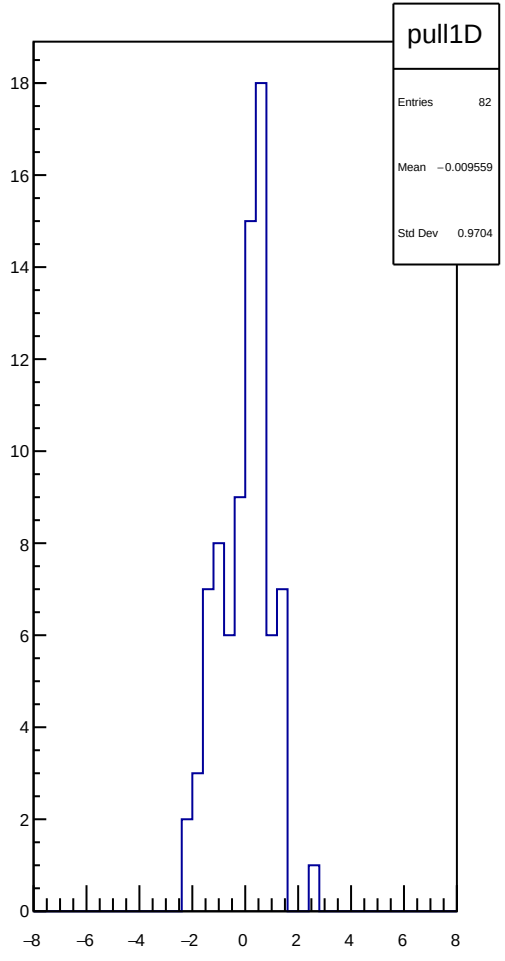

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.143e+05 / 81
p0 42.34 ± 0.03493
70
60
50
40
30
20

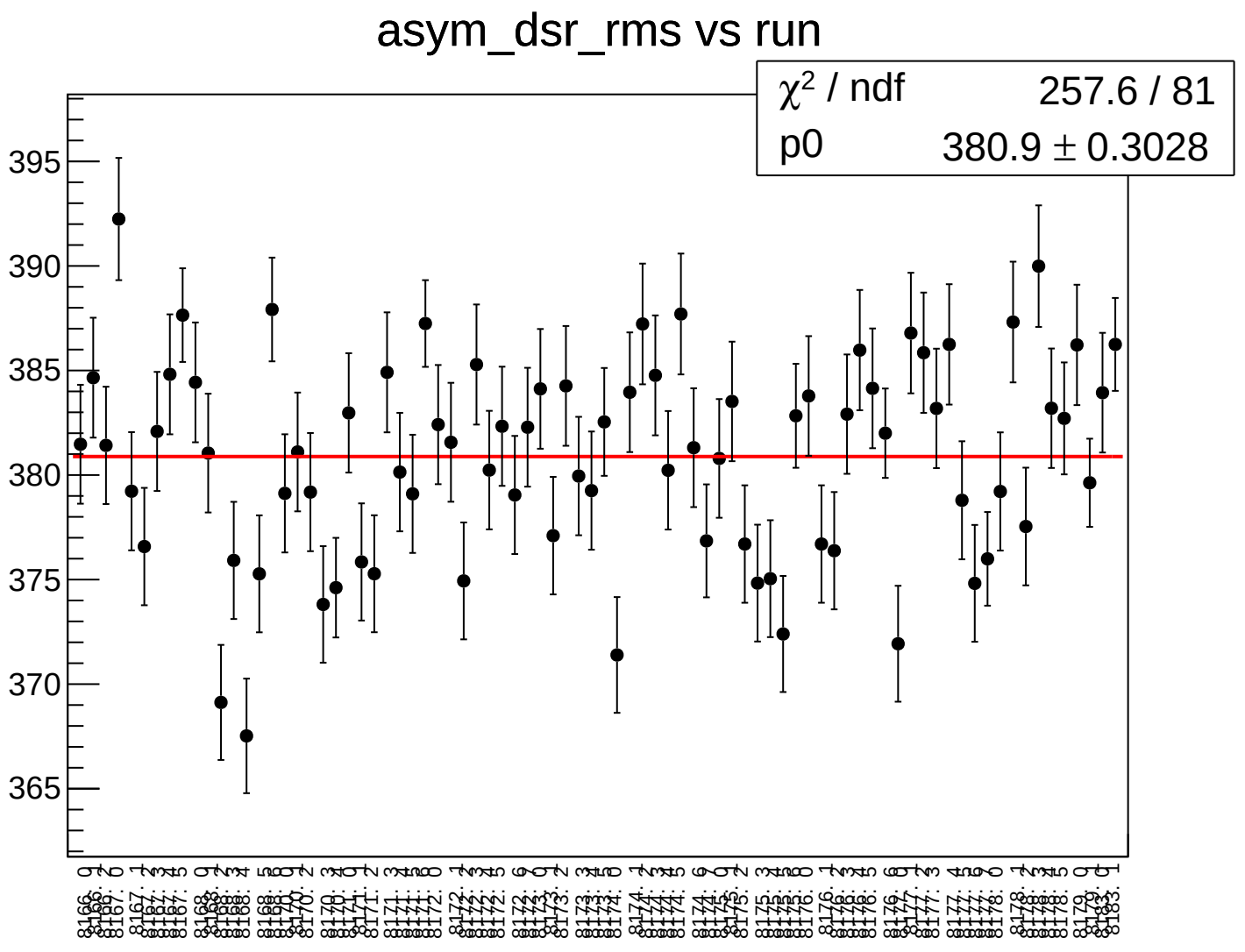

asym_dsl_mean vs run
χ² / ndf 90.48 / 81
p0 −156.9 ± 329.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −283.8
Std Dev 0
2
1
0
−1
−2

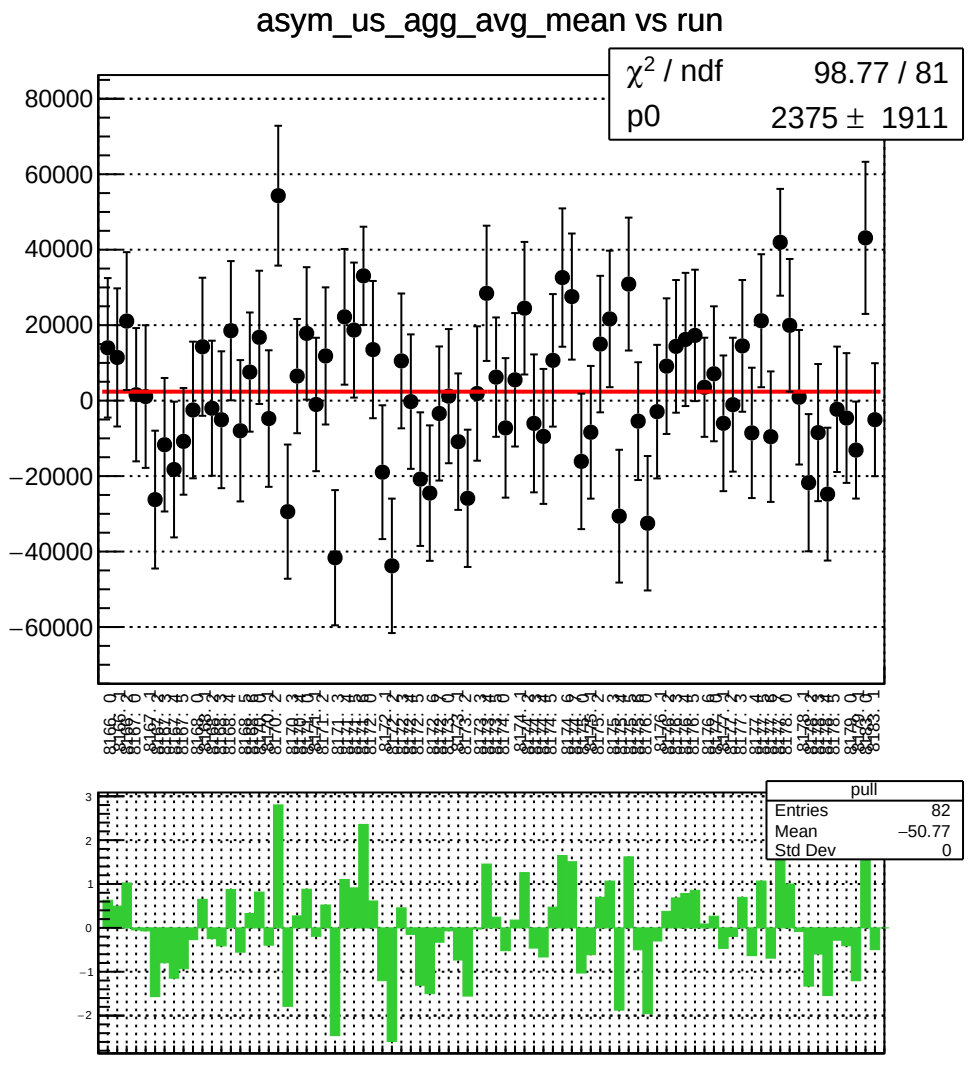

pull1D
Entries 82
Mean −0.006526
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

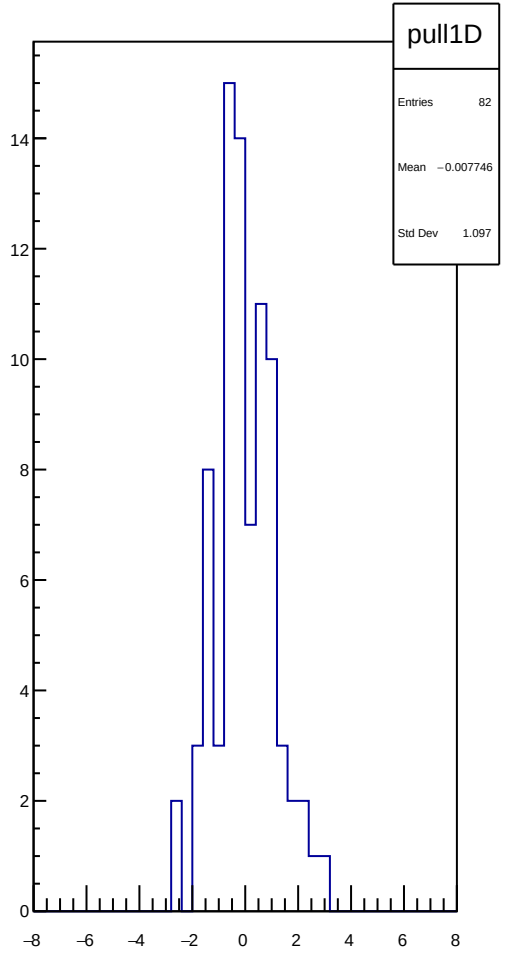

asym_dsl_rms vs run
χ^2 / ndf 681.1 / 81
p0 292.9 ± 0.2329
310
305
300
295
290
285
280

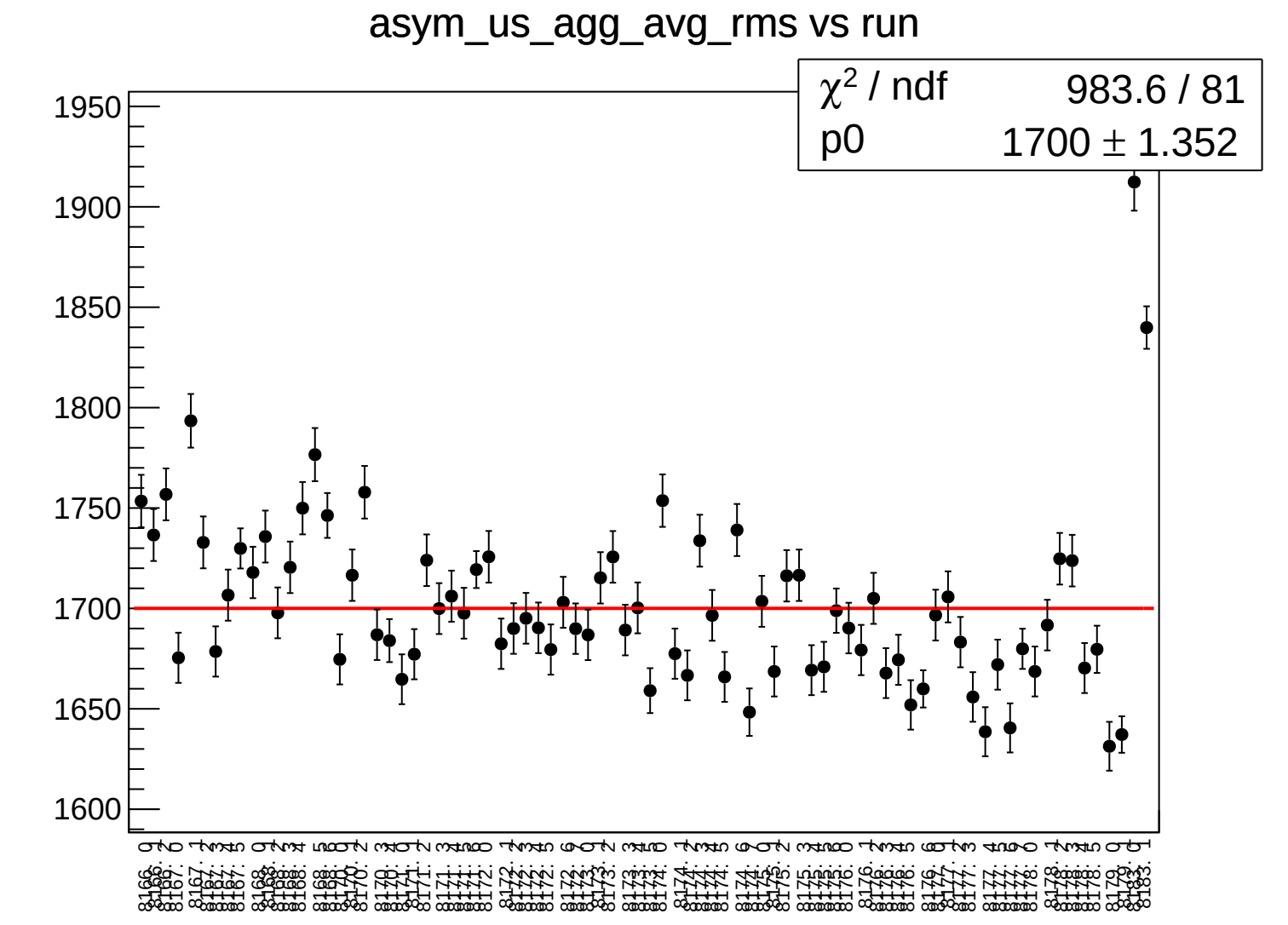

asym_dsr_mean vs run
χ² / ndf 77.23 / 81
p0 448.9 ± 428.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −226.7
Std Dev 0
3
2
1
0
−1
−2

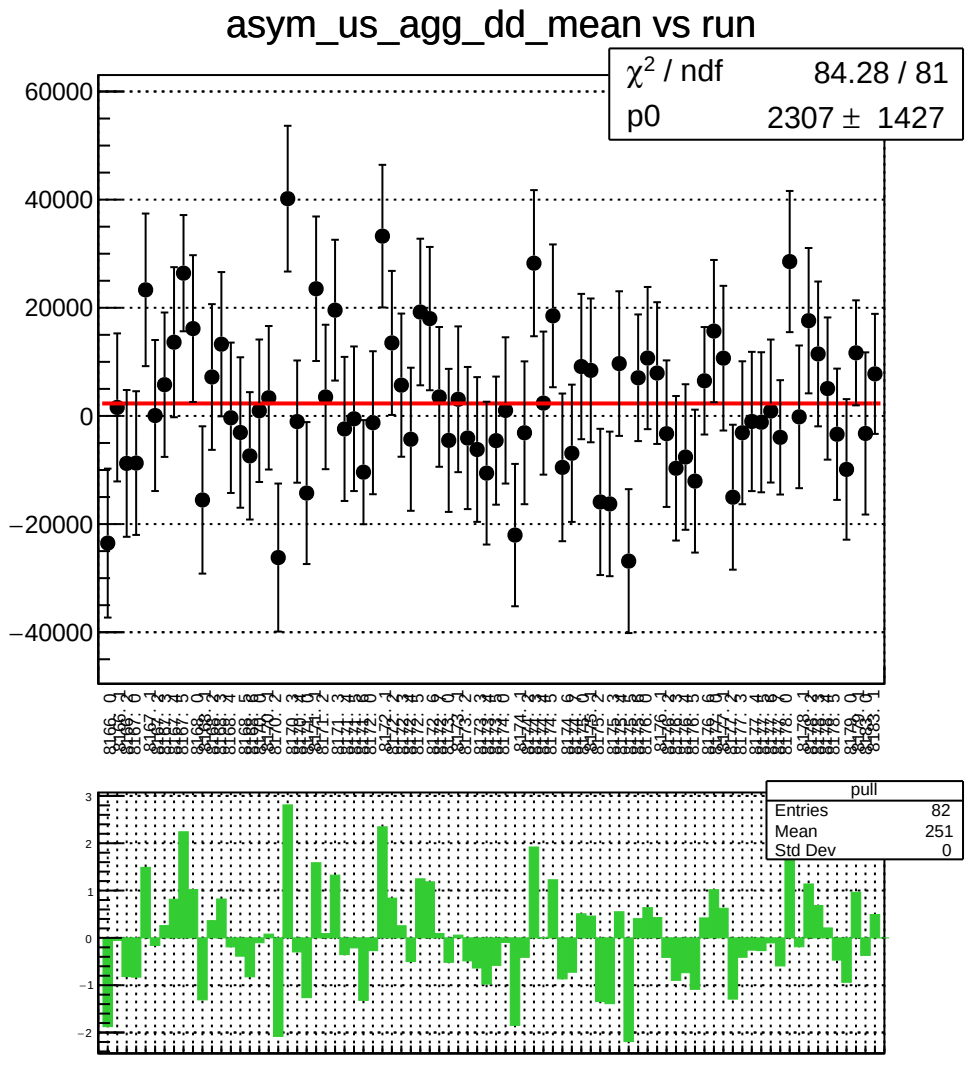

pull1D
Entries 82
Mean −0.009559
Std Dev 0.9704
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

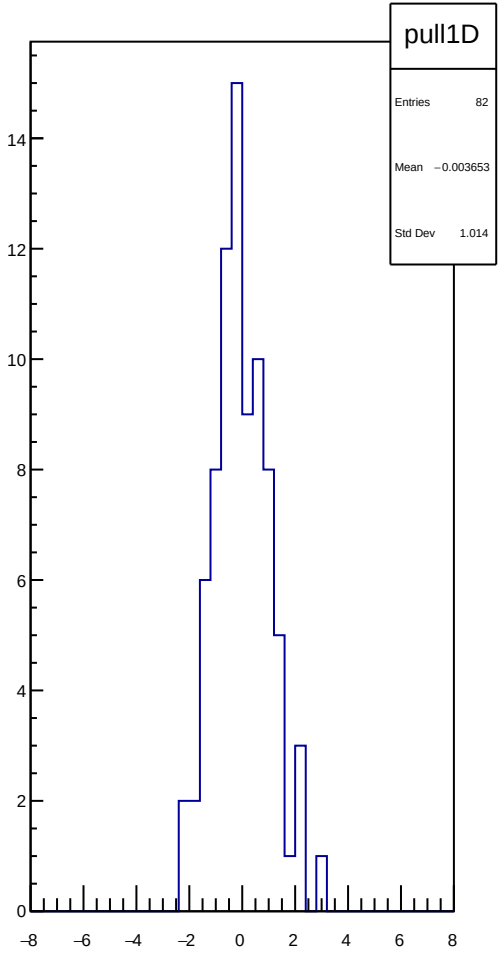

asym_dsr_rms vs run
χ² / ndf 257.6 / 81
p0 380.9 ± 0.3028
395
390
385
380
375
370
365

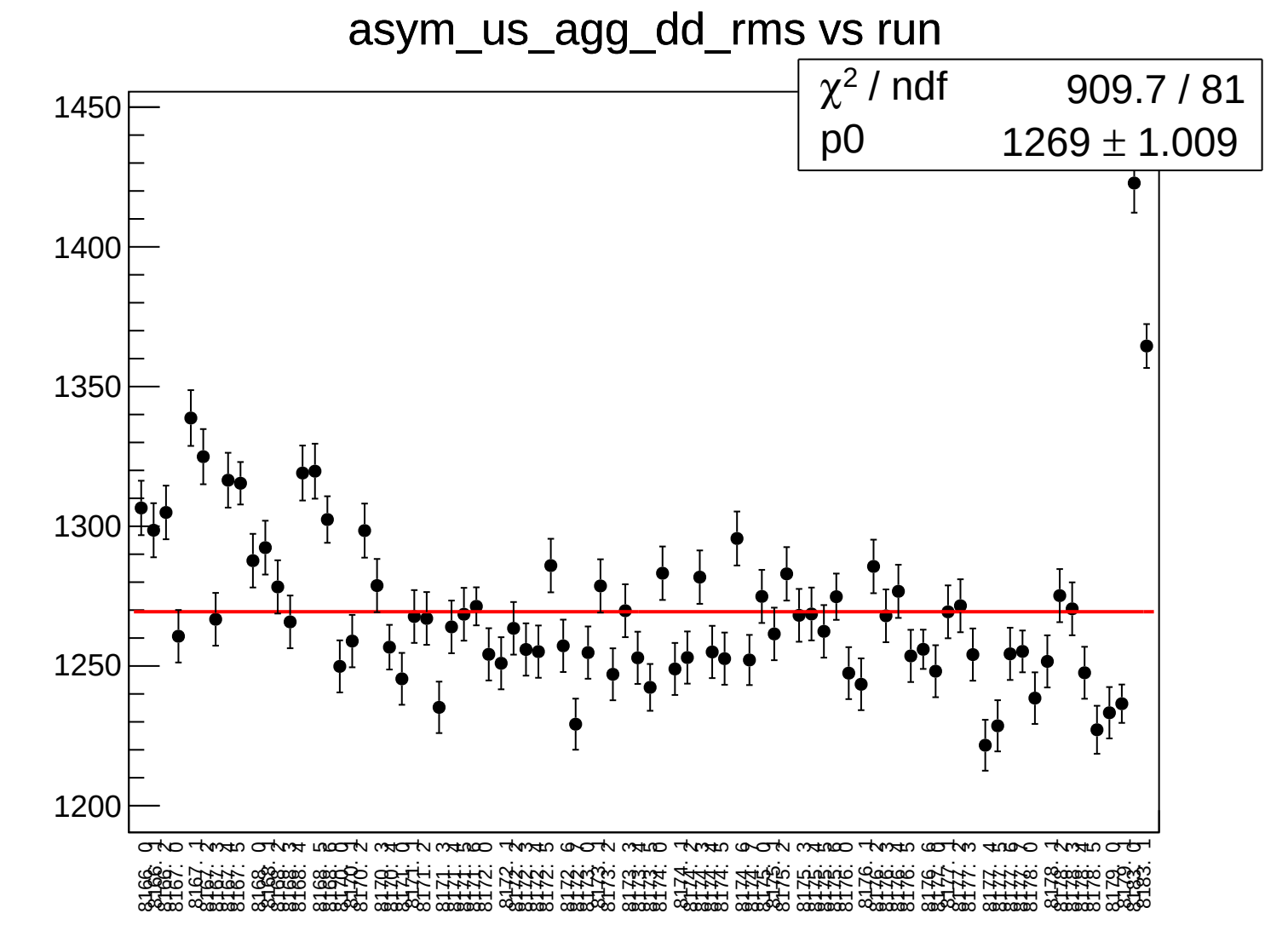

asym_us_agg_avg_mean vs run
χ² / ndf 98.77 / 81
p0 2375 ± 1911
pull
Entries 82
Mean −50.77
Std Dev 0

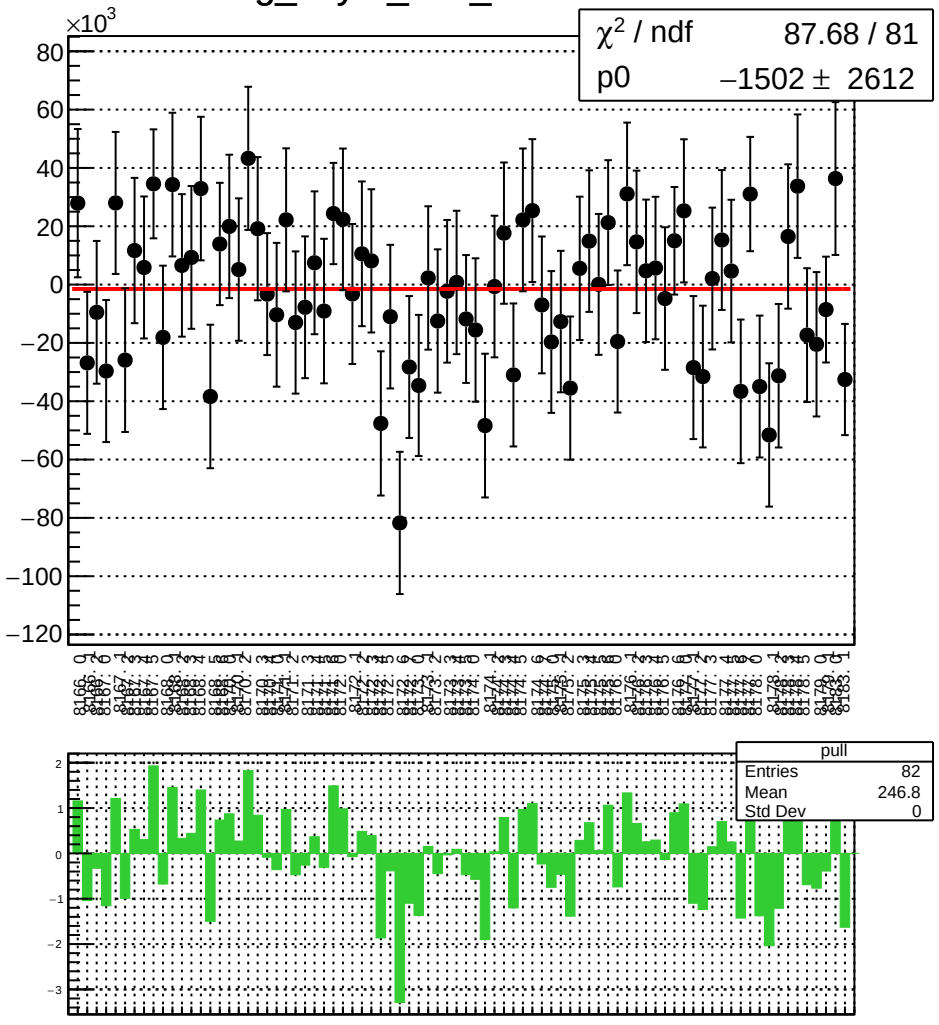

pull1D
Entries 82
Mean −0.007746
Std Dev 1.097

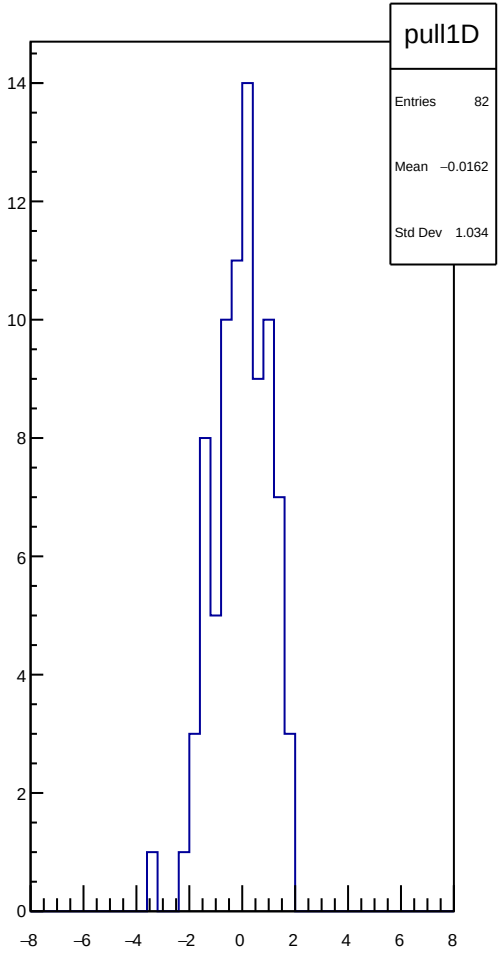

asym_us_agg_avg_rms vs run
χ^2 / ndf 983.6 / 81
p0 1700 ± 1.352
1950
1900
1850
1800
1750
1700
1650
1600

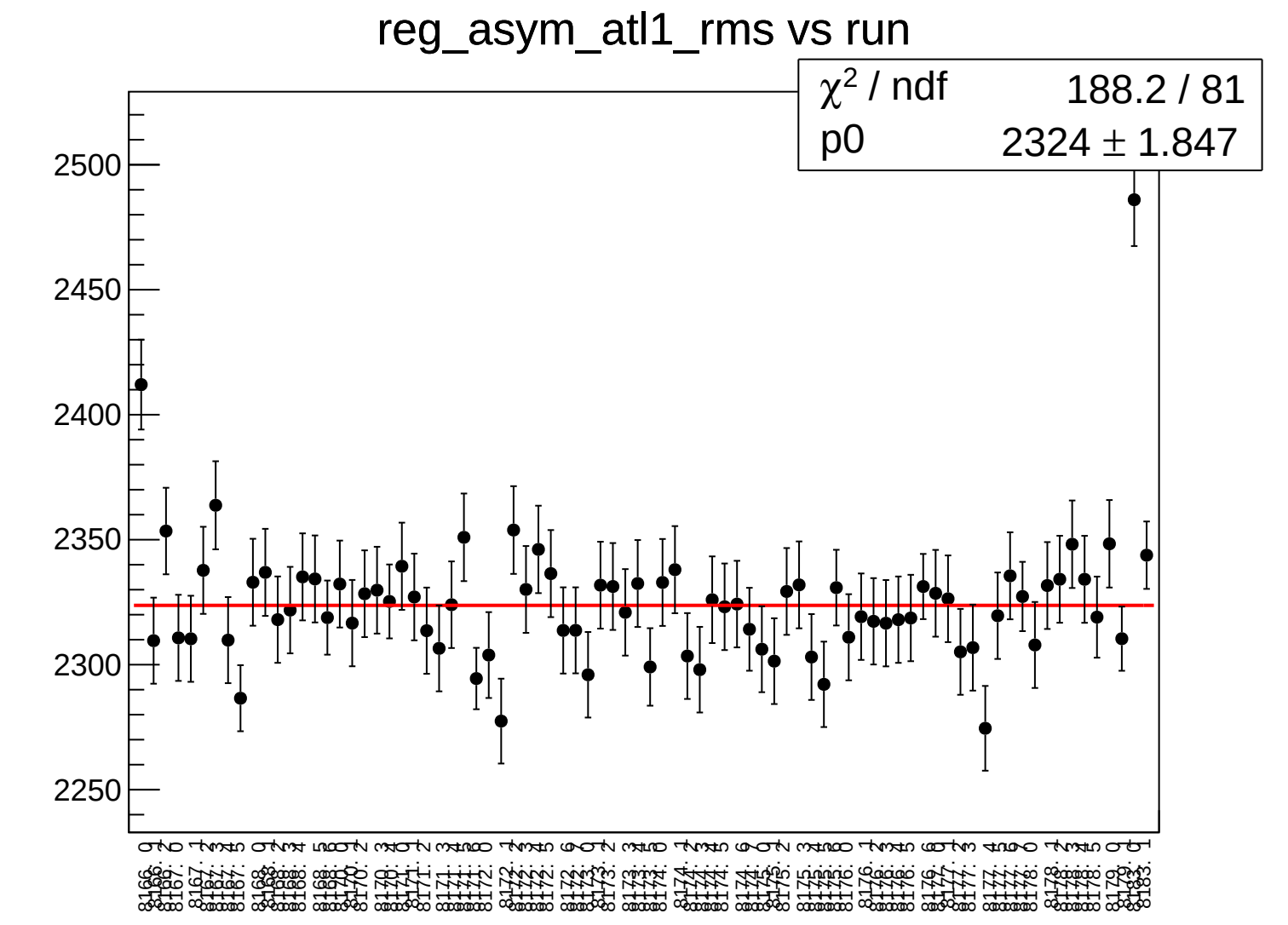

asym_us_agg_dd_mean vs run
χ² / ndf 84.28 / 81
p0 2307 ± 1427
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 251
Std Dev 0
3
2
1
0
−1
−2

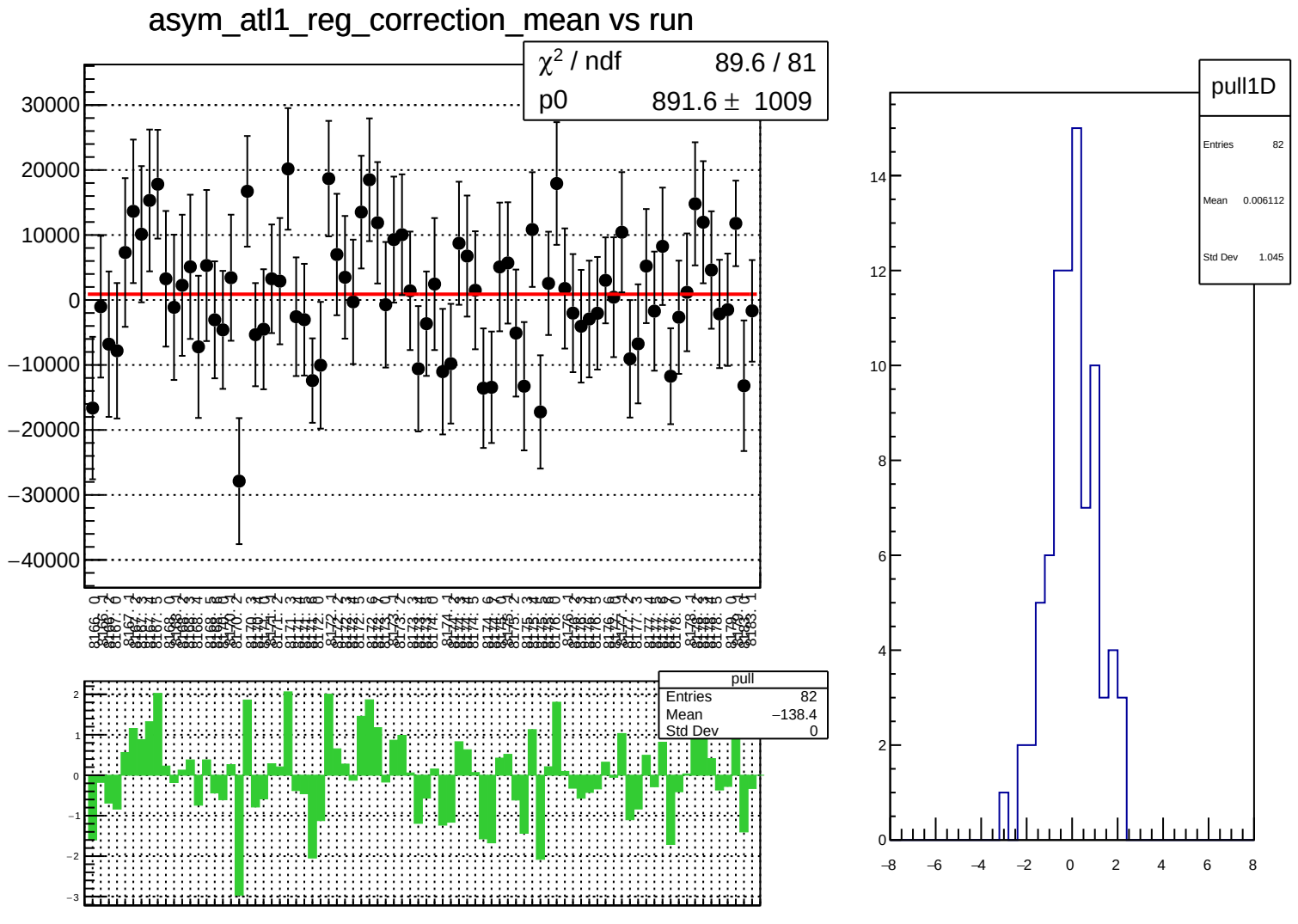

pull1D
Entries 82
Mean −0.003653
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

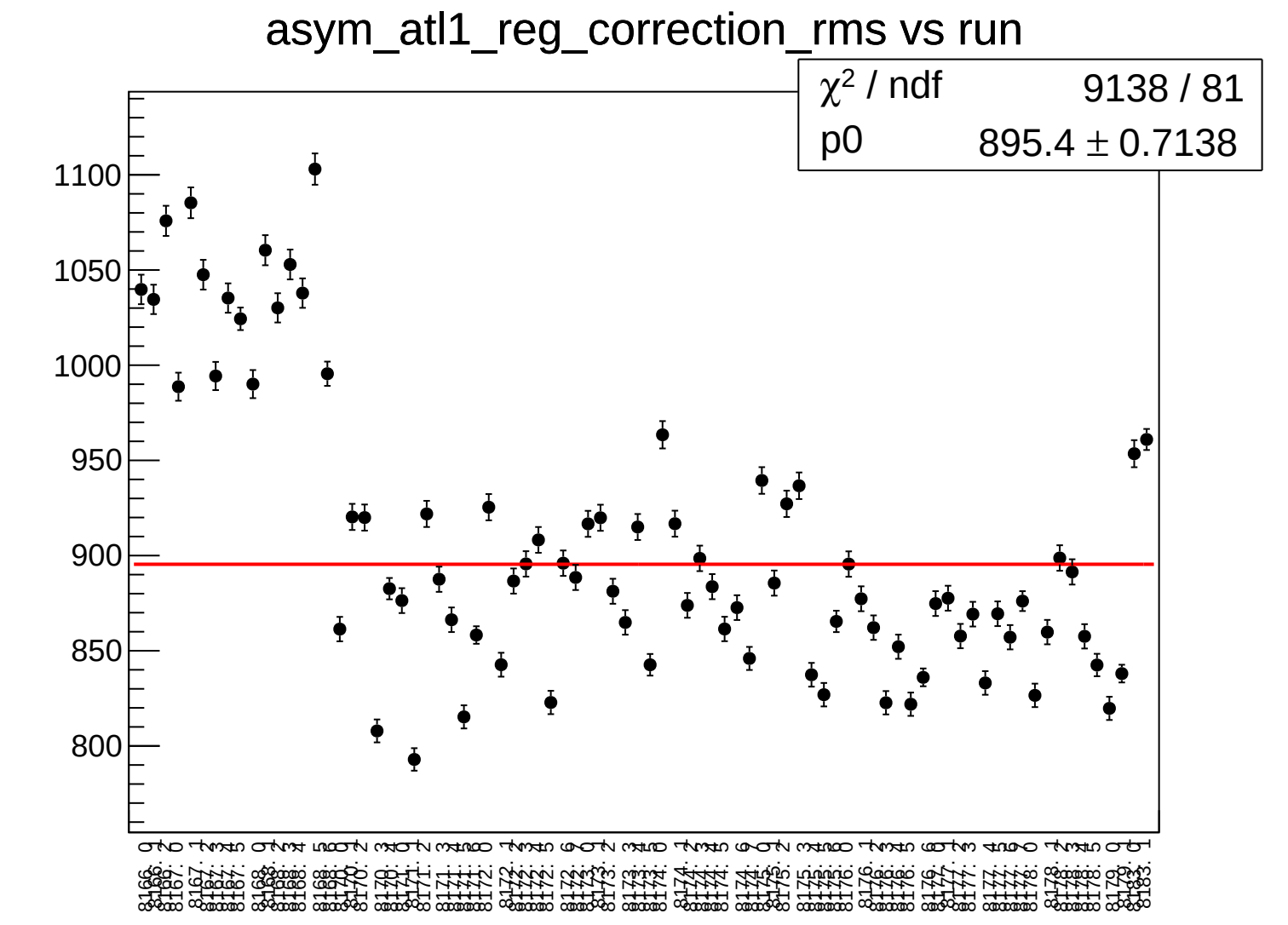

asym_us_agg_dd_rms vs run
χ^2 / ndf 909.7 / 81
p0 1269 ± 1.009
1450
1400
1350
1300
1250
1200

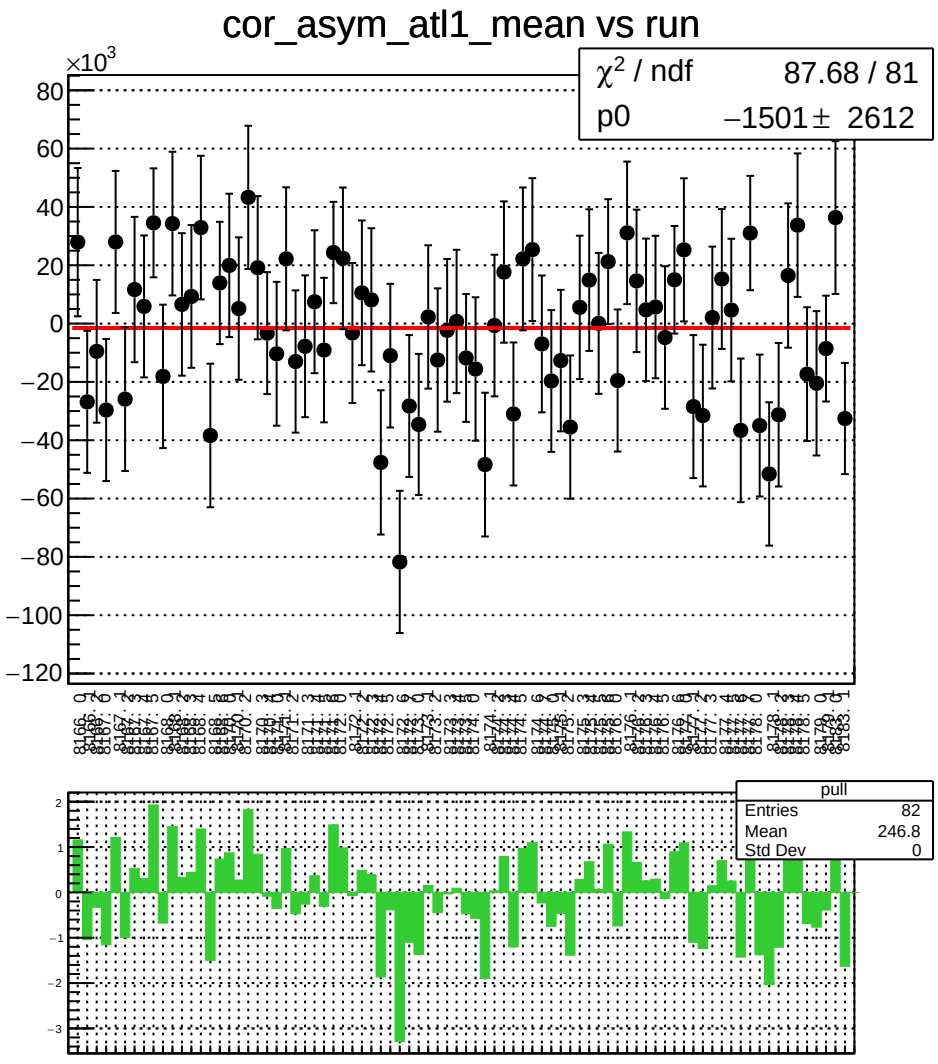

reg_asym_atl1_mean vs run
χ² / ndf 87.68 / 81
p0 −1502 ± 2612
pull
Entries 82
Mean 246.8
Std Dev 0

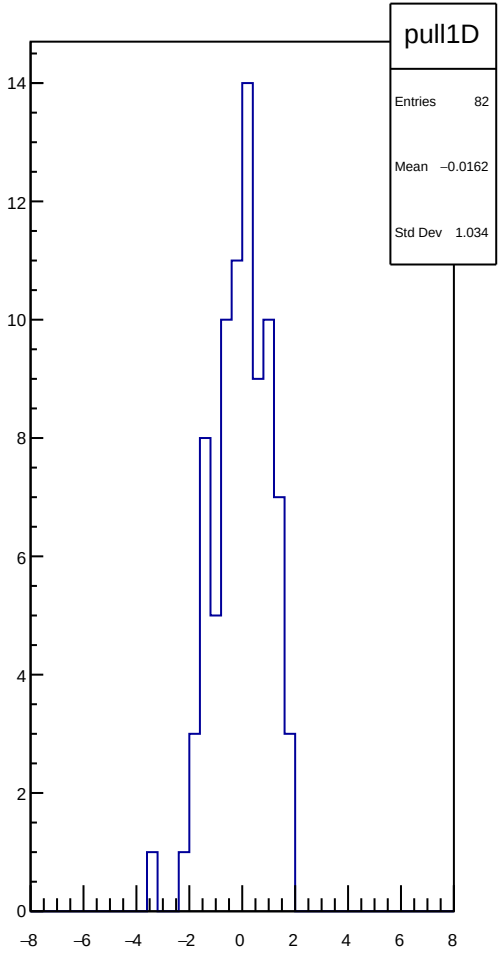

pull1D
Entries 82
Mean −0.0162
Std Dev 1.034

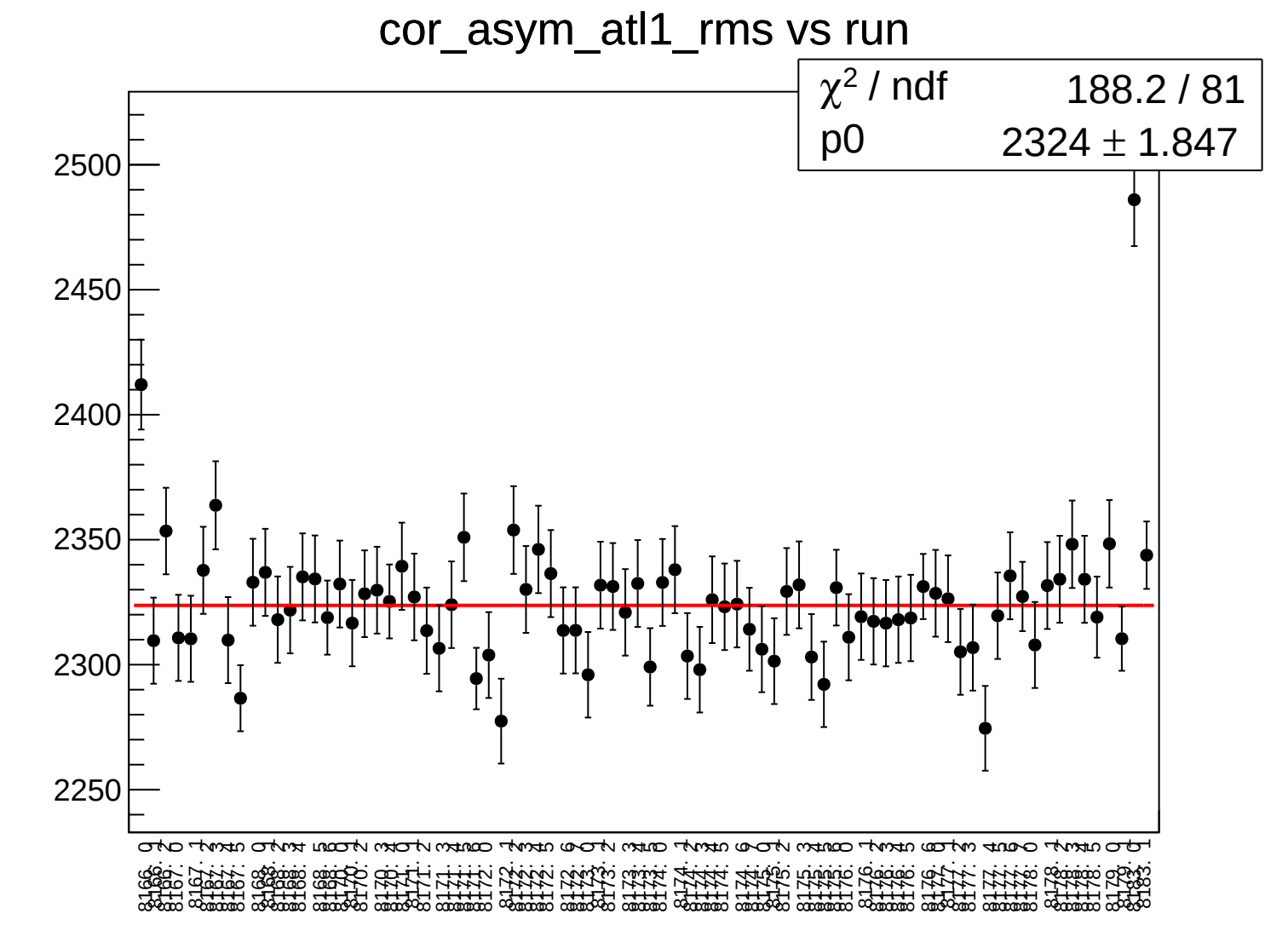

reg_asym_atl1_rms vs run
χ^2 / ndf 188.2 / 81
p0 2324 ± 1.847
2500
2450
2400
2350
2300
2250

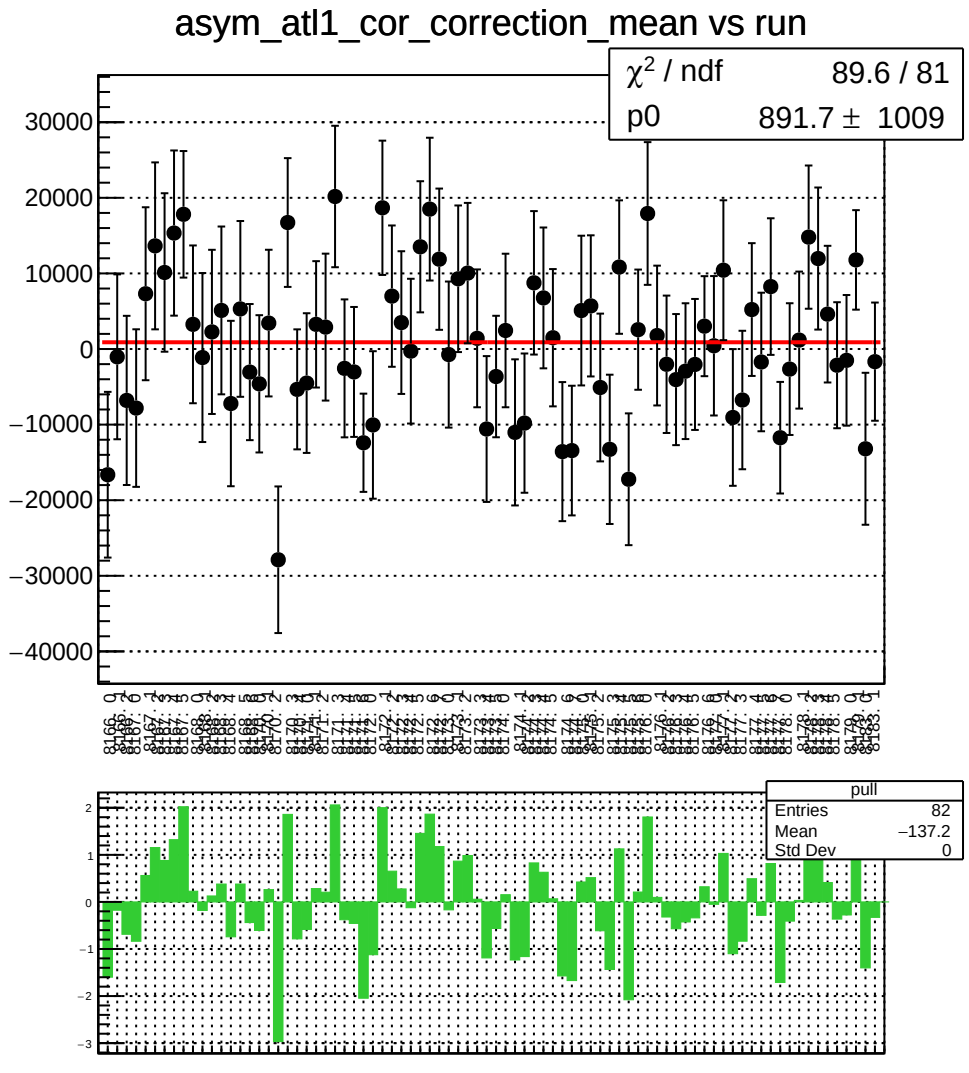

asym_atl1_reg_correction_mean vs run
χ² / ndf 89.6 / 81
p0 891.6 ± 1009
pull
Entries 82
Mean −138.4
Std Dev 0
pull1D
Entries 82
Mean 0.006112
Std Dev 1.045

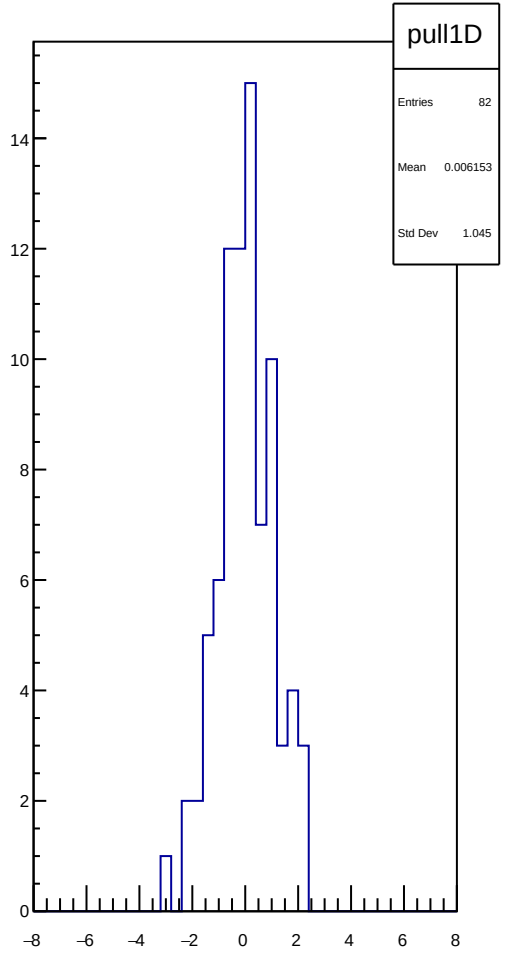

asym_atl1_reg_correction_rms vs run
χ² / ndf 9138 / 81
p0 895.4 ± 0.7138
1100
1050
1000
950
900
850
800

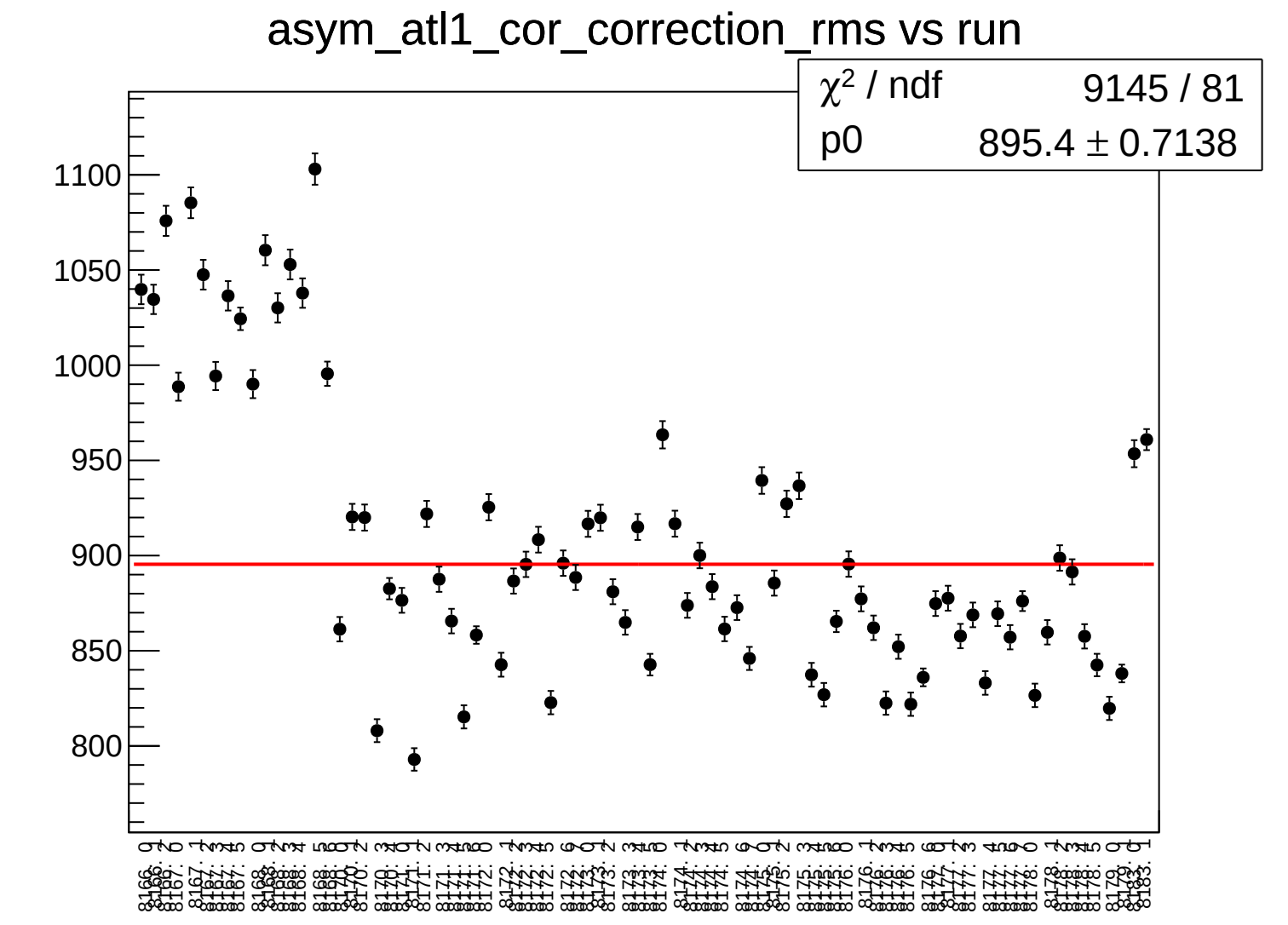

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 87.68 / 81
p0 −1501 ± 2612
pull
Entries 82
Mean 246.8
Std Dev 0

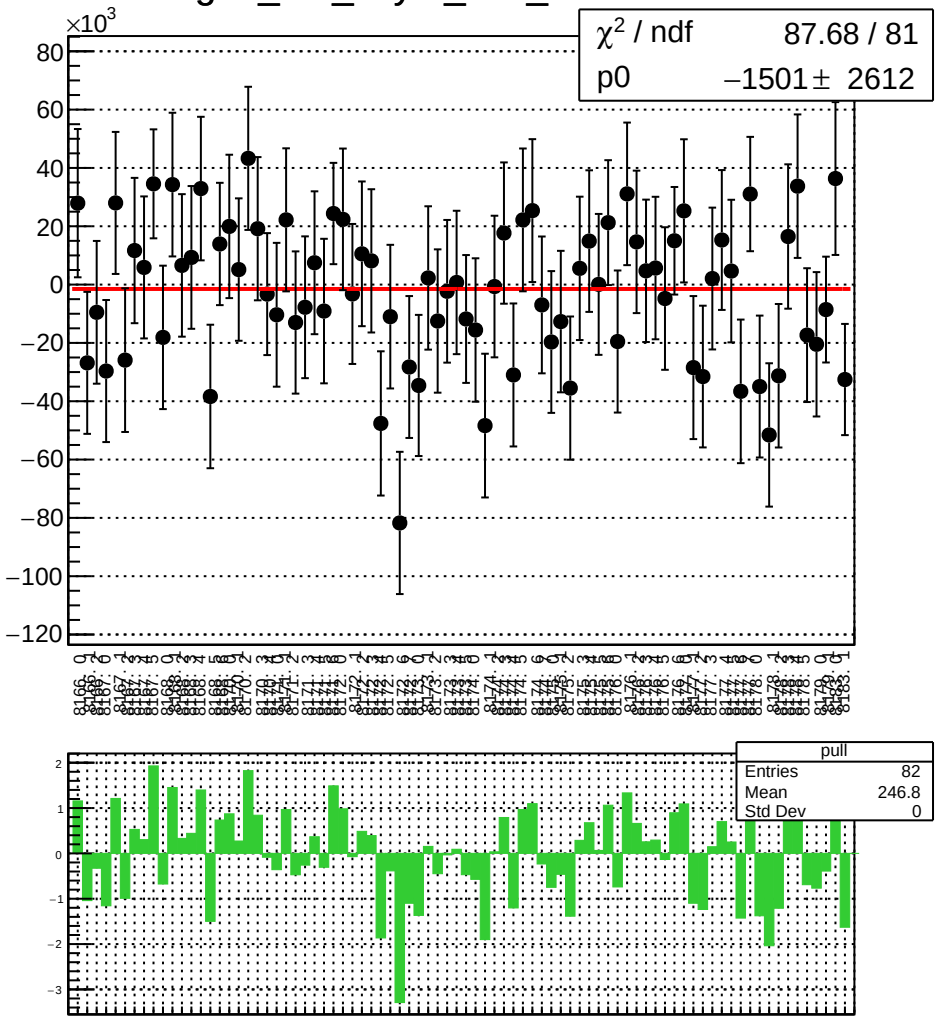

pull1D
Entries 82
Mean −0.0162
Std Dev 1.034

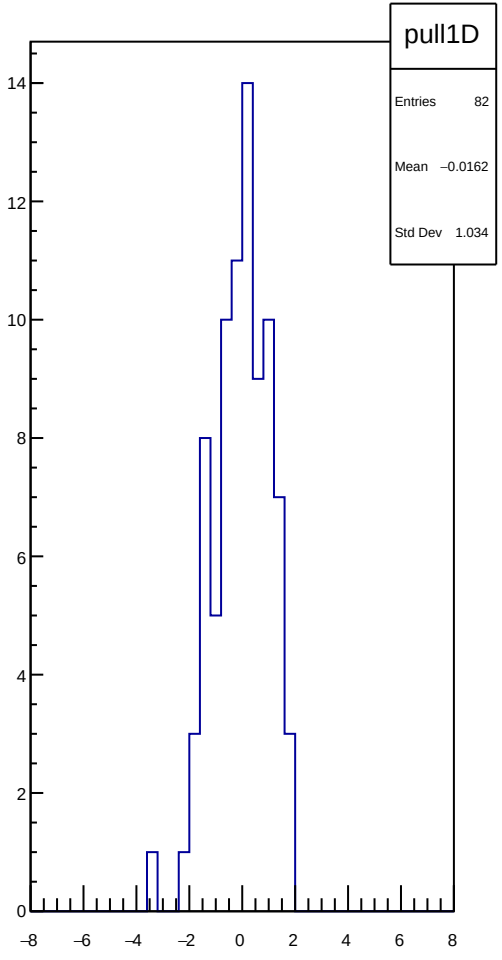

cor_asym_atl1_rms vs run
χ² / ndf 188.2 / 81
p0 2324 ± 1.847
2500
2450
2400
2350
2300
2250

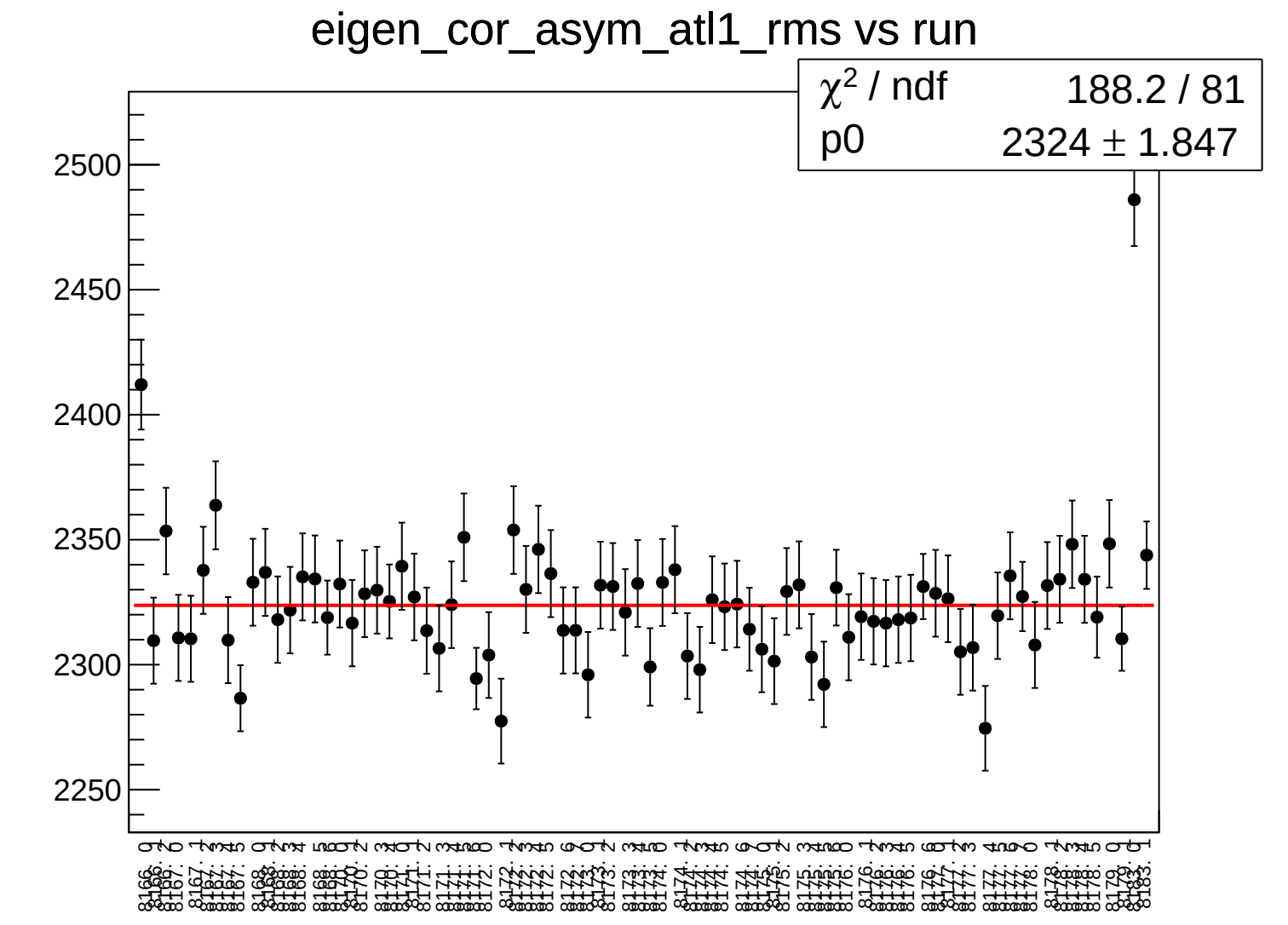

asym_atl1_cor_correction_mean vs run
χ² / ndf 89.6 / 81
p0 891.7 ± 1009
pull
Entries 82
Mean −137.2
Std Dev 0

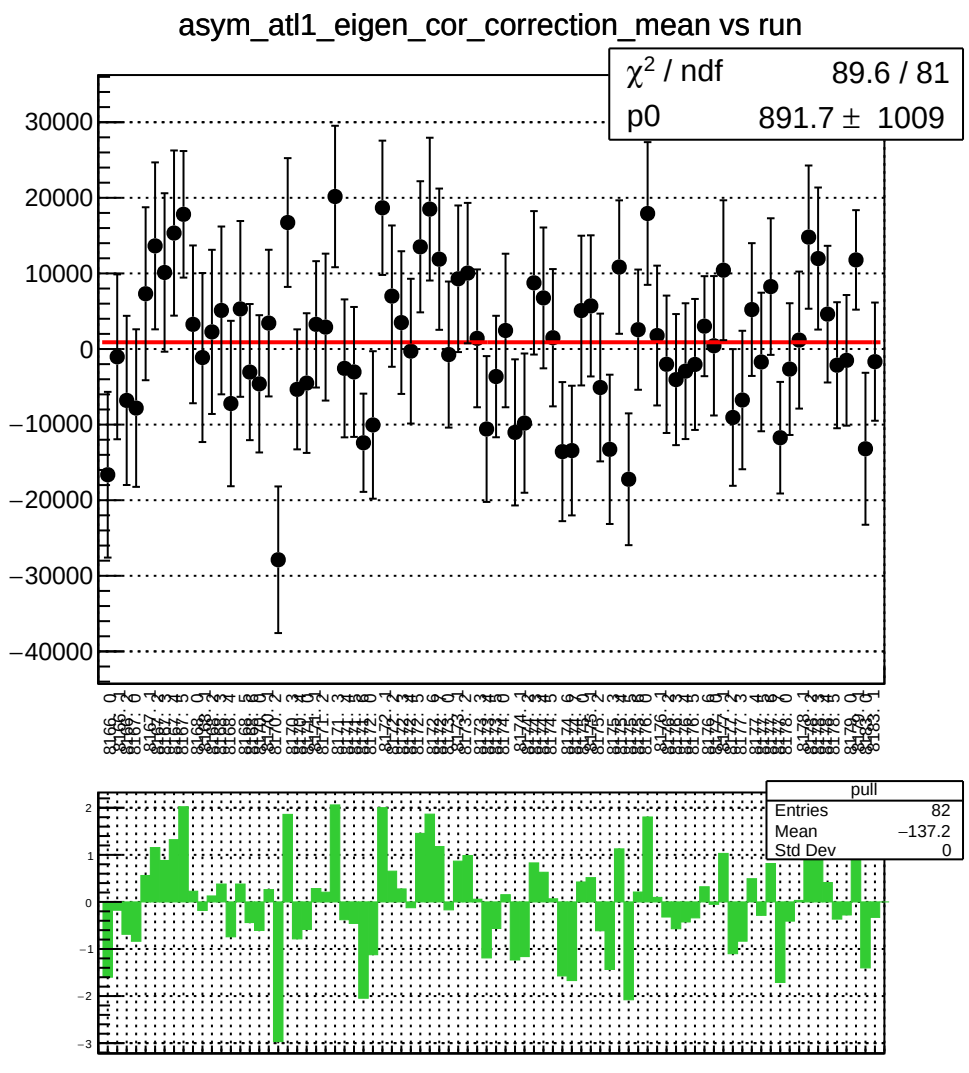

pull1D
Entries 82
Mean 0.006153
Std Dev 1.045

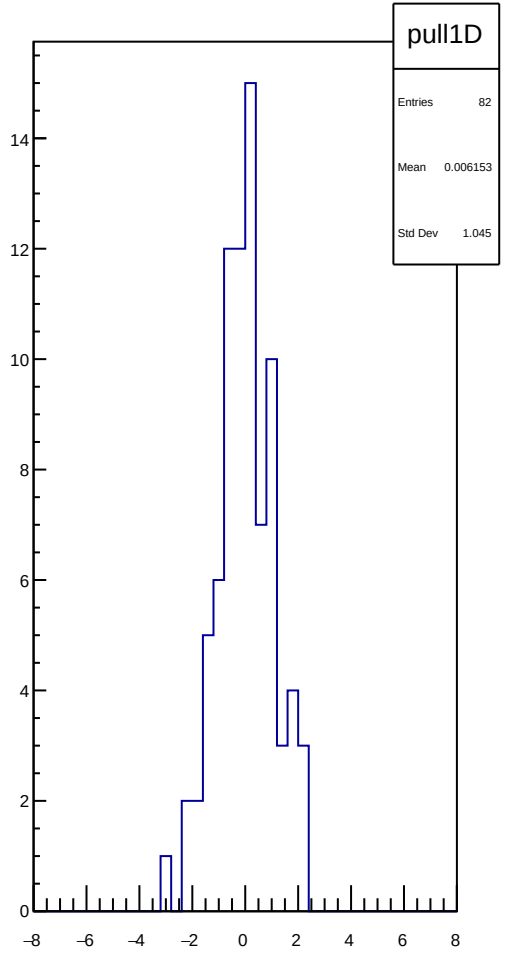

asym_atl1_cor_correction_rms vs run
χ² / ndf 9145 / 81
p0 895.4 ± 0.7138
1100
1050
1000
950
900
850
800

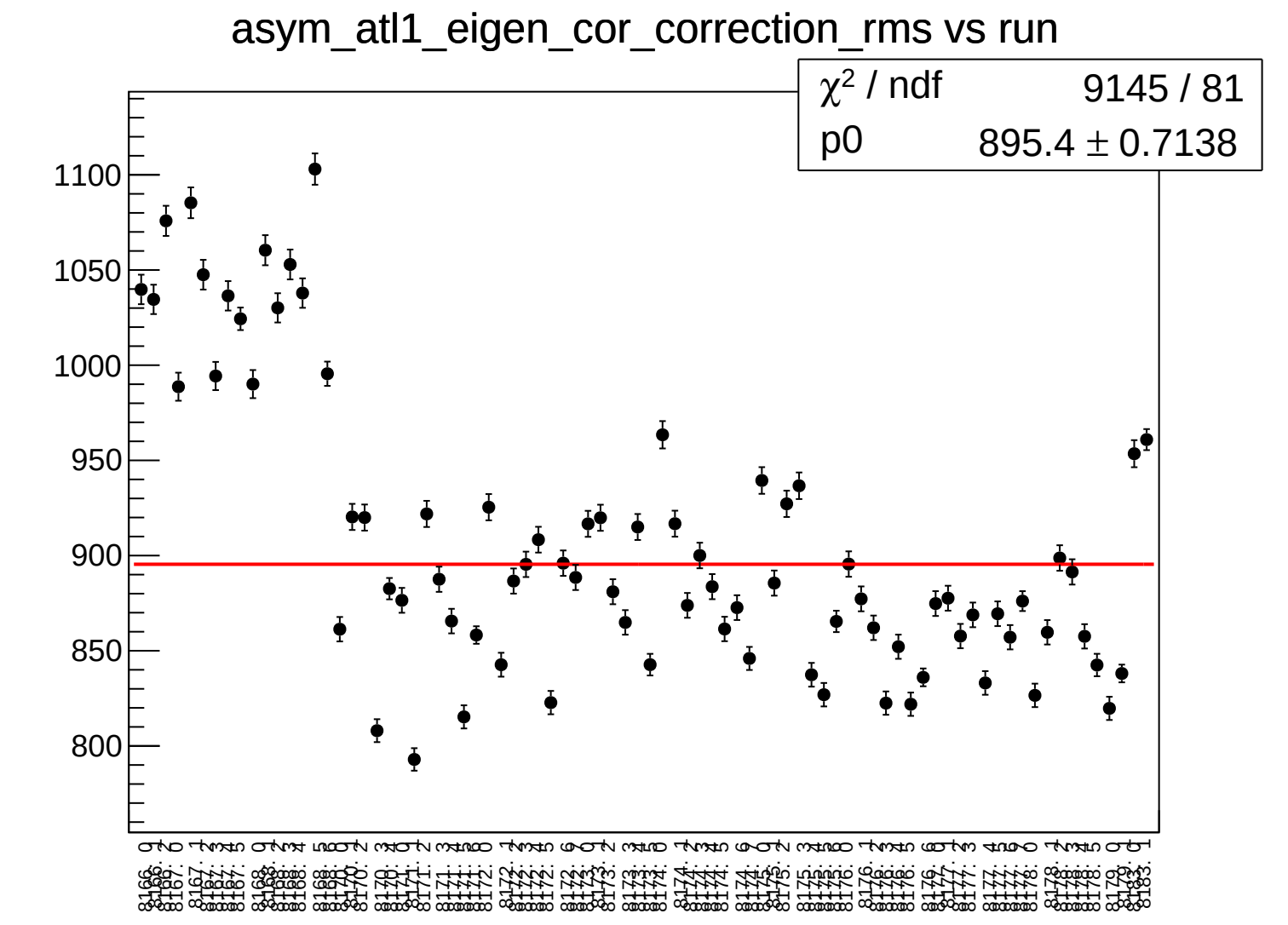

eigen_cor_asym_atl1_mean vs run
χ² / ndf 87.68 / 81
p0 −1501 ± 2612
×10³
pull
Entries 82
Mean 246.8
Std Dev 0

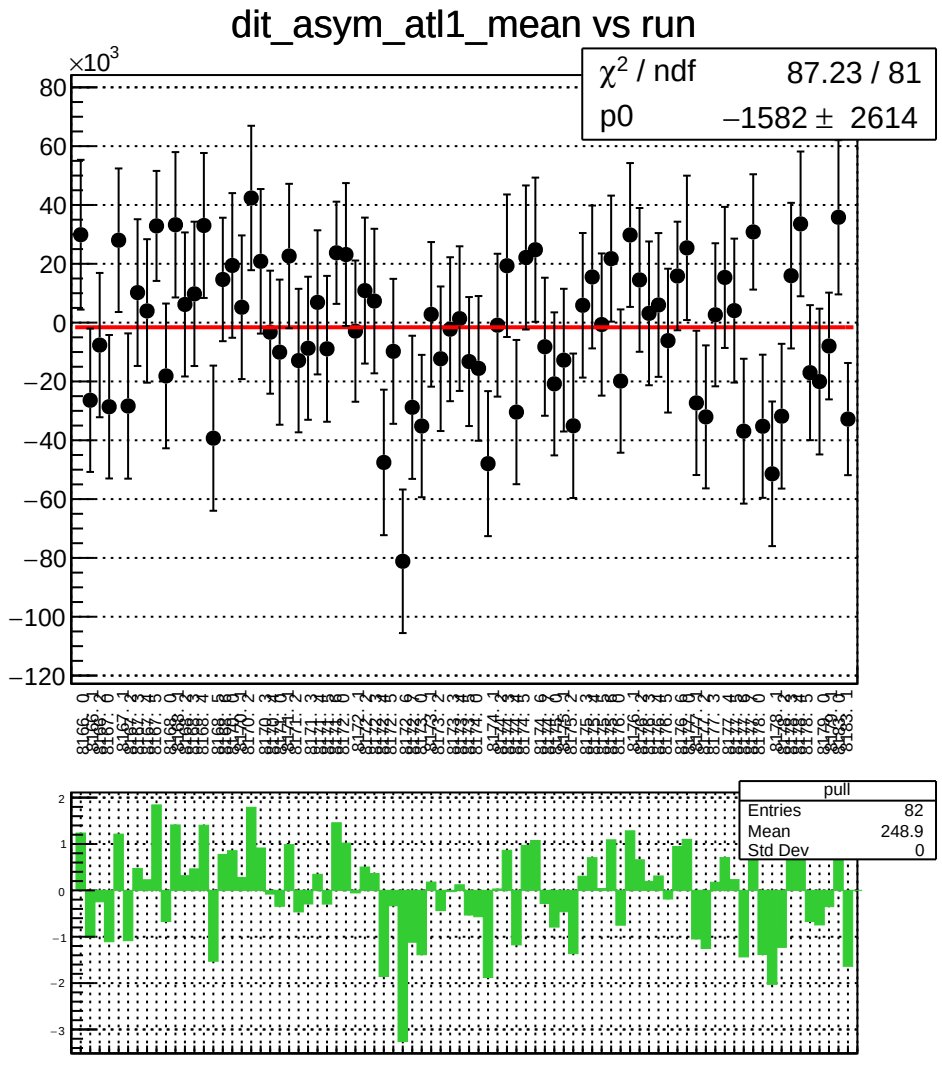

pull1D
Entries 82
Mean −0.0162
Std Dev 1.034

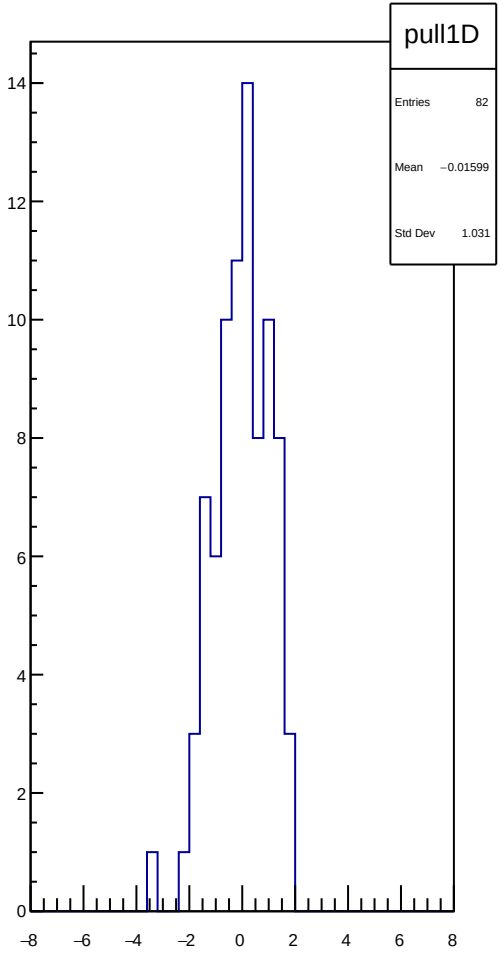

eigen_cor_asym_atl1_rms vs run
χ^2 / ndf 188.2 / 81
p0 2324 ± 1.847
2500
2450
2400
2350
2300
2250

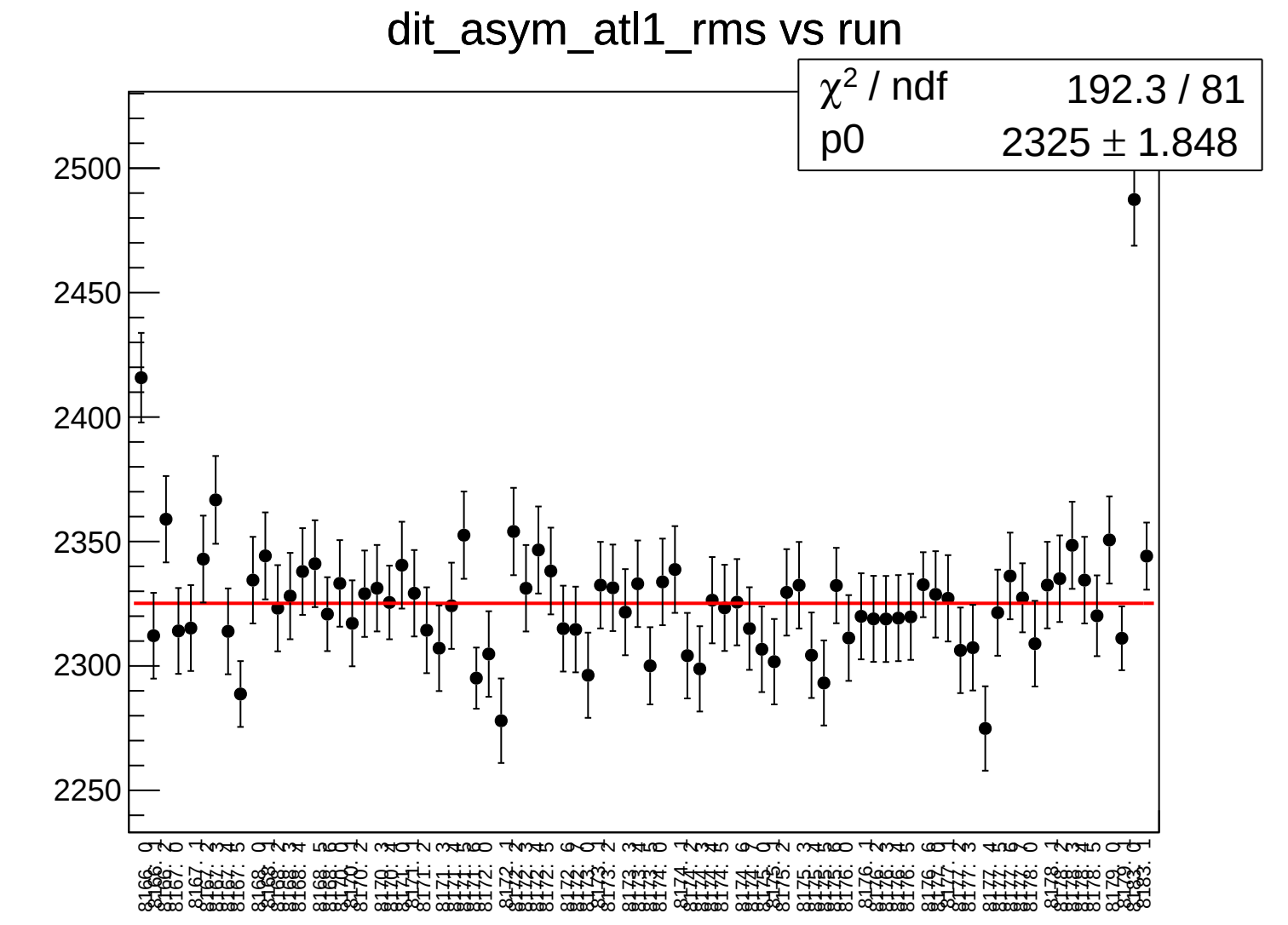

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 89.6 / 81
p0 891.7 ± 1009
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −137.2
Std Dev 0
2
1
0
−1
−2
−3

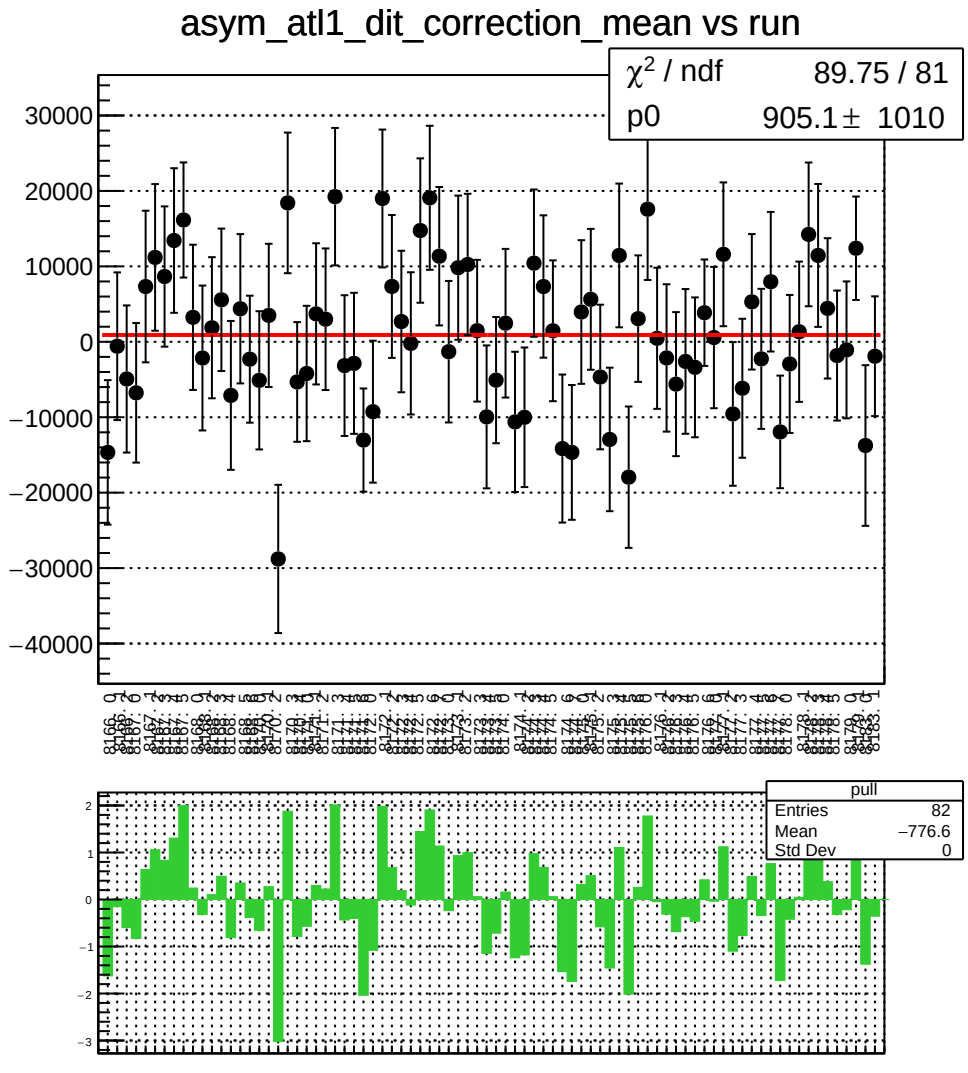

pull1D
Entries 82
Mean 0.006153
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

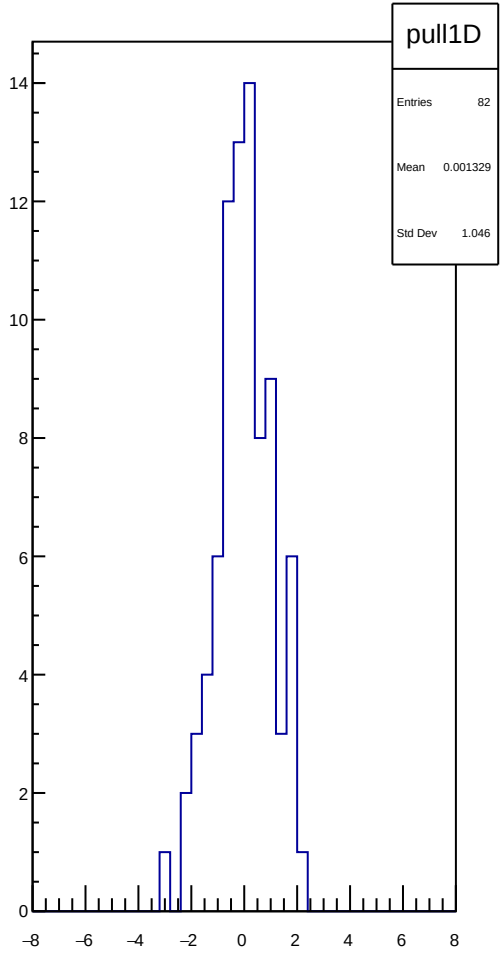

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 9145 / 81
p0 895.4 ± 0.7138
1100
1050
1000
950
900
850
800

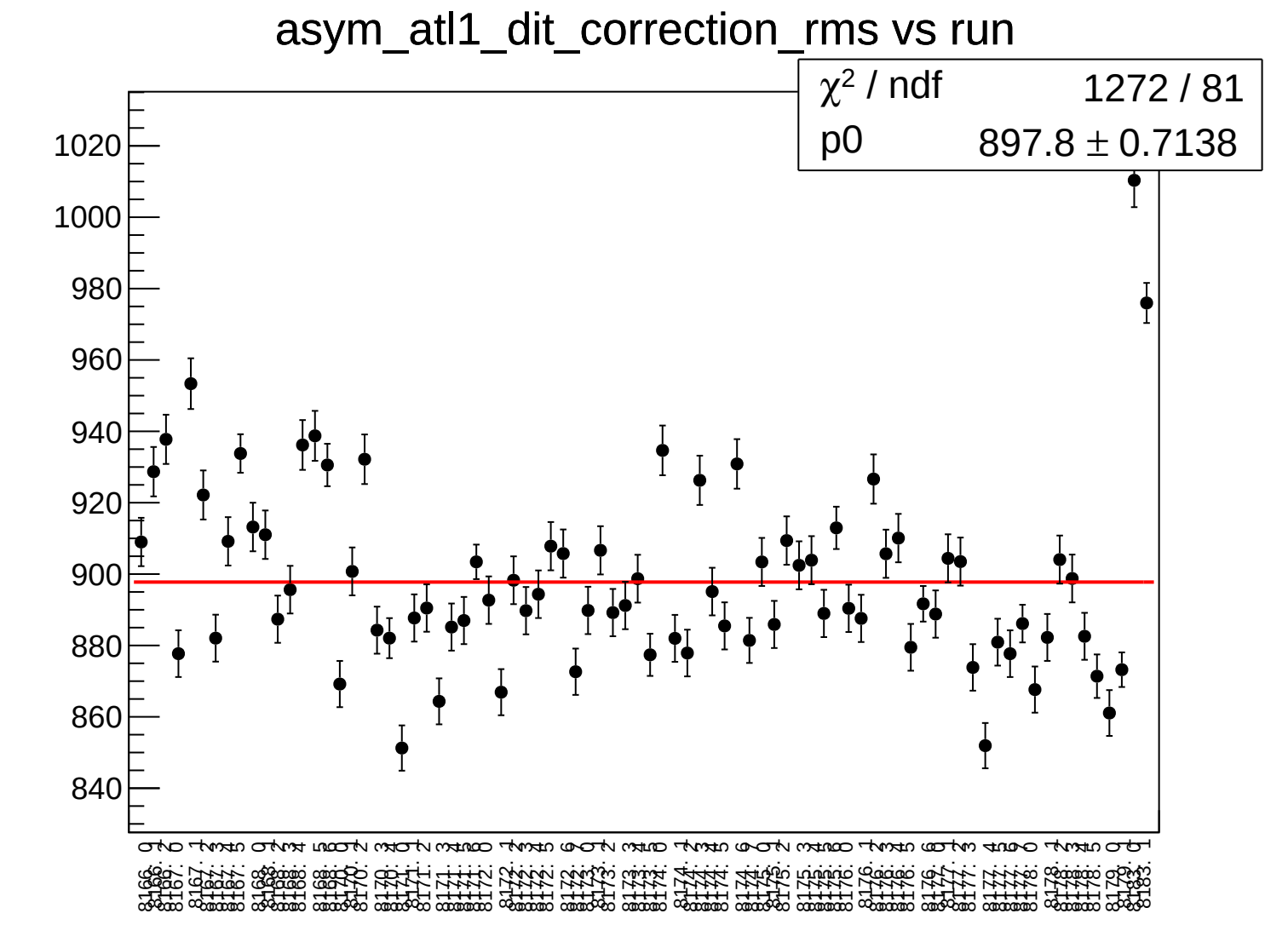

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 87.23 / 81
p0 −1582 ± 2614
pull
Entries 82
Mean 248.9
Std Dev 0

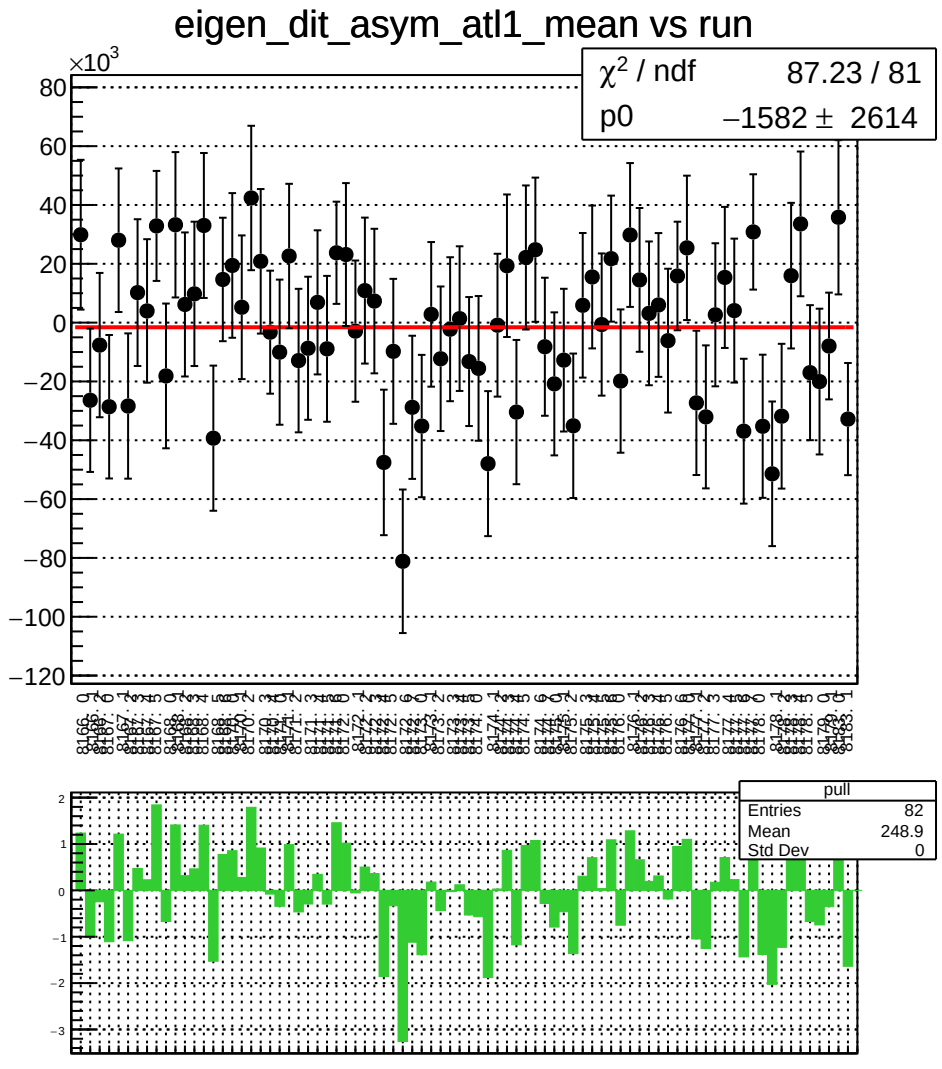

pull1D
Entries 82
Mean −0.01599
Std Dev 1.031

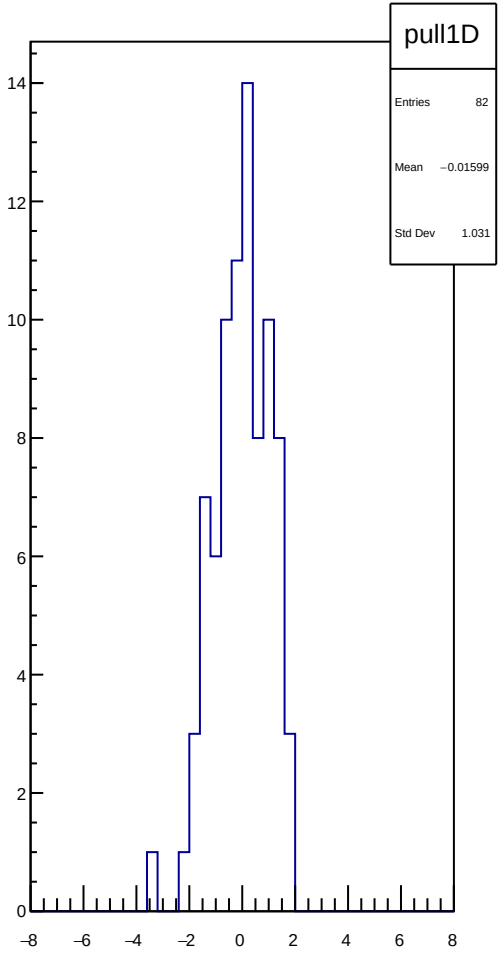

dit_asym_atl1_rms vs run
χ² / ndf 192.3 / 81
p0 2325 ± 1.848
2500
2450
2400
2350
2300
2250

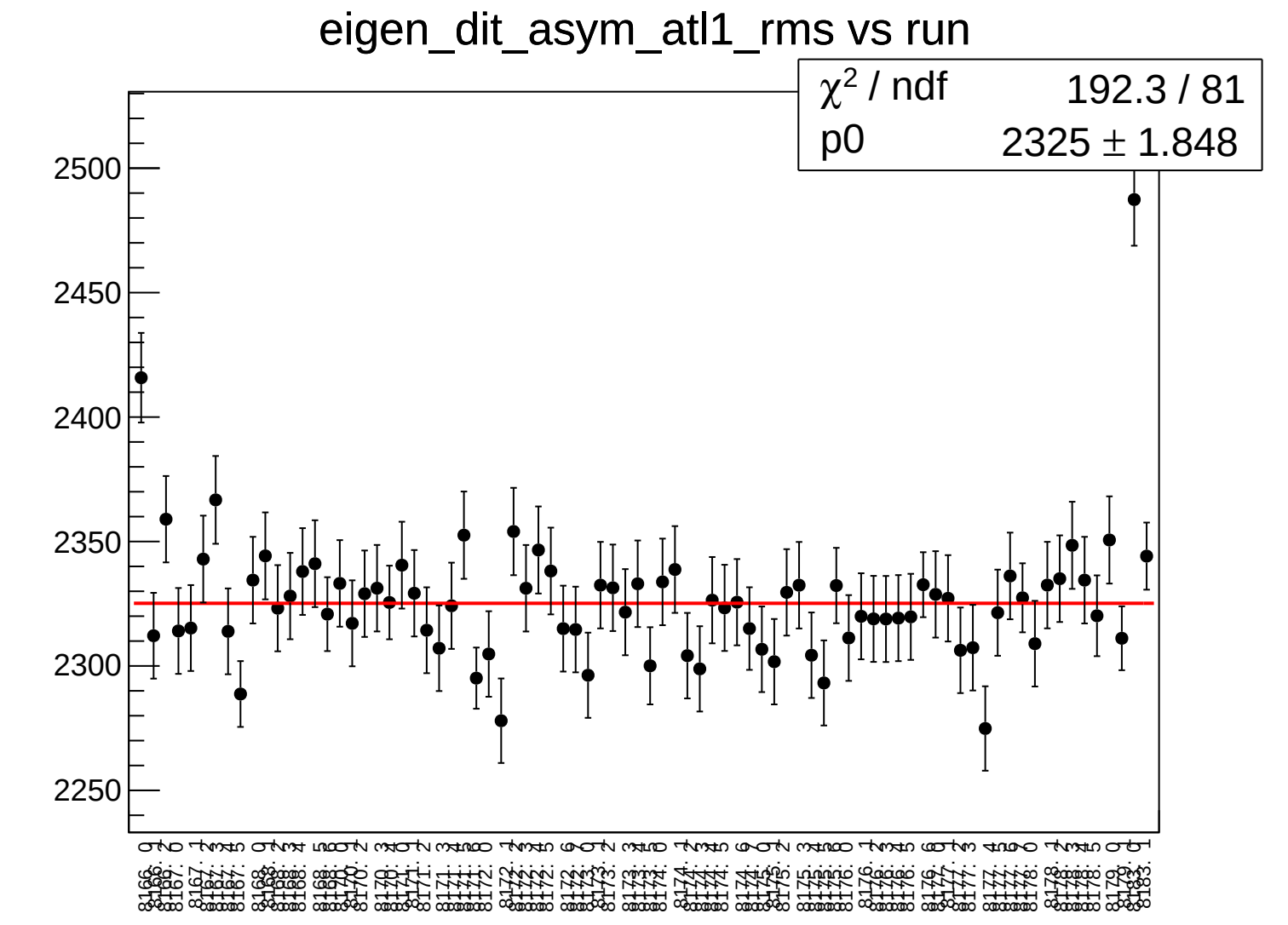

asym_atl1_dit_correction_mean vs run
χ² / ndf 89.75 / 81
p0 905.1 ± 1010
pull
Entries 82
Mean −776.6
Std Dev 0

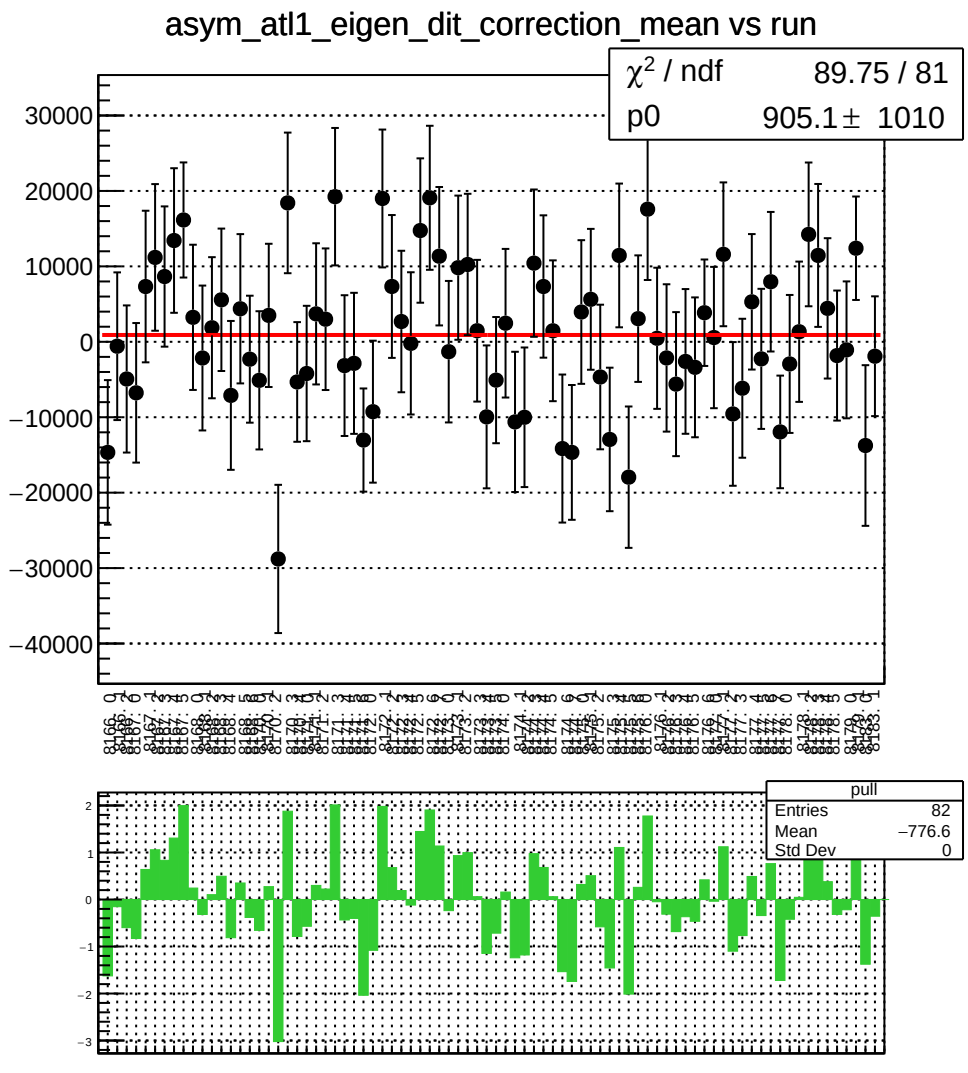

pull1D
Entries 82
Mean 0.001329
Std Dev 1.046

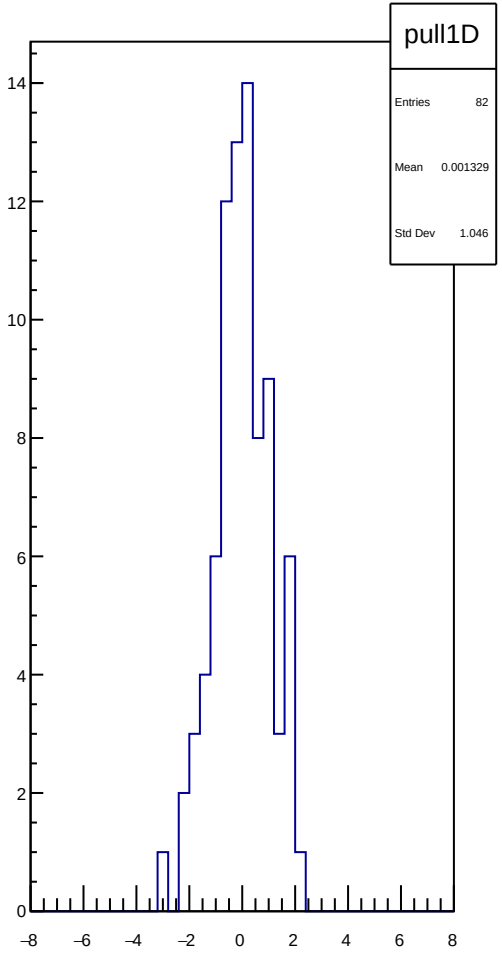

asym_atl1_dit_correction_rms vs run
χ² / ndf 1272 / 81
p0 897.8 ± 0.7138
1020
1000
980
960
940
920
900
880
860
840

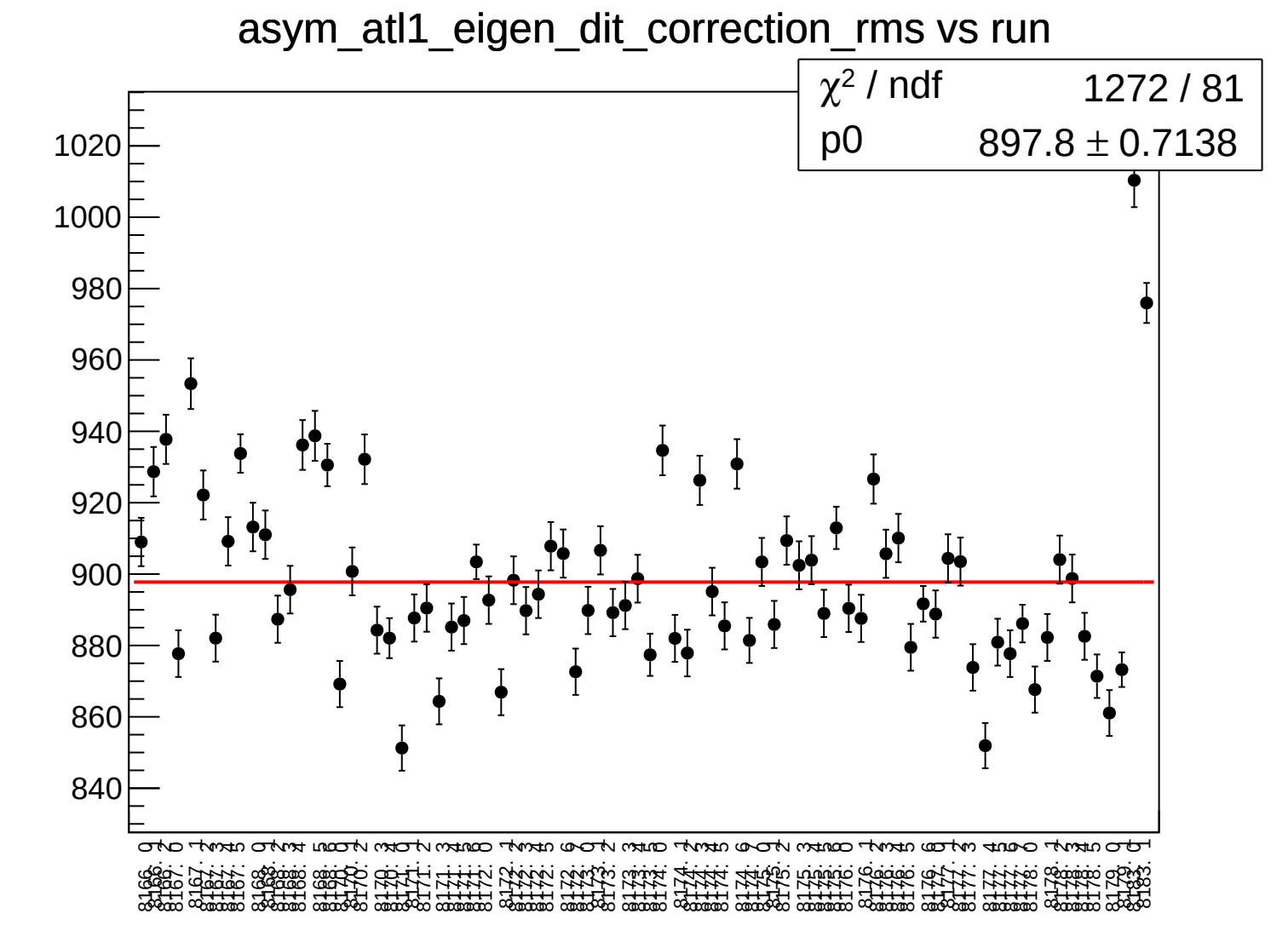

eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 87.23 / 81
p0 −1582 ± 2614
pull
Entries 82
Mean 248.9
Std Dev 0

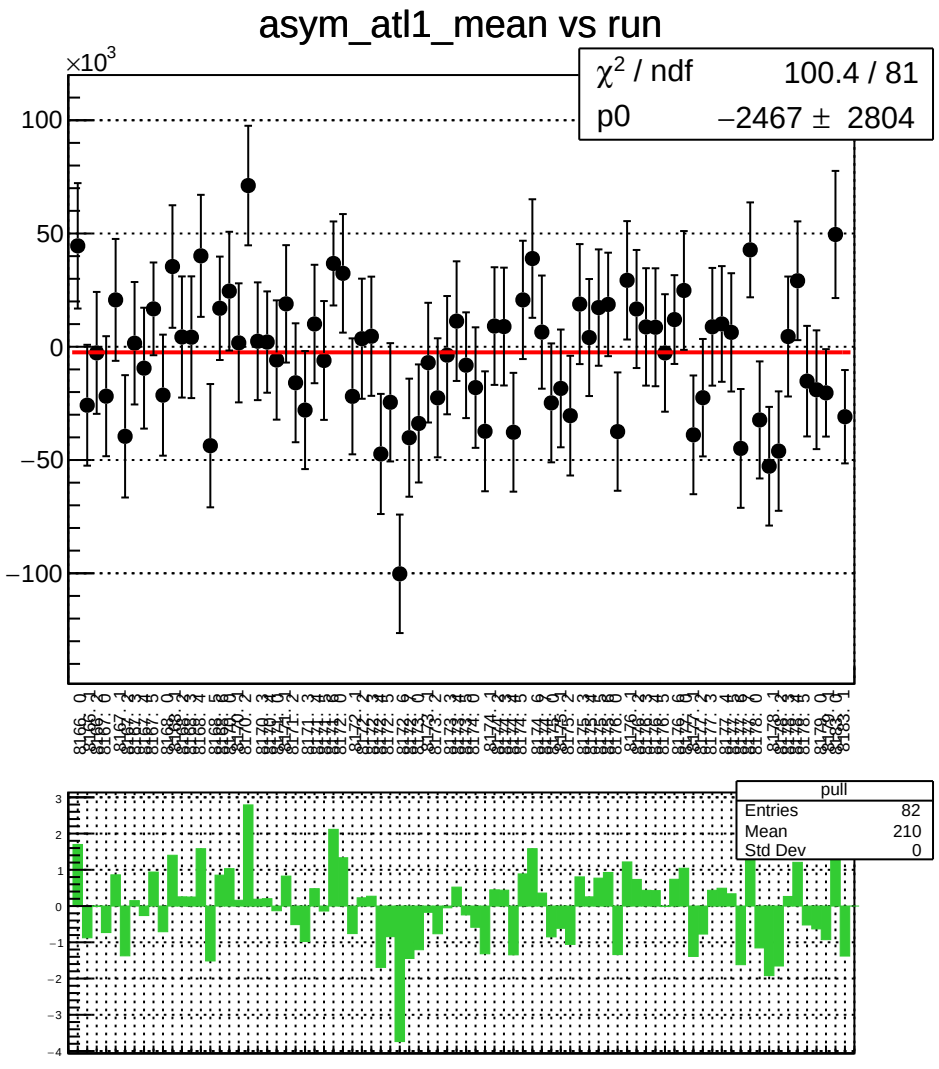

pull1D
Entries 82
Mean −0.01599
Std Dev 1.031

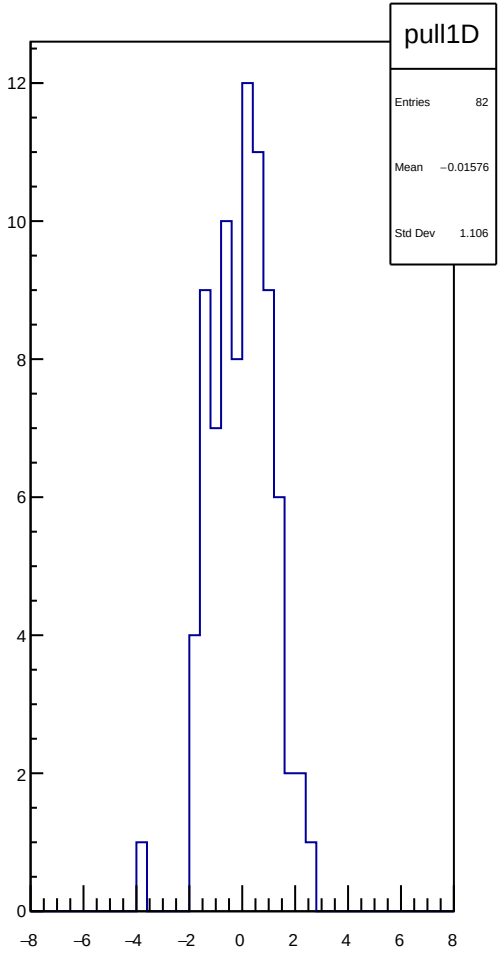

eigen_dit_asym_atl1_rms vs run
χ^2 / ndf 192.3 / 81
p0 2325 ± 1.848
2500
2450
2400
2350
2300
2250

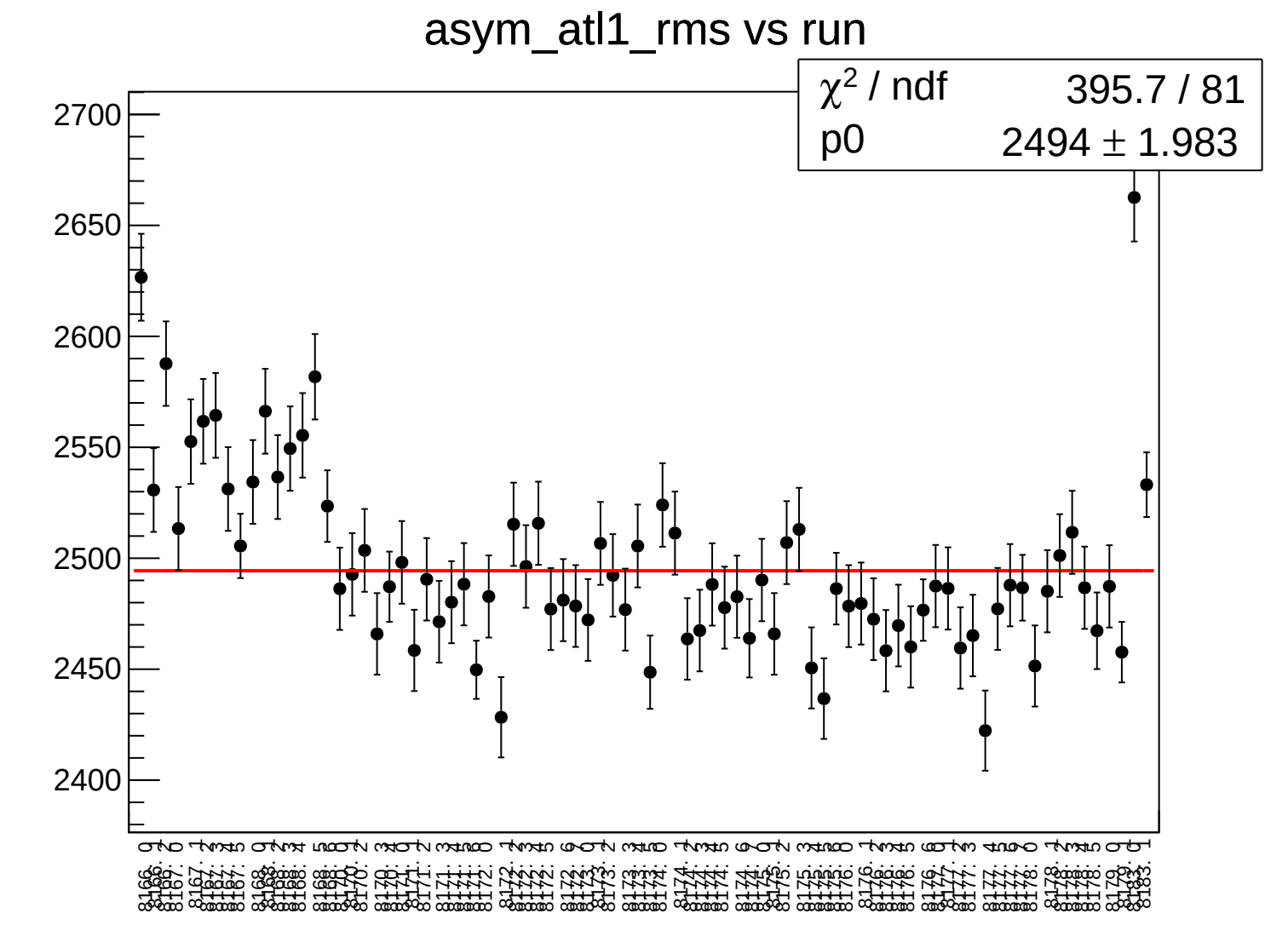

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 89.75 / 81
p0 905.1 ± 1010
pull
Entries 82
Mean −776.6
Std Dev 0

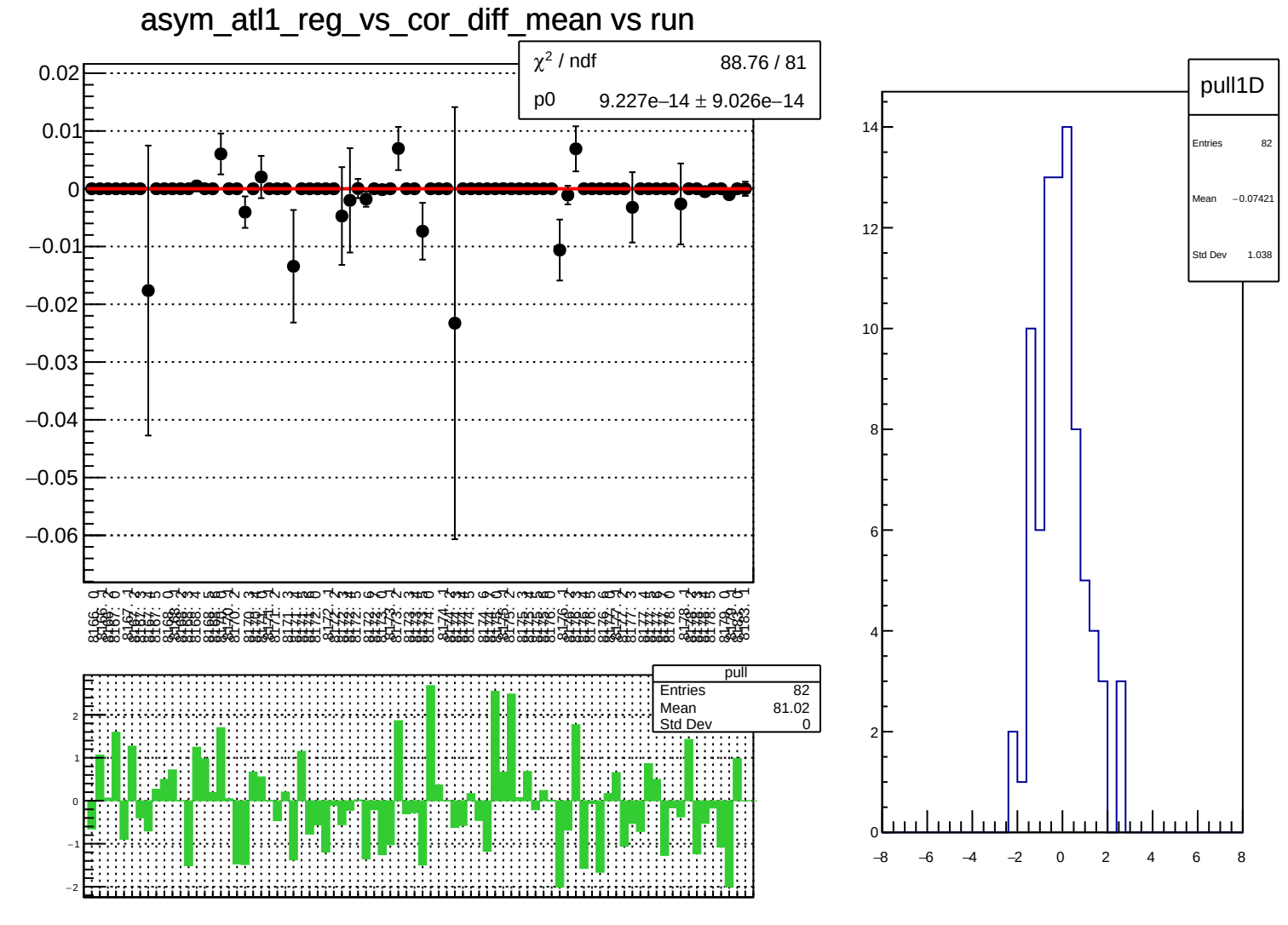

pull1D
Entries 82
Mean 0.001329
Std Dev 1.046

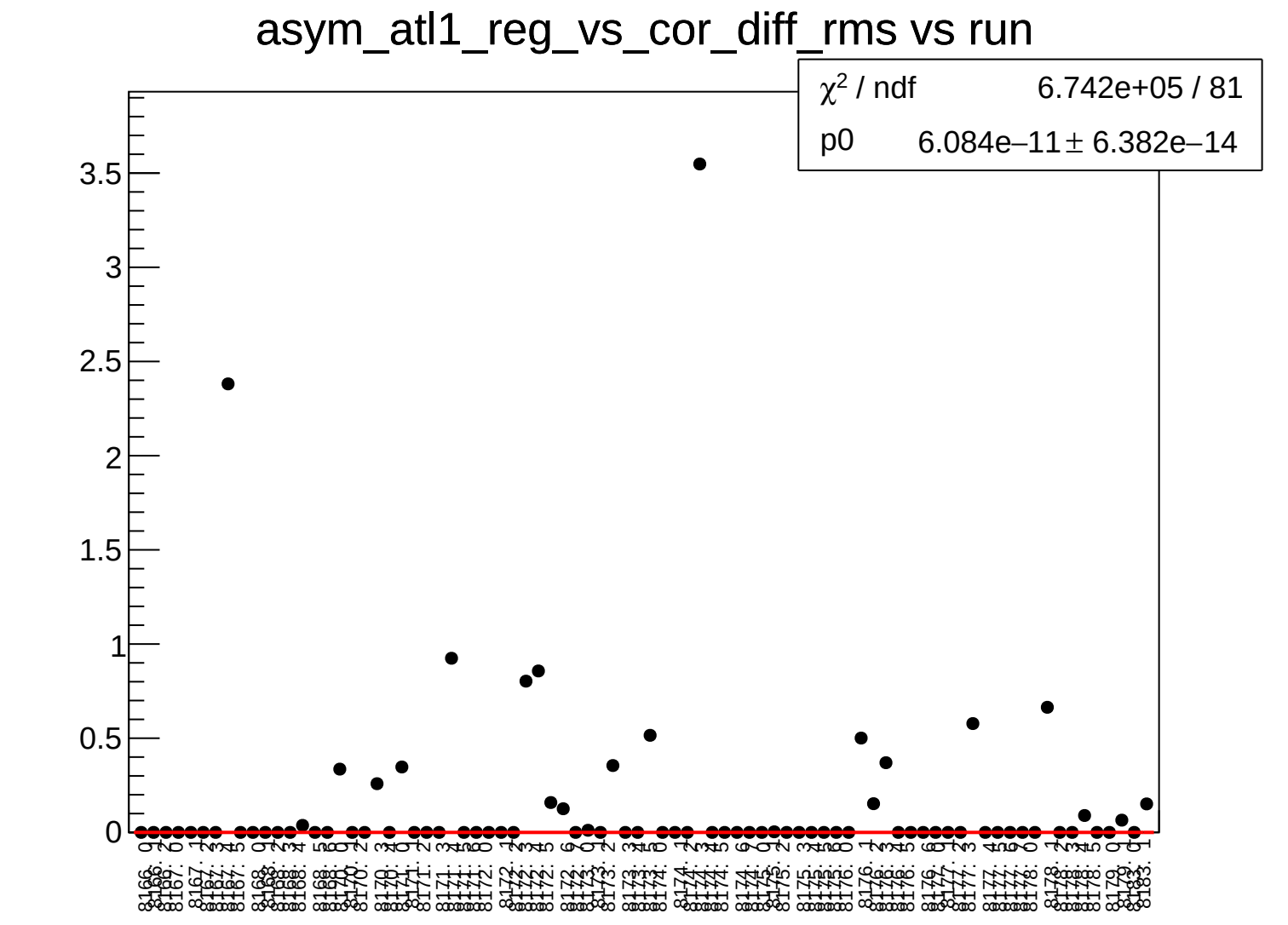

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1272 / 81
p0 897.8 ± 0.7138
1020
1000
980
960
940
920
900
880
860
840

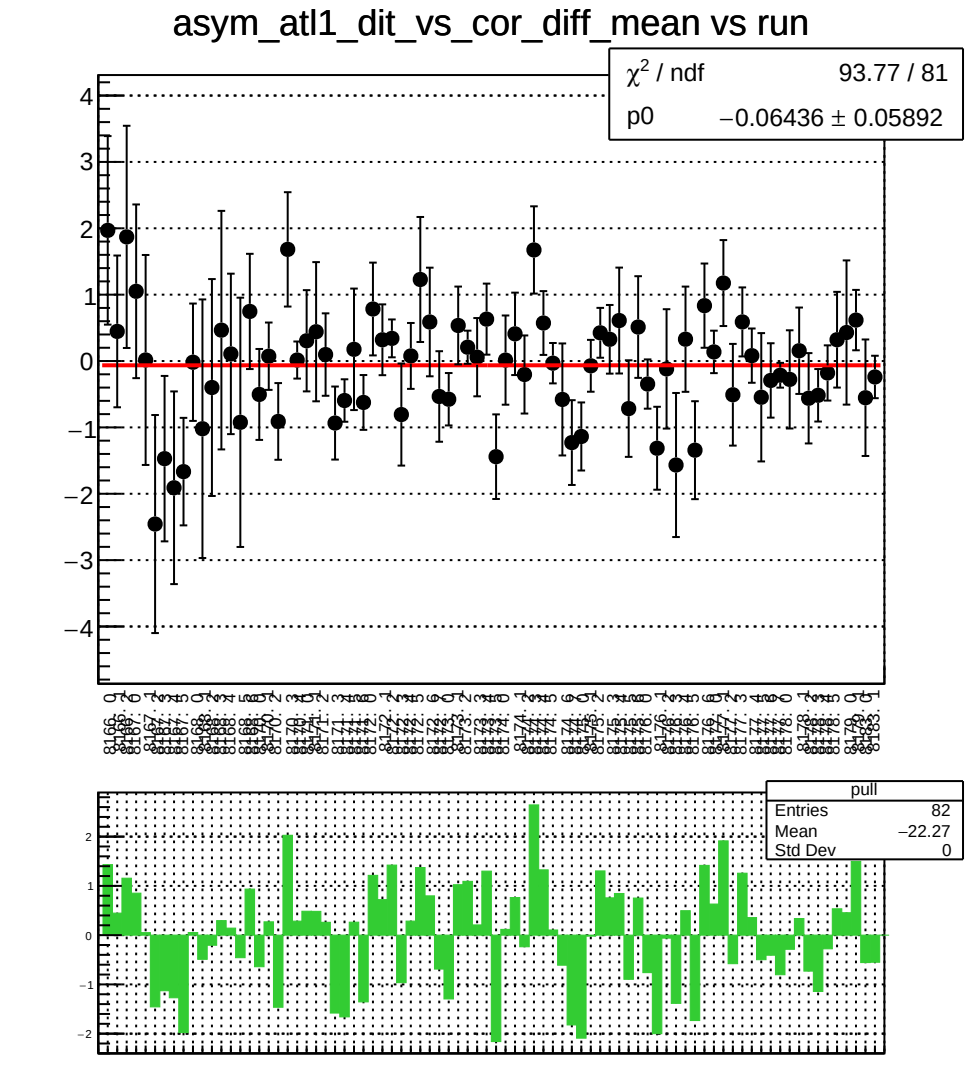

asym_atl1_mean vs run
×10^3
χ^2 / ndf 100.4 / 81
p0 −2467 ± 2804
100
50
0
−50
−100
pull
Entries 82
Mean 210
Std Dev 0
3
2
1
0
−1
−2
−3
−4

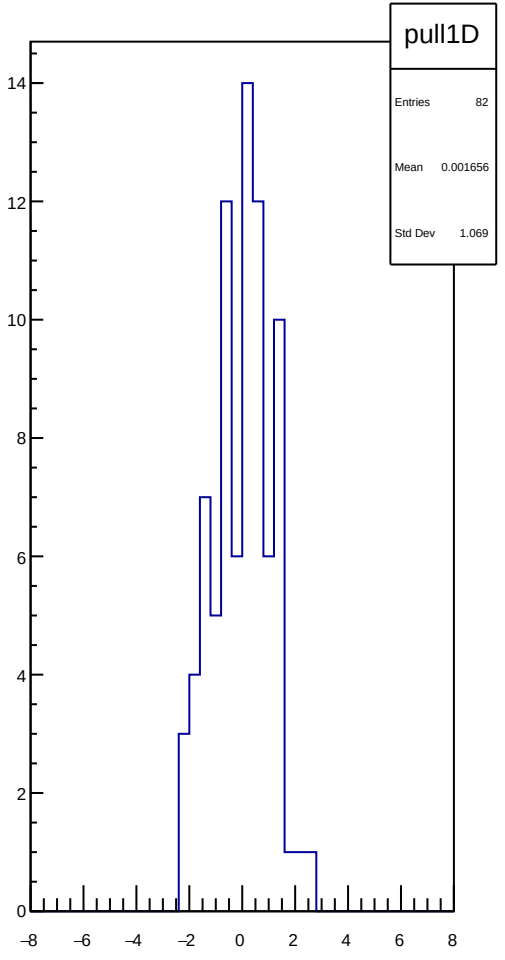

pull1D
Entries 82
Mean −0.01576
Std Dev 1.106
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

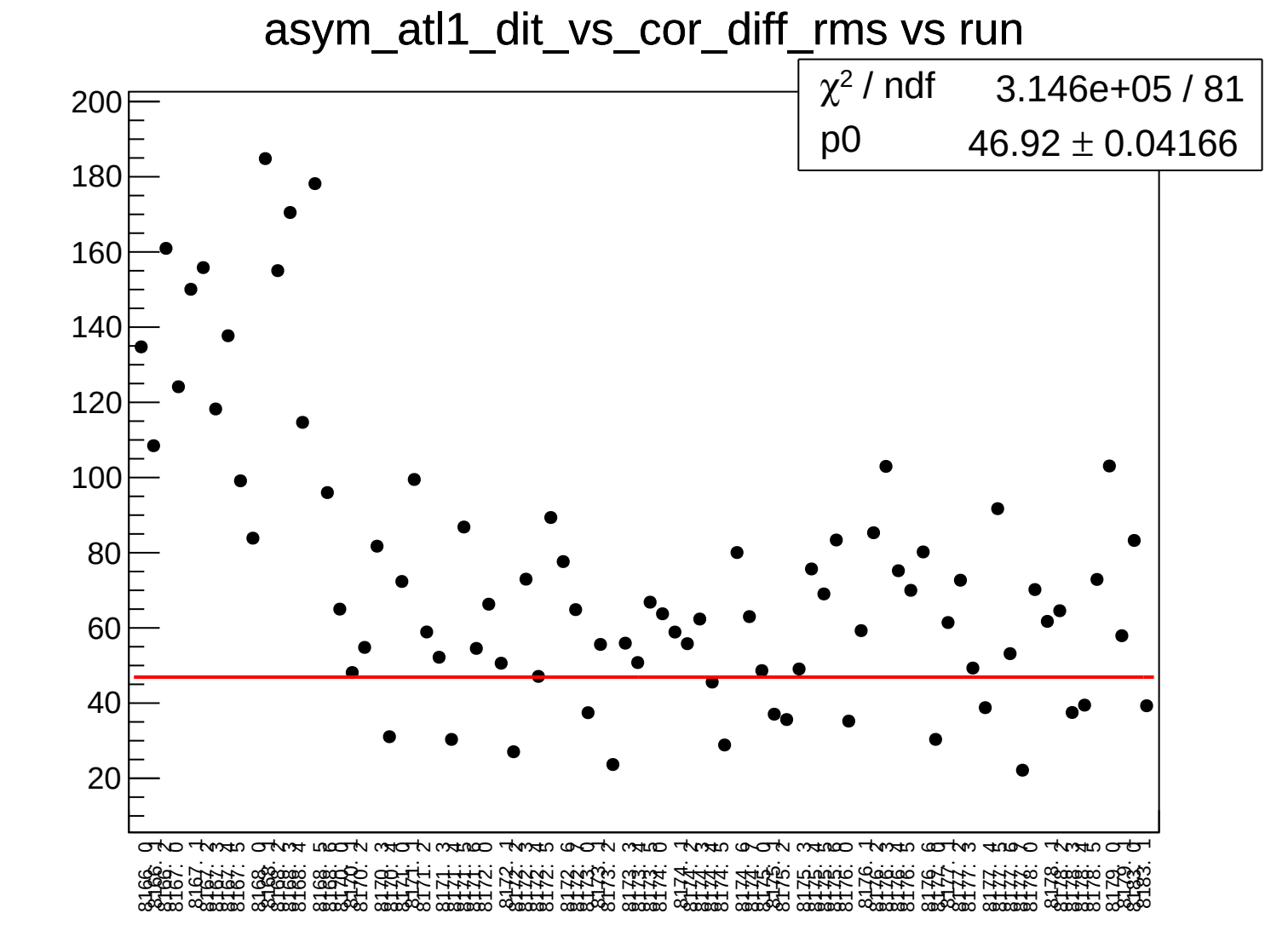

asym_atl1_rms vs run
χ^2 / ndf 395.7 / 81
p0 2494 ± 1.983
2700
2650
2600
2550
2500
2450
2400

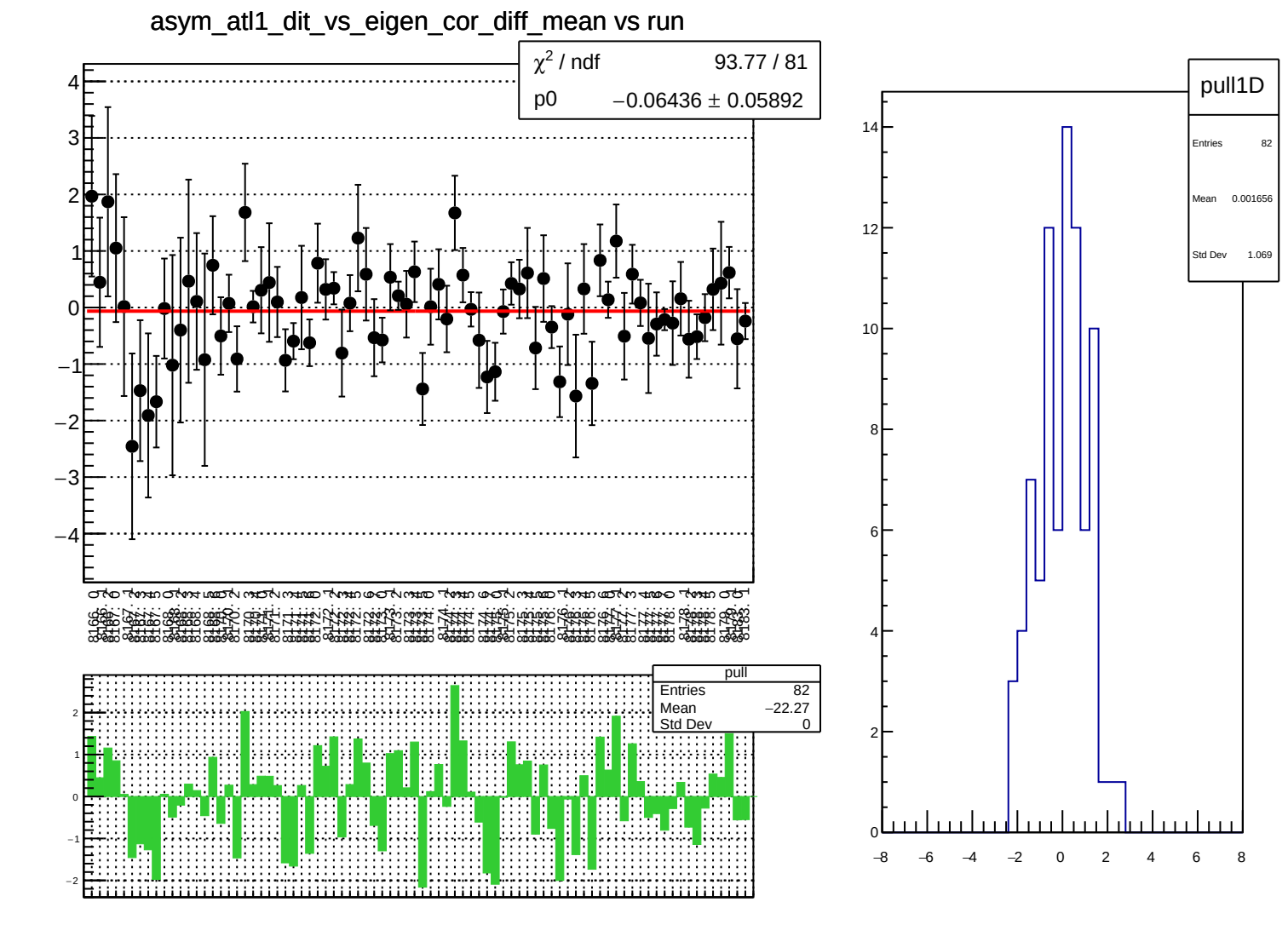

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 88.76 / 81
p0 9.227e−14 ± 9.026e−14
pull
Entries 82
Mean 81.02
Std Dev 0
pull1D
Entries 82
Mean −0.07421
Std Dev 1.038

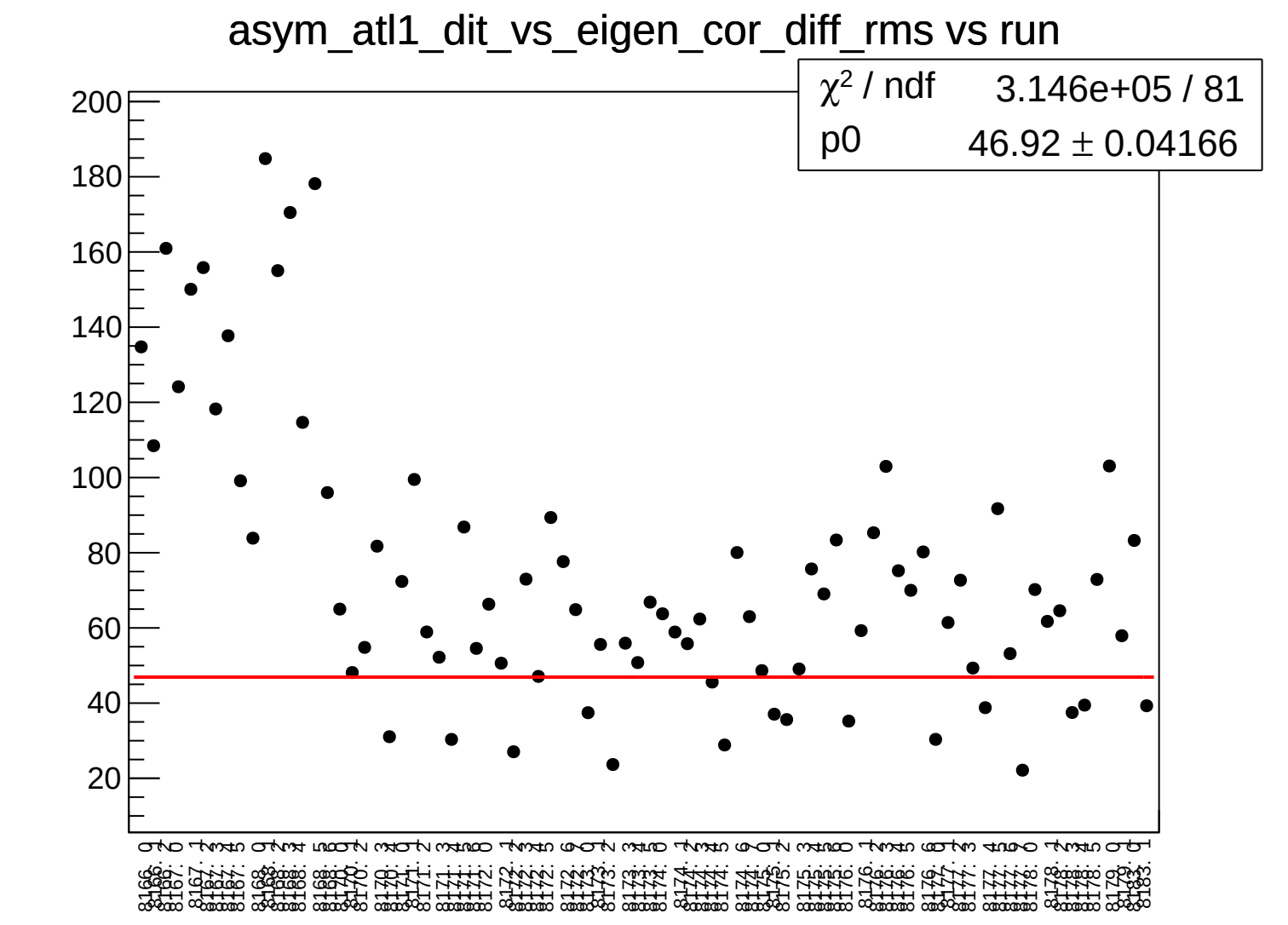

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.742e+05 / 81
p0 6.084e−11 ± 6.382e−14
3.5
3
2.5
2
1.5
1
0.5
0

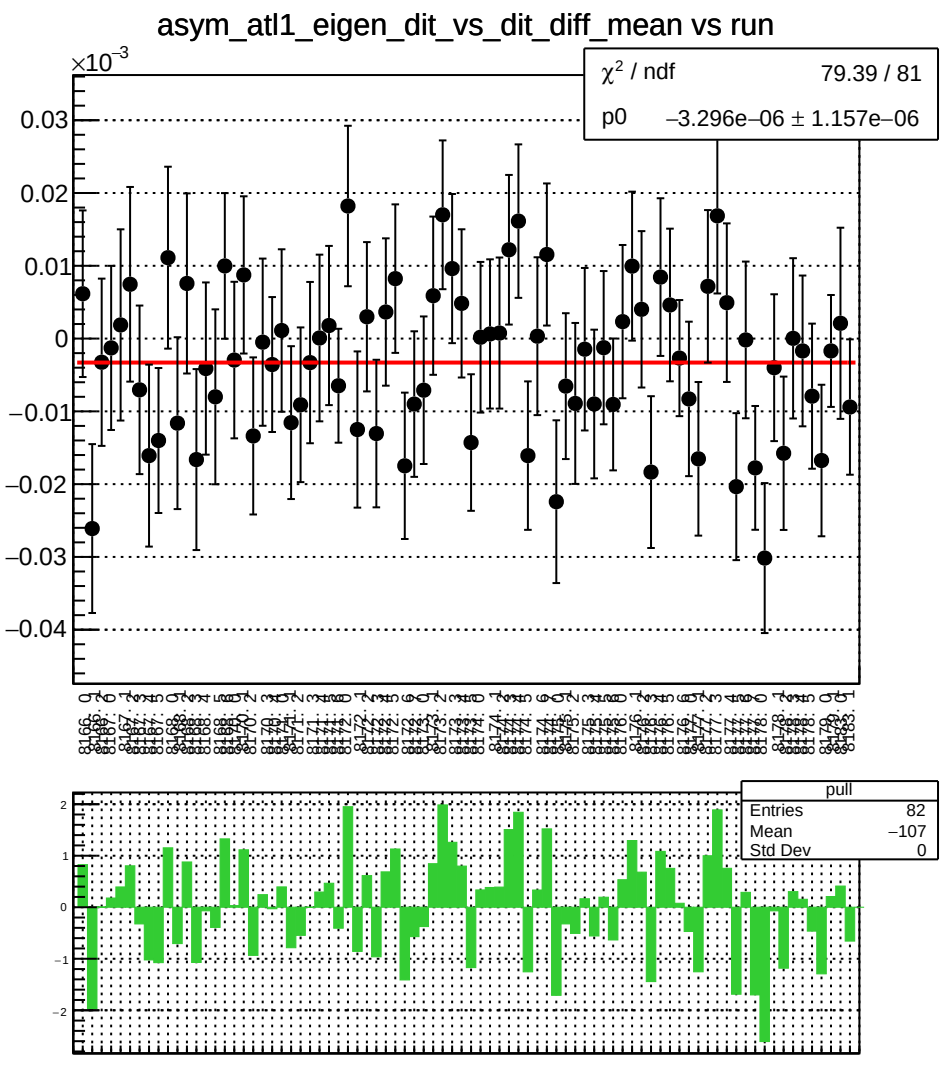

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 93.77 / 81
p0 −0.06436 ± 0.05892
pull
Entries 82
Mean −22.27
Std Dev 0

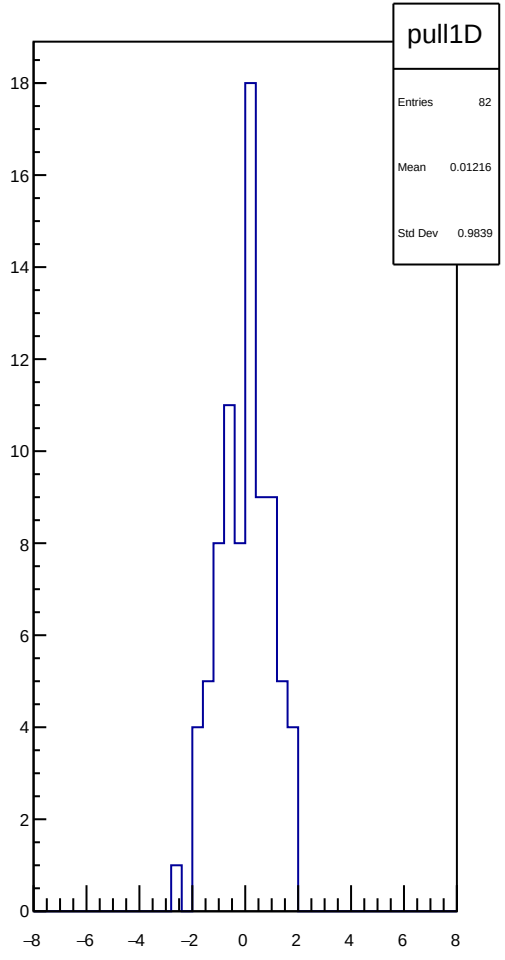

pull1D
Entries 82
Mean 0.001656
Std Dev 1.069

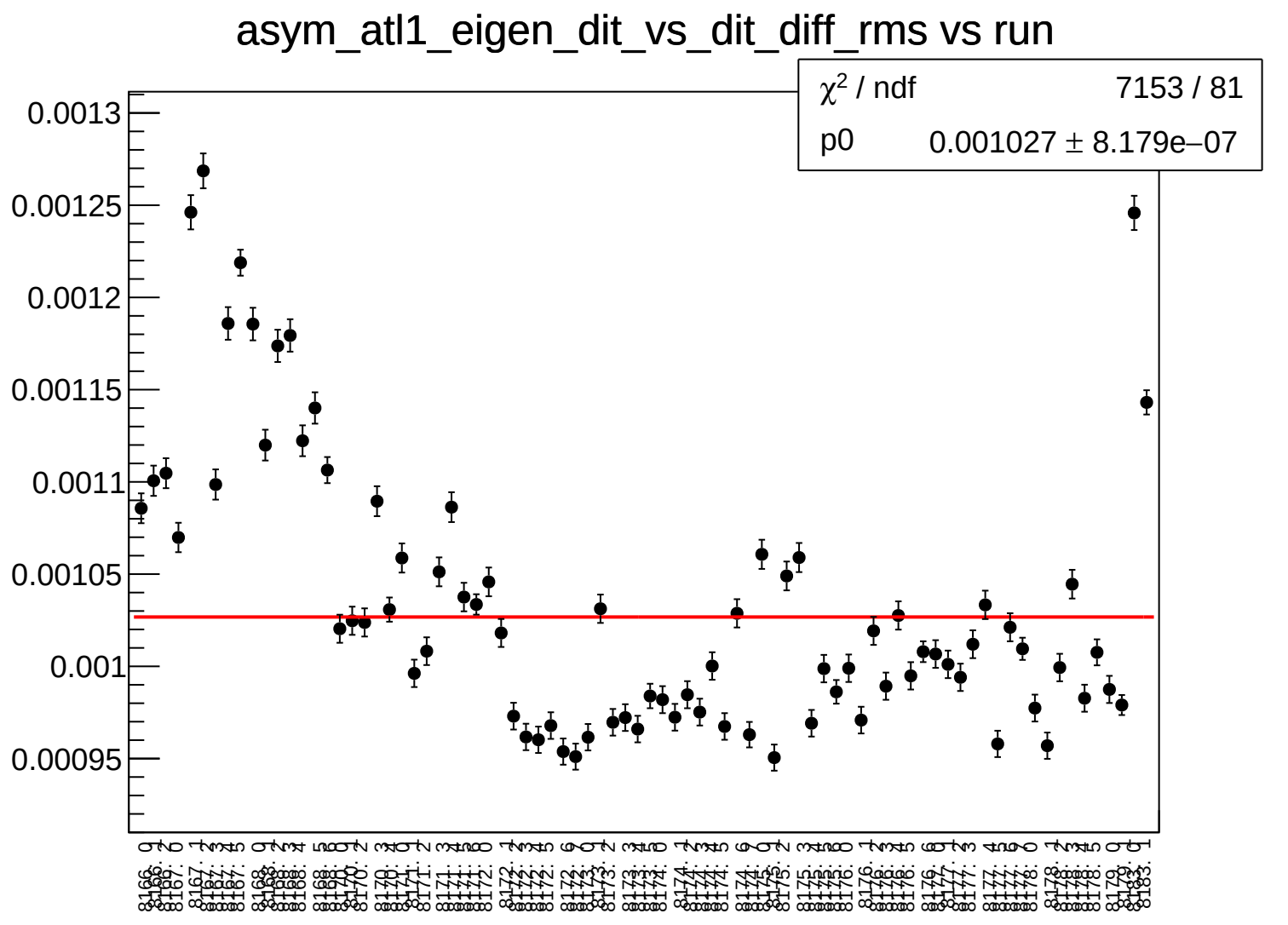

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 3.146e+05 / 81
p0 46.92 ± 0.04166
200
180
160
140
120
100
80
60
40
20

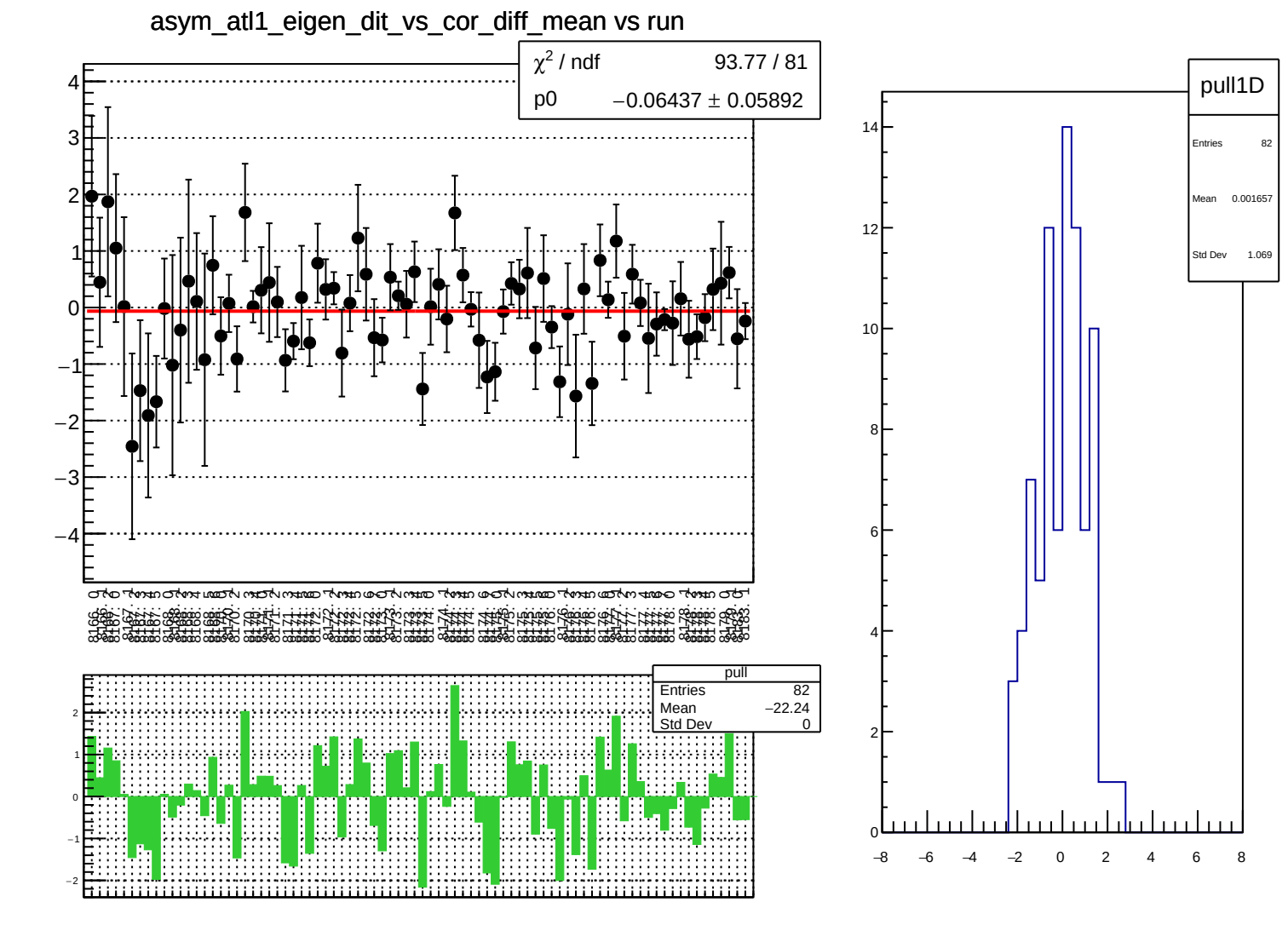

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.77 / 81
p0 −0.06436 ± 0.05892
pull
Entries 82
Mean −22.27
Std Dev 0
pull1D
Entries 82
Mean 0.001656
Std Dev 1.069

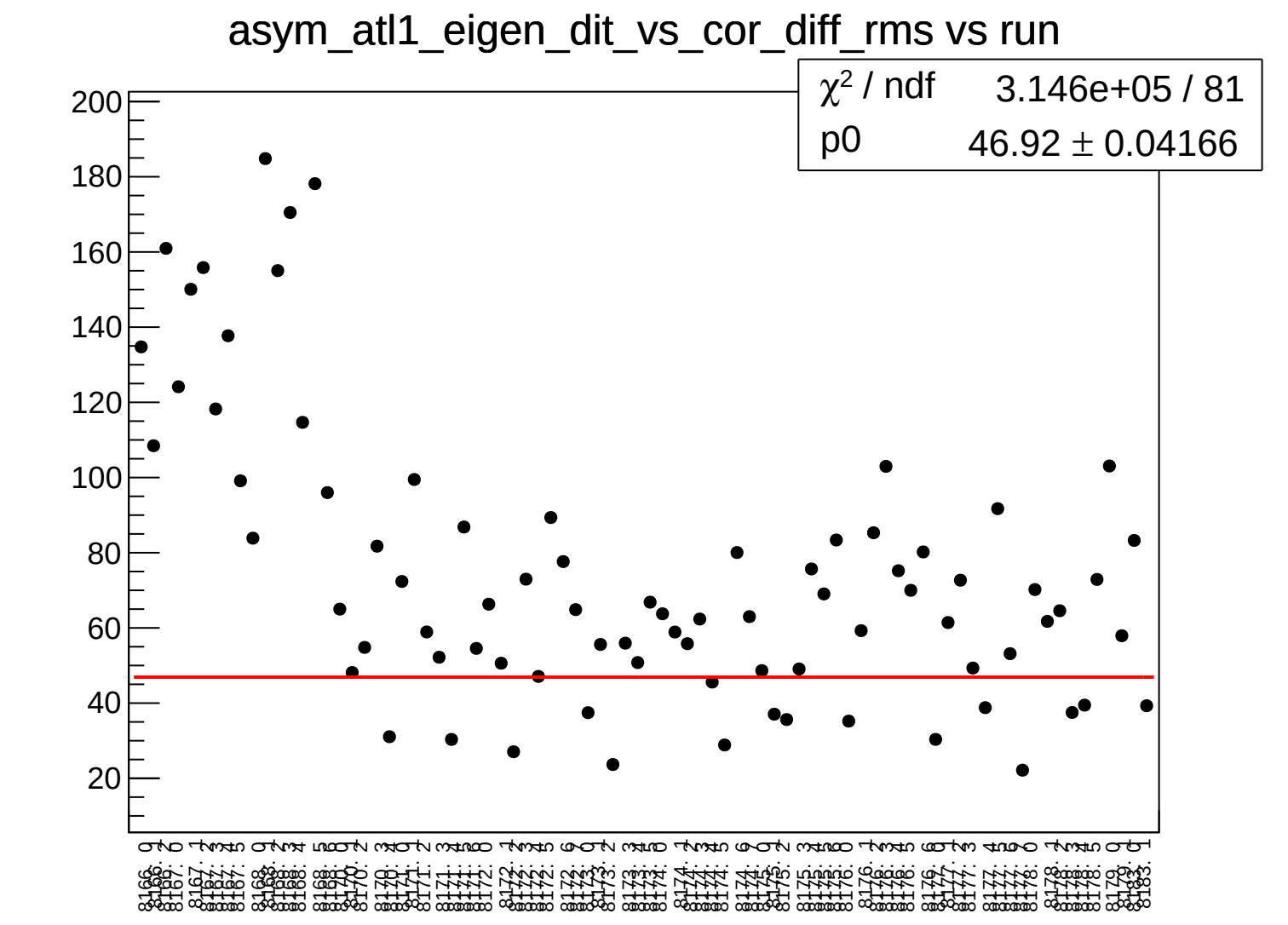

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.146e+05 / 81
p0 46.92 ± 0.04166
200
180
160
140
120
100
80
60
40
20

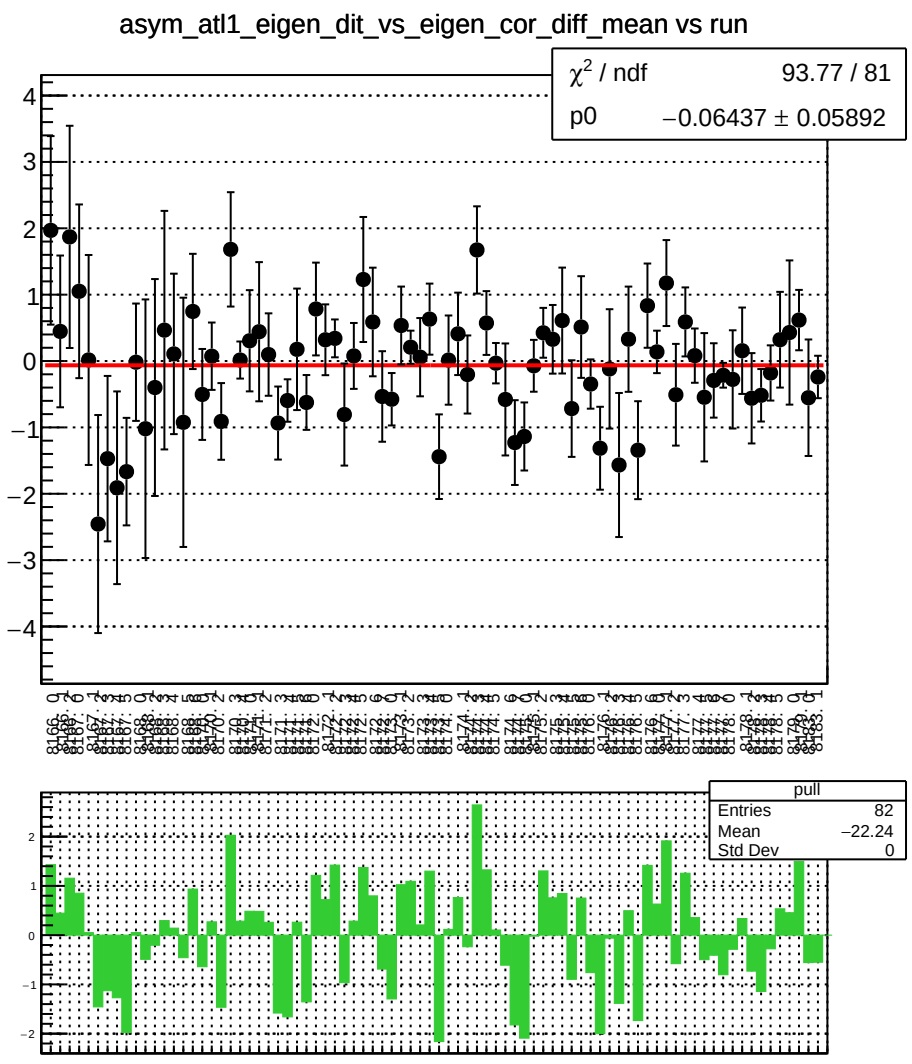

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 79.39 / 81
p0 −3.296e−06 ± 1.157e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 82
Mean −107
Std Dev 0
2
1
0
−1
−2

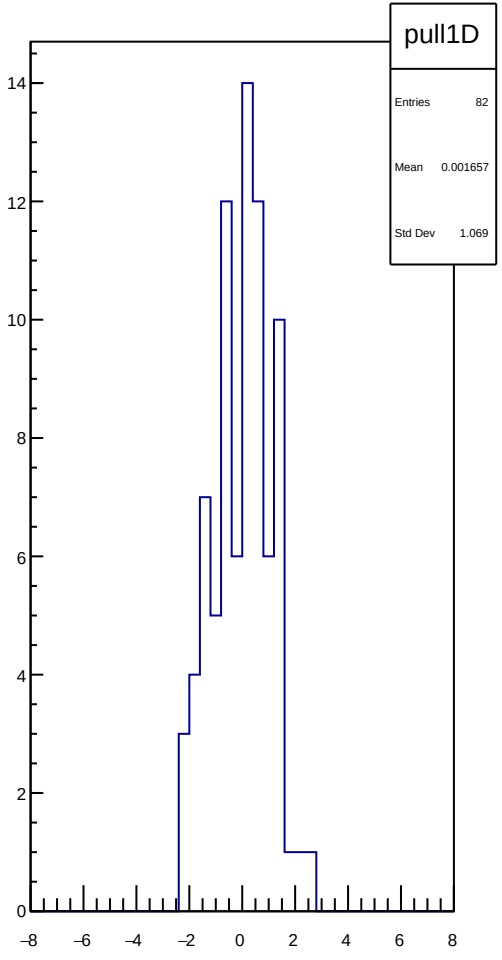

pull1D
Entries 82
Mean 0.01216
Std Dev 0.9839
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

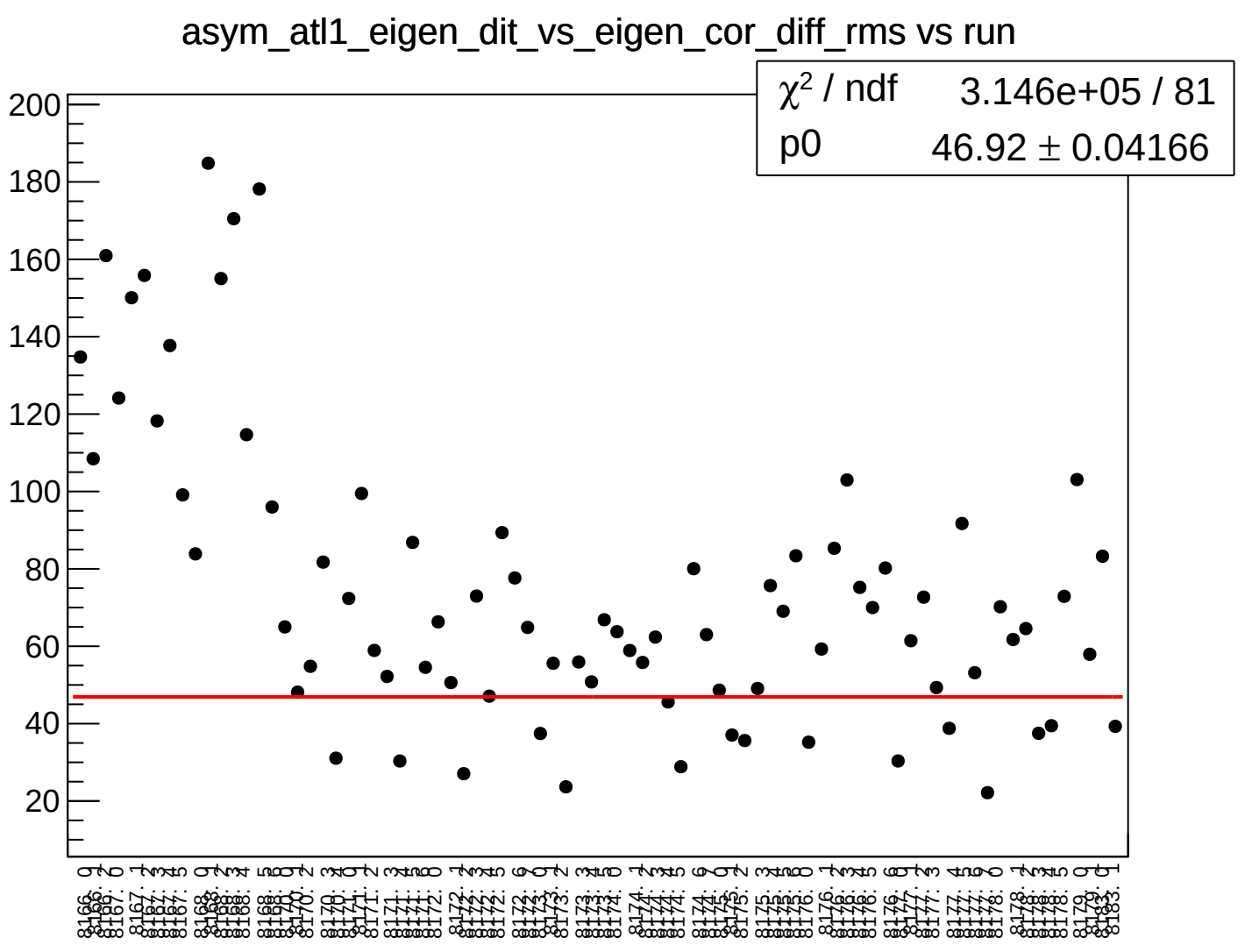

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7153 / 81
p0 0.001027 ± 8.179e−07
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095

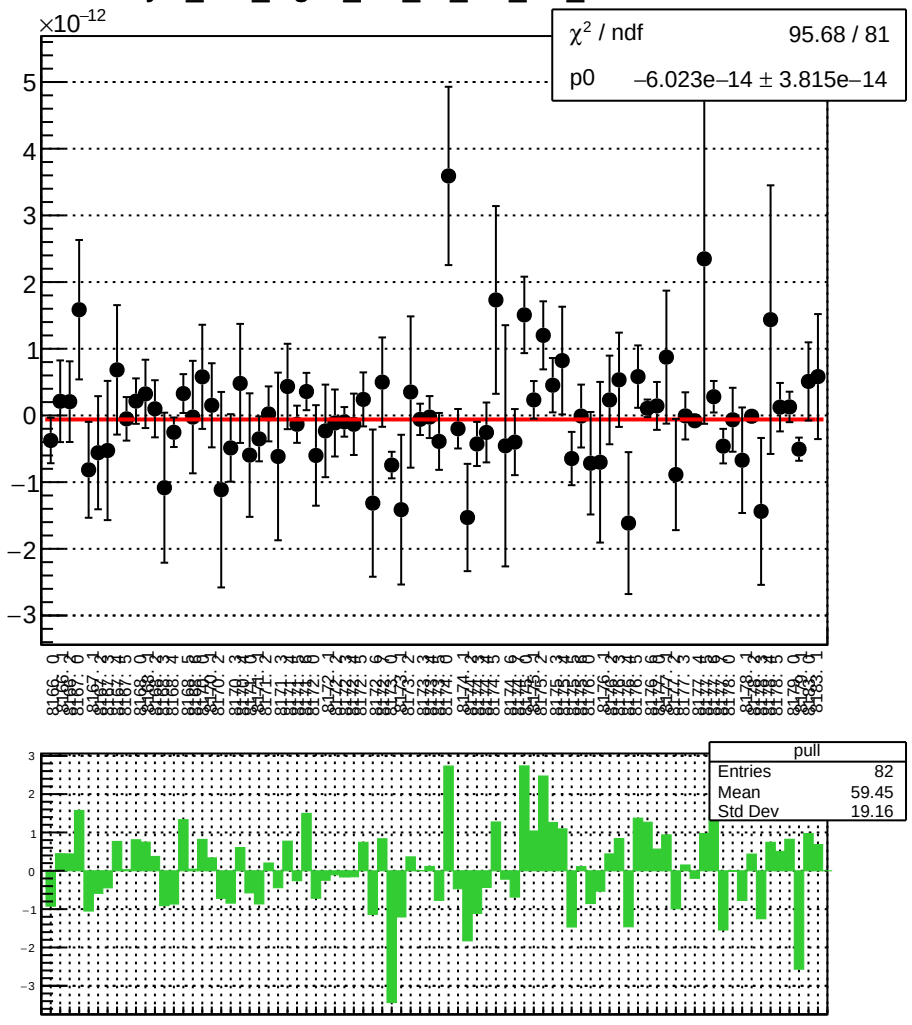

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.77 / 81
p0 −0.06437 ± 0.05892
pull
Entries 82
Mean −22.24
Std Dev 0
pull1D
Entries 82
Mean 0.001657
Std Dev 1.069

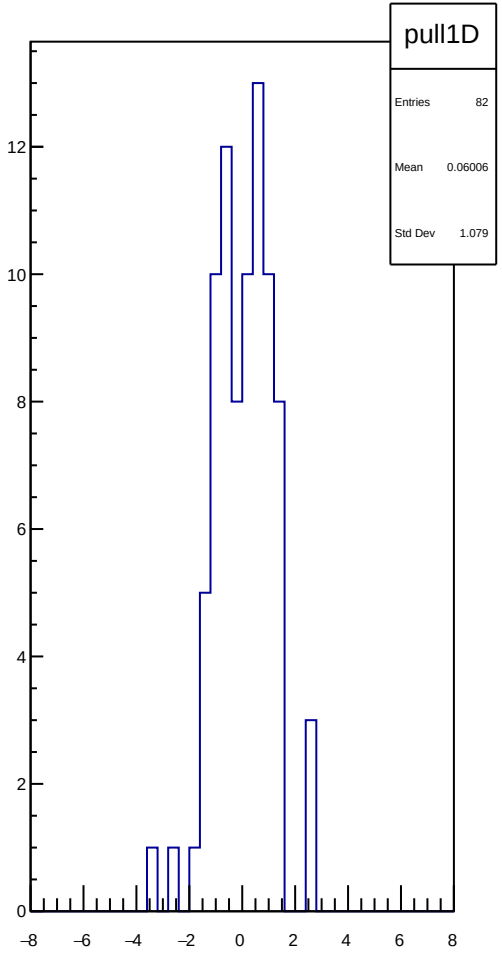

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.146e+05 / 81
p0 46.92 ± 0.04166
200
180
160
140
120
100
80
60
40
20

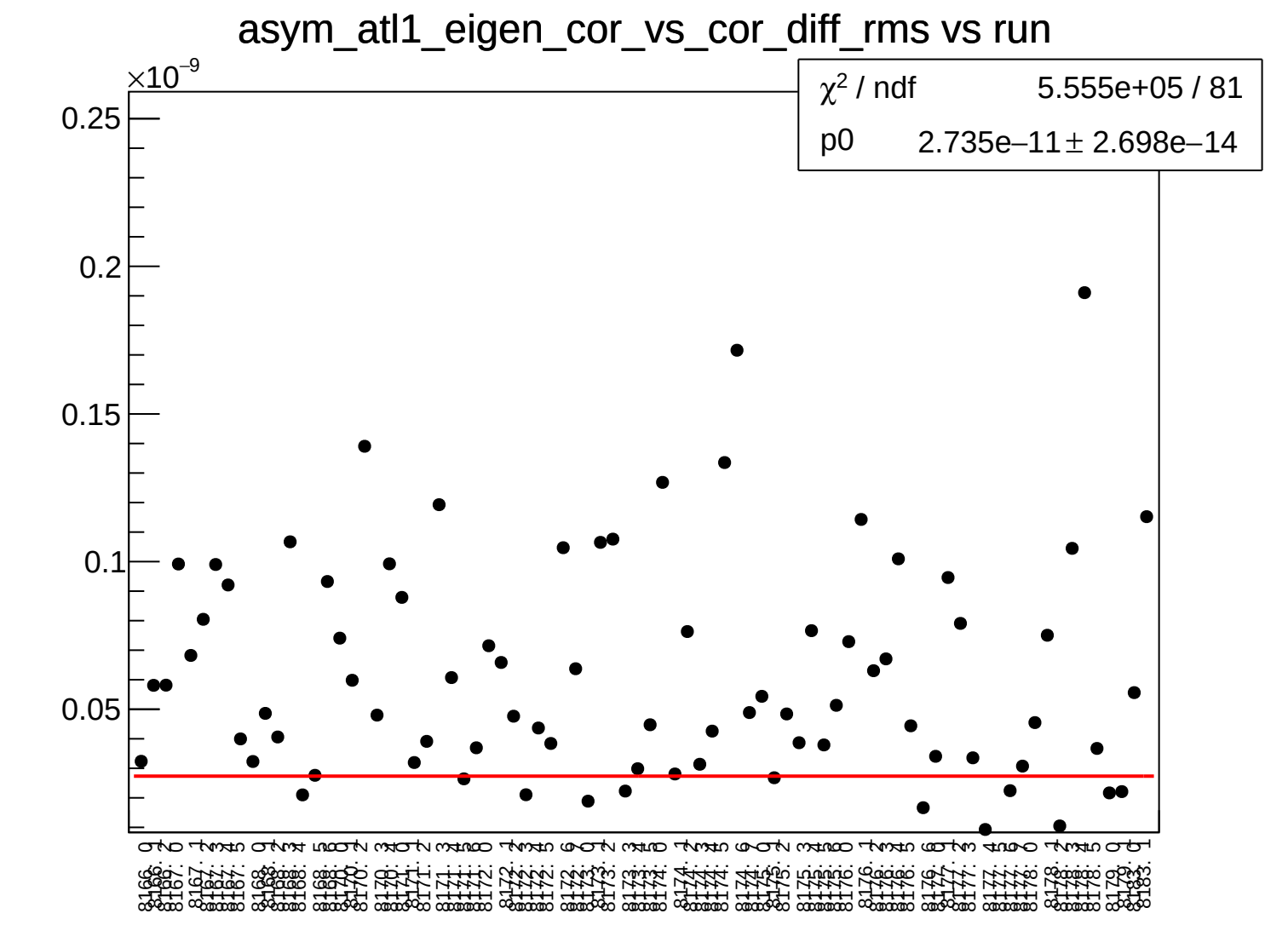

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.77 / 81
p0 −0.06437 ± 0.05892
pull
Entries 82
Mean −22.24
Std Dev 0

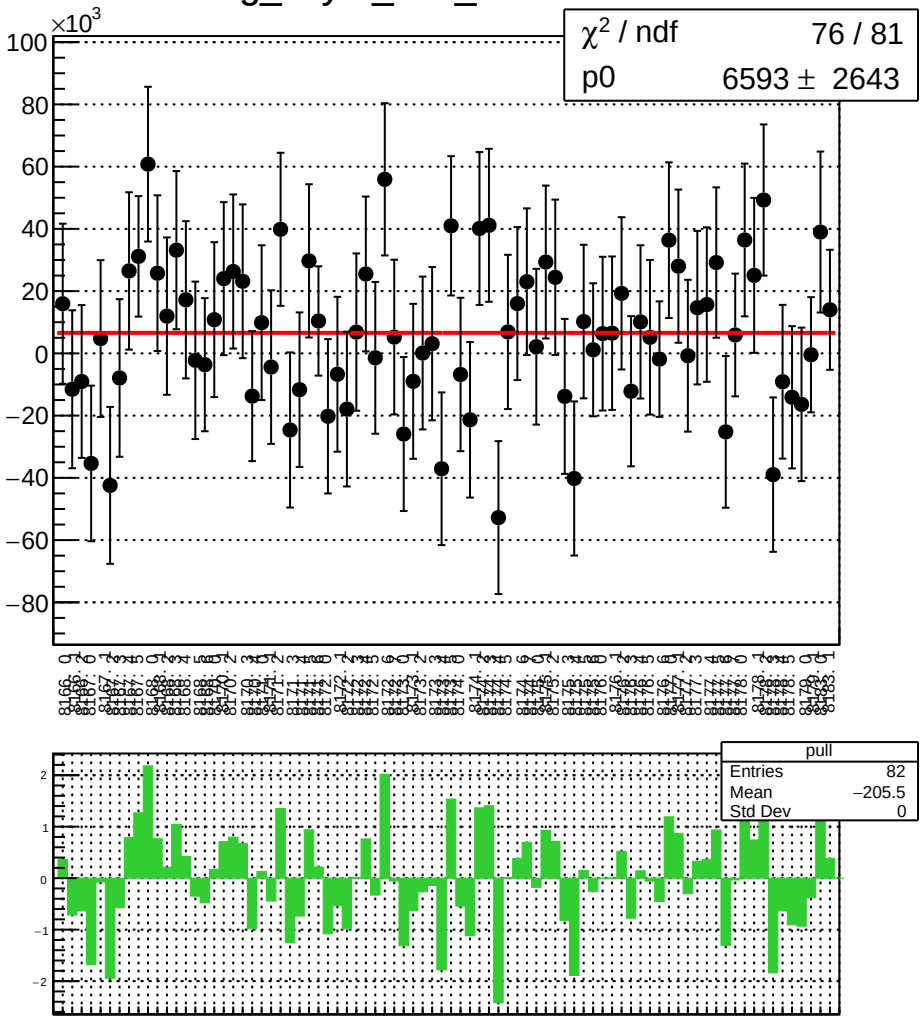

pull1D
Entries 82
Mean 0.001657
Std Dev 1.069

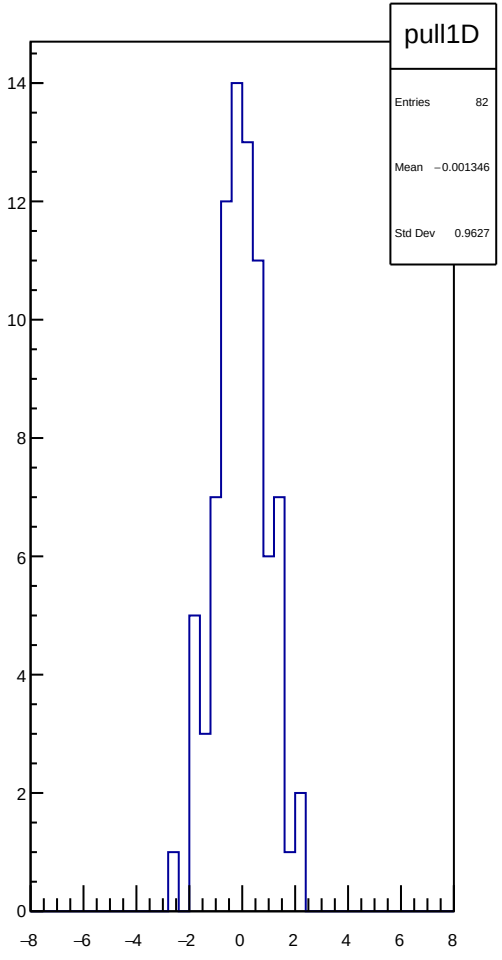

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.146e+05 / 81
p0 46.92 ± 0.04166
200
180
160
140
120
100
80
60
40
20

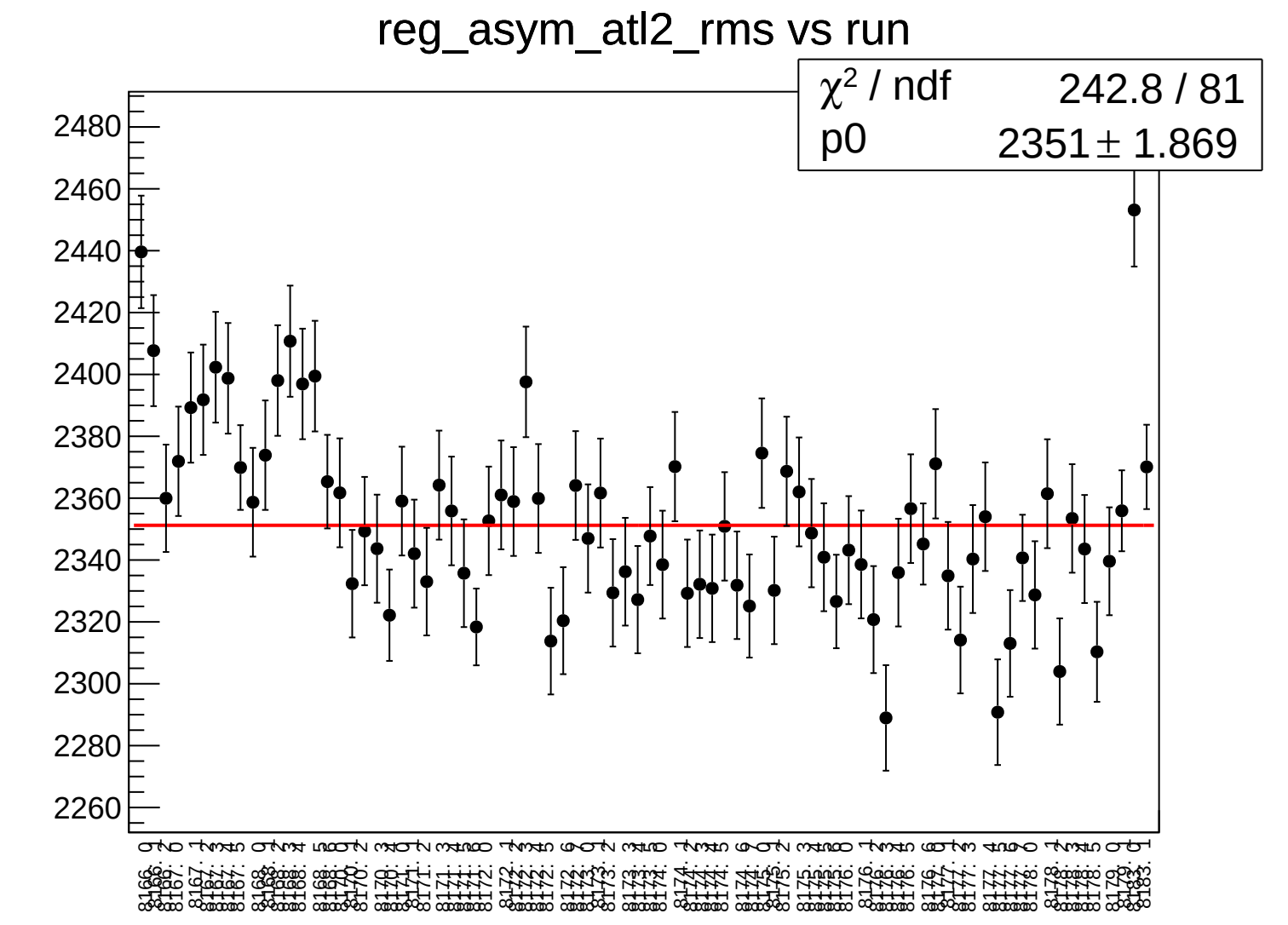

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 95.68 / 81
p0 −6.023e−14 ± 3.815e−14
pull
Entries 82
Mean 59.45
Std Dev 19.16

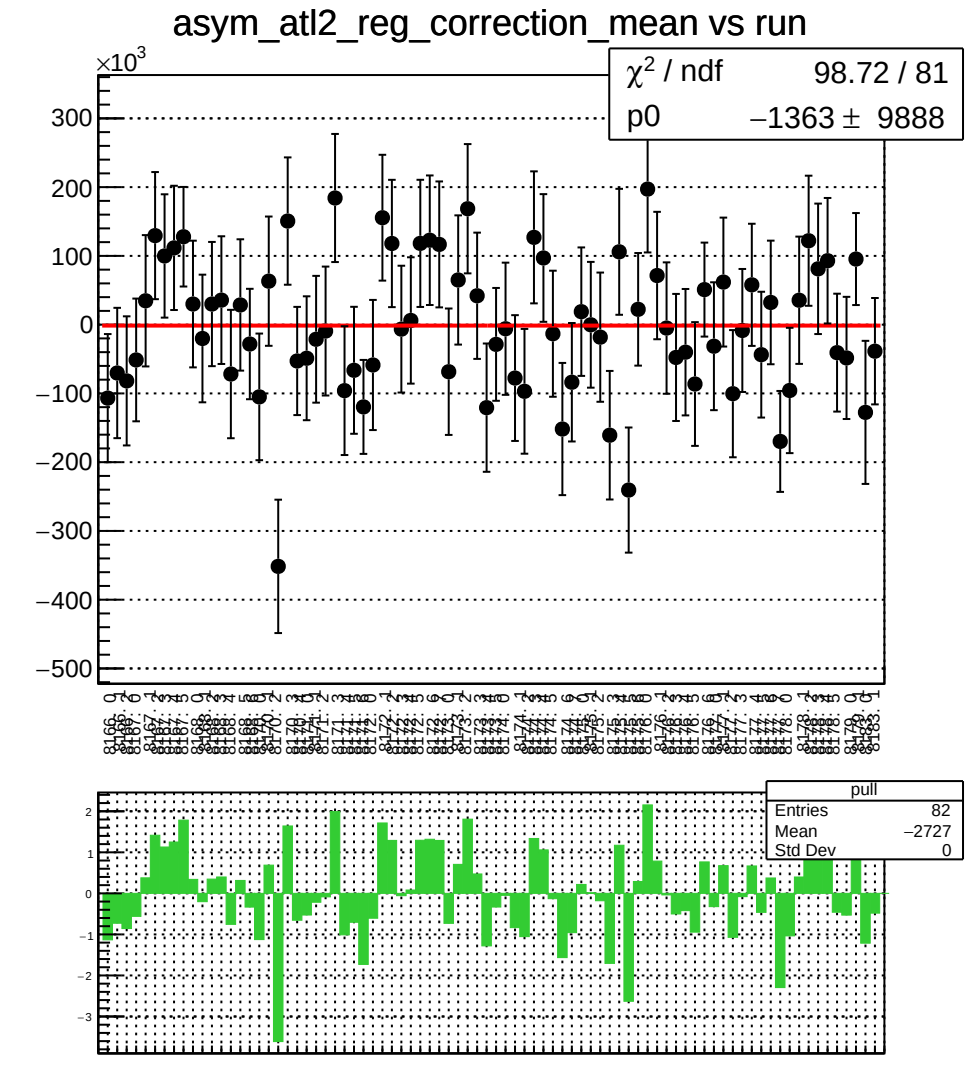

pull1D
Entries 82
Mean 0.06006
Std Dev 1.079

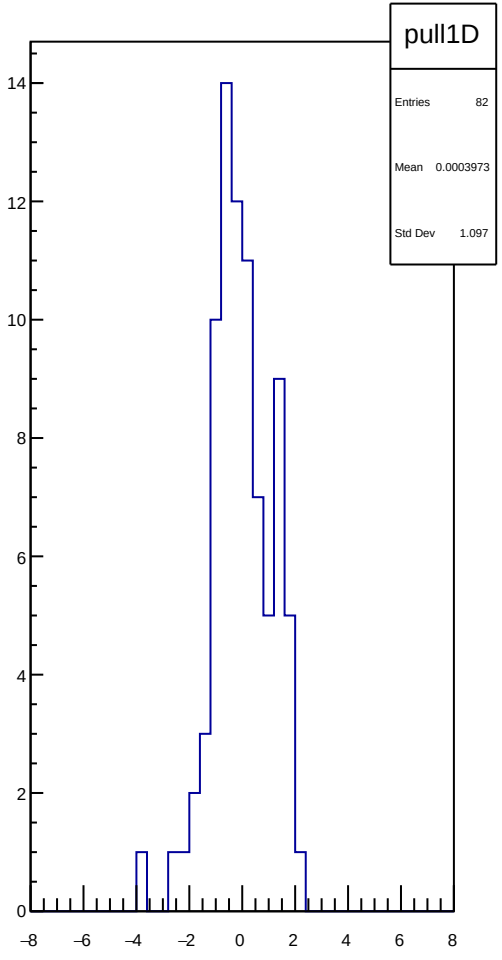

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.555e+05 / 81
p0 2.735e−11 ± 2.698e−14
0.25
0.2
0.15
0.1
0.05

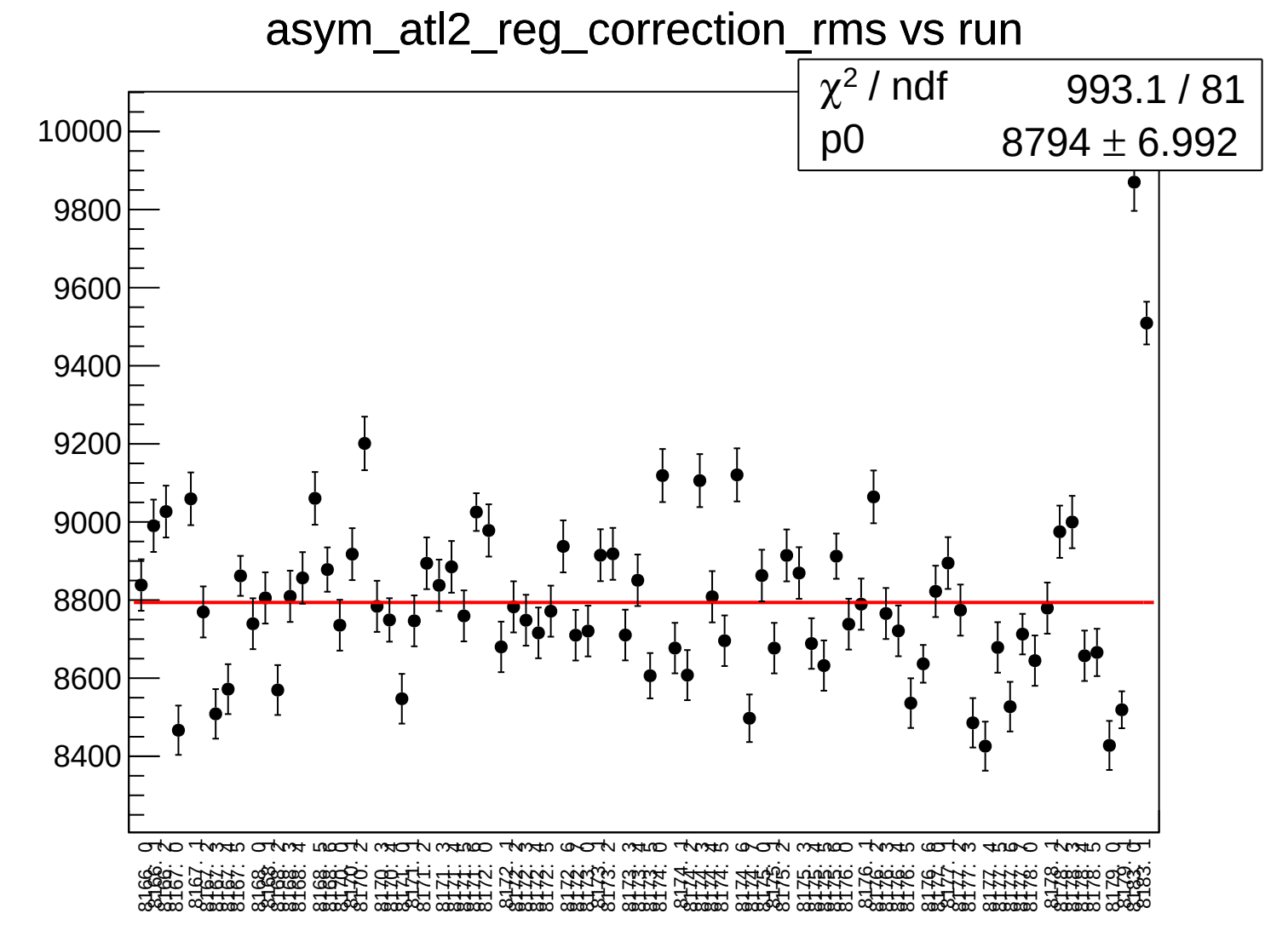

reg_asym_atl2_mean vs run
χ² / ndf 76 / 81
p0 6593 ± 2643
×10³
pull
Entries 82
Mean −205.5
Std Dev 0

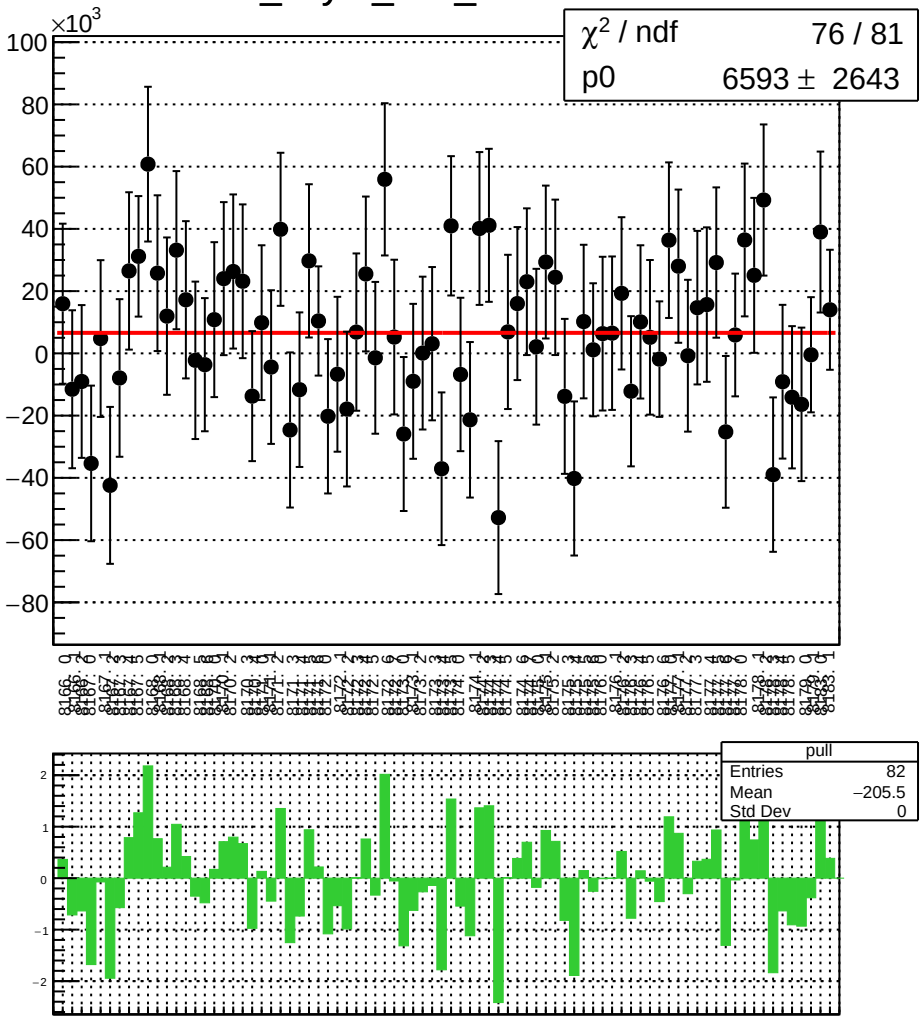

pull1D
Entries 82
Mean −0.001346
Std Dev 0.9627

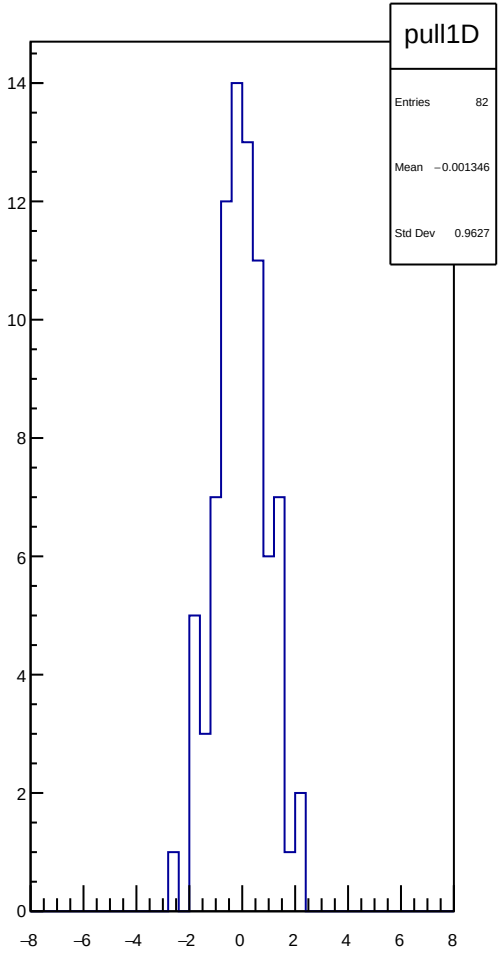

reg_asym_atl2_rms vs run
χ² / ndf 242.8 / 81
p0 2351 ± 1.869
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

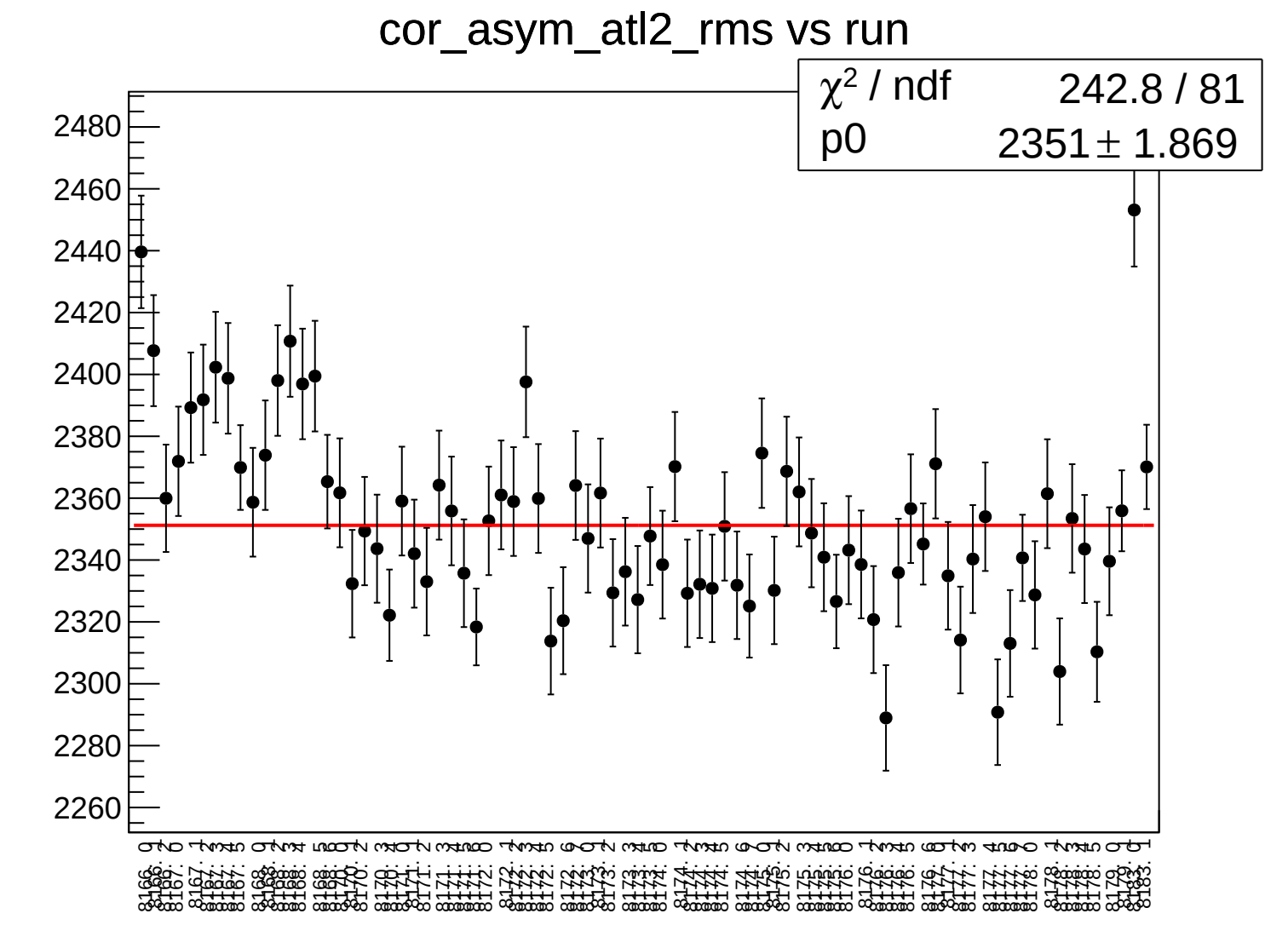

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 98.72 / 81
p0 −1363 ± 9888
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 82
Mean −2727
Std Dev 0
2
1
0
−1
−2
−3

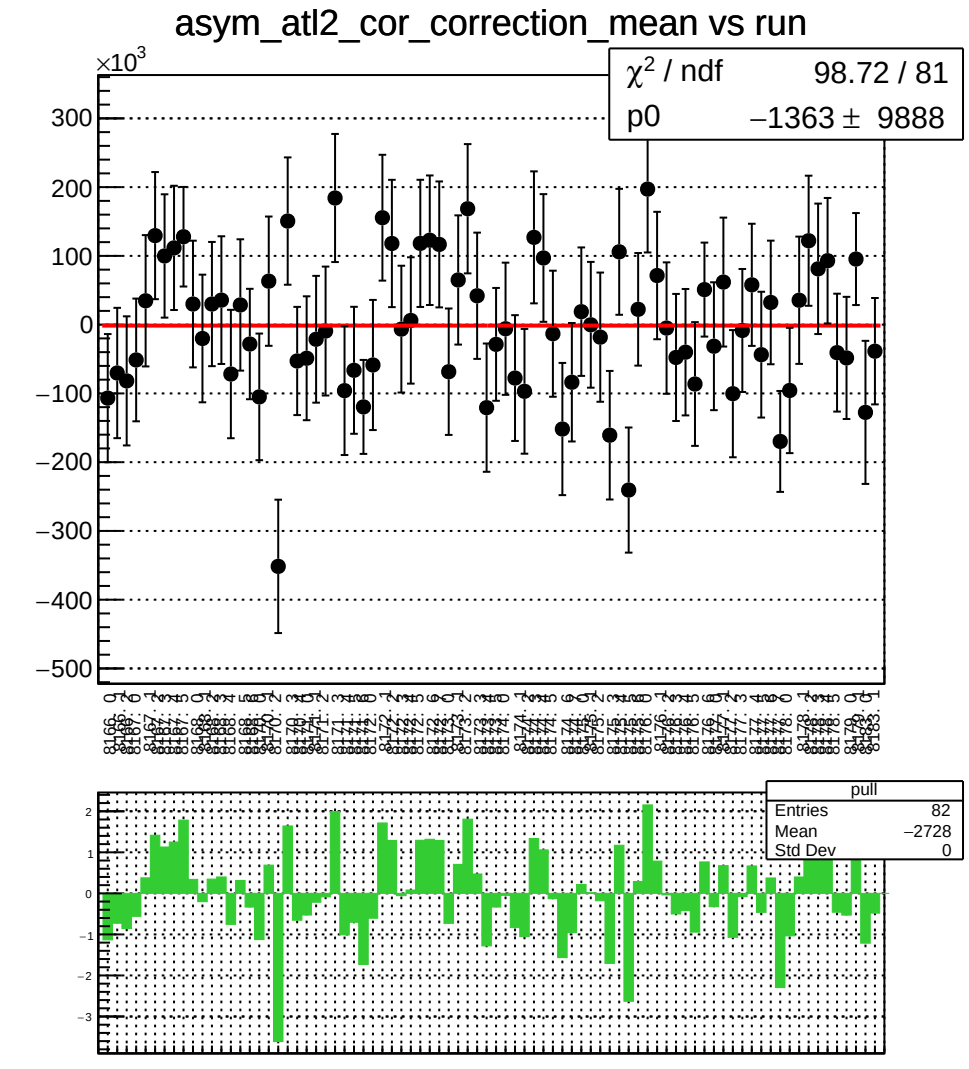

pull1D
Entries 82
Mean 0.0003973
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

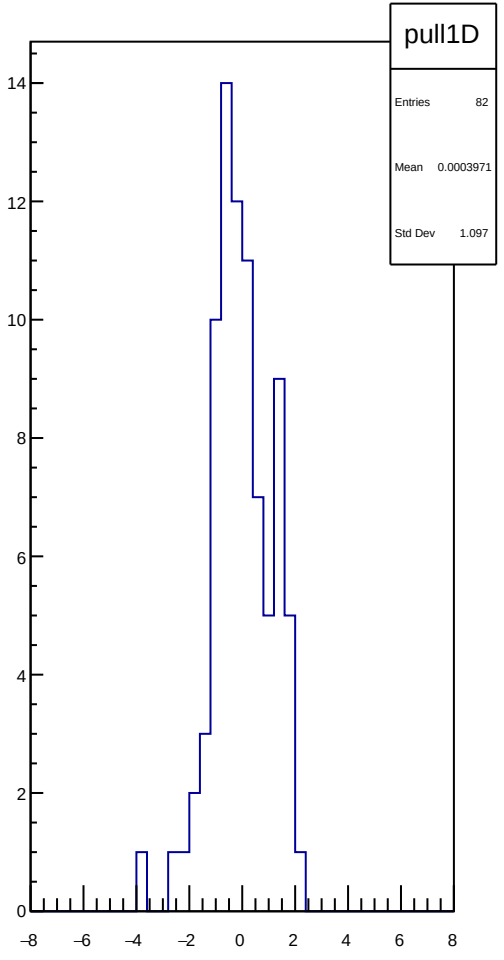

asym_atl2_reg_correction_rms vs run
χ² / ndf 993.1 / 81
p0 8794 ± 6.992
10000
9800
9600
9400
9200
9000
8800
8600
8400

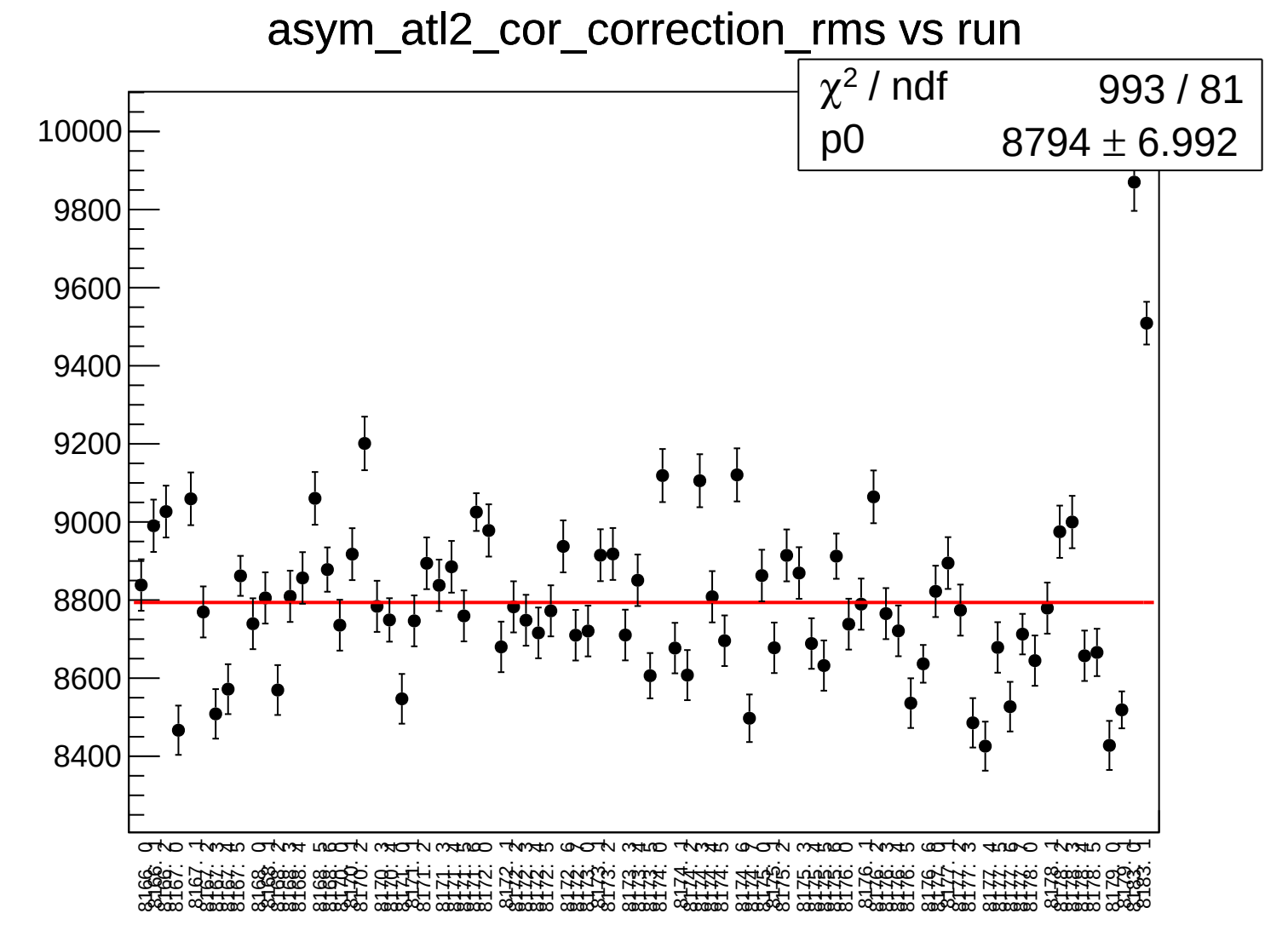

cor_asym_atl2_mean vs run
χ² / ndf 76 / 81
p0 6593 ± 2643
×10³
pull
Entries 82
Mean −205.5
Std Dev 0

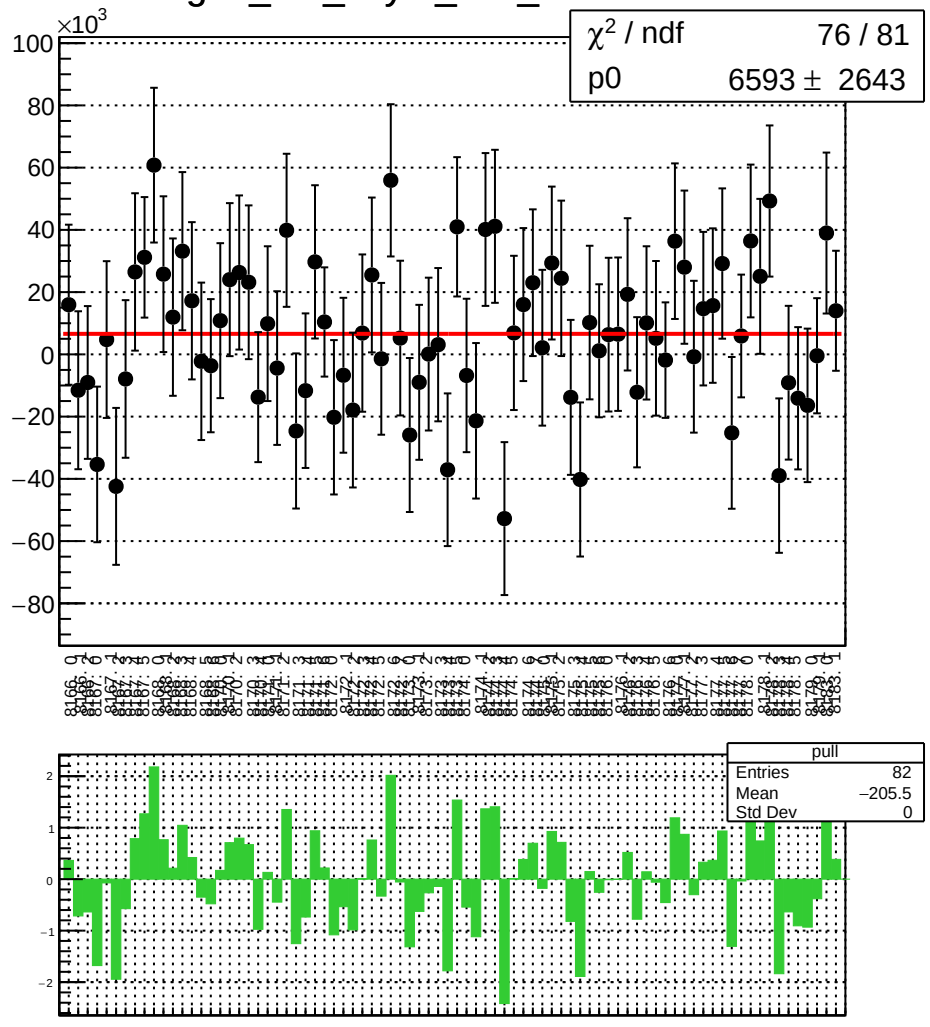

pull1D
Entries 82
Mean −0.001346
Std Dev 0.9627

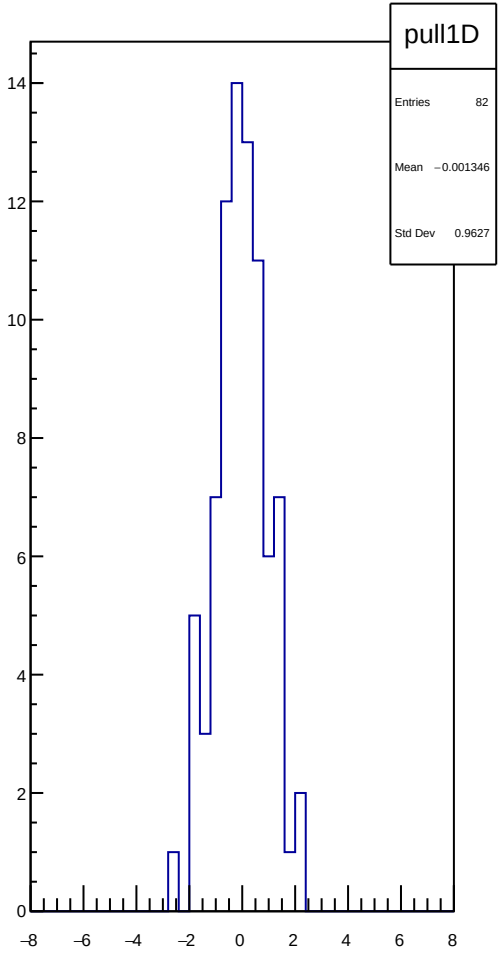

cor_asym_atl2_rms vs run
χ² / ndf 242.8 / 81
p0 2351 ± 1.869
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

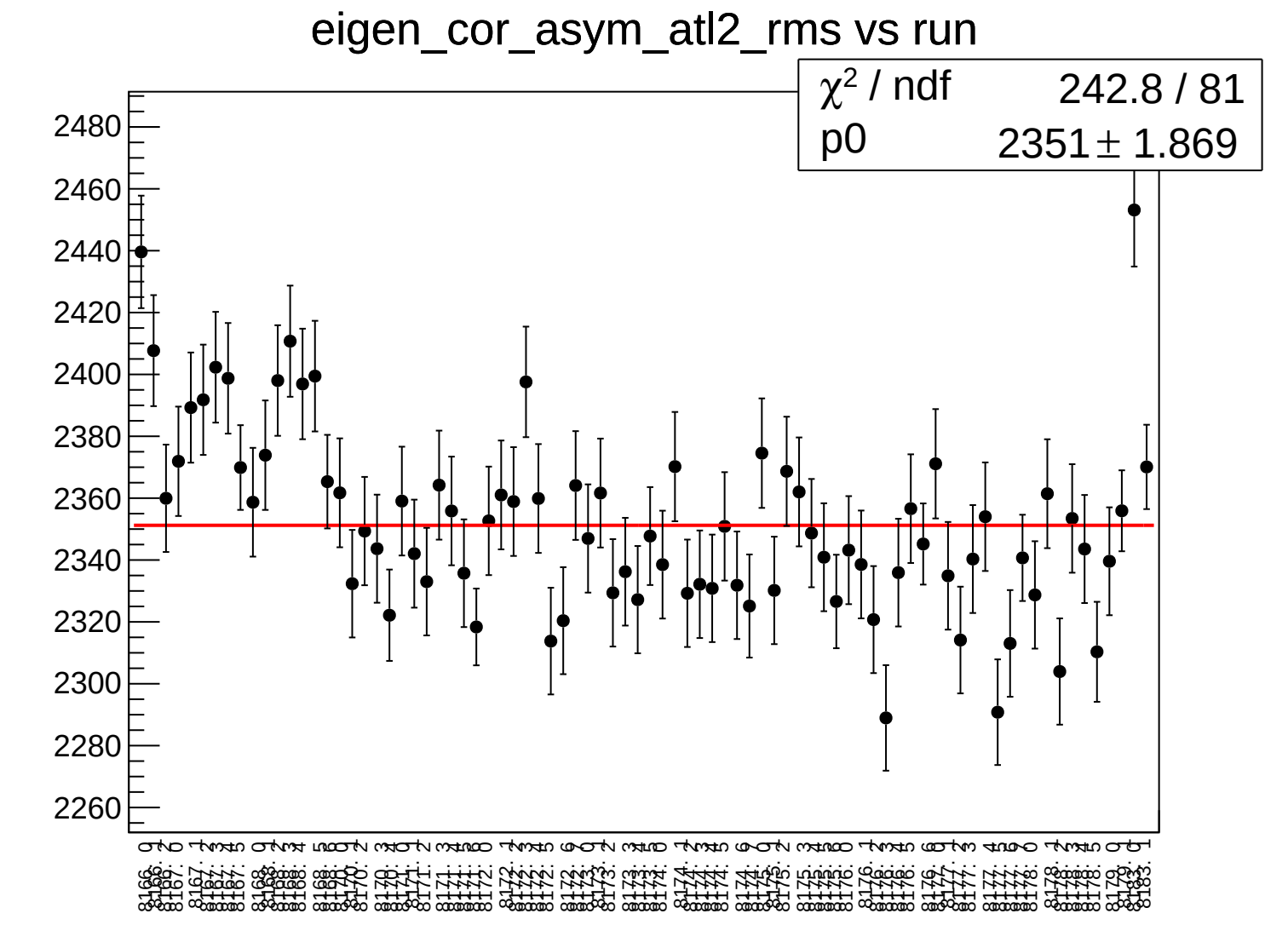

asym_atl2_cor_correction_mean vs run
χ² / ndf 98.72 / 81
p0 −1363 ± 9888
×10³
pull
Entries 82
Mean −2728
Std Dev 0

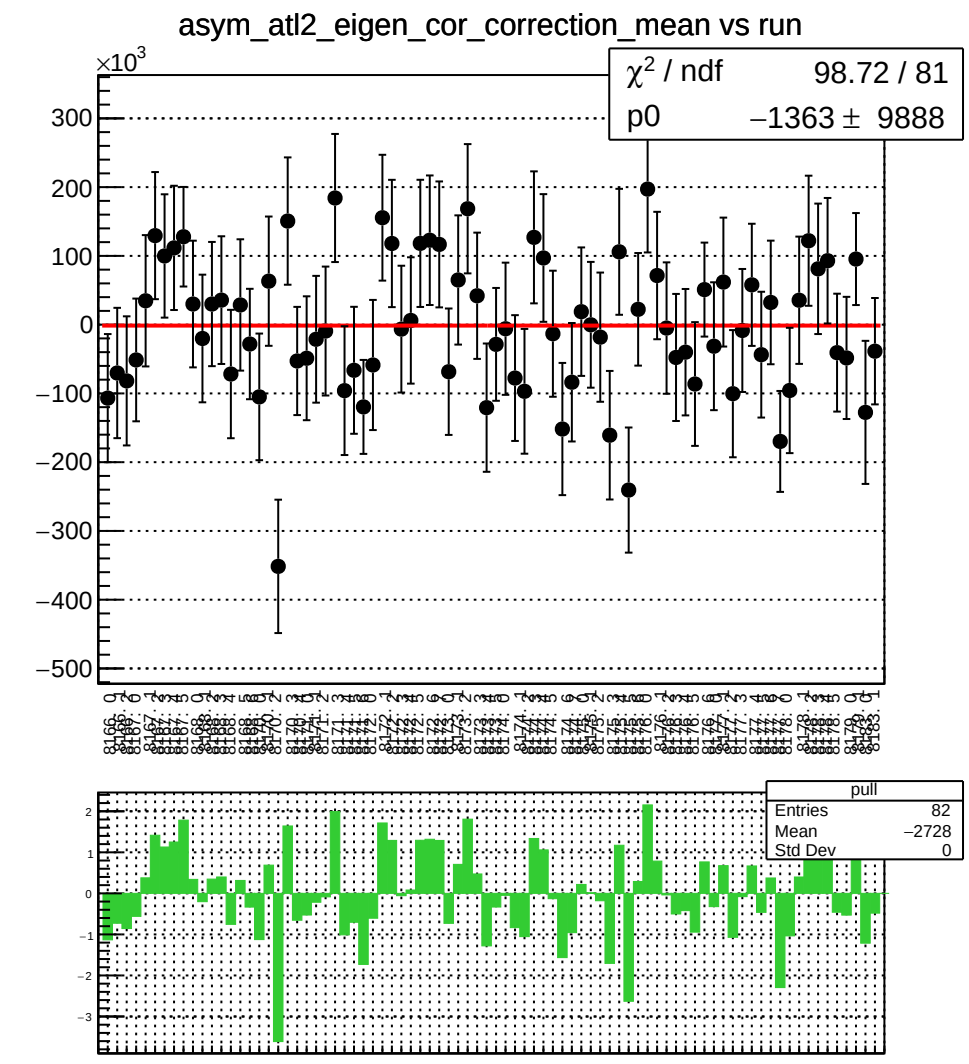

pull1D
Entries 82
Mean 0.0003971
Std Dev 1.097

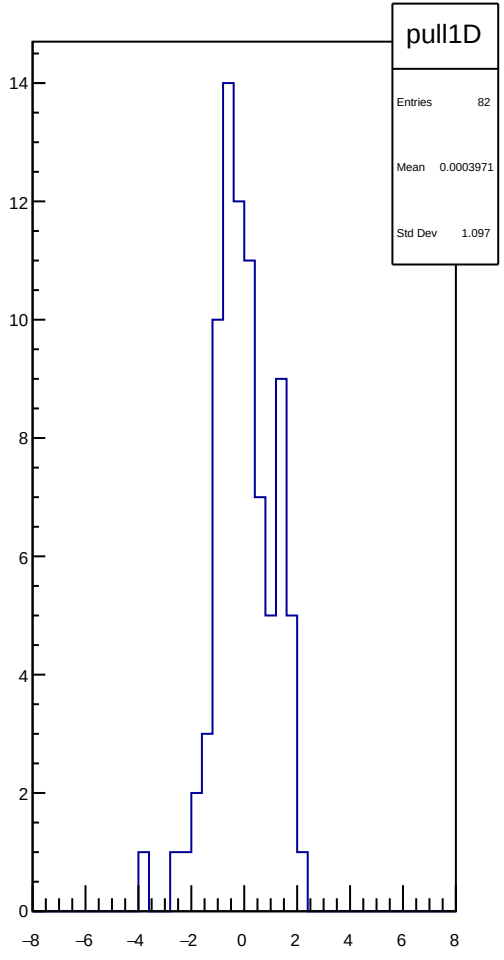

asym_atl2_cor_correction_rms vs run
χ² / ndf 993 / 81
p0 8794 ± 6.992
10000
9800
9600
9400
9200
9000
8800
8600
8400

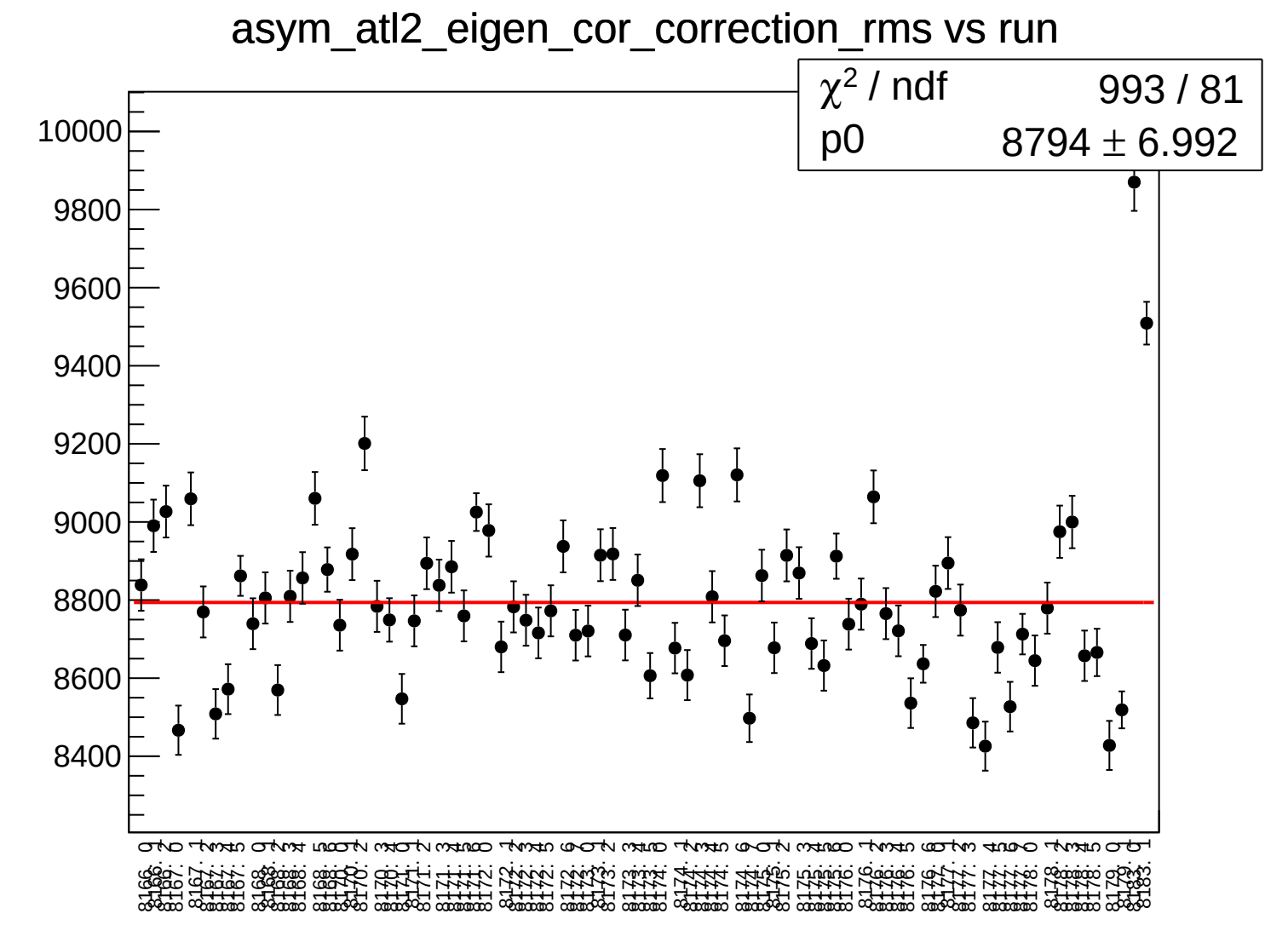

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 76 / 81
p0 6593 ± 2643
pull
Entries 82
Mean −205.5
Std Dev 0

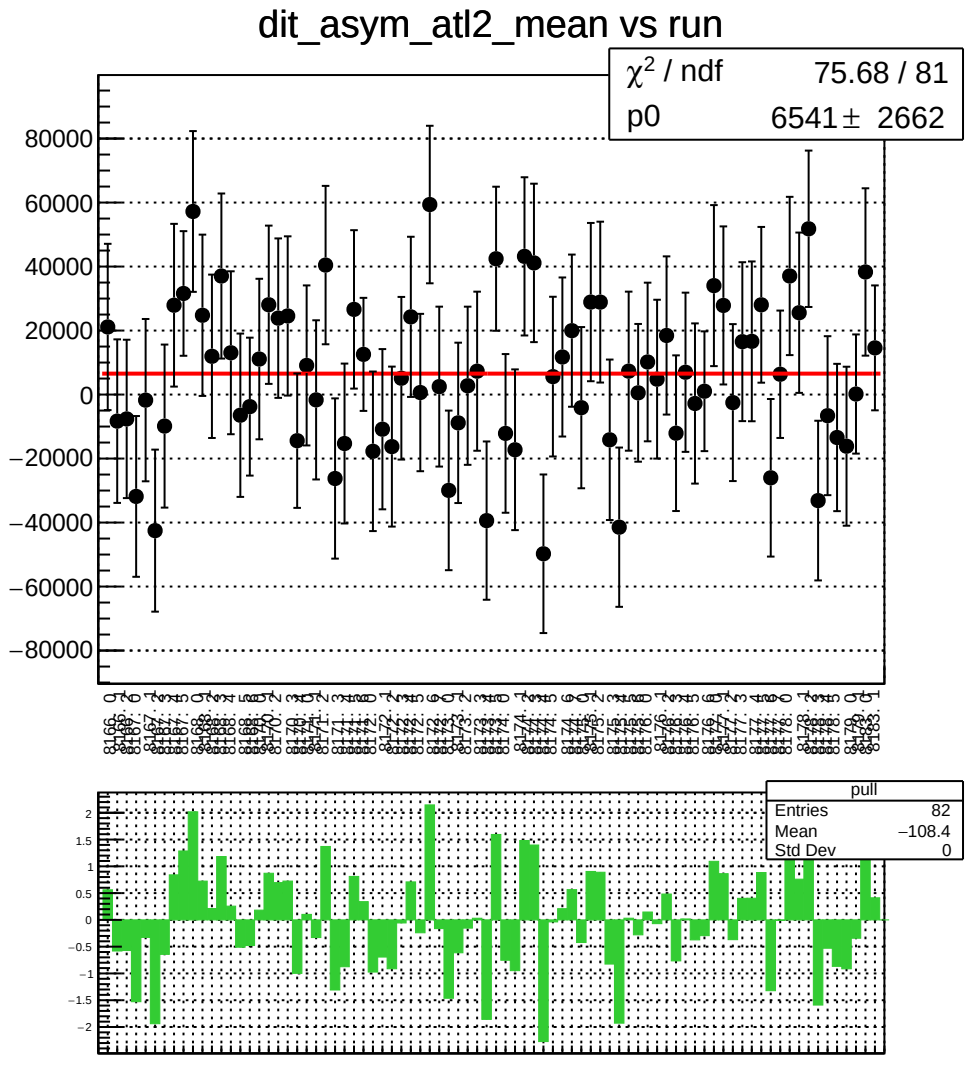

pull1D
Entries 82
Mean −0.001346
Std Dev 0.9627

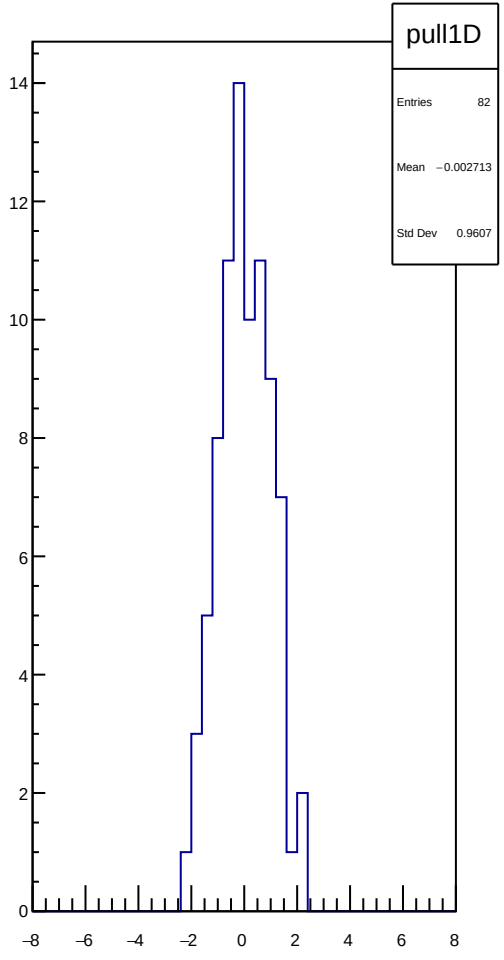

eigen_cor_asym_atl2_rms vs run
χ² / ndf 242.8 / 81
p0 2351 ± 1.869
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260

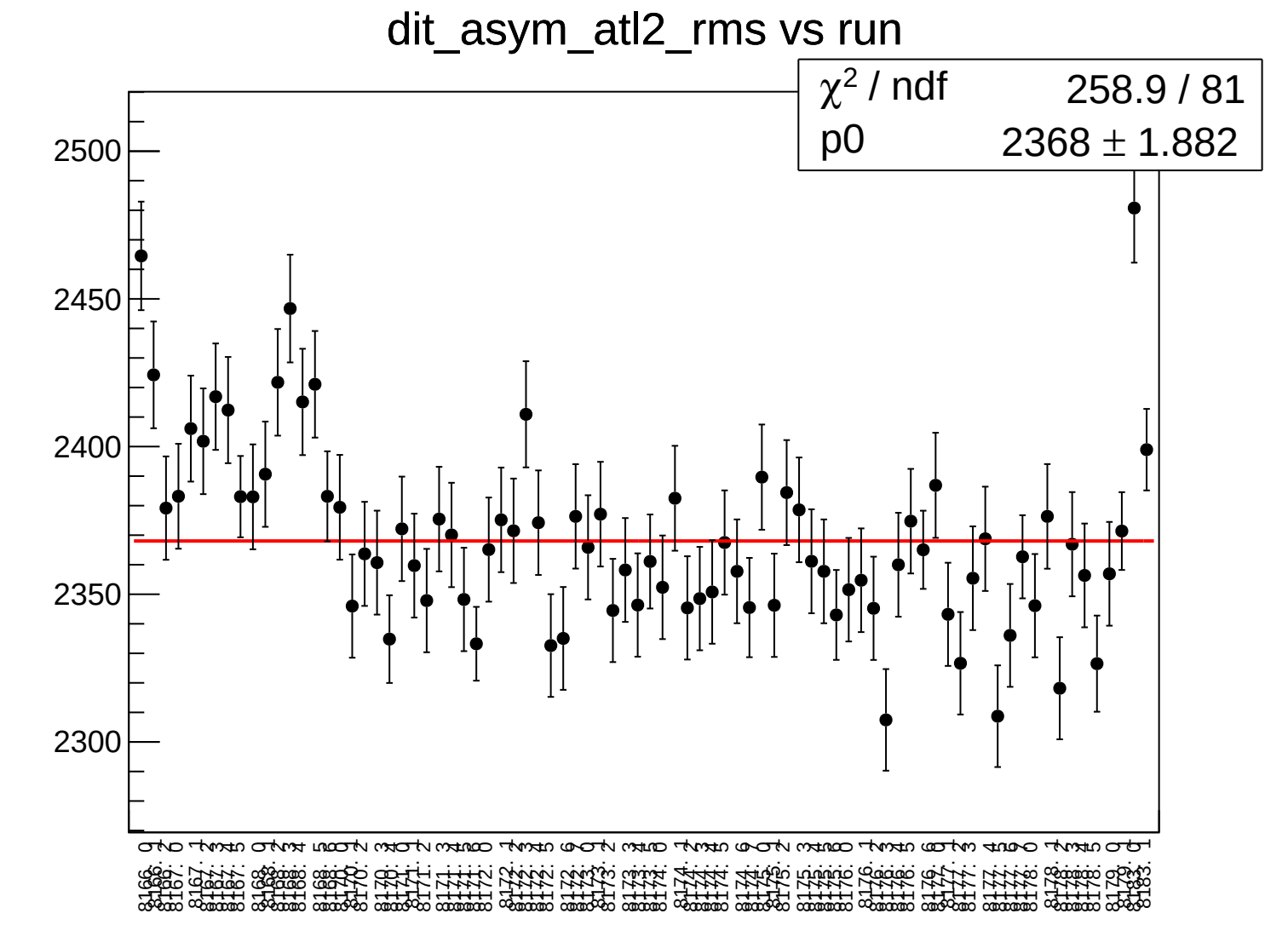

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 98.72 / 81
p0 −1363 ± 9888
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 82
Mean −2728
Std Dev 0
2
1
0
−1
−2
−3

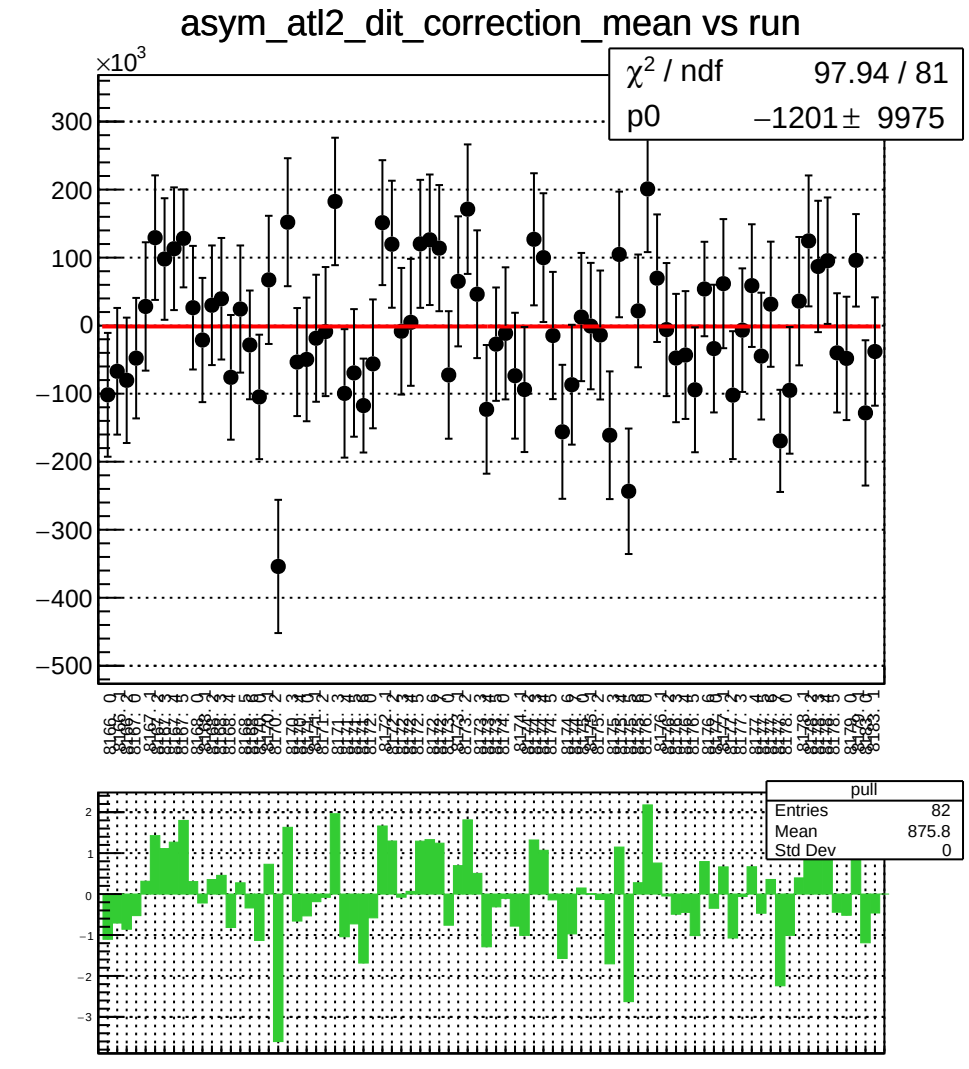

pull1D
Entries 82
Mean 0.0003971
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

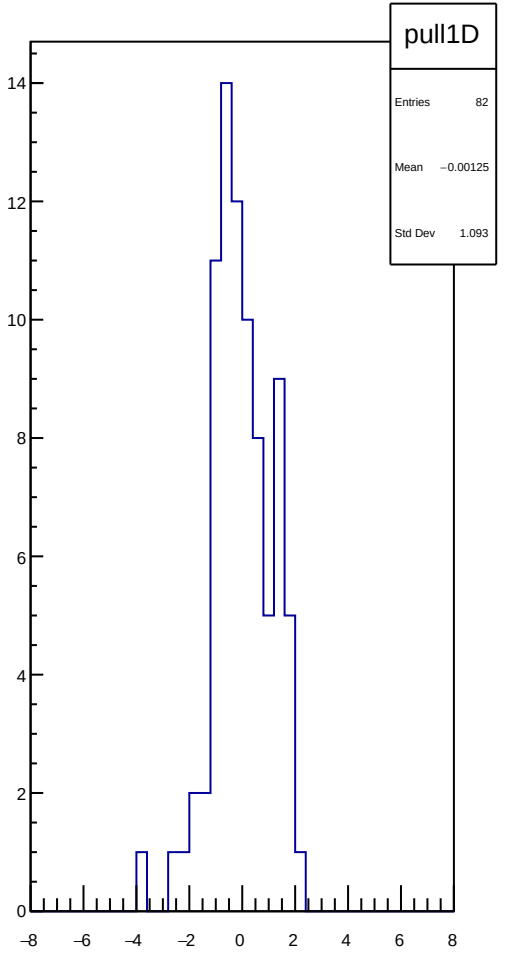

asym_atl2_eigen_cor_correction_rms vs run
χ^2 / ndf 993 / 81
p0 8794 ± 6.992
10000
9800
9600
9400
9200
9000
8800
8600
8400

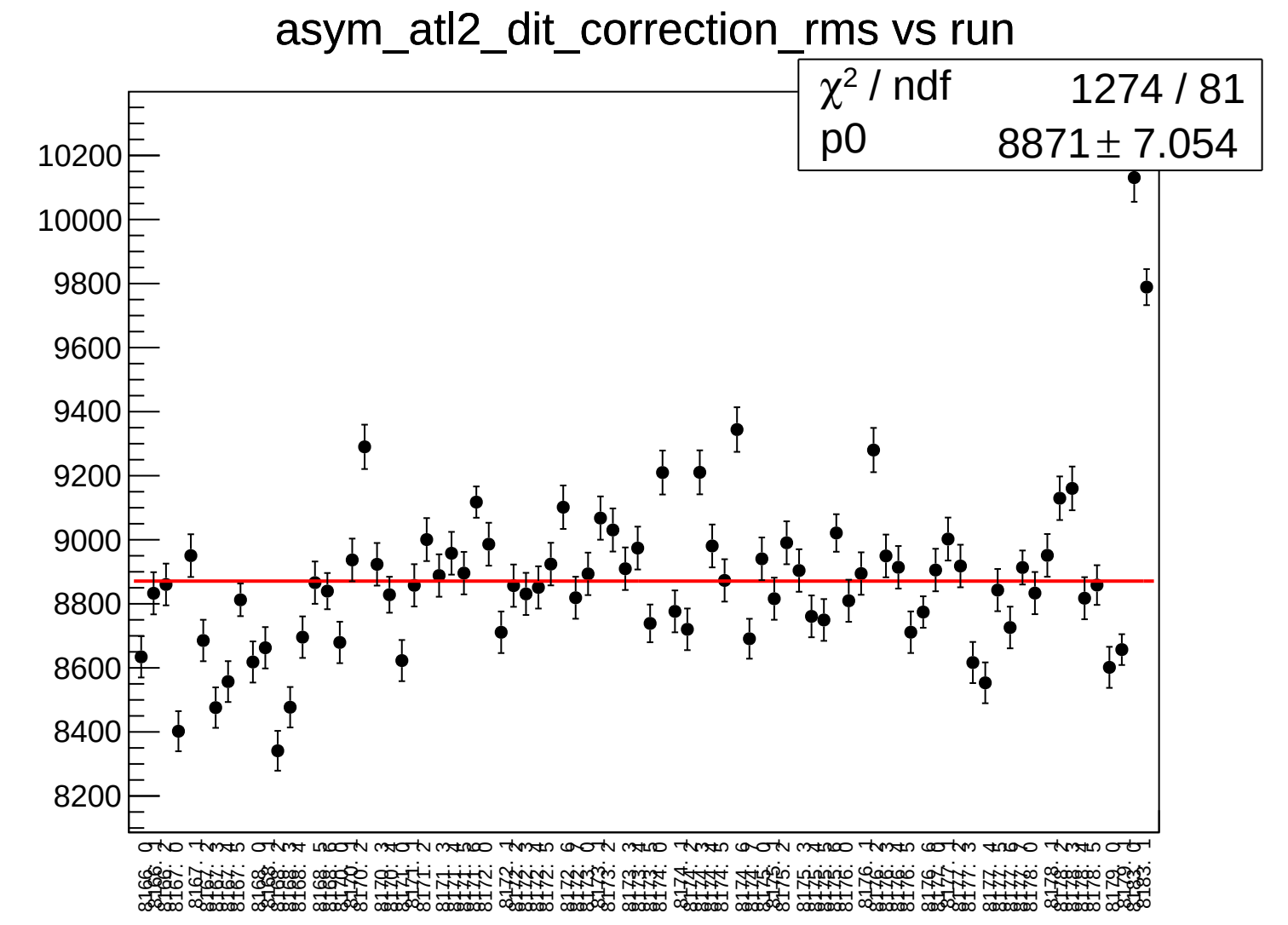

dit_asym_atl2_mean vs run
χ² / ndf 75.68 / 81
p0 6541 ± 2662
pull
Entries 82
Mean −108.4
Std Dev 0

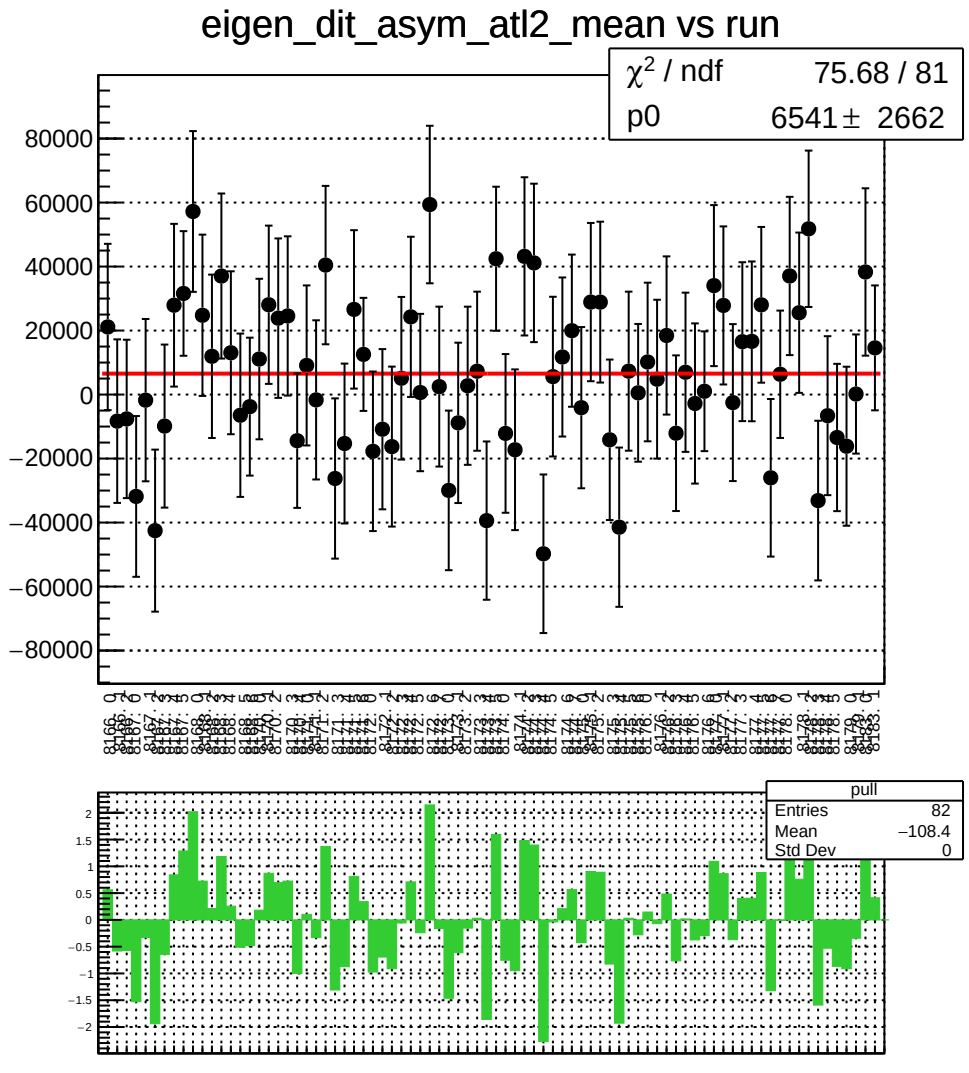

pull1D
Entries 82
Mean −0.002713
Std Dev 0.9607

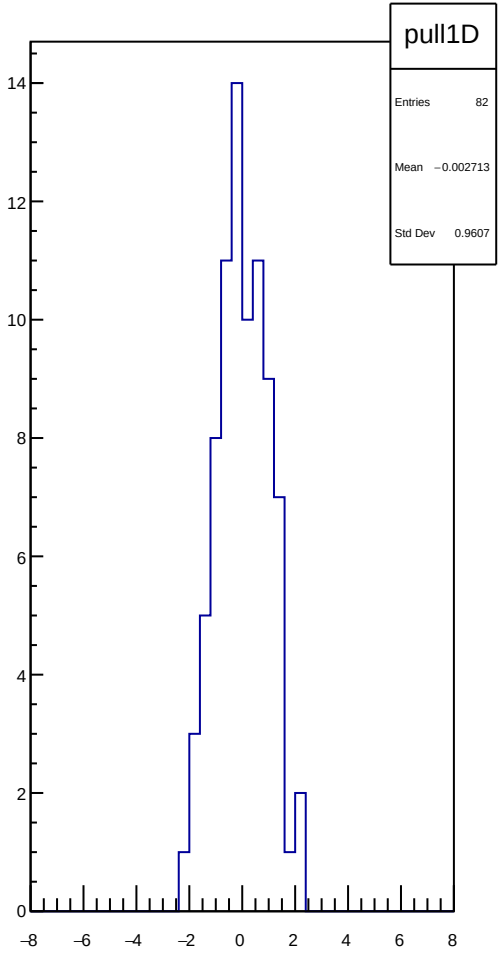

dit_asym_atl2_rms vs run
χ² / ndf 258.9 / 81
p0 2368 ± 1.882
2500
2450
2400
2350
2300

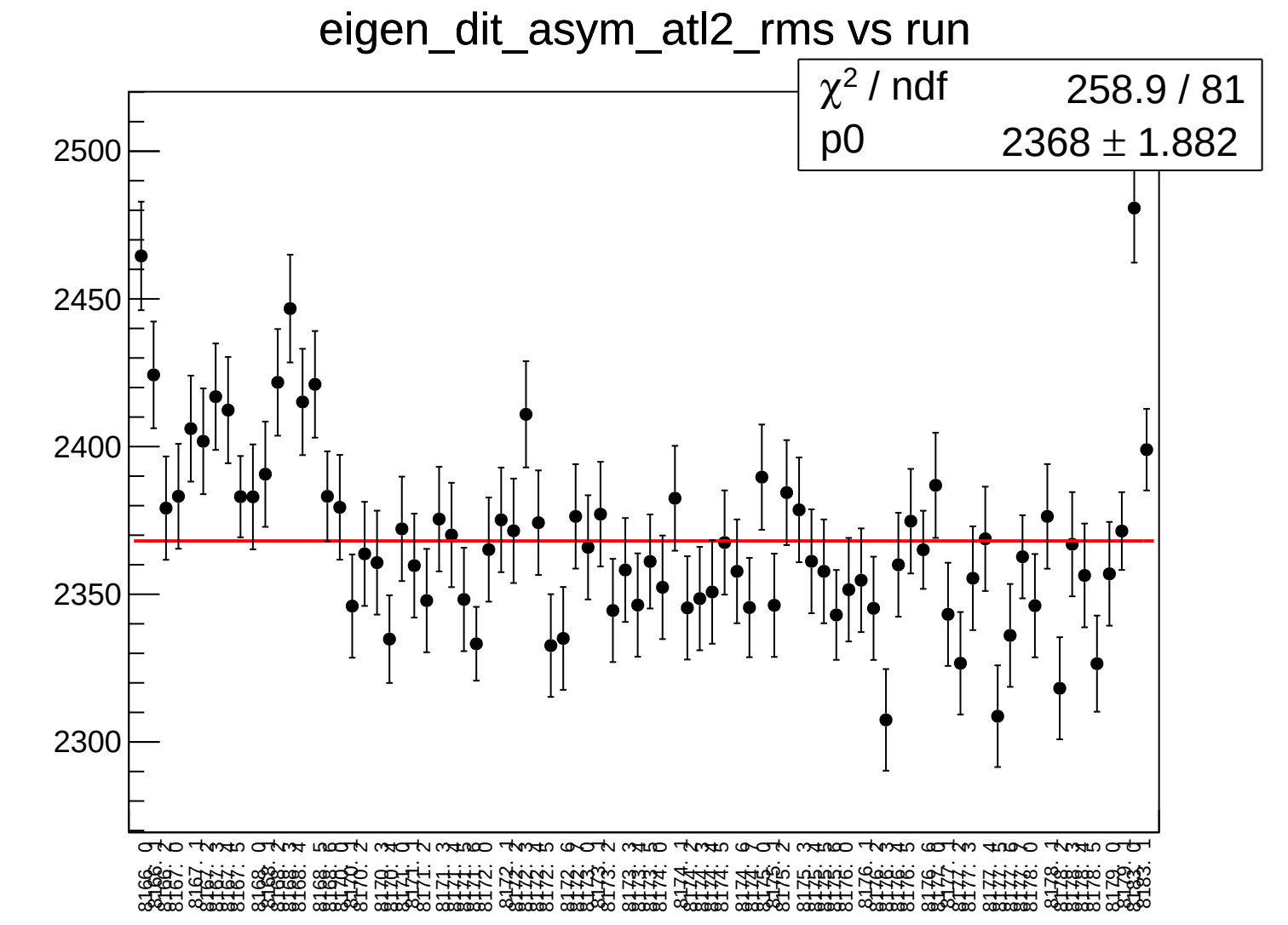

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 97.94 / 81
p0 −1201 ± 9975
pull
Entries 82
Mean 875.8
Std Dev 0

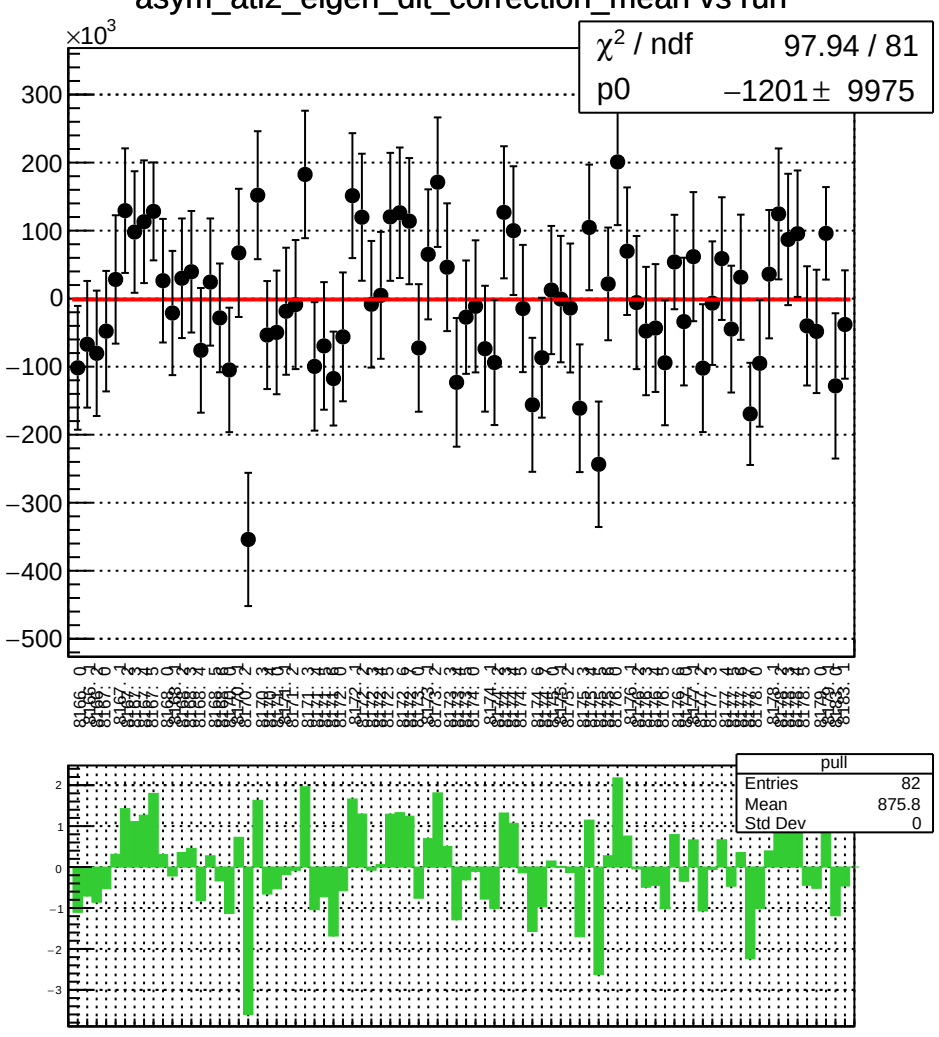

pull1D
Entries 82
Mean −0.00125
Std Dev 1.093

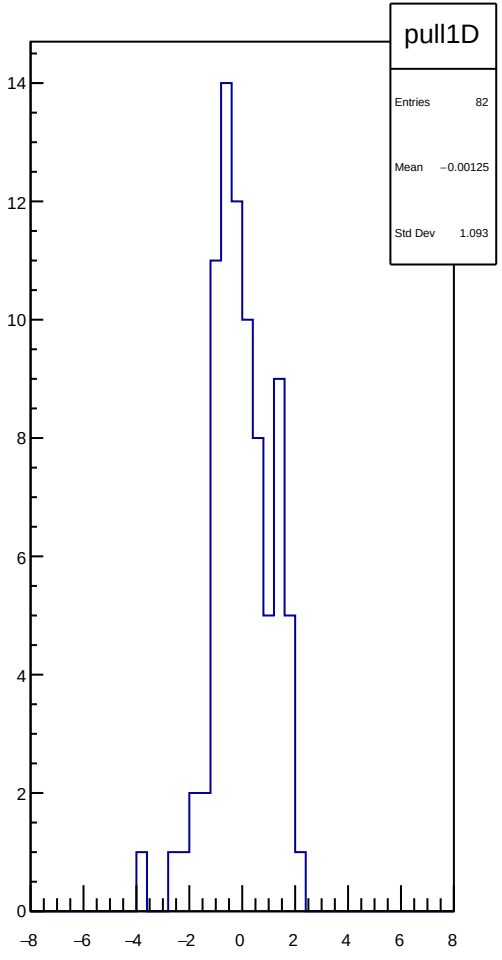

asym_atl2_dit_correction_rms vs run
χ² / ndf 1274 / 81
p0 8871 ± 7.054
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

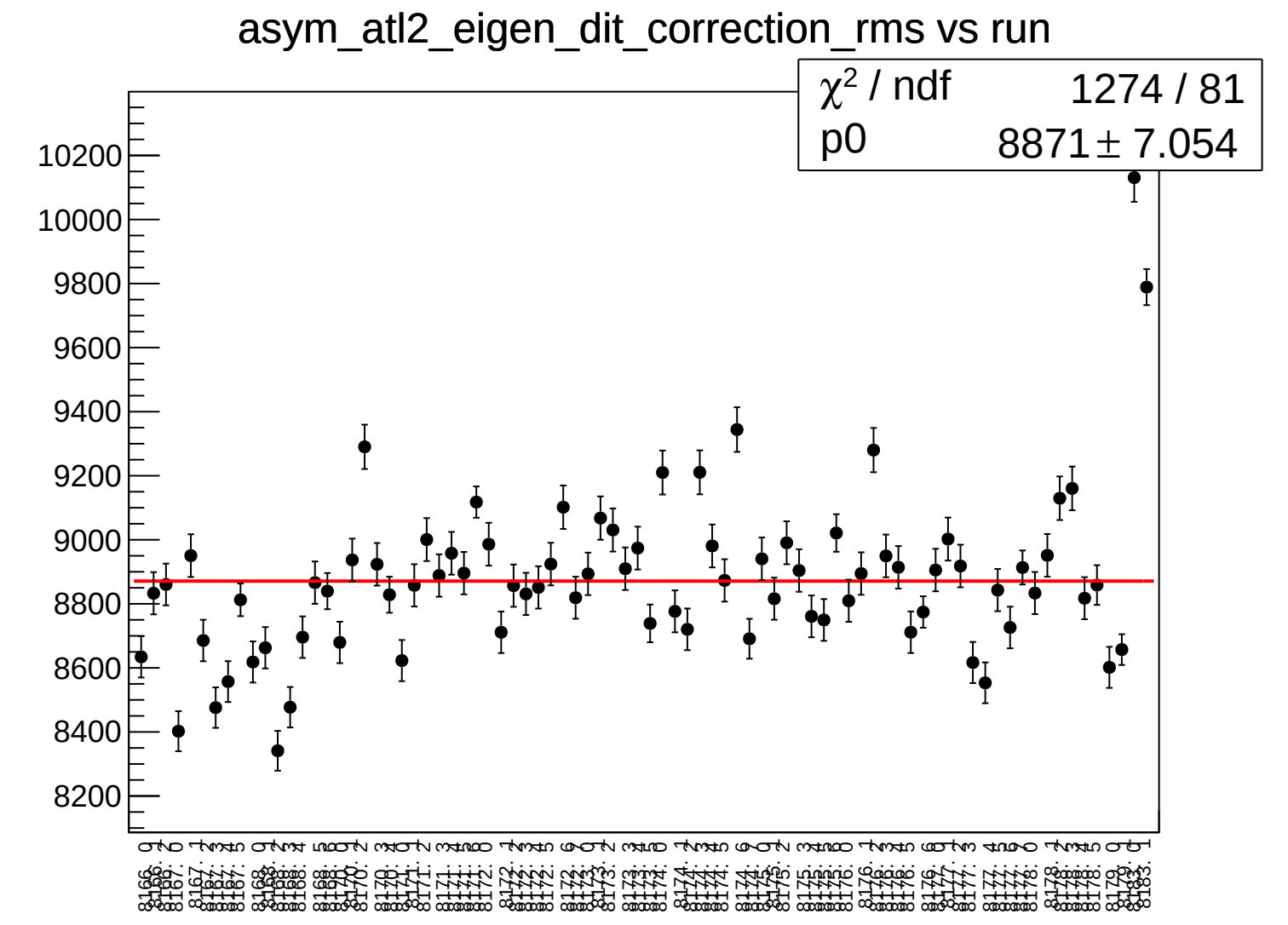

eigen_dit_asym_atl2_mean vs run
χ² / ndf 75.68 / 81
p0 6541 ± 2662
pull
Entries 82
Mean −108.4
Std Dev 0

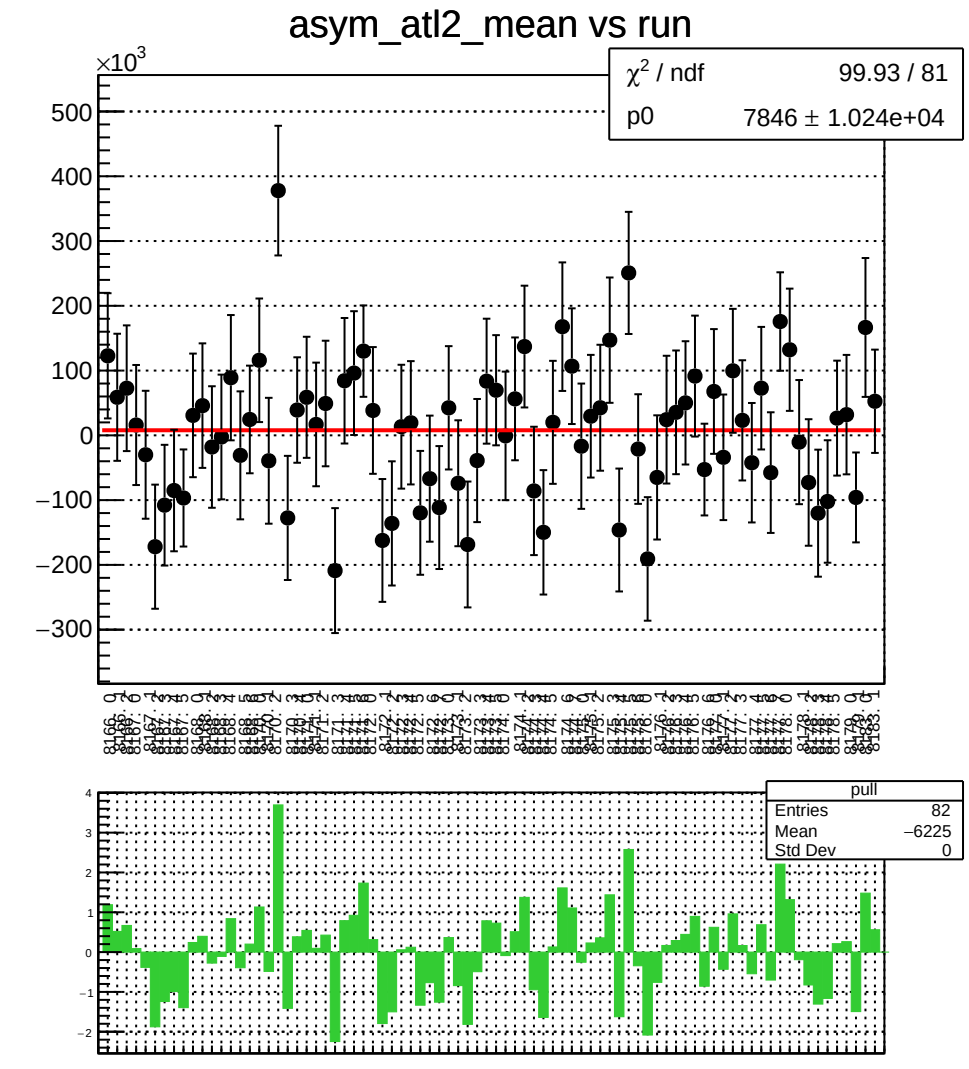

pull1D
Entries 82
Mean −0.002713
Std Dev 0.9607

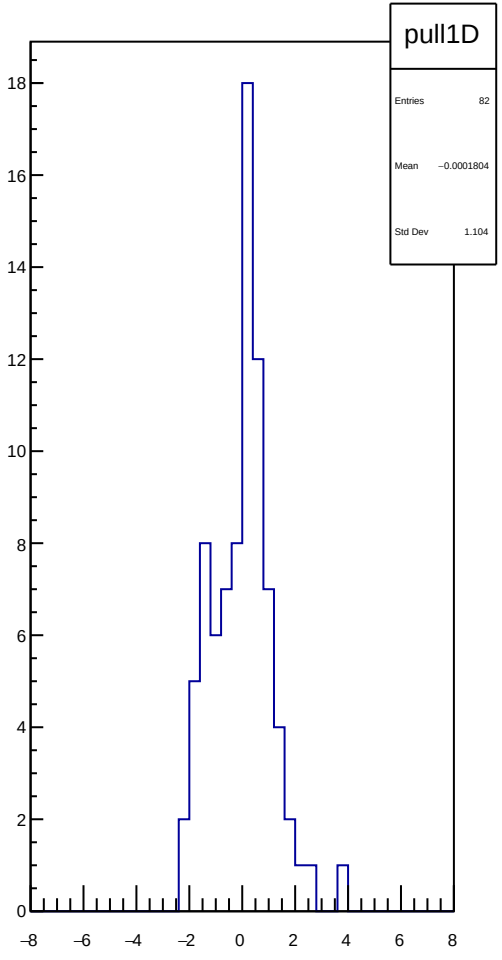

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 258.9 / 81
p0 2368 ± 1.882
2500
2450
2400
2350
2300

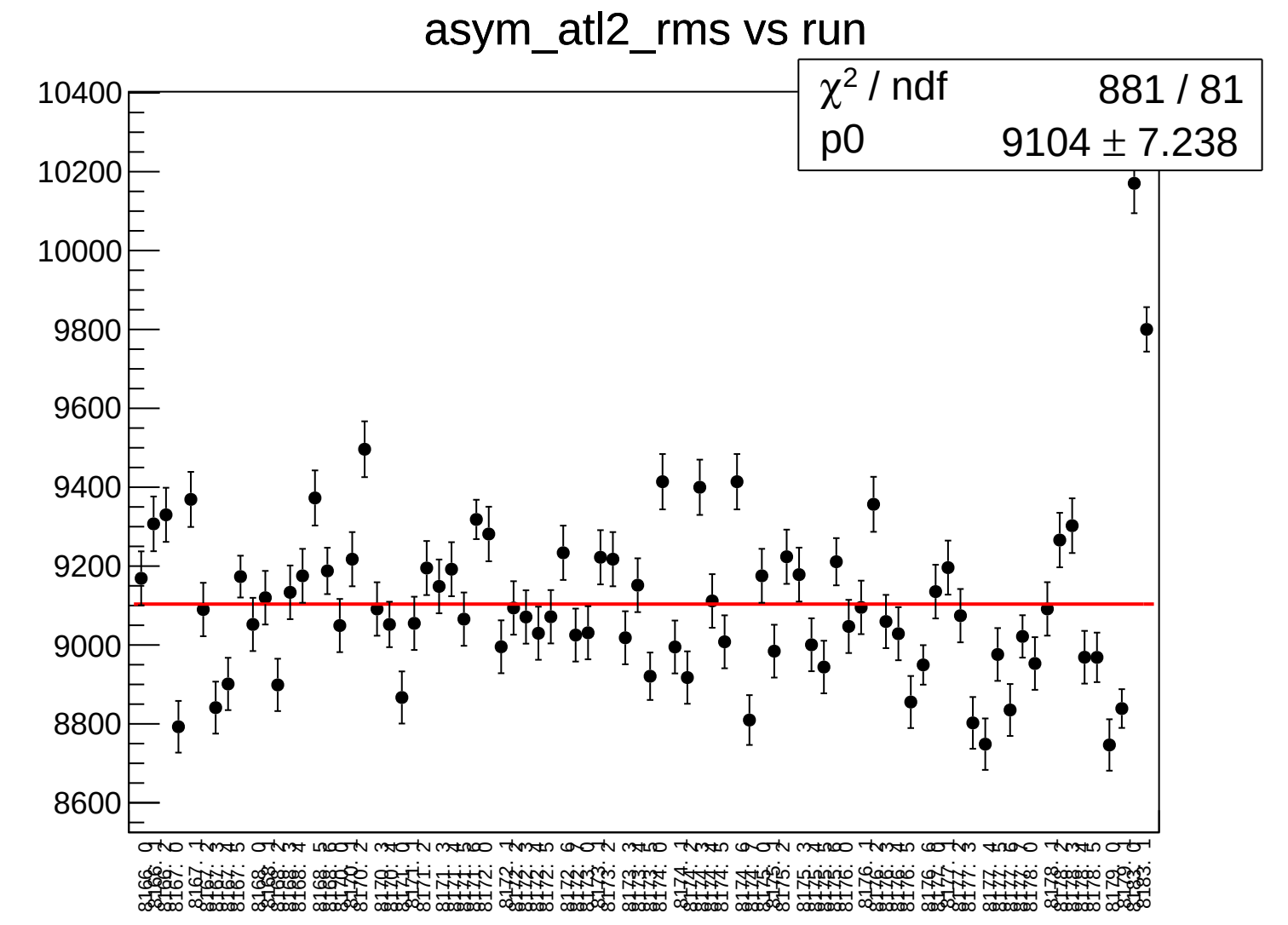

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 97.94 / 81
p0 −1201 ± 9975
pull
Entries 82
Mean 875.8
Std Dev 0

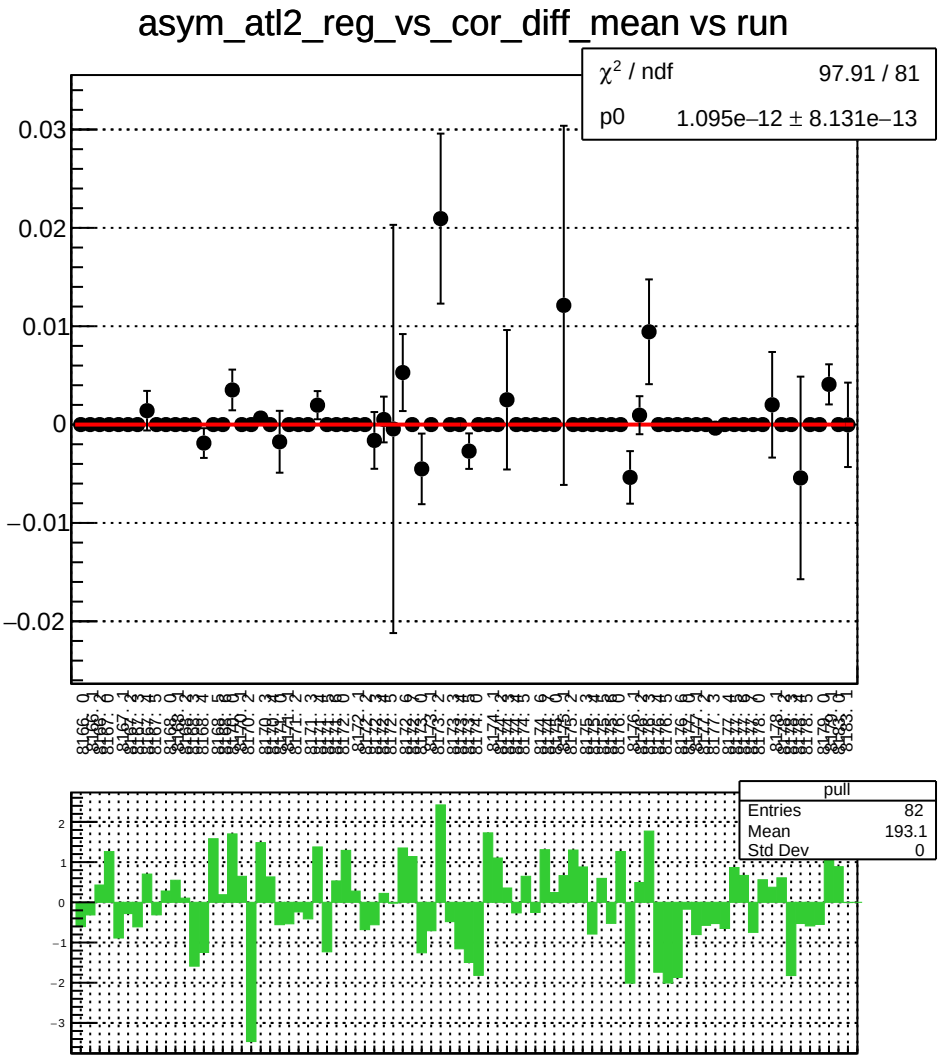

pull1D
Entries 82
Mean −0.00125
Std Dev 1.093

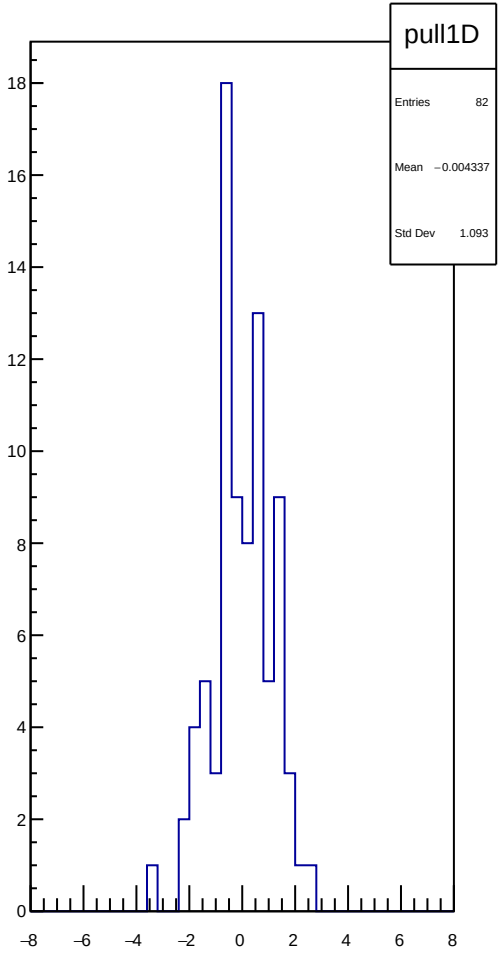

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 1274 / 81
p0 8871 ± 7.054
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200


asym_atl2_mean vs run
×10^3
χ² / ndf 99.93 / 81
p0 7846 ± 1.024e+04
pull
Entries 82
Mean −6225
Std Dev 0


pull1D
Entries 82
Mean −0.0001804
Std Dev 1.104


asym_atl2_rms vs run
χ^2 / ndf 881 / 81
p0 9104 ± 7.238
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600


asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 97.91 / 81
p0 1.095e−12 ± 8.131e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 82
Mean 193.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 82
Mean −0.004337
Std Dev 1.093
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
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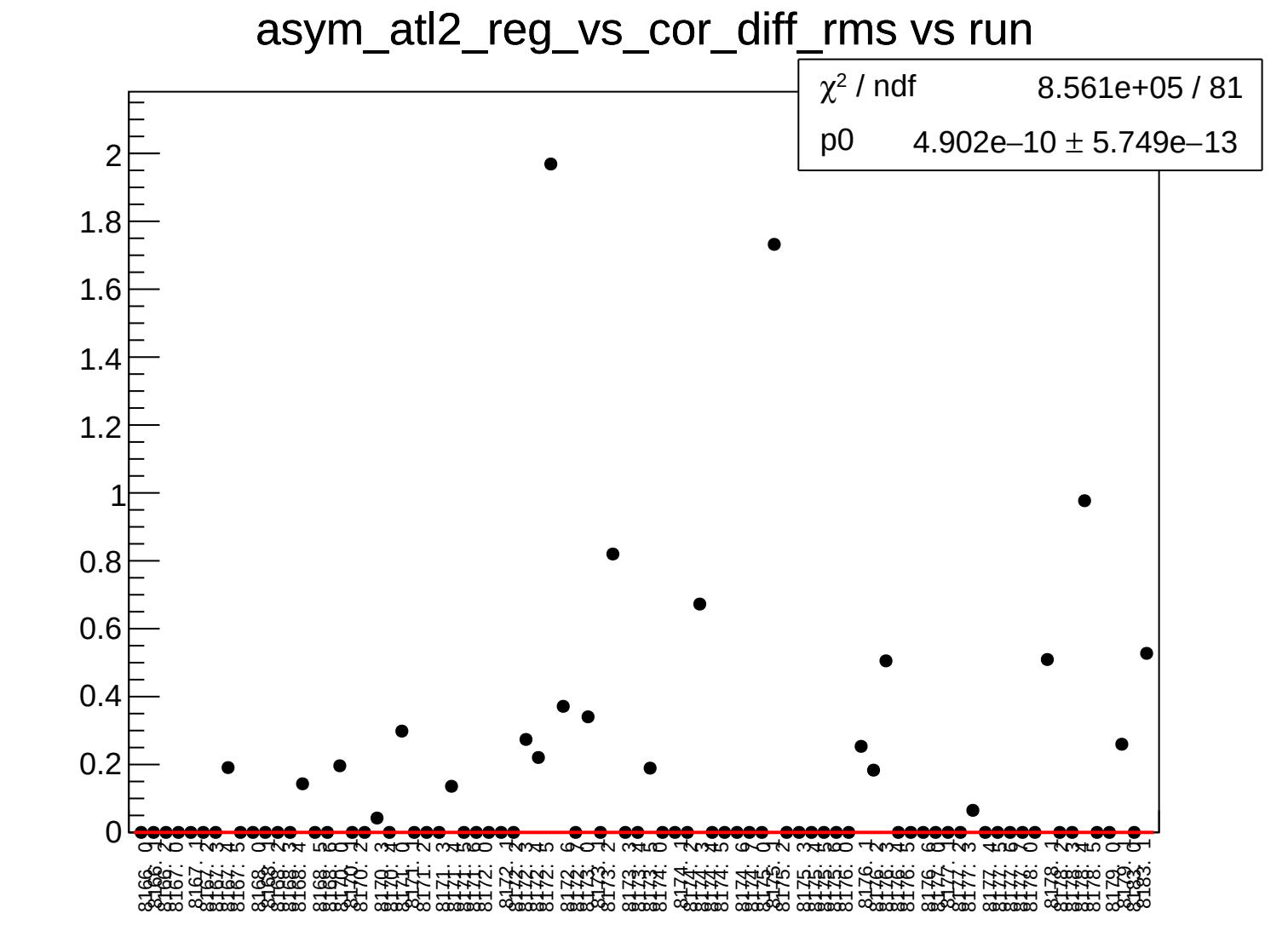
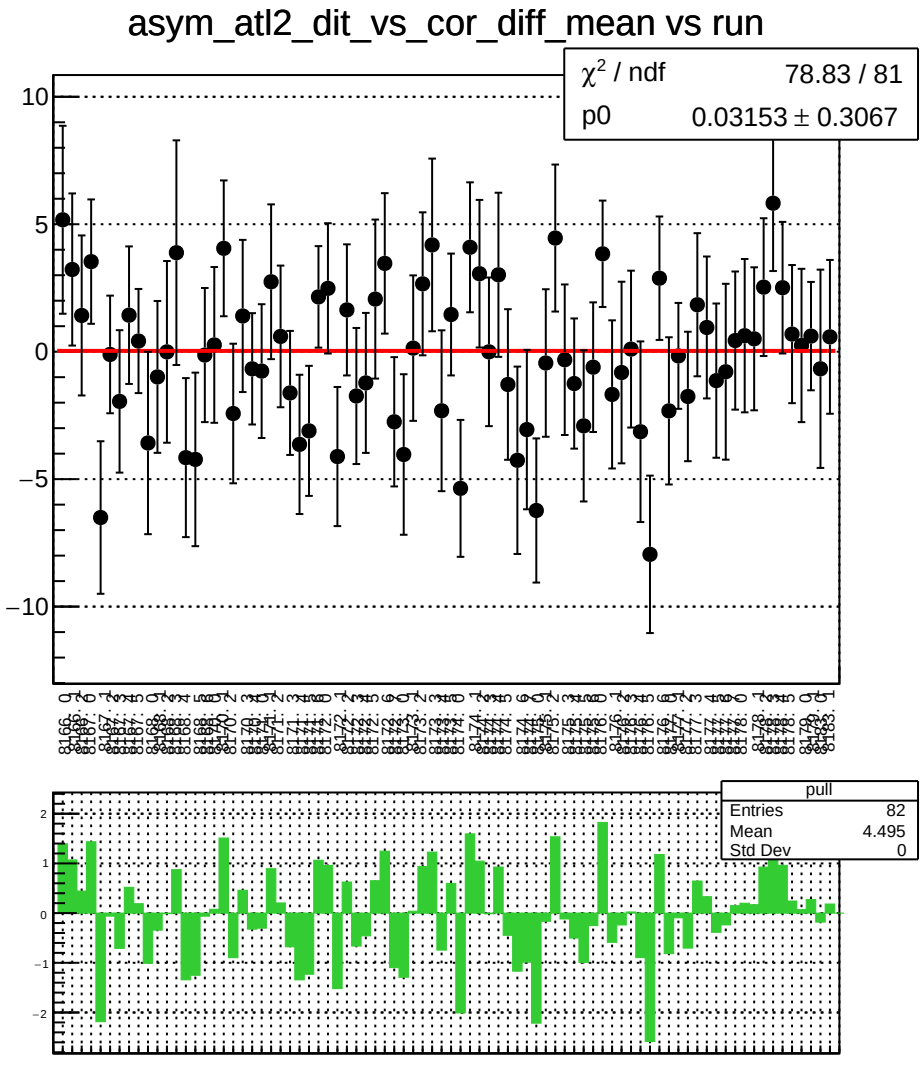
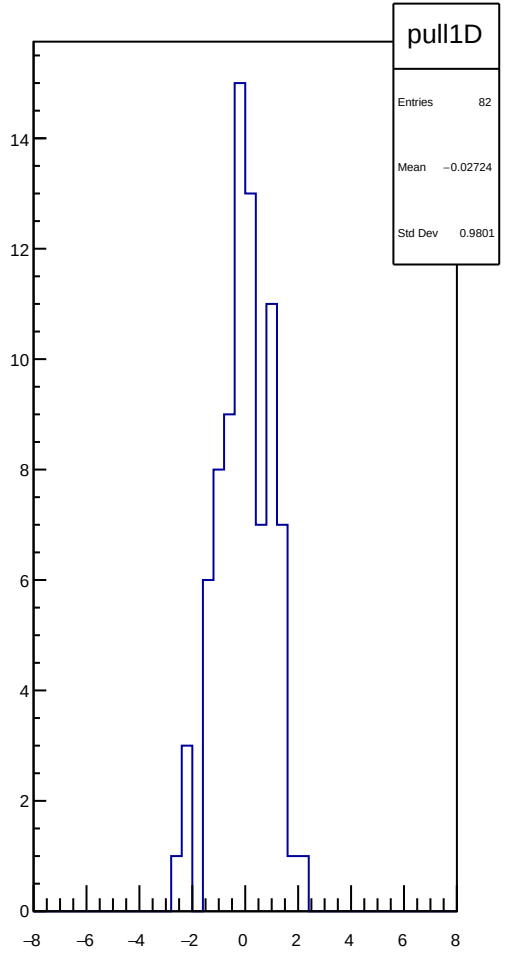
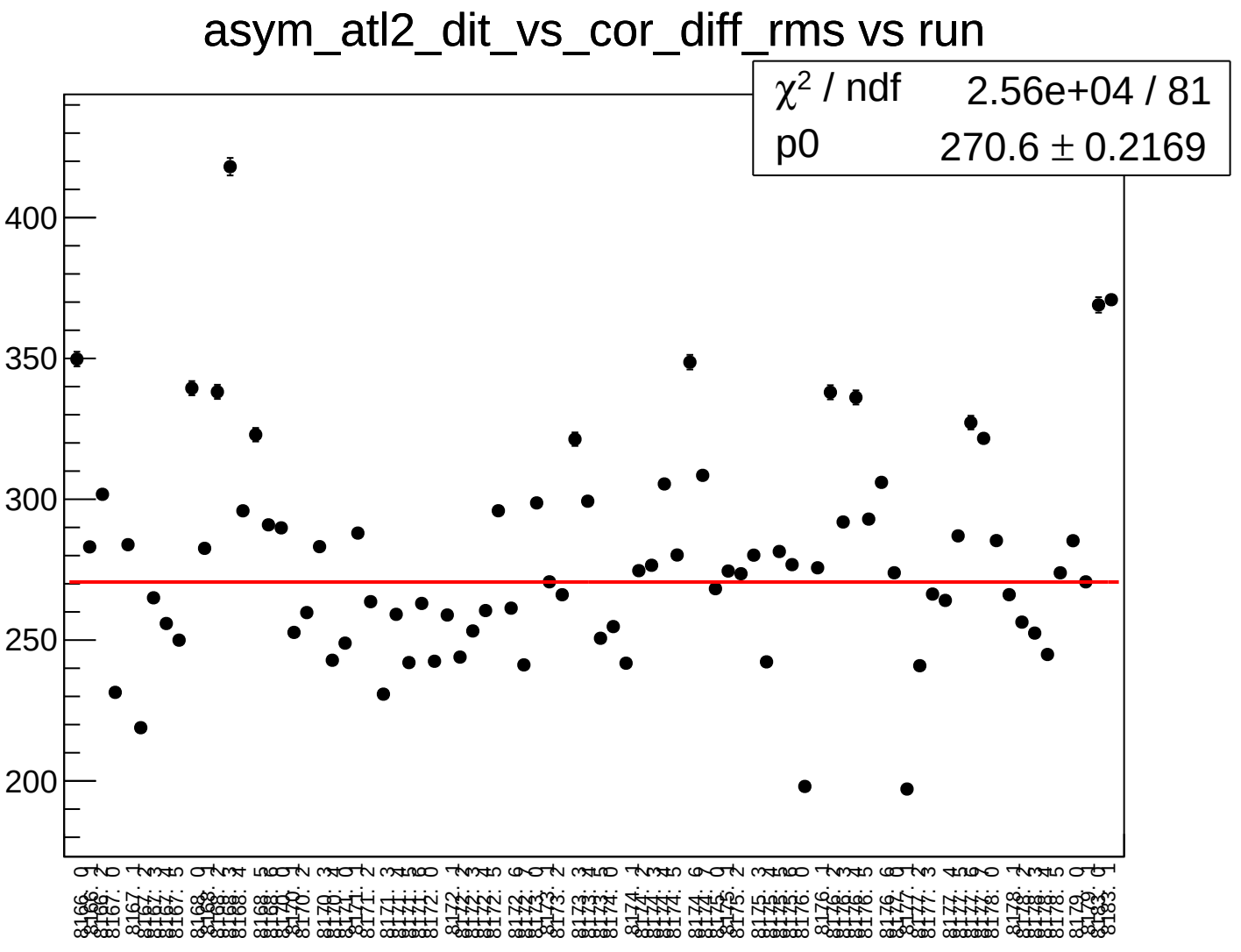
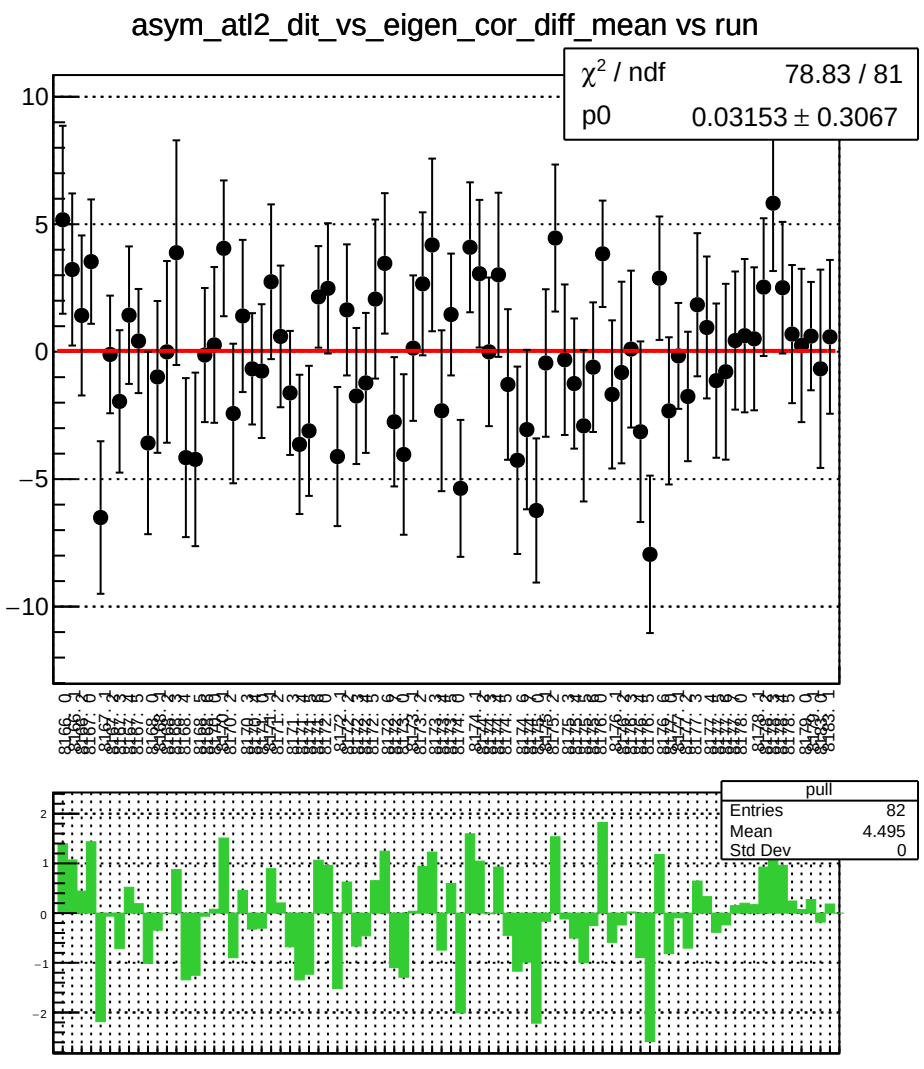
0
2
4
6
8

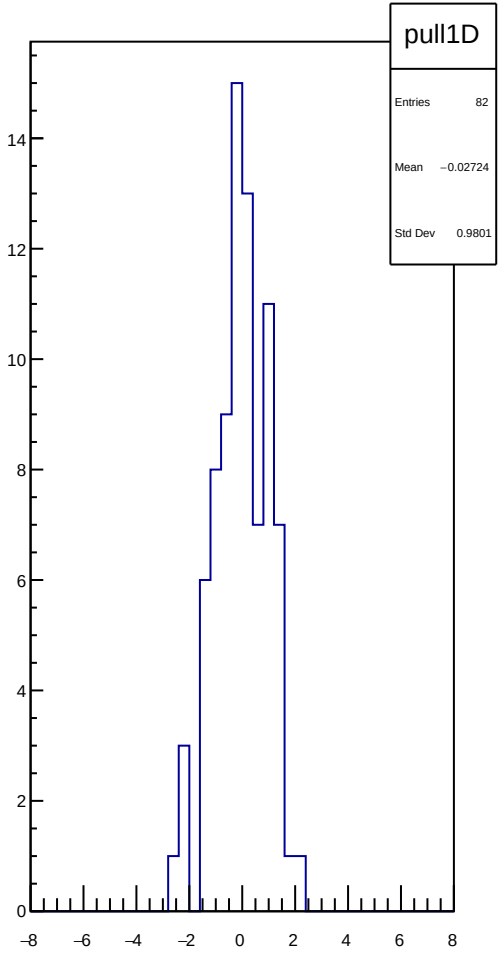

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.561e+05 / 81
p0 4.902e−10 ± 5.749e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

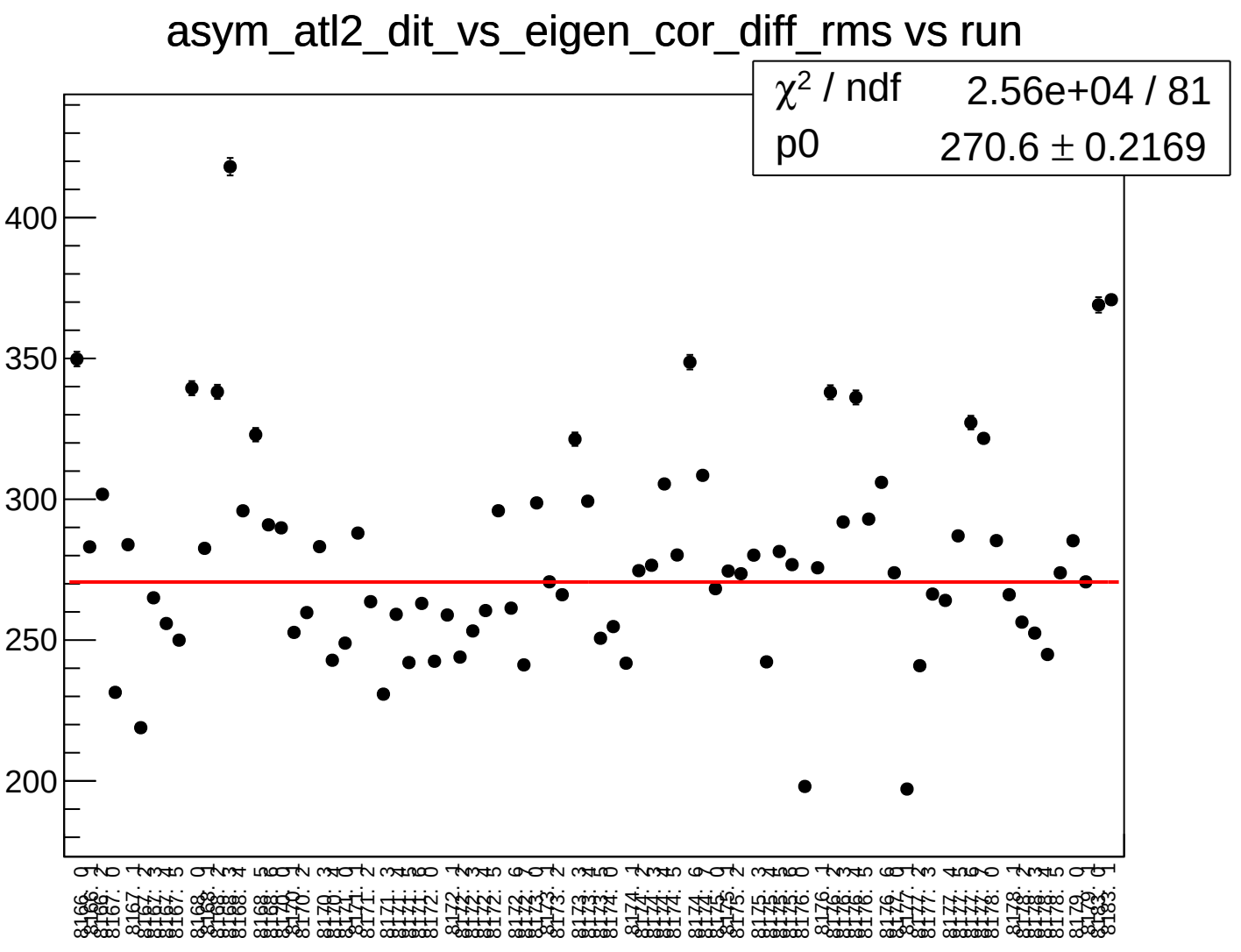

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 78.83 / 81
p0 0.03153 ± 0.3067
pull
Entries 82
Mean 4.495
Std Dev 0

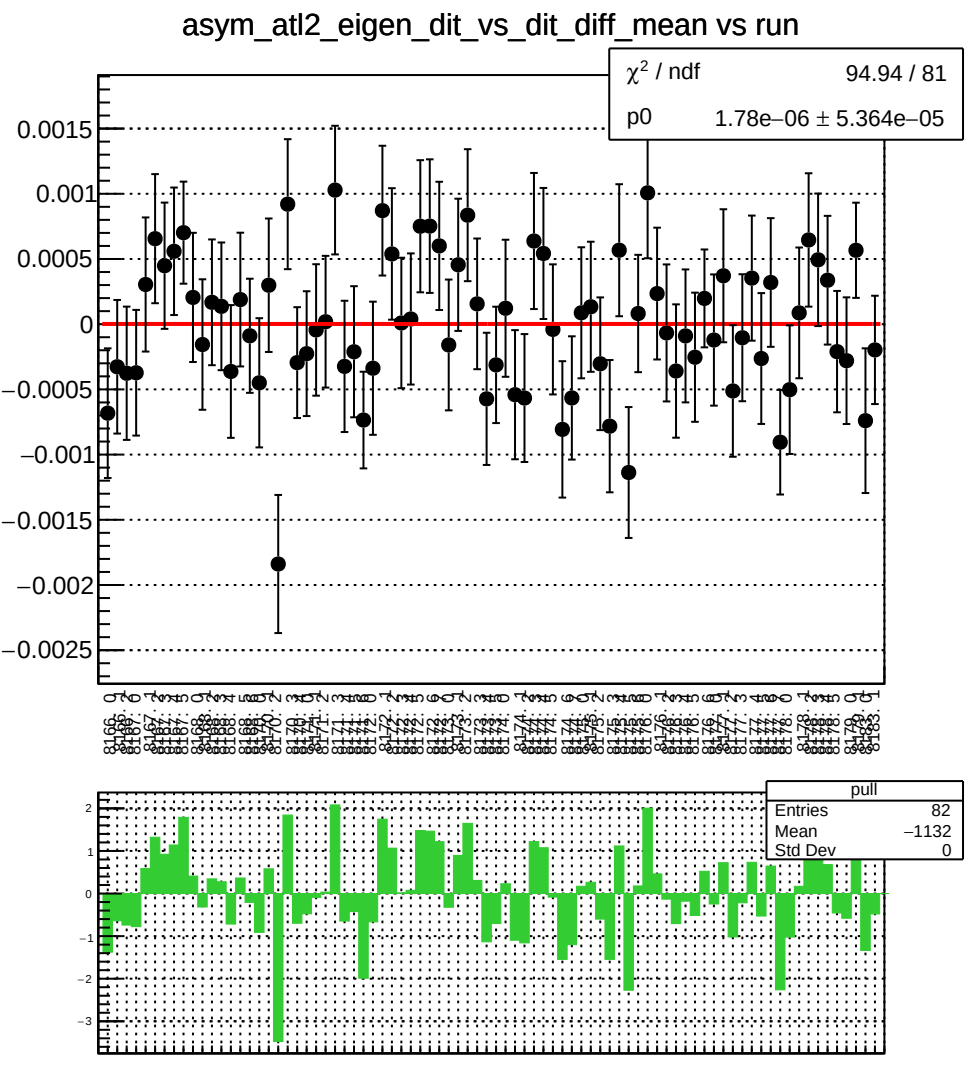

pull1D
Entries 82
Mean −0.02724
Std Dev 0.9801

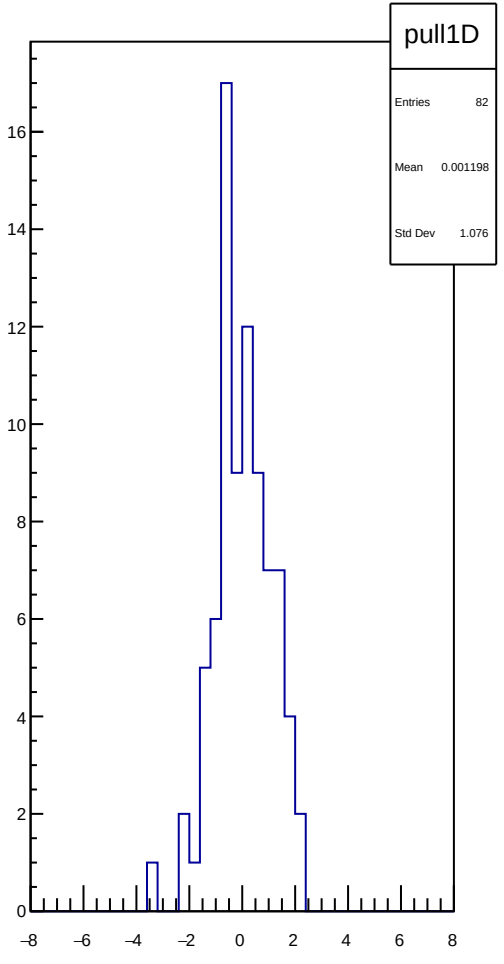

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.56e+04 / 81
p0 270.6 ± 0.2169
400
350
300
250
200

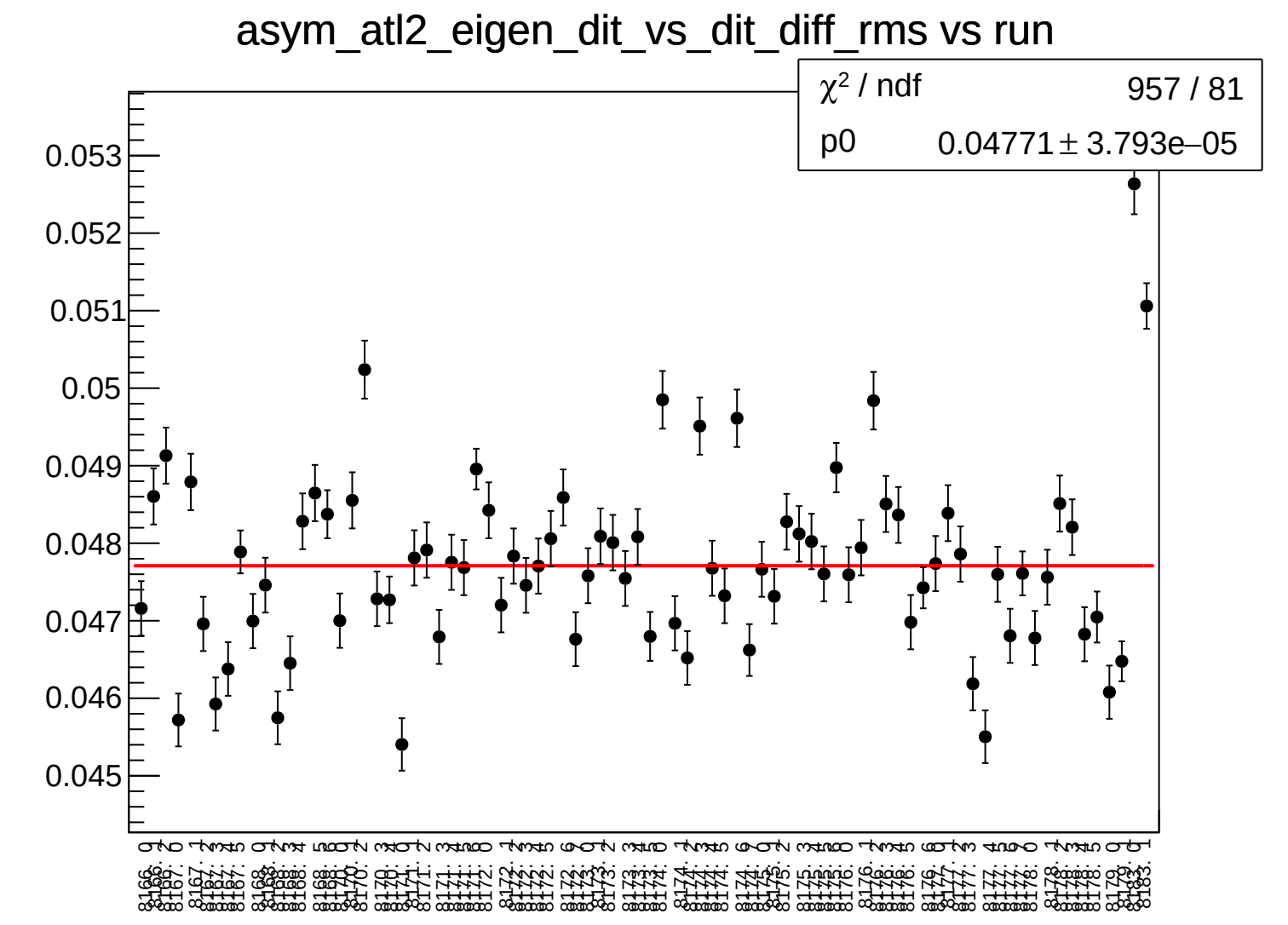

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.83 / 81
p0 0.03153 ± 0.3067
pull
Entries 82
Mean 4.495
Std Dev 0

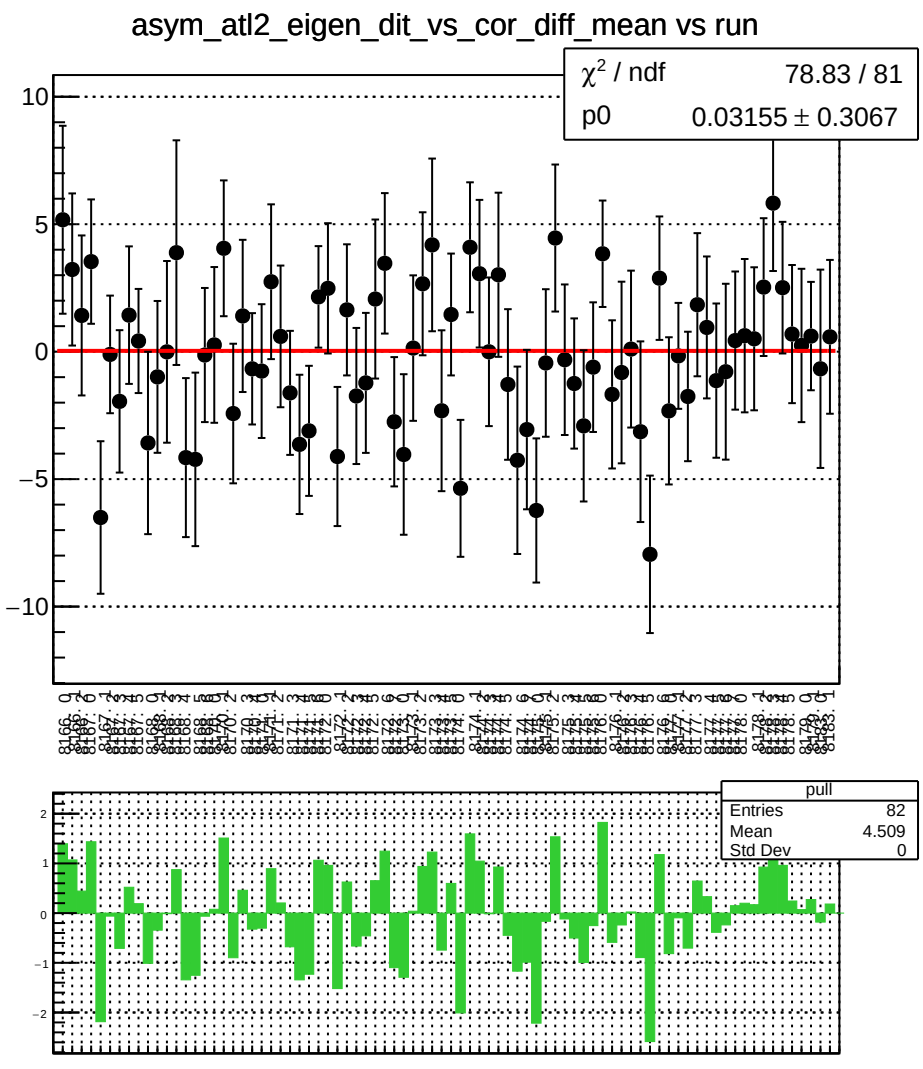

pull1D
Entries 82
Mean −0.02724
Std Dev 0.9801

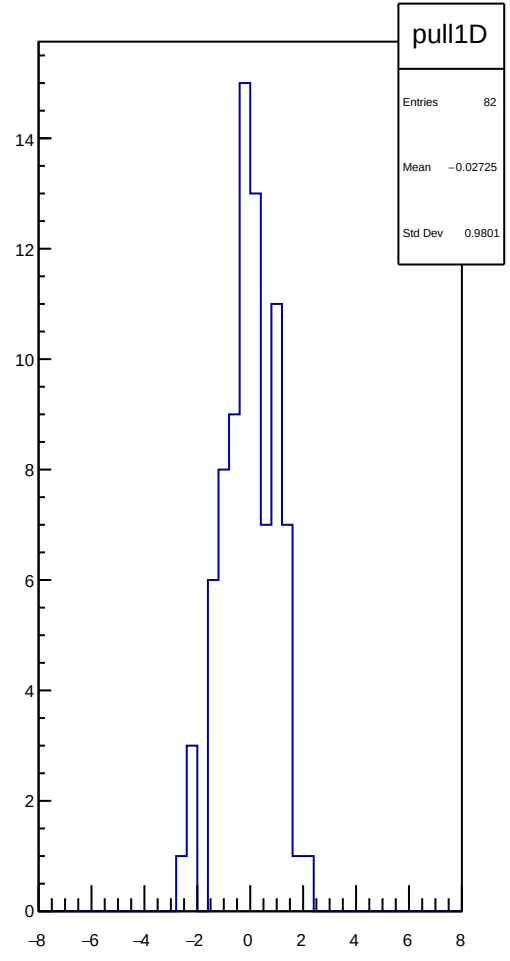

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.56e+04 / 81
p0 270.6 ± 0.2169
400
350
300
250
200

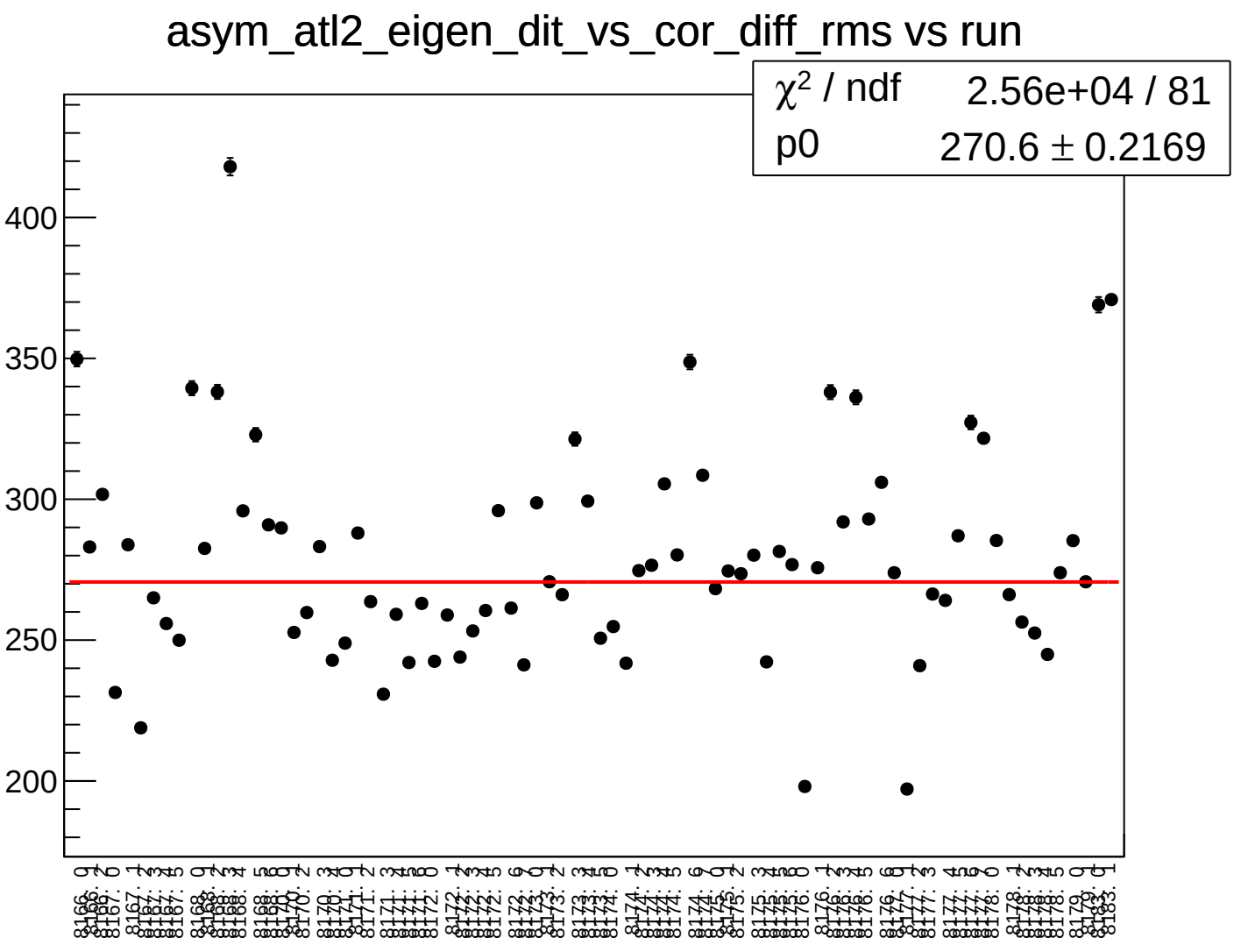

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 94.94 / 81
p0 1.78e−06 ± 5.364e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 82
Mean −1132
Std Dev 0
2
1
0
−1
−2
−3

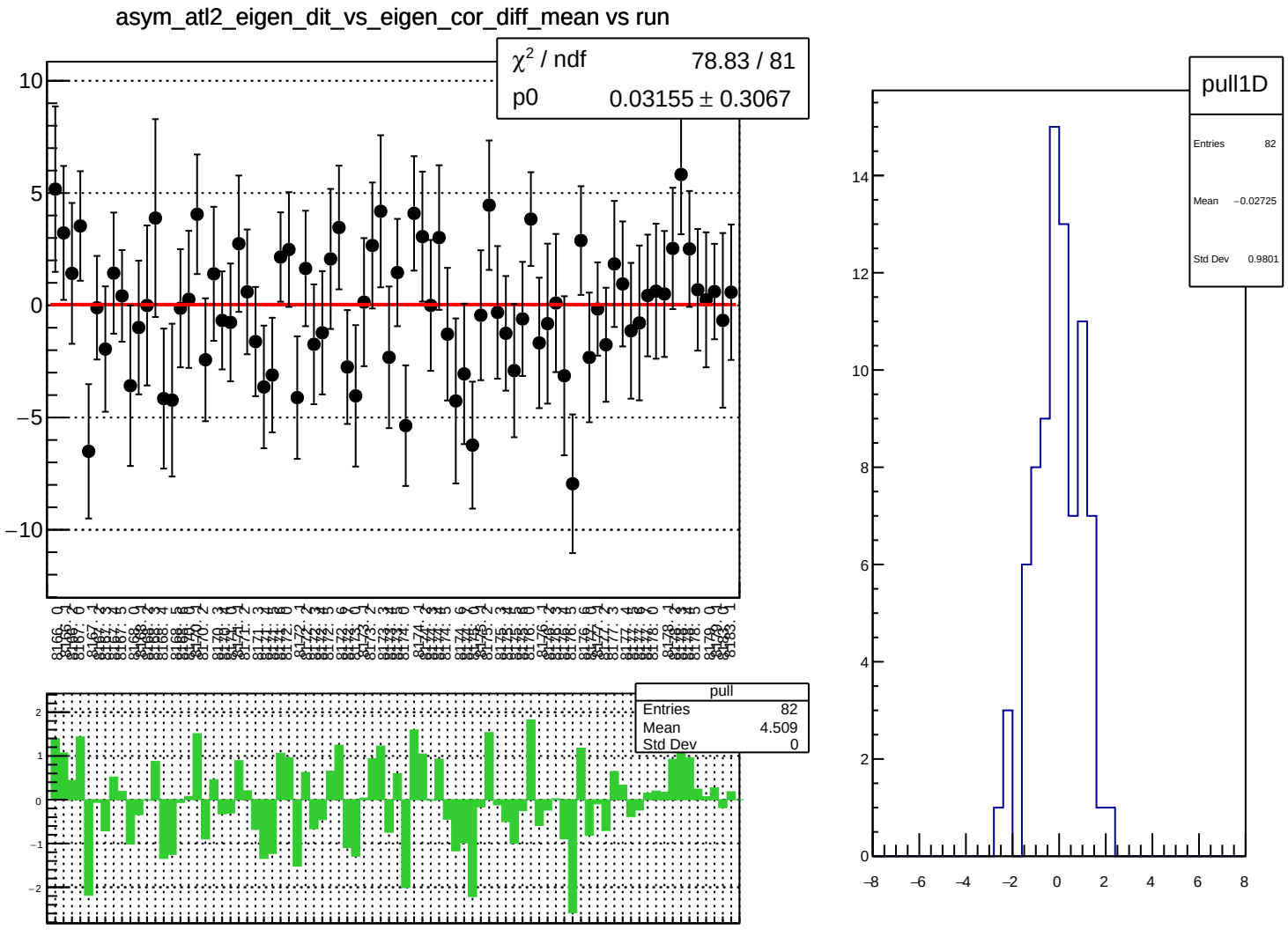

pull1D
Entries 82
Mean 0.001198
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

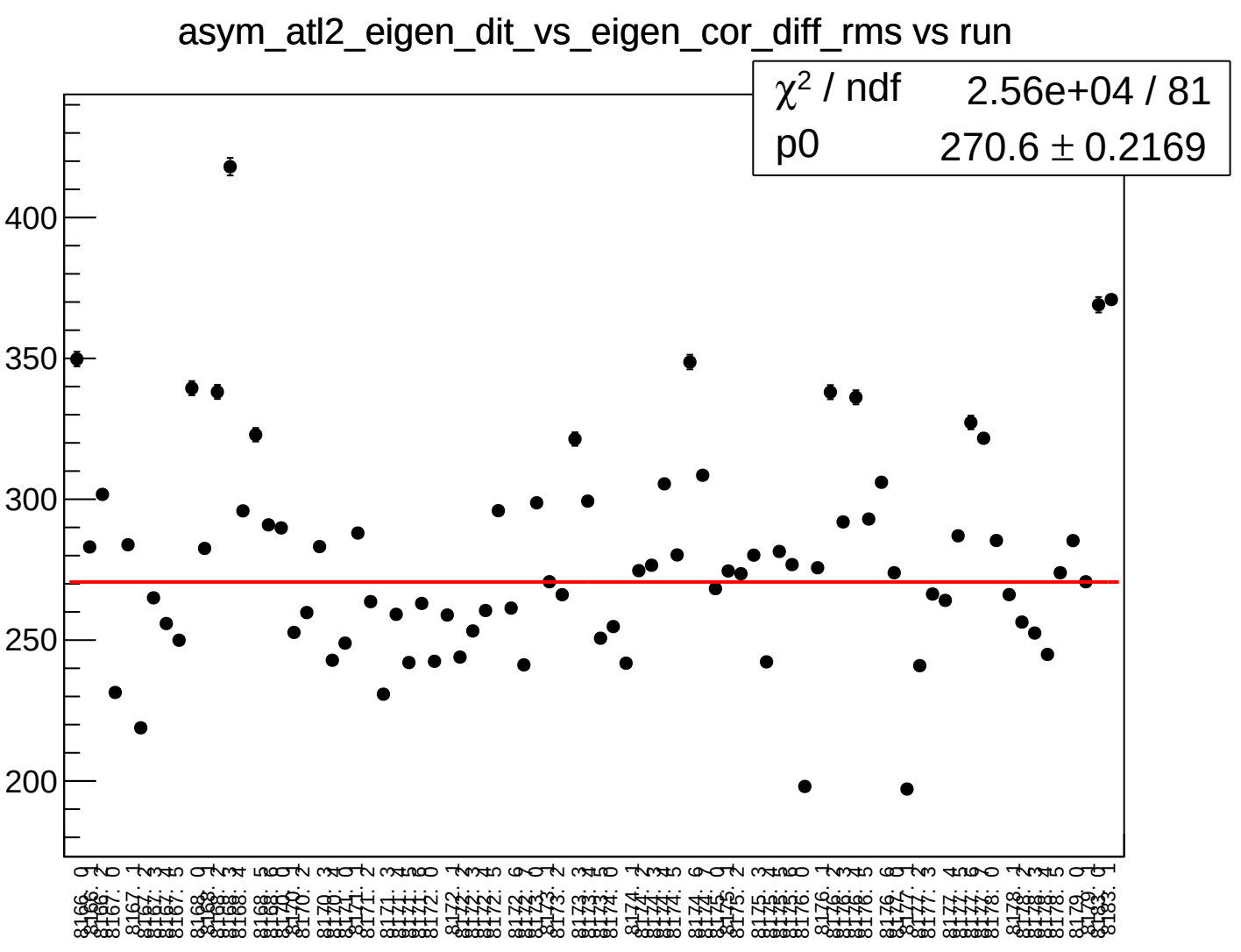

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 957 / 81
p0 0.04771 ± 3.793e–05
0.053
0.052
0.051
0.05
0.049
0.048
0.047
0.046
0.045

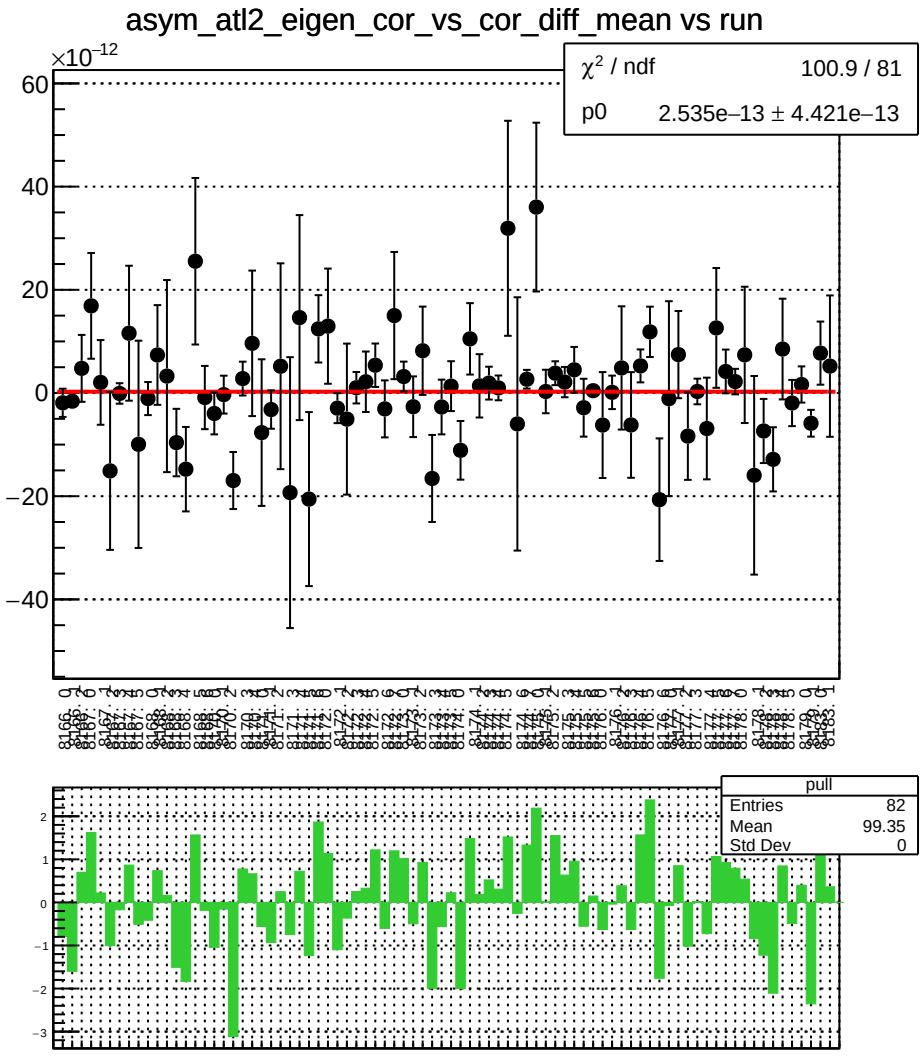

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.83 / 81
p0 0.03155 ± 0.3067
pull
Entries 82
Mean 4.509
Std Dev 0

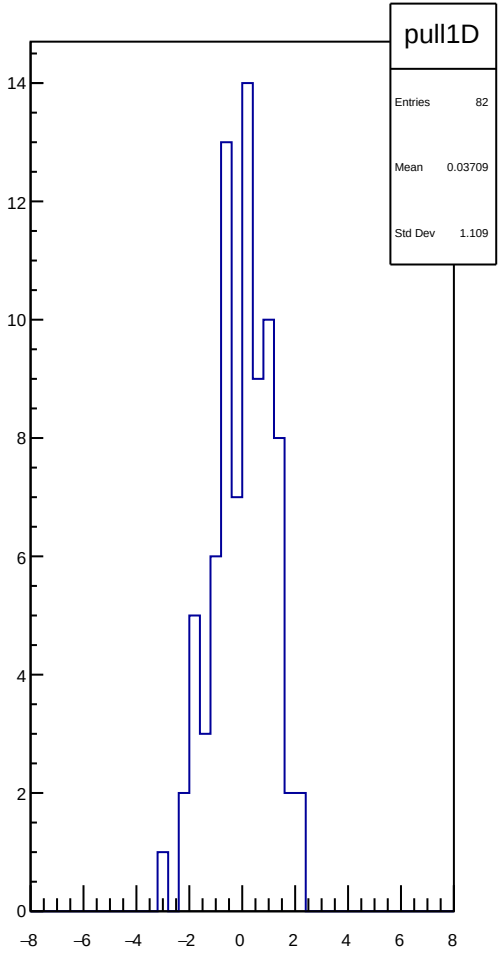

pull1D
Entries 82
Mean −0.02725
Std Dev 0.9801

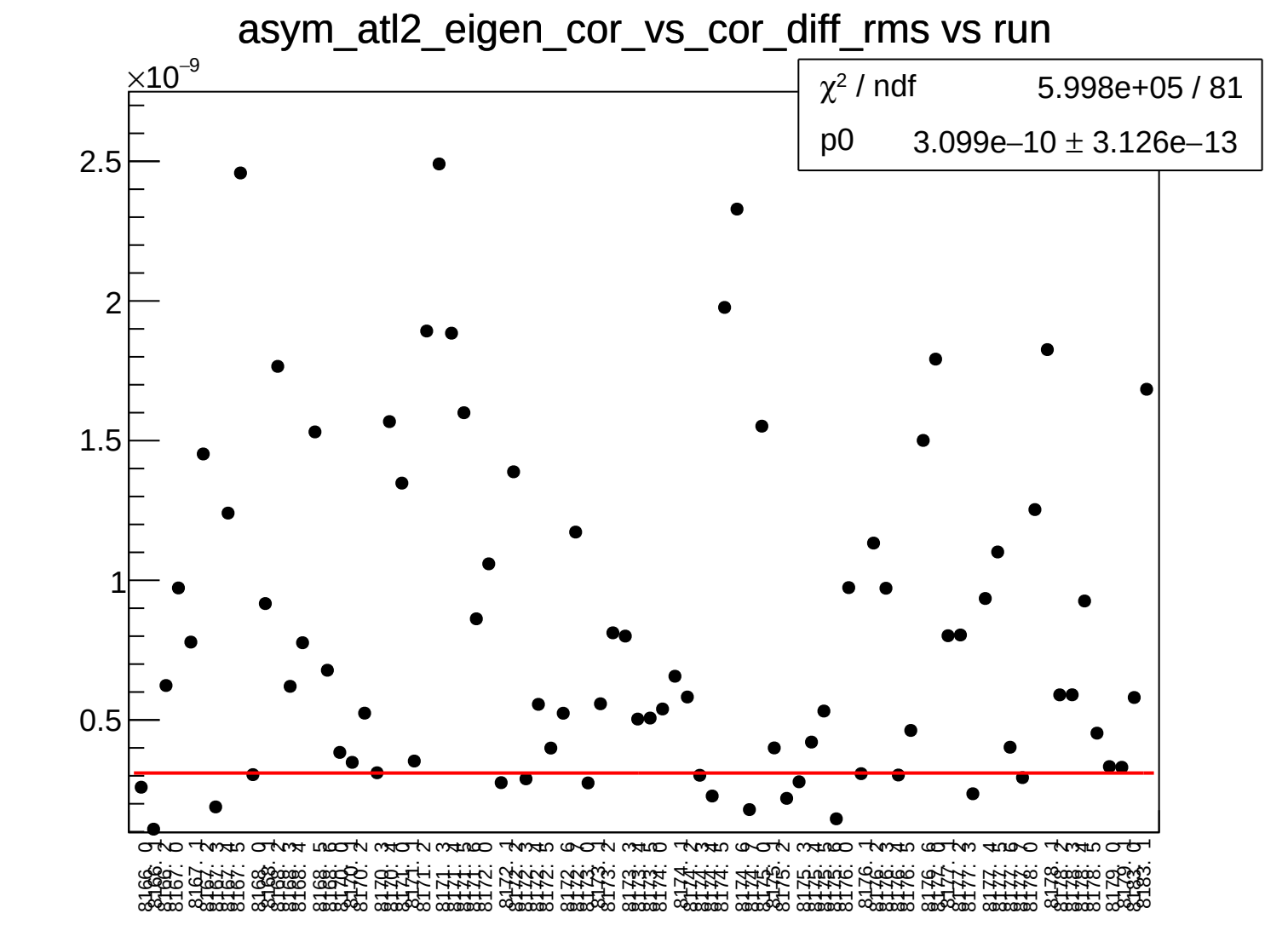

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.56e+04 / 81
p0 270.6 ± 0.2169
400
350
300
250
200

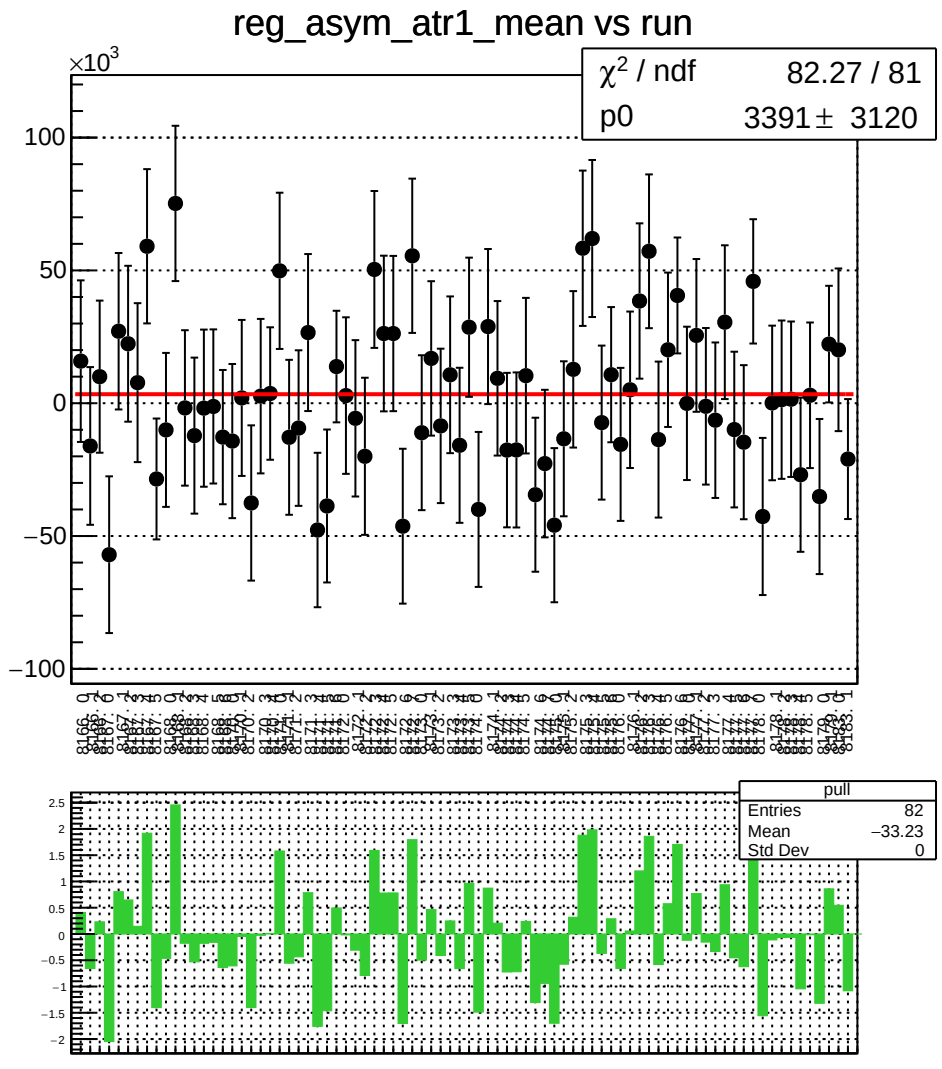

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.83 / 81
p0 0.03155 ± 0.3067
pull
Entries 82
Mean 4.509
Std Dev 0
pull1D
Entries 82
Mean −0.02725
Std Dev 0.9801

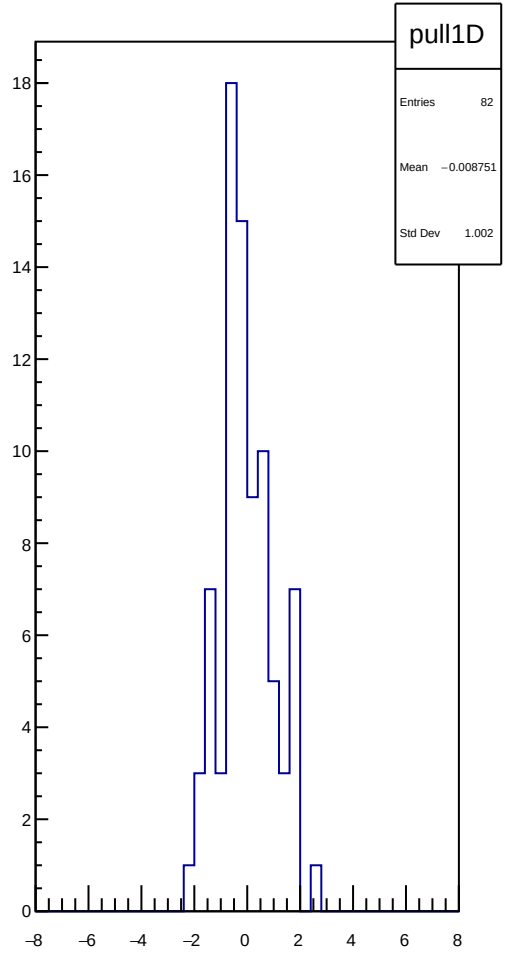

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.56e+04 / 81
p0 270.6 ± 0.2169
400
350
300
250
200

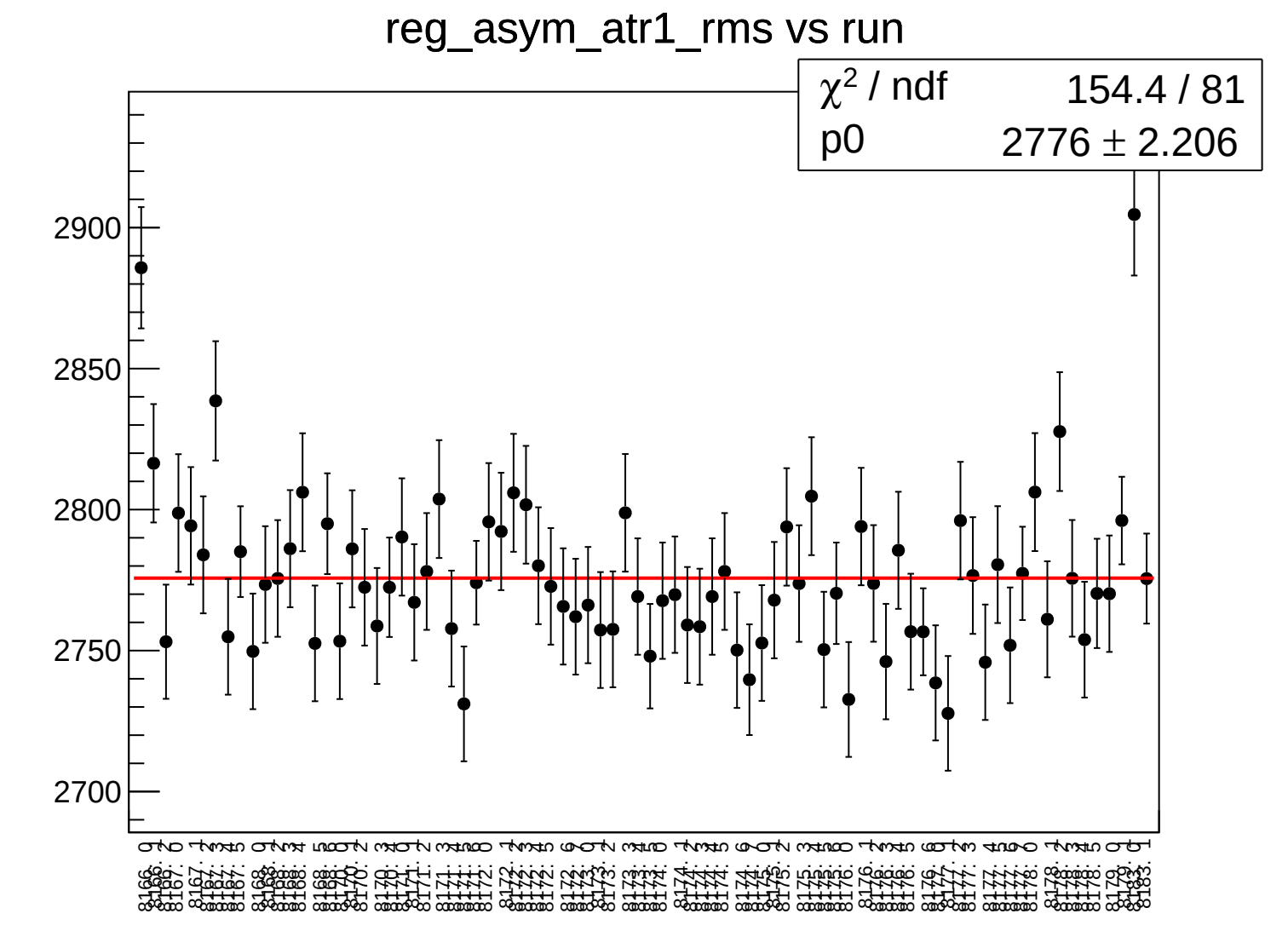

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 100.9 / 81
p0 2.535e−13 ± 4.421e−13
60
40
20
0
−20
−40
pull
Entries 82
Mean 99.35
Std Dev 0
2
1
0
−1
−2
−3

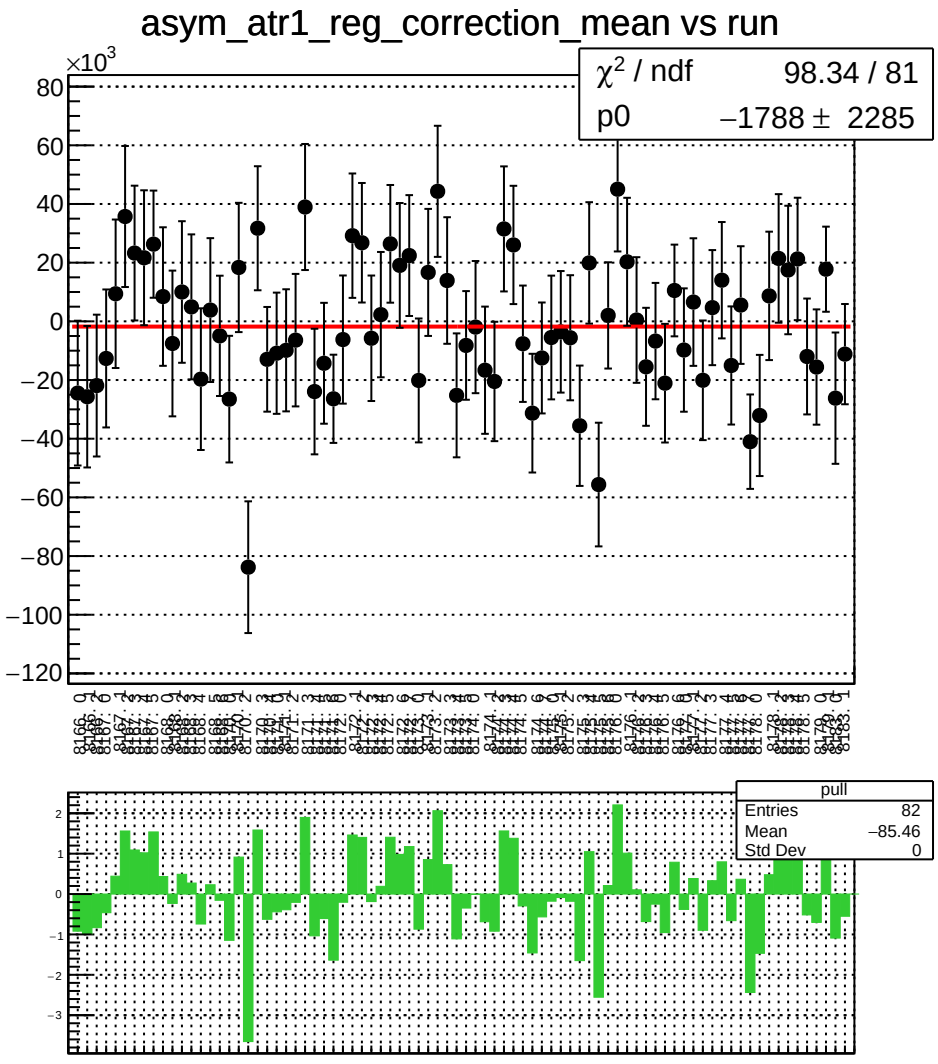

pull1D
Entries 82
Mean 0.03709
Std Dev 1.109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

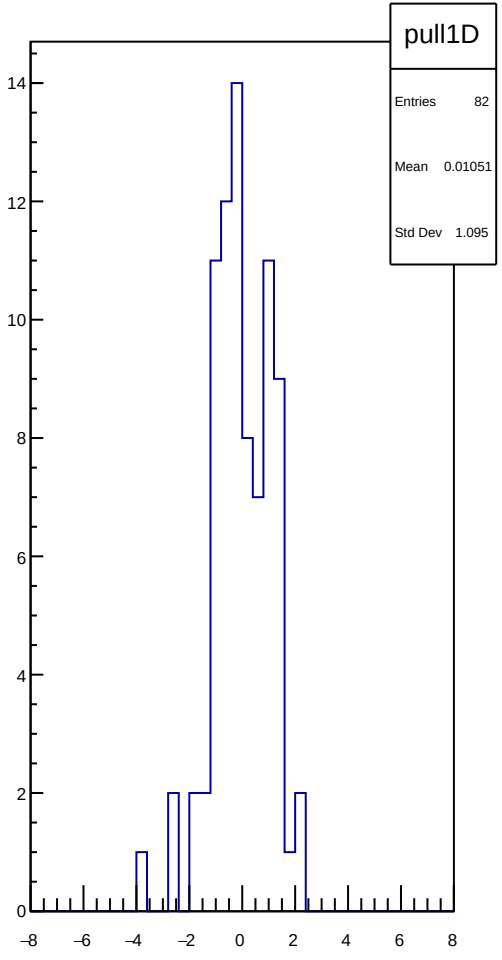

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.998e+05 / 81
p0 3.099e−10 ± 3.126e−13
2.5
2
1.5
1
0.5

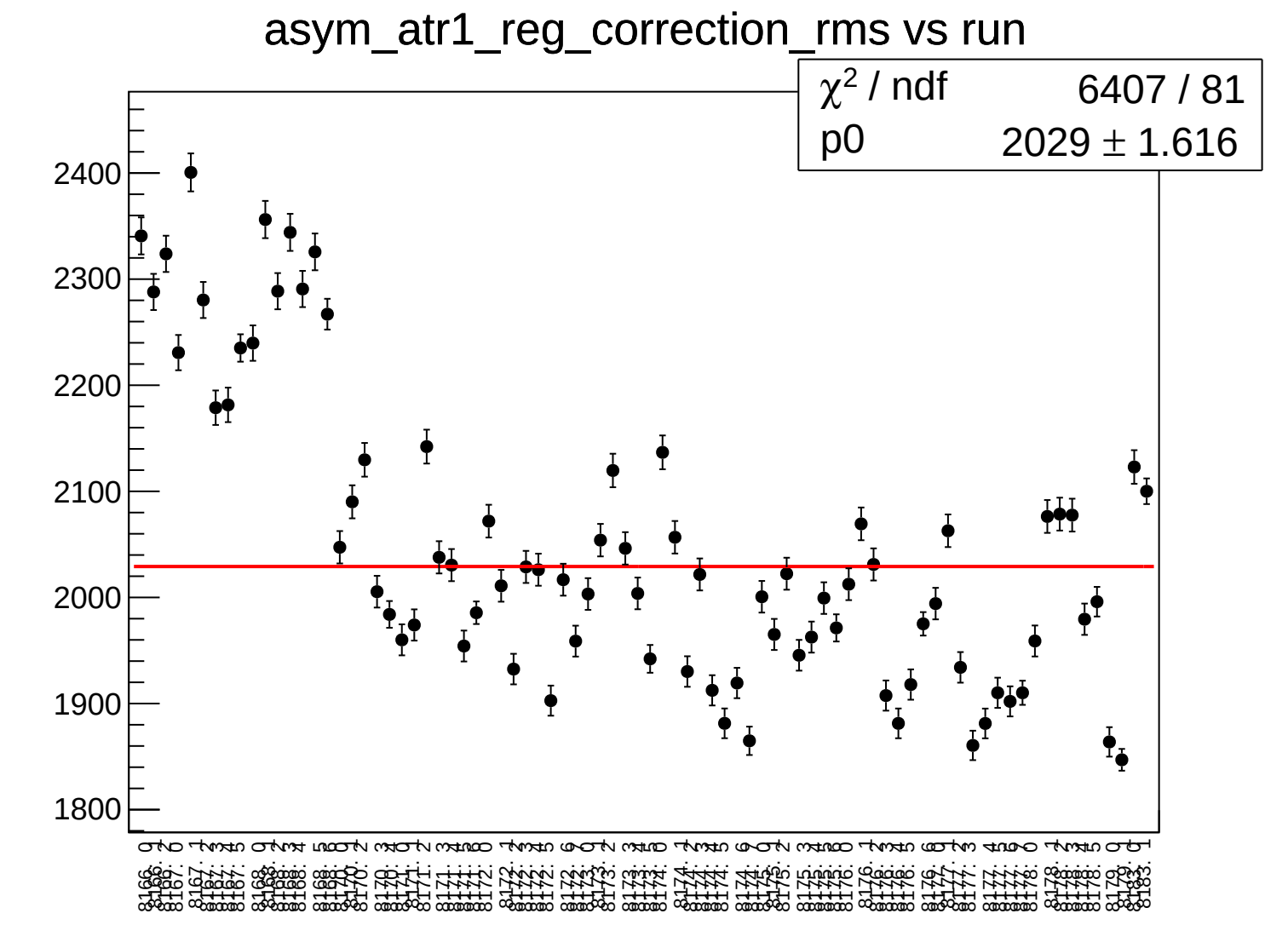

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 82.27 / 81
p0 3391 ± 3120
100
50
0
−50
−100
pull
Entries 82
Mean −33.23
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

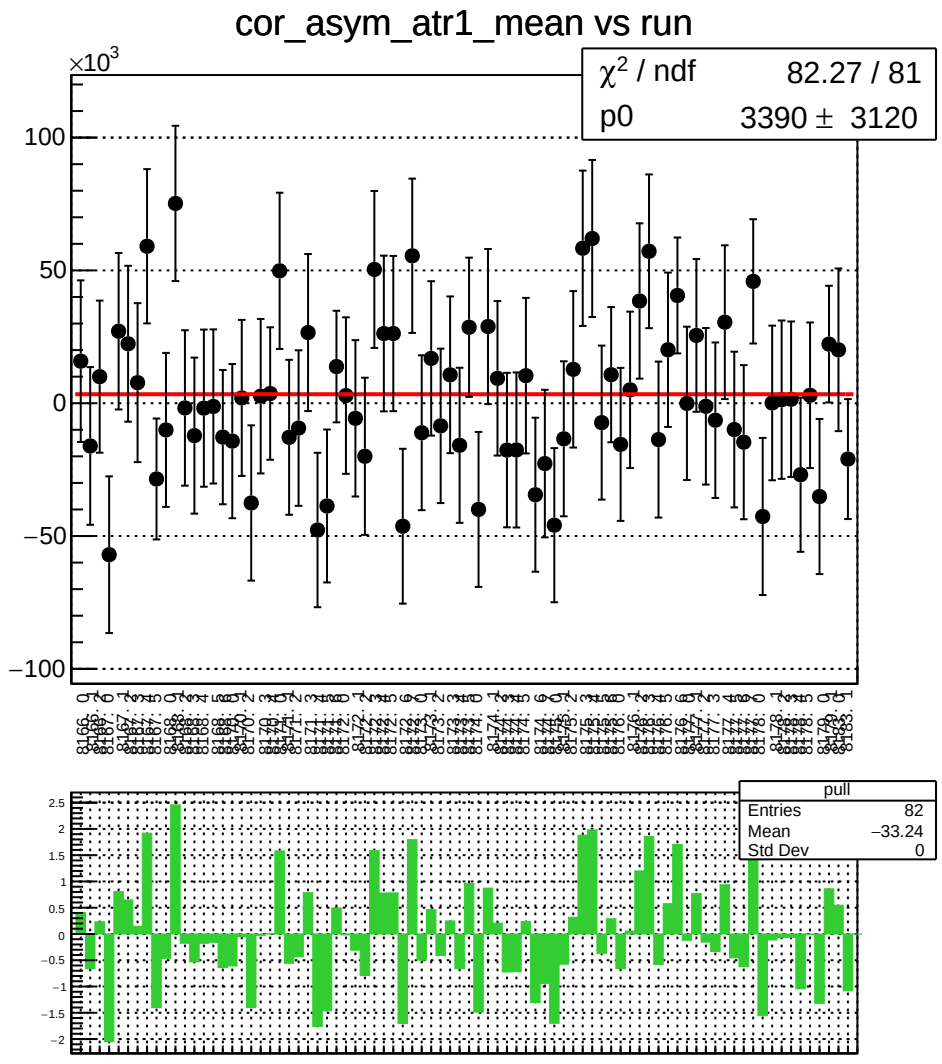

pull1D
Entries 82
Mean −0.008751
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

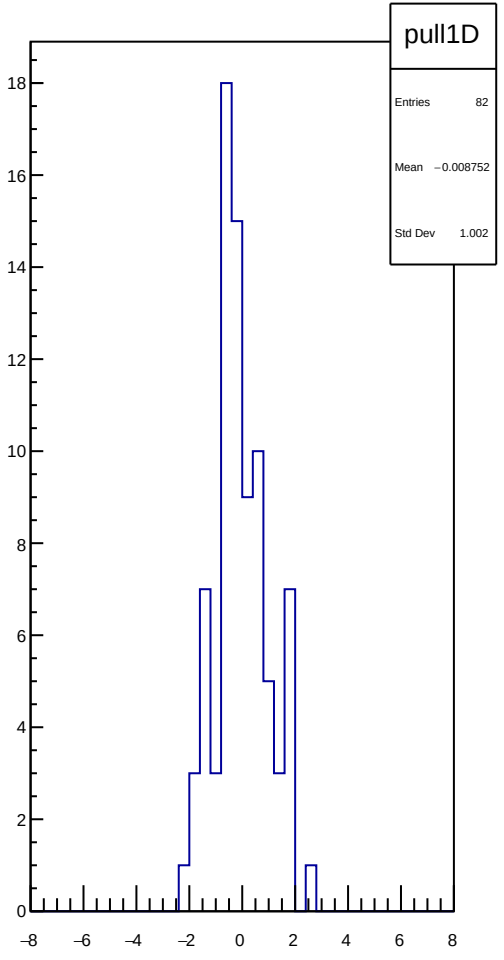

reg_asym_atr1_rms vs run
χ² / ndf 154.4 / 81
p0 2776 ± 2.206
2900
2850
2800
2750
2700

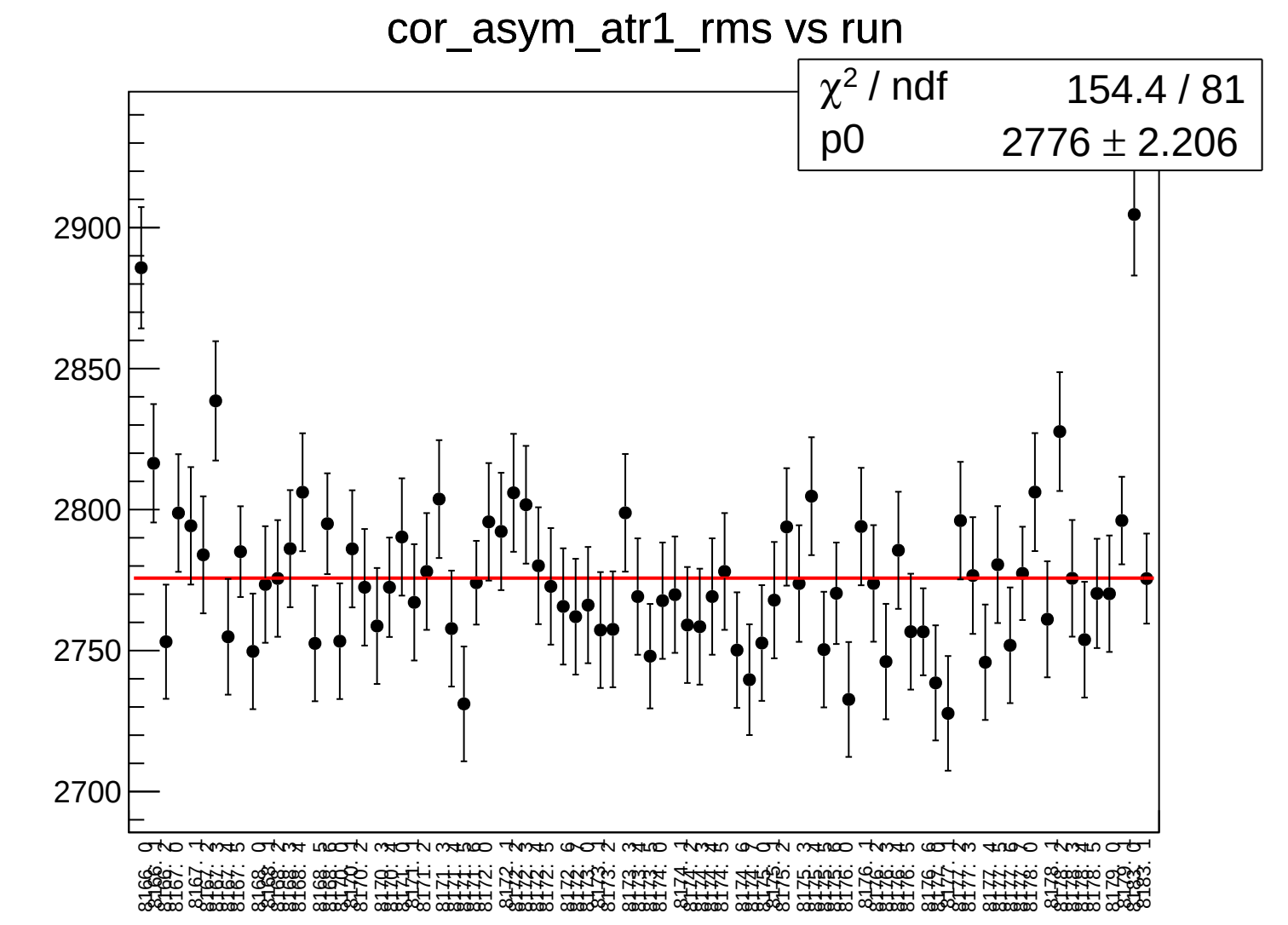

asym_atr1_reg_correction_mean vs run
×10^3
χ^2 / ndf 98.34 / 81
p0 −1788 ± 2285
pull
Entries 82
Mean −85.46
Std Dev 0

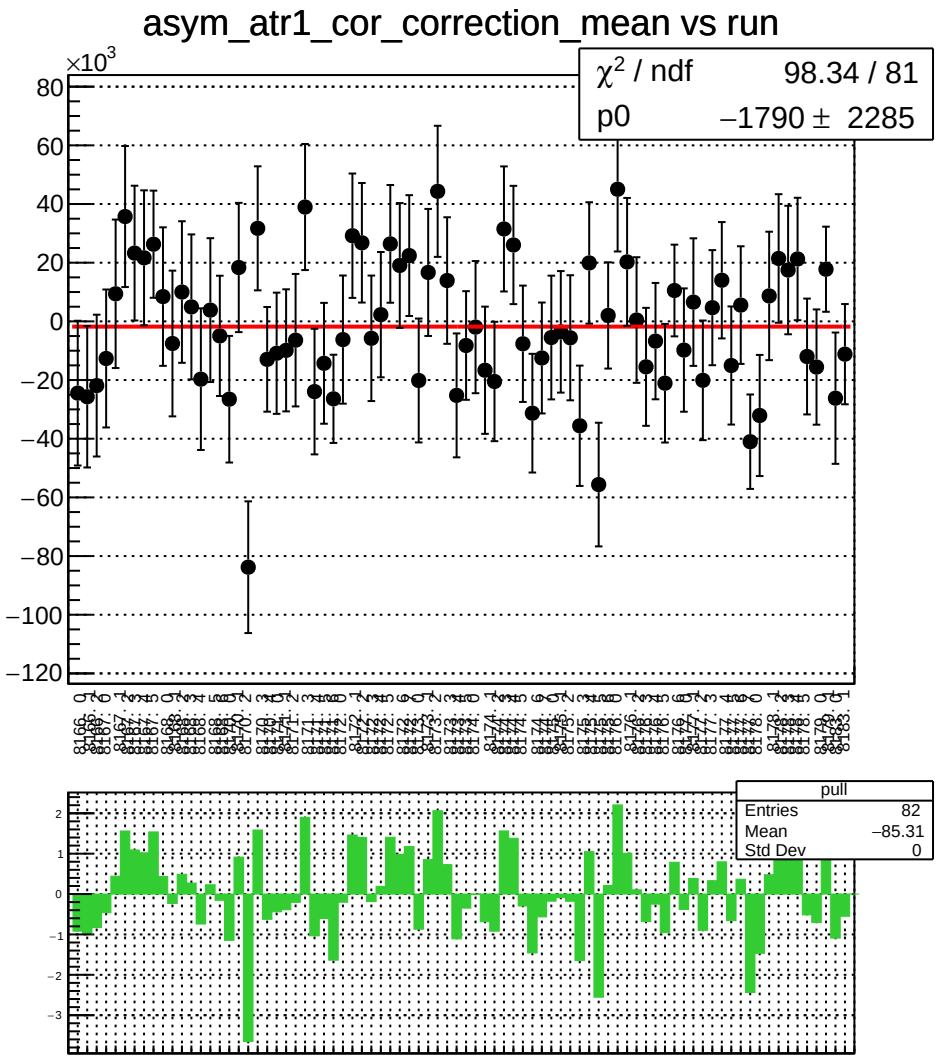

pull1D
Entries 82
Mean 0.01051
Std Dev 1.095

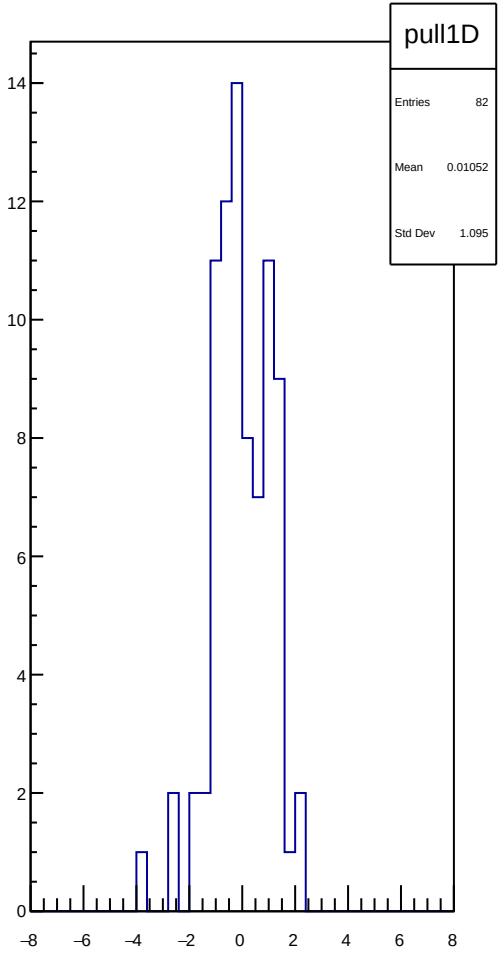

asym_atr1_reg_correction_rms vs run
χ² / ndf 6407 / 81
p0 2029 ± 1.616
2400
2300
2200
2100
2000
1900
1800

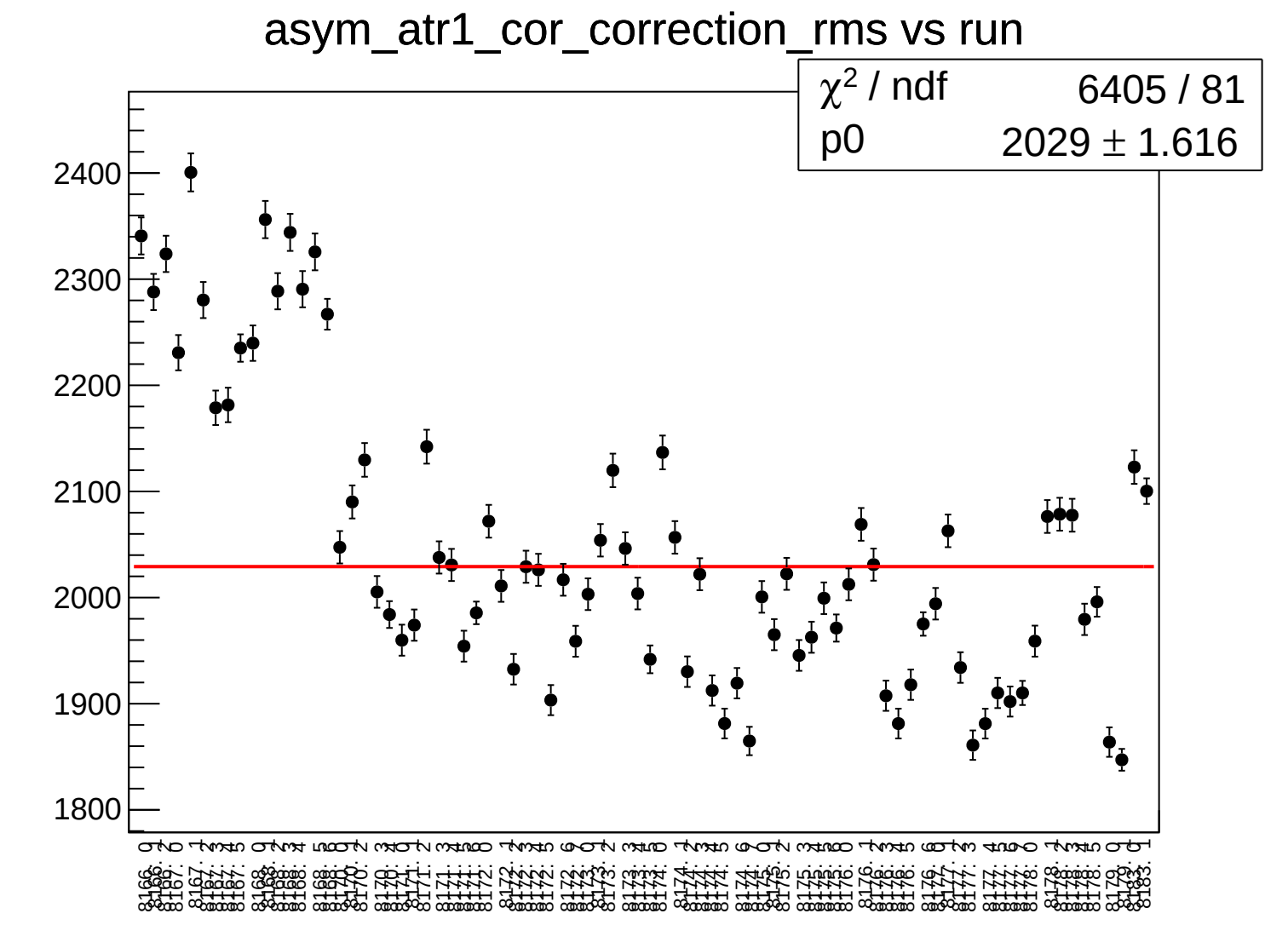

cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 82.27 / 81
p0 3390 ± 3120
100
50
0
−50
−100
pull
Entries 82
Mean −33.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

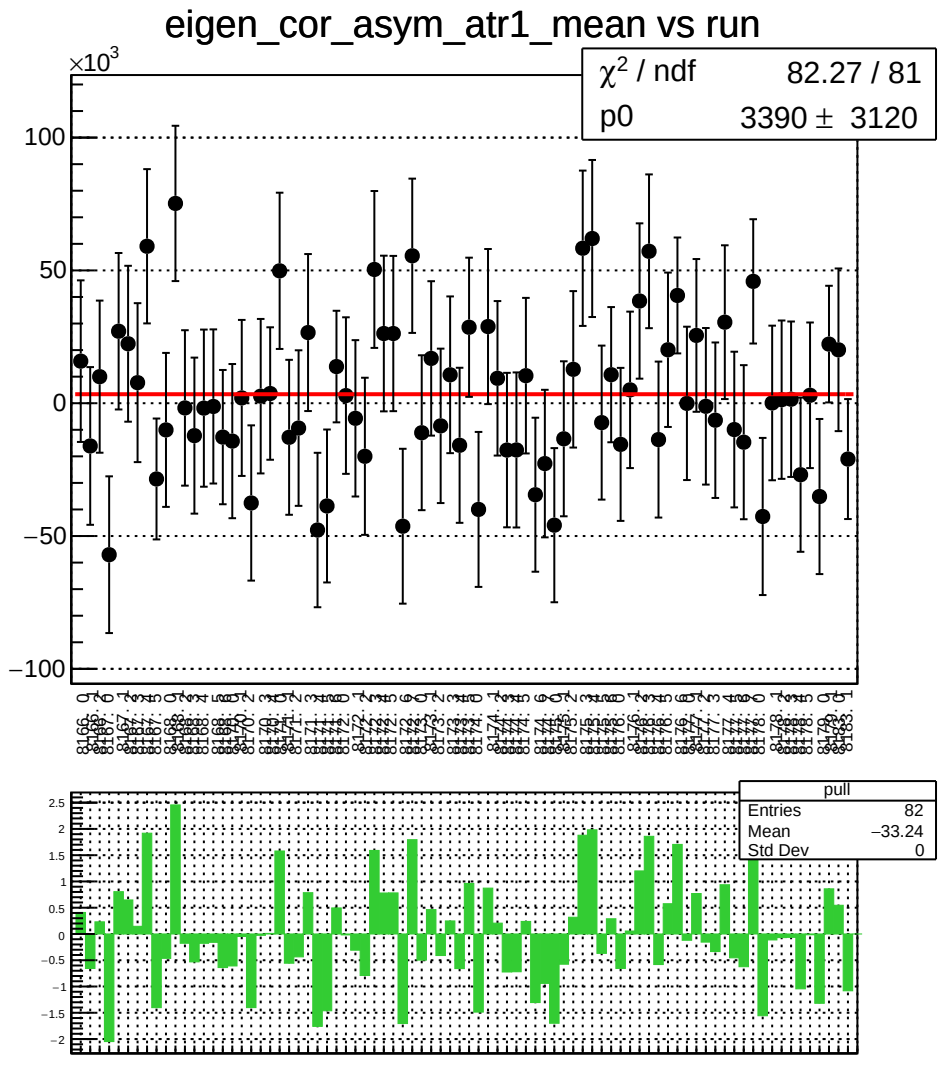

pull1D
Entries 82
Mean −0.008752
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

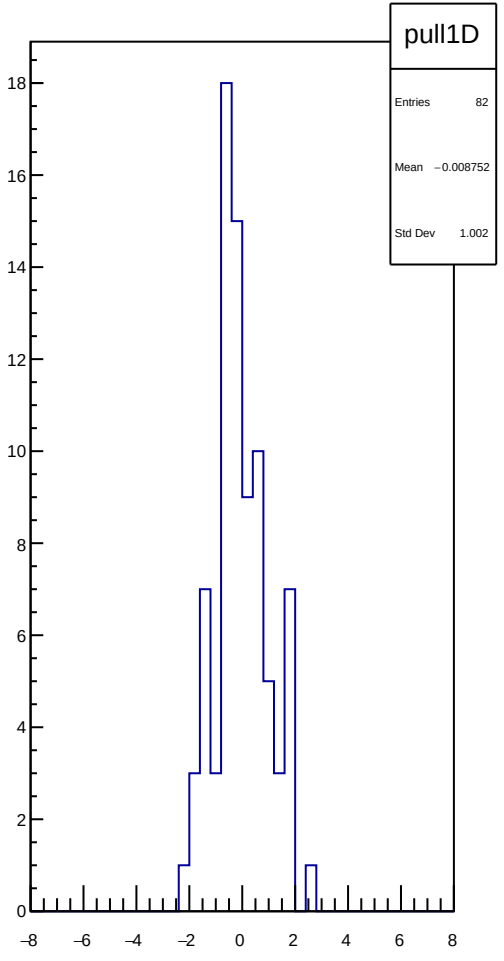

cor_asym_atr1_rms vs run
χ^2 / ndf 154.4 / 81
p0 2776 ± 2.206
2900
2850
2800
2750
2700

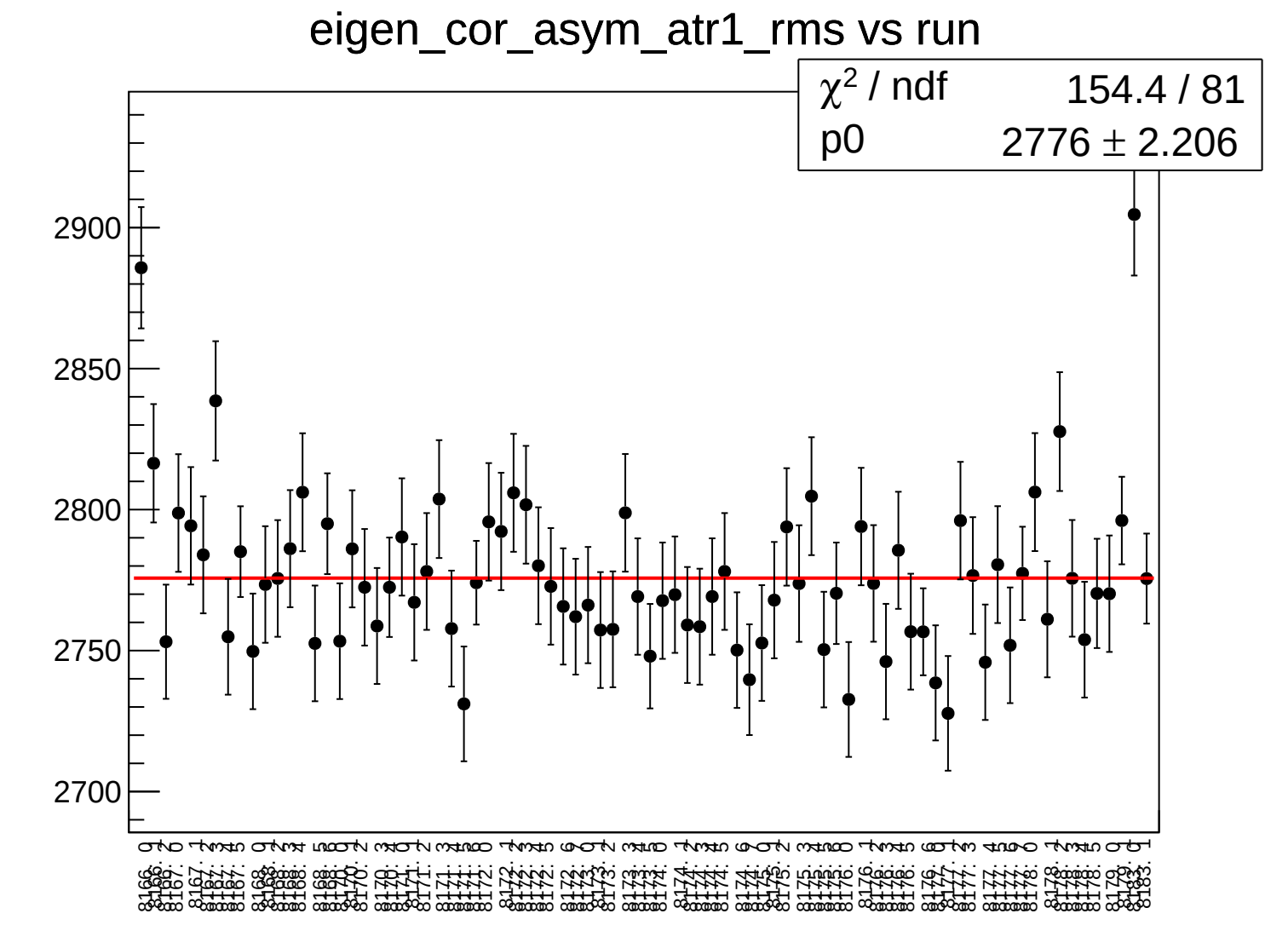

asym_atr1_cor_correction_mean vs run
χ² / ndf 98.34 / 81
p0 −1790 ± 2285
×10³
pull
Entries 82
Mean −85.31
Std Dev 0

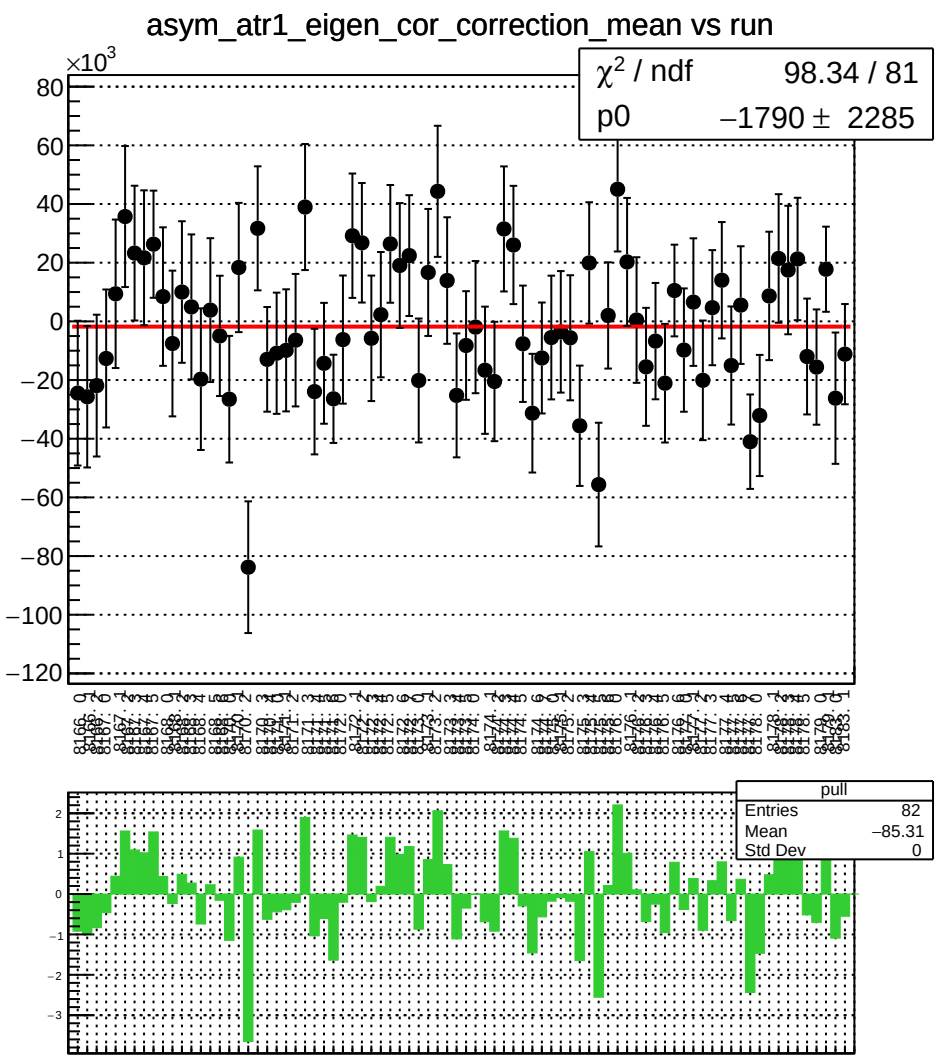

pull1D
Entries 82
Mean 0.01052
Std Dev 1.095

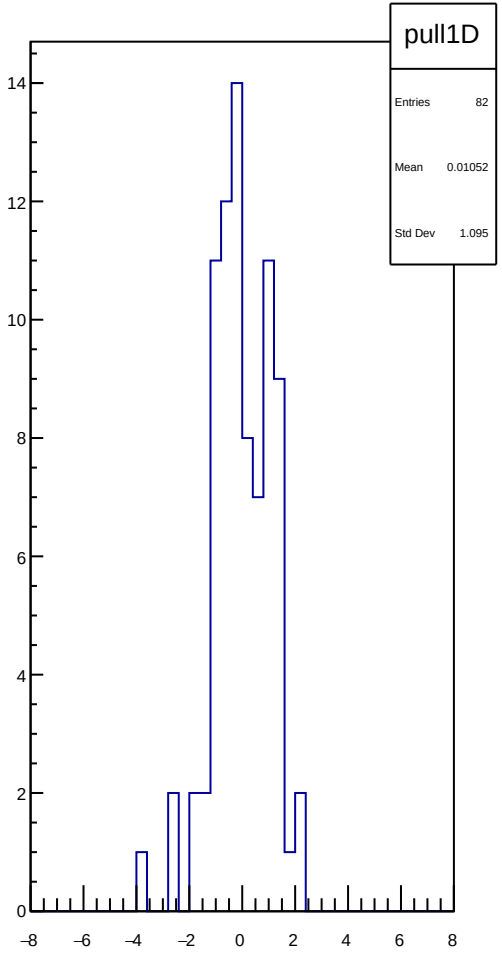

asym_atr1_cor_correction_rms vs run
χ² / ndf 6405 / 81
p0 2029 ± 1.616
2400
2300
2200
2100
2000
1900
1800

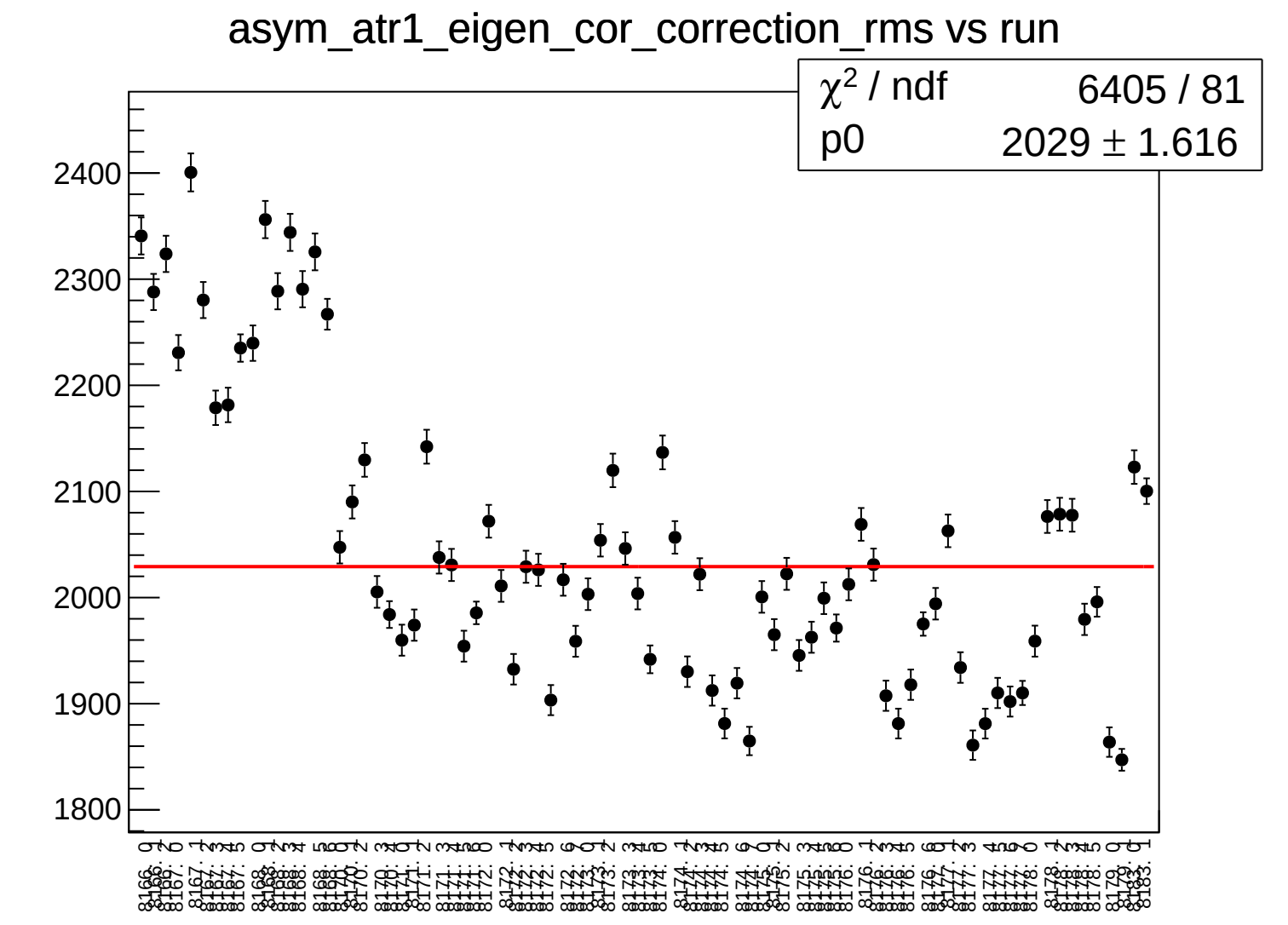

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 82.27 / 81
p0 3390 ± 3120
100
50
0
−50
−100
pull
Entries 82
Mean −33.24
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

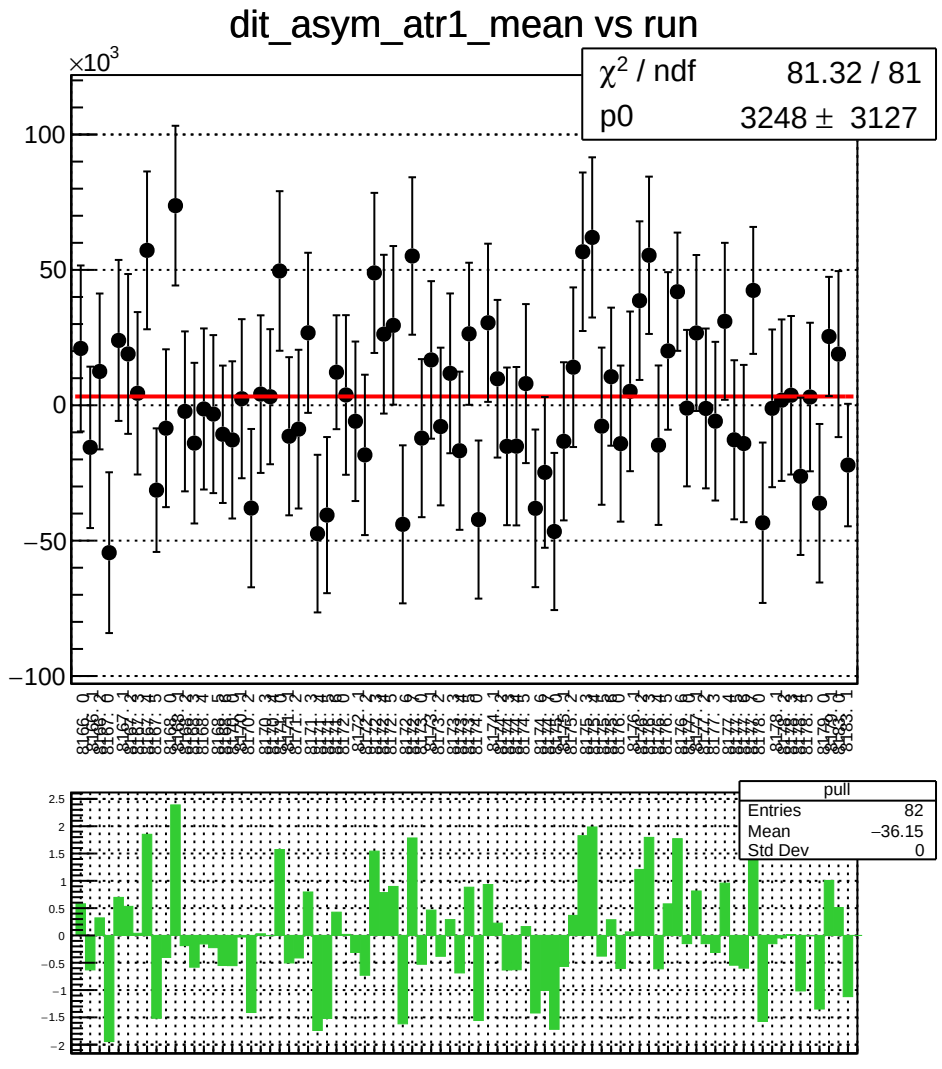

pull1D
Entries 82
Mean −0.008752
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

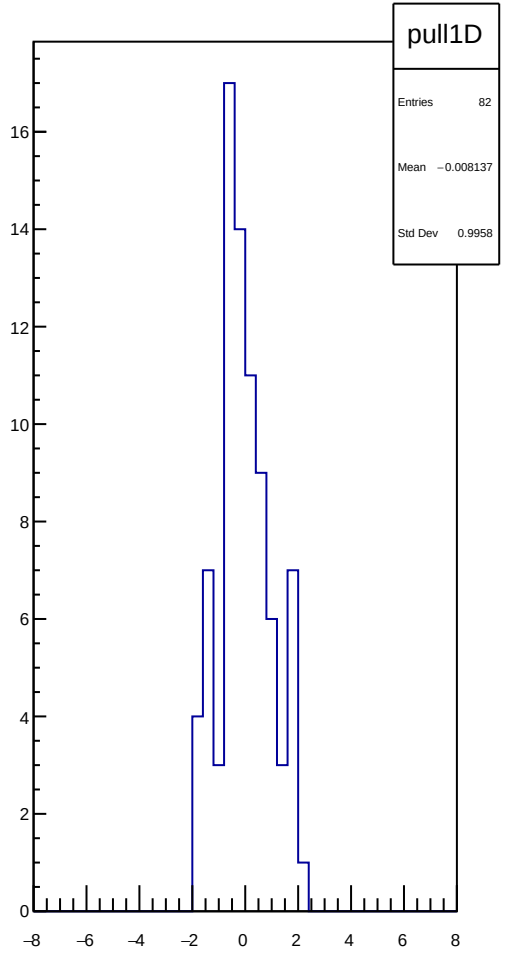

eigen_cor_asym_atr1_rms vs run
χ² / ndf 154.4 / 81
p0 2776 ± 2.206
2900
2850
2800
2750
2700

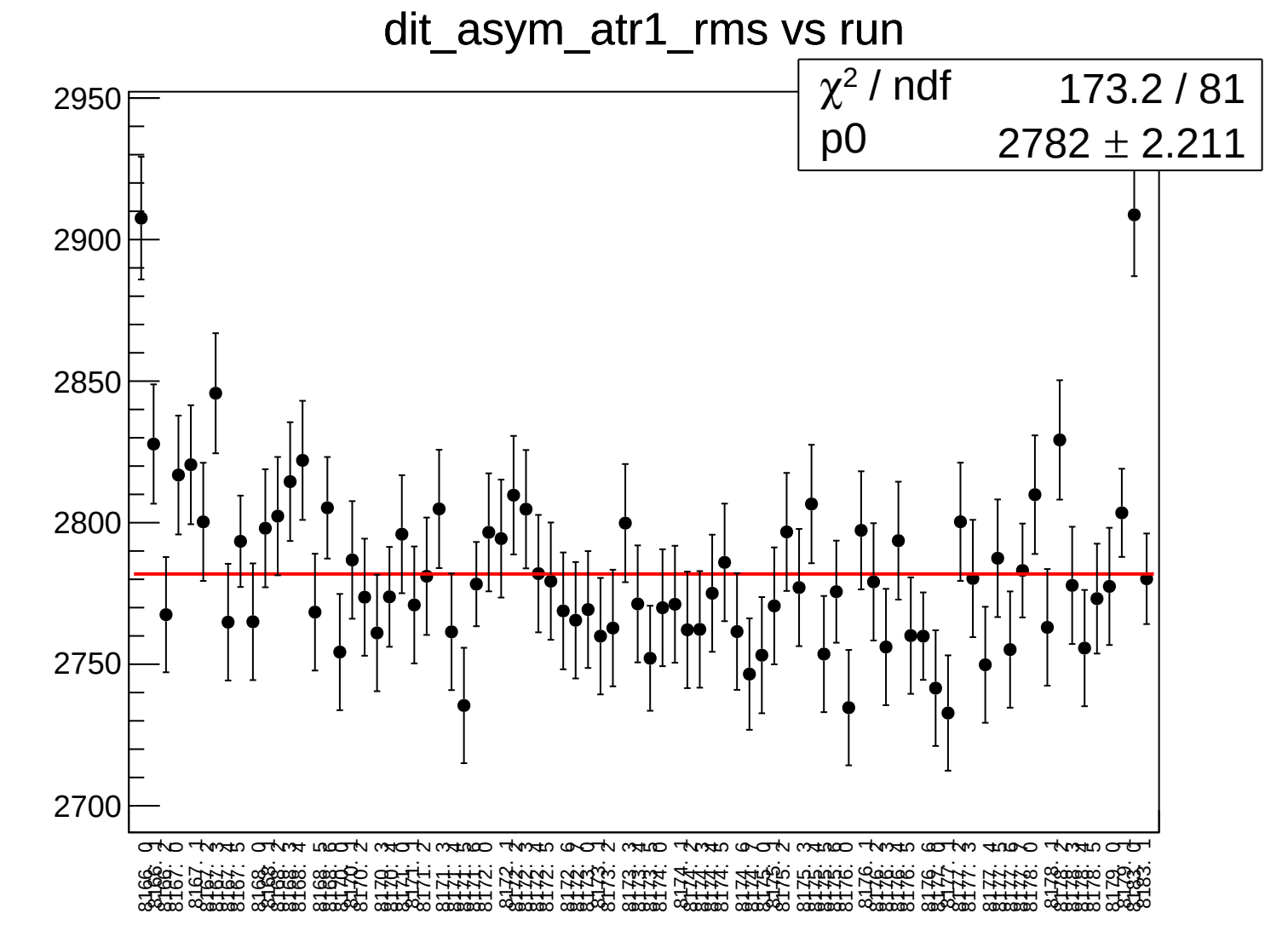

asym_atr1_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 98.34 / 81
p0 −1790 ± 2285
pull
Entries 82
Mean −85.31
Std Dev 0

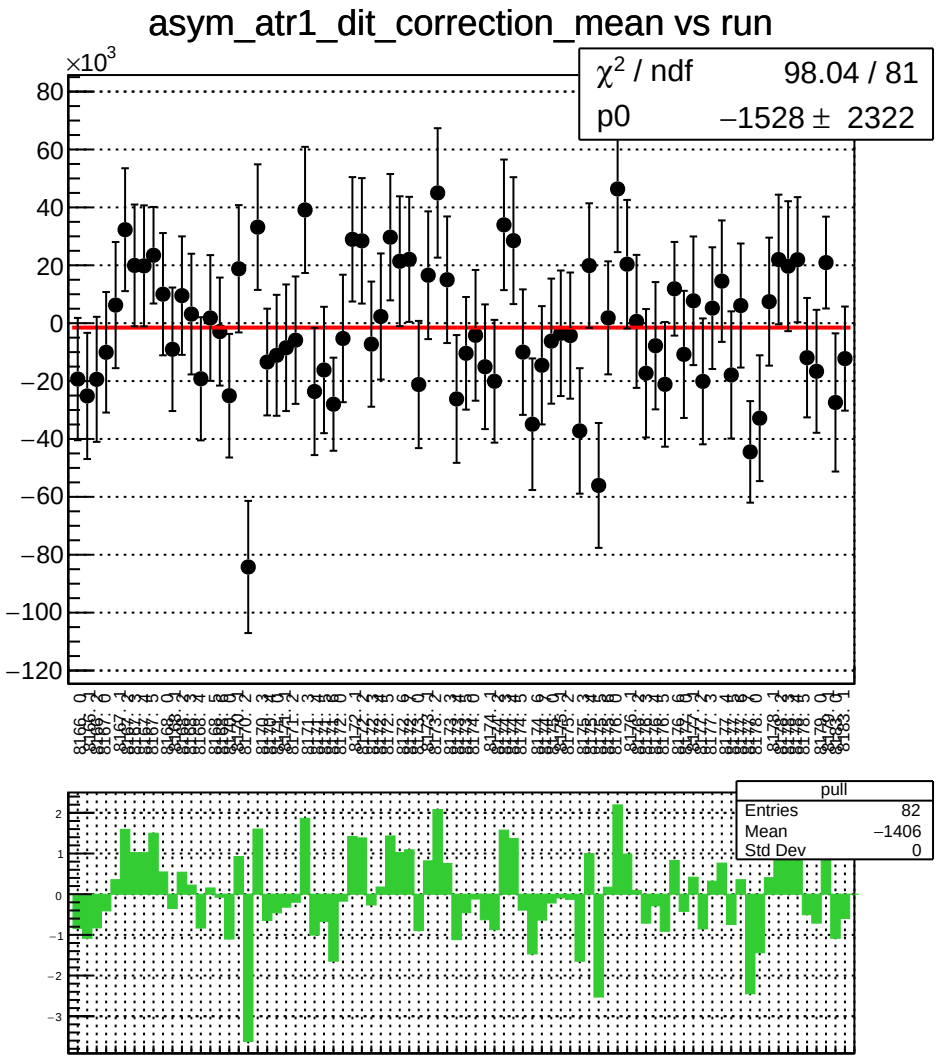

pull1D
Entries 82
Mean 0.01052
Std Dev 1.095

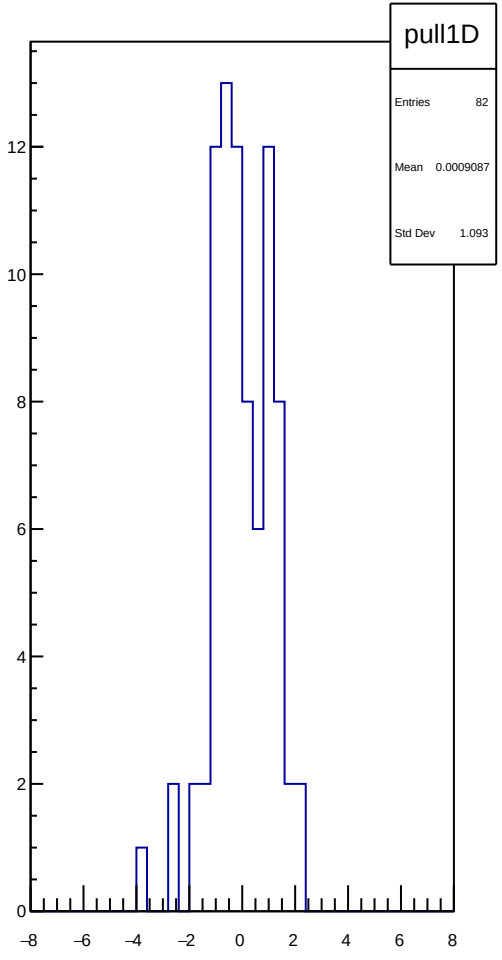

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 6405 / 81
p0 2029 ± 1.616
2400
2300
2200
2100
2000
1900
1800

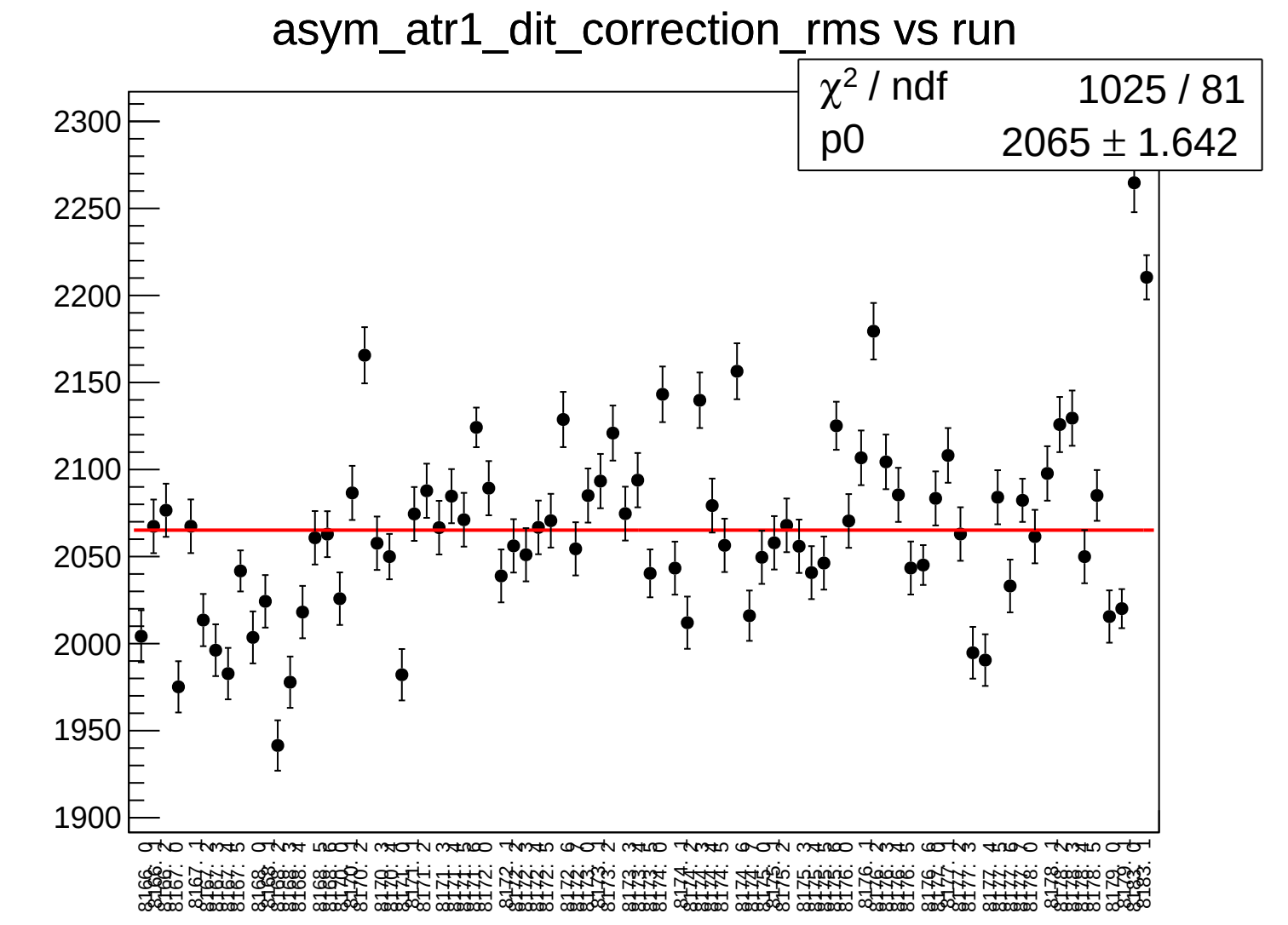

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 81.32 / 81
p0 3248 ± 3127
100
50
0
−50
−100
pull
Entries 82
Mean −36.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

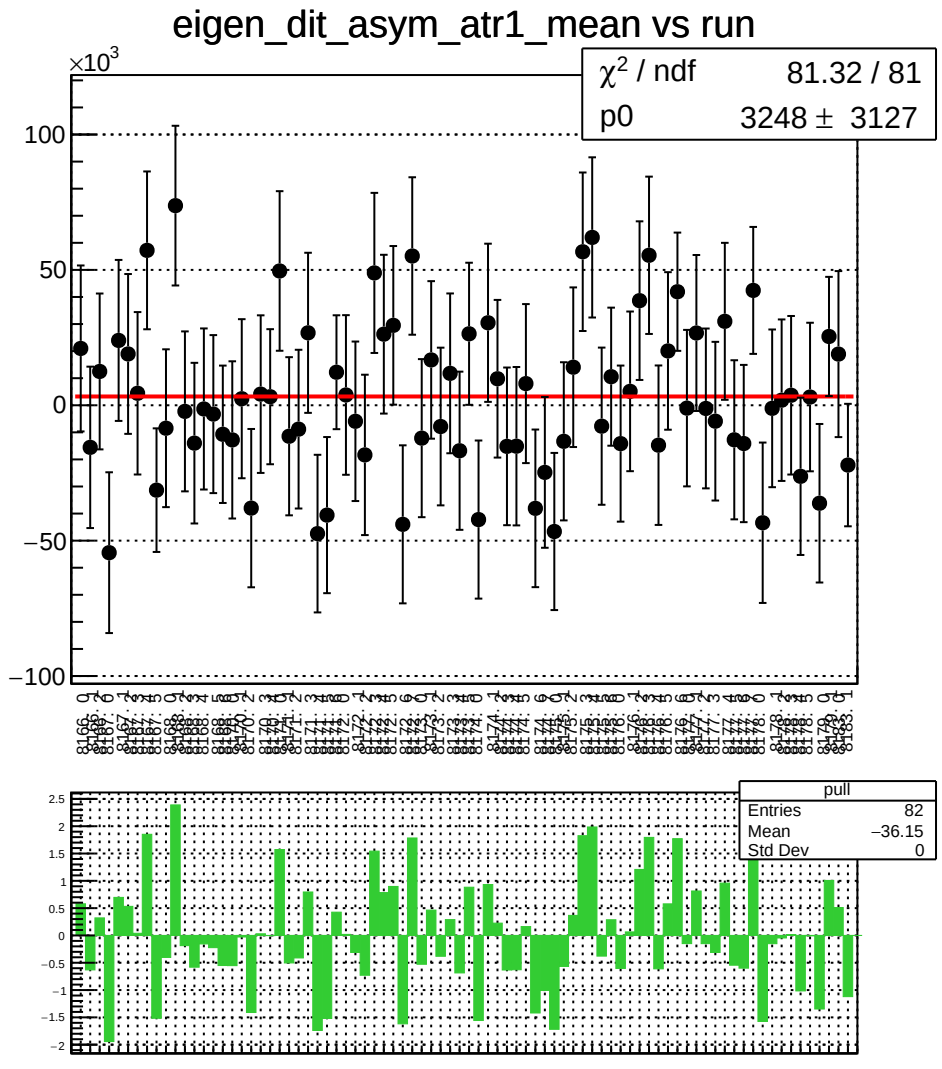

pull1D
Entries 82
Mean −0.008137
Std Dev 0.9958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

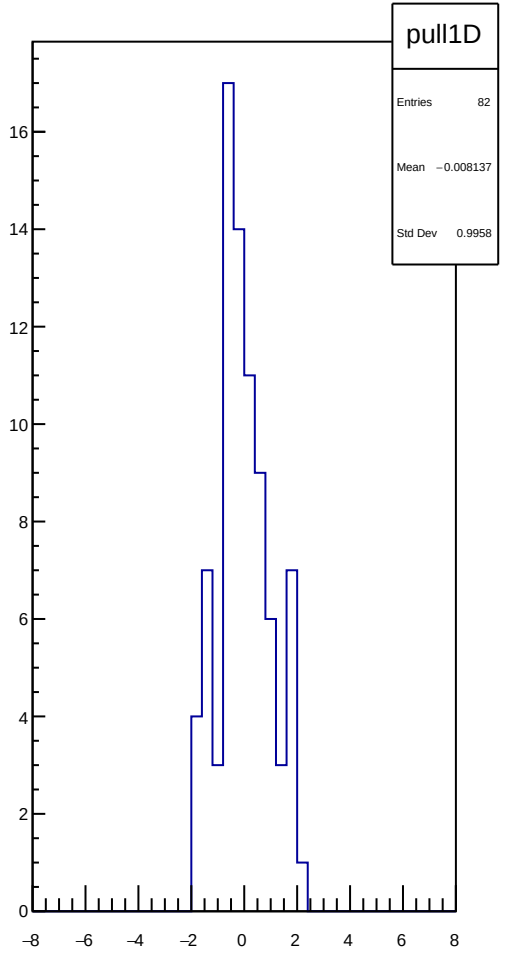

dit_asym_atr1_rms vs run
χ^2 / ndf 173.2 / 81
p0 2782 ± 2.211
2950
2900
2850
2800
2750
2700

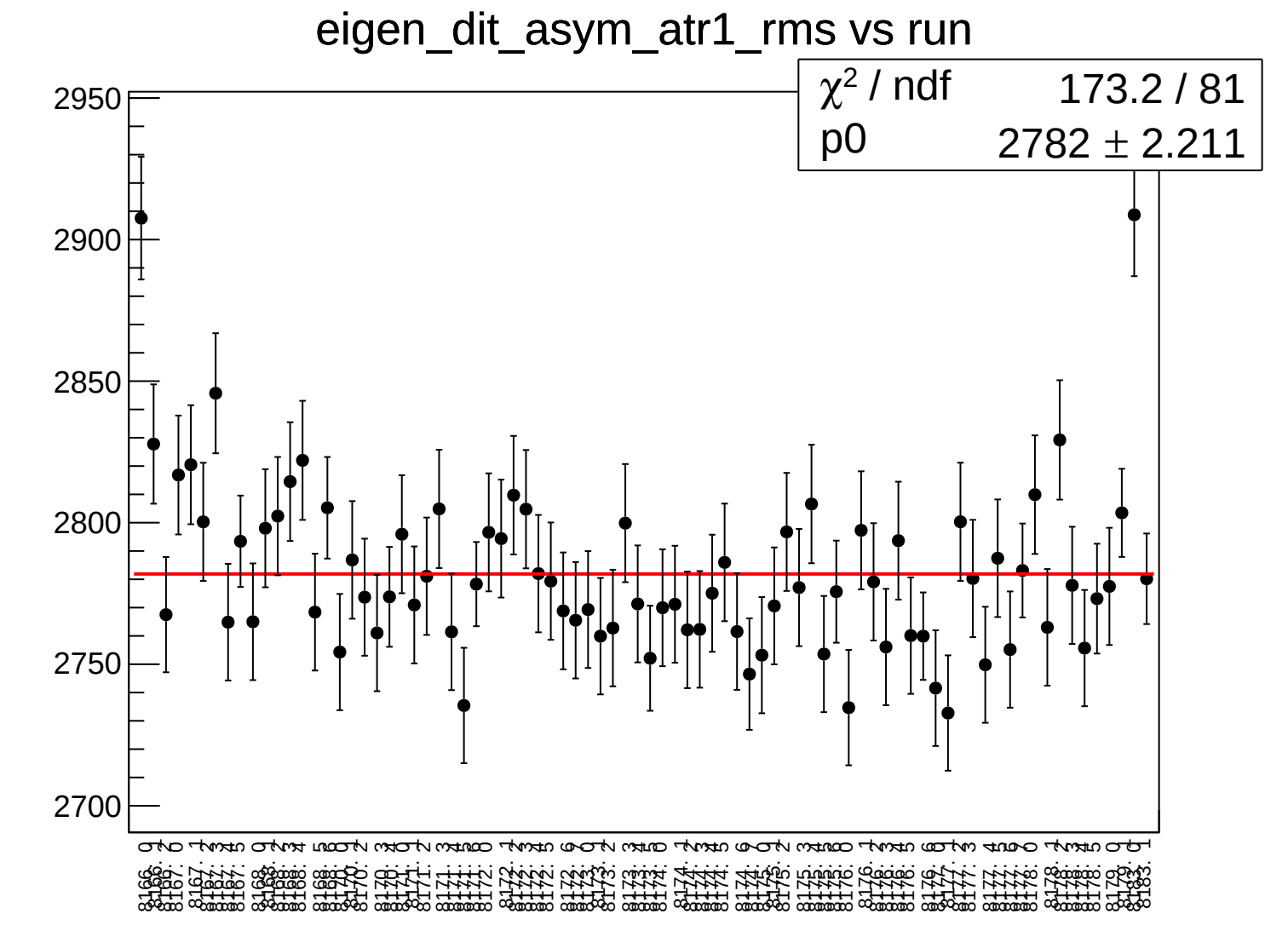

asym_atr1_dit_correction_mean vs run
×10^3
χ^2 / ndf 98.04 / 81
p0 −1528 ± 2322
pull
Entries 82
Mean −1406
Std Dev 0

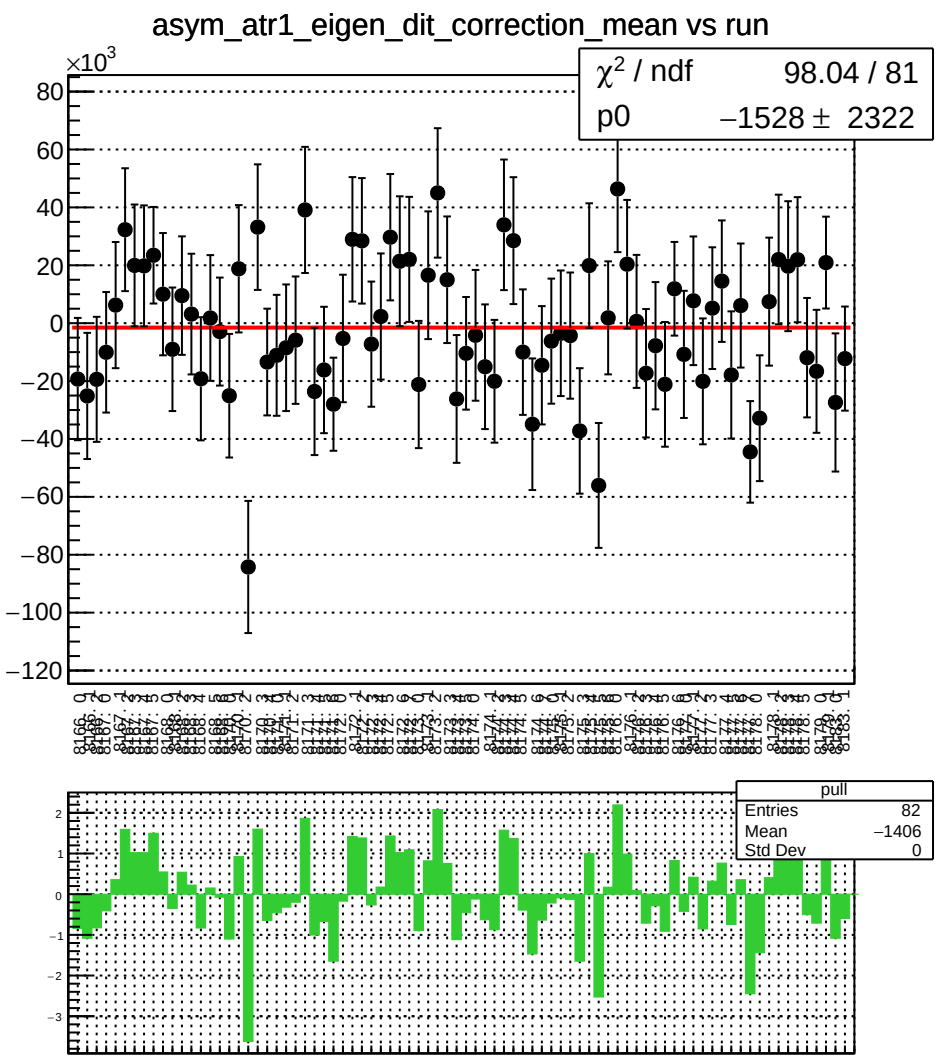

pull1D
Entries 82
Mean 0.0009087
Std Dev 1.093

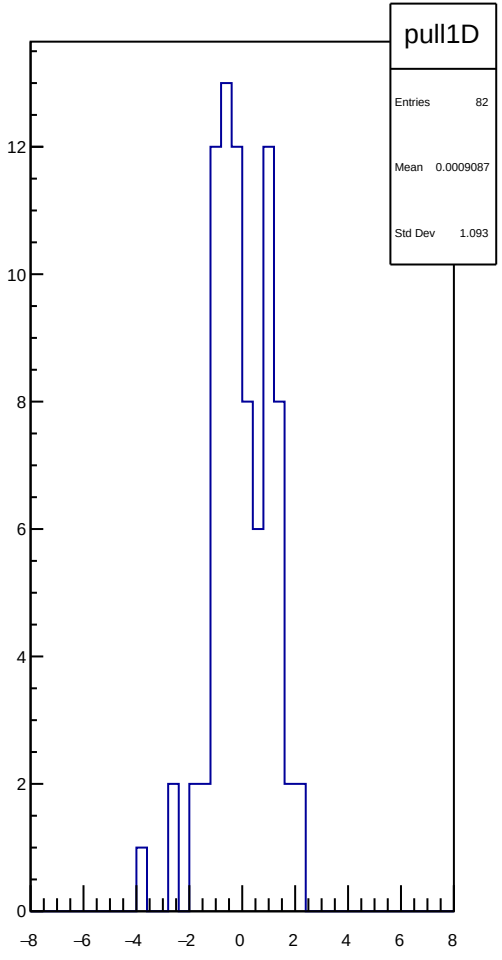

asym_atr1_dit_correction_rms vs run
χ² / ndf 1025 / 81
p0 2065 ± 1.642
2300
2250
2200
2150
2100
2050
2000
1950
1900

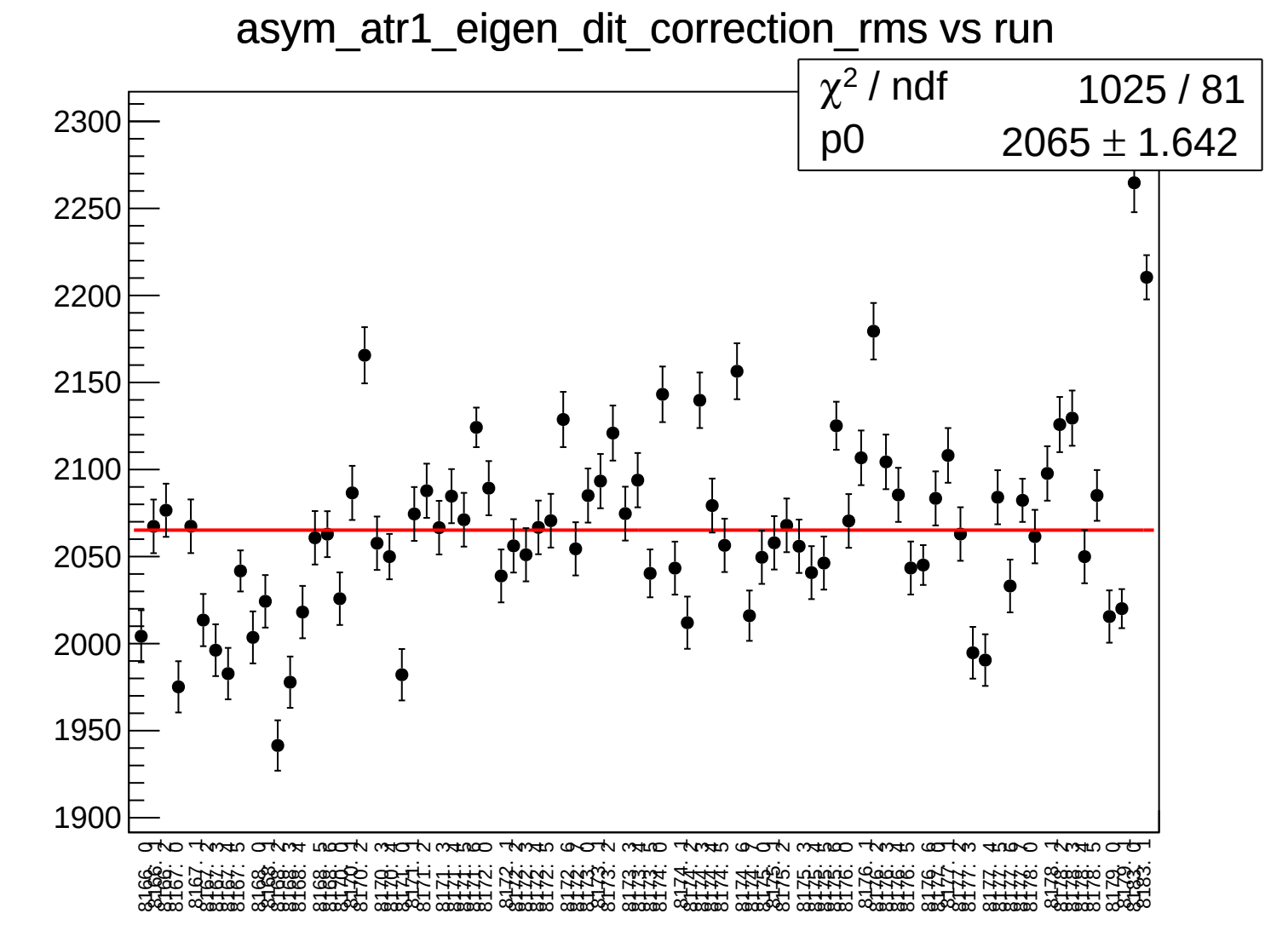

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 81.32 / 81
p0 3248 ± 3127
100
50
0
−50
−100
pull
Entries 82
Mean −36.15
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

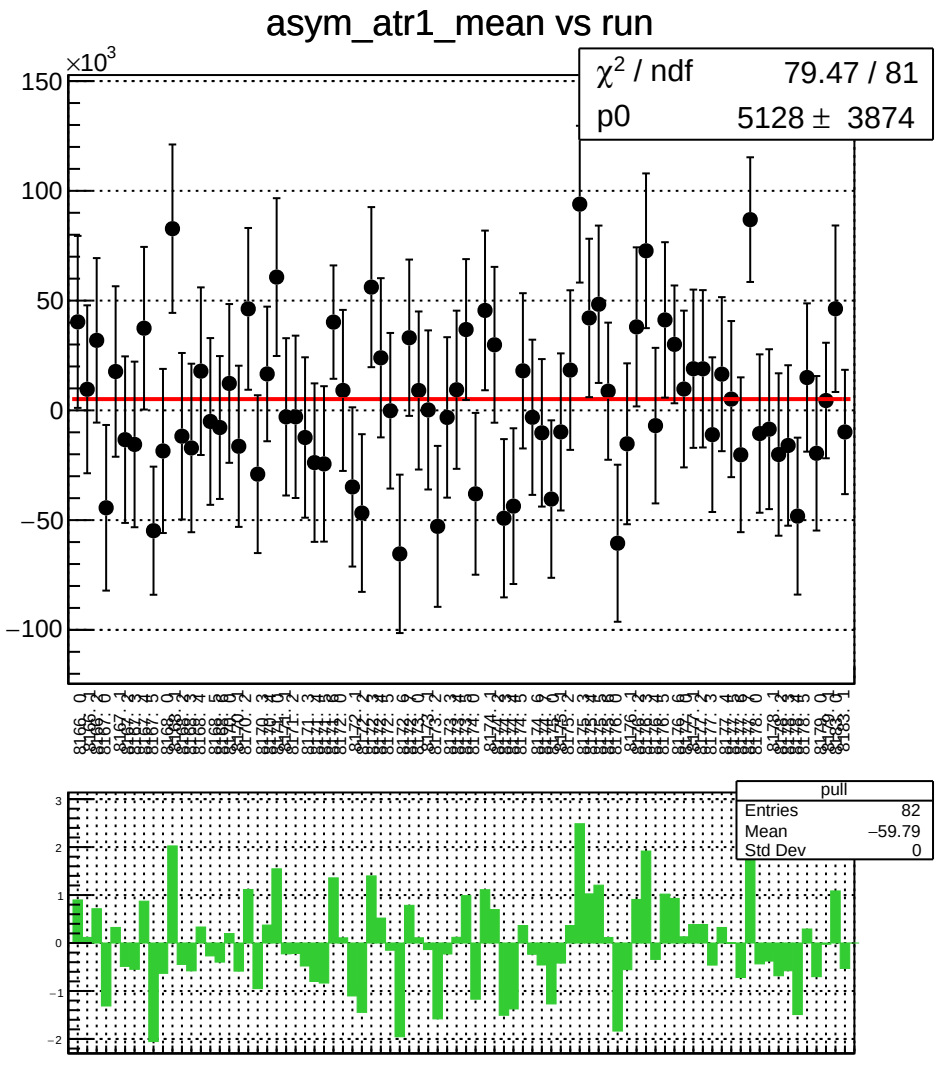

pull1D
Entries 82
Mean −0.008137
Std Dev 0.9958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

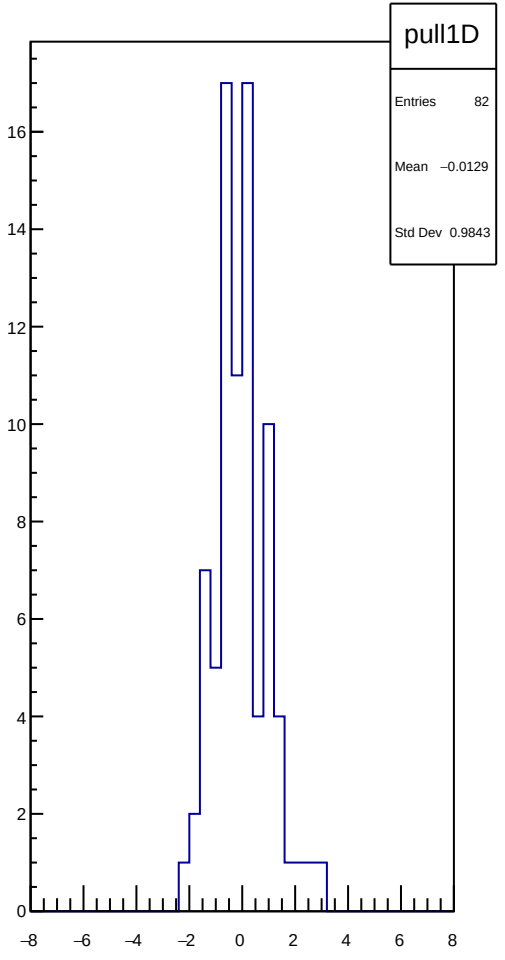

eigen_dit_asym_atr1_rms vs run
χ² / ndf 173.2 / 81
p0 2782 ± 2.211
2950
2900
2850
2800
2750
2700

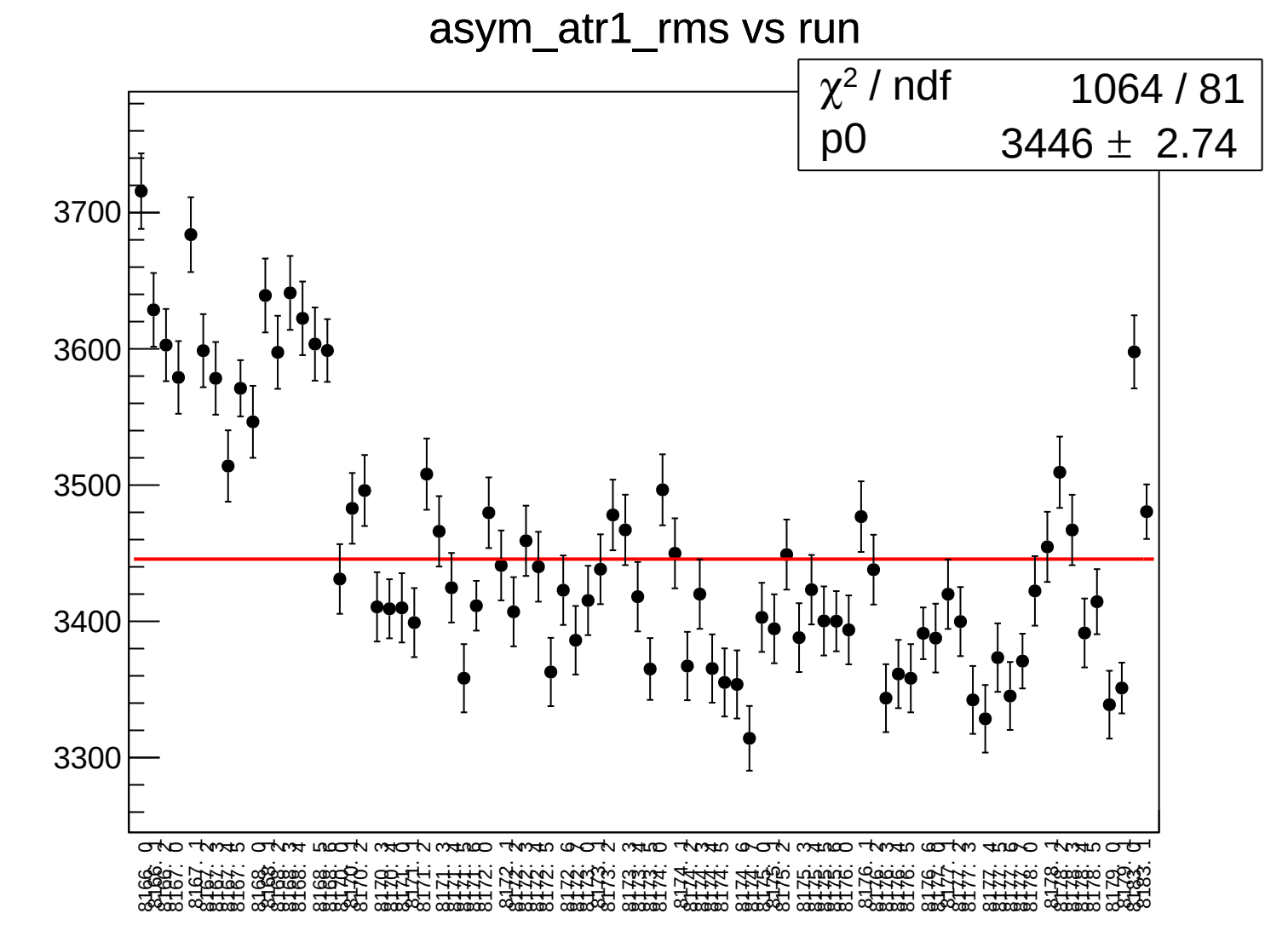

asym_atr1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 98.04 / 81
p0 −1528 ± 2322
pull
Entries 82
Mean −1406
Std Dev 0

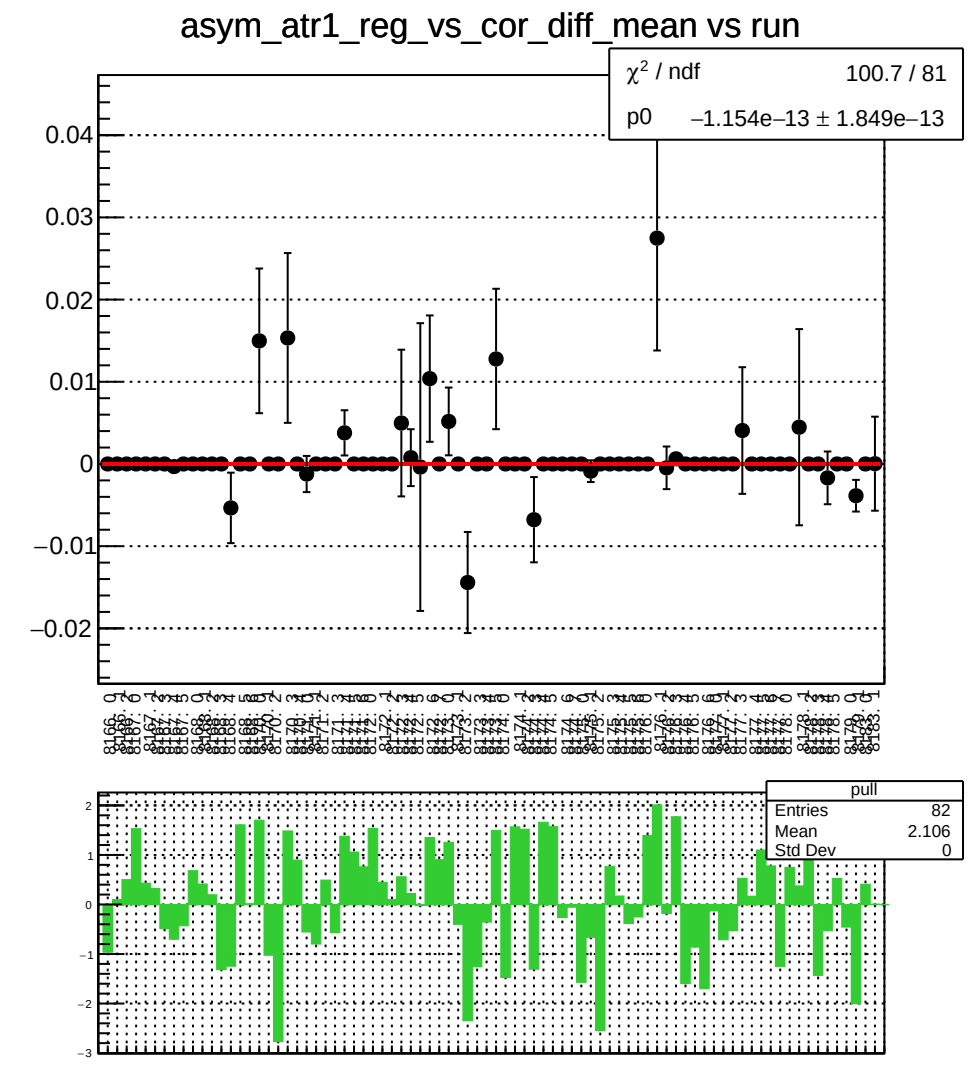

pull1D
Entries 82
Mean 0.0009087
Std Dev 1.093

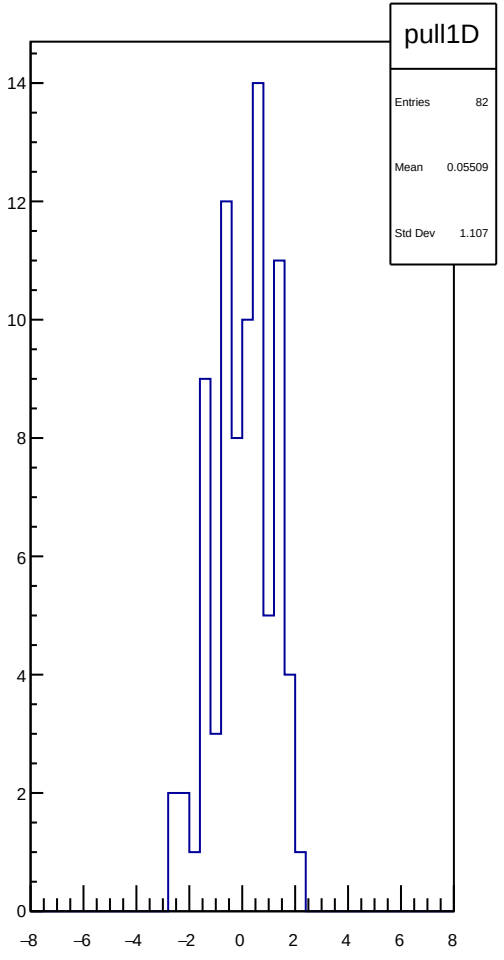

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1025 / 81
p0 2065 ± 1.642
2300
2250
2200
2150
2100
2050
2000
1950
1900

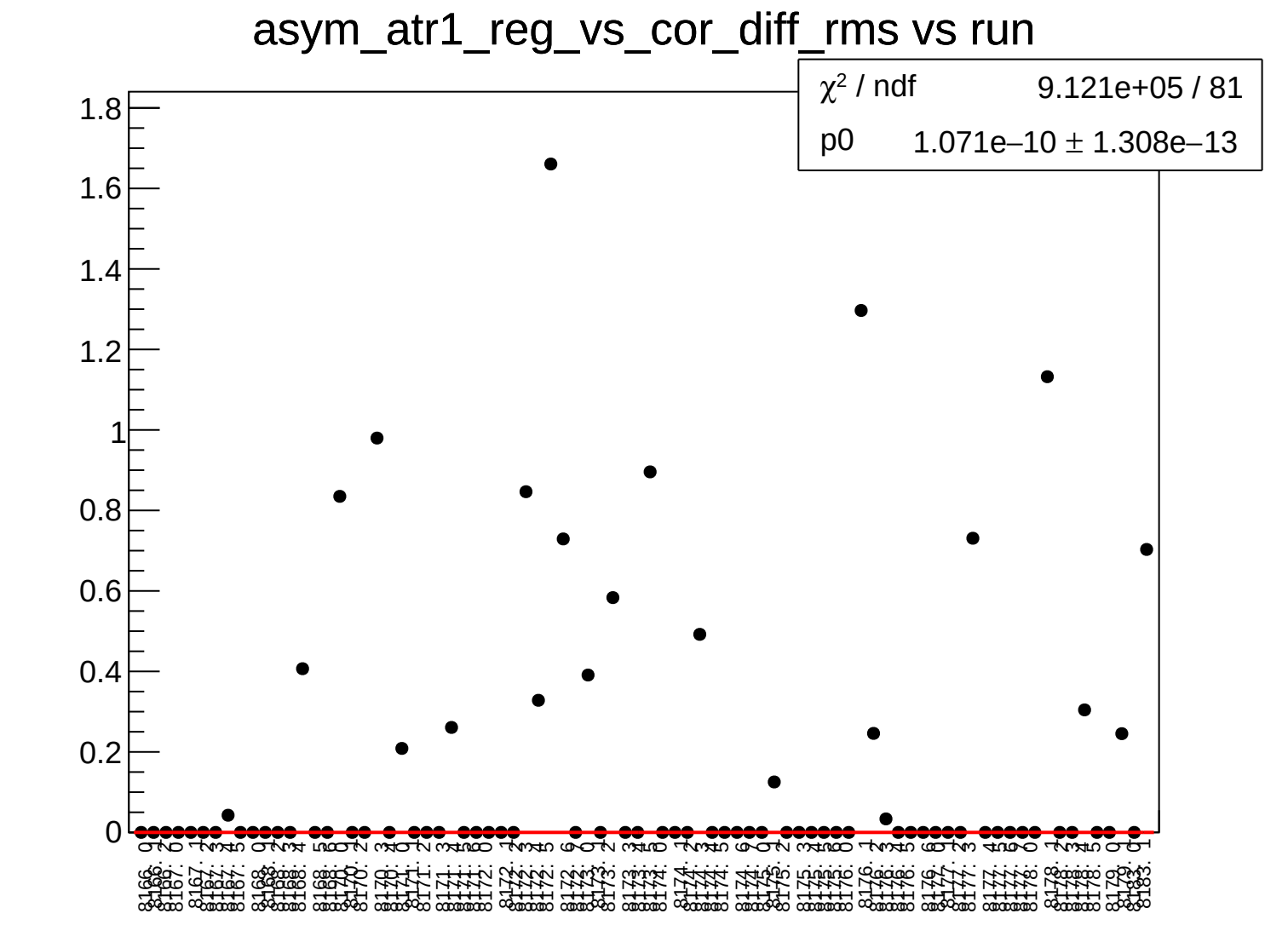

asym_atr1_mean vs run
×10^3
χ² / ndf 79.47 / 81
p0 5128 ± 3874
150
100
50
0
−50
−100
pull
Entries 82
Mean −59.79
Std Dev 0
3
2
1
0
−1
−2

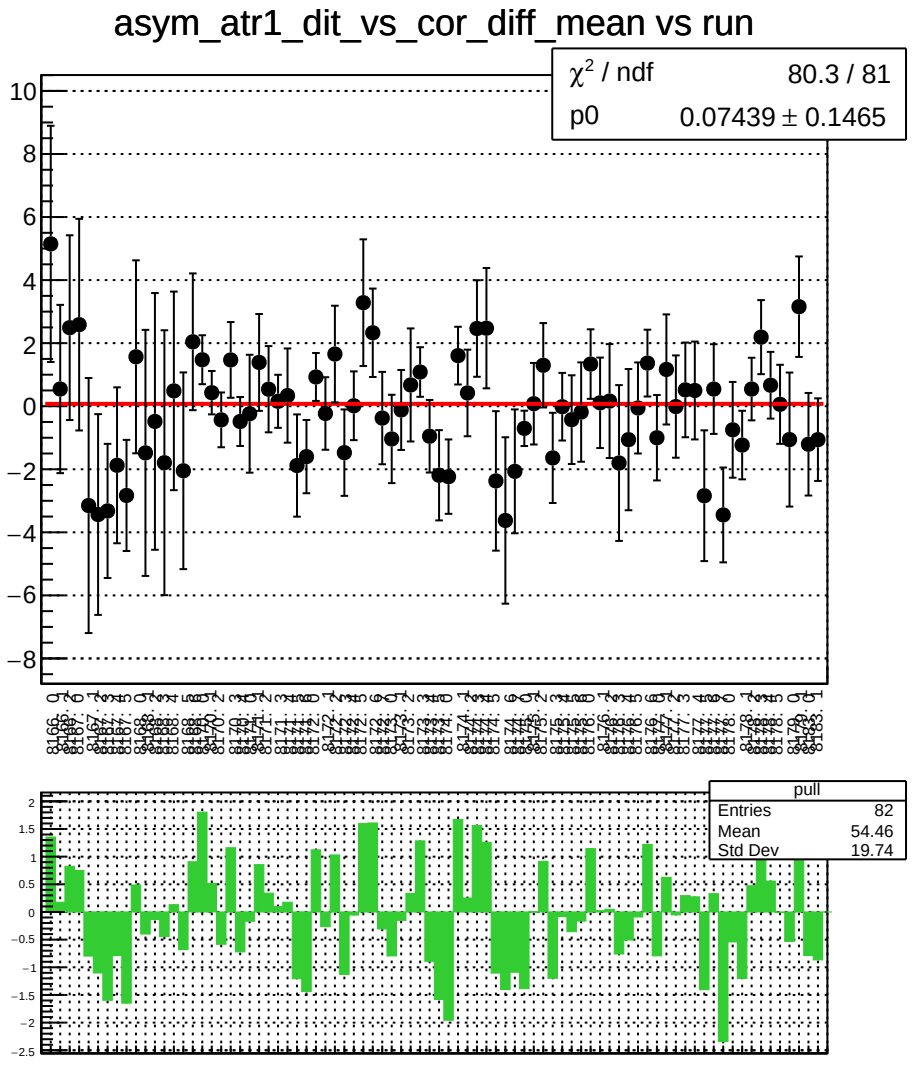

pull1D
Entries 82
Mean −0.0129
Std Dev 0.9843
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

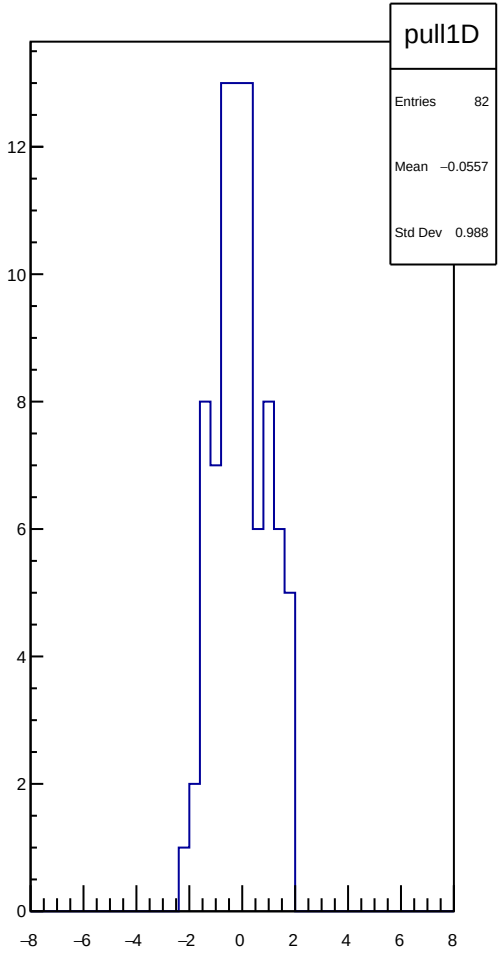

asym_atr1_rms vs run
χ² / ndf 1064 / 81
p0 3446 ± 2.74
3700
3600
3500
3400
3300

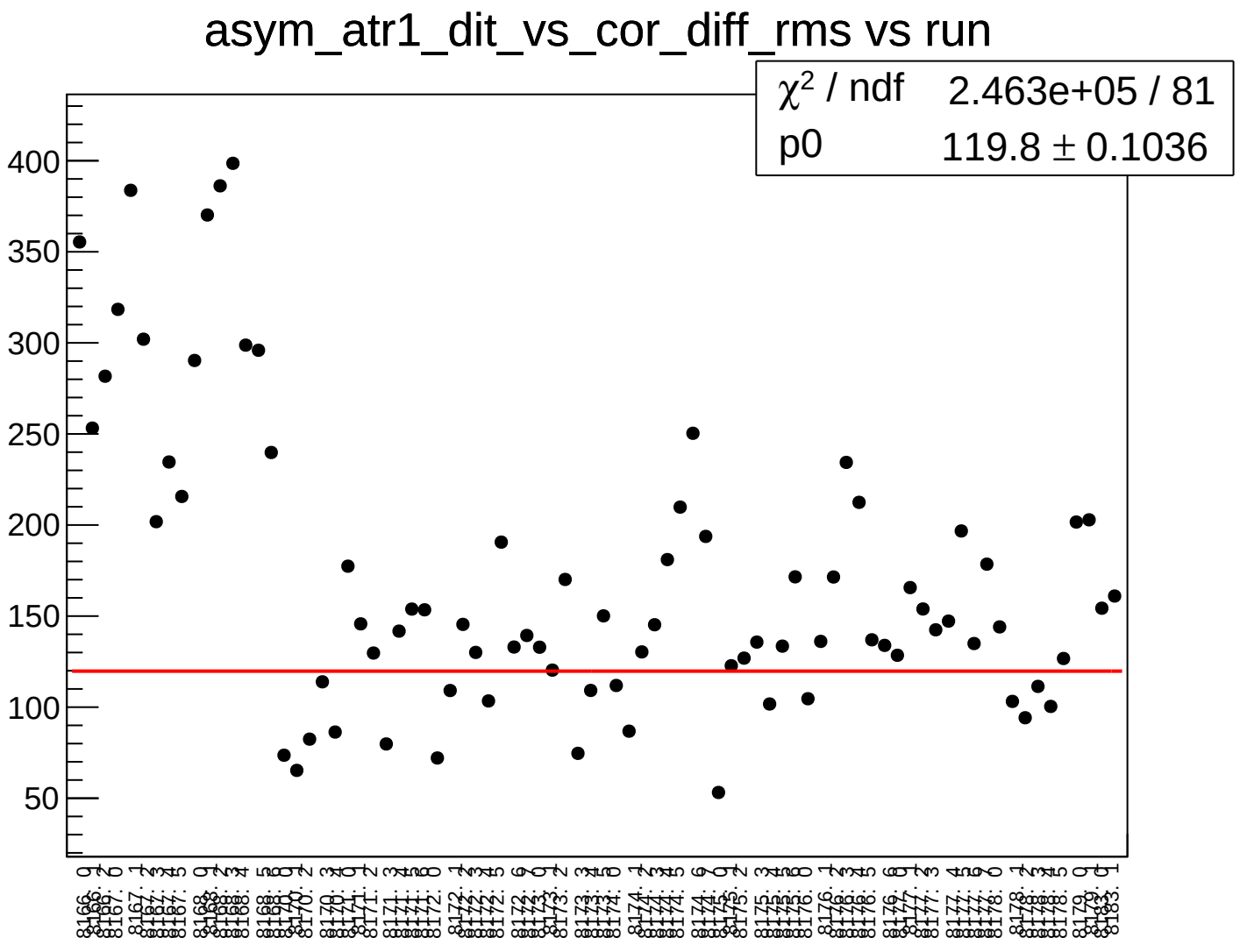

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 100.7 / 81
p0 −1.154e−13 ± 1.849e−13
pull
Entries 82
Mean 2.106
Std Dev 0

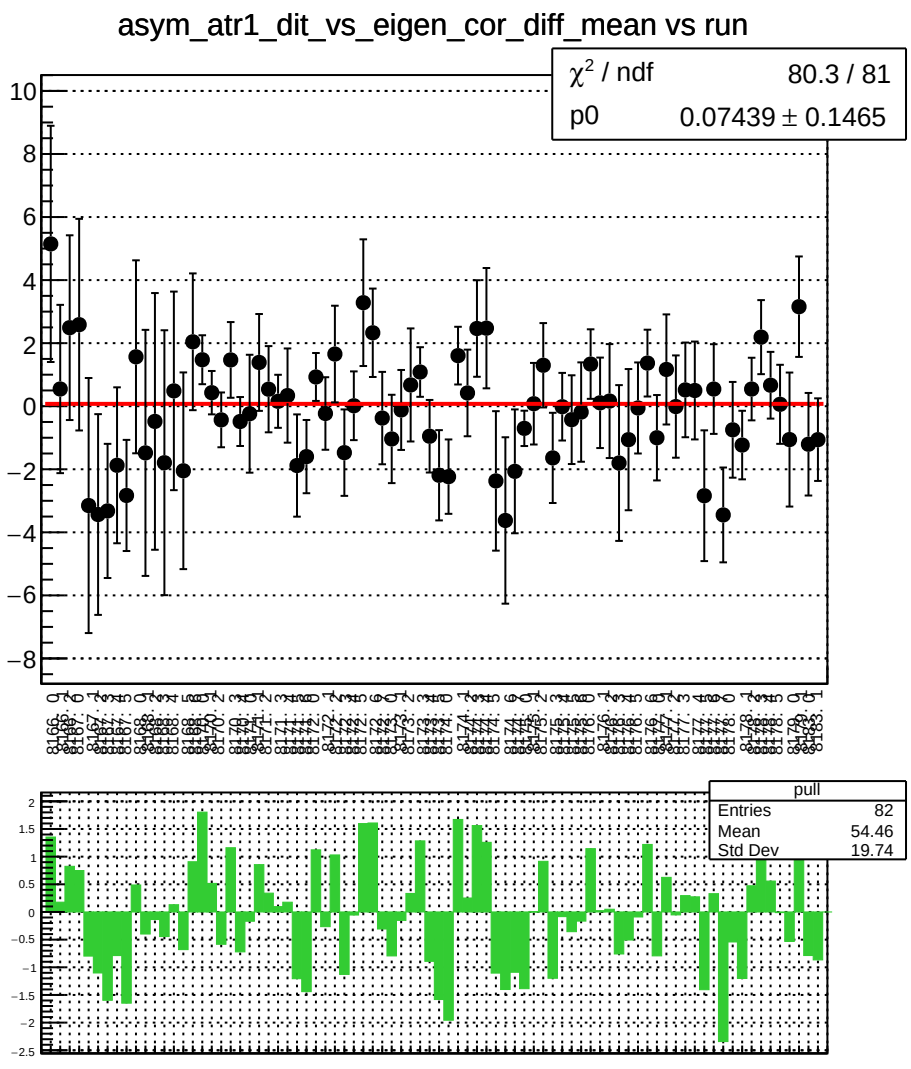

pull1D
Entries 82
Mean 0.05509
Std Dev 1.107

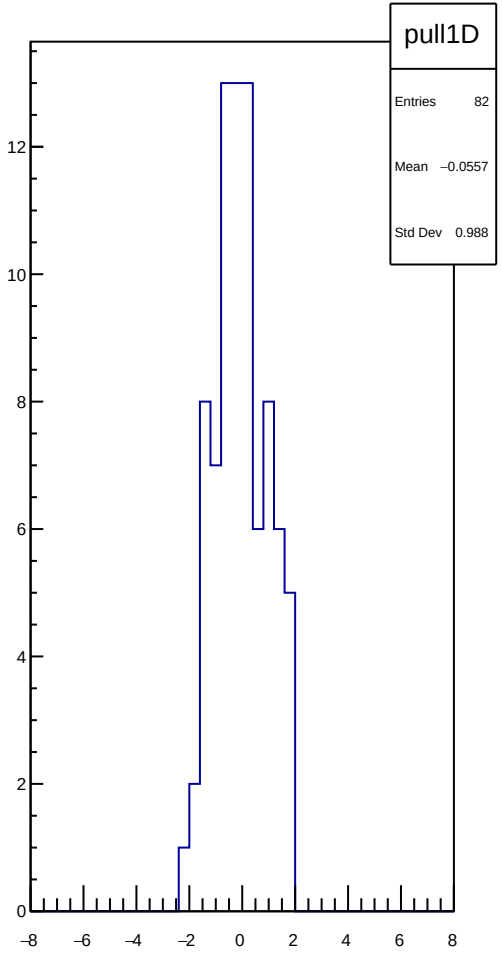

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.121e+05 / 81
p0 1.071e−10 ± 1.308e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

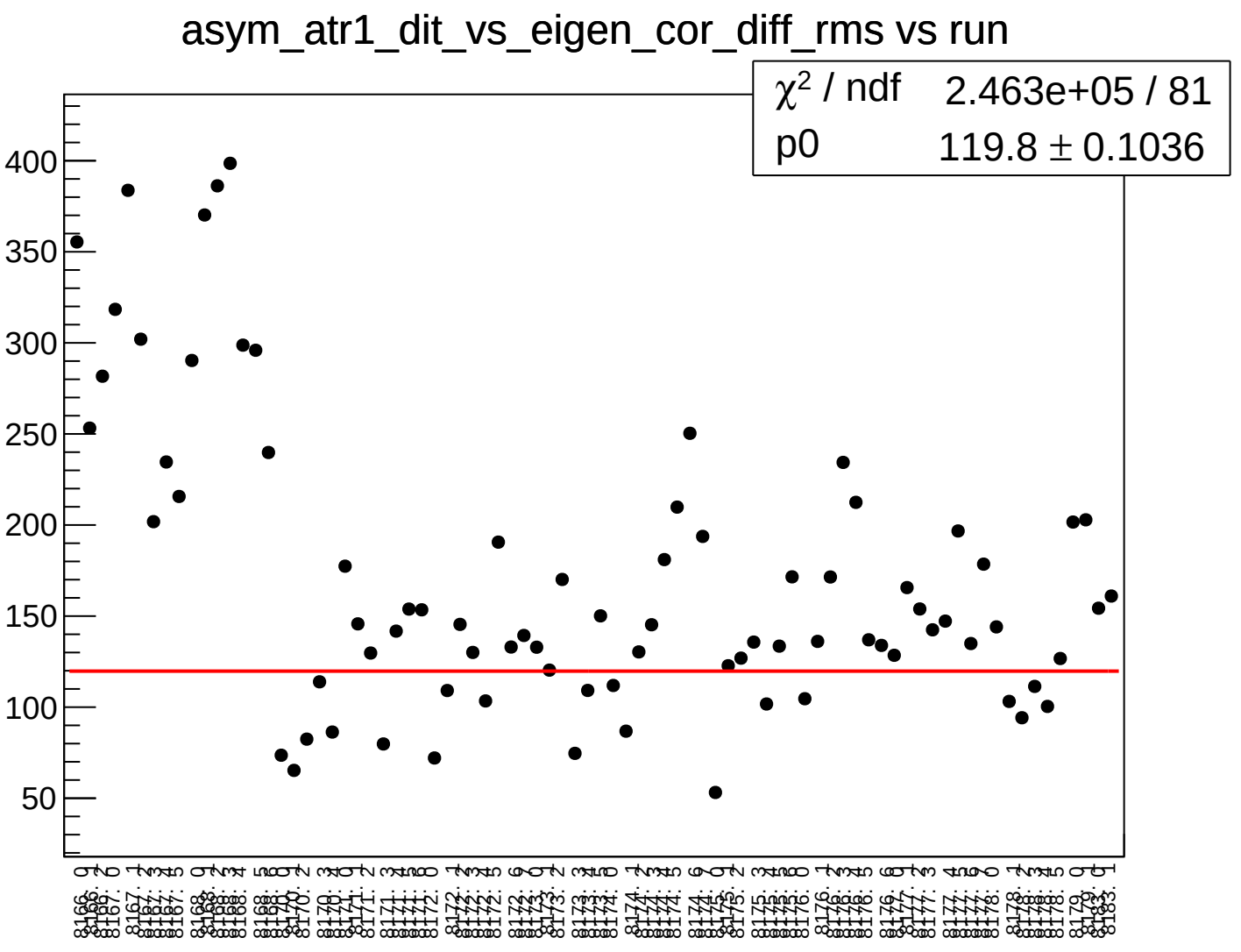

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 80.3 / 81
p0 0.07439 ± 0.1465
pull
Entries 82
Mean 54.46
Std Dev 19.74

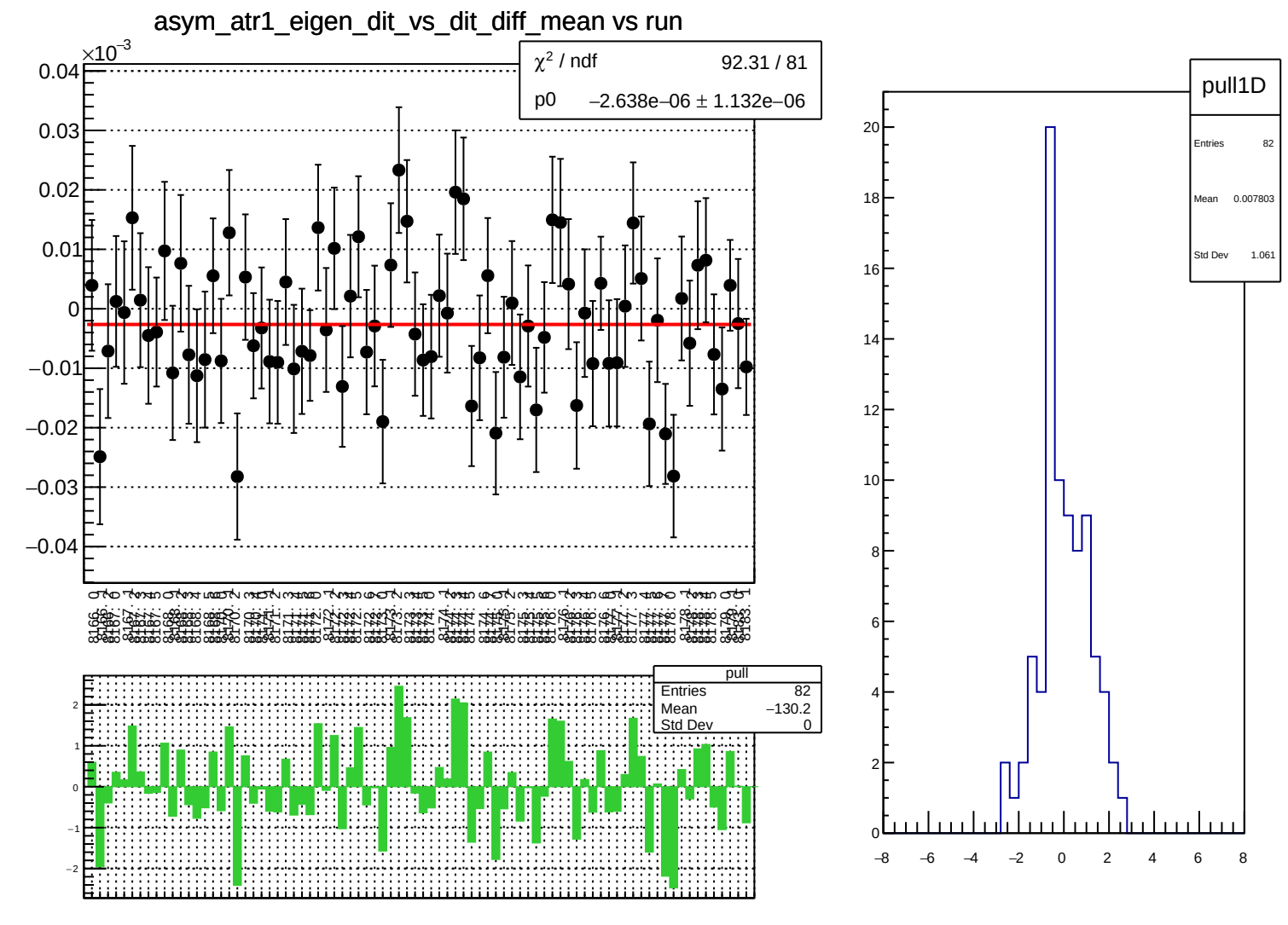

pull1D
Entries 82
Mean −0.0557
Std Dev 0.988


asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.463e+05 / 81
p0 119.8 ± 0.1036
400
350
300
250
200
150
100
50

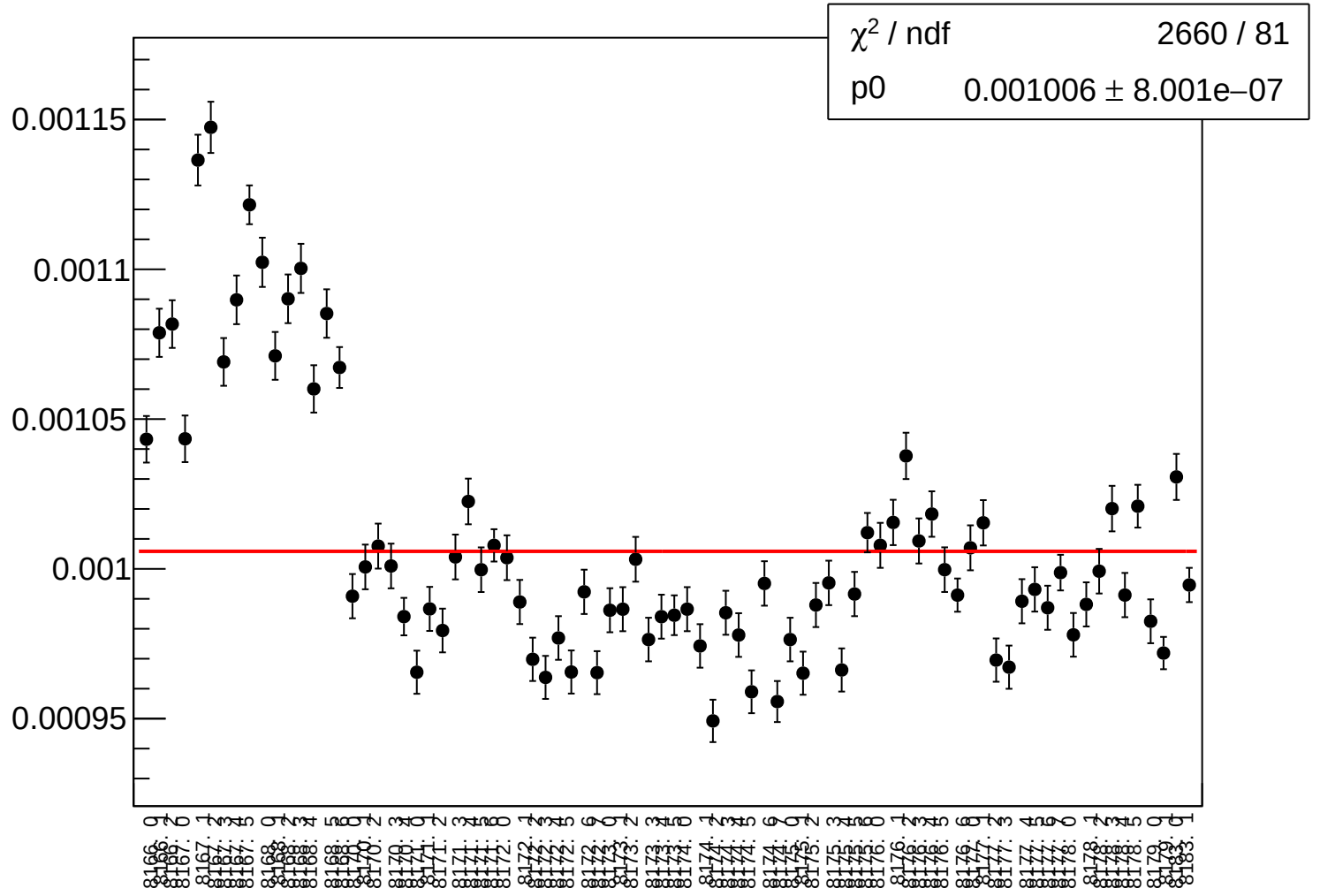

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.3 / 81
p0 0.07439 ± 0.1465
pull
Entries 82
Mean 54.46
Std Dev 19.74

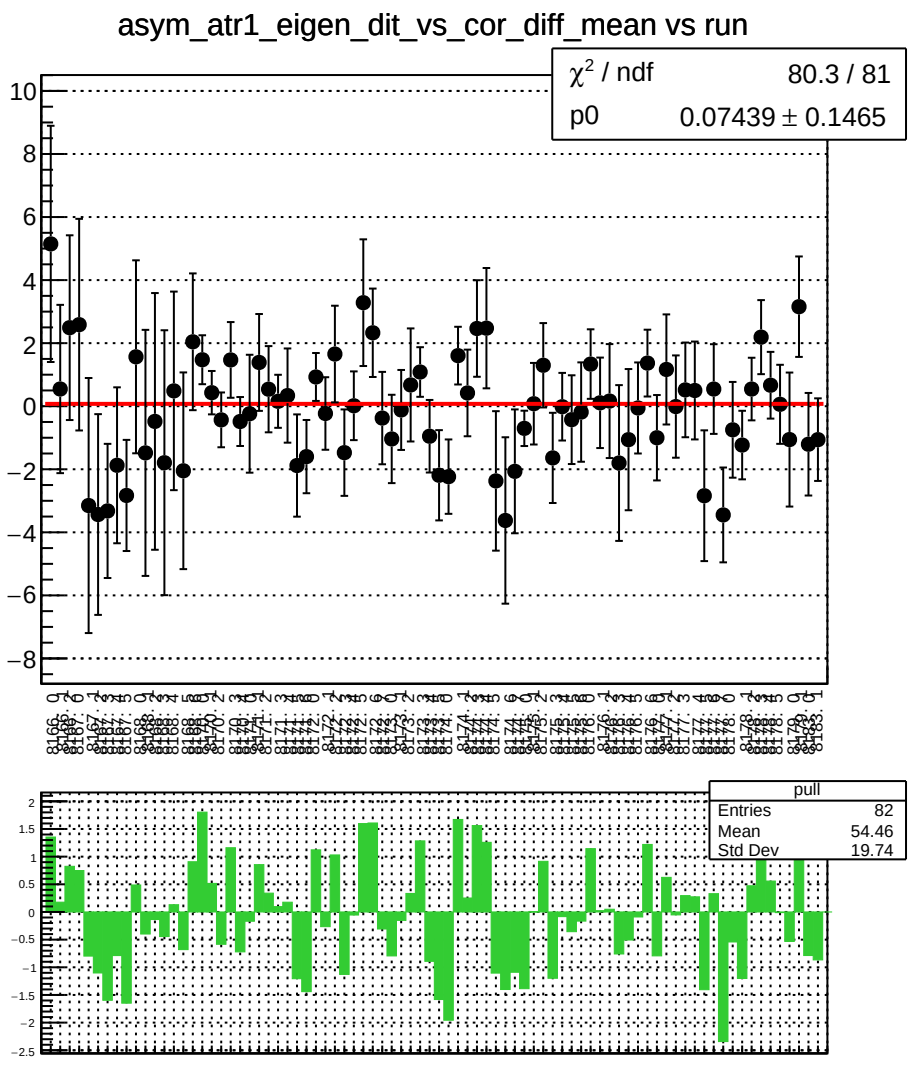

pull1D
Entries 82
Mean −0.0557
Std Dev 0.988

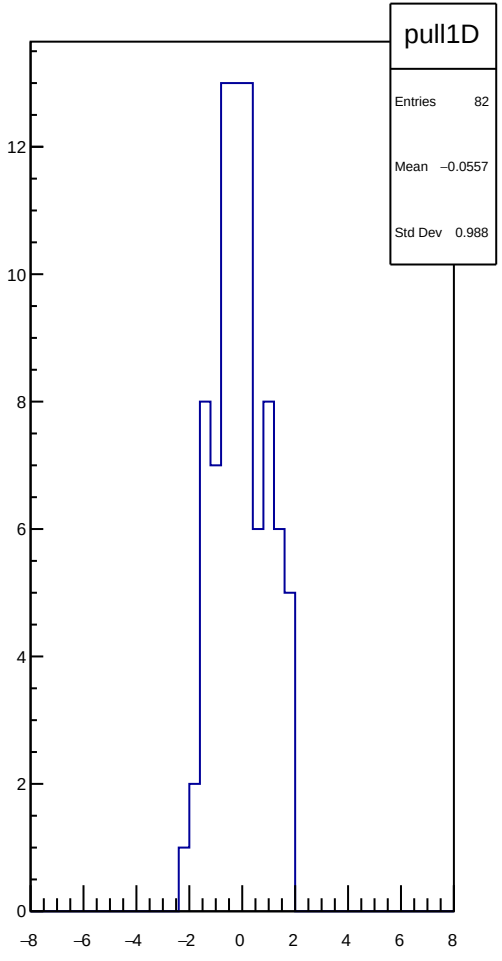

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.463e+05 / 81
p0 119.8 ± 0.1036
400
350
300
250
200
150
100
50

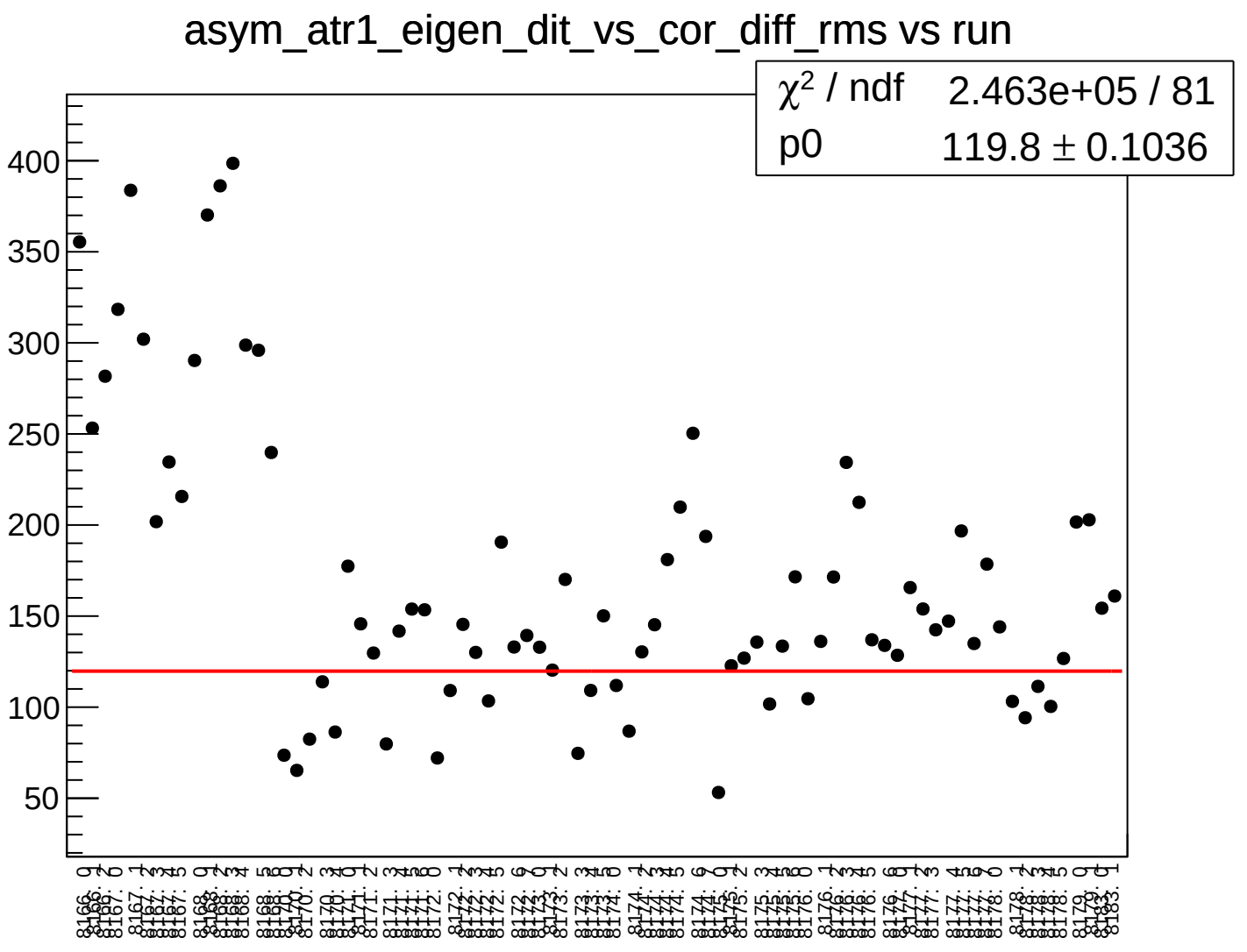

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 92.31 / 81
p0 −2.638e−06 ± 1.132e−06
pull
Entries 82
Mean −130.2
Std Dev 0
pull1D
Entries 82
Mean 0.007803
Std Dev 1.061

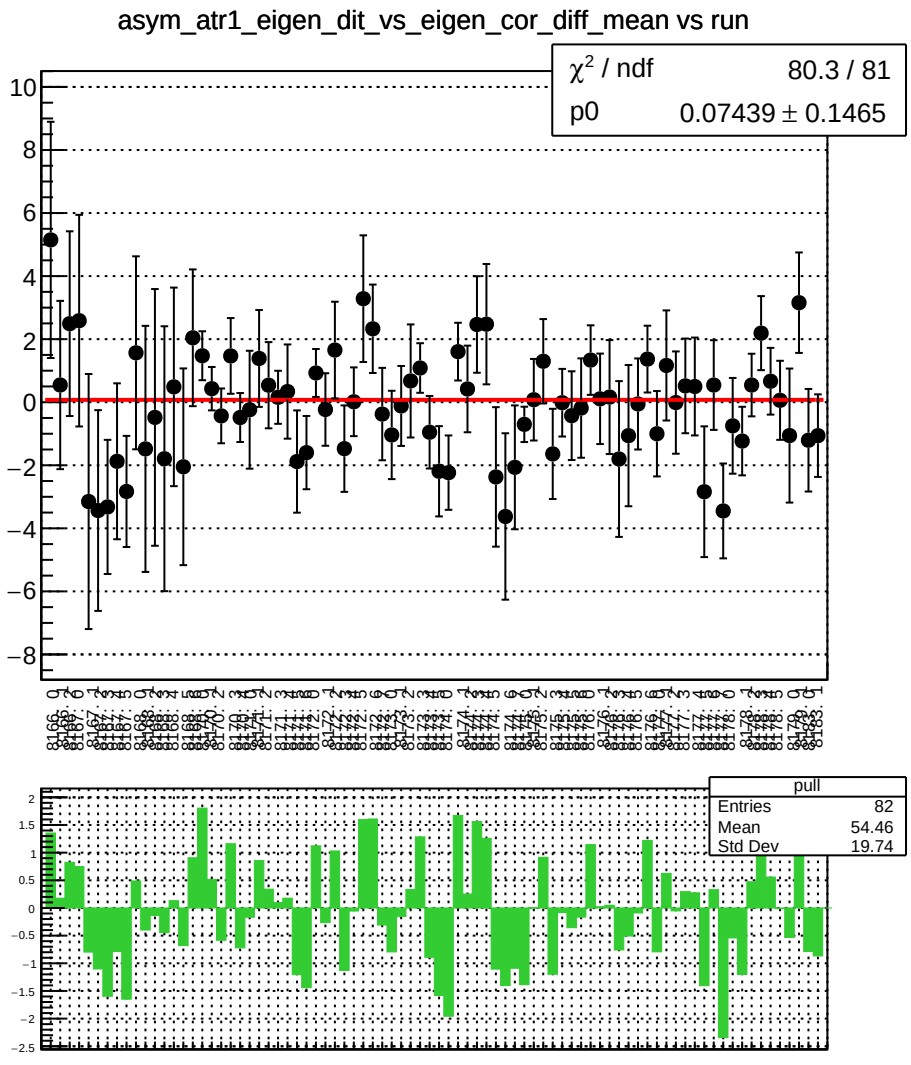
asym_atr1_eigen_dit_vs_dit_diff_rms vs run

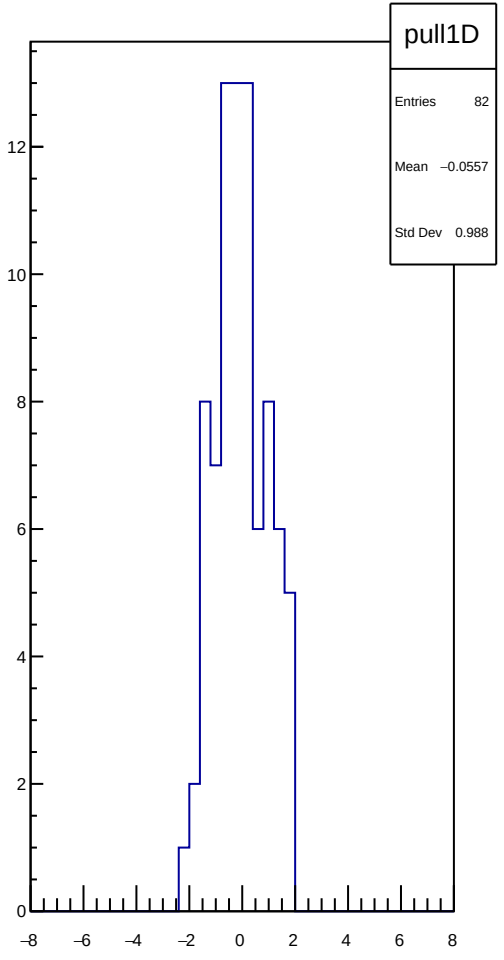


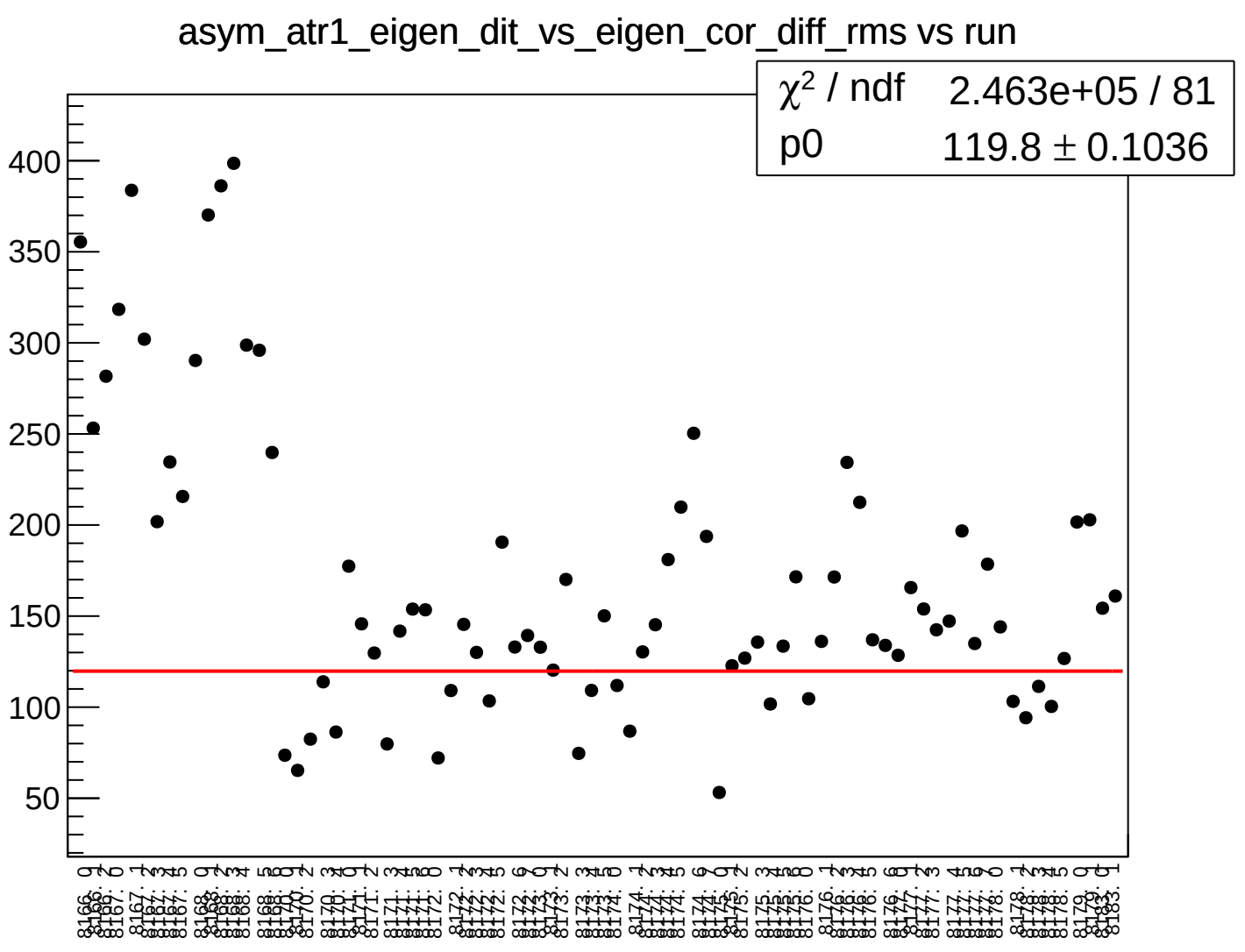

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.3 / 81
p0 0.07439 ± 0.1465
pull
Entries 82
Mean 54.46
Std Dev 19.74

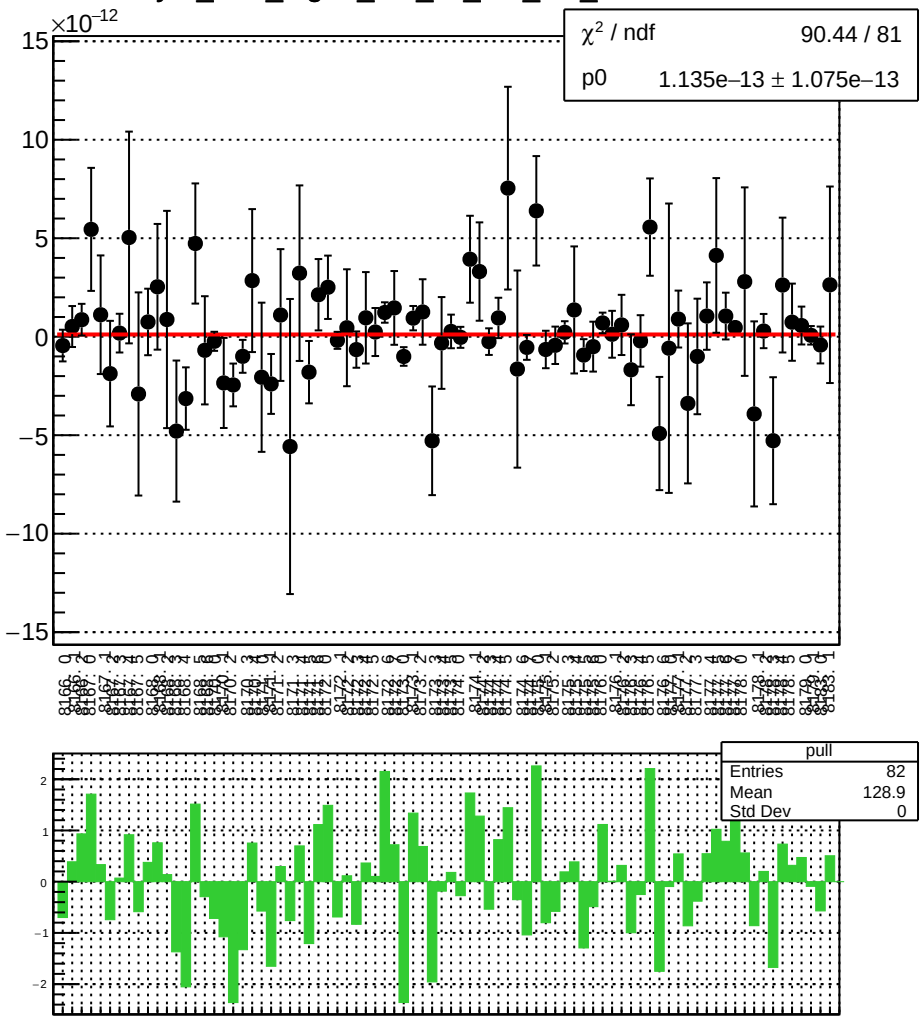

pull1D
Entries 82
Mean −0.0557
Std Dev 0.988

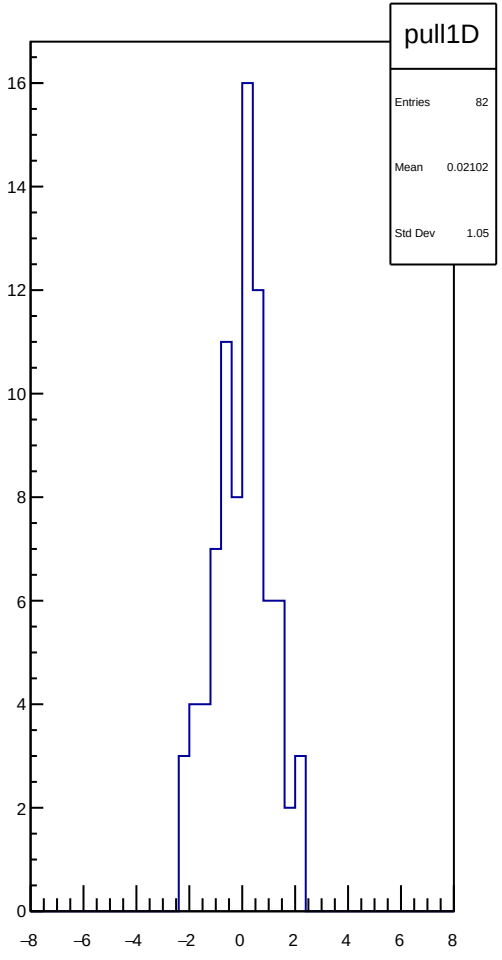

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.463e+05 / 81
p0 119.8 ± 0.1036
400
350
300
250
200
150
100
50

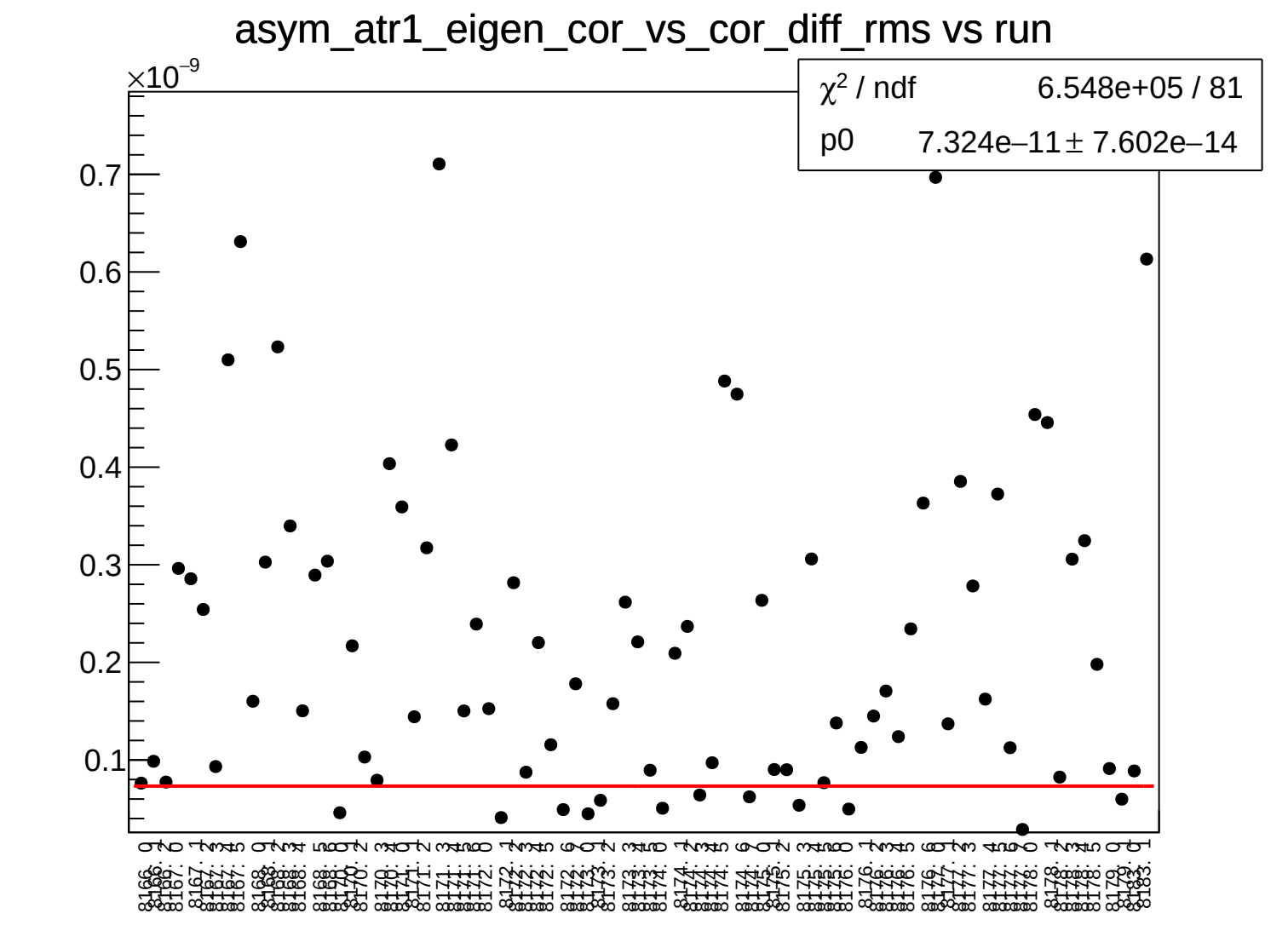

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.3 / 81
p0 0.07439 ± 0.1465
pull
Entries 82
Mean 54.46
Std Dev 19.74

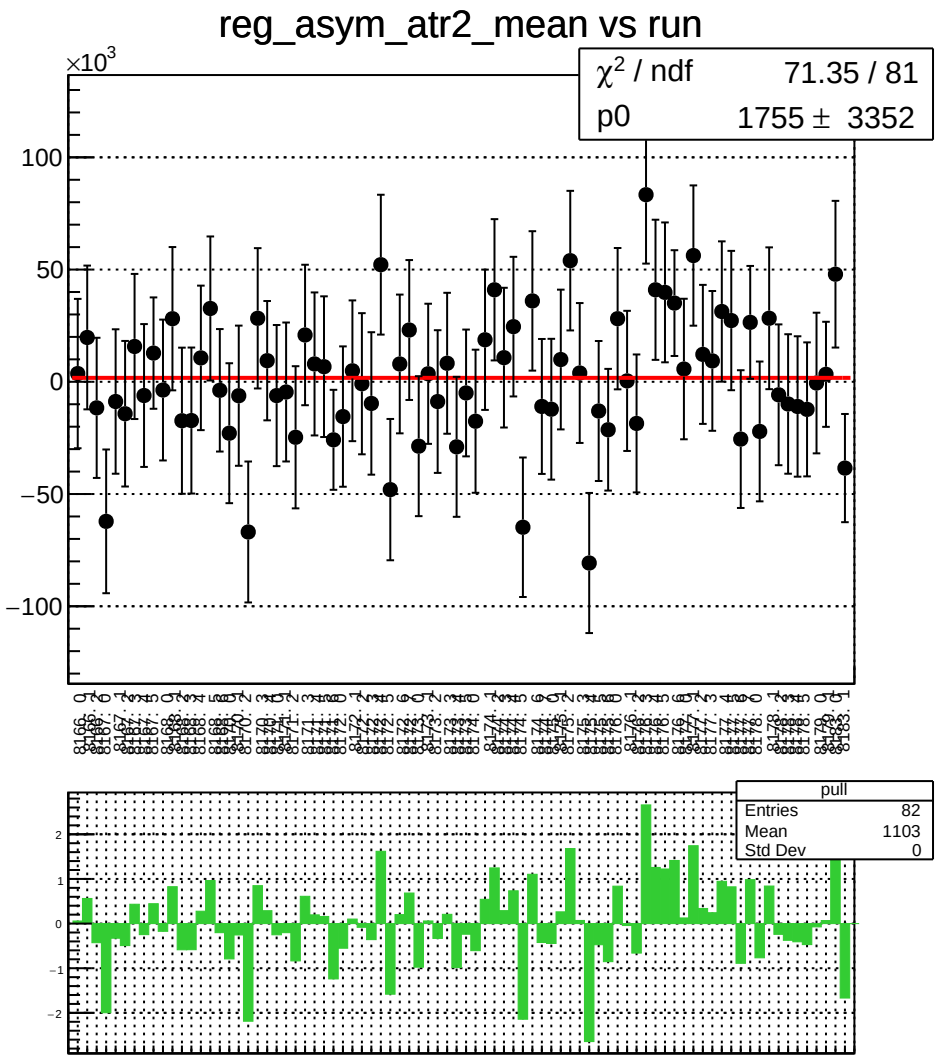

pull1D
Entries 82
Mean −0.0557
Std Dev 0.988

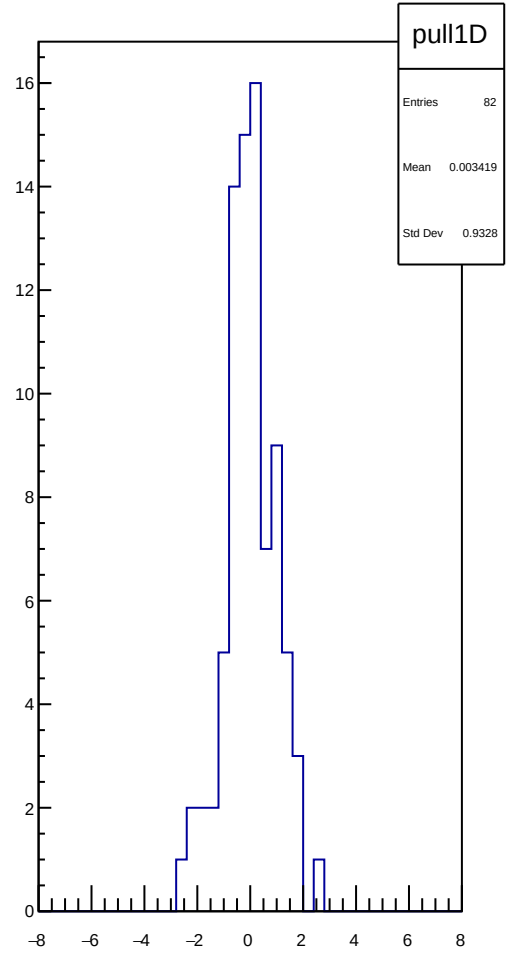

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.463e+05 / 81
p0 119.8 ± 0.1036
400
350
300
250
200
150
100
50

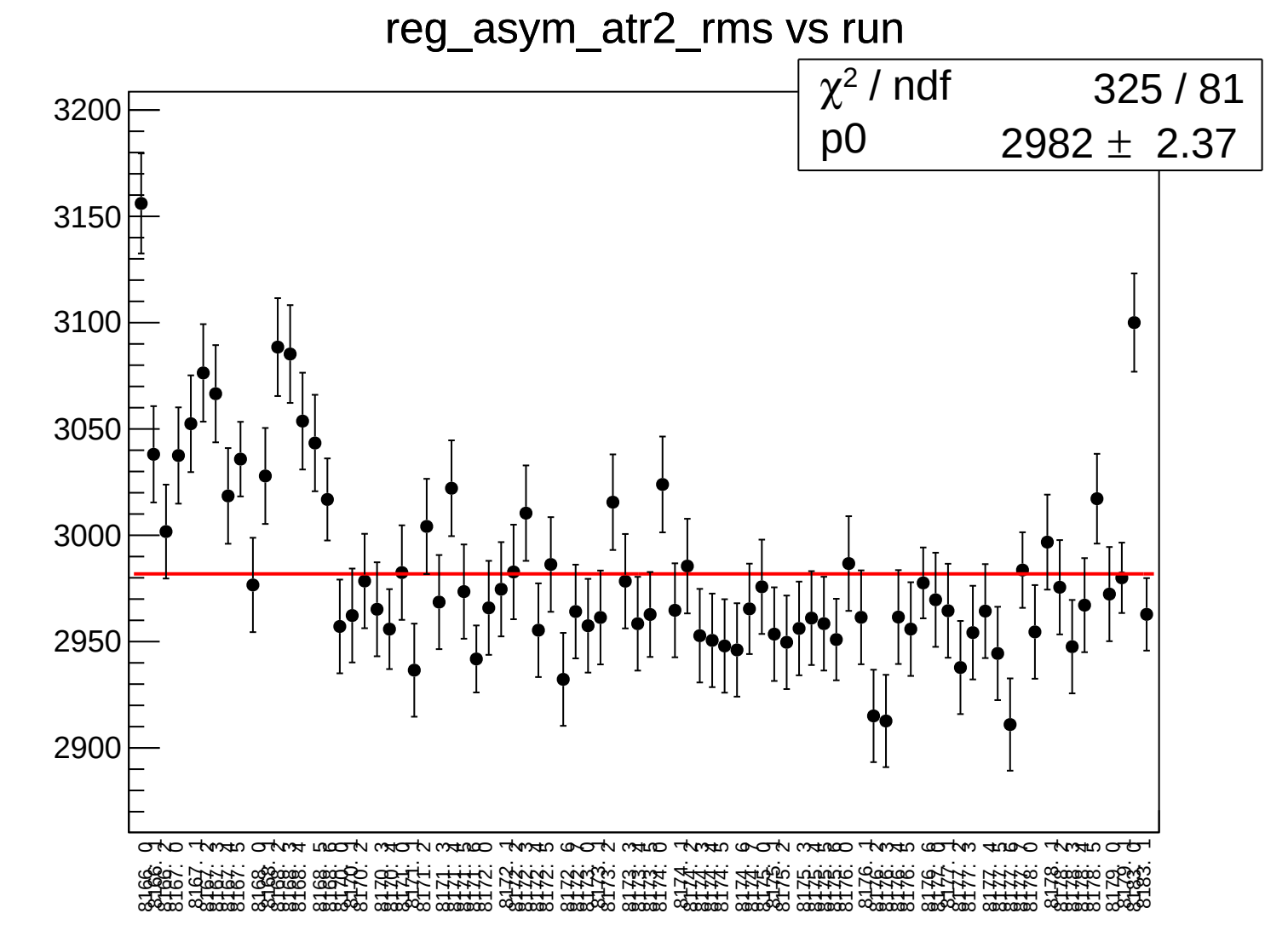

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.44 / 81
p0 1.135e−13 ± 1.075e−13
pull
Entries 82
Mean 128.9
Std Dev 0

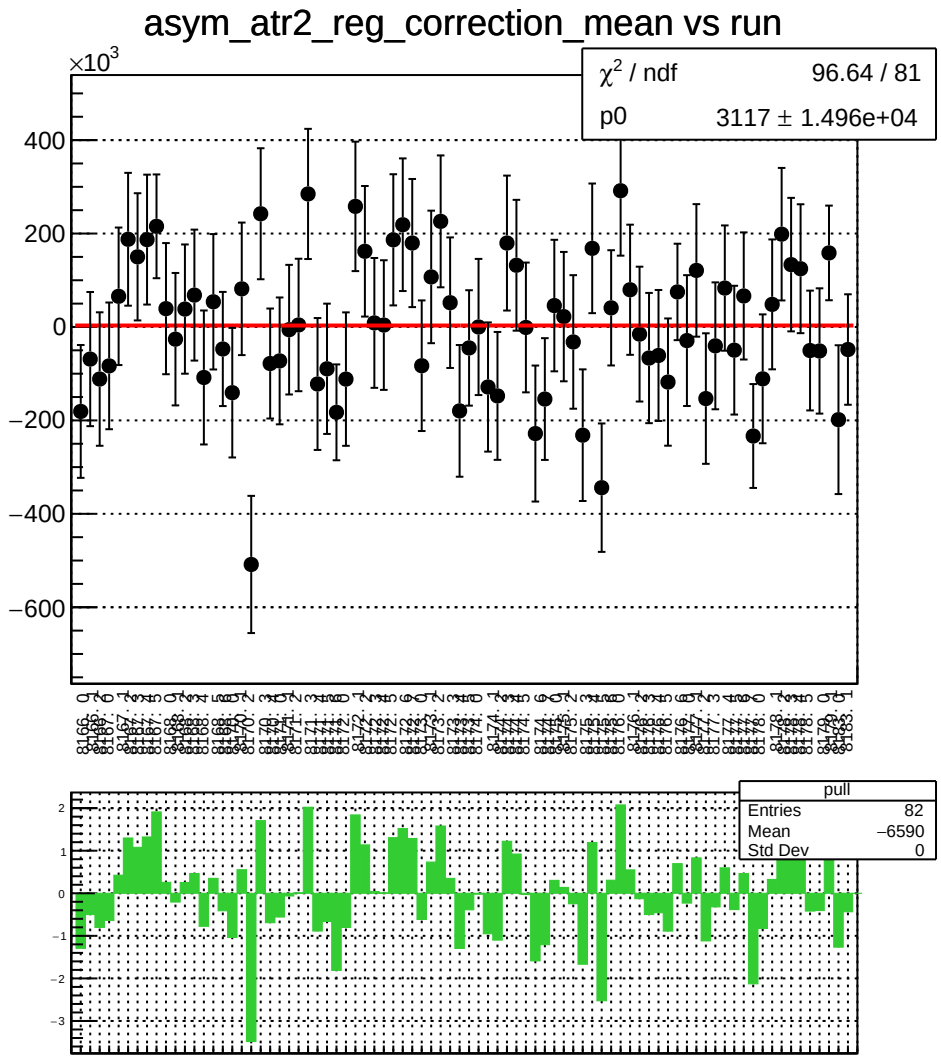

pull1D
Entries 82
Mean 0.02102
Std Dev 1.05

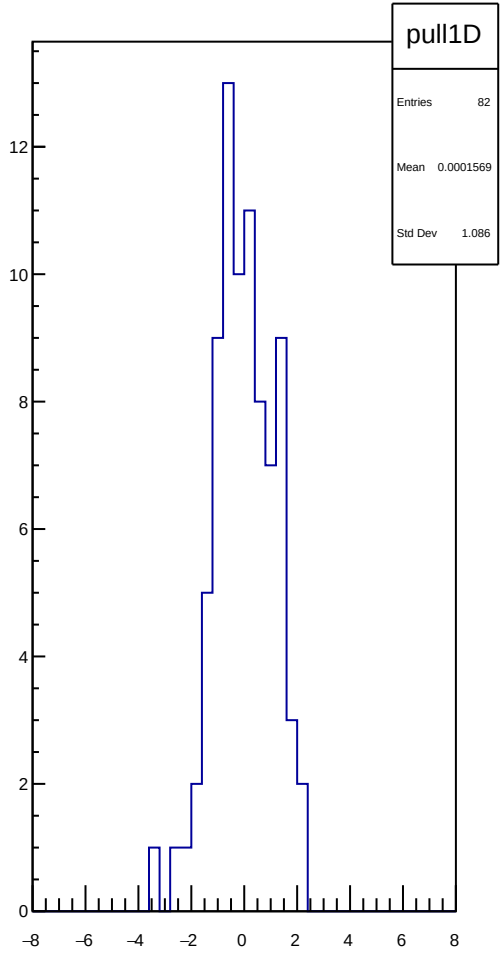

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.548e+05 / 81
p0 7.324e−11 ± 7.602e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

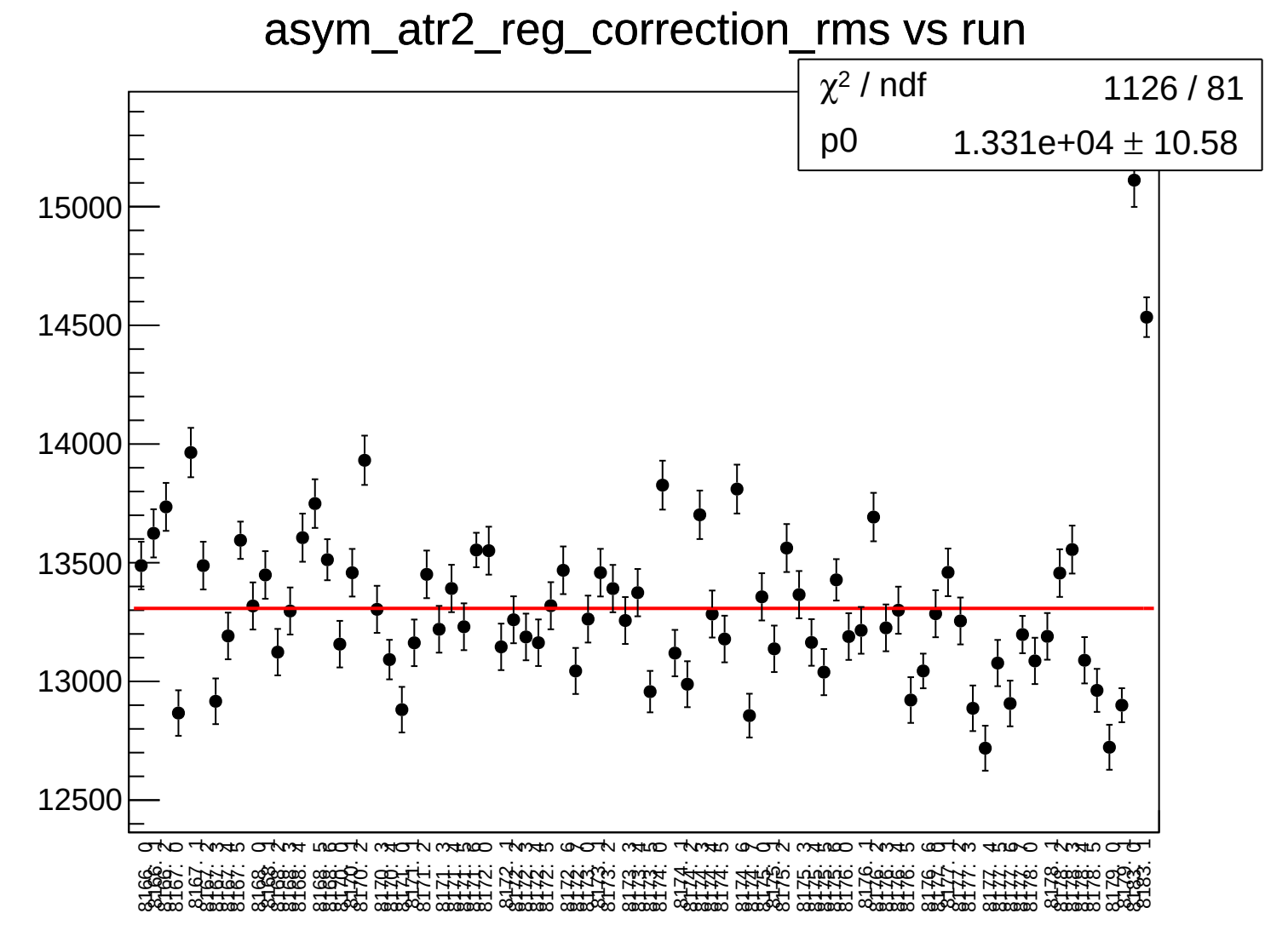

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 71.35 / 81
p0 1755 ± 3352
100
50
0
−50
−100
pull
Entries 82
Mean 1103
Std Dev 0
2
1
0
−1
−2

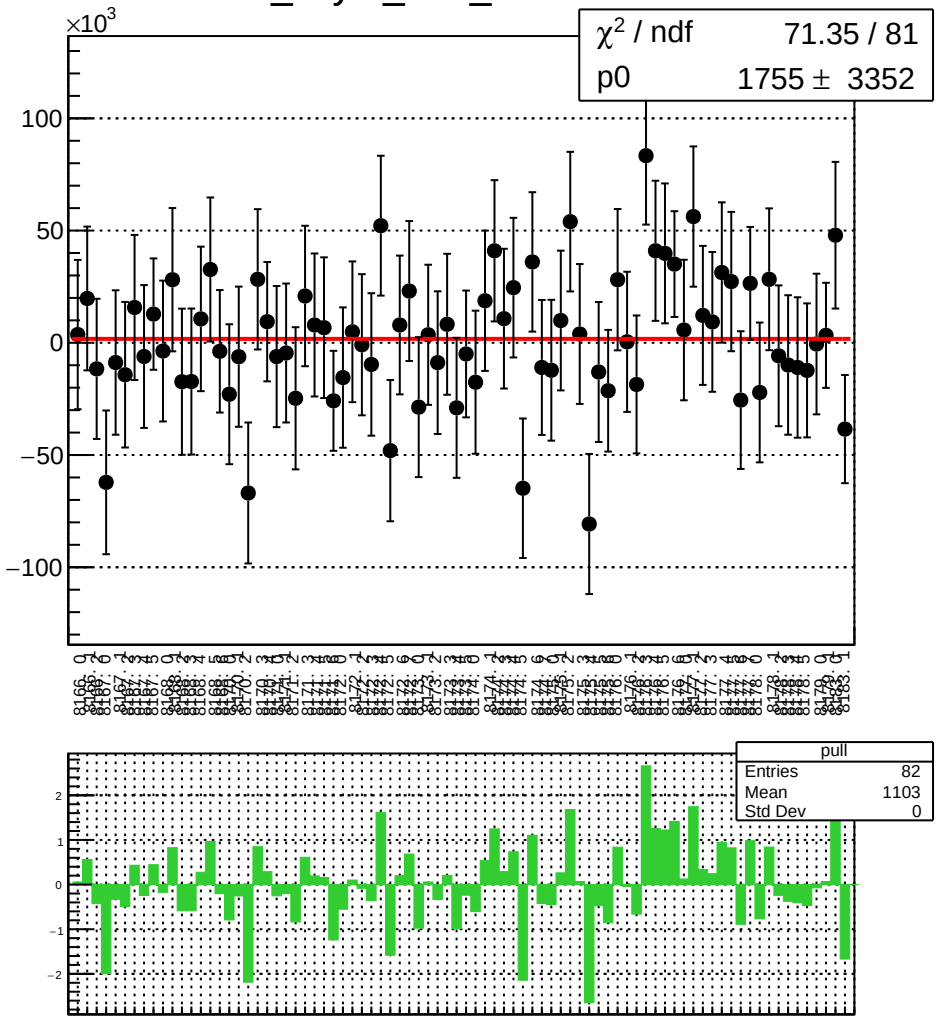

pull1D
Entries 82
Mean 0.003419
Std Dev 0.9328
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

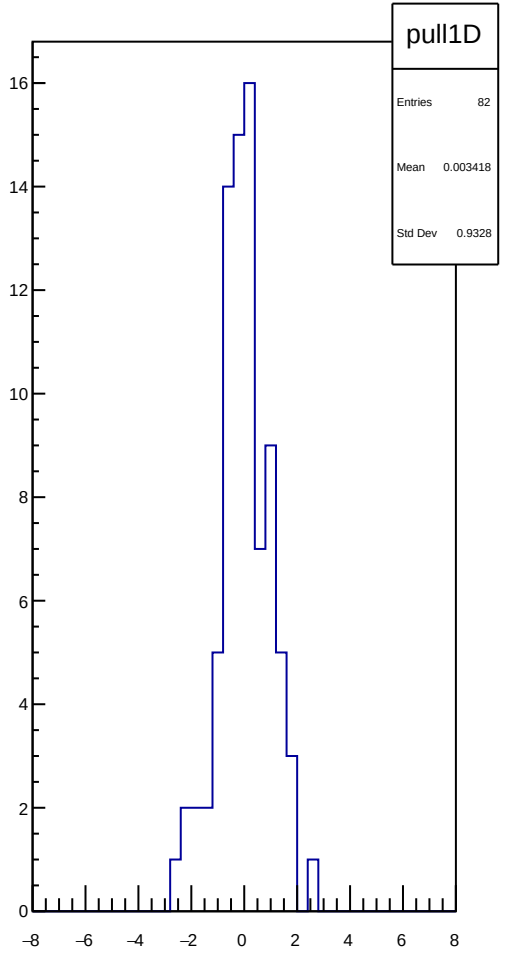

reg_asym_atr2_rms vs run
χ² / ndf 325 / 81
p0 2982 ± 2.37
3200
3150
3100
3050
3000
2950
2900

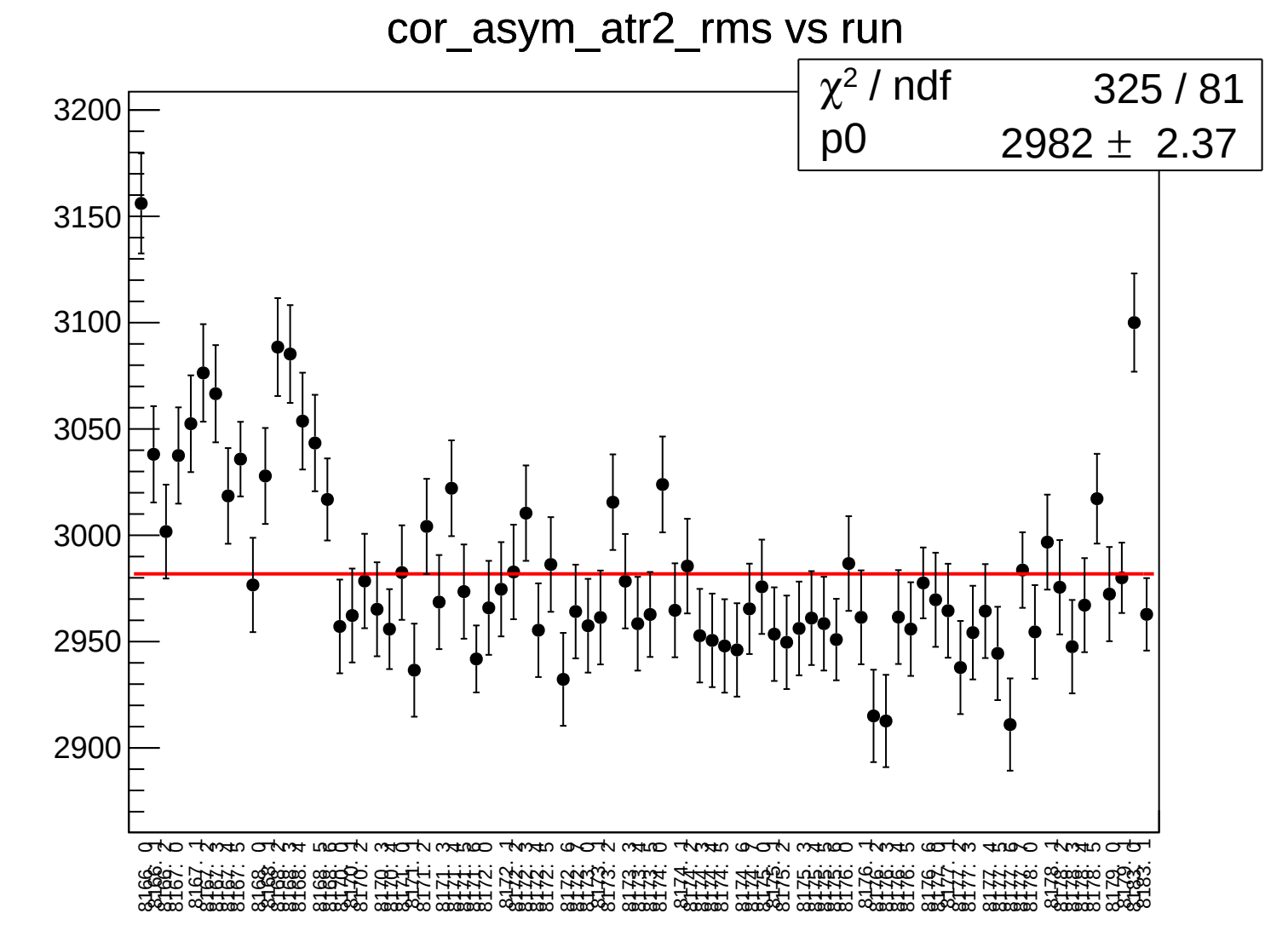

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 96.64 / 81
p0 3117 ± 1.496e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean −6590
Std Dev 0
2
1
0
−1
−2
−3

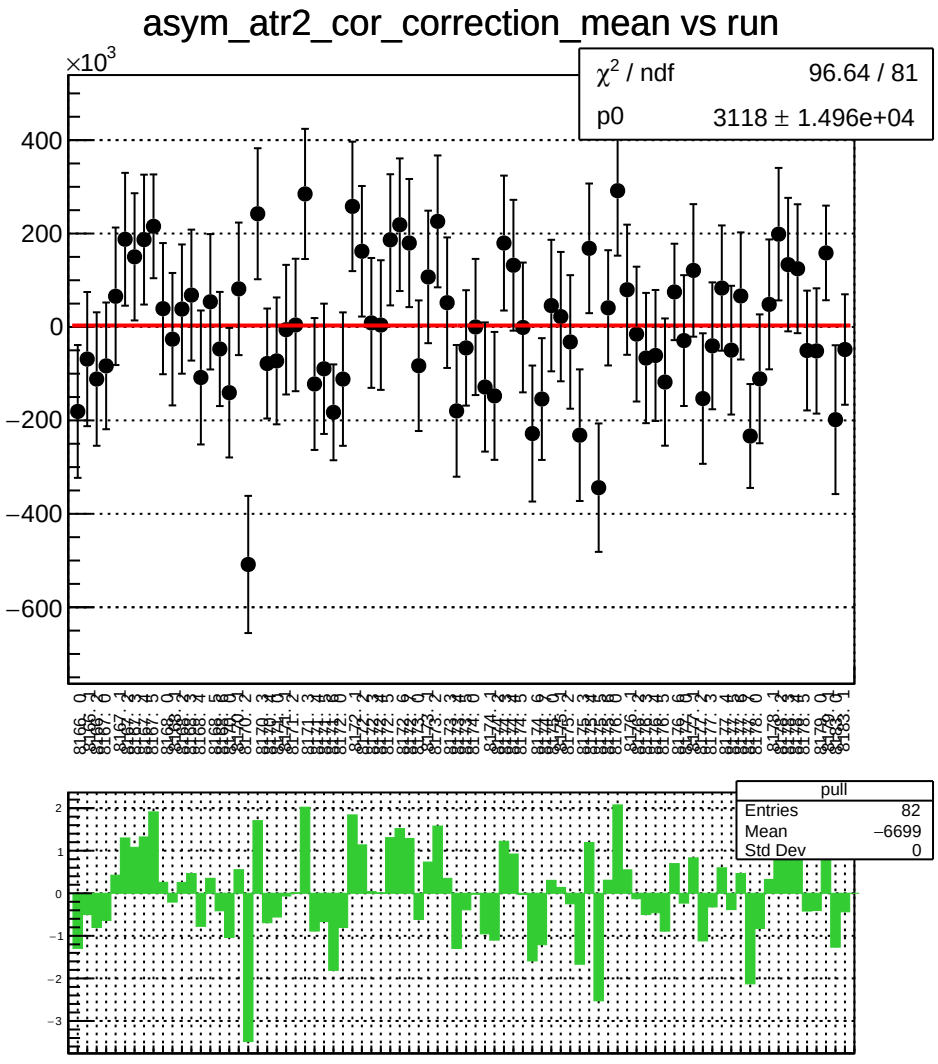

pull1D
Entries 82
Mean 0.0001569
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

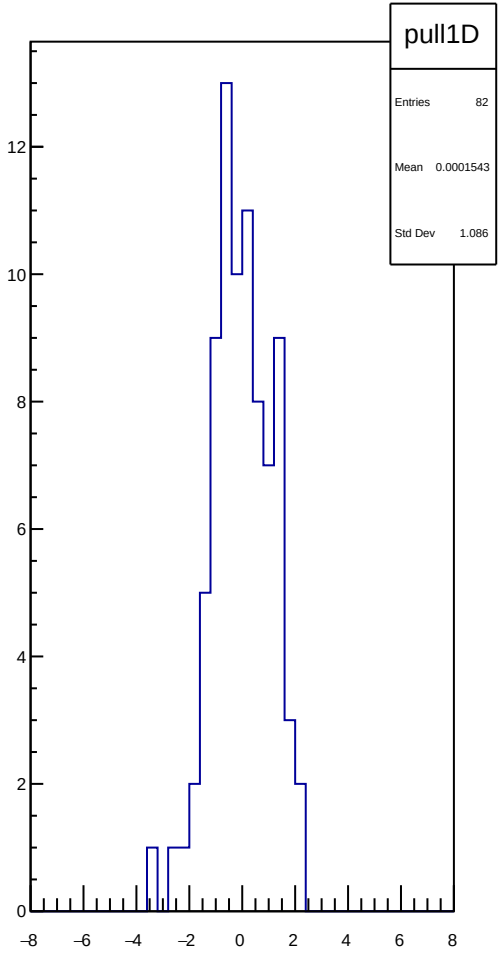

asym_atr2_reg_correction_rms vs run
χ² / ndf 1126 / 81
p0 1.331e+04 ± 10.58
15000
14500
14000
13500
13000
12500

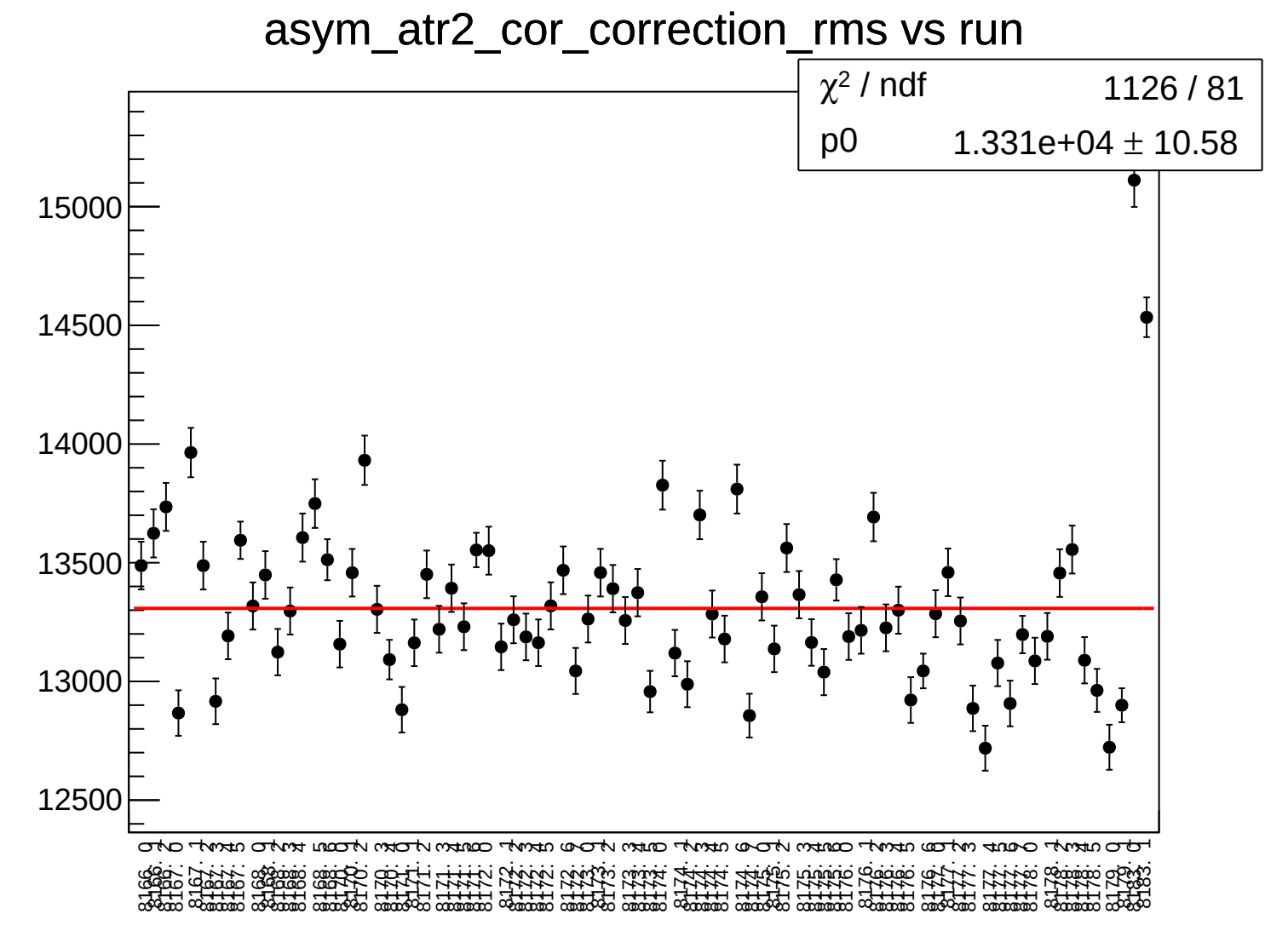

cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 71.35 / 81
p0 1755 ± 3352
100
50
0
−50
−100
pull
Entries 82
Mean 1103
Std Dev 0
2
1
0
−1
−2

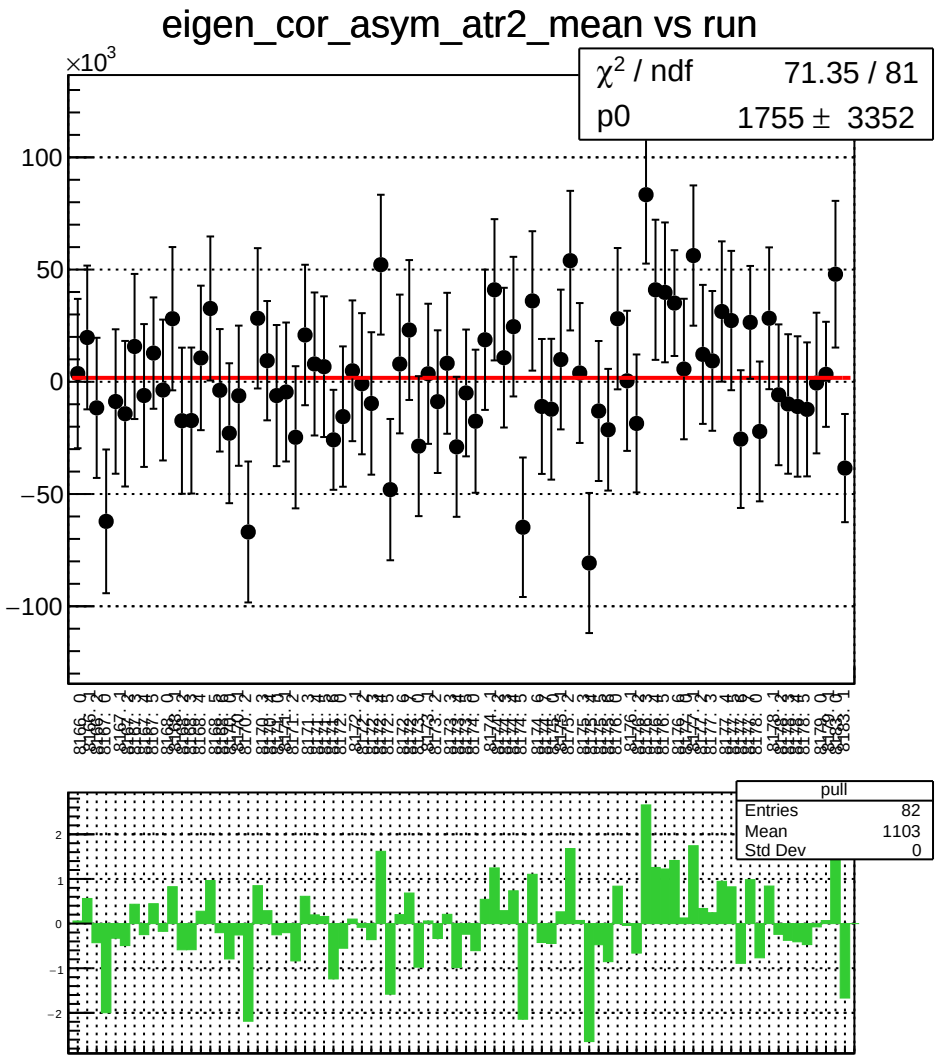

pull1D
Entries 82
Mean 0.003418
Std Dev 0.9328
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

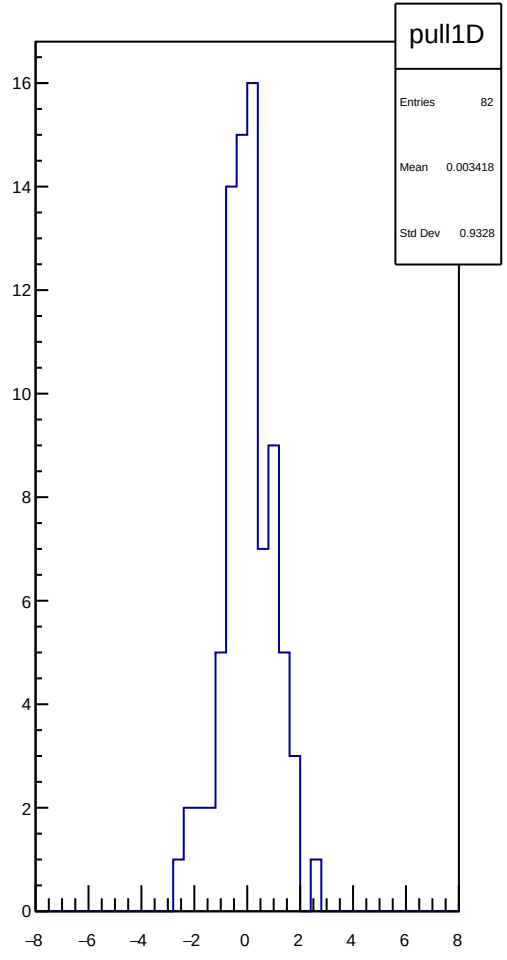

cor_asym_atr2_rms vs run
χ² / ndf 325 / 81
p0 2982 ± 2.37
3200
3150
3100
3050
3000
2950
2900

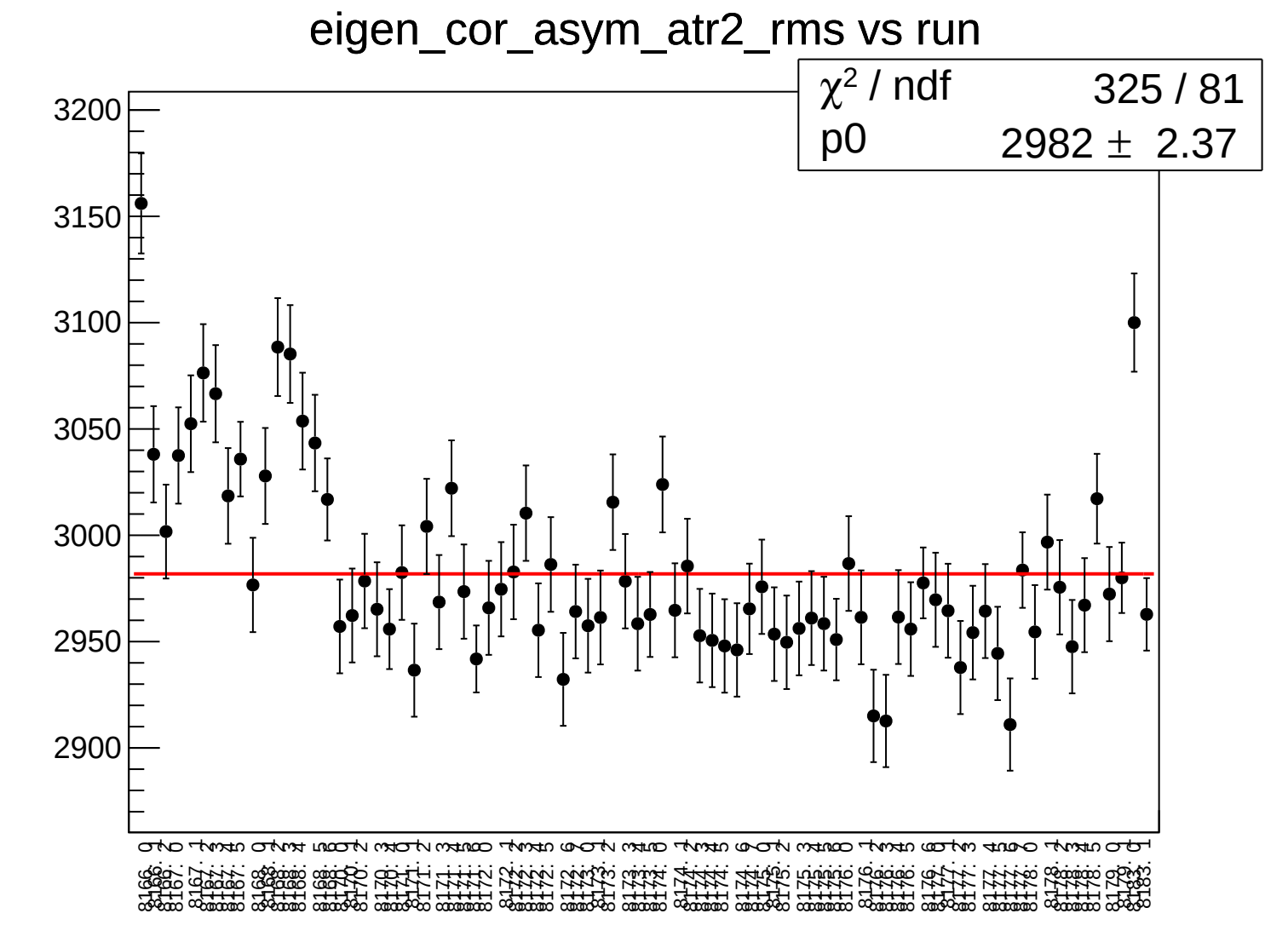

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 96.64 / 81
p0 3118 ± 1.496e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean −6699
Std Dev 0
2
1
0
−1
−2
−3

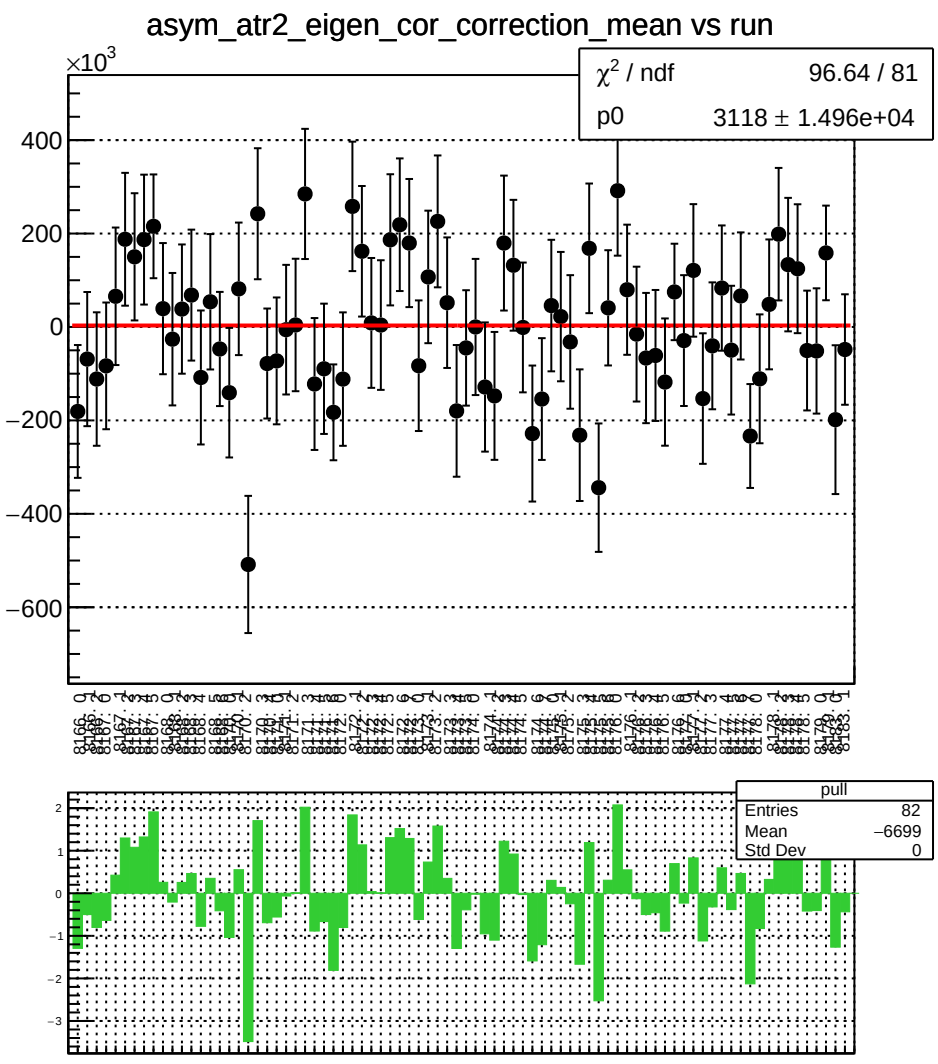

pull1D
Entries 82
Mean 0.0001543
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

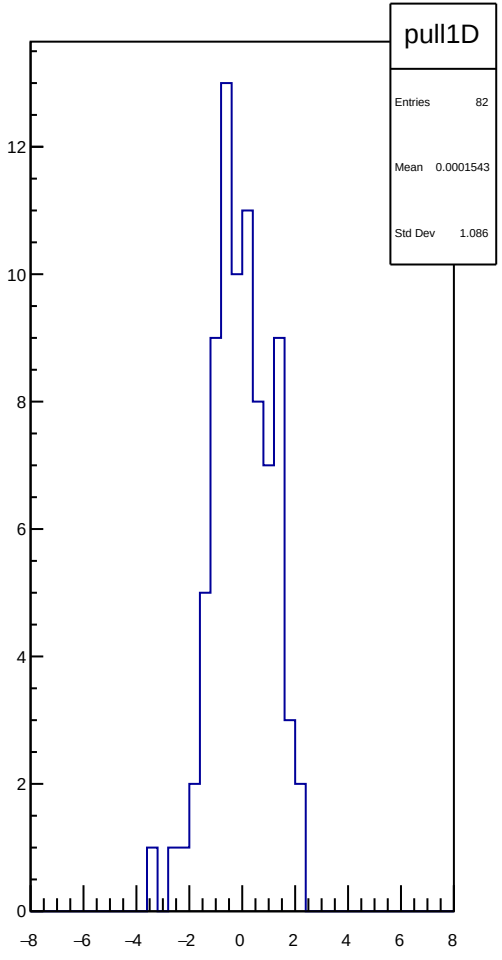

asym_atr2_cor_correction_rms vs run
χ² / ndf 1126 / 81
p0 1.331e+04 ± 10.58
15000
14500
14000
13500
13000
12500

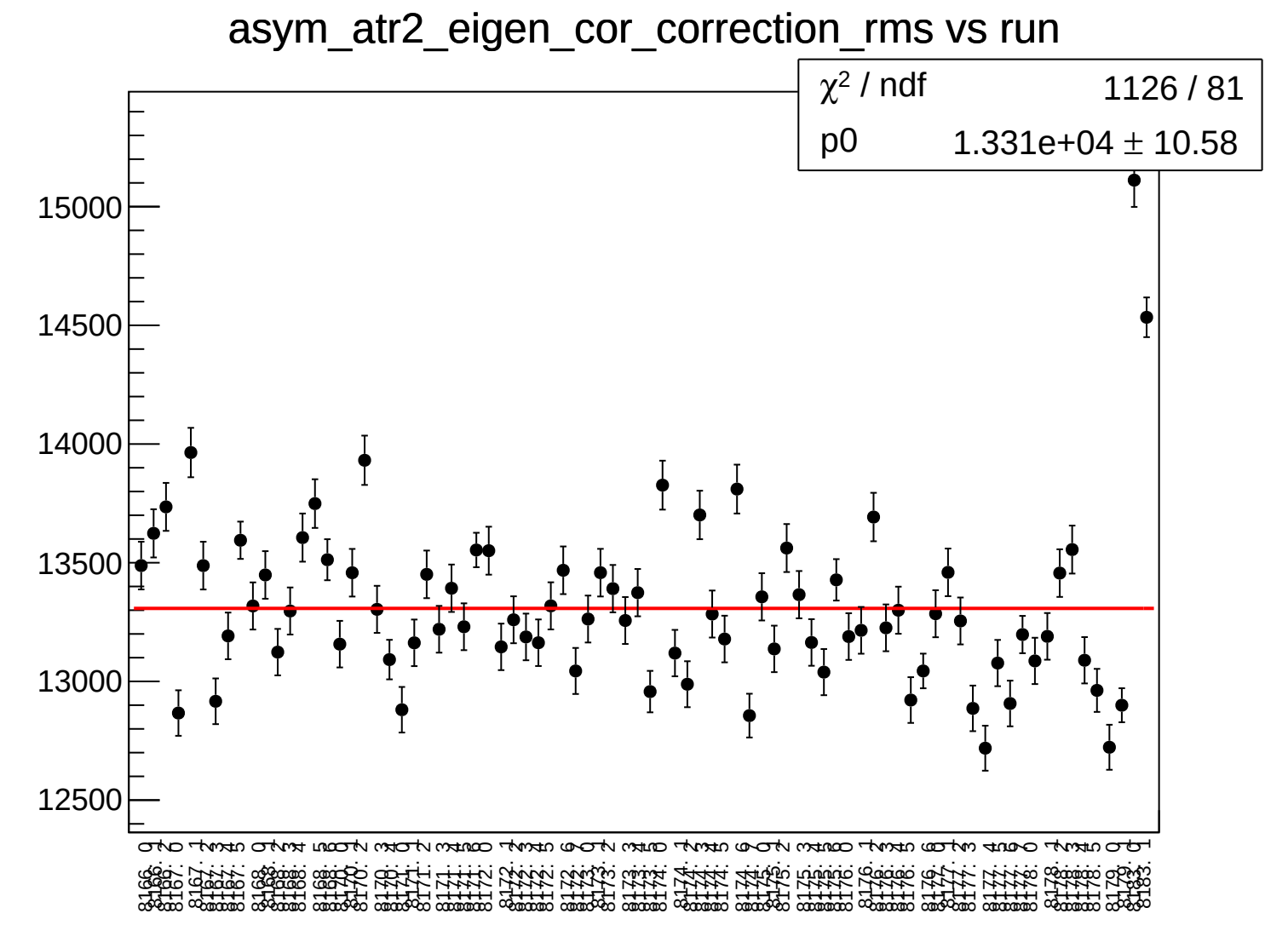

eigen_cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 71.35 / 81
p0 1755 ± 3352
100
50
0
−50
−100
pull
Entries 82
Mean 1103
Std Dev 0
2
1
0
−1
−2

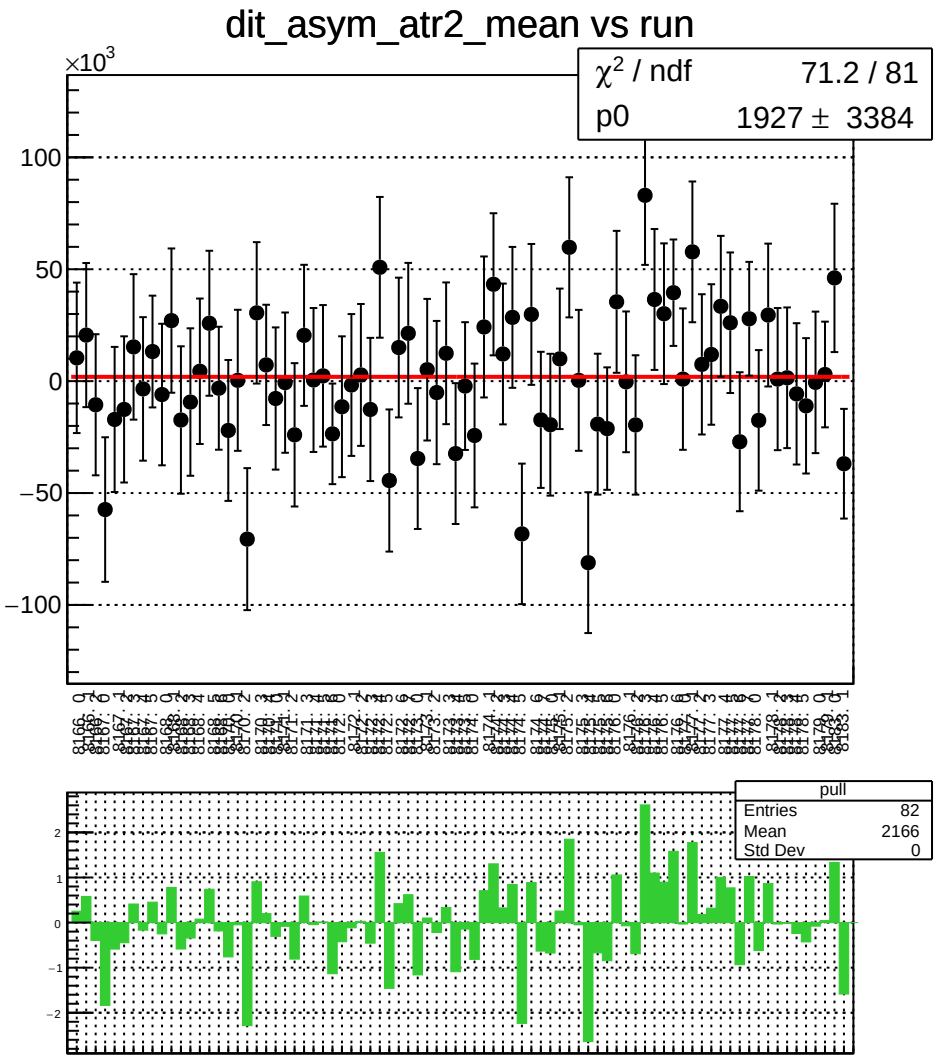

pull1D
Entries 82
Mean 0.003418
Std Dev 0.9328
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

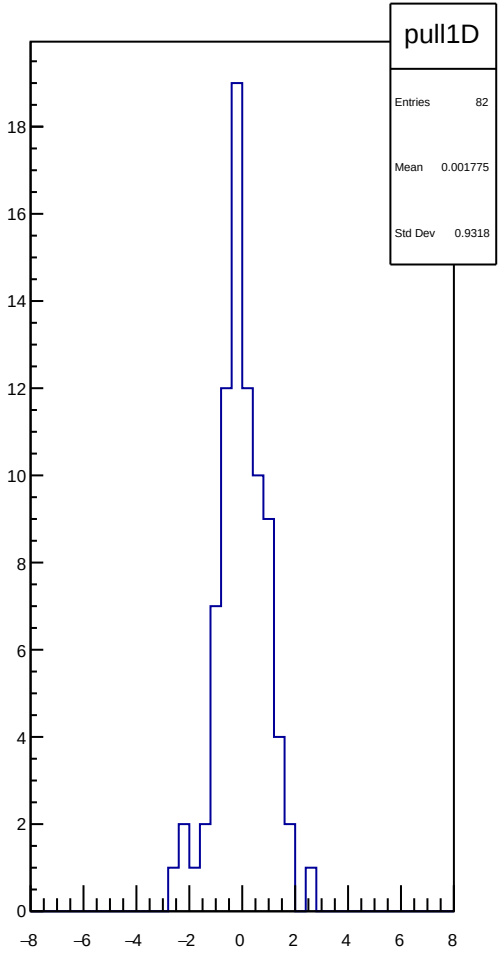

eigen_cor_asym_atr2_rms vs run
χ² / ndf 325 / 81
p0 2982 ± 2.37
3200
3150
3100
3050
3000
2950
2900

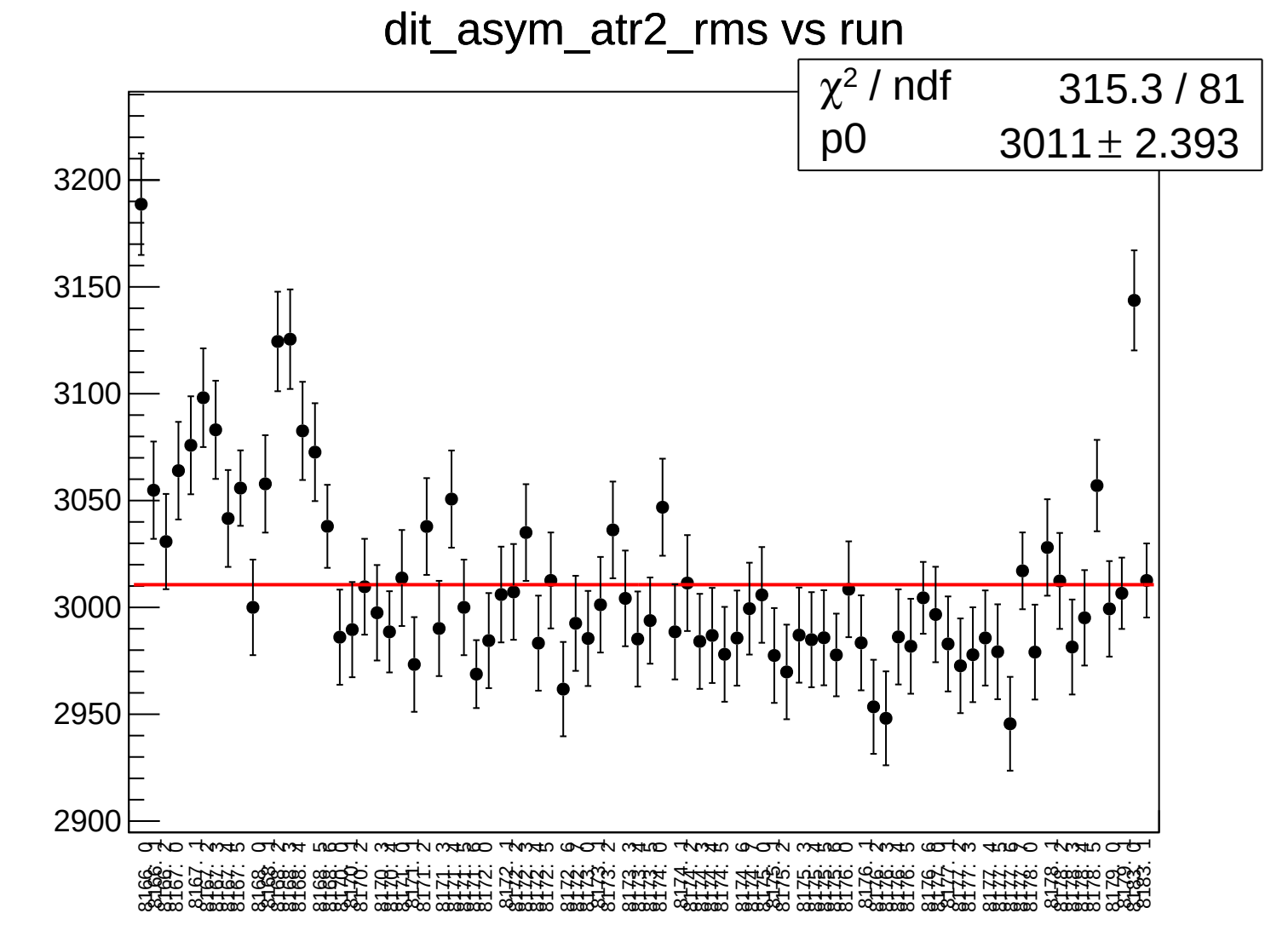

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 96.64 / 81
p0 3118 ± 1.496e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean −6699
Std Dev 0
2
1
0
−1
−2
−3

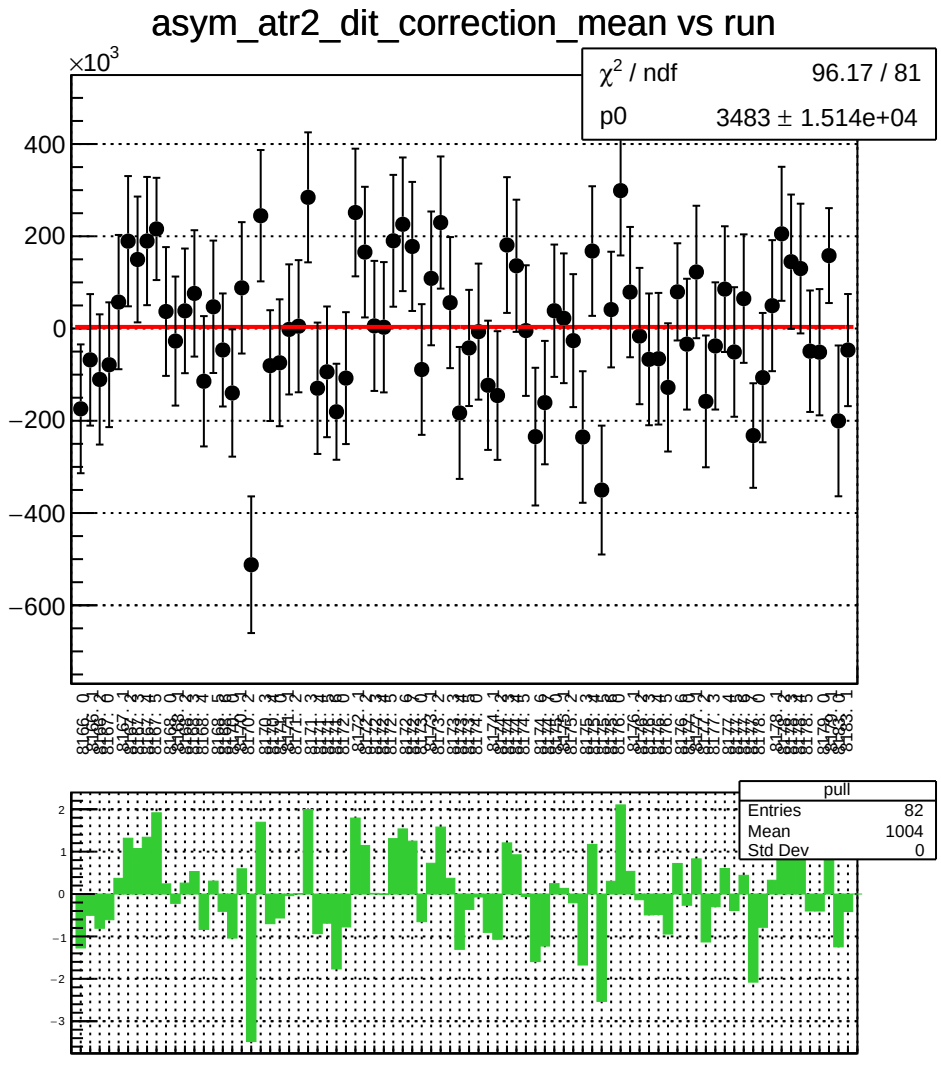

pull1D
Entries 82
Mean 0.0001543
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

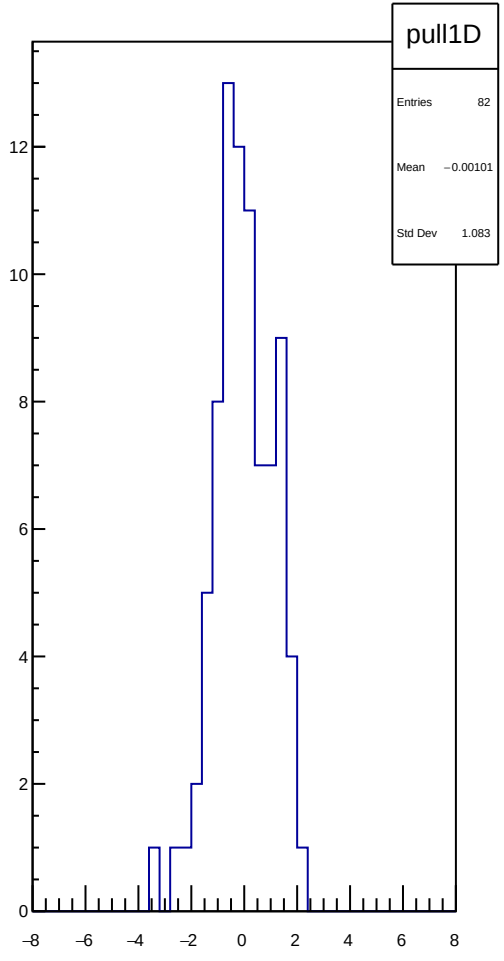

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 1126 / 81
p0 1.331e+04 ± 10.58
15000
14500
14000
13500
13000
12500

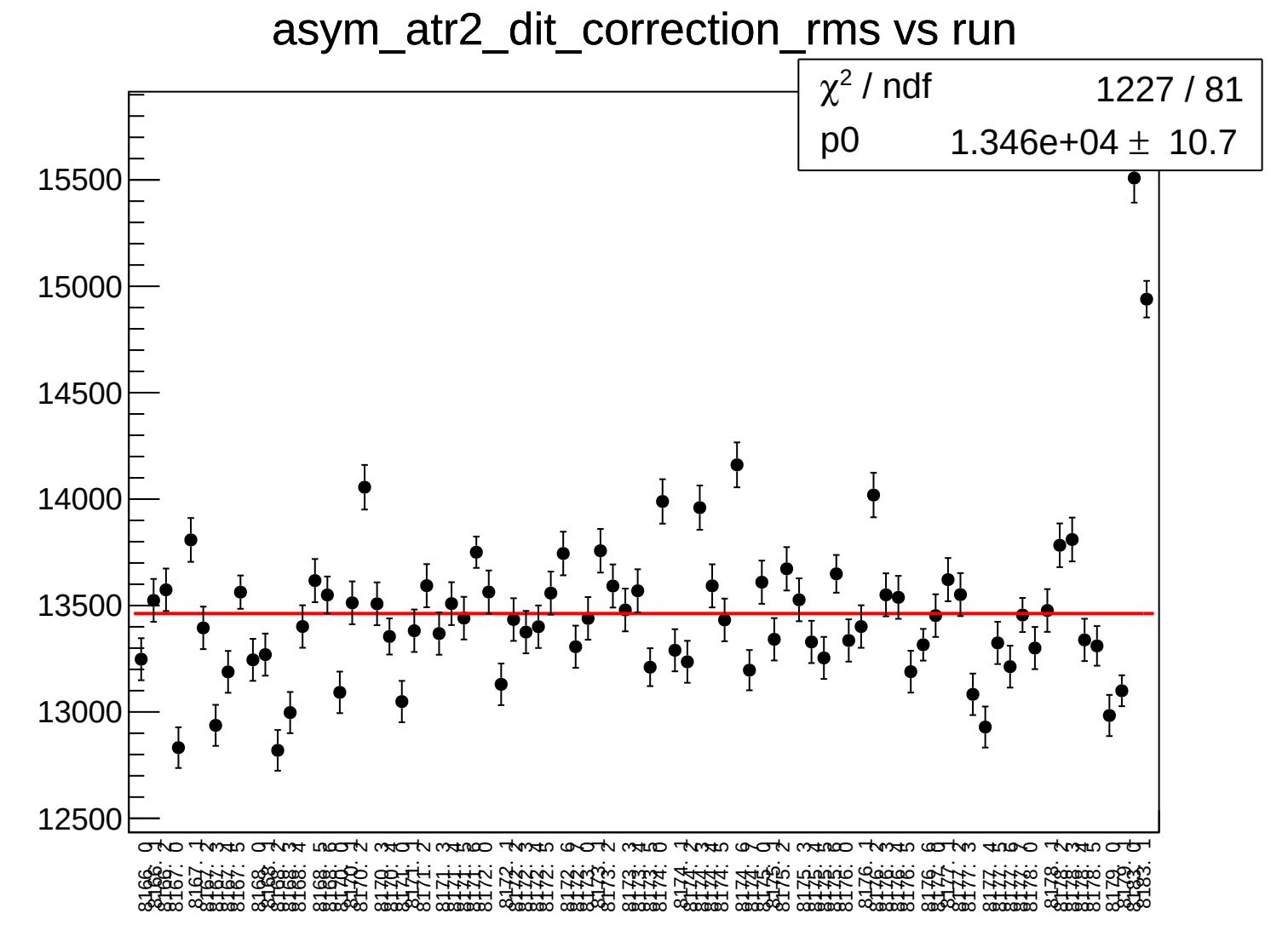

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 71.2 / 81
p0 1927 ± 3384
100
50
0
−50
−100
pull
Entries 82
Mean 2166
Std Dev 0
2
1
0
−1
−2

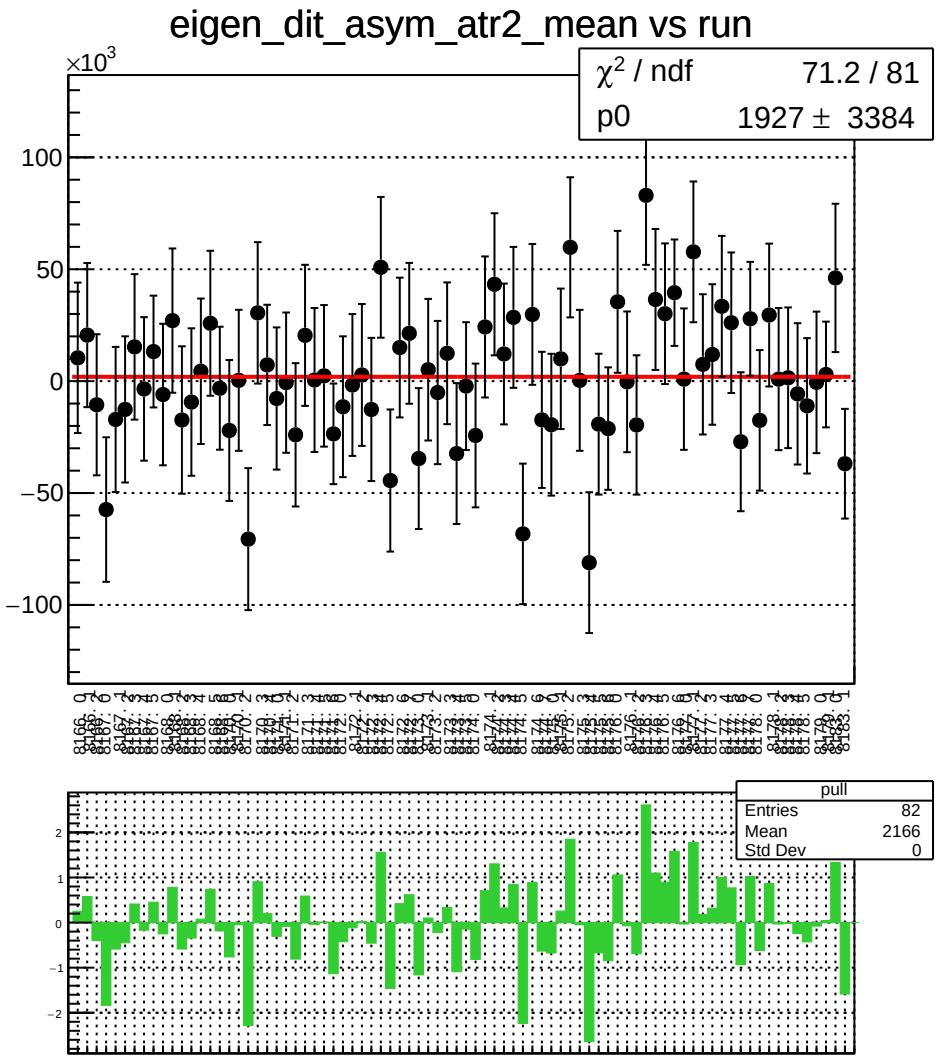

pull1D
Entries 82
Mean 0.001775
Std Dev 0.9318
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

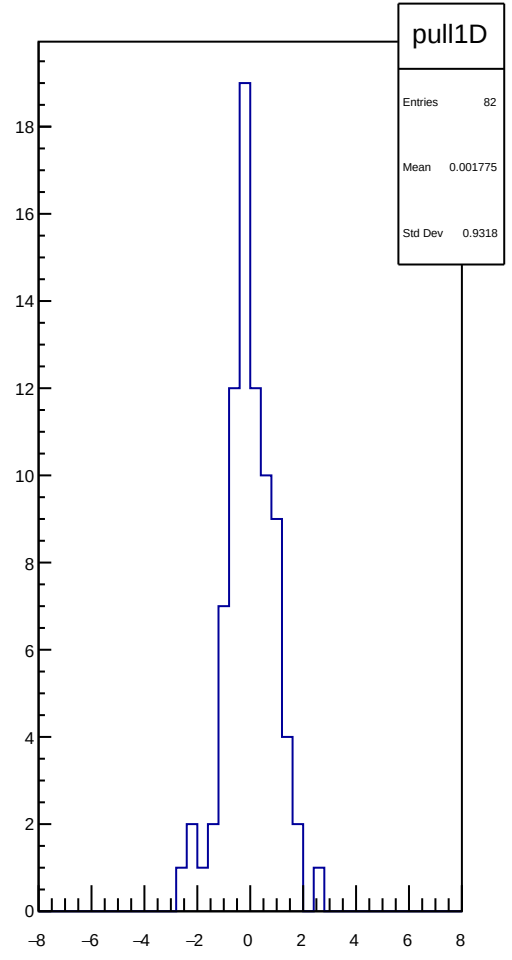

dit_asym_atr2_rms vs run
χ² / ndf 315.3 / 81
p0 3011 ± 2.393
3200
3150
3100
3050
3000
2950
2900

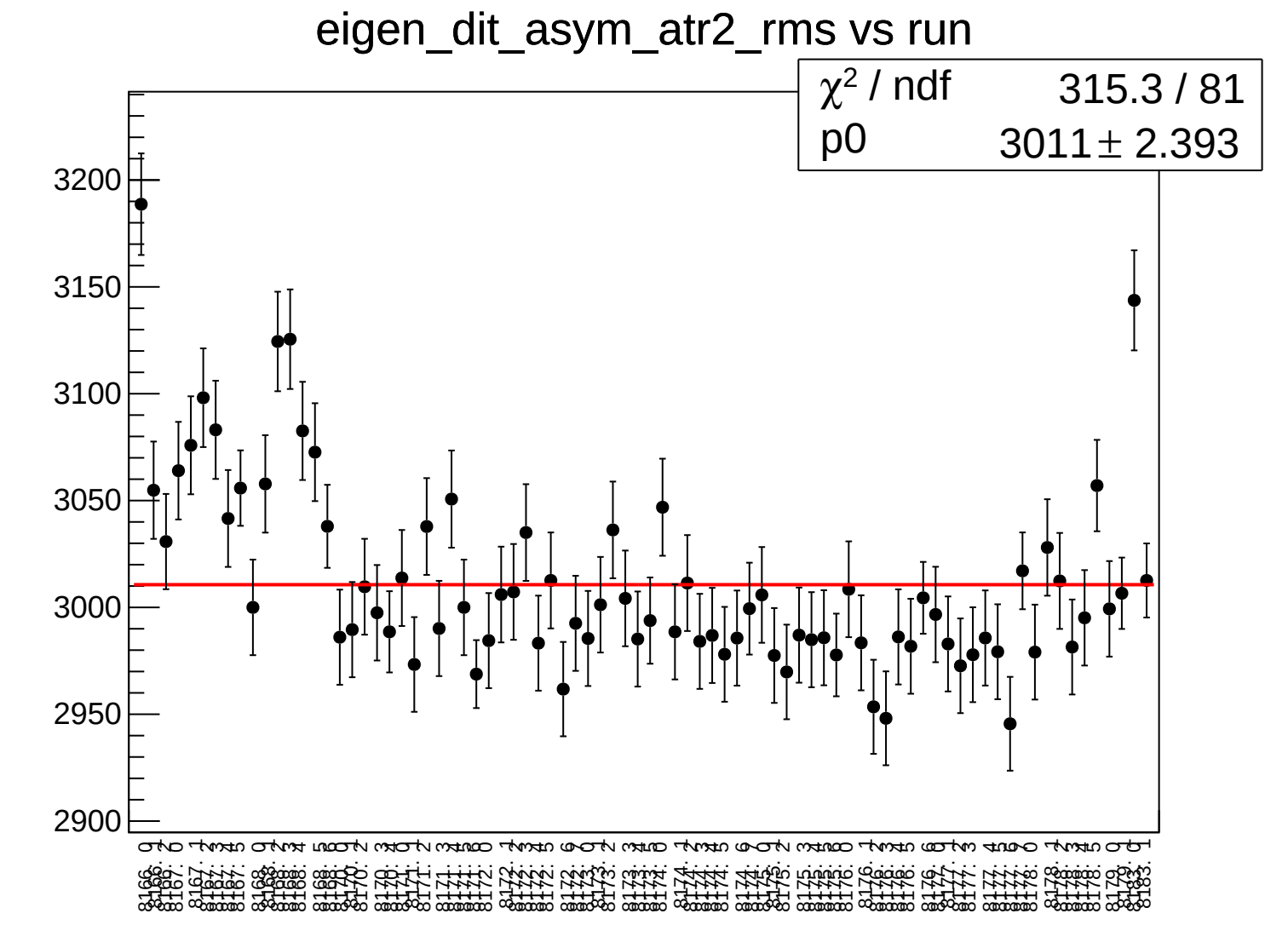

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 96.17 / 81
p0 3483 ± 1.514e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 1004
Std Dev 0
2
1
0
−1
−2
−3

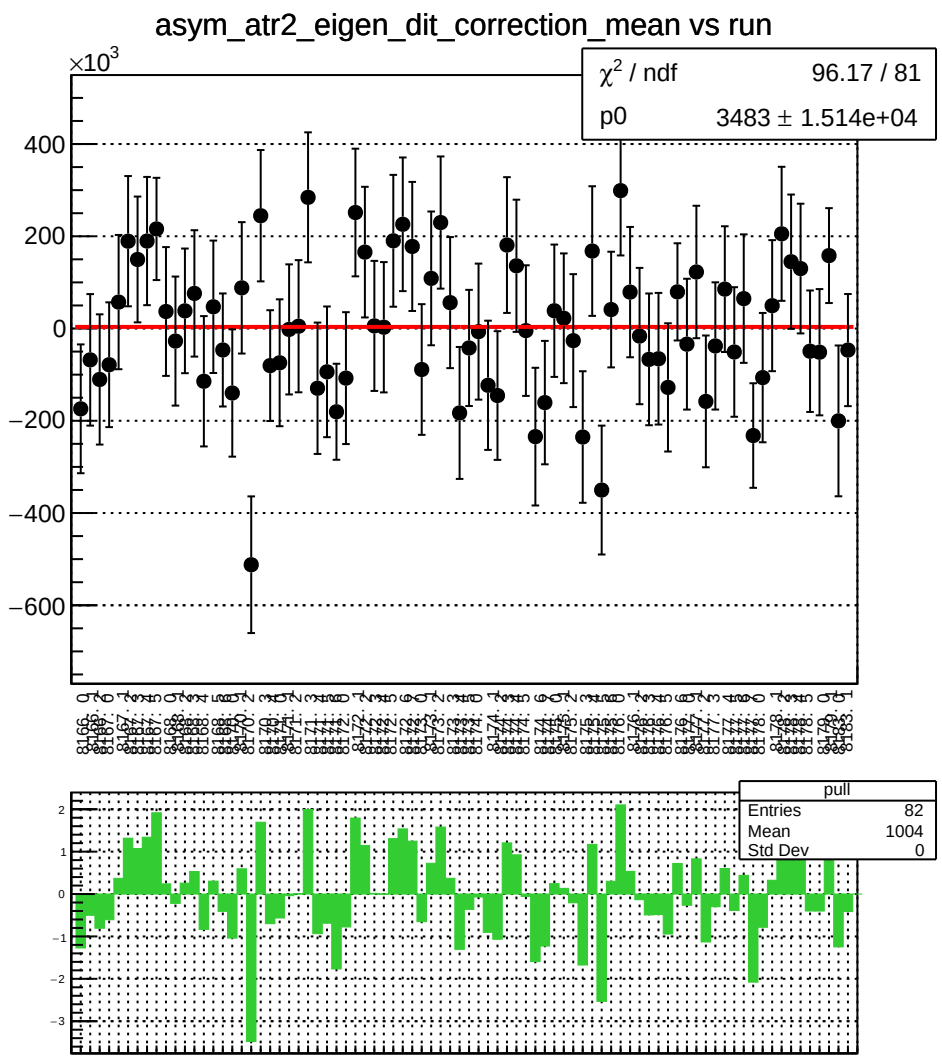

pull1D
Entries 82
Mean −0.00101
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

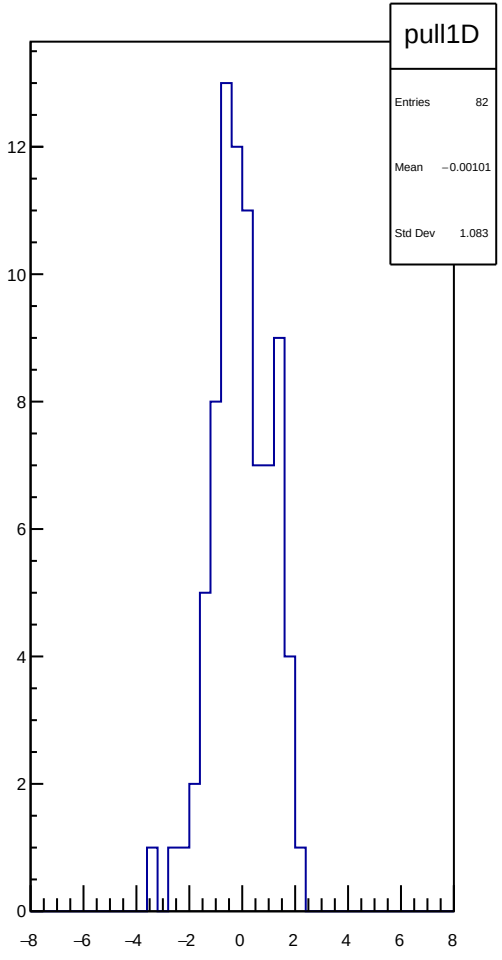

asym_atr2_dit_correction_rms vs run
χ² / ndf 1227 / 81
p0 1.346e+04 ± 10.7
15500
15000
14500
14000
13500
13000
12500

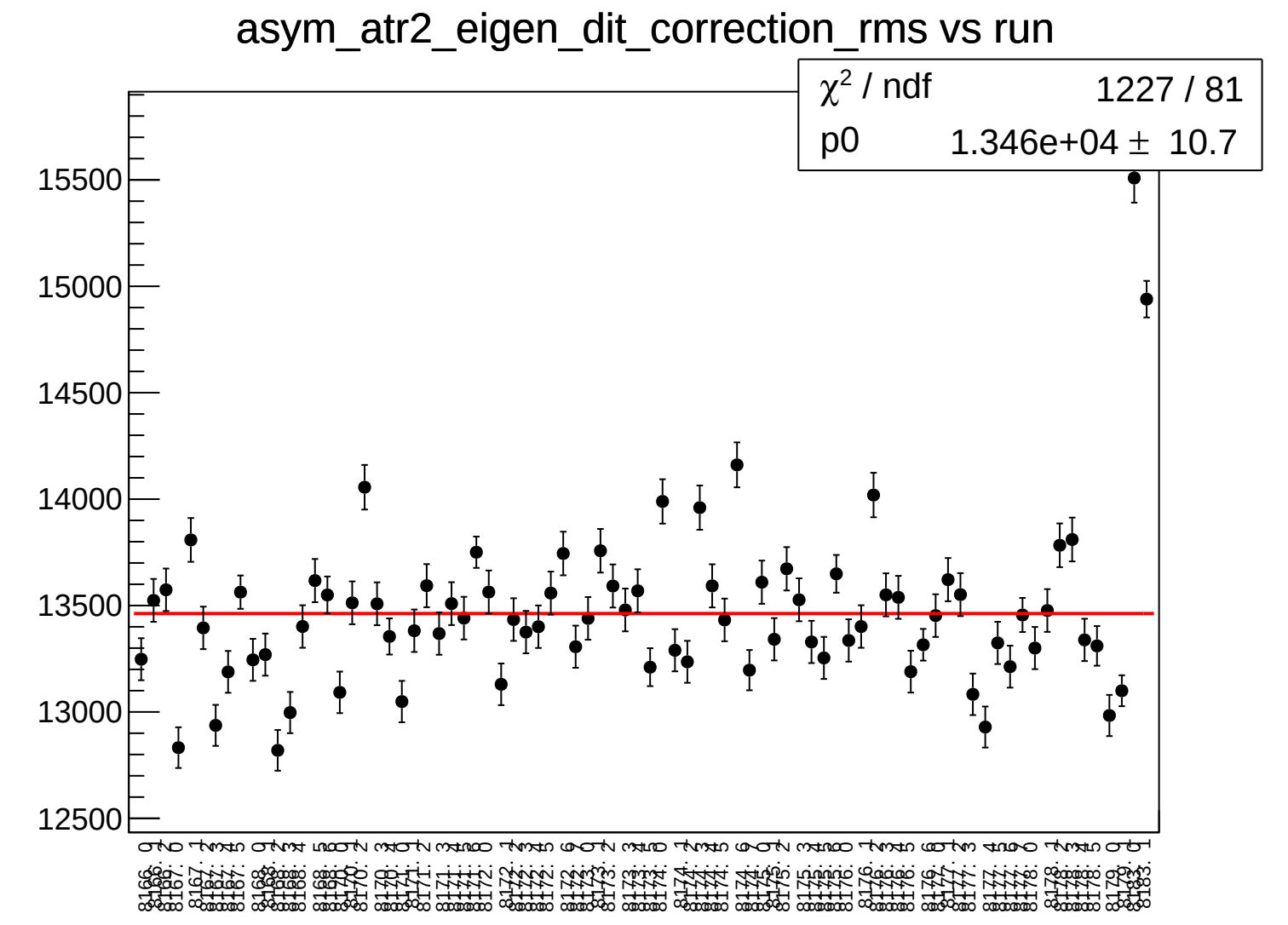

eigen_dit_asym_atr2_mean vs run
χ² / ndf 71.2 / 81
p0 1927 ± 3384
pull
Entries 82
Mean 2166
Std Dev 0

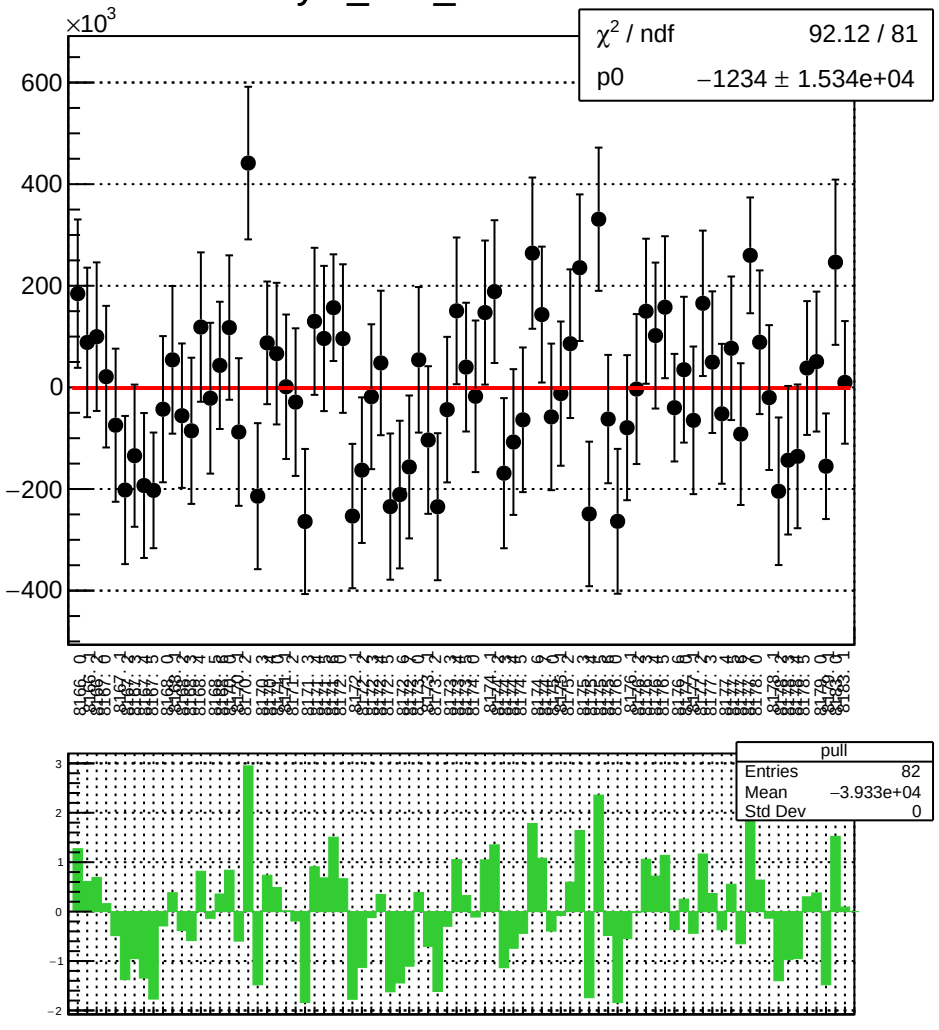

pull1D
Entries 82
Mean 0.001775
Std Dev 0.9318

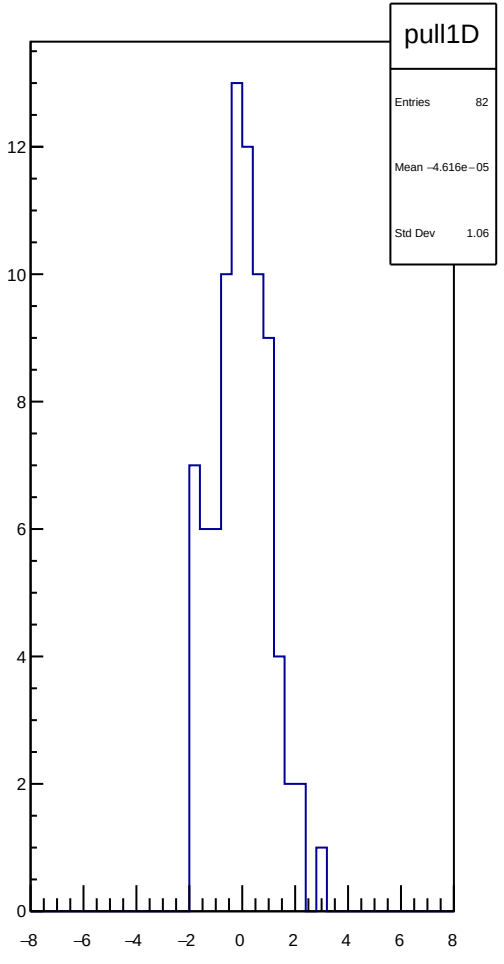

eigen_dit_asym_atr2_rms vs run
χ² / ndf 315.3 / 81
p0 3011 ± 2.393
3200
3150
3100
3050
3000
2950
2900

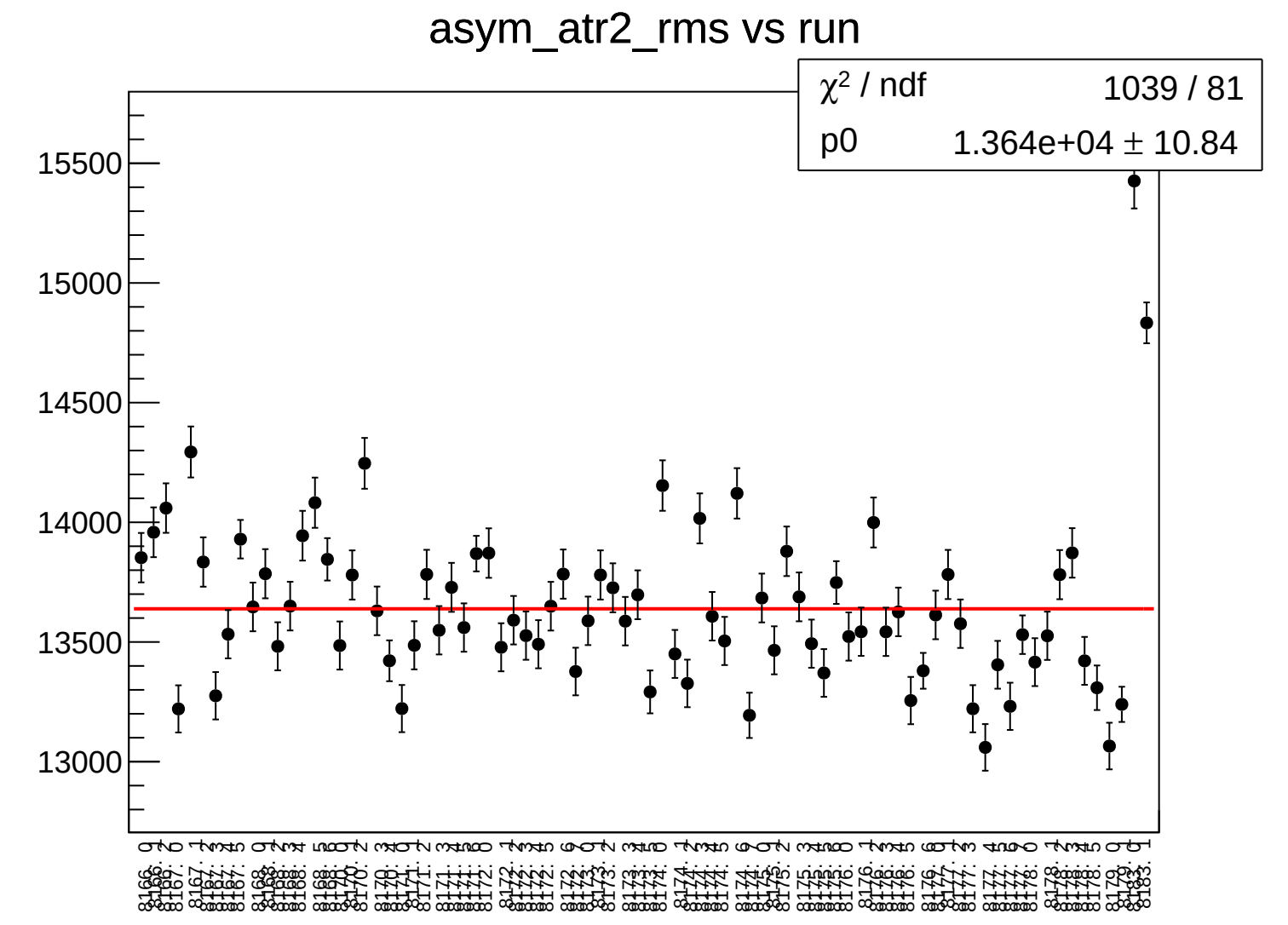

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.17 / 81
p0 3483 ± 1.514e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 1004
Std Dev 0
2
1
0
−1
−2
−3

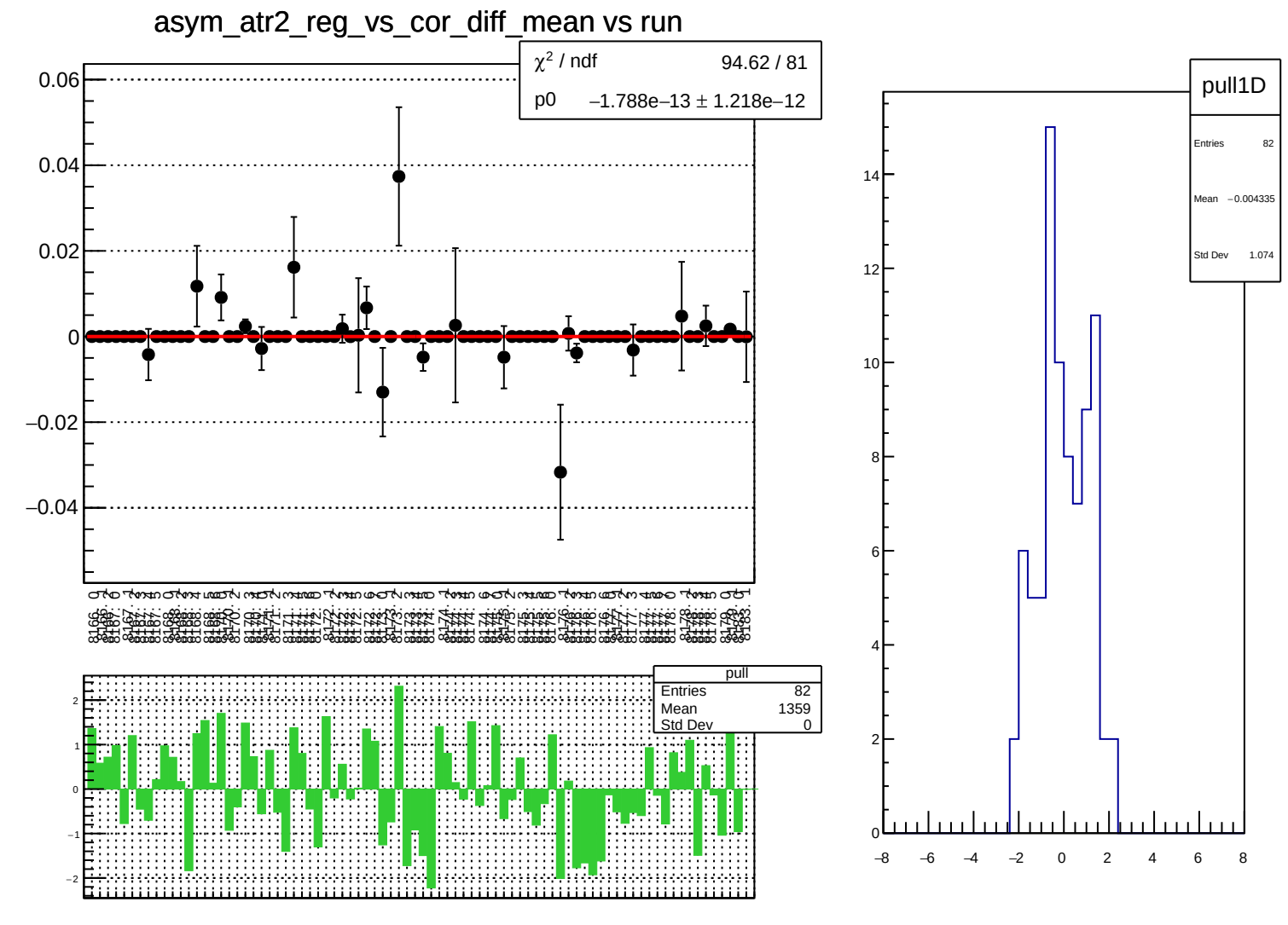

pull1D
Entries 82
Mean −0.00101
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

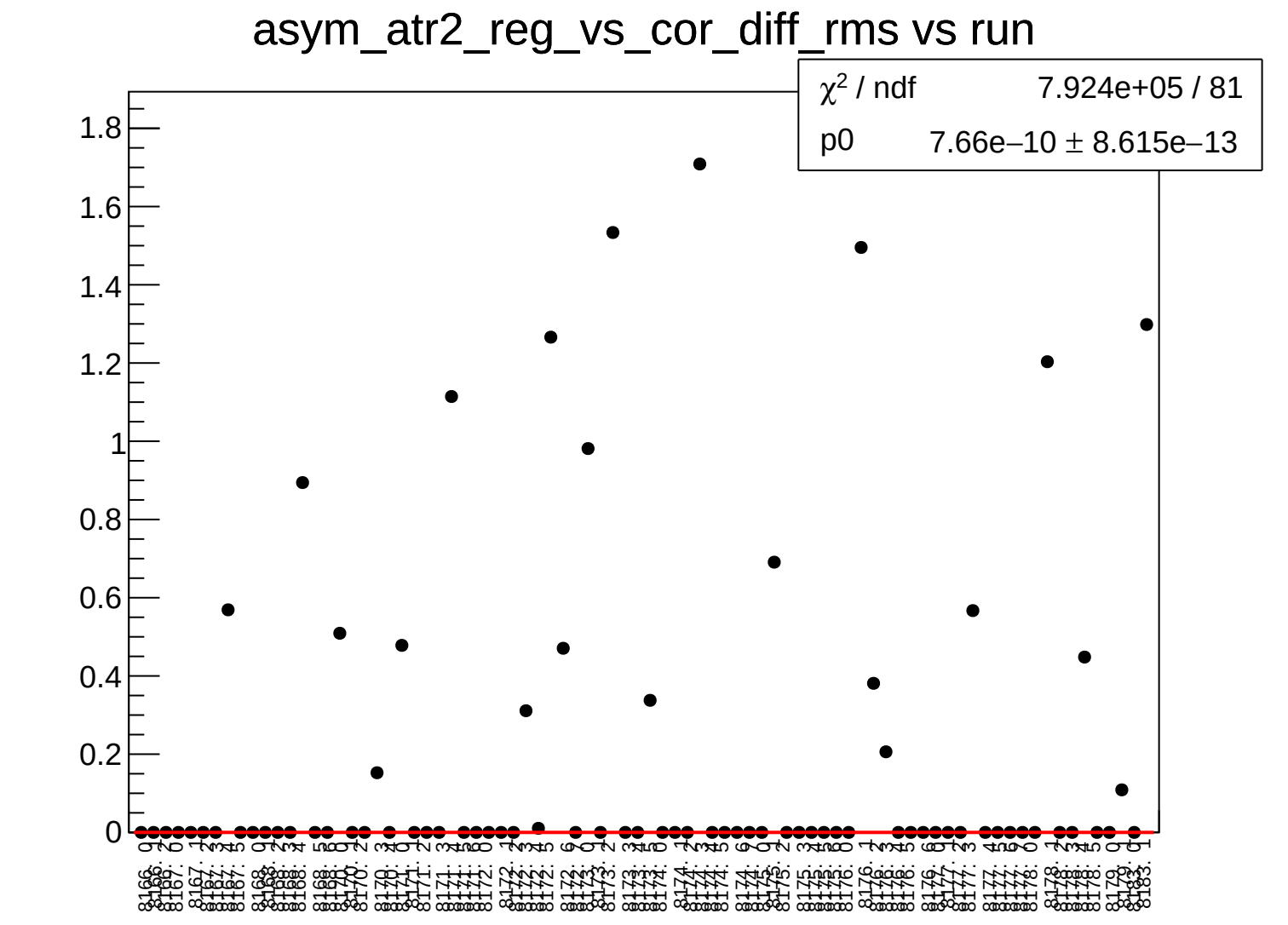

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 1227 / 81
p0 1.346e+04 ± 10.7
15500
15000
14500
14000
13500
13000
12500

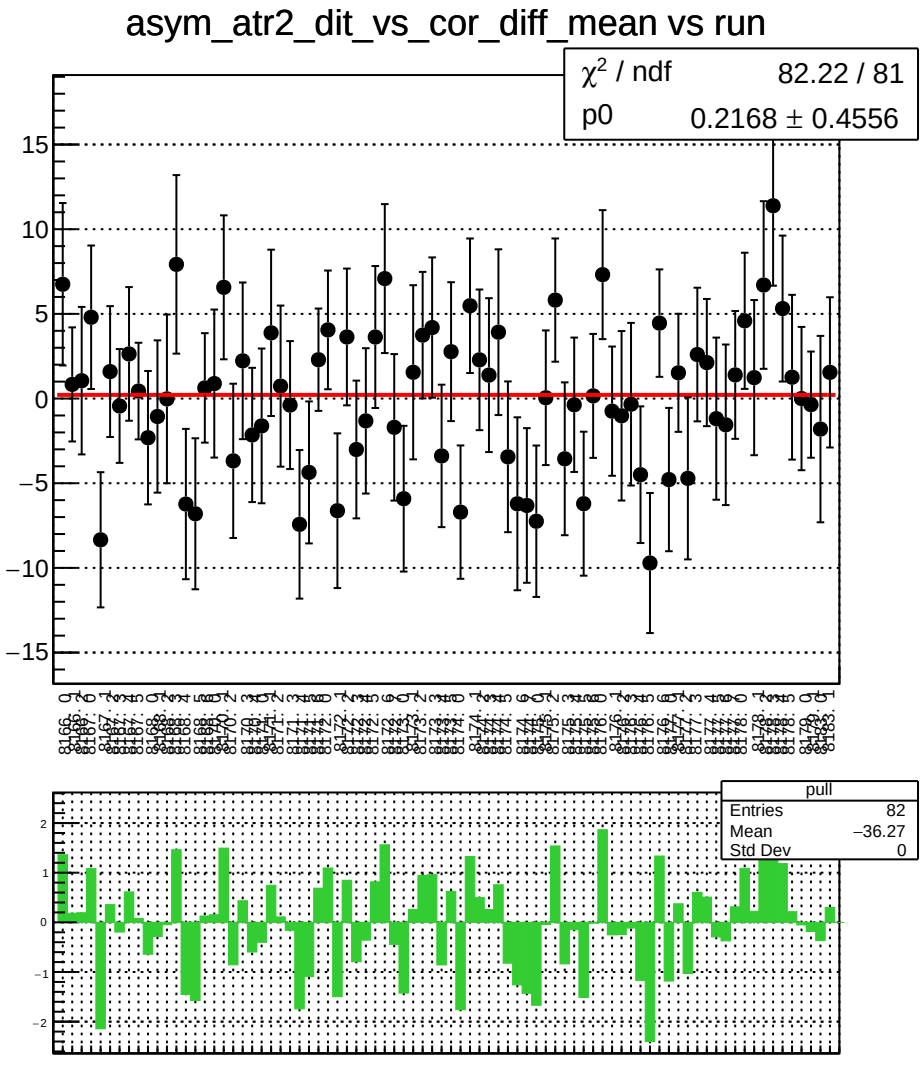

asym_atr2_mean vs run
×10^3
χ² / ndf 92.12 / 81
p0 −1234 ± 1.534e+04
600
400
200
0
−200
−400
pull
Entries 82
Mean −3.933e+04
Std Dev 0
3
2
1
0
−1
−2

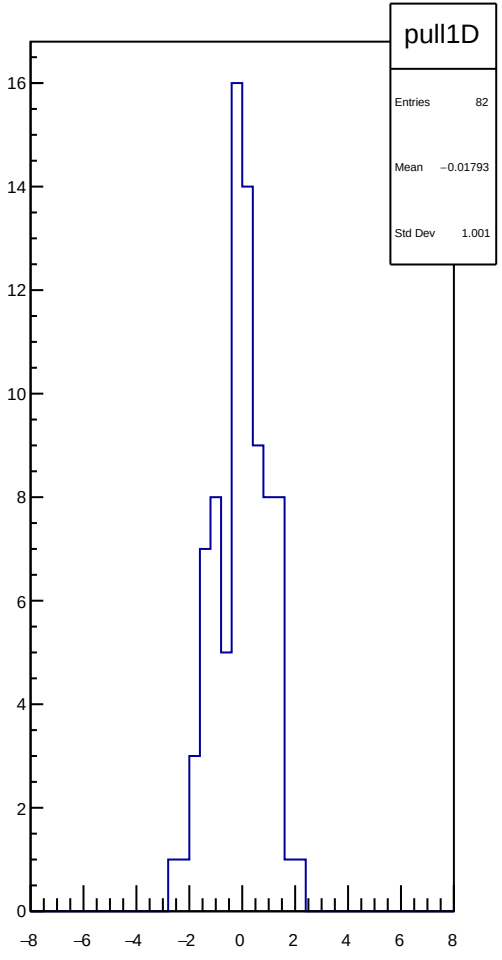

pull1D
Entries 82
Mean −4.616e−05
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

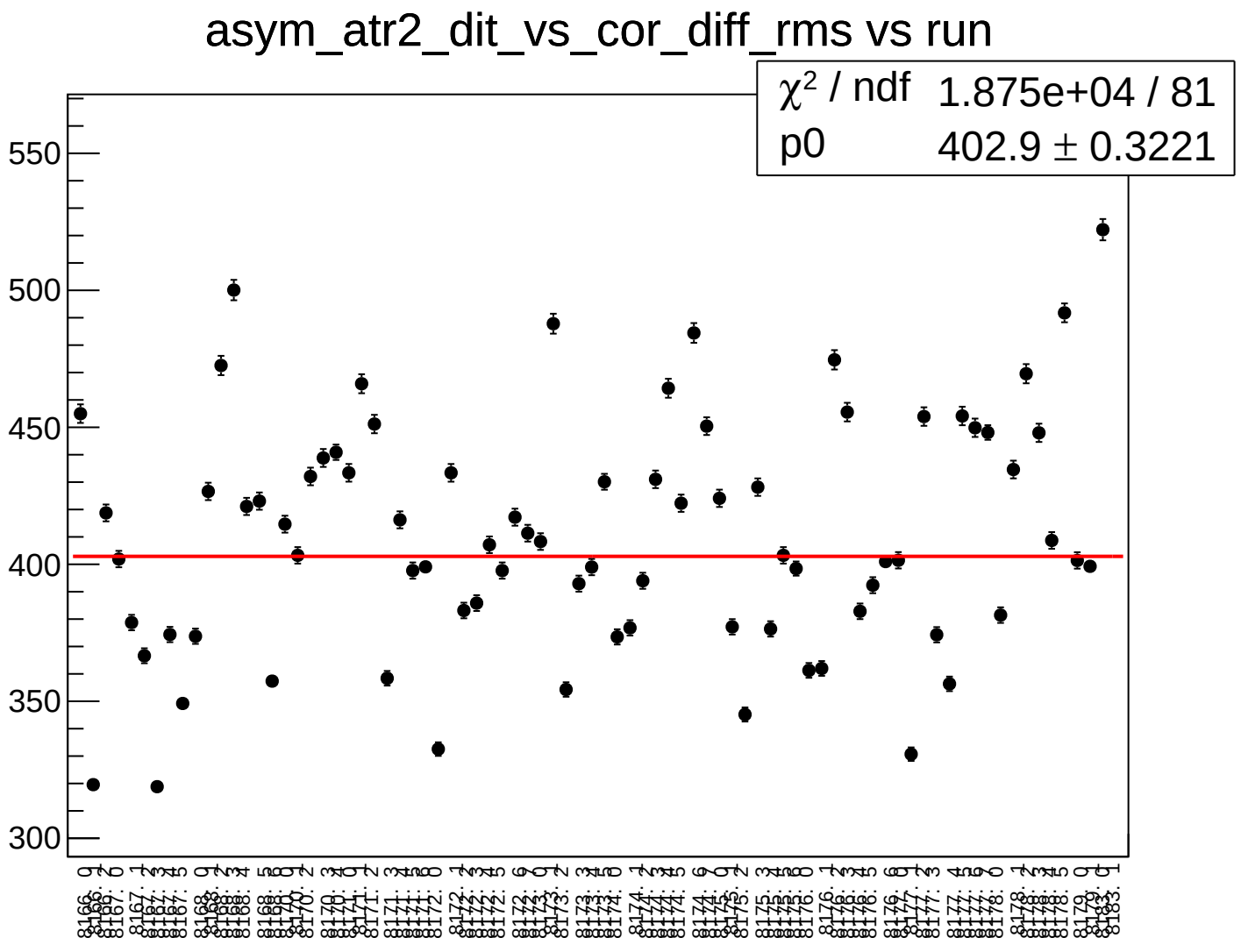

asym_atr2_rms vs run
χ² / ndf 1039 / 81
p0 1.364e+04 ± 10.84
15500
15000
14500
14000
13500
13000

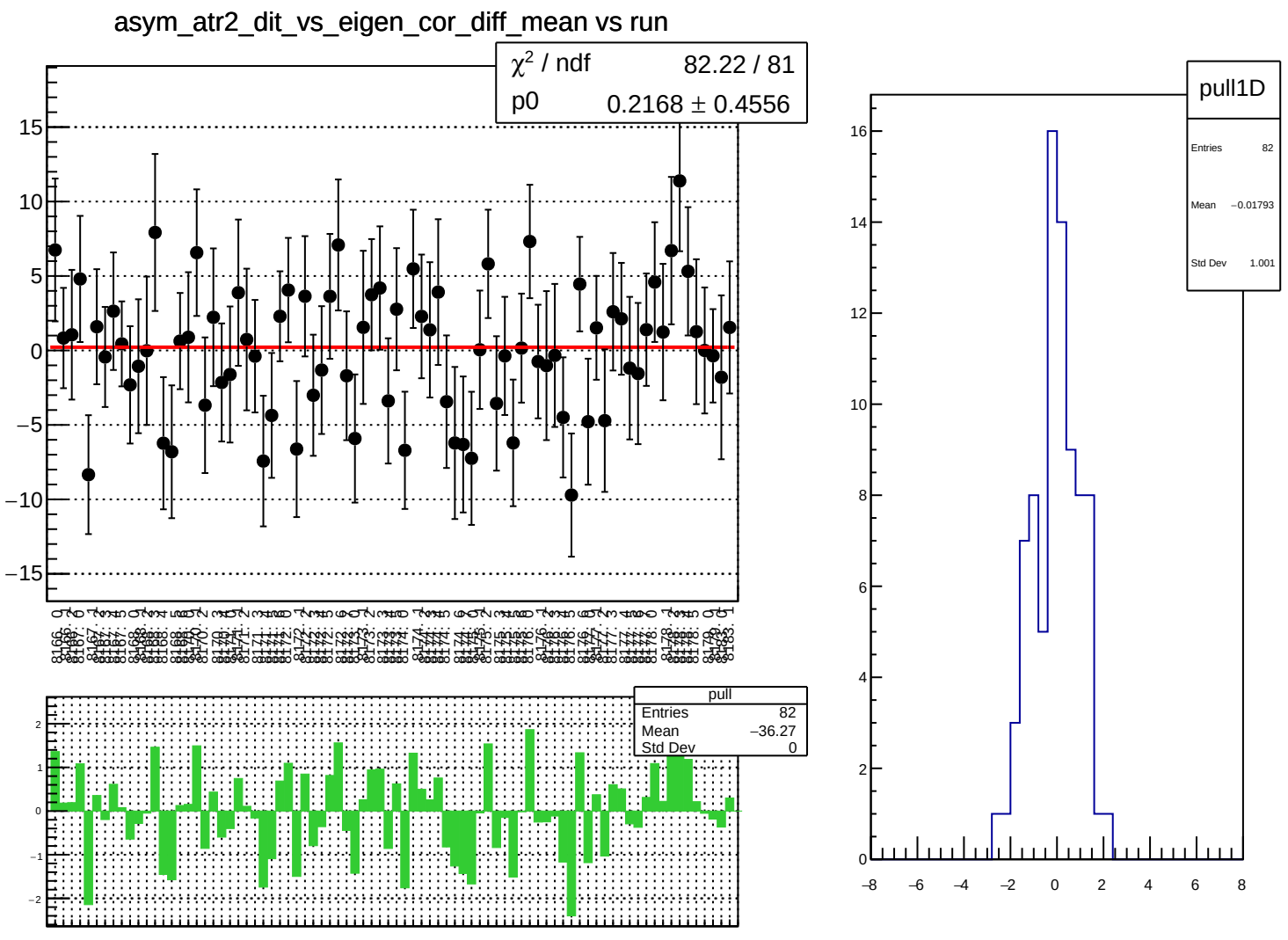

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 94.62 / 81
p0 −1.788e−13 ± 1.218e−12
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 82
Mean 1359
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.004335
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

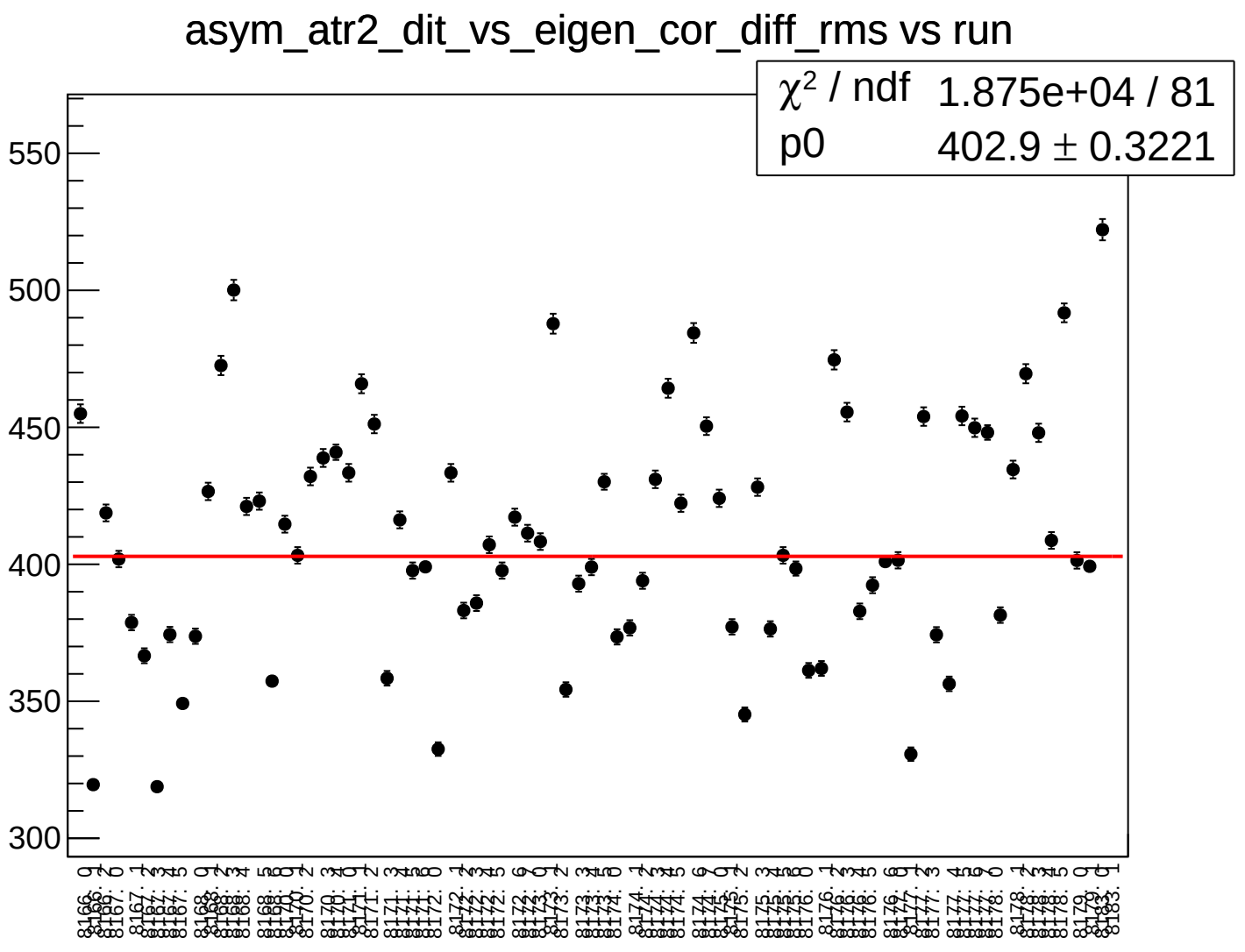

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.924e+05 / 81
p0 7.66e−10 ± 8.615e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

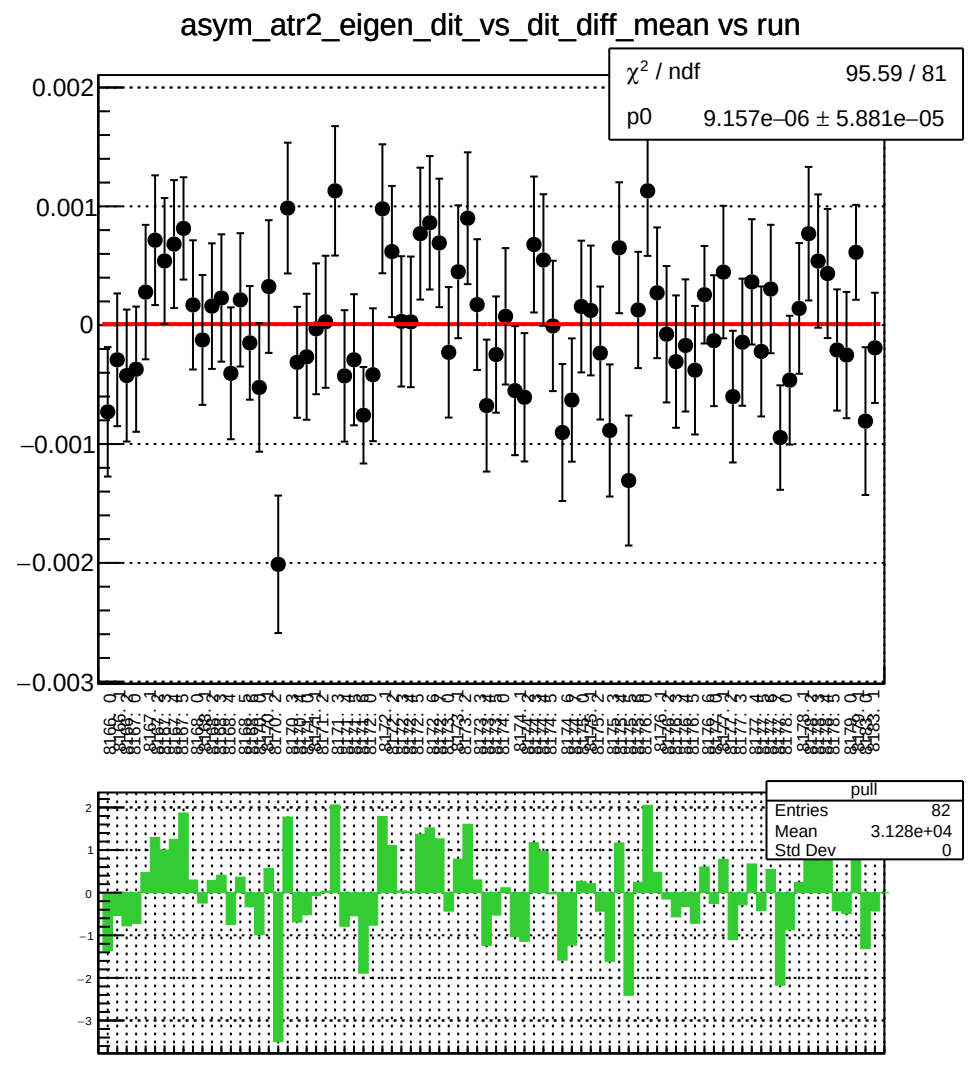

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 82.22 / 81
p0 0.2168 ± 0.4556
pull
Entries 82
Mean −36.27
Std Dev 0

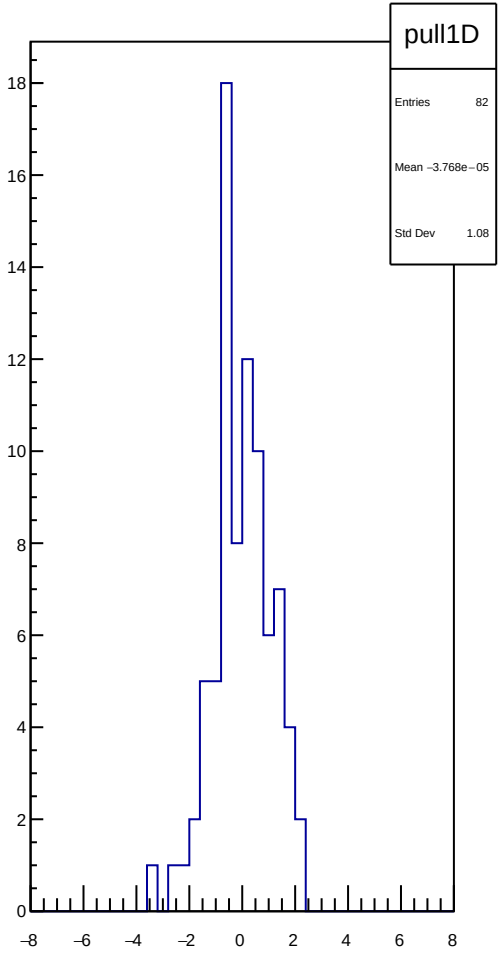

pull1D
Entries 82
Mean −0.01793
Std Dev 1.001

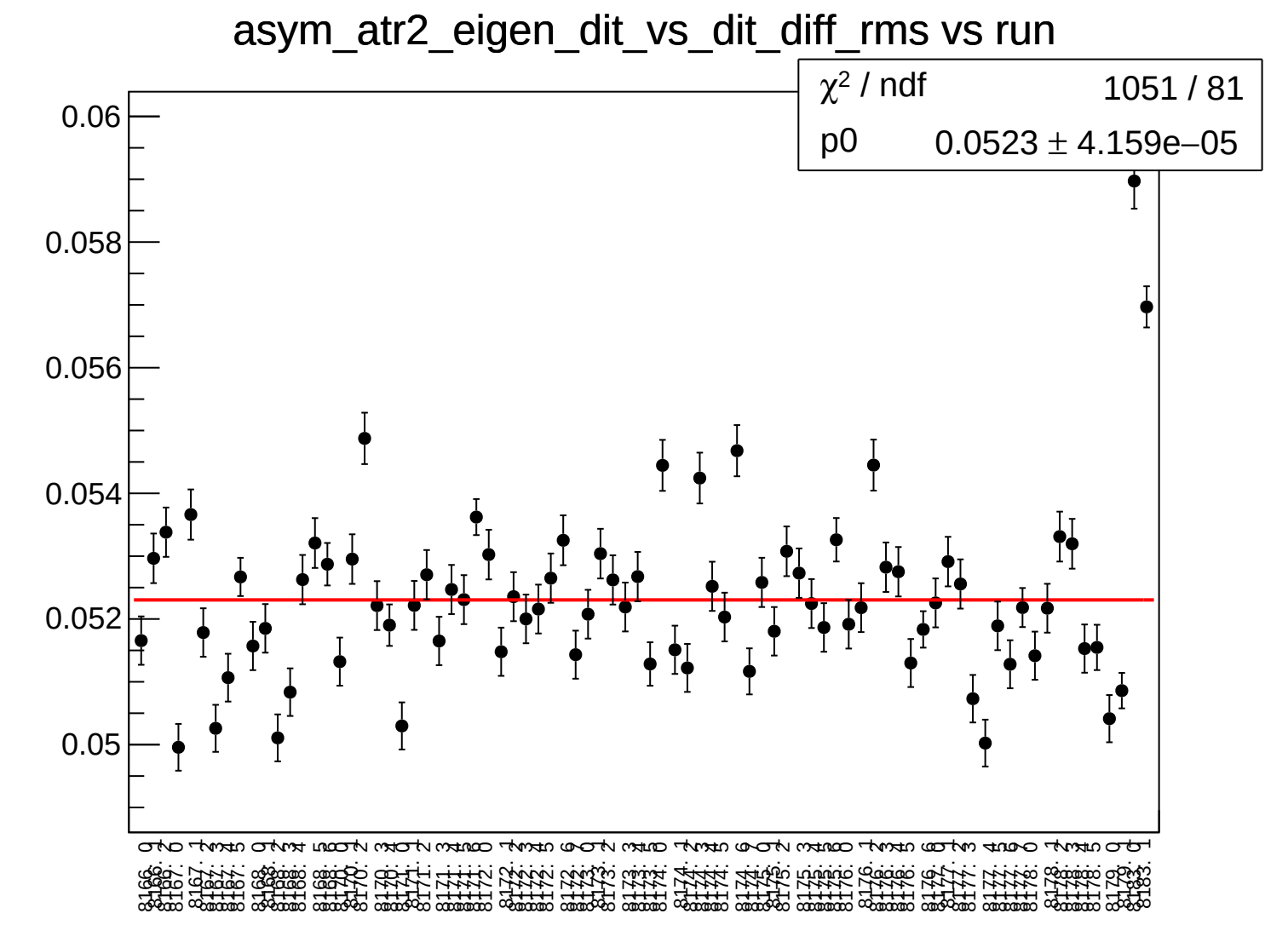

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.875e+04 / 81
p0 402.9 ± 0.3221
550
500
450
400
350
300

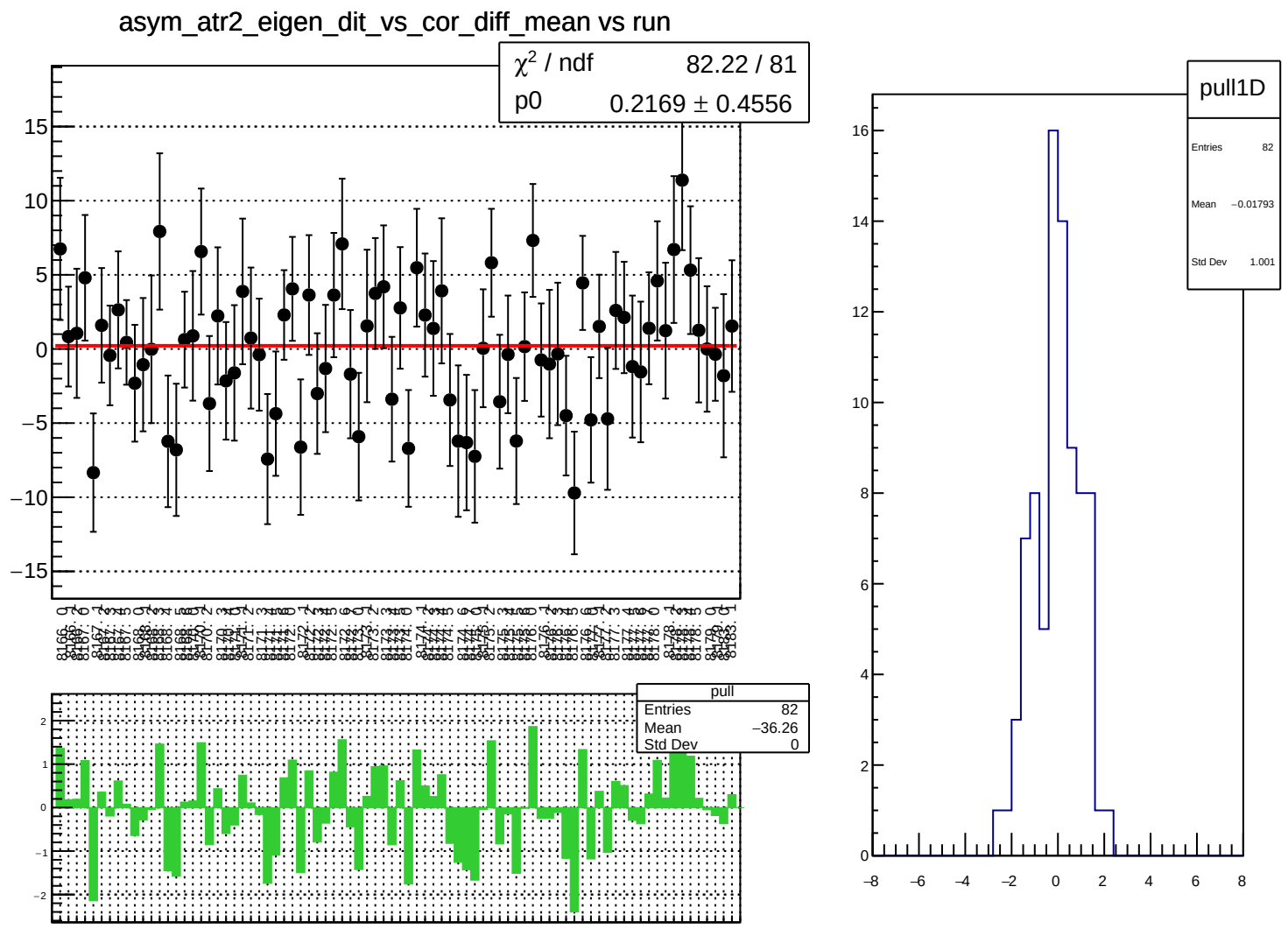

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.22 / 81
p0 0.2168 ± 0.4556
pull
Entries 82
Mean −36.27
Std Dev 0
pull1D
Entries 82
Mean −0.01793
Std Dev 1.001

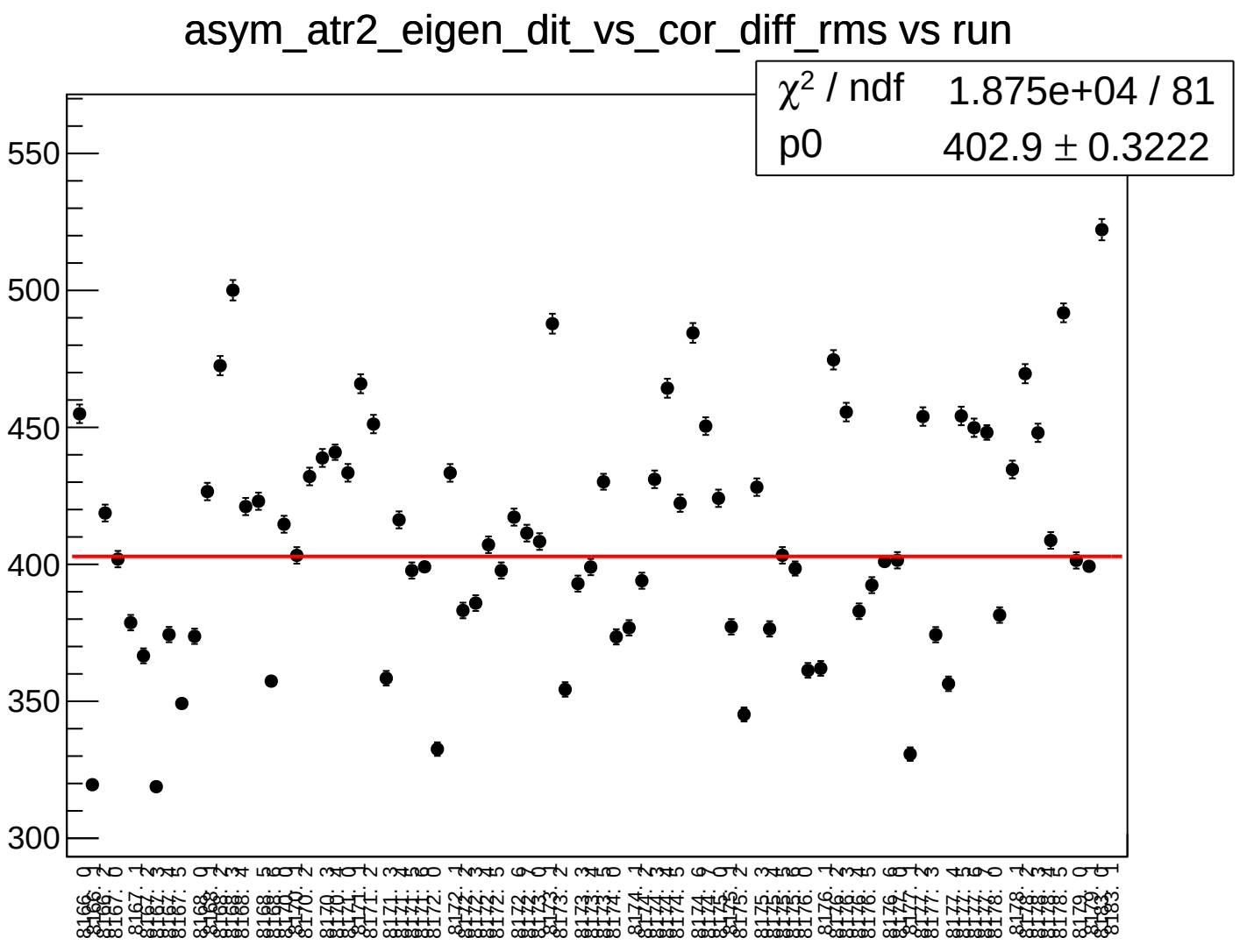

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.875e+04 / 81
p0 402.9 ± 0.3221
550
500
450
400
350
300

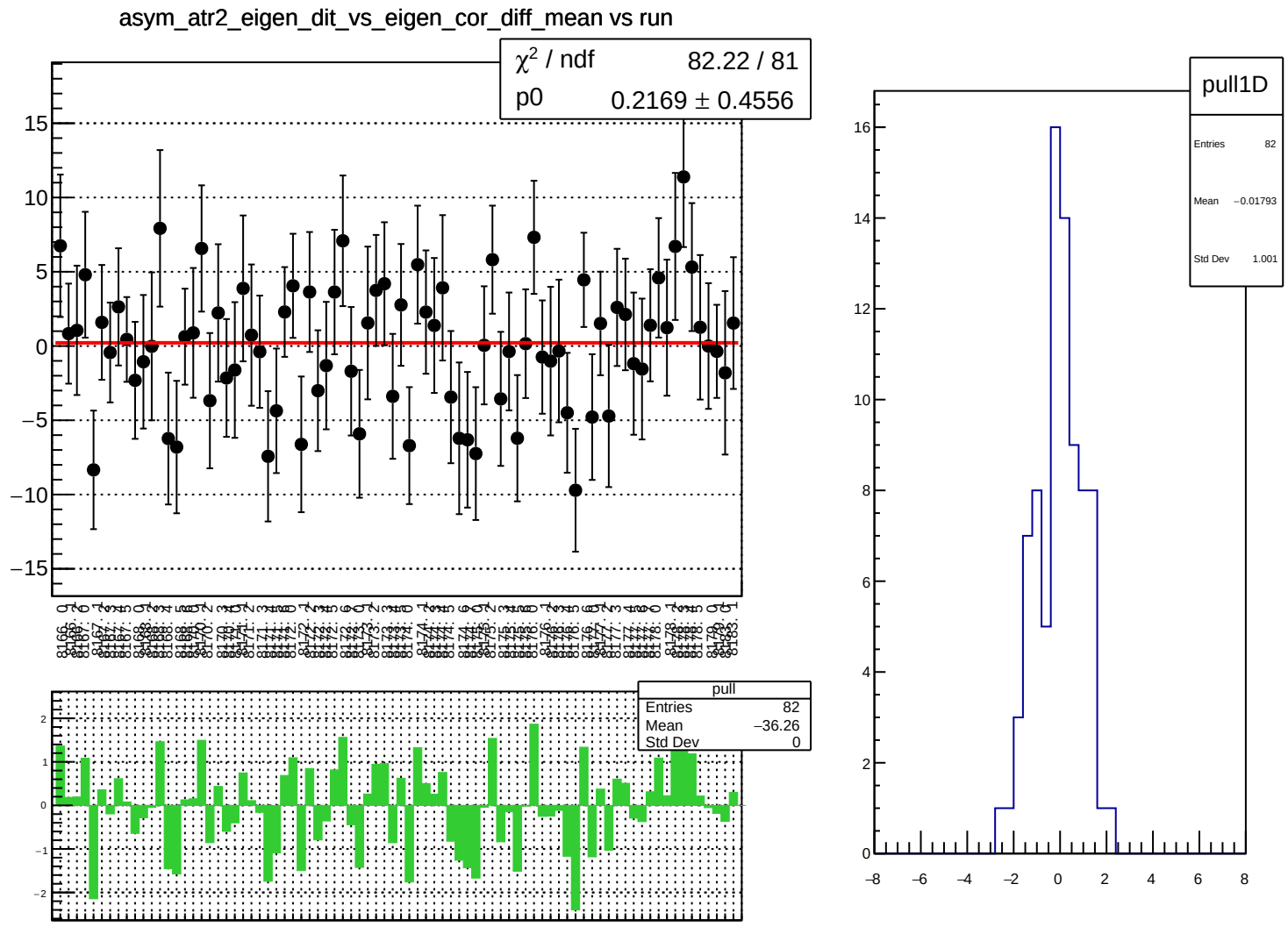

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.59 / 81
p0 9.157e−06 ± 5.881e−05
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 82
Mean 3.128e+04
Std Dev 0
2
1
0
−1
−2
−3

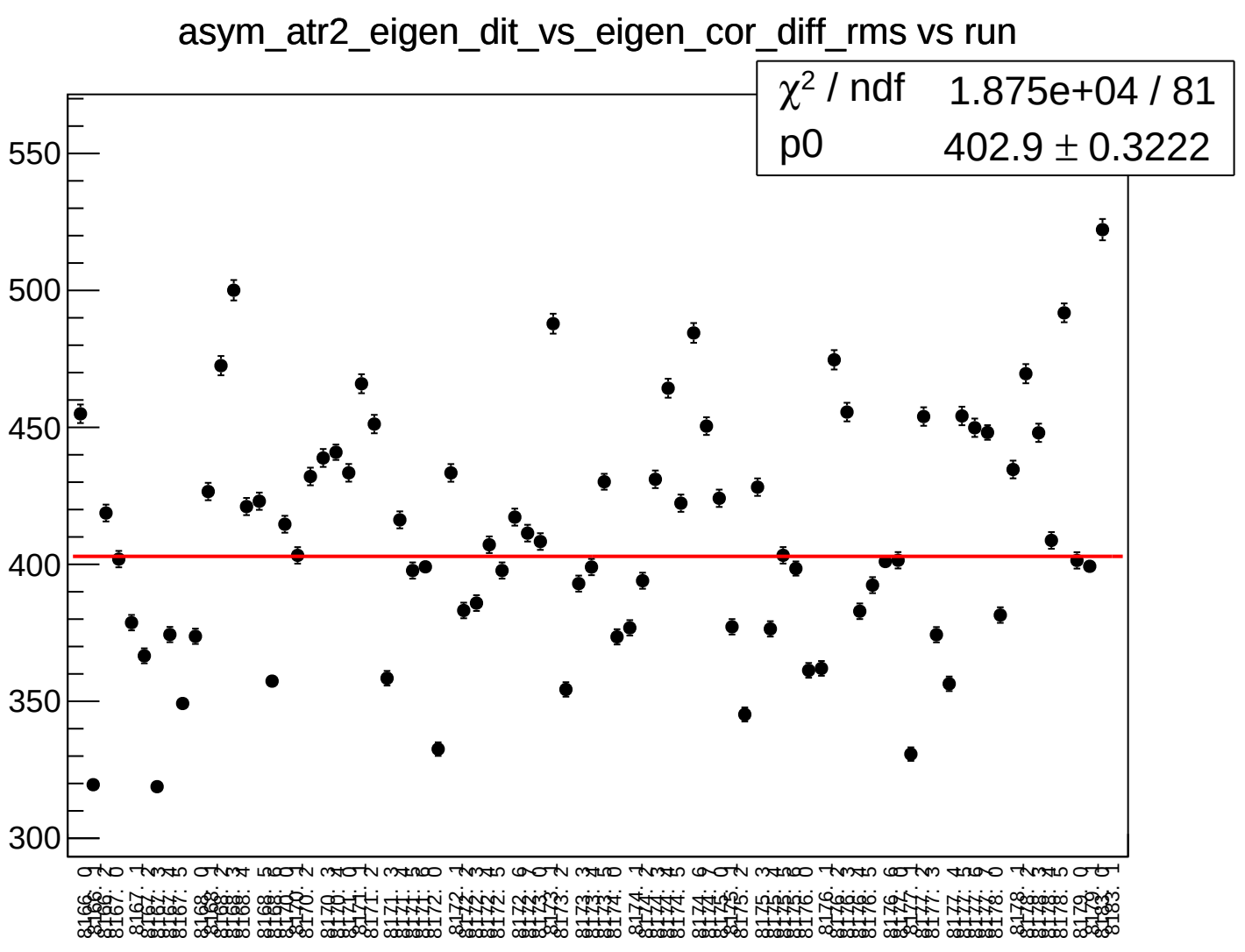

pull1D
Entries 82
Mean −3.768e−05
Std Dev 1.08
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

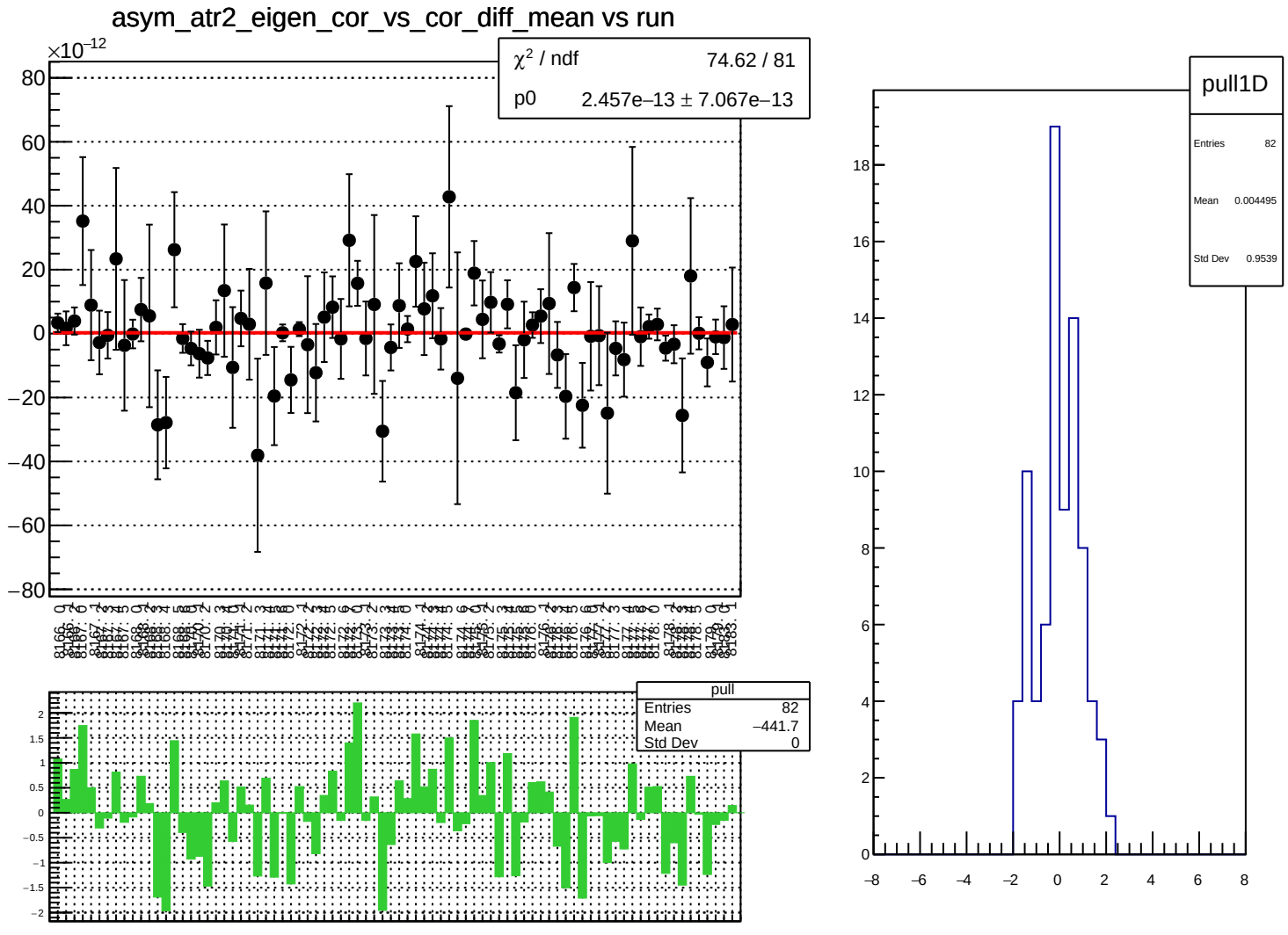

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1051 / 81
p0 0.0523 ± 4.159e−05
0.06
0.058
0.056
0.054
0.052
0.05

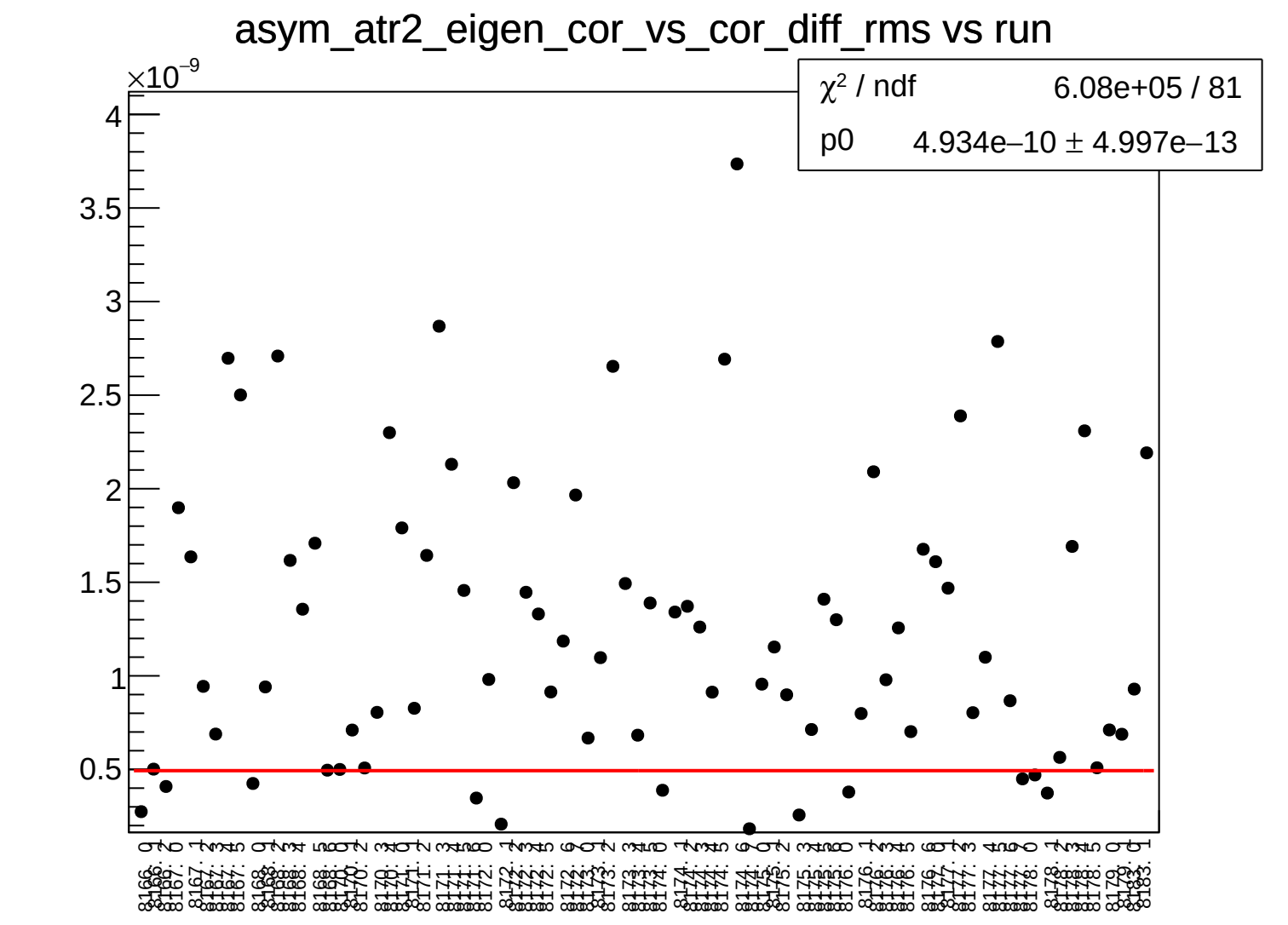

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.22 / 81
p0 0.2169 ± 0.4556
pull
Entries 82
Mean −36.26
Std Dev 0
pull1D
Entries 82
Mean −0.01793
Std Dev 1.001

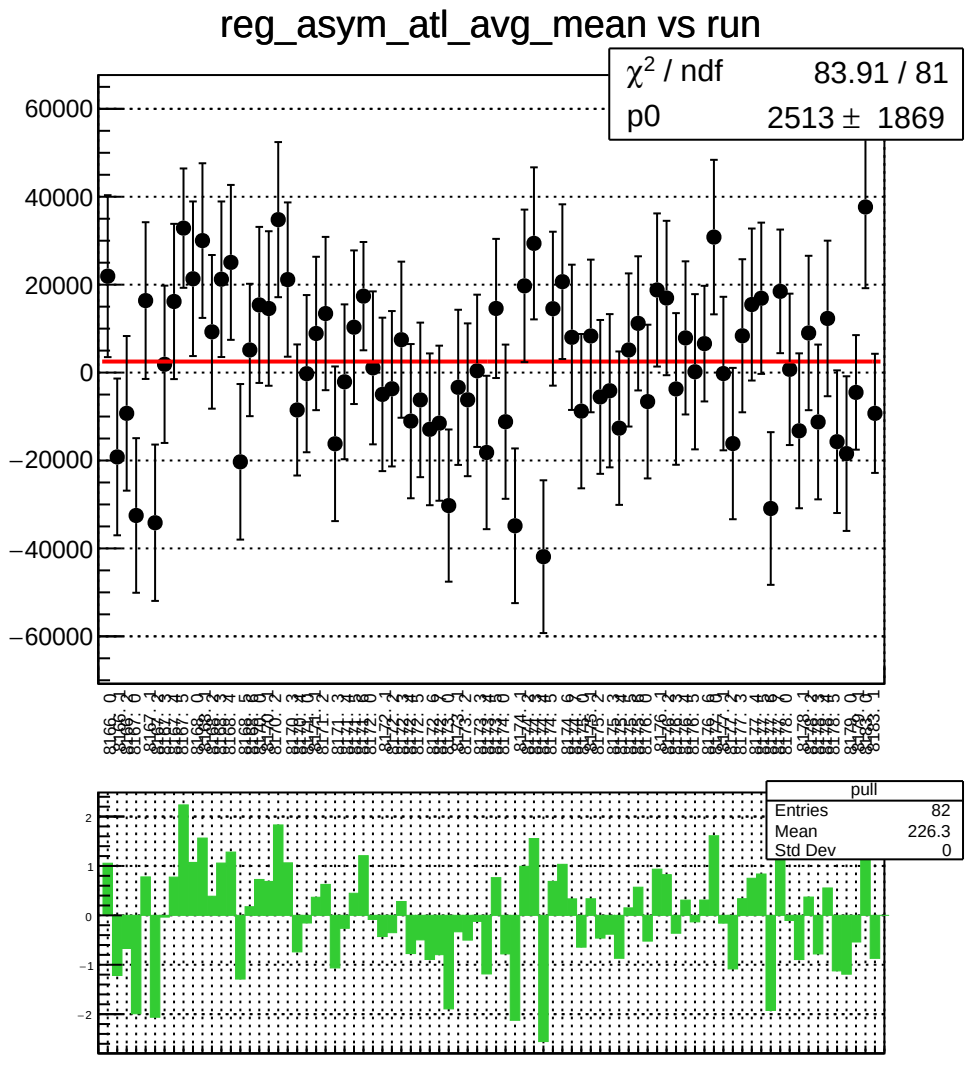

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.875e+04 / 81
p0 402.9 ± 0.3222
550
500
450
400
350
300

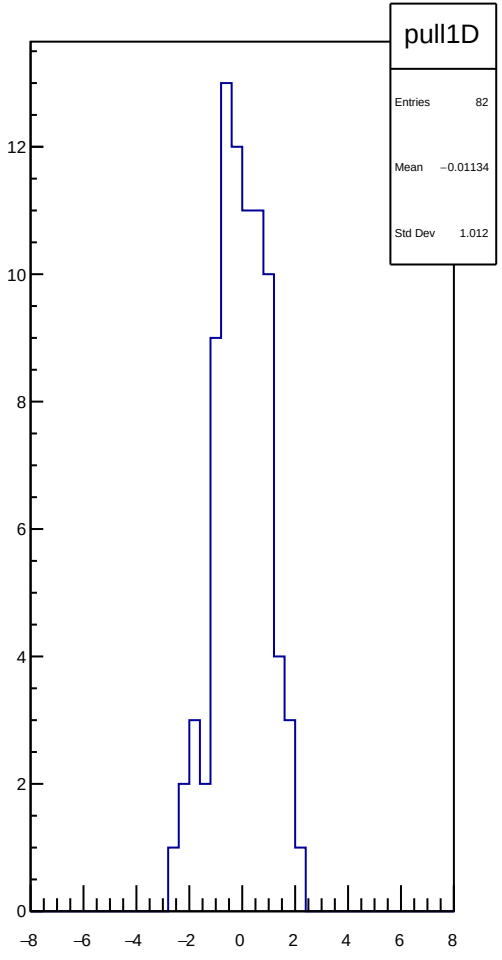

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.22 / 81
p0 0.2169 ± 0.4556
pull
Entries 82
Mean −36.26
Std Dev 0
pull1D
Entries 82
Mean −0.01793
Std Dev 1.001

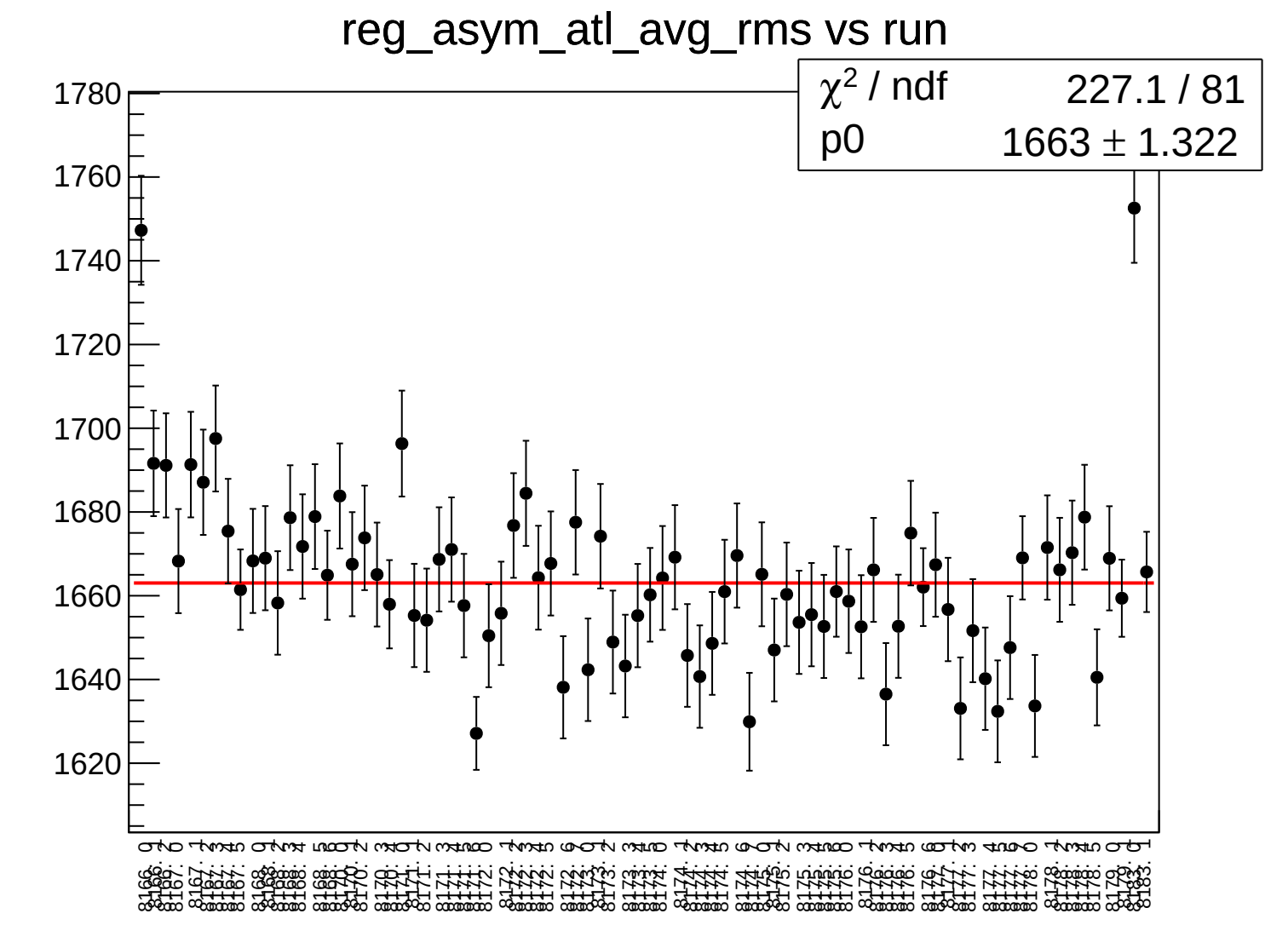

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.875e+04 / 81
p0 402.9 ± 0.3222
550
500
450
400
350
300

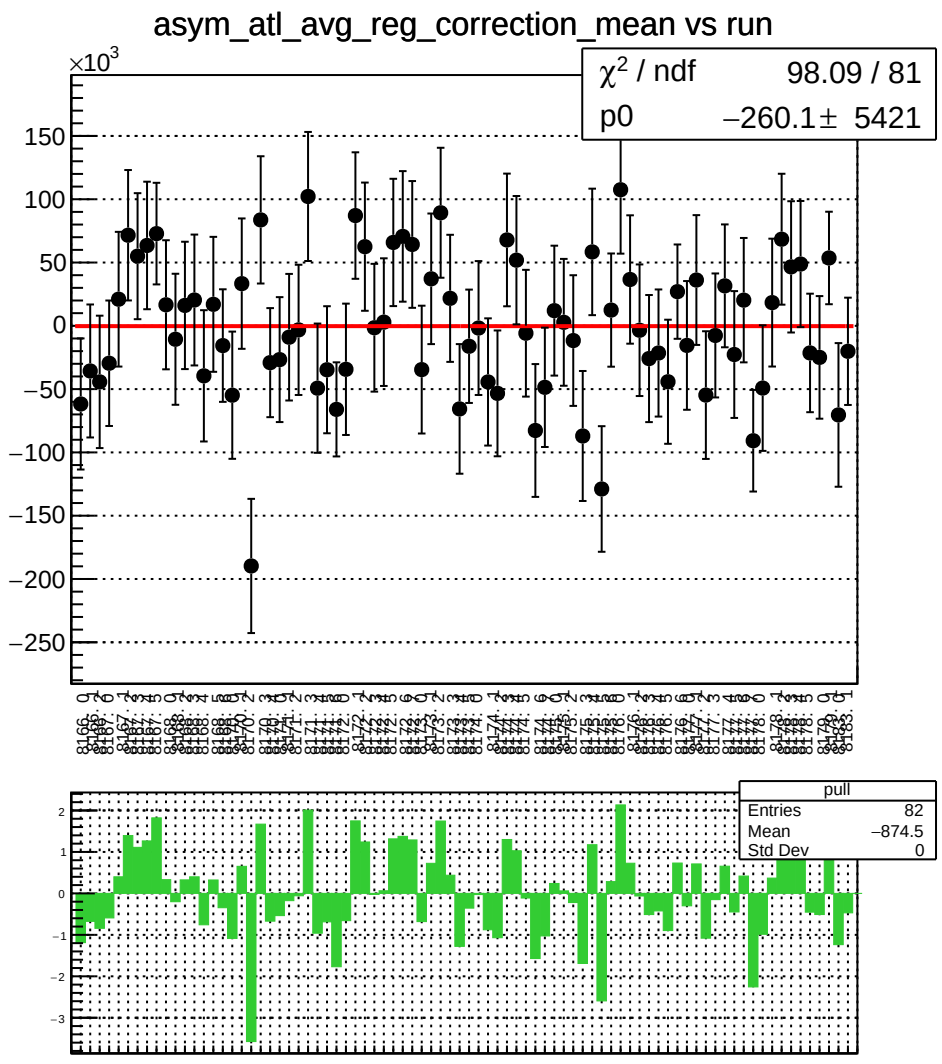

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.62 / 81
p0 2.457e−13 ± 7.067e−13
pull
Entries 82
Mean −441.7
Std Dev 0
pull1D
Entries 82
Mean 0.004495
Std Dev 0.9539

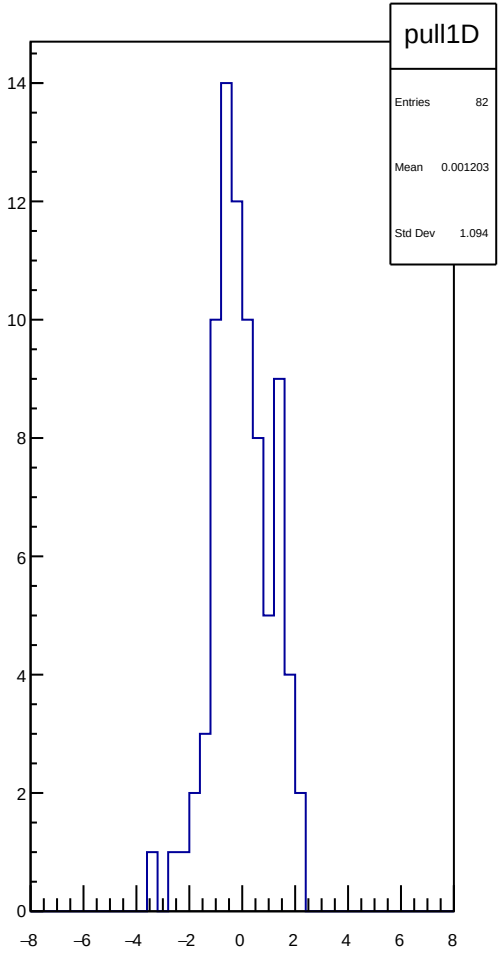

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.08e+05 / 81
p0 4.934e−10 ± 4.997e−13
4
3.5
3
2.5
2
1.5
1
0.5

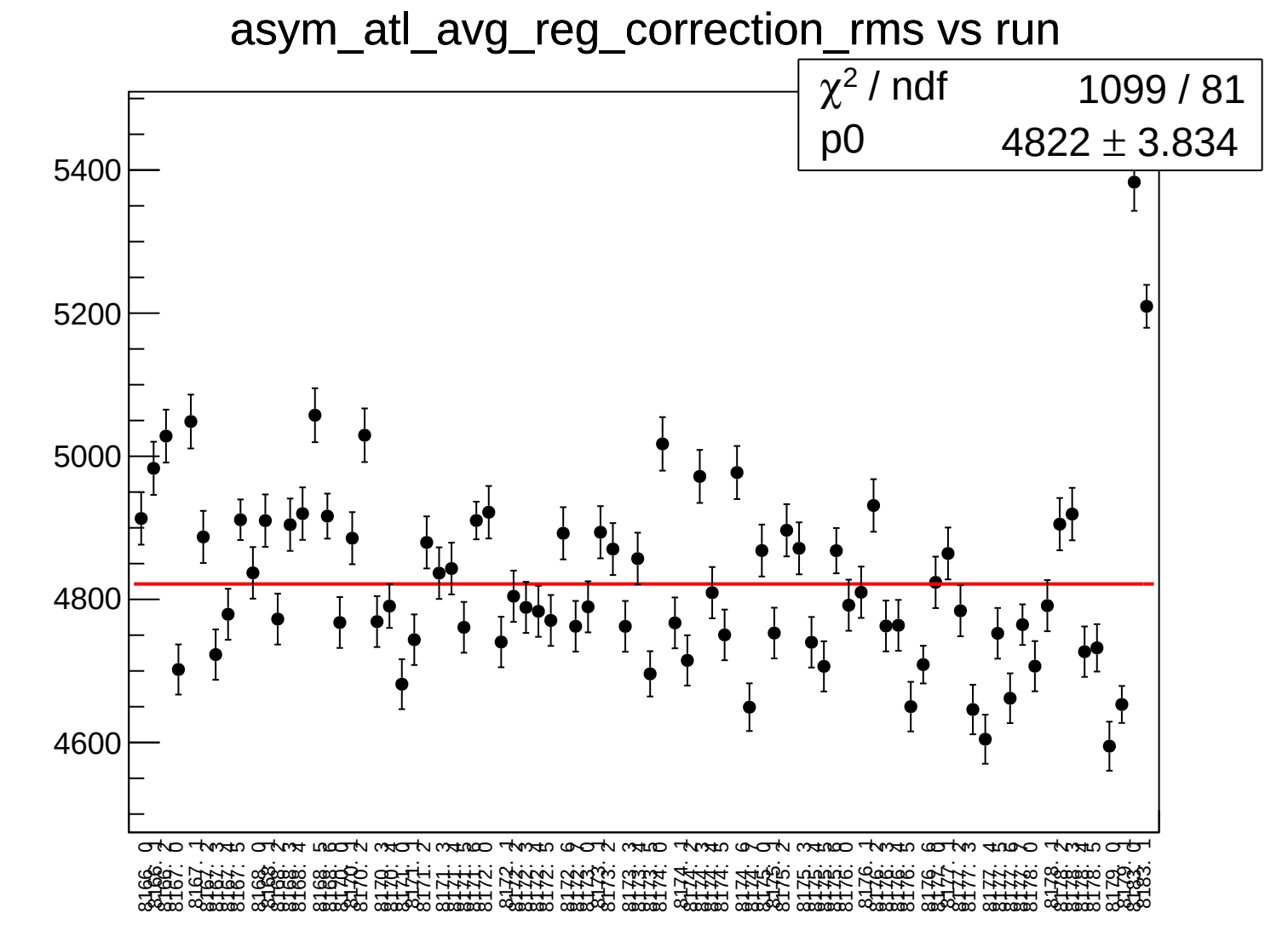

reg_asym_atl_avg_mean vs run
χ² / ndf 83.91 / 81
p0 2513 ± 1869
pull
Entries 82
Mean 226.3
Std Dev 0

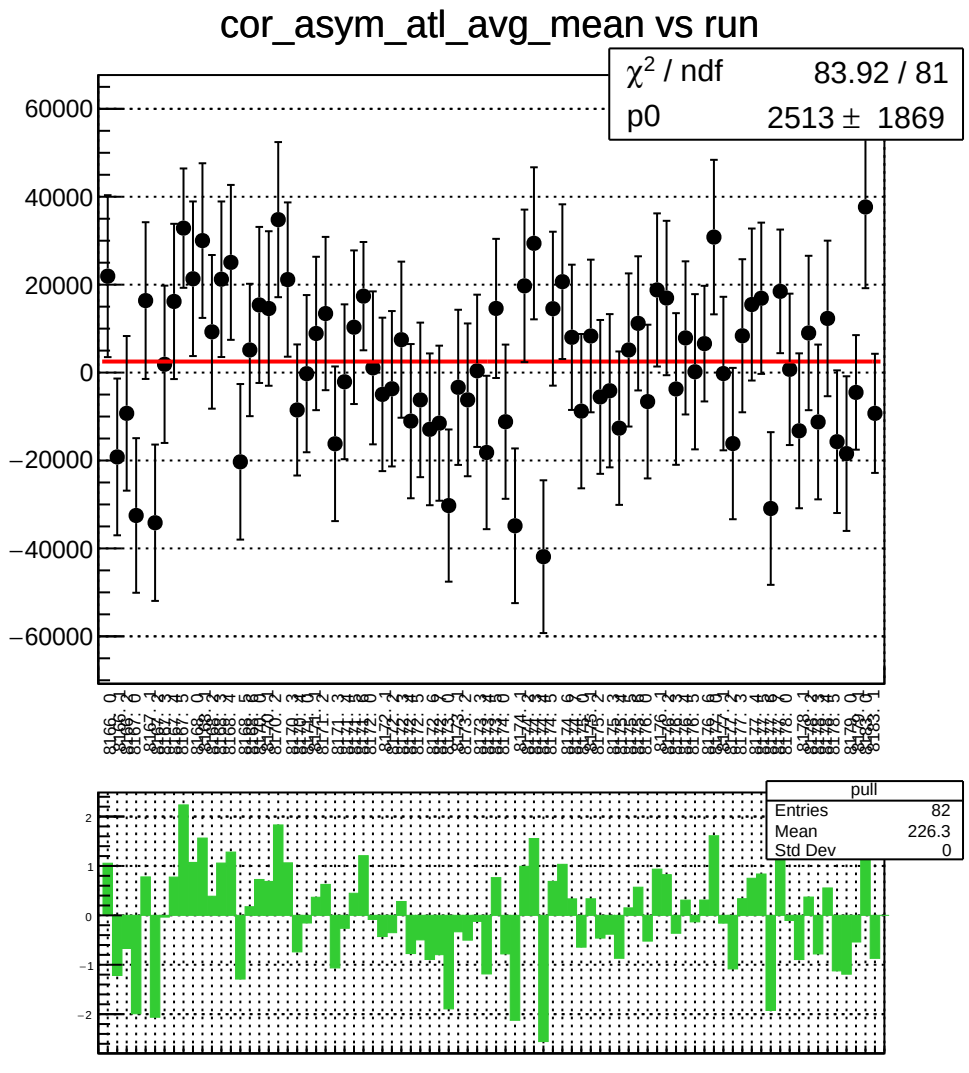

pull1D
Entries 82
Mean −0.01134
Std Dev 1.012

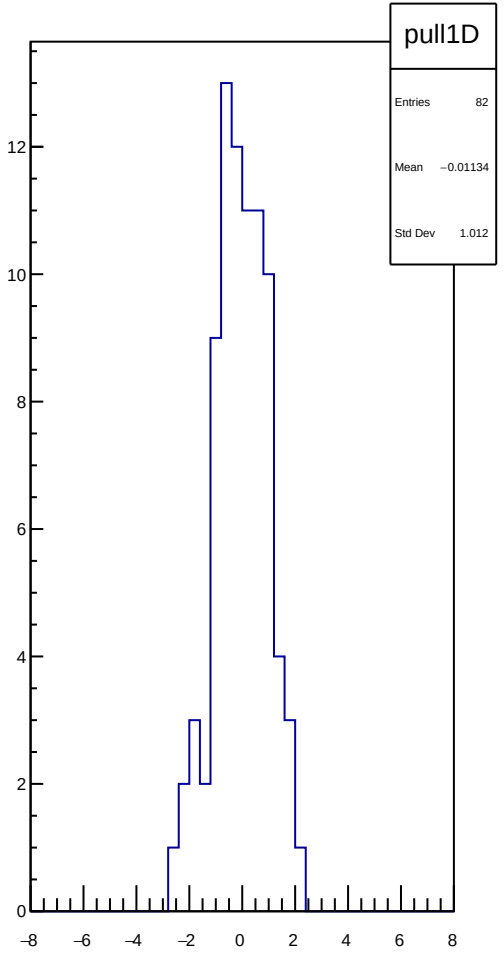

reg_asym_atl_avg_rms vs run
χ^2 / ndf 227.1 / 81
p0 1663 ± 1.322
1780
1760
1740
1720
1700
1680
1660
1640
1620

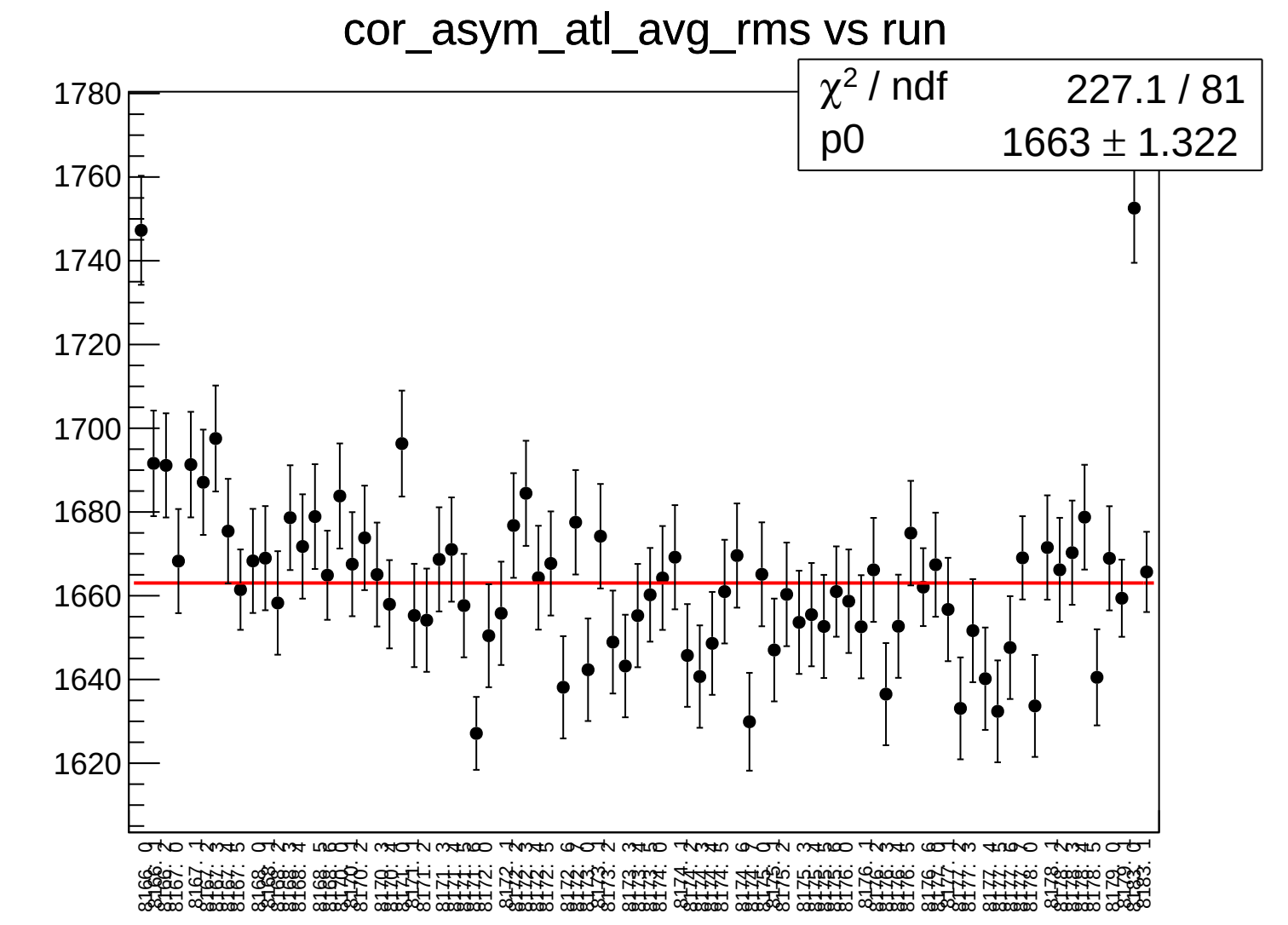

asym_atl_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 98.09 / 81
p0 −260.1± 5421
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −874.5
Std Dev 0
2
1
0
−1
−2
−3

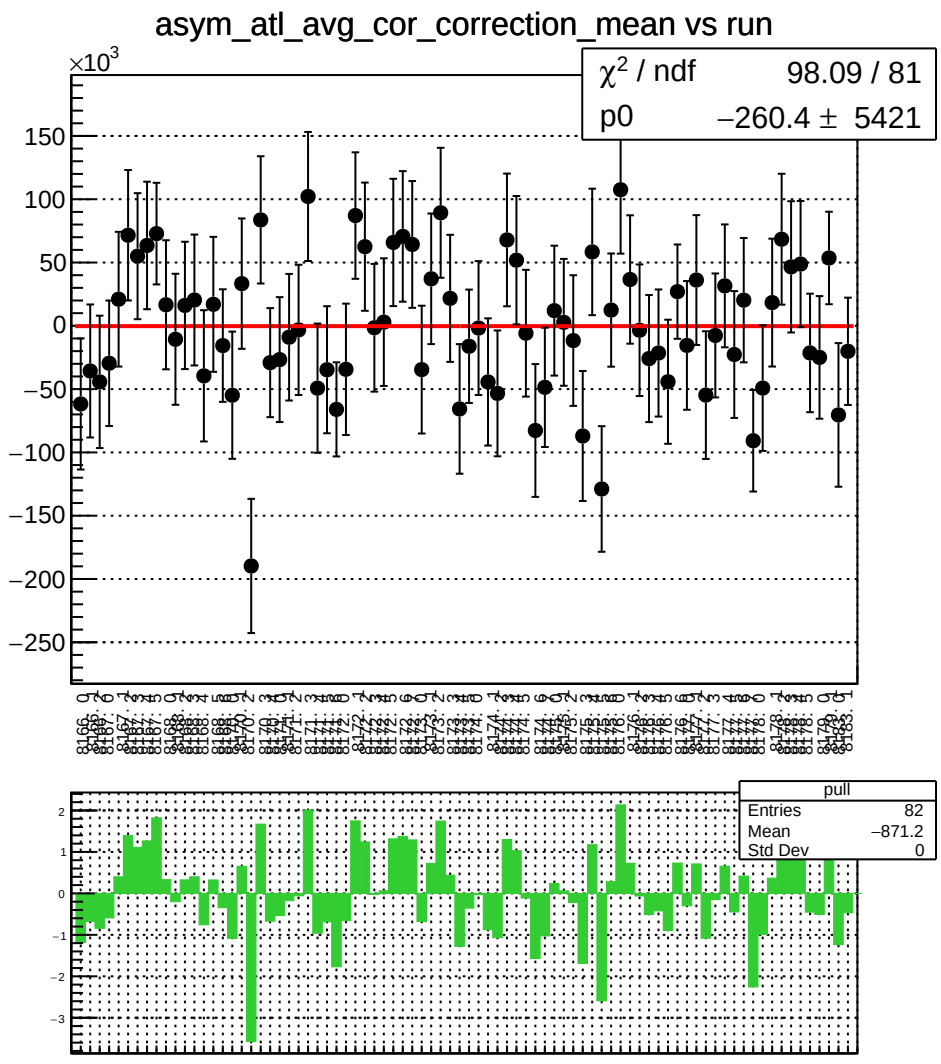

pull1D
Entries 82
Mean 0.001203
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

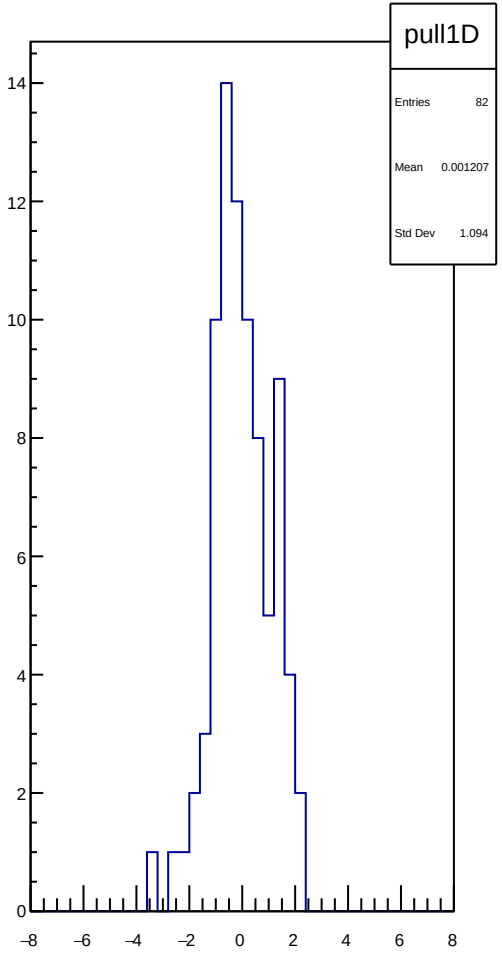

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1099 / 81
p0 4822 ± 3.834
5400
5200
5000
4800
4600

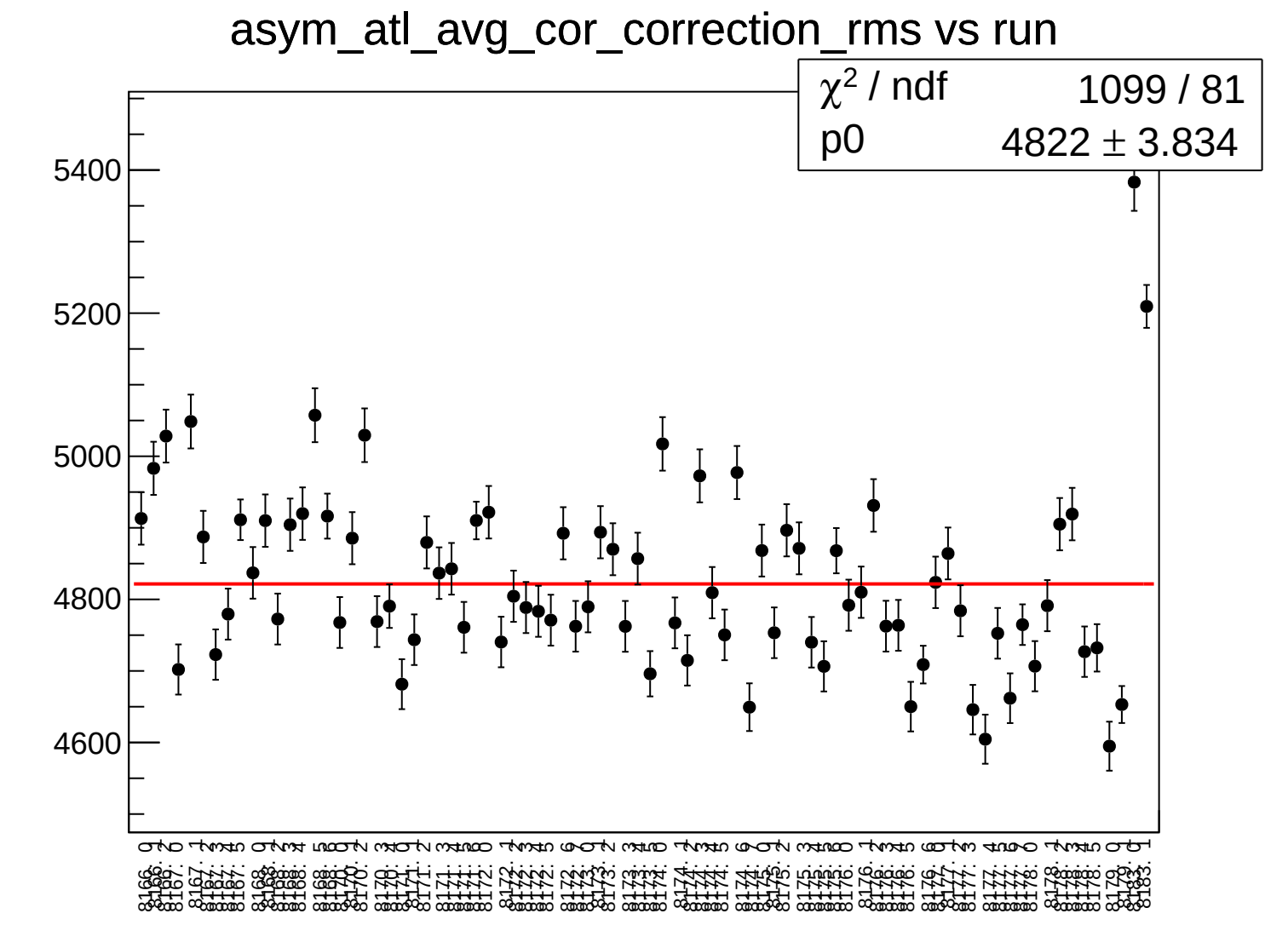

cor_asym_atl_avg_mean vs run
χ² / ndf 83.92 / 81
p0 2513 ± 1869
pull
Entries 82
Mean 226.3
Std Dev 0

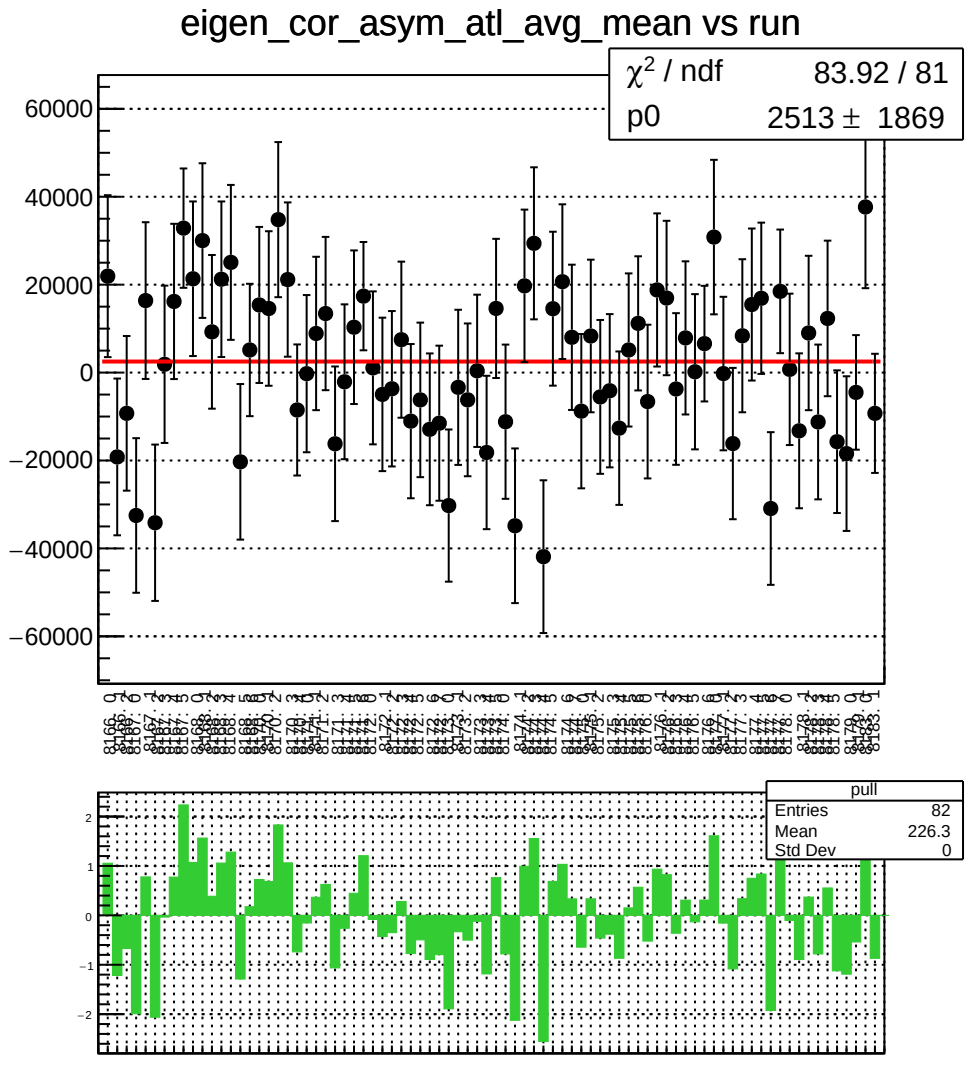

pull1D
Entries 82
Mean −0.01134
Std Dev 1.012

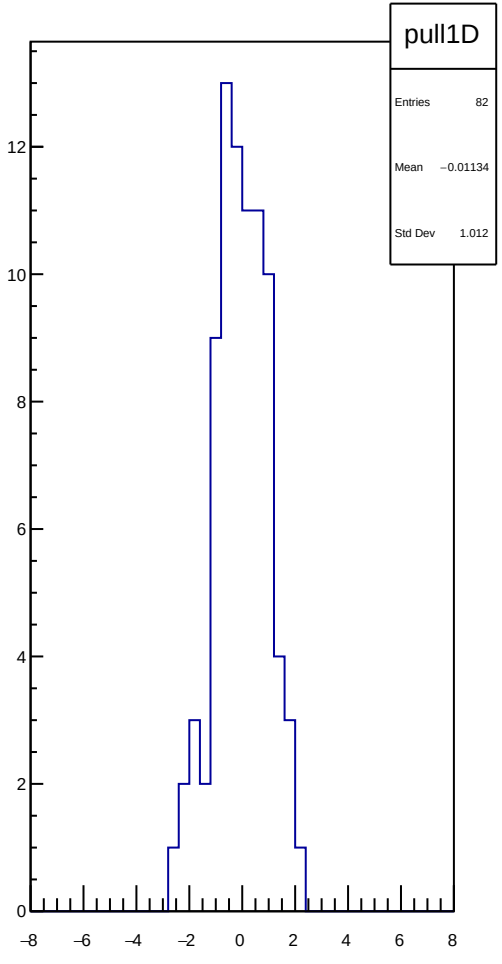

cor_asym_atl_avg_rms vs run
χ^2 / ndf 227.1 / 81
p0 1663 ± 1.322
1780
1760
1740
1720
1700
1680
1660
1640
1620

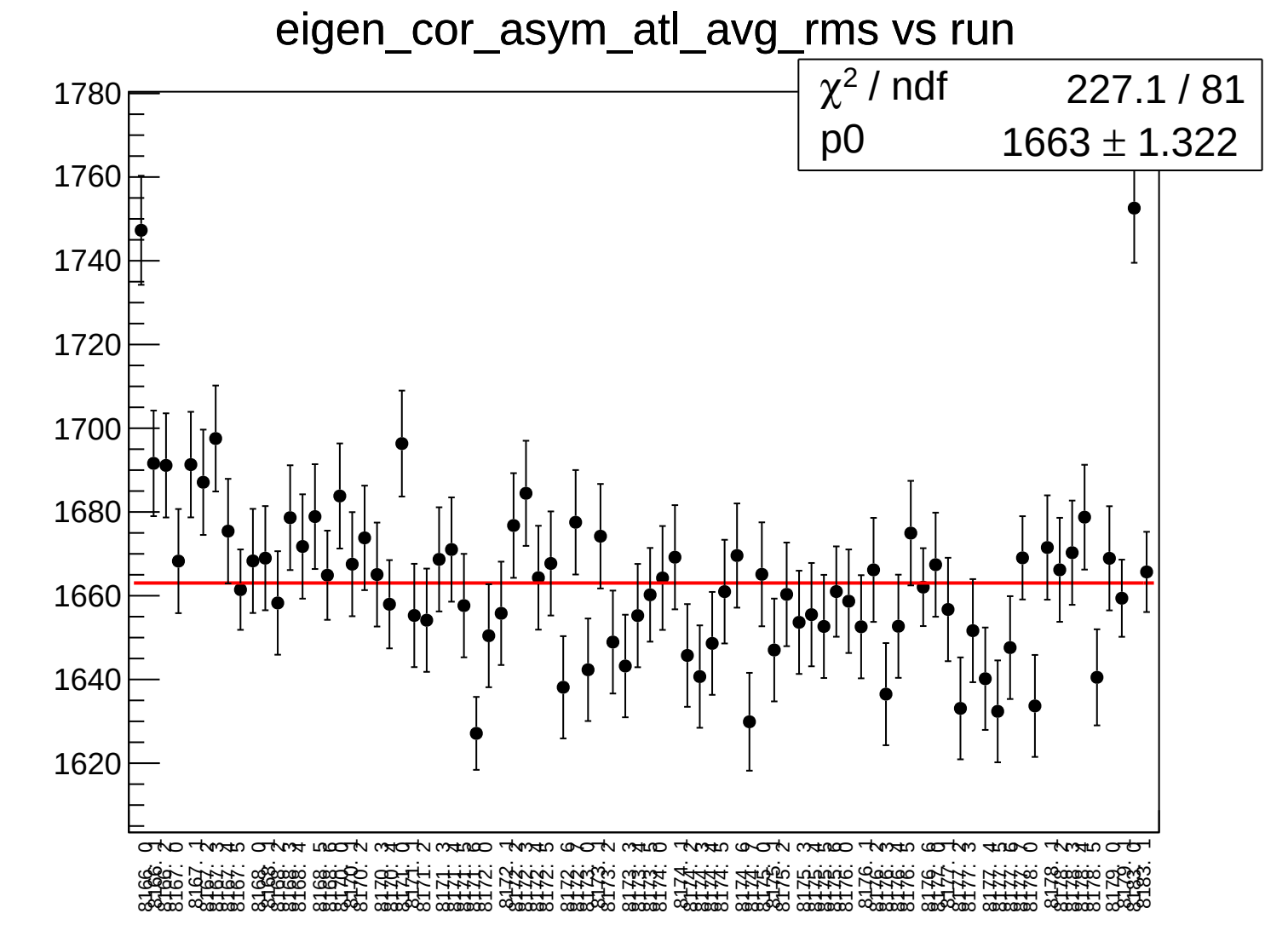

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 98.09 / 81
p0 −260.4 ± 5421
×10³
pull
Entries 82
Mean −871.2
Std Dev 0

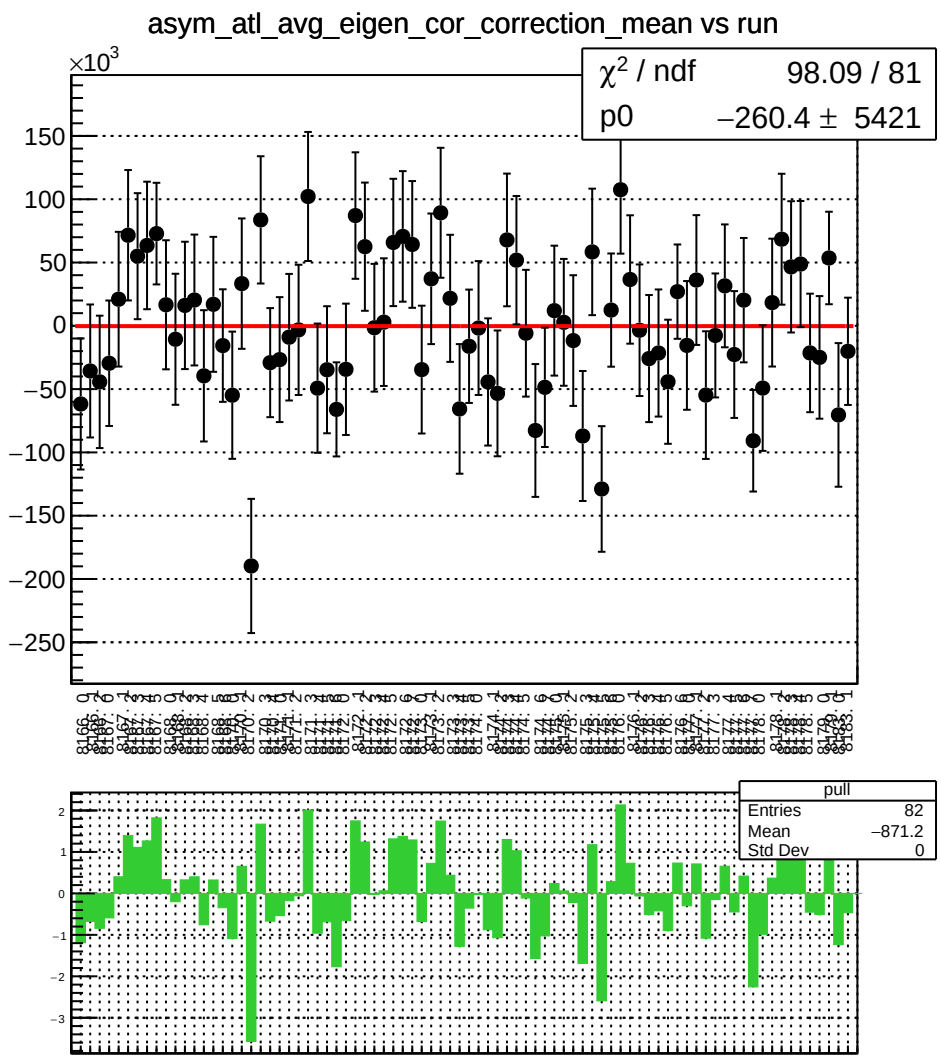

pull1D
Entries 82
Mean 0.001207
Std Dev 1.094

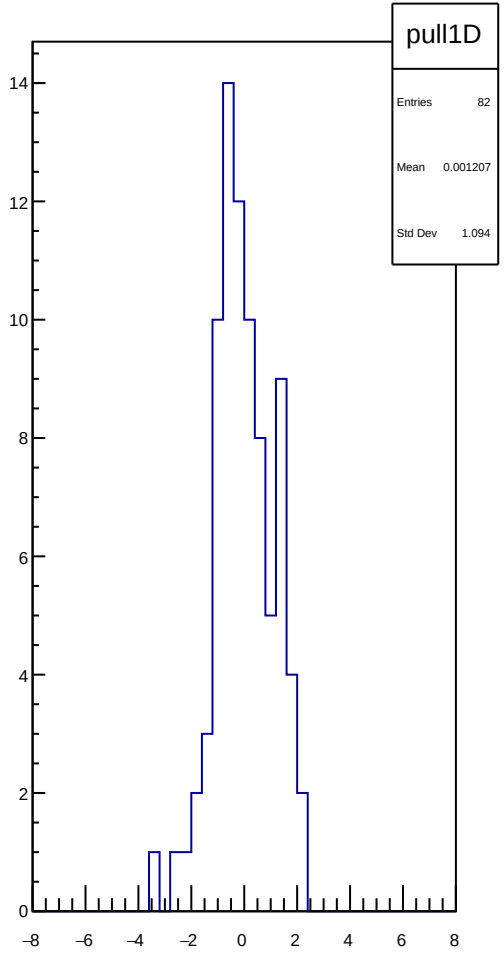

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1099 / 81
p0 4822 ± 3.834
5400
5200
5000
4800
4600

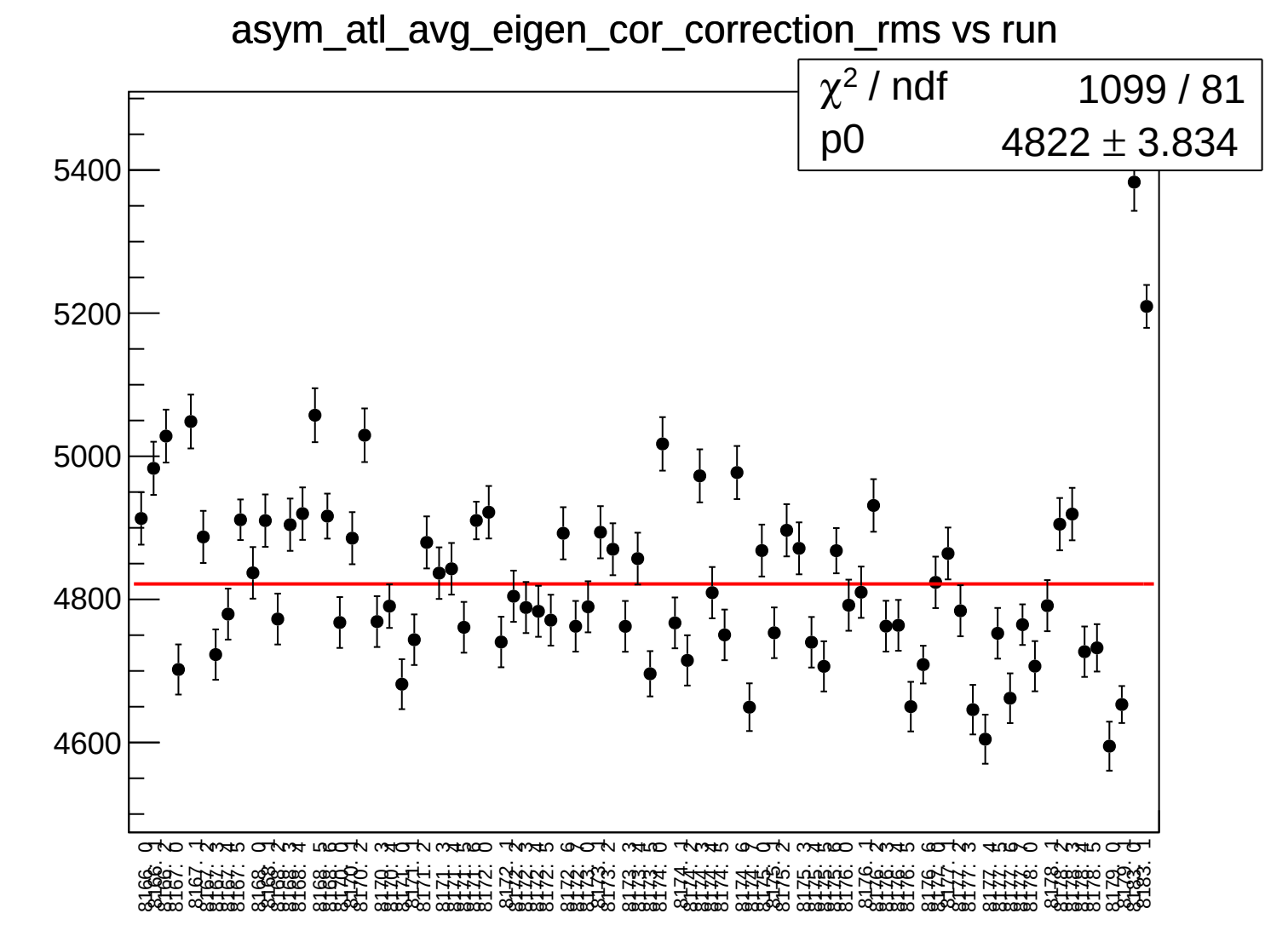

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 83.92 / 81
p0 2513 ± 1869
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 226.3
Std Dev 0
2
1
0
−1
−2

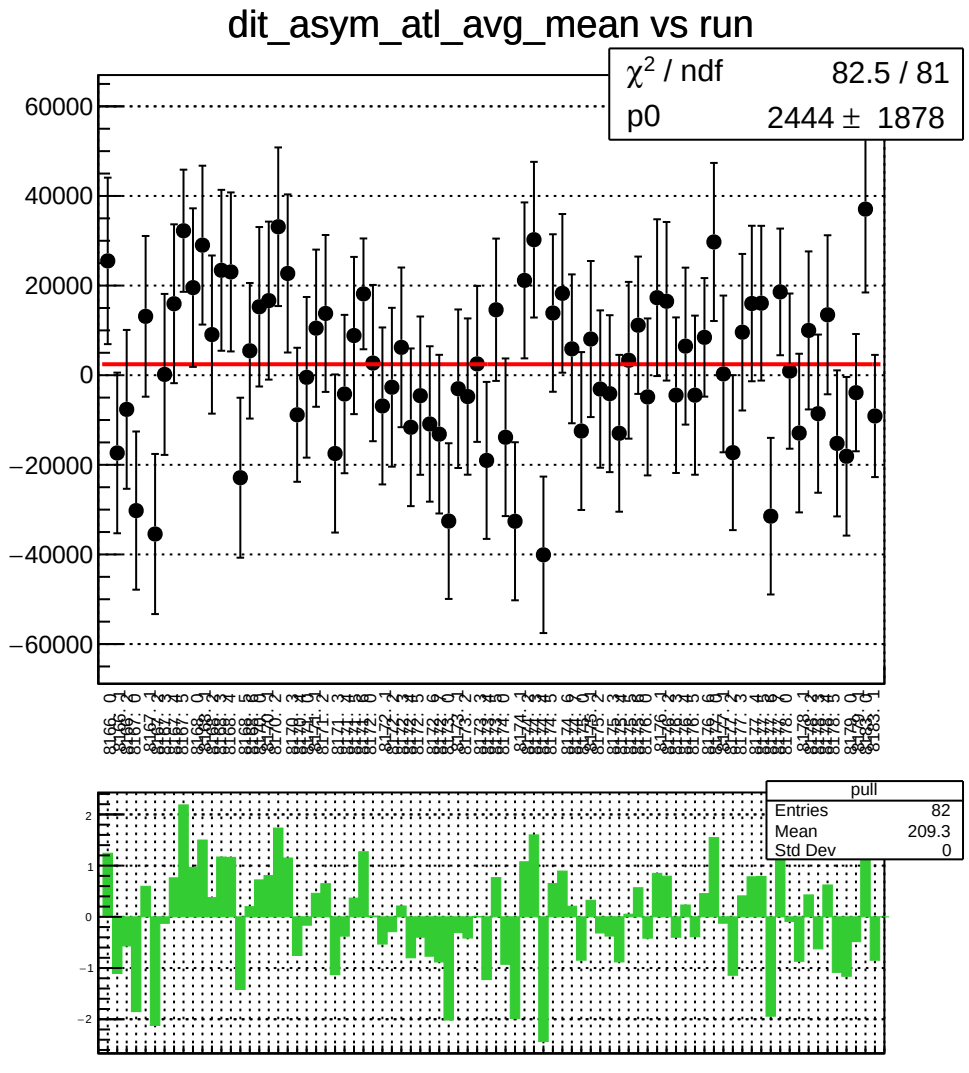

pull1D
Entries 82
Mean −0.01134
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

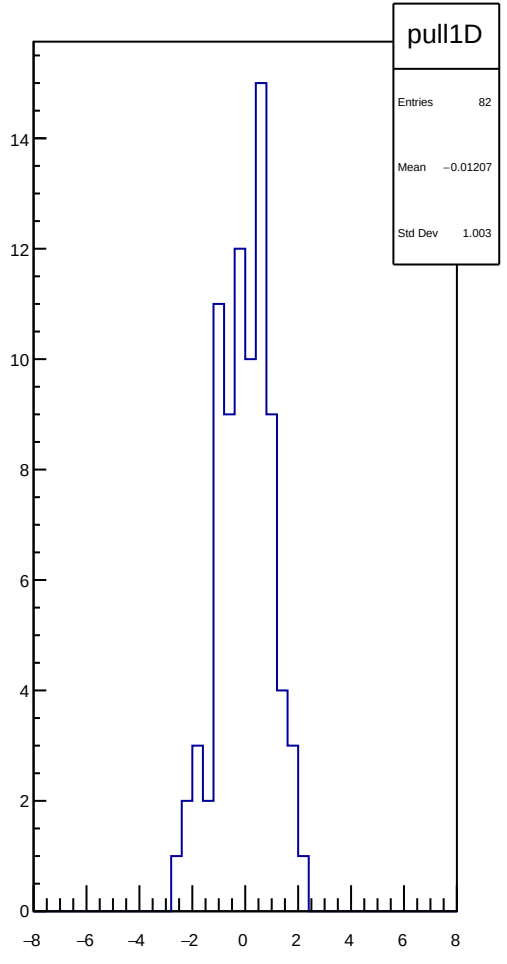

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 227.1 / 81
p0 1663 ± 1.322
1780
1760
1740
1720
1700
1680
1660
1640
1620

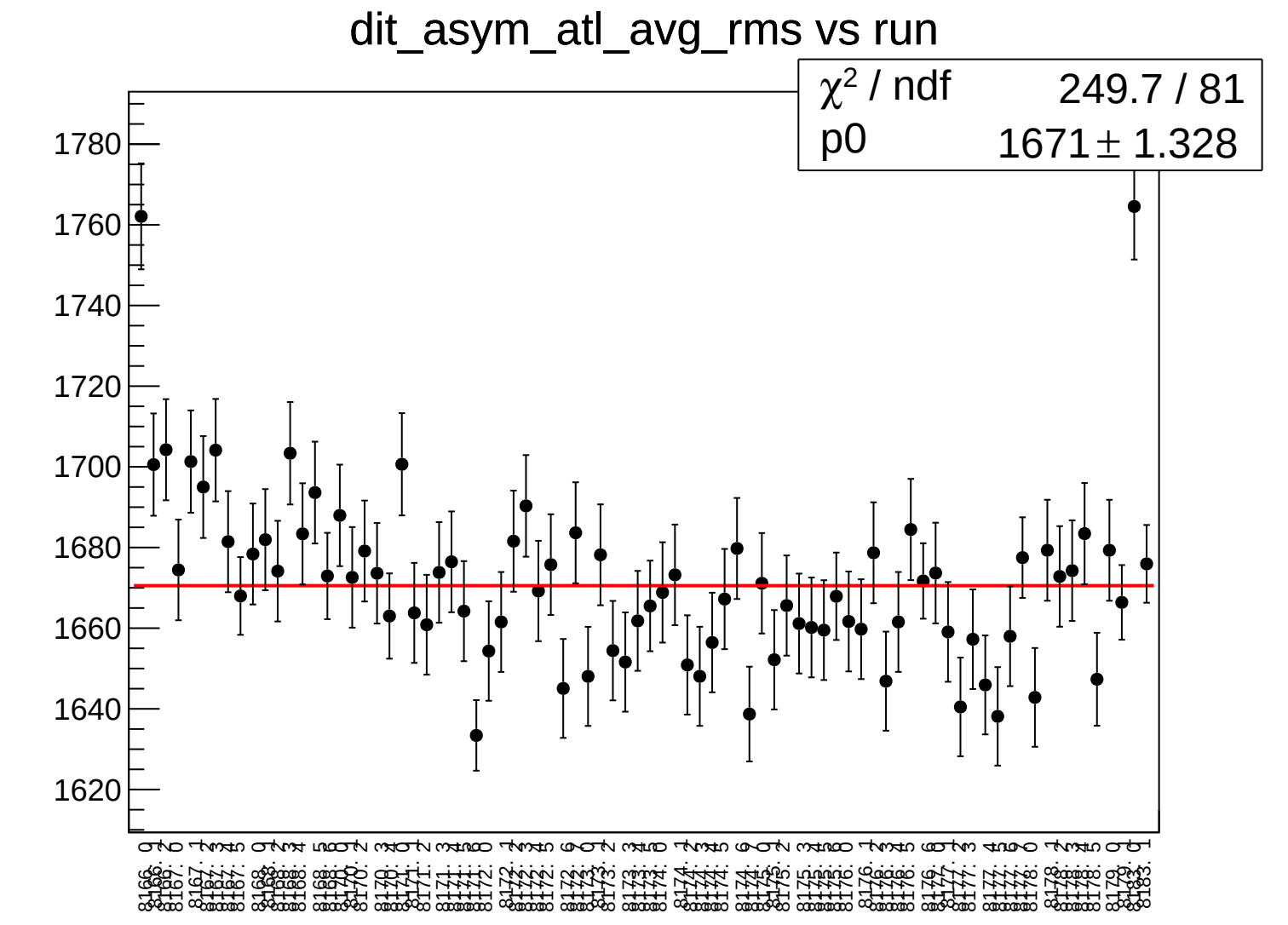

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 98.09 / 81
p0 −260.4 ± 5421
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −871.2
Std Dev 0
2
1
0
−1
−2
−3

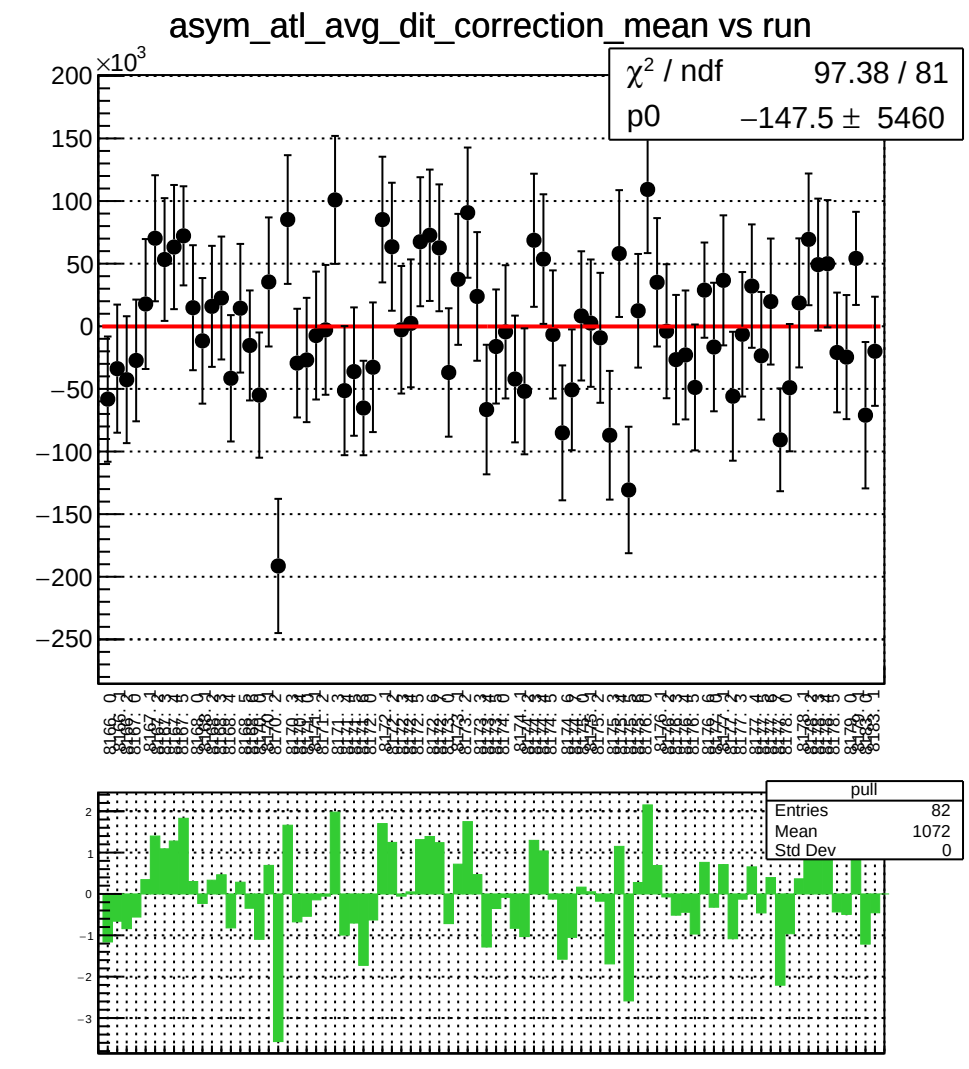

pull1D
Entries 82
Mean 0.001207
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

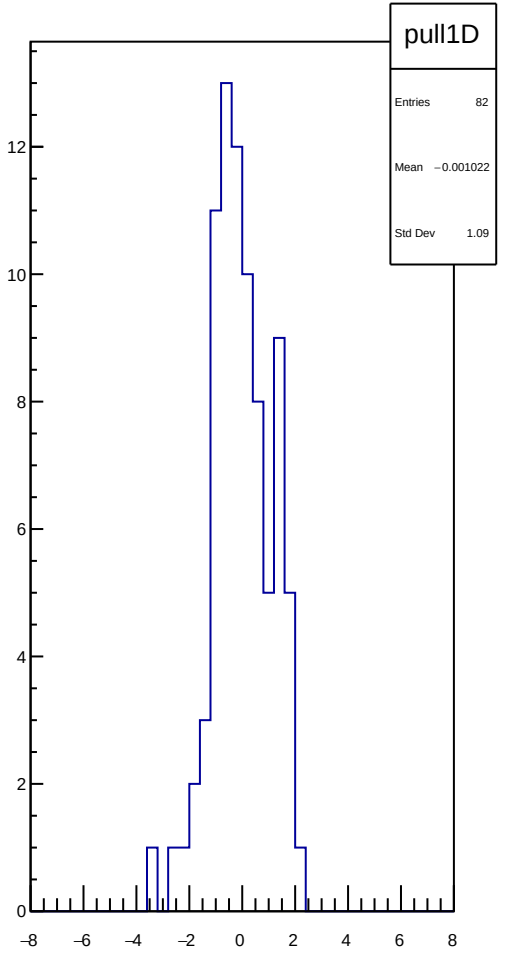

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1099 / 81
p0 4822 ± 3.834
5400
5200
5000
4800
4600

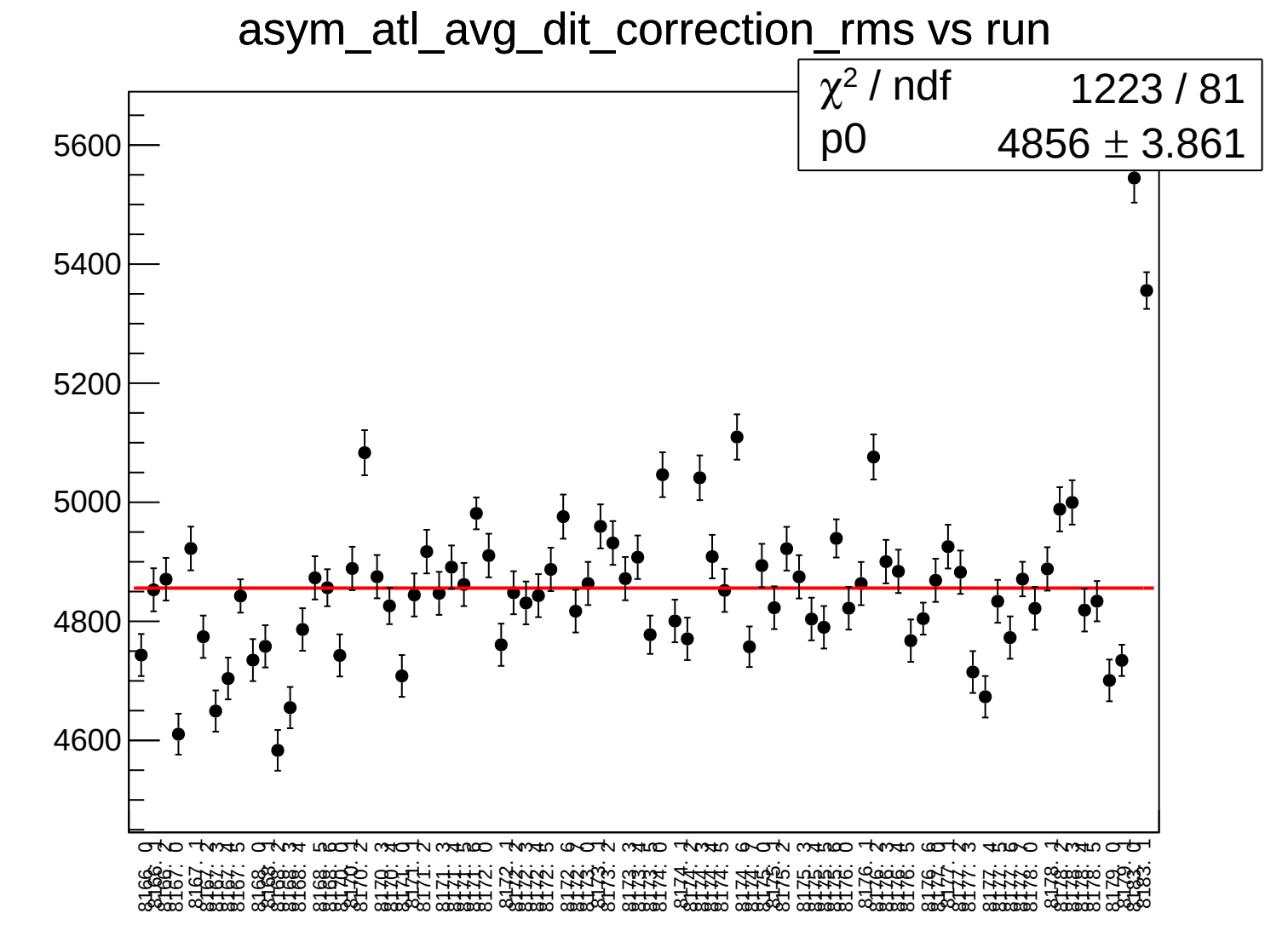

dit_asym_atl_avg_mean vs run
χ² / ndf 82.5 / 81
p0 2444 ± 1878
pull
Entries 82
Mean 209.3
Std Dev 0

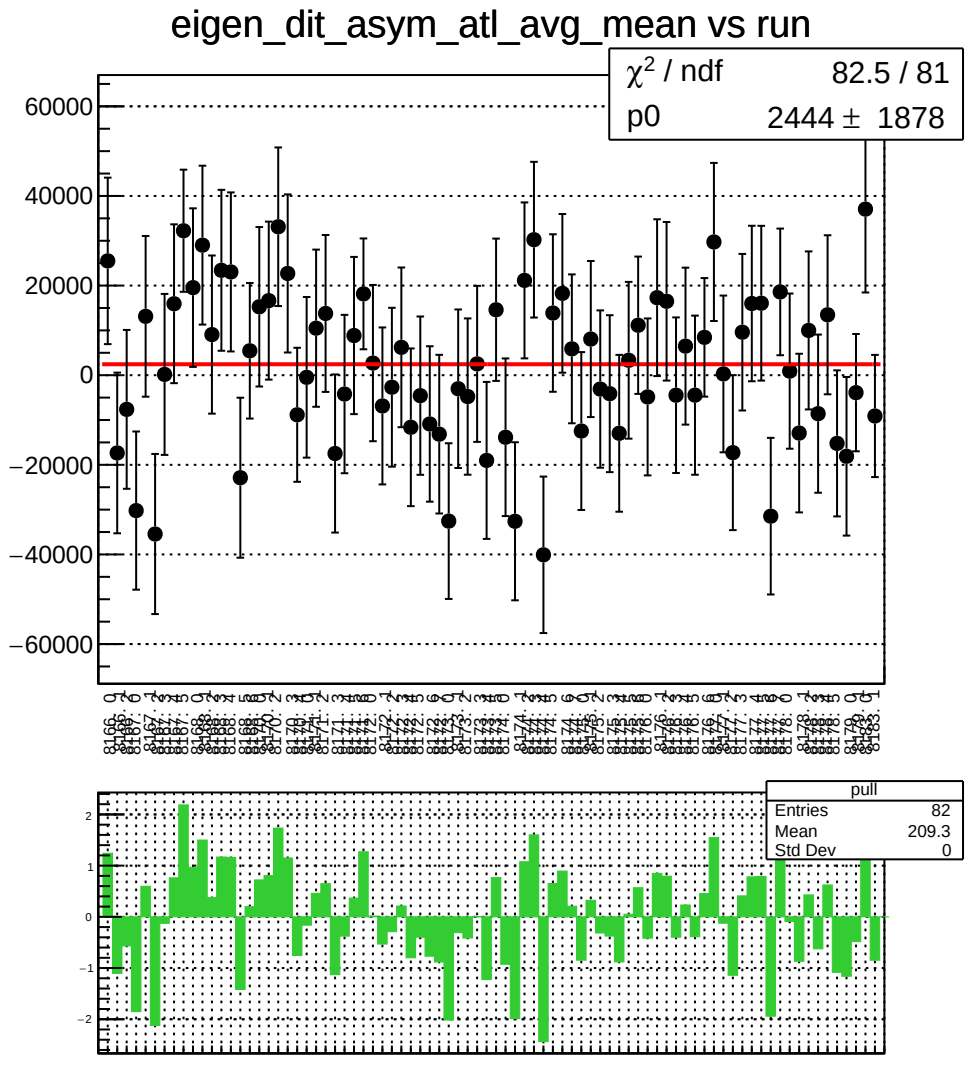

pull1D
Entries 82
Mean −0.01207
Std Dev 1.003

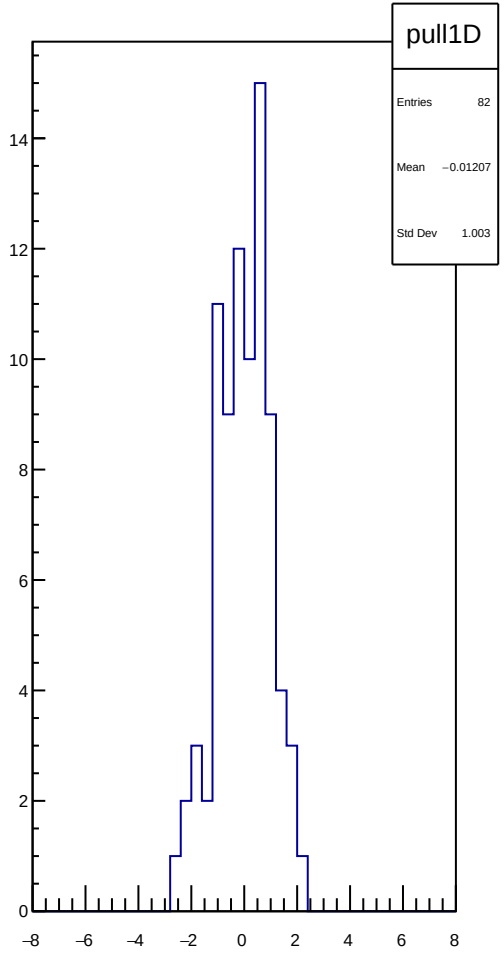

dit_asym_atl_avg_rms vs run
χ² / ndf 249.7 / 81
p0 1671 ± 1.328
1780
1760
1740
1720
1700
1680
1660
1640
1620

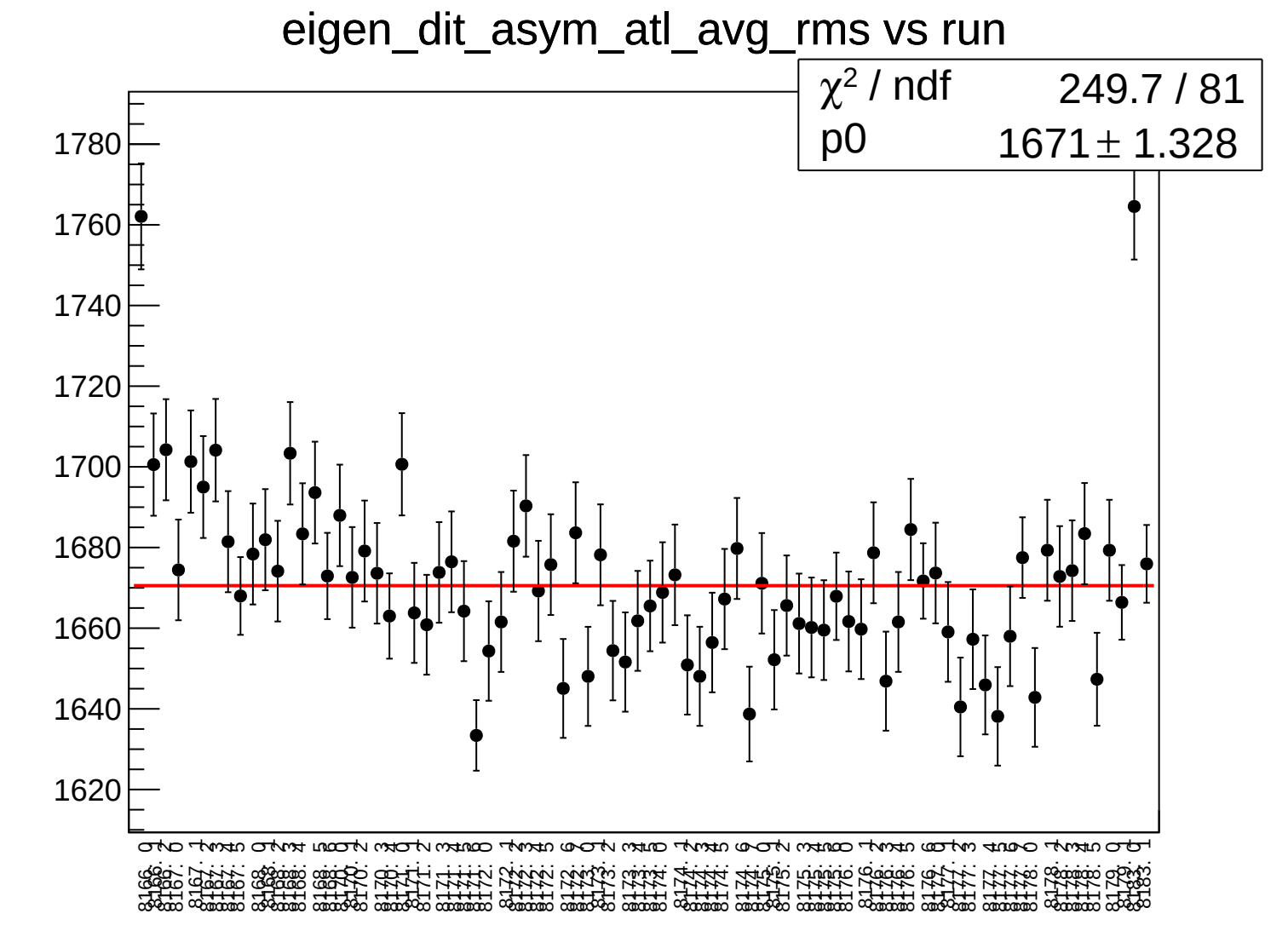

asym_atl_avg_dit_correction_mean vs run
χ² / ndf 97.38 / 81
p0 −147.5 ± 5460
pull
Entries 82
Mean 1072
Std Dev 0

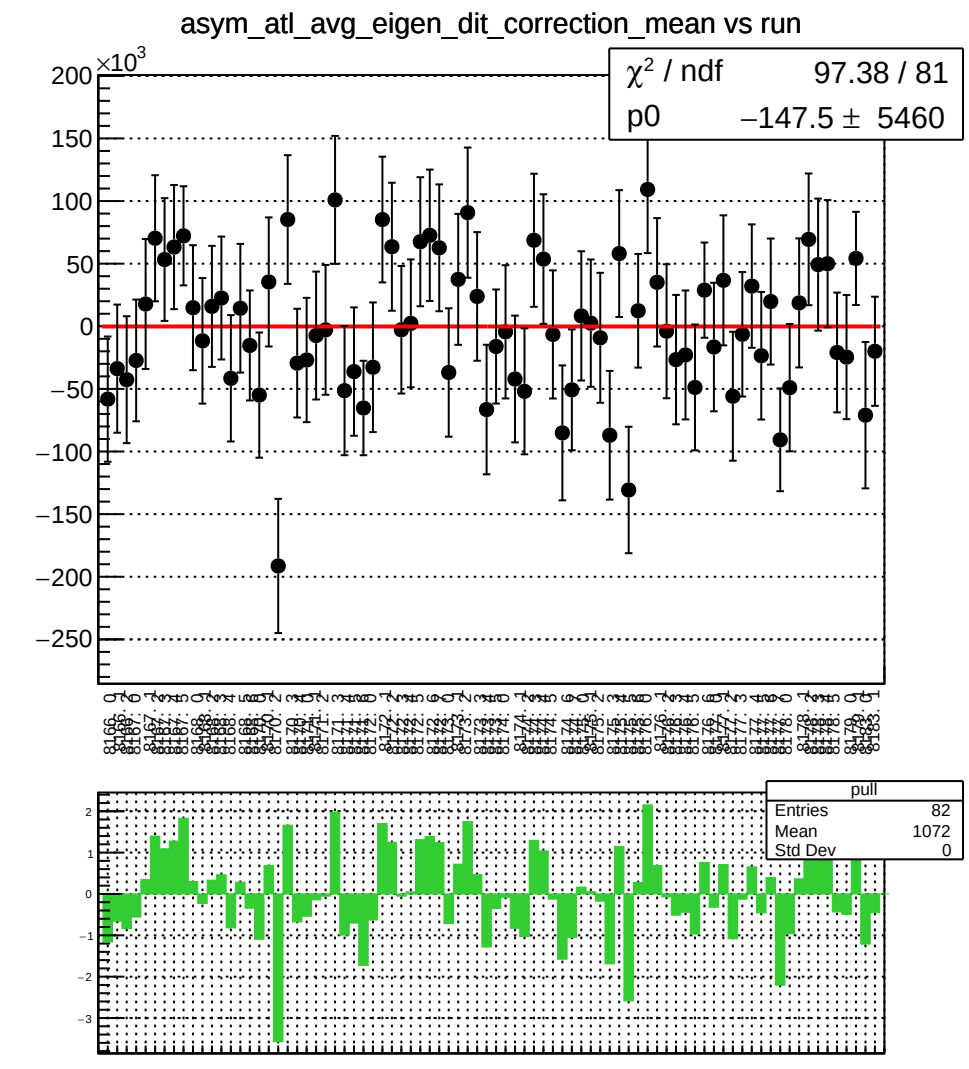

pull1D
Entries 82
Mean −0.001022
Std Dev 1.09

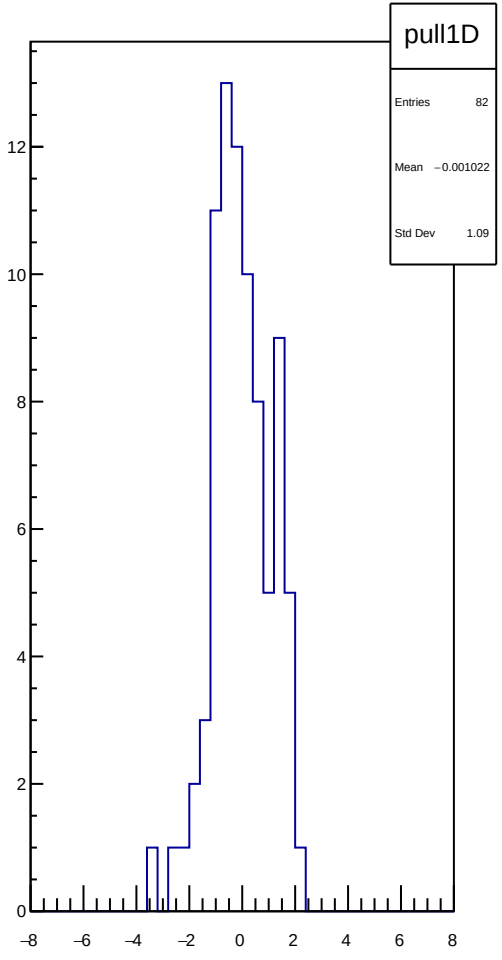

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 1223 / 81
p0 4856 ± 3.861
5600
5400
5200
5000
4800
4600

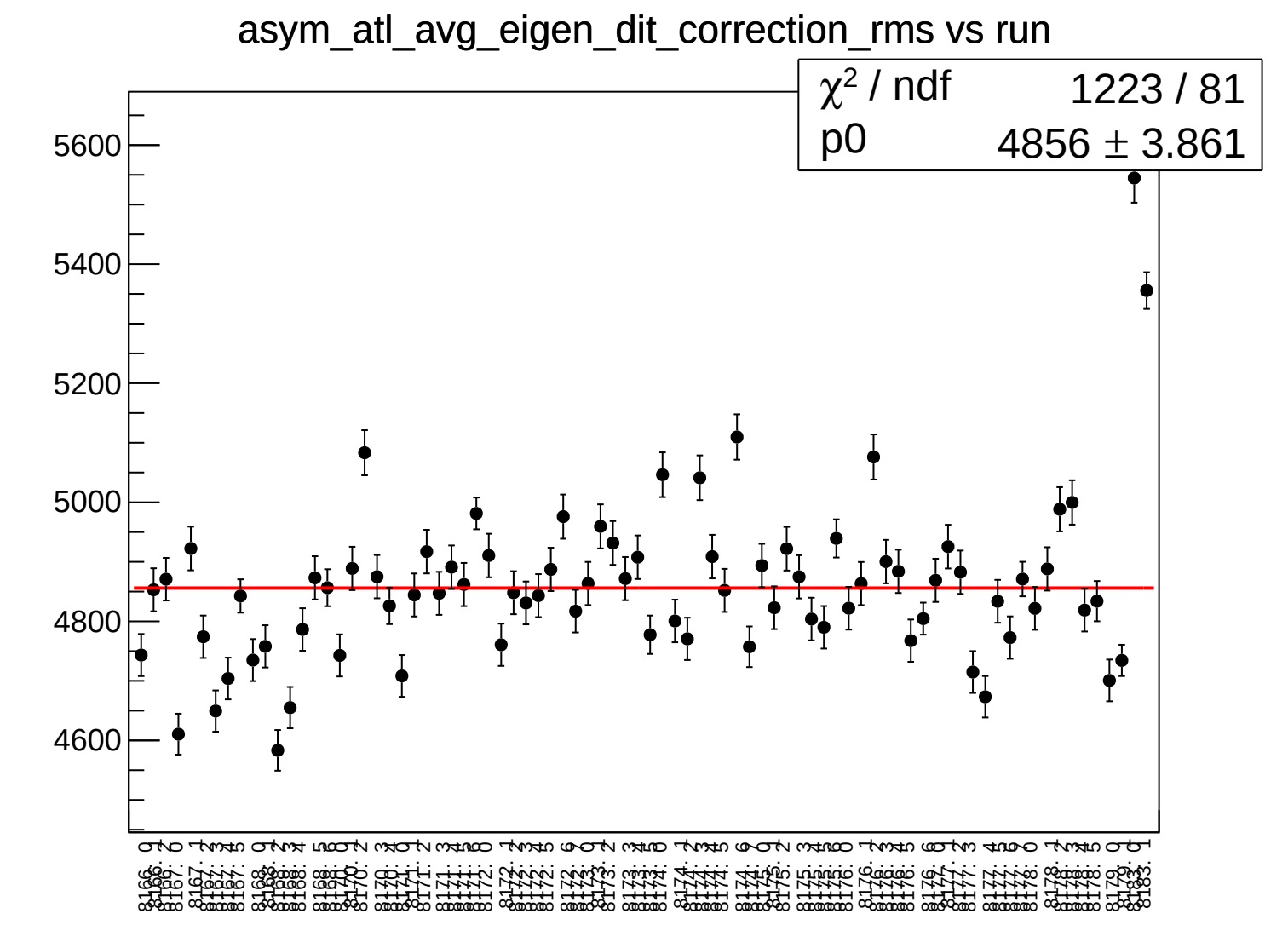

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 82.5 / 81
p0 2444 ± 1878
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 209.3
Std Dev 0
2
1
0
−1
−2

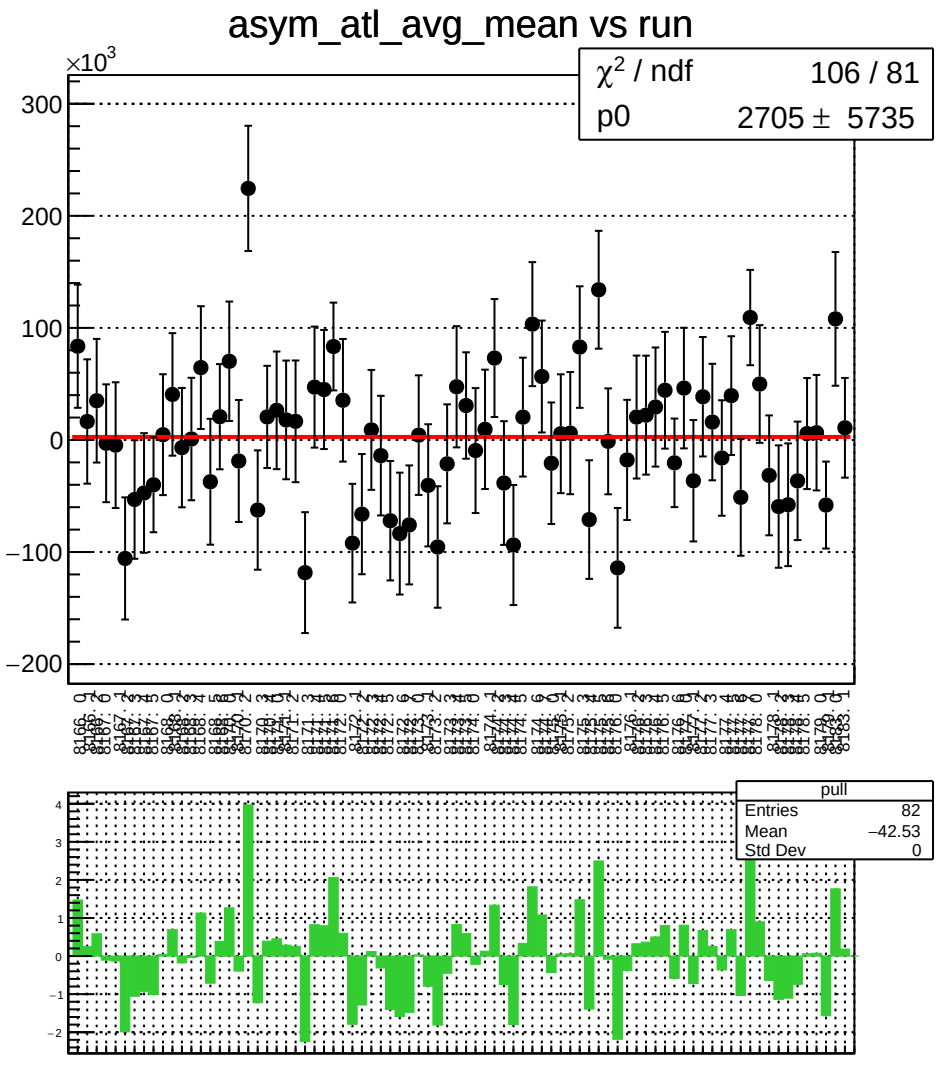

pull1D
Entries 82
Mean −0.01207
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

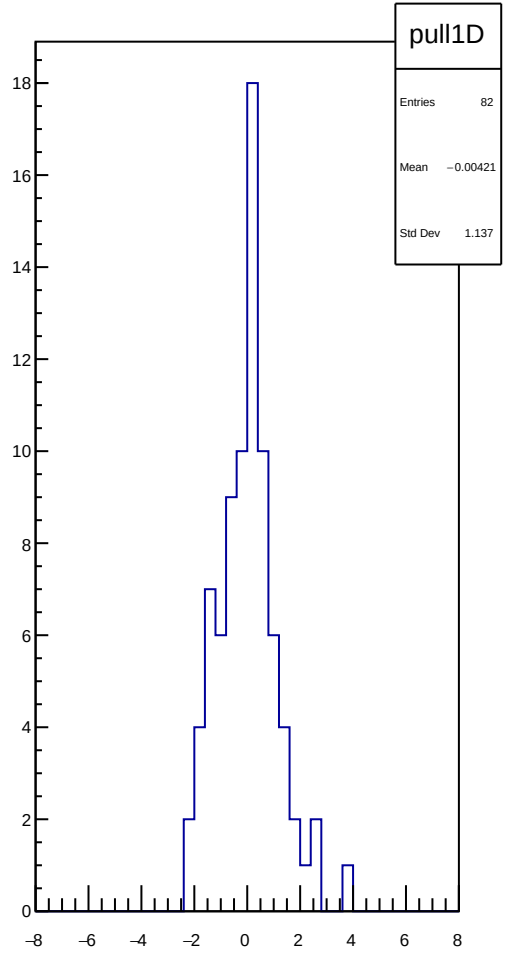

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 249.7 / 81
p0 1671 ± 1.328
1780
1760
1740
1720
1700
1680
1660
1640
1620

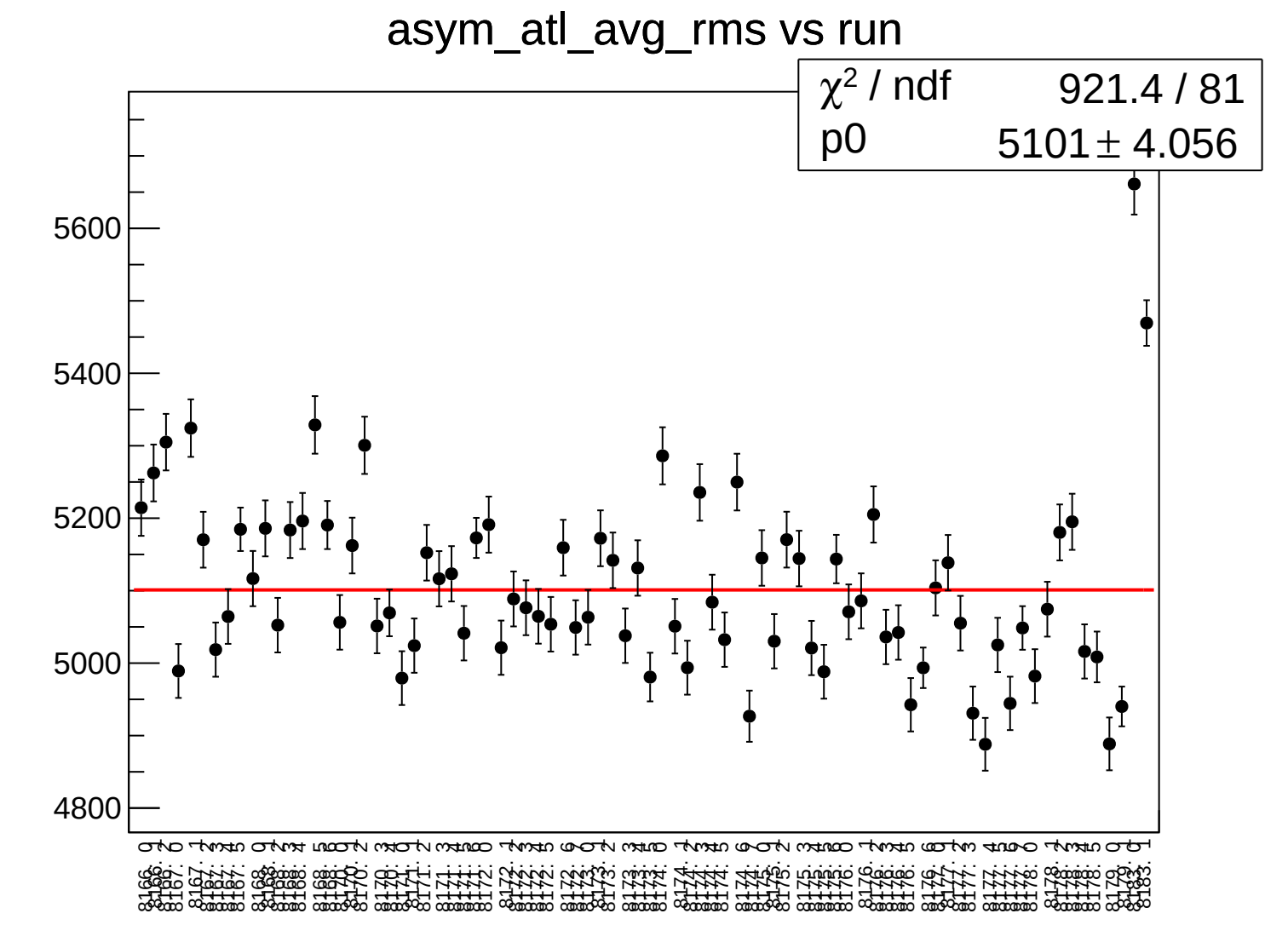

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 97.38 / 81
p0 −147.5 ± 5460
pull
Entries 82
Mean 1072
Std Dev 0

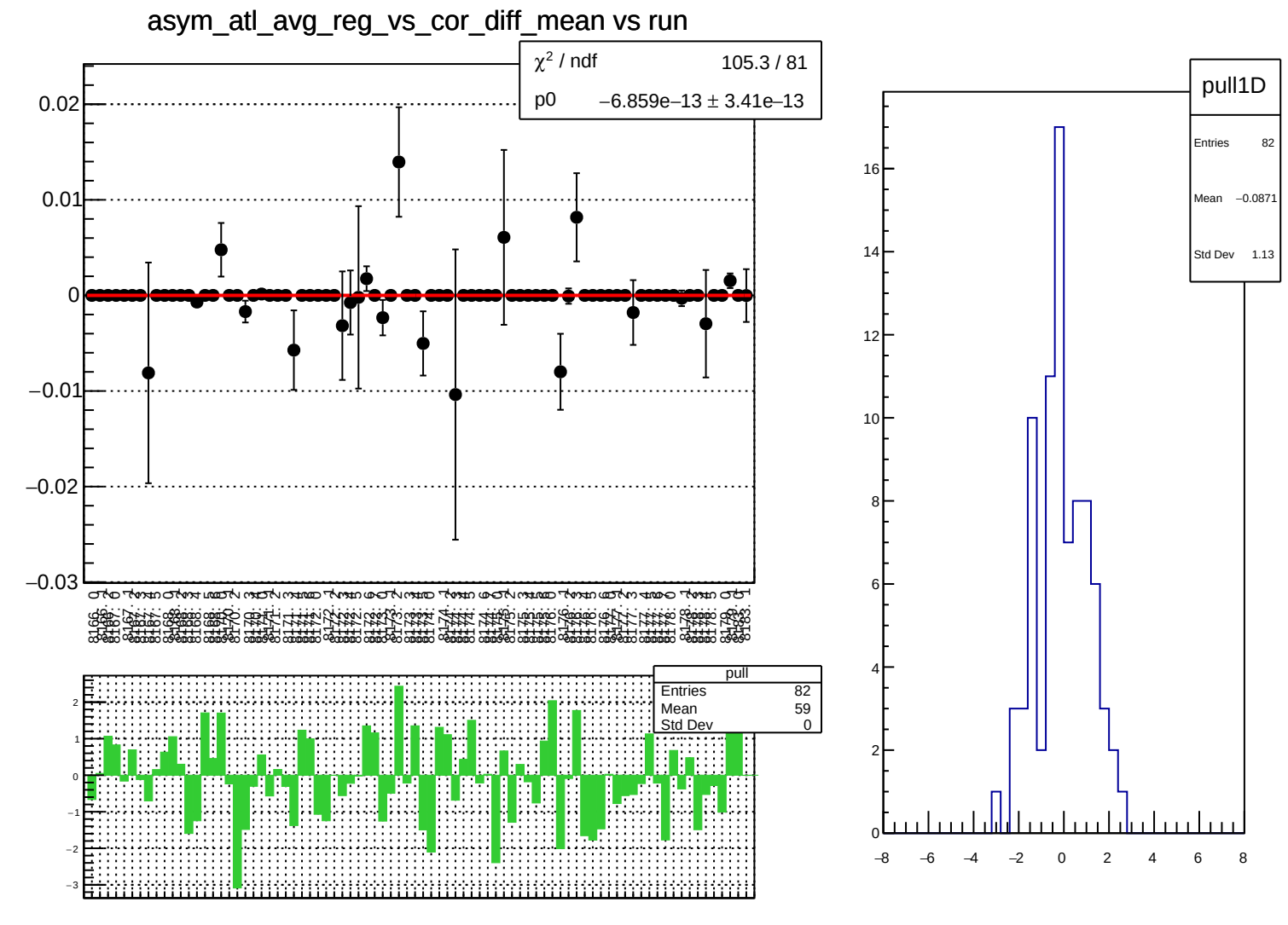

pull1D
Entries 82
Mean −0.001022
Std Dev 1.09

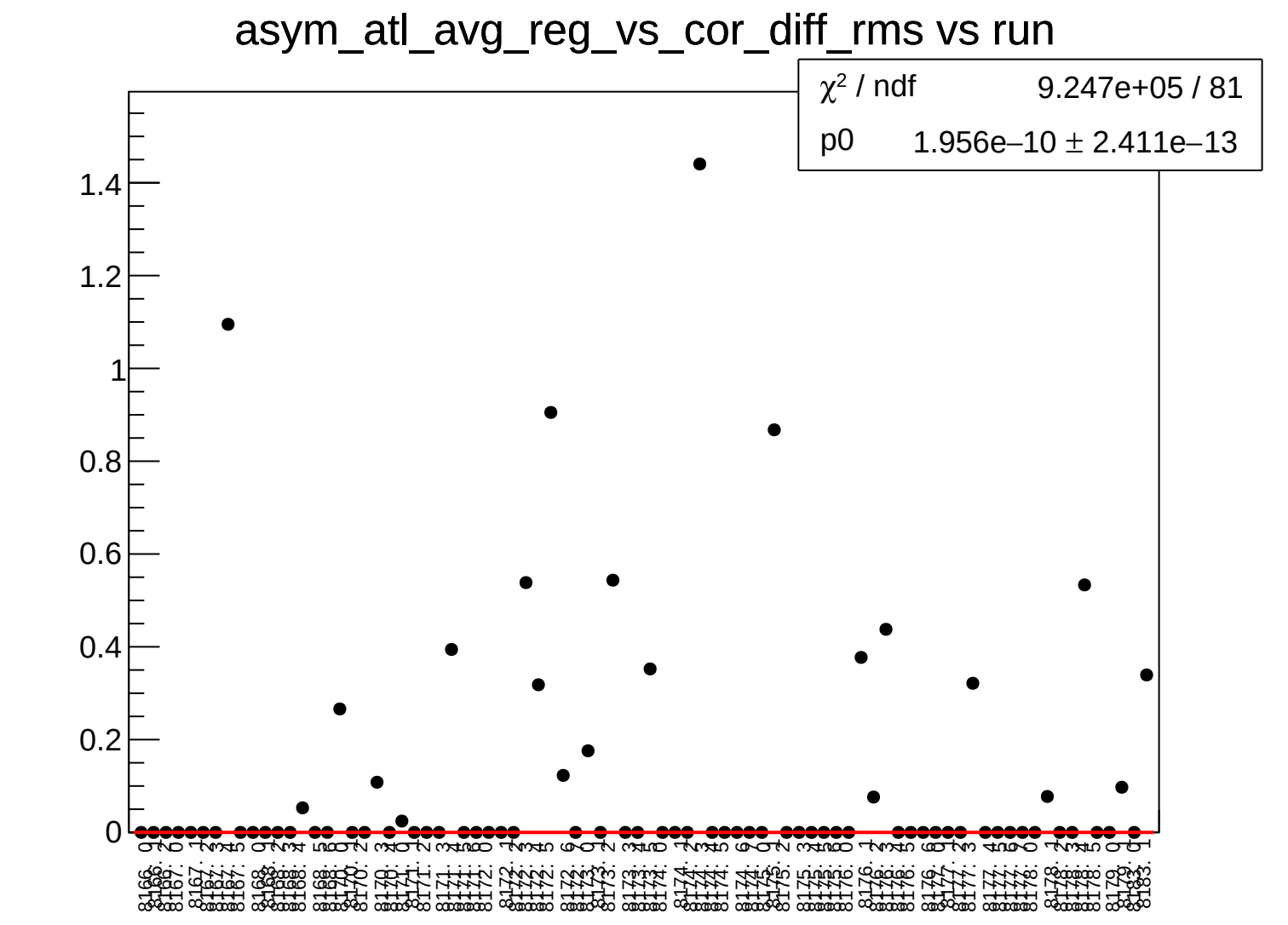

asym_atl_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 1223 / 81
p0 4856 ± 3.861
5600
5400
5200
5000
4800
4600

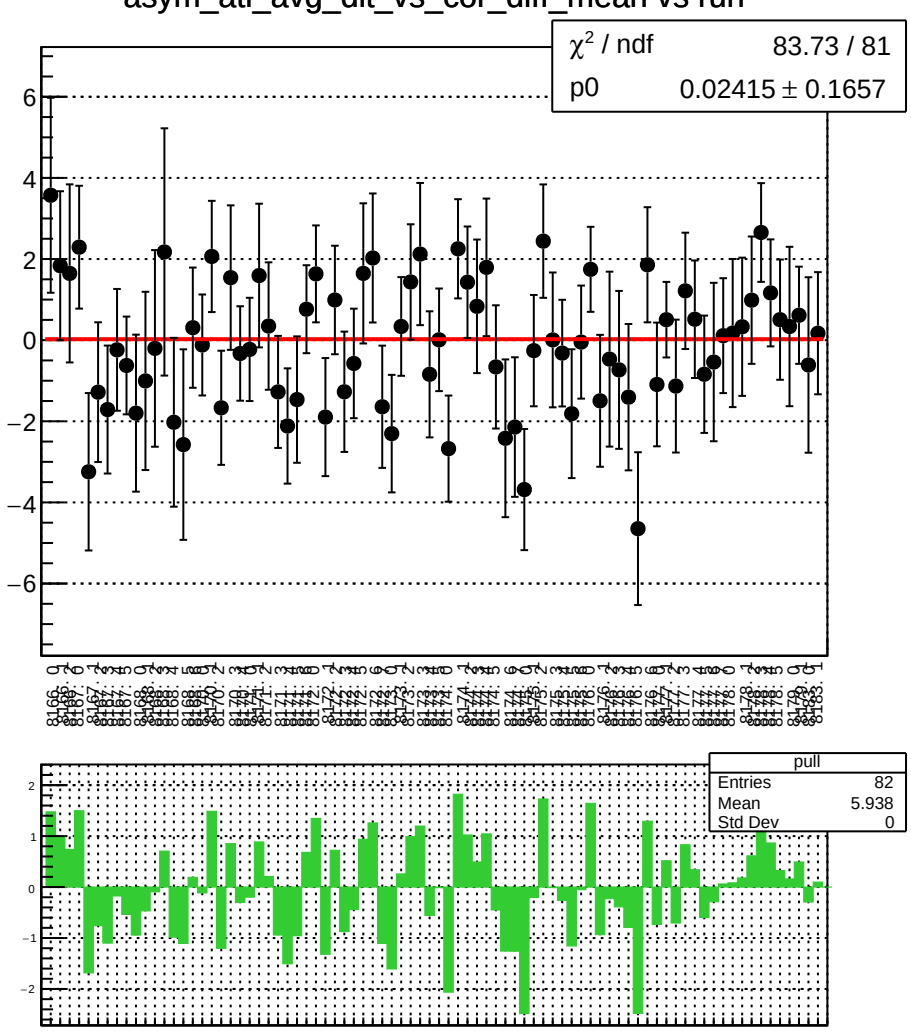

asym_atl_avg_mean vs run
×10^3
χ² / ndf 106 / 81
p0 2705 ± 5735
300
200
100
0
−100
−200
pull
Entries 82
Mean −42.53
Std Dev 0
4
3
2
1
0
−1
−2

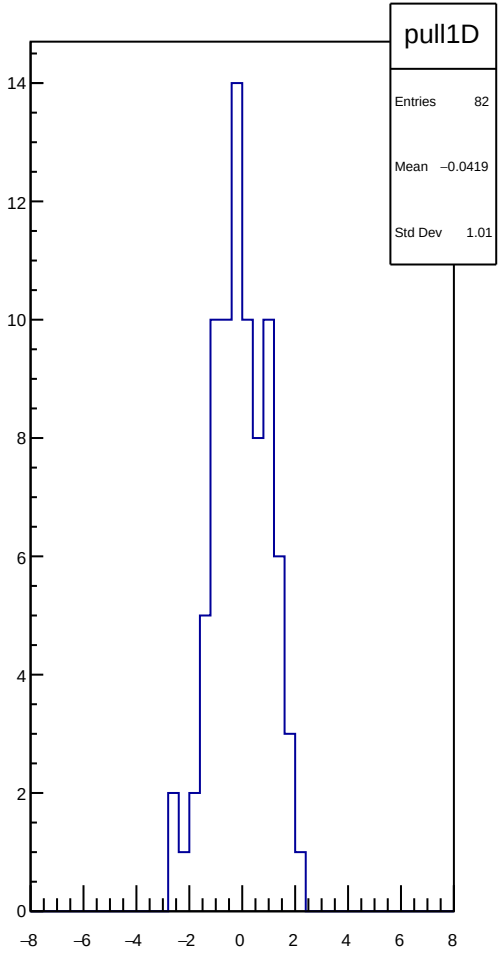

pull1D
Entries 82
Mean −0.00421
Std Dev 1.137
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

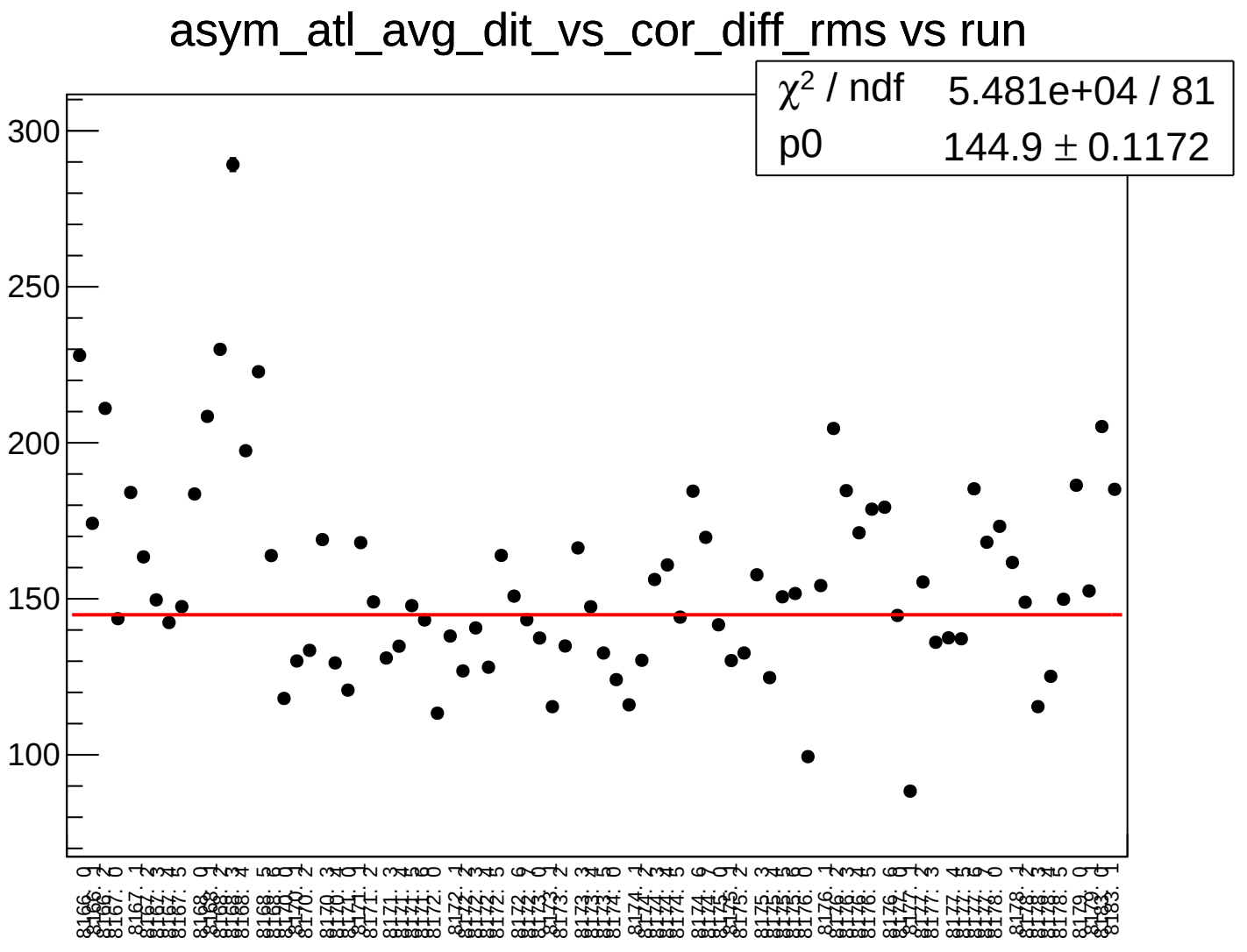

asym_atl_avg_rms vs run
χ² / ndf 921.4 / 81
p0 5101 ± 4.056
5600
5400
5200
5000
4800

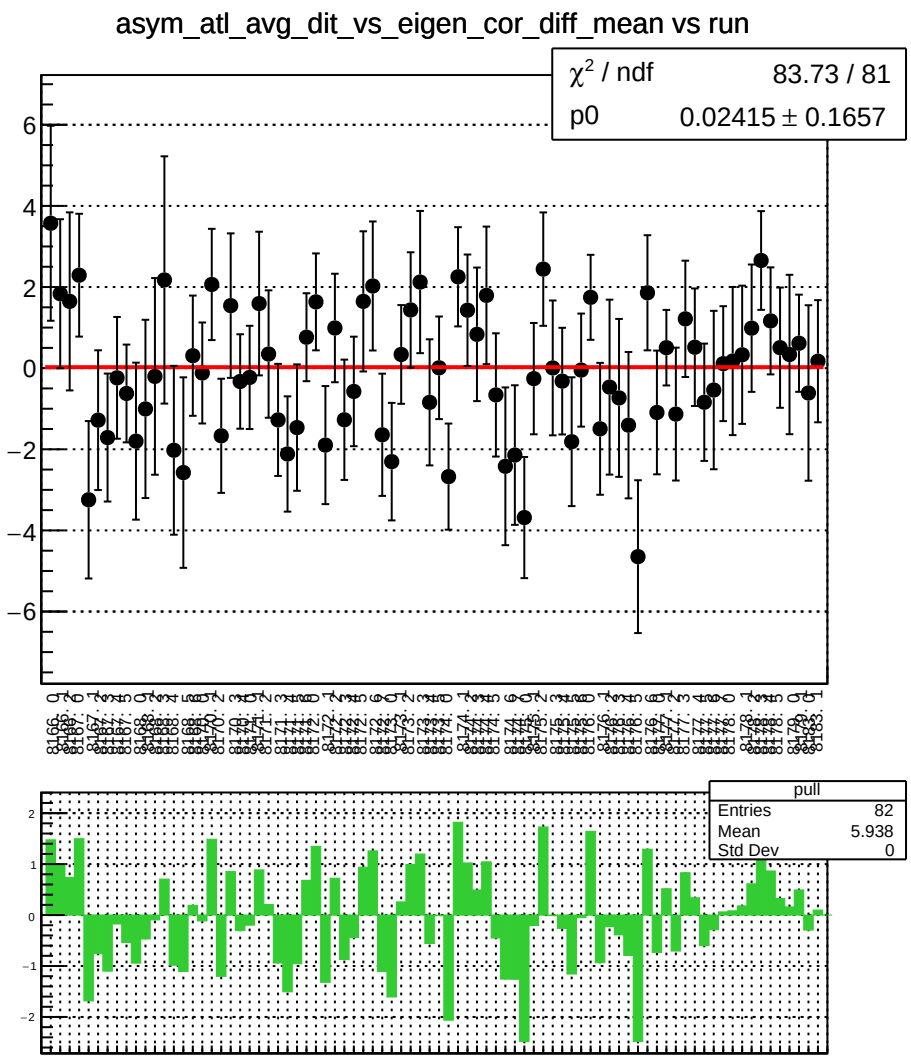

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 105.3 / 81
p0 −6.859e−13 ± 3.41e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean 59
Std Dev 0
pull1D
Entries 82
Mean −0.0871
Std Dev 1.13
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

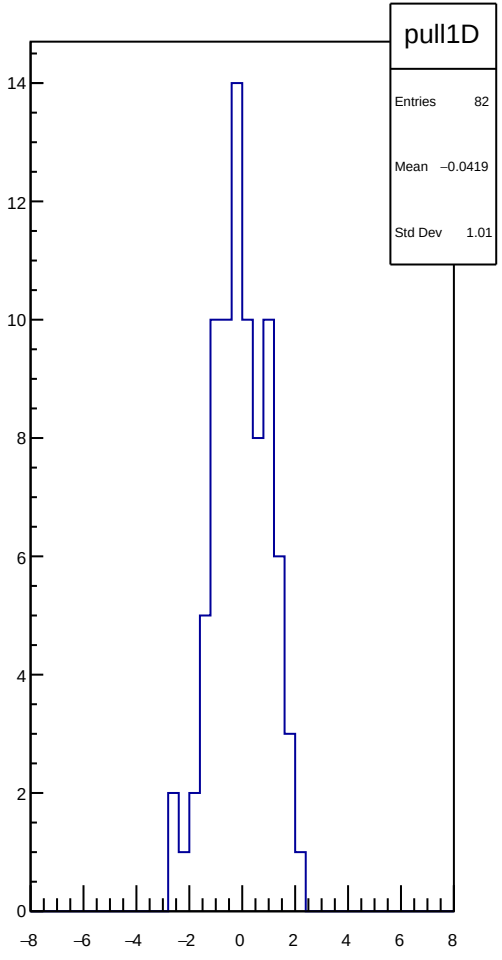

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.247e+05 / 81
p0 1.956e−10 ± 2.411e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

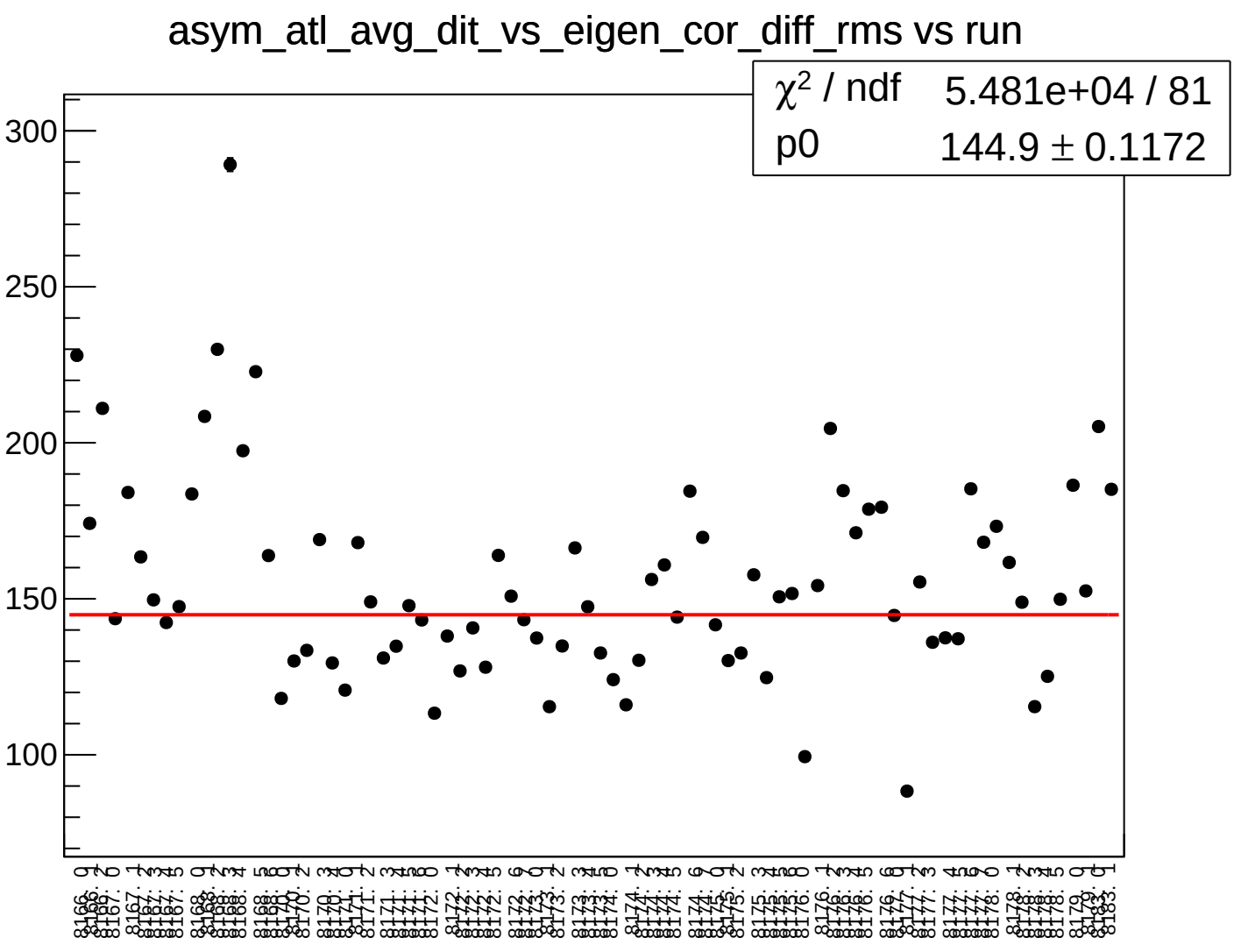

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.73 / 81
p0 0.02415 ± 0.1657
pull
Entries 82
Mean 5.938
Std Dev 0

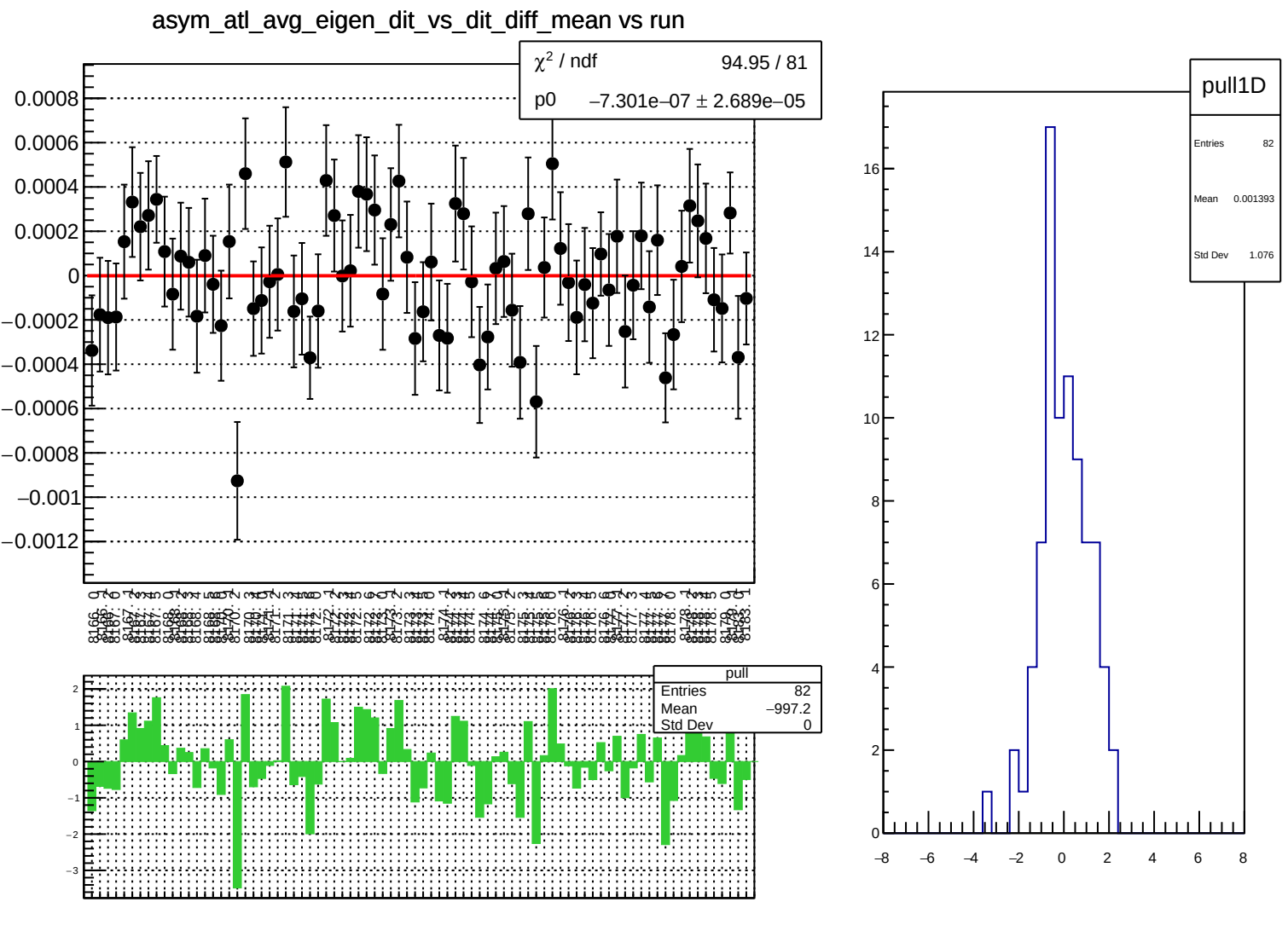

pull1D
Entries 82
Mean −0.0419
Std Dev 1.01

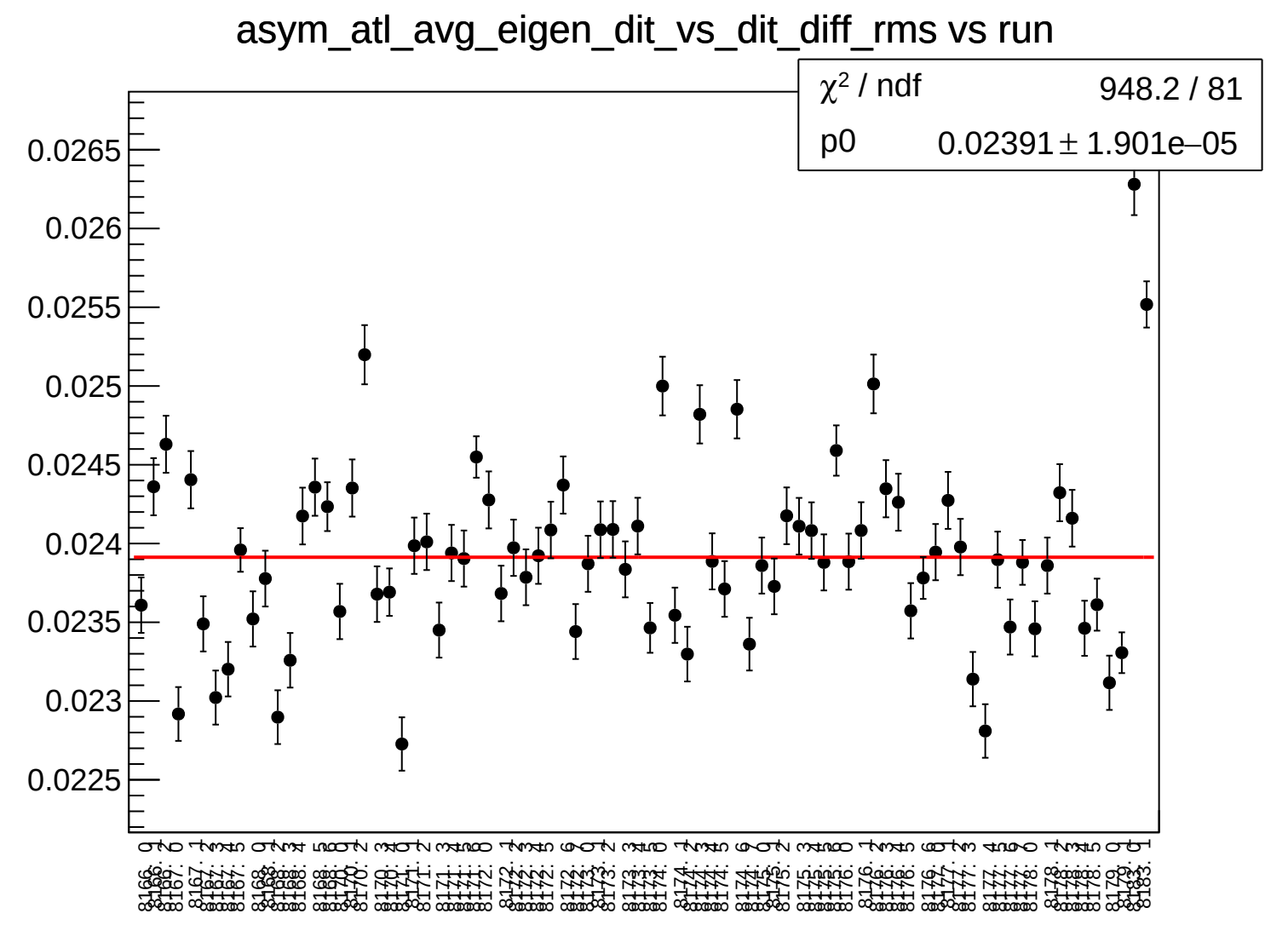

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.481e+04 / 81
p0 144.9 ± 0.1172
300
250
200
150
100

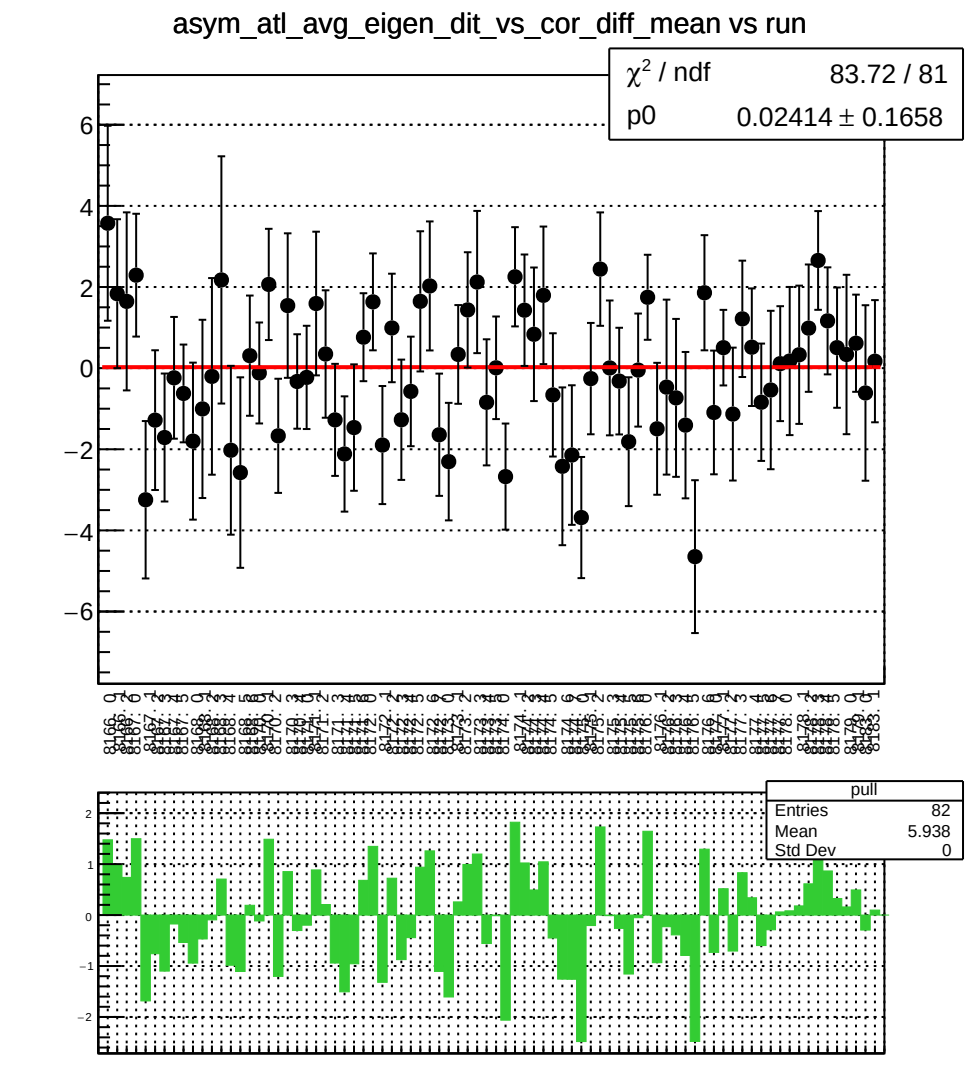

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.73 / 81
p0 0.02415 ± 0.1657
pull
Entries 82
Mean 5.938
Std Dev 0

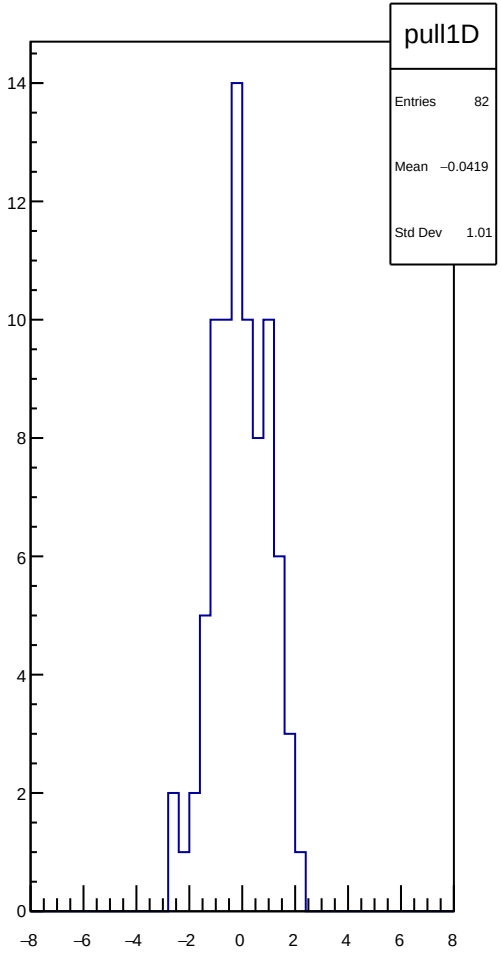

pull1D
Entries 82
Mean −0.0419
Std Dev 1.01

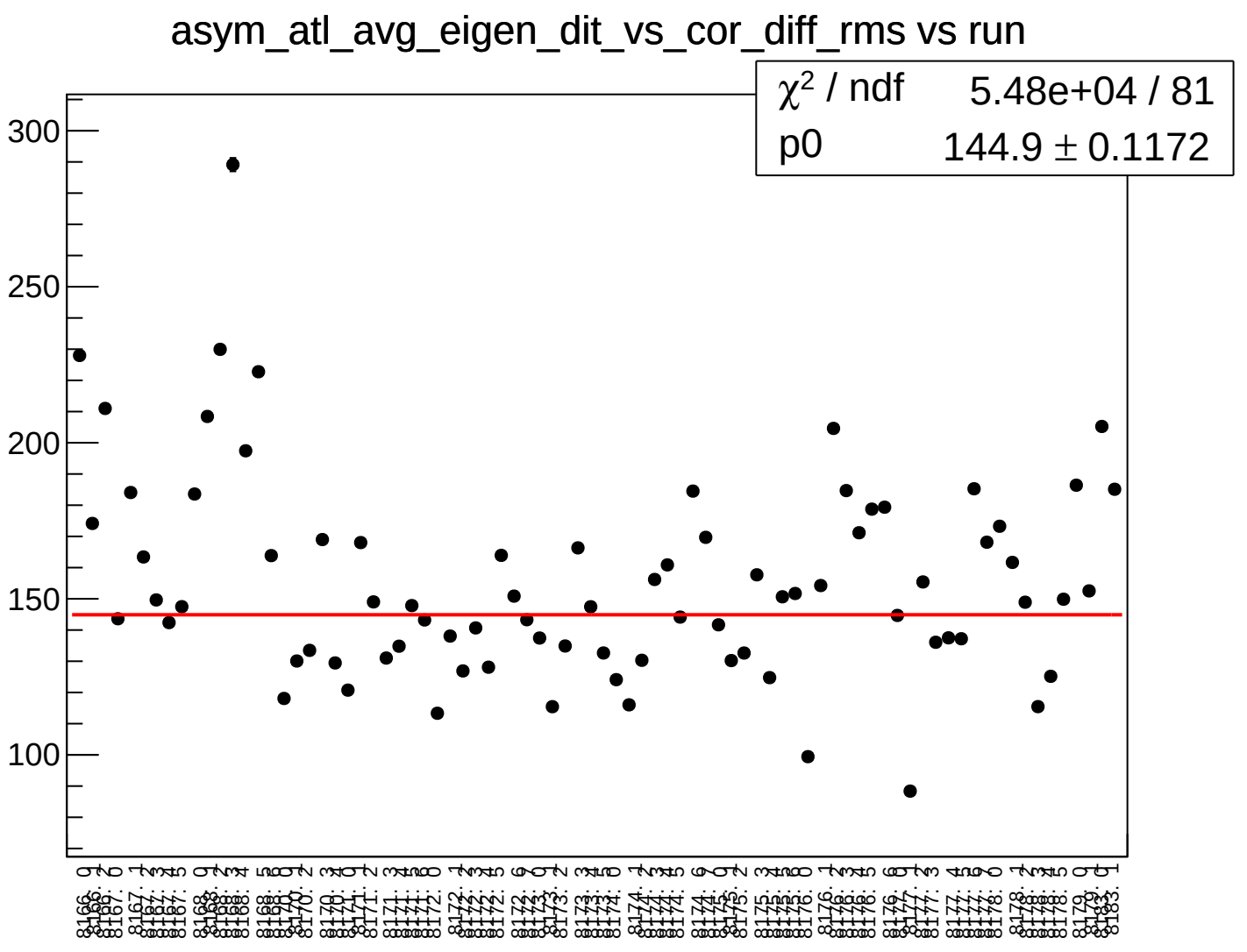

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.481e+04 / 81
p0 144.9 ± 0.1172
300
250
200
150
100

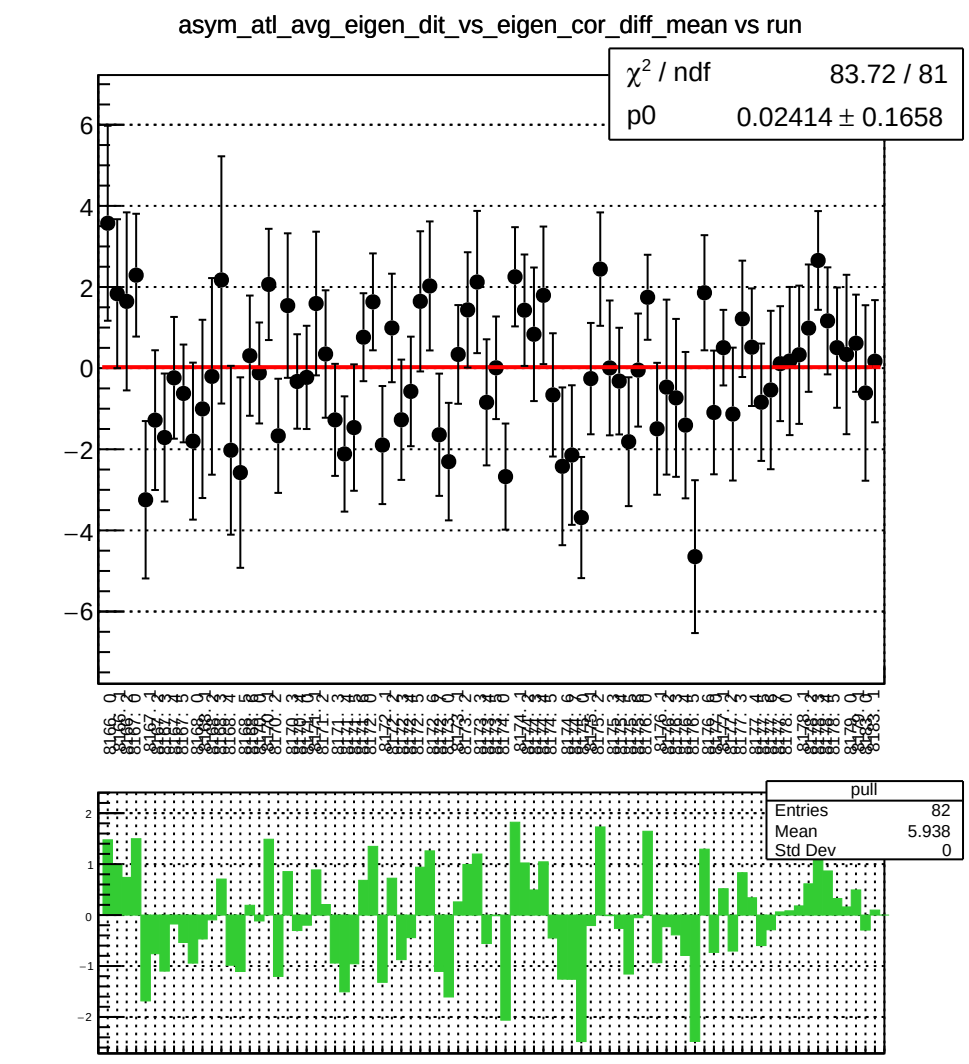

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 94.95 / 81
p0 −7.301e−07 ± 2.689e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 82
Mean −997.2
Std Dev 0
pull1D
Entries 82
Mean 0.001393
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

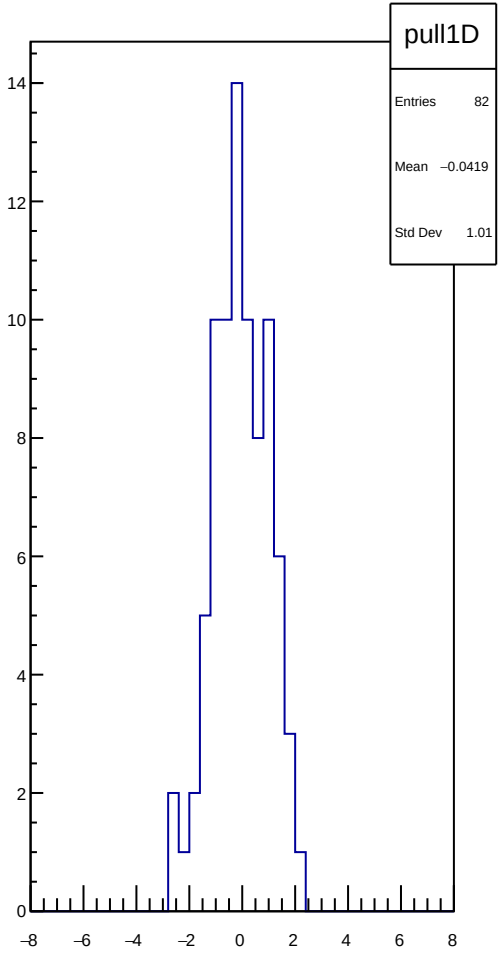

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 948.2 / 81
p0 0.02391 ± 1.901e−05
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225

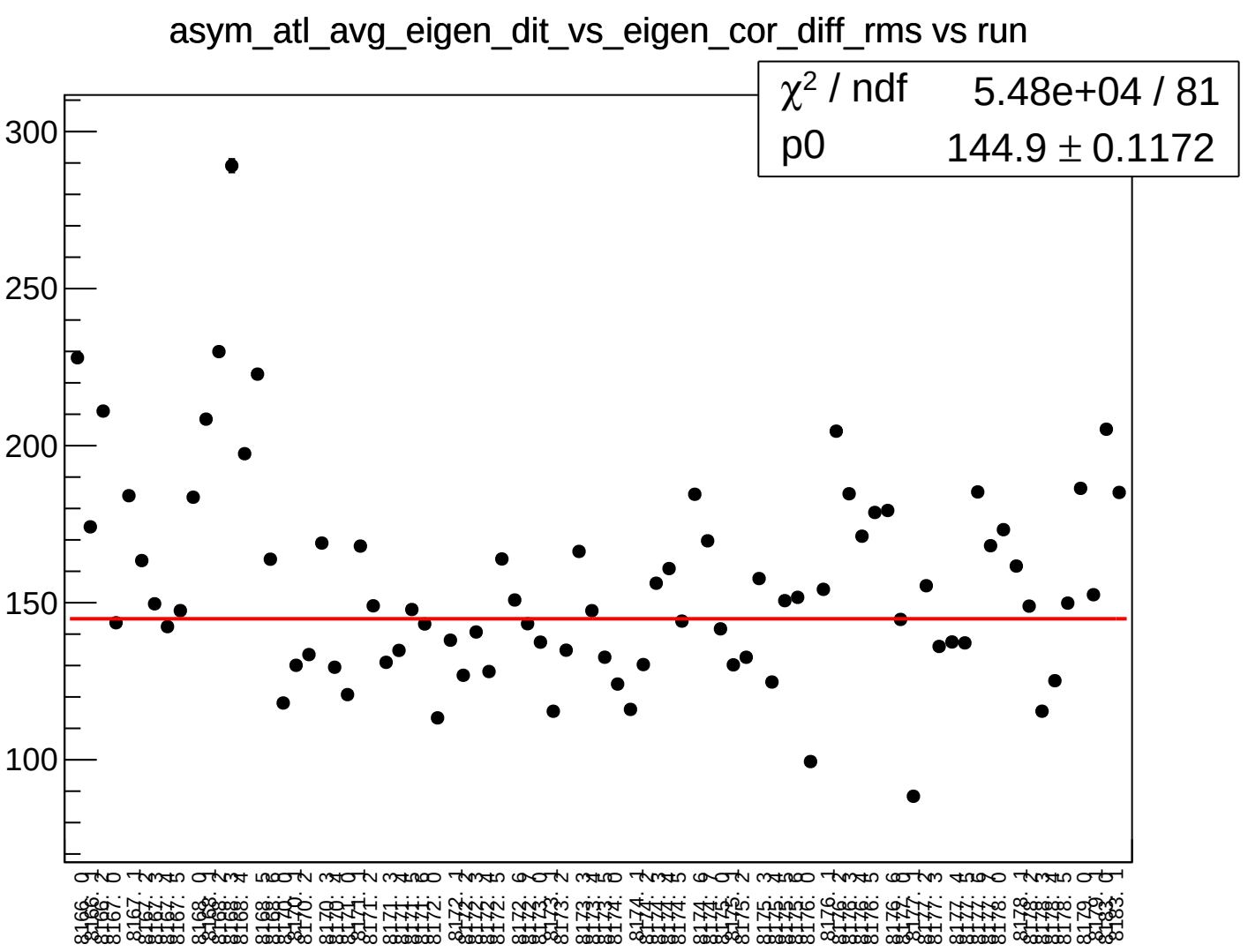

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.72 / 81
p0 0.02414 ± 0.1658
pull
Entries 82
Mean 5.938
Std Dev 0

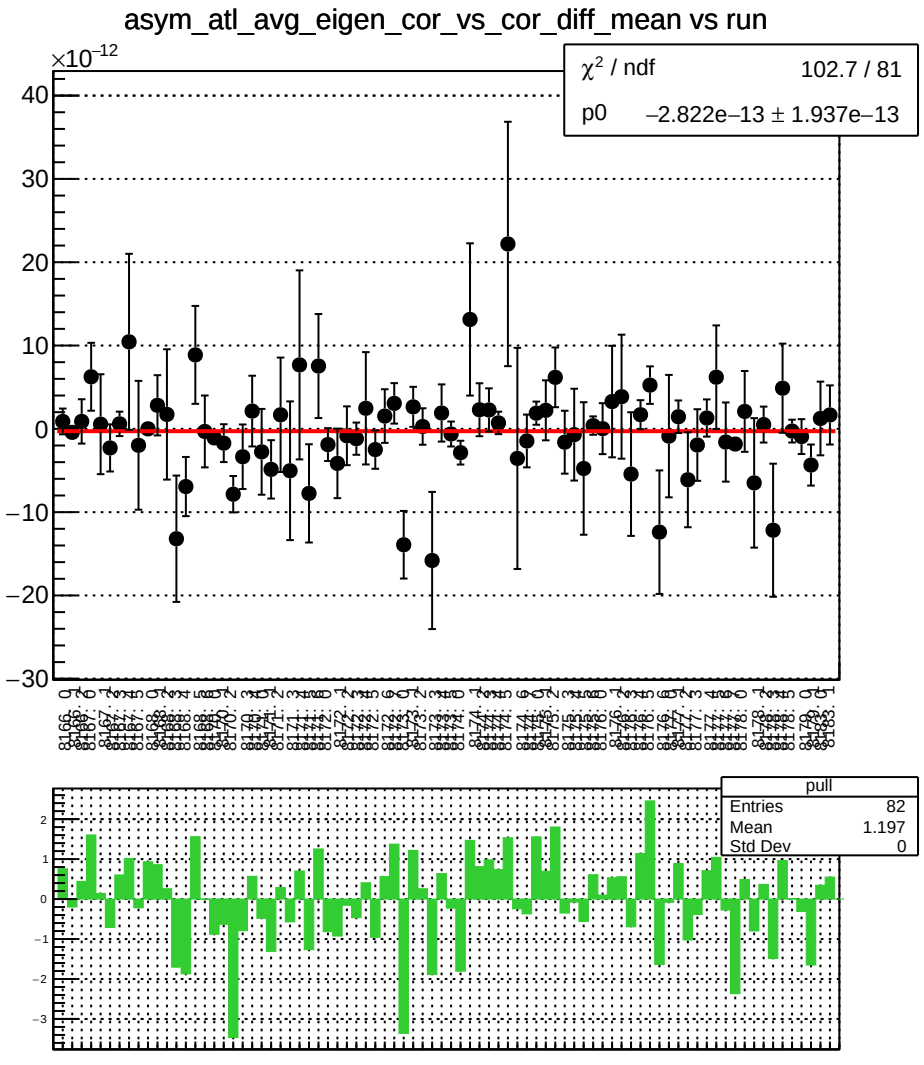

pull1D
Entries 82
Mean −0.0419
Std Dev 1.01

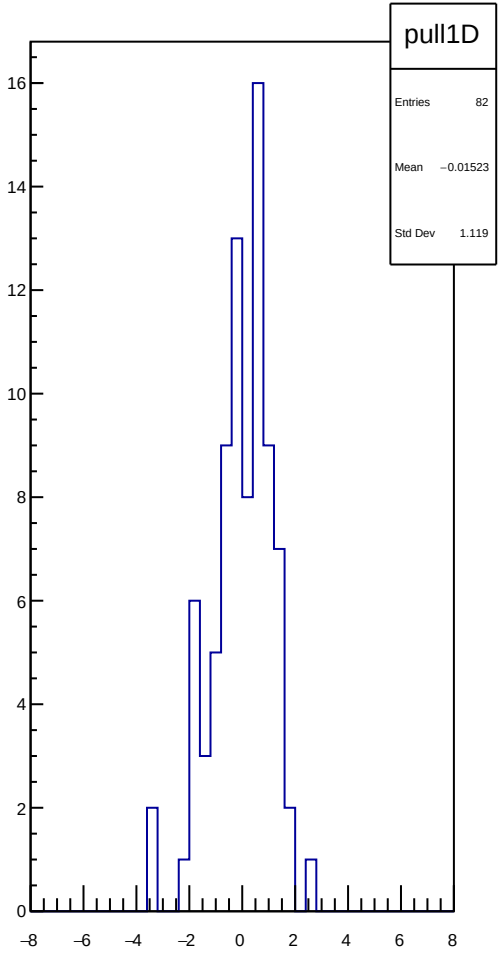

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 81
p0 144.9 ± 0.1172
300
250
200
150
100

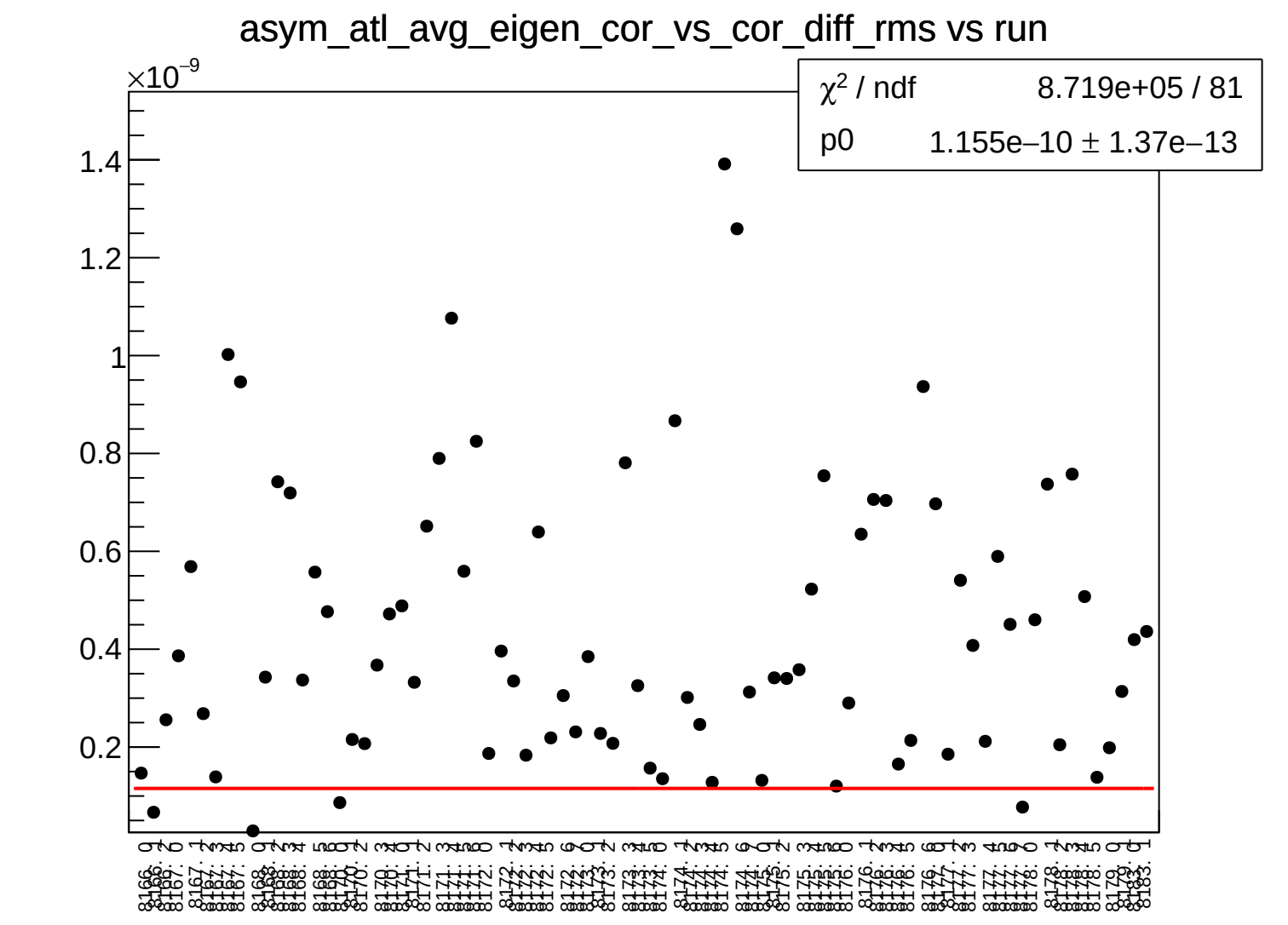

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.72 / 81
p0 0.02414 ± 0.1658
pull
Entries 82
Mean 5.938
Std Dev 0

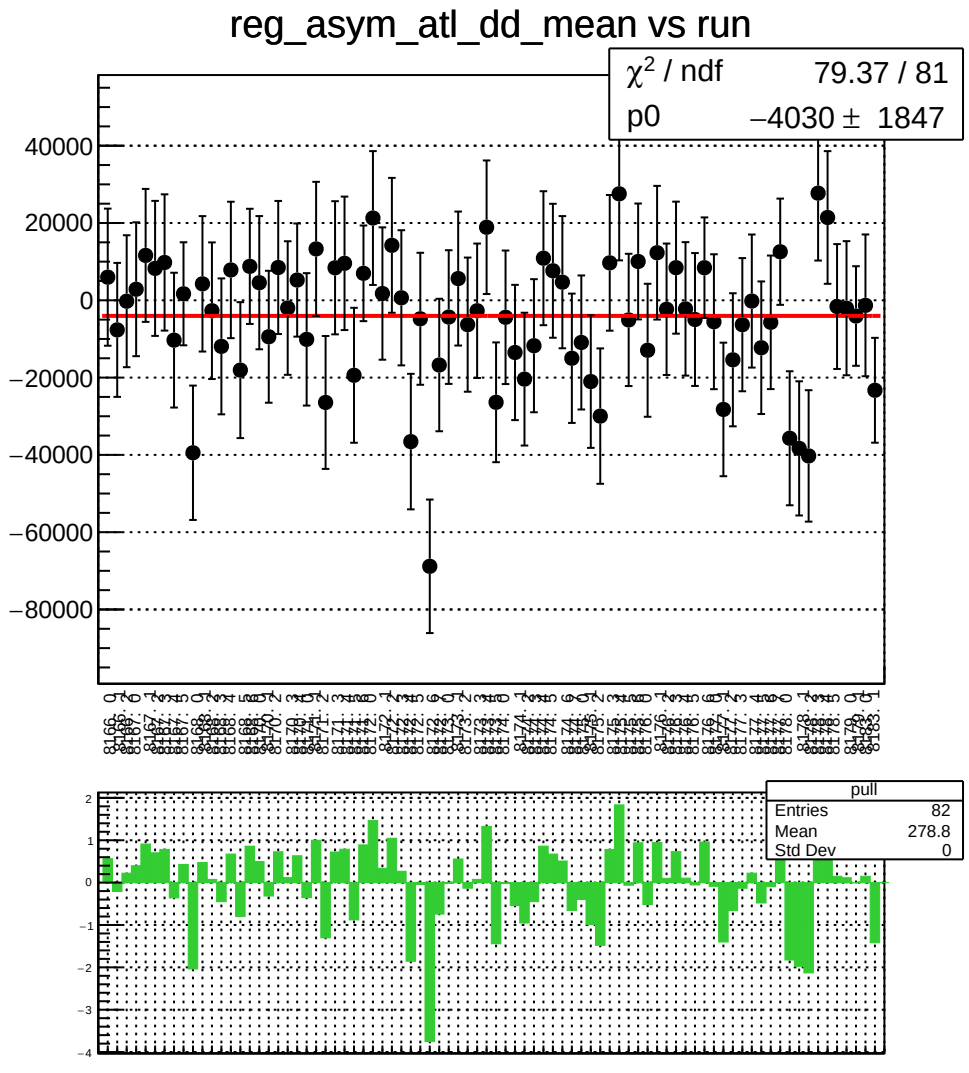

pull1D
Entries 82
Mean −0.0419
Std Dev 1.01

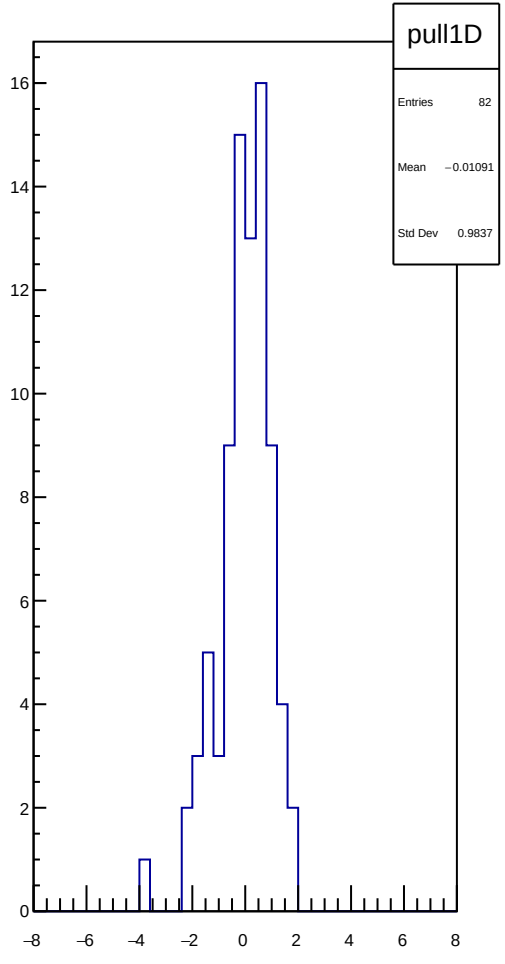

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 81
p0 144.9 ± 0.1172
300
250
200
150
100

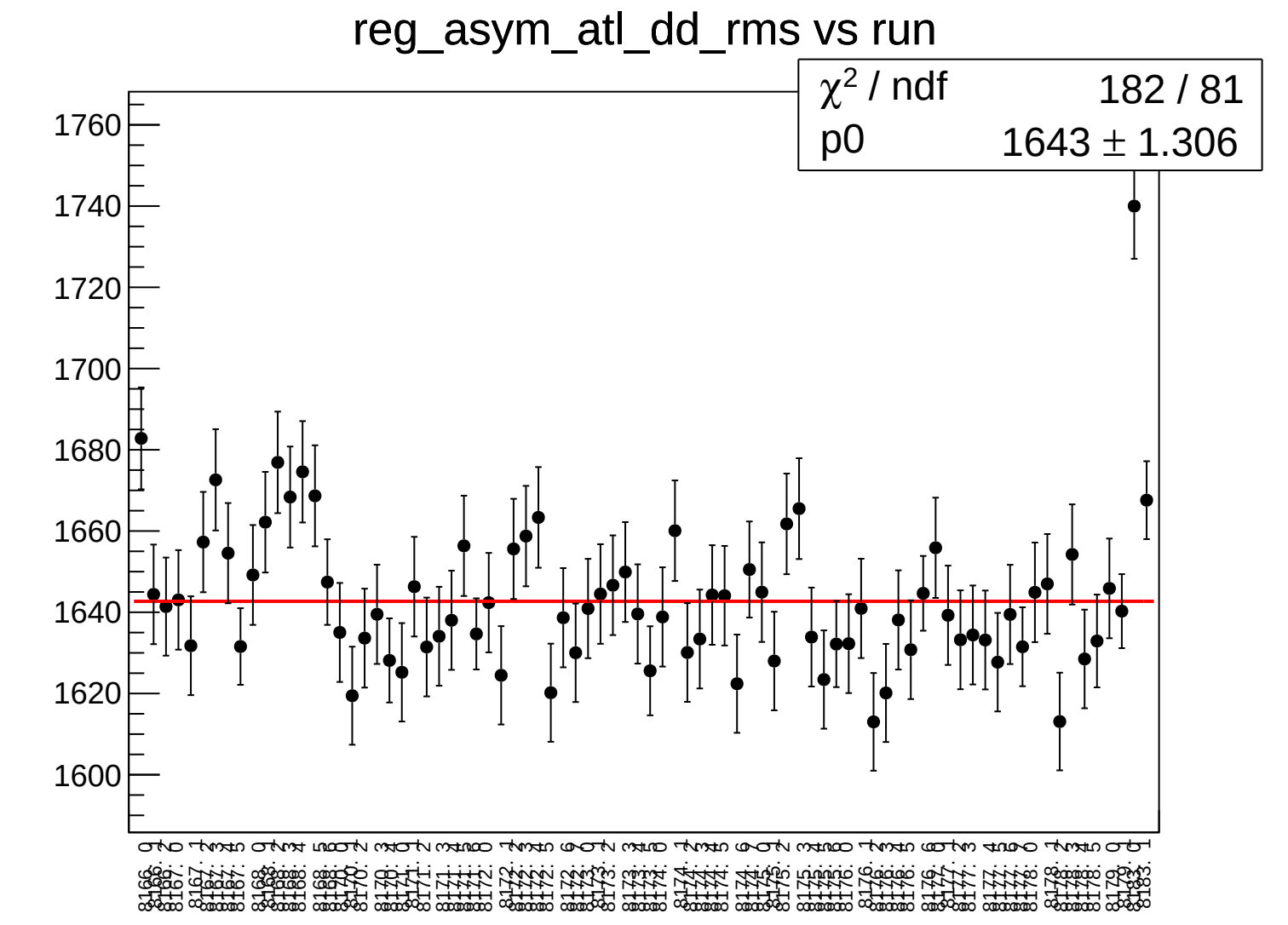

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 102.7 / 81
p0 −2.822e−13 ± 1.937e−13
pull
Entries 82
Mean 1.197
Std Dev 0

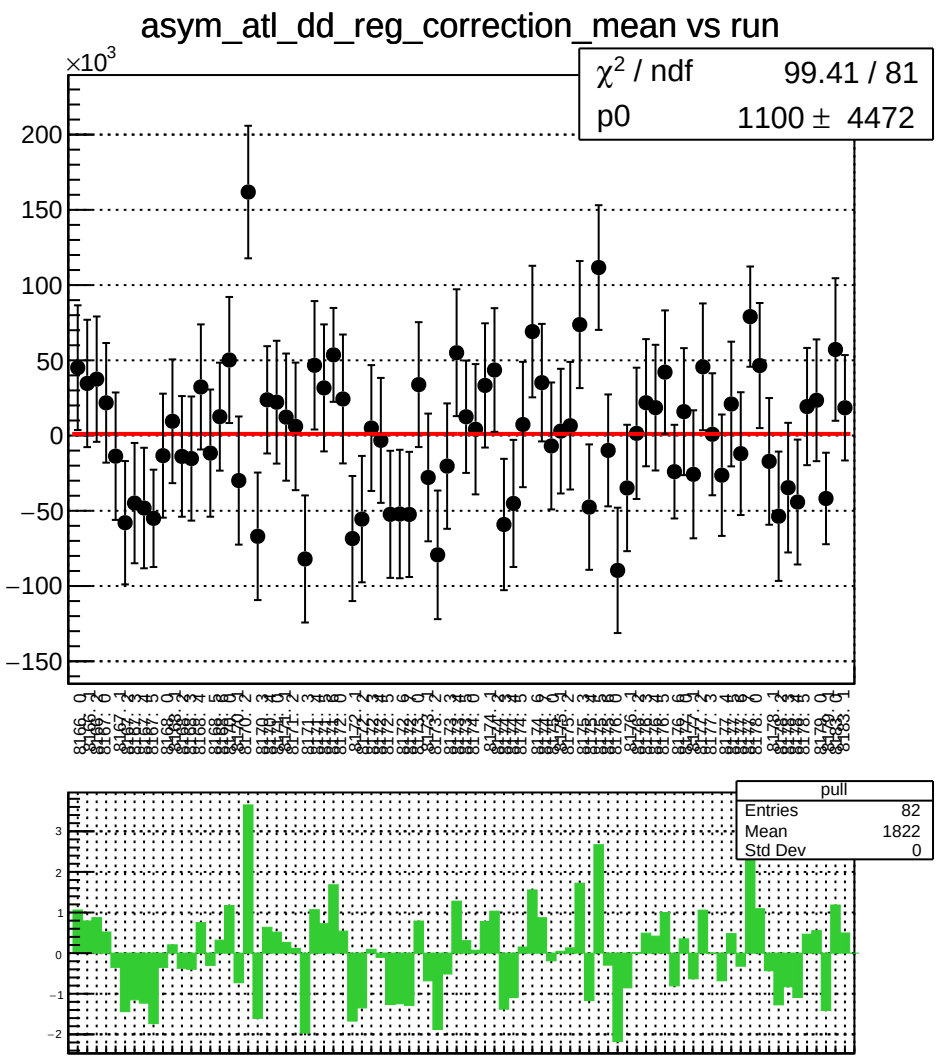

pull1D
Entries 82
Mean −0.01523
Std Dev 1.119

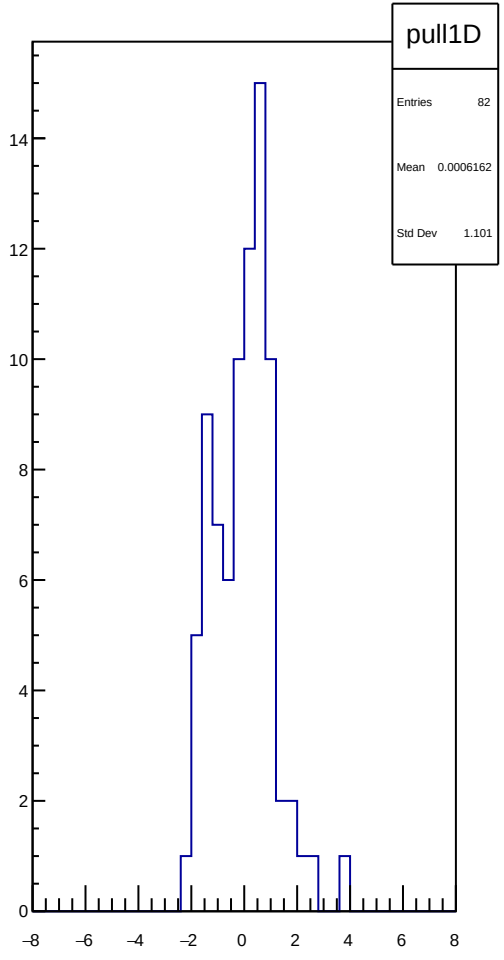

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.719e+05 / 81
p0 1.155e−10 ± 1.37e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

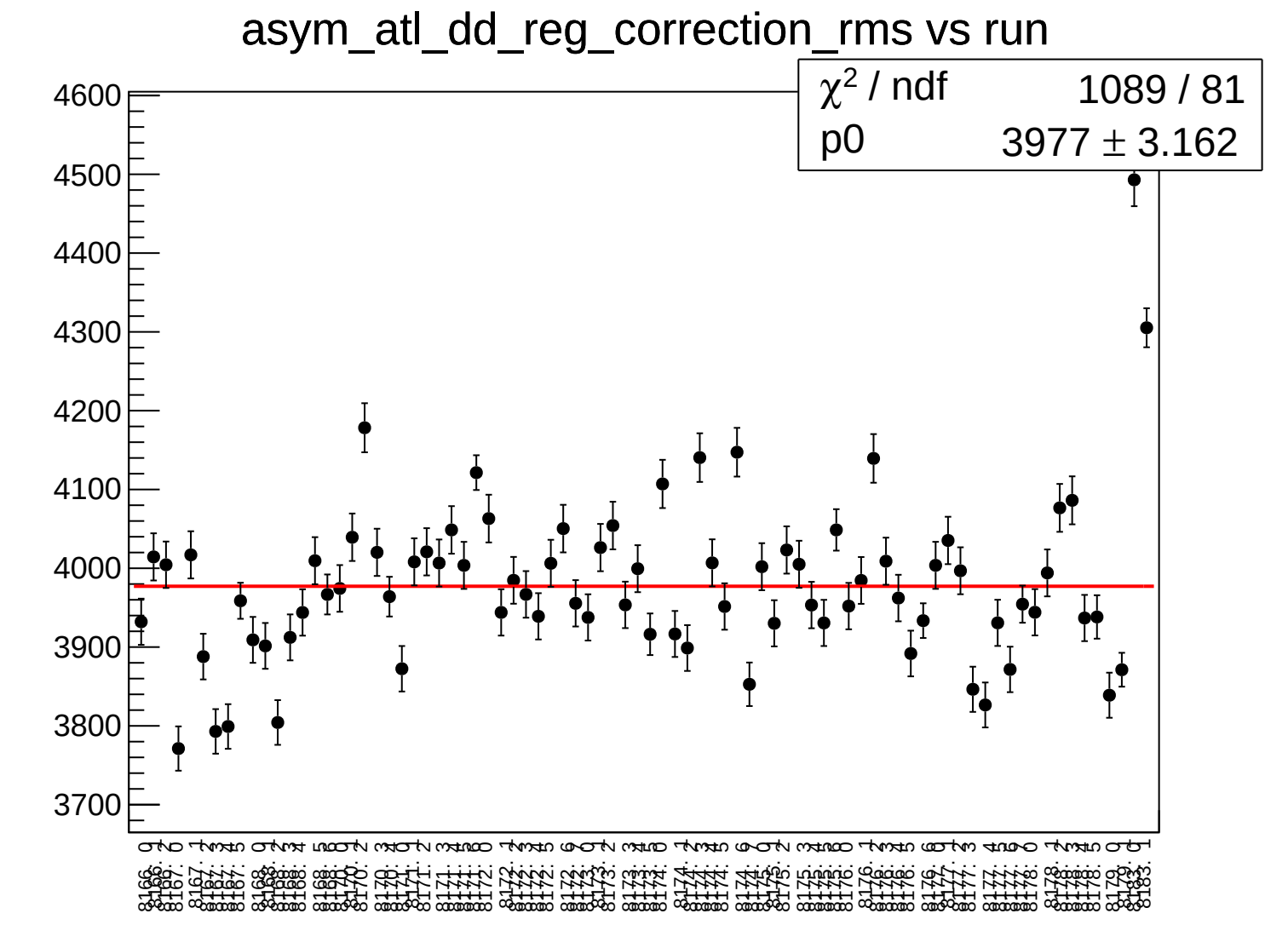

reg_asym_atl_dd_mean vs run
χ² / ndf 79.37 / 81
p0 −4030 ± 1847
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 278.8
Std Dev 0
2
1
0
−1
−2
−3
−4

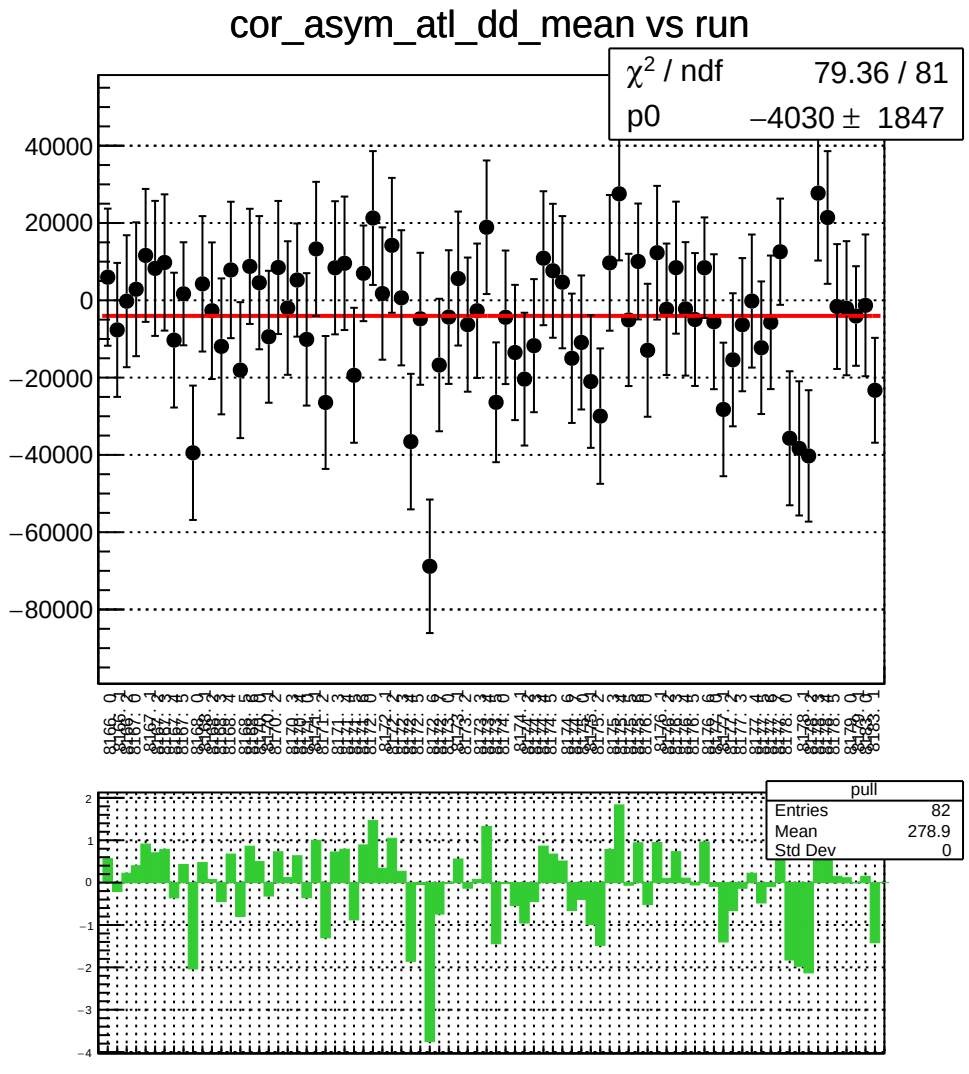

pull1D
Entries 82
Mean −0.01091
Std Dev 0.9837
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

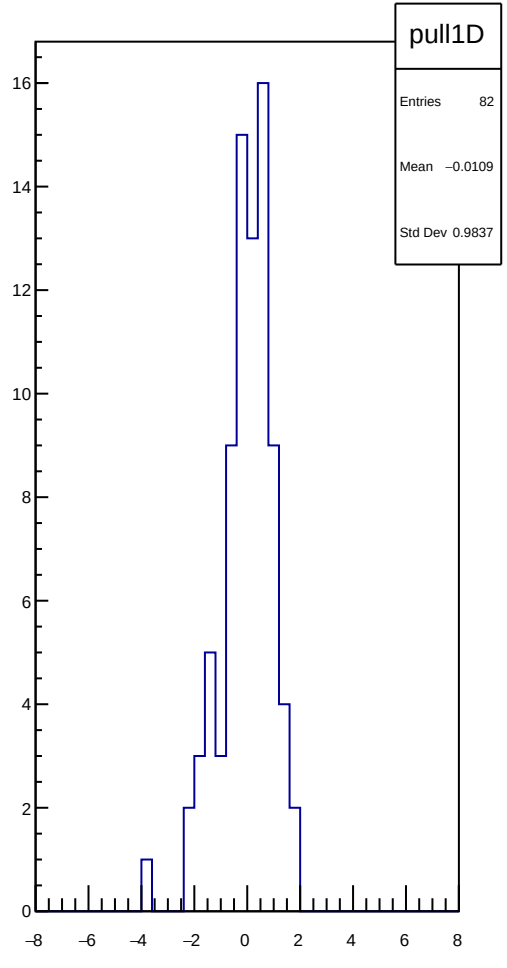

reg_asym_atl_dd_rms vs run
χ^2 / ndf 182 / 81
p0 1643 ± 1.306
1760
1740
1720
1700
1680
1660
1640
1620
1600

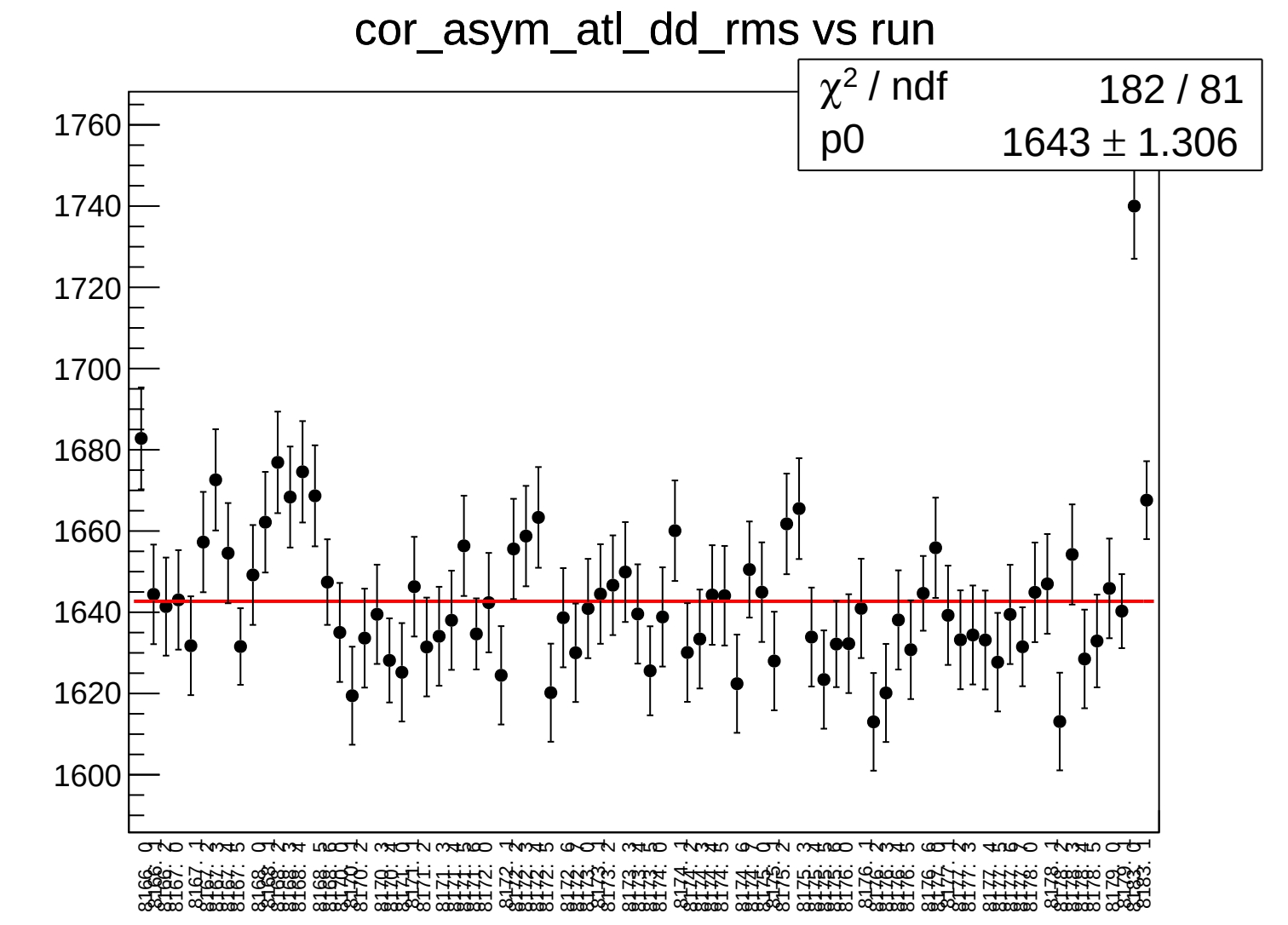

asym_atl_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 99.41 / 81
p0 1100 ± 4472
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 1822
Std Dev 0
3
2
1
0
−1
−2

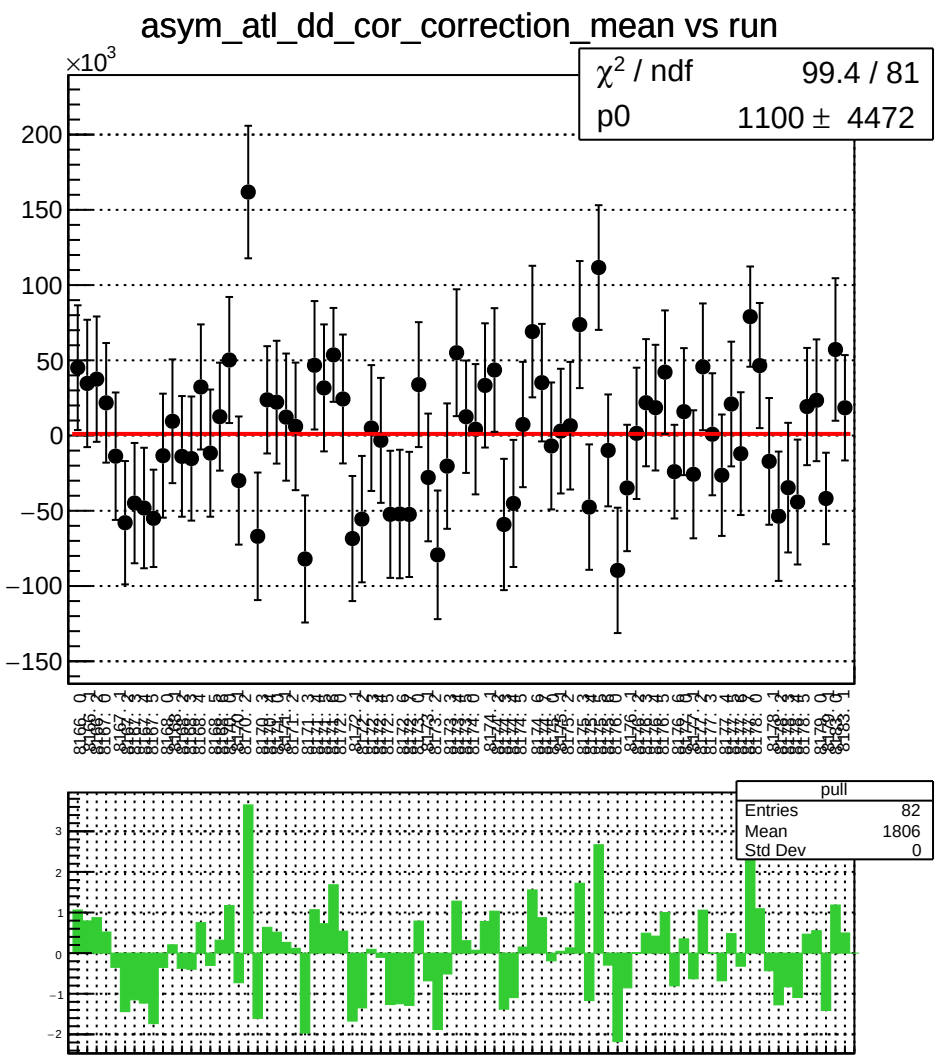

pull1D
Entries 82
Mean 0.0006162
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

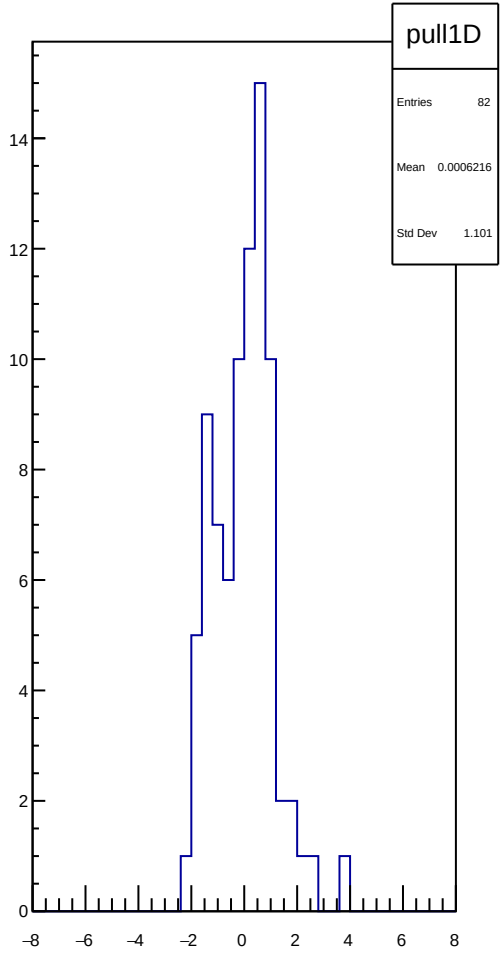

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1089 / 81
p0 3977 ± 3.162
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700

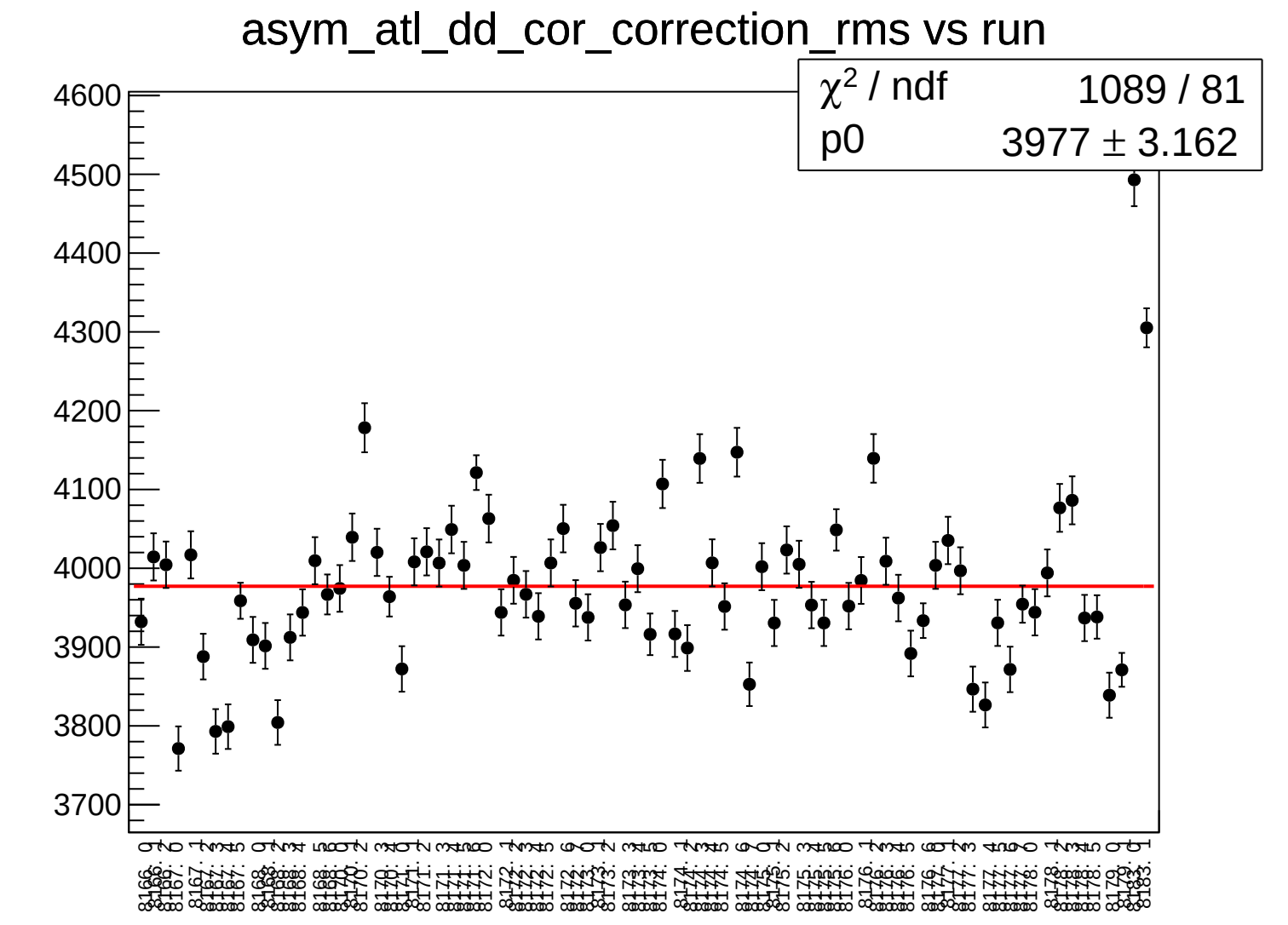

cor_asym_atl_dd_mean vs run
χ² / ndf 79.36 / 81
p0 −4030 ± 1847
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 278.9
Std Dev 0
2
1
0
−1
−2
−3
−4

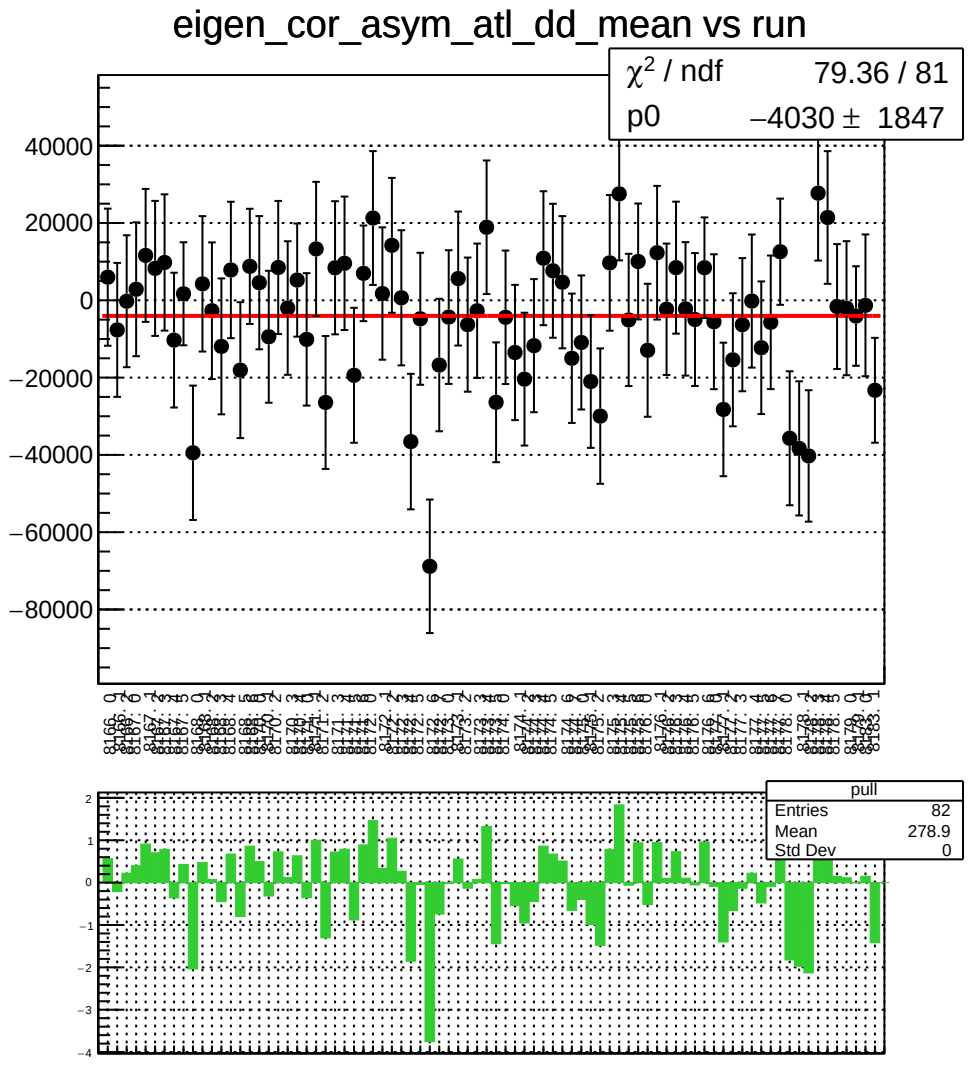

pull1D
Entries 82
Mean −0.0109
Std Dev 0.9837
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

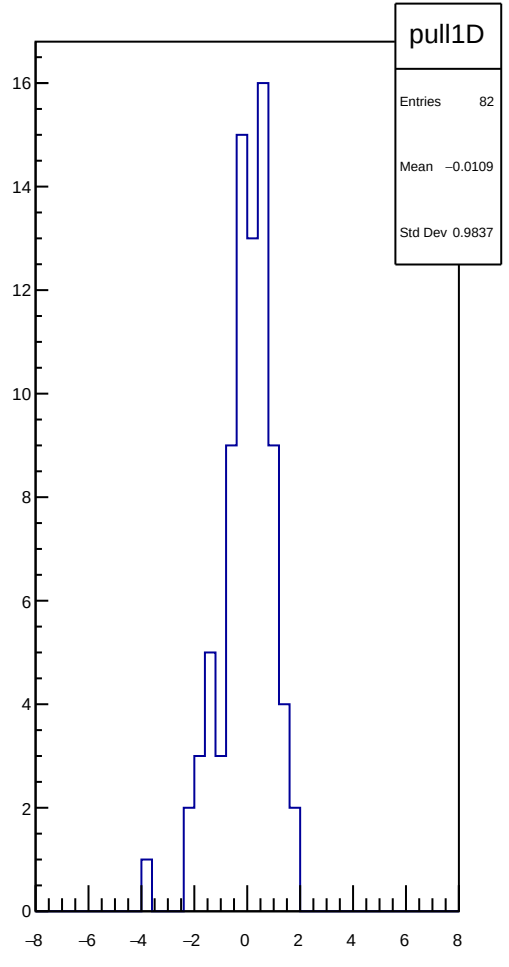

cor_asym_atl_dd_rms vs run
χ² / ndf 182 / 81
p0 1643 ± 1.306
1760
1740
1720
1700
1680
1660
1640
1620
1600

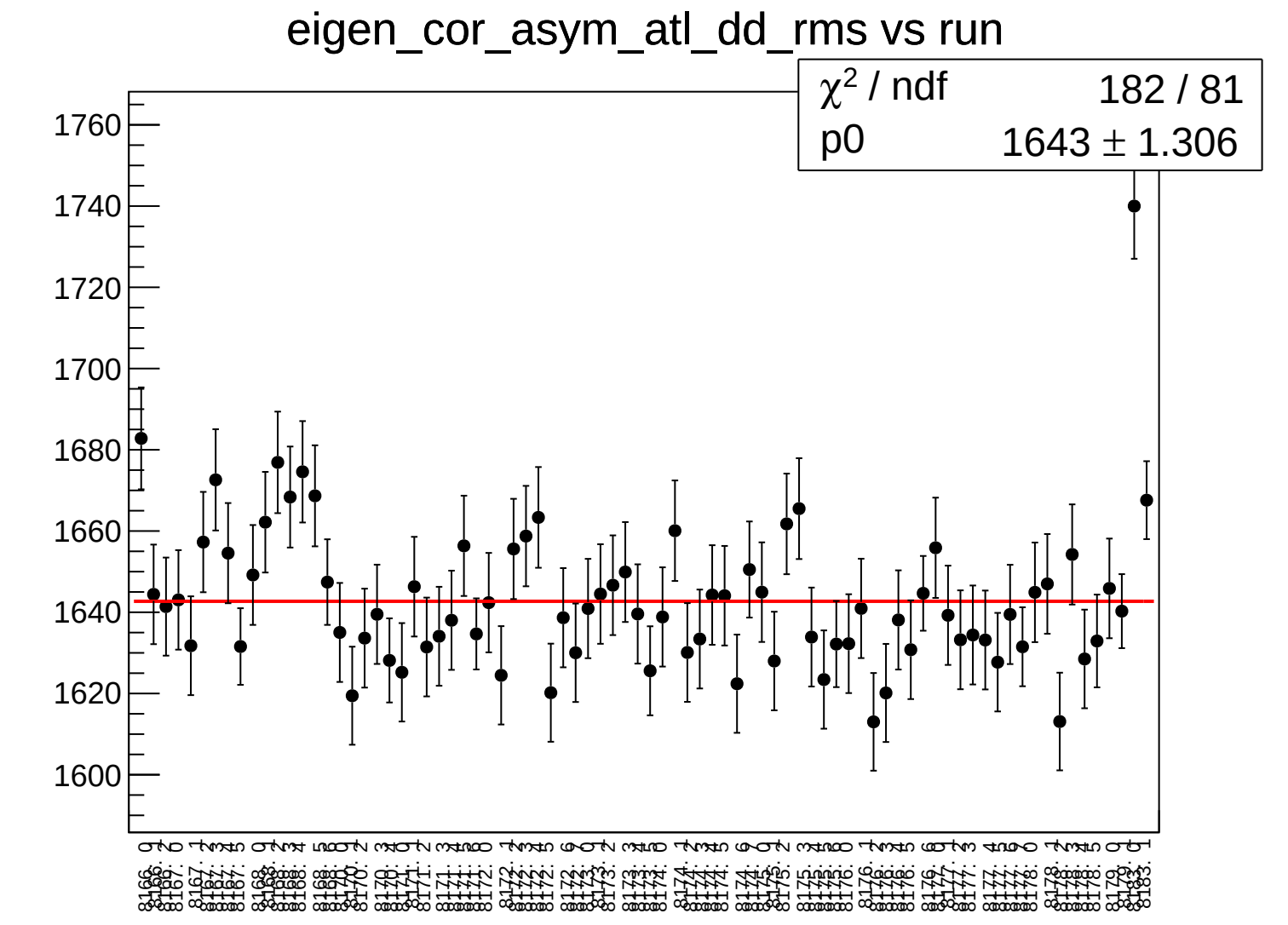

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 99.4 / 81
p0 1100 ± 4472
×10³
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 1806
Std Dev 0
3
2
1
0
−1
−2

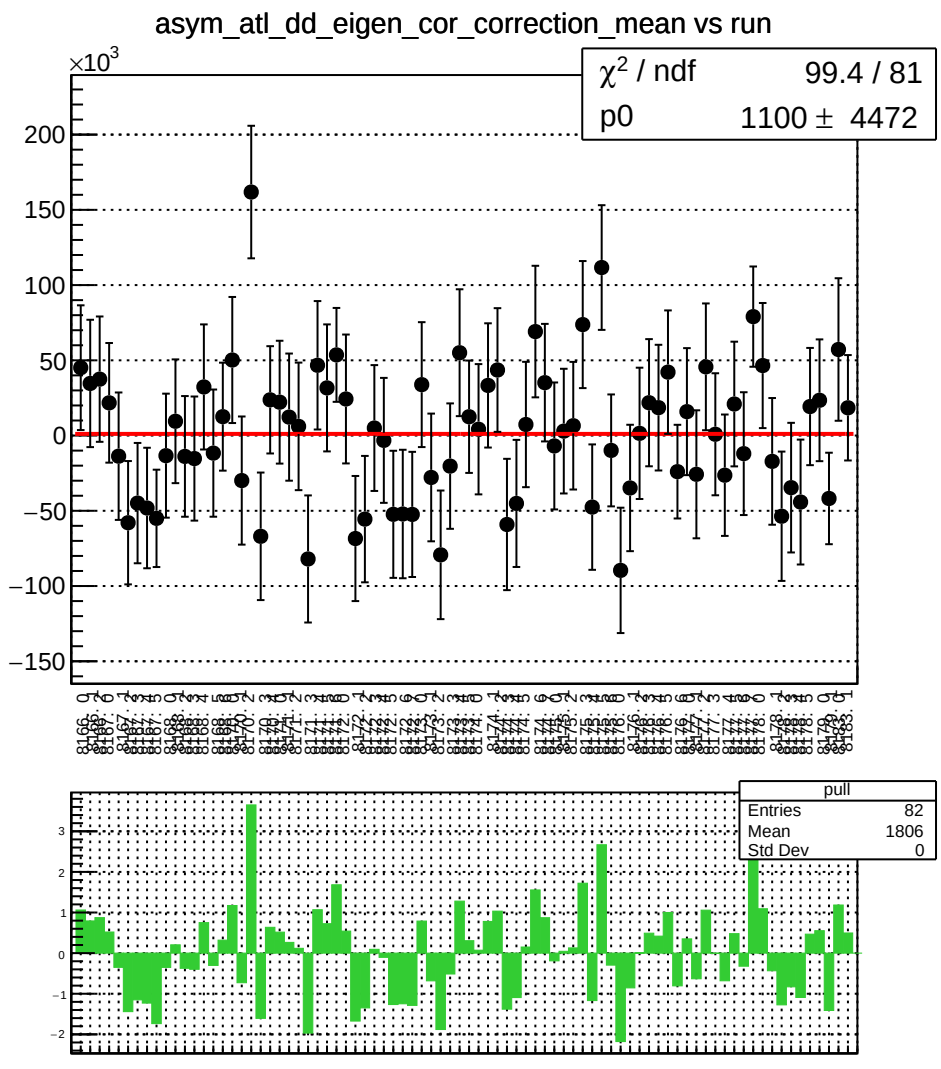

pull1D
Entries 82
Mean 0.0006216
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

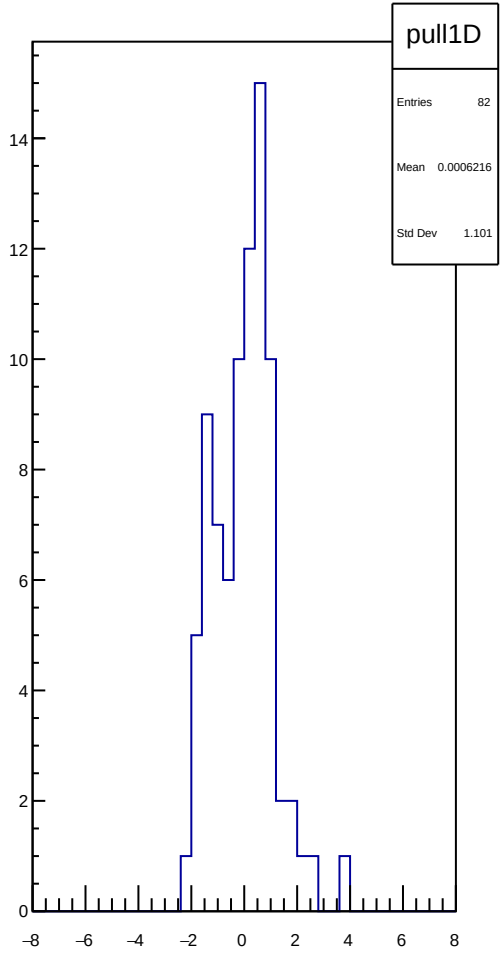

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1089 / 81
p0 3977 ± 3.162
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700

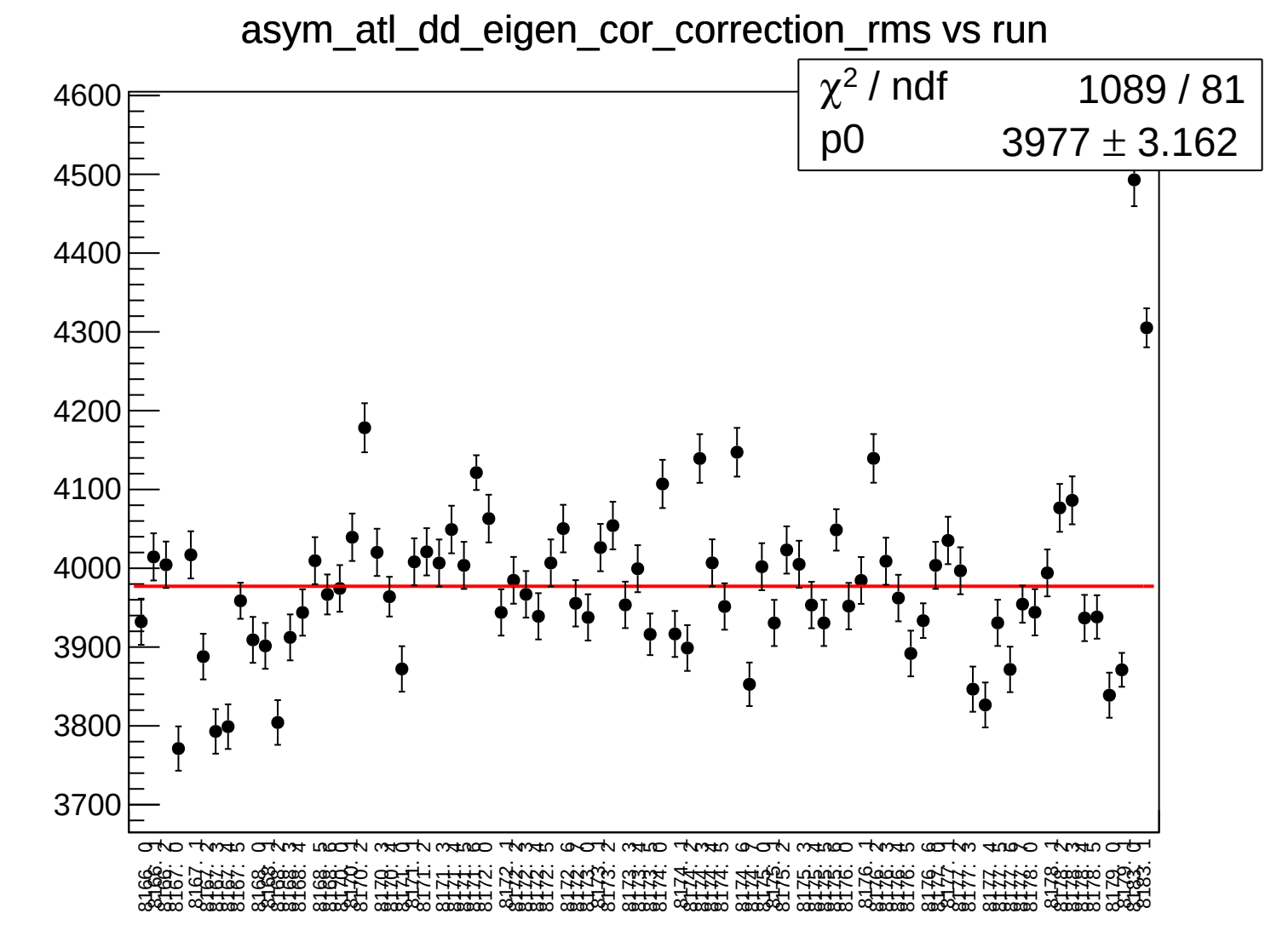

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 79.36 / 81
p0 −4030 ± 1847
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 278.9
Std Dev 0

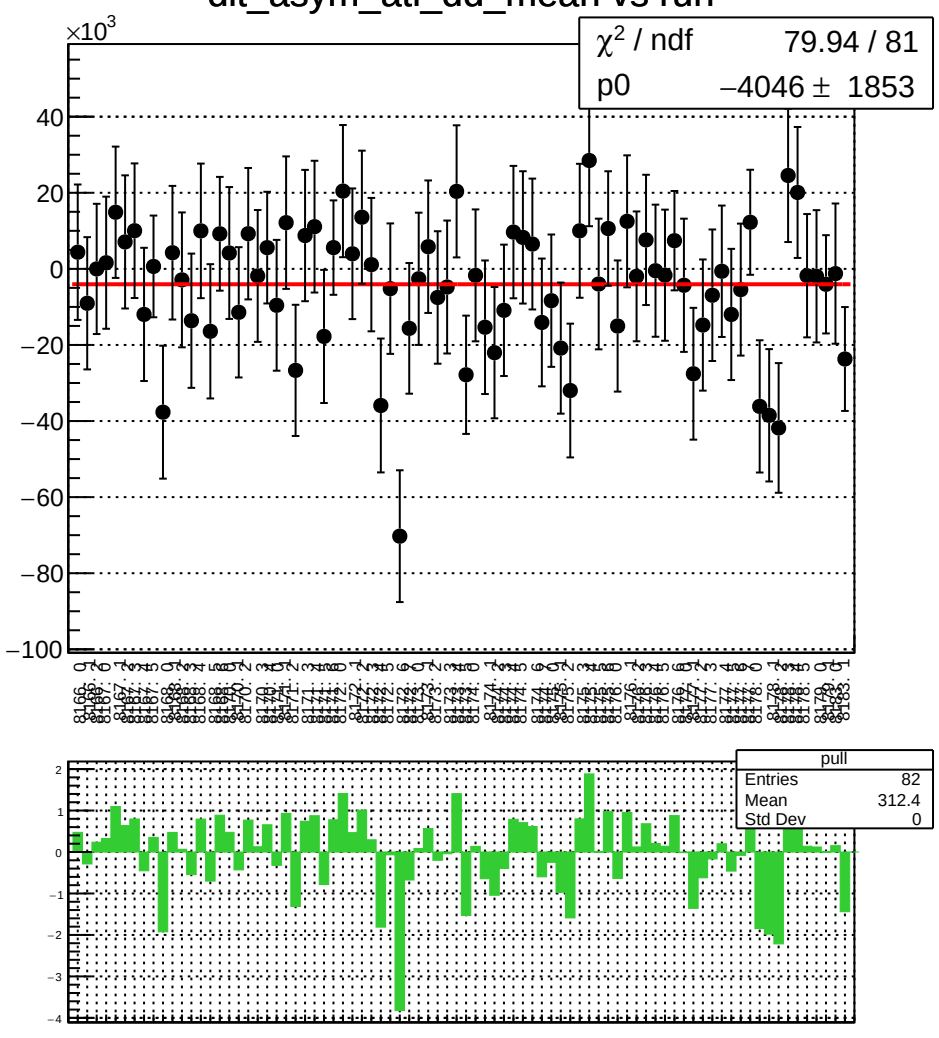

pull1D
Entries 82
Mean −0.0109
Std Dev 0.9837
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

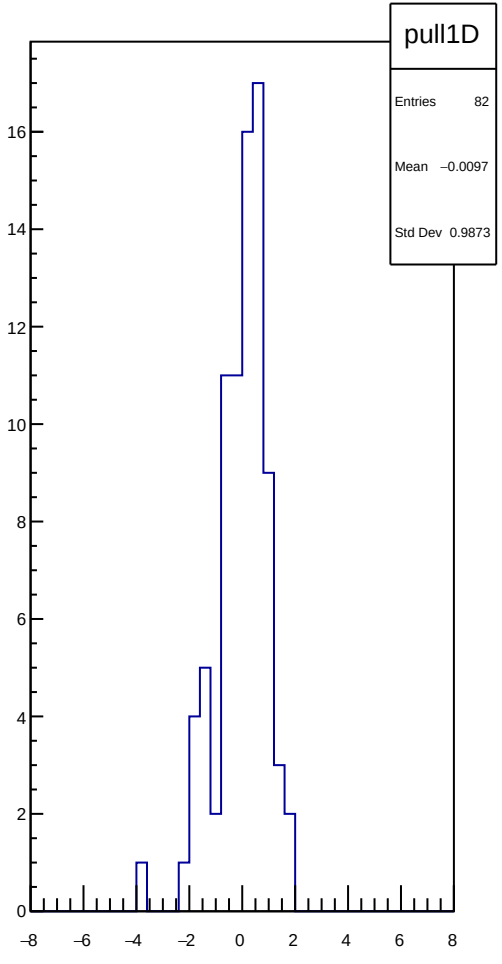

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 182 / 81
p0 1643 ± 1.306
1760
1740
1720
1700
1680
1660
1640
1620
1600

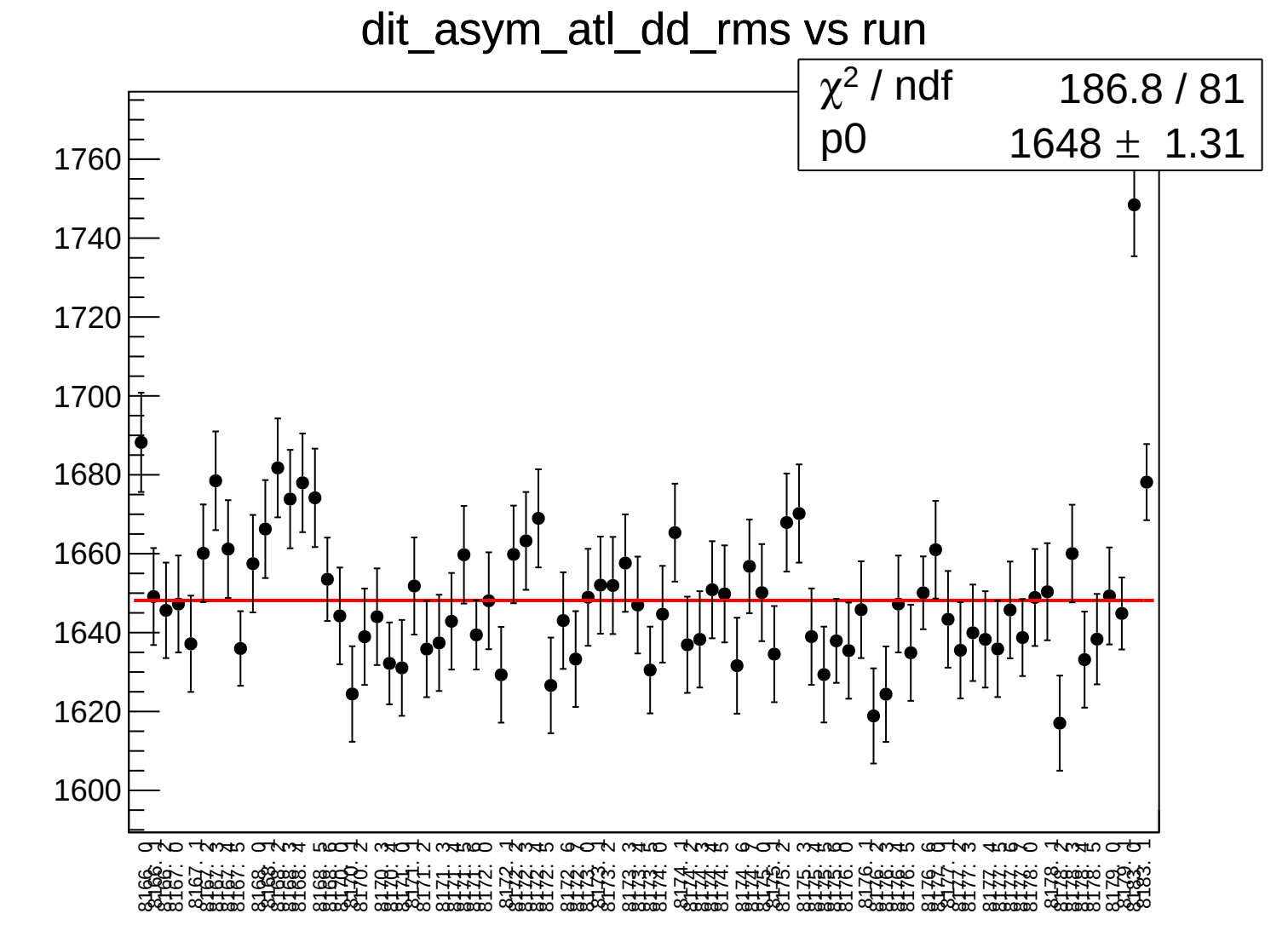

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 99.4 / 81
p0 1100 ± 4472
pull
Entries 82
Mean 1806
Std Dev 0

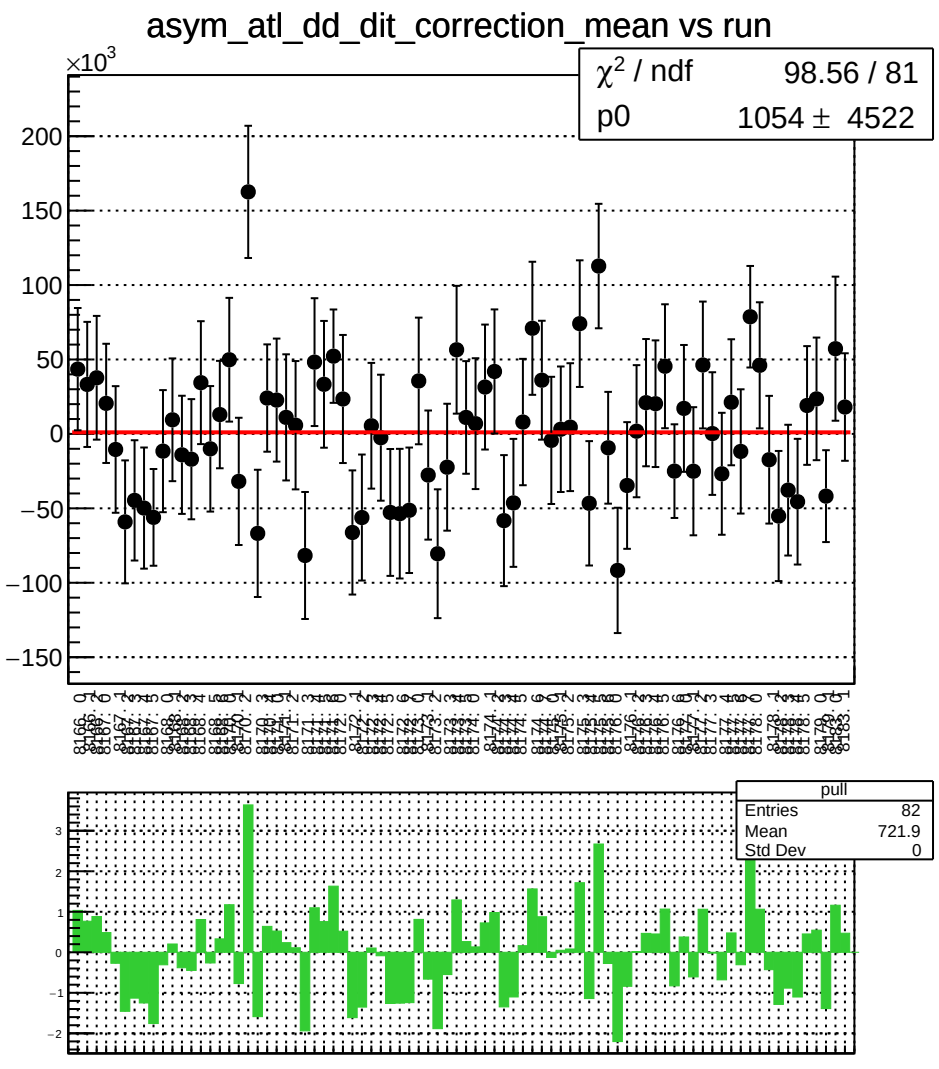

pull1D
Entries 82
Mean 0.0006216
Std Dev 1.101

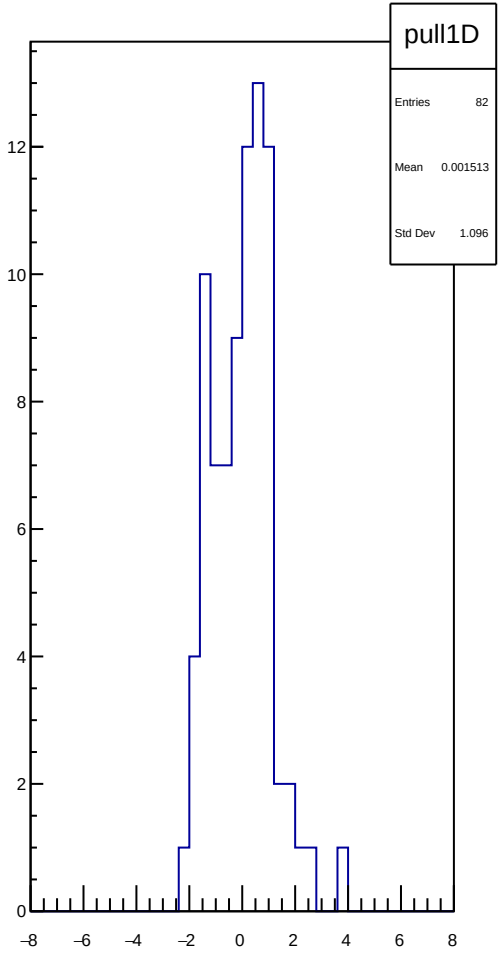

asym_atl_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 1089 / 81
p0 3977 ± 3.162
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700

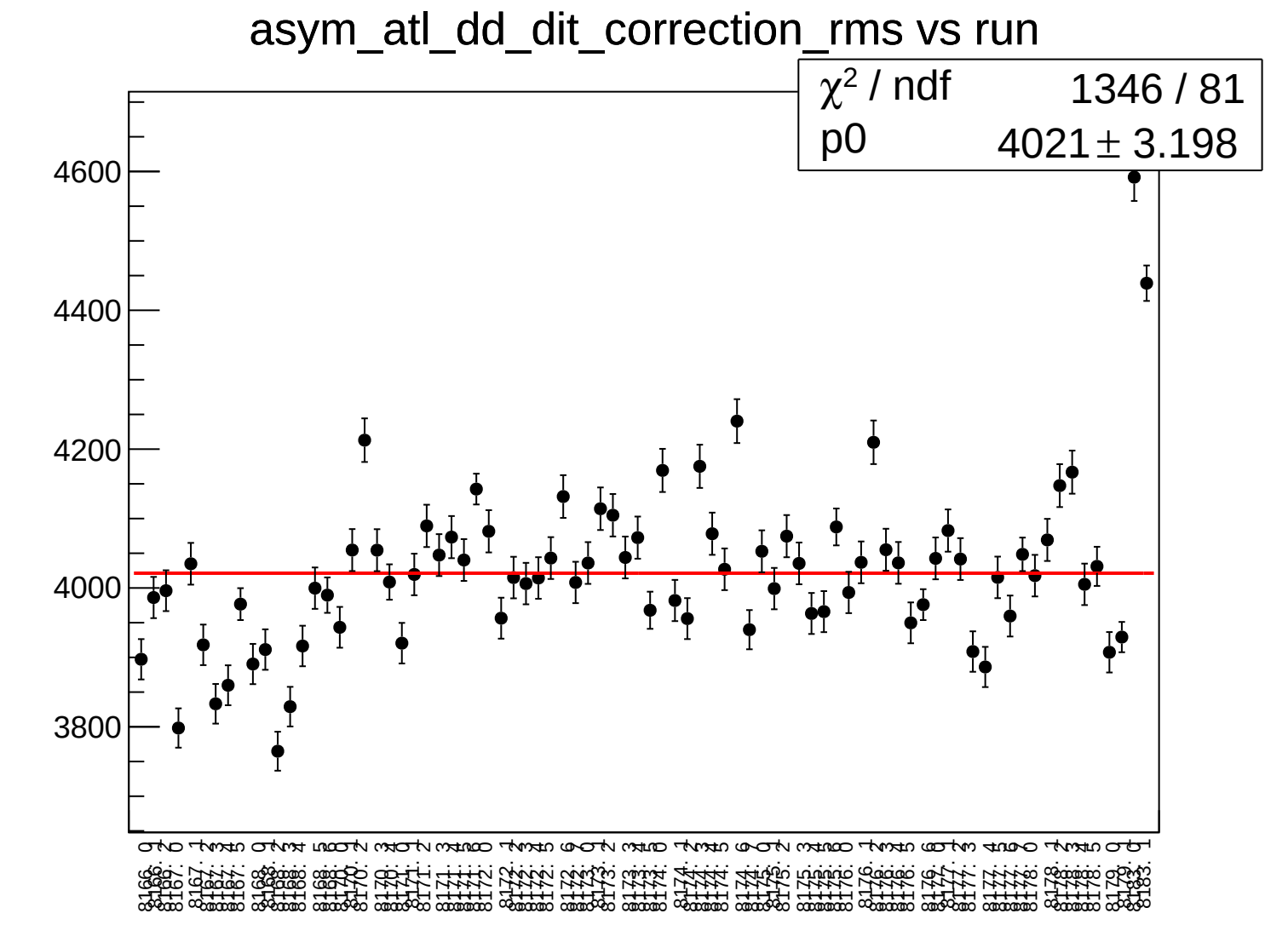

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 79.94 / 81
p0 −4046 ± 1853
pull
Entries 82
Mean 312.4
Std Dev 0

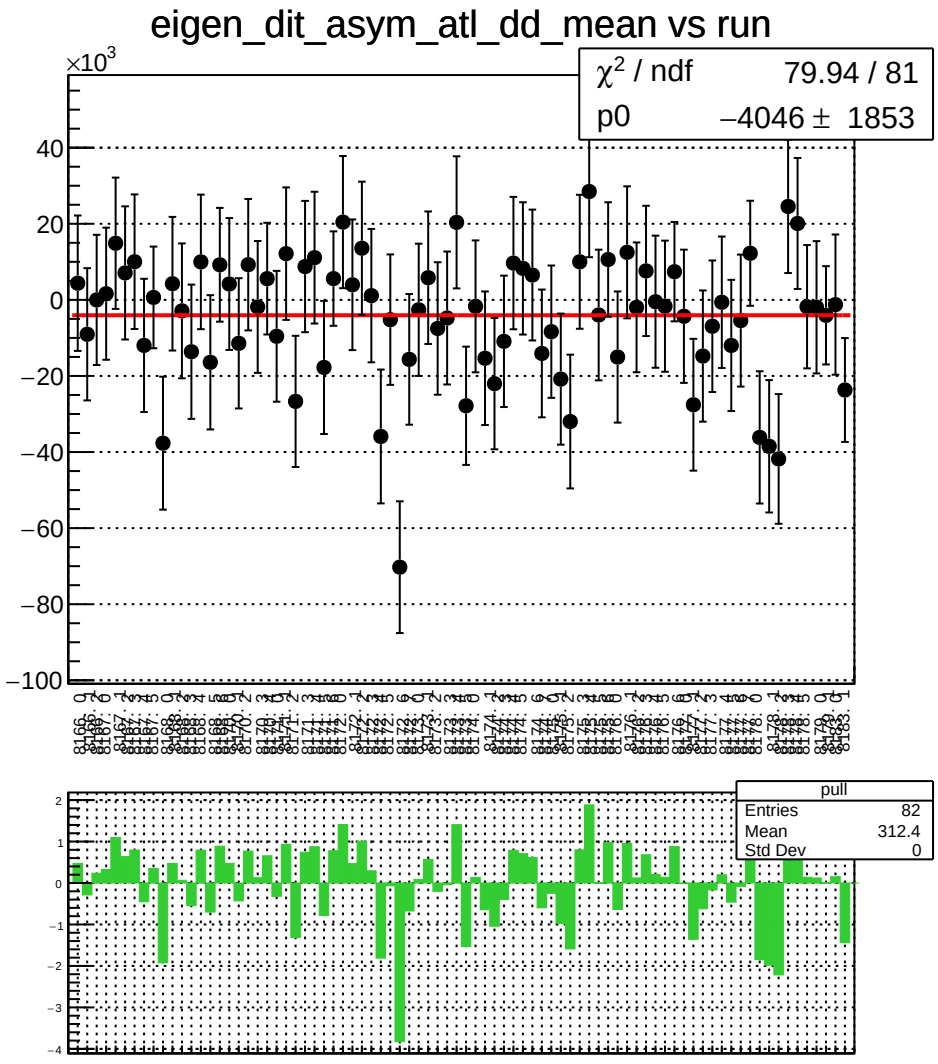

pull1D
Entries 82
Mean −0.0097
Std Dev 0.9873

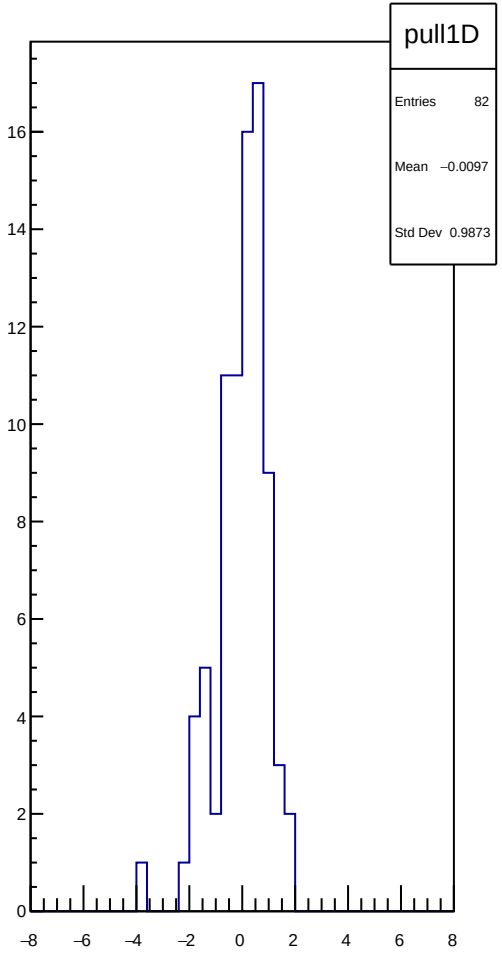

dit_asym_atl_dd_rms vs run
χ^2 / ndf 186.8 / 81
p0 1648 ± 1.31
1760
1740
1720
1700
1680
1660
1640
1620
1600

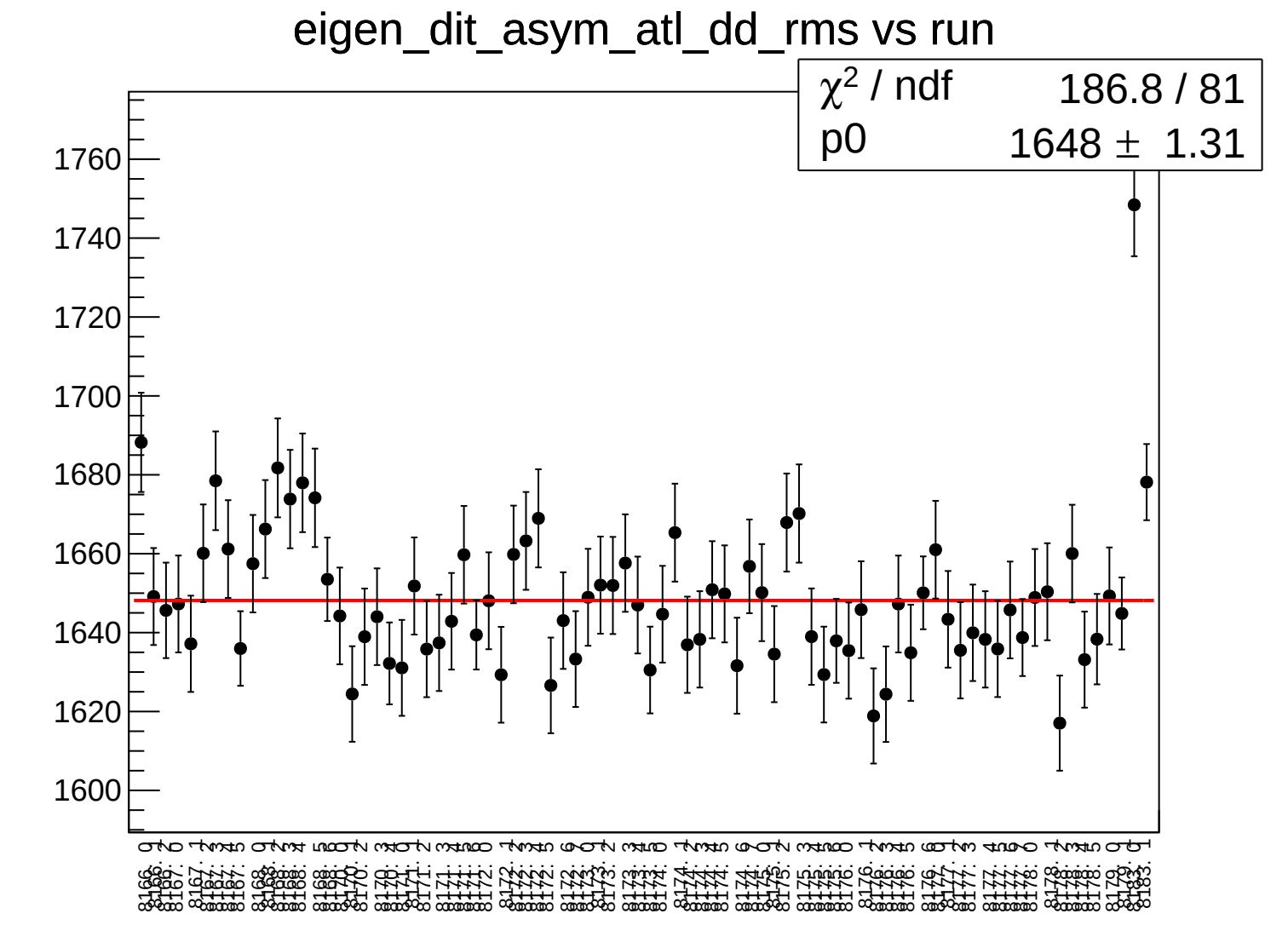

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 98.56 / 81
p0 1054 ± 4522
×10³
pull
Entries 82
Mean 721.9
Std Dev 0

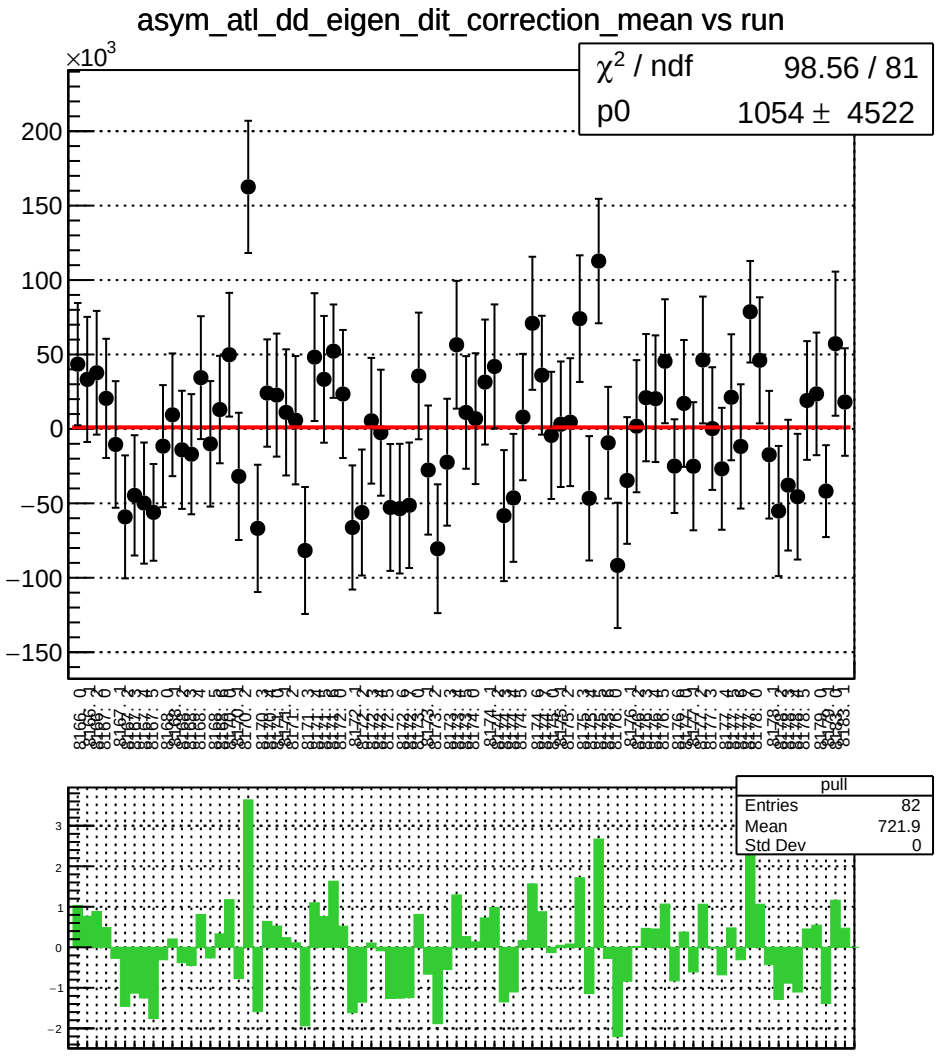

pull1D
Entries 82
Mean 0.001513
Std Dev 1.096

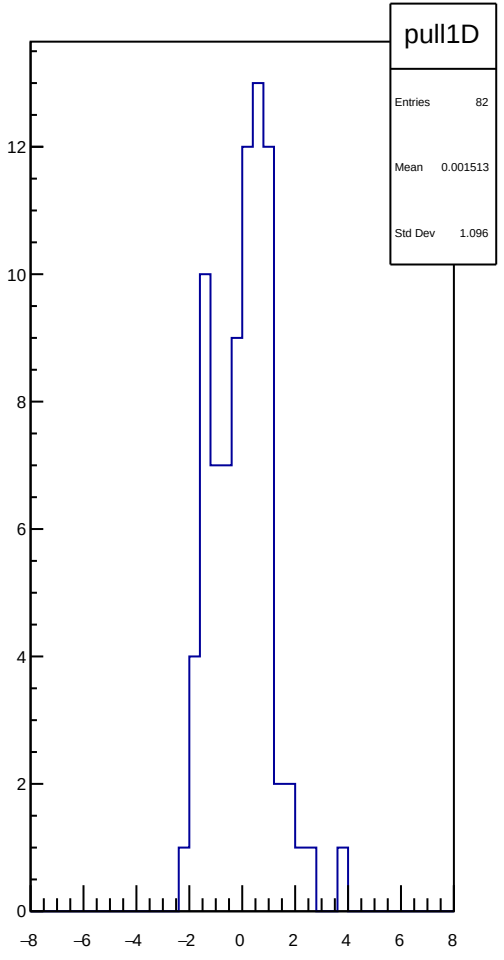

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 1346 / 81
p0 4021 ± 3.198
4600
4400
4200
4000
3800

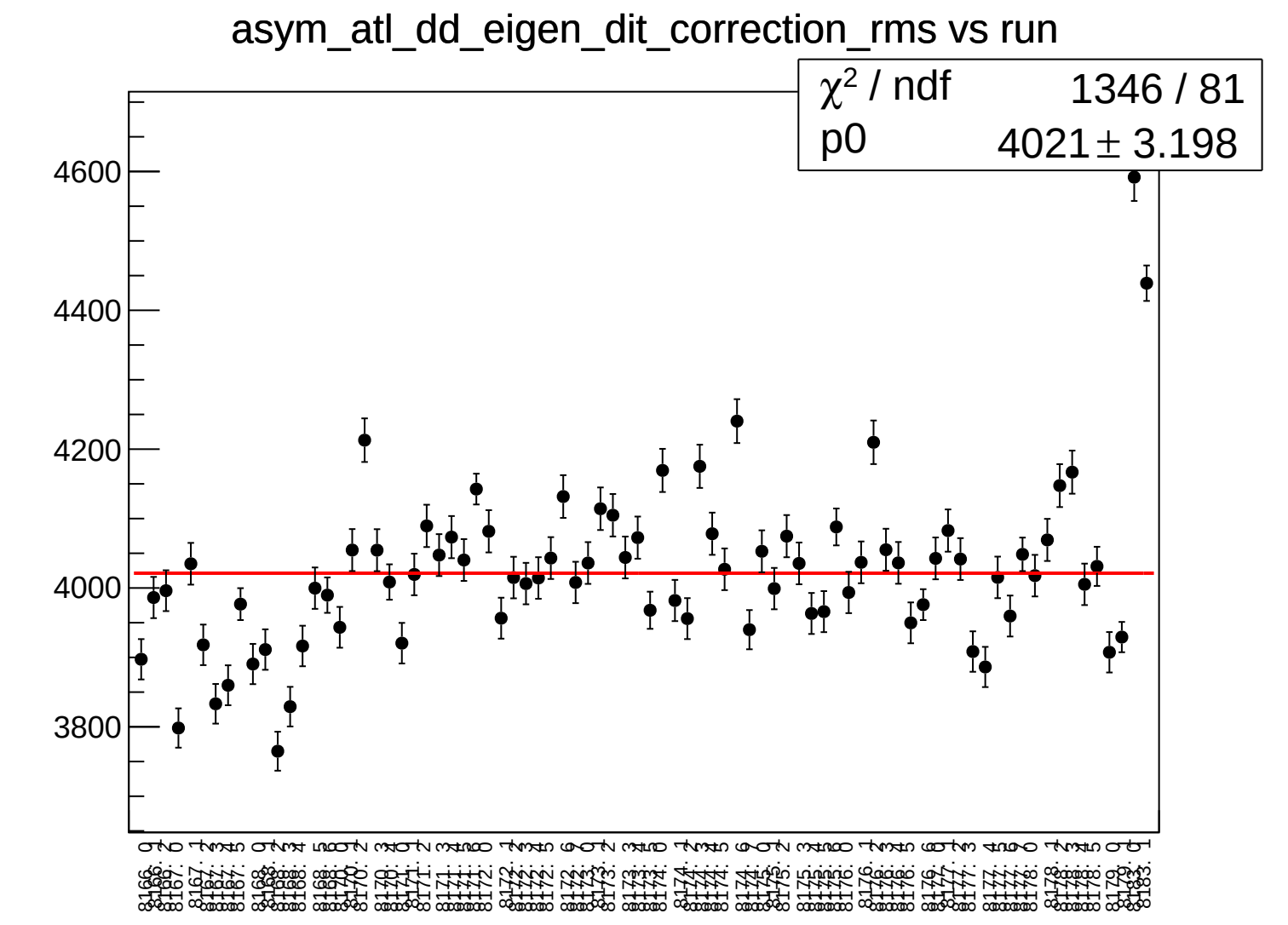

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 79.94 / 81
p0 −4046 ± 1853
×10³
pull
Entries 82
Mean 312.4
Std Dev 0

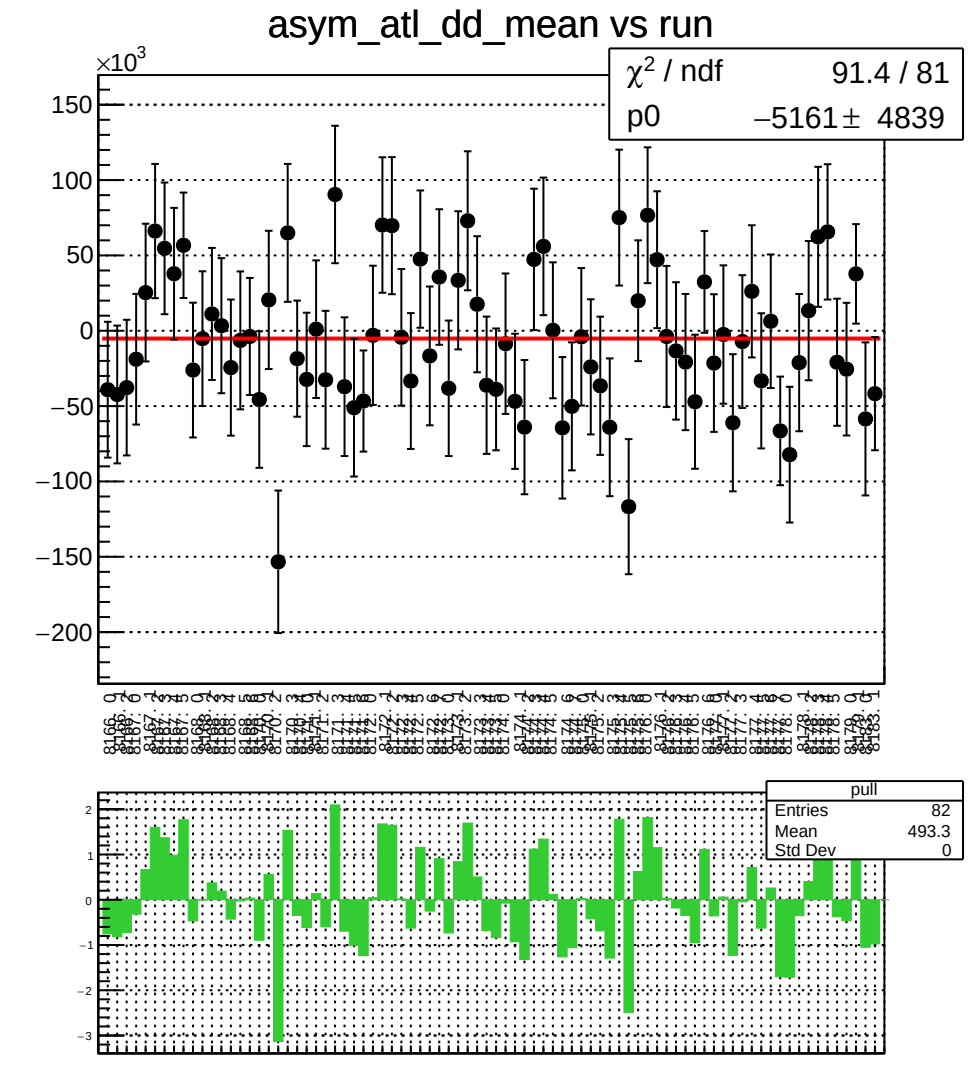

pull1D
Entries 82
Mean −0.0097
Std Dev 0.9873

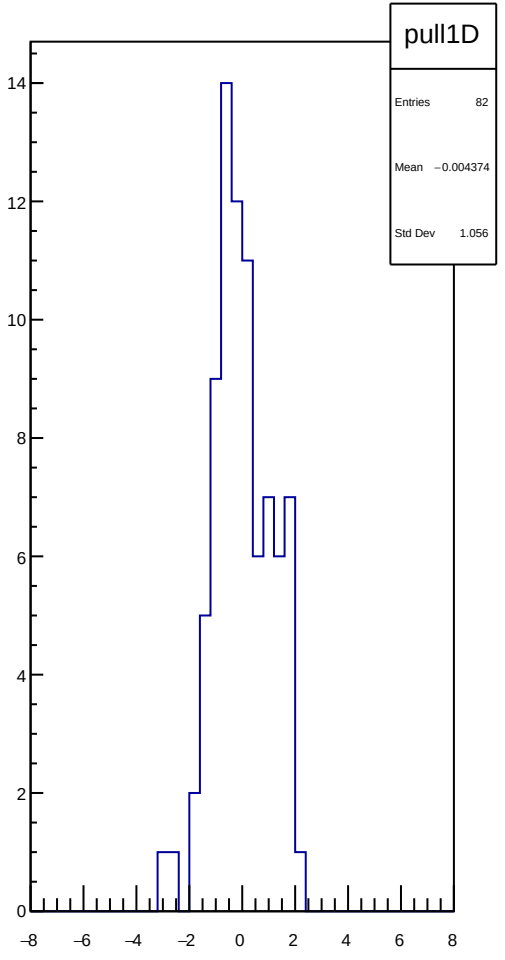

eigen_dit_asym_atl_dd_rms vs run
χ^2 / ndf 186.8 / 81
p0 1648 ± 1.31
1760
1740
1720
1700
1680
1660
1640
1620
1600

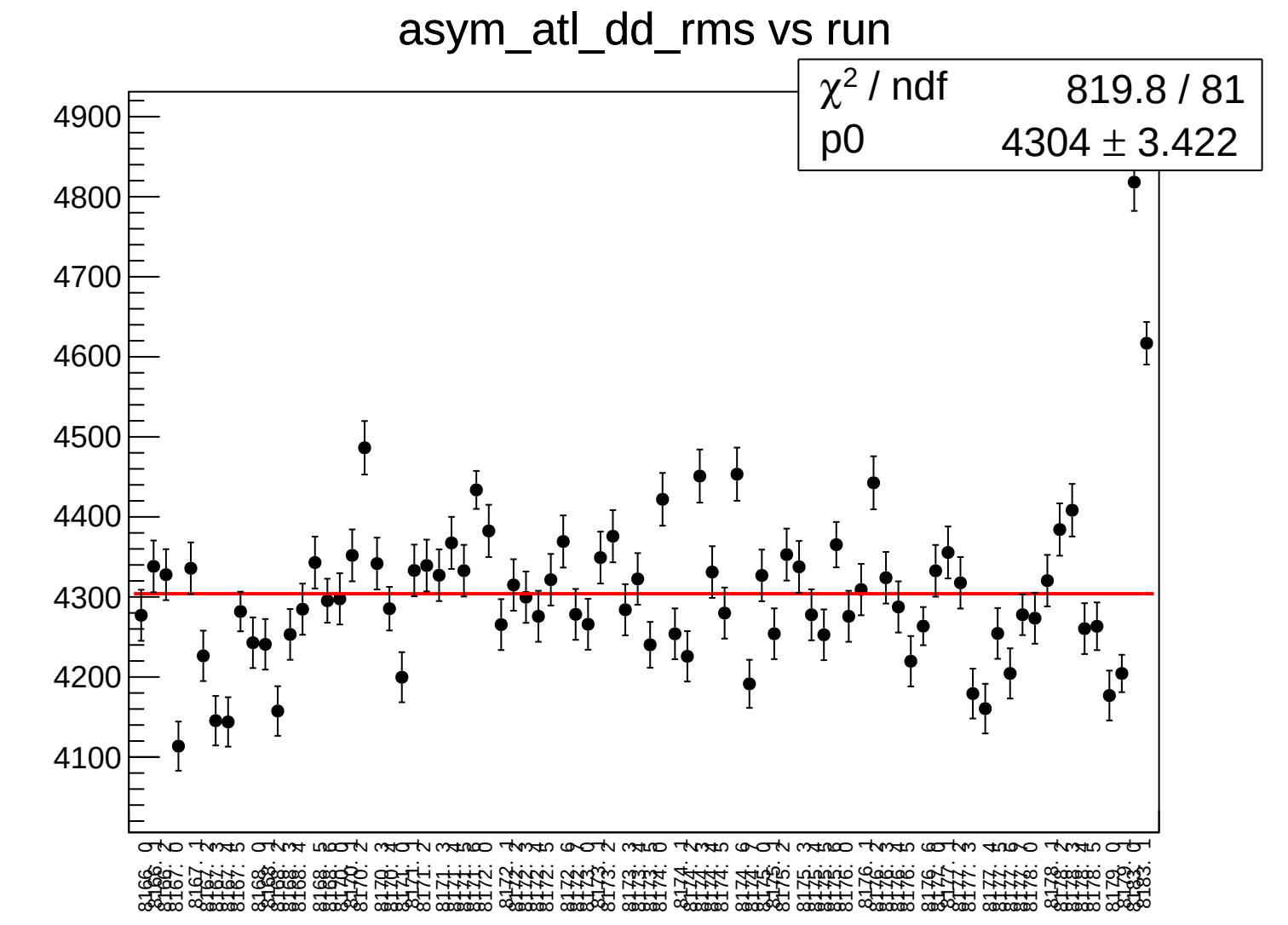

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 98.56 / 81
p0 1054 ± 4522
pull
Entries 82
Mean 721.9
Std Dev 0

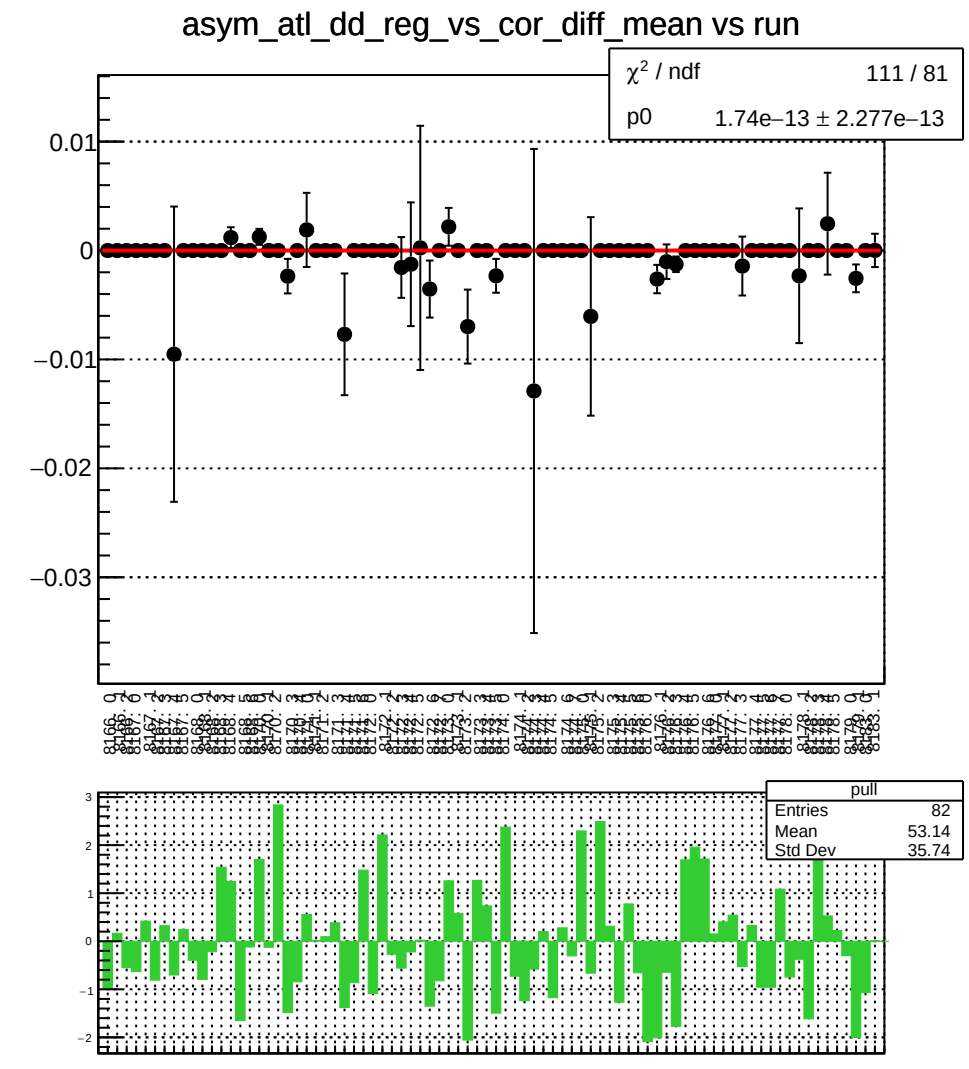

pull1D
Entries 82
Mean 0.001513
Std Dev 1.096

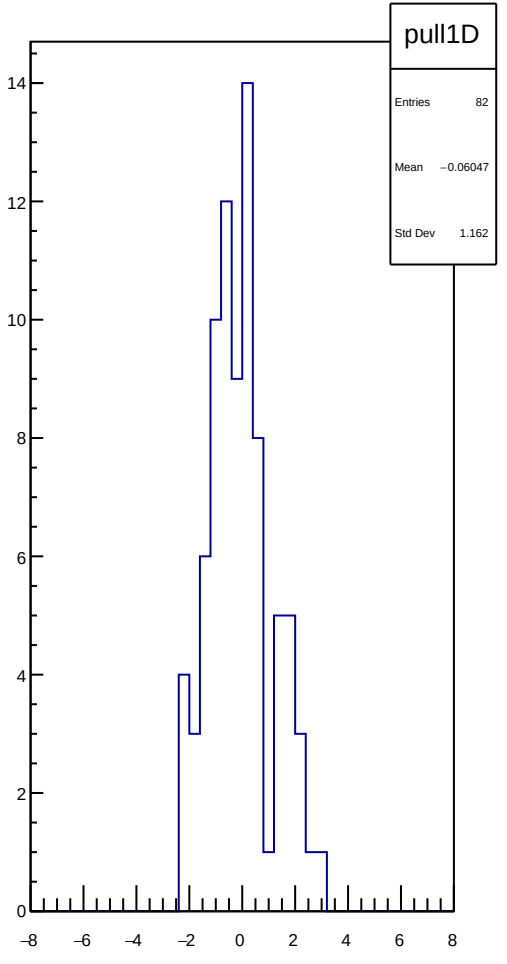

asym_atl_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1346 / 81
p0 4021 ± 3.198
4600
4400
4200
4000
3800

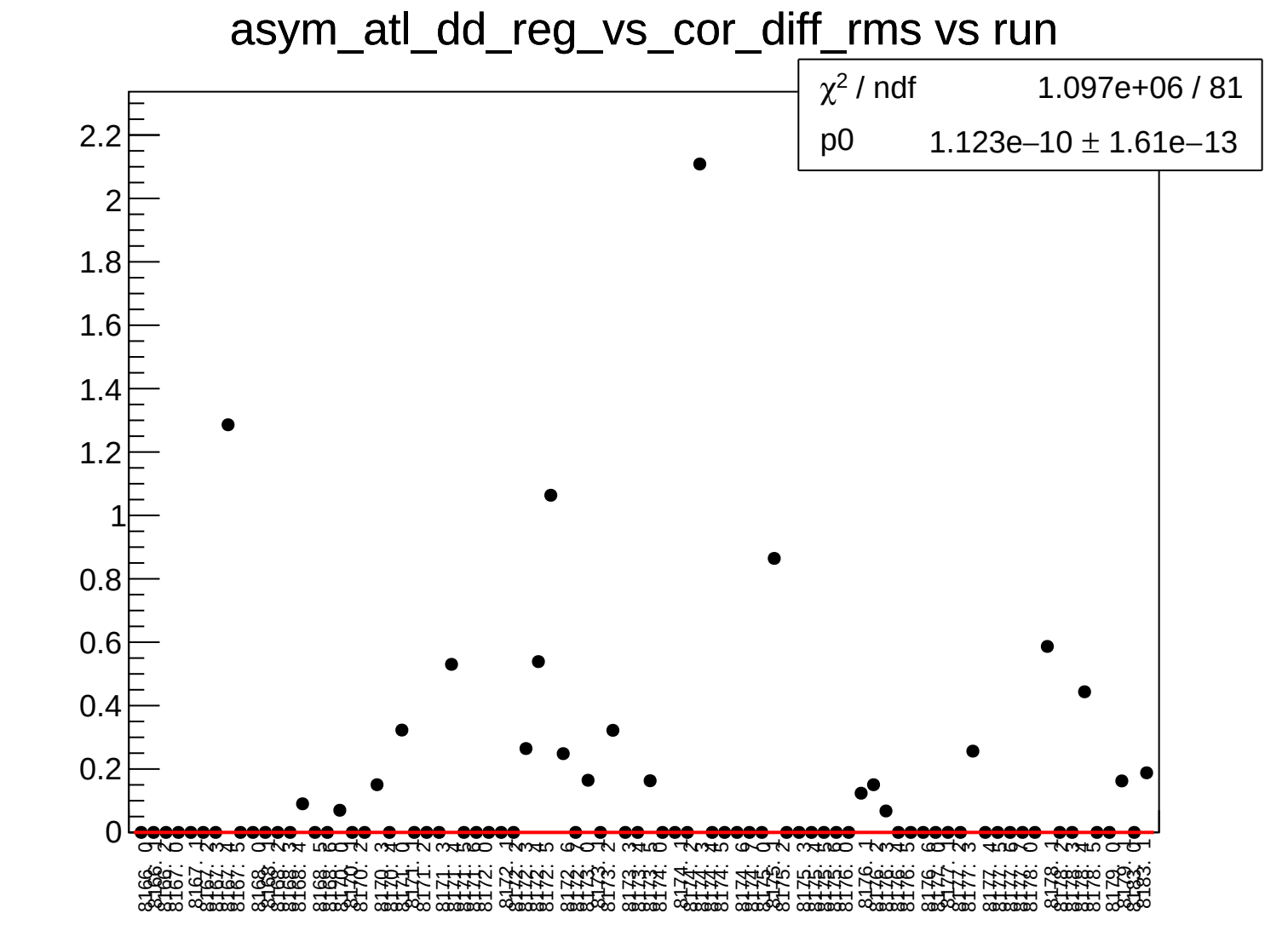

asym_atl_dd_mean vs run
×10^3
χ² / ndf 91.4 / 81
p0 −5161 ± 4839
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 493.3
Std Dev 0
2
1
0
−1
−2
−3

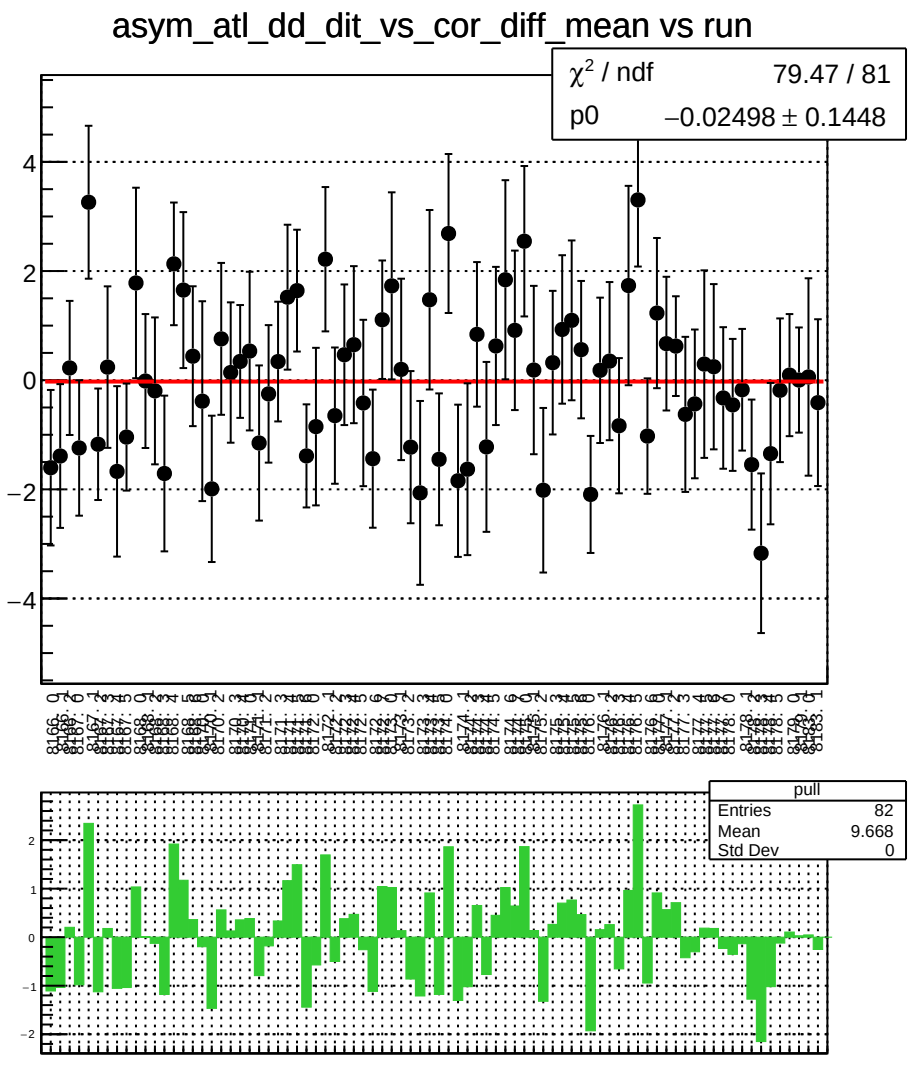

pull1D
Entries 82
Mean −0.004374
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

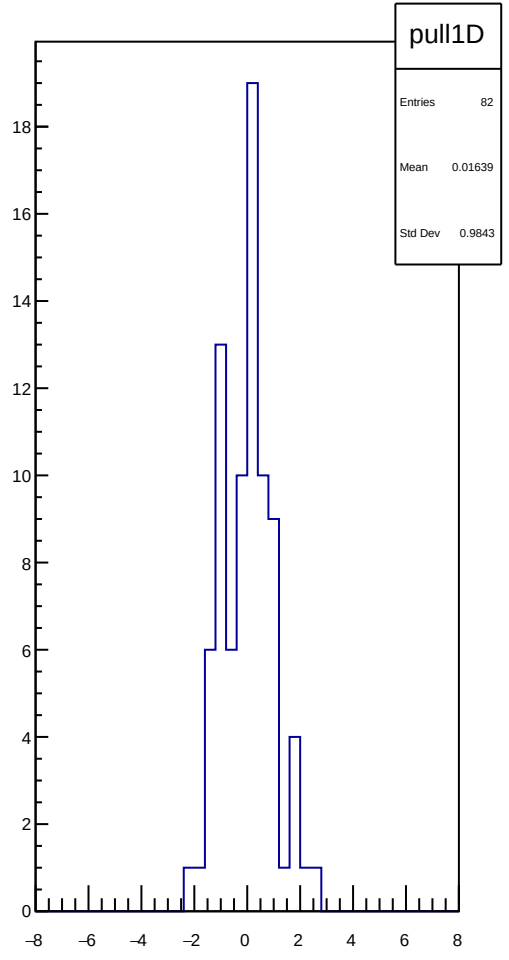

asym_atl_dd_rms vs run
χ^2 / ndf 819.8 / 81
p0 4304 ± 3.422
4900
4800
4700
4600
4500
4400
4300
4200
4100

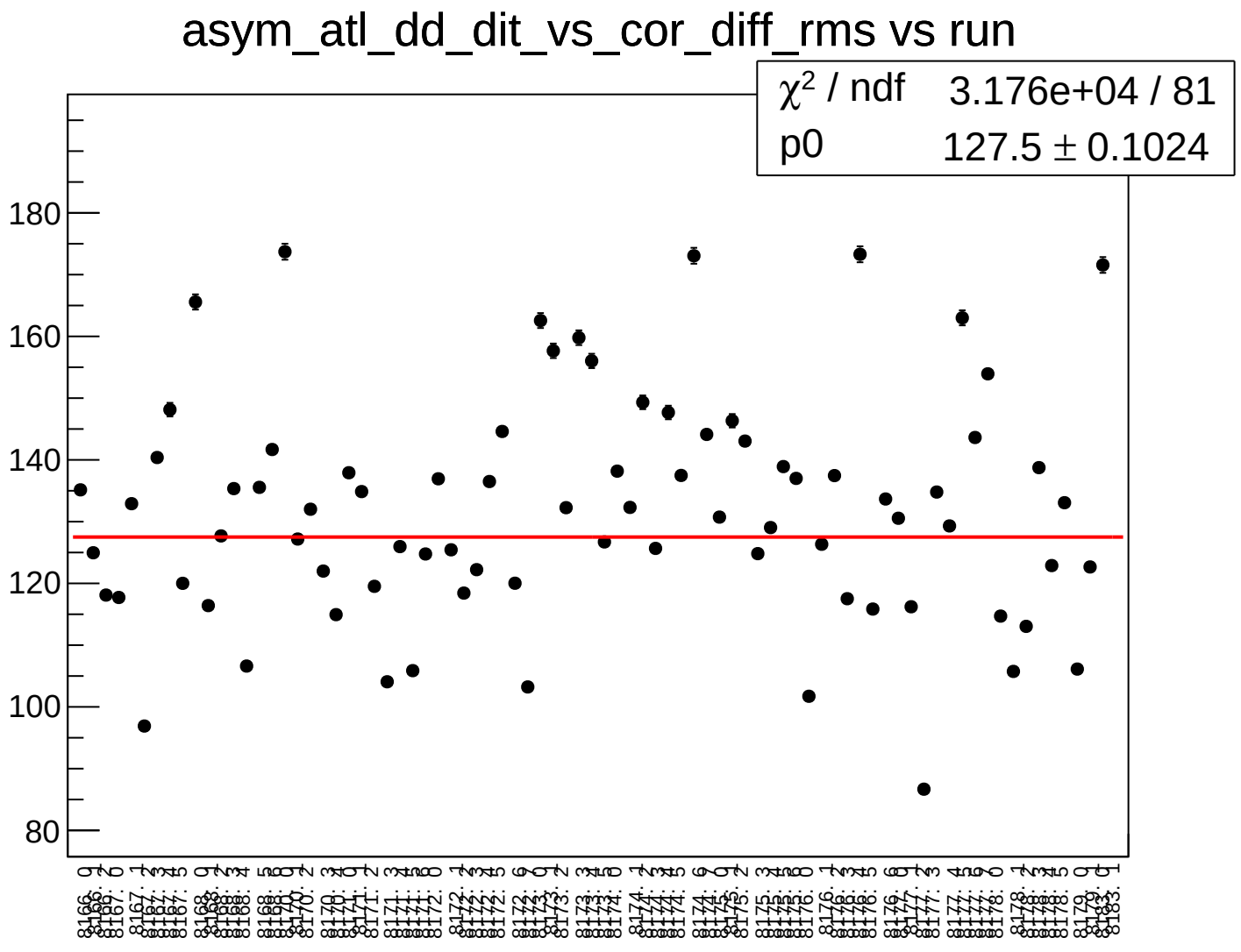

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 111 / 81
p0 1.74e−13 ± 2.277e−13
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean 53.14
Std Dev 35.74
3
2
1
0
−1
−2

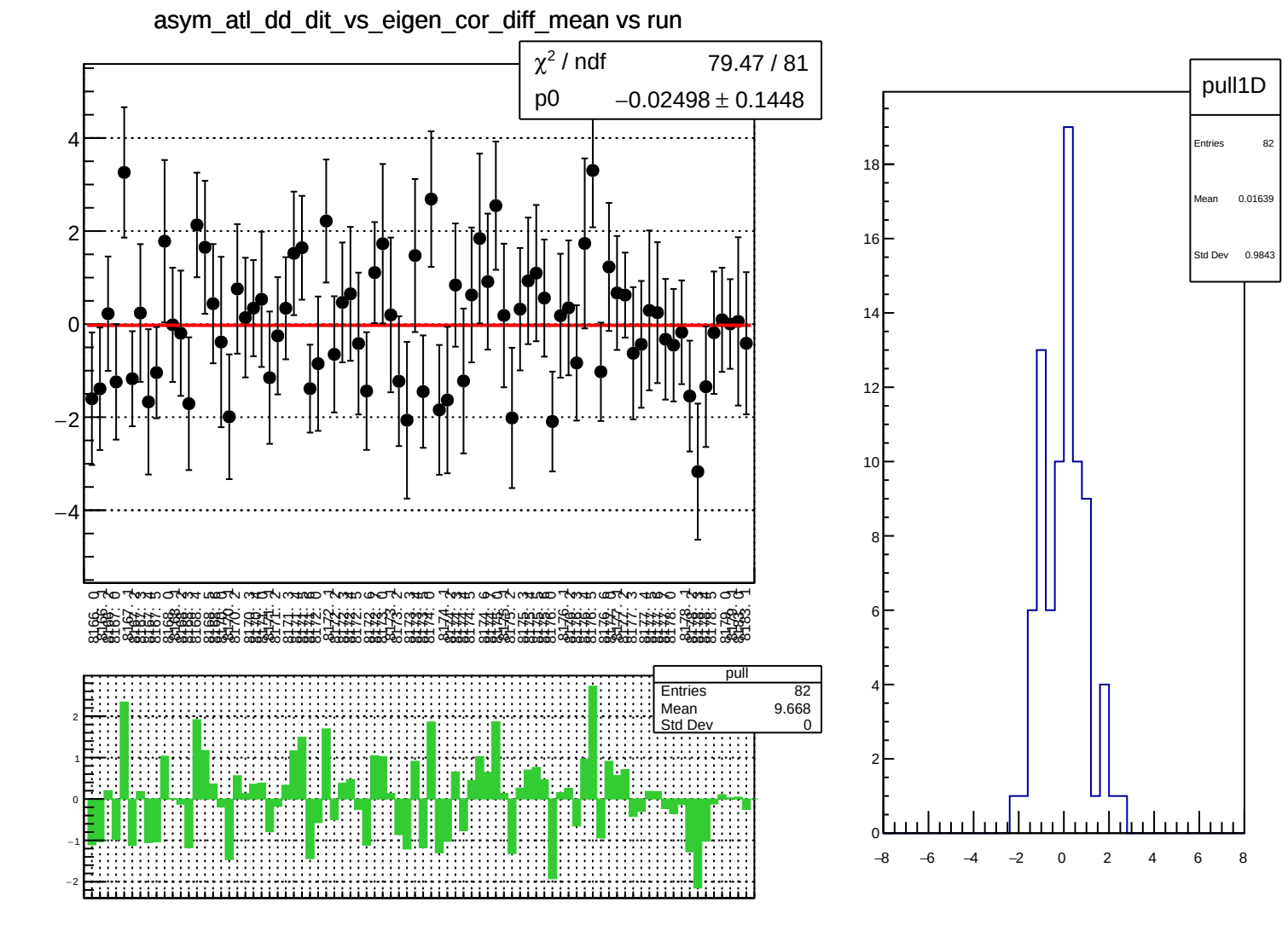

pull1D
Entries 82
Mean −0.06047
Std Dev 1.162
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

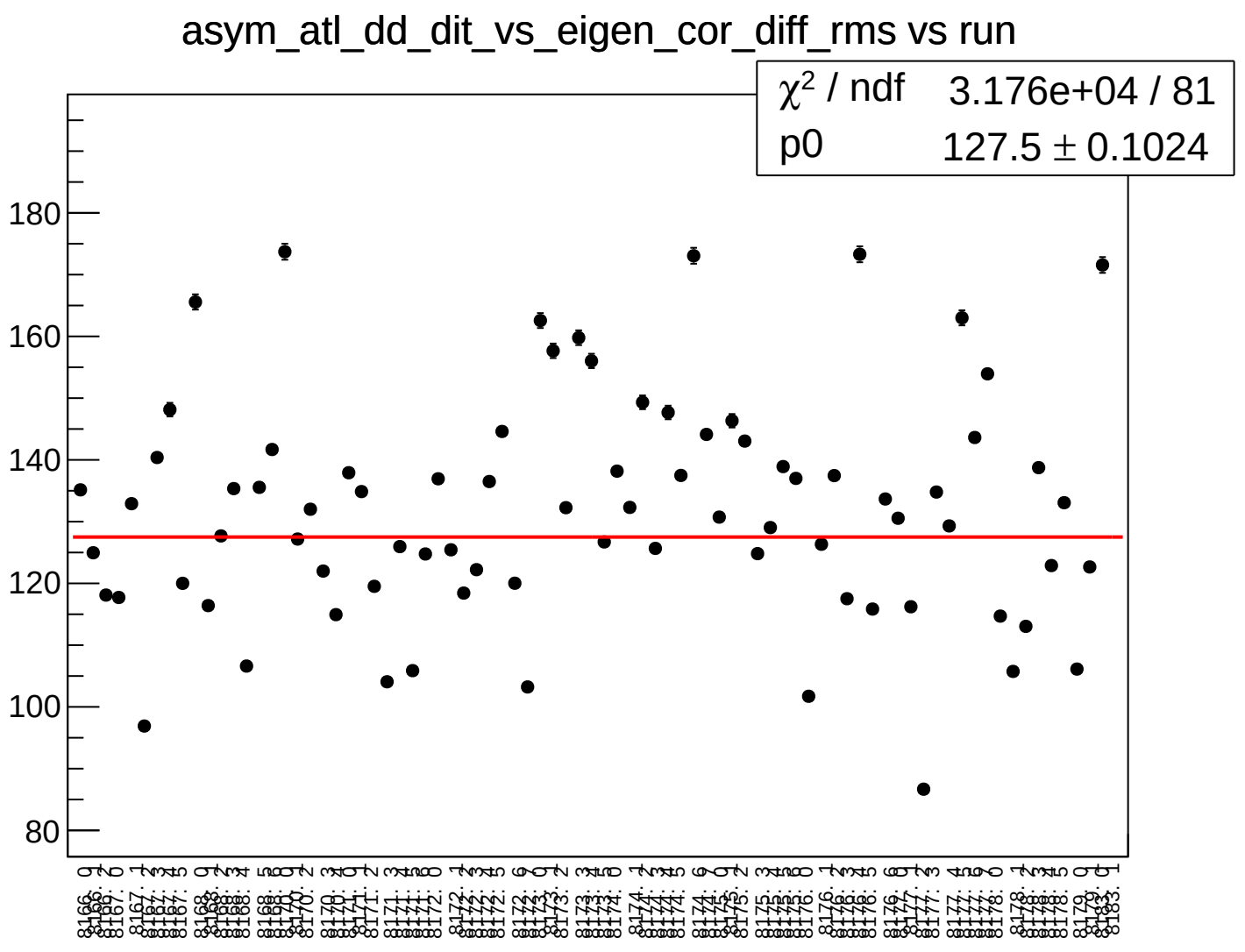

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.097e+06 / 81
p0 1.123e−10 ± 1.61e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

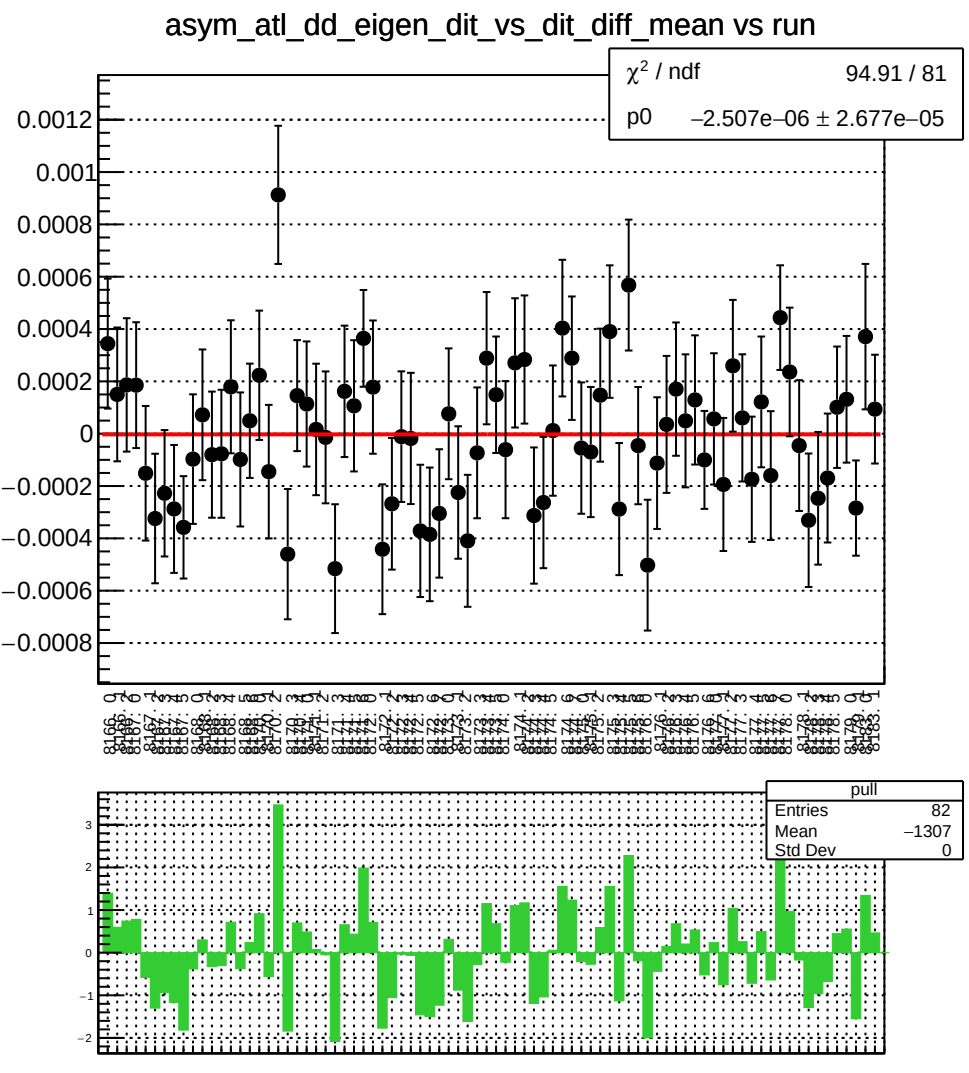

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.47 / 81
p0 −0.02498 ± 0.1448
pull
Entries 82
Mean 9.668
Std Dev 0

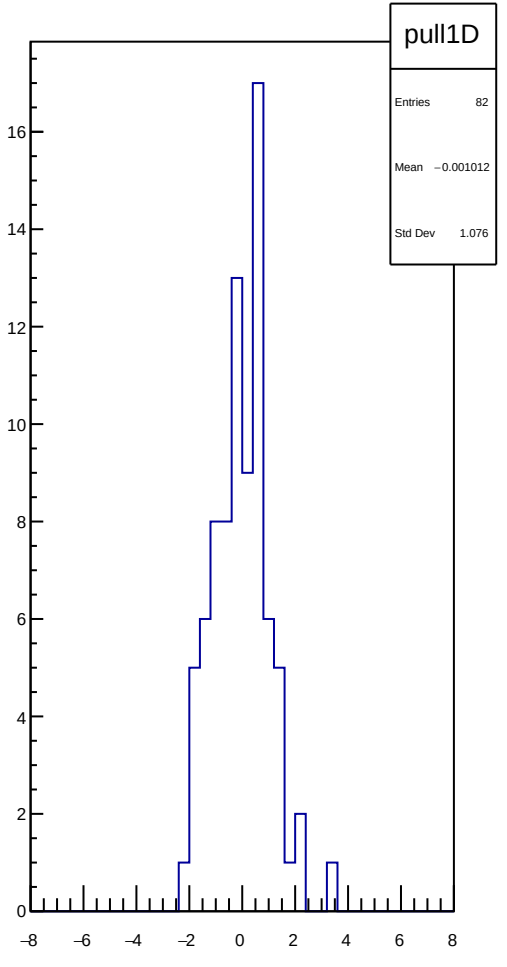

pull1D
Entries 82
Mean 0.01639
Std Dev 0.9843

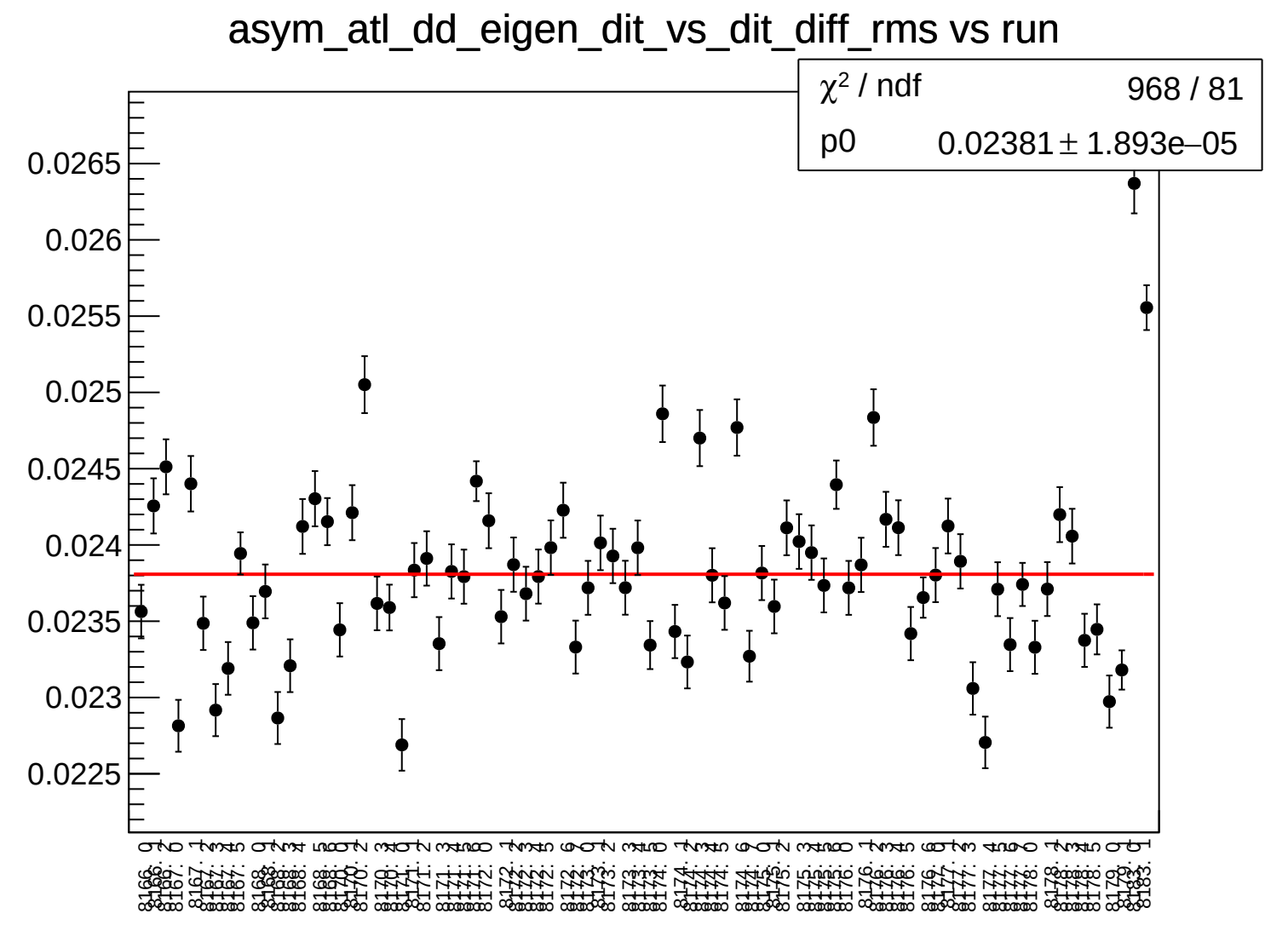

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.176e+04 / 81
p0 127.5 ± 0.1024
180
160
140
120
100
80

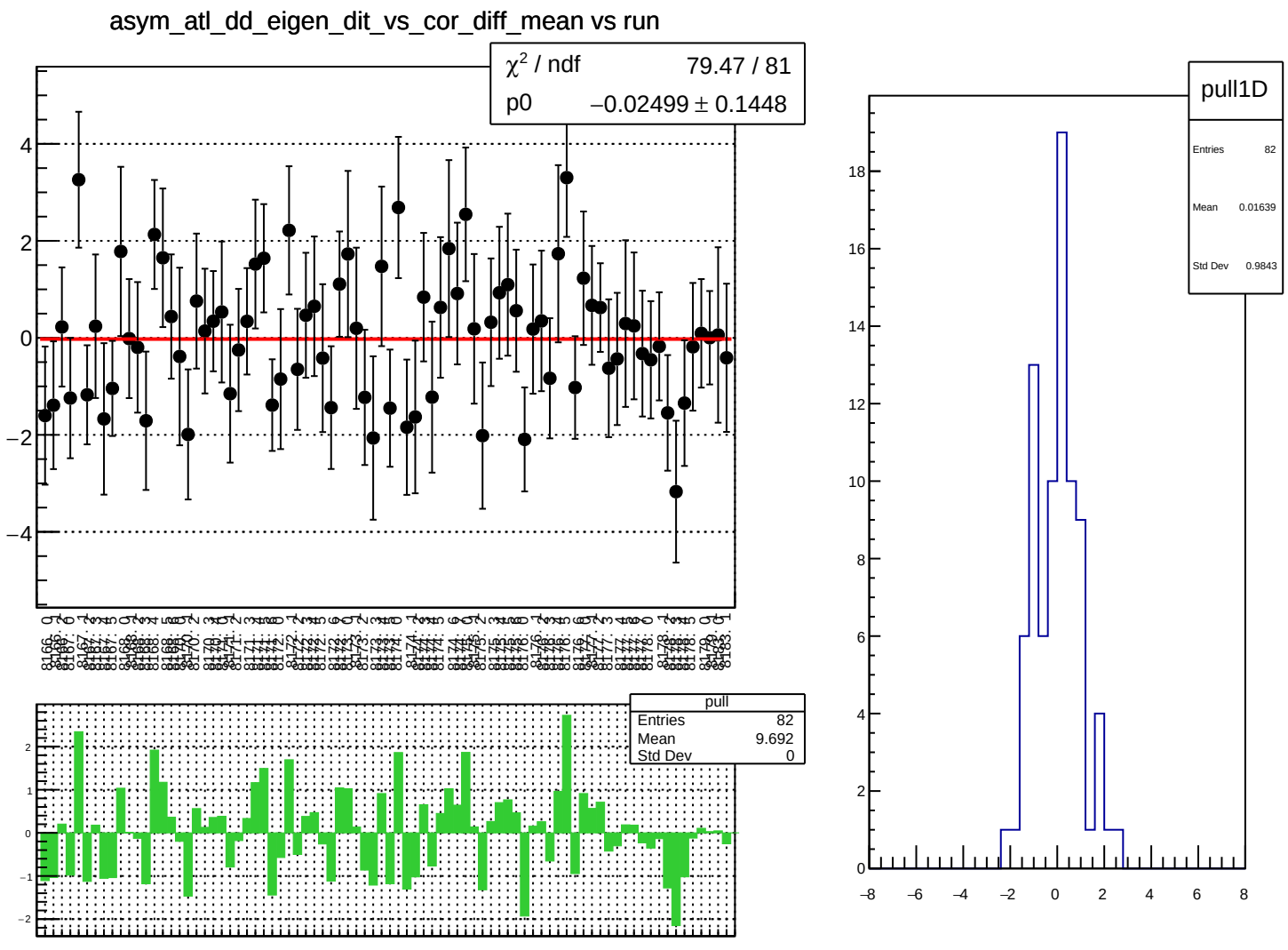

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.47 / 81
p0 −0.02498 ± 0.1448
pull
Entries 82
Mean 9.668
Std Dev 0
pull1D
Entries 82
Mean 0.01639
Std Dev 0.9843

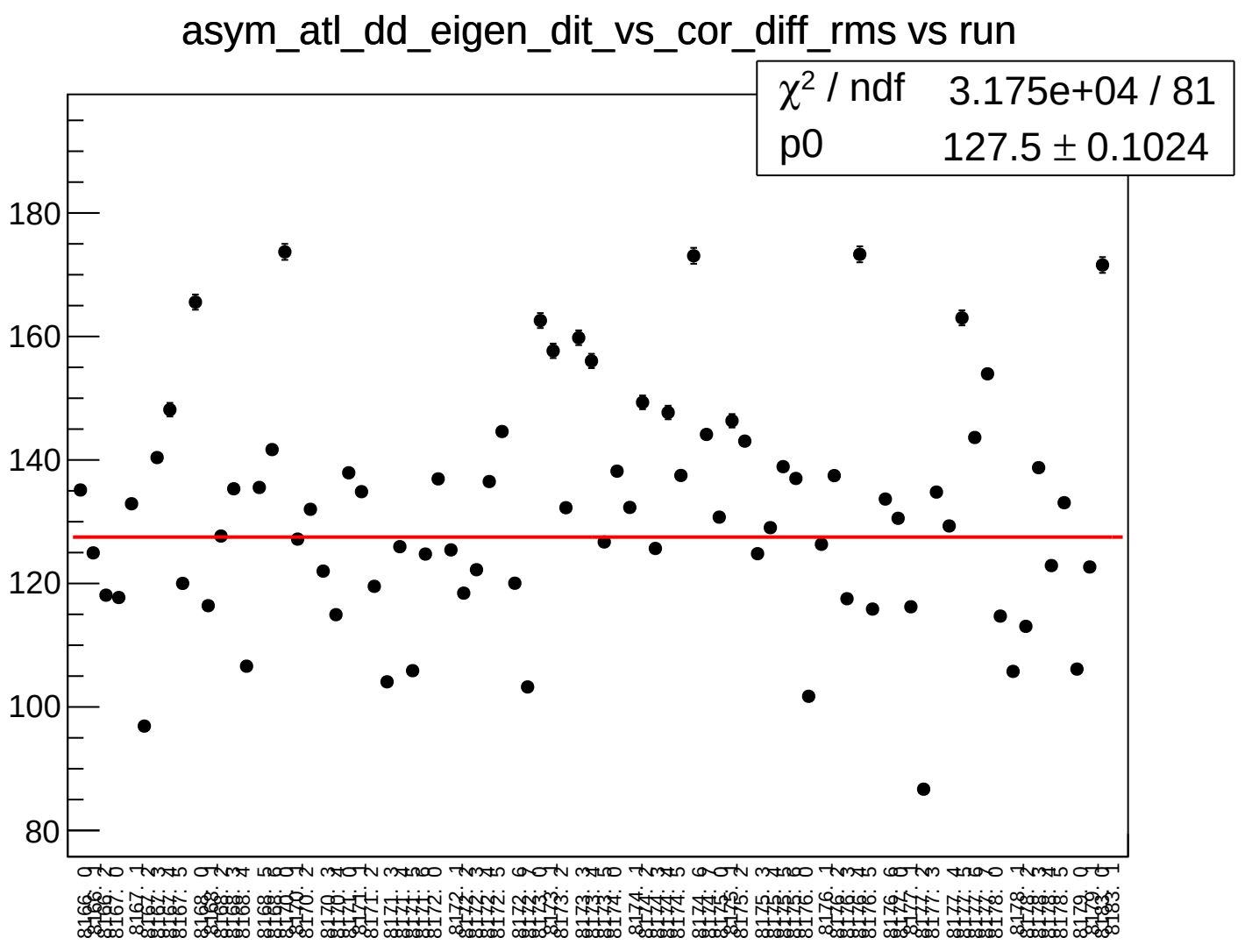

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.176e+04 / 81
p0 127.5 ± 0.1024
180
160
140
120
100
80

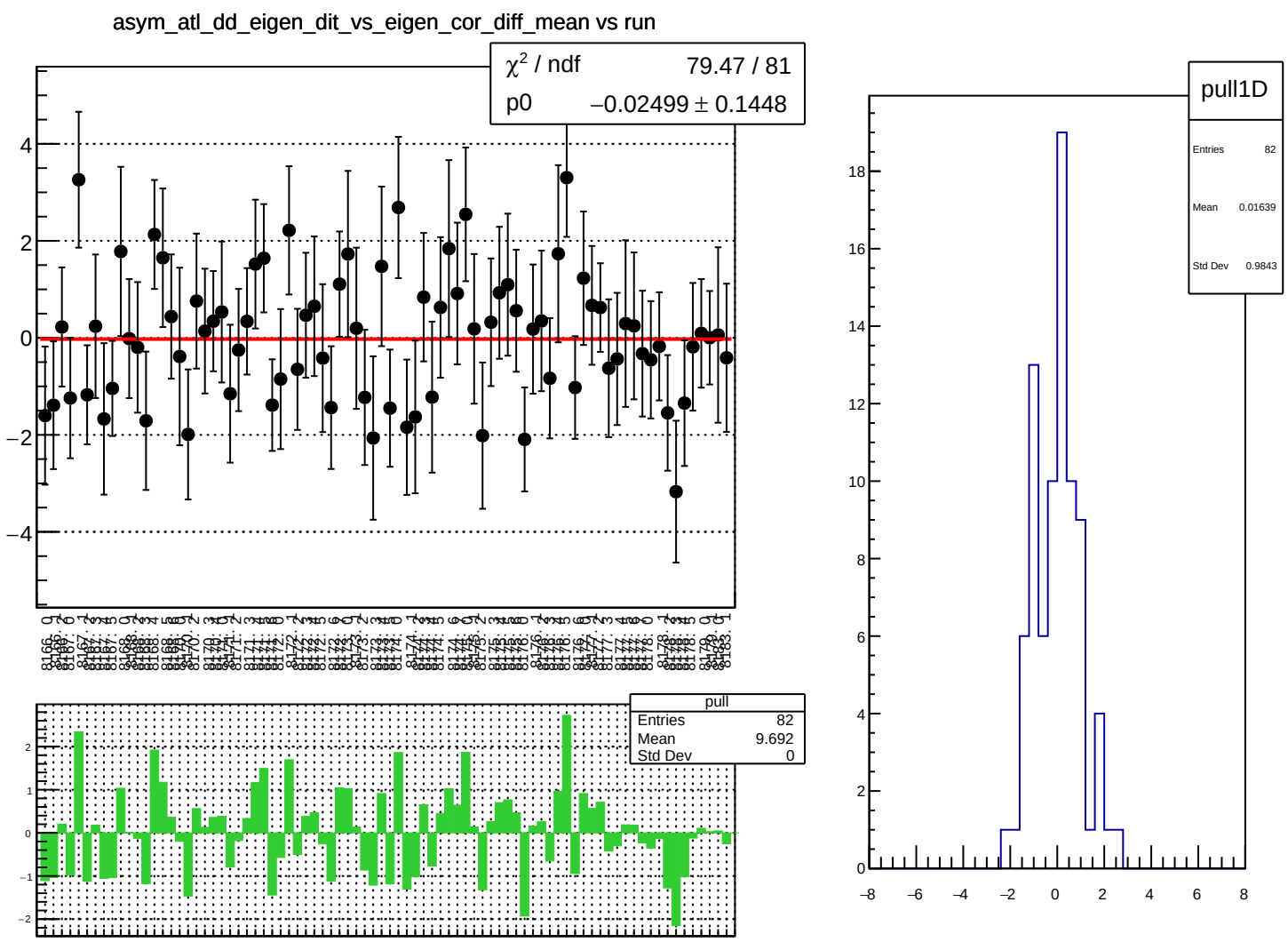

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 94.91 / 81
p0 −2.507e−06 ± 2.677e−05
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 82
Mean −1307
Std Dev 0
3
2
1
0
−1
−2

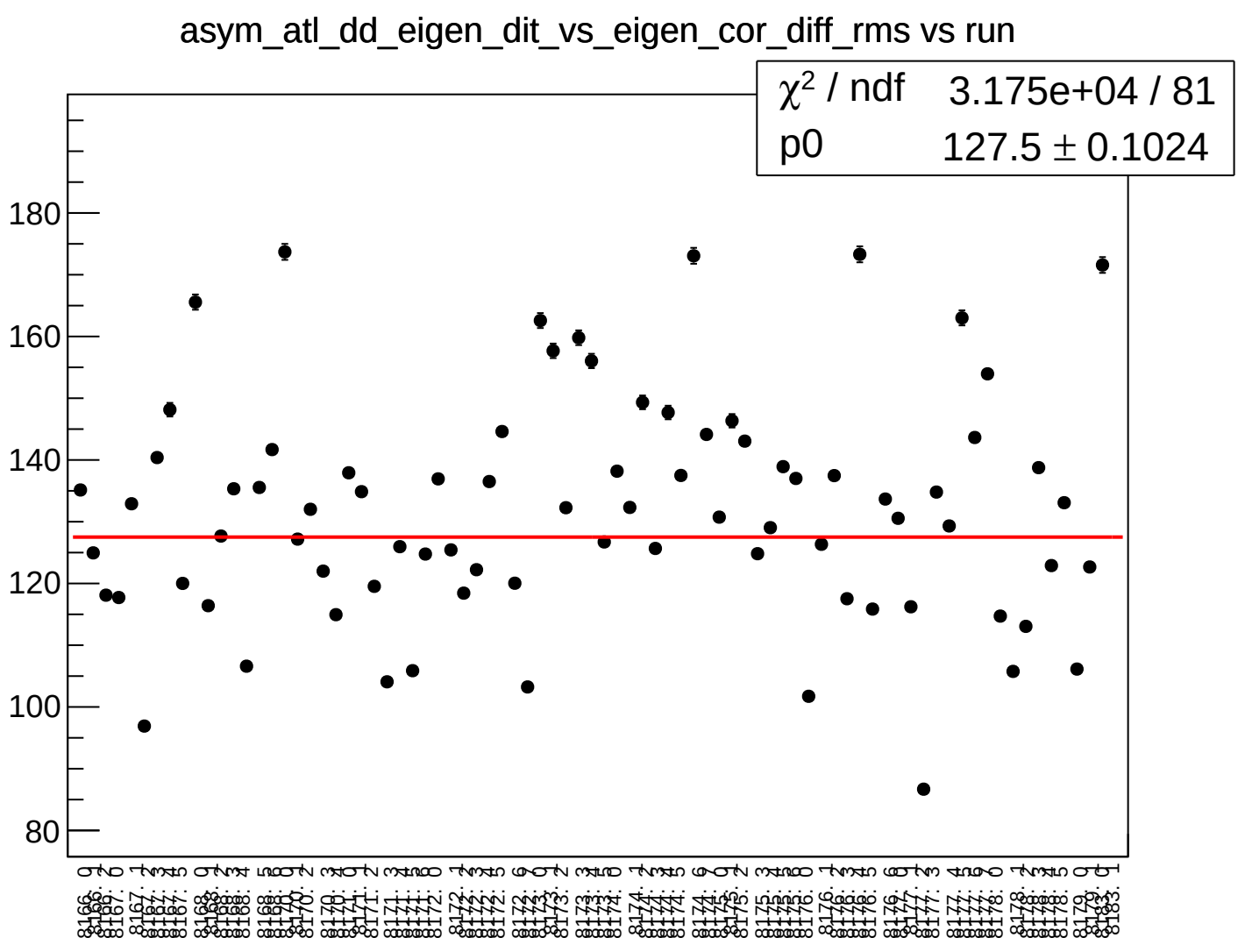

pull1D
Entries 82
Mean −0.001012
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

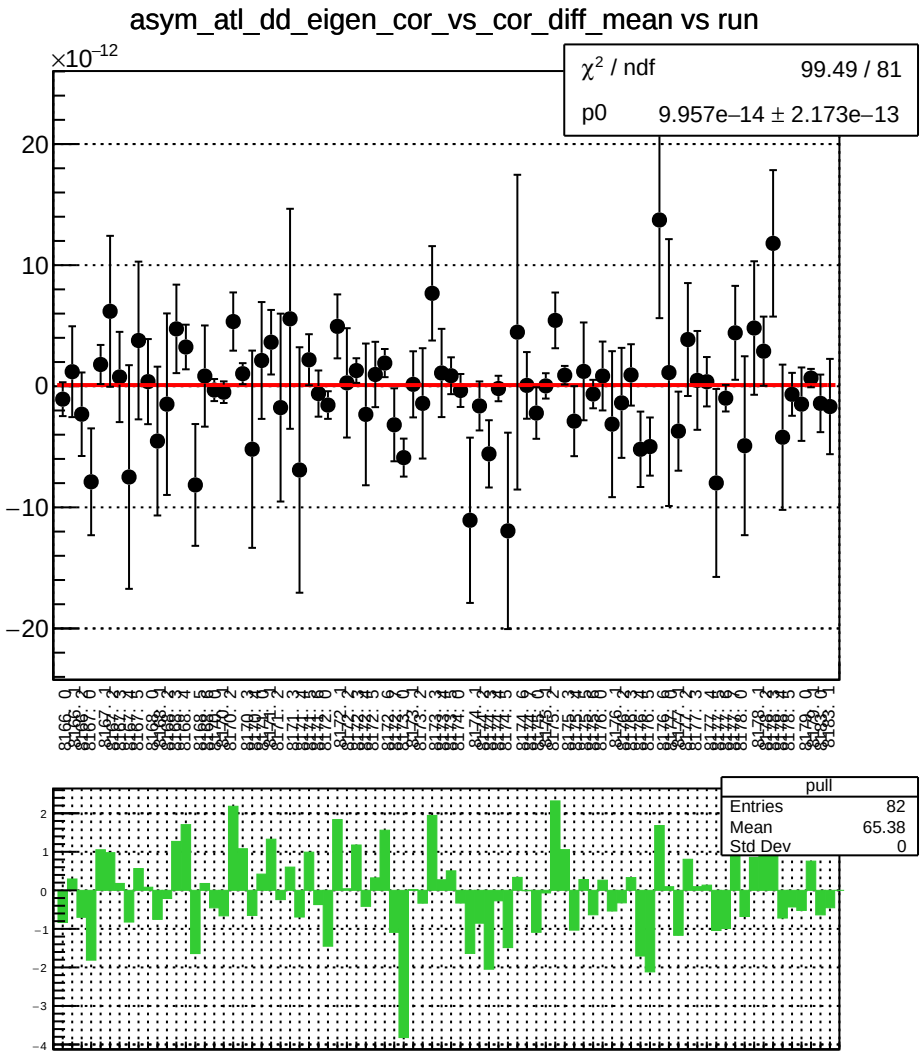

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 968 / 81
p0 0.02381 ± 1.893e–05
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225

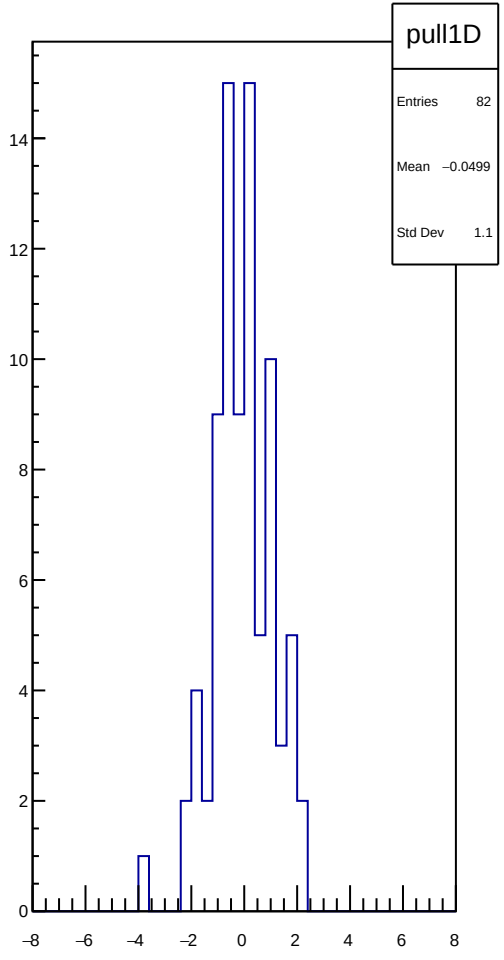

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.47 / 81
p0 −0.02499 ± 0.1448
pull
Entries 82
Mean 9.692
Std Dev 0
pull1D
Entries 82
Mean 0.01639
Std Dev 0.9843

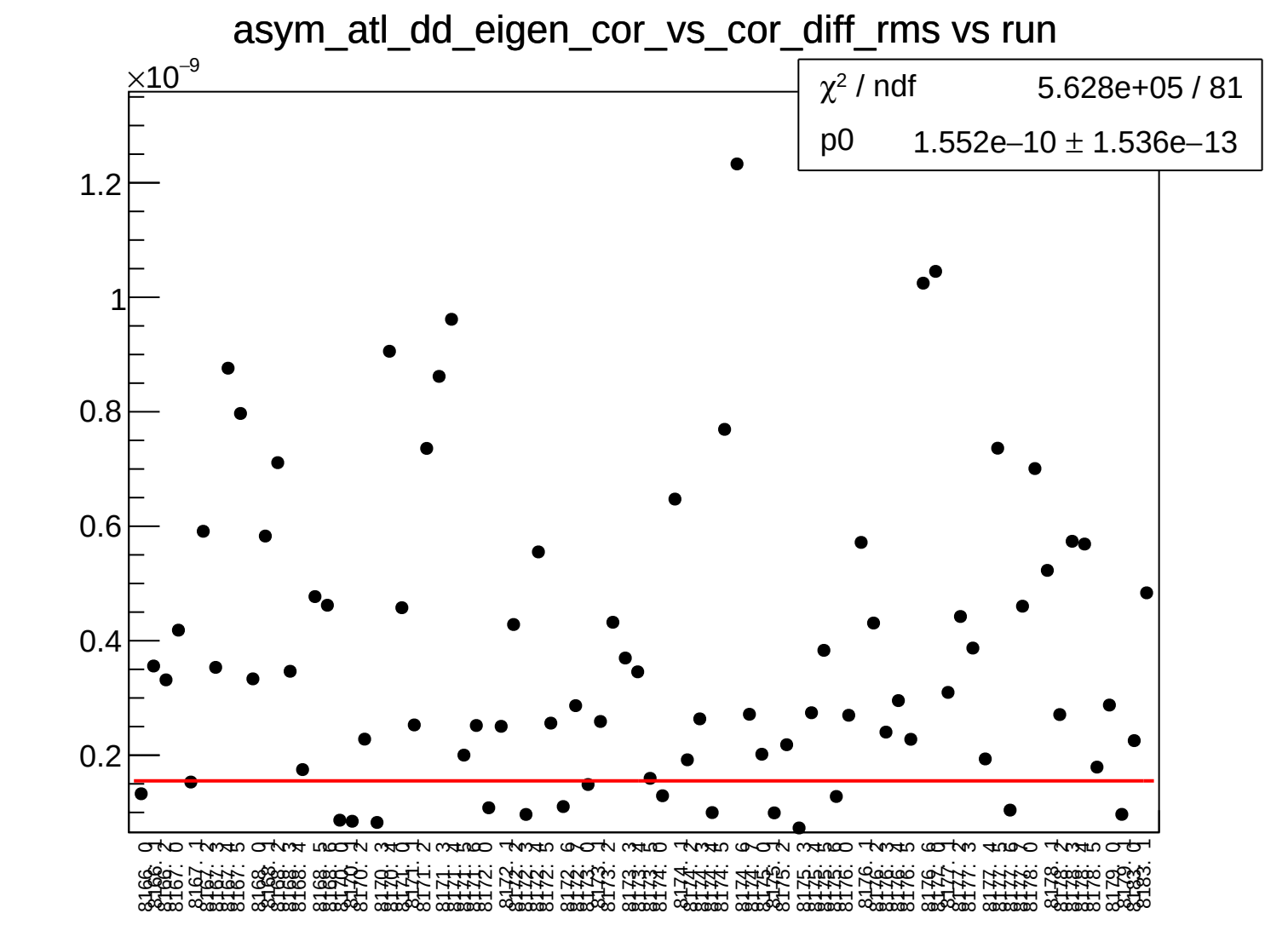

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.175e+04 / 81
p0 127.5 ± 0.1024
180
160
140
120
100
80

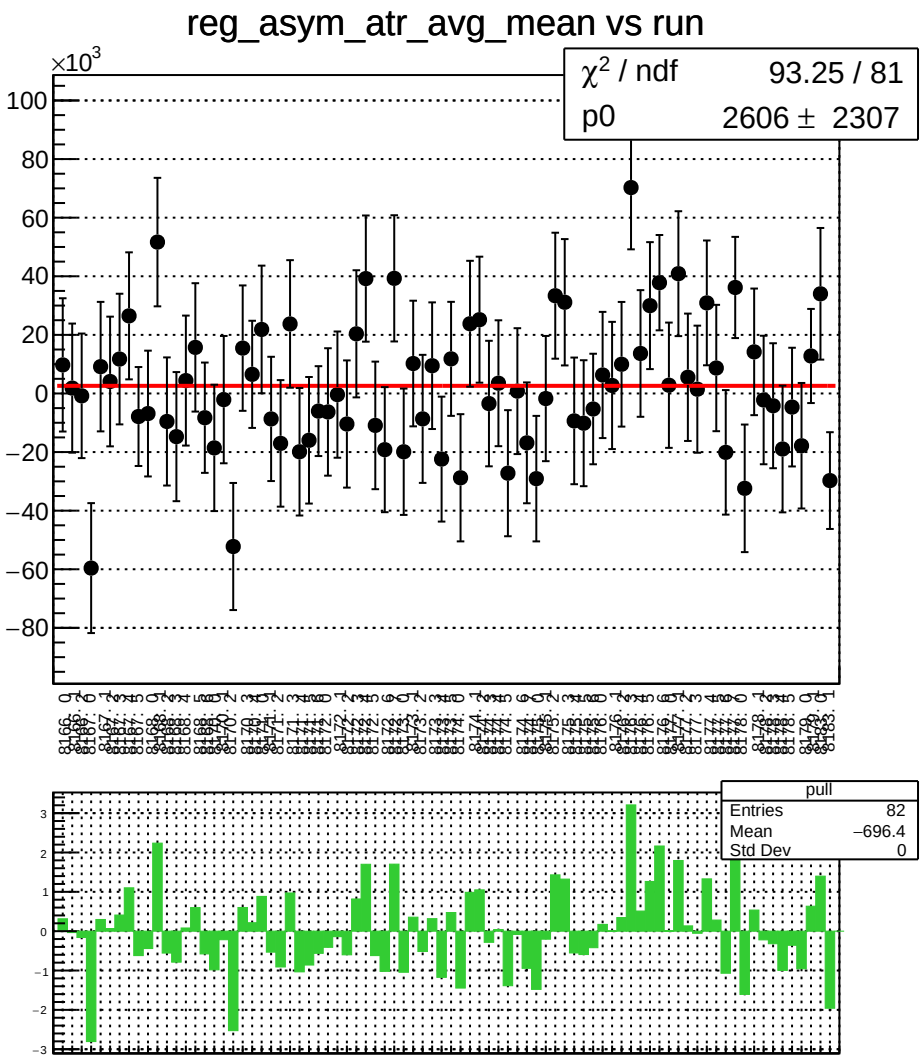

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.47 / 81
p0 −0.02499 ± 0.1448
pull
Entries 82
Mean 9.692
Std Dev 0
pull1D
Entries 82
Mean 0.01639
Std Dev 0.9843

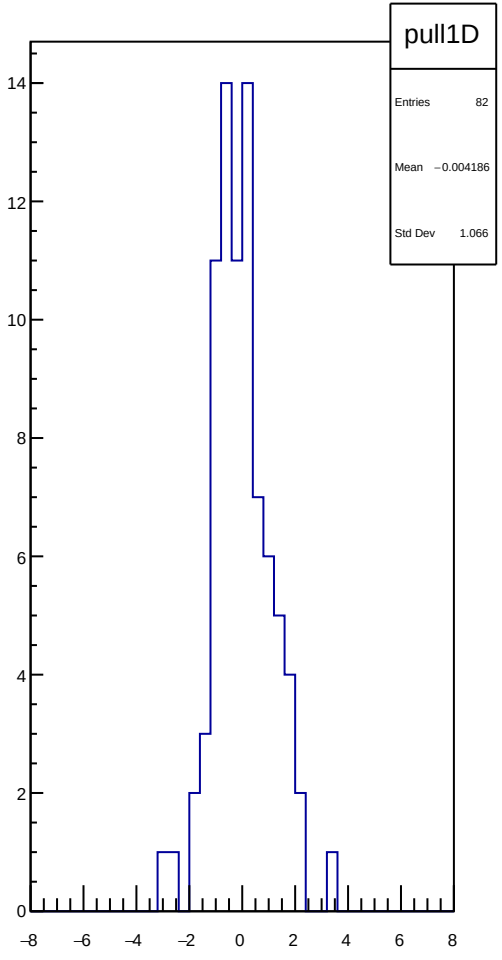

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.175e+04 / 81
p0 127.5 ± 0.1024
180
160
140
120
100
80

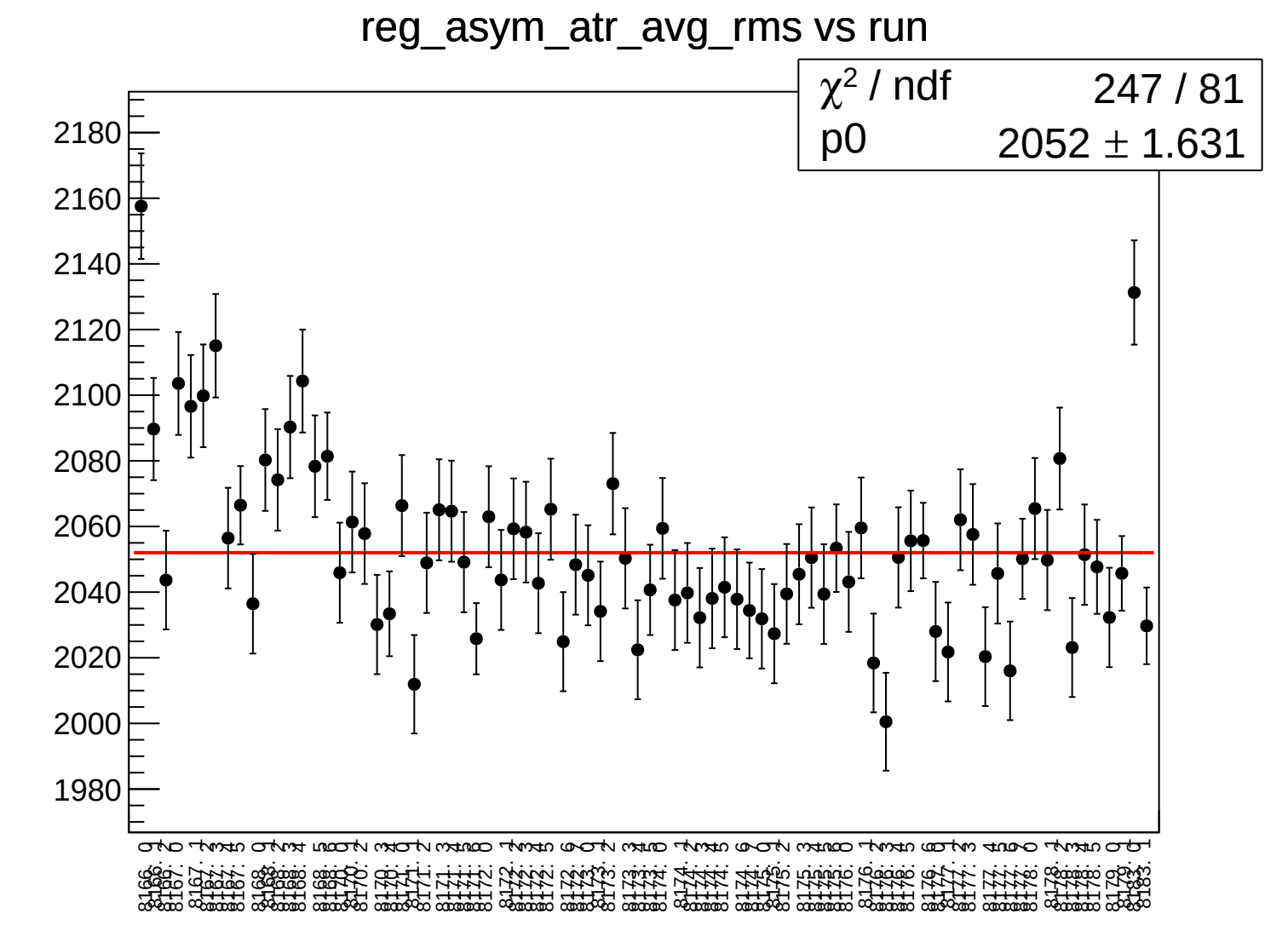

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 99.49 / 81
p0 9.957e−14 ± 2.173e−13
20
10
0
−10
−20
pull
Entries 82
Mean 65.38
Std Dev 0
2
1
0
−1
−2
−3
−4

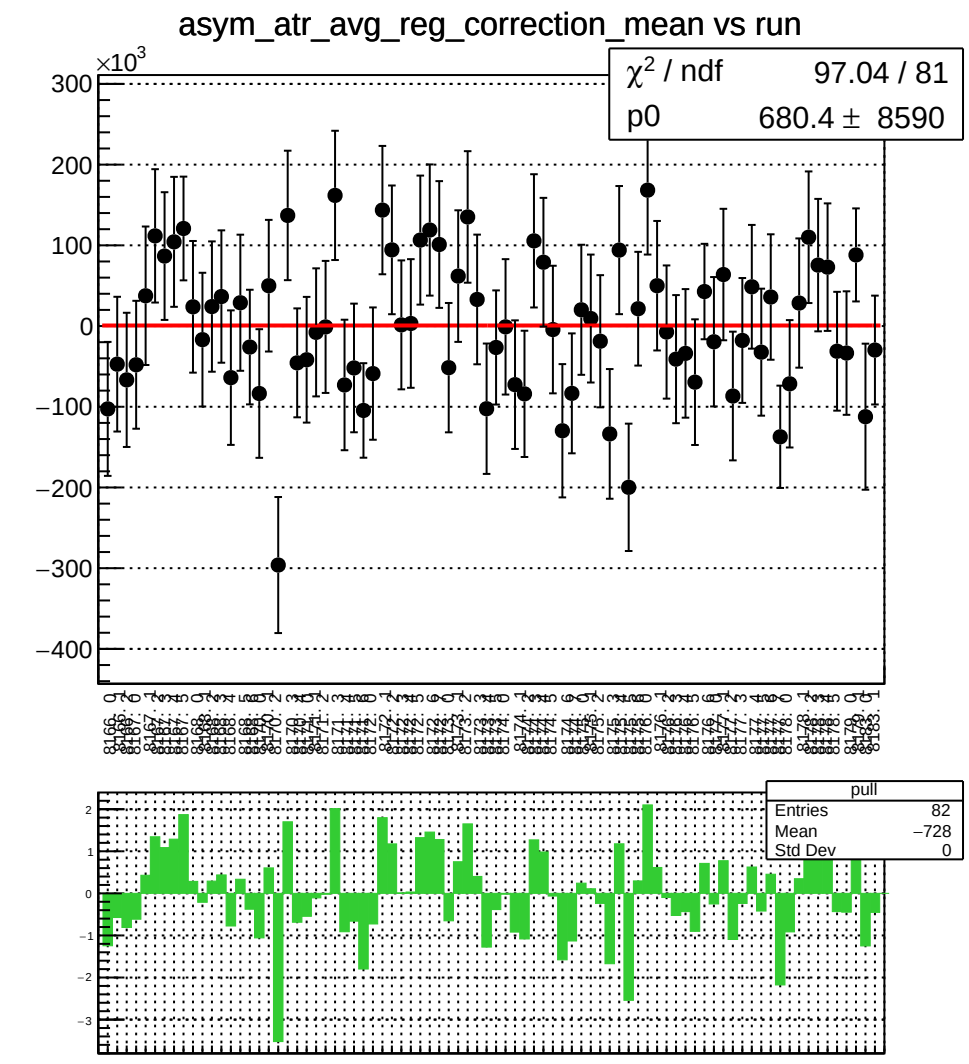

pull1D
Entries 82
Mean −0.0499
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

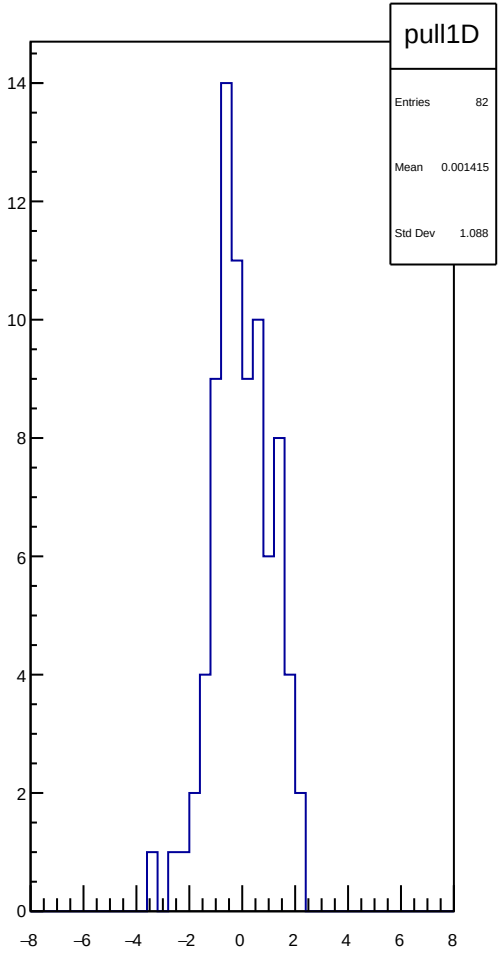

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.628e+05 / 81
p0 1.552e−10 ± 1.536e−13
1.2
1
0.8
0.6
0.4
0.2

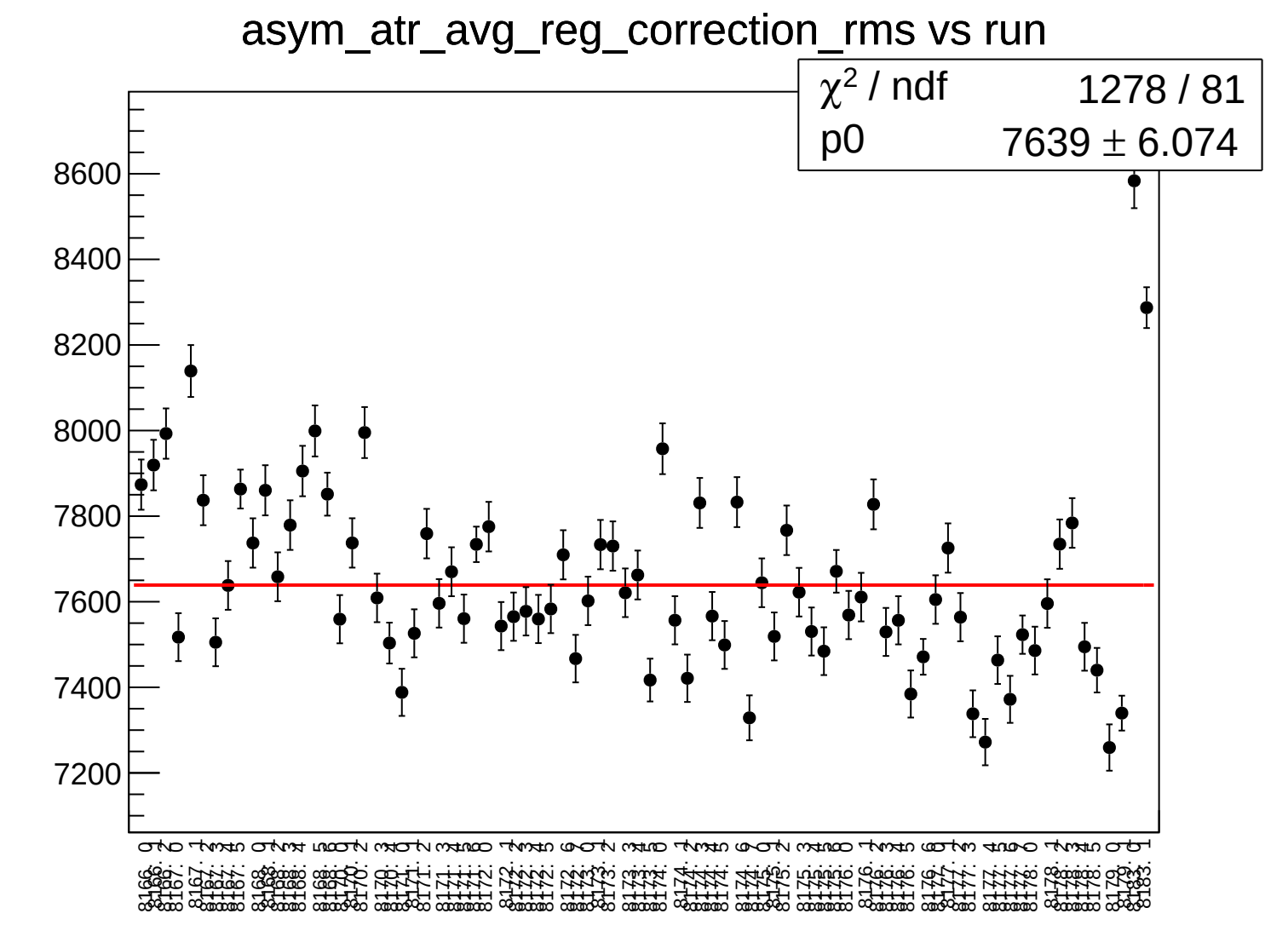

reg_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 93.25 / 81
p0 2606 ± 2307
pull
Entries 82
Mean −696.4
Std Dev 0

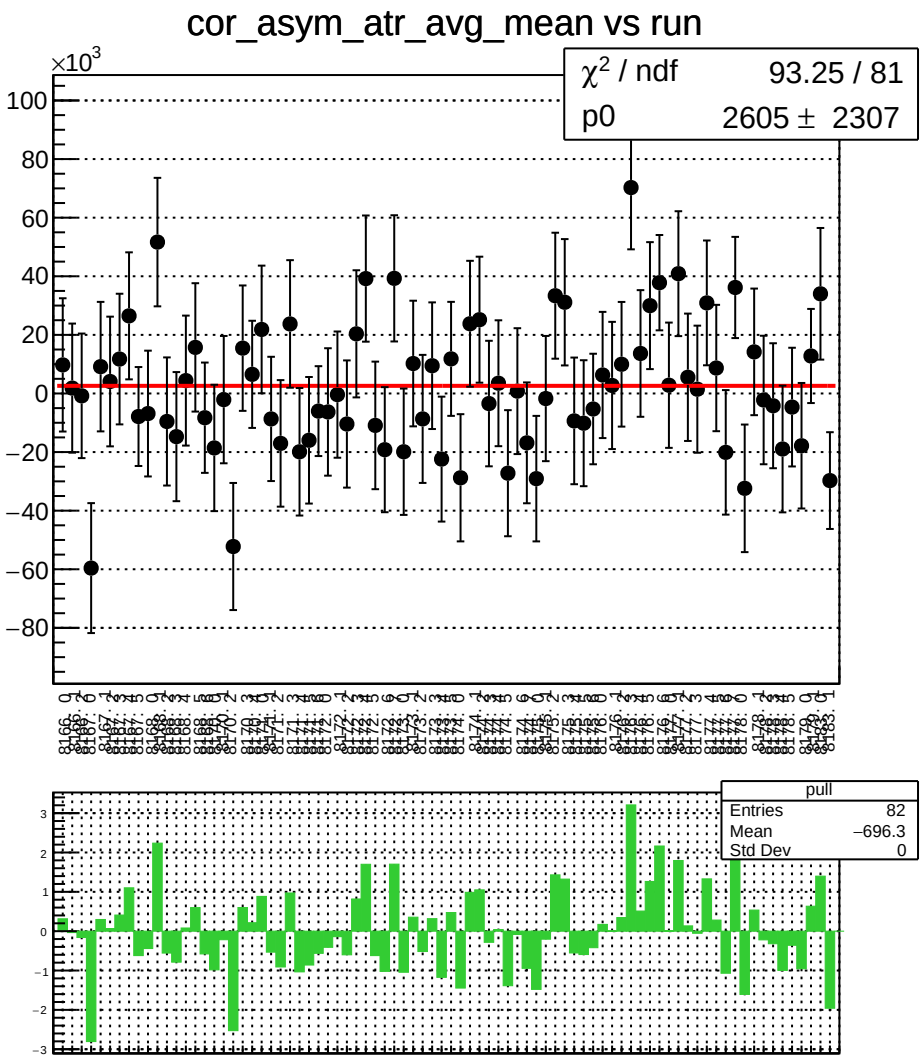

pull1D
Entries 82
Mean −0.004186
Std Dev 1.066

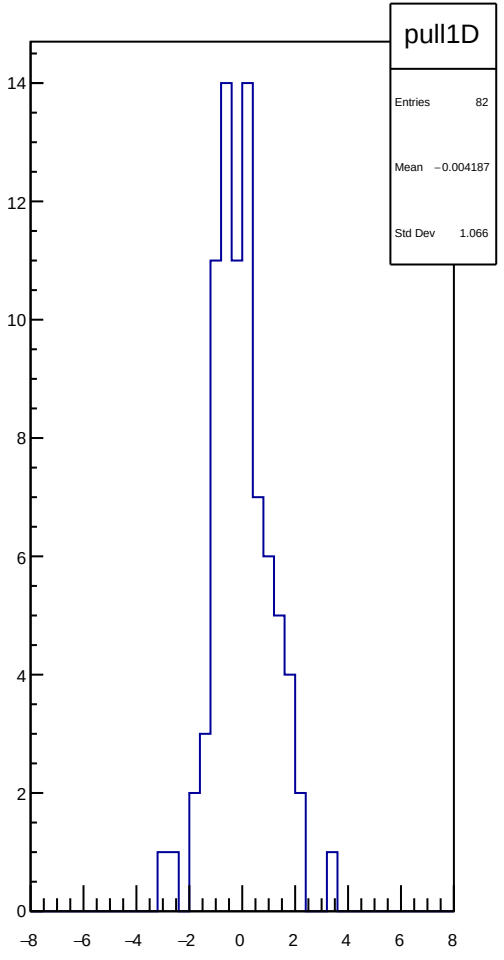

reg_asym_atr_avg_rms vs run
χ² / ndf 247 / 81
p0 2052 ± 1.631
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980

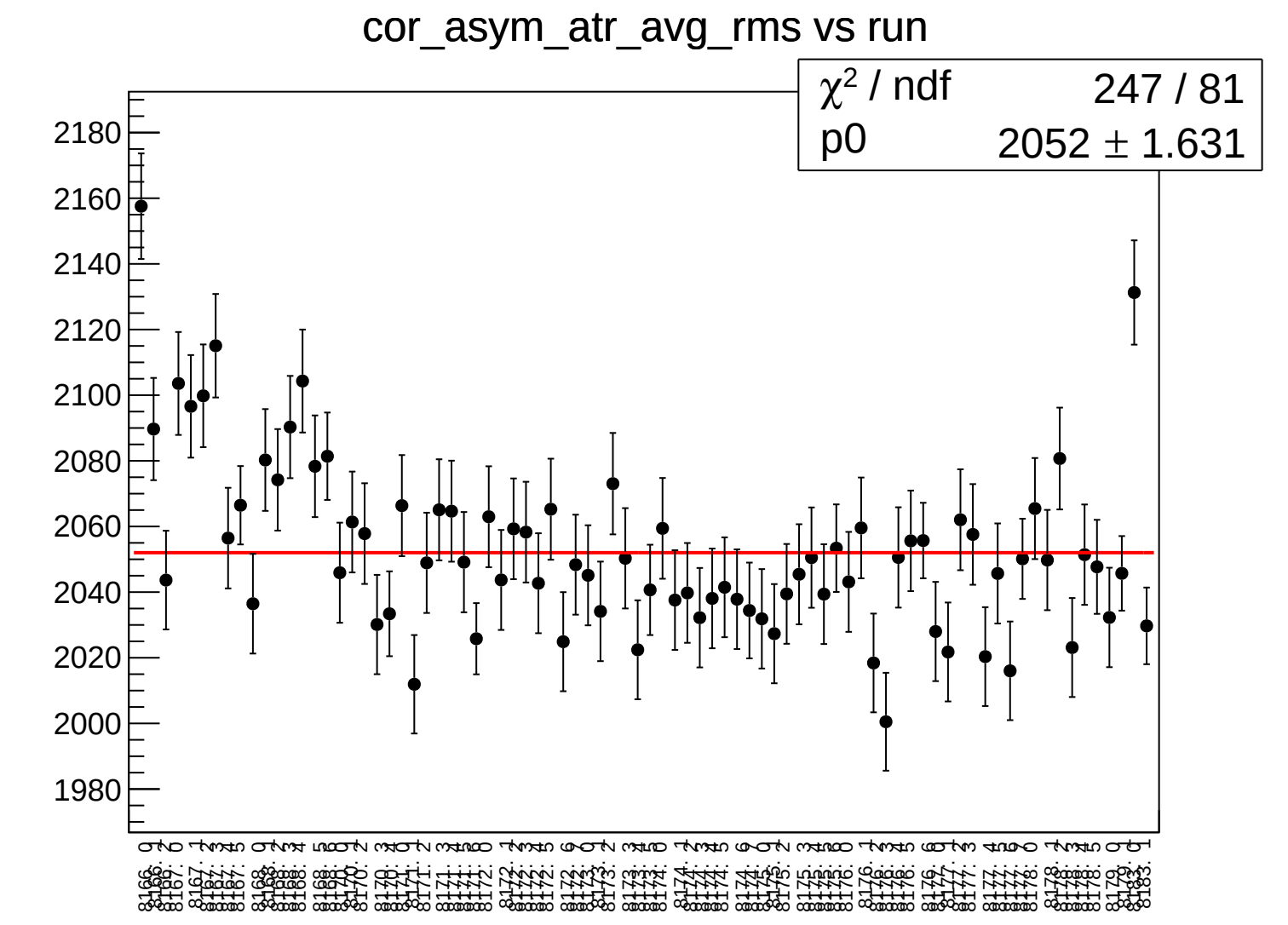

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.04 / 81
p0 680.4 ± 8590
pull
Entries 82
Mean −728
Std Dev 0

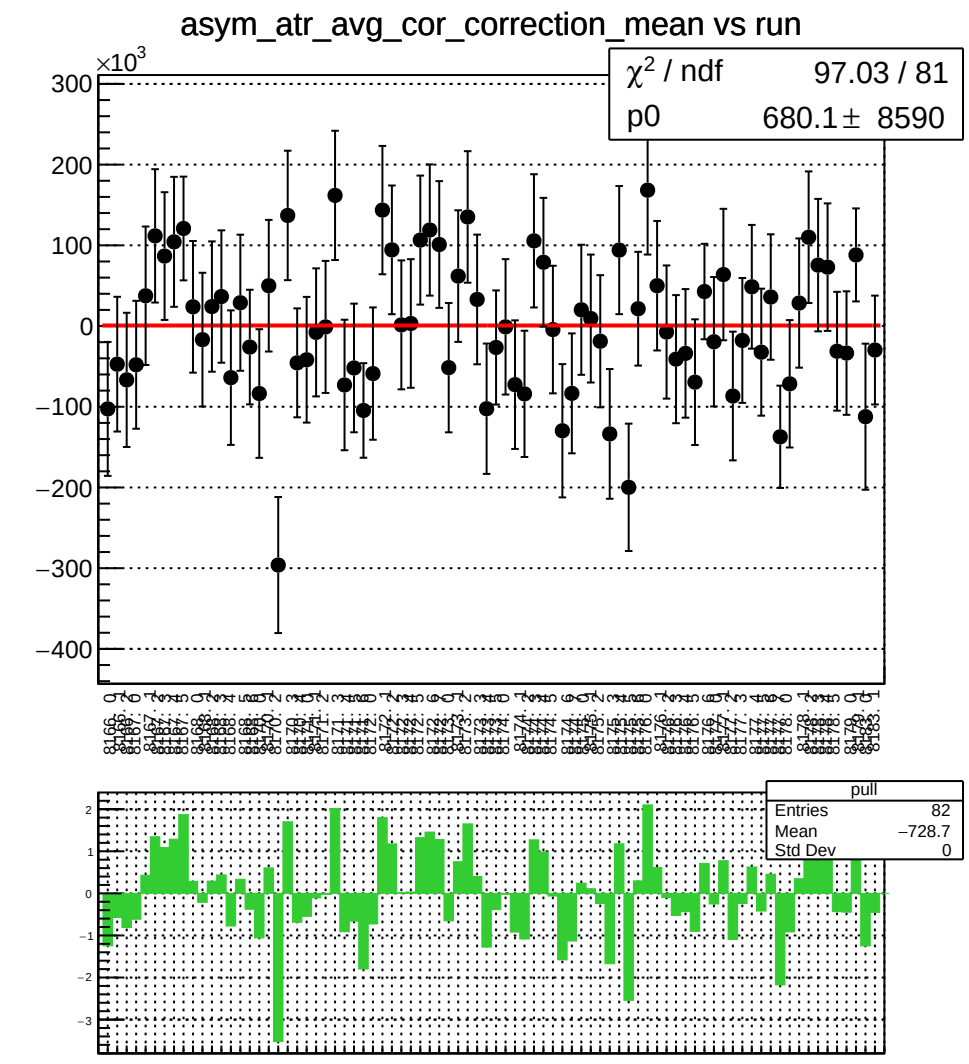

pull1D
Entries 82
Mean 0.001415
Std Dev 1.088

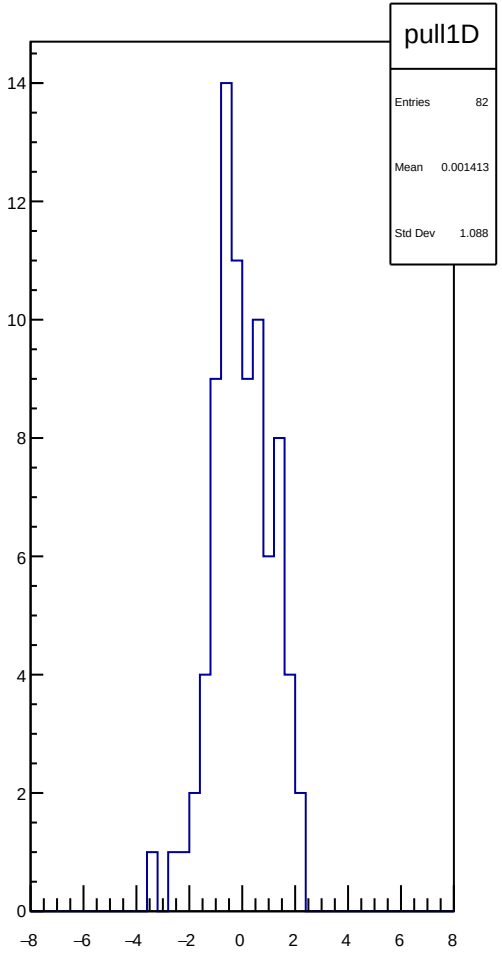

asym_atr_avg_reg_correction_rms vs run
χ^2 / ndf 1278 / 81
p0 7639 ± 6.074
8600
8400
8200
8000
7800
7600
7400
7200

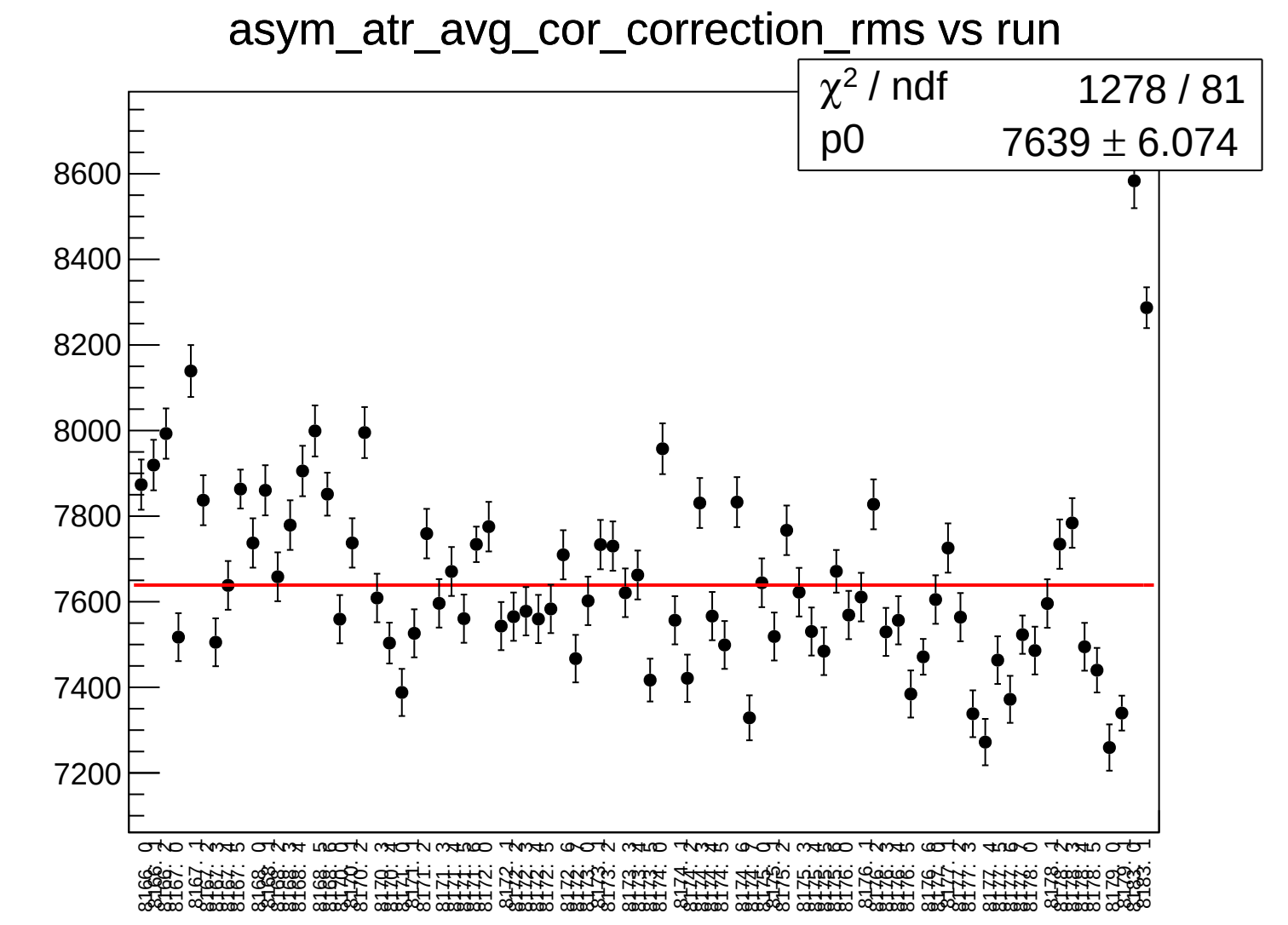

cor_asym_atr_avg_mean vs run
×10^3
χ² / ndf 93.25 / 81
p0 2605 ± 2307
pull
Entries 82
Mean −696.3
Std Dev 0

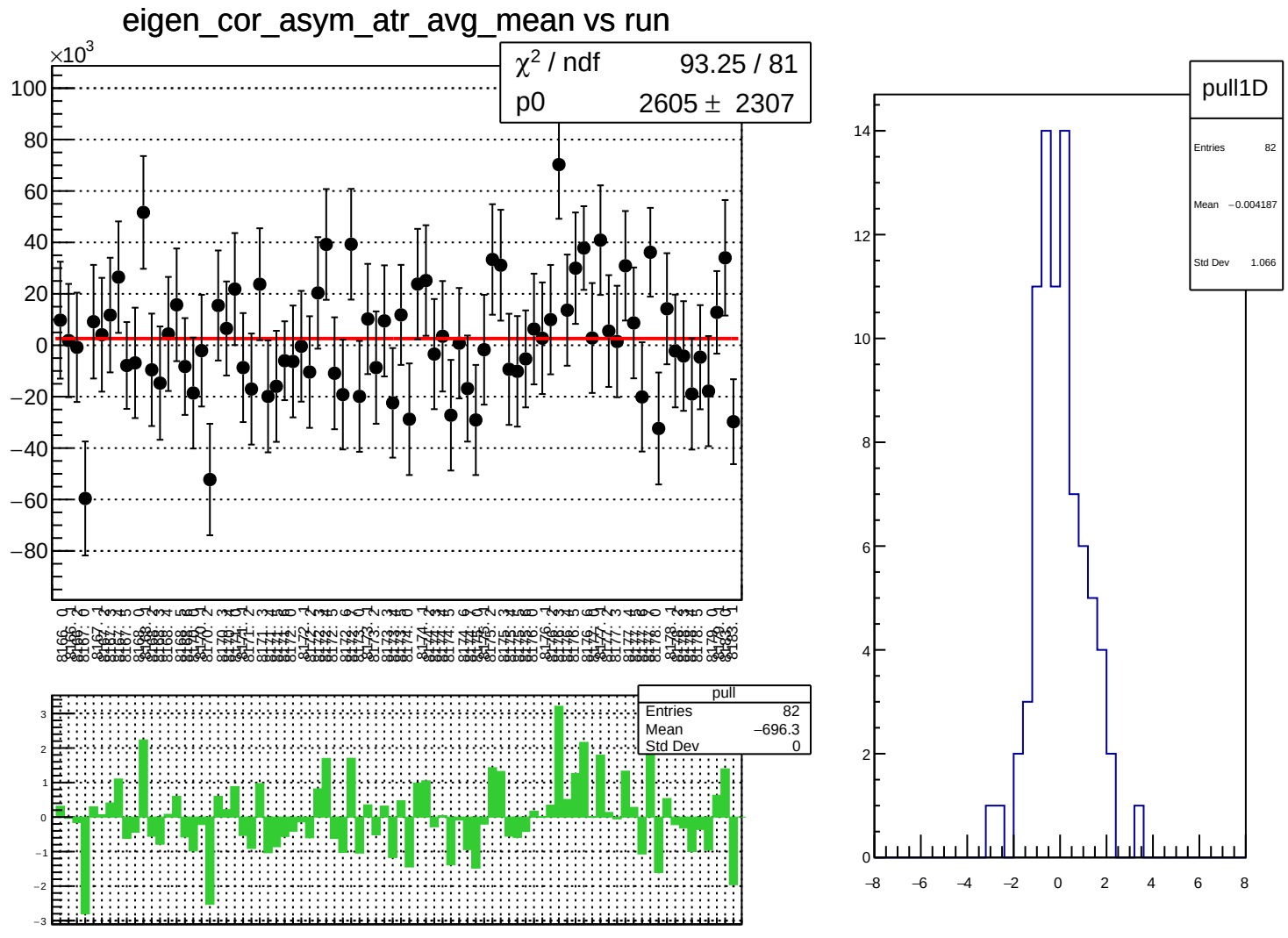

pull1D
Entries 82
Mean −0.004187
Std Dev 1.066

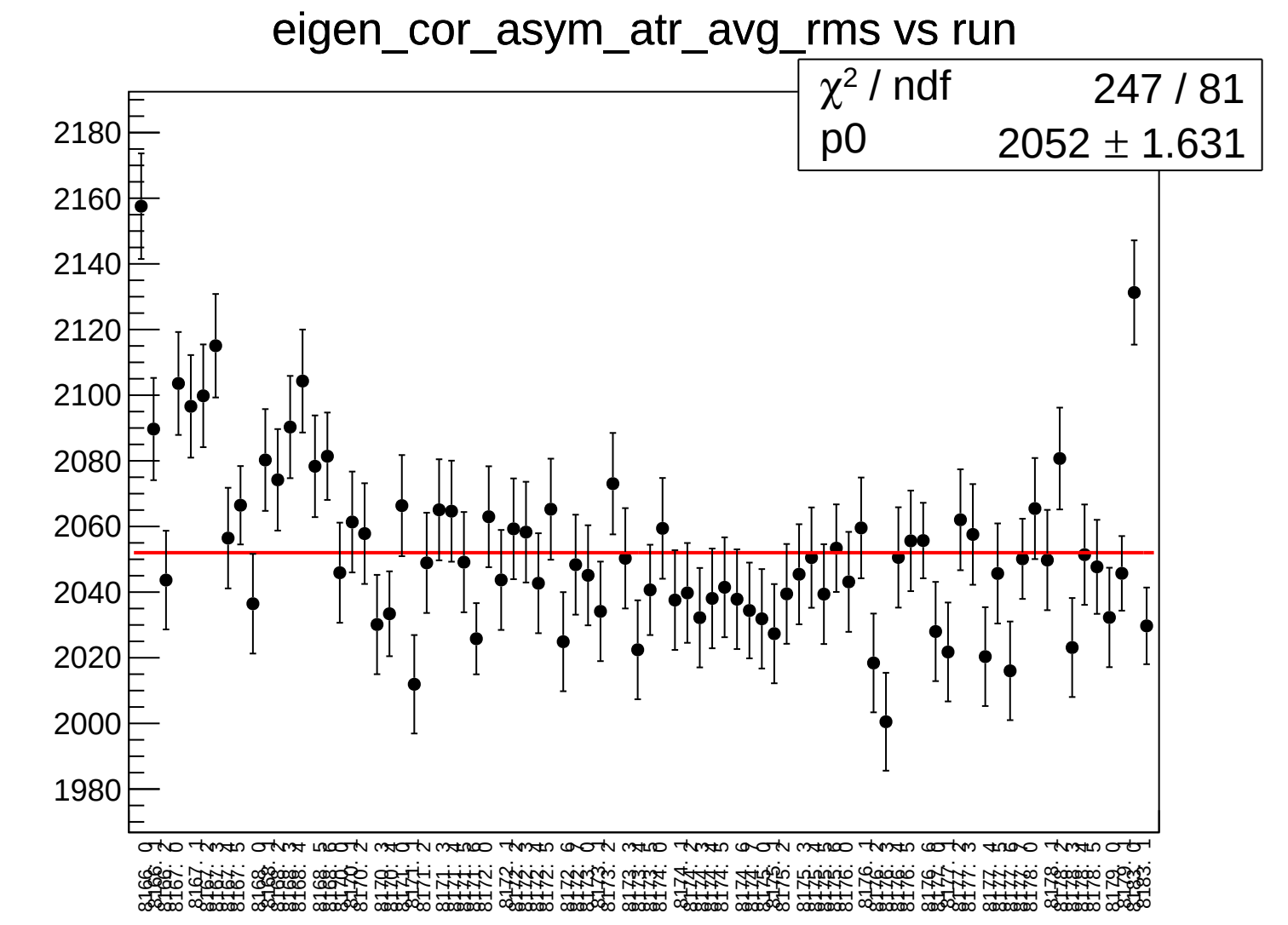

cor_asym_atr_avg_rms vs run
χ² / ndf 247 / 81
p0 2052 ± 1.631
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980

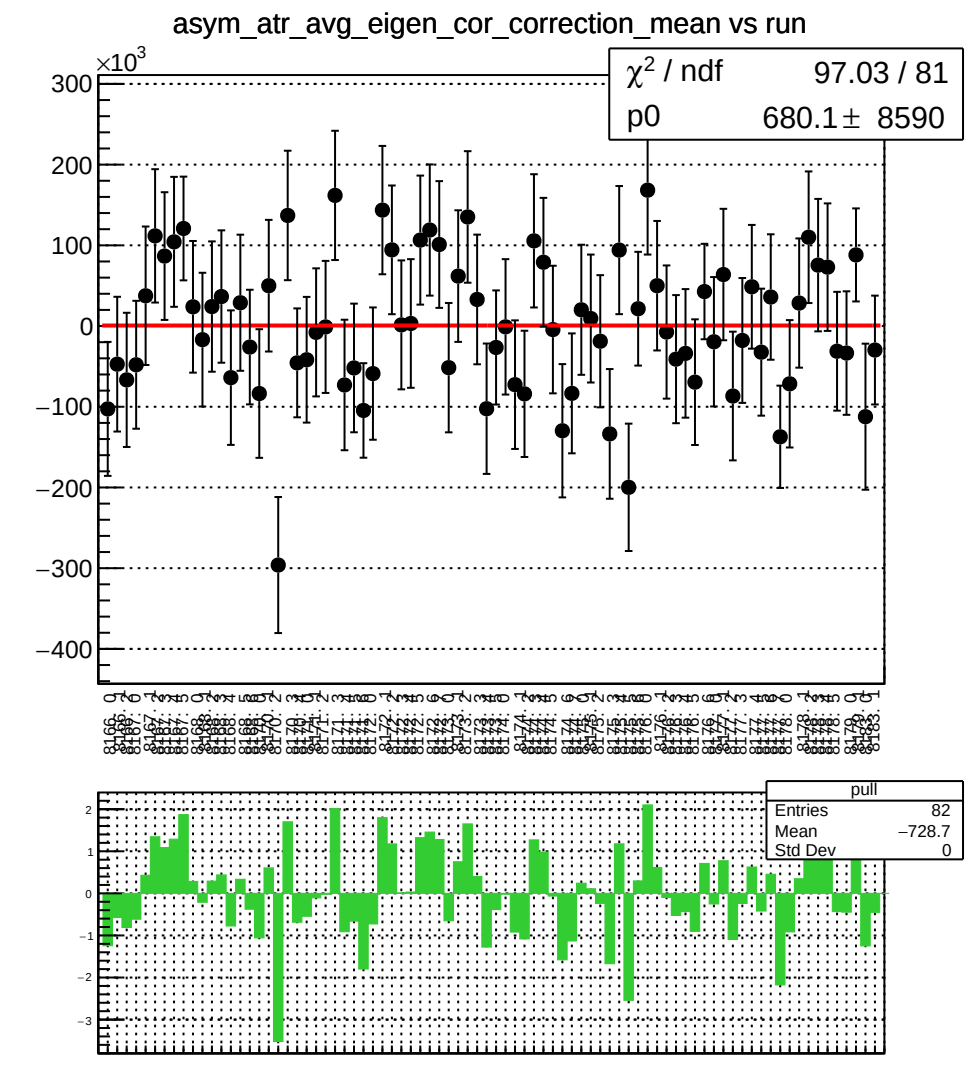

asym_atr_avg_cor_correction_mean vs run
χ² / ndf 97.03 / 81
p0 680.1 ± 8590
pull
Entries 82
Mean −728.7
Std Dev 0

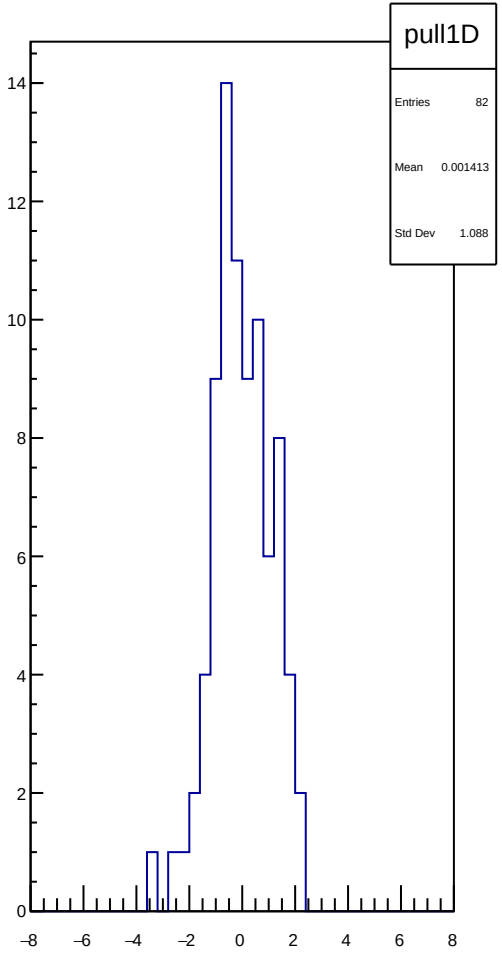

pull1D
Entries 82
Mean 0.001413
Std Dev 1.088

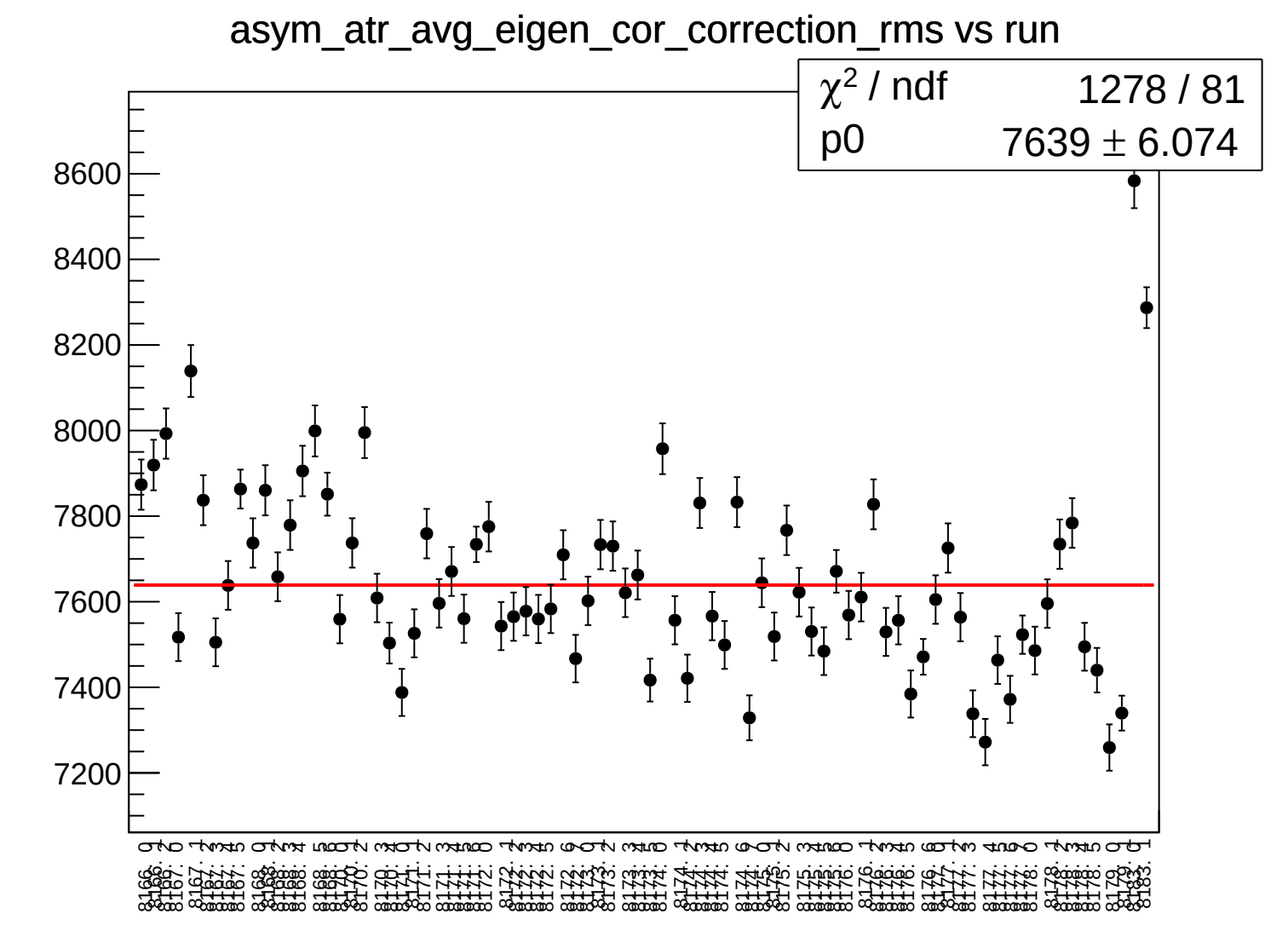

asym_atr_avg_cor_correction_rms vs run
χ^2 / ndf 1278 / 81
p0 7639 ± 6.074
8600
8400
8200
8000
7800
7600
7400
7200

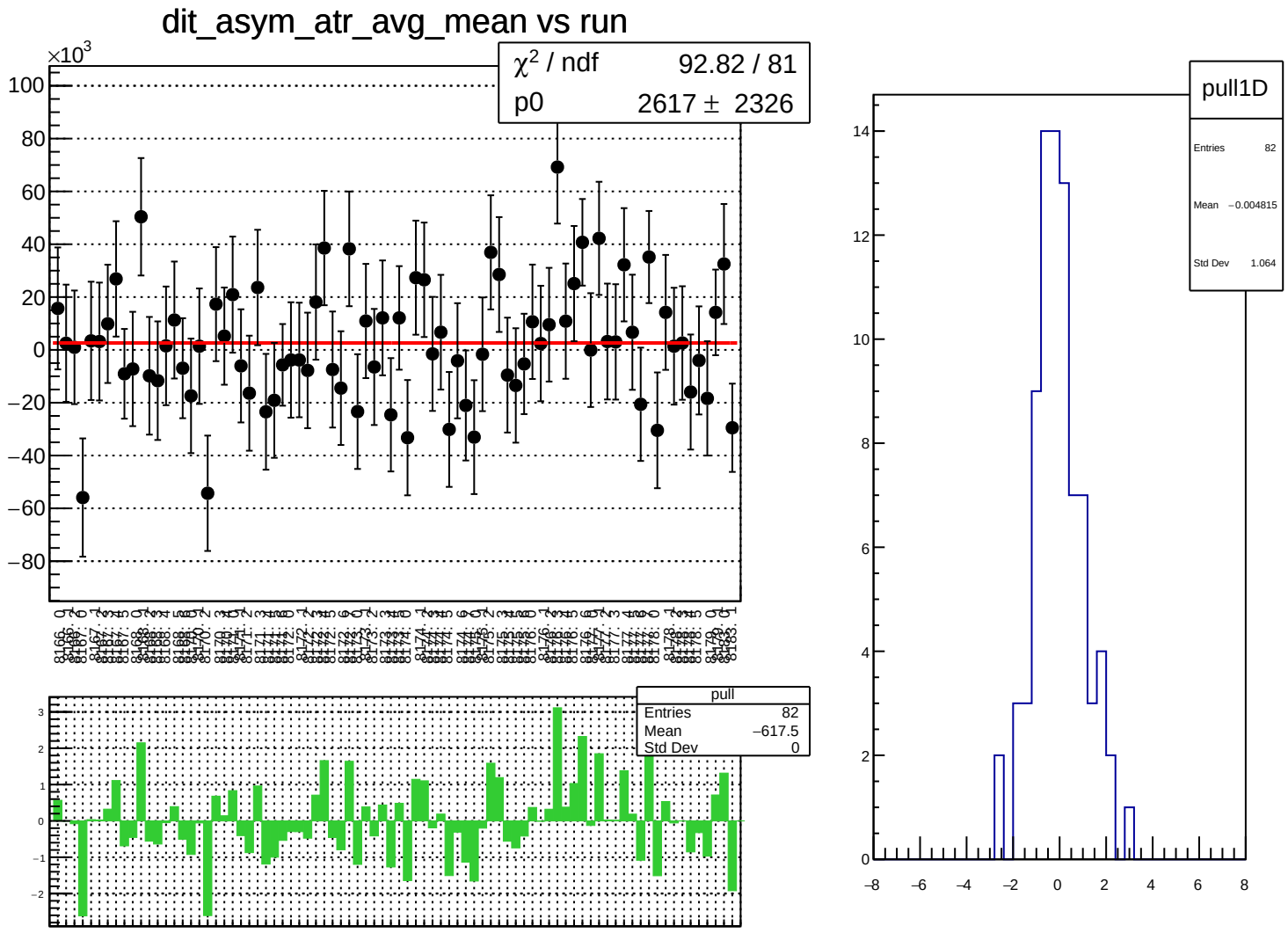

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 93.25 / 81
p0 2605 ± 2307
pull
Entries 82
Mean −696.3
Std Dev 0
pull1D
Entries 82
Mean −0.004187
Std Dev 1.066

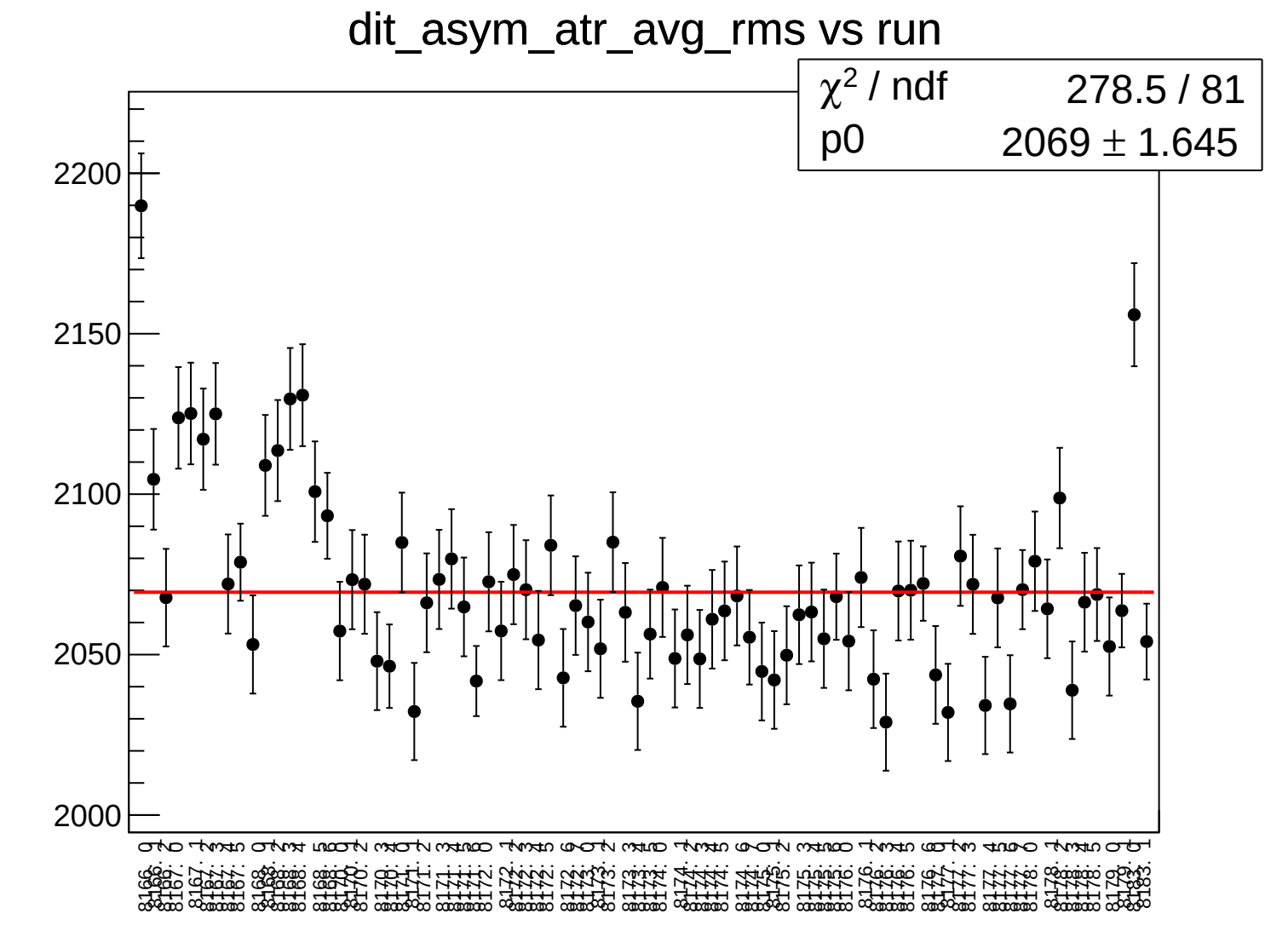

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 247 / 81
p0 2052 ± 1.631
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980

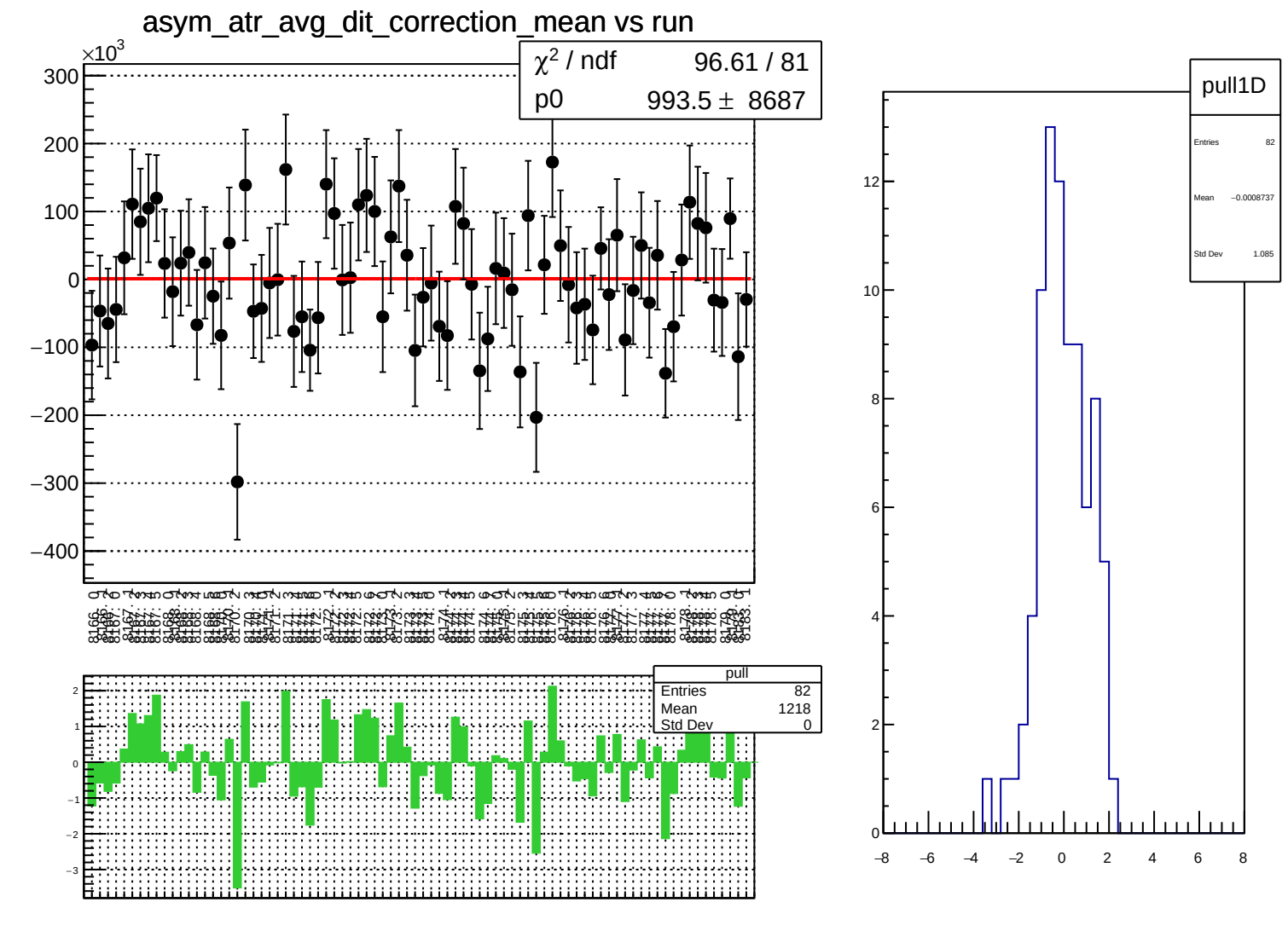

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.03 / 81
p0 680.1 ± 8590
pull
Entries 82
Mean −728.7
Std Dev 0

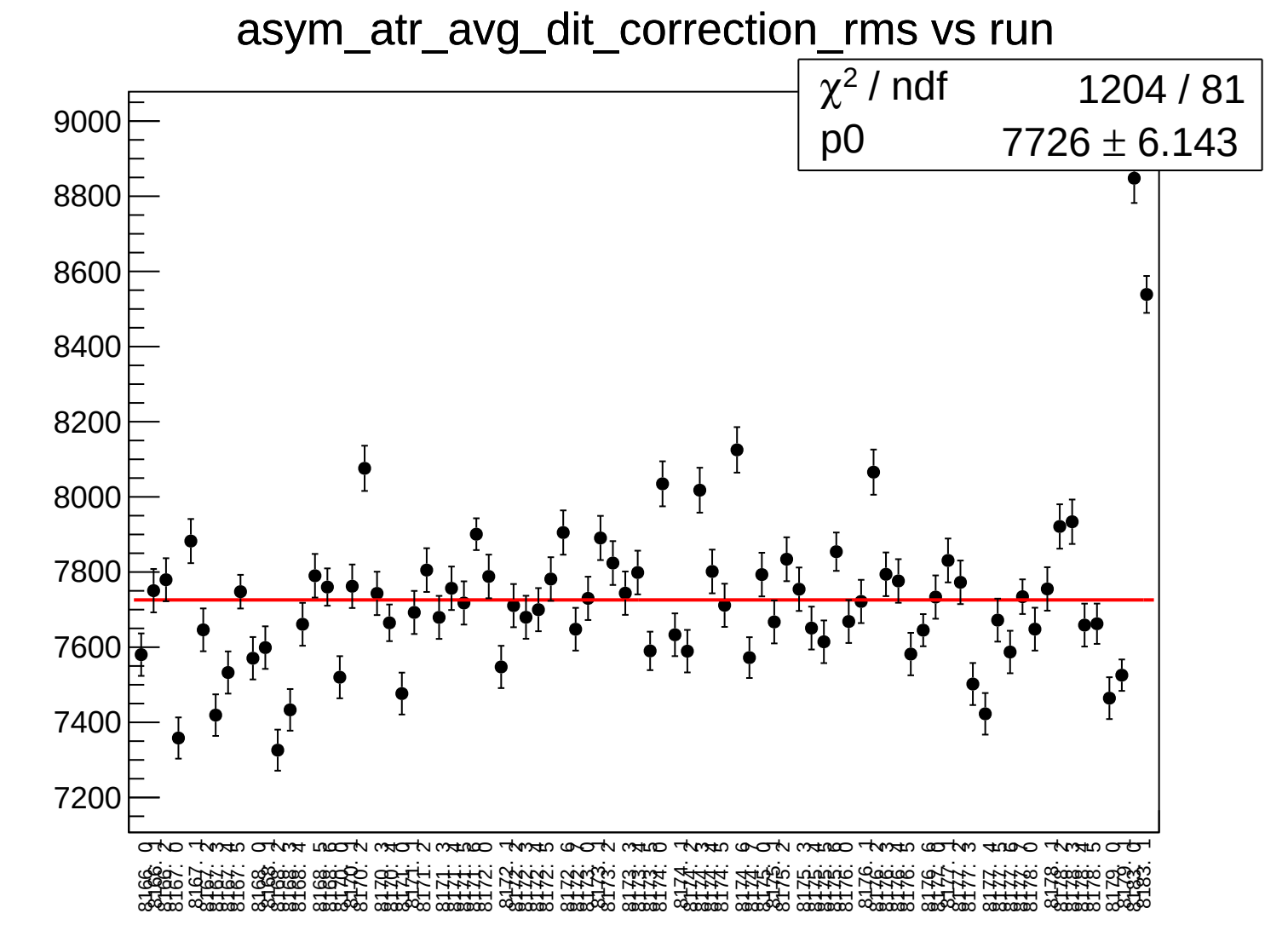

pull1D
Entries 82
Mean 0.001413
Std Dev 1.088

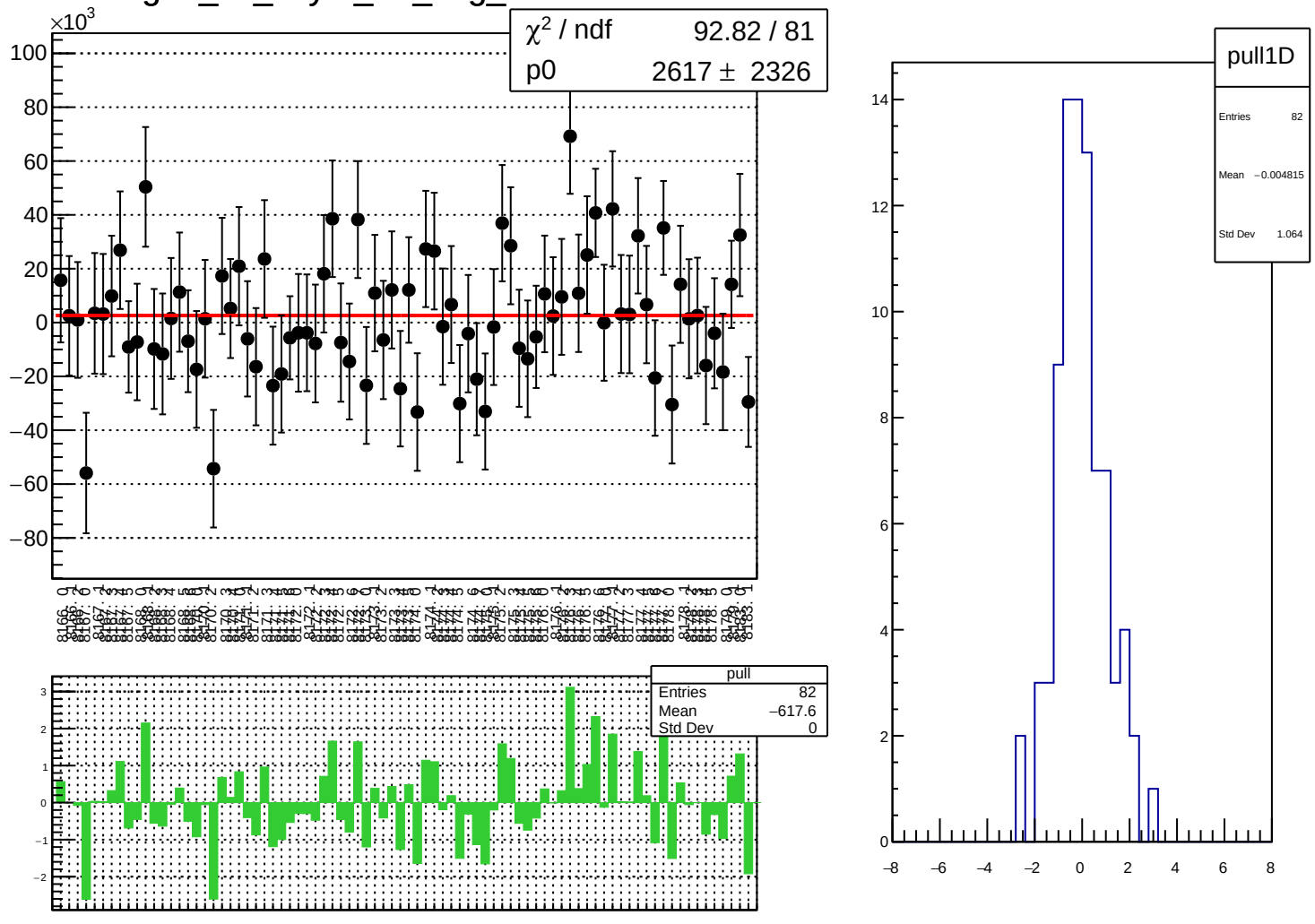

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1278 / 81
p0 7639 ± 6.074
8600
8400
8200
8000
7800
7600
7400
7200

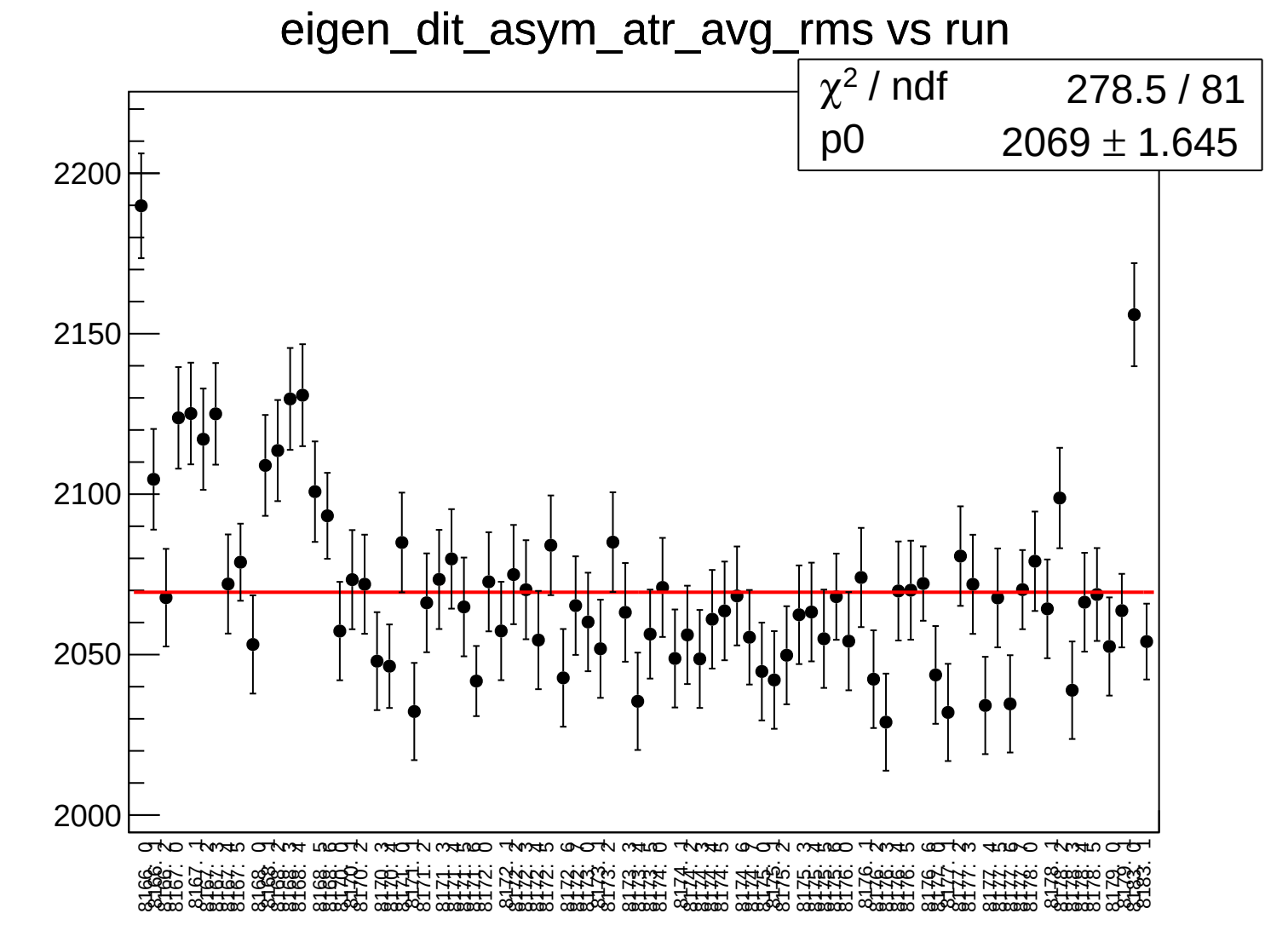

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 92.82 / 81
p0 2617 ± 2326
pull
Entries 82
Mean −617.5
Std Dev 0
pull1D
Entries 82
Mean −0.004815
Std Dev 1.064

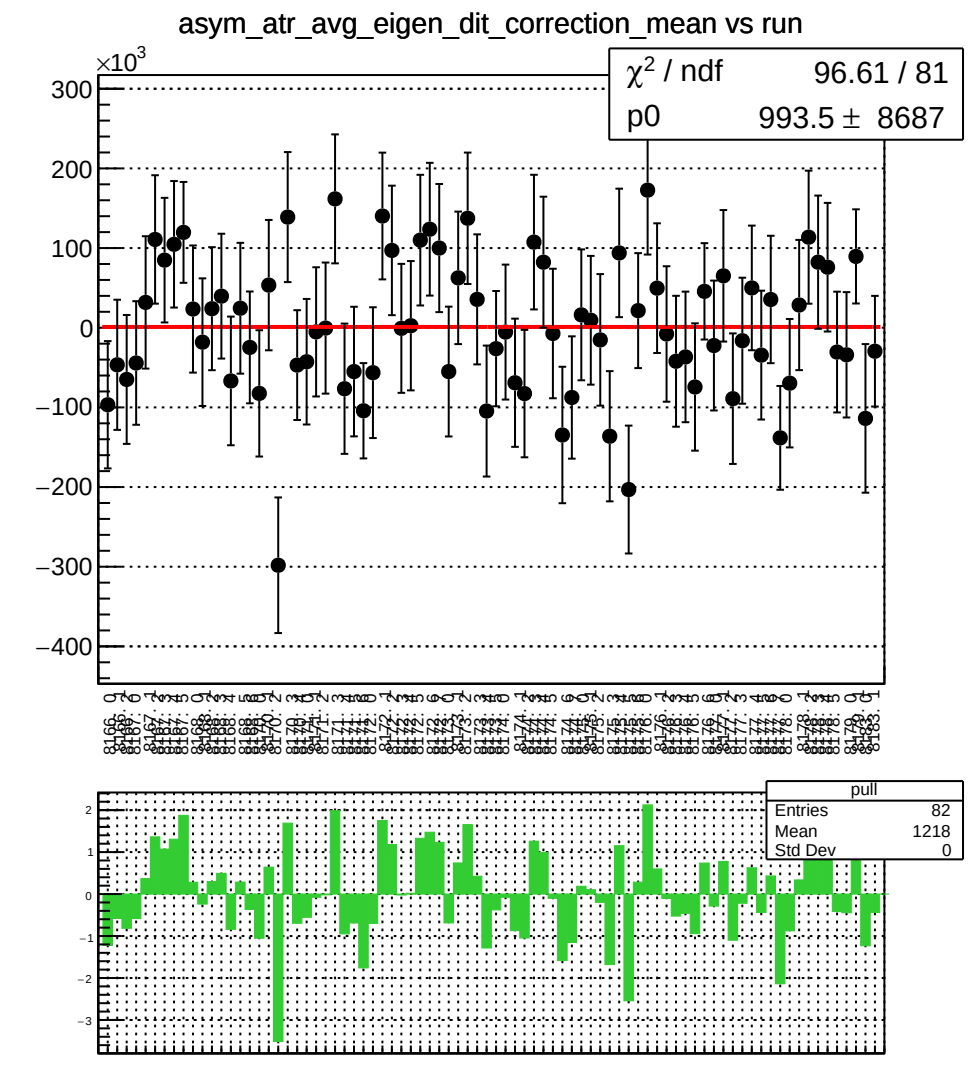

dit_asym_atr_avg_rms vs run
χ² / ndf 278.5 / 81
p0 2069 ± 1.645
2200
2150
2100
2050
2000

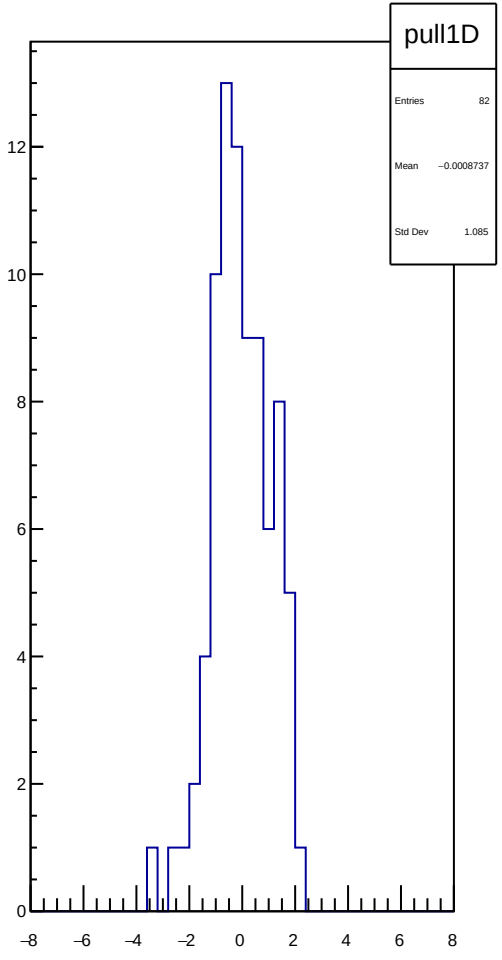

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.61 / 81
p0 993.5 ± 8687
pull
Entries 82
Mean 1218
Std Dev 0
pull1D
Entries 82
Mean −0.0008737
Std Dev 1.085

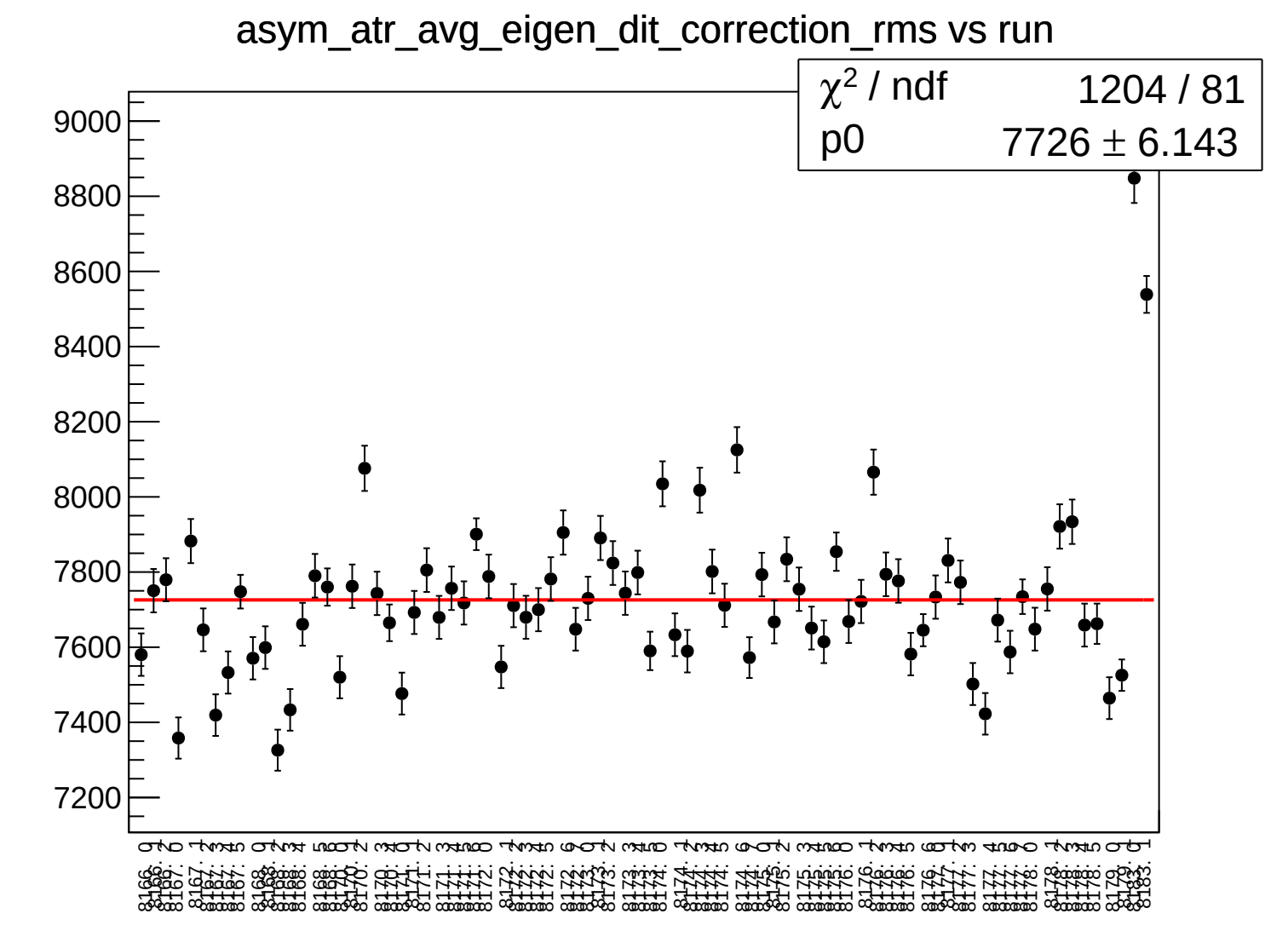

asym_atr_avg_dit_correction_rms vs run
χ^2 / ndf 1204 / 81
p0 7726 ± 6.143
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

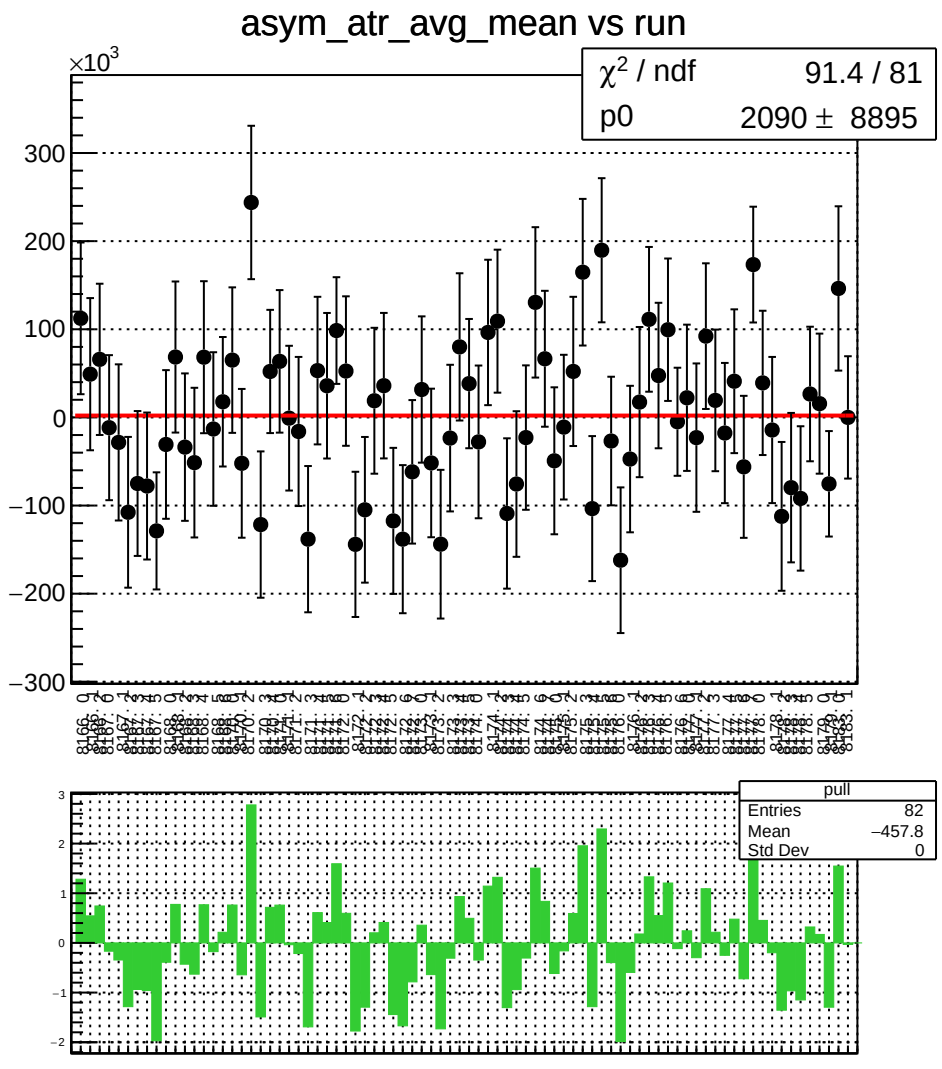

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 92.82 / 81
p0 2617 ± 2326
×10³
pull
Entries 82
Mean −617.6
Std Dev 0
pull1D
Entries 82
Mean −0.004815
Std Dev 1.064

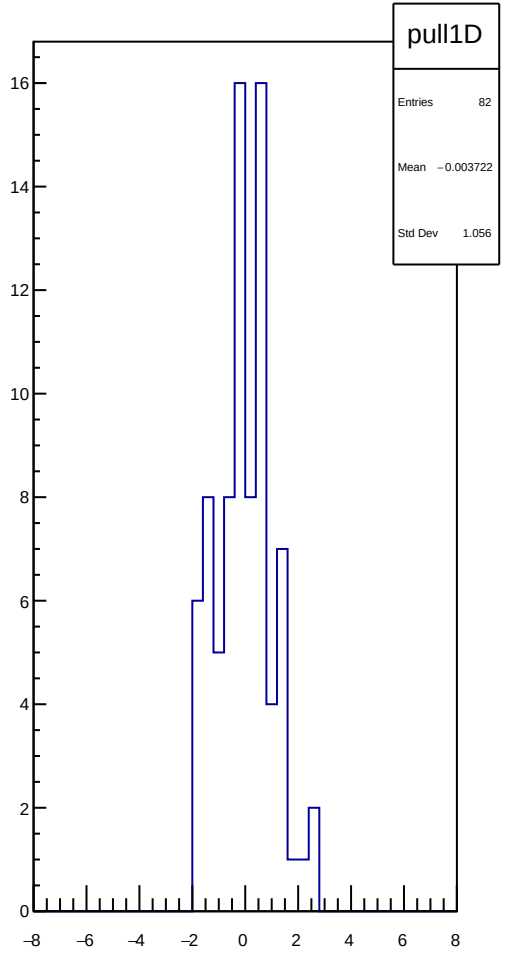

eigen_dit_asym_atr_avg_rms vs run
χ^2 / ndf 278.5 / 81
p0 2069 ± 1.645
2200
2150
2100
2050
2000

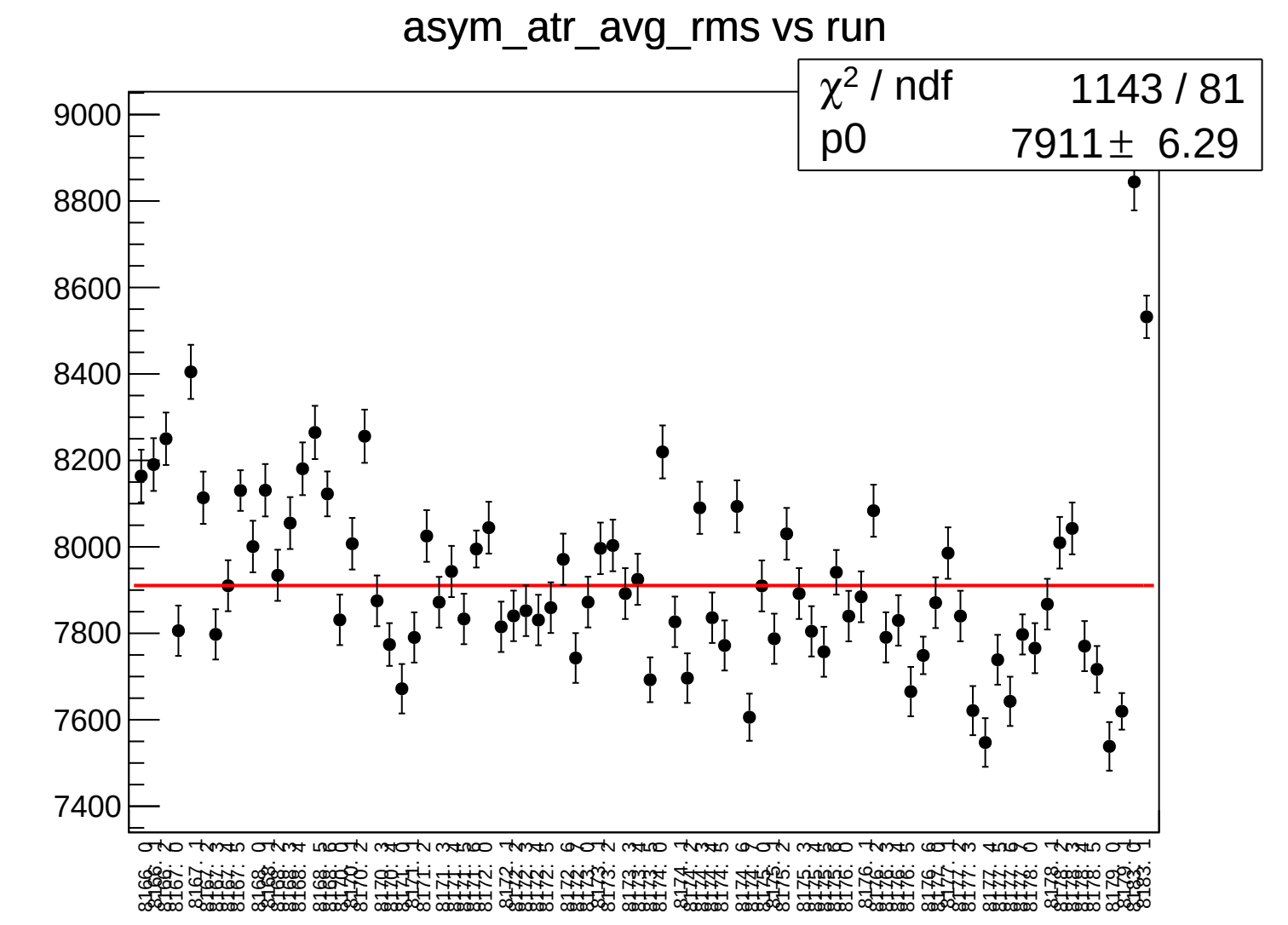

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.61 / 81
p0 993.5 ± 8687
pull
Entries 82
Mean 1218
Std Dev 0

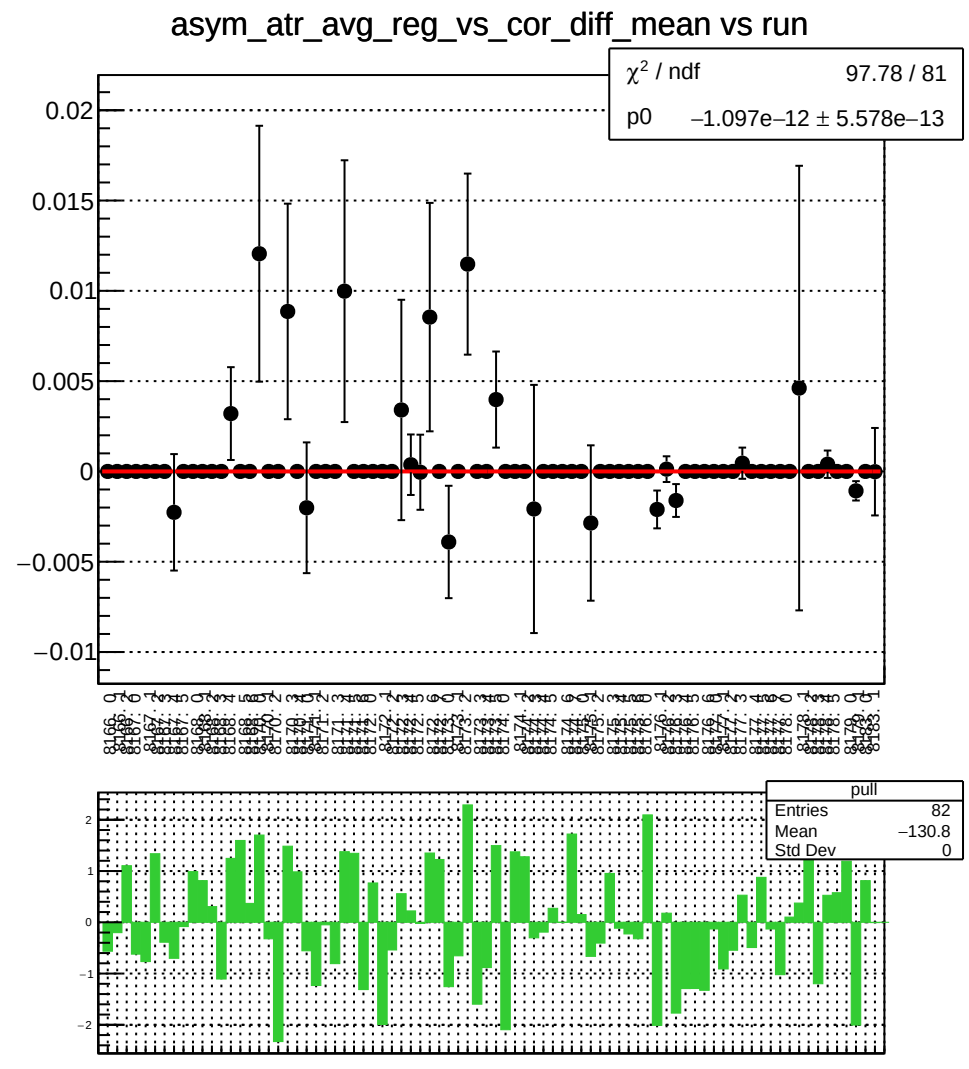

pull1D
Entries 82
Mean −0.0008737
Std Dev 1.085

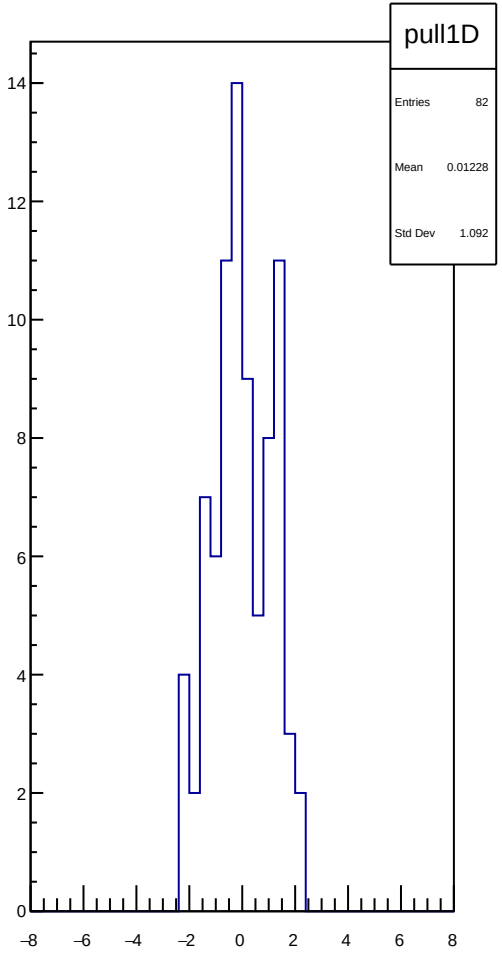

asym_atr_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 1204 / 81
p0 7726 ± 6.143
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

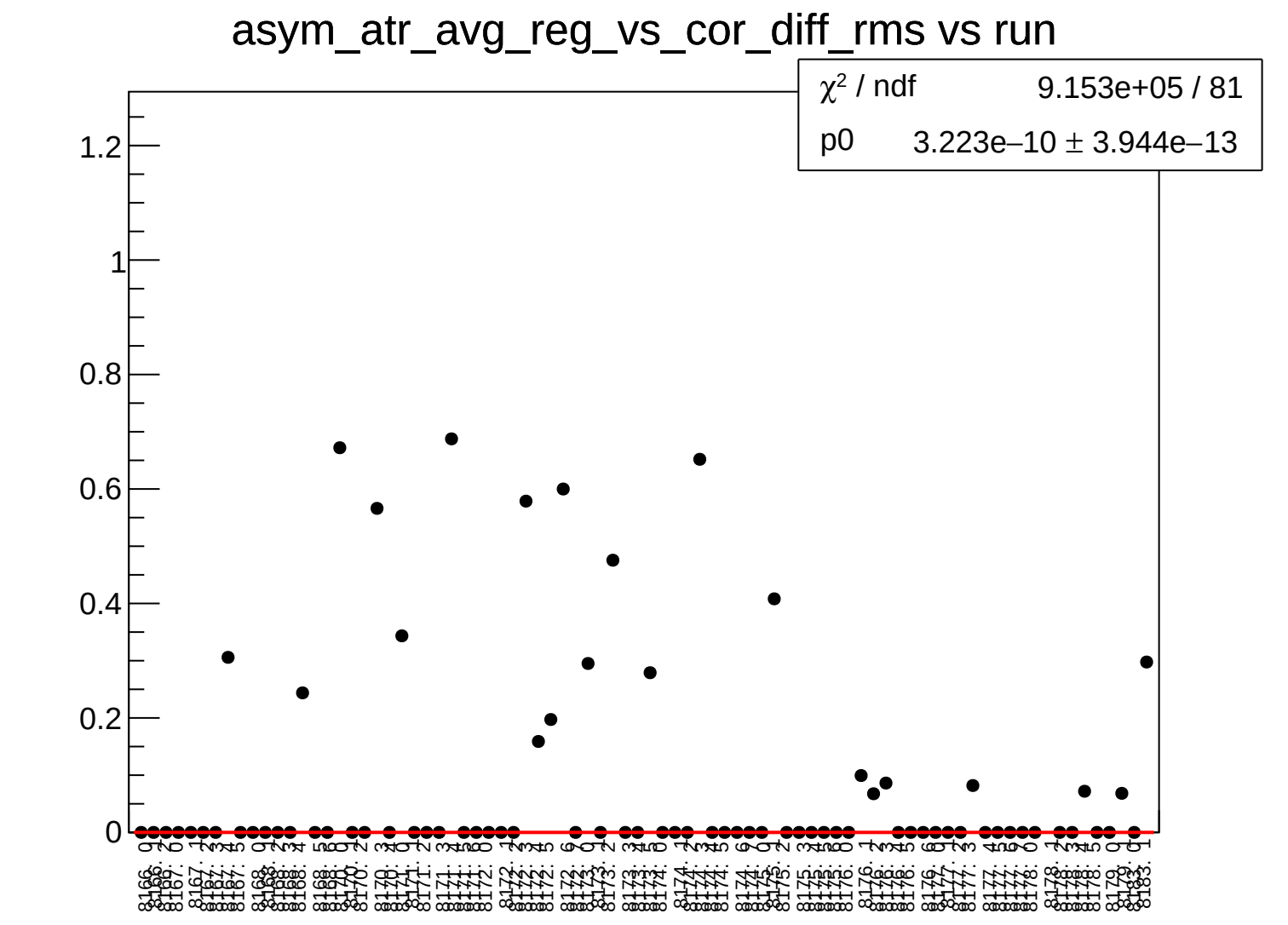

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 91.4 / 81
p0 2090 ± 8895
300
200
100
0
−100
−200
−300
pull
Entries 82
Mean −457.8
Std Dev 0
3
2
1
0
−1
−2

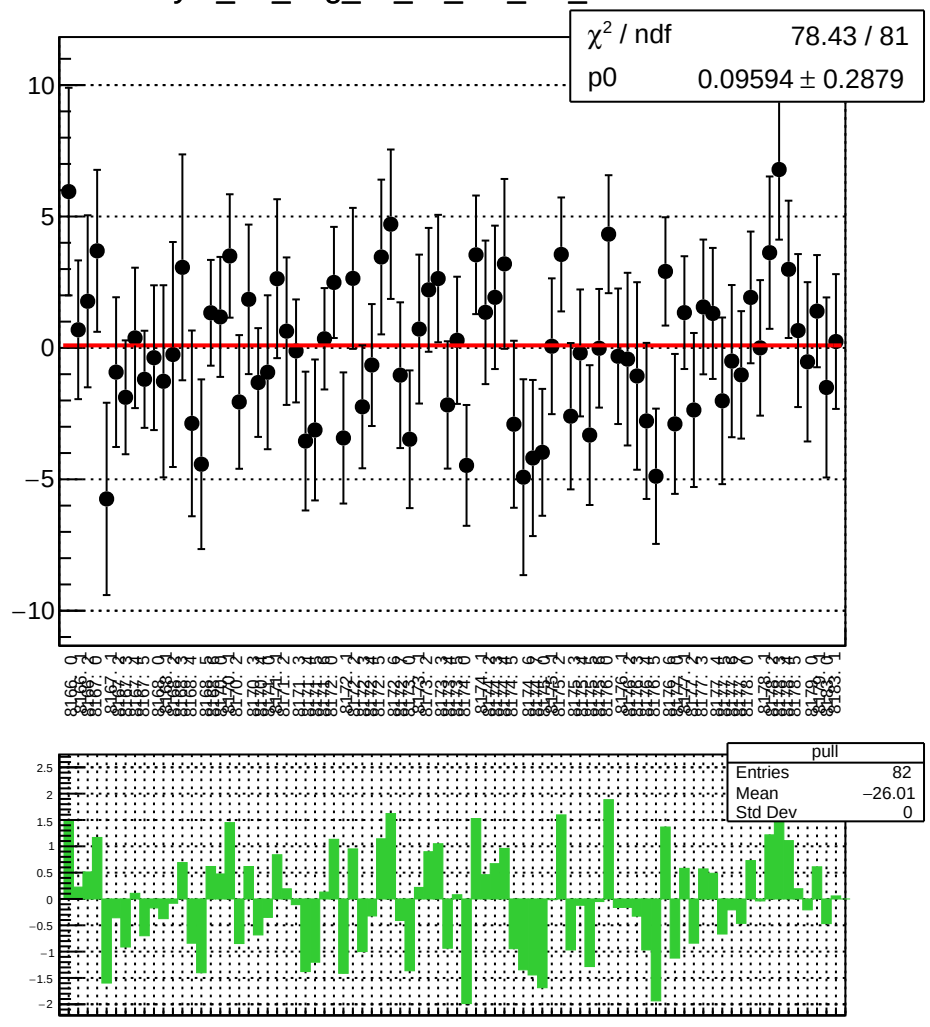

pull1D
Entries 82
Mean −0.003722
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

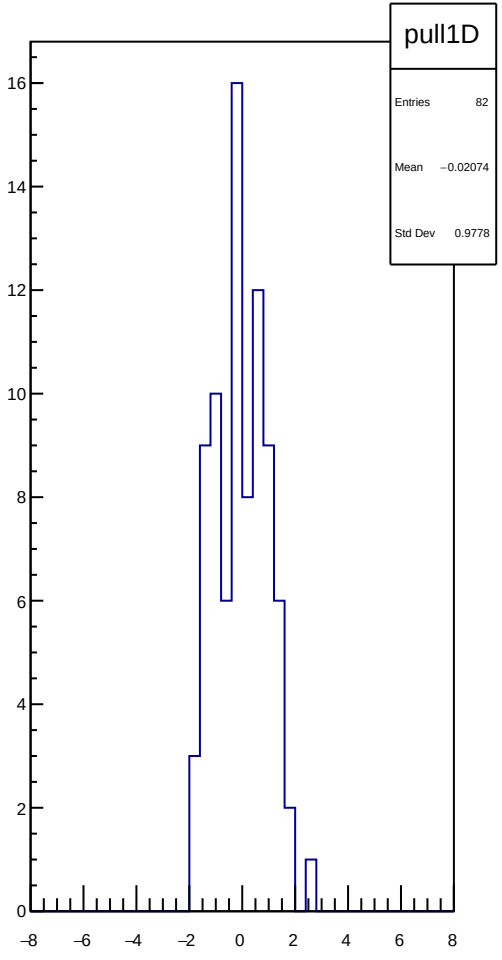

asym_atr_avg_rms vs run
χ^2 / ndf 1143 / 81
p0 7911 ± 6.29
9000
8800
8600
8400
8200
8000
7800
7600
7400

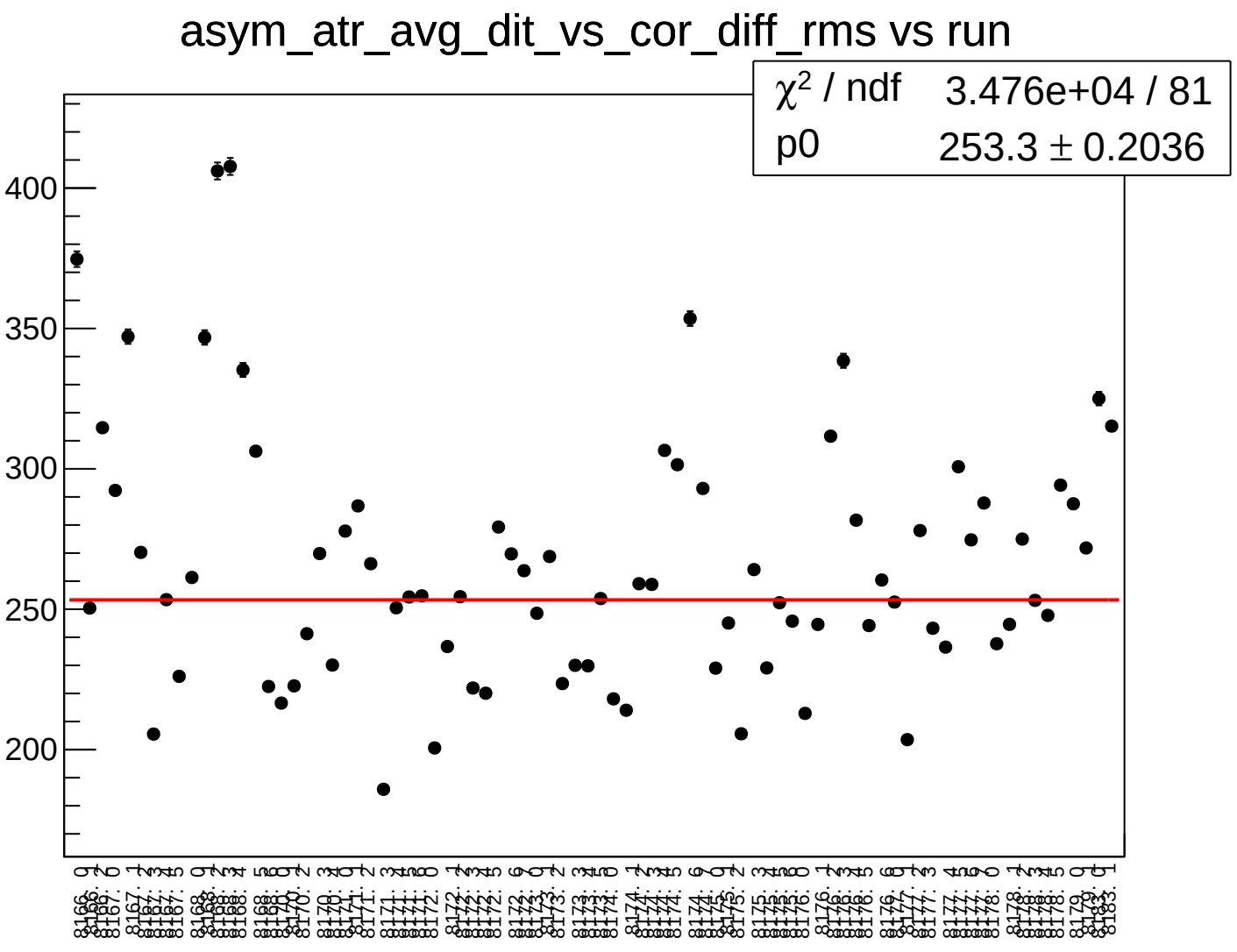

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.78 / 81
p0 −1.097e−12 ± 5.578e−13
pull
Entries 82
Mean −130.8
Std Dev 0

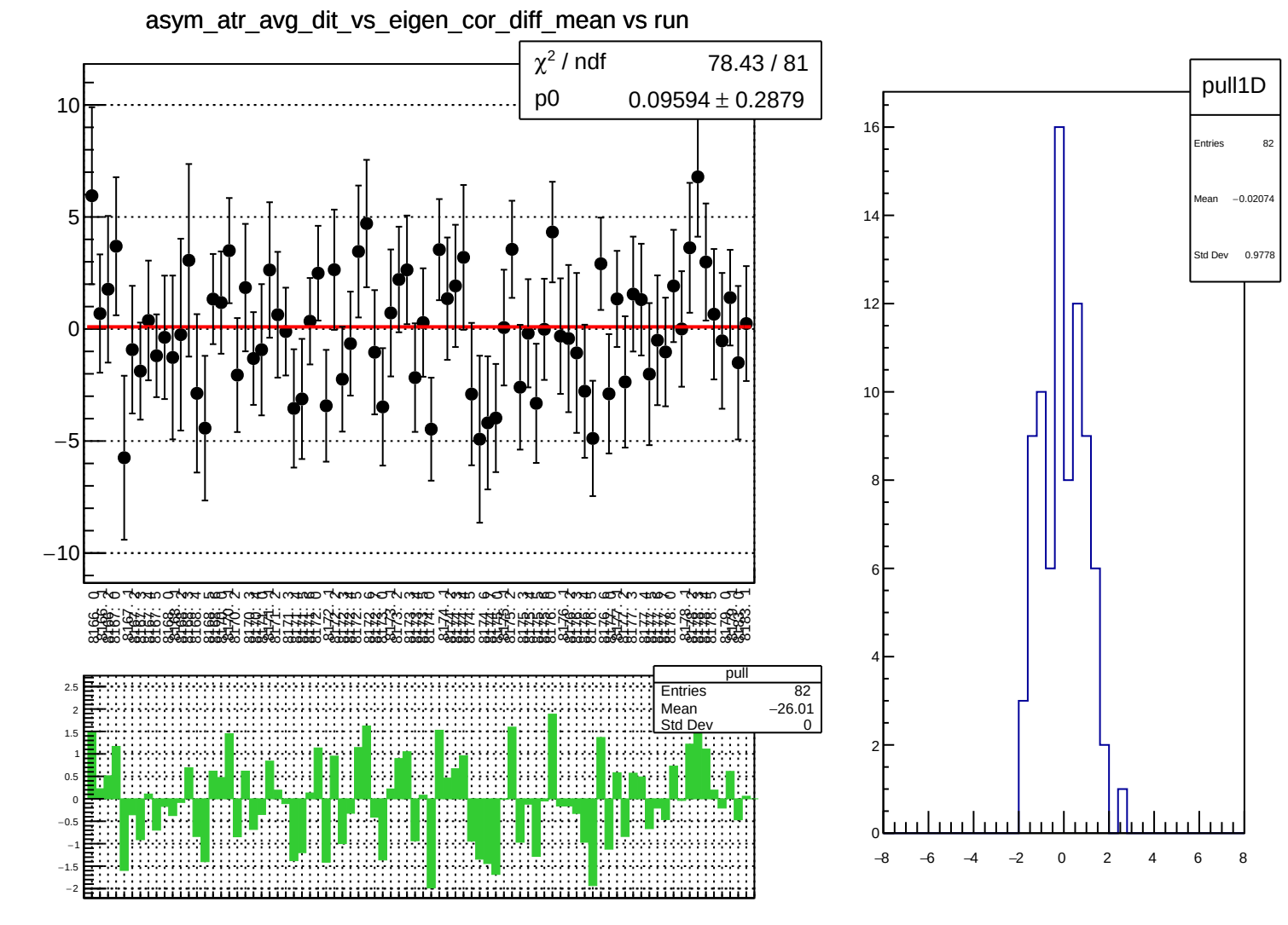

pull1D
Entries 82
Mean 0.01228
Std Dev 1.092

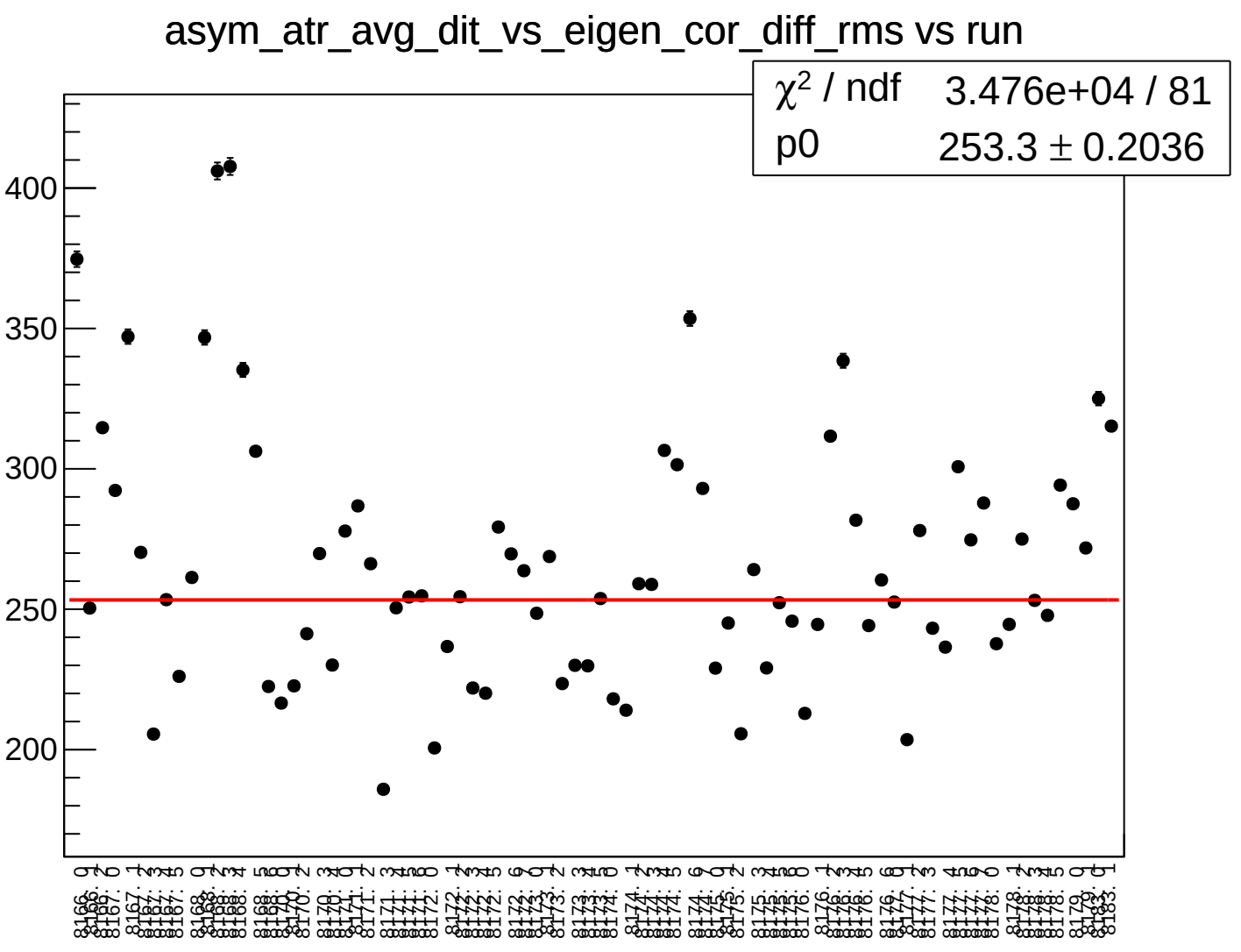

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.153e+05 / 81
p0 3.223e−10 ± 3.944e−13
1.2
1
0.8
0.6
0.4
0.2
0

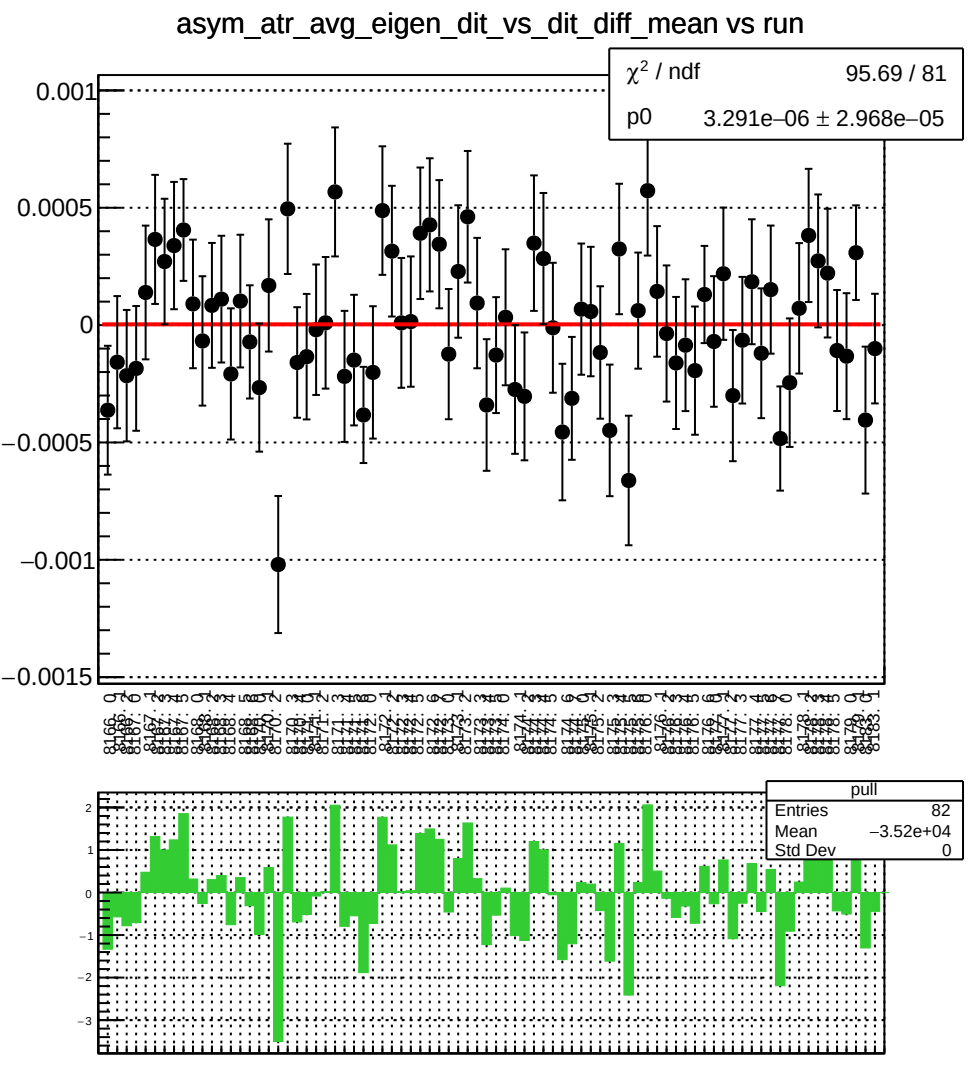

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.43 / 81
p0 0.09594 ± 0.2879
pull
Entries 82
Mean −26.01
Std Dev 0

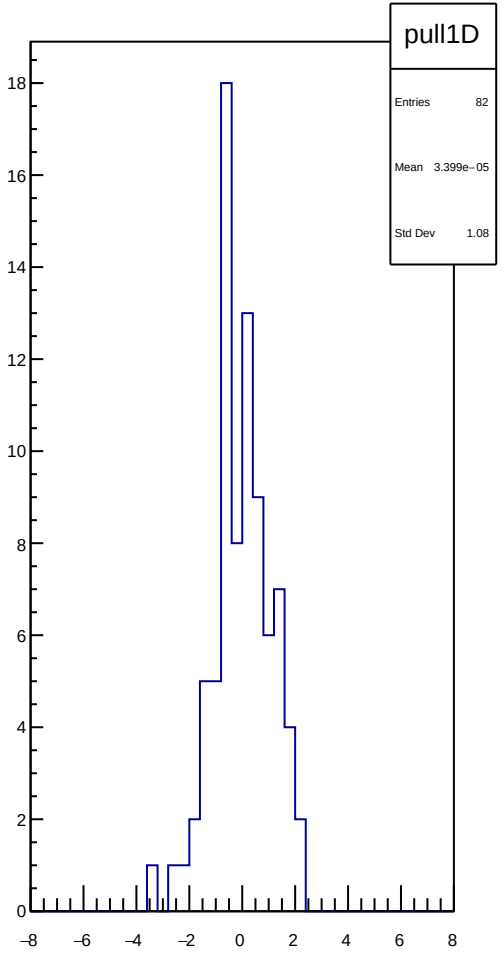

pull1D
Entries 82
Mean −0.02074
Std Dev 0.9778

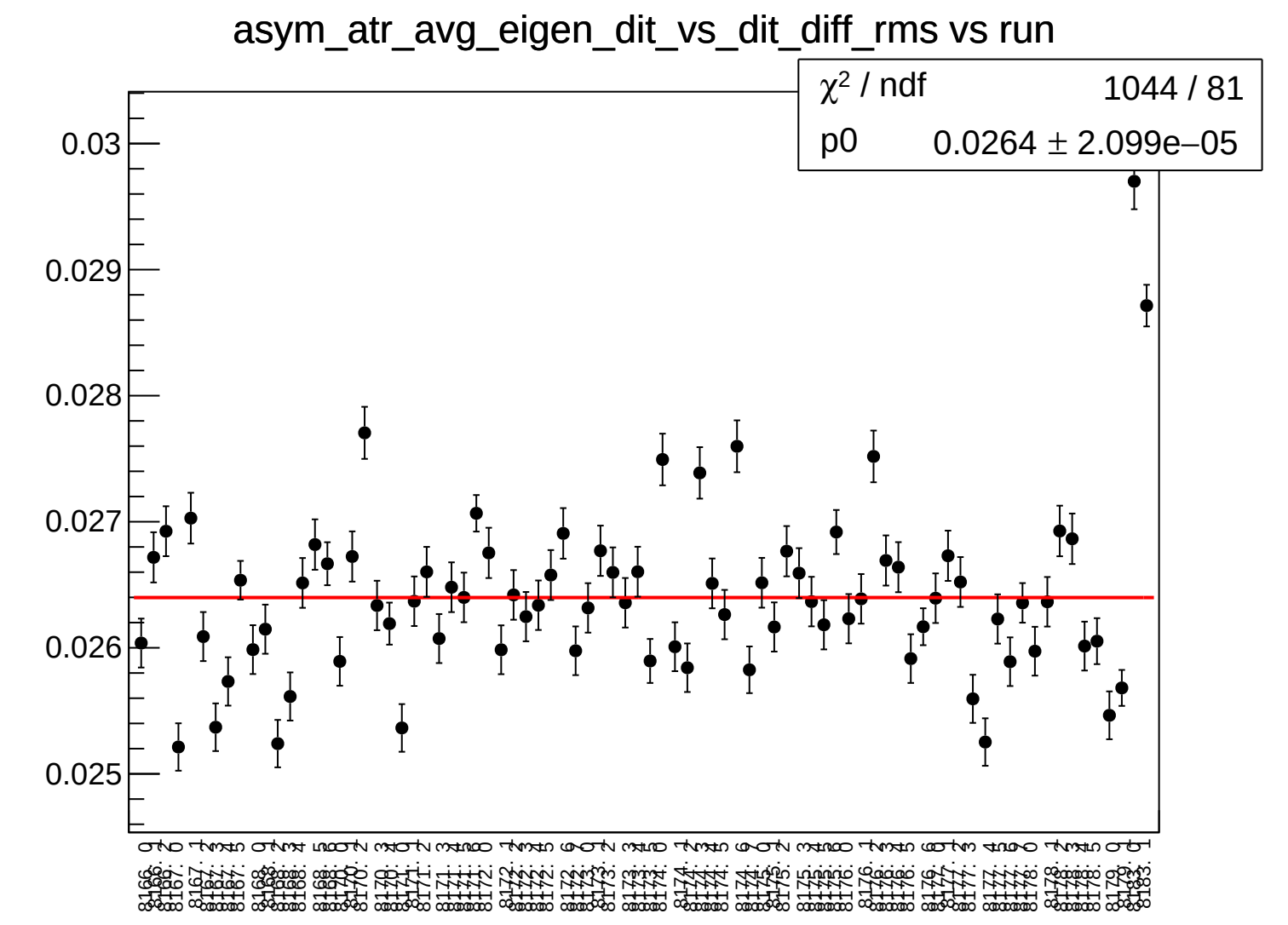

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.476e+04 / 81
p0 253.3 ± 0.2036
400
350
300
250
200

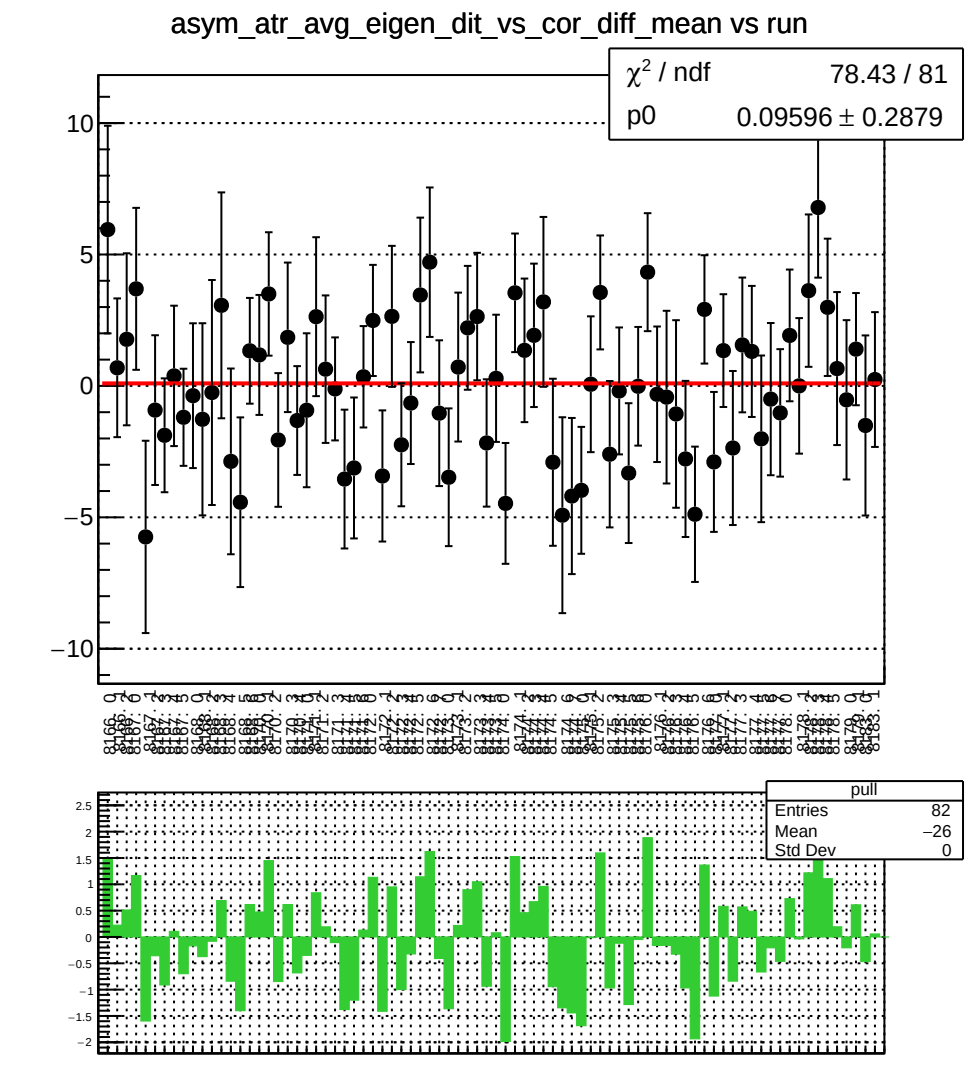

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.43 / 81
p0 0.09594 ± 0.2879
pull
Entries 82
Mean −26.01
Std Dev 0
pull1D
Entries 82
Mean −0.02074
Std Dev 0.9778

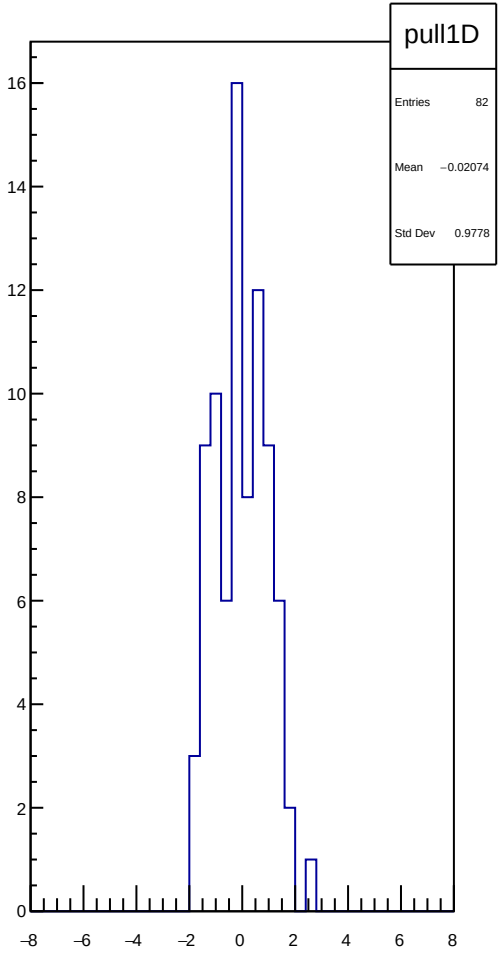

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.476e+04 / 81
p0 253.3 ± 0.2036
400
350
300
250
200

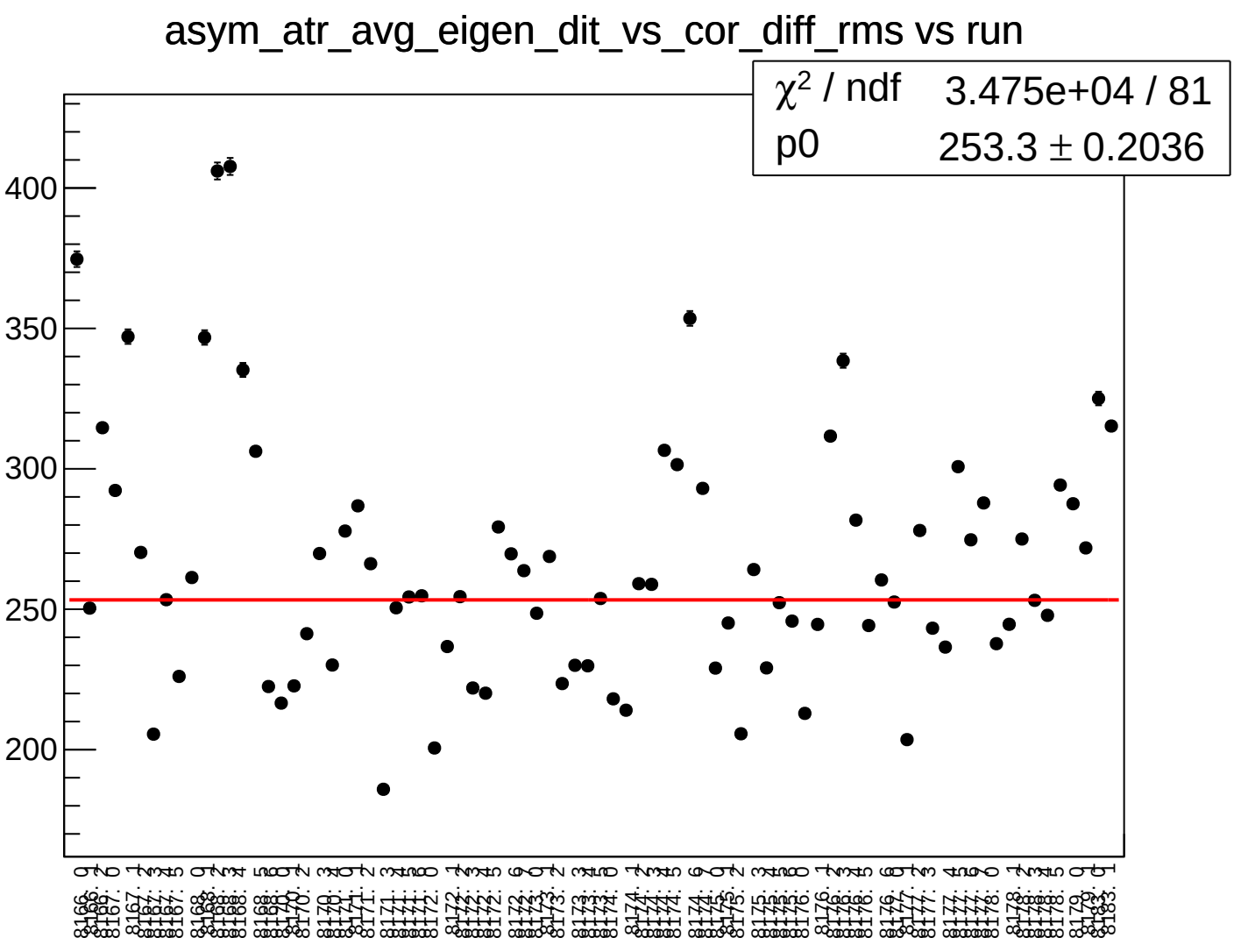

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.69 / 81
p0 3.291e−06 ± 2.968e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean −3.52e+04
Std Dev 0
2
1
0
−1
−2
−3

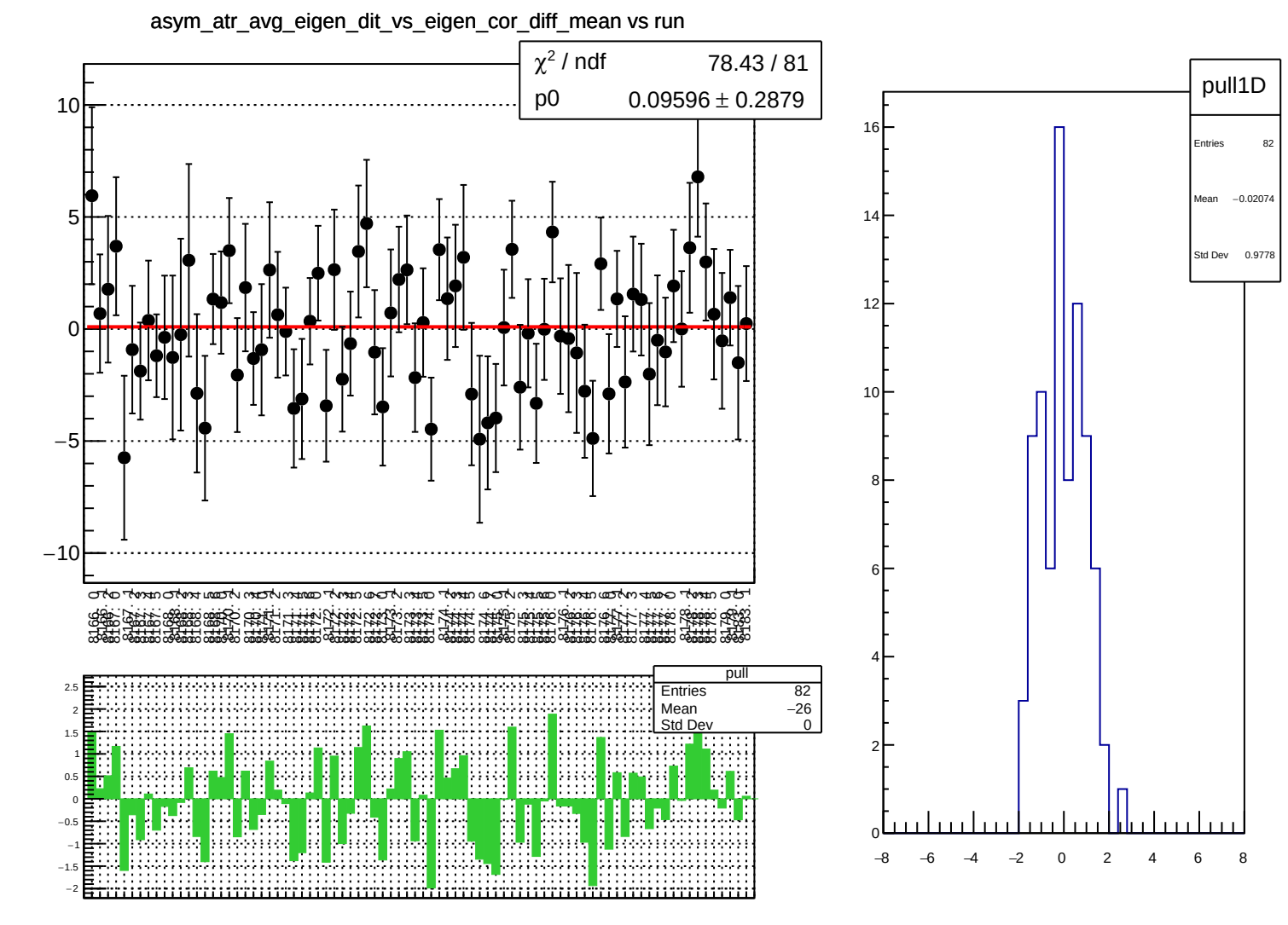

pull1D
Entries 82
Mean 3.399e−05
Std Dev 1.08
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

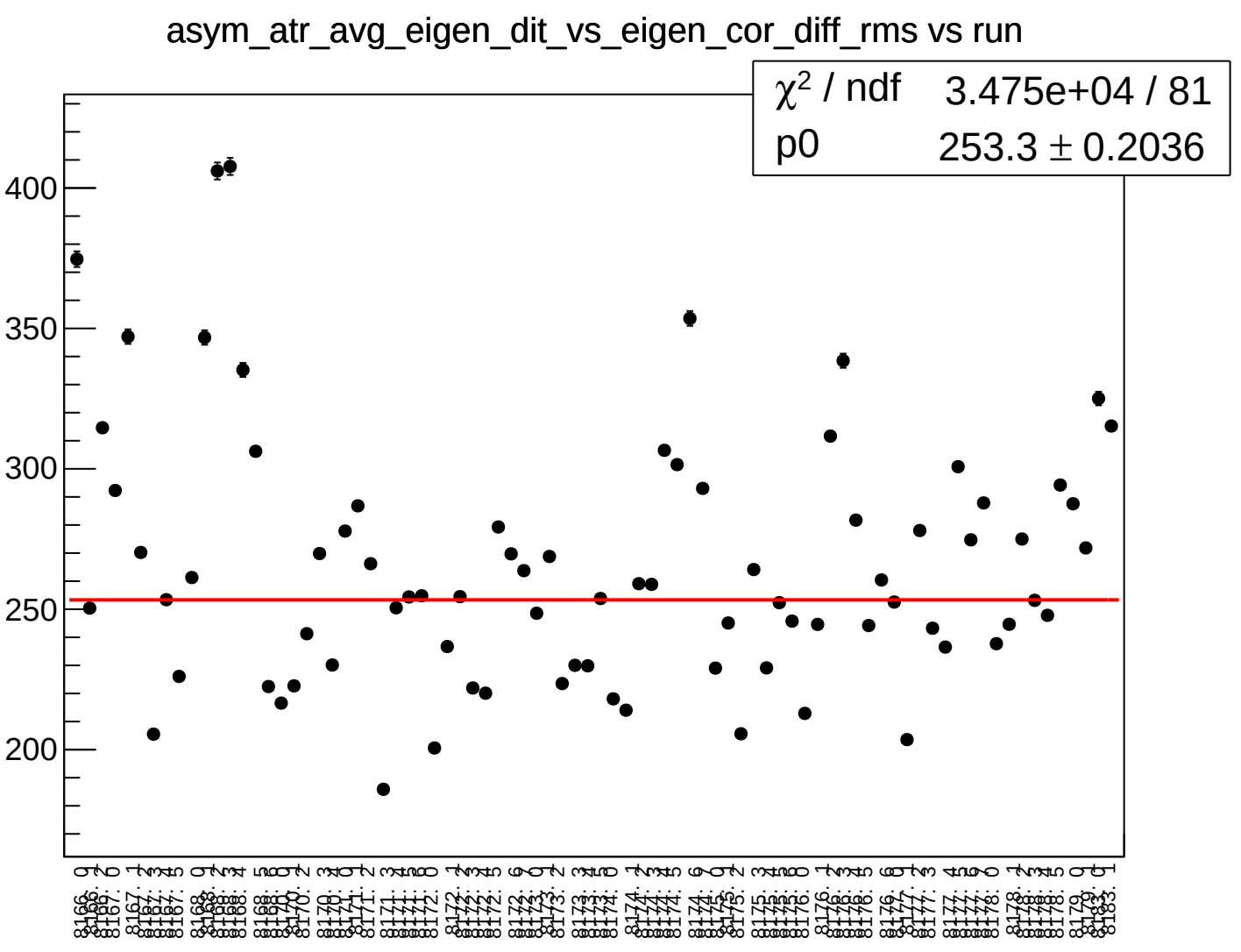

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1044 / 81
p0 0.0264 ± 2.099e−05
0.03
0.029
0.028
0.027
0.026
0.025

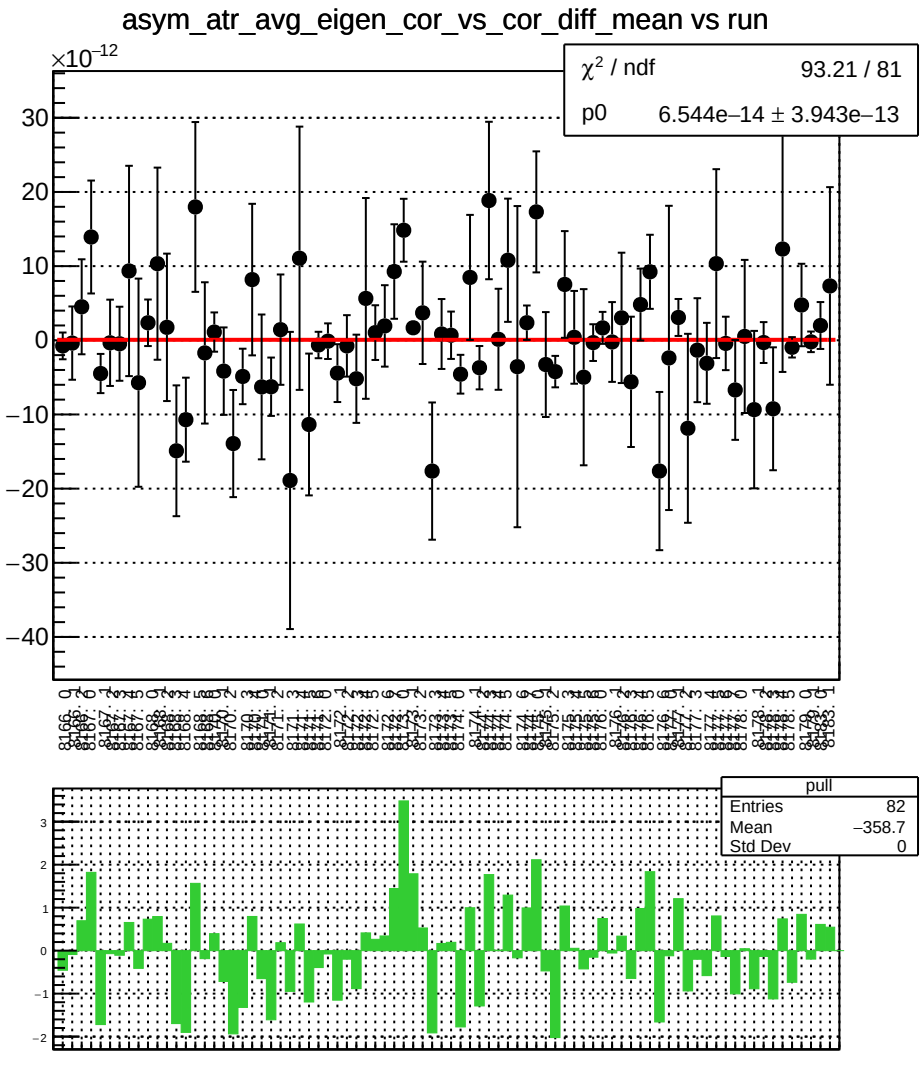

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.43 / 81
p0 0.09596 ± 0.2879
pull
Entries 82
Mean −26
Std Dev 0

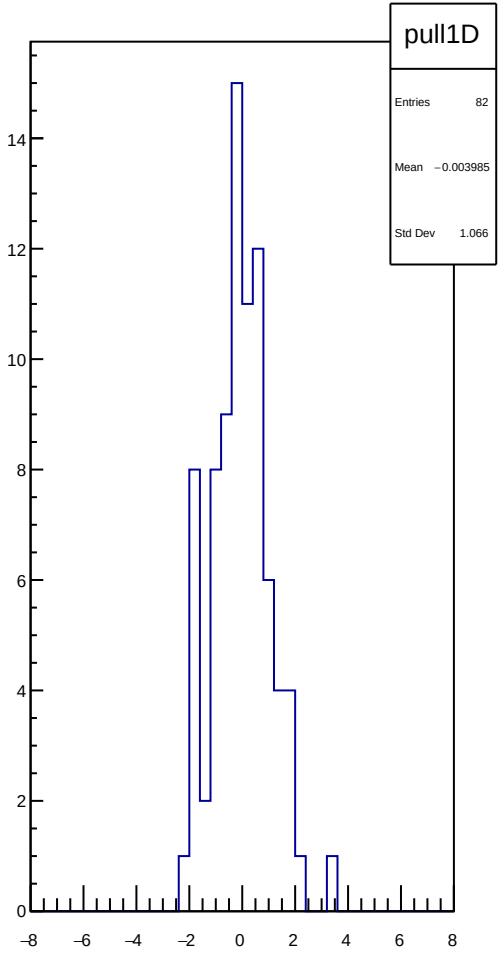

pull1D
Entries 82
Mean −0.02074
Std Dev 0.9778

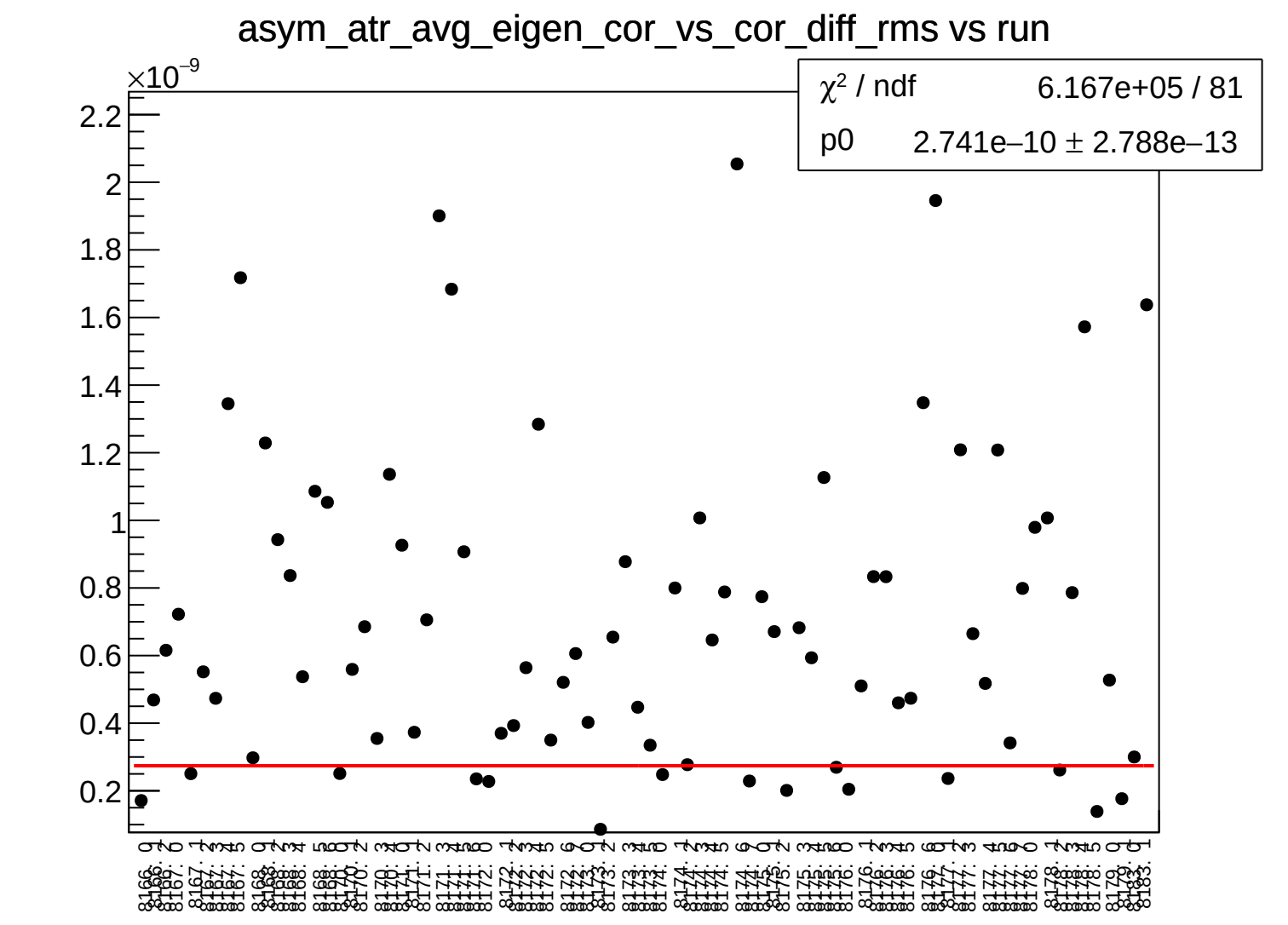

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.475e+04 / 81
p0 253.3 ± 0.2036
400
350
300
250
200

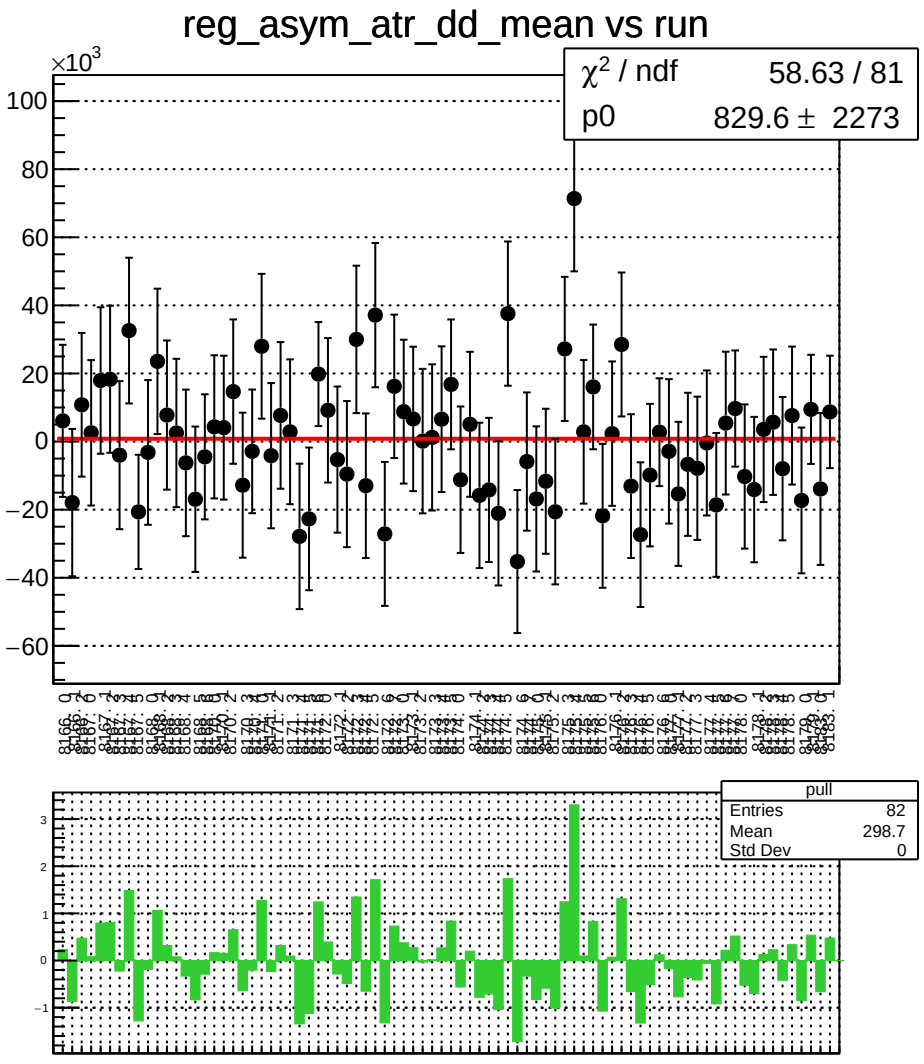

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.43 / 81
p0 0.09596 ± 0.2879
pull
Entries 82
Mean −26
Std Dev 0
pull1D
Entries 82
Mean −0.02074
Std Dev 0.9778

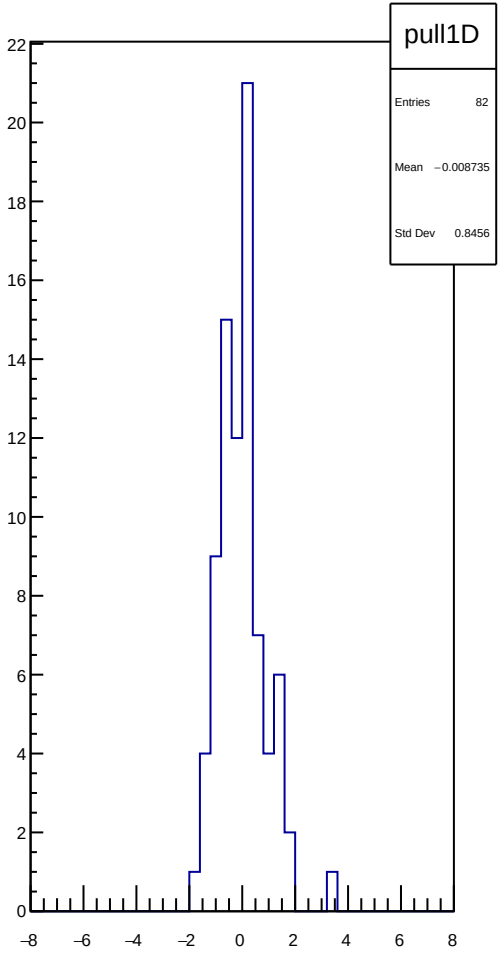

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.475e+04 / 81
p0 253.3 ± 0.2036
400
350
300
250
200

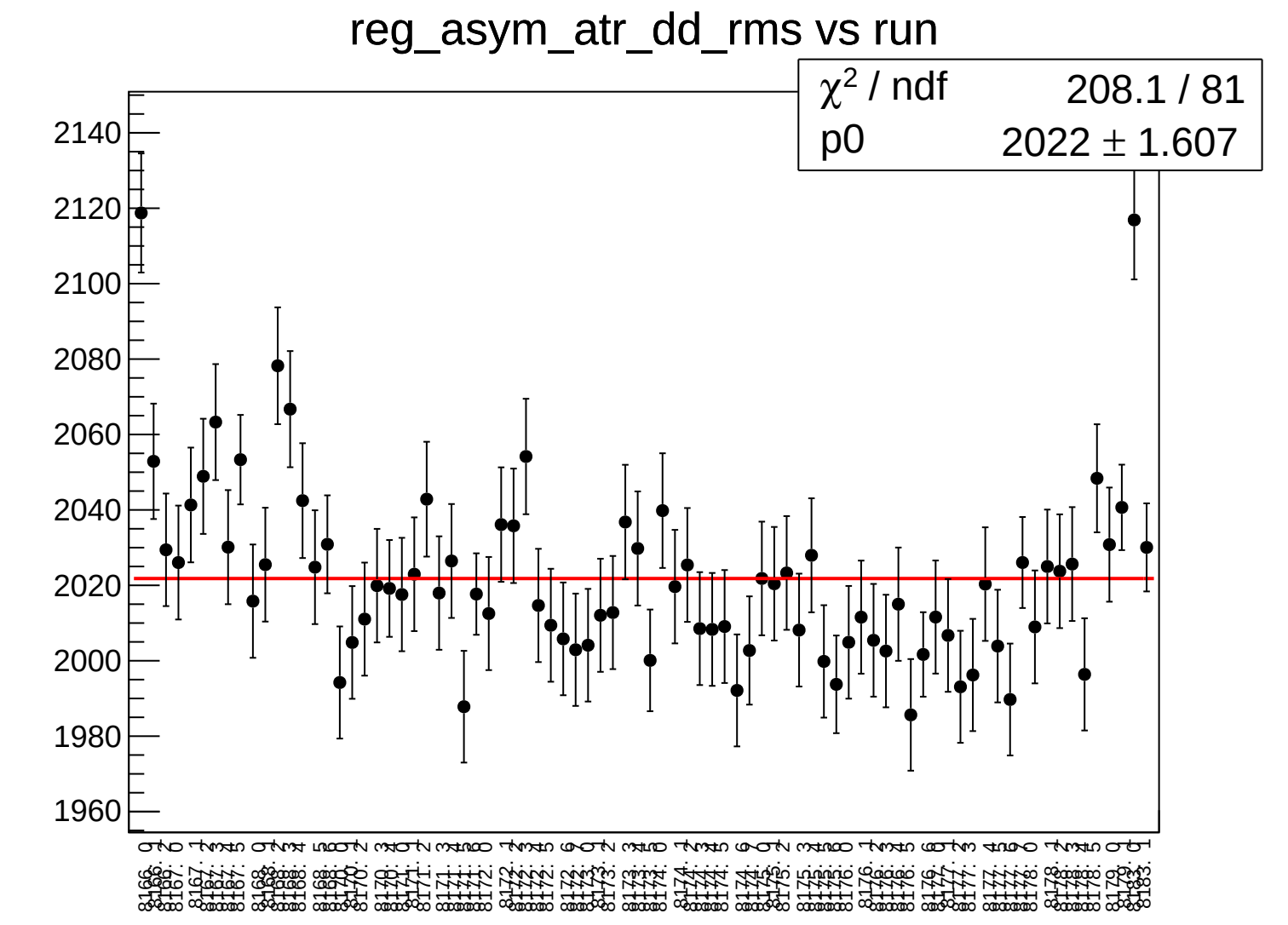

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.21 / 81
p0 6.544e−14 ± 3.943e−13
pull
Entries 82
Mean −358.7
Std Dev 0

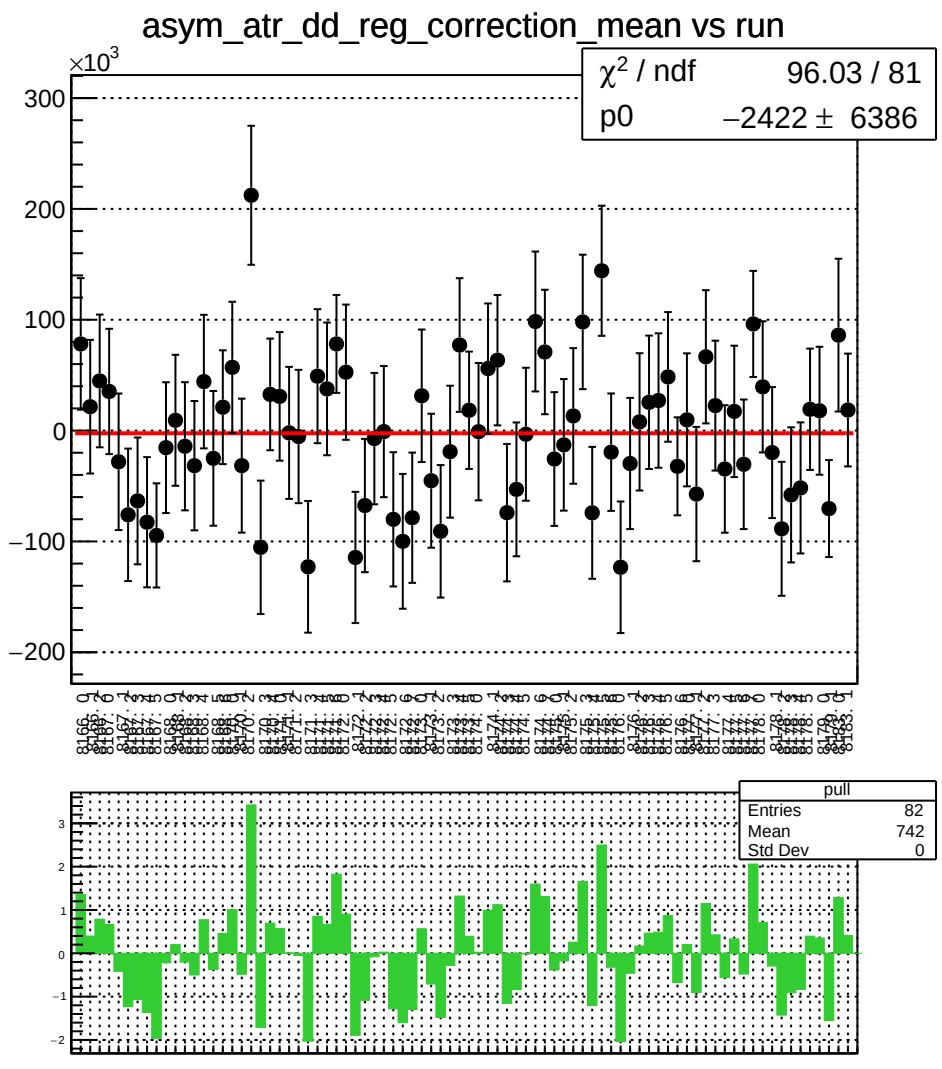

pull1D
Entries 82
Mean −0.003985
Std Dev 1.066

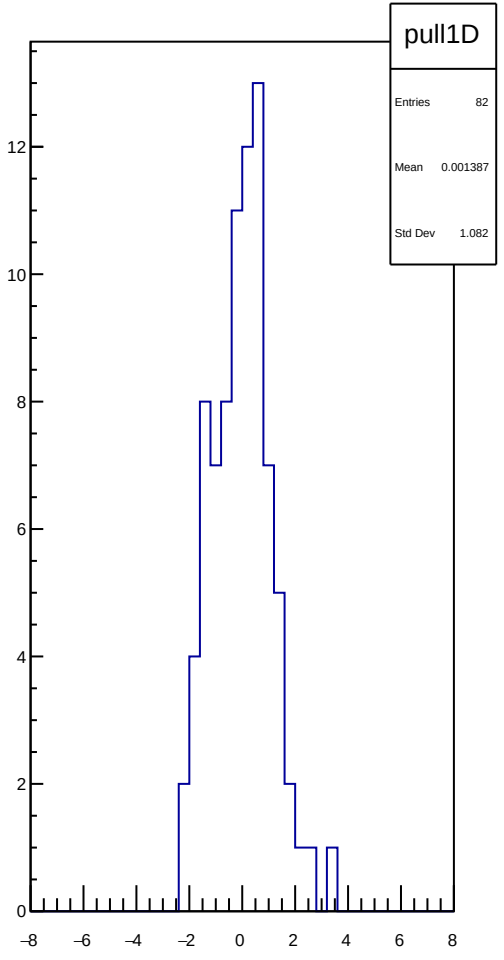

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.167e+05 / 81
p0 2.741e−10 ± 2.788e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

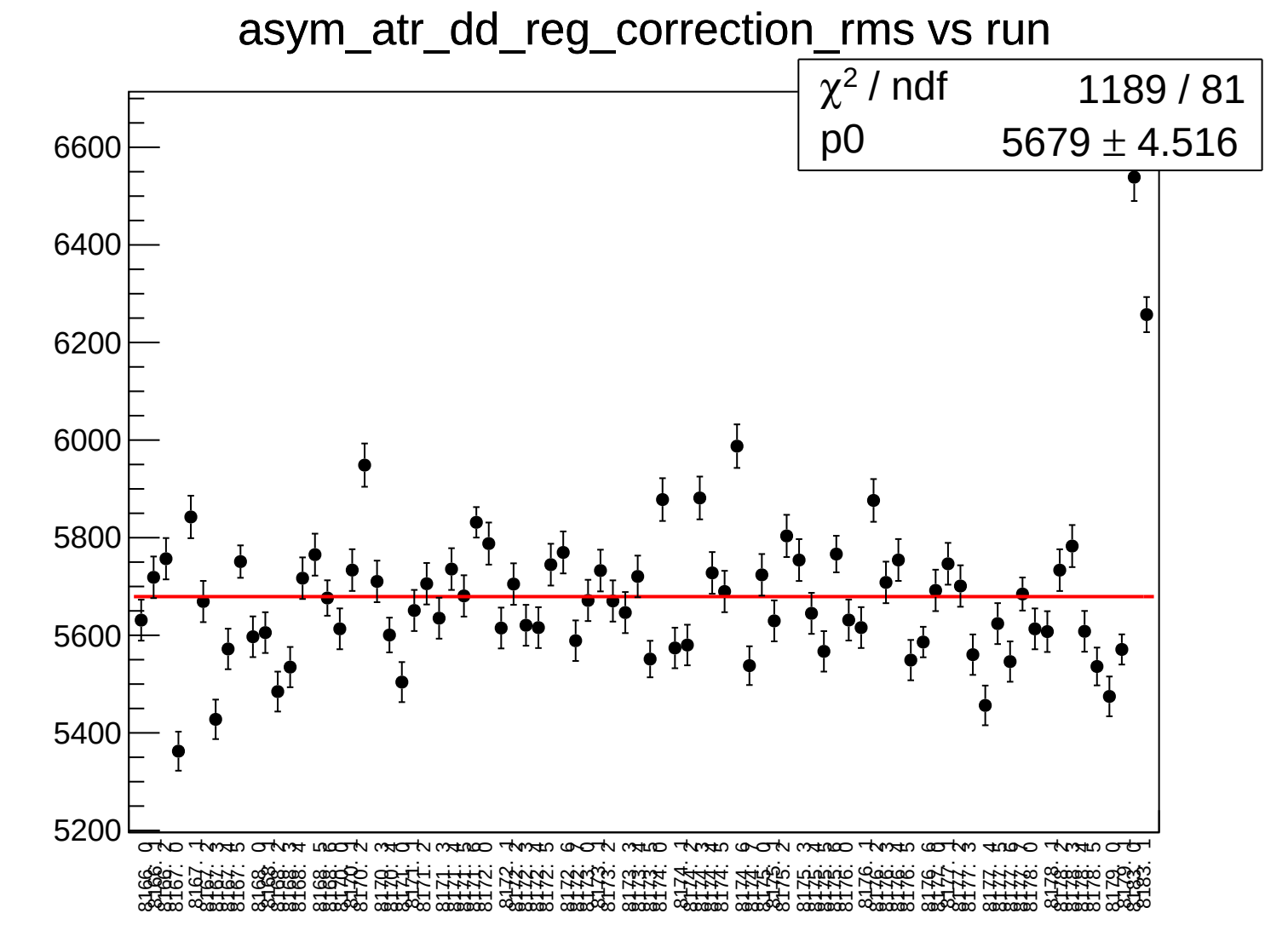

reg_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 58.63 / 81
p0 829.6 ± 2273
pull
Entries 82
Mean 298.7
Std Dev 0

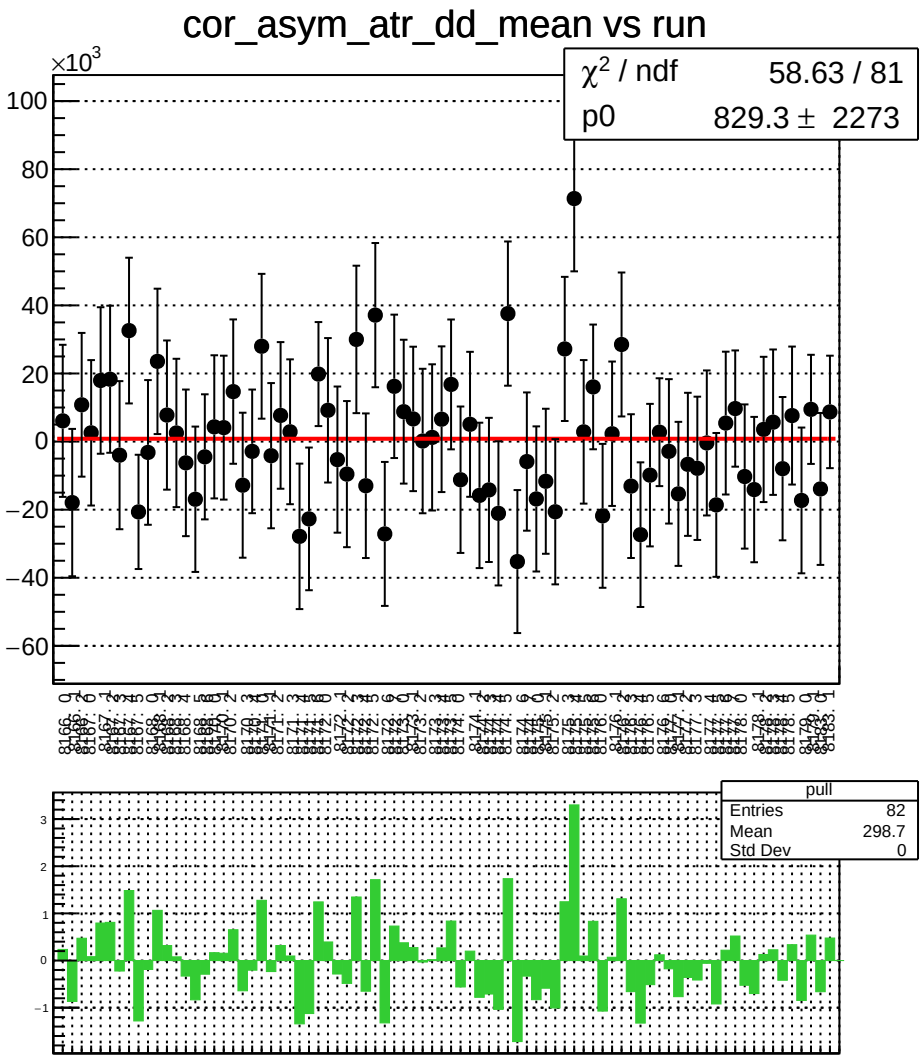

pull1D
Entries 82
Mean −0.008735
Std Dev 0.8456

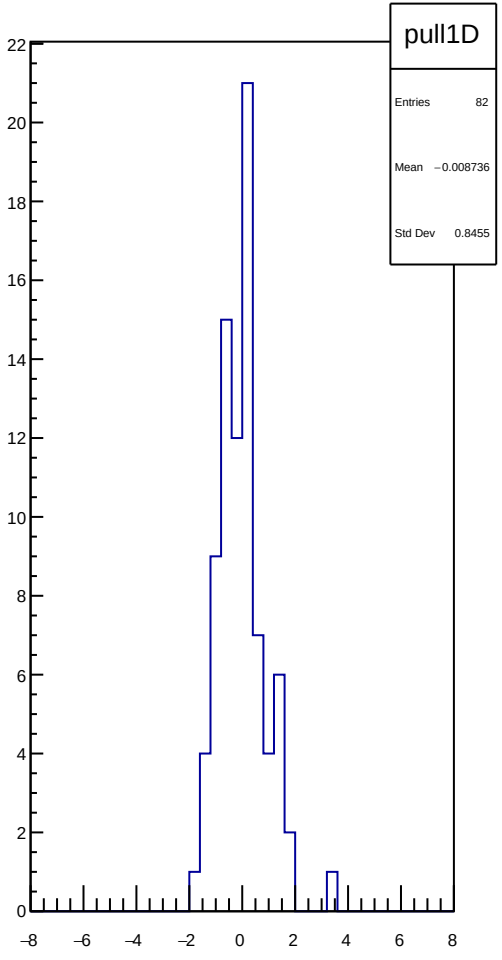

reg_asym_atr_dd_rms vs run
χ² / ndf 208.1 / 81
p0 2022 ± 1.607
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

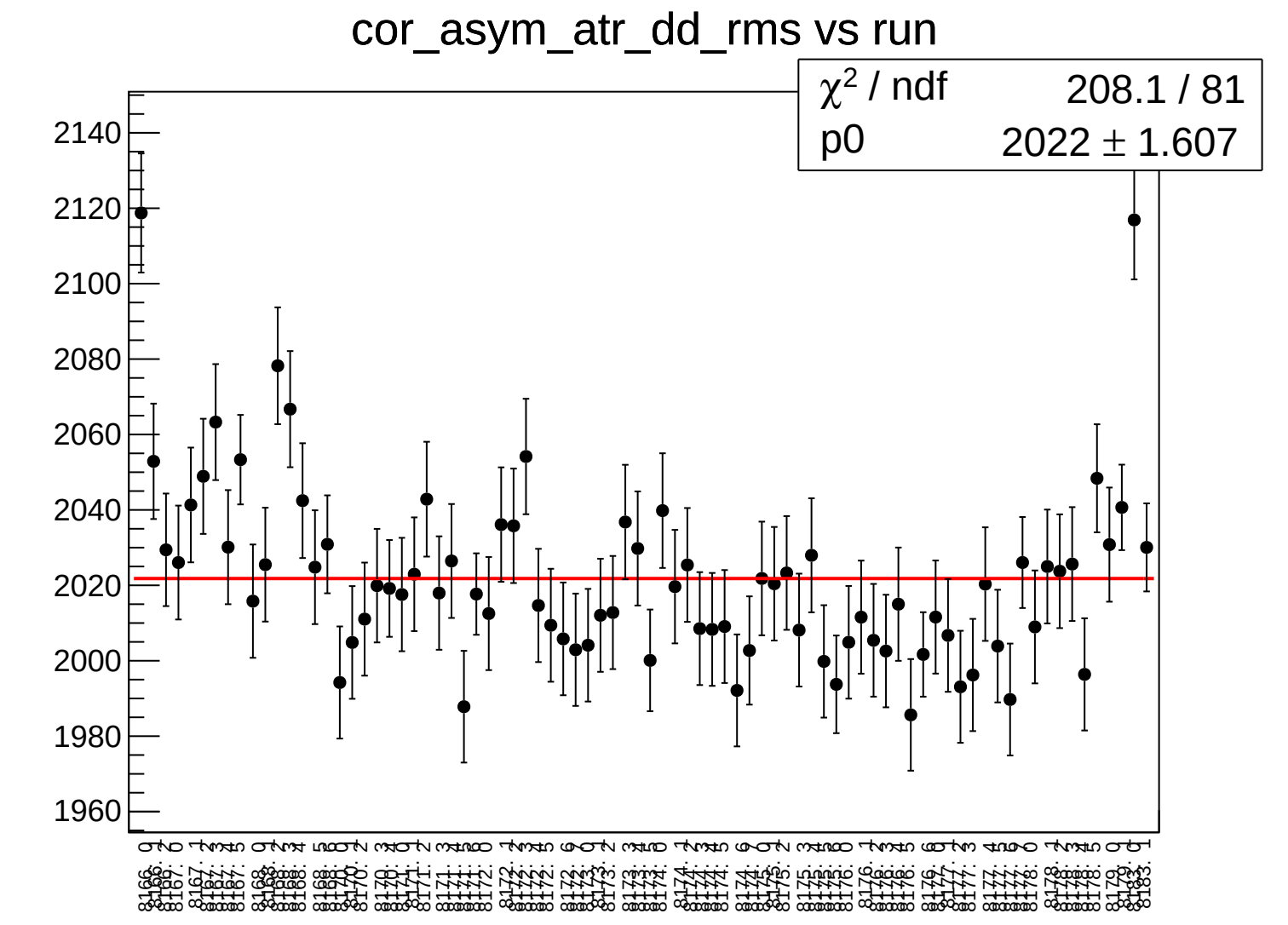

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 96.03 / 81
p0 −2422 ± 6386
300
200
100
0
−100
−200
pull
Entries 82
Mean 742
Std Dev 0
3
2
1
0
−1
−2

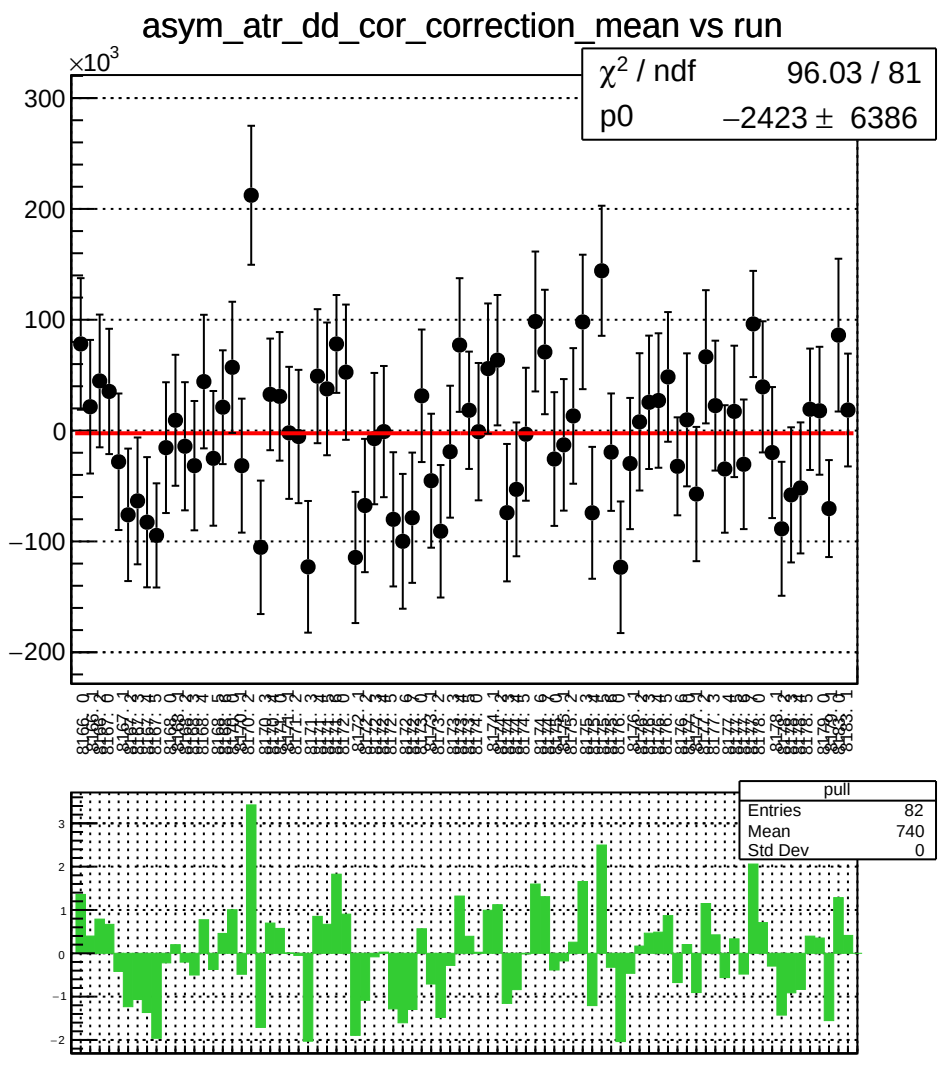

pull1D
Entries 82
Mean 0.001387
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

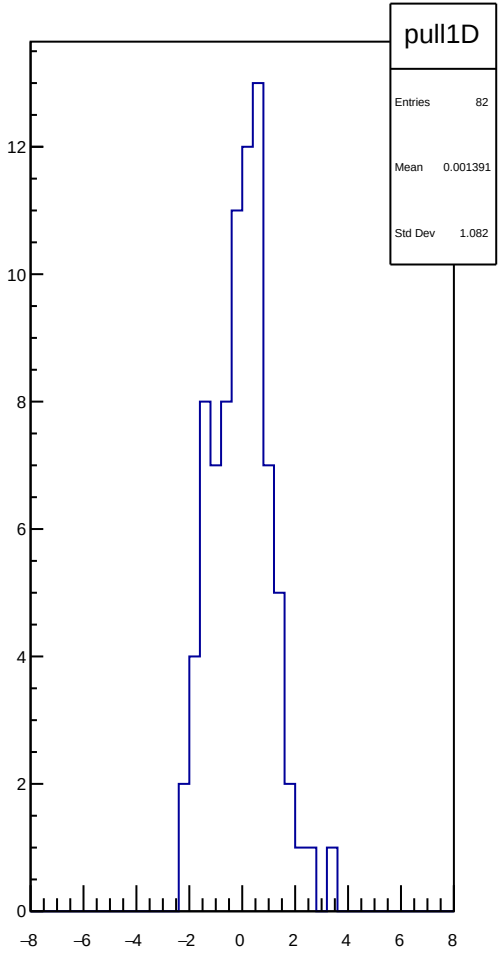

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 1189 / 81
p0 5679 ± 4.516
6600
6400
6200
6000
5800
5600
5400
5200

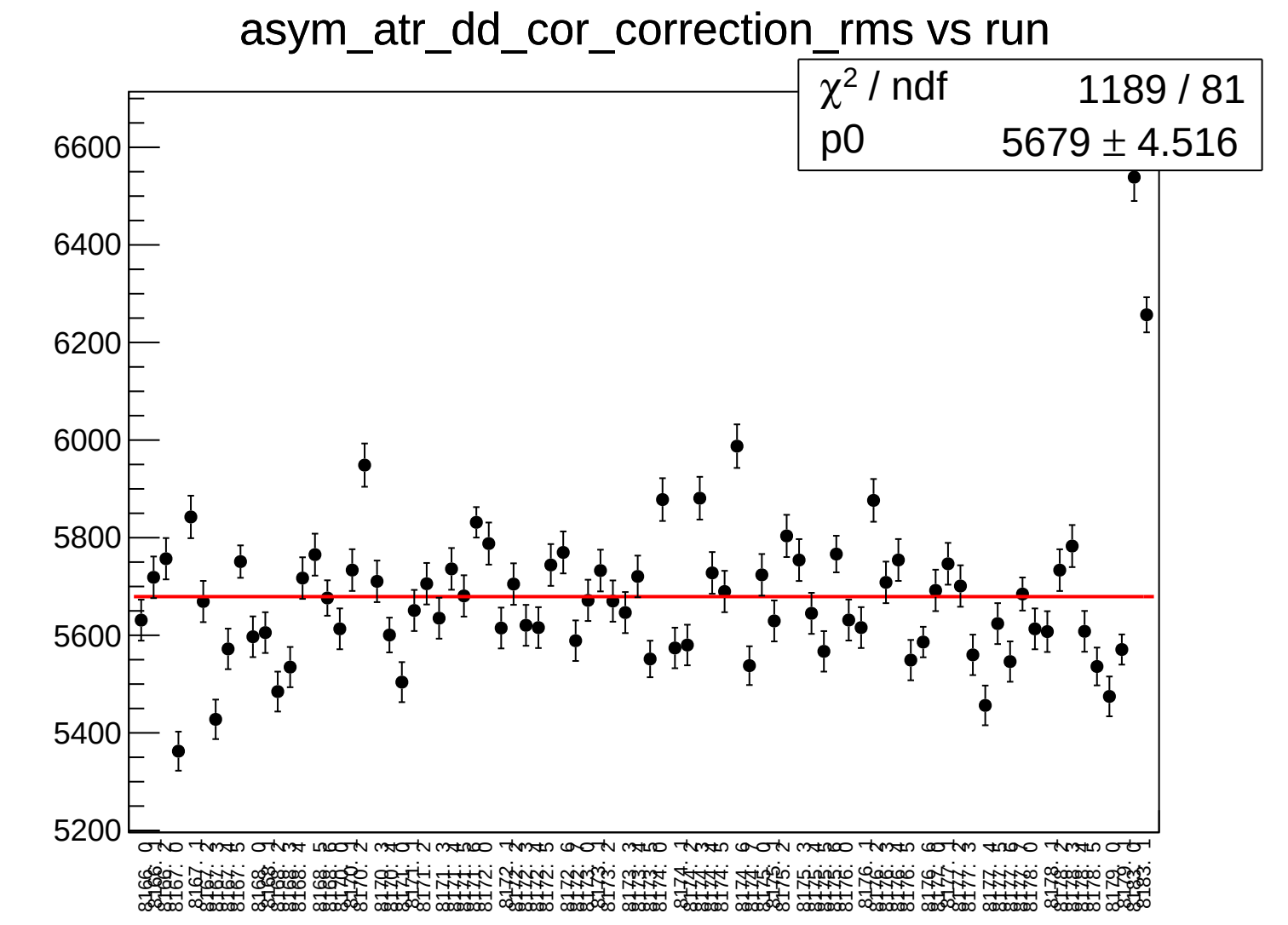

cor_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 58.63 / 81
p0 829.3 ± 2273
pull
Entries 82
Mean 298.7
Std Dev 0

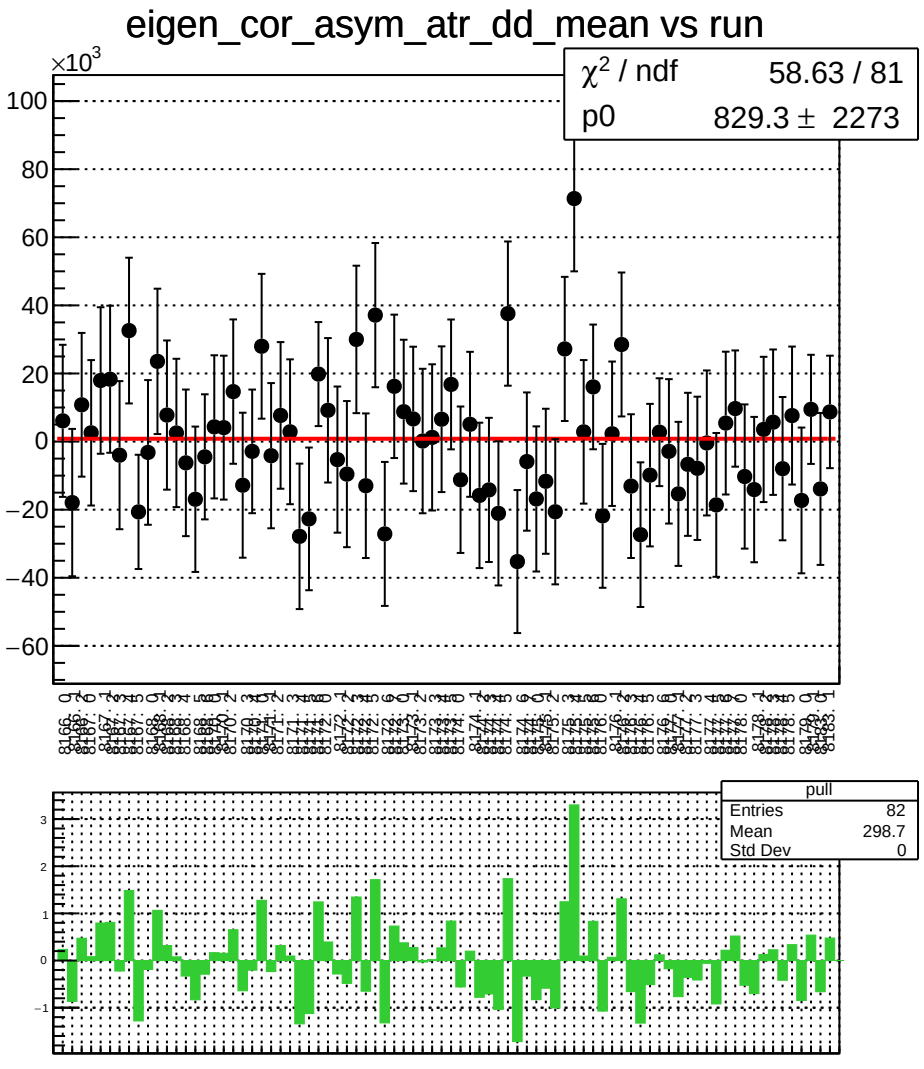

pull1D
Entries 82
Mean −0.008736
Std Dev 0.8455

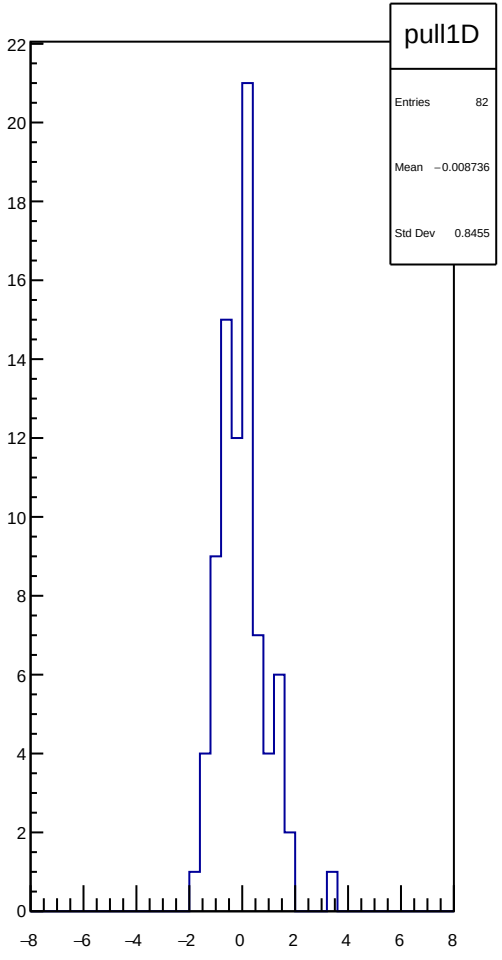

cor_asym_atr_dd_rms vs run
χ² / ndf 208.1 / 81
p0 2022 ± 1.607
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

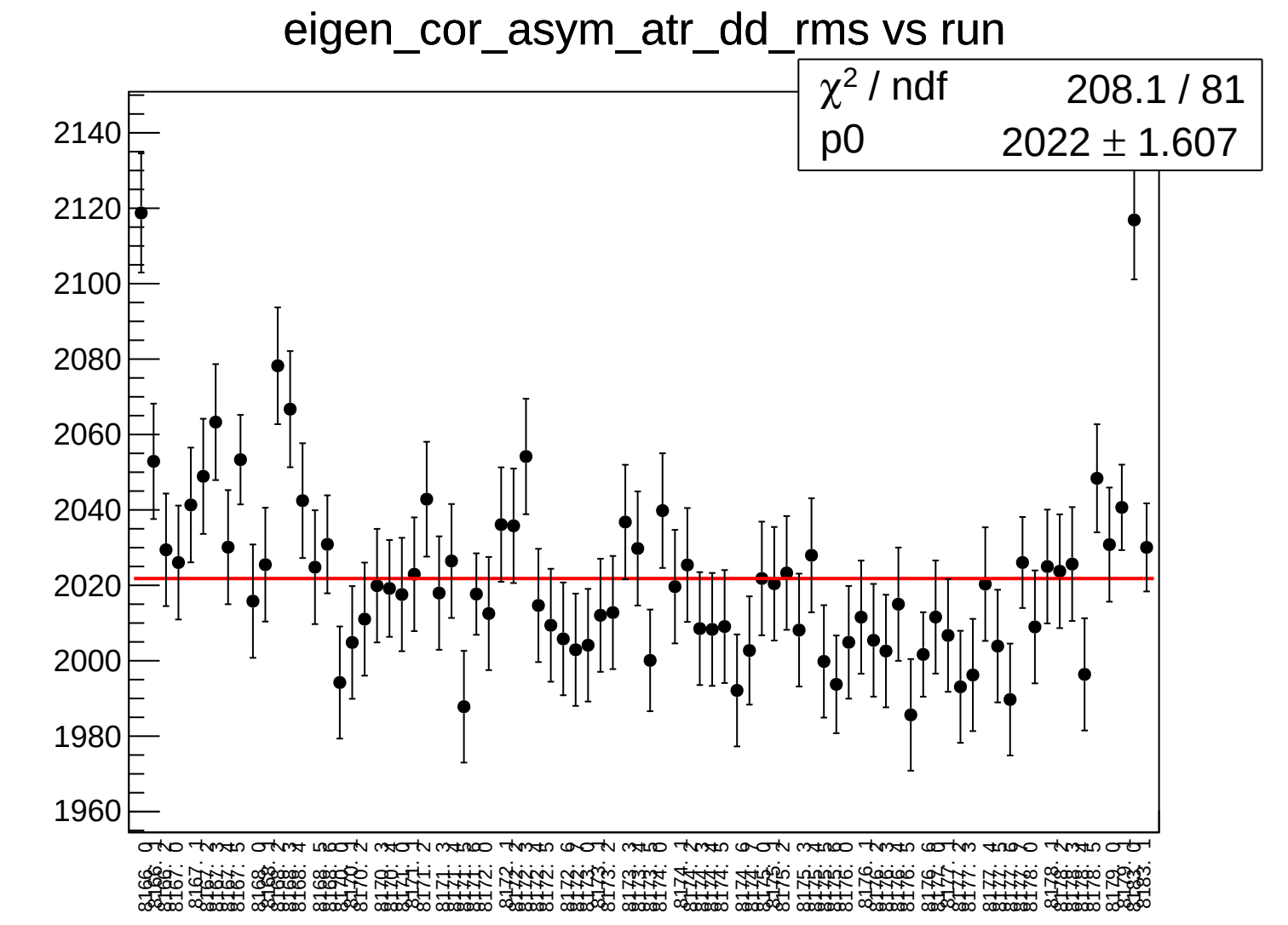

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 96.03 / 81
p0 −2423 ± 6386
300
200
100
0
−100
−200
pull
Entries 82
Mean 740
Std Dev 0
3
2
1
0
−1
−2

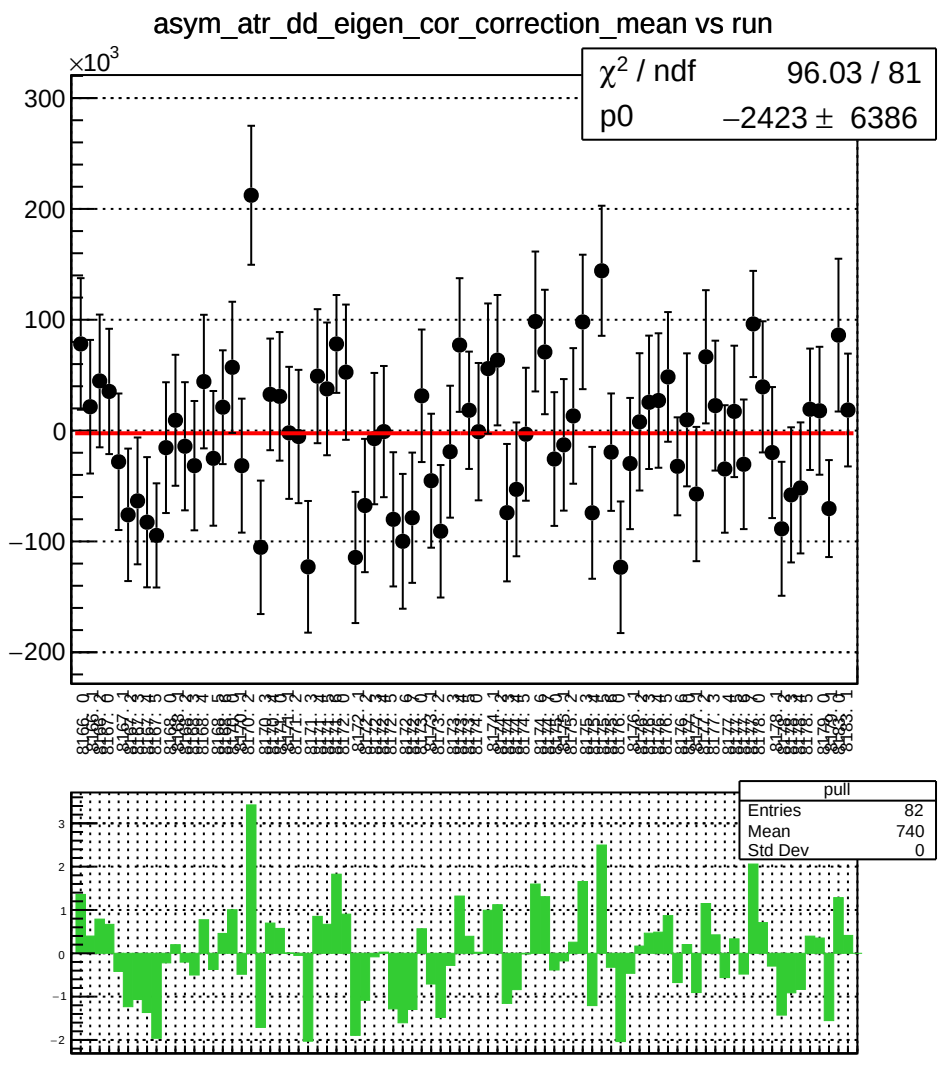

pull1D
Entries 82
Mean 0.001391
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

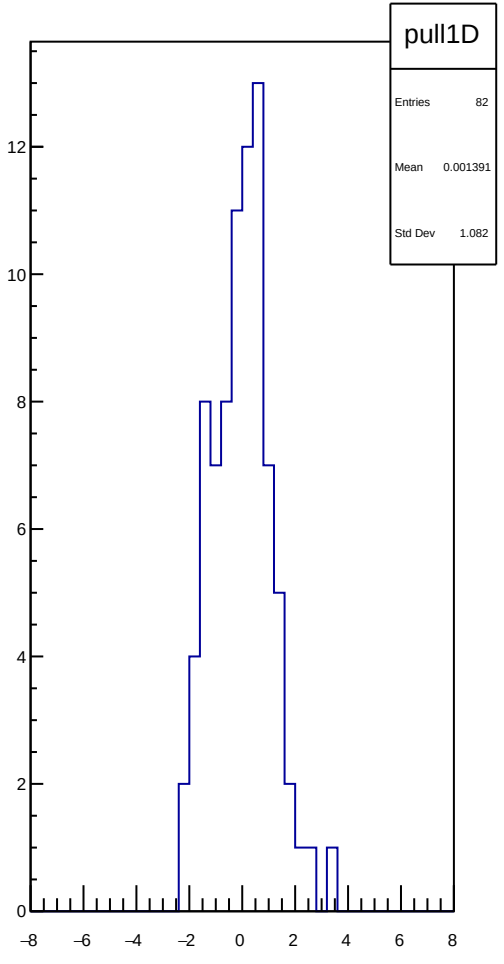

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 1189 / 81
p0 5679 ± 4.516
6600
6400
6200
6000
5800
5600
5400
5200

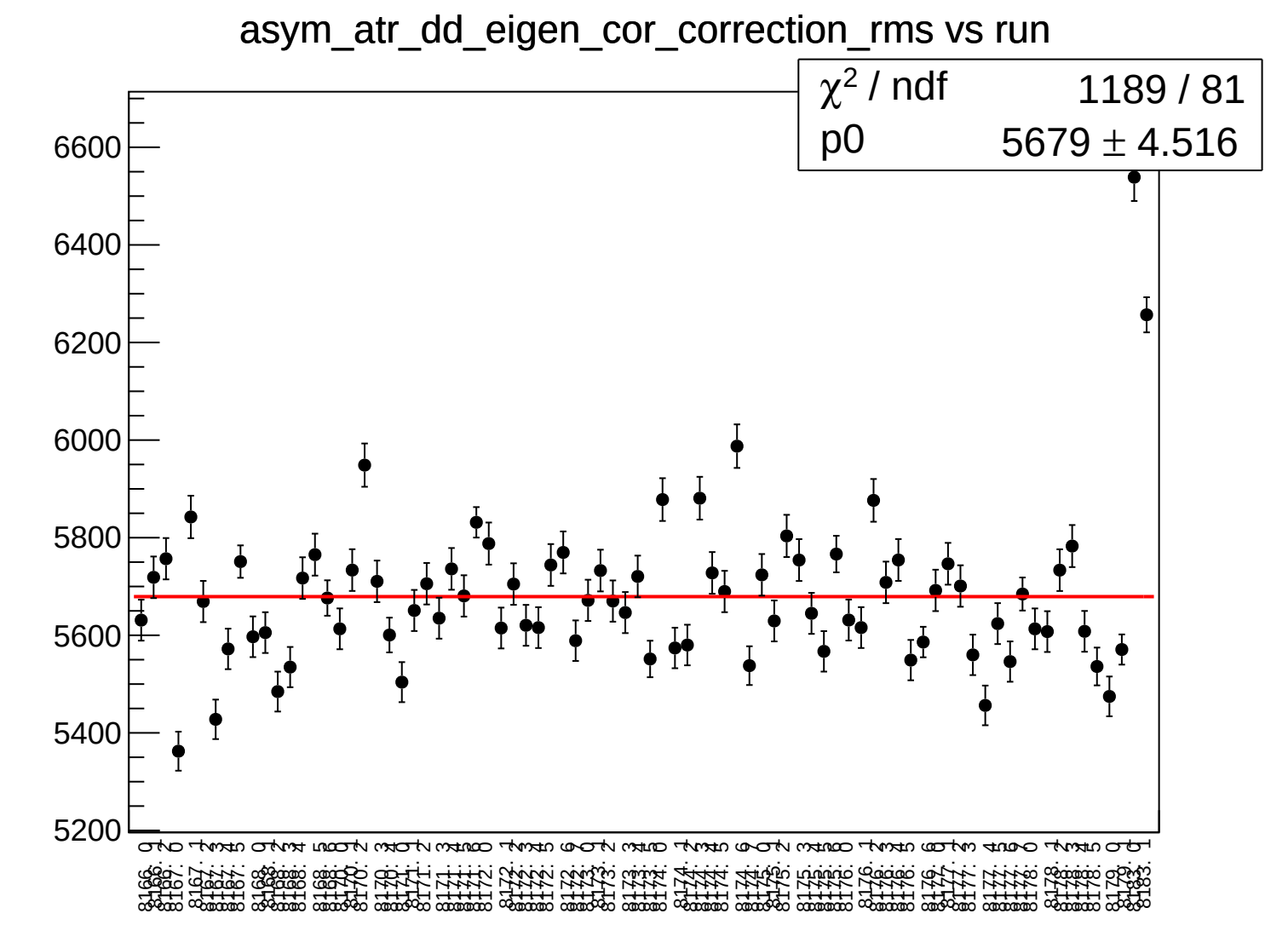

eigen_cor_asym_atr_dd_mean vs run
×10^3
χ² / ndf 58.63 / 81
p0 829.3 ± 2273
pull
Entries 82
Mean 298.7
Std Dev 0

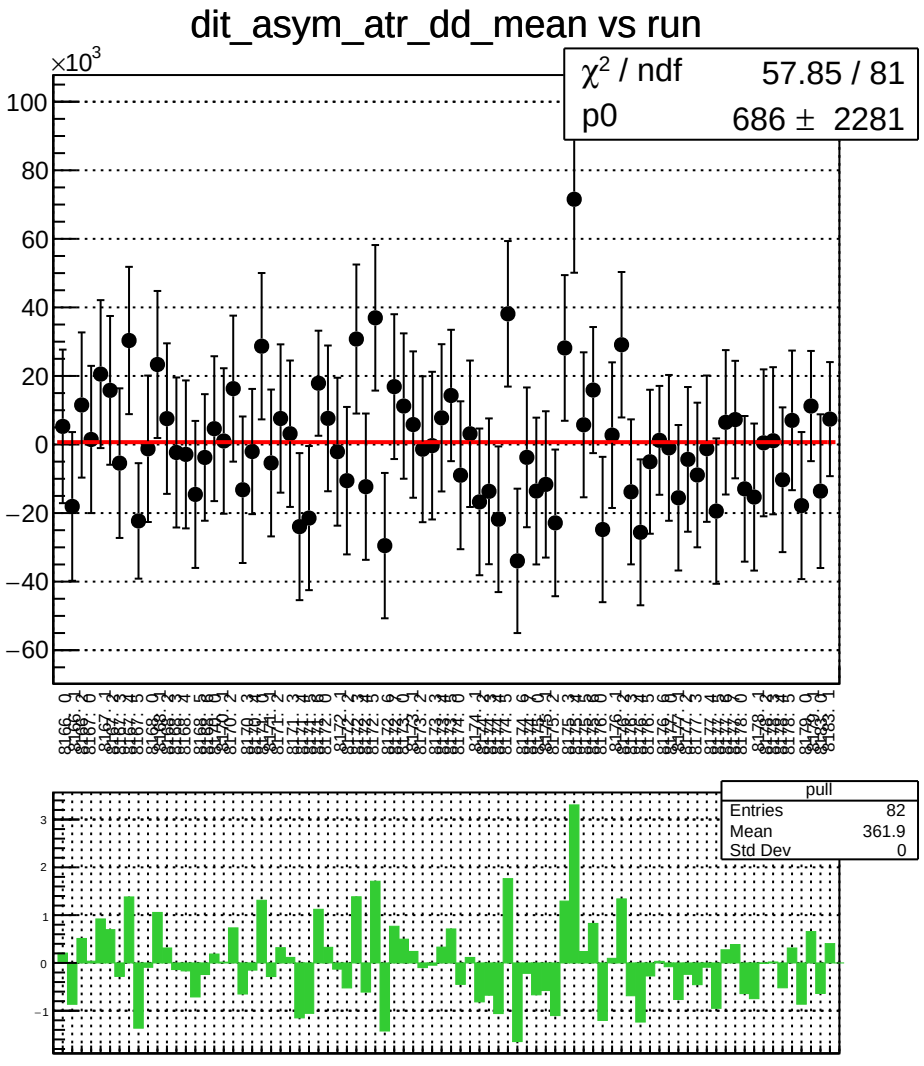

pull1D
Entries 82
Mean −0.008736
Std Dev 0.8455

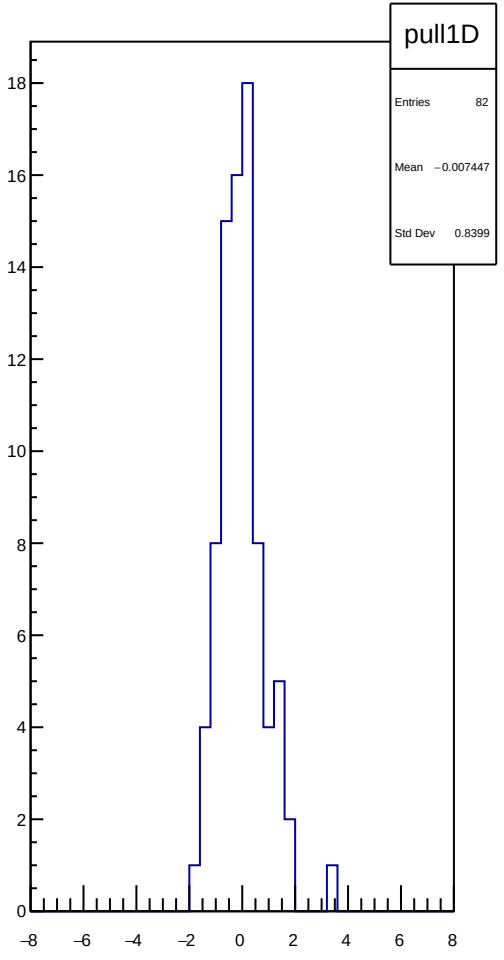

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 208.1 / 81
p0 2022 ± 1.607
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

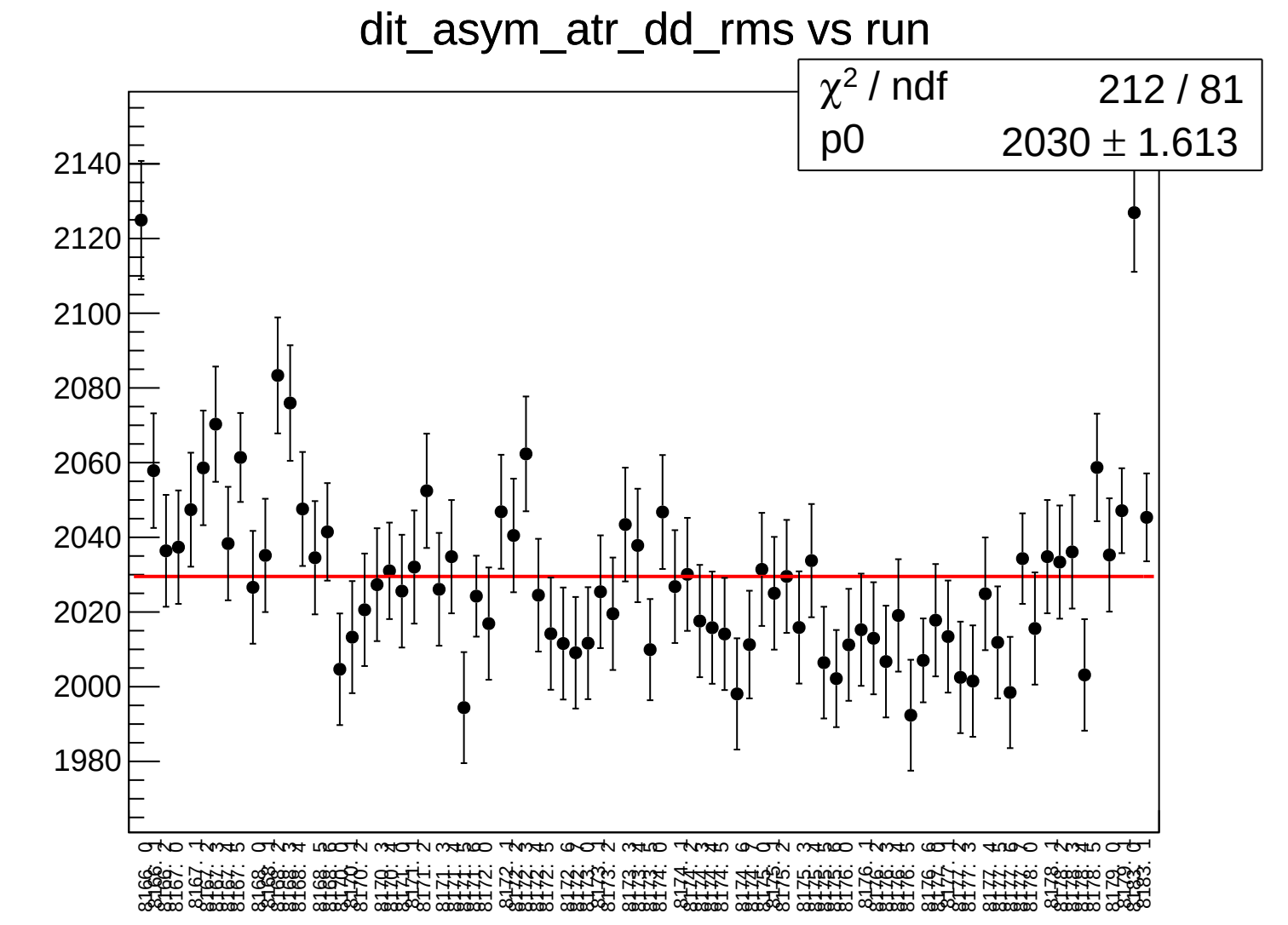

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 96.03 / 81
p0 −2423 ± 6386
300
200
100
0
−100
−200
pull
Entries 82
Mean 740
Std Dev 0
3
2
1
0
−1
−2

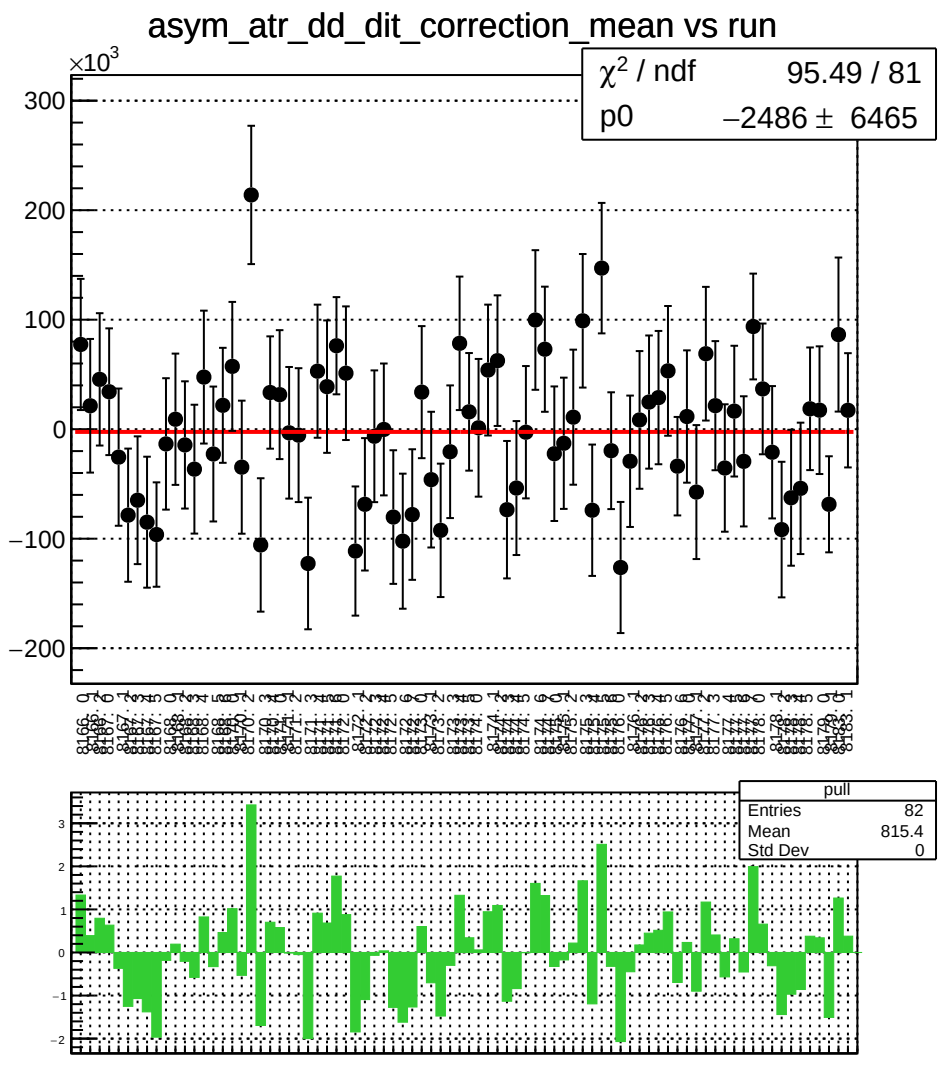

pull1D
Entries 82
Mean 0.001391
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

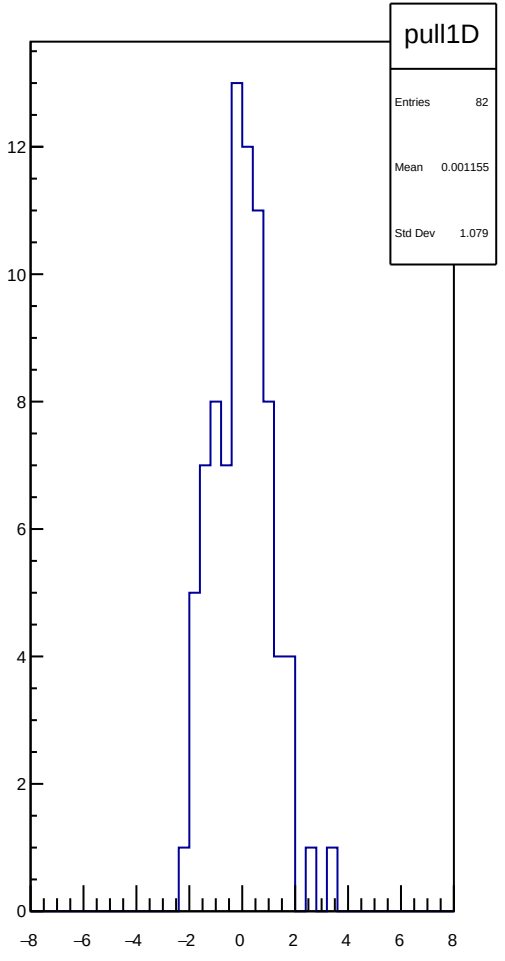

asym_atr_dd_eigen_cor_correction_rms vs run
χ^2 / ndf 1189 / 81
p0 5679 ± 4.516
6600
6400
6200
6000
5800
5600
5400
5200

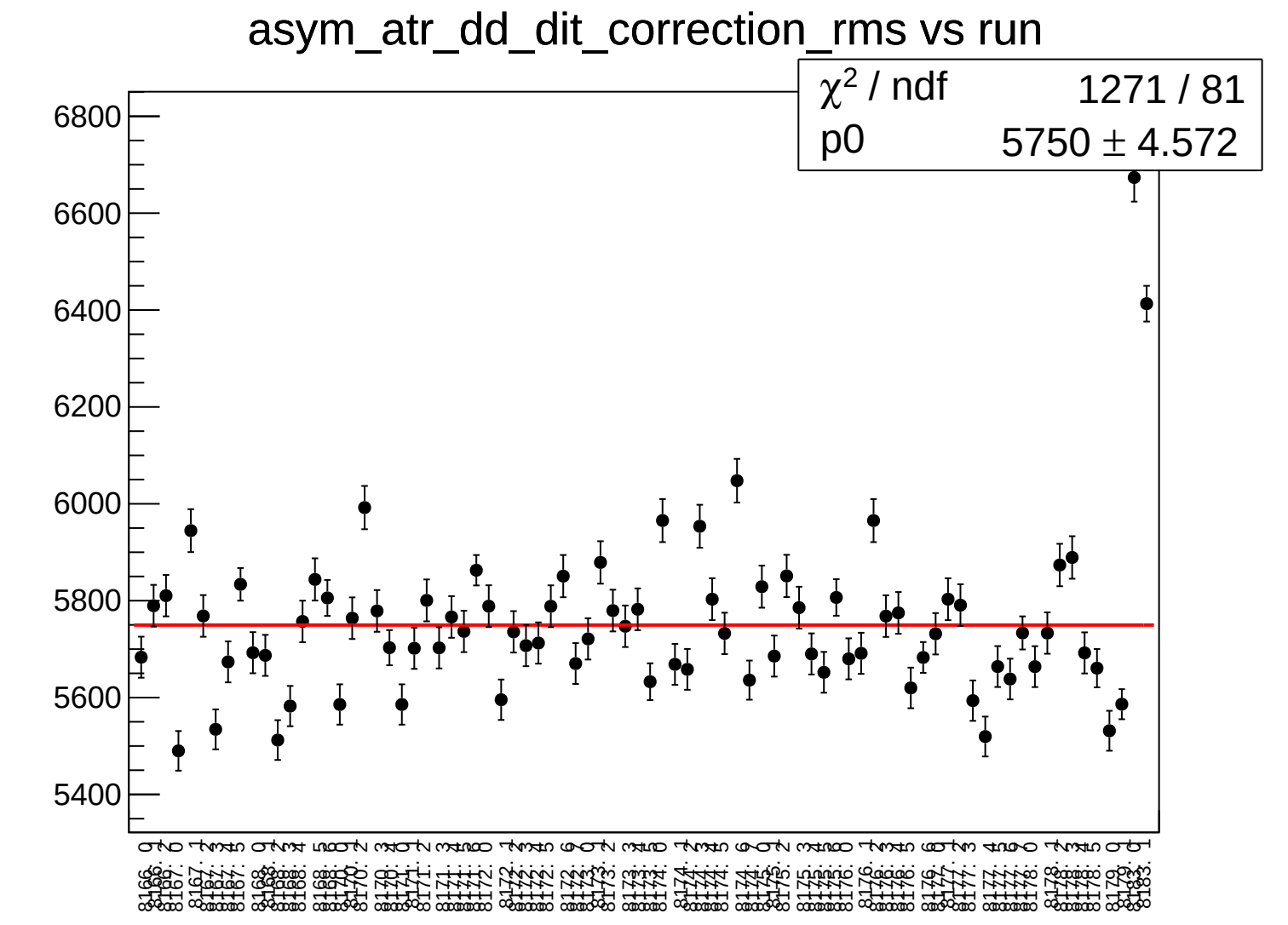

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 57.85 / 81
p0 686 ± 2281
pull
Entries 82
Mean 361.9
Std Dev 0

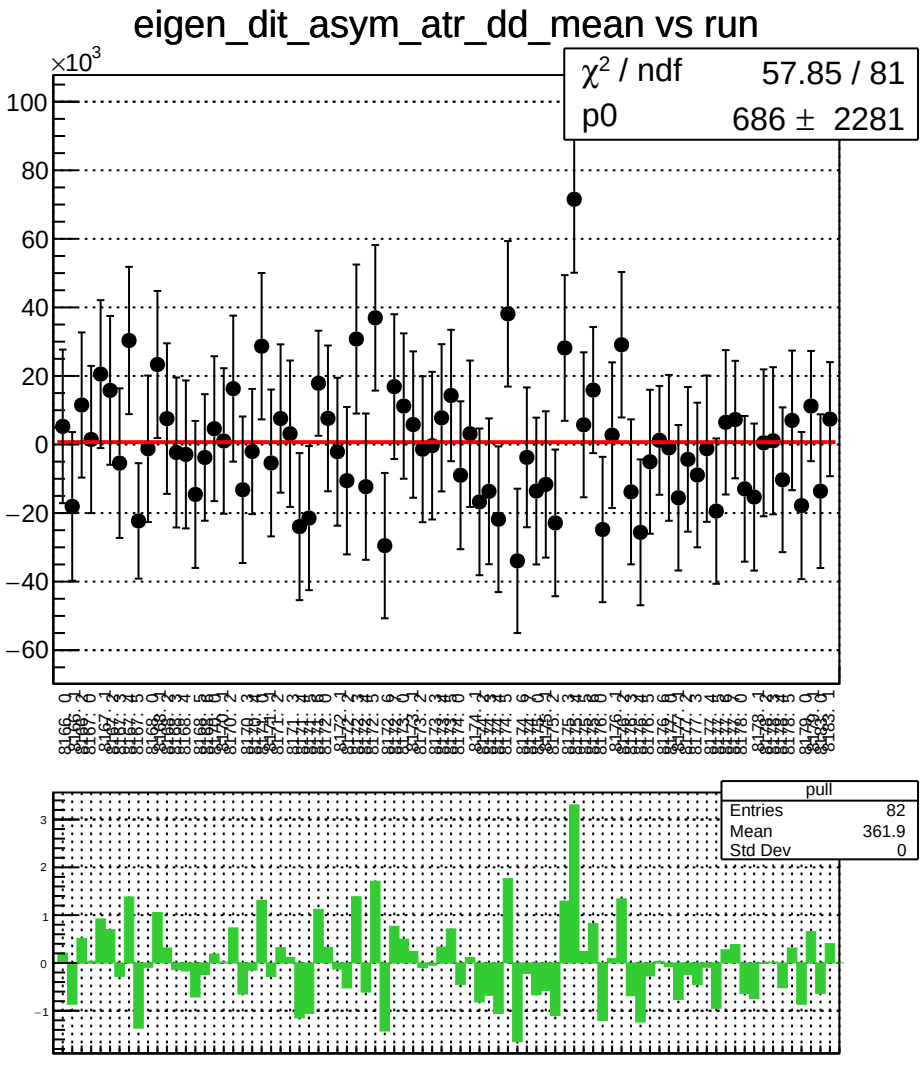

pull1D
Entries 82
Mean −0.007447
Std Dev 0.8399

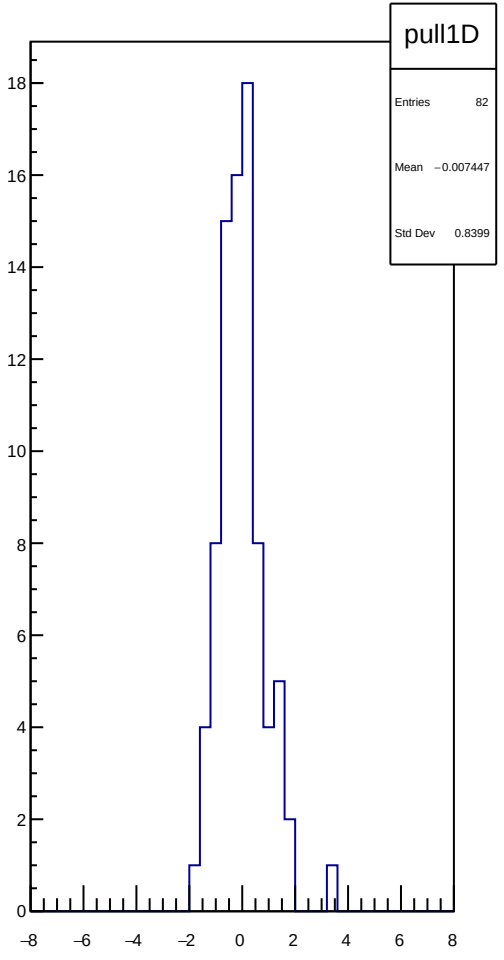

dit_asym_atr_dd_rms vs run
χ^2 / ndf 212 / 81
p0 2030 ± 1.613
2140
2120
2100
2080
2060
2040
2020
2000
1980

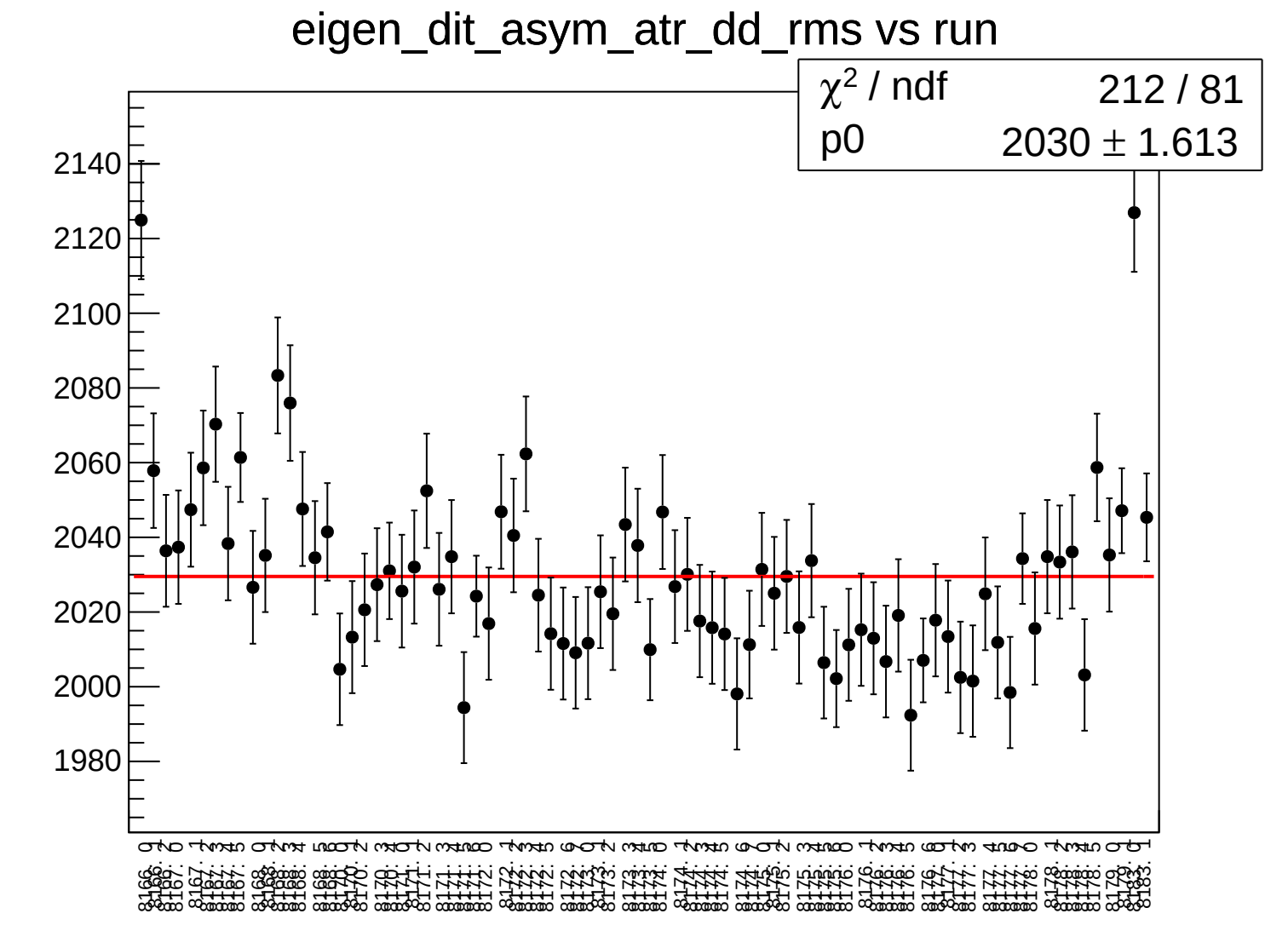

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 95.49 / 81
p0 −2486 ± 6465
300
200
100
0
−100
−200
pull
Entries 82
Mean 815.4
Std Dev 0
3
2
1
0
−1
−2

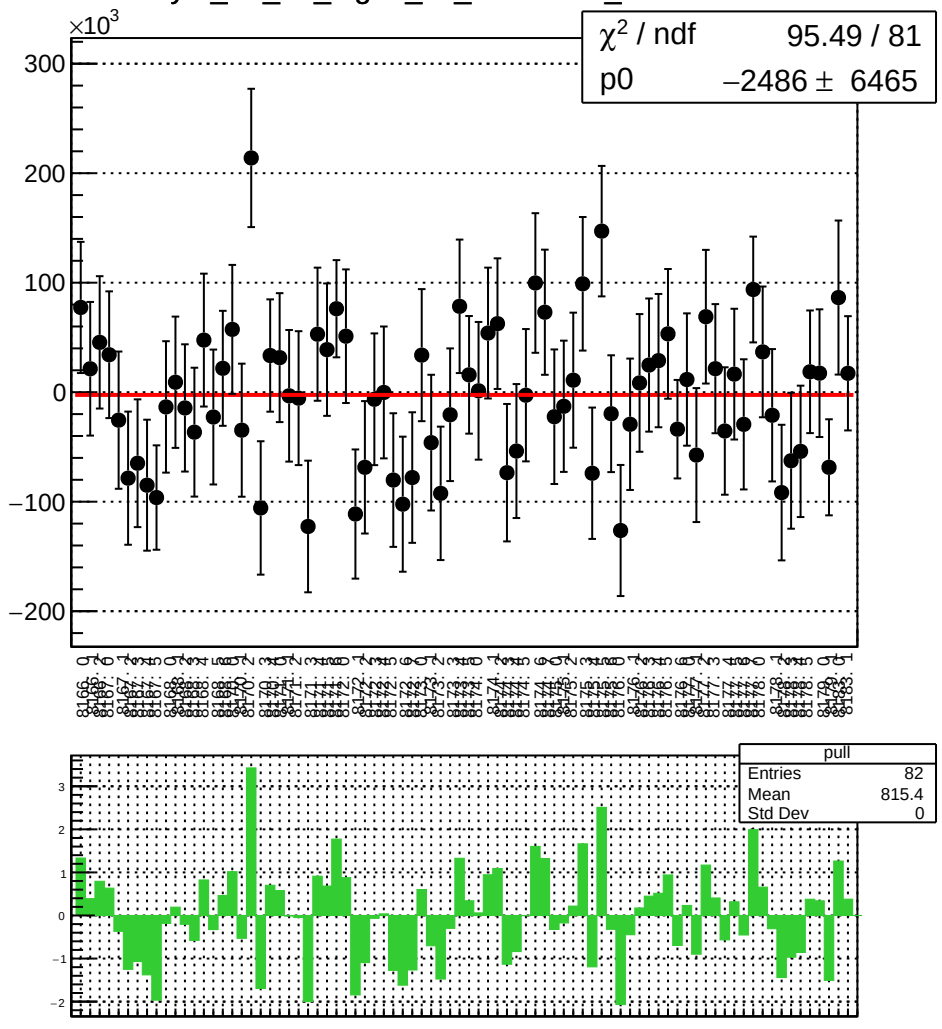

pull1D
Entries 82
Mean 0.001155
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

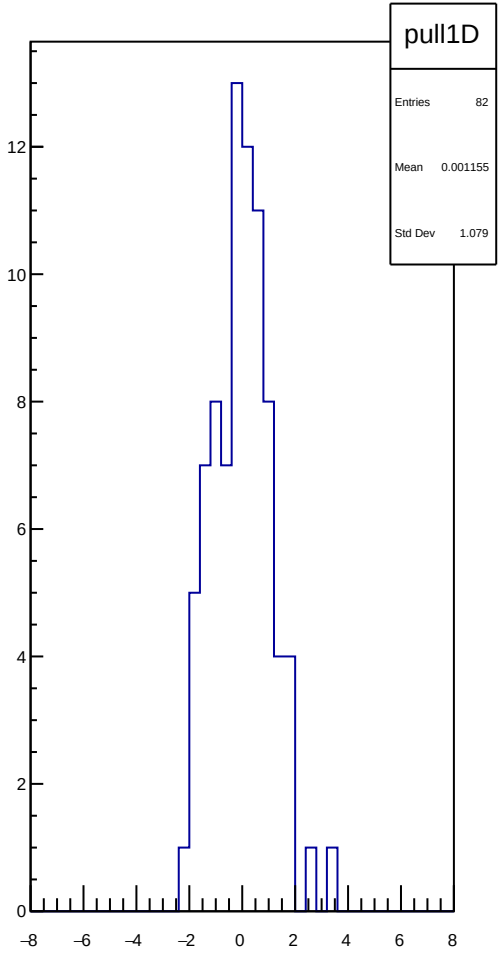

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 1271 / 81
p0 5750 ± 4.572
6800
6600
6400
6200
6000
5800
5600
5400

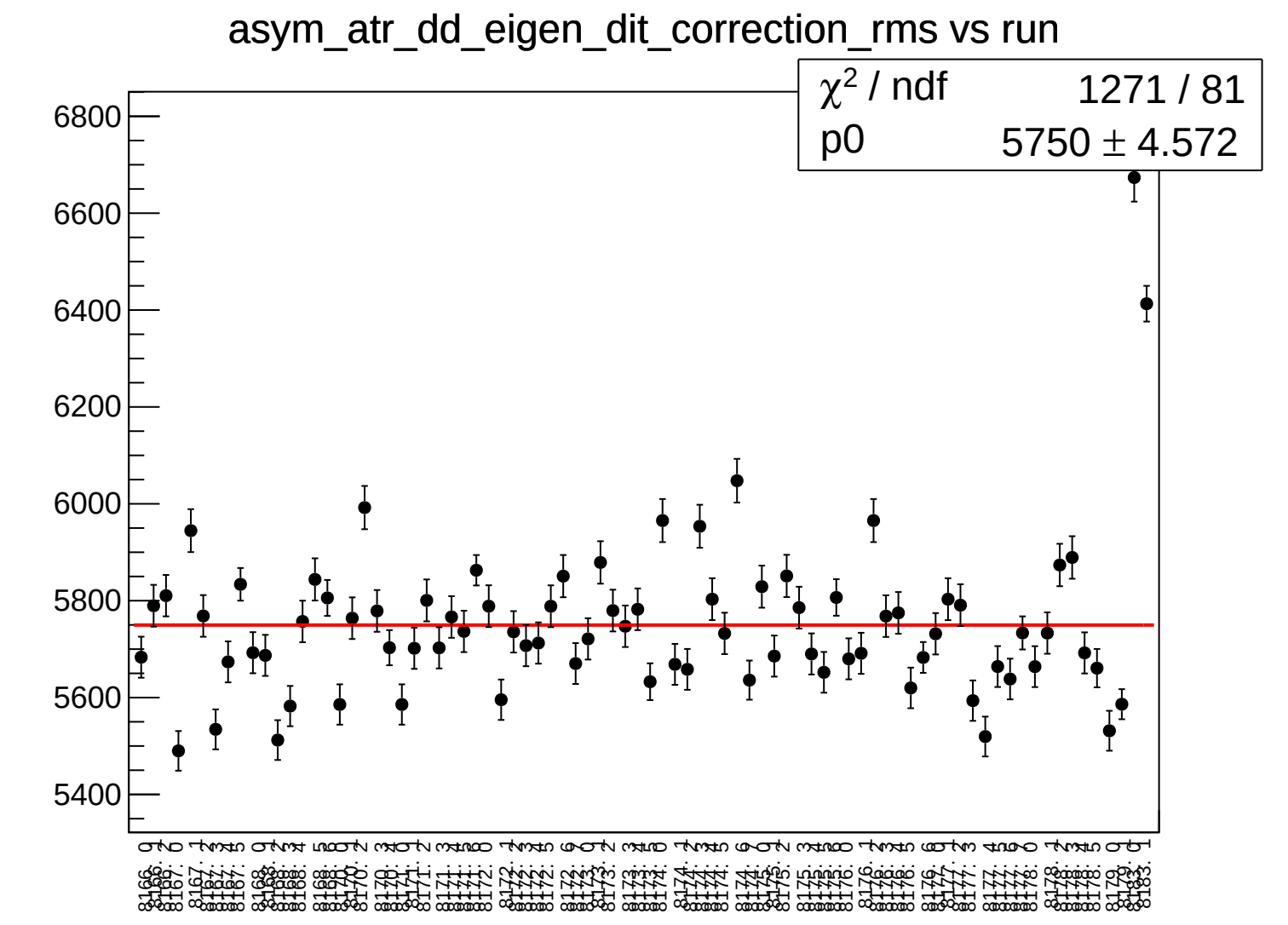

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 57.85 / 81
p0 686 ± 2281
×10³
pull
Entries 82
Mean 361.9
Std Dev 0

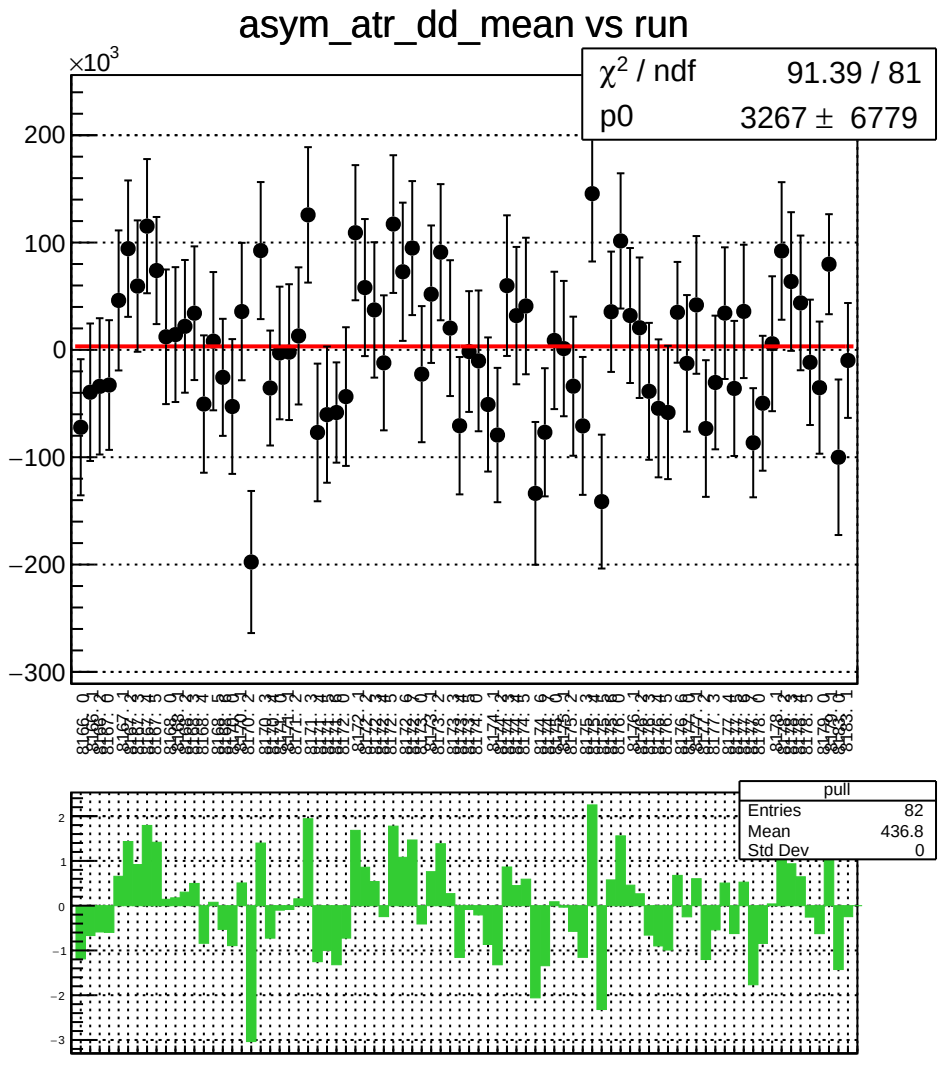

pull1D
Entries 82
Mean −0.007447
Std Dev 0.8399

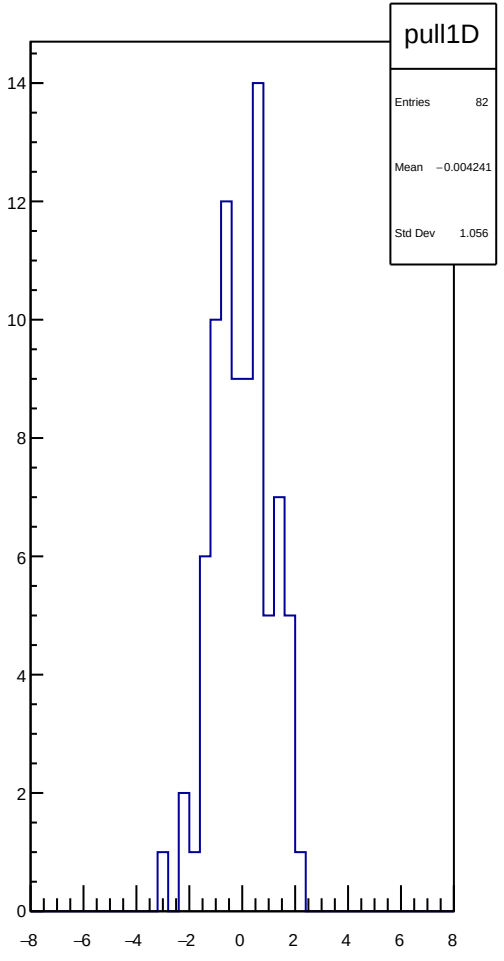

eigen_dit_asym_atr_dd_rms vs run
χ^2 / ndf 212 / 81
p0 2030 ± 1.613
2140
2120
2100
2080
2060
2040
2020
2000
1980

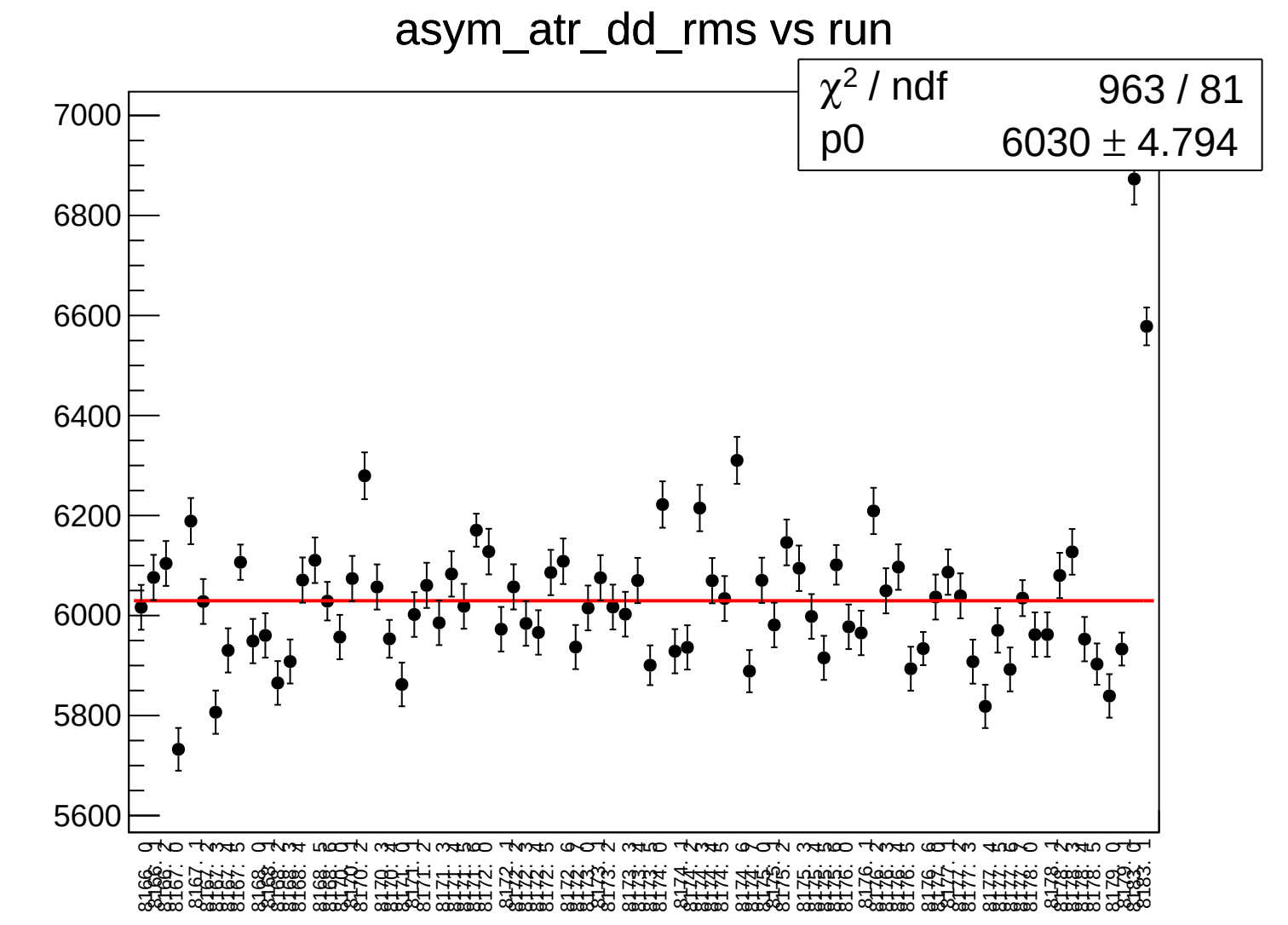

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 95.49 / 81
p0 −2486 ± 6465
300
200
100
0
−100
−200
pull
Entries 82
Mean 815.4
Std Dev 0
3
2
1
0
−1
−2

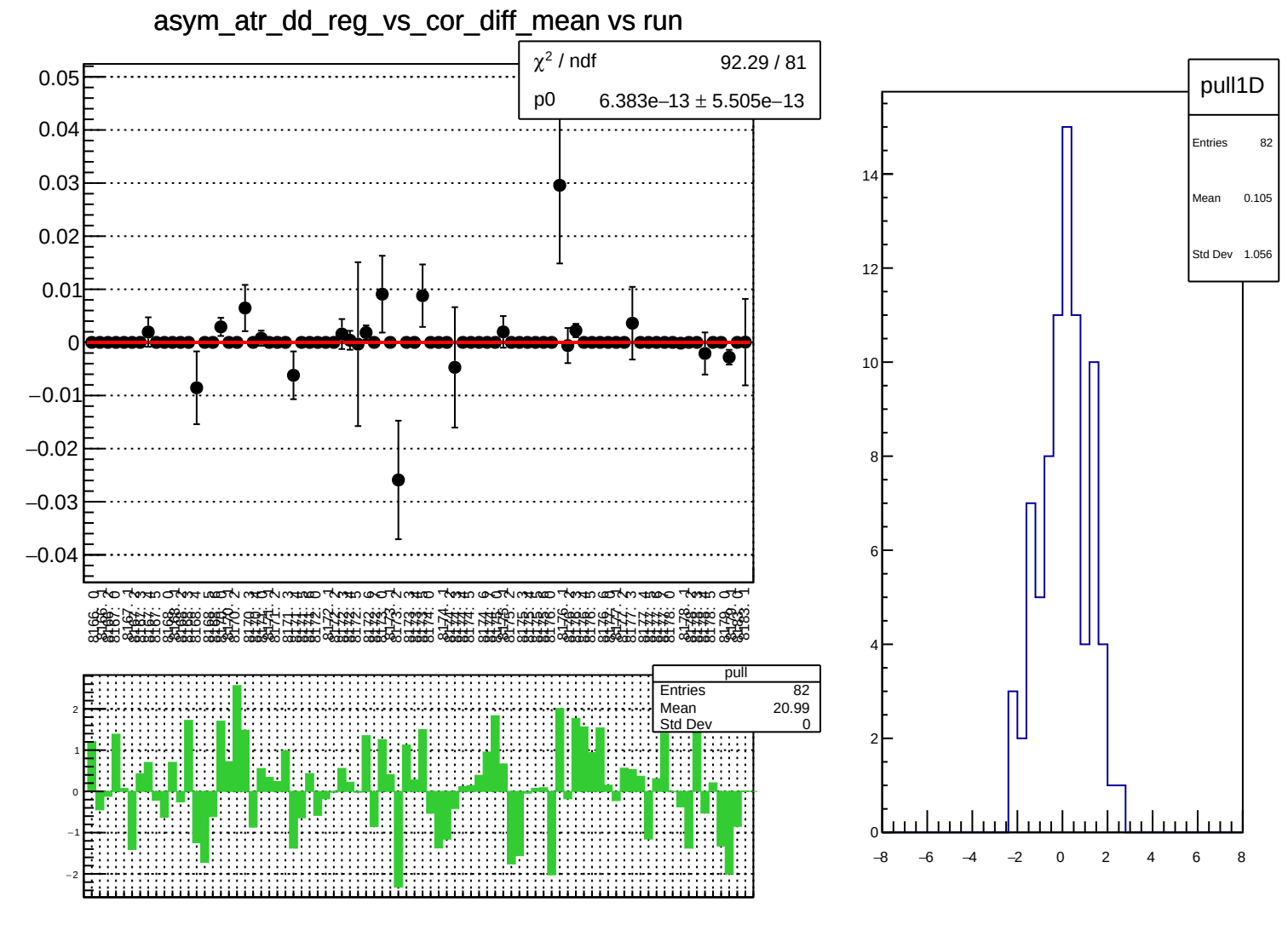

pull1D
Entries 82
Mean 0.001155
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

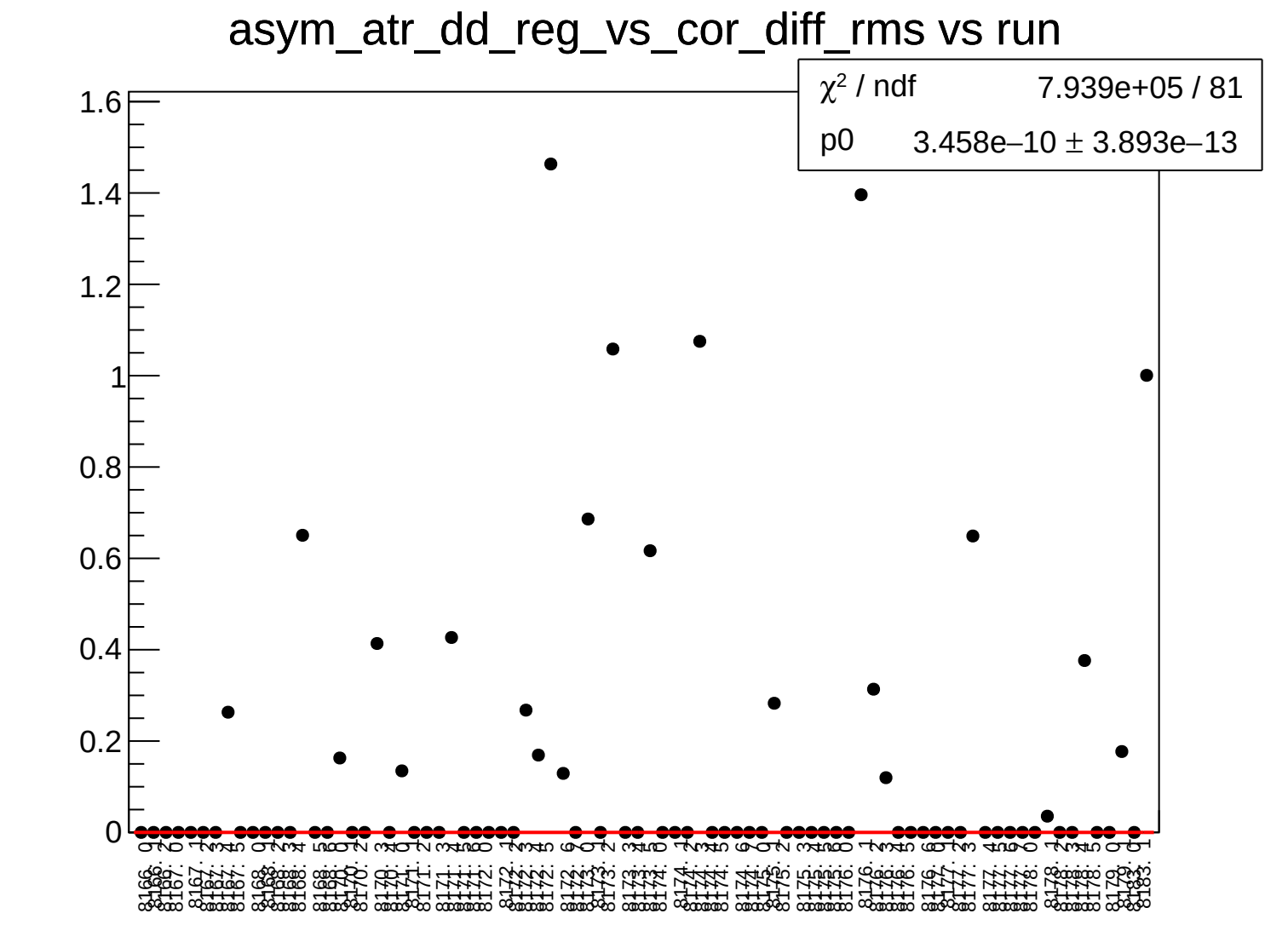

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 1271 / 81
p0 5750 ± 4.572
6800
6600
6400
6200
6000
5800
5600
5400

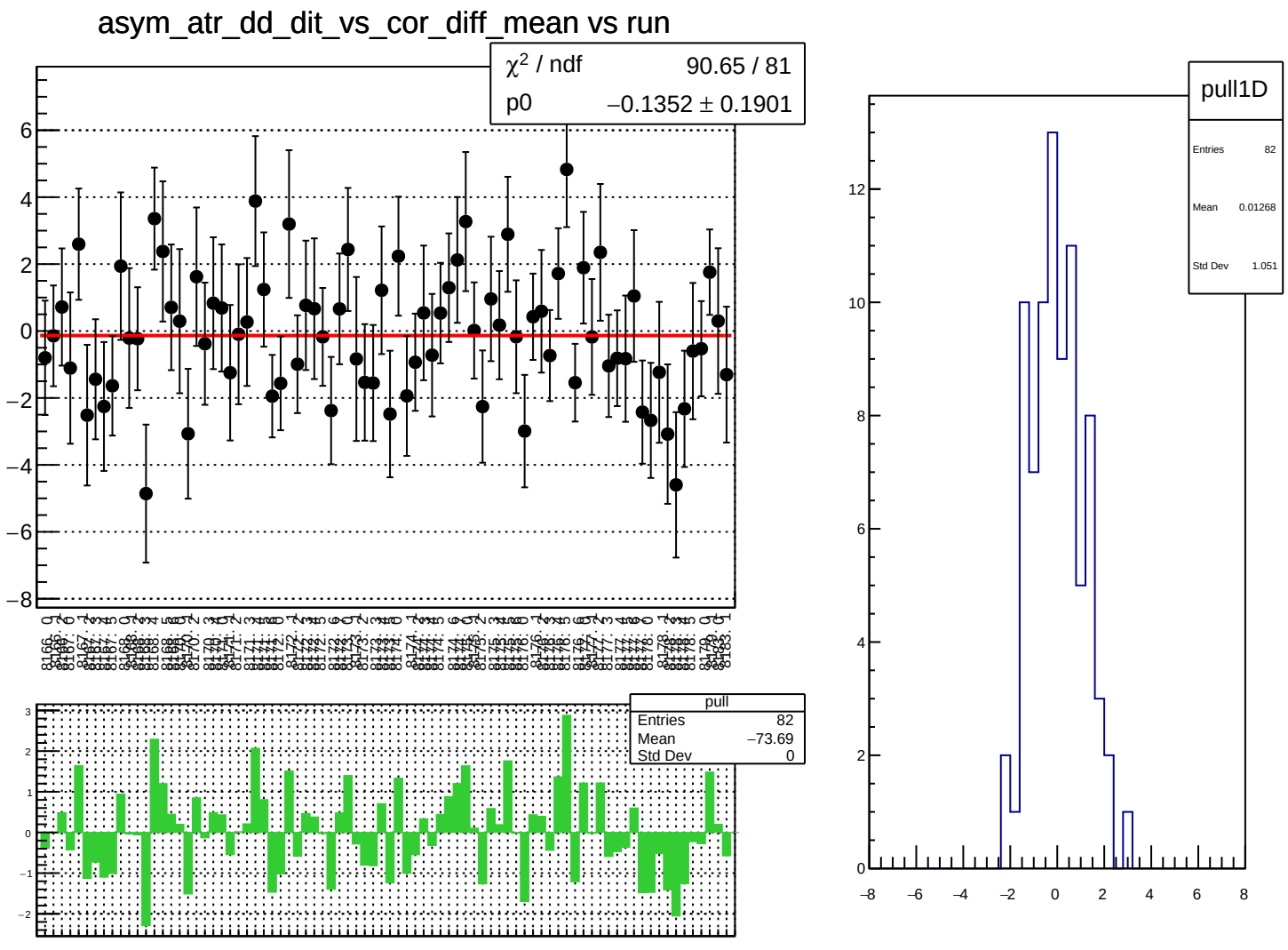

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 91.39 / 81
p0 3267 ± 6779
200
100
0
−100
−200
−300
pull
Entries 82
Mean 436.8
Std Dev 0
2
1
0
−1
−2
−3

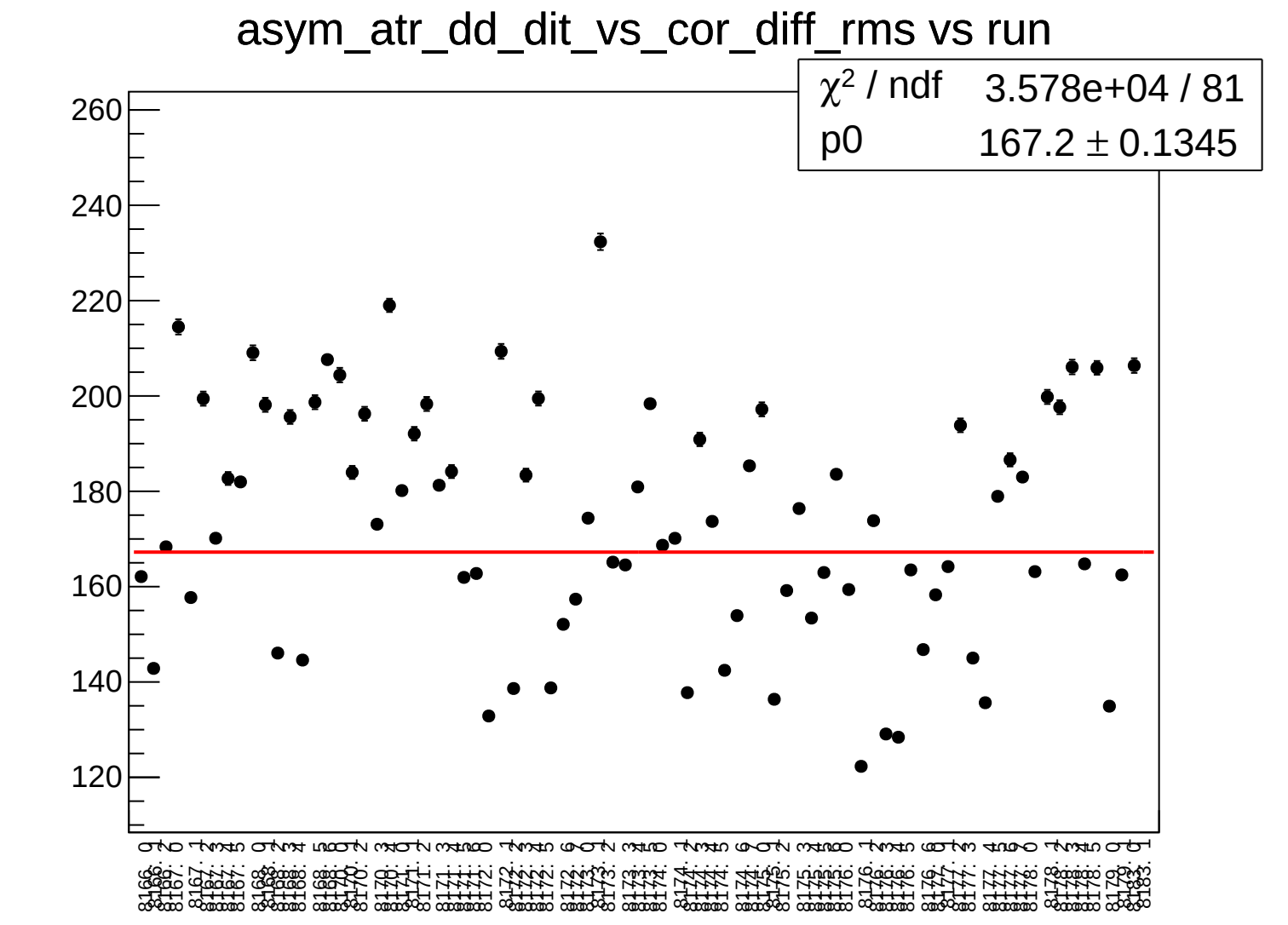

pull1D
Entries 82
Mean −0.004241
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

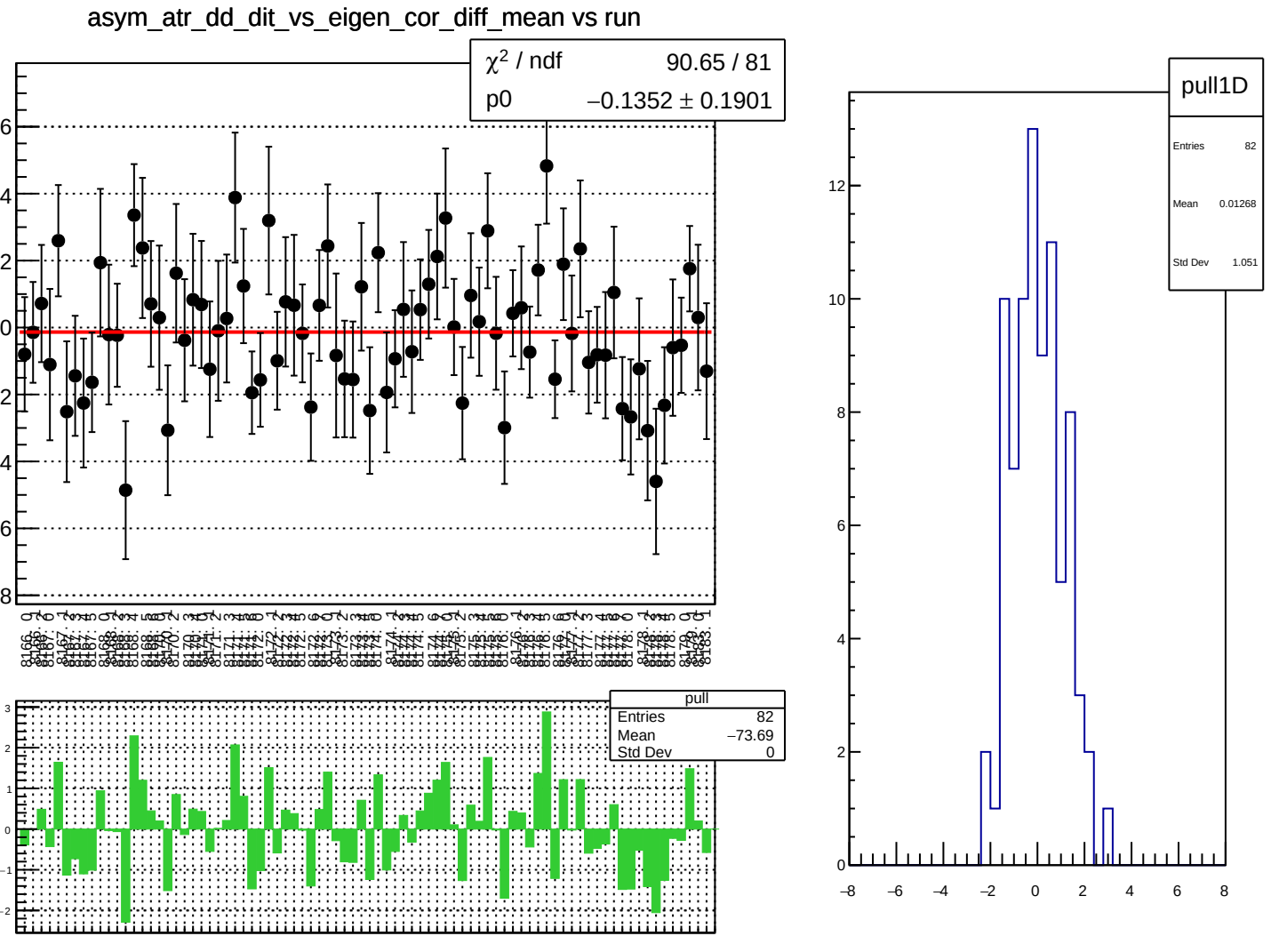

asym_atr_dd_rms vs run
χ² / ndf 963 / 81
p0 6030 ± 4.794
7000
6800
6600
6400
6200
6000
5800
5600

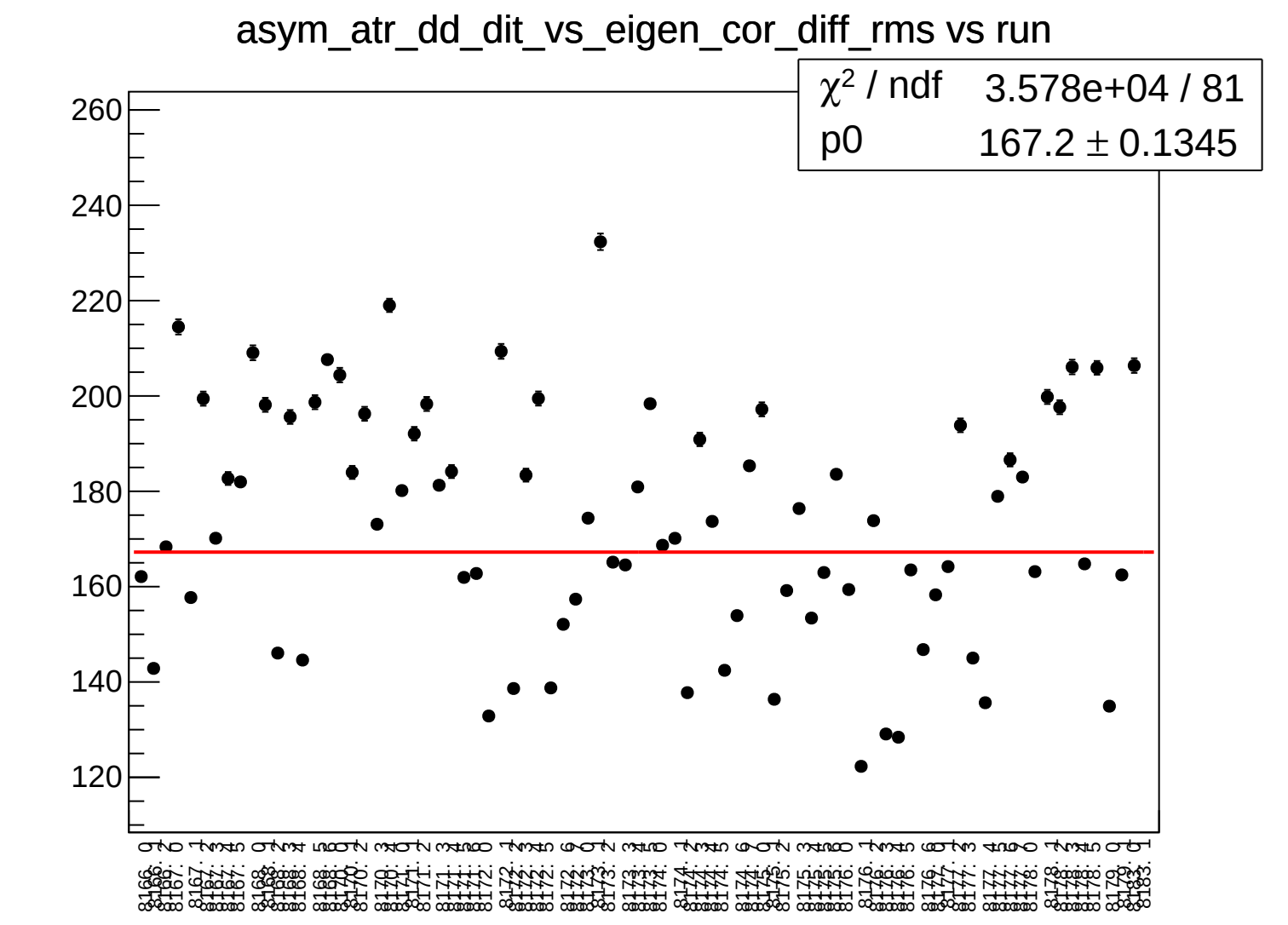

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.29 / 81
p0 6.383e−13 ± 5.505e−13
pull
Entries 82
Mean 20.99
Std Dev 0
pull1D
Entries 82
Mean 0.105
Std Dev 1.056

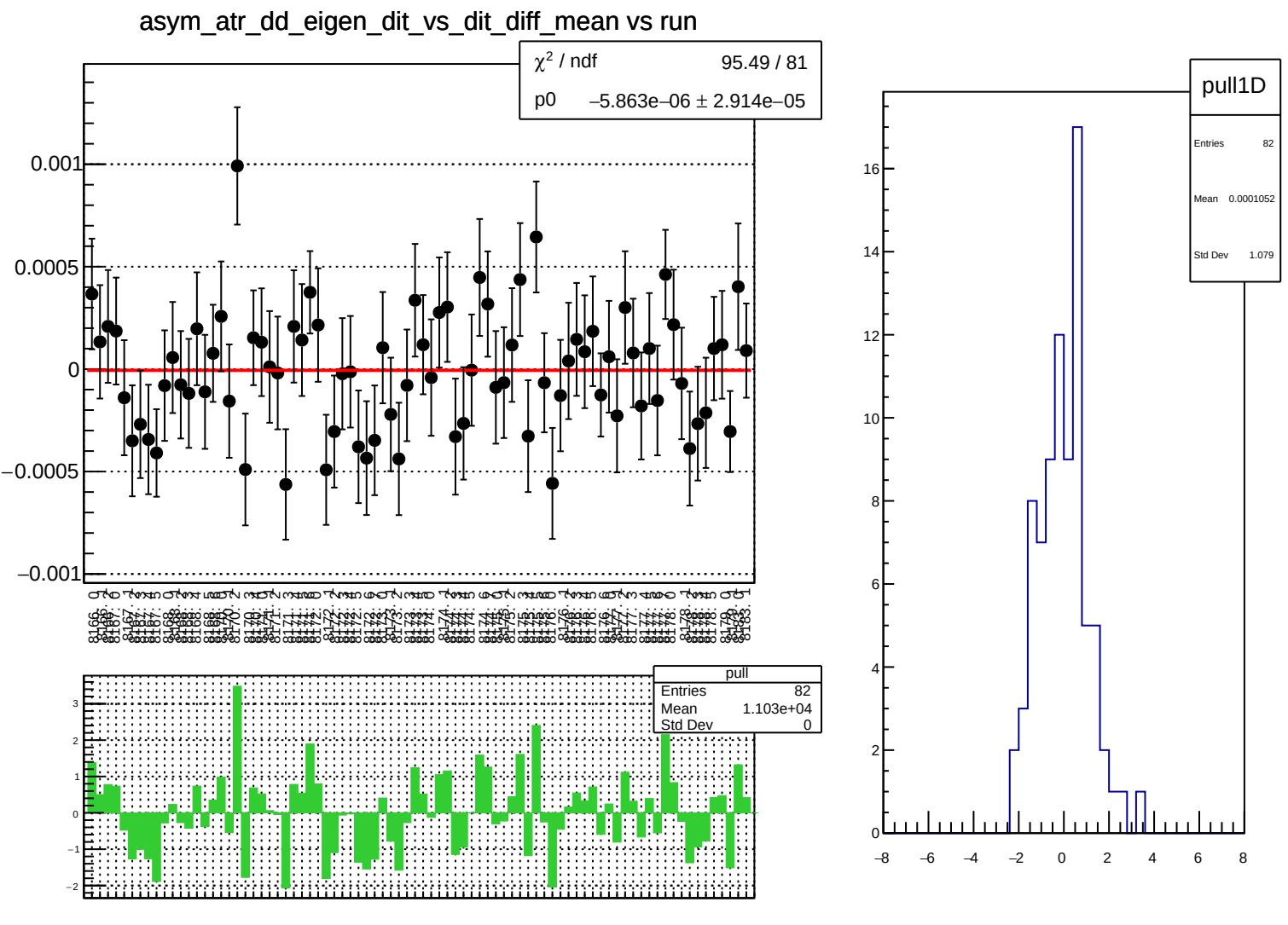

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.939e+05 / 81
p0 3.458e−10 ± 3.893e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

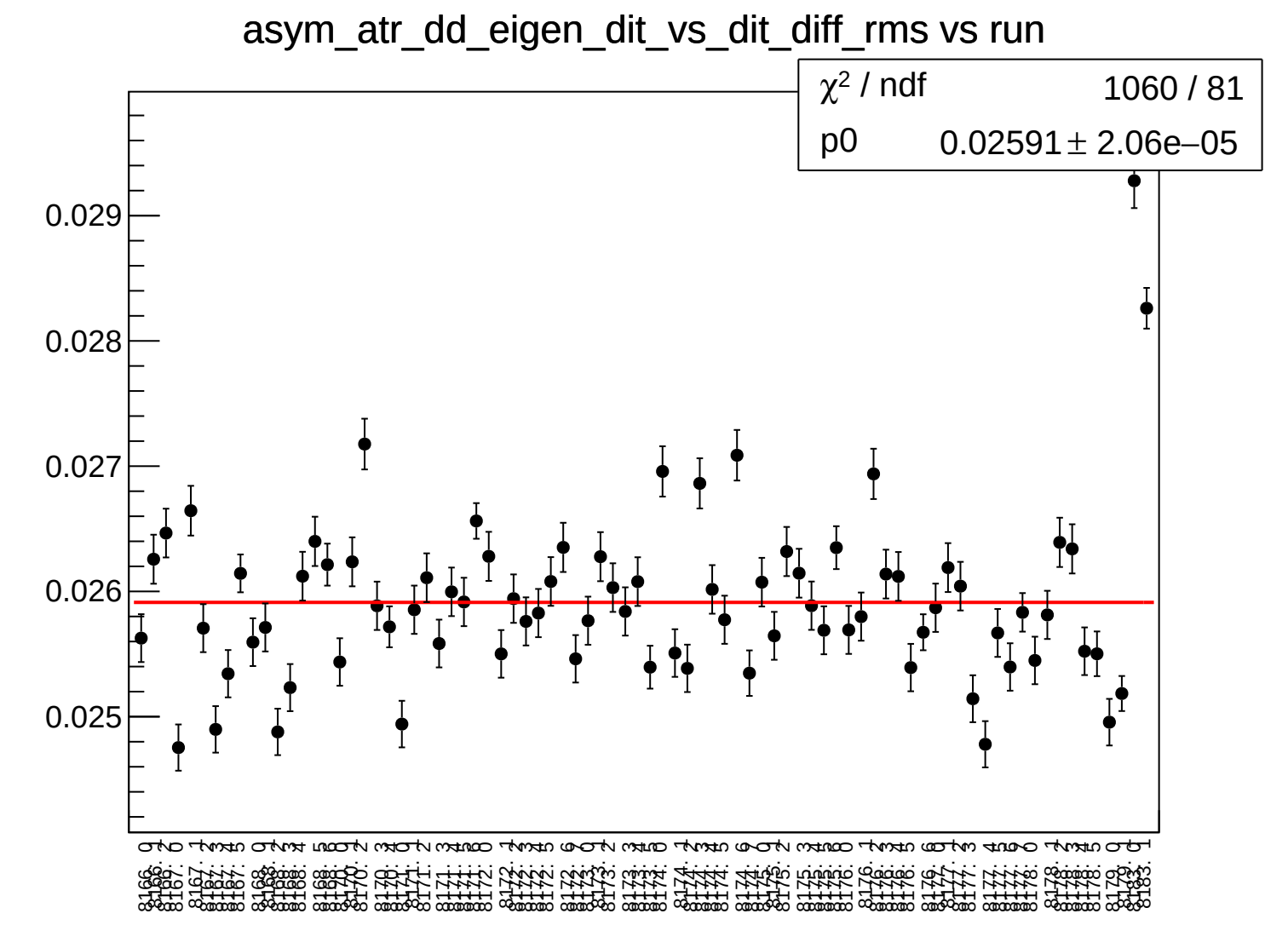

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 90.65 / 81
p0 −0.1352 ± 0.1901
pull
Entries 82
Mean −73.69
Std Dev 0
pull1D
Entries 82
Mean 0.01268
Std Dev 1.051

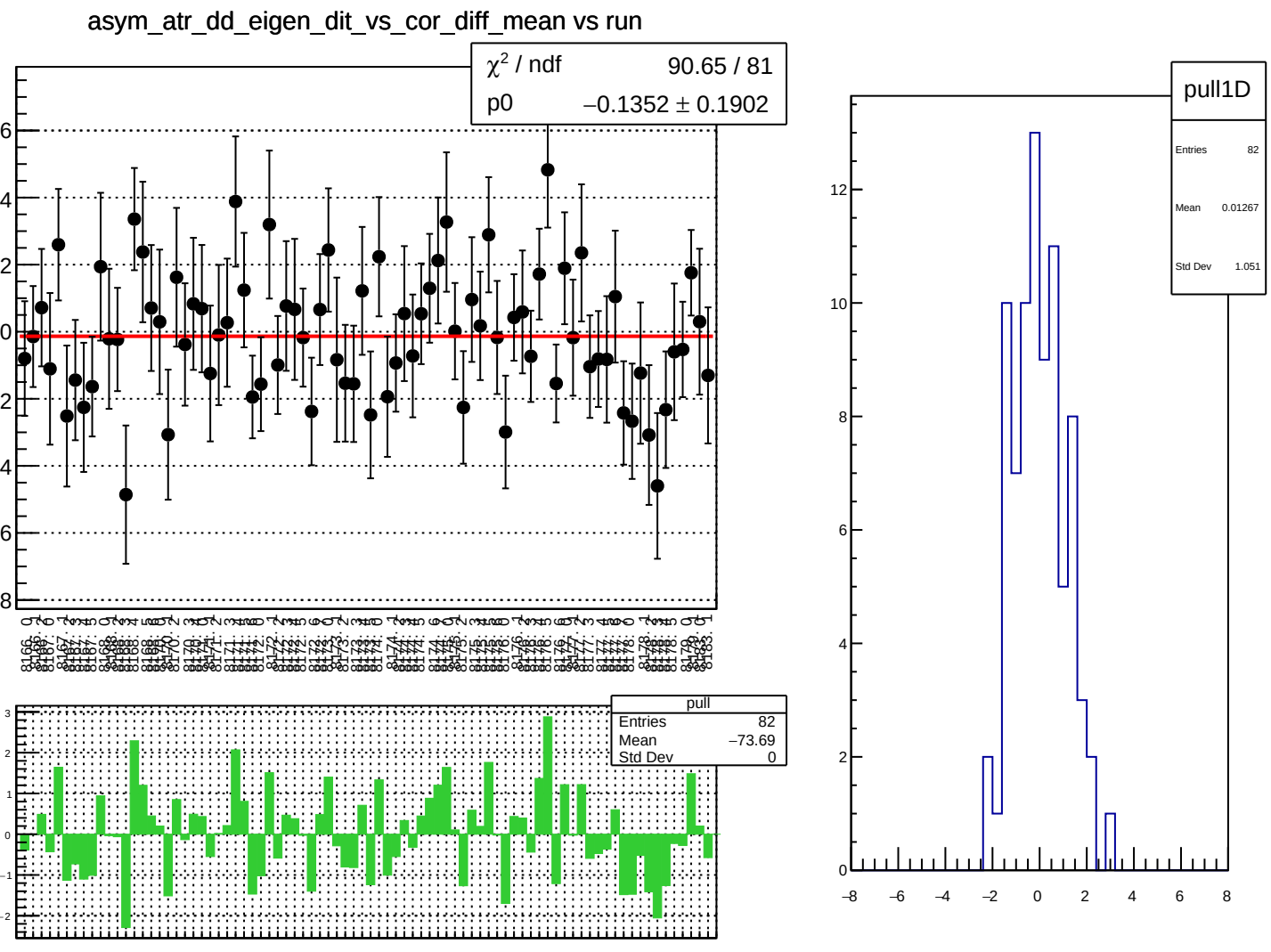

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.578e+04 / 81
p0 167.2 ± 0.1345
260
240
220
200
180
160
140
120

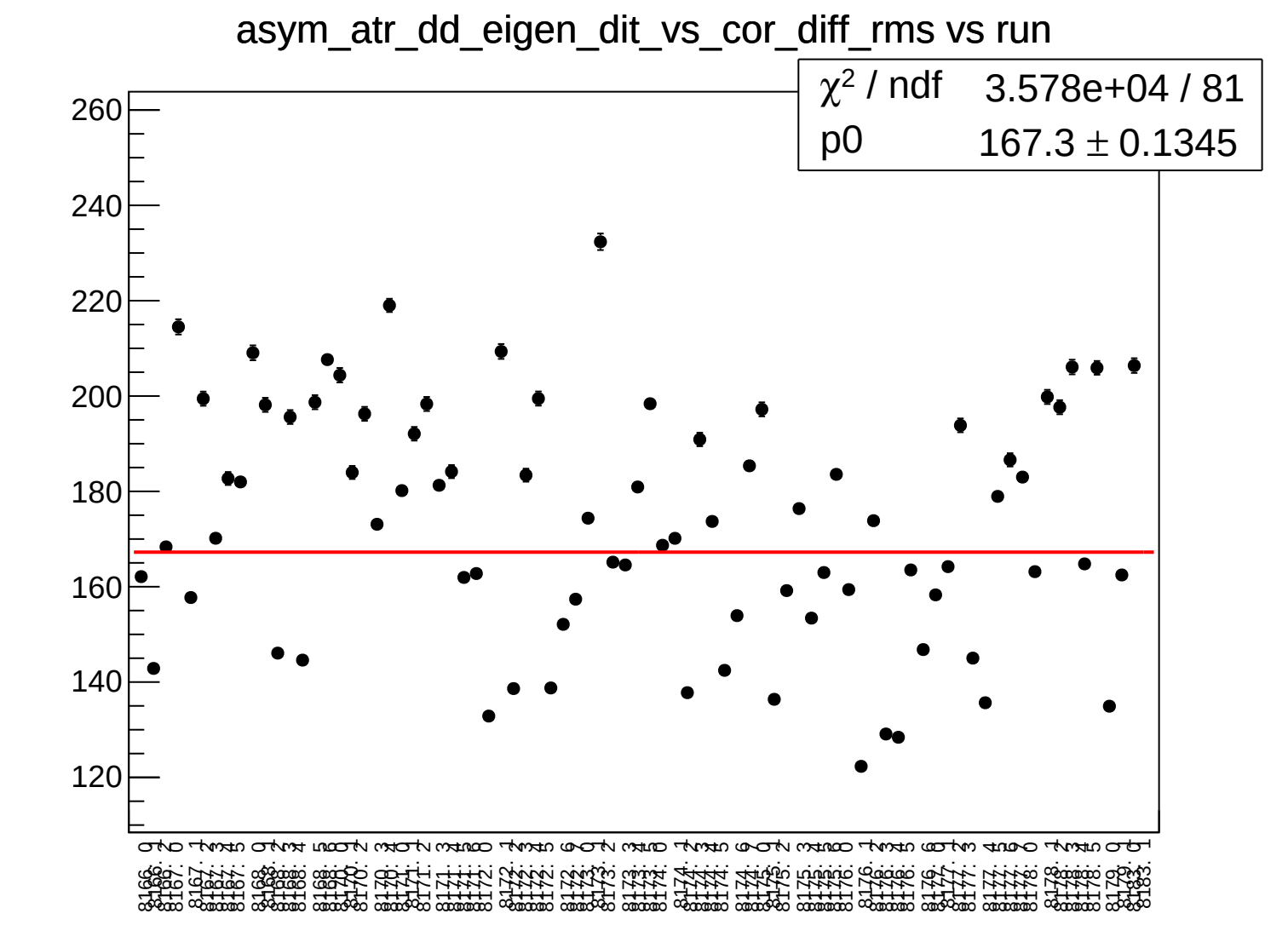

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.65 / 81
p0 −0.1352 ± 0.1901
pull
Entries 82
Mean −73.69
Std Dev 0
pull1D
Entries 82
Mean 0.01268
Std Dev 1.051

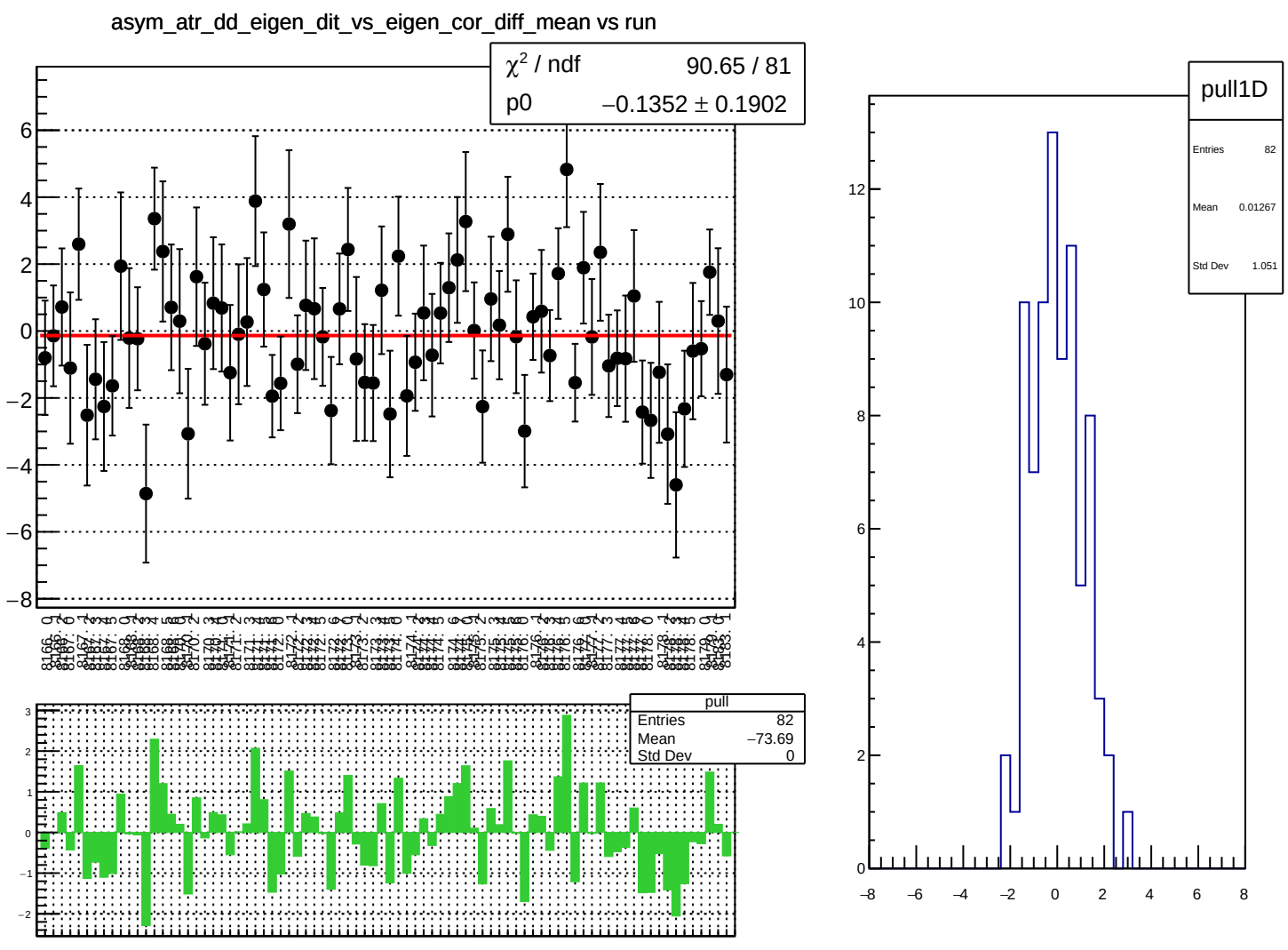

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.578e+04 / 81
p0 167.2 ± 0.1345
260
240
220
200
180
160
140
120

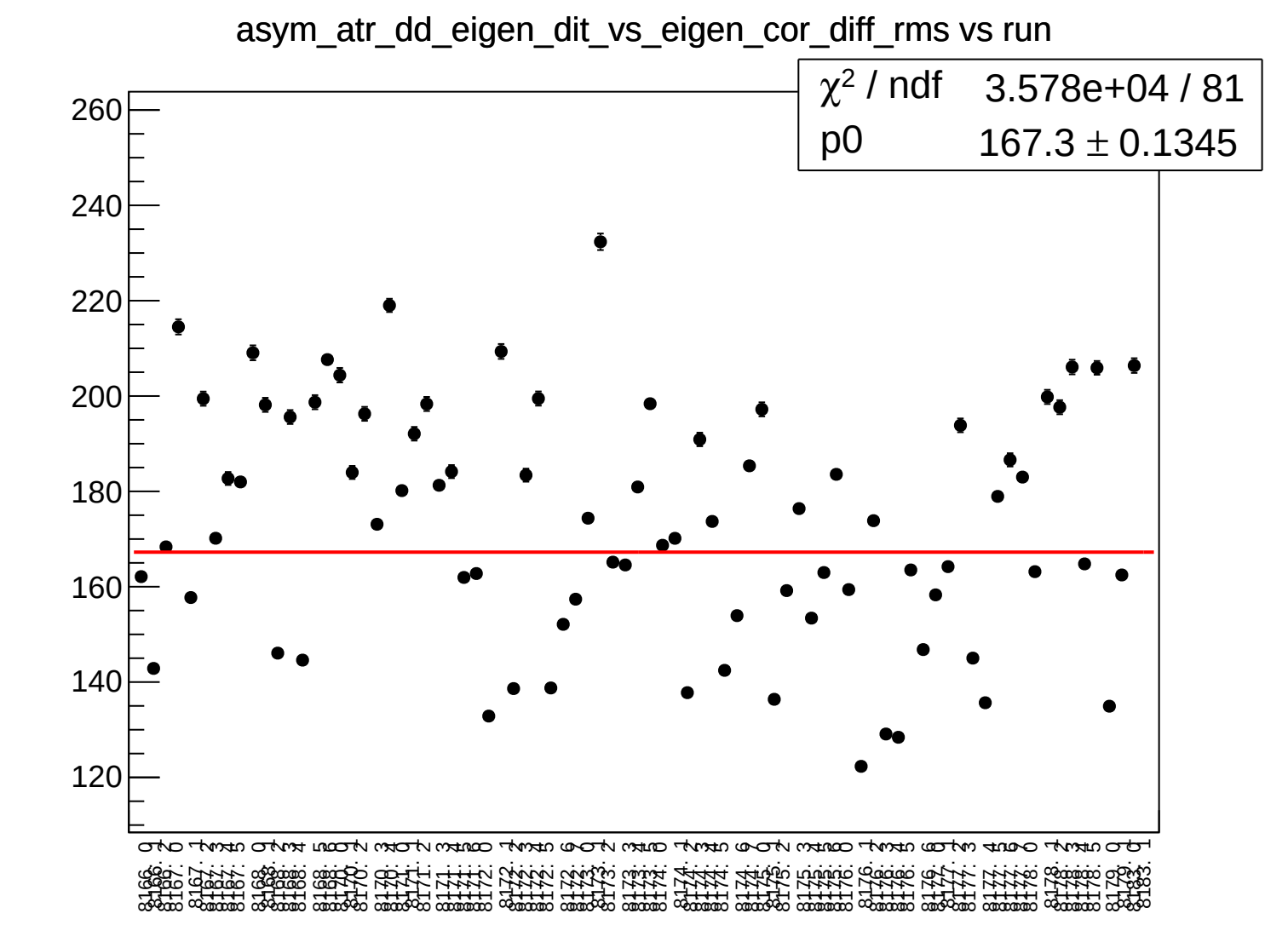

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.49 / 81
p0 −5.863e−06 ± 2.914e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 82
Mean 1.103e+04
Std Dev 0
pull1D
Entries 82
Mean 0.0001052
Std Dev 1.079

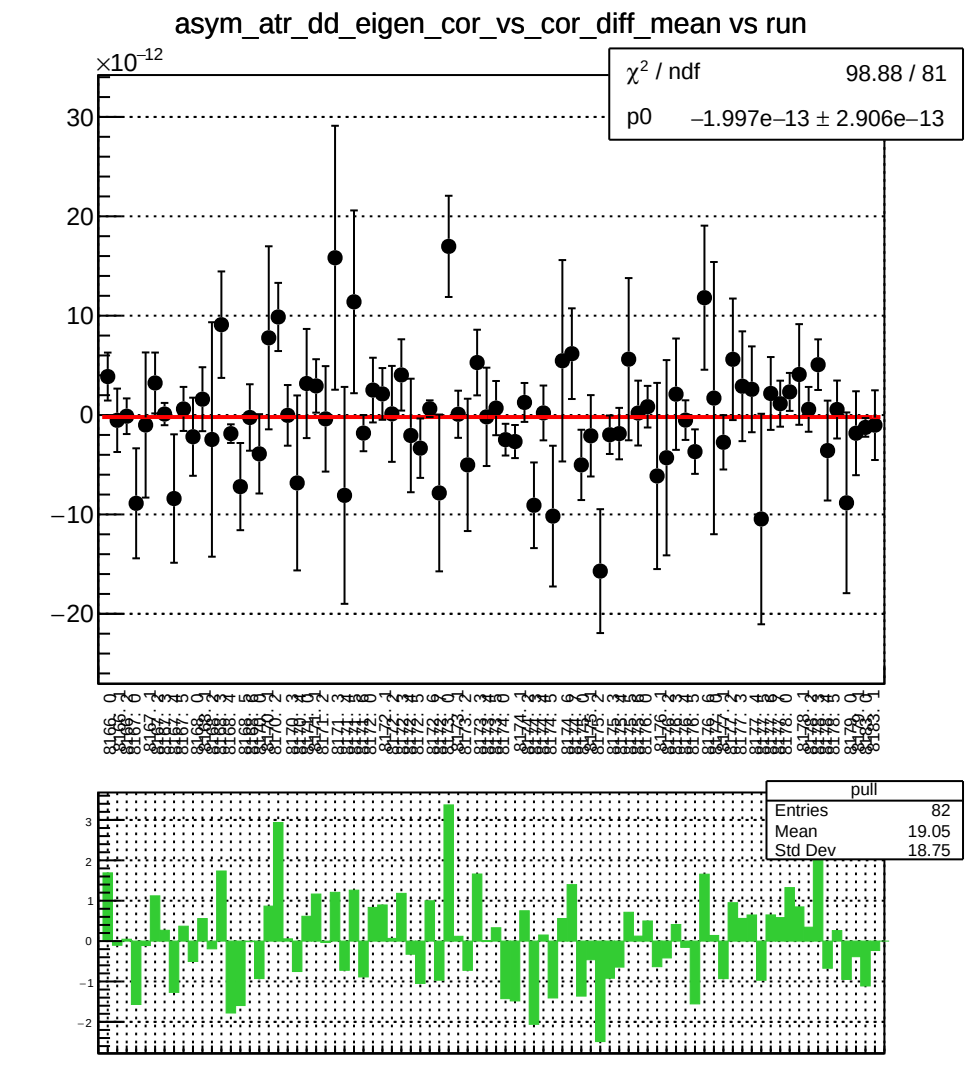

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1060 / 81
p0 0.02591 ± 2.06e−05
0.029
0.028
0.027
0.026
0.025

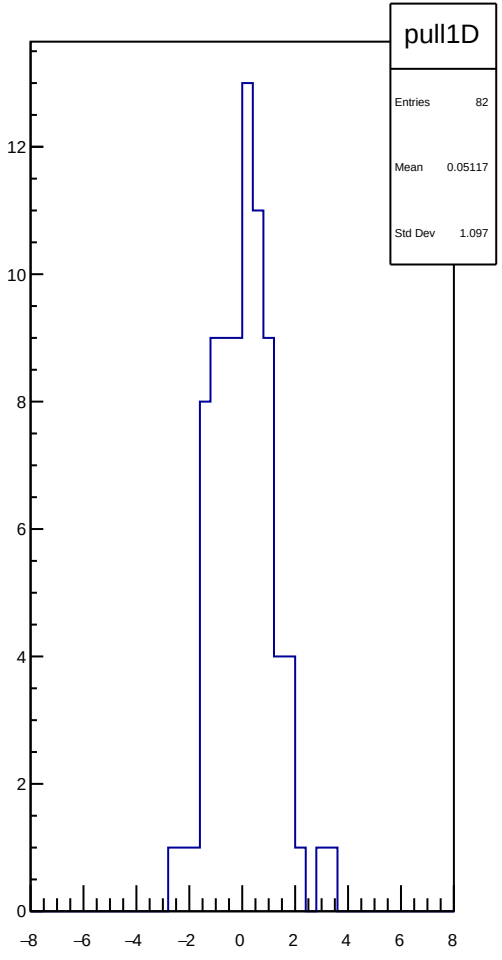

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.65 / 81
p0 −0.1352 ± 0.1902
pull
Entries 82
Mean −73.69
Std Dev 0
pull1D
Entries 82
Mean 0.01267
Std Dev 1.051

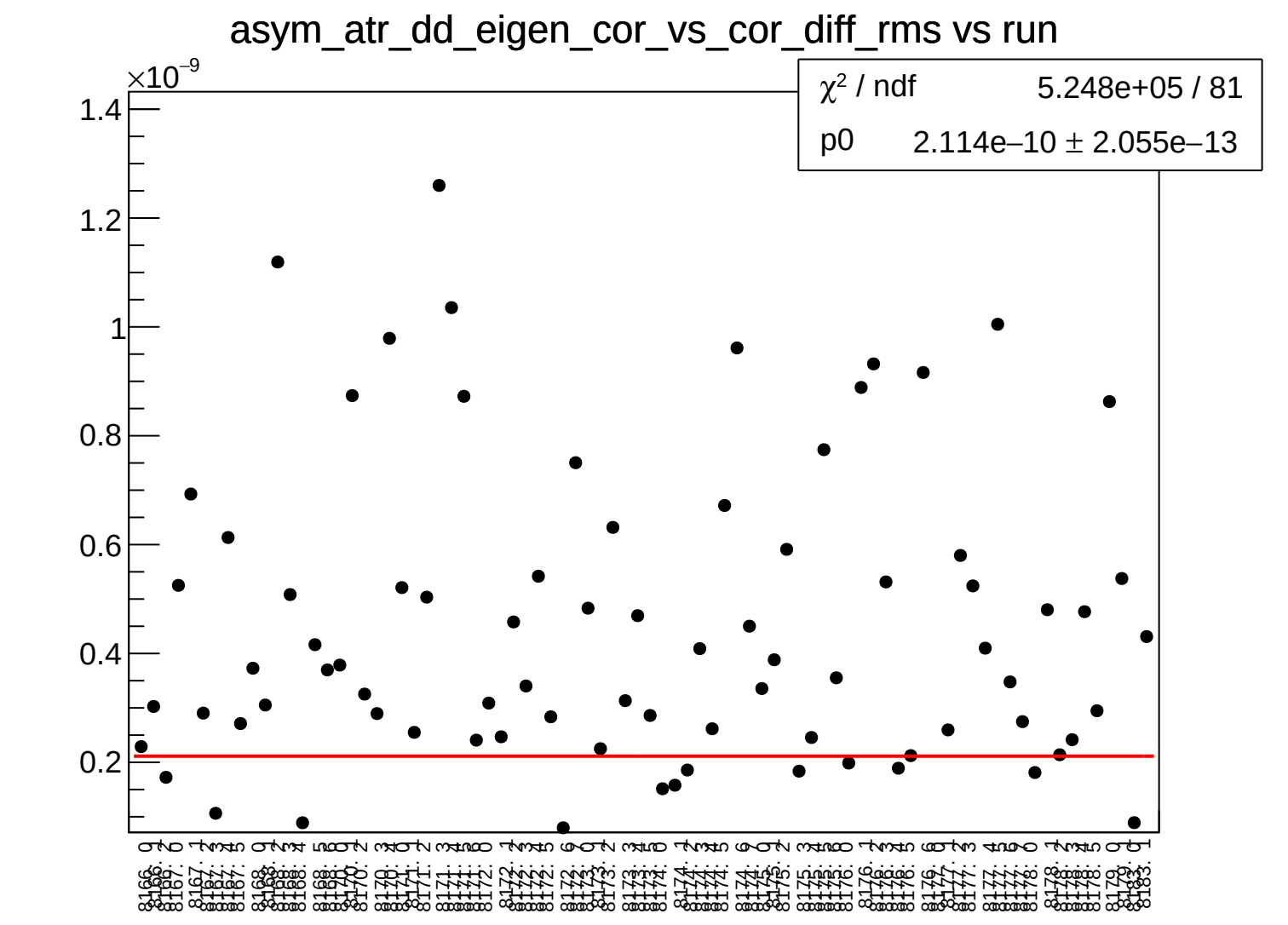

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.578e+04 / 81
p0 167.3 ± 0.1345
260
240
220
200
180
160
140
120

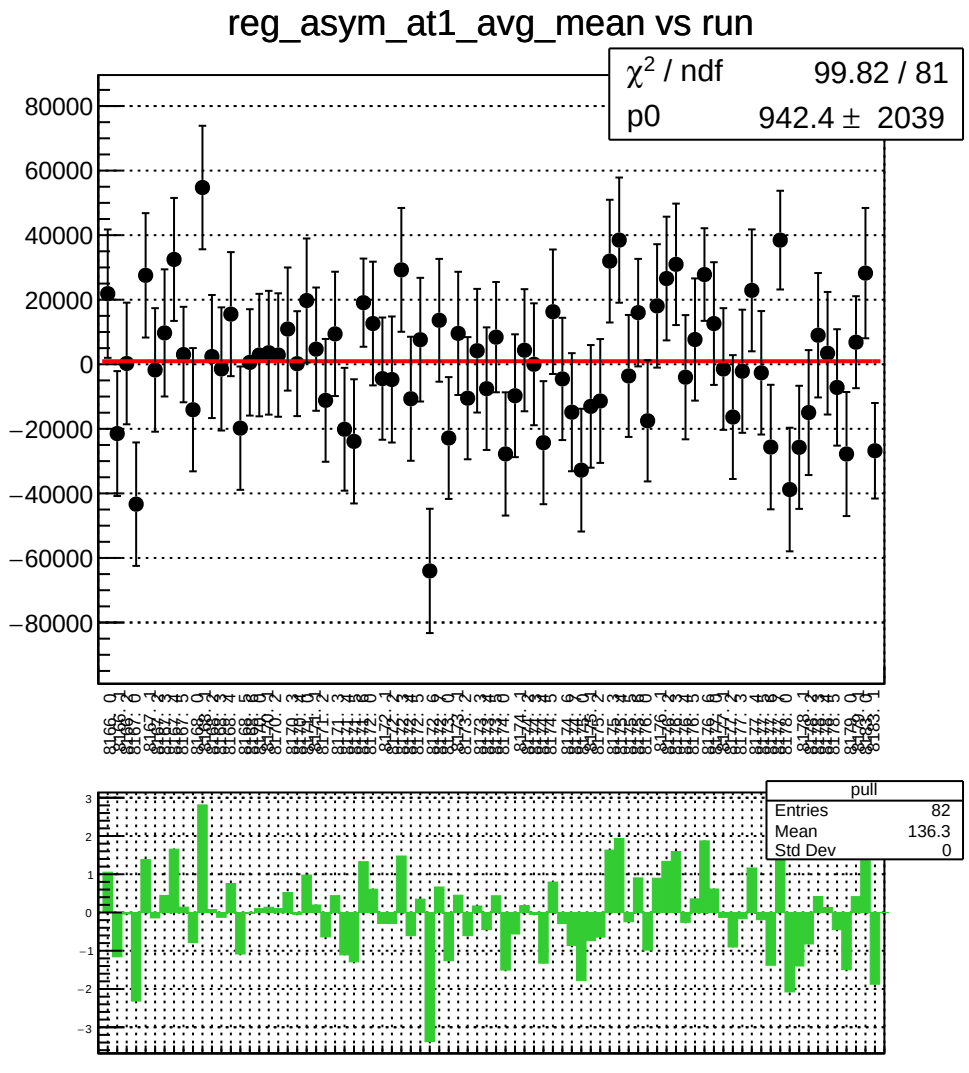

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.65 / 81
p0 −0.1352 ± 0.1902
pull
Entries 82
Mean −73.69
Std Dev 0
pull1D
Entries 82
Mean 0.01267
Std Dev 1.051

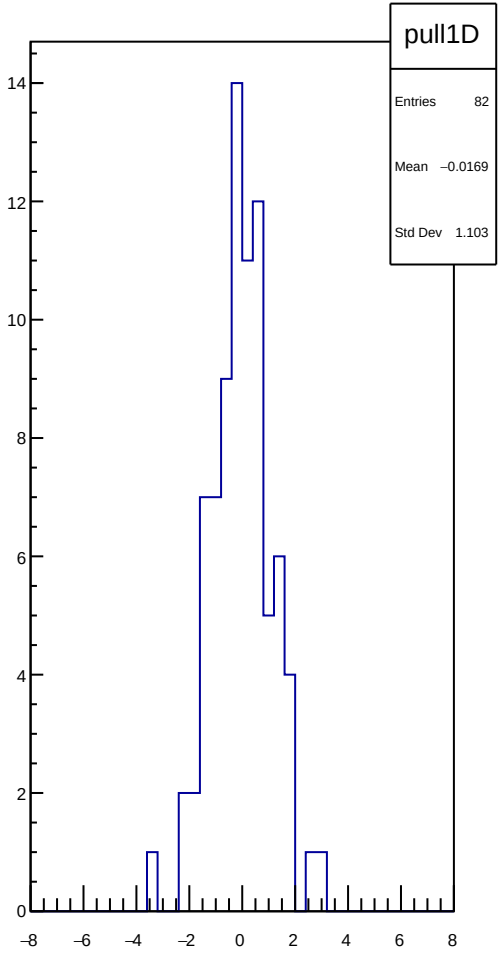

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.578e+04 / 81
p0 167.3 ± 0.1345
260
240
220
200
180
160
140
120

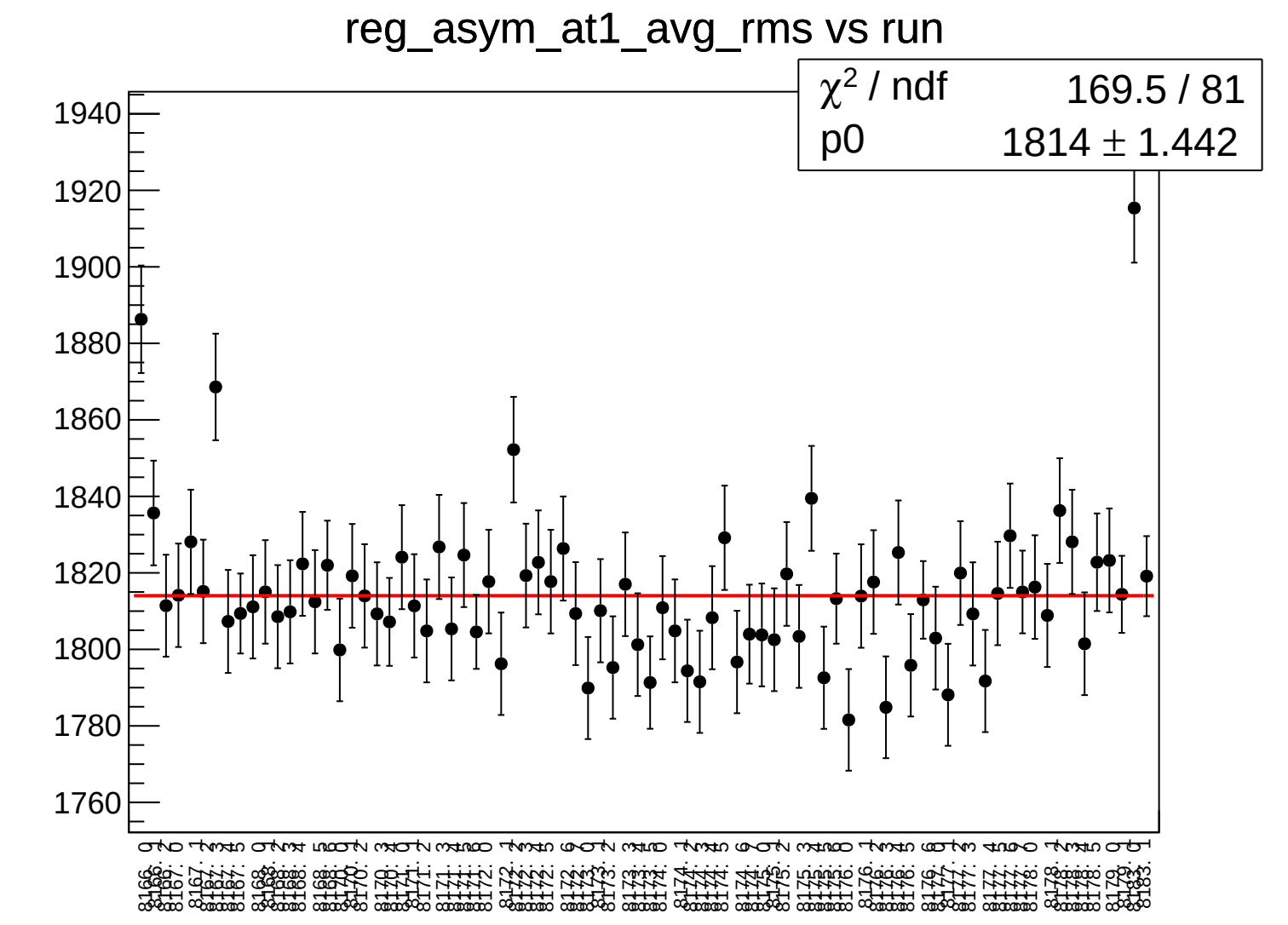

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.88 / 81
p0 −1.997e−13 ± 2.906e−13
pull
Entries 82
Mean 19.05
Std Dev 18.75

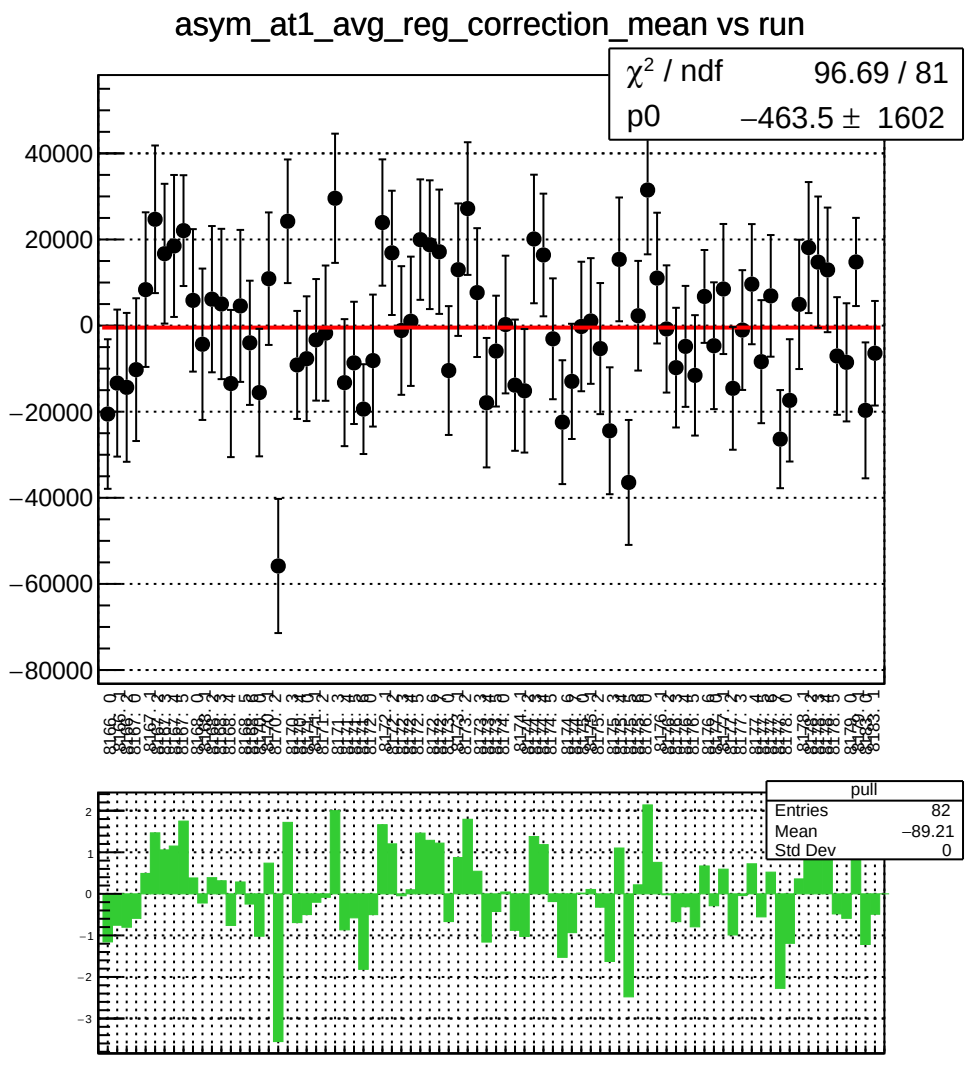

pull1D
Entries 82
Mean 0.05117
Std Dev 1.097

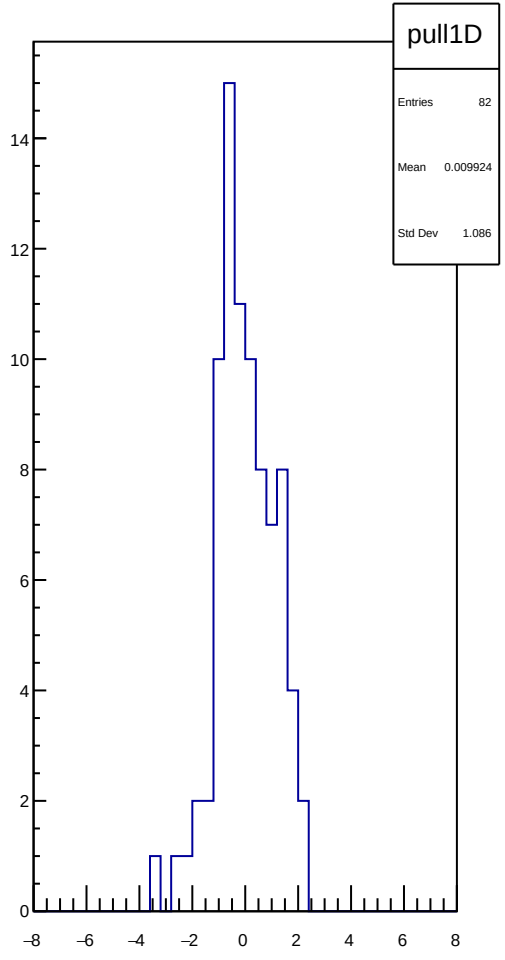

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.248e+05 / 81
p0 2.114e−10 ± 2.055e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

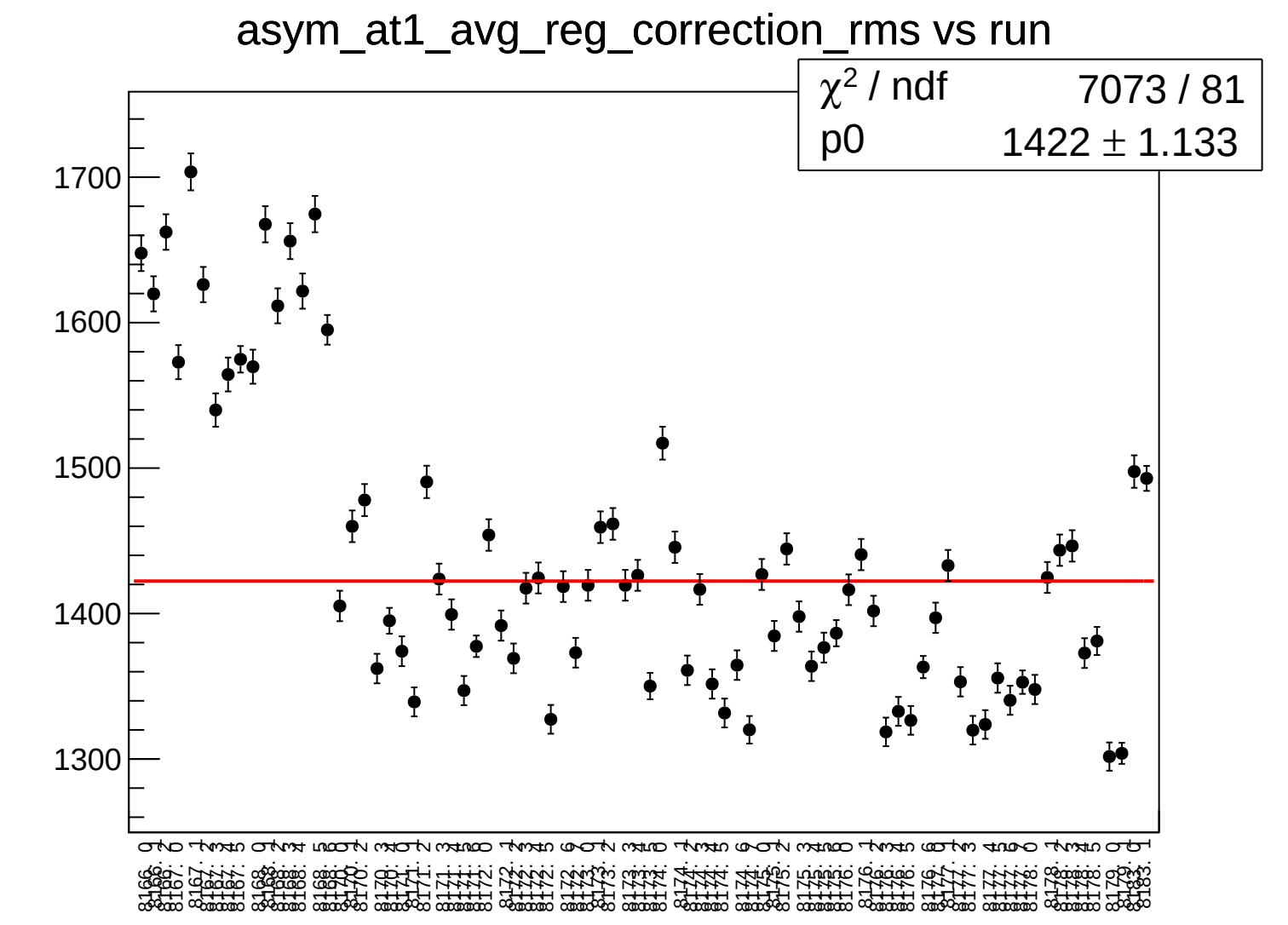

reg_asym_at1_avg_mean vs run
χ² / ndf 99.82 / 81
p0 942.4 ± 2039
pull
Entries 82
Mean 136.3
Std Dev 0

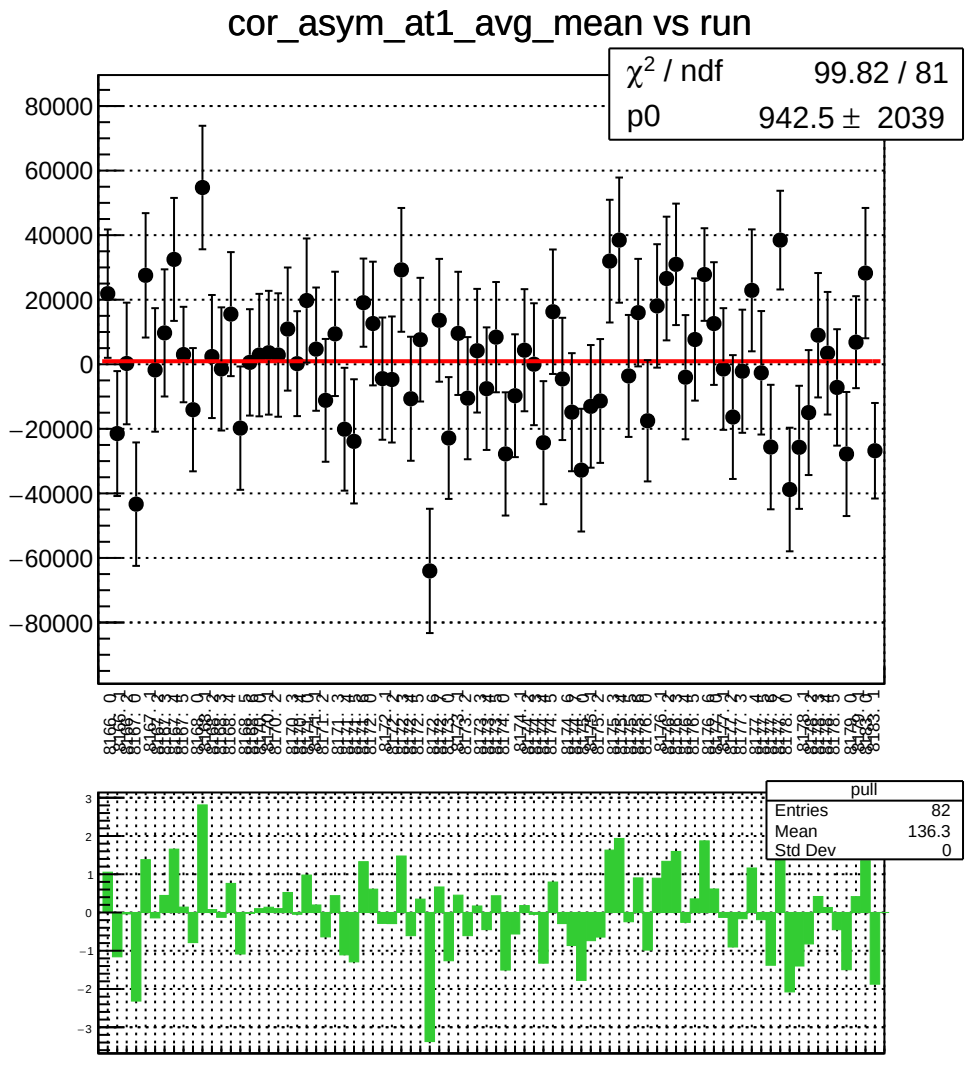

pull1D
Entries 82
Mean −0.0169
Std Dev 1.103

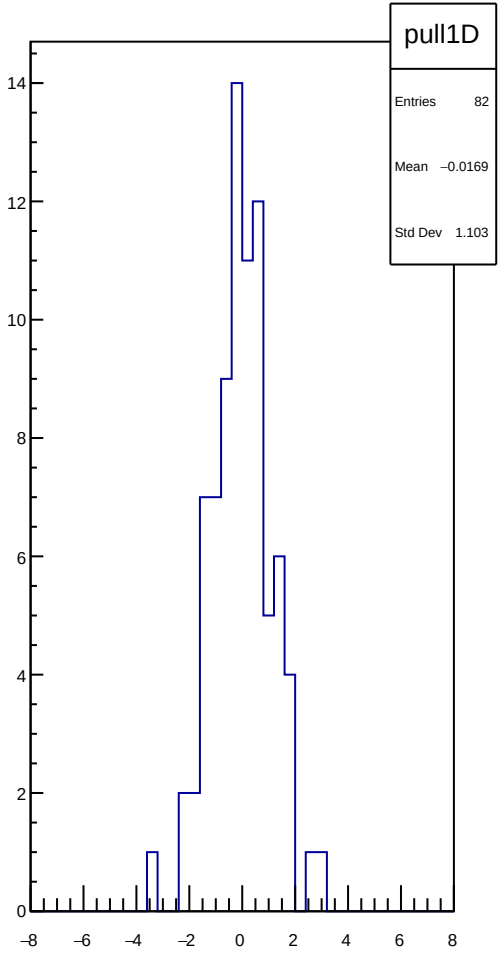

reg_asym_at1_avg_rms vs run
χ^2 / ndf 169.5 / 81
p0 1814 ± 1.442
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

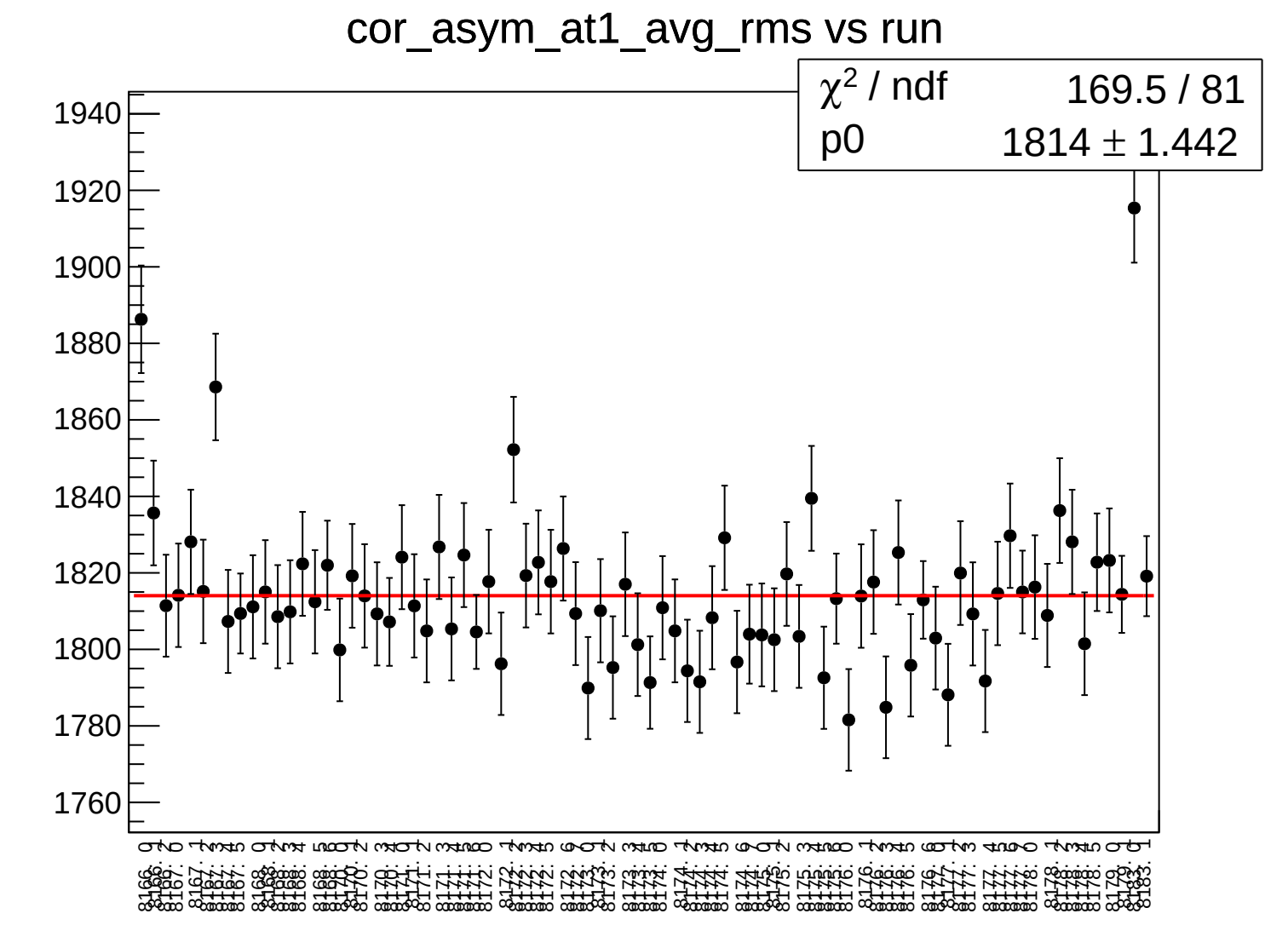

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 96.69 / 81
p0 −463.5 ± 1602
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −89.21
Std Dev 0
2
1
0
−1
−2
−3

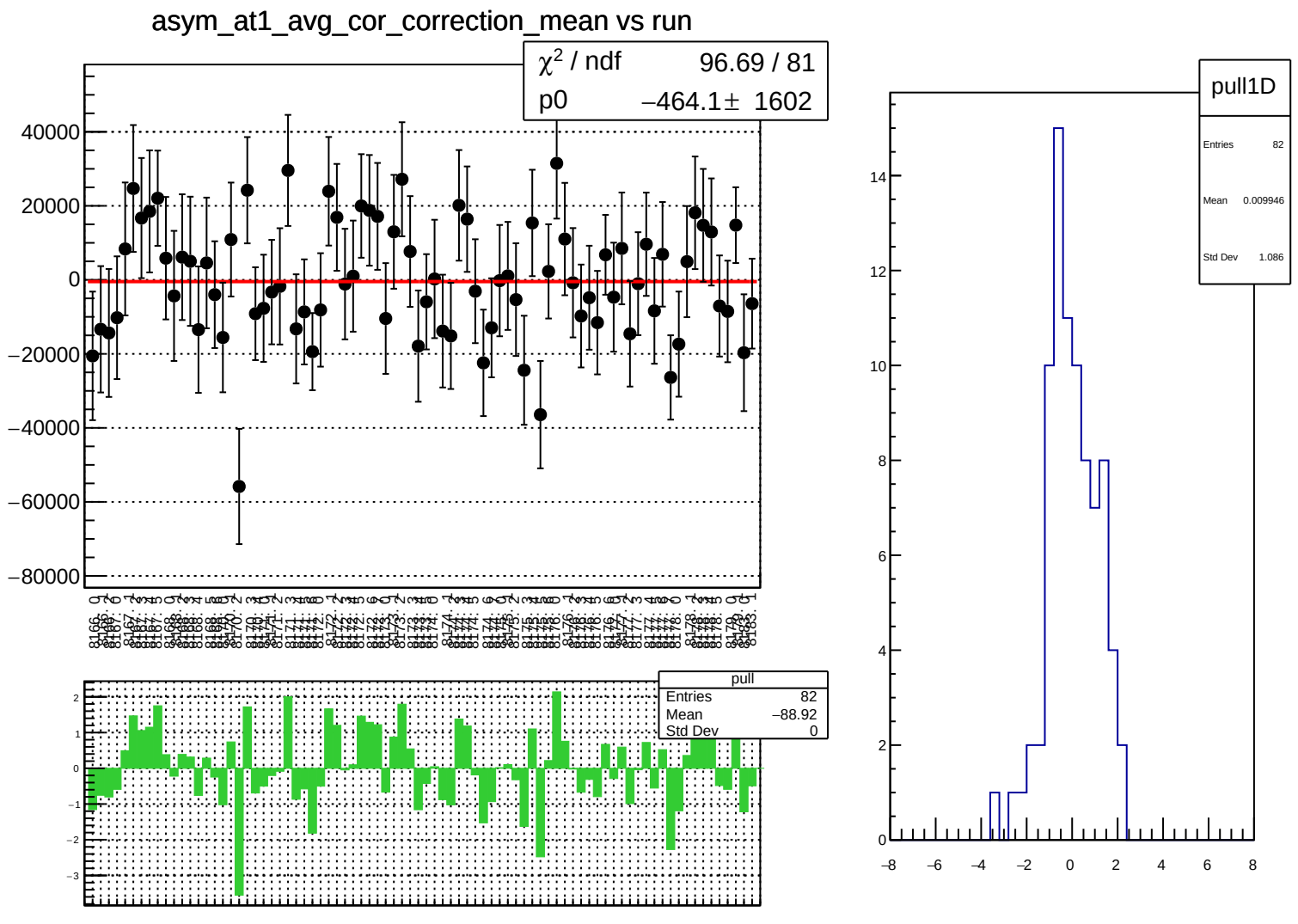

pull1D
Entries 82
Mean 0.009924
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

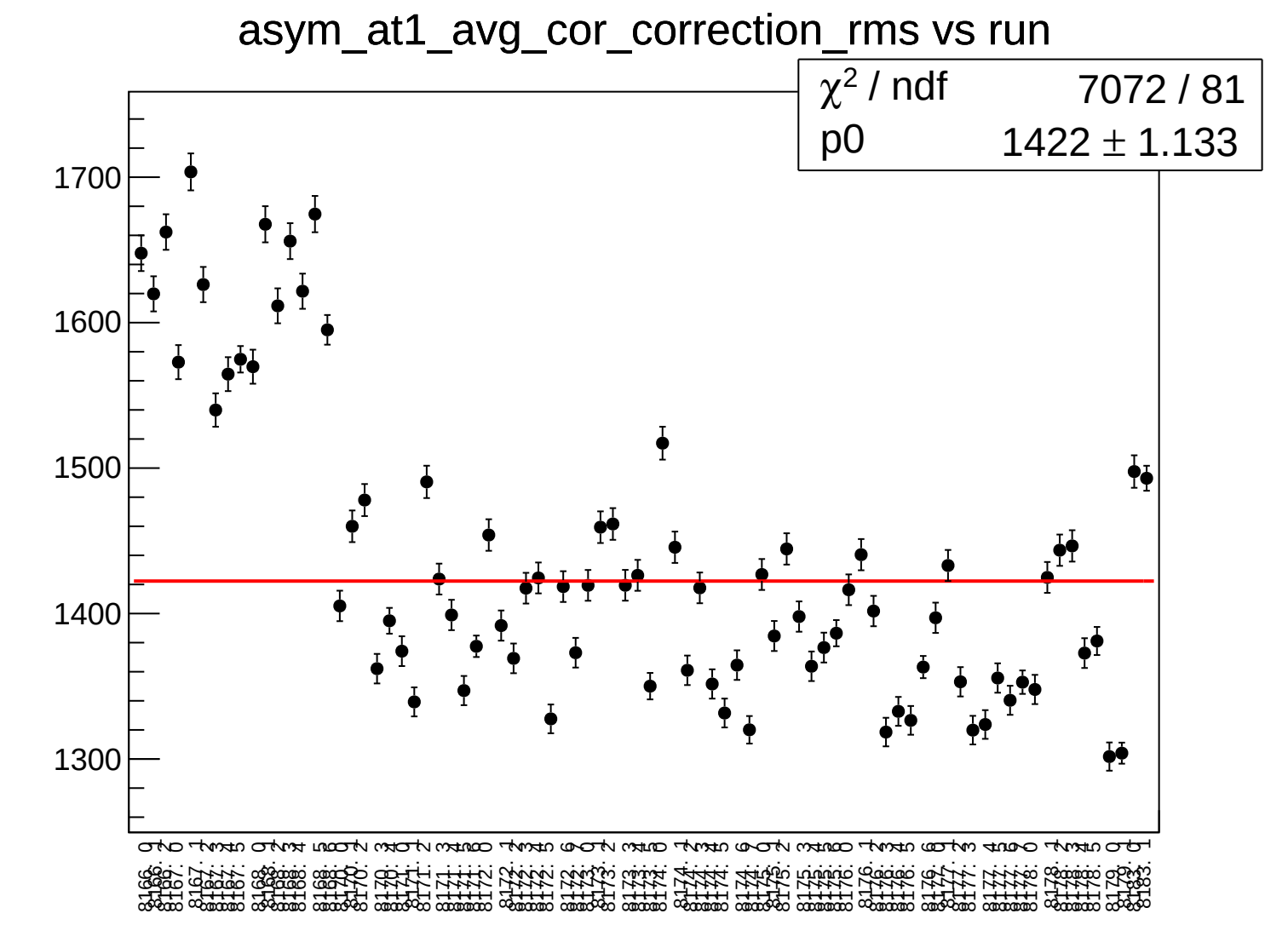

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 7073 / 81
p0 1422 ± 1.133
1700
1600
1500
1400
1300

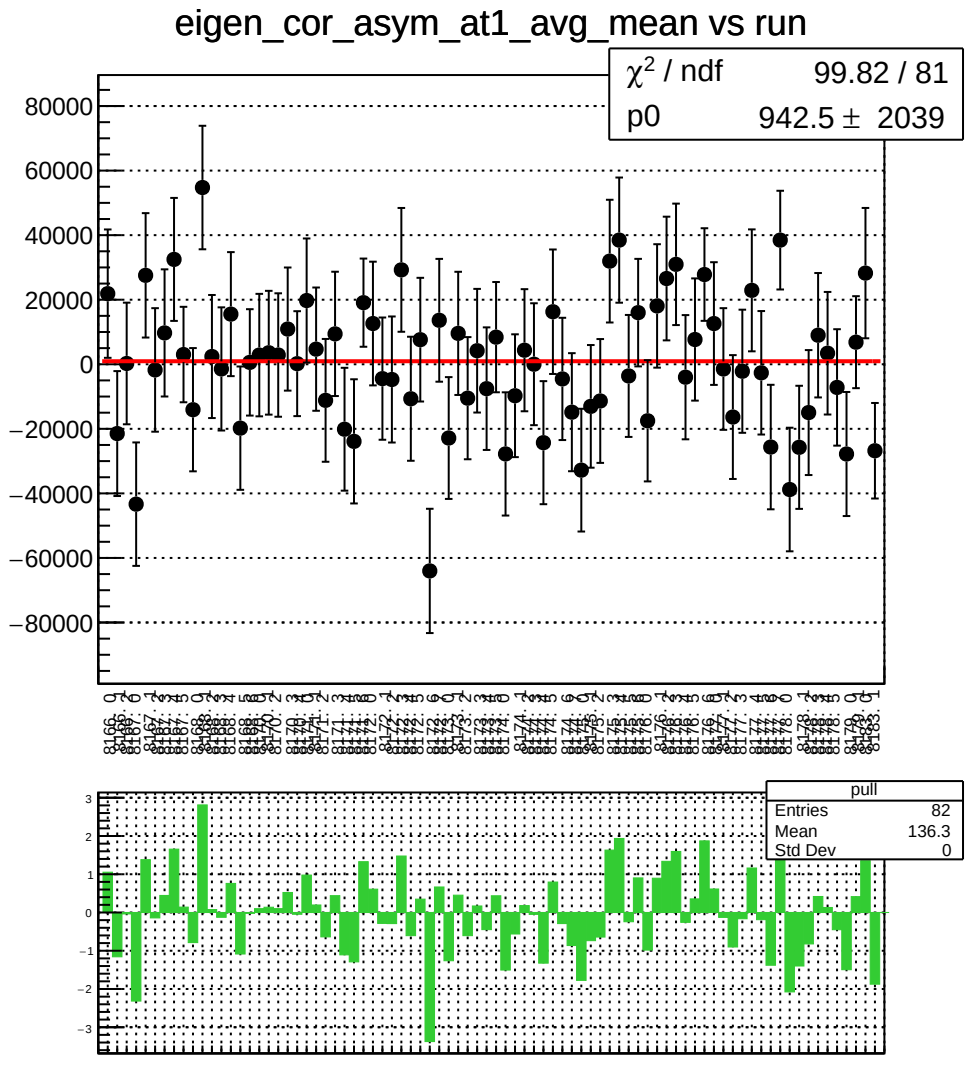

cor_asym_at1_avg_mean vs run
χ² / ndf 99.82 / 81
p0 942.5 ± 2039
pull
Entries 82
Mean 136.3
Std Dev 0

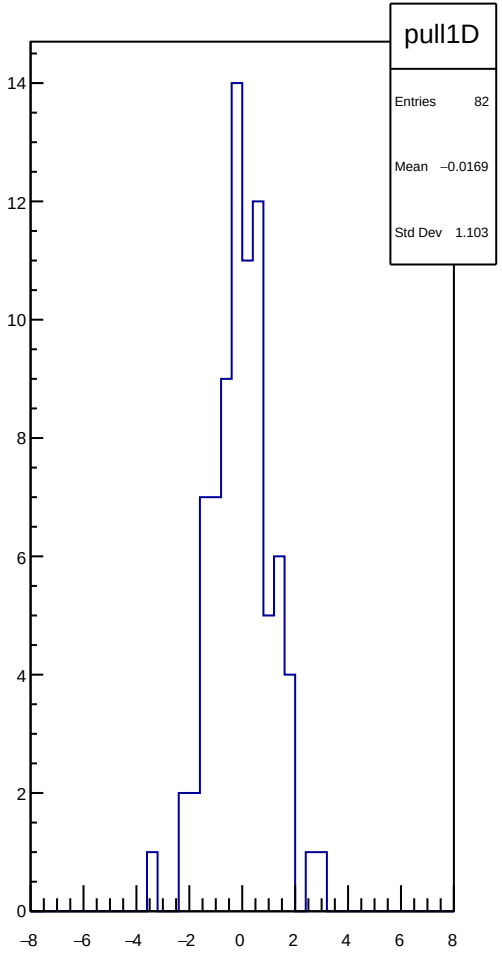

pull1D
Entries 82
Mean −0.0169
Std Dev 1.103

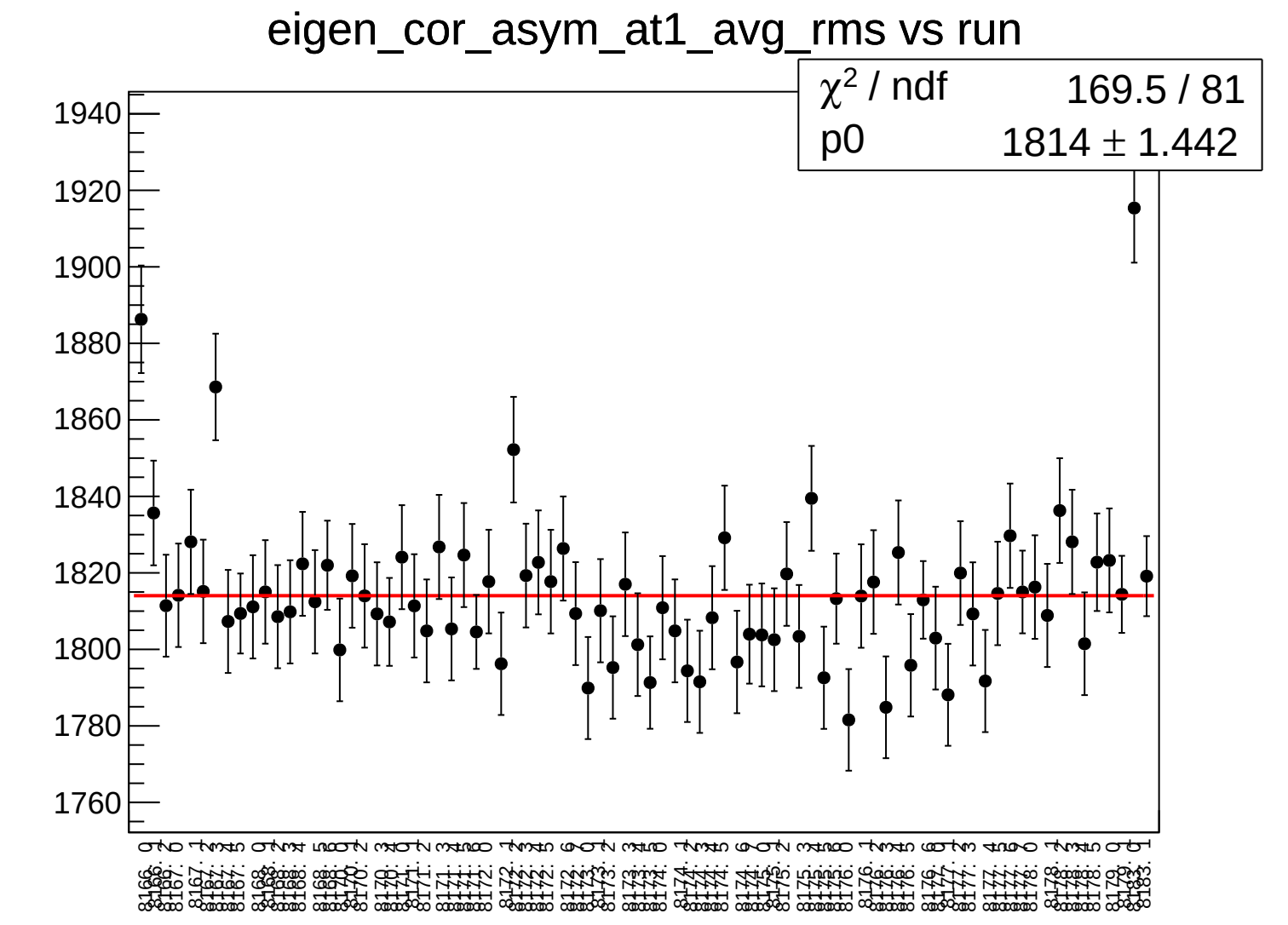

cor_asym_at1_avg_rms vs run
χ^2 / ndf 169.5 / 81
p0 1814 ± 1.442
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

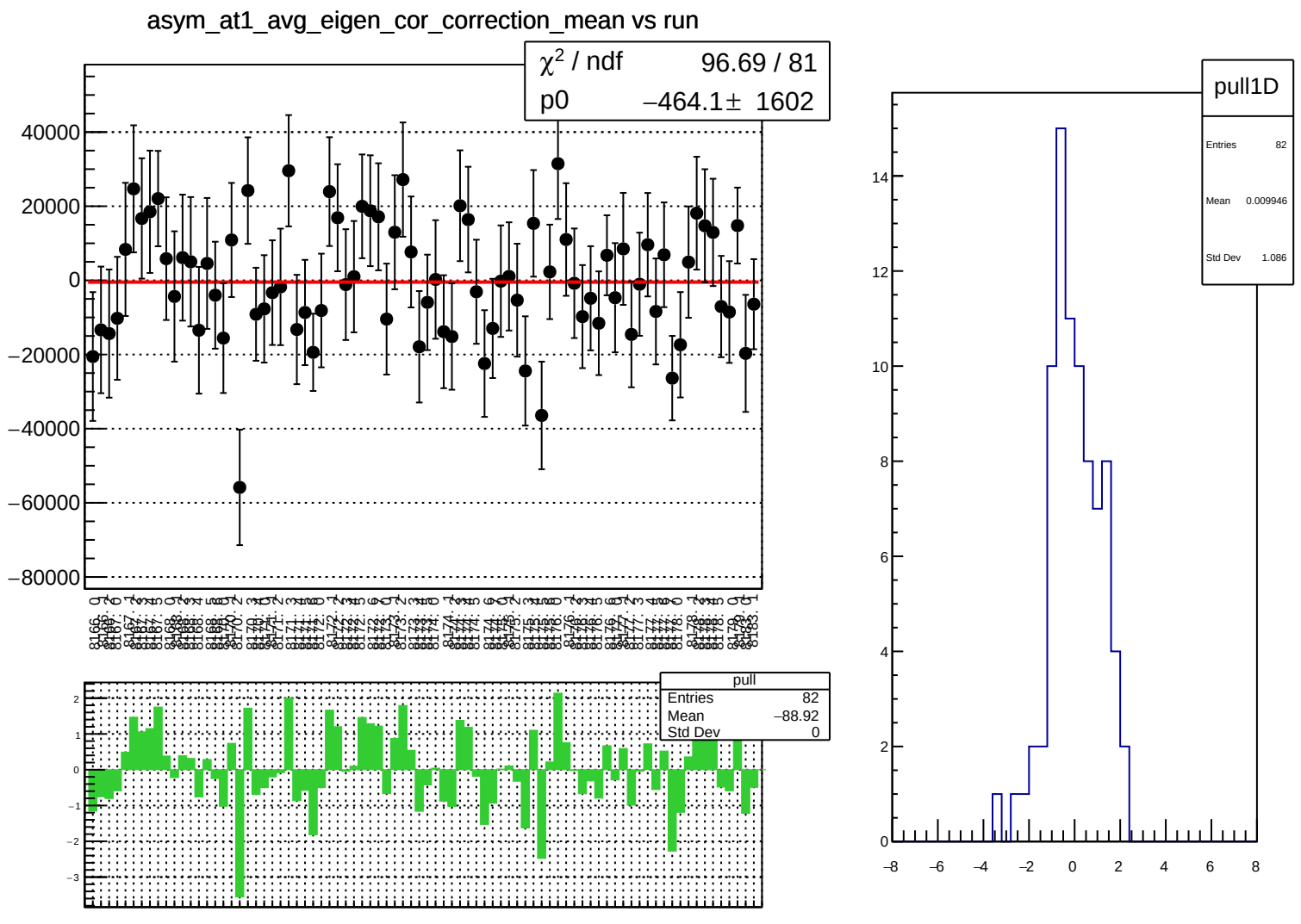

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 96.69 / 81
p0 −464.1± 1602
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −88.92
Std Dev 0
pull1D
Entries 82
Mean 0.009946
Std Dev 1.086

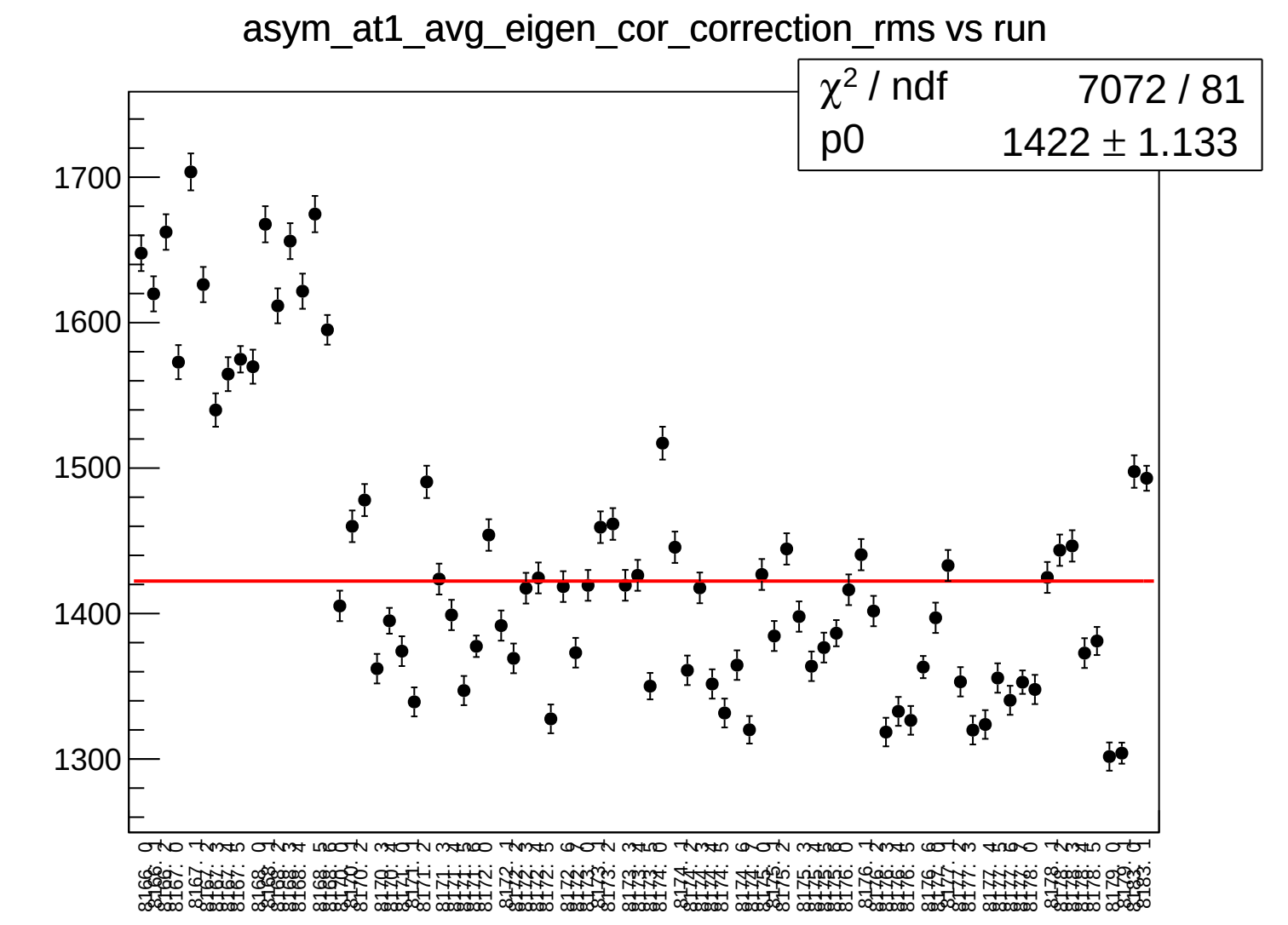

asym_at1_avg_cor_correction_rms vs run
χ^2 / ndf 7072 / 81
p0 1422 ± 1.133
1700
1600
1500
1400
1300

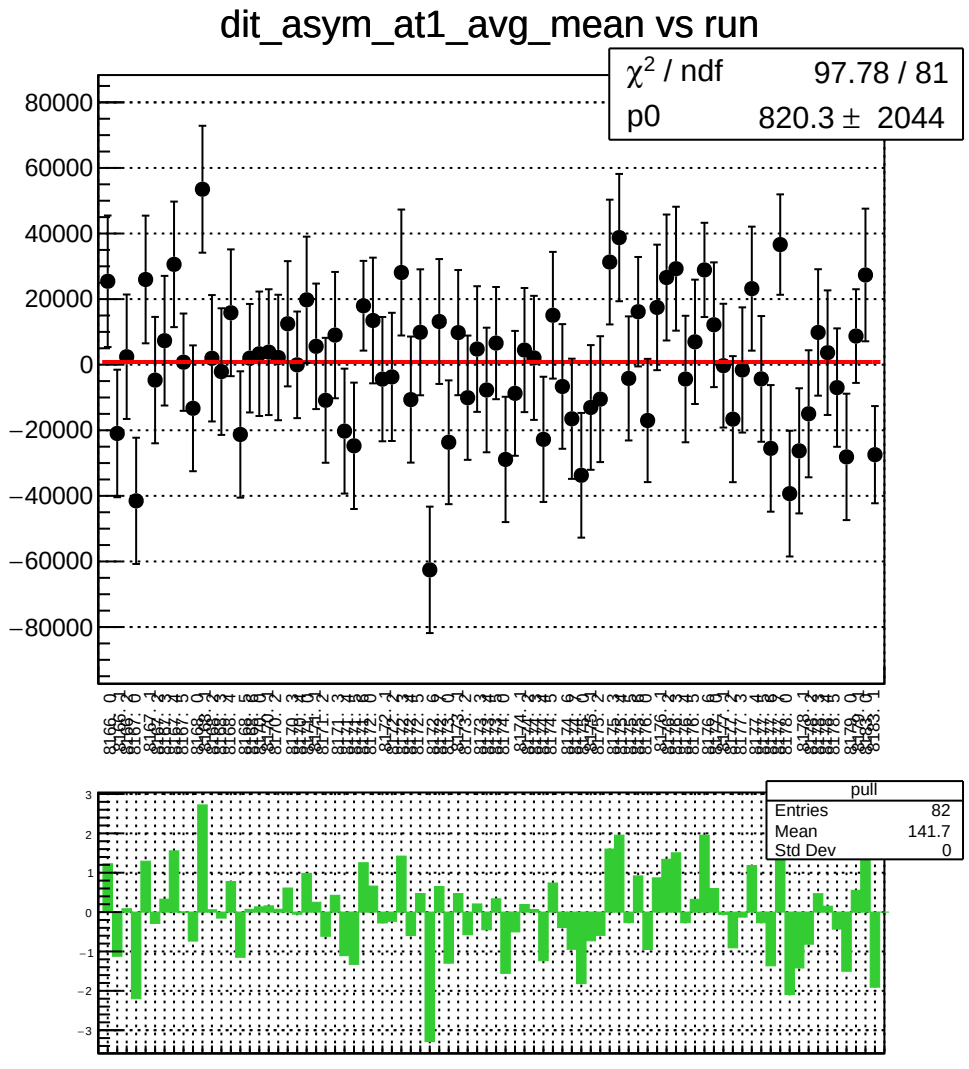

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 99.82 / 81
p0 942.5 ± 2039
pull
Entries 82
Mean 136.3
Std Dev 0

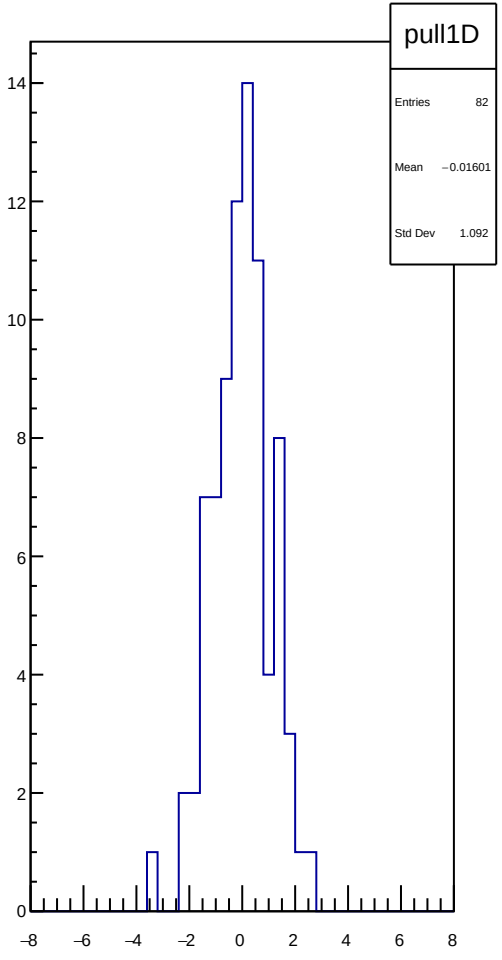

pull1D
Entries 82
Mean −0.0169
Std Dev 1.103

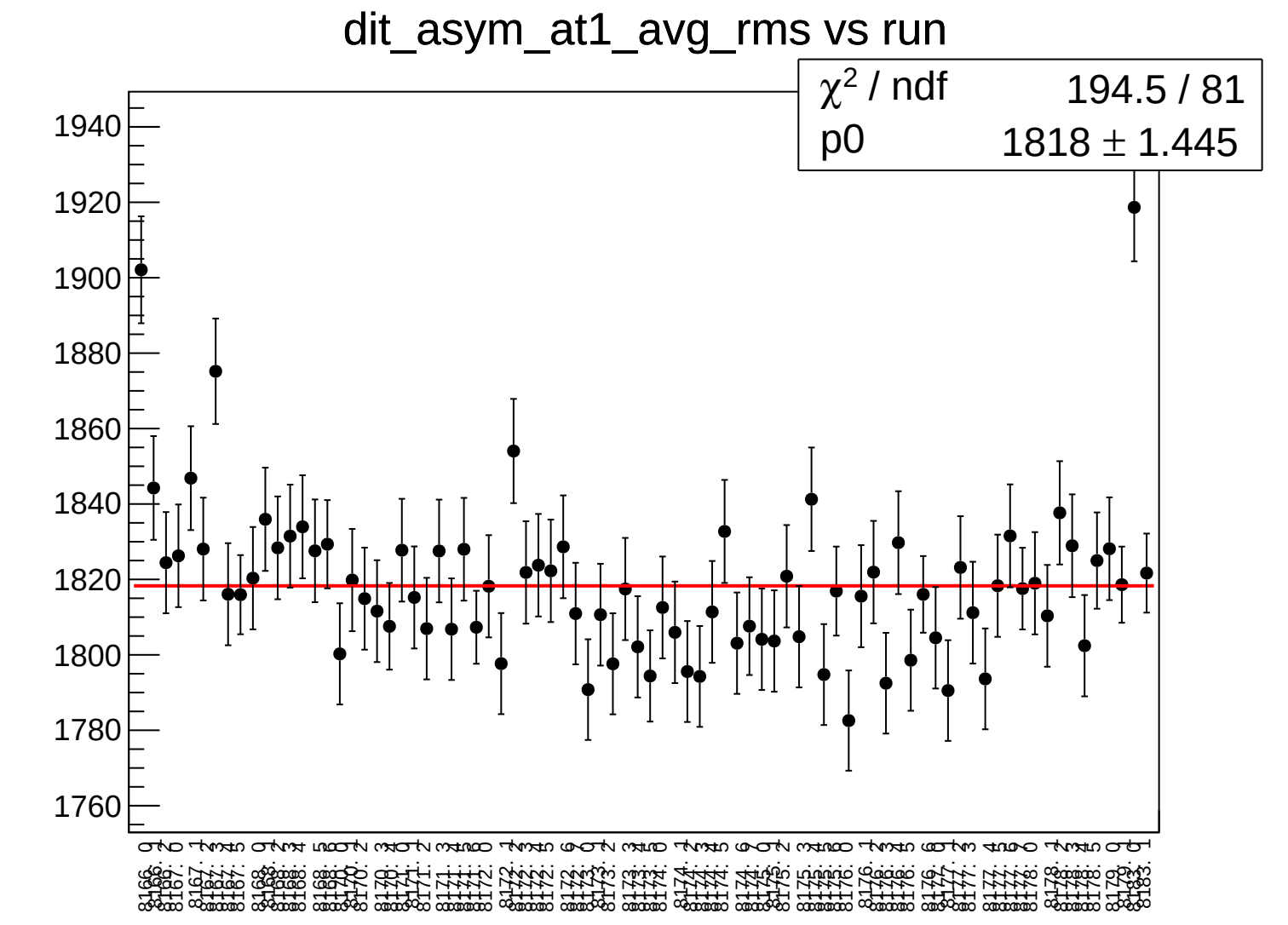

eigen_cor_asym_at1_avg_rms vs run
χ^2 / ndf 169.5 / 81
p0 1814 ± 1.442
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

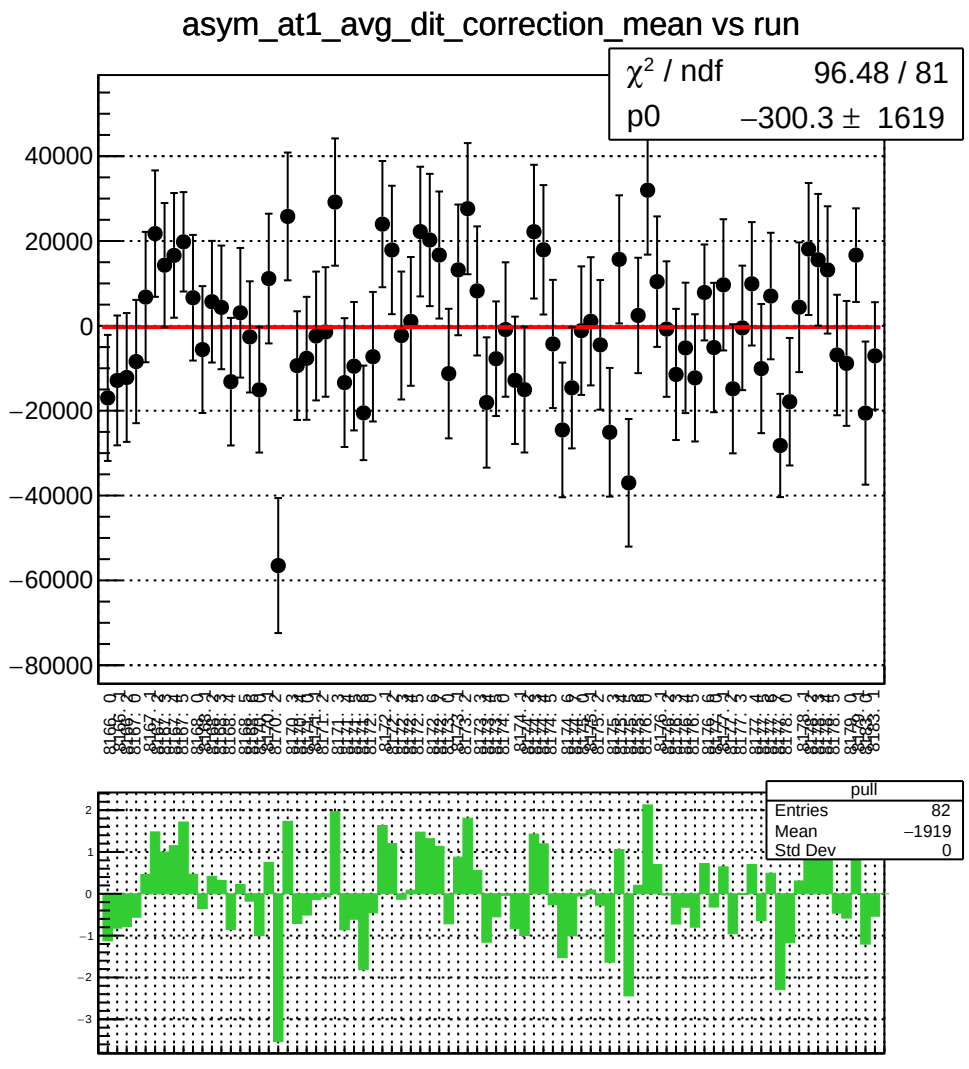

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 96.69 / 81
p0 −464.1± 1602
pull
Entries 82
Mean −88.92
Std Dev 0
pull1D
Entries 82
Mean 0.009946
Std Dev 1.086

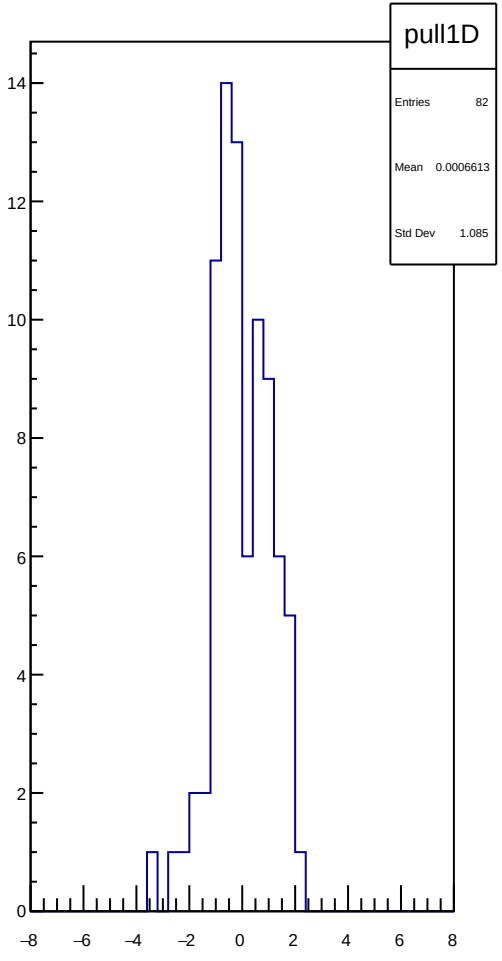

asym_at1_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 7072 / 81
p0 1422 ± 1.133
1700
1600
1500
1400
1300

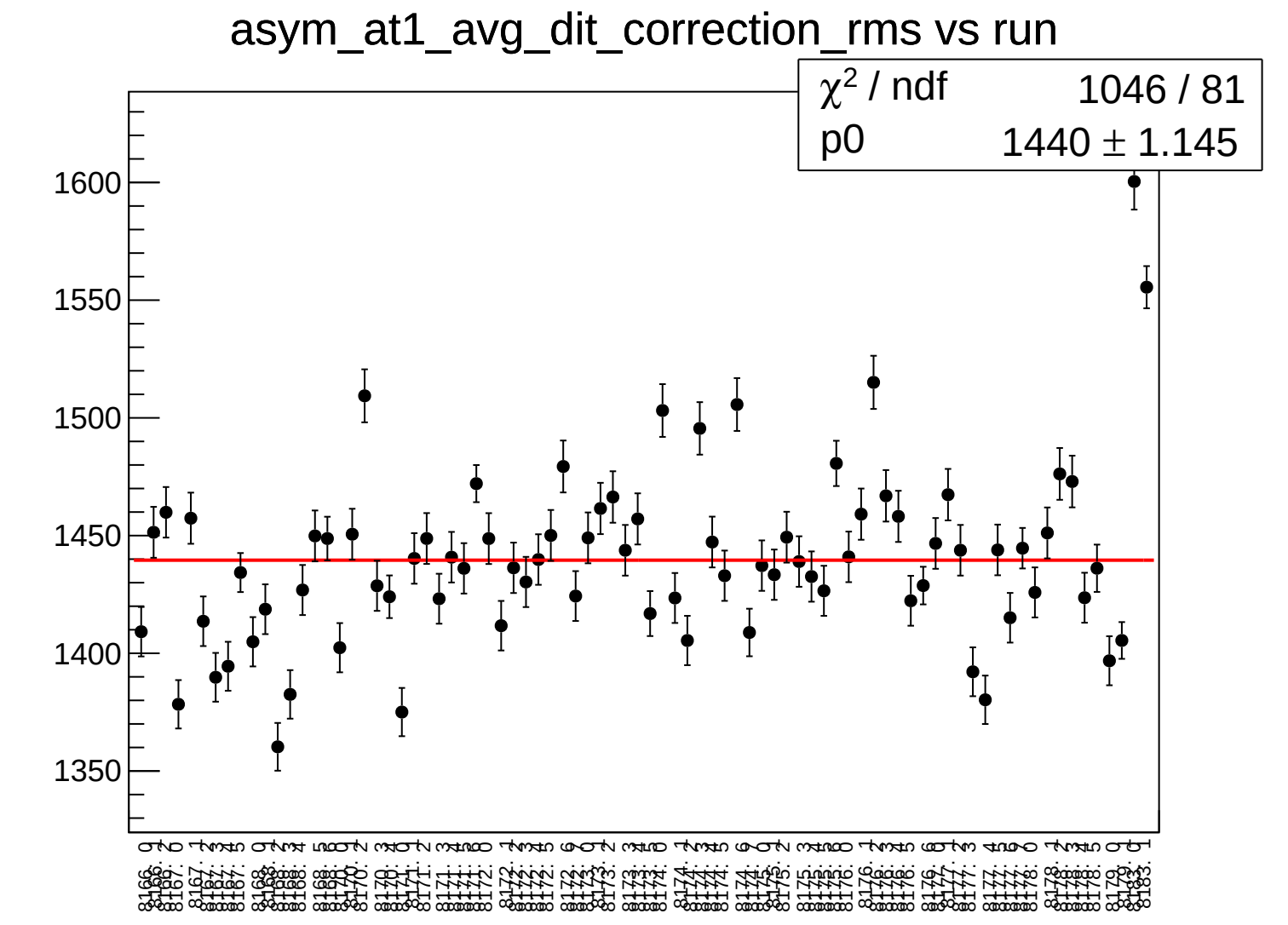

dit_asym_at1_avg_mean vs run
χ² / ndf 97.78 / 81
p0 820.3 ± 2044
pull
Entries 82
Mean 141.7
Std Dev 0

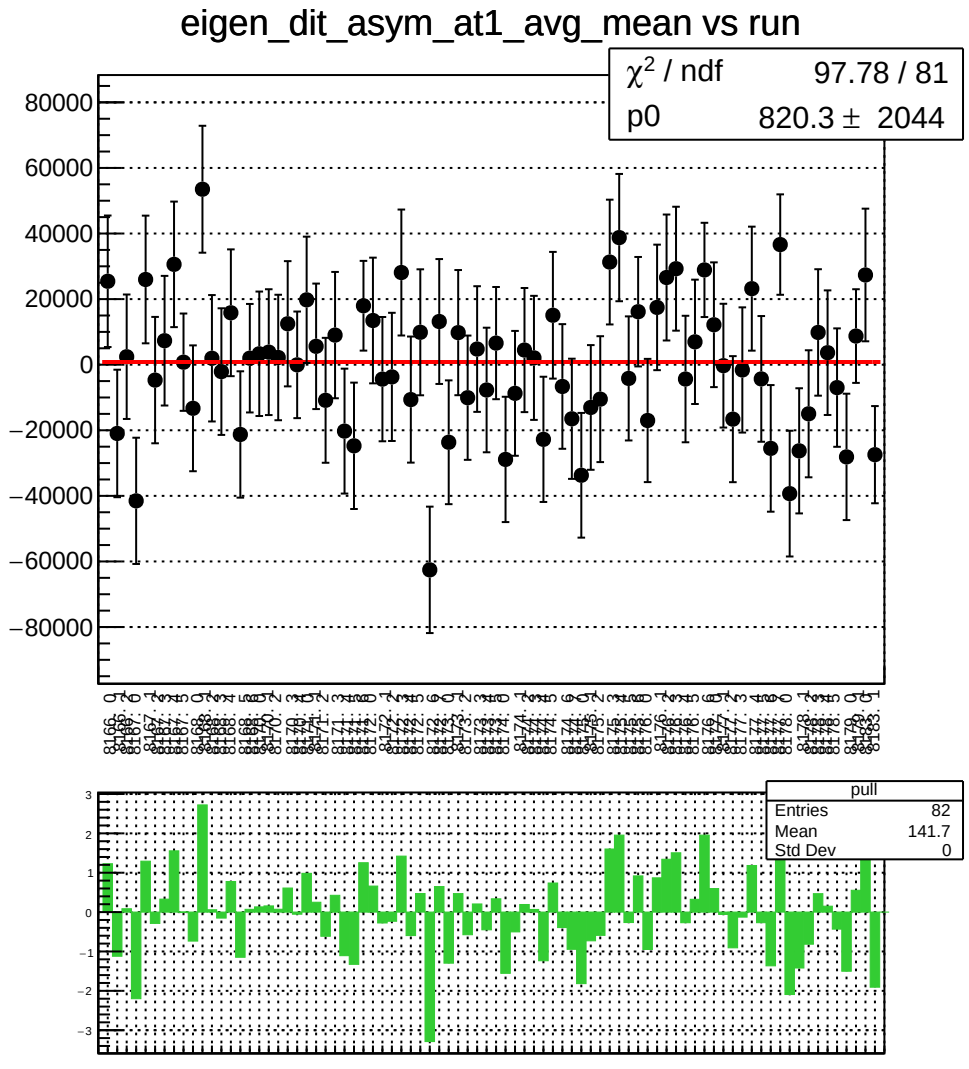

pull1D
Entries 82
Mean −0.01601
Std Dev 1.092

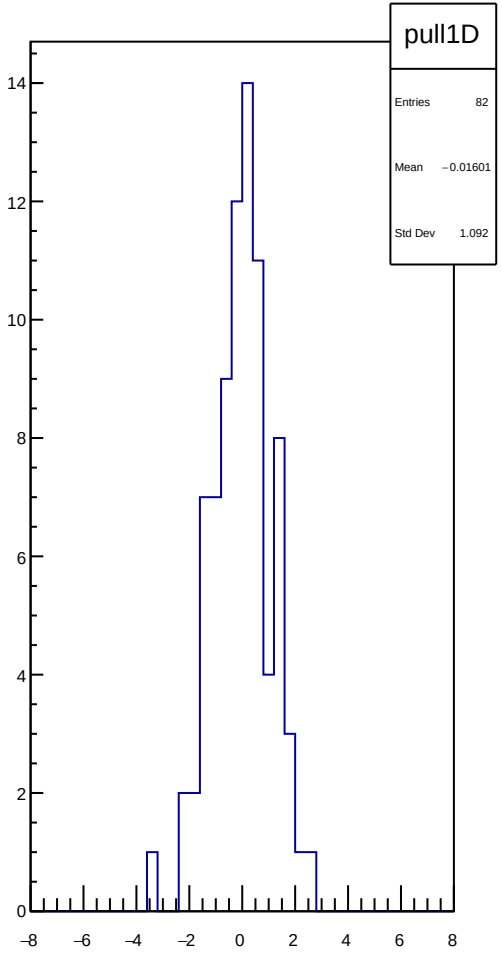

dit_asym_at1_avg_rms vs run
χ² / ndf 194.5 / 81
p0 1818 ± 1.445
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

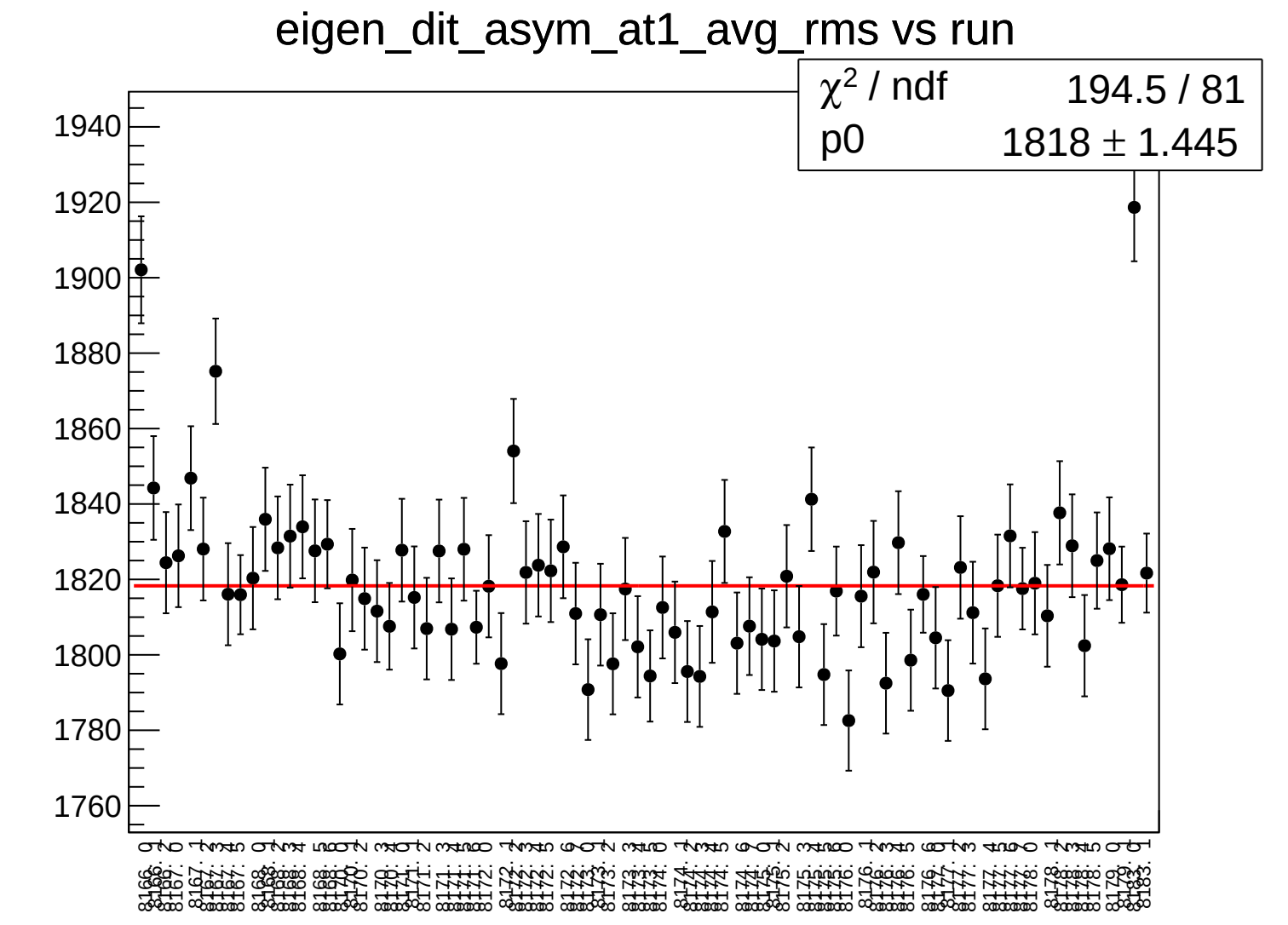

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 96.48 / 81
p0 −300.3 ± 1619
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −1919
Std Dev 0
2
1
0
−1
−2
−3

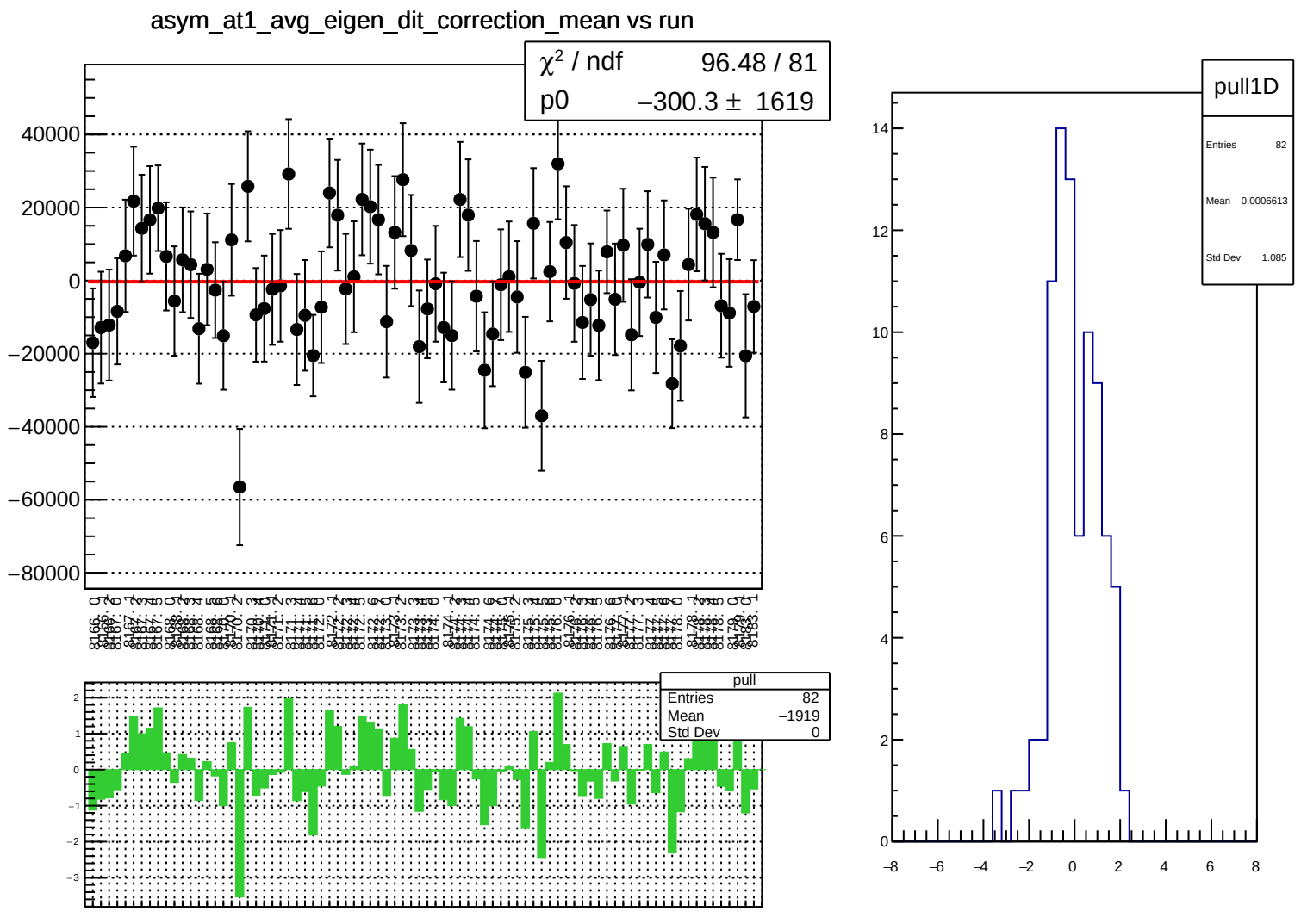

pull1D
Entries 82
Mean 0.0006613
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

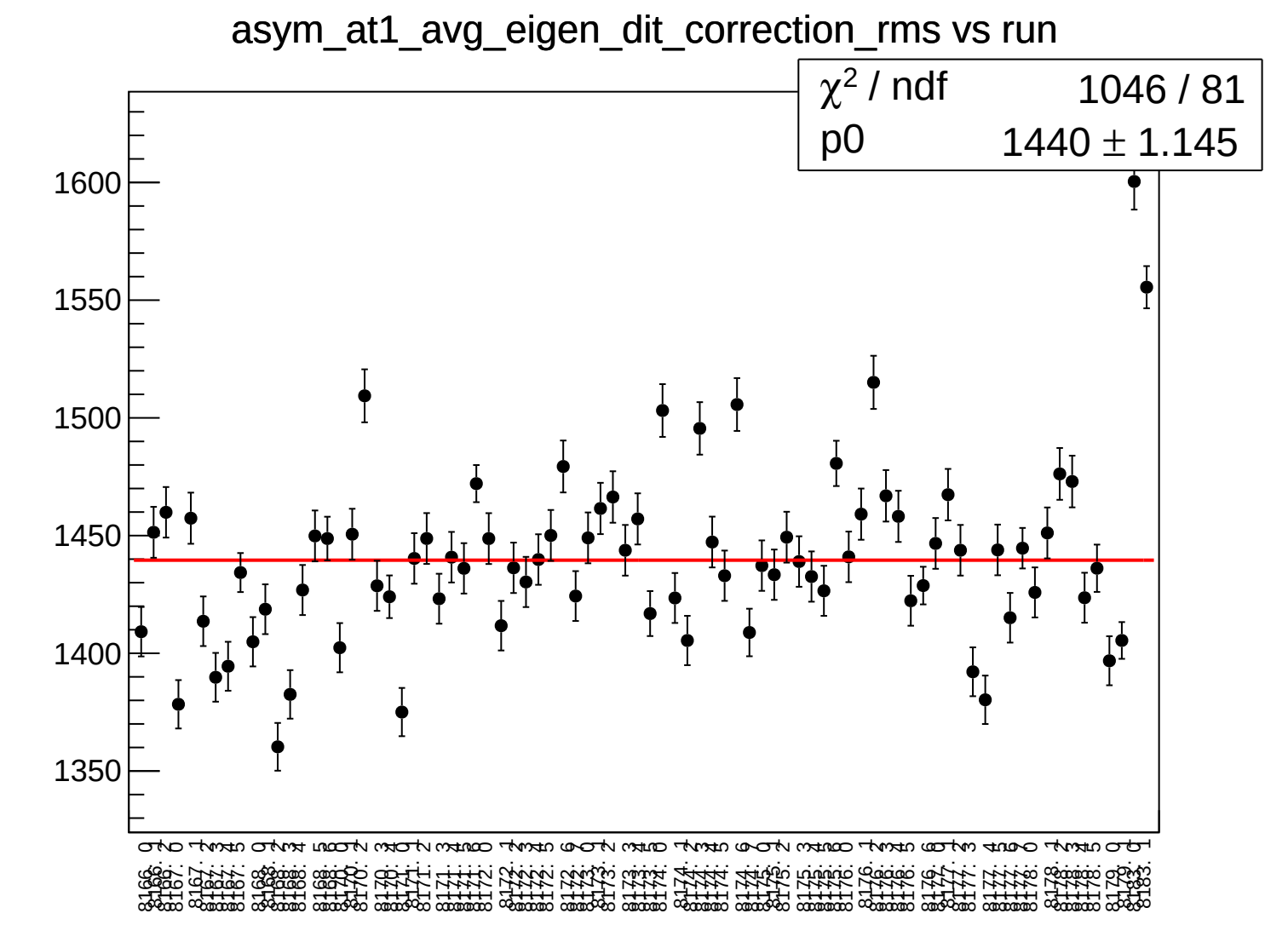

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 1046 / 81
p0 1440 ± 1.145
1600
1550
1500
1450
1400
1350

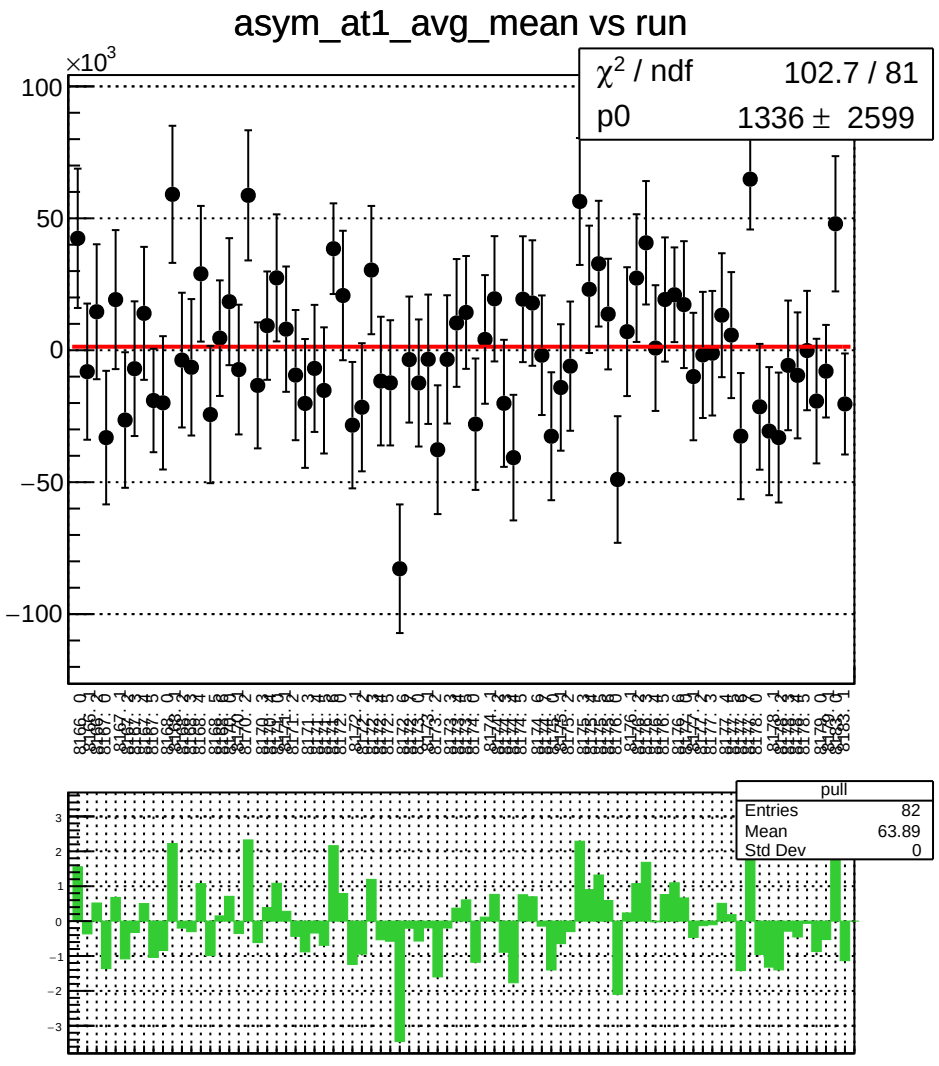

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 97.78 / 81
p0 820.3 ± 2044
pull
Entries 82
Mean 141.7
Std Dev 0

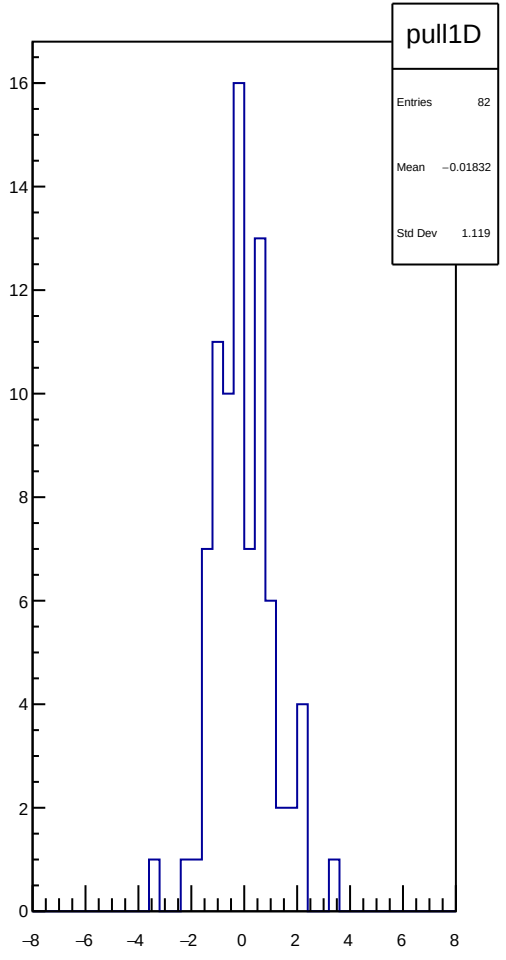

pull1D
Entries 82
Mean −0.01601
Std Dev 1.092

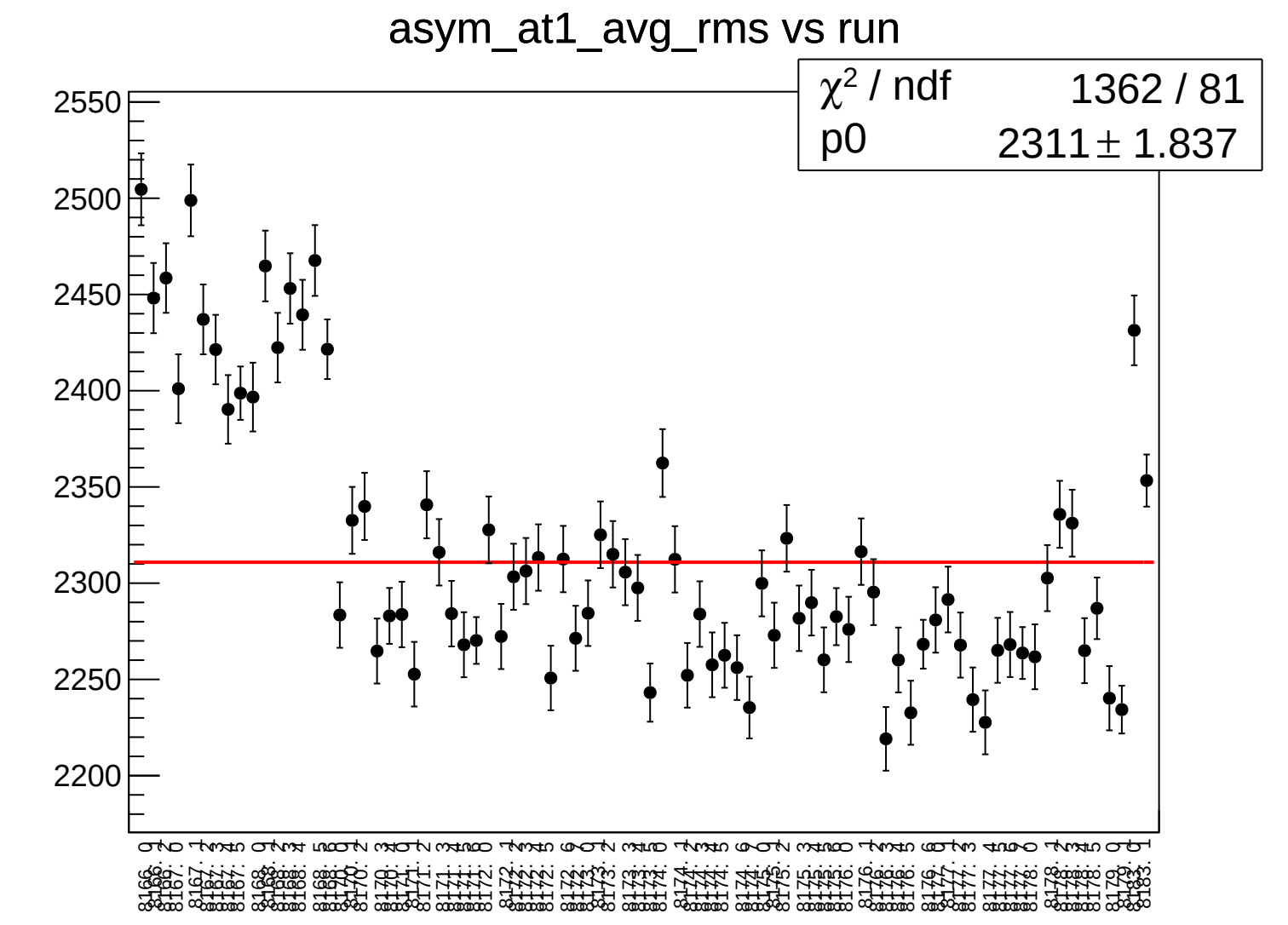

eigen_dit_asym_at1_avg_rms vs run
χ^2 / ndf 194.5 / 81
p0 1818 ± 1.445
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

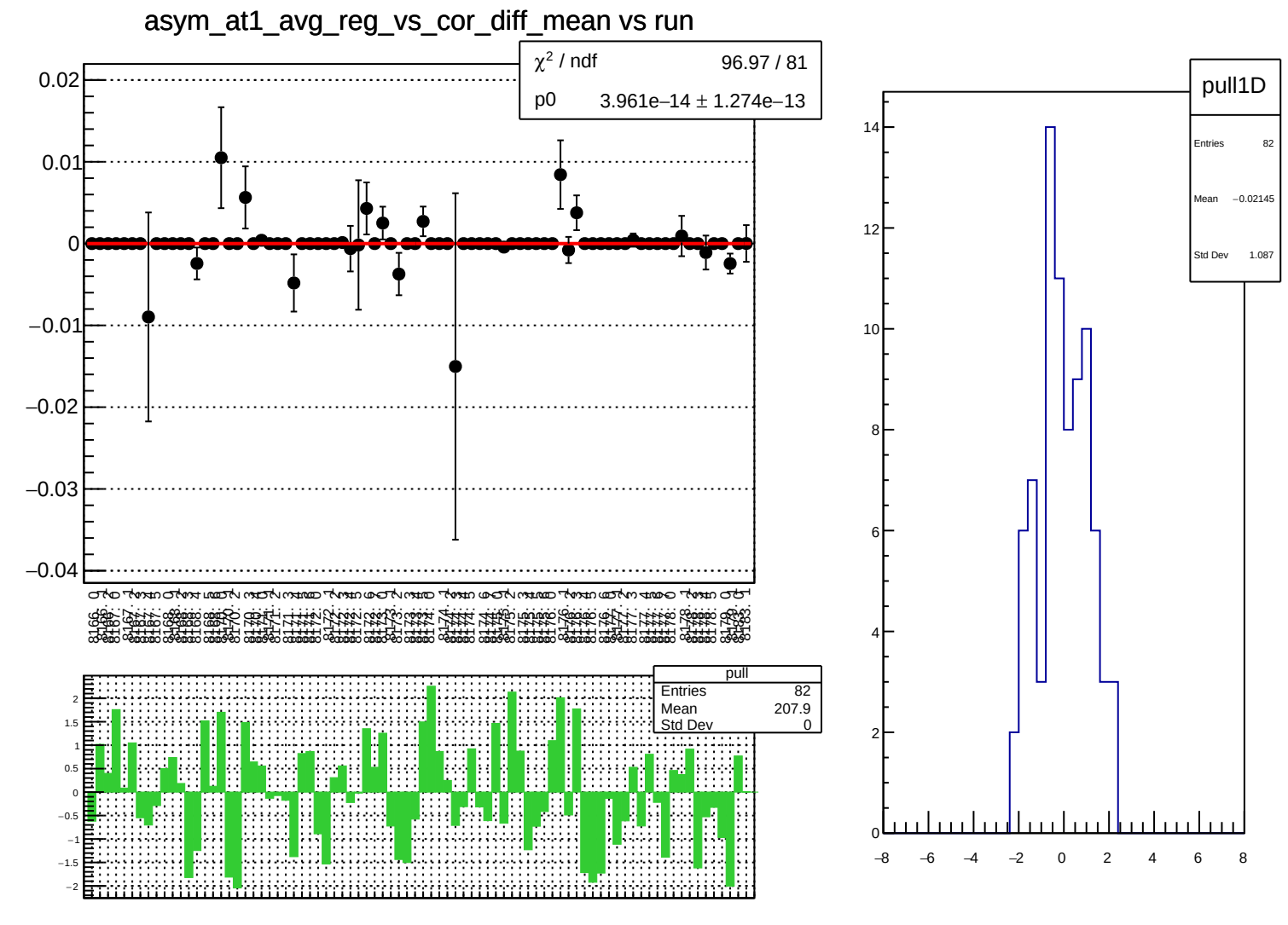

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 96.48 / 81
p0 −300.3 ± 1619
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −1919
Std Dev 0
pull1D
Entries 82
Mean 0.0006613
Std Dev 1.085

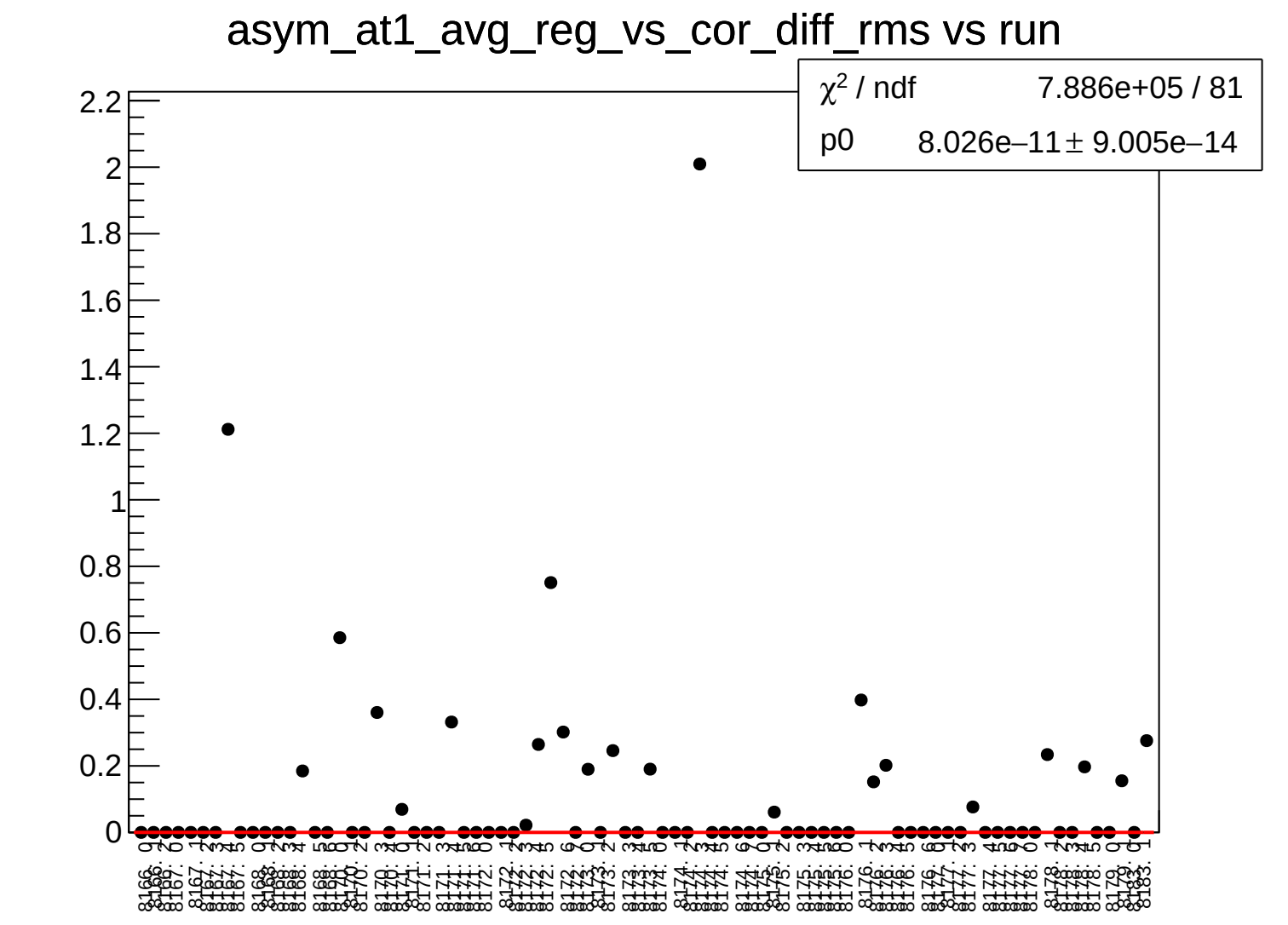

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1046 / 81
p0 1440 ± 1.145
1600
1550
1500
1450
1400
1350

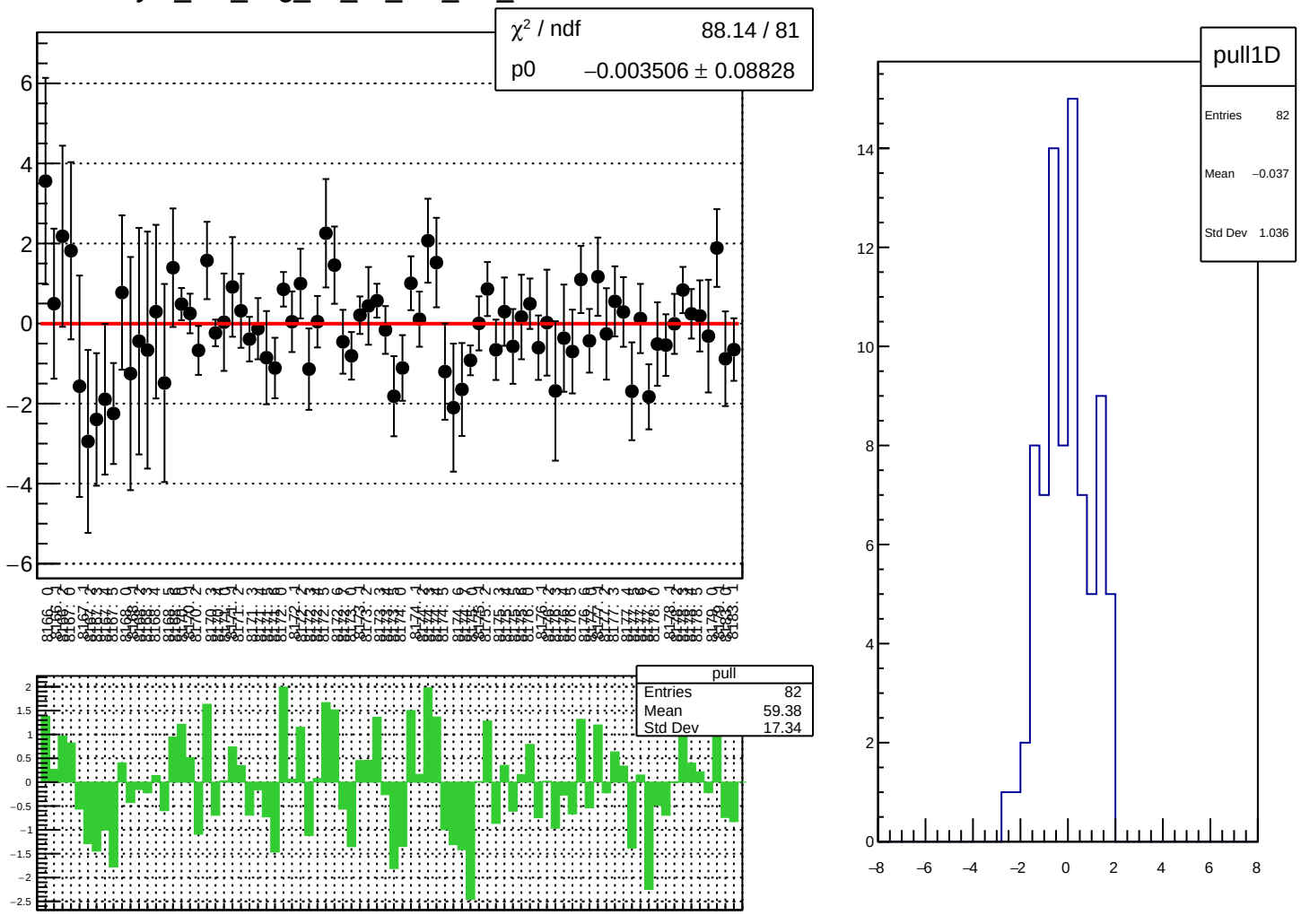

asym_at1_avg_mean vs run
×10^3
χ² / ndf 102.7 / 81
p0 1336 ± 2599
100
50
0
−50
−100
pull
Entries 82
Mean 63.89
Std Dev 0
3
2
1
0
−1
−2
−3

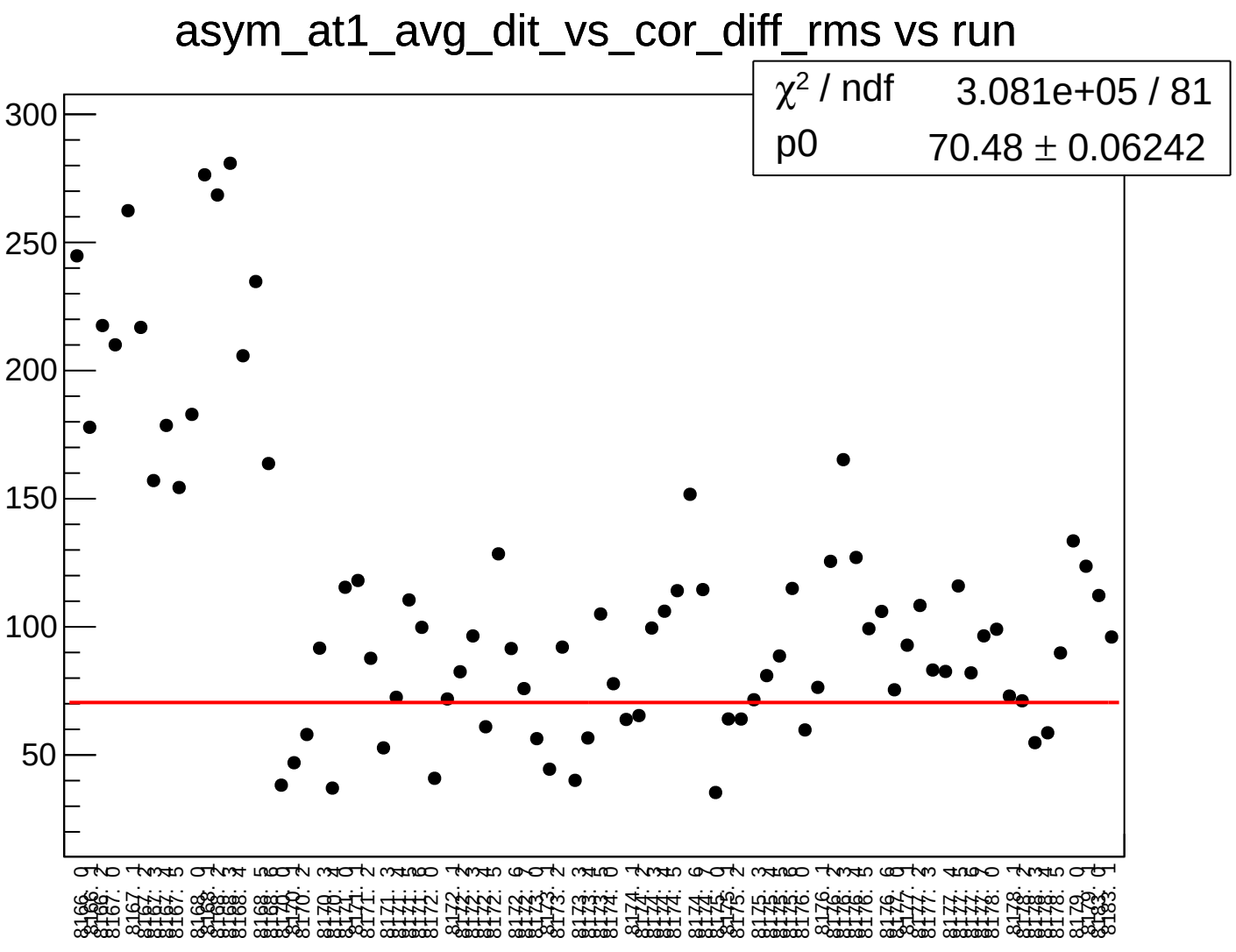

pull1D
Entries 82
Mean −0.01832
Std Dev 1.119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

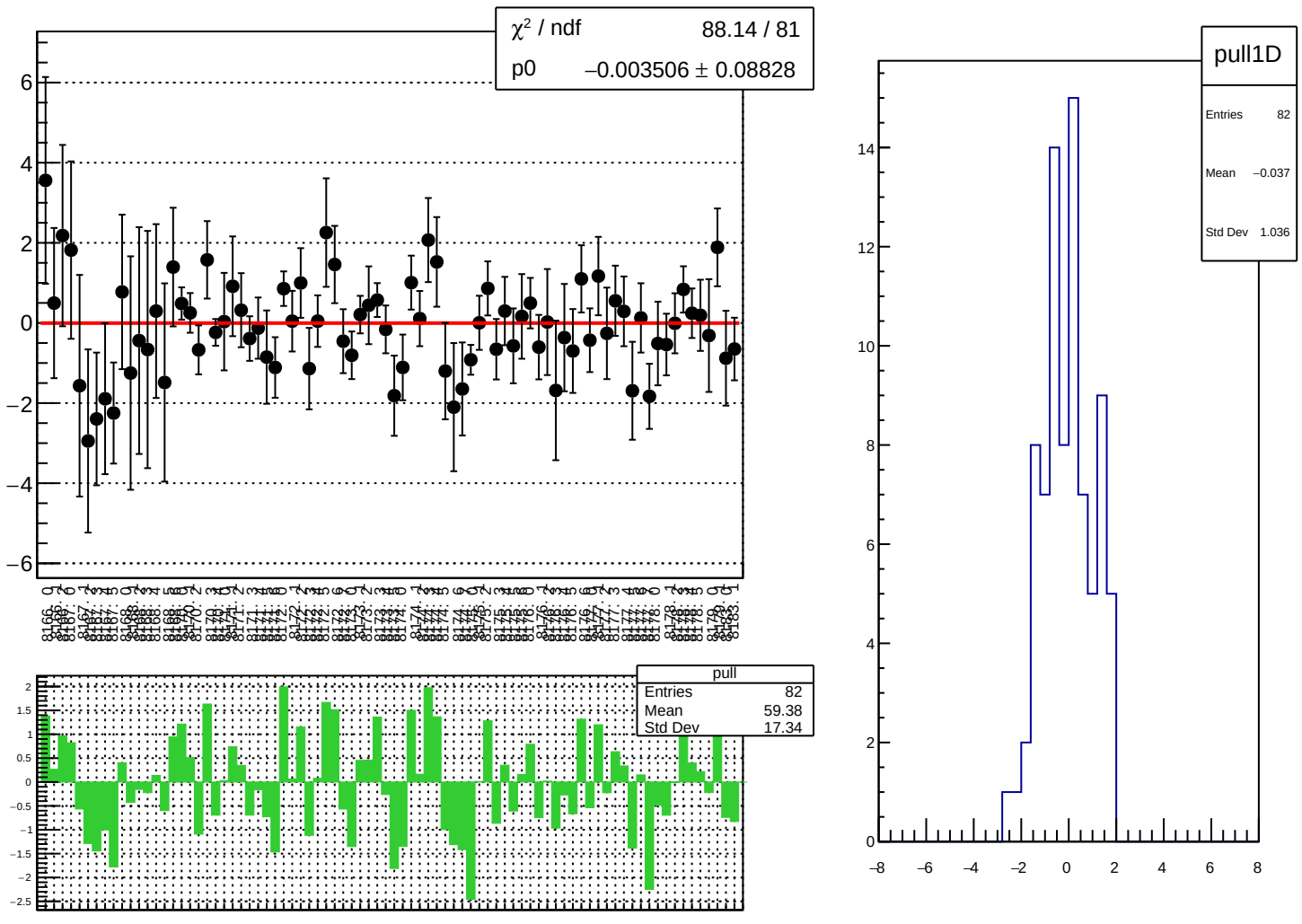

asym_at1_avg_rms vs run
χ^2 / ndf 1362 / 81
p0 2311 ± 1.837
2550
2500
2450
2400
2350
2300
2250
2200

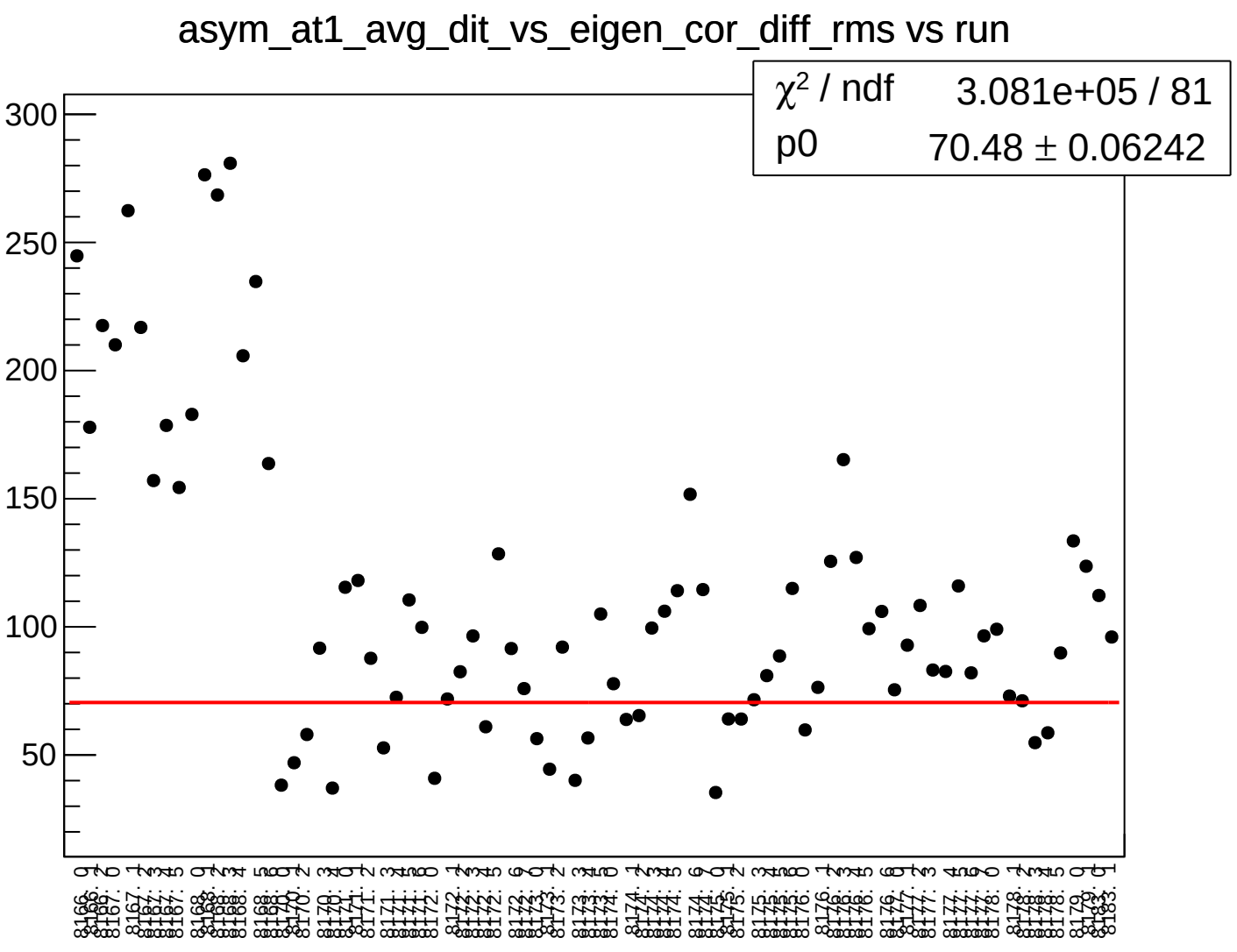

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 96.97 / 81
p0 3.961e−14 ± 1.274e−13
pull
Entries 82
Mean 207.9
Std Dev 0
pull1D
Entries 82
Mean −0.02145
Std Dev 1.087

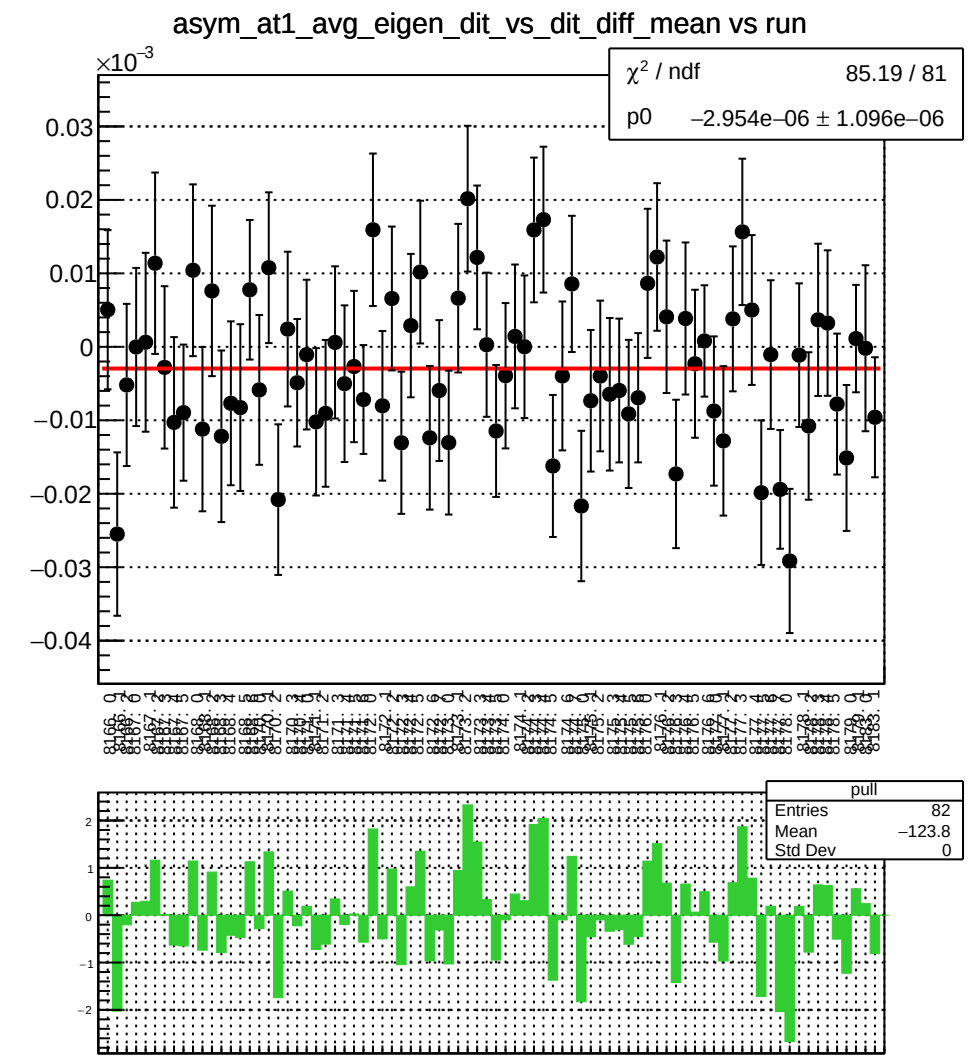

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.886e+05 / 81
p0 8.026e−11 ± 9.005e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

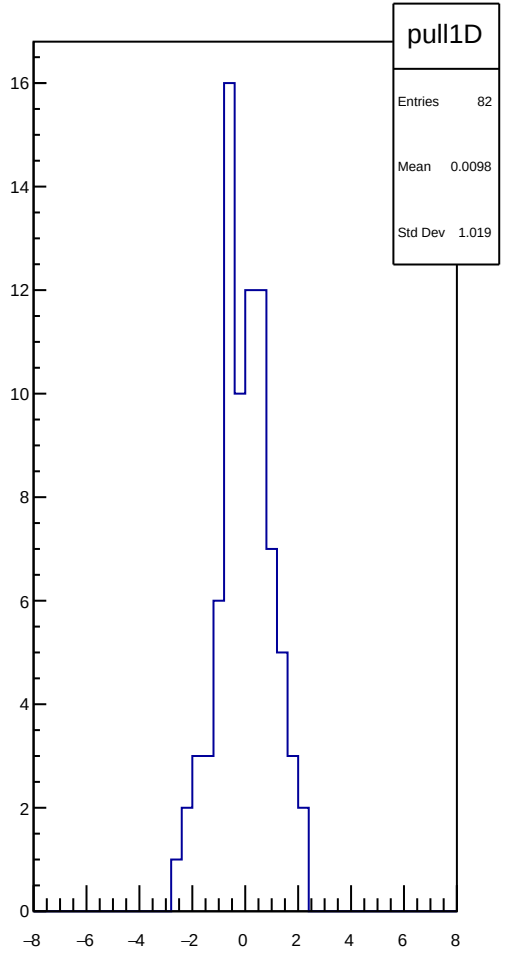

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.14 / 81
p0 −0.003506 ± 0.08828
pull
Entries 82
Mean 59.38
Std Dev 17.34
pull1D
Entries 82
Mean −0.037
Std Dev 1.036

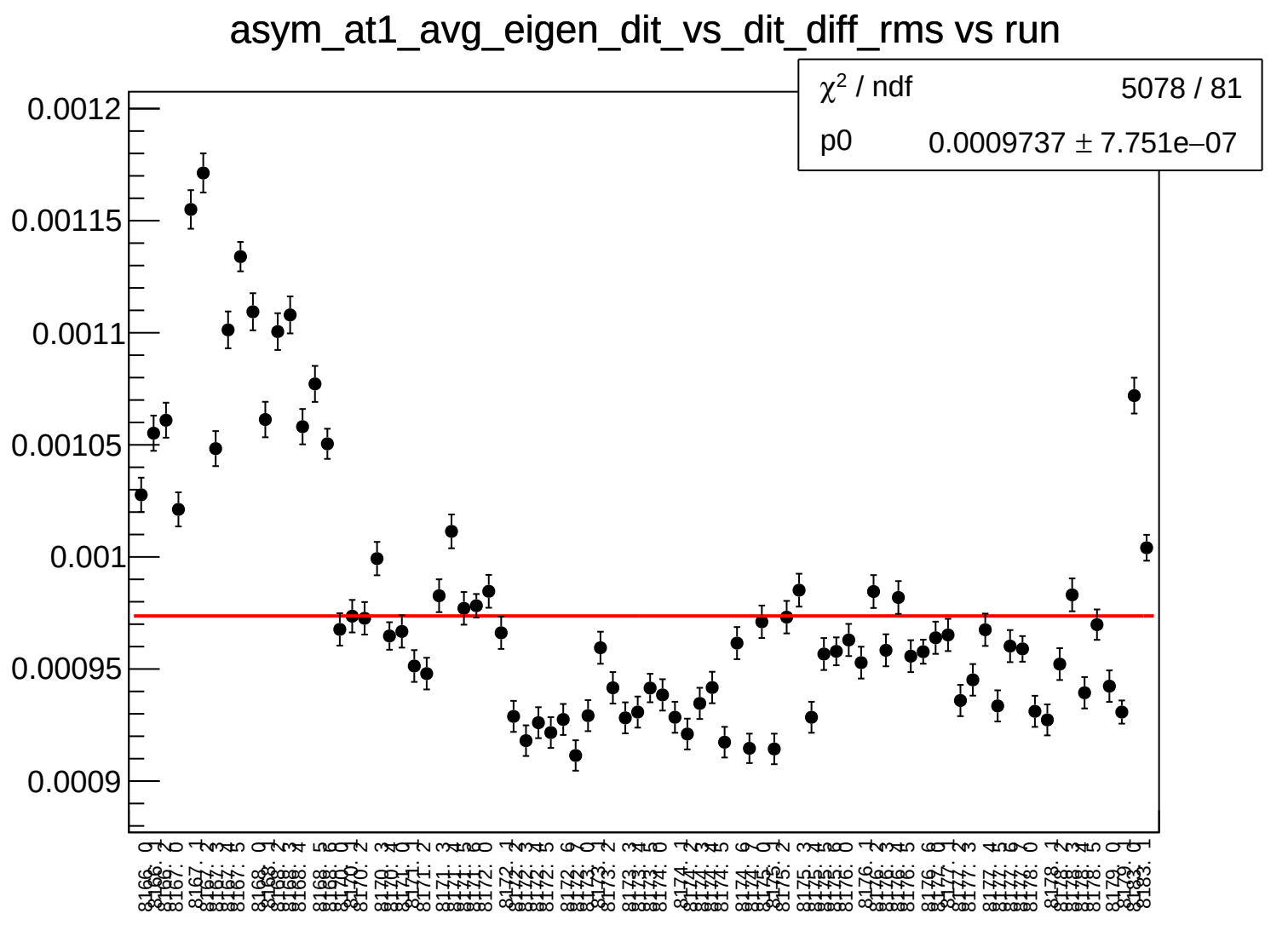

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.081e+05 / 81
p0 70.48 ± 0.06242
300
250
200
150
100
50

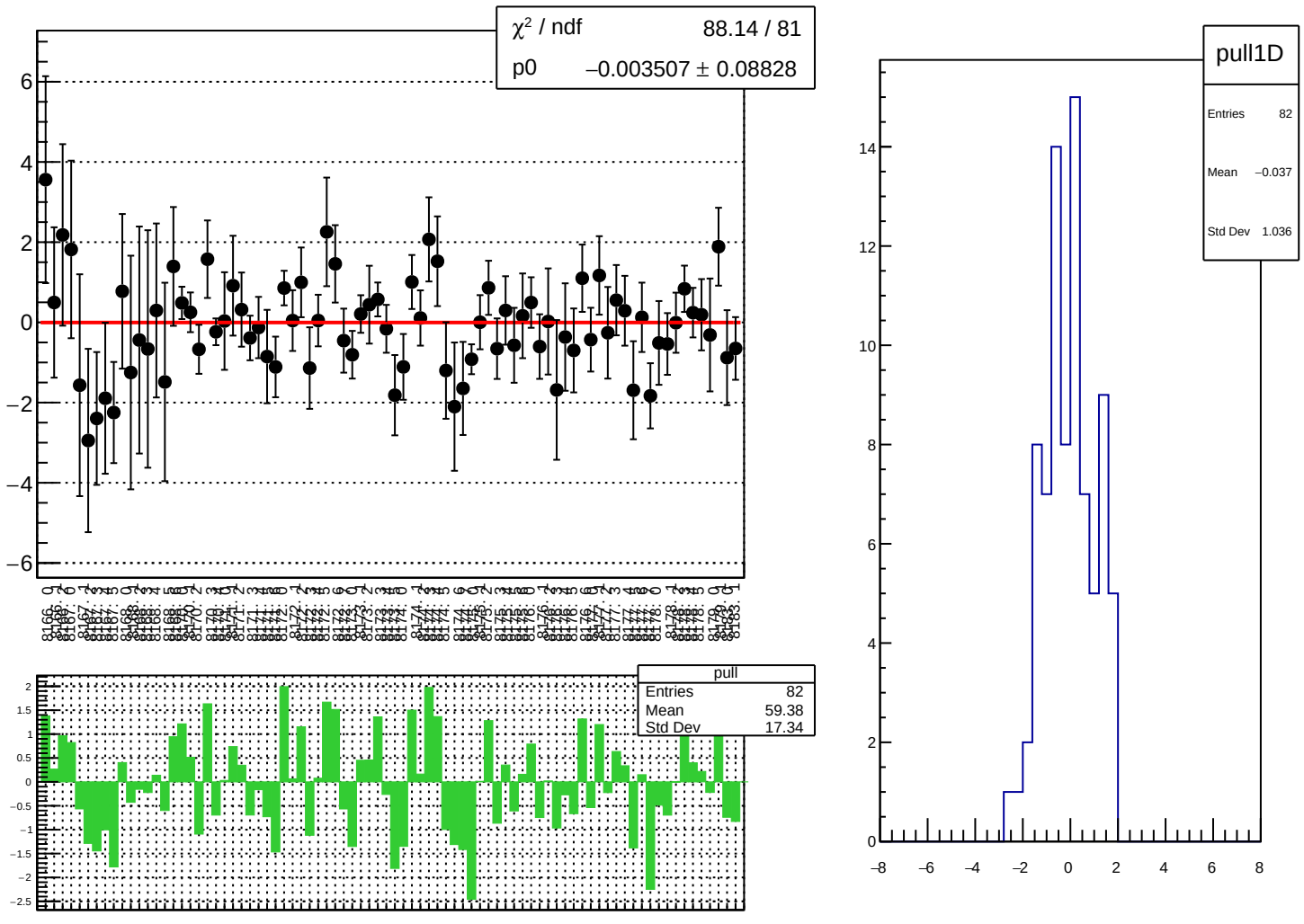

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.14 / 81
p0 −0.003506 ± 0.08828
pull
Entries 82
Mean 59.38
Std Dev 17.34
pull1D
Entries 82
Mean −0.037
Std Dev 1.036

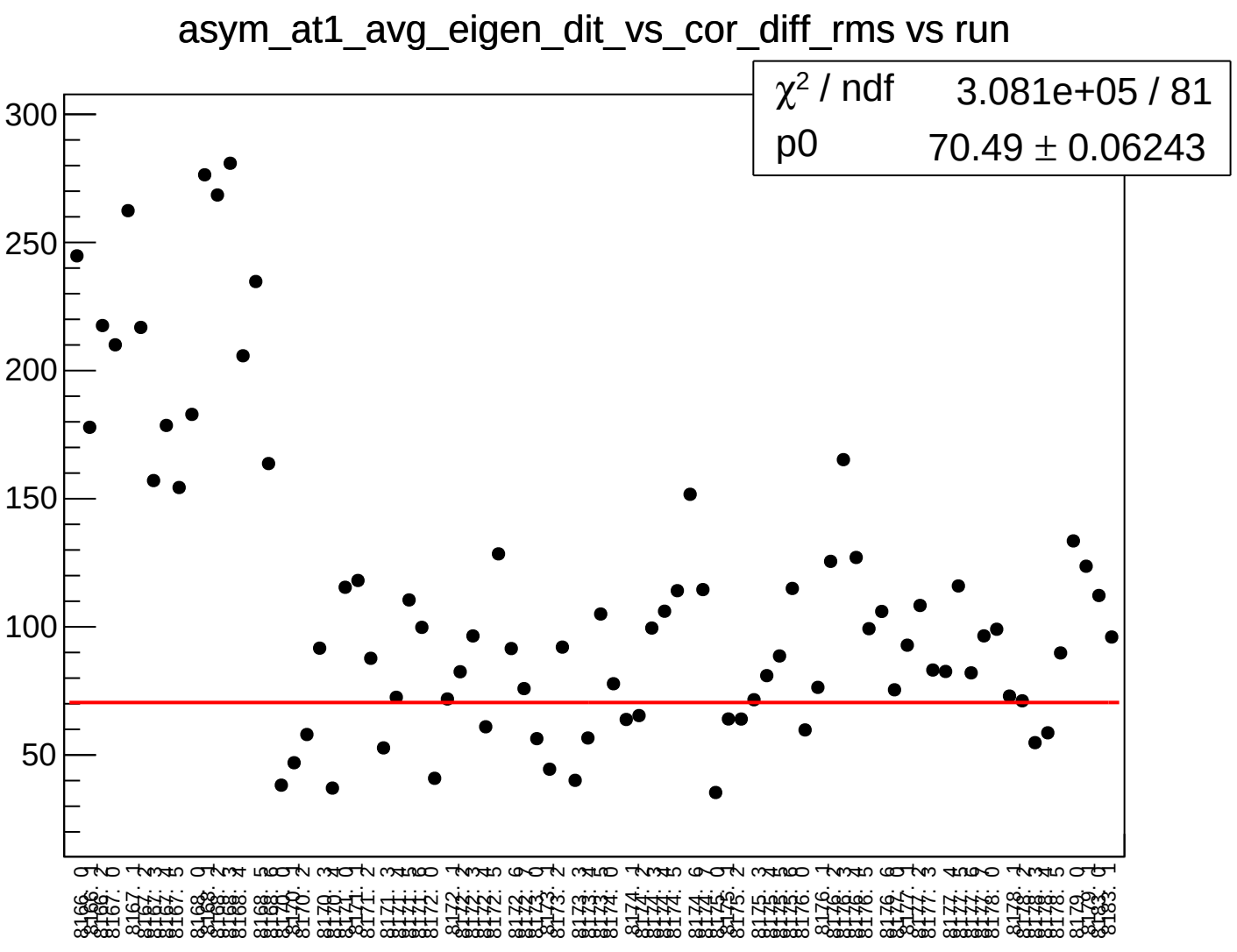

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.081e+05 / 81
p0 70.48 ± 0.06242
300
250
200
150
100
50

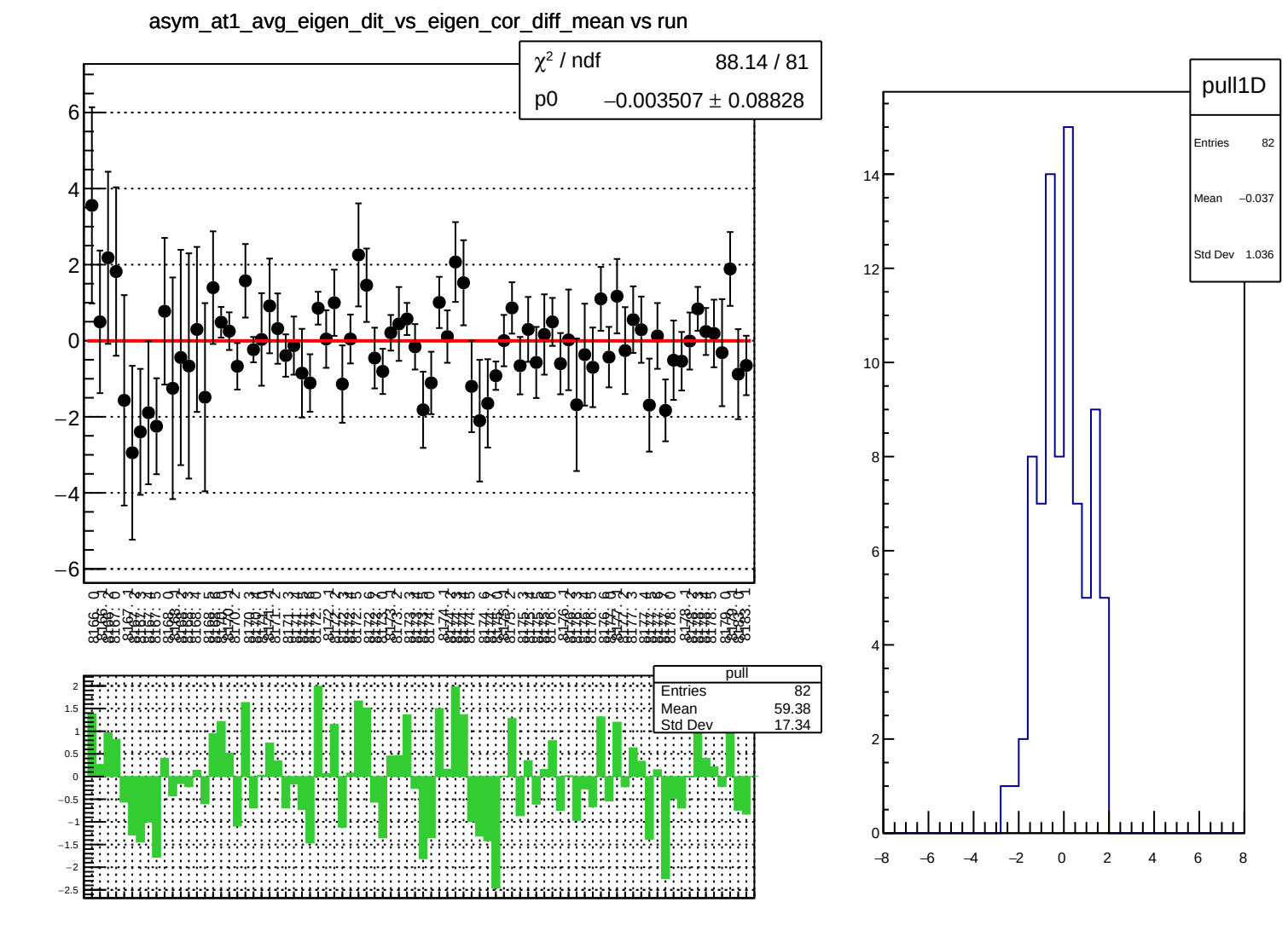

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10−3
χ2 / ndf 85.19 / 81
p0 −2.954e−06 ± 1.096e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 82
Mean −123.8
Std Dev 0
2
1
0
−1
−2

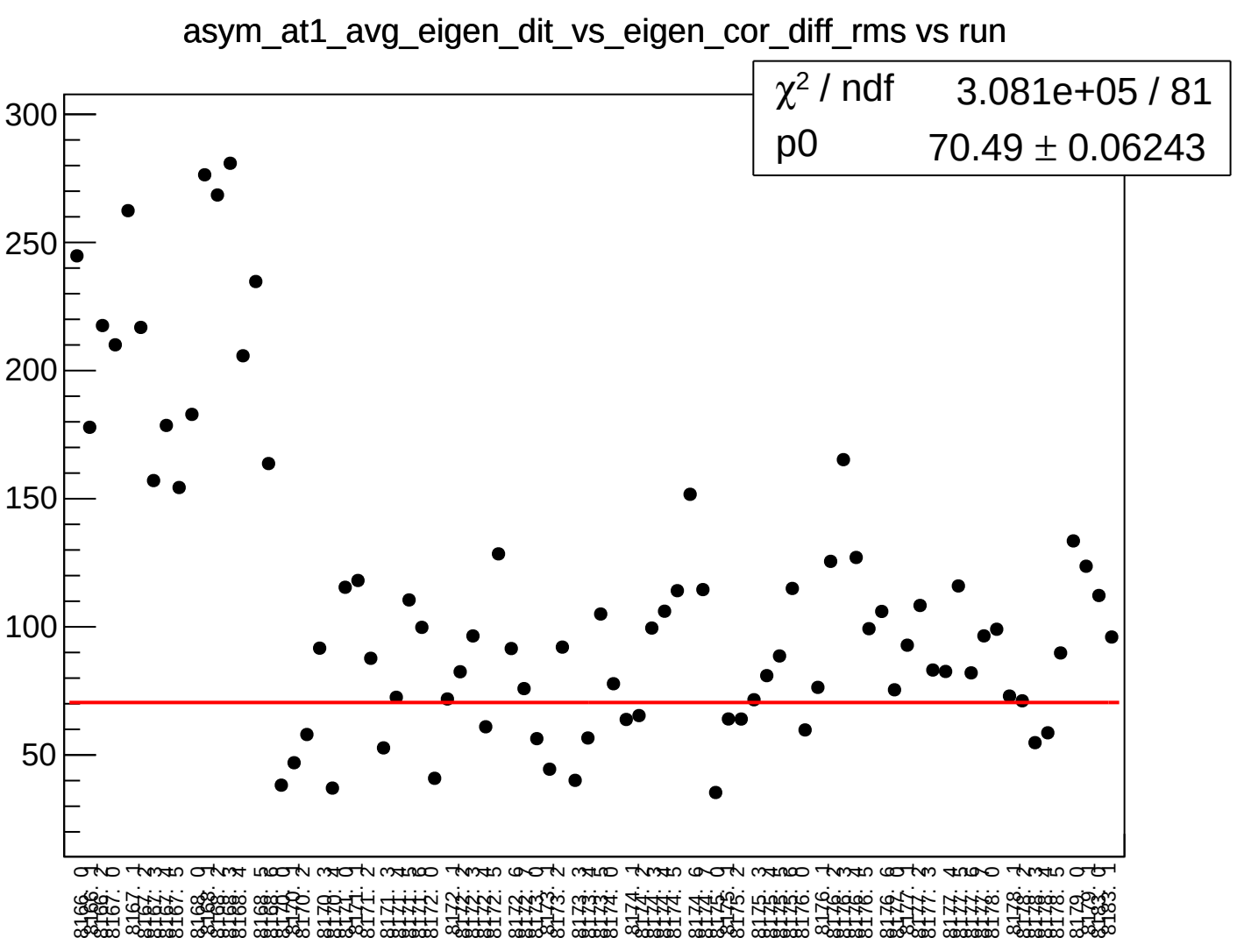

pull1D
Entries 82
Mean 0.0098
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

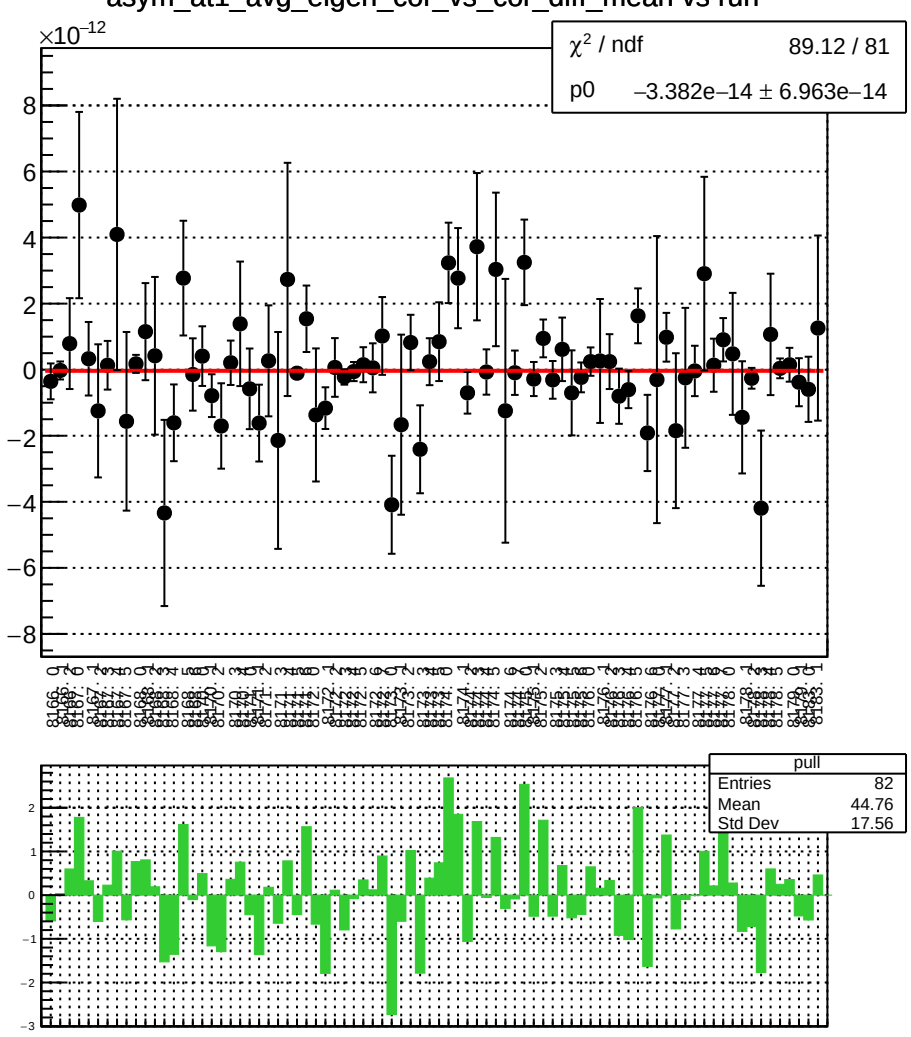

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5078 / 81
p0 0.0009737 ± 7.751e−07
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009

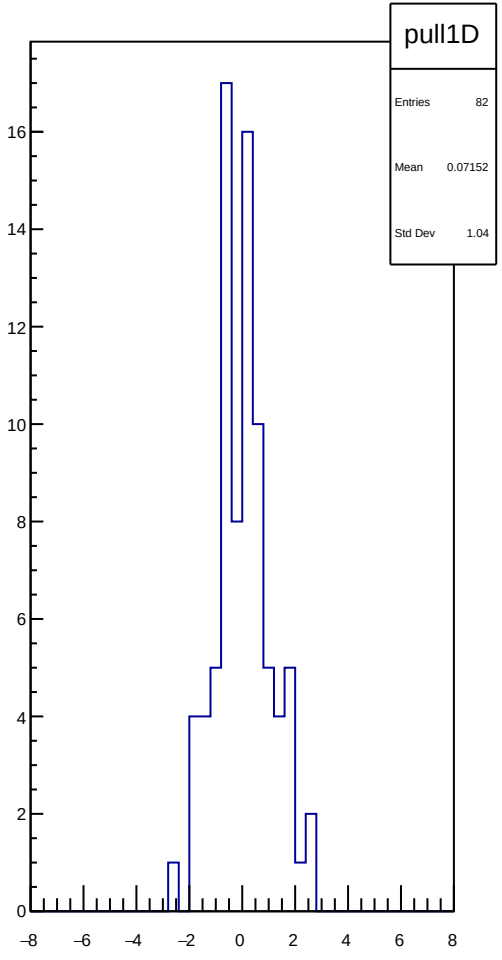

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.14 / 81
p0 −0.003507 ± 0.08828
pull
Entries 82
Mean 59.38
Std Dev 17.34
pull1D
Entries 82
Mean −0.037
Std Dev 1.036

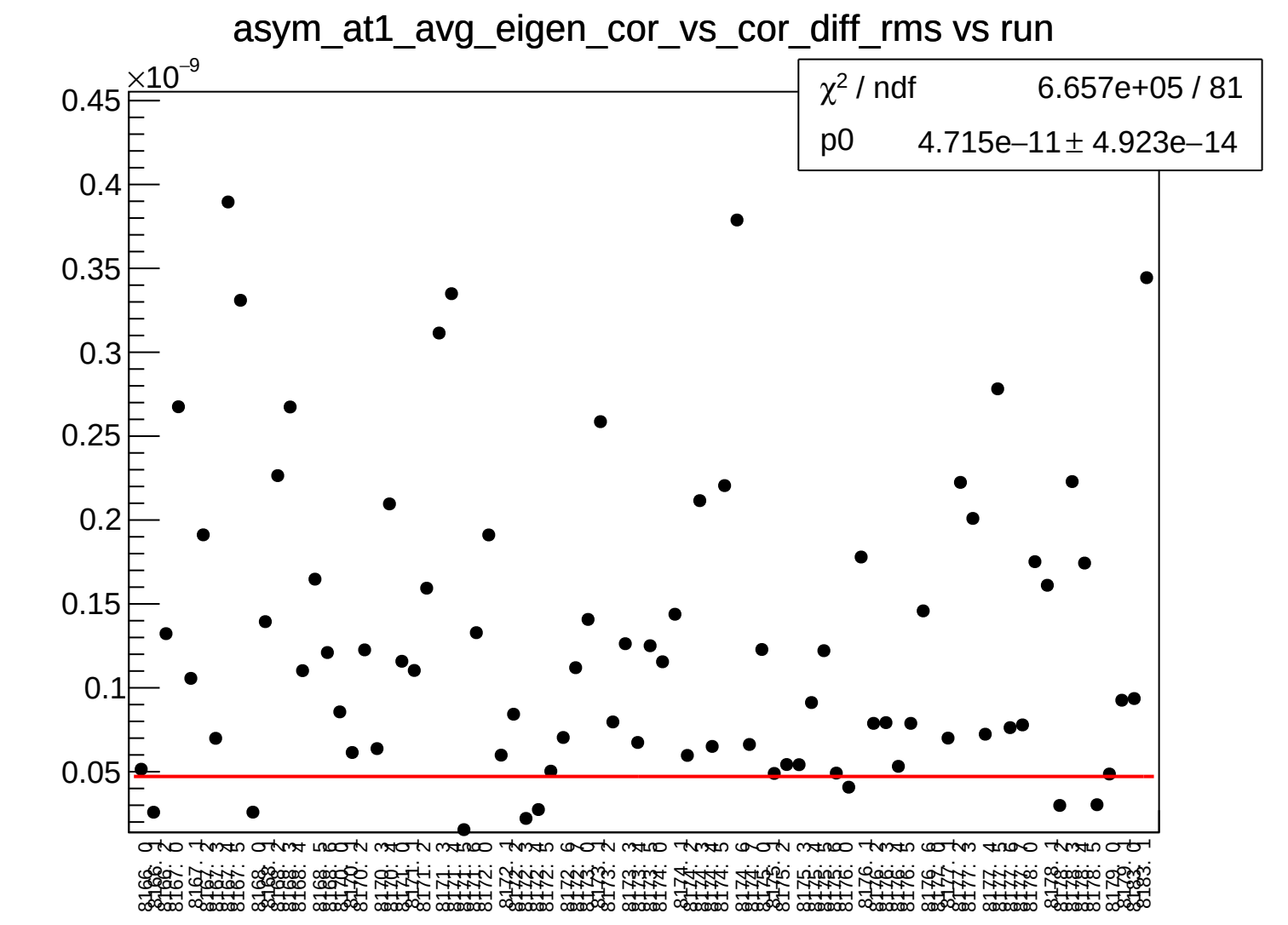

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.081e+05 / 81
p0 70.49 ± 0.06243
300
250
200
150
100
50

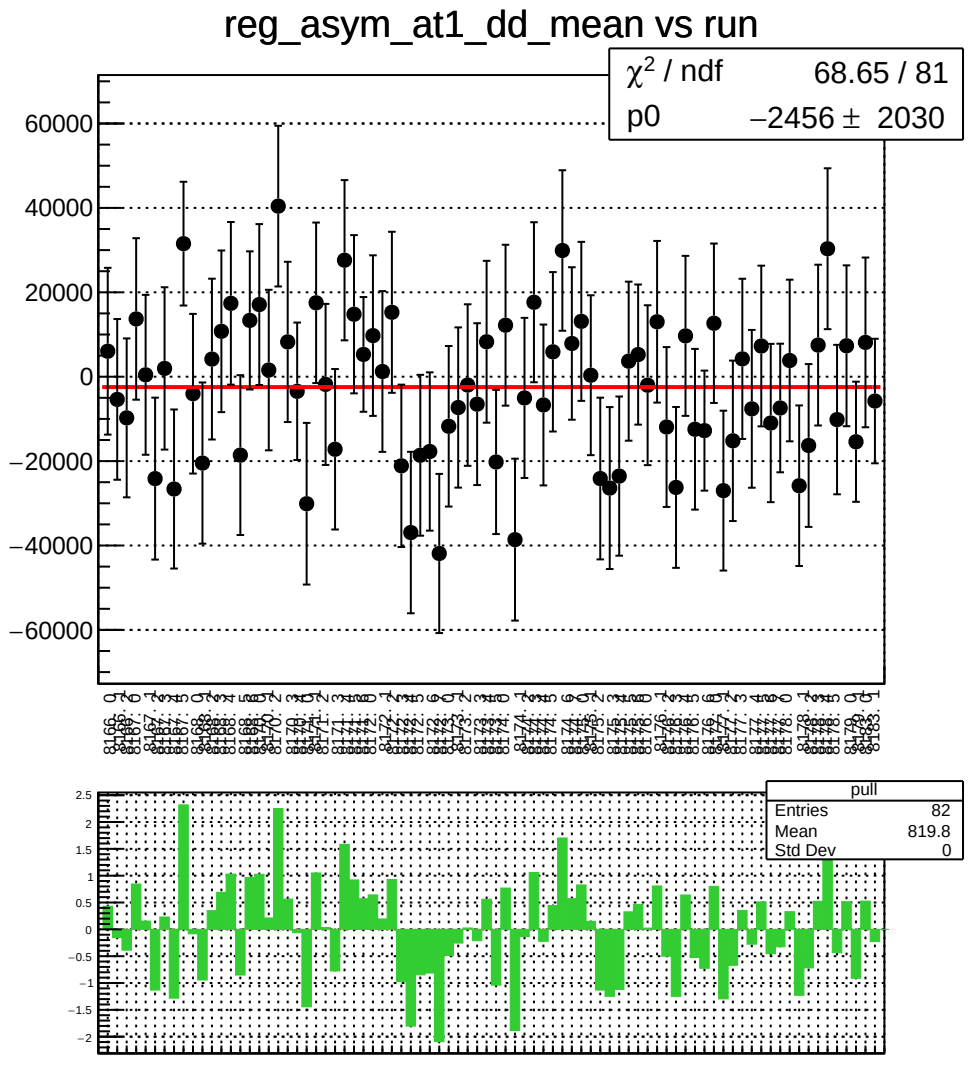

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.14 / 81
p0 −0.003507 ± 0.08828
pull
Entries 82
Mean 59.38
Std Dev 17.34
pull1D
Entries 82
Mean −0.037
Std Dev 1.036

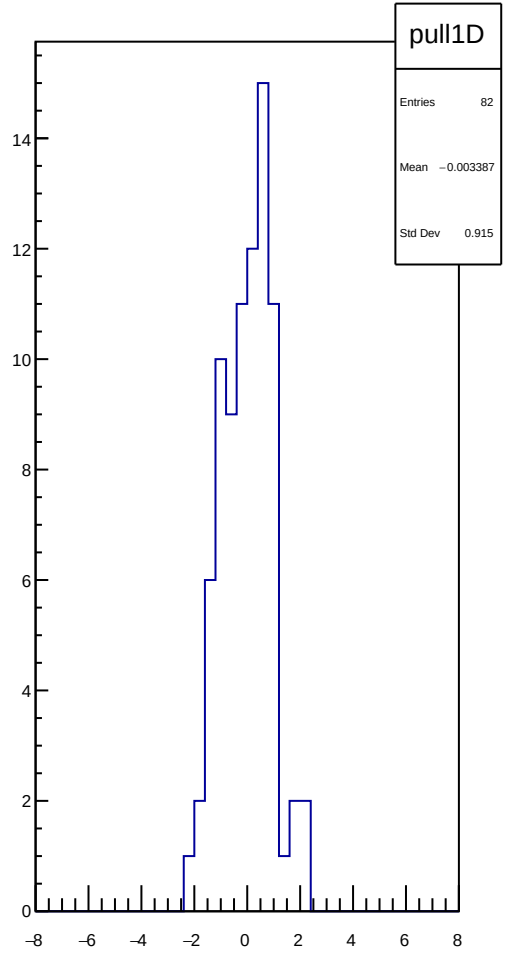

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.081e+05 / 81
p0 70.49 ± 0.06243
300
250
200
150
100
50

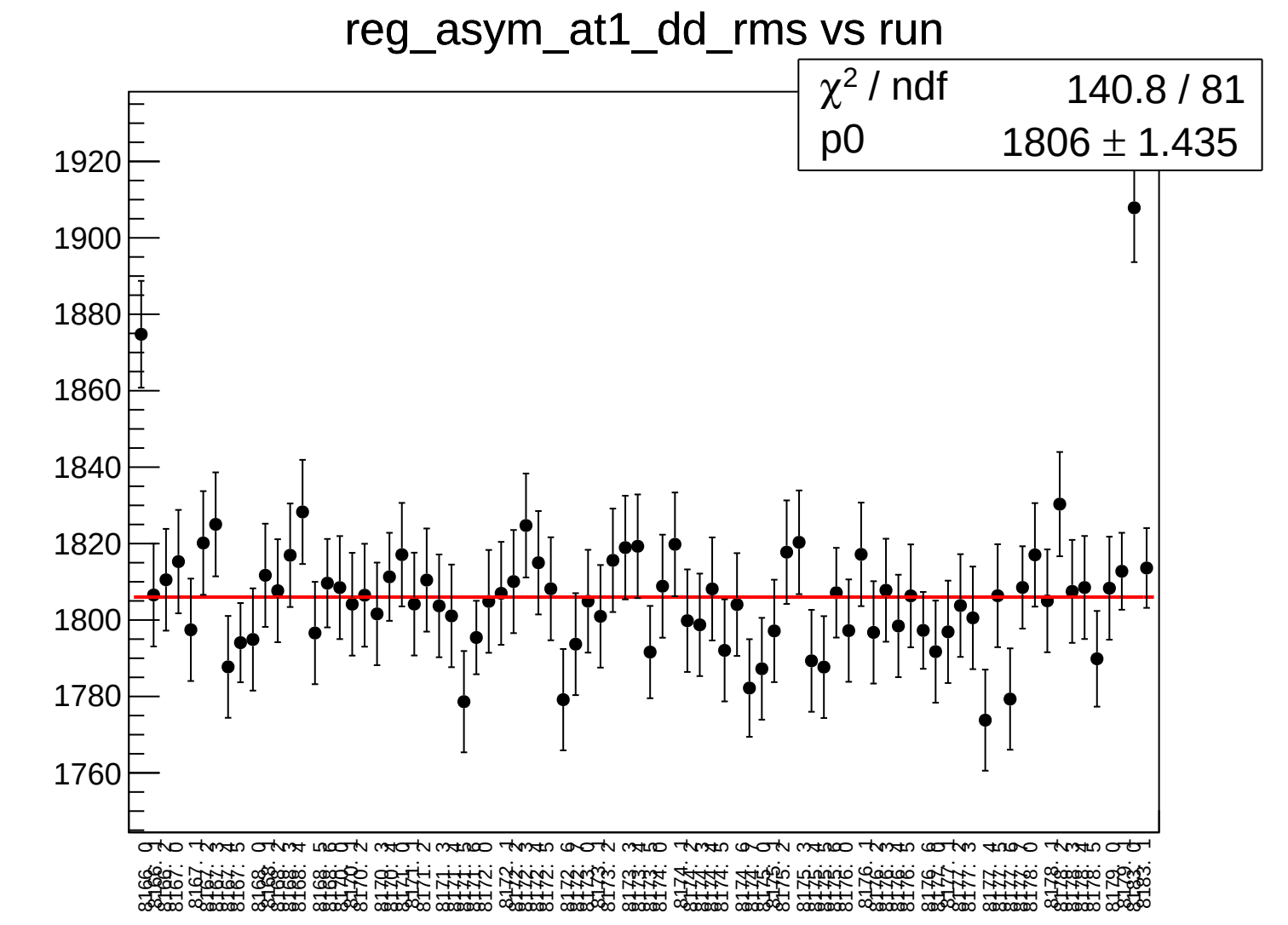

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.12 / 81
p0 −3.382e−14 ± 6.963e−14
pull
Entries 82
Mean 44.76
Std Dev 17.56

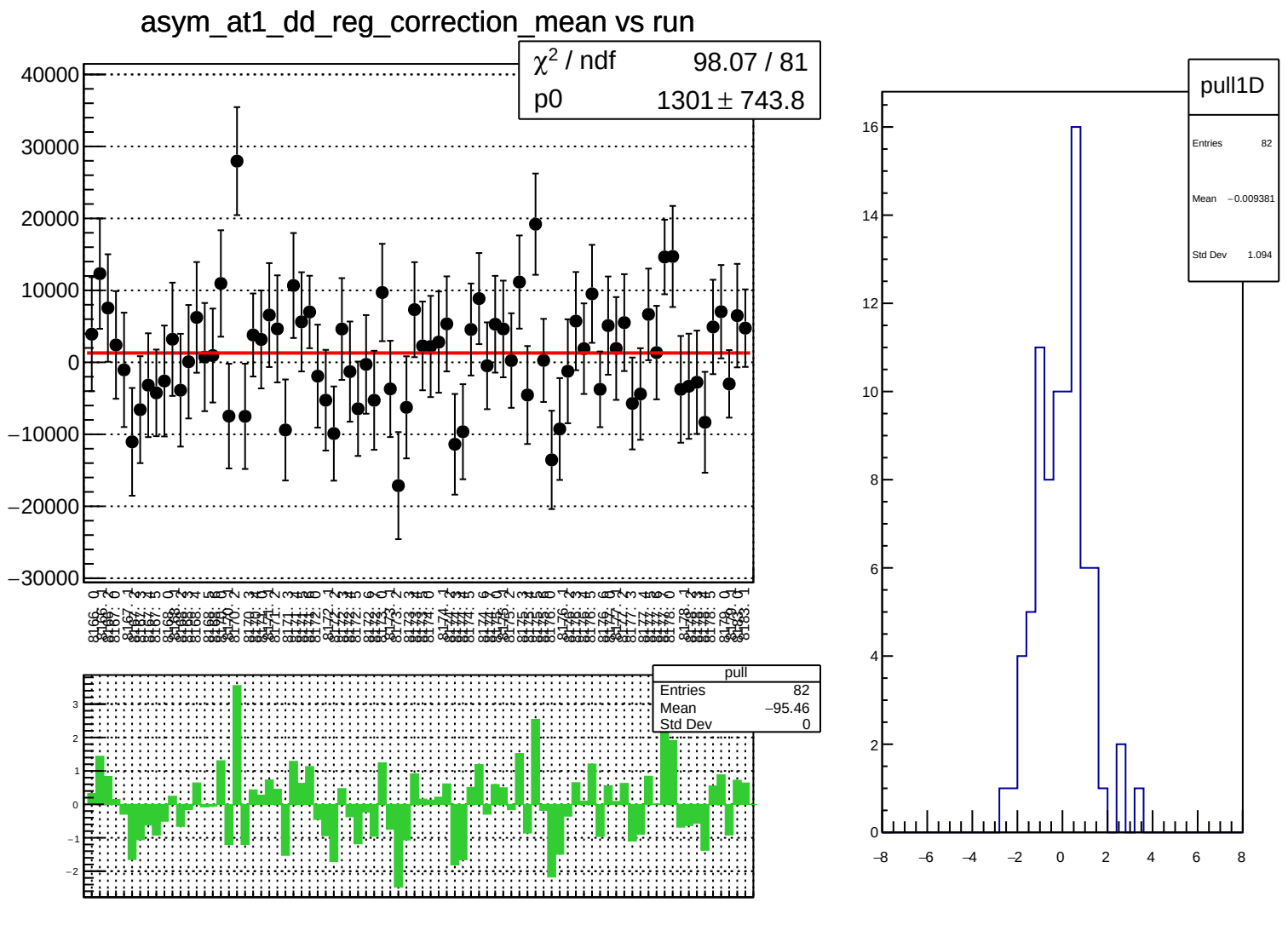

pull1D
Entries 82
Mean 0.07152
Std Dev 1.04

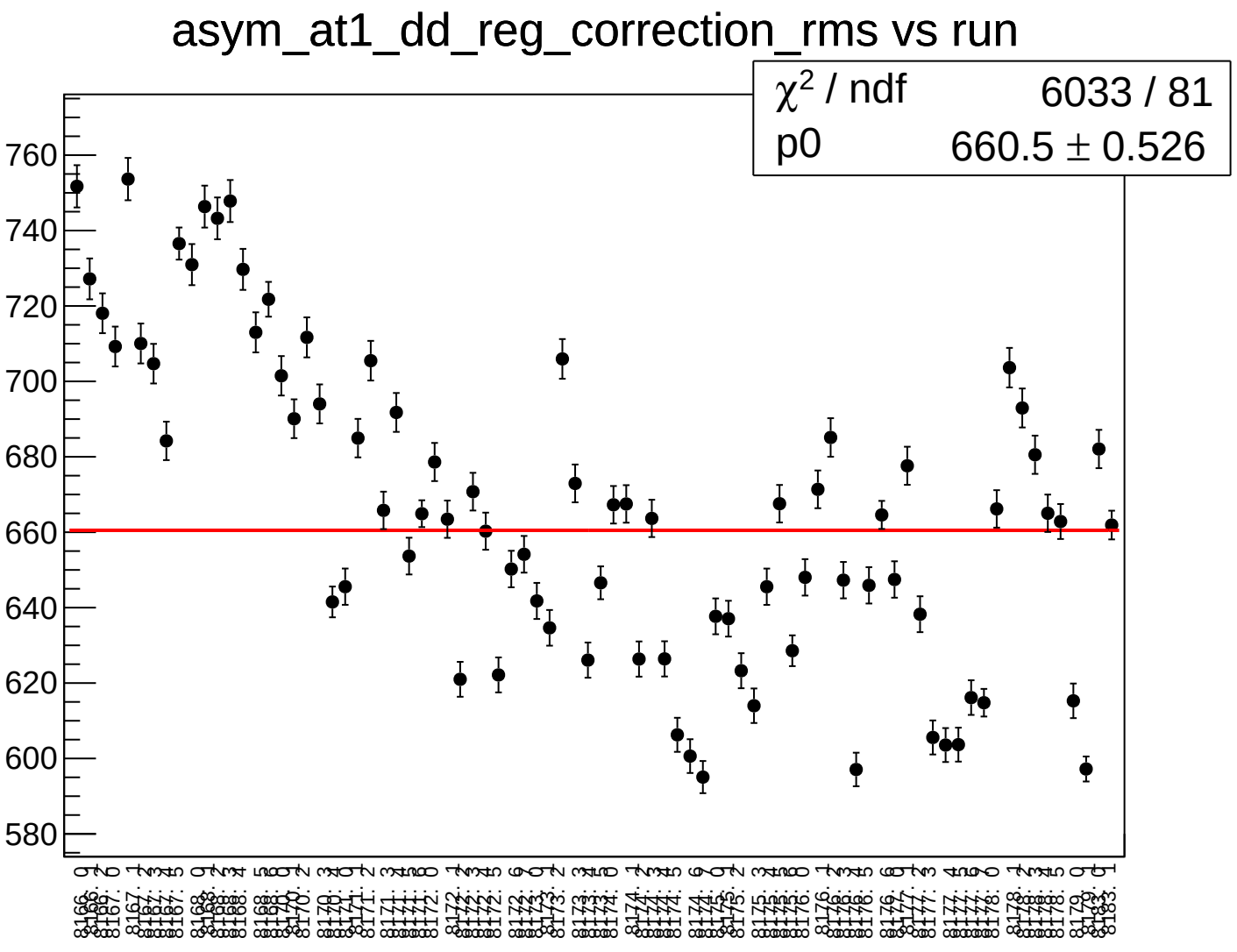

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.657e+05 / 81
p0 4.715e−11 ± 4.923e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

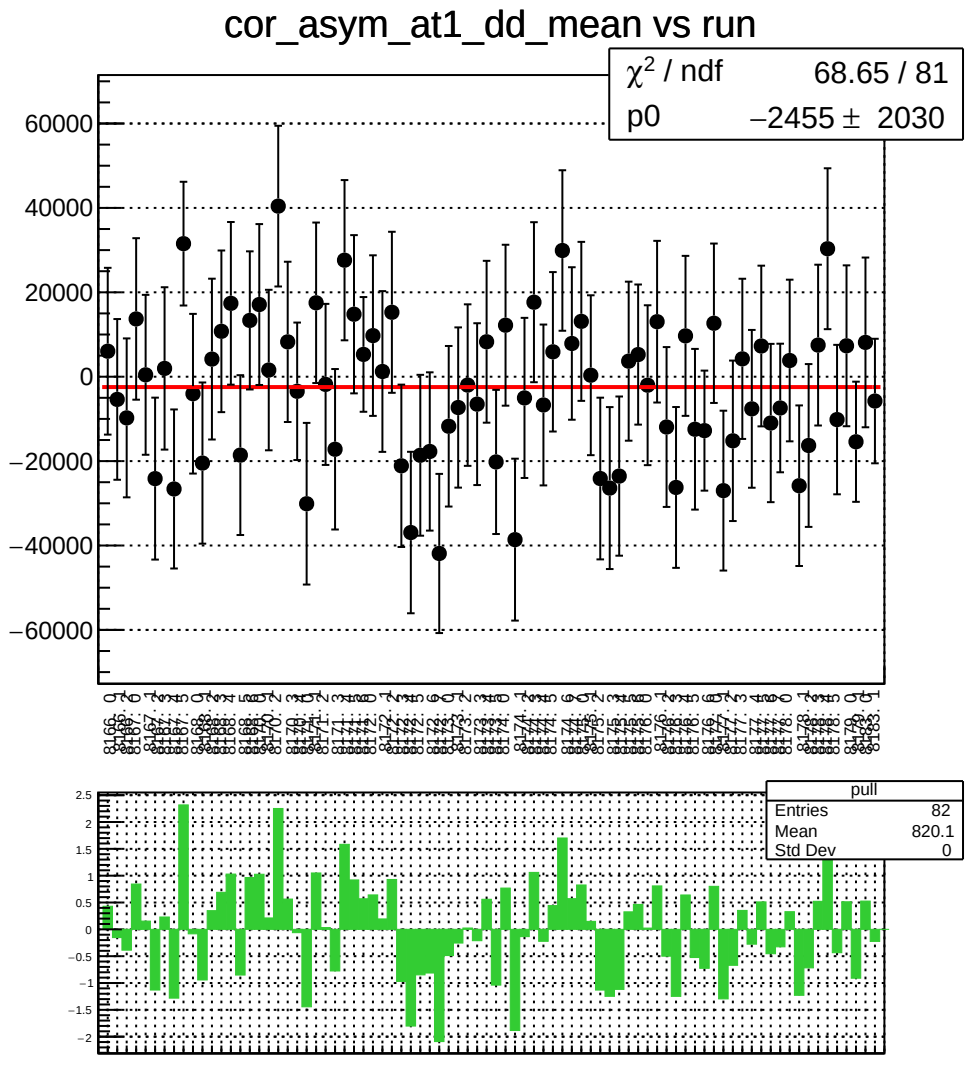

reg_asym_at1_dd_mean vs run
χ² / ndf 68.65 / 81
p0 −2456 ± 2030
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 819.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

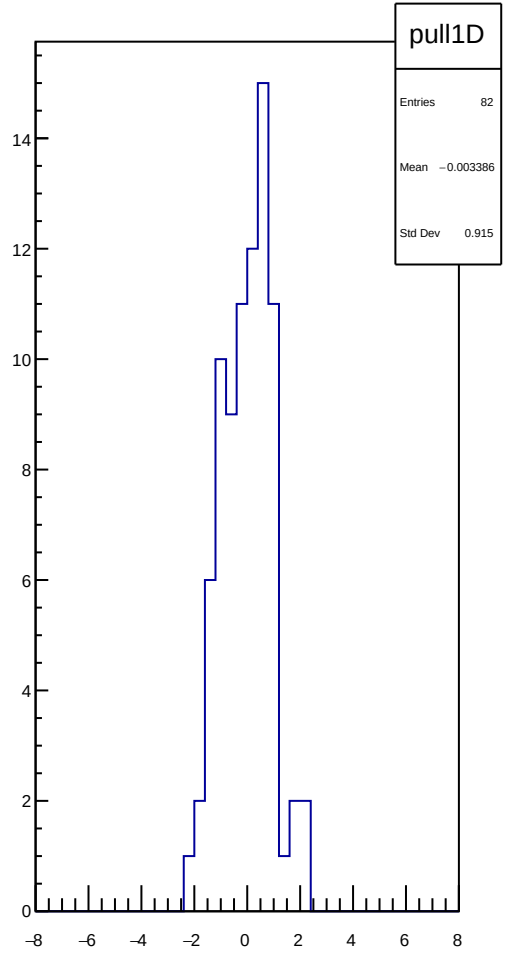

pull1D
Entries 82
Mean −0.003387
Std Dev 0.915
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

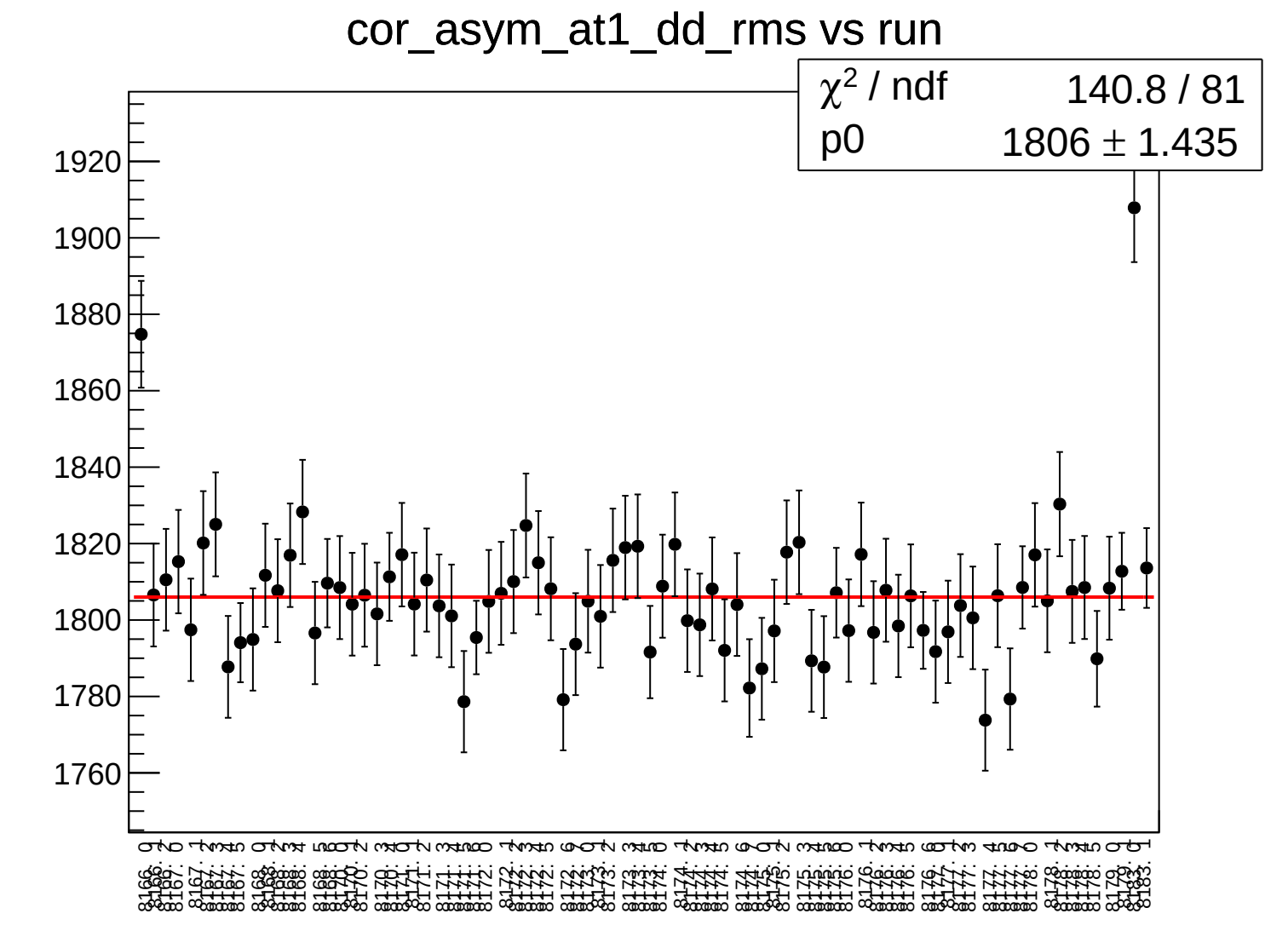

reg_asym_at1_dd_rms vs run
χ^2 / ndf 140.8 / 81
p0 1806 ± 1.435
1920
1900
1880
1860
1840
1820
1800
1780
1760

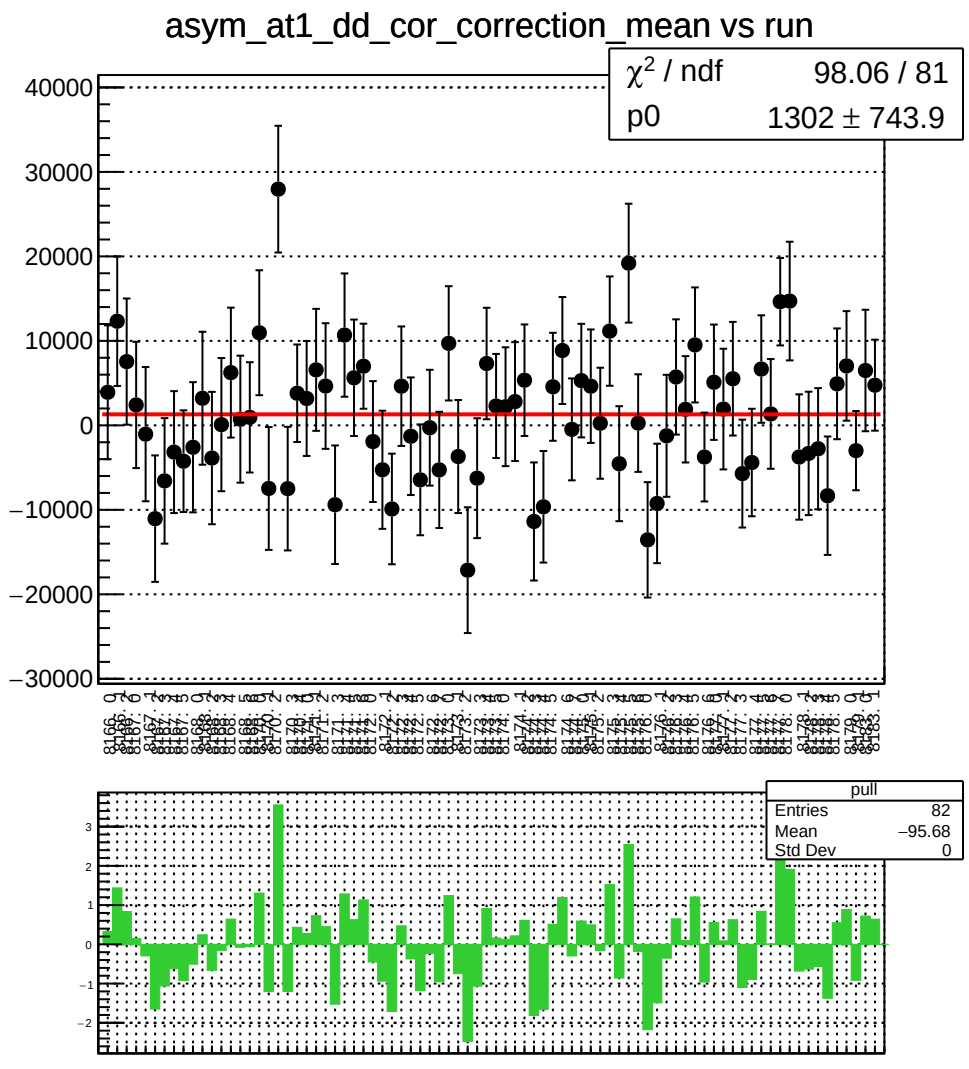

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 98.07 / 81
p0 1301 ± 743.8
pull
Entries 82
Mean −95.46
Std Dev 0
pull1D
Entries 82
Mean −0.009381
Std Dev 1.094

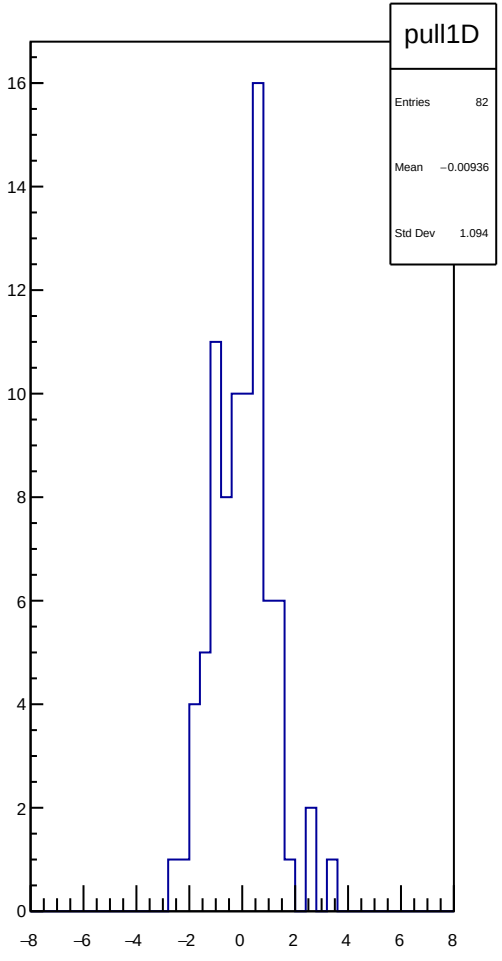

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 6033 / 81
p0 660.5 ± 0.526
760
740
720
700
680
660
640
620
600
580

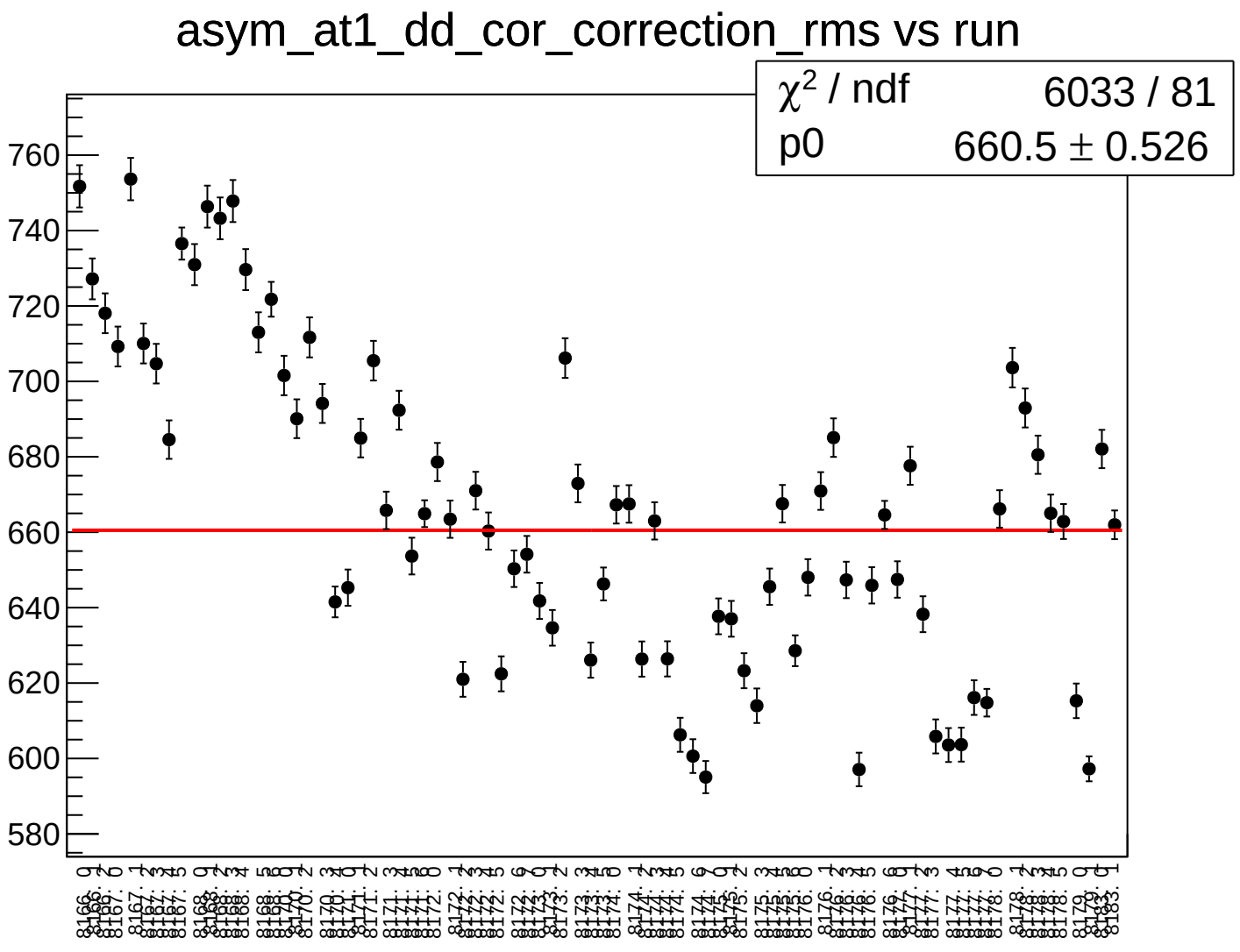

cor_asym_at1_dd_mean vs run
χ² / ndf 68.65 / 81
p0 −2455 ± 2030
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 820.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

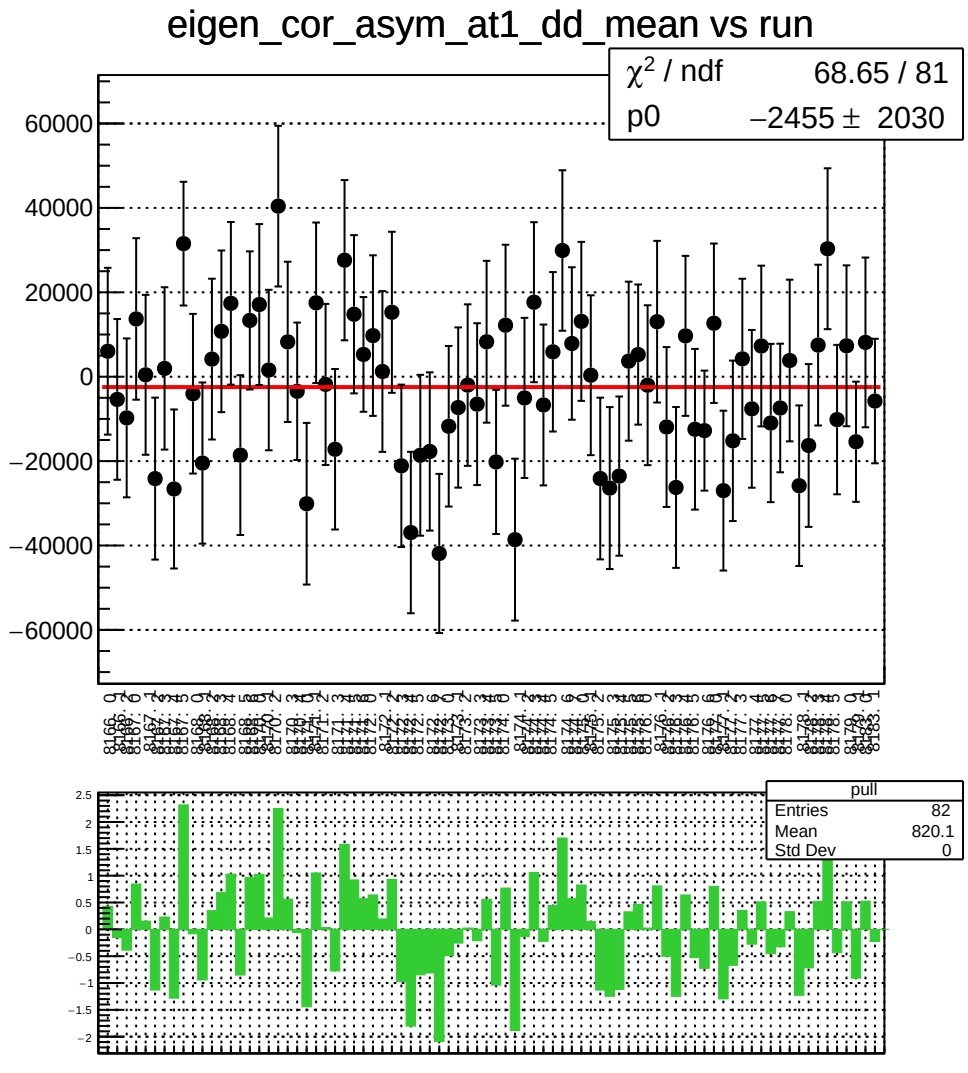

pull1D
Entries 82
Mean −0.003386
Std Dev 0.915
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

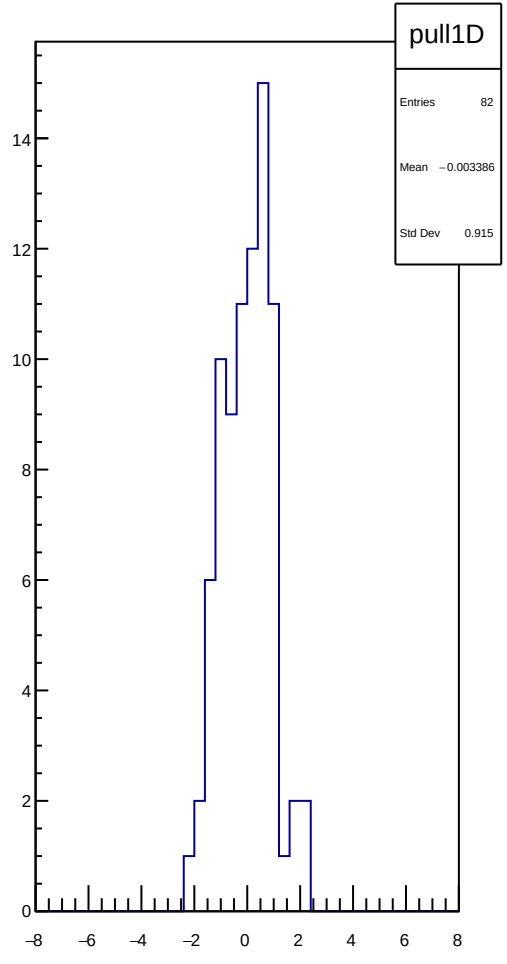

cor_asym_at1_dd_rms vs run
χ^2 / ndf 140.8 / 81
p0 1806 ± 1.435
1920
1900
1880
1860
1840
1820
1800
1780
1760

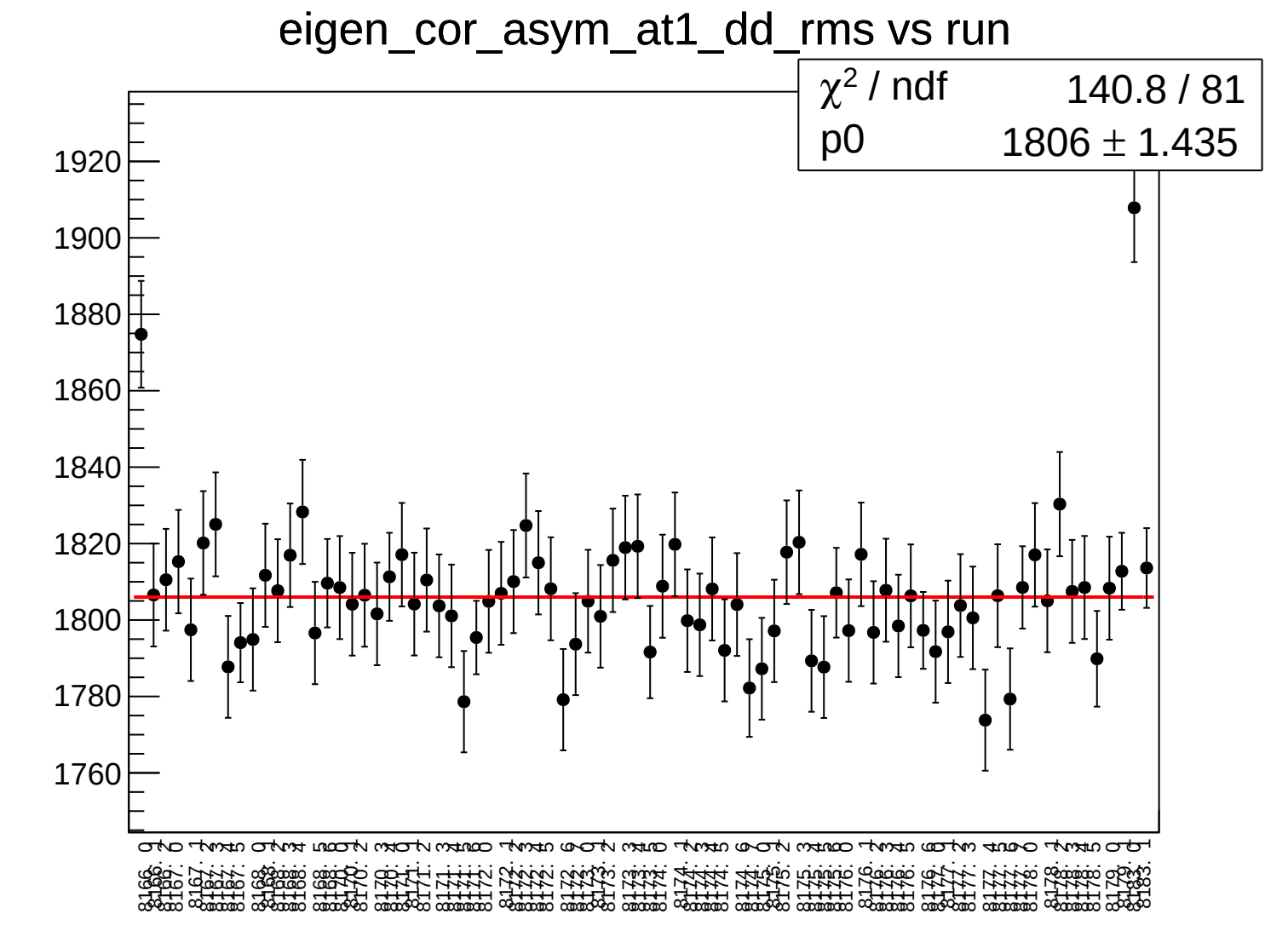

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 98.06 / 81
p0 1302 ± 743.9
pull
Entries 82
Mean −95.68
Std Dev 0

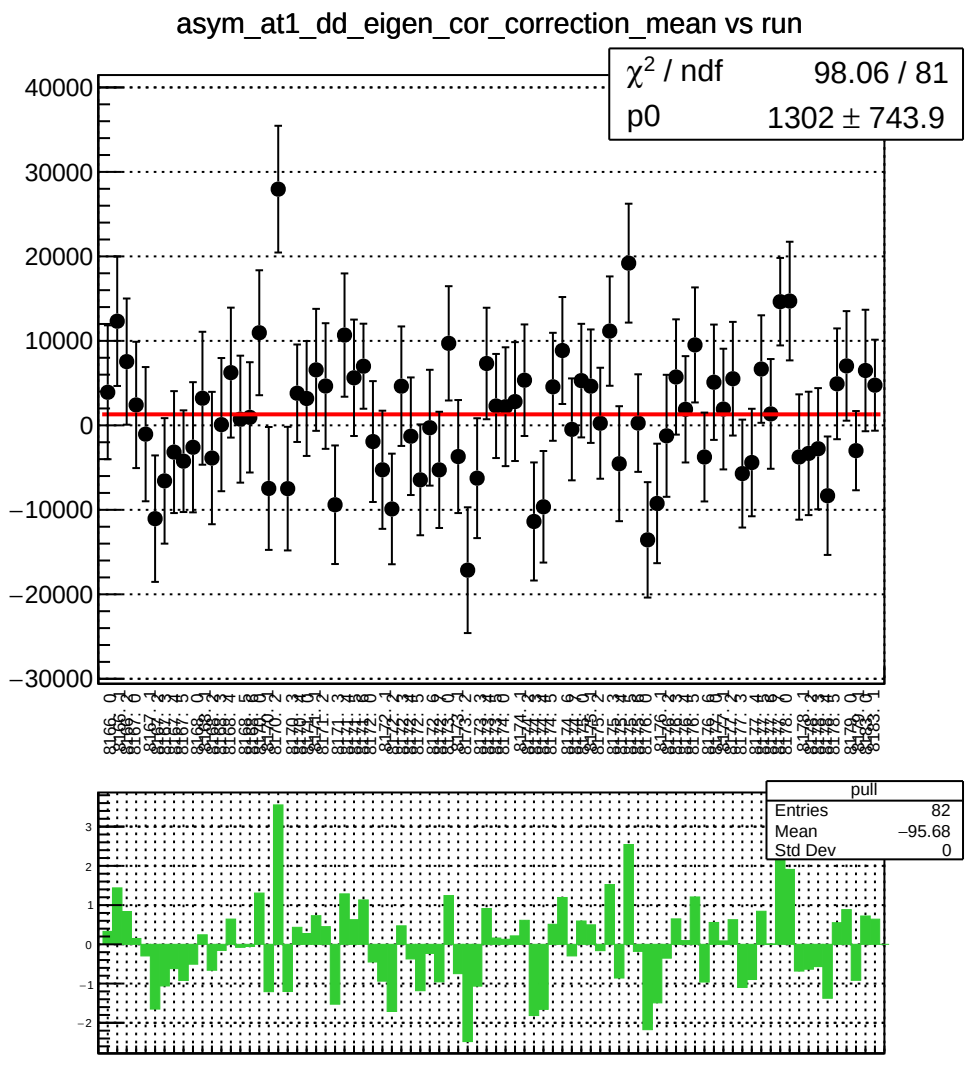

pull1D
Entries 82
Mean −0.00936
Std Dev 1.094

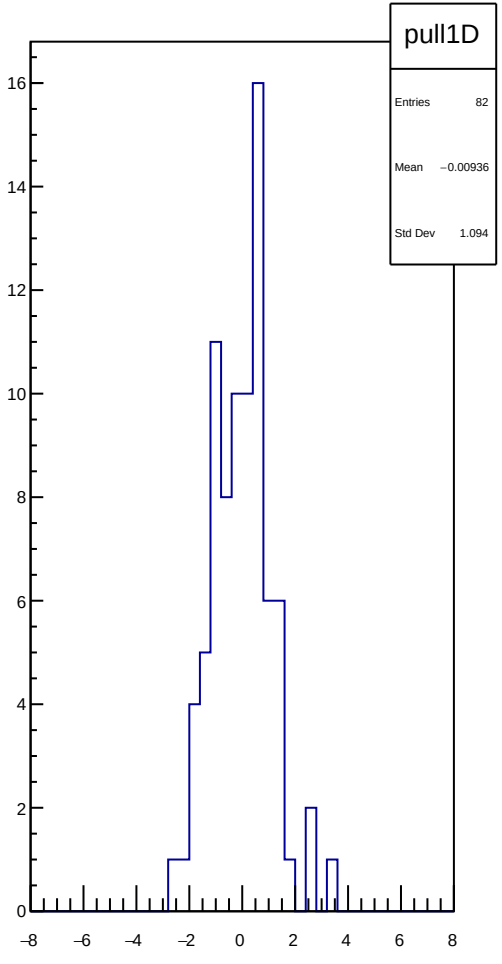

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 6033 / 81
p0 660.5 ± 0.526
760
740
720
700
680
660
640
620
600
580

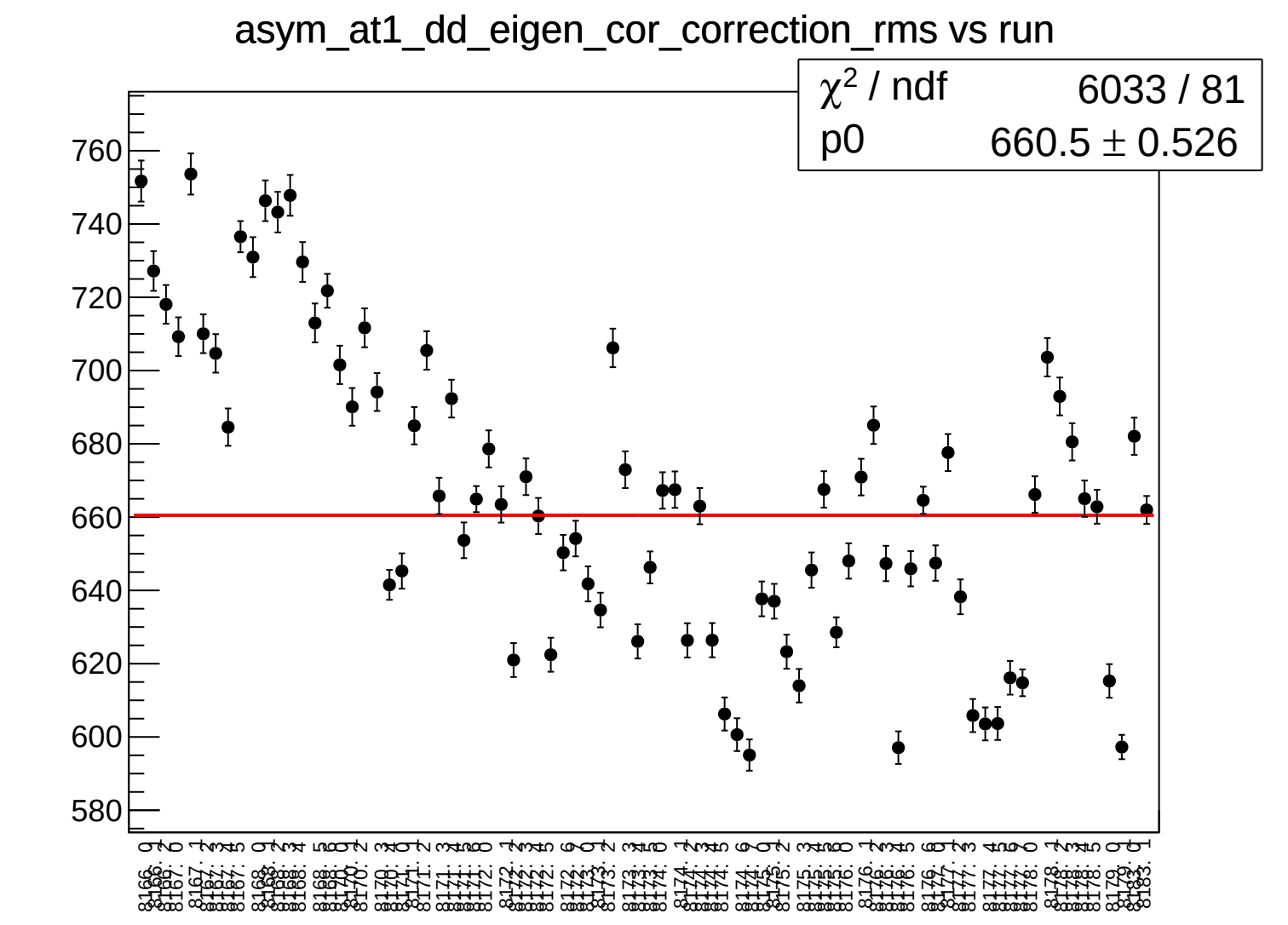

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 68.65 / 81
p0 −2455 ± 2030
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 820.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

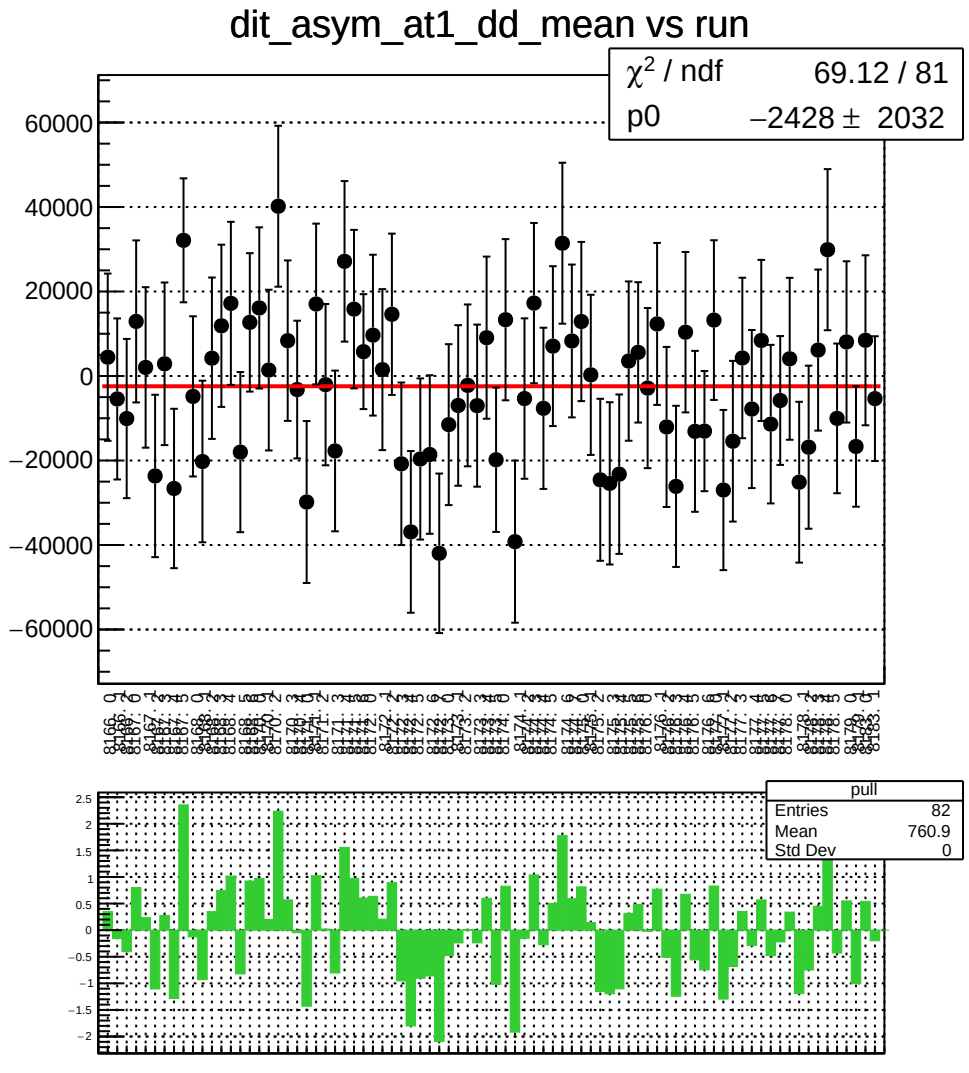

pull1D
Entries 82
Mean −0.003386
Std Dev 0.915
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

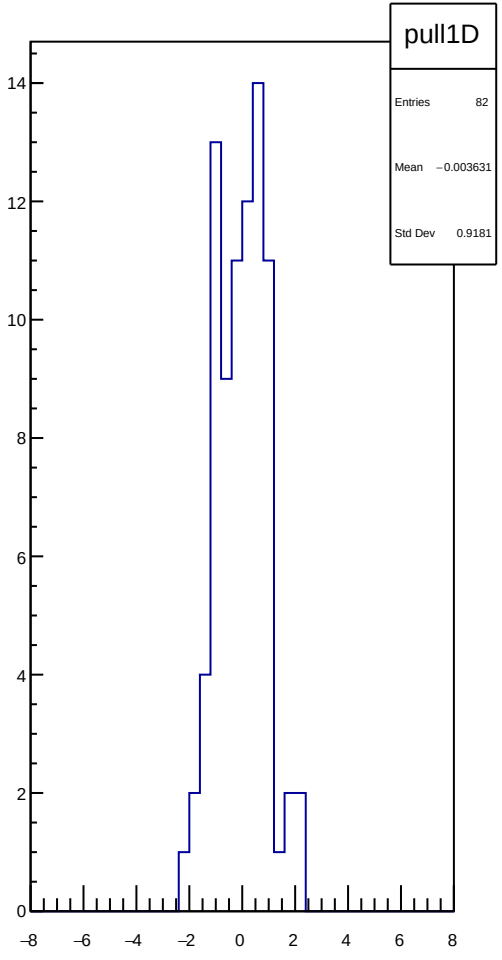

eigen_cor_asym_at1_dd_rms vs run
χ^2 / ndf 140.8 / 81
p0 1806 ± 1.435
1920
1900
1880
1860
1840
1820
1800
1780
1760

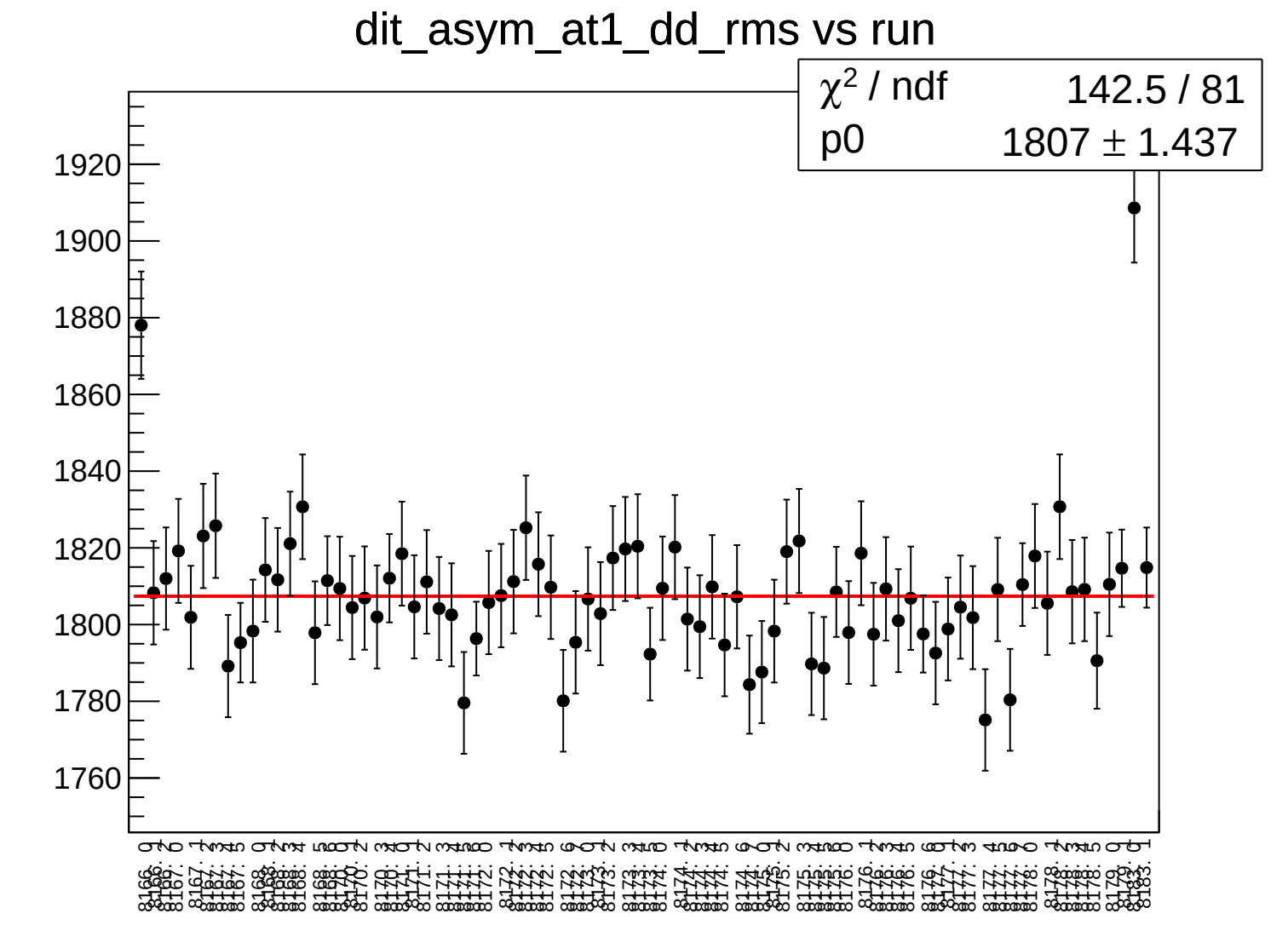

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 98.06 / 81
p0 1302 ± 743.9
pull
Entries 82
Mean −95.68
Std Dev 0

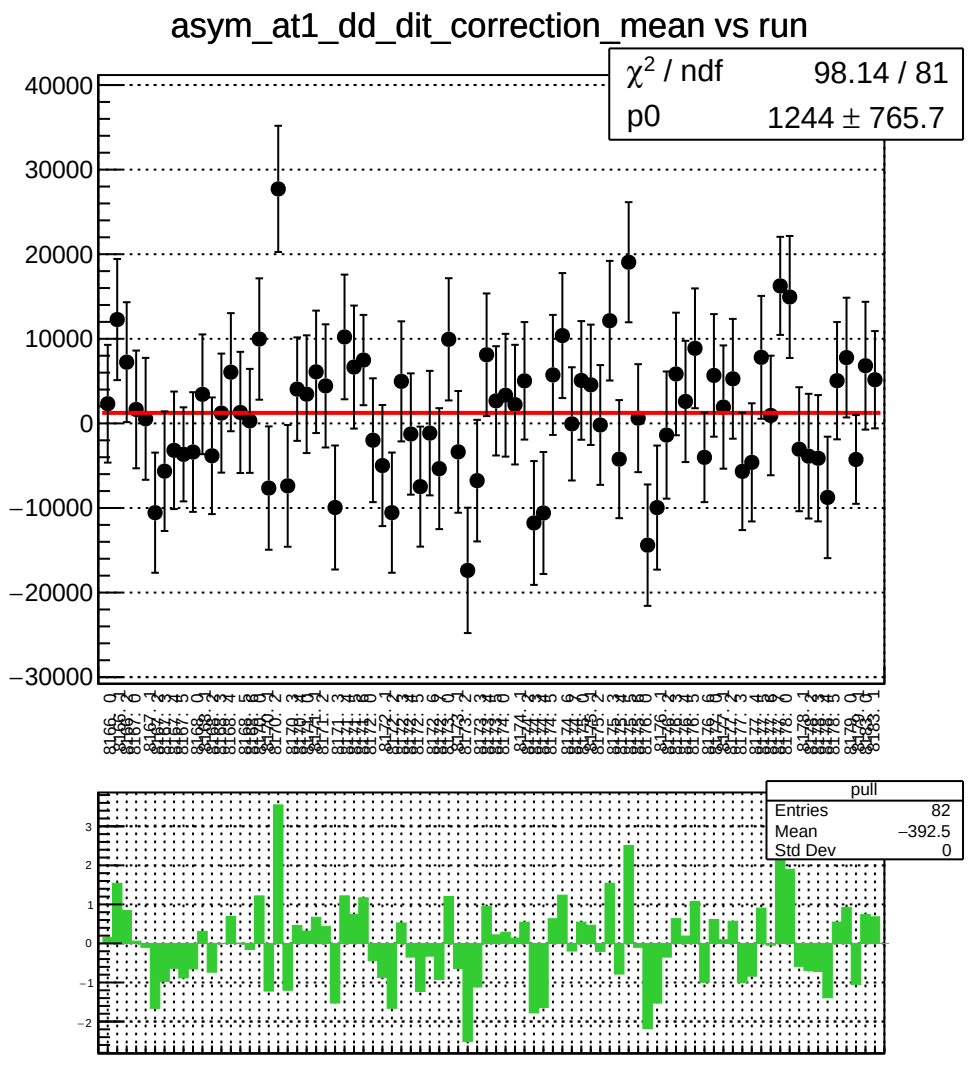

pull1D
Entries 82
Mean −0.00936
Std Dev 1.094

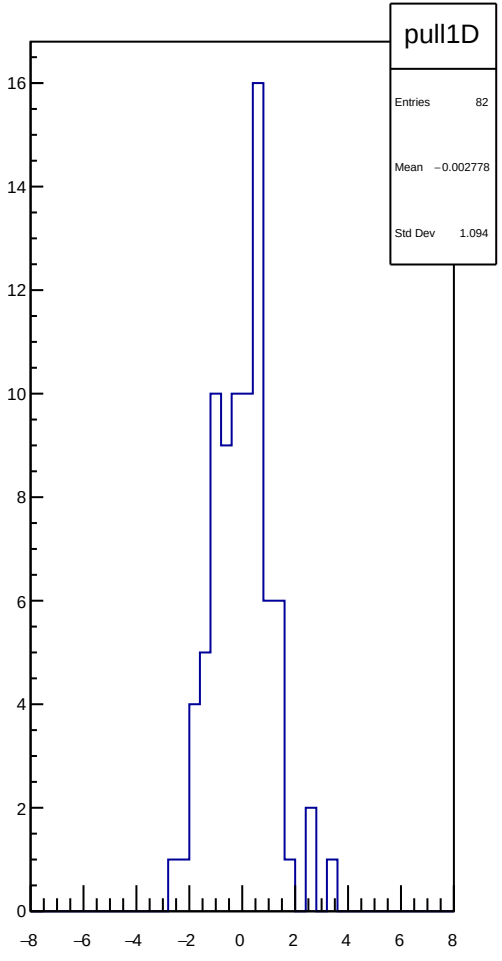

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6033 / 81
p0 660.5 ± 0.526
760
740
720
700
680
660
640
620
600
580

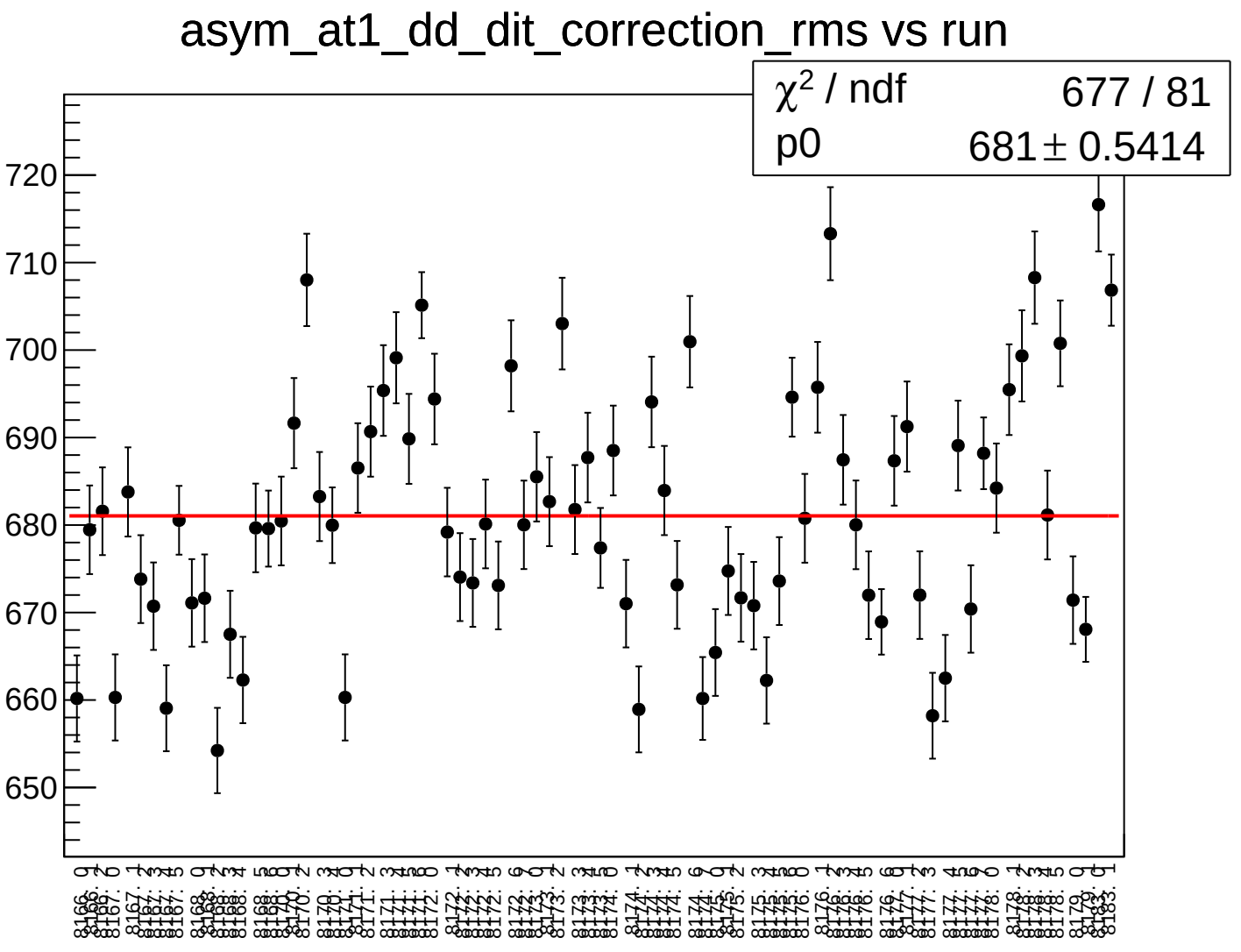

dit_asym_at1_dd_mean vs run
χ² / ndf 69.12 / 81
p0 −2428 ± 2032
pull
Entries 82
Mean 760.9
Std Dev 0

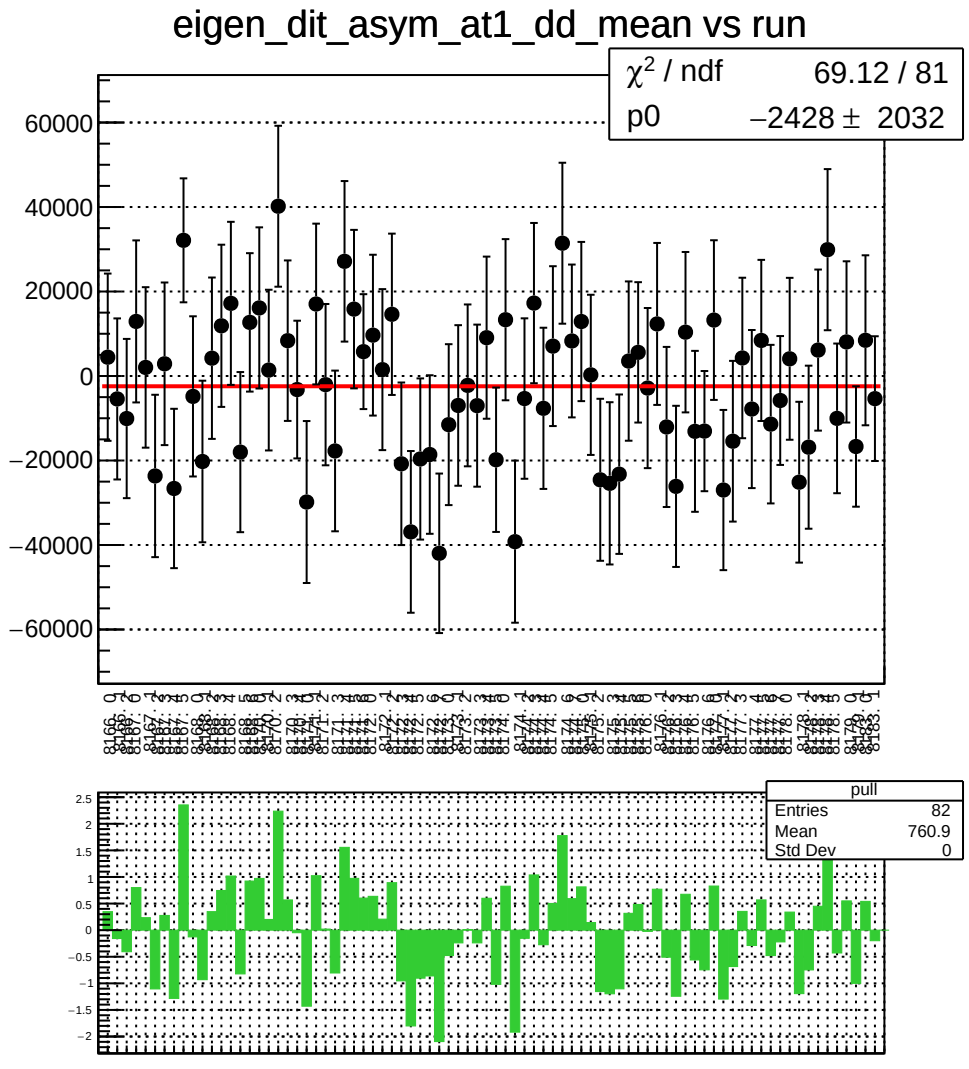

pull1D
Entries 82
Mean −0.003631
Std Dev 0.9181

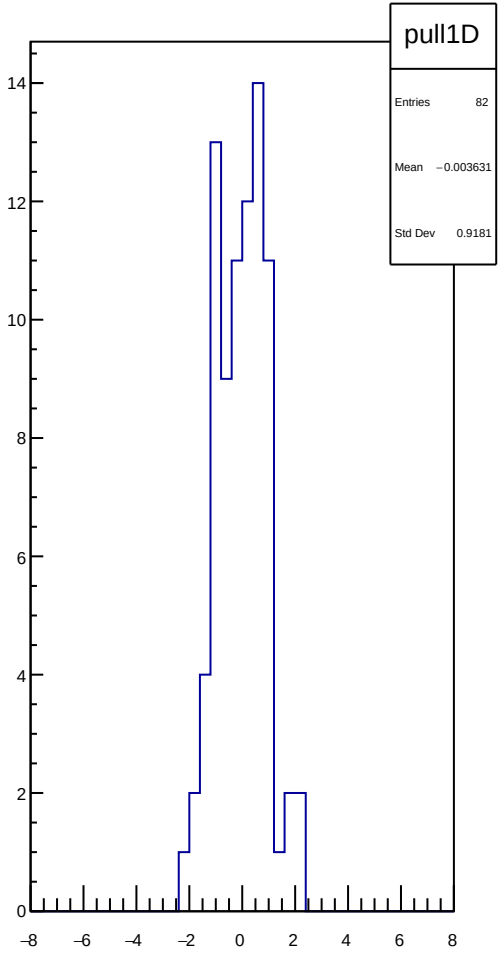

dit_asym_at1_dd_rms vs run
χ² / ndf 142.5 / 81
p0 1807 ± 1.437
1920
1900
1880
1860
1840
1820
1800
1780
1760

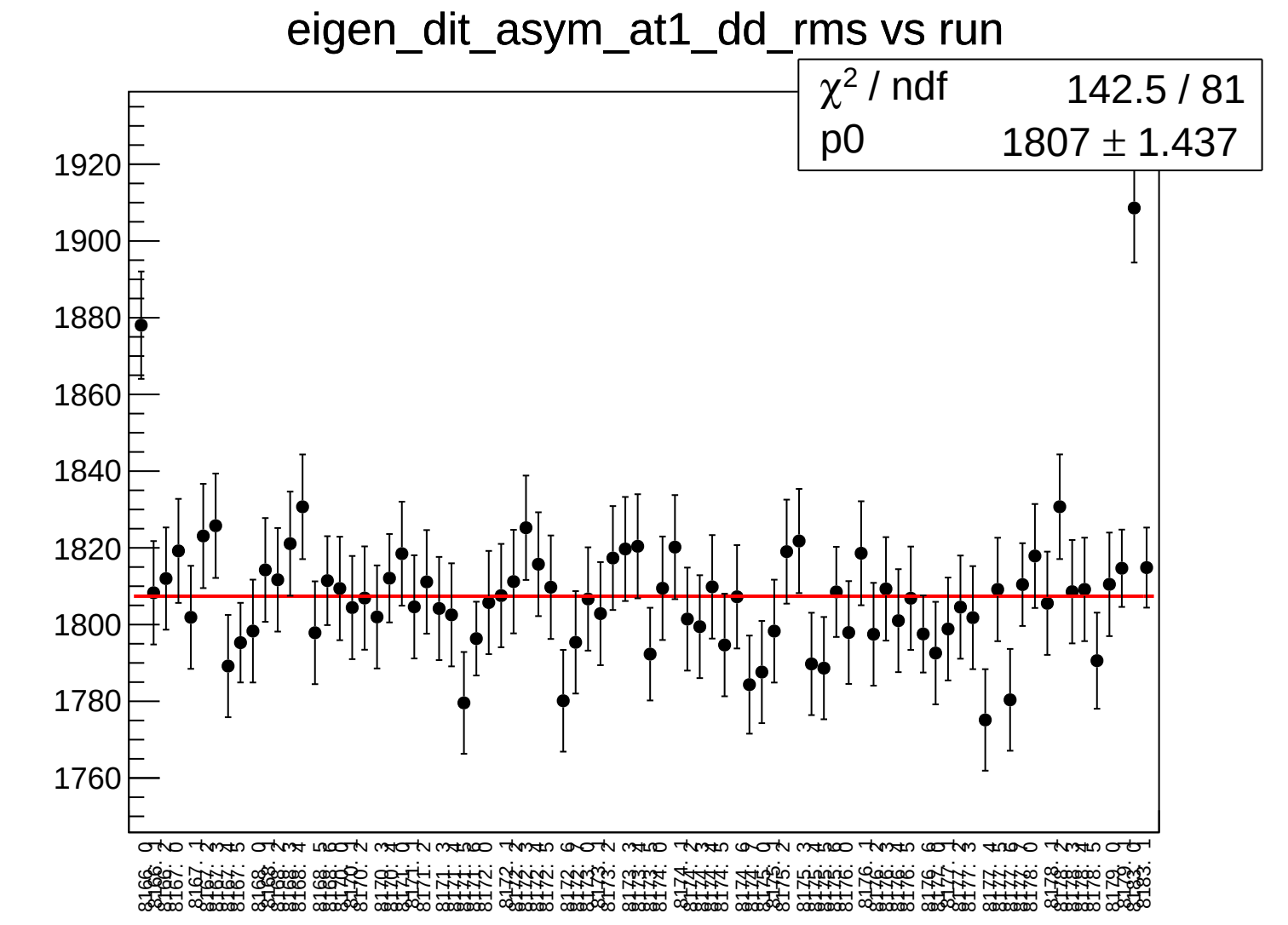

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 98.14 / 81
p0 1244 ± 765.7
pull
Entries 82
Mean −392.5
Std Dev 0

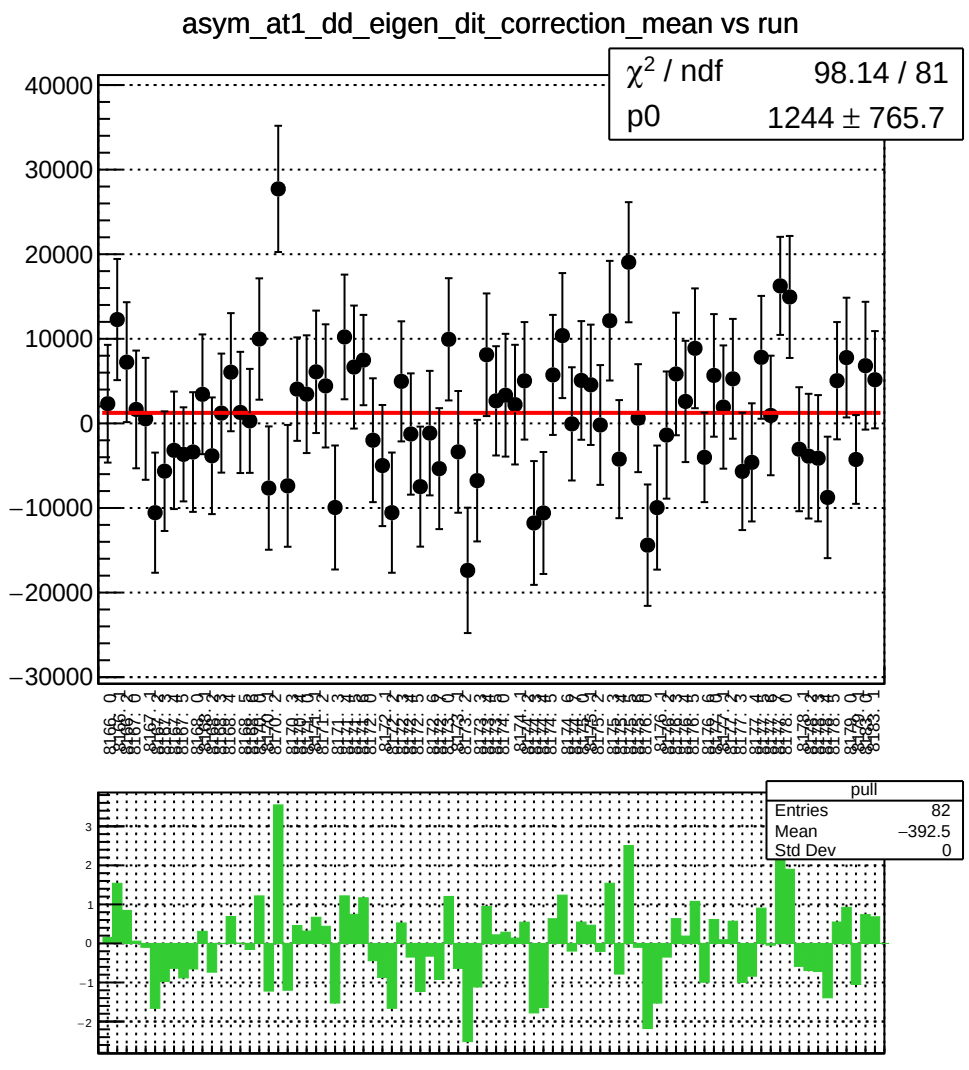

pull1D
Entries 82
Mean −0.002778
Std Dev 1.094

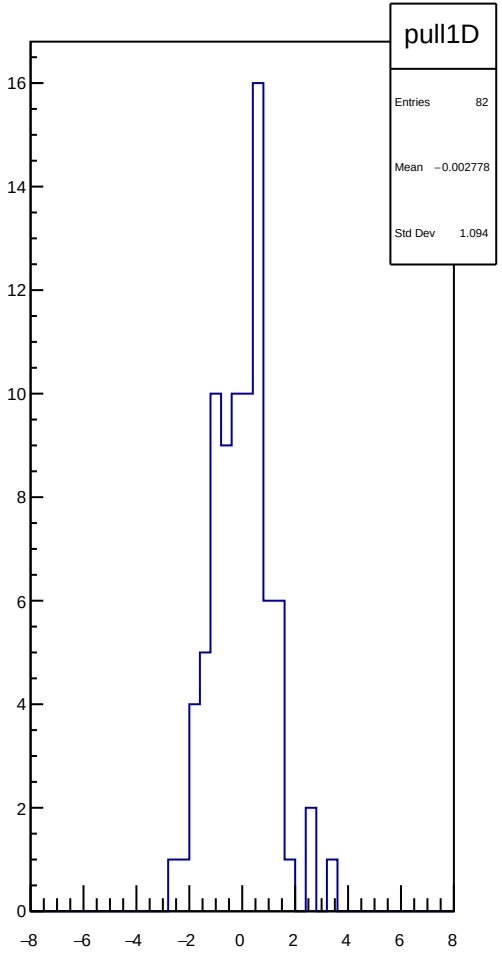

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 677 / 81
p0 681 ± 0.5414
720
710
700
690
680
670
660
650

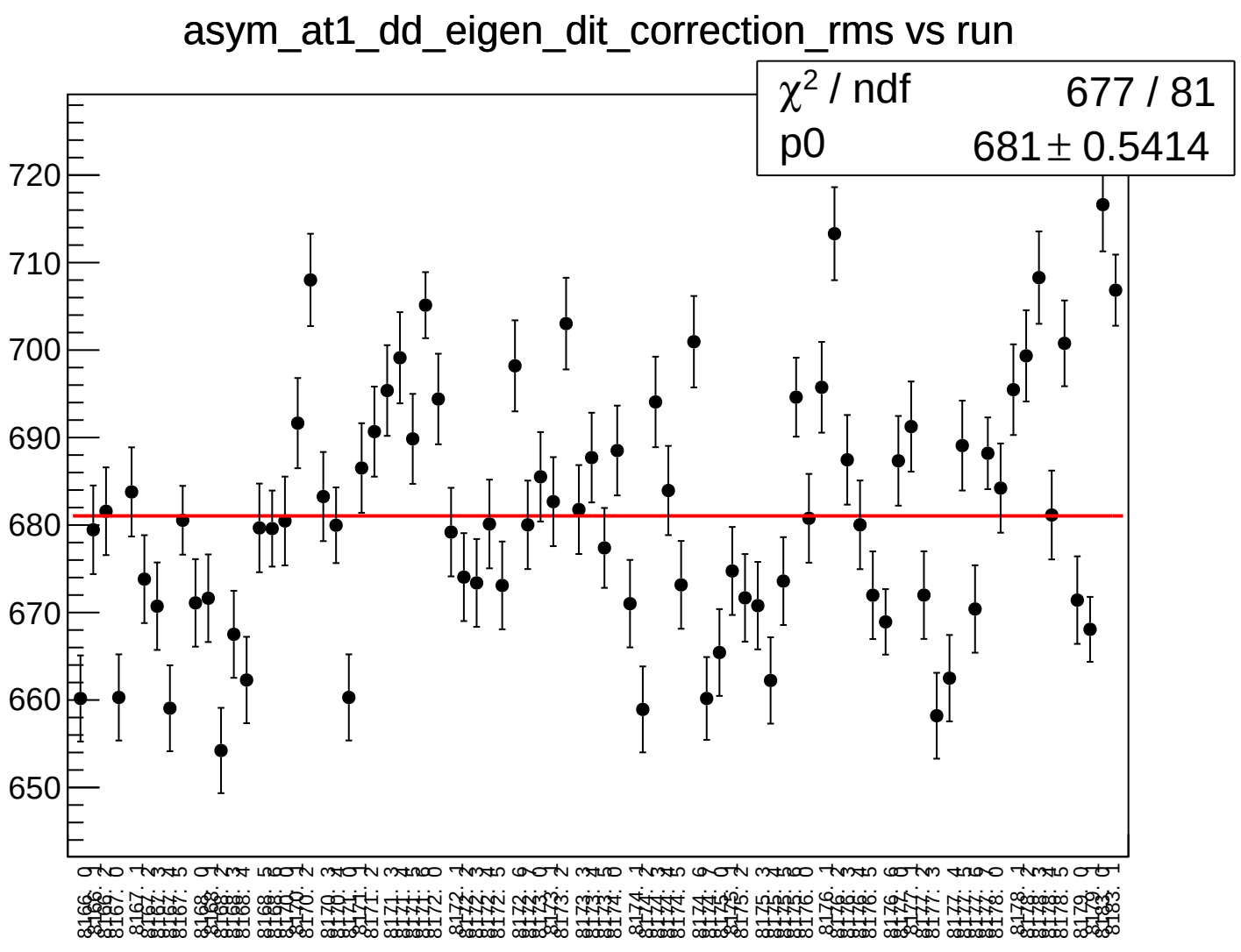

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 69.12 / 81
p0 −2428 ± 2032
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 760.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

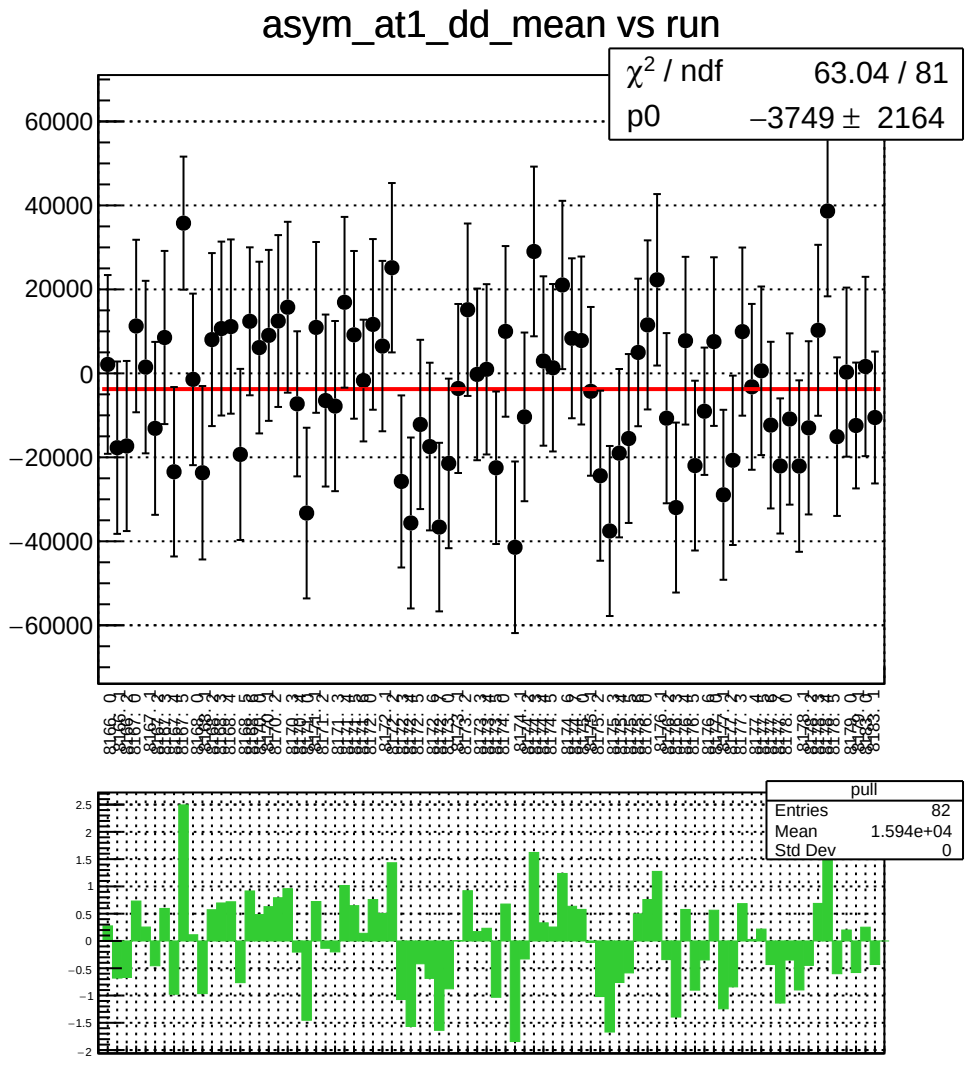

pull1D
Entries 82
Mean −0.003631
Std Dev 0.9181
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

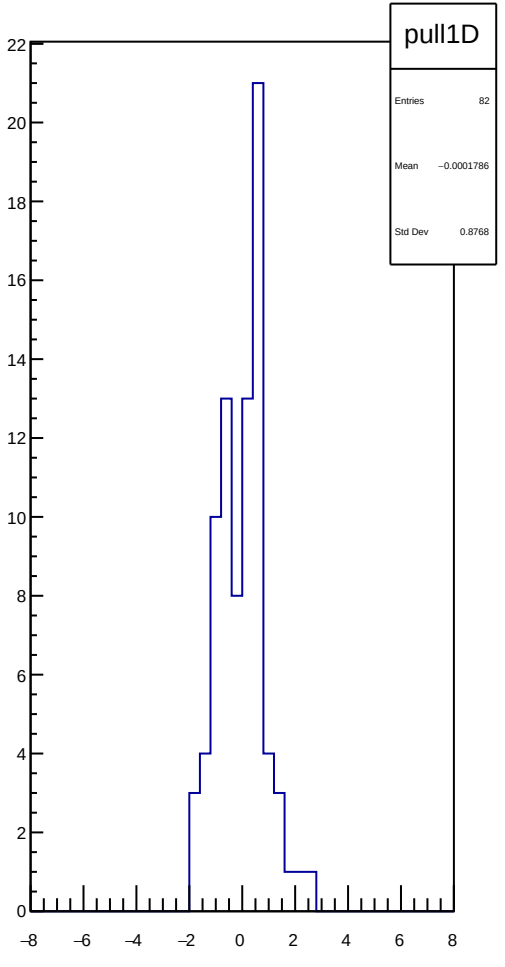

eigen_dit_asym_at1_dd_rms vs run
χ^2 / ndf 142.5 / 81
p0 1807 ± 1.437
1920
1900
1880
1860
1840
1820
1800
1780
1760

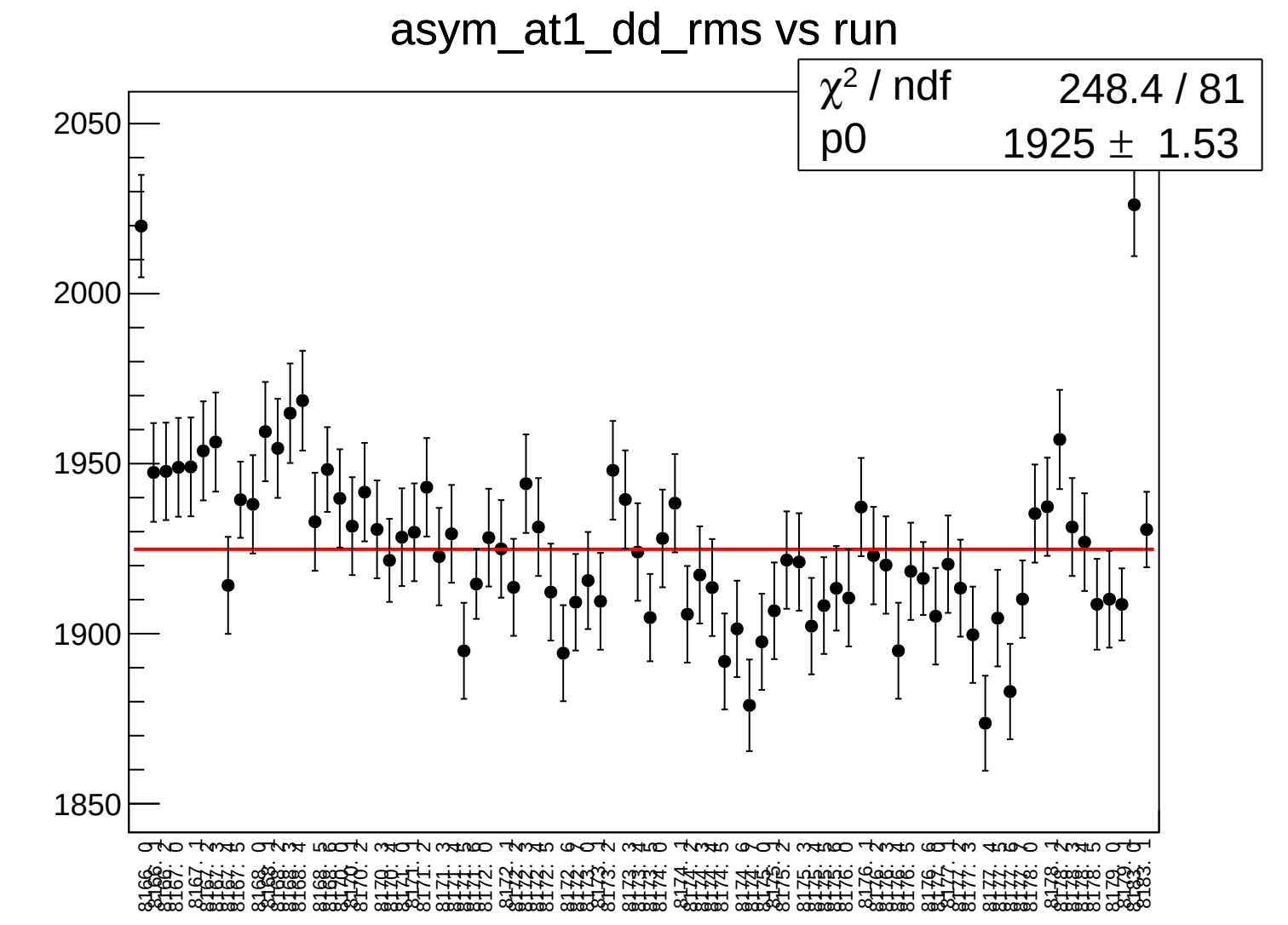

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 98.14 / 81
p0 1244 ± 765.7
pull
Entries 82
Mean −392.5
Std Dev 0

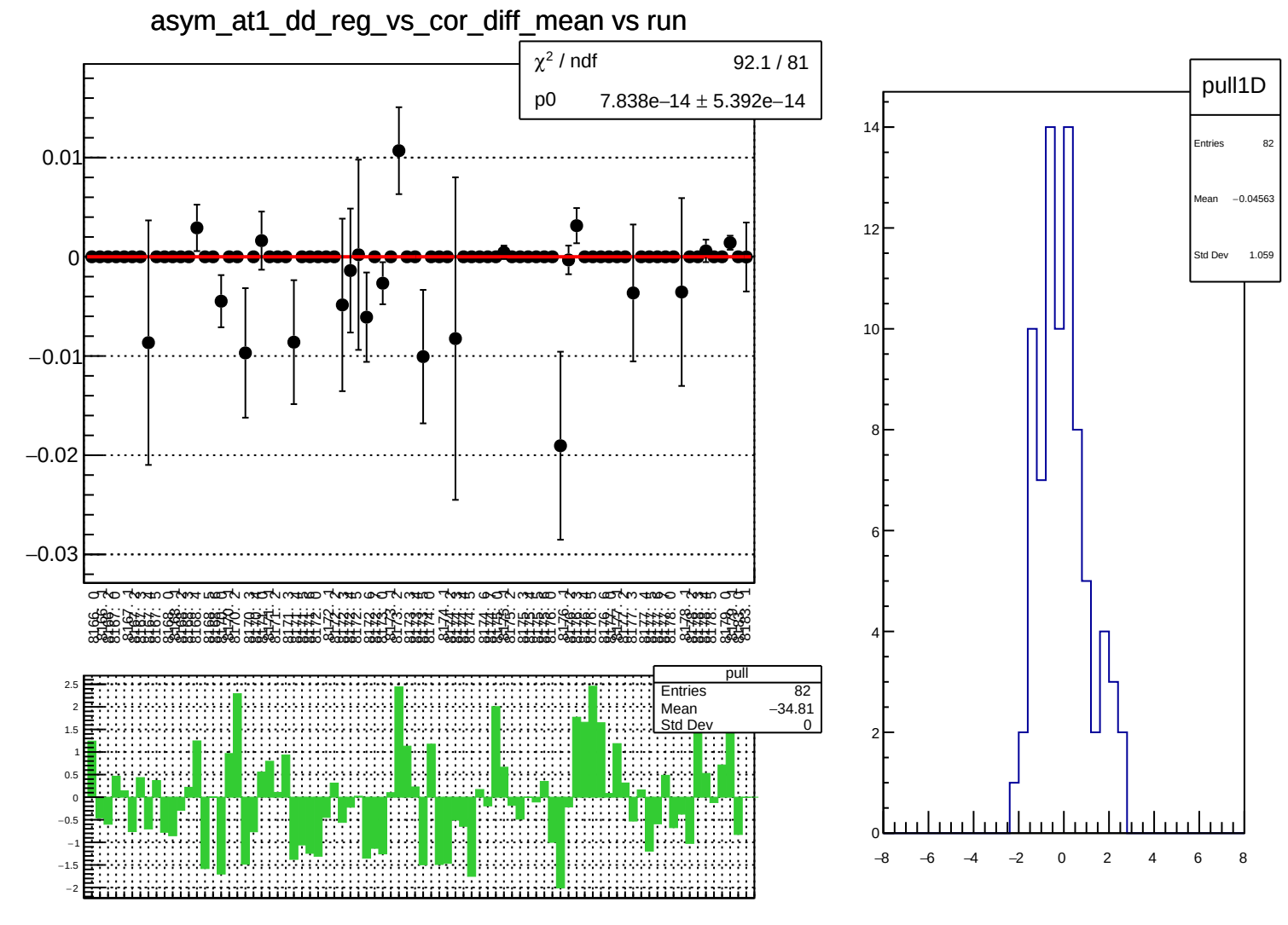

pull1D
Entries 82
Mean −0.002778
Std Dev 1.094

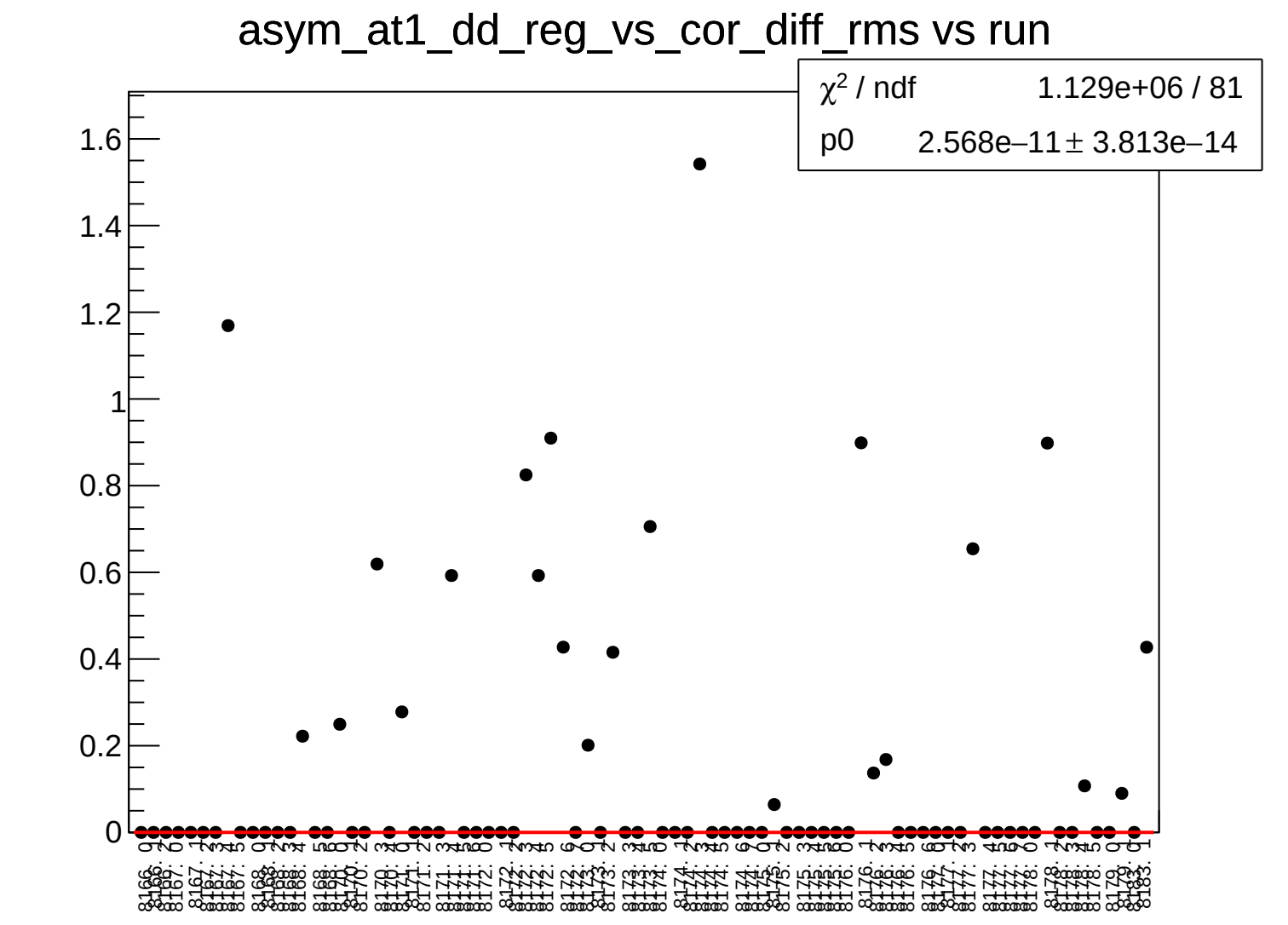

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 677 / 81
p0 681 ± 0.5414
720
710
700
690
680
670
660
650

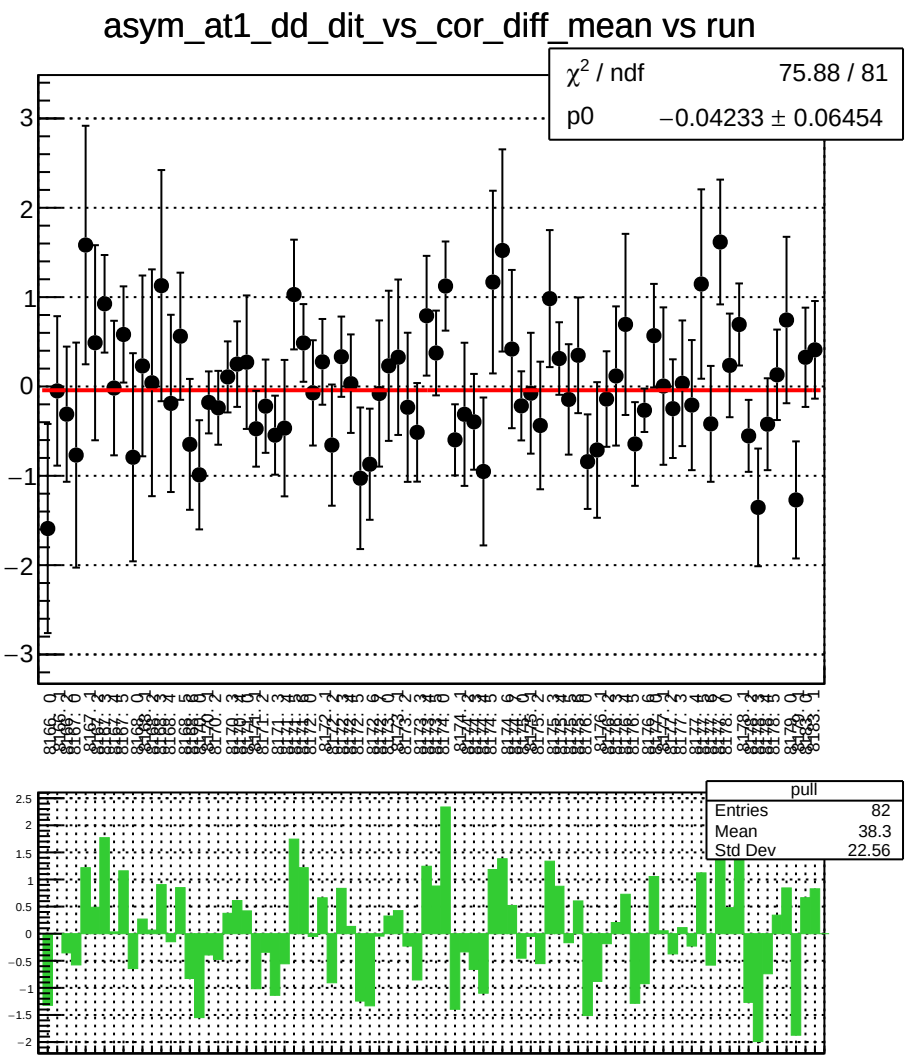

asym_at1_dd_mean vs run
χ² / ndf 63.04 / 81
p0 −3749 ± 2164
pull
Entries 82
Mean 1.594e+04
Std Dev 0

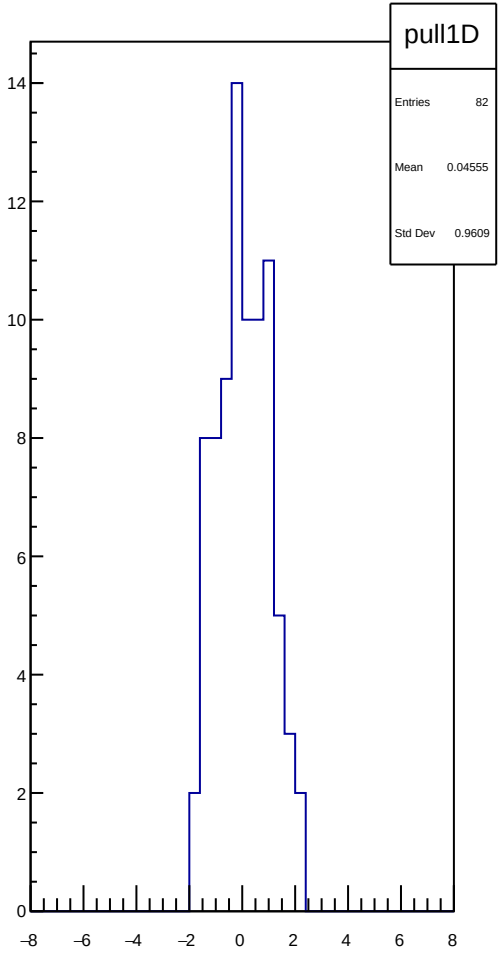

pull1D
Entries 82
Mean −0.0001786
Std Dev 0.8768

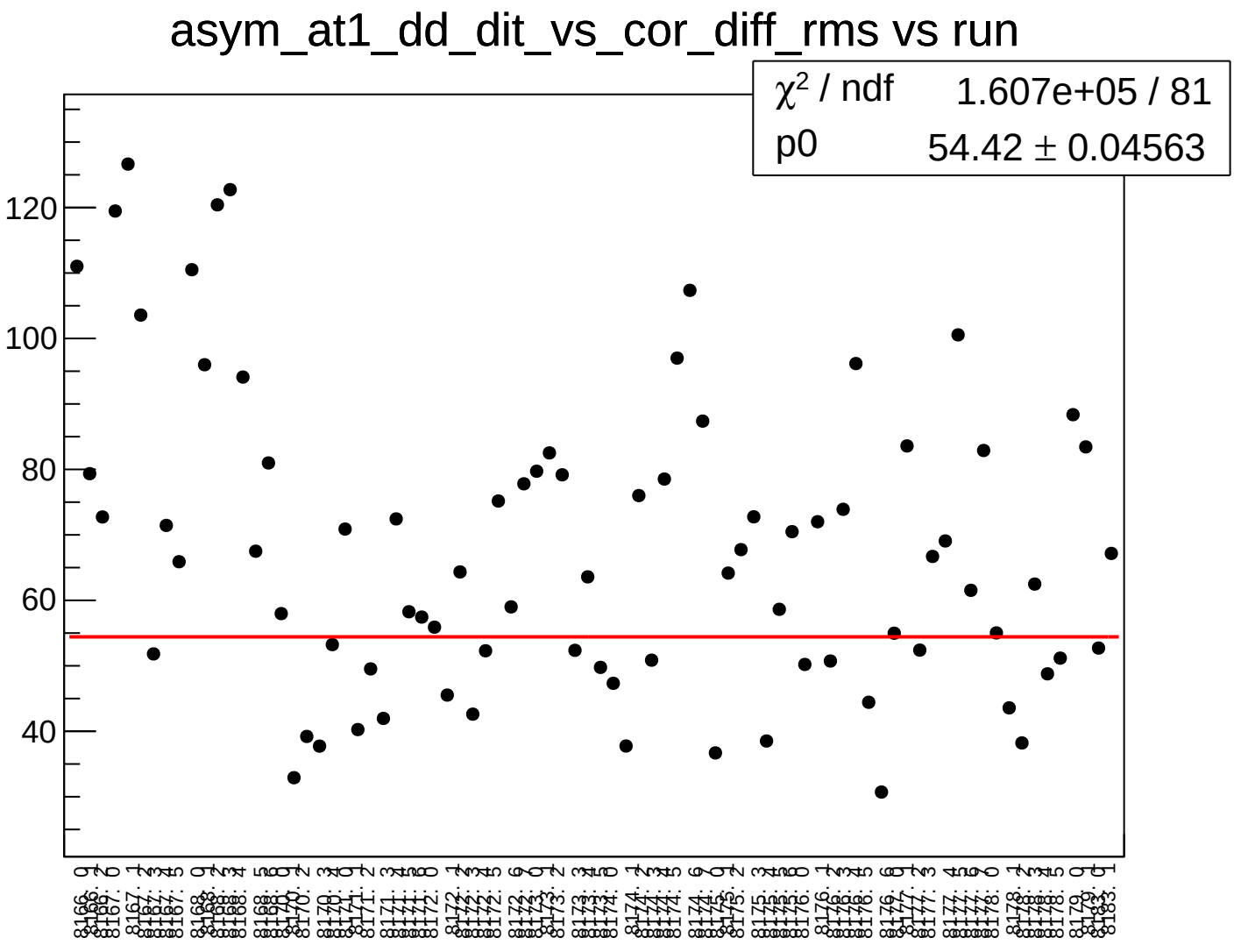

asym_at1_dd_rms vs run
χ² / ndf 248.4 / 81
p0 1925 ± 1.53
2050
2000
1950
1900
1850

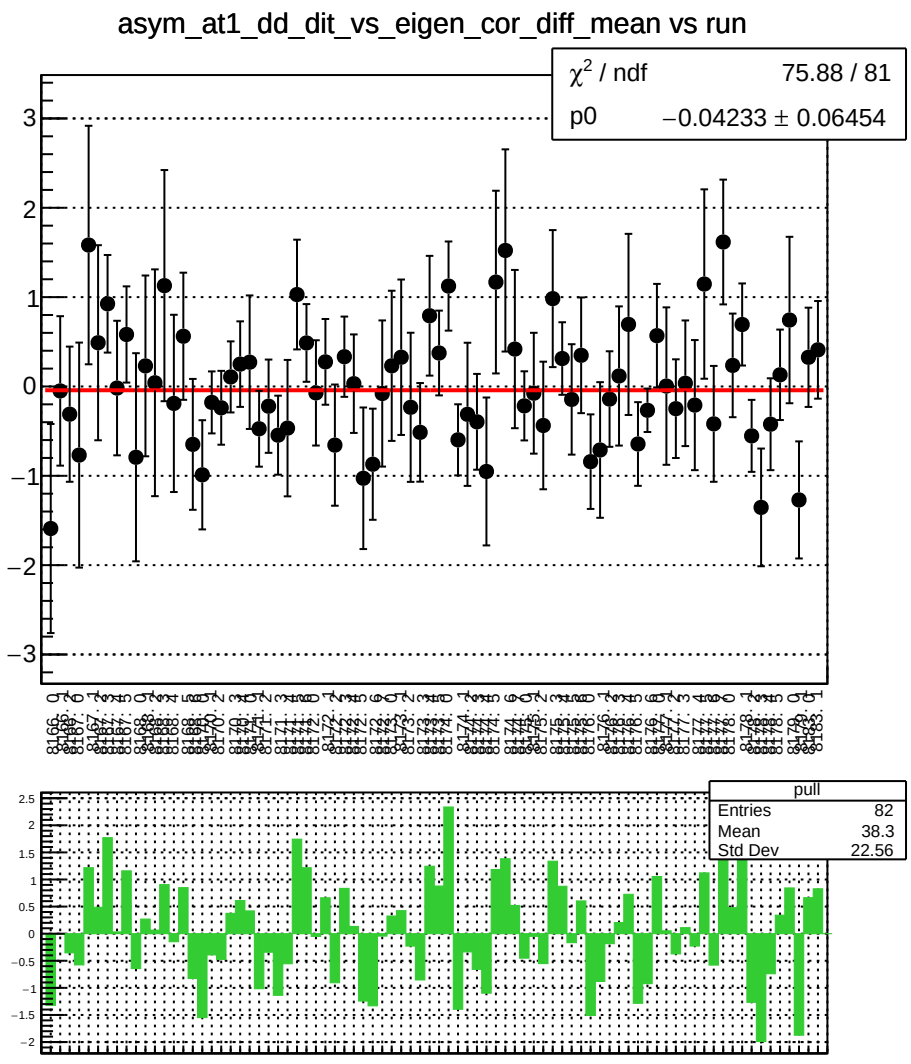

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.1 / 81
p0 7.838e−14 ± 5.392e−14
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean −34.81
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.04563
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

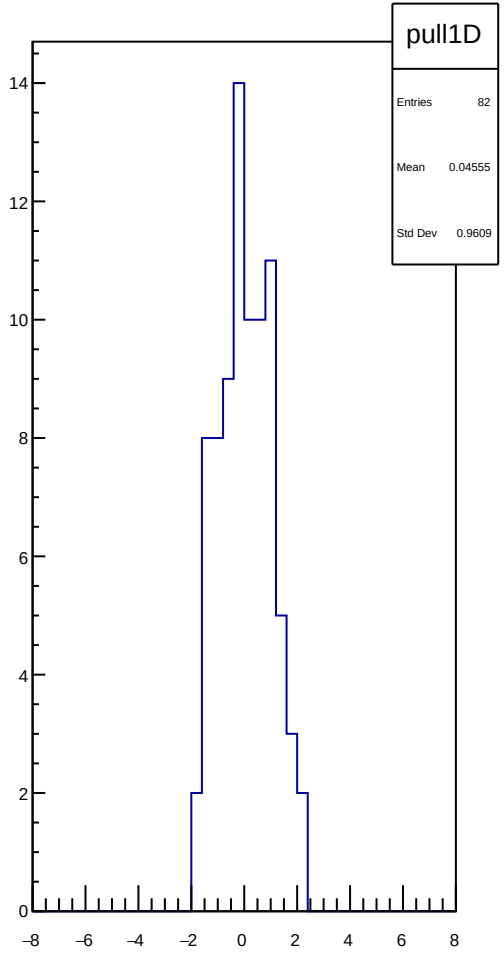

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.129e+06 / 81
p0 2.568e−11 ± 3.813e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

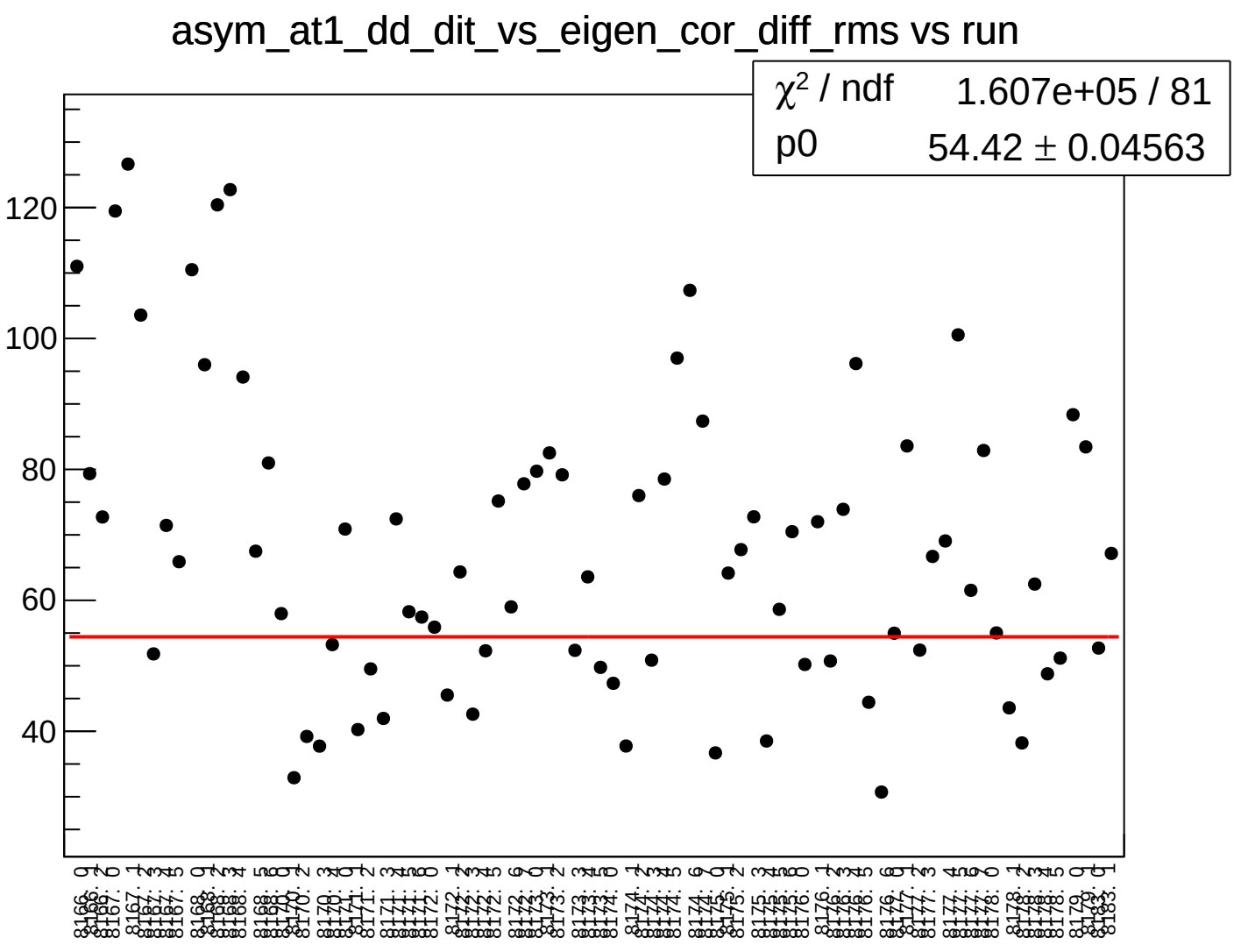

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.88 / 81
p0 −0.04233 ± 0.06454
pull
Entries 82
Mean 38.3
Std Dev 22.56

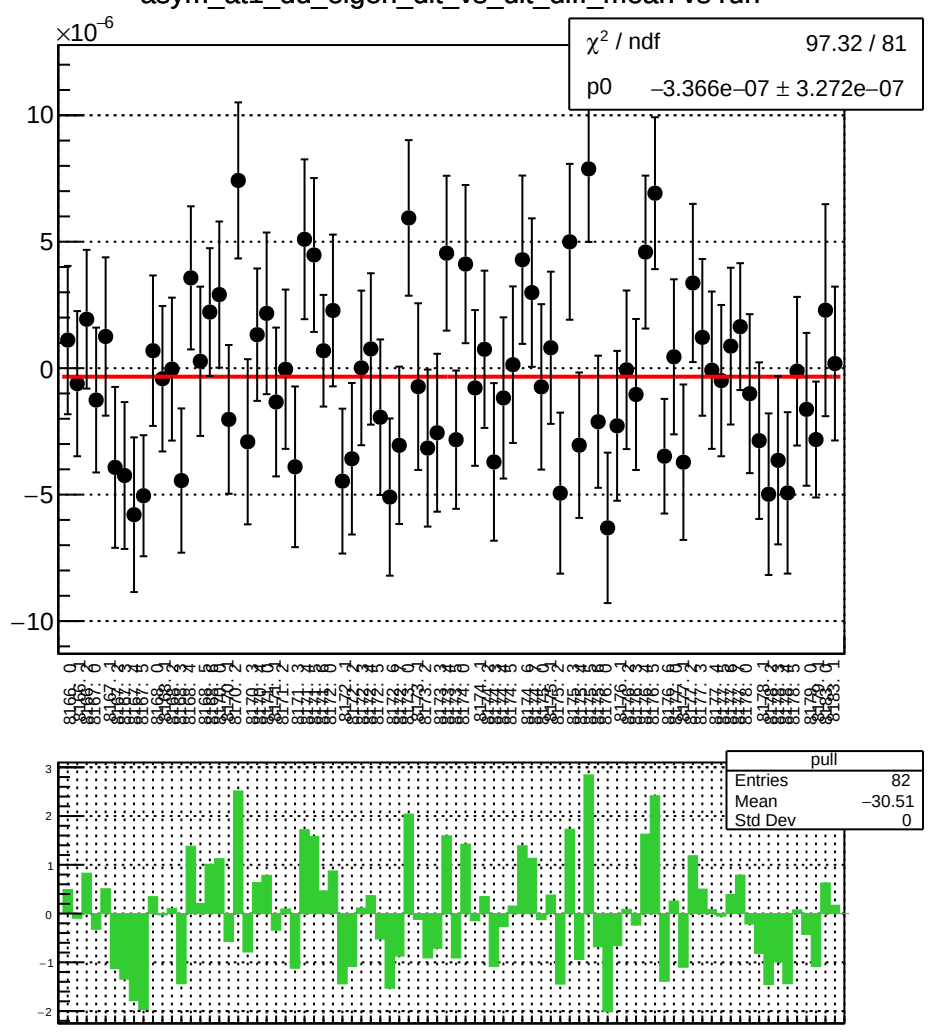

pull1D
Entries 82
Mean 0.04555
Std Dev 0.9609

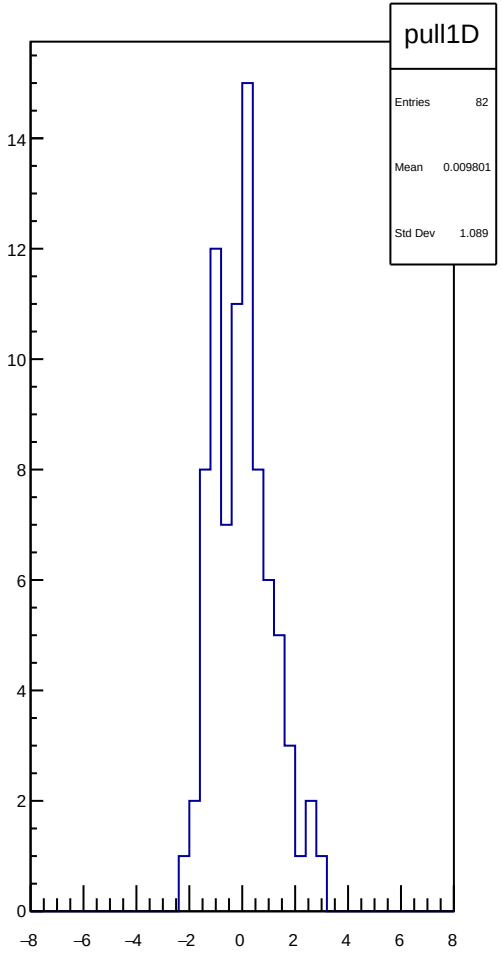

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.607e+05 / 81
p0 54.42 ± 0.04563
120
100
80
60
40

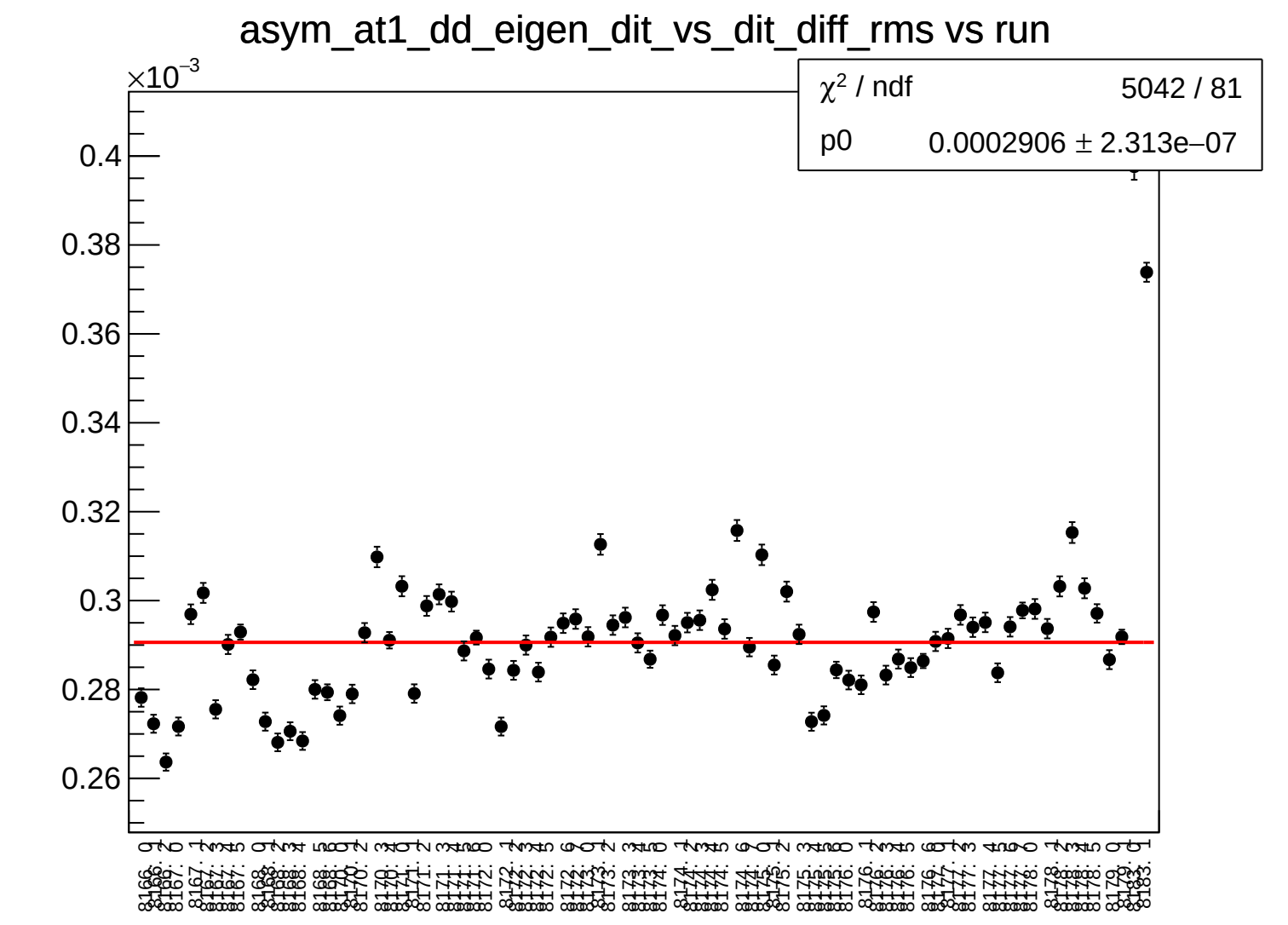

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.88 / 81
p0 −0.04233 ± 0.06454
pull
Entries 82
Mean 38.3
Std Dev 22.56

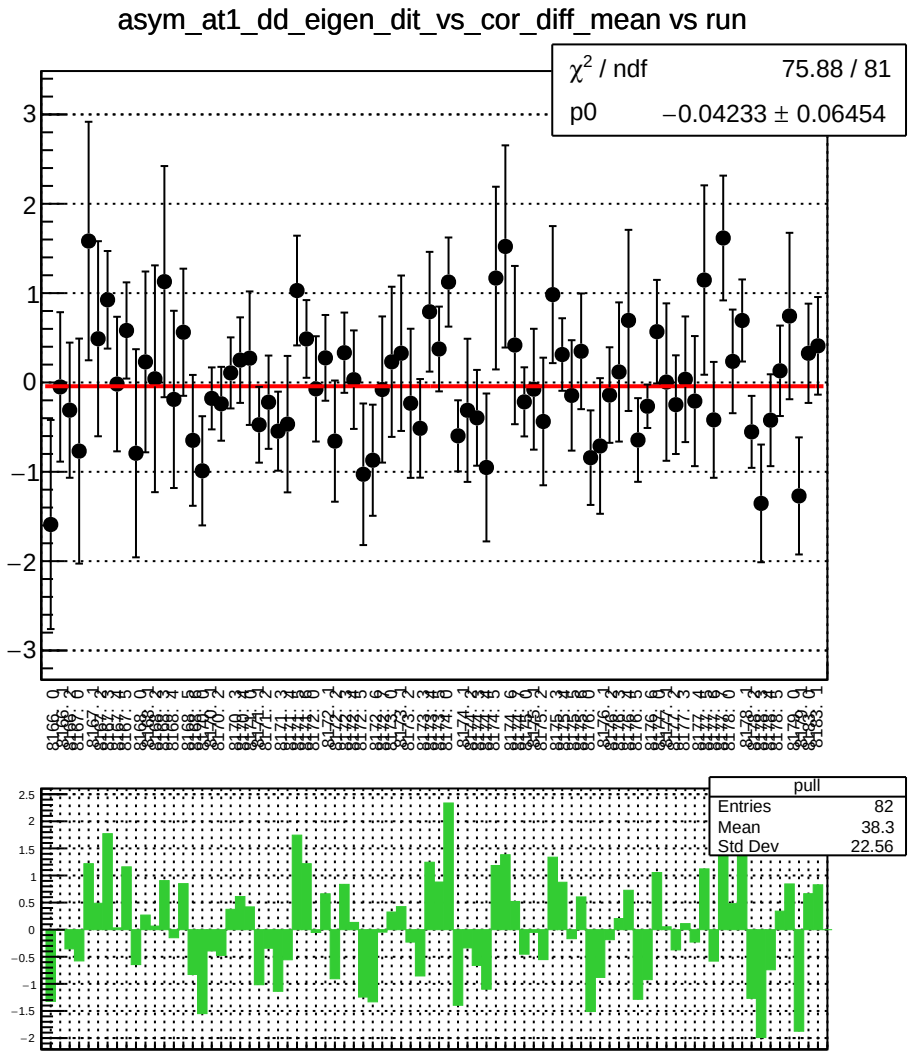

pull1D
Entries 82
Mean 0.04555
Std Dev 0.9609

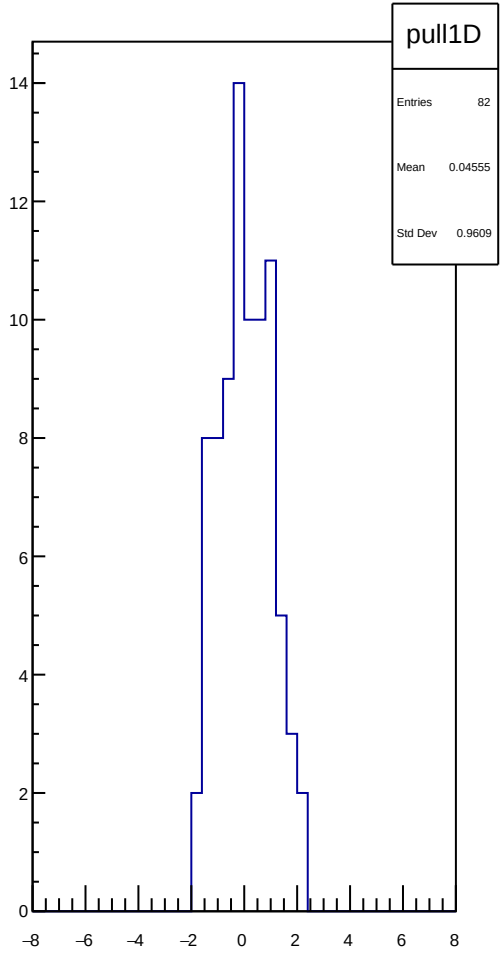

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.607e+05 / 81
p0 54.42 ± 0.04563
120
100
80
60
40

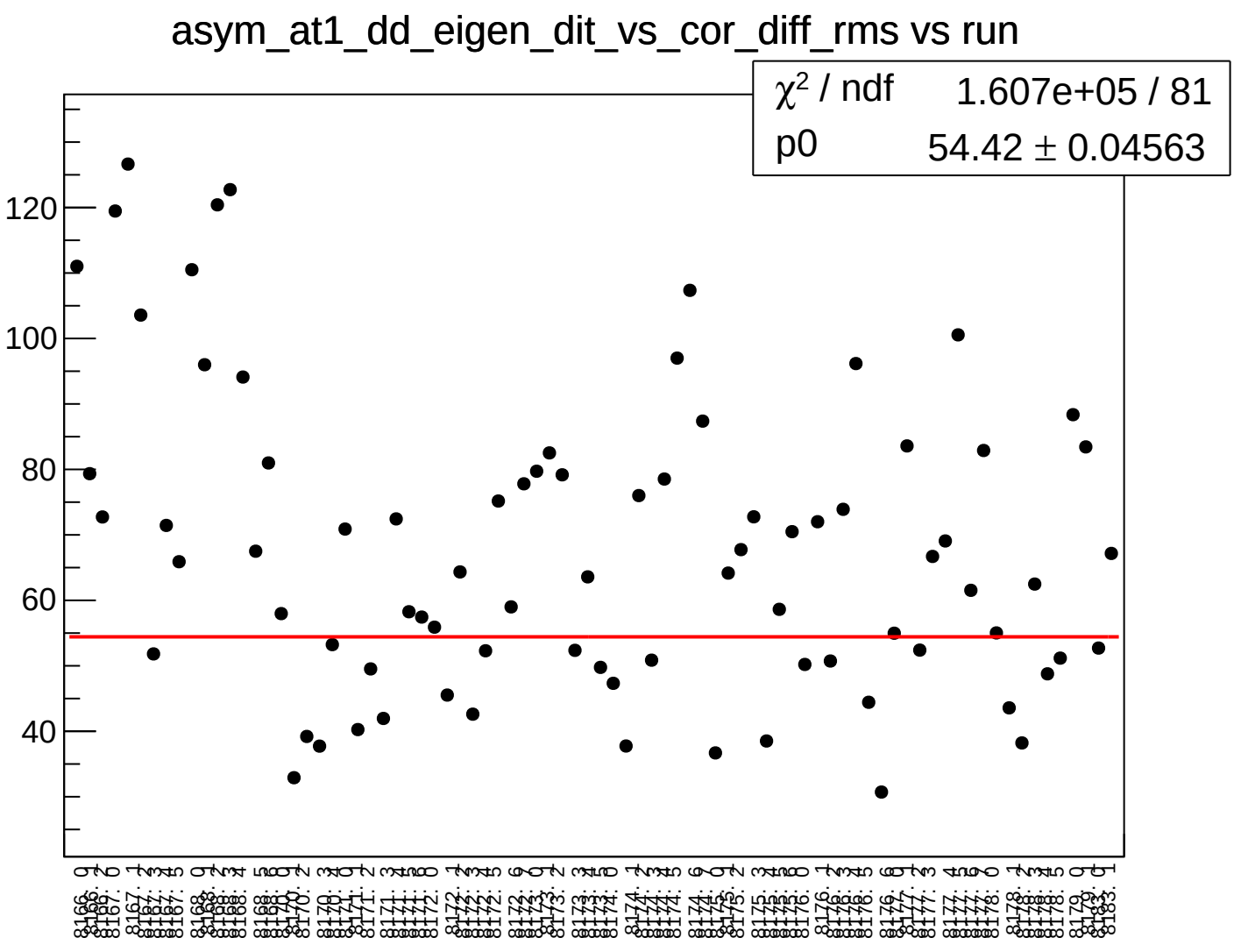

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 97.32 / 81
p0 −3.366e−07 ± 3.272e−07
pull
Entries 82
Mean −30.51
Std Dev 0

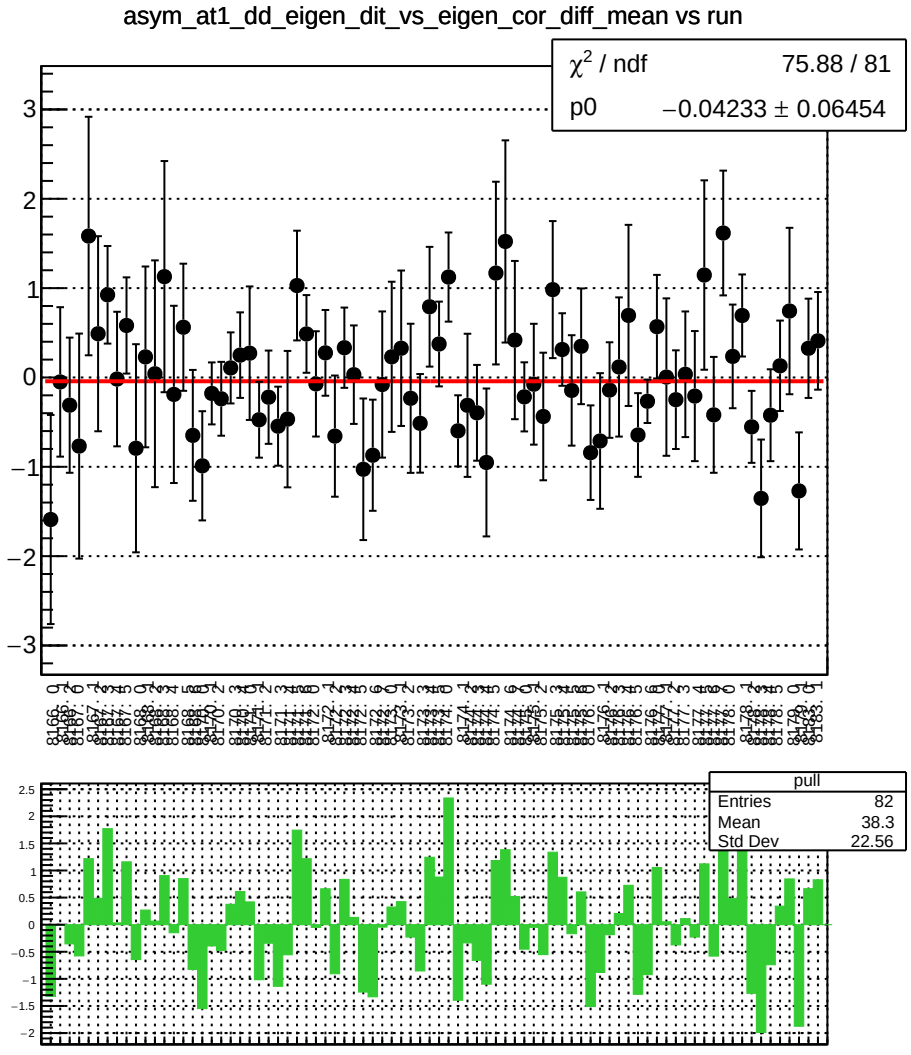

pull1D
Entries 82
Mean 0.009801
Std Dev 1.089

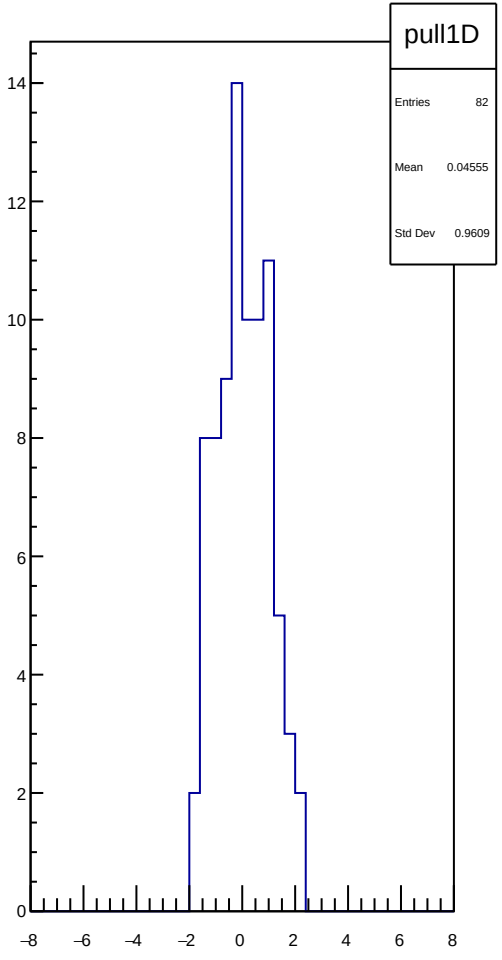

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 5042 / 81
p0 0.0002906 ± 2.313e−07
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26

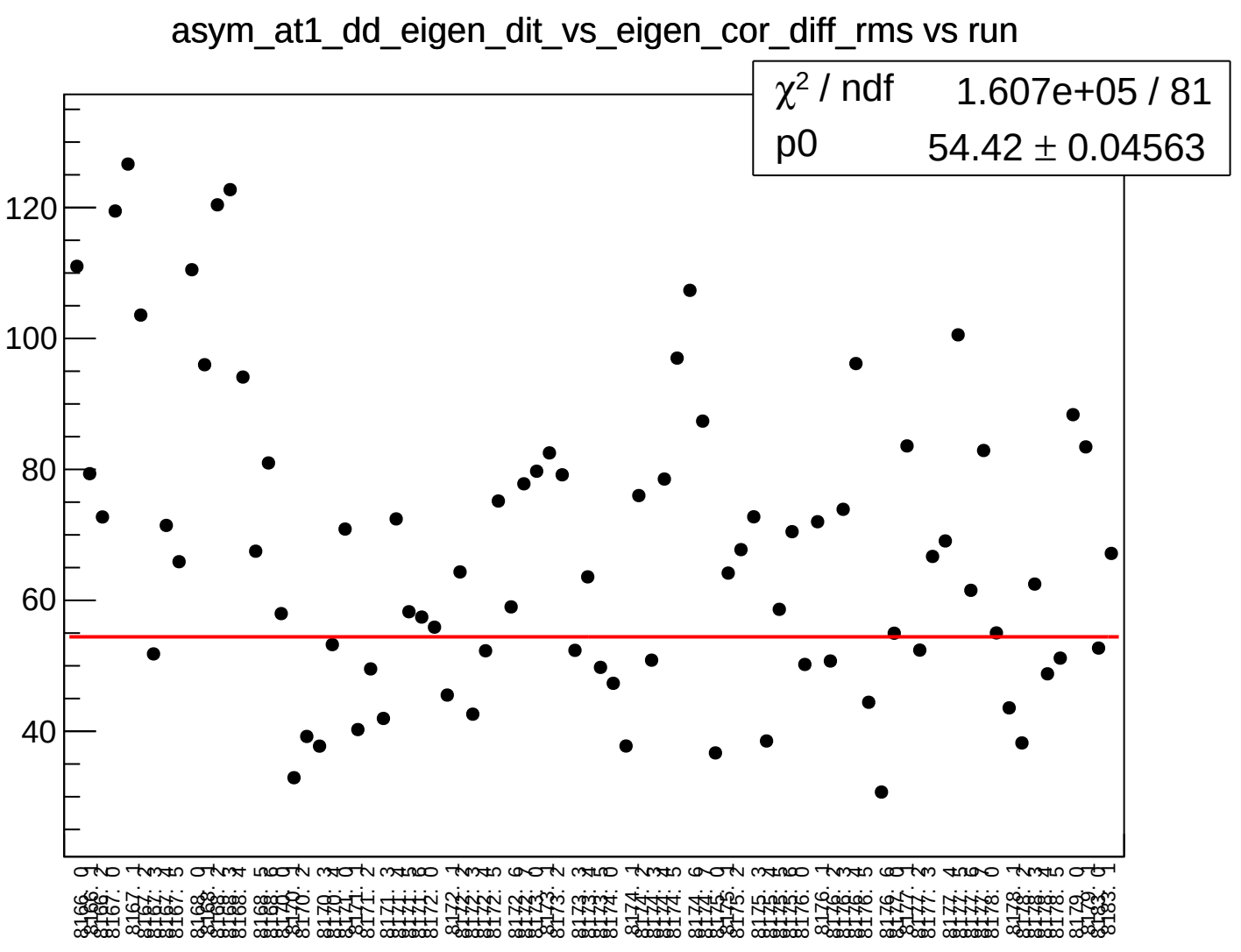

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.88 / 81
p0 −0.04233 ± 0.06454
pull
Entries 82
Mean 38.3
Std Dev 22.56

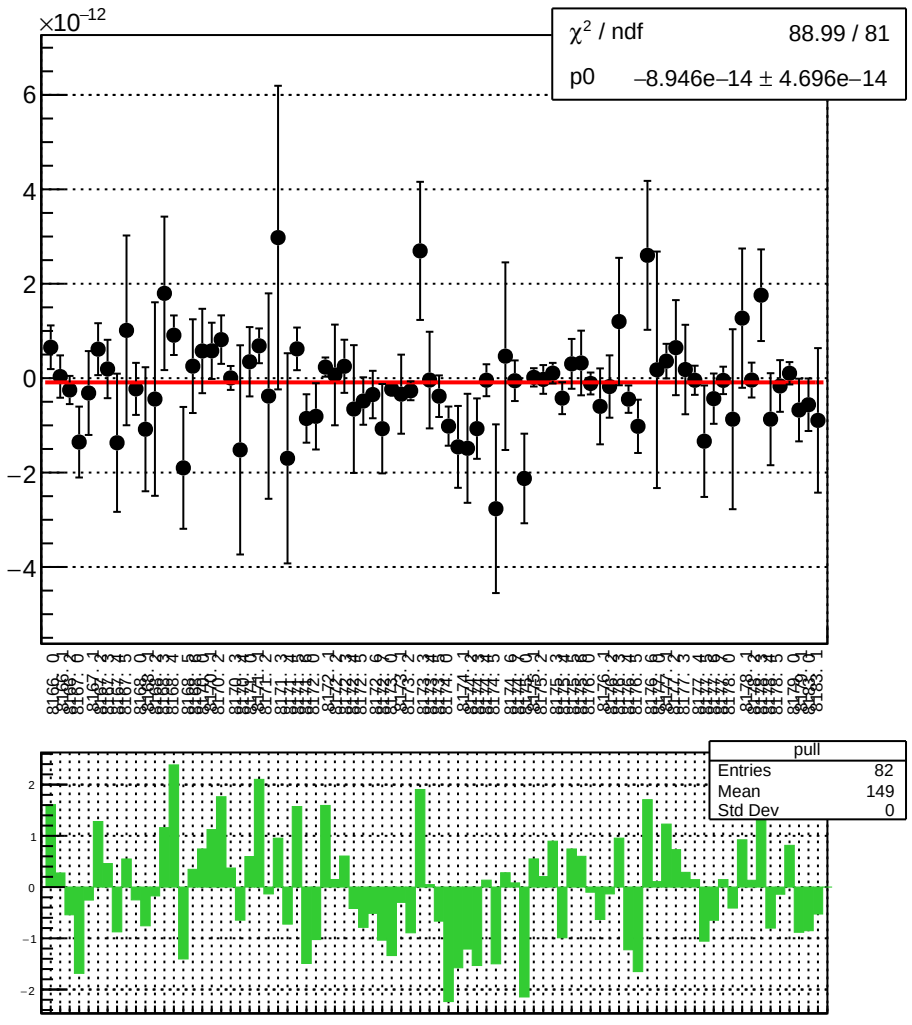

pull1D
Entries 82
Mean 0.04555
Std Dev 0.9609

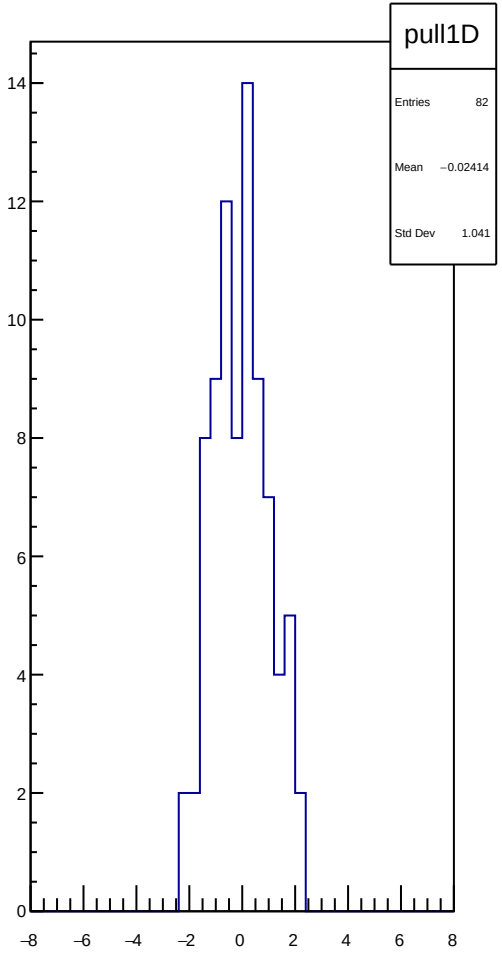

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.607e+05 / 81
p0 54.42 ± 0.04563
120
100
80
60
40

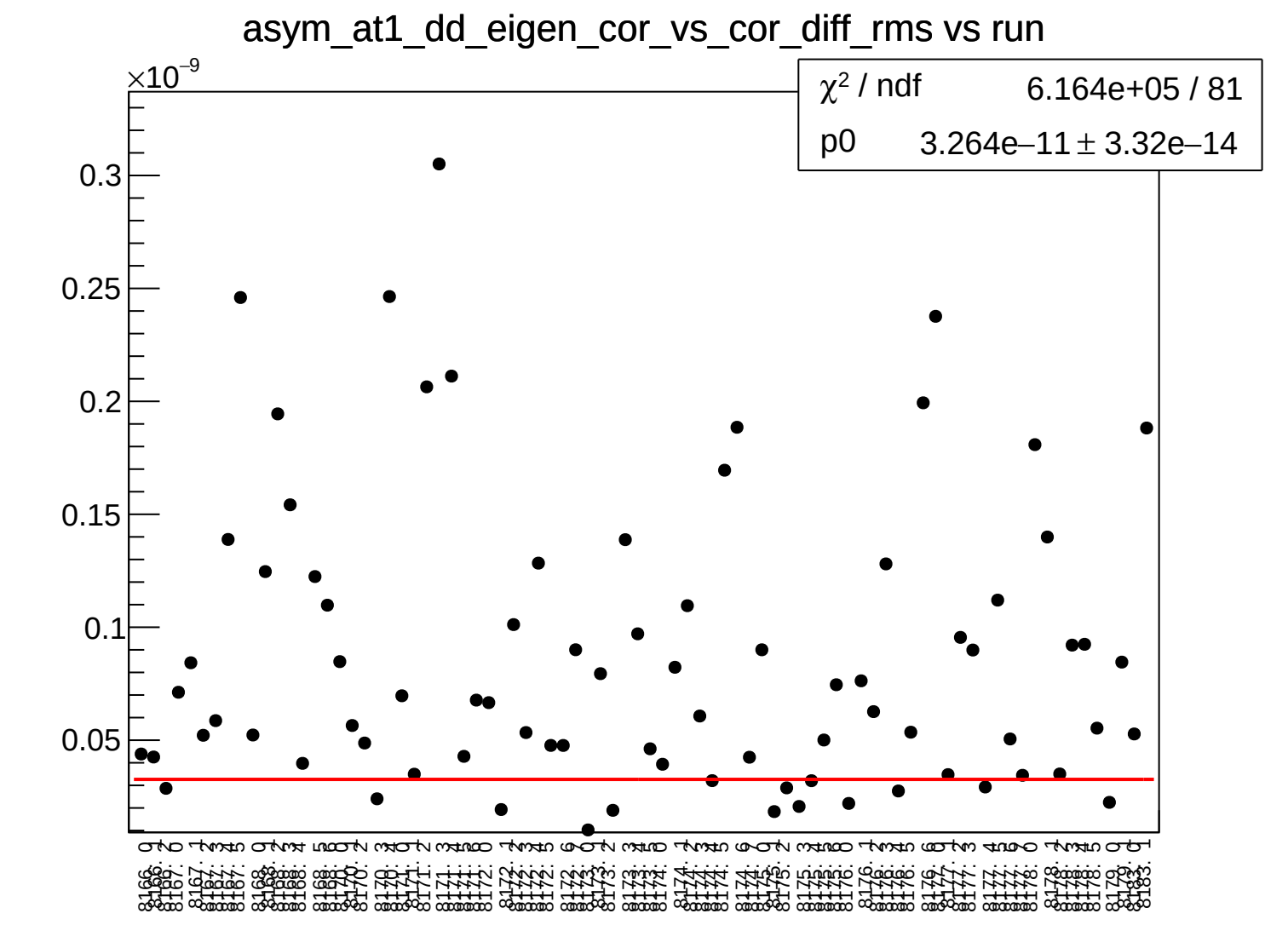

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.88 / 81
p0 −0.04233 ± 0.06454
pull
Entries 82
Mean 38.3
Std Dev 22.56

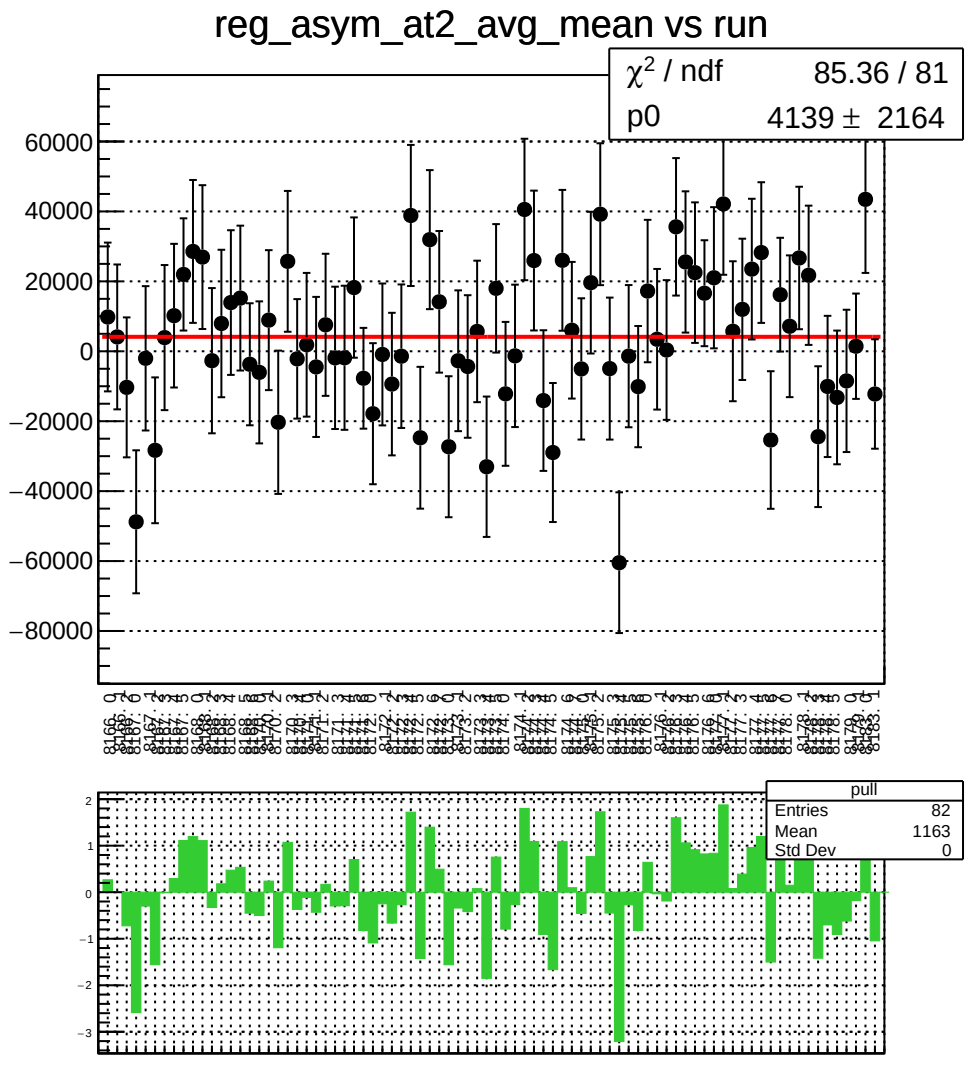

pull1D
Entries 82
Mean 0.04555
Std Dev 0.9609

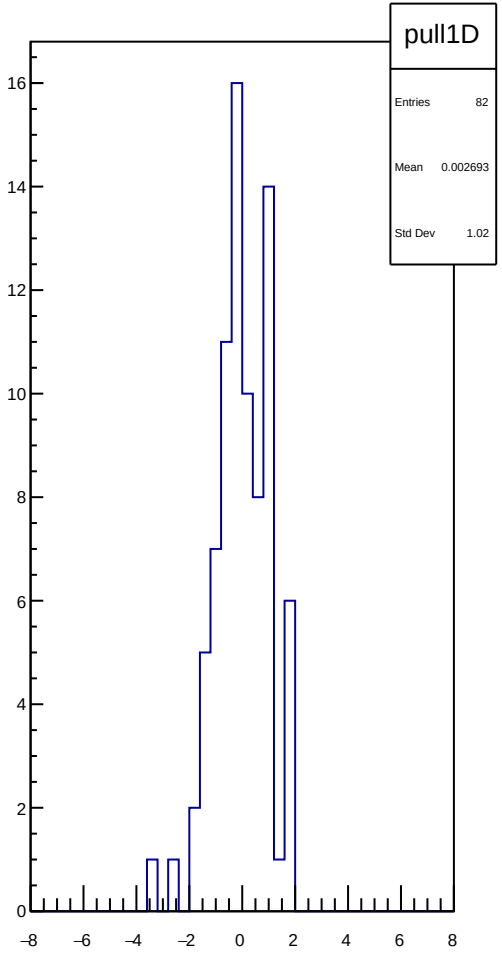

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.607e+05 / 81
p0 54.42 ± 0.04563
120
100
80
60
40

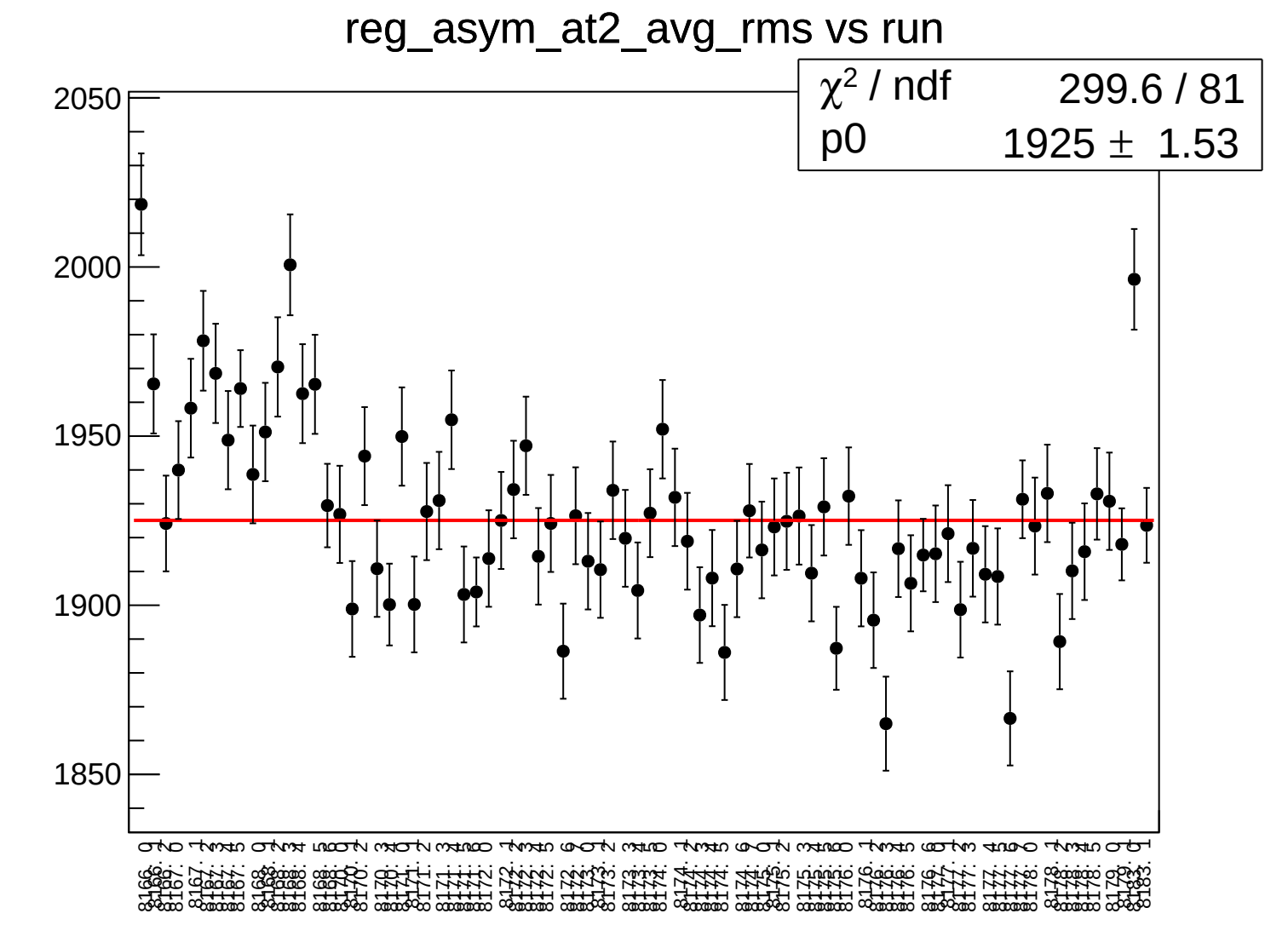

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.99 / 81
p0 −8.946e−14 ± 4.696e−14
pull
Entries 82
Mean 149
Std Dev 0

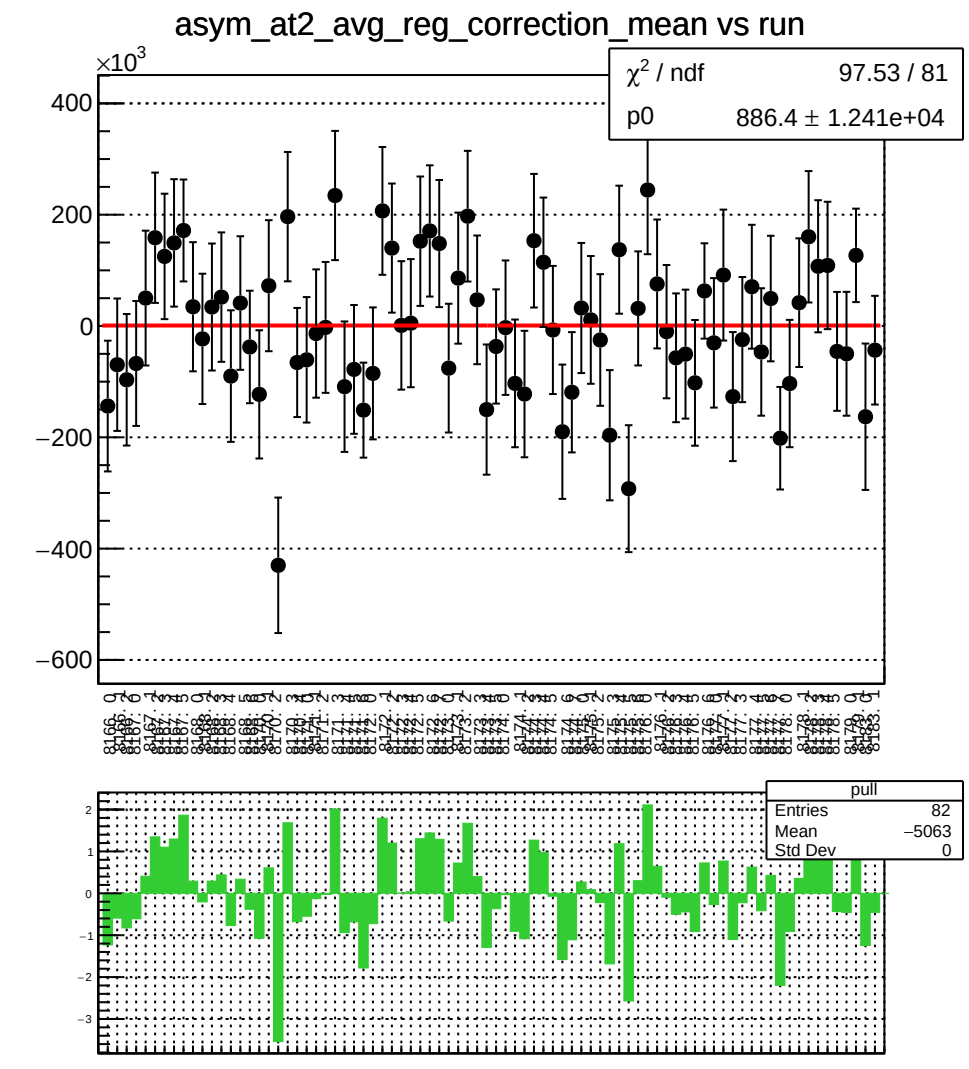

pull1D
Entries 82
Mean −0.02414
Std Dev 1.041

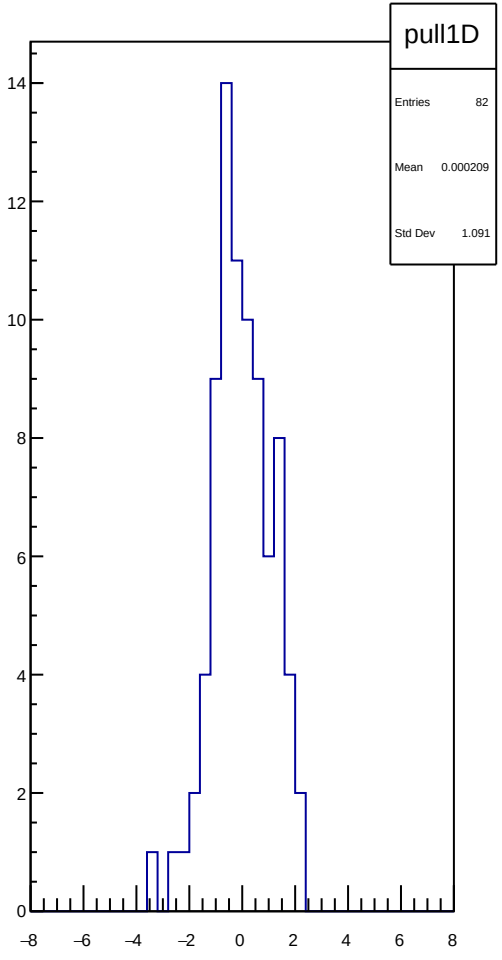

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.164e+05 / 81
p0 3.264e−11 ± 3.32e−14
0.3
0.25
0.2
0.15
0.1
0.05

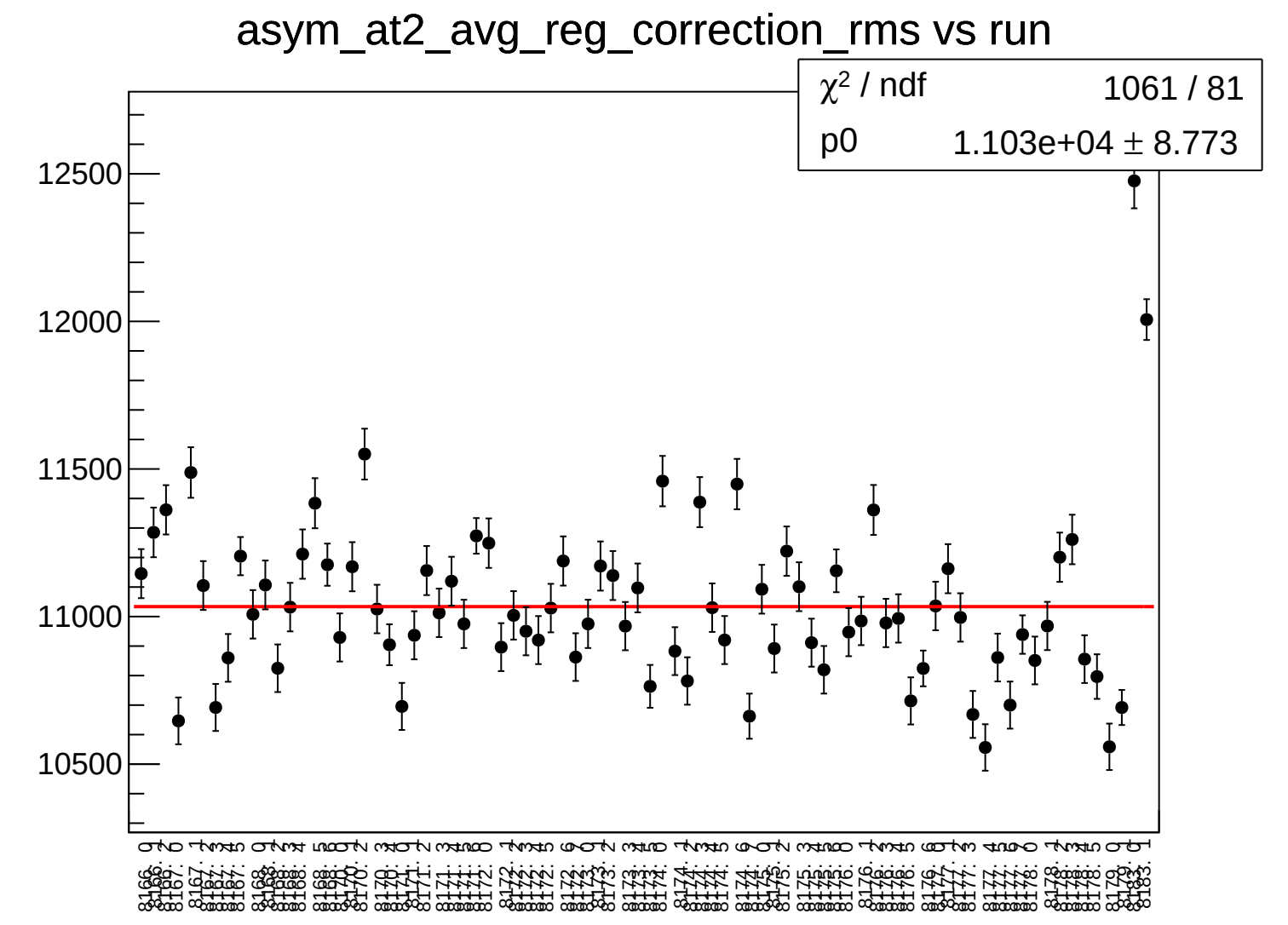

reg_asym_at2_avg_mean vs run
χ² / ndf 85.36 / 81
p0 4139 ± 2164
pull
Entries 82
Mean 1163
Std Dev 0

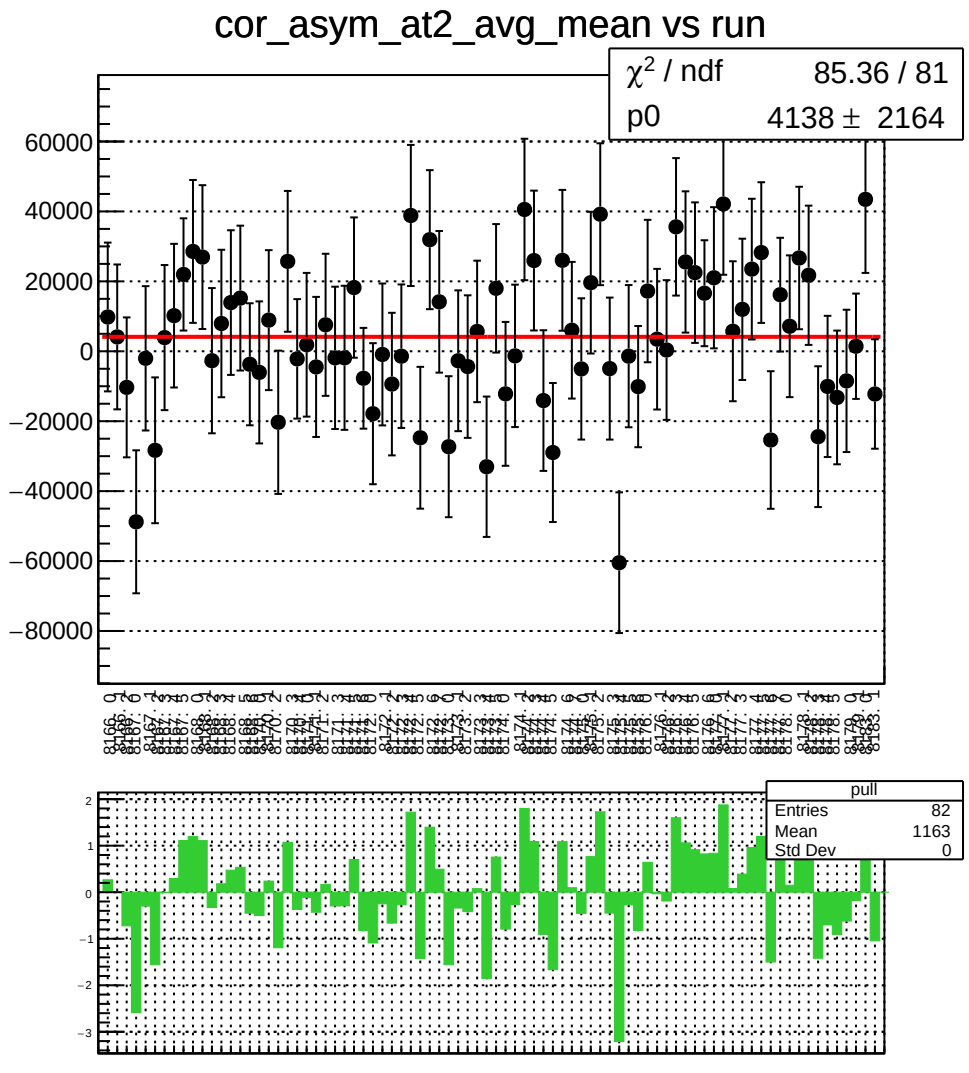

pull1D
Entries 82
Mean 0.002693
Std Dev 1.02

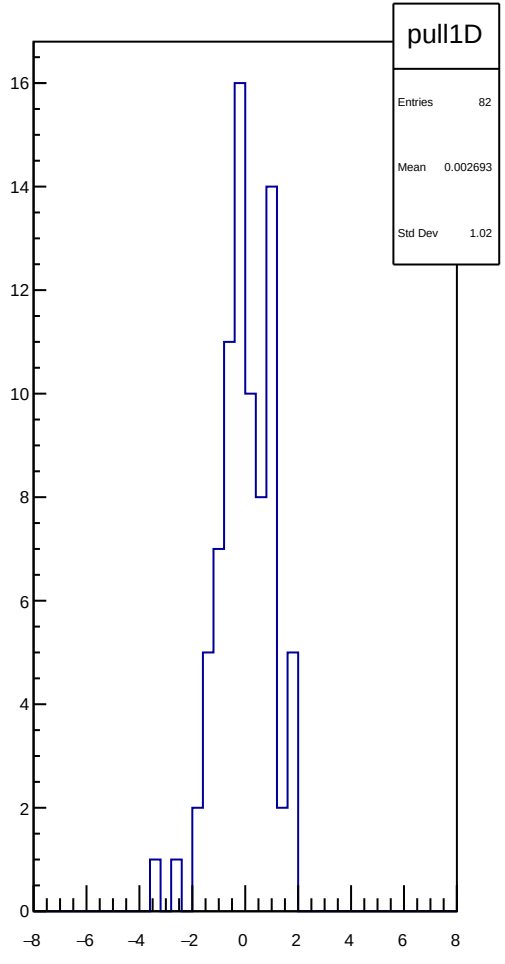

reg_asym_at2_avg_rms vs run
χ² / ndf 299.6 / 81
p0 1925 ± 1.53
2050
2000
1950
1900
1850

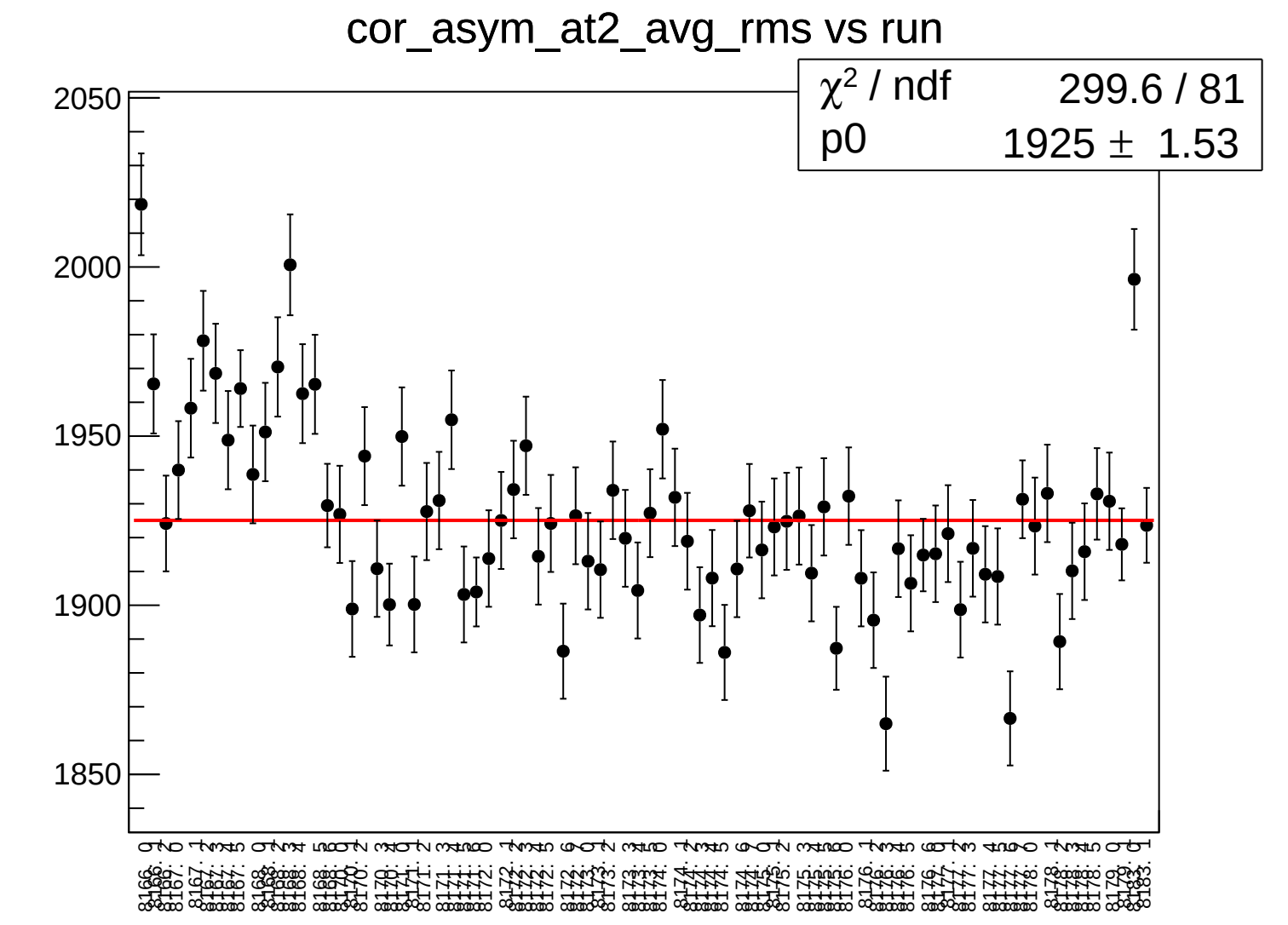

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.53 / 81
p0 886.4 ± 1.241e+04
pull
Entries 82
Mean −5063
Std Dev 0

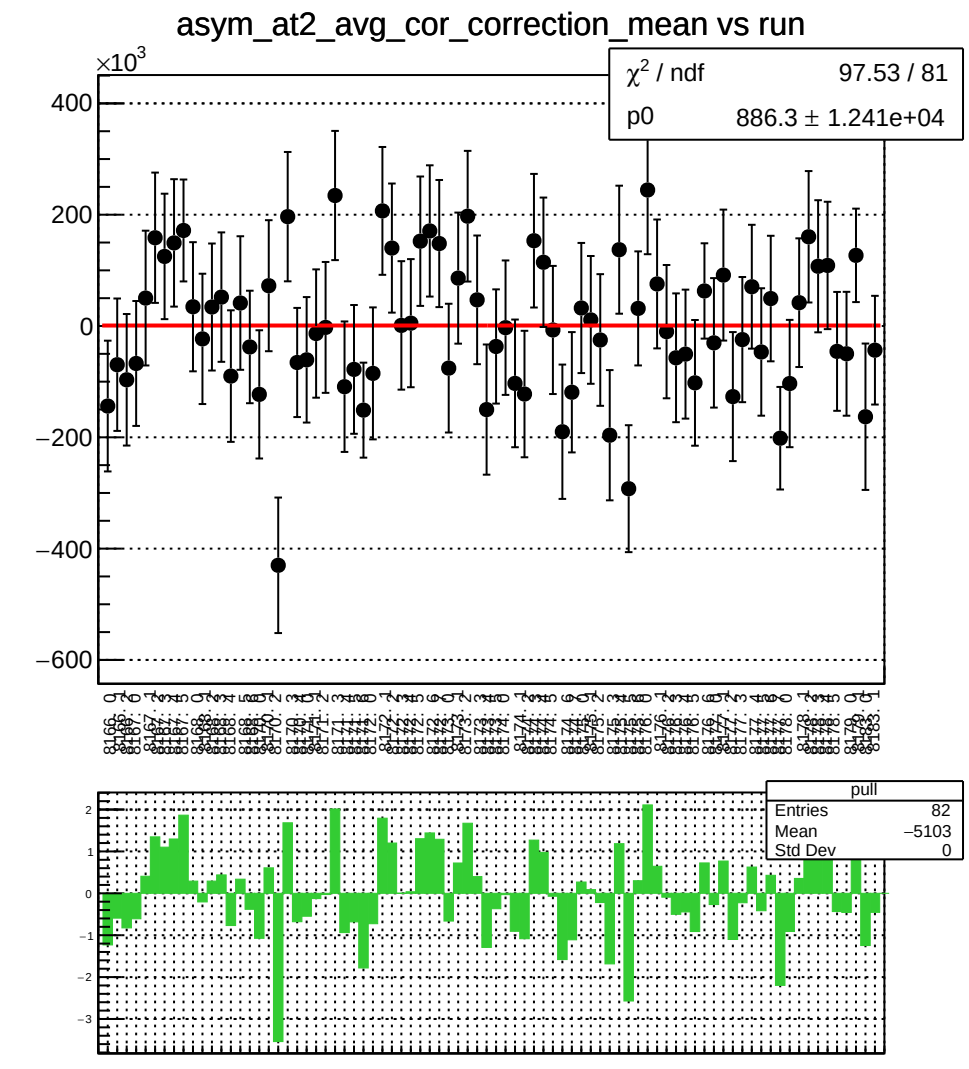

pull1D
Entries 82
Mean 0.000209
Std Dev 1.091

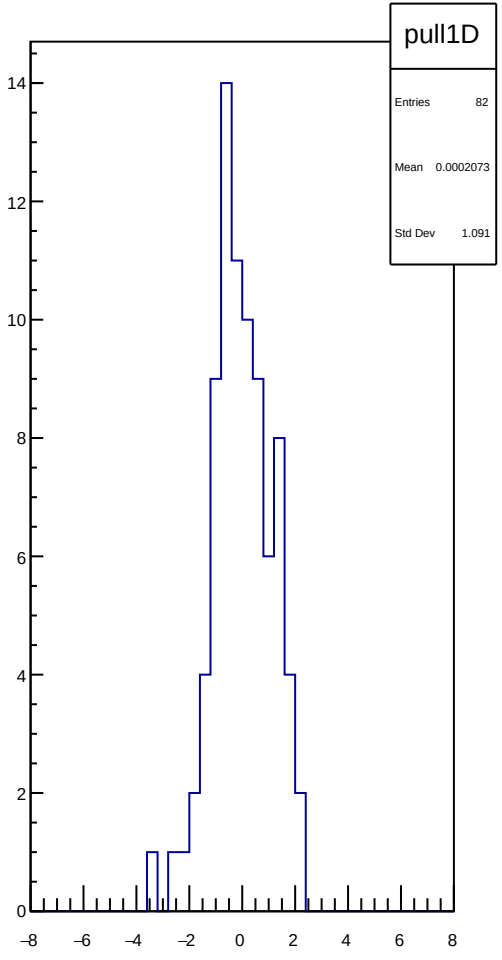

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1061 / 81
p0 1.103e+04 ± 8.773
12500
12000
11500
11000
10500

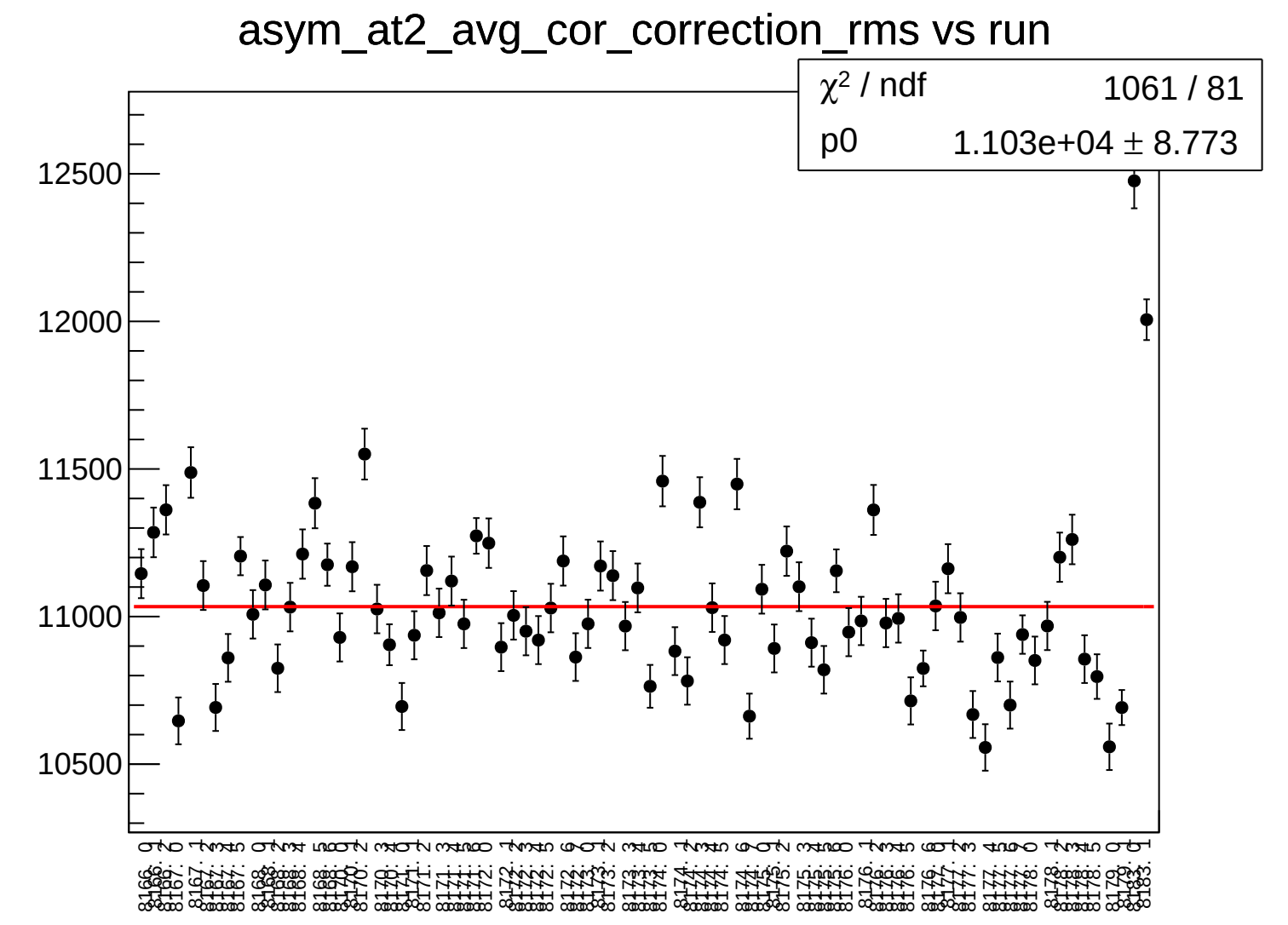

cor_asym_at2_avg_mean vs run
χ² / ndf 85.36 / 81
p0 4138 ± 2164
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 1163
Std Dev 0
2
1
0
−1
−2
−3

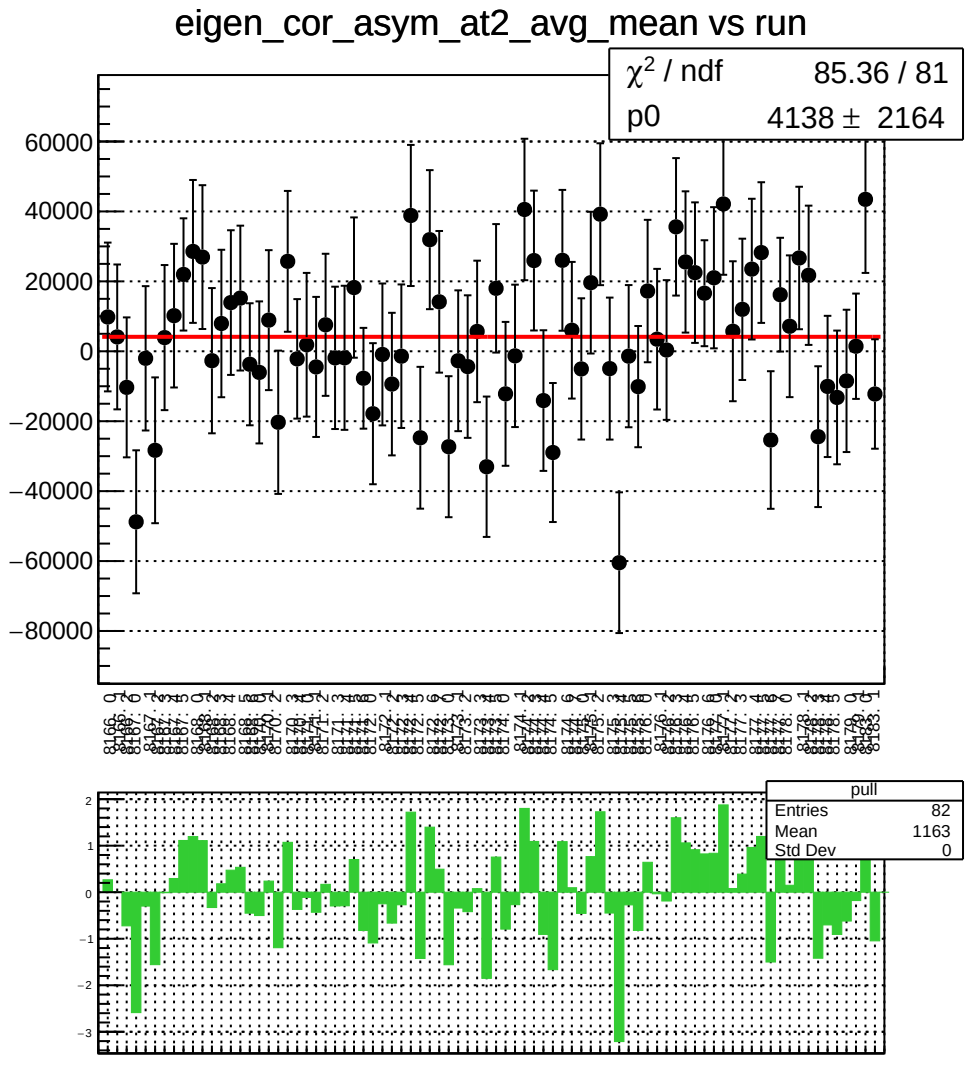

pull1D
Entries 82
Mean 0.002693
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

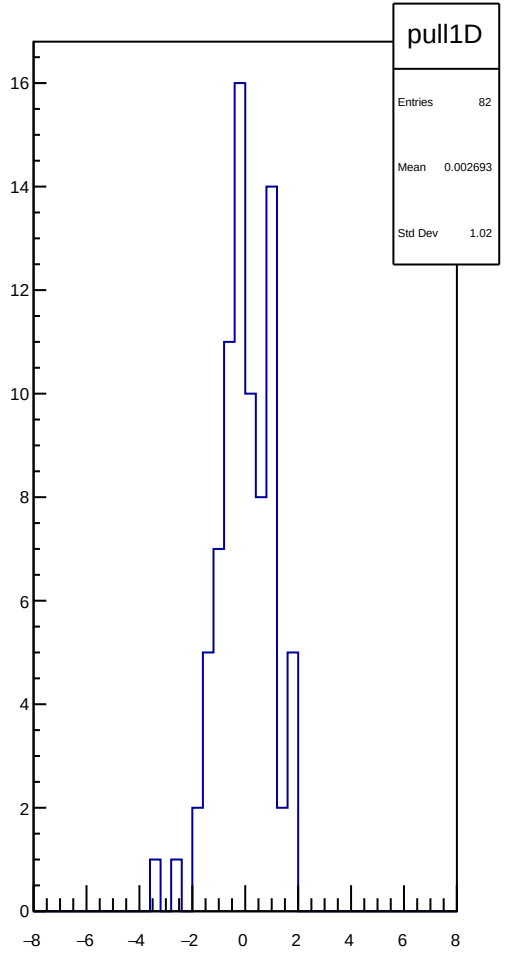

cor_asym_at2_avg_rms vs run
χ² / ndf 299.6 / 81
p0 1925 ± 1.53
2050
2000
1950
1900
1850

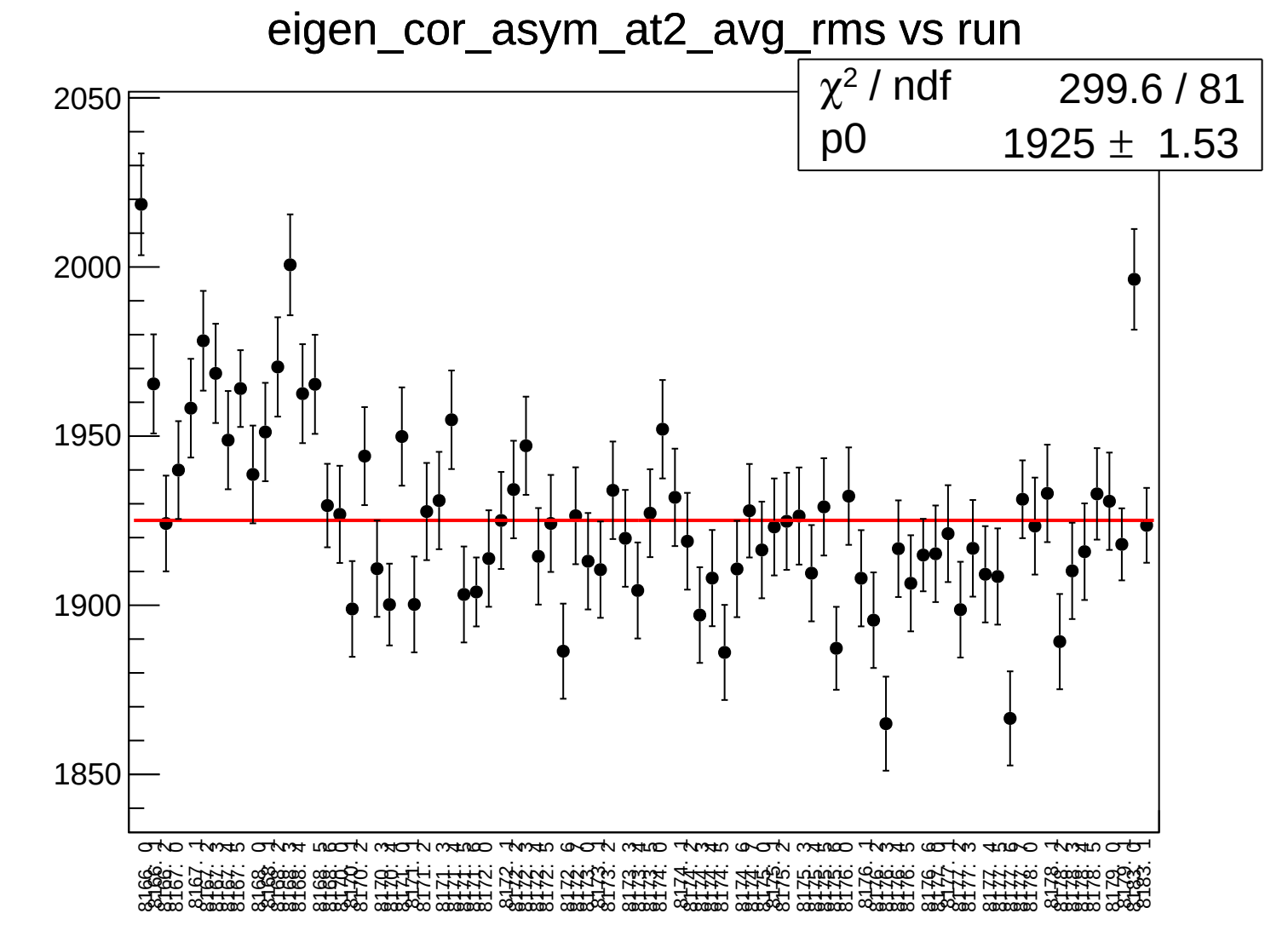

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 97.53 / 81
p0 886.3 ± 1.241e+04
pull
Entries 82
Mean −5103
Std Dev 0

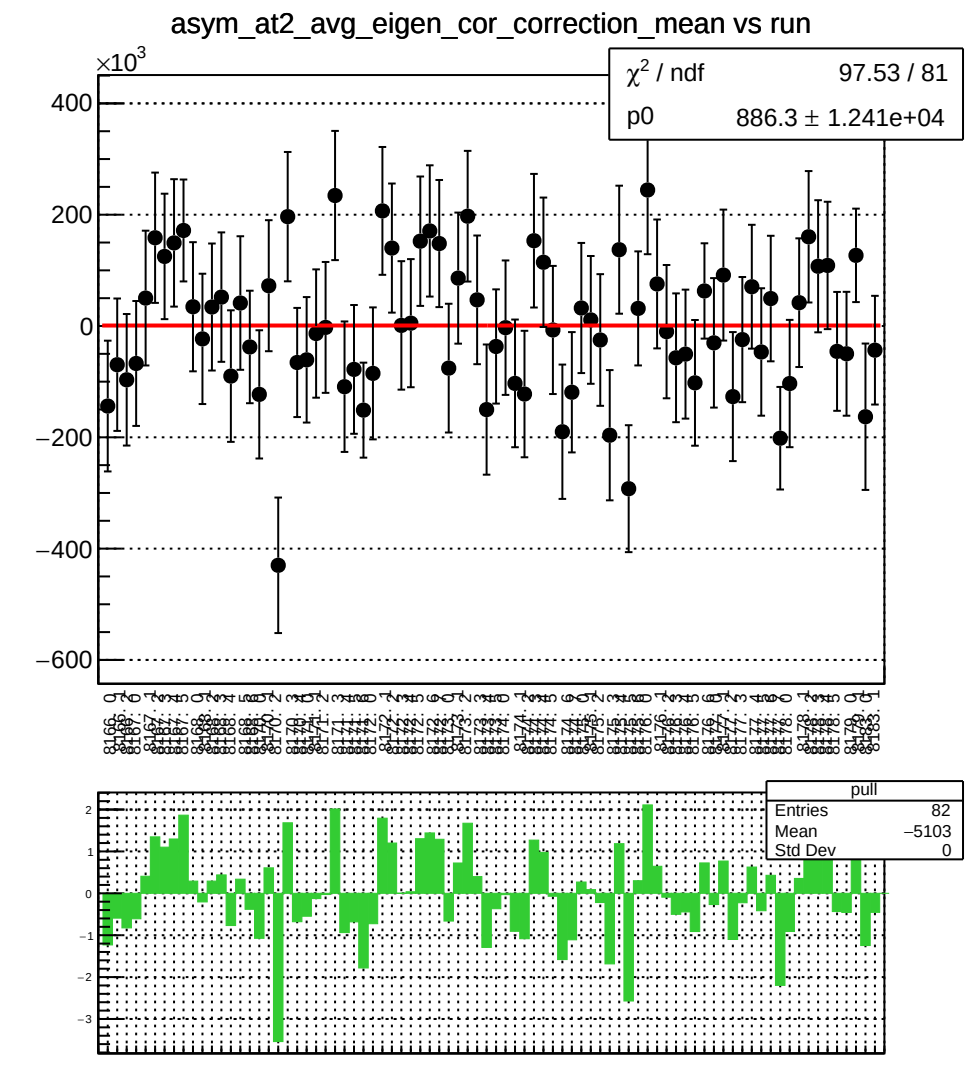

pull1D
Entries 82
Mean 0.0002073
Std Dev 1.091

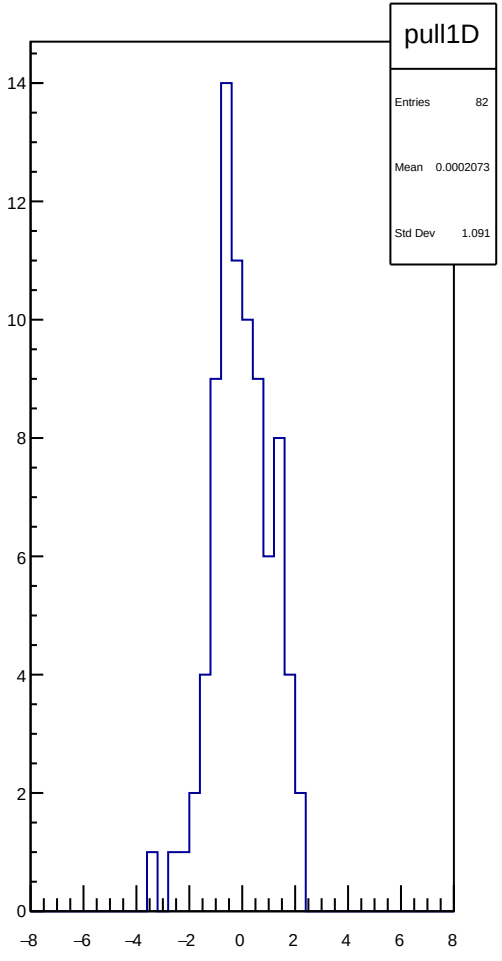

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1061 / 81
p0 1.103e+04 ± 8.773
12500
12000
11500
11000
10500

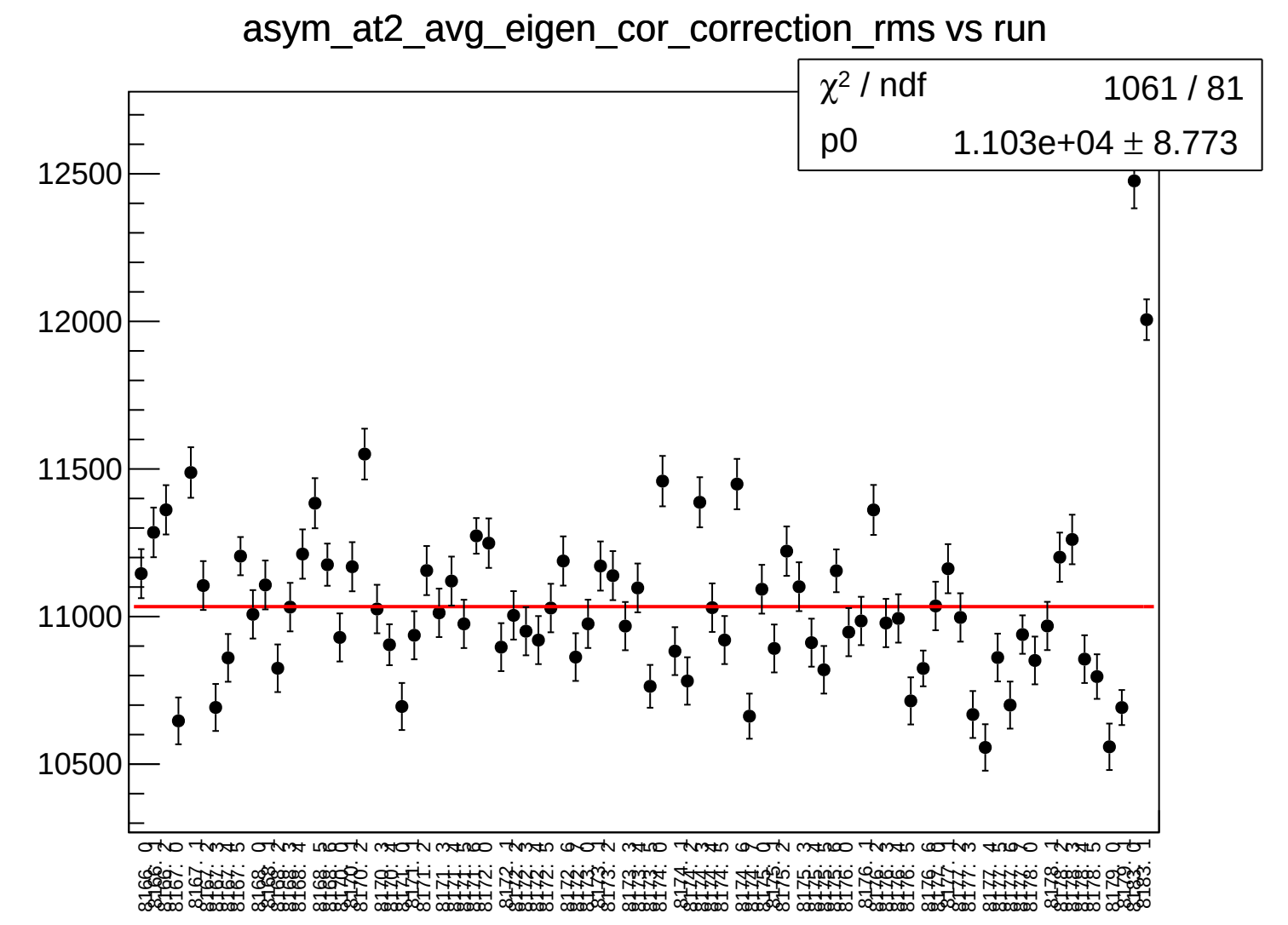

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 85.36 / 81
p0 4138 ± 2164
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 1163
Std Dev 0
2
1
0
−1
−2
−3

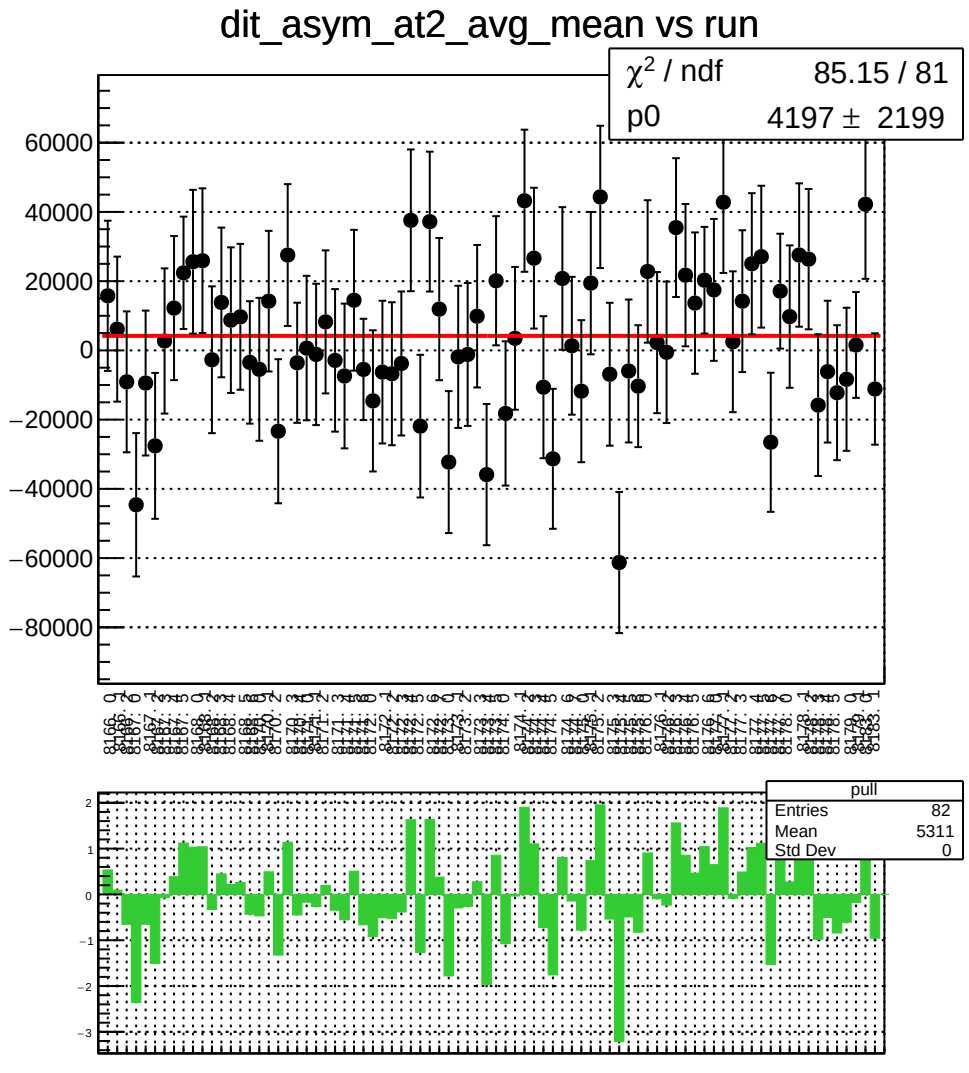

pull1D
Entries 82
Mean 0.002693
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

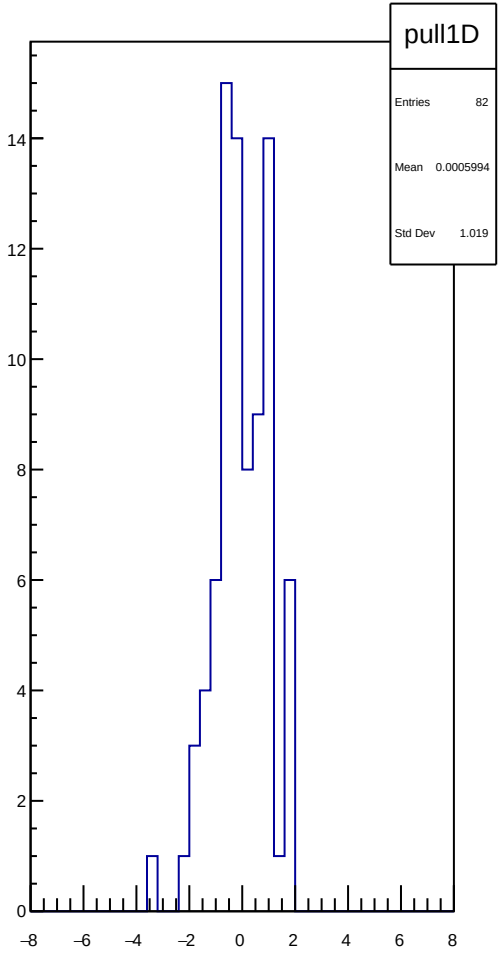

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 299.6 / 81
p0 1925 ± 1.53
2050
2000
1950
1900
1850

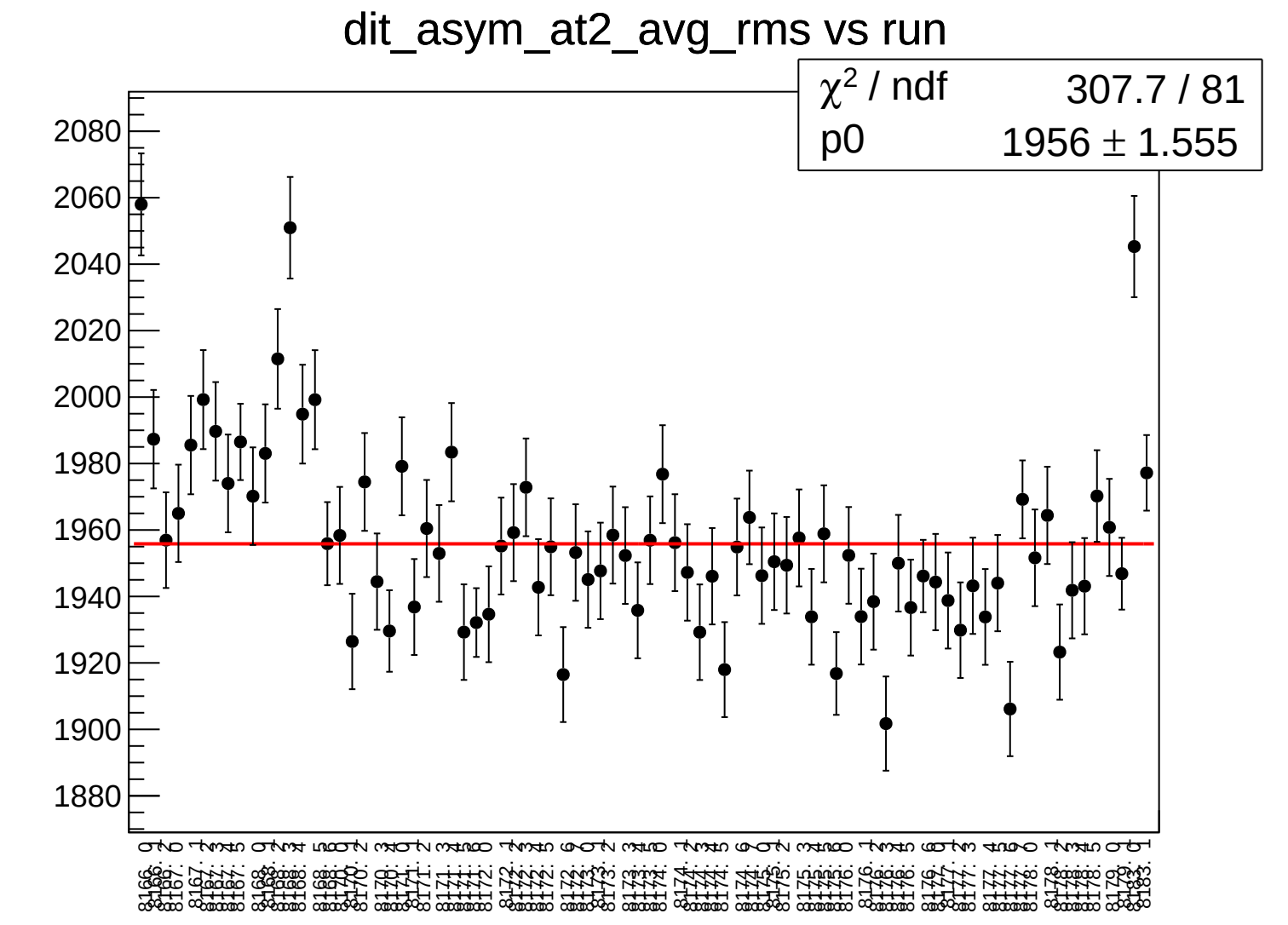

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.53 / 81
p0 886.3 ± 1.241e+04
pull
Entries 82
Mean −5103
Std Dev 0

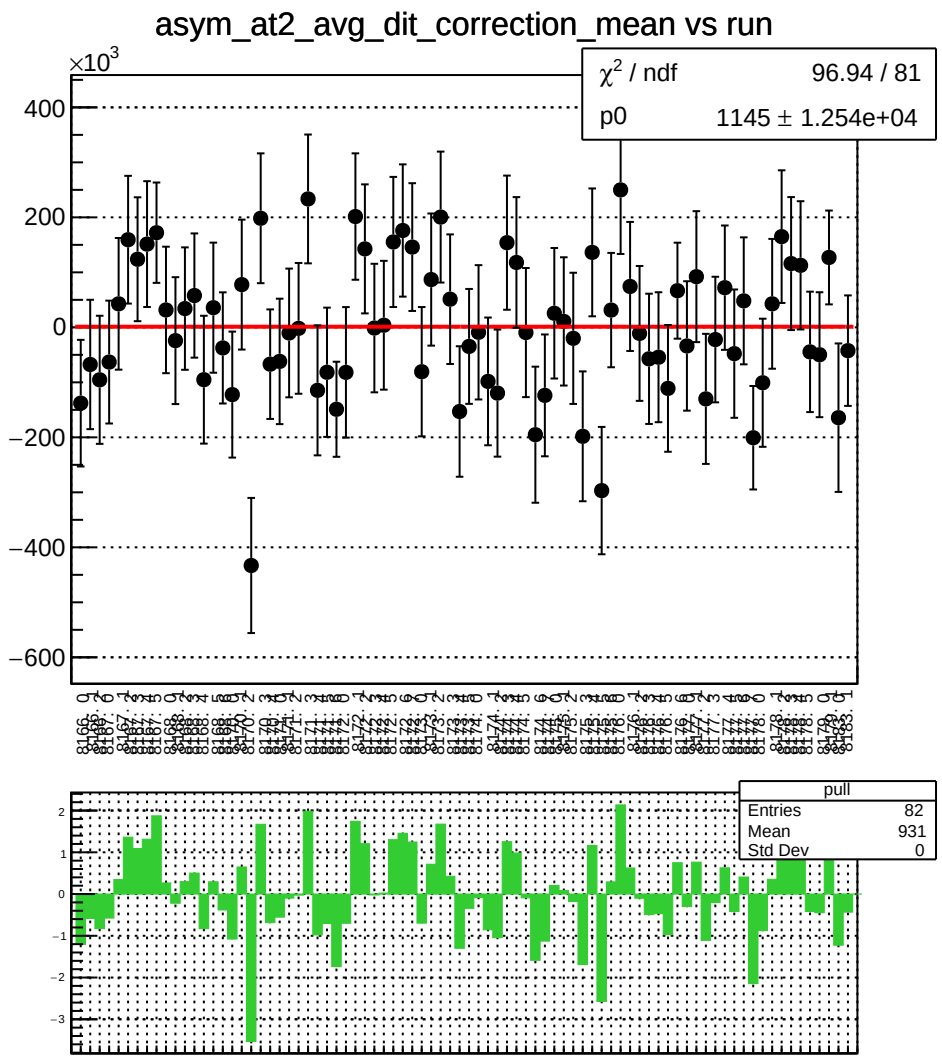

pull1D
Entries 82
Mean 0.0002073
Std Dev 1.091

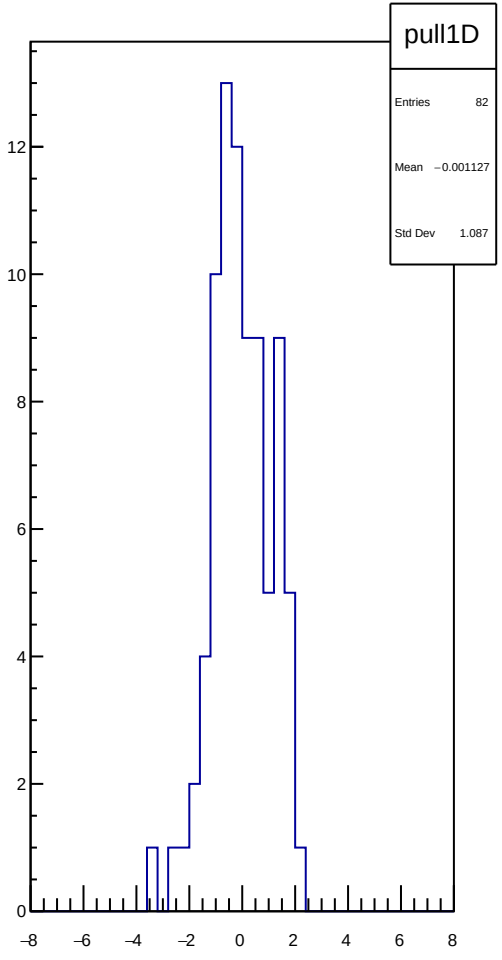

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1061 / 81
p0 1.103e+04 ± 8.773
12500
12000
11500
11000
10500

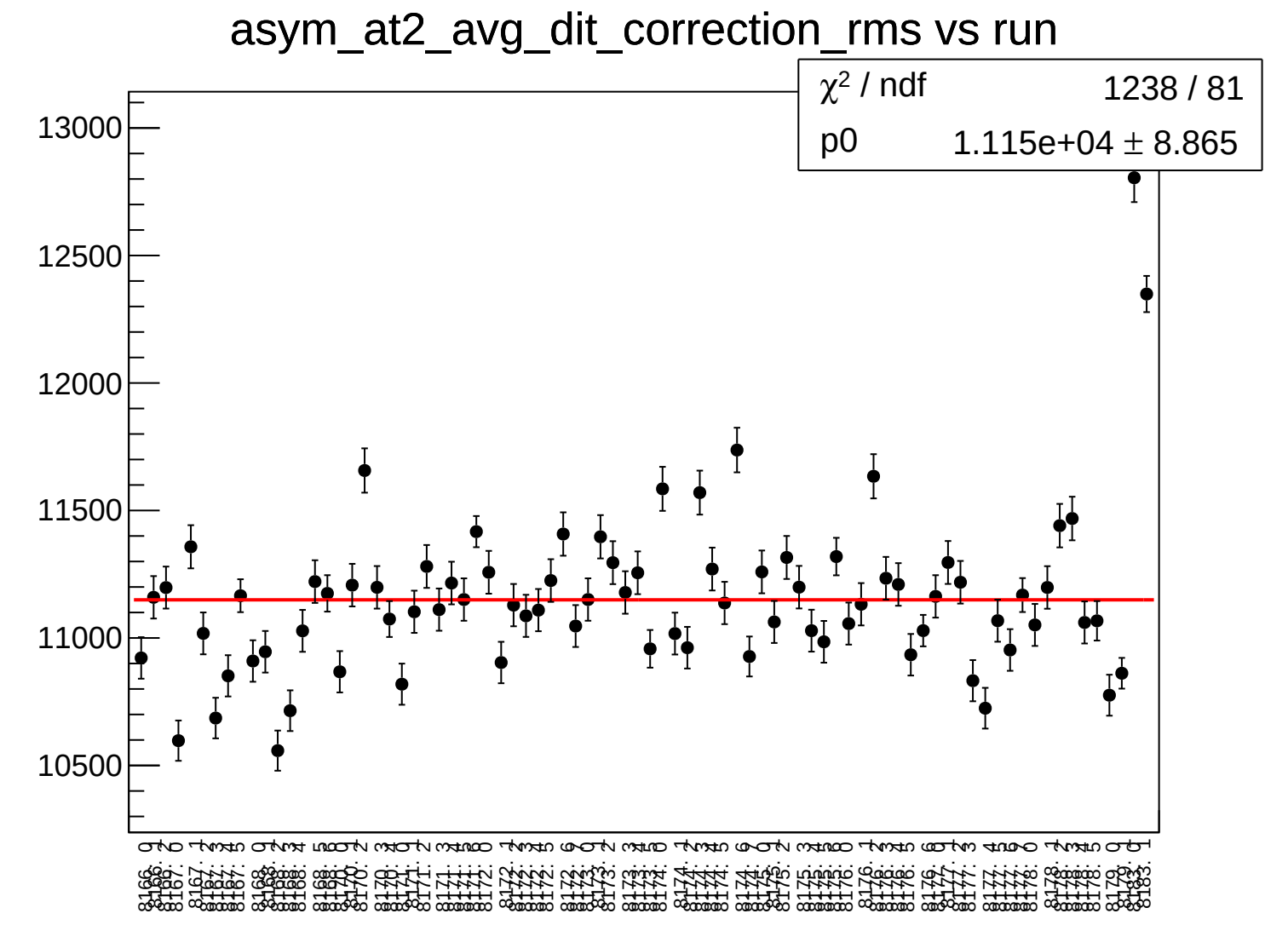

dit_asym_at2_avg_mean vs run
χ² / ndf 85.15 / 81
p0 4197 ± 2199
pull
Entries 82
Mean 5311
Std Dev 0

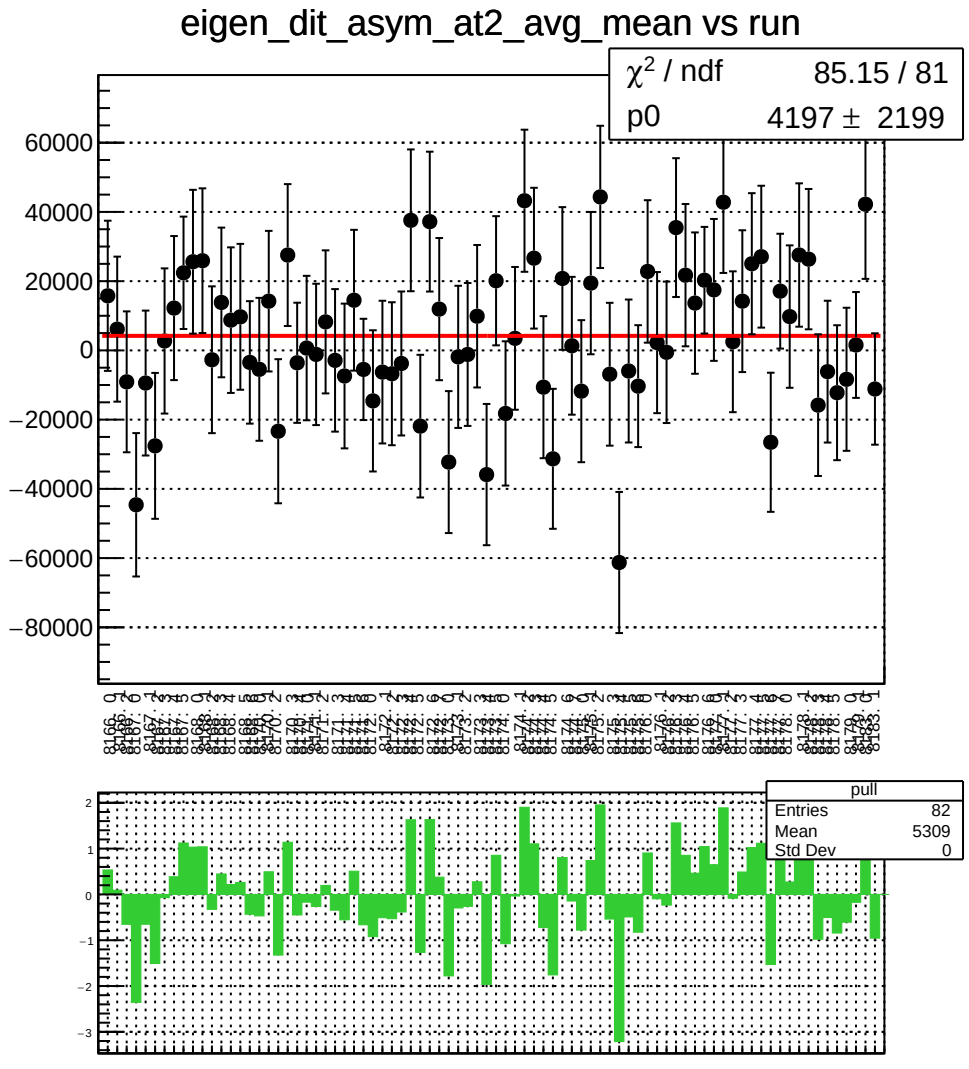

pull1D
Entries 82
Mean 0.0005994
Std Dev 1.019

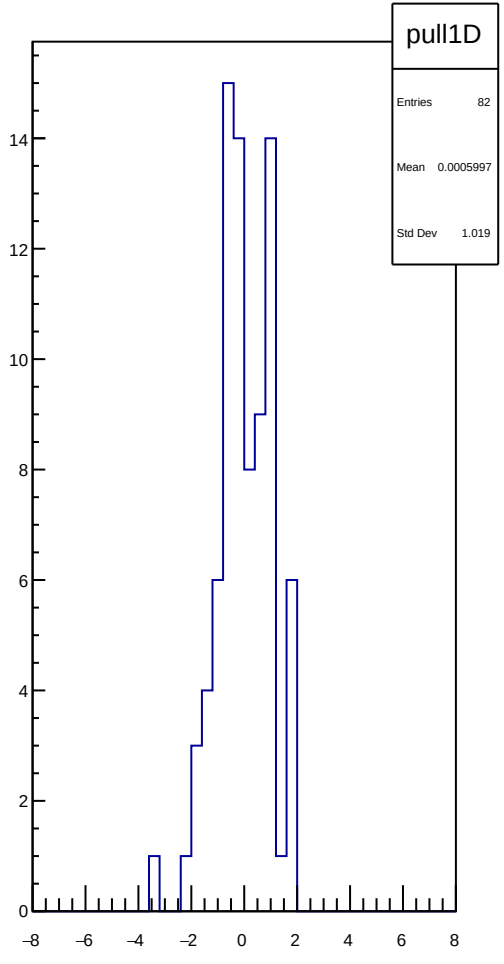

dit_asym_at2_avg_rms vs run
χ² / ndf 307.7 / 81
p0 1956 ± 1.555
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880

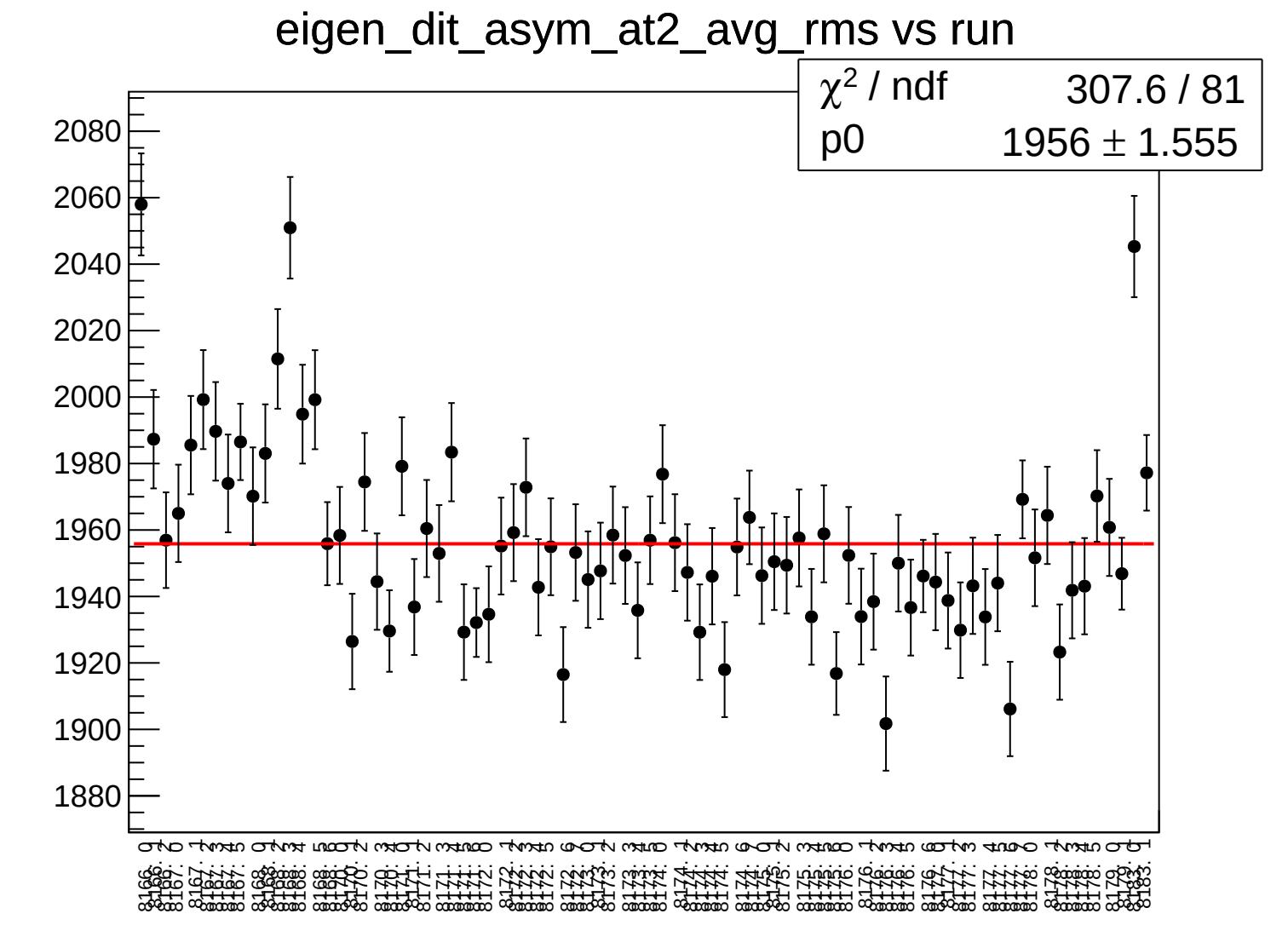

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.94 / 81
p0 1145 ± 1.254e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 931
Std Dev 0
2
1
0
−1
−2
−3

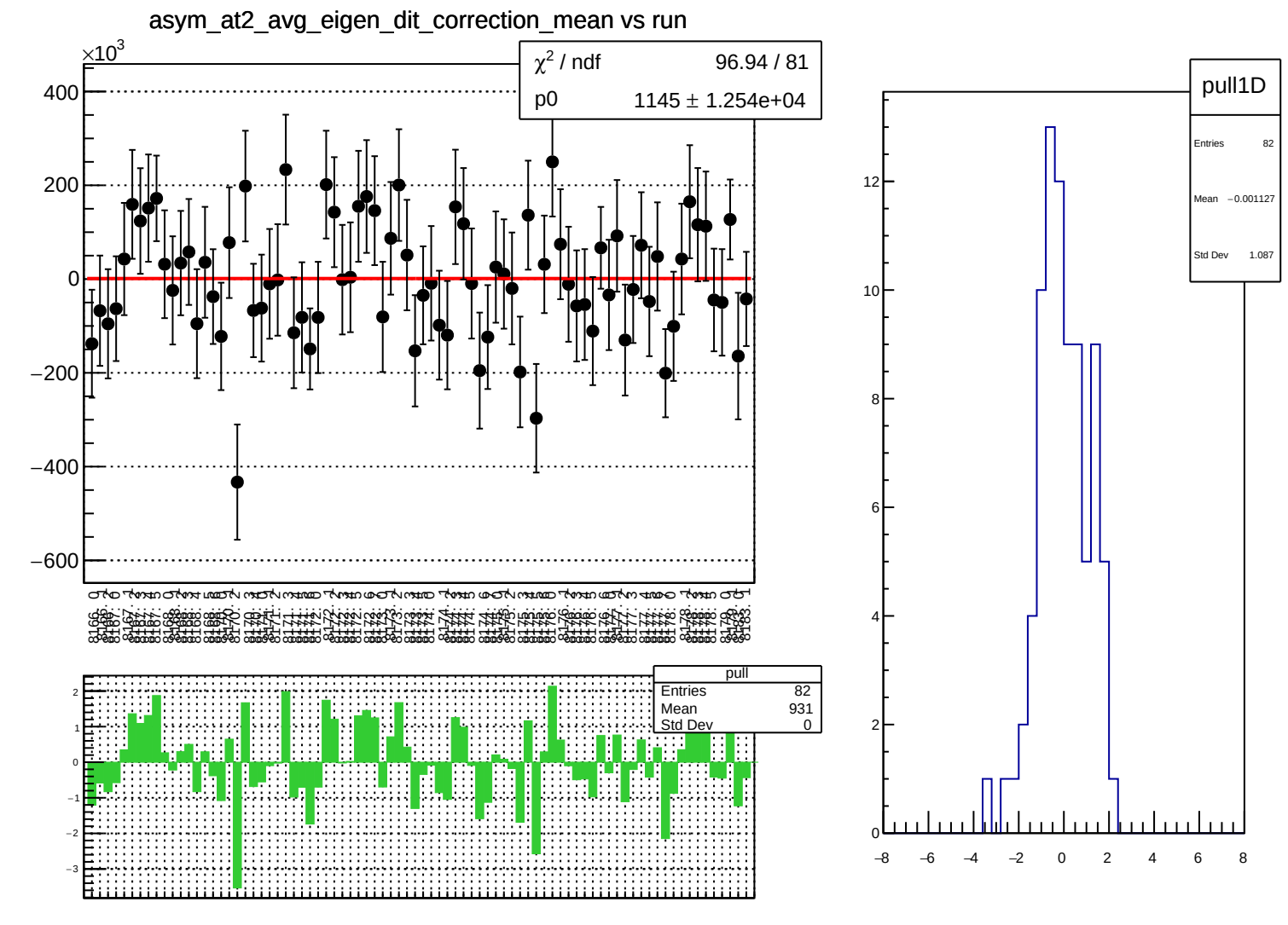

pull1D
Entries 82
Mean −0.001127
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

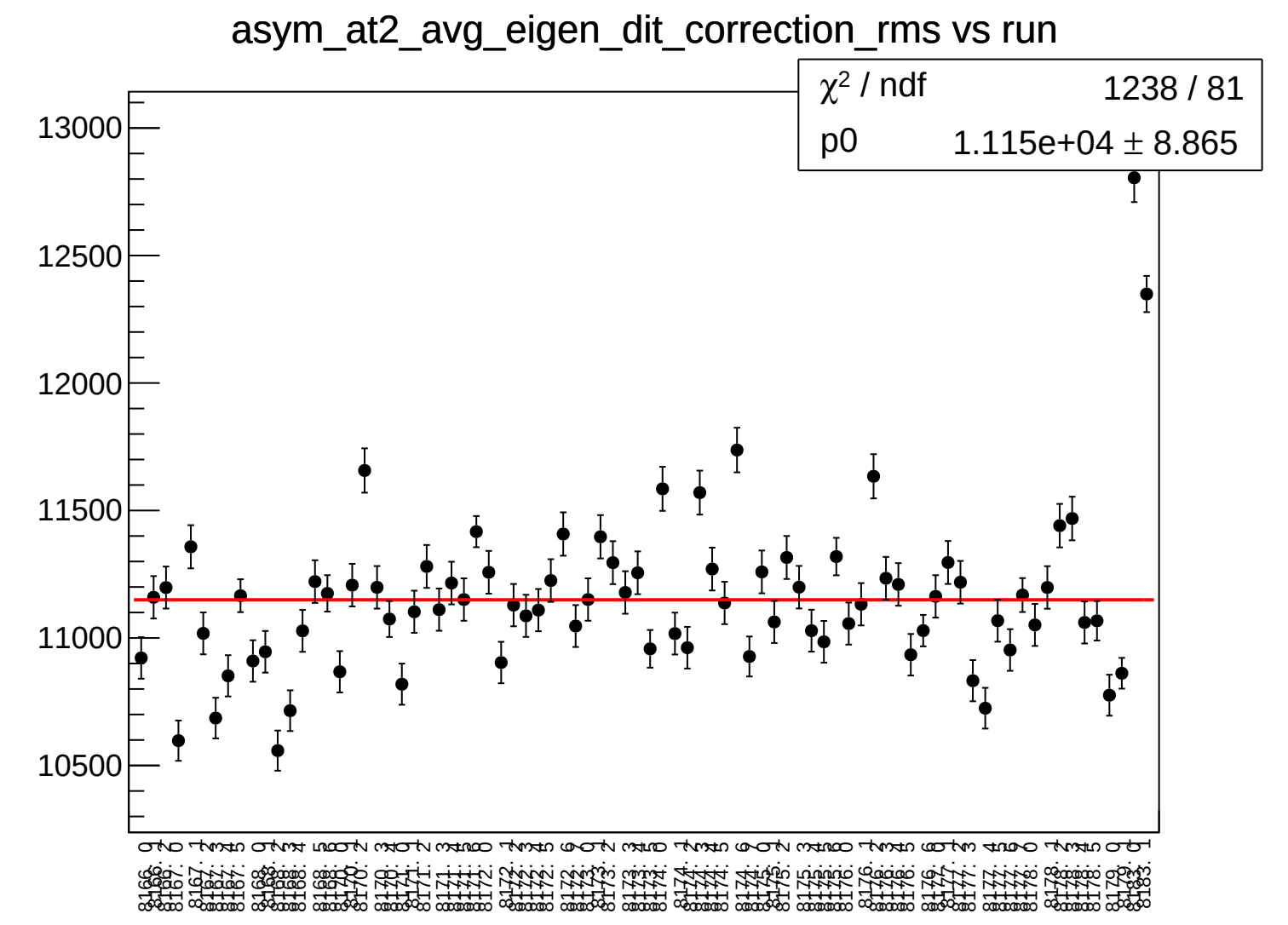

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 1238 / 81
p0 1.115e+04 ± 8.865
13000
12500
12000
11500
11000
10500

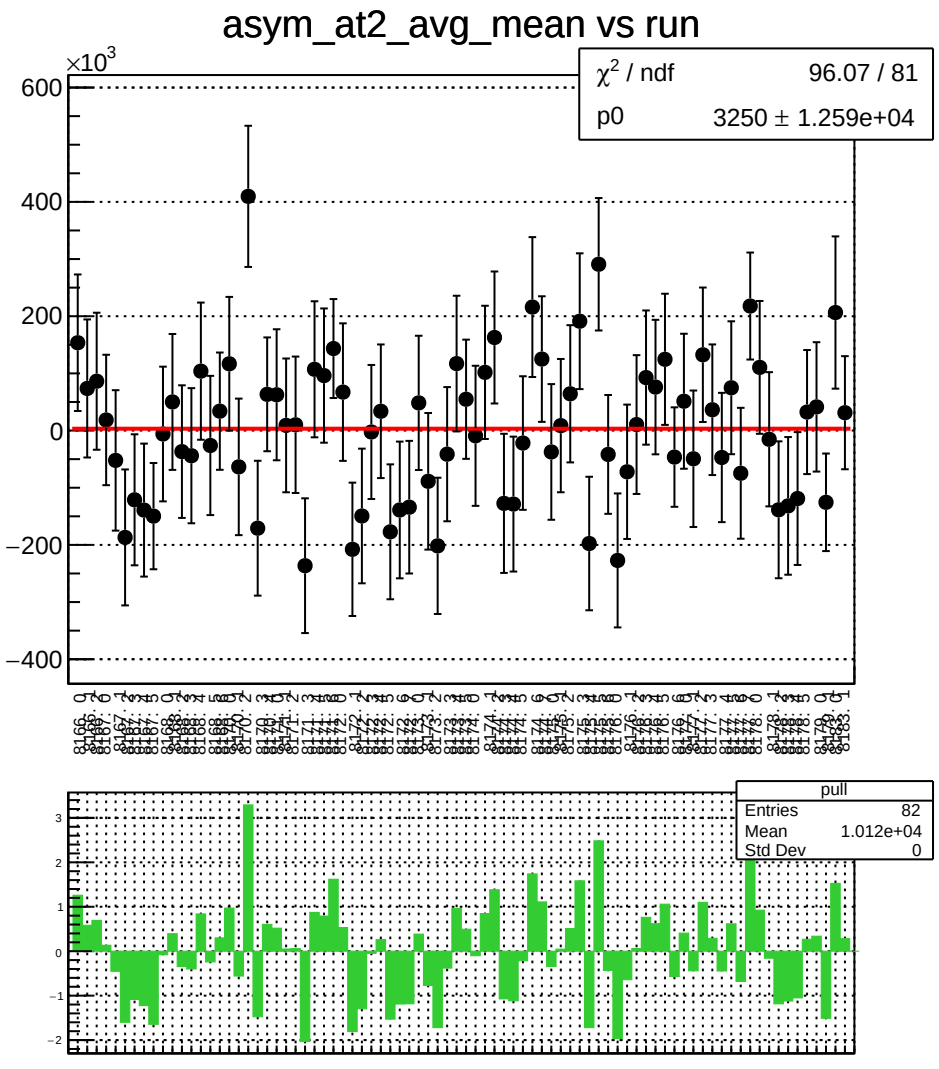

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 85.15 / 81
p0 4197 ± 2199
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 5309
Std Dev 0
2
1
0
−1
−2
−3

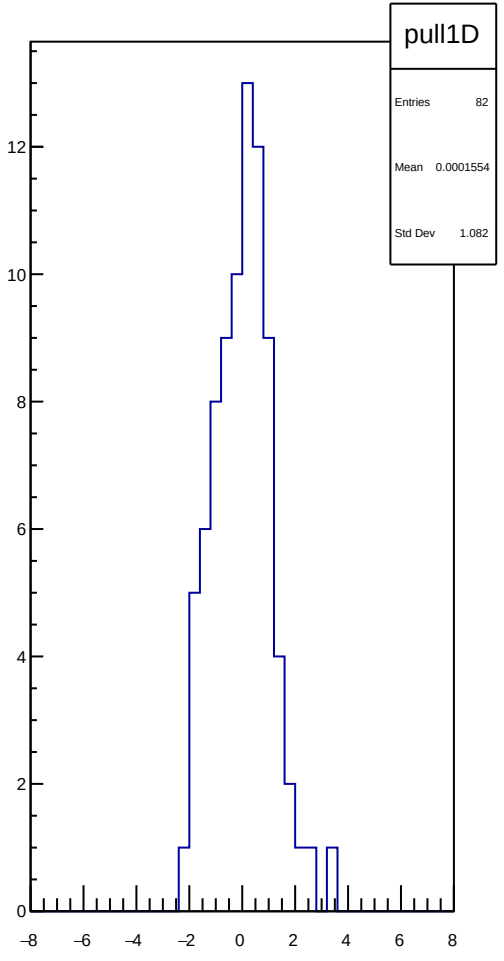

pull1D
Entries 82
Mean 0.0005997
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

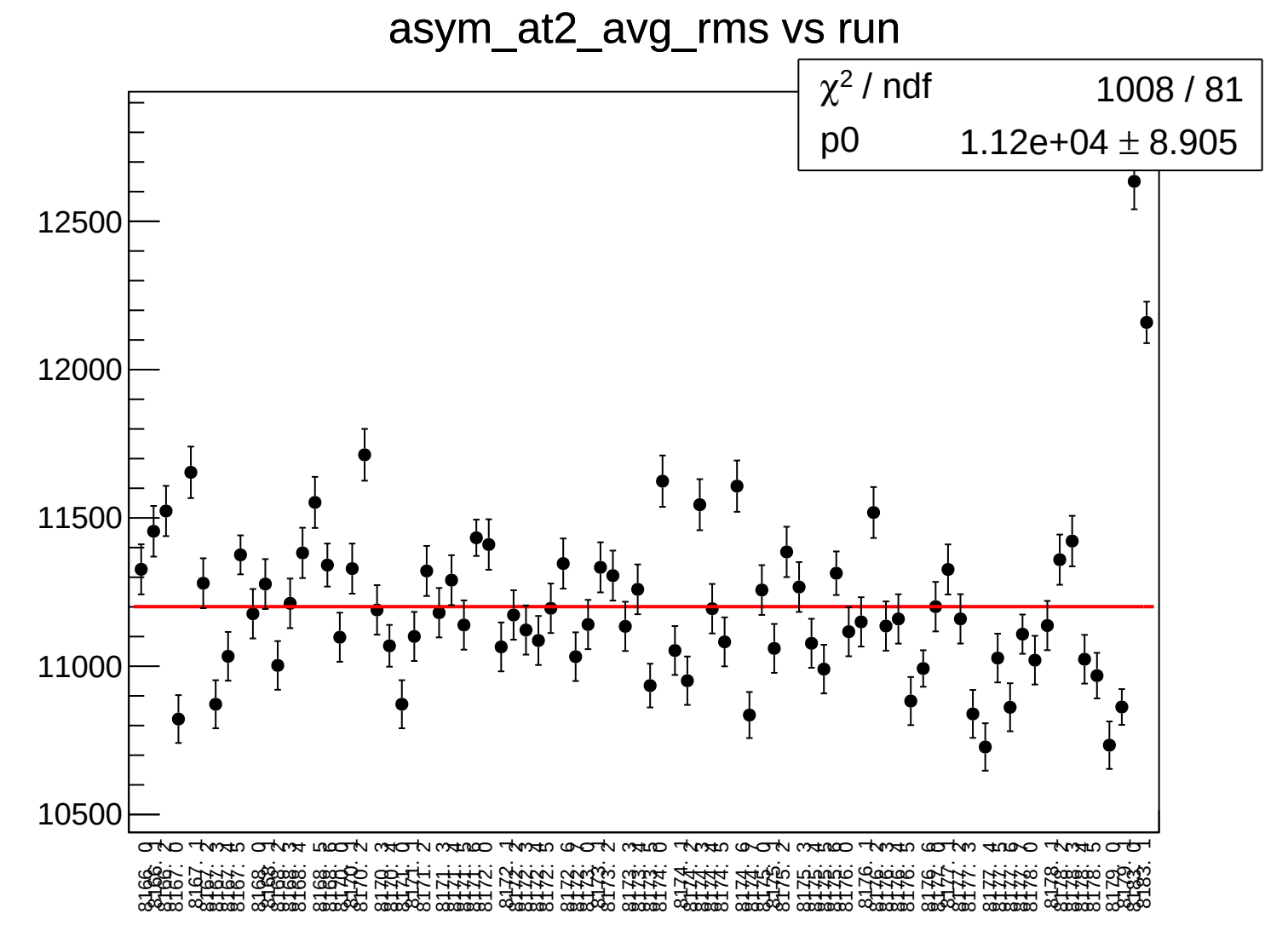

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 307.6 / 81
p0 1956 ± 1.555
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880

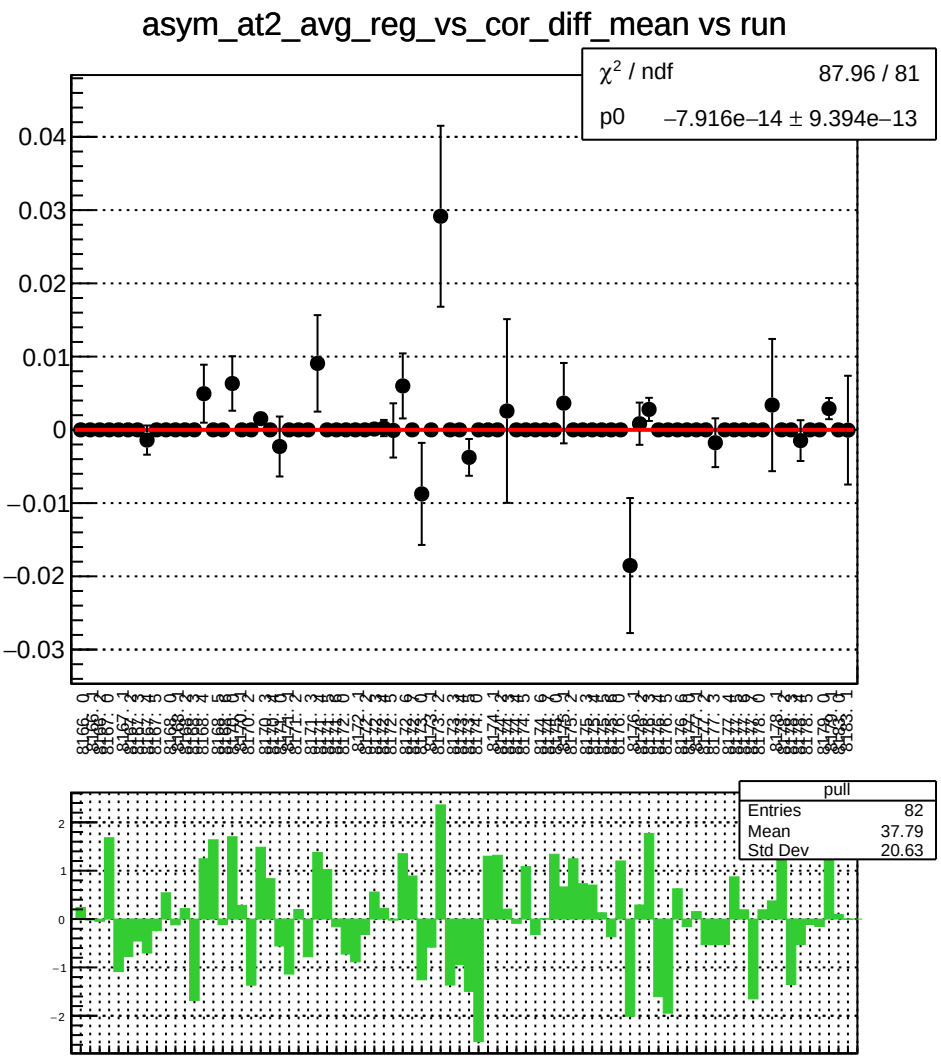

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.94 / 81
p0 1145 ± 1.254e+04
pull
Entries 82
Mean 931
Std Dev 0
pull1D
Entries 82
Mean −0.001127
Std Dev 1.087

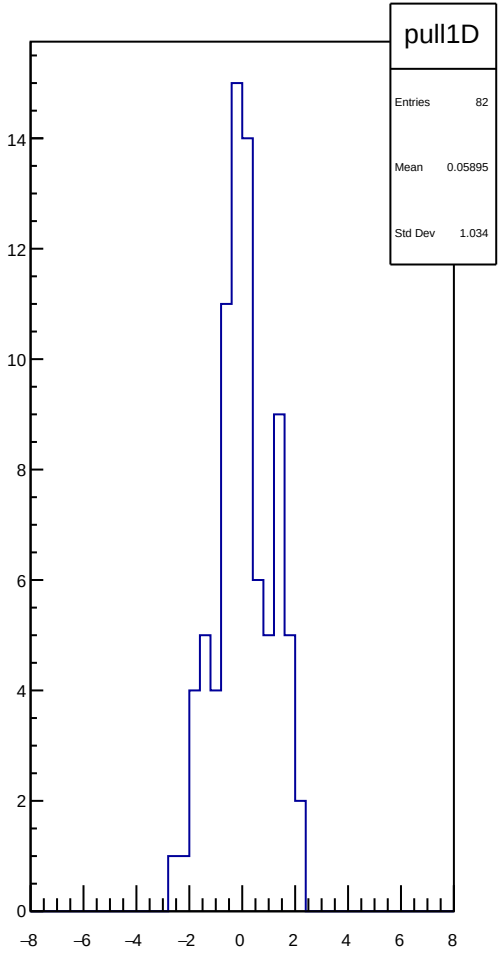

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1238 / 81
p0 1.115e+04 ± 8.865
13000
12500
12000
11500
11000
10500

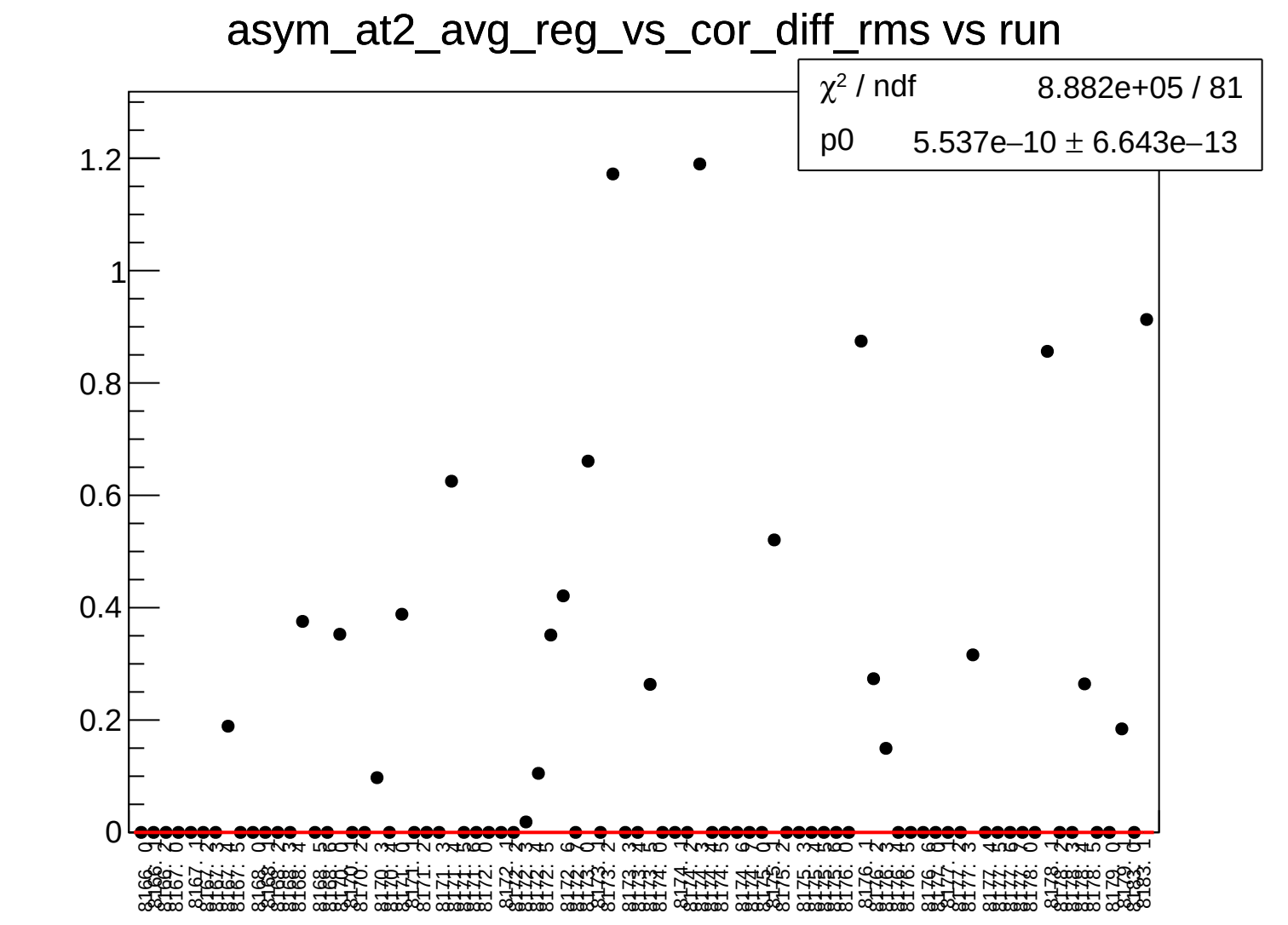

asym_at2_avg_mean vs run
×10^3
χ² / ndf 96.07 / 81
p0 3250 ± 1.259e+04
pull
Entries 82
Mean 1.012e+04
Std Dev 0

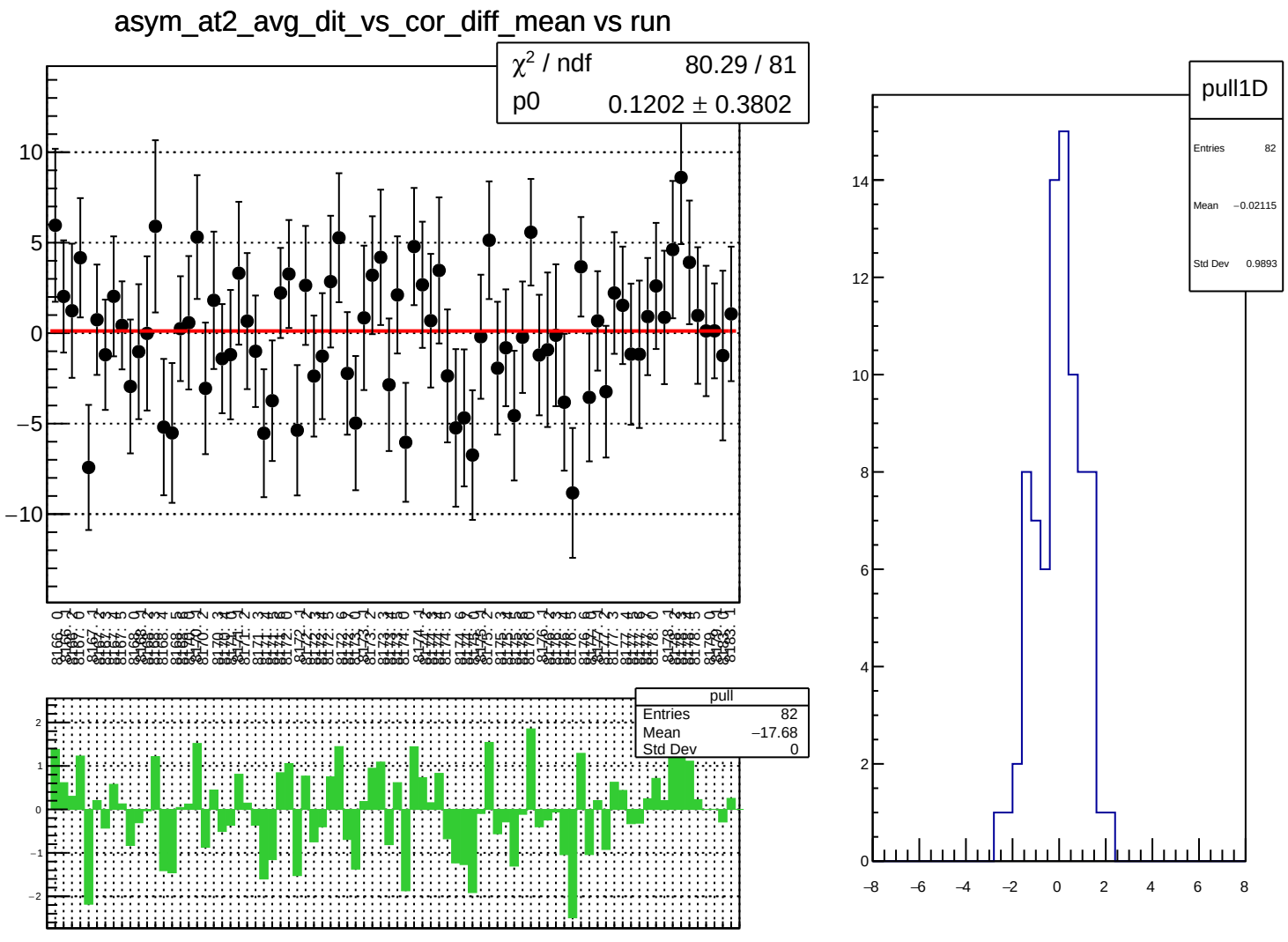

pull1D
Entries 82
Mean 0.0001554
Std Dev 1.082

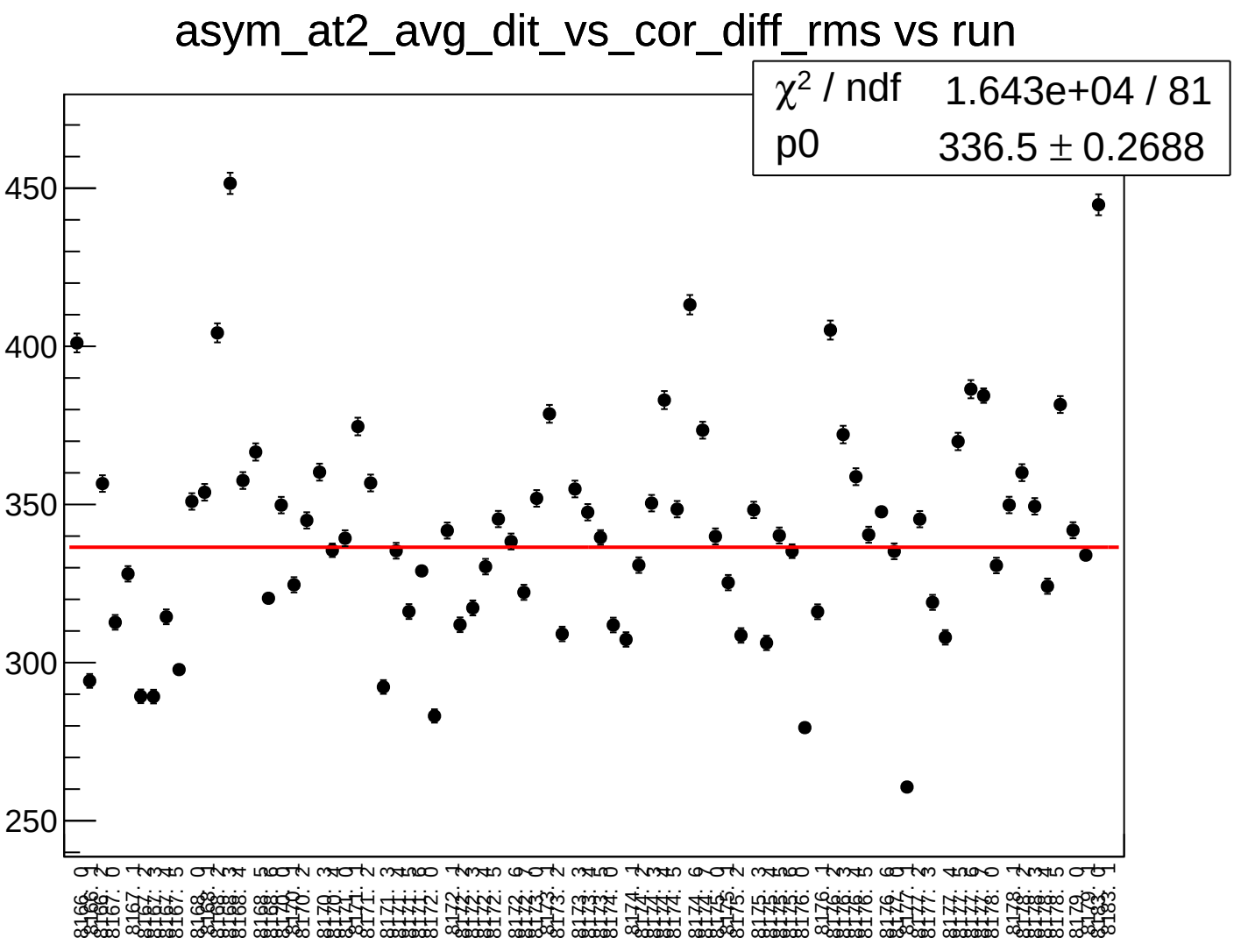

asym_at2_avg_rms vs run
χ^2 / ndf 1008 / 81
p0 1.12e+04 ± 8.905
12500
12000
11500
11000
10500

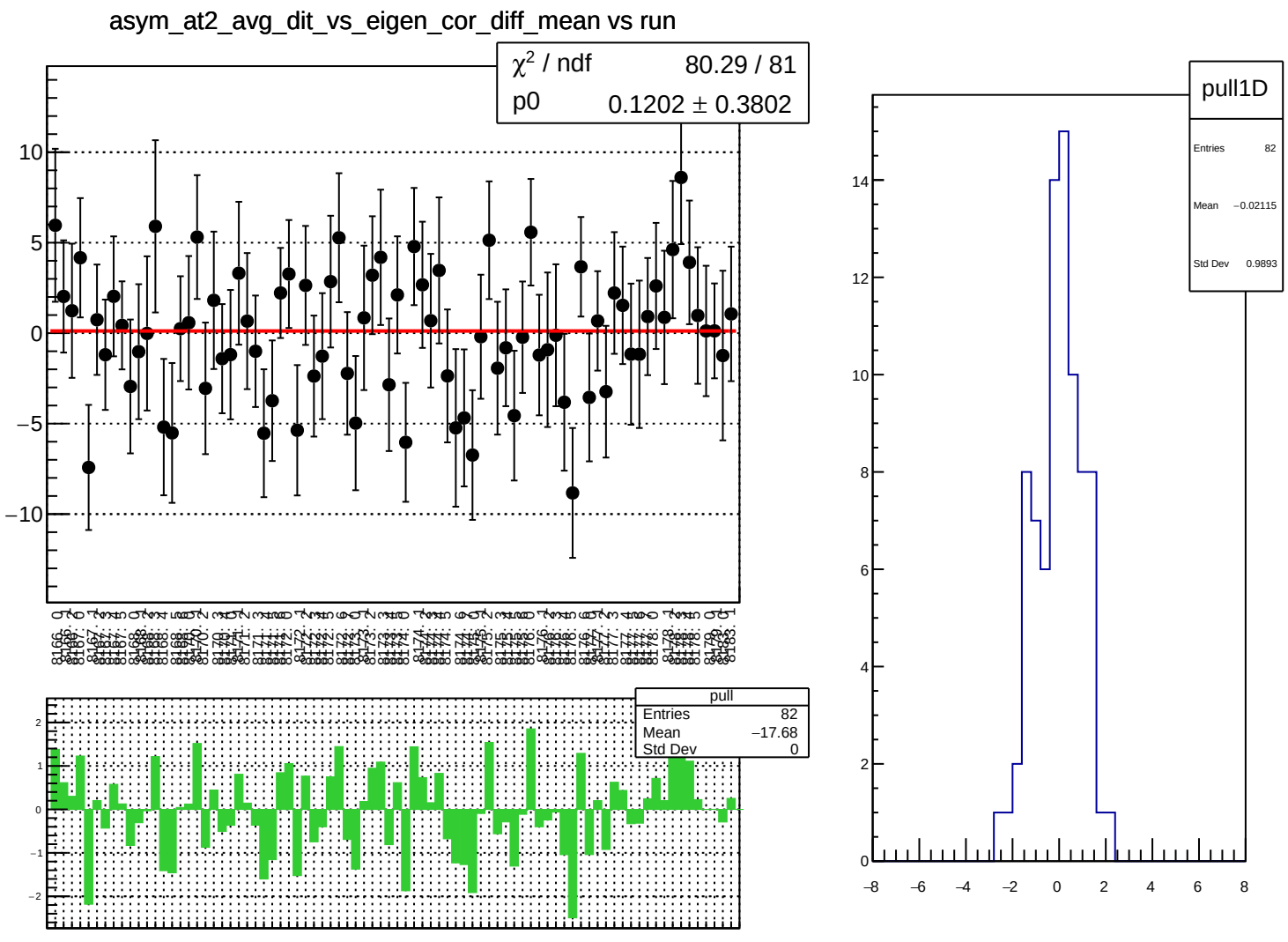

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.96 / 81
p0 −7.916e−14 ± 9.394e−13
pull
Entries 82
Mean 37.79
Std Dev 20.63

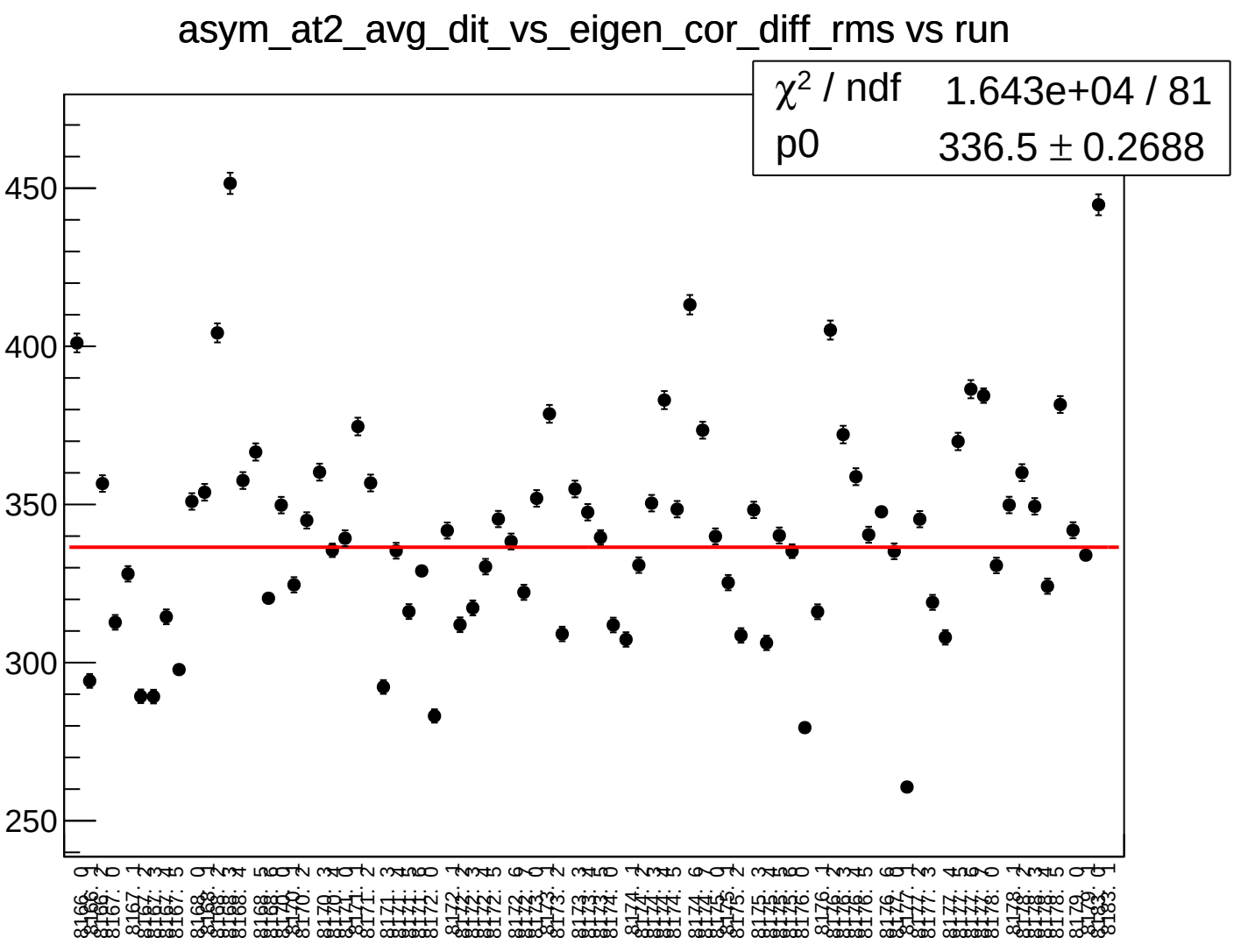

pull1D
Entries 82
Mean 0.05895
Std Dev 1.034

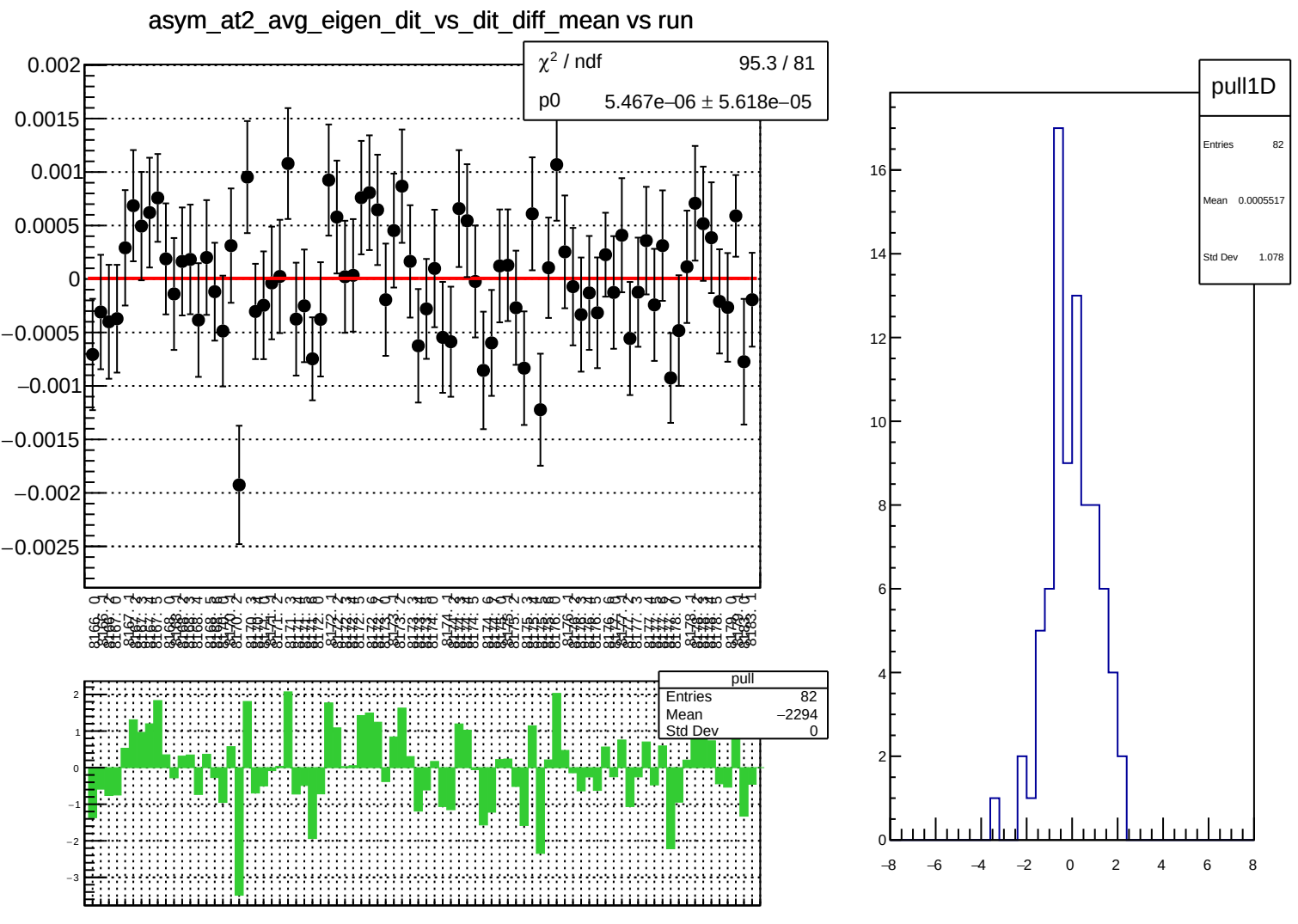

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.882e+05 / 81
p0 5.537e−10 ± 6.643e−13
1.2
1
0.8
0.6
0.4
0.2
0

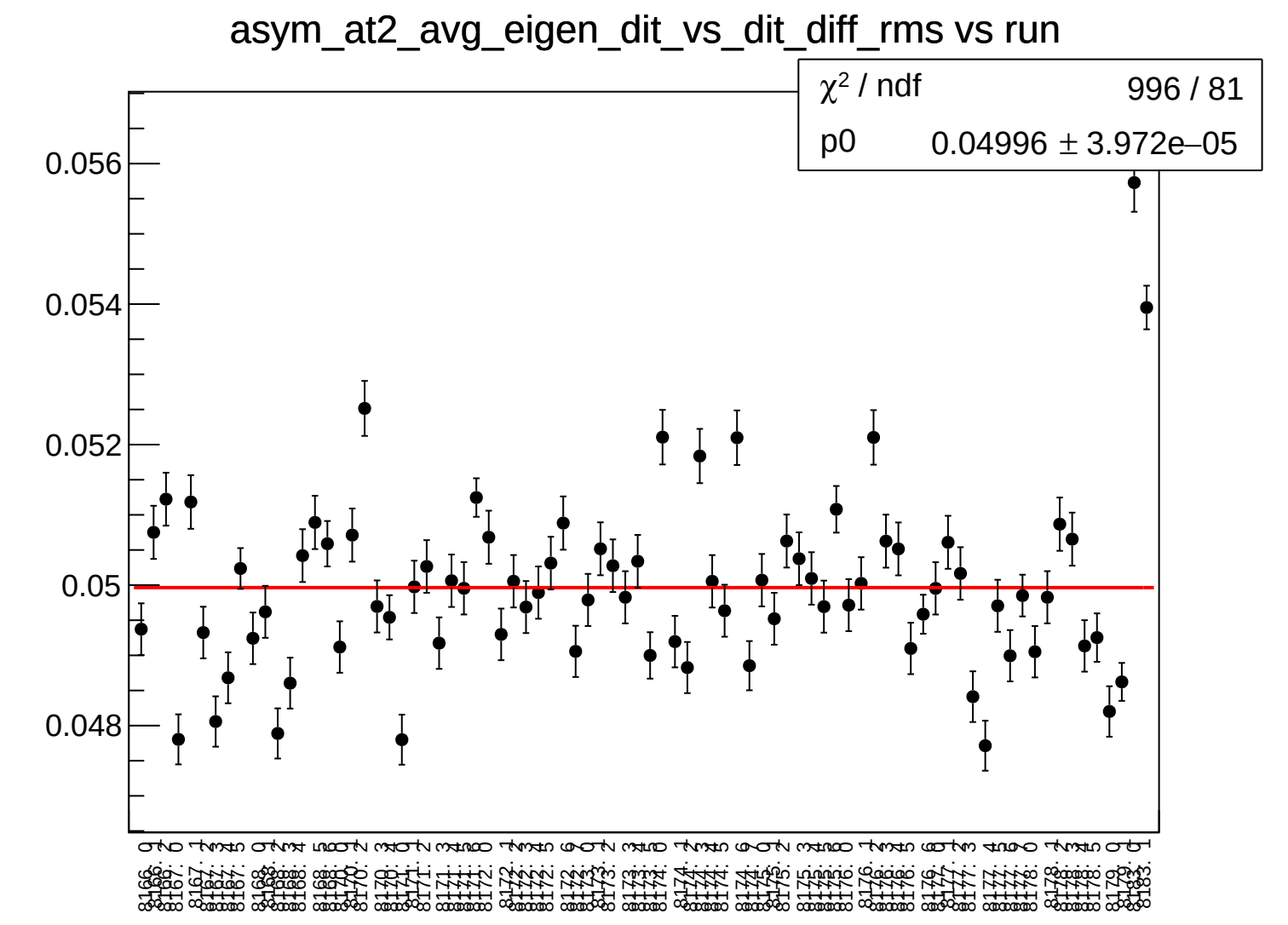

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.29 / 81
p0 0.1202 ± 0.3802
pull
Entries 82
Mean −17.68
Std Dev 0
pull1D
Entries 82
Mean −0.02115
Std Dev 0.9893

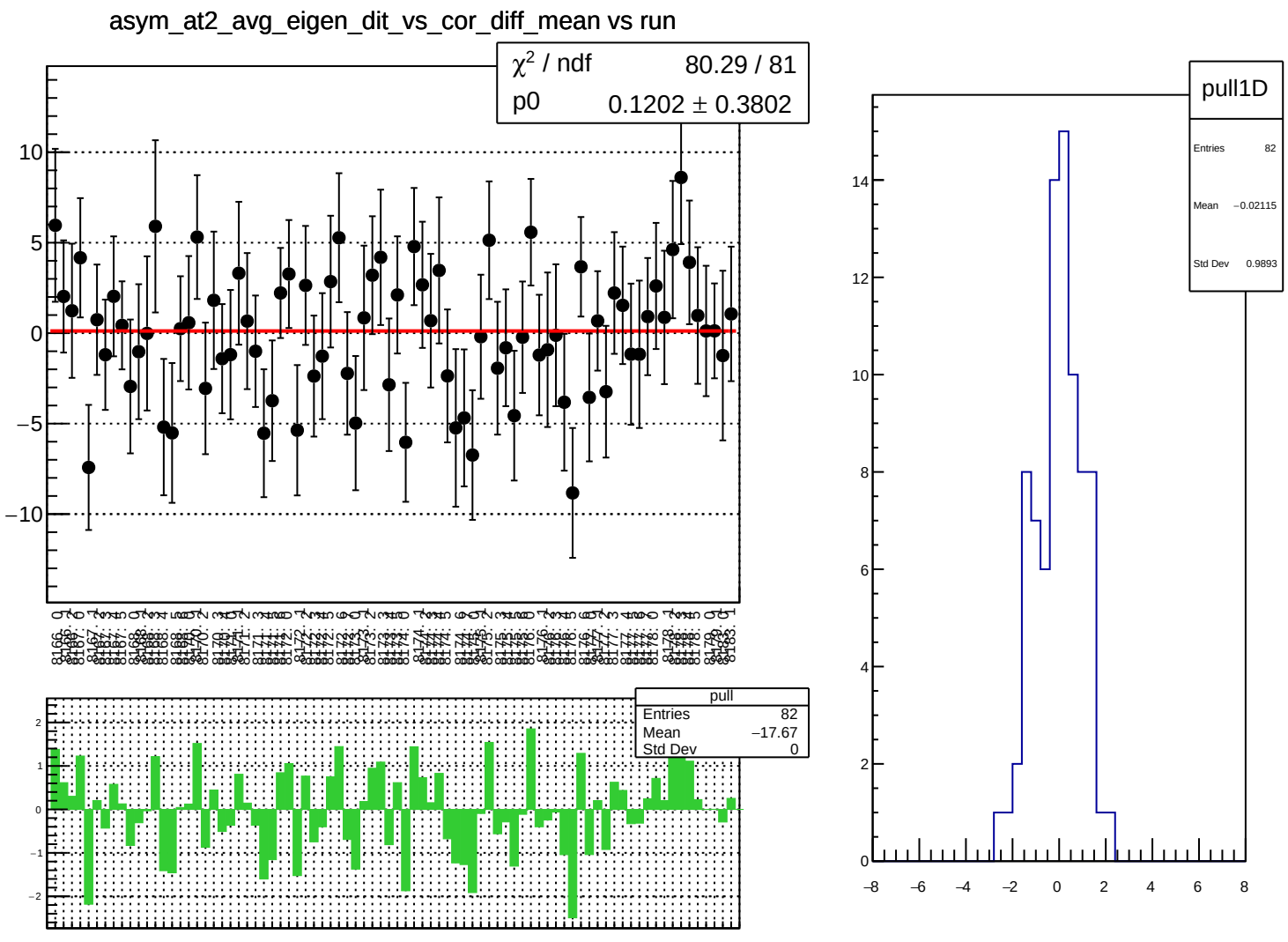

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 81
p0 336.5 ± 0.2688
450
400
350
300
250

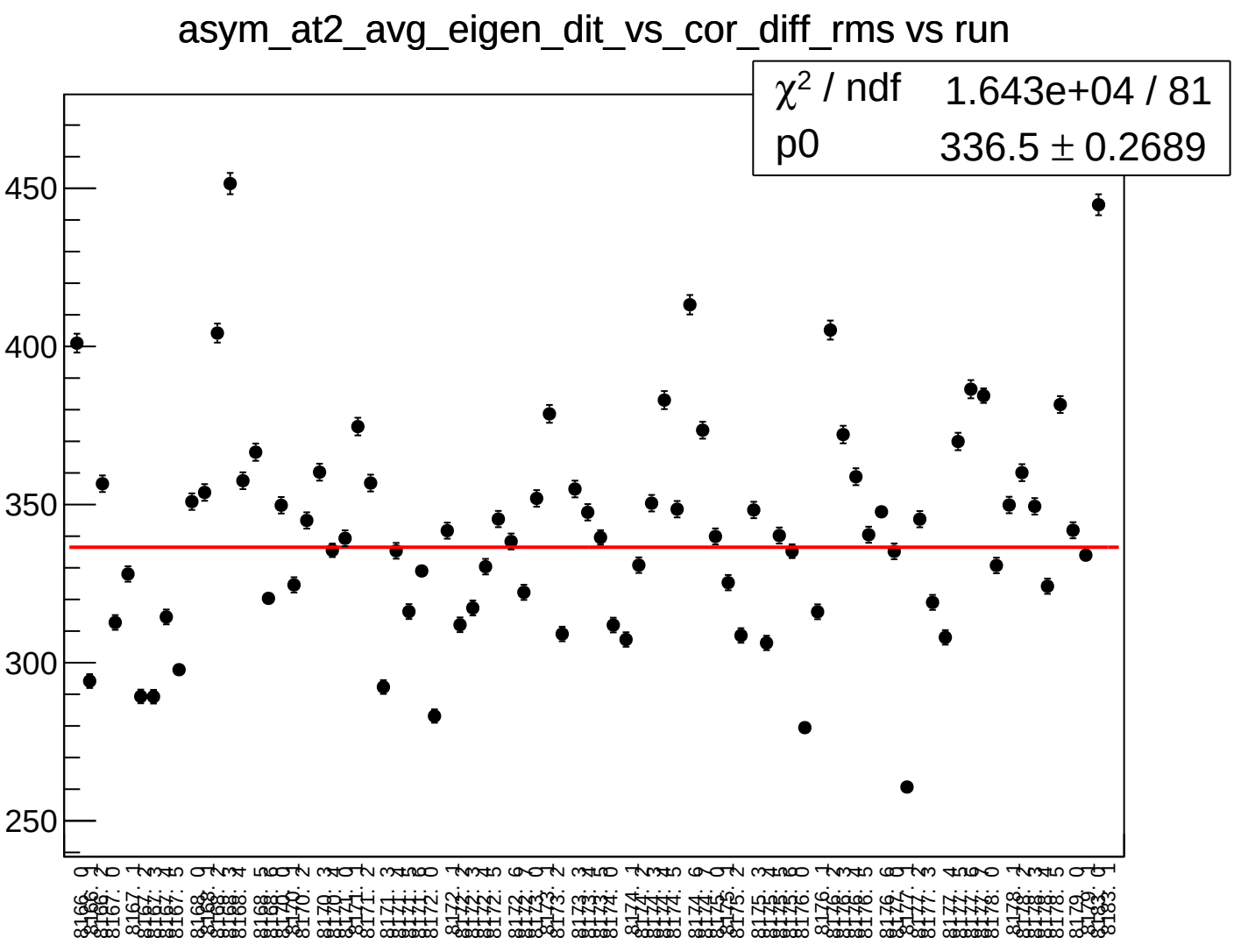

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.29 / 81
p0 0.1202 ± 0.3802
pull
Entries 82
Mean −17.68
Std Dev 0
pull1D
Entries 82
Mean −0.02115
Std Dev 0.9893

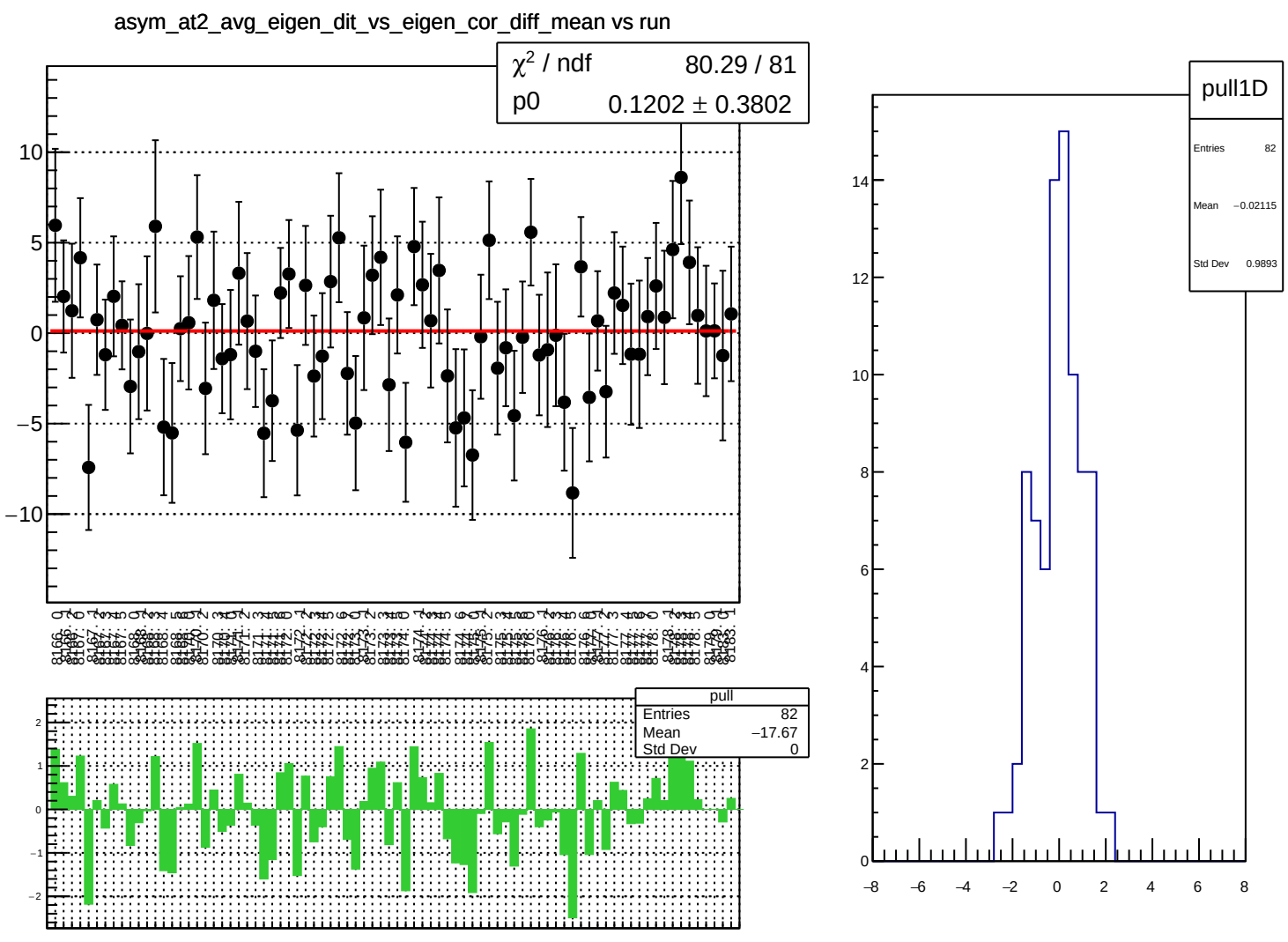

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 81
p0 336.5 ± 0.2688
450
400
350
300
250

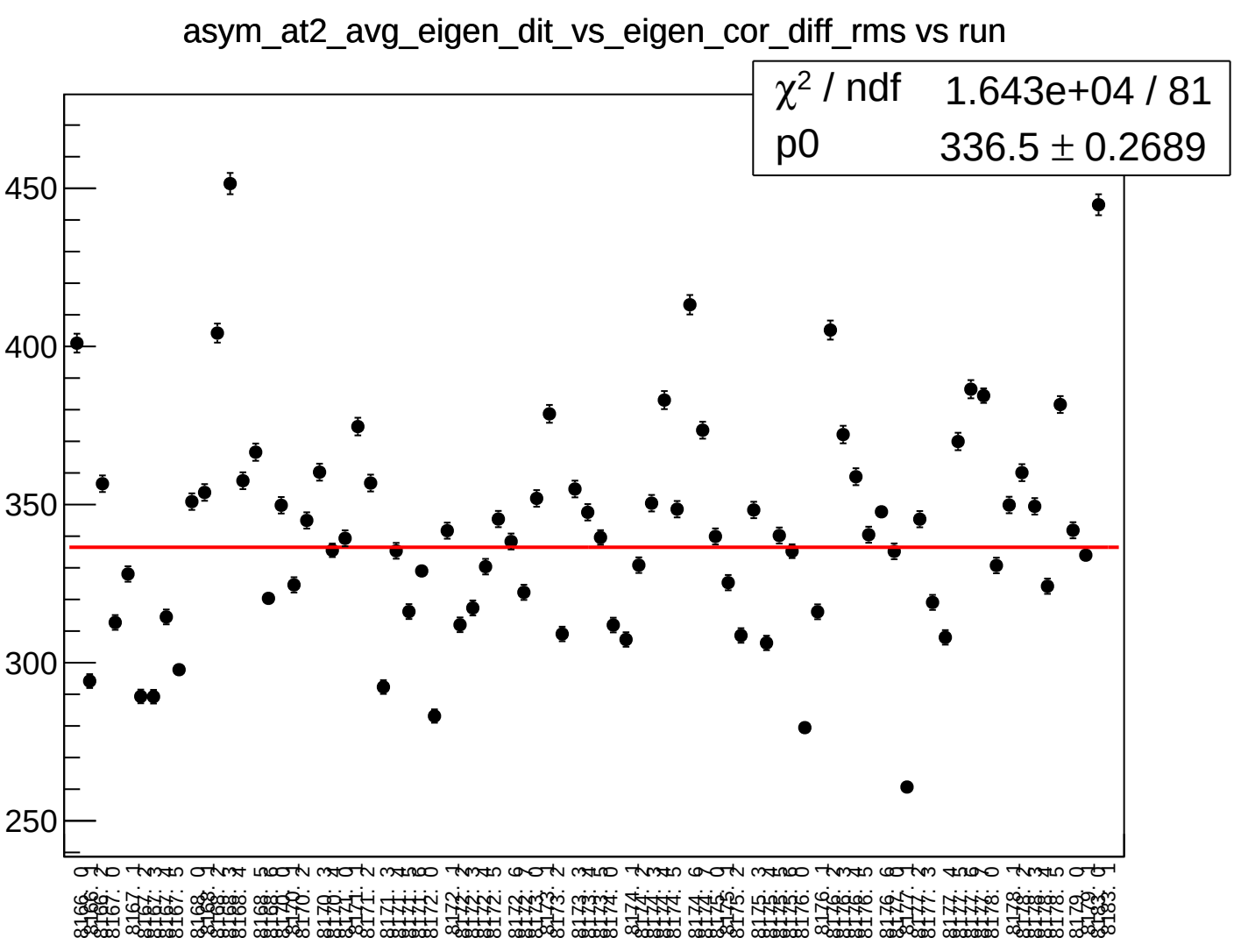

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.3 / 81
p0 5.467e−06 ± 5.618e−05
pull
Entries 82
Mean −2294
Std Dev 0
pull1D
Entries 82
Mean 0.0005517
Std Dev 1.078

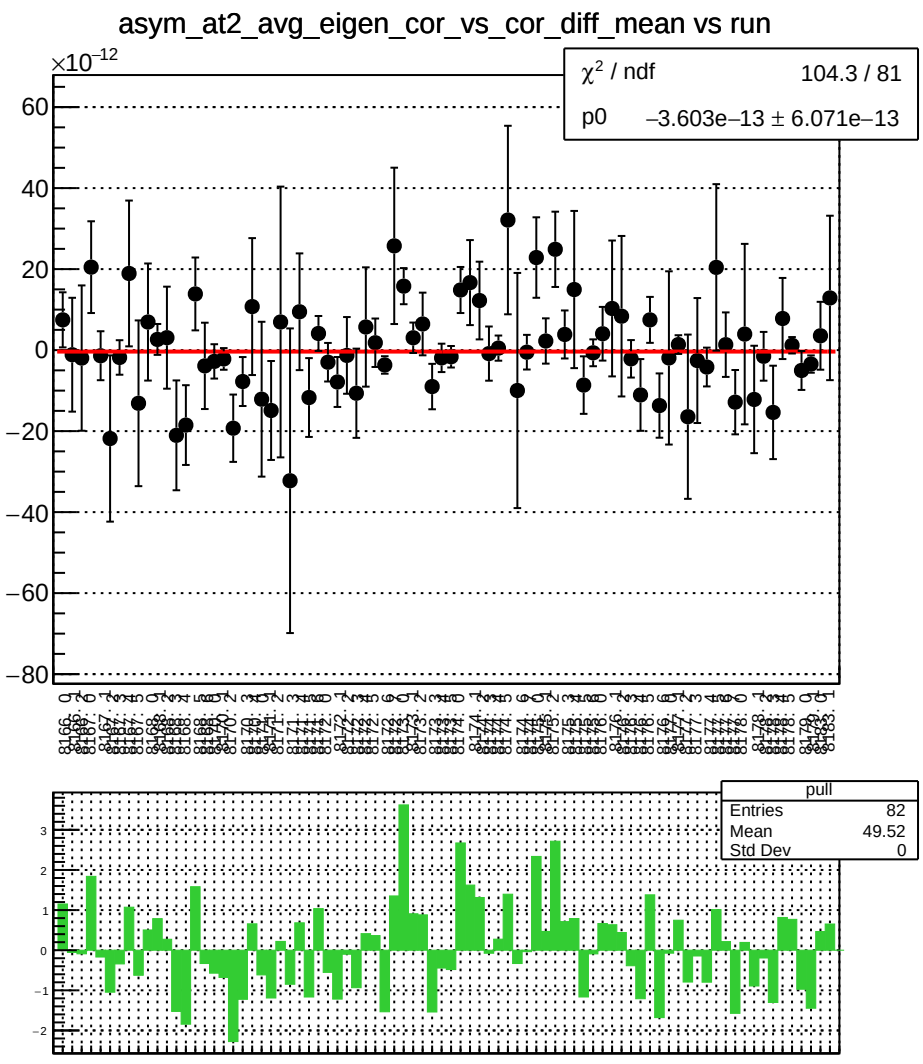

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 996 / 81
p0 0.04996 ± 3.972e–05
0.056
0.054
0.052
0.05
0.048

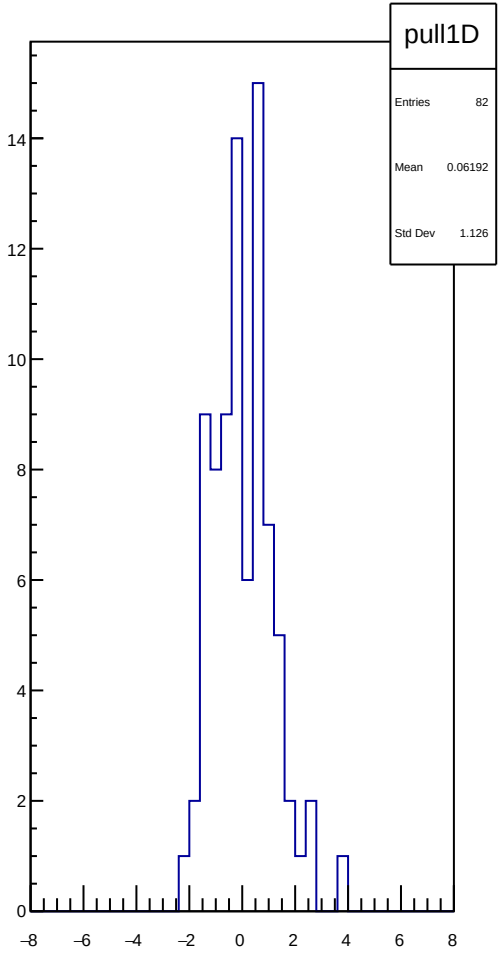

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.29 / 81
p0 0.1202 ± 0.3802
pull
Entries 82
Mean −17.67
Std Dev 0
pull1D
Entries 82
Mean −0.02115
Std Dev 0.9893

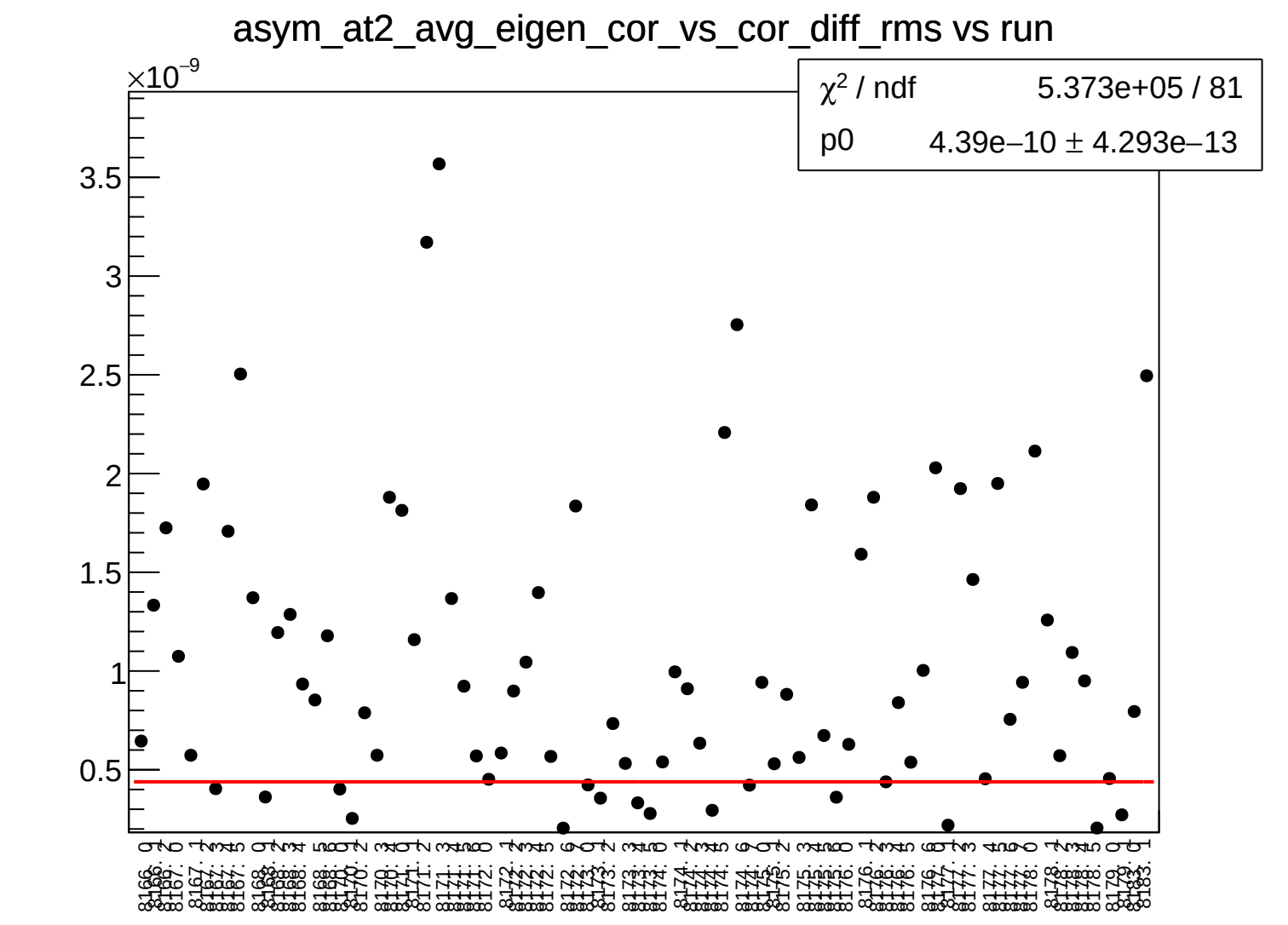

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 81
p0 336.5 ± 0.2689
450
400
350
300
250

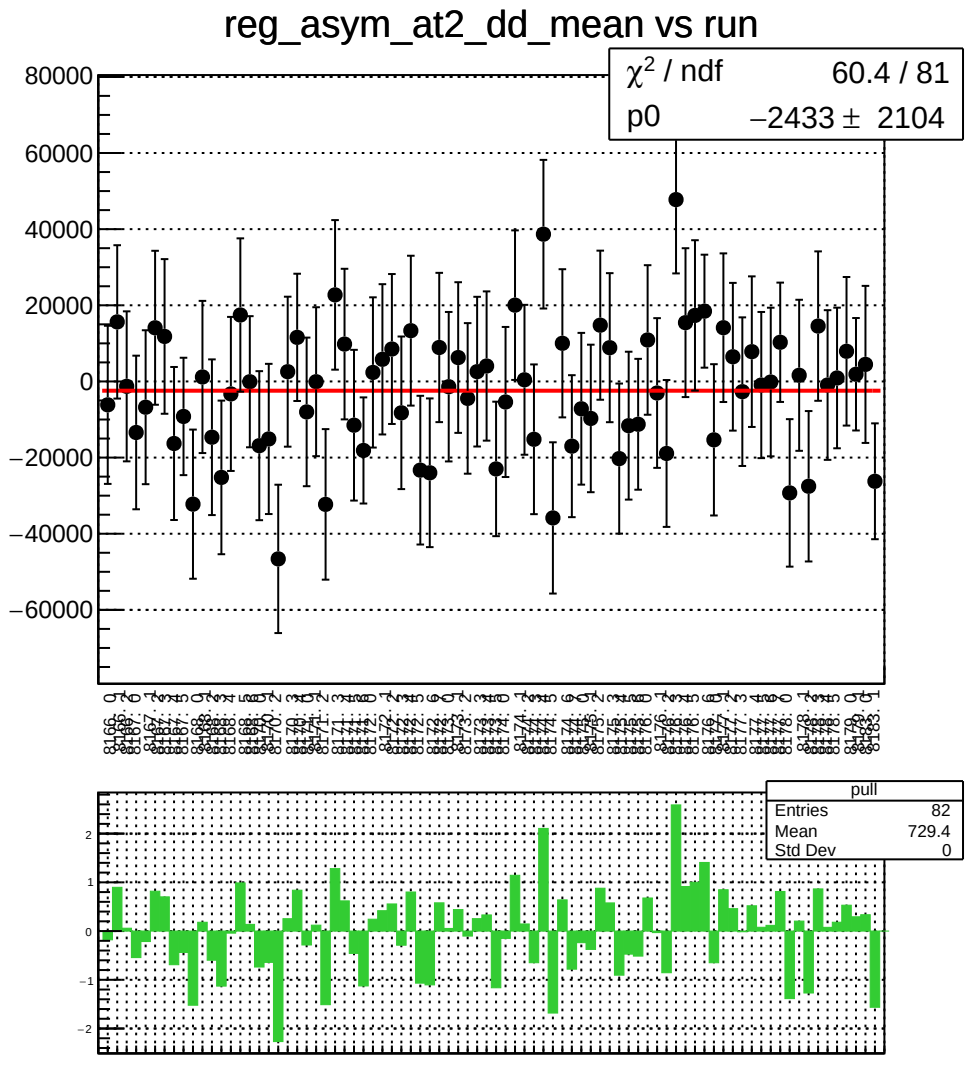

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.29 / 81
p0 0.1202 ± 0.3802
pull
Entries 82
Mean −17.67
Std Dev 0
pull1D
Entries 82
Mean −0.02115
Std Dev 0.9893

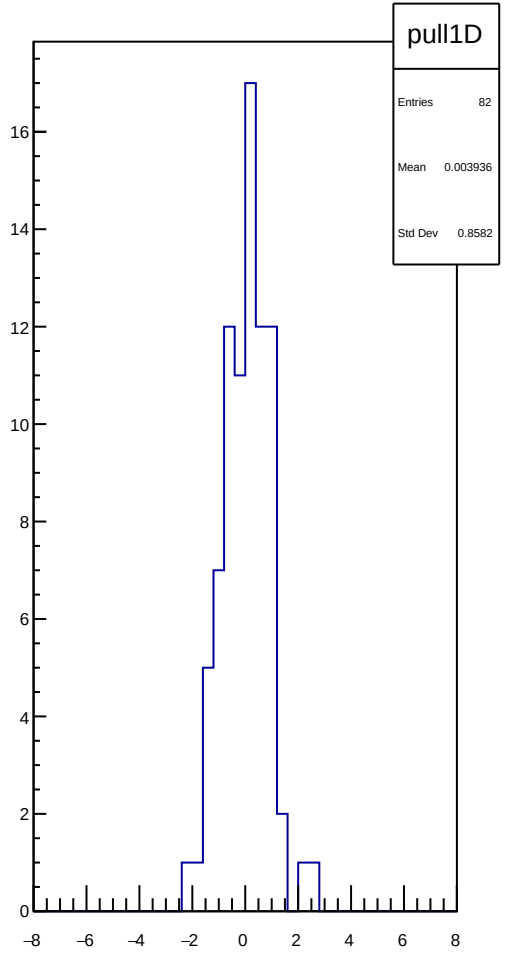

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.643e+04 / 81
p0 336.5 ± 0.2689
450
400
350
300
250

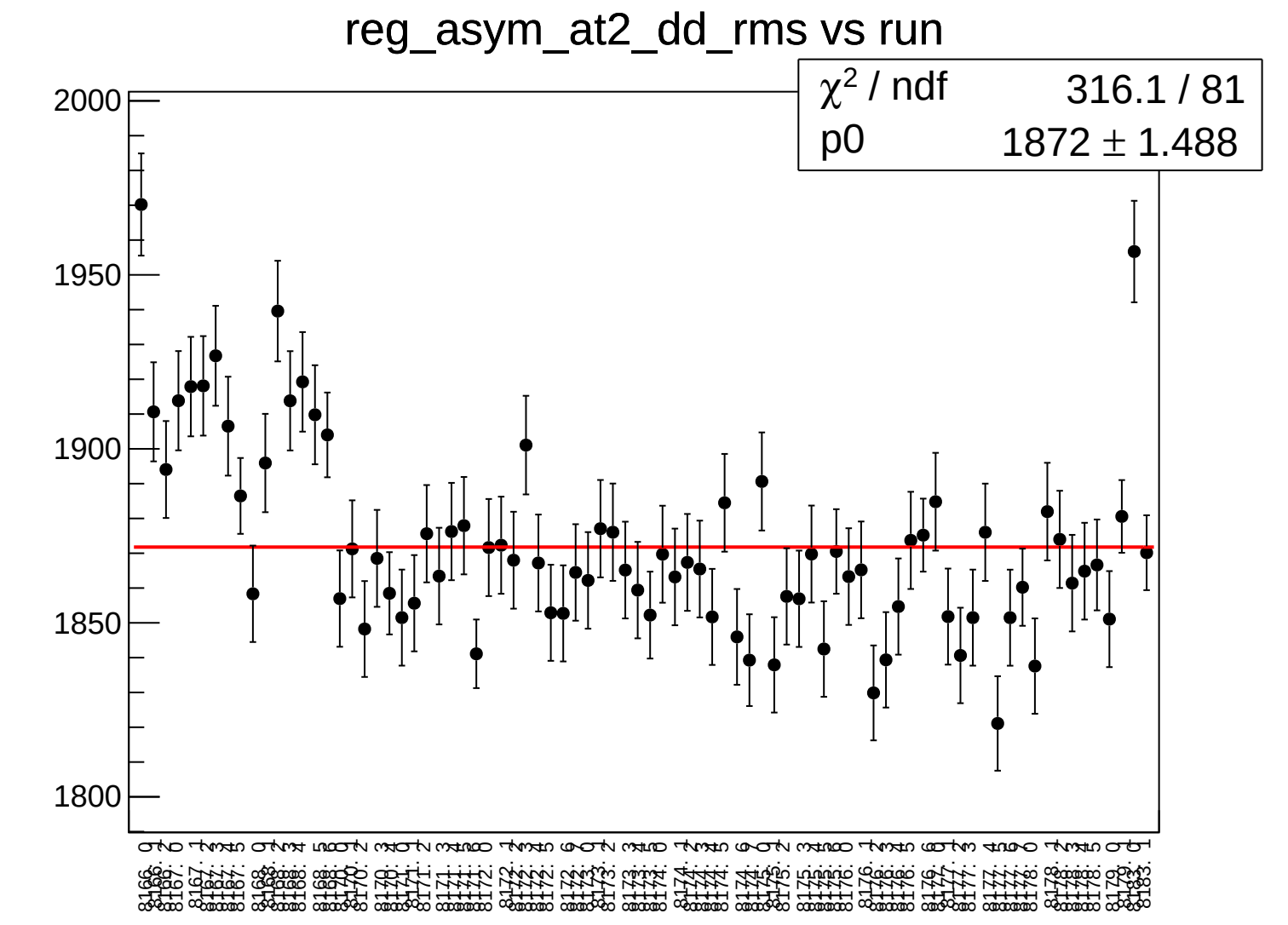

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 104.3 / 81
p0 −3.603e−13 ± 6.071e−13
pull
Entries 82
Mean 49.52
Std Dev 0

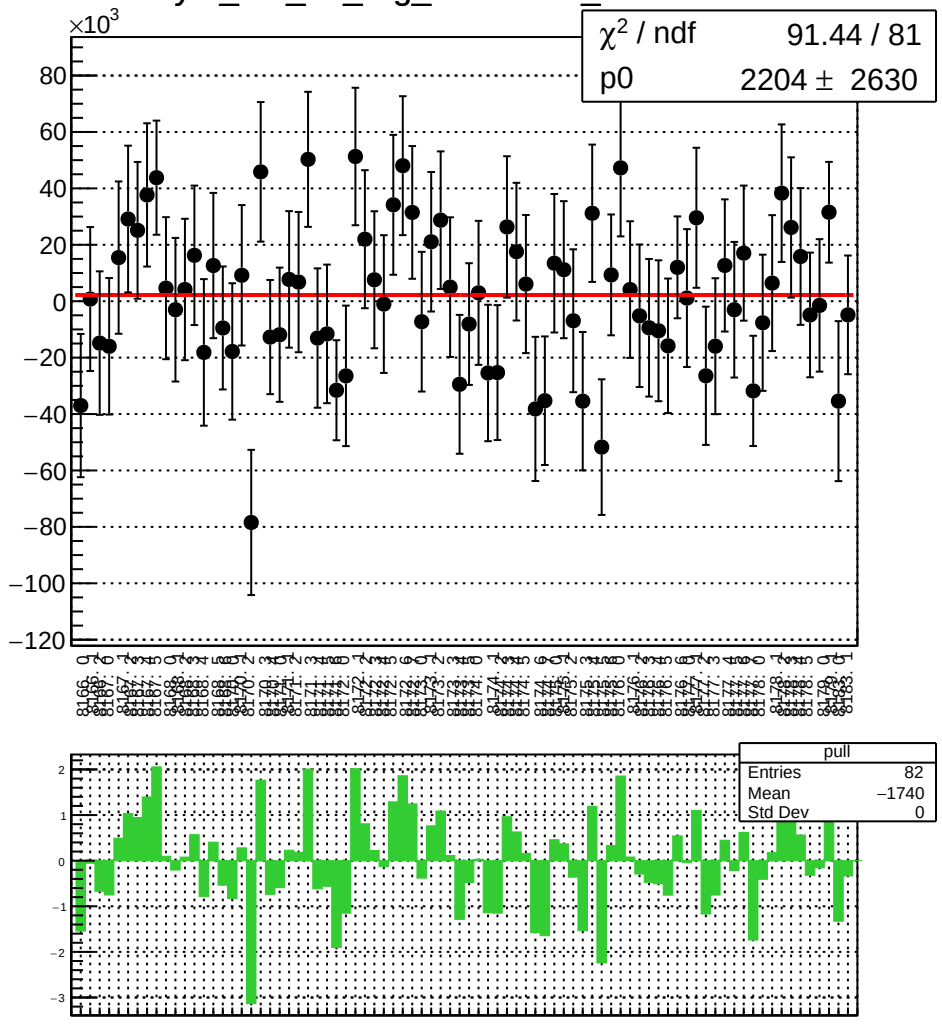

pull1D
Entries 82
Mean 0.06192
Std Dev 1.126

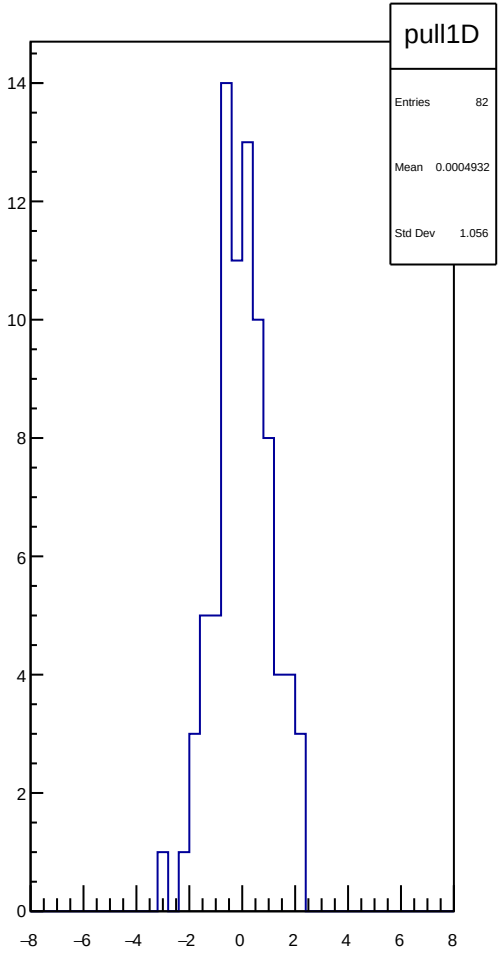

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.373e+05 / 81
p0 4.39e−10 ± 4.293e−13
3.5
3
2.5
2
1.5
1
0.5

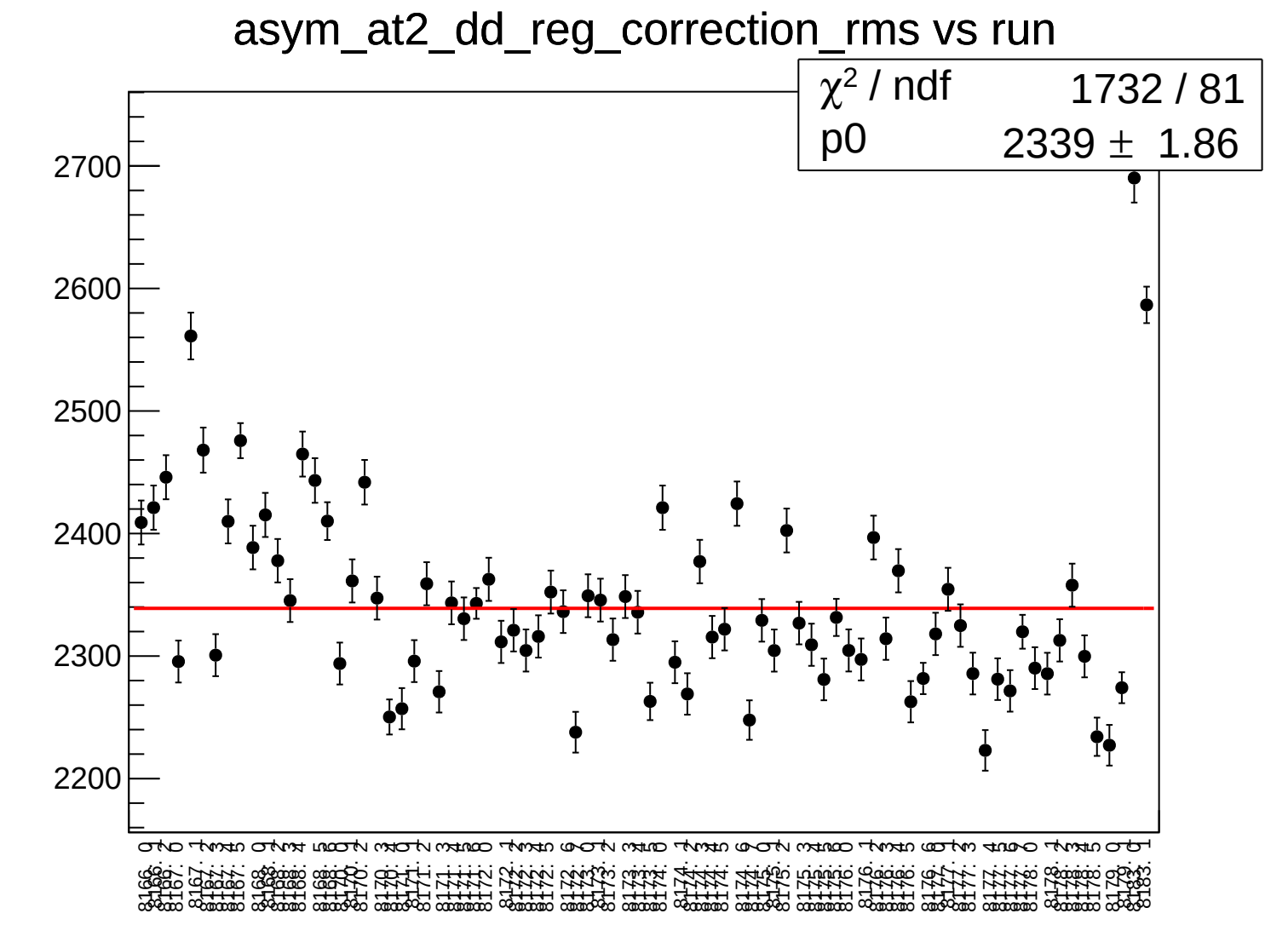

reg_asym_at2_dd_mean vs run
χ² / ndf 60.4 / 81
p0 −2433 ± 2104
pull
Entries 82
Mean 729.4
Std Dev 0

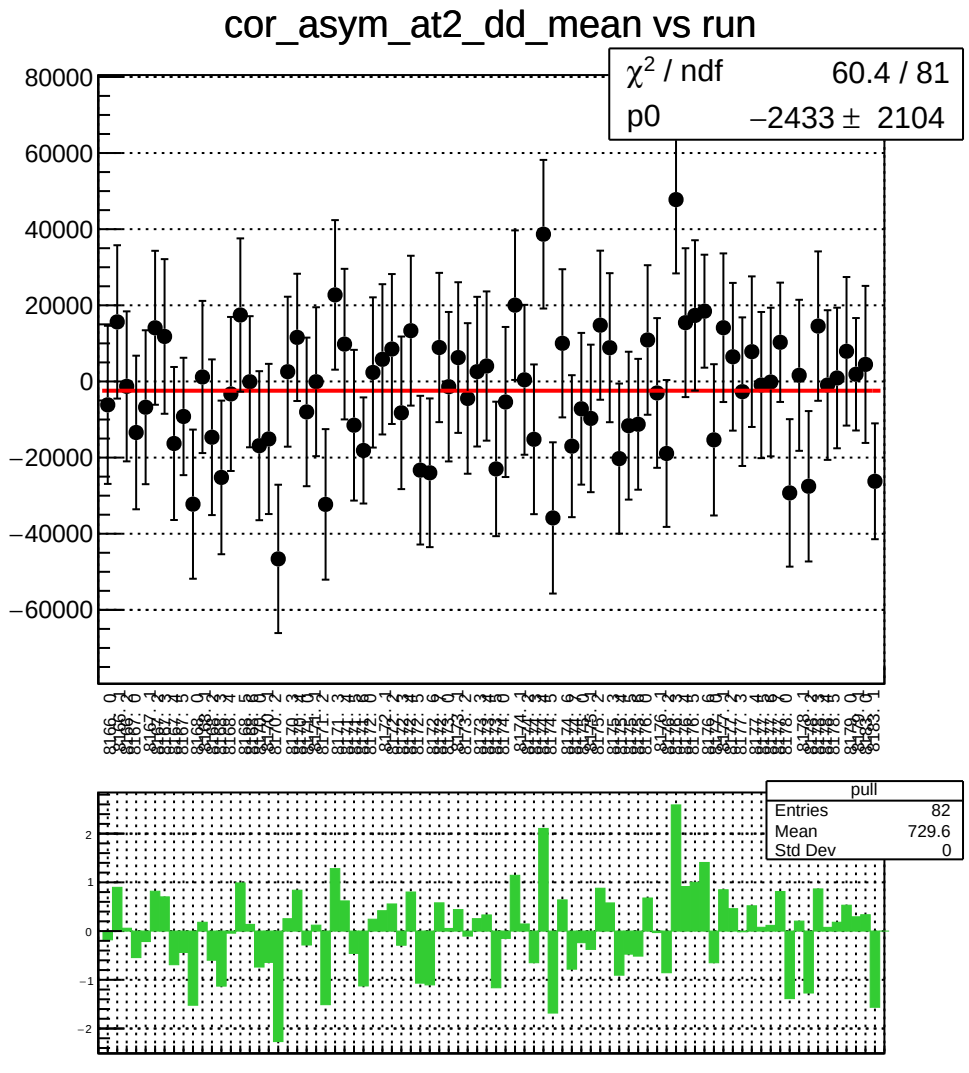

pull1D
Entries 82
Mean 0.003936
Std Dev 0.8582

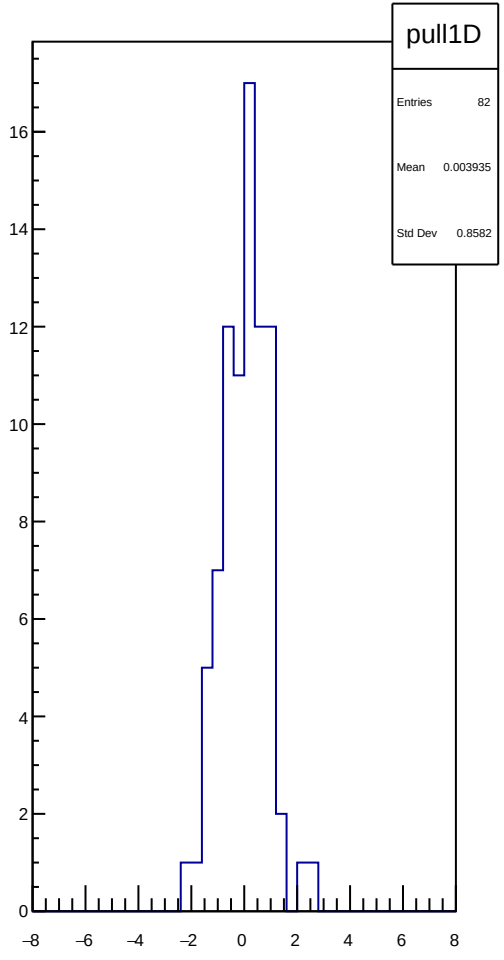

reg_asym_at2_dd_rms vs run
χ^2 / ndf 316.1 / 81
p0 1872 ± 1.488
2000
1950
1900
1850
1800

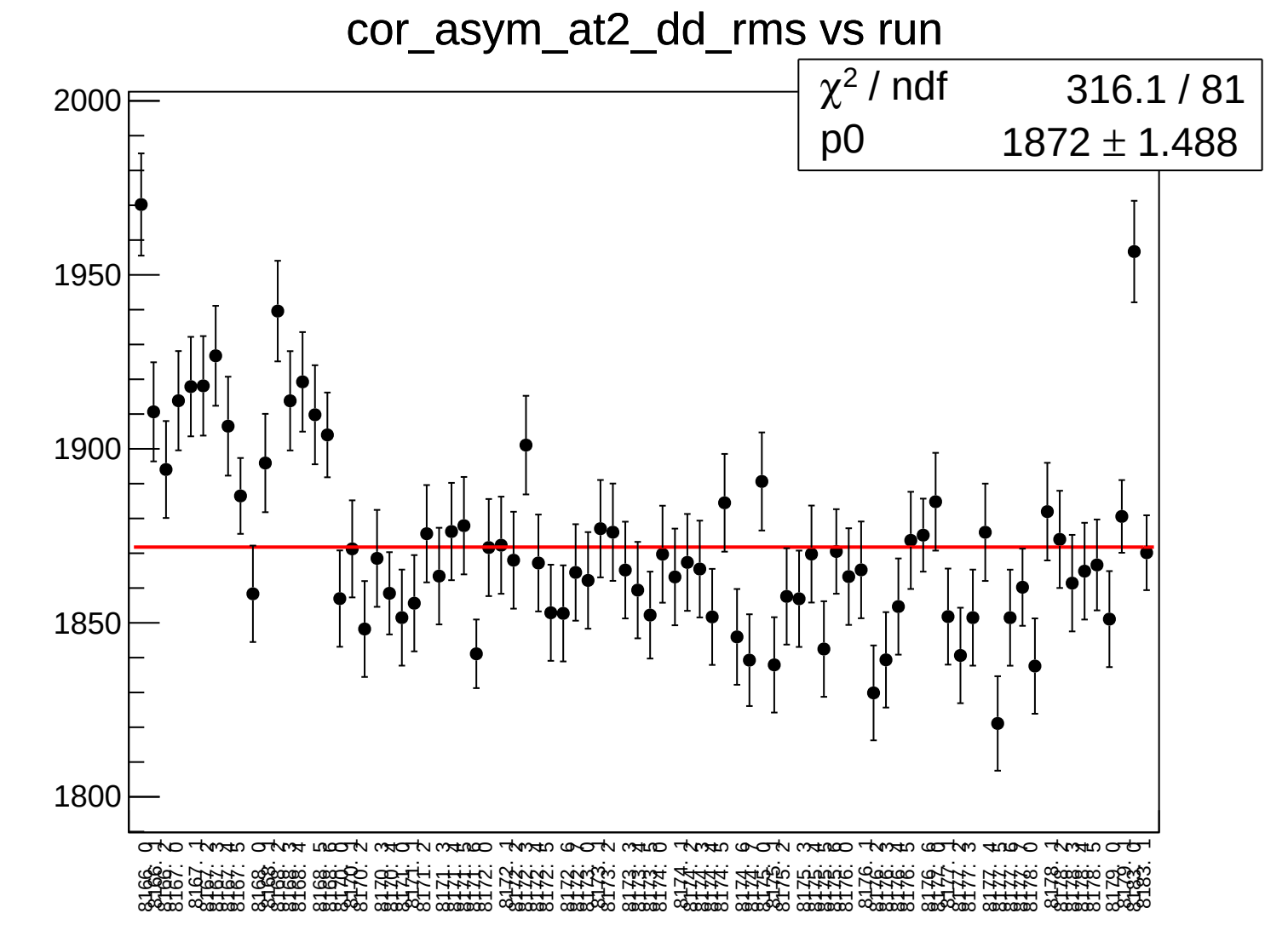

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 91.44 / 81
p0 2204 ± 2630
×10³
pull
Entries 82
Mean −1740
Std Dev 0

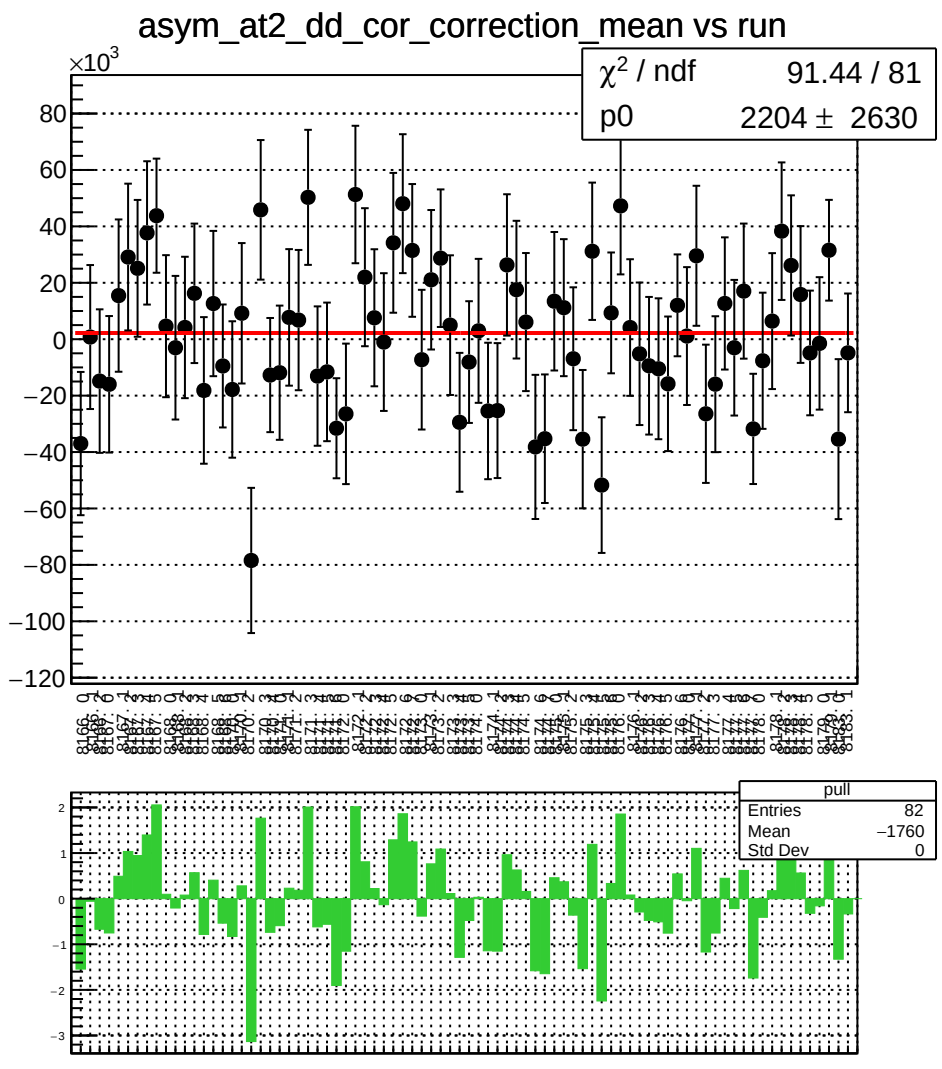

pull1D
Entries 82
Mean 0.0004932
Std Dev 1.056

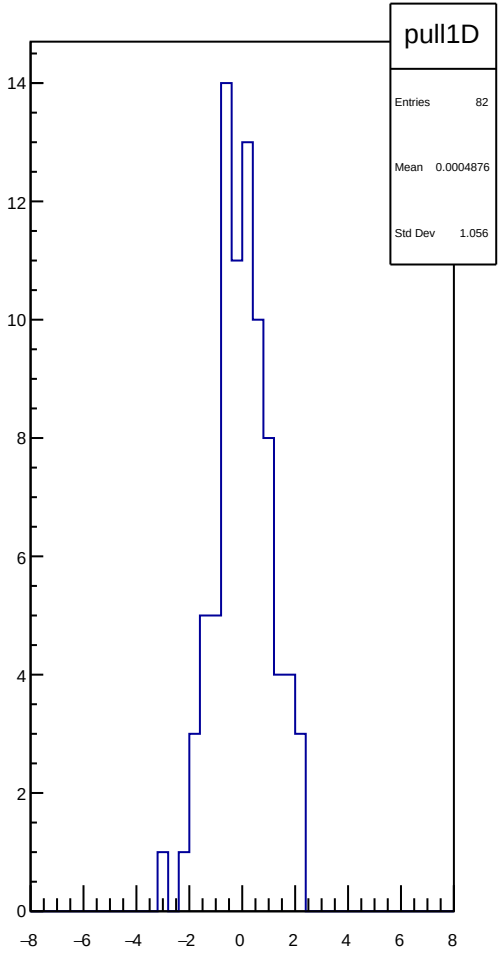

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 1732 / 81
p0 2339 ± 1.86
2700
2600
2500
2400
2300
2200

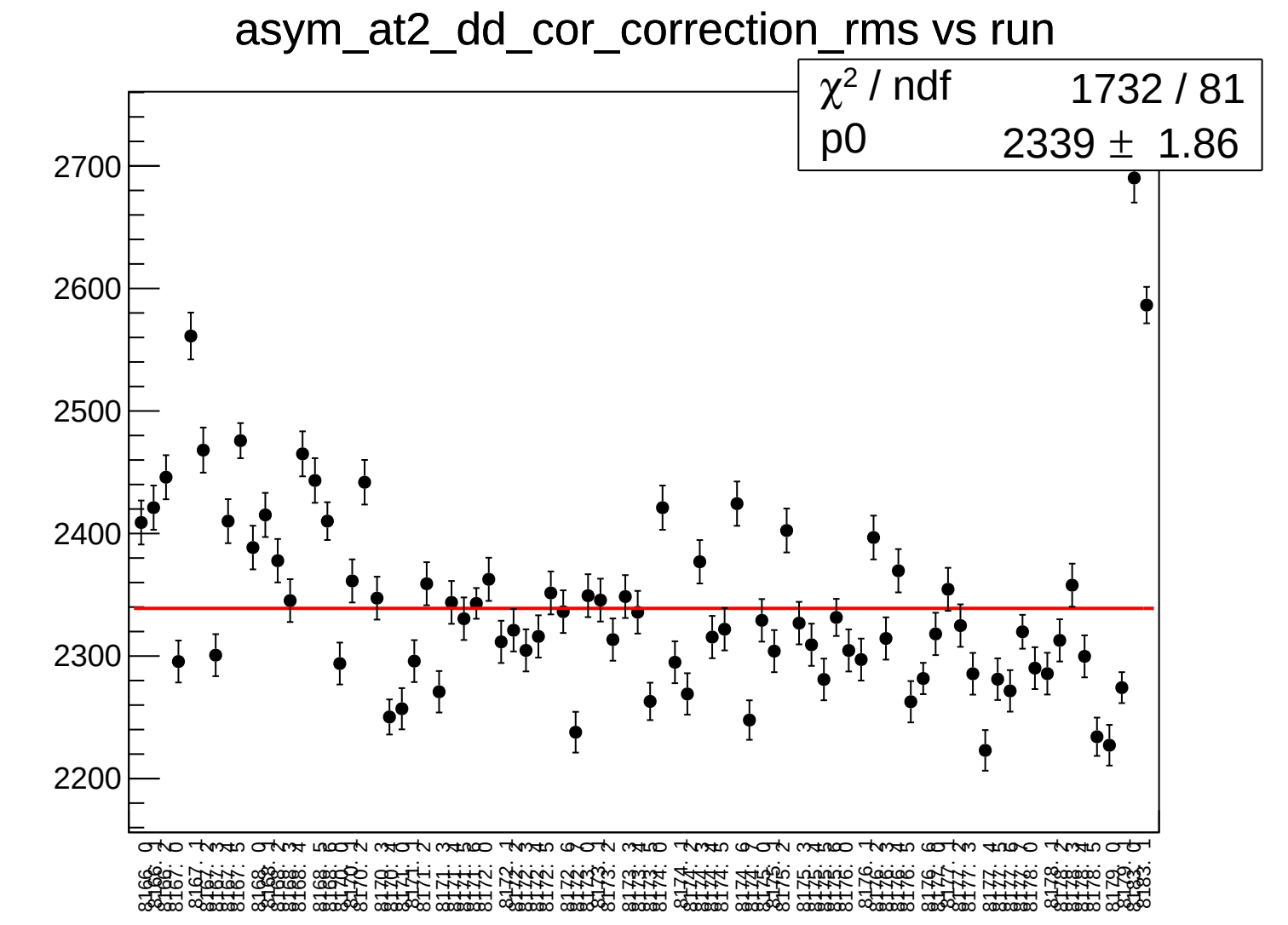

cor_asym_at2_dd_mean vs run
χ² / ndf 60.4 / 81
p0 −2433 ± 2104
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 729.6
Std Dev 0
2
1
0
−1
−2

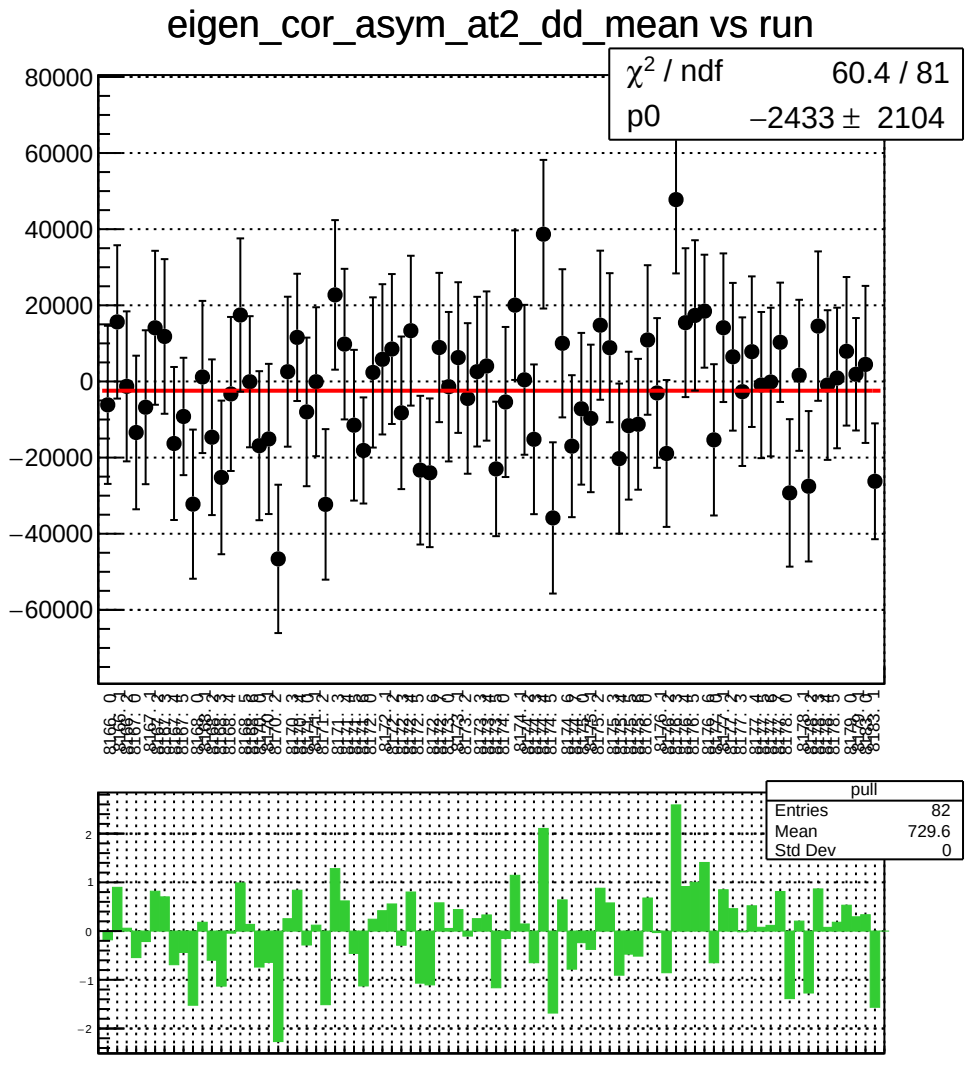

pull1D
Entries 82
Mean 0.003935
Std Dev 0.8582
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

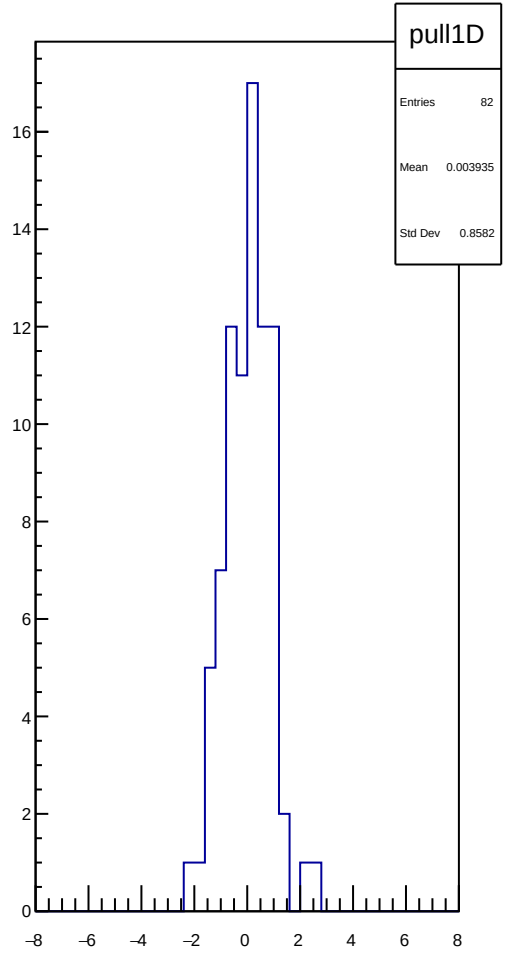

cor_asym_at2_dd_rms vs run
χ² / ndf 316.1 / 81
p0 1872 ± 1.488
2000
1950
1900
1850
1800

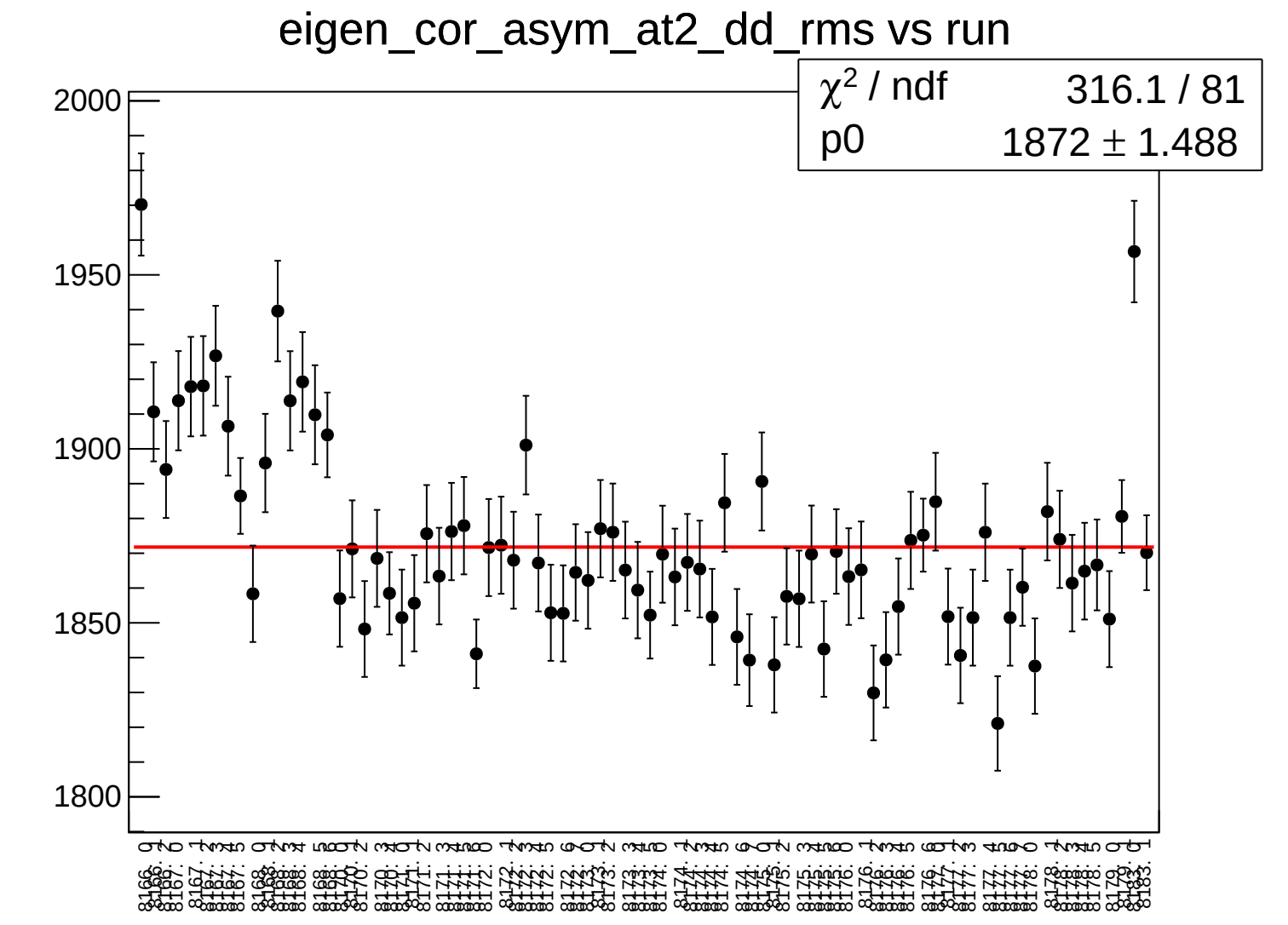

asym_at2_dd_cor_correction_mean vs run
χ² / ndf 91.44 / 81
p0 2204 ± 2630
pull
Entries 82
Mean −1760
Std Dev 0

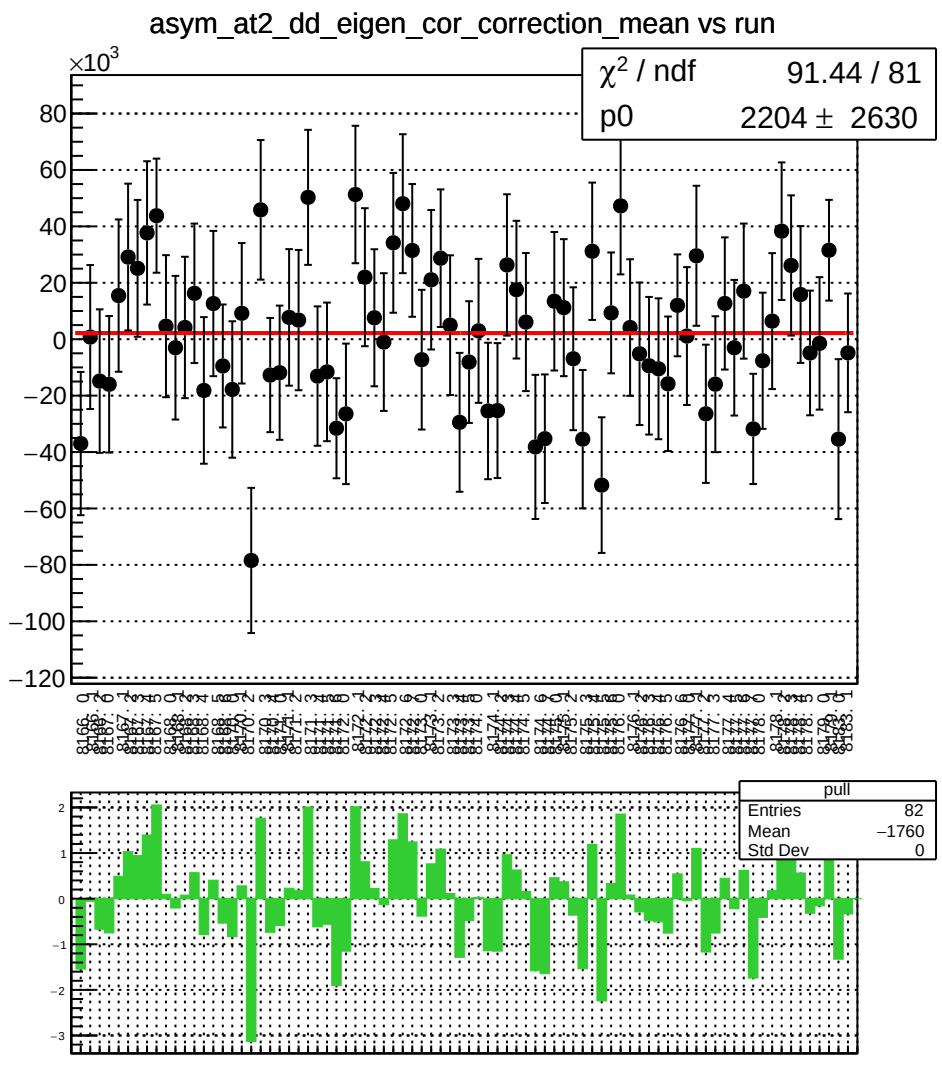

pull1D
Entries 82
Mean 0.0004876
Std Dev 1.056

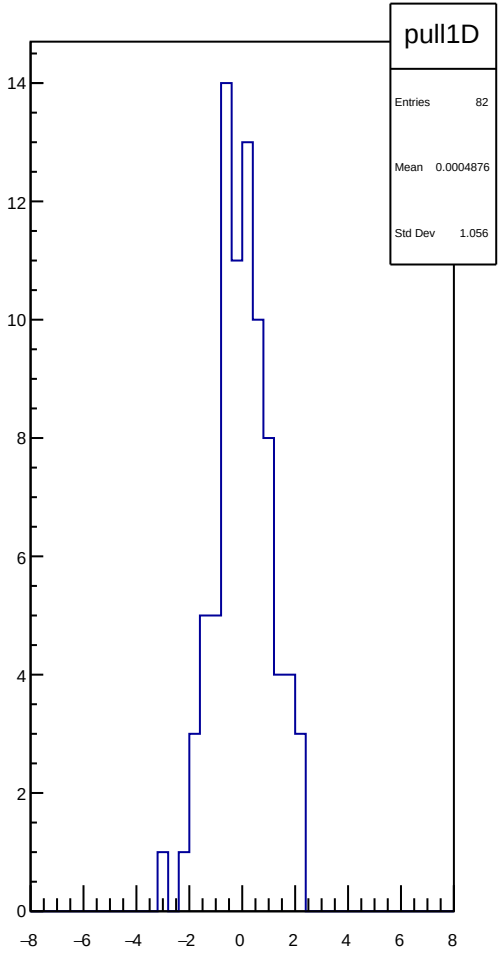

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 1732 / 81
p0 2339 ± 1.86
2700
2600
2500
2400
2300
2200

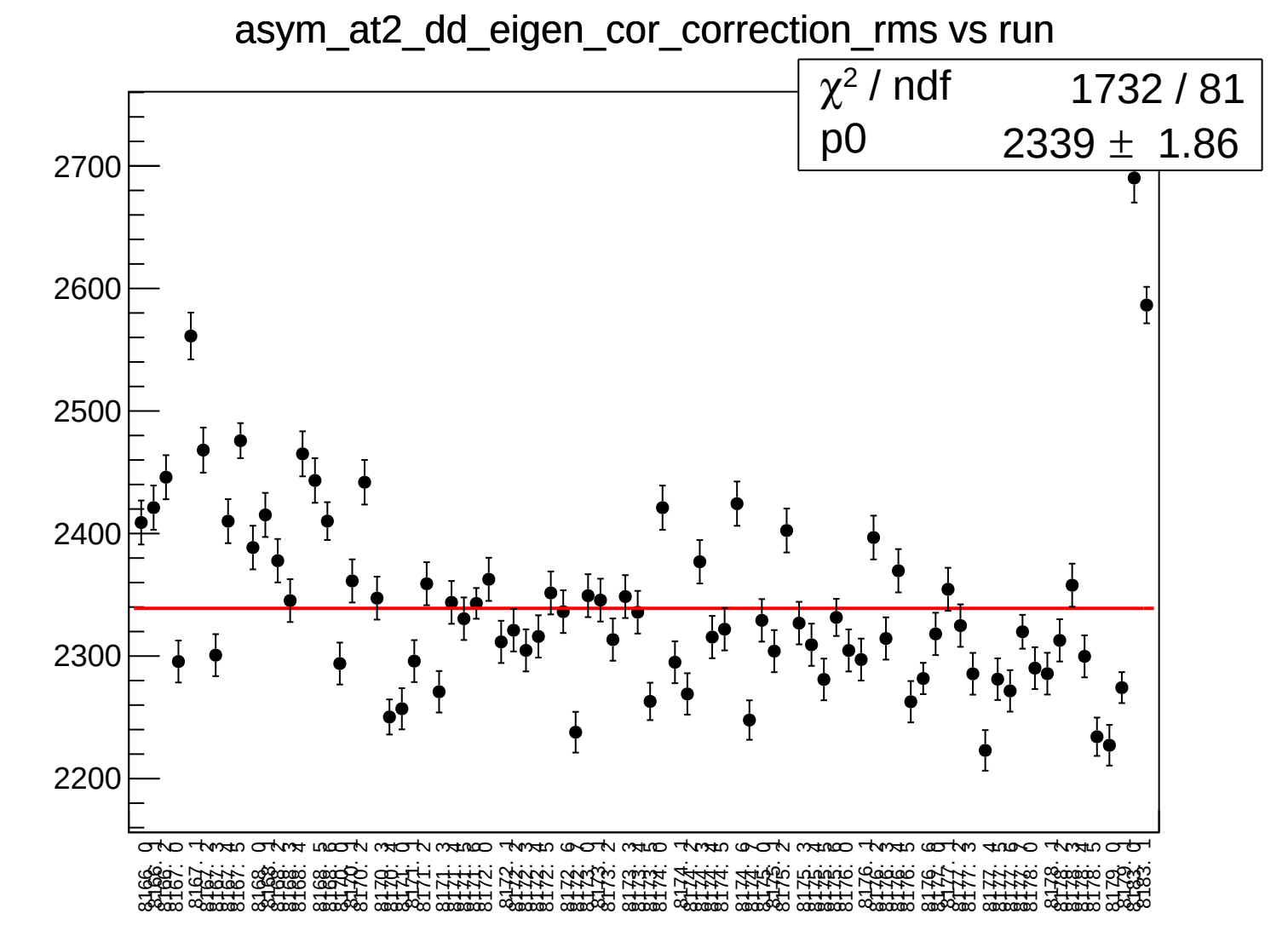

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 60.4 / 81
p0 −2433 ± 2104
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 729.6
Std Dev 0
2
1
0
−1
−2

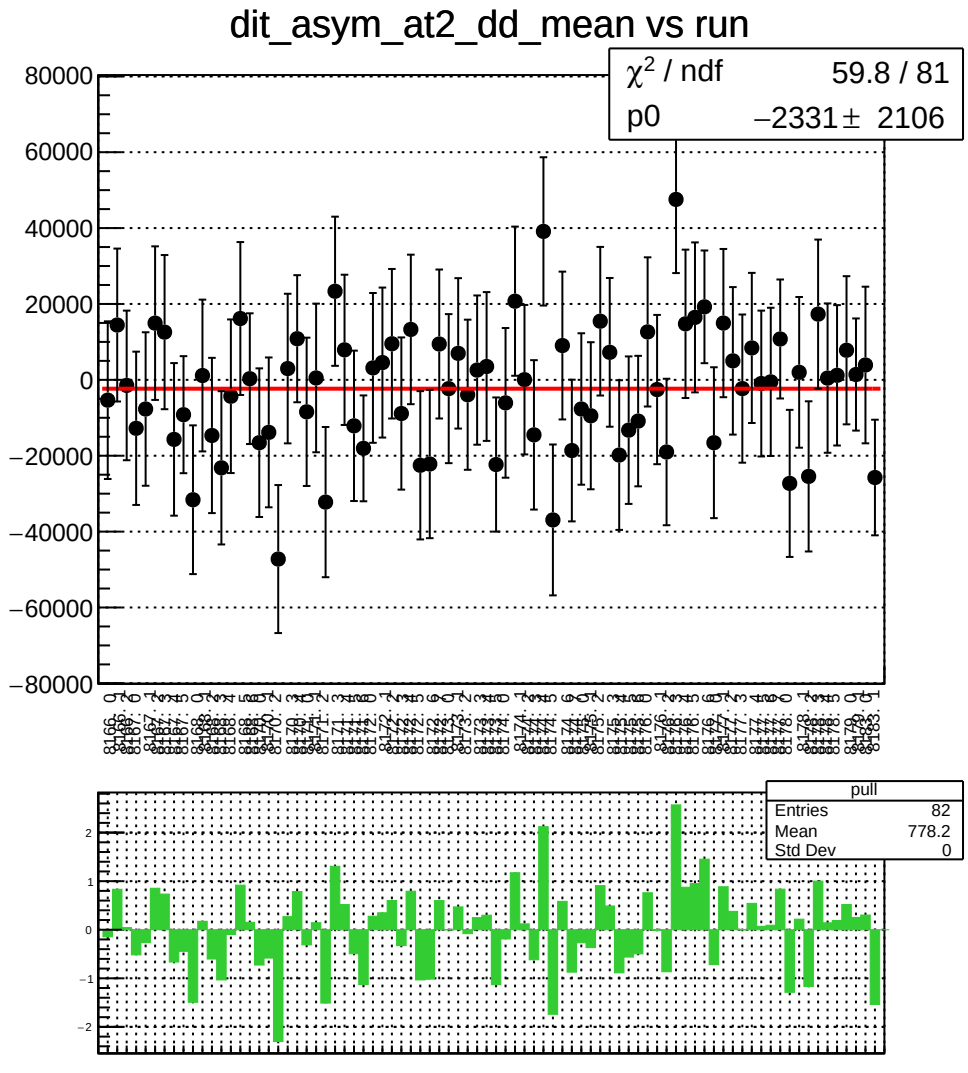

pull1D
Entries 82
Mean 0.003935
Std Dev 0.8582
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

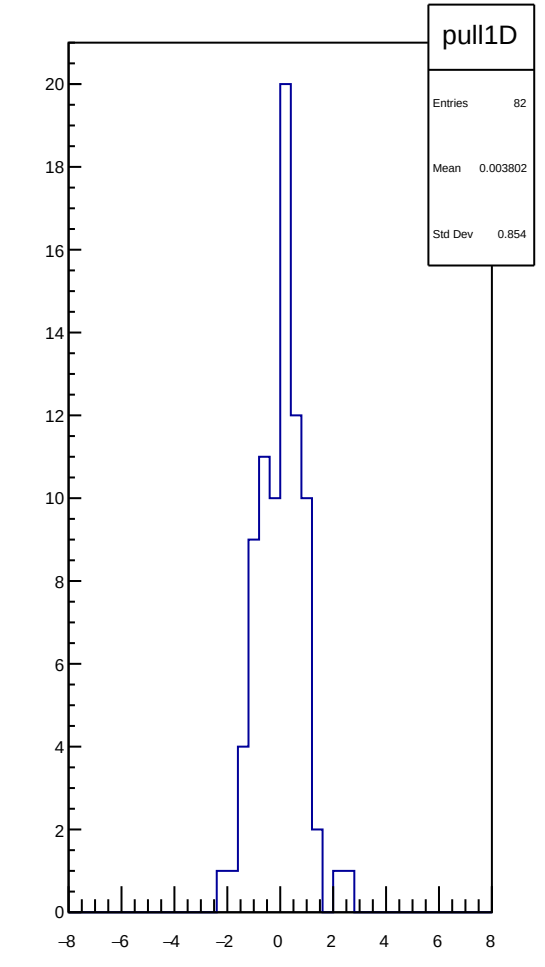

eigen_cor_asym_at2_dd_rms vs run
χ^2 / ndf 316.1 / 81
p0 1872 ± 1.488
2000
1950
1900
1850
1800

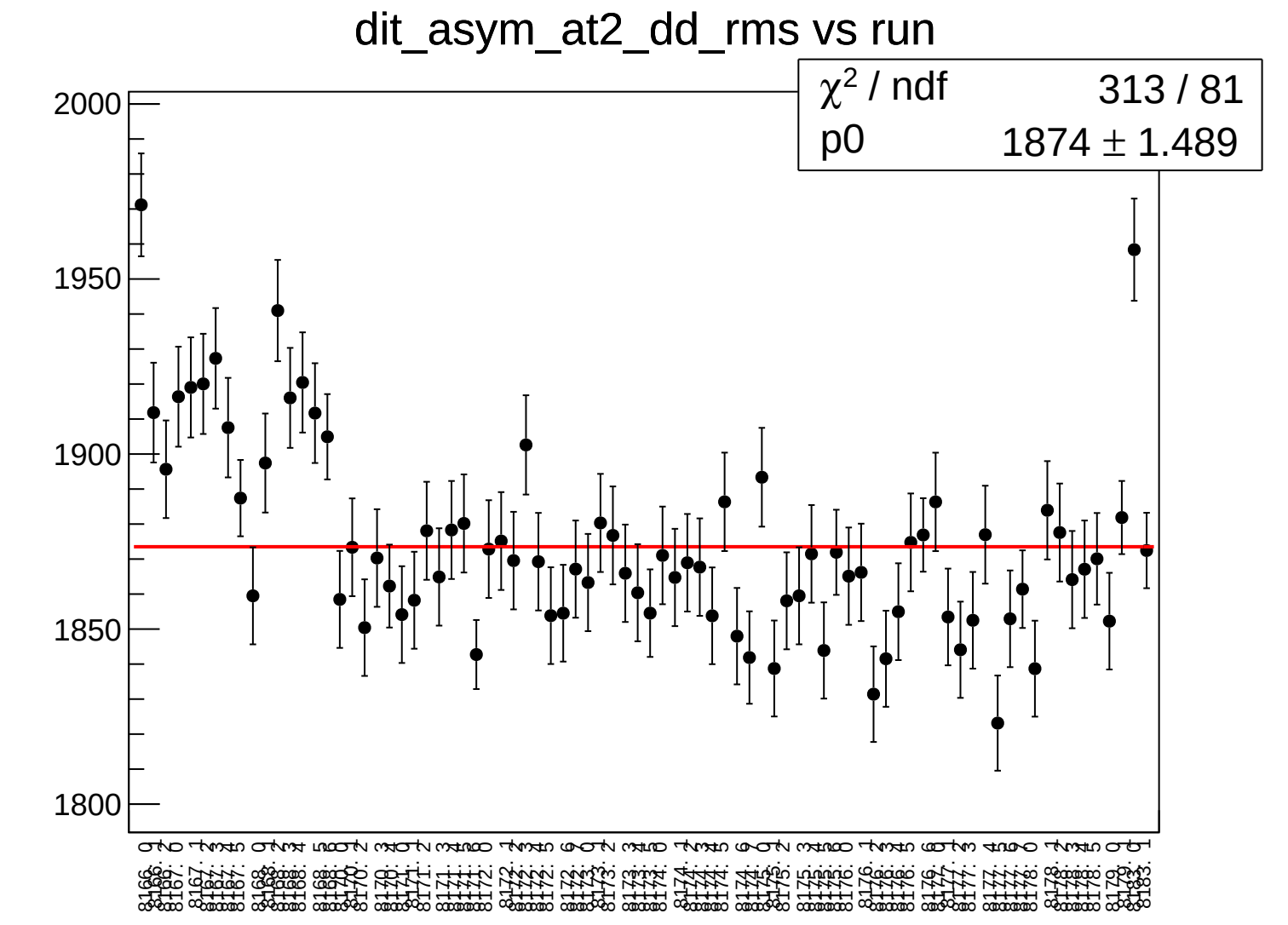

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 91.44 / 81
p0 2204 ± 2630
pull
Entries 82
Mean −1760
Std Dev 0

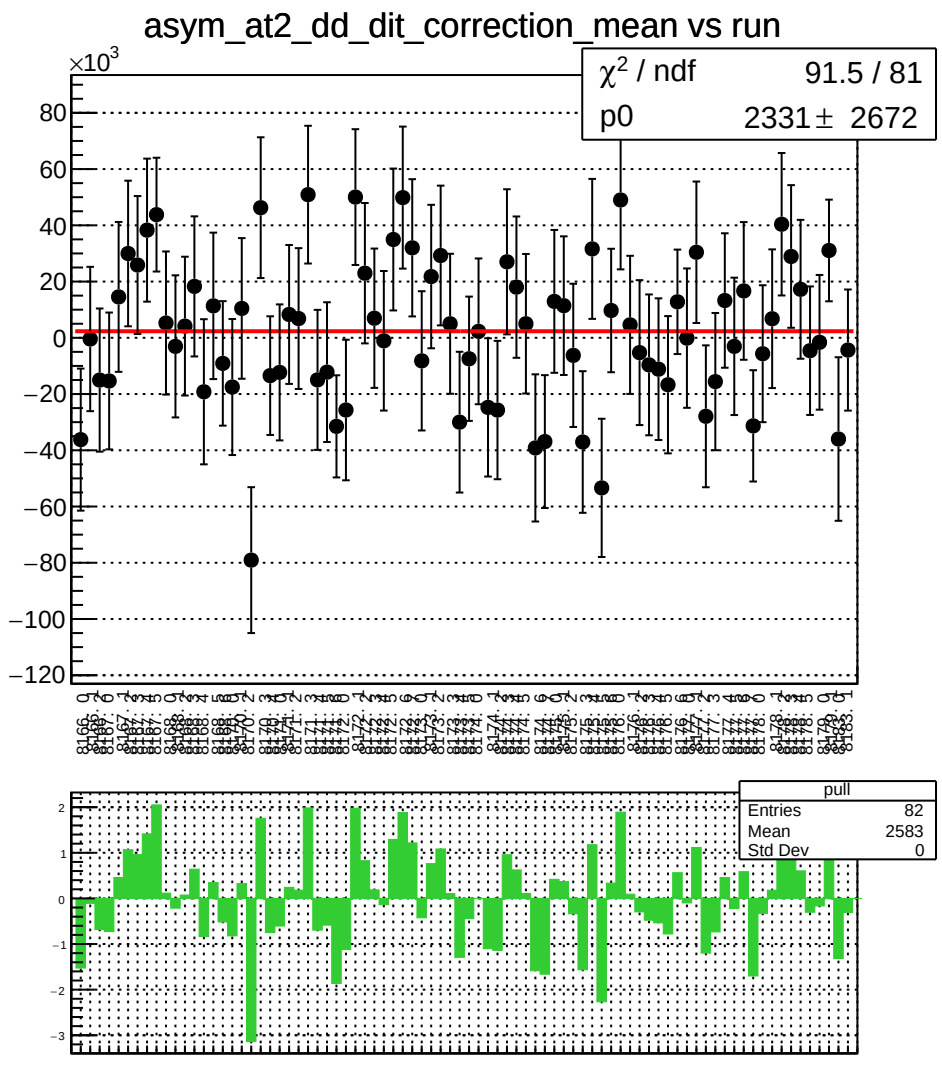

pull1D
Entries 82
Mean 0.0004876
Std Dev 1.056

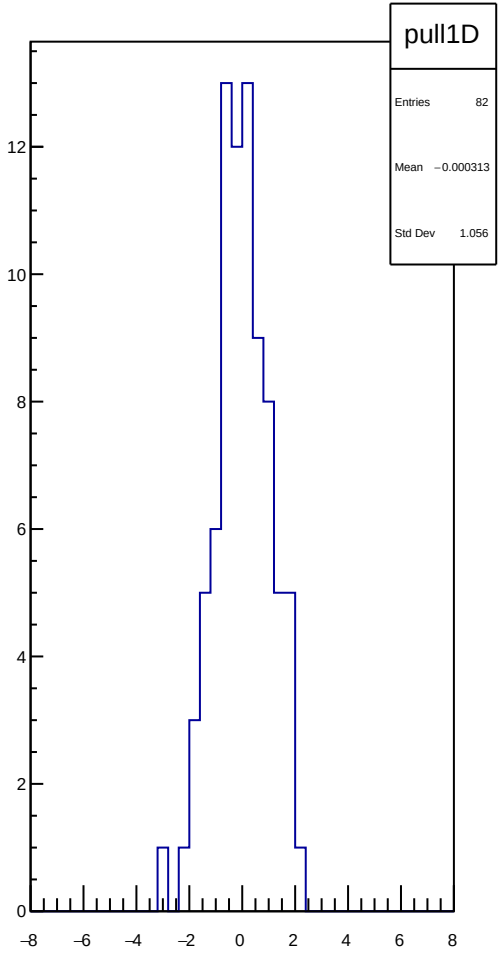

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1732 / 81
p0 2339 ± 1.86
2700
2600
2500
2400
2300
2200

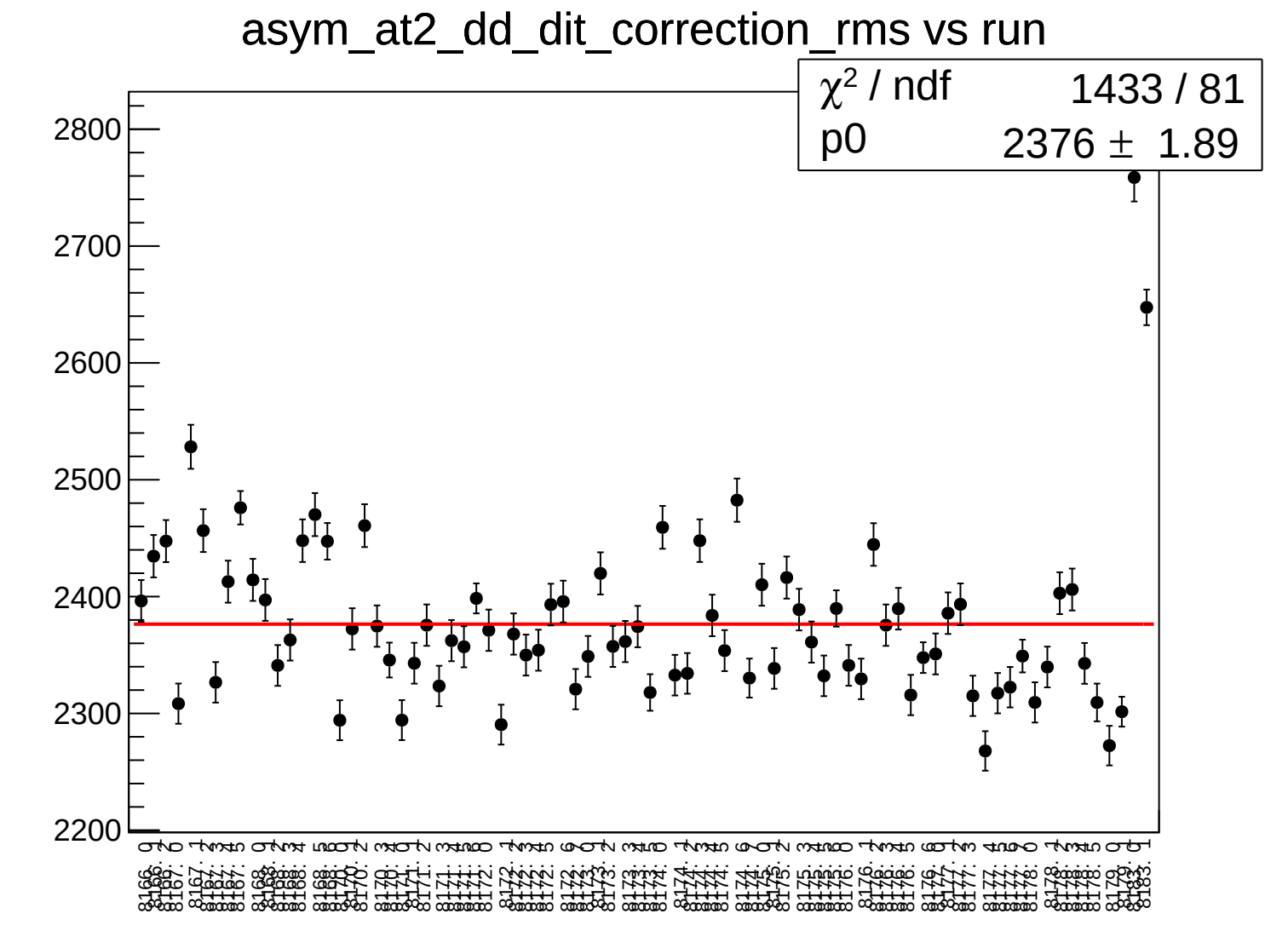

dit_asym_at2_dd_mean vs run
χ² / ndf 59.8 / 81
p0 −2331 ± 2106
pull
Entries 82
Mean 778.2
Std Dev 0

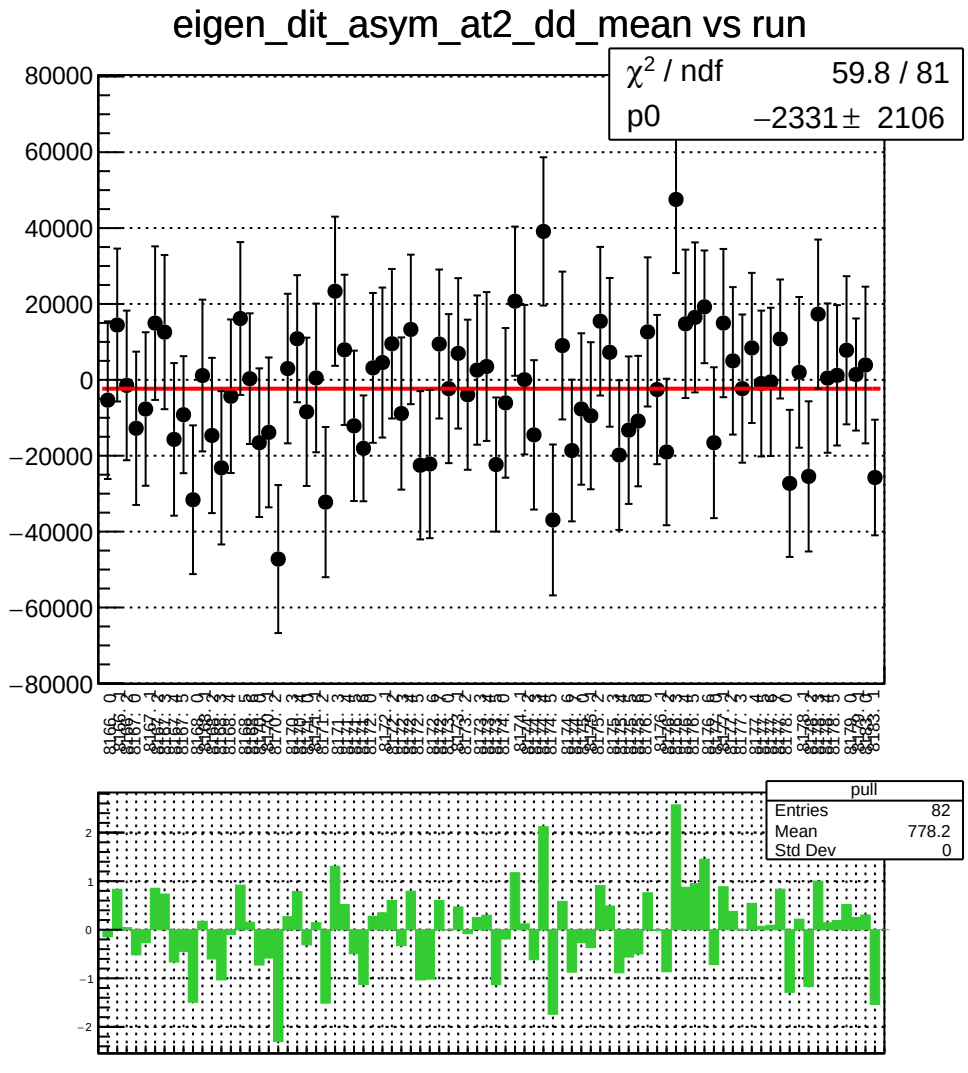

pull1D
Entries 82
Mean 0.003802
Std Dev 0.854

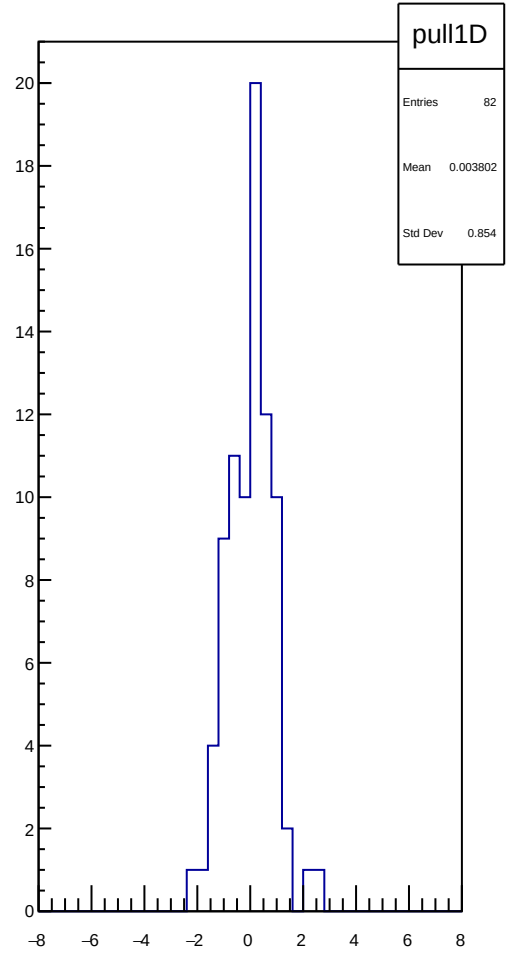

dit_asym_at2_dd_rms vs run
χ² / ndf 313 / 81
p0 1874 ± 1.489
2000
1950
1900
1850
1800

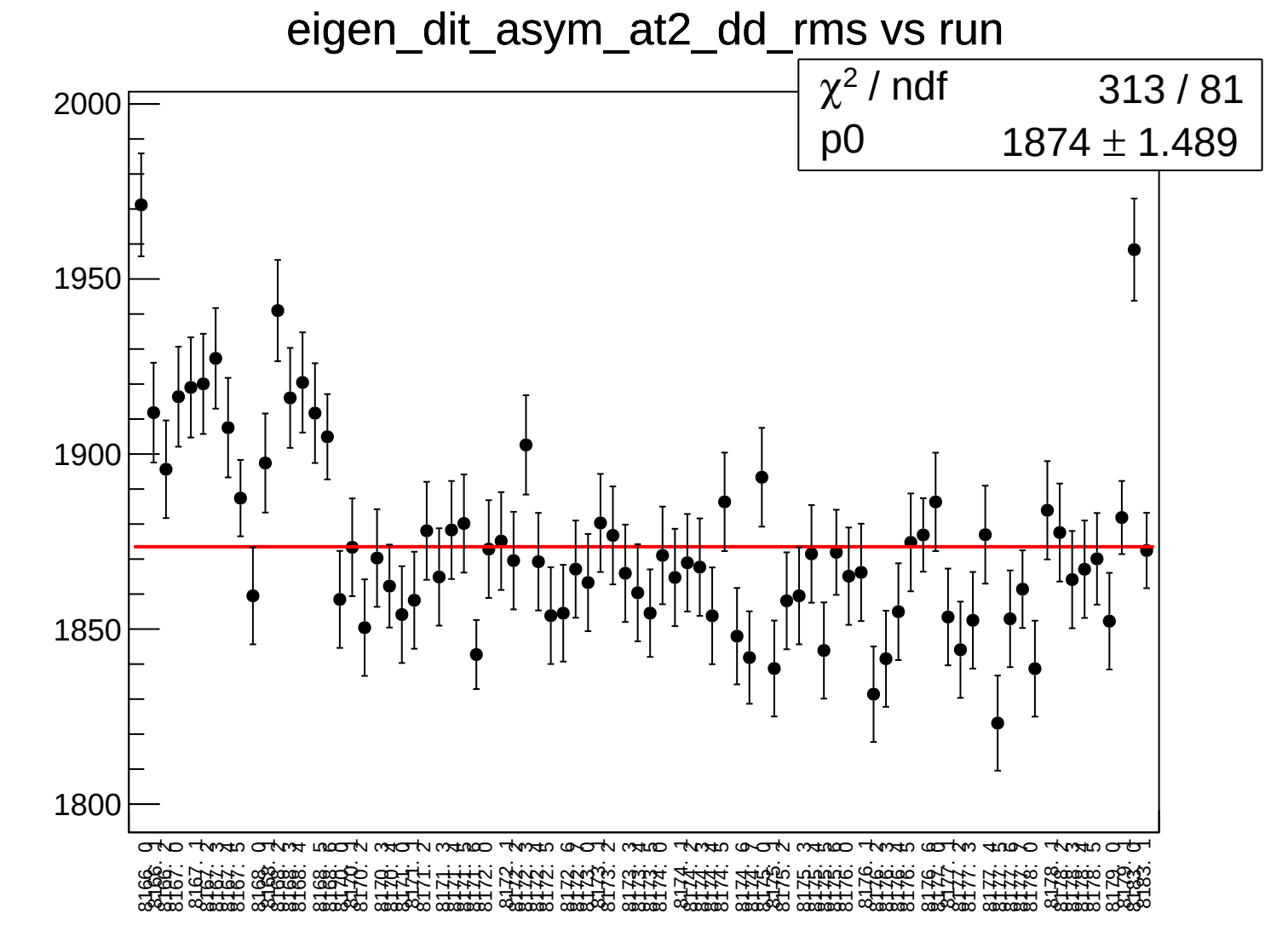

asym_at2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 91.5 / 81
p0 2331 ± 2672
pull
Entries 82
Mean 2583
Std Dev 0

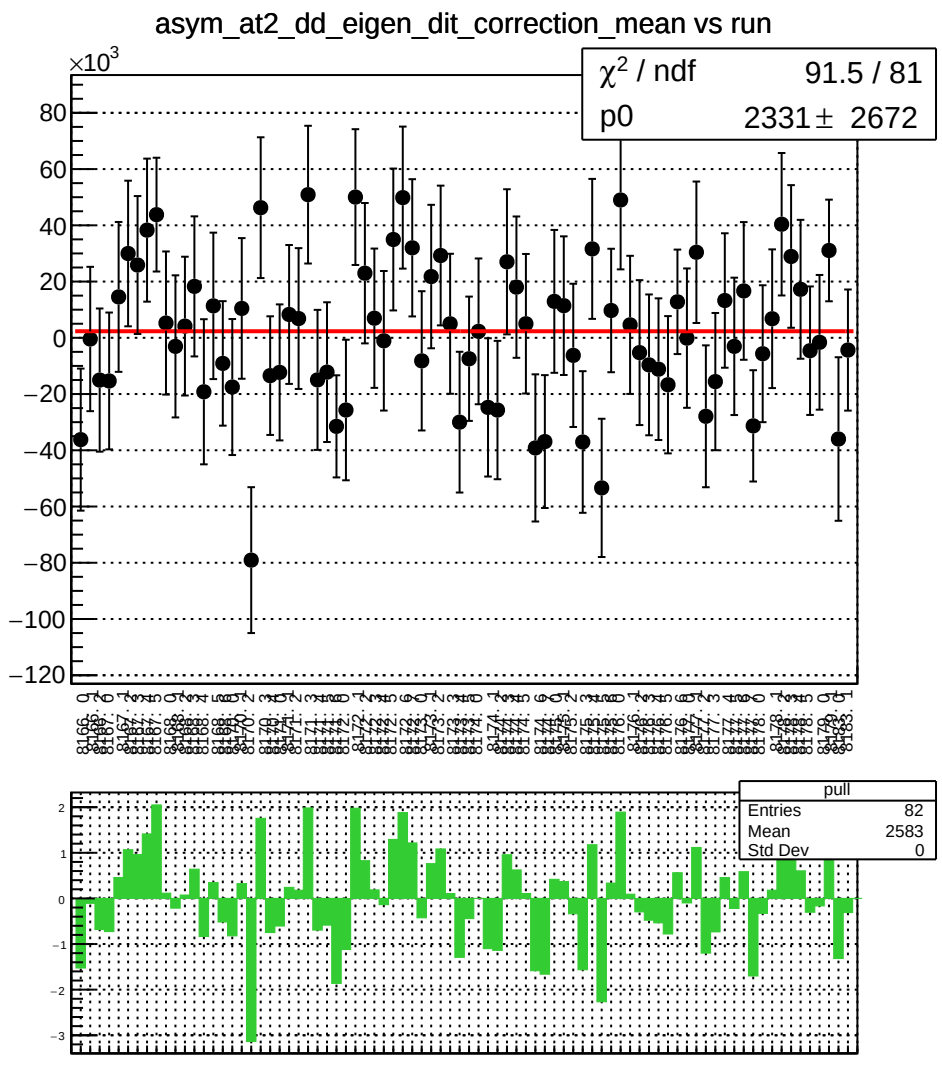

pull1D
Entries 82
Mean −0.000313
Std Dev 1.056

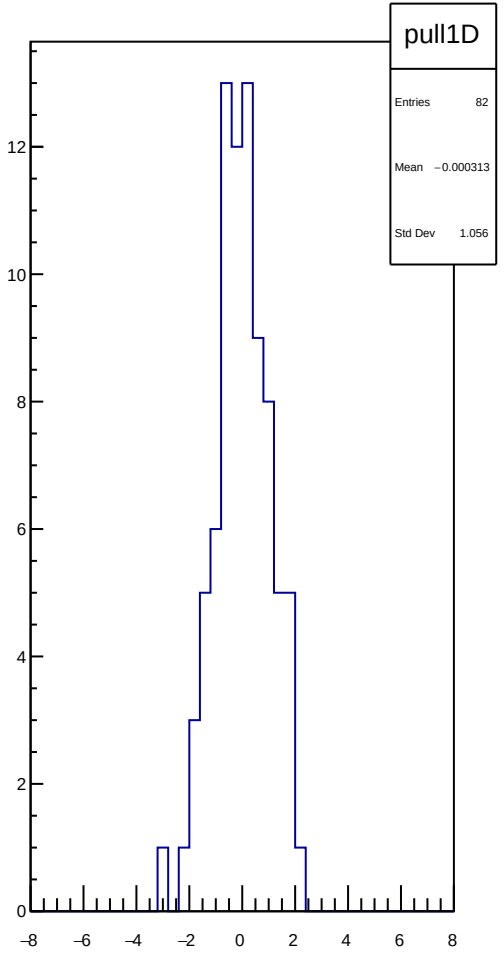

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 1433 / 81
p0 2376 ± 1.89
2800
2700
2600
2500
2400
2300
2200

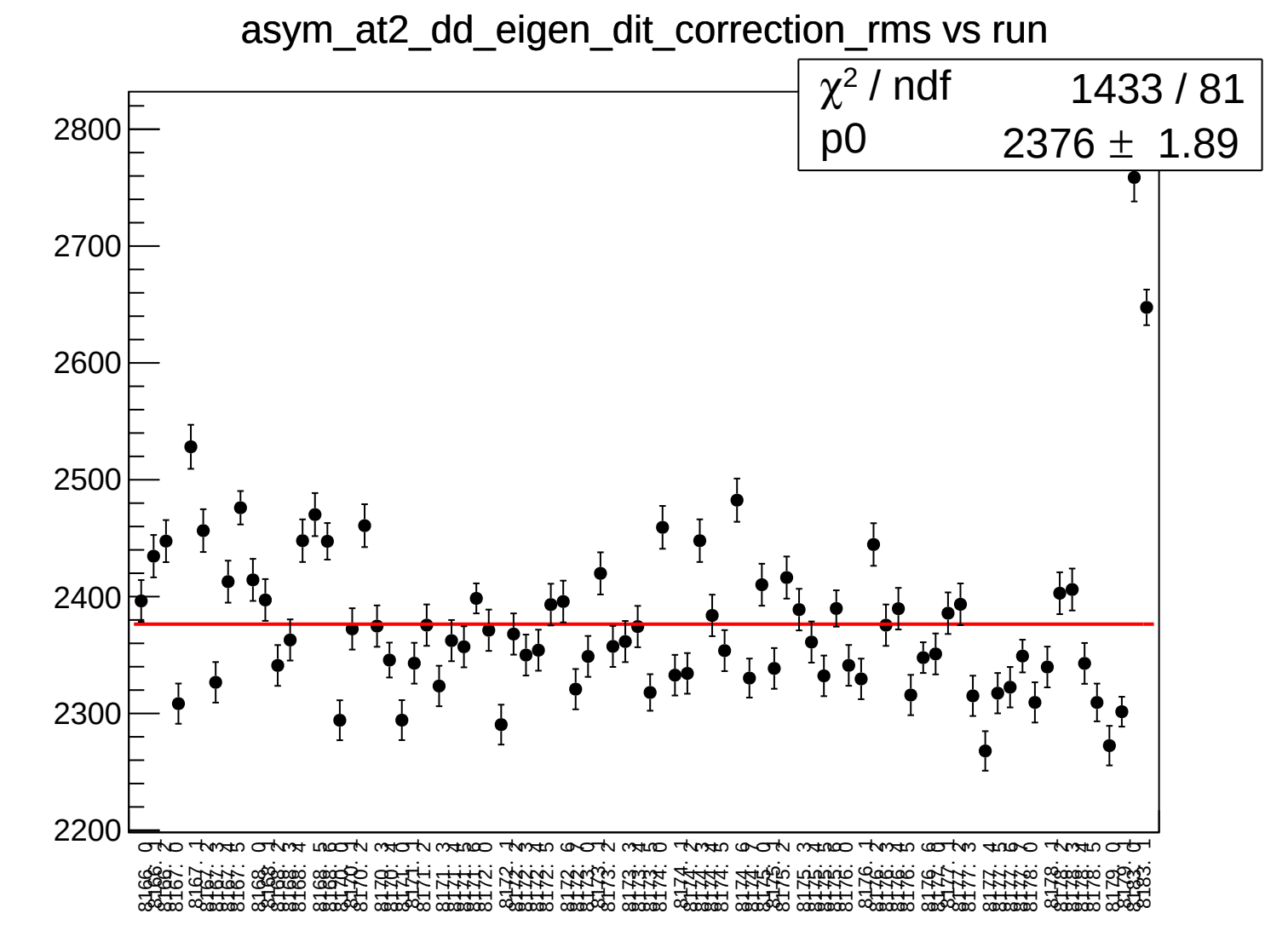

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 59.8 / 81
p0 −2331 ± 2106
pull
Entries 82
Mean 778.2
Std Dev 0

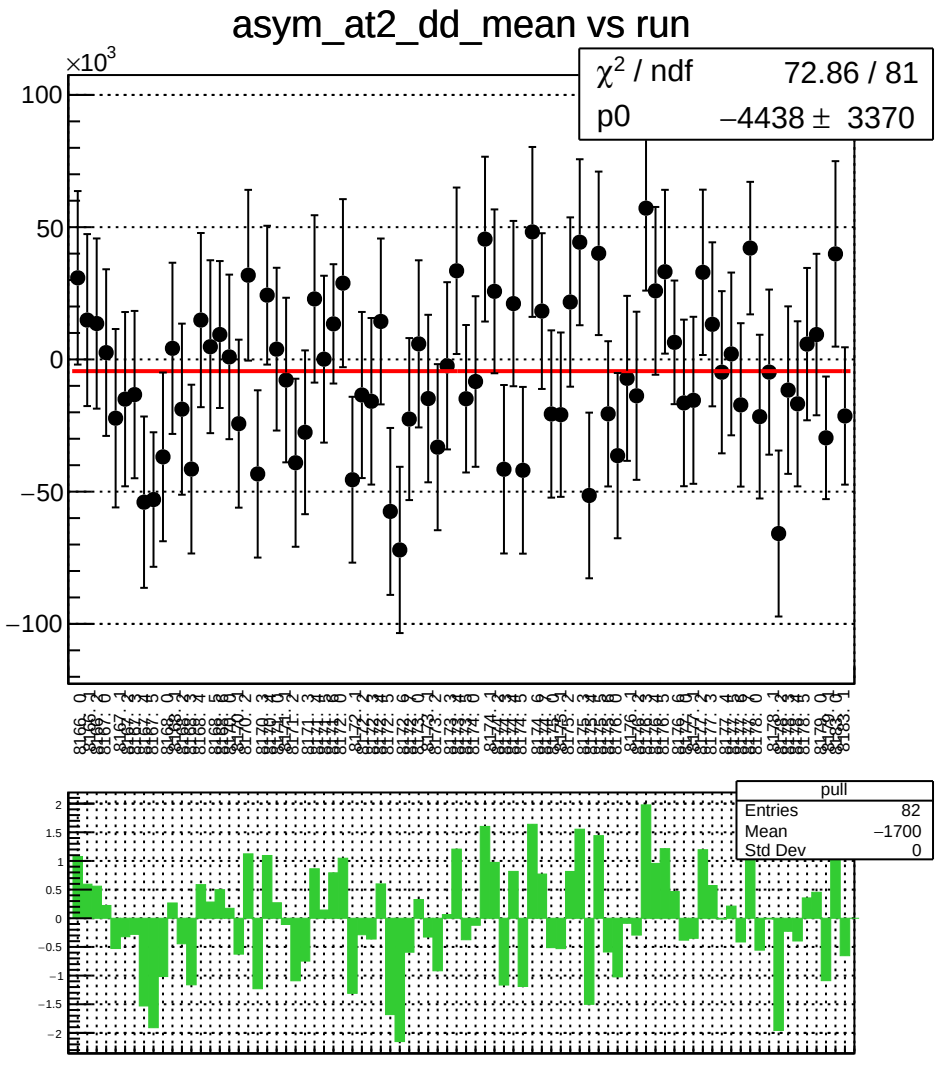

pull1D
Entries 82
Mean 0.003802
Std Dev 0.854

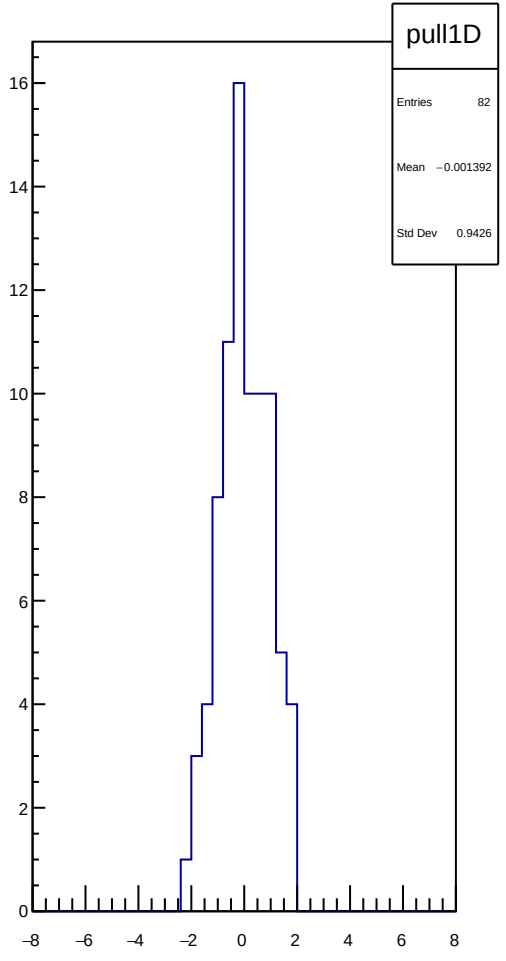

eigen_dit_asym_at2_dd_rms vs run
χ^2 / ndf 313 / 81
p0 1874 ± 1.489
2000
1950
1900
1850
1800

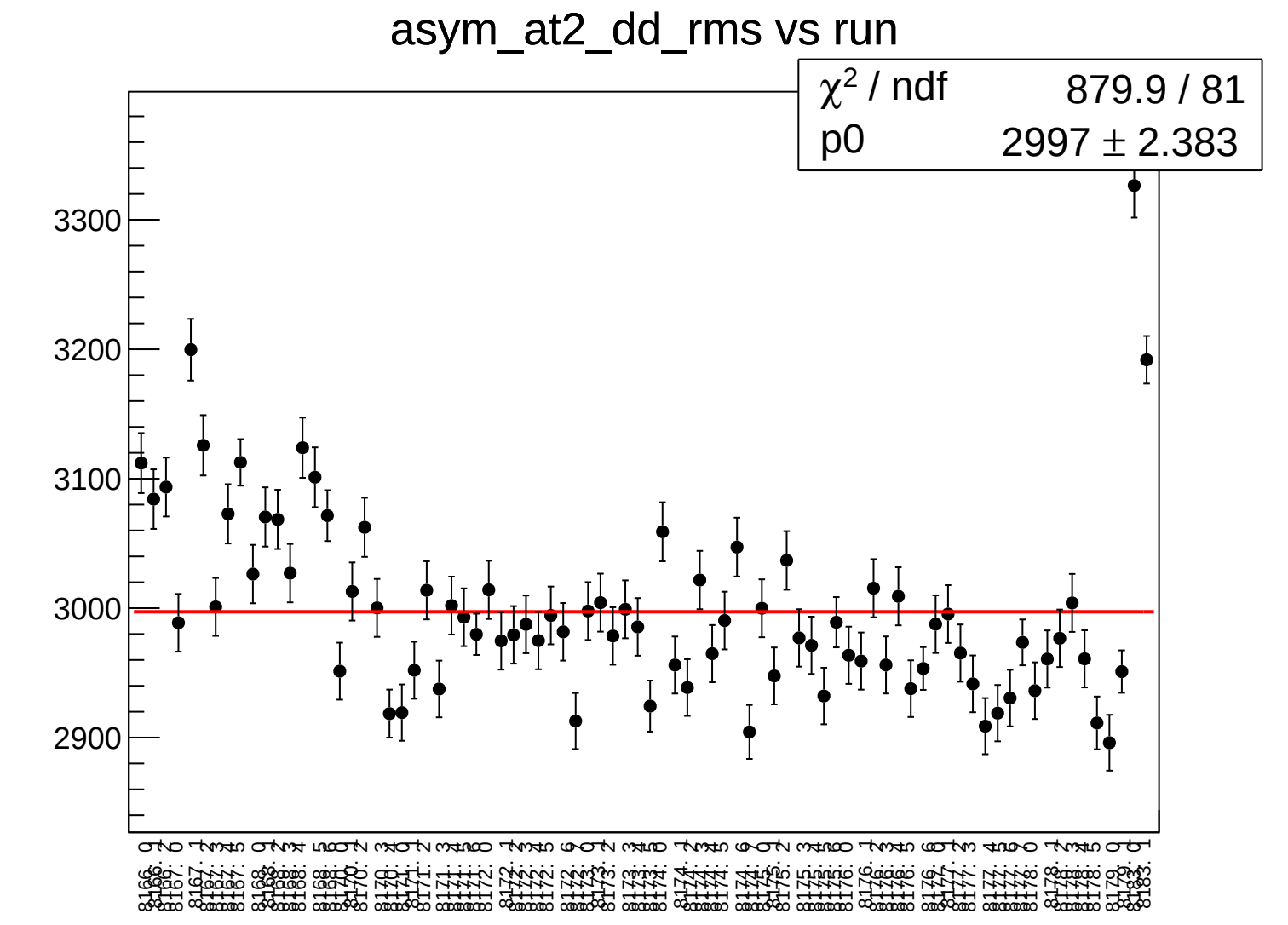

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 91.5 / 81
p0 2331 ± 2672
pull
Entries 82
Mean 2583
Std Dev 0

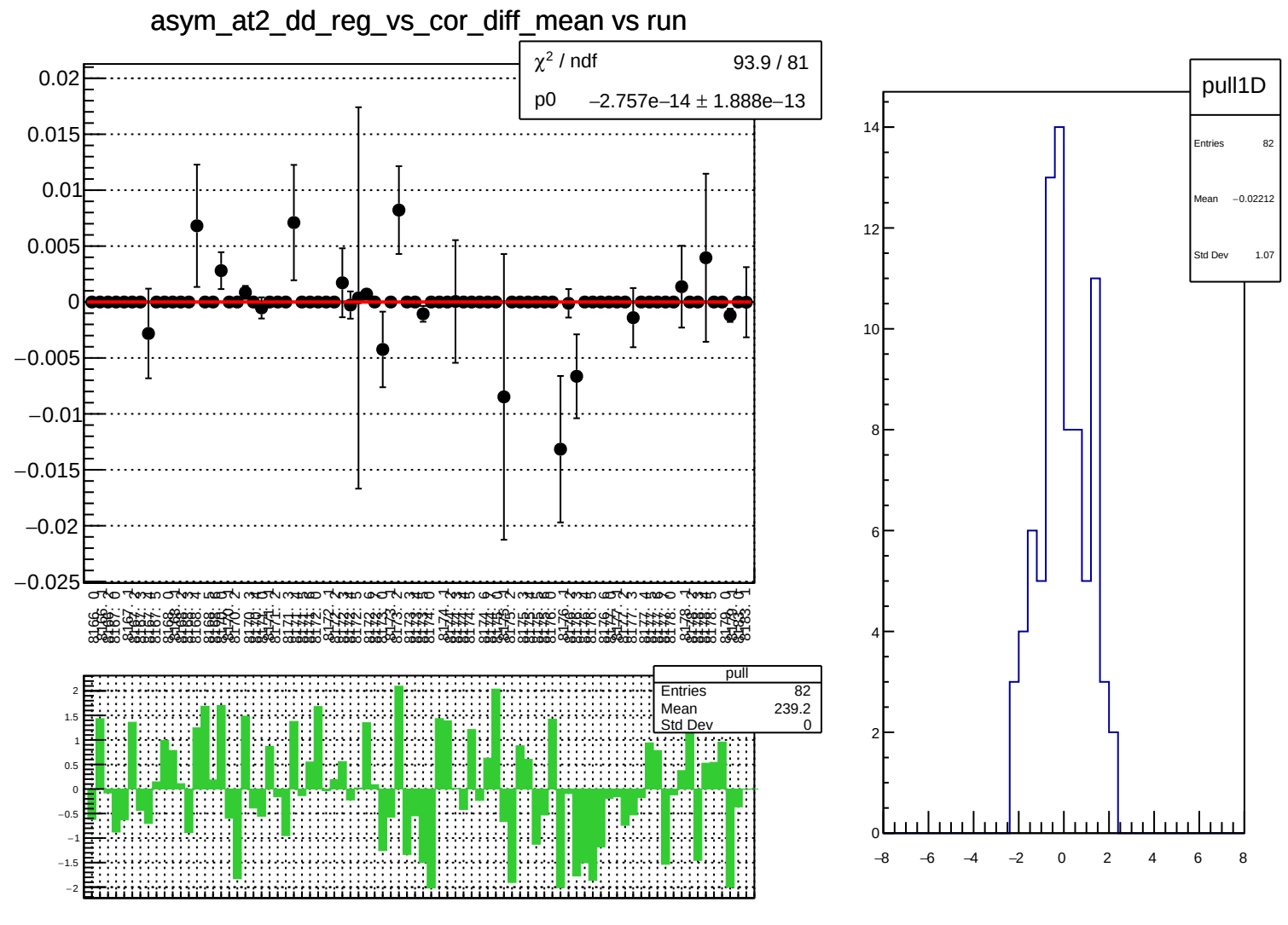

pull1D
Entries 82
Mean −0.000313
Std Dev 1.056

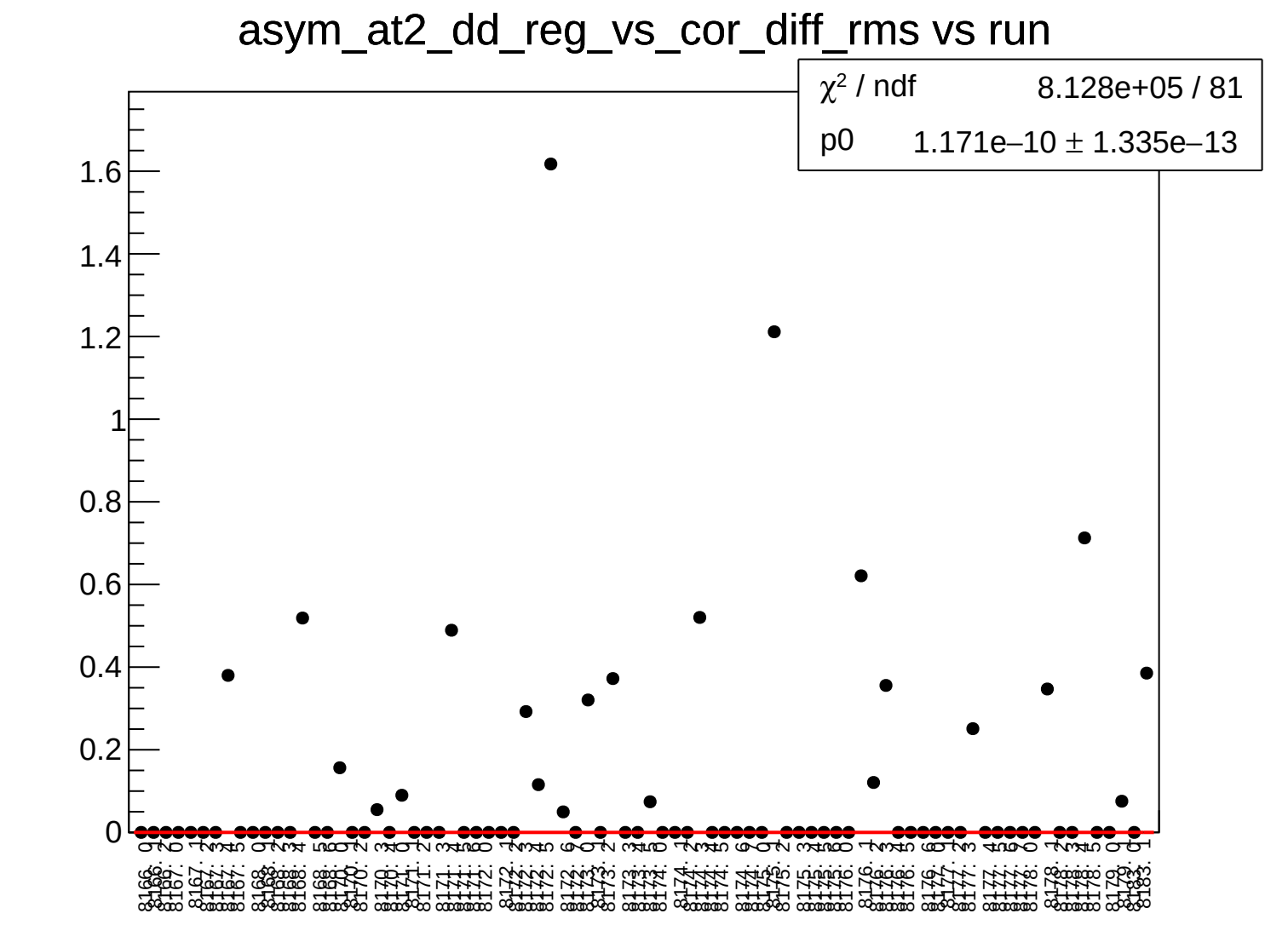

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1433 / 81
p0 2376 ± 1.89
2800
2700
2600
2500
2400
2300
2200

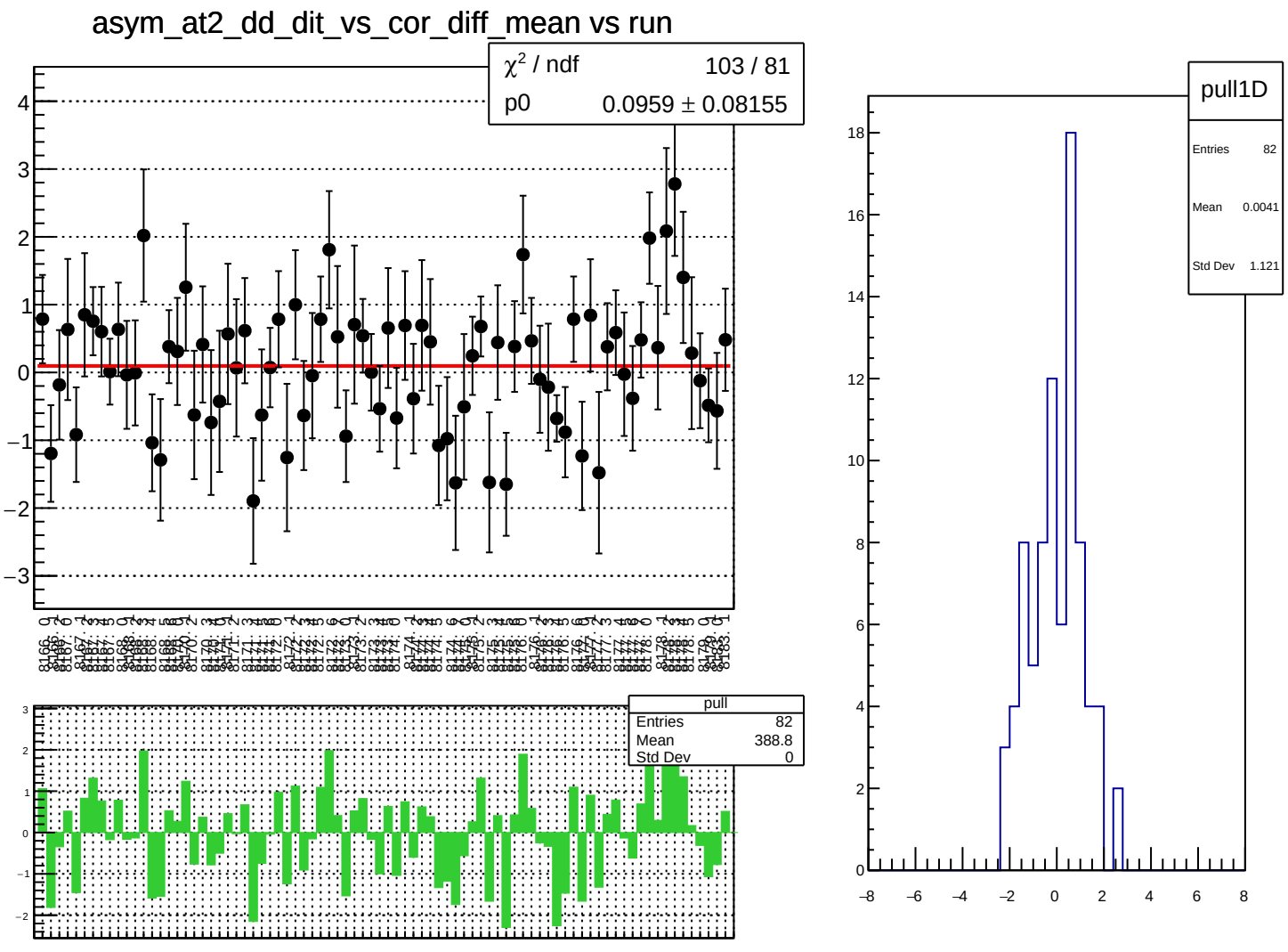

asym_at2_dd_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 72.86 / 81
p0 −4438 ± 3370
pull
Entries 82
Mean −1700
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

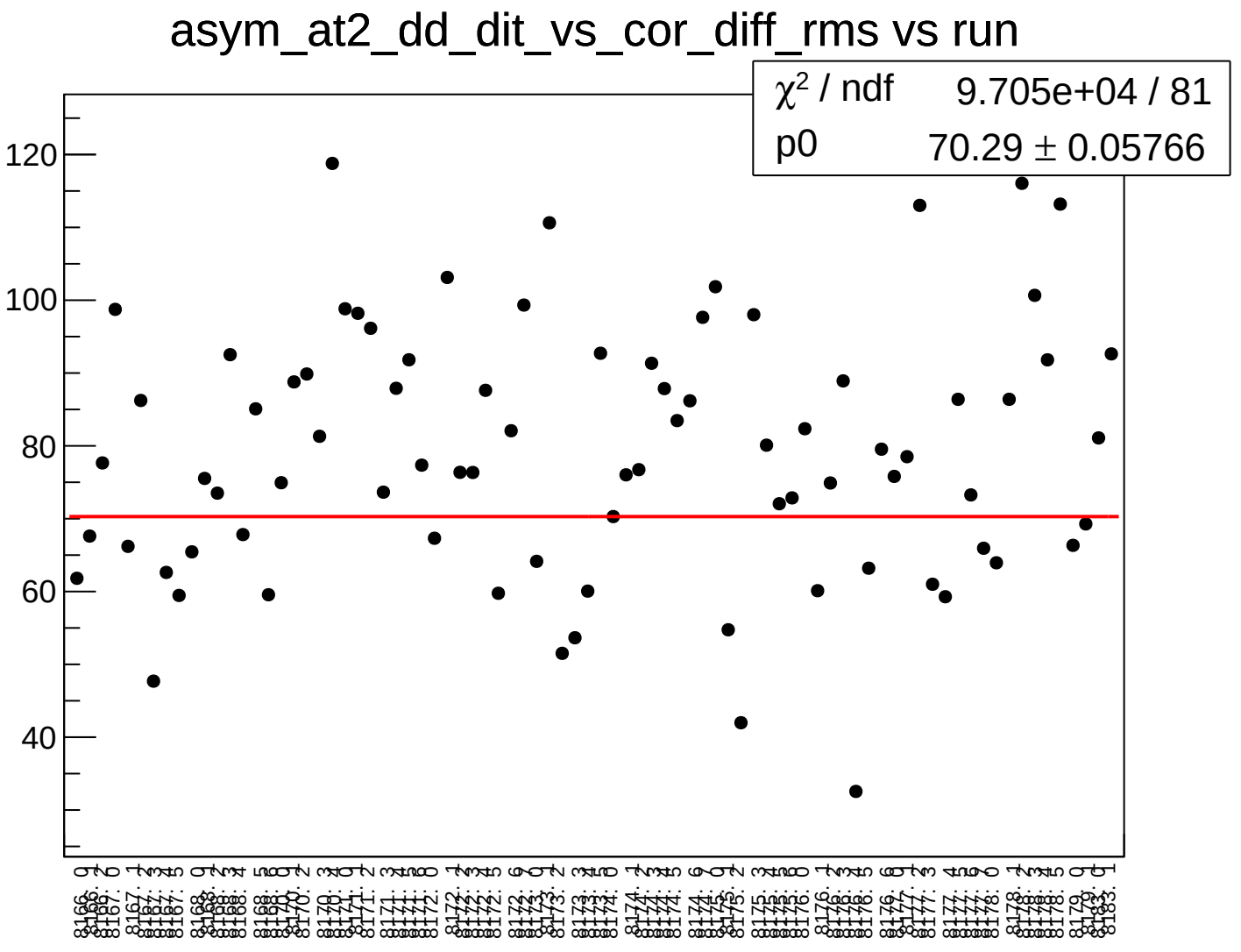

pull1D
Entries 82
Mean −0.001392
Std Dev 0.9426
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_rms vs run
χ² / ndf 879.9 / 81
p0 2997 ± 2.383
3300
3200
3100
3000
2900

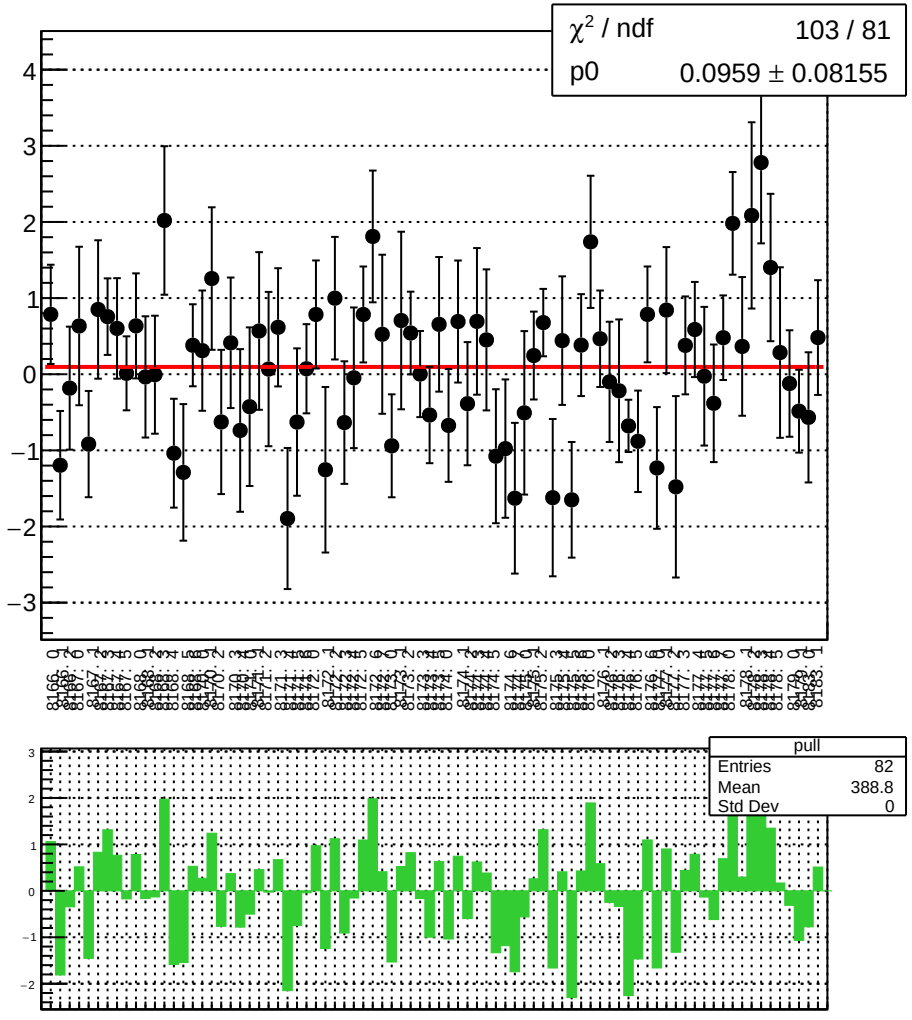

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.9 / 81
p0 −2.757e−14 ± 1.888e−13
pull
Entries 82
Mean 239.2
Std Dev 0
pull1D
Entries 82
Mean −0.02212
Std Dev 1.07

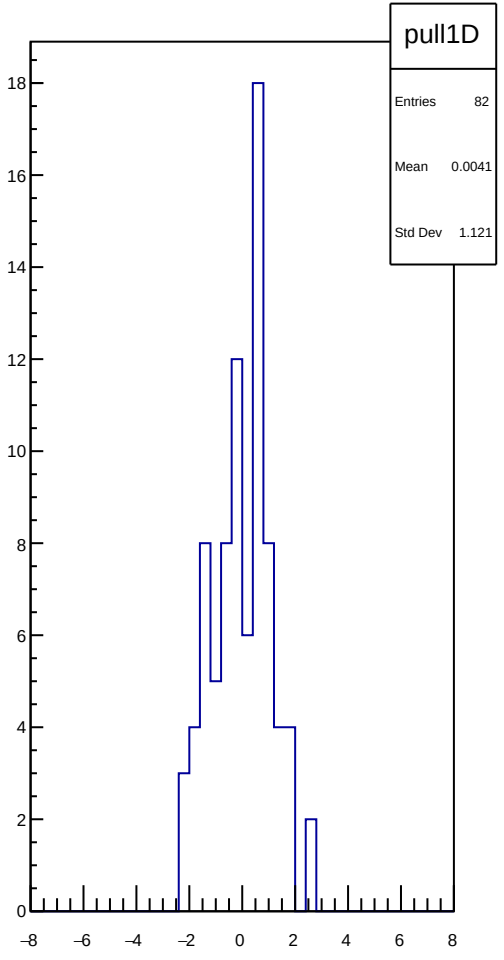

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.128e+05 / 81
p0 1.171e−10 ± 1.335e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

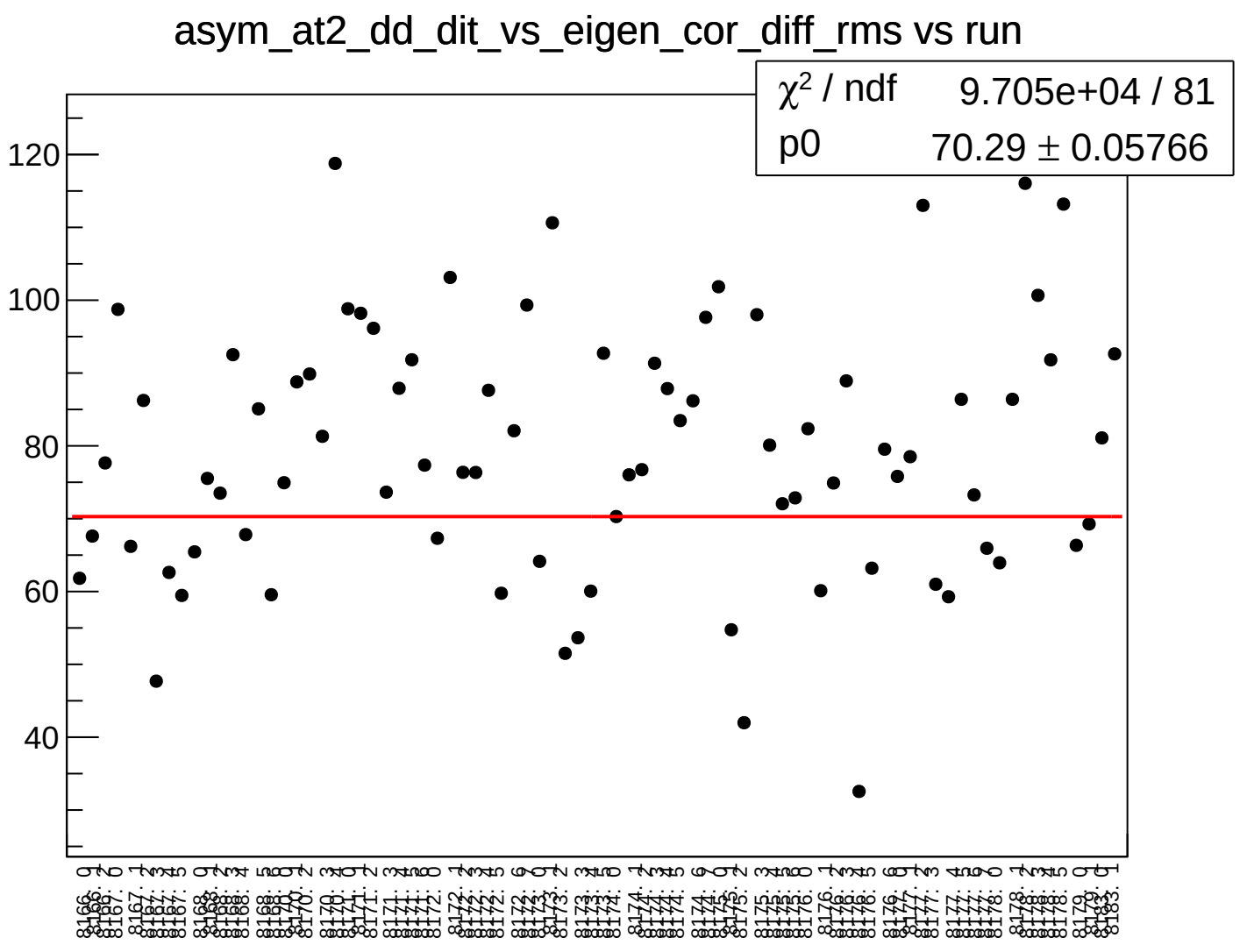

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 103 / 81
p0 0.0959 ± 0.08155
pull
Entries 82
Mean 388.8
Std Dev 0
pull1D
Entries 82
Mean 0.0041
Std Dev 1.121

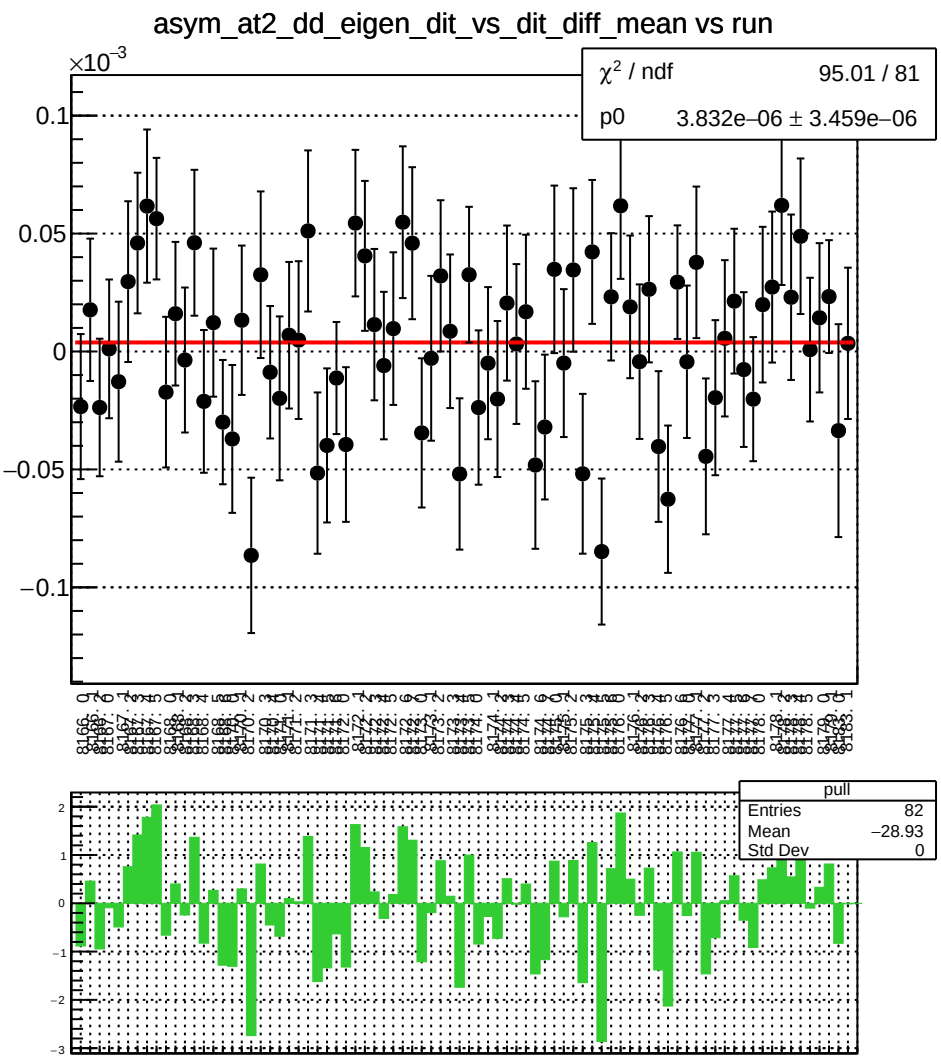

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.705e+04 / 81
p0 70.29 ± 0.05766
120
100
80
60
40

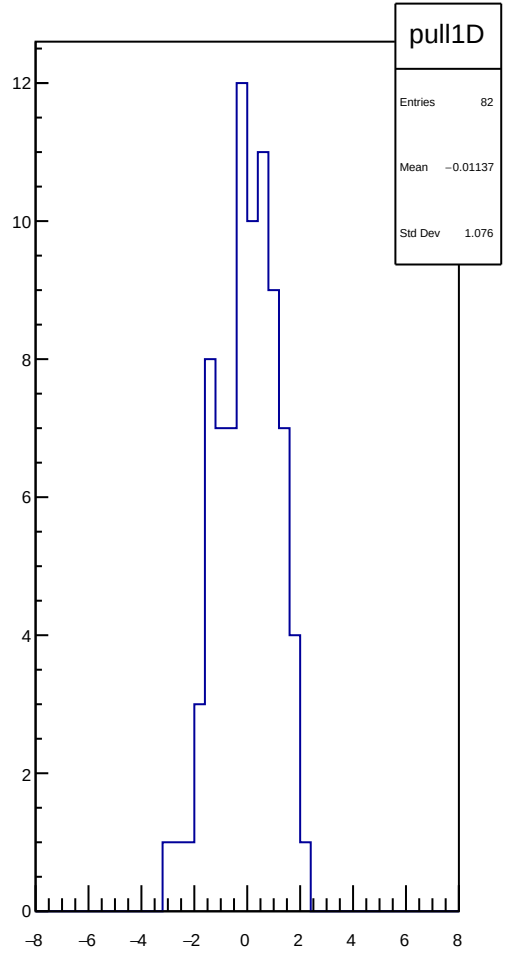
asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run

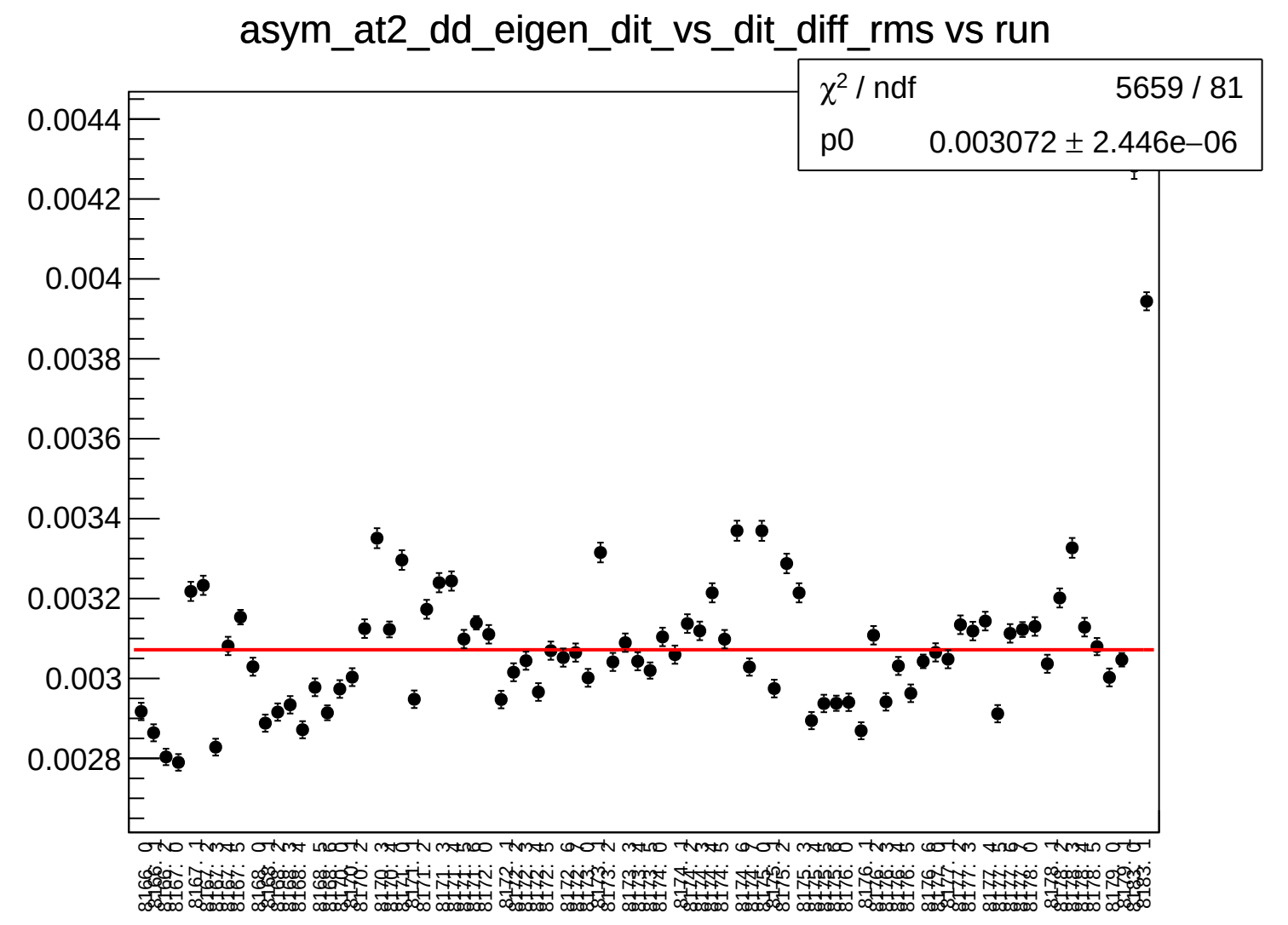


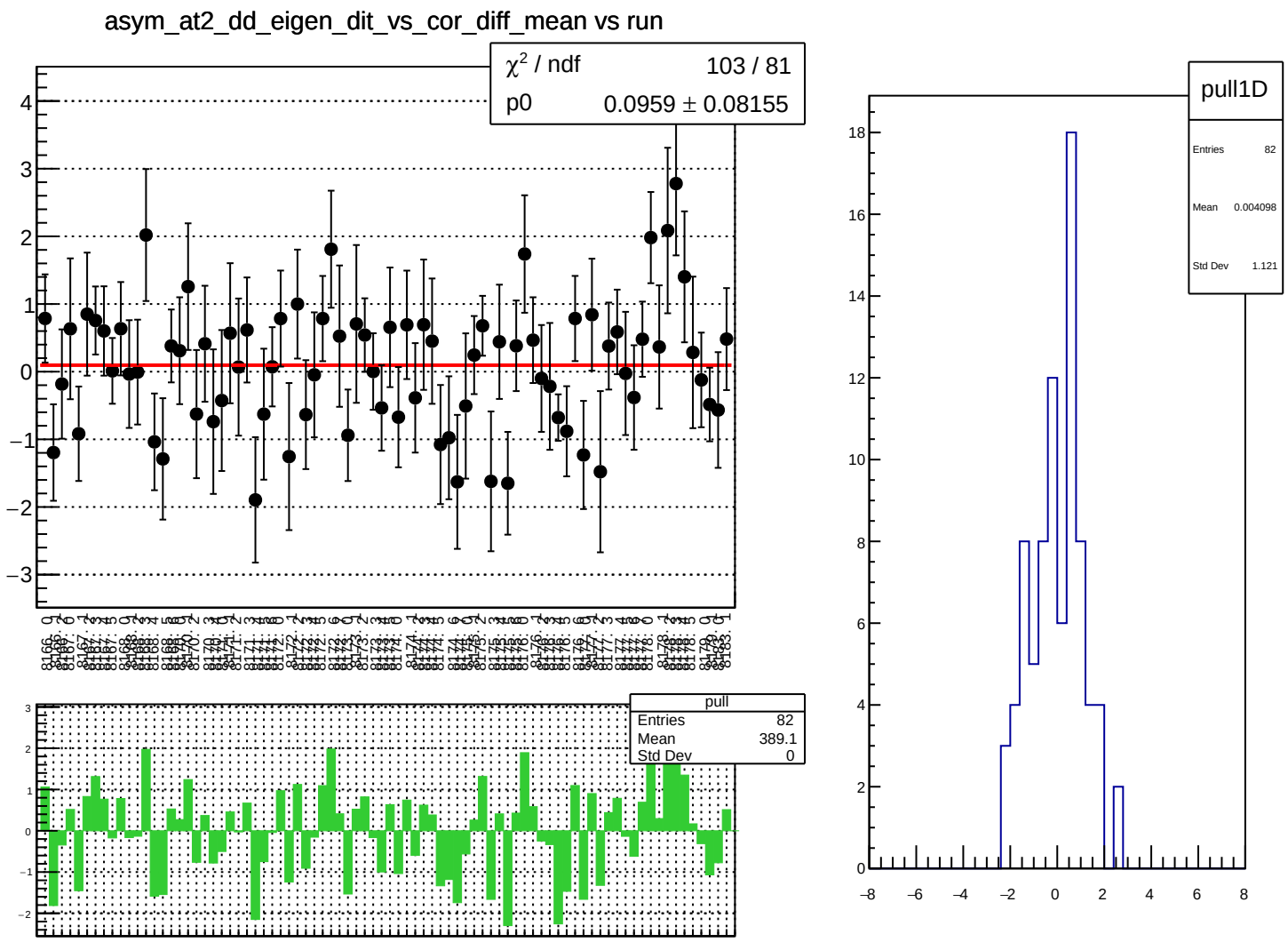


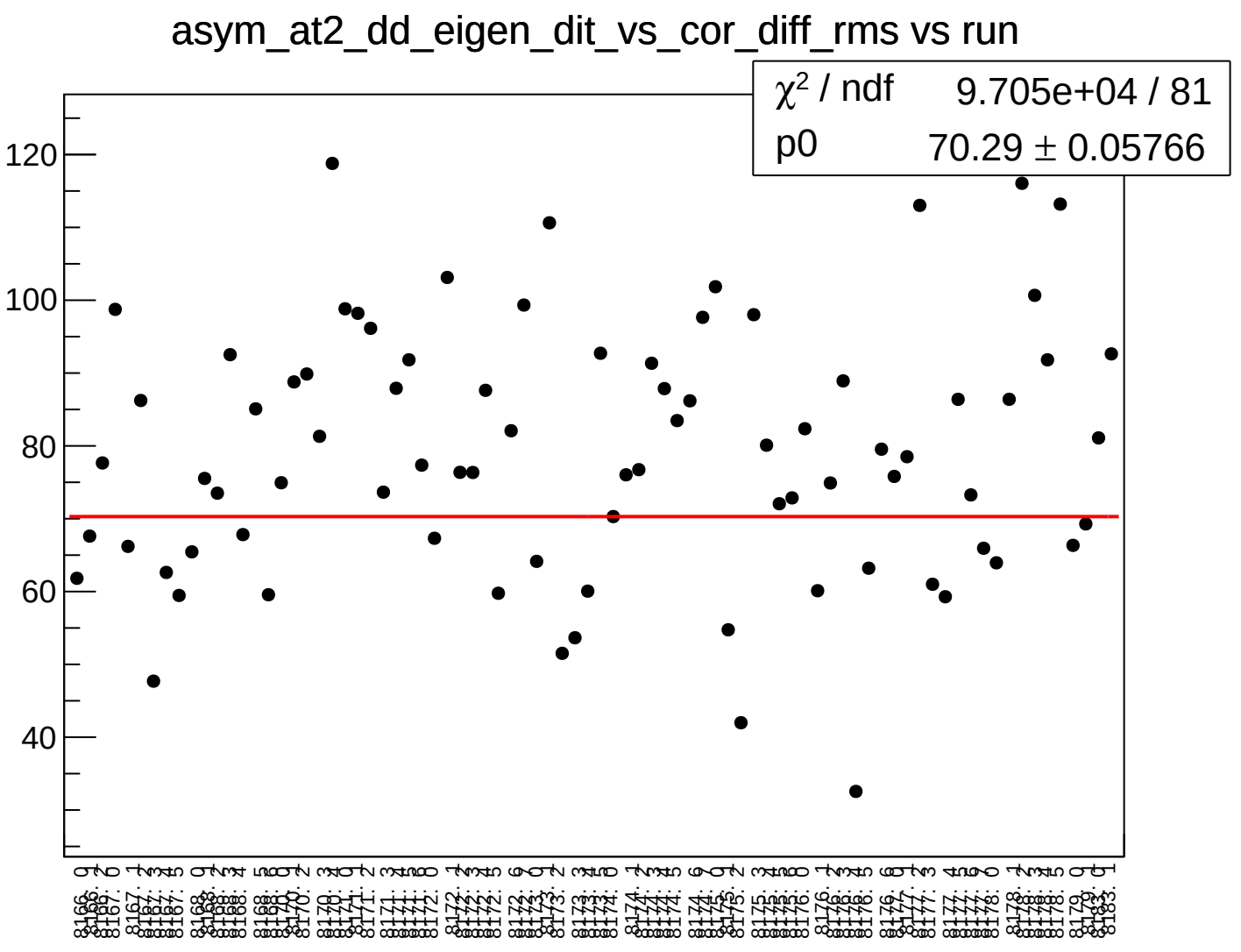

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 9.705e+04 / 81
p0 70.29 ± 0.05766
120
100
80
60
40

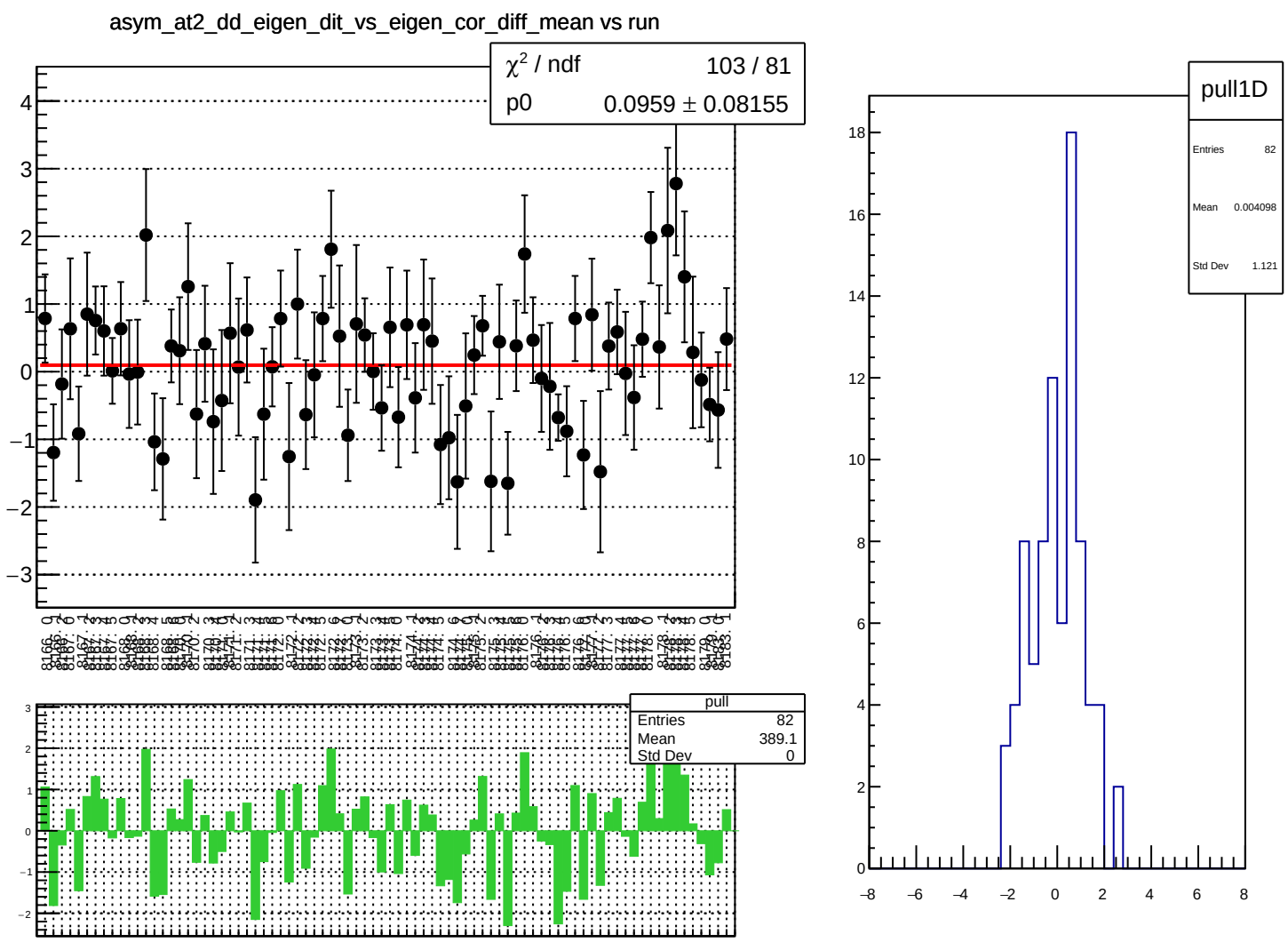

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.01 / 81
p0 3.832e−06 ± 3.459e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean −28.93
Std Dev 0
2
1
0
−1
−2
−3

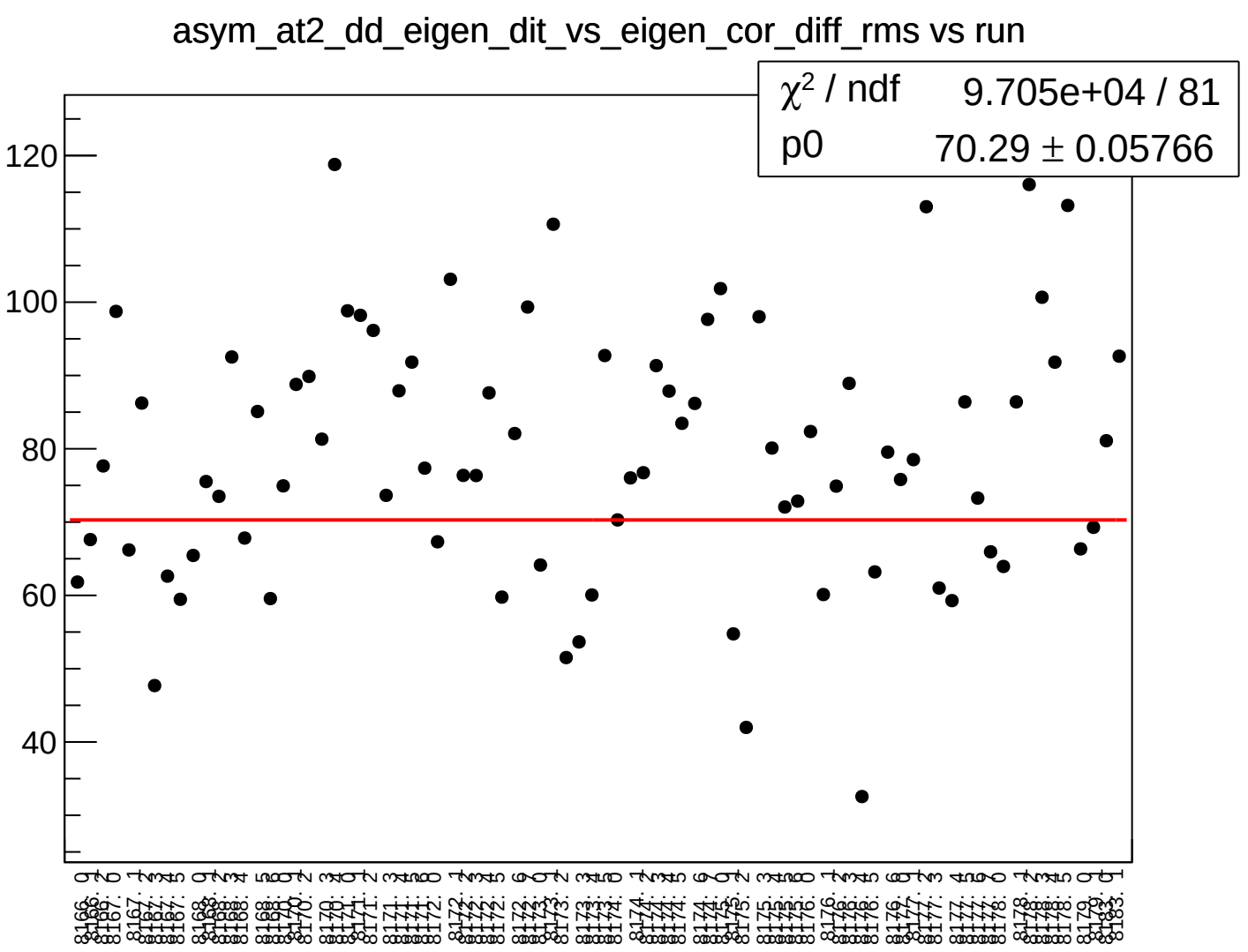

pull1D
Entries 82
Mean −0.01137
Std Dev 1.076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

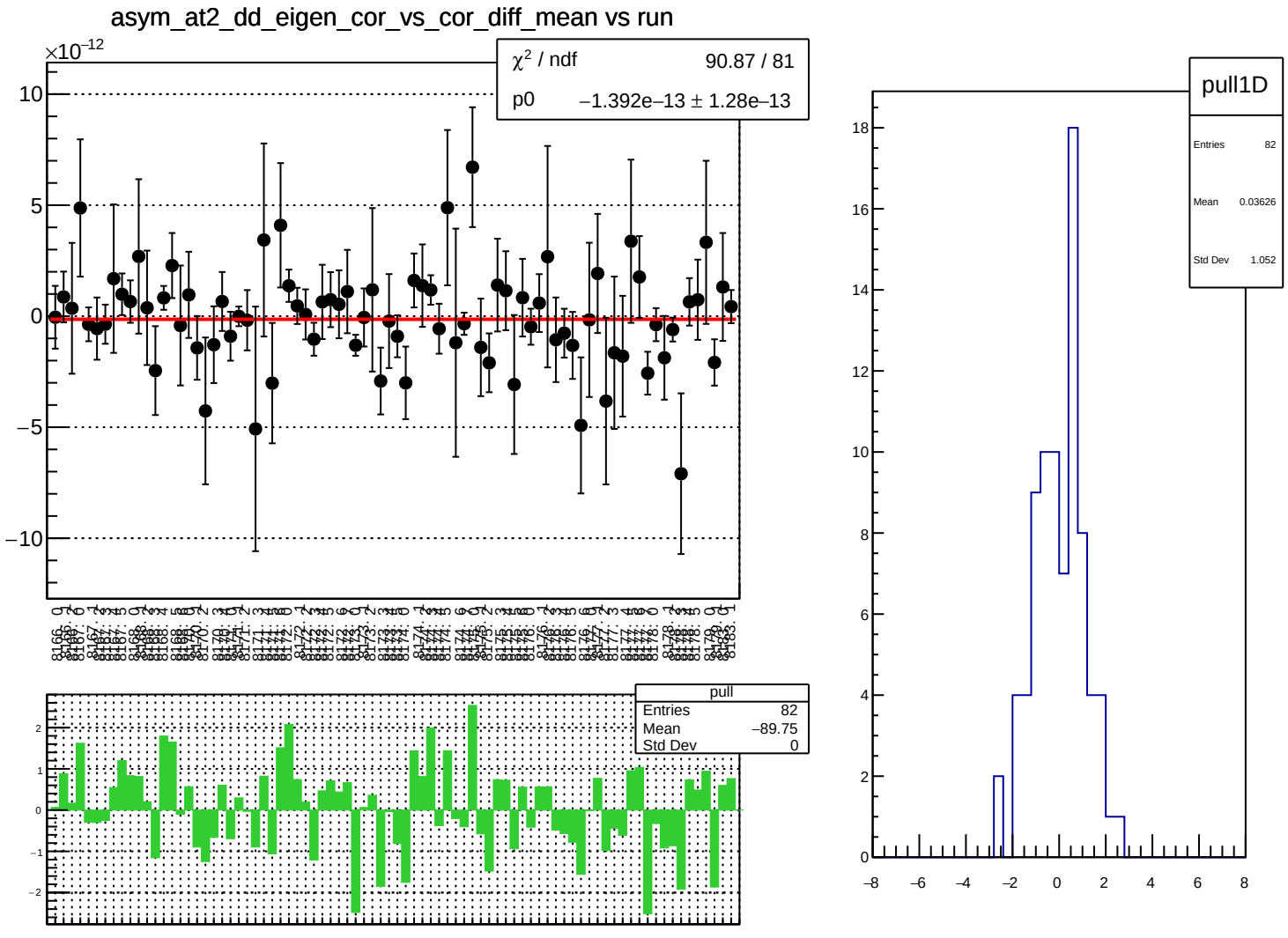

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5659 / 81
p0 0.003072 ± 2.446e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

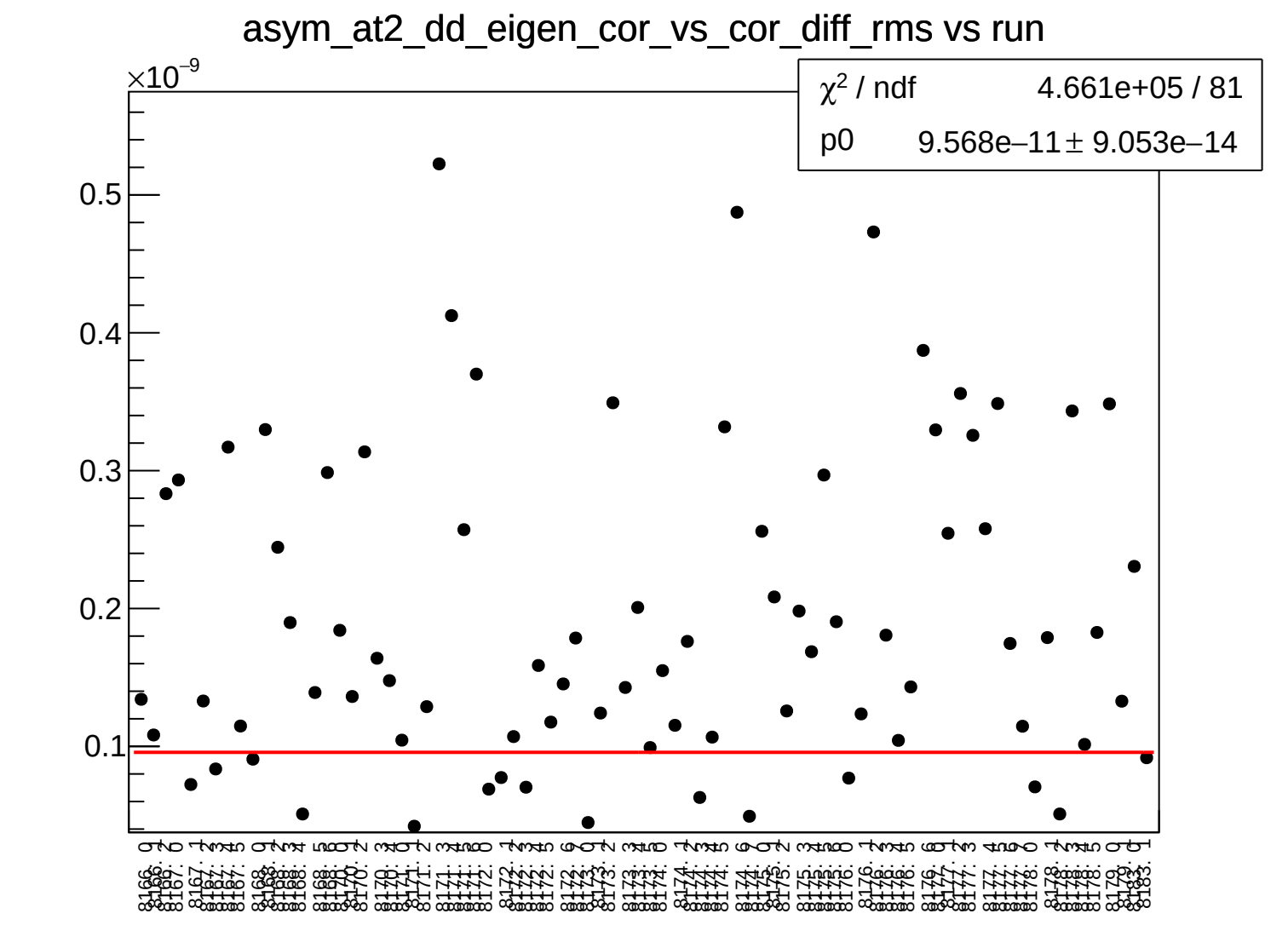

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 103 / 81
p0 0.0959 ± 0.08155
pull
Entries 82
Mean 389.1
Std Dev 0
pull1D
Entries 82
Mean 0.004098
Std Dev 1.121

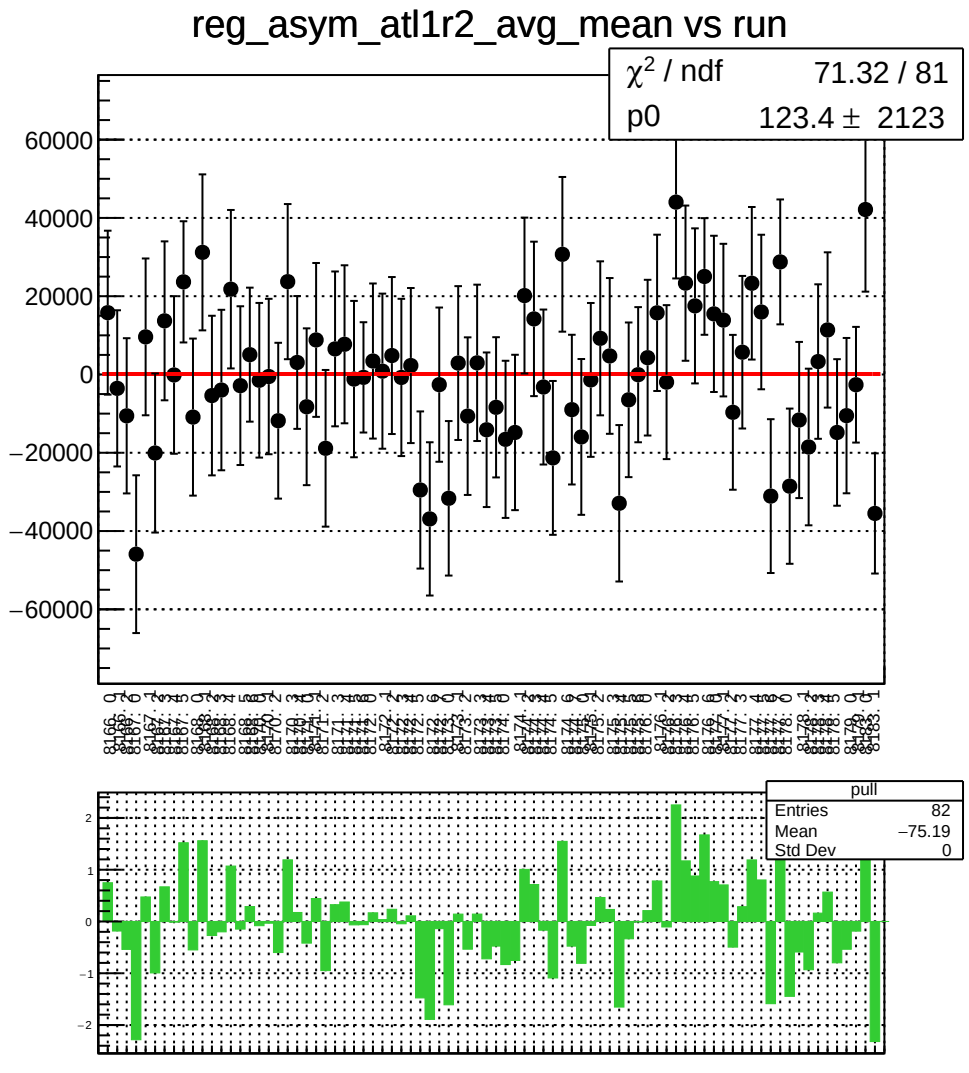

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.705e+04 / 81
p0 70.29 ± 0.05766
120
100
80
60
40

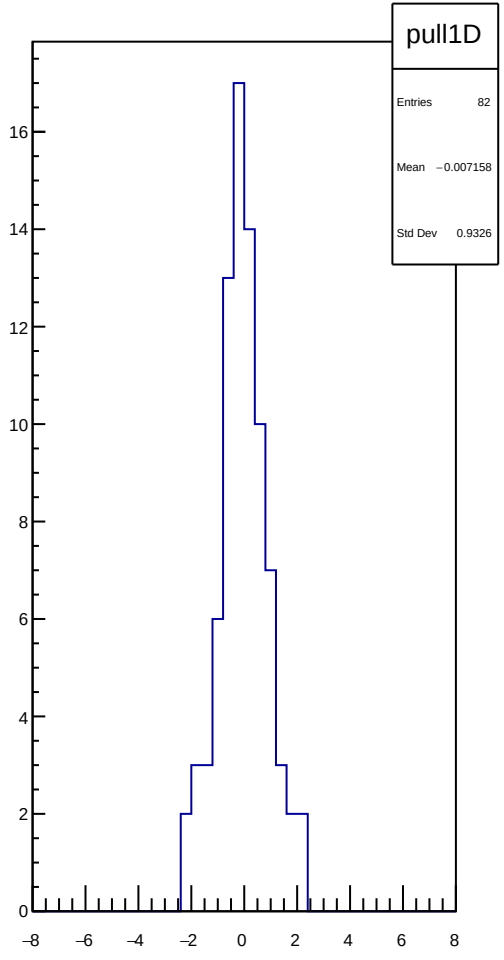

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103 / 81
p0 0.0959 ± 0.08155
pull
Entries 82
Mean 389.1
Std Dev 0
pull1D
Entries 82
Mean 0.004098
Std Dev 1.121

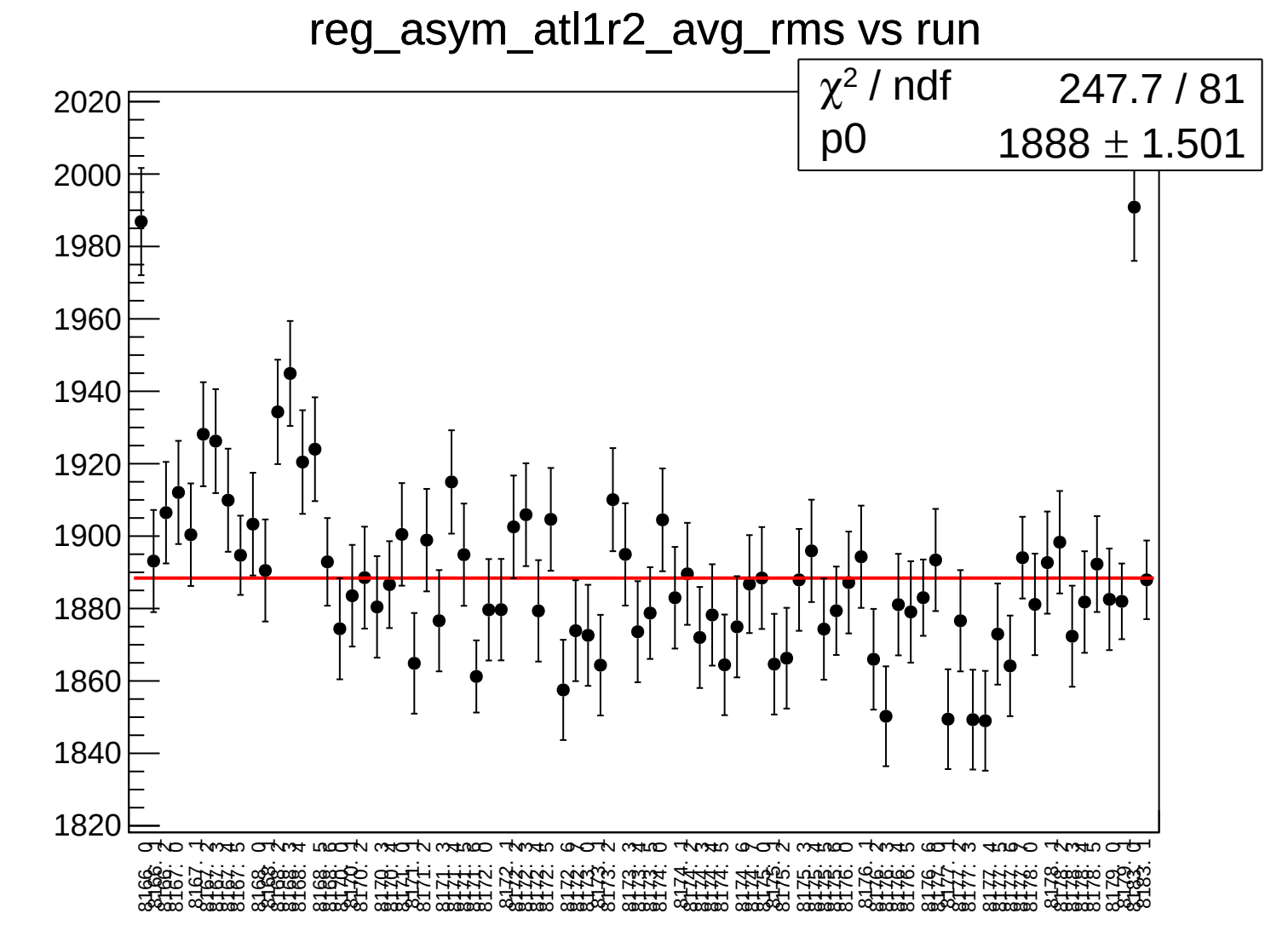

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.705e+04 / 81
p0 70.29 ± 0.05766
120
100
80
60
40

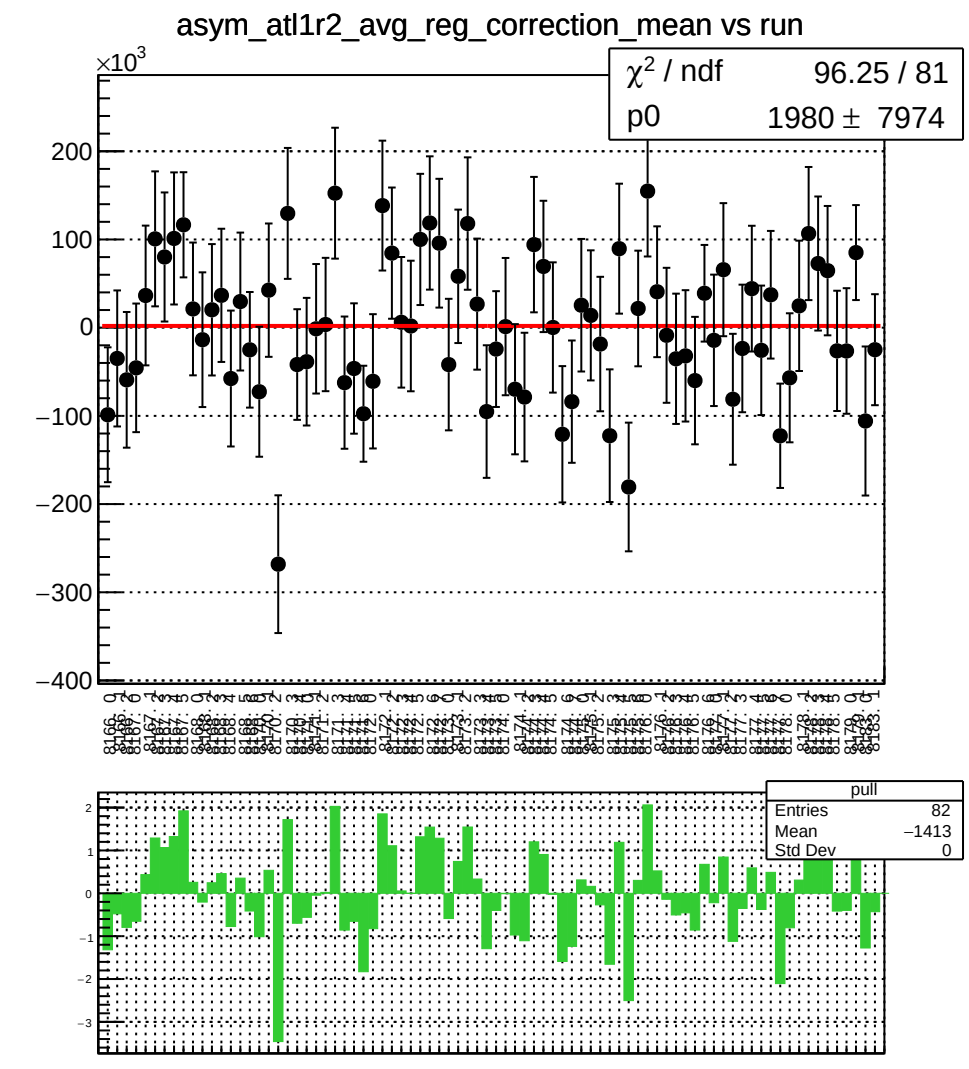

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.87 / 81
p0 −1.392e−13 ± 1.28e−13
pull
Entries 82
Mean −89.75
Std Dev 0
pull1D
Entries 82
Mean 0.03626
Std Dev 1.052

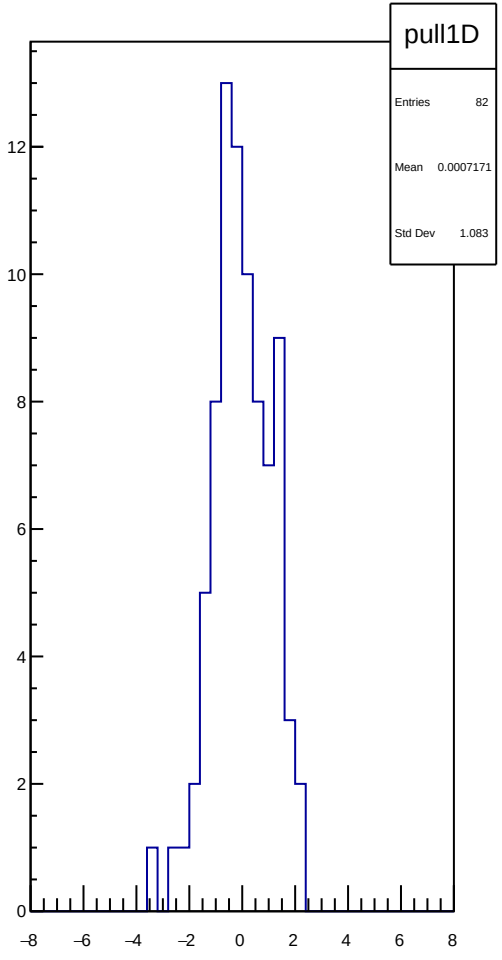

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.661e+05 / 81
p0 9.568e−11 ± 9.053e−14
0.5
0.4
0.3
0.2
0.1

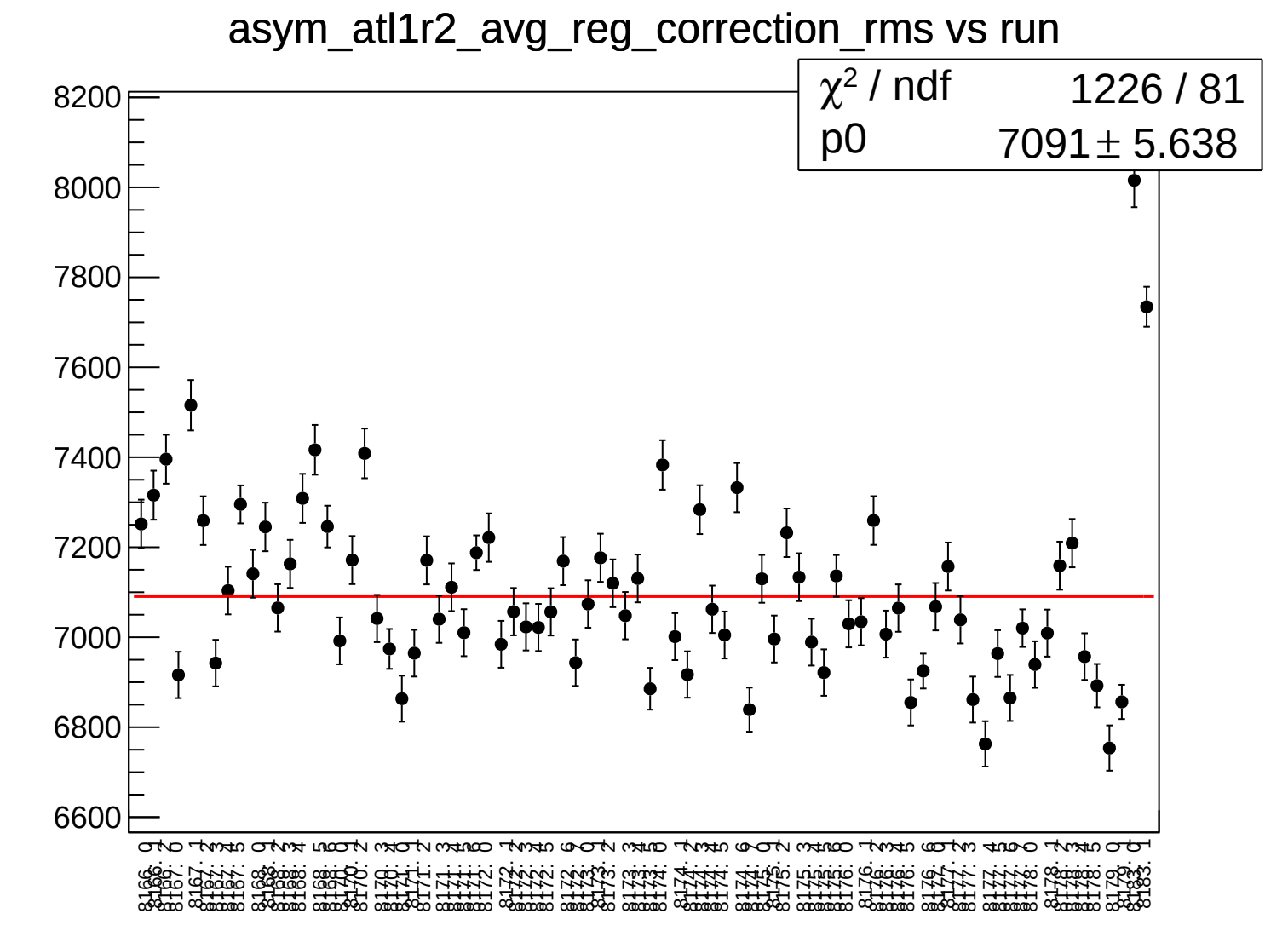

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 71.32 / 81
p0 123.4 ± 2123
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −75.19
Std Dev 0
2
1
0
−1
−2

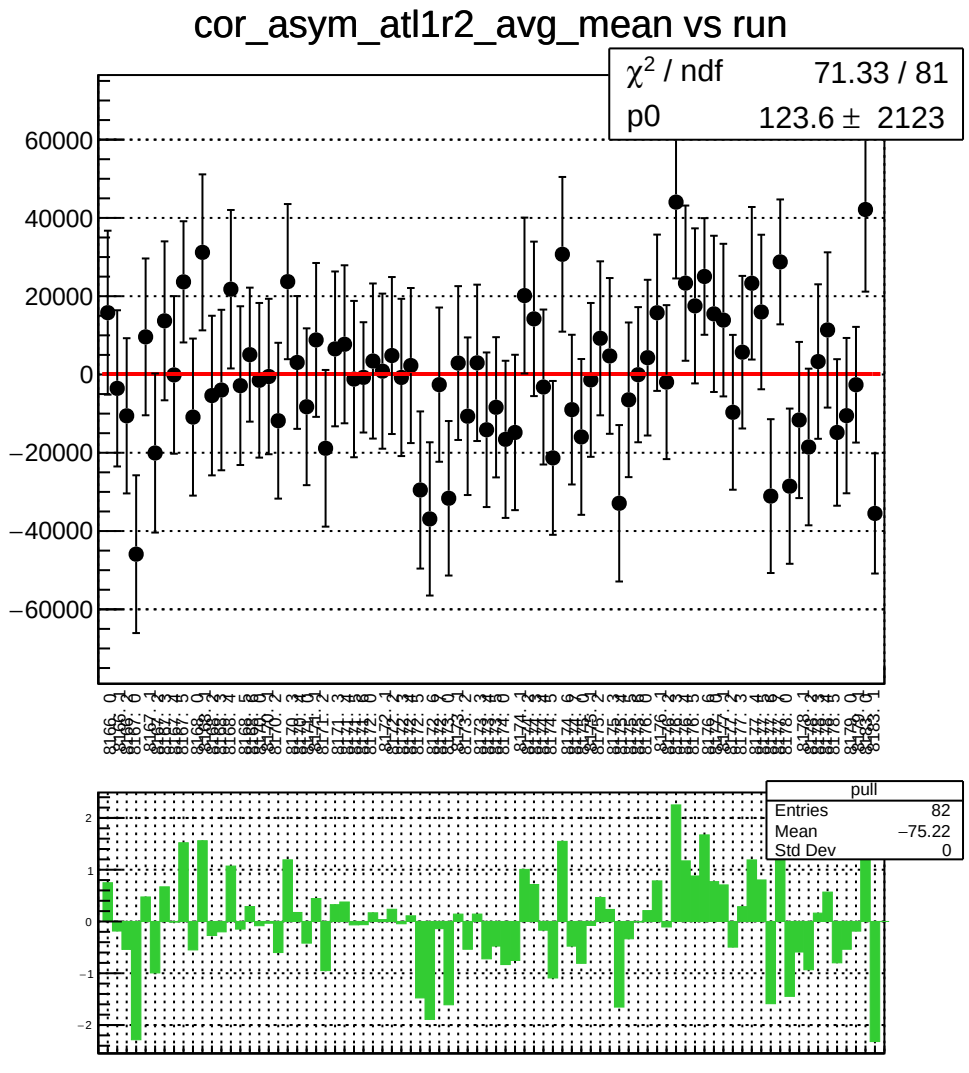

pull1D
Entries 82
Mean −0.007158
Std Dev 0.9326
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

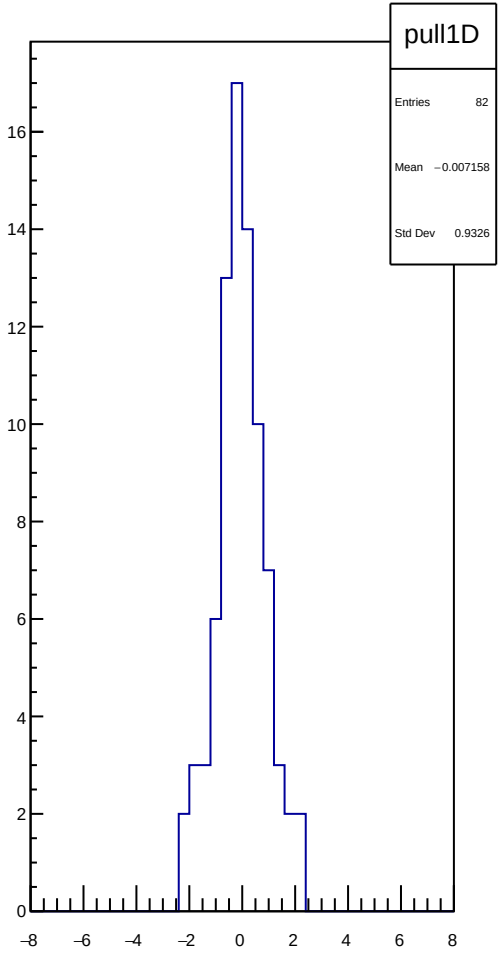

reg_asym_atl1r2_avg_rms vs run
χ^2 / ndf 247.7 / 81
p0 1888 ± 1.501
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

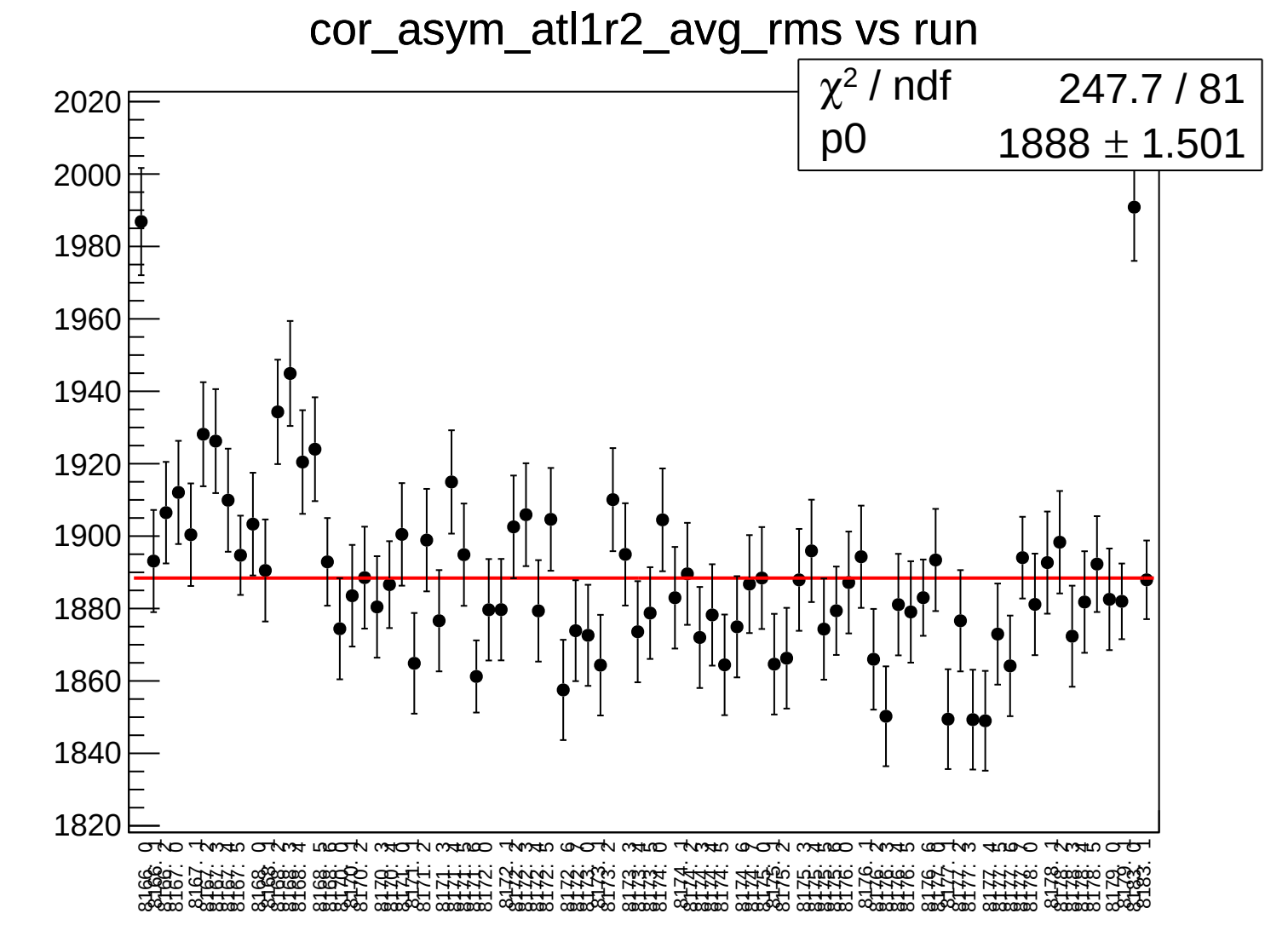

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 96.25 / 81
p0 1980 ± 7974
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean −1413
Std Dev 0
2
1
0
−1
−2
−3

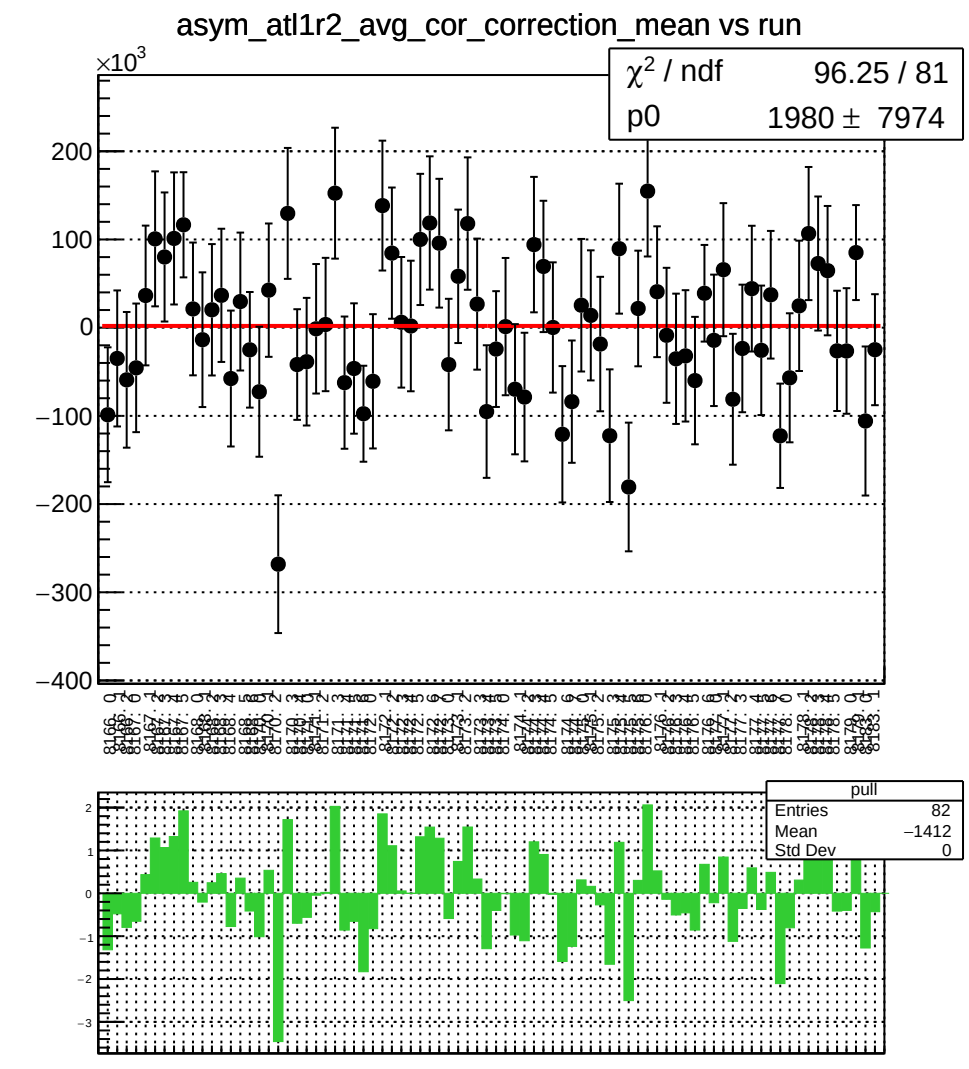

pull1D
Entries 82
Mean 0.0007171
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

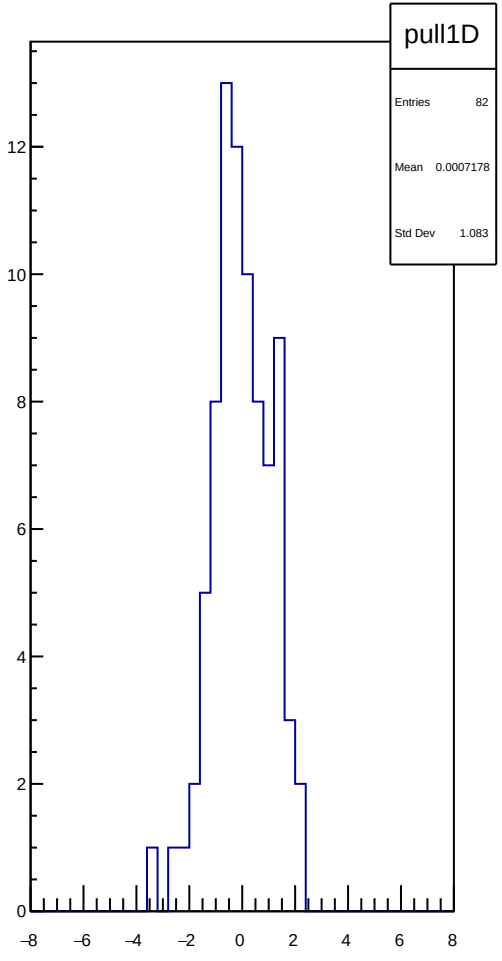

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 1226 / 81
p0 7091 ± 5.638
8200
8000
7800
7600
7400
7200
7000
6800
6600

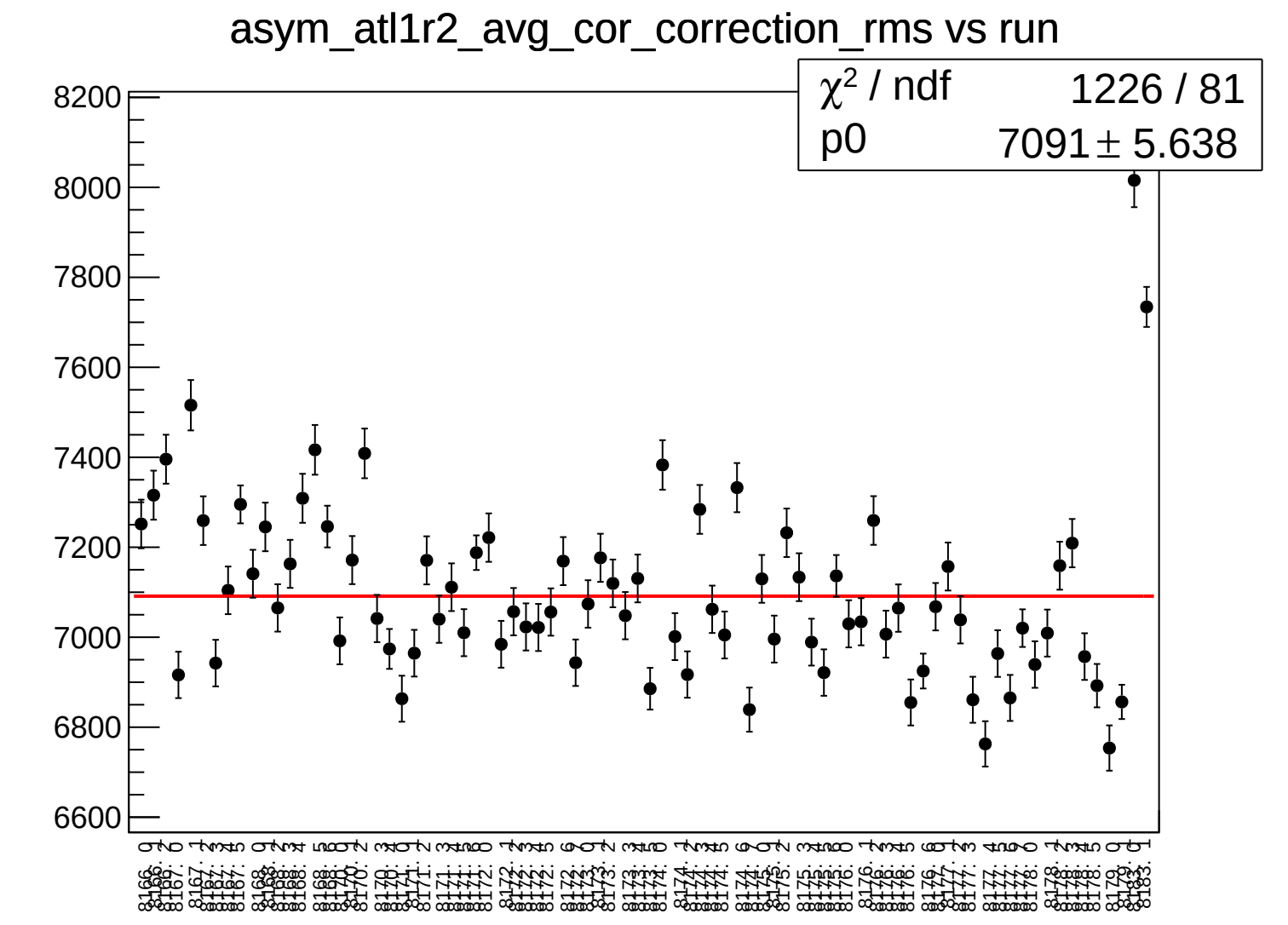

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 71.33 / 81
p0 123.6 ± 2123
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −75.22
Std Dev 0
2
1
0
−1
−2

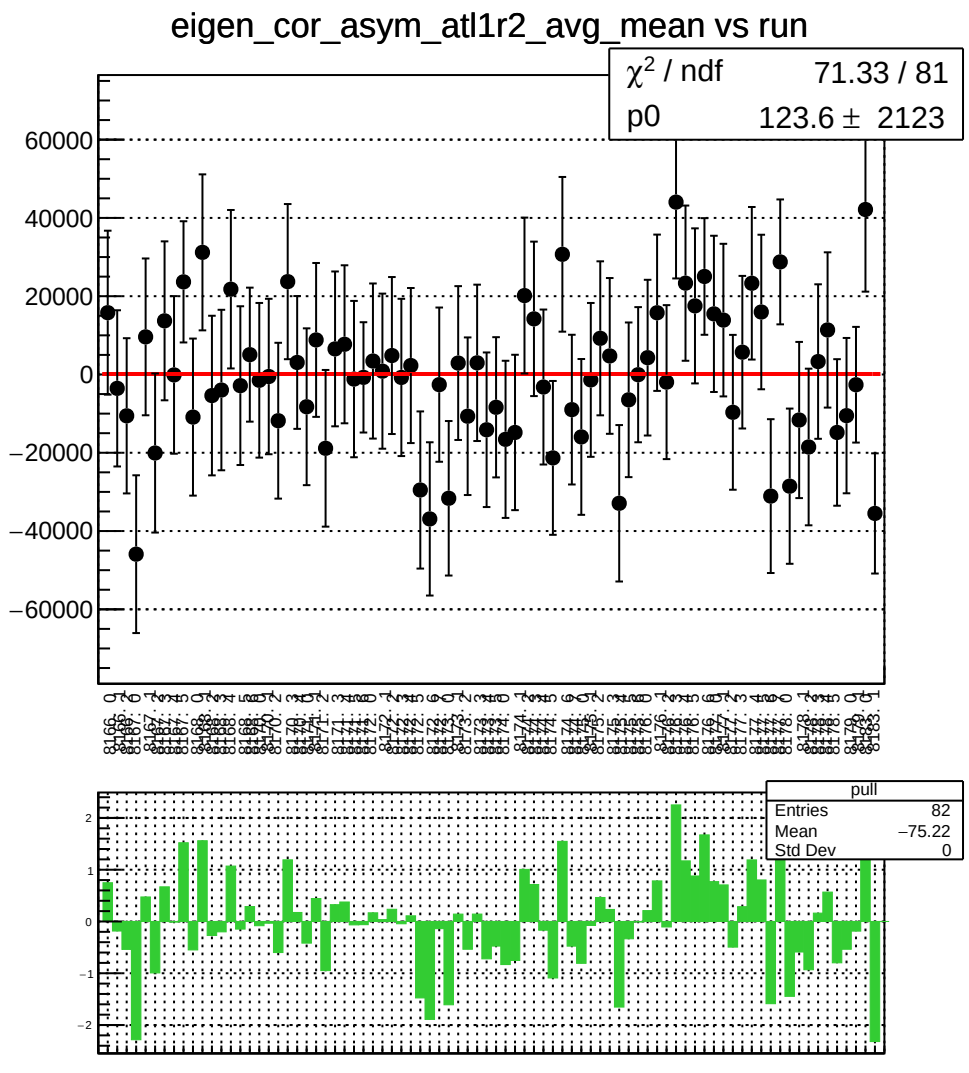

pull1D
Entries 82
Mean −0.007158
Std Dev 0.9326
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

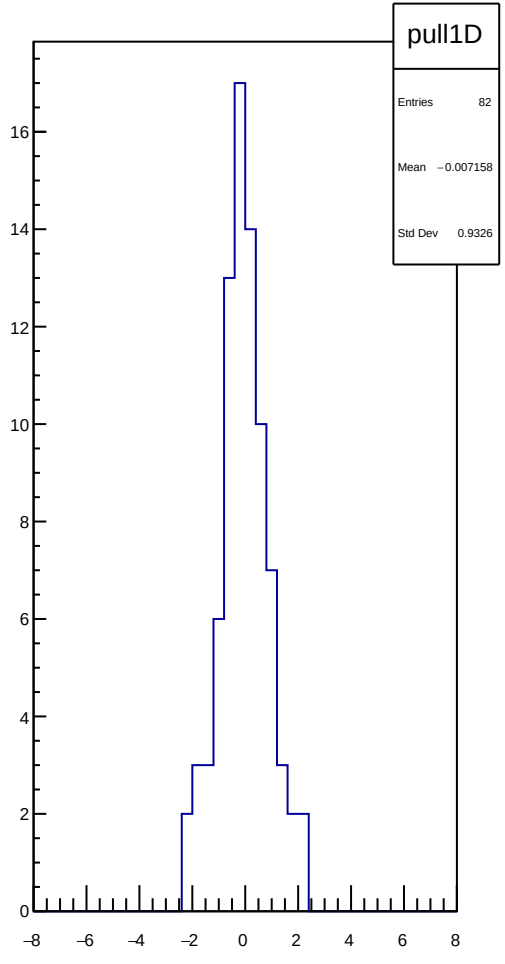

cor_asym_atl1r2_avg_rms vs run
χ^2 / ndf 247.7 / 81
p0 1888 ± 1.501
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

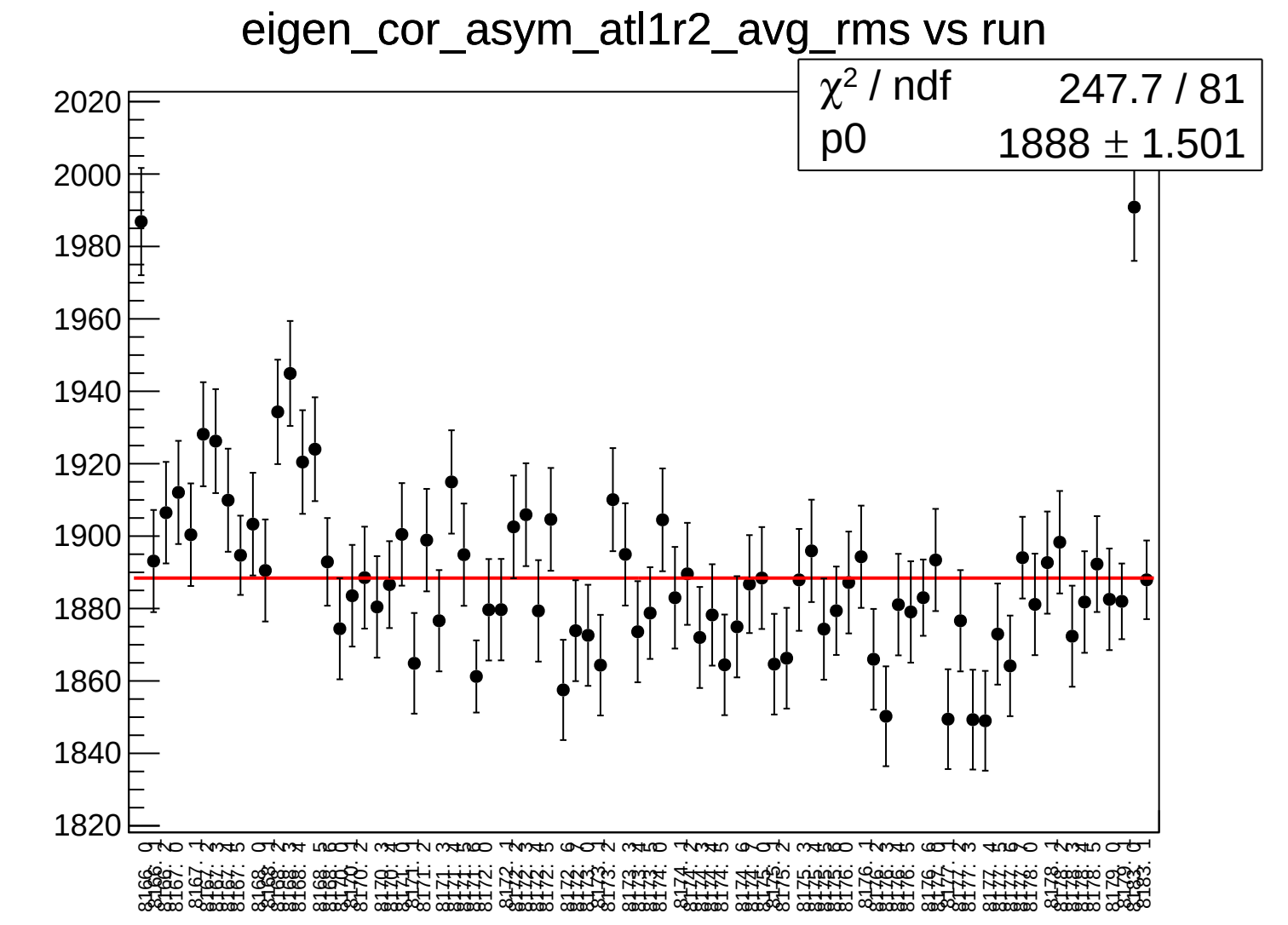

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 96.25 / 81
p0 1980 ± 7974
pull
Entries 82
Mean −1412
Std Dev 0

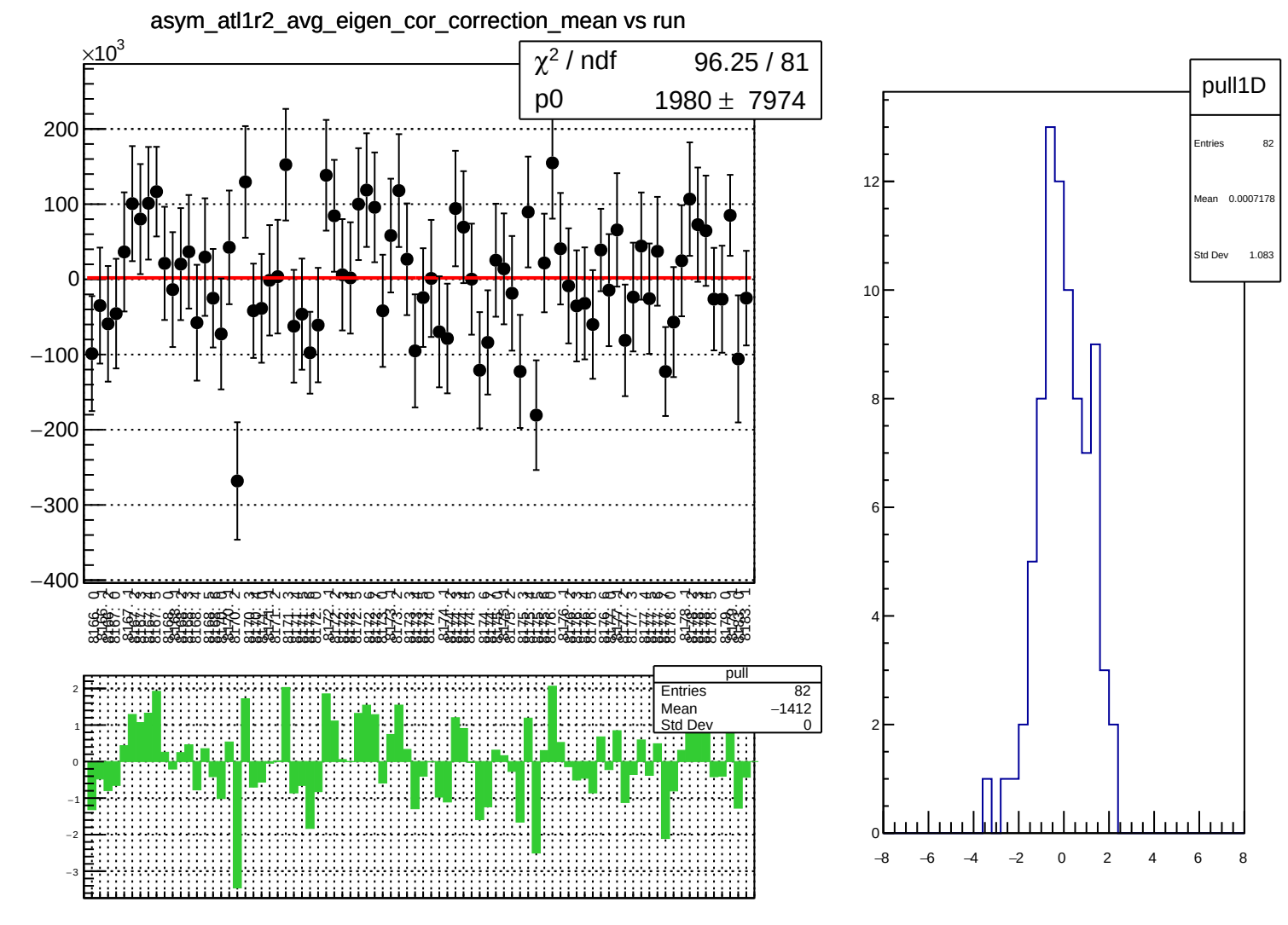

pull1D
Entries 82
Mean 0.0007178
Std Dev 1.083

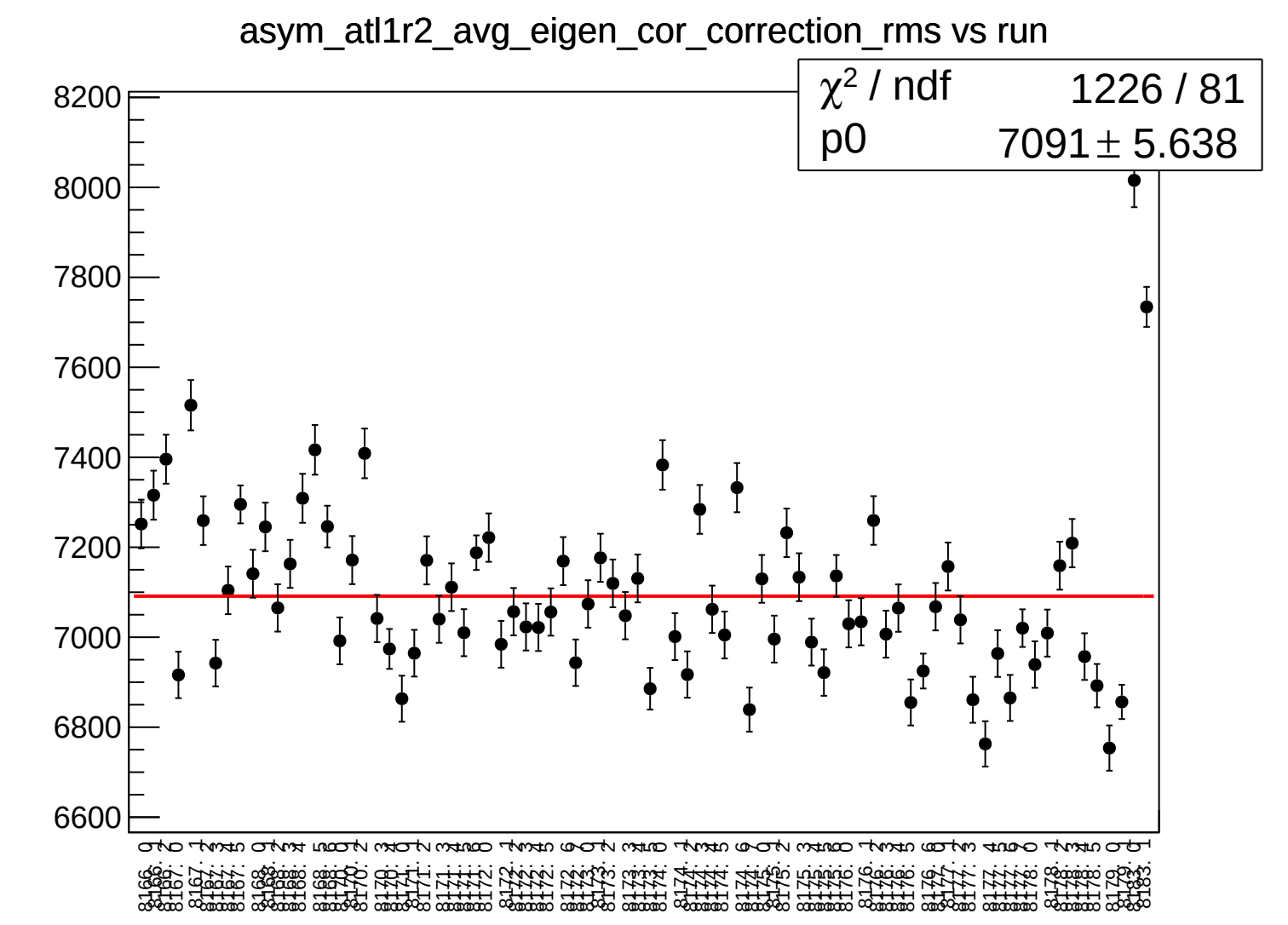

asym_atl1r2_avg_cor_correction_rms vs run
χ^2 / ndf 1226 / 81
p0 7091 ± 5.638
8200
8000
7800
7600
7400
7200
7000
6800
6600

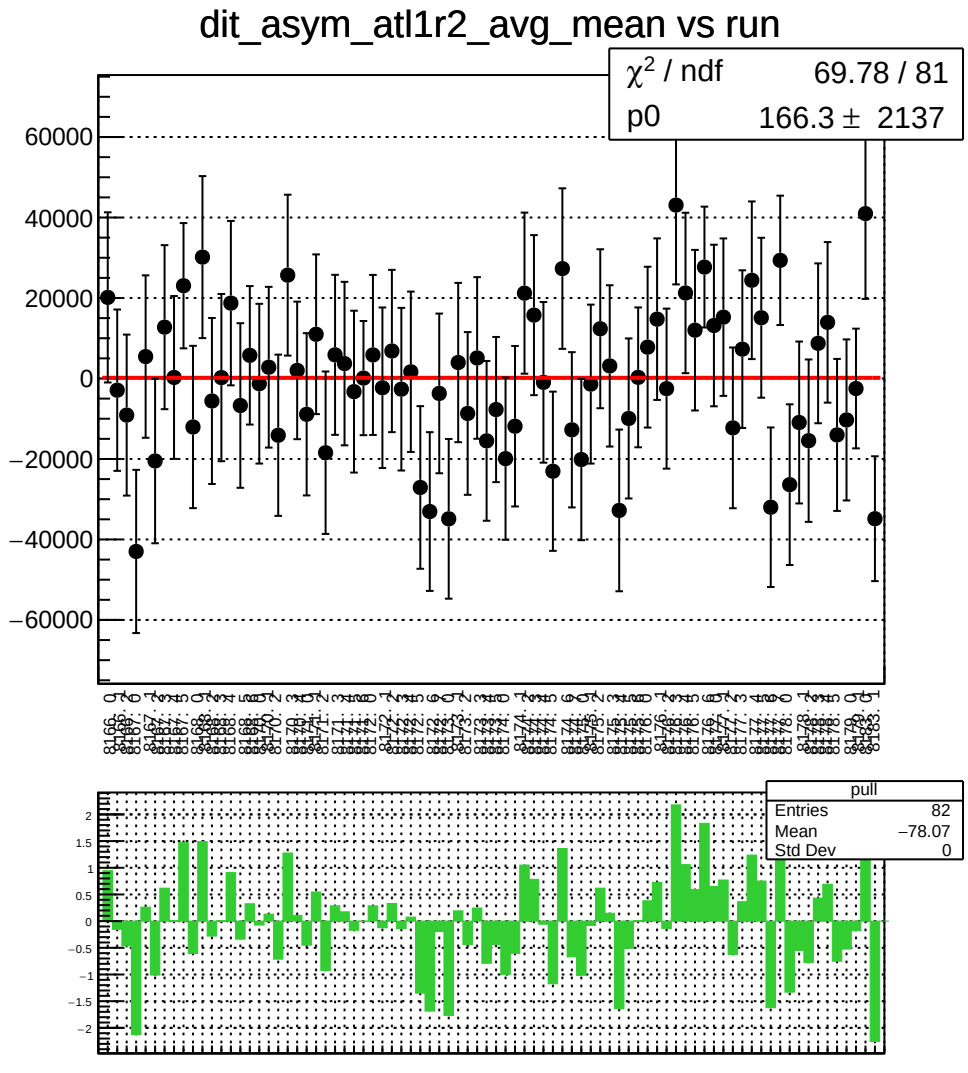

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 71.33 / 81
p0 123.6 ± 2123
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −75.22
Std Dev 0
2
1
0
−1
−2

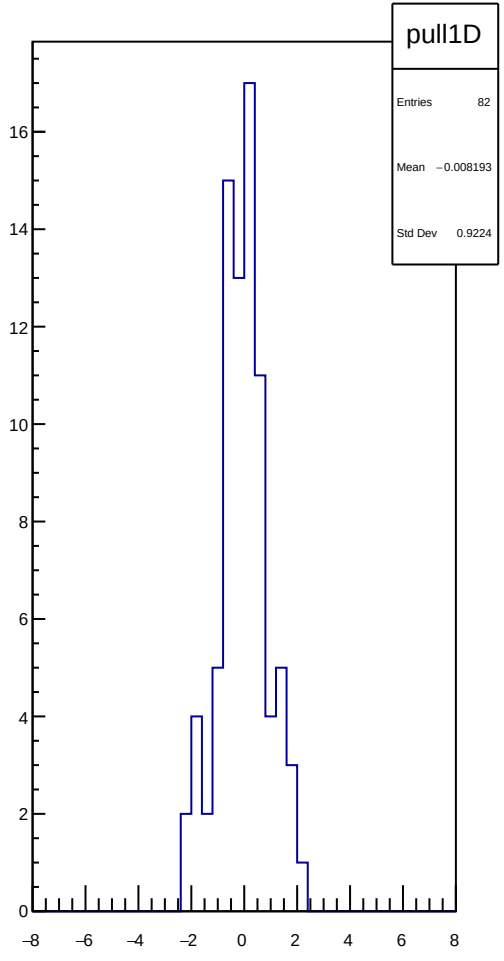

pull1D
Entries 82
Mean −0.007158
Std Dev 0.9326
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

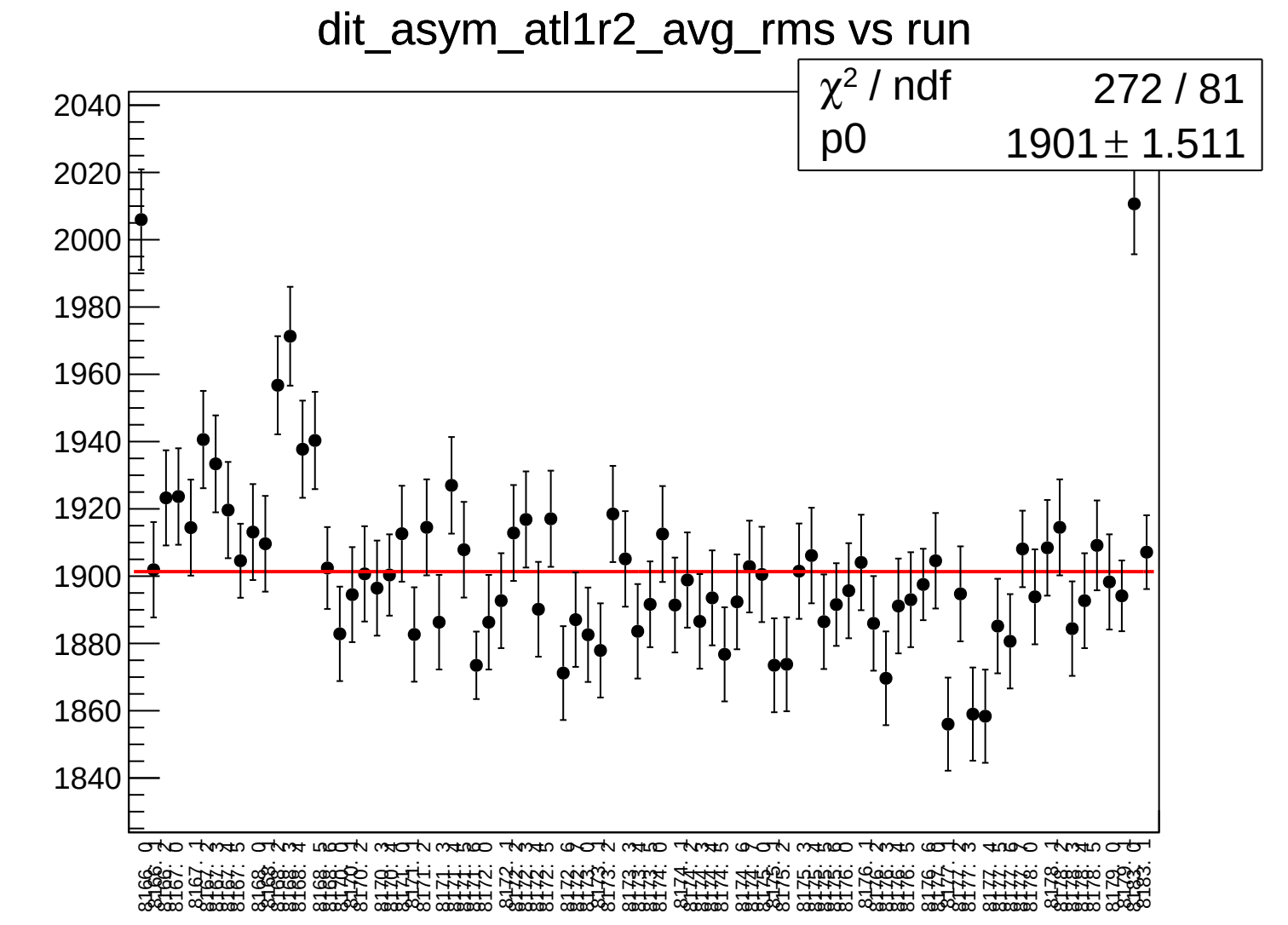

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 247.7 / 81
p0 1888 ± 1.501
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

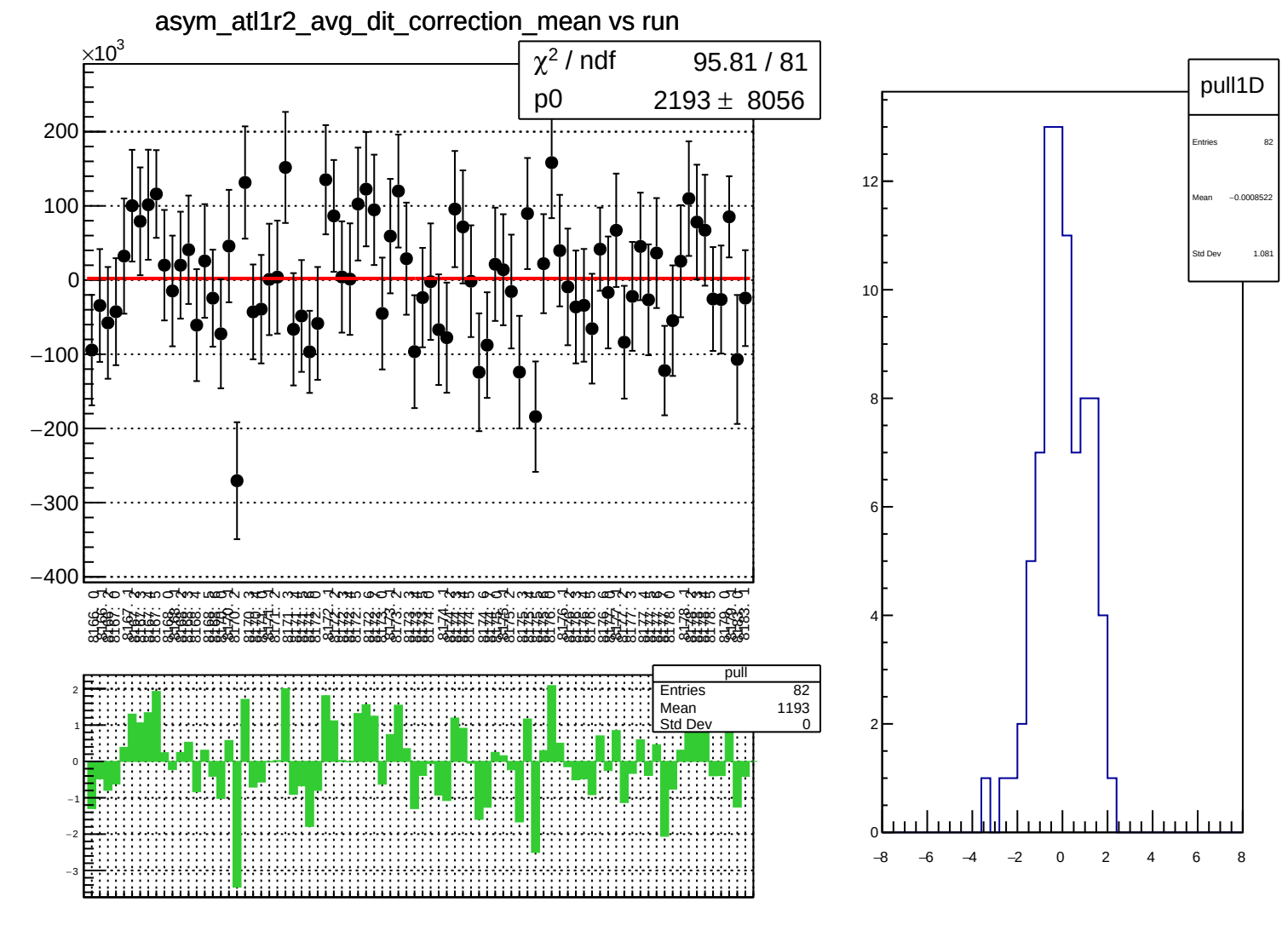

asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 96.25 / 81
p0 1980 ± 7974
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean −1412
Std Dev 0
pull1D
Entries 82
Mean 0.0007178
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

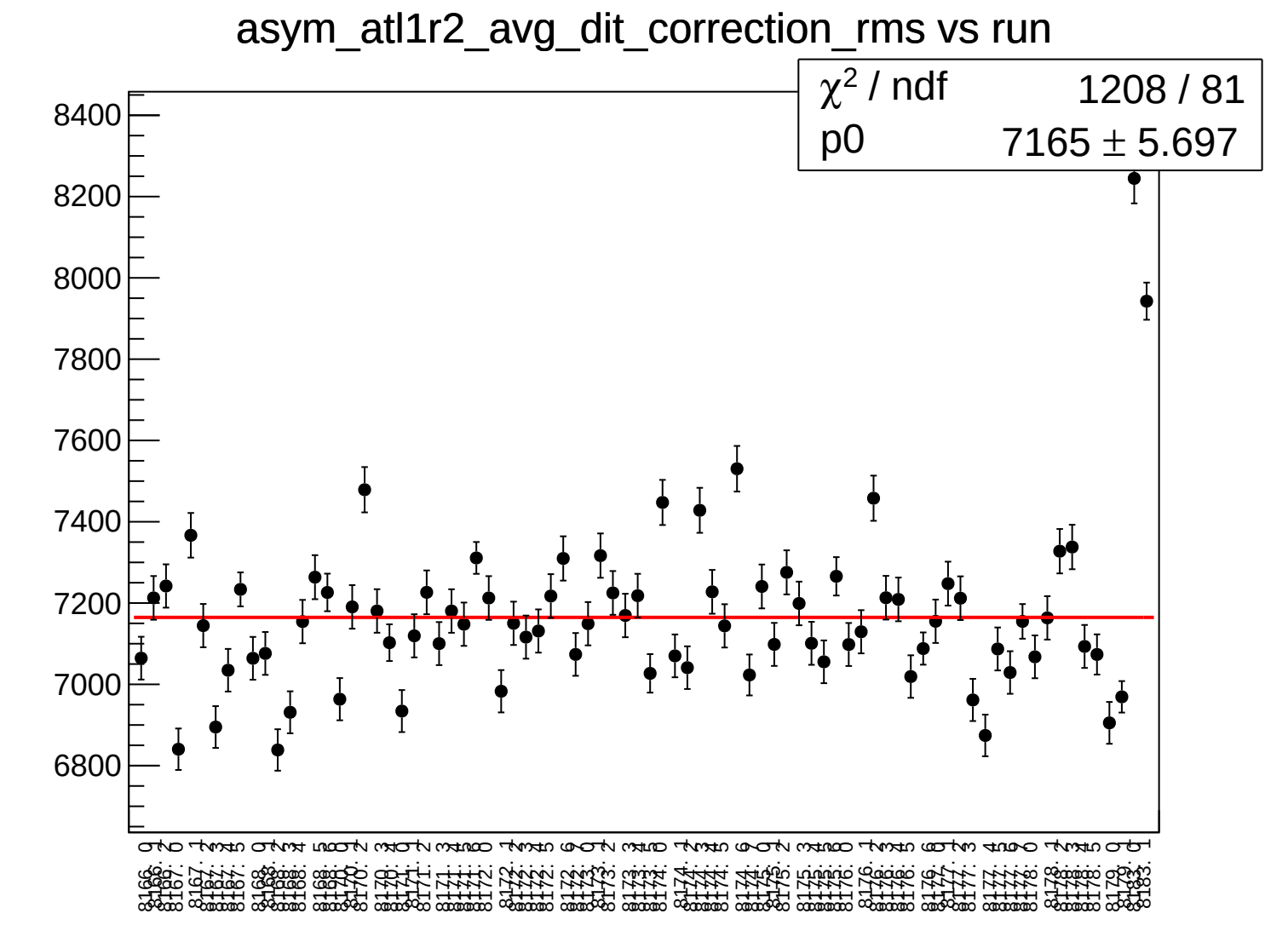

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 1226 / 81
p0 7091 ± 5.638
8200
8000
7800
7600
7400
7200
7000
6800
6600

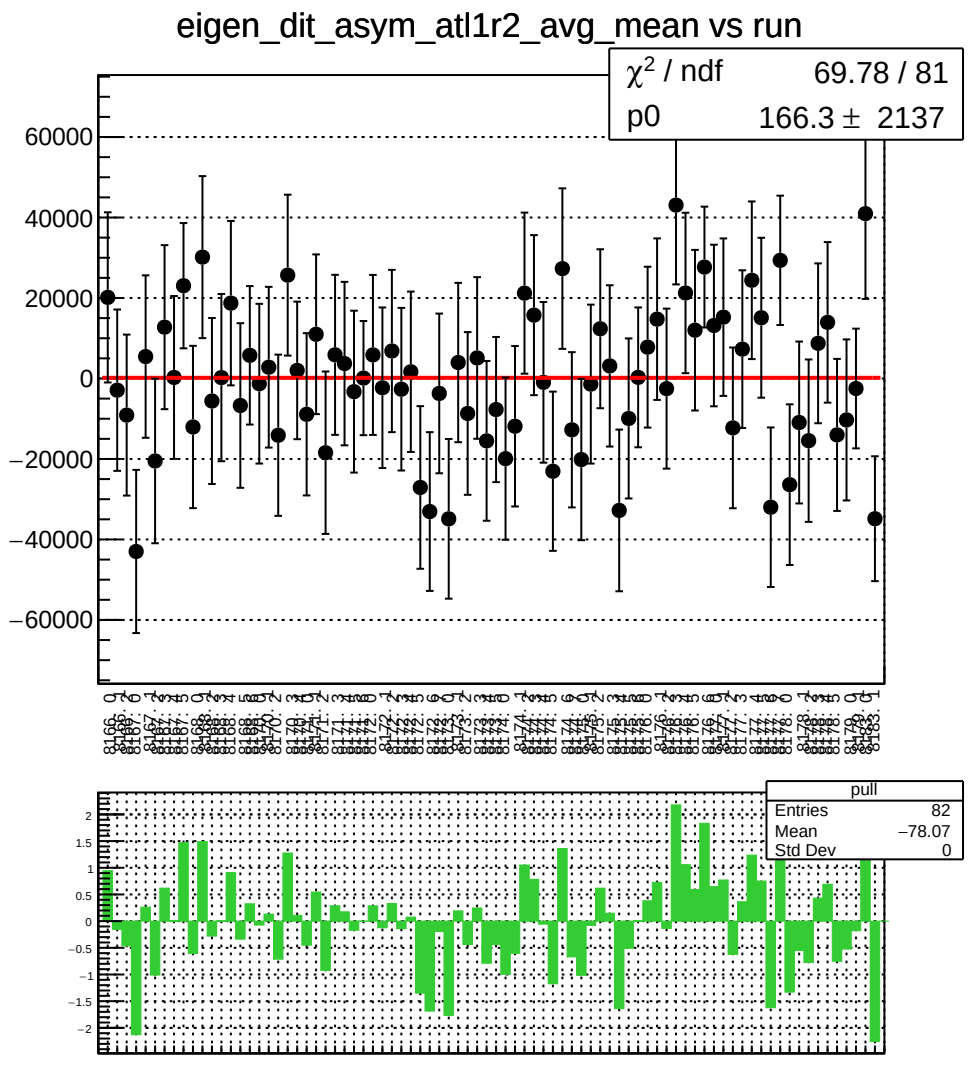

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 69.78 / 81
p0 166.3 ± 2137
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −78.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

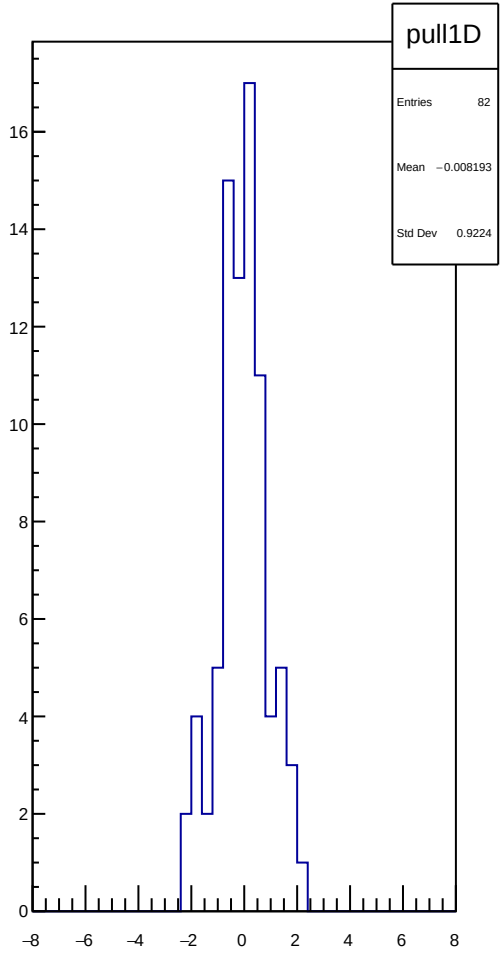

pull1D
Entries 82
Mean −0.008193
Std Dev 0.9224
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

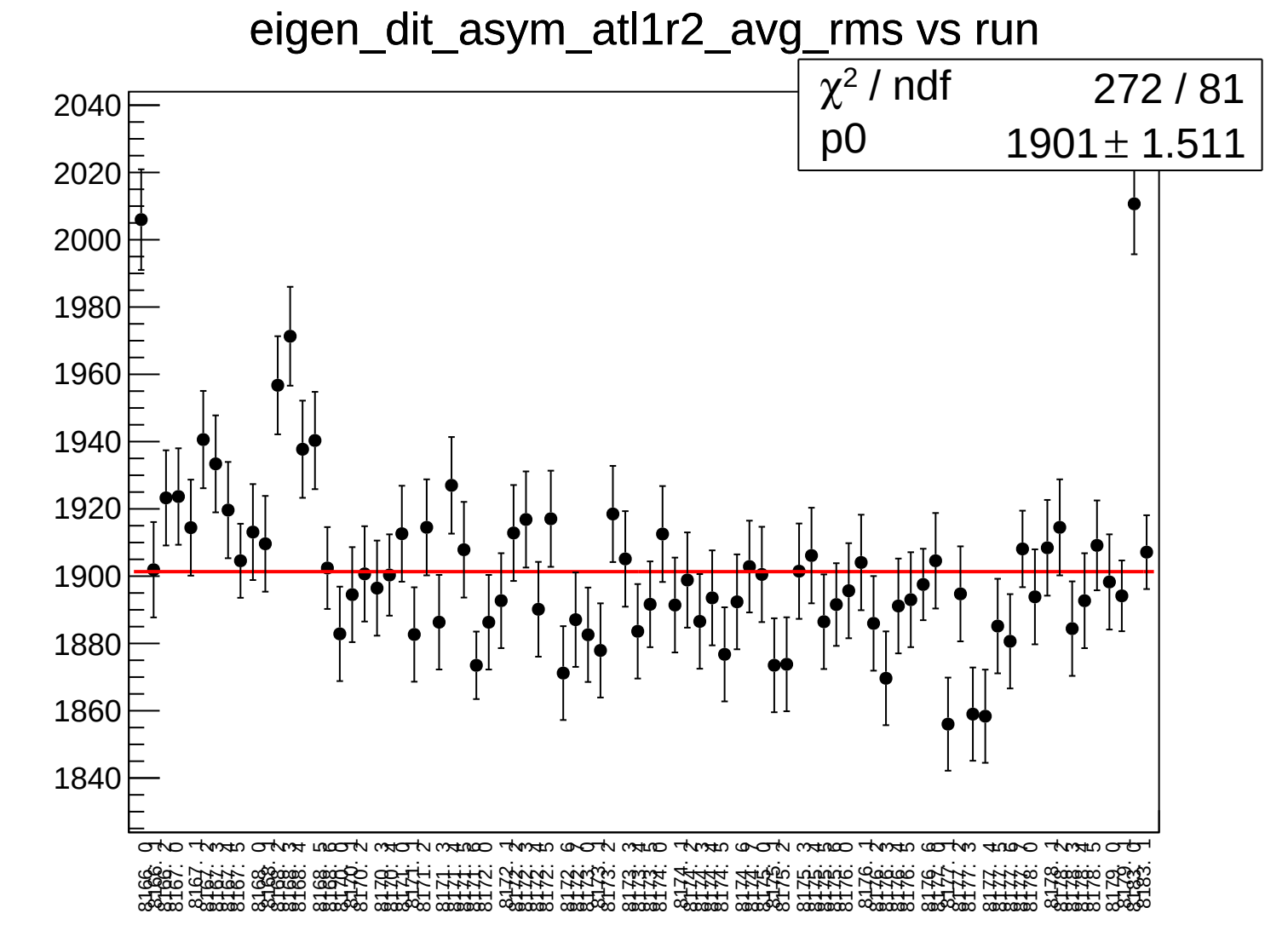

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 272 / 81
p0 1901 ± 1.511
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

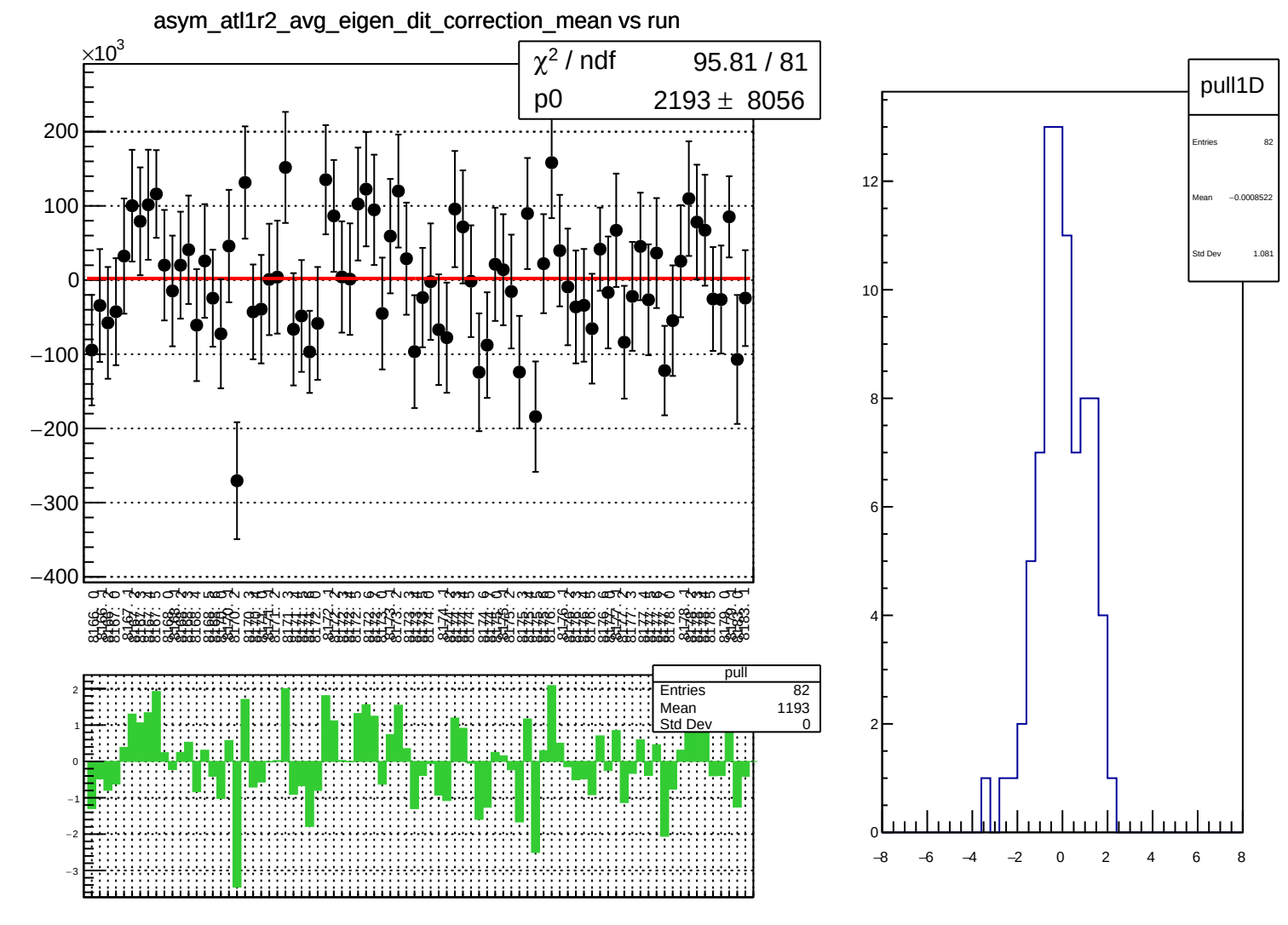

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 95.81 / 81
p0 2193 ± 8056
×10³
pull
Entries 82
Mean 1193
Std Dev 0
pull1D
Entries 82
Mean −0.0008522
Std Dev 1.081

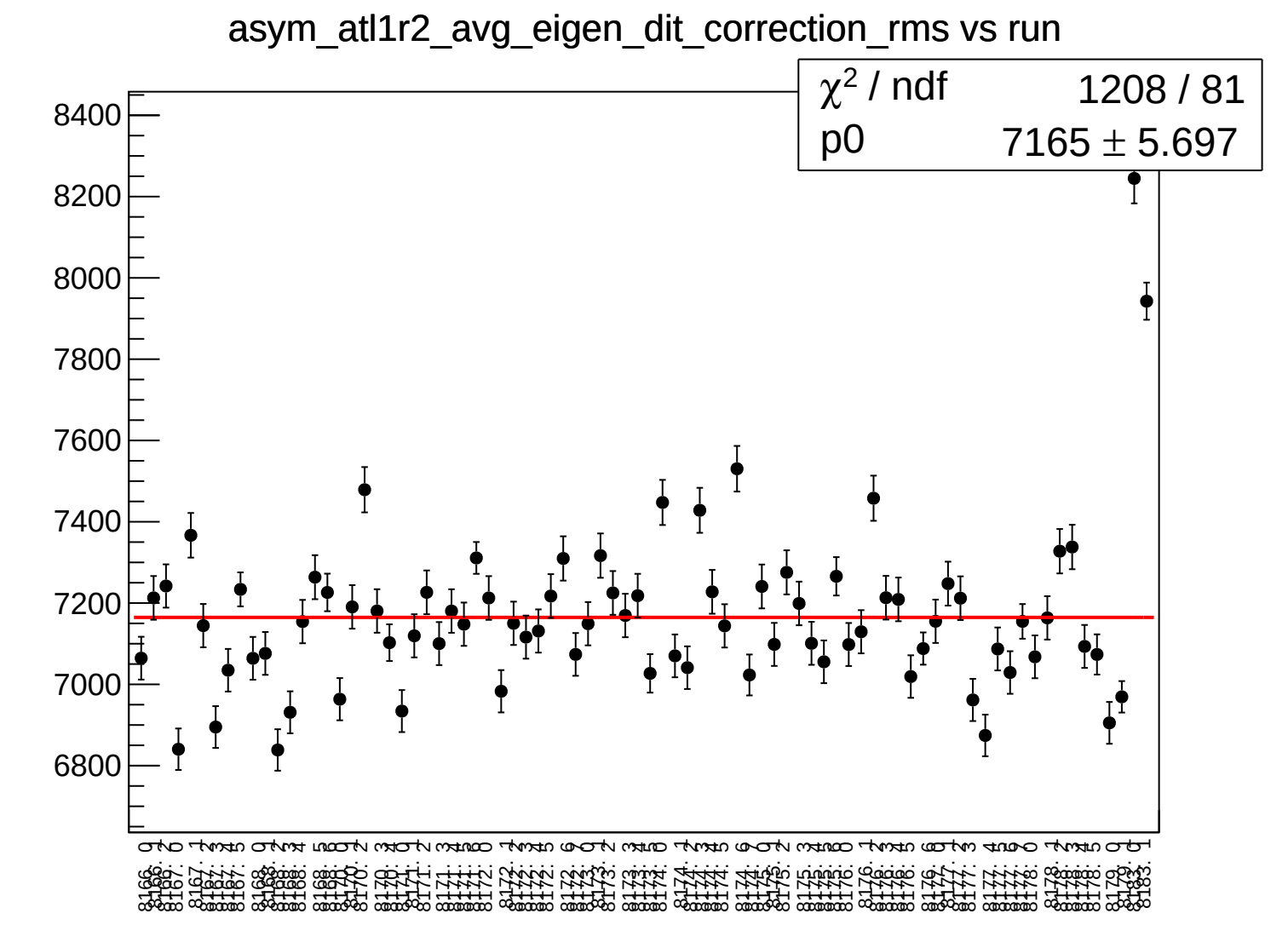

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 1208 / 81
p0 7165 ± 5.697
8400
8200
8000
7800
7600
7400
7200
7000
6800

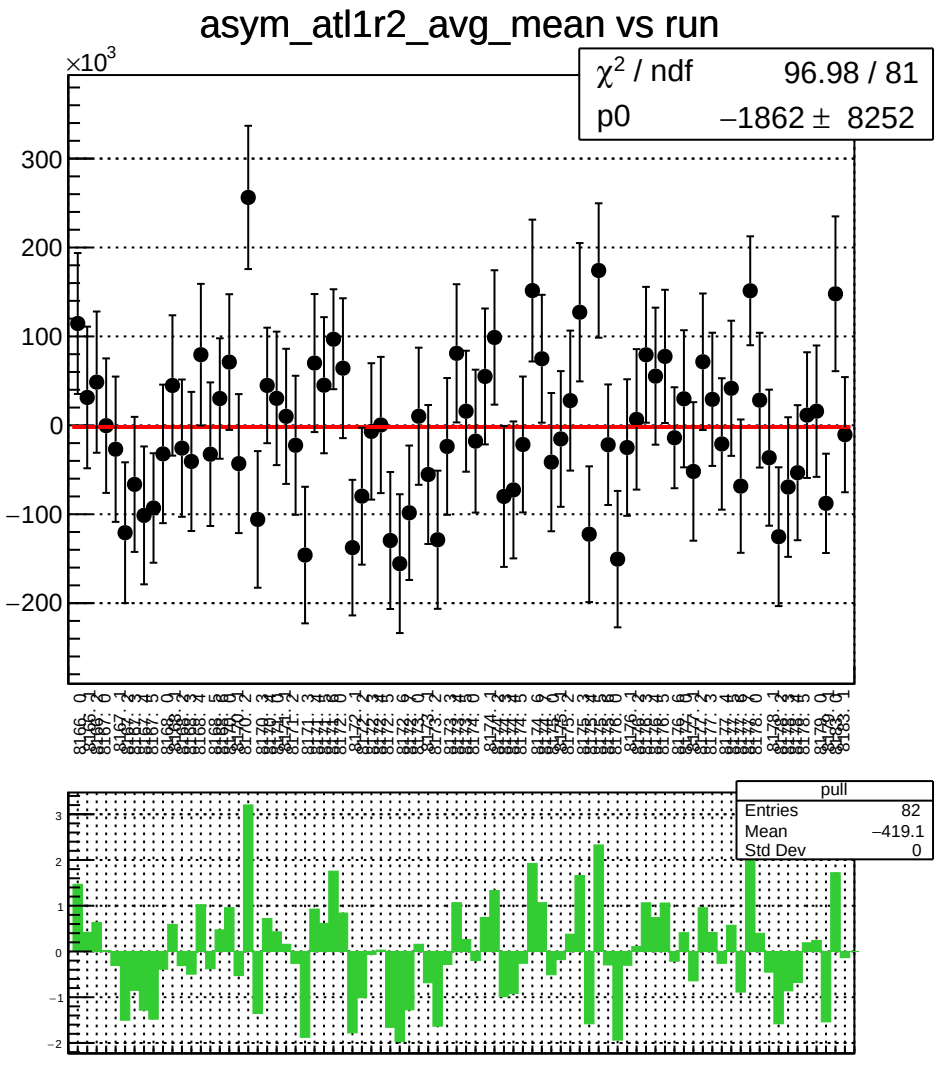

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 69.78 / 81
p0 166.3 ± 2137
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −78.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

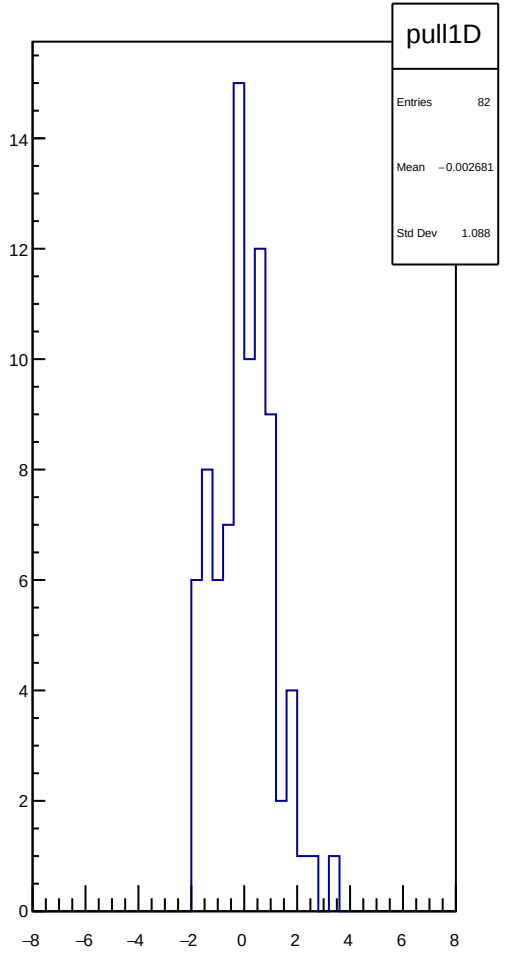

pull1D
Entries 82
Mean −0.008193
Std Dev 0.9224
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

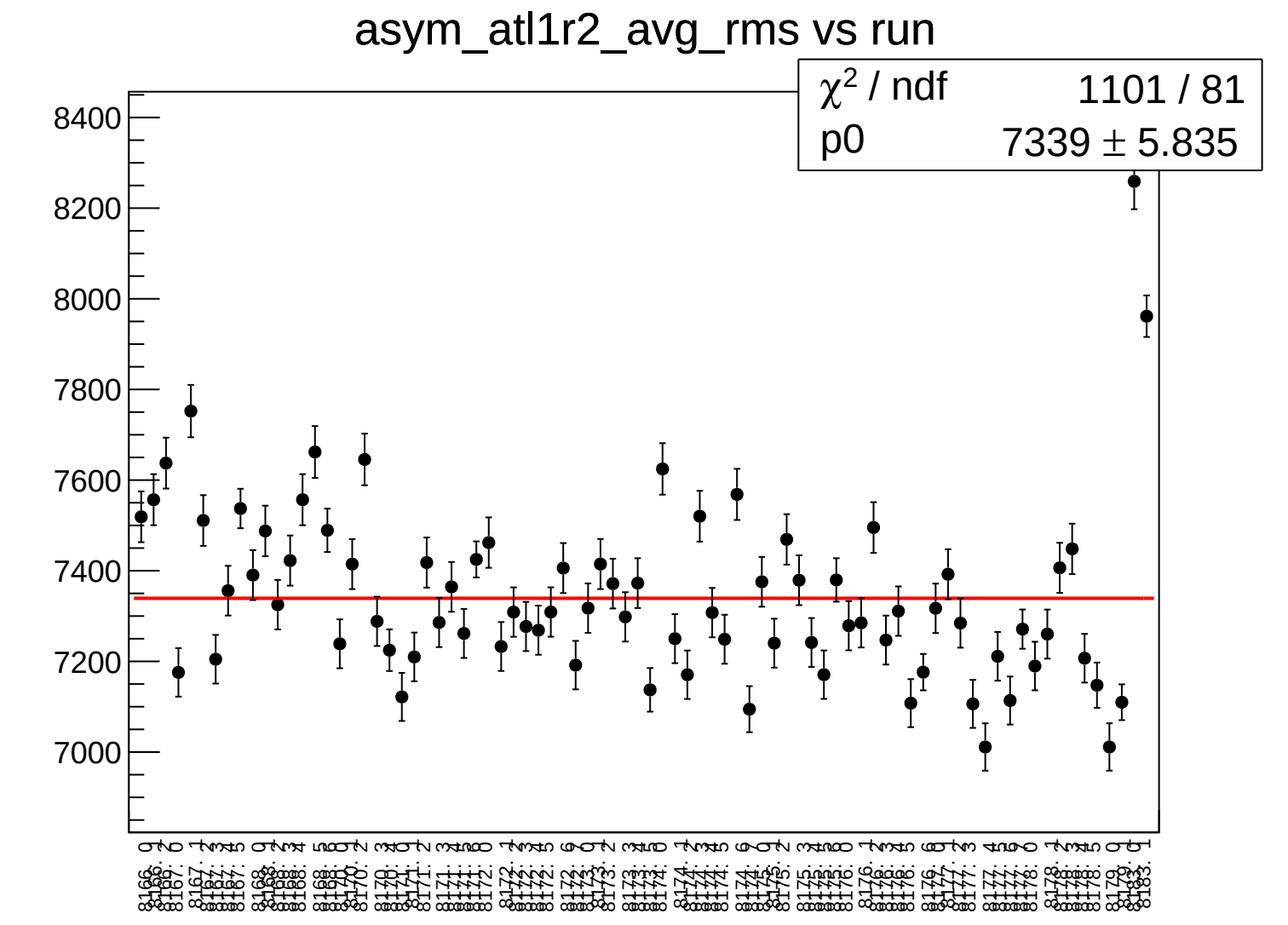

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 272 / 81
p0 1901 ± 1.511
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

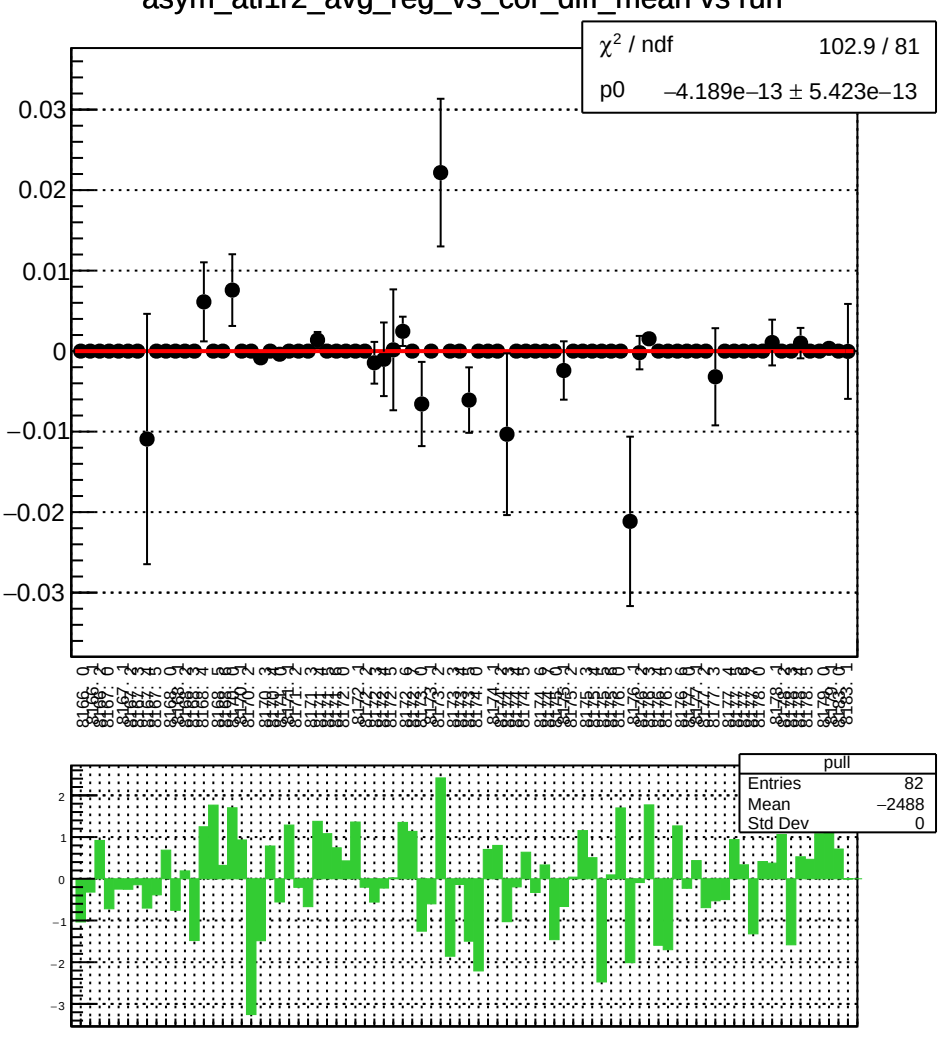

asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 95.81 / 81
p0 2193 ± 8056
200
100
0
−100
−200
−300
−400
pull
Entries 82
Mean 1193
Std Dev 0
pull1D
Entries 82
Mean −0.0008522
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

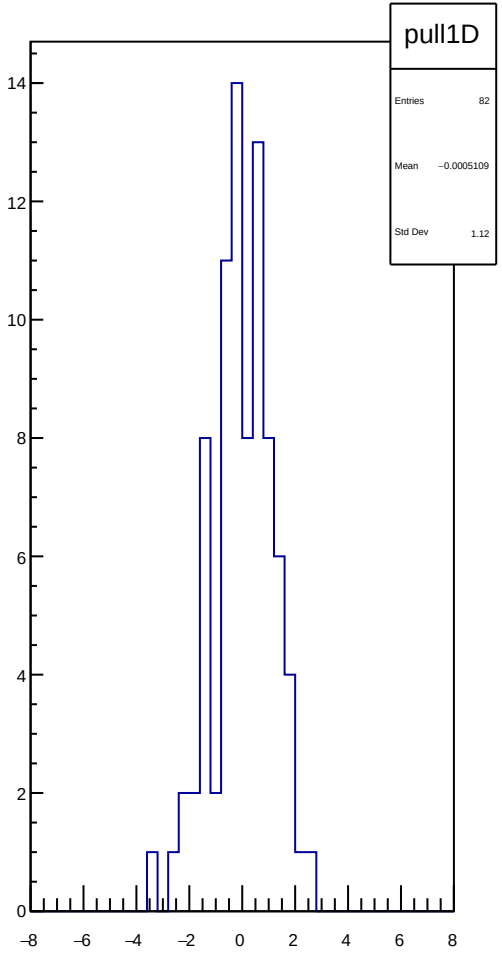

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1208 / 81
p0 7165 ± 5.697
8400
8200
8000
7800
7600
7400
7200
7000
6800

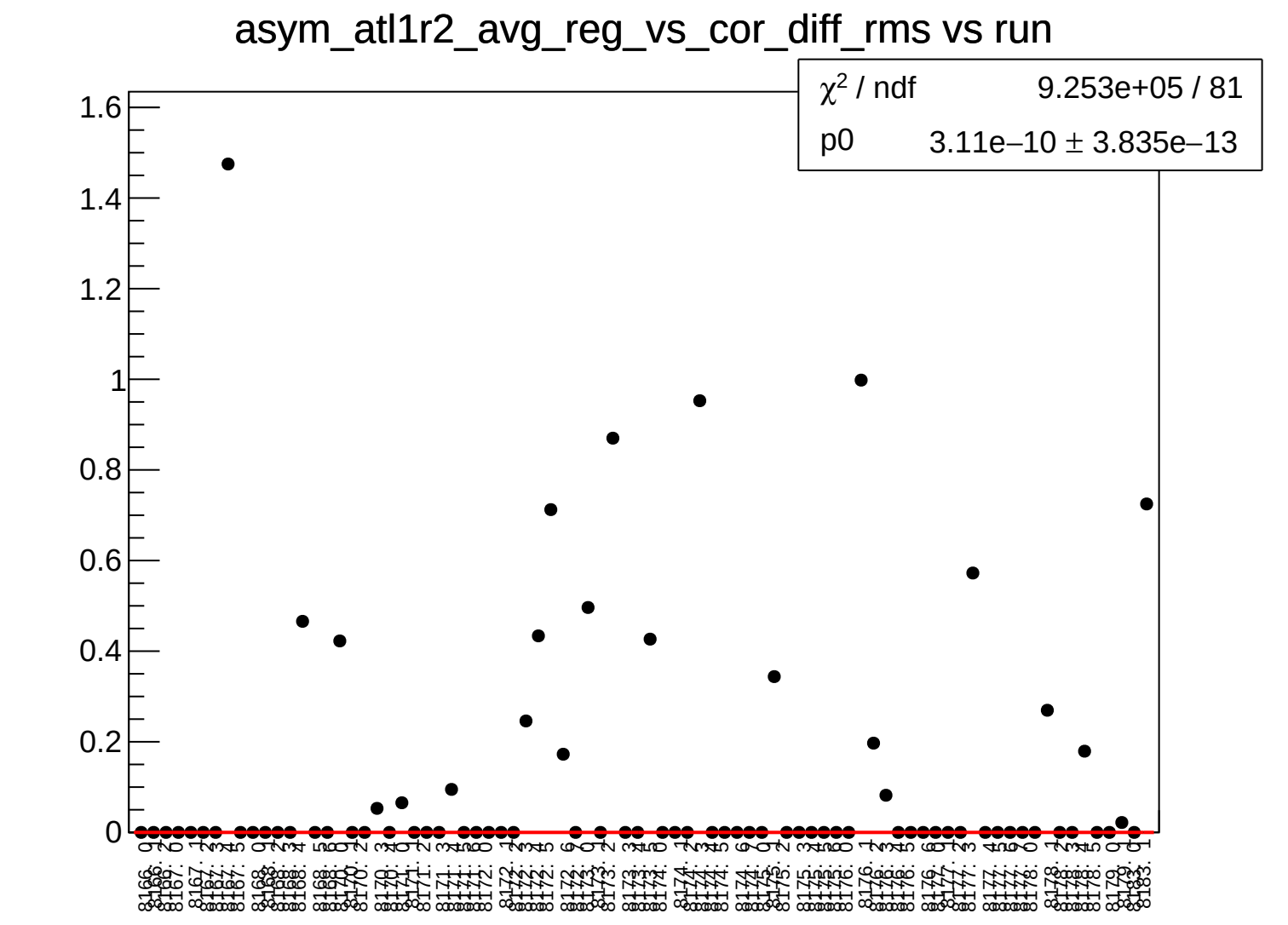

asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 96.98 / 81
p0 −1862 ± 8252
300
200
100
0
−100
−200
pull
Entries 82
Mean −419.1
Std Dev 0
3
2
1
0
−1
−2

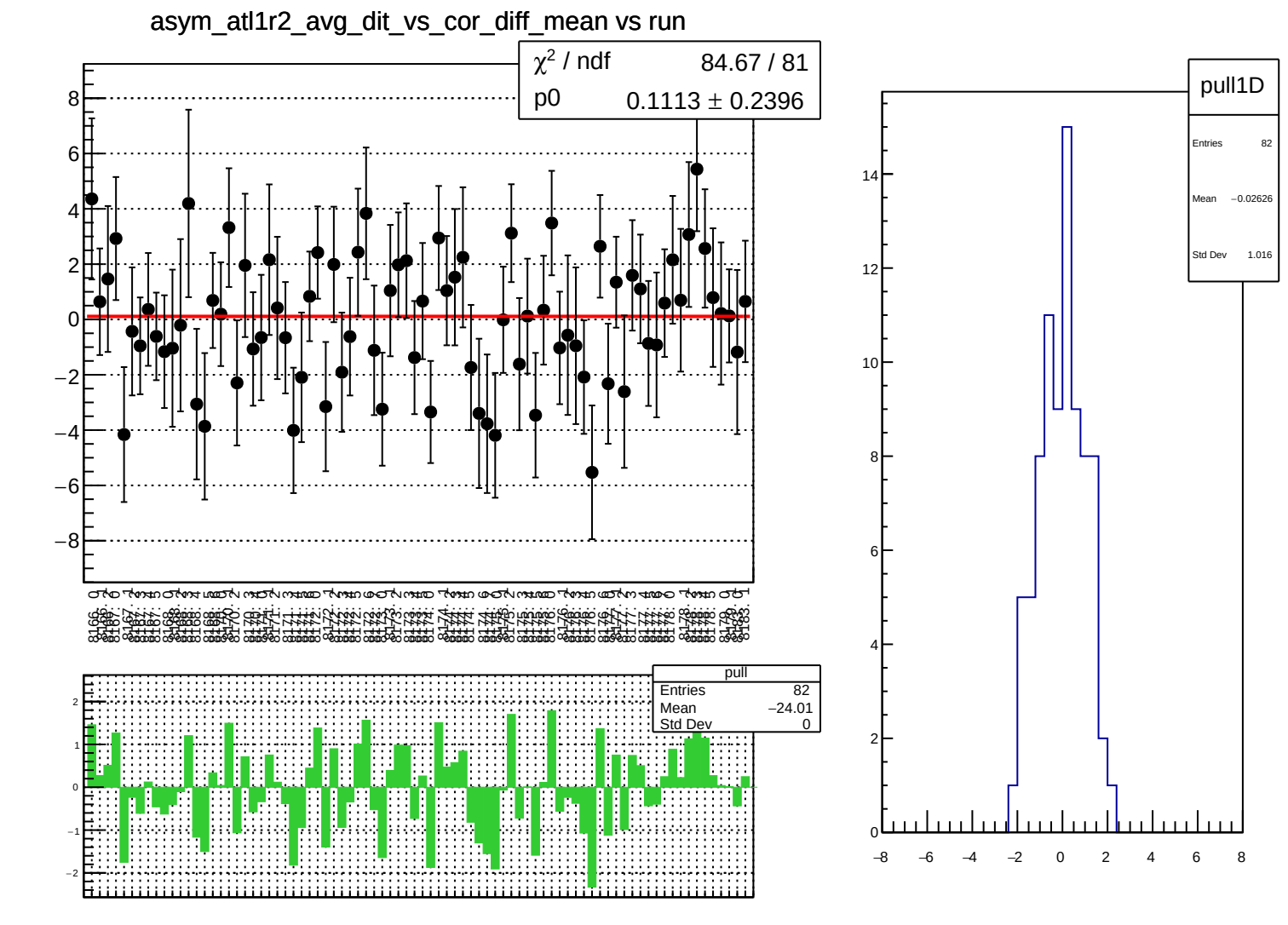

pull1D
Entries 82
Mean −0.002681
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

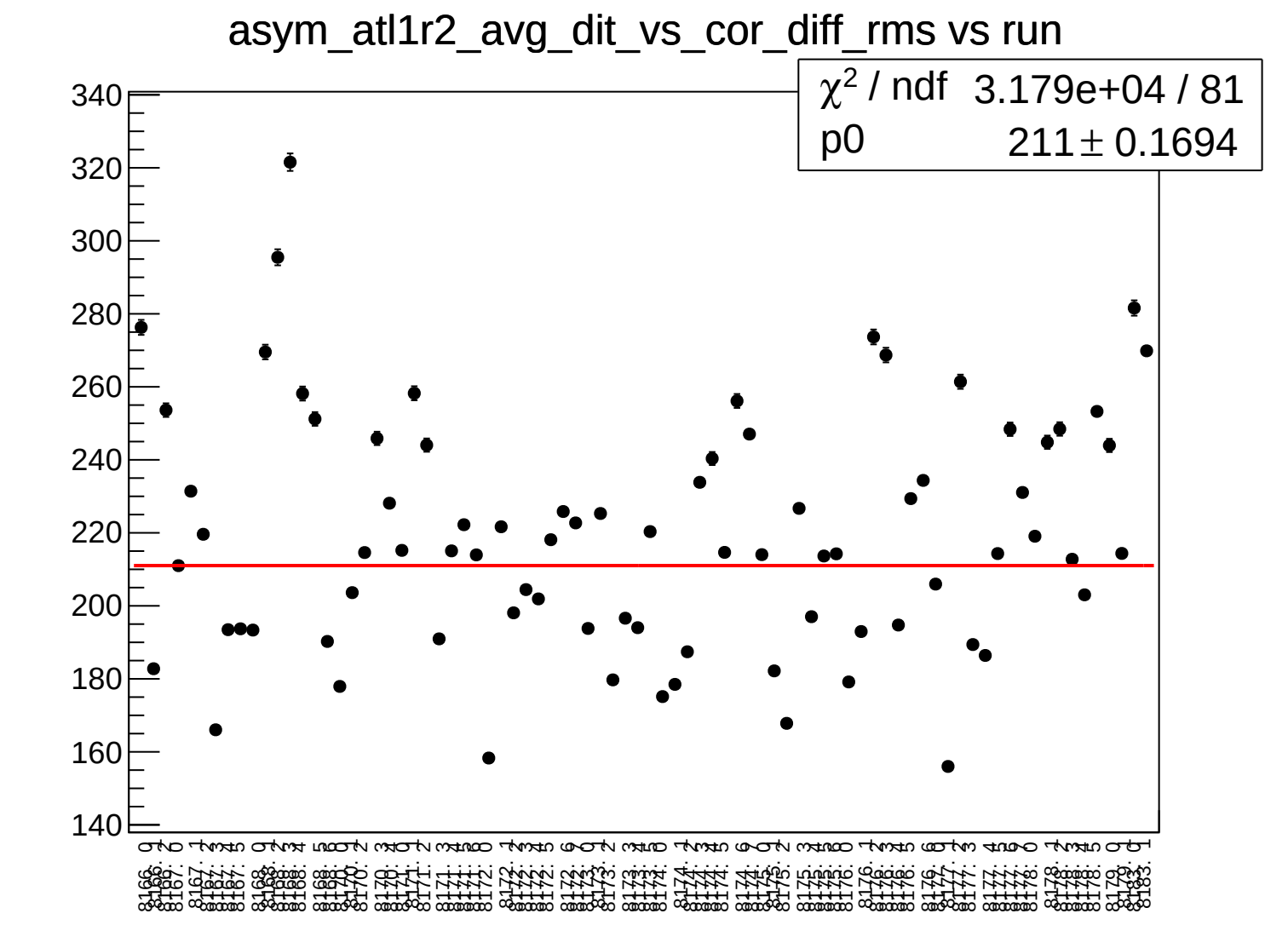

asym_atl1r2_avg_rms vs run
χ^2 / ndf 1101 / 81
p0 7339 ± 5.835
8400
8200
8000
7800
7600
7400
7200
7000


asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 102.9 / 81
p0 −4.189e−13 ± 5.423e−13
pull
Entries 82
Mean −2488
Std Dev 0

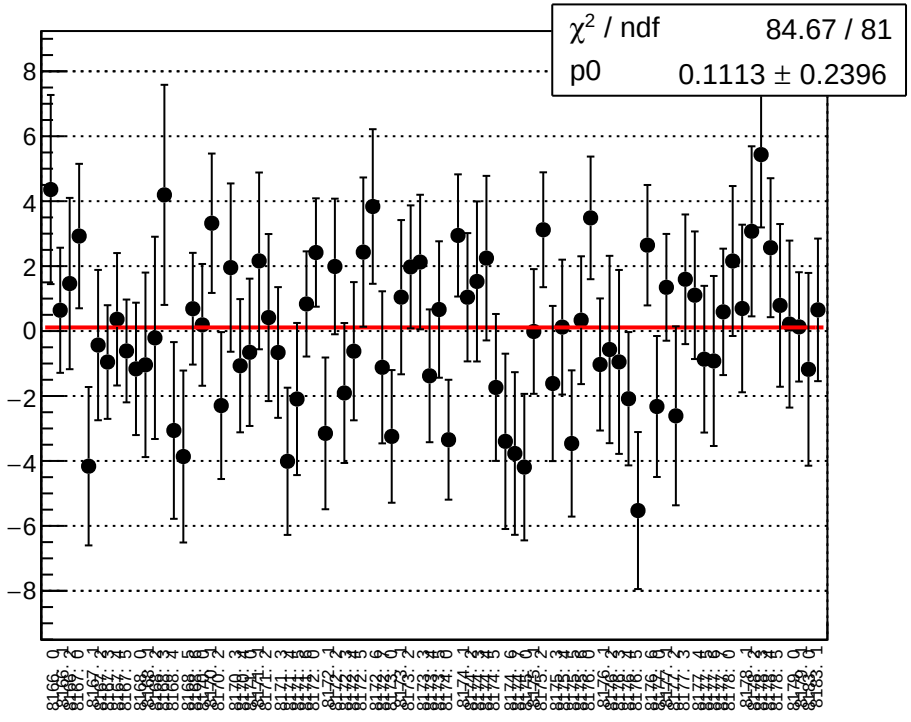

pull1D
Entries 82
Mean −0.0005109
Std Dev 1.12

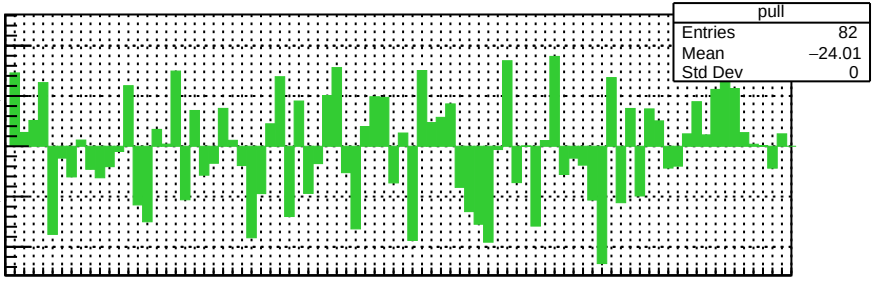

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.253e+05 / 81
p0 3.11e−10 ± 3.835e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

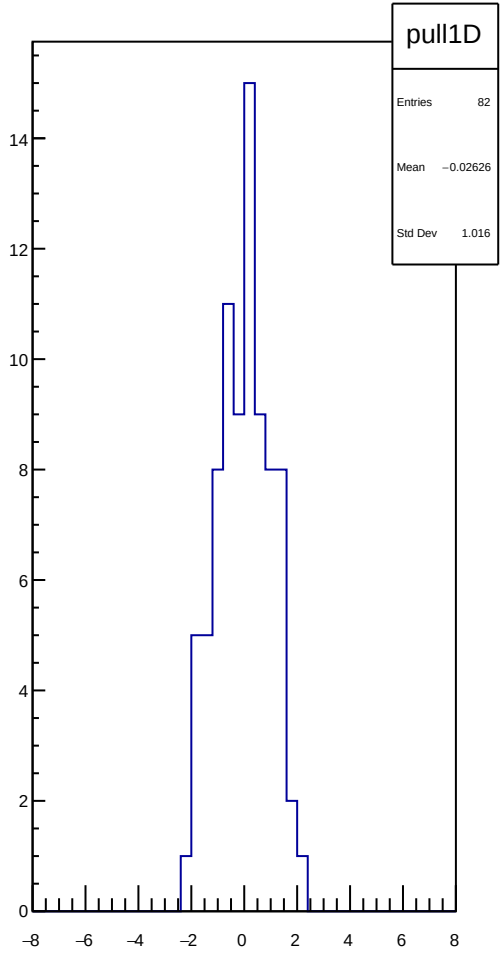

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 84.67 / 81
p0 0.1113 ± 0.2396
pull
Entries 82
Mean −24.01
Std Dev 0
pull1D
Entries 82
Mean −0.02626
Std Dev 1.016

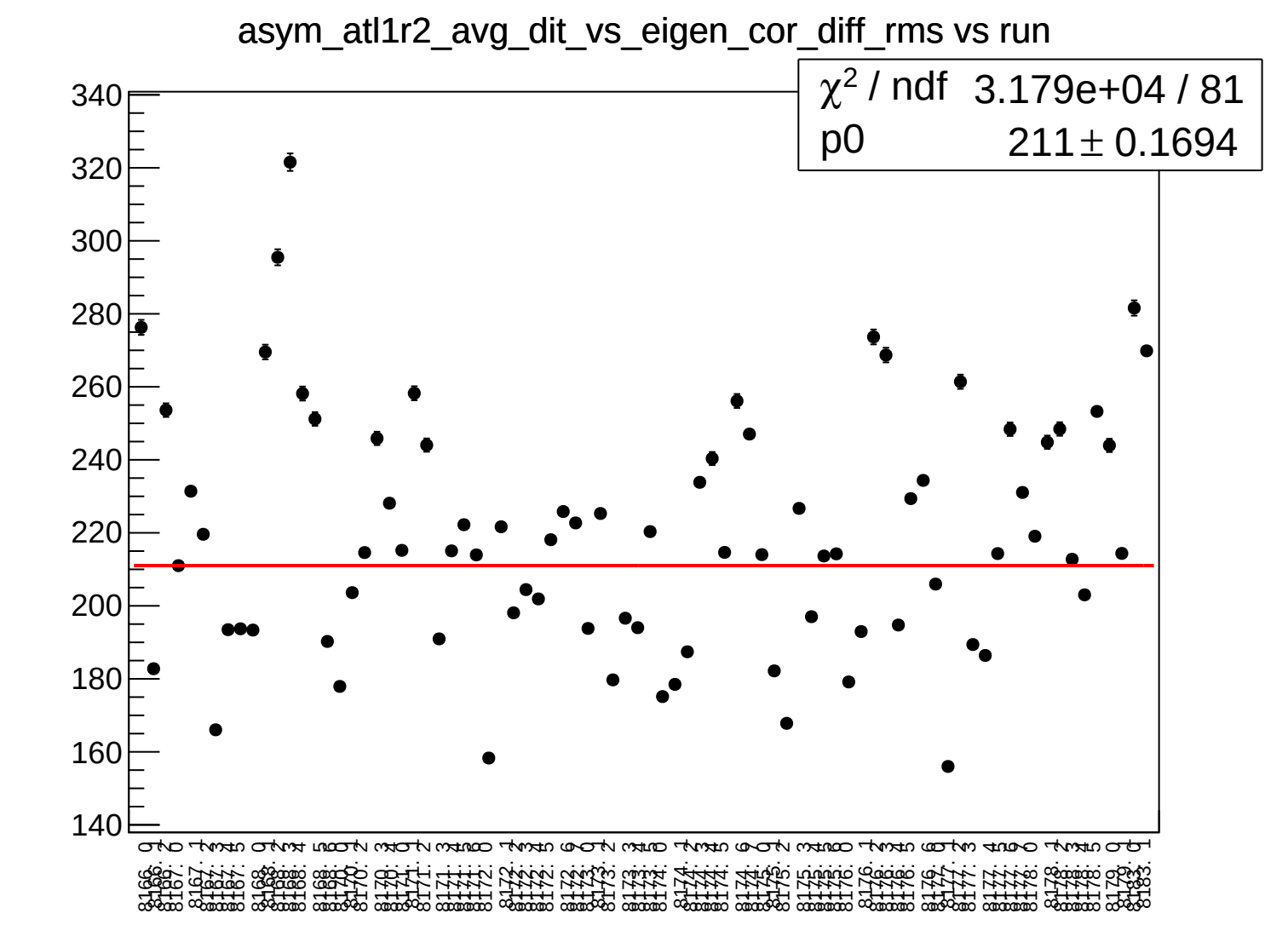

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.179e+04 / 81
p0 211 ± 0.1694
340
320
300
280
260
240
220
200
180
160
140

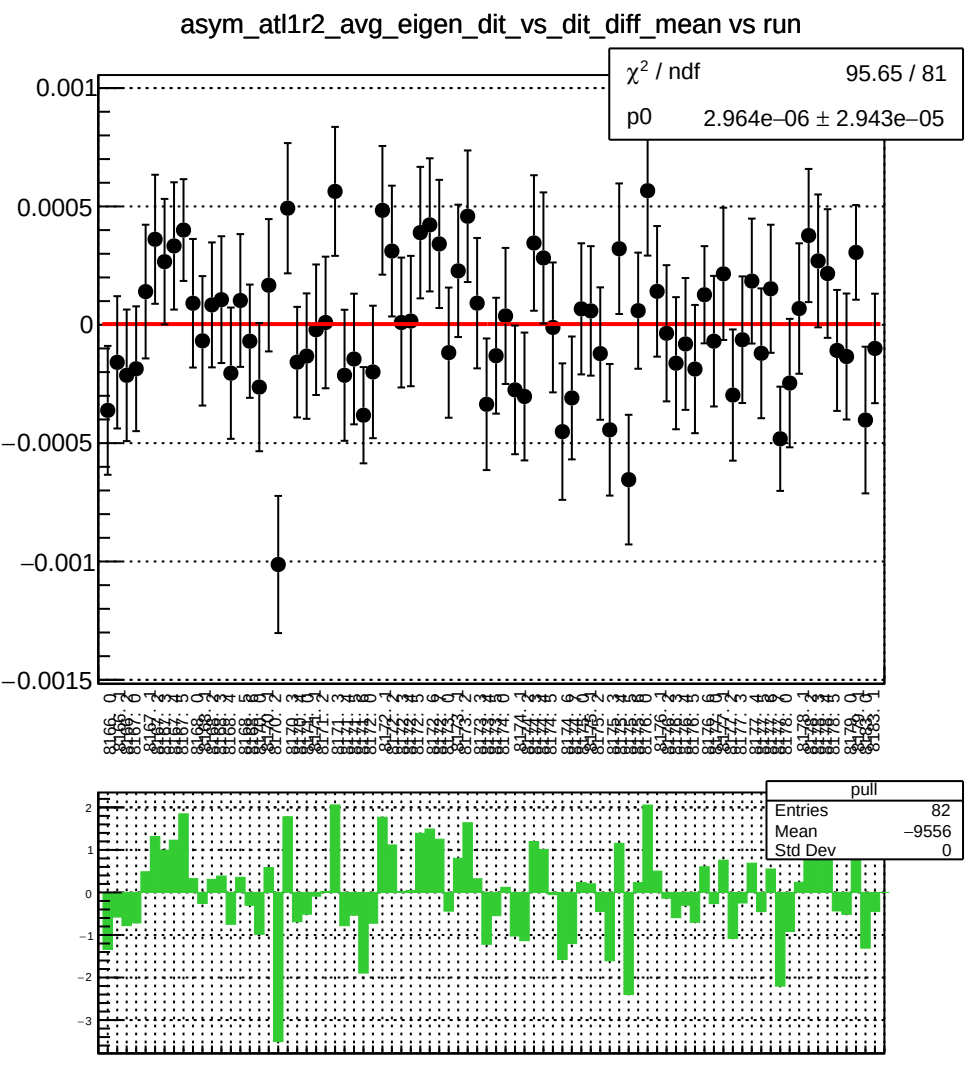
asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run

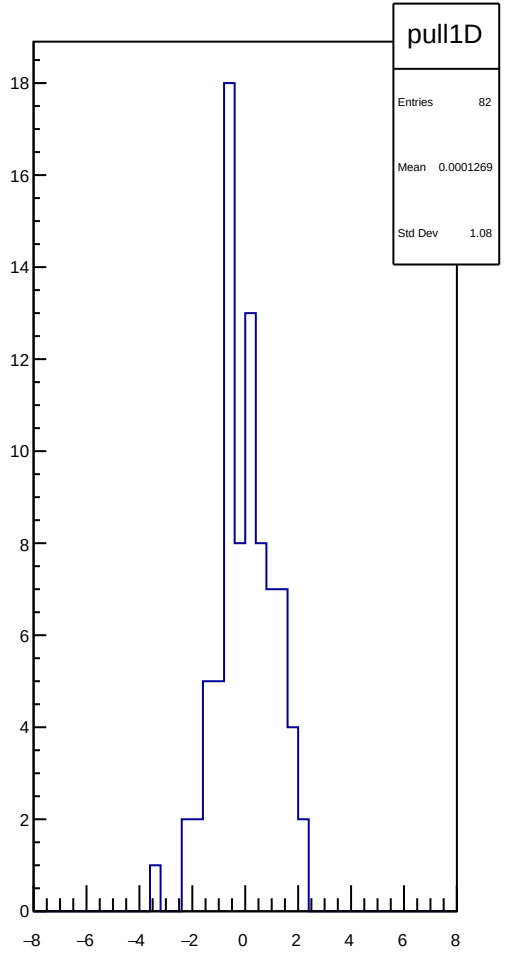


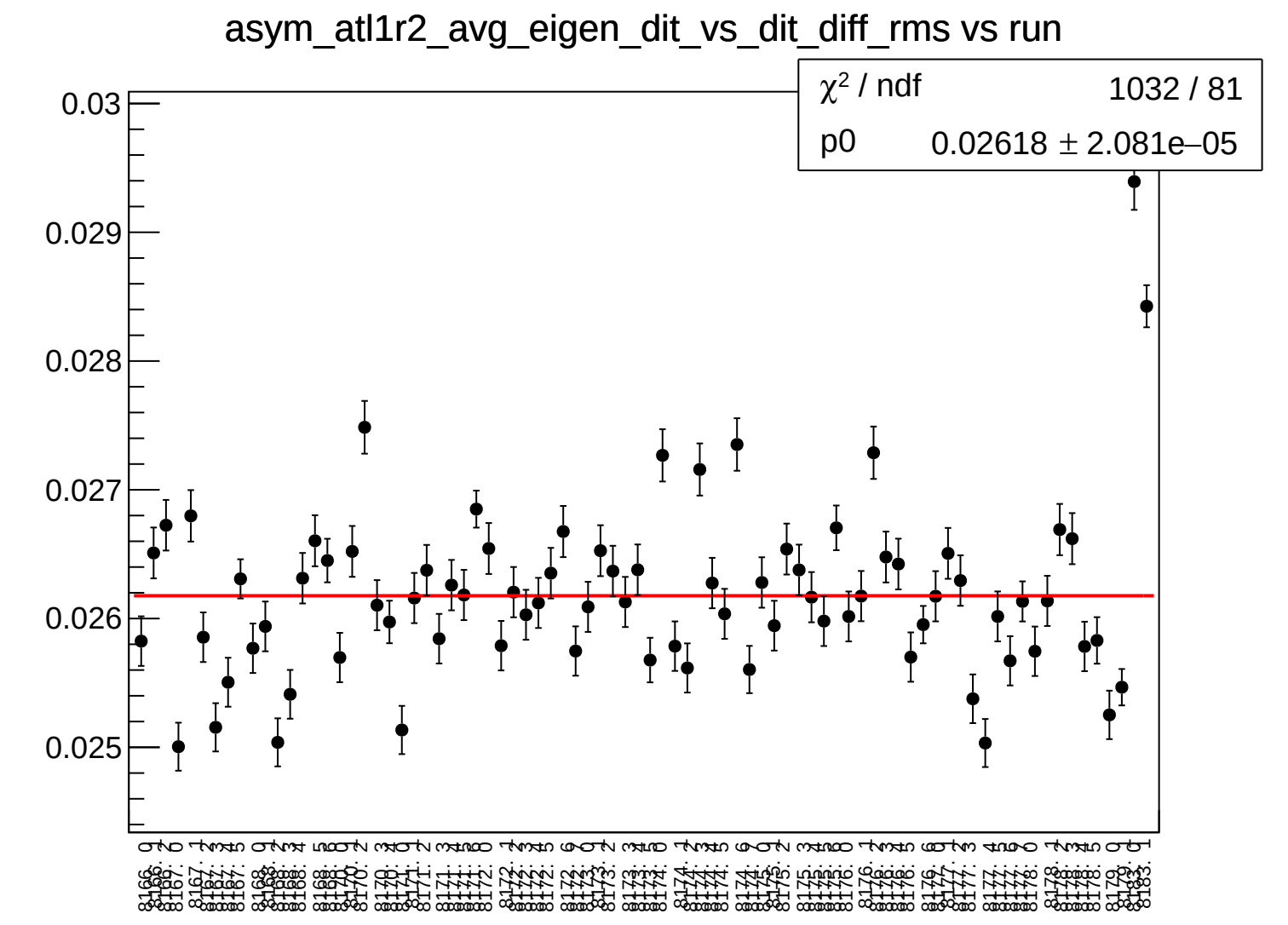




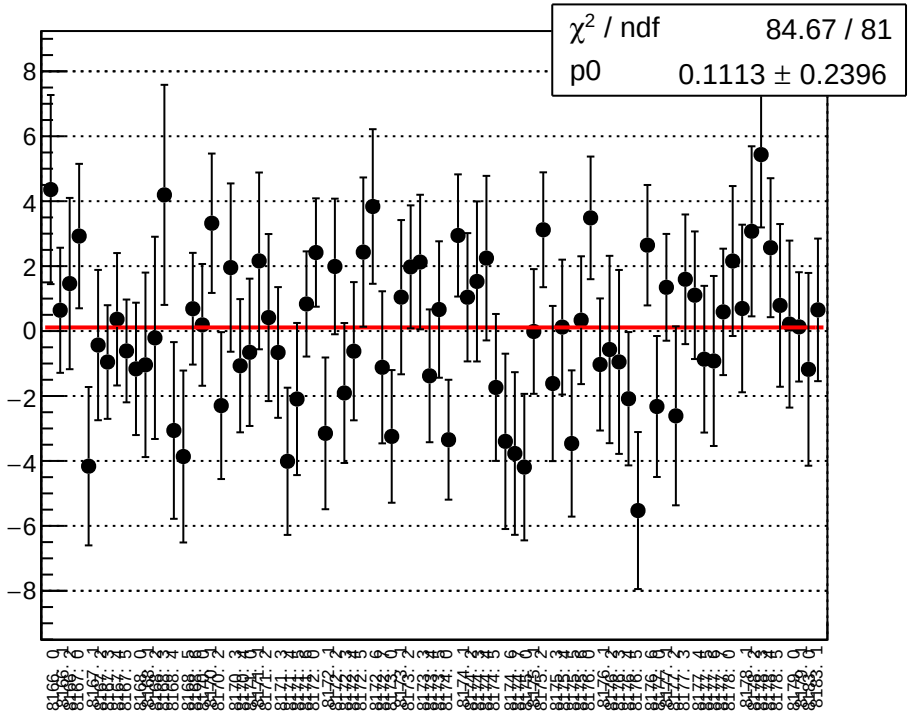

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.179e+04 / 81
p0 211 ± 0.1694
340
320
300
280
260
240
220
200
180
160
140

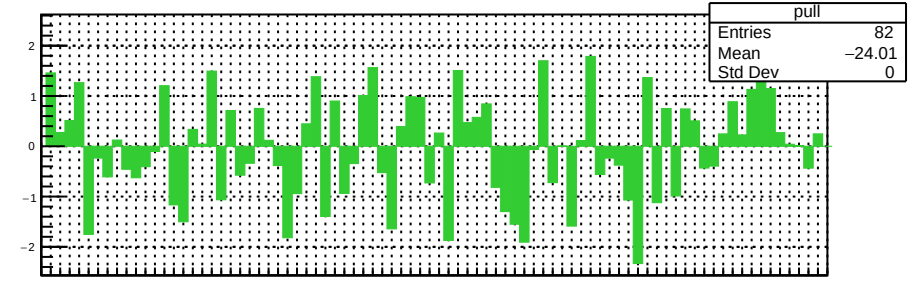

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.65 / 81
p0 2.964e−06 ± 2.943e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean −9556
Std Dev 0
2
1
0
−1
−2
−3

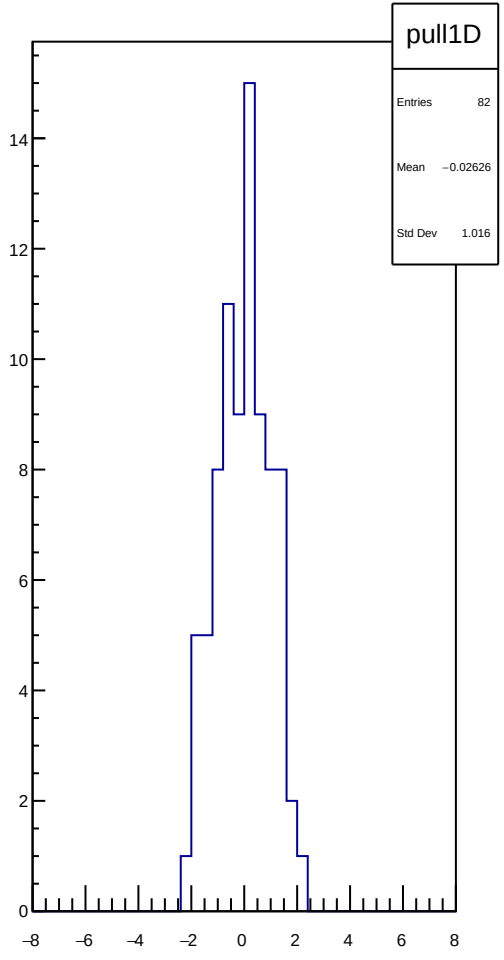

pull1D
Entries 82
Mean 0.0001269
Std Dev 1.08
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

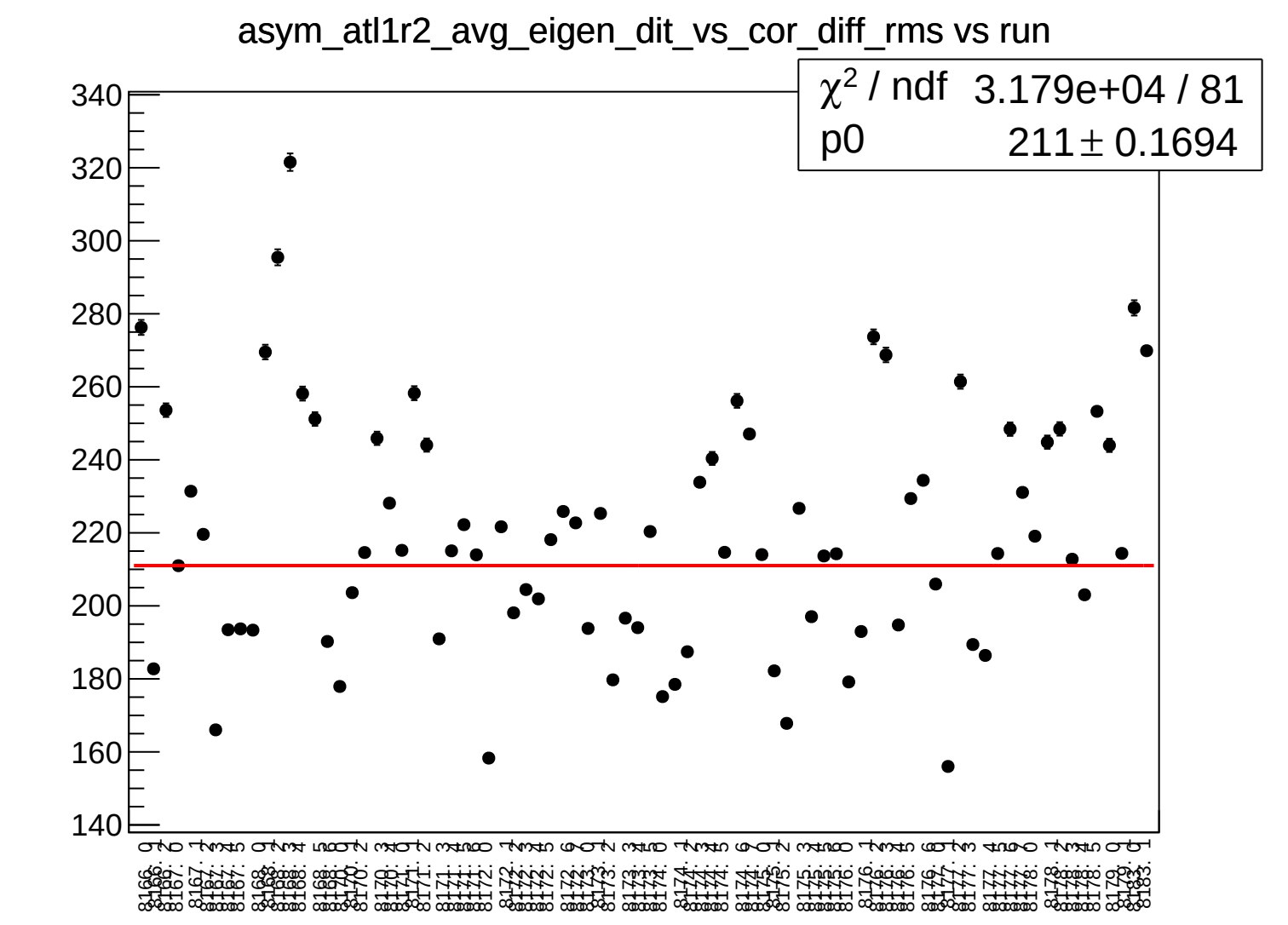

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1032 / 81
p0 0.02618 ± 2.081e–05
0.03
0.029
0.028
0.027
0.026
0.025

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run

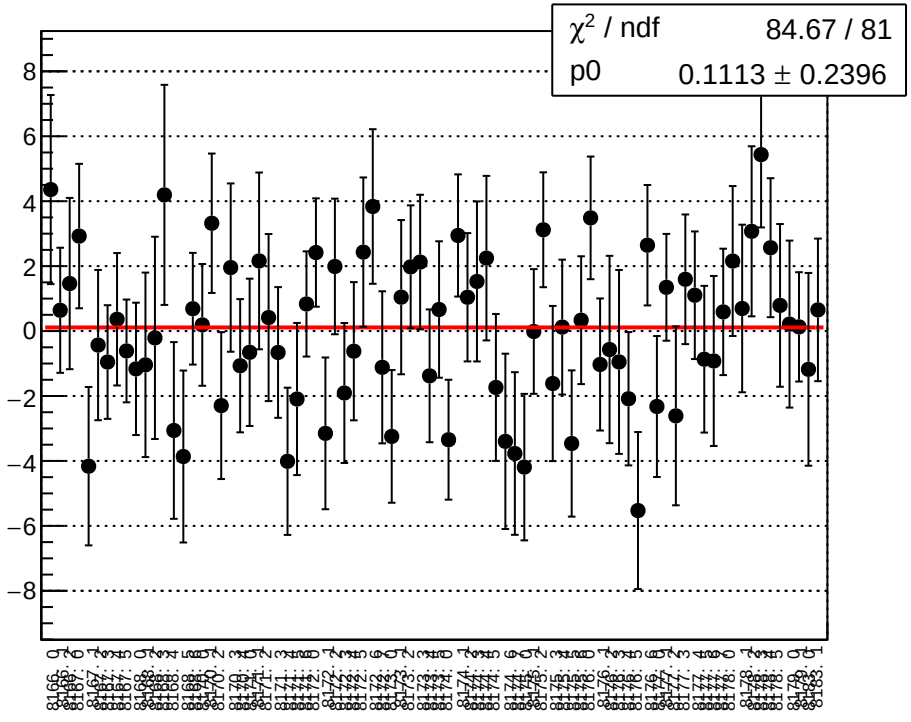


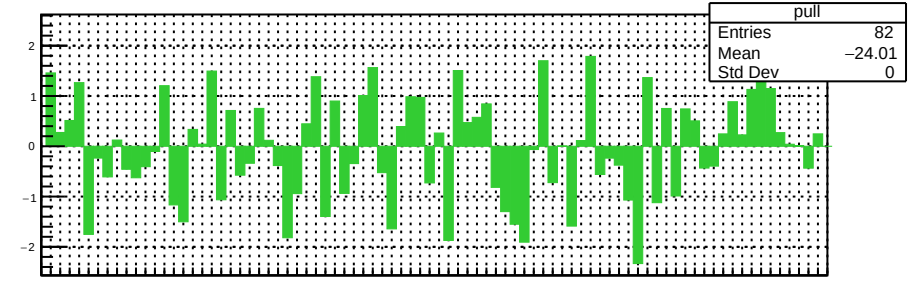


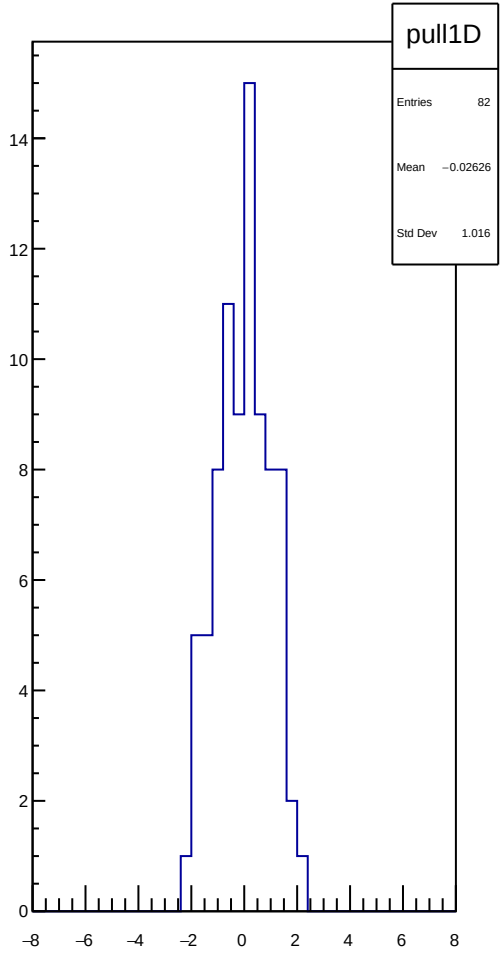


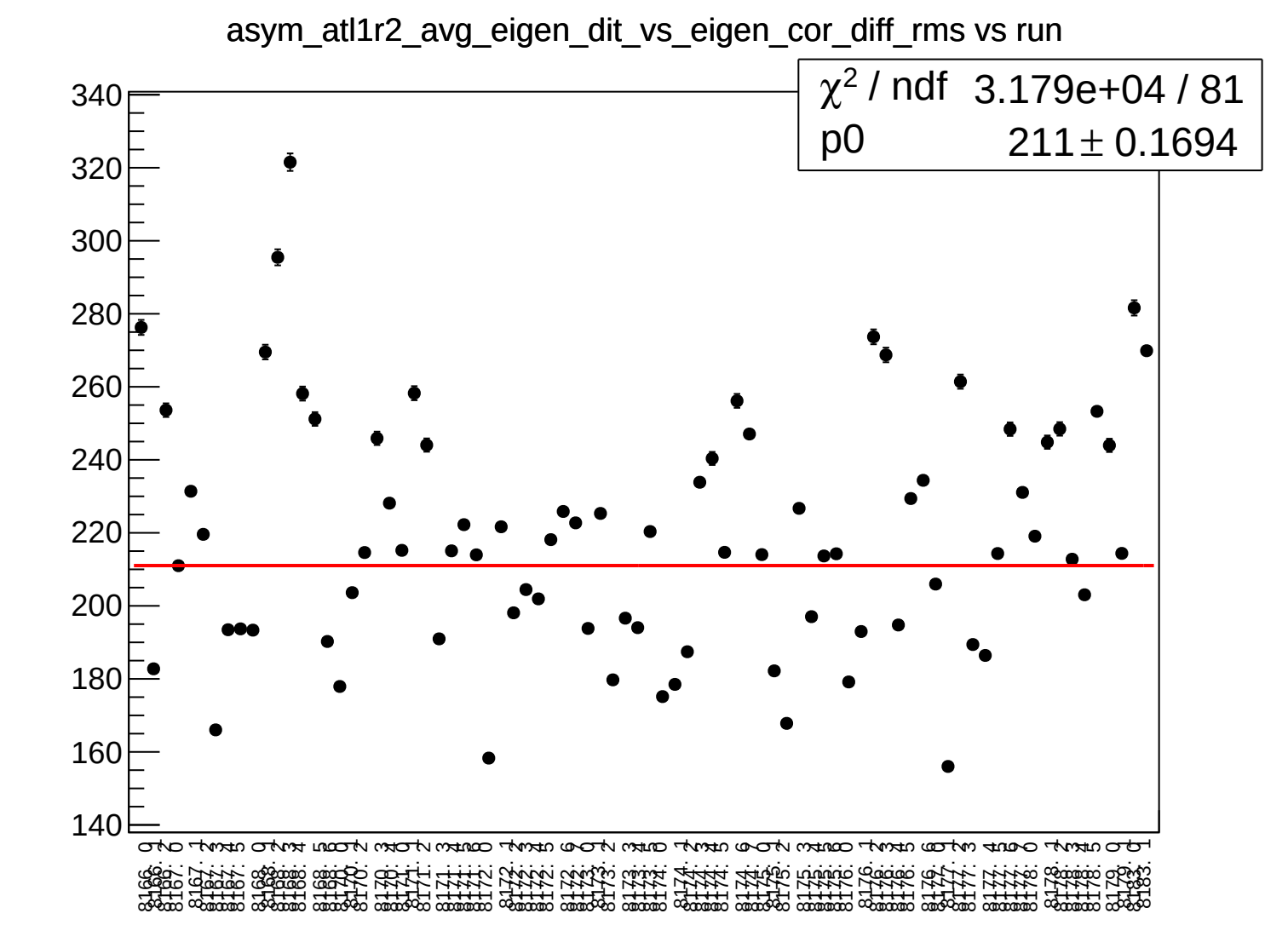

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.179e+04 / 81
p0 211 ± 0.1694
340
320
300
280
260
240
220
200
180
160
140

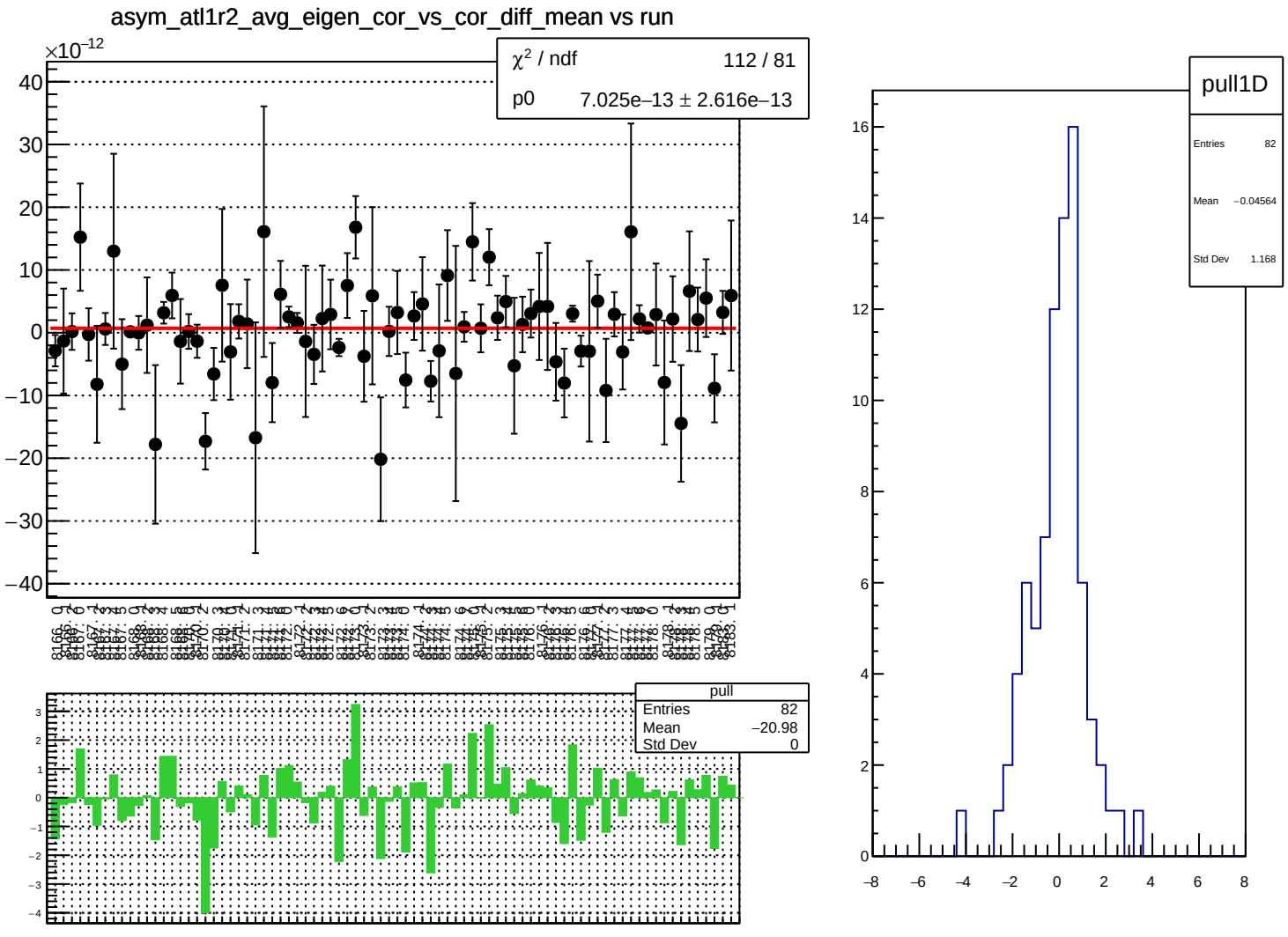
asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

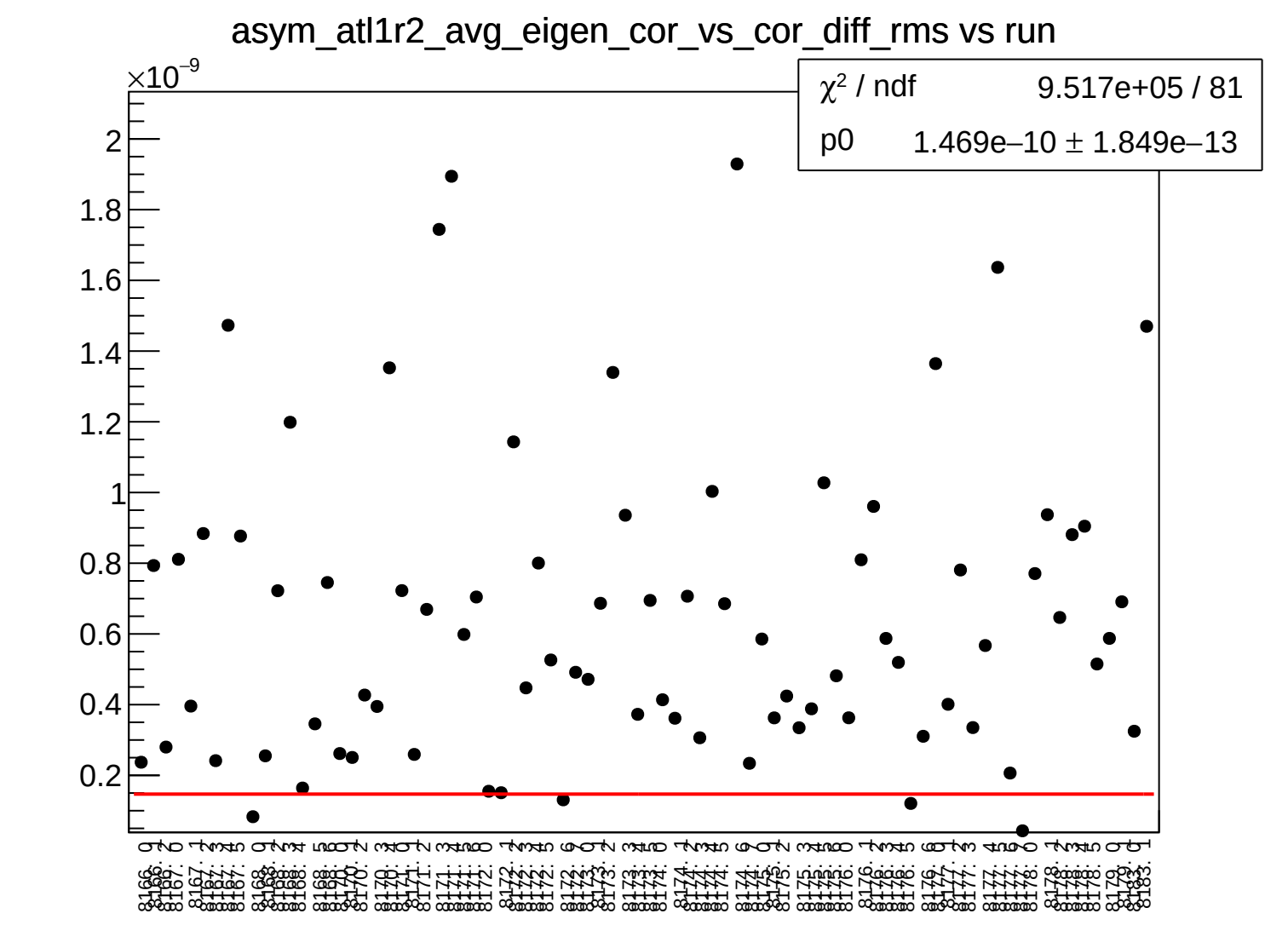


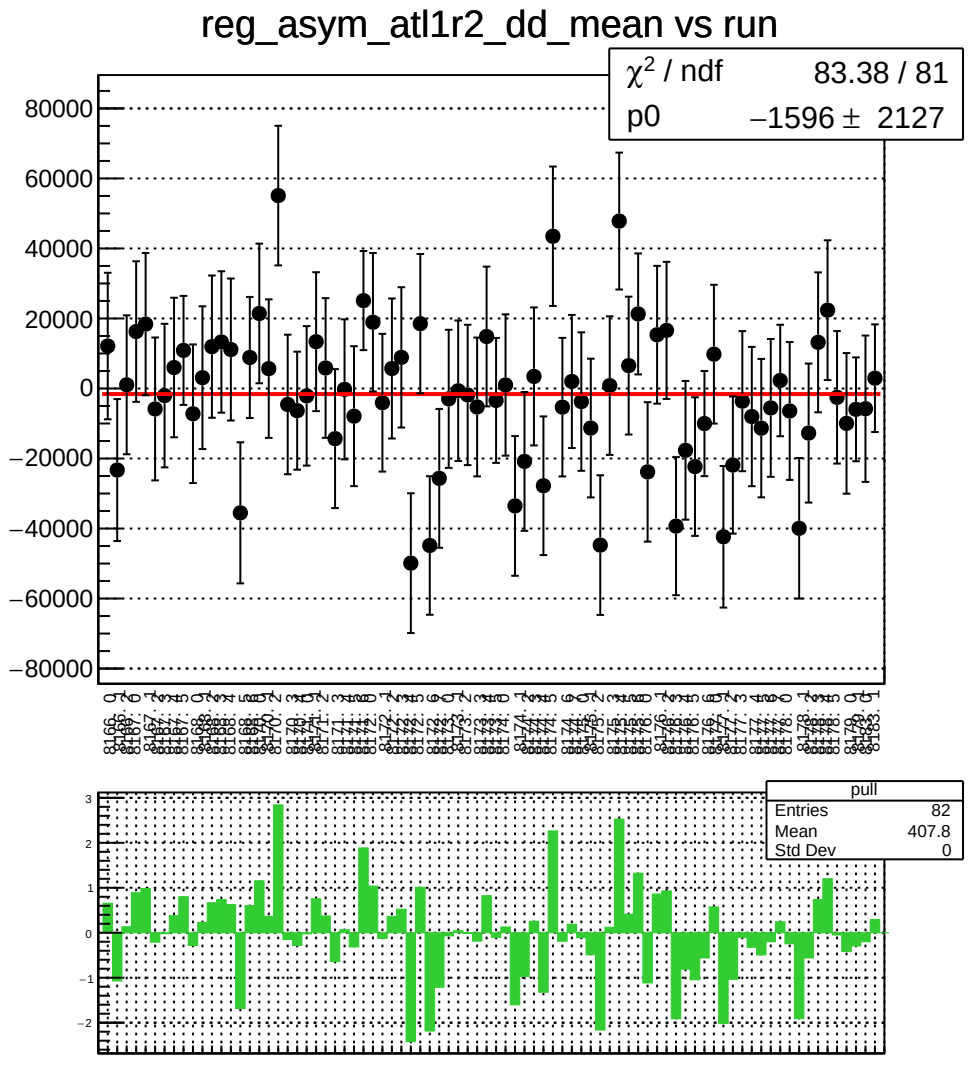


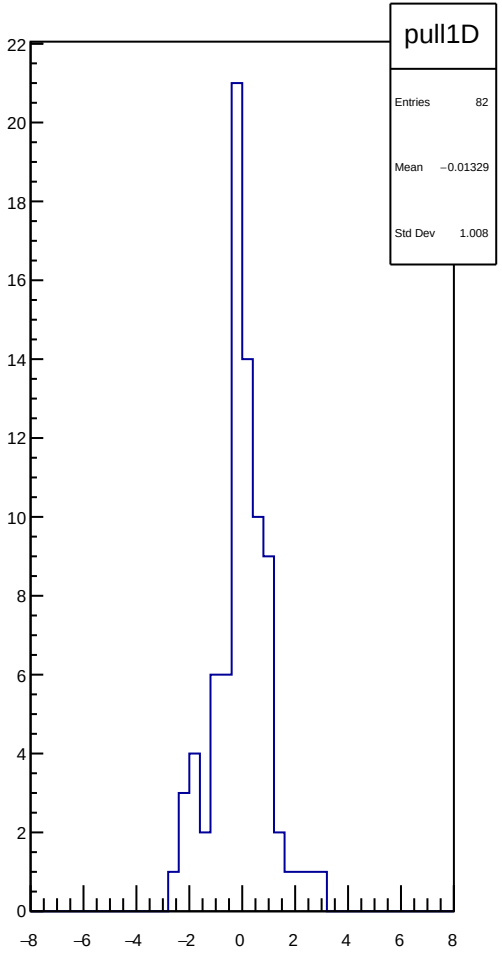


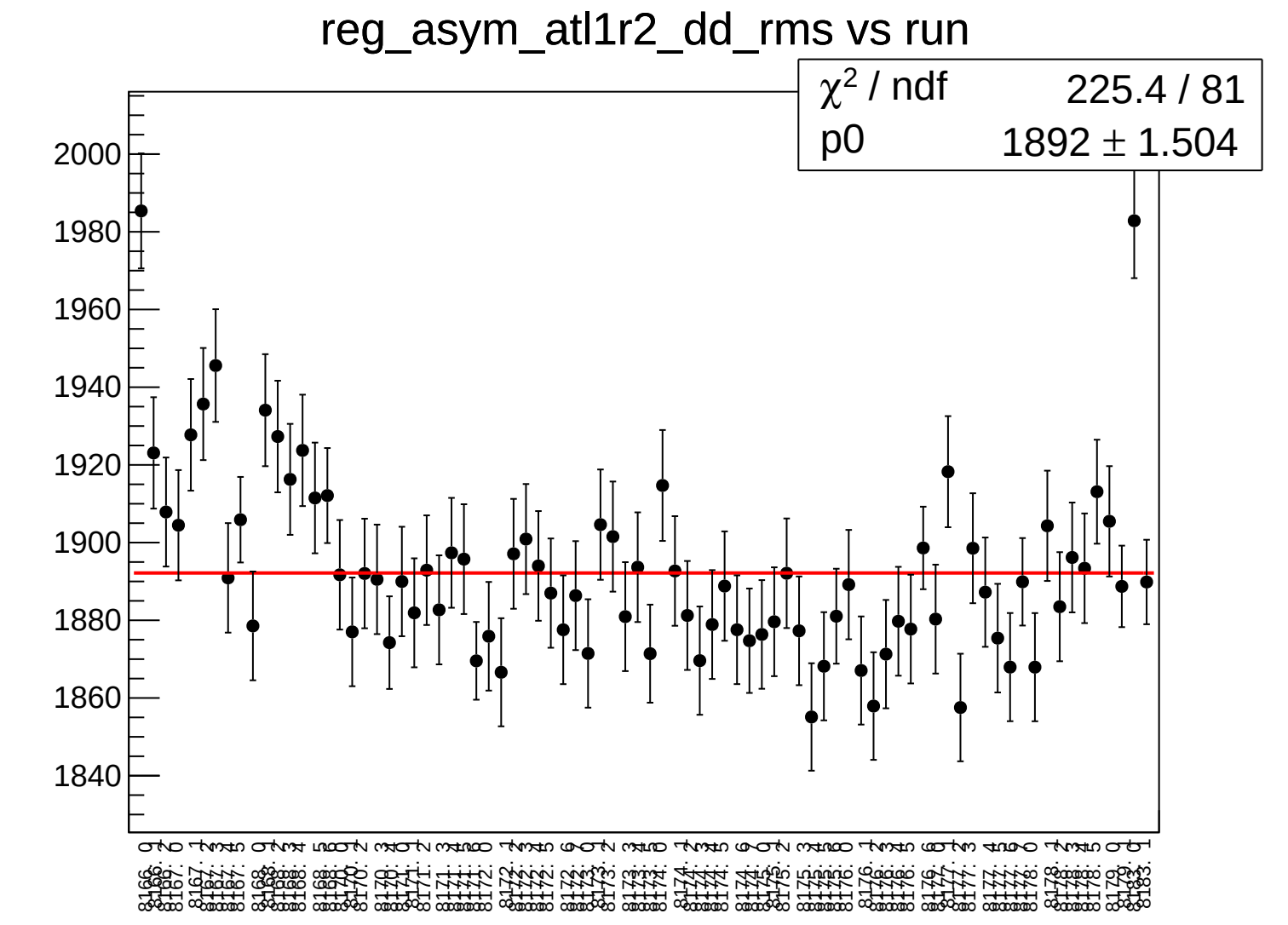

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.179e+04 / 81
p0 211 ± 0.1694
340
320
300
280
260
240
220
200
180
160
140

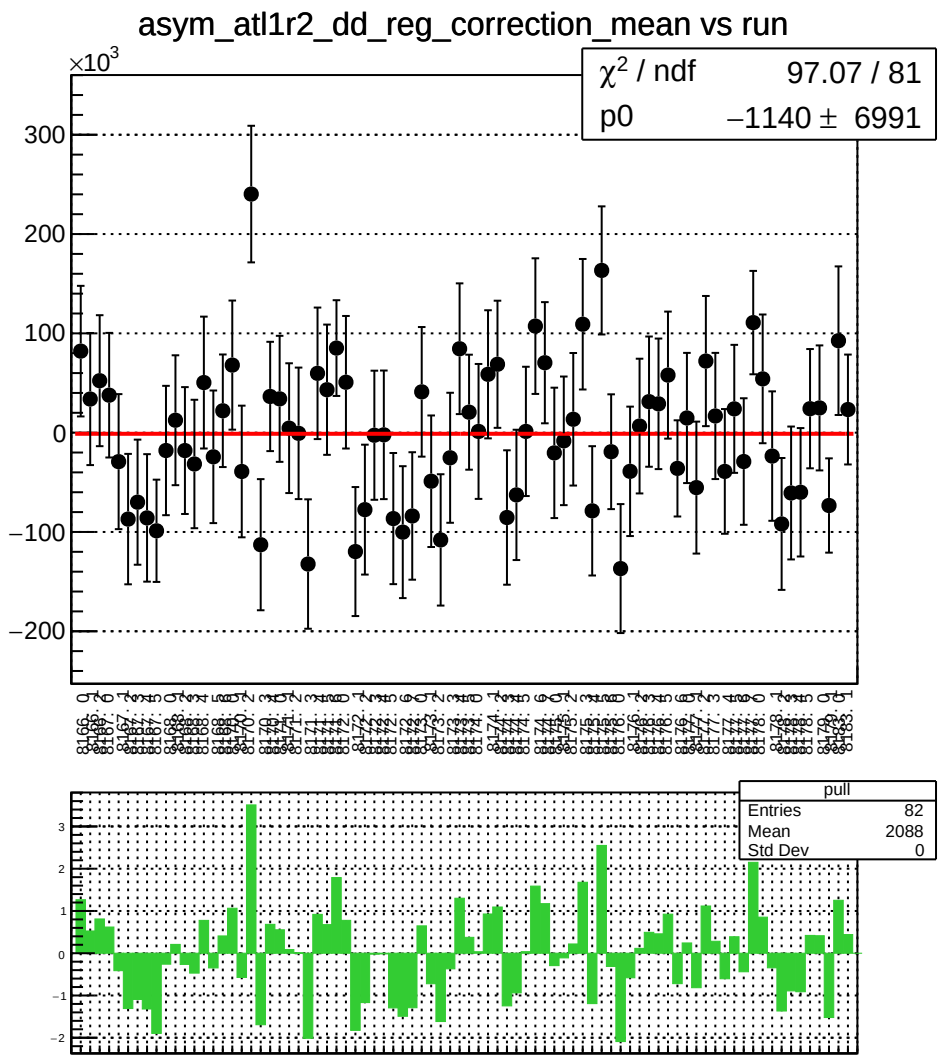

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 112 / 81
p0 7.025e−13 ± 2.616e−13
pull
Entries 82
Mean −20.98
Std Dev 0
pull1D
Entries 82
Mean −0.04564
Std Dev 1.168

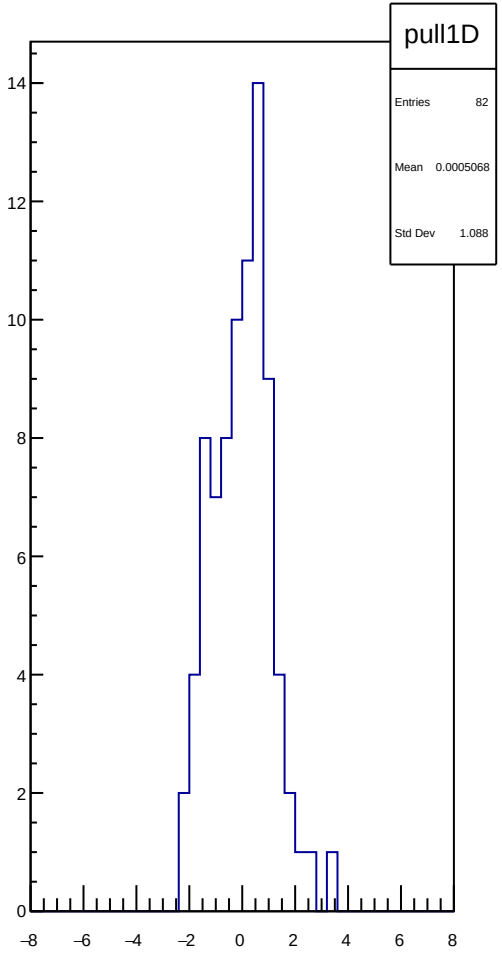

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.517e+05 / 81
p0 1.469e−10 ± 1.849e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

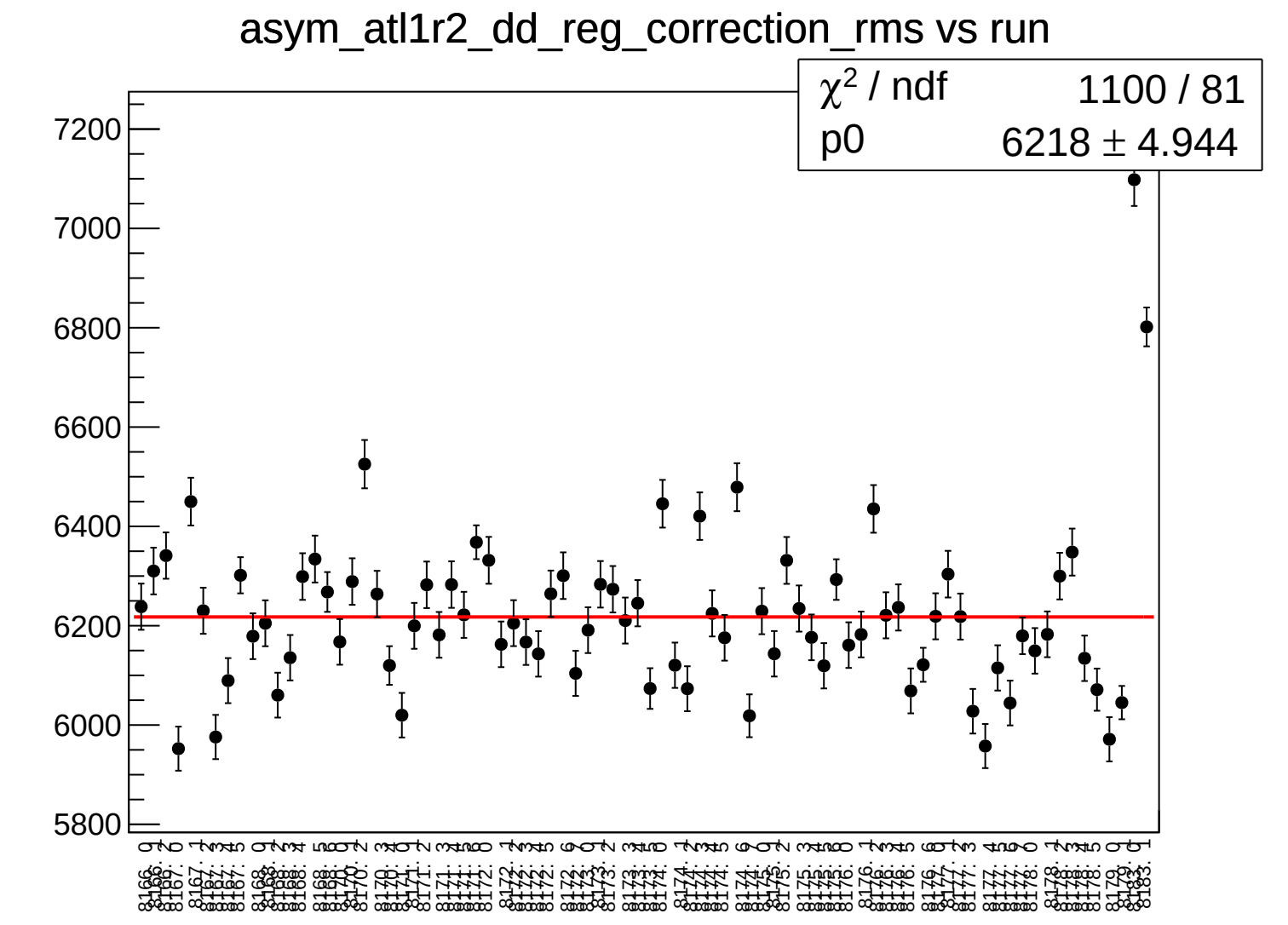

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 83.38 / 81
p0 −1596 ± 2127
pull
Entries 82
Mean 407.8
Std Dev 0

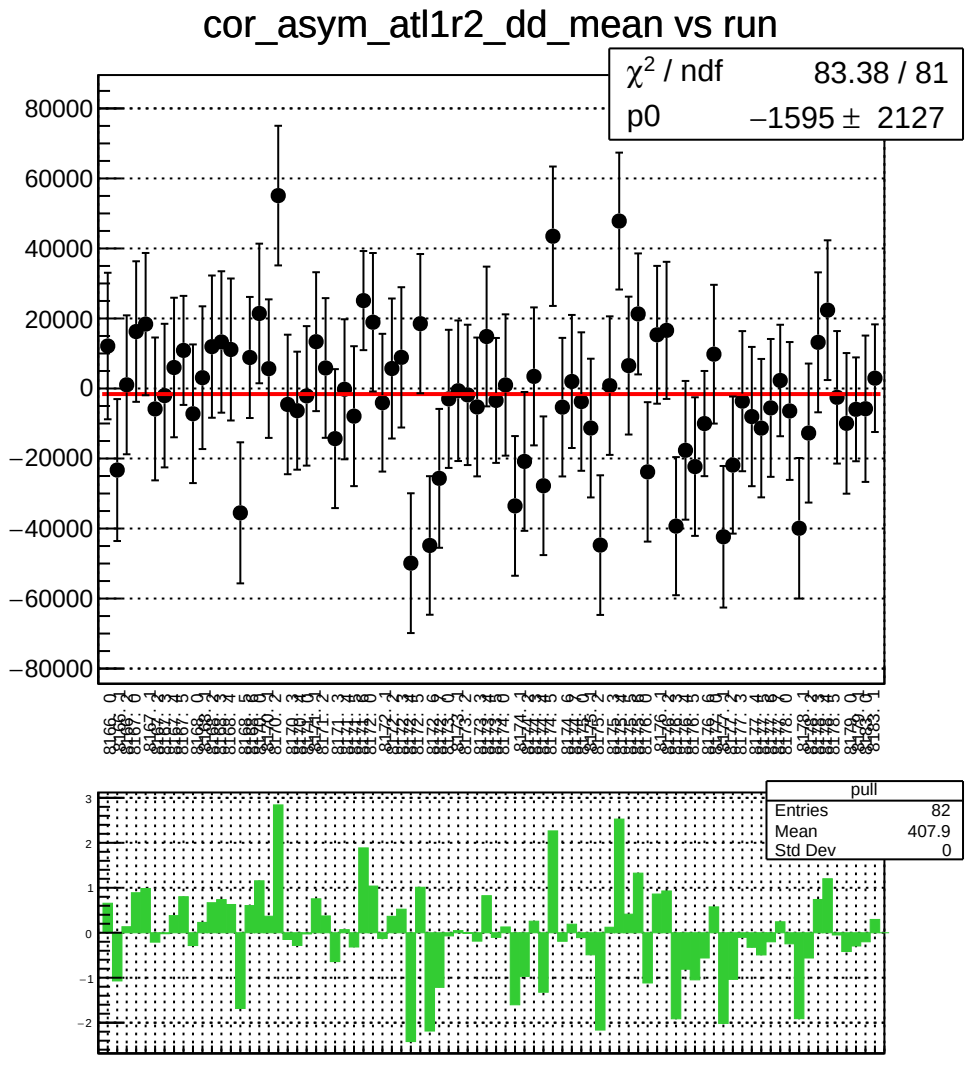

pull1D
Entries 82
Mean −0.01329
Std Dev 1.008

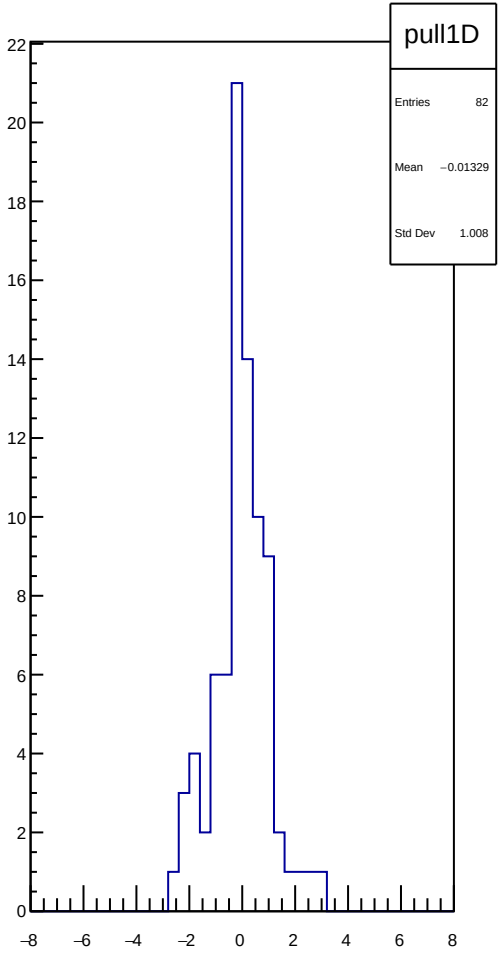

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 225.4 / 81
p0 1892 ± 1.504
2000
1980
1960
1940
1920
1900
1880
1860
1840

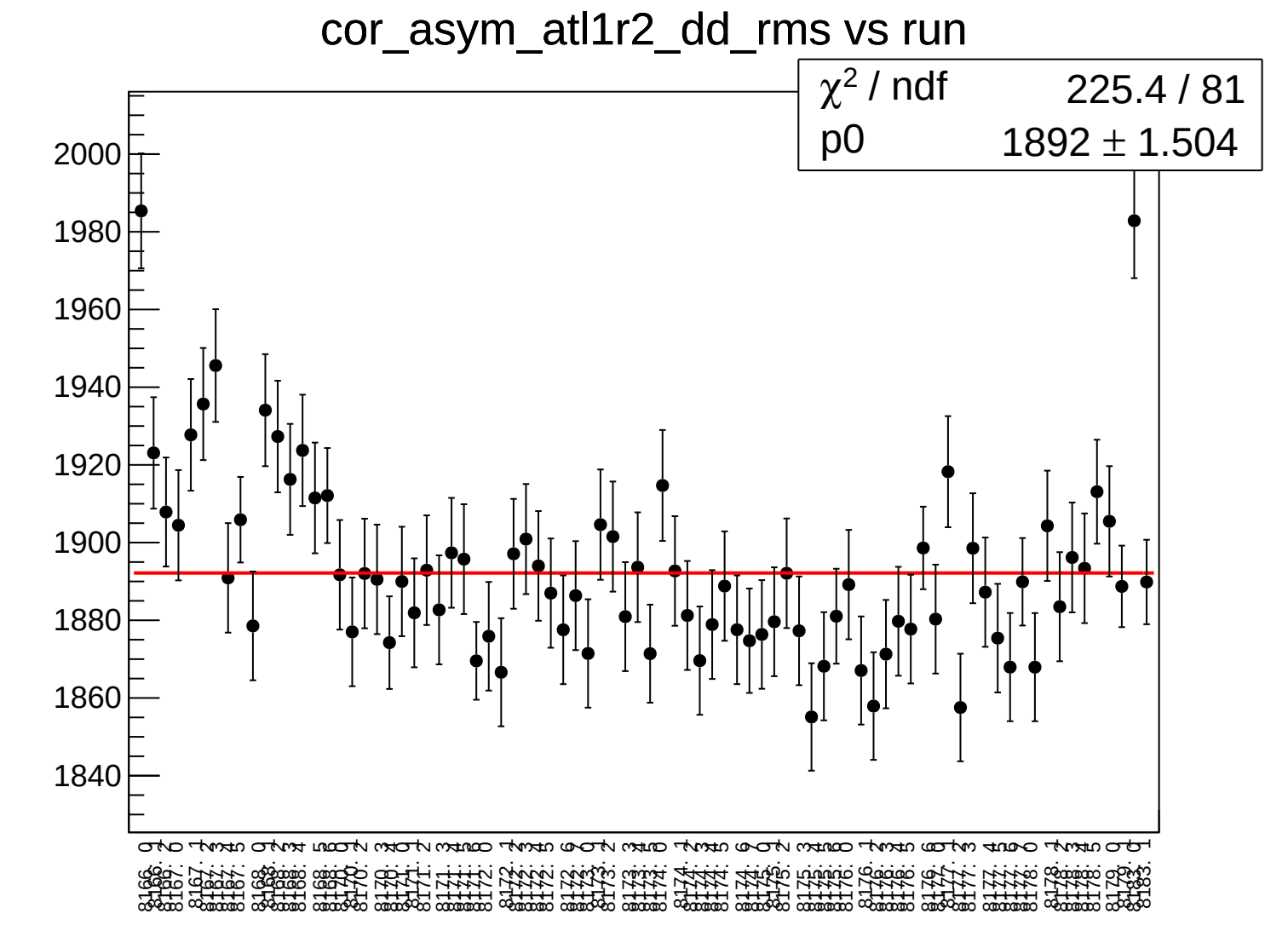

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 97.07 / 81
p0 −1140 ± 6991
300
200
100
0
−100
−200
pull
Entries 82
Mean 2088
Std Dev 0
3
2
1
0
−1
−2

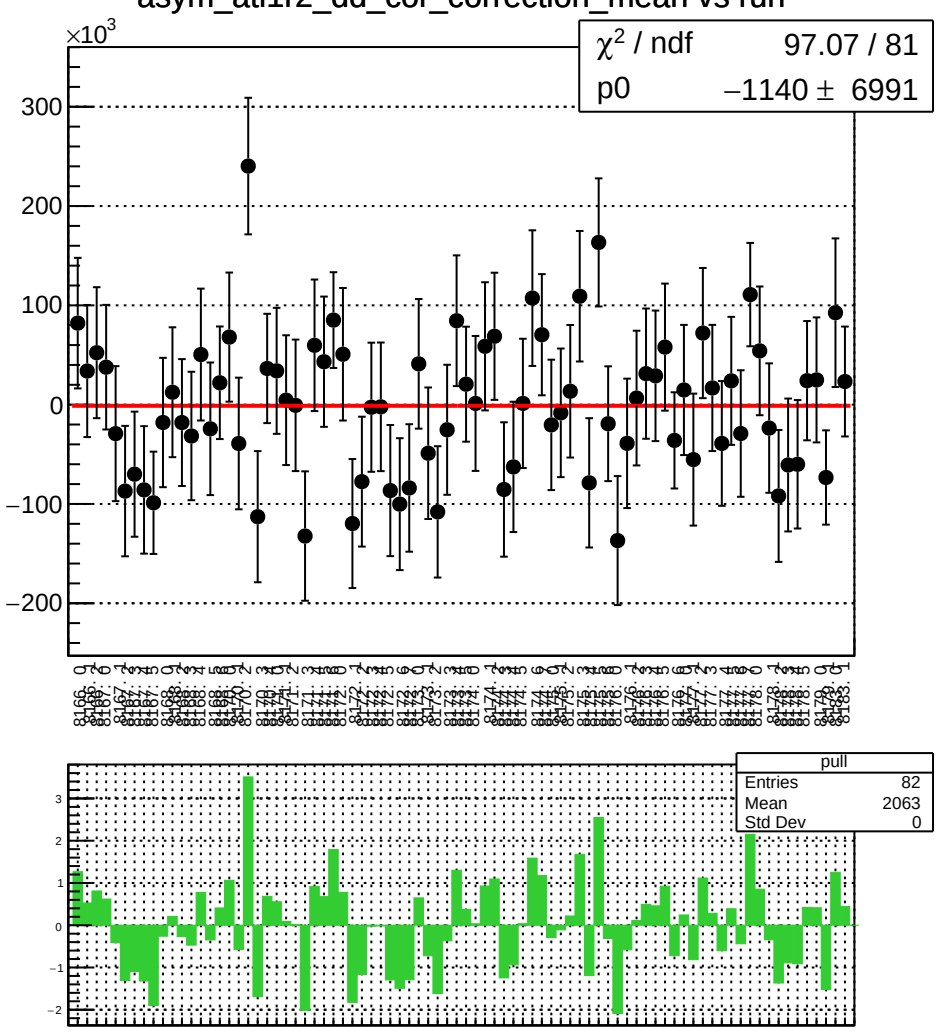

pull1D
Entries 82
Mean 0.0005068
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

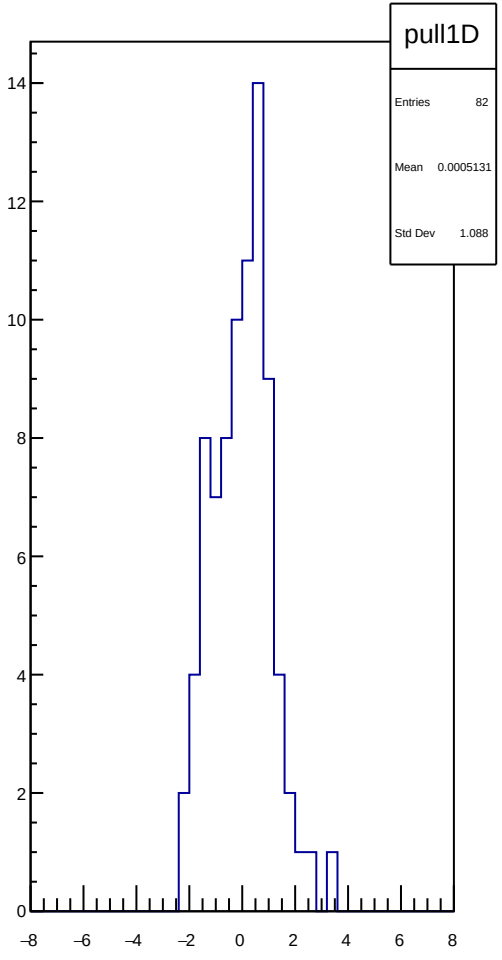

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 1100 / 81
p0 6218 ± 4.944
7200
7000
6800
6600
6400
6200
6000
5800

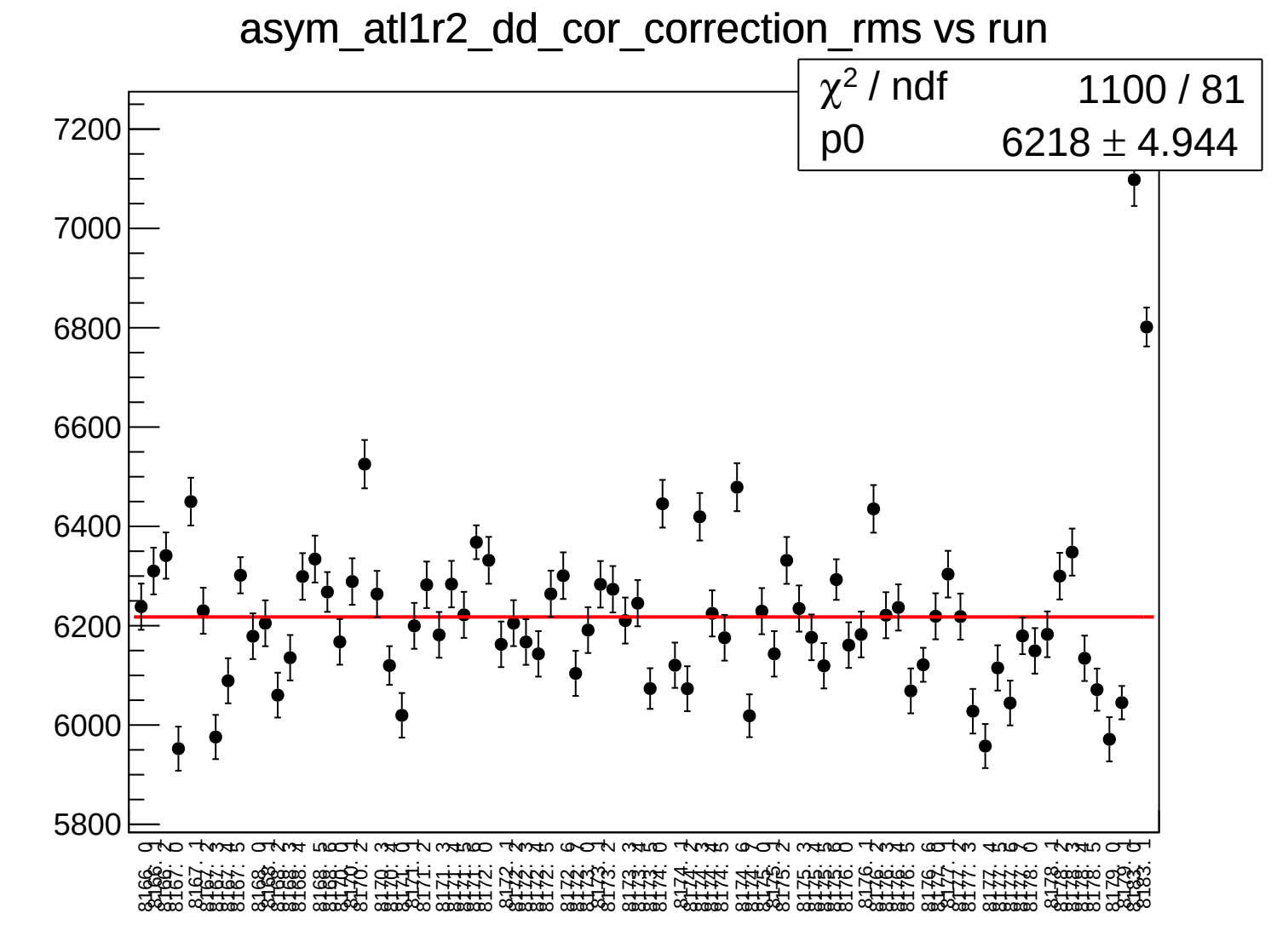

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 83.38 / 81
p0 −1595 ± 2127
pull
Entries 82
Mean 407.9
Std Dev 0

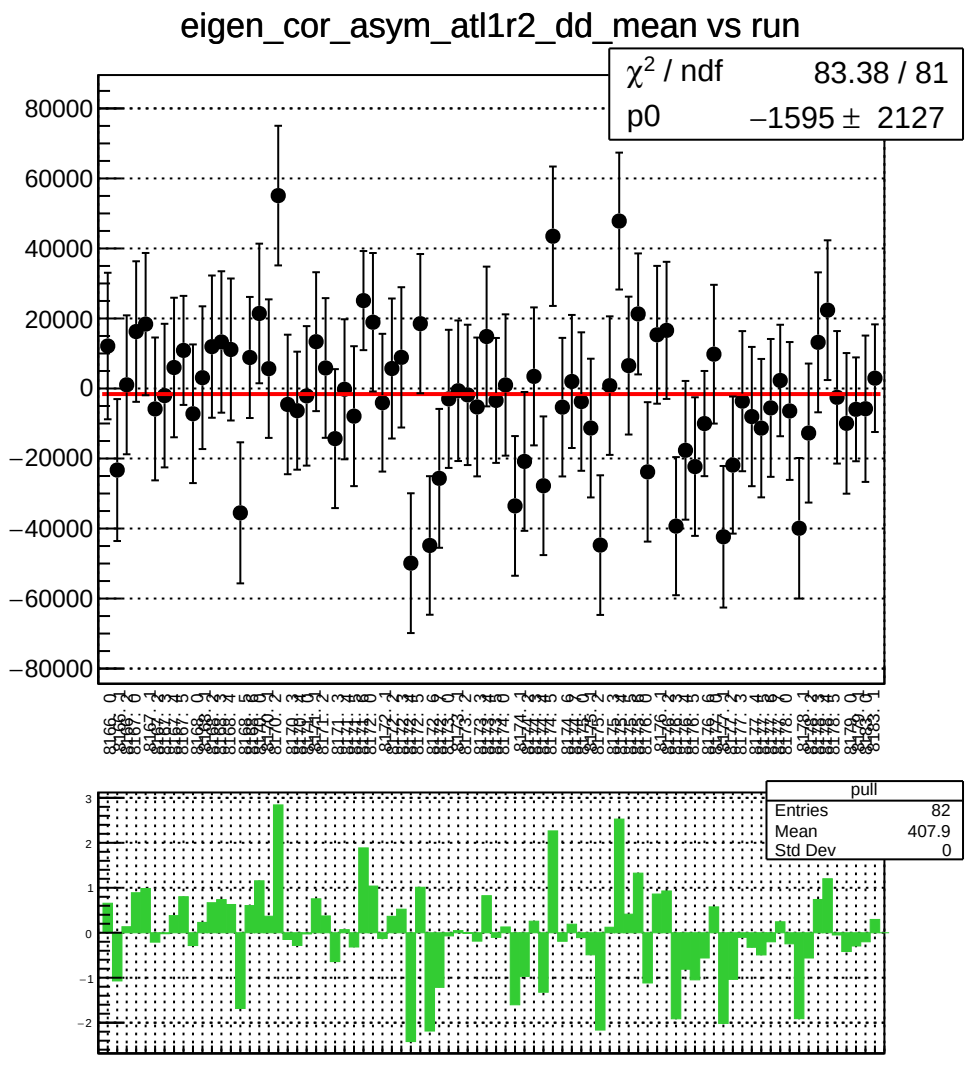

pull1D
Entries 82
Mean −0.01329
Std Dev 1.008

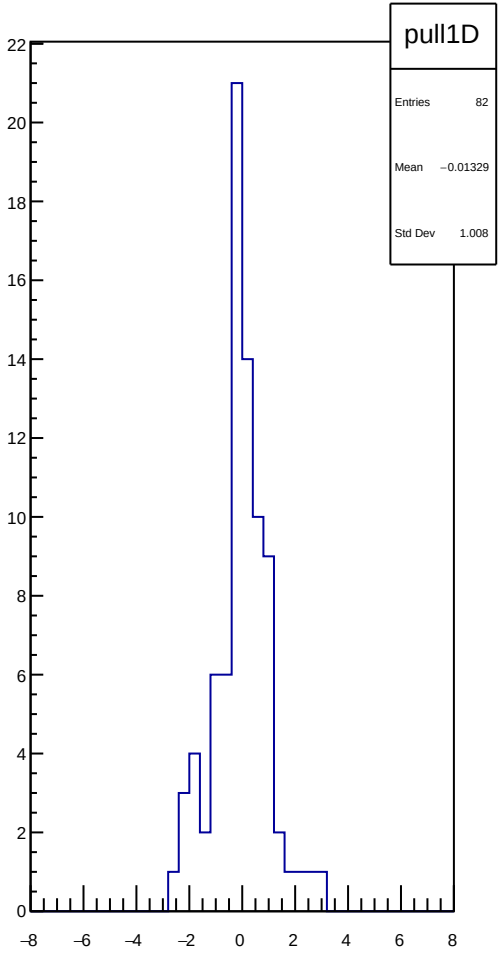

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 225.4 / 81
p0 1892 ± 1.504
2000
1980
1960
1940
1920
1900
1880
1860
1840

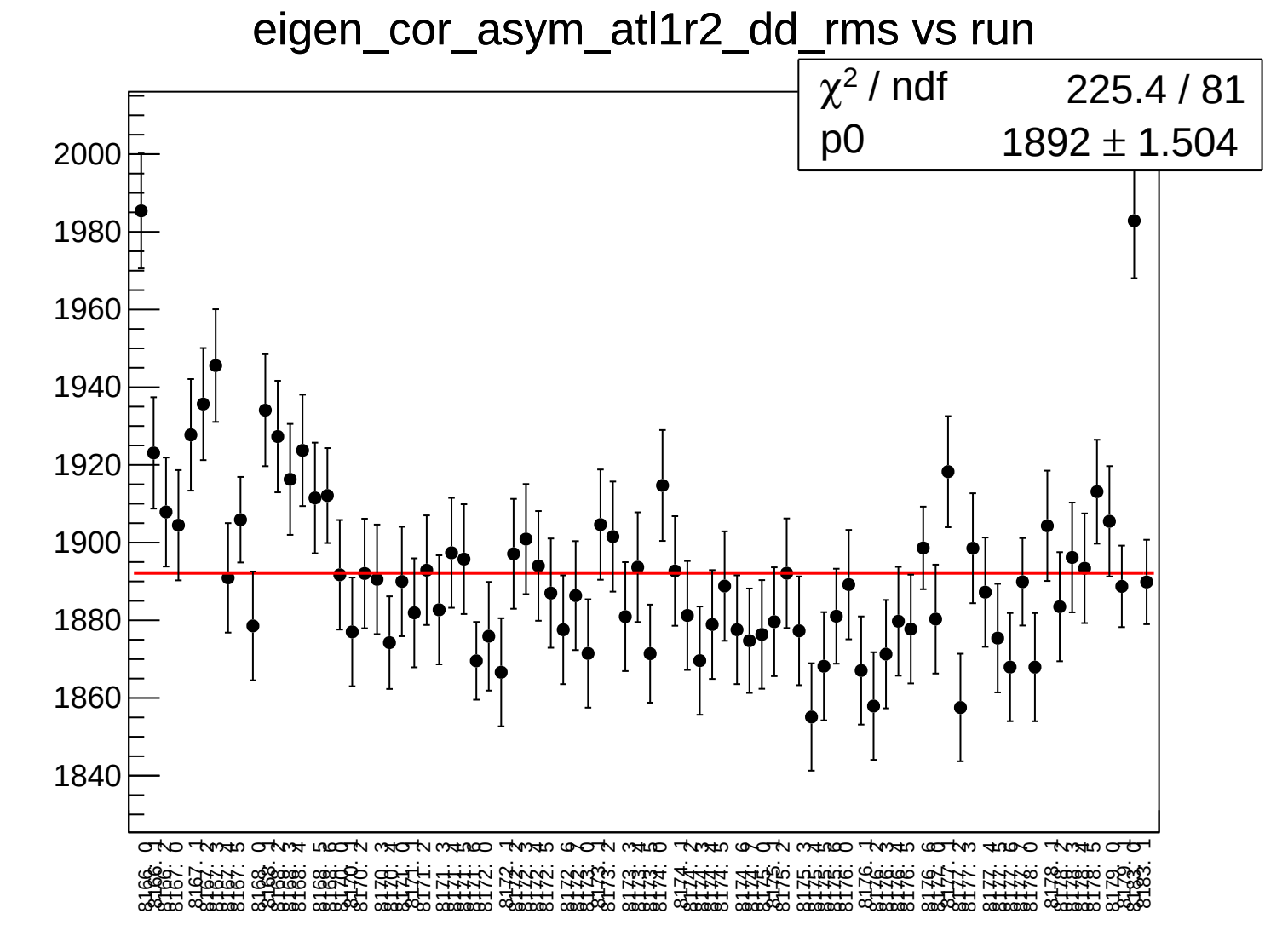

asym_atl1r2_dd_cor_correction_mean vs run
χ² / ndf 97.07 / 81
p0 −1140 ± 6991
×10³
300
200
100
0
−100
−200
pull
Entries 82
Mean 2063
Std Dev 0
3
2
1
0
−1
−2

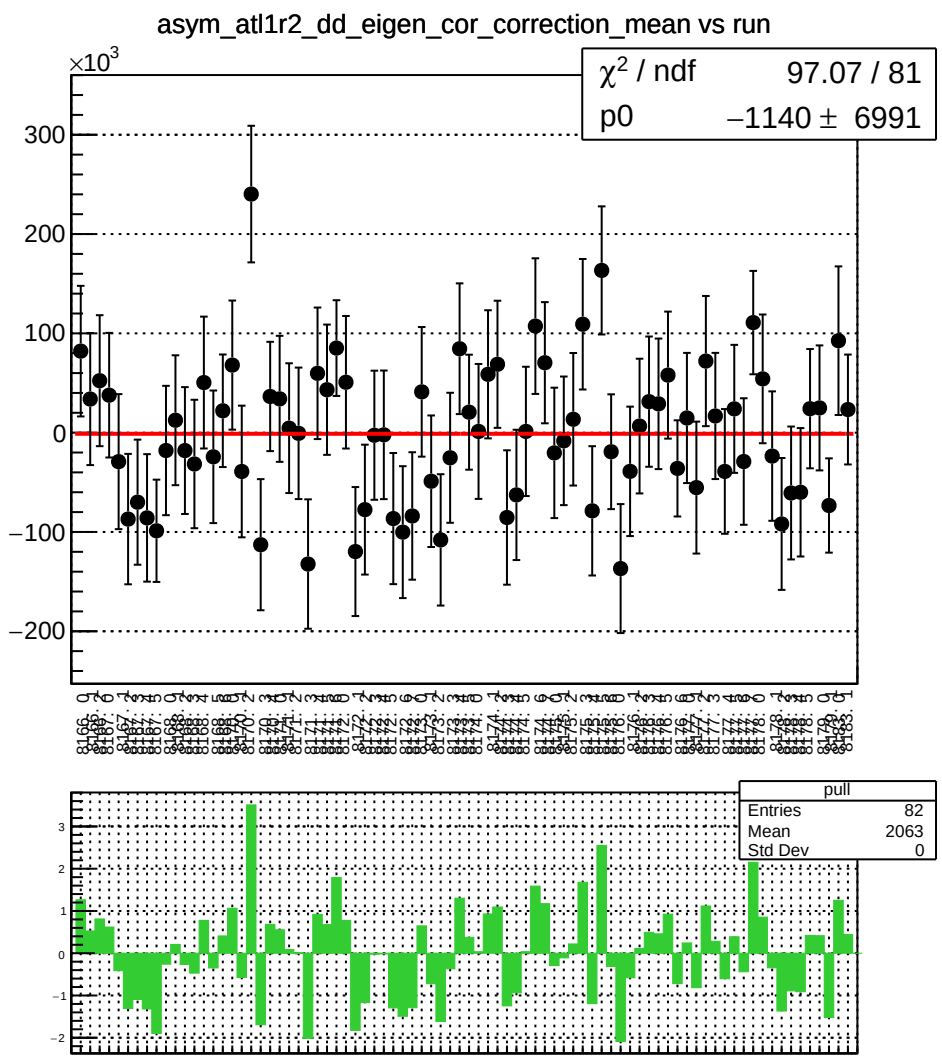

pull1D
Entries 82
Mean 0.0005131
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

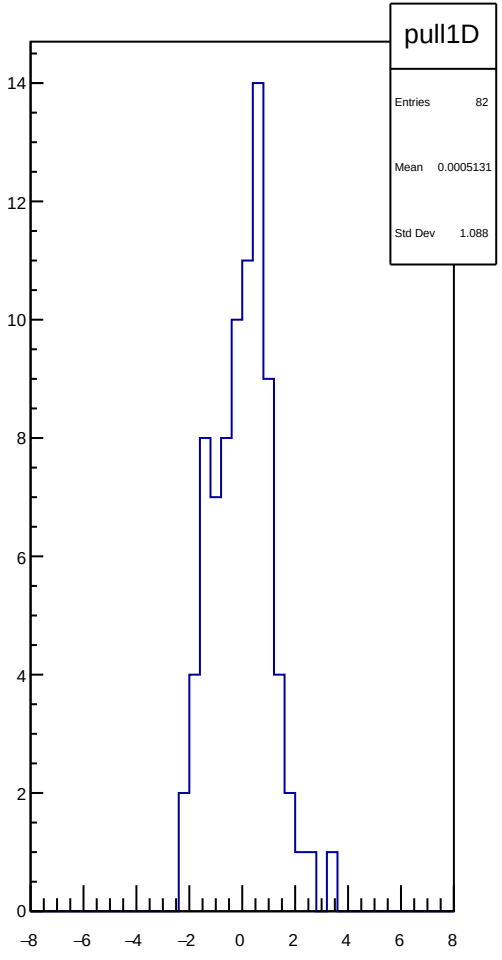

asym_atl1r2_dd_cor_correction_rms vs run
χ^2 / ndf 1100 / 81
p0 6218 ± 4.944
7200
7000
6800
6600
6400
6200
6000
5800

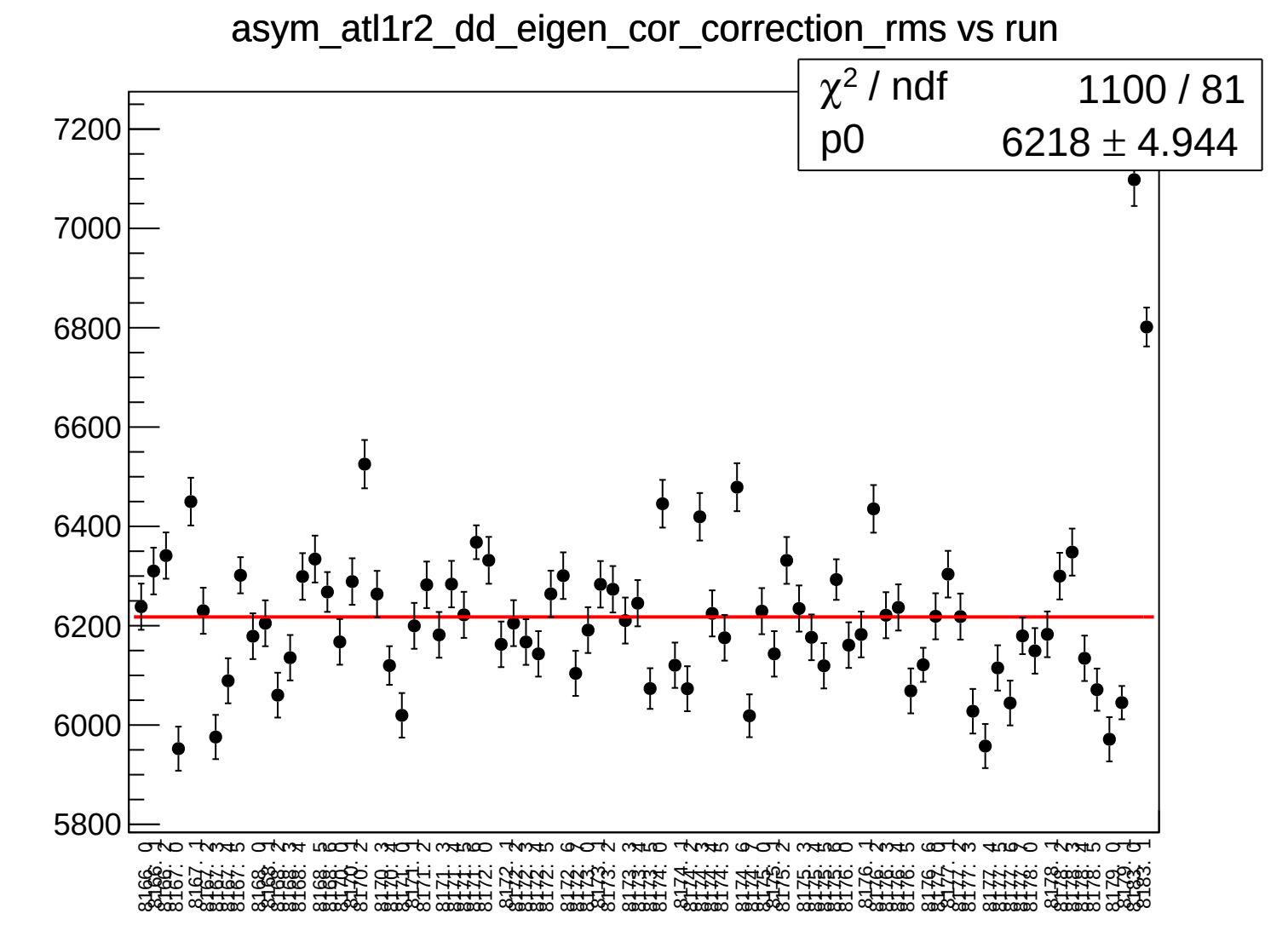

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 83.38 / 81
p0 −1595 ± 2127
pull
Entries 82
Mean 407.9
Std Dev 0

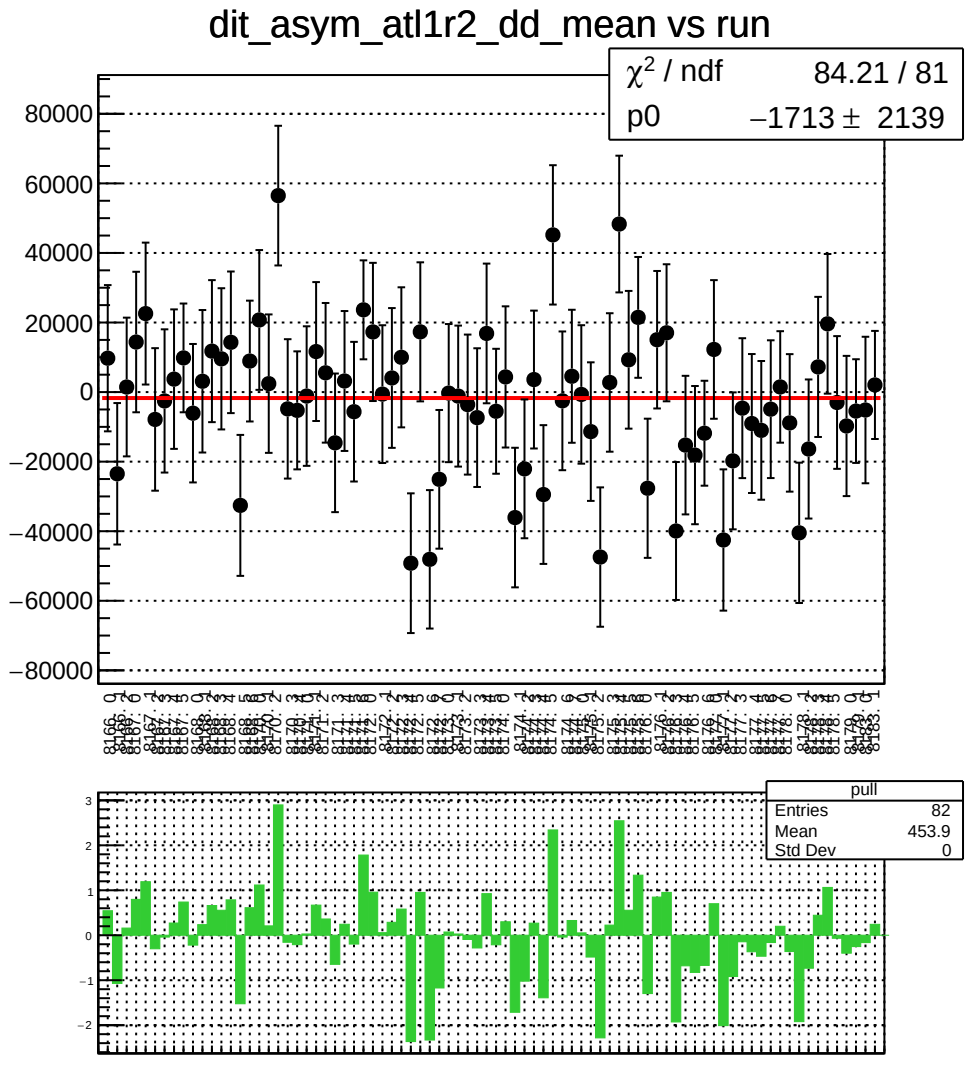

pull1D
Entries 82
Mean −0.01329
Std Dev 1.008

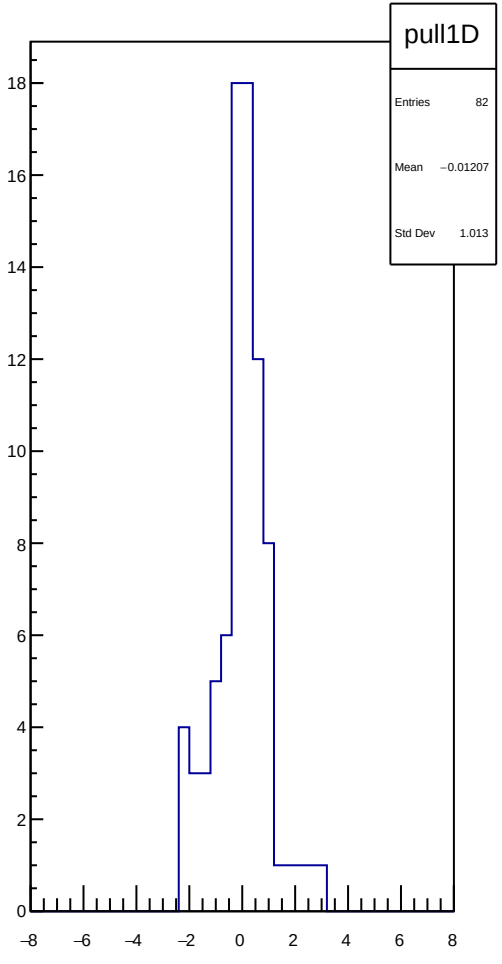

eigen_cor_asym_atl1r2_dd_rms vs run
χ^2 / ndf 225.4 / 81
p0 1892 ± 1.504
2000
1980
1960
1940
1920
1900
1880
1860
1840

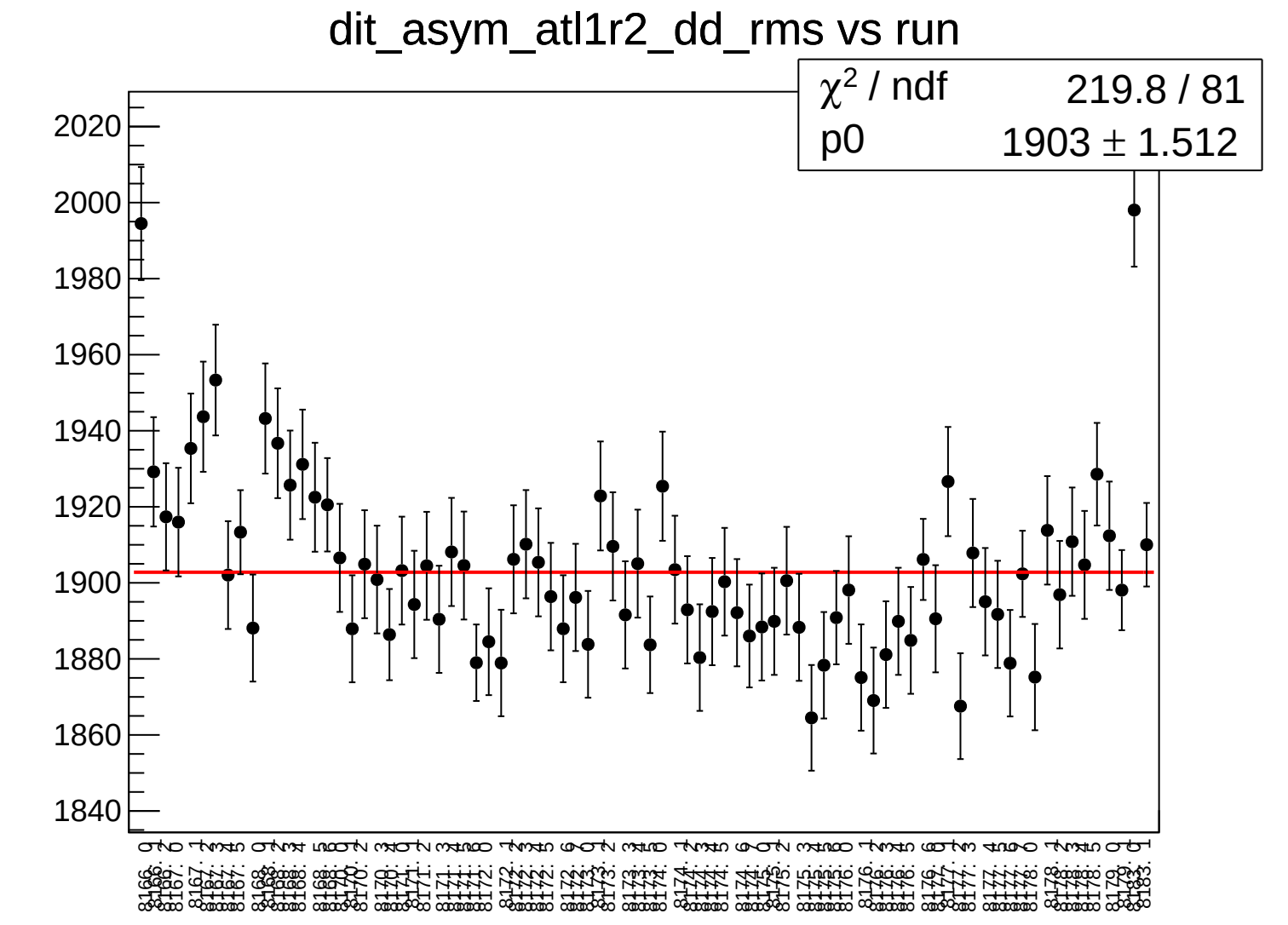

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.07 / 81
p0 −1140 ± 6991
300
200
100
0
−100
−200
pull
Entries 82
Mean 2063
Std Dev 0
3
2
1
0
−1
−2

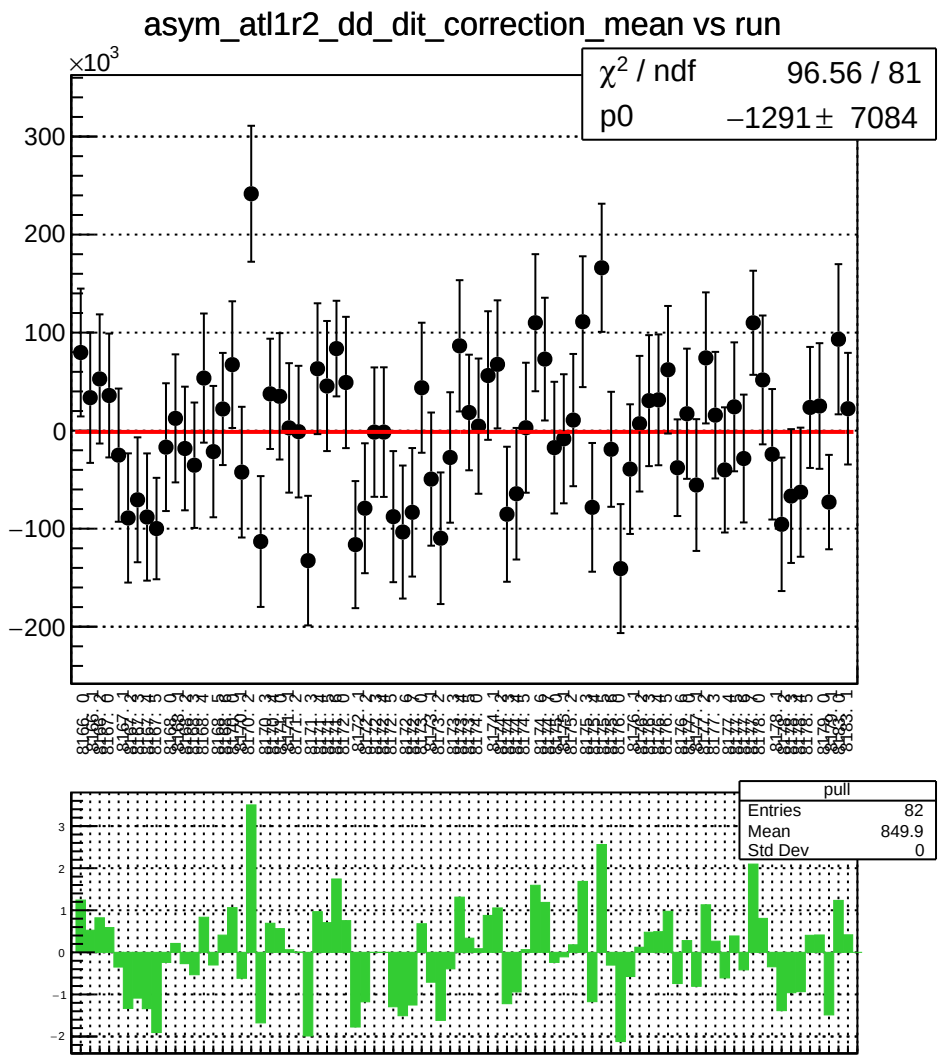

pull1D
Entries 82
Mean 0.0005131
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

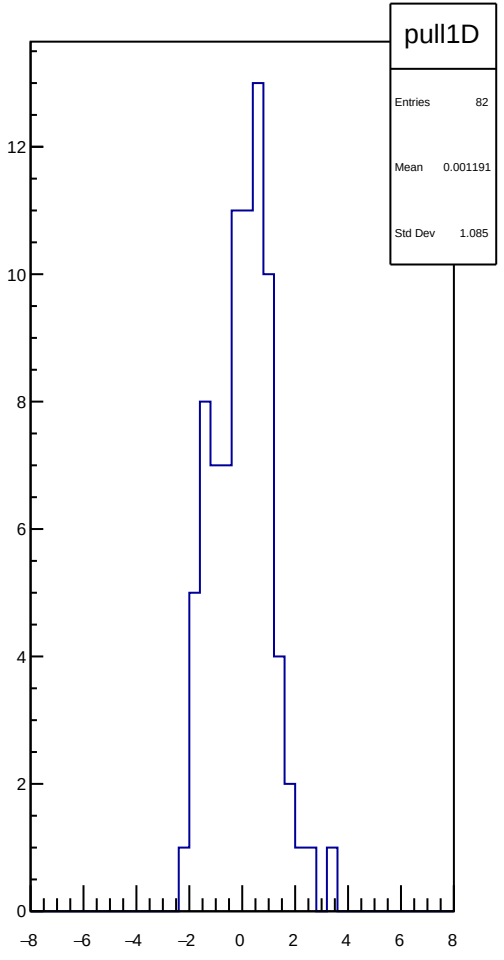

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1100 / 81
p0 6218 ± 4.944
7200
7000
6800
6600
6400
6200
6000
5800

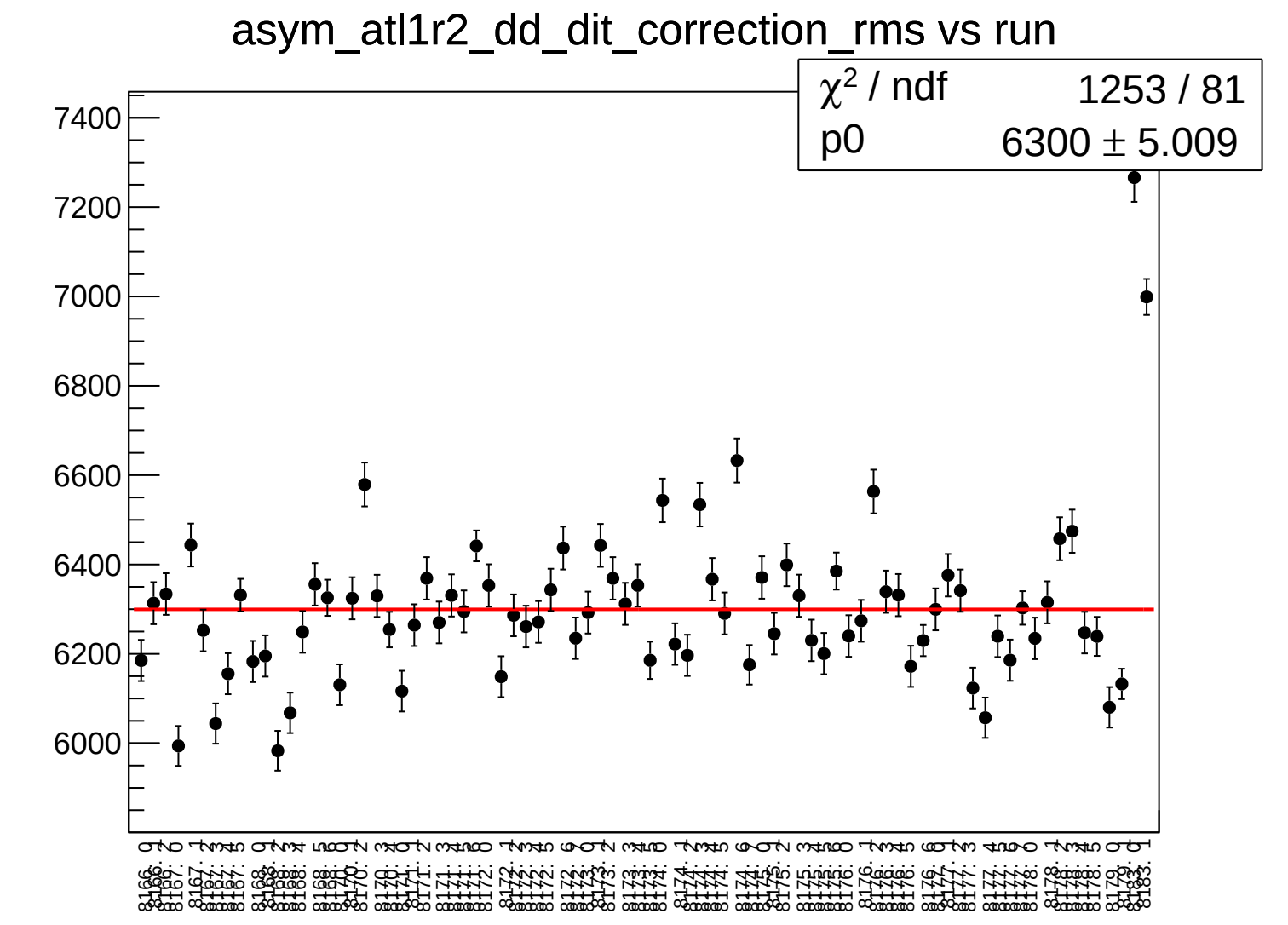

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 84.21 / 81
p0 −1713 ± 2139
pull
Entries 82
Mean 453.9
Std Dev 0

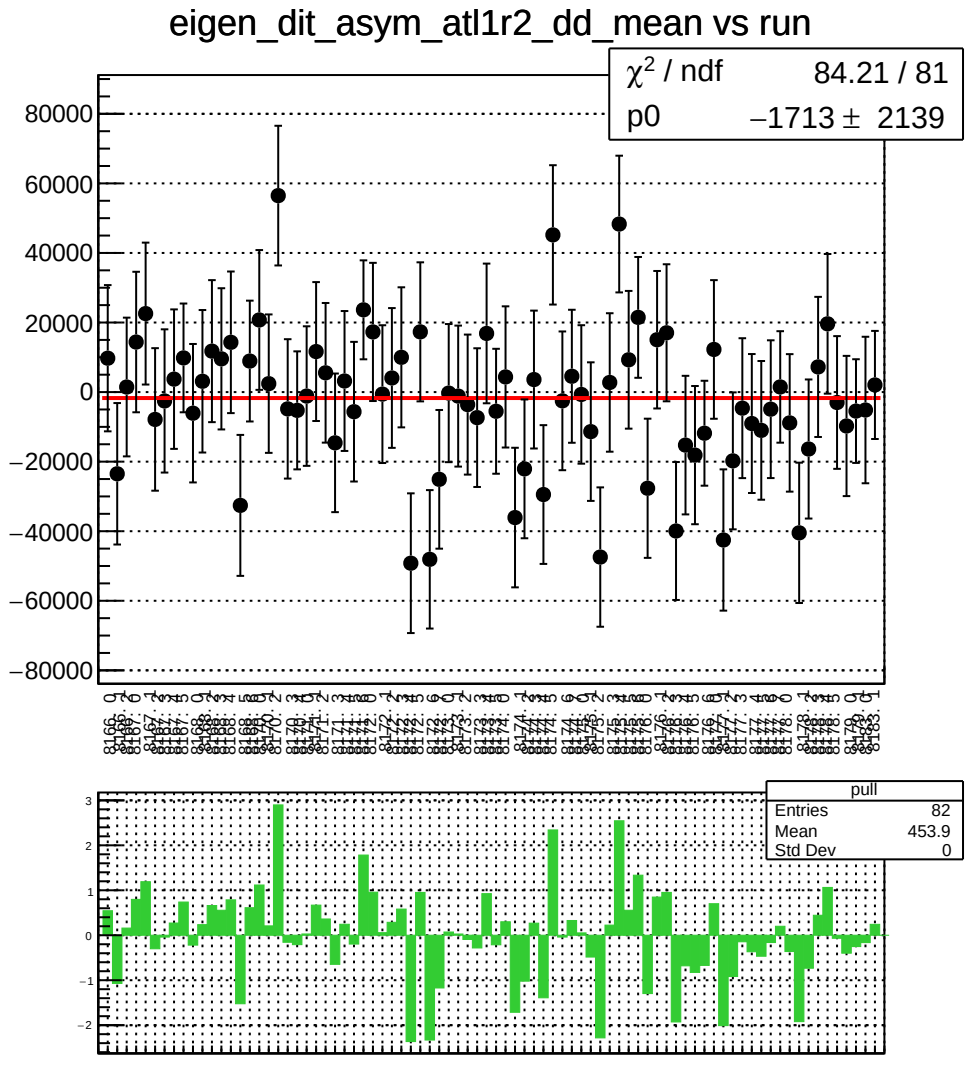

pull1D
Entries 82
Mean −0.01207
Std Dev 1.013

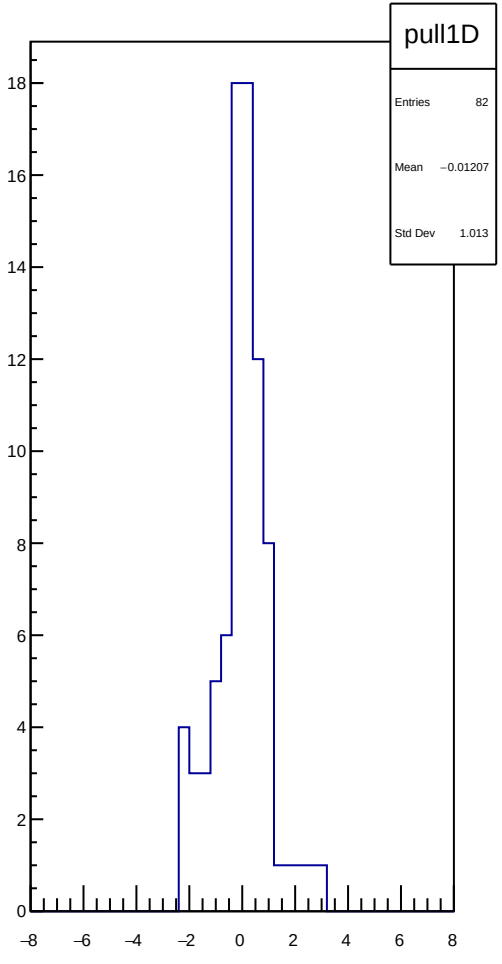

dit_asym_atl1r2_dd_rms vs run
χ^2 / ndf 219.8 / 81
p0 1903 ± 1.512
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

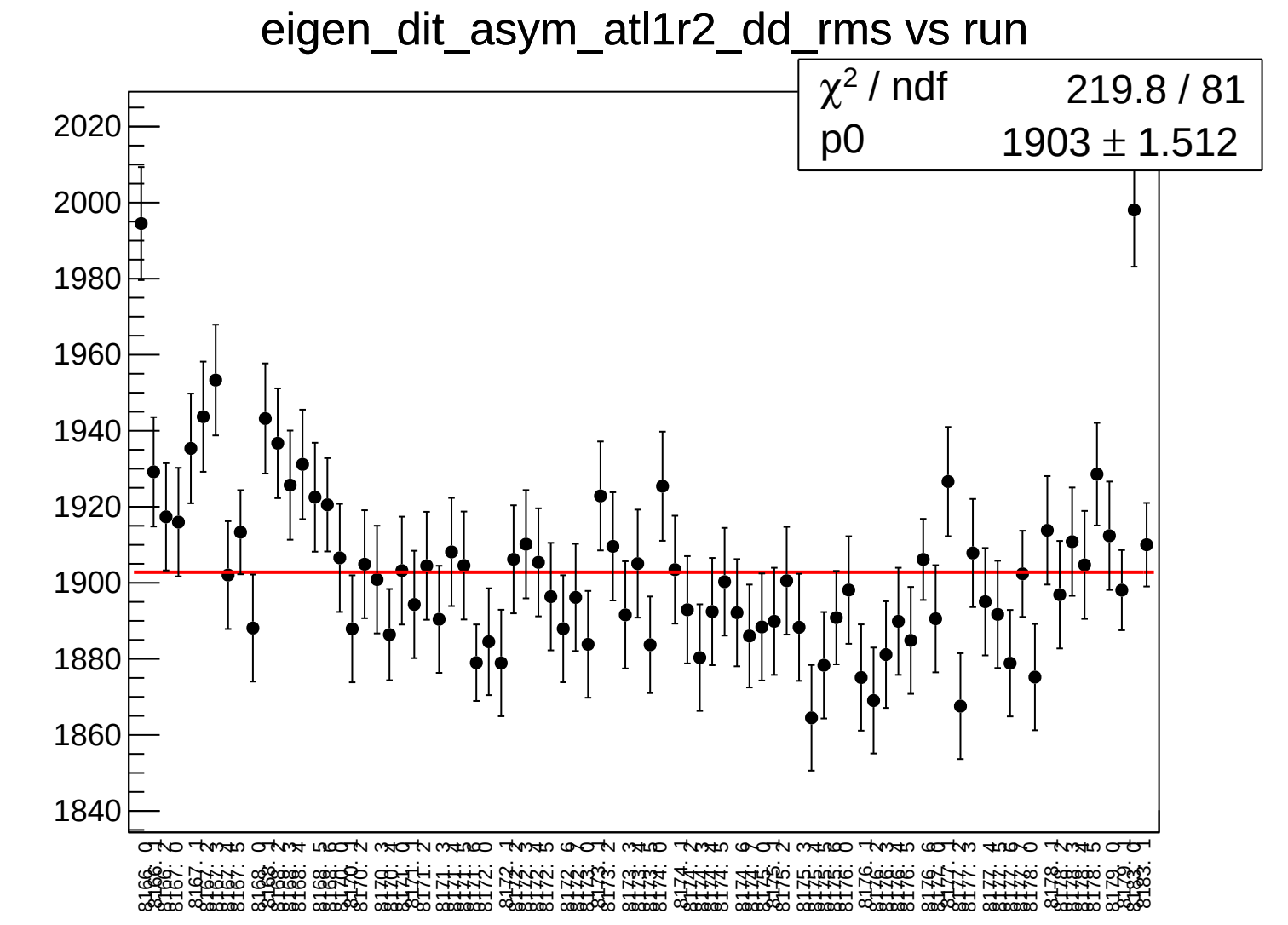

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 96.56 / 81
p0 −1291 ± 7084
300
200
100
0
−100
−200
pull
Entries 82
Mean 849.9
Std Dev 0
3
2
1
0
−1
−2

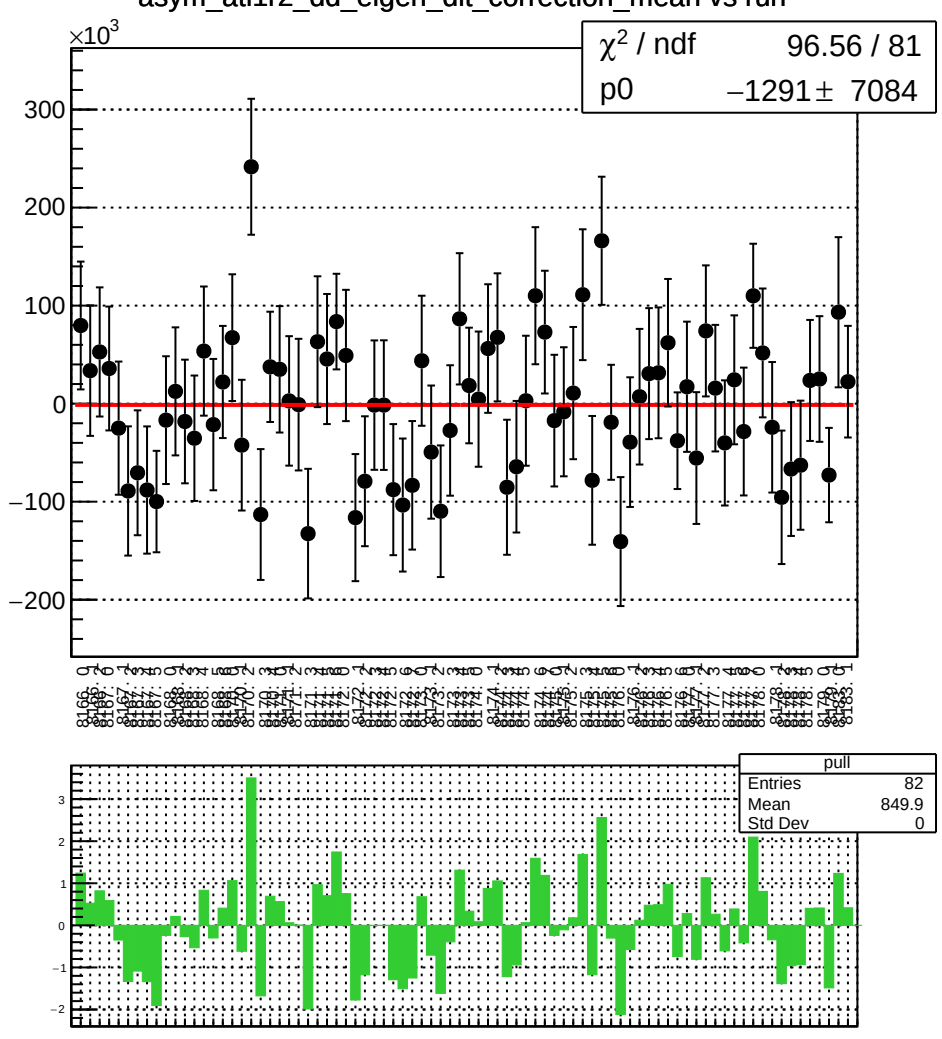

pull1D
Entries 82
Mean 0.001191
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

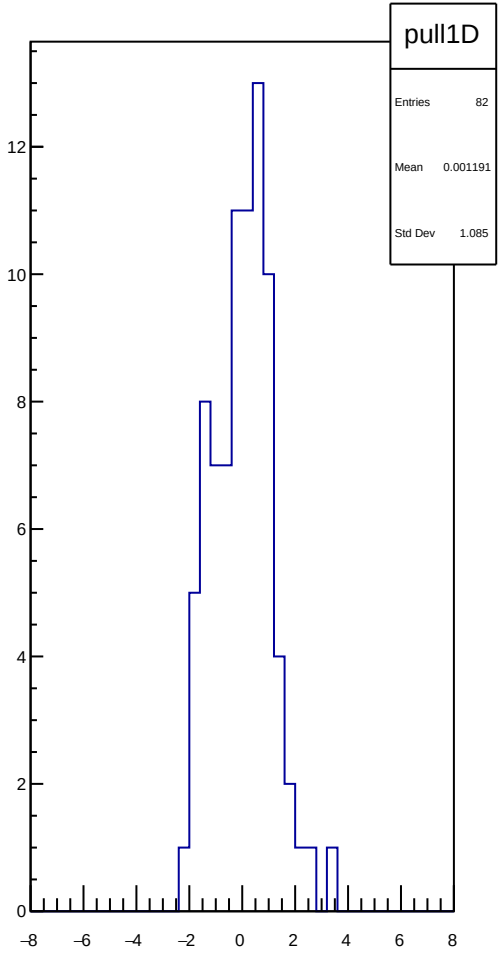

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 1253 / 81
p0 6300 ± 5.009
7400
7200
7000
6800
6600
6400
6200
6000

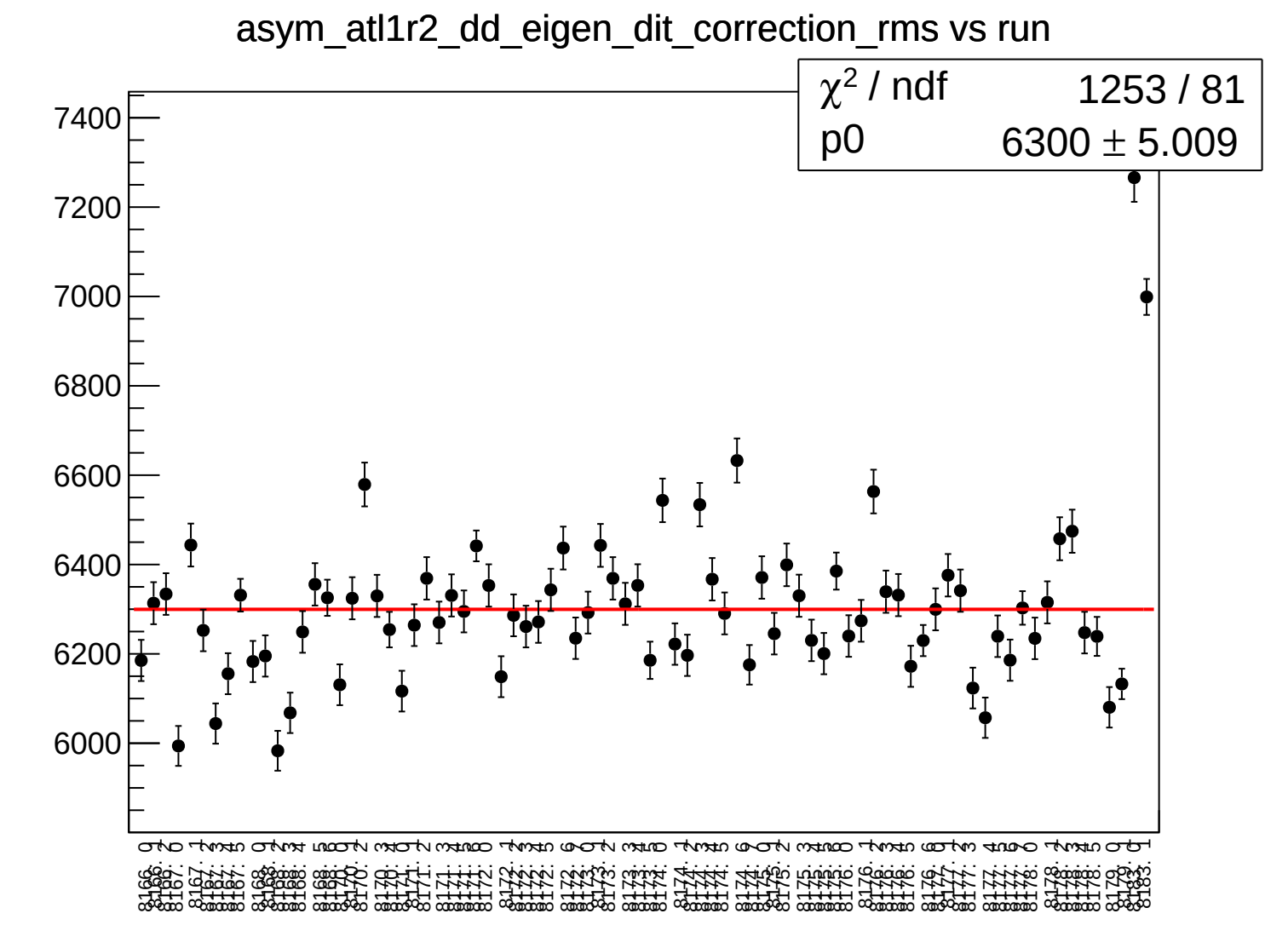

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 84.21 / 81
p0 −1713 ± 2139
pull
Entries 82
Mean 453.9
Std Dev 0

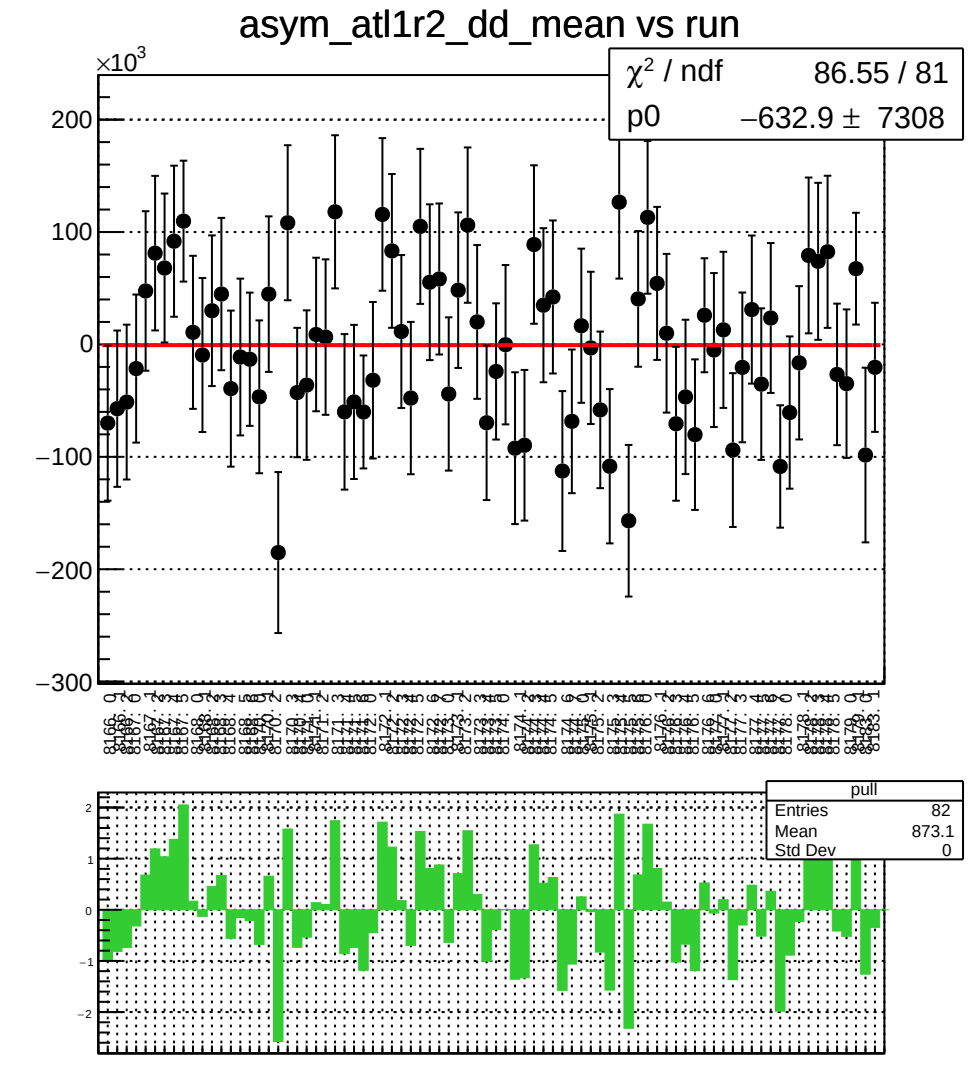

pull1D
Entries 82
Mean −0.01207
Std Dev 1.013

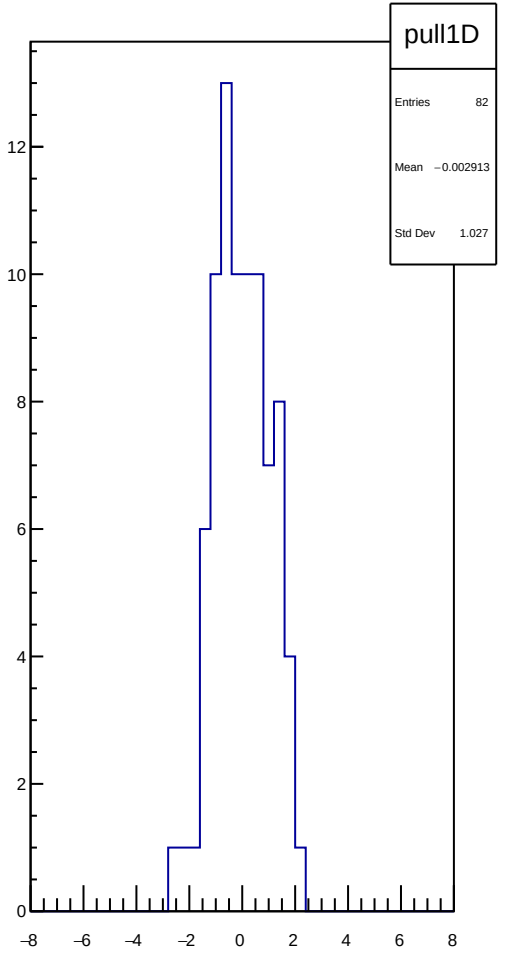

eigen_dit_asym_atl1r2_dd_rms vs run
χ^2 / ndf 219.8 / 81
p0 1903 ± 1.512
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

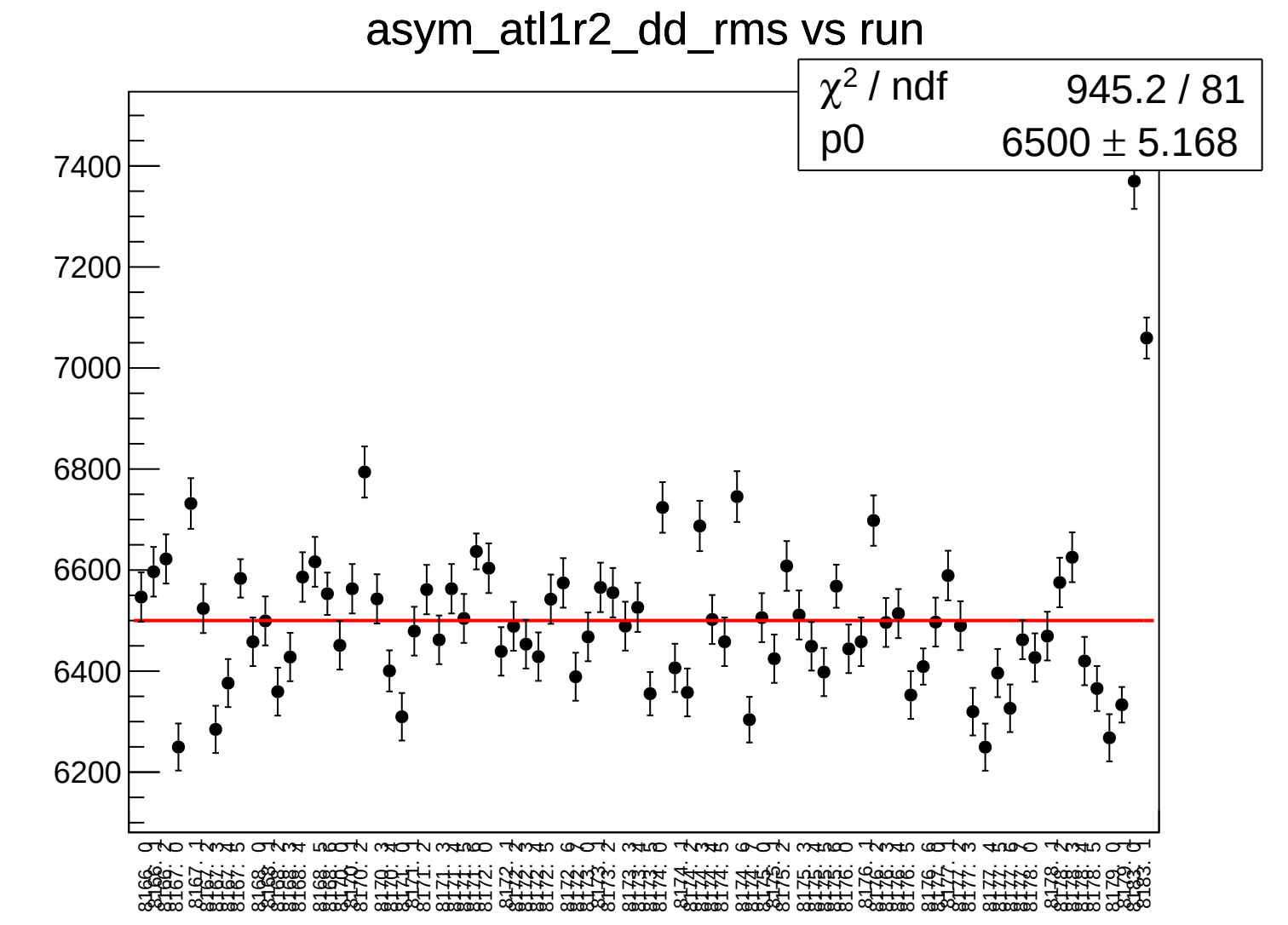

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.56 / 81
p0 −1291 ± 7084
300
200
100
0
−100
−200
pull
Entries 82
Mean 849.9
Std Dev 0
3
2
1
0
−1
−2

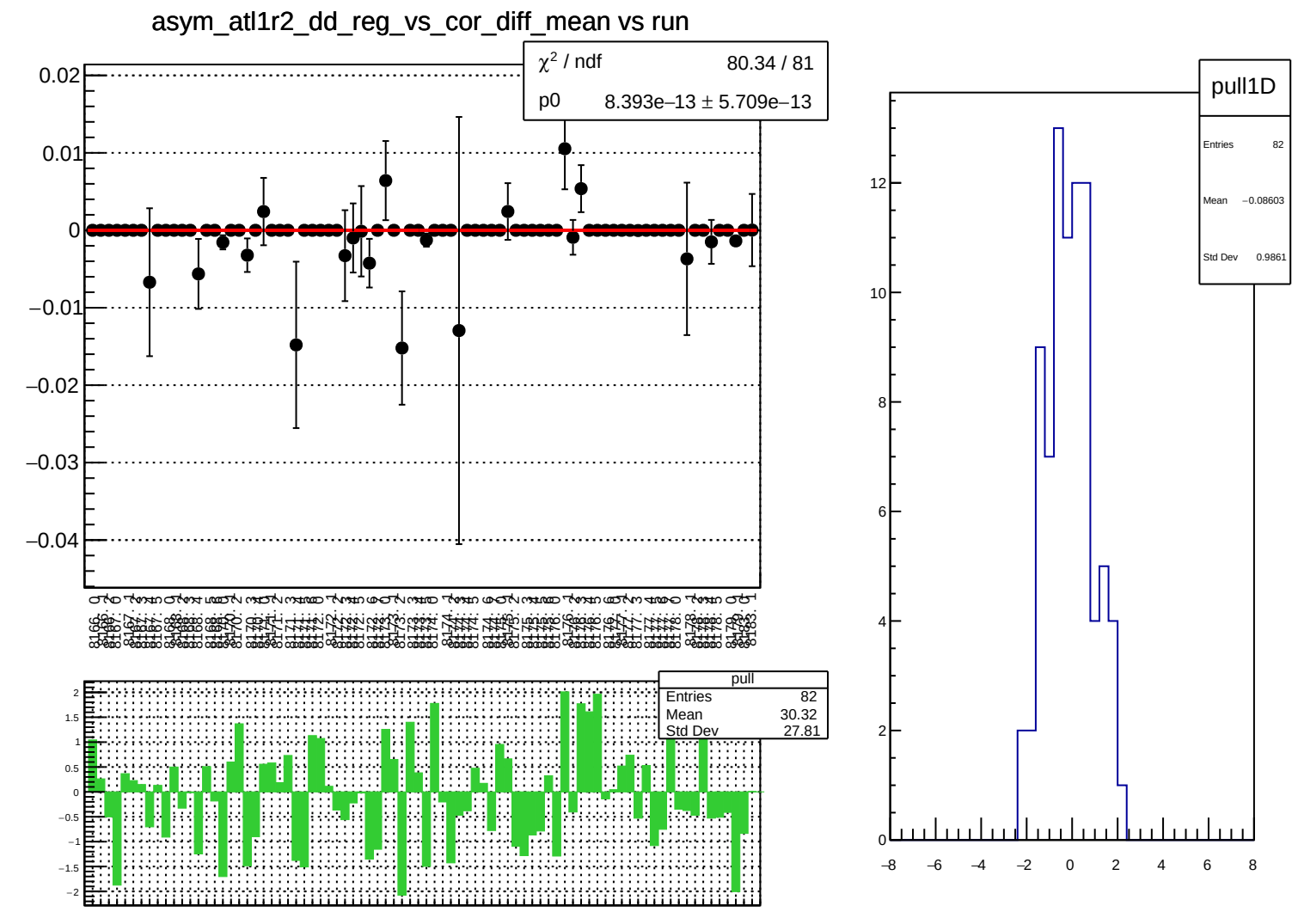

pull1D
Entries 82
Mean 0.001191
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

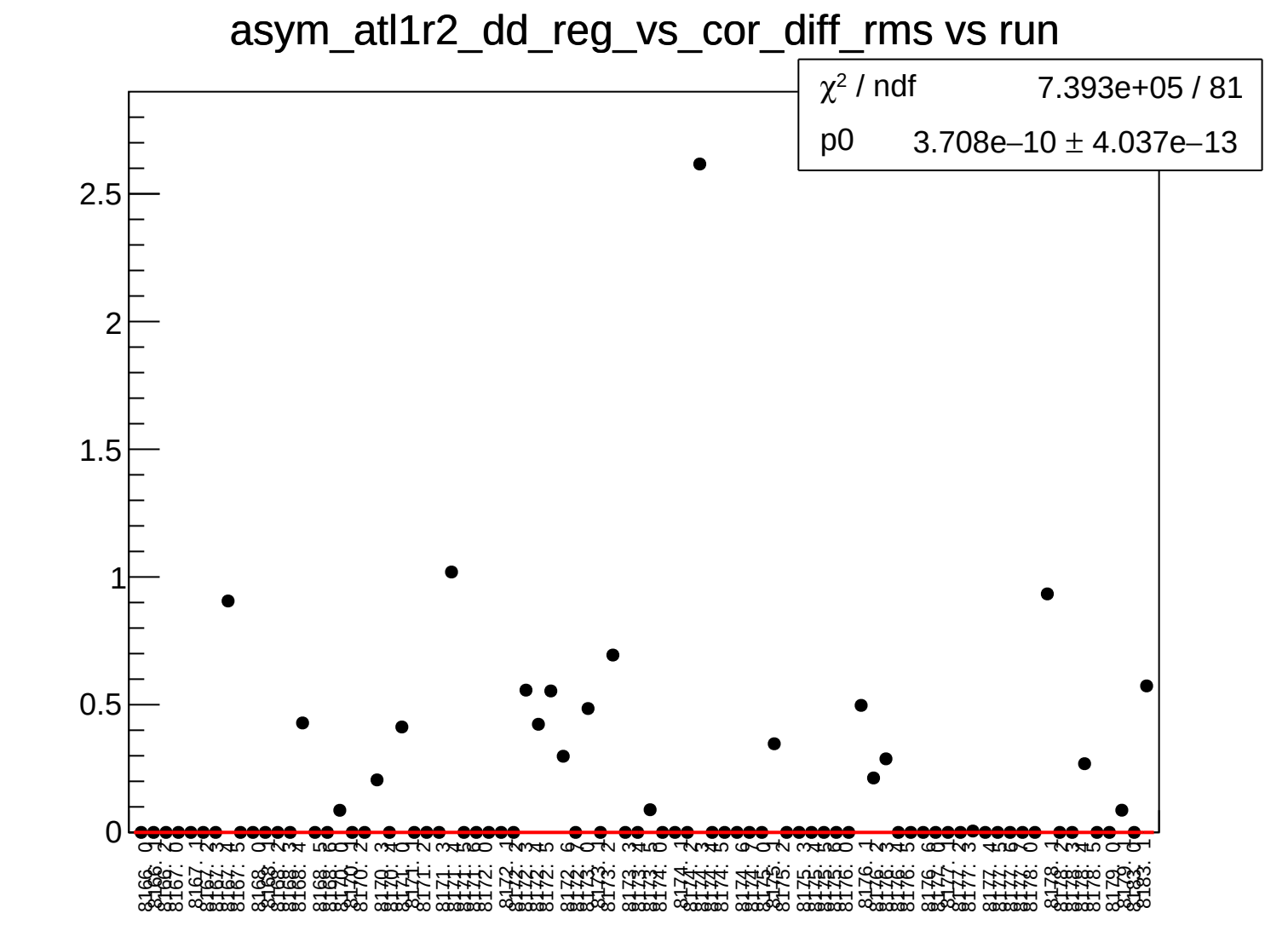

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1253 / 81
p0 6300 ± 5.009
7400
7200
7000
6800
6600
6400
6200
6000

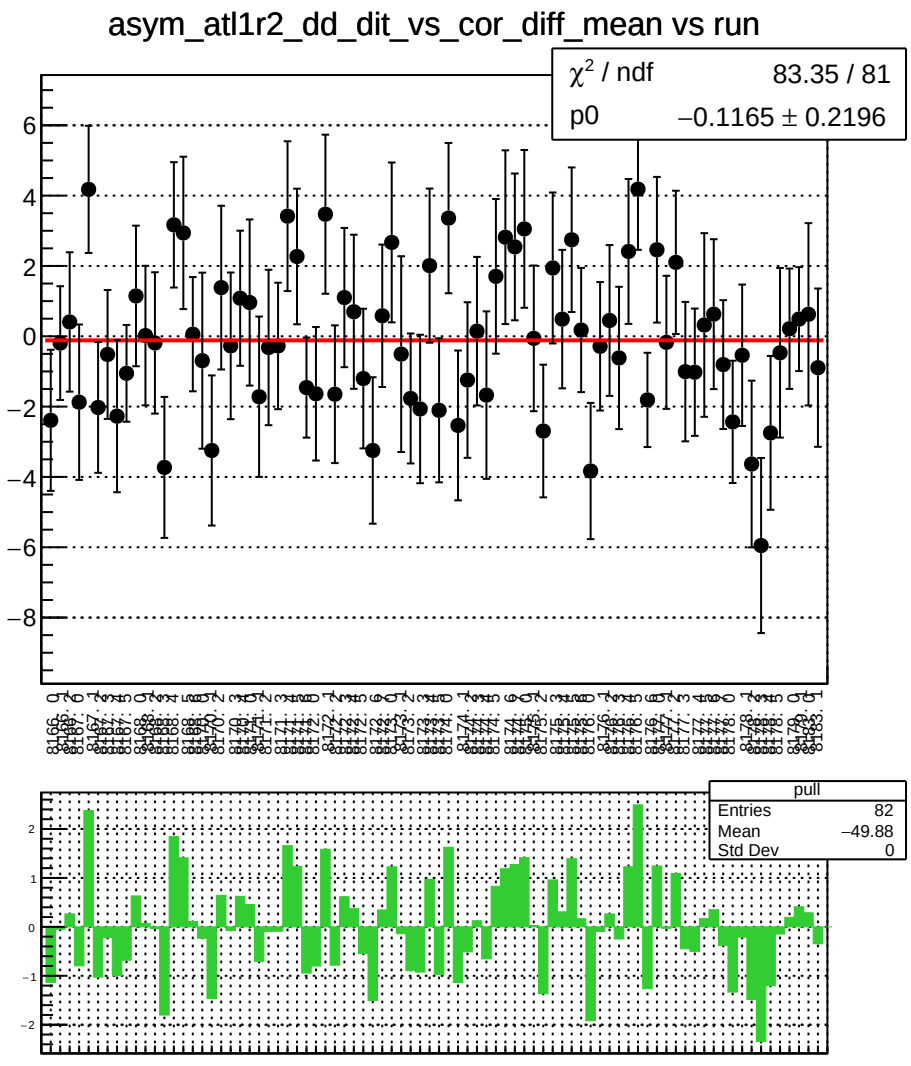

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 86.55 / 81
p0 −632.9 ± 7308
200
100
0
−100
−200
−300
pull
Entries 82
Mean 873.1
Std Dev 0
2
1
0
−1
−2

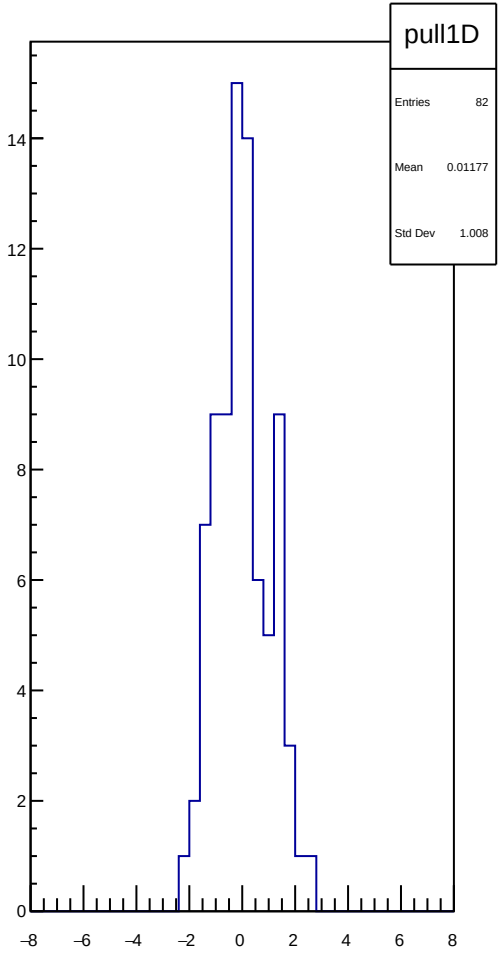

pull1D
Entries 82
Mean −0.002913
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

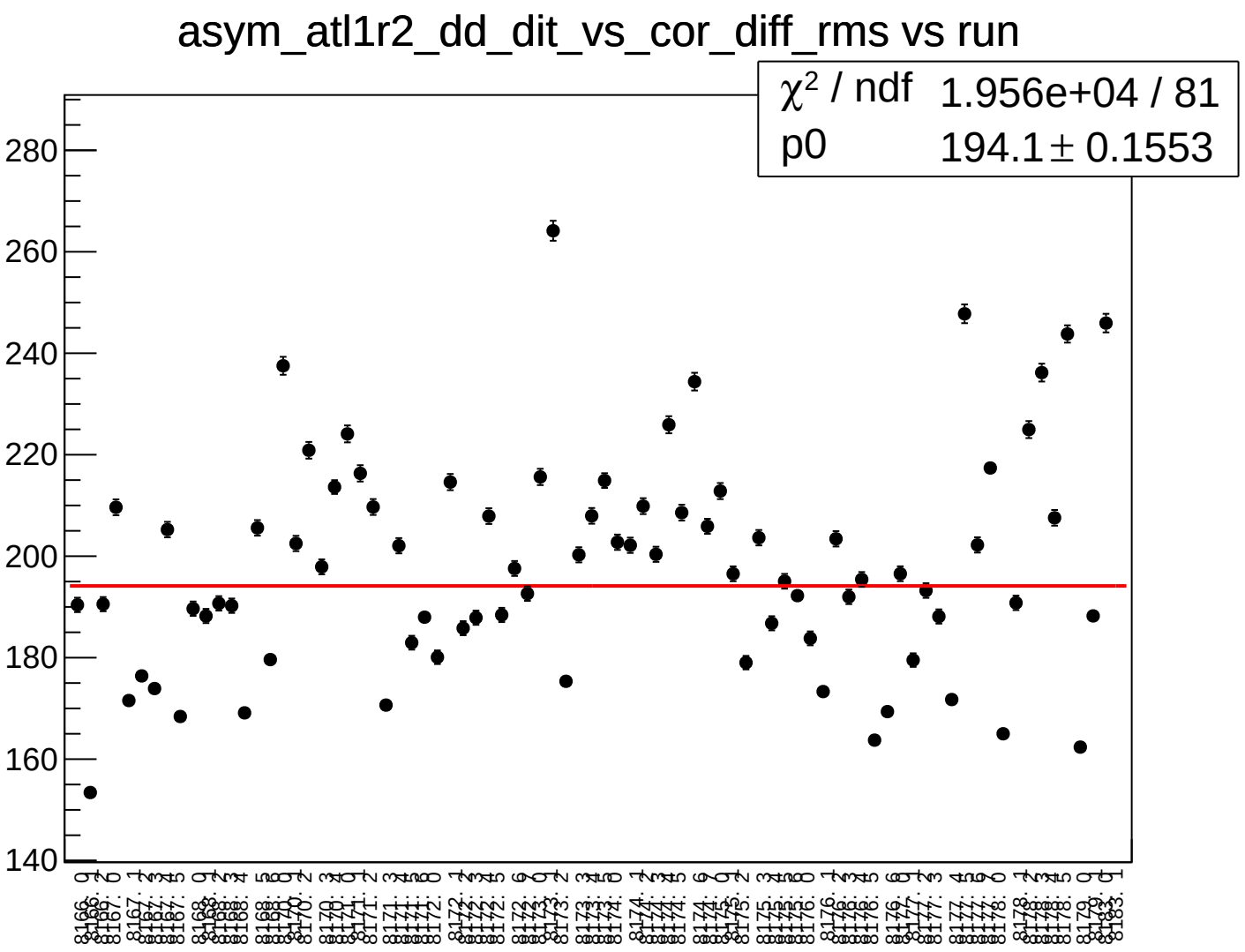

asym_atl1r2_dd_rms vs run
χ^2 / ndf 945.2 / 81
p0 6500 ± 5.168
7400
7200
7000
6800
6600
6400
6200

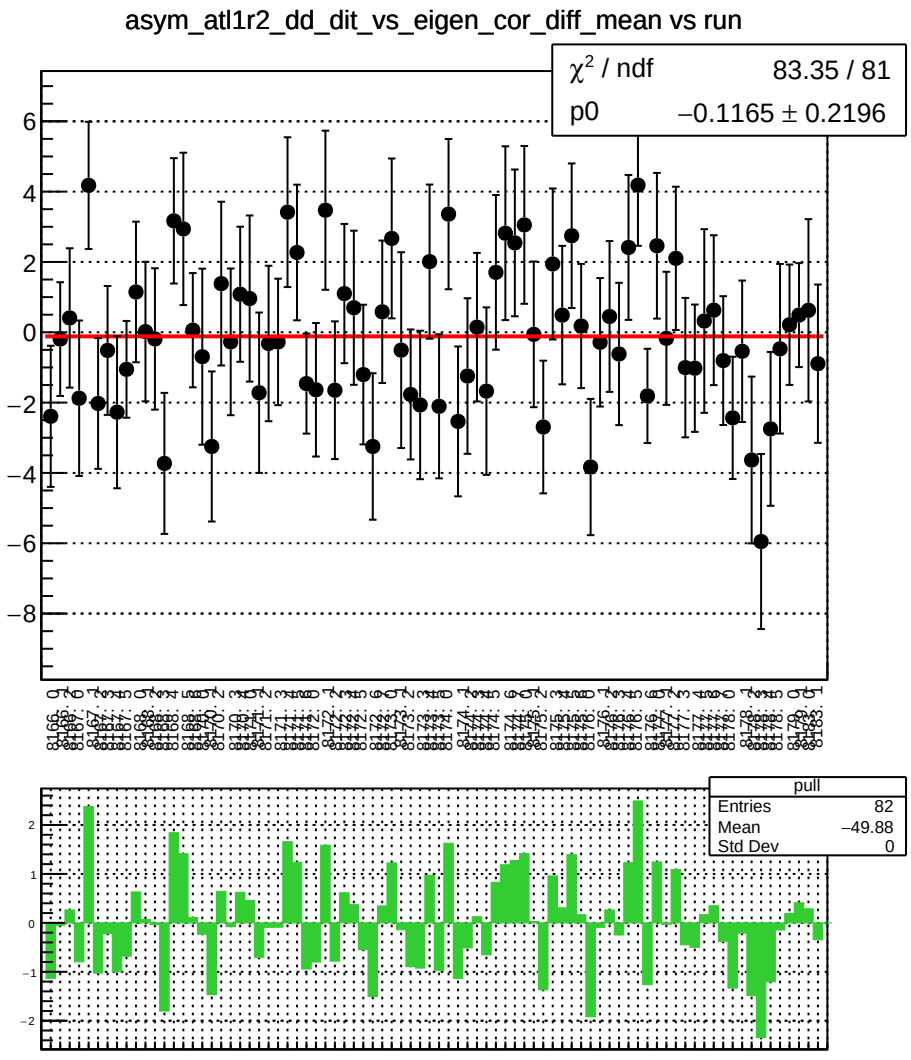

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.34 / 81
p0 8.393e−13 ± 5.709e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 82
Mean 30.32
Std Dev 27.81
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.08603
Std Dev 0.9861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

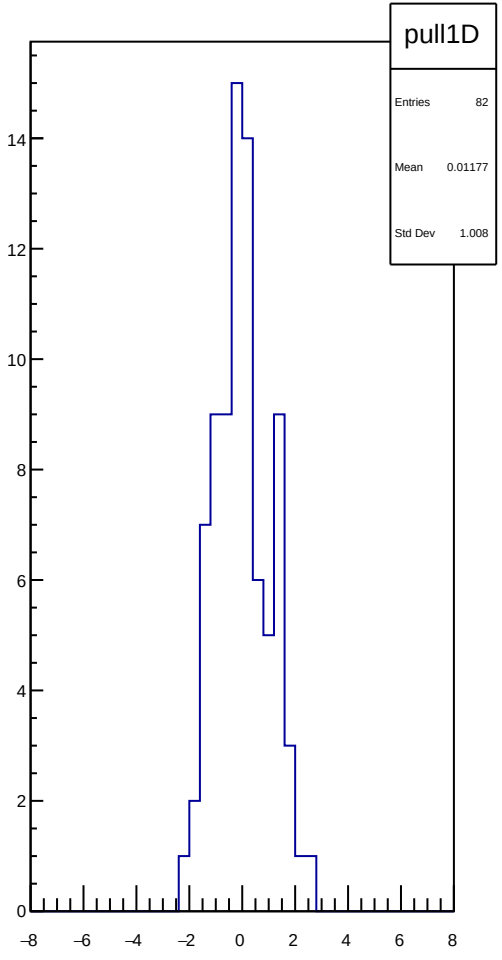

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.393e+05 / 81
p0 3.708e−10 ± 4.037e−13
2.5
2
1.5
1
0.5
0

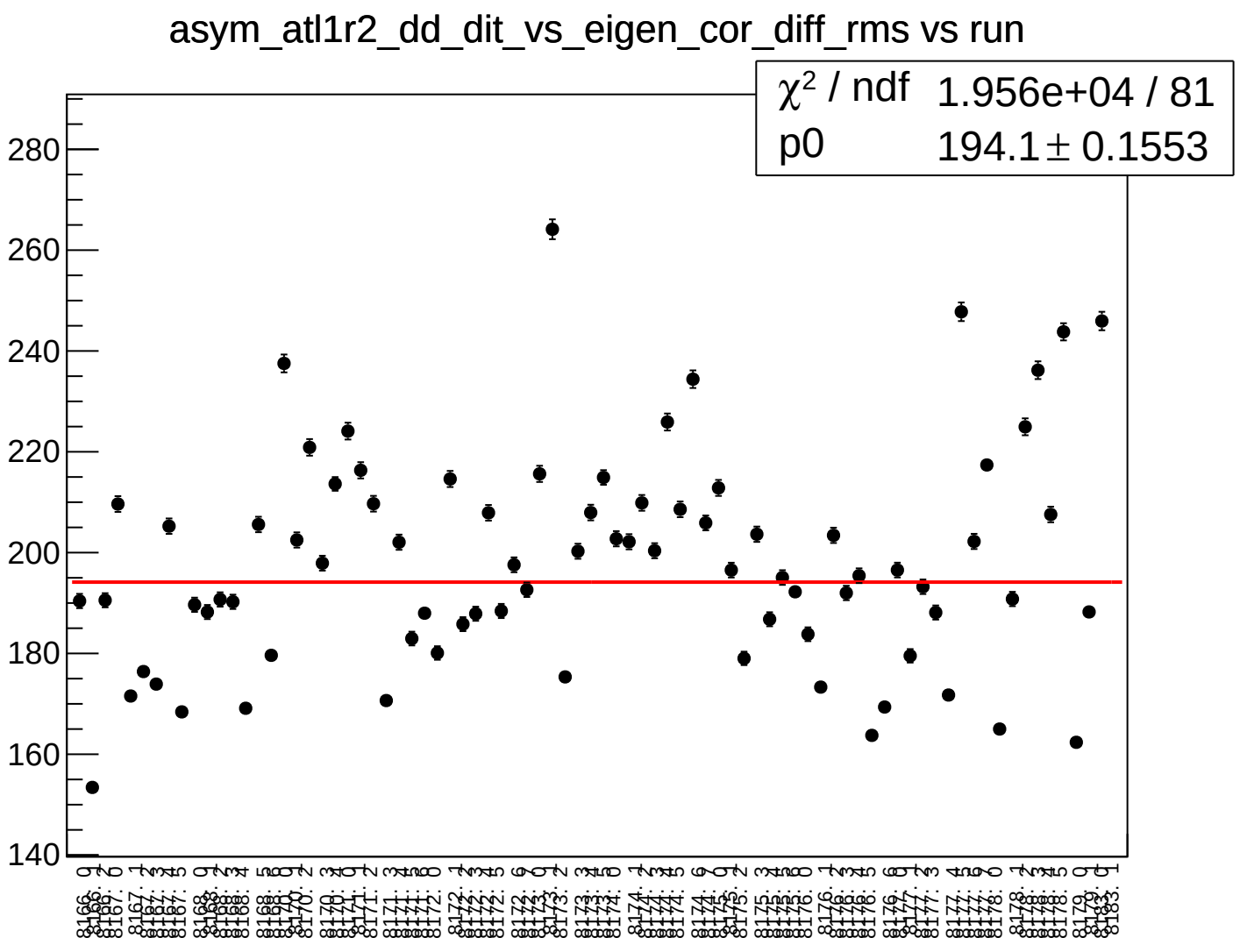

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.35 / 81
p0 −0.1165 ± 0.2196
pull
Entries 82
Mean −49.88
Std Dev 0

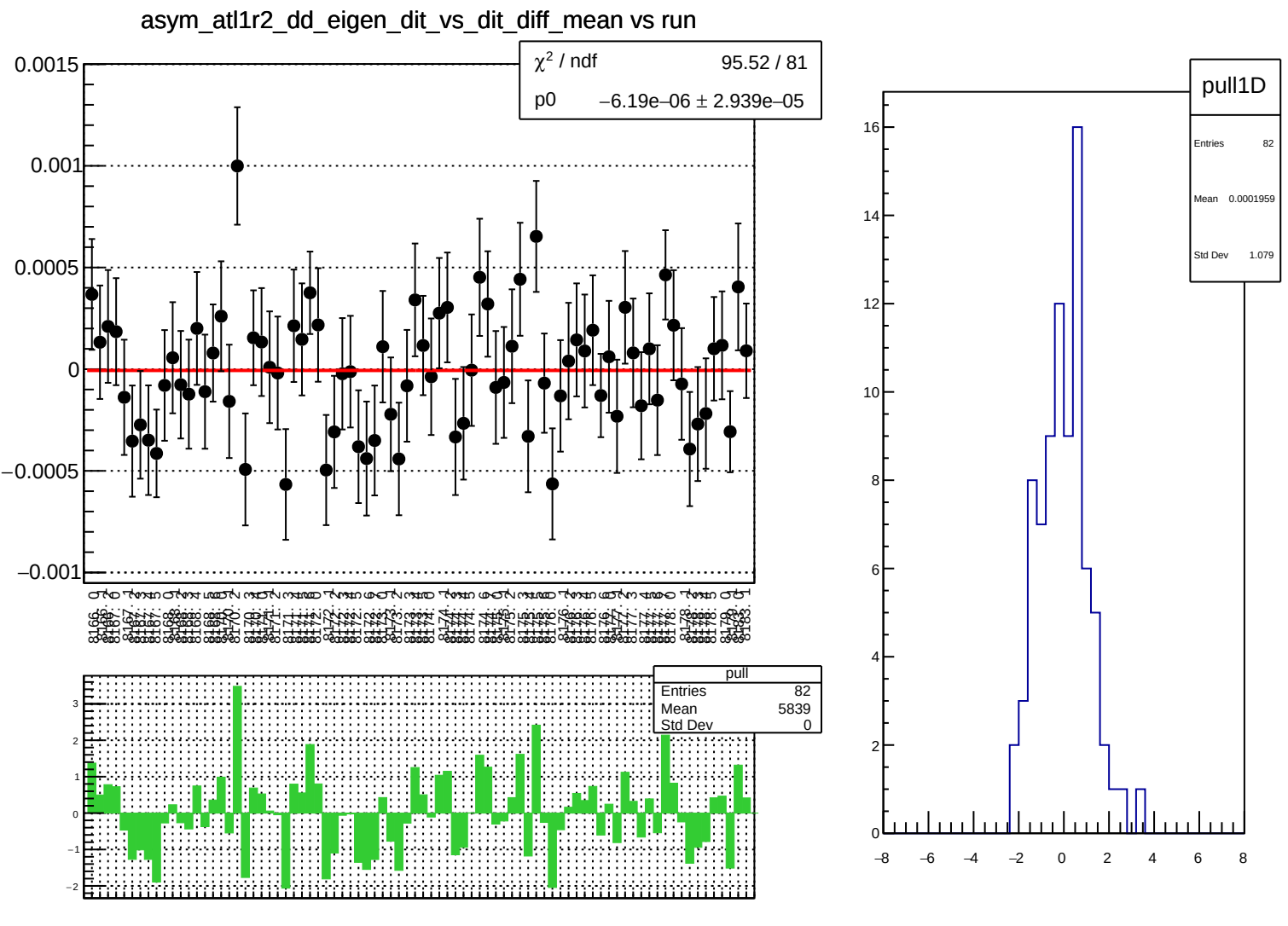

pull1D
Entries 82
Mean 0.01177
Std Dev 1.008

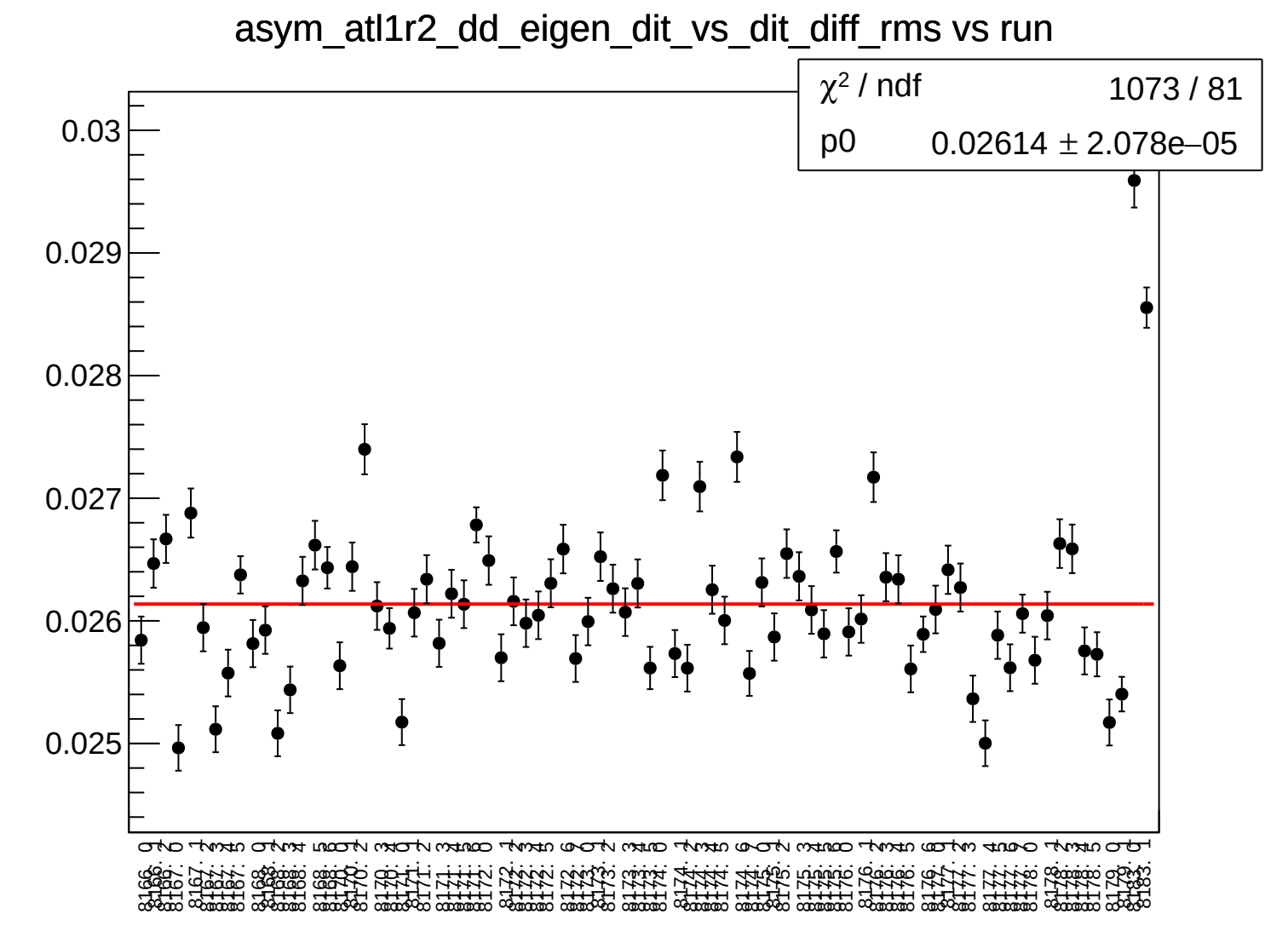

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.956e+04 / 81
p0 194.1 ± 0.1553
280
260
240
220
200
180
160
140

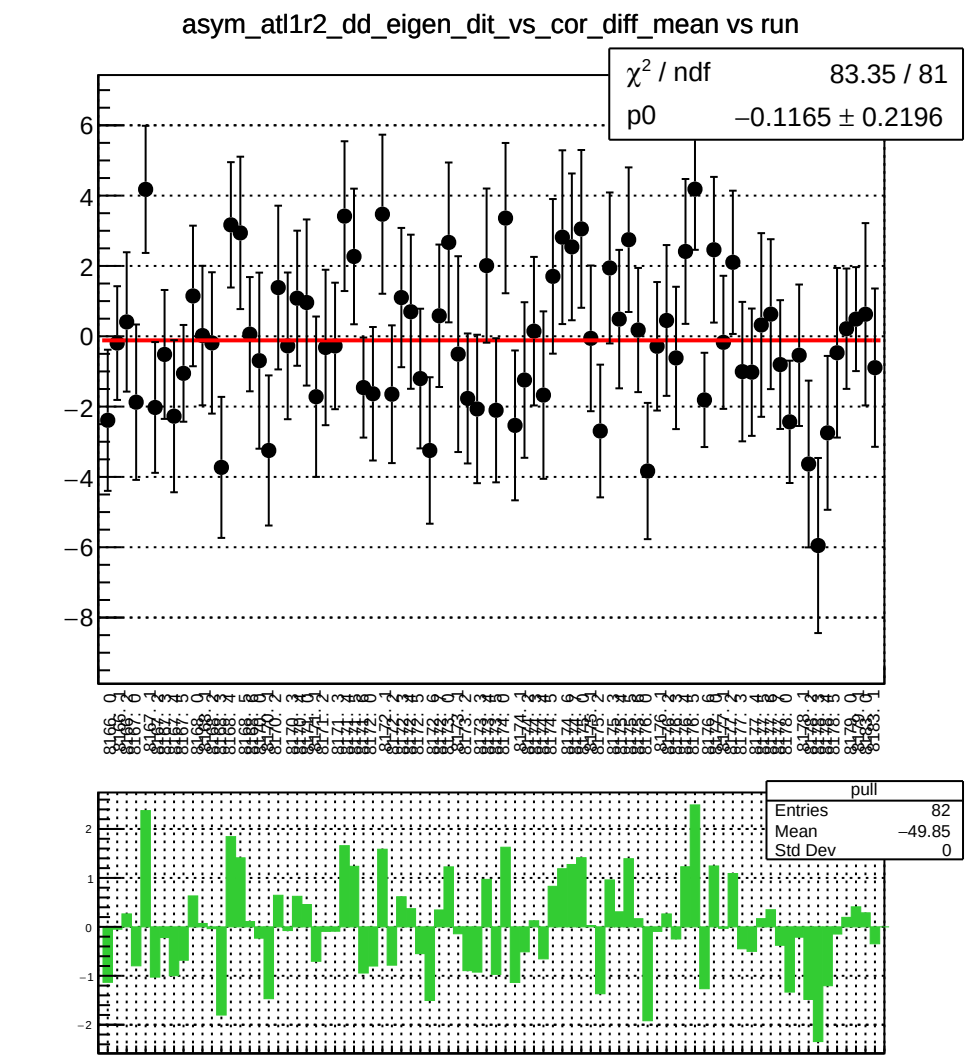

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.35 / 81
p0 −0.1165 ± 0.2196
pull
Entries 82
Mean −49.88
Std Dev 0

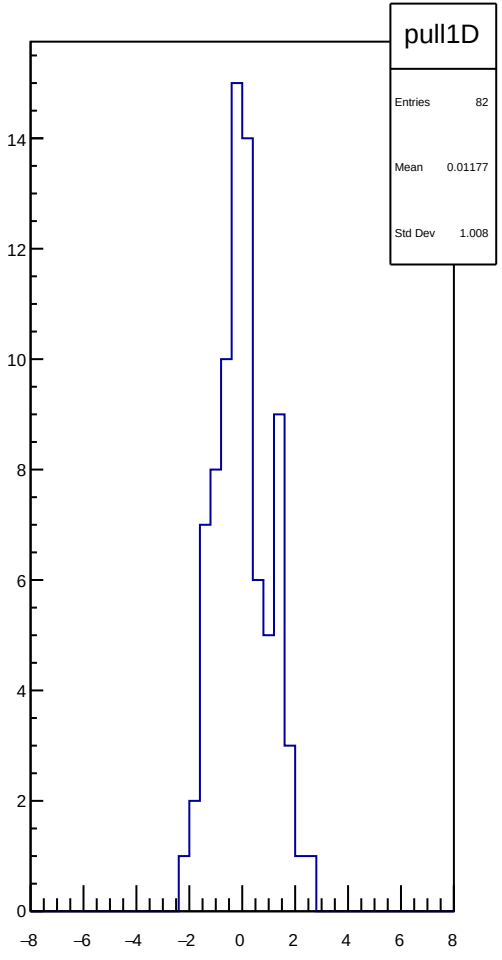

pull1D
Entries 82
Mean 0.01177
Std Dev 1.008

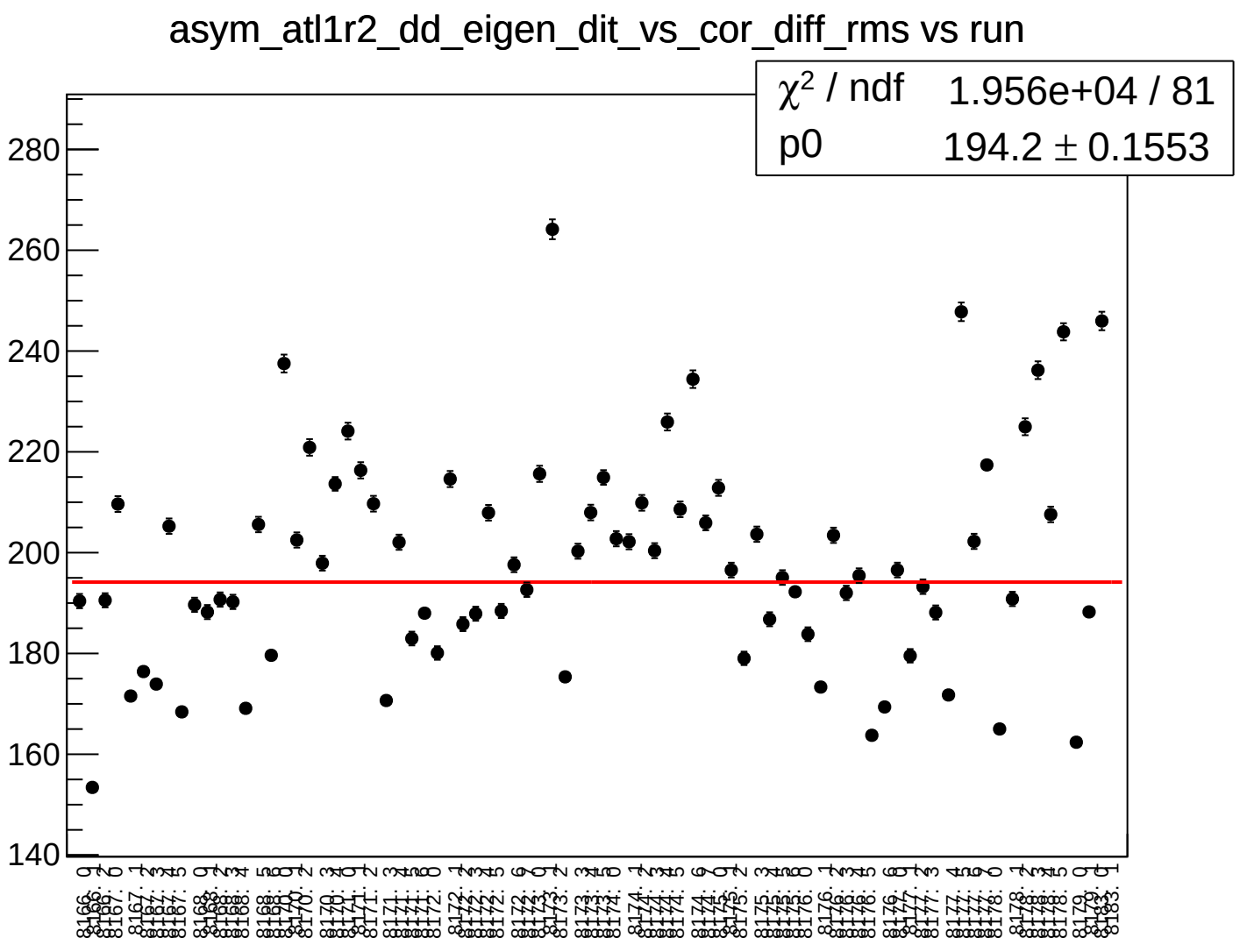

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.956e+04 / 81
p0 194.1 ± 0.1553
280
260
240
220
200
180
160
140

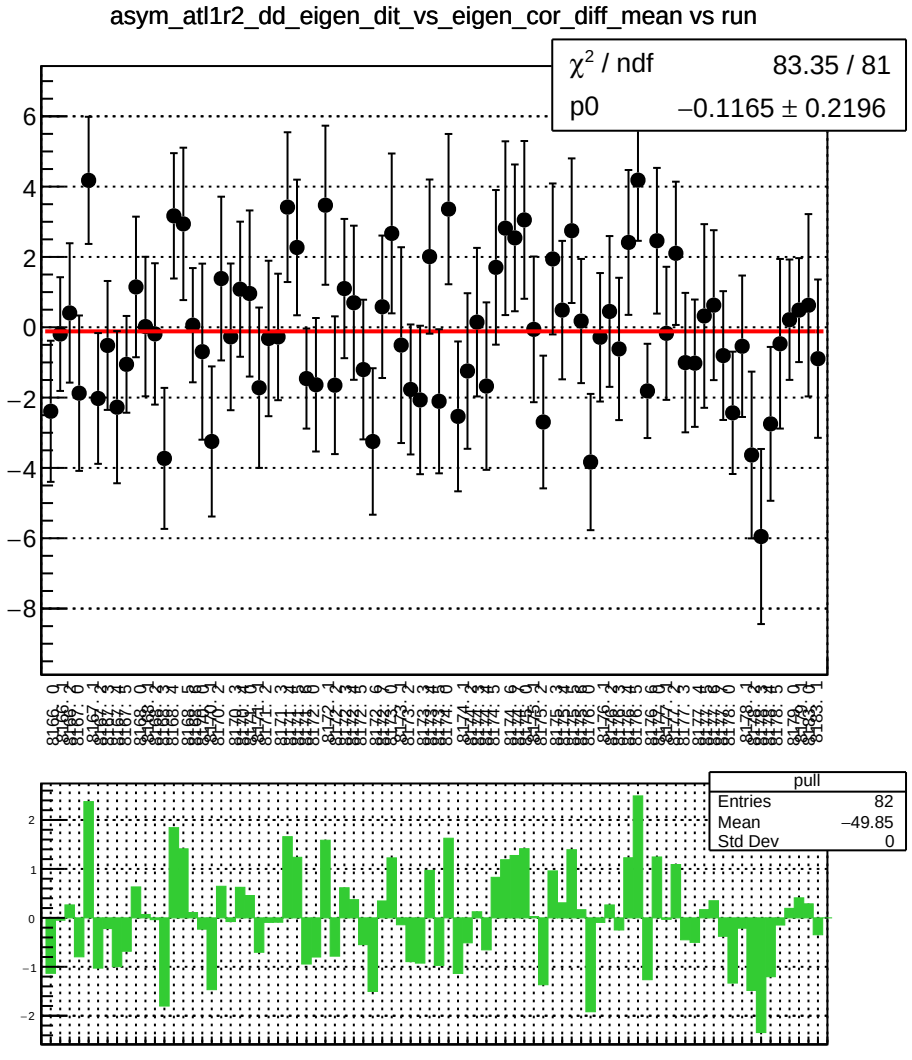

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.52 / 81
p0 −6.19e−06 ± 2.939e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 82
Mean 5839
Std Dev 0
pull1D
Entries 82
Mean 0.0001959
Std Dev 1.079

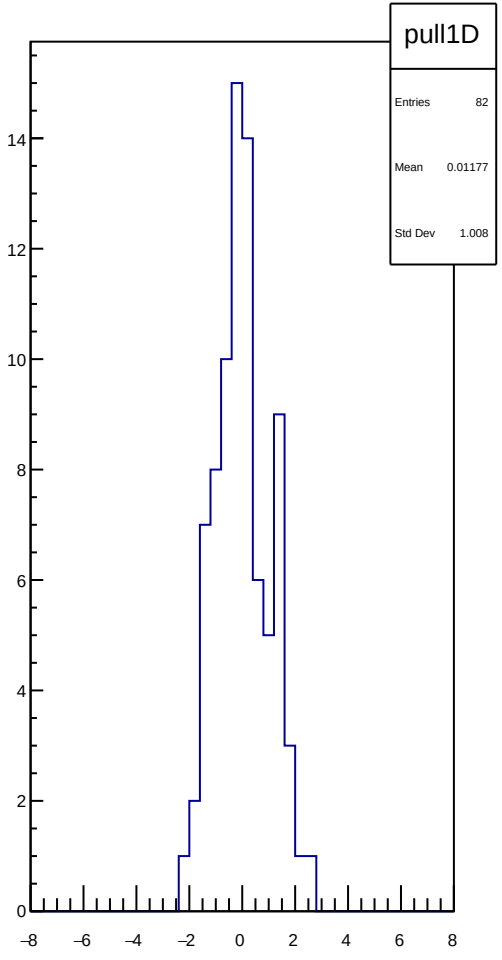

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1073 / 81
p0 0.02614 ± 2.078e–05
0.03
0.029
0.028
0.027
0.026
0.025

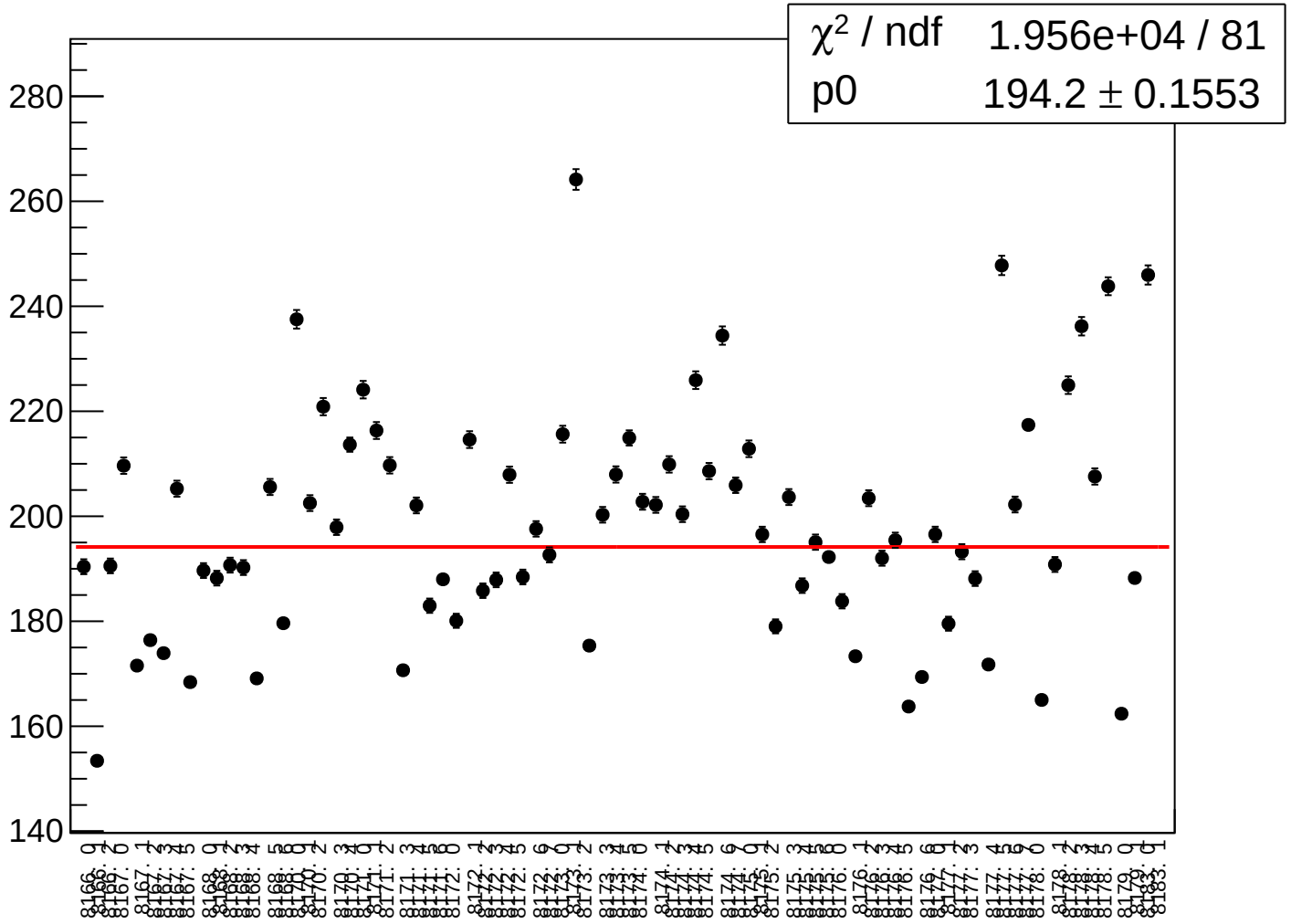

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.35 / 81
p0 −0.1165 ± 0.2196
pull
Entries 82
Mean −49.85
Std Dev 0

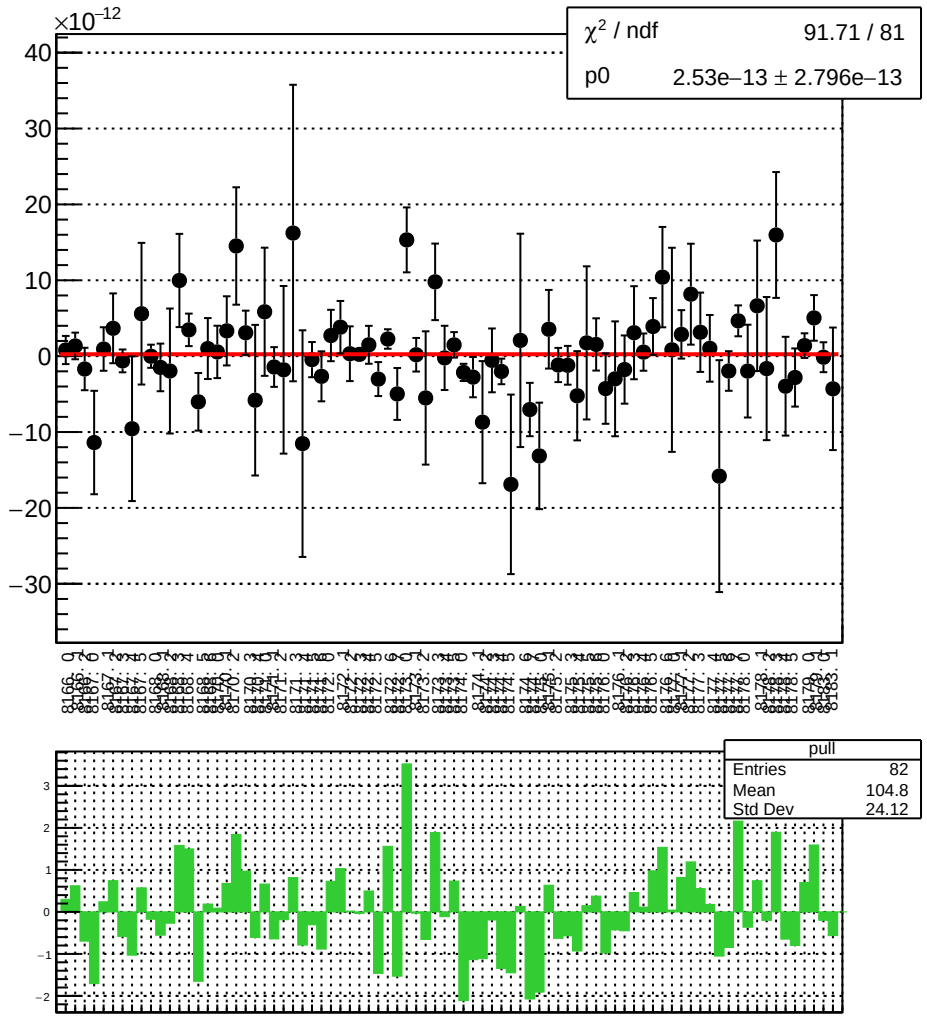

pull1D
Entries 82
Mean 0.01177
Std Dev 1.008

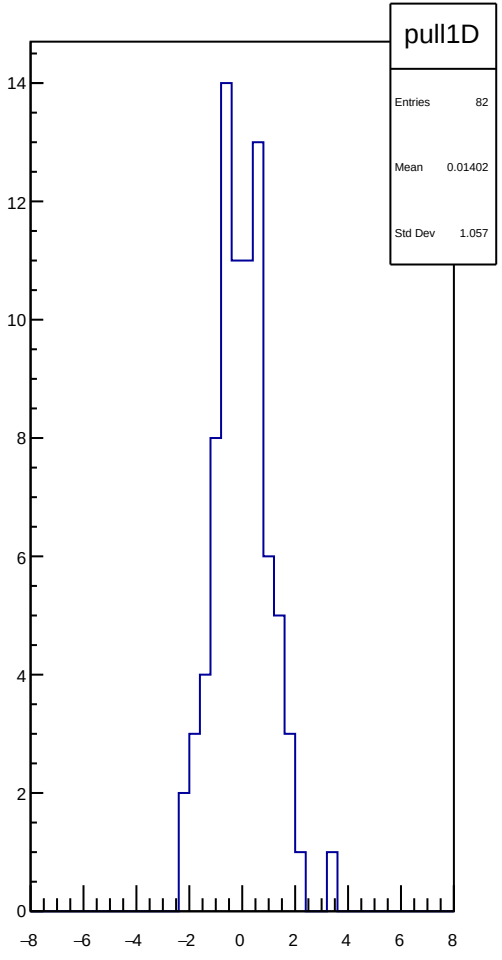

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.956e+04 / 81
p0 194.2 ± 0.1553
280
260
240
220
200
180
160
140

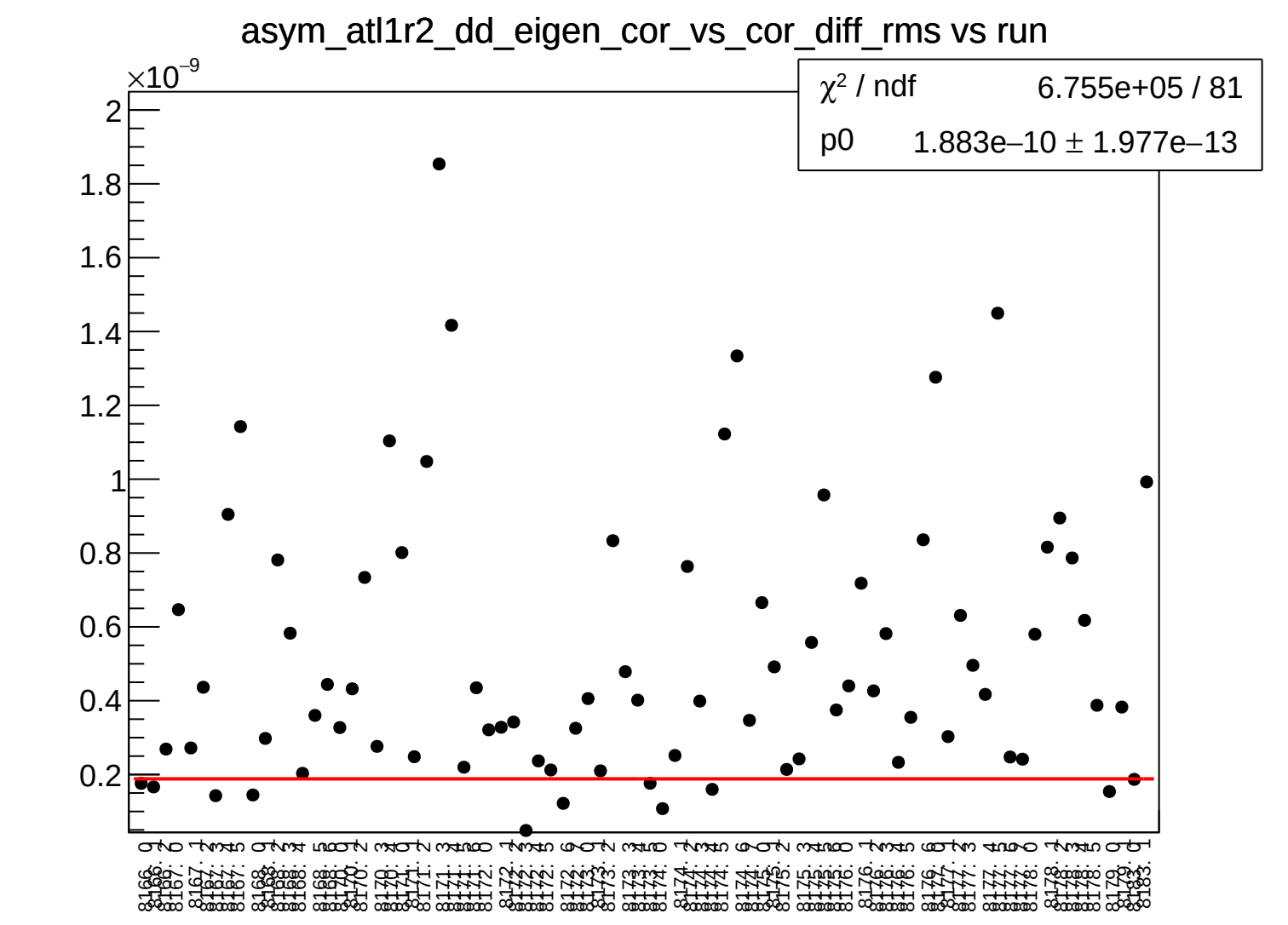

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.35 / 81
p0 −0.1165 ± 0.2196
pull
Entries 82
Mean −49.85
Std Dev 0

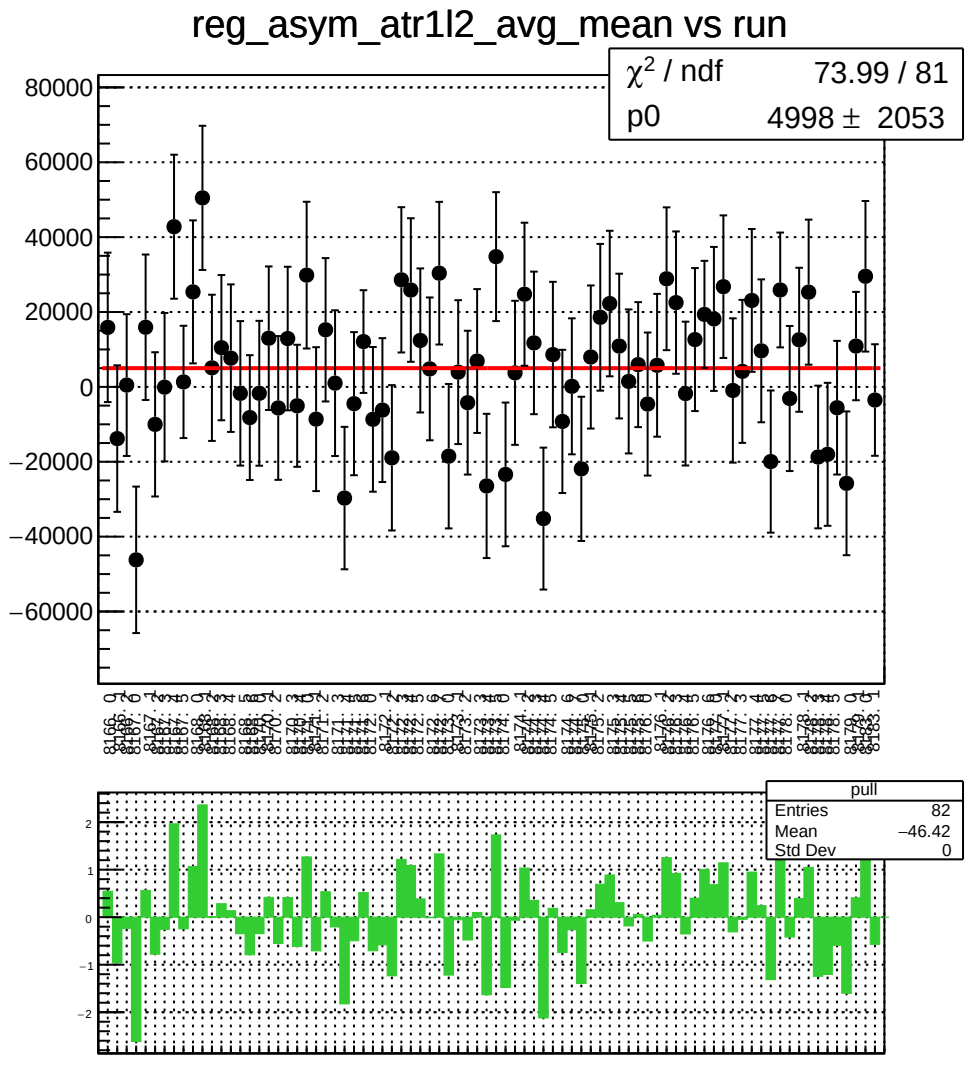

pull1D
Entries 82
Mean 0.01177
Std Dev 1.008

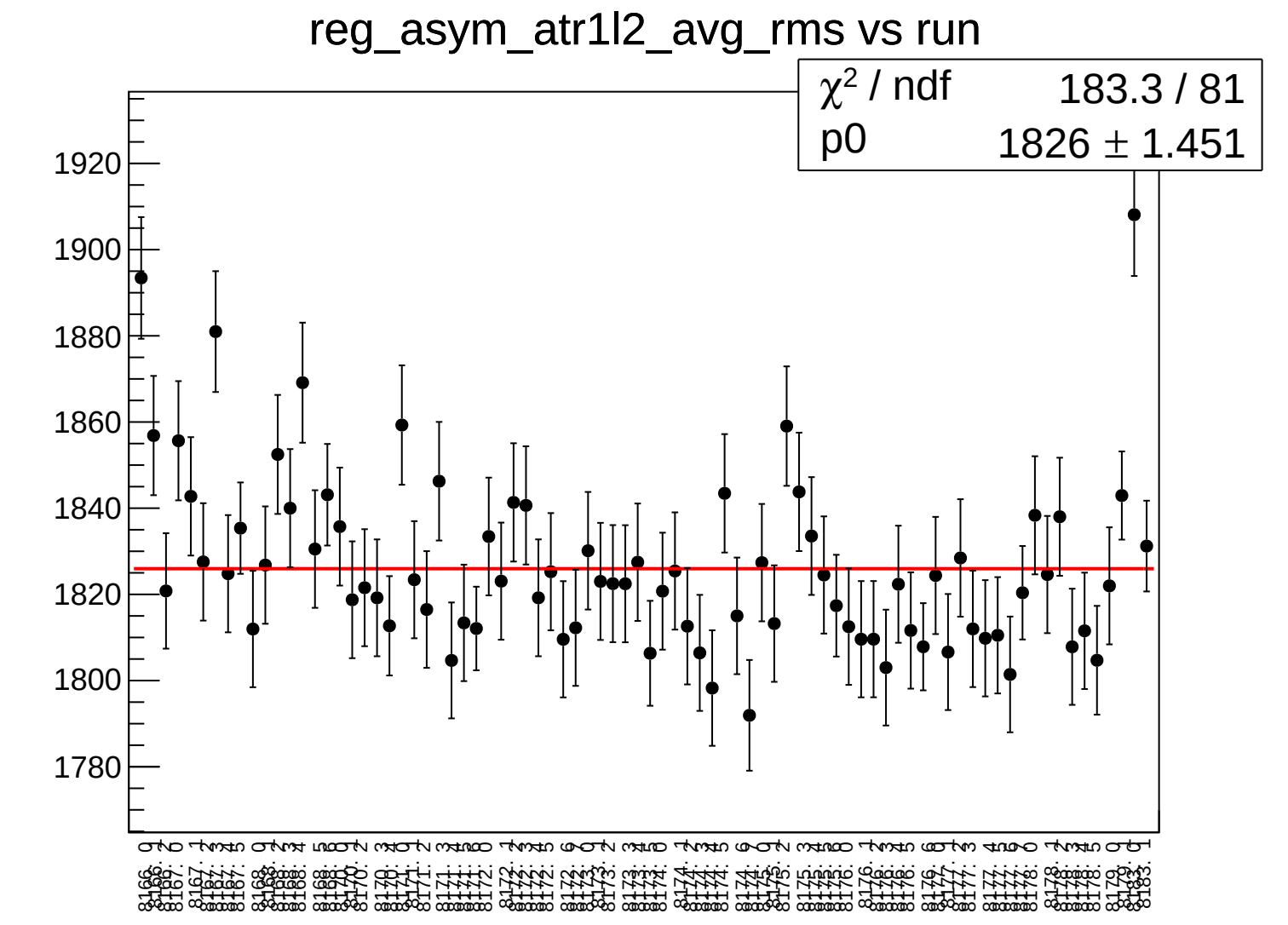

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.956e+04 / 81
p0 194.2 ± 0.1553
280
260
240
220
200
180
160
140

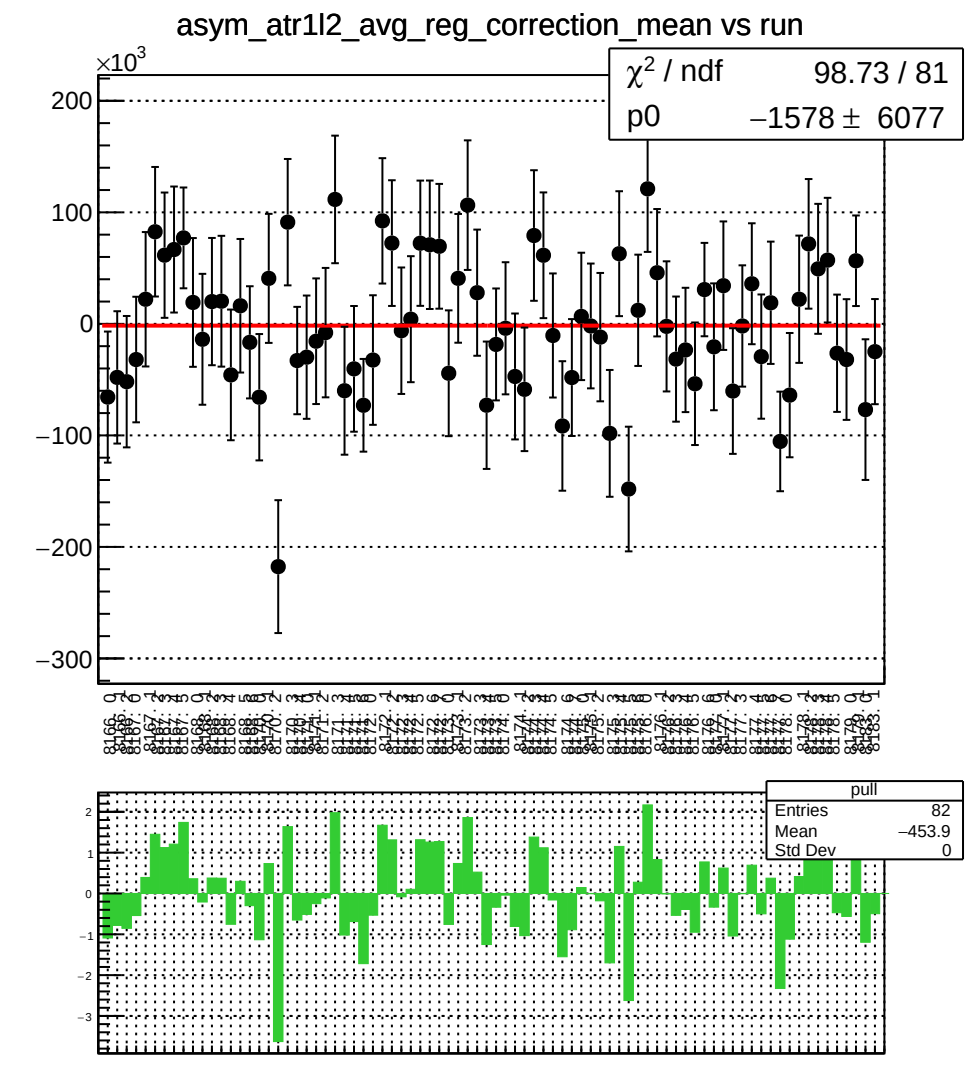

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.71 / 81
p0 2.53e−13 ± 2.796e−13
pull
Entries 82
Mean 104.8
Std Dev 24.12

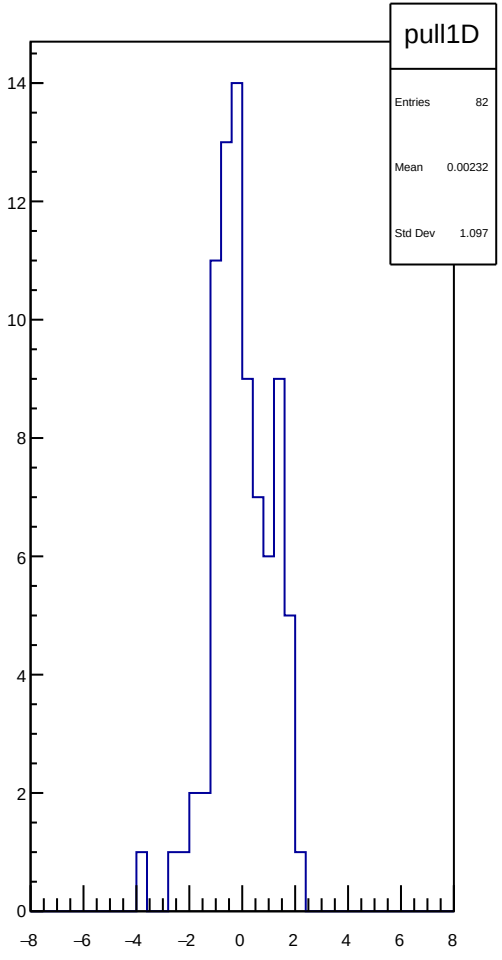

pull1D
Entries 82
Mean 0.01402
Std Dev 1.057

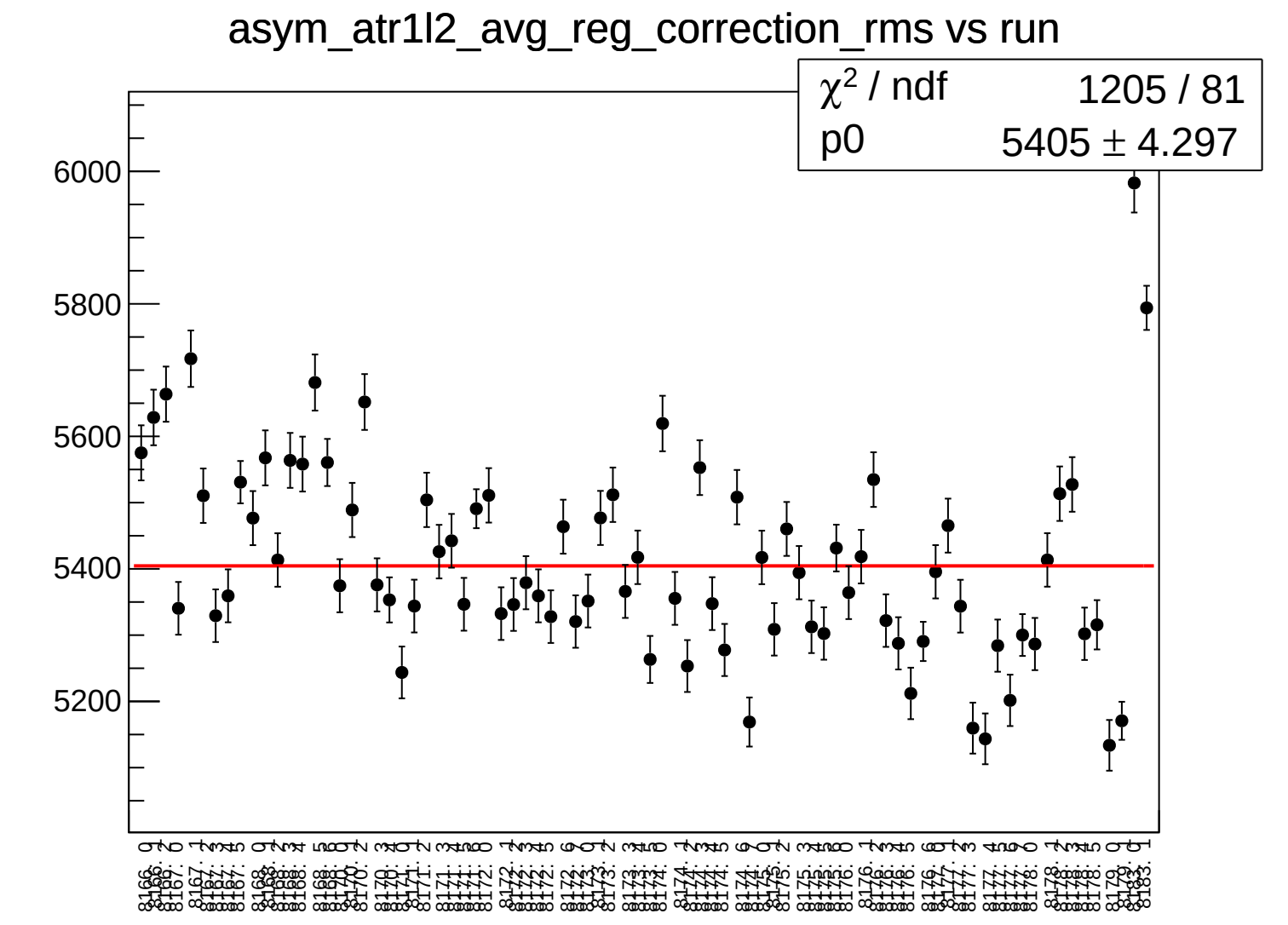

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.755e+05 / 81
p0 1.883e−10 ± 1.977e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

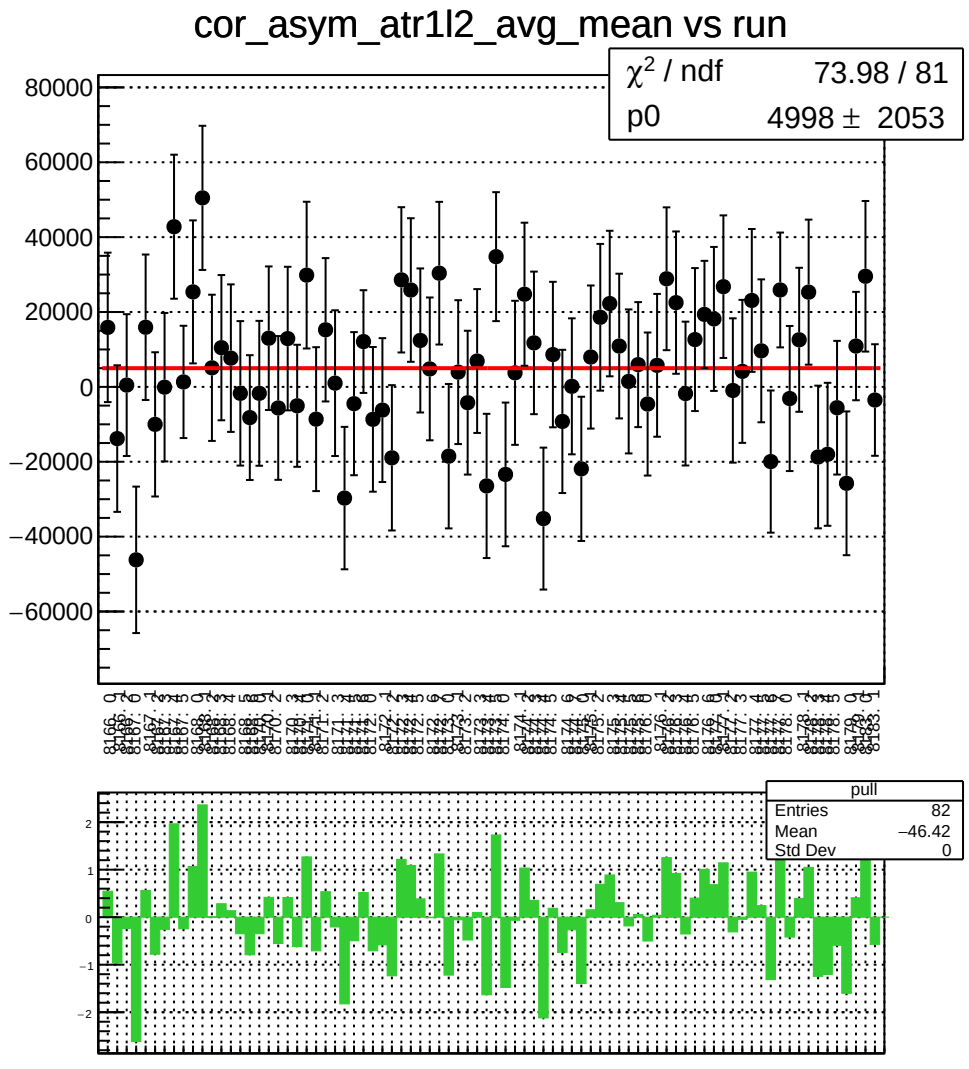

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 73.99 / 81
p0 4998 ± 2053
pull
Entries 82
Mean −46.42
Std Dev 0
pull1D
Entries 82
Mean −0.007765
Std Dev 0.9498

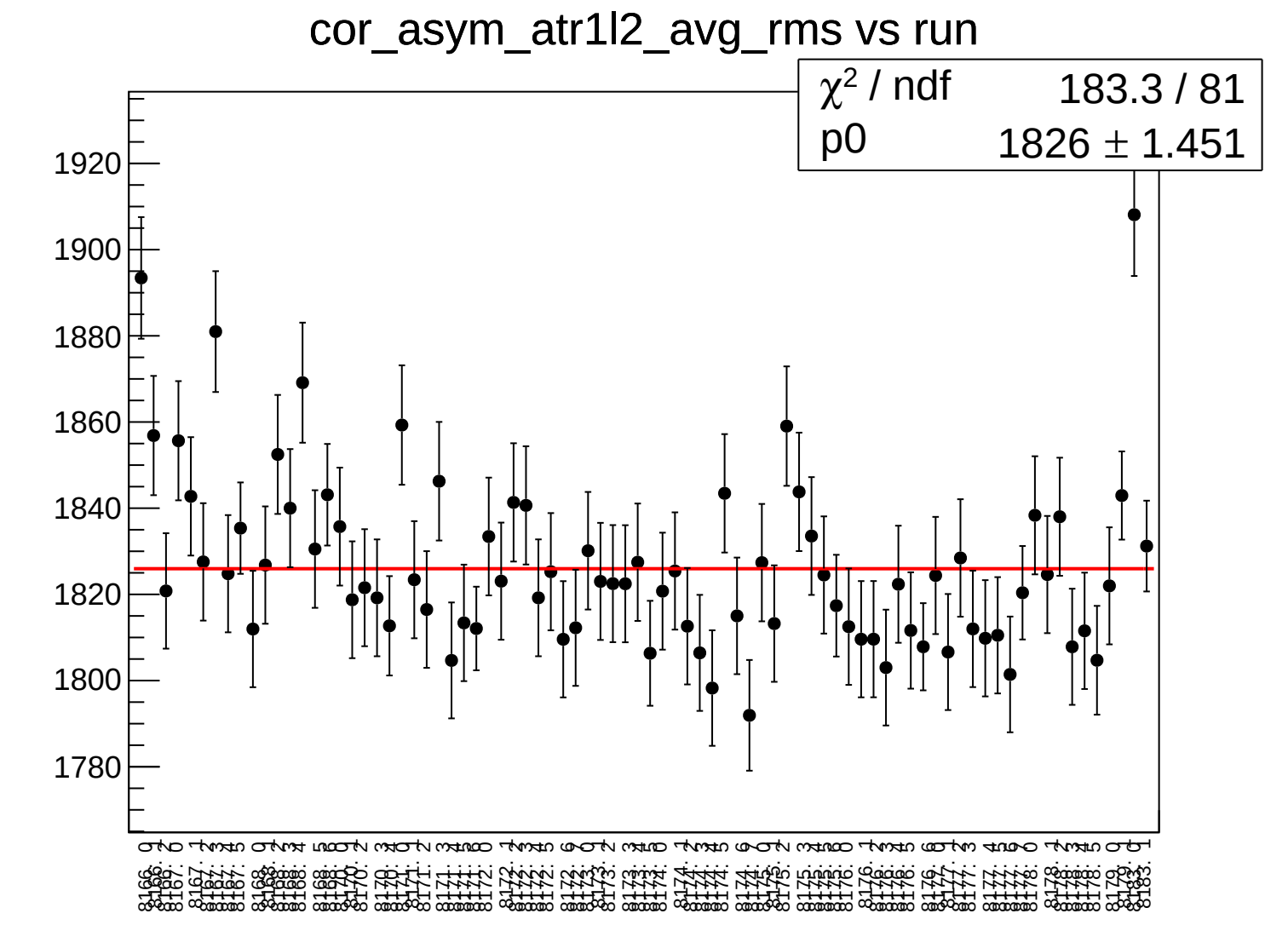

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 183.3 / 81
p0 1826 ± 1.451
1920
1900
1880
1860
1840
1820
1800
1780

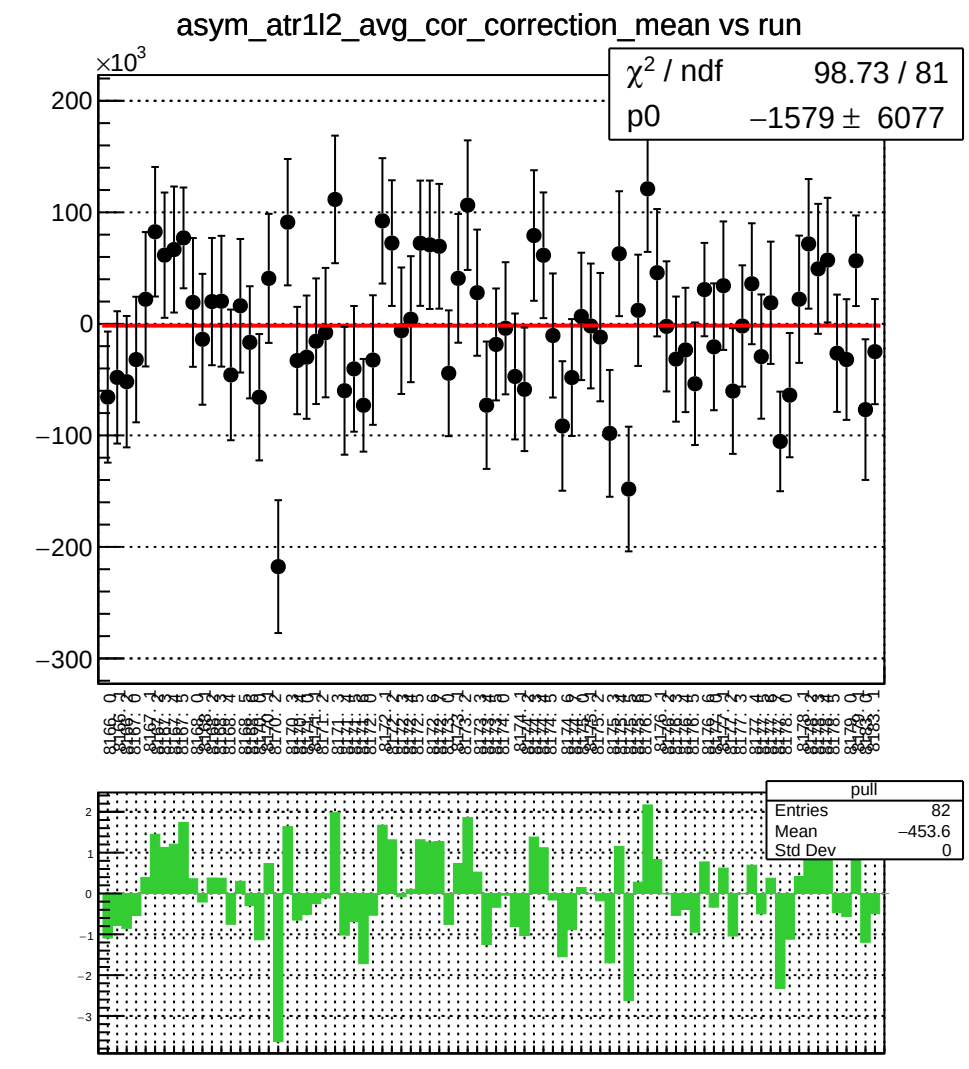

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 98.73 / 81
p0 −1578 ± 6077
200
100
0
−100
−200
−300
pull
Entries 82
Mean −453.9
Std Dev 0
2
1
0
−1
−2
−3

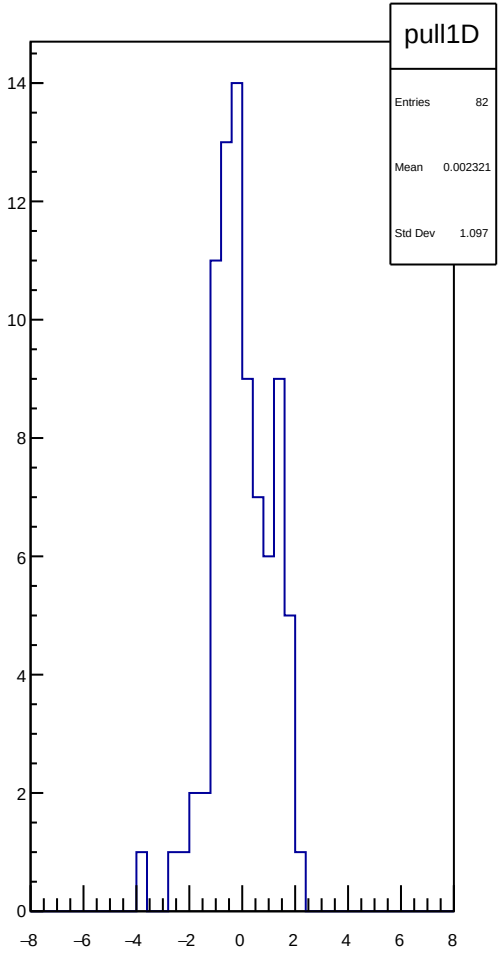

pull1D
Entries 82
Mean 0.00232
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

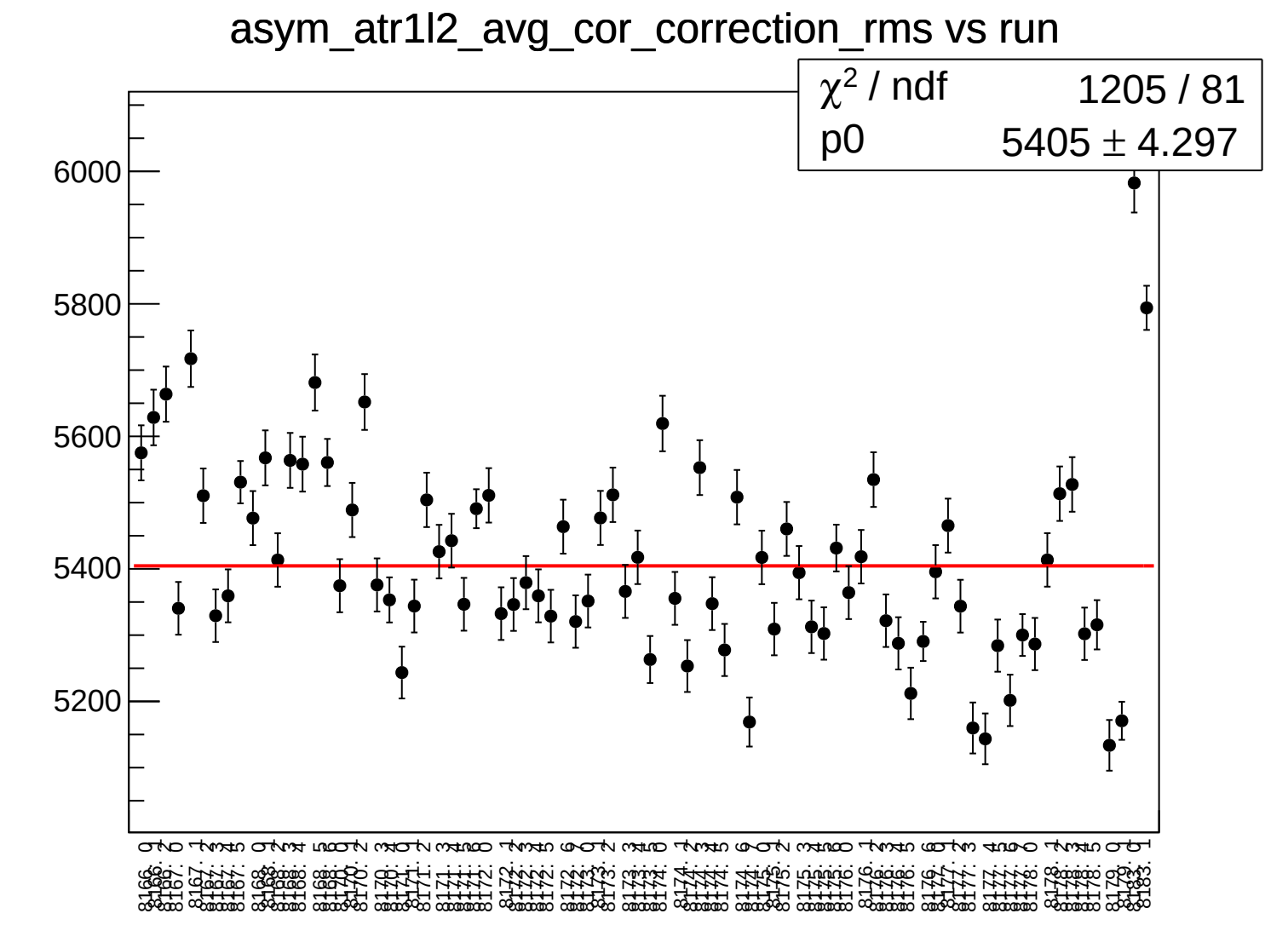

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1205 / 81
p0 5405 ± 4.297
6000
5800
5600
5400
5200

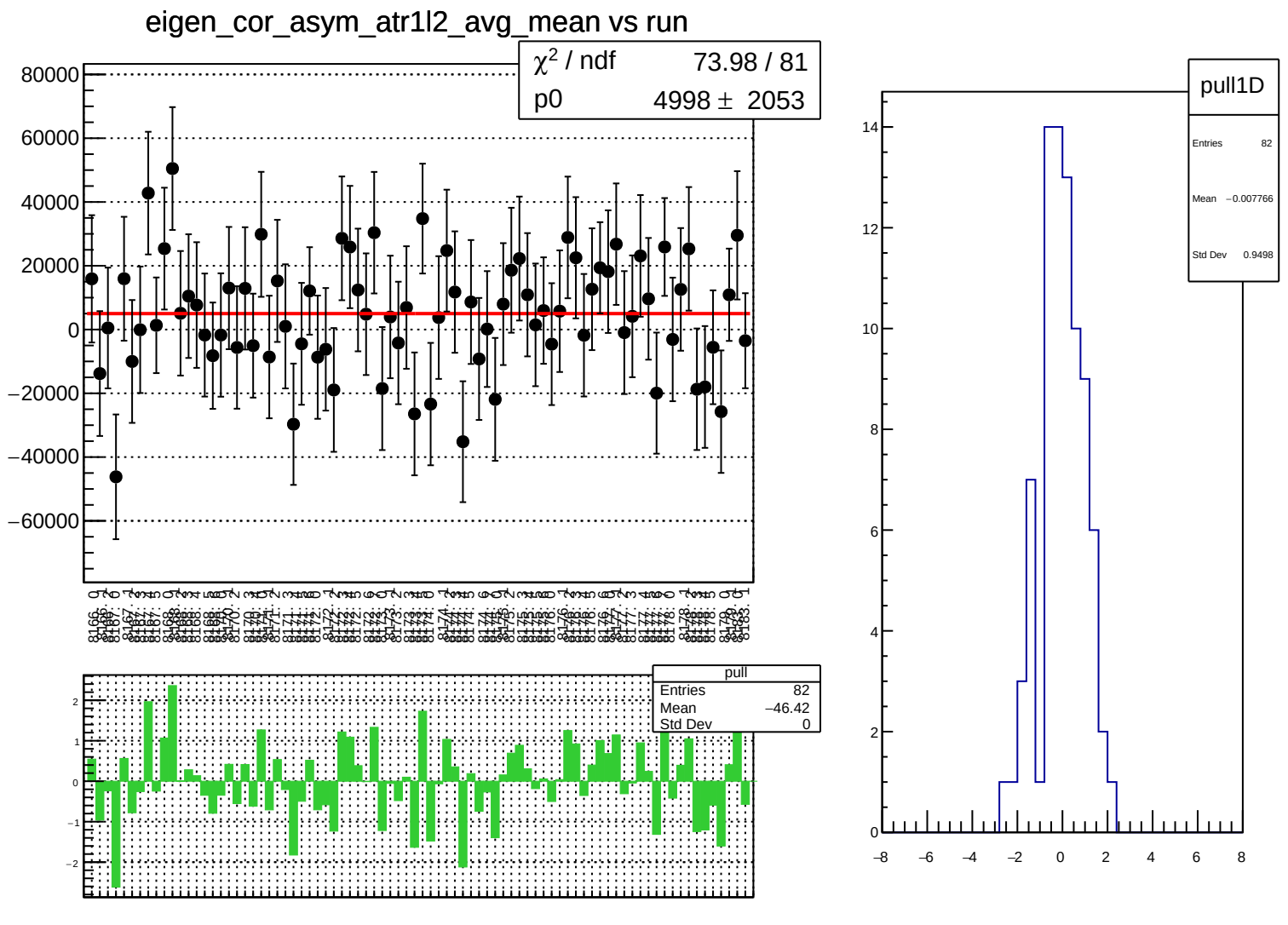

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 73.98 / 81
p0 4998 ± 2053
pull
Entries 82
Mean −46.42
Std Dev 0
pull1D
Entries 82
Mean −0.007766
Std Dev 0.9498

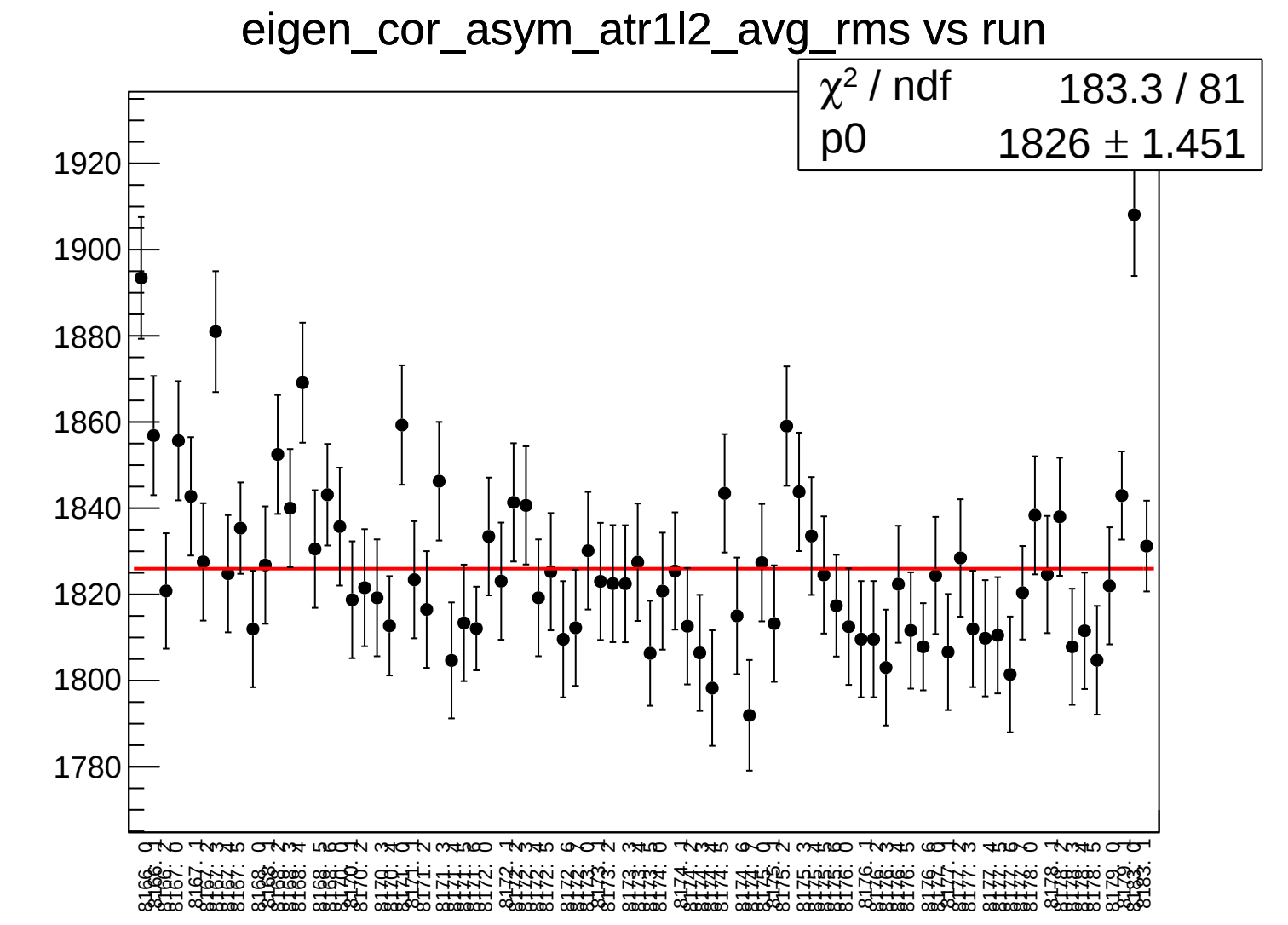

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 183.3 / 81
p0 1826 ± 1.451
1920
1900
1880
1860
1840
1820
1800
1780

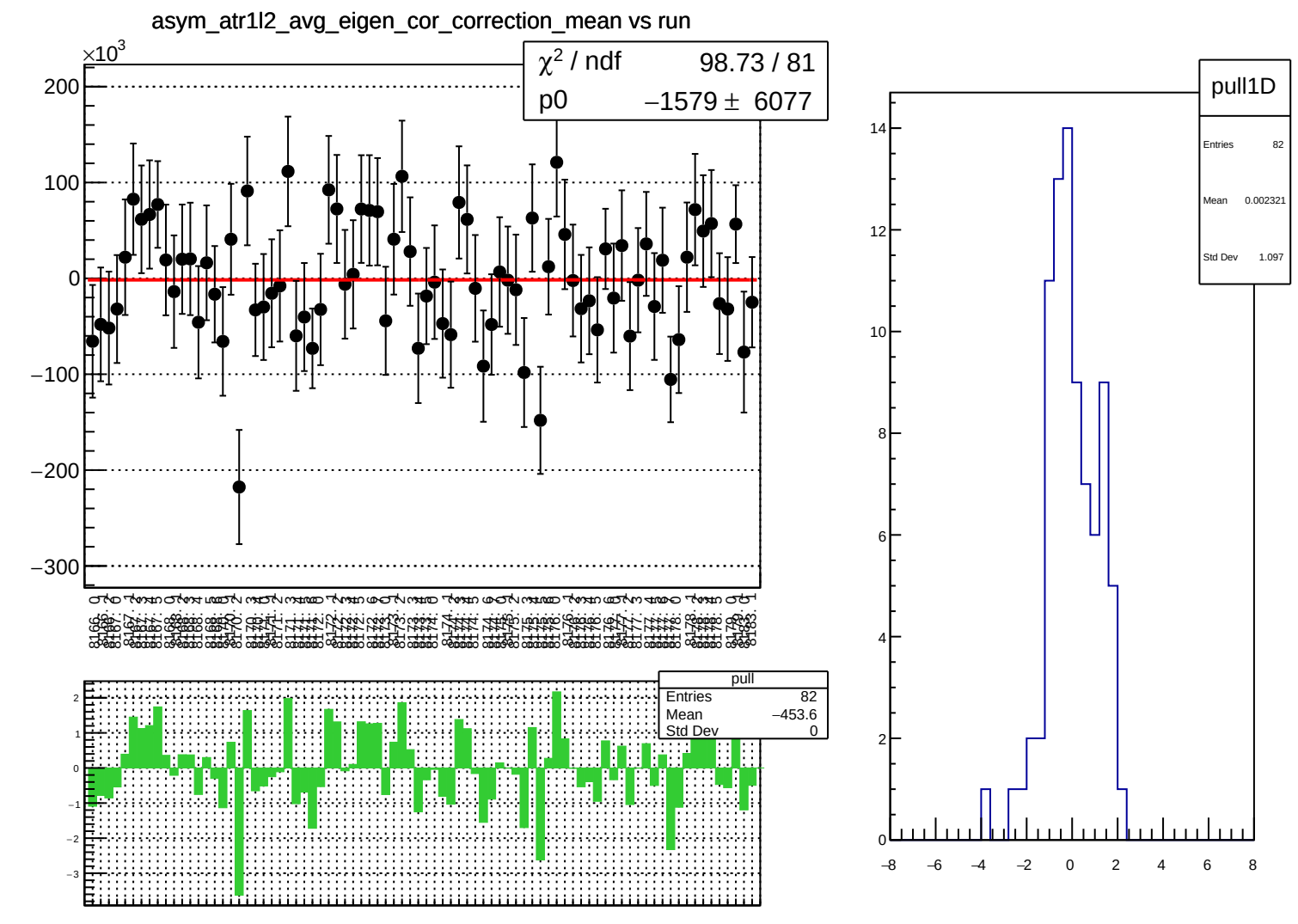

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 98.73 / 81
p0 −1579 ± 6077
200
100
0
−100
−200
−300
pull
Entries 82
Mean −453.6
Std Dev 0
2
1
0
−1
−2
−3

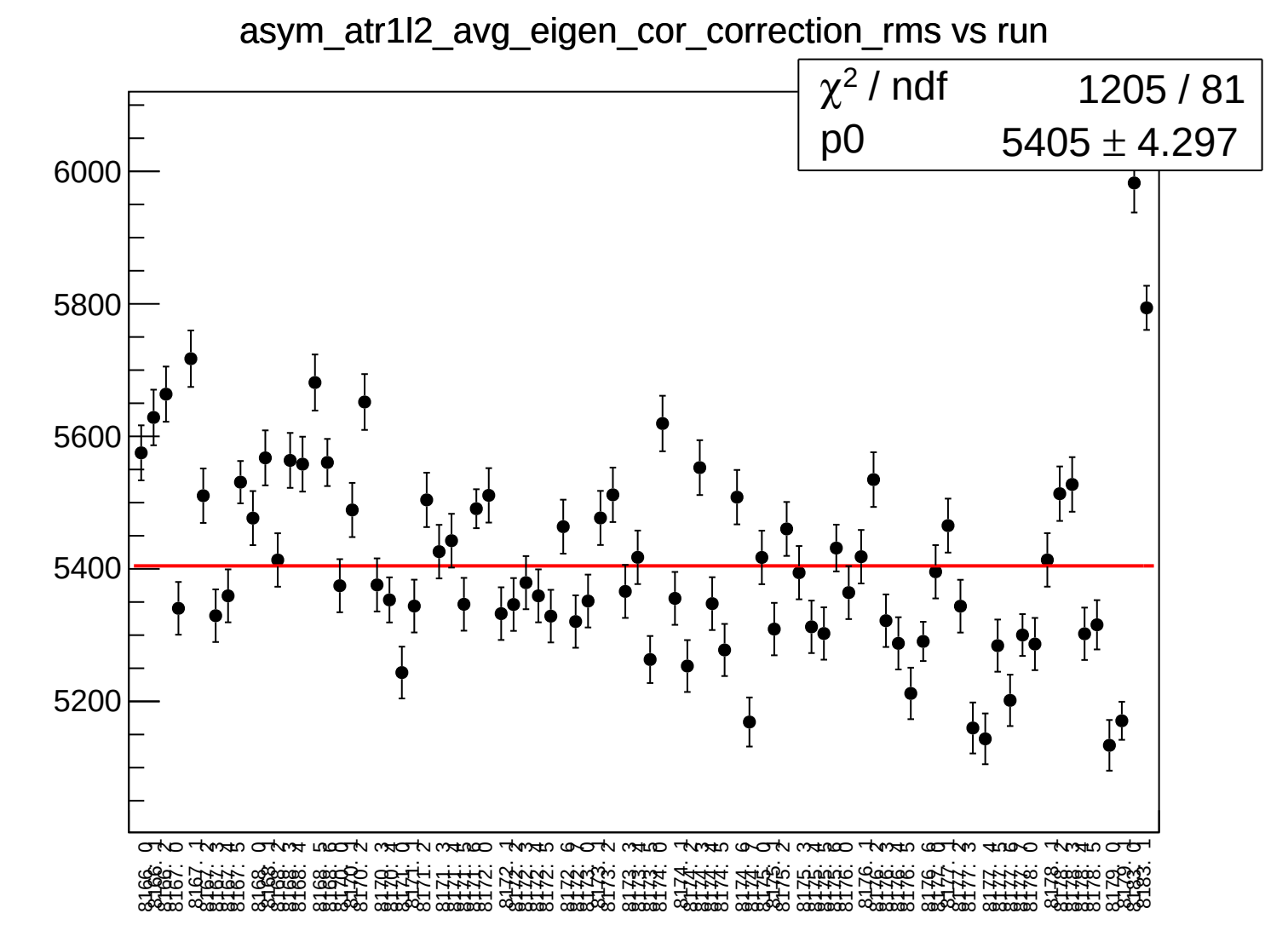

pull1D
Entries 82
Mean 0.002321
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

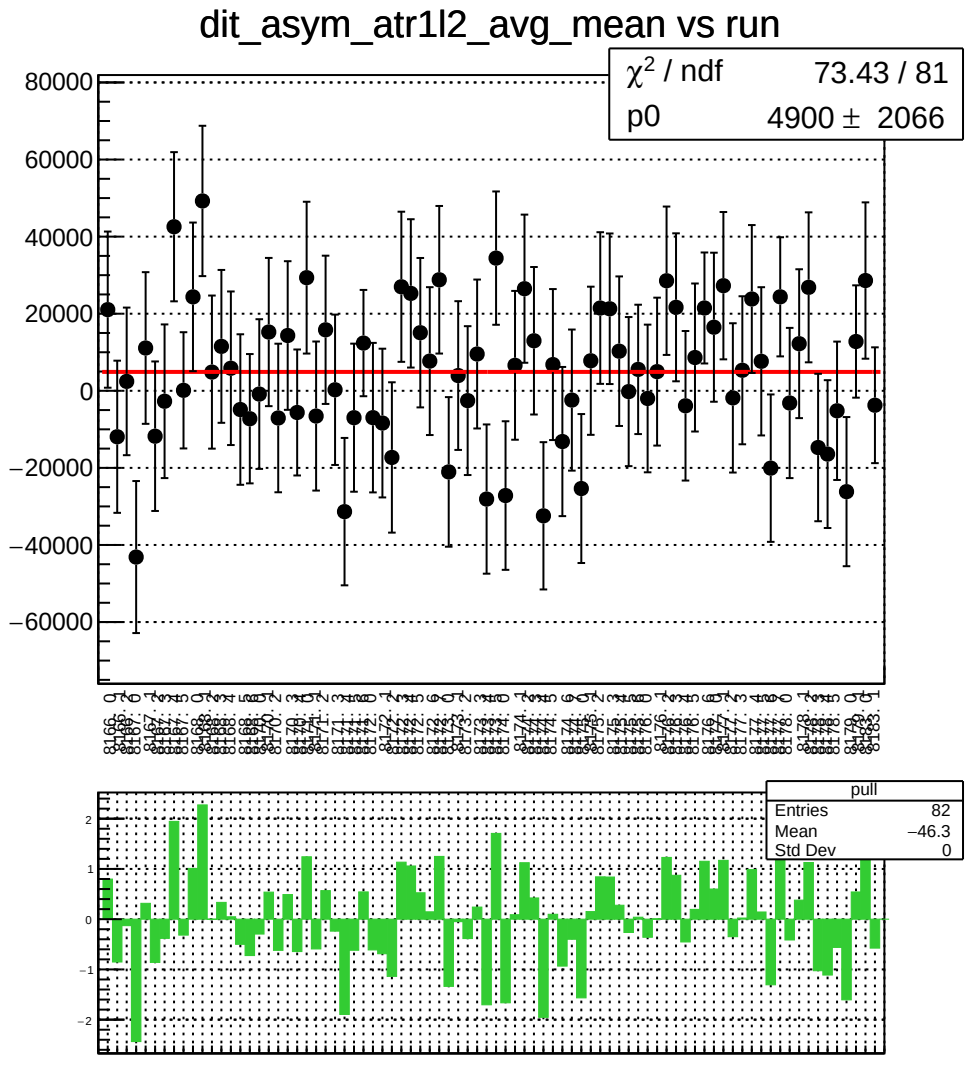

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1205 / 81
p0 5405 ± 4.297
6000
5800
5600
5400
5200

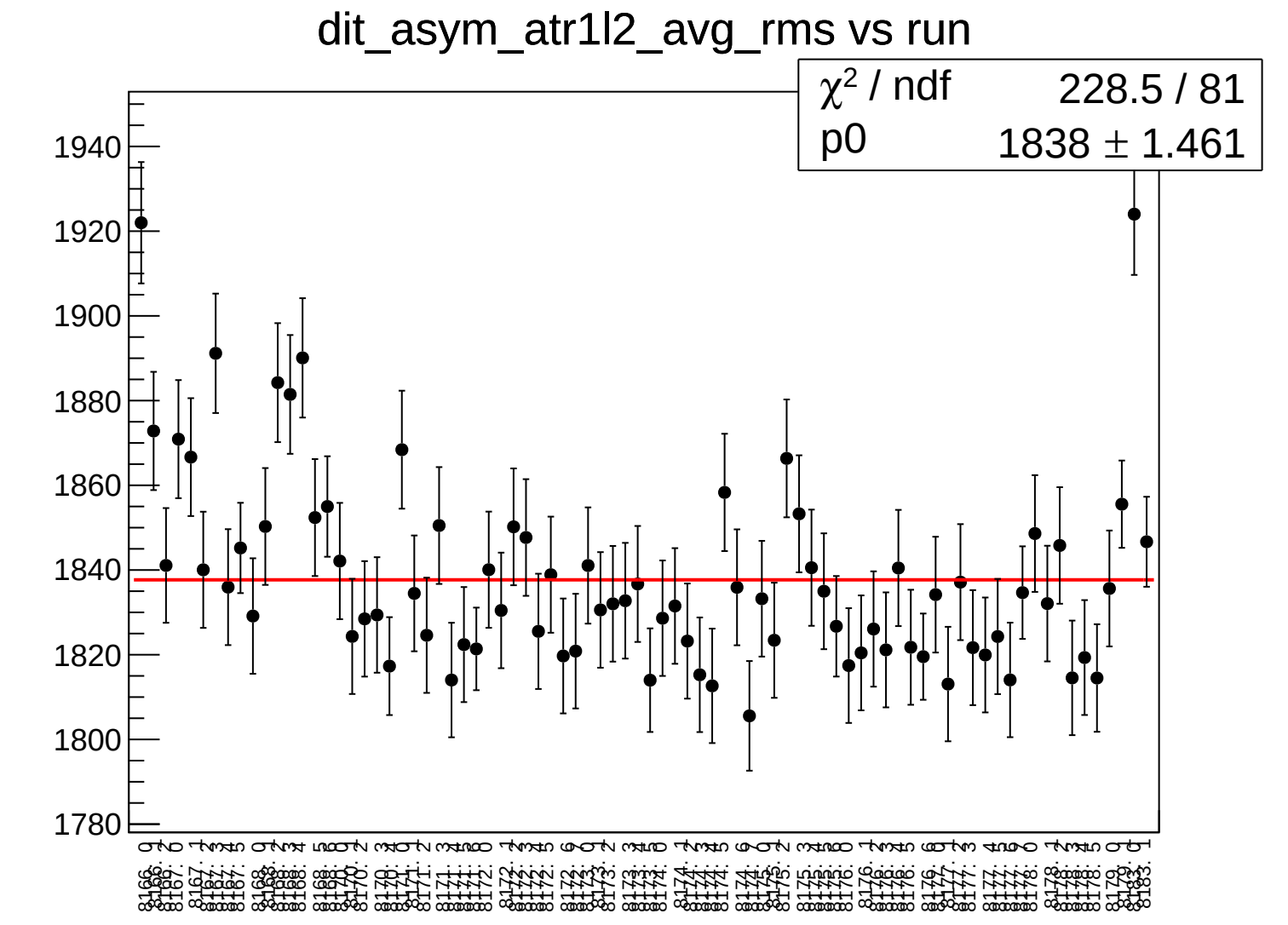

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 73.98 / 81
p0 4998 ± 2053
pull
Entries 82
Mean −46.42
Std Dev 0
pull1D
Entries 82
Mean −0.007766
Std Dev 0.9498

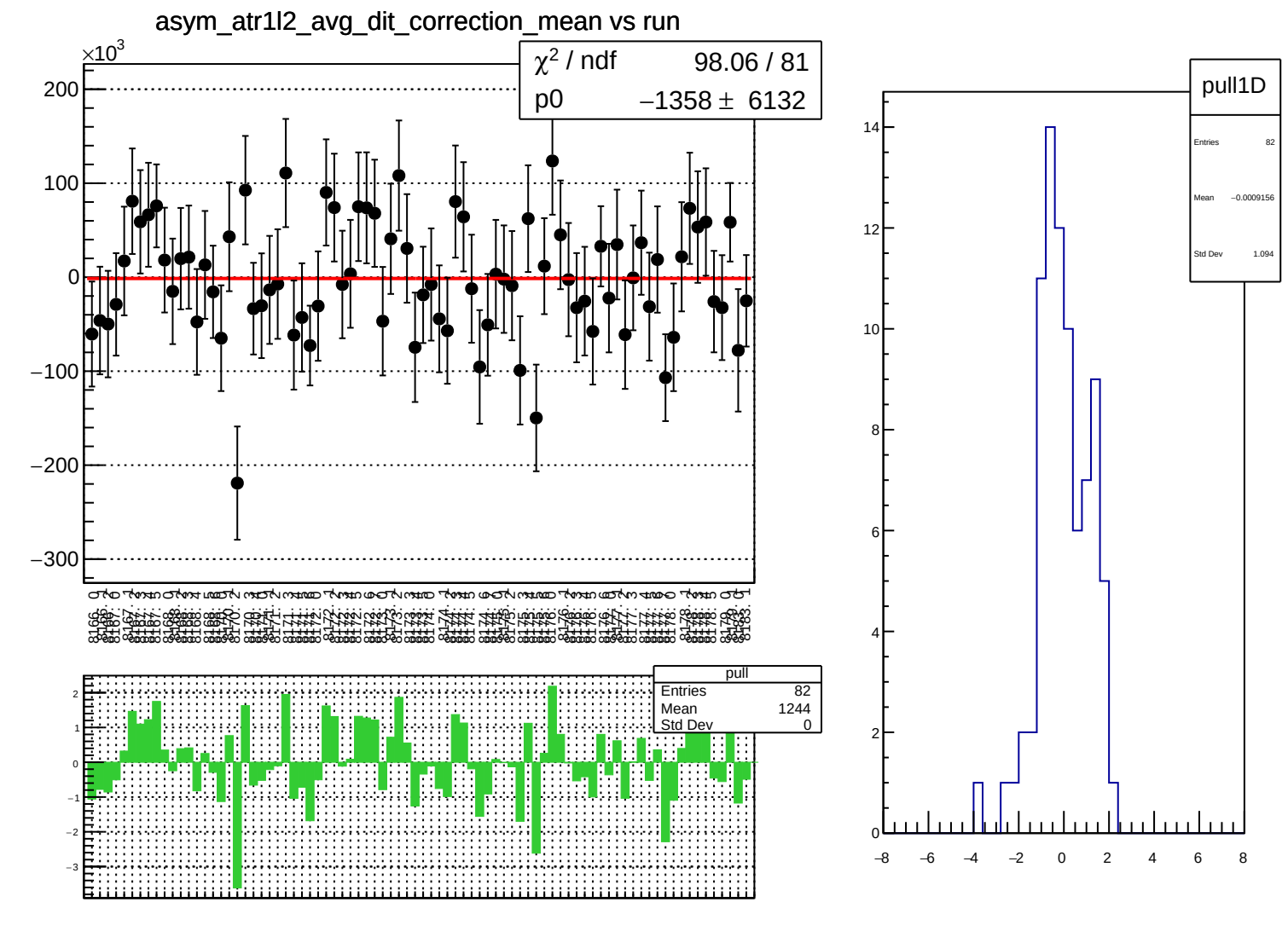

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 183.3 / 81
p0 1826 ± 1.451
1920
1900
1880
1860
1840
1820
1800
1780

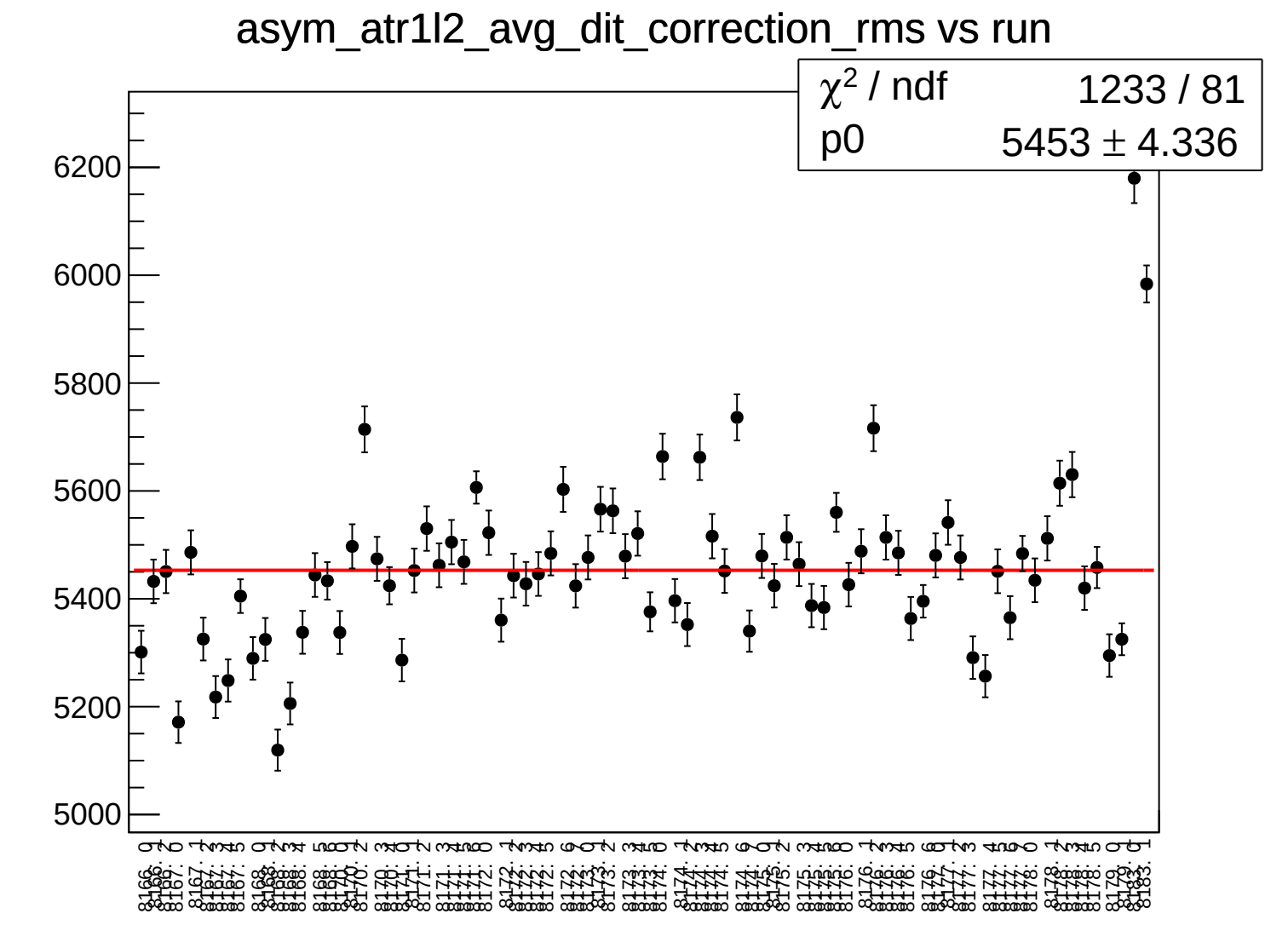

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 98.73 / 81
p0 −1579 ± 6077
200
100
0
−100
−200
−300
pull
Entries 82
Mean −453.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.002321
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

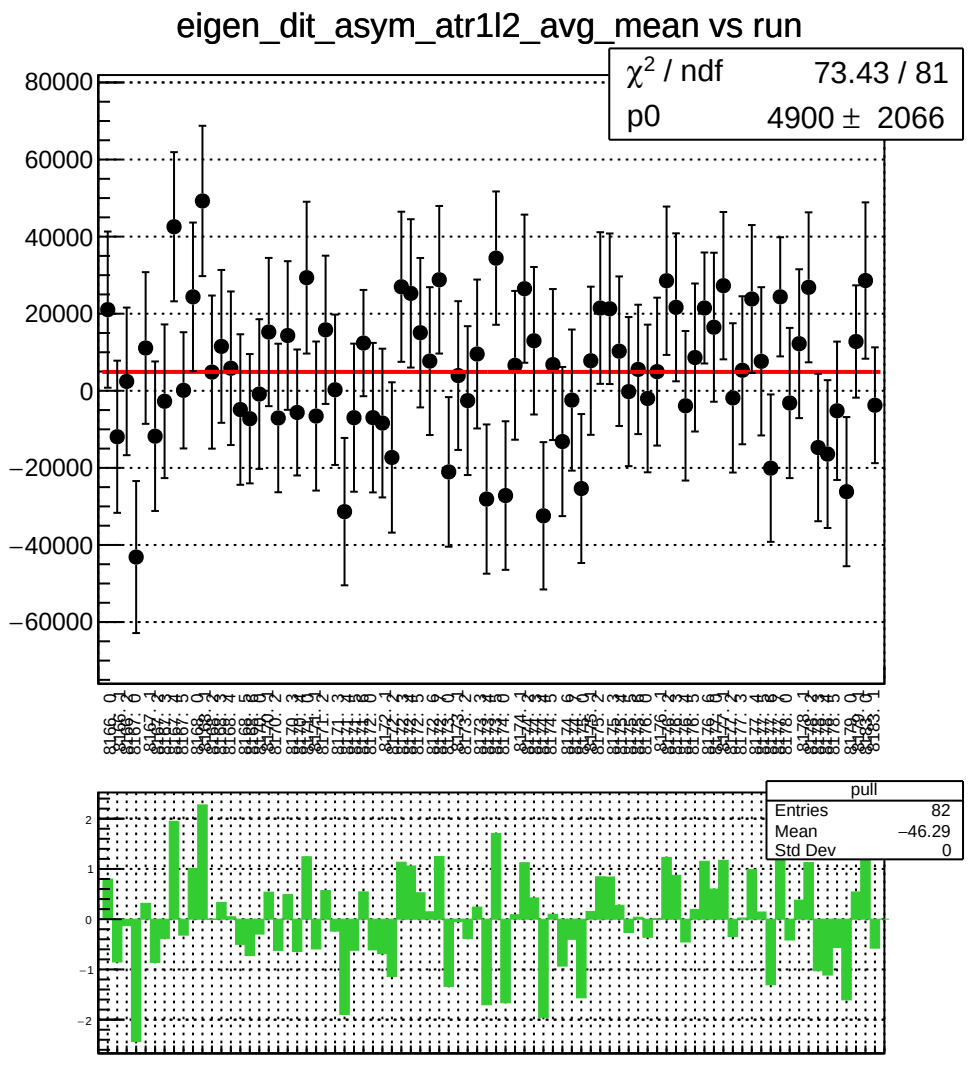

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1205 / 81
p0 5405 ± 4.297
6000
5800
5600
5400
5200

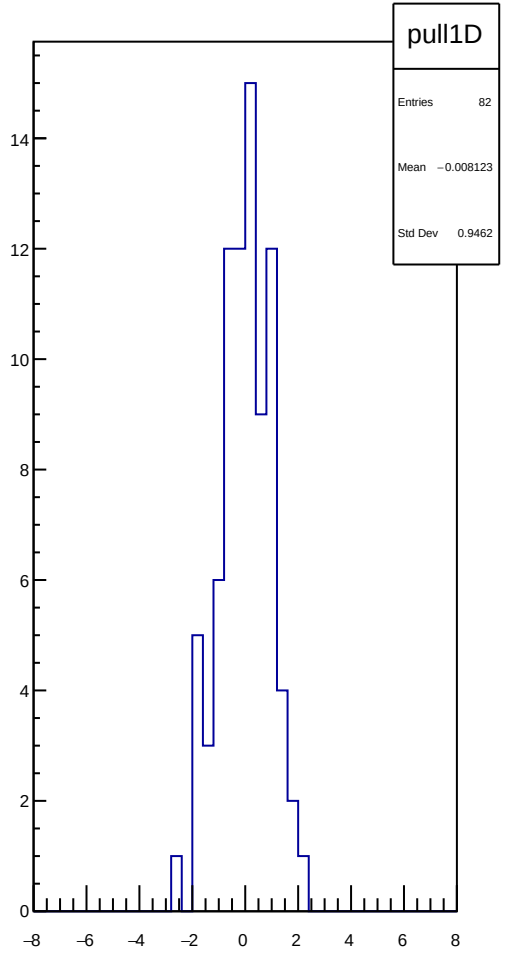

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 73.43 / 81
p0 4900 ± 2066
pull
Entries 82
Mean −46.3
Std Dev 0
pull1D
Entries 82
Mean −0.008124
Std Dev 0.9462

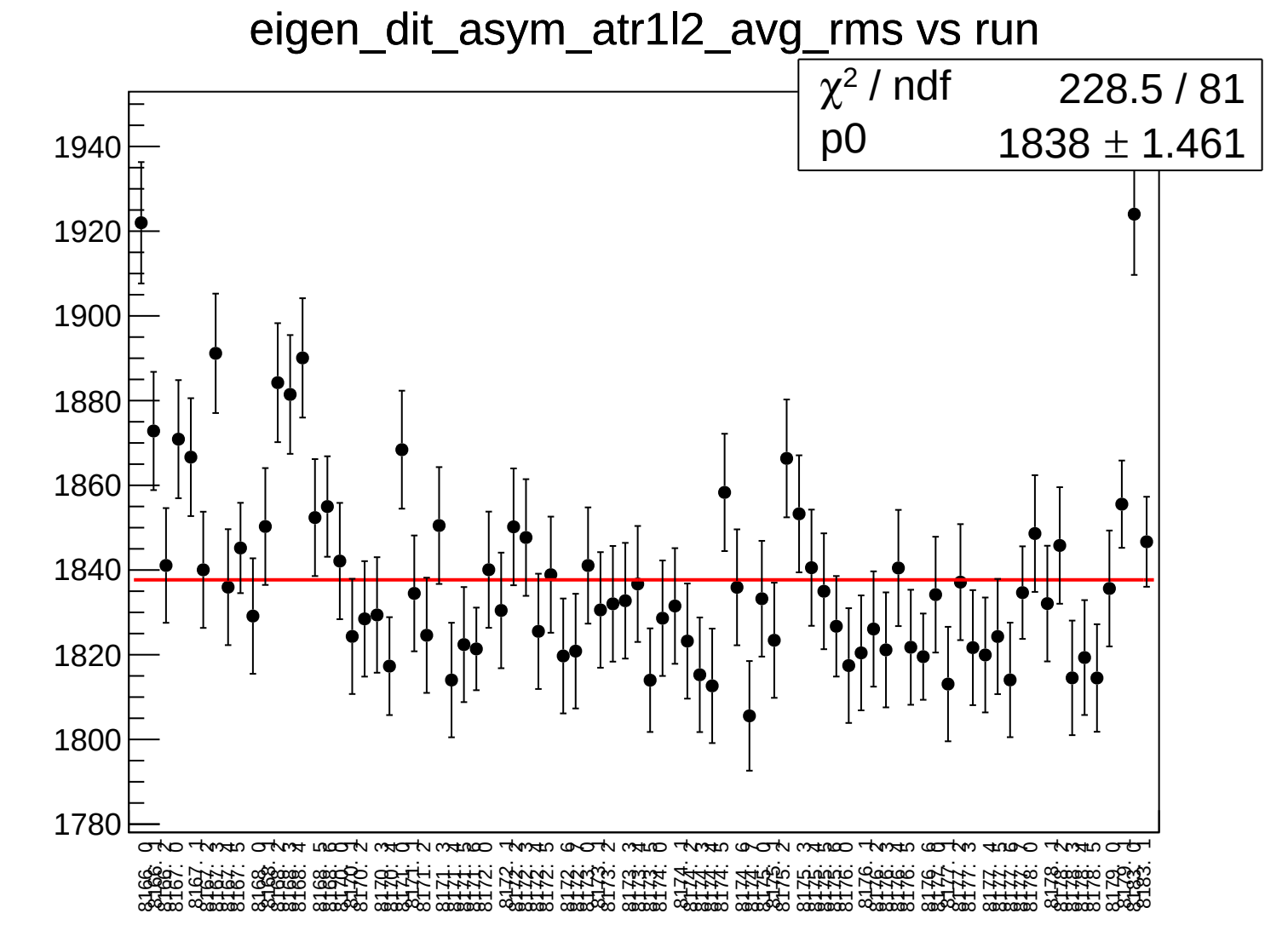

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 228.5 / 81
p0 1838 ± 1.461
1940
1920
1900
1880
1860
1840
1820
1800
1780

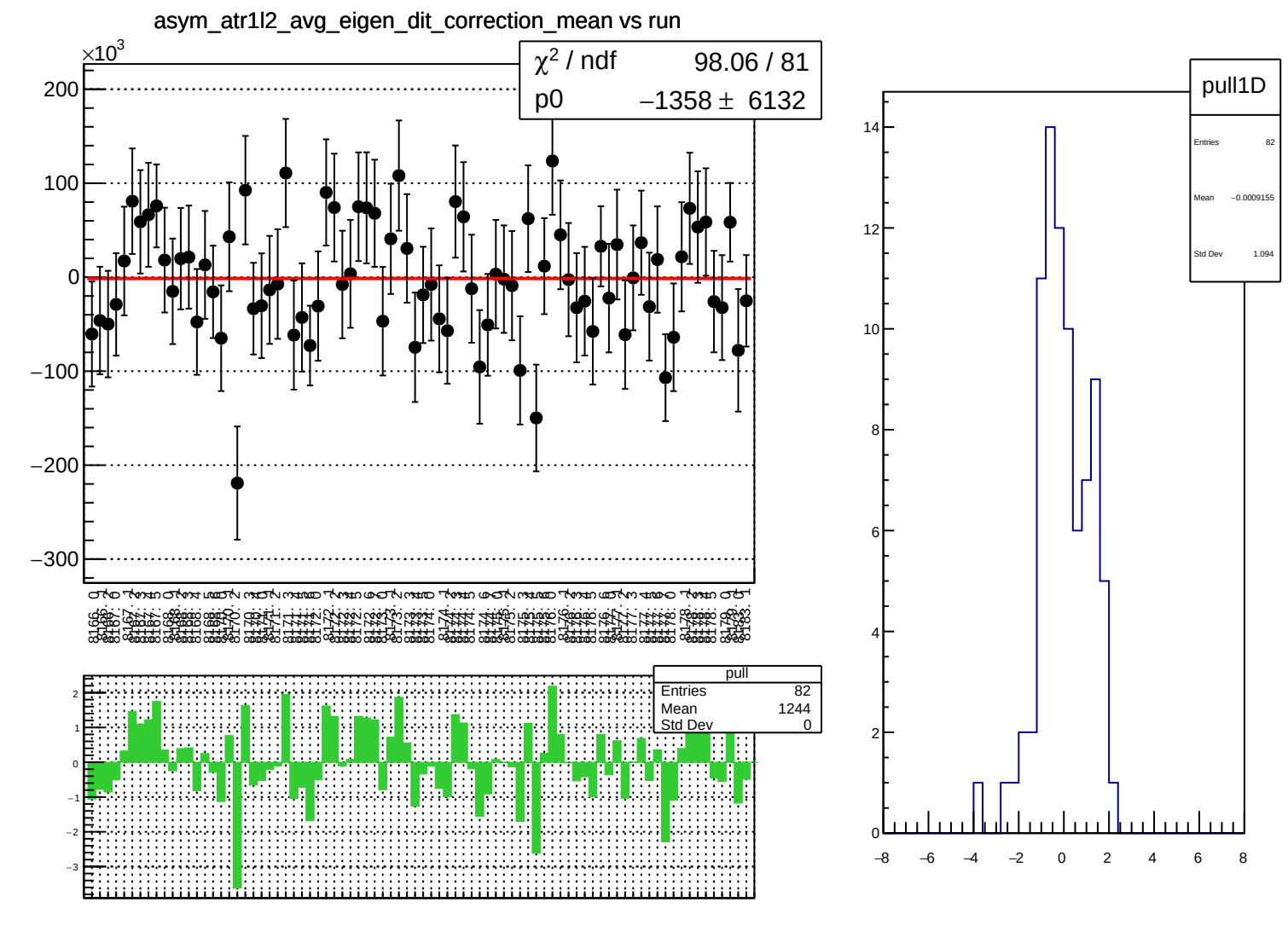

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 98.06 / 81
p0 −1358 ± 6132
pull
Entries 82
Mean 1244
Std Dev 0
pull1D
Entries 82
Mean −0.0009156
Std Dev 1.094

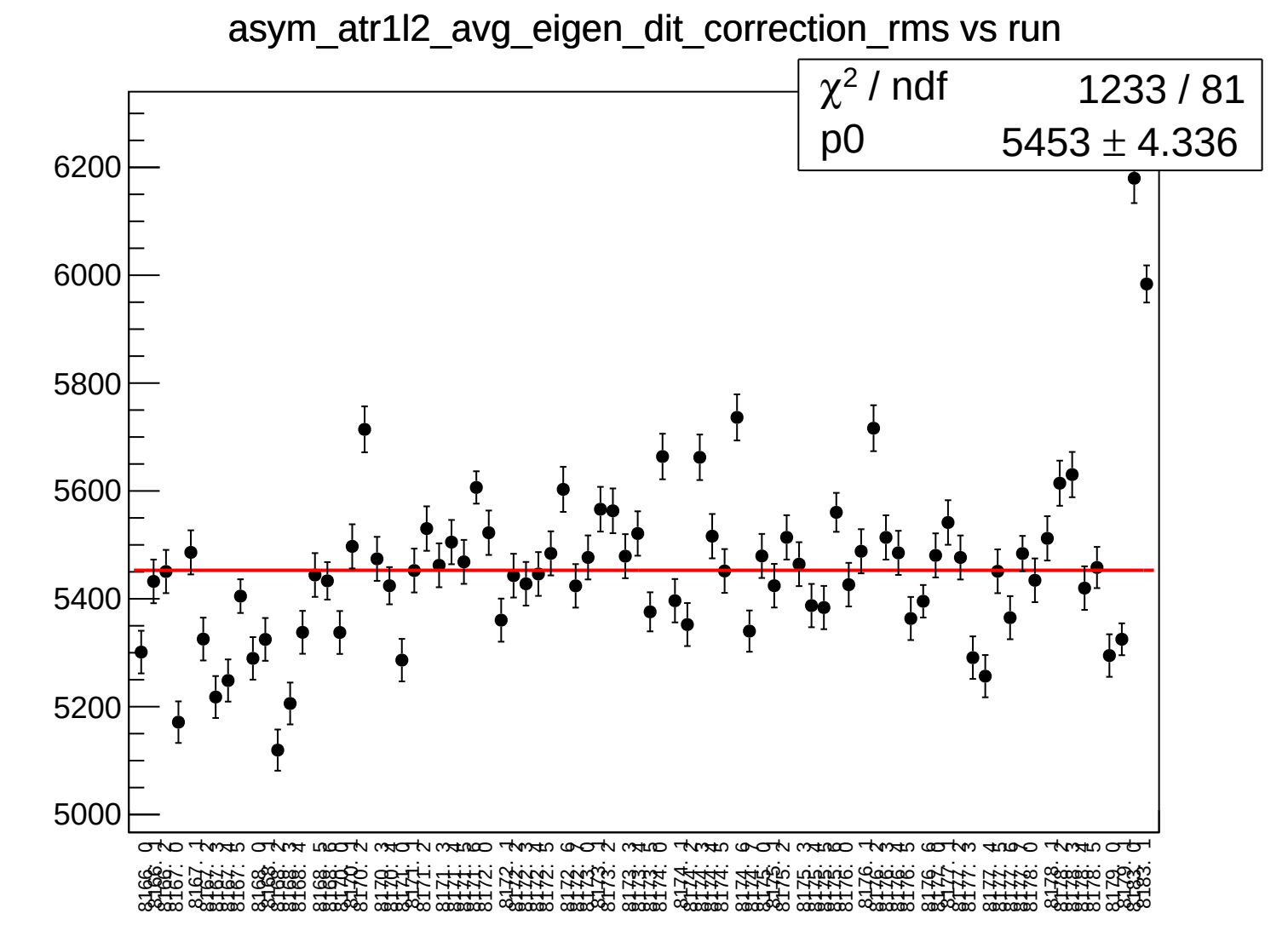

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 1233 / 81
p0 5453 ± 4.336
6200
6000
5800
5600
5400
5200
5000

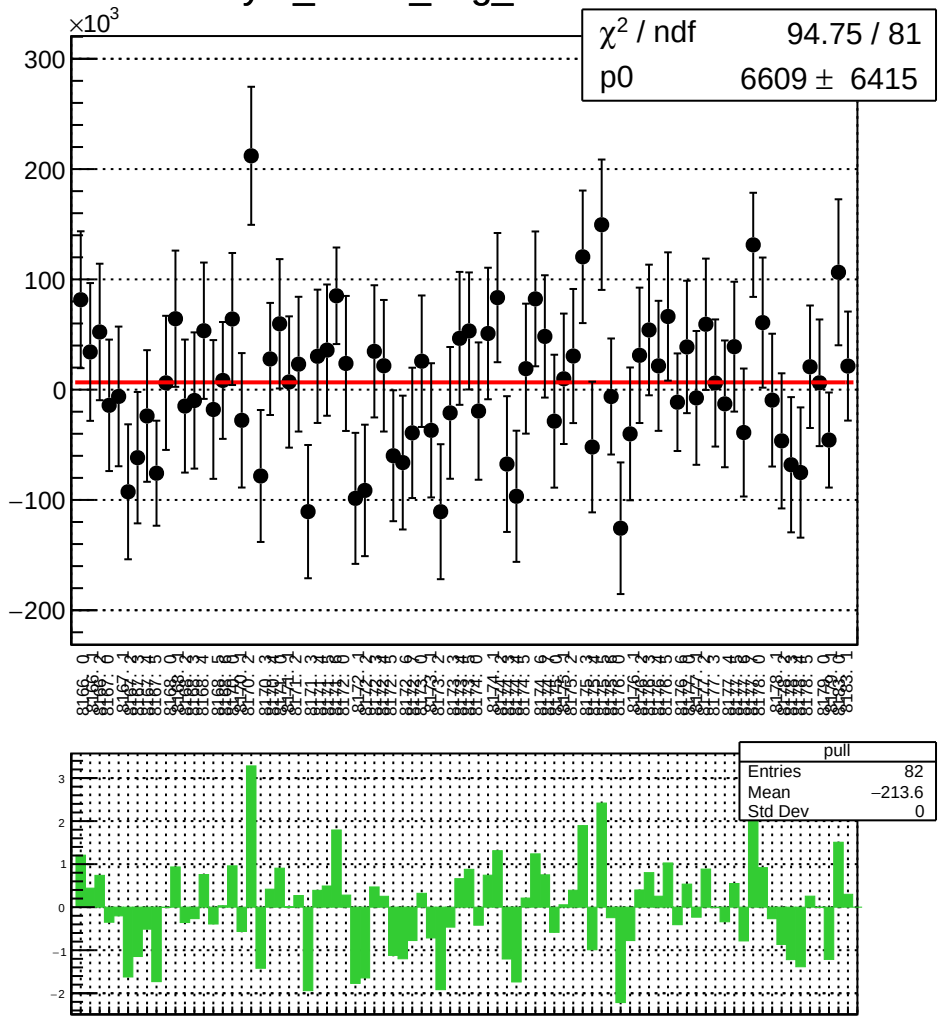

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 73.43 / 81
p0 4900 ± 2066
pull
Entries 82
Mean −46.29
Std Dev 0

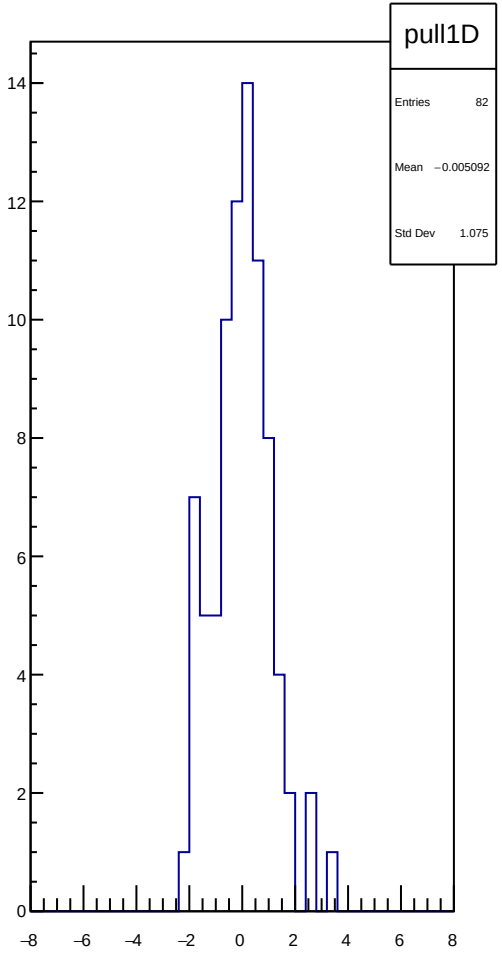

pull1D
Entries 82
Mean −0.008123
Std Dev 0.9462

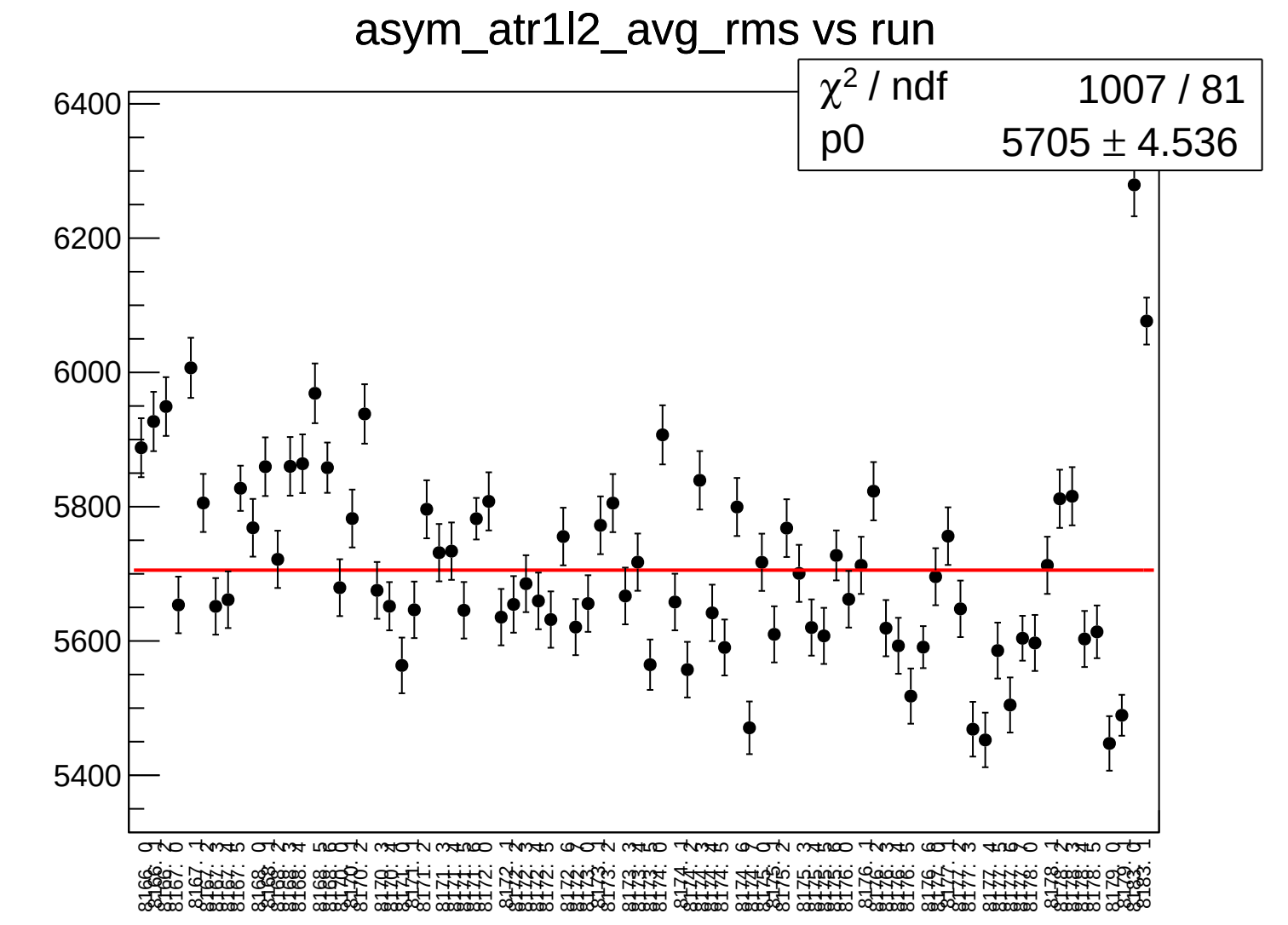

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 228.5 / 81
p0 1838 ± 1.461
1940
1920
1900
1880
1860
1840
1820
1800
1780

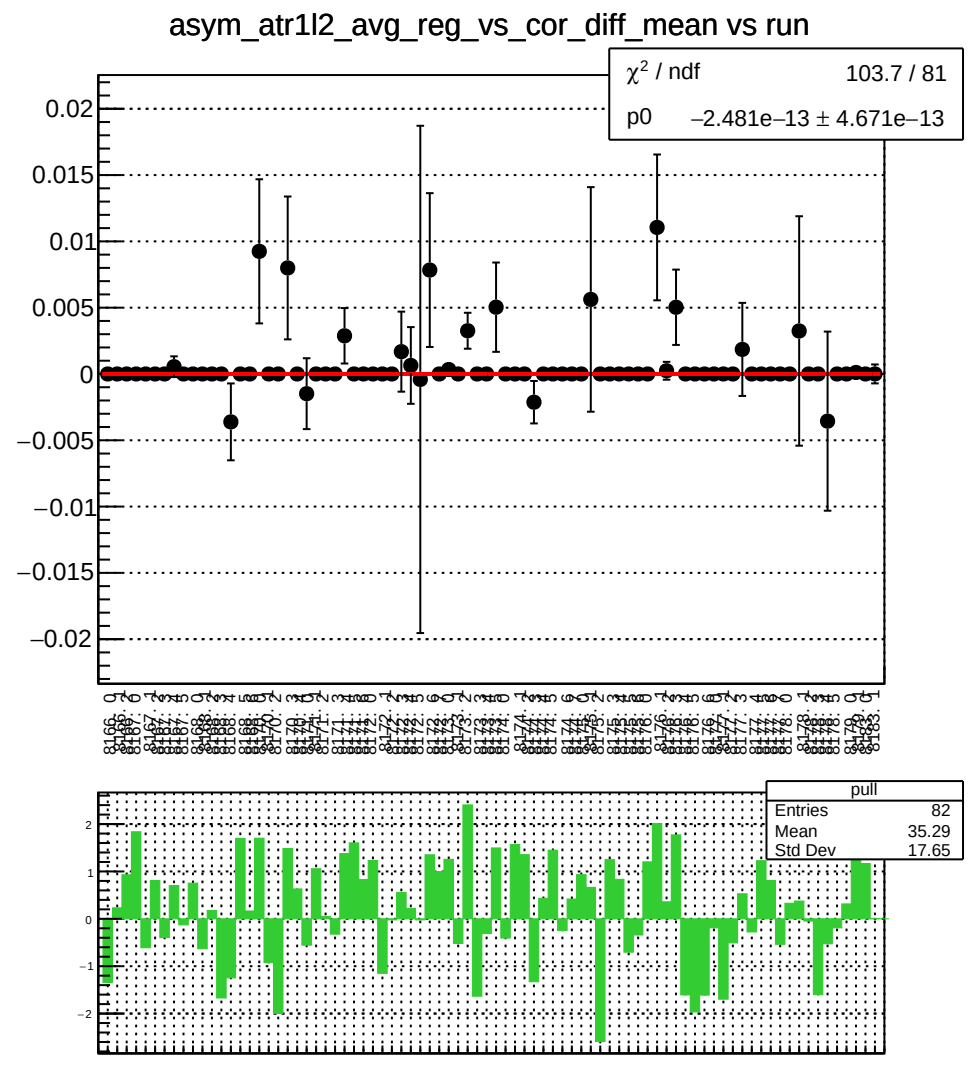

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 98.06 / 81
p0 −1358 ± 6132
pull
Entries 82
Mean 1244
Std Dev 0
pull1D
Entries 82
Mean −0.0009155
Std Dev 1.094

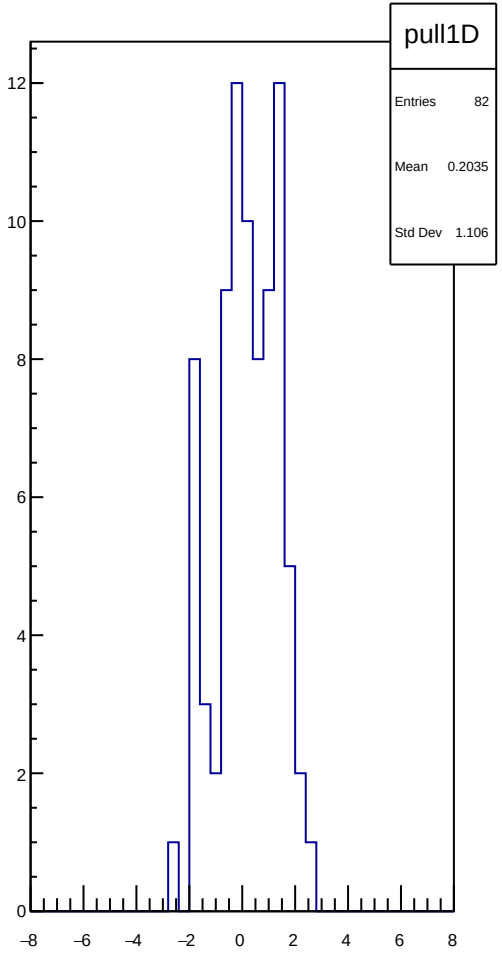

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1233 / 81
p0 5453 ± 4.336
6200
6000
5800
5600
5400
5200
5000

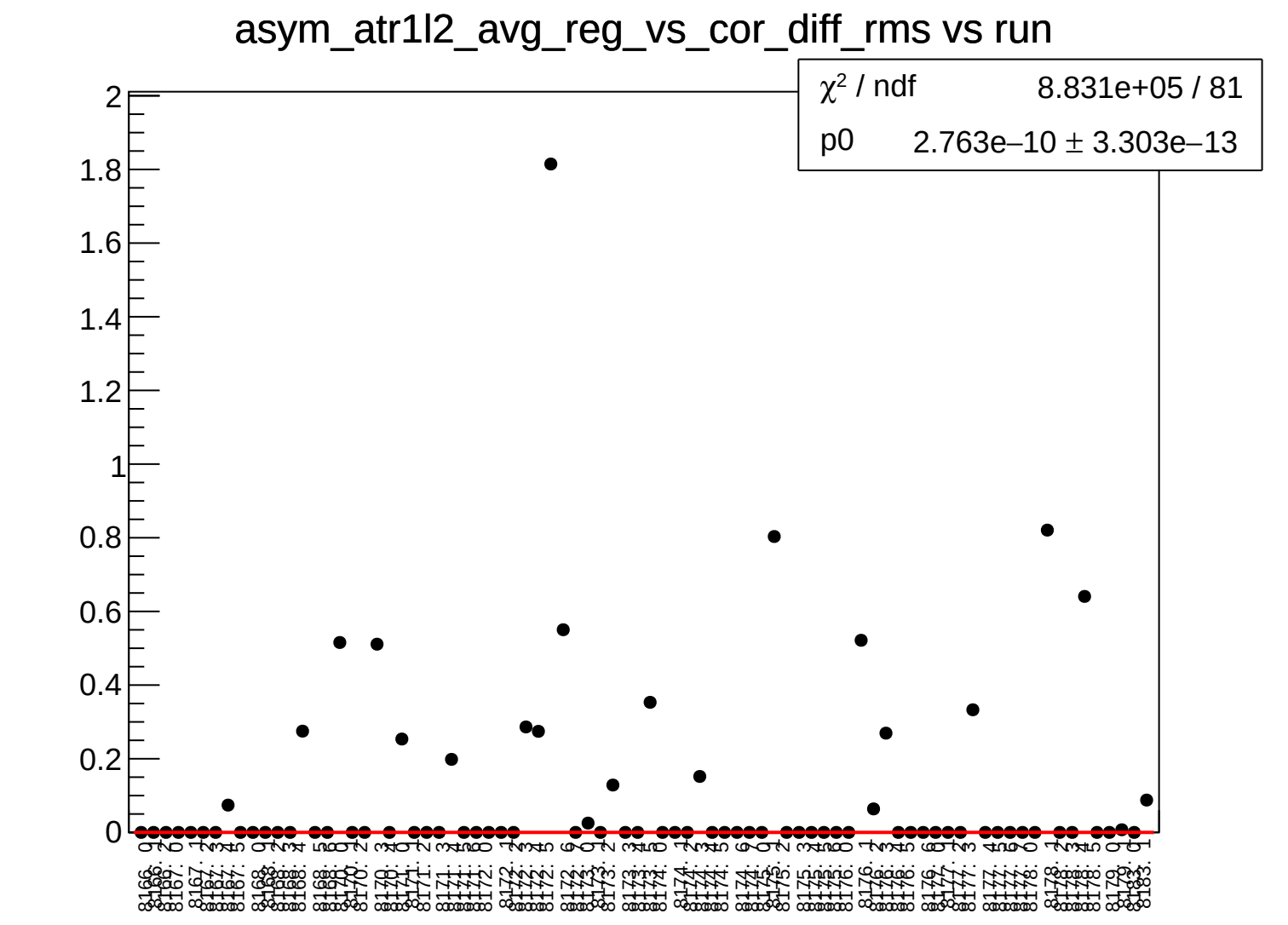

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 94.75 / 81
p0 6609 ± 6415
300
200
100
0
−100
−200
pull
Entries 82
Mean −213.6
Std Dev 0
3
2
1
0
−1
−2

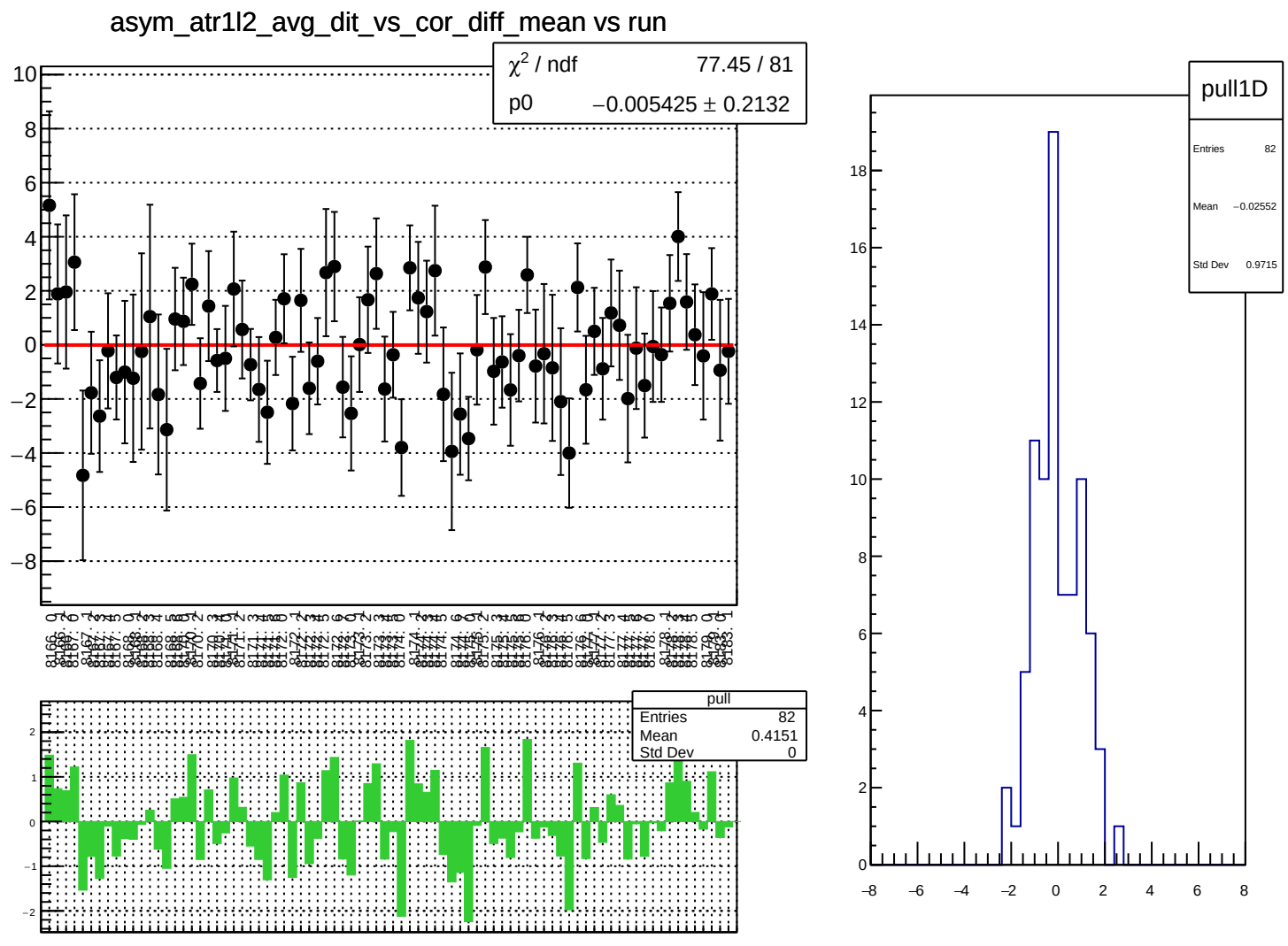

pull1D
Entries 82
Mean −0.005092
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

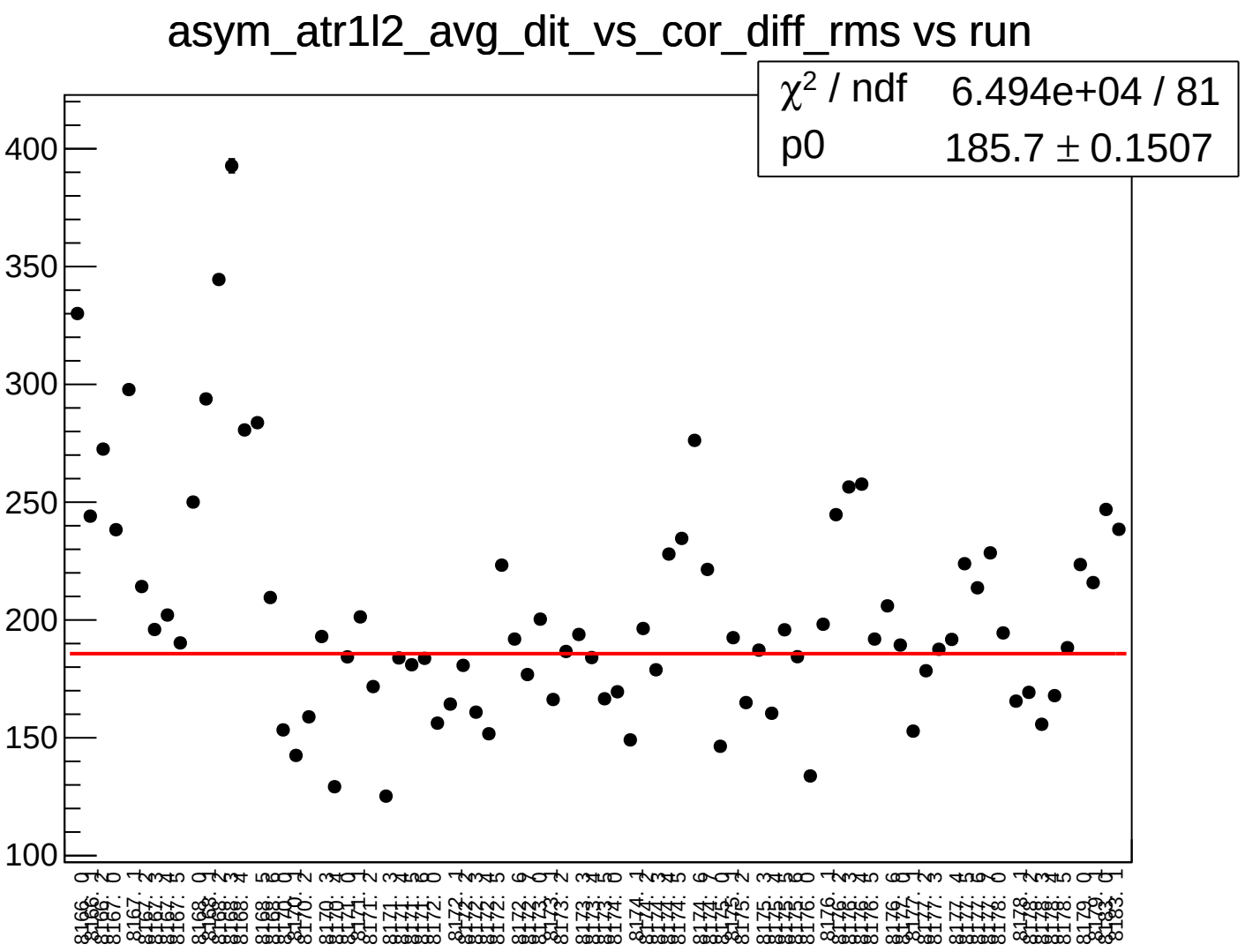

asym_atr1l2_avg_rms vs run
χ² / ndf 1007 / 81
p0 5705 ± 4.536
6400
6200
6000
5800
5600
5400


asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 103.7 / 81
p0 −2.481e−13 ± 4.671e−13
pull
Entries 82
Mean 35.29
Std Dev 17.65

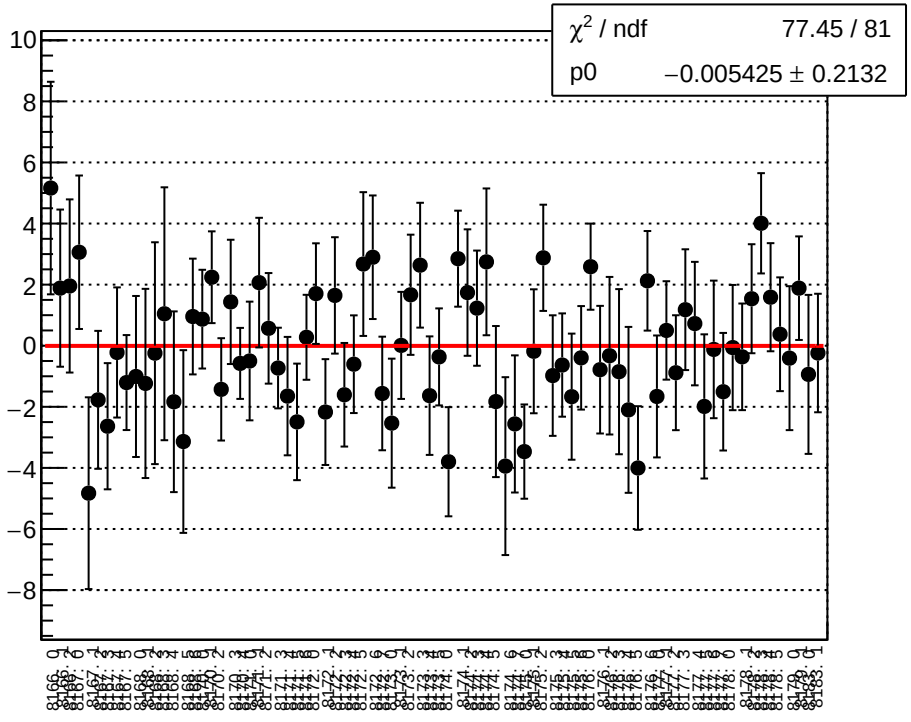

pull1D
Entries 82
Mean 0.2035
Std Dev 1.106

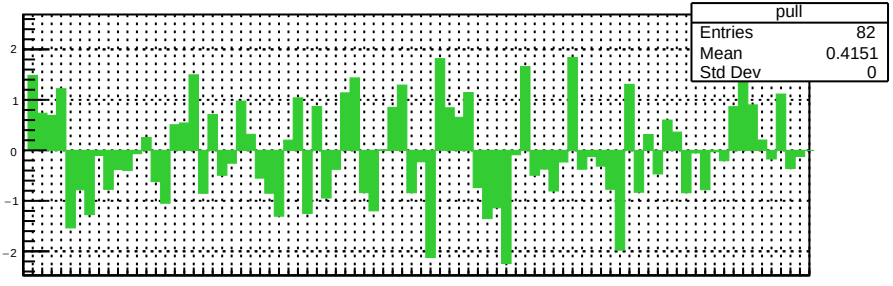

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.831e+05 / 81
p0 2.763e−10 ± 3.303e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

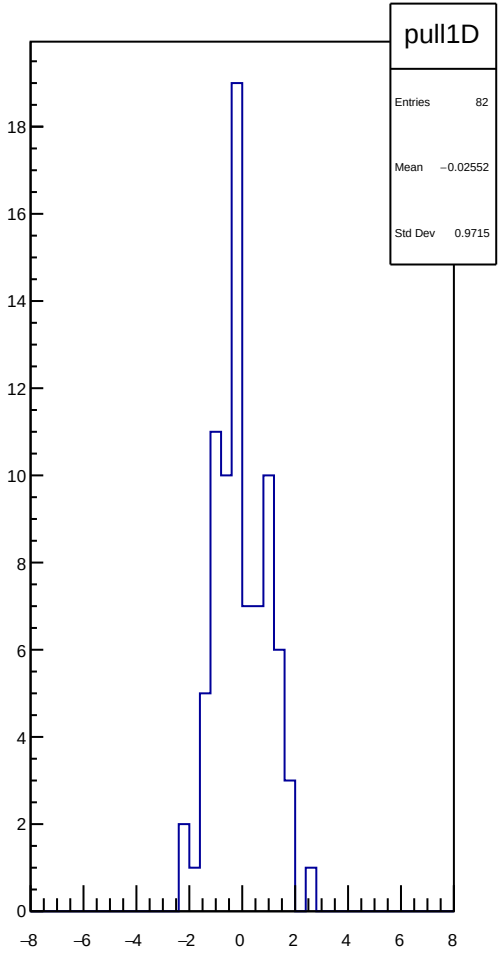

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.45 / 81
p0 −0.005425 ± 0.2132
pull
Entries 82
Mean 0.4151
Std Dev 0
pull1D
Entries 82
Mean −0.02552
Std Dev 0.9715

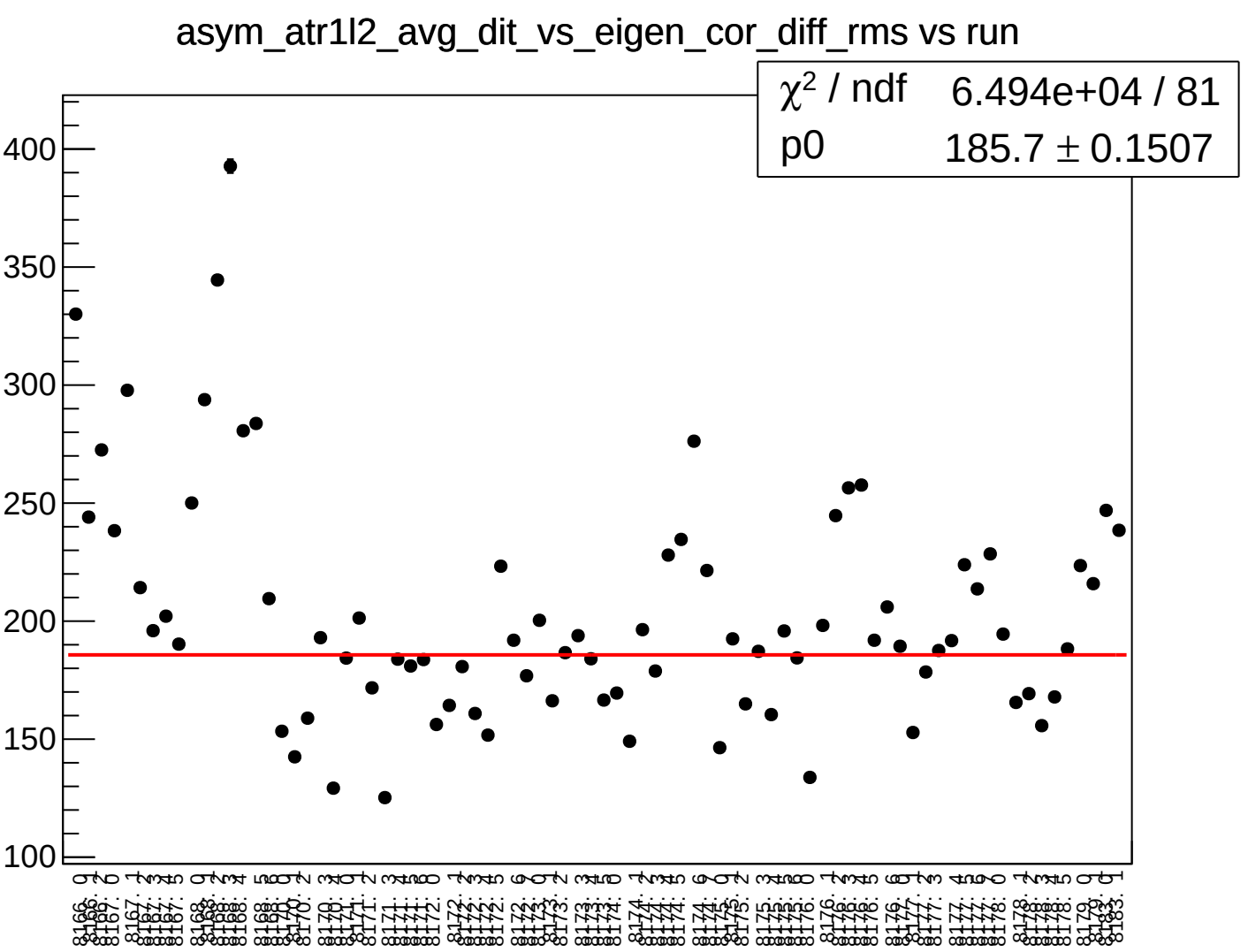

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.494e+04 / 81
p0 185.7 ± 0.1507
400
350
300
250
200
150
100

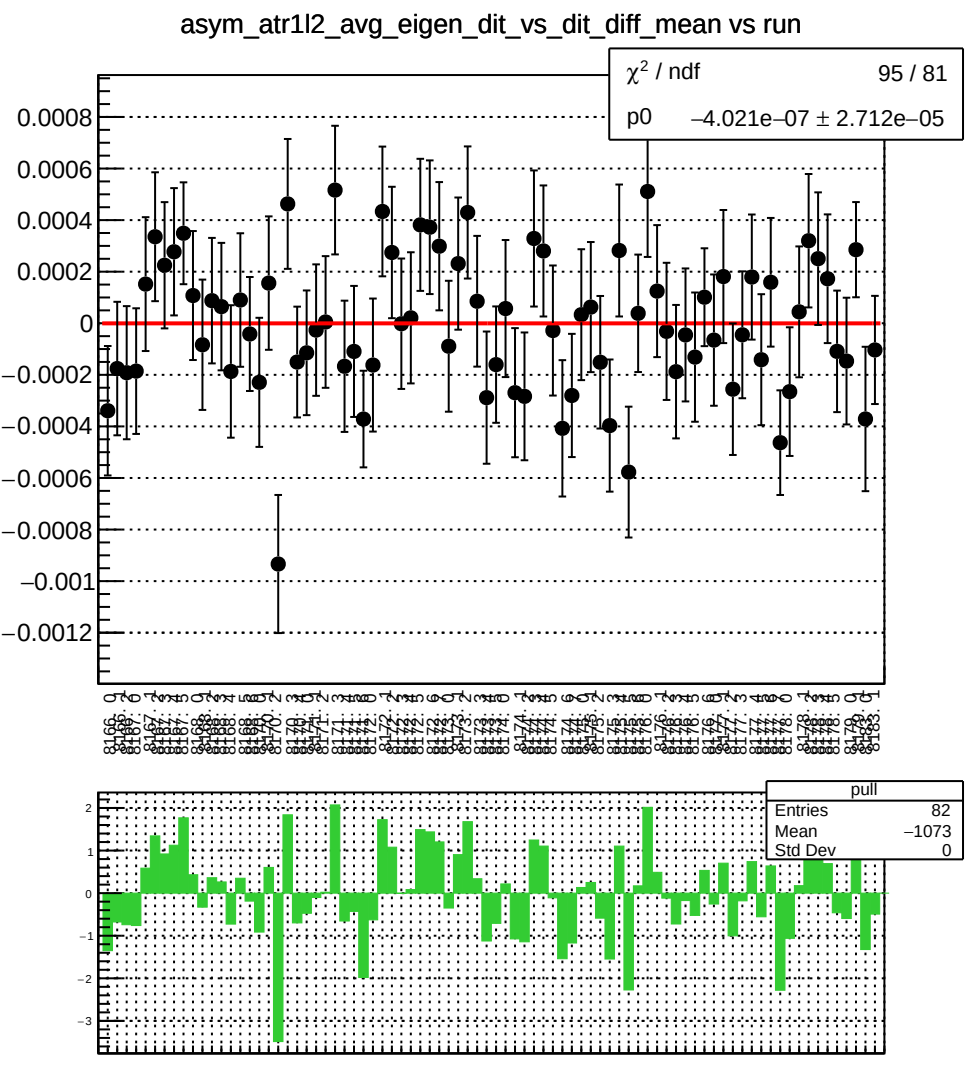
asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run

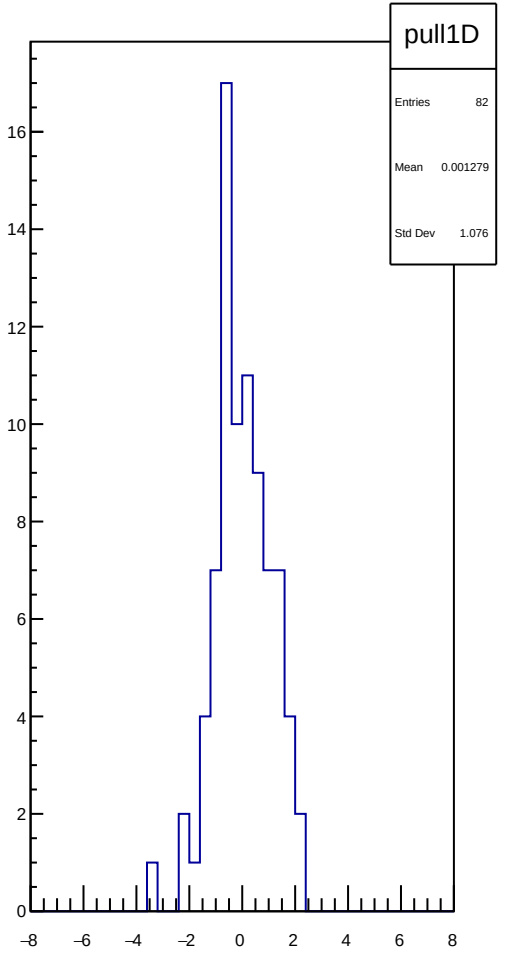


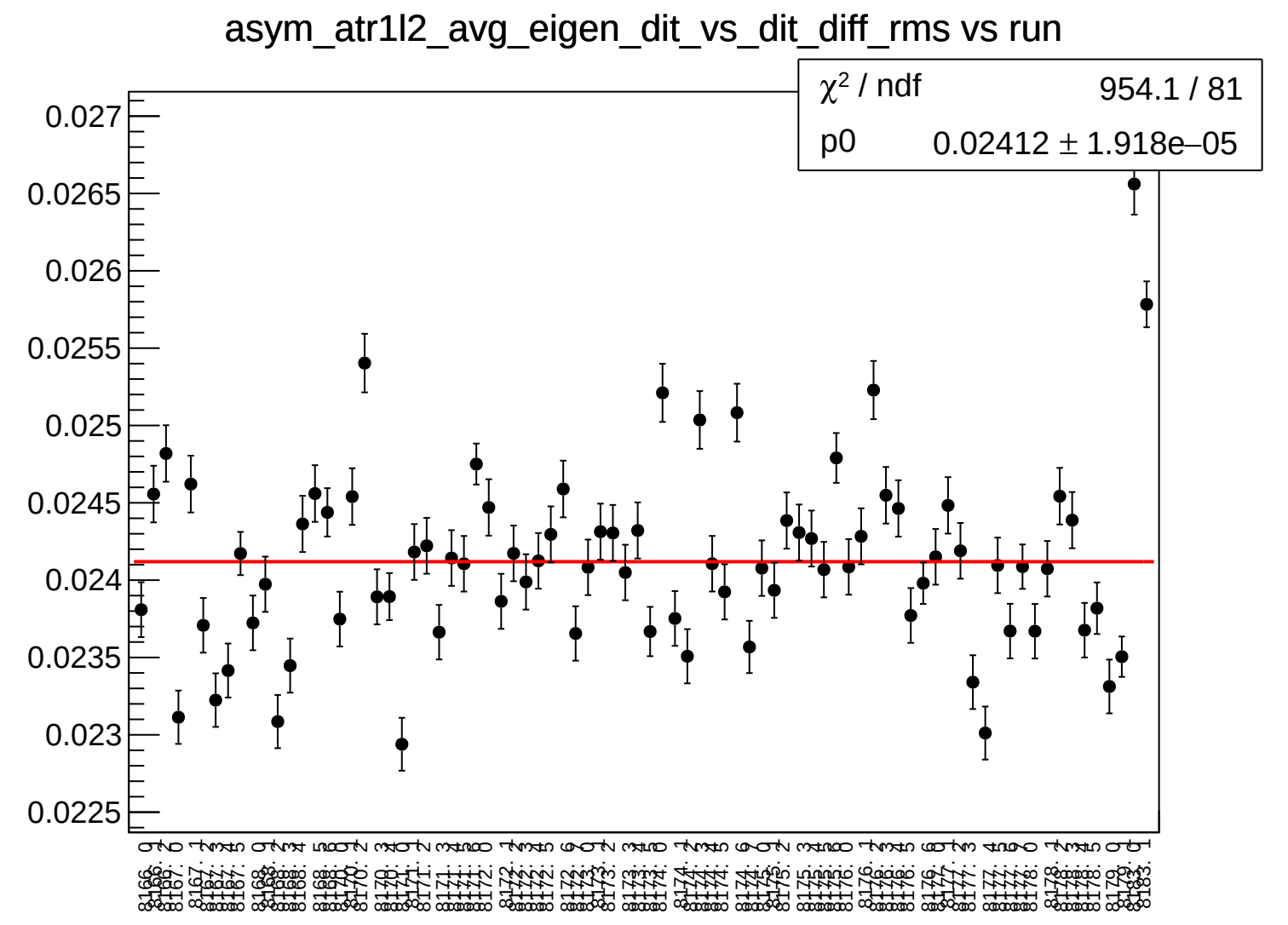




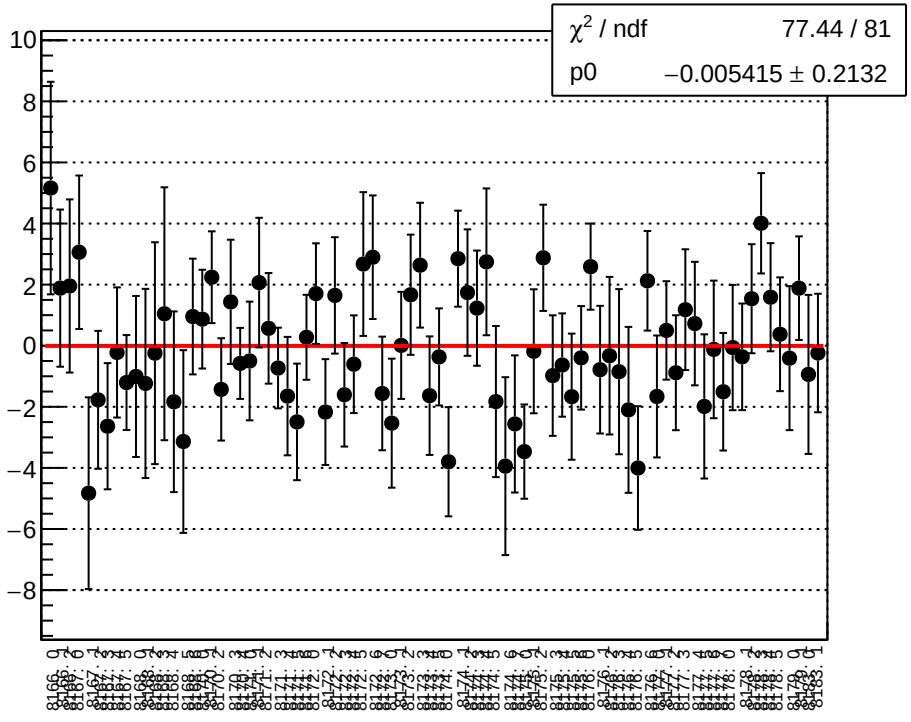

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.494e+04 / 81
p0 185.7 ± 0.1507
400
350
300
250
200
150
100

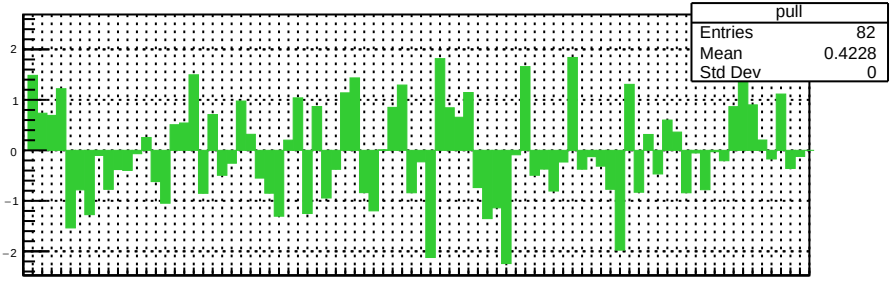

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95 / 81
p0 −4.021e−07 ± 2.712e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 82
Mean −1073
Std Dev 0
2
1
0
−1
−2
−3

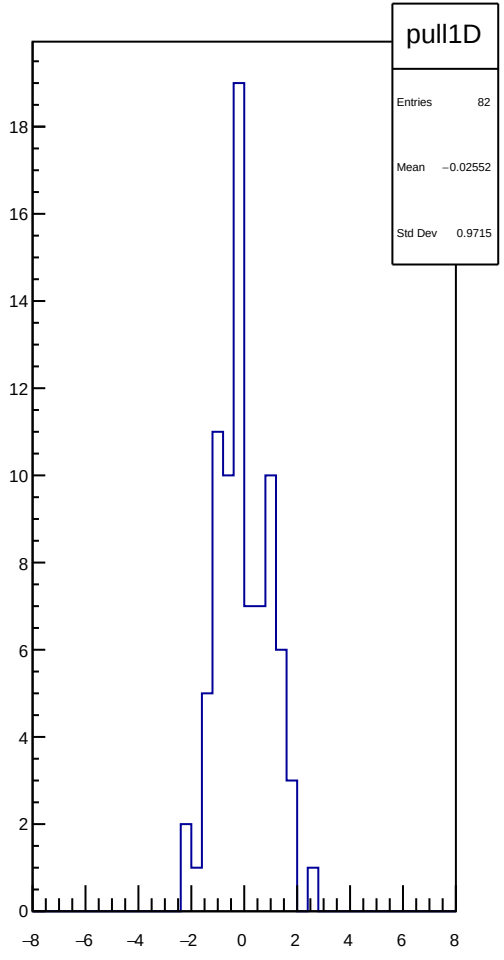

pull1D
Entries 82
Mean 0.001279
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

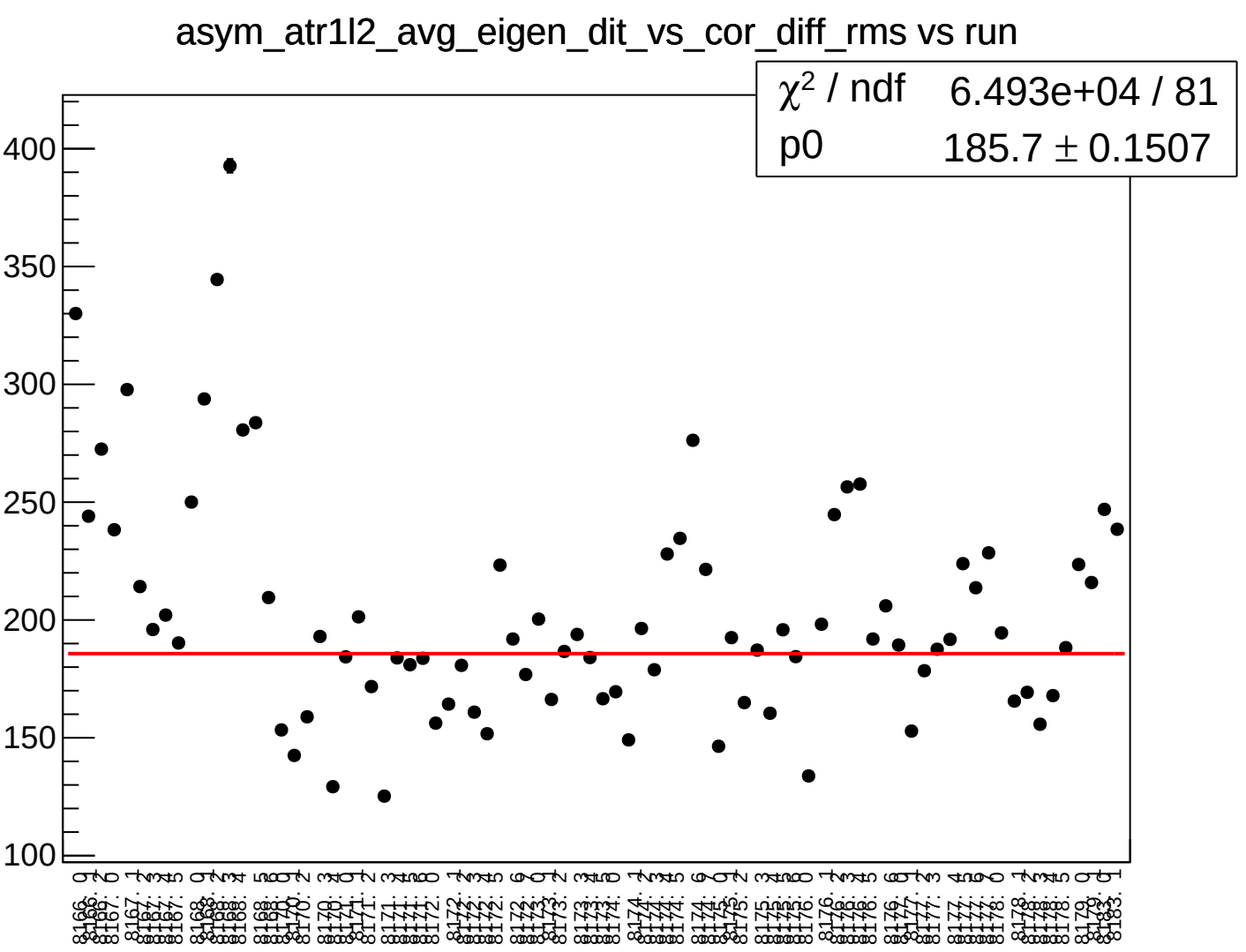

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 954.1 / 81
p0 0.02412 ± 1.918e−05
0.027
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run

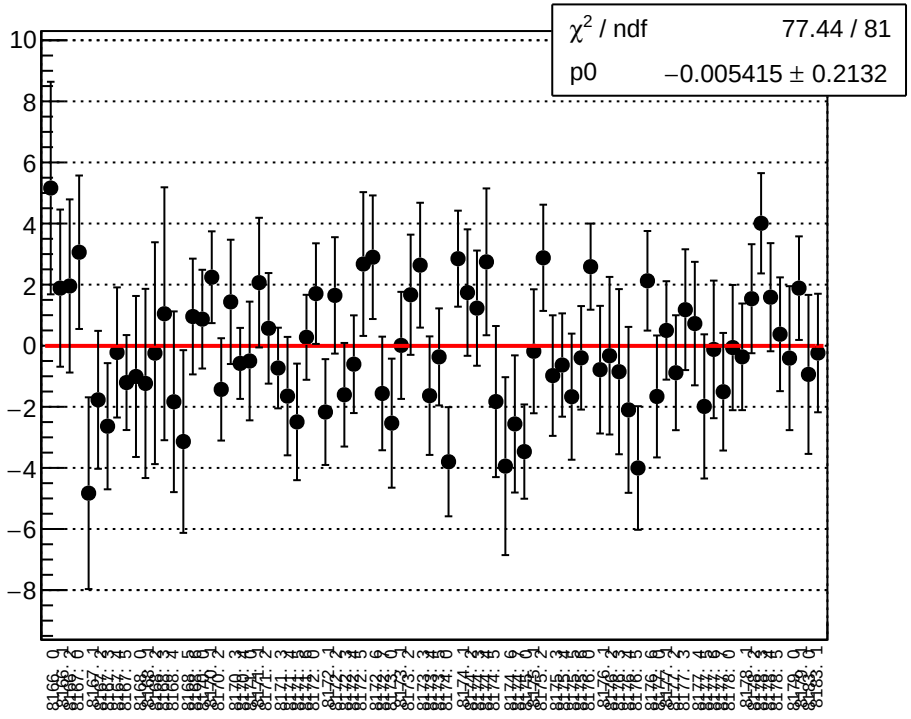


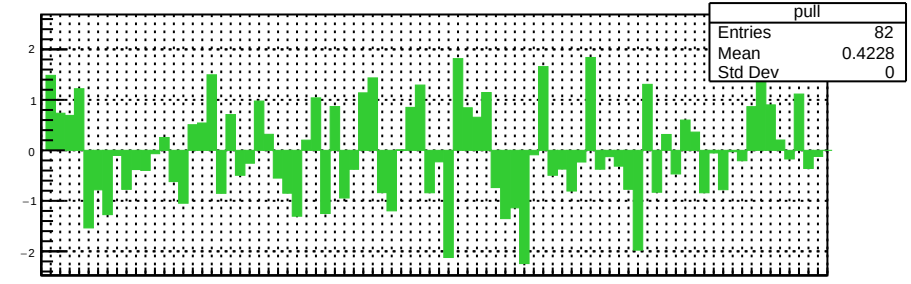


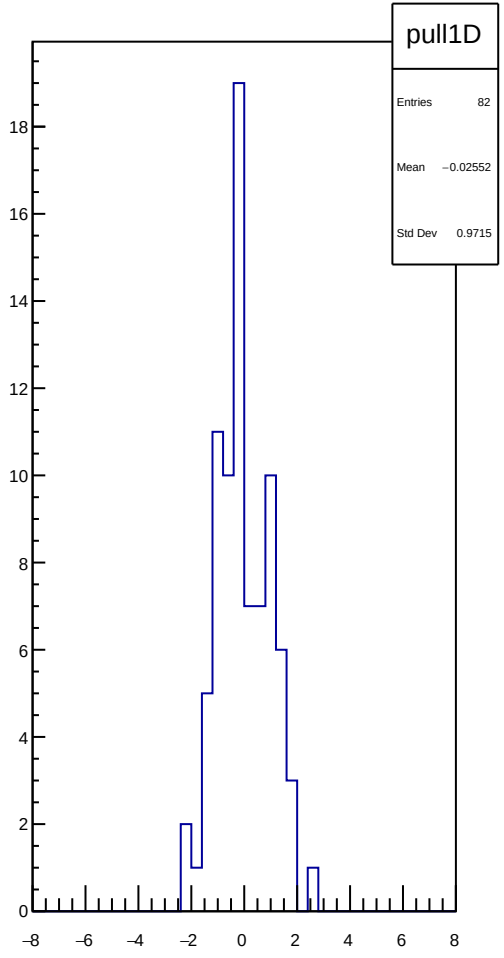


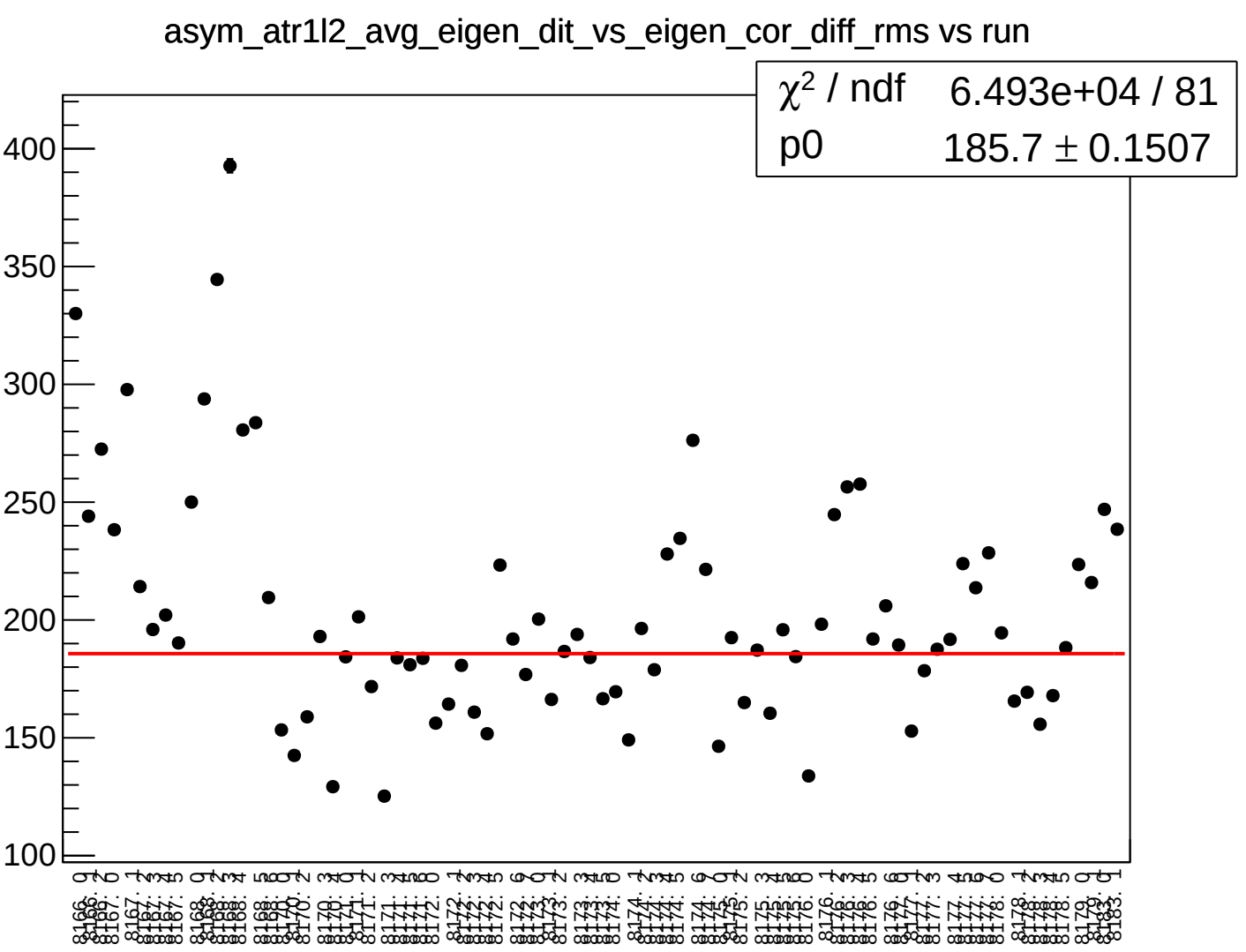

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.493e+04 / 81
p0 185.7 ± 0.1507
400
350
300
250
200
150
100

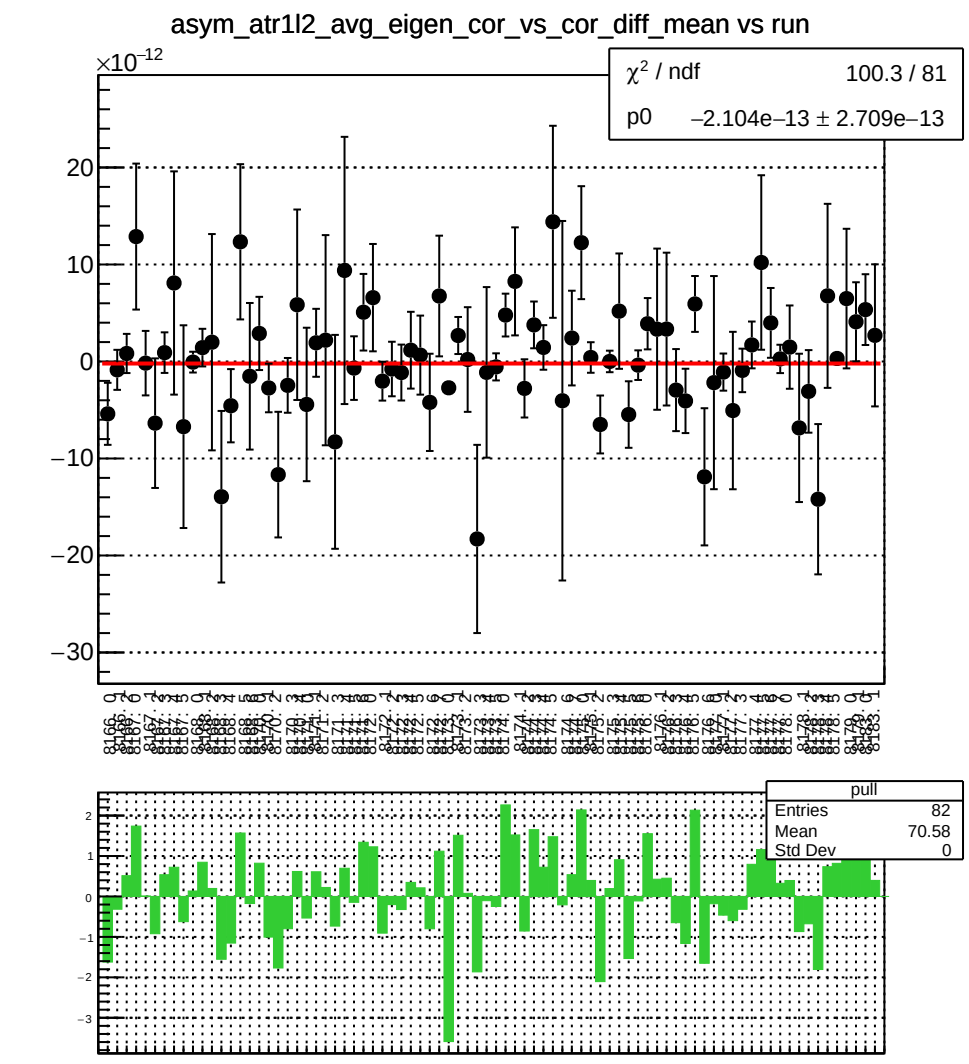
asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

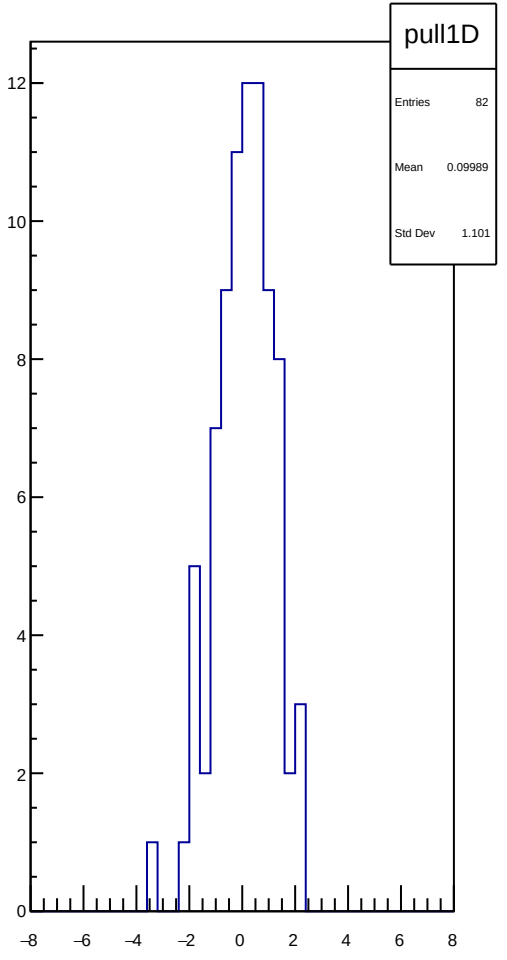


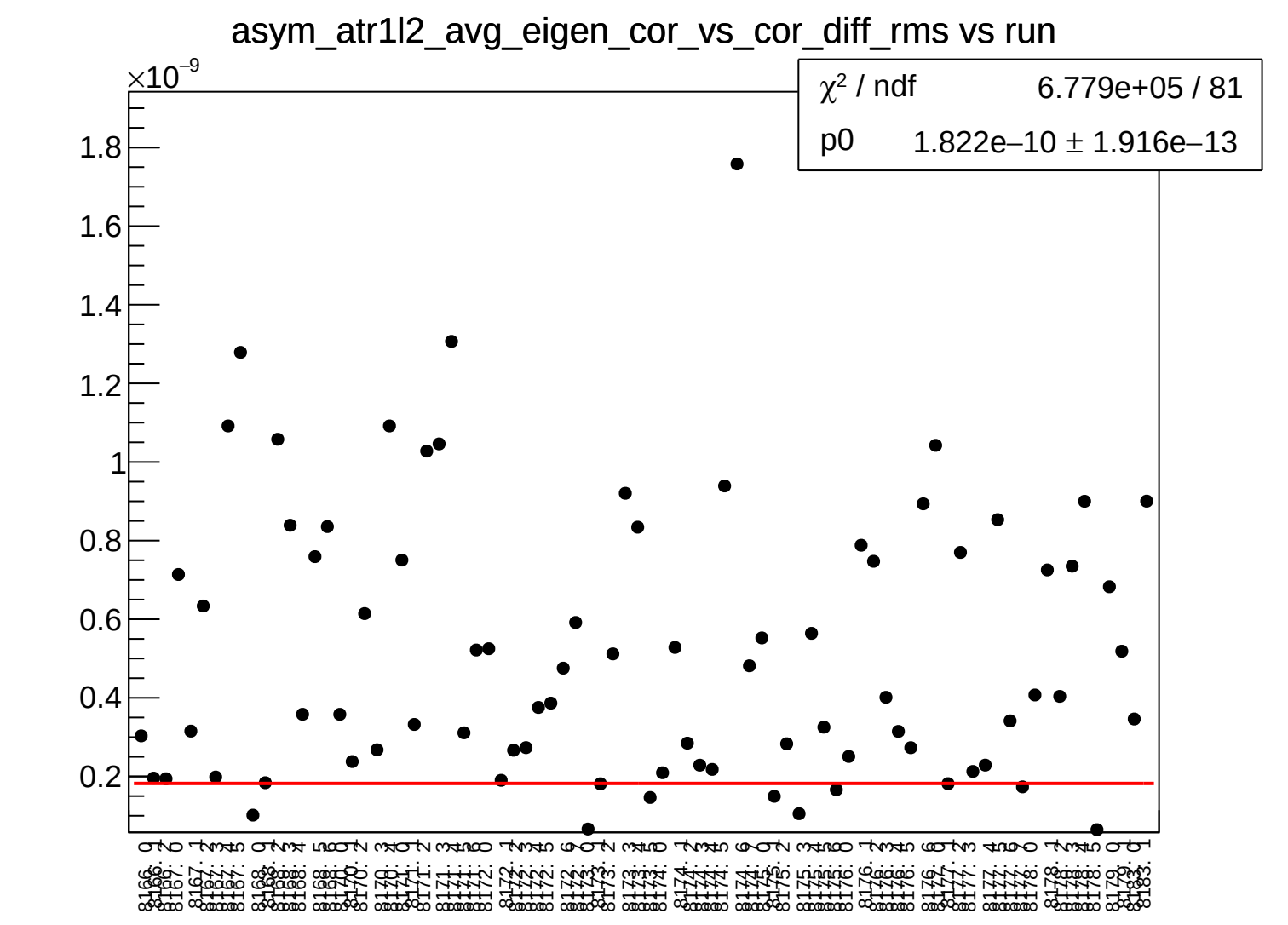


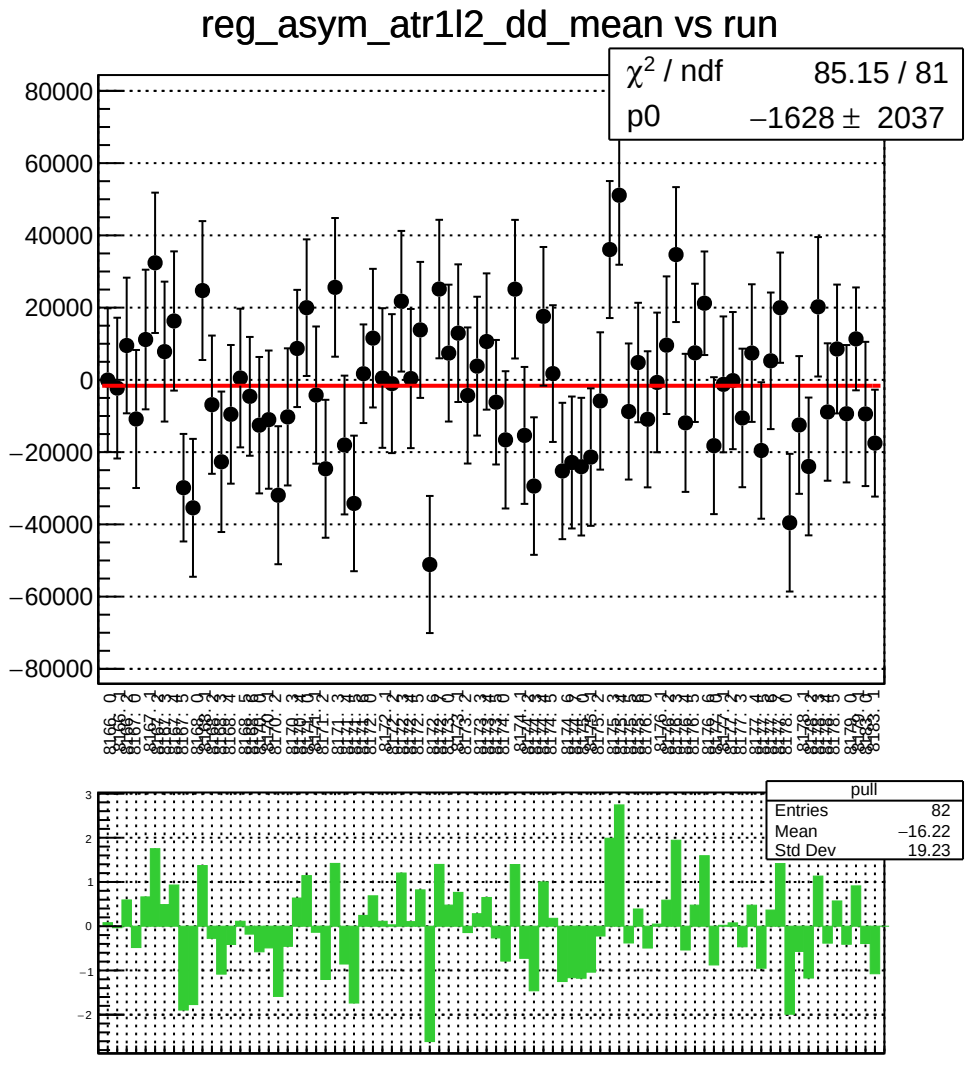


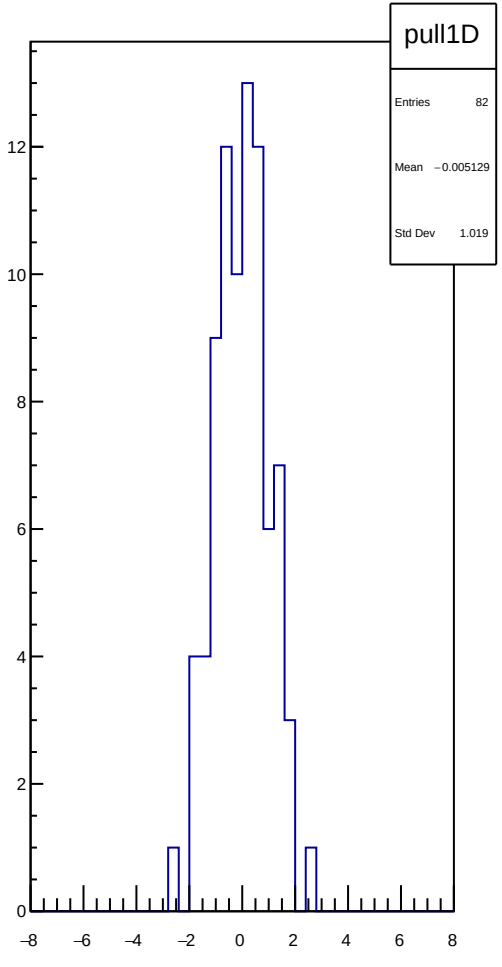

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.493e+04 / 81
p0 185.7 ± 0.1507
400
350
300
250
200
150
100

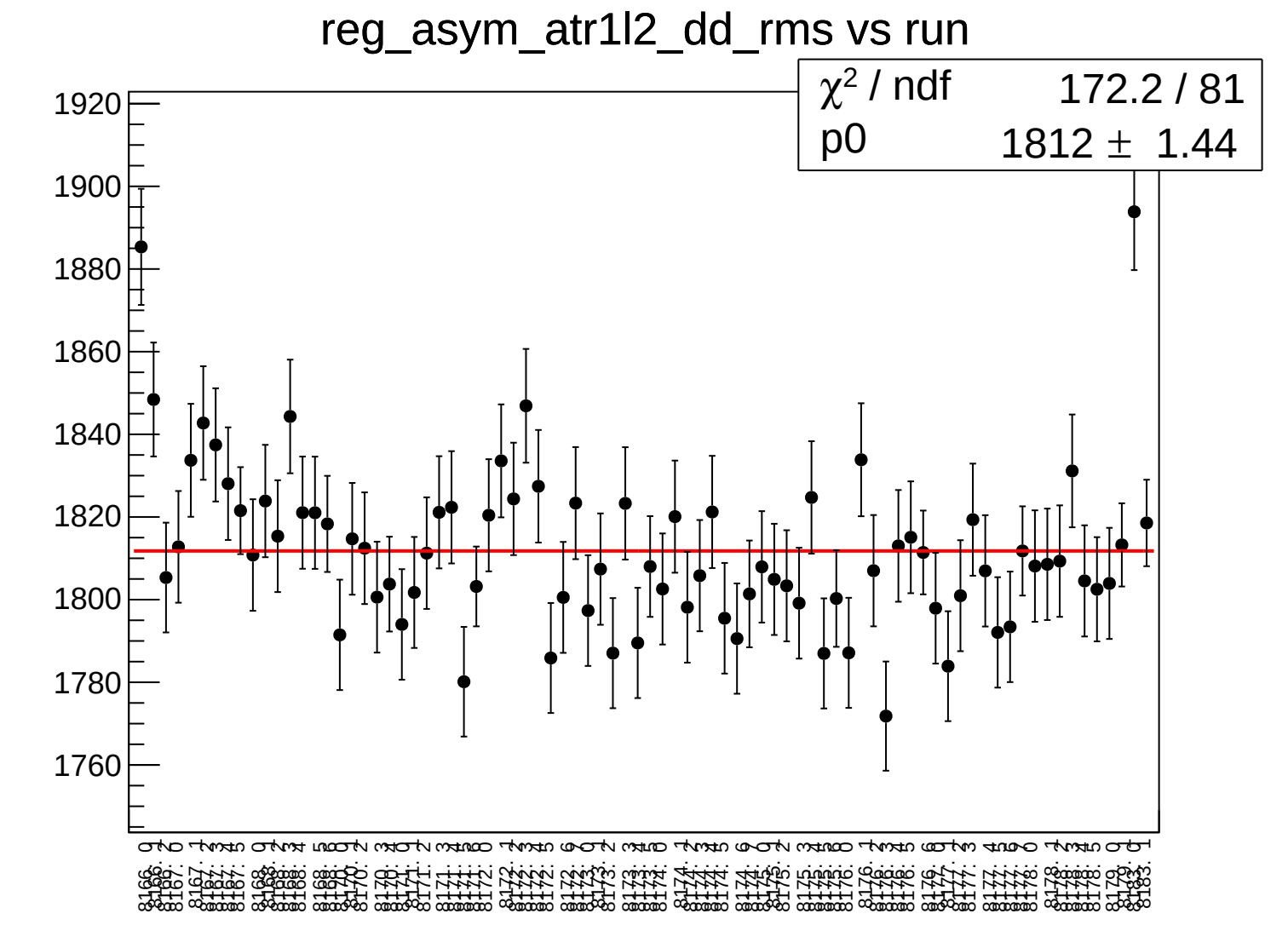

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 100.3 / 81
p0 −2.104e−13 ± 2.709e−13
pull
Entries 82
Mean 70.58
Std Dev 0

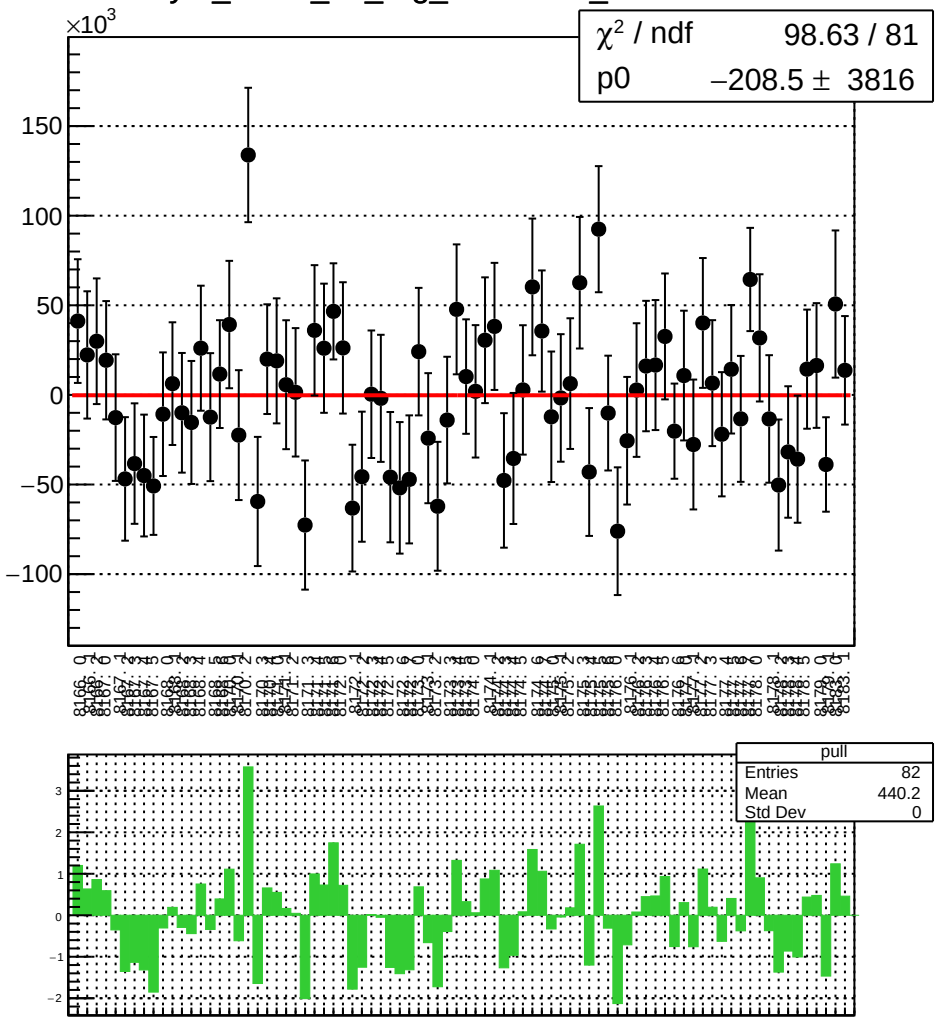

pull1D
Entries 82
Mean 0.09989
Std Dev 1.101

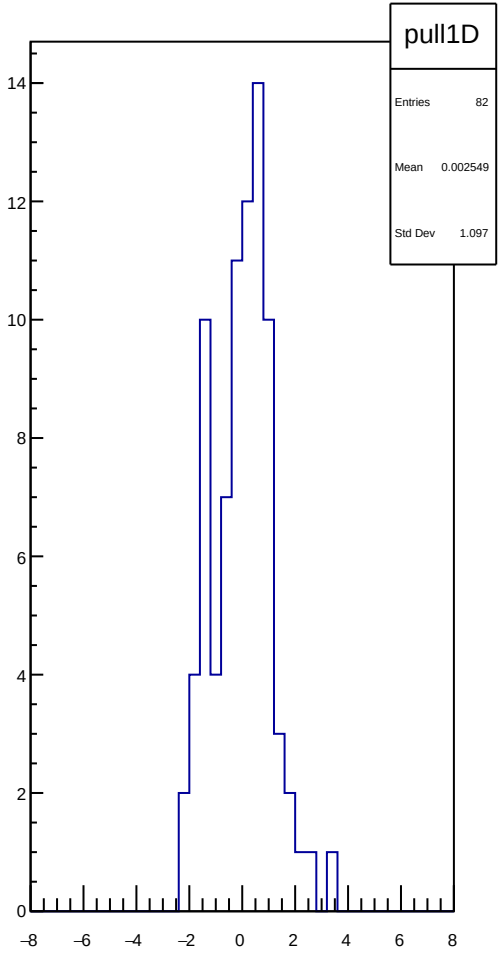

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.779e+05 / 81
p0 1.822e−10 ± 1.916e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

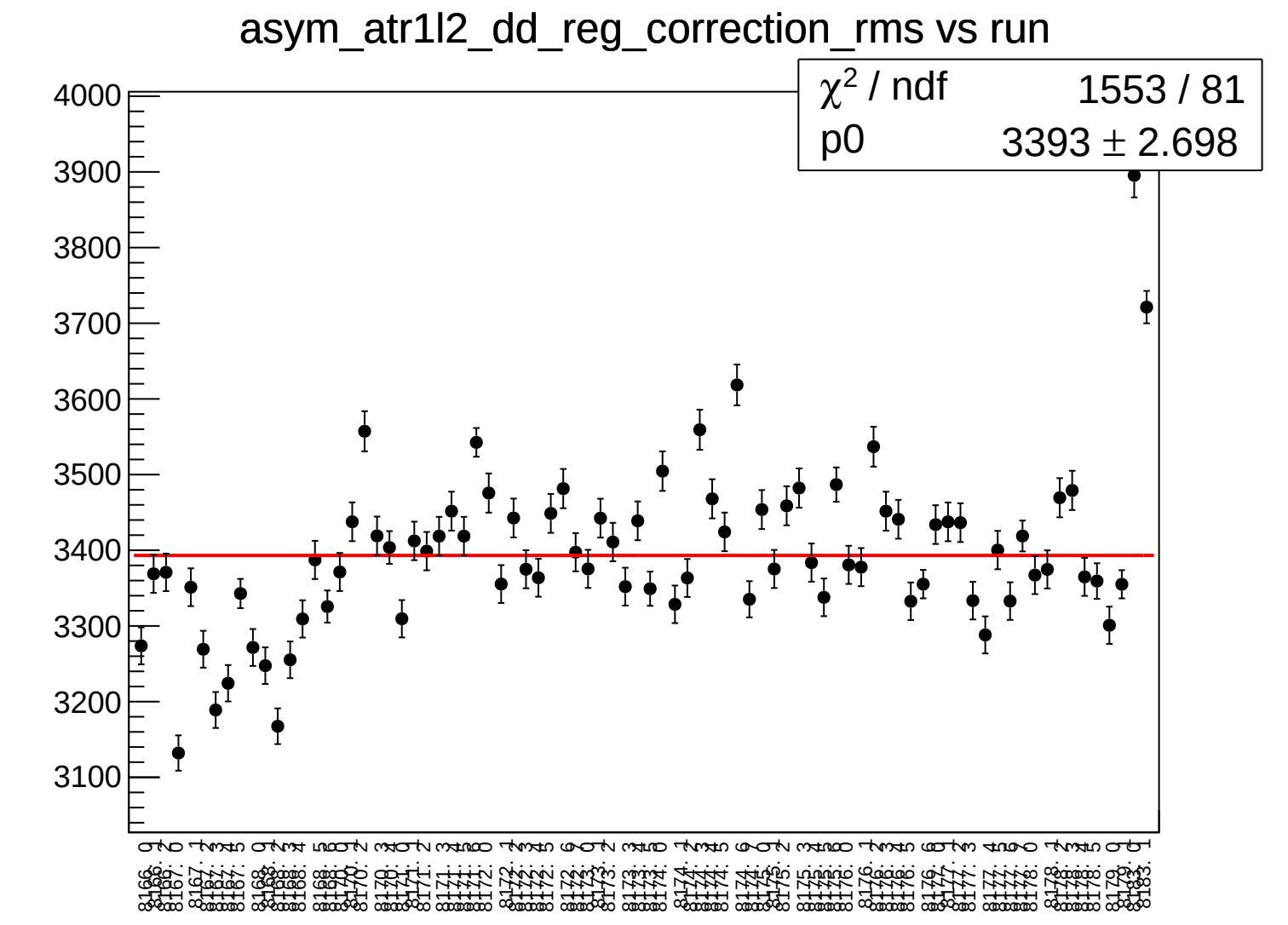

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 85.15 / 81
p0 −1628 ± 2037
pull
Entries 82
Mean −16.22
Std Dev 19.23

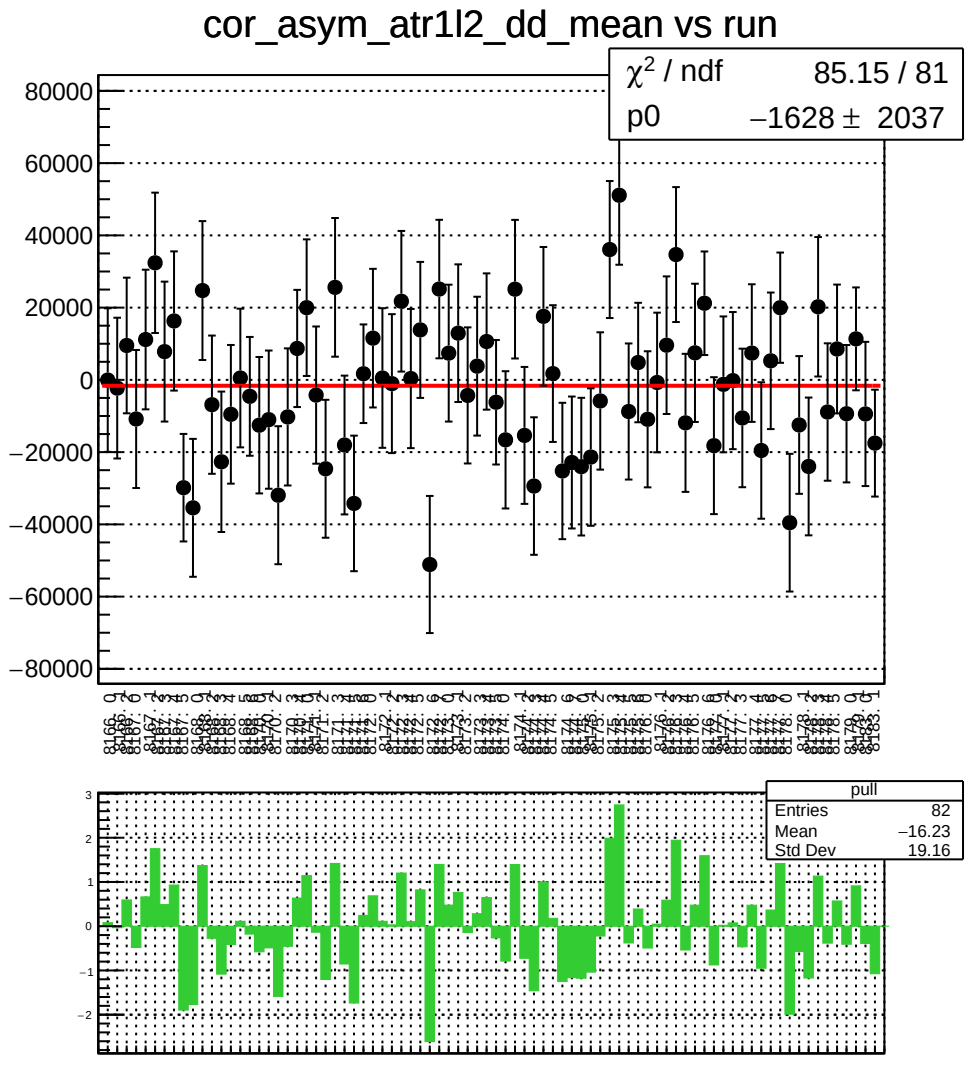

pull1D
Entries 82
Mean −0.005129
Std Dev 1.019

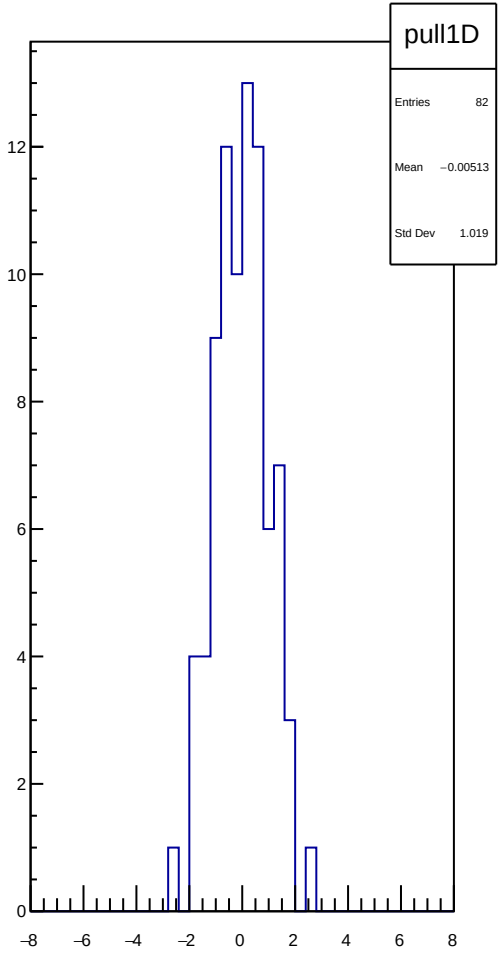

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 172.2 / 81
p0 1812 ± 1.44
1920
1900
1880
1860
1840
1820
1800
1780
1760

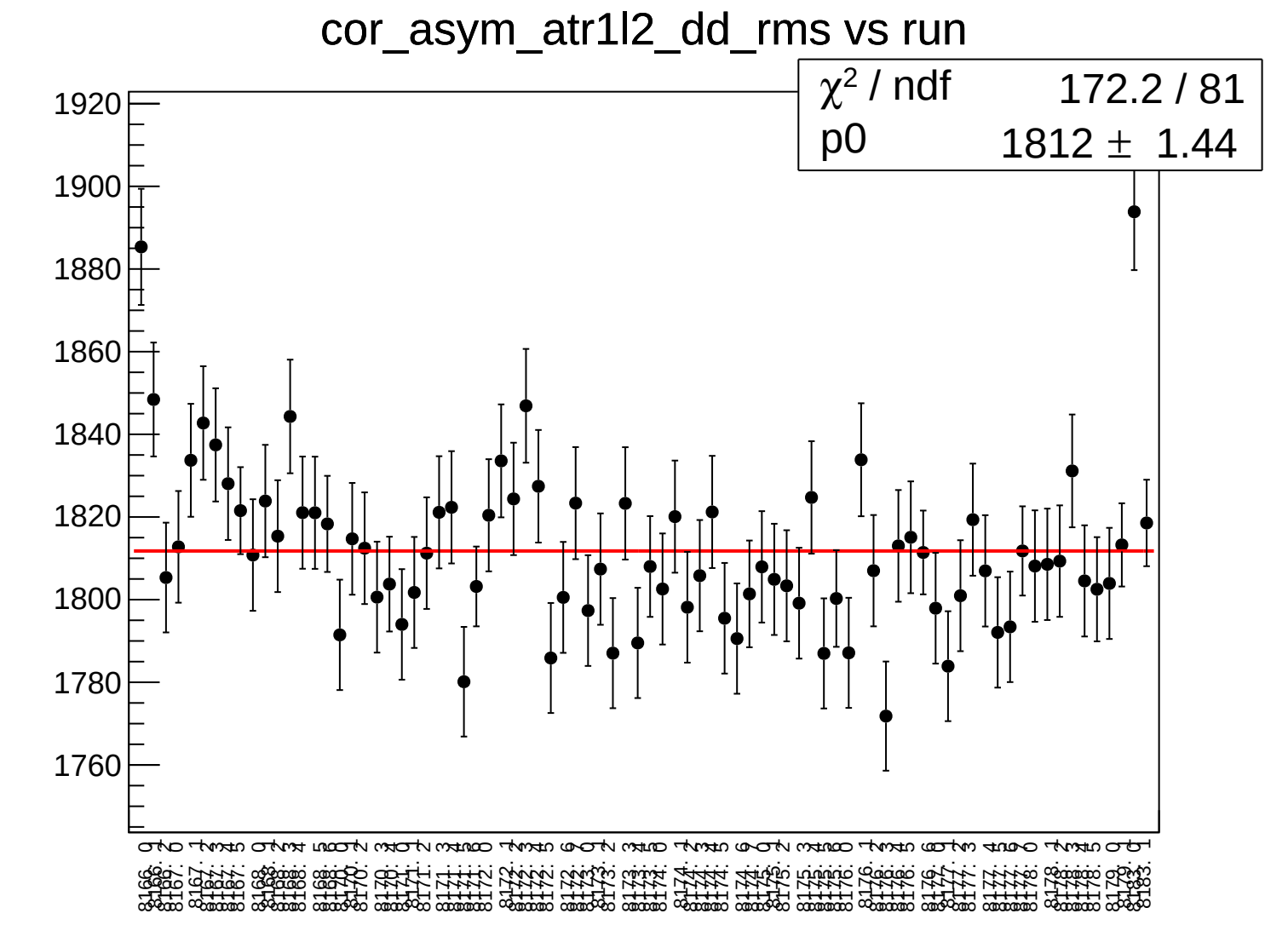

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 98.63 / 81
p0 −208.5 ± 3816
150
100
50
0
−50
−100
pull
Entries 82
Mean 440.2
Std Dev 0
3
2
1
0
−1
−2

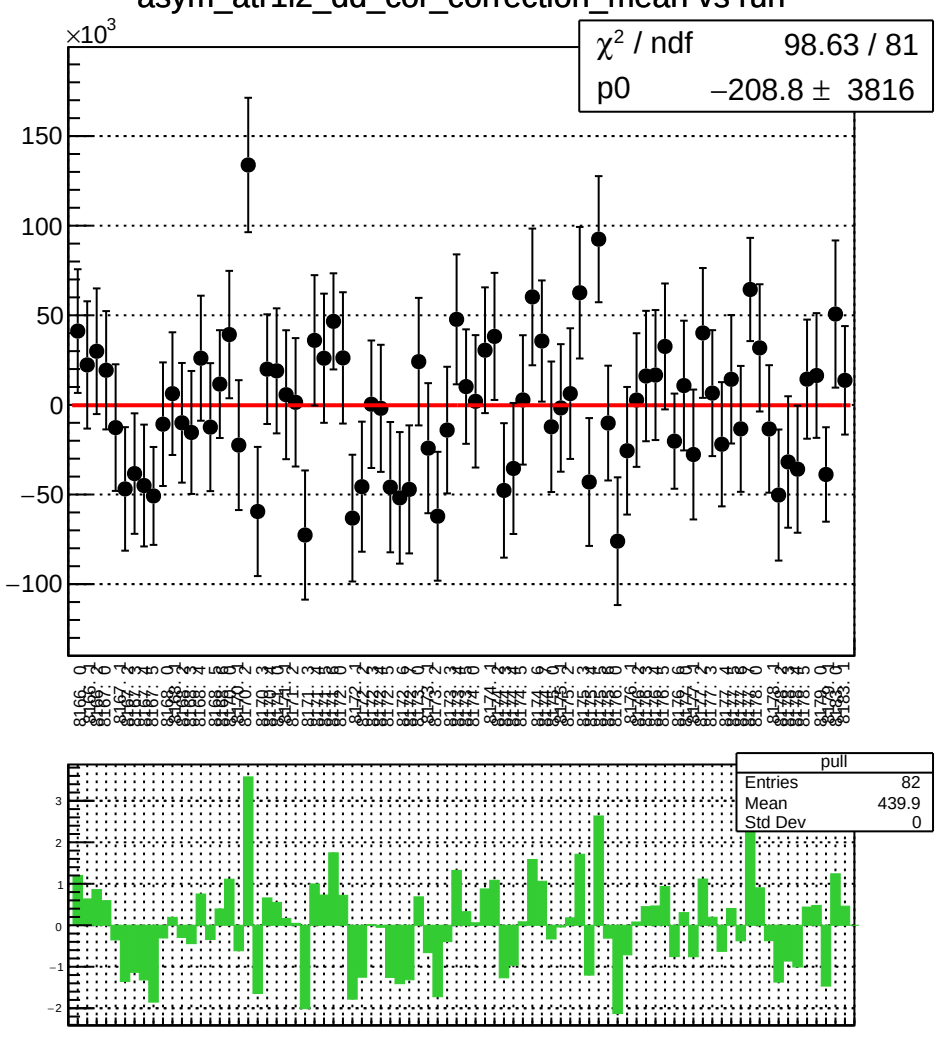

pull1D
Entries 82
Mean 0.002549
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

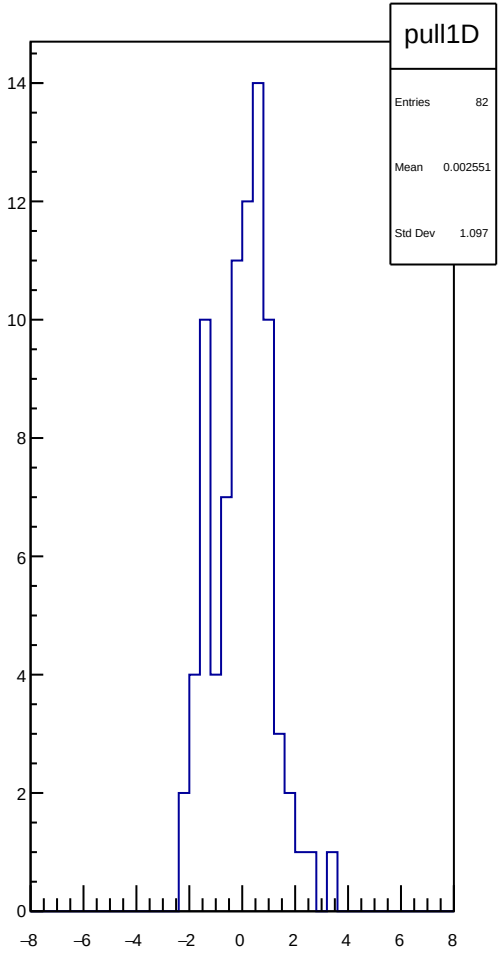

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1553 / 81
p0 3393 ± 2.698
4000
3900
3800
3700
3600
3500
3400
3300
3200
3100

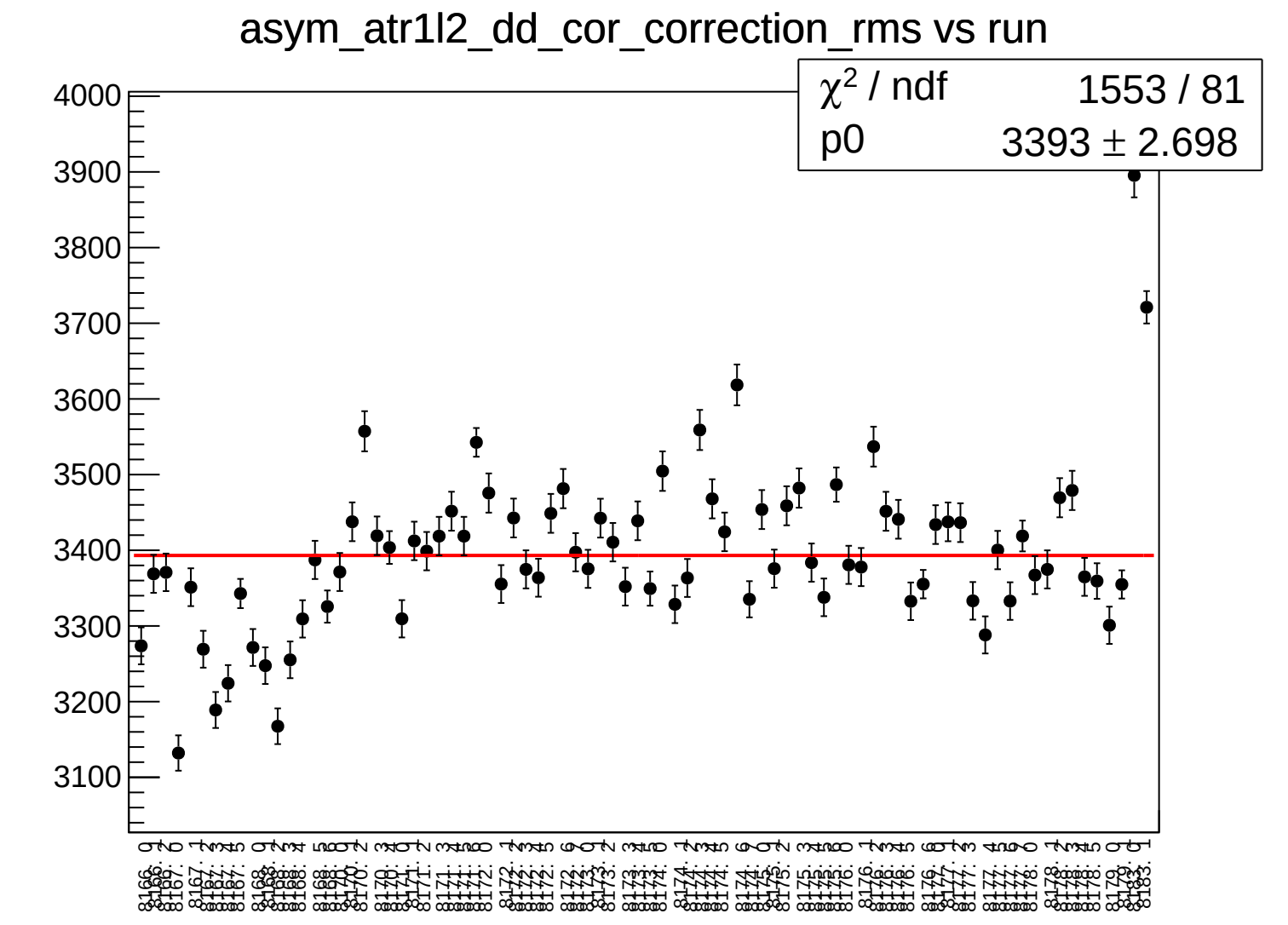

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 85.15 / 81
p0 −1628 ± 2037
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −16.23
Std Dev 19.16
3
2
1
0
−1
−2

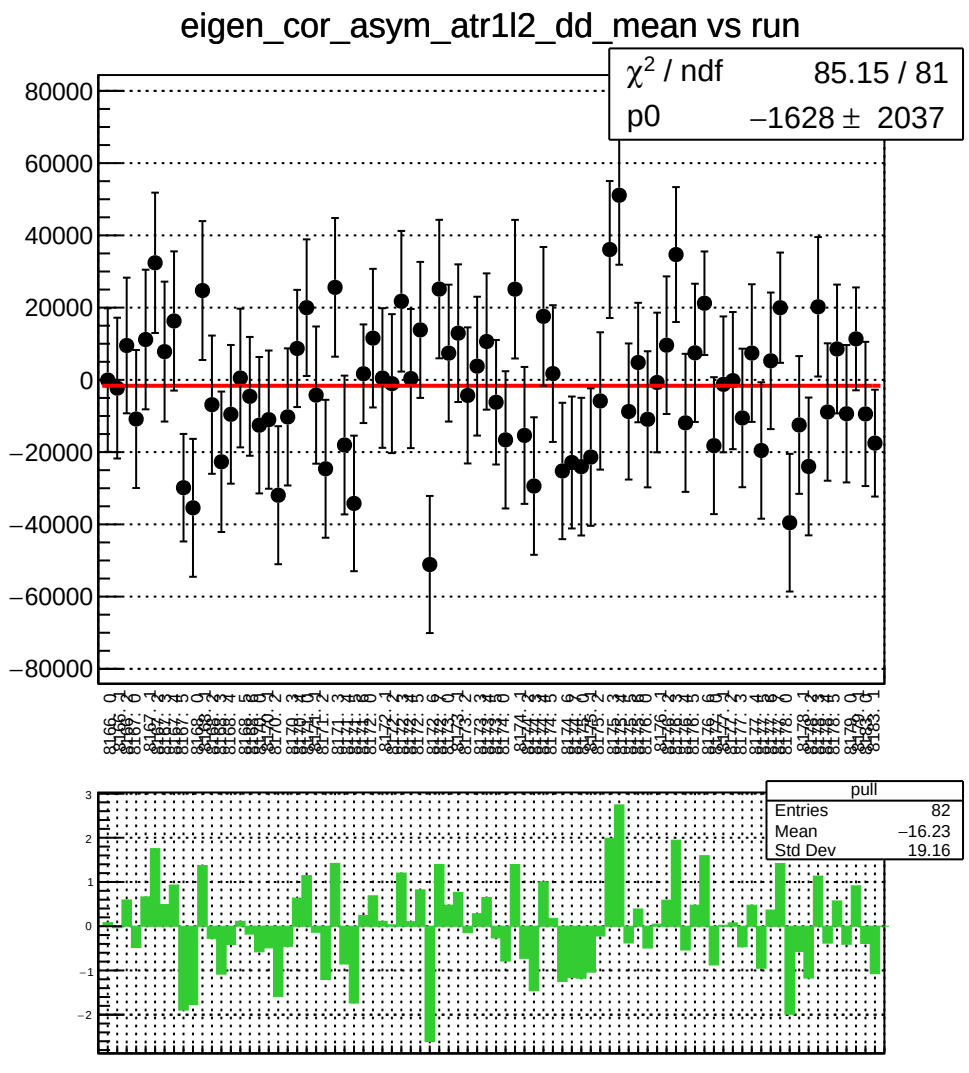

pull1D
Entries 82
Mean −0.00513
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

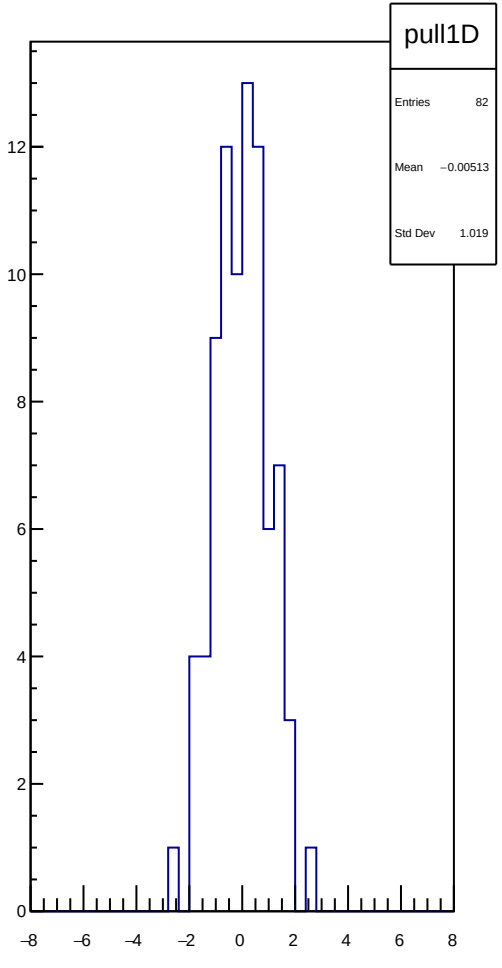

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 172.2 / 81
p0 1812 ± 1.44
1920
1900
1880
1860
1840
1820
1800
1780
1760

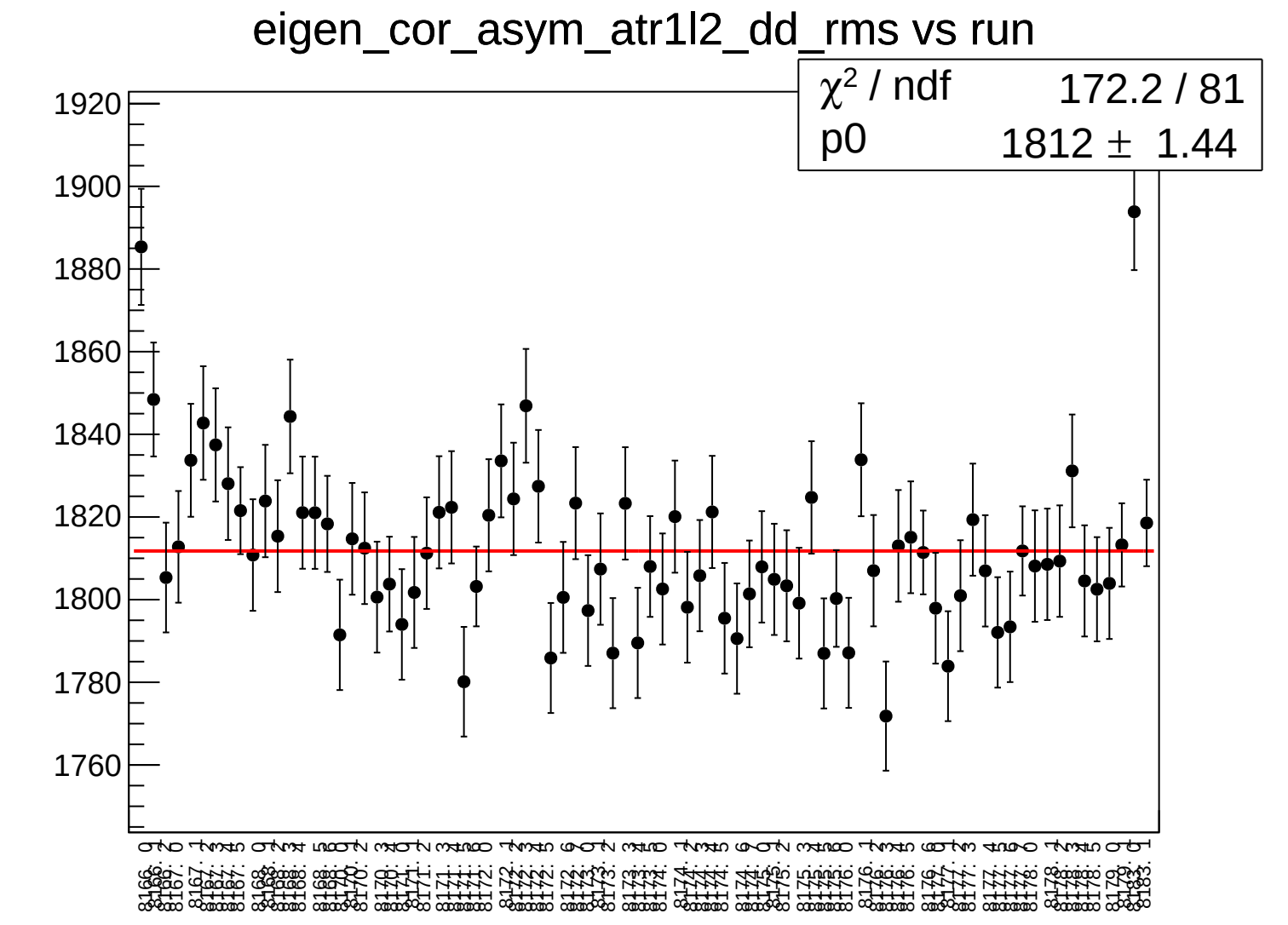

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 98.63 / 81
p0 −208.8 ± 3816
150
100
50
0
−50
−100
pull
Entries 82
Mean 439.9
Std Dev 0
3
2
1
0
−1
−2

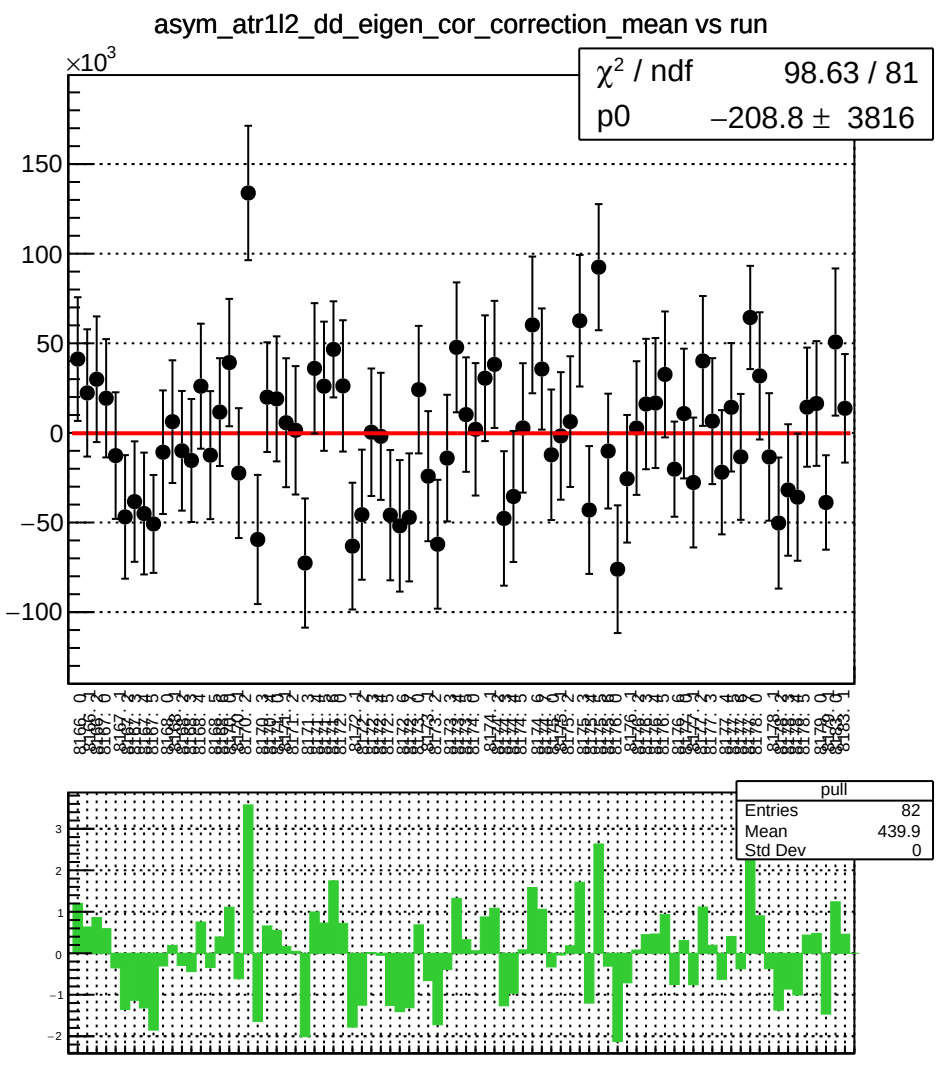

pull1D
Entries 82
Mean 0.002551
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

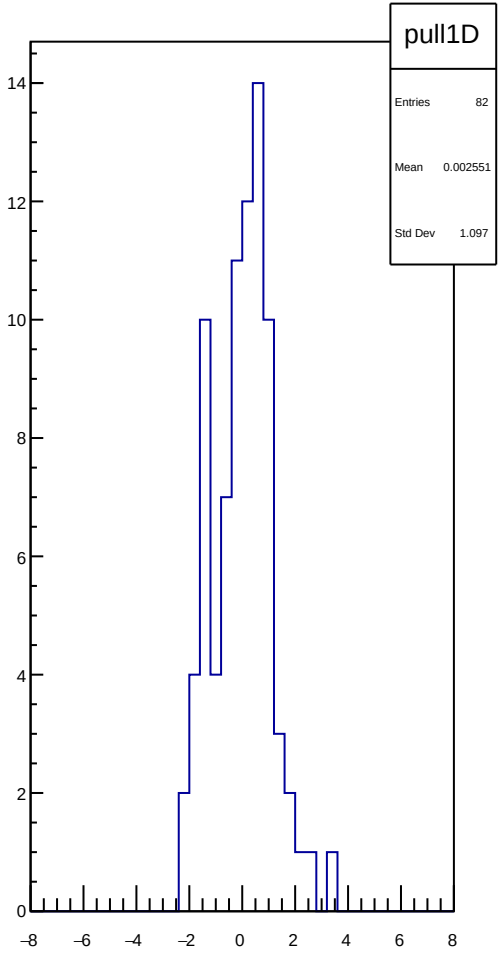

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 1553 / 81
p0 3393 ± 2.698
4000
3900
3800
3700
3600
3500
3400
3300
3200
3100

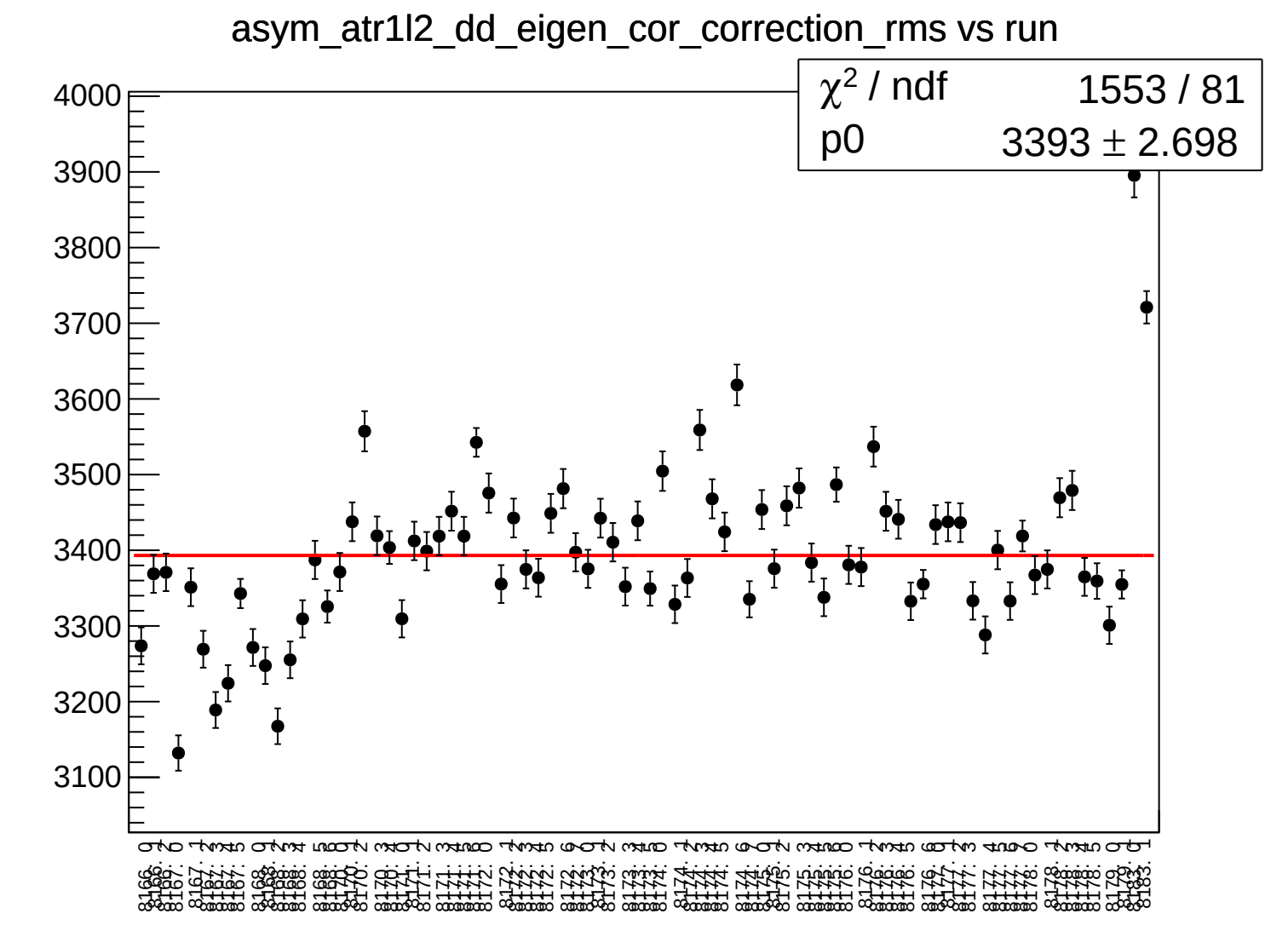

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 85.15 / 81
p0 −1628 ± 2037
pull
Entries 82
Mean −16.23
Std Dev 19.16

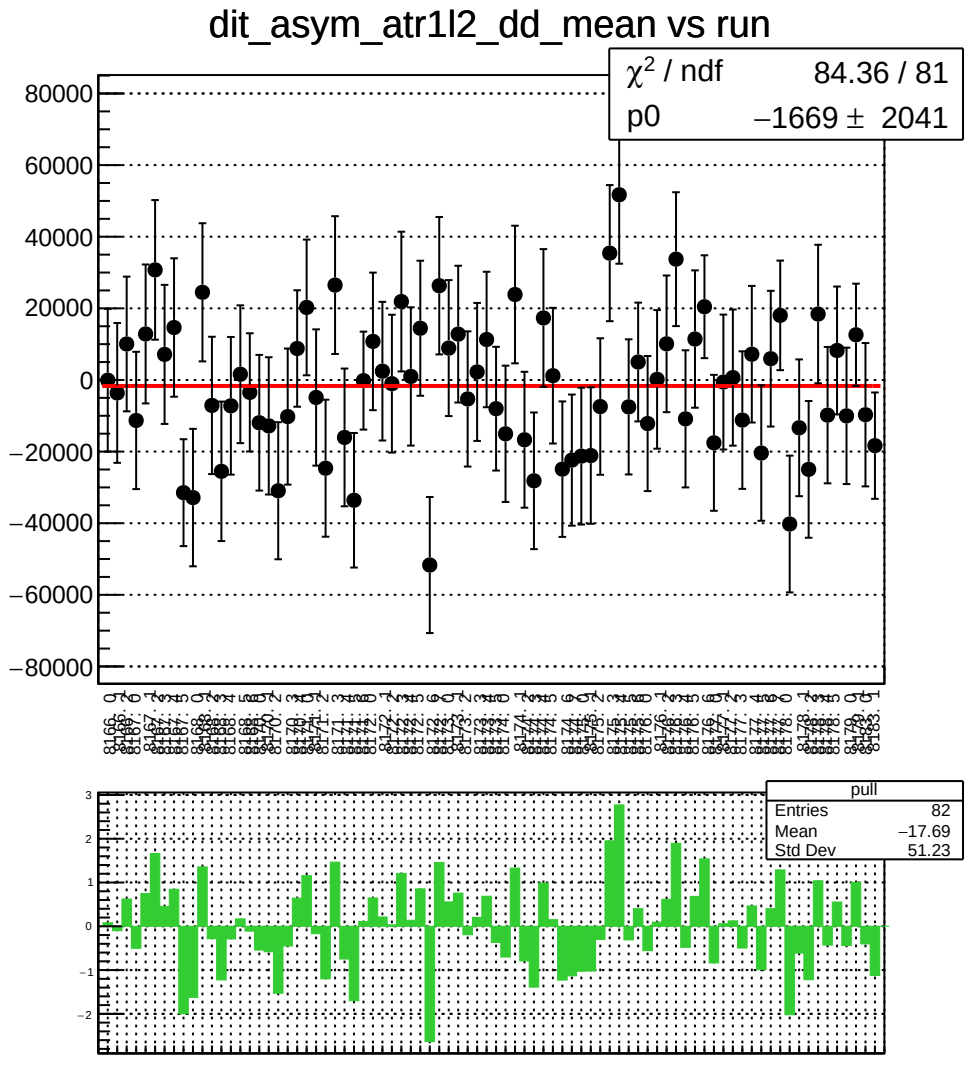

pull1D
Entries 82
Mean −0.00513
Std Dev 1.019

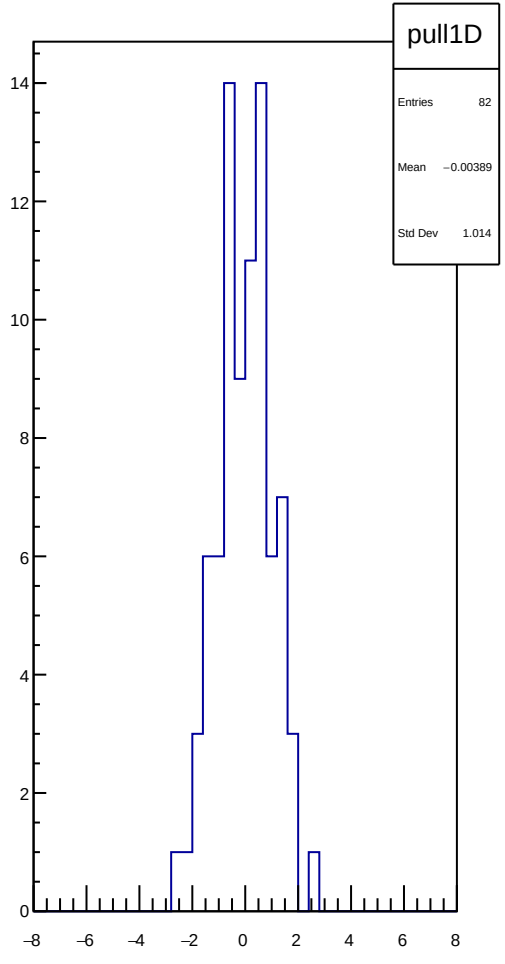

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 172.2 / 81
p0 1812 ± 1.44
1920
1900
1880
1860
1840
1820
1800
1780
1760

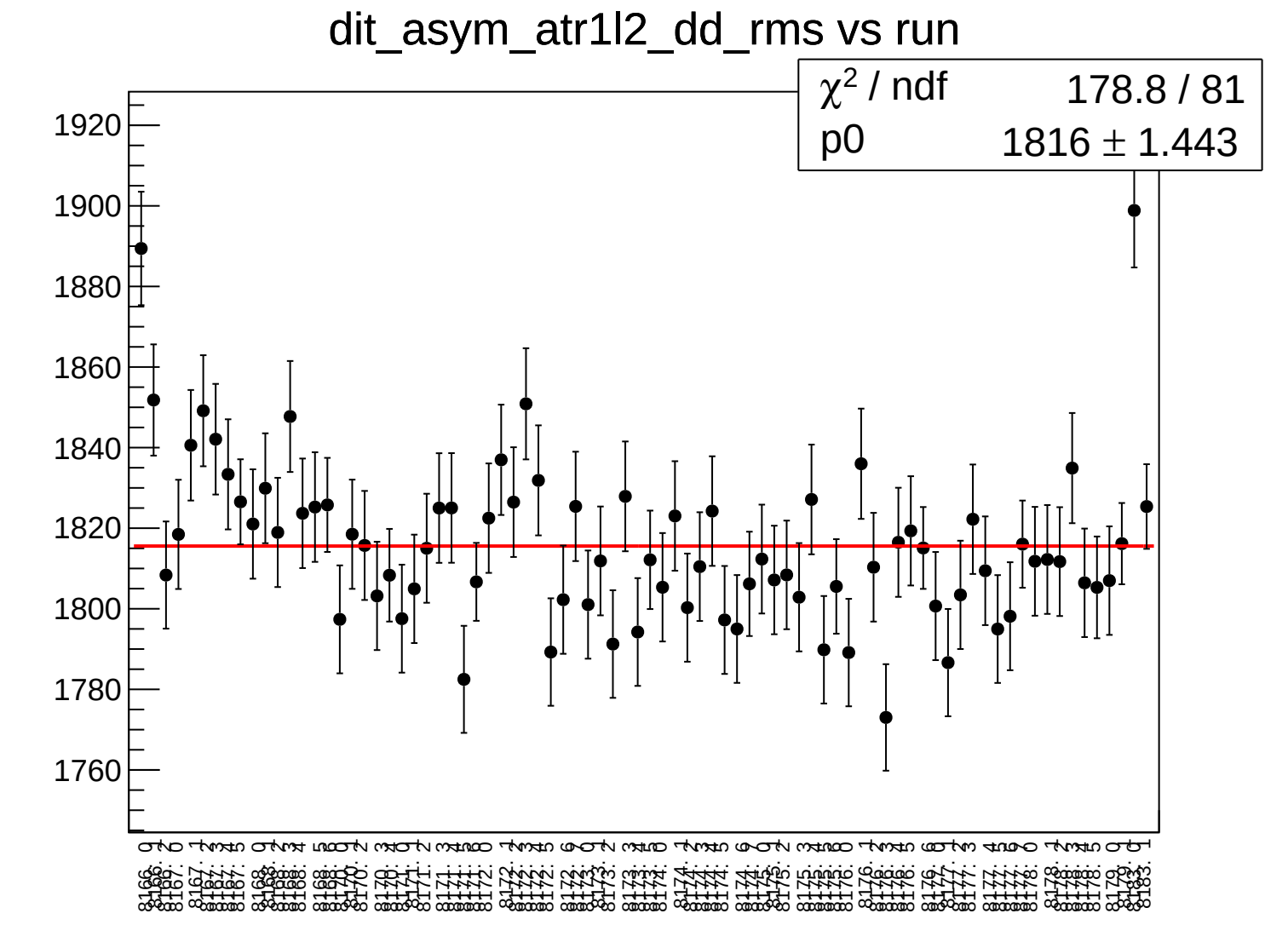

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 98.63 / 81
p0 −208.8 ± 3816
150
100
50
0
−50
−100
pull
Entries 82
Mean 439.9
Std Dev 0
3
2
1
0
−1
−2

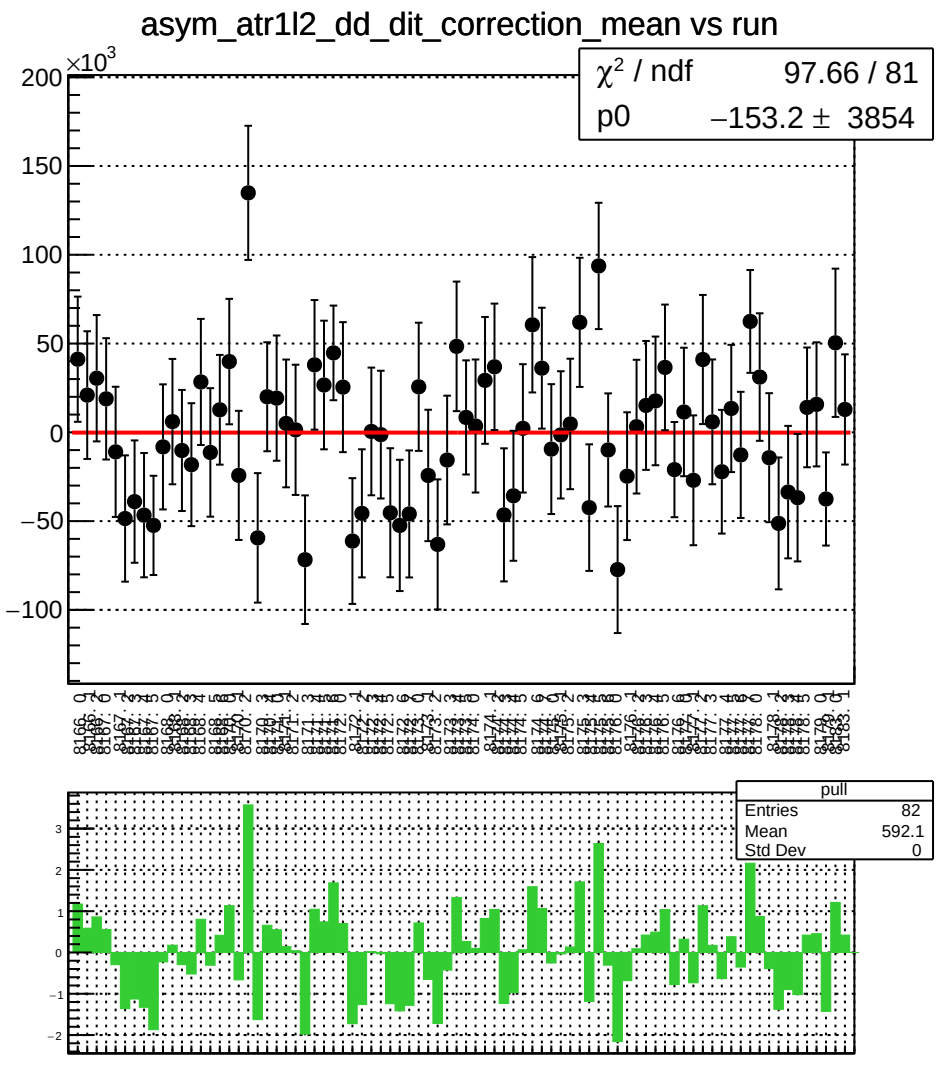

pull1D
Entries 82
Mean 0.002551
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

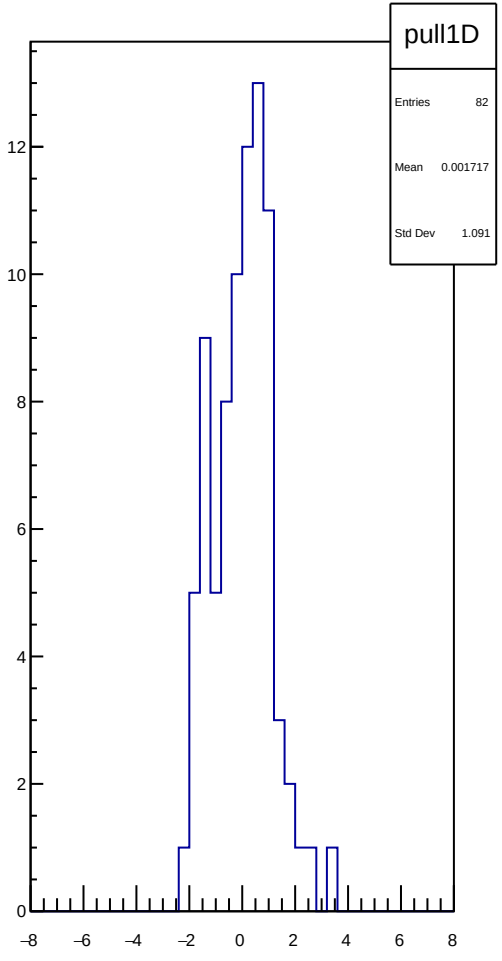

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1553 / 81
p0 3393 ± 2.698
4000
3900
3800
3700
3600
3500
3400
3300
3200
3100

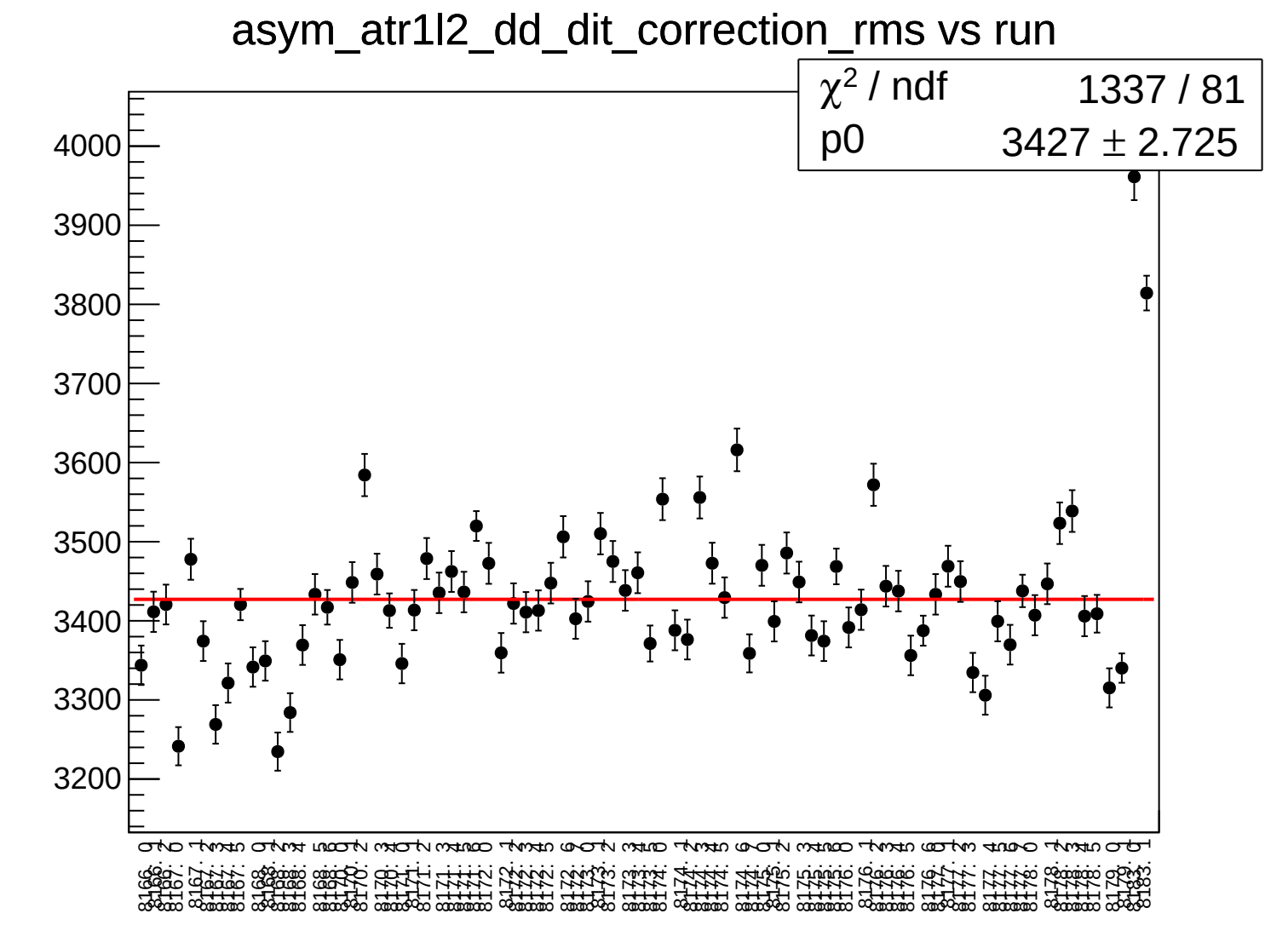

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 84.36 / 81
p0 −1669 ± 2041
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −17.69
Std Dev 51.23
3
2
1
0
−1
−2

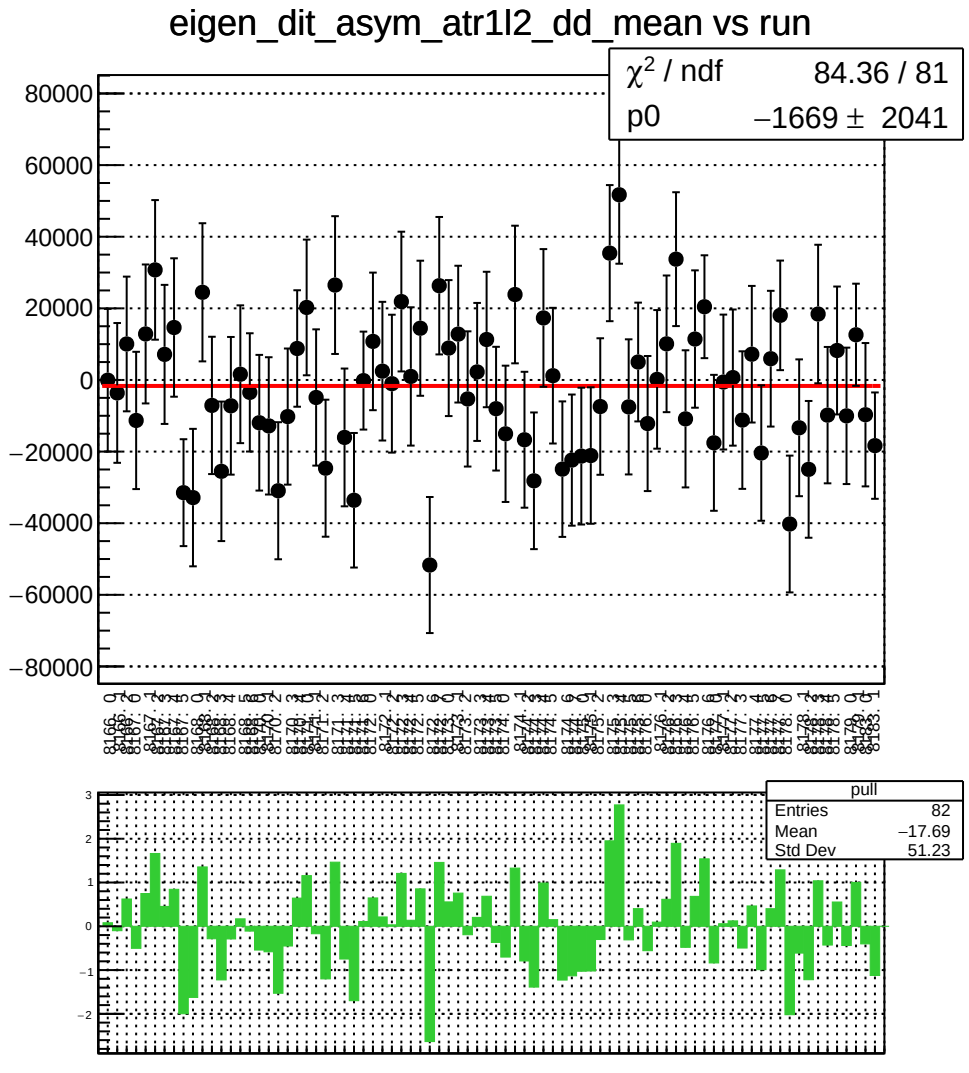

pull1D
Entries 82
Mean −0.00389
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

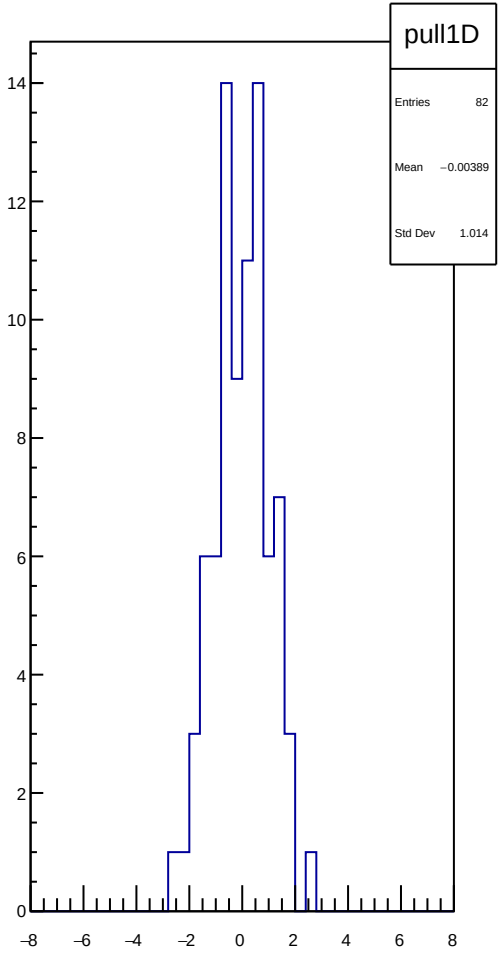

dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 178.8 / 81
p0 1816 ± 1.443
1920
1900
1880
1860
1840
1820
1800
1780
1760

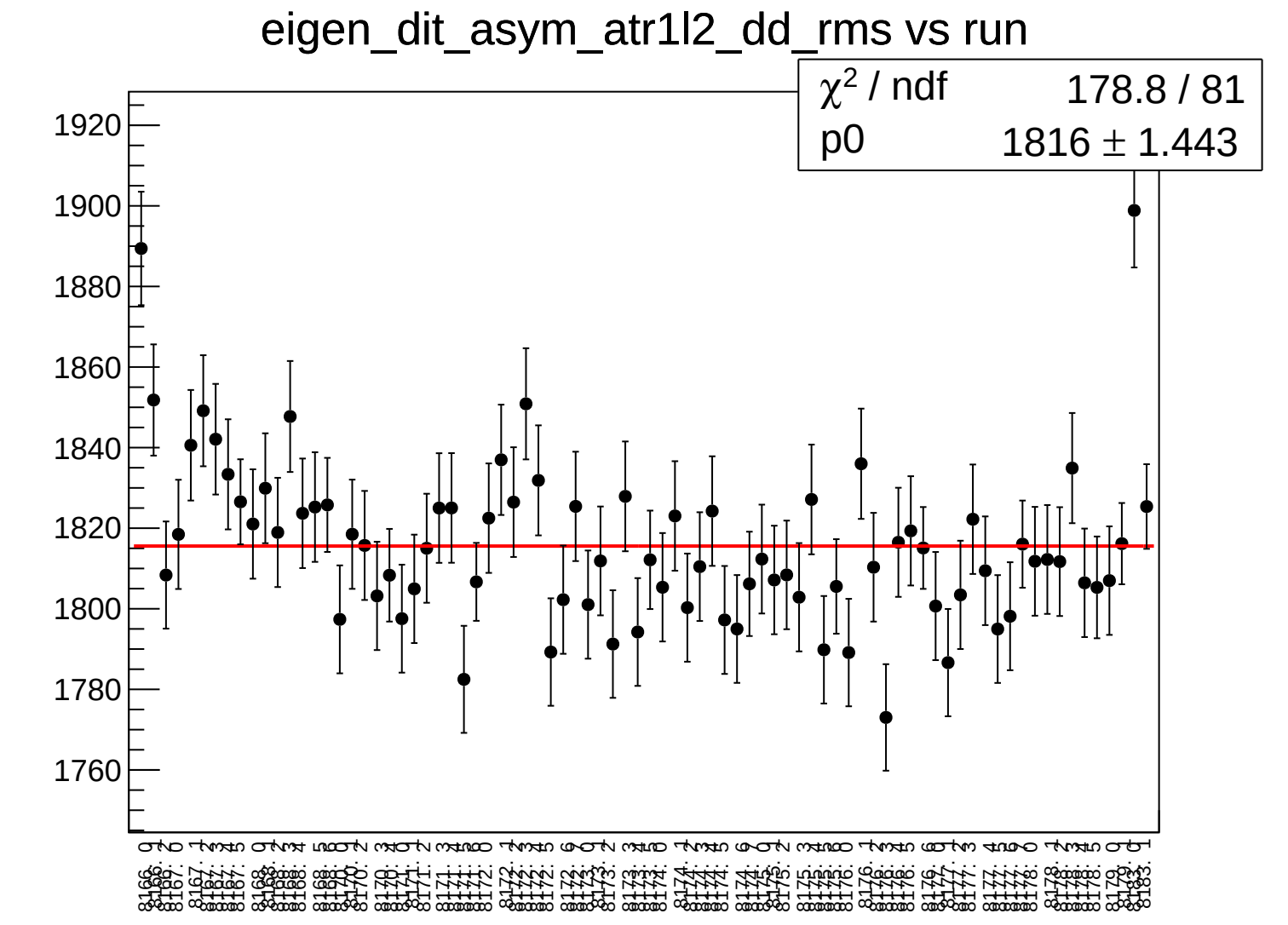

asym_atr1l2_dd_dit_correction_mean vs run
χ² / ndf 97.66 / 81
p0 −153.2 ± 3854
×10³
200
150
100
50
0
−50
−100
pull
Entries 82
Mean 592.1
Std Dev 0
3
2
1
0
−1
−2

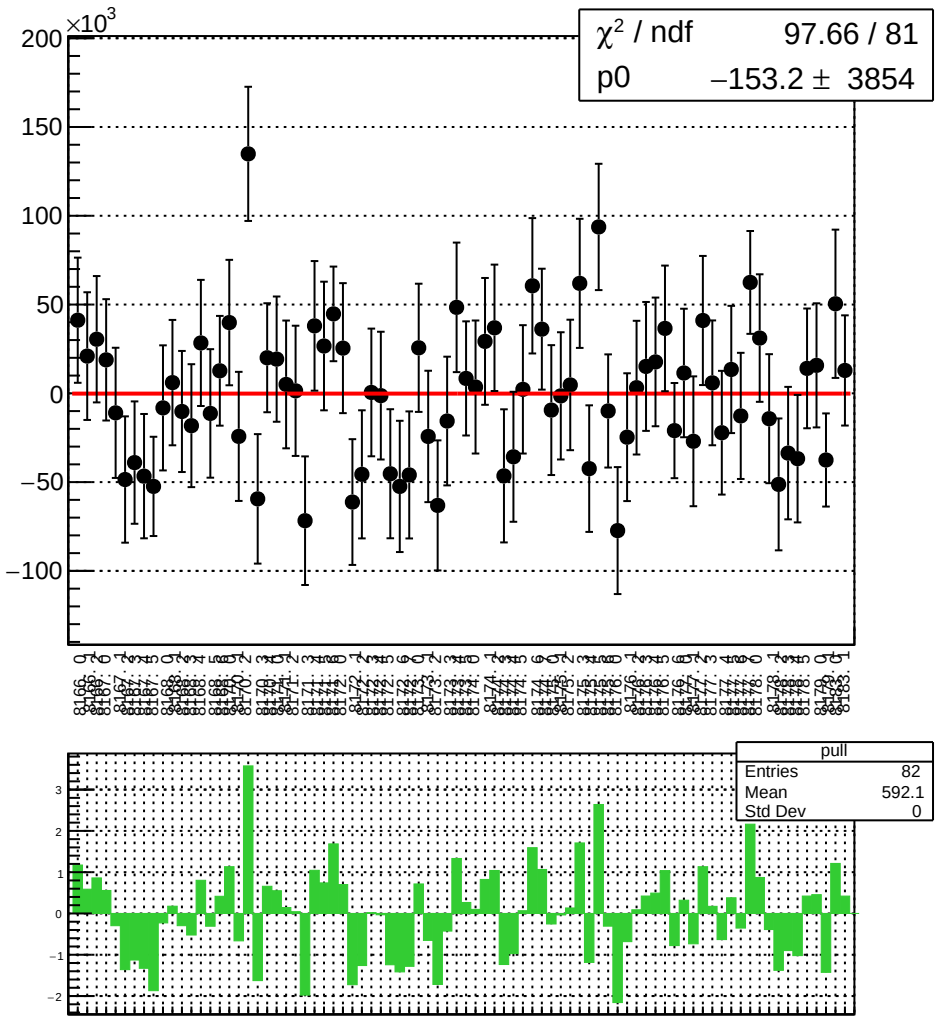

pull1D
Entries 82
Mean 0.001717
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

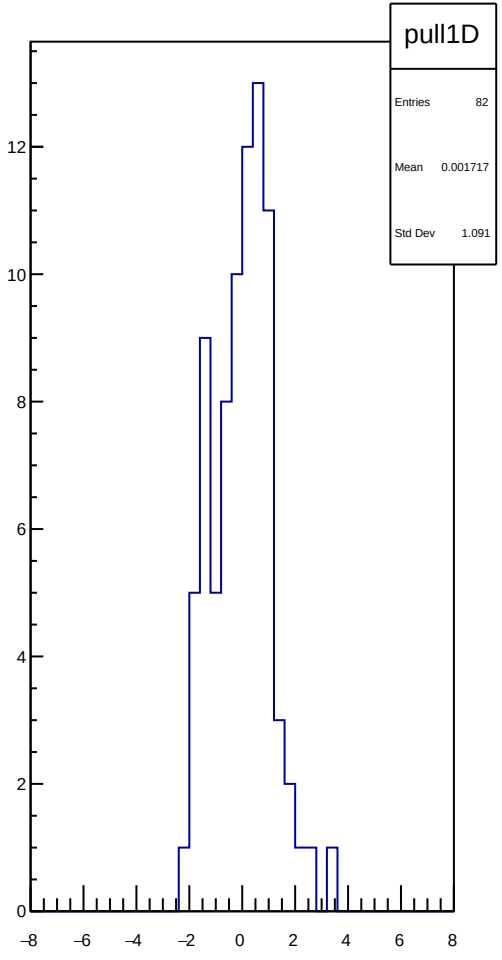

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 1337 / 81
p0 3427 ± 2.725
4000
3900
3800
3700
3600
3500
3400
3300
3200

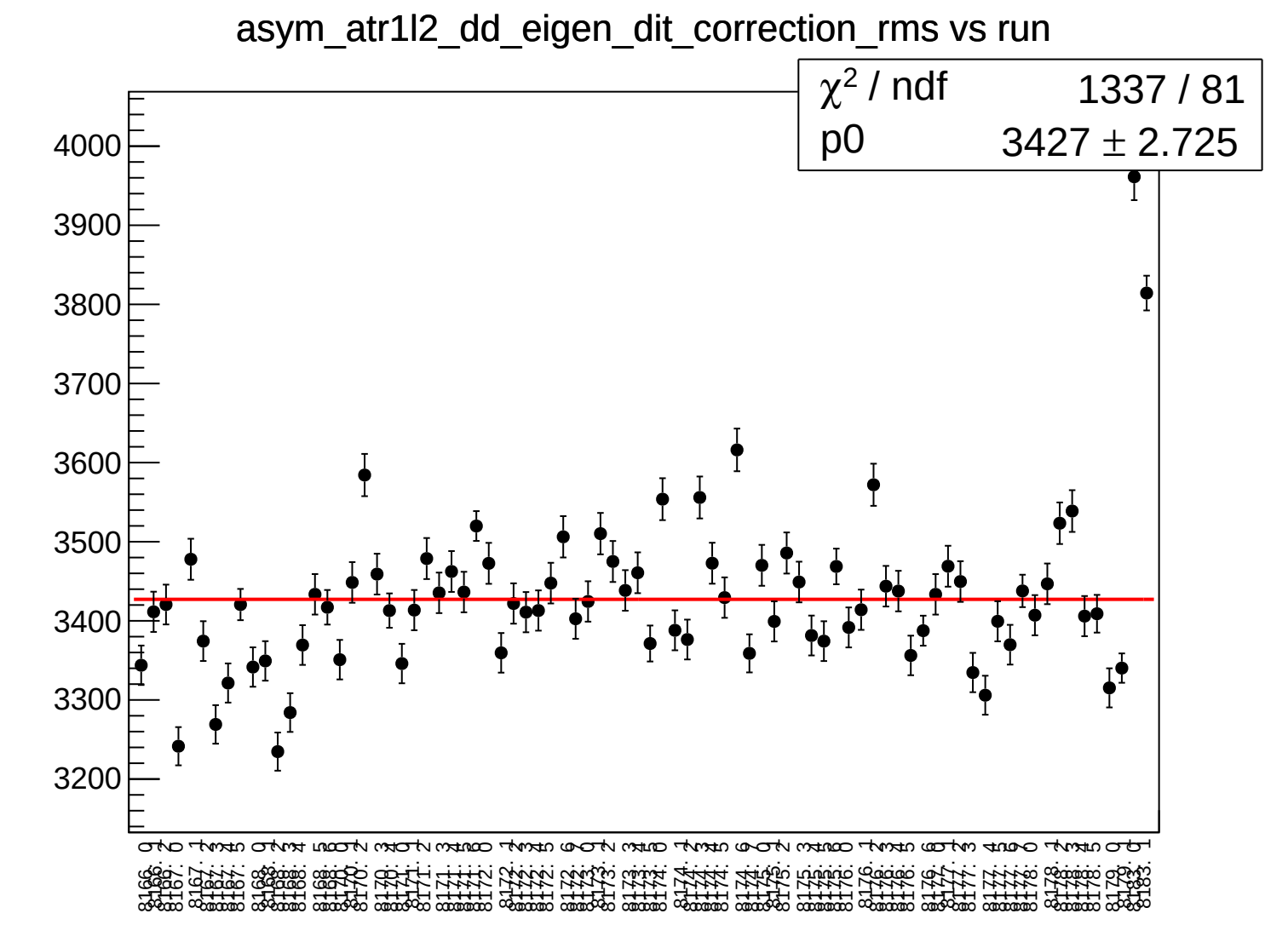

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 84.36 / 81
p0 −1669 ± 2041
pull
Entries 82
Mean −17.69
Std Dev 51.23

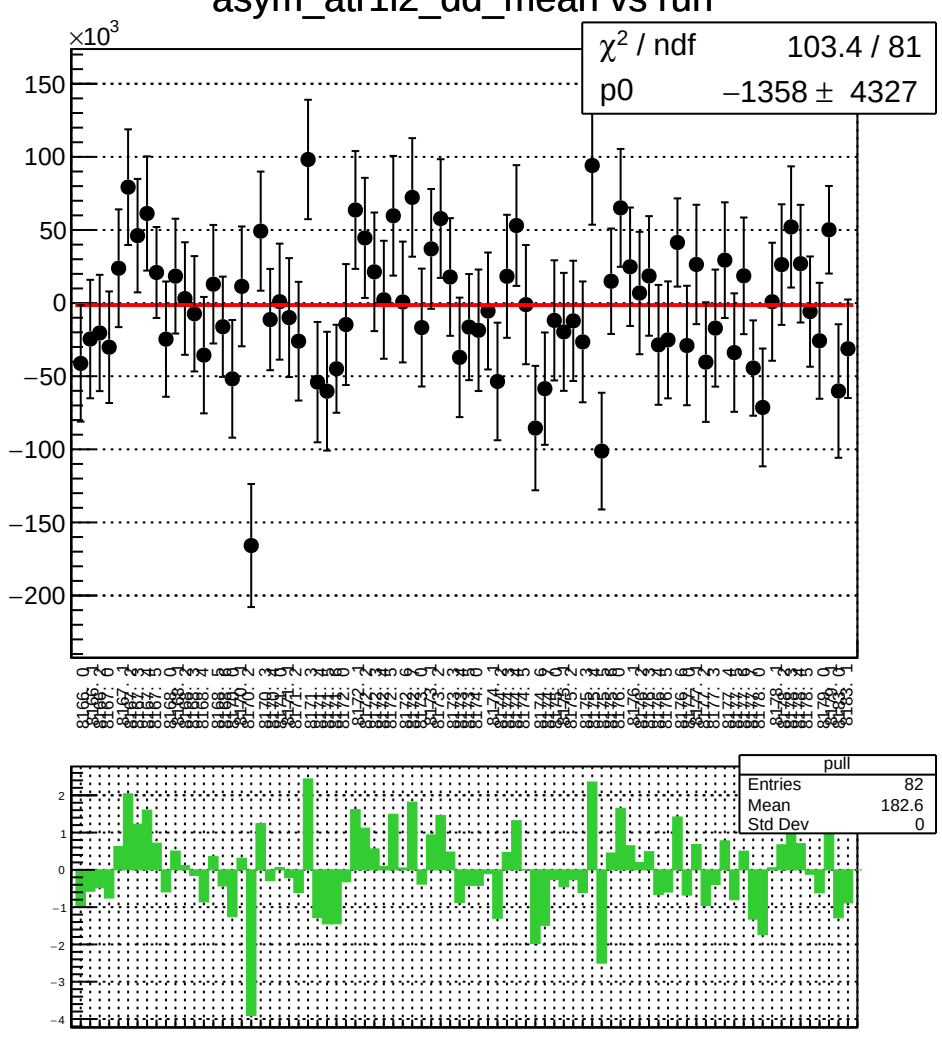

pull1D
Entries 82
Mean −0.00389
Std Dev 1.014

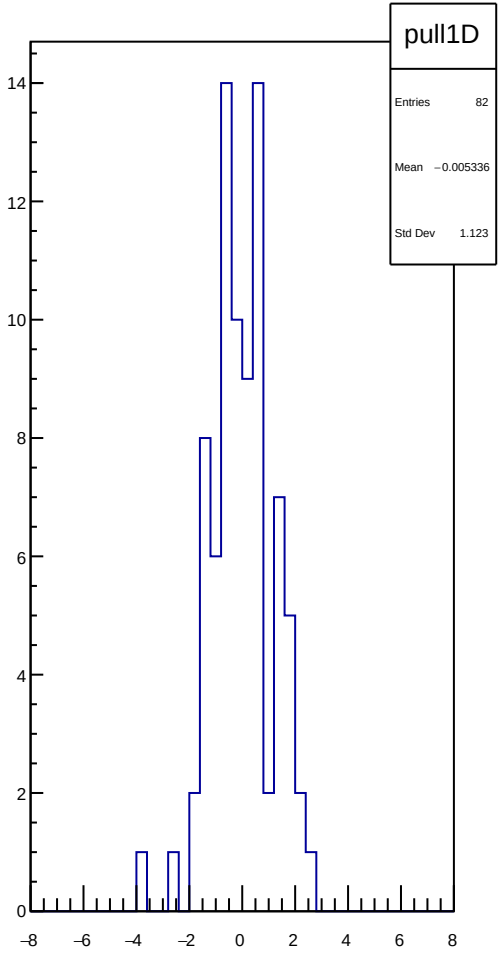

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 178.8 / 81
p0 1816 ± 1.443
1920
1900
1880
1860
1840
1820
1800
1780
1760

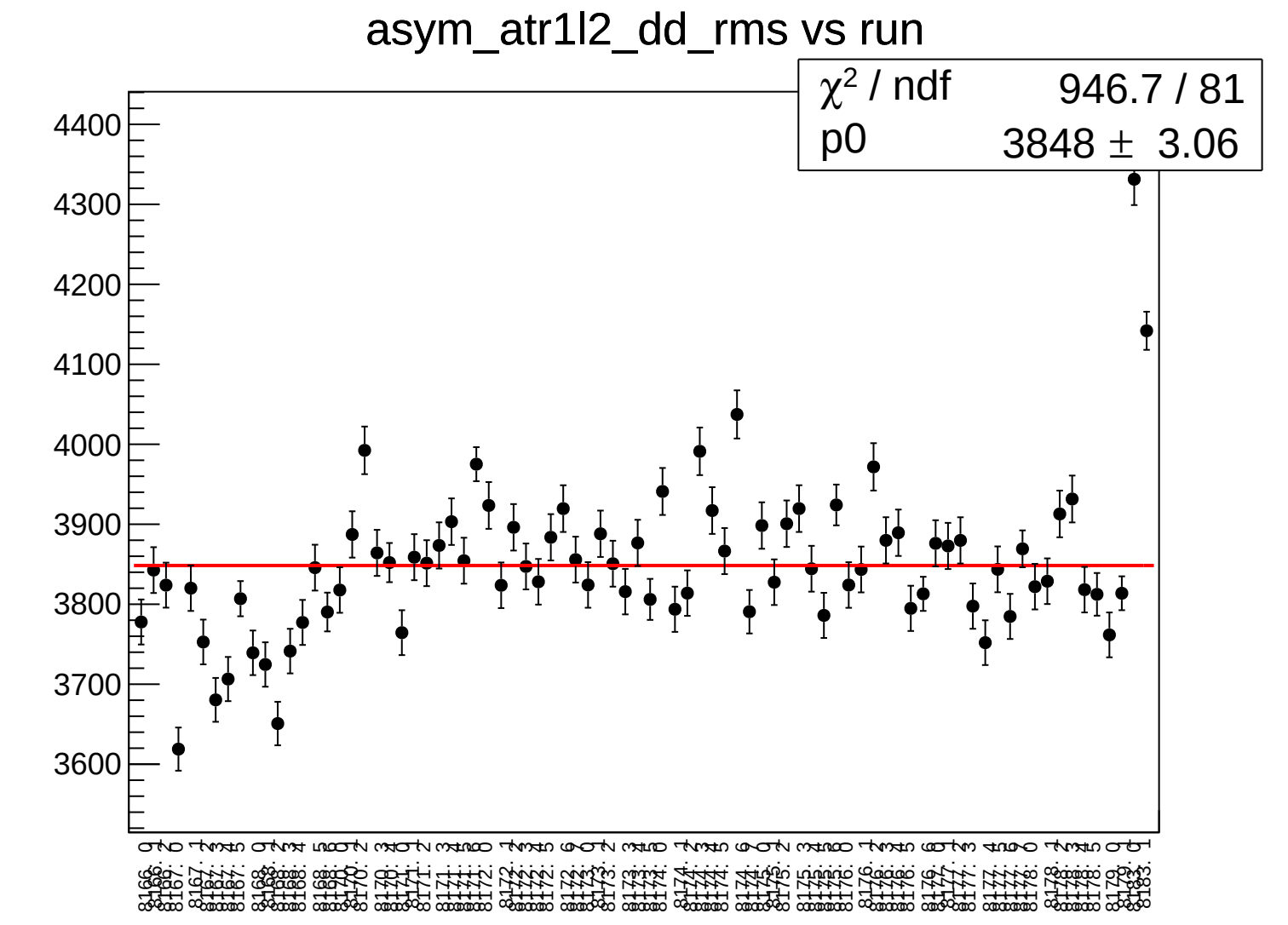

asym_atr1l2_dd_eigen_dit_correction_mean vs run
χ² / ndf 97.66 / 81
p0 −153.2 ± 3854
×10³
200
150
100
50
0
−50
−100
pull
Entries 82
Mean 592.1
Std Dev 0
3
2
1
0
−1
−2

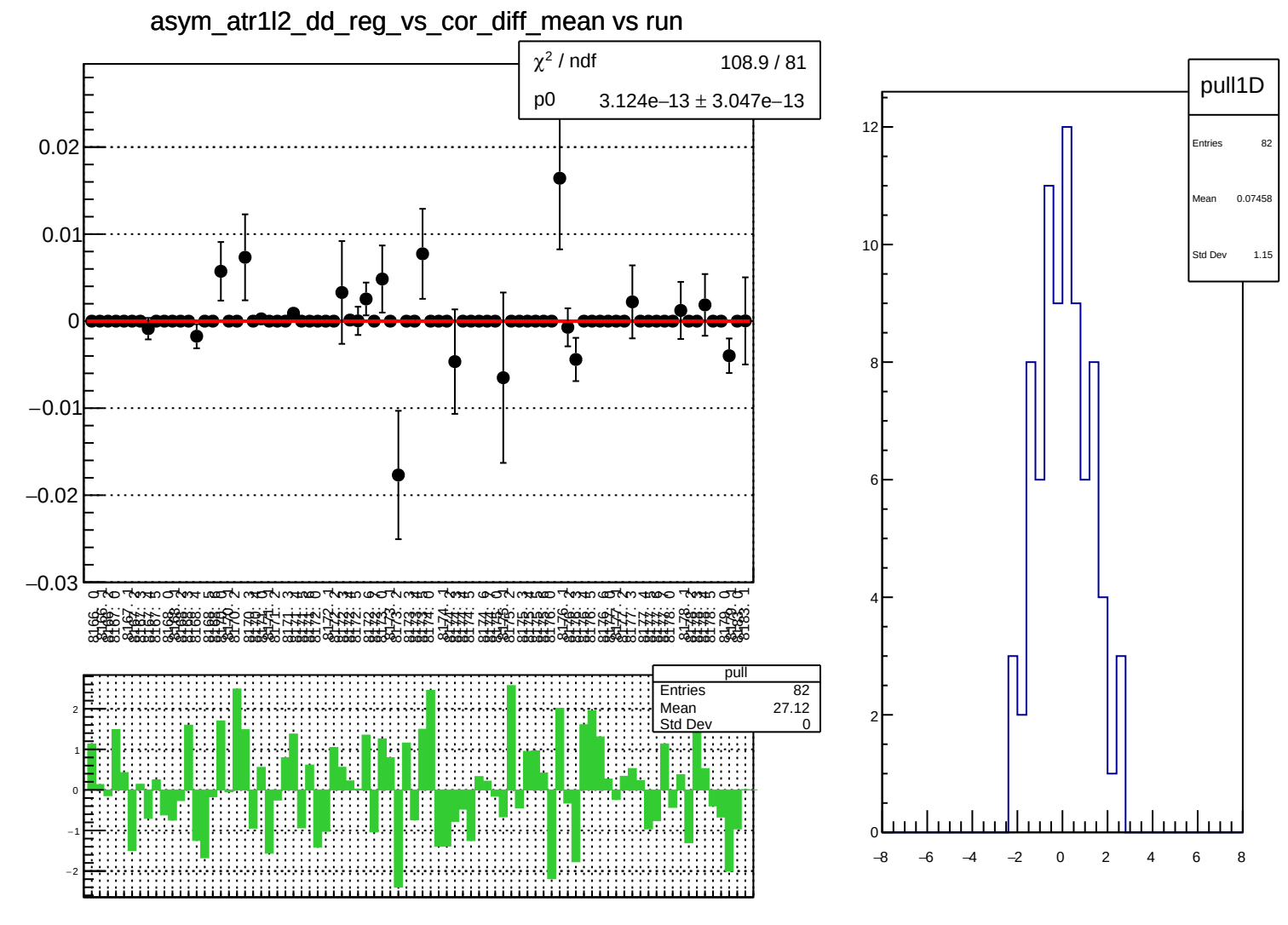

pull1D
Entries 82
Mean 0.001717
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

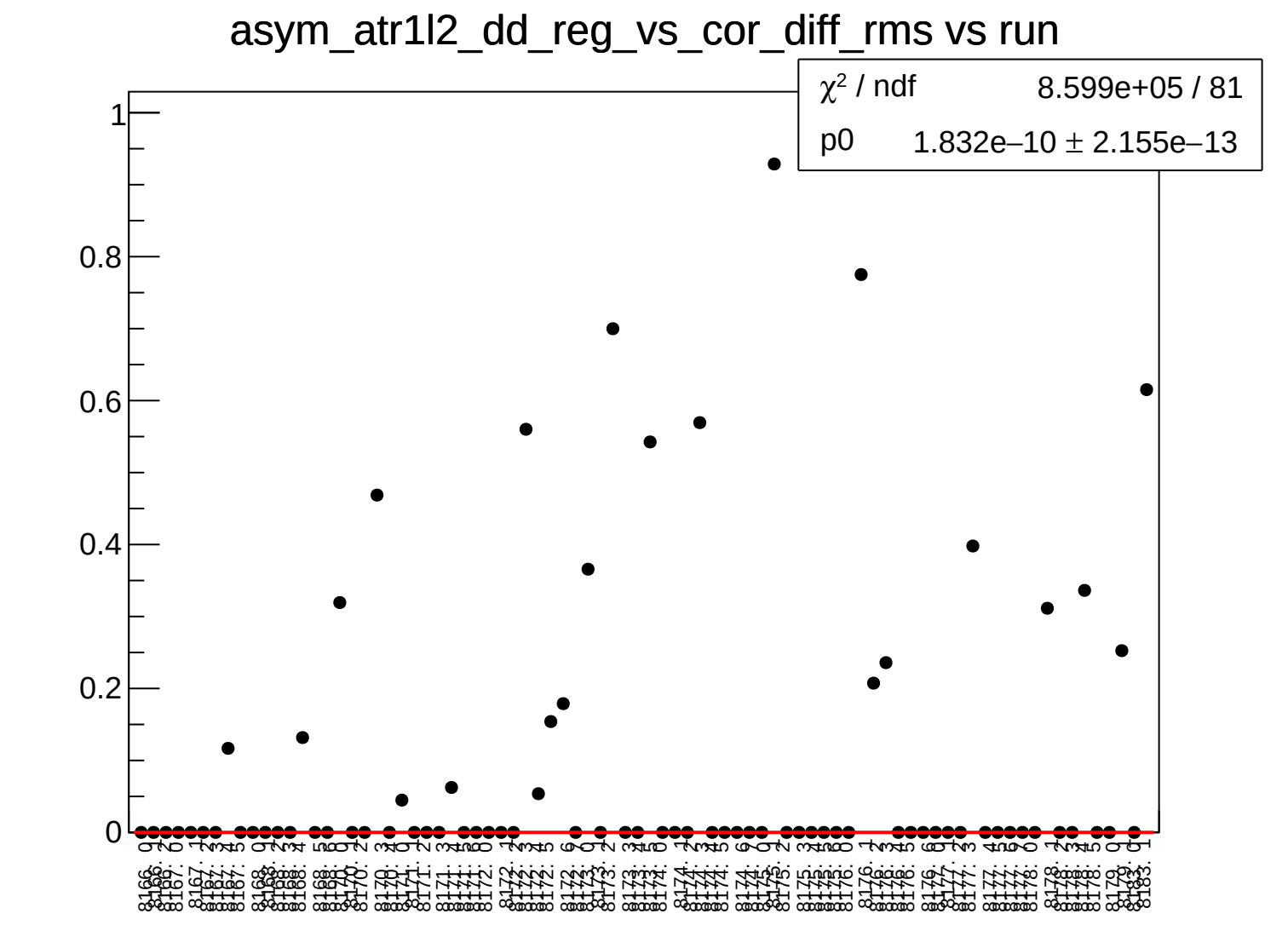

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1337 / 81
p0 3427 ± 2.725
4000
3900
3800
3700
3600
3500
3400
3300
3200

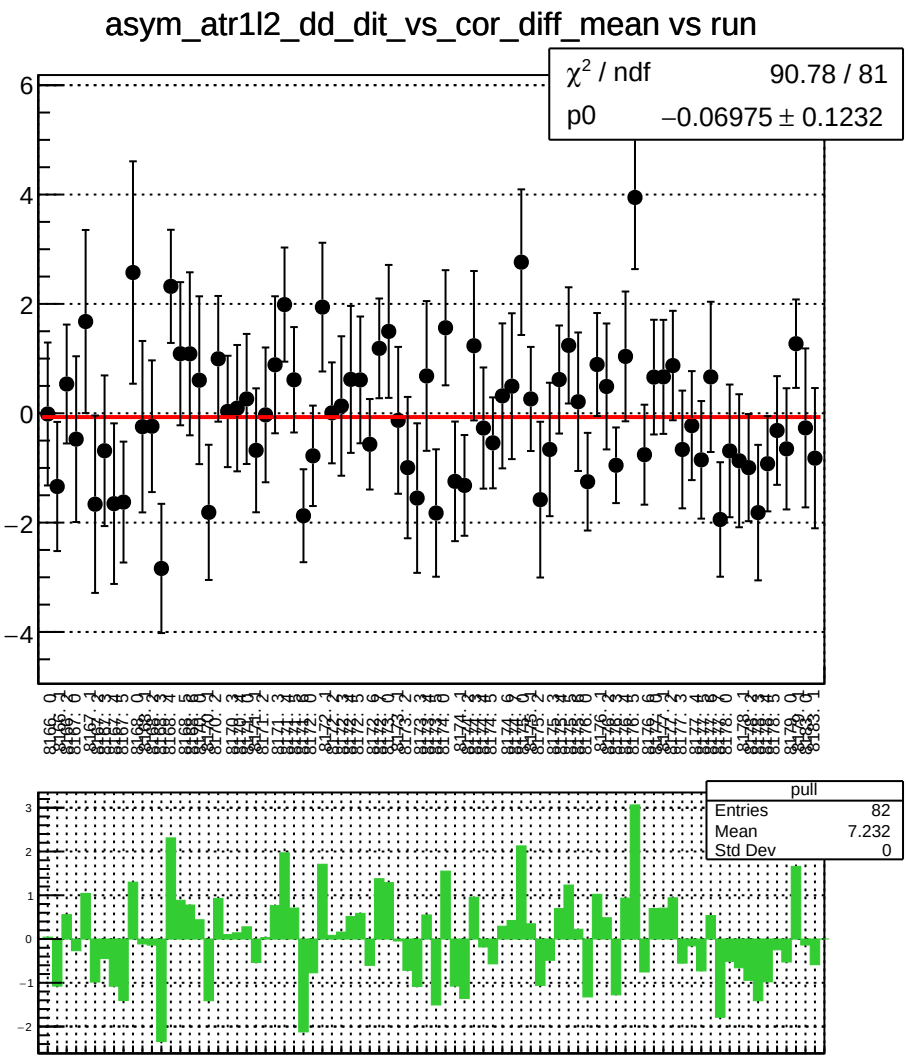

asym_atr1l2_dd_mean vs run
×10^3
χ^2 / ndf 103.4 / 81
p0 −1358 ± 4327
pull
Entries 82
Mean 182.6
Std Dev 0

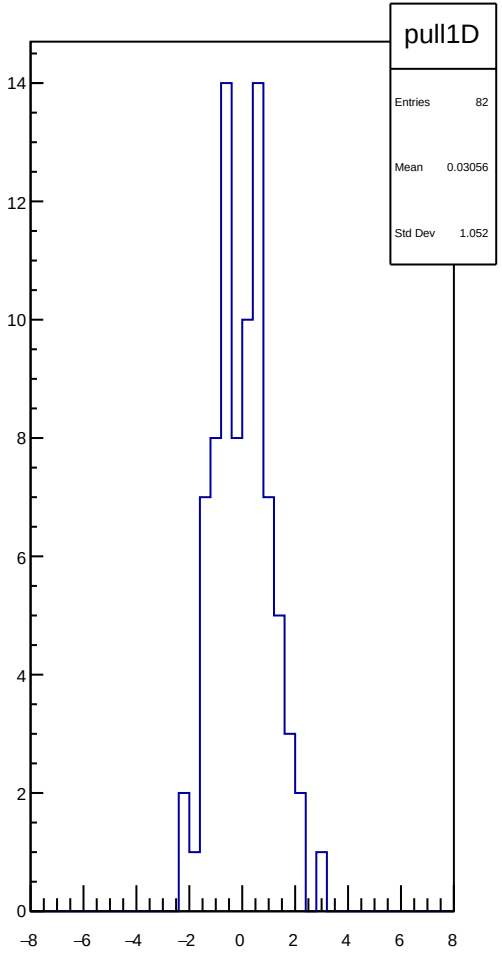

pull1D
Entries 82
Mean −0.005336
Std Dev 1.123

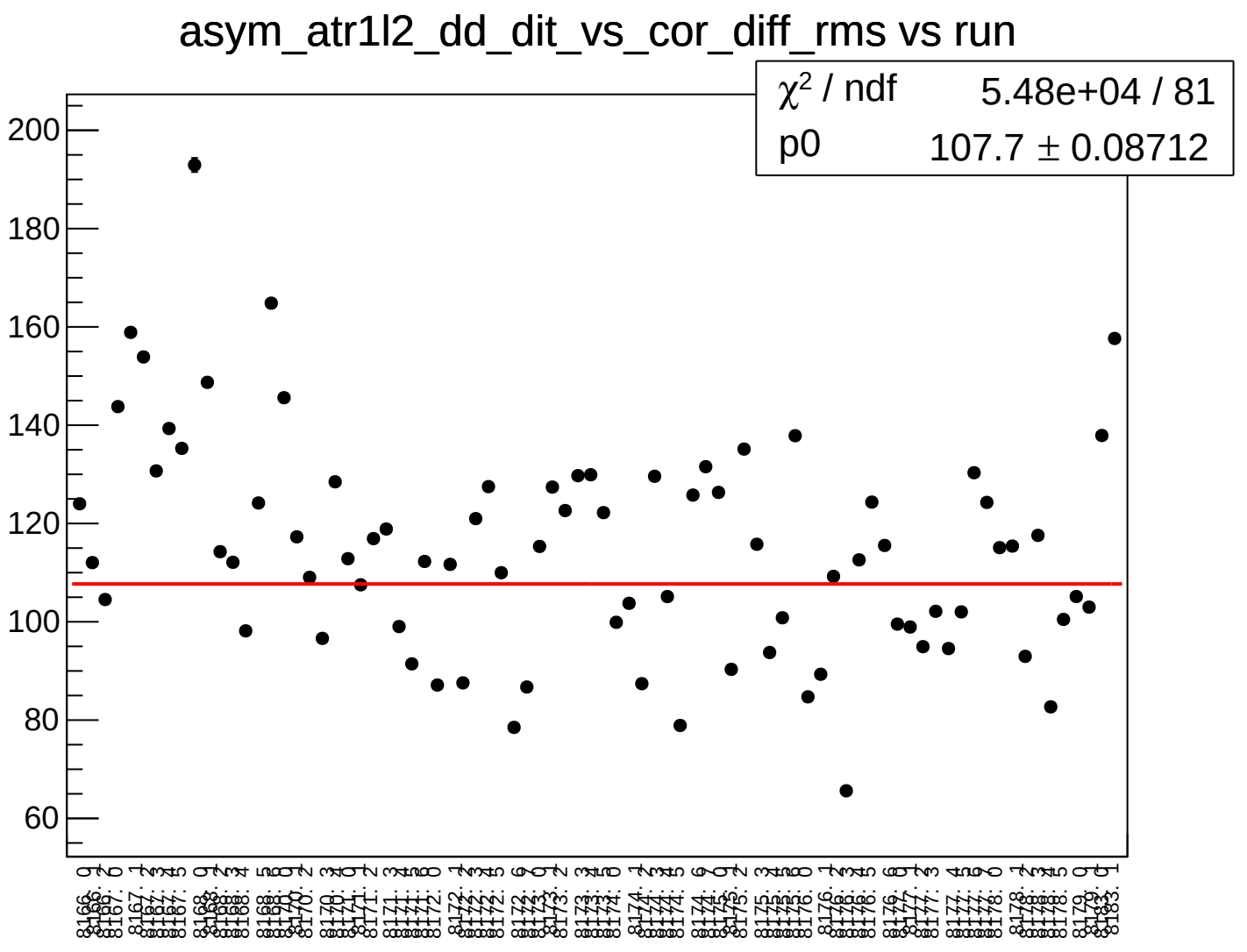

asym_atr1l2_dd_rms vs run
χ² / ndf 946.7 / 81
p0 3848 ± 3.06
4400
4300
4200
4100
4000
3900
3800
3700
3600

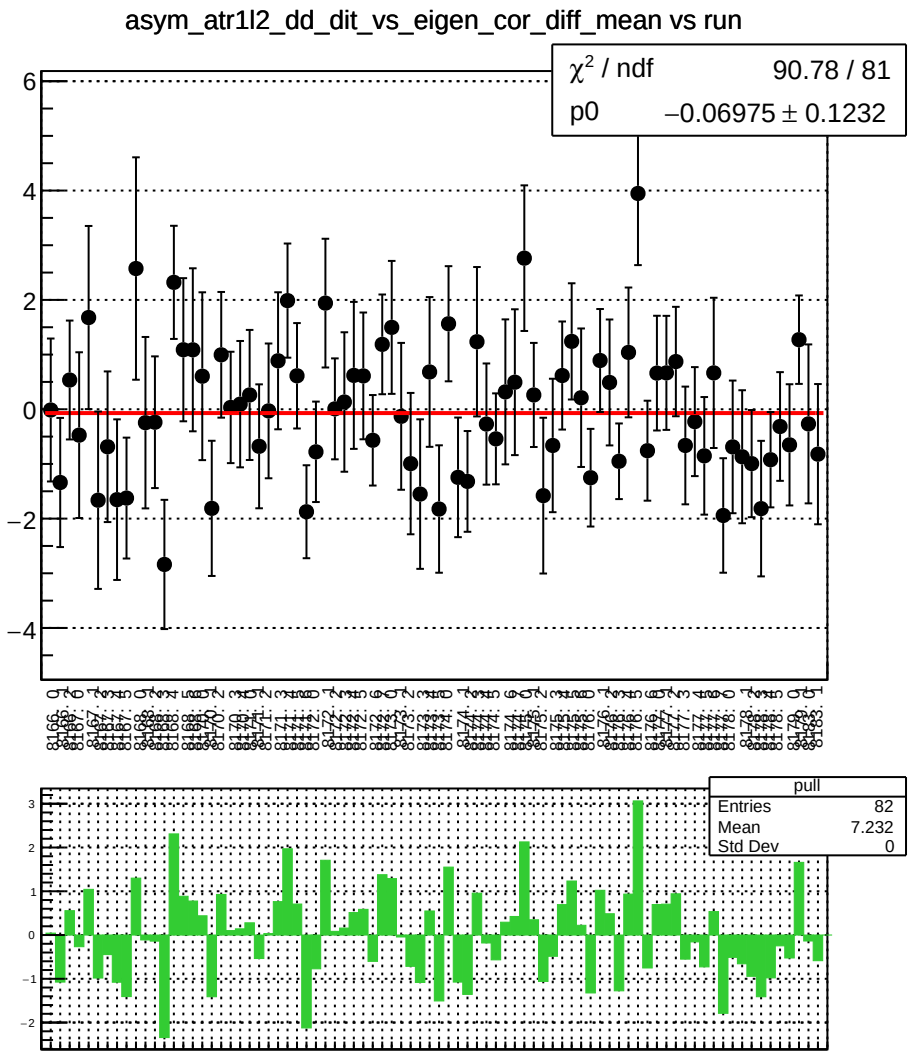

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 108.9 / 81
p0 3.124e−13 ± 3.047e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean 27.12
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.07458
Std Dev 1.15
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

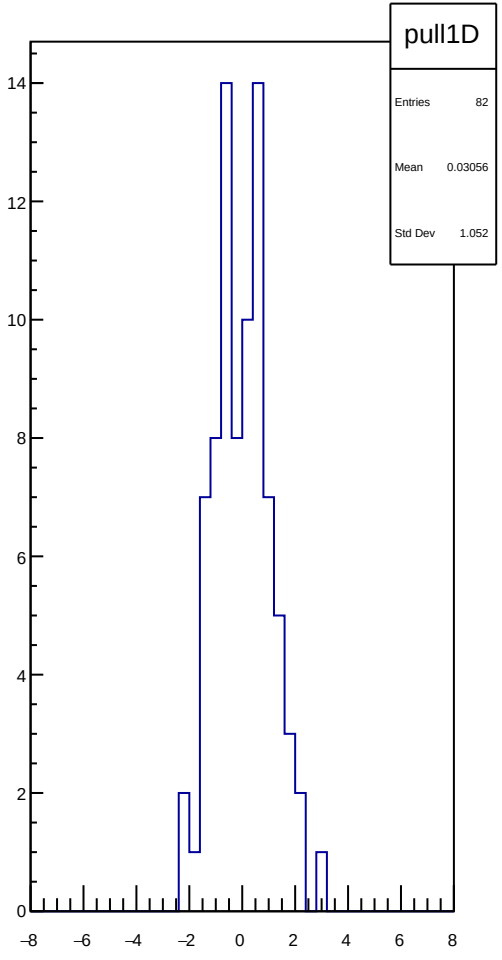

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.599e+05 / 81
p0 1.832e−10 ± 2.155e−13
1
0.8
0.6
0.4
0.2
0

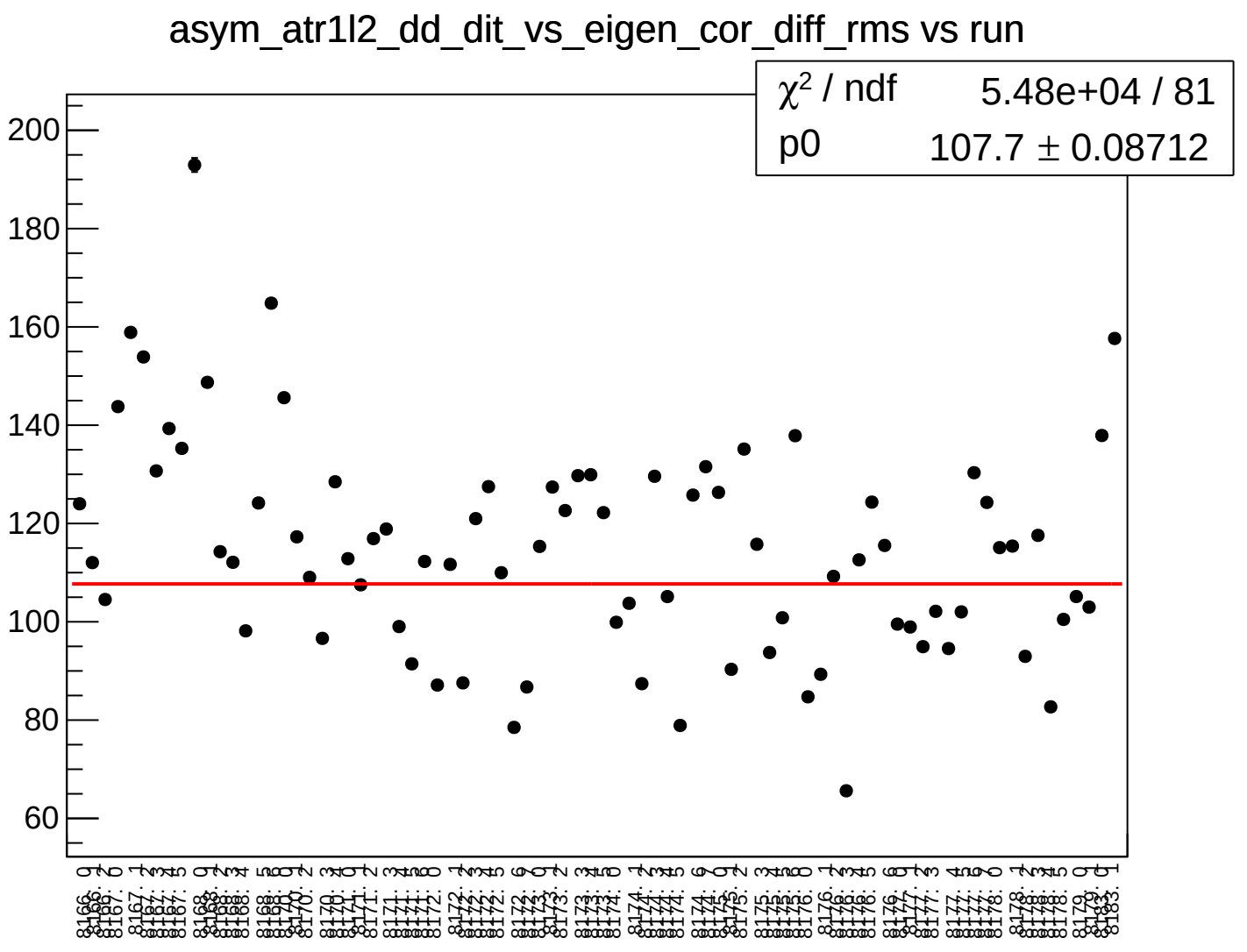

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 90.78 / 81
p0 −0.06975 ± 0.1232
pull
Entries 82
Mean 7.232
Std Dev 0

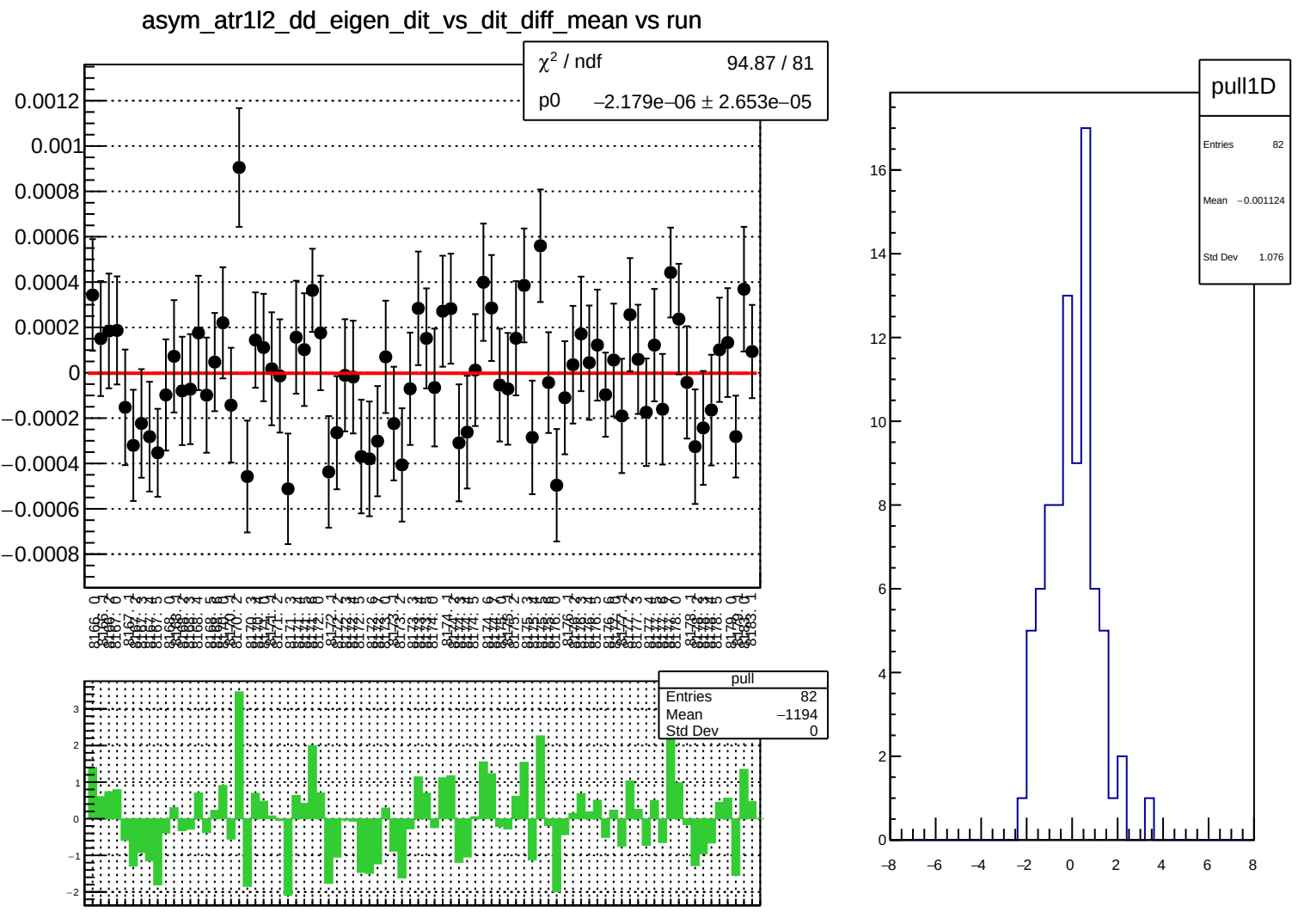

pull1D
Entries 82
Mean 0.03056
Std Dev 1.052

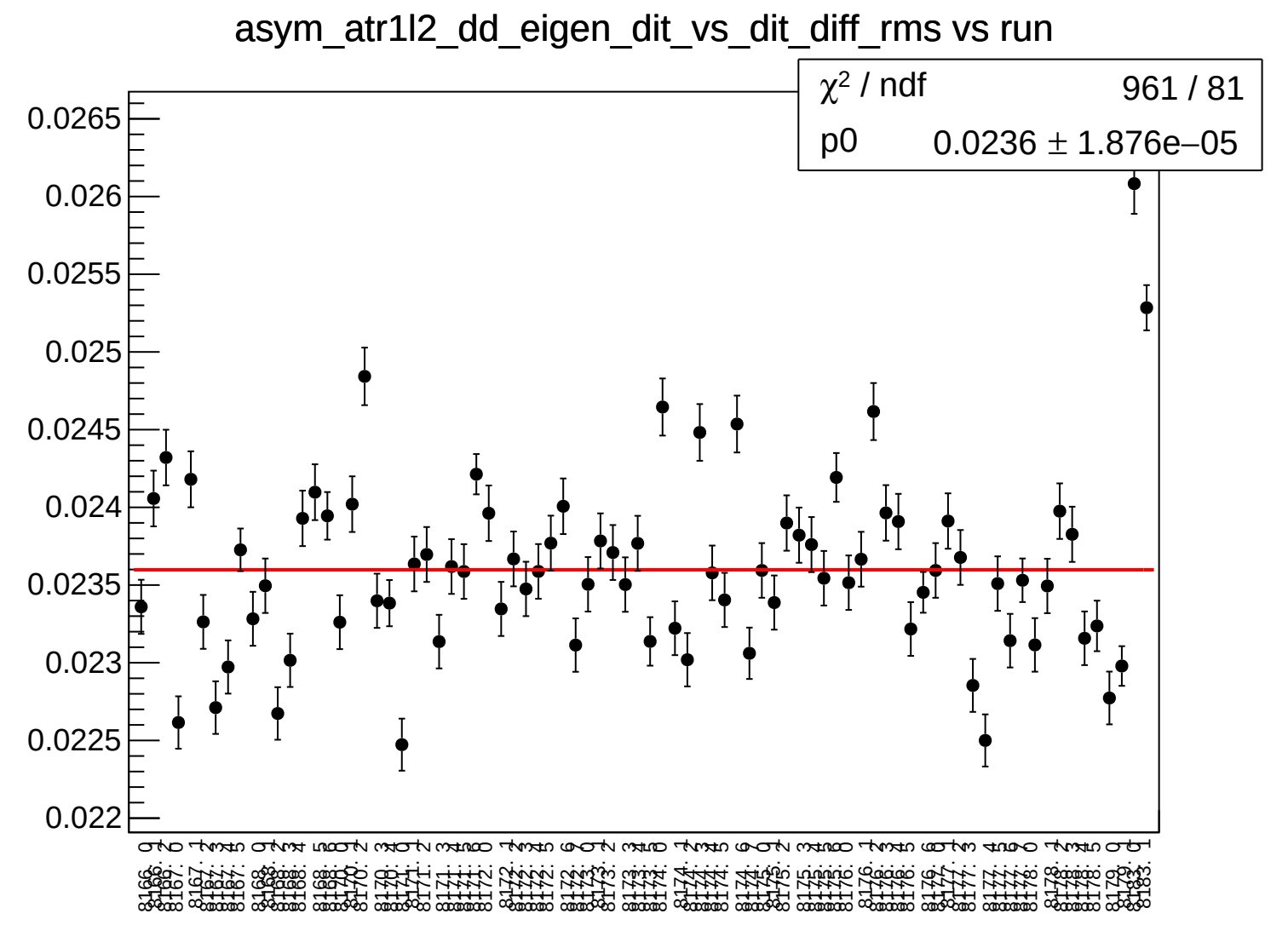

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 81
p0 107.7 ± 0.08712
200
180
160
140
120
100
80
60

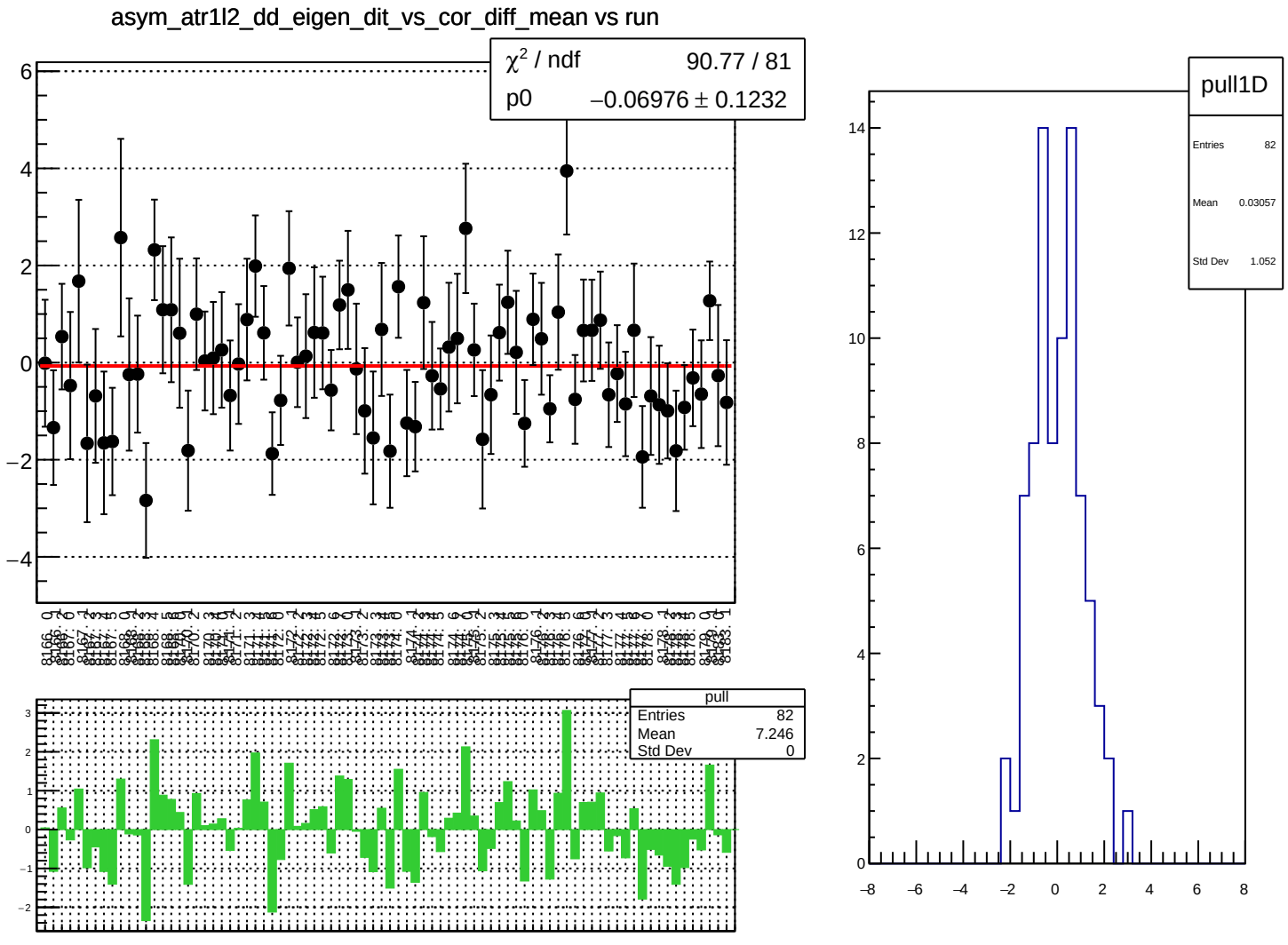

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.78 / 81
p0 −0.06975 ± 0.1232
pull
Entries 82
Mean 7.232
Std Dev 0

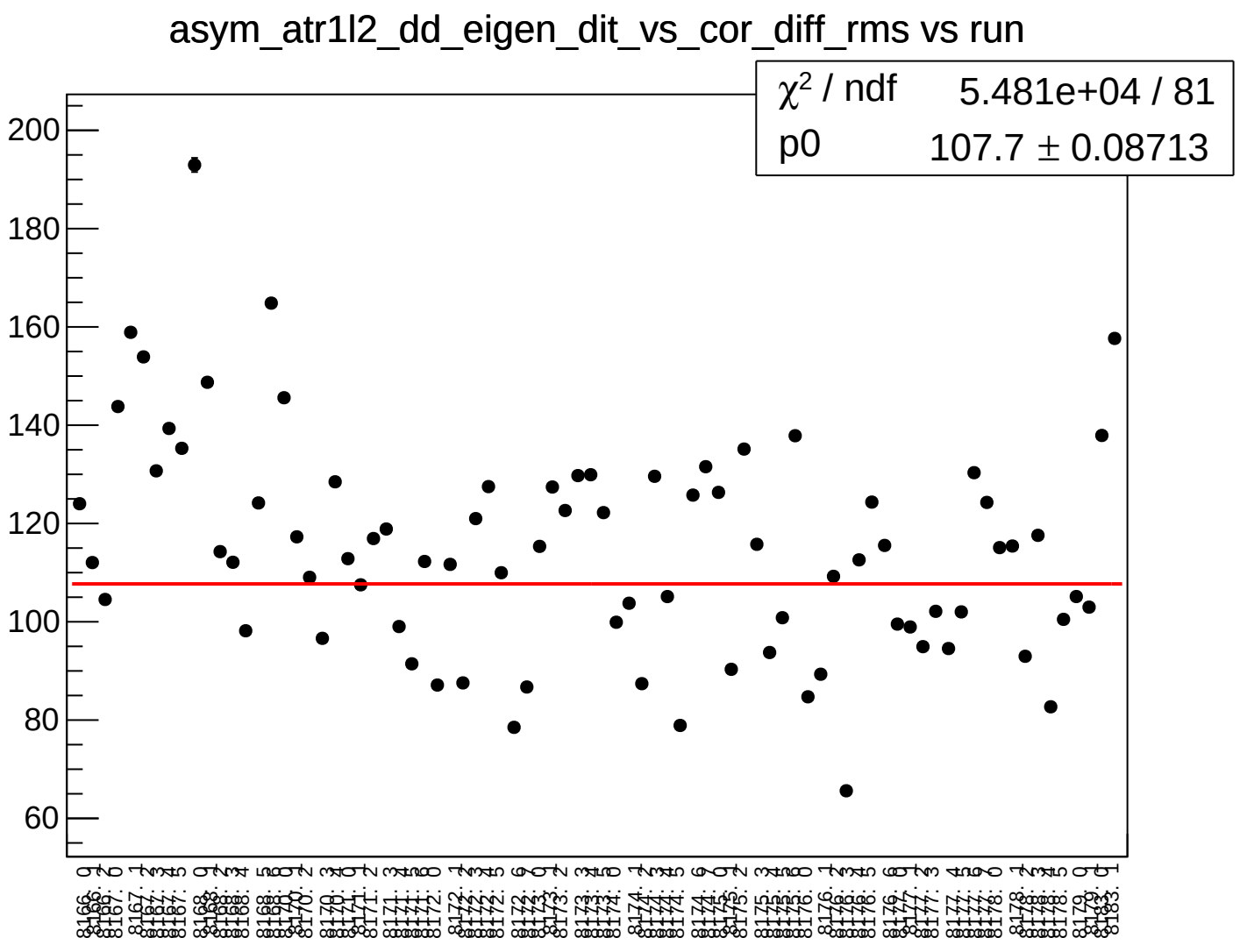

pull1D
Entries 82
Mean 0.03056
Std Dev 1.052

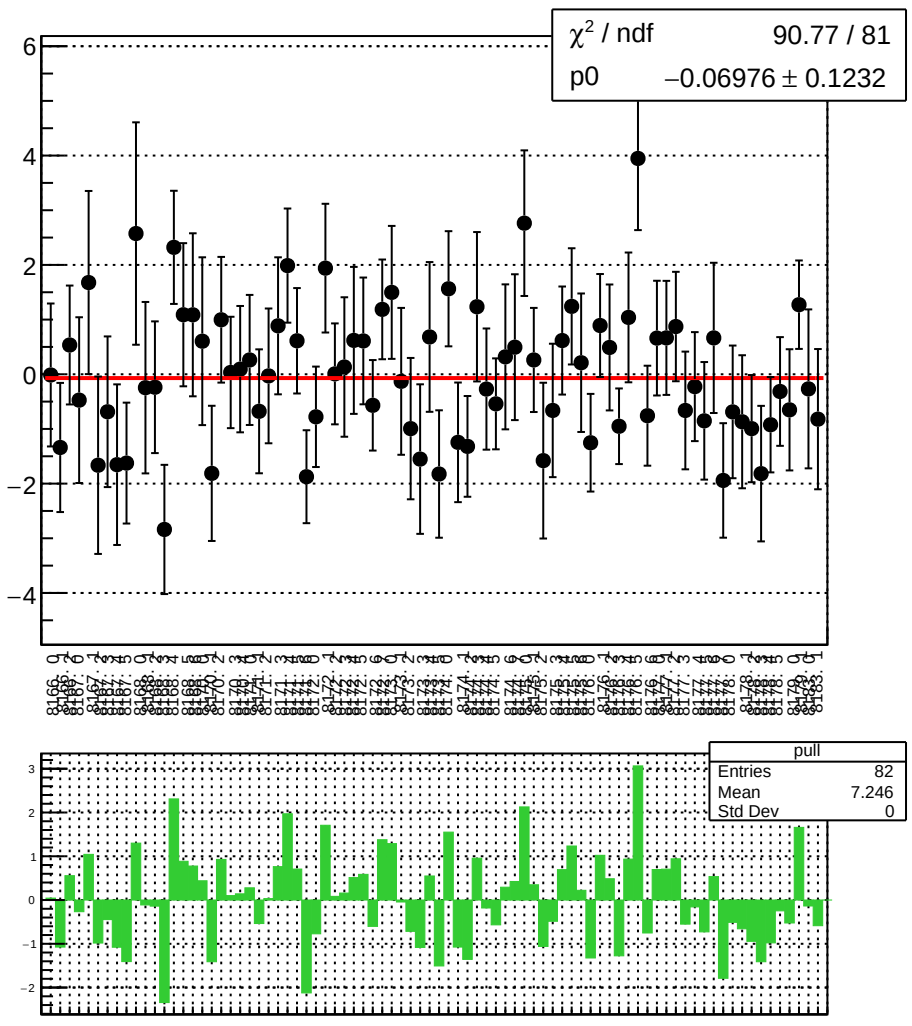

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.48e+04 / 81
p0 107.7 ± 0.08712
200
180
160
140
120
100
80
60

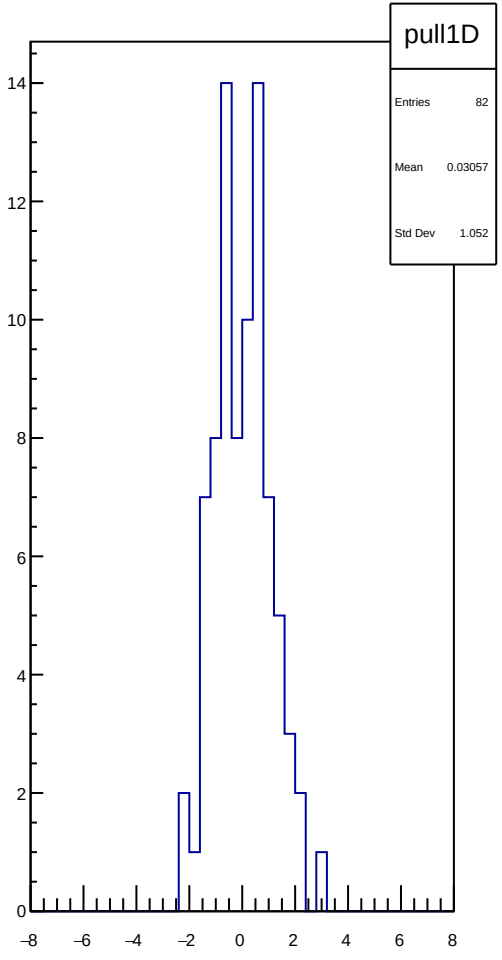

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 94.87 / 81
p0 −2.179e−06 ± 2.653e−05
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 82
Mean −1194
Std Dev 0
pull1D
Entries 82
Mean −0.001124
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

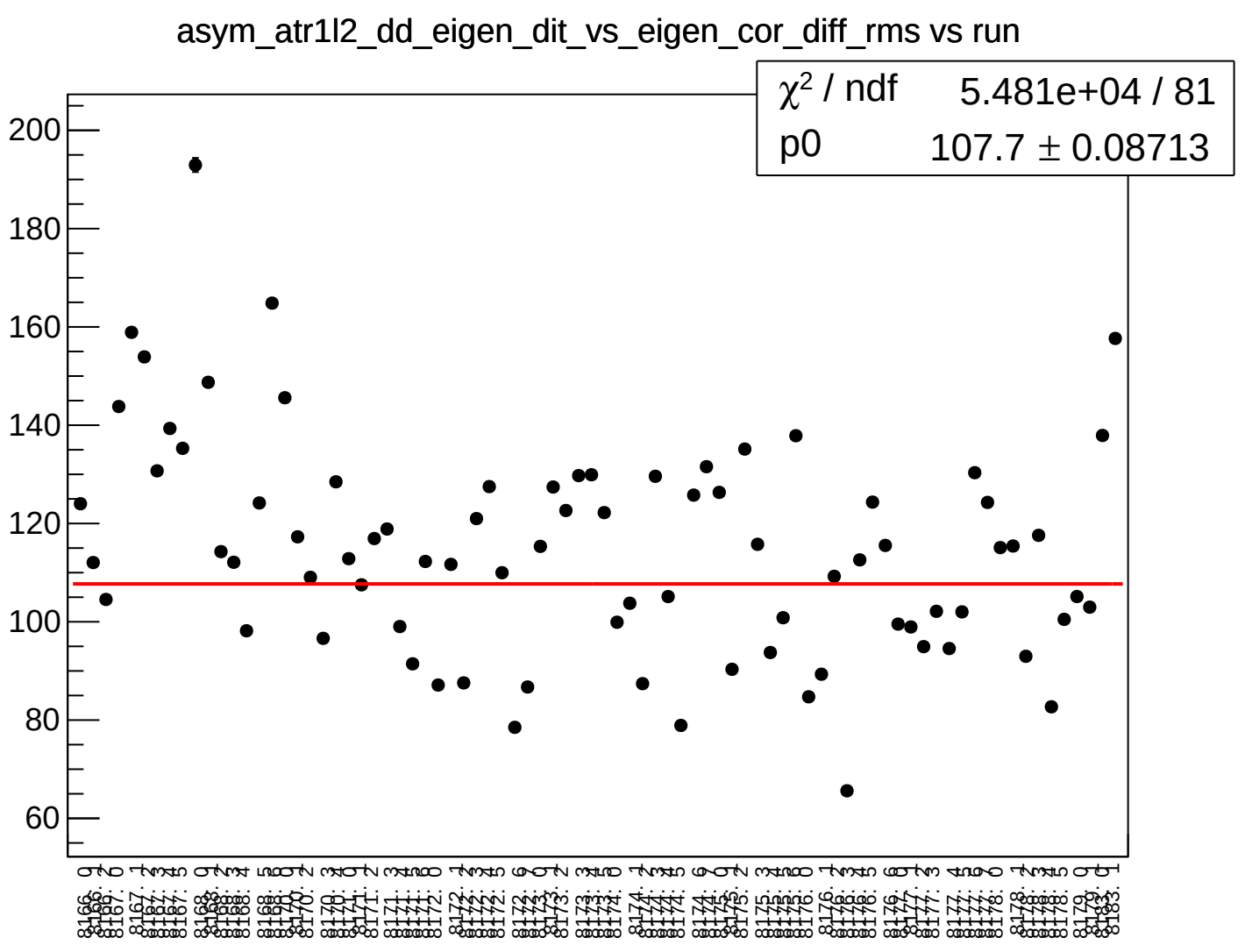

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 961 / 81
p0 0.0236 ± 1.876e−05
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225
0.022

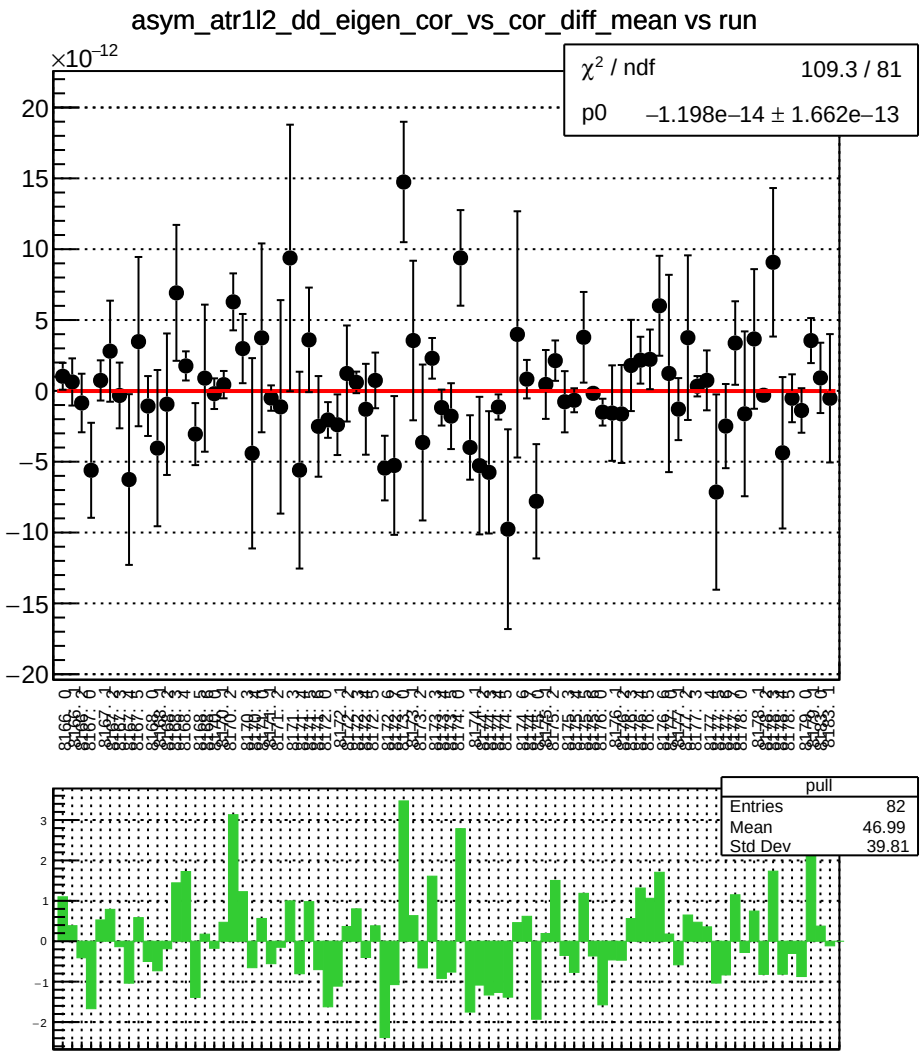

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.77 / 81
p0 −0.06976 ± 0.1232
pull
Entries 82
Mean 7.246
Std Dev 0
pull1D
Entries 82
Mean 0.03057
Std Dev 1.052

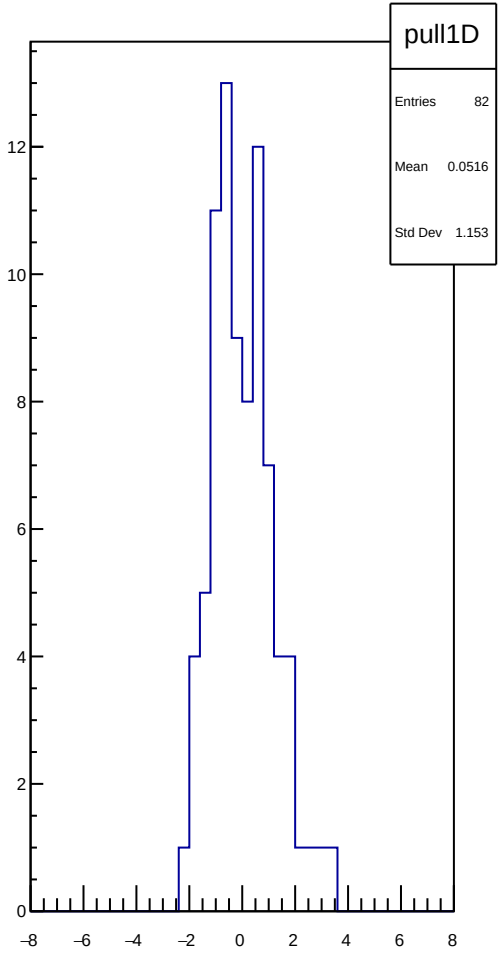

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.481e+04 / 81
p0 107.7 ± 0.08713
200
180
160
140
120
100
80
60

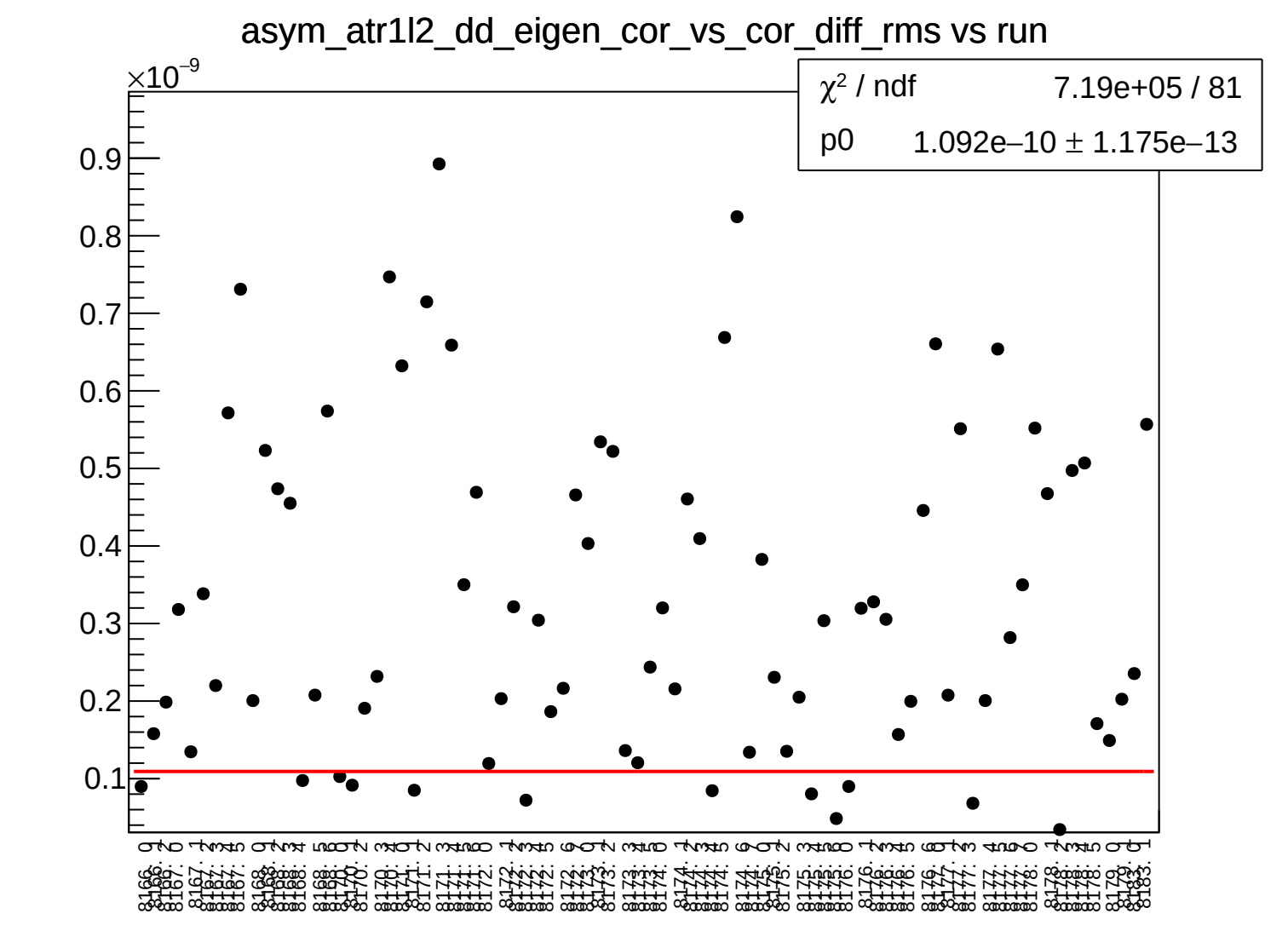

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.77 / 81
p0 −0.06976 ± 0.1232
pull
Entries 82
Mean 7.246
Std Dev 0

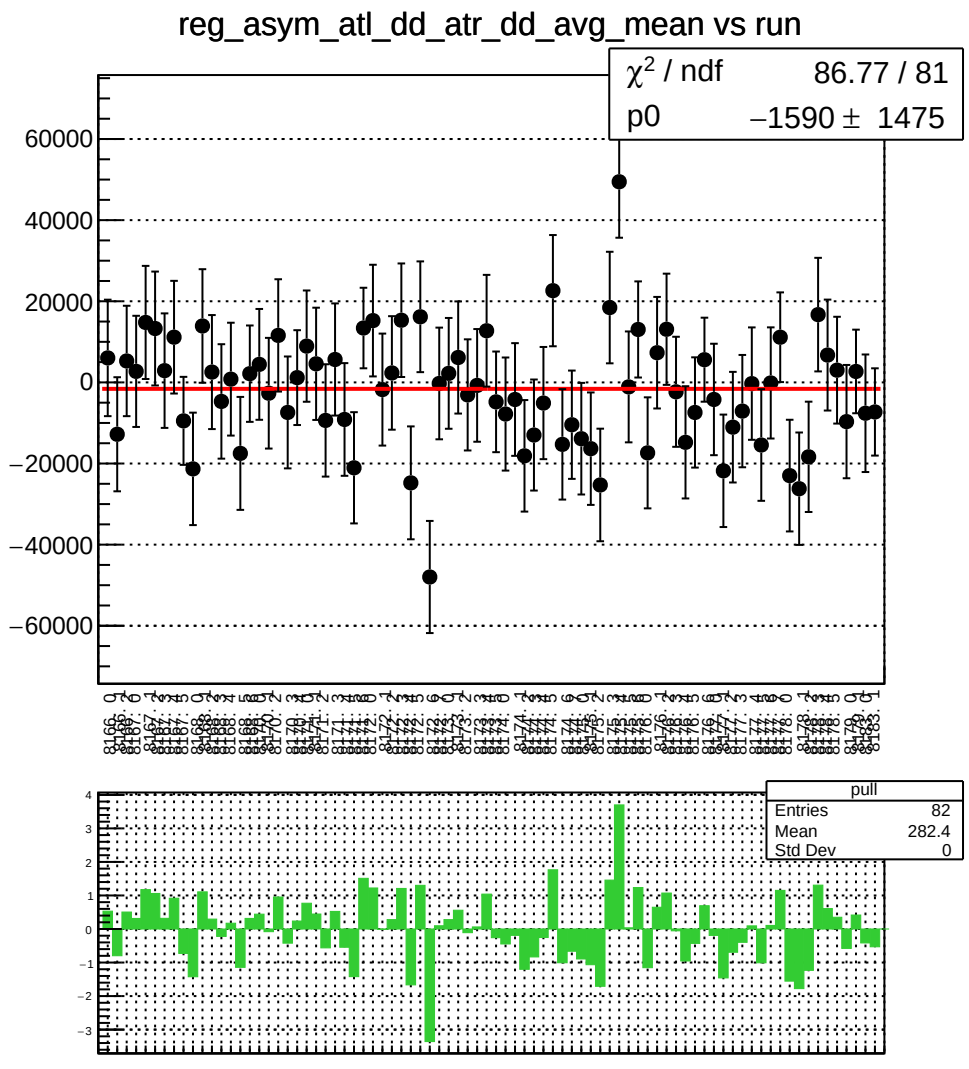

pull1D
Entries 82
Mean 0.03057
Std Dev 1.052

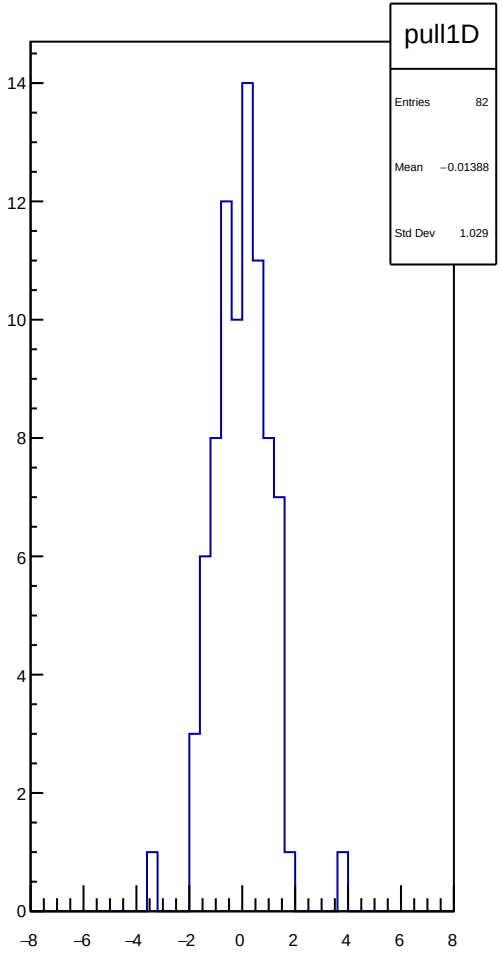

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.481e+04 / 81
p0 107.7 ± 0.08713
200
180
160
140
120
100
80
60

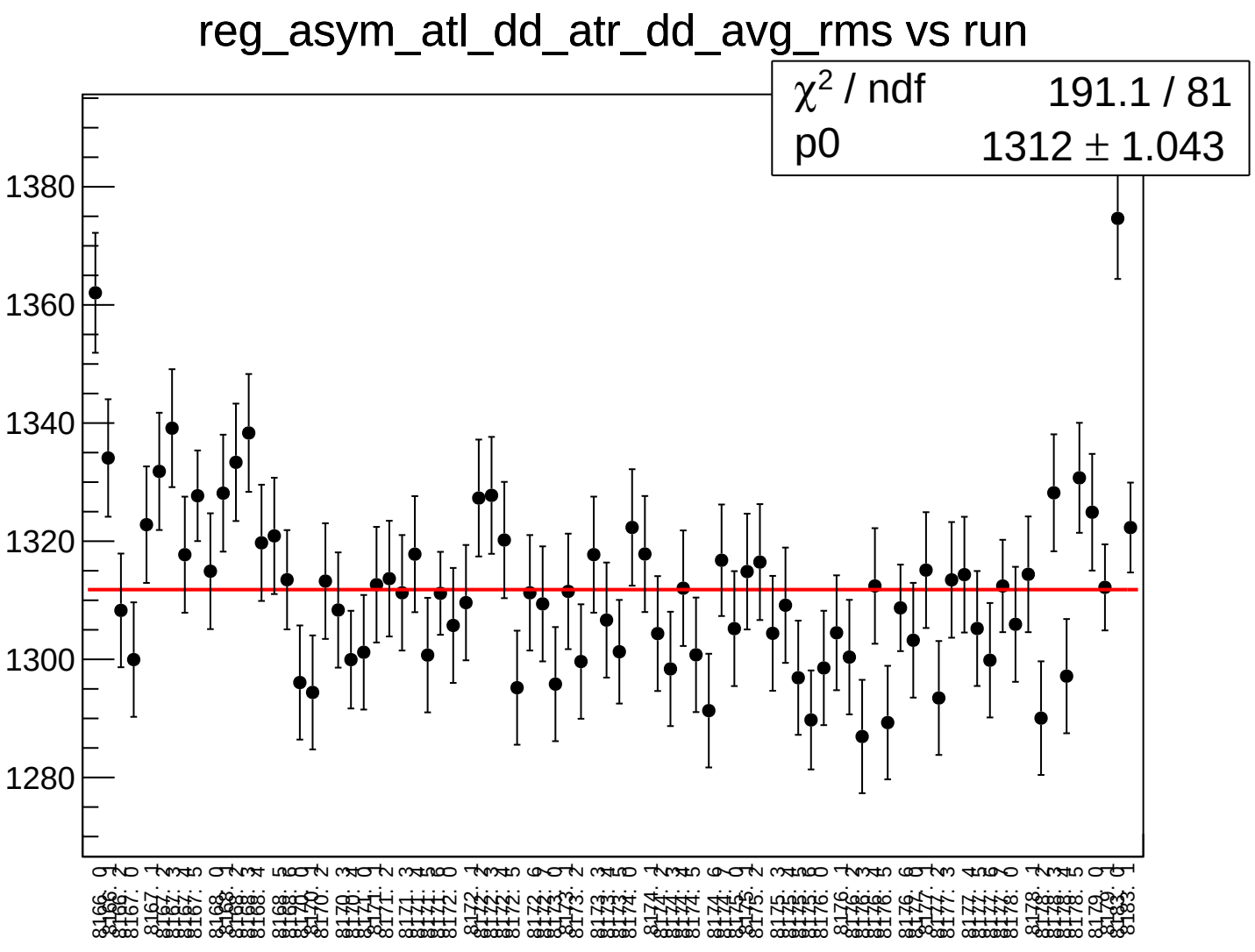

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109.3 / 81
p0 −1.198e−14 ± 1.662e−13
pull
Entries 82
Mean 46.99
Std Dev 39.81

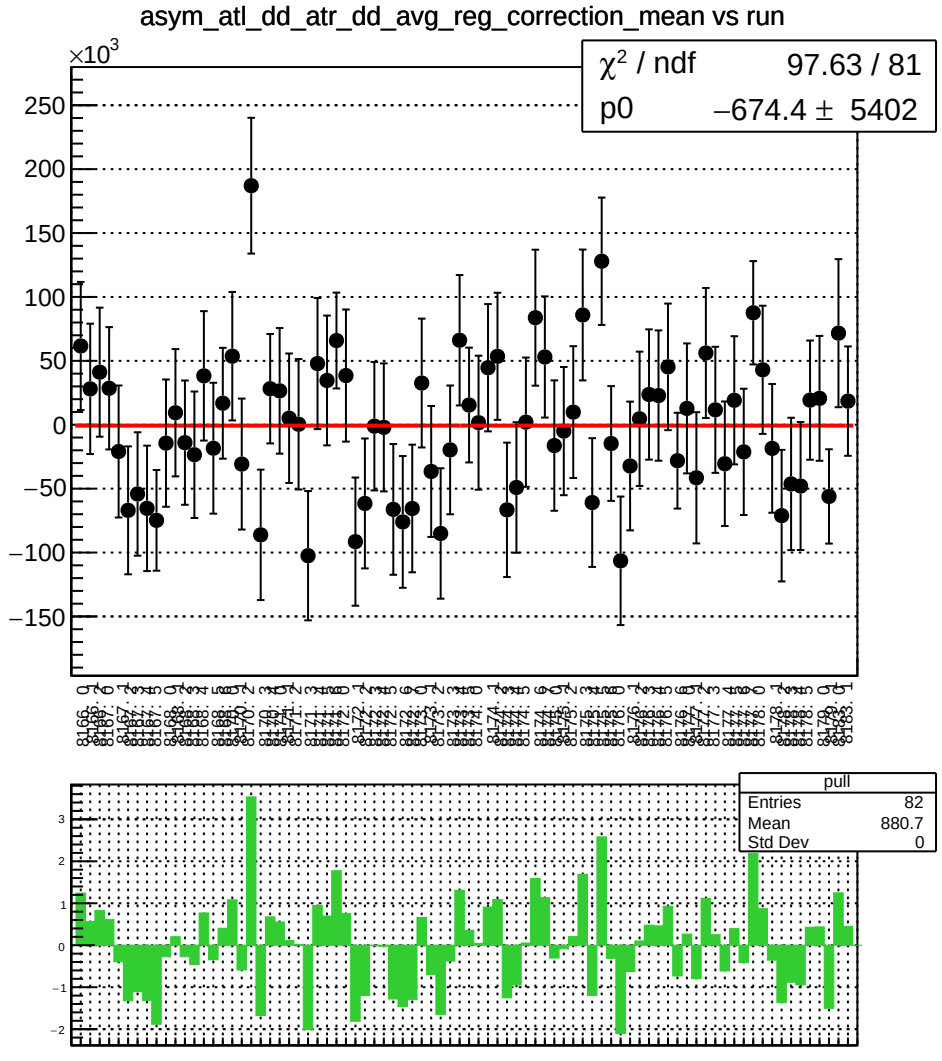

pull1D
Entries 82
Mean 0.0516
Std Dev 1.153

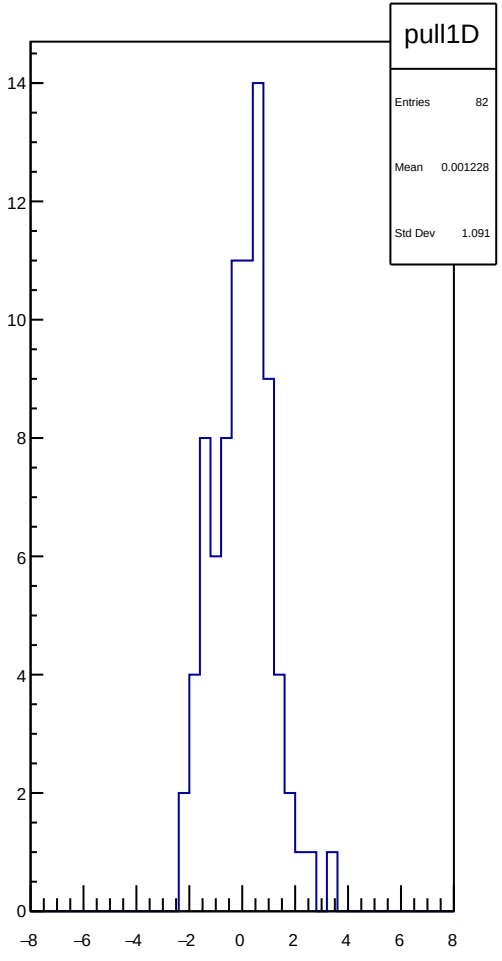

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.19e+05 / 81
p0 1.092e−10 ± 1.175e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

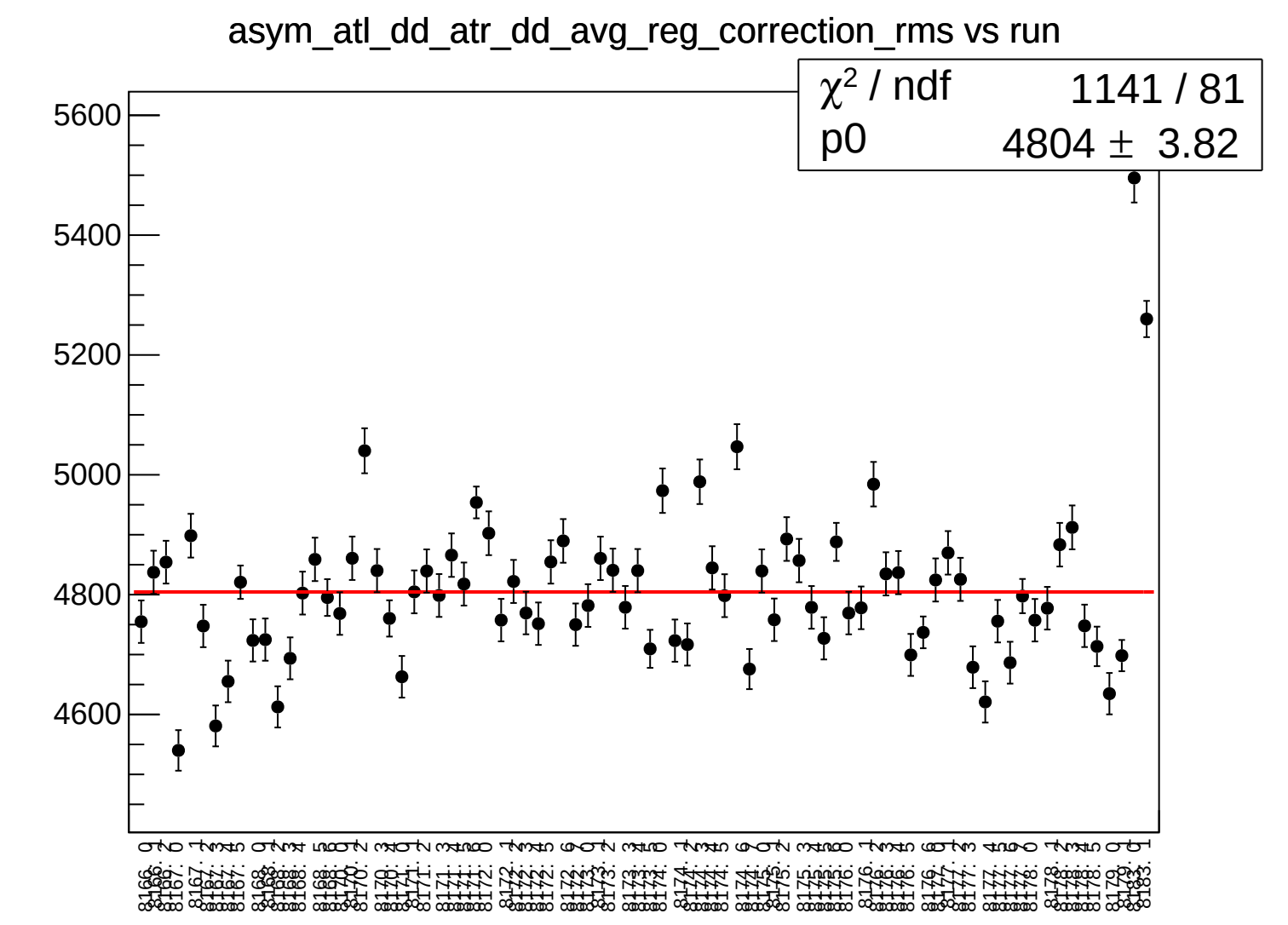

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
pull
Entries 82
Mean 282.4
Std Dev 0

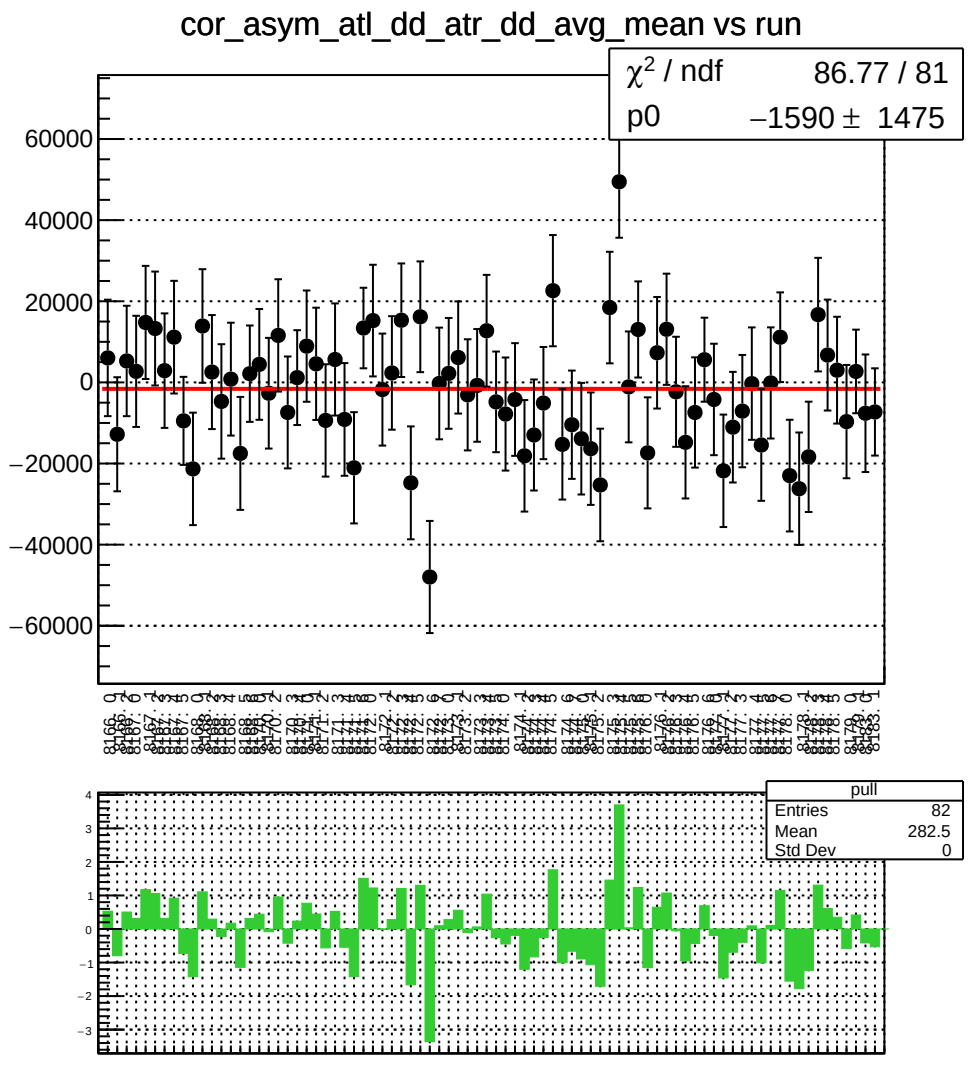

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029

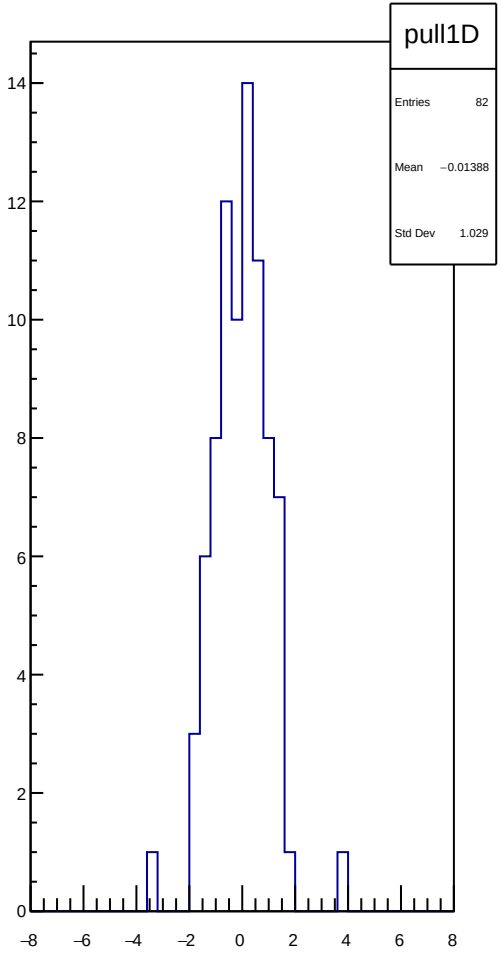

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

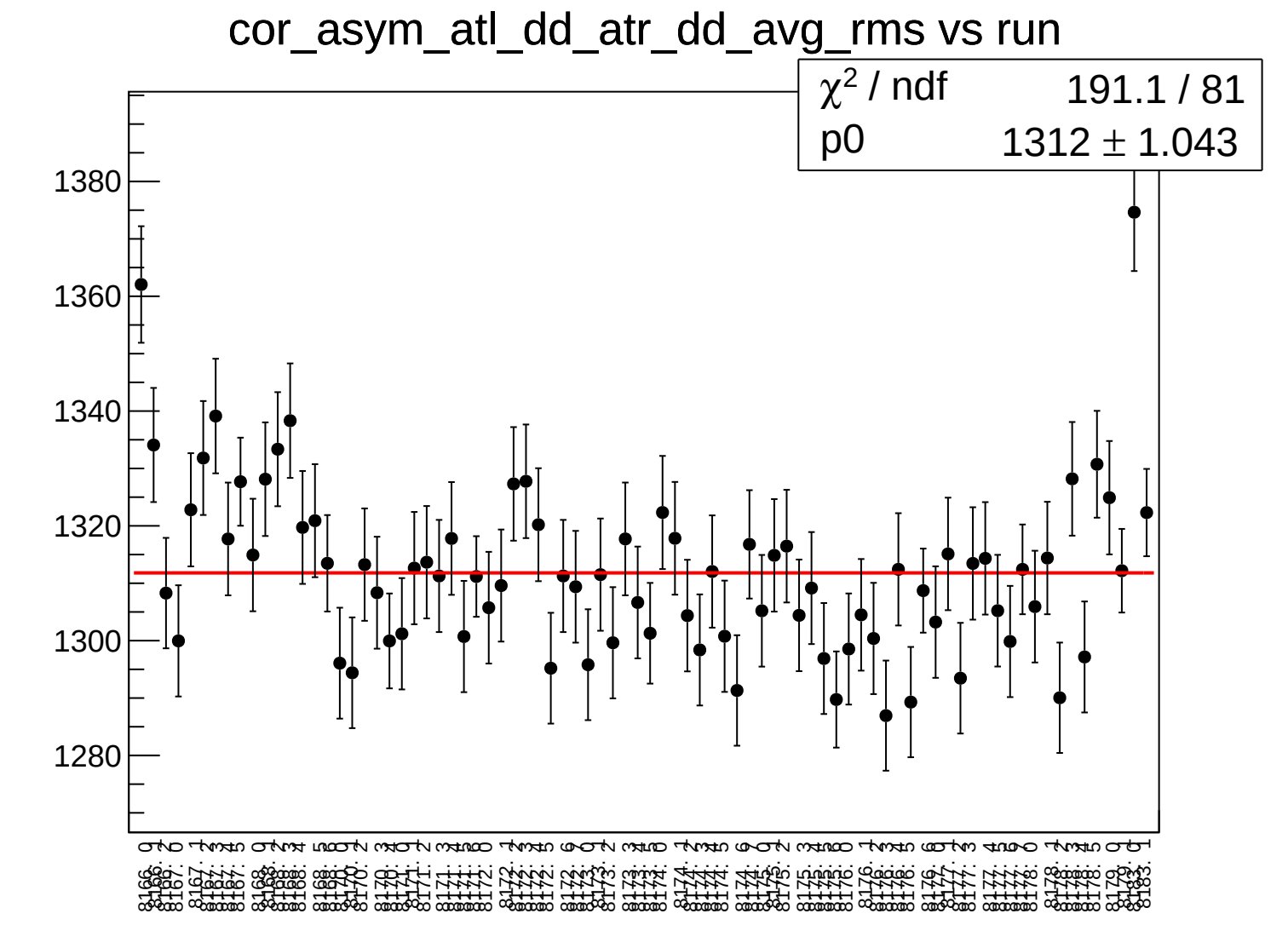

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.4 ± 5402
pull
Entries 82
Mean 880.7
Std Dev 0

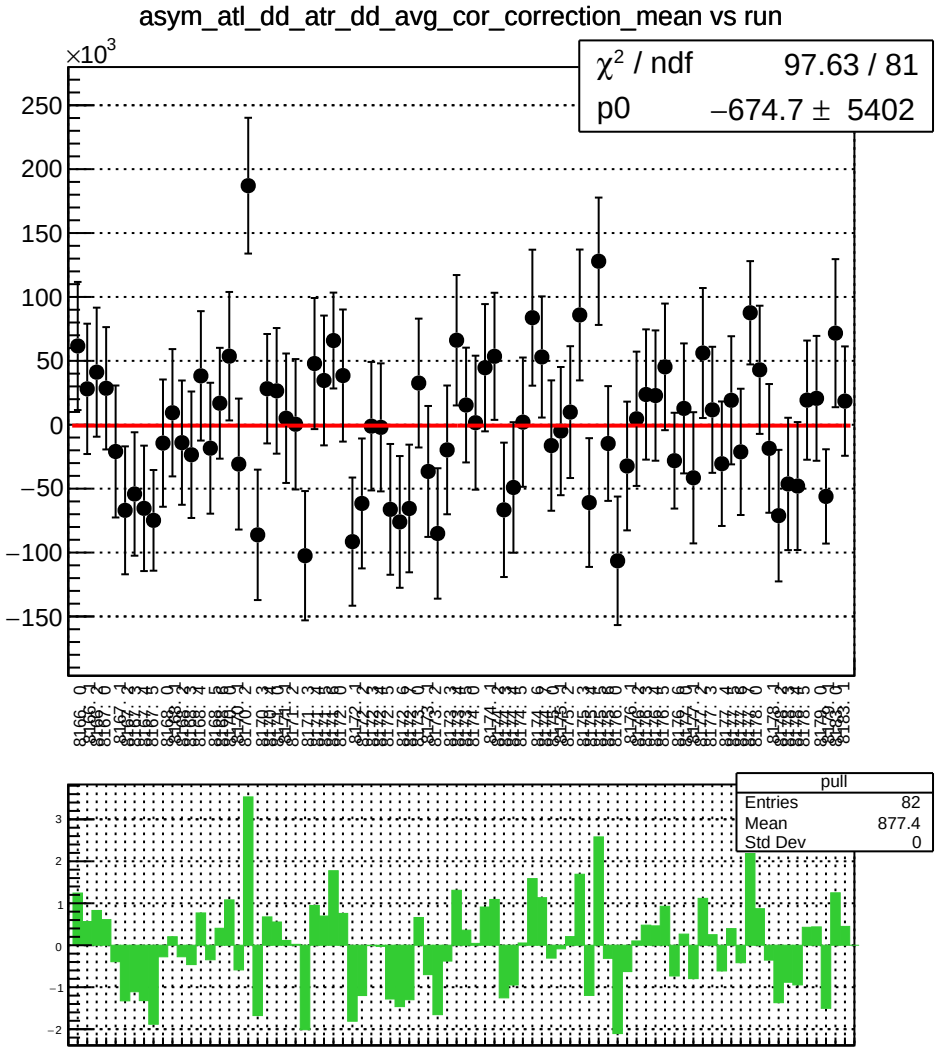

pull1D
Entries 82
Mean 0.001228
Std Dev 1.091

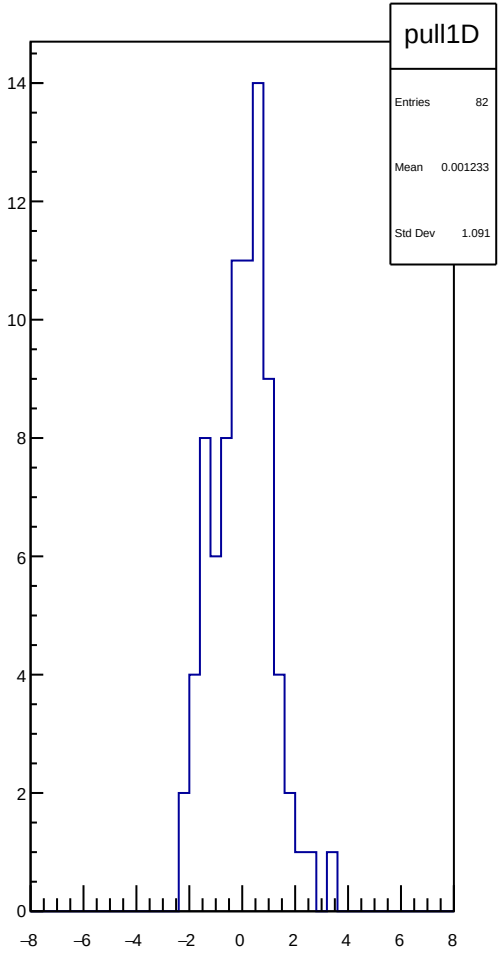

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 1141 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

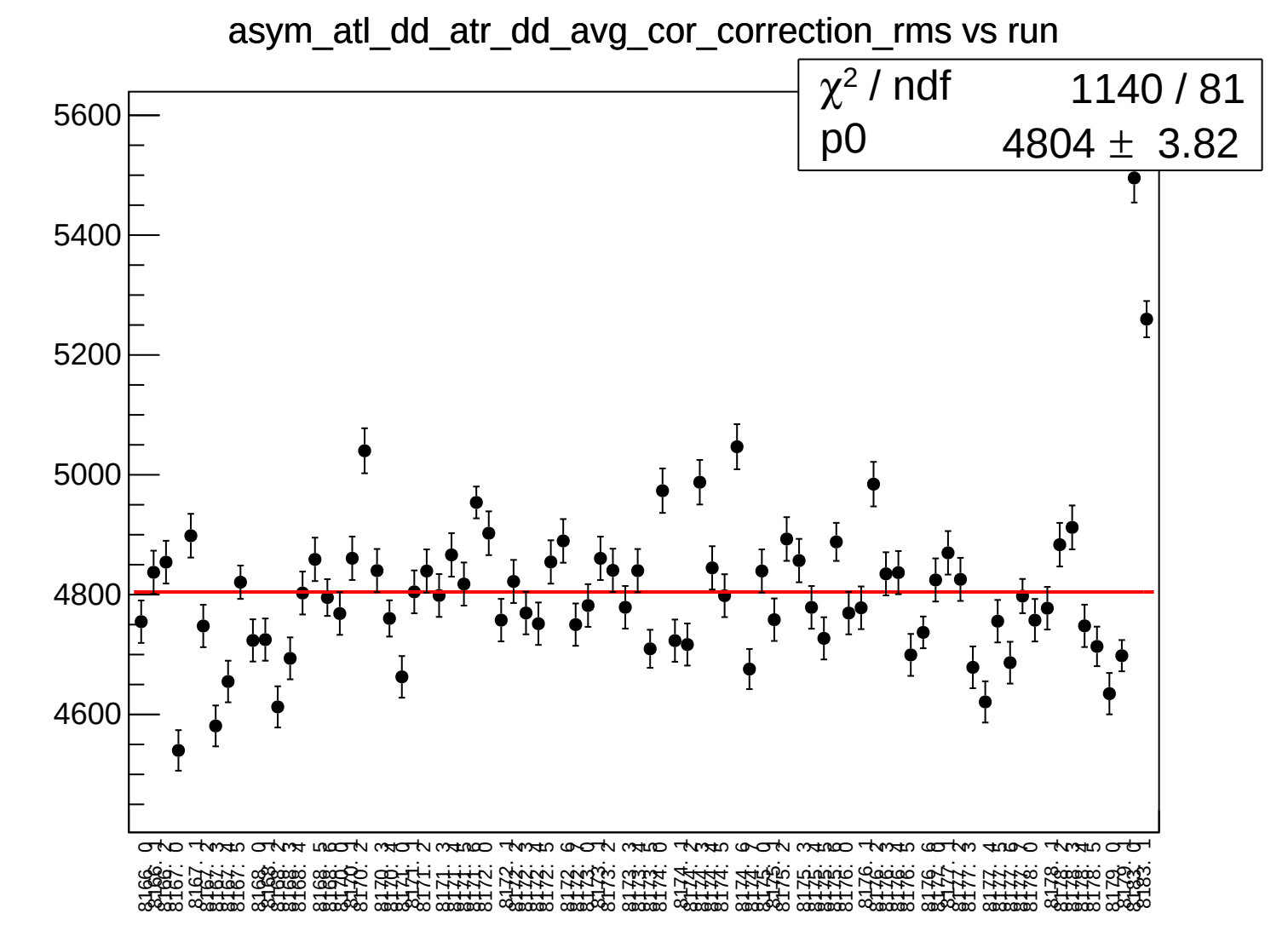

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
pull
Entries 82
Mean 282.5
Std Dev 0

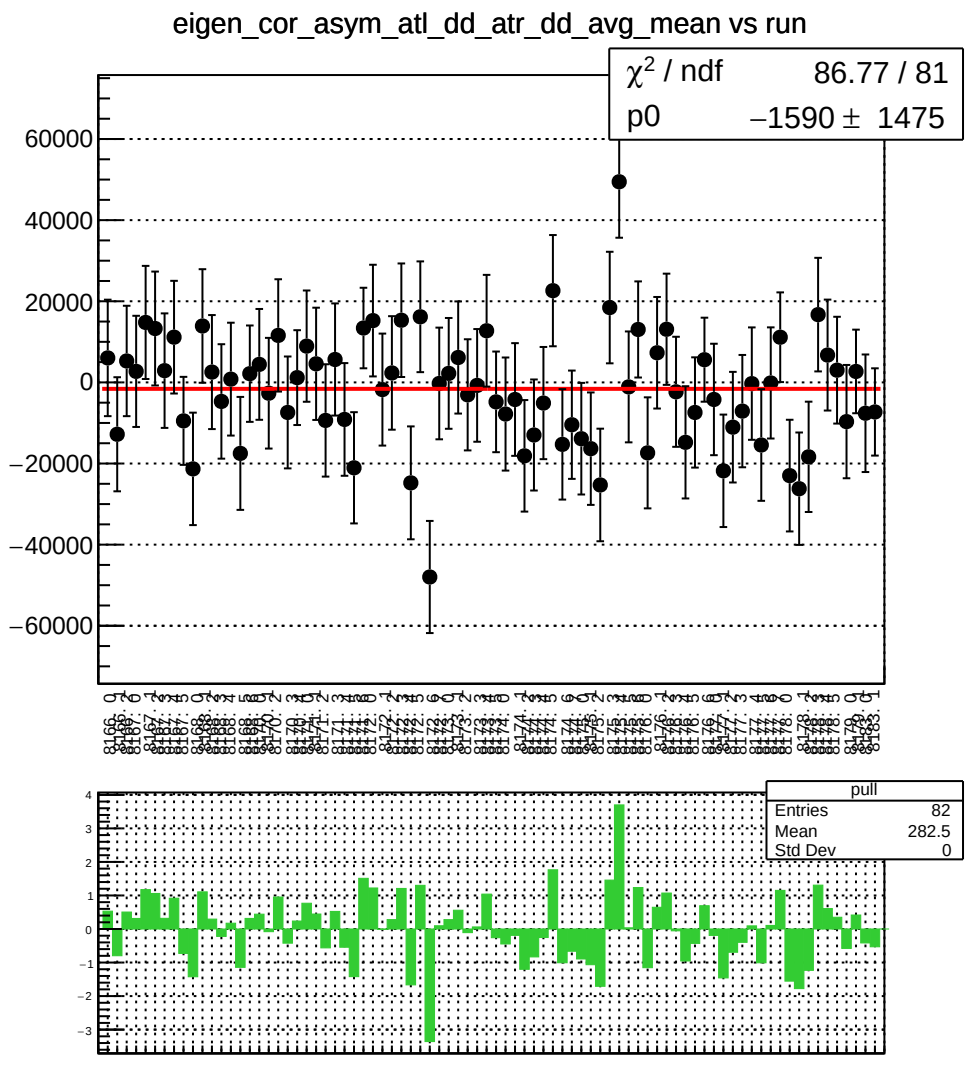

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029

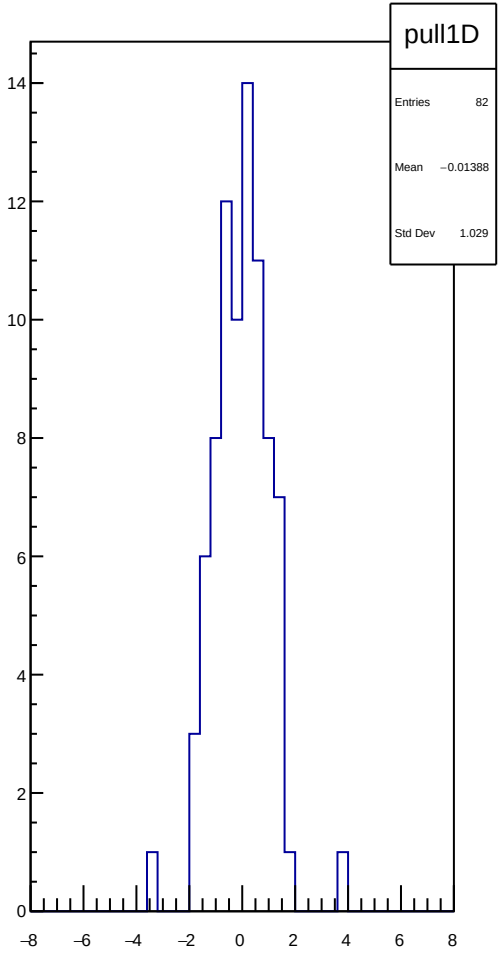

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

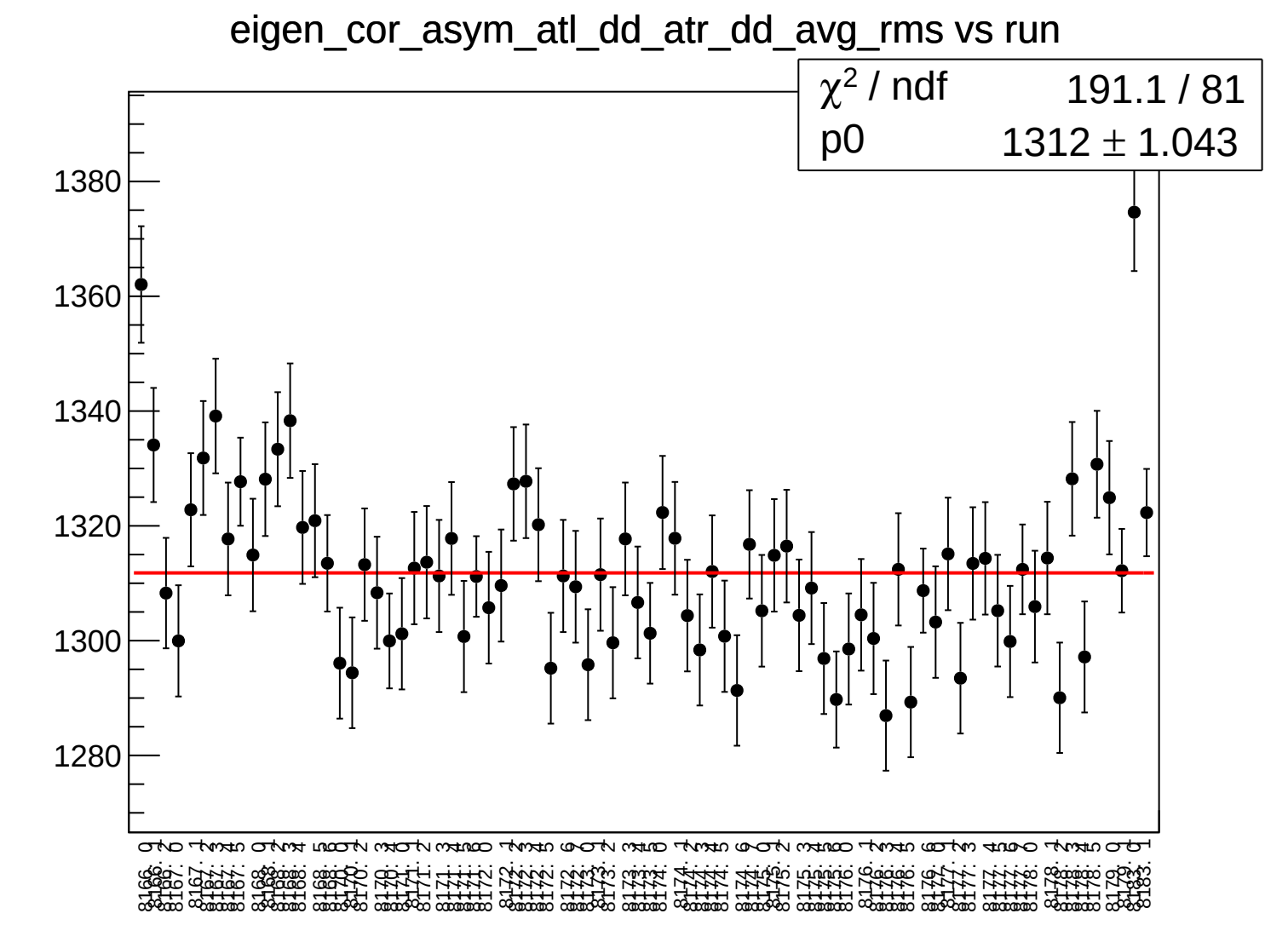

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
χ² / ndf 97.63 / 81
p0 −674.7 ± 5402
×10³
pull
Entries 82
Mean 877.4
Std Dev 0

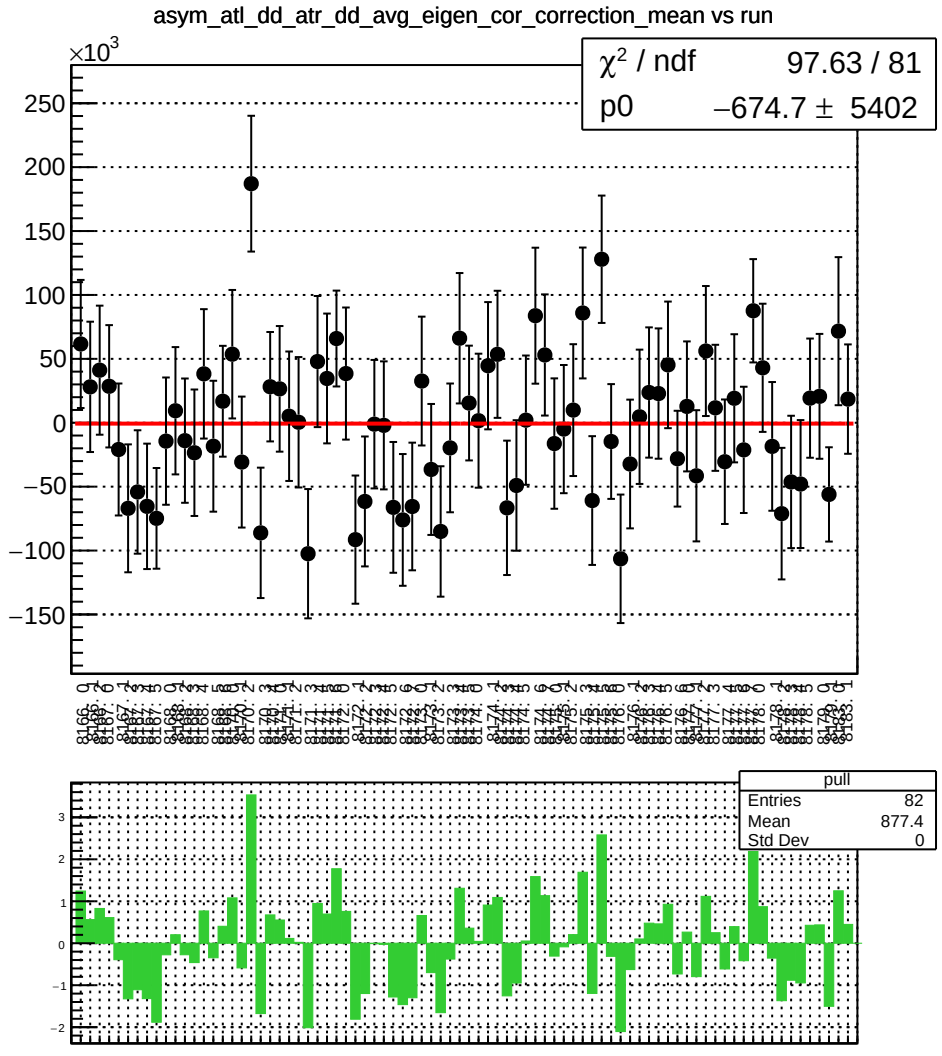

pull1D
Entries 82
Mean 0.001233
Std Dev 1.091

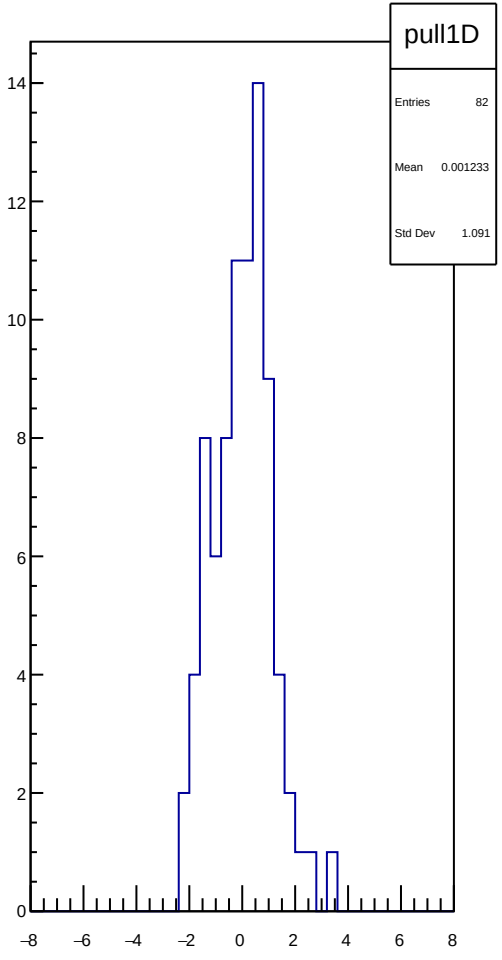

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 1140 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

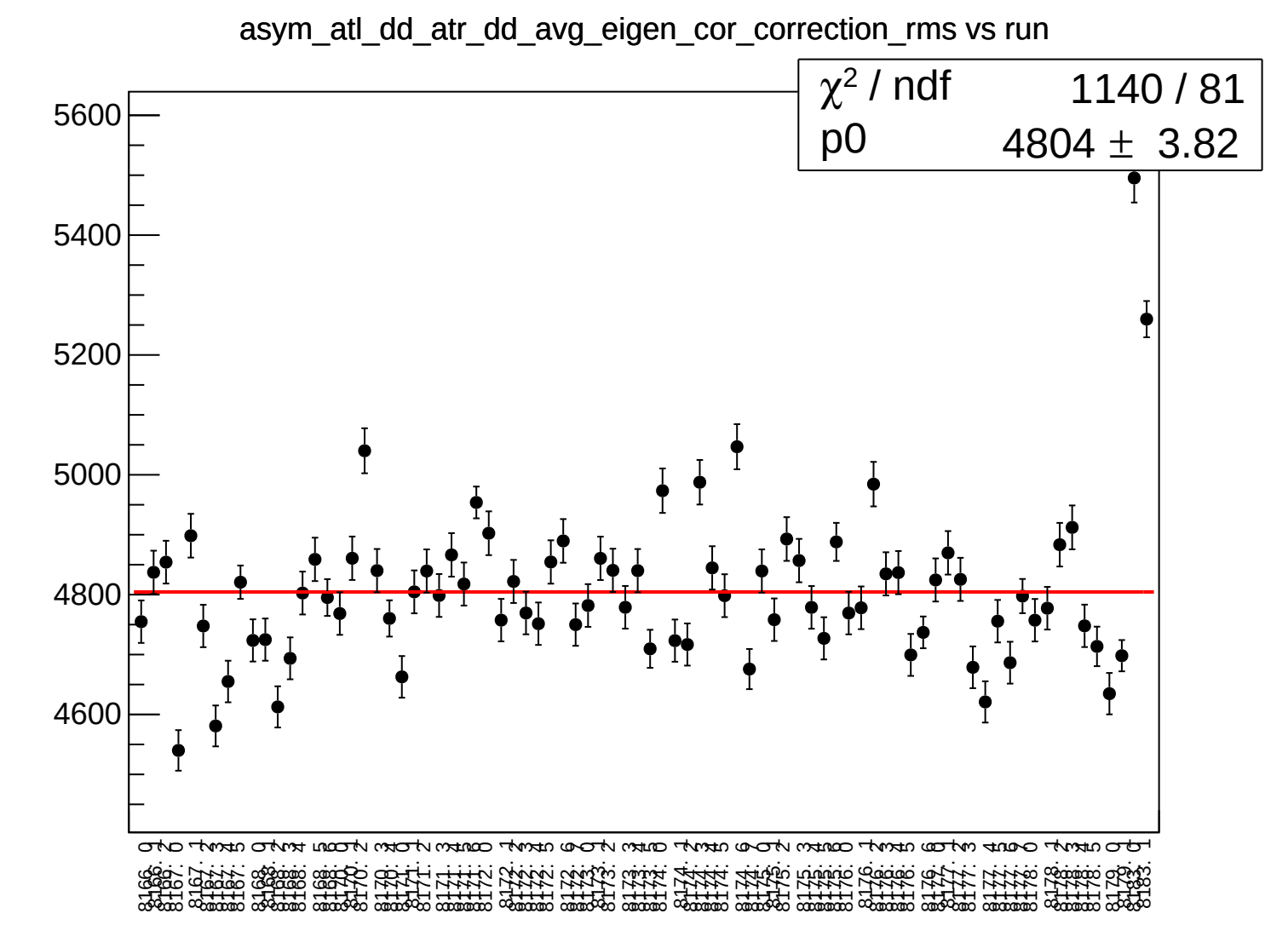

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
pull
Entries 82
Mean 282.5
Std Dev 0

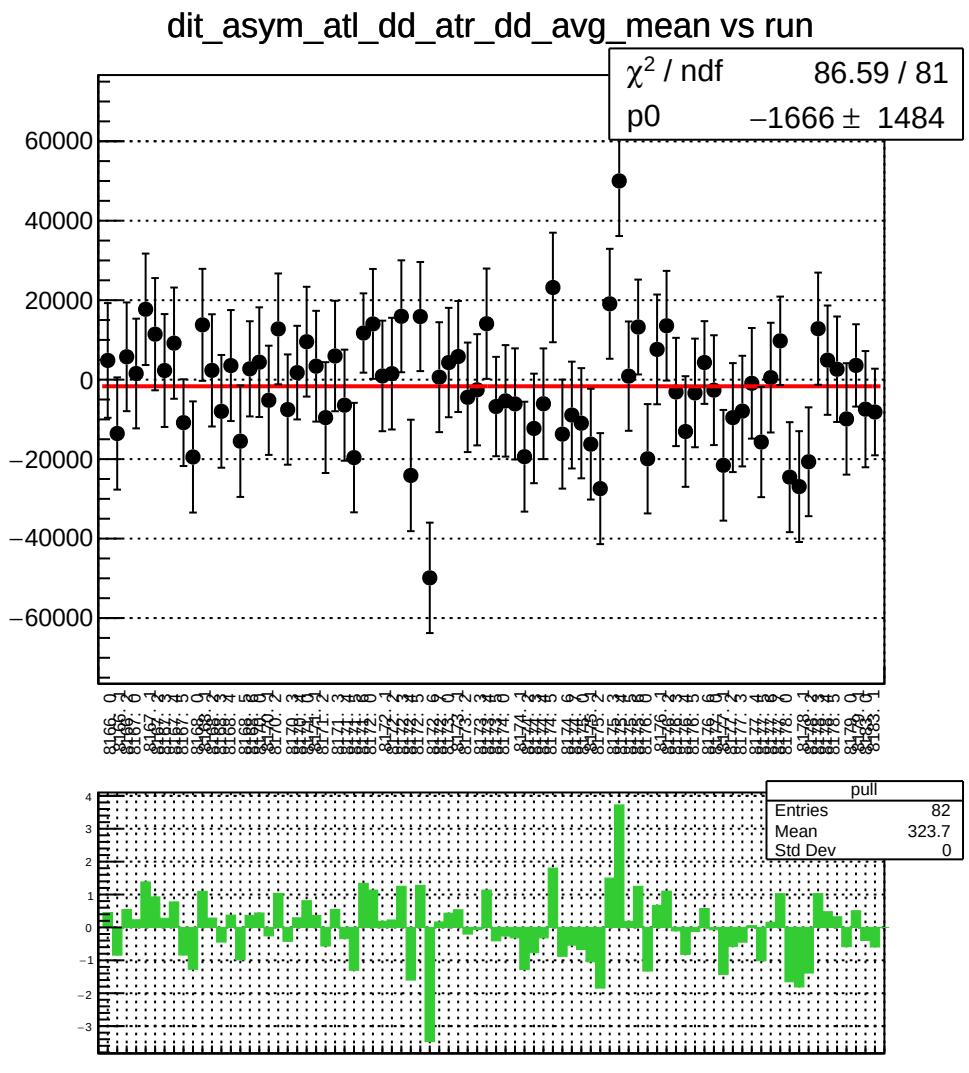

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029

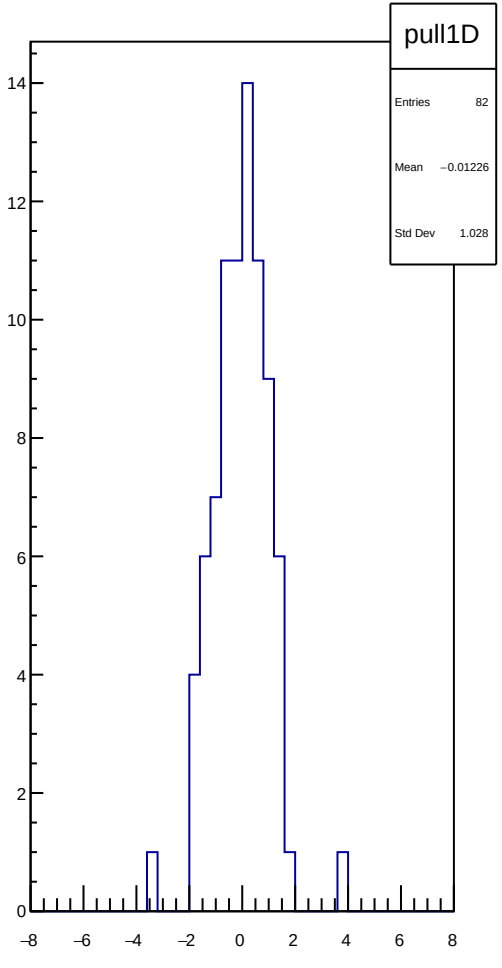

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

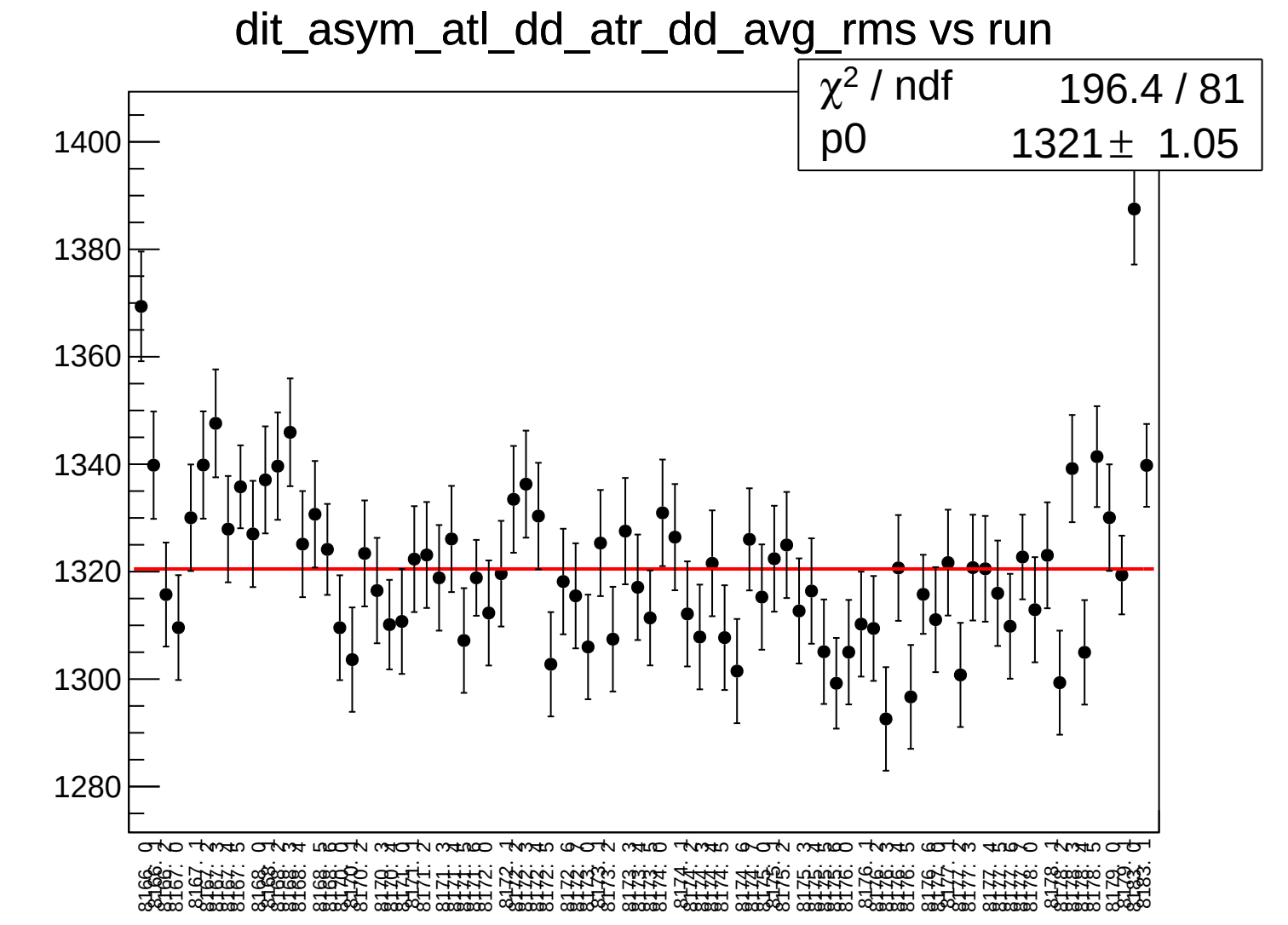

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.7 ± 5402
pull
Entries 82
Mean 877.4
Std Dev 0

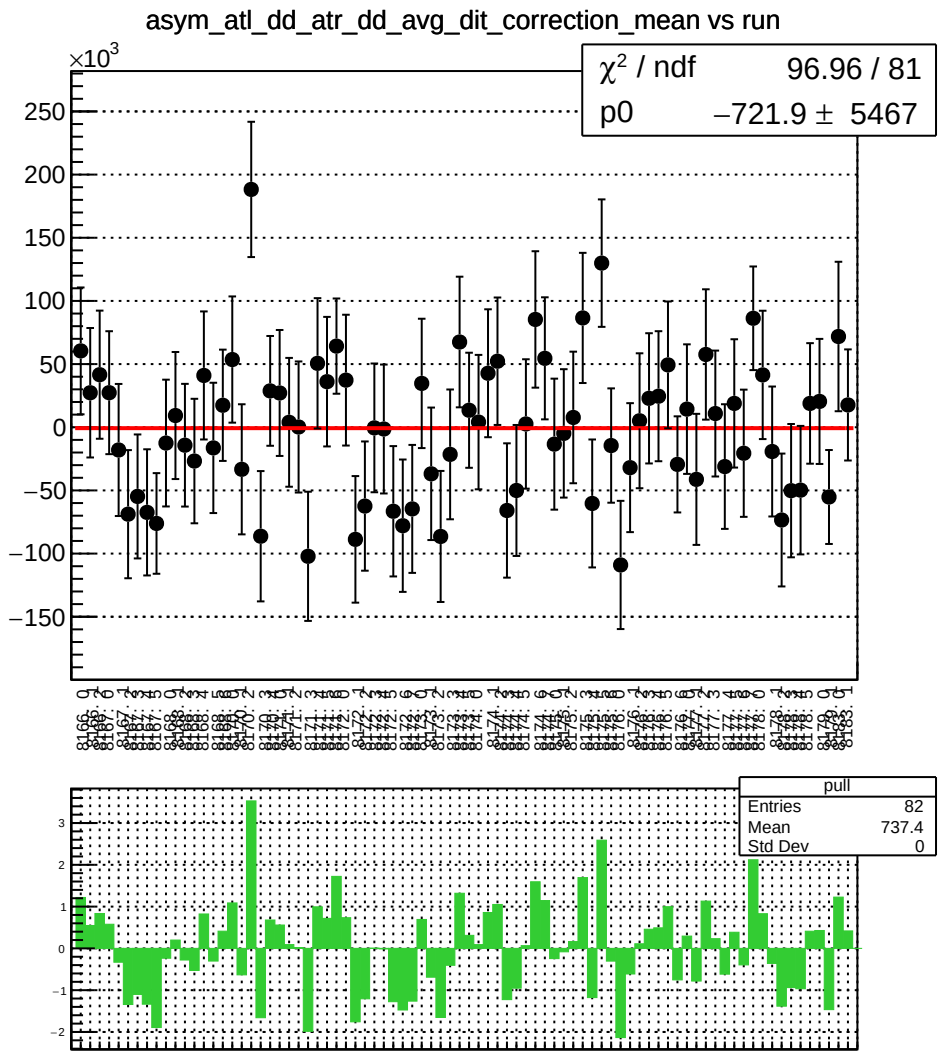

pull1D
Entries 82
Mean 0.001233
Std Dev 1.091

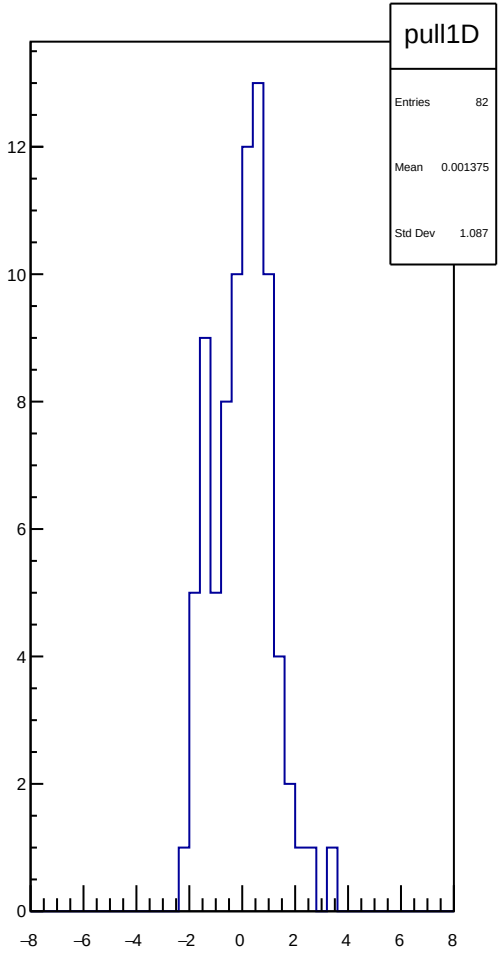

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1140 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

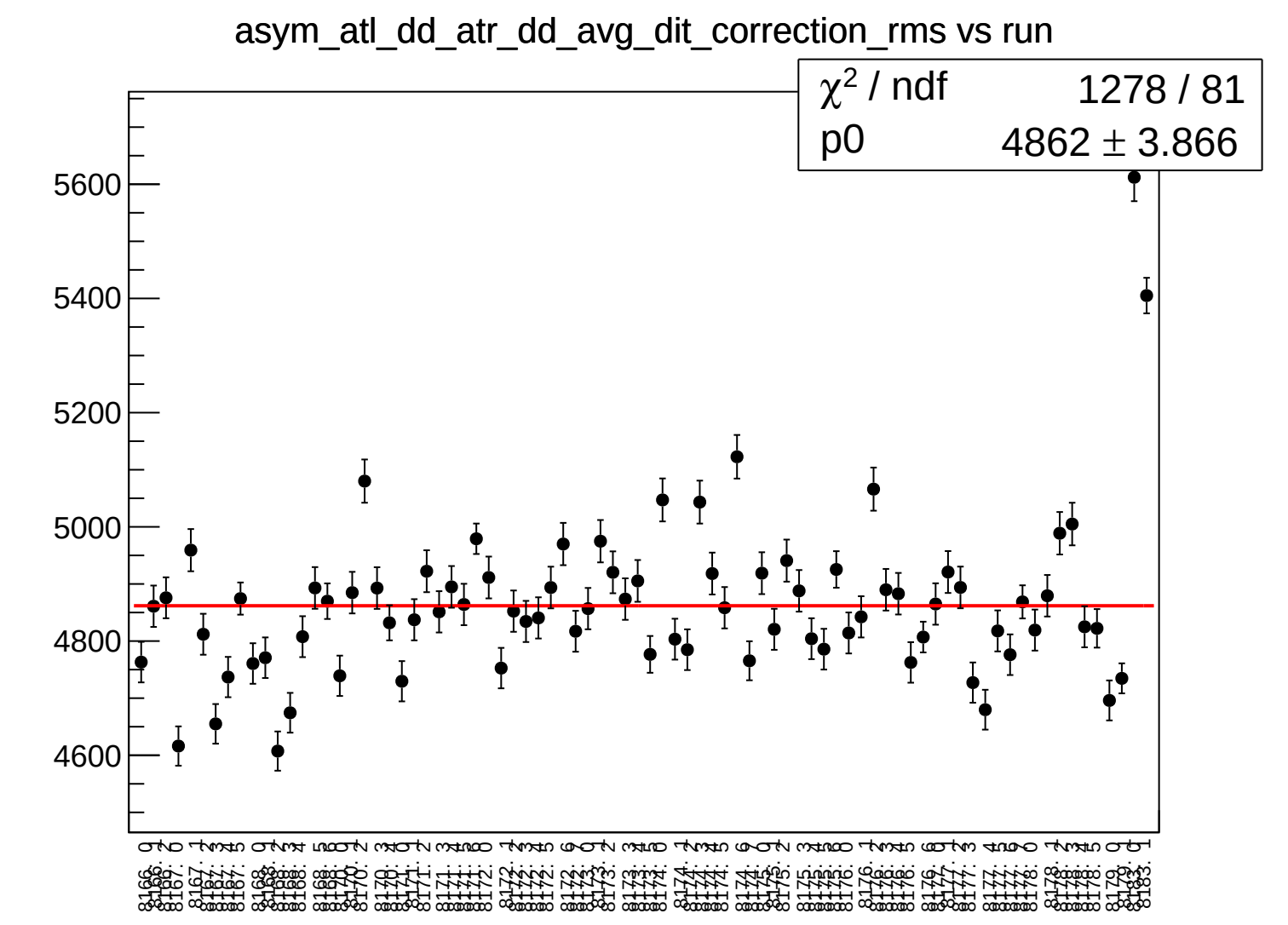

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 86.59 / 81
p0 −1666 ± 1484
pull
Entries 82
Mean 323.7
Std Dev 0

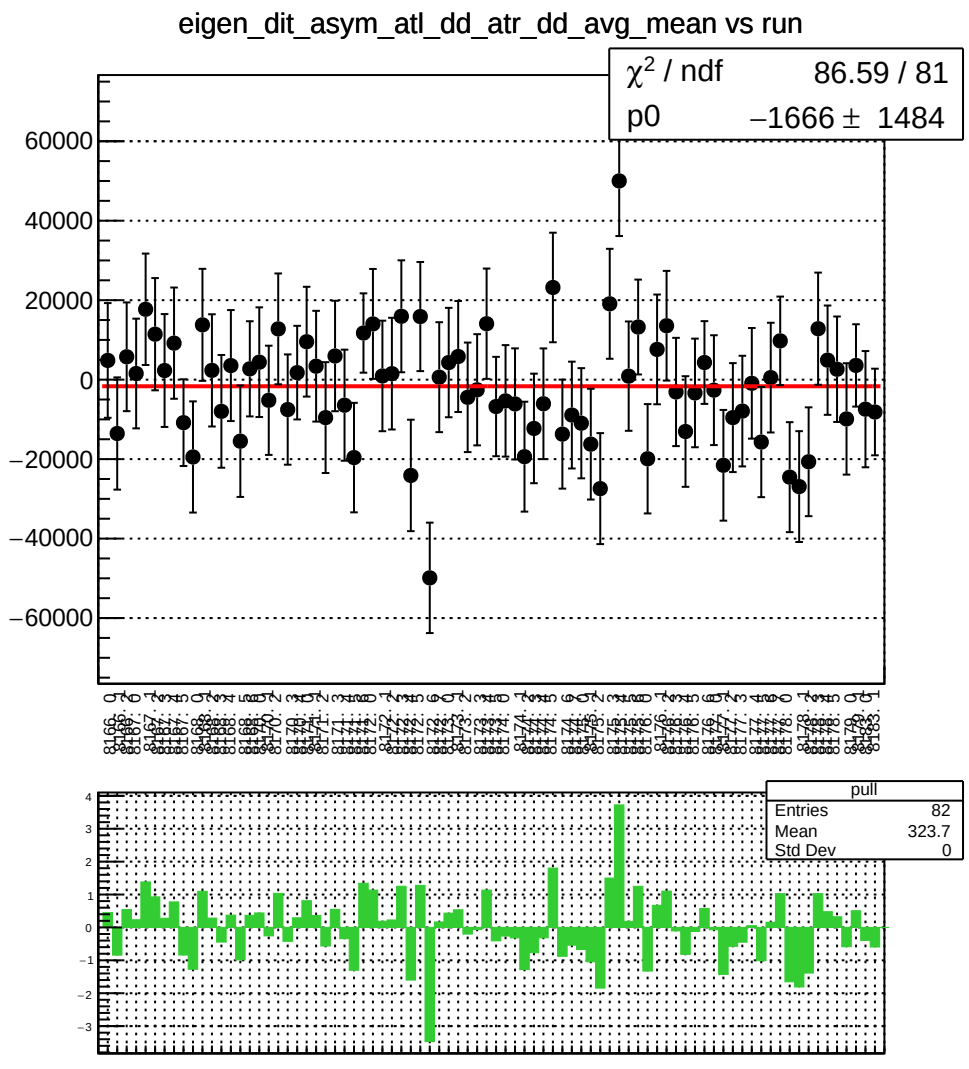

pull1D
Entries 82
Mean −0.01226
Std Dev 1.028

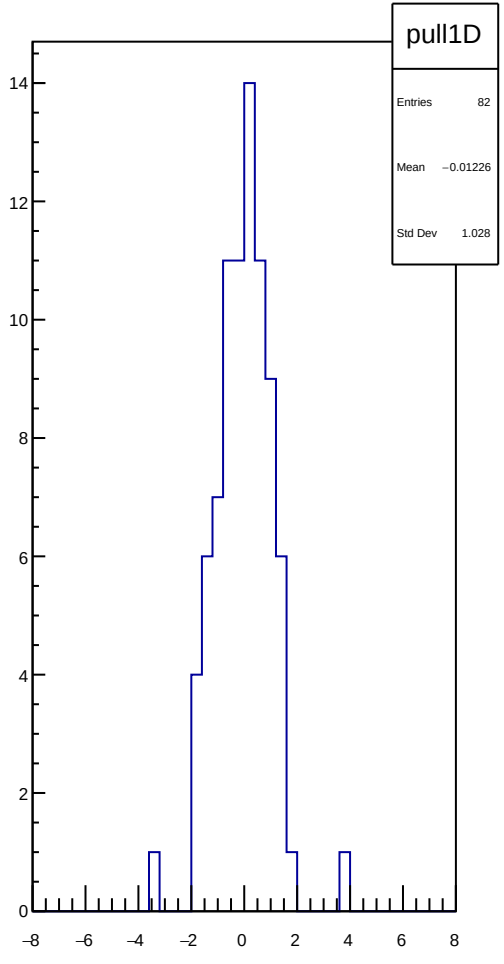

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 196.4 / 81
p0 1321 ± 1.05
1400
1380
1360
1340
1320
1300
1280

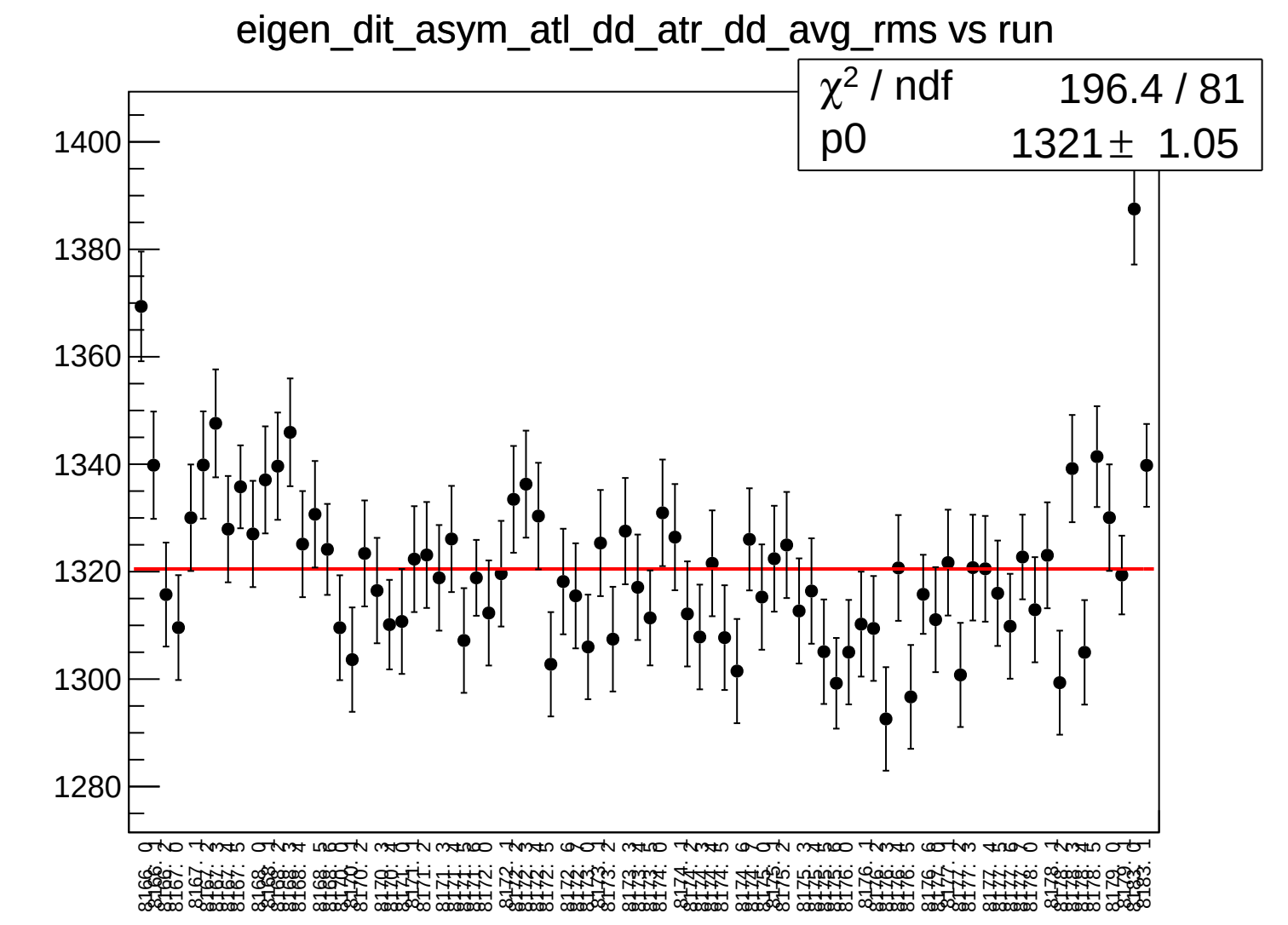

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.96 / 81
p0 −721.9 ± 5467
pull
Entries 82
Mean 737.4
Std Dev 0

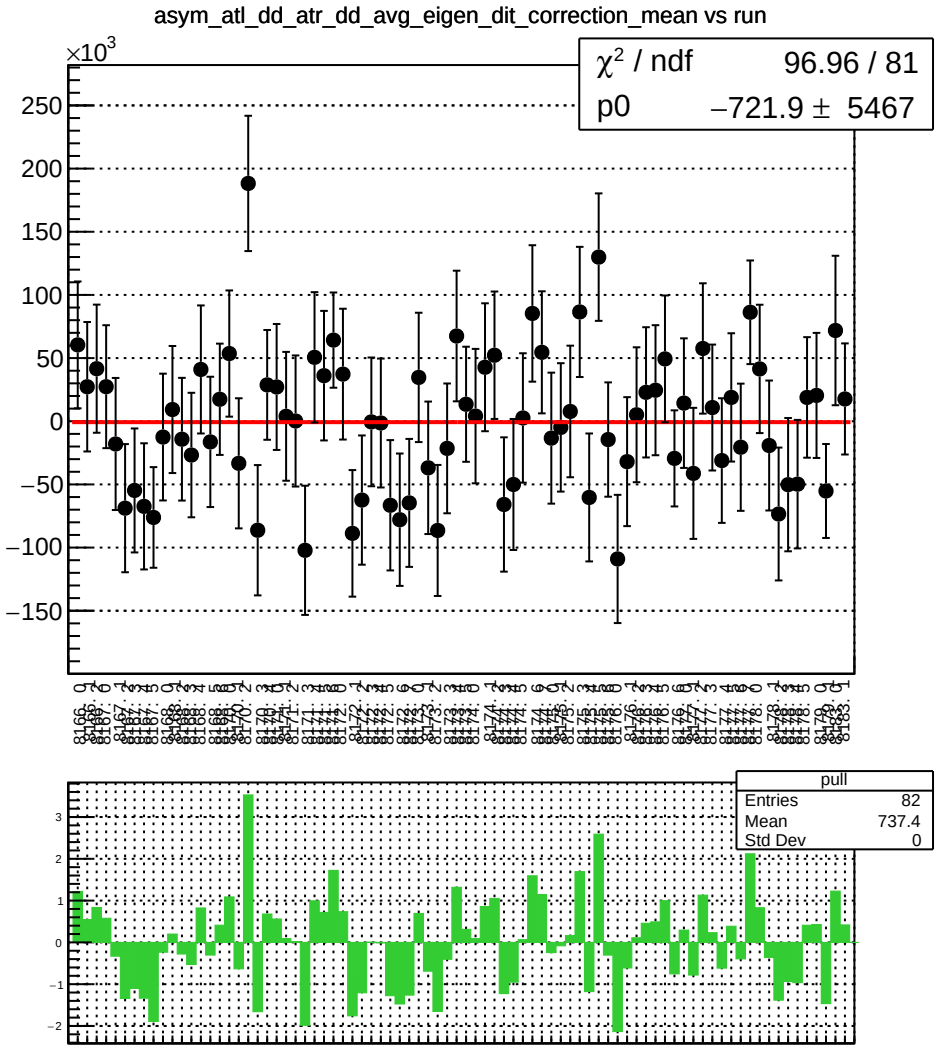

pull1D
Entries 82
Mean 0.001375
Std Dev 1.087

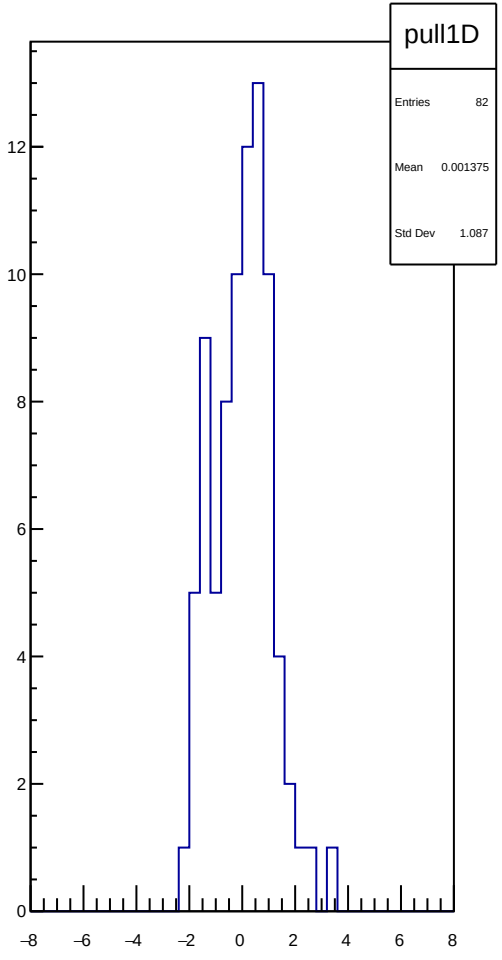

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ^2 / ndf 1278 / 81
p0 4862 ± 3.866
5600
5400
5200
5000
4800
4600

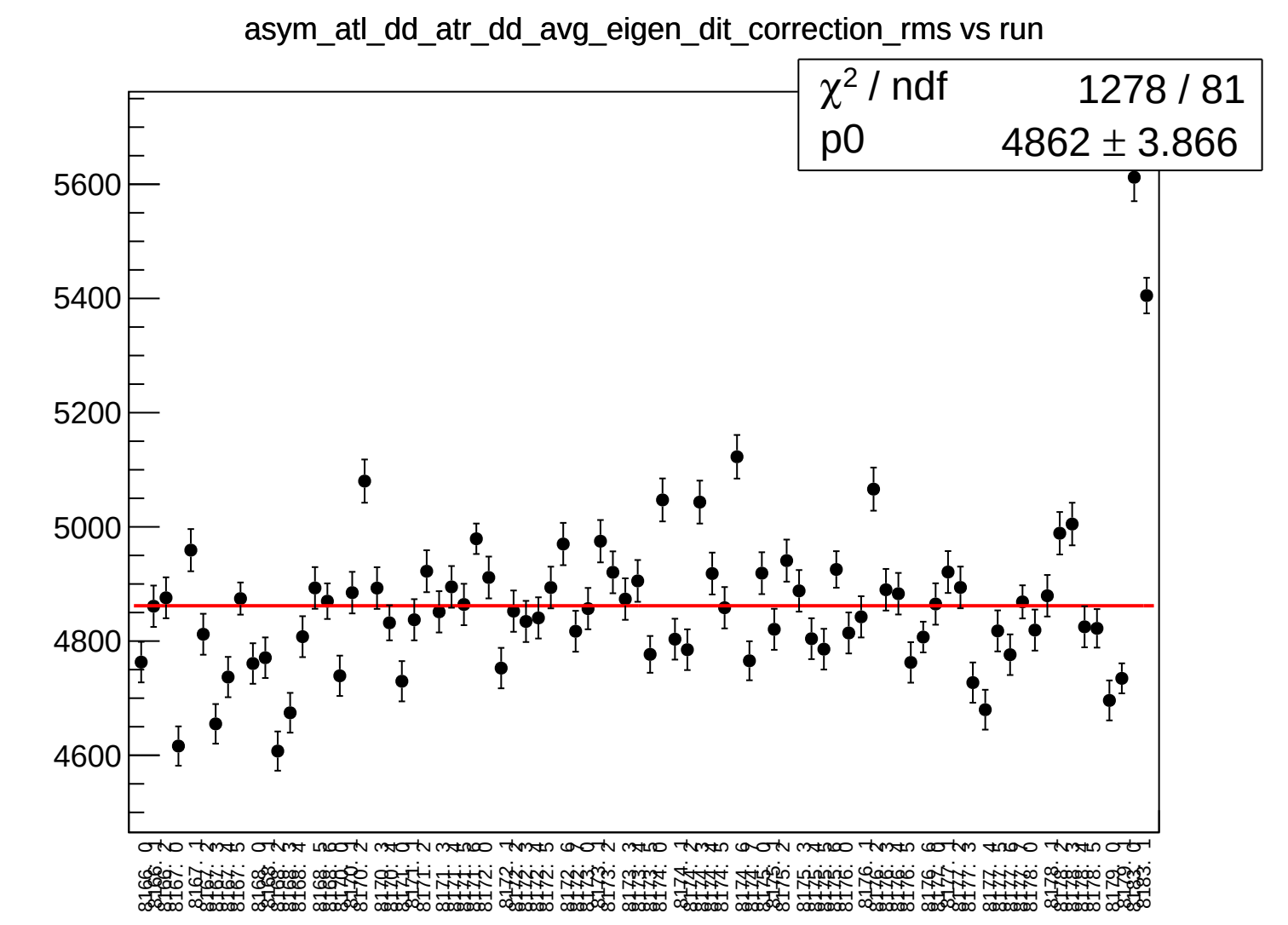

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 86.59 / 81
p0 −1666 ± 1484
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 323.7
Std Dev 0
4
3
2
1
0
−1
−2
−3

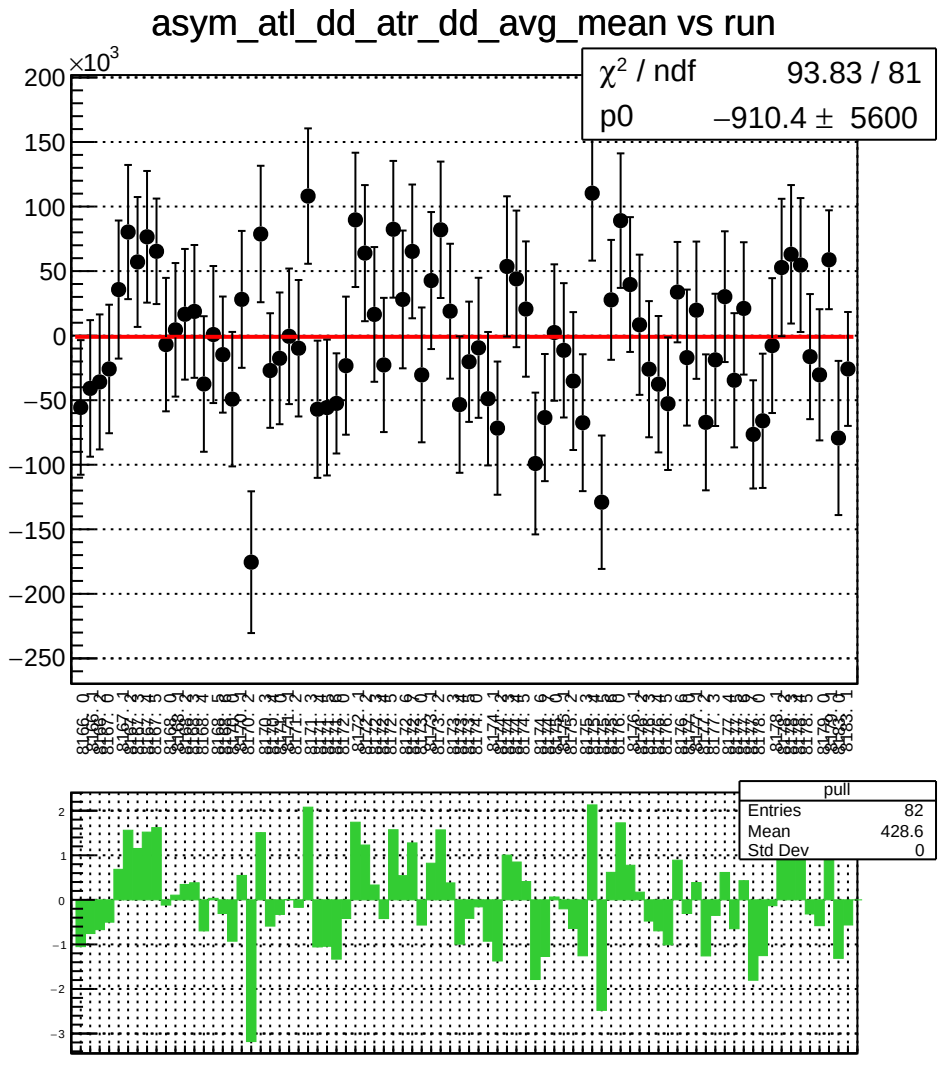

pull1D
Entries 82
Mean −0.01226
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

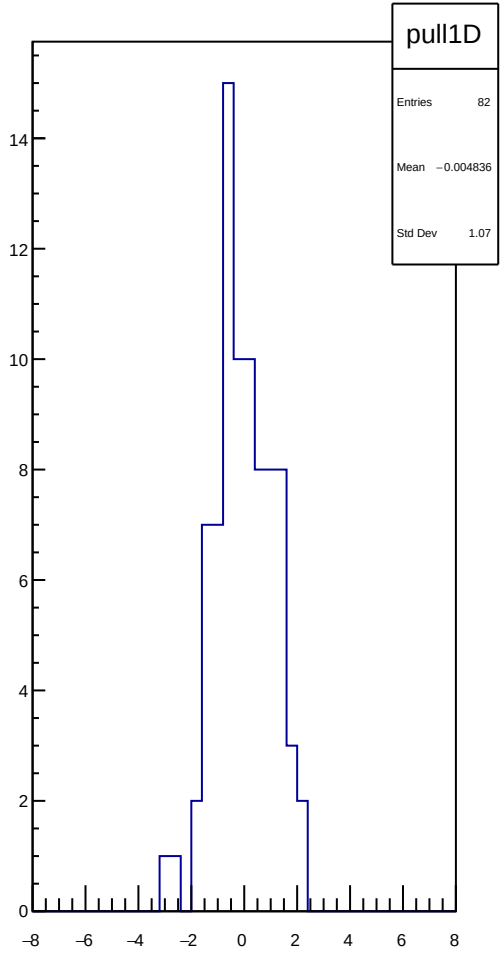

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 196.4 / 81
p0 1321 ± 1.05
1400
1380
1360
1340
1320
1300
1280

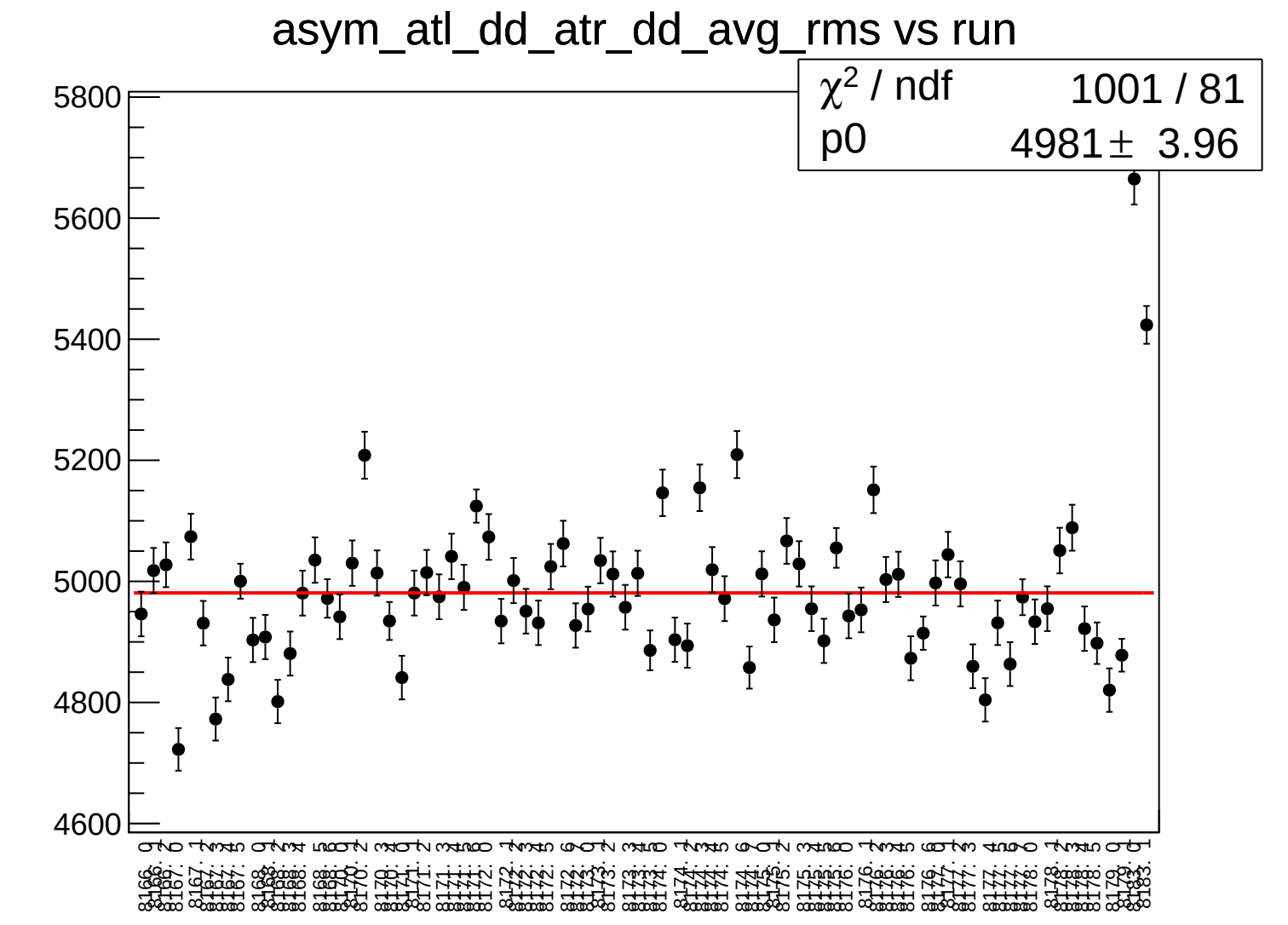

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.96 / 81
p0 −721.9 ± 5467
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 737.4
Std Dev 0
3
2
1
0
−1
−2

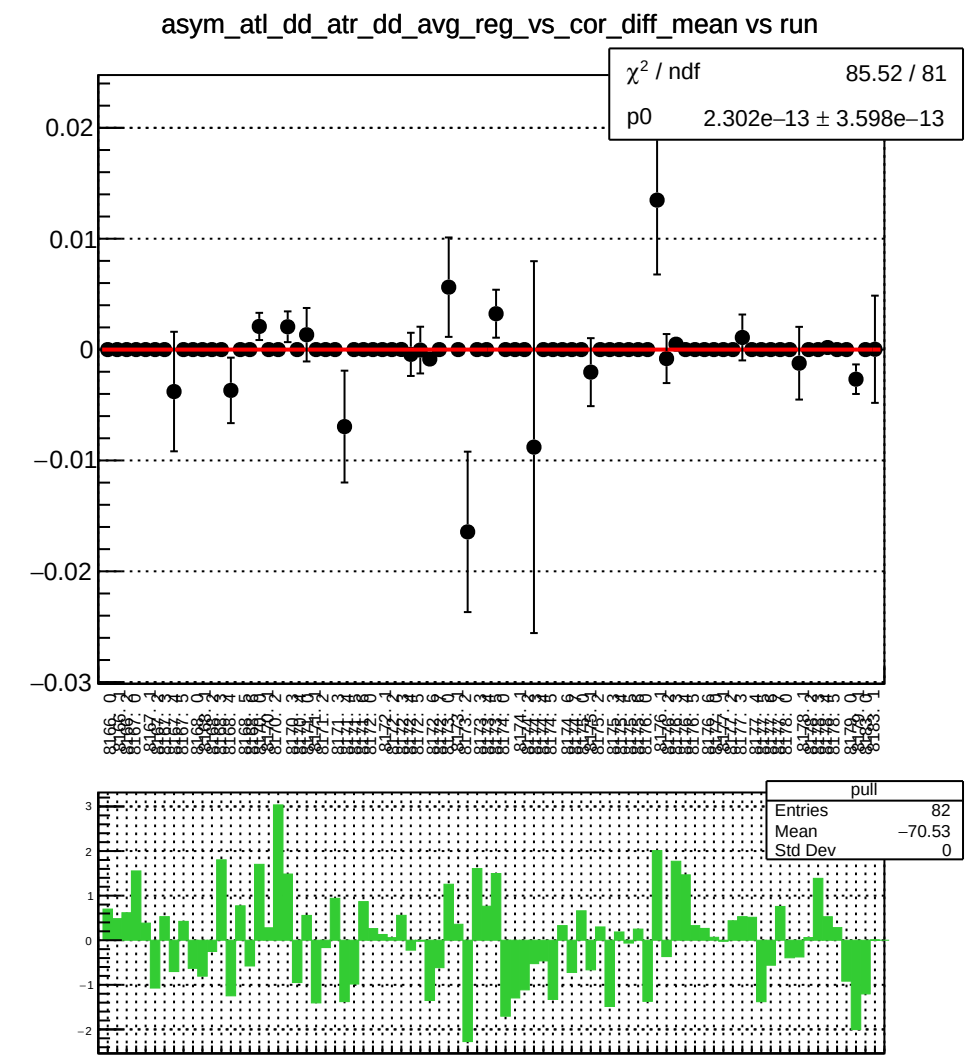

pull1D
Entries 82
Mean 0.001375
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

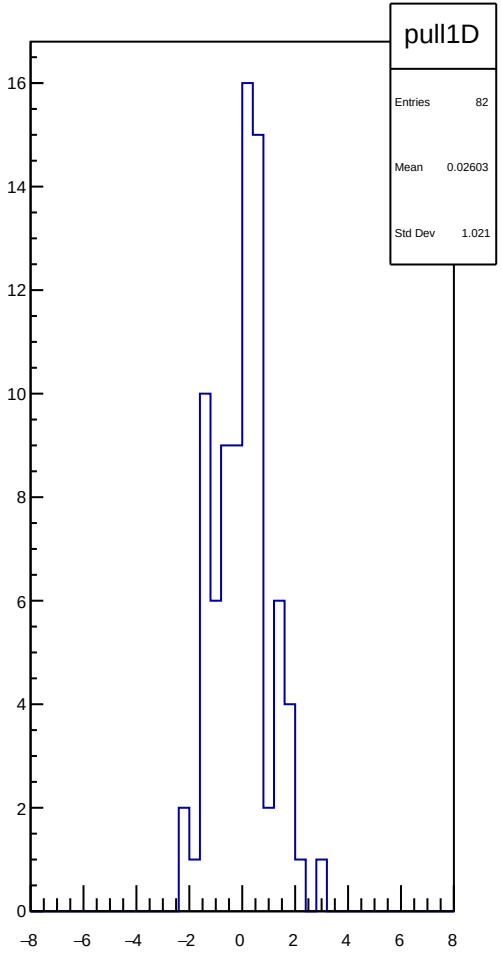

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1278 / 81
p0 4862 ± 3.866
5600
5400
5200
5000
4800
4600

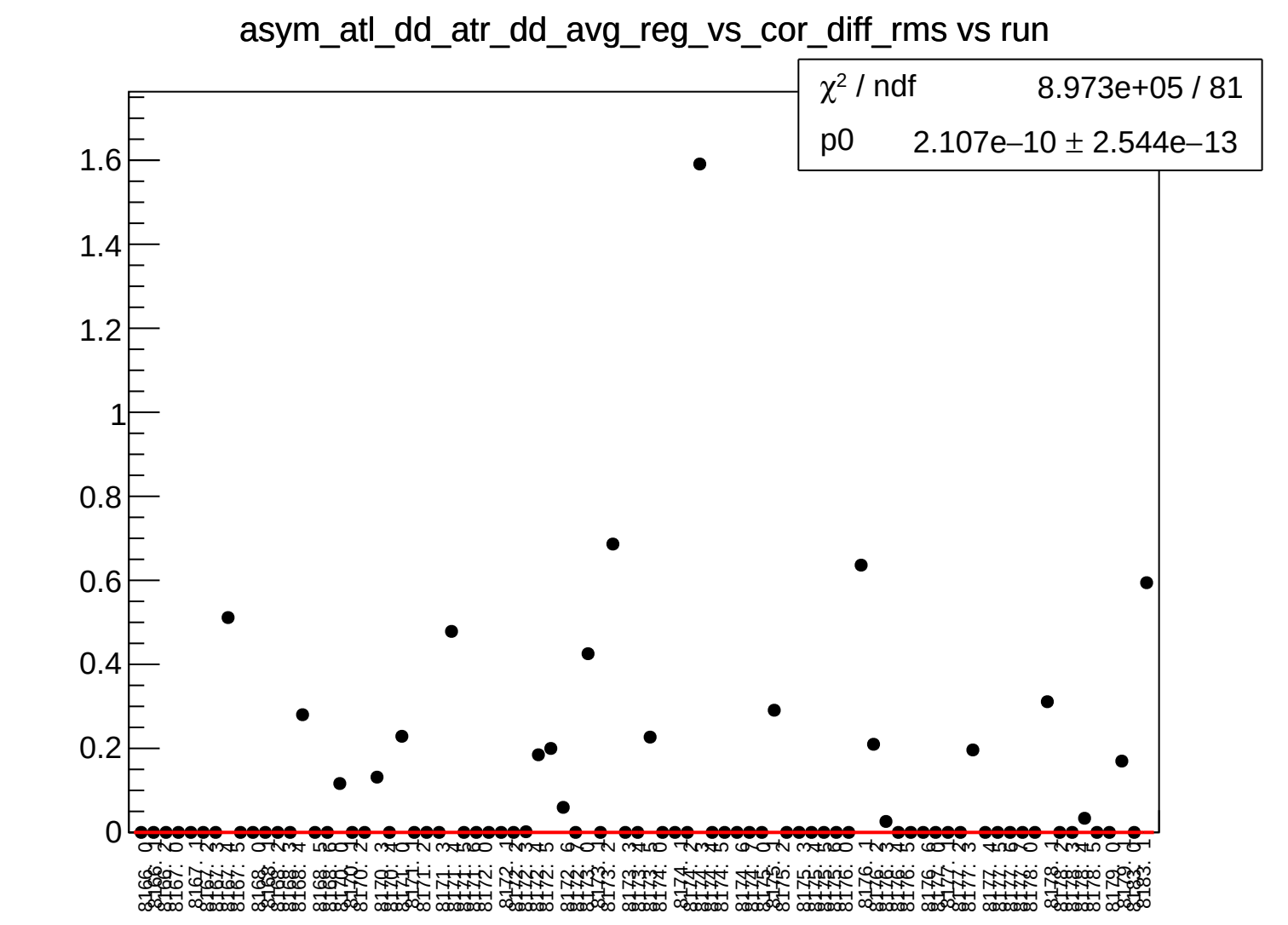

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 93.83 / 81
p0 −910.4 ± 5600
×10³
pull
Entries 82
Mean 428.6
Std Dev 0

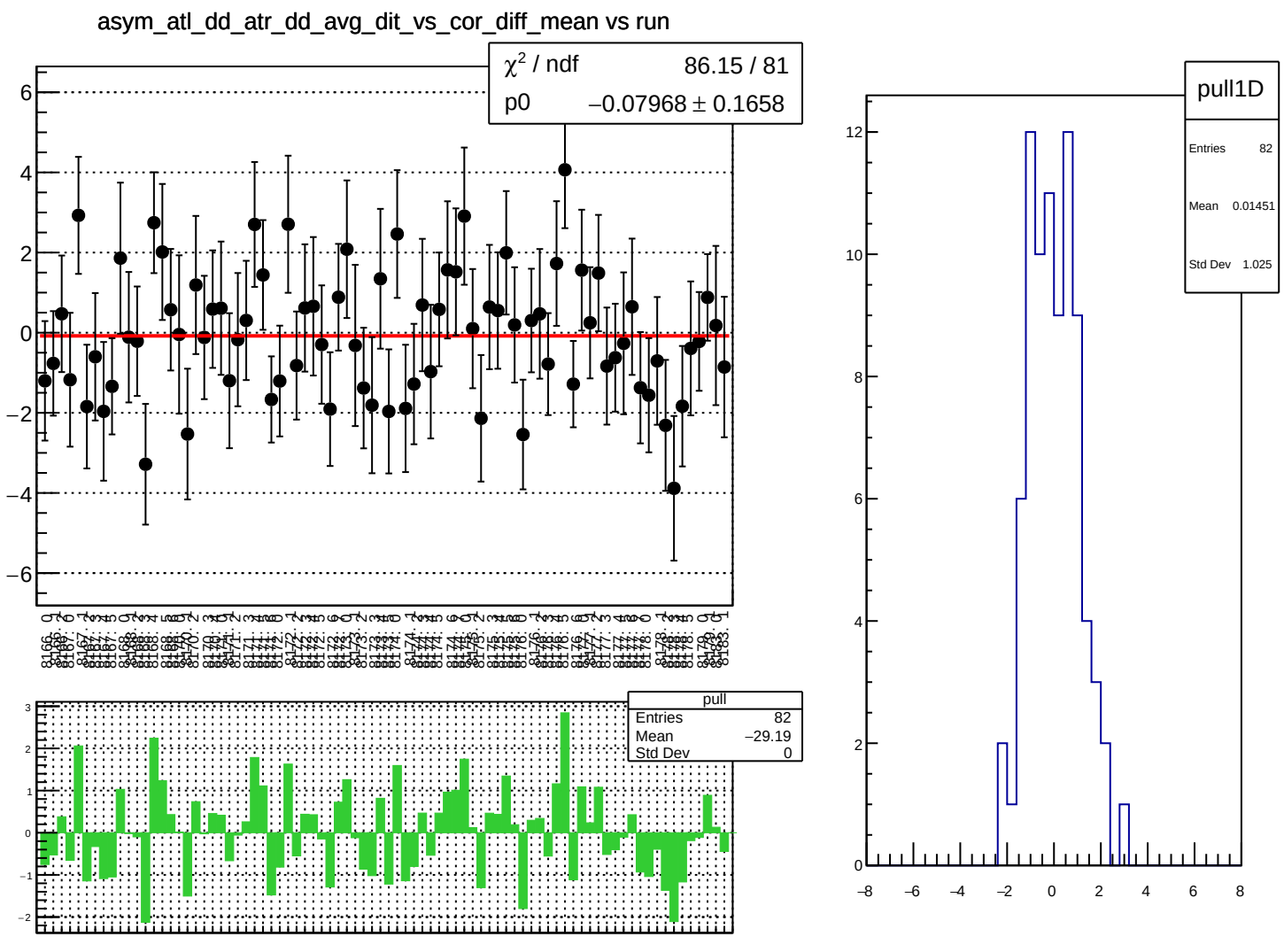

pull1D
Entries 82
Mean −0.004836
Std Dev 1.07

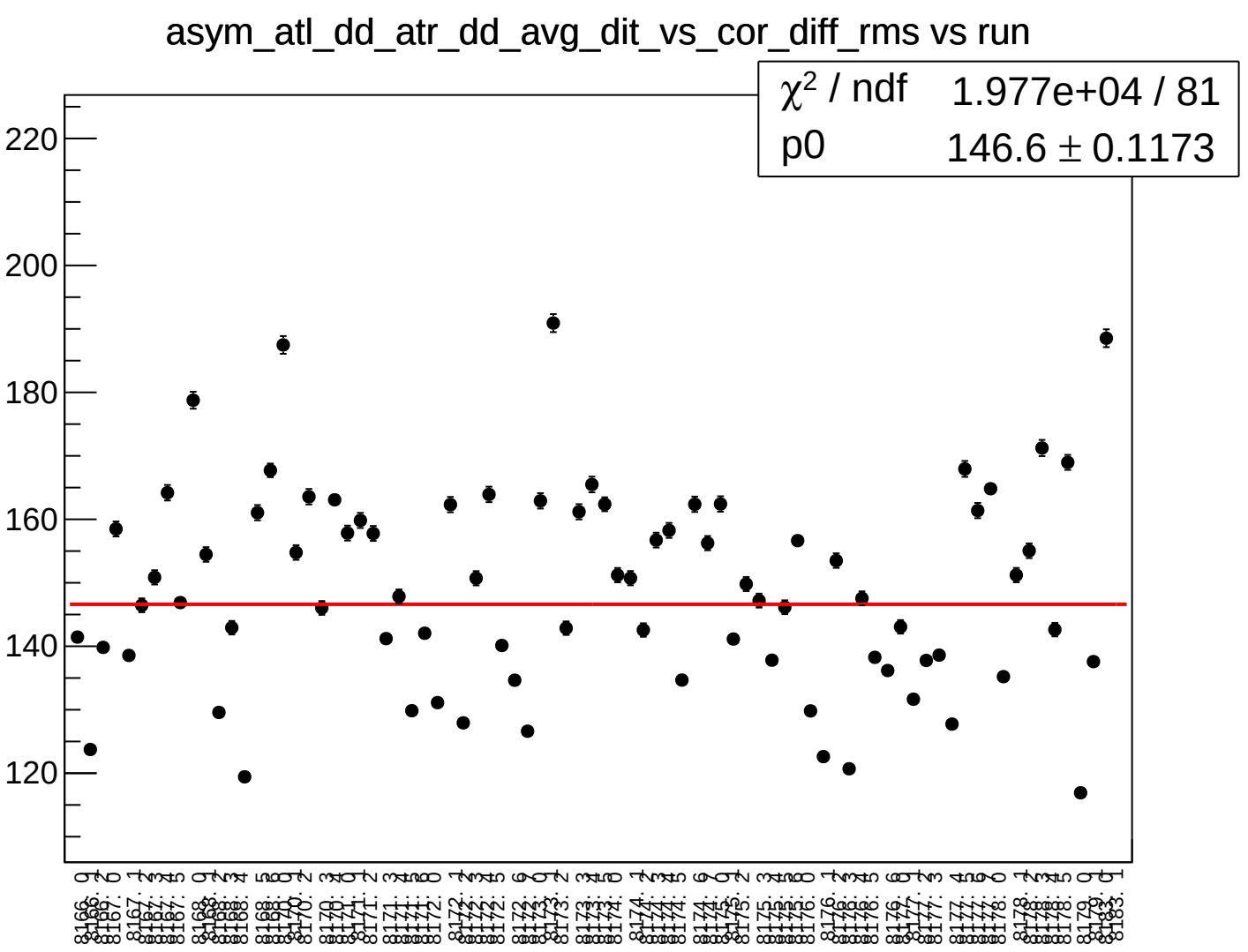

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1001 / 81
p0 4981 ± 3.96
5800
5600
5400
5200
5000
4800
4600

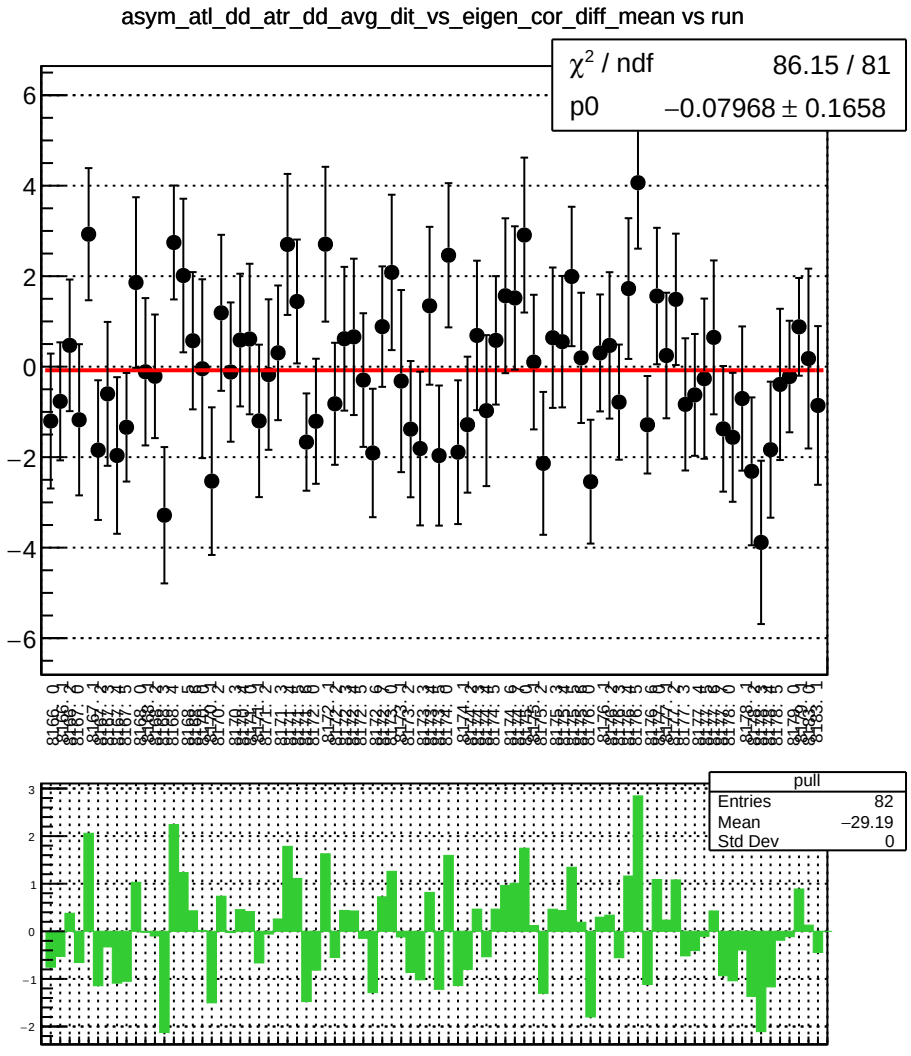

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 85.52 / 81
p0 2.302e−13 ± 3.598e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean −70.53
Std Dev 0
3
2
1
0
−1
−2

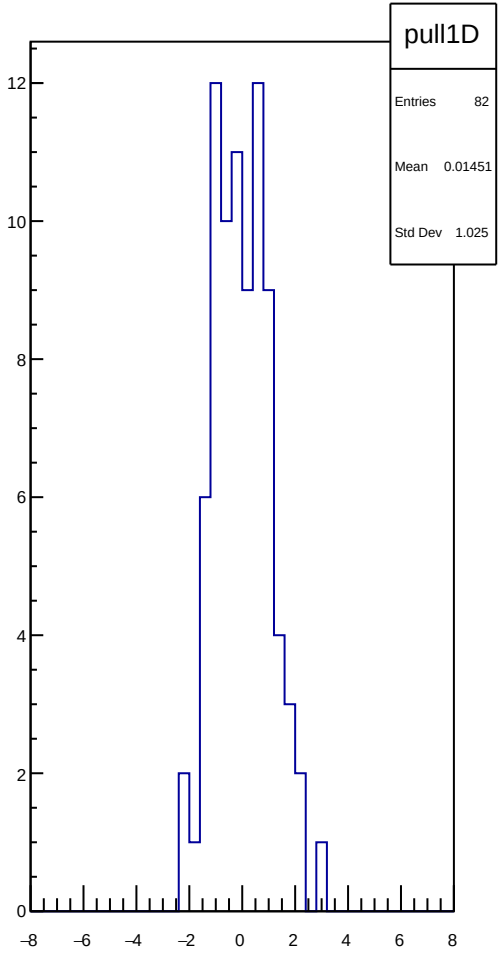

pull1D
Entries 82
Mean 0.02603
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

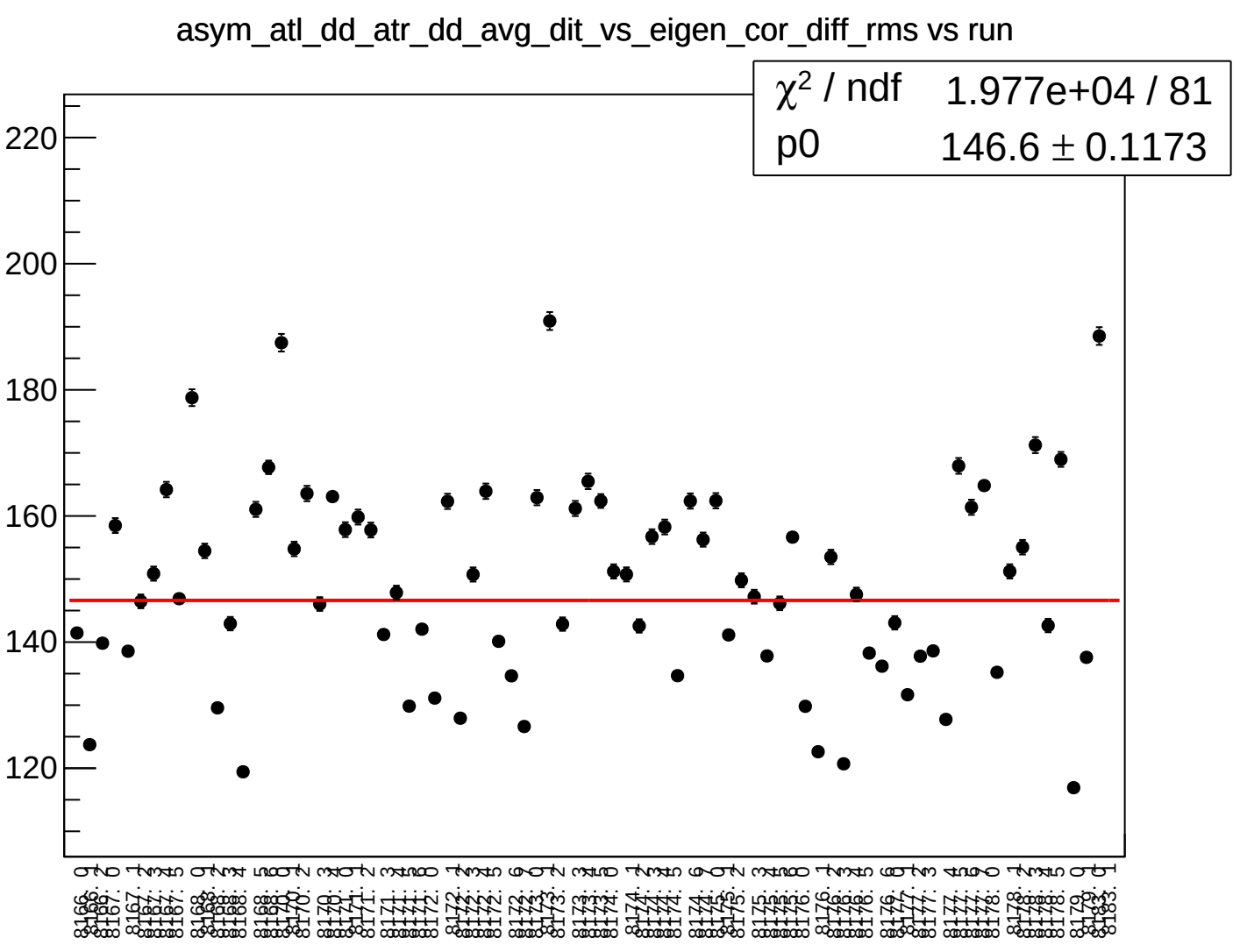

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.973e+05 / 81
p0 2.107e−10 ± 2.544e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

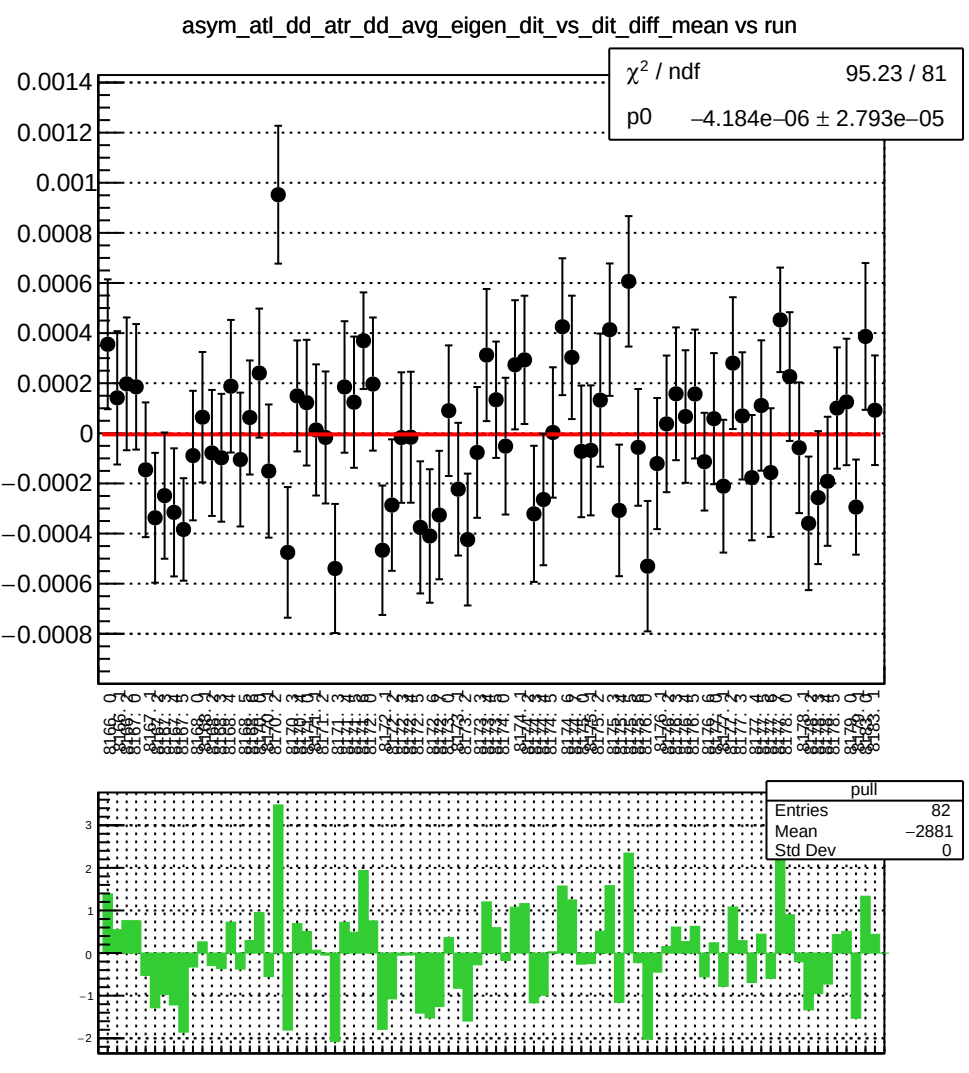

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.19
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

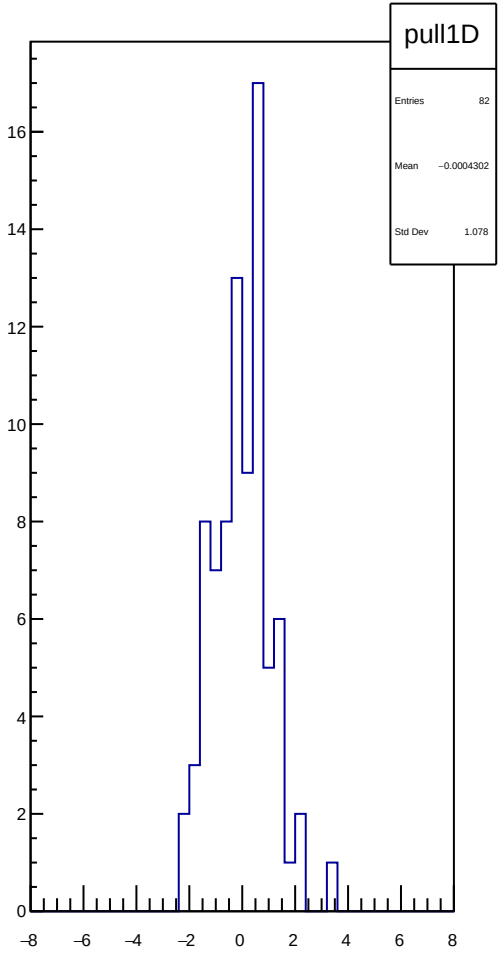

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

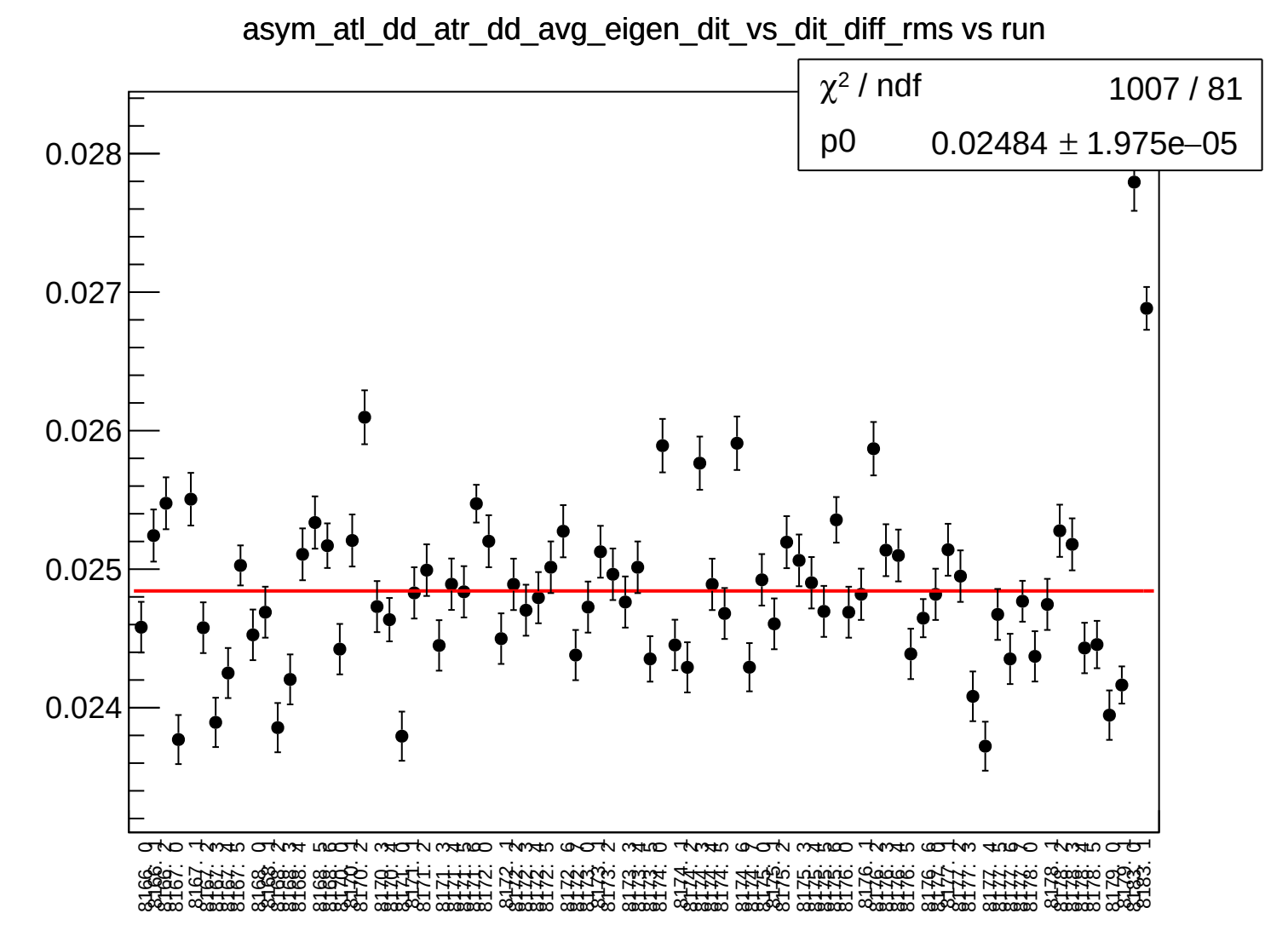

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.19
Std Dev 0

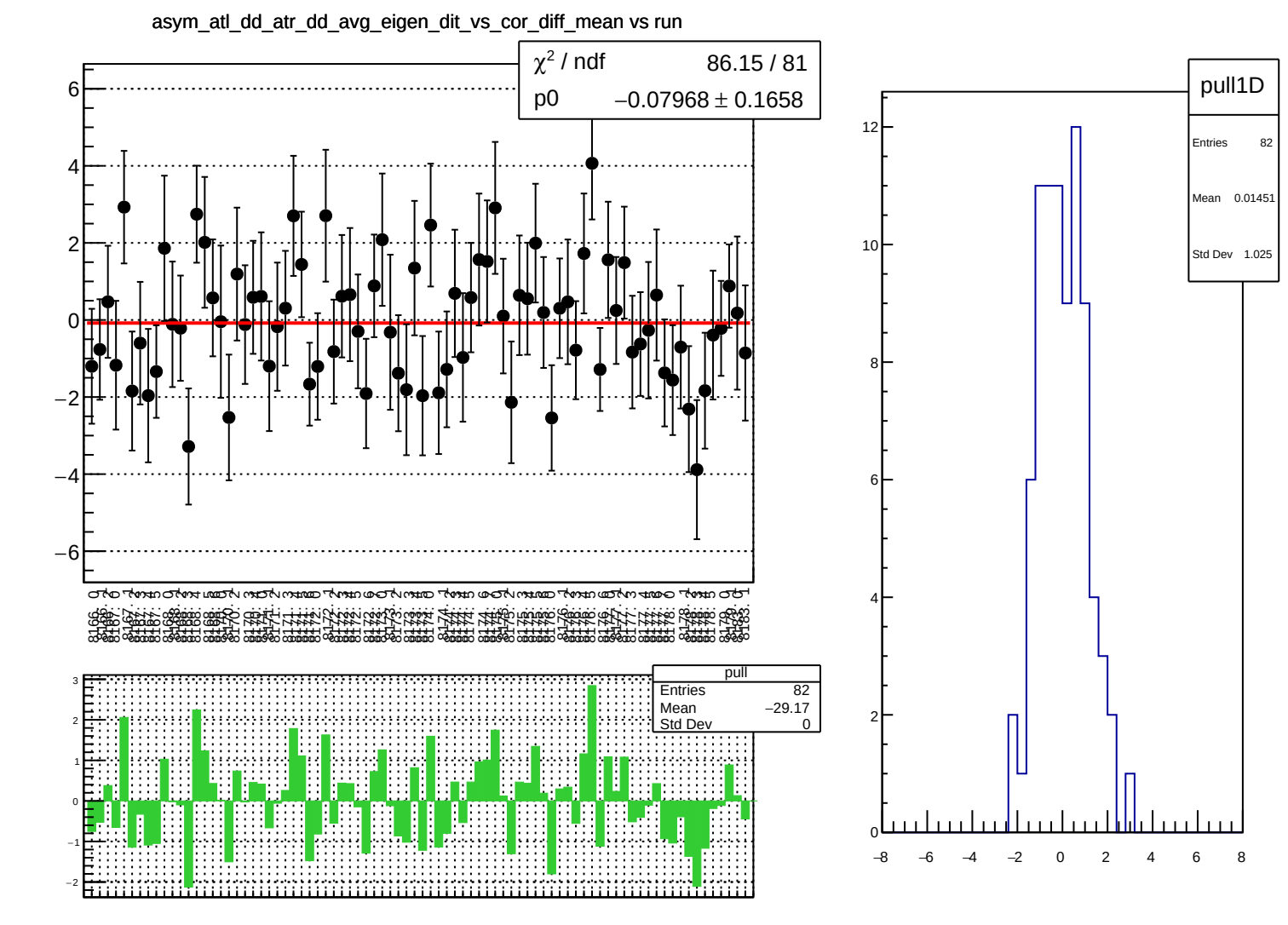

pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

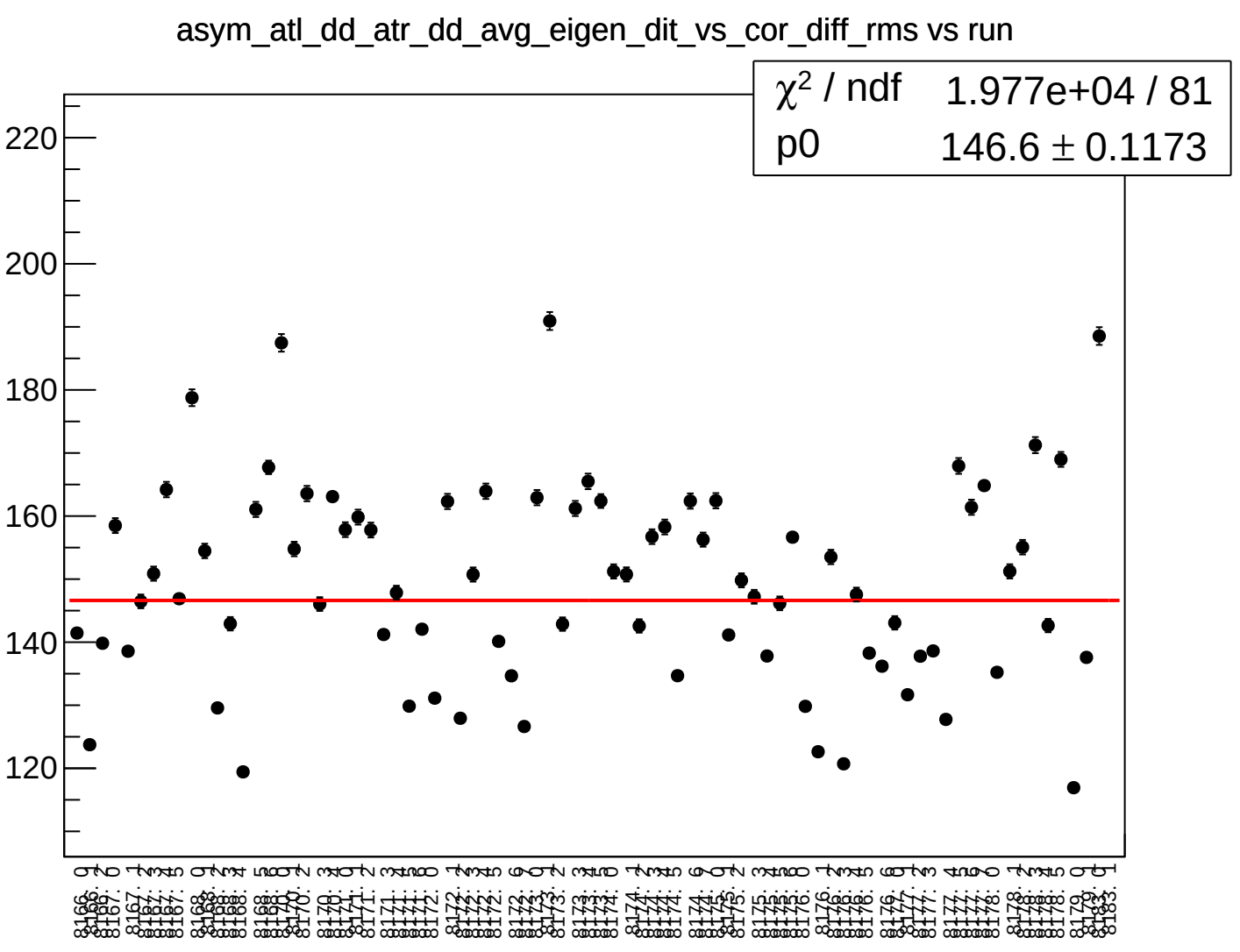

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

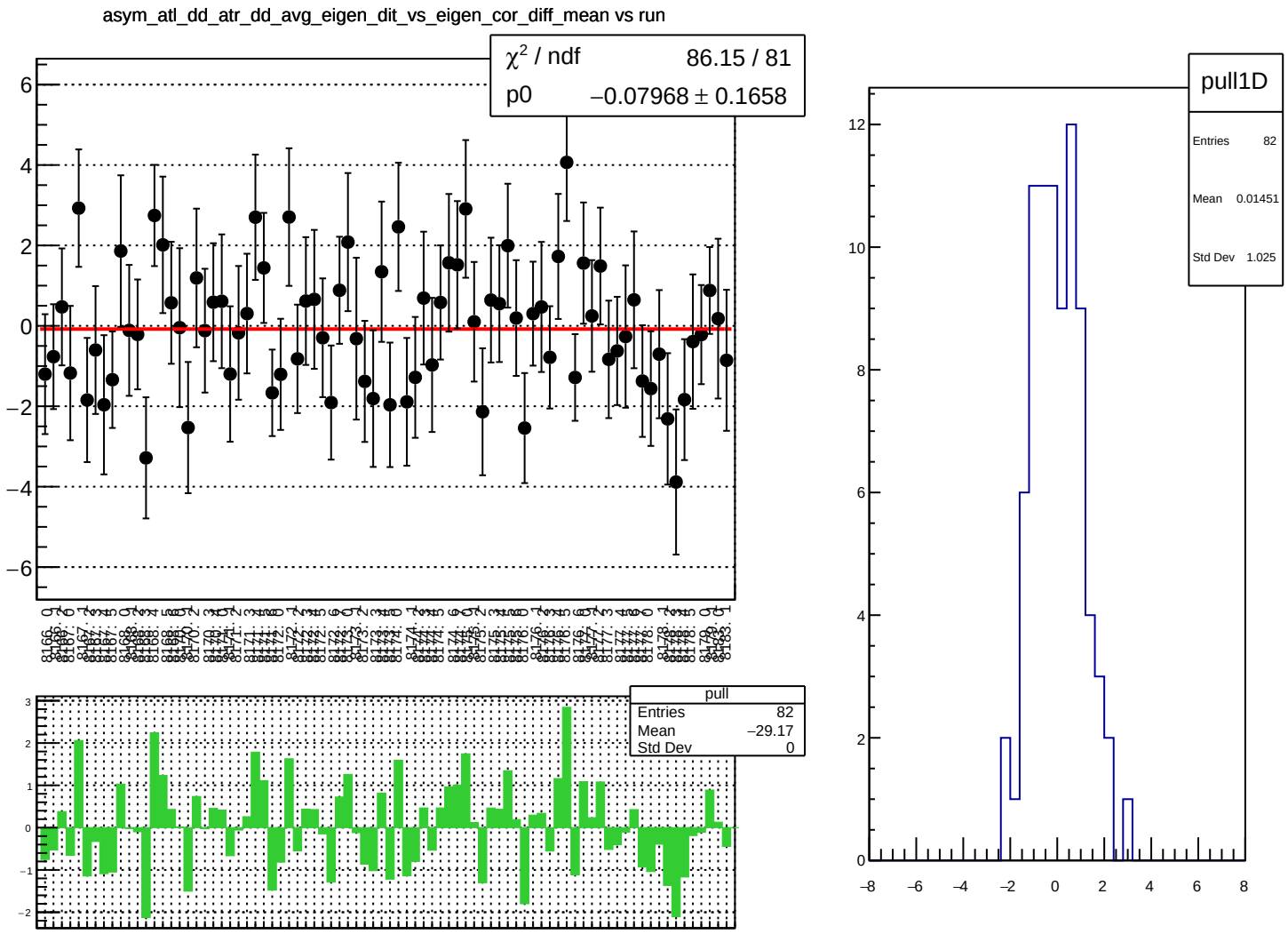

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.23 / 81
p0 −4.184e−06 ± 2.793e−05
pull
Entries 82
Mean −2881
Std Dev 0

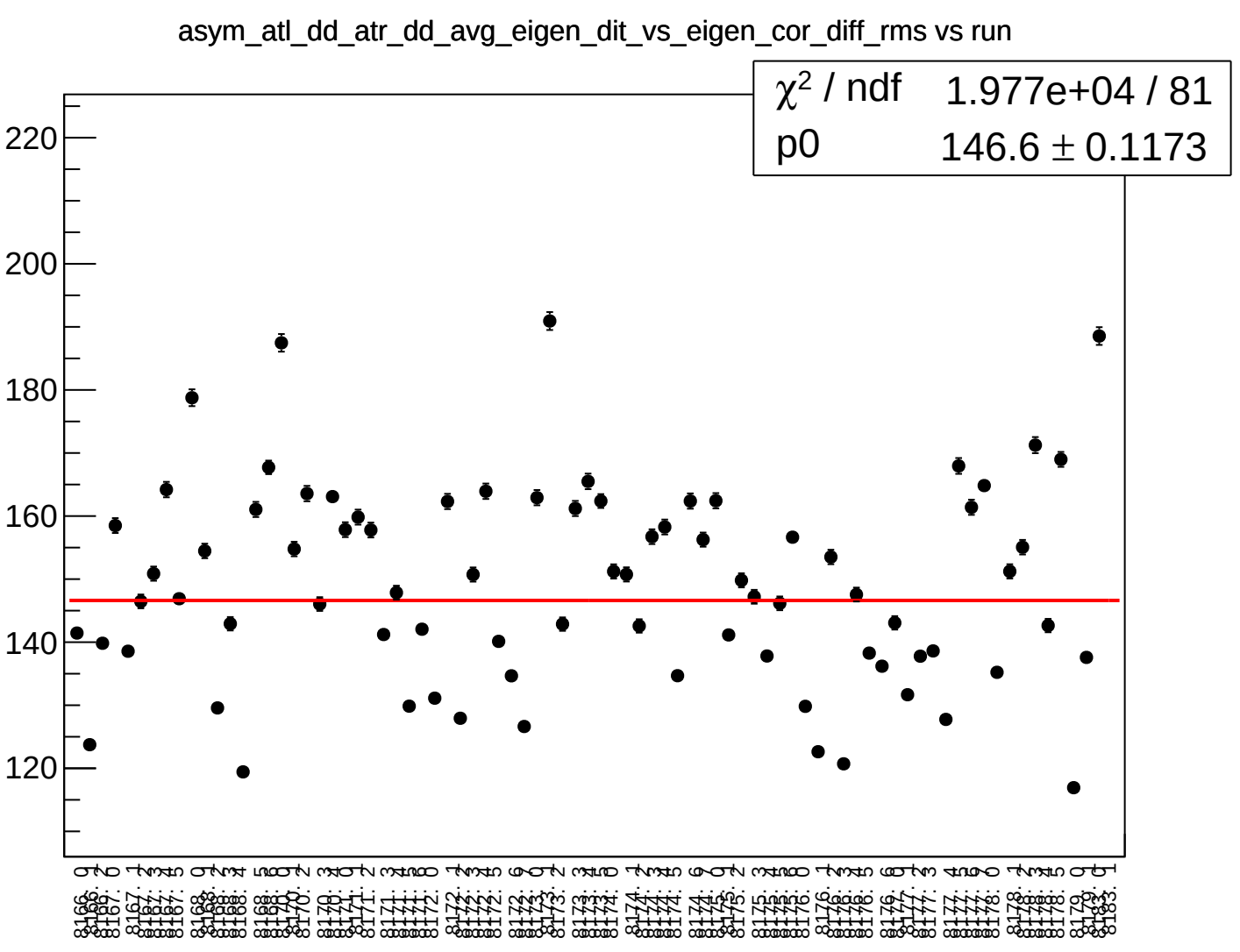

pull1D
Entries 82
Mean −0.0004302
Std Dev 1.078

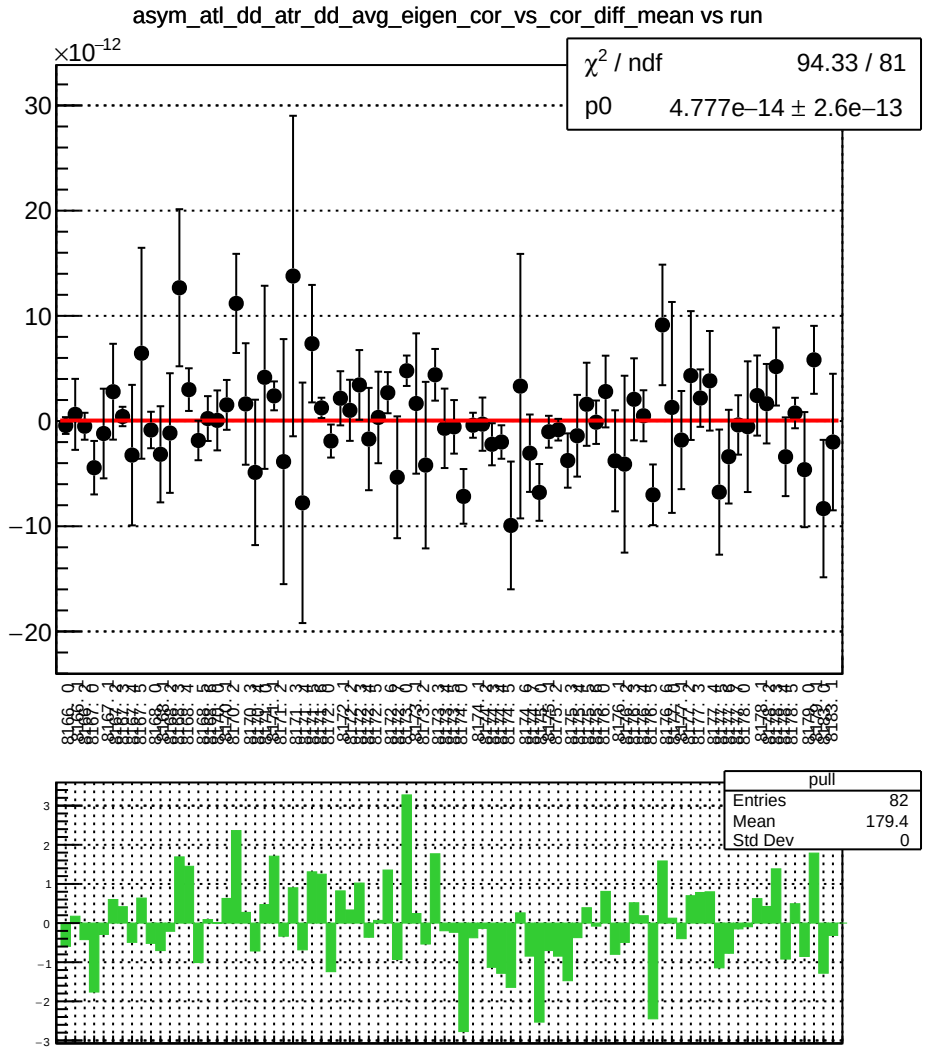

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1007 / 81
p0 0.02484 ± 1.975e−05
0.028
0.027
0.026
0.025
0.024

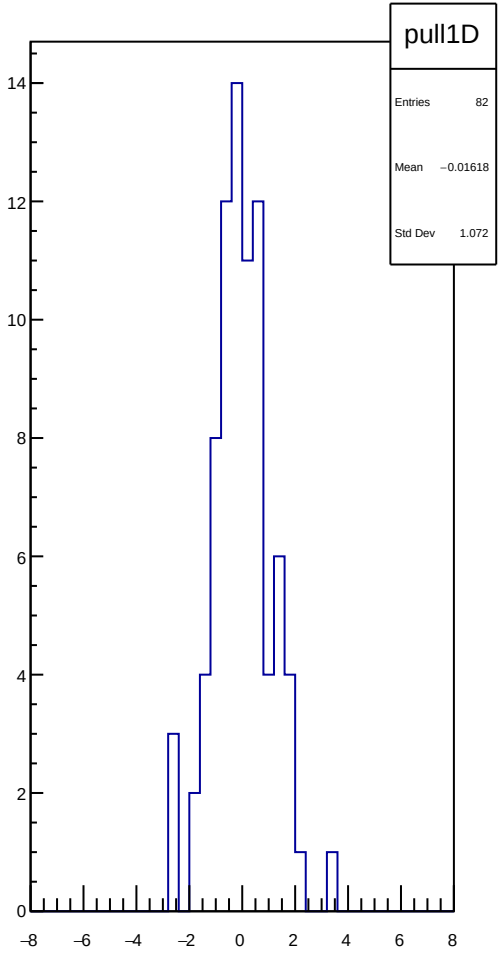

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.17
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

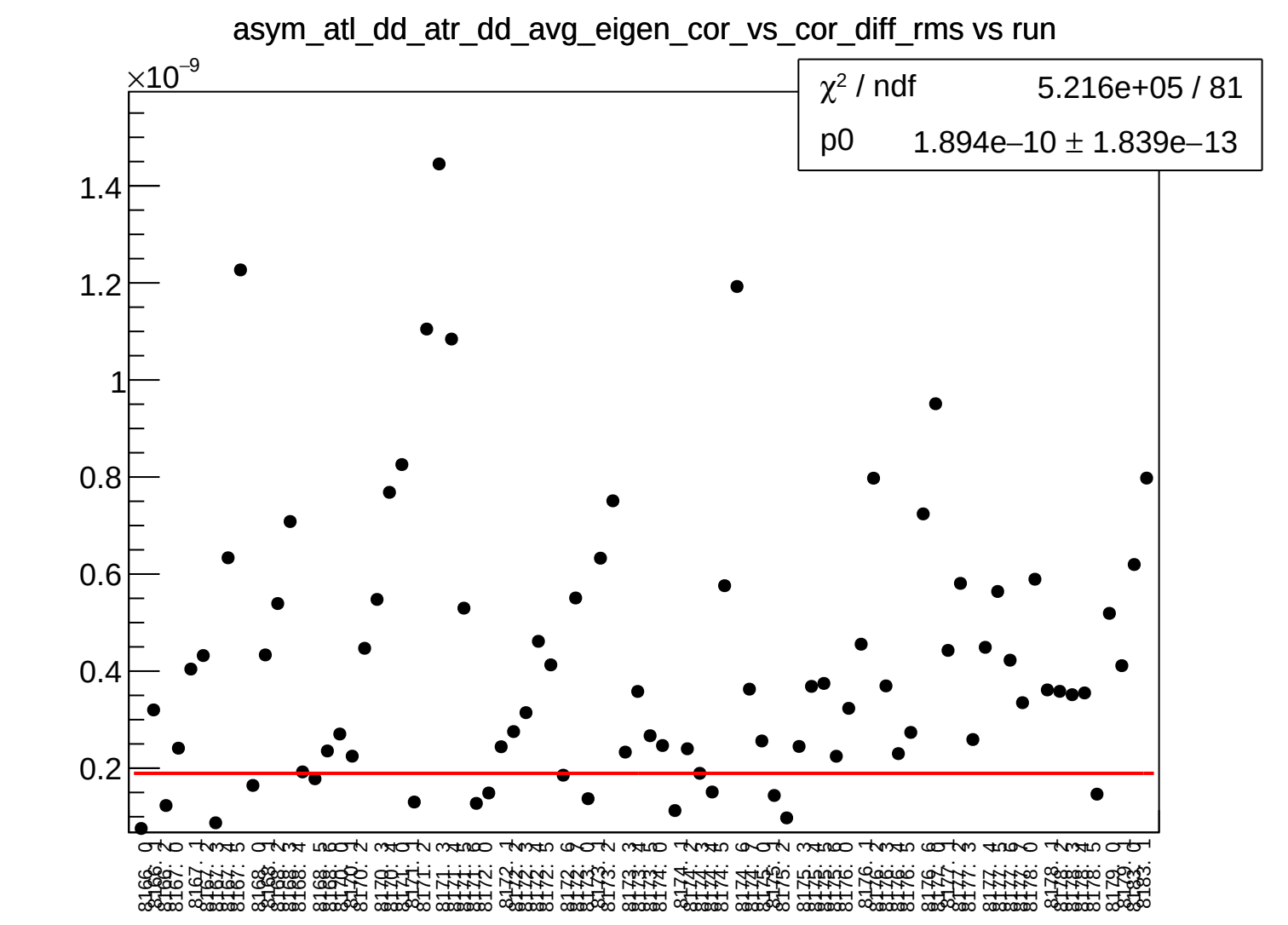

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

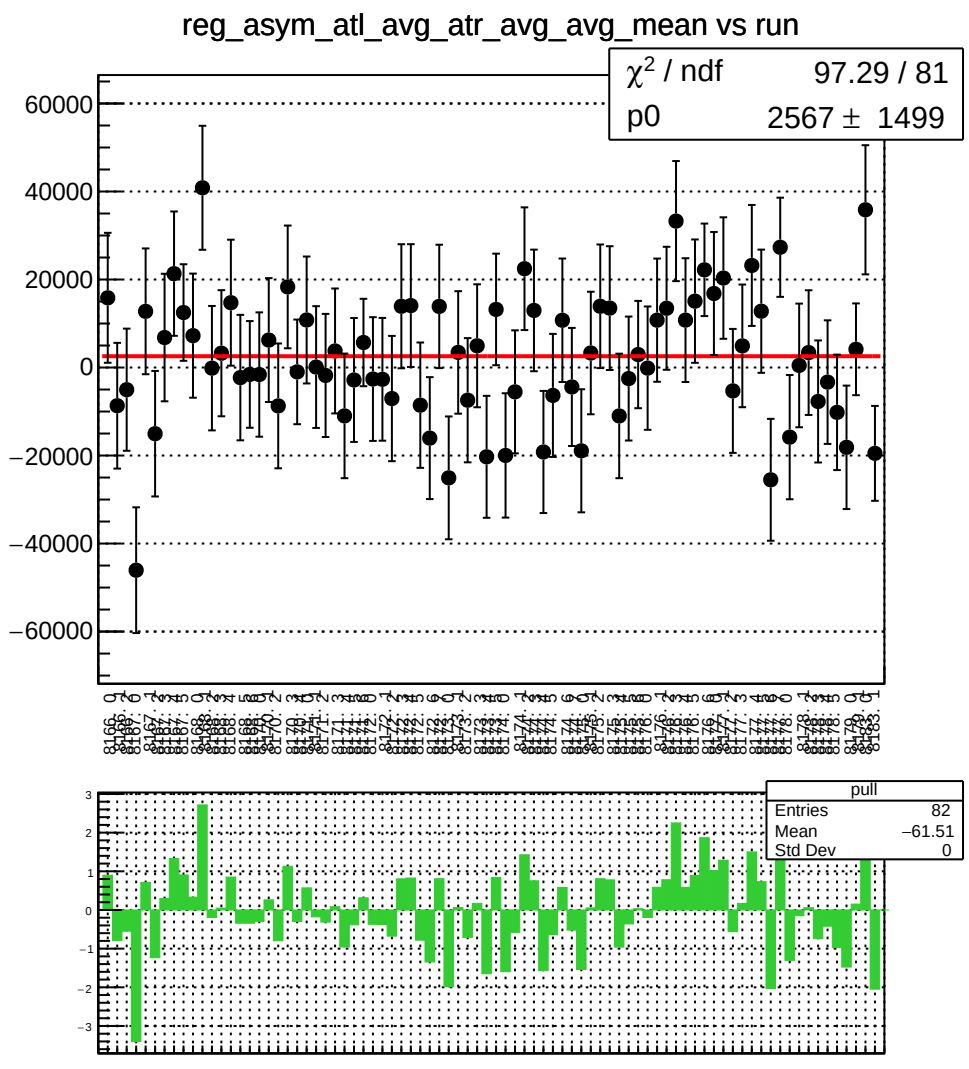

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.17
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

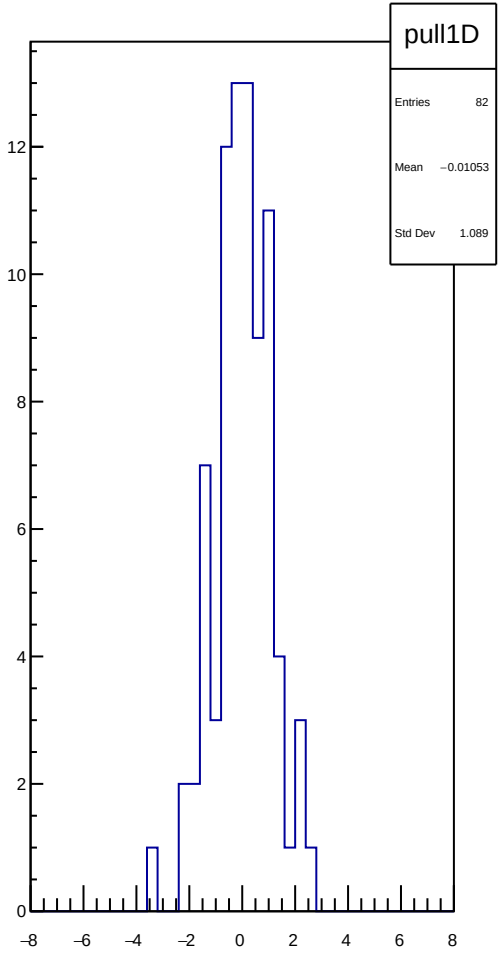

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

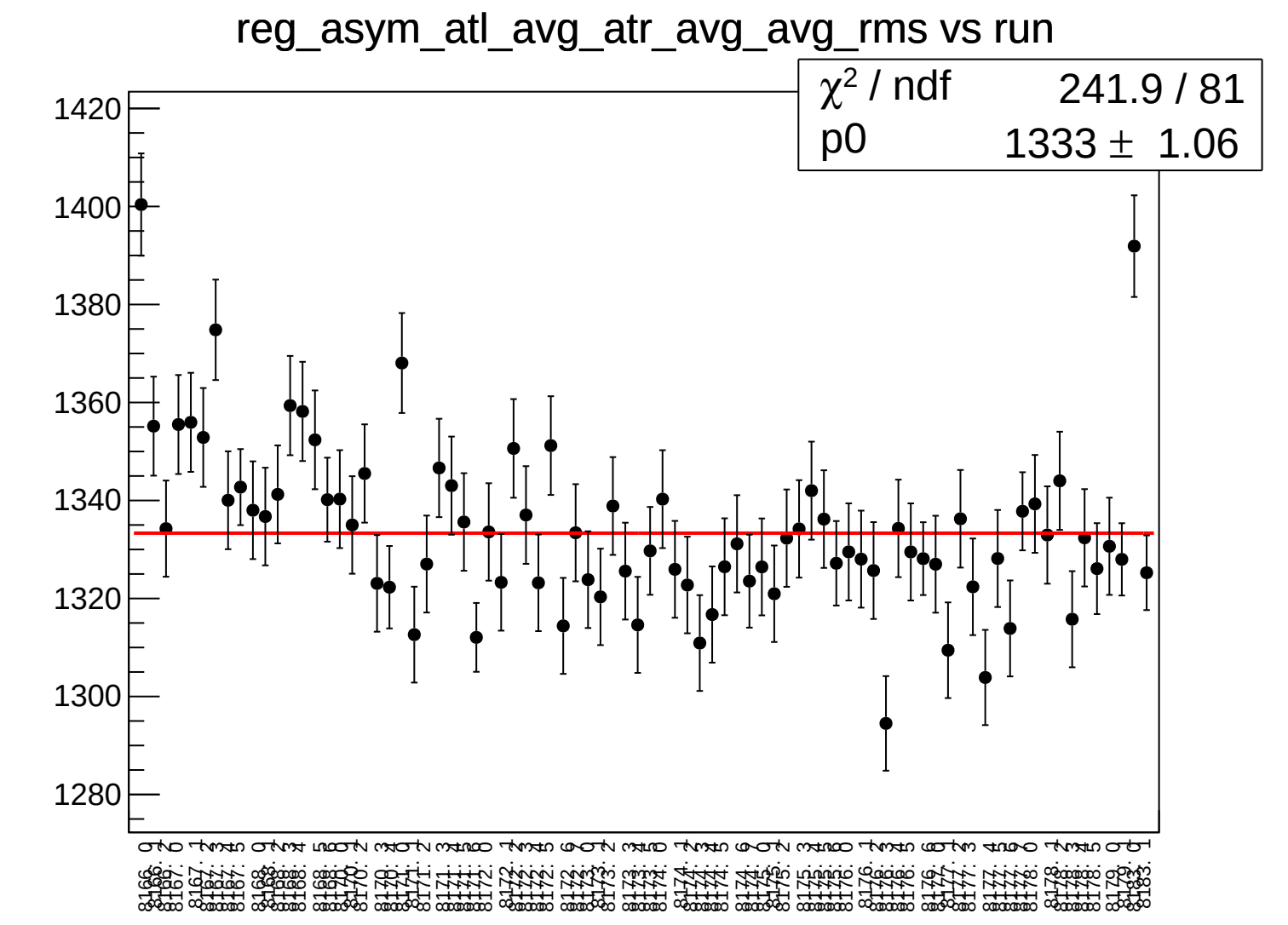

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.33 / 81
p0 4.777e−14 ± 2.6e−13
pull
Entries 82
Mean 179.4
Std Dev 0

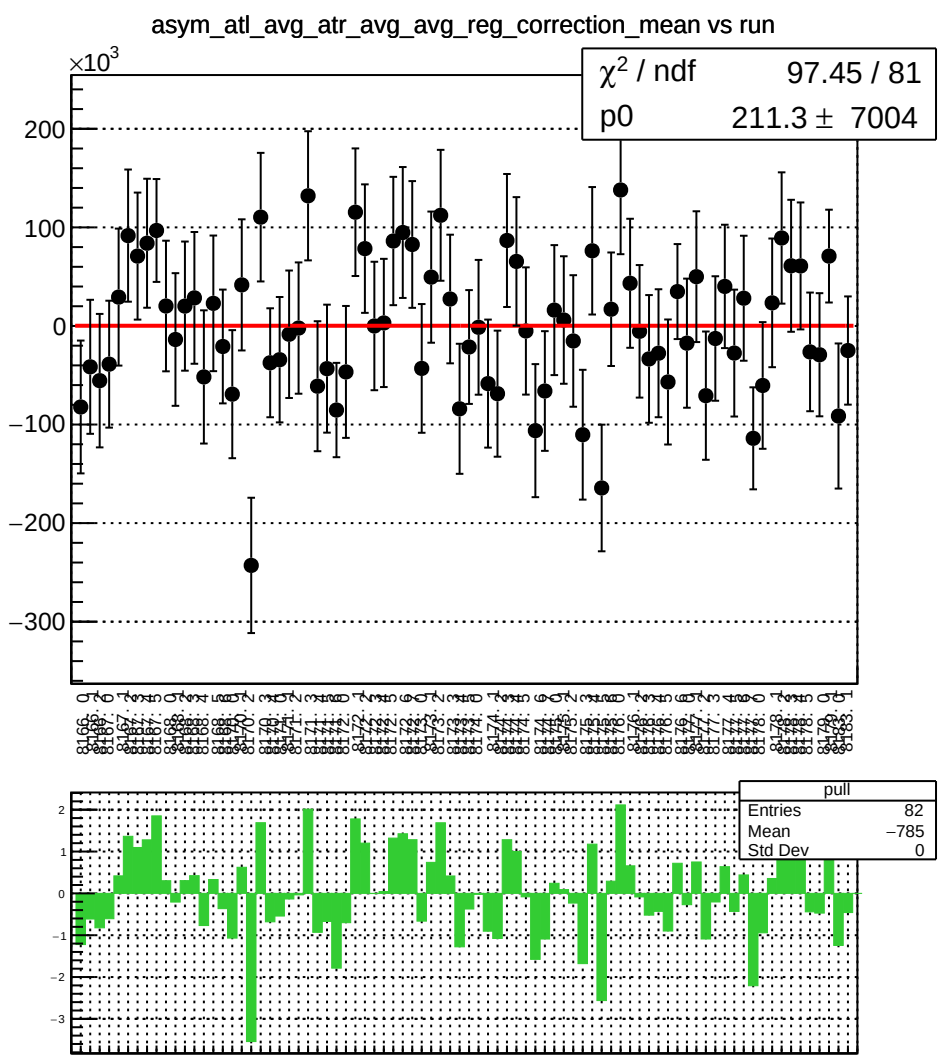

pull1D
Entries 82
Mean −0.01618
Std Dev 1.072

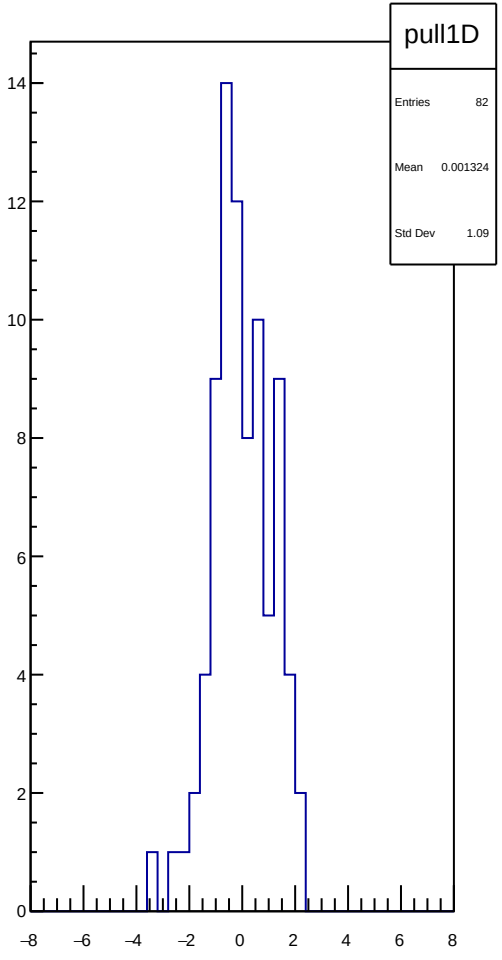

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.216e+05 / 81
p0 1.894e−10 ± 1.839e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

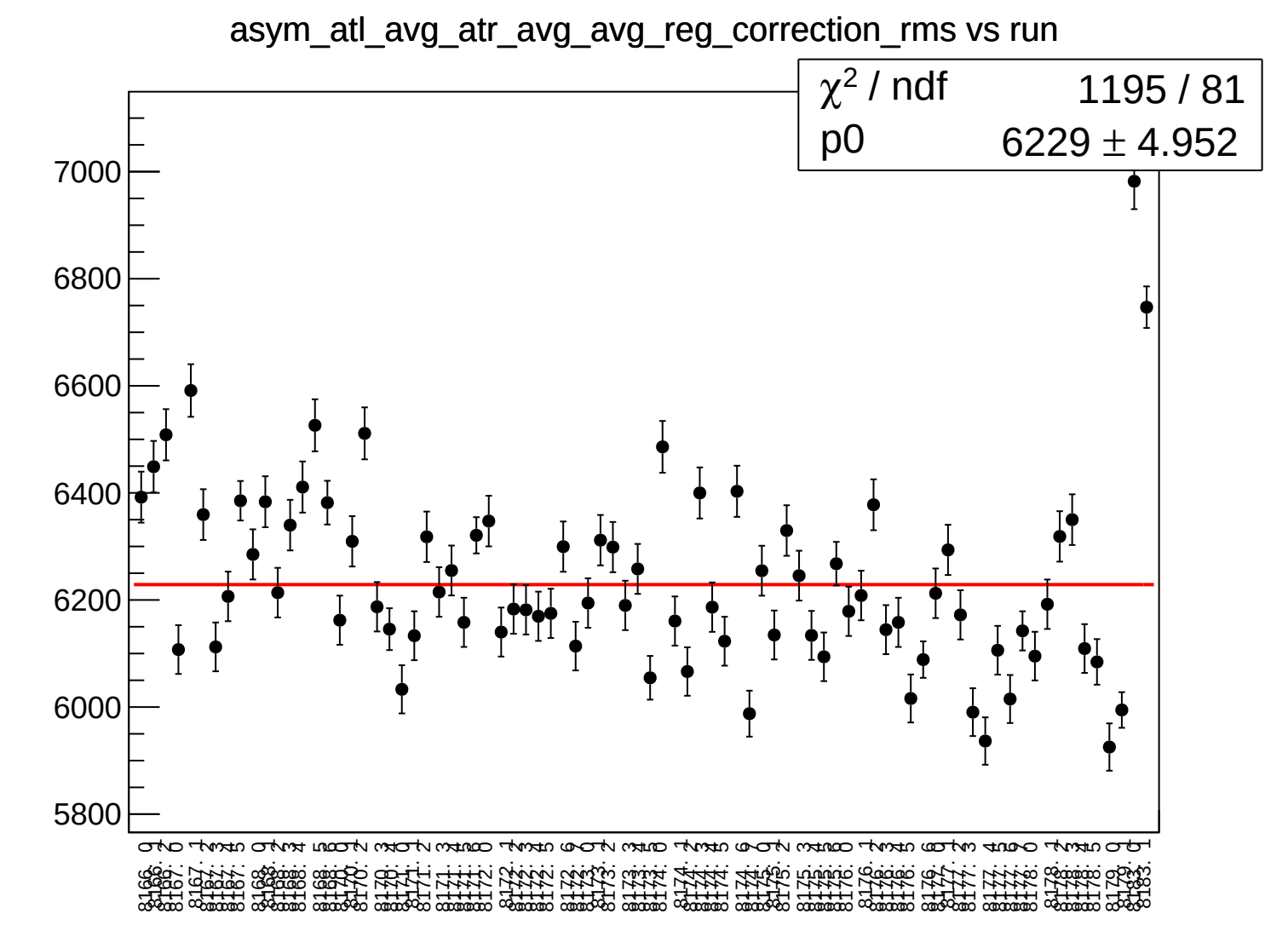

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 97.29 / 81
p0 2567 ± 1499
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −61.51
Std Dev 0
3
2
1
0
−1
−2
−3

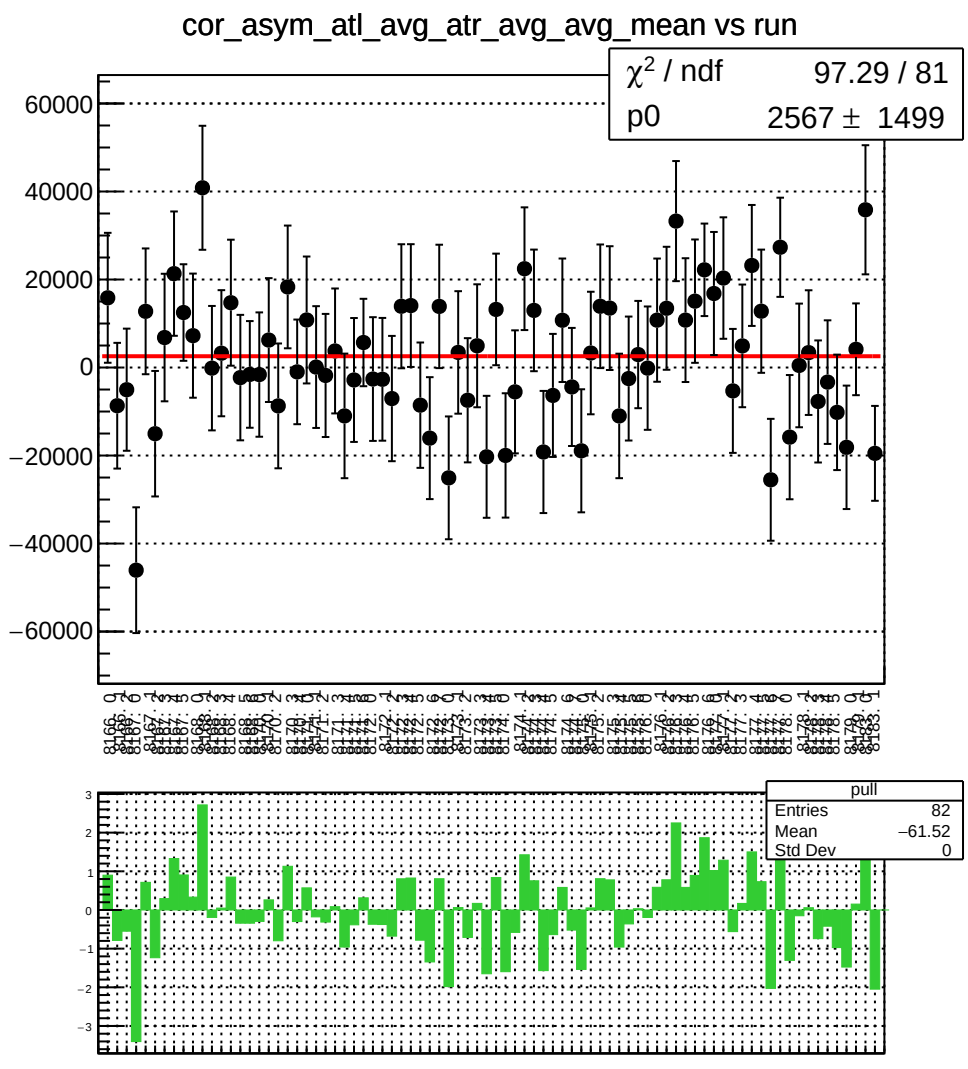

pull1D
Entries 82
Mean −0.01053
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

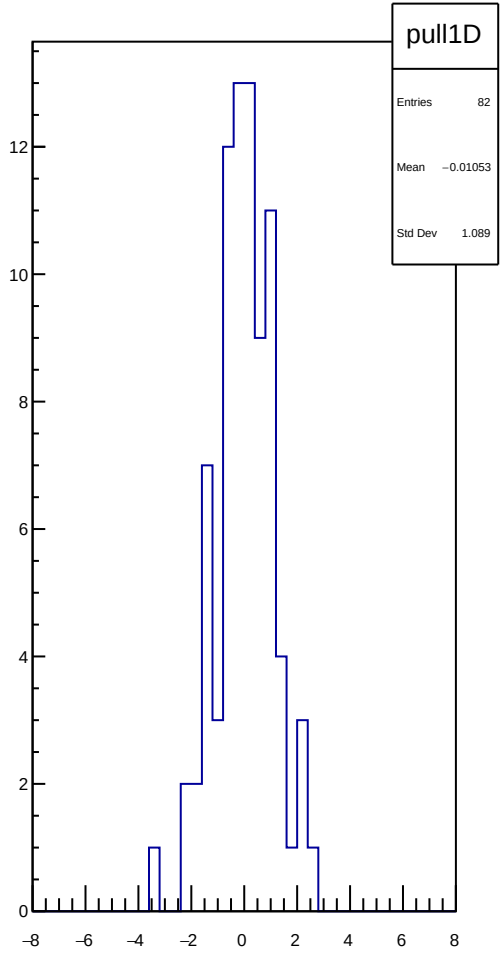

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 241.9 / 81
p0 1333 ± 1.06
1420
1400
1380
1360
1340
1320
1300
1280

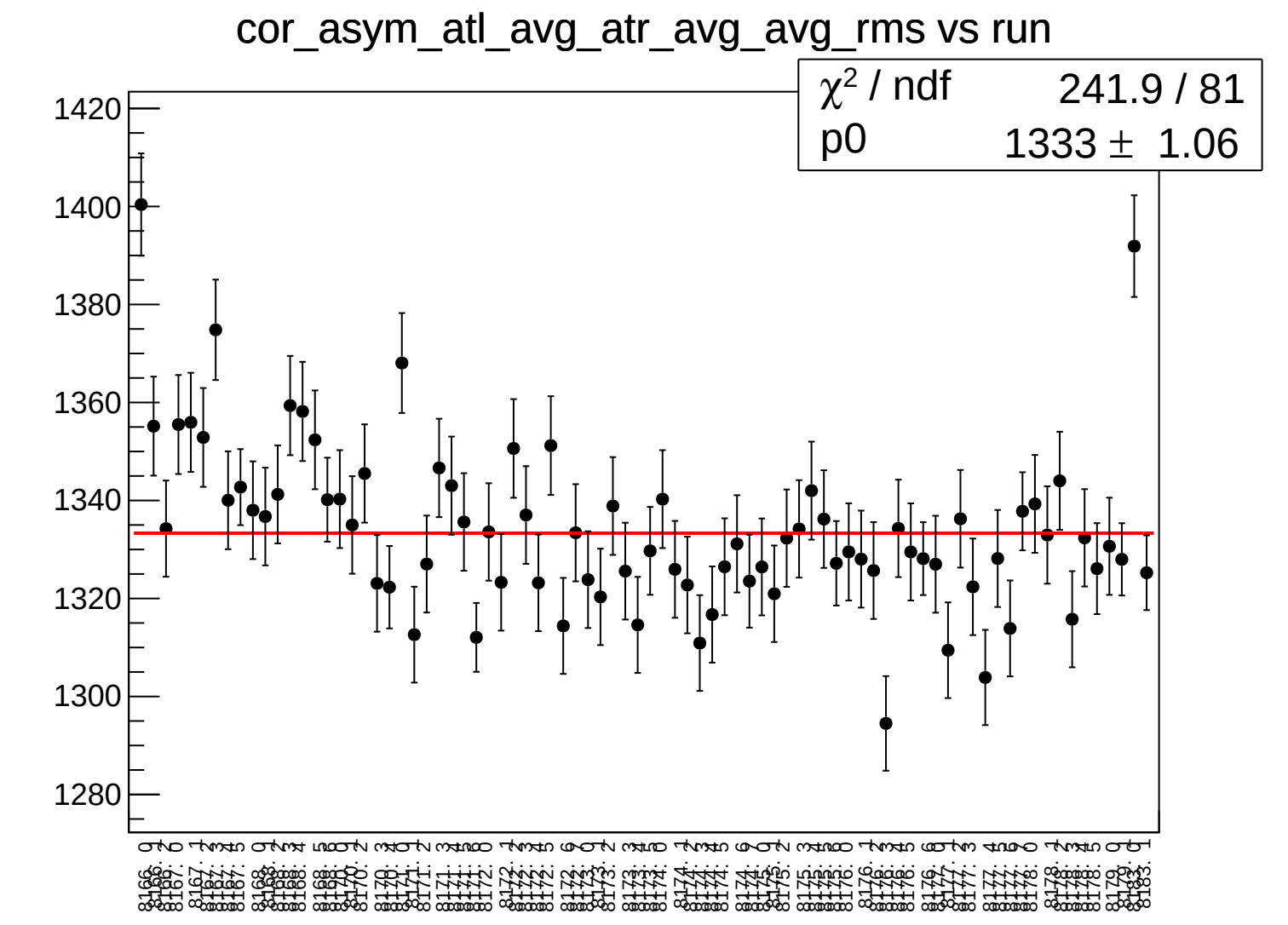

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.45 / 81
p0 211.3 ± 7004
200
100
0
−100
−200
−300
pull
Entries 82
Mean −785
Std Dev 0
2
1
0
−1
−2
−3

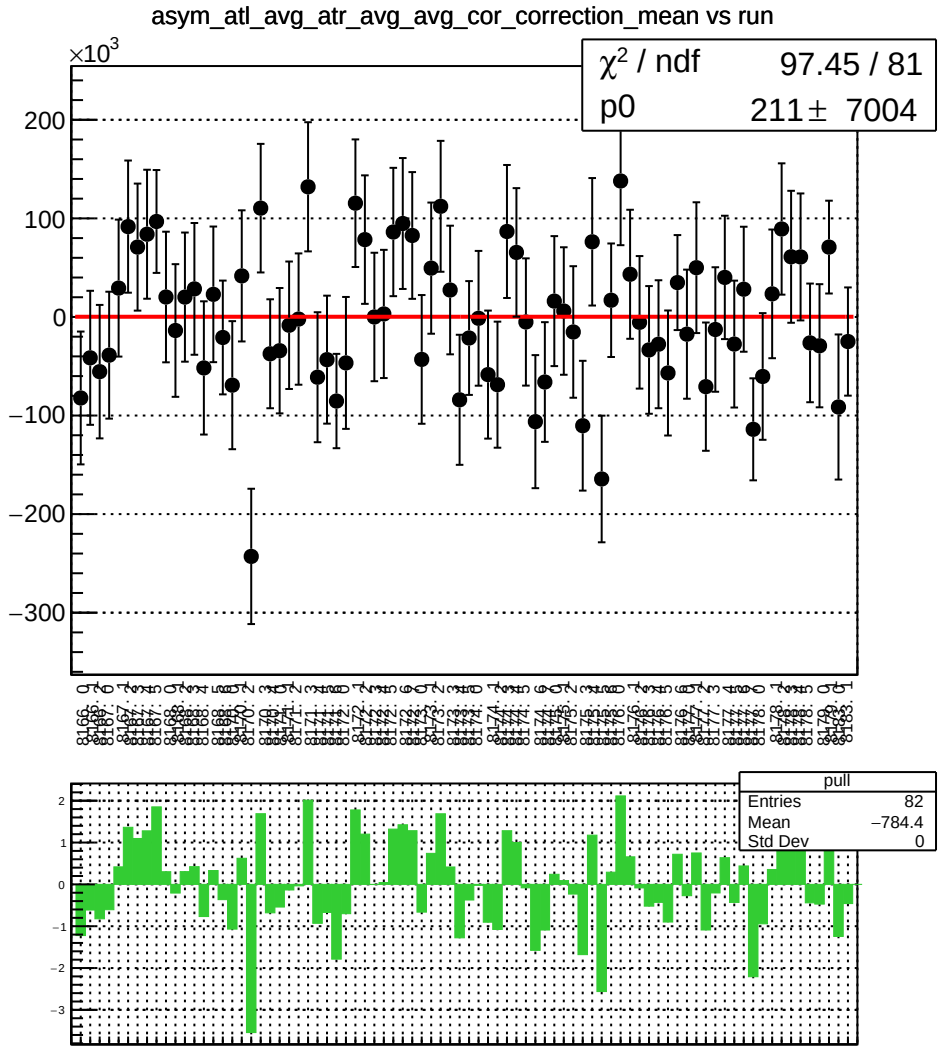

pull1D
Entries 82
Mean 0.001324
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

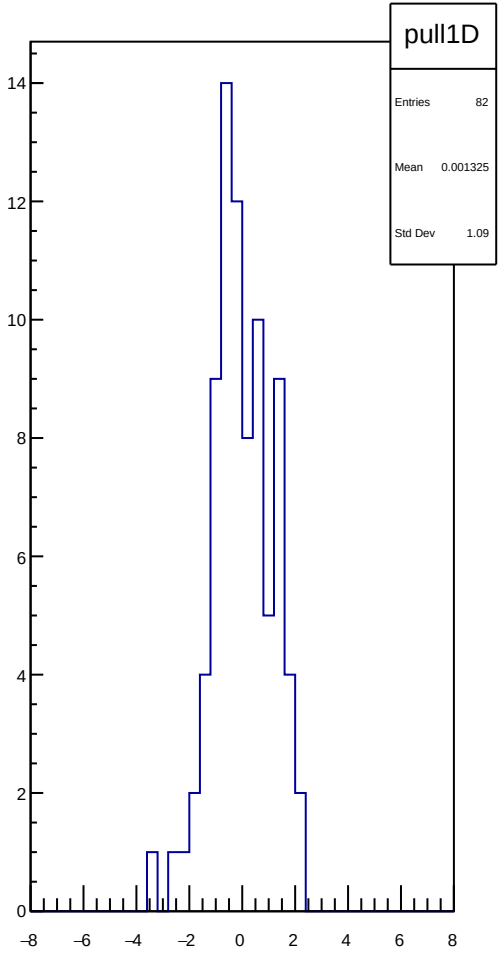

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1195 / 81
p0 6229 ± 4.952
7000
6800
6600
6400
6200
6000
5800

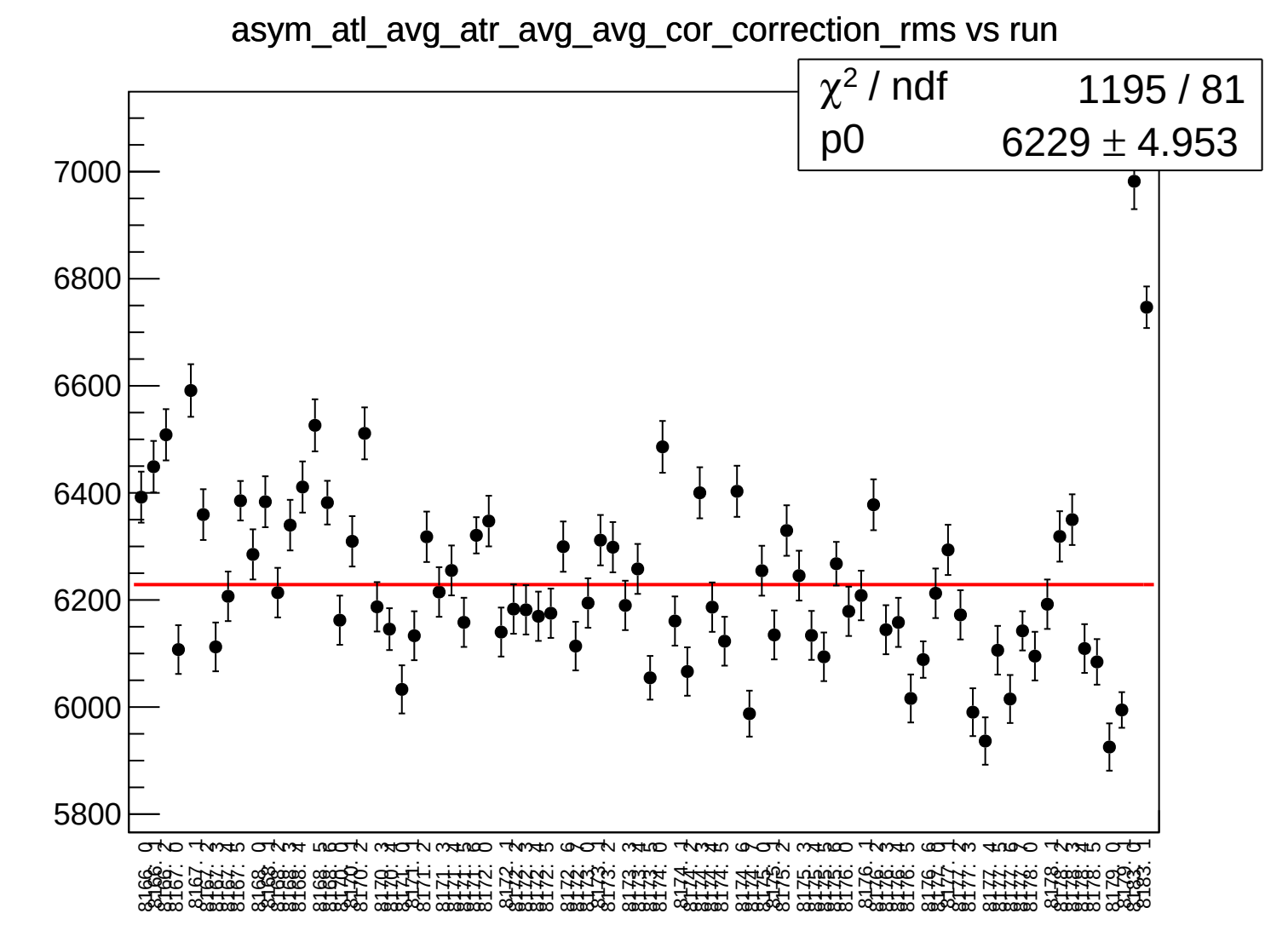

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 97.29 / 81
p0 2567 ± 1499
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −61.52
Std Dev 0
3
2
1
0
−1
−2
−3

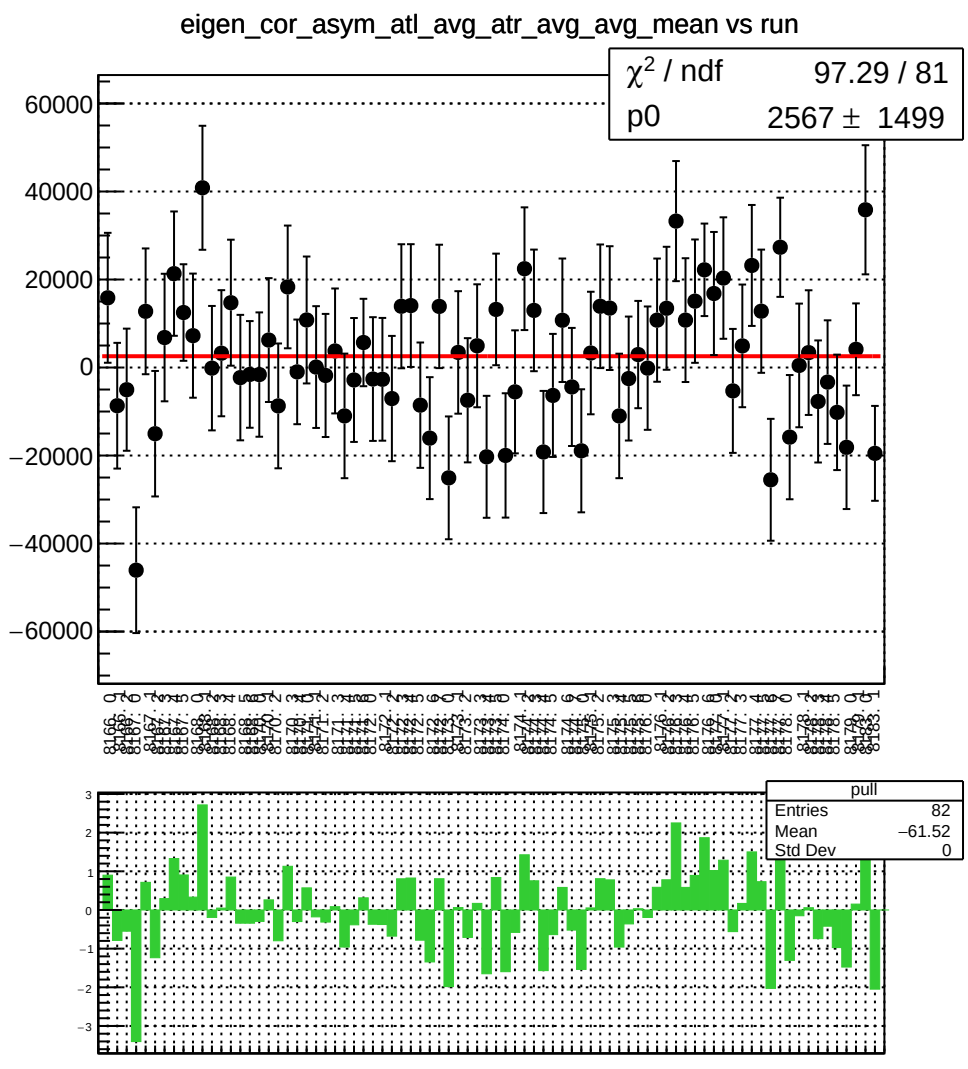

pull1D
Entries 82
Mean −0.01053
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

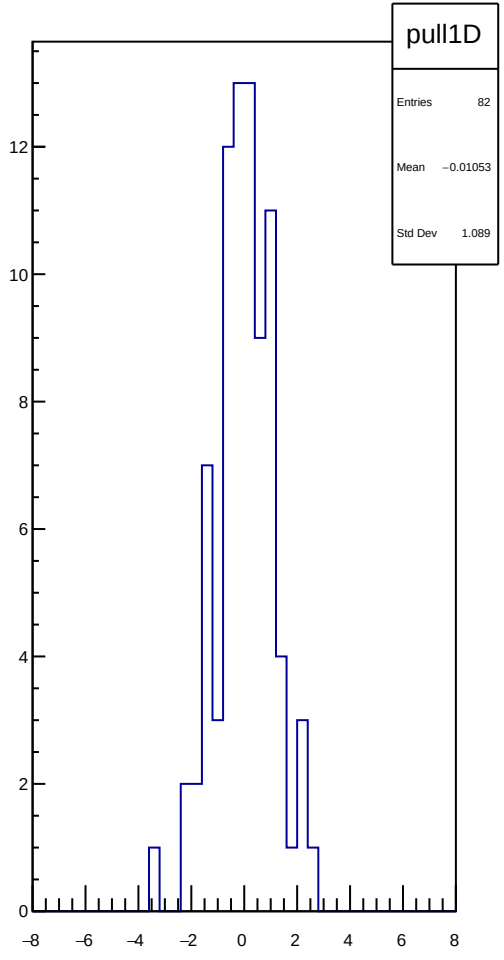

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 241.9 / 81
p0 1333 ± 1.06
1420
1400
1380
1360
1340
1320
1300
1280


asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 97.45 / 81
p0 211 ± 7004
pull
Entries 82
Mean −784.4
Std Dev 0


pull1D
Entries 82
Mean 0.001325
Std Dev 1.09


asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1195 / 81
p0 6229 ± 4.953
7000
6800
6600
6400
6200
6000
5800


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 97.29 / 81
p0 2567 ± 1499
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −61.52
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 82
Mean −0.01053
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
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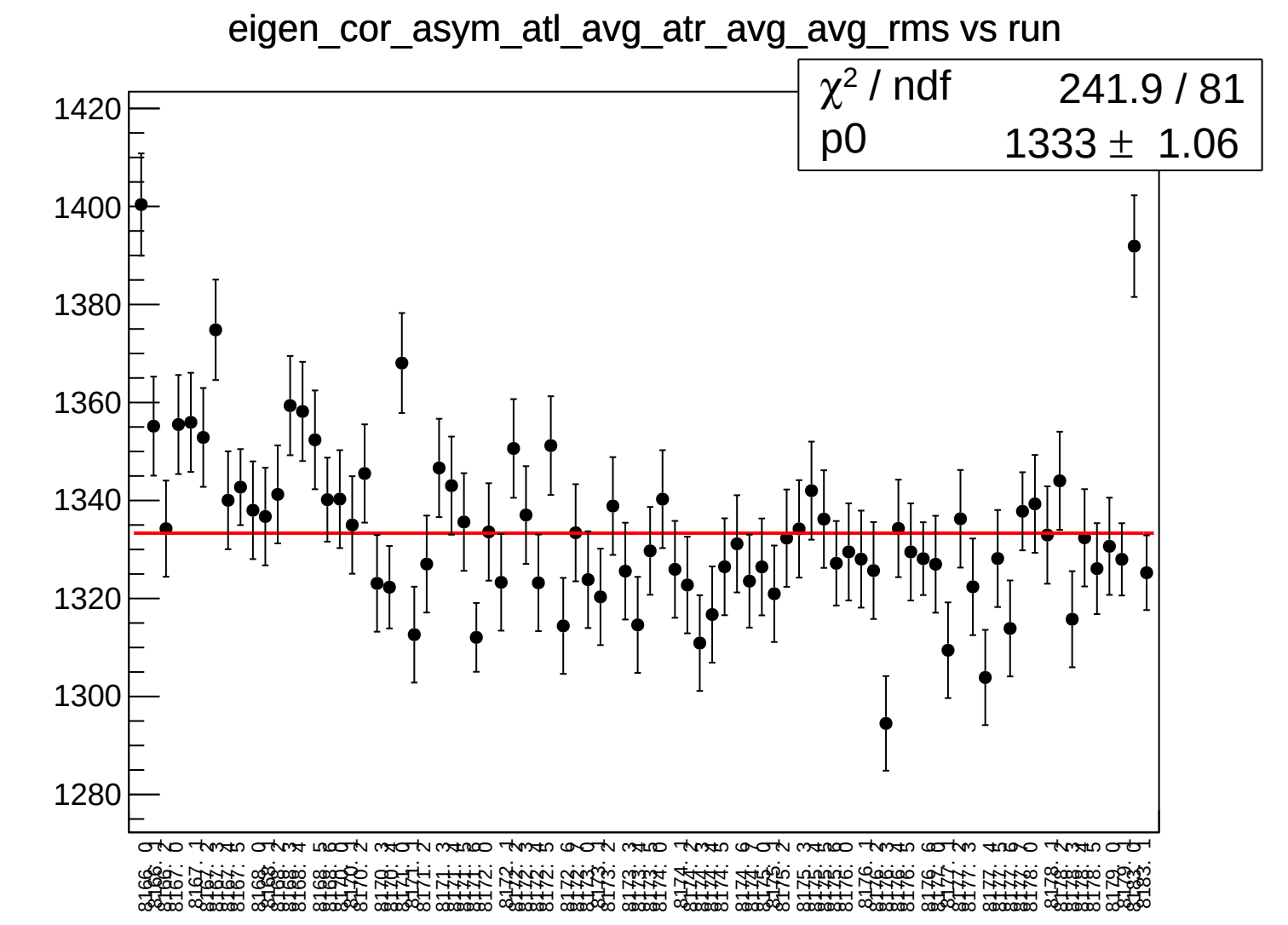
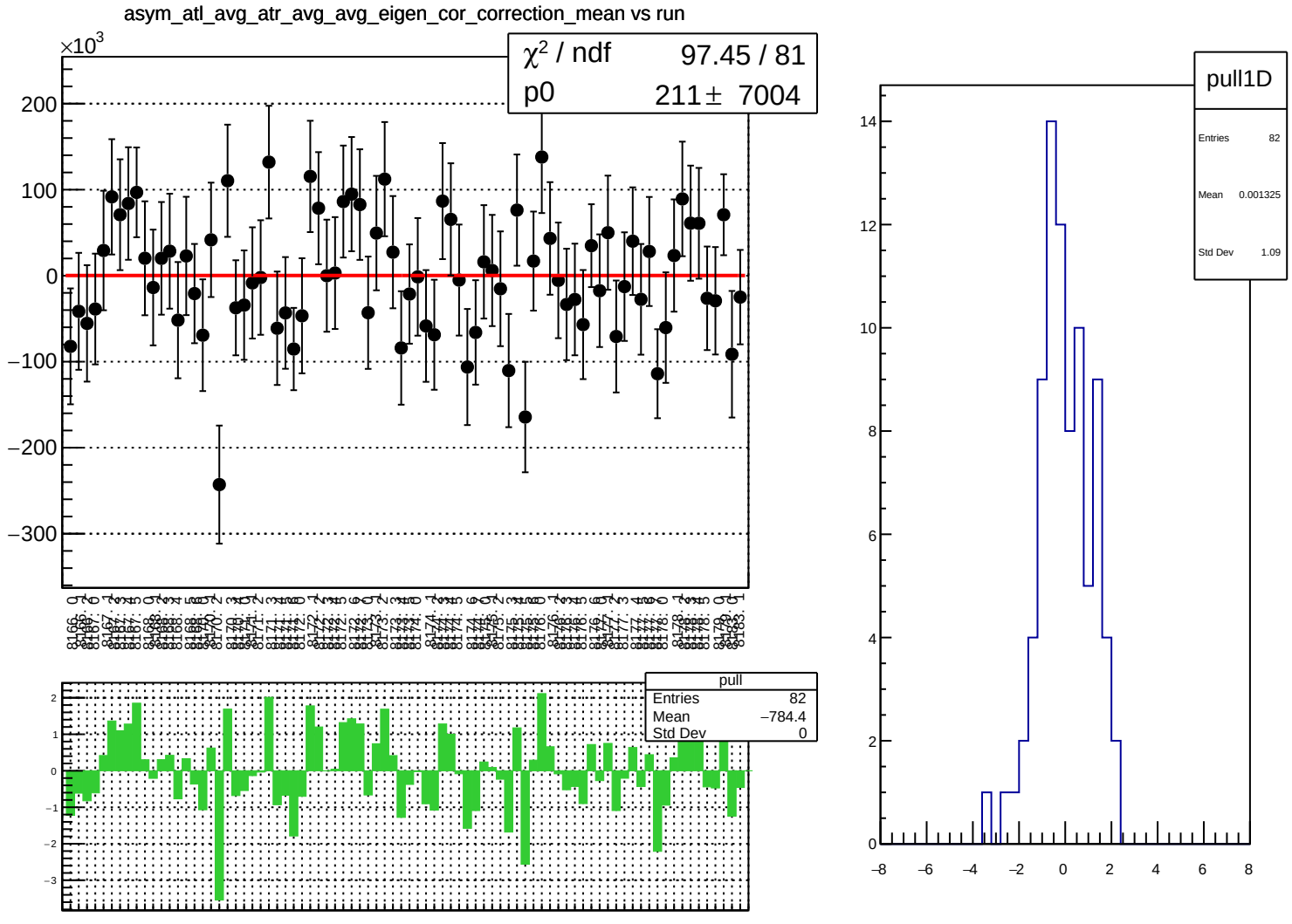
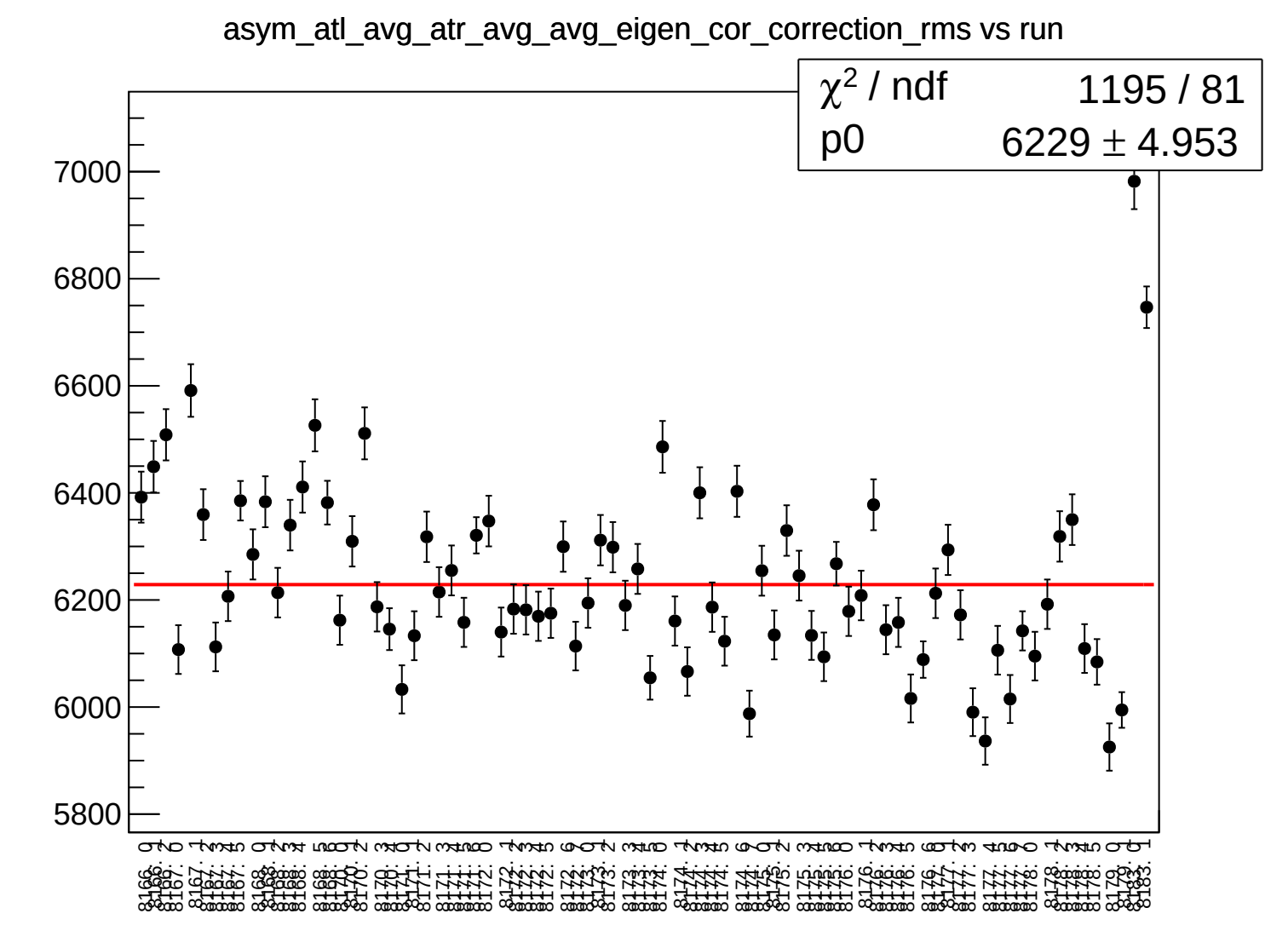
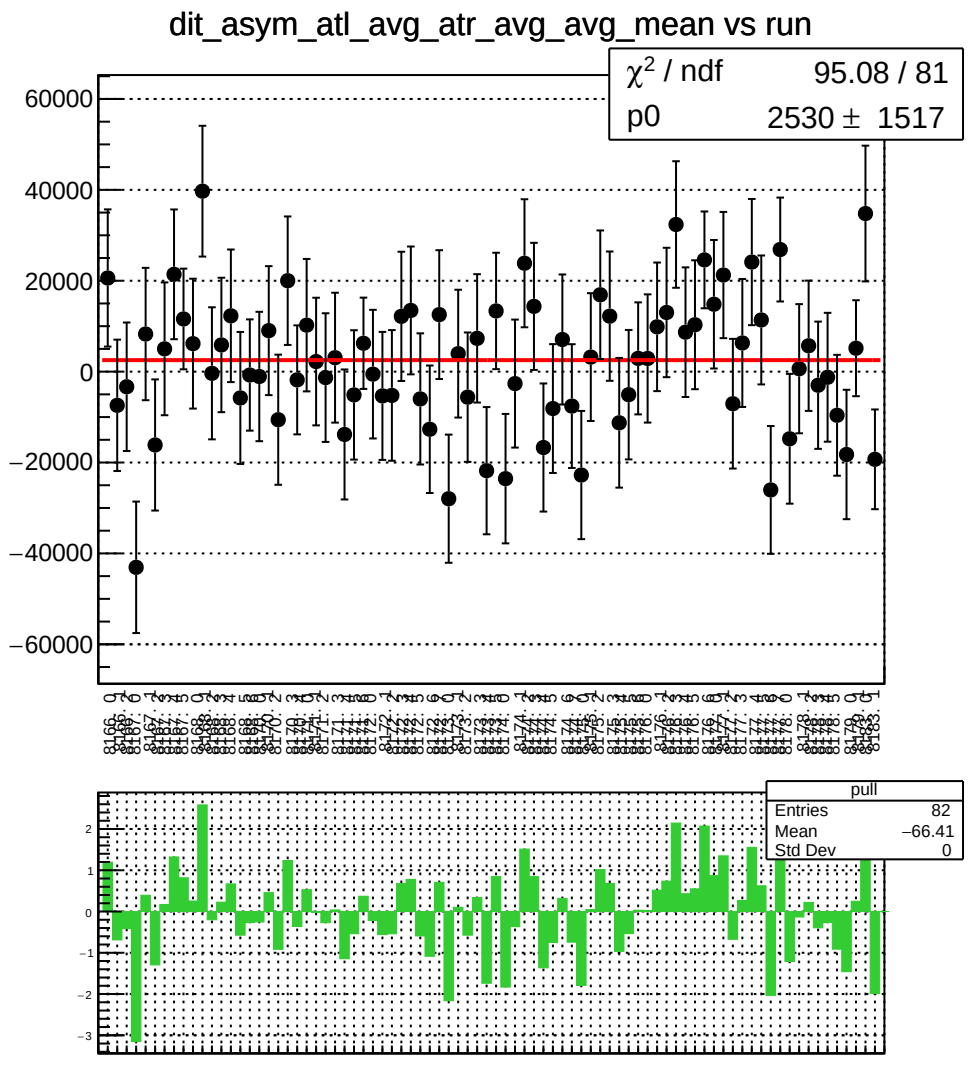
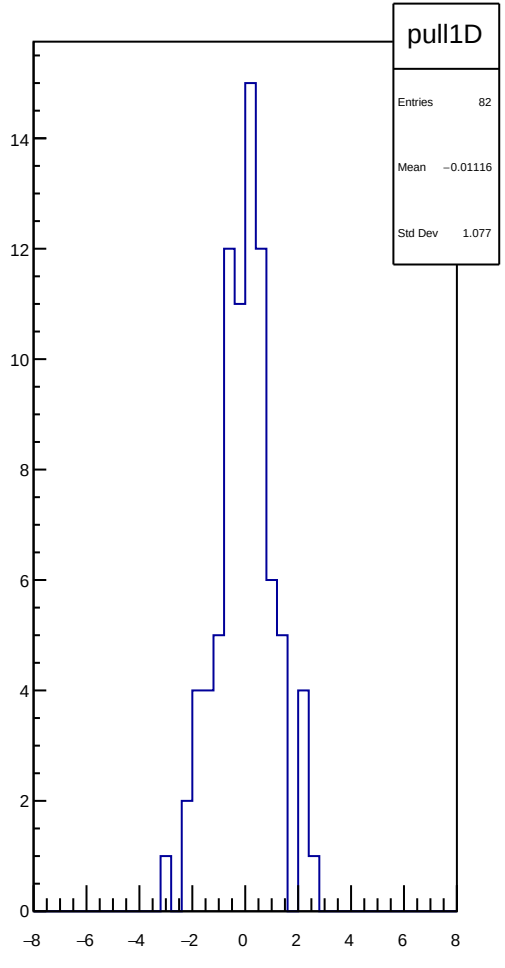
2
4
6
8

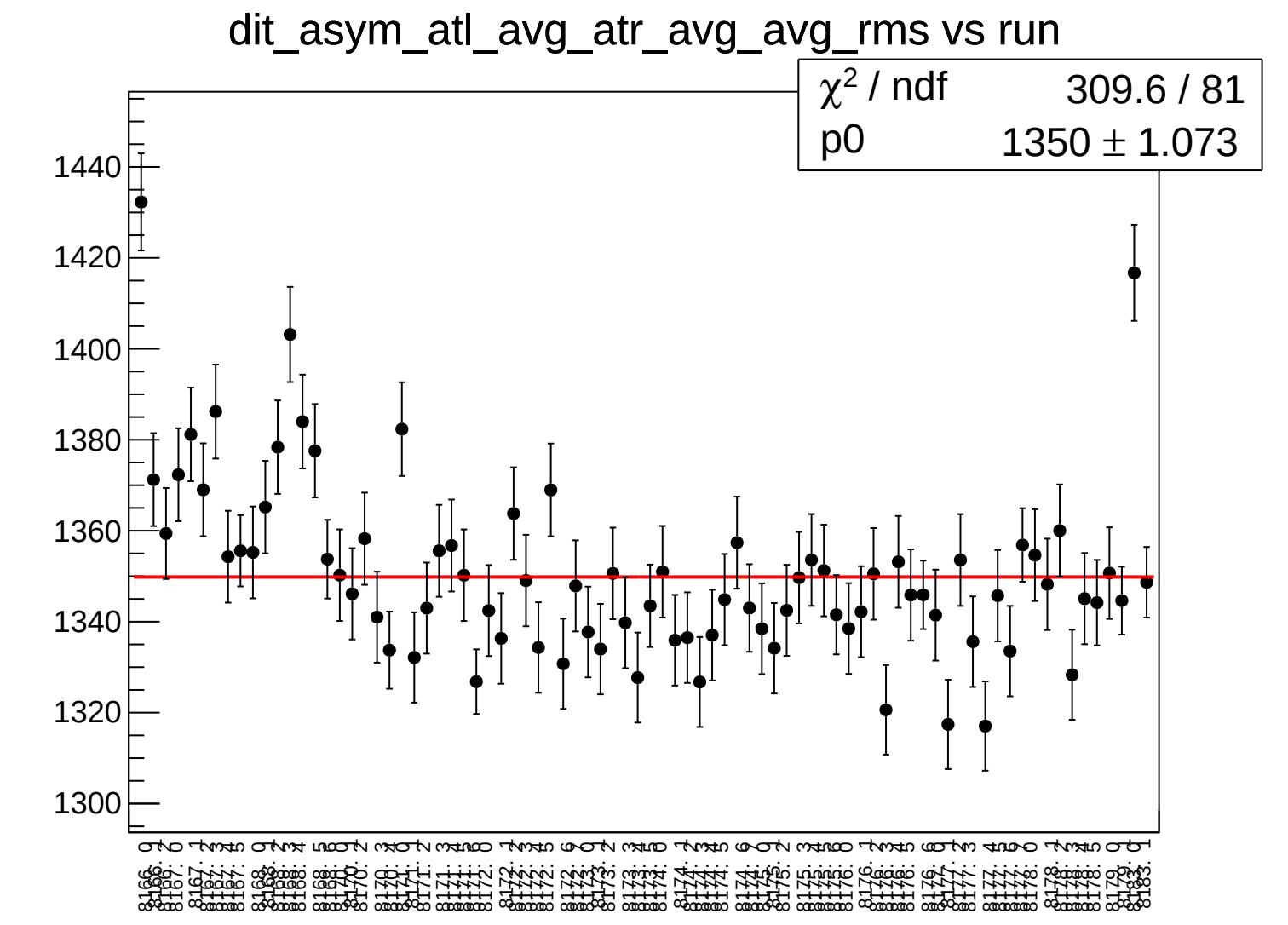

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 241.9 / 81
p0 1333 ± 1.06
1420
1400
1380
1360
1340
1320
1300
1280

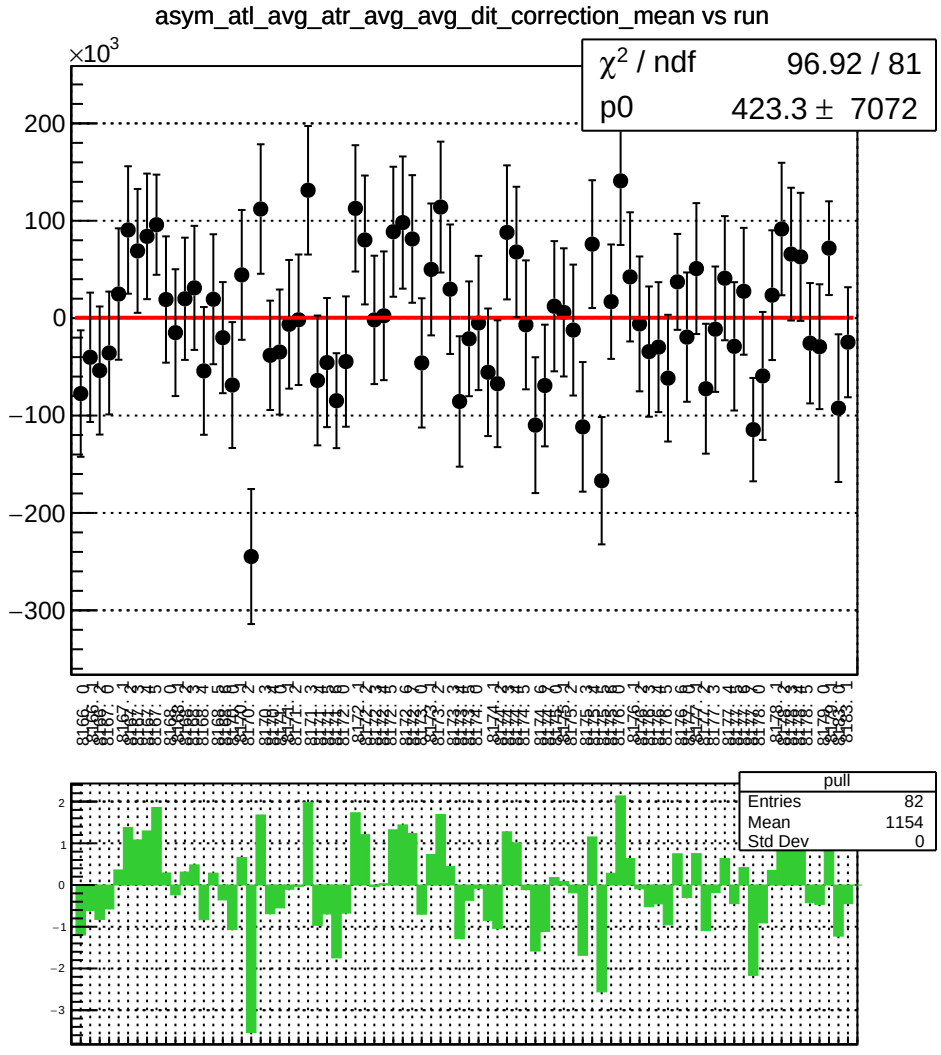

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.45 / 81
p0 211 ± 7004
200
100
0
−100
−200
−300
pull
Entries 82
Mean −784.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.001325
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

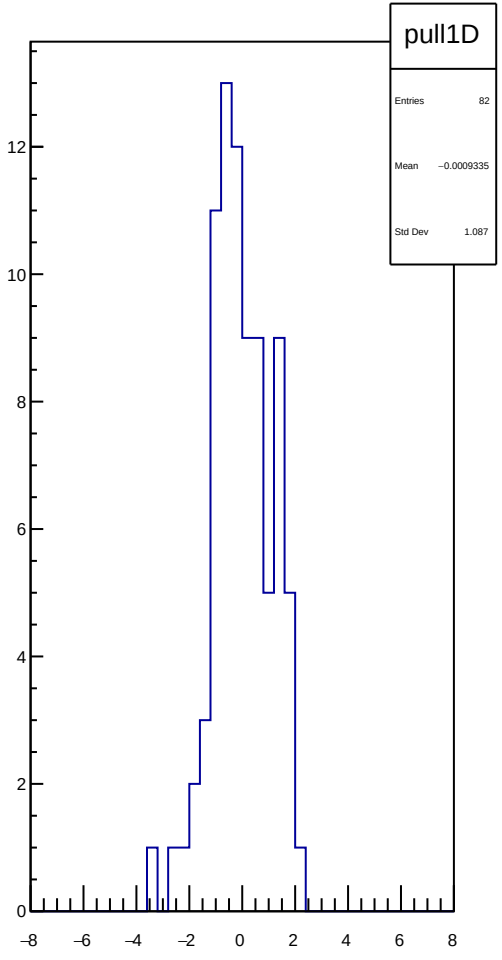

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1195 / 81
p0 6229 ± 4.953
7000
6800
6600
6400
6200
6000
5800

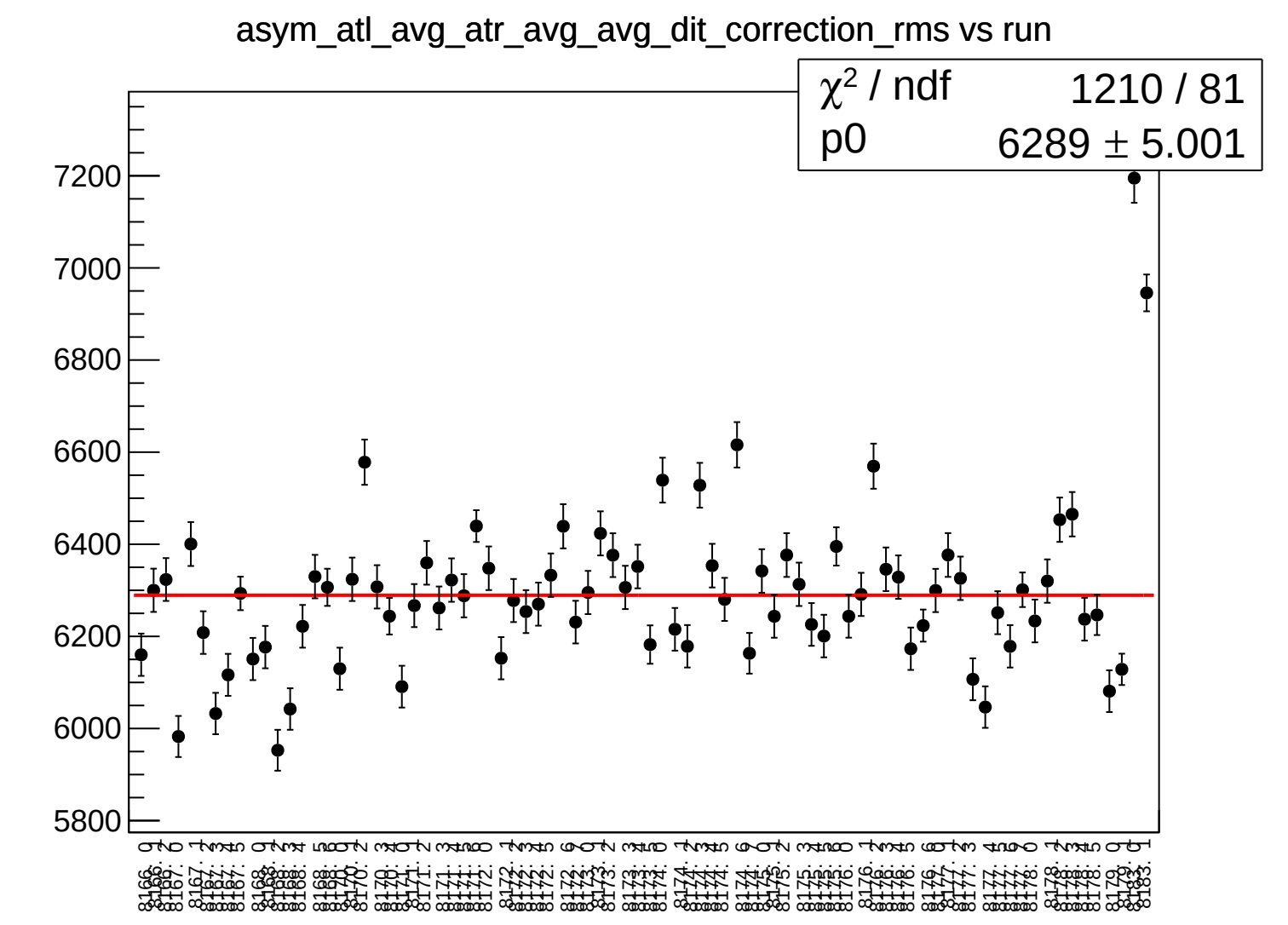

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 95.08 / 81
p0 2530 ± 1517
pull
Entries 82
Mean −66.41
Std Dev 0

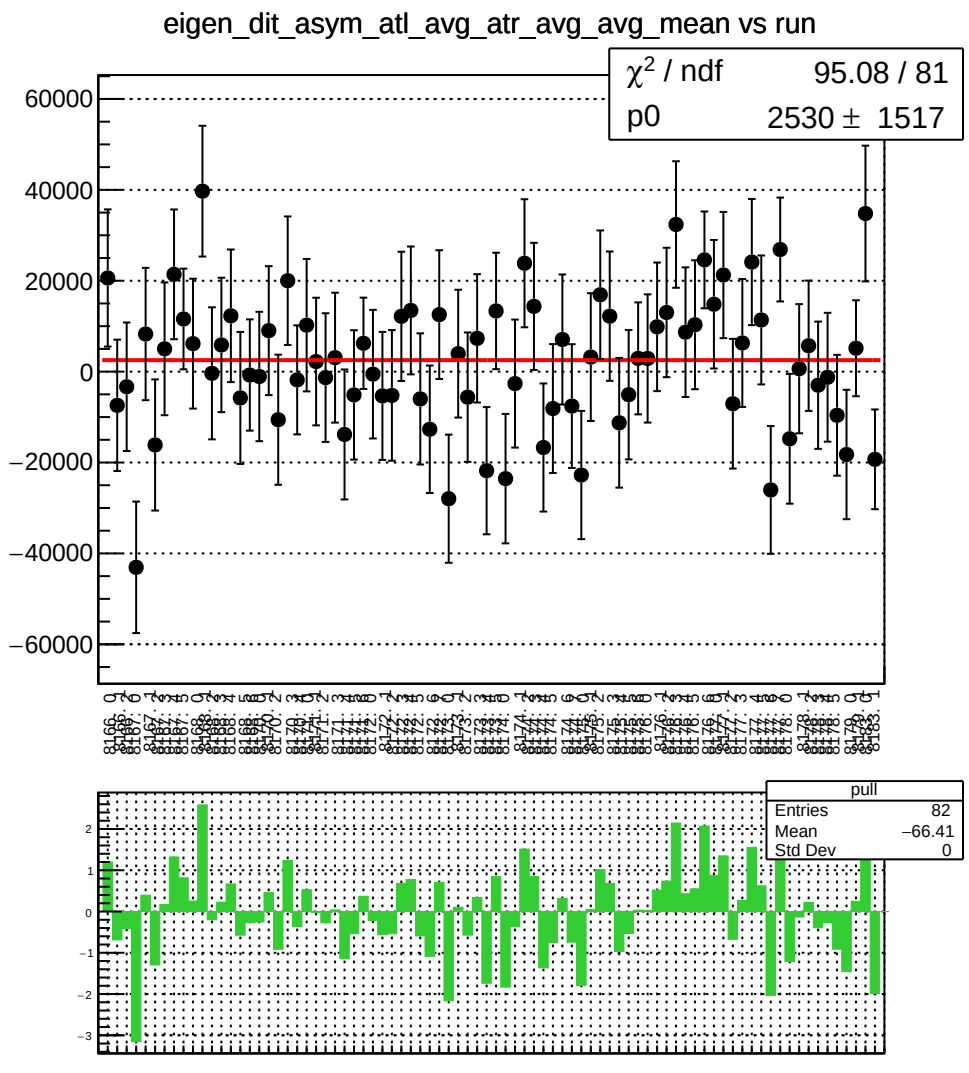

pull1D
Entries 82
Mean −0.01116
Std Dev 1.077

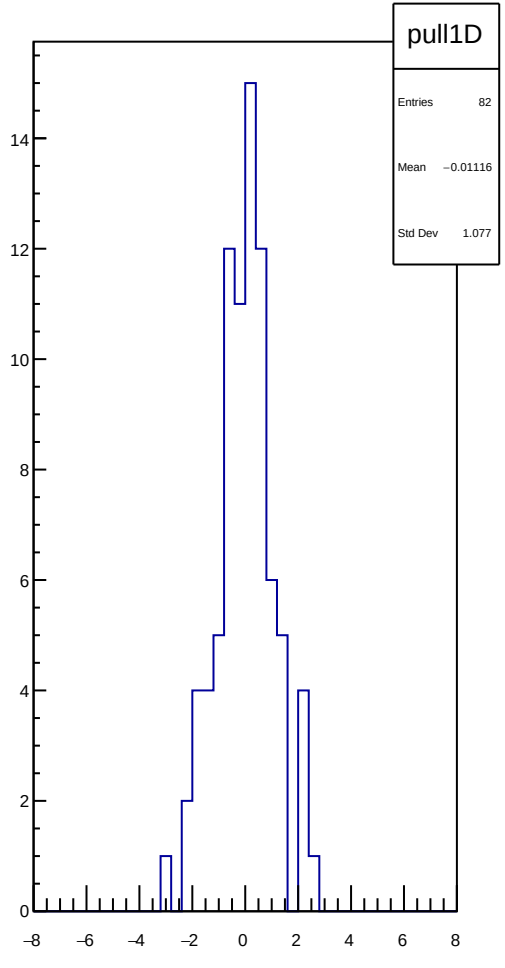

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 309.6 / 81
p0 1350 ± 1.073
1440
1420
1400
1380
1360
1340
1320
1300

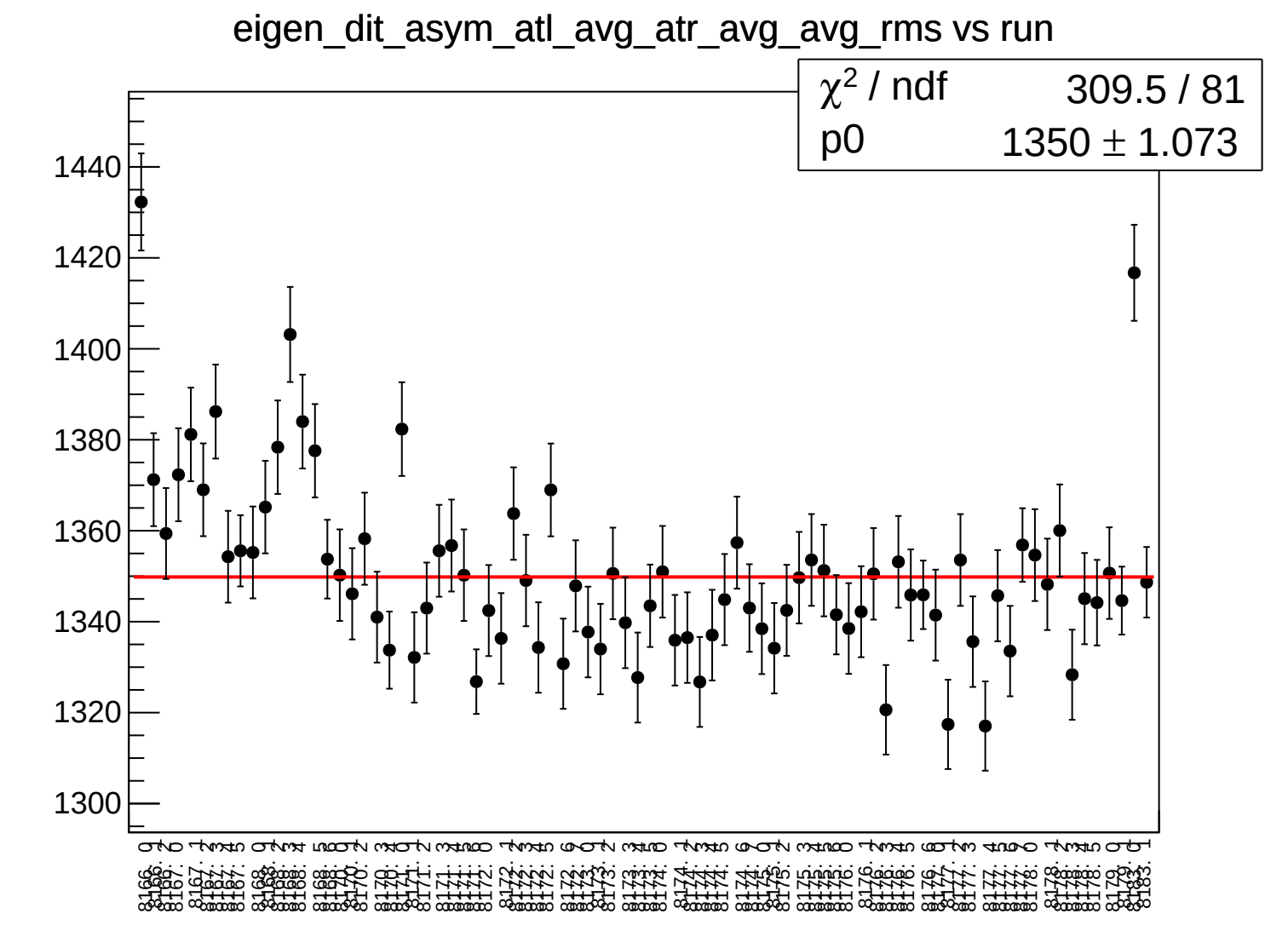

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.92 / 81
p0 423.3 ± 7072
200
100
0
−100
−200
−300
pull
Entries 82
Mean 1154
Std Dev 0
2
1
0
−1
−2
−3

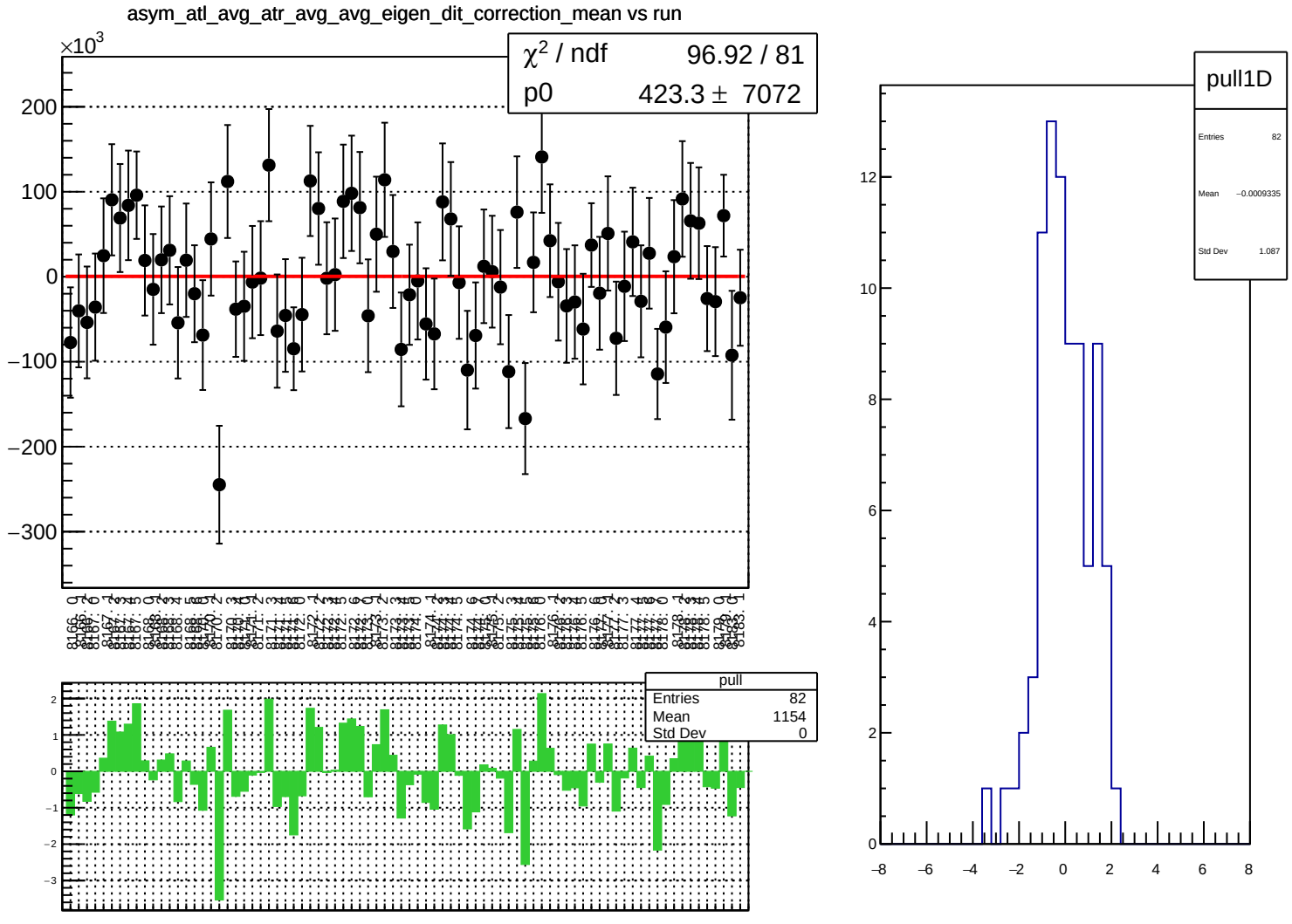

pull1D
Entries 82
Mean −0.0009335
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

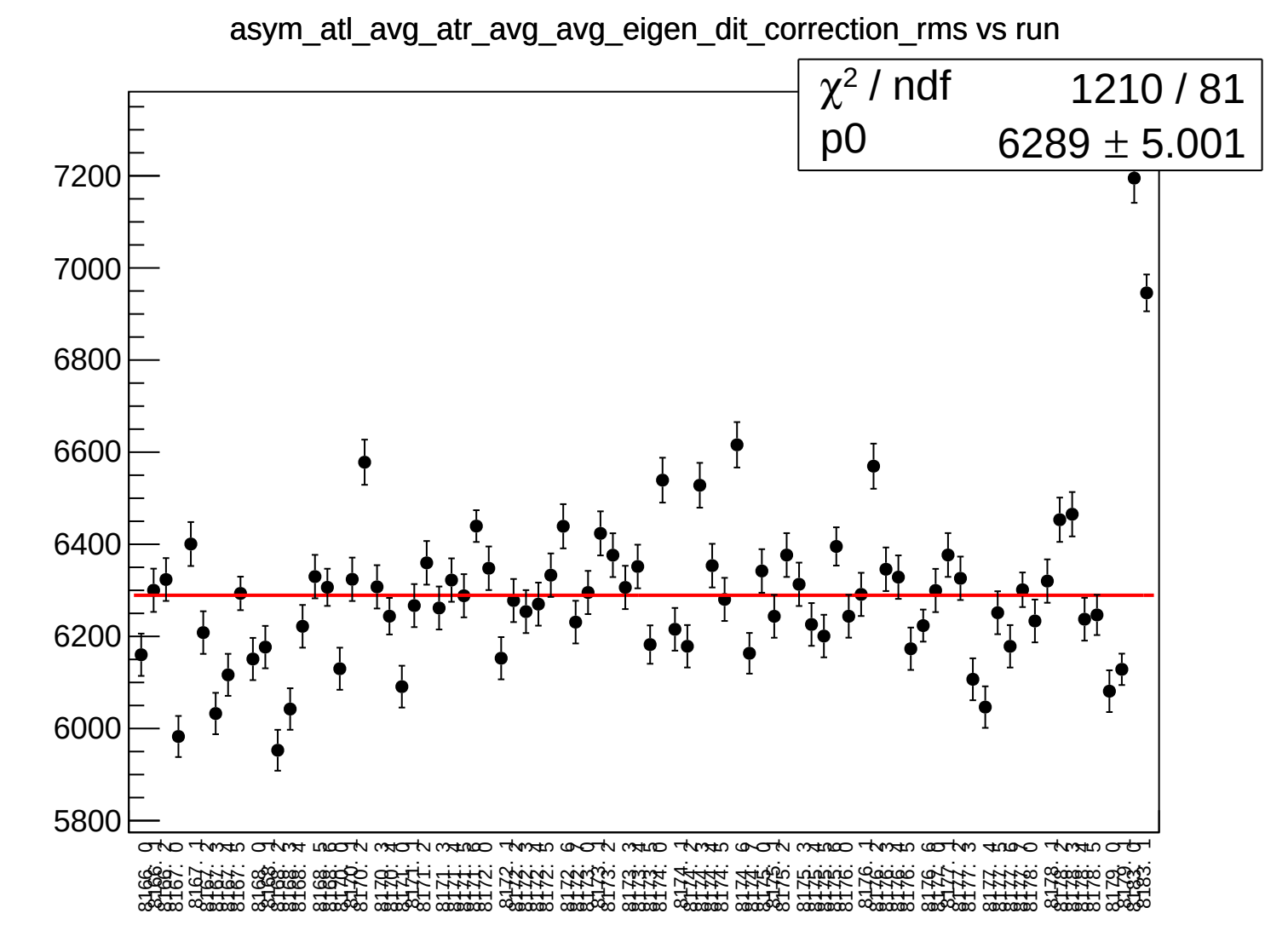

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 1210 / 81
p0 6289 ± 5.001
7200
7000
6800
6600
6400
6200
6000
5800

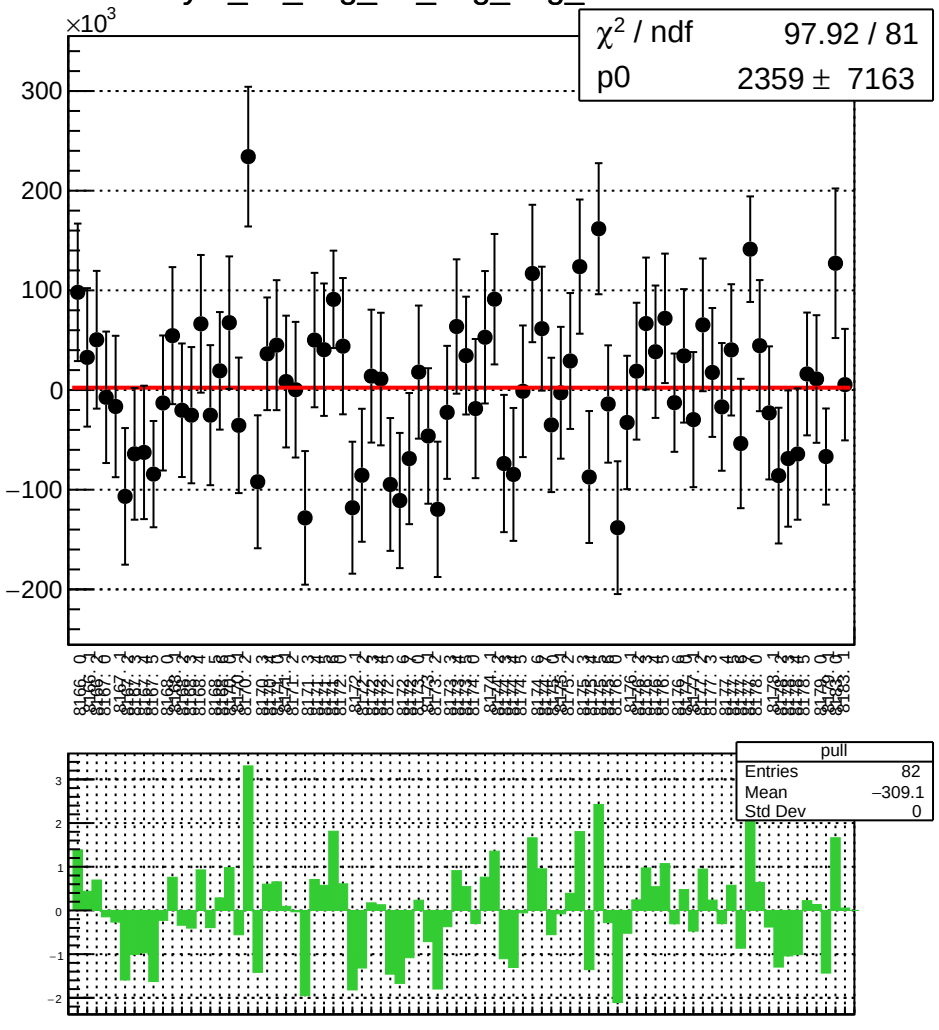

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 95.08 / 81
p0 2530 ± 1517
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −66.41
Std Dev 0
2
1
0
−1
−2
−3

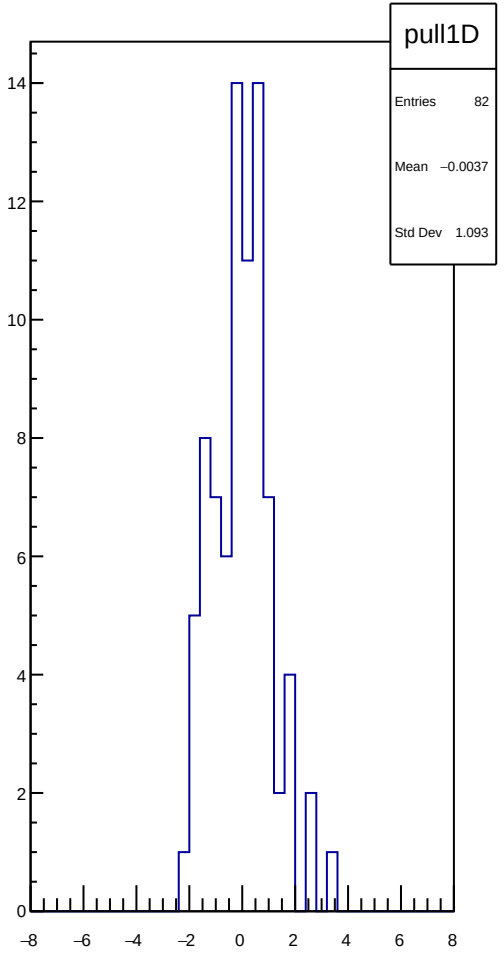

pull1D
Entries 82
Mean −0.01116
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

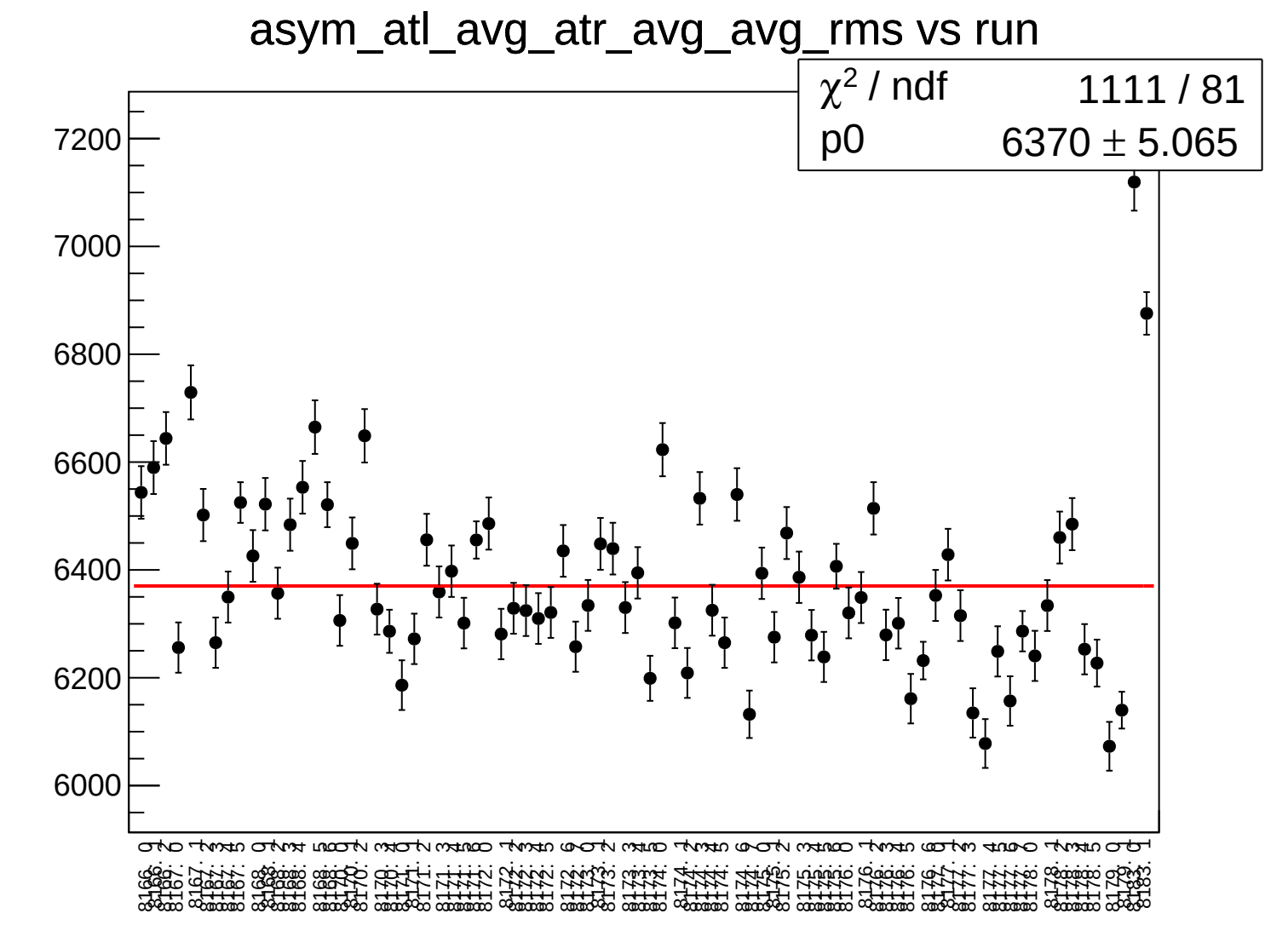

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 309.5 / 81
p0 1350 ± 1.073
1440
1420
1400
1380
1360
1340
1320
1300

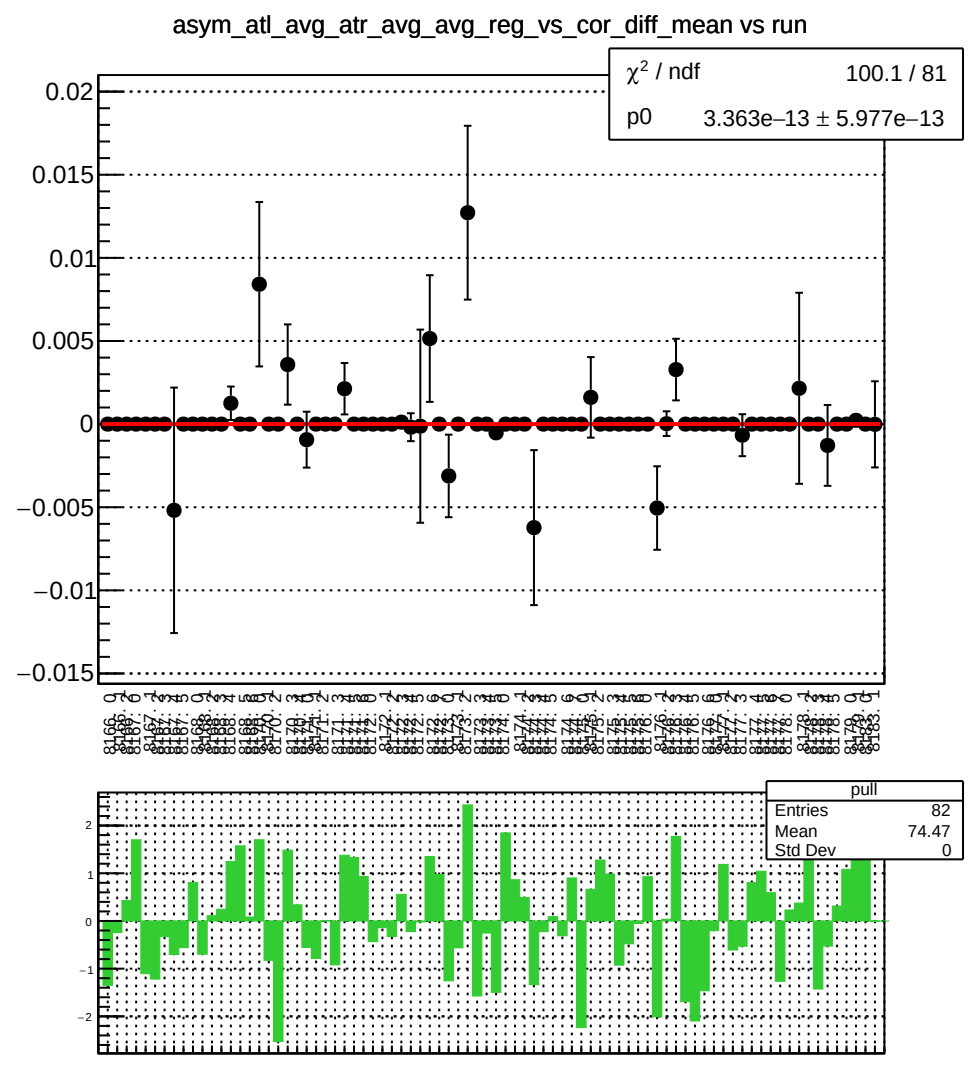

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.92 / 81
p0 423.3 ± 7072
200
100
0
−100
−200
−300
pull
Entries 82
Mean 1154
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.0009335
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

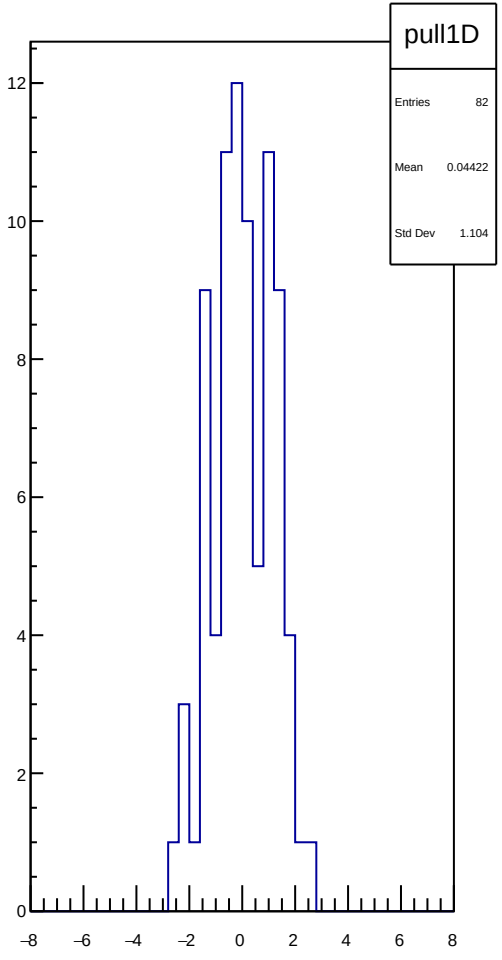

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1210 / 81
p0 6289 ± 5.001
7200
7000
6800
6600
6400
6200
6000
5800

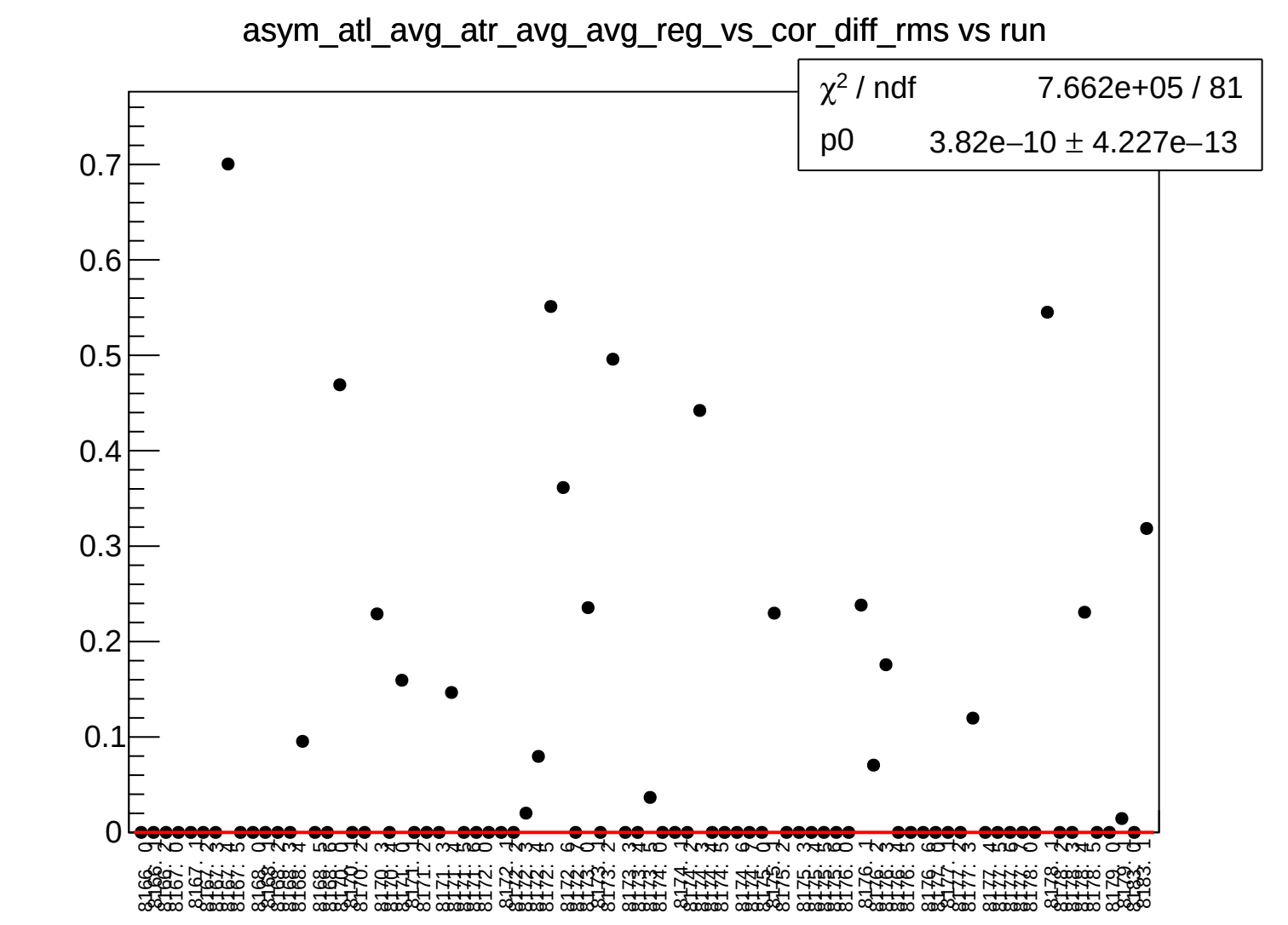

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 97.92 / 81
p0 2359 ± 7163
×10³
300
200
100
0
−100
−200
pull
Entries 82
Mean −309.1
Std Dev 0
3
2
1
0
−1
−2

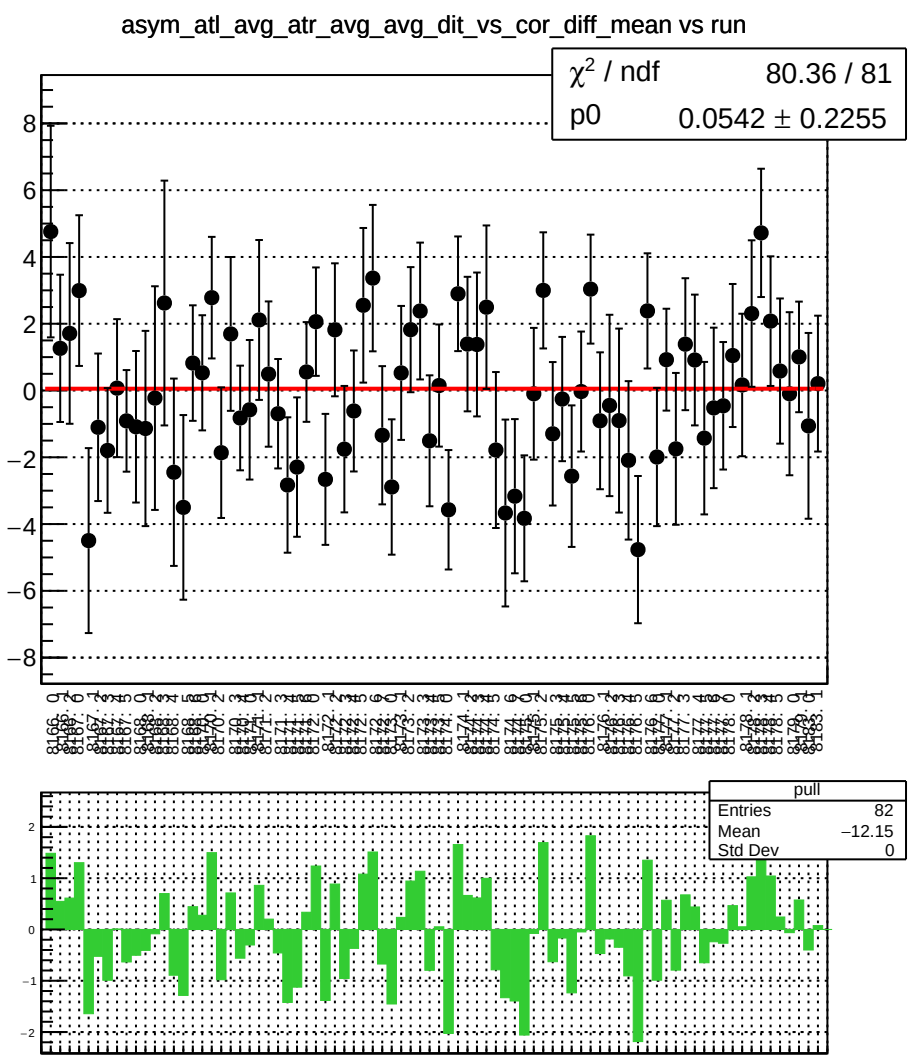

pull1D
Entries 82
Mean −0.0037
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

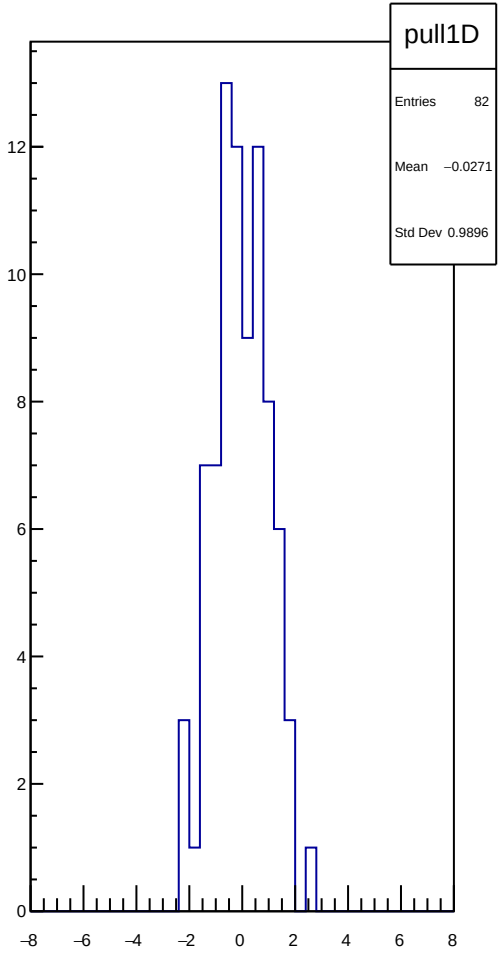

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1111 / 81
p0 6370 ± 5.065
7200
7000
6800
6600
6400
6200
6000

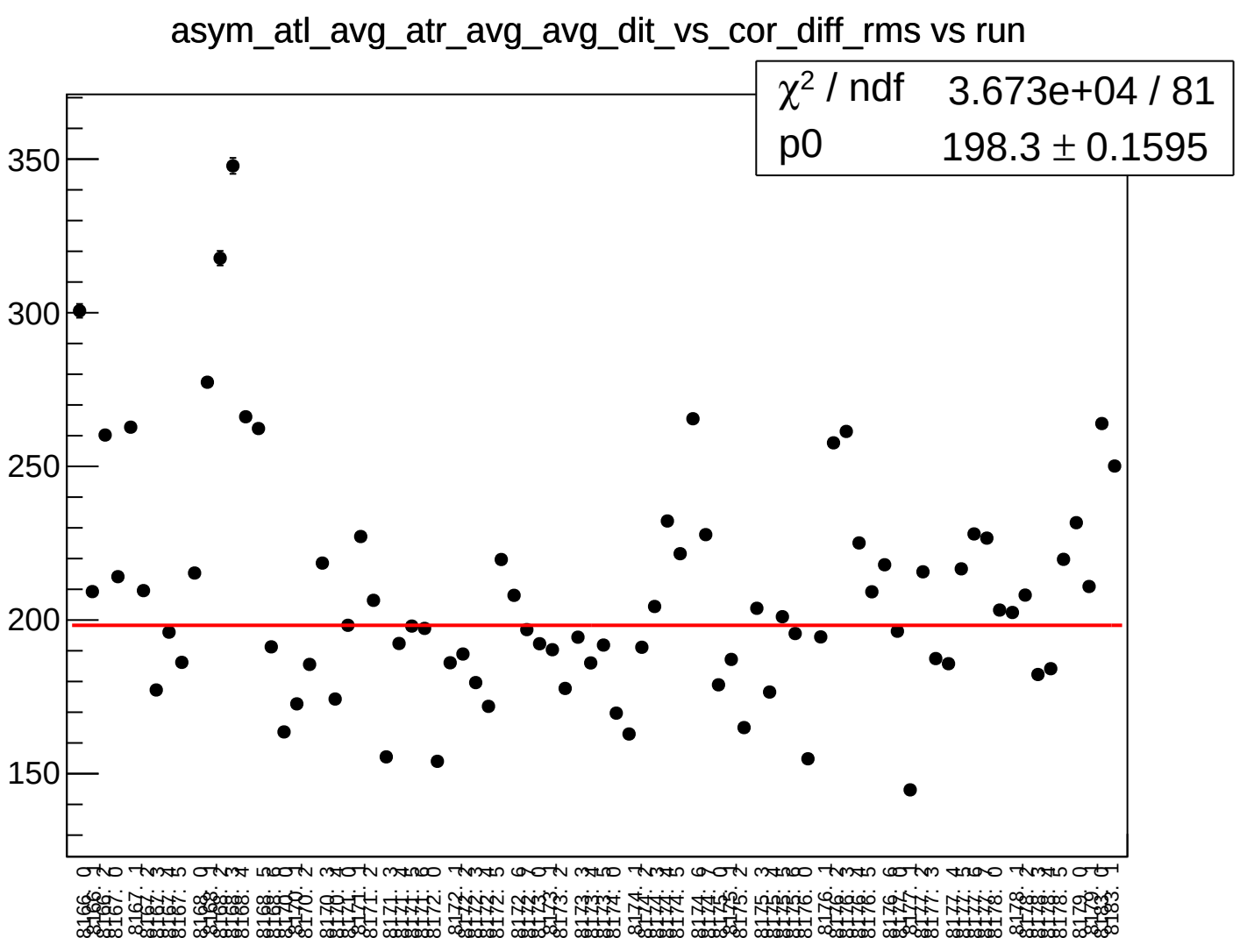

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 100.1 / 81
p0 3.363e−13 ± 5.977e−13
pull
Entries 82
Mean 74.47
Std Dev 0

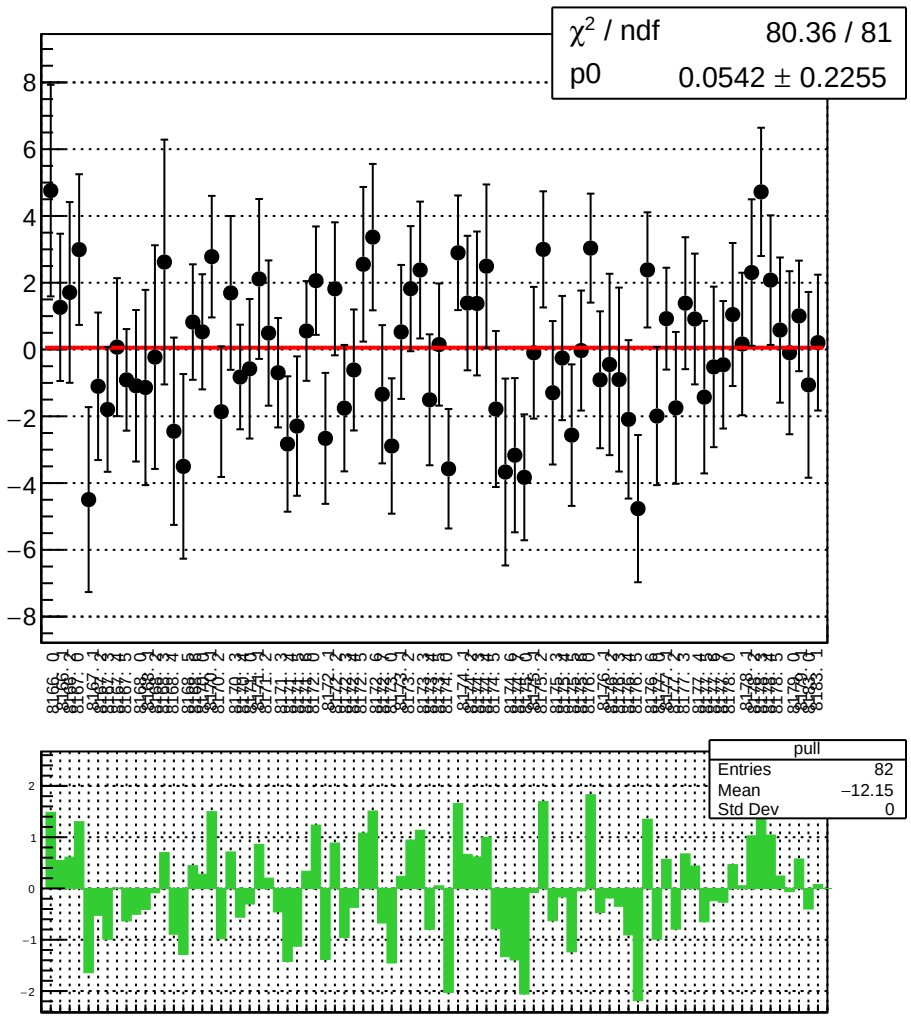

pull1D
Entries 82
Mean 0.04422
Std Dev 1.104

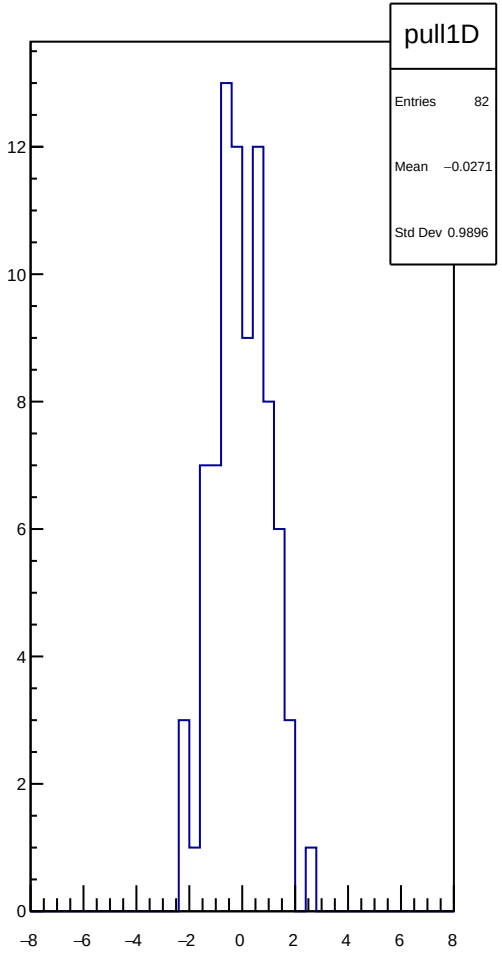

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.662e+05 / 81
p0 3.82e−10 ± 4.227e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

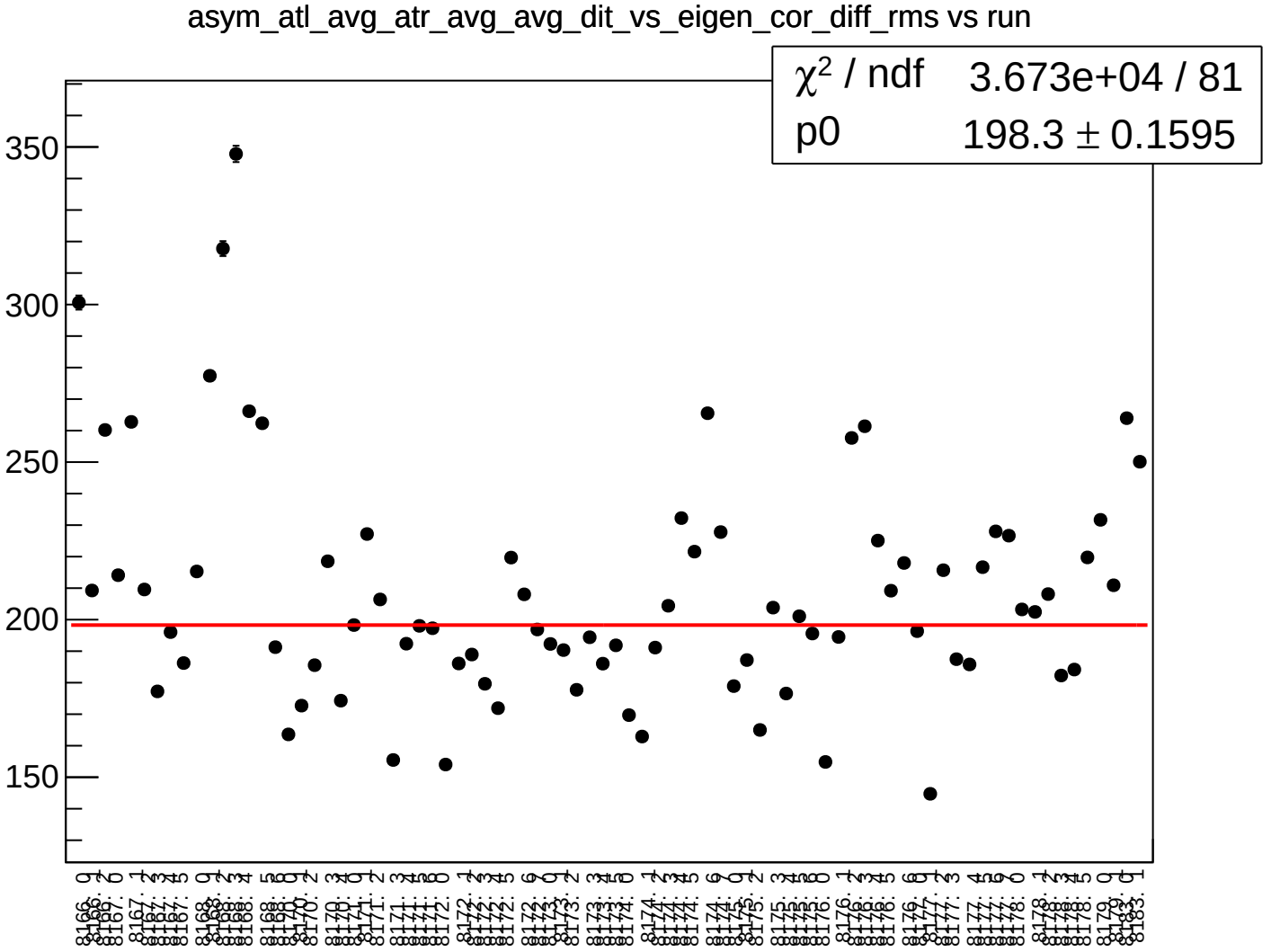

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.36 / 81
p0 0.0542 ± 0.2255
pull
Entries 82
Mean −12.15
Std Dev 0

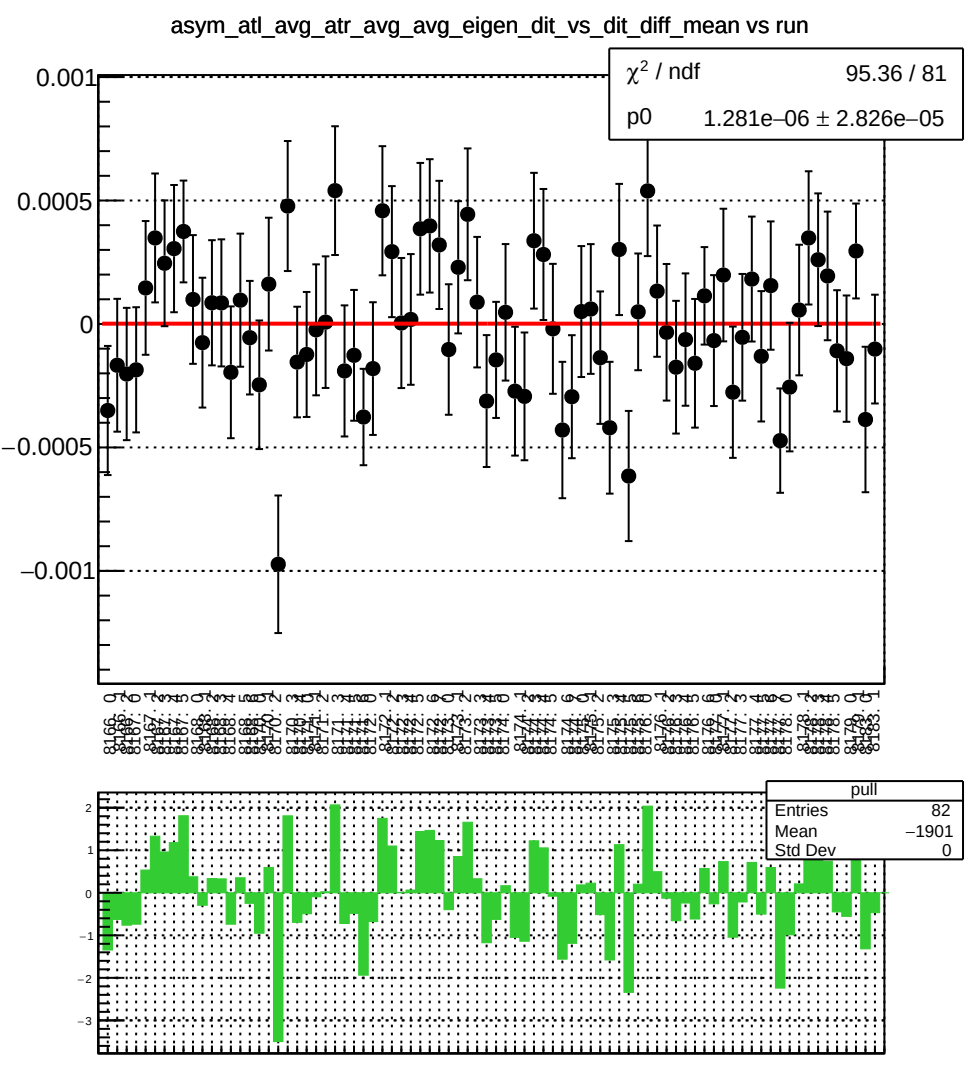

pull1D
Entries 82
Mean −0.0271
Std Dev 0.9896

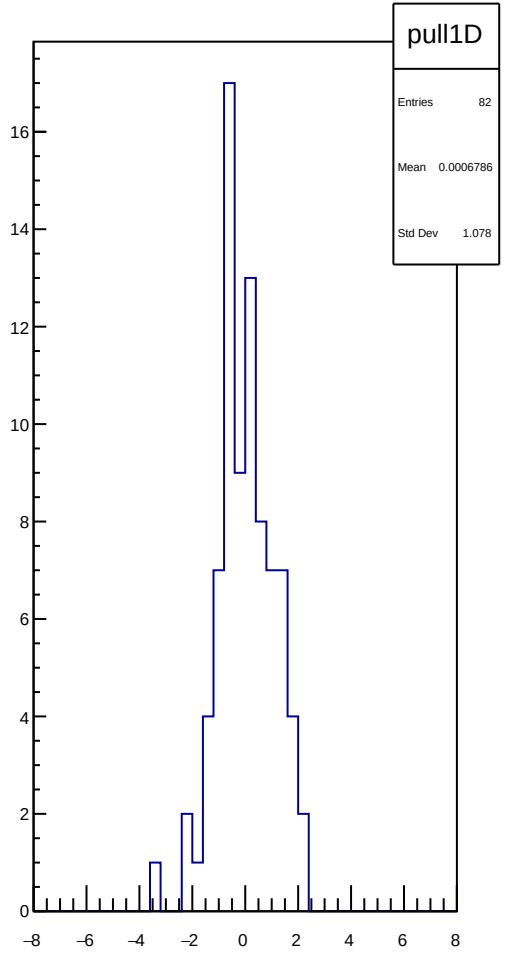

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.673e+04 / 81
p0 198.3 ± 0.1595
350
300
250
200
150

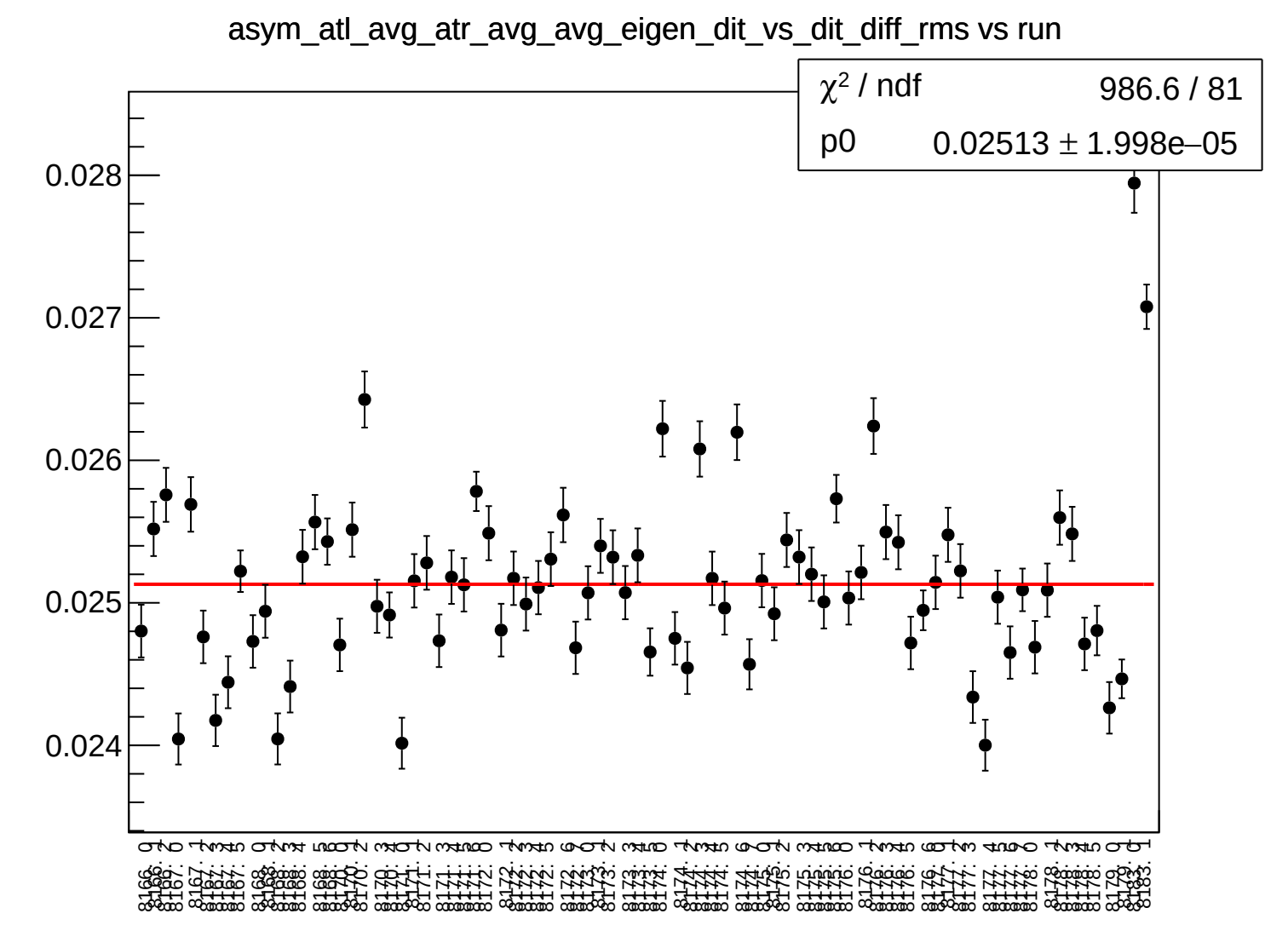

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.36 / 81
p0 0.0542 ± 0.2255
pull
Entries 82
Mean −12.15
Std Dev 0

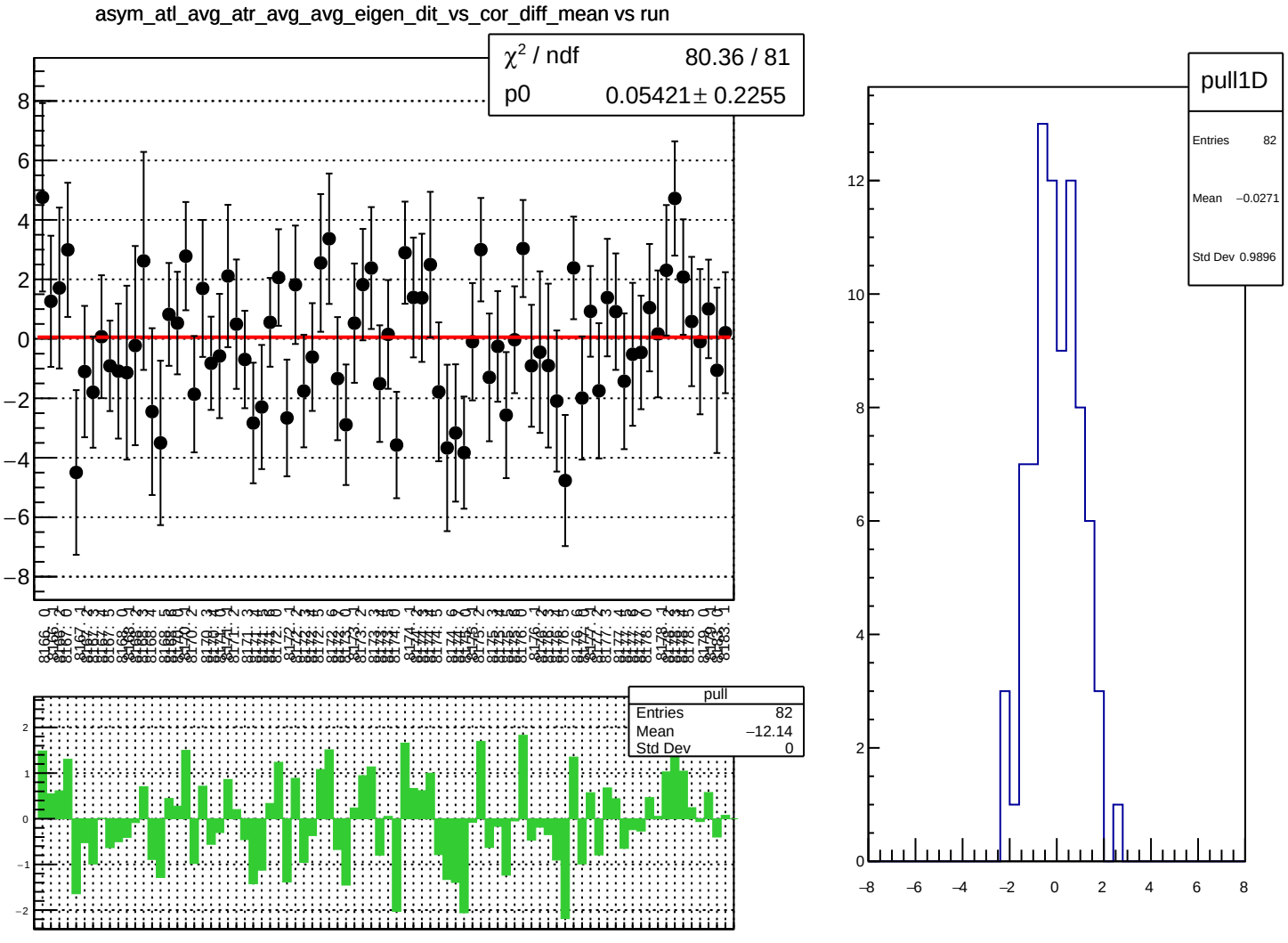

pull1D
Entries 82
Mean −0.0271
Std Dev 0.9896

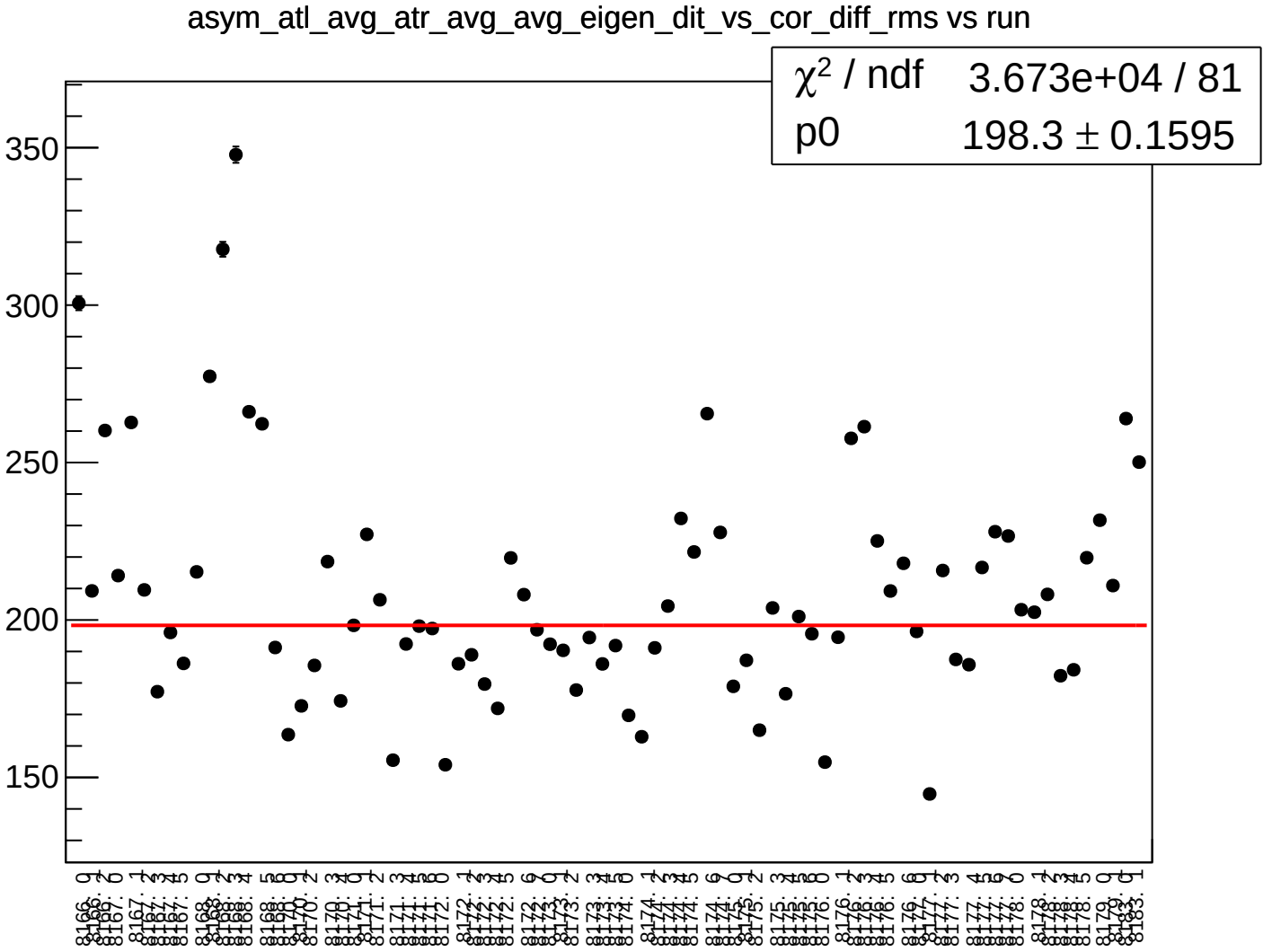

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.673e+04 / 81
p0 198.3 ± 0.1595
350
300
250
200
150

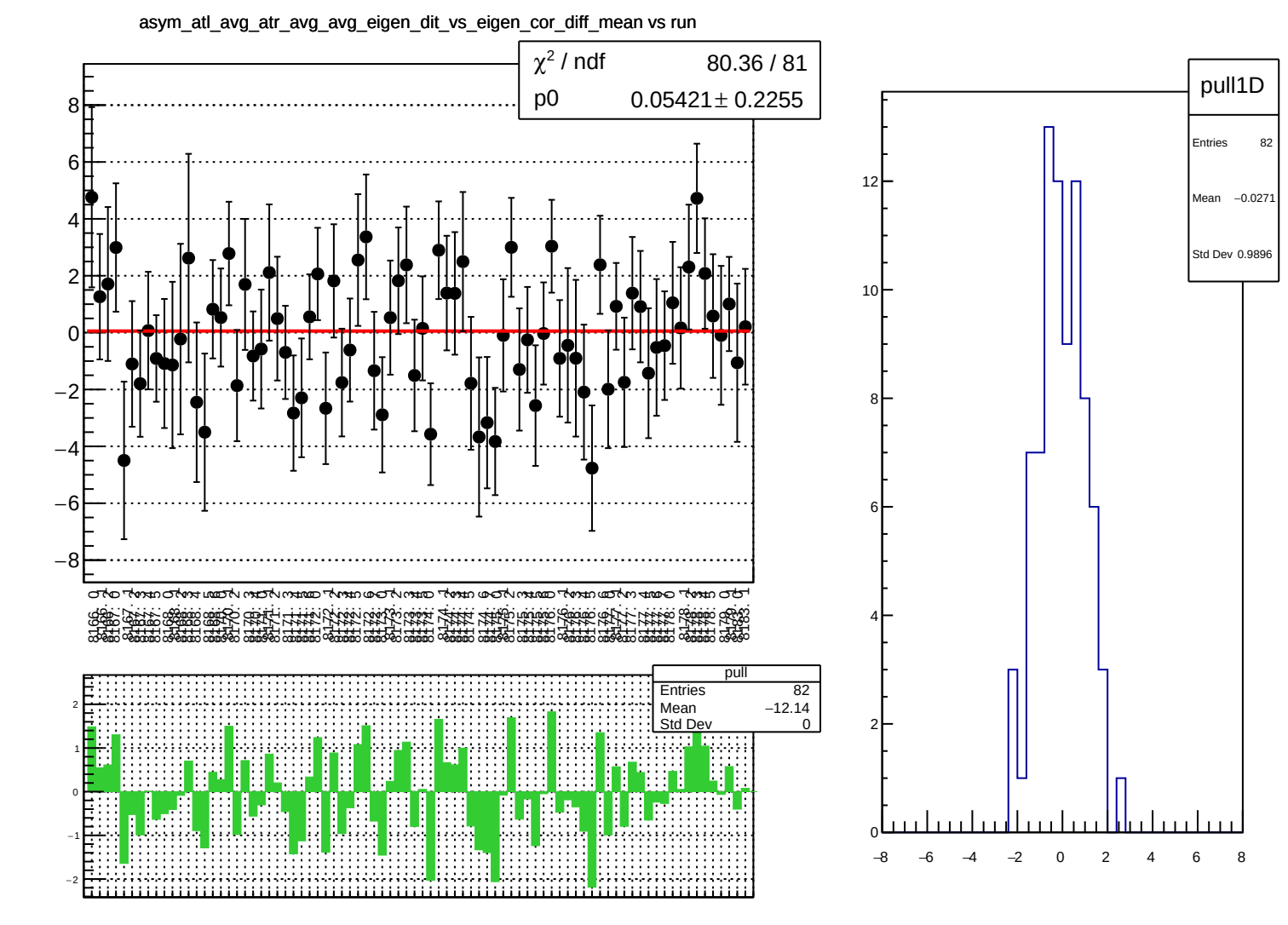

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.36 / 81
p0 1.281e−06 ± 2.826e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 82
Mean −1901
Std Dev 0
2
1
0
−1
−2
−3

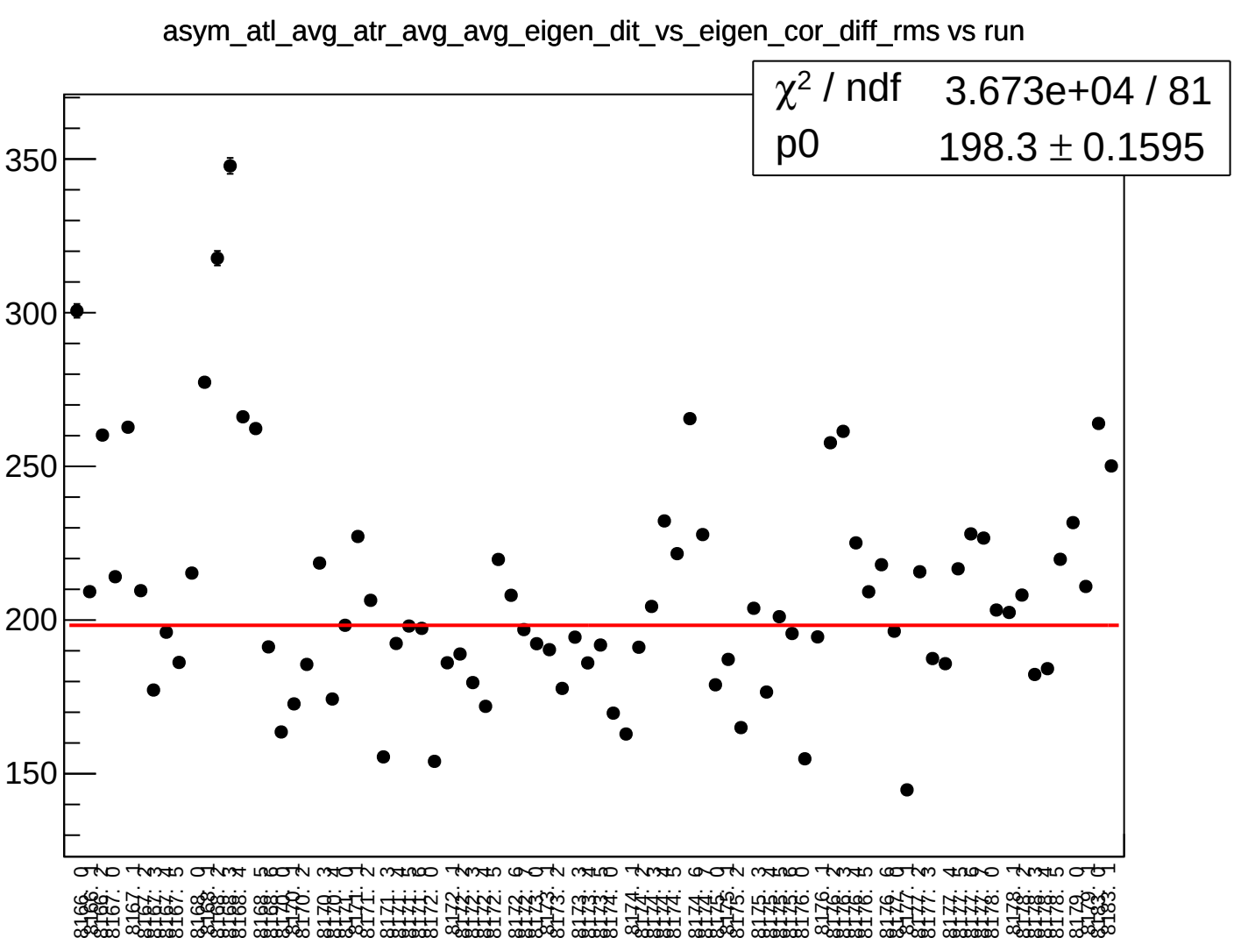

pull1D
Entries 82
Mean 0.0006786
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

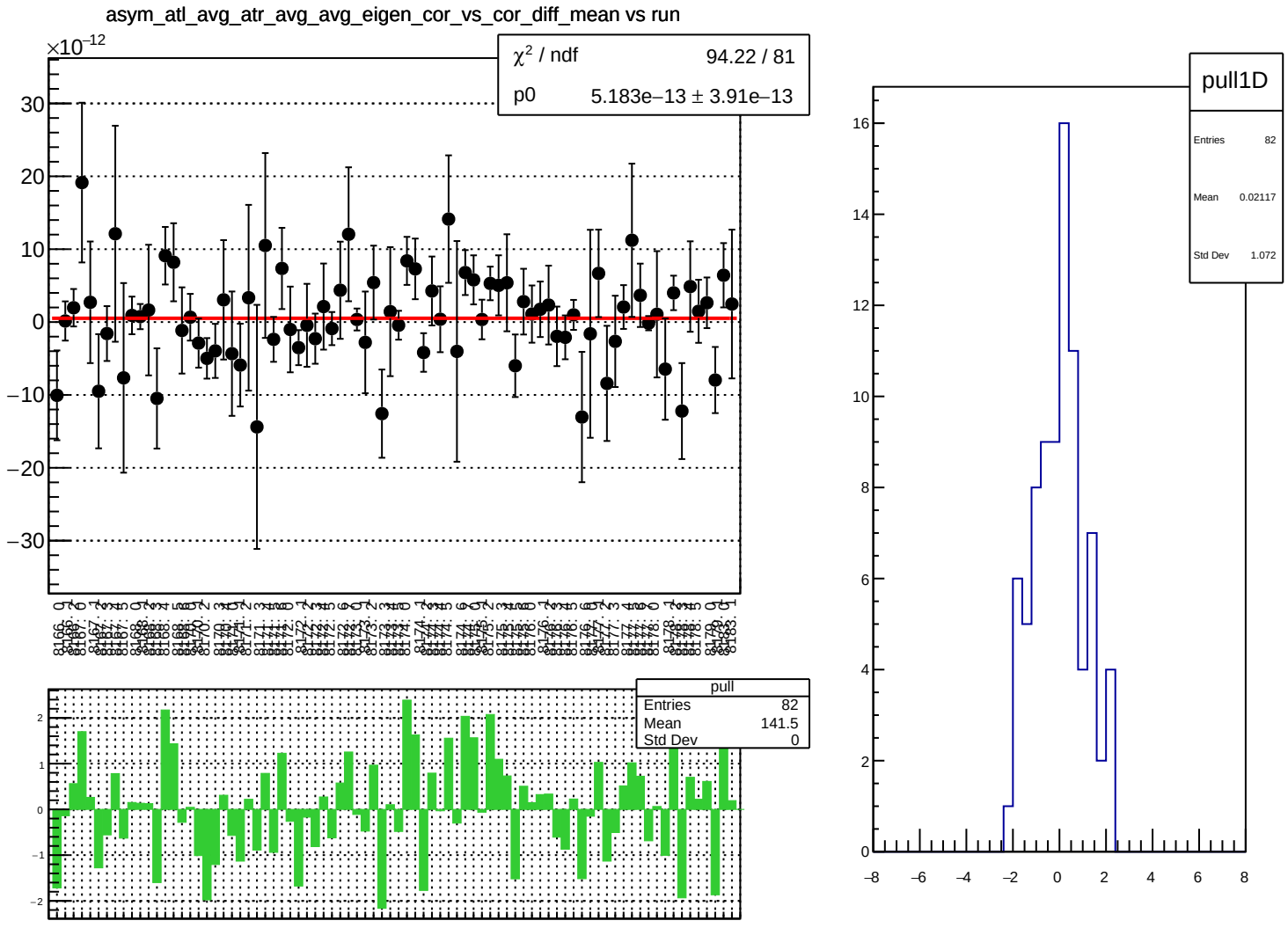

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 986.6 / 81
p0 0.02513 ± 1.998e−05
0.028
0.027
0.026
0.025
0.024

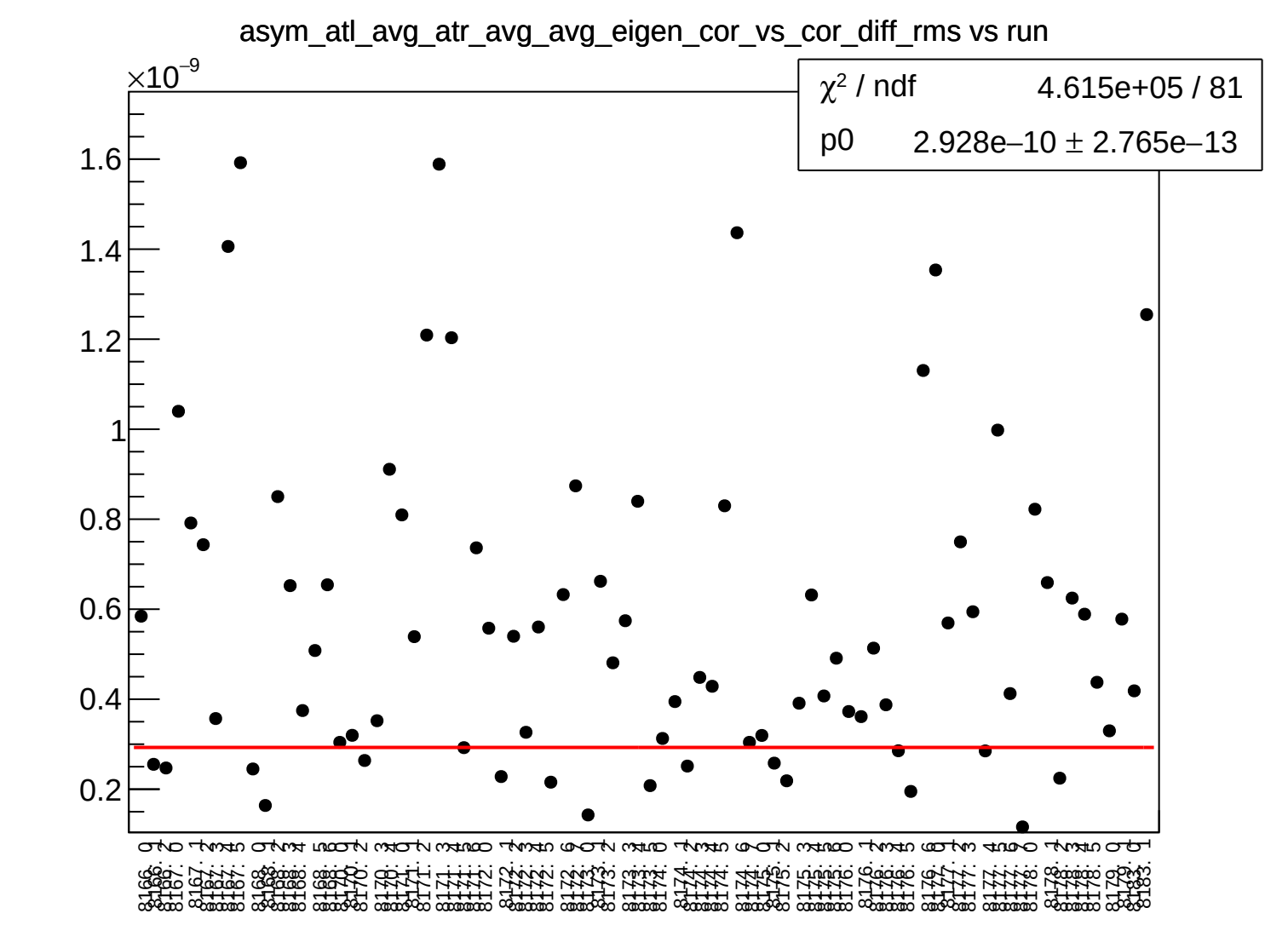

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.36 / 81
p0 0.05421 ± 0.2255
pull
Entries 82
Mean −12.14
Std Dev 0
pull1D
Entries 82
Mean −0.0271
Std Dev 0.9896

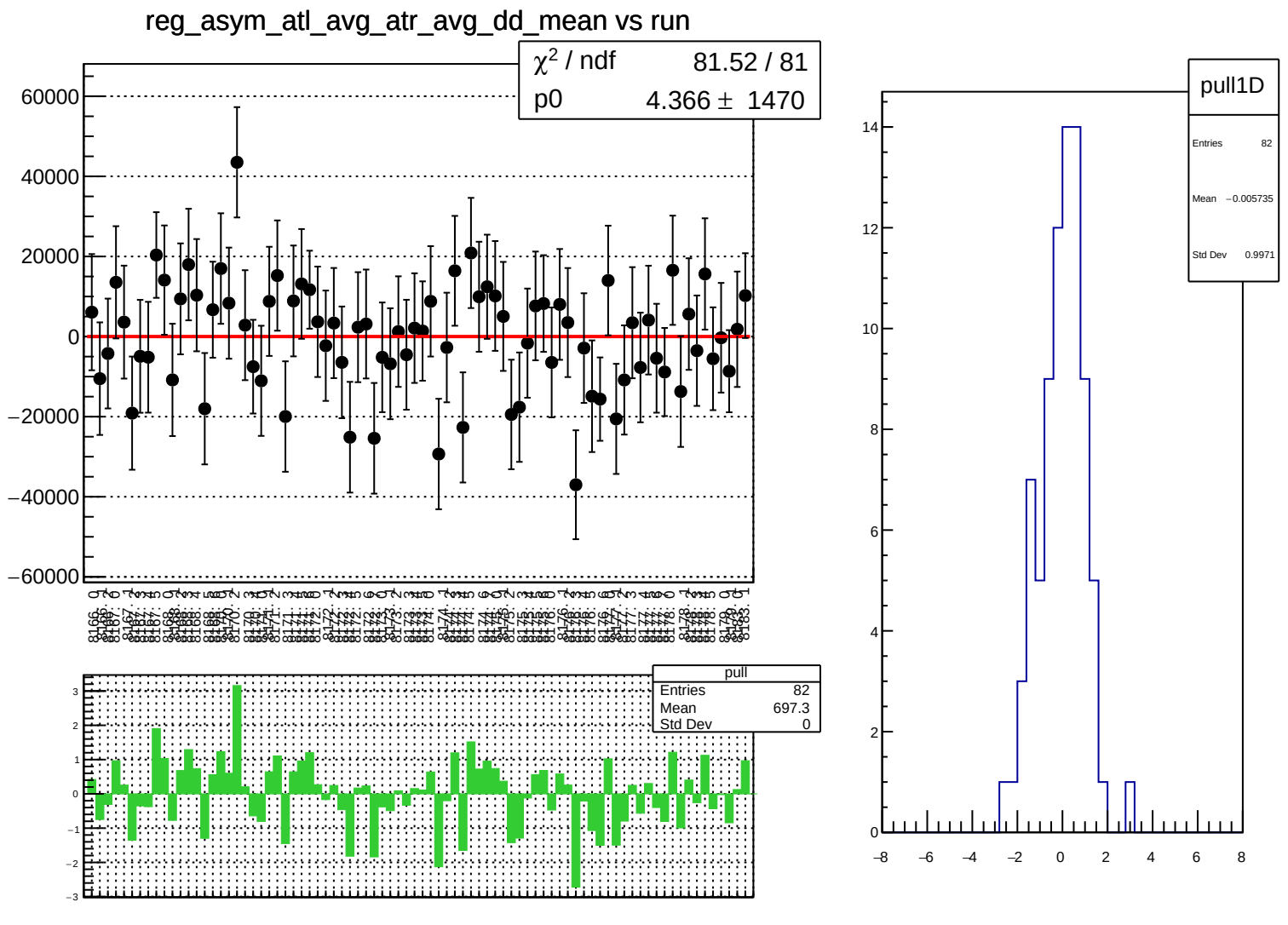

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.673e+04 / 81
p0 198.3 ± 0.1595
350
300
250
200
150

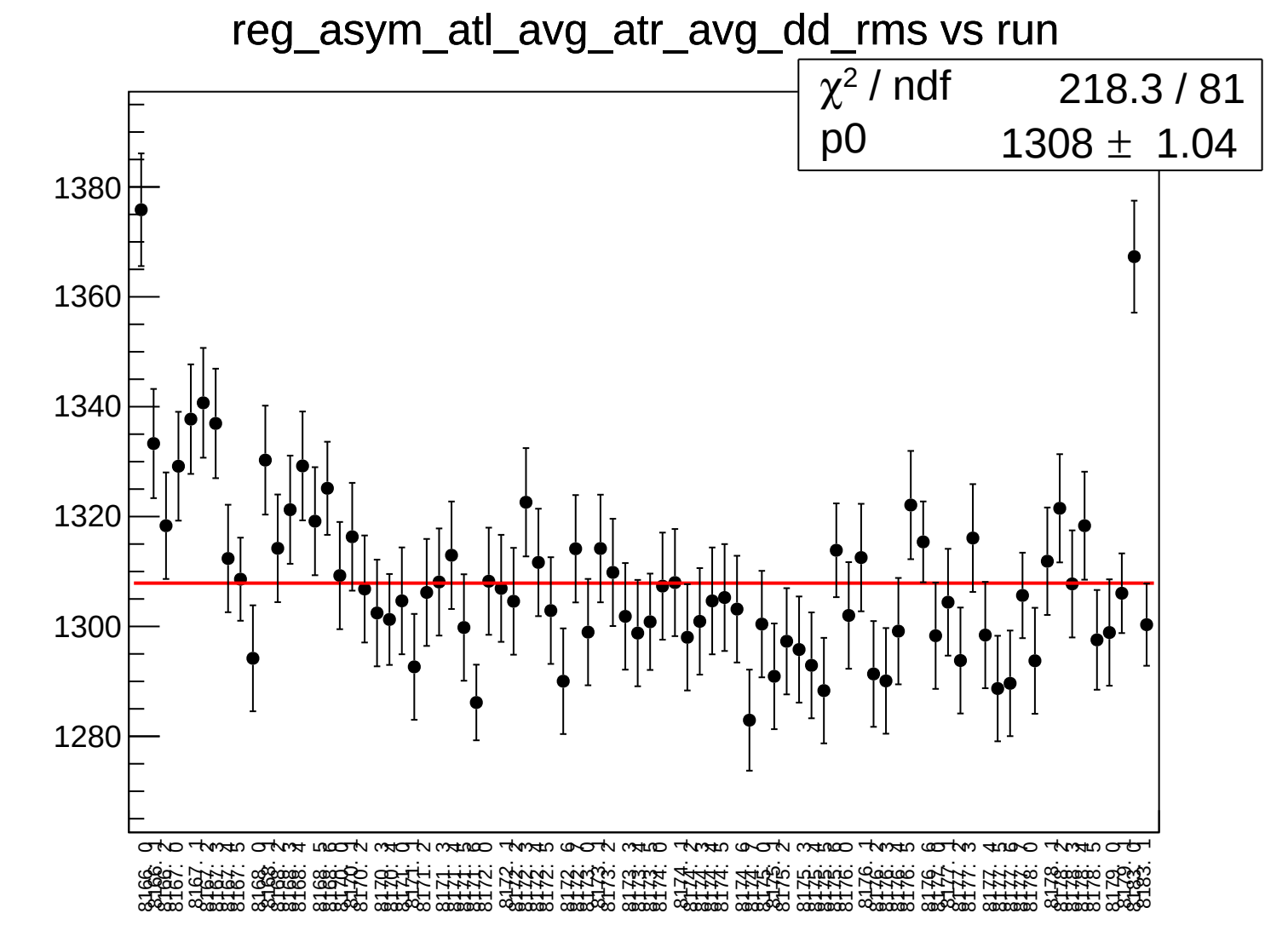

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.36 / 81
p0 0.05421 ± 0.2255
pull
Entries 82
Mean −12.14
Std Dev 0
pull1D
Entries 82
Mean −0.0271
Std Dev 0.9896

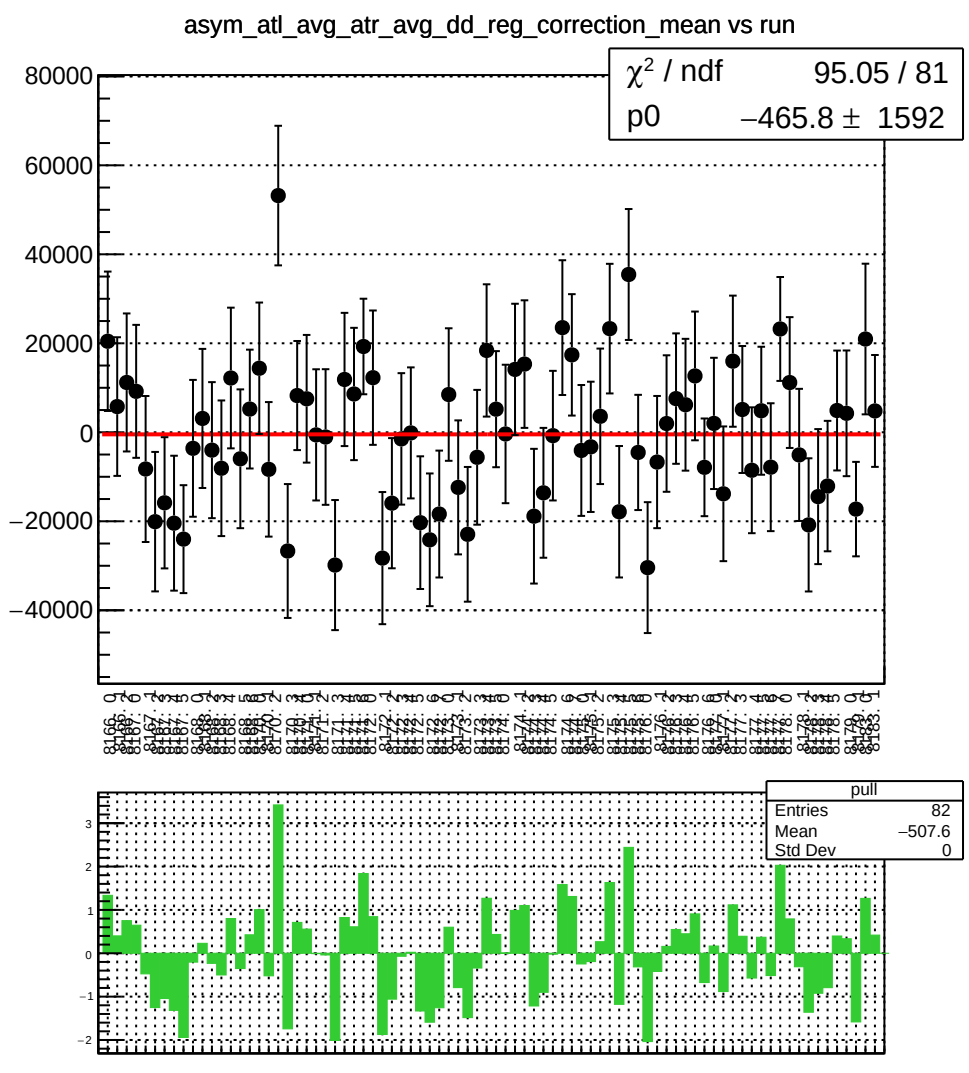

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.673e+04 / 81
p0 198.3 ± 0.1595
350
300
250
200
150

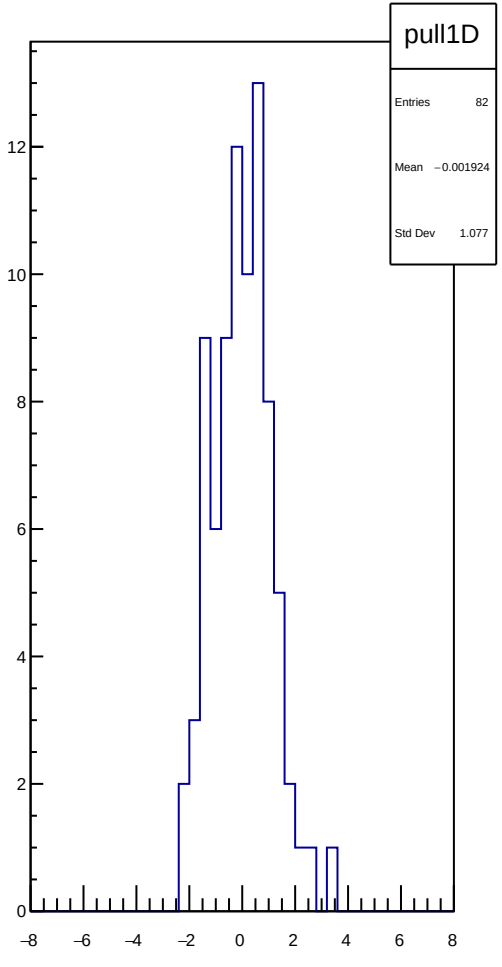

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.22 / 81
p0 5.183e−13 ± 3.91e−13
pull
Entries 82
Mean 141.5
Std Dev 0
pull1D
Entries 82
Mean 0.02117
Std Dev 1.072

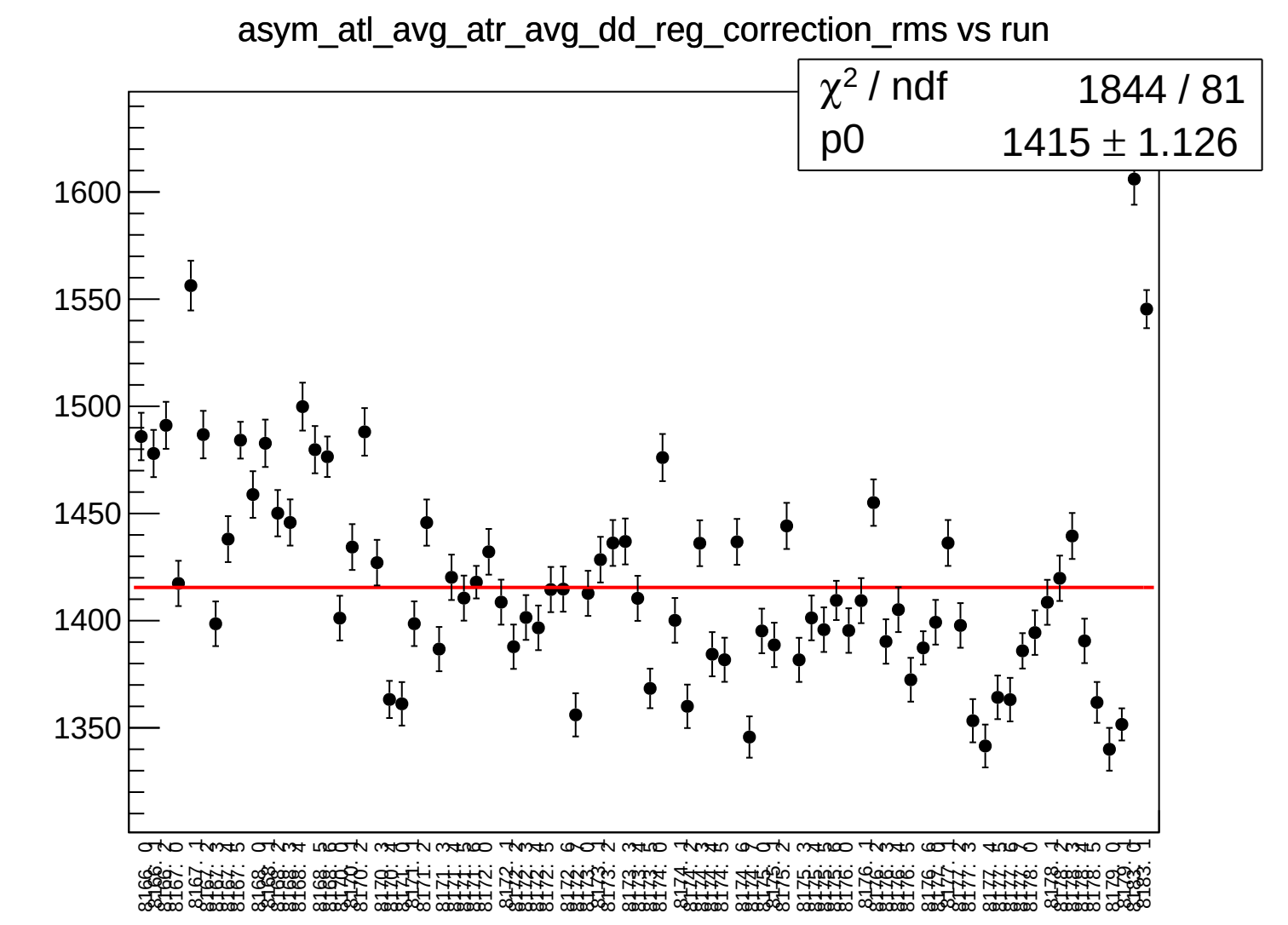

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.615e+05 / 81
p0 2.928e−10 ± 2.765e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

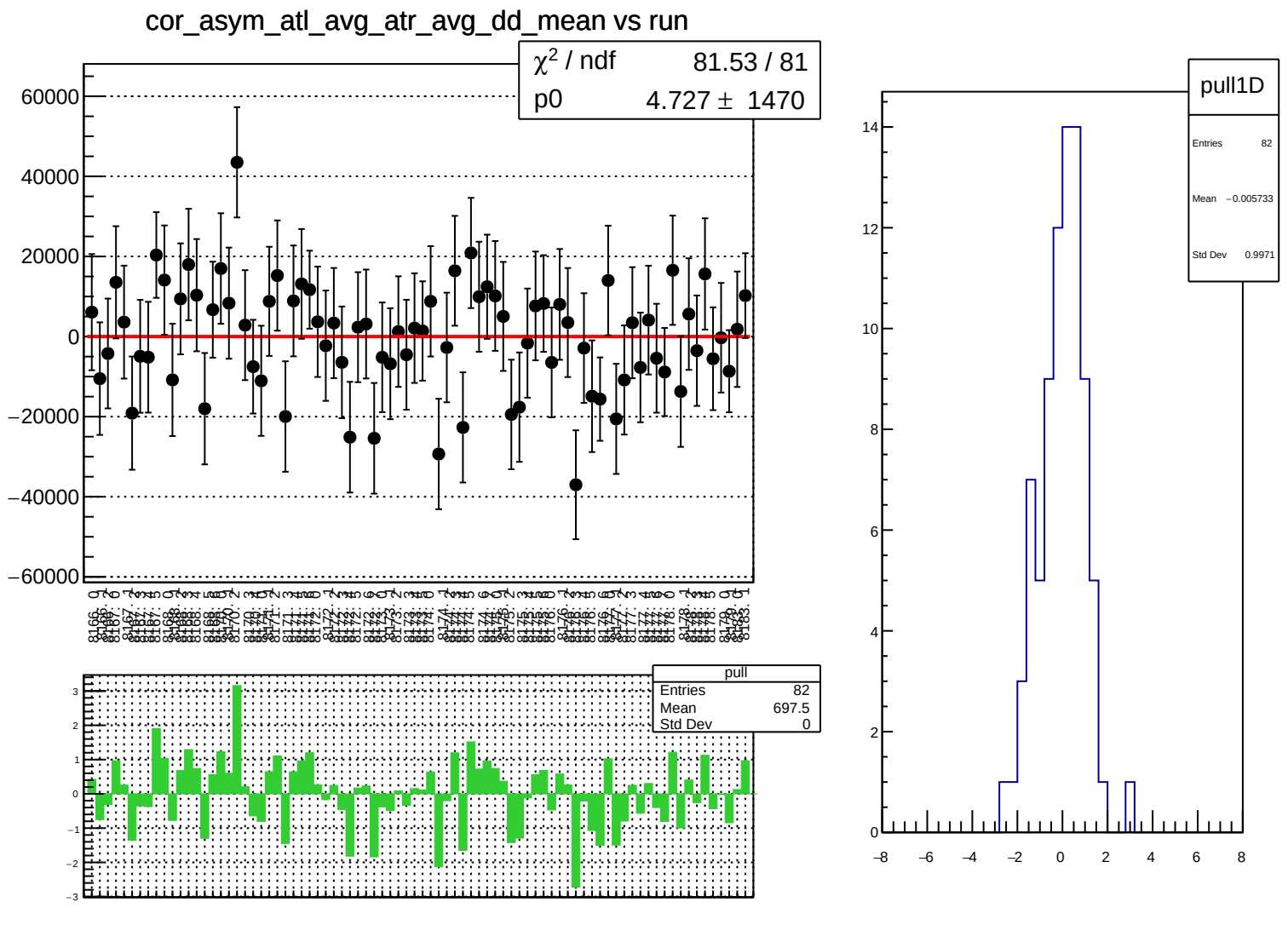

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.52 / 81
p0 4.366 ± 1470
pull
Entries 82
Mean 697.3
Std Dev 0
pull1D
Entries 82
Mean −0.005735
Std Dev 0.9971


reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 218.3 / 81
p0 1308 ± 1.04
1380
1360
1340
1320
1300
1280

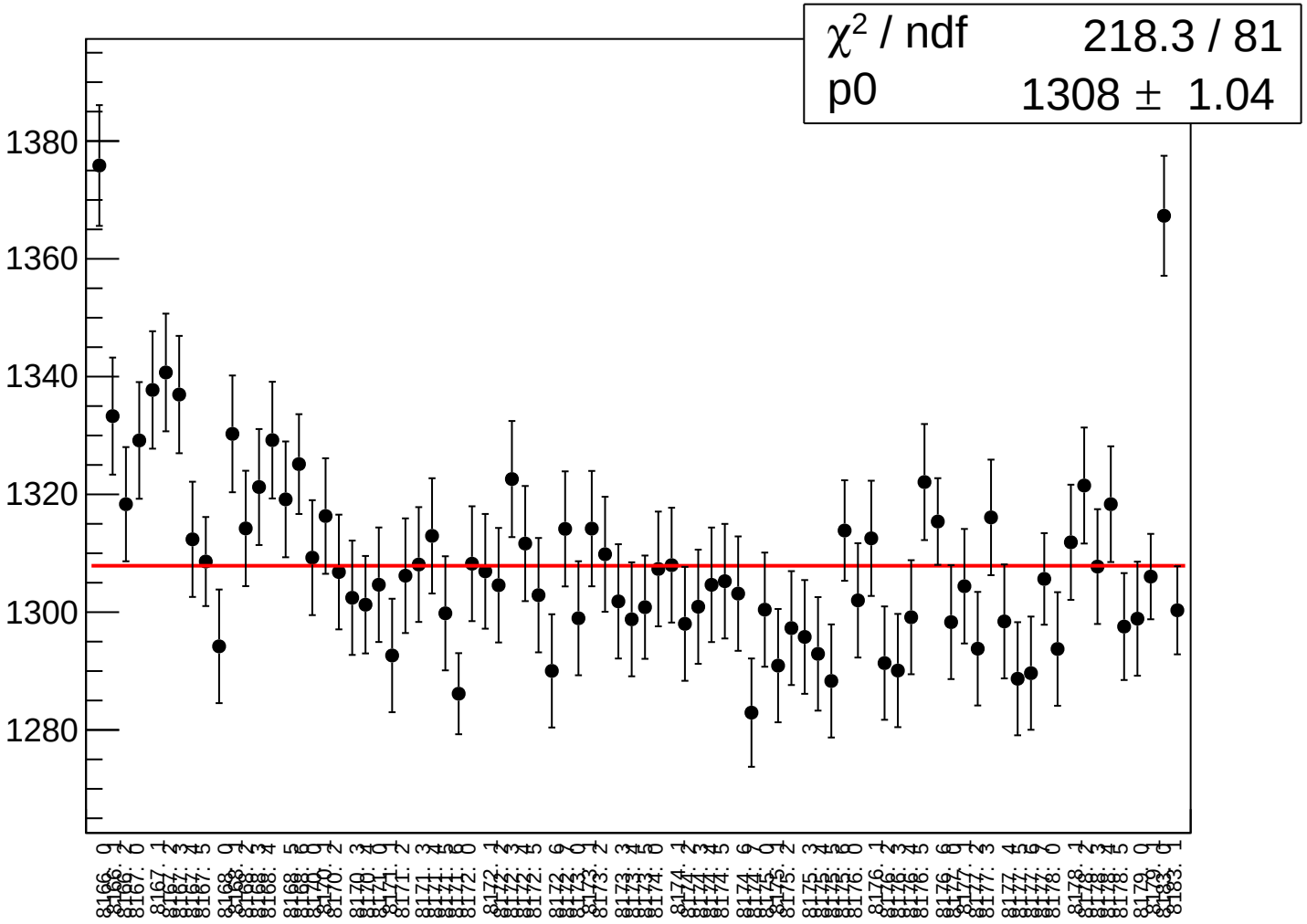

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 95.05 / 81
p0 −465.8 ± 1592
pull
Entries 82
Mean −507.6
Std Dev 0

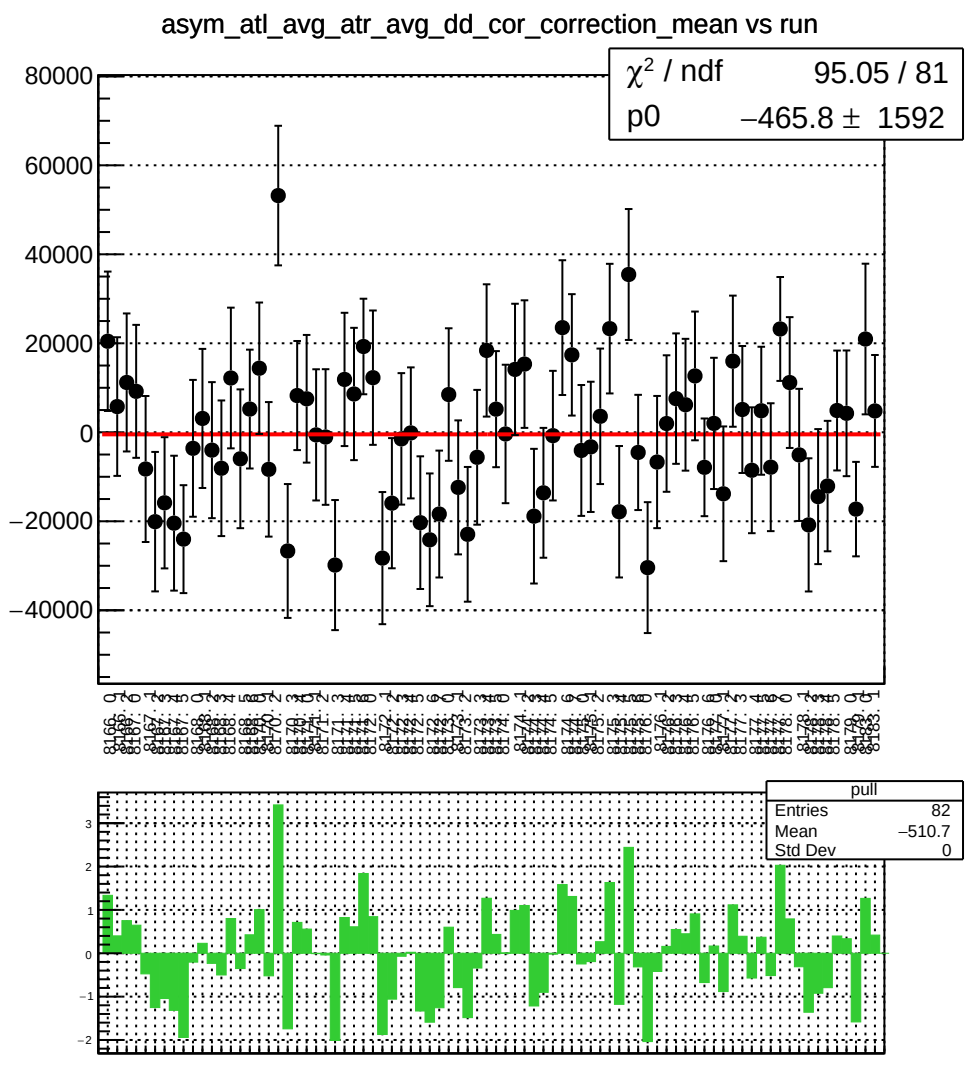

pull1D
Entries 82
Mean −0.001924
Std Dev 1.077

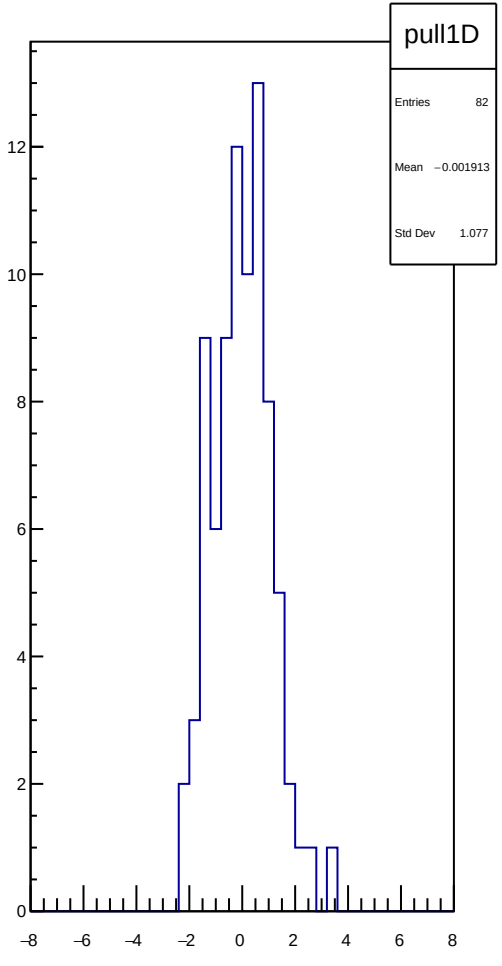

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 1844 / 81
p0 1415 ± 1.126
1600
1550
1500
1450
1400
1350

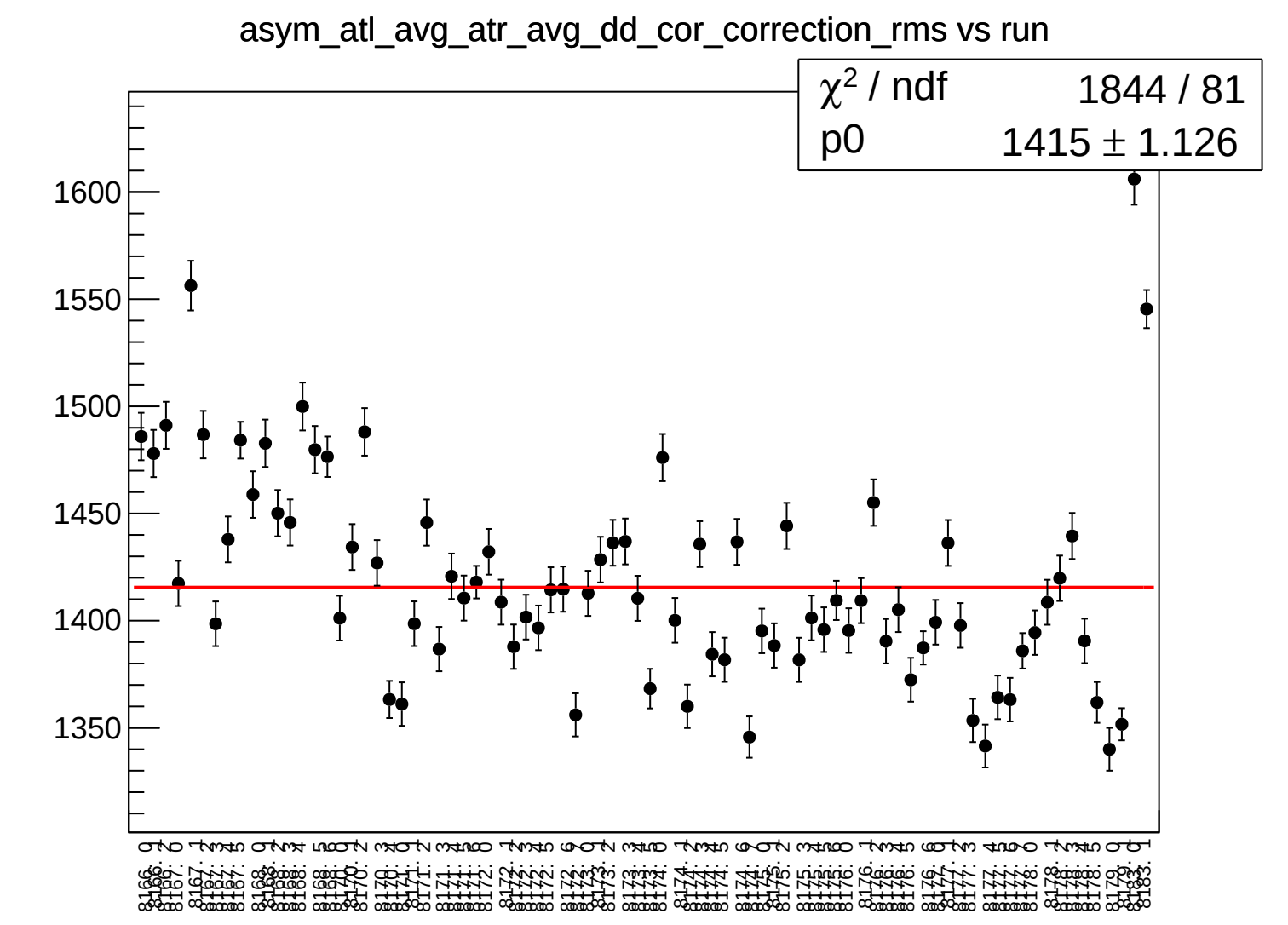

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.53 / 81
p0 4.727 ± 1470
pull
Entries 82
Mean 697.5
Std Dev 0
pull1D
Entries 82
Mean −0.005733
Std Dev 0.9971

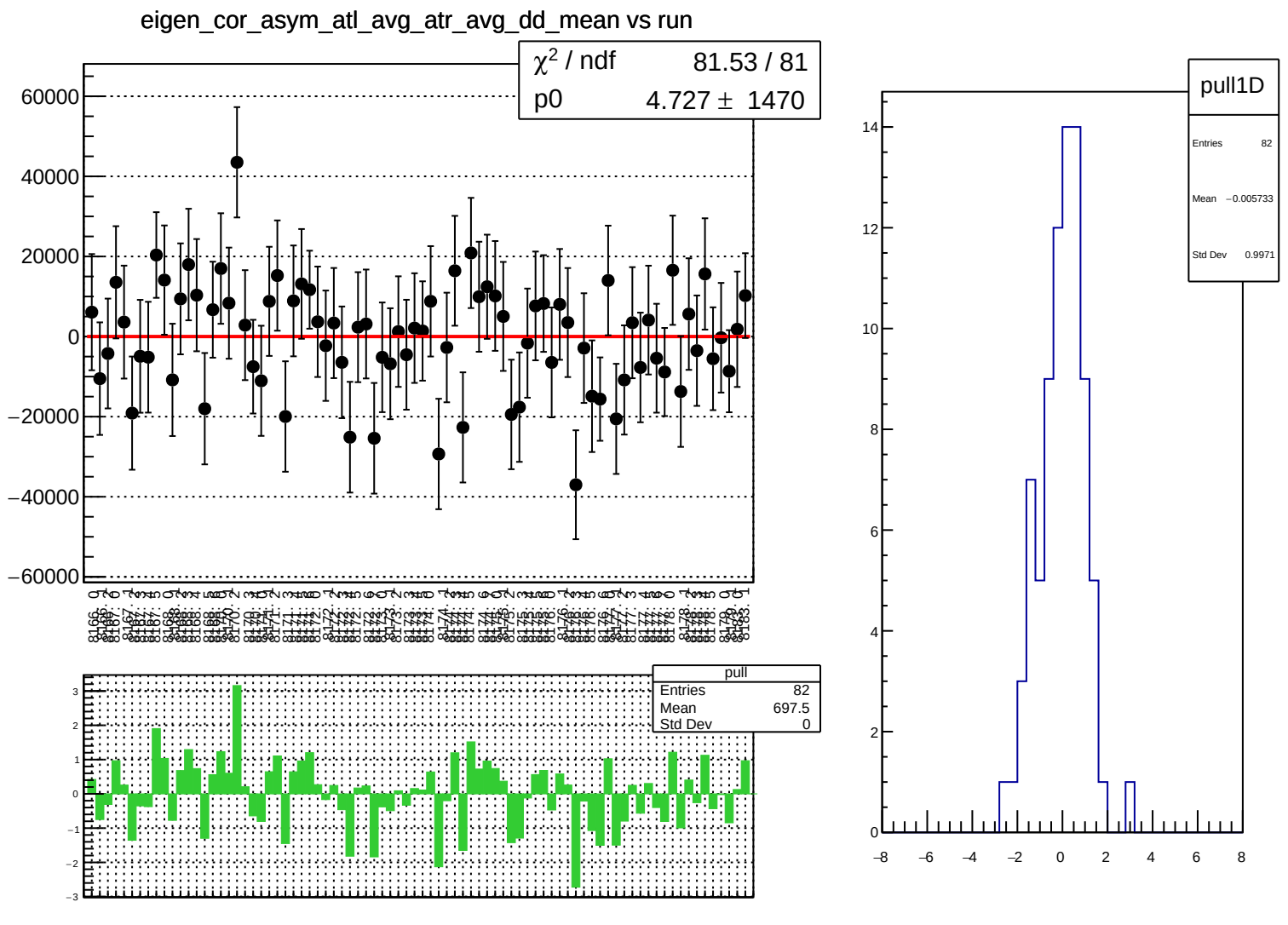
cor_asym_atl_avg_atr_avg_dd_rms vs run

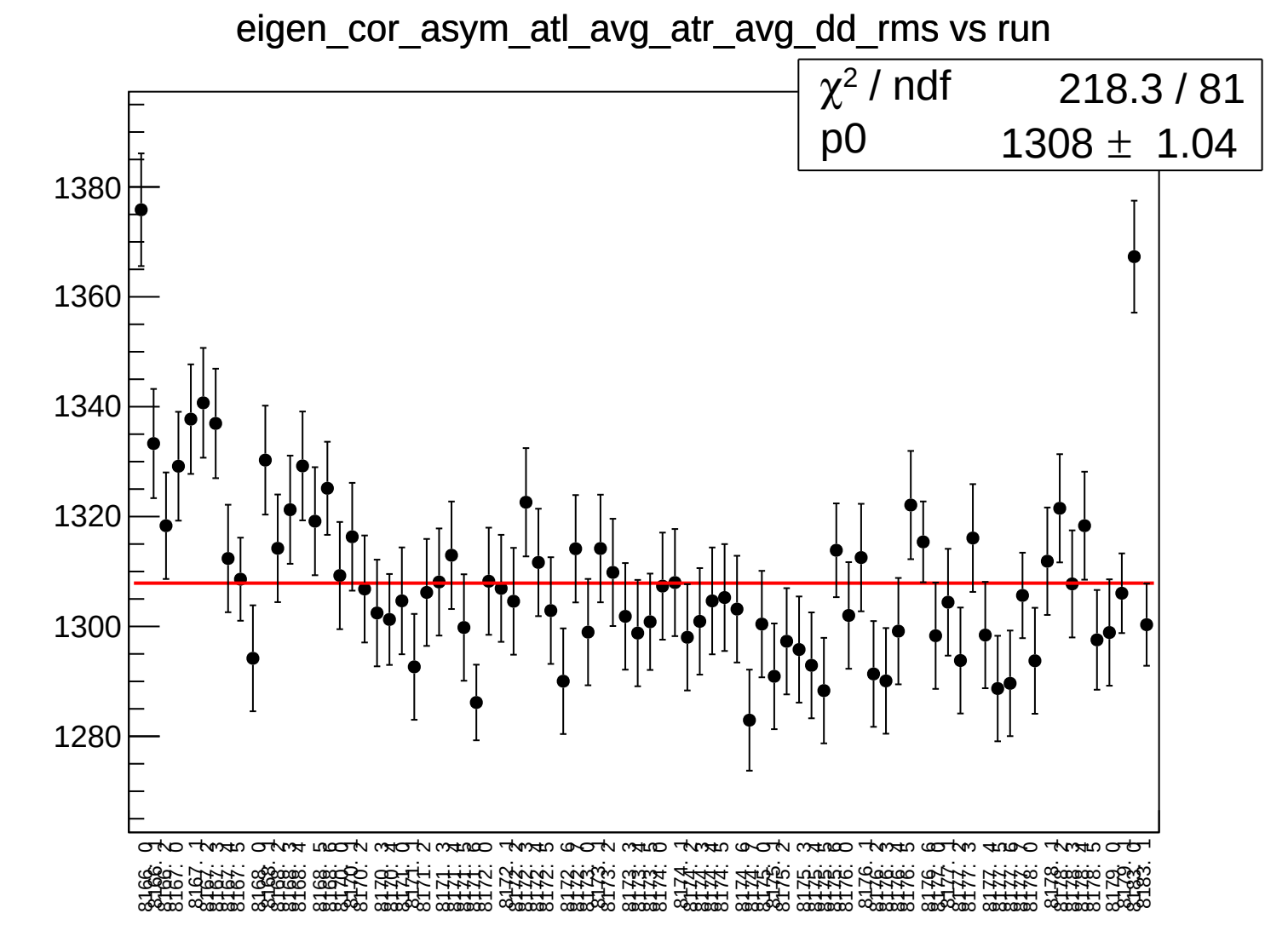


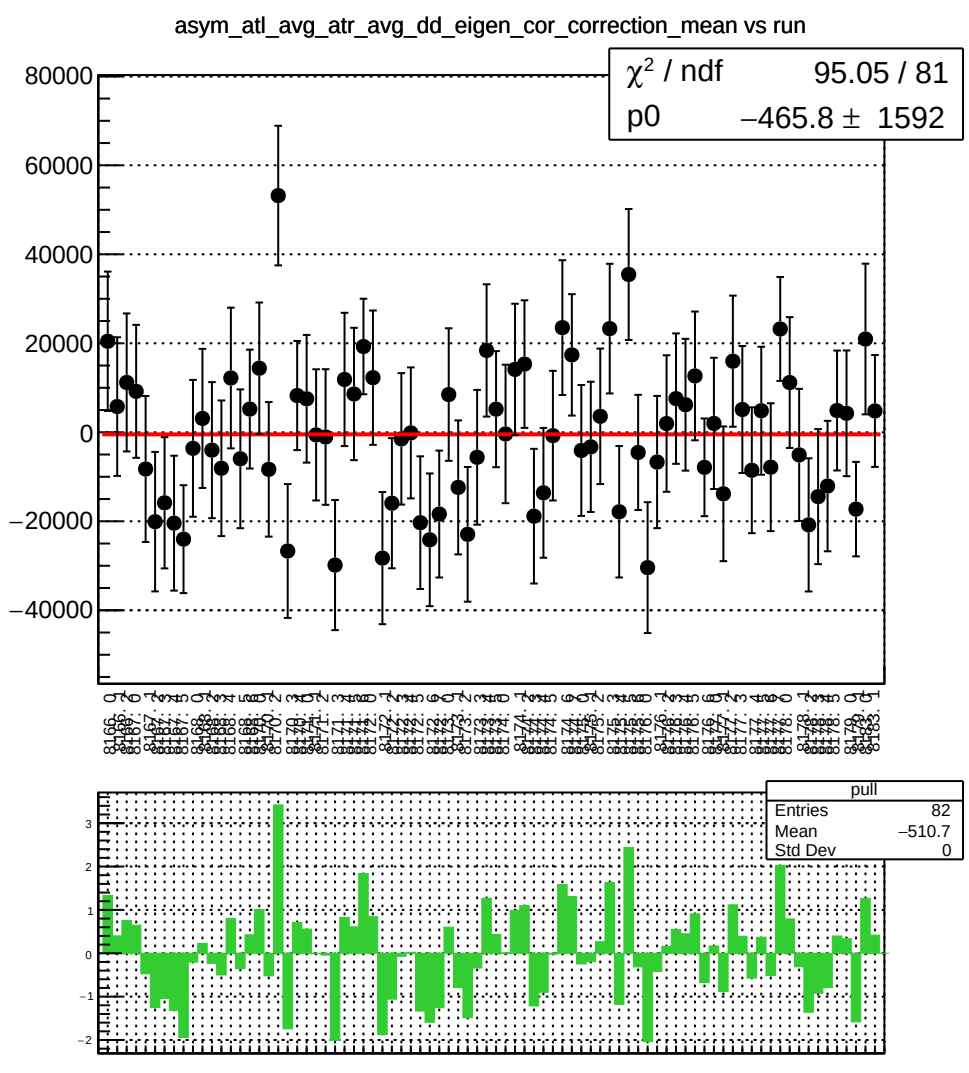

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 95.05 / 81
p0 −465.8 ± 1592
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −510.7
Std Dev 0
3
2
1
0
−1
−2

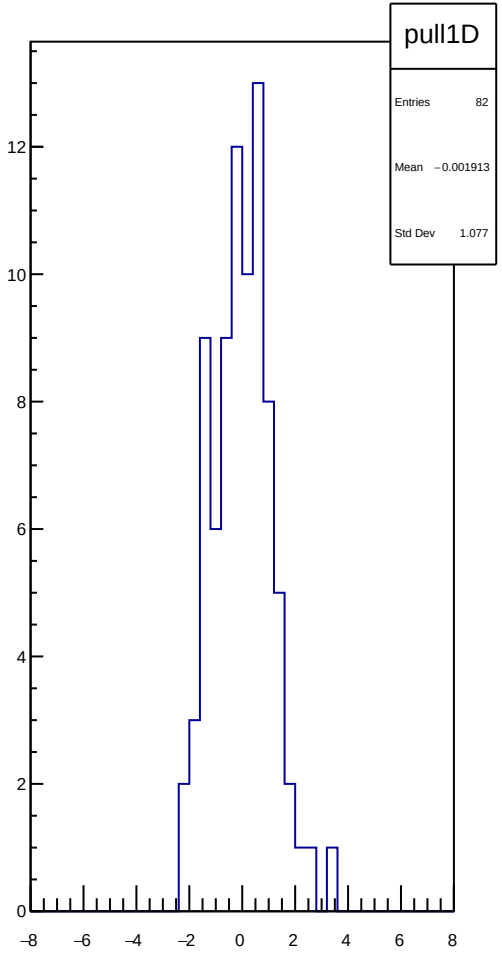

pull1D
Entries 82
Mean −0.001913
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

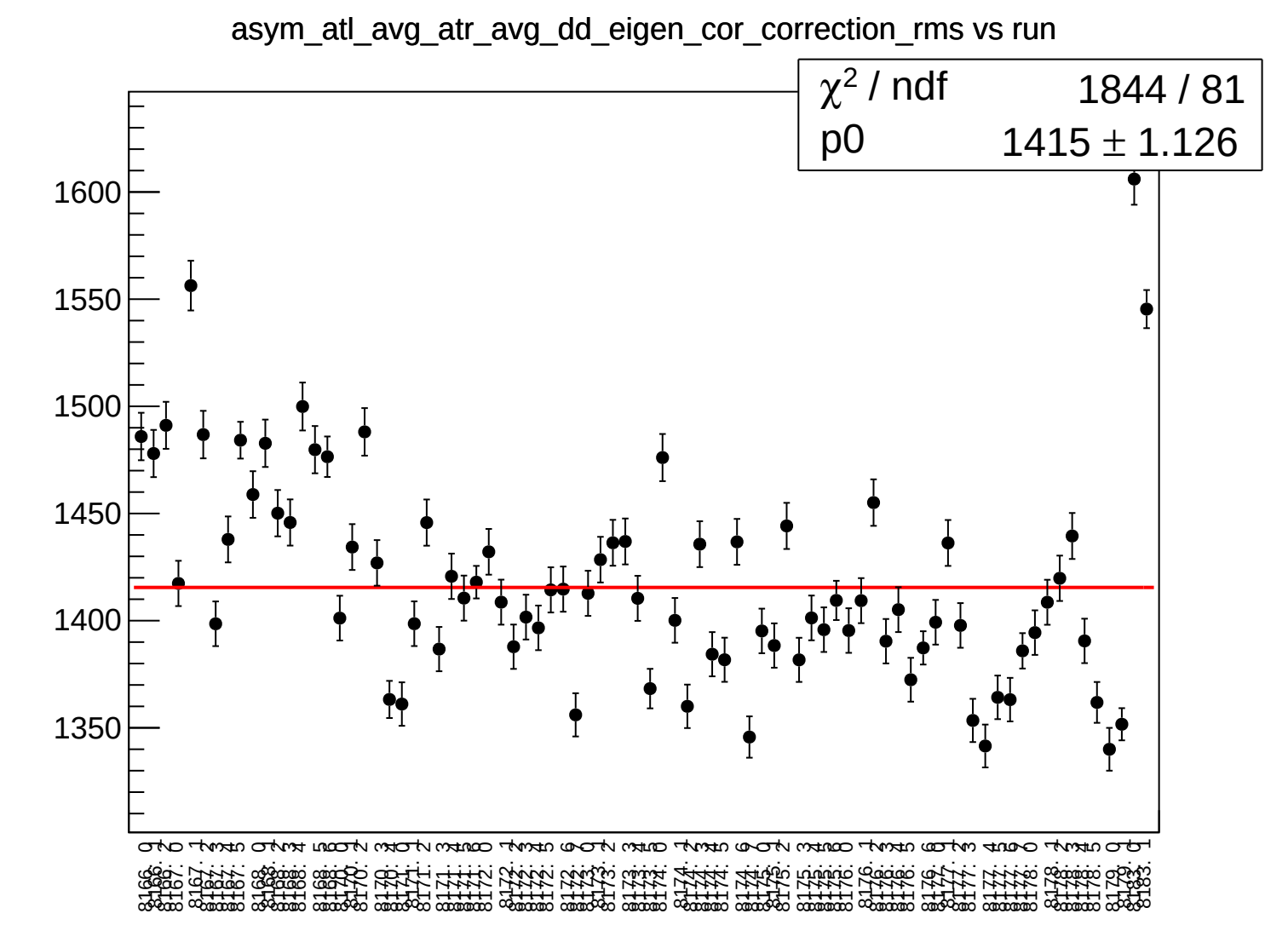

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 1844 / 81
p0 1415 ± 1.126
1600
1550
1500
1450
1400
1350

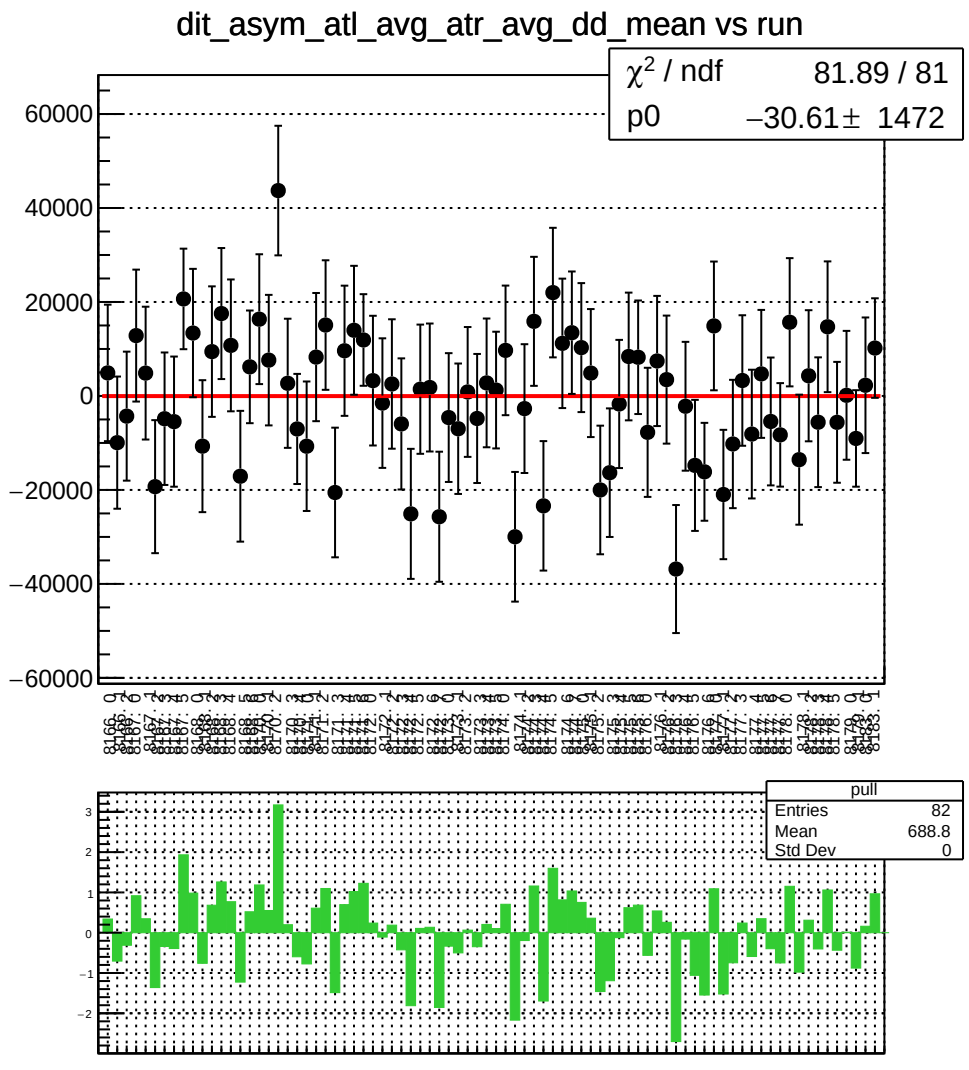

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.53 / 81
p0 4.727 ± 1470
pull
Entries 82
Mean 697.5
Std Dev 0
pull1D
Entries 82
Mean −0.005733
Std Dev 0.9971

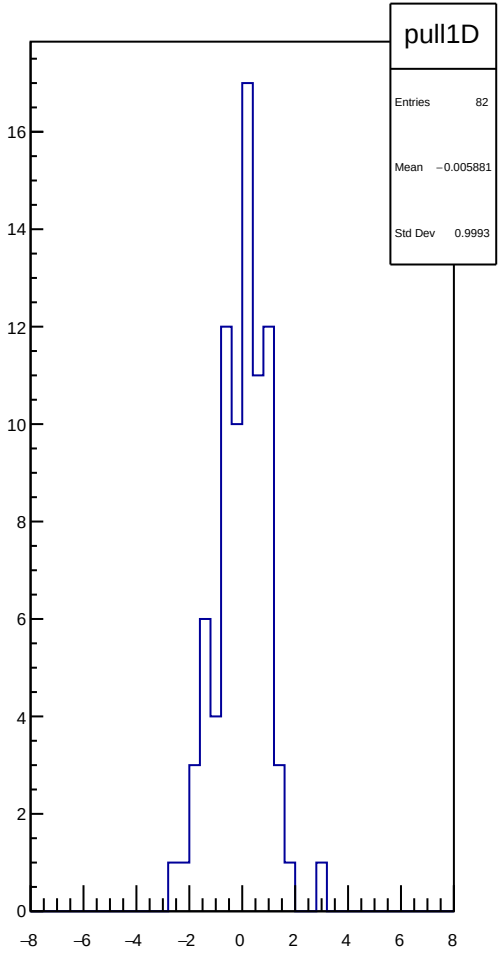

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 218.3 / 81
p0 1308 ± 1.04
1380
1360
1340
1320
1300
1280

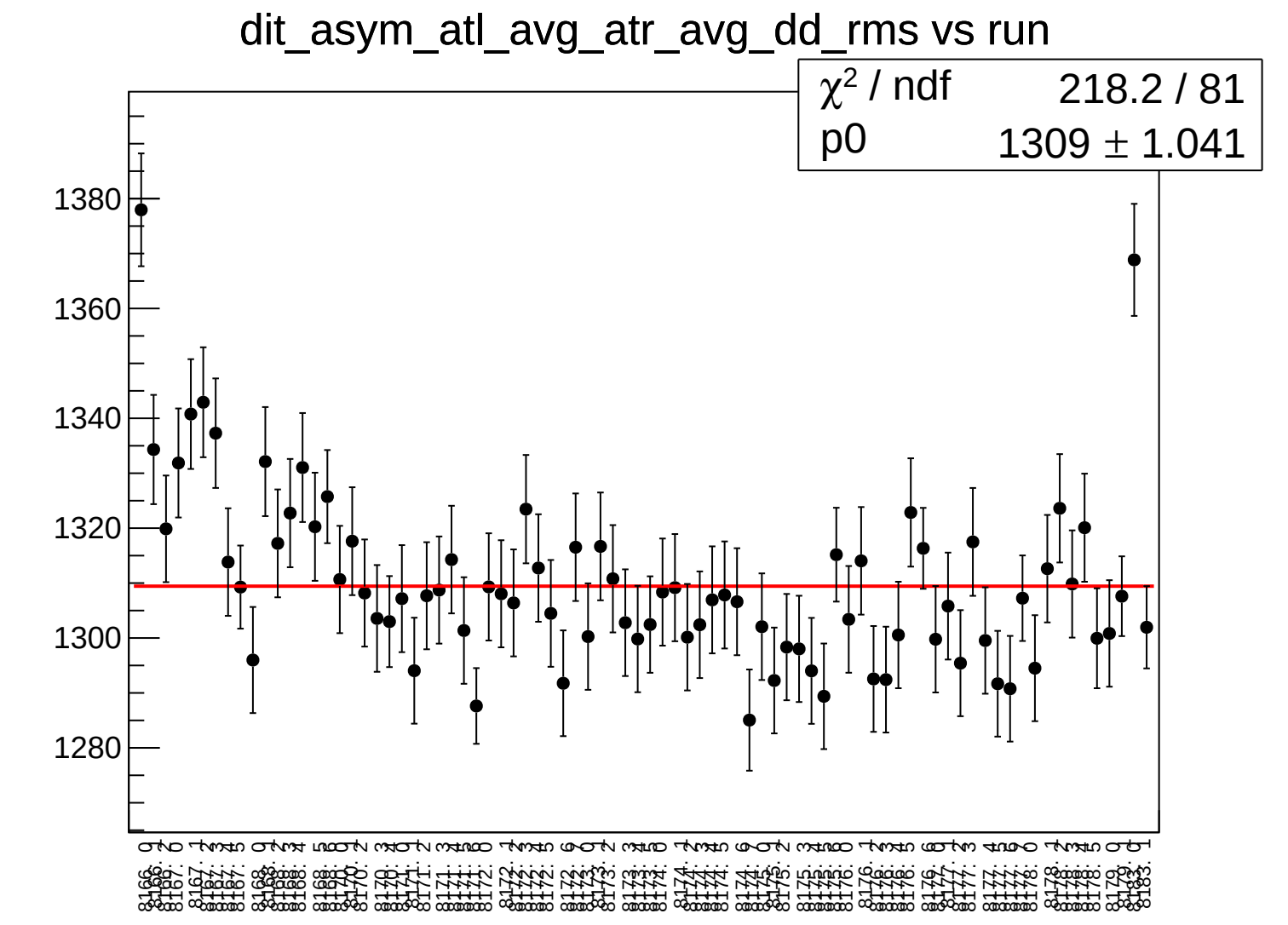

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 95.05 / 81
p0 −465.8 ± 1592
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −510.7
Std Dev 0
3
2
1
0
−1
−2

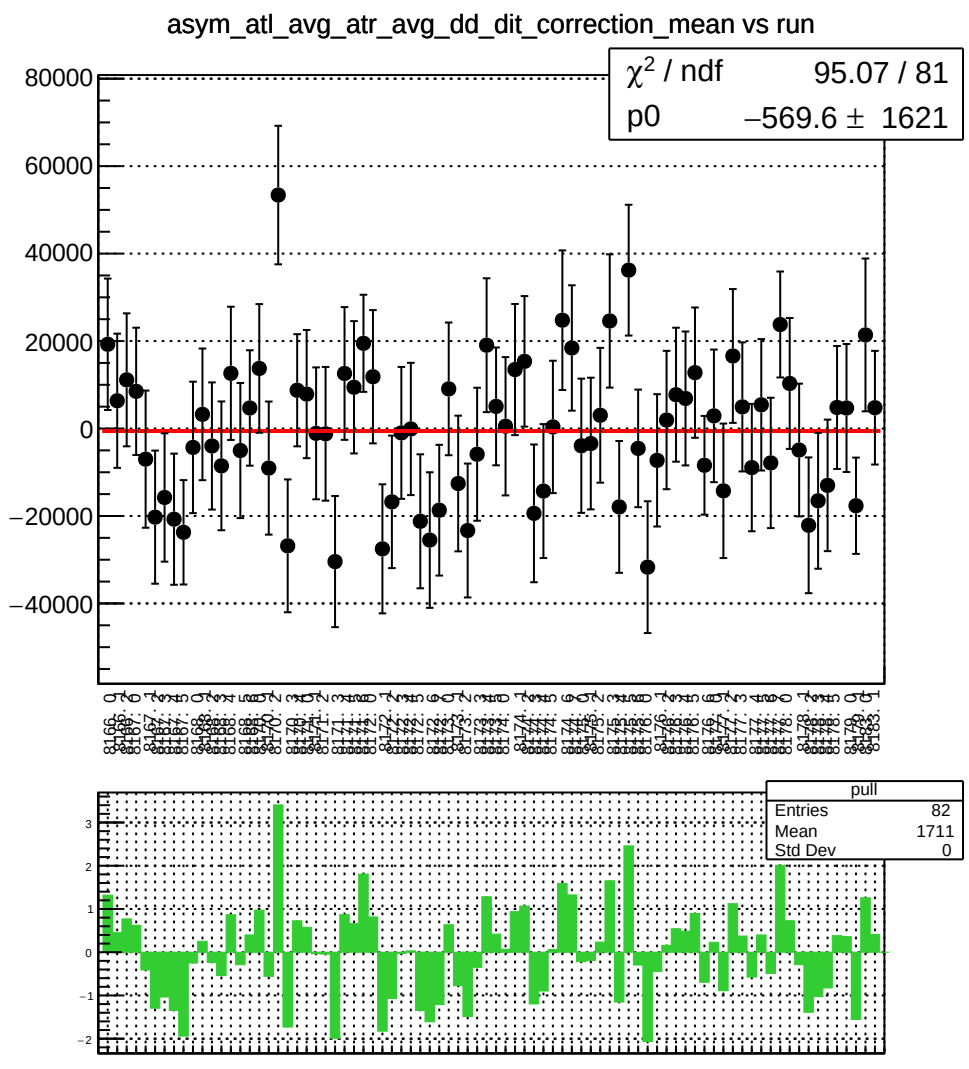

pull1D
Entries 82
Mean −0.001913
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

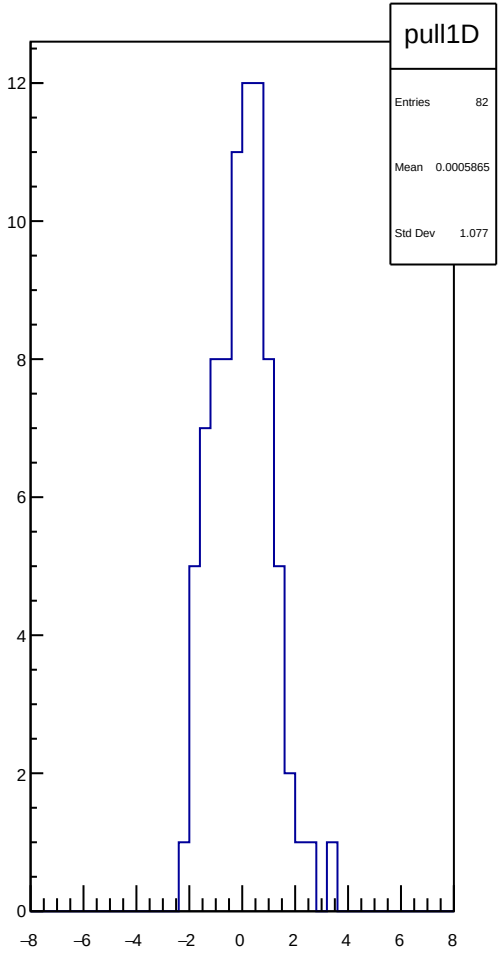

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1844 / 81
p0 1415 ± 1.126
1600
1550
1500
1450
1400
1350

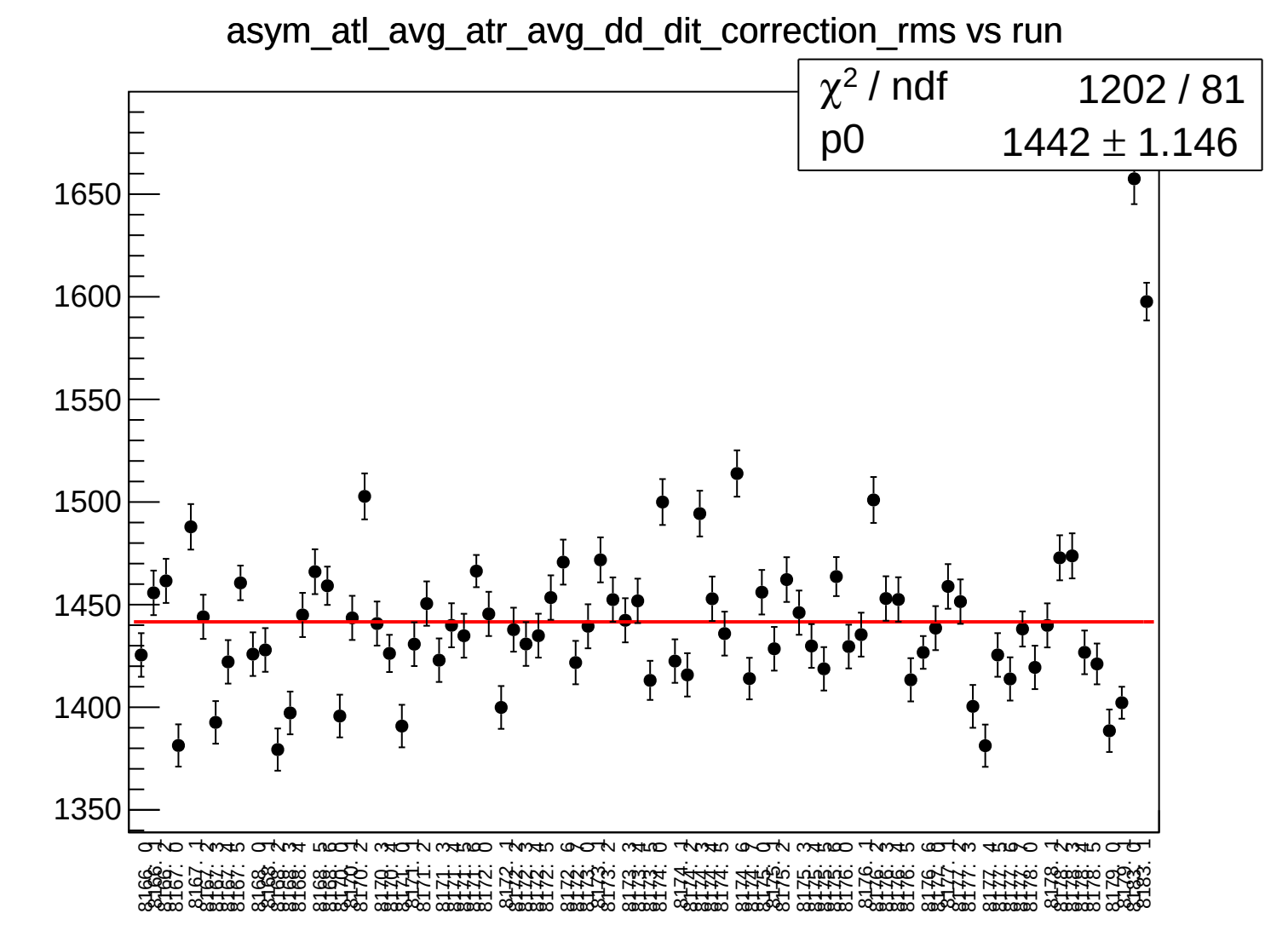

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.89 / 81
p0 −30.61± 1472
pull
Entries 82
Mean 688.8
Std Dev 0

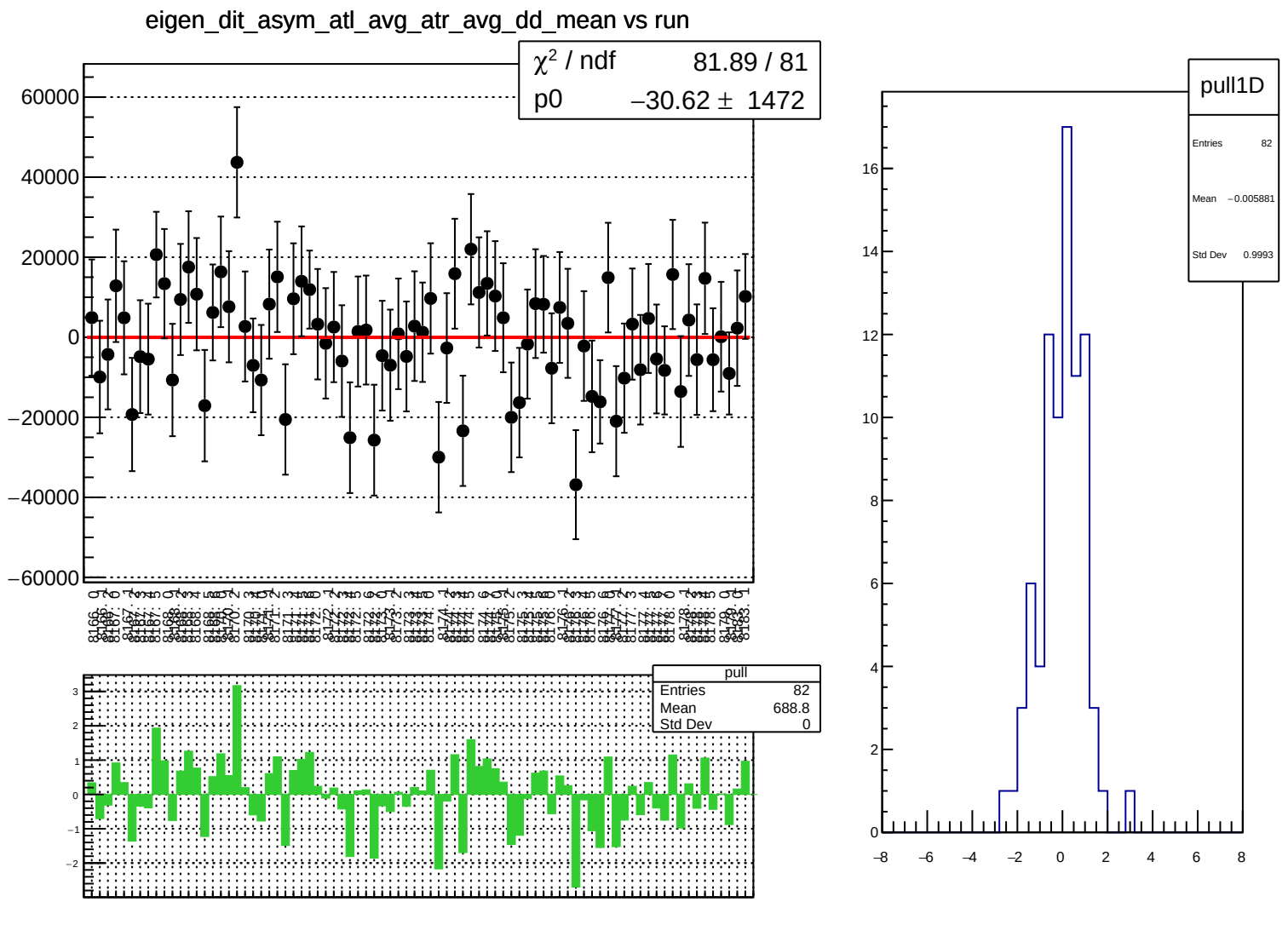

pull1D
Entries 82
Mean −0.005881
Std Dev 0.9993

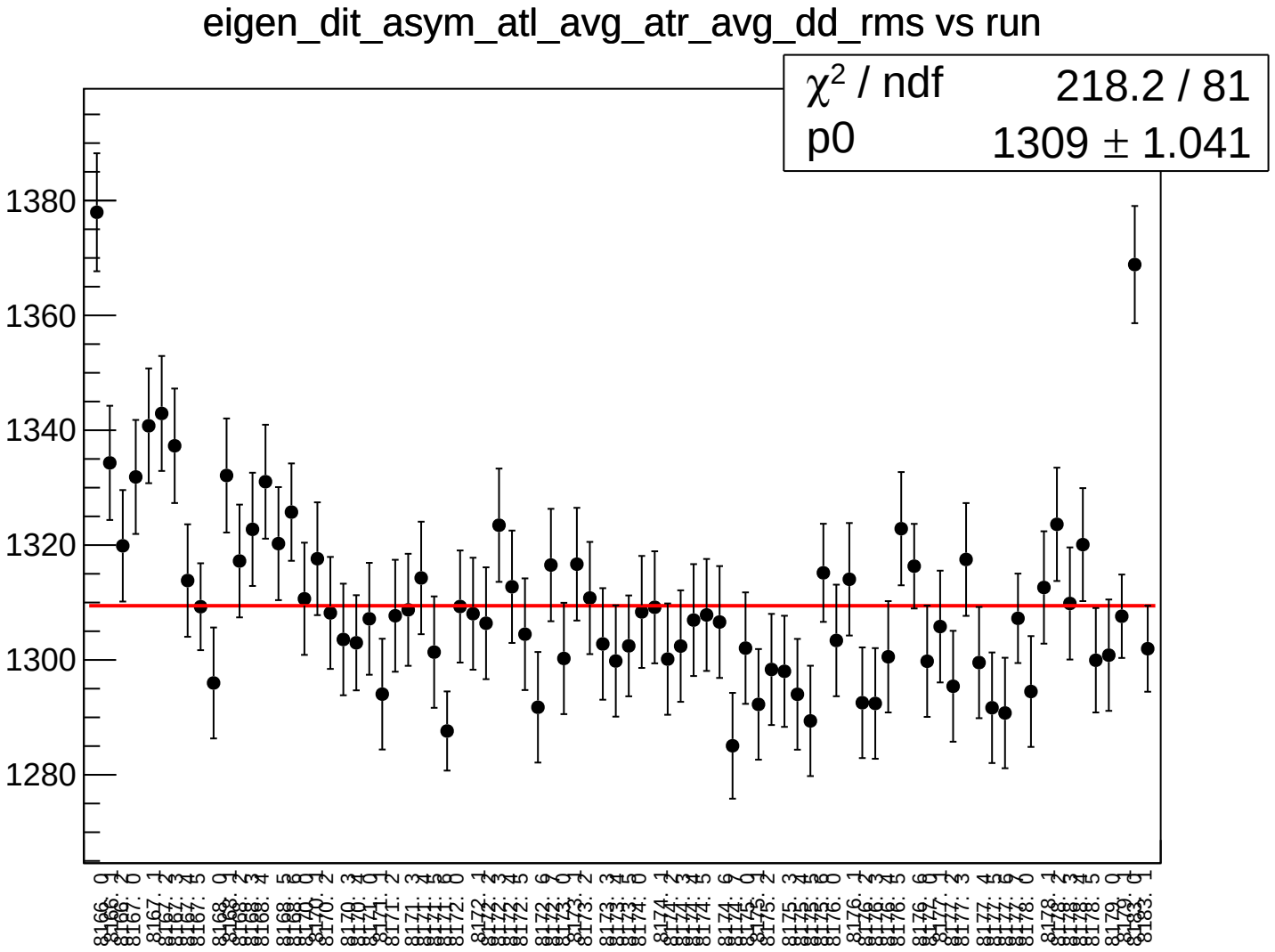

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 218.2 / 81
p0 1309 ± 1.041
1380
1360
1340
1320
1300
1280

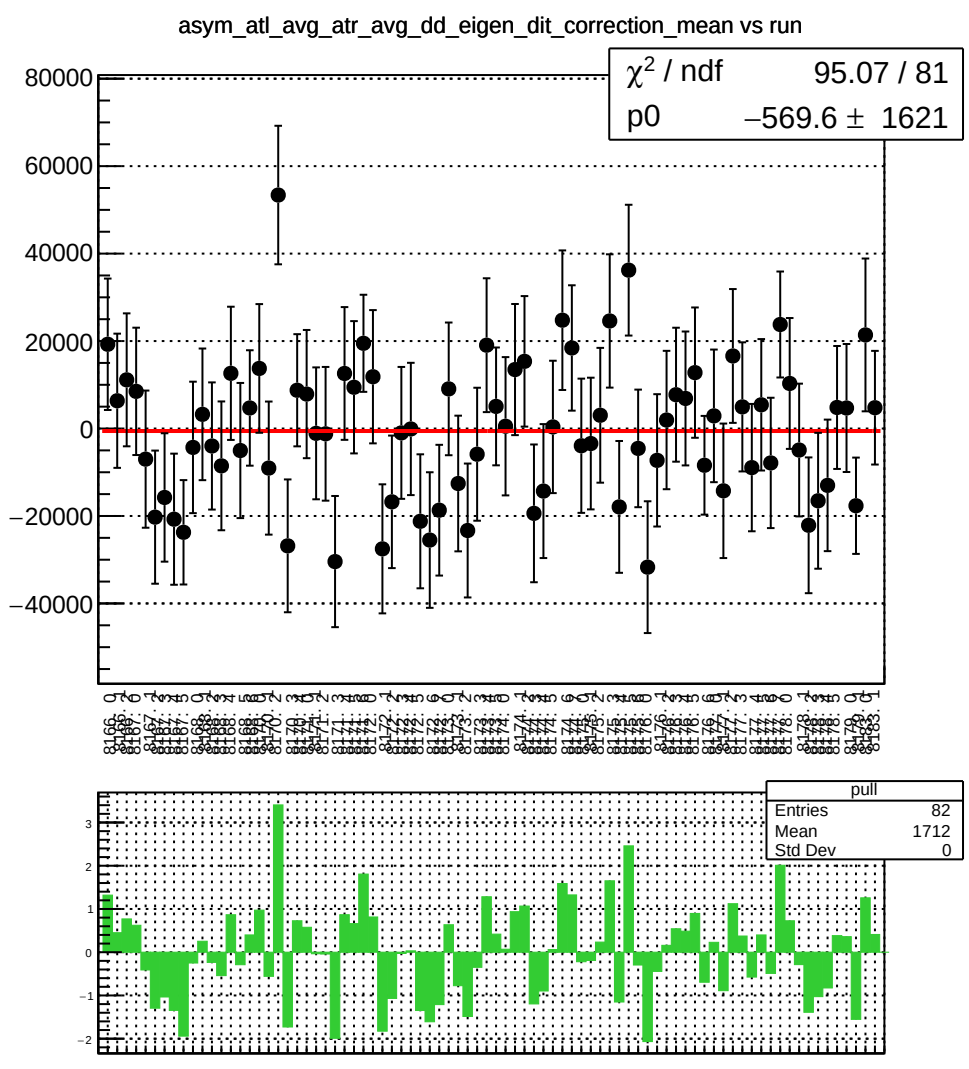

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 95.07 / 81
p0 −569.6 ± 1621
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 1711
Std Dev 0
3
2
1
0
−1
−2

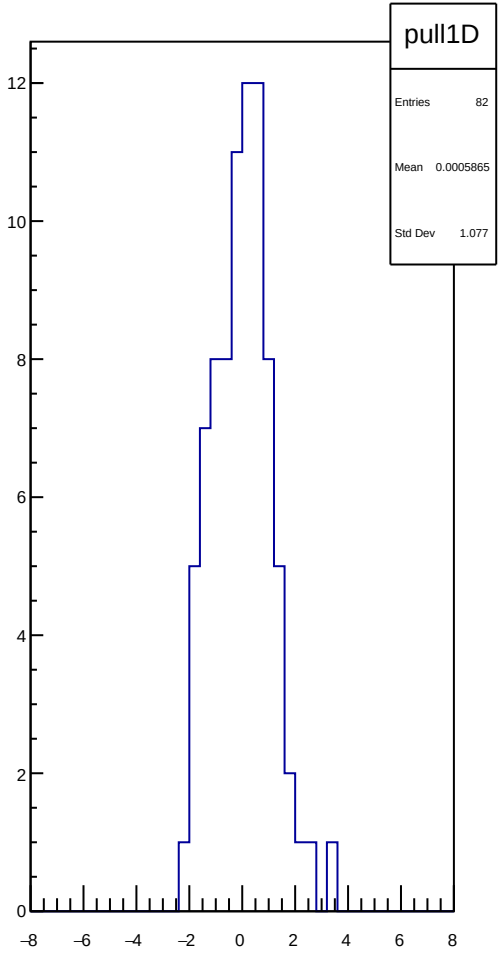

pull1D
Entries 82
Mean 0.0005865
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

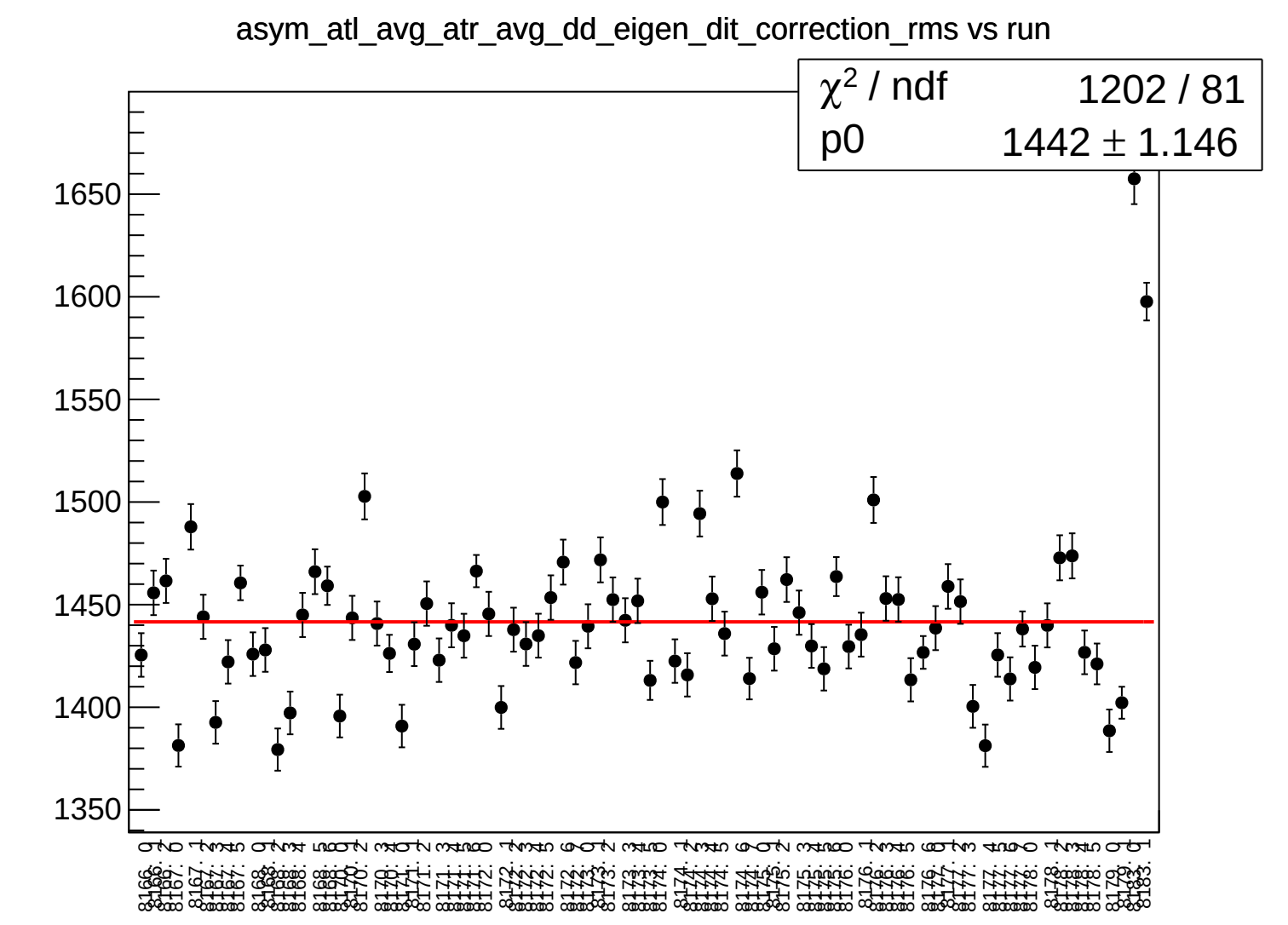

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 1202 / 81
p0 1442 ± 1.146
1650
1600
1550
1500
1450
1400
1350

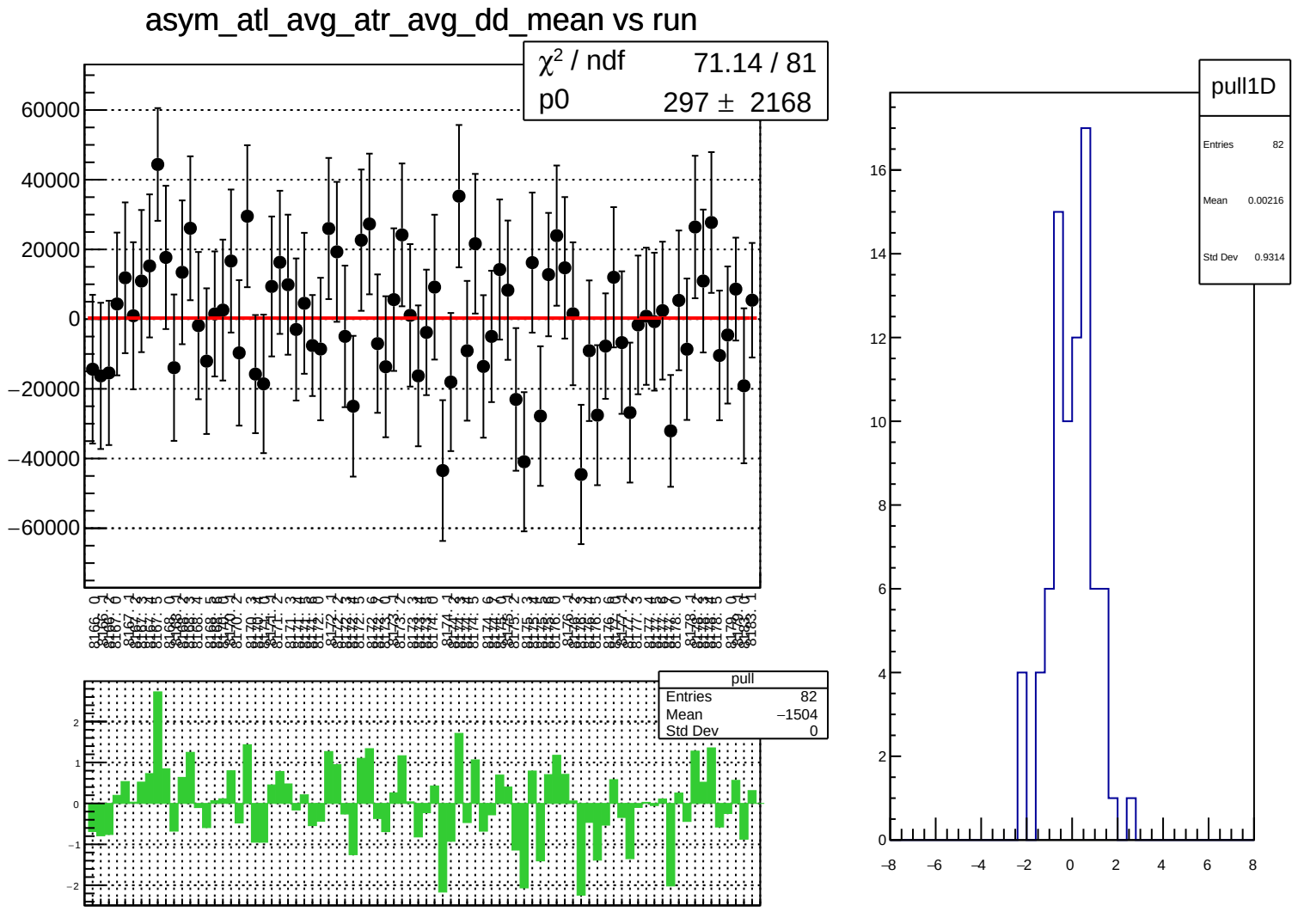

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.89 / 81
p0 −30.62 ± 1472
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 688.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.005881
Std Dev 0.9993
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

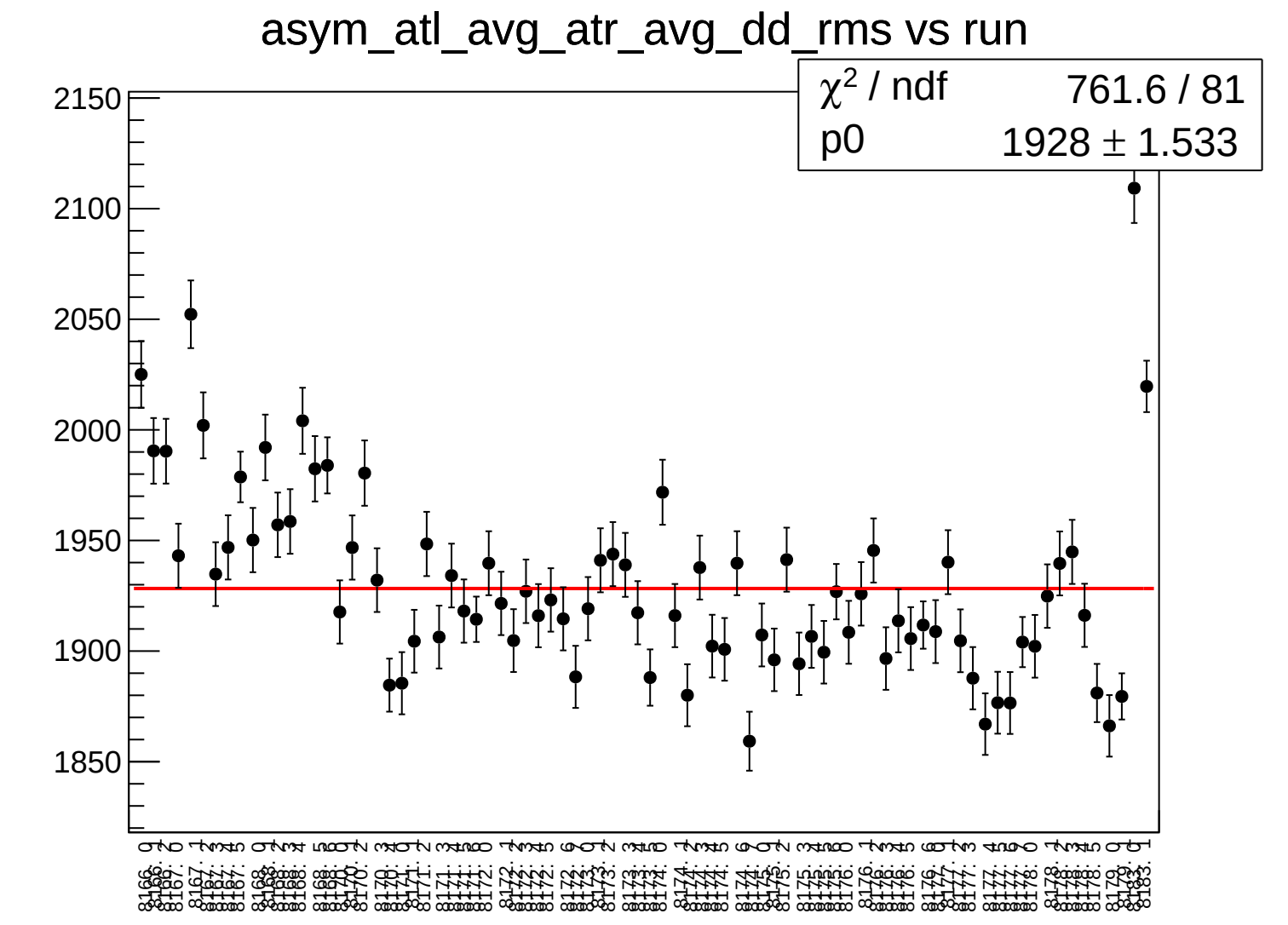

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 218.2 / 81
p0 1309 ± 1.041
1380
1360
1340
1320
1300
1280

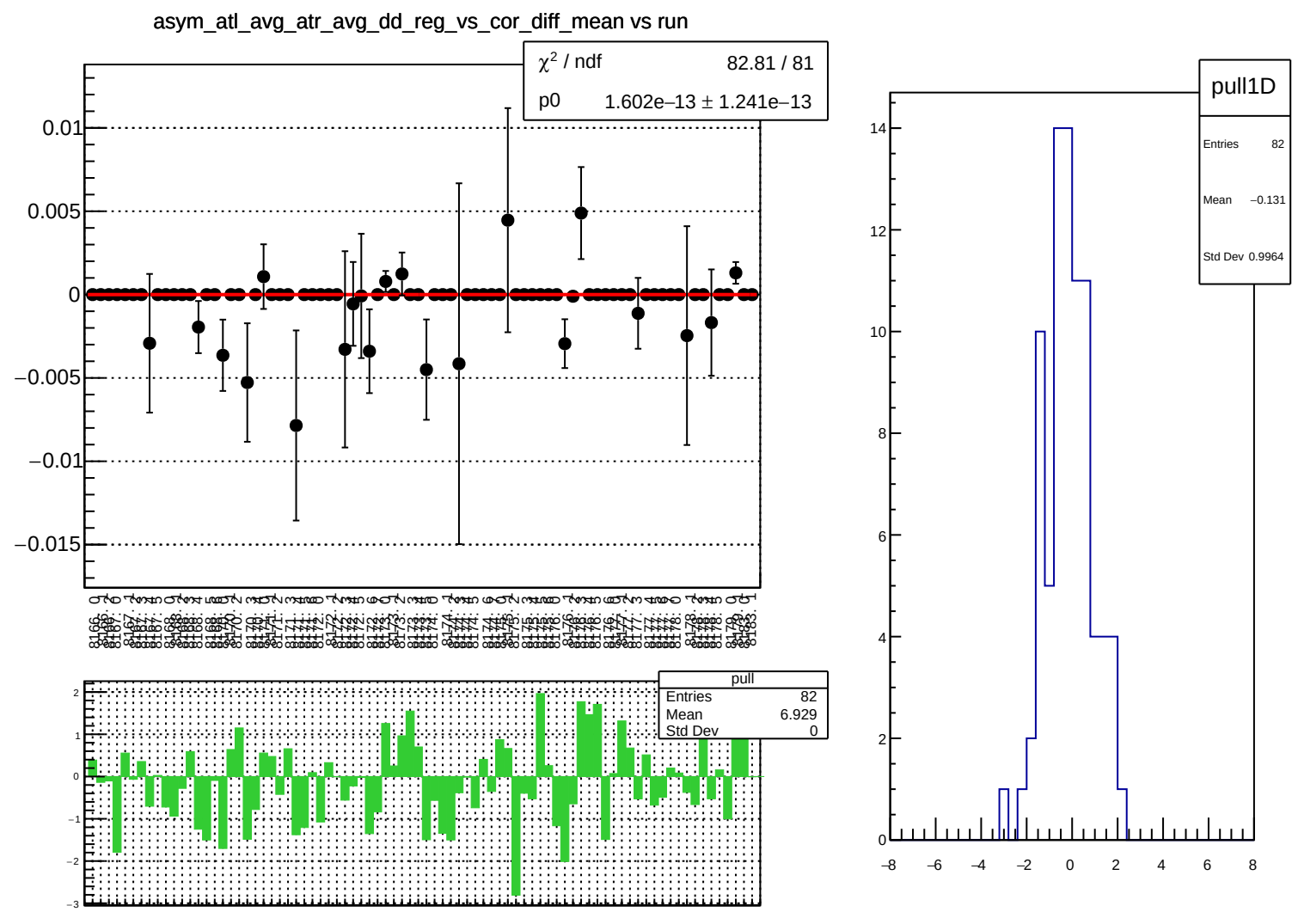

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 95.07 / 81
p0 −569.6 ± 1621
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 1712
Std Dev 0
3
2
1
0
−1
−2

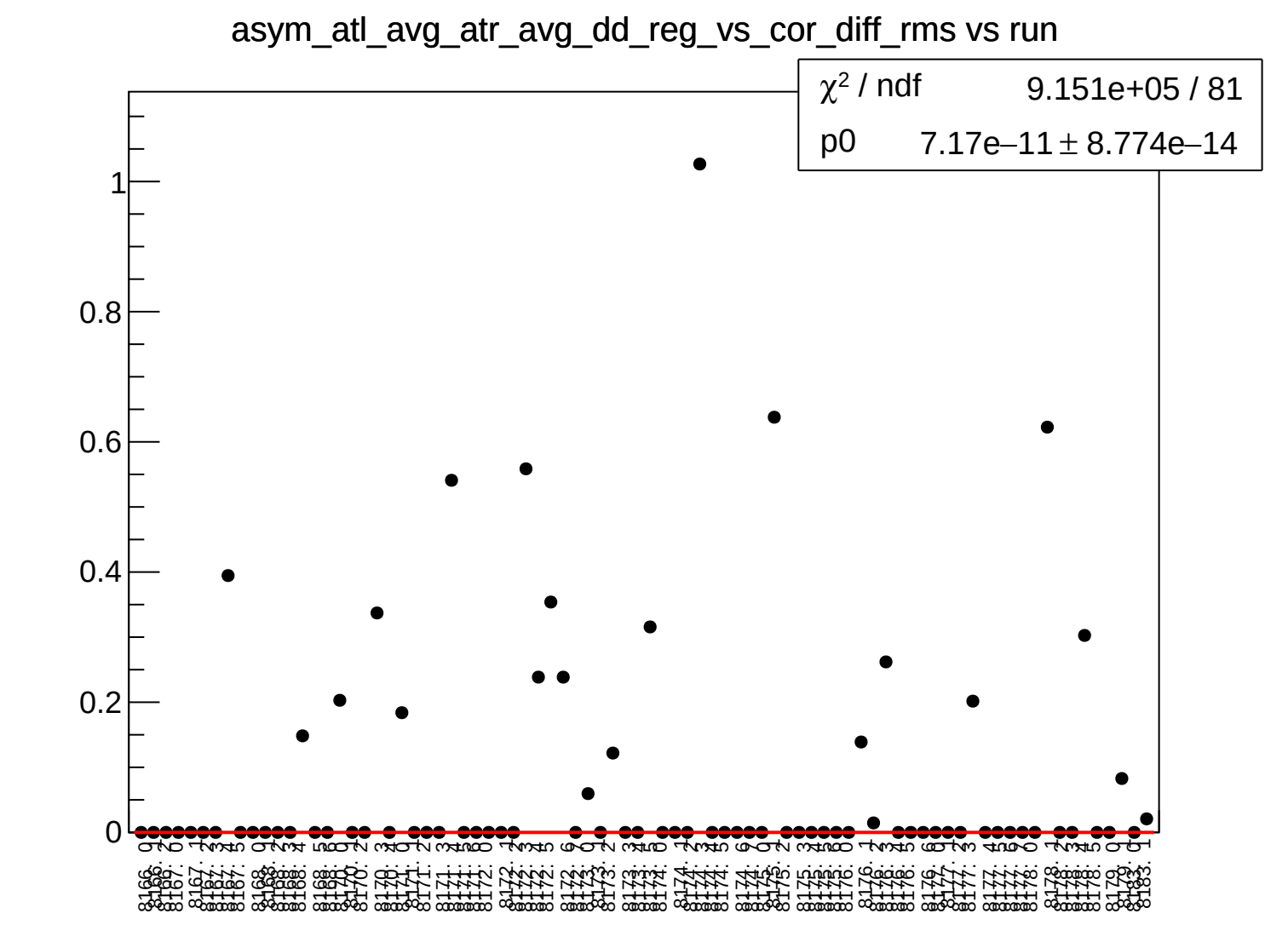

pull1D
Entries 82
Mean 0.0005865
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

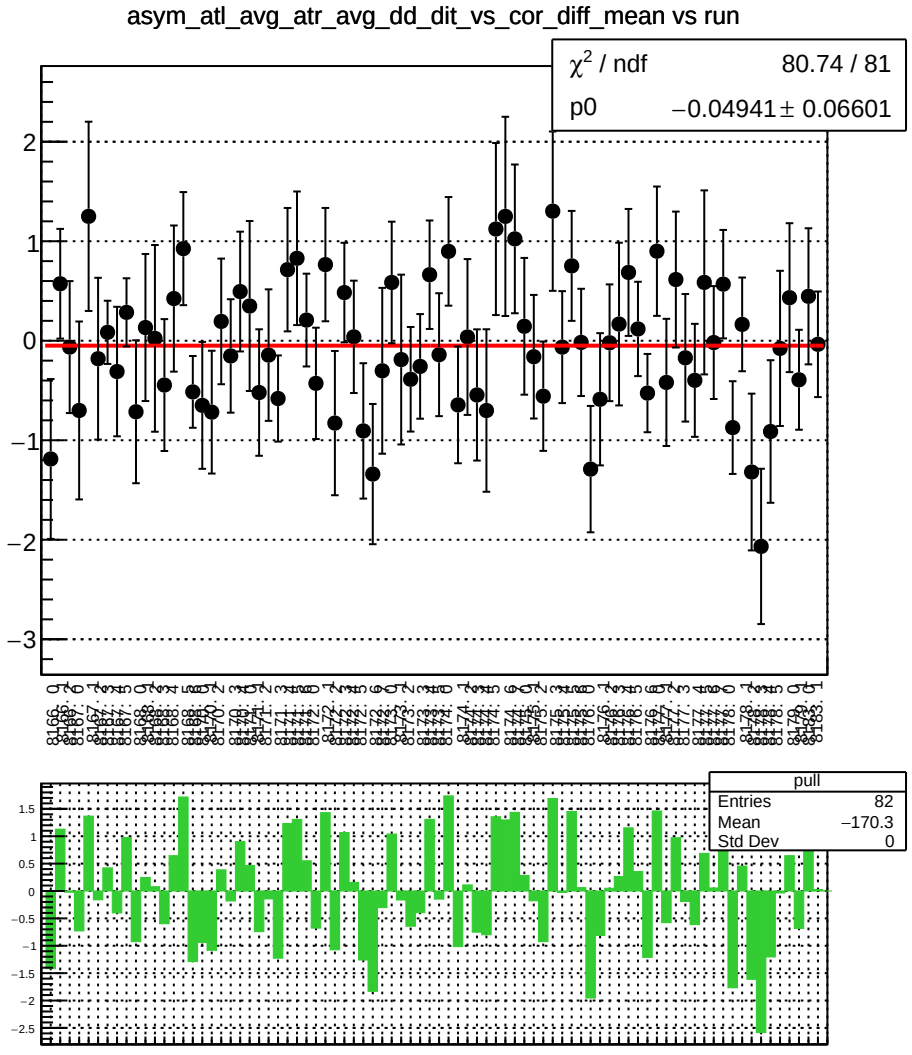

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1202 / 81
p0 1442 ± 1.146
1650
1600
1550
1500
1450
1400
1350

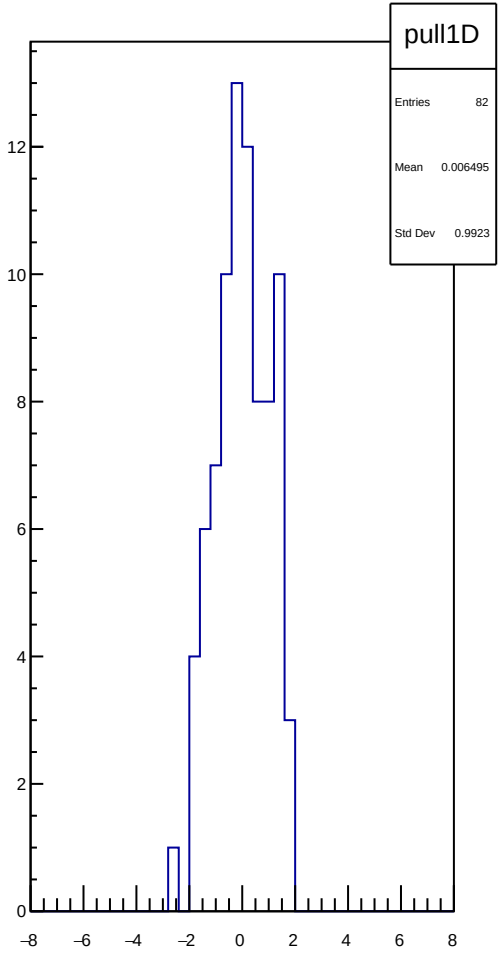

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 71.14 / 81
p0 297 ± 2168
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1504
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.00216
Std Dev 0.9314
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

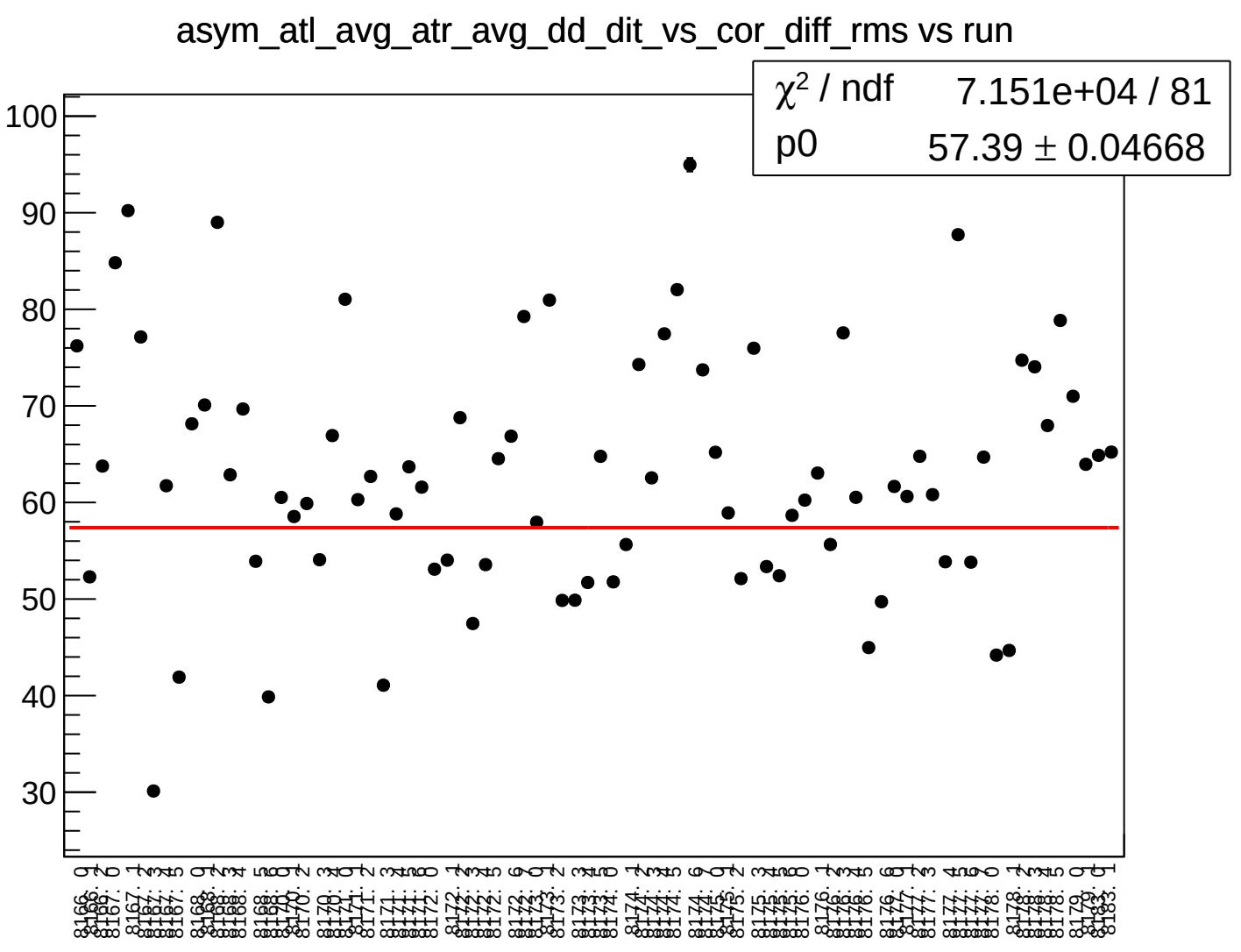

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 761.6 / 81
p0 1928 ± 1.533
2150
2100
2050
2000
1950
1900
1850

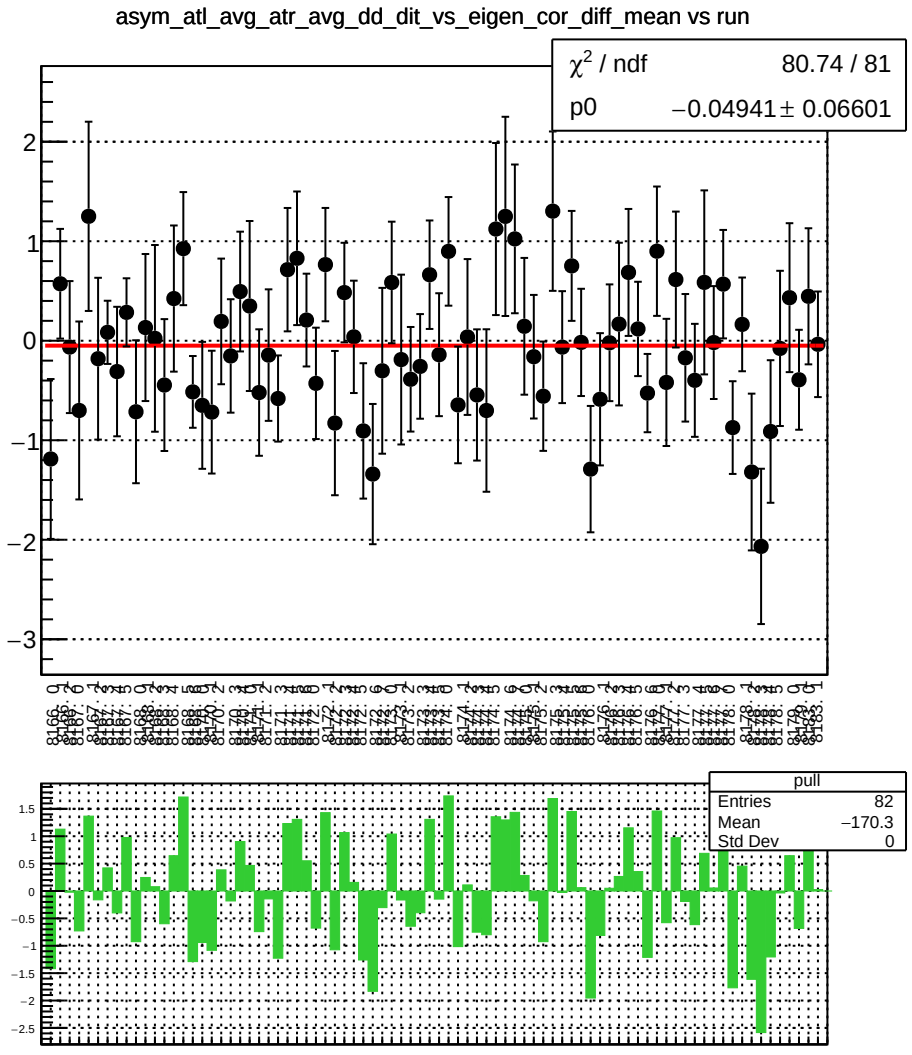

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 81
p0 1.602e−13 ± 1.241e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 82
Mean 6.929
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.131
Std Dev 0.9964
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

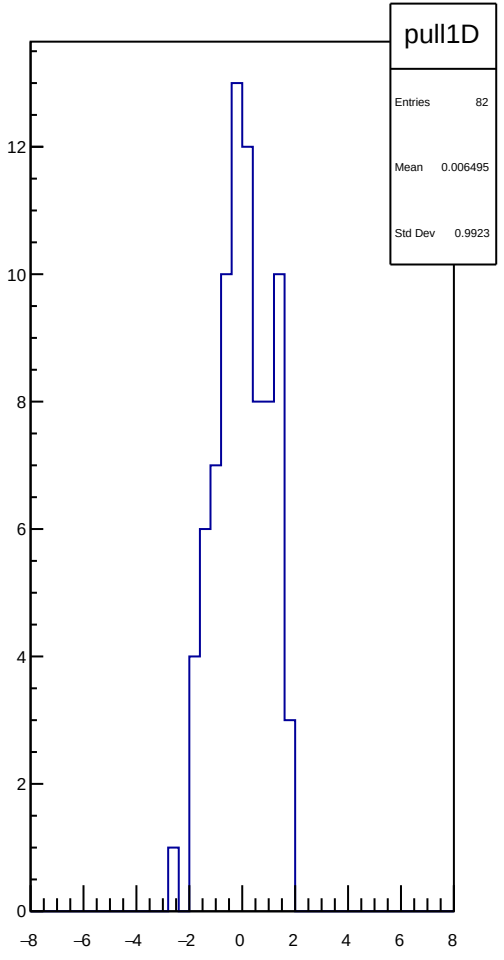

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.151e+05 / 81
p0 7.17e−11 ± 8.774e−14
1
0.8
0.6
0.4
0.2
0

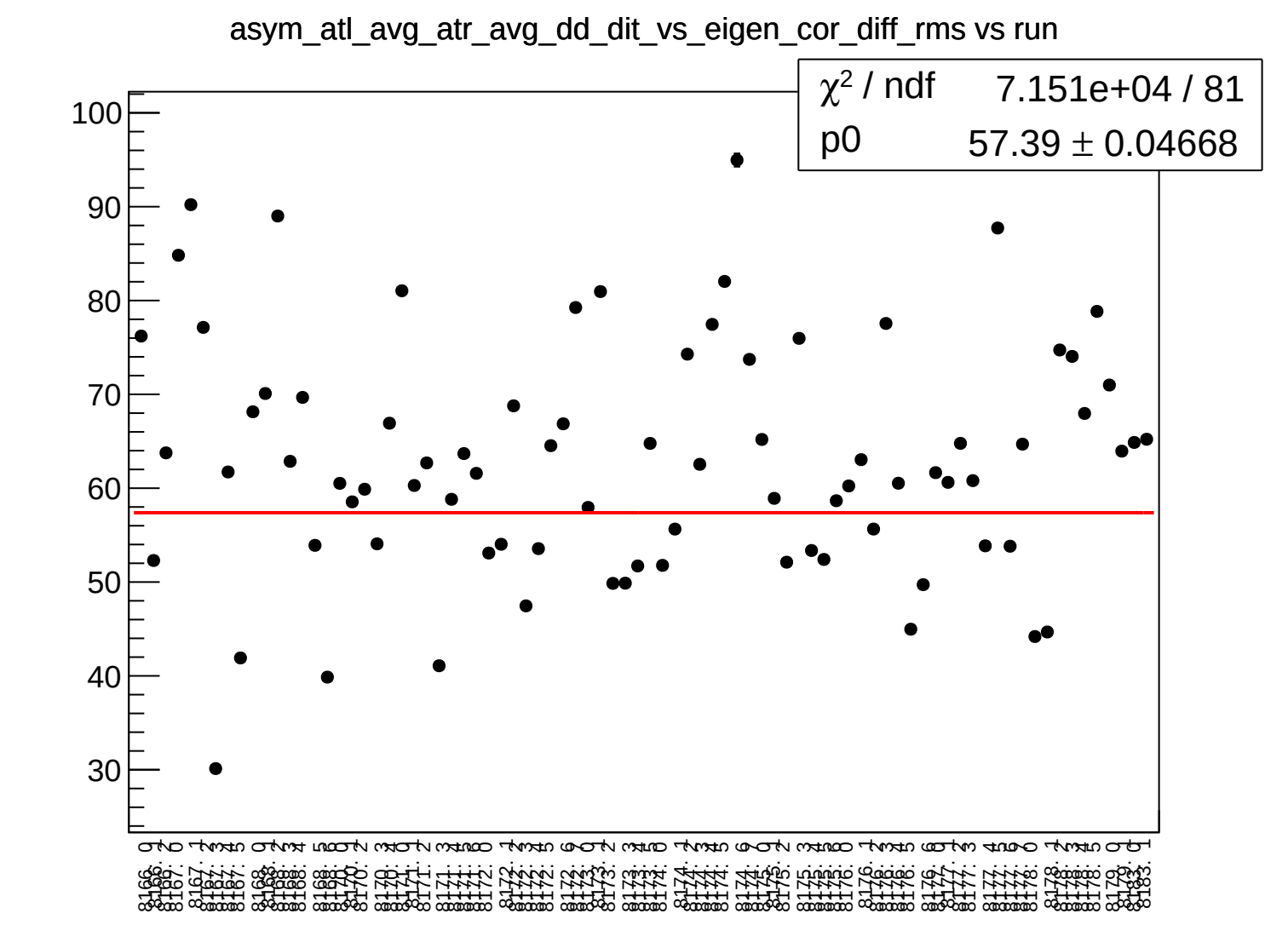

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04941 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

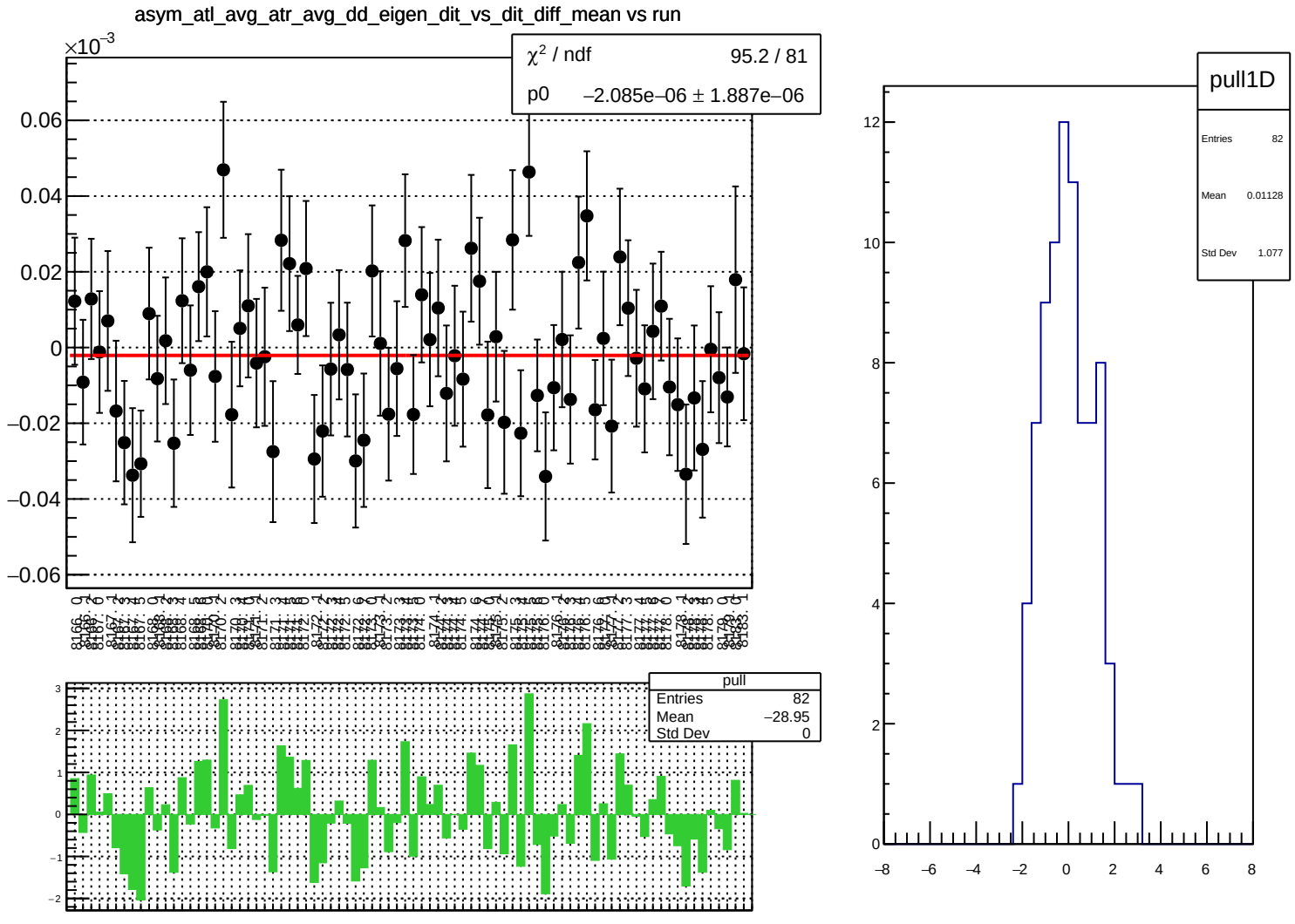

pull1D
Entries 82
Mean 0.006495
Std Dev 0.9923

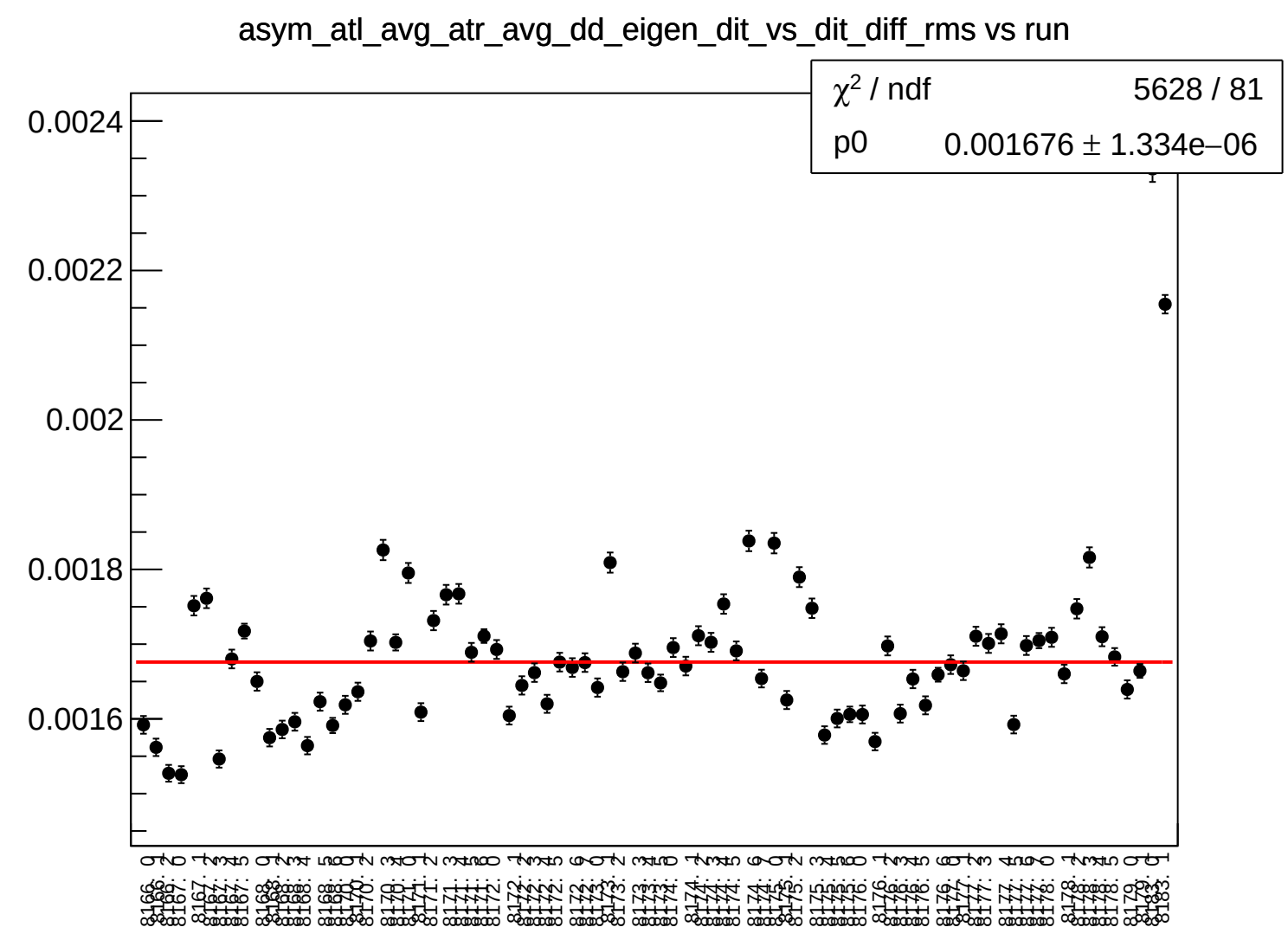

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

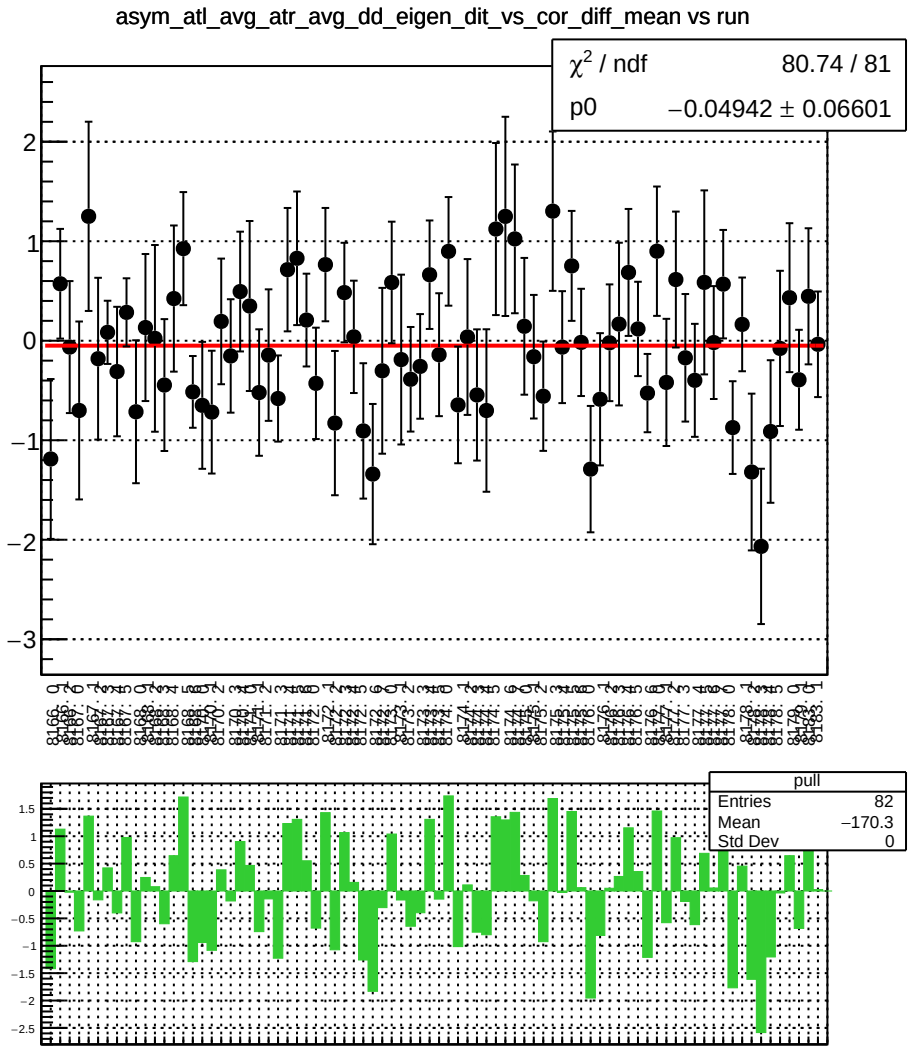

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04941 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

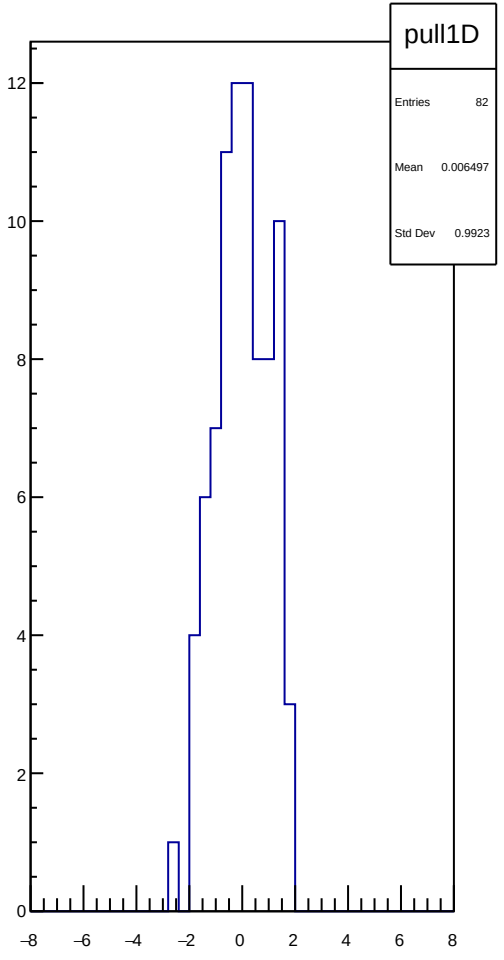

pull1D
Entries 82
Mean 0.006495
Std Dev 0.9923

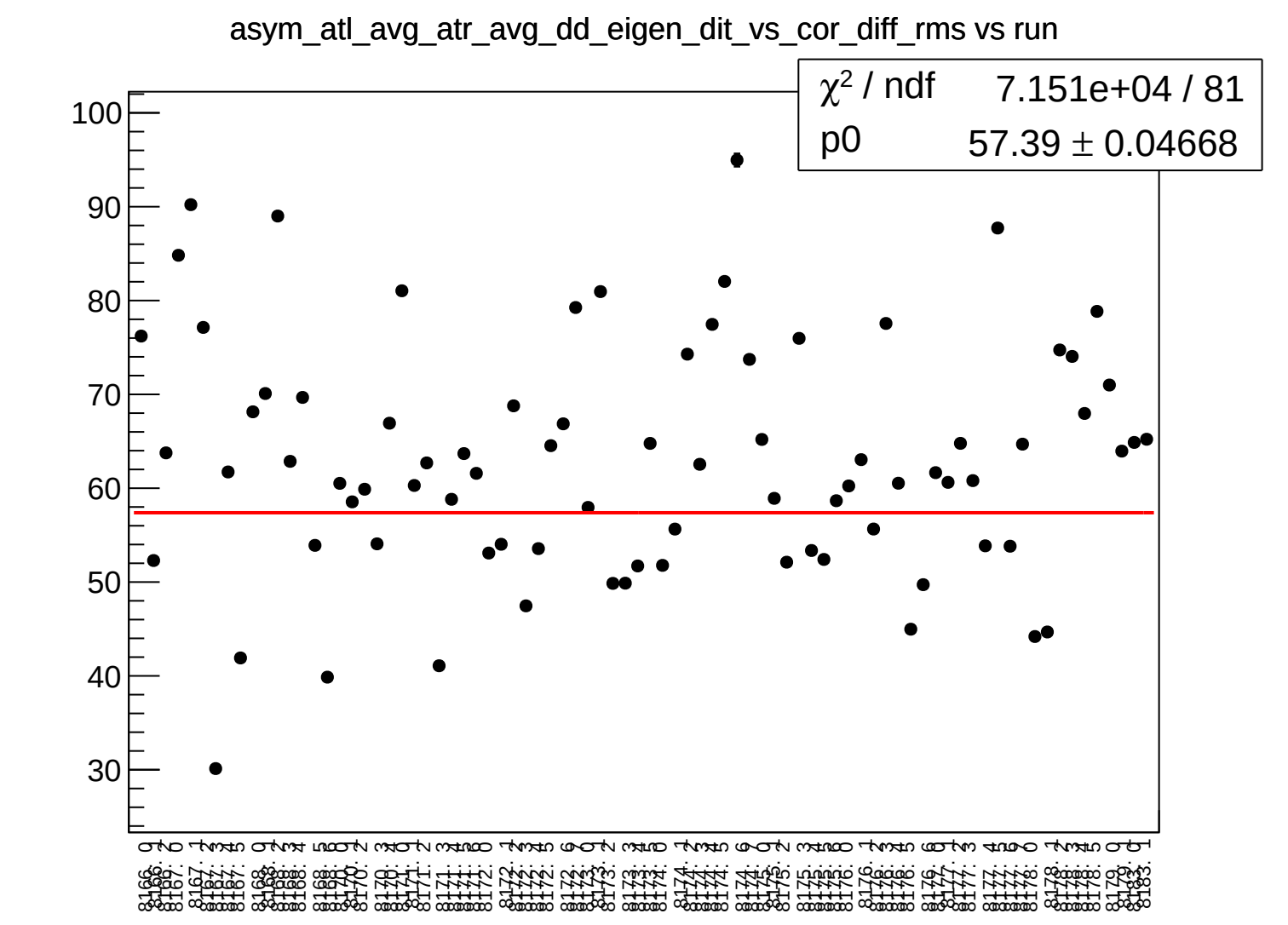

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

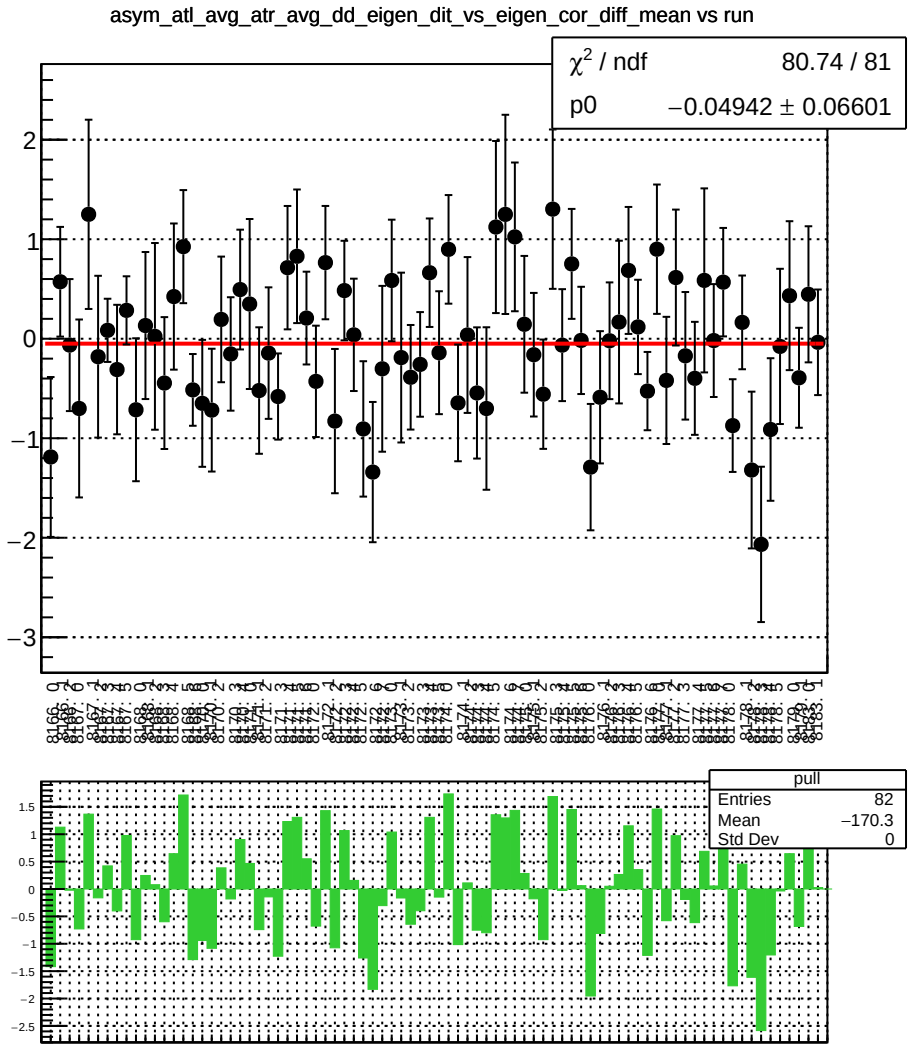

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.2 / 81
p0 −2.085e−06 ± 1.887e−06
pull
Entries 82
Mean −28.95
Std Dev 0
pull1D
Entries 82
Mean 0.01128
Std Dev 1.077

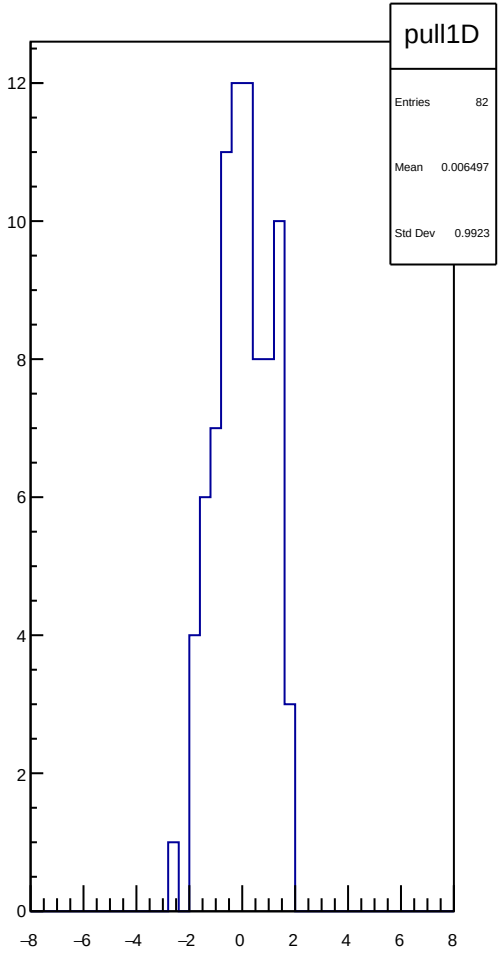

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5628 / 81
p0 0.001676 ± 1.334e−06
0.0024
0.0022
0.002
0.0018
0.0016

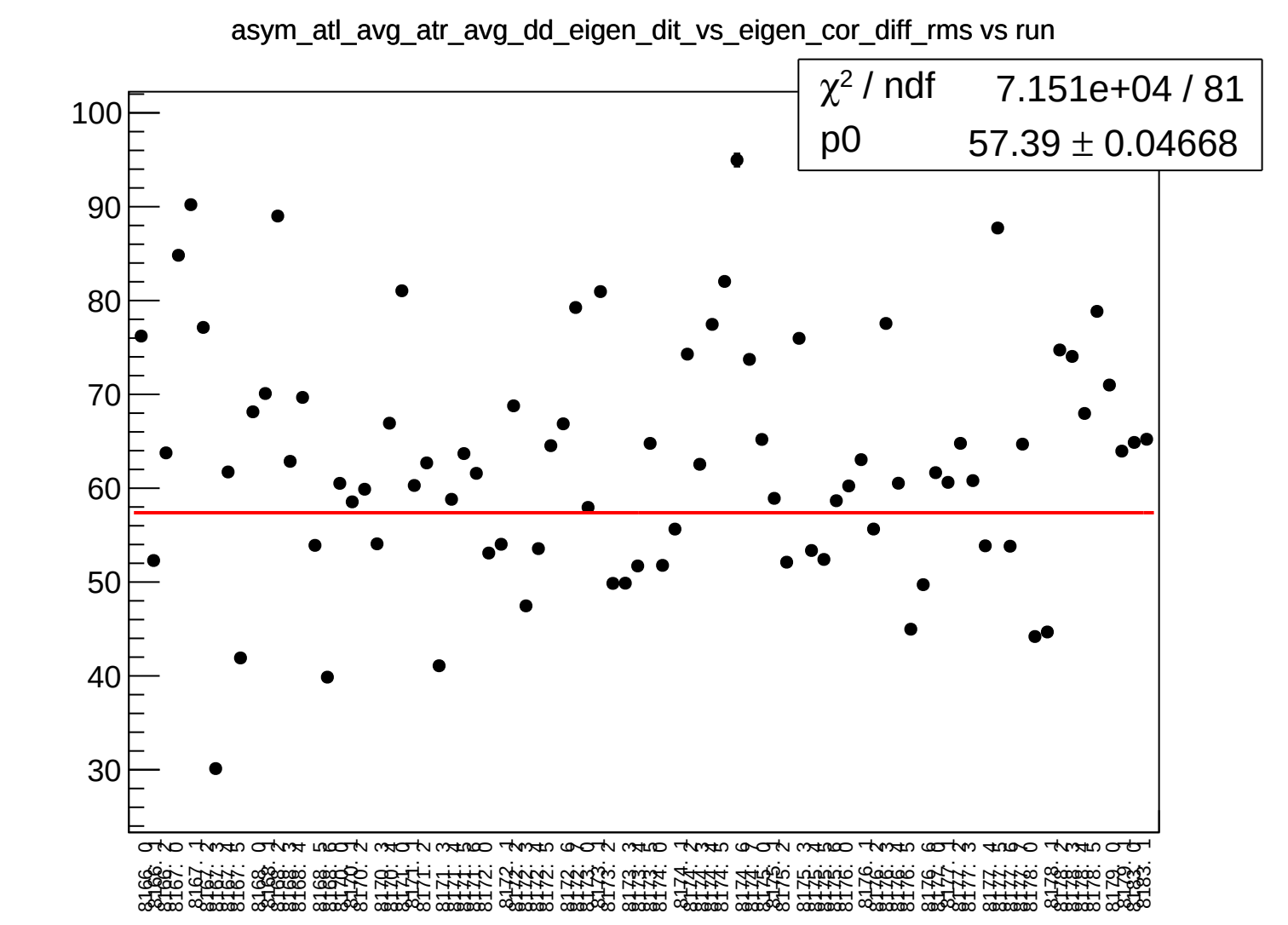

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04942 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

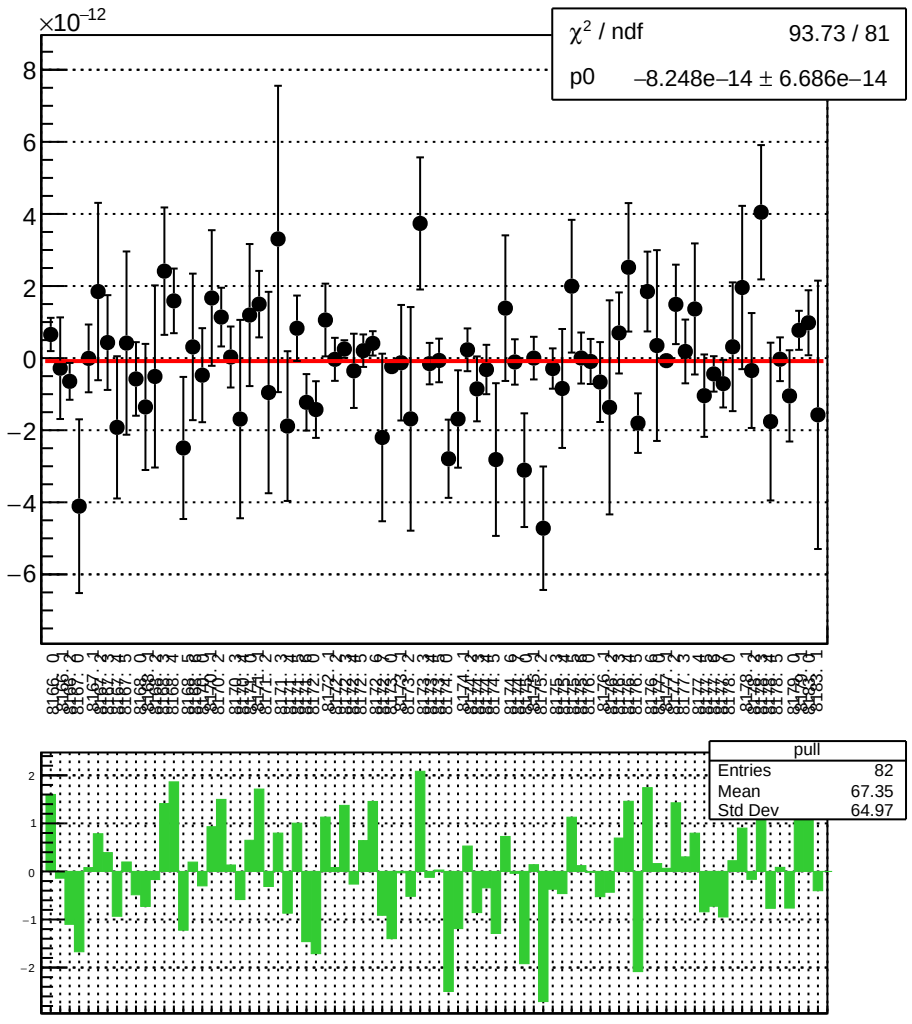

pull1D
Entries 82
Mean 0.006497
Std Dev 0.9923

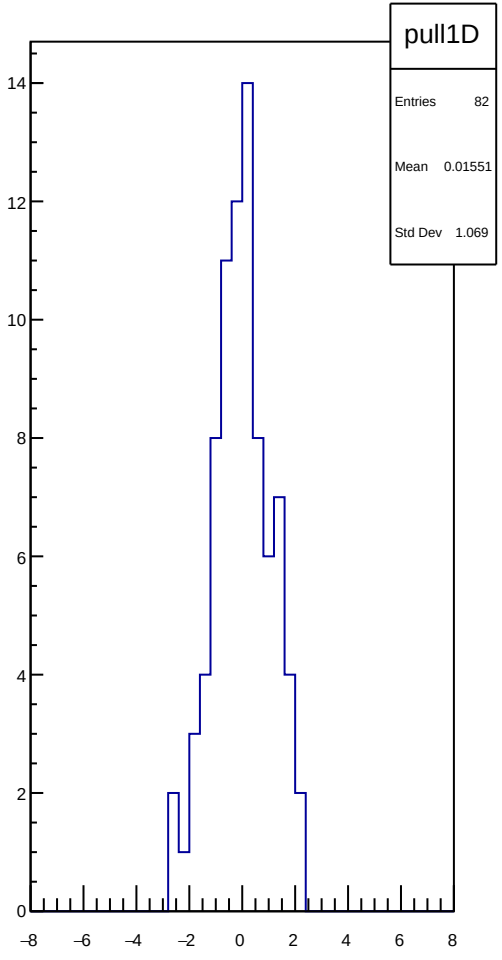

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

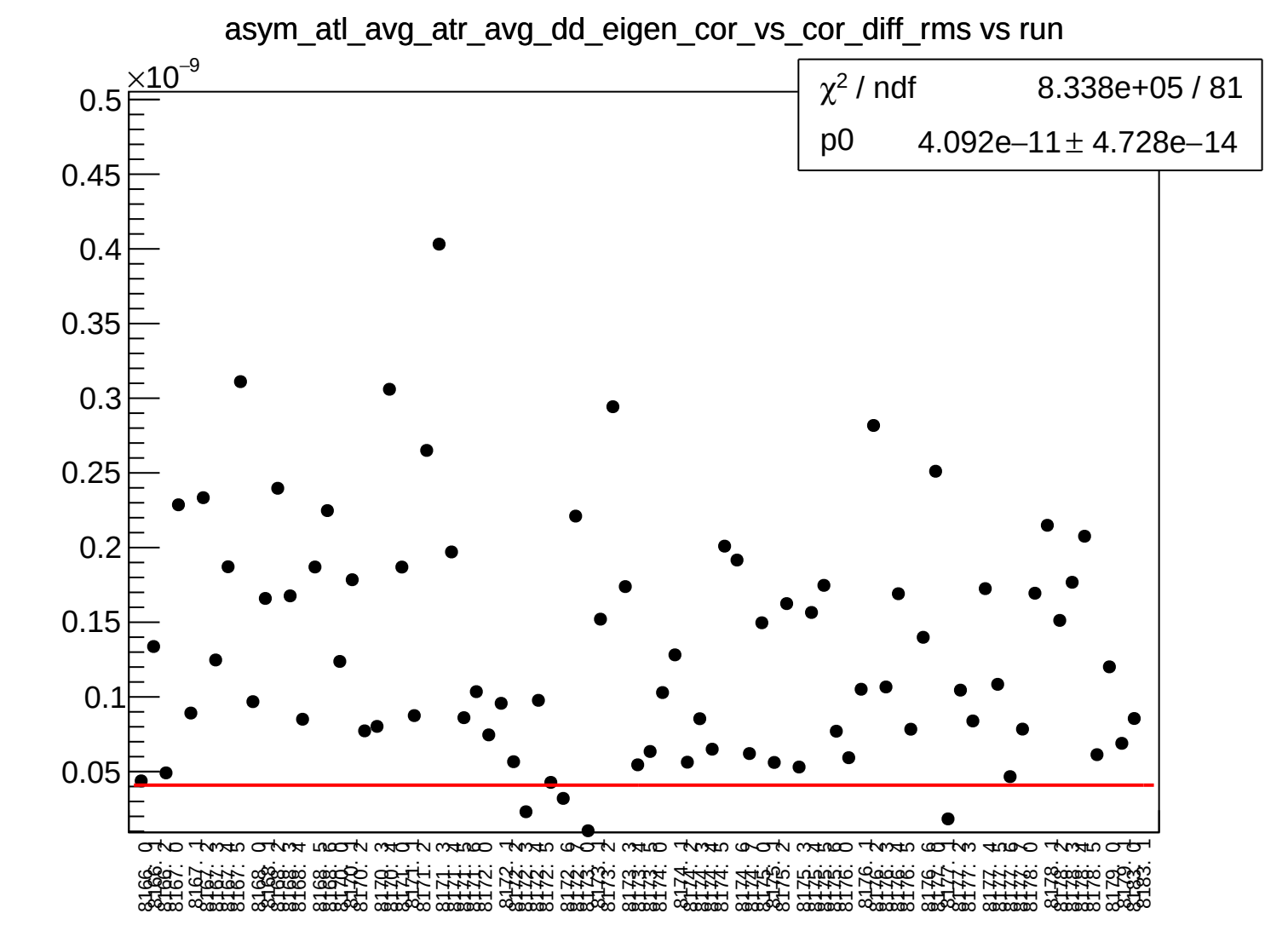

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04942 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

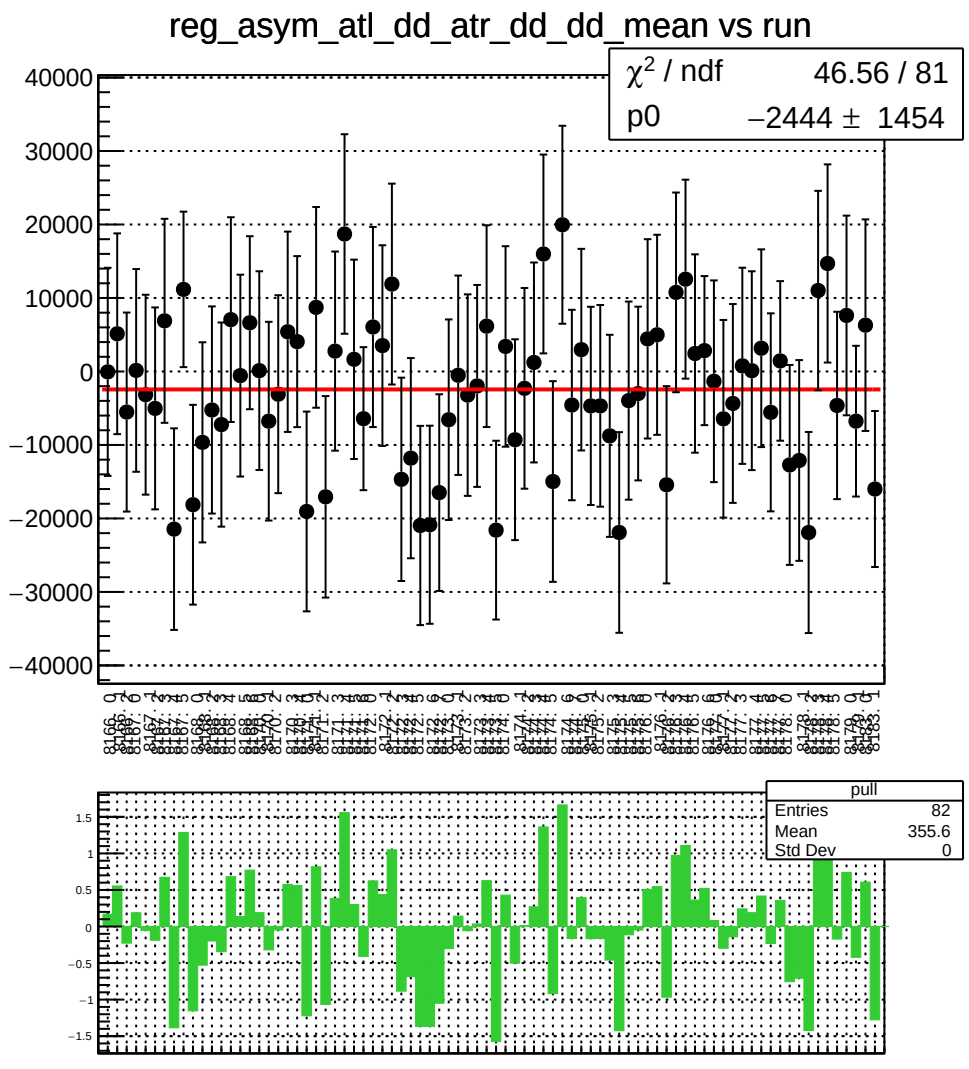

pull1D
Entries 82
Mean 0.006497
Std Dev 0.9923

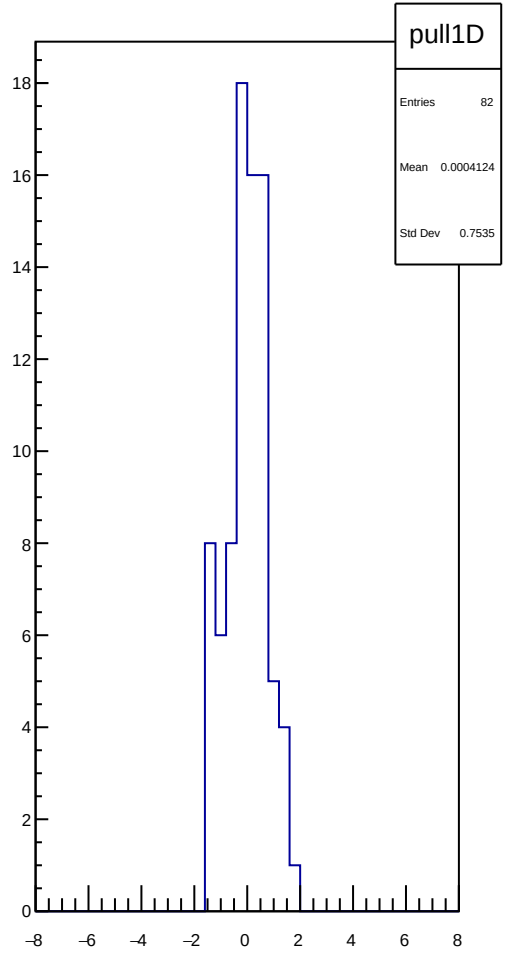

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

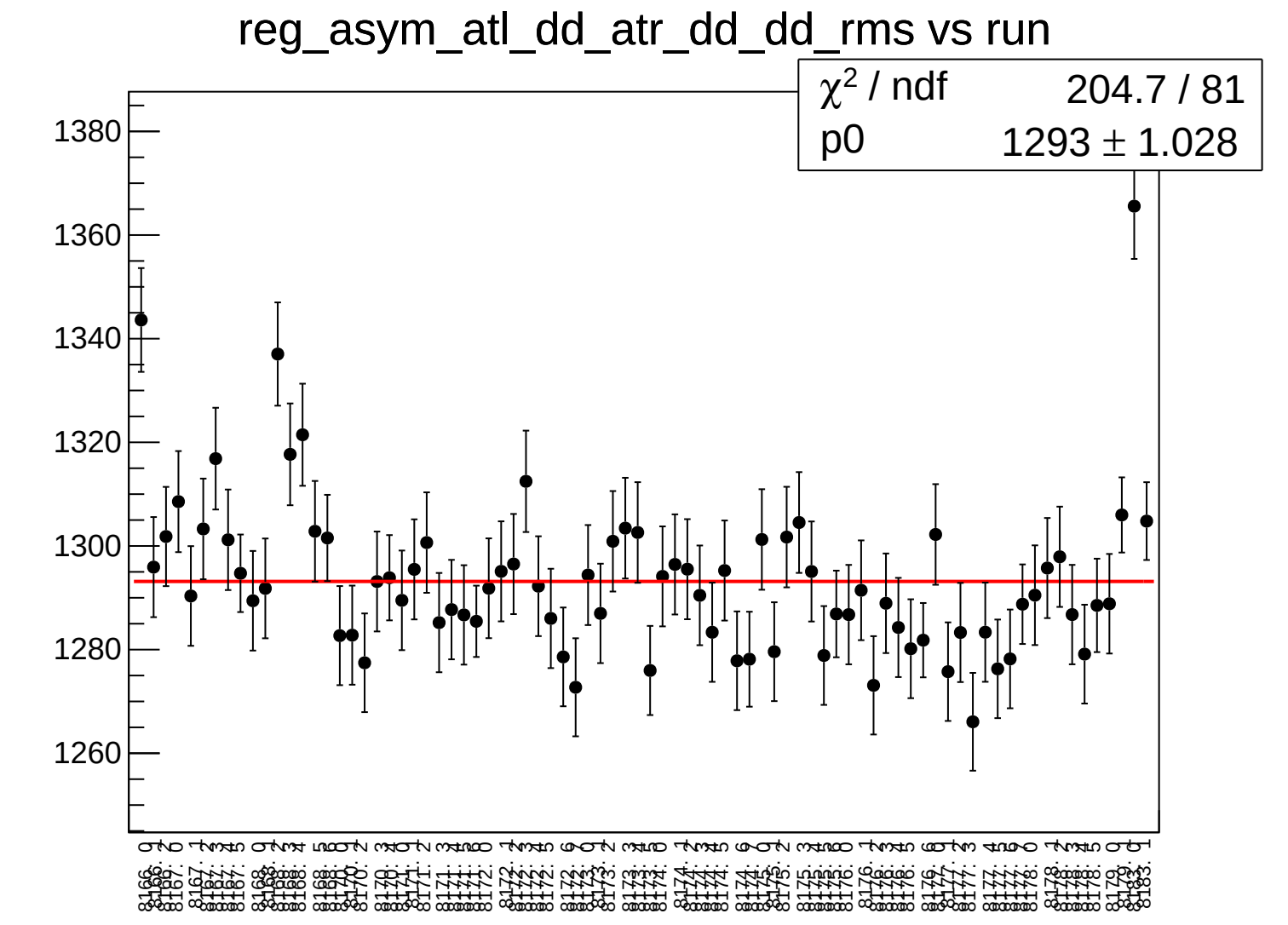

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 93.73 / 81
p0 −8.248e−14 ± 6.686e−14
pull
Entries 82
Mean 67.35
Std Dev 64.97

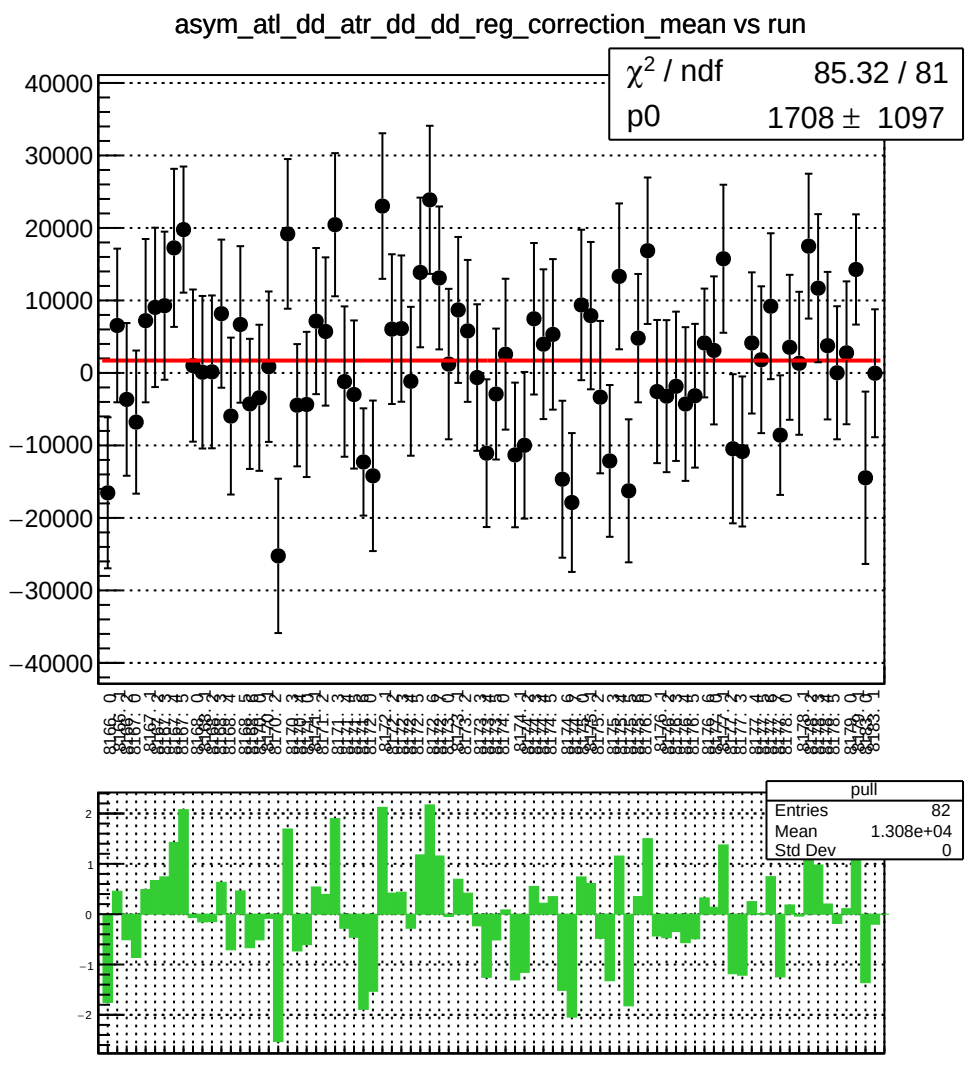

pull1D
Entries 82
Mean 0.01551
Std Dev 1.069

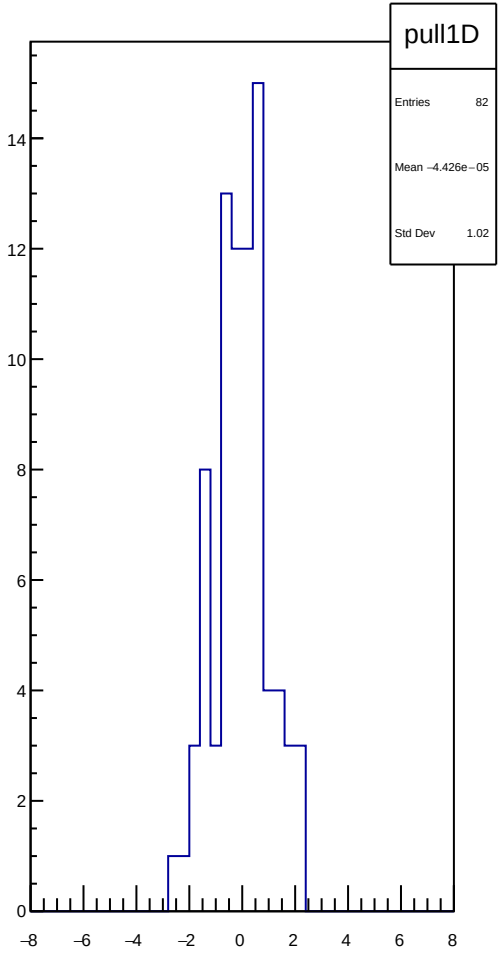

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.338e+05 / 81
p0 4.092e−11 ± 4.728e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

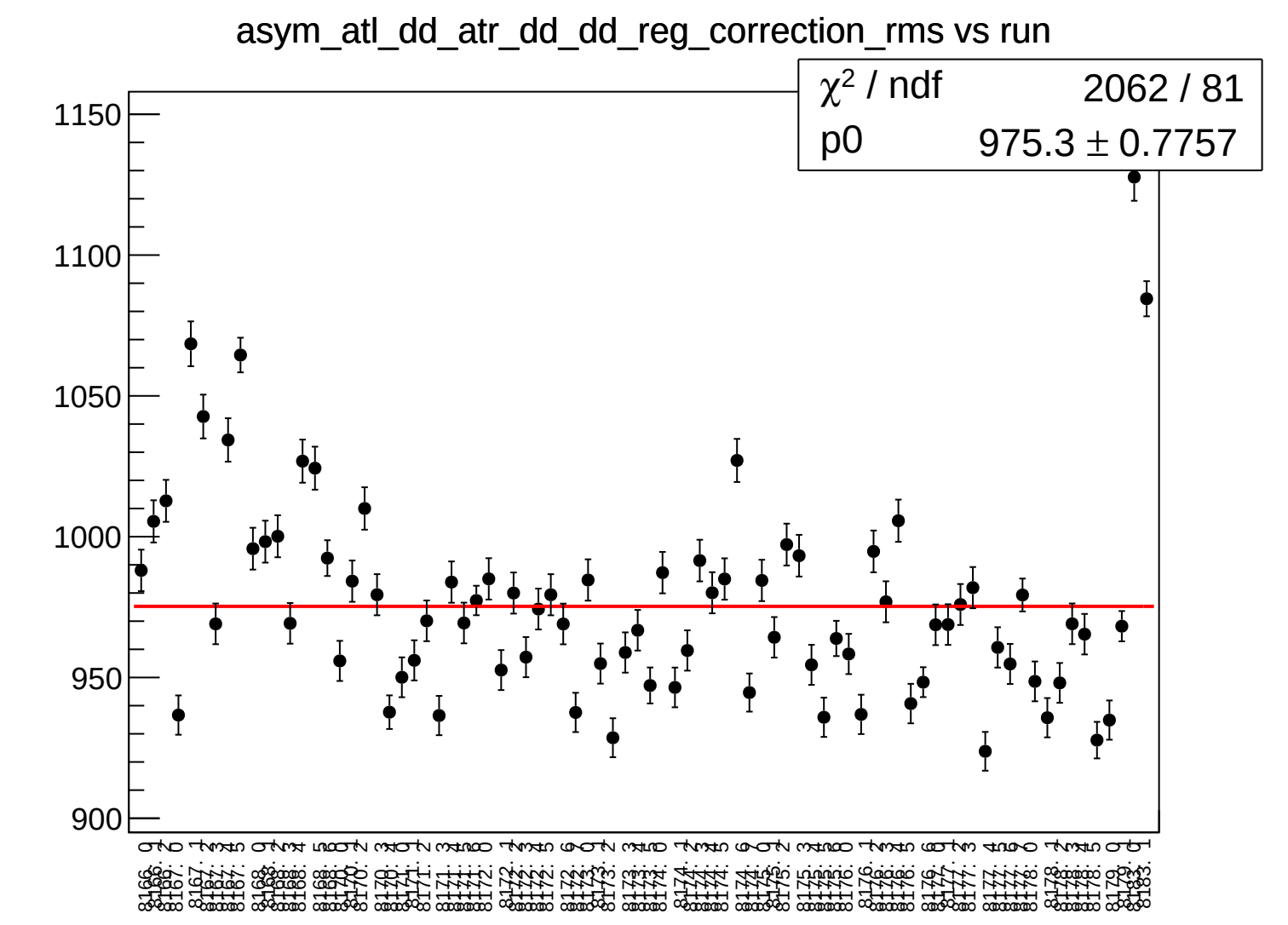

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.56 / 81
p0 −2444 ± 1454
pull
Entries 82
Mean 355.6
Std Dev 0

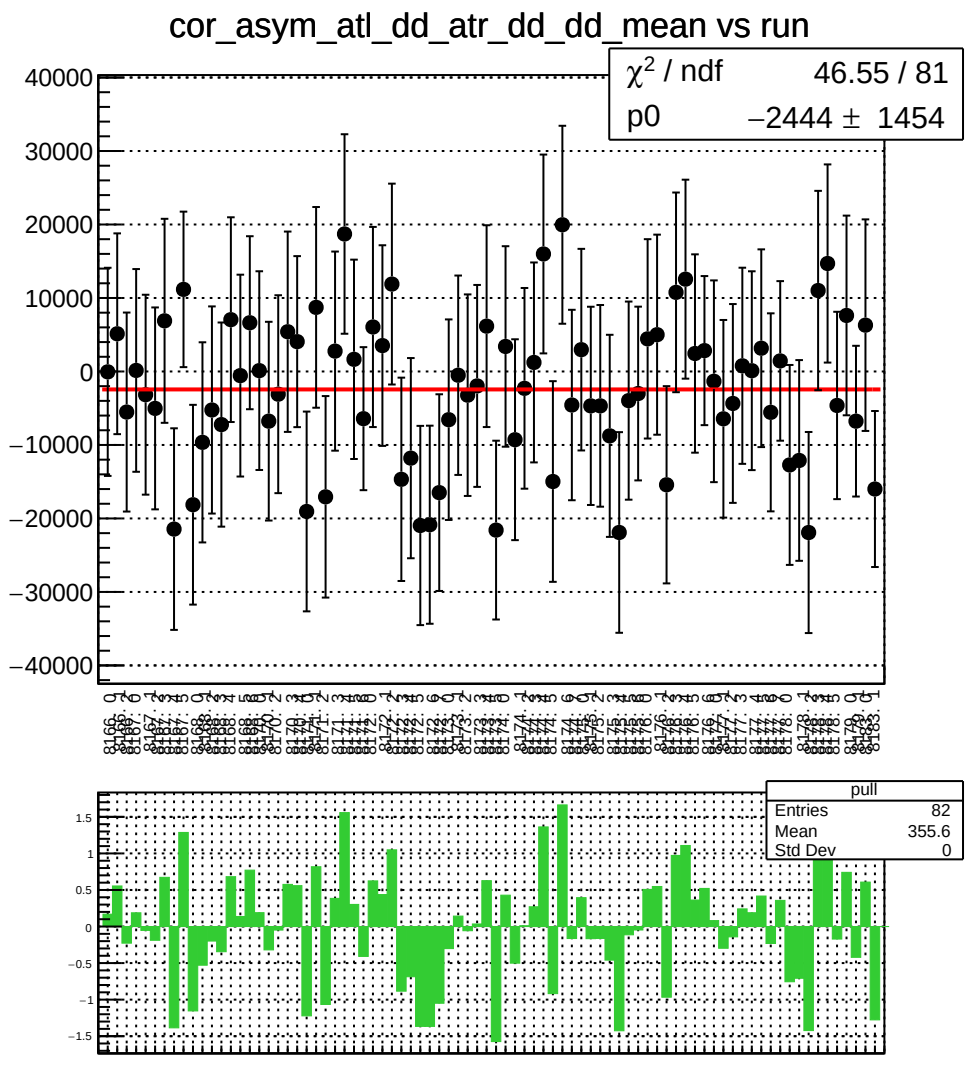

pull1D
Entries 82
Mean 0.0004124
Std Dev 0.7535

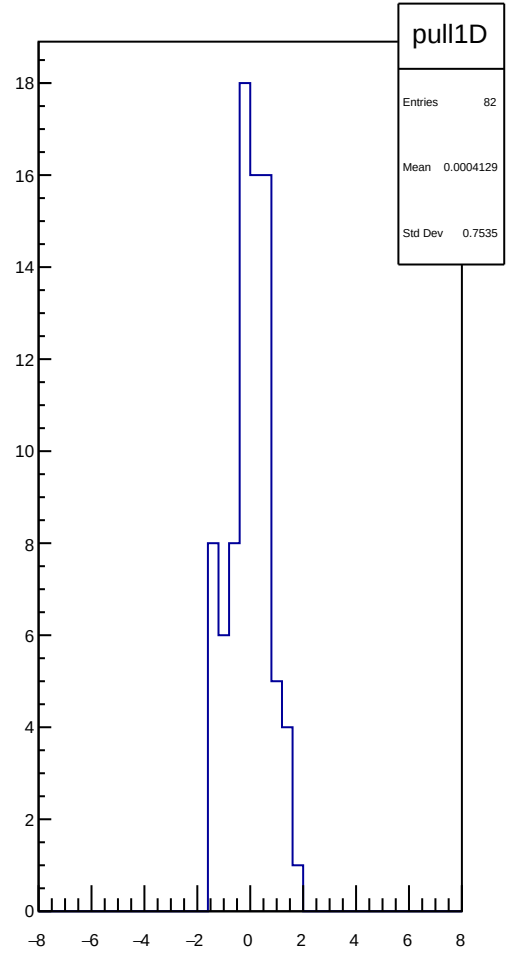

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 204.7 / 81
p0 1293 ± 1.028
1380
1360
1340
1320
1300
1280
1260

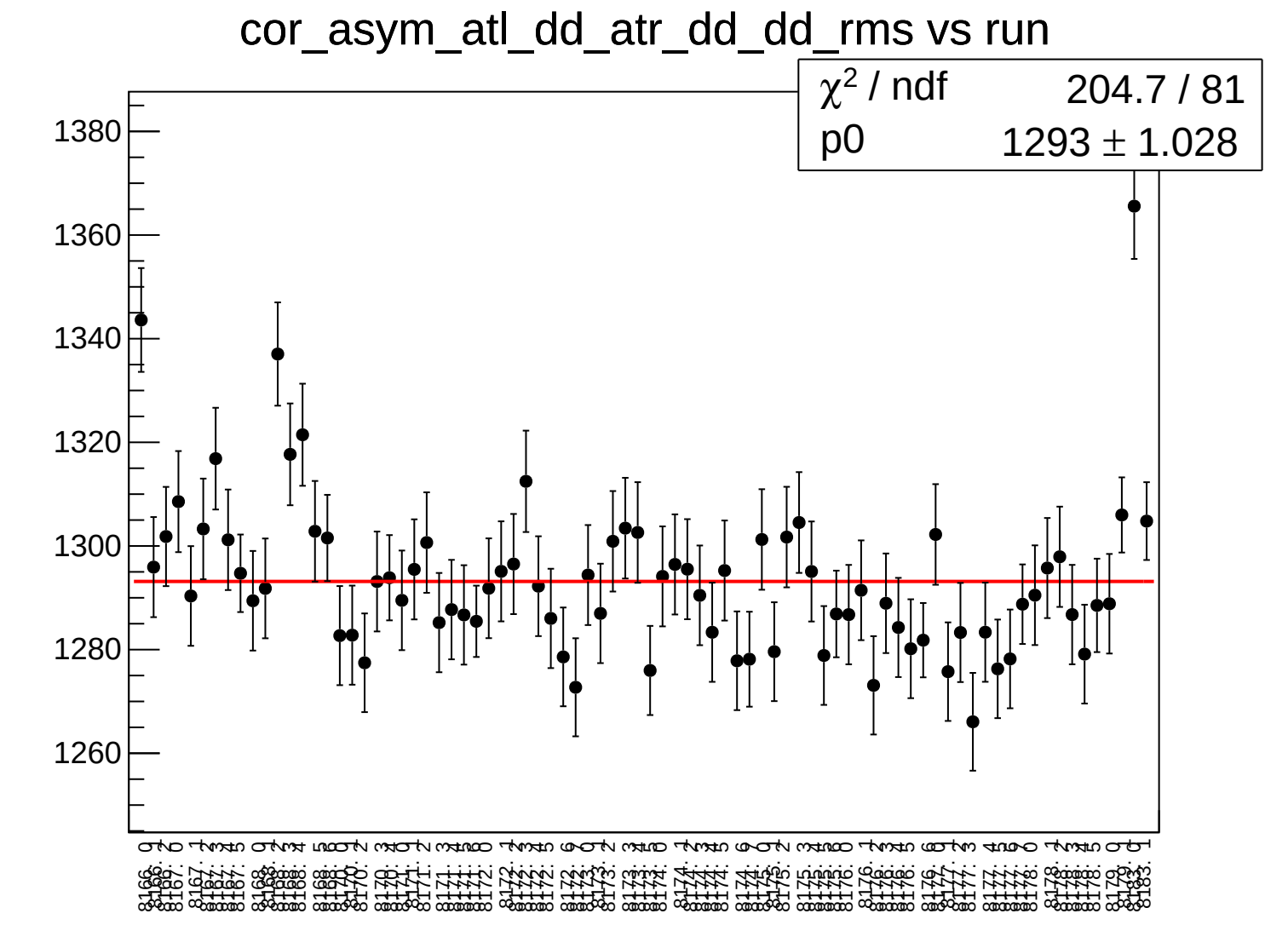

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 85.32 / 81
p0 1708 ± 1097
pull
Entries 82
Mean 1.308e+04
Std Dev 0

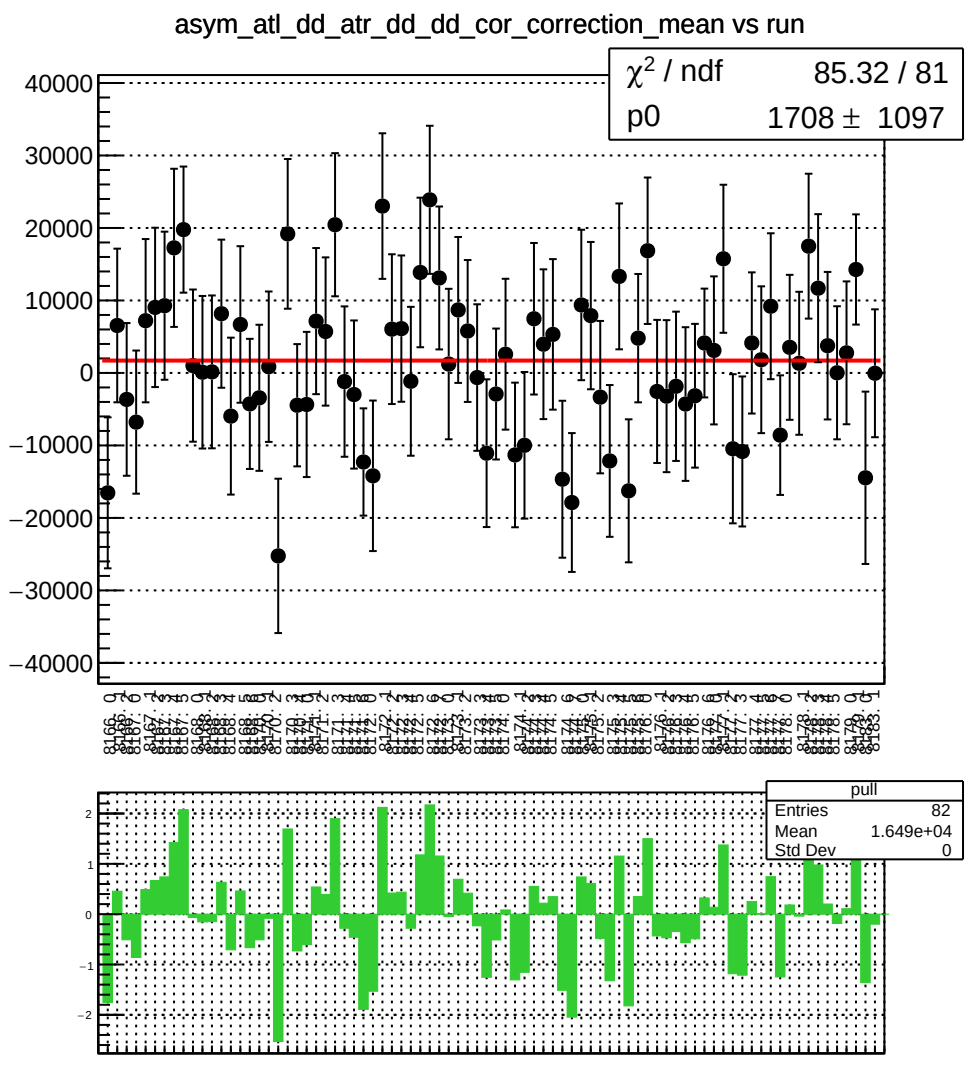

pull1D
Entries 82
Mean −4.426e−05
Std Dev 1.02

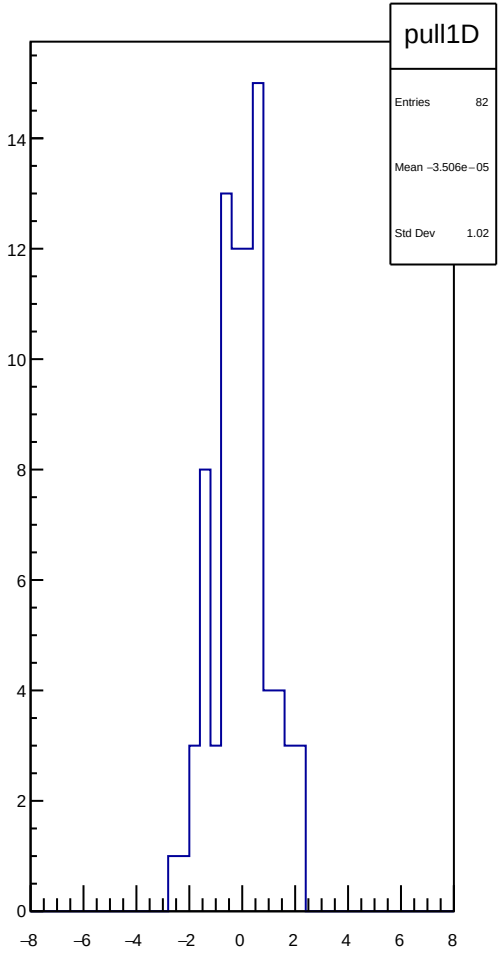

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 2062 / 81
p0 975.3 ± 0.7757
1150
1100
1050
1000
950
900

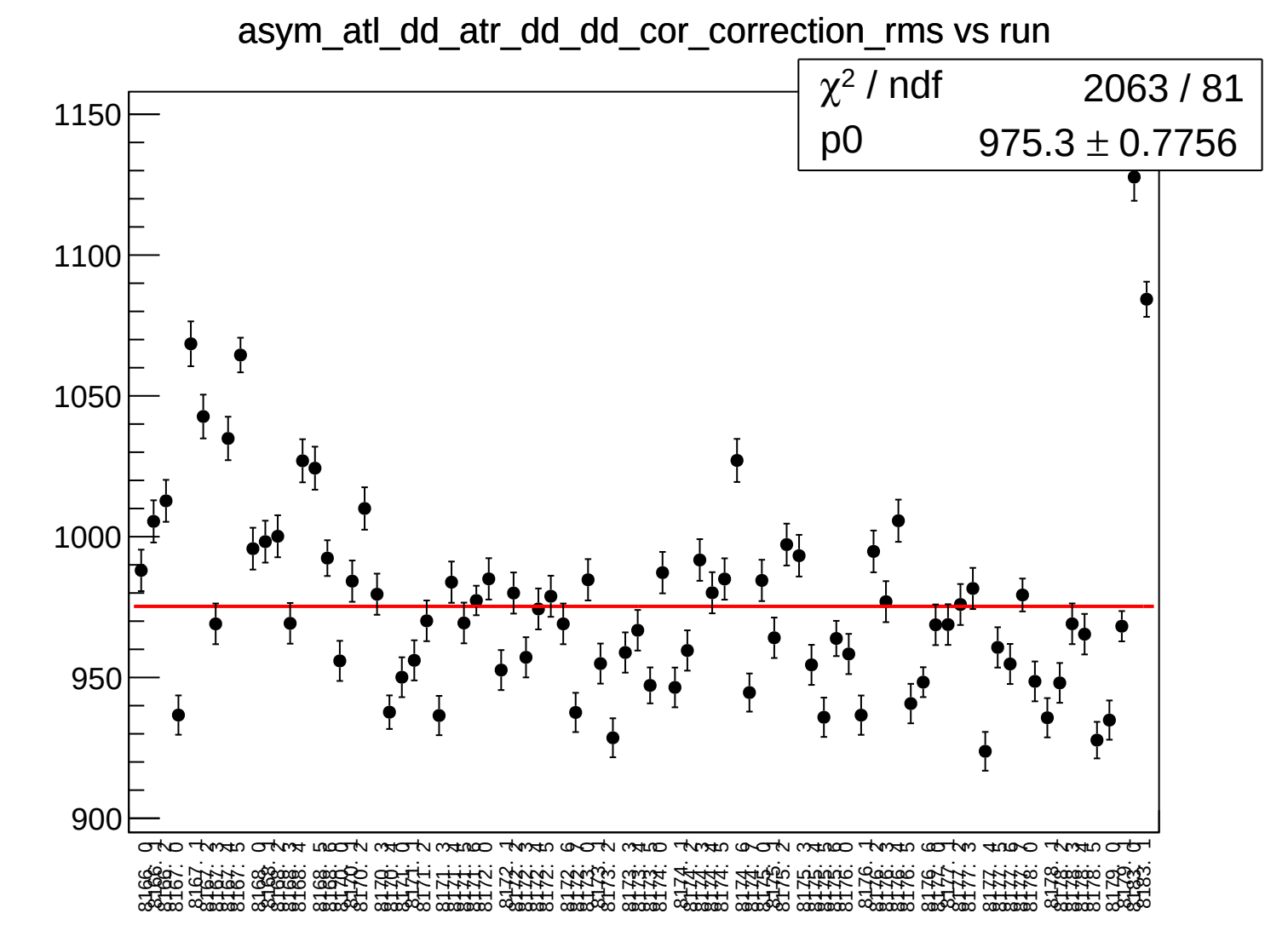

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.55 / 81
p0 −2444 ± 1454
pull
Entries 82
Mean 355.6
Std Dev 0

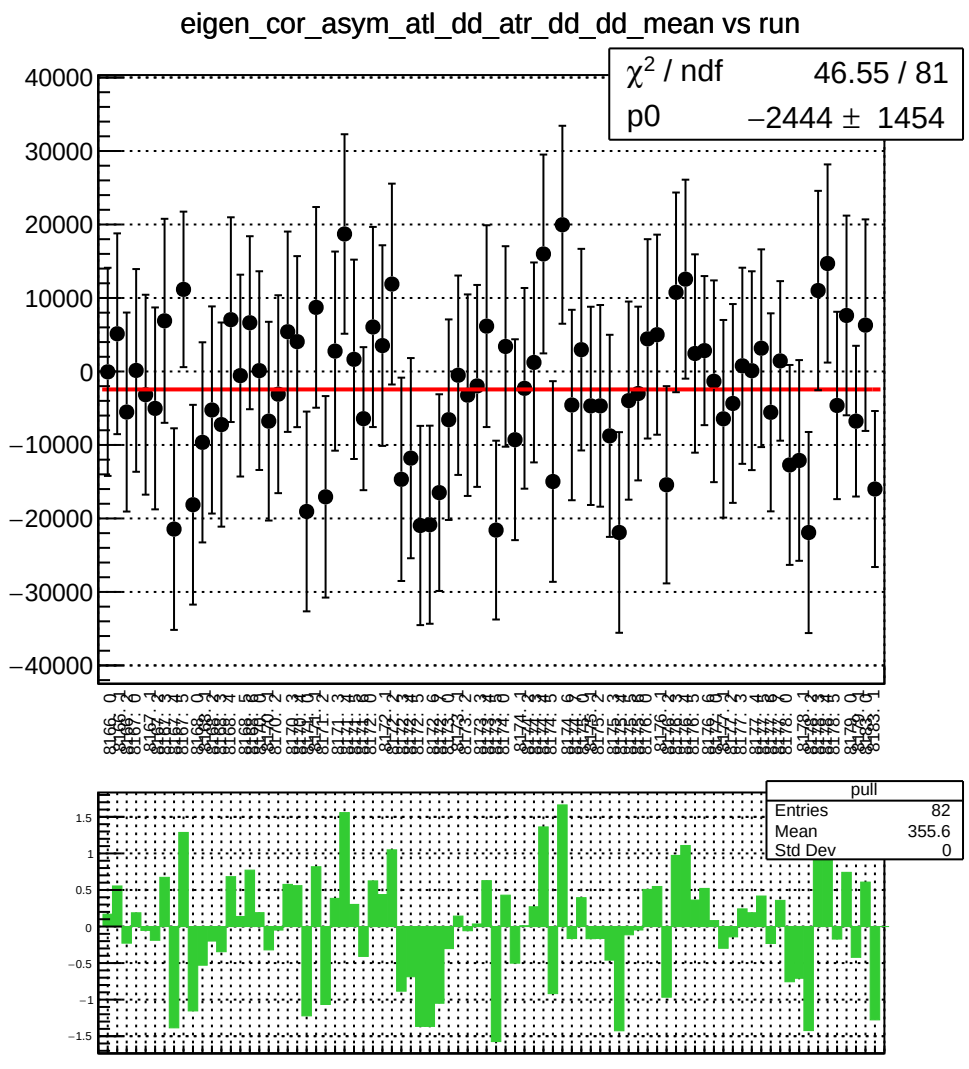

pull1D
Entries 82
Mean 0.0004129
Std Dev 0.7535

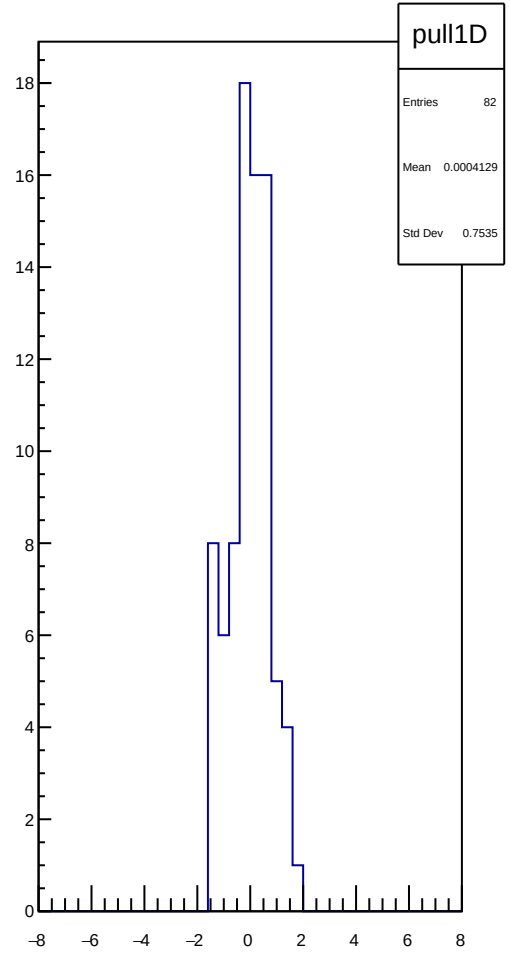

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 204.7 / 81
p0 1293 ± 1.028
1380
1360
1340
1320
1300
1280
1260

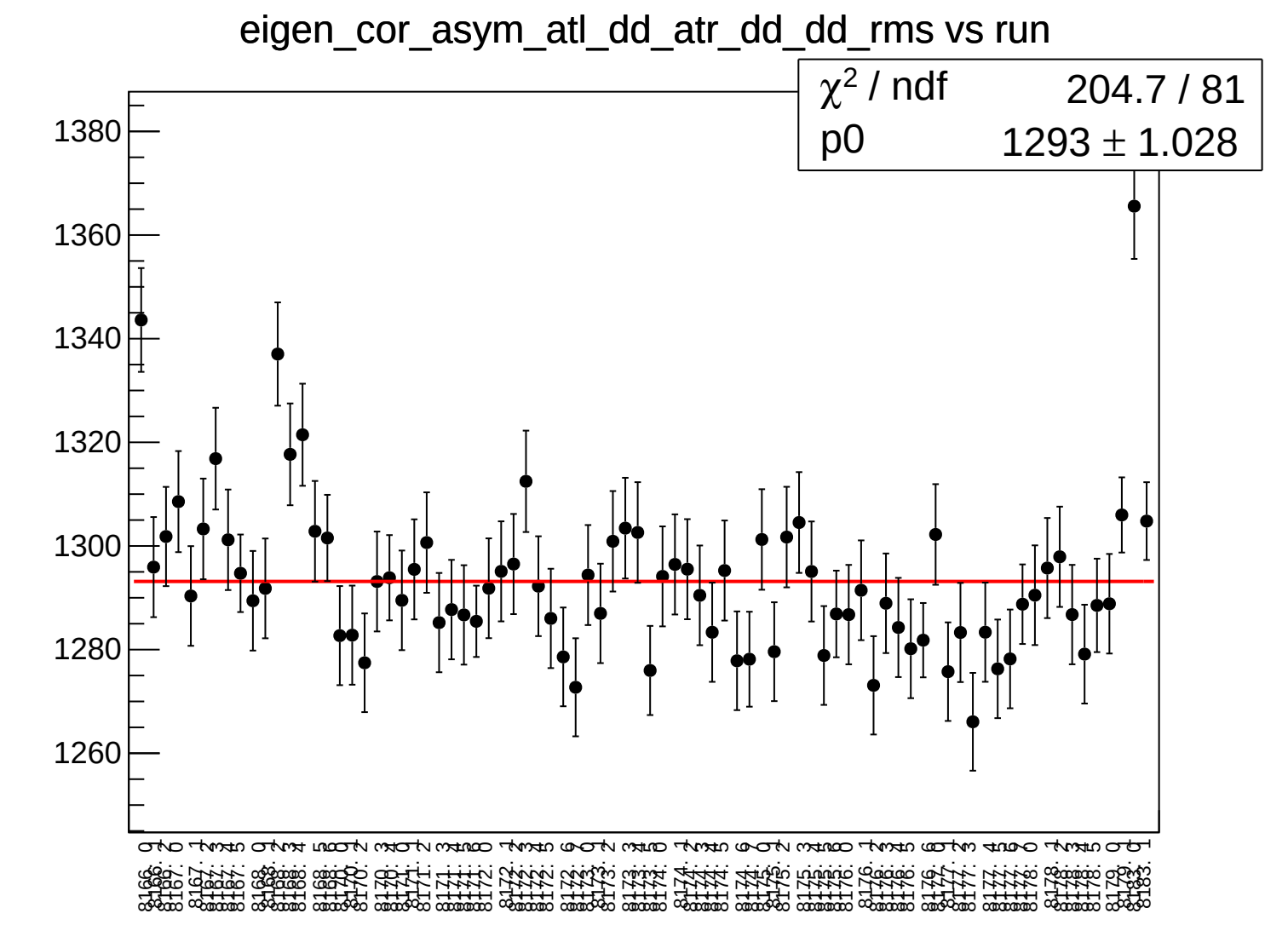

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 85.32 / 81
p0 1708 ± 1097
pull
Entries 82
Mean 1.649e+04
Std Dev 0

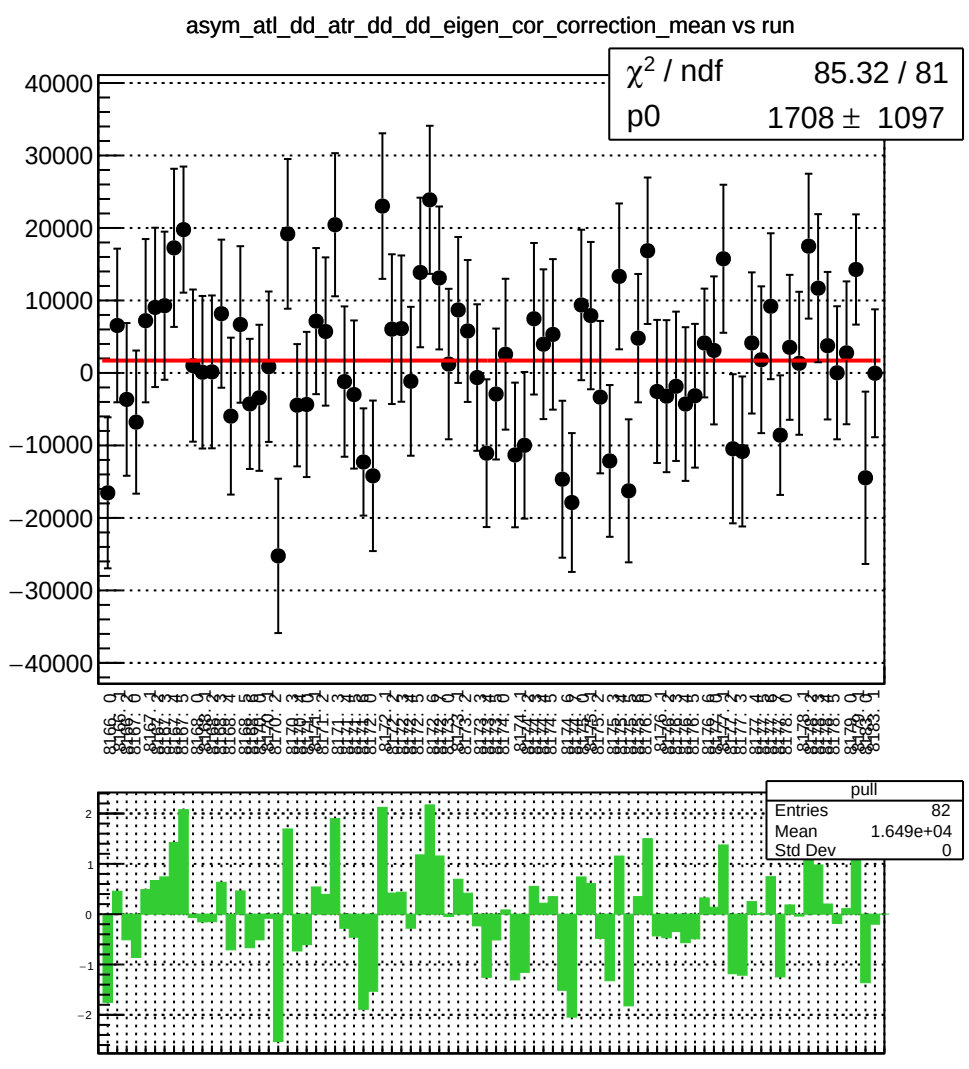

pull1D
Entries 82
Mean −3.506e−05
Std Dev 1.02

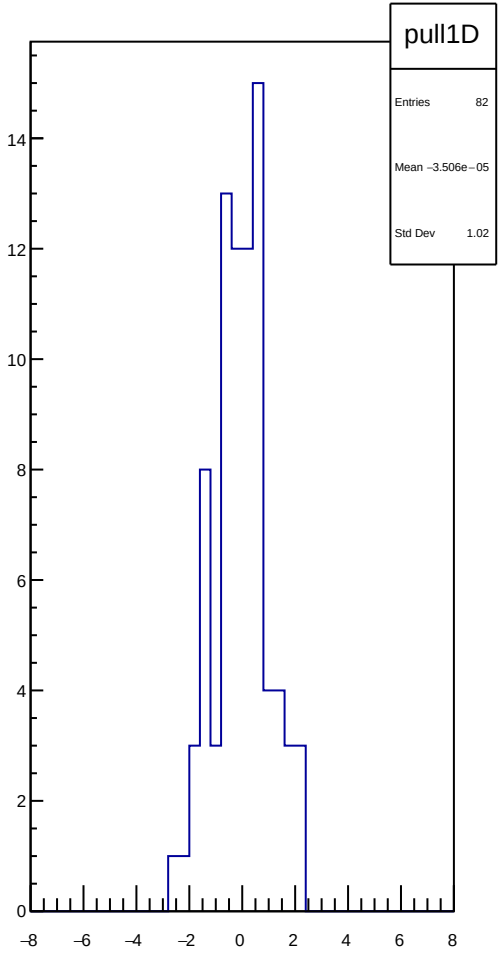

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2063 / 81
p0 975.3 ± 0.7756
1150
1100
1050
1000
950
900

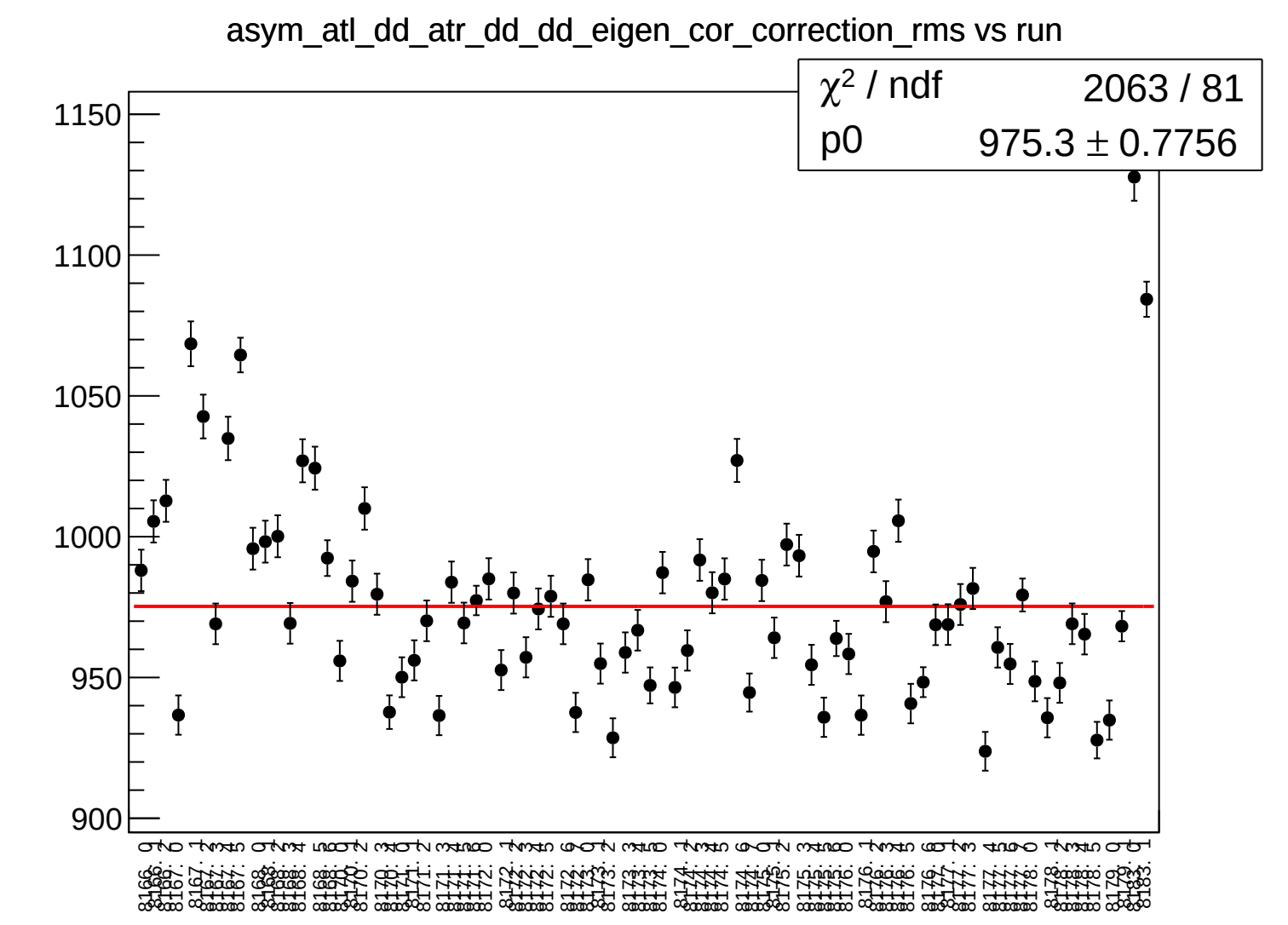

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46.55 / 81
p0 −2444 ± 1454
pull
Entries 82
Mean 355.6
Std Dev 0

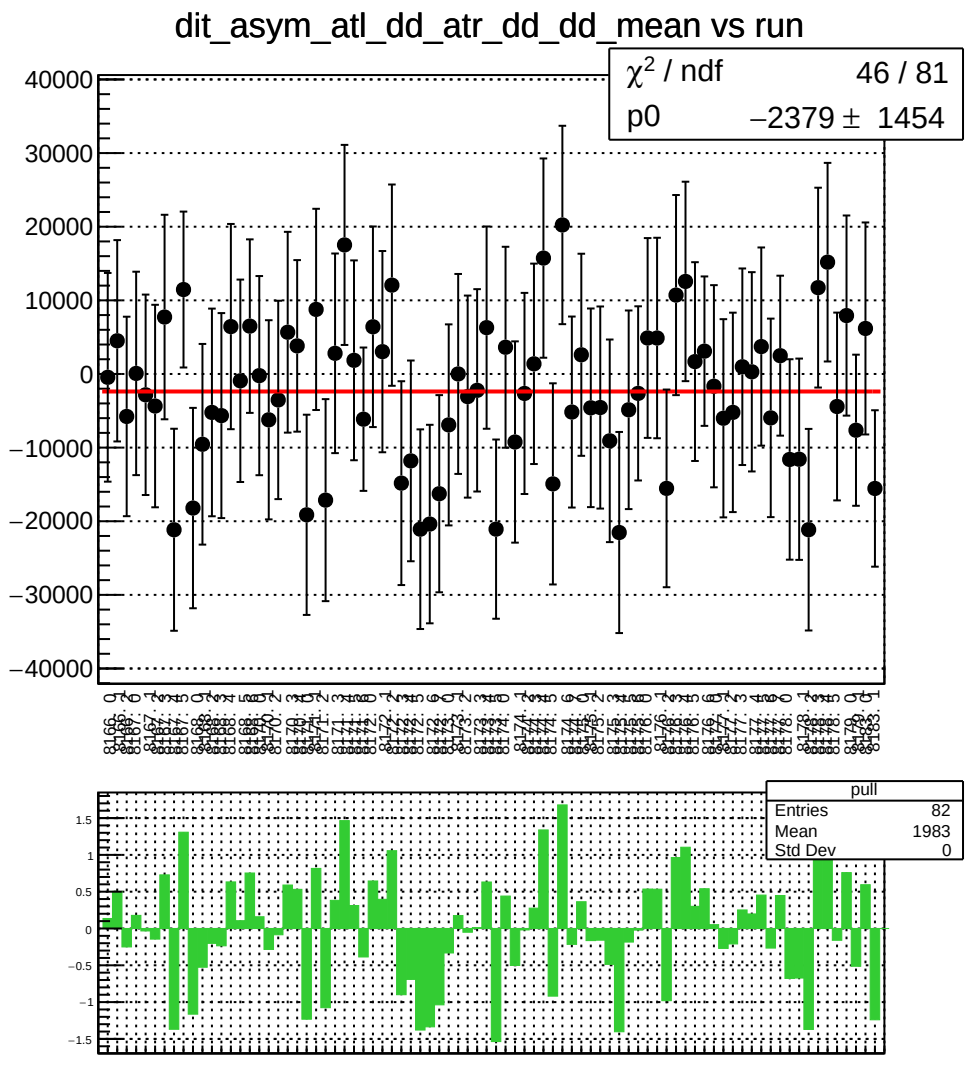

pull1D
Entries 82
Mean 0.0004129
Std Dev 0.7535

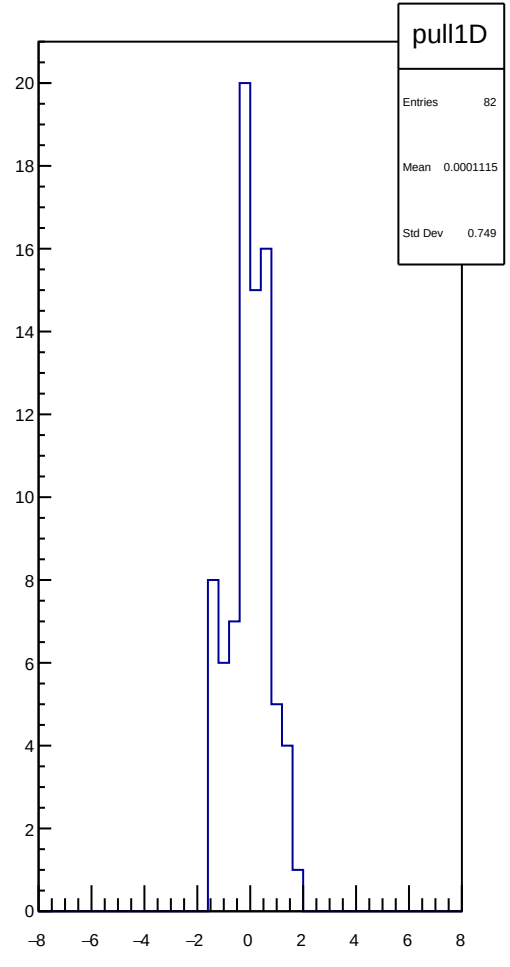

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 204.7 / 81
p0 1293 ± 1.028
1380
1360
1340
1320
1300
1280
1260

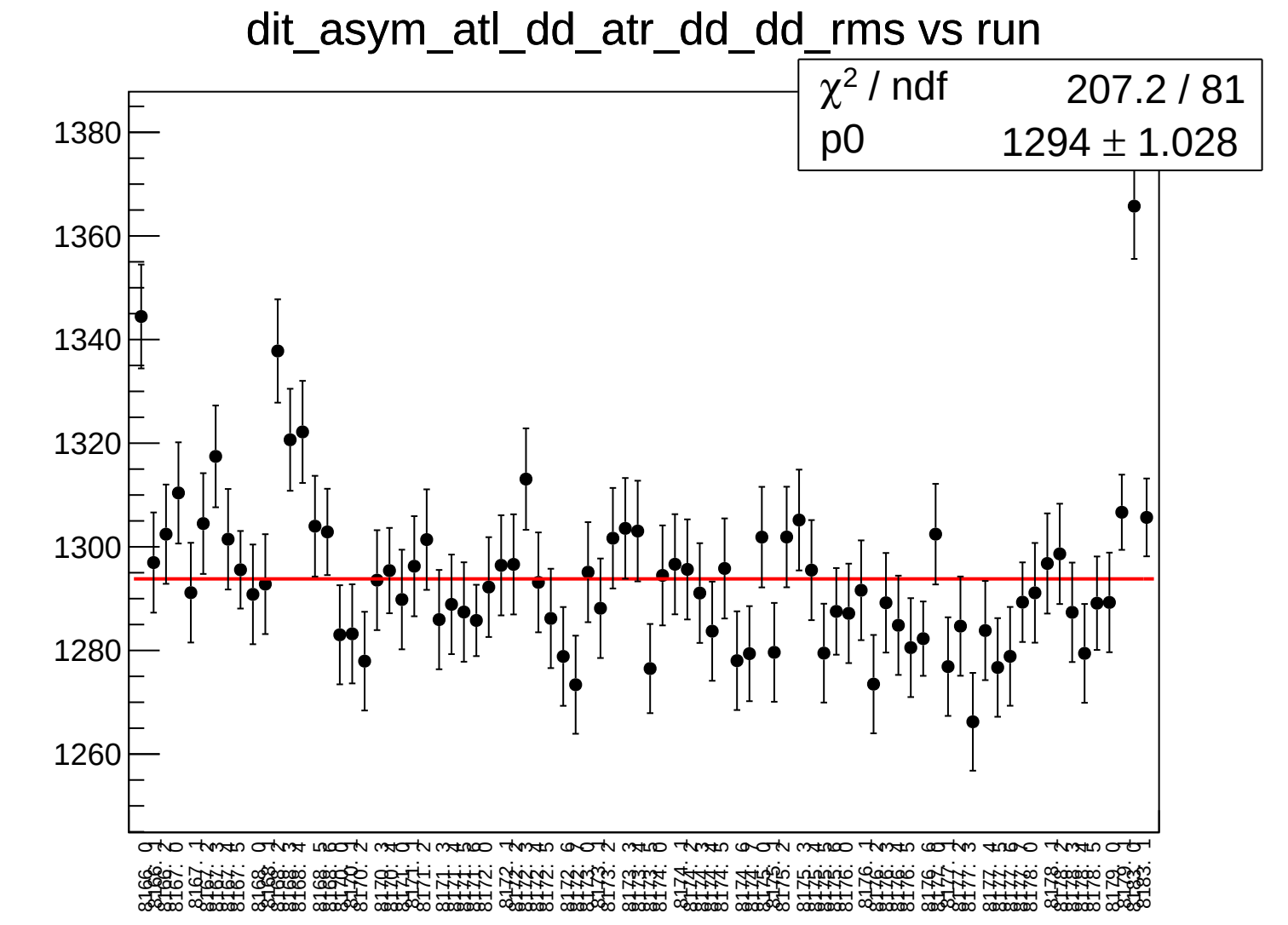

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 85.32 / 81
p0 1708 ± 1097
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 1.649e+04
Std Dev 0
2
1
0
−1
−2

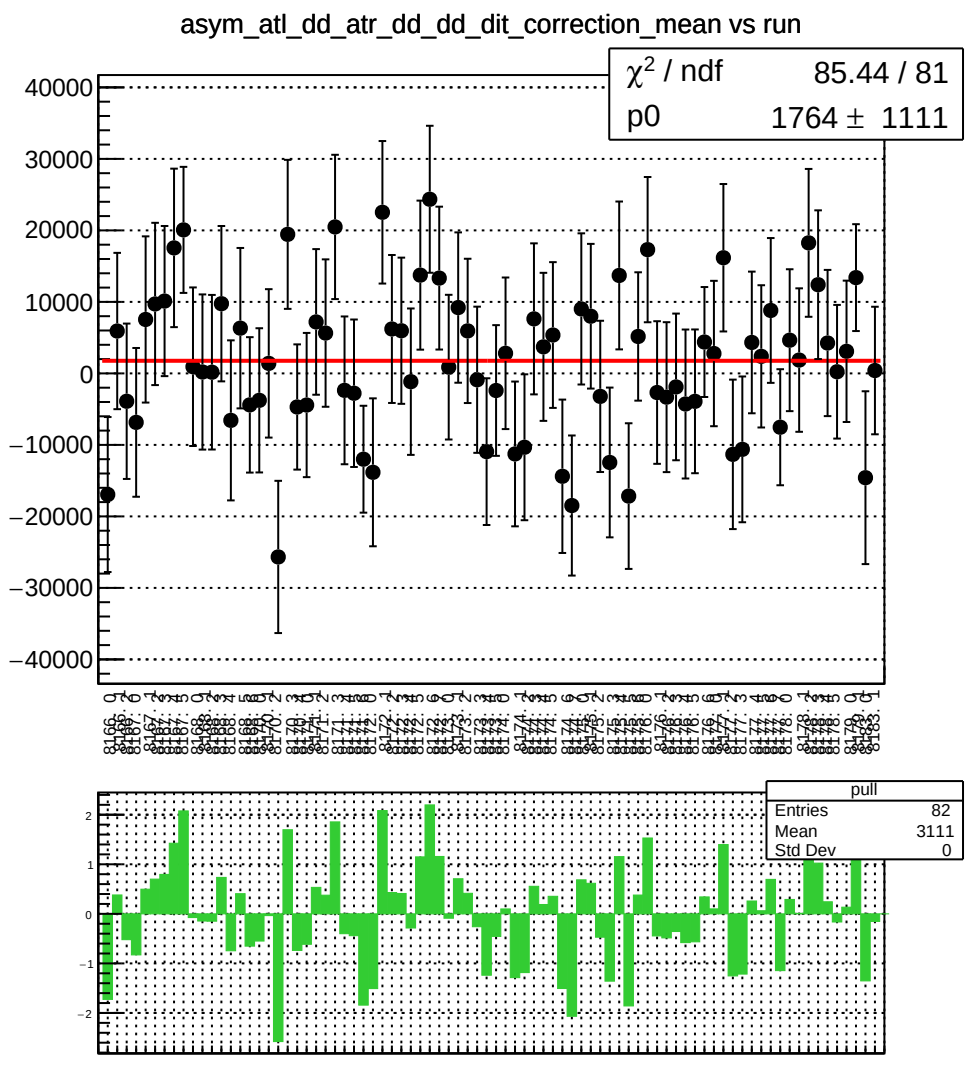

pull1D
Entries 82
Mean −3.506e−05
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

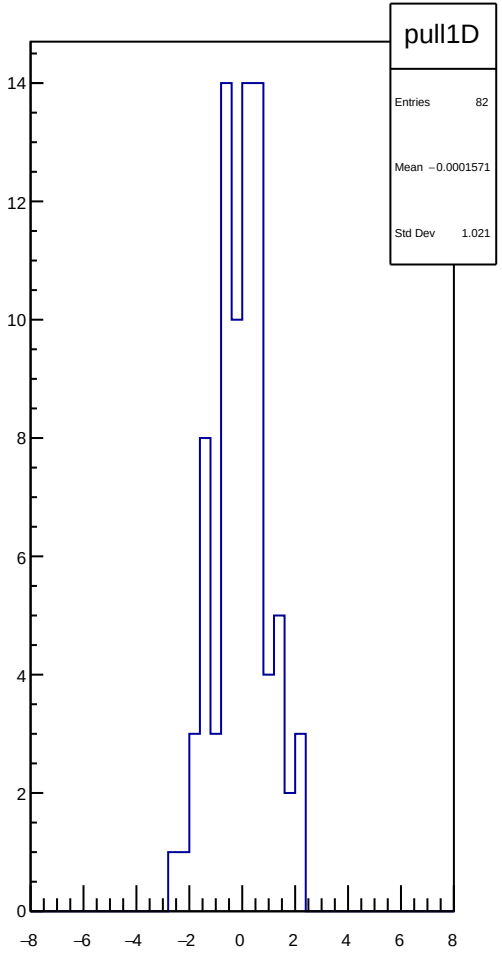

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2063 / 81
p0 975.3 ± 0.7756
1150
1100
1050
1000
950
900

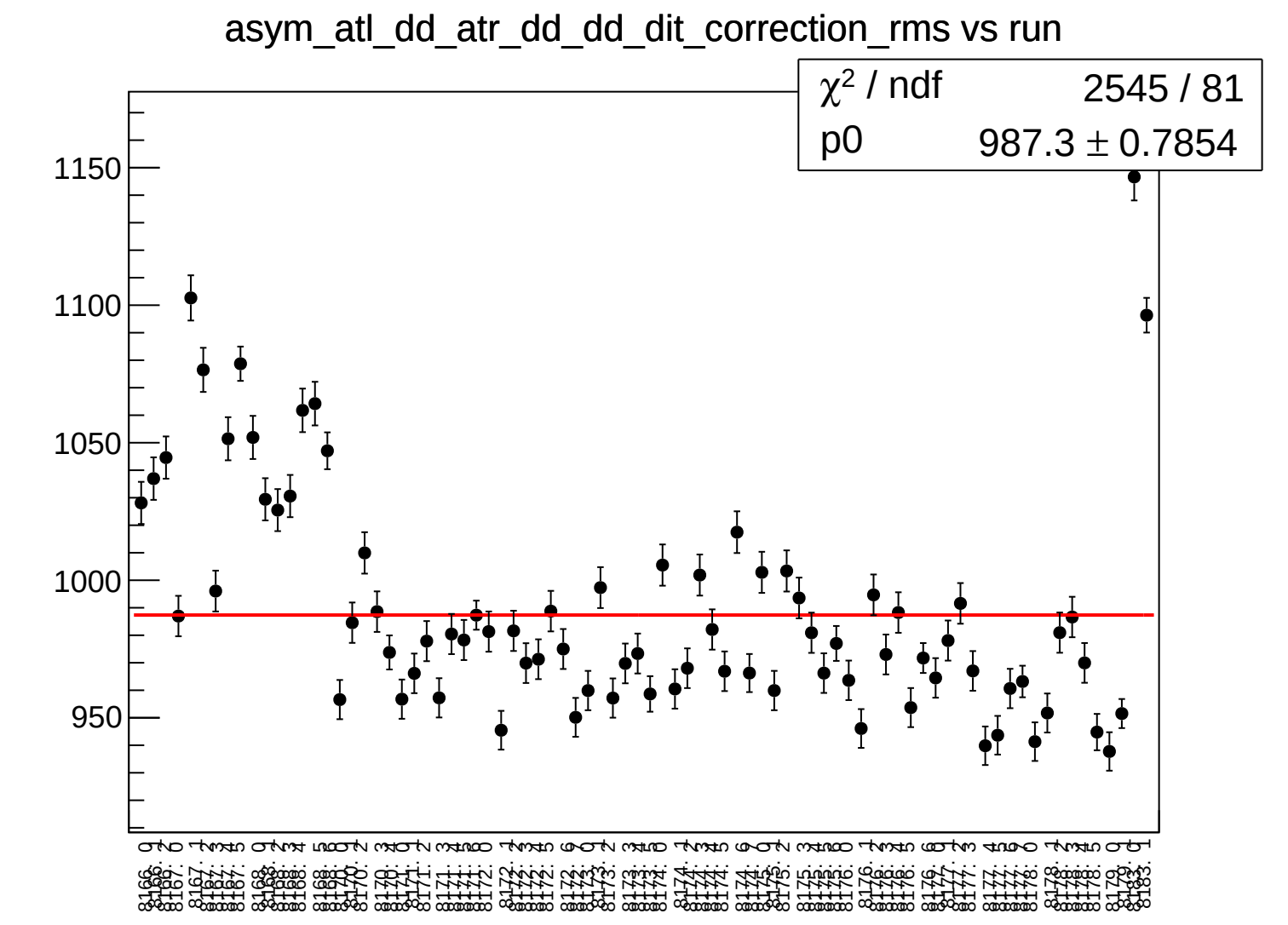

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46 / 81
p0 −2379 ± 1454
pull
Entries 82
Mean 1983
Std Dev 0

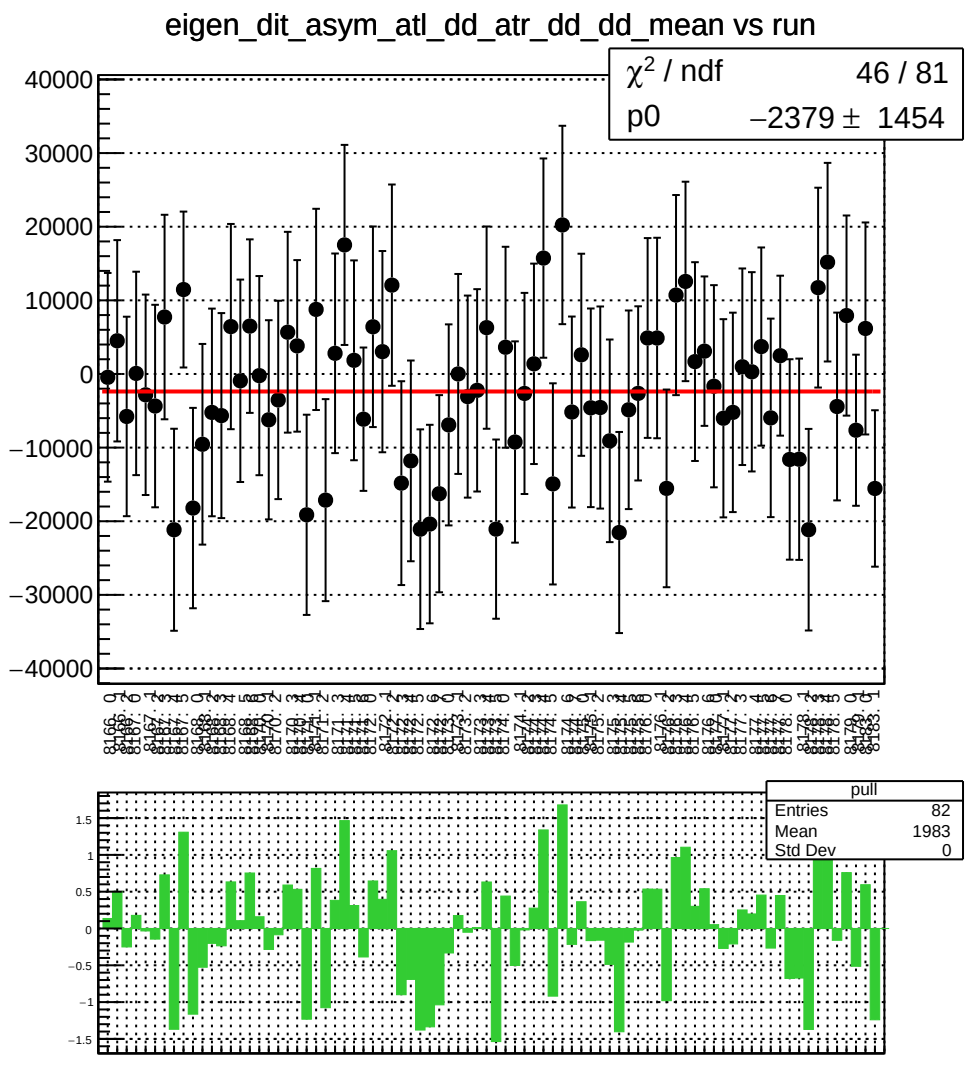

pull1D
Entries 82
Mean 0.0001115
Std Dev 0.749

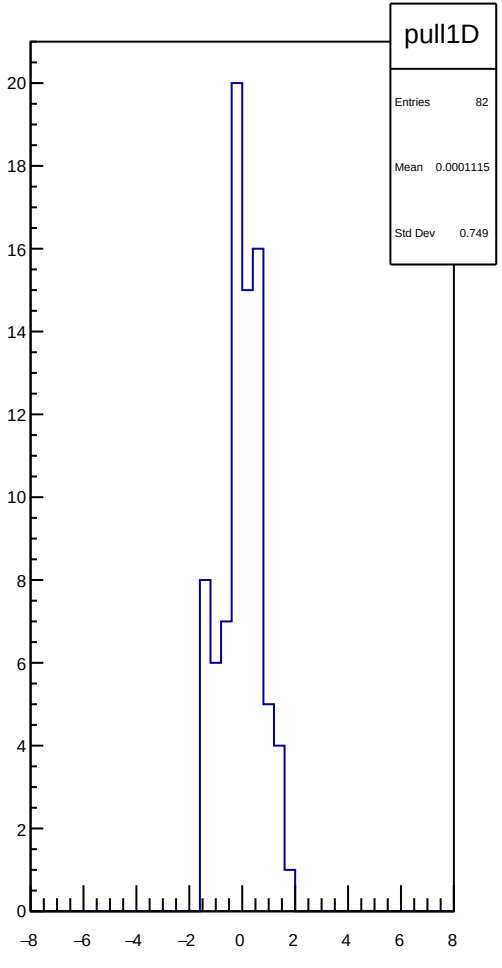

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 207.2 / 81
p0 1294 ± 1.028
1380
1360
1340
1320
1300
1280
1260

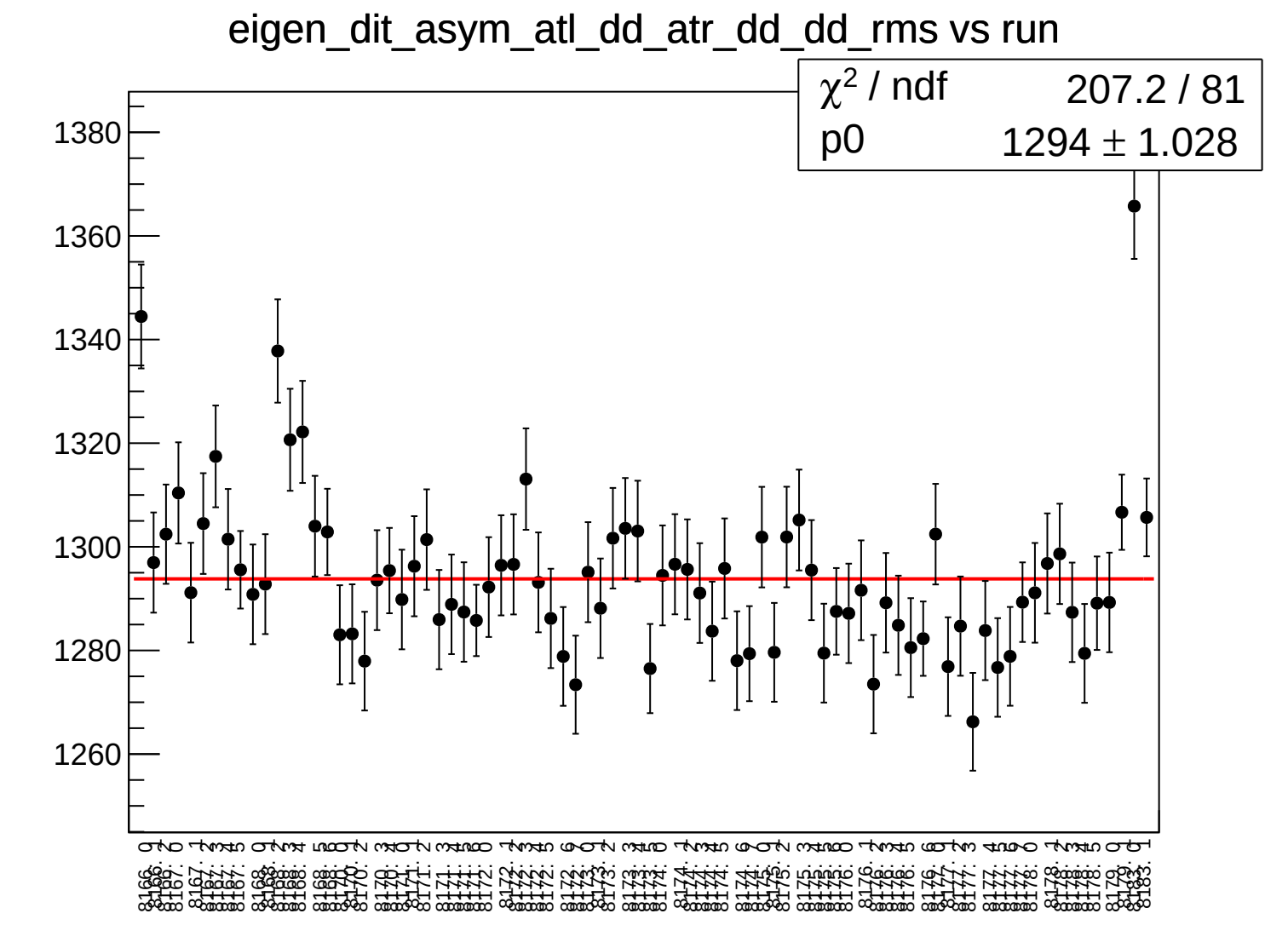

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 85.44 / 81
p0 1764 ± 1111
pull
Entries 82
Mean 3111
Std Dev 0

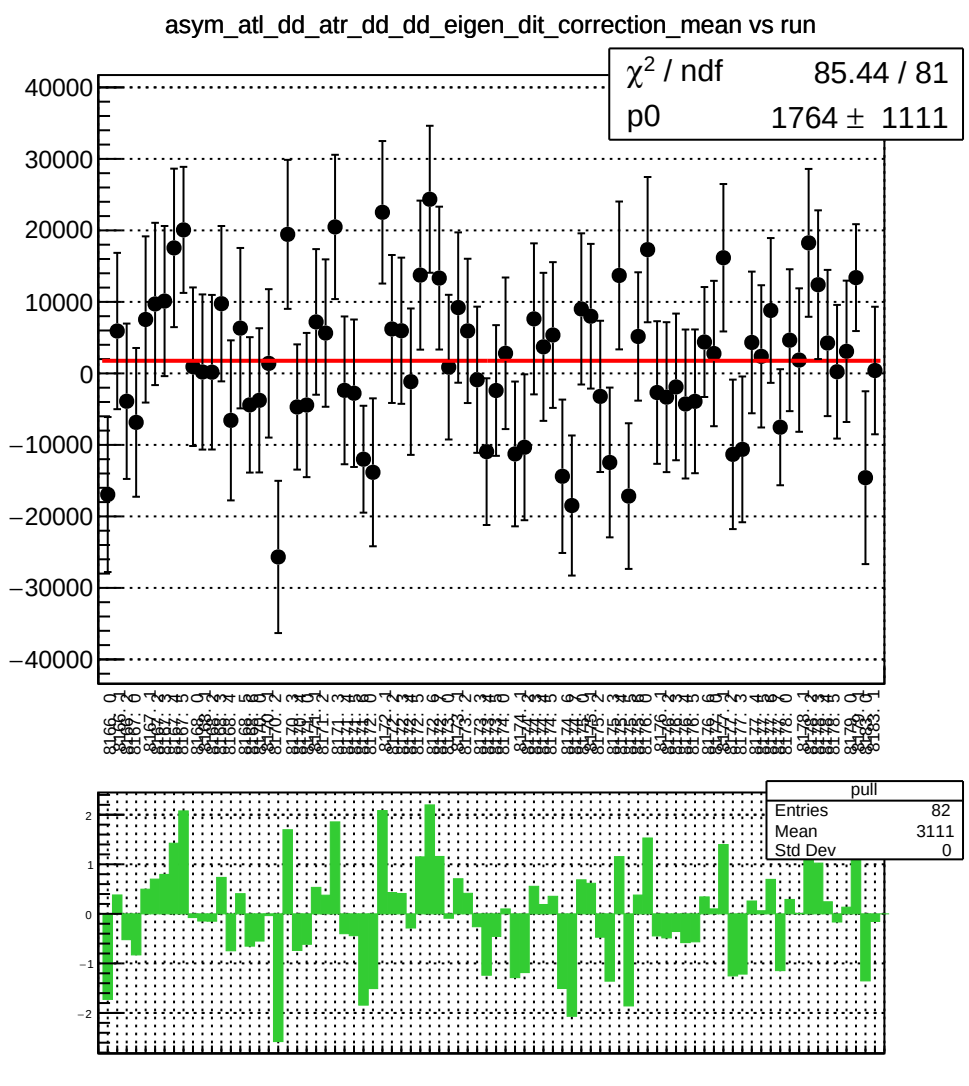

pull1D
Entries 82
Mean −0.0001571
Std Dev 1.021

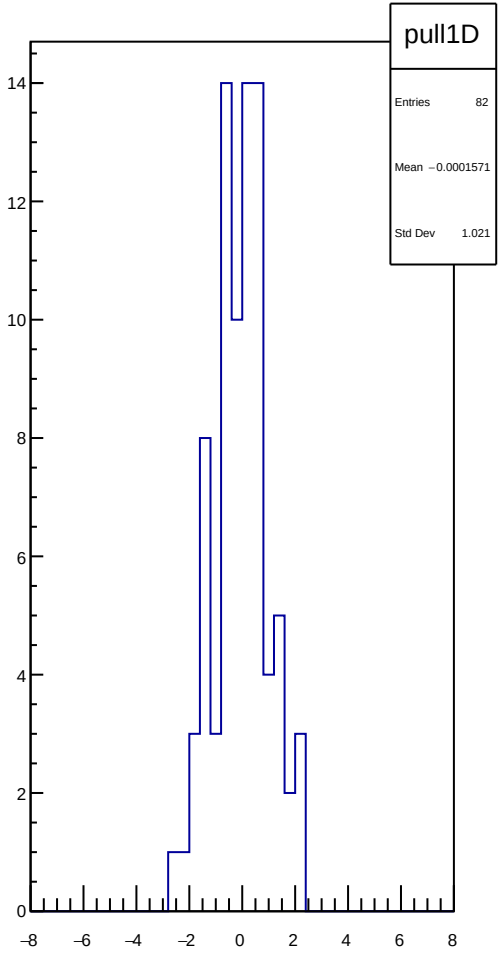

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 2545 / 81
p0 987.3 ± 0.7854
1150
1100
1050
1000
950

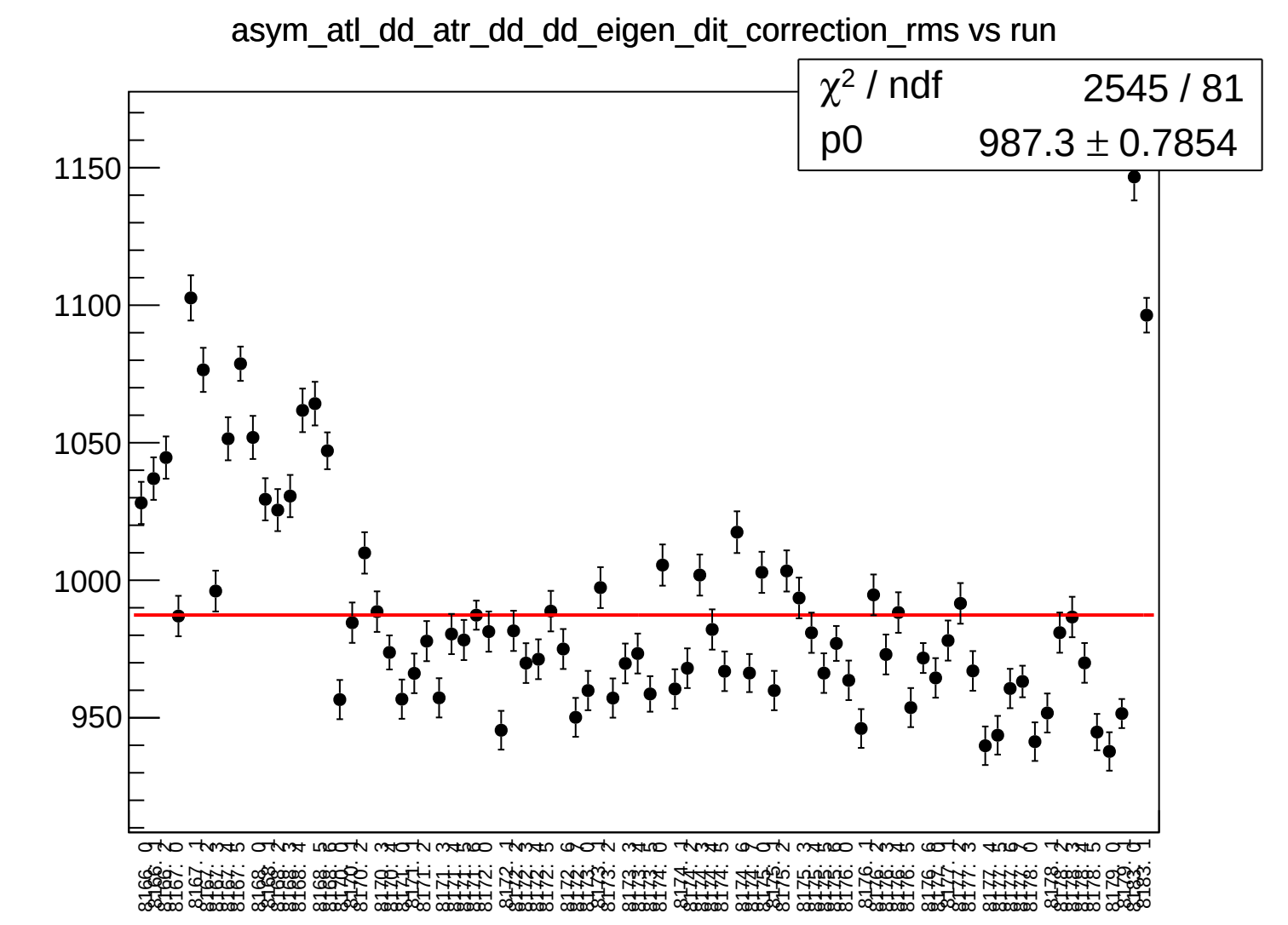

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 46 / 81
p0 −2379 ± 1454
pull
Entries 82
Mean 1983
Std Dev 0

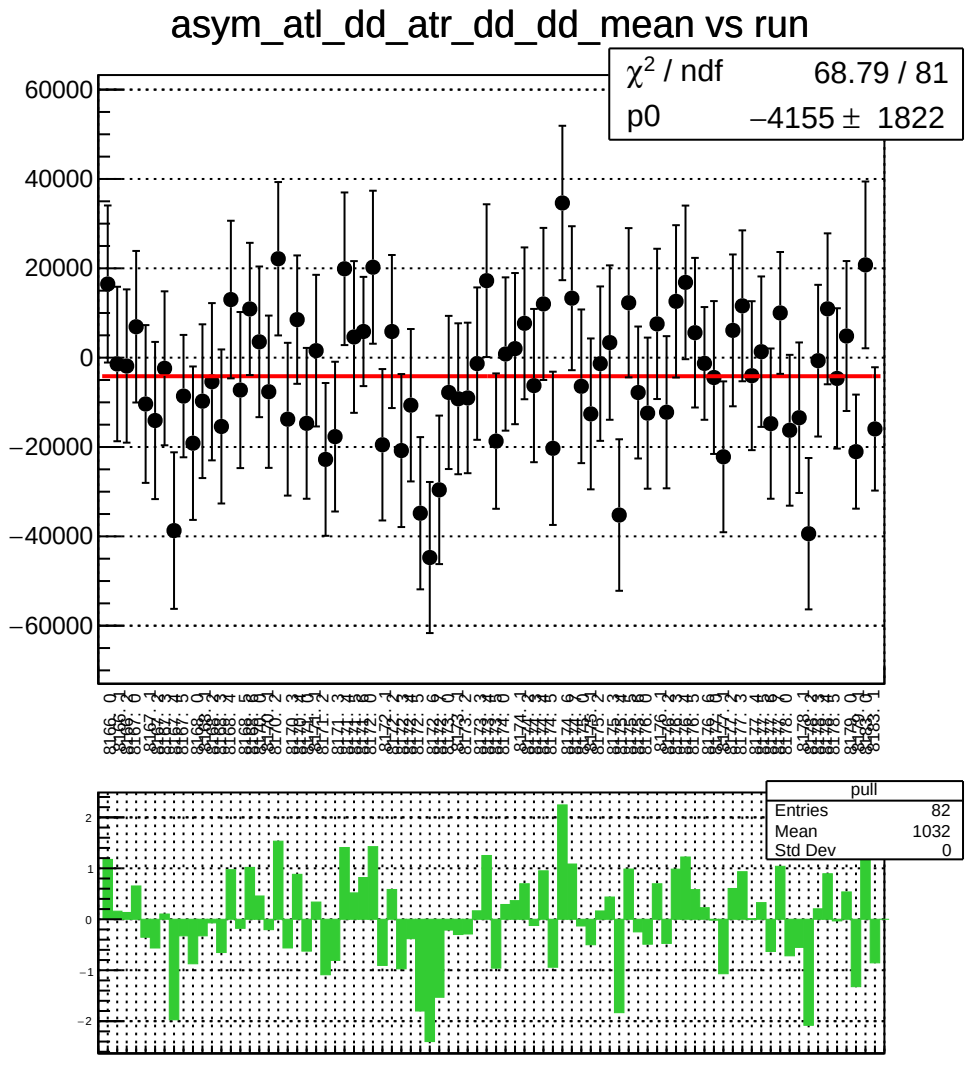

pull1D
Entries 82
Mean 0.0001115
Std Dev 0.749

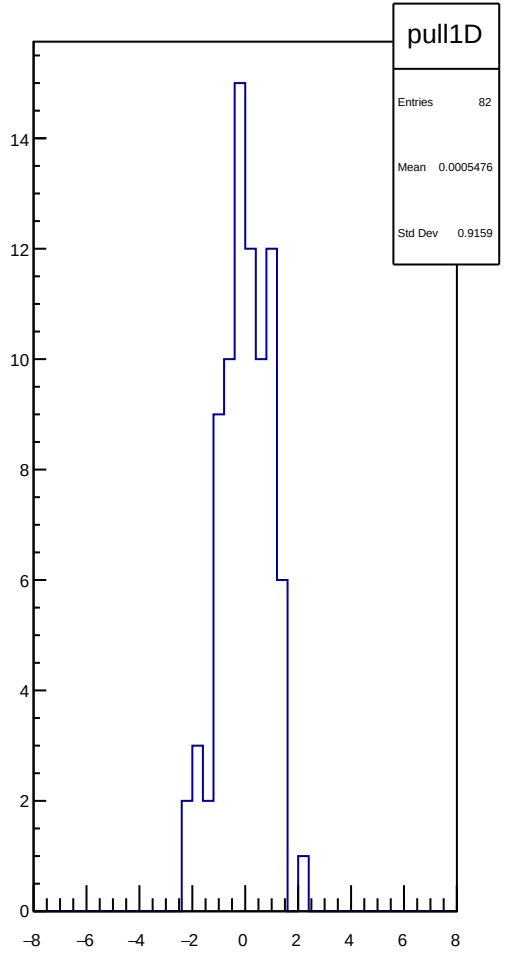

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 207.2 / 81
p0 1294 ± 1.028
1380
1360
1340
1320
1300
1280
1260

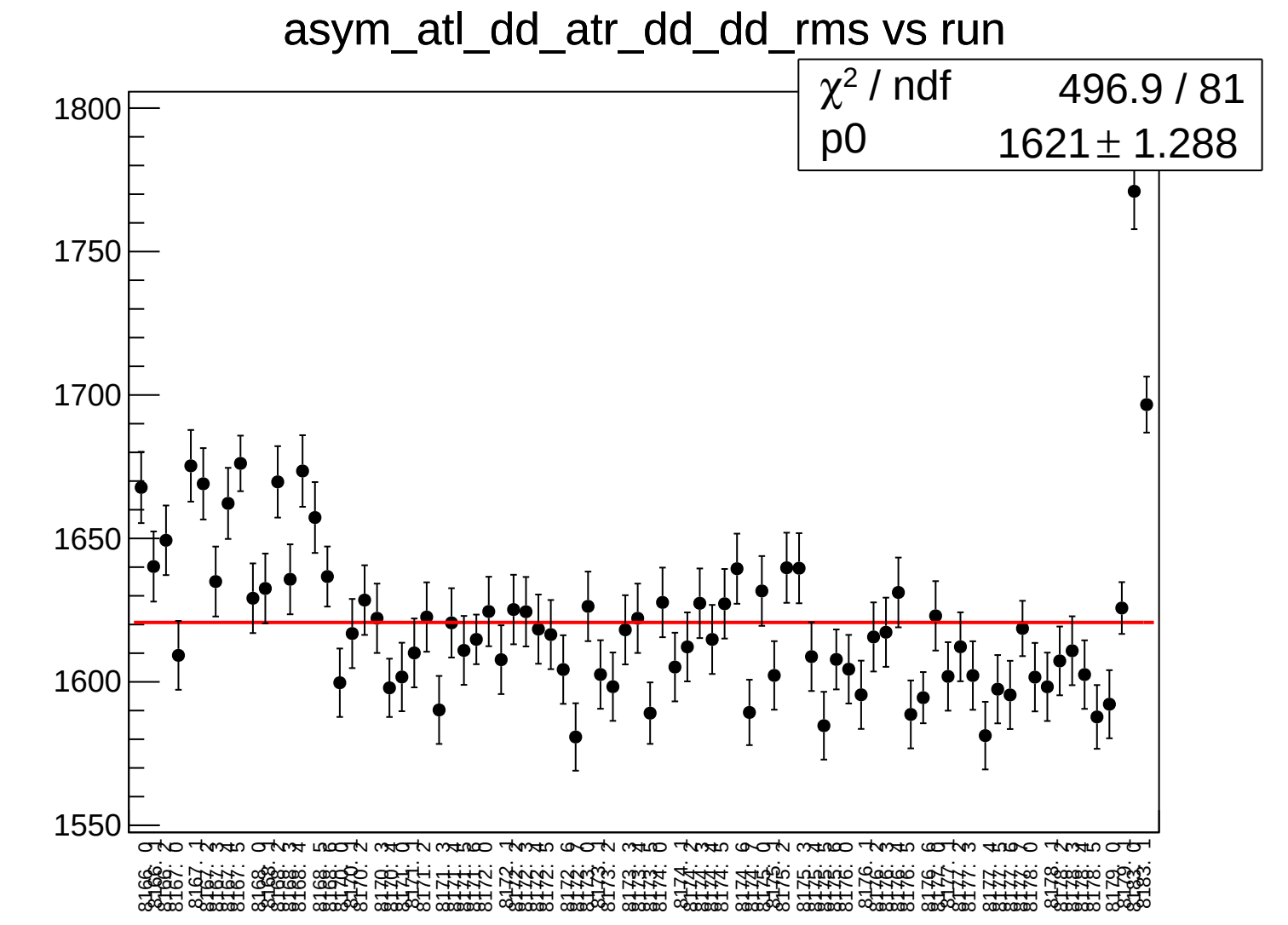

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.44 / 81
p0 1764 ± 1111
pull
Entries 82
Mean 3111
Std Dev 0

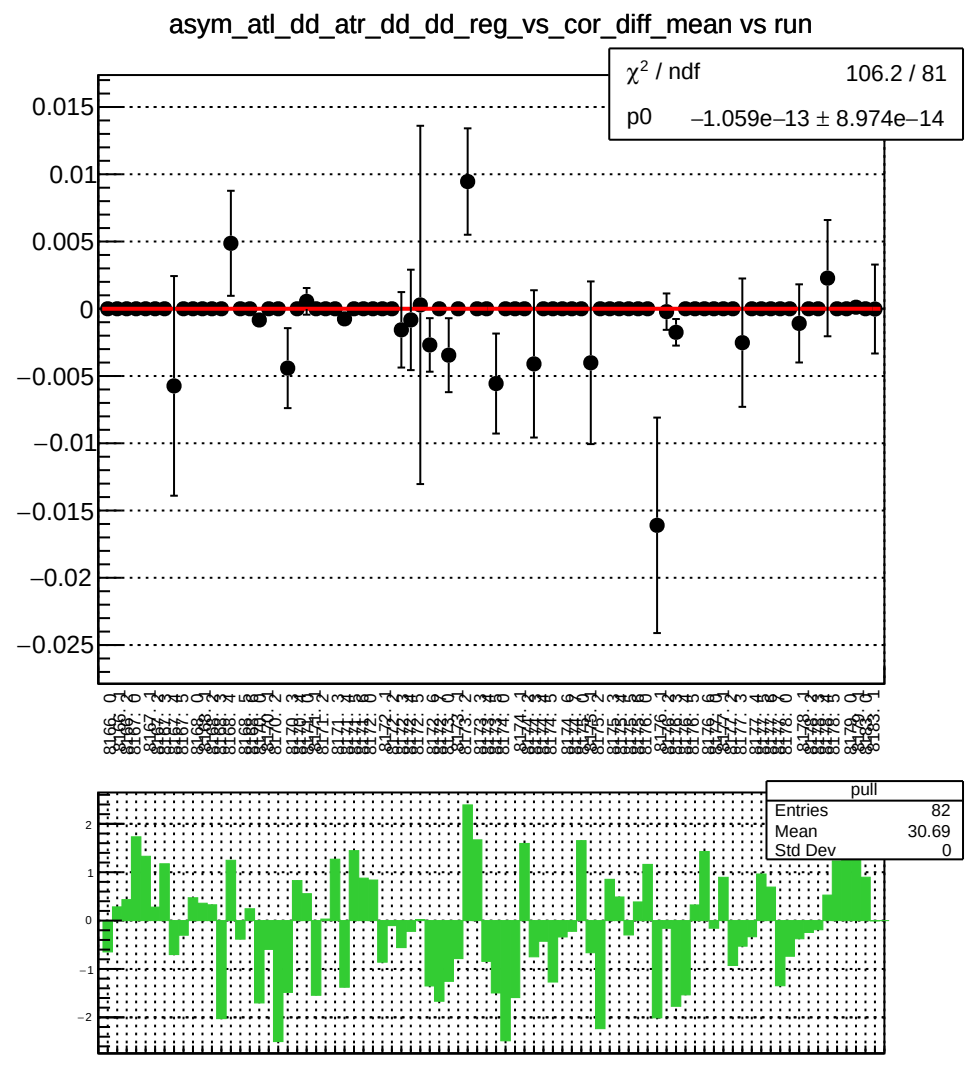

pull1D
Entries 82
Mean −0.0001571
Std Dev 1.021

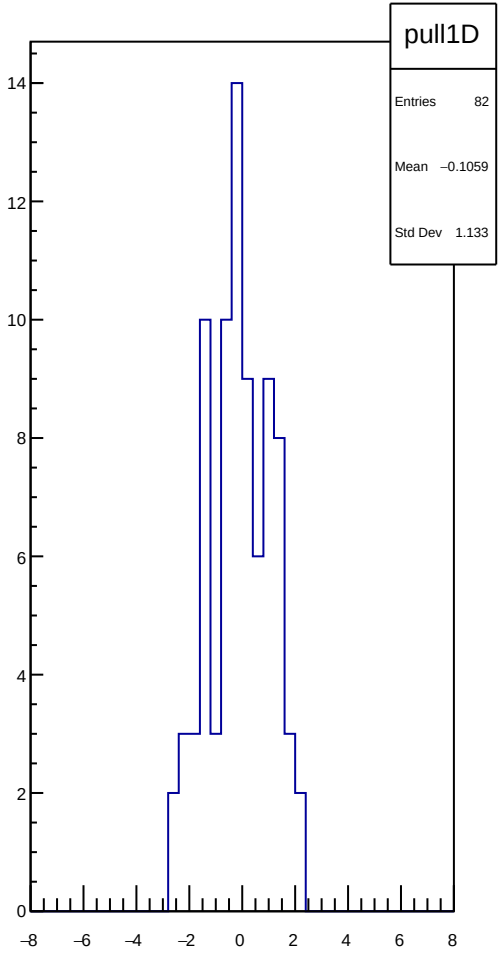

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2545 / 81
p0 987.3 ± 0.7854
1150
1100
1050
1000
950

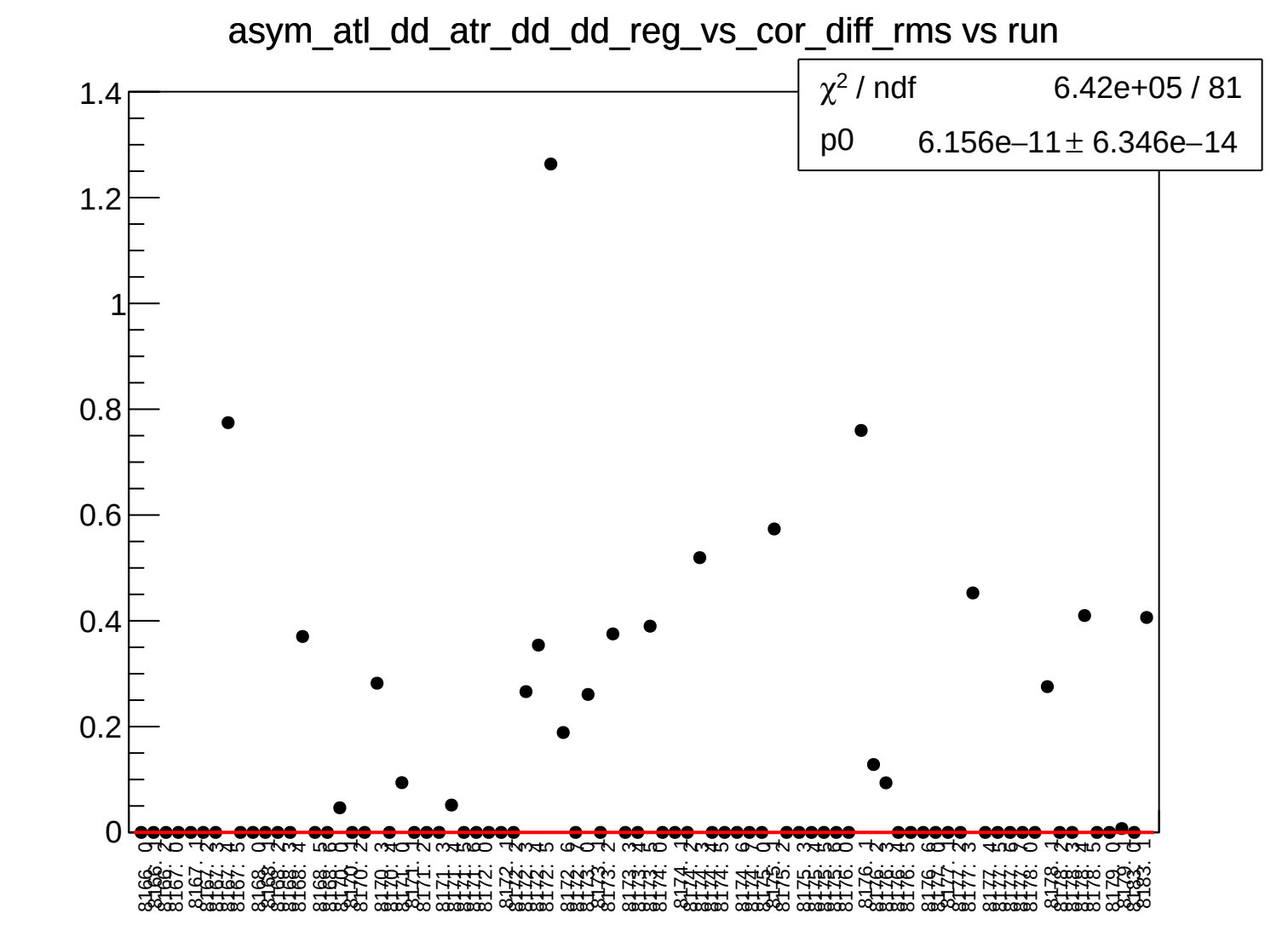

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 68.79 / 81
p0 −4155 ± 1822
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1032
Std Dev 0
2
1
0
−1
−2

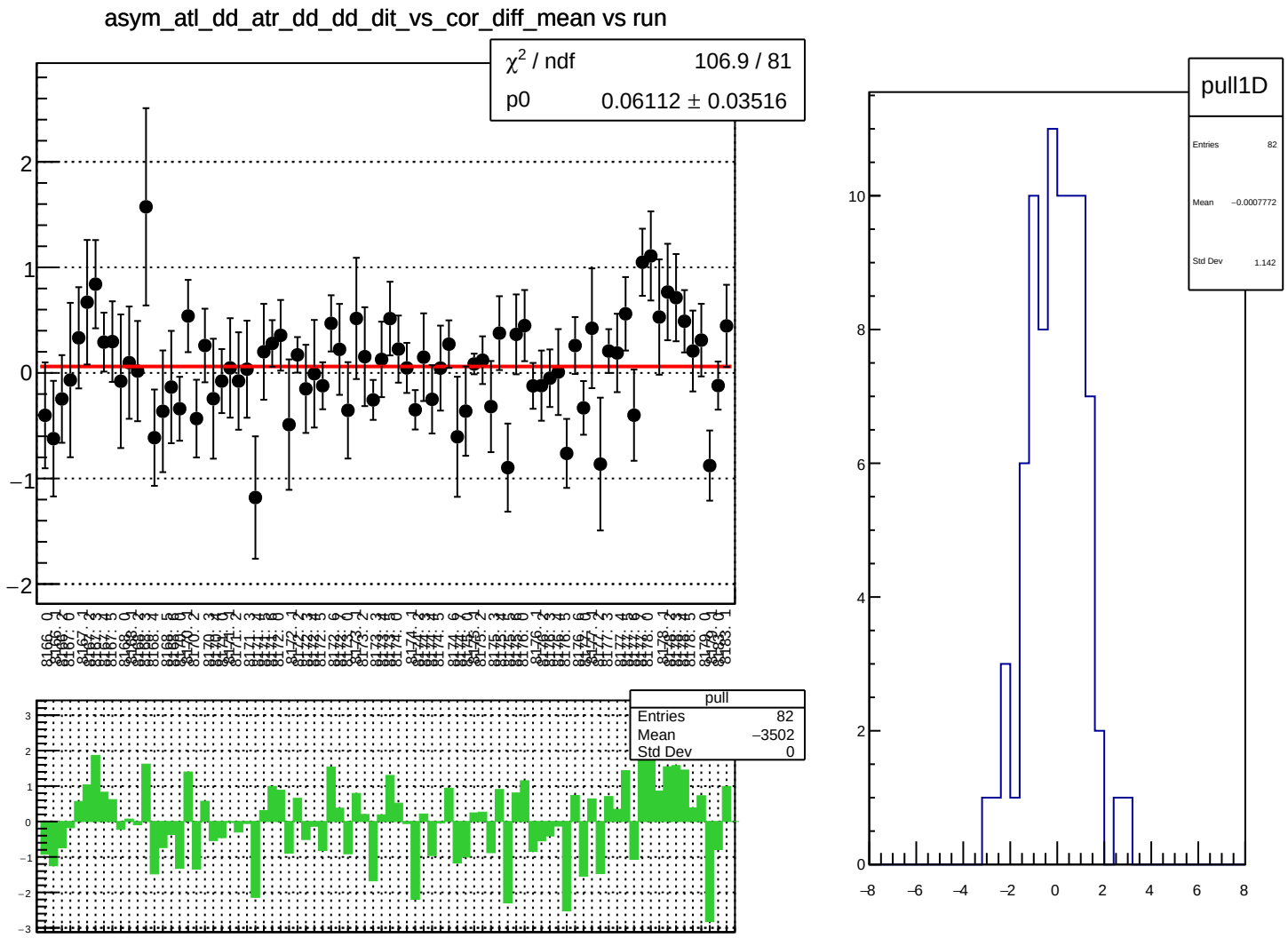

pull1D
Entries 82
Mean 0.0005476
Std Dev 0.9159
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

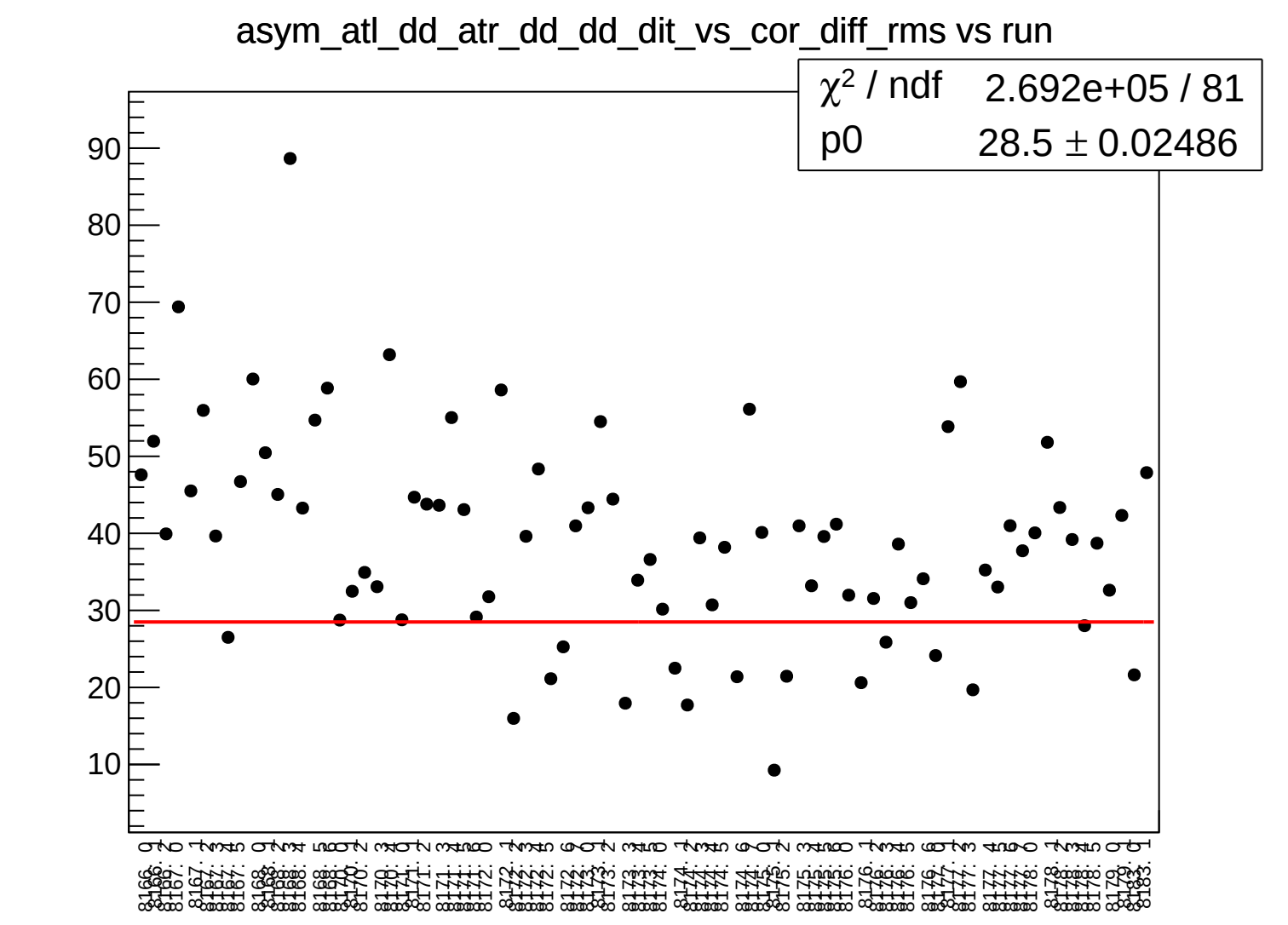

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 496.9 / 81
p0 1621 ± 1.288
1800
1750
1700
1650
1600
1550

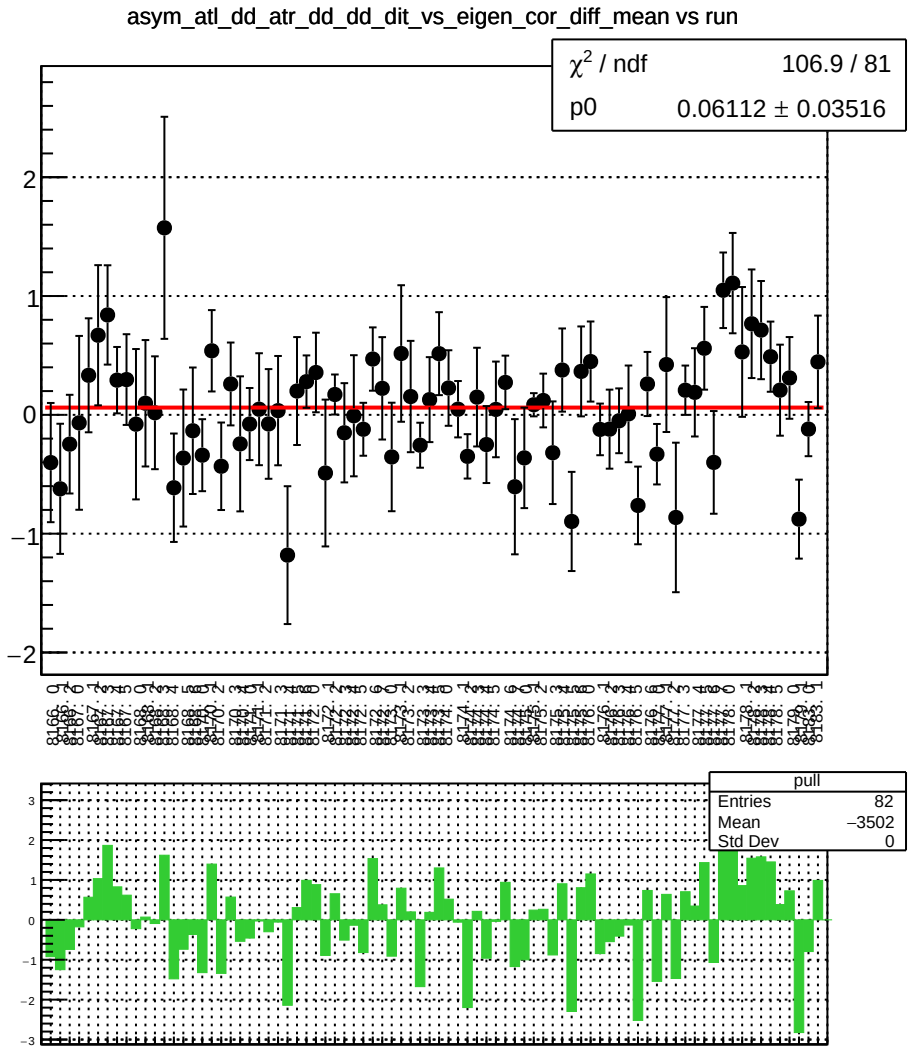

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 106.2 / 81
p0 −1.059e−13 ± 8.974e−14
pull
Entries 82
Mean 30.69
Std Dev 0

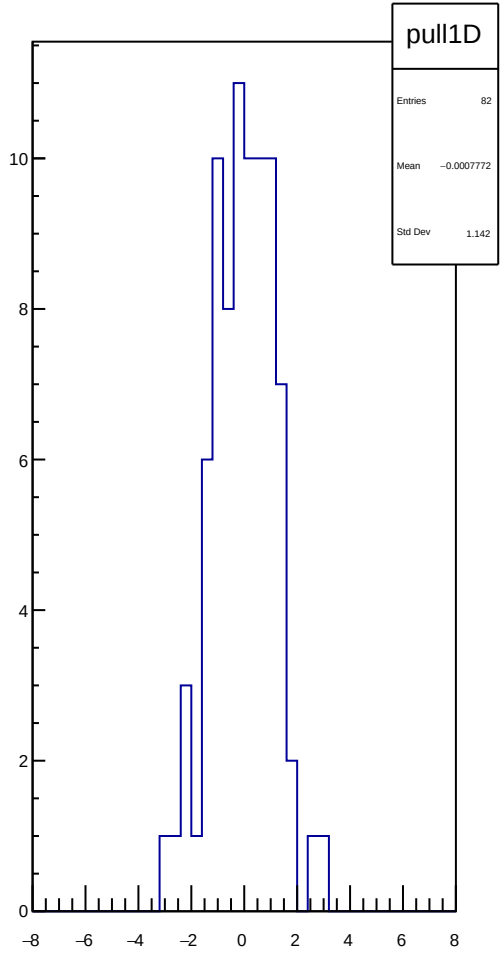

pull1D
Entries 82
Mean −0.1059
Std Dev 1.133

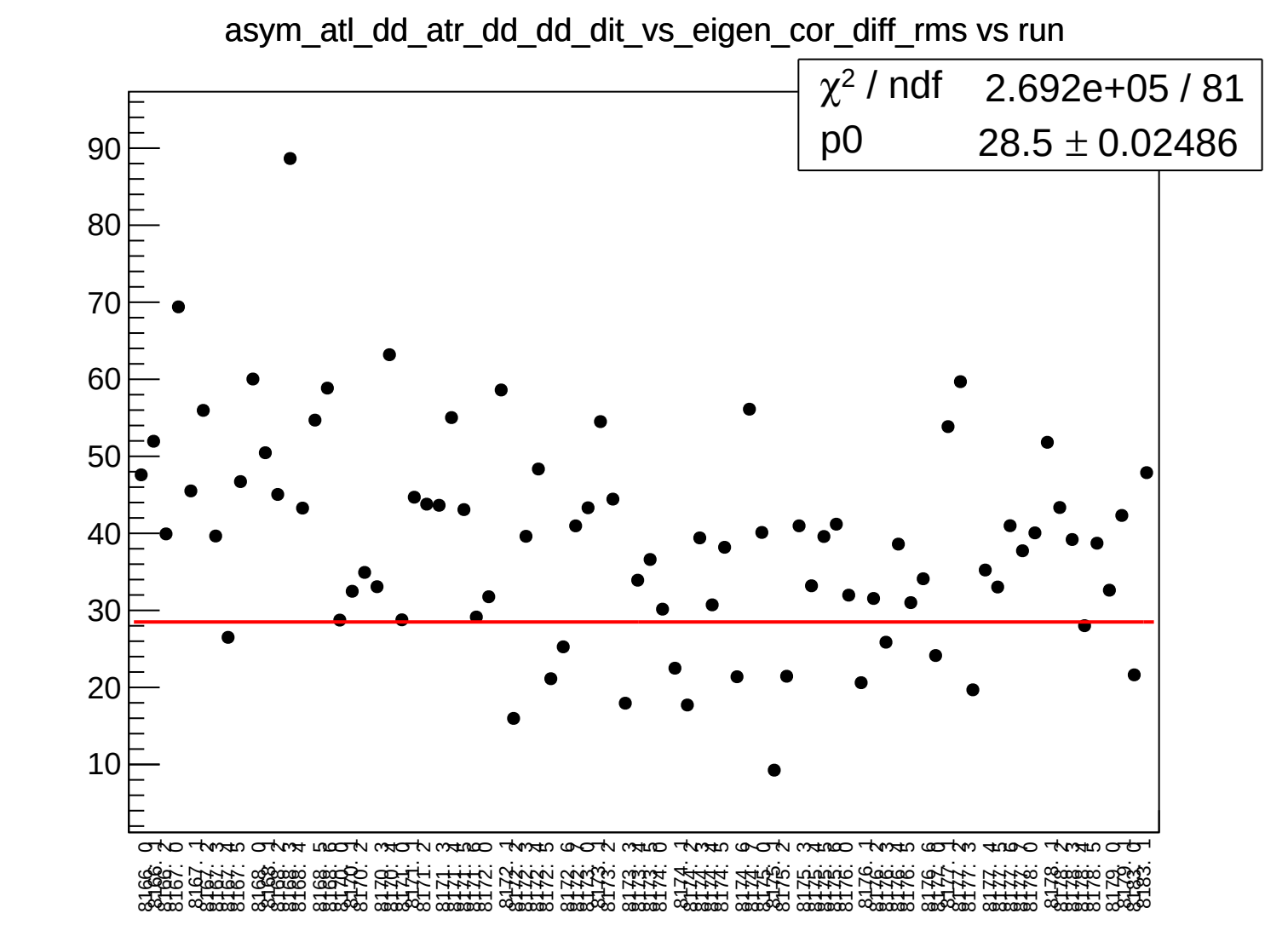

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.42e+05 / 81
p0 6.156e−11 ± 6.346e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

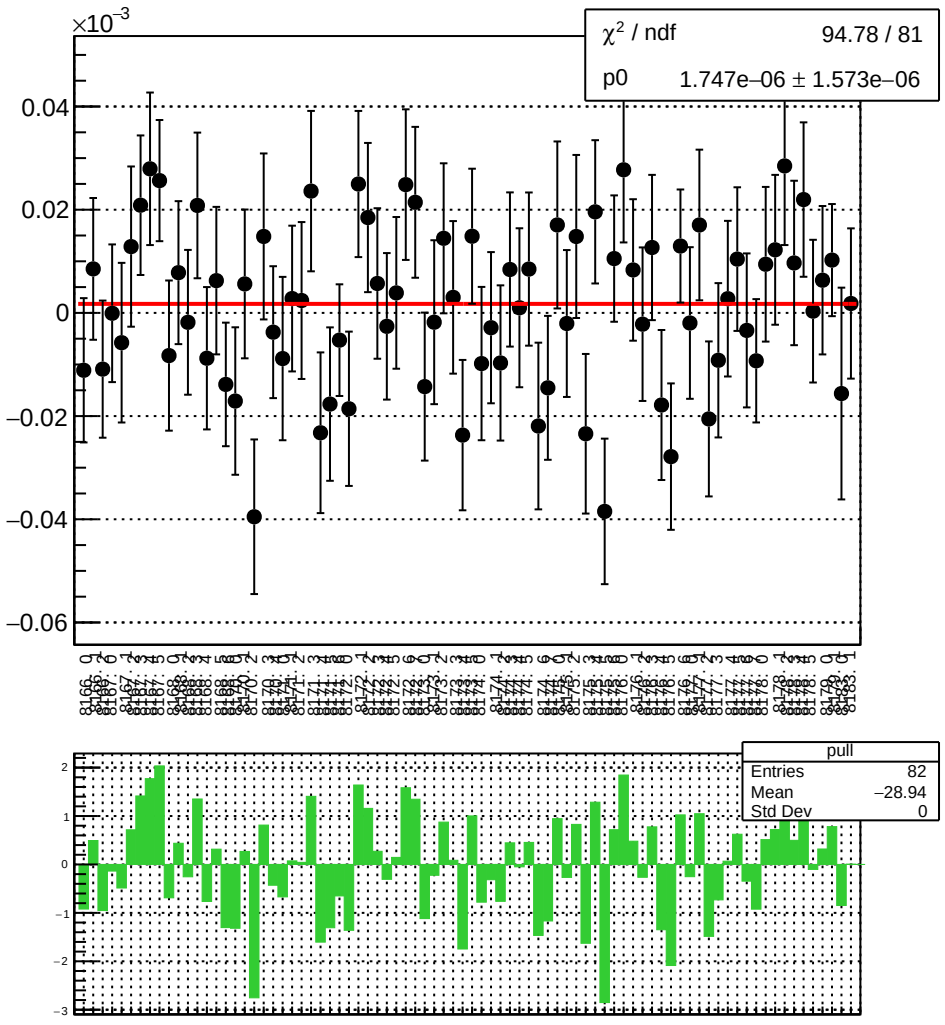

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3502
Std Dev 0
pull1D
Entries 82
Mean −0.0007772
Std Dev 1.142

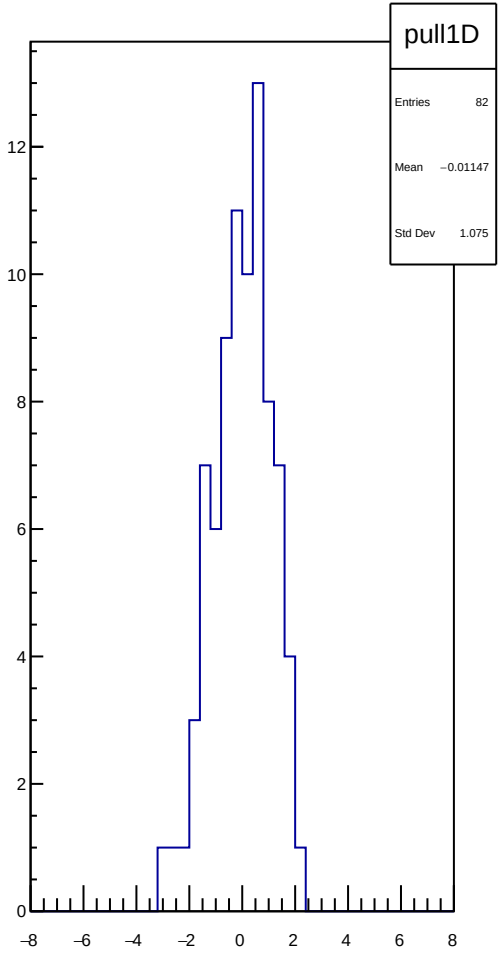

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

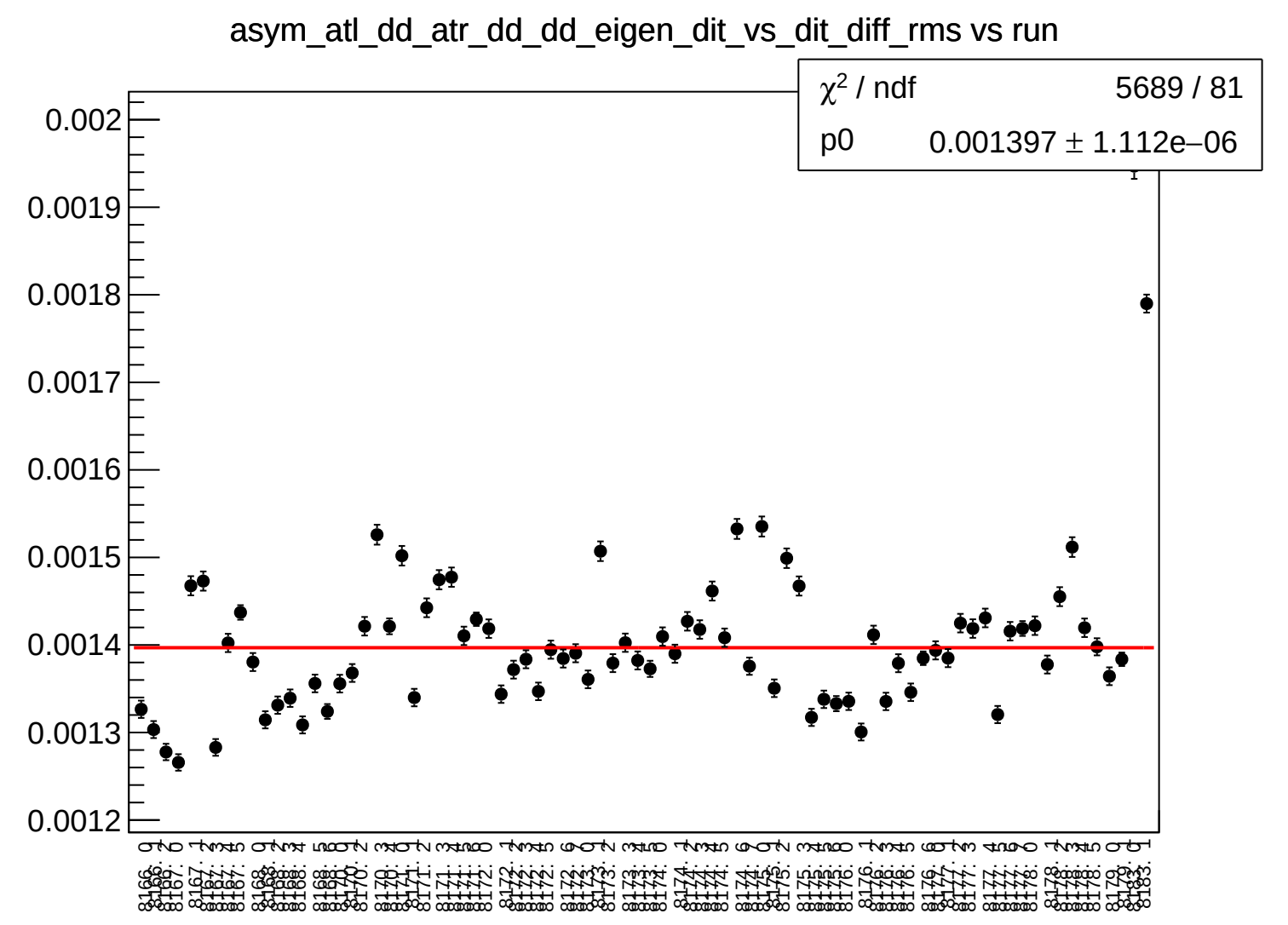

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3502
Std Dev 0

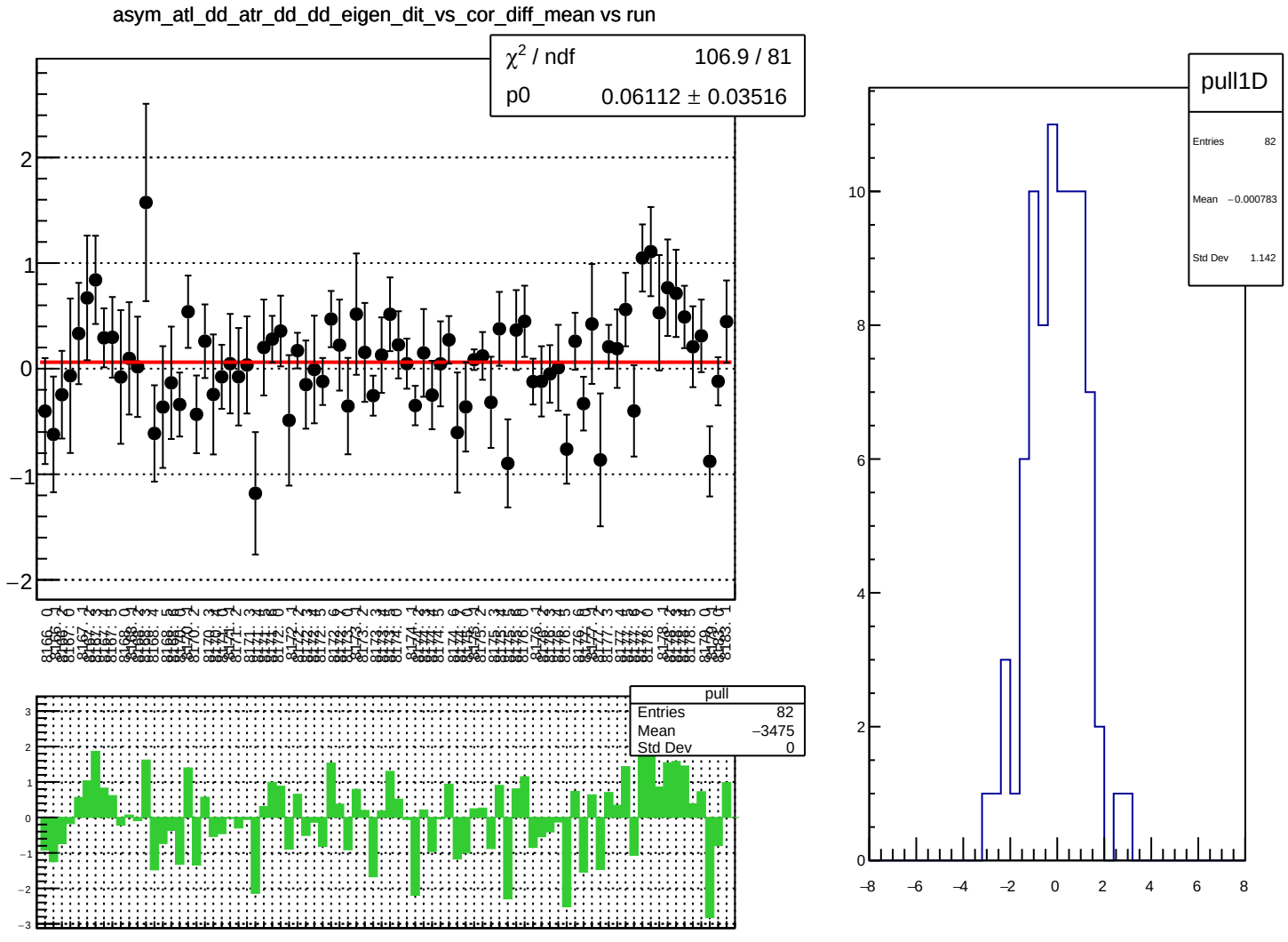

pull1D
Entries 82
Mean −0.0007772
Std Dev 1.142

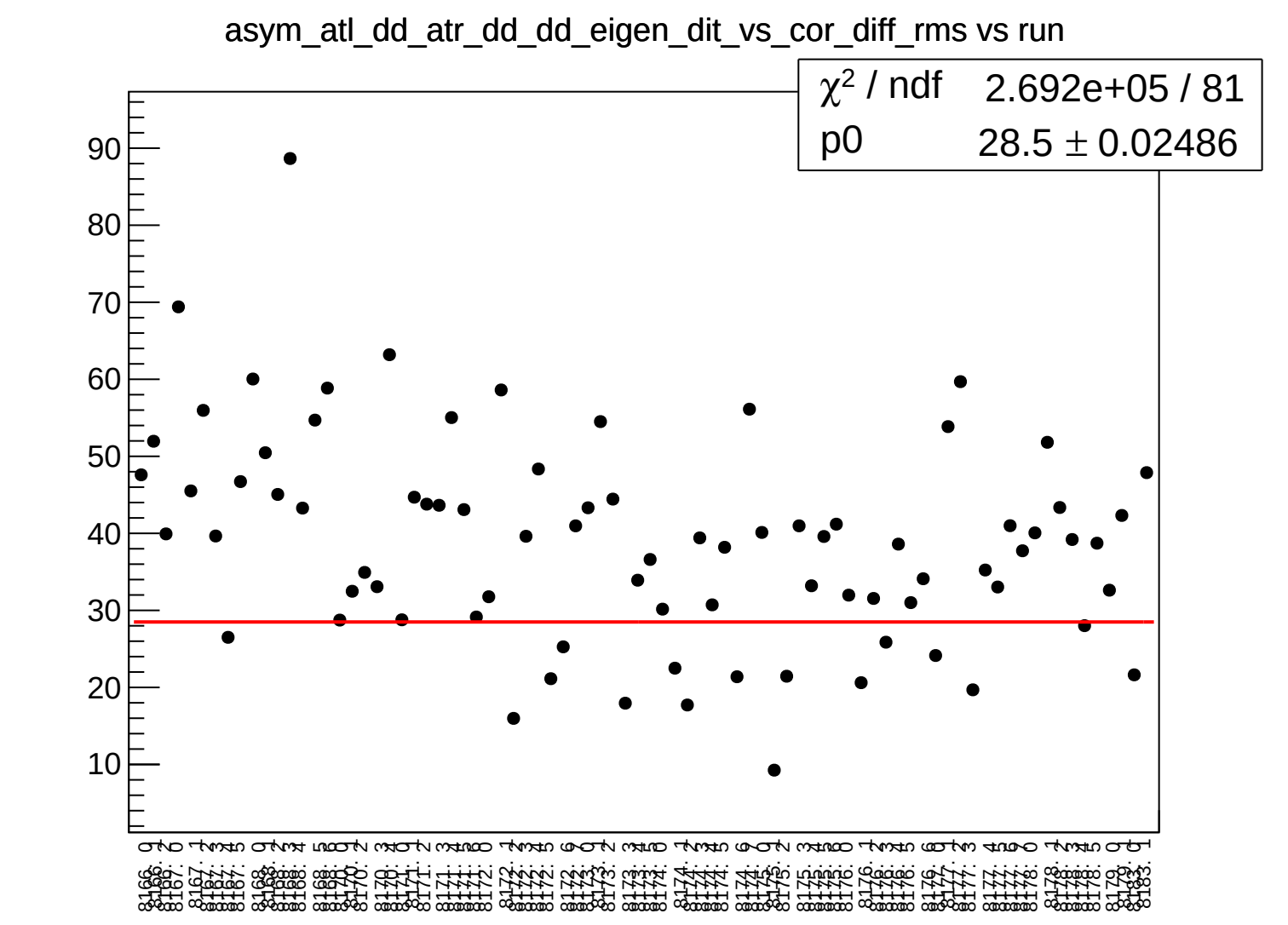

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

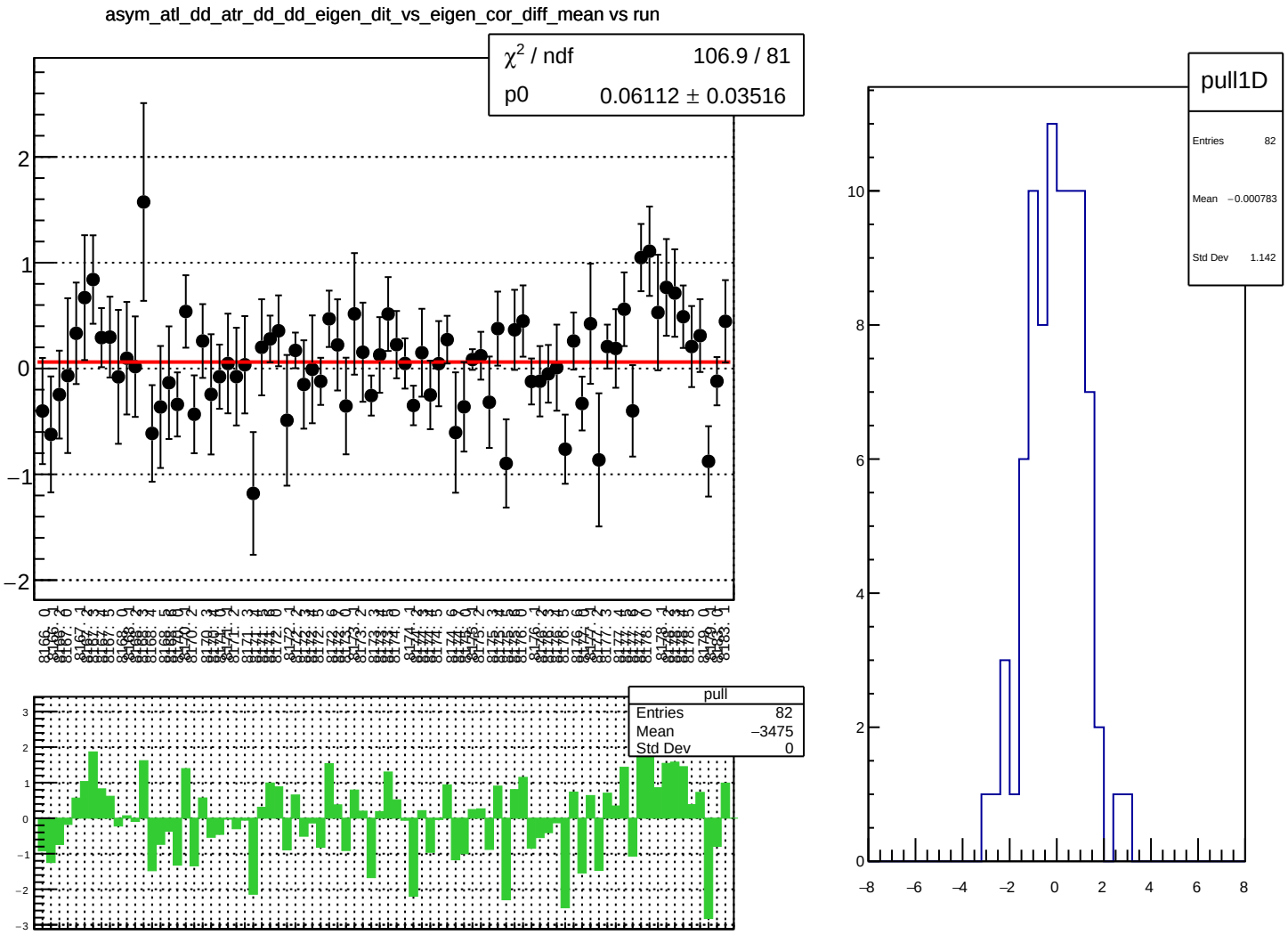

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.78 / 81
p0 1.747e−06 ± 1.573e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 82
Mean −28.94
Std Dev 0
2
1
0
−1
−2
−3

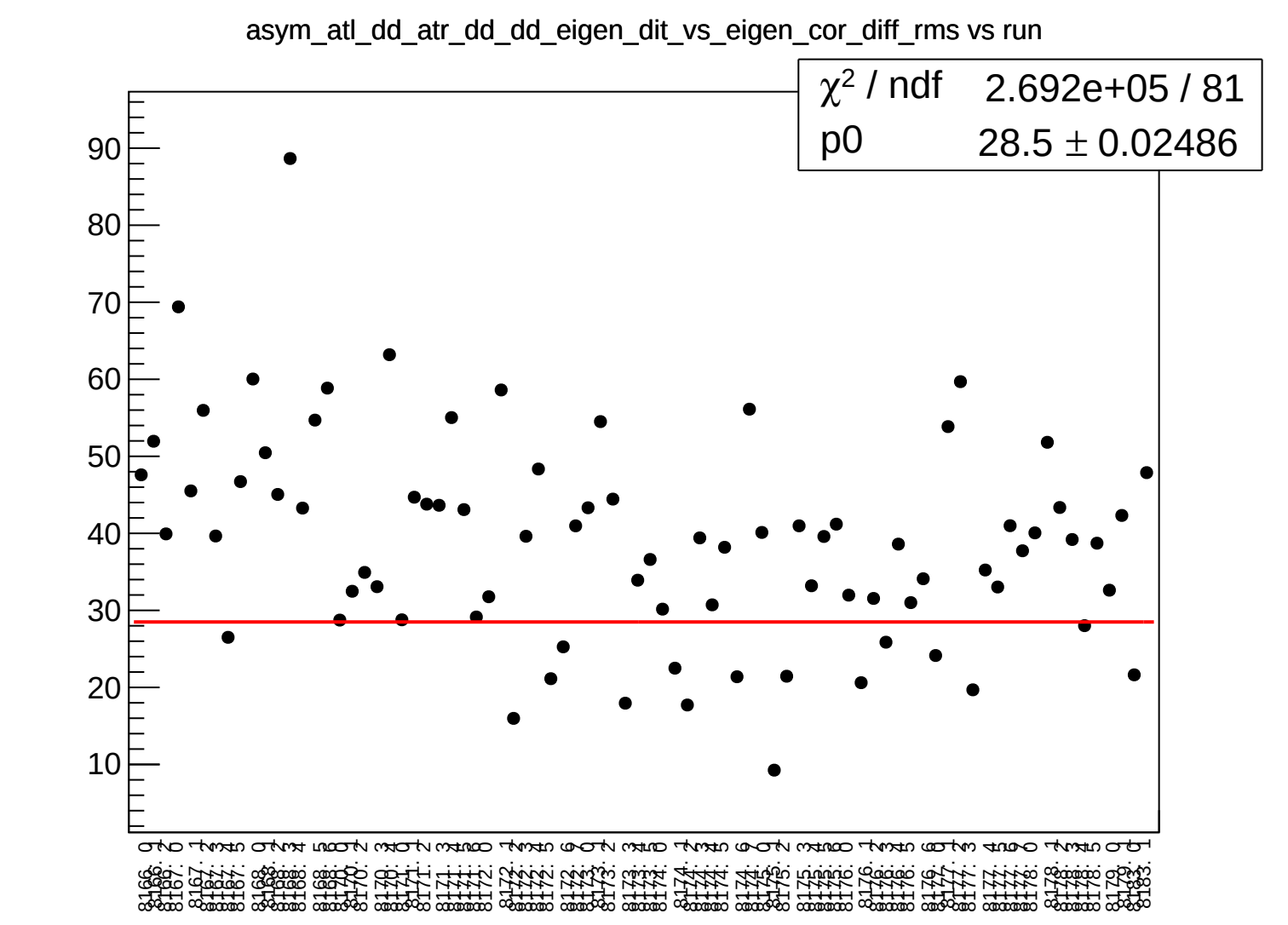

pull1D
Entries 82
Mean −0.01147
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

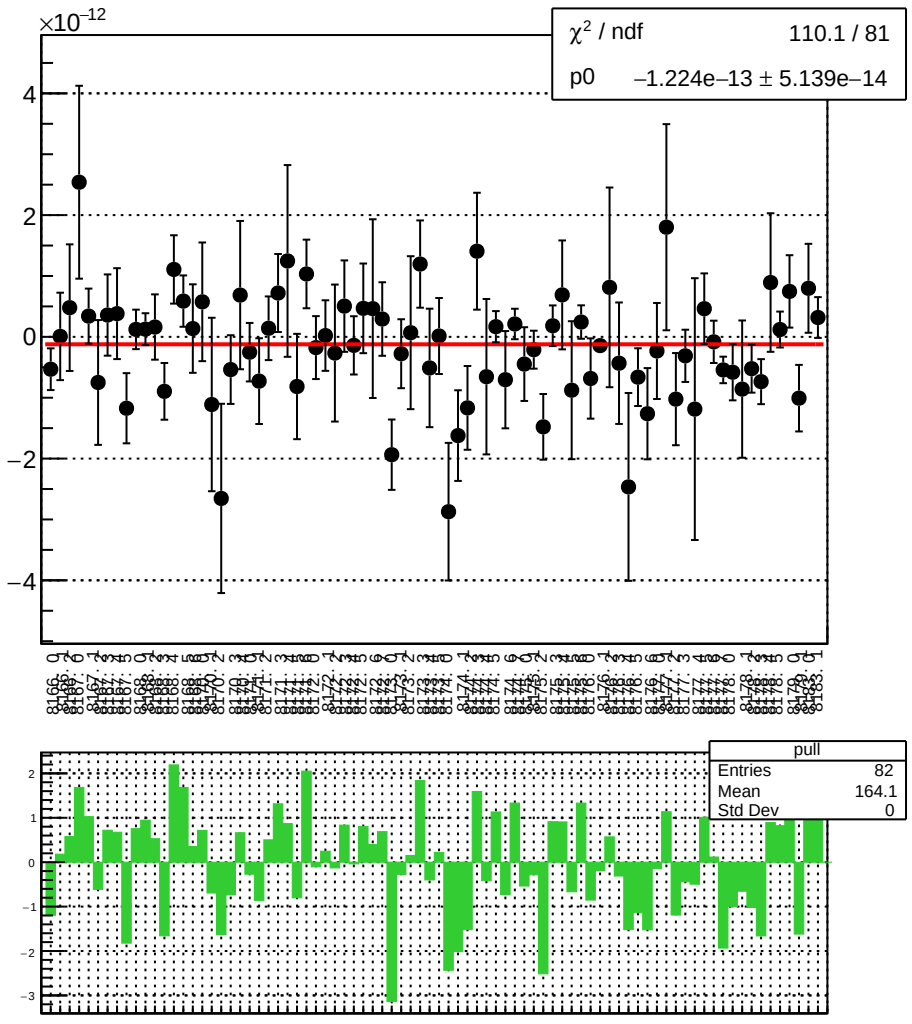

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5689 / 81
p0 0.001397 ± 1.112e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012

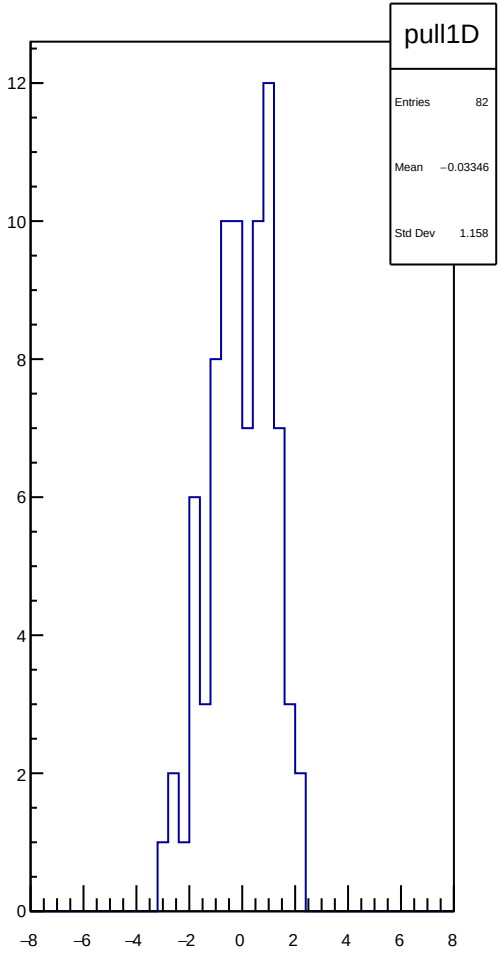

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3475
Std Dev 0
pull1D
Entries 82
Mean −0.000783
Std Dev 1.142

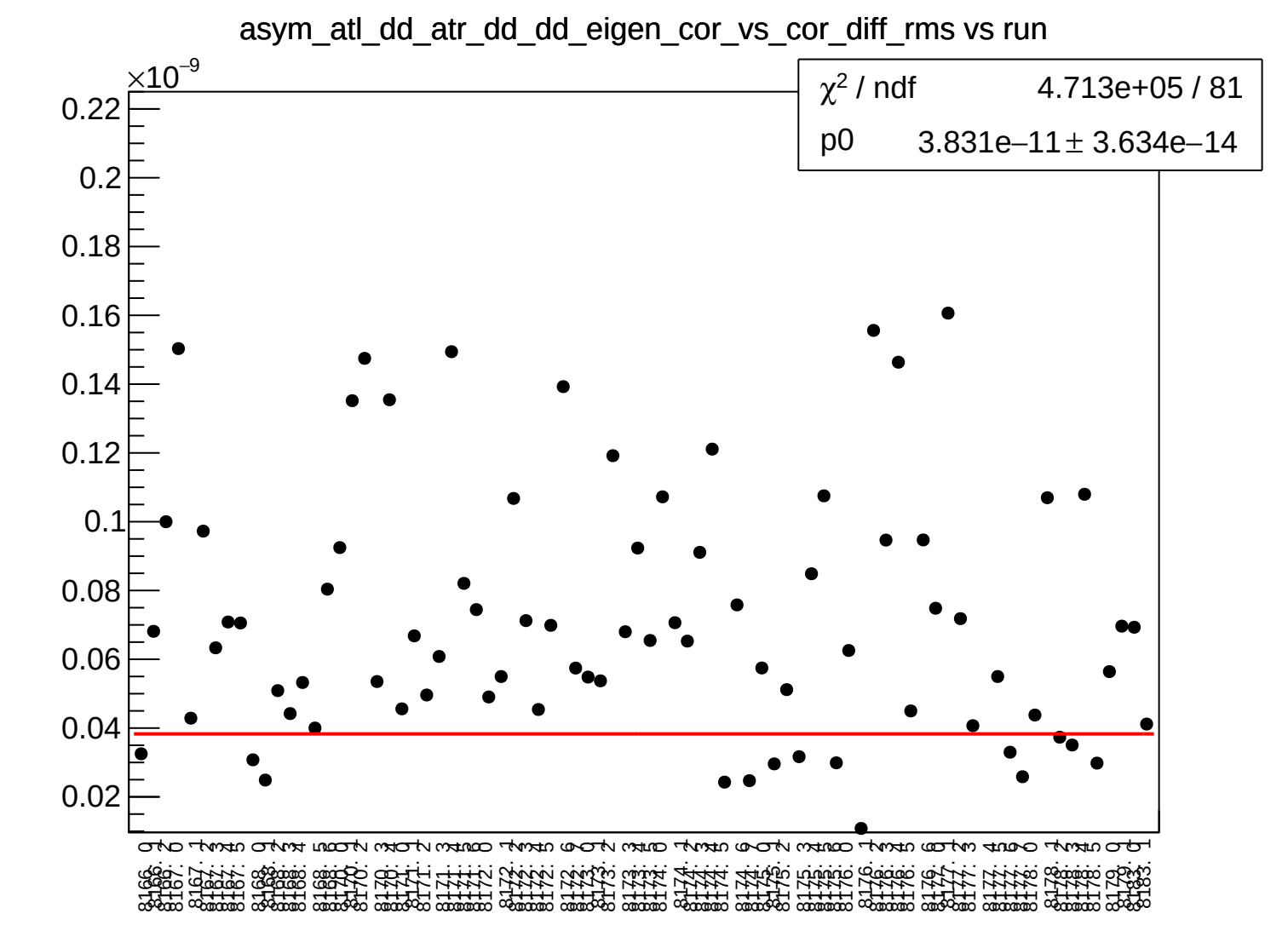

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

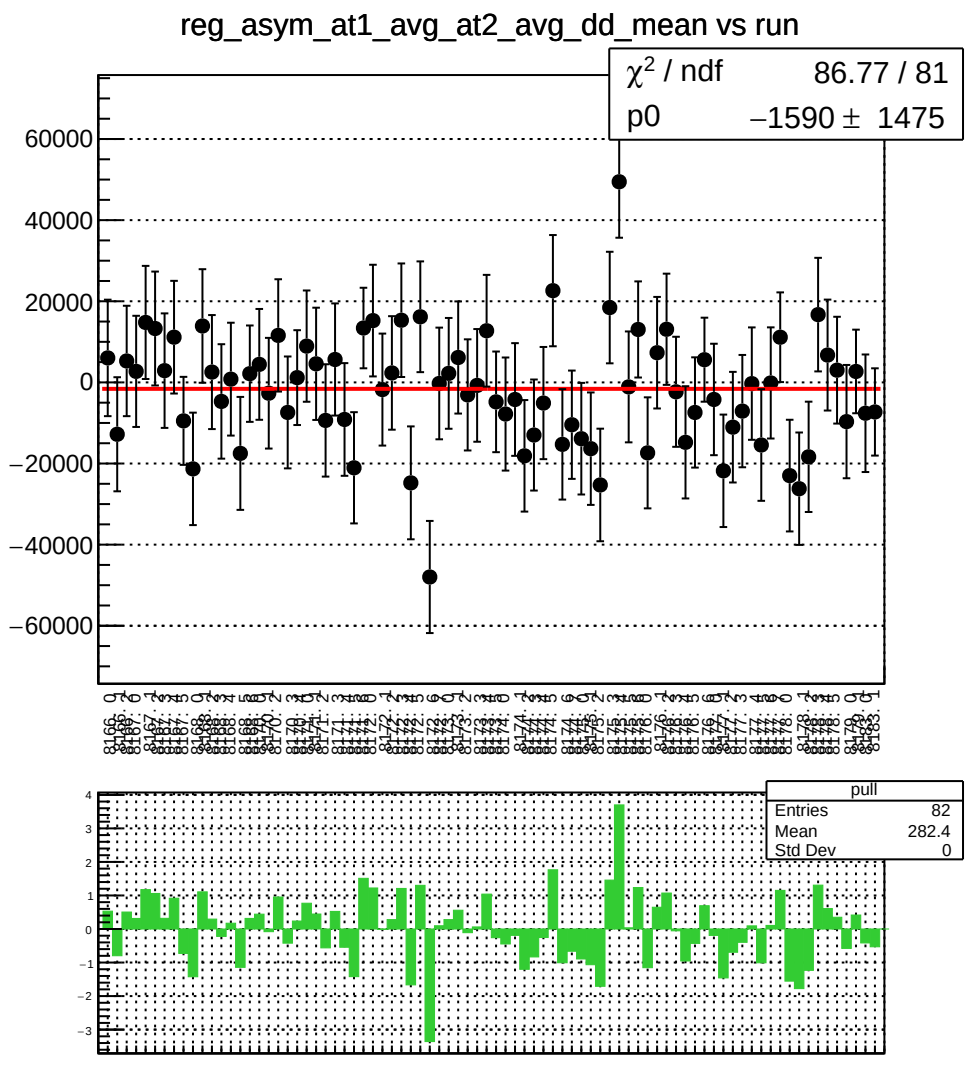

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3475
Std Dev 0
pull1D
Entries 82
Mean −0.000783
Std Dev 1.142

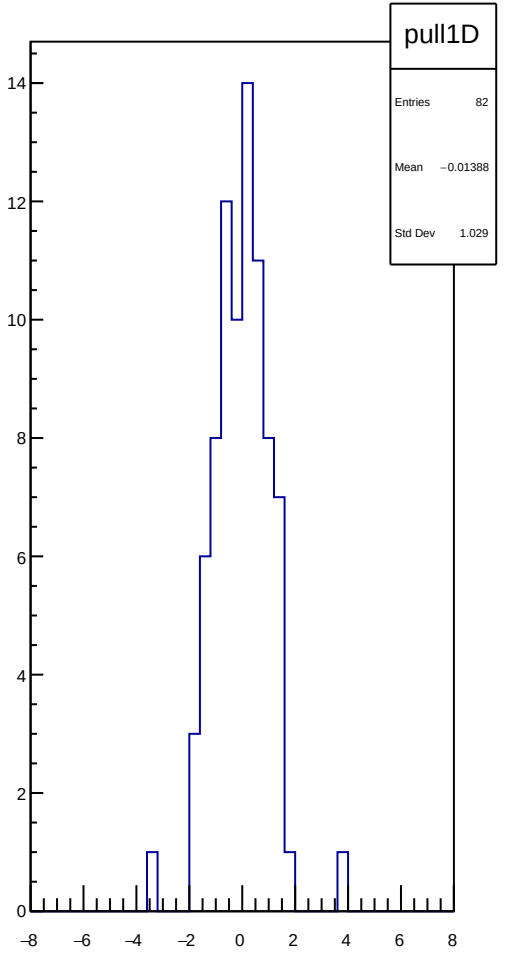

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

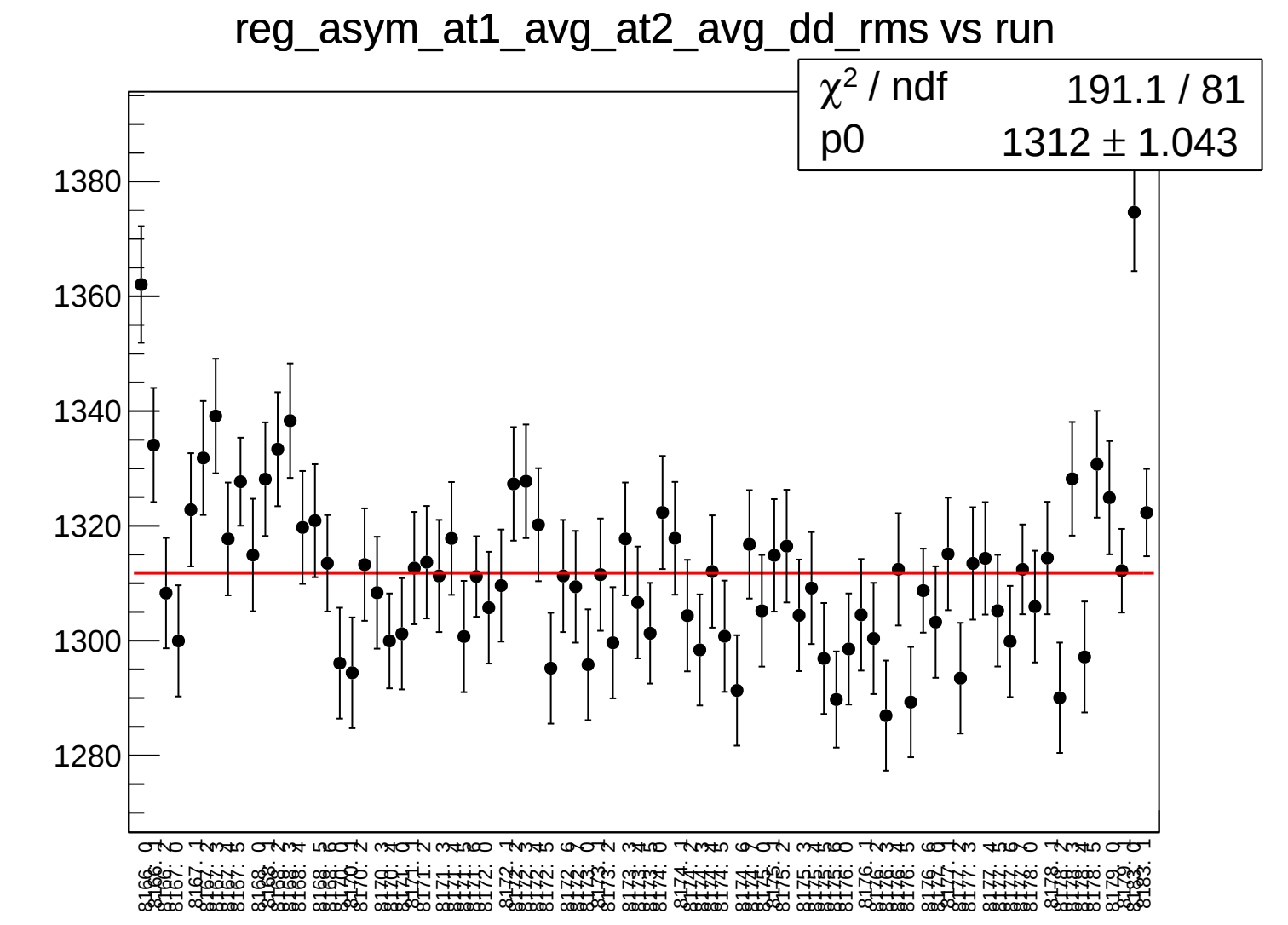

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 110.1 / 81
p0 −1.224e−13 ± 5.139e−14
pull
Entries 82
Mean 164.1
Std Dev 0

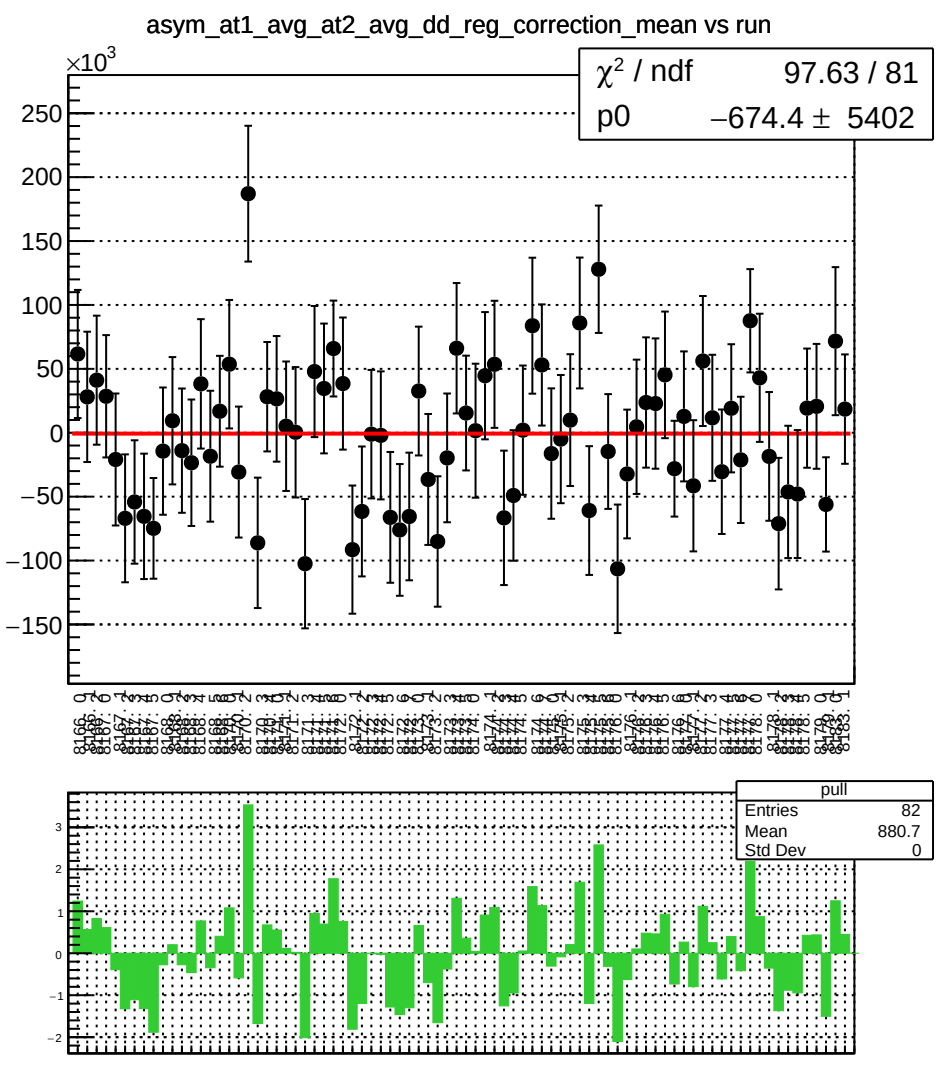

pull1D
Entries 82
Mean −0.03346
Std Dev 1.158

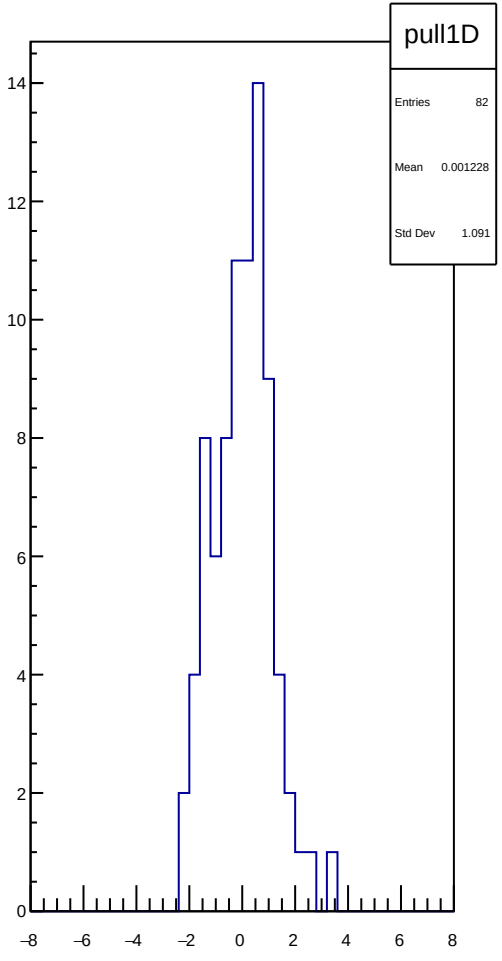

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.713e+05 / 81
p0 3.831e−11 ± 3.634e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

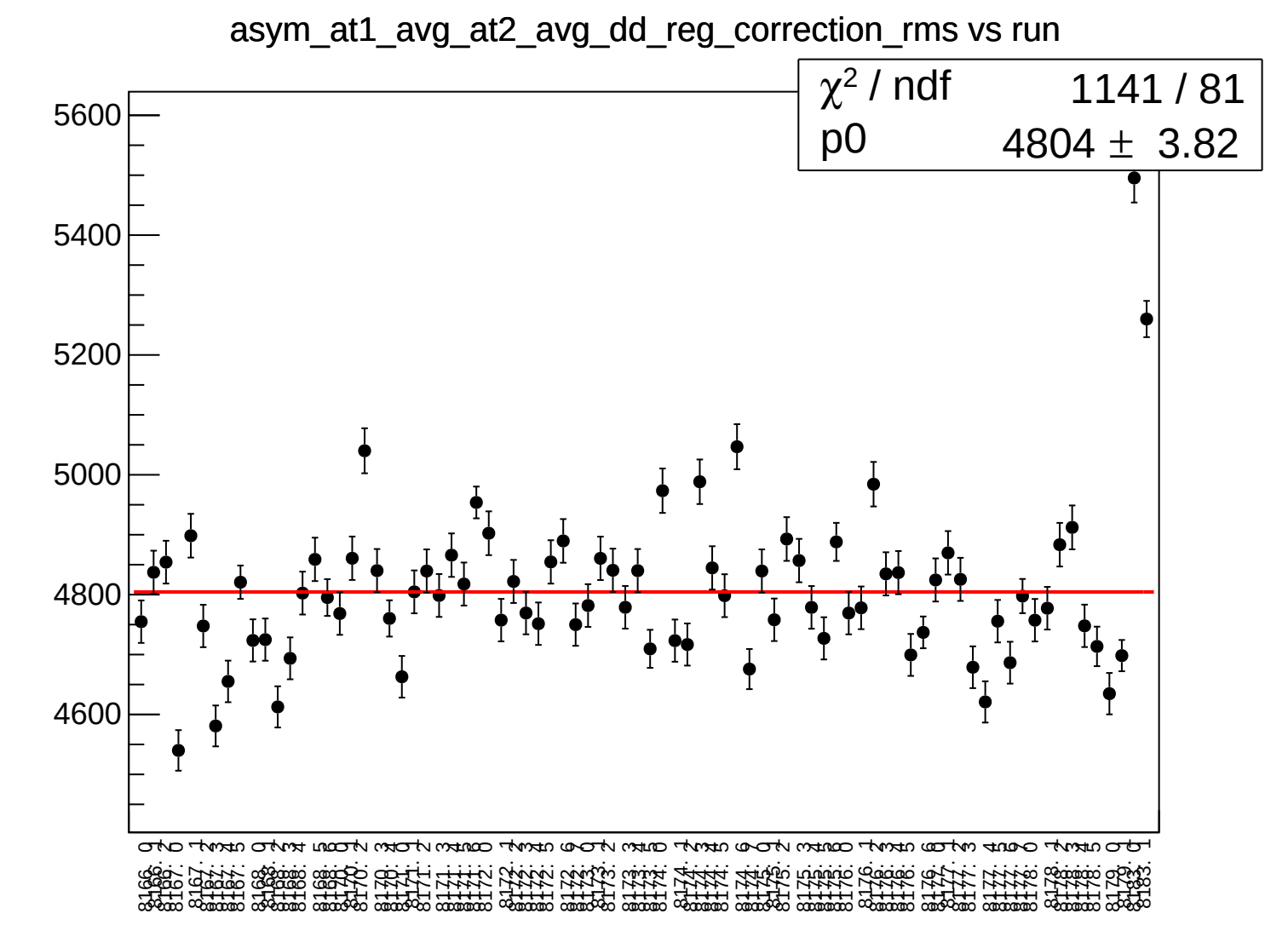

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 282.4
Std Dev 0
4
3
2
1
0
−1
−2
−3

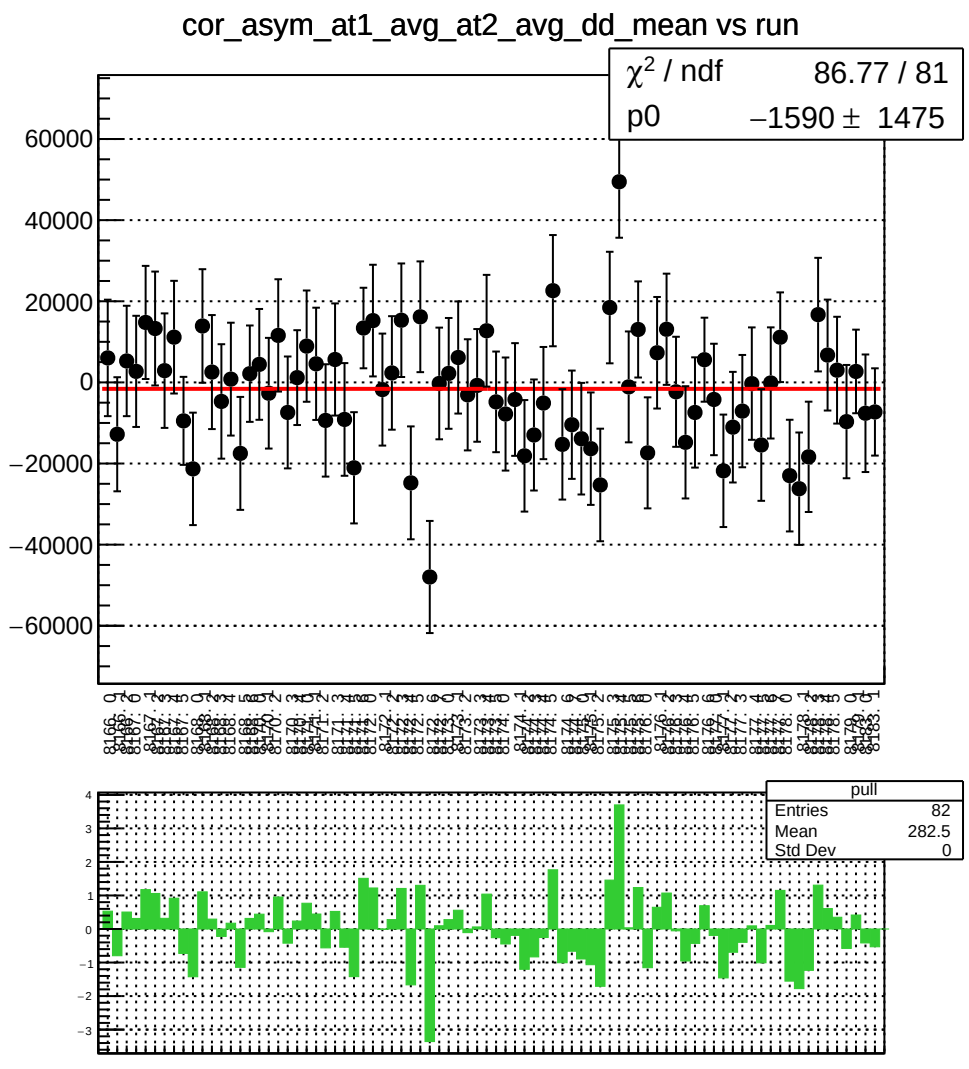

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

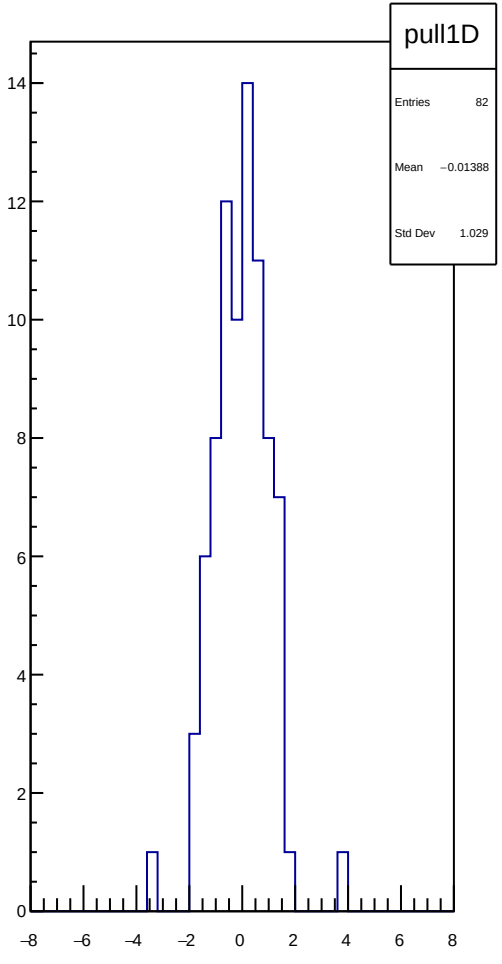

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

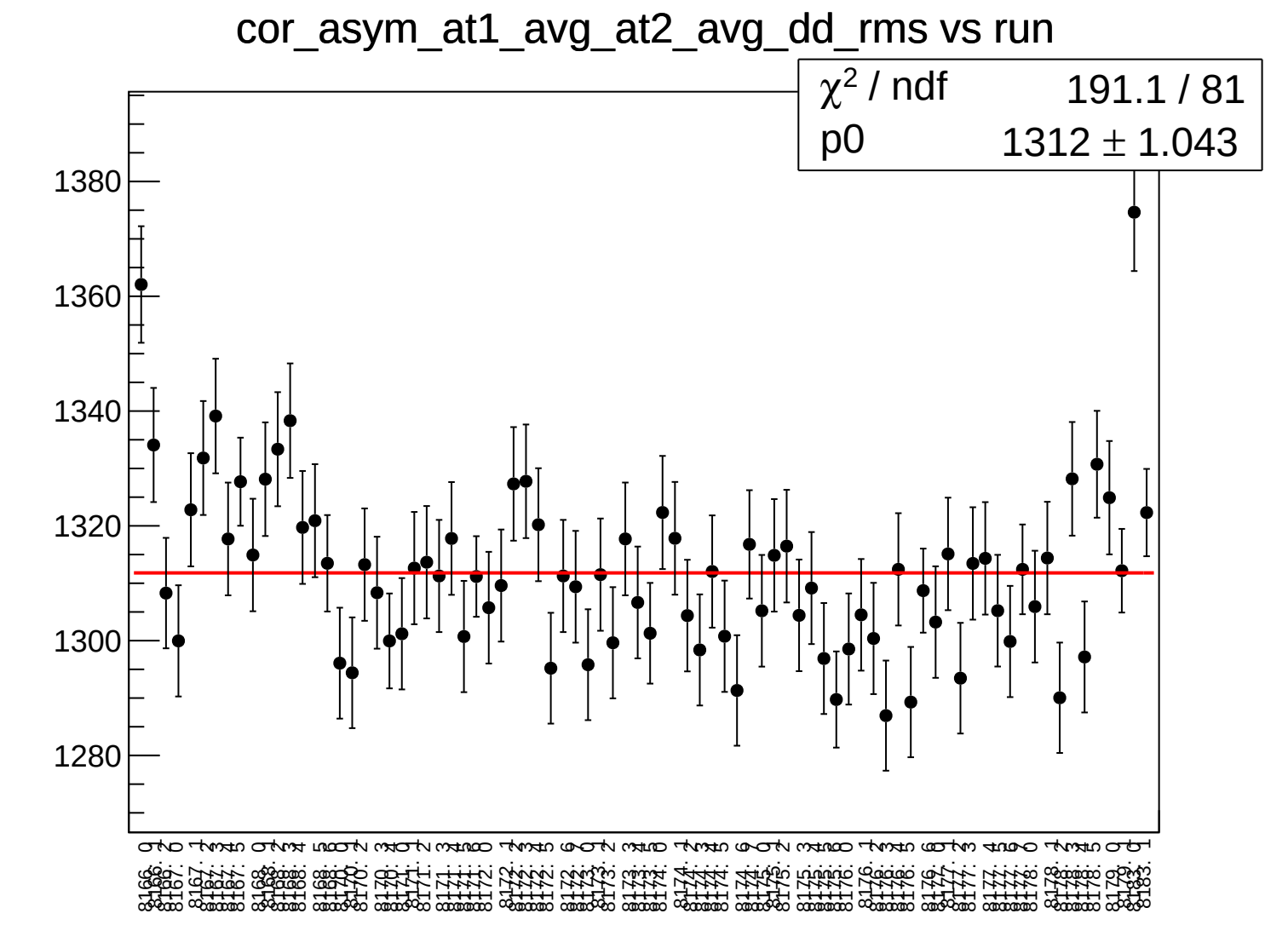

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.4 ± 5402
pull
Entries 82
Mean 880.7
Std Dev 0

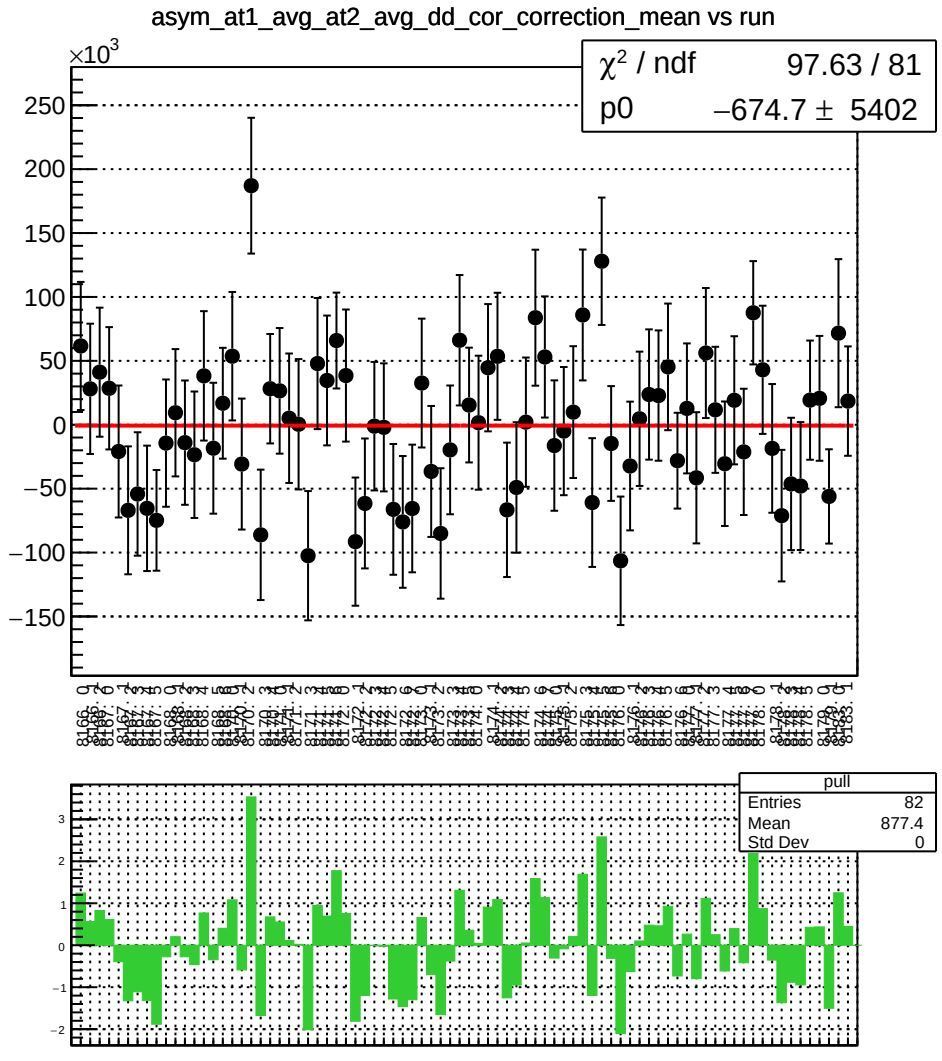

pull1D
Entries 82
Mean 0.001228
Std Dev 1.091

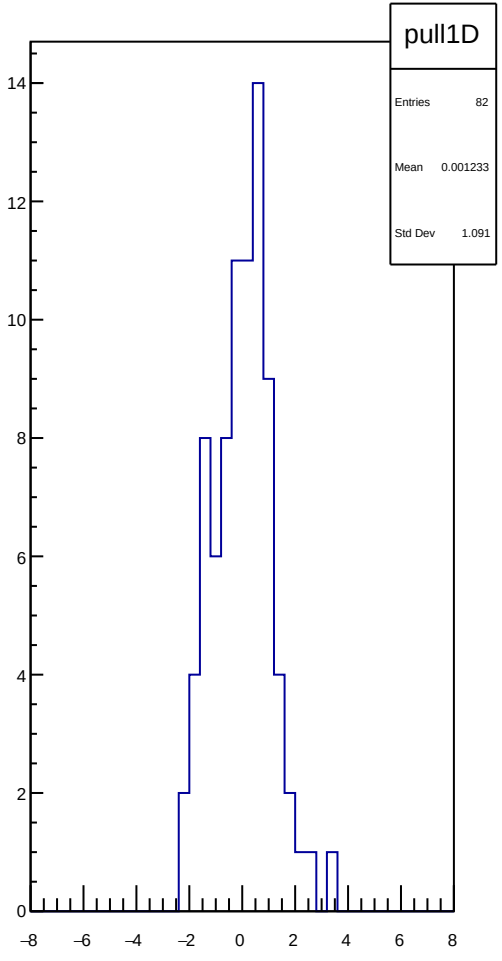

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 1141 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

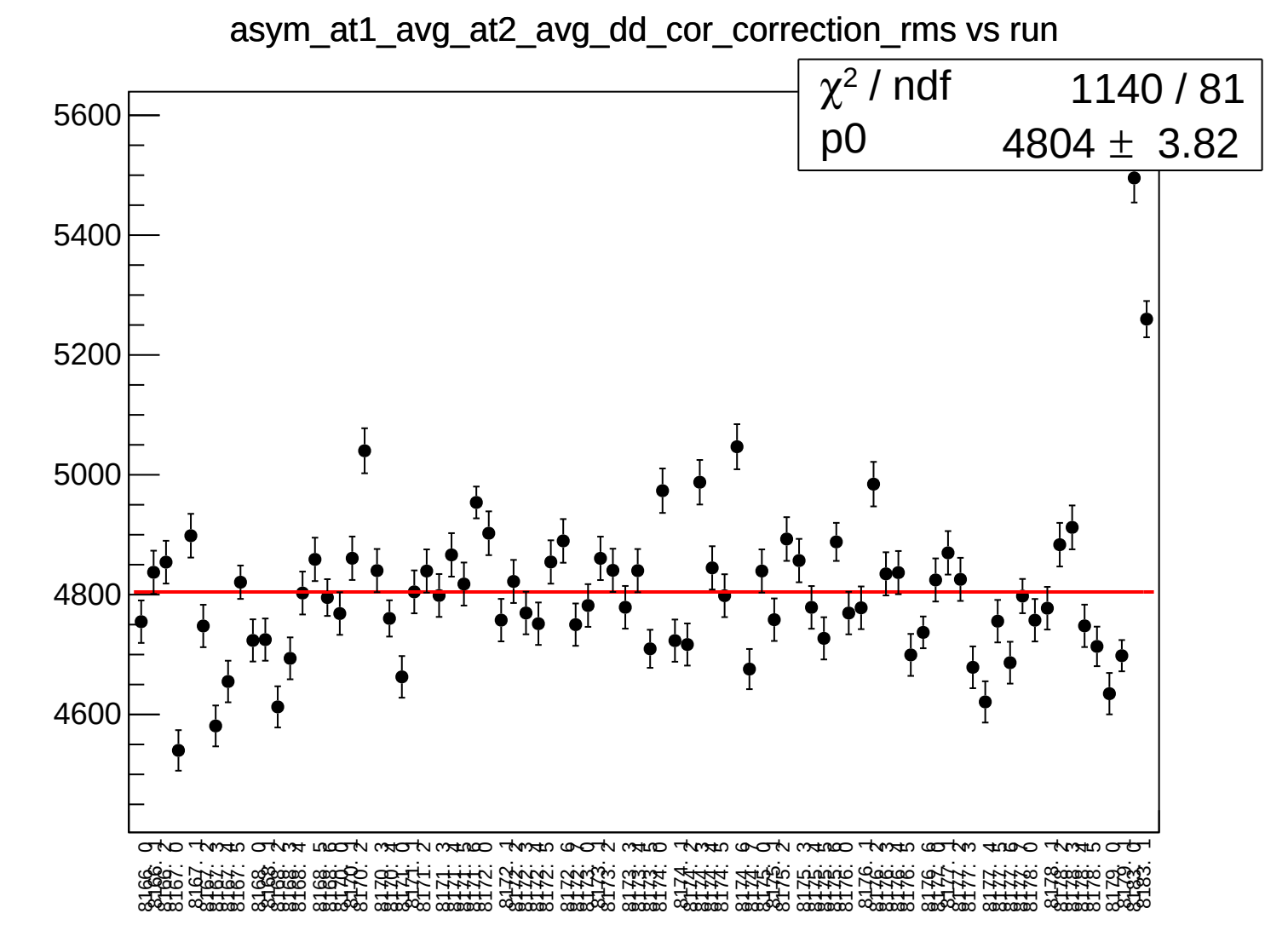

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
pull
Entries 82
Mean 282.5
Std Dev 0

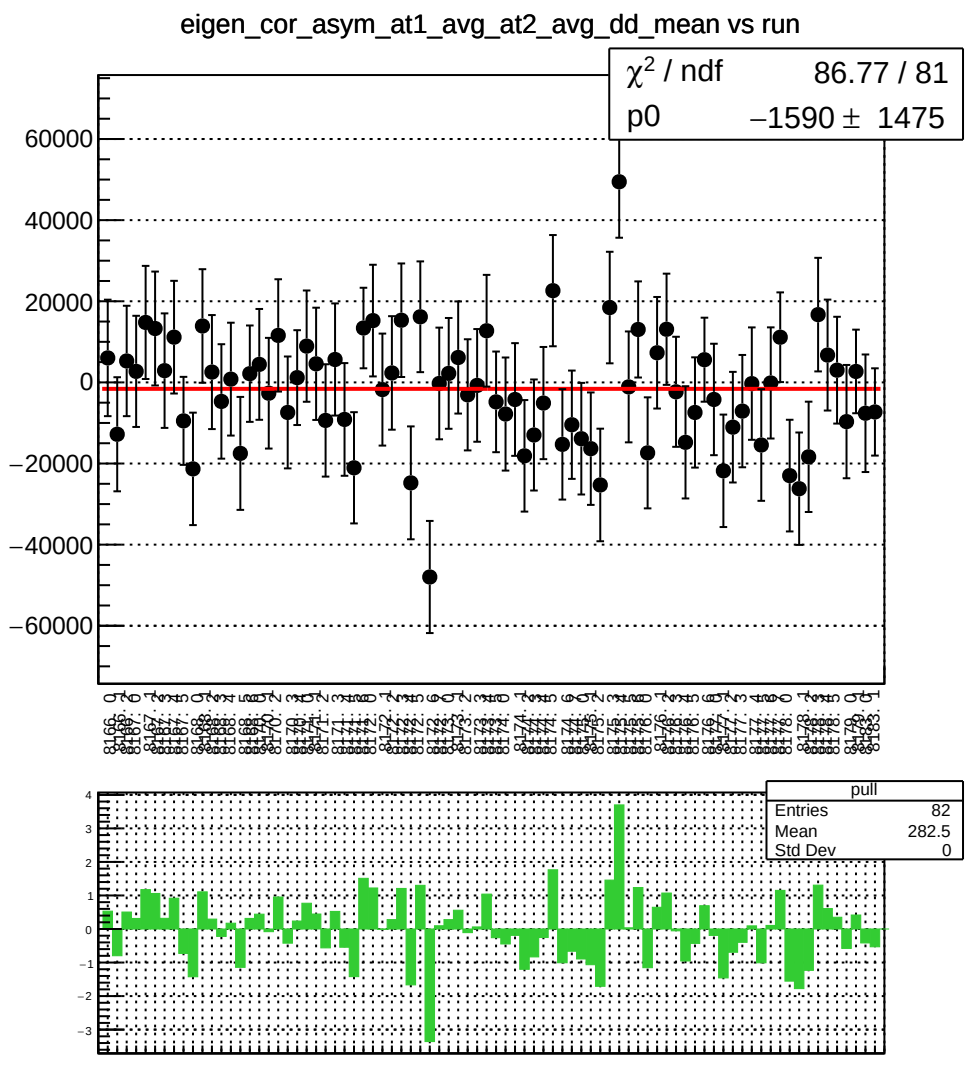

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029

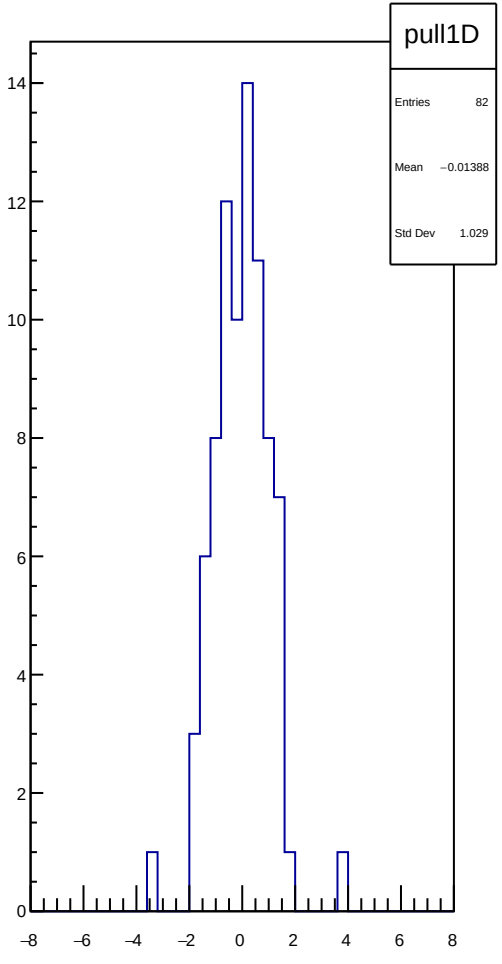

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

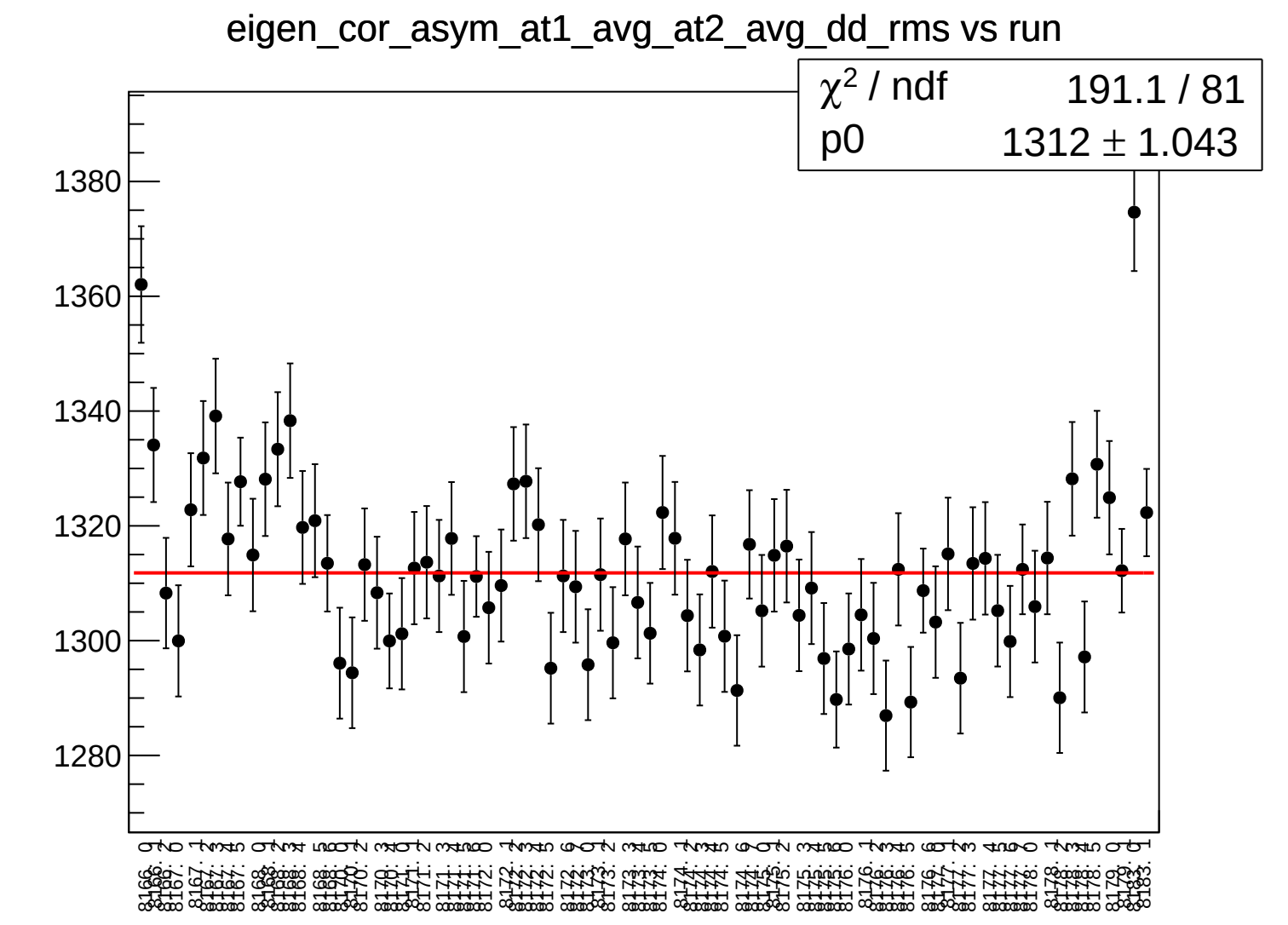

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.7 ± 5402
pull
Entries 82
Mean 877.4
Std Dev 0

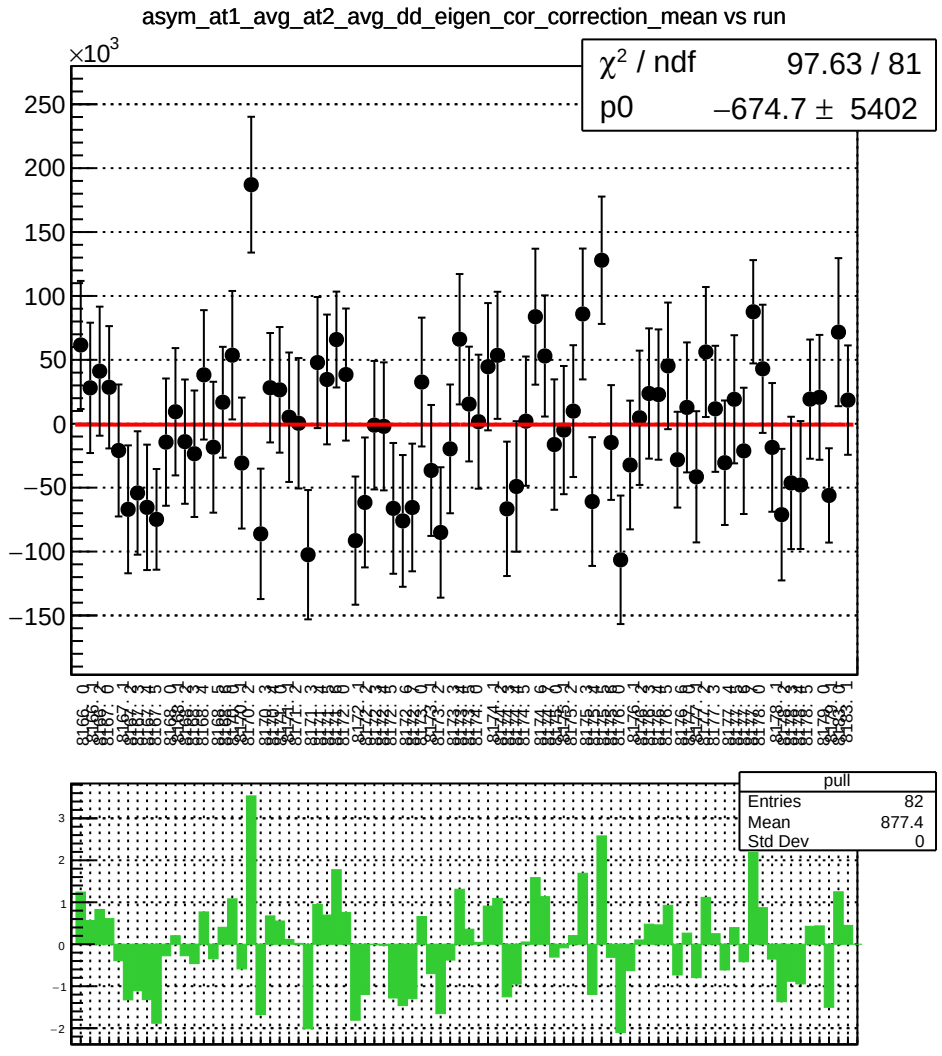

pull1D
Entries 82
Mean 0.001233
Std Dev 1.091

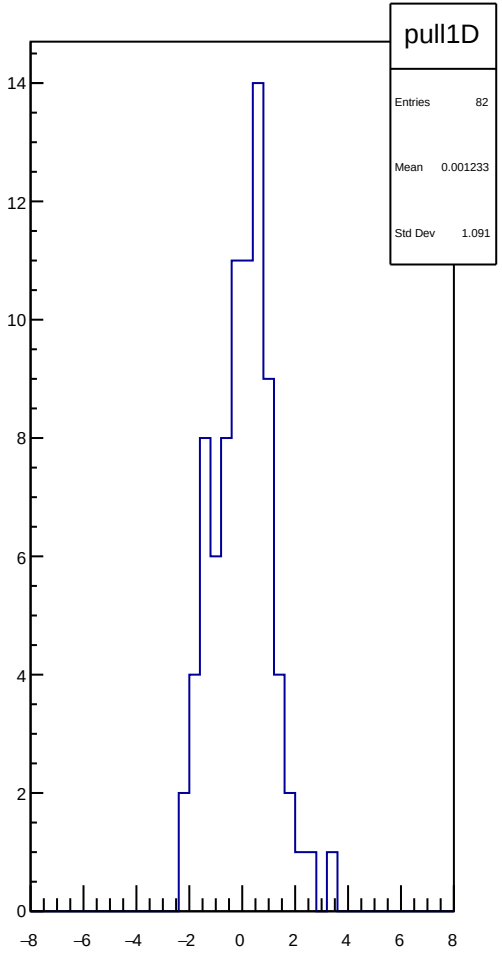

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 1140 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

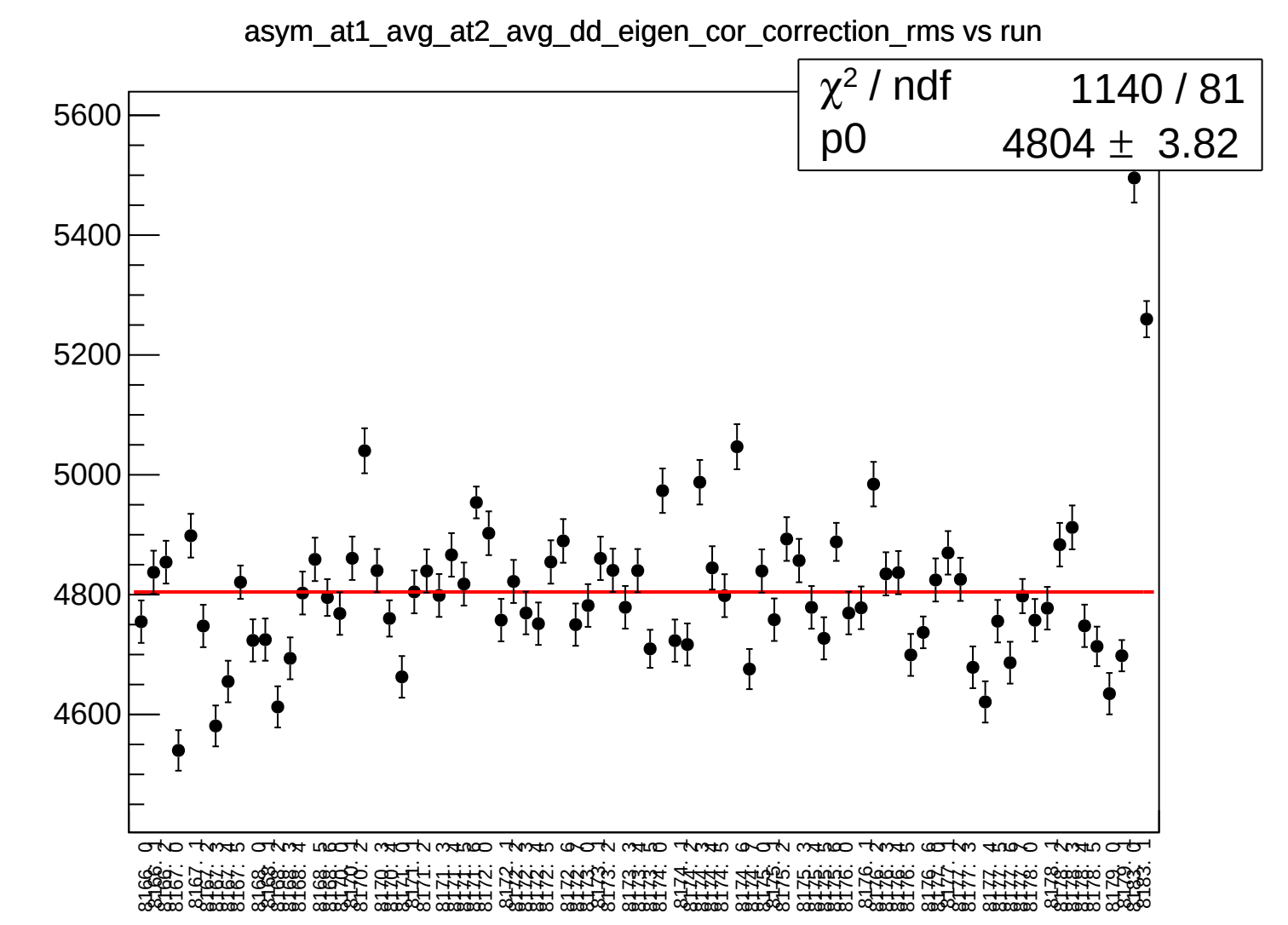

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 282.5
Std Dev 0
4
3
2
1
0
−1
−2
−3

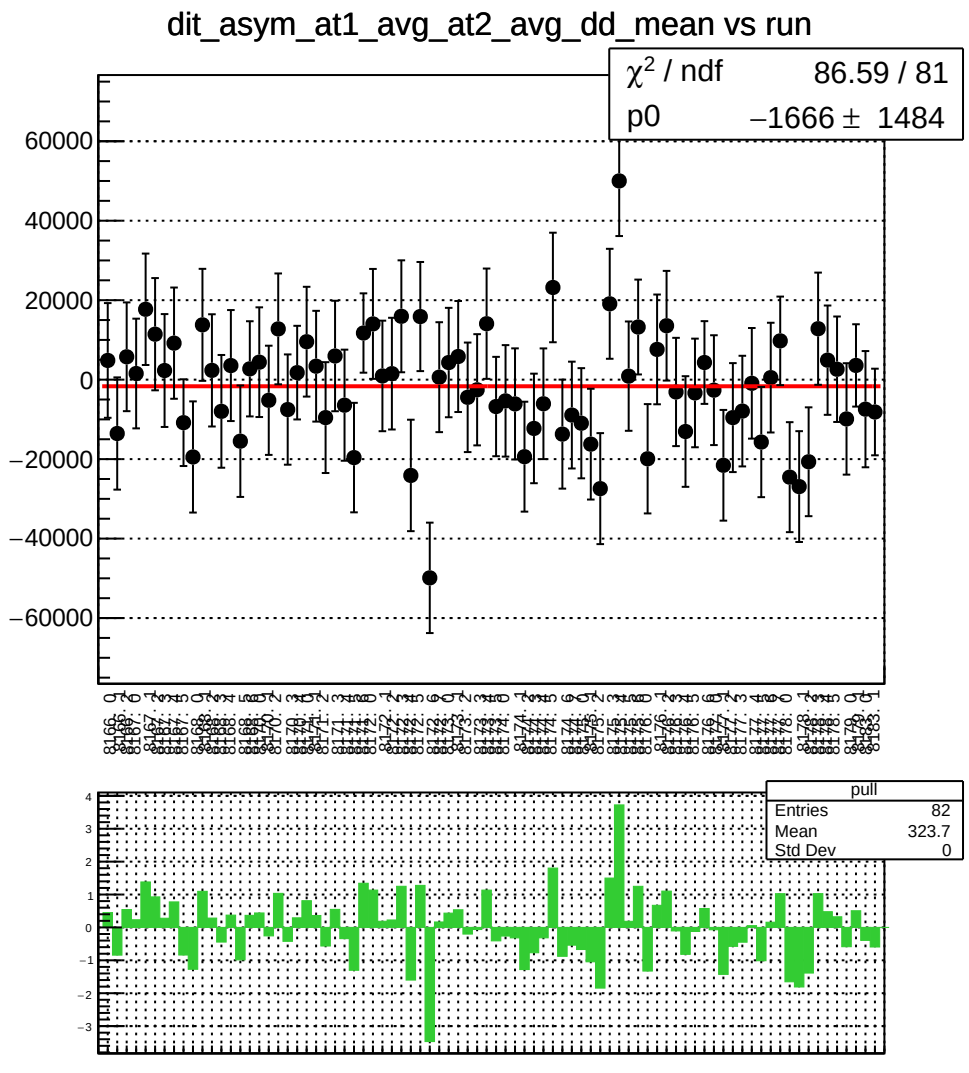

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

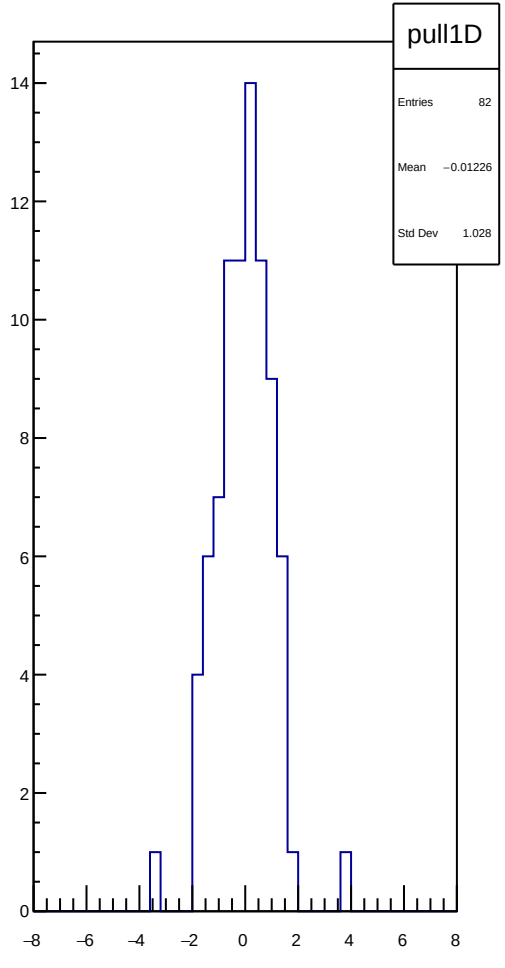

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

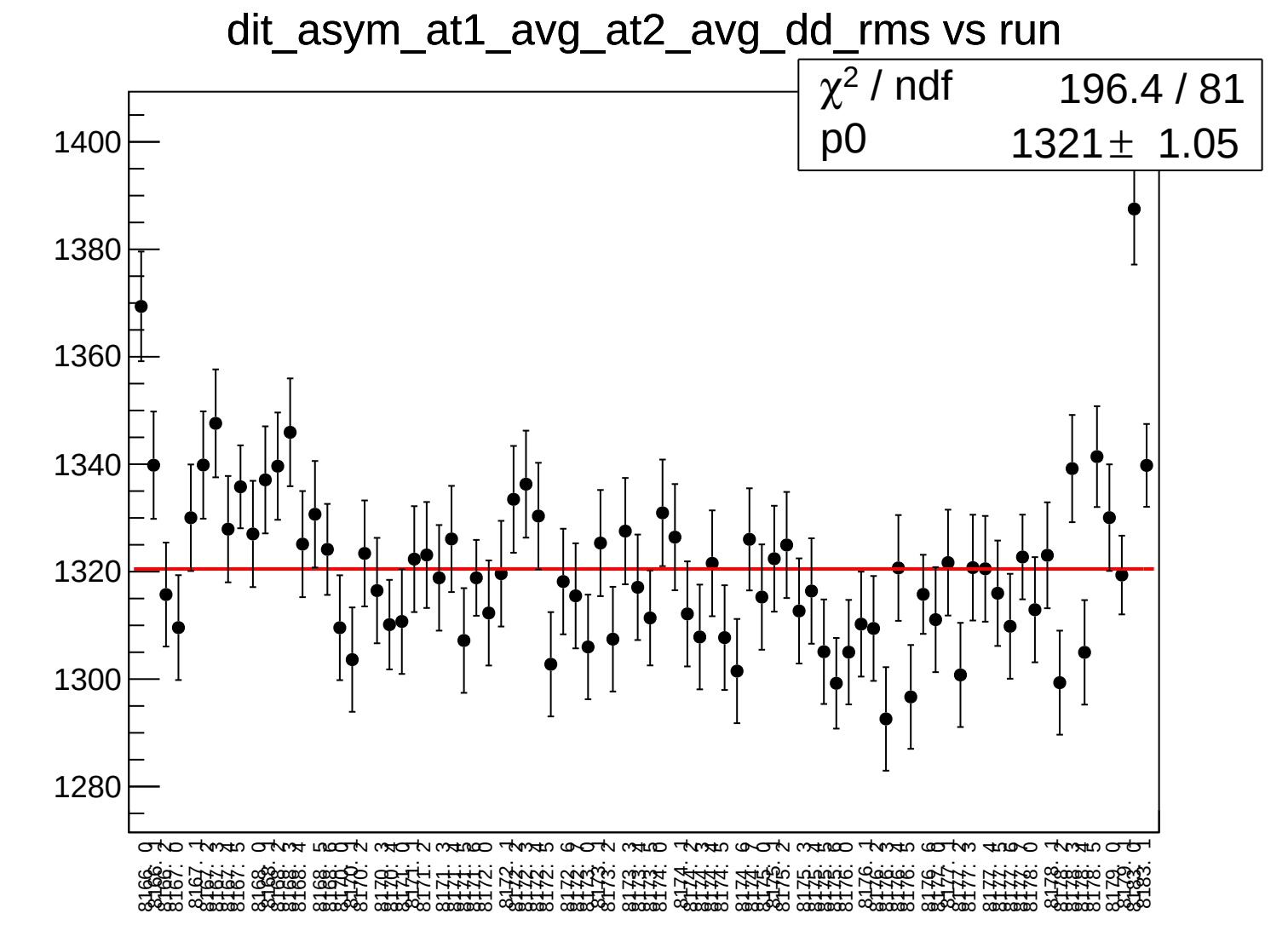

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.7 ± 5402
pull
Entries 82
Mean 877.4
Std Dev 0

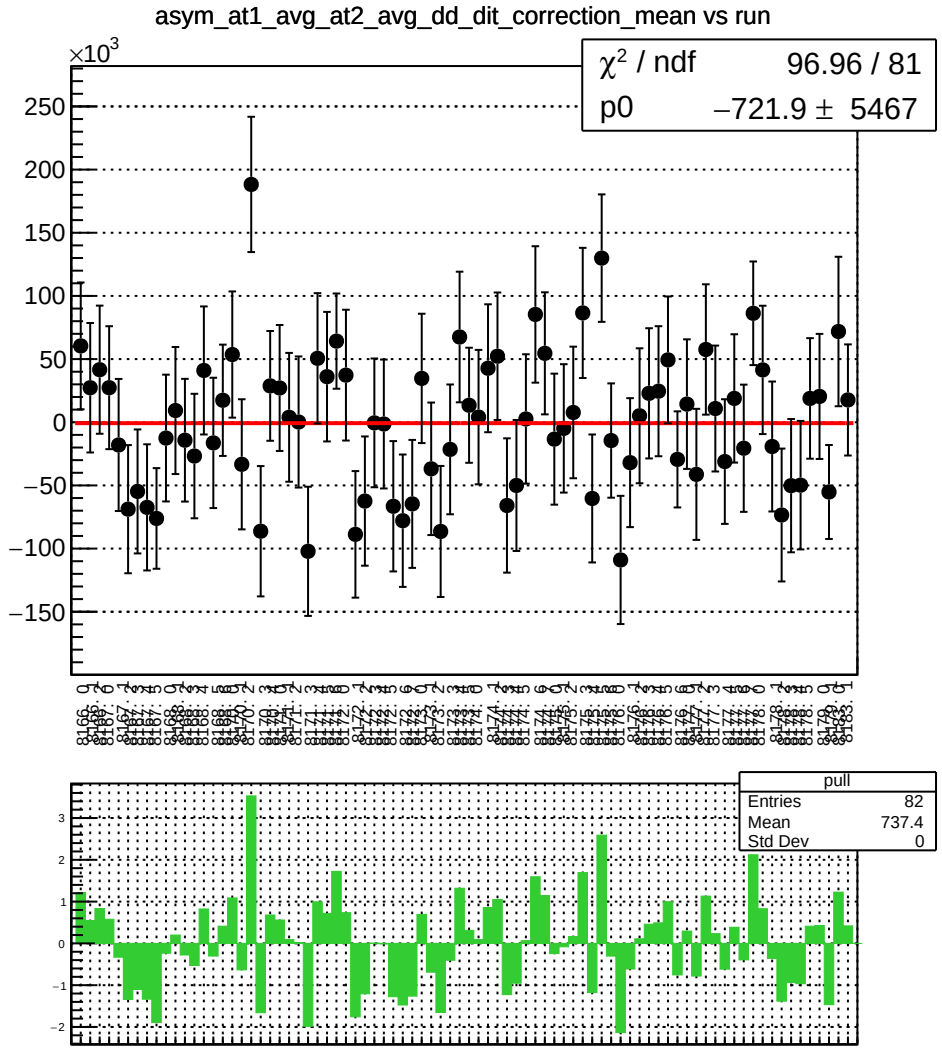

pull1D
Entries 82
Mean 0.001233
Std Dev 1.091

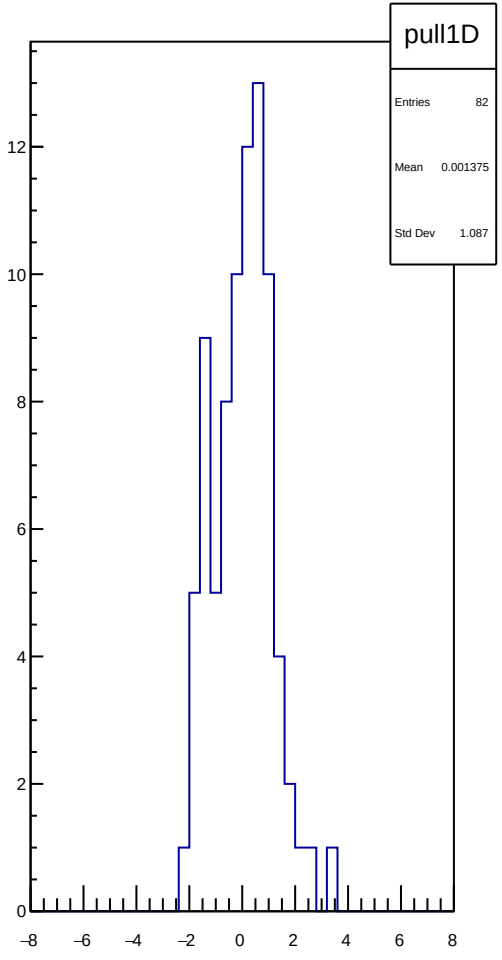

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1140 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

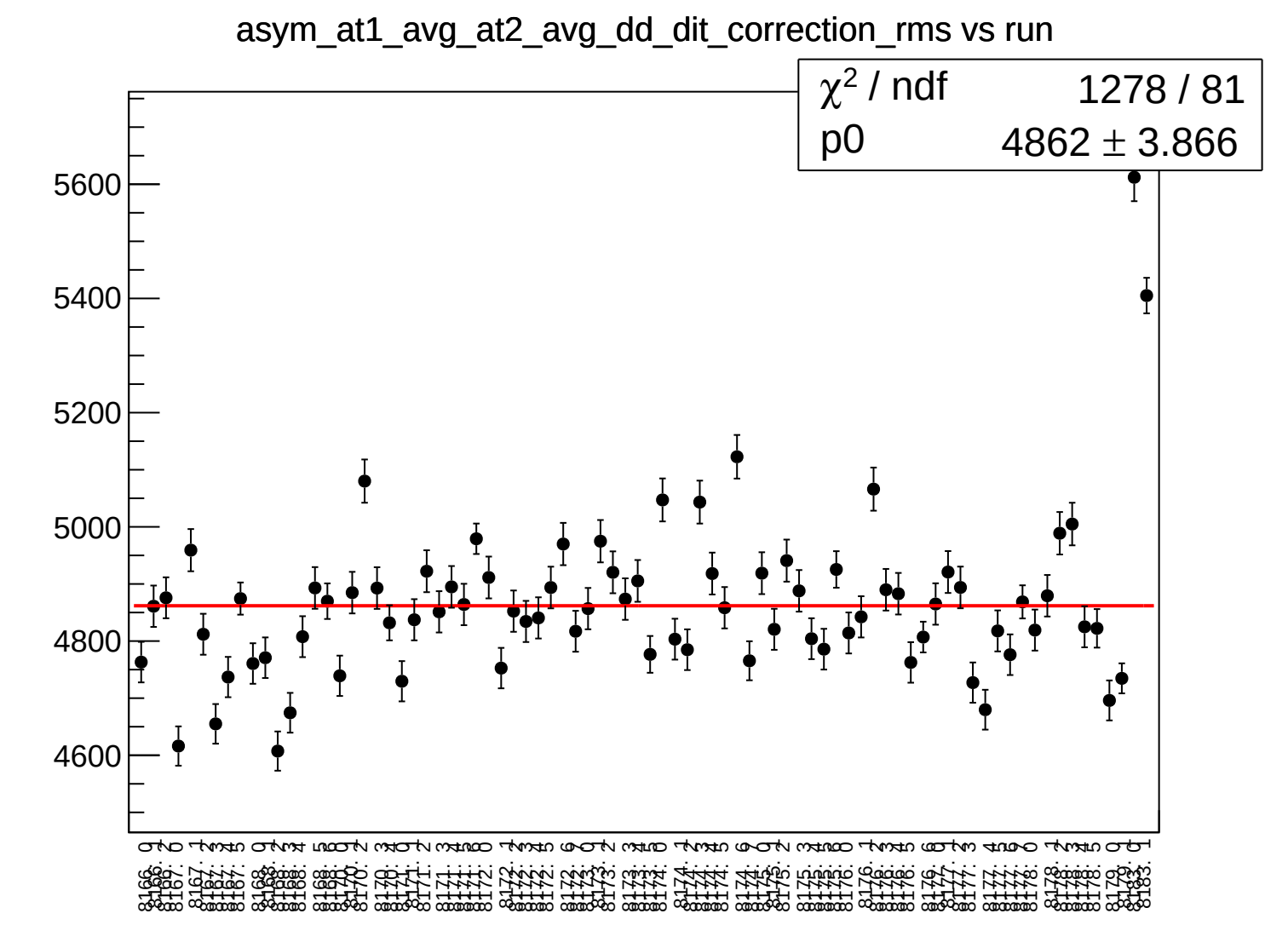

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 86.59 / 81
p0 −1666 ± 1484
pull
Entries 82
Mean 323.7
Std Dev 0

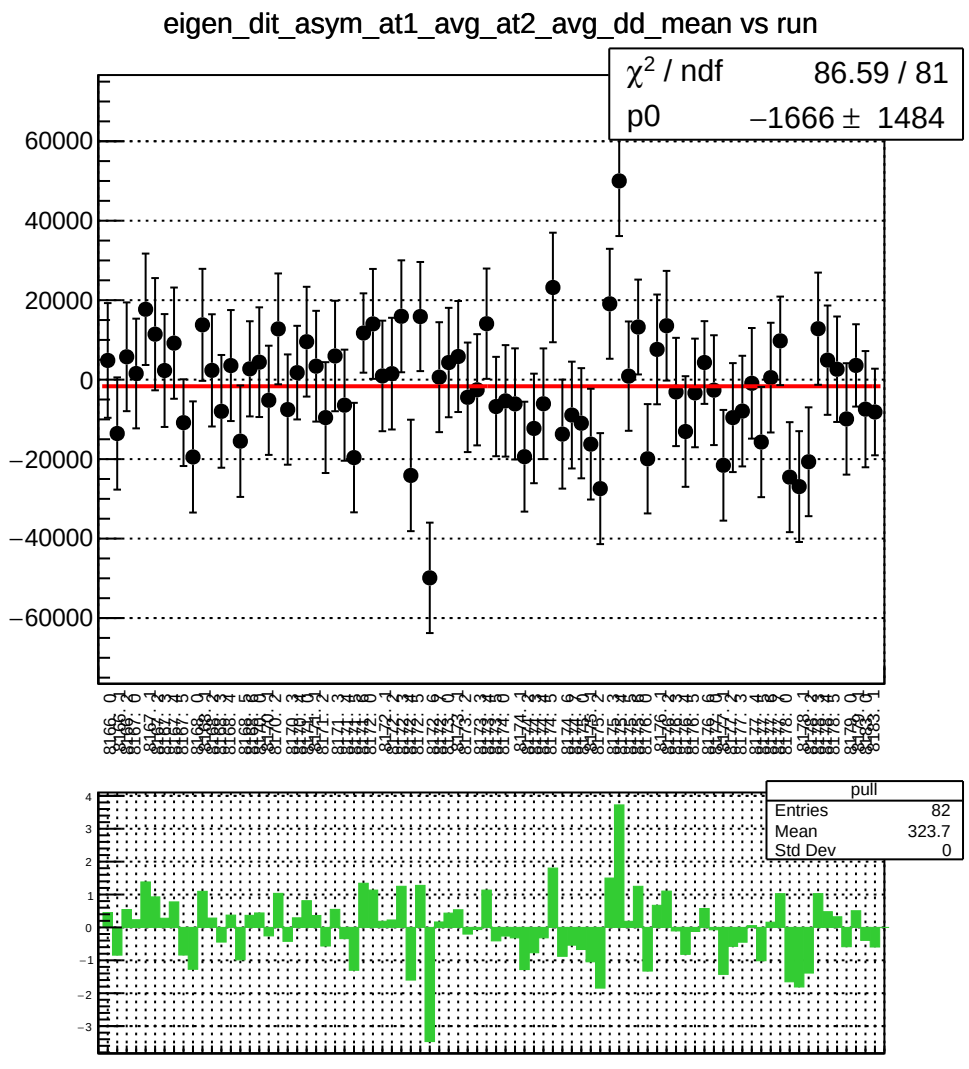

pull1D
Entries 82
Mean −0.01226
Std Dev 1.028

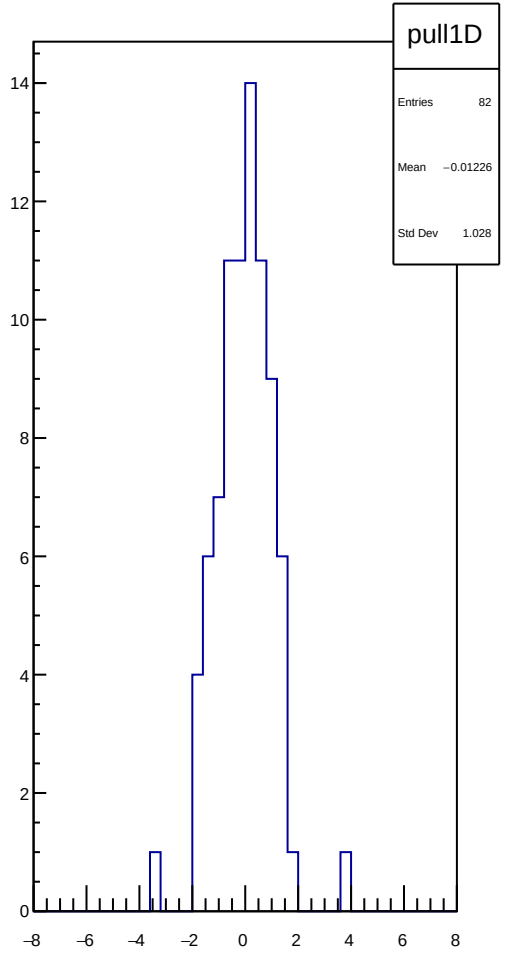

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 196.4 / 81
p0 1321 ± 1.05
1400
1380
1360
1340
1320
1300
1280

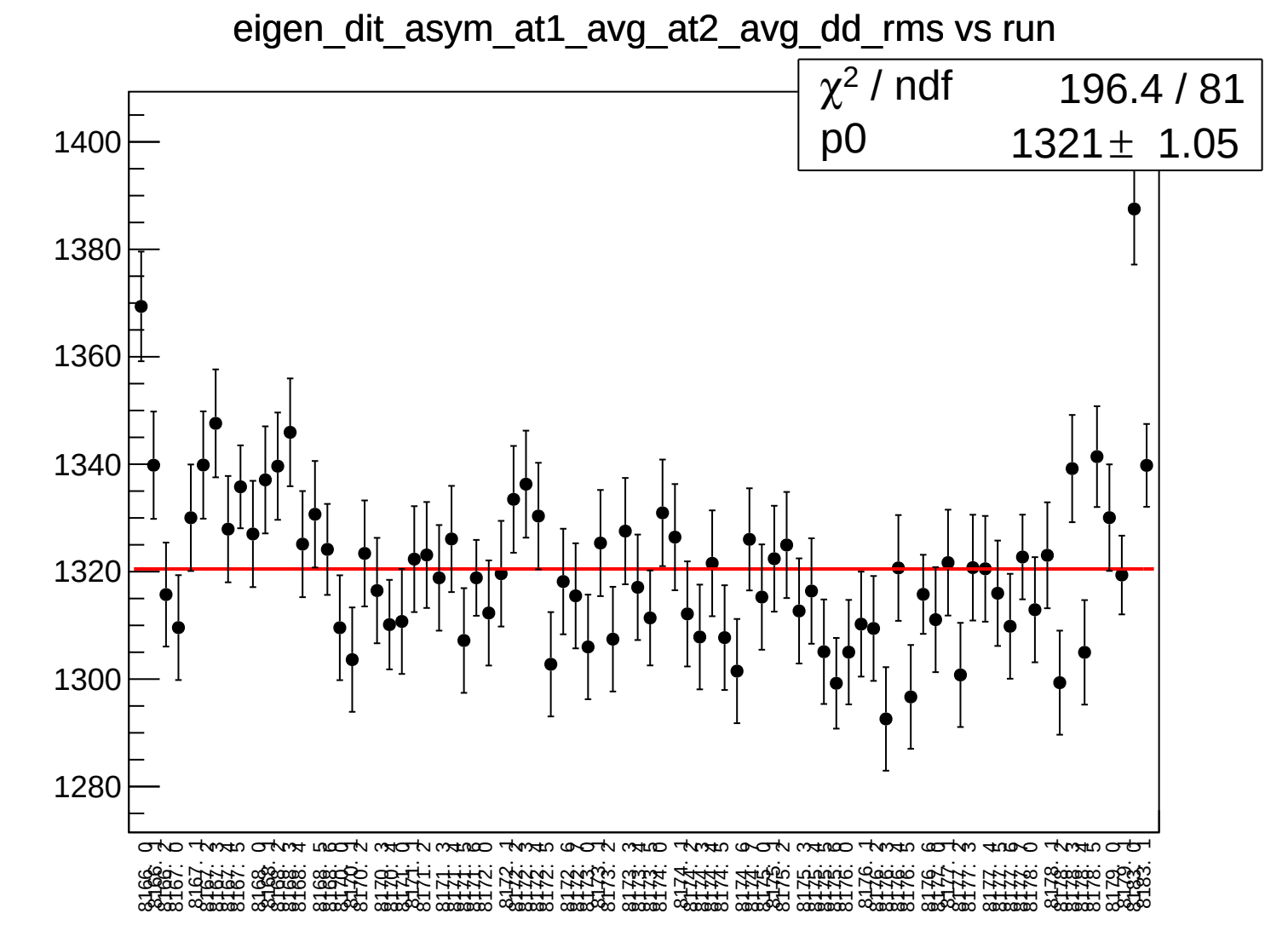

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 96.96 / 81
p0 −721.9 ± 5467
pull
Entries 82
Mean 737.4
Std Dev 0

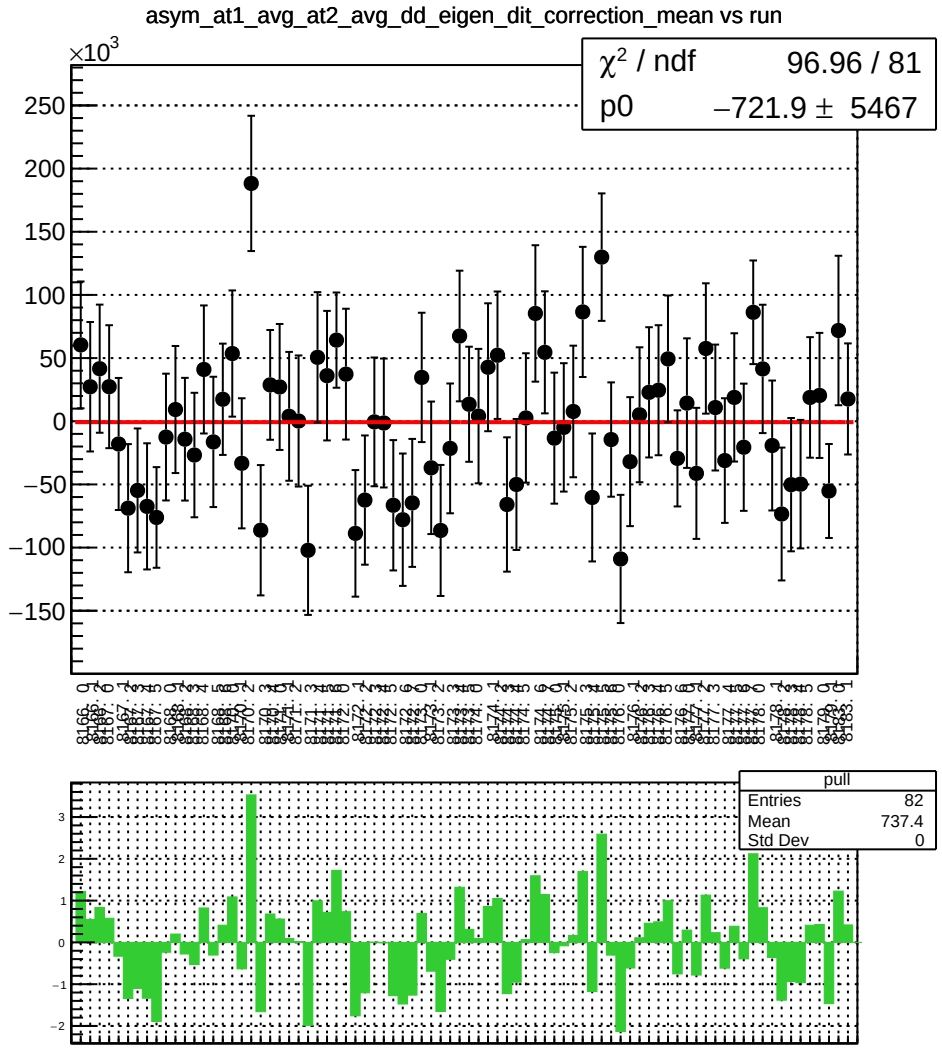

pull1D
Entries 82
Mean 0.001375
Std Dev 1.087

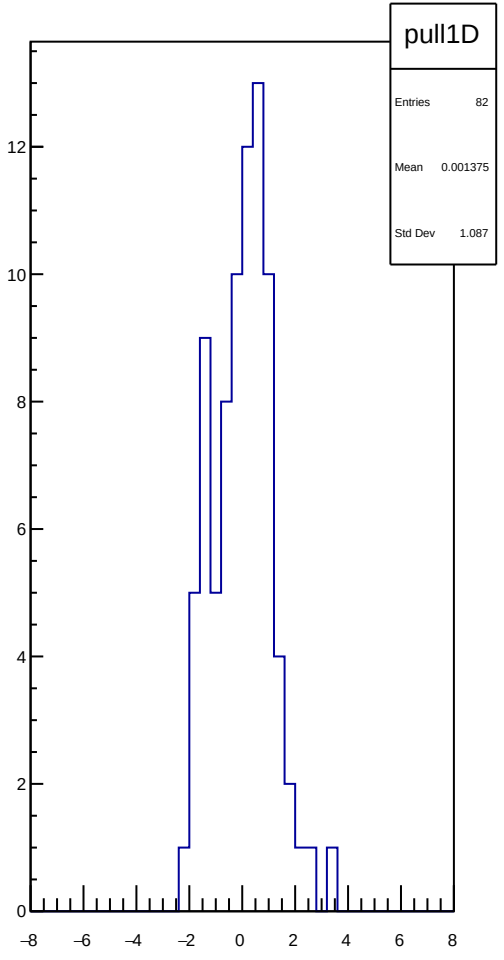

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1278 / 81
p0 4862 ± 3.866
5600
5400
5200
5000
4800
4600

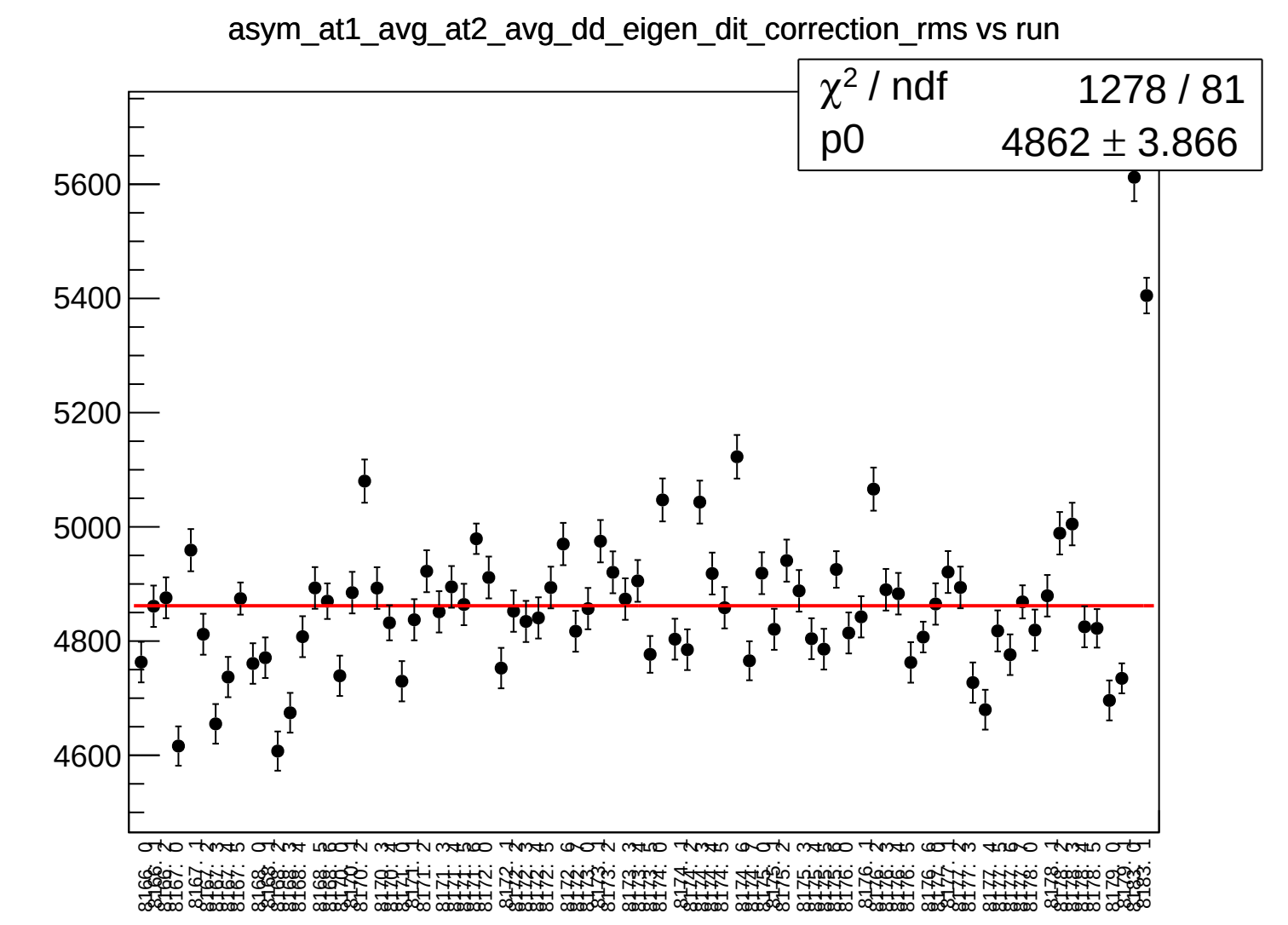

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 86.59 / 81
p0 −1666 ± 1484
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 323.7
Std Dev 0
4
3
2
1
0
−1
−2
−3

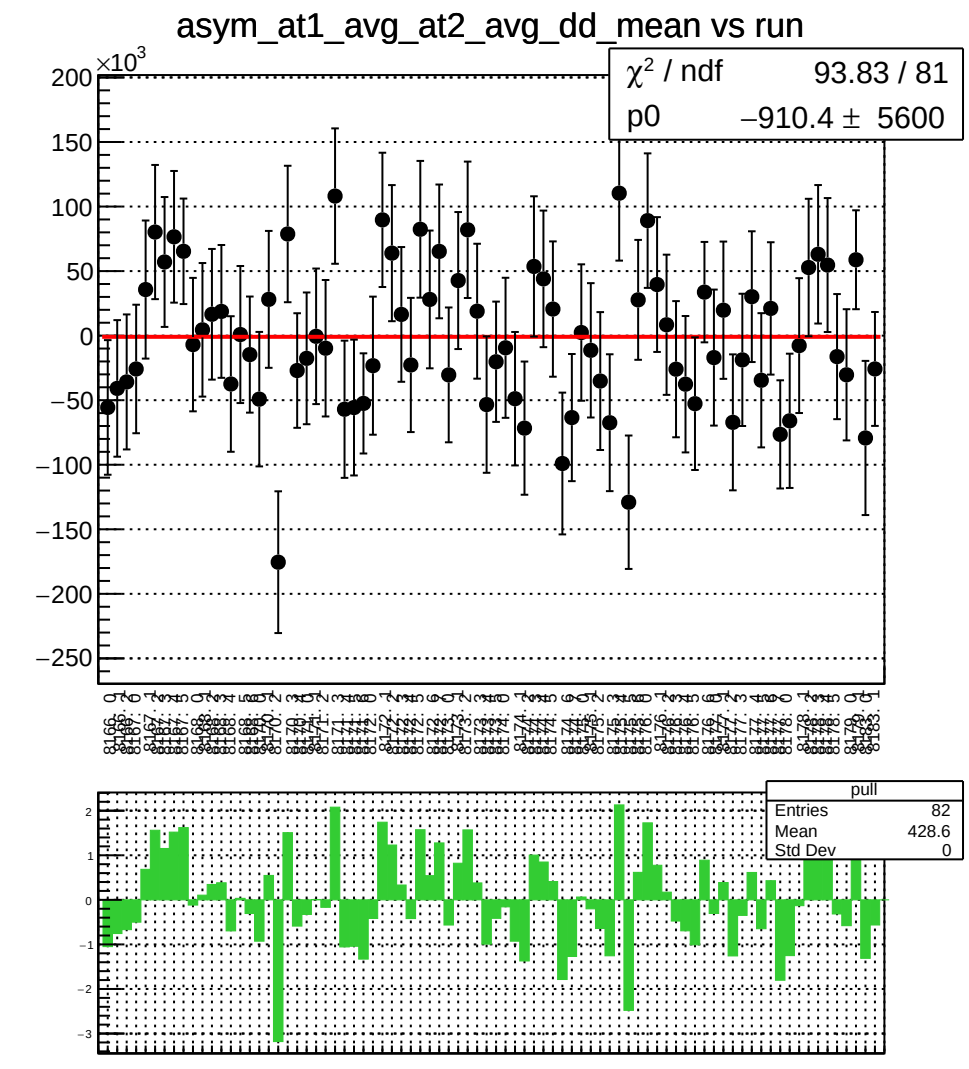

pull1D
Entries 82
Mean −0.01226
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

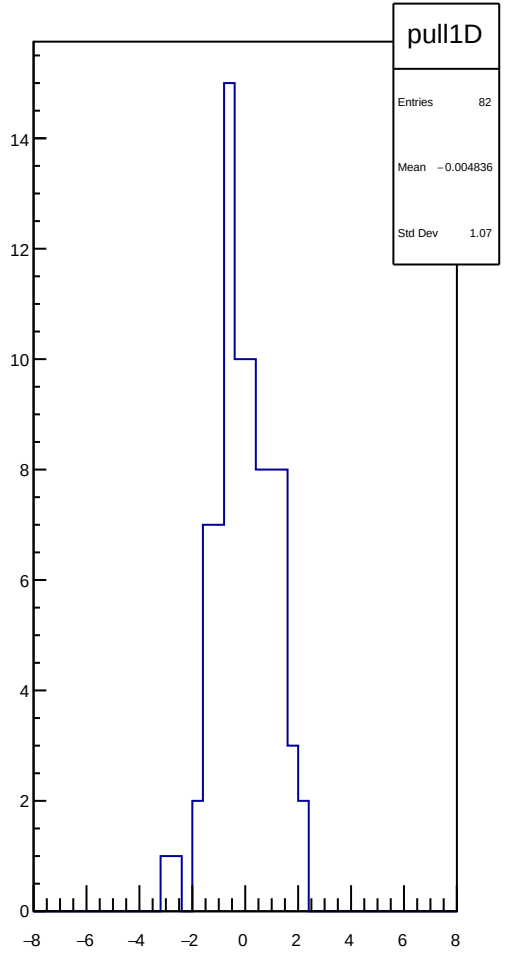

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 196.4 / 81
p0 1321 ± 1.05
1400
1380
1360
1340
1320
1300
1280

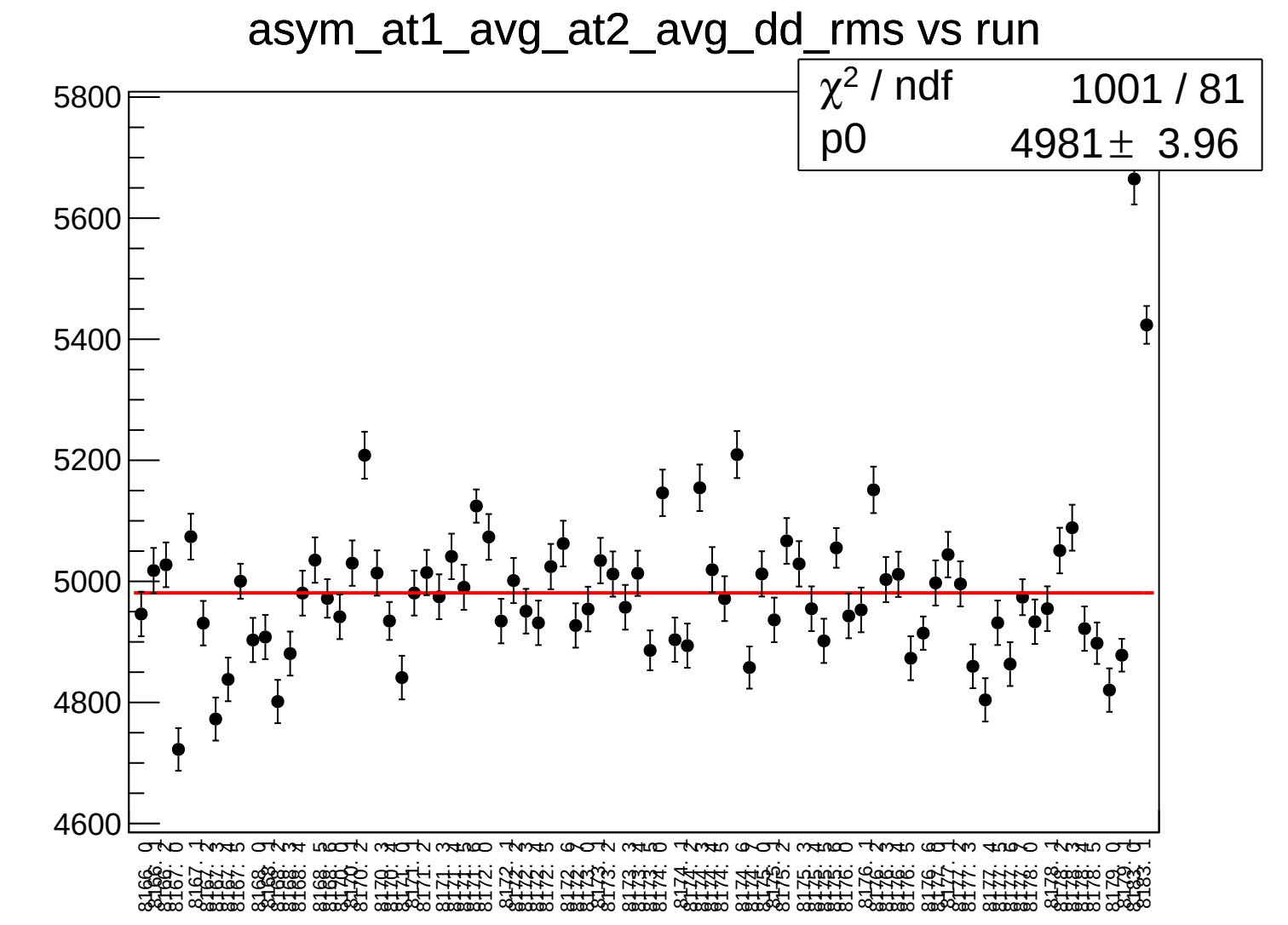

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.96 / 81
p0 −721.9 ± 5467
pull
Entries 82
Mean 737.4
Std Dev 0

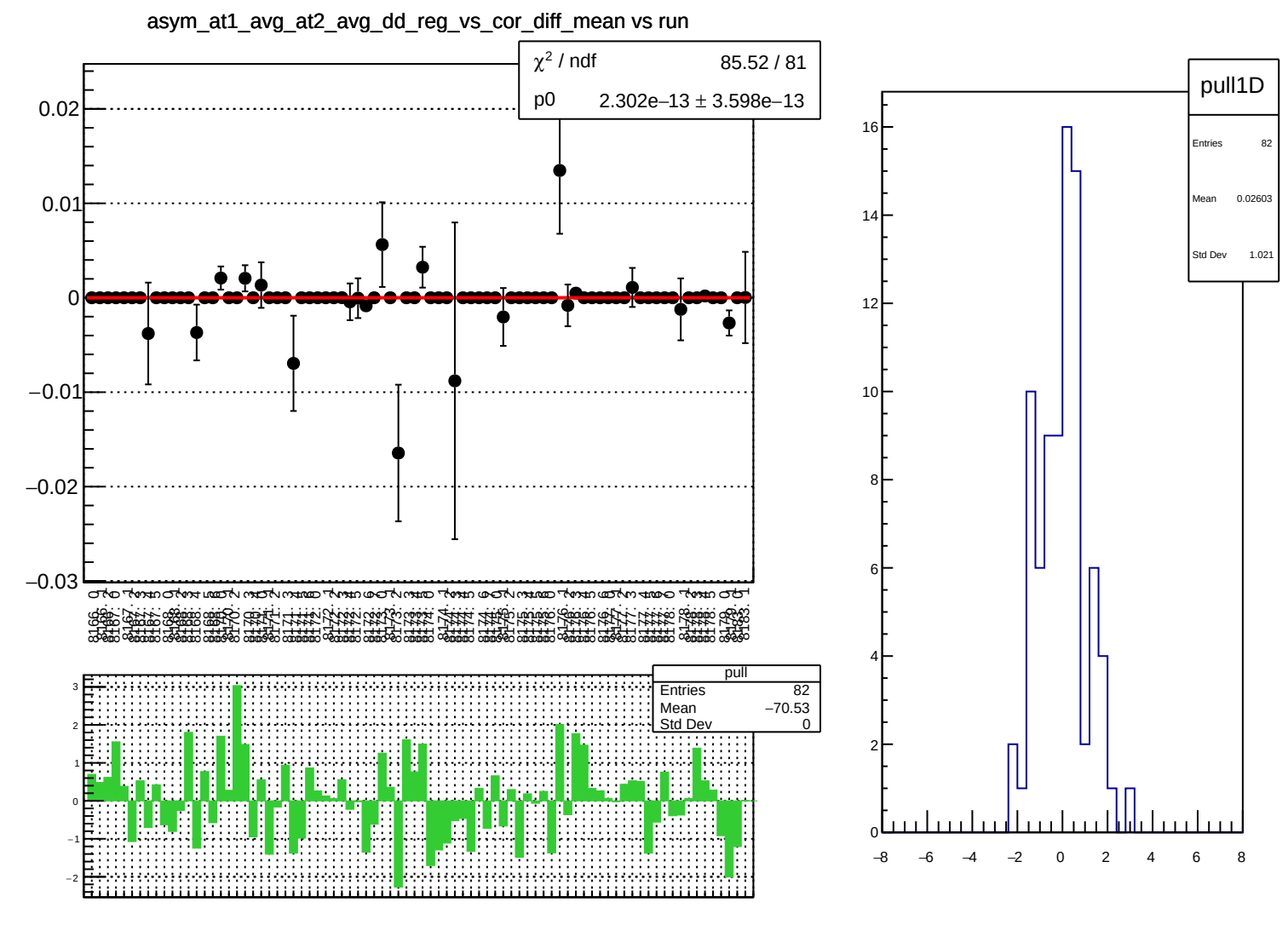

pull1D
Entries 82
Mean 0.001375
Std Dev 1.087

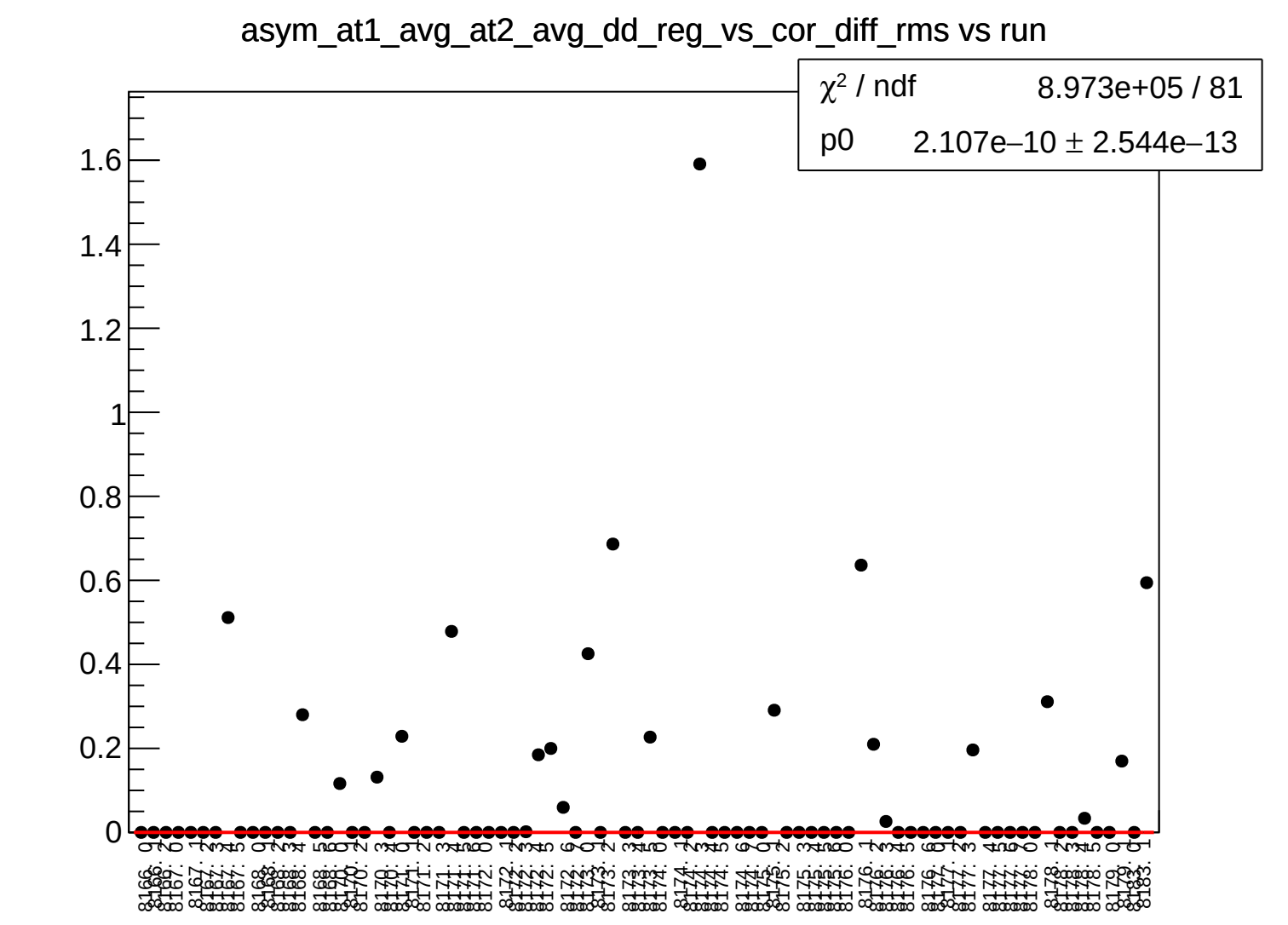

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 1278 / 81
p0 4862 ± 3.866
5600
5400
5200
5000
4800
4600

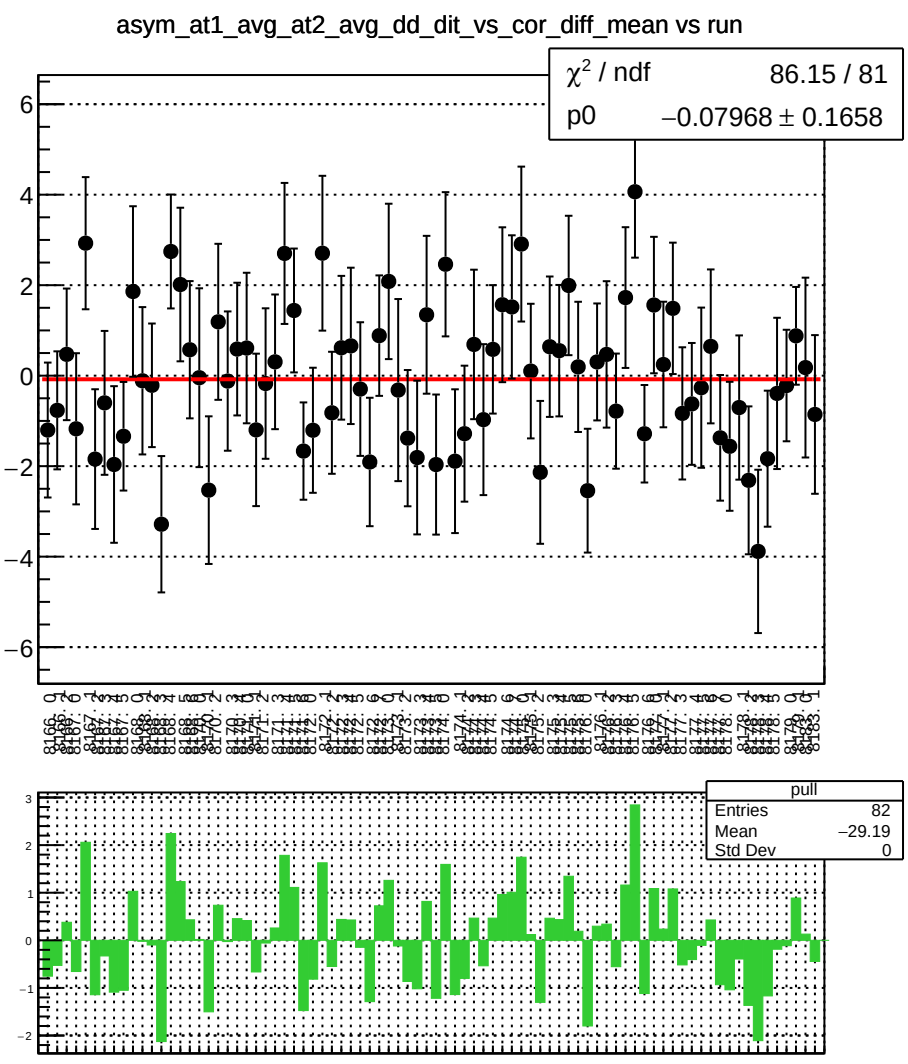

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 93.83 / 81
p0 −910.4 ± 5600
pull
Entries 82
Mean 428.6
Std Dev 0

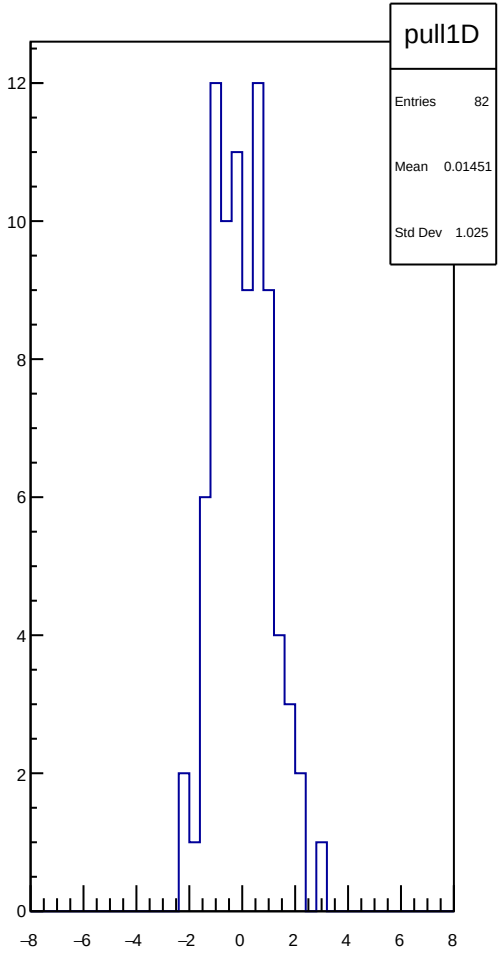

pull1D
Entries 82
Mean −0.004836
Std Dev 1.07

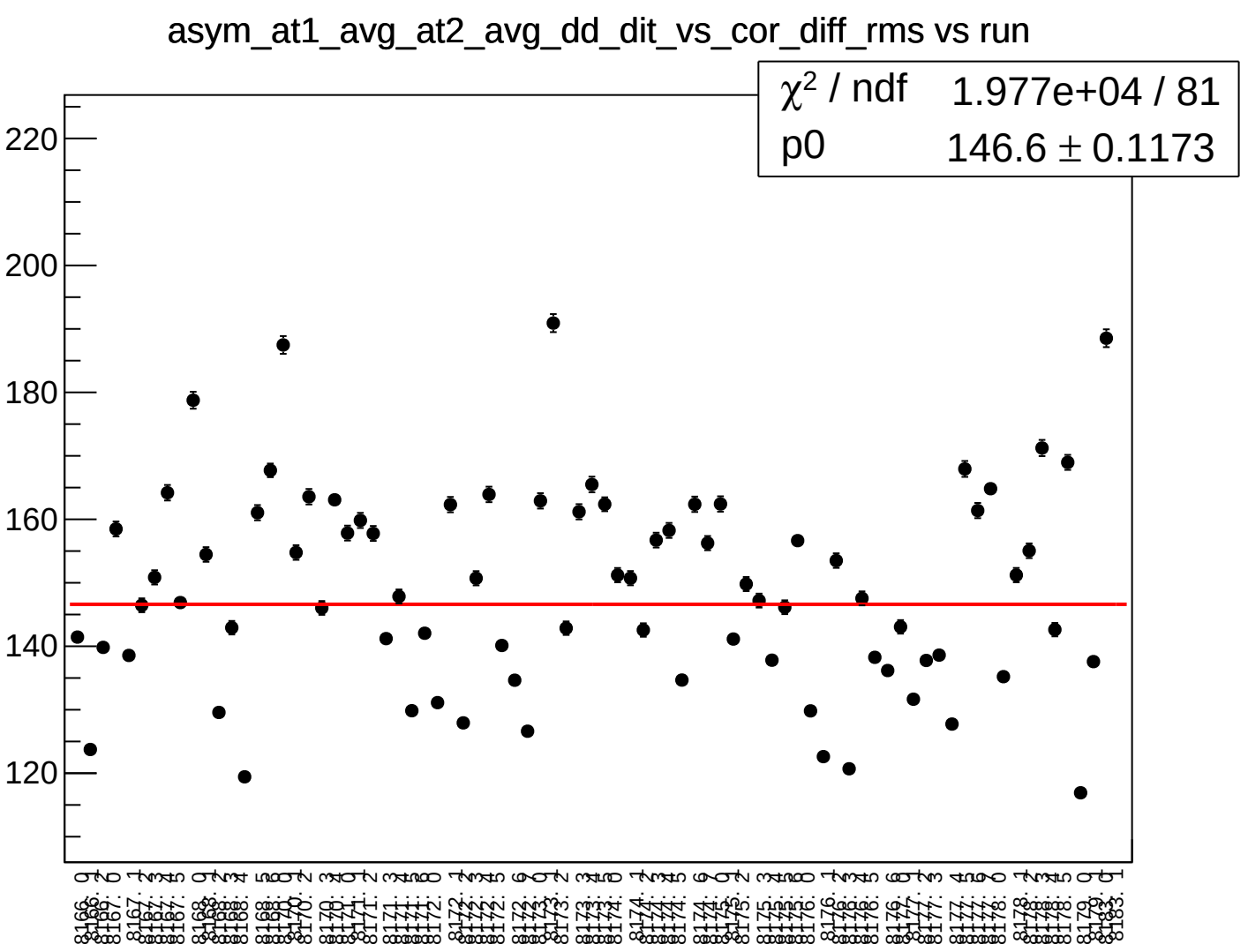

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1001 / 81
p0 4981 ± 3.96
5800
5600
5400
5200
5000
4800
4600

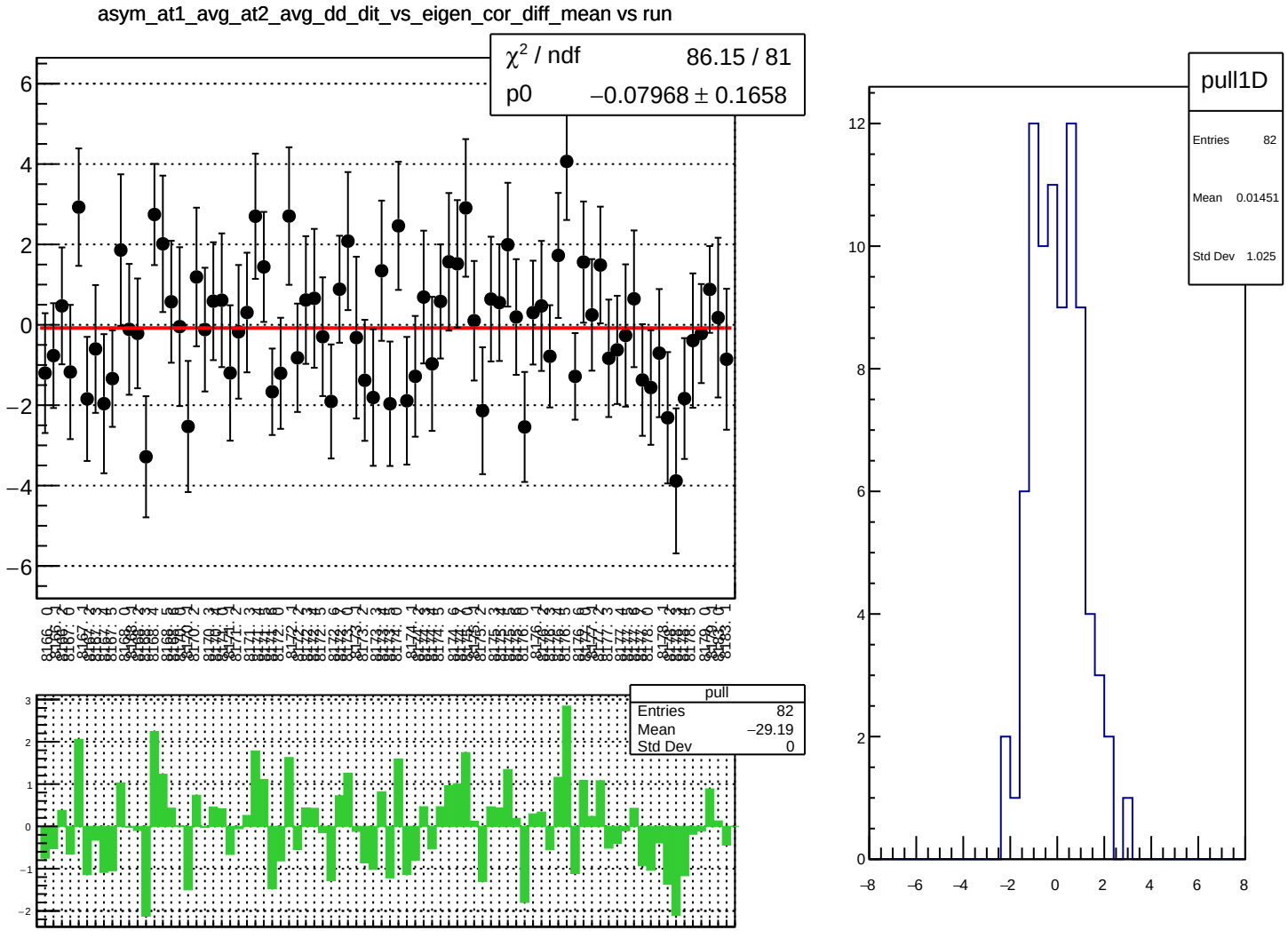

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 85.52 / 81
p0 2.302e−13 ± 3.598e−13
pull
Entries 82
Mean −70.53
Std Dev 0
pull1D
Entries 82
Mean 0.02603
Std Dev 1.021

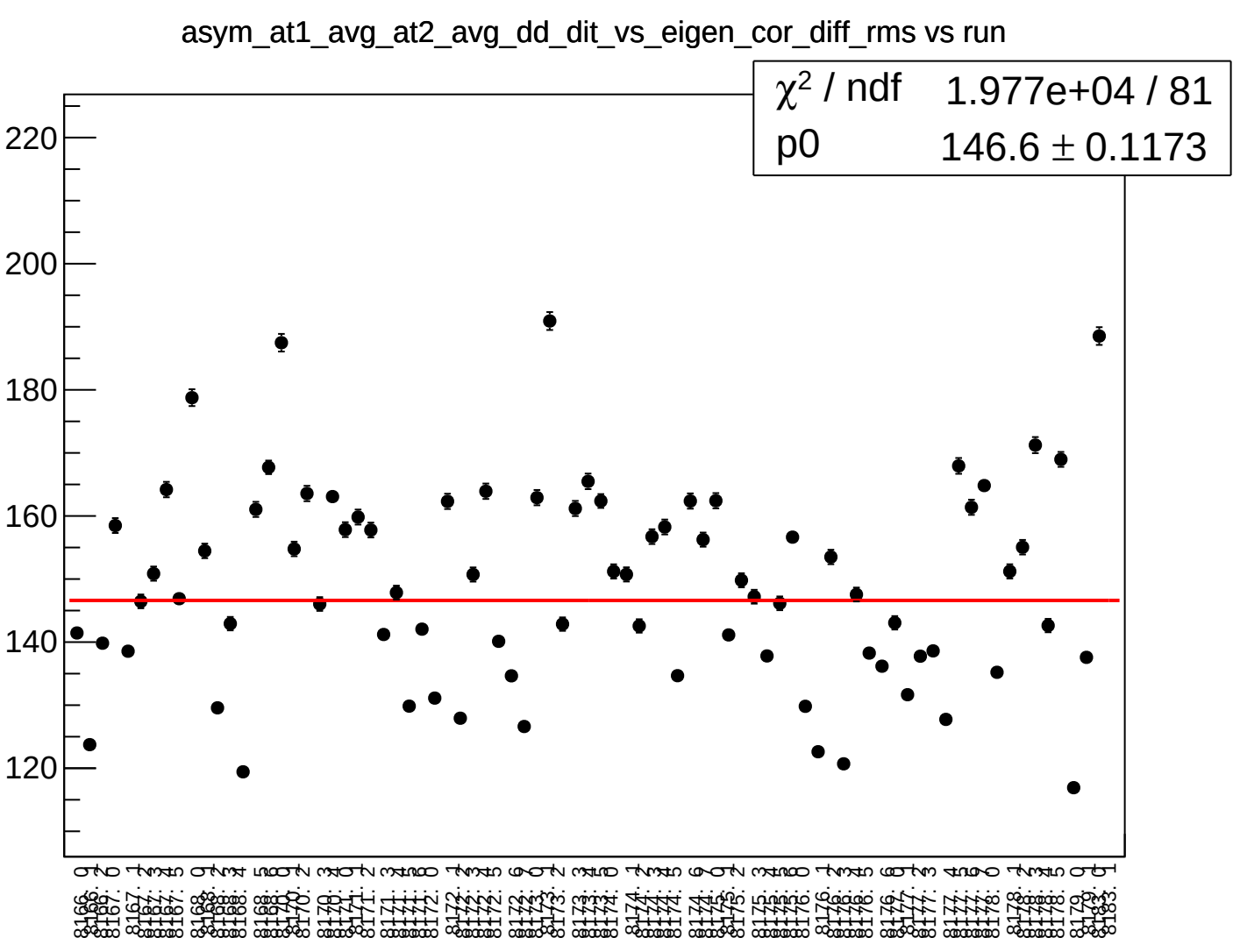

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.973e+05 / 81
p0 2.107e−10 ± 2.544e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

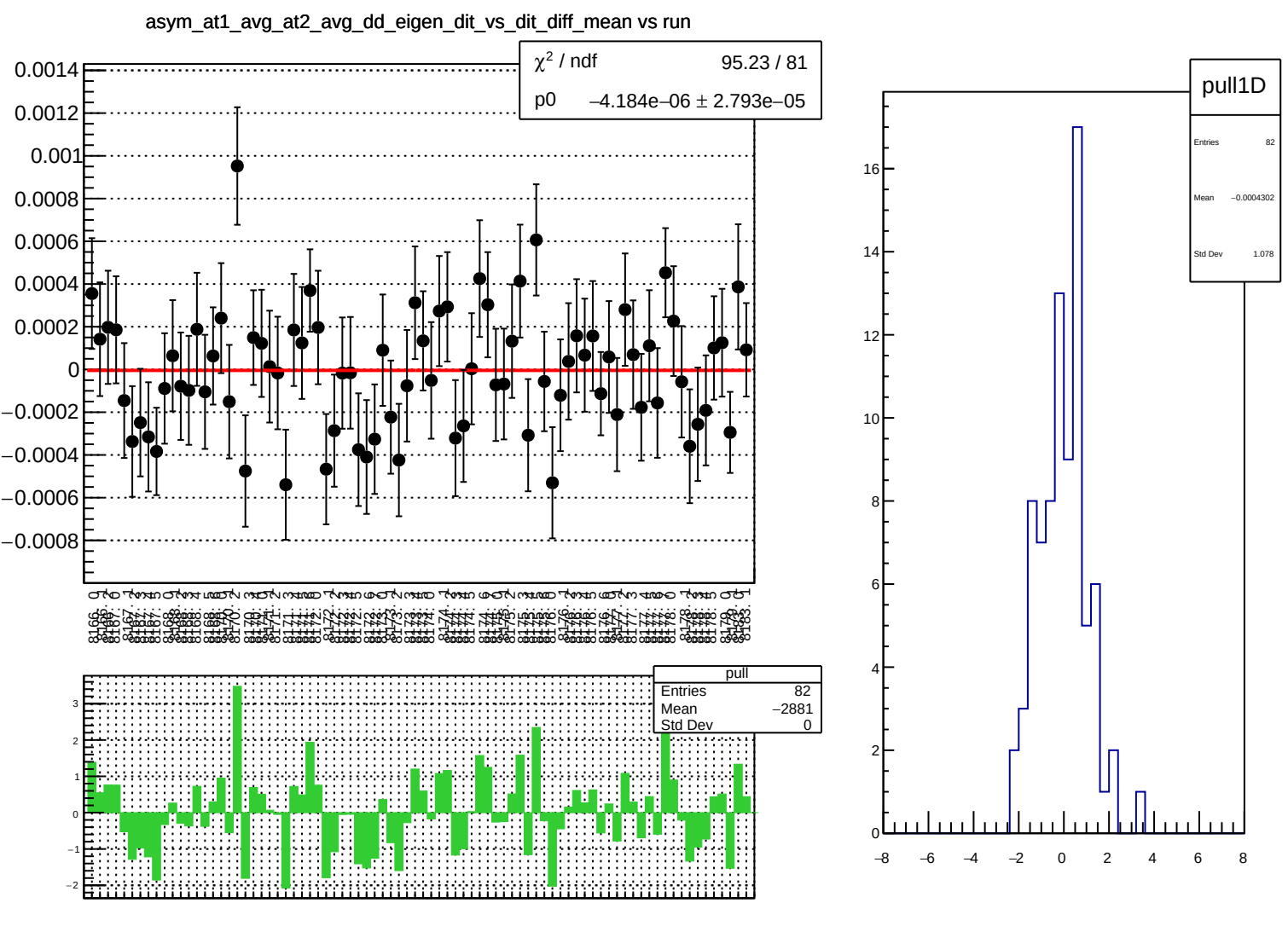

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.19
Std Dev 0

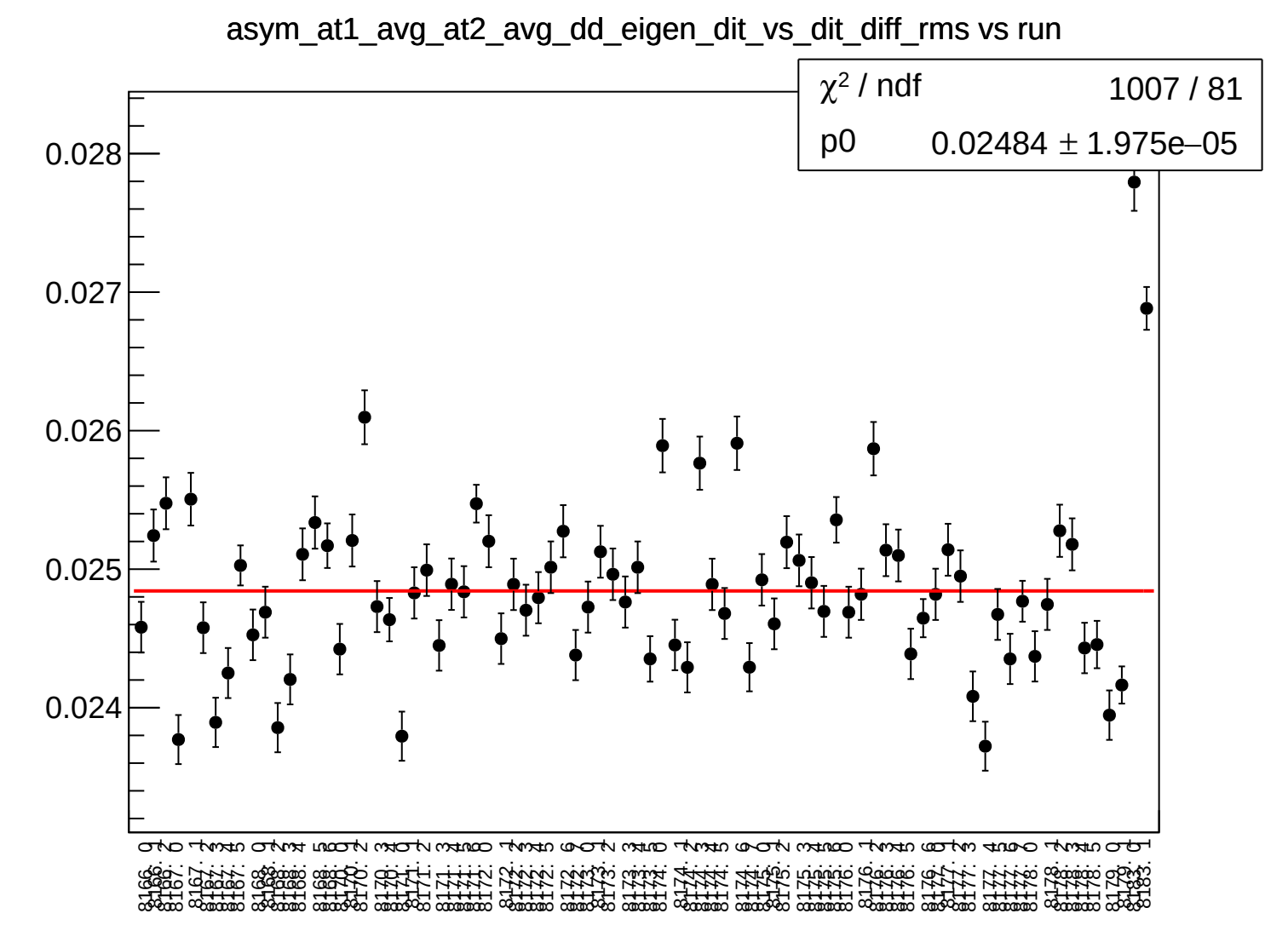

pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

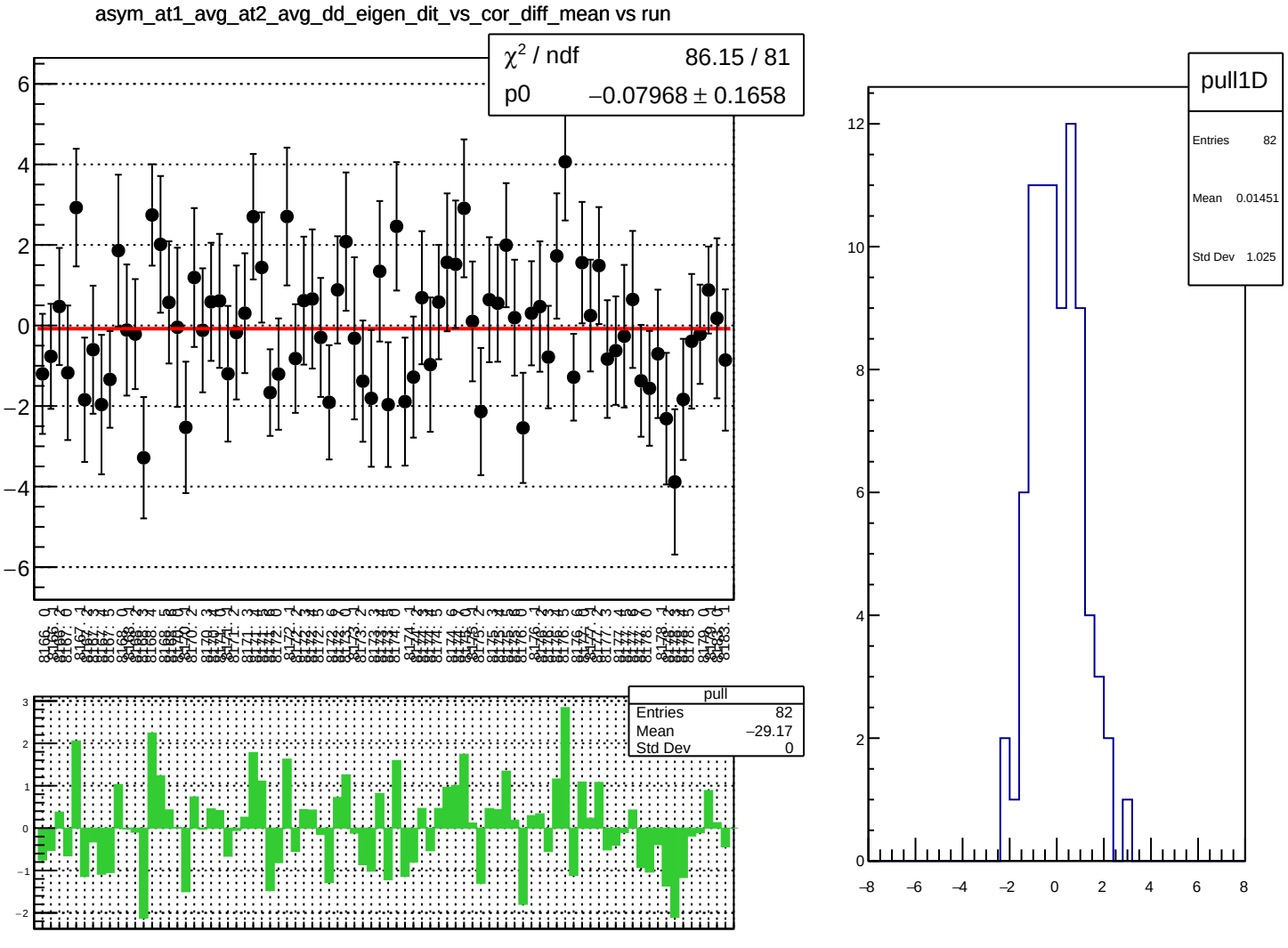

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

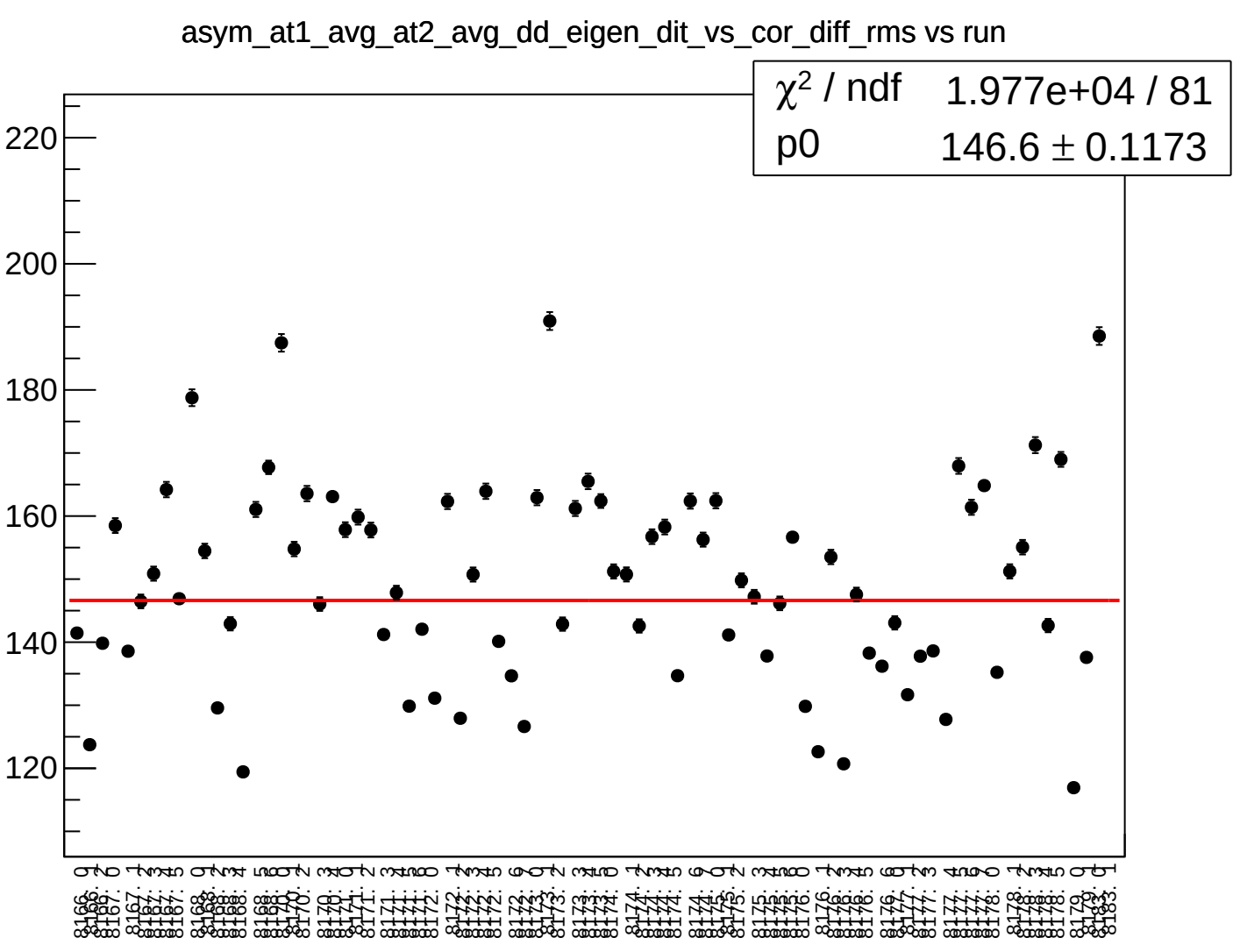

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.19
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

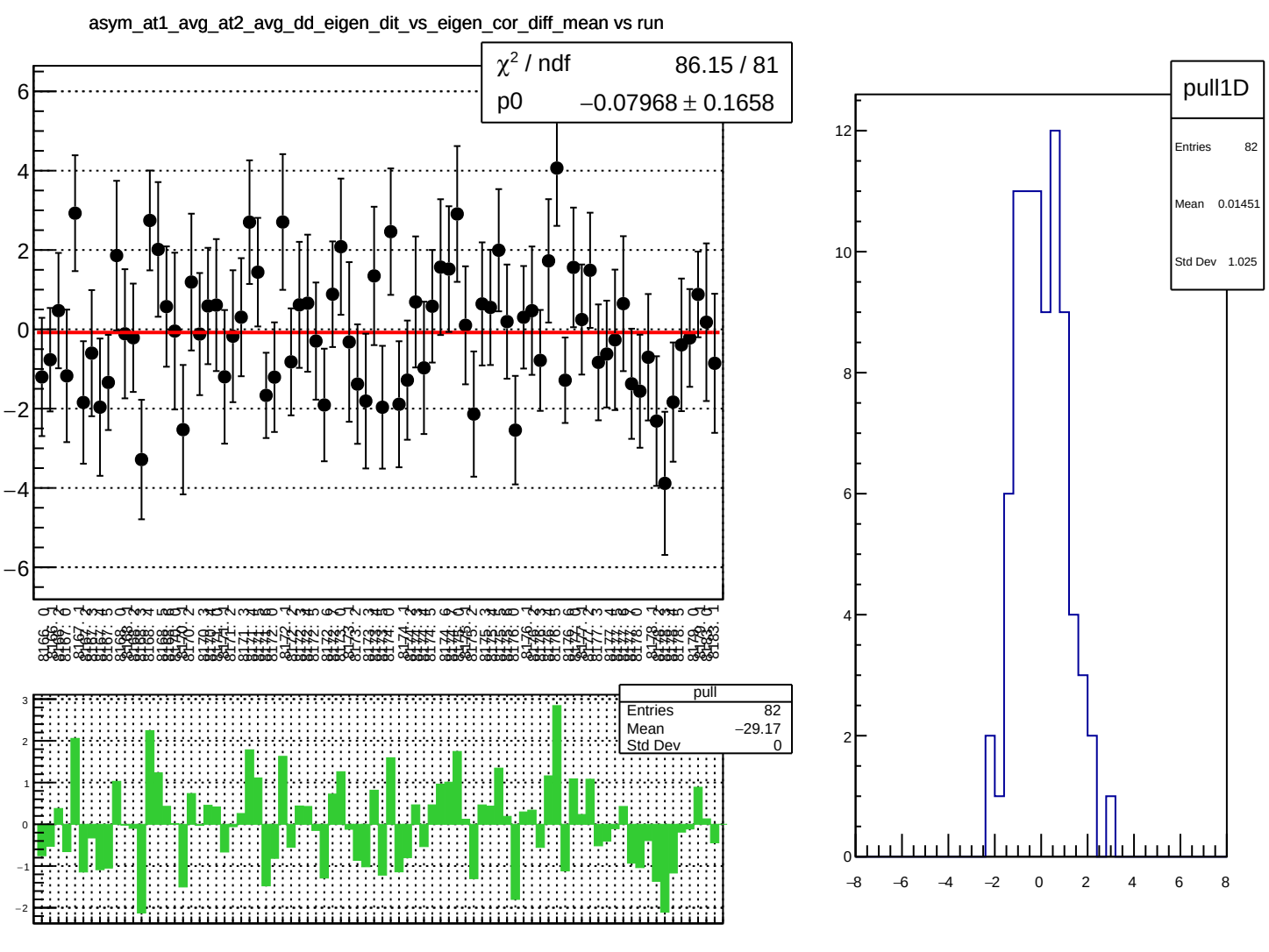

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

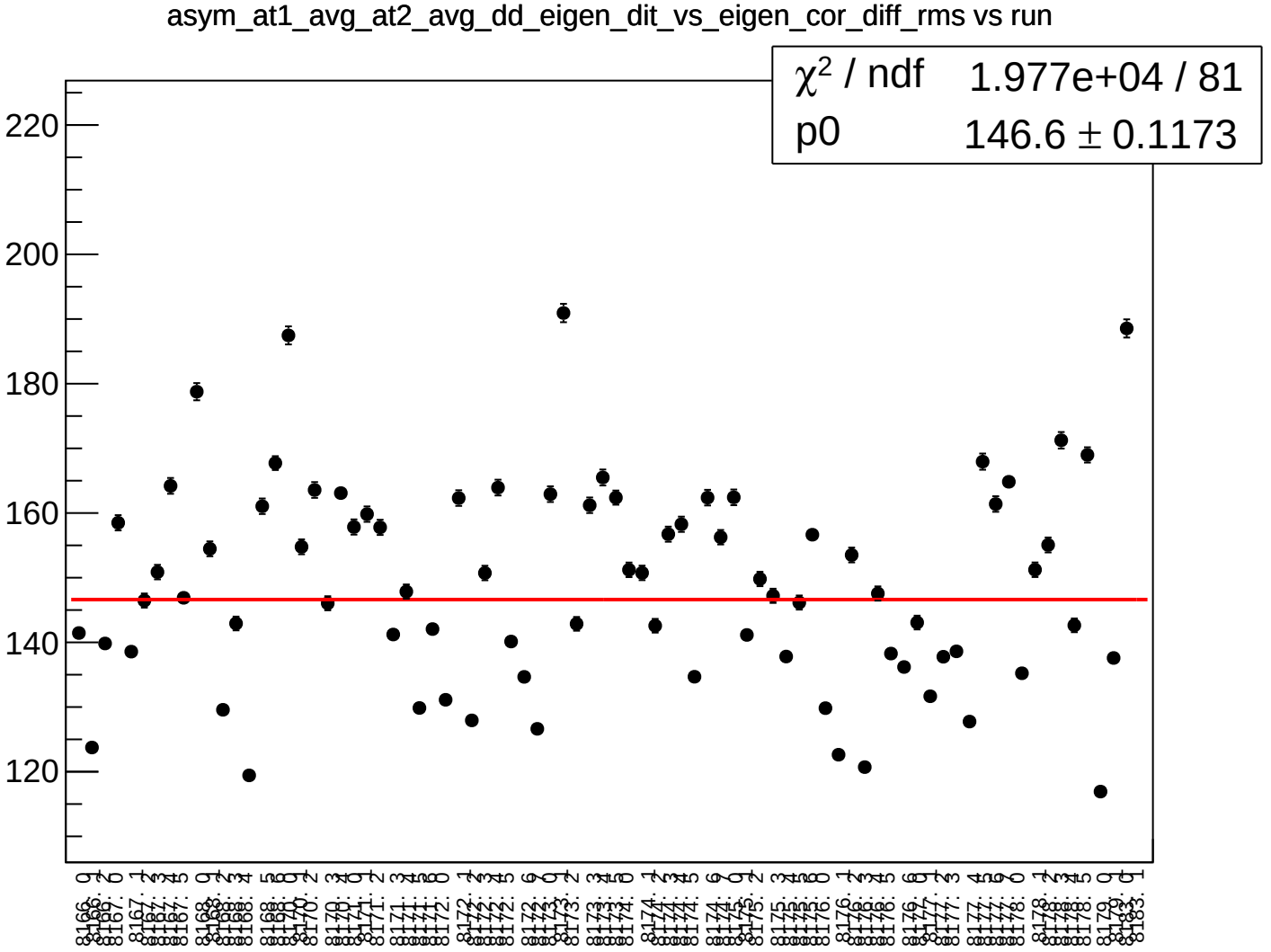

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.23 / 81
p0 −4.184e−06 ± 2.793e−05
pull
Entries 82
Mean −2881
Std Dev 0
pull1D
Entries 82
Mean −0.0004302
Std Dev 1.078

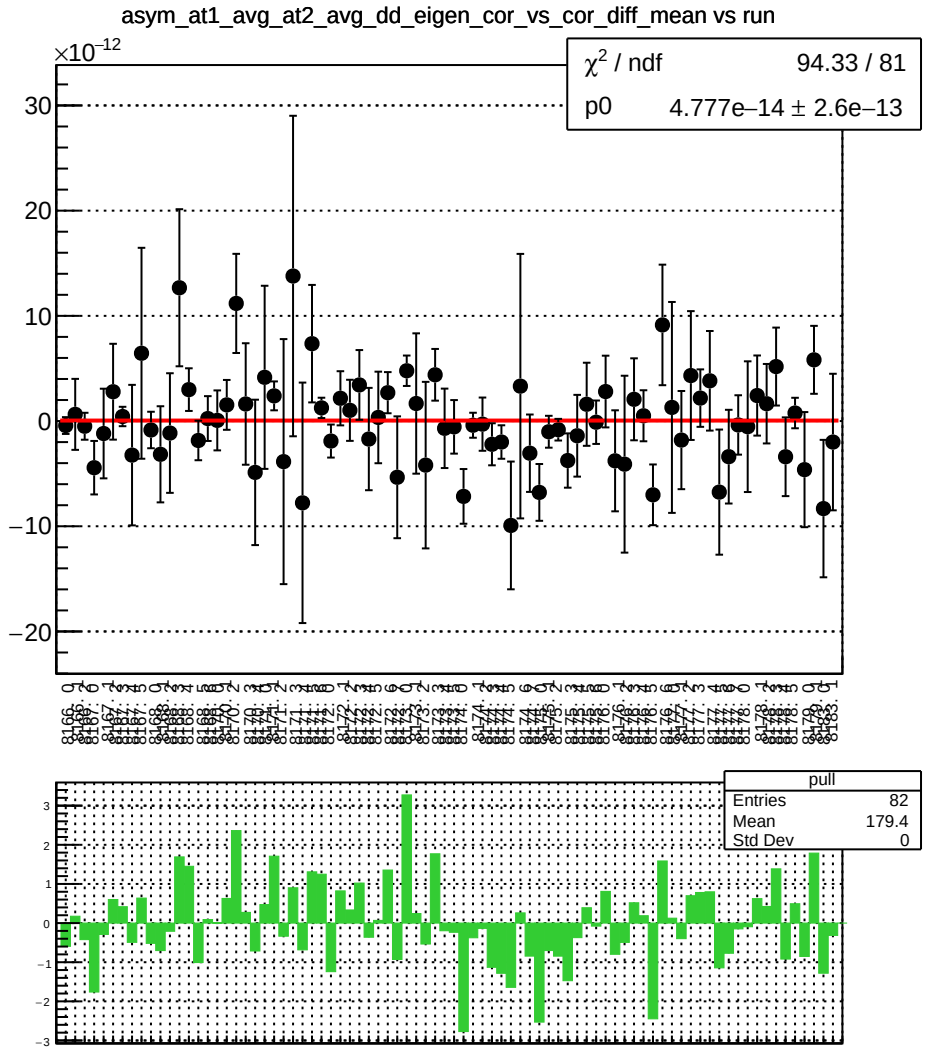

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1007 / 81
p0 0.02484 ± 1.975e−05
0.028
0.027
0.026
0.025
0.024

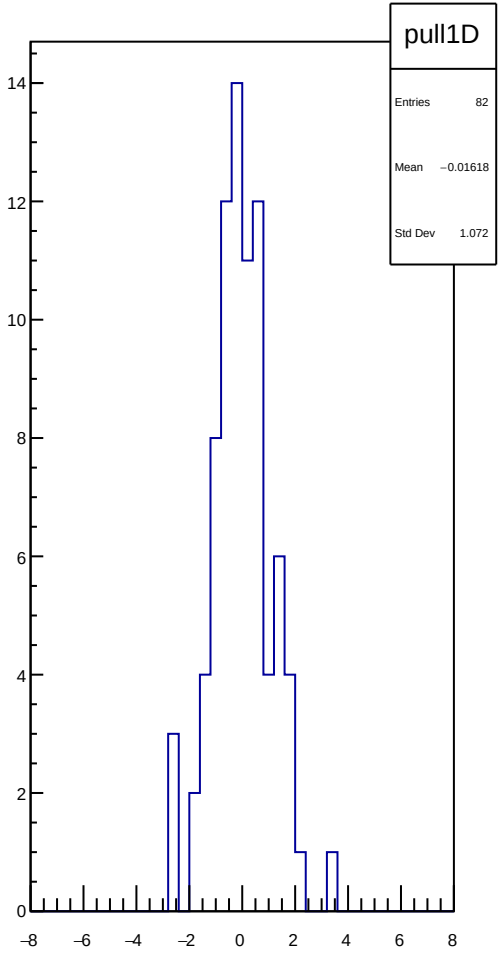

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.17
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

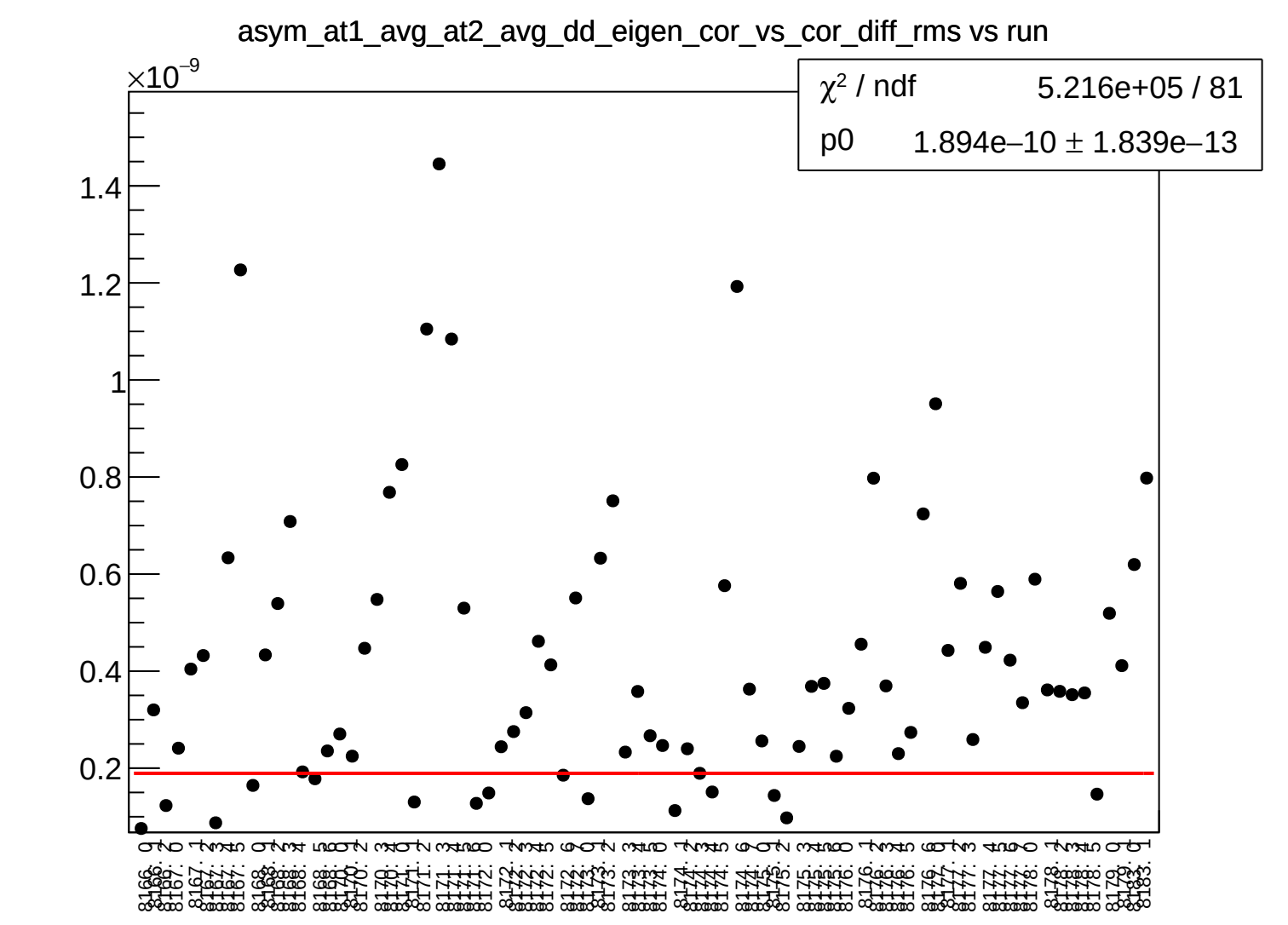

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

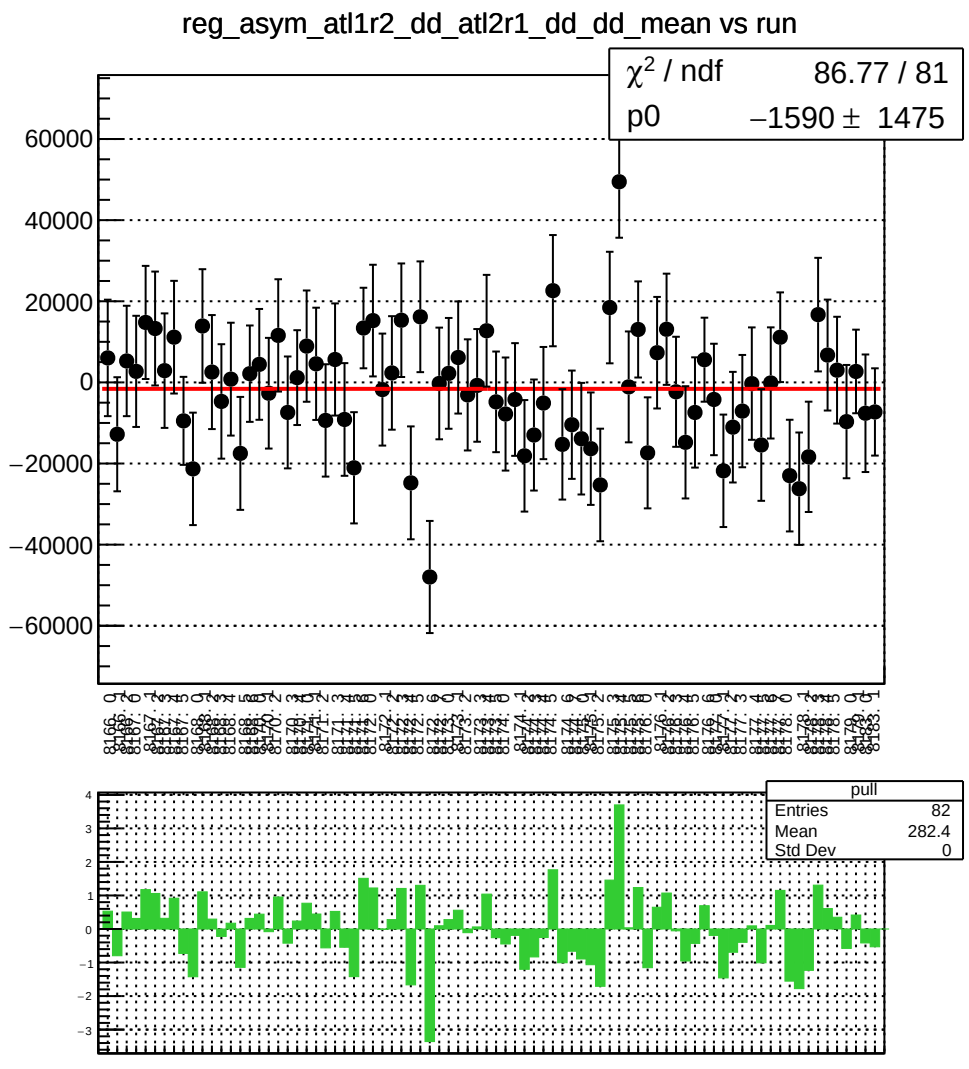

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.17
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

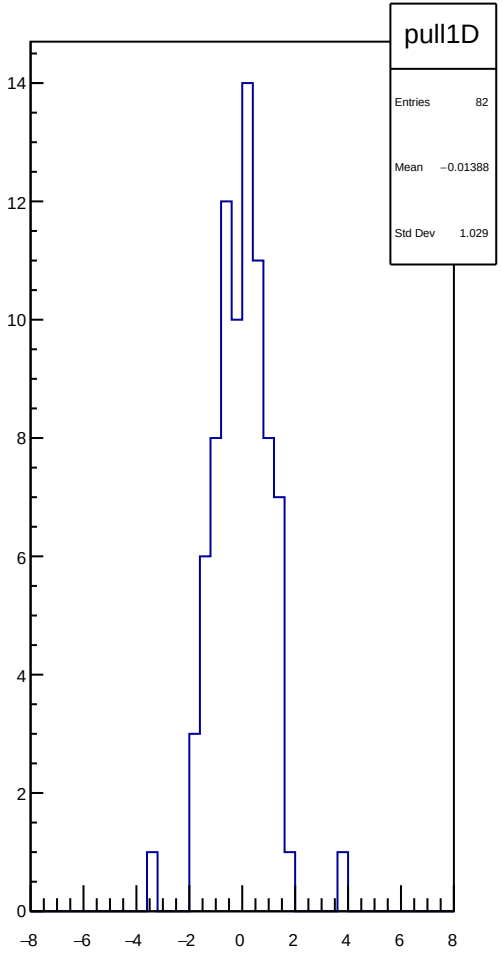

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

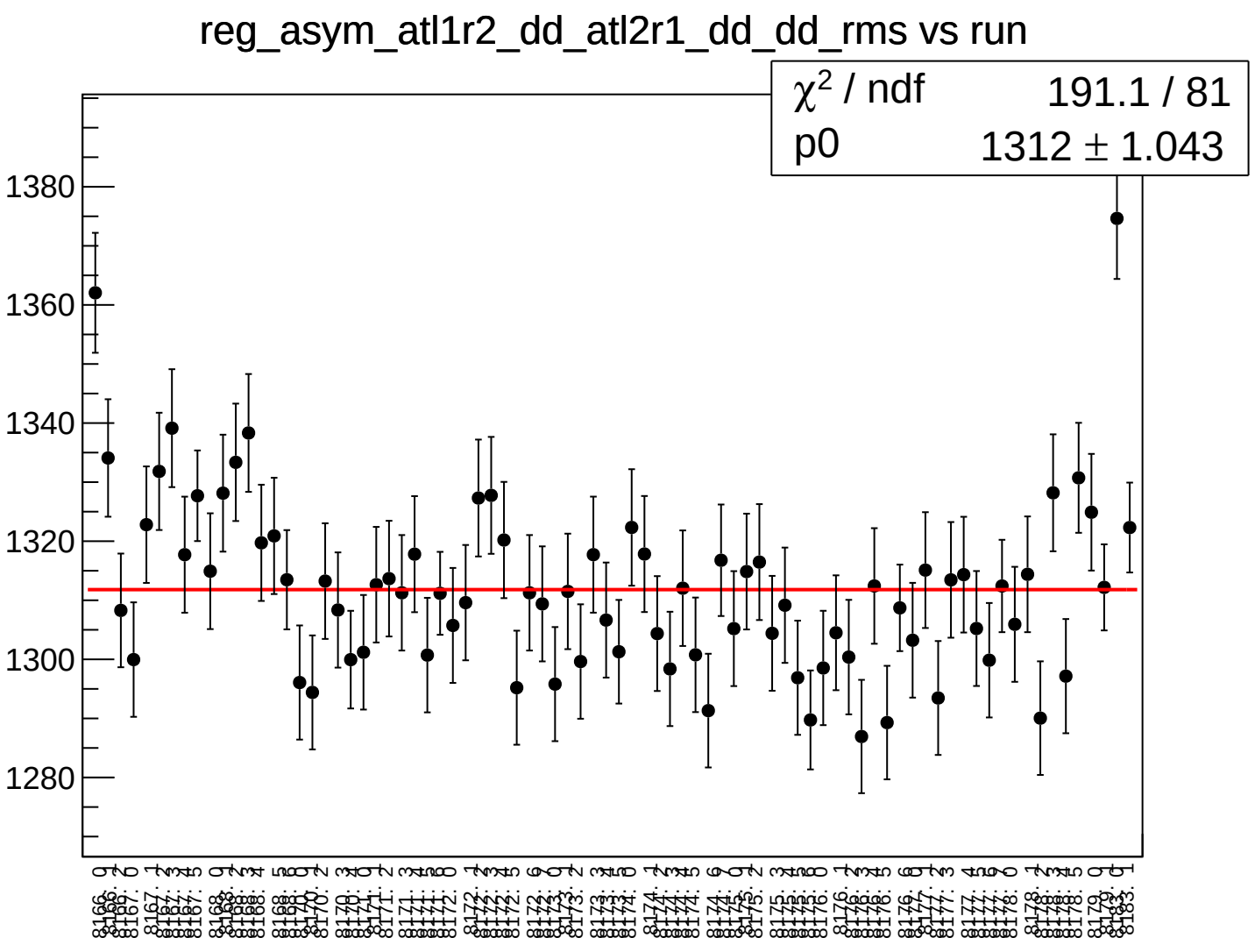

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.33 / 81
p0 4.777e−14 ± 2.6e−13
pull
Entries 82
Mean 179.4
Std Dev 0

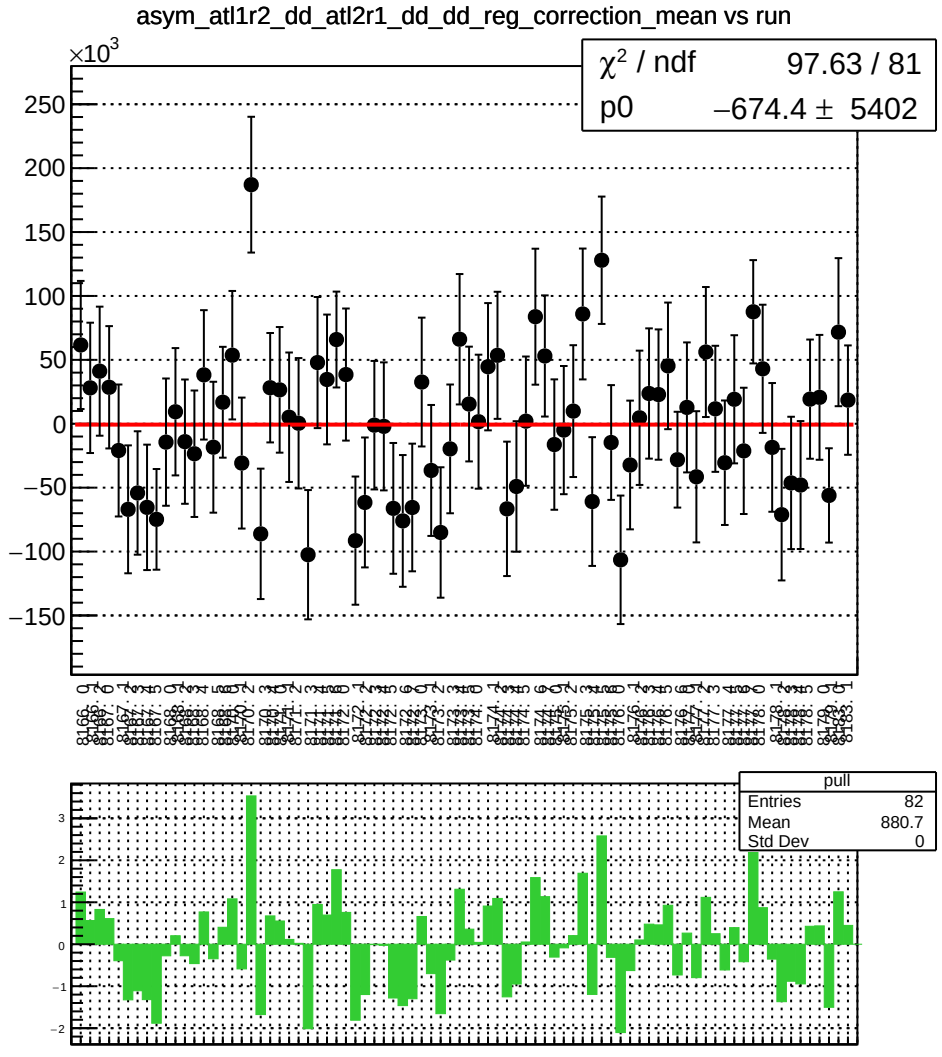

pull1D
Entries 82
Mean −0.01618
Std Dev 1.072

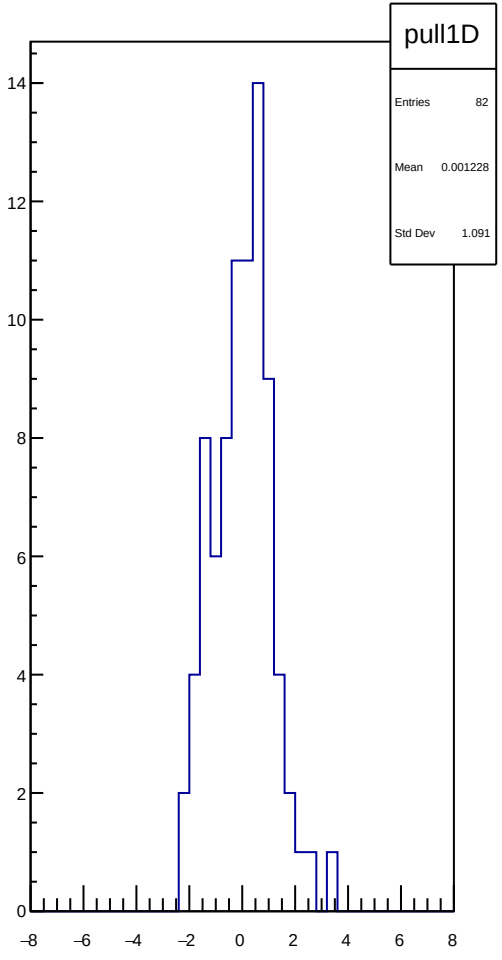

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.216e+05 / 81
p0 1.894e−10 ± 1.839e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

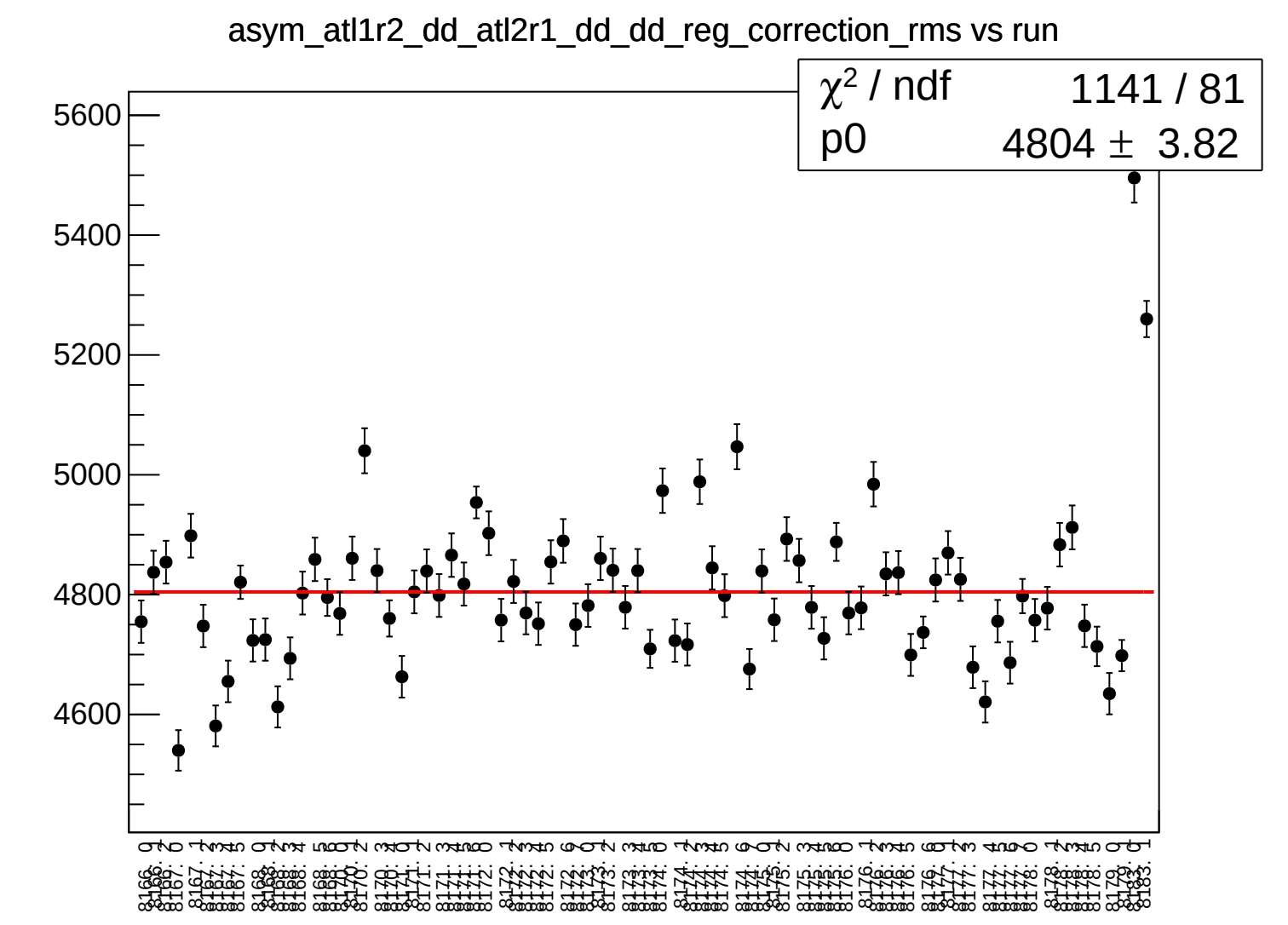

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
pull
Entries 82
Mean 282.4
Std Dev 0

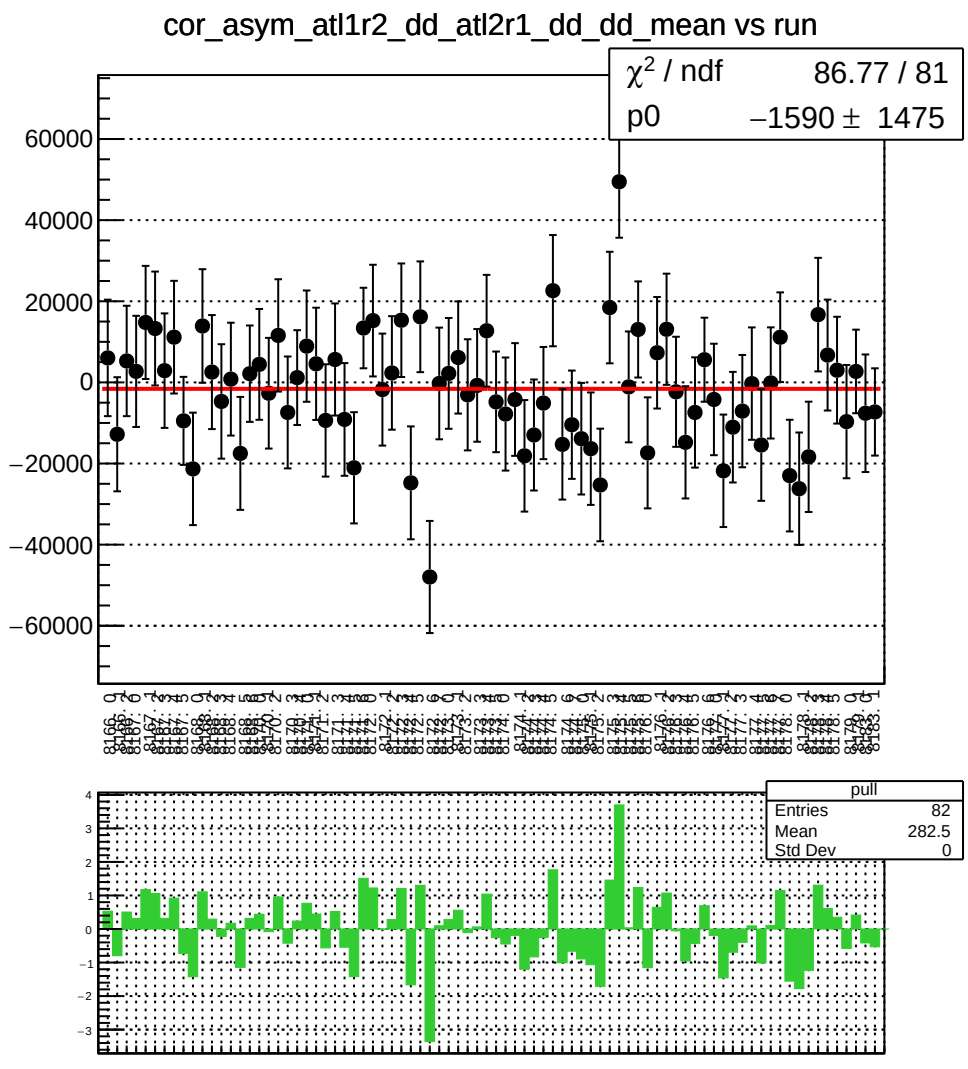

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029

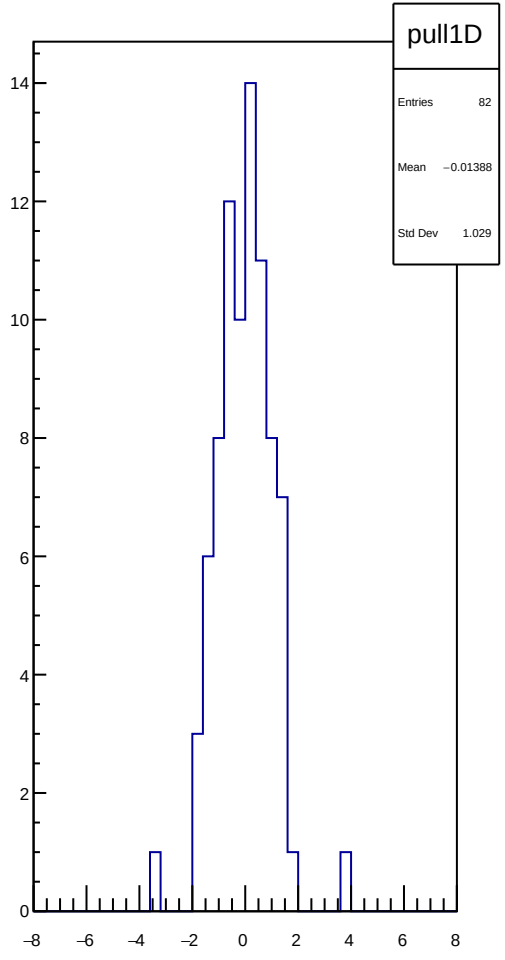

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

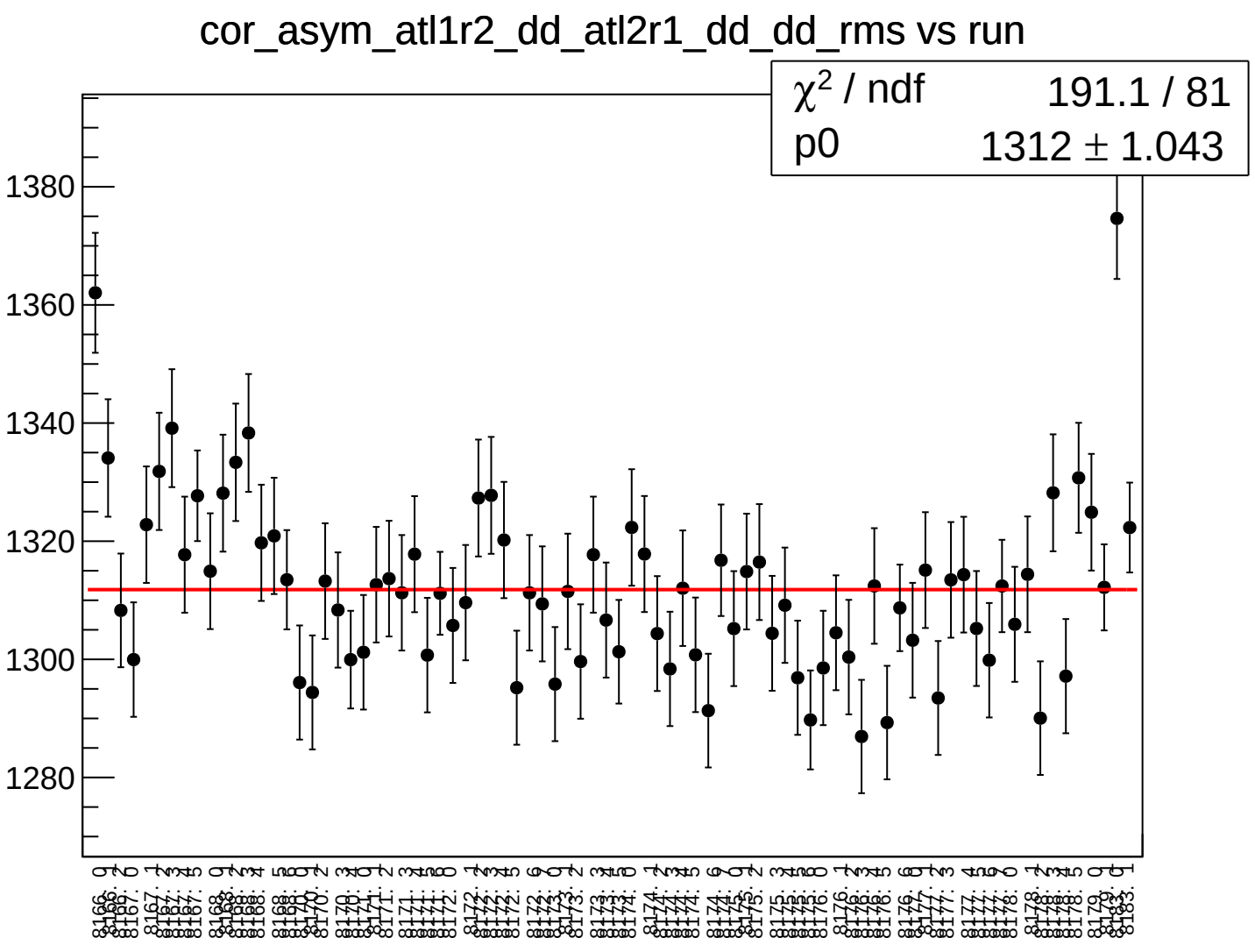

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.4 ± 5402
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 880.7
Std Dev 0
3
2
1
0
−1
−2

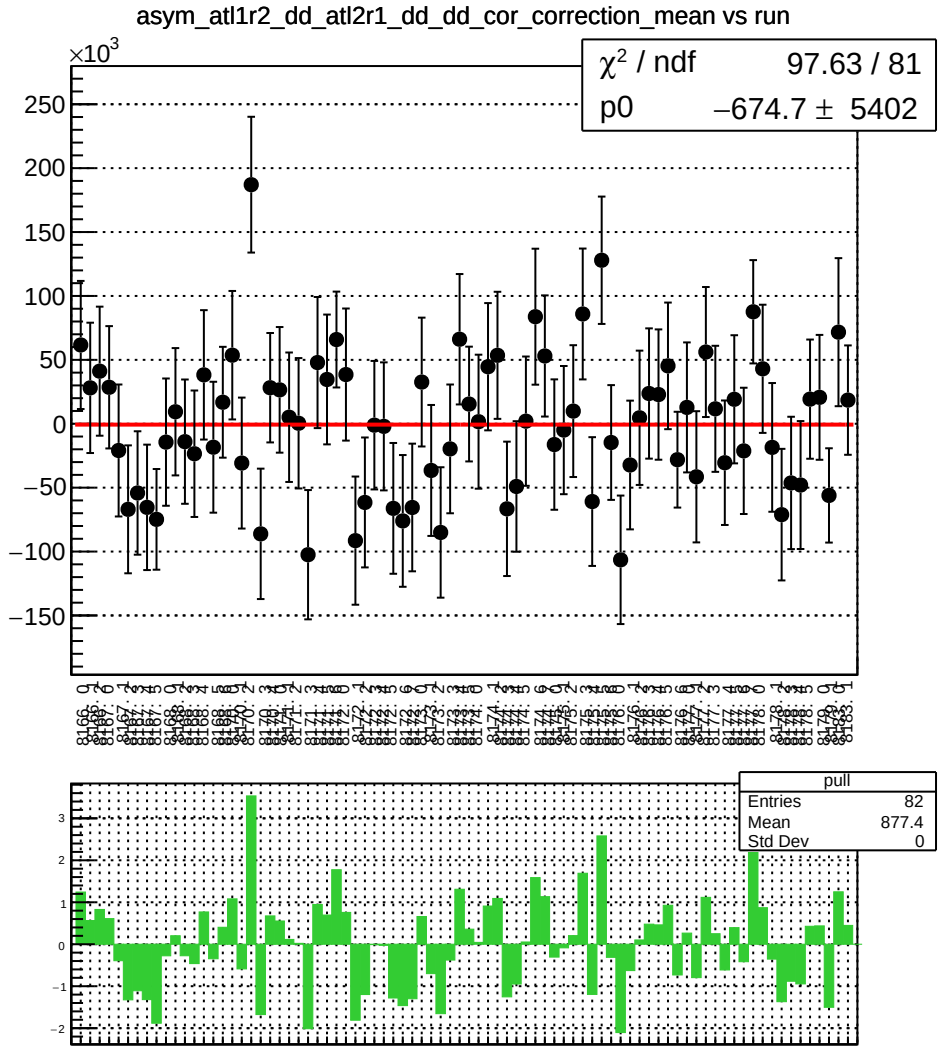

pull1D
Entries 82
Mean 0.001228
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

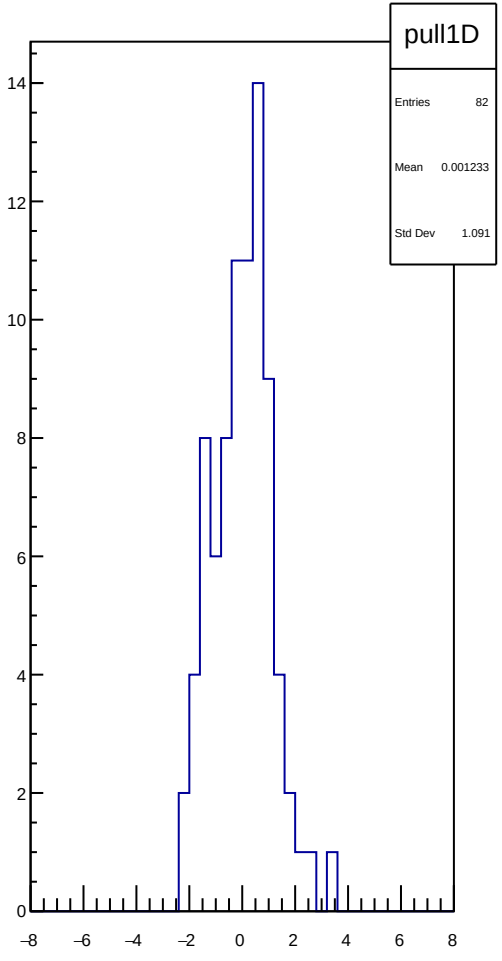

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 1141 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

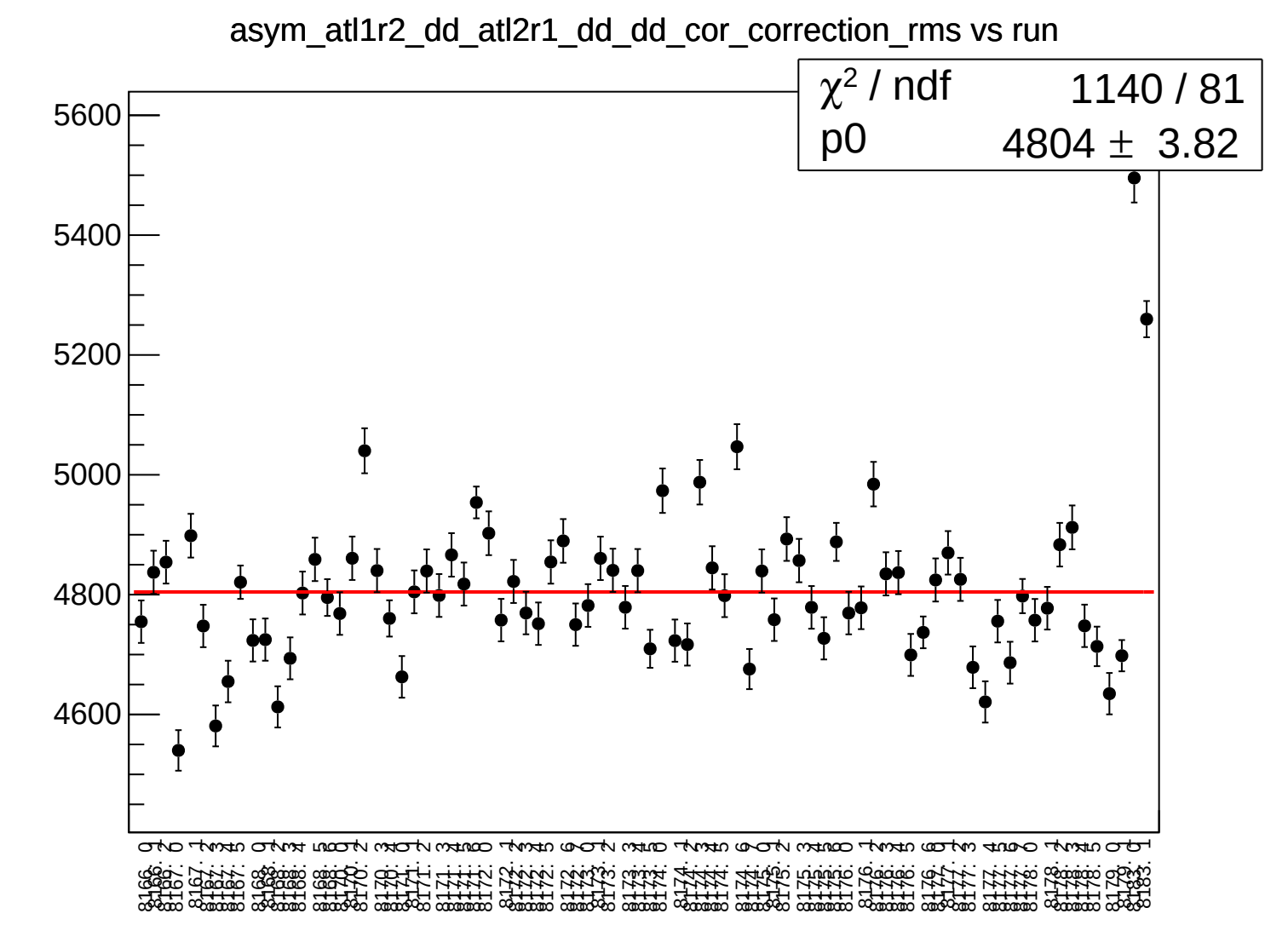

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 282.5
Std Dev 0
4
3
2
1
0
−1
−2
−3

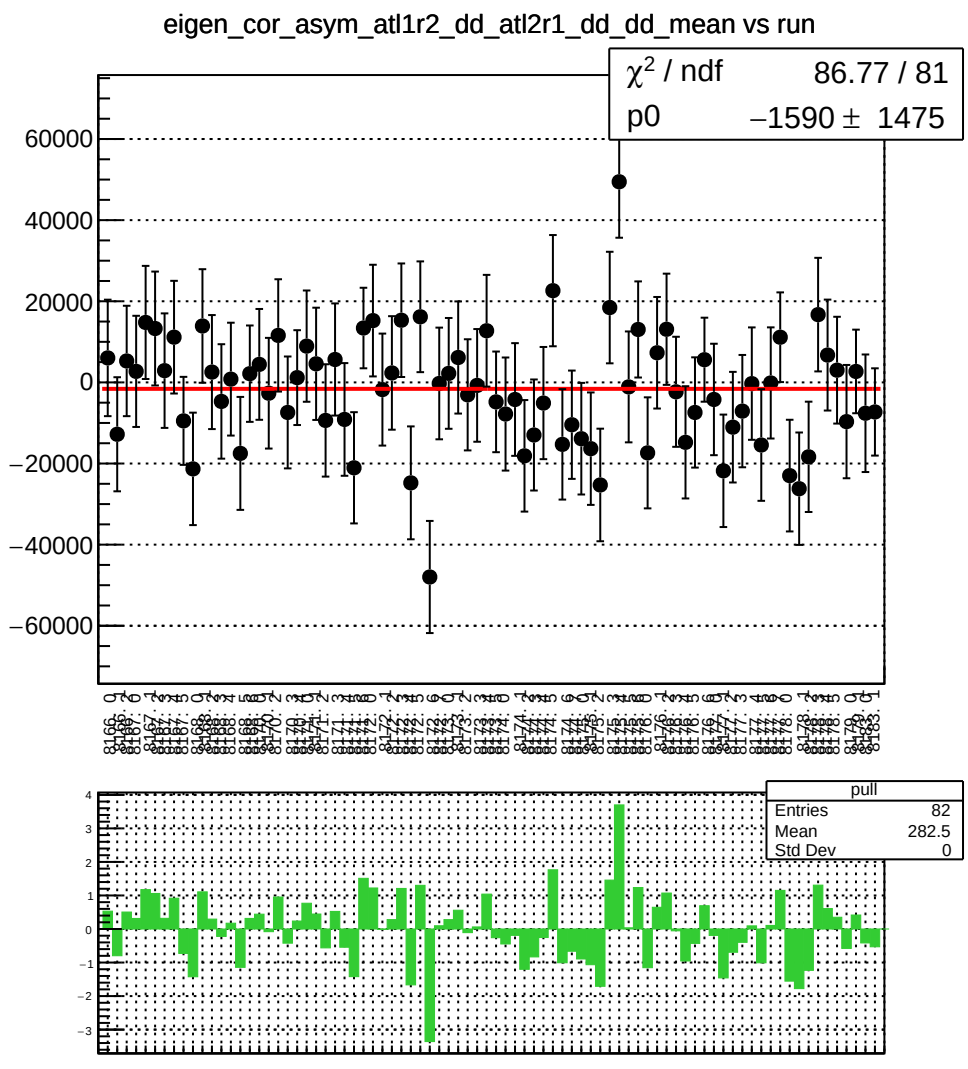

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

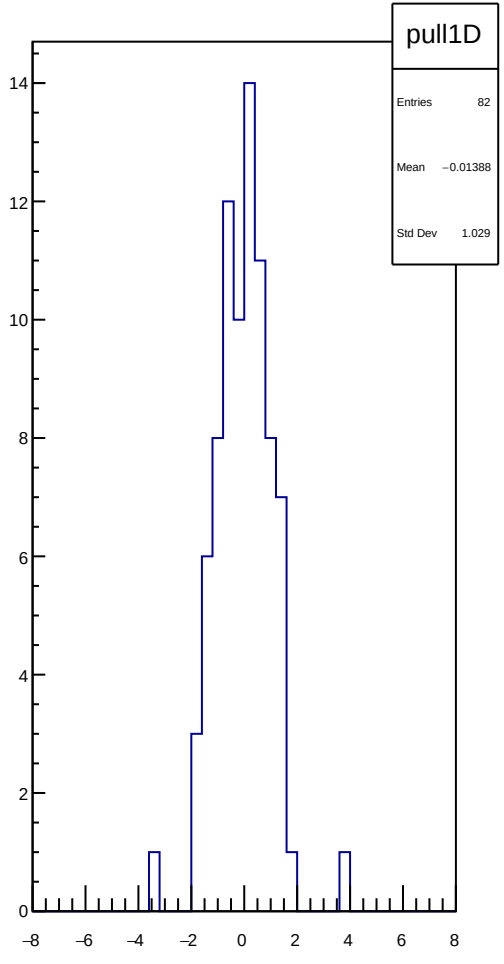

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

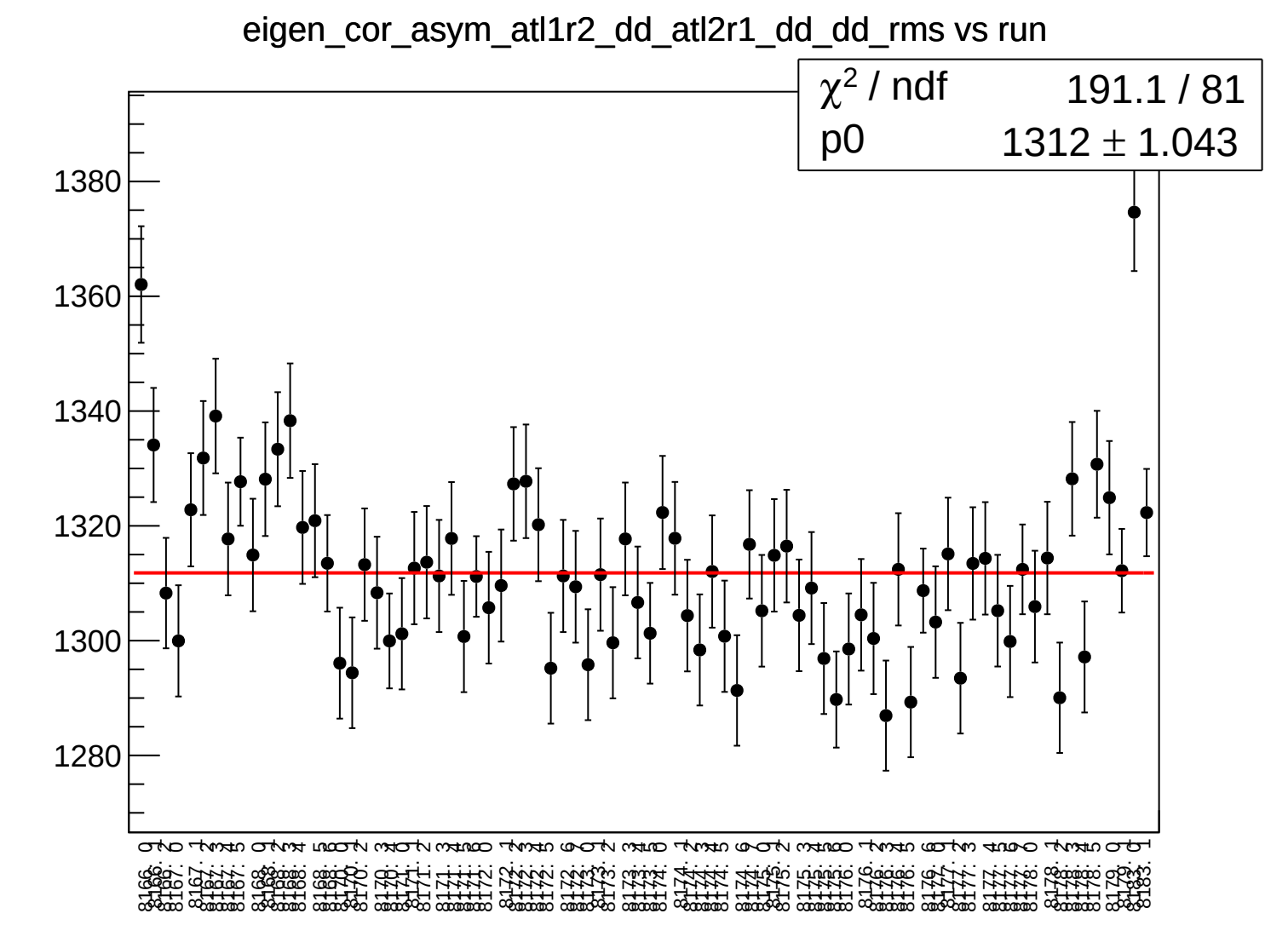

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.7 ± 5402
pull
Entries 82
Mean 877.4
Std Dev 0

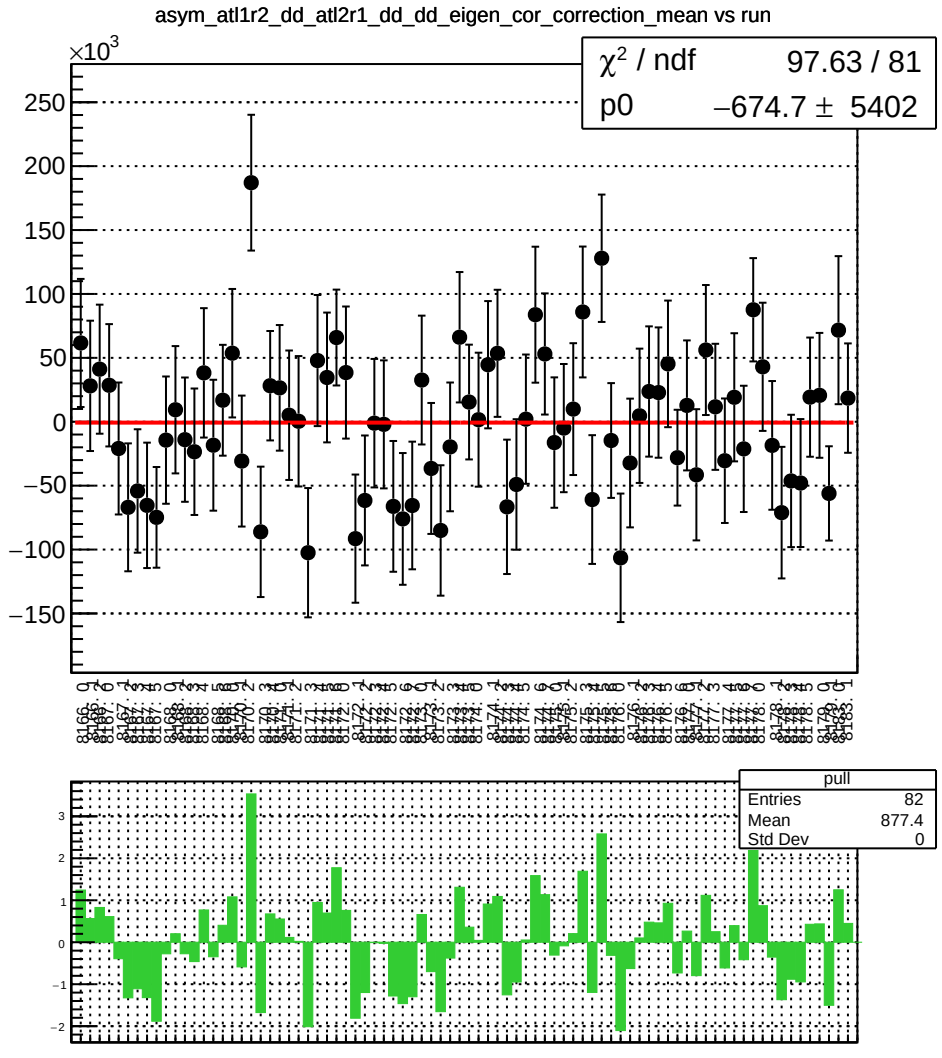

pull1D
Entries 82
Mean 0.001233
Std Dev 1.091

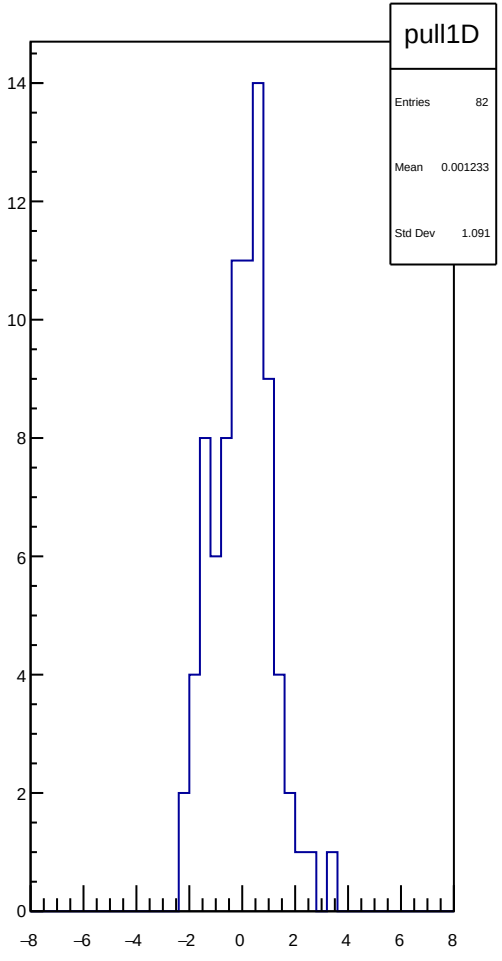

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 1140 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

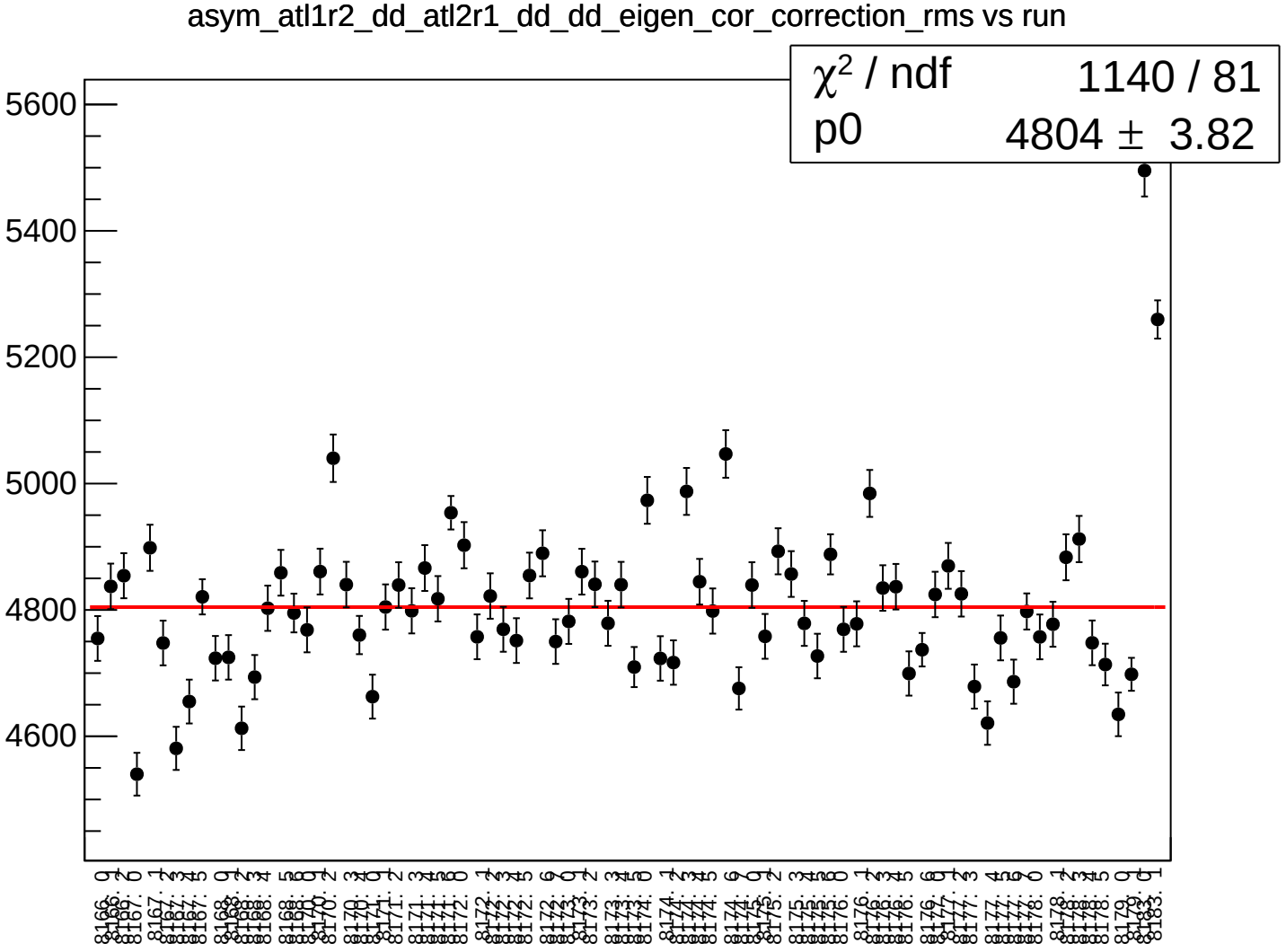

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 86.77 / 81
p0 −1590 ± 1475
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 282.5
Std Dev 0
4
3
2
1
0
−1
−2
−3

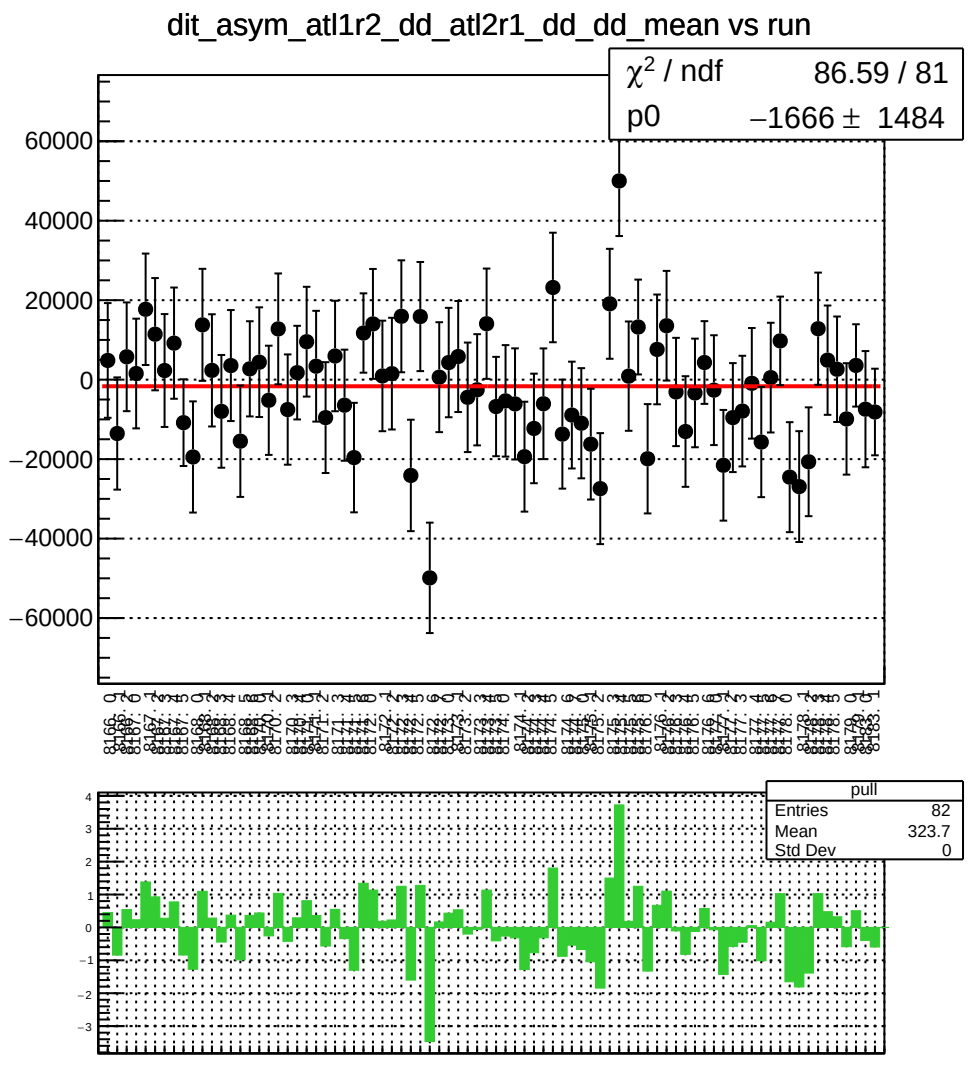

pull1D
Entries 82
Mean −0.01388
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

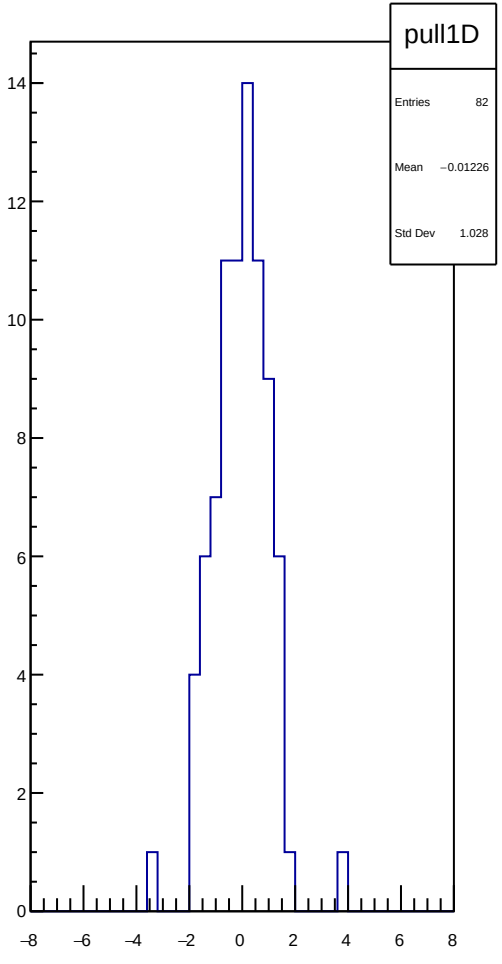

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ^2 / ndf 191.1 / 81
p0 1312 ± 1.043
1380
1360
1340
1320
1300
1280

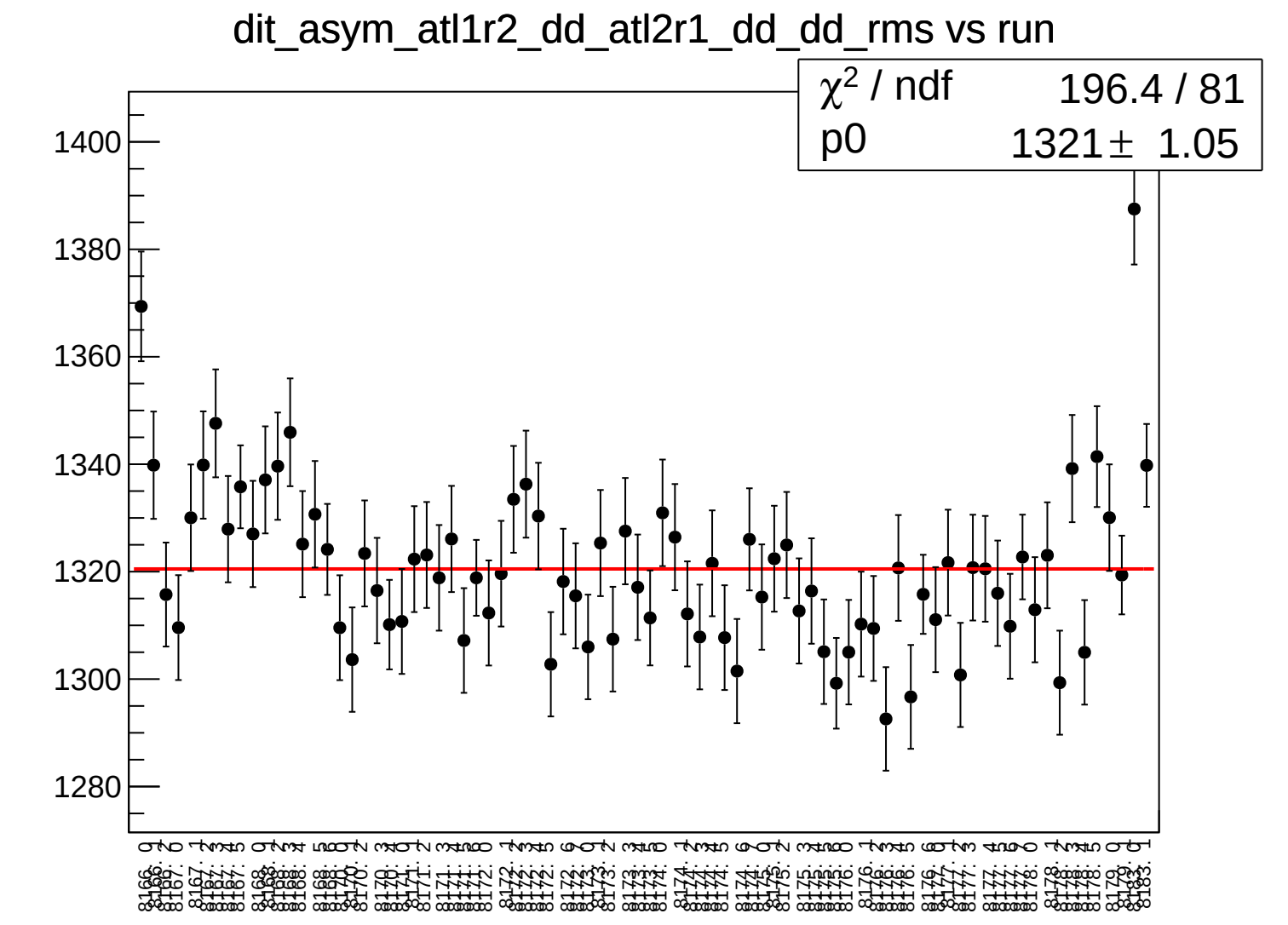

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.63 / 81
p0 −674.7 ± 5402
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 877.4
Std Dev 0
3
2
1
0
−1
−2

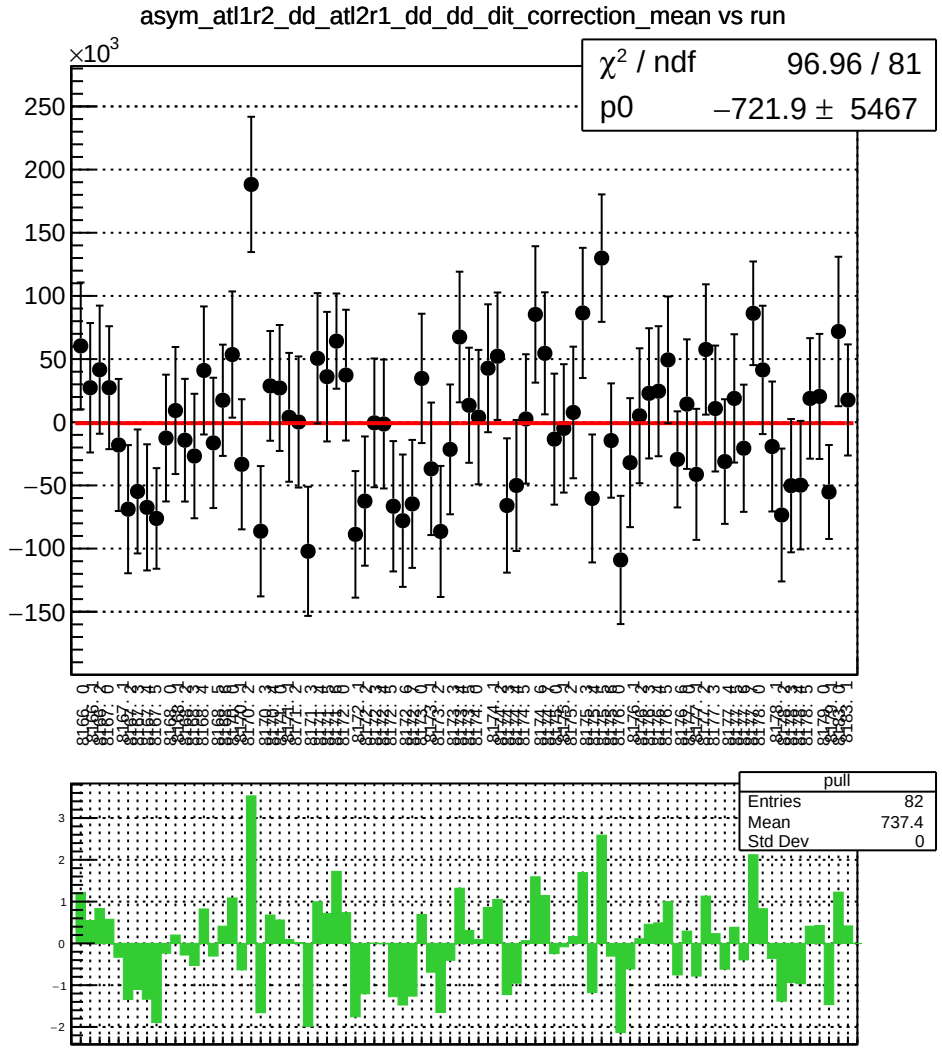

pull1D
Entries 82
Mean 0.001233
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

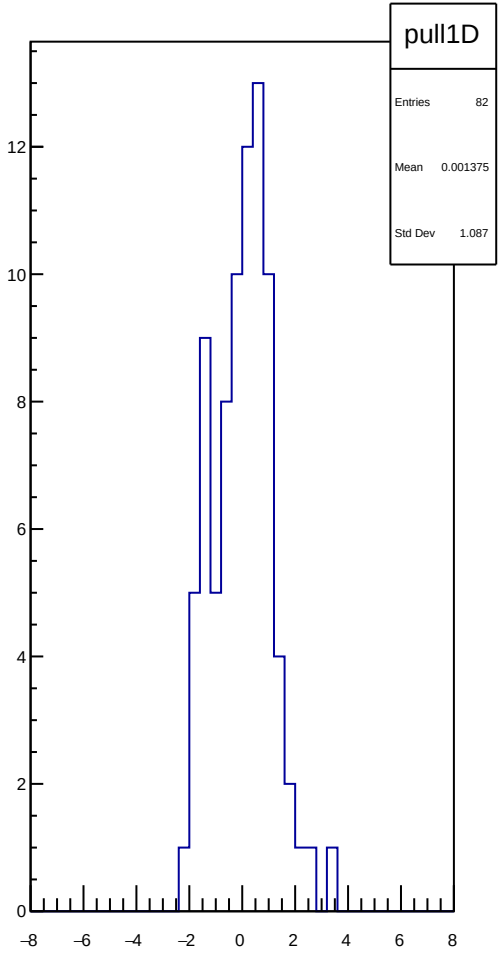

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1140 / 81
p0 4804 ± 3.82
5600
5400
5200
5000
4800
4600

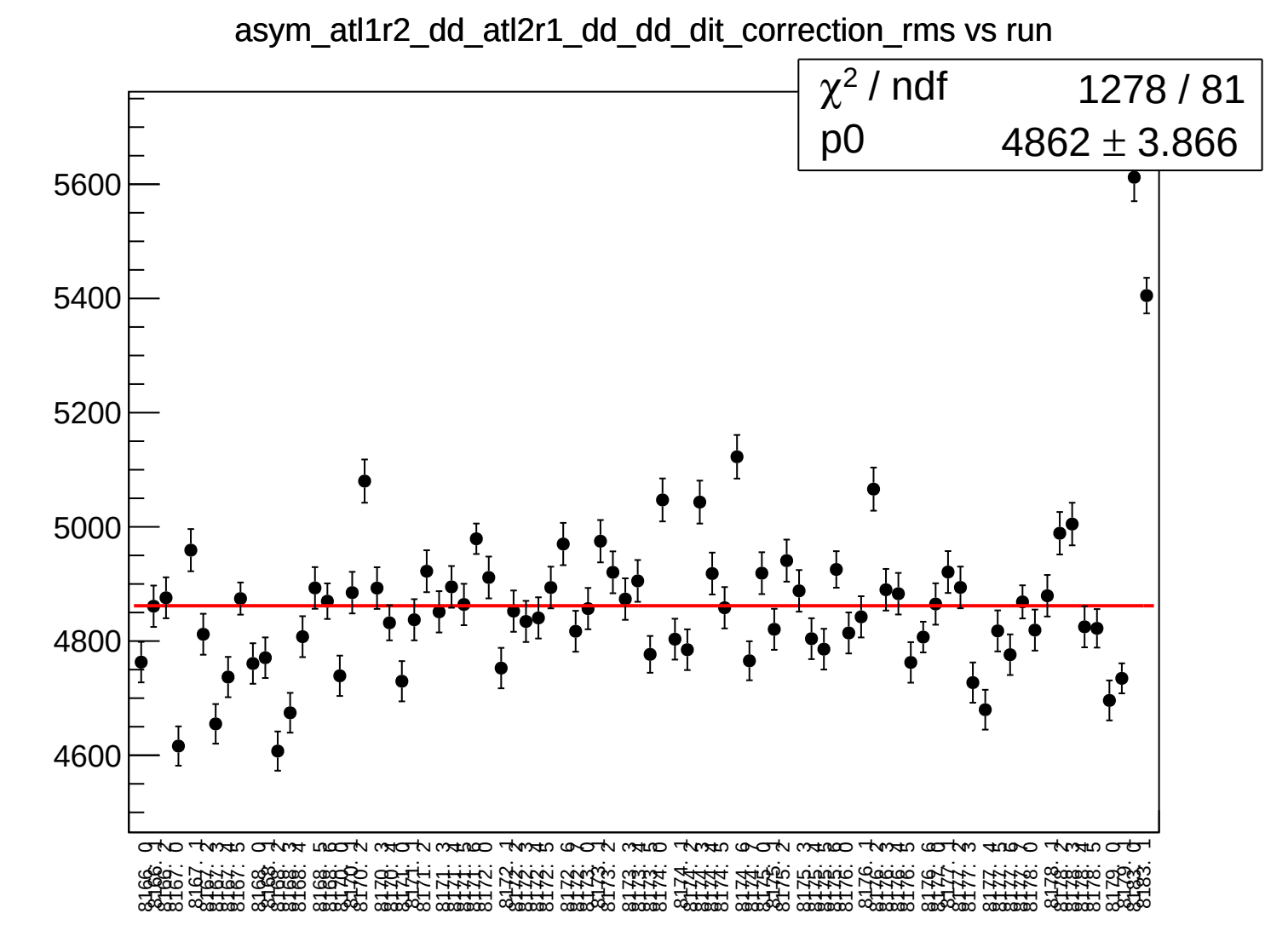

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 86.59 / 81
p0 −1666 ± 1484
pull
Entries 82
Mean 323.7
Std Dev 0

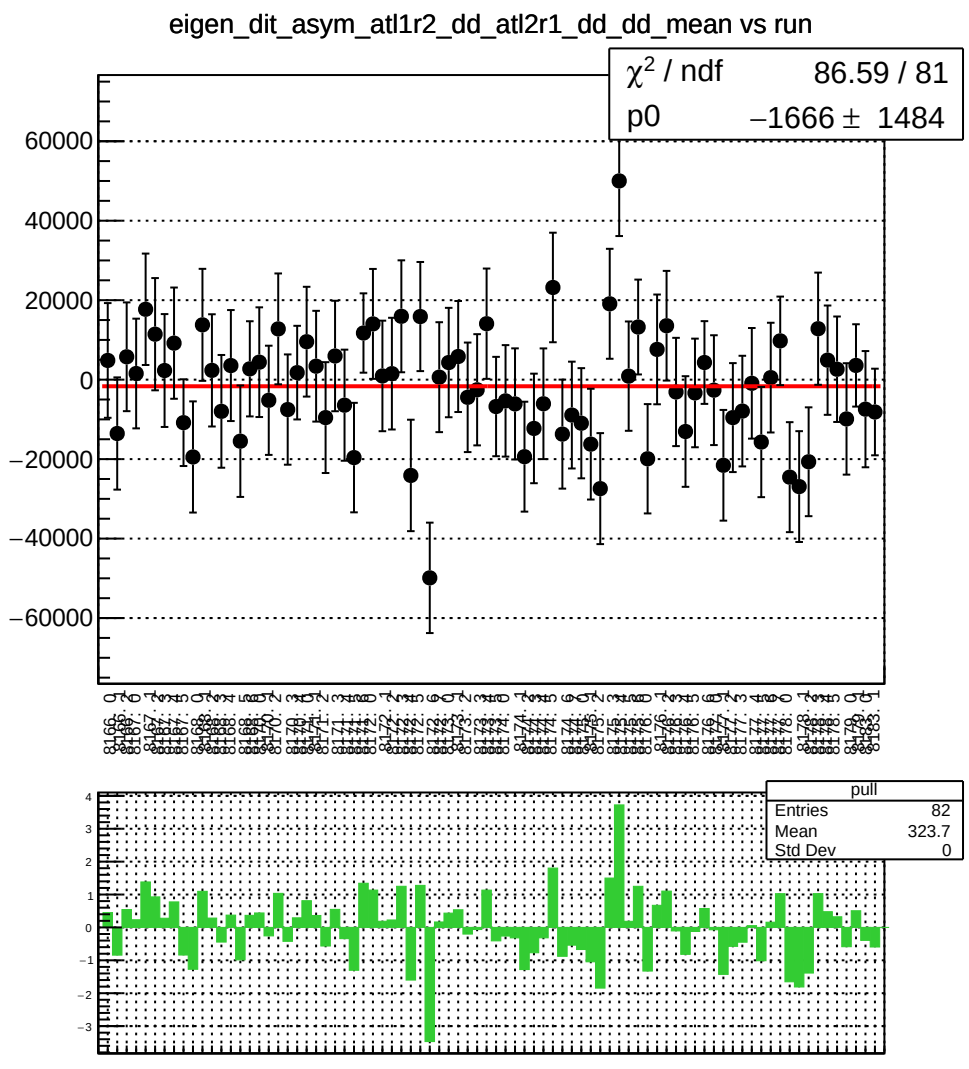

pull1D
Entries 82
Mean −0.01226
Std Dev 1.028

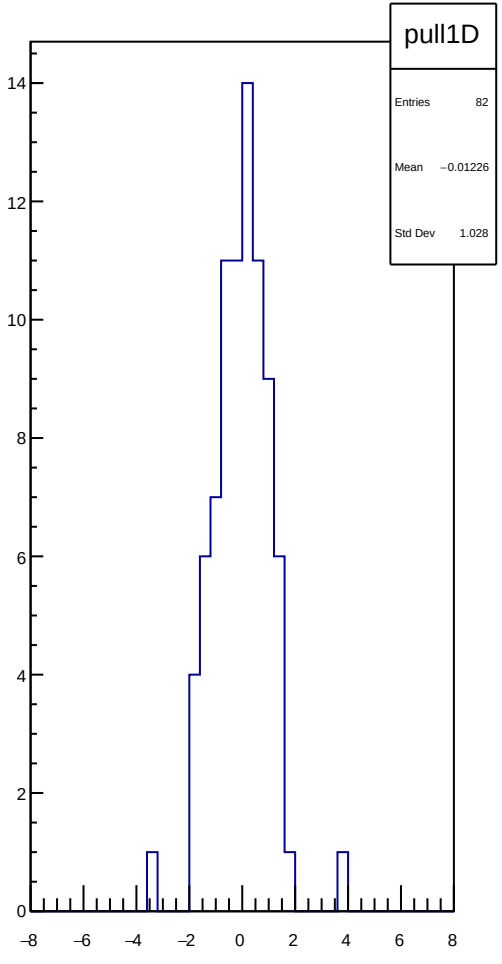

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 196.4 / 81
p0 1321 ± 1.05
1400
1380
1360
1340
1320
1300
1280

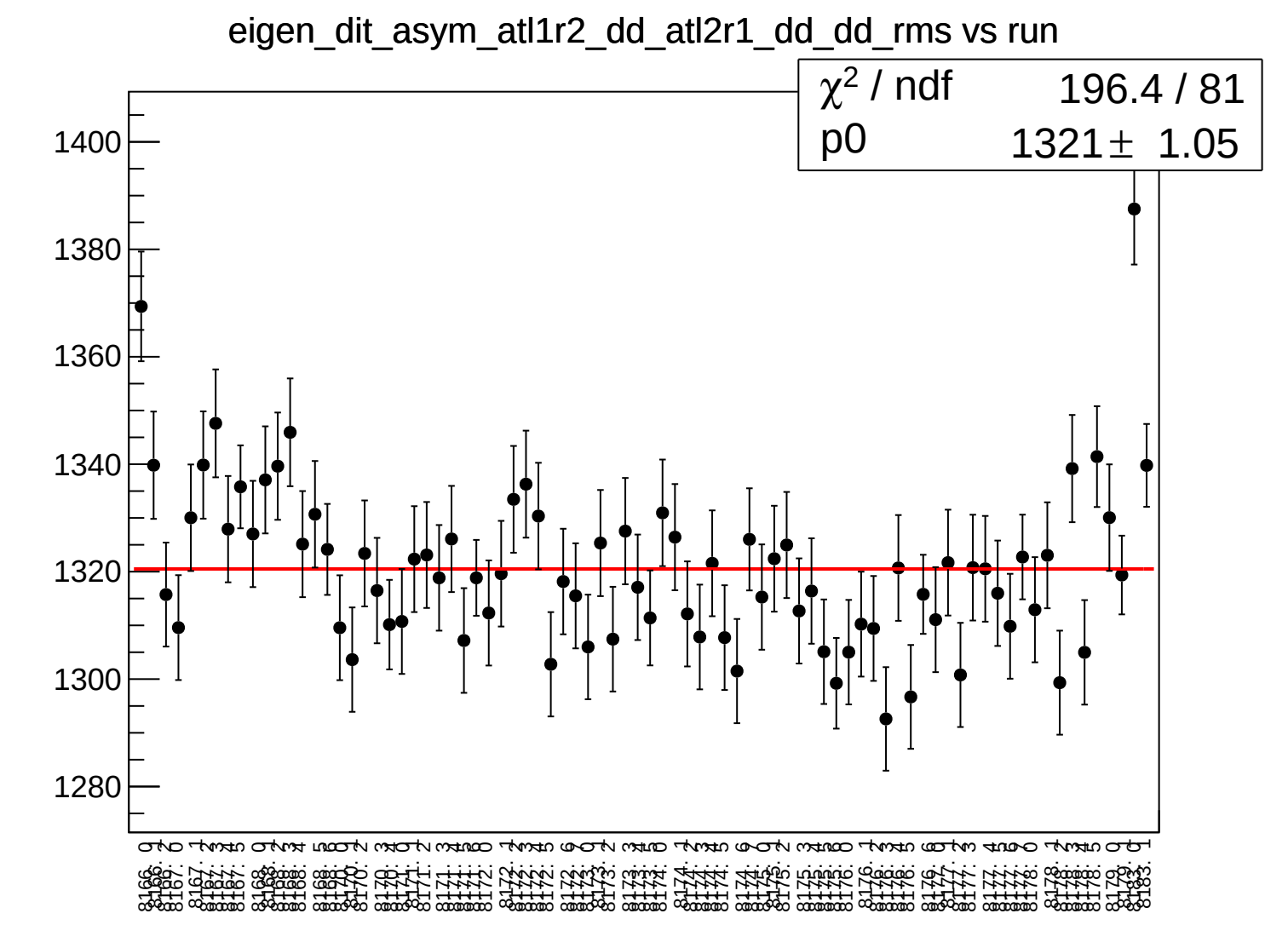

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 96.96 / 81
p0 −721.9 ± 5467
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 737.4
Std Dev 0
3
2
1
0
−1
−2

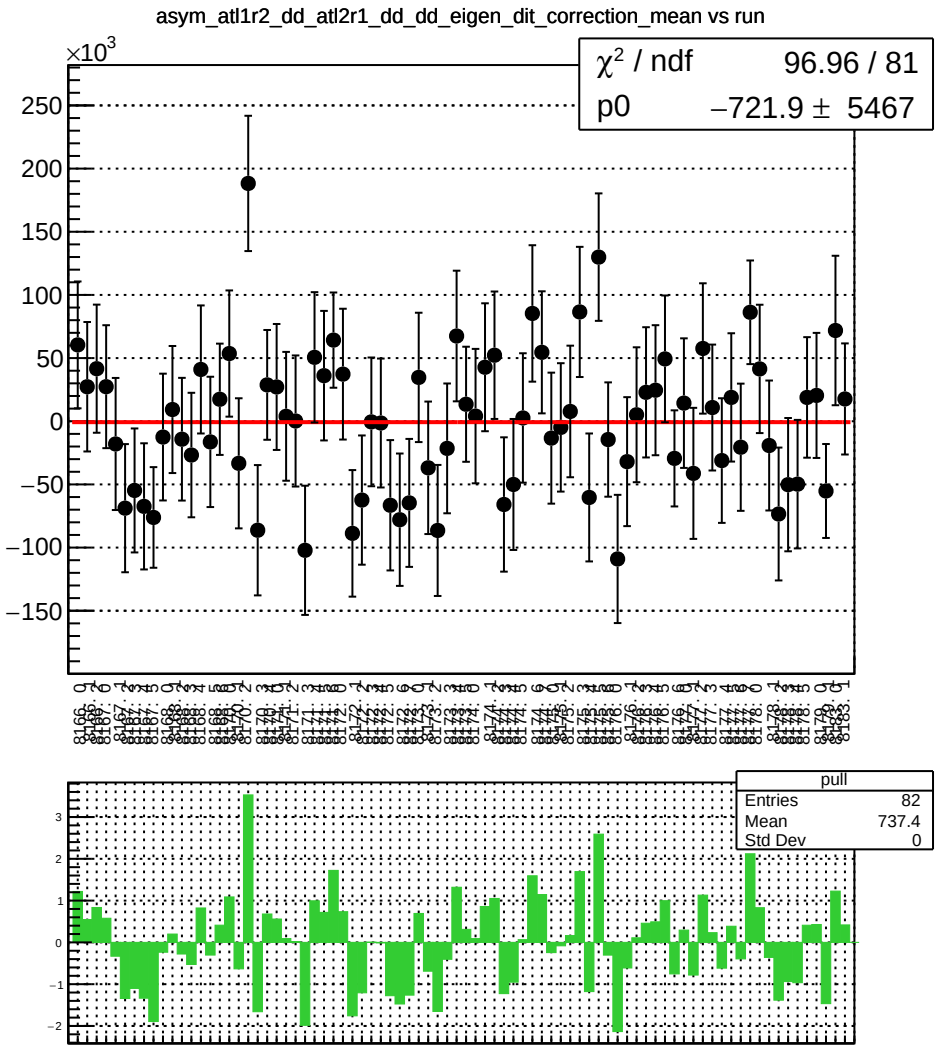

pull1D
Entries 82
Mean 0.001375
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

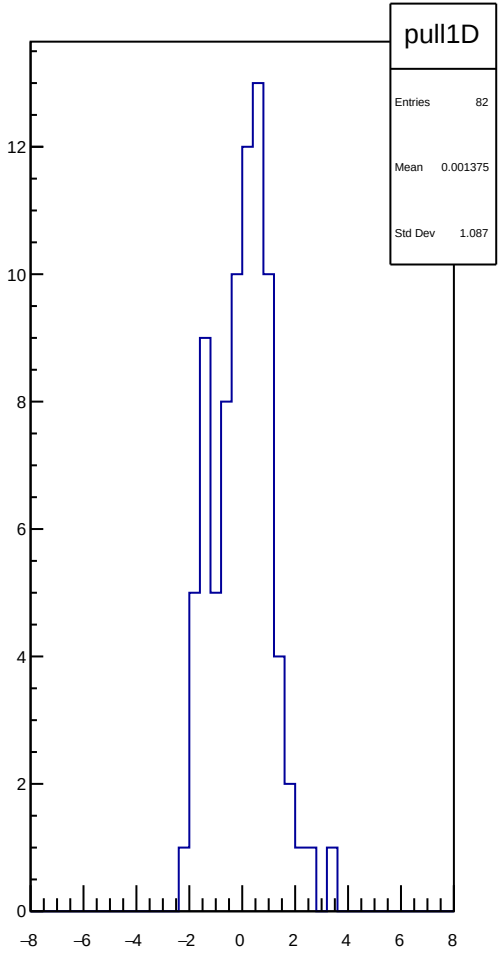

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 1278 / 81
p0 4862 ± 3.866
5600
5400
5200
5000
4800
4600

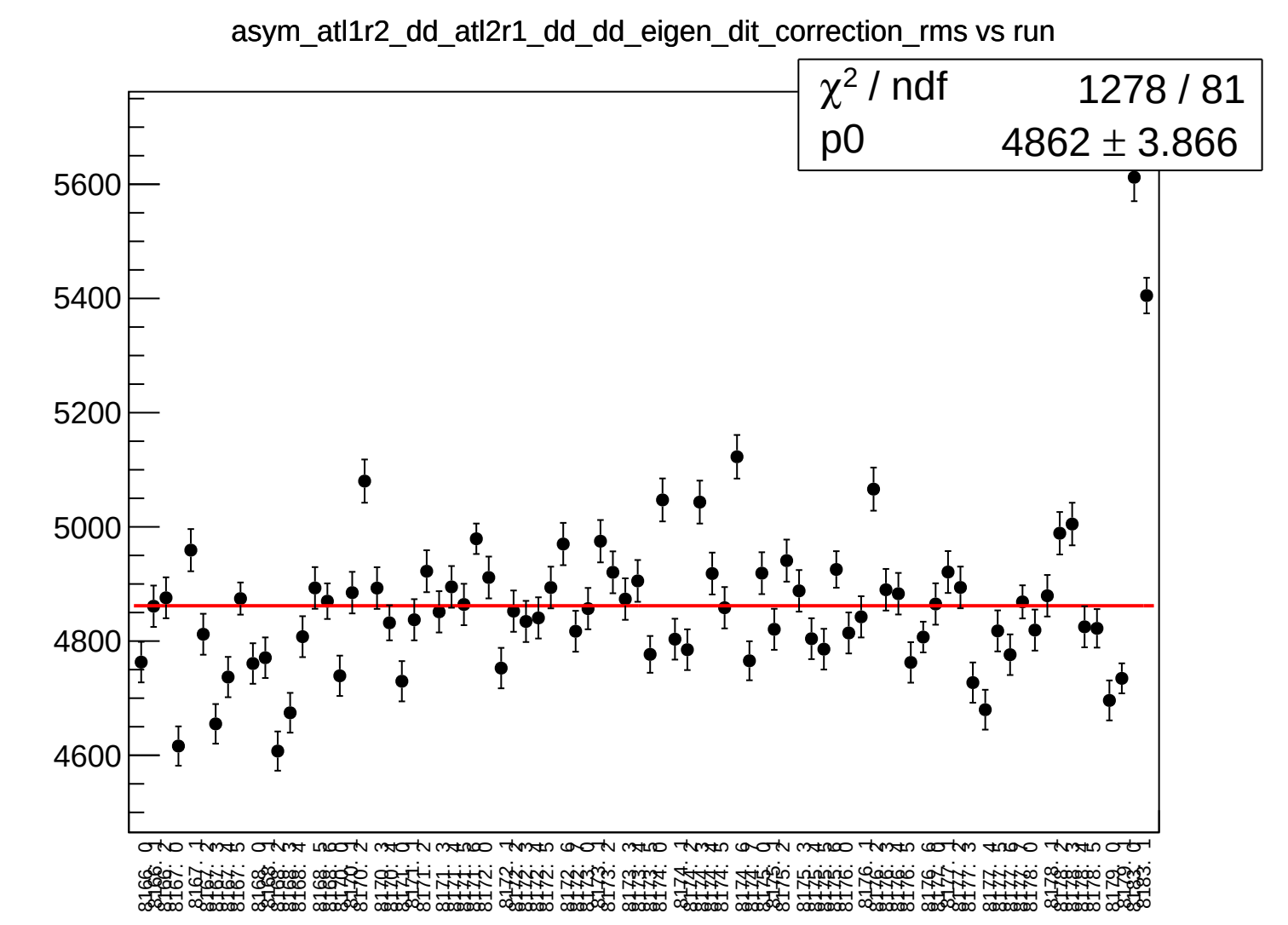

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 86.59 / 81
p0 −1666 ± 1484
pull
Entries 82
Mean 323.7
Std Dev 0

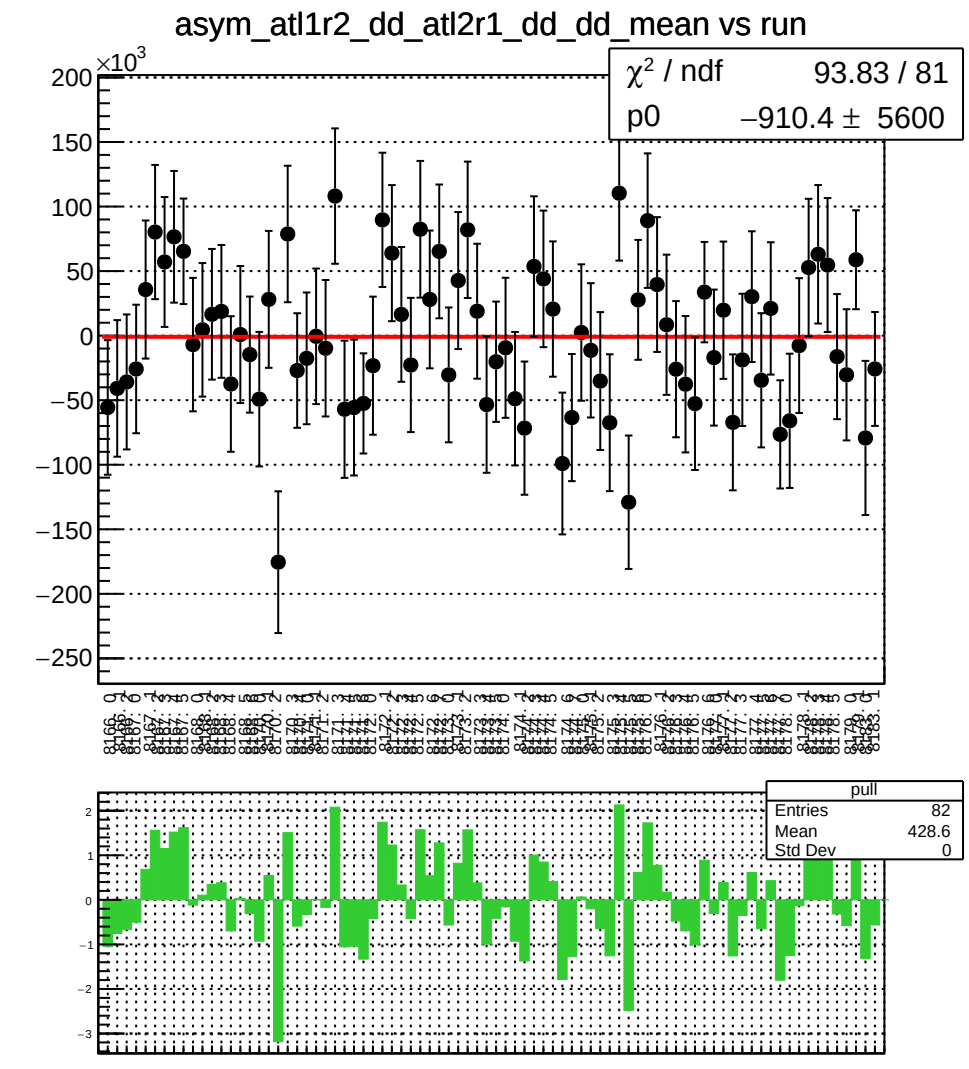

pull1D
Entries 82
Mean −0.01226
Std Dev 1.028

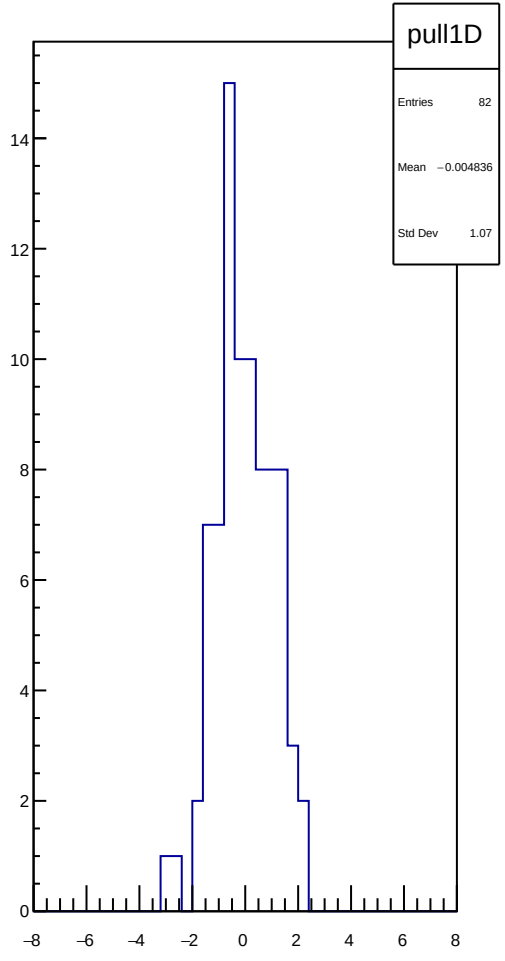

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 196.4 / 81
p0 1321 ± 1.05
1400
1380
1360
1340
1320
1300
1280

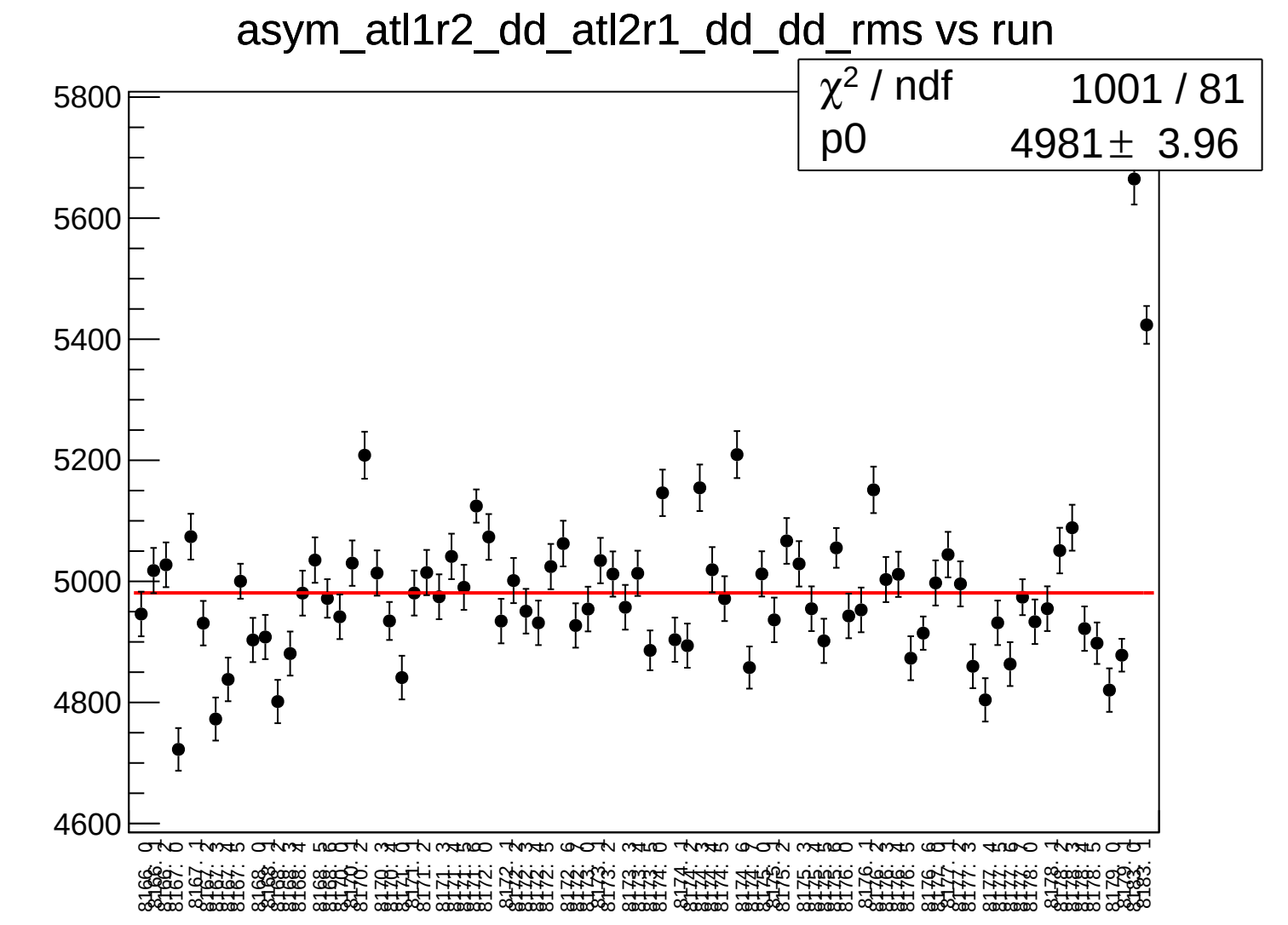

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.96 / 81
p0 −721.9 ± 5467
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 737.4
Std Dev 0
3
2
1
0
−1
−2

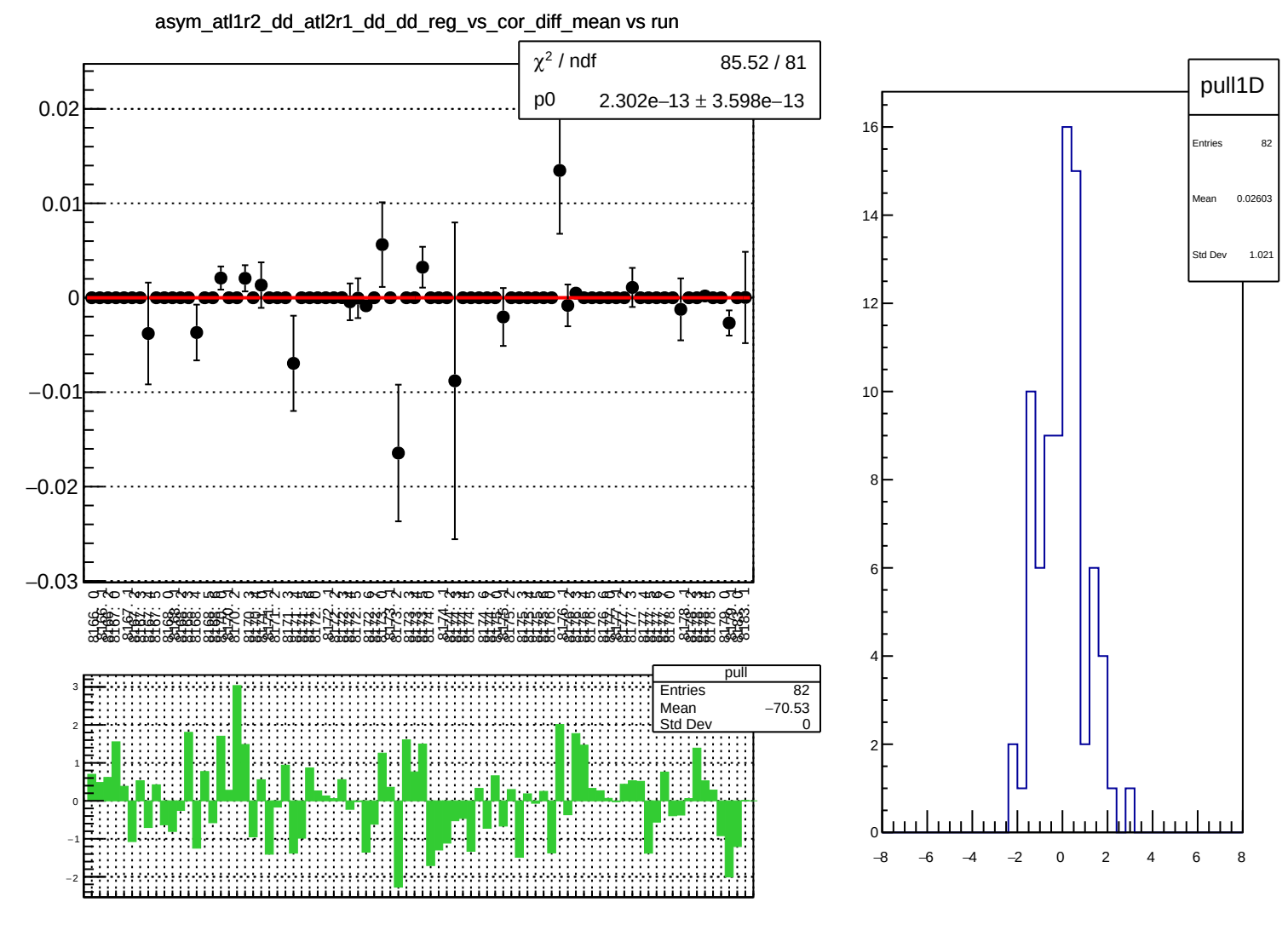

pull1D
Entries 82
Mean 0.001375
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

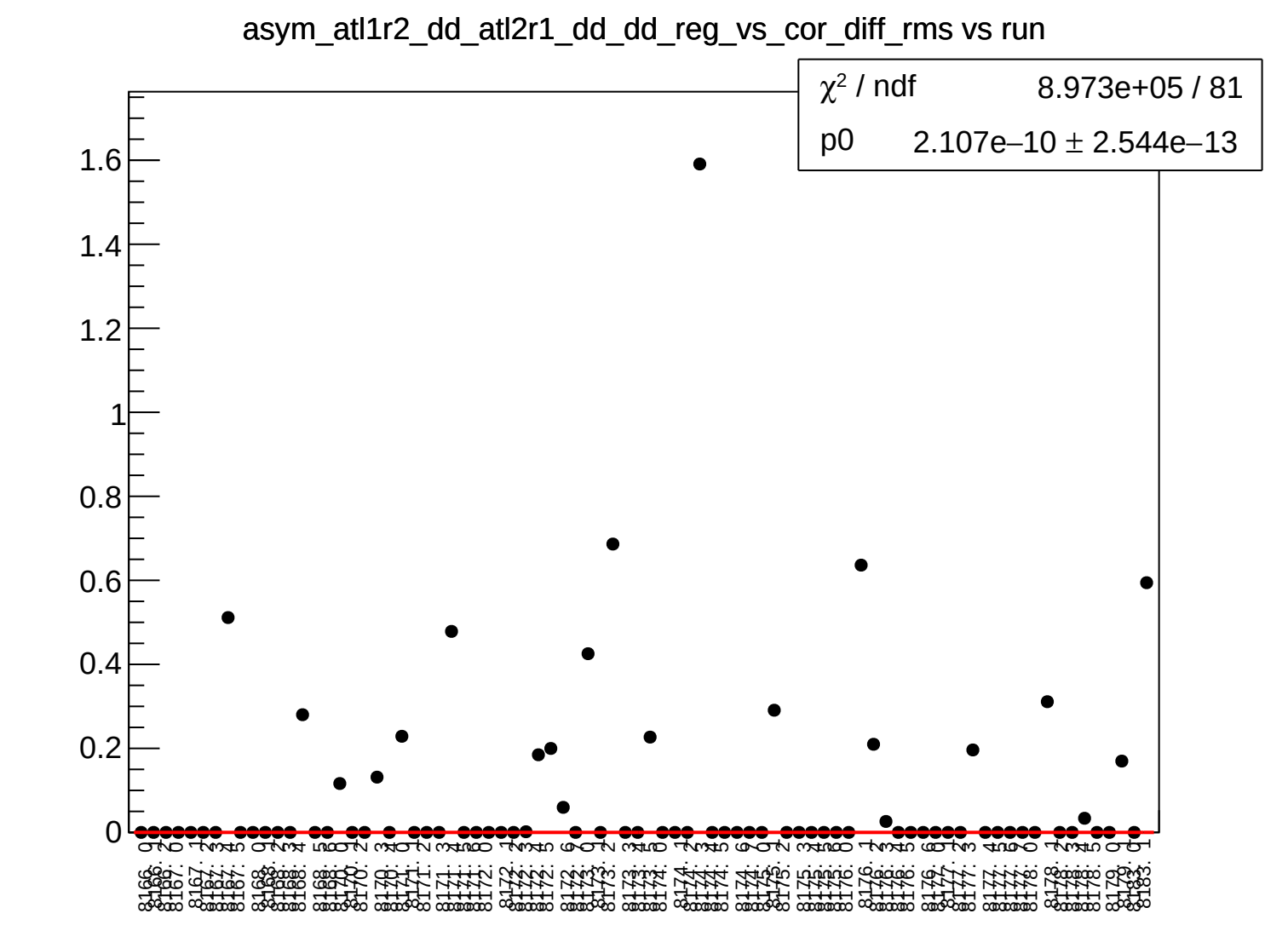

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1278 / 81
p0 4862 ± 3.866
5600
5400
5200
5000
4800
4600

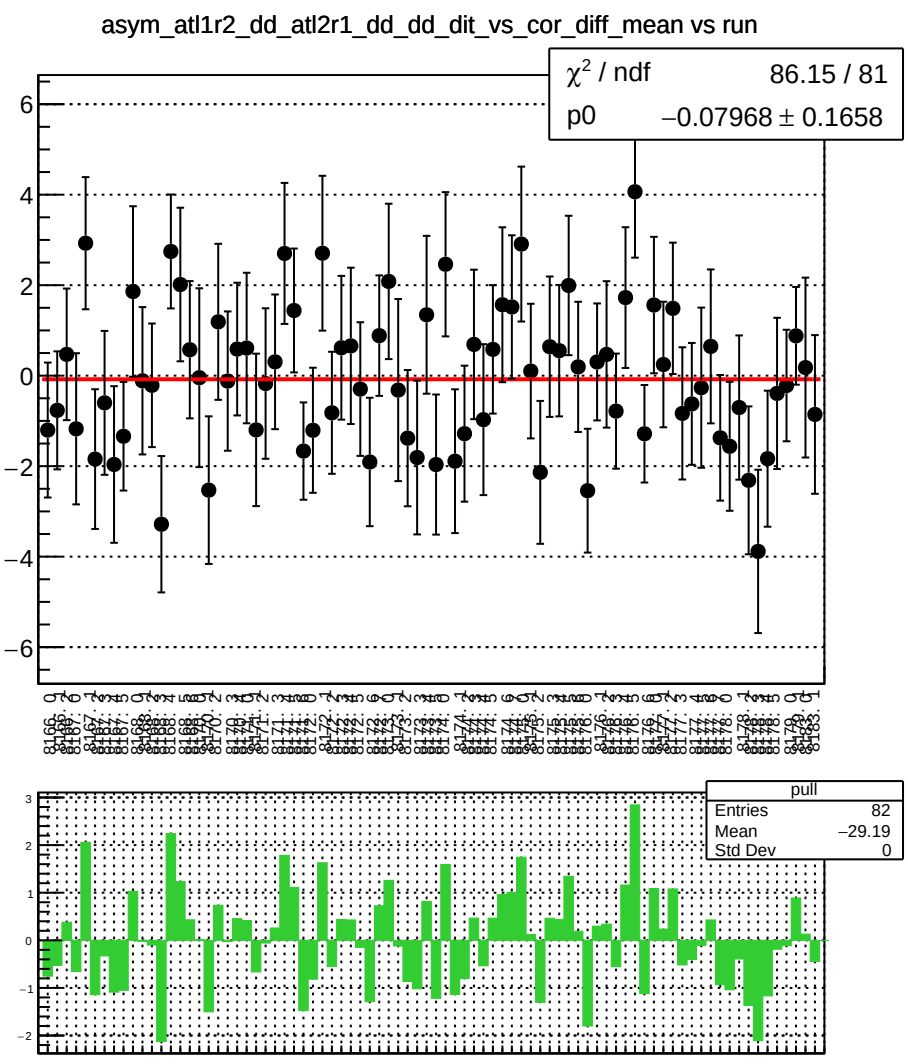

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 93.83 / 81
p0 −910.4 ± 5600
pull
Entries 82
Mean 428.6
Std Dev 0

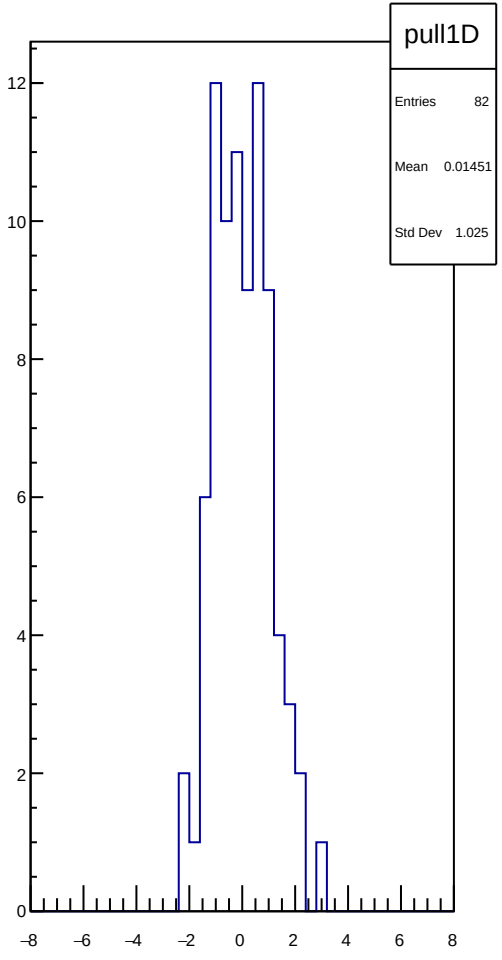

pull1D
Entries 82
Mean −0.004836
Std Dev 1.07

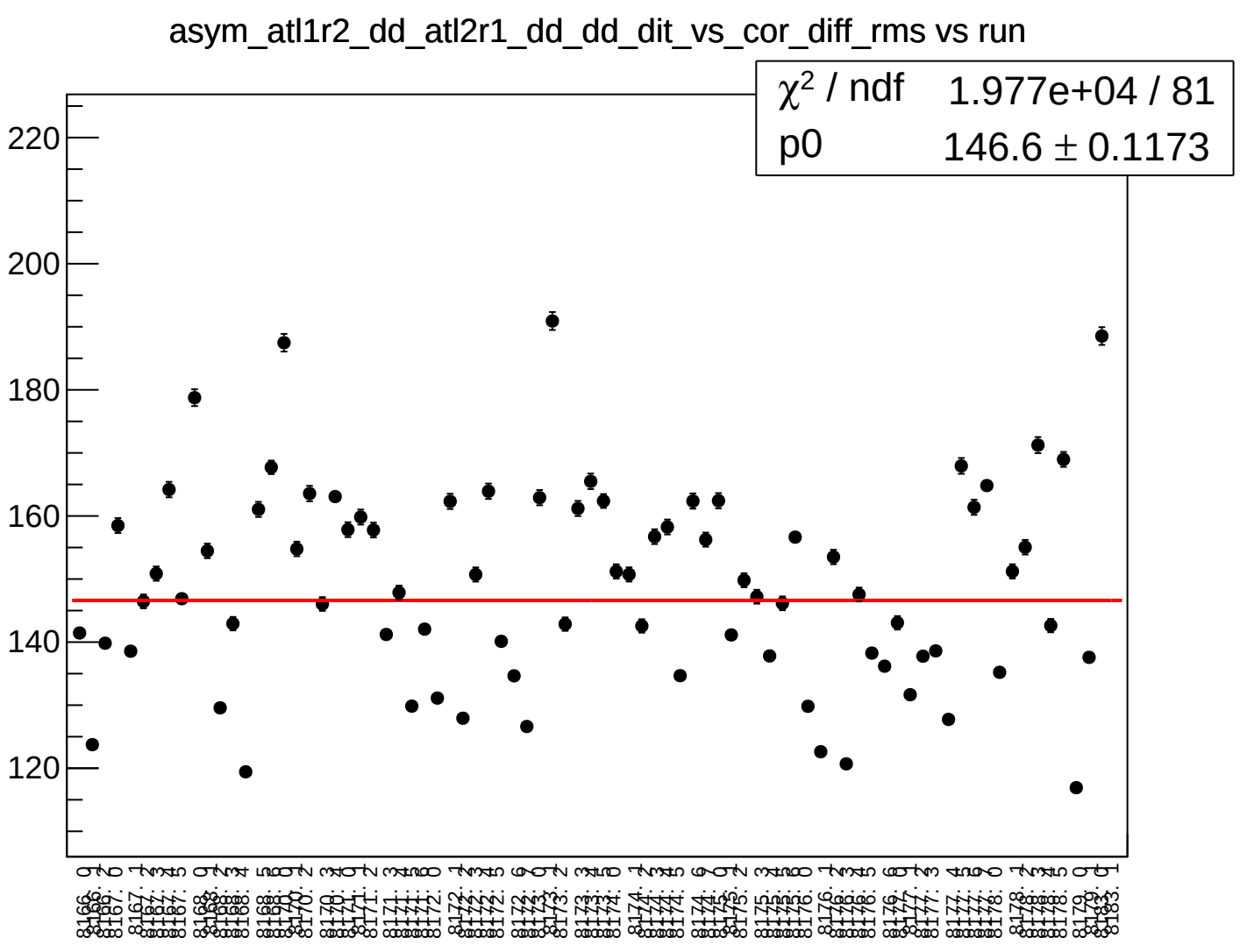

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1001 / 81
p0 4981 ± 3.96
5800
5600
5400
5200
5000
4800
4600

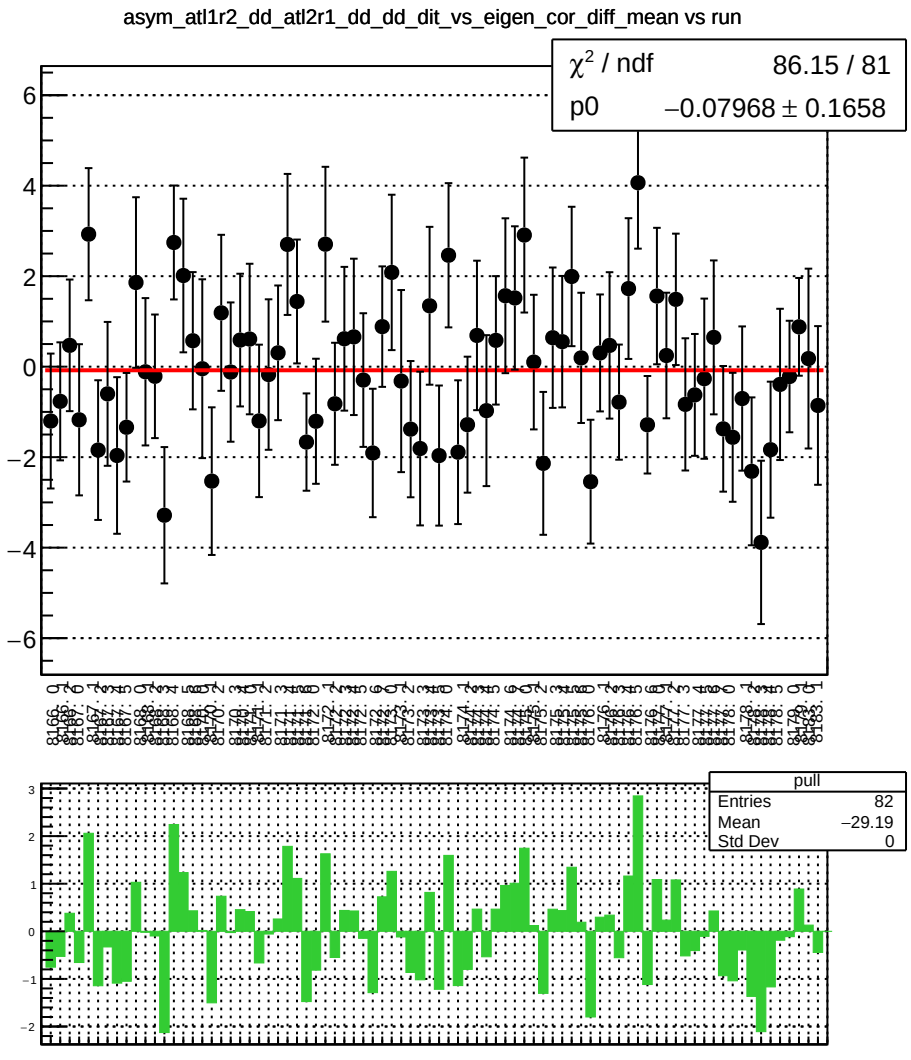

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 85.52 / 81
p0 2.302e−13 ± 3.598e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean −70.53
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.02603
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

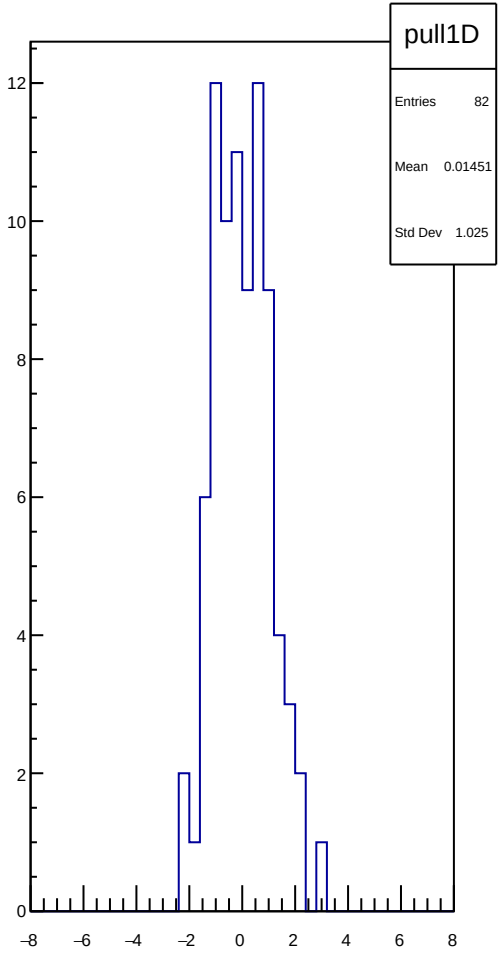

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.973e+05 / 81
p0 2.107e−10 ± 2.544e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

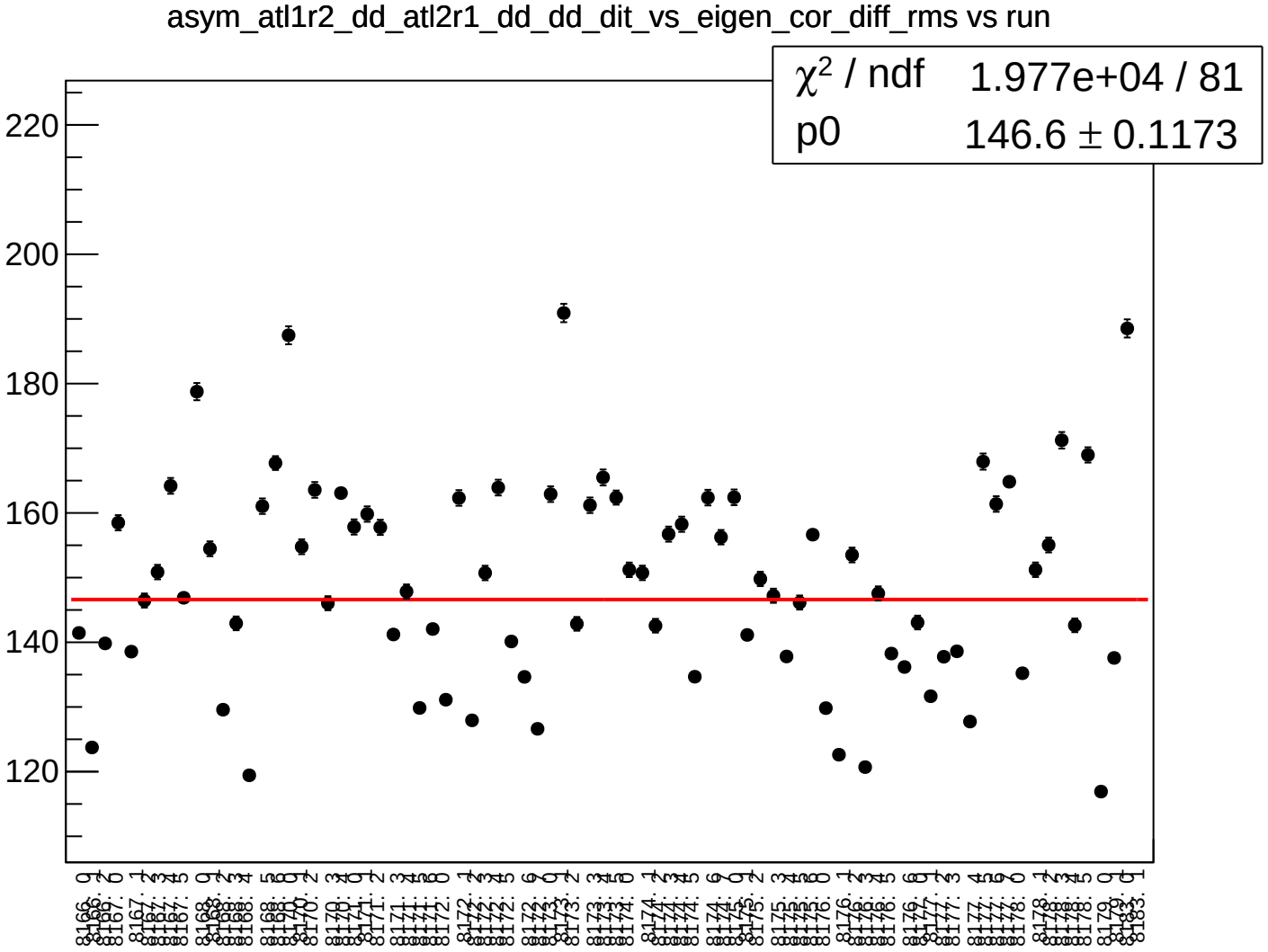

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.19
Std Dev 0

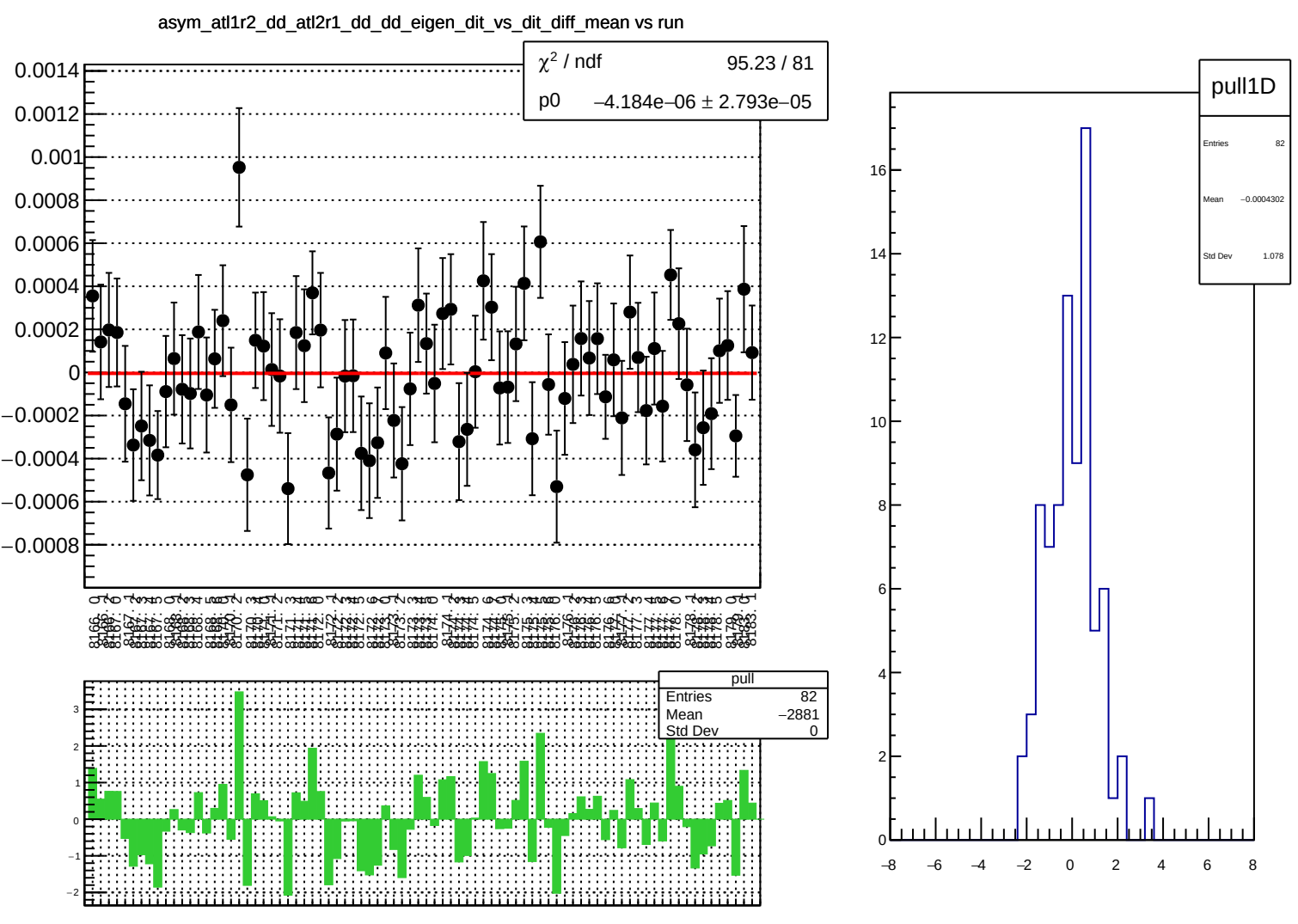

pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

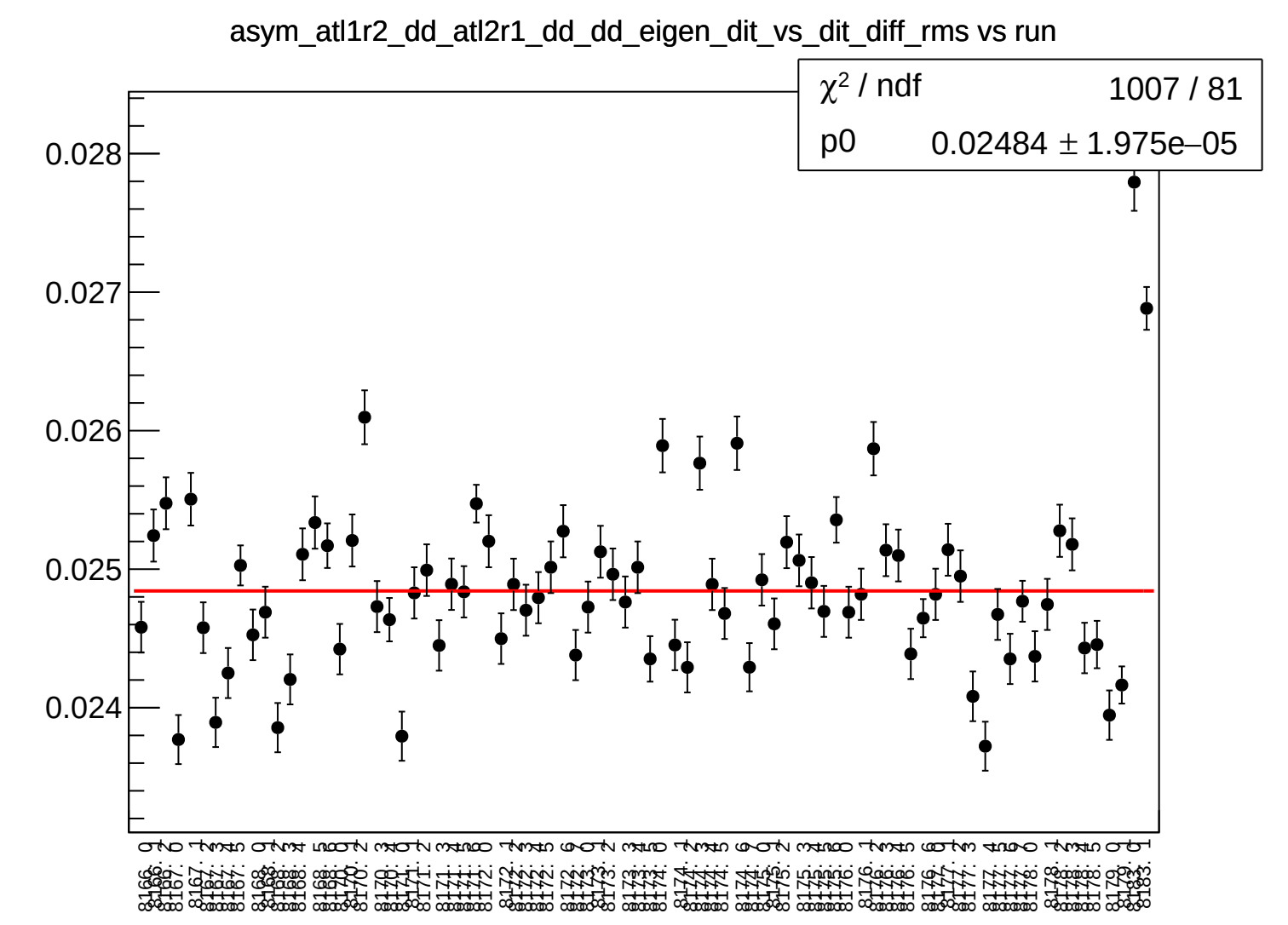

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

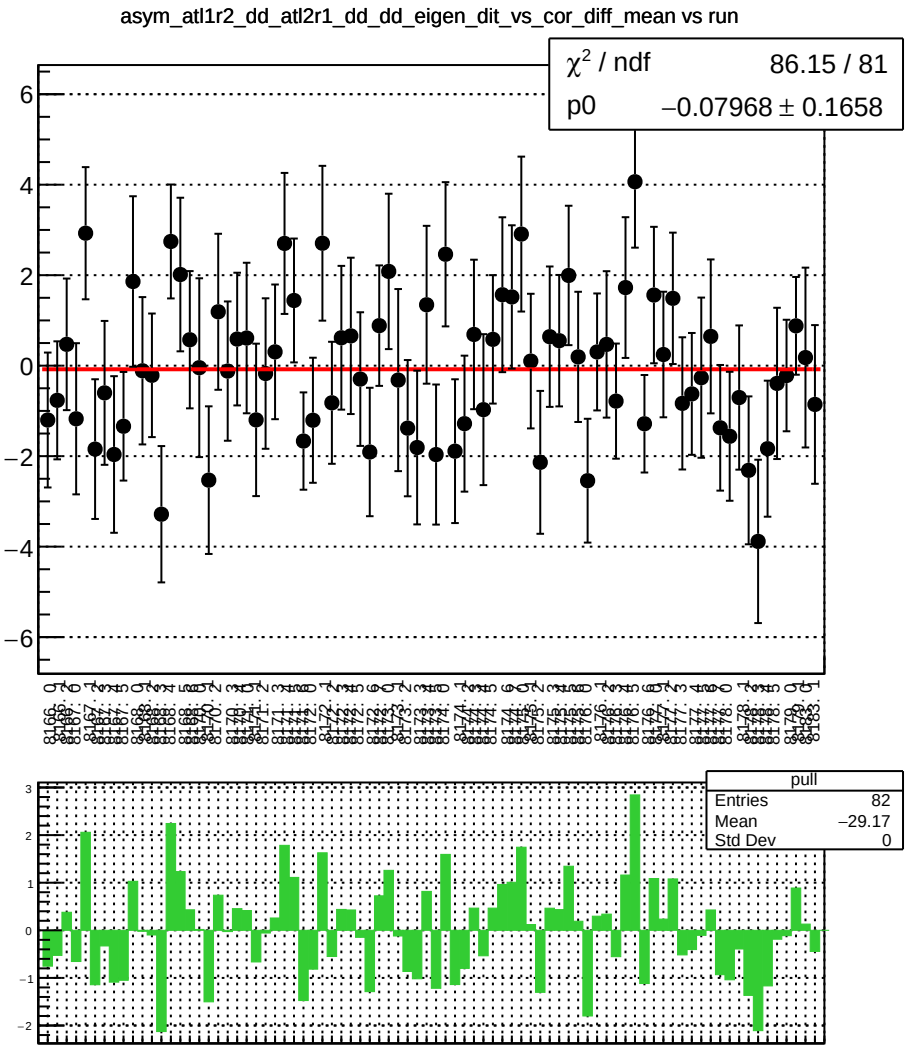

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.19
Std Dev 0

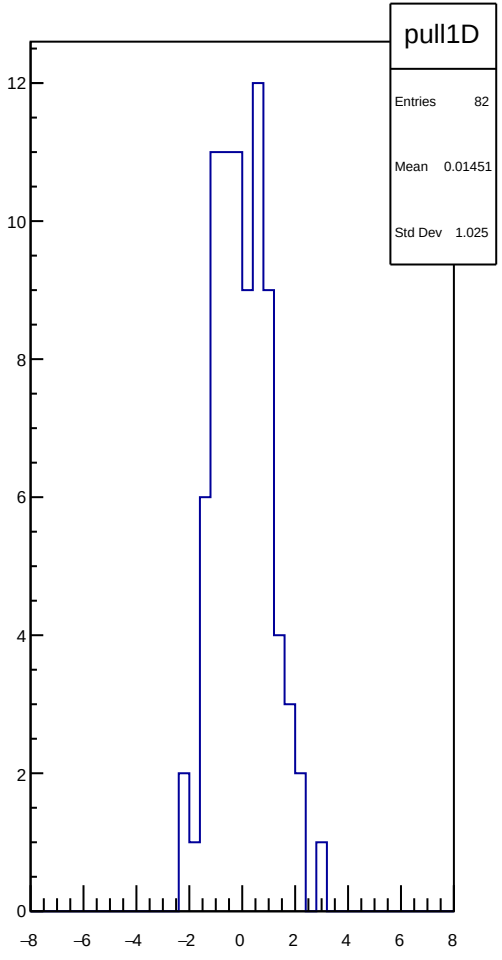

pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

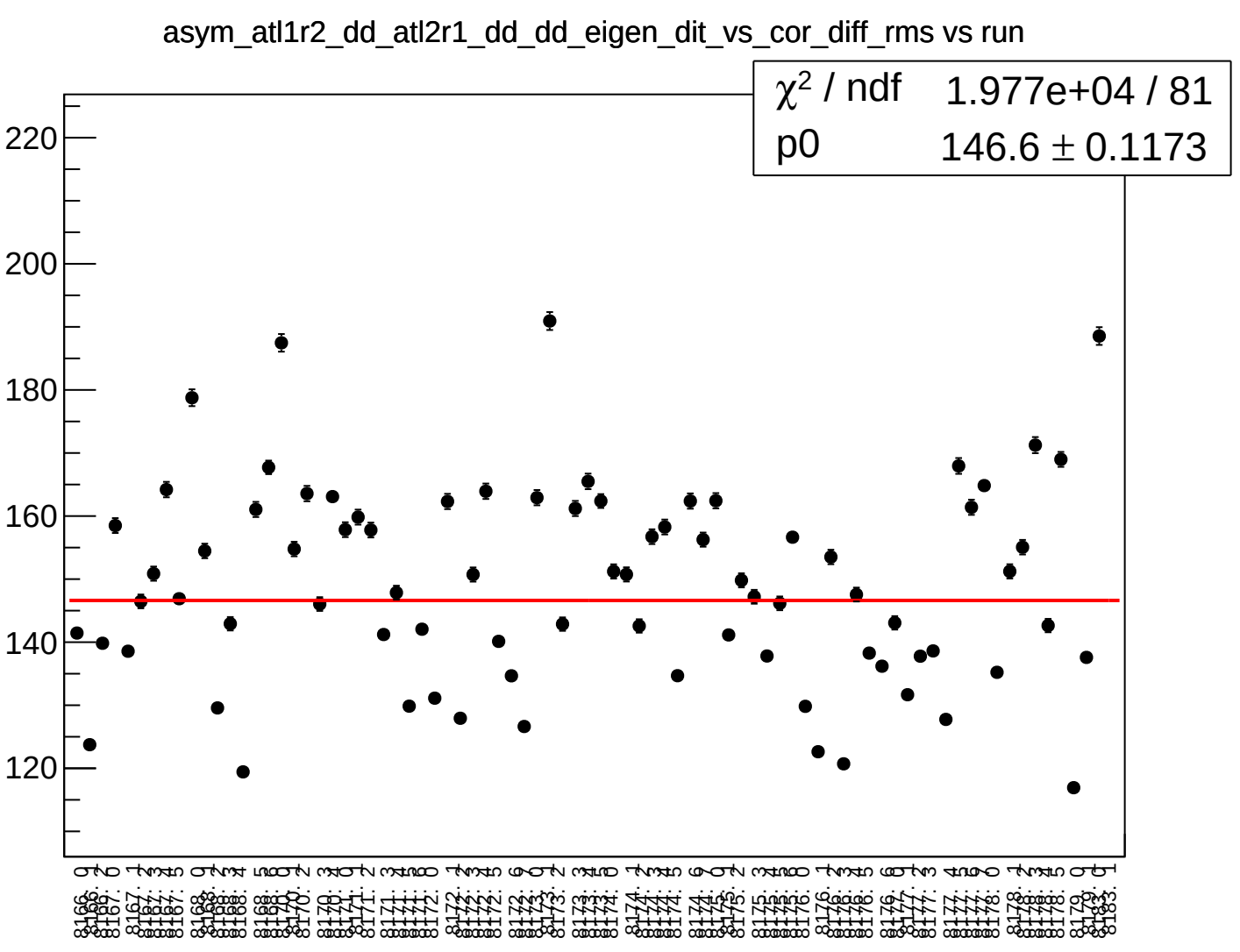

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

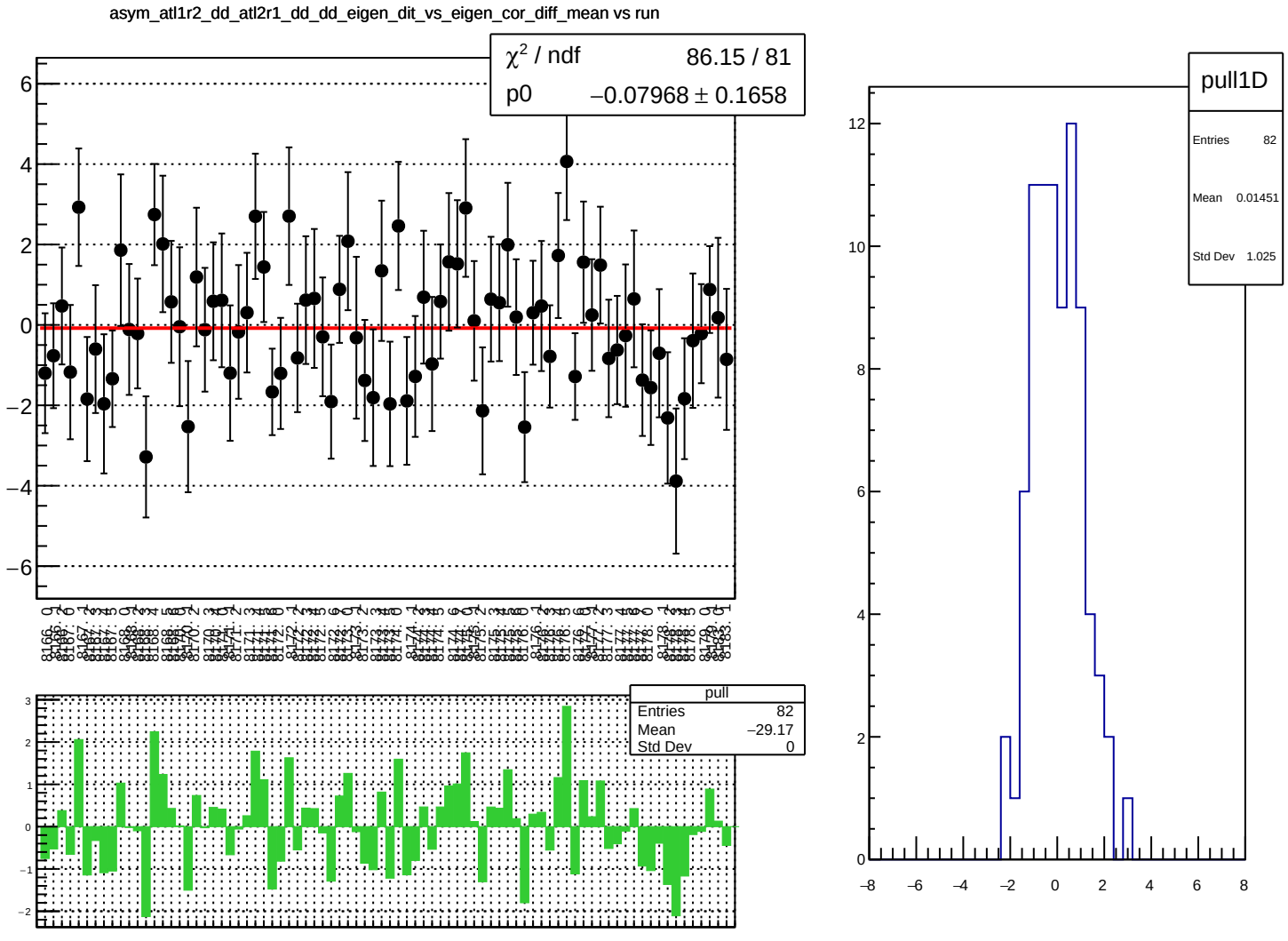

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.23 / 81
p0 −4.184e−06 ± 2.793e−05
pull
Entries 82
Mean −2881
Std Dev 0
pull1D
Entries 82
Mean −0.0004302
Std Dev 1.078

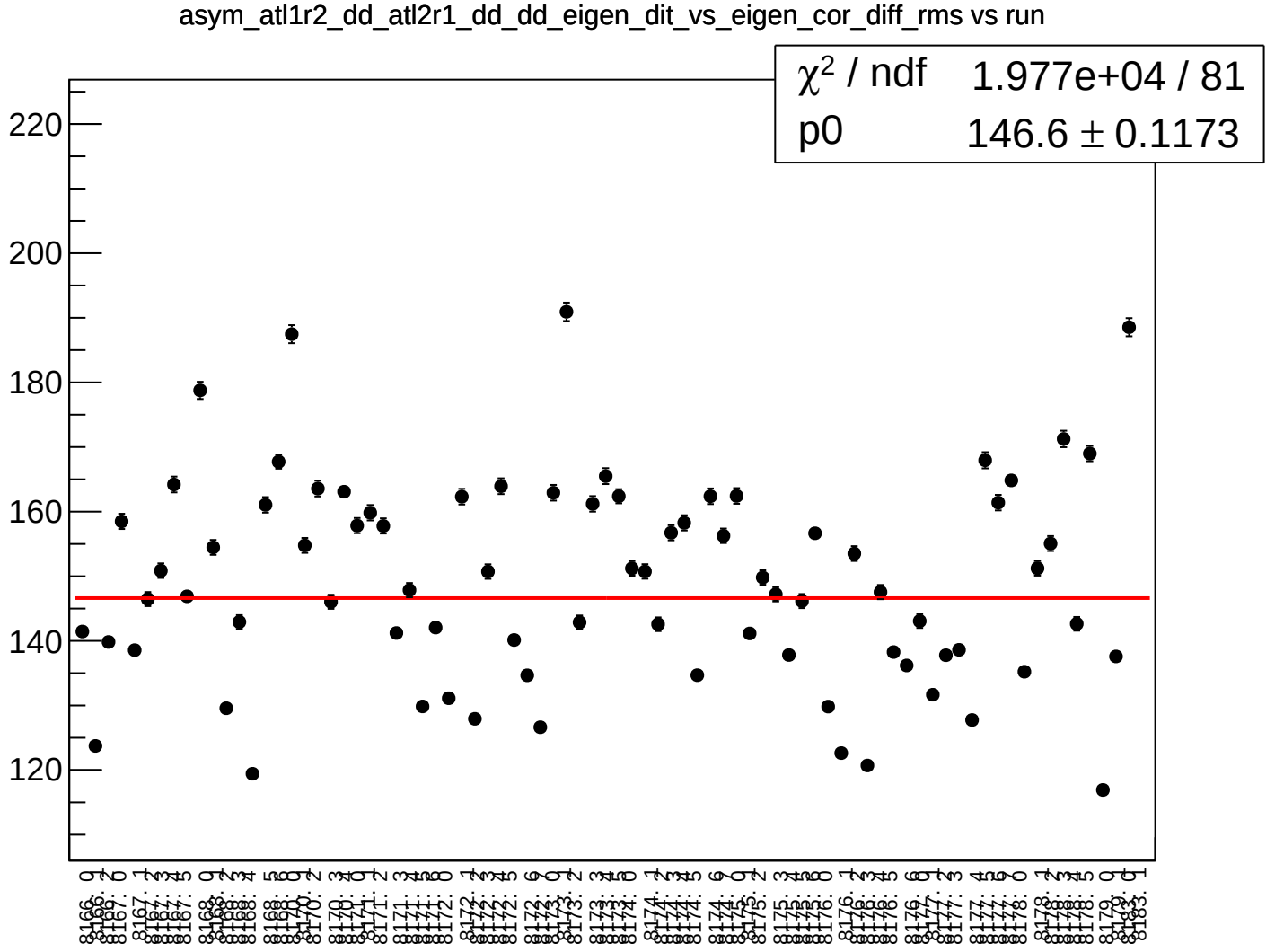

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1007 / 81
p0 0.02484 ± 1.975e−05
0.028
0.027
0.026
0.025
0.024

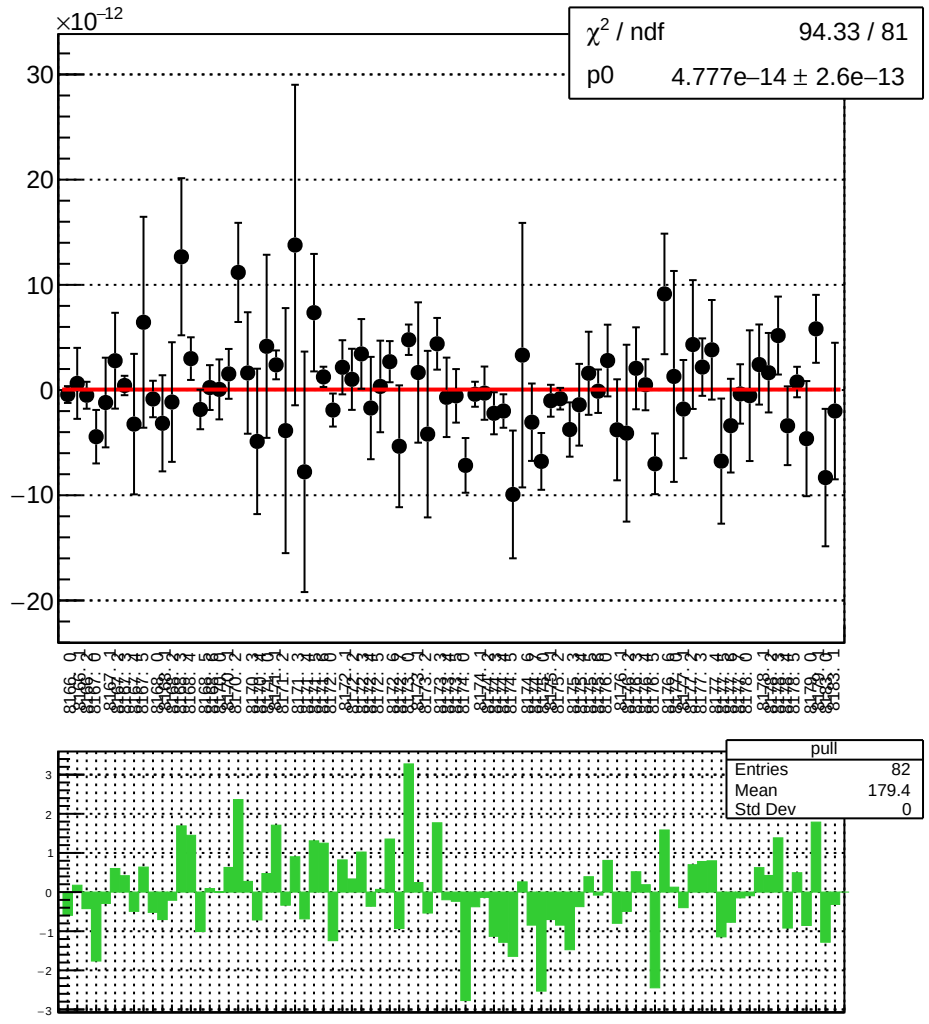

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.17
Std Dev 0

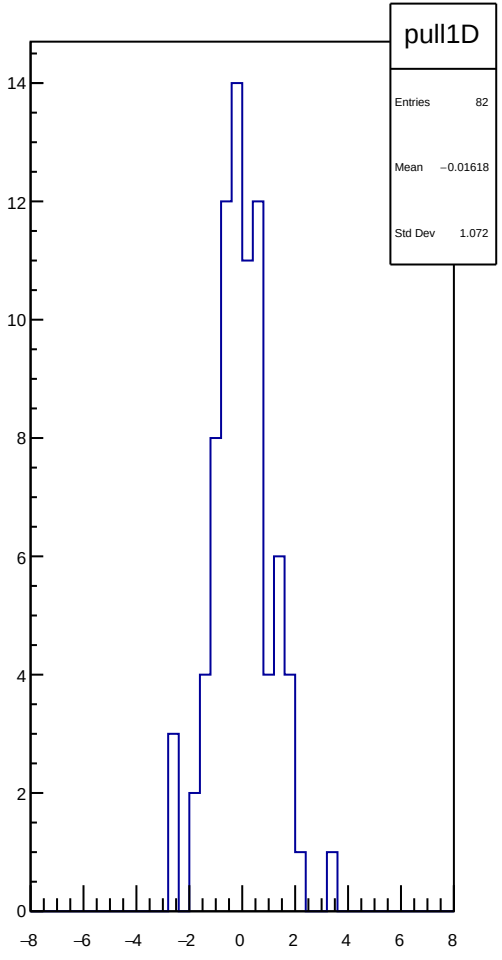

pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

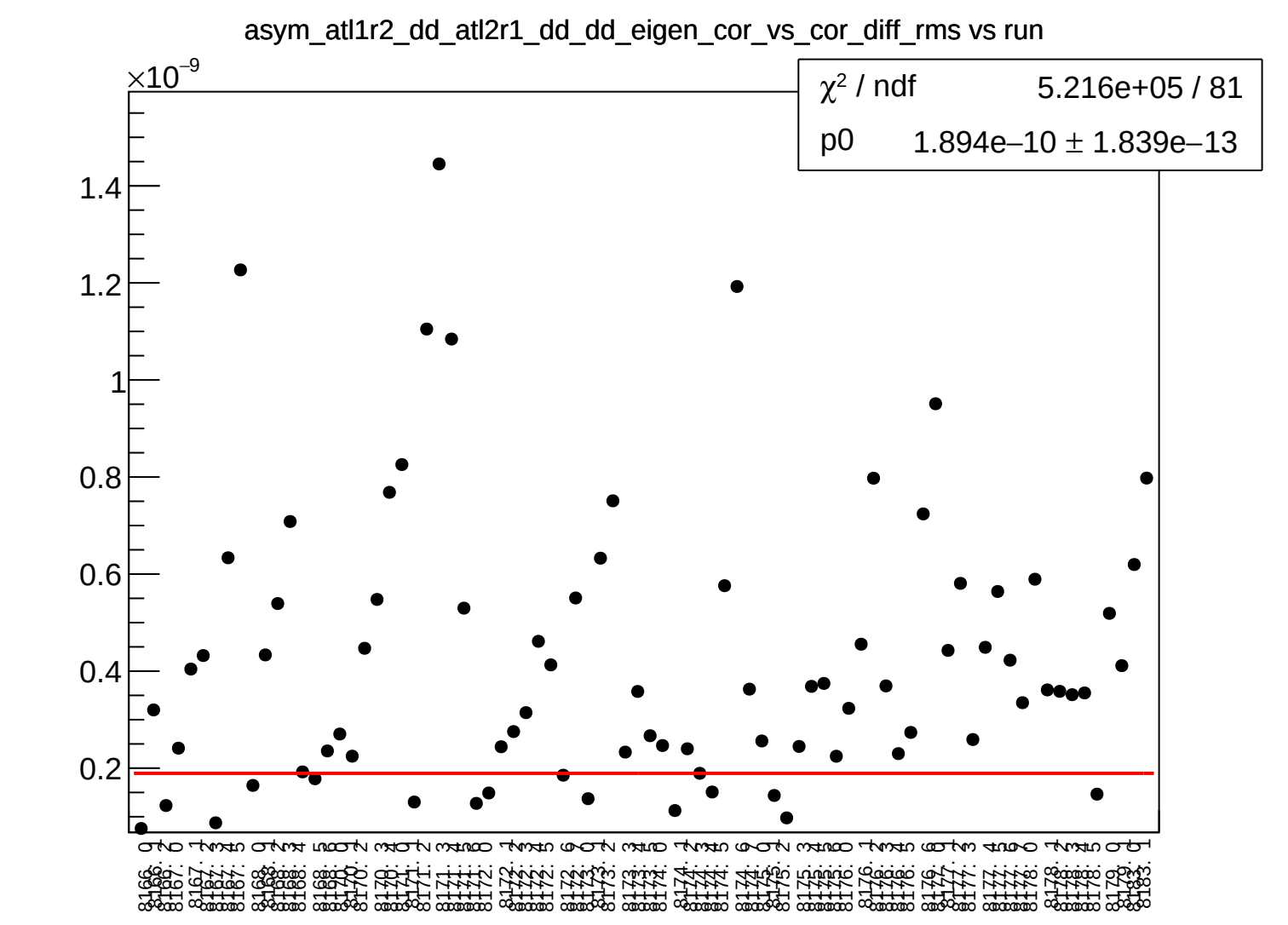

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

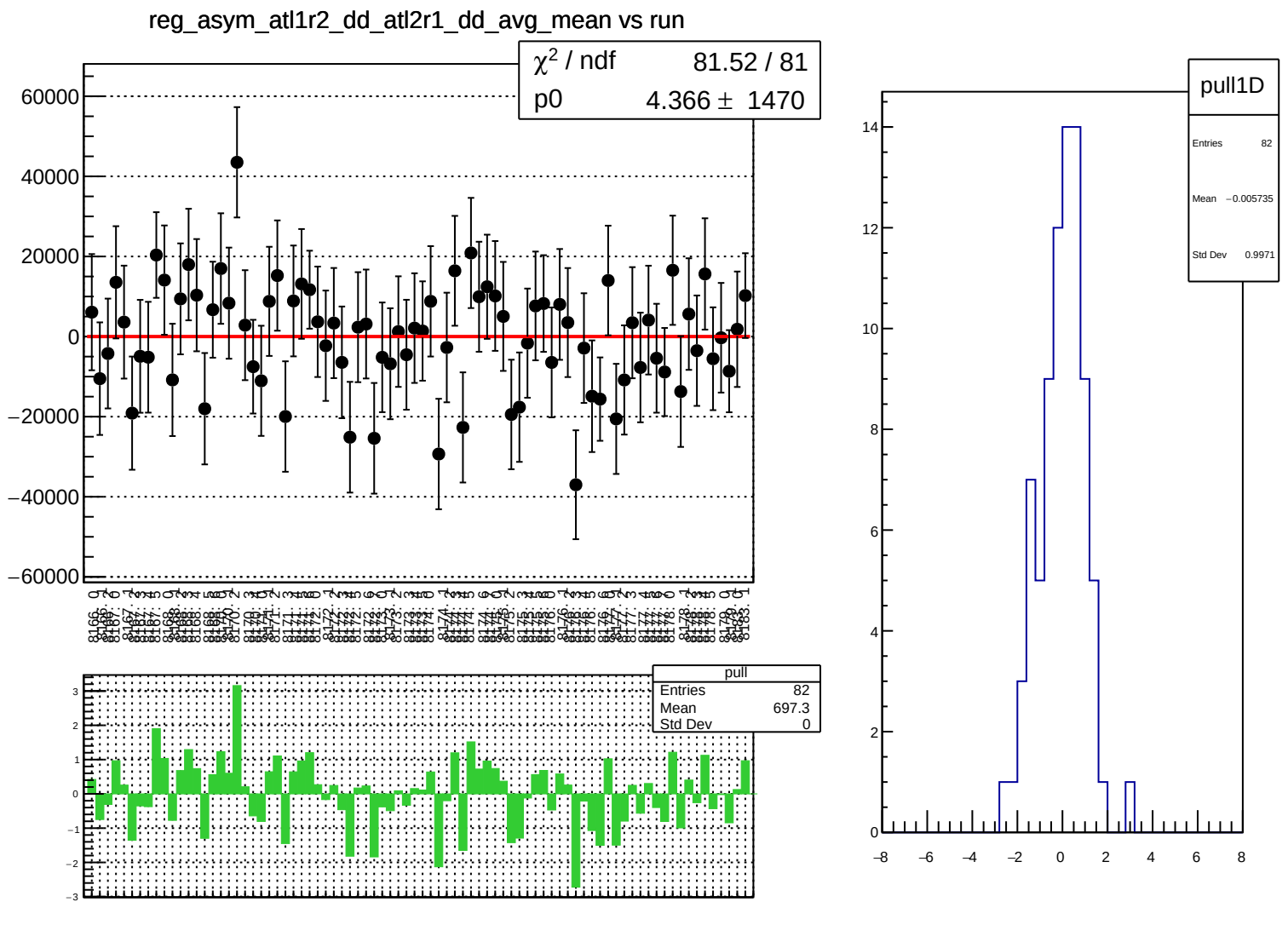

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.15 / 81
p0 −0.07968 ± 0.1658
pull
Entries 82
Mean −29.17
Std Dev 0
pull1D
Entries 82
Mean 0.01451
Std Dev 1.025

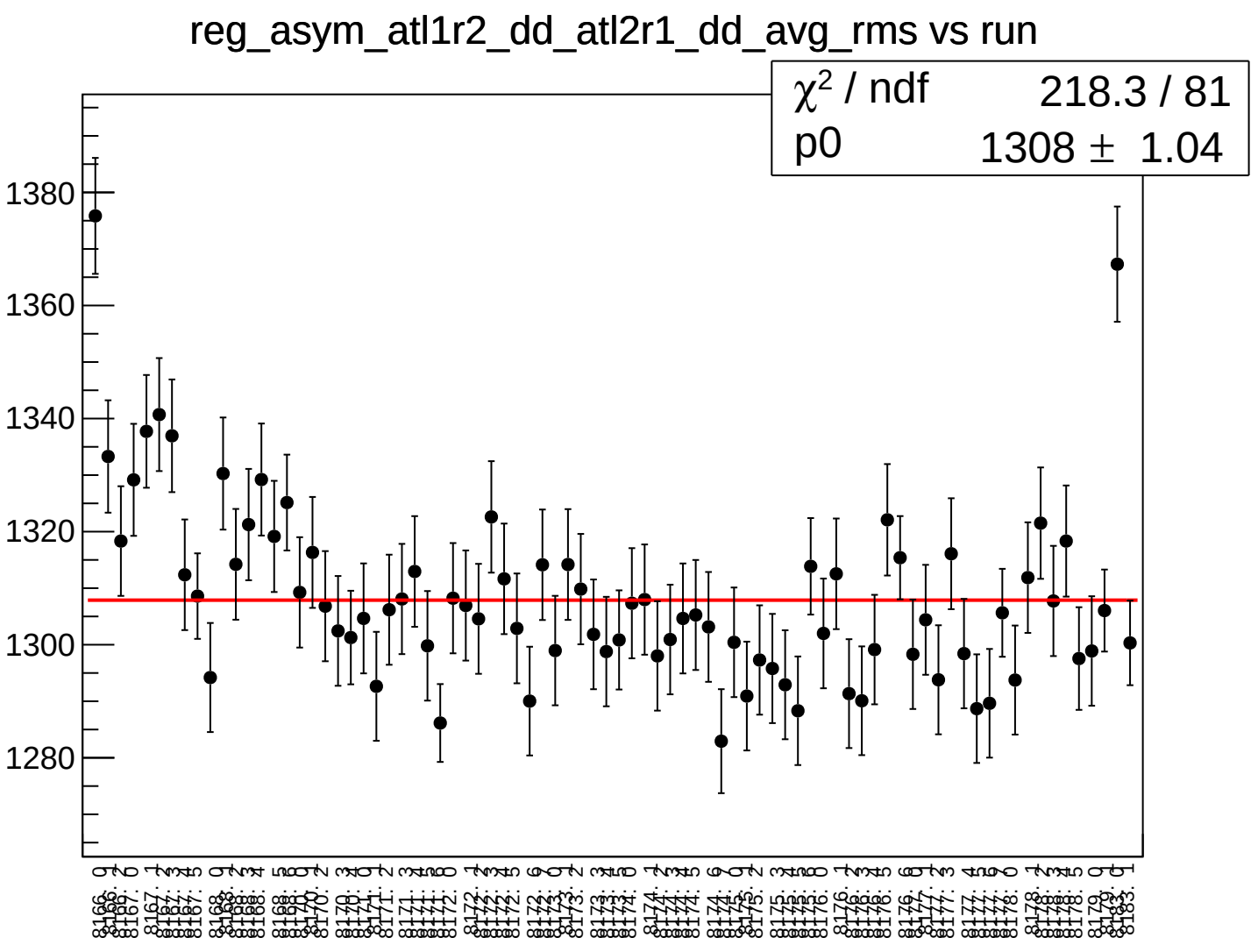

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.977e+04 / 81
p0 146.6 ± 0.1173
220
200
180
160
140
120

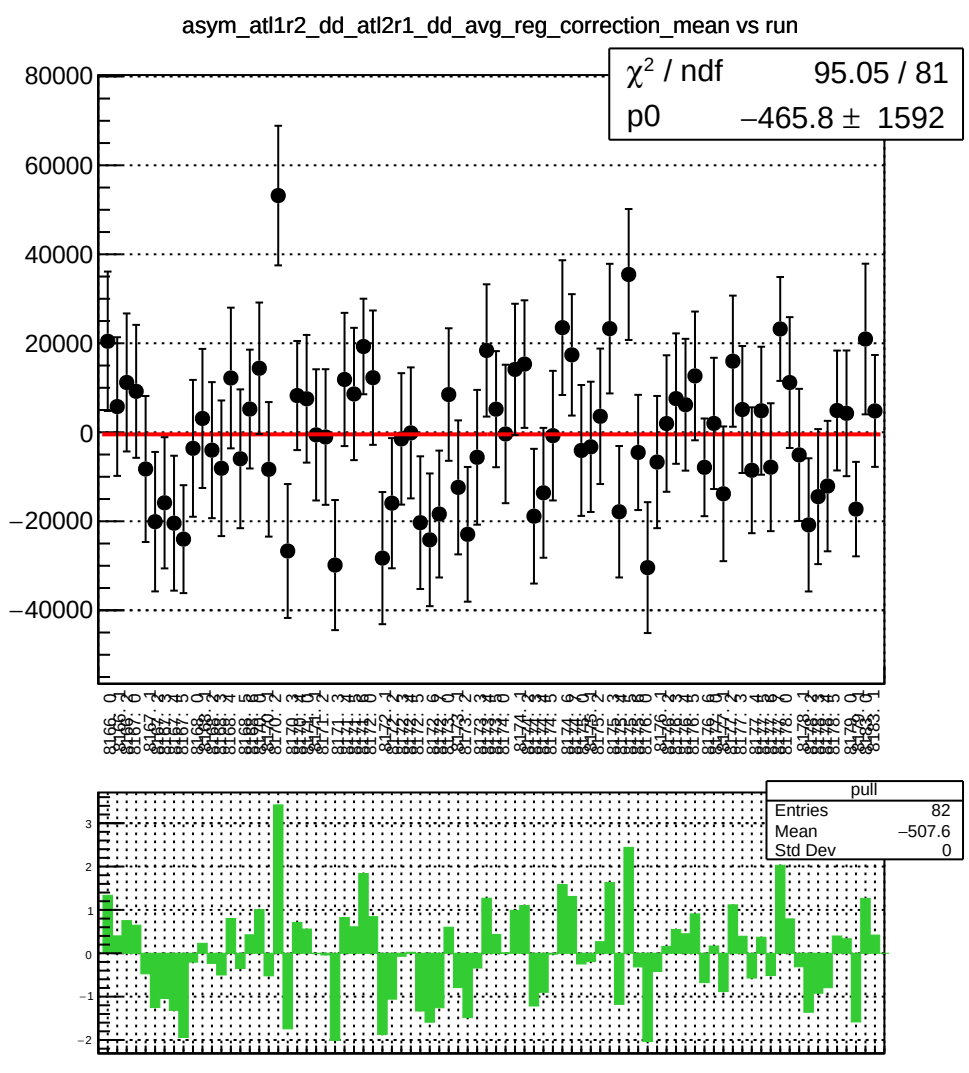

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.33 / 81
p0 4.777e−14 ± 2.6e−13
pull
Entries 82
Mean 179.4
Std Dev 0

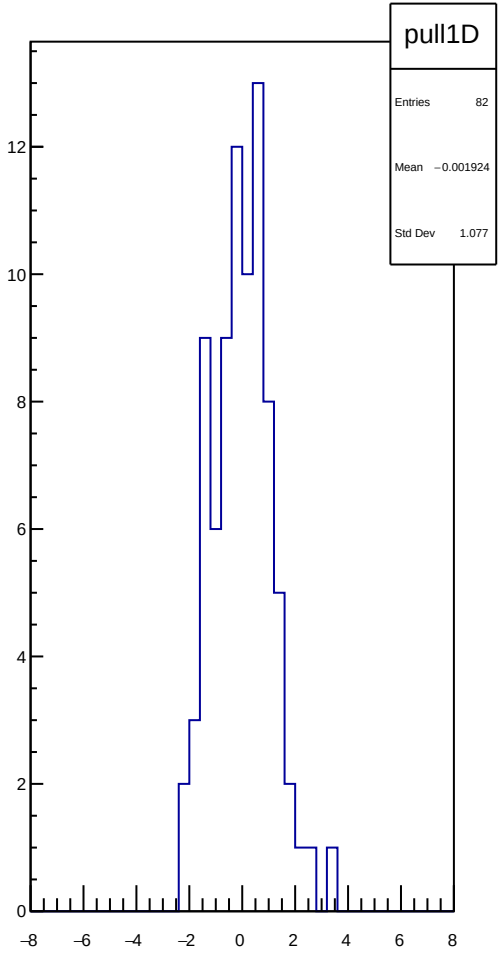

pull1D
Entries 82
Mean −0.01618
Std Dev 1.072

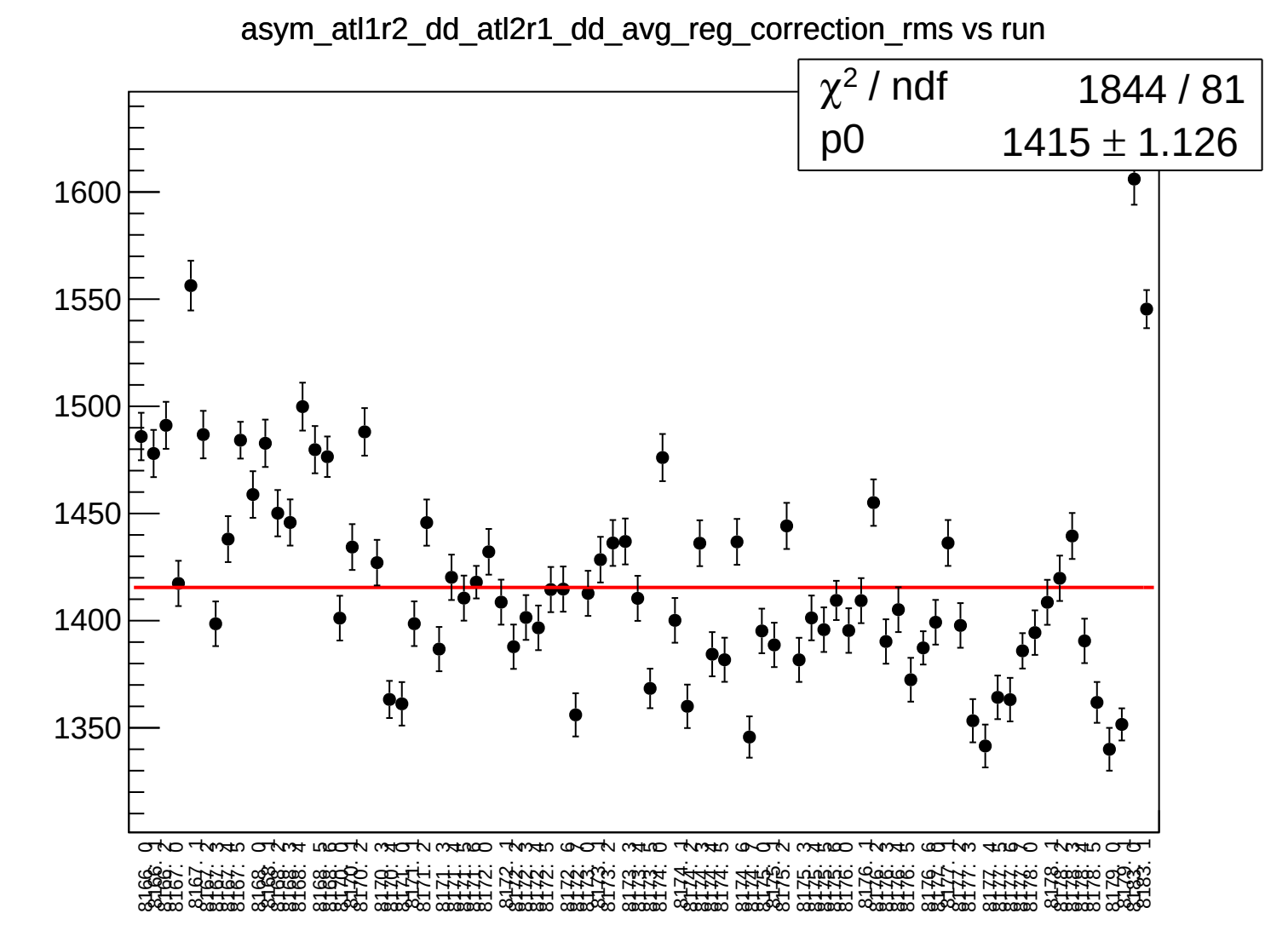

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.216e+05 / 81
p0 1.894e−10 ± 1.839e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

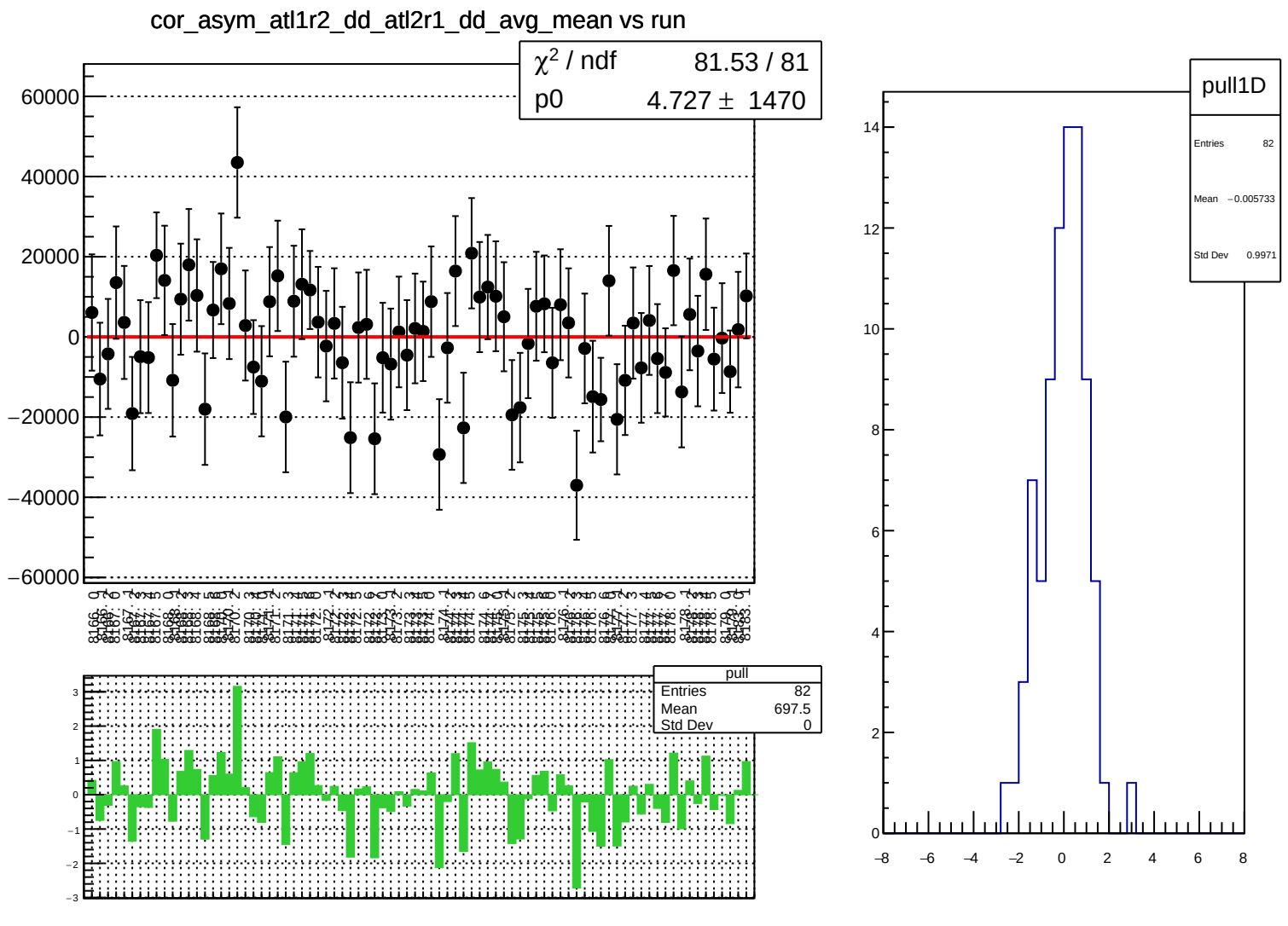

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 81.52 / 81
p0 4.366 ± 1470
pull
Entries 82
Mean 697.3
Std Dev 0
pull1D
Entries 82
Mean −0.005735
Std Dev 0.9971

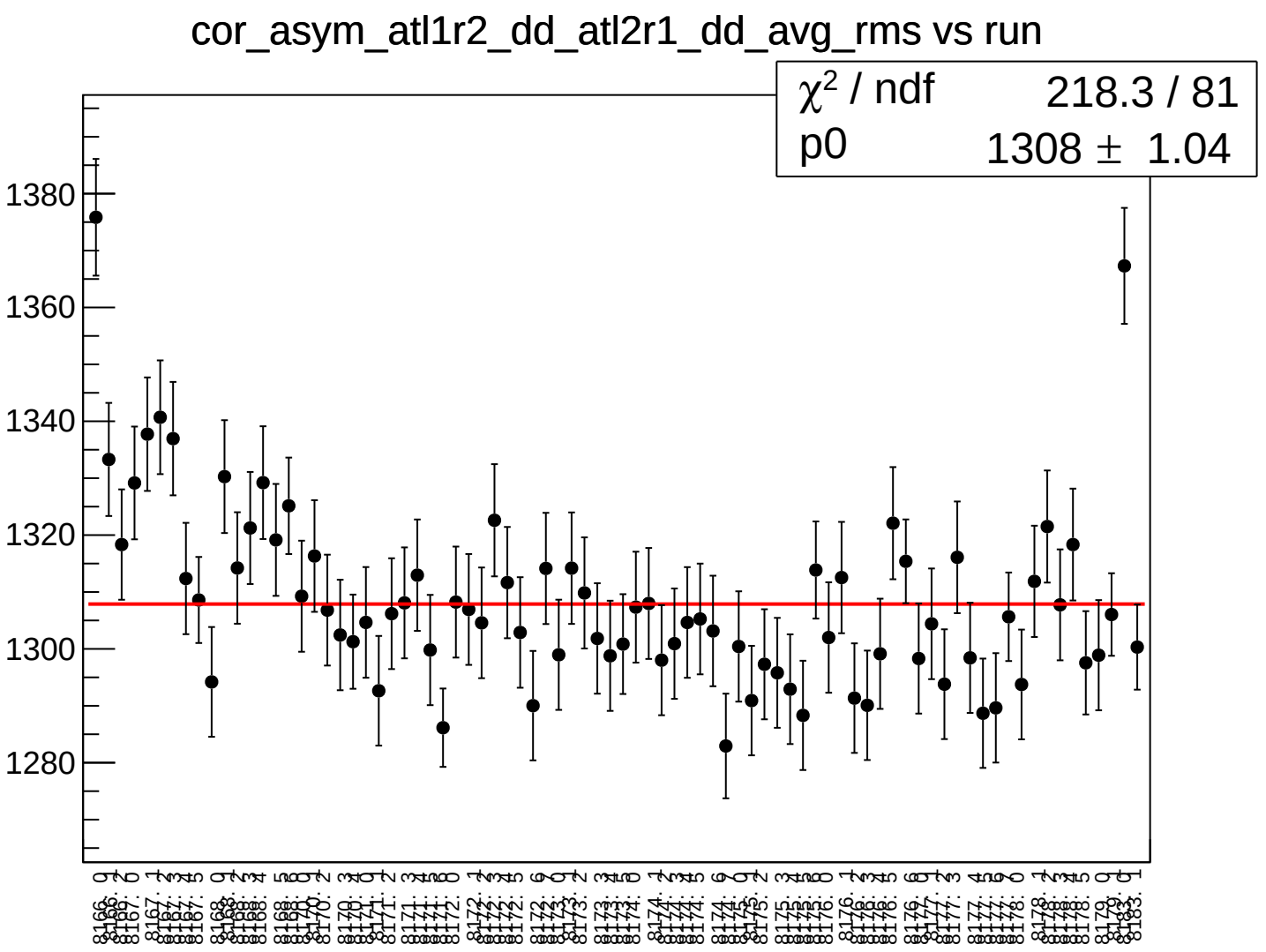

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 218.3 / 81
p0 1308 ± 1.04
1380
1360
1340
1320
1300
1280

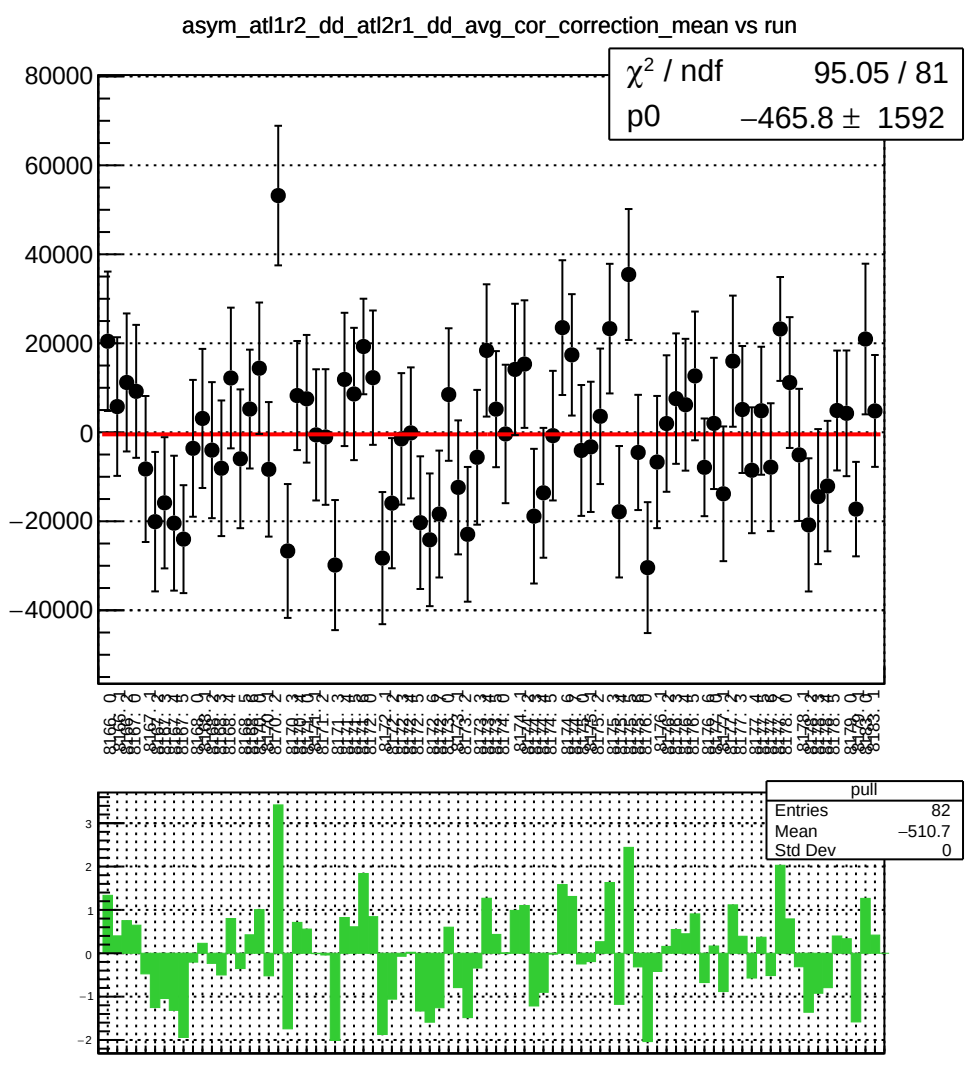

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 95.05 / 81
p0 −465.8 ± 1592
pull
Entries 82
Mean −507.6
Std Dev 0

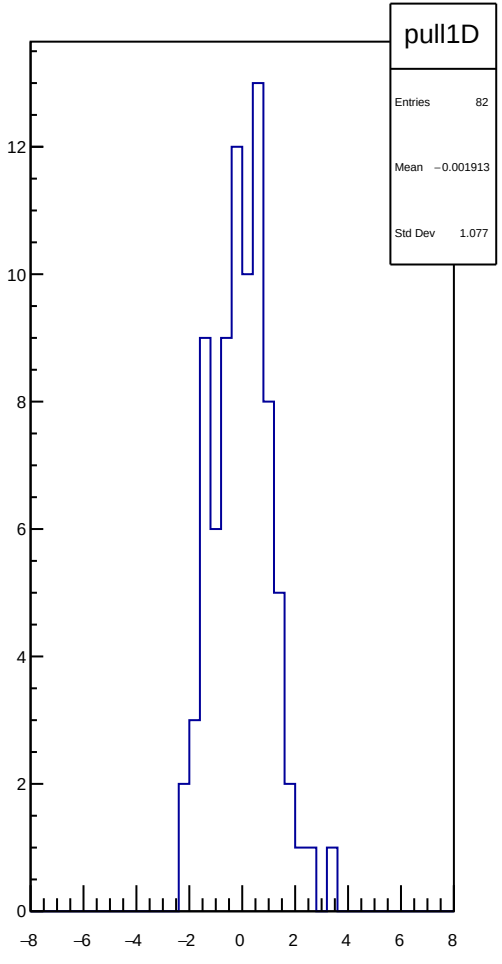

pull1D
Entries 82
Mean −0.001924
Std Dev 1.077

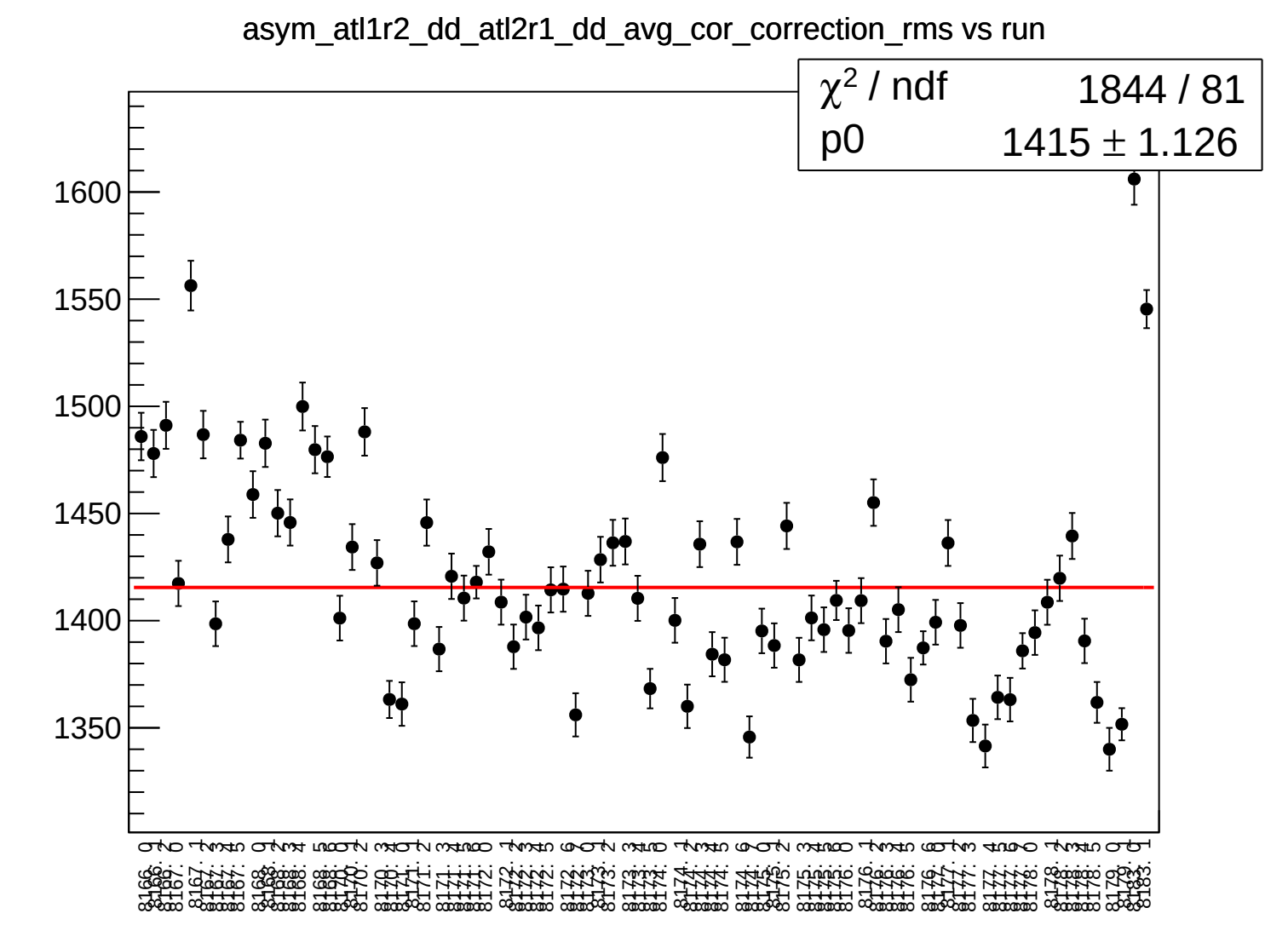

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 1844 / 81
p0 1415 ± 1.126
1600
1550
1500
1450
1400
1350

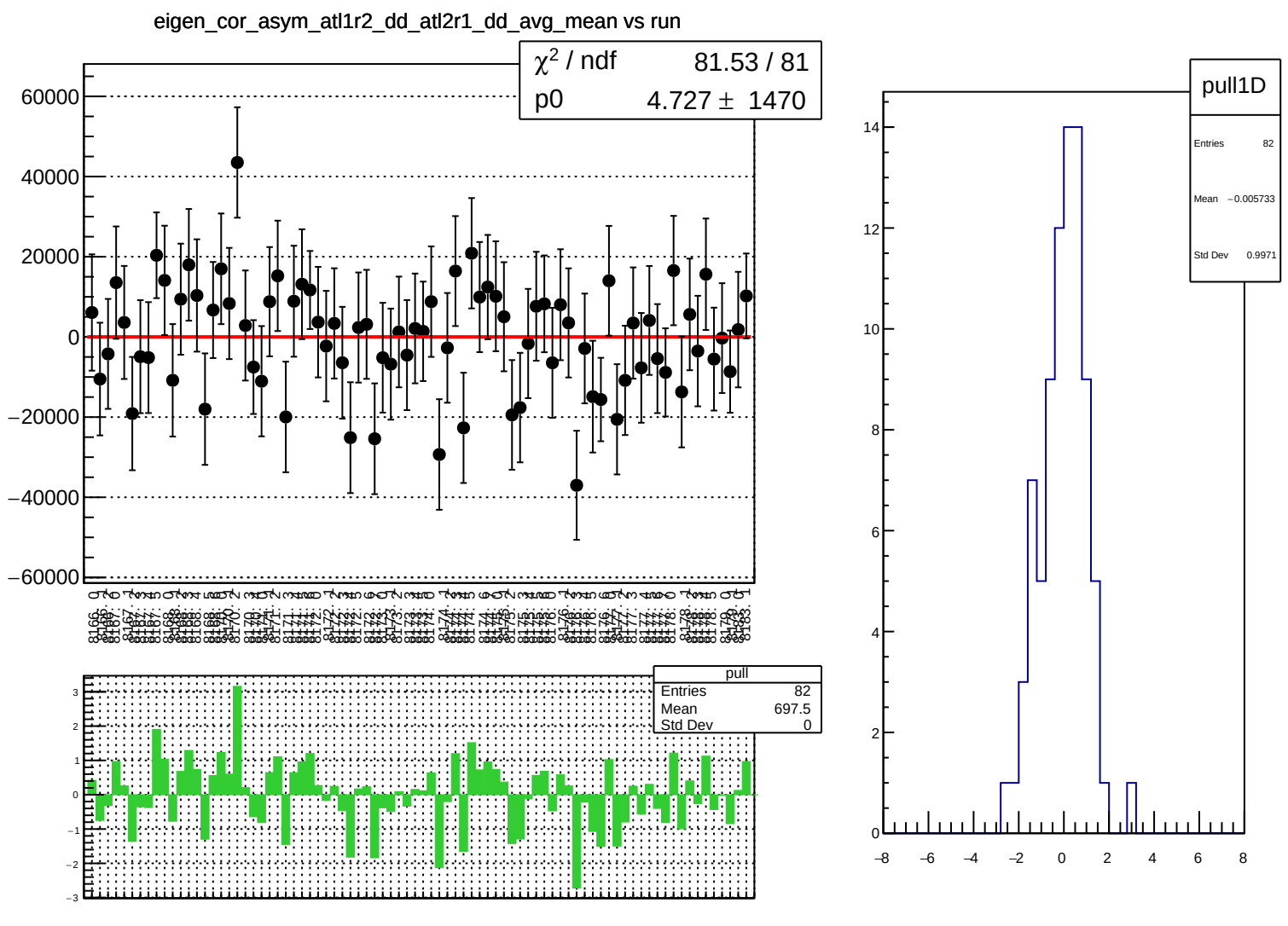

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 81.53 / 81
p0 4.727 ± 1470
pull
Entries 82
Mean 697.5
Std Dev 0
pull1D
Entries 82
Mean −0.005733
Std Dev 0.9971

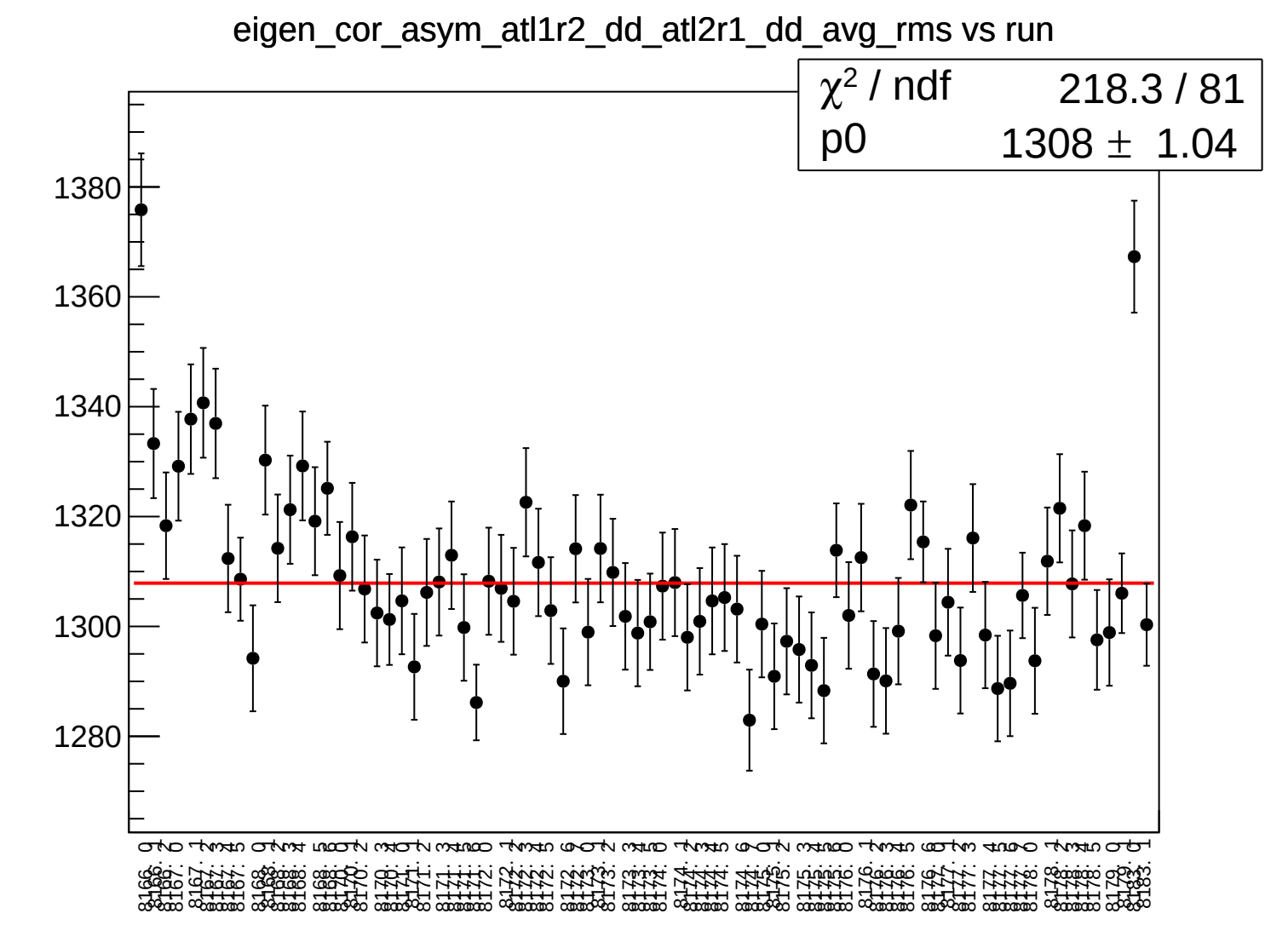

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 218.3 / 81
p0 1308 ± 1.04
1380
1360
1340
1320
1300
1280

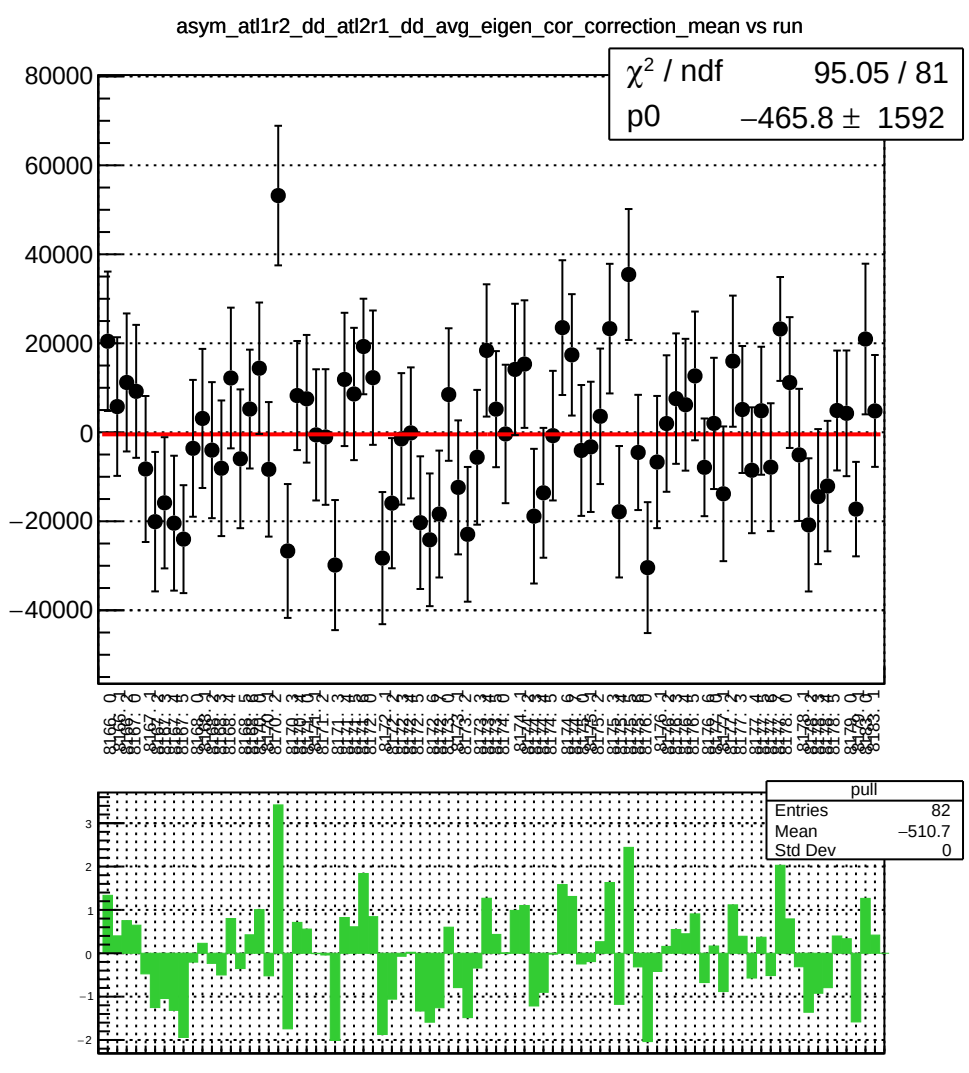

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 95.05 / 81
p0 −465.8 ± 1592
pull
Entries 82
Mean −510.7
Std Dev 0

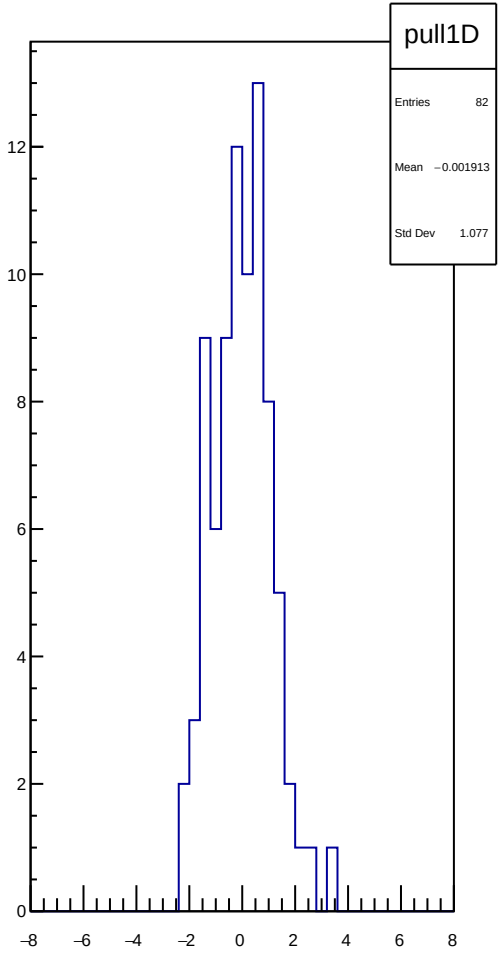

pull1D
Entries 82
Mean −0.001913
Std Dev 1.077

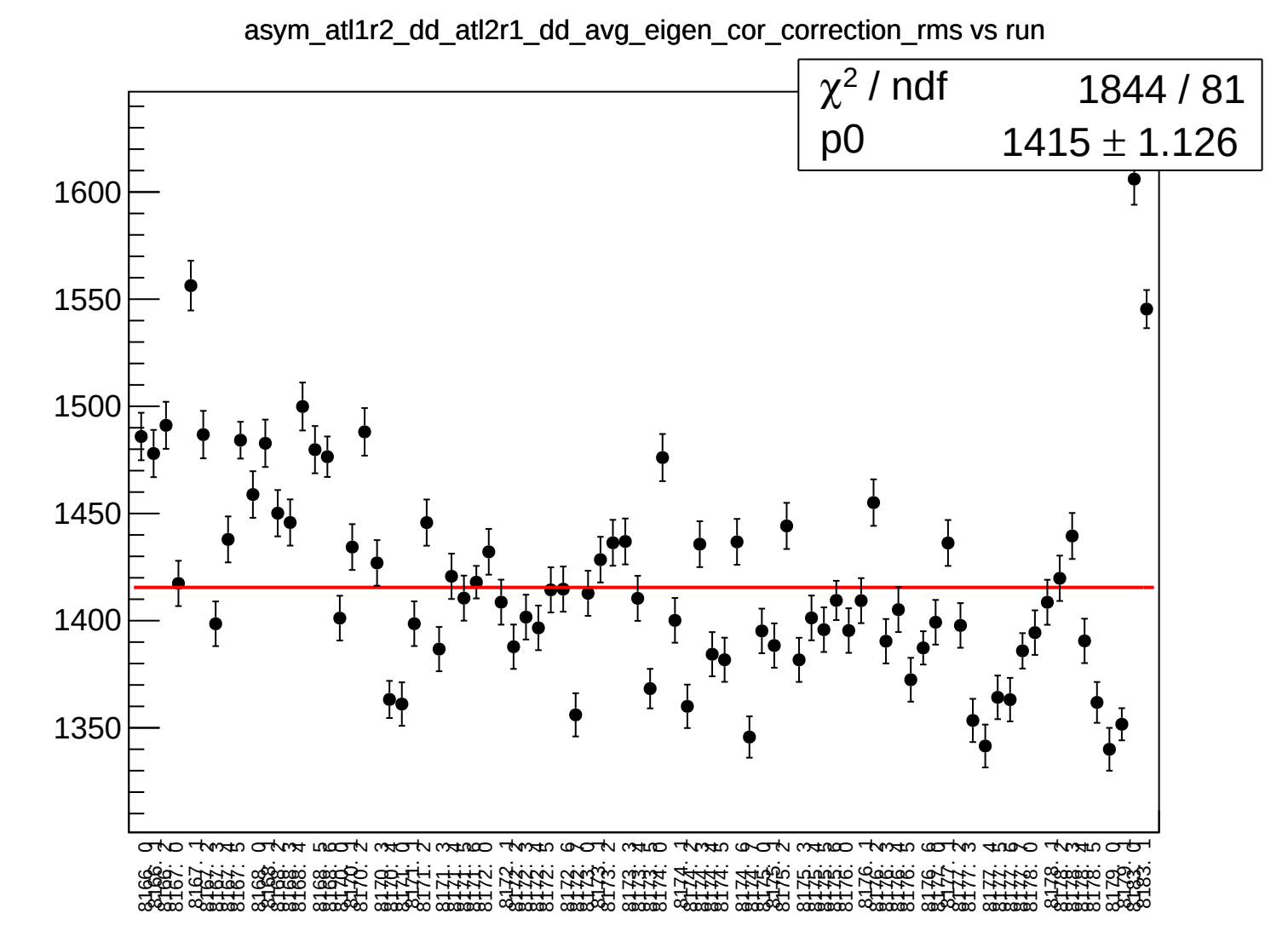

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 1844 / 81
p0 1415 ± 1.126
1600
1550
1500
1450
1400
1350

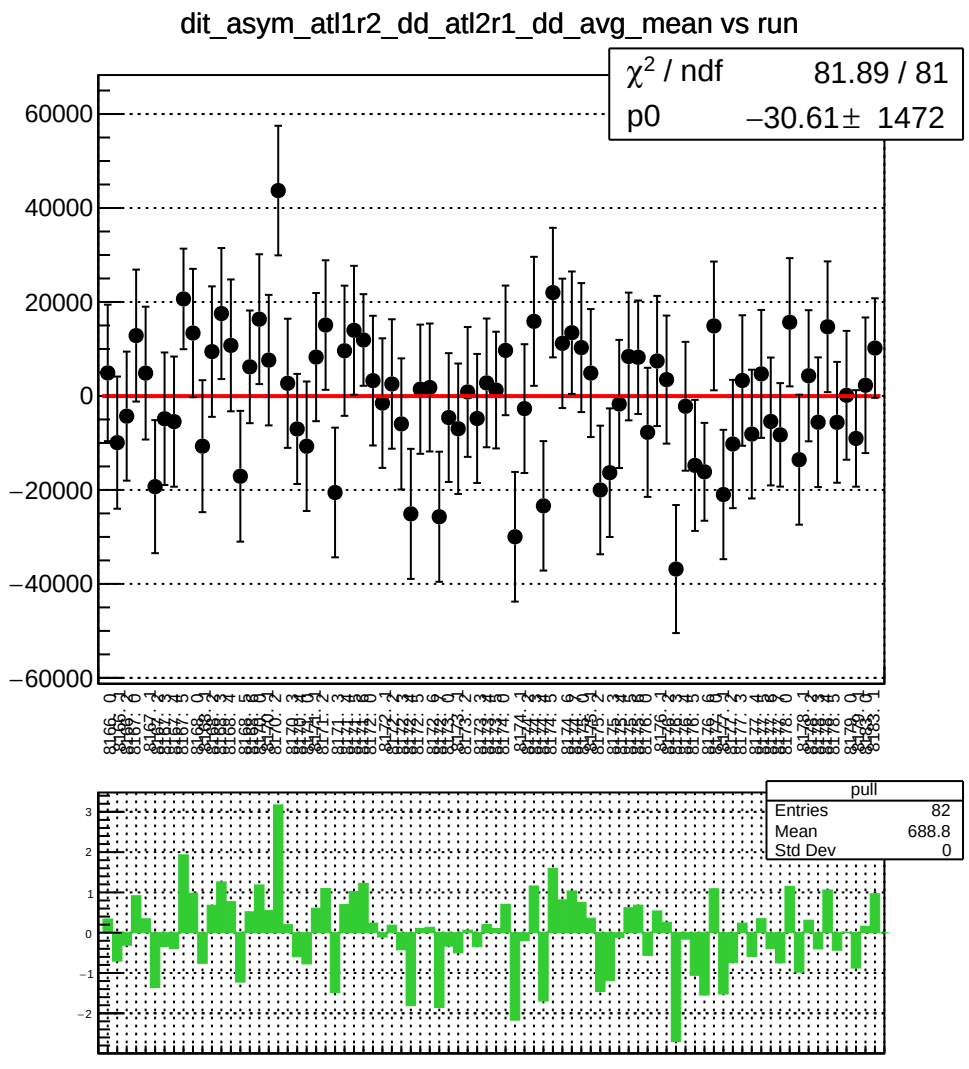

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 81.53 / 81
p0 4.727 ± 1470
pull
Entries 82
Mean 697.5
Std Dev 0
pull1D
Entries 82
Mean −0.005733
Std Dev 0.9971

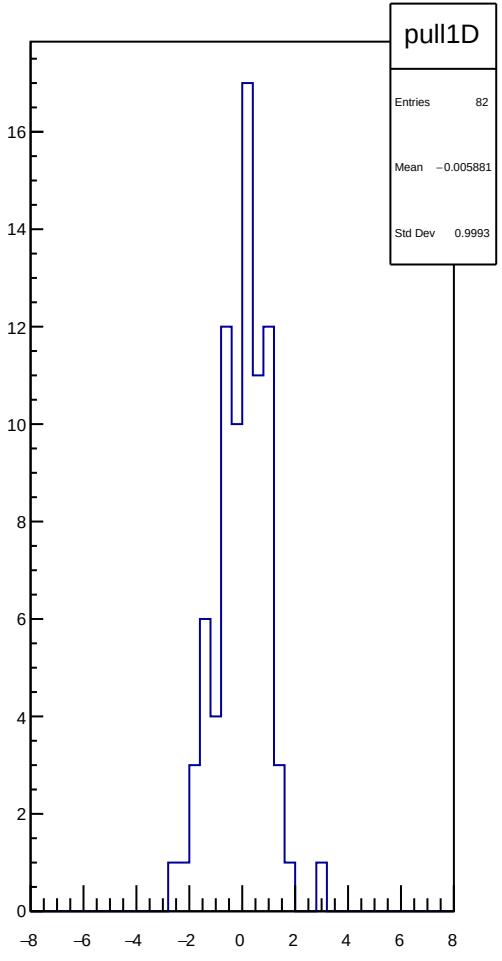

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 218.3 / 81
p0 1308 ± 1.04
1380
1360
1340
1320
1300
1280

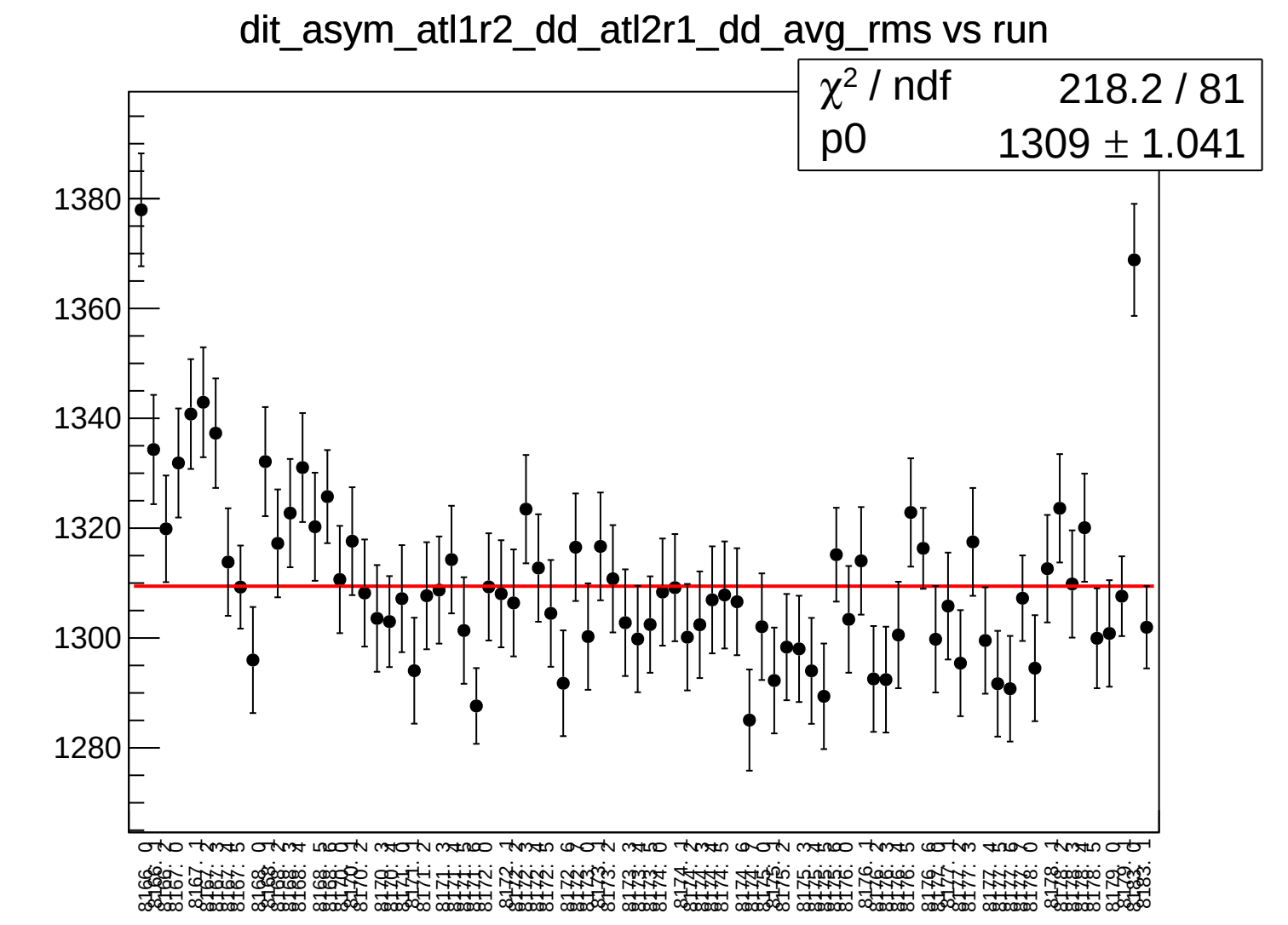

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 95.05 / 81
p0 −465.8 ± 1592
pull
Entries 82
Mean −510.7
Std Dev 0

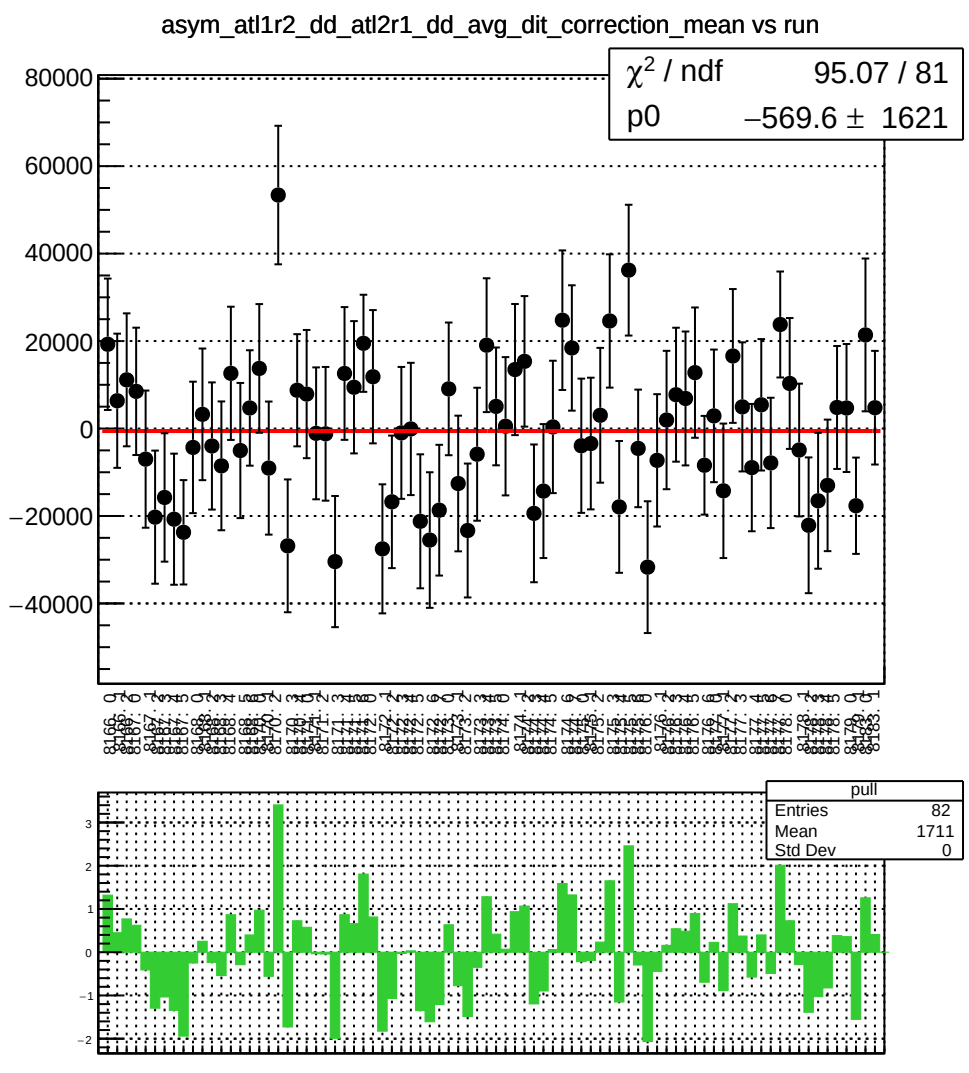

pull1D
Entries 82
Mean −0.001913
Std Dev 1.077

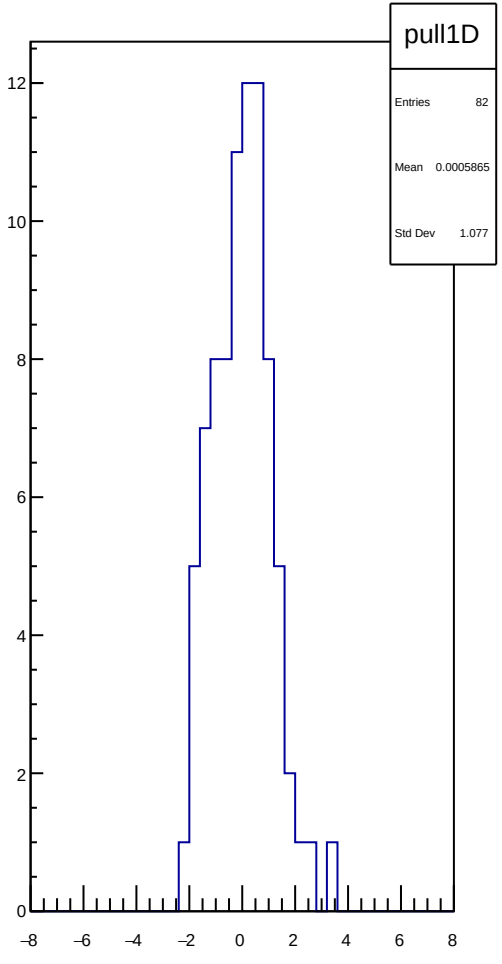

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1844 / 81
p0 1415 ± 1.126
1600
1550
1500
1450
1400
1350

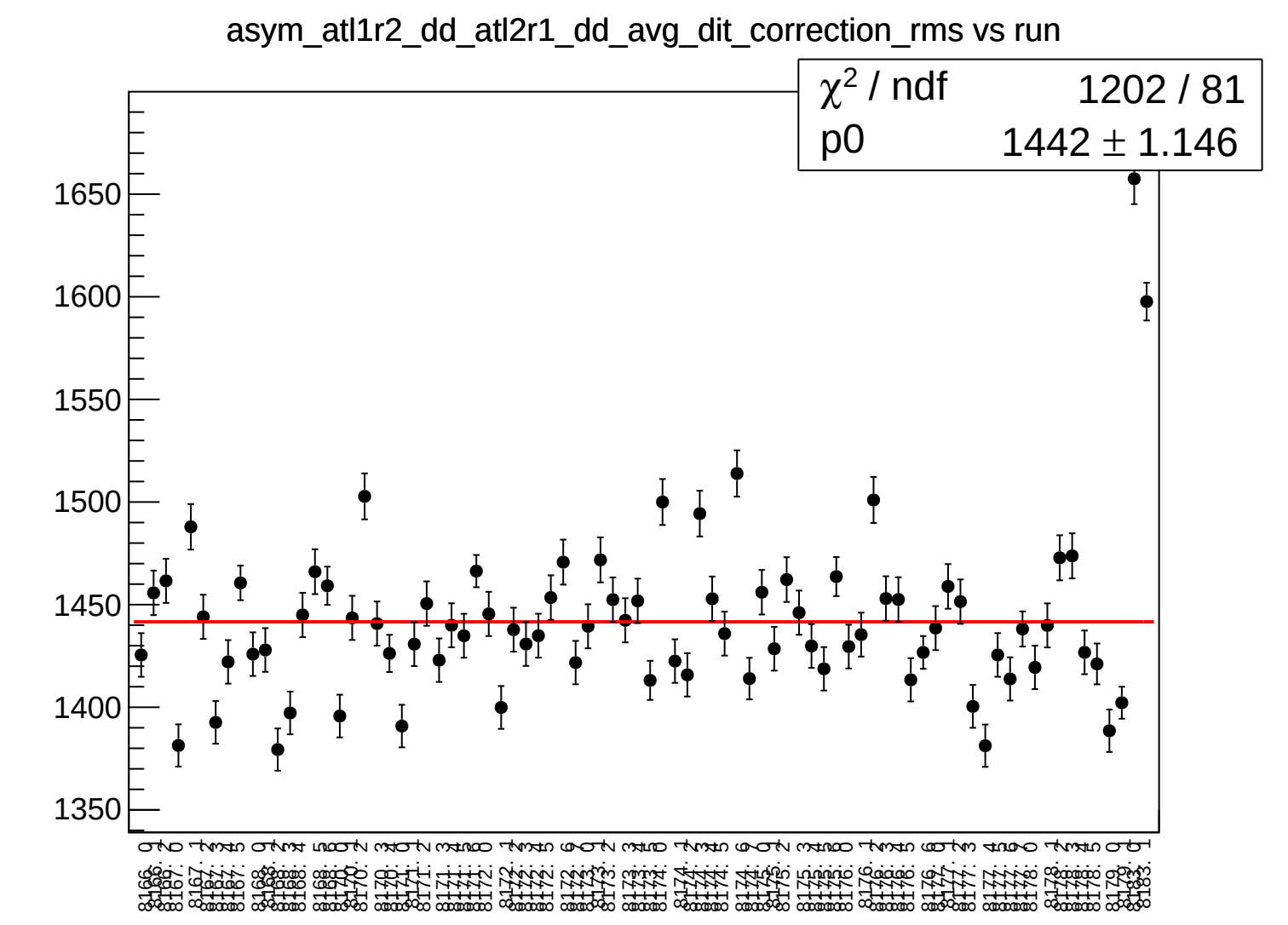

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 81.89 / 81
p0 −30.61± 1472
pull
Entries 82
Mean 688.8
Std Dev 0

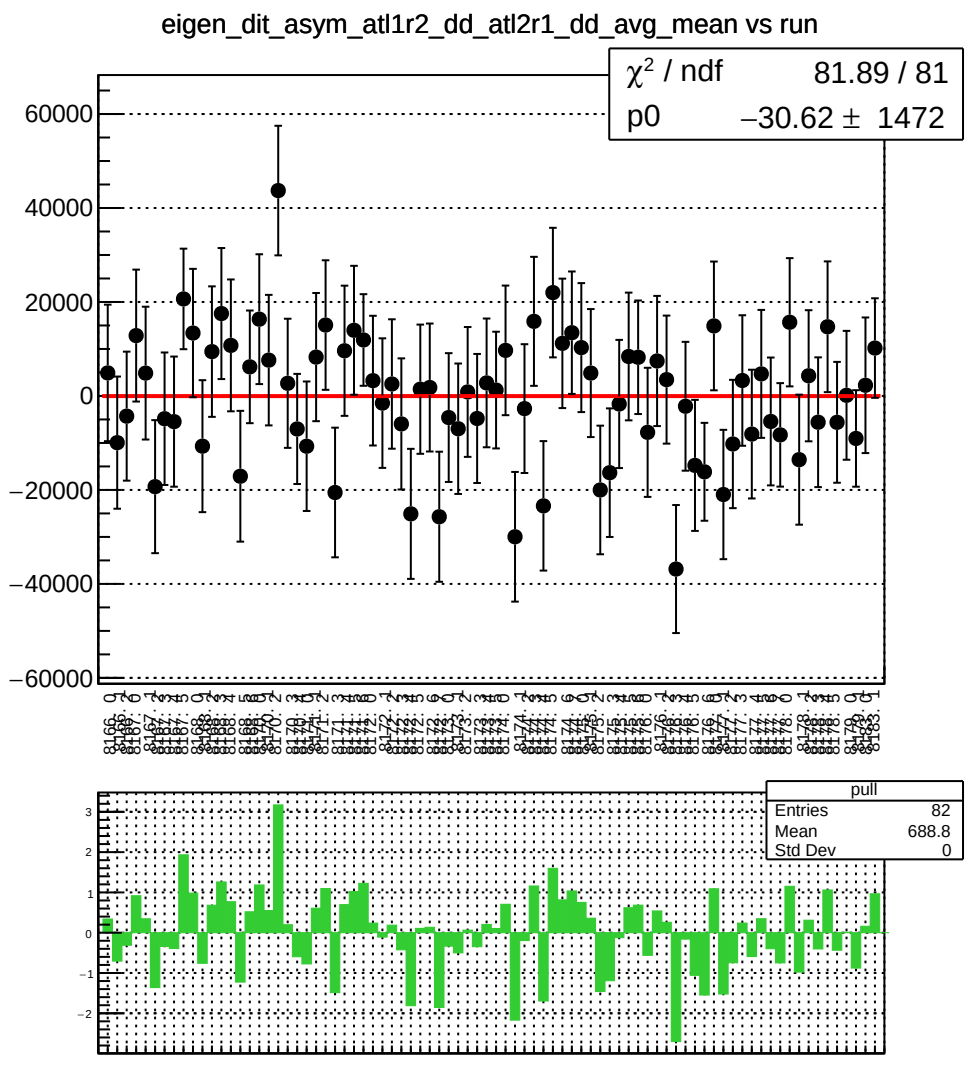

pull1D
Entries 82
Mean −0.005881
Std Dev 0.9993

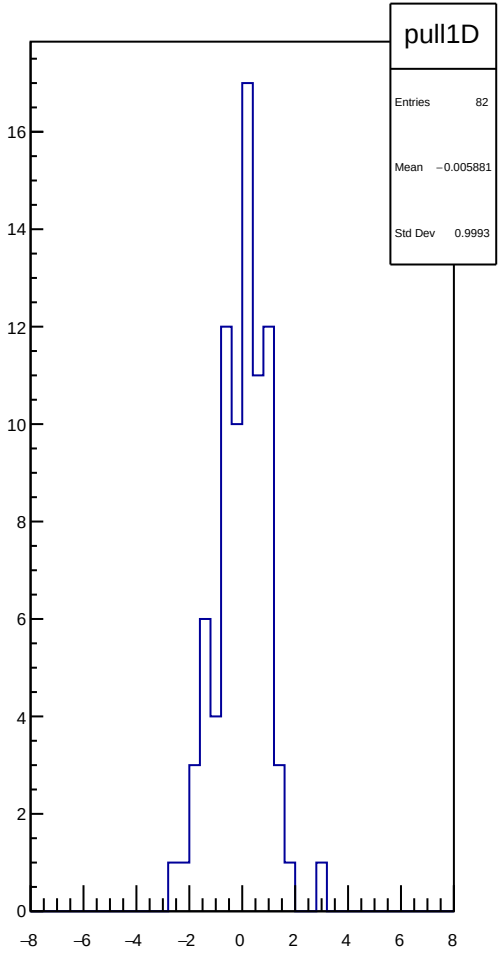

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 218.2 / 81
p0 1309 ± 1.041
1380
1360
1340
1320
1300
1280

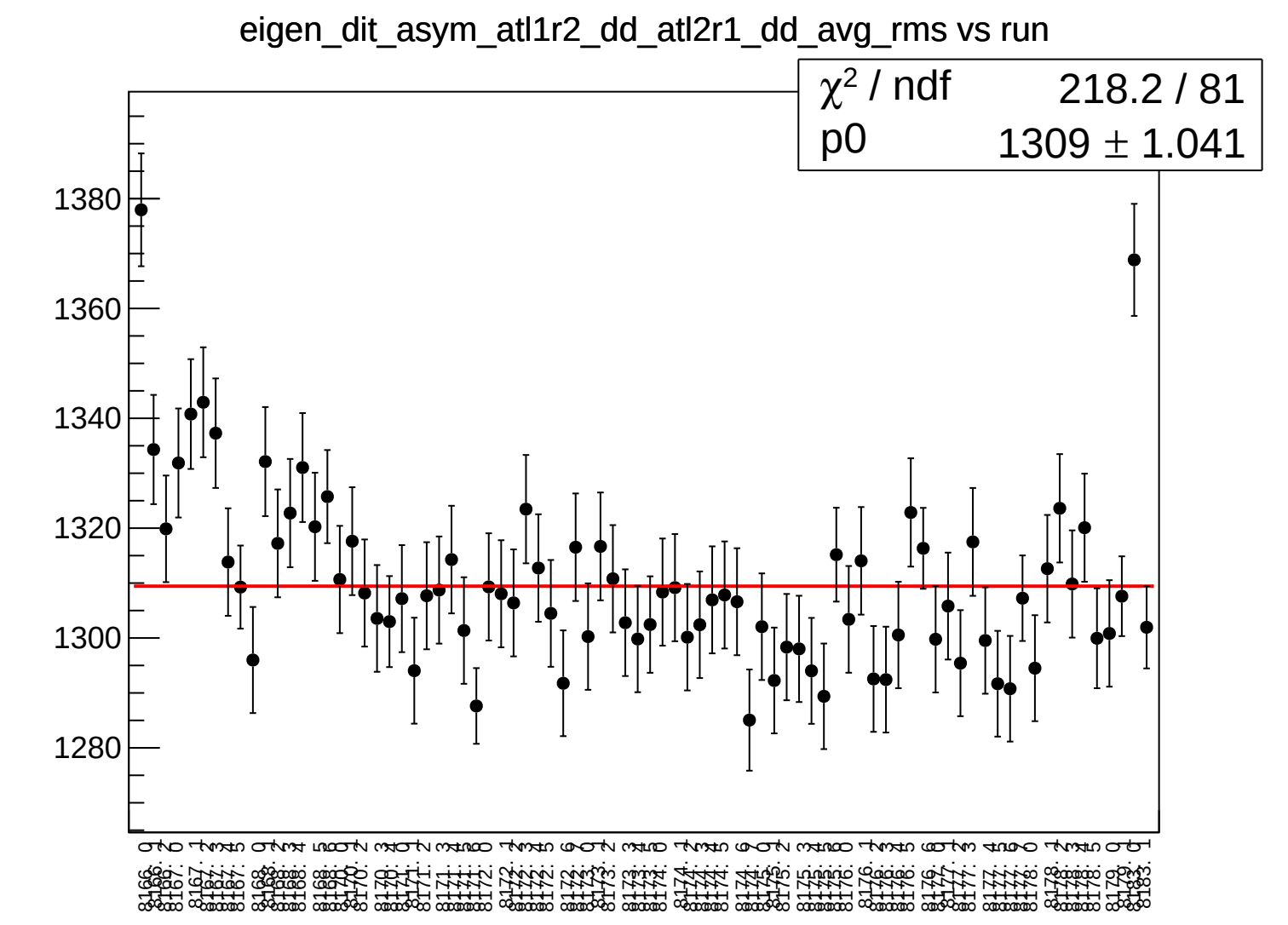

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 95.07 / 81
p0 −569.6 ± 1621
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 1711
Std Dev 0
3
2
1
0
−1
−2

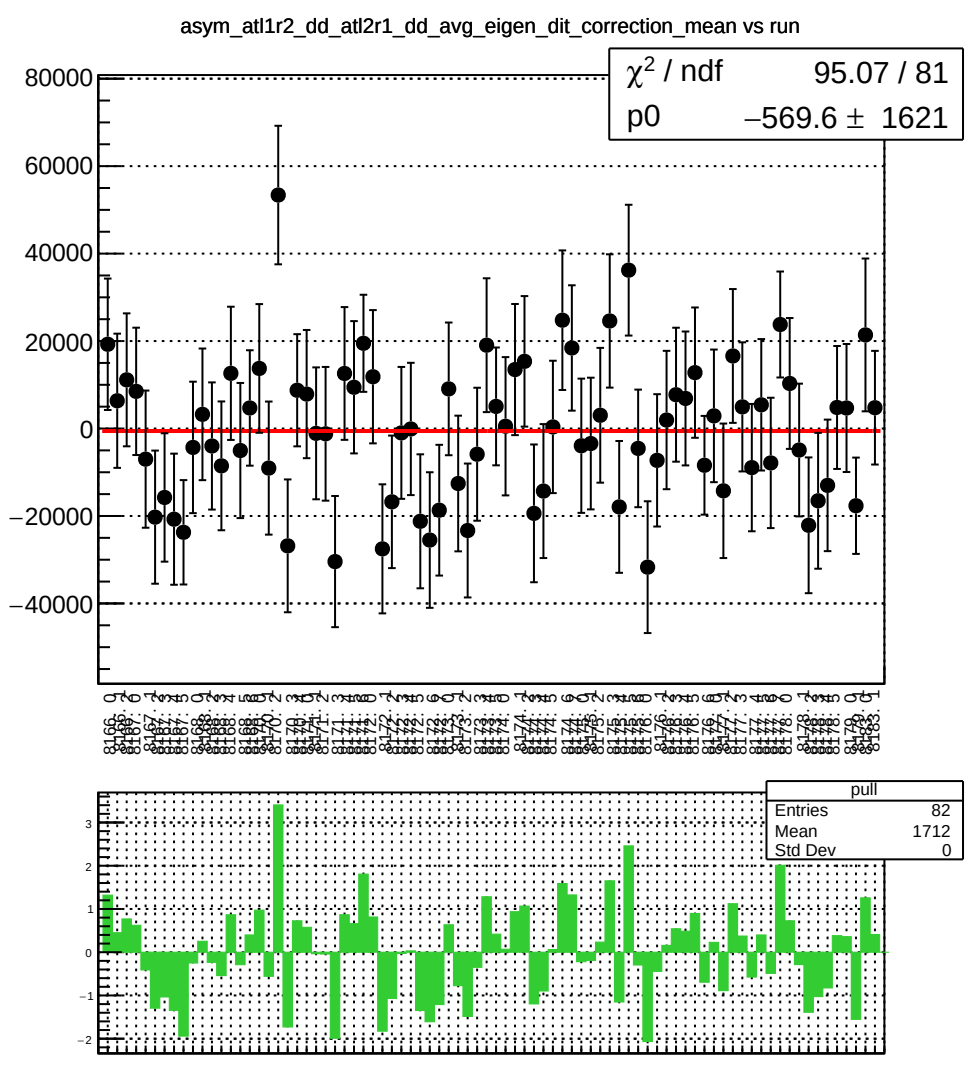

pull1D
Entries 82
Mean 0.0005865
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

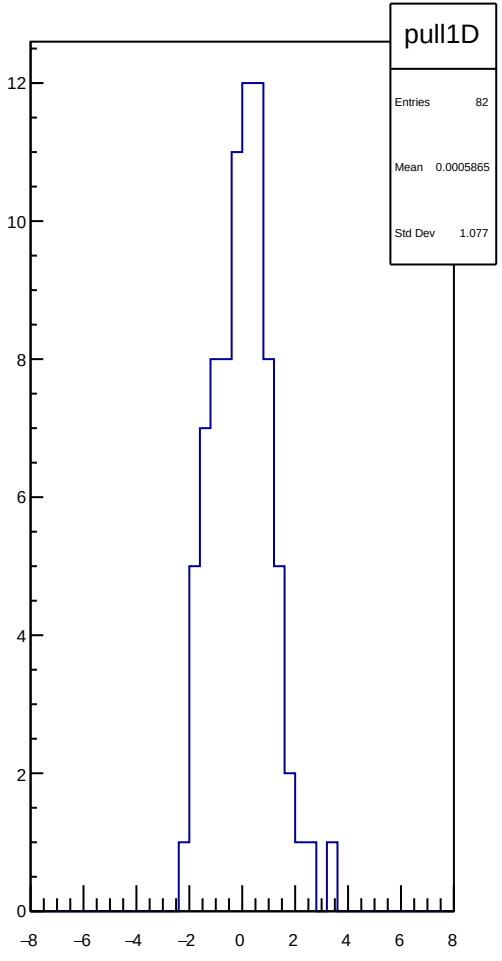

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 1202 / 81
p0 1442 ± 1.146
1650
1600
1550
1500
1450
1400
1350

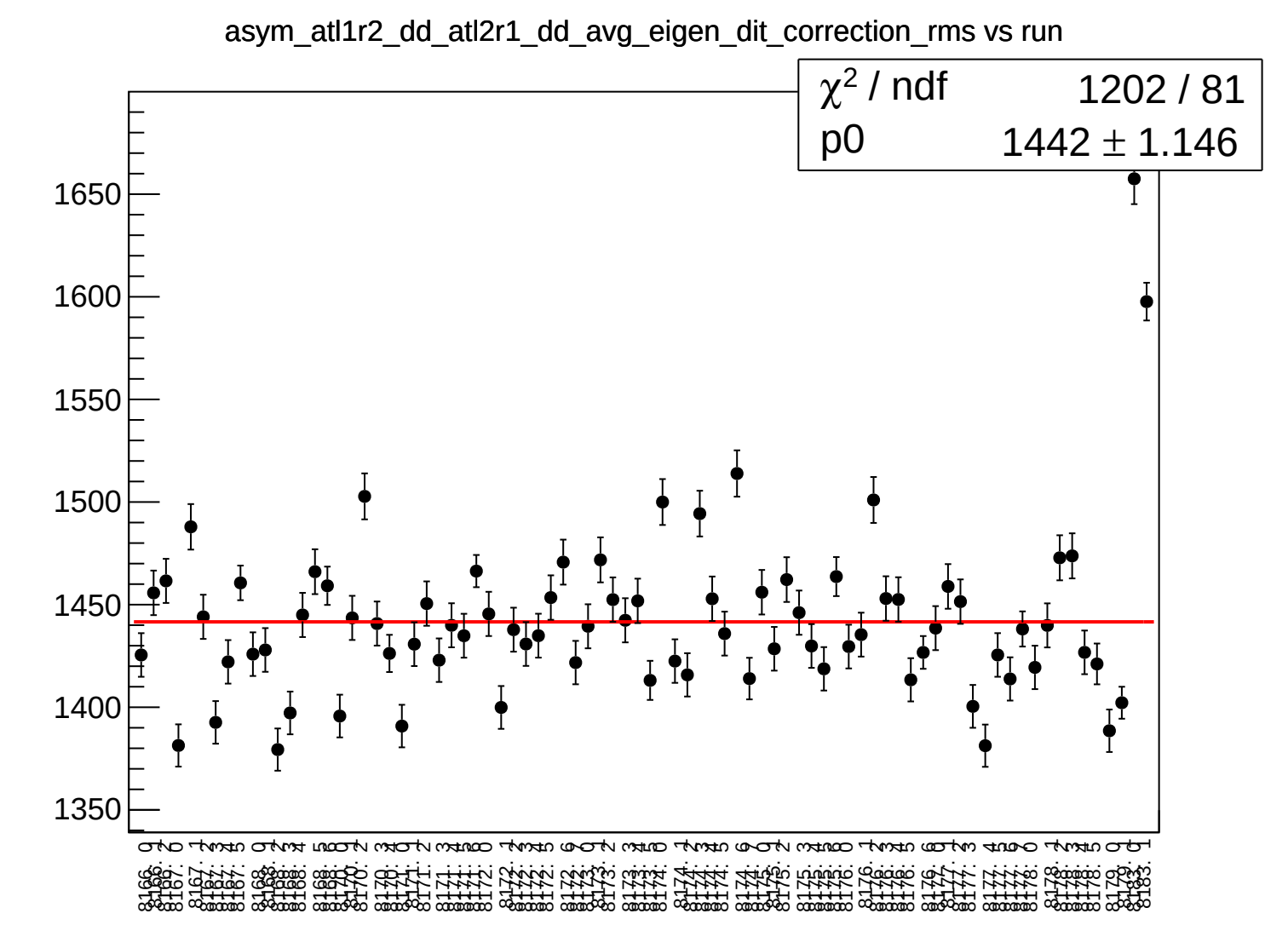

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 81.89 / 81
p0 −30.62 ± 1472
pull
Entries 82
Mean 688.8
Std Dev 0

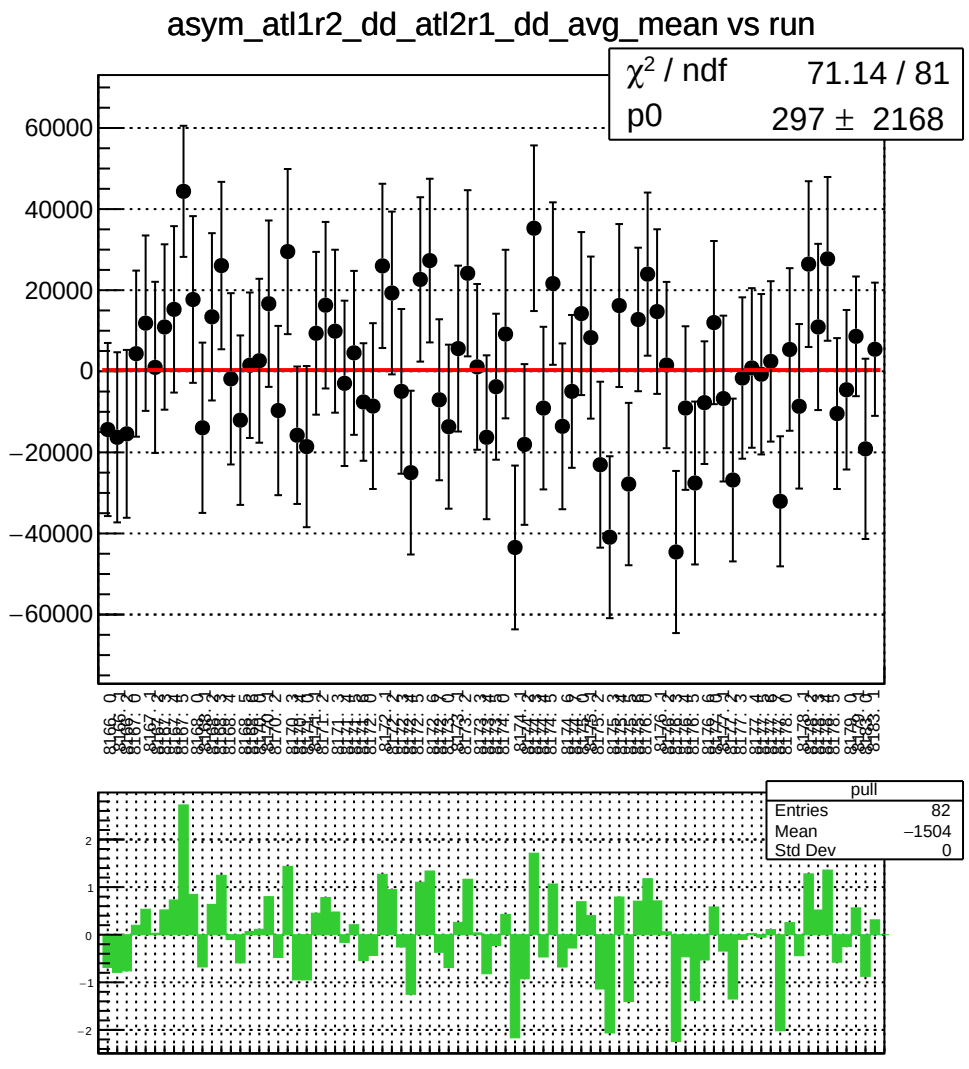

pull1D
Entries 82
Mean −0.005881
Std Dev 0.9993

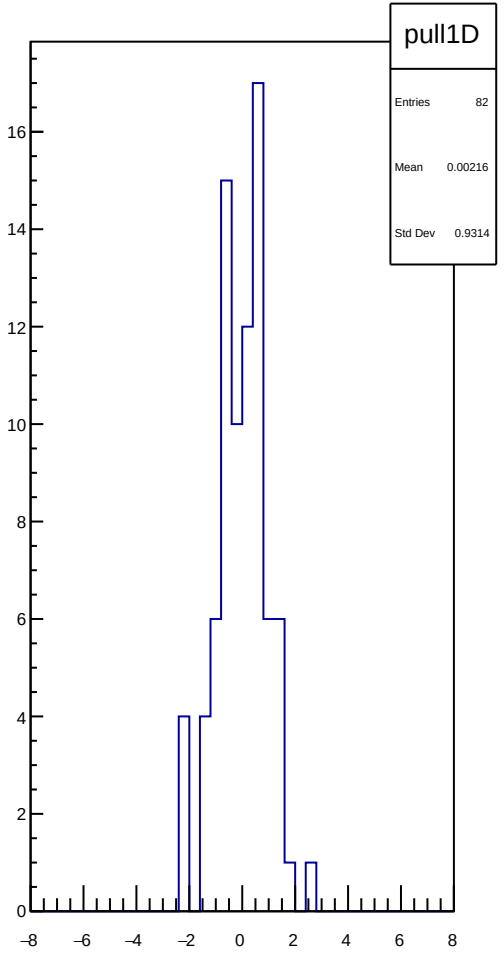

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 218.2 / 81
p0 1309 ± 1.041
1380
1360
1340
1320
1300
1280

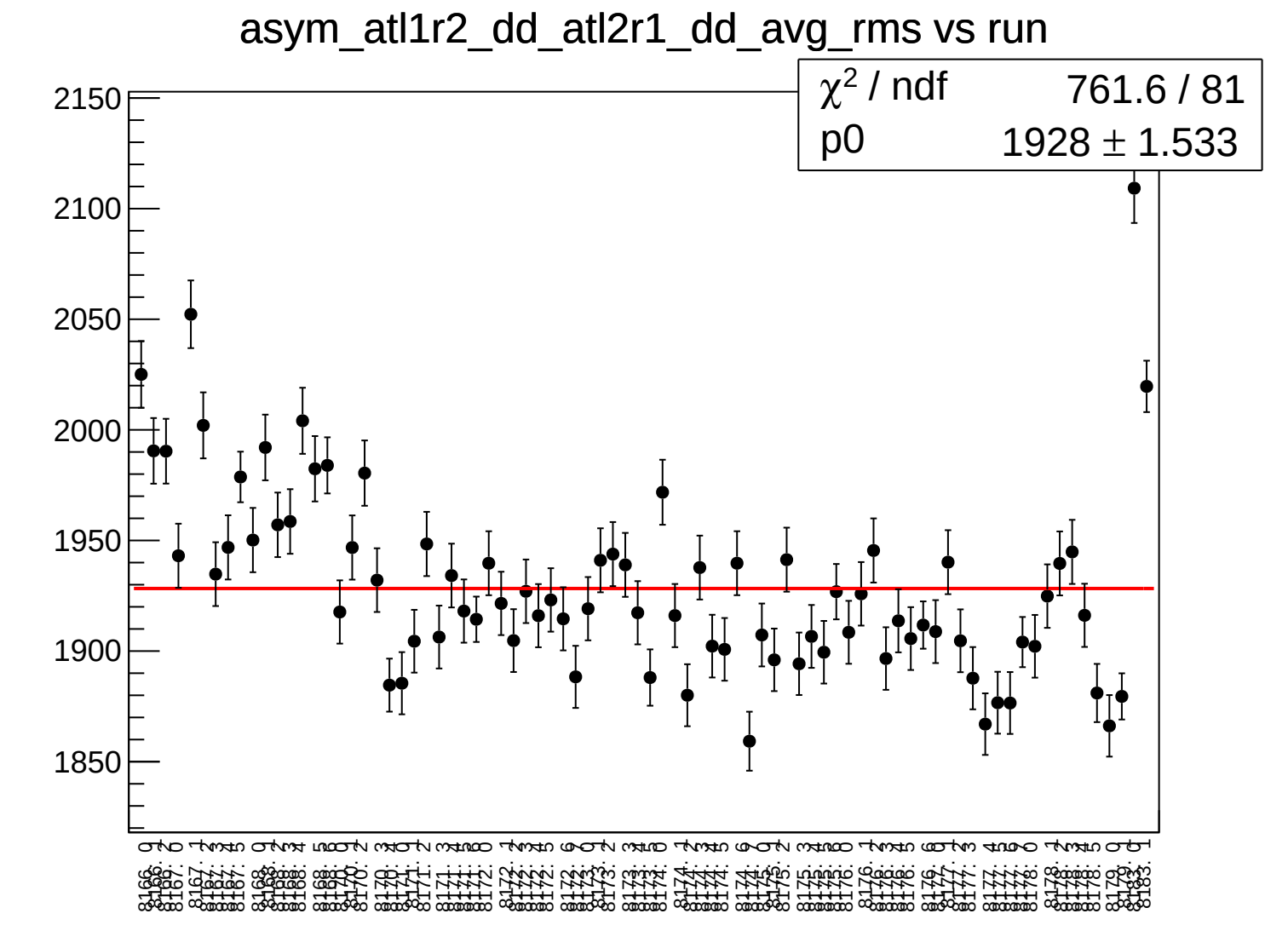

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 95.07 / 81
p0 −569.6 ± 1621
pull
Entries 82
Mean 1712
Std Dev 0

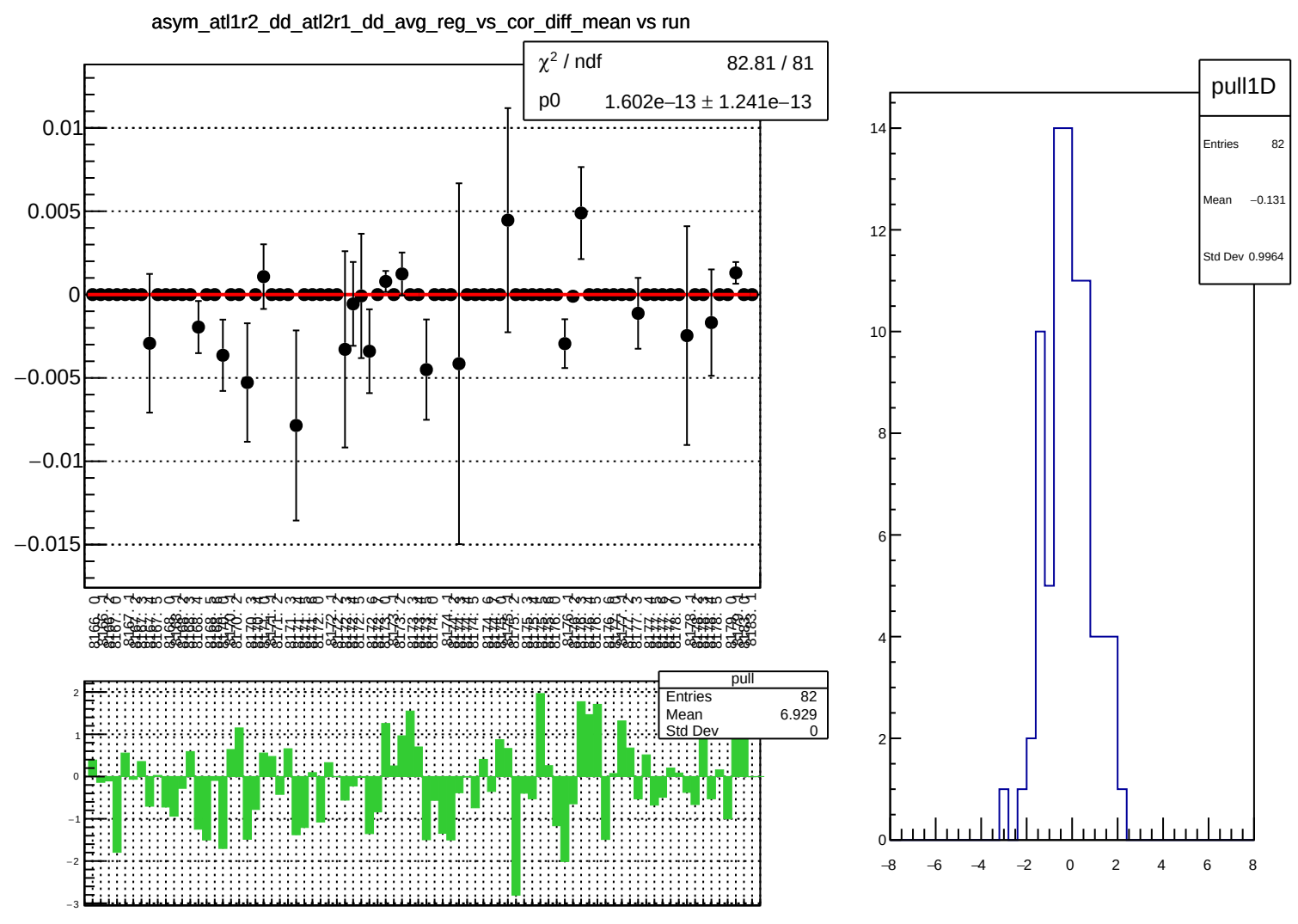

pull1D
Entries 82
Mean 0.0005865
Std Dev 1.077

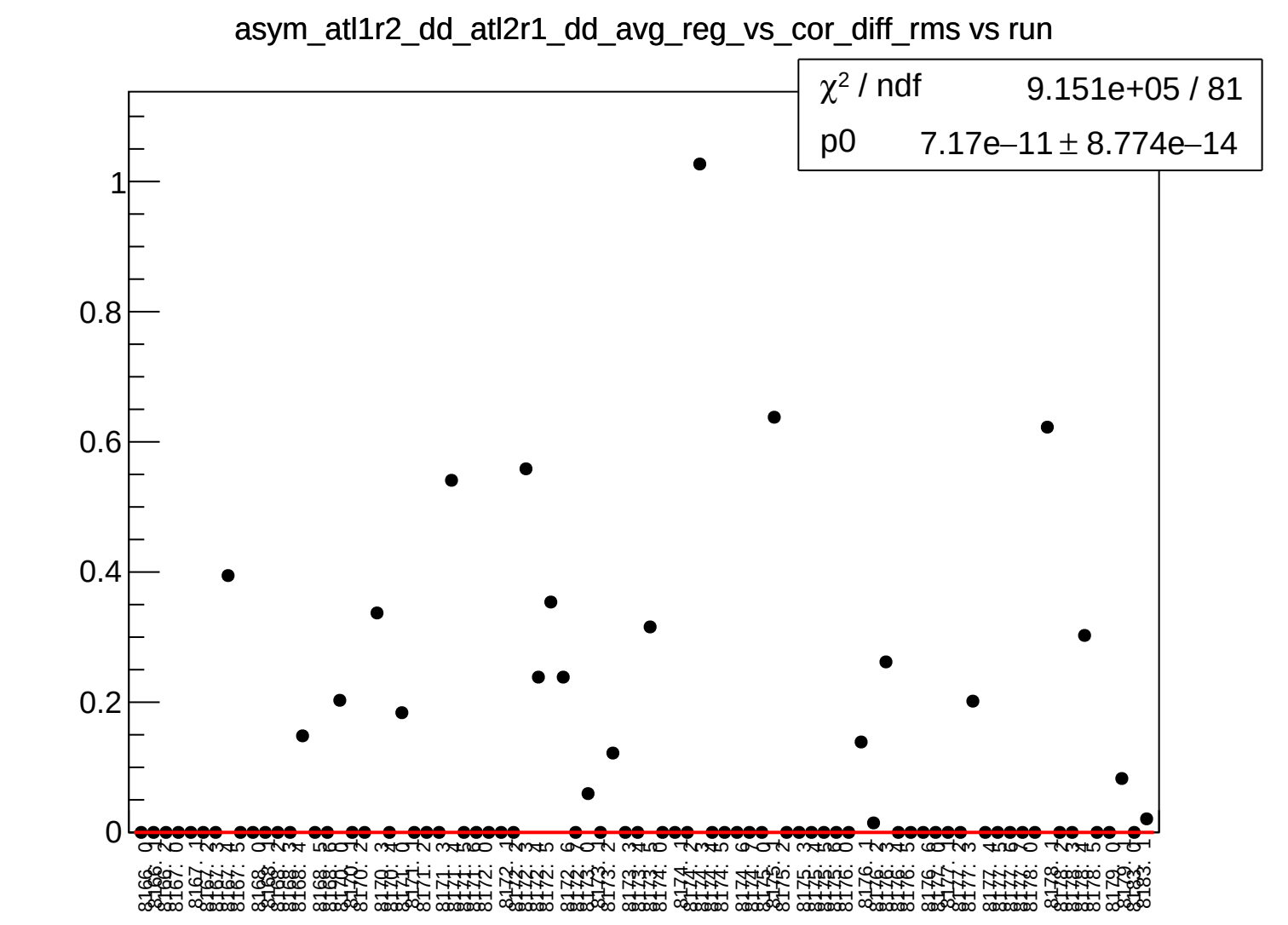

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1202 / 81
p0 1442 ± 1.146
1650
1600
1550
1500
1450
1400
1350

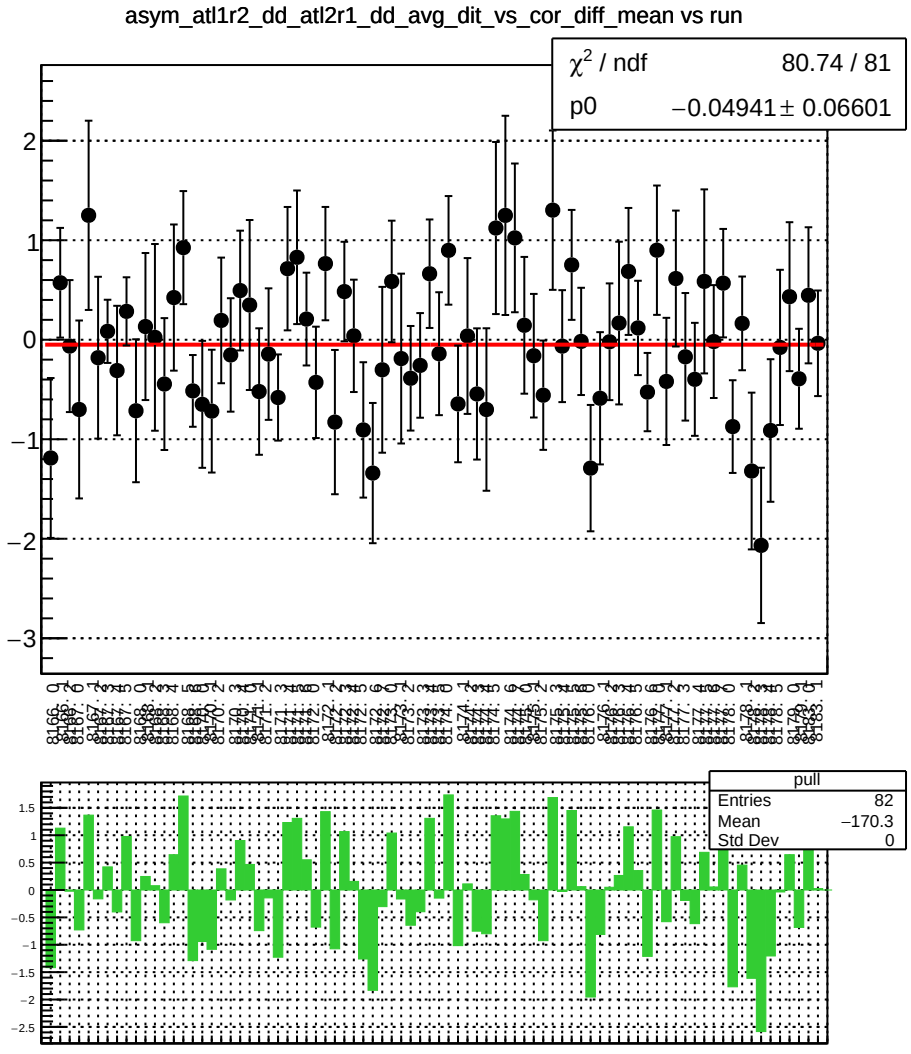

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 71.14 / 81
p0 297 ± 2168
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1504
Std Dev 0
2
1
0
−1
−2

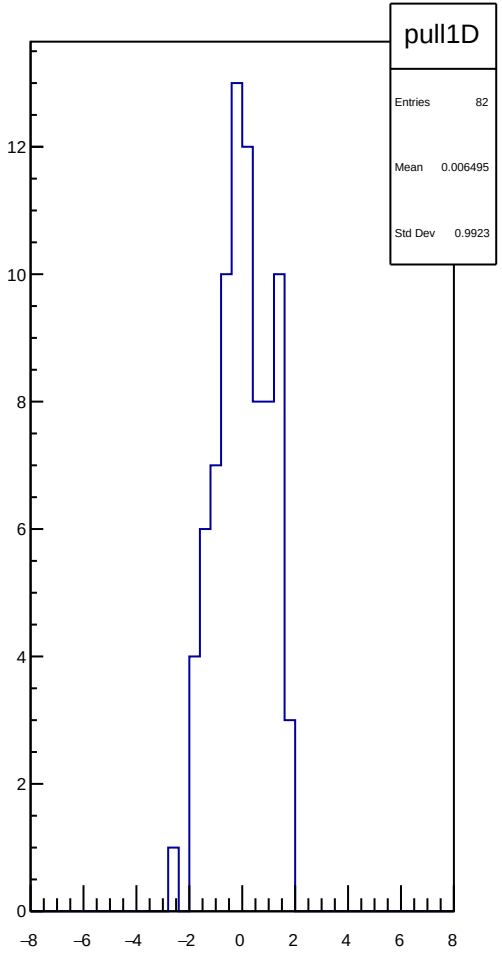

pull1D
Entries 82
Mean 0.00216
Std Dev 0.9314
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

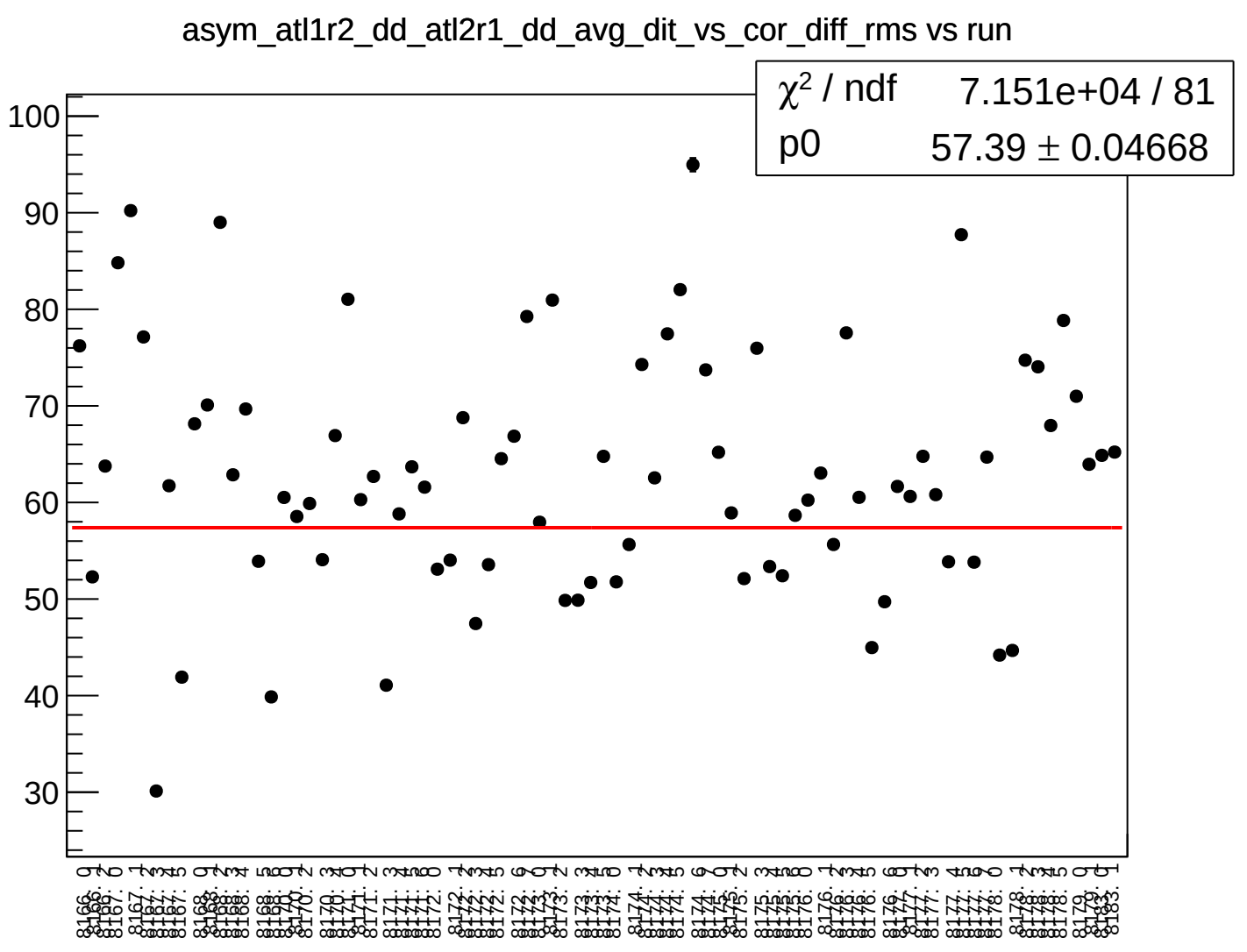

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ^2 / ndf 761.6 / 81
p0 1928 ± 1.533
2150
2100
2050
2000
1950
1900
1850

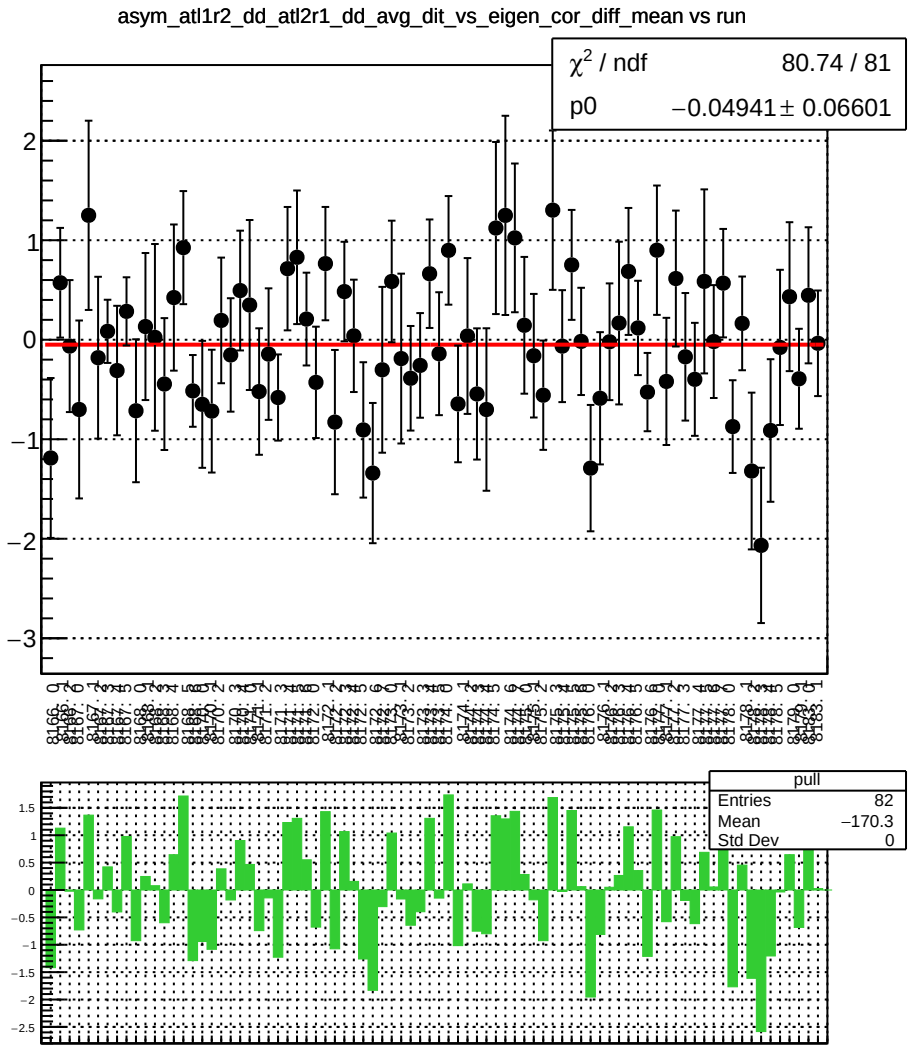

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 81
p0 1.602e−13 ± 1.241e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 82
Mean 6.929
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.131
Std Dev 0.9964
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

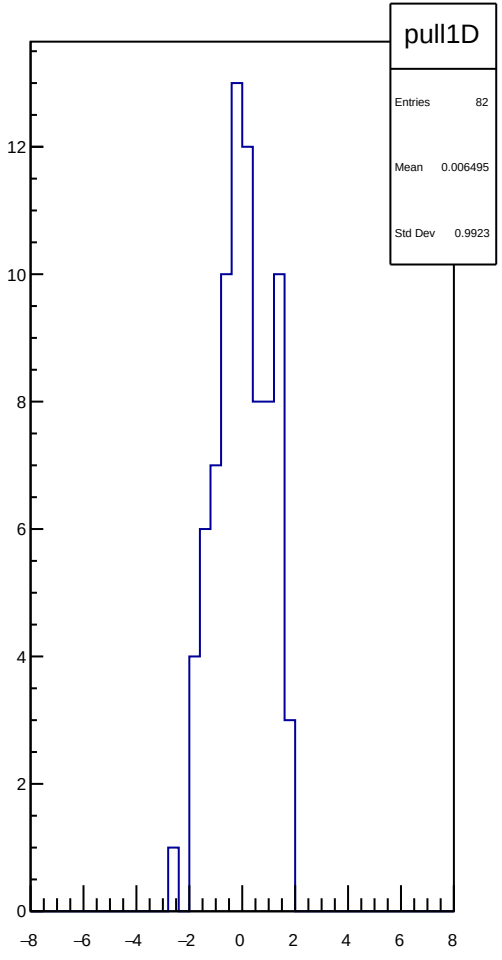

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.151e+05 / 81
p0 7.17e−11 ± 8.774e−14
1
0.8
0.6
0.4
0.2
0

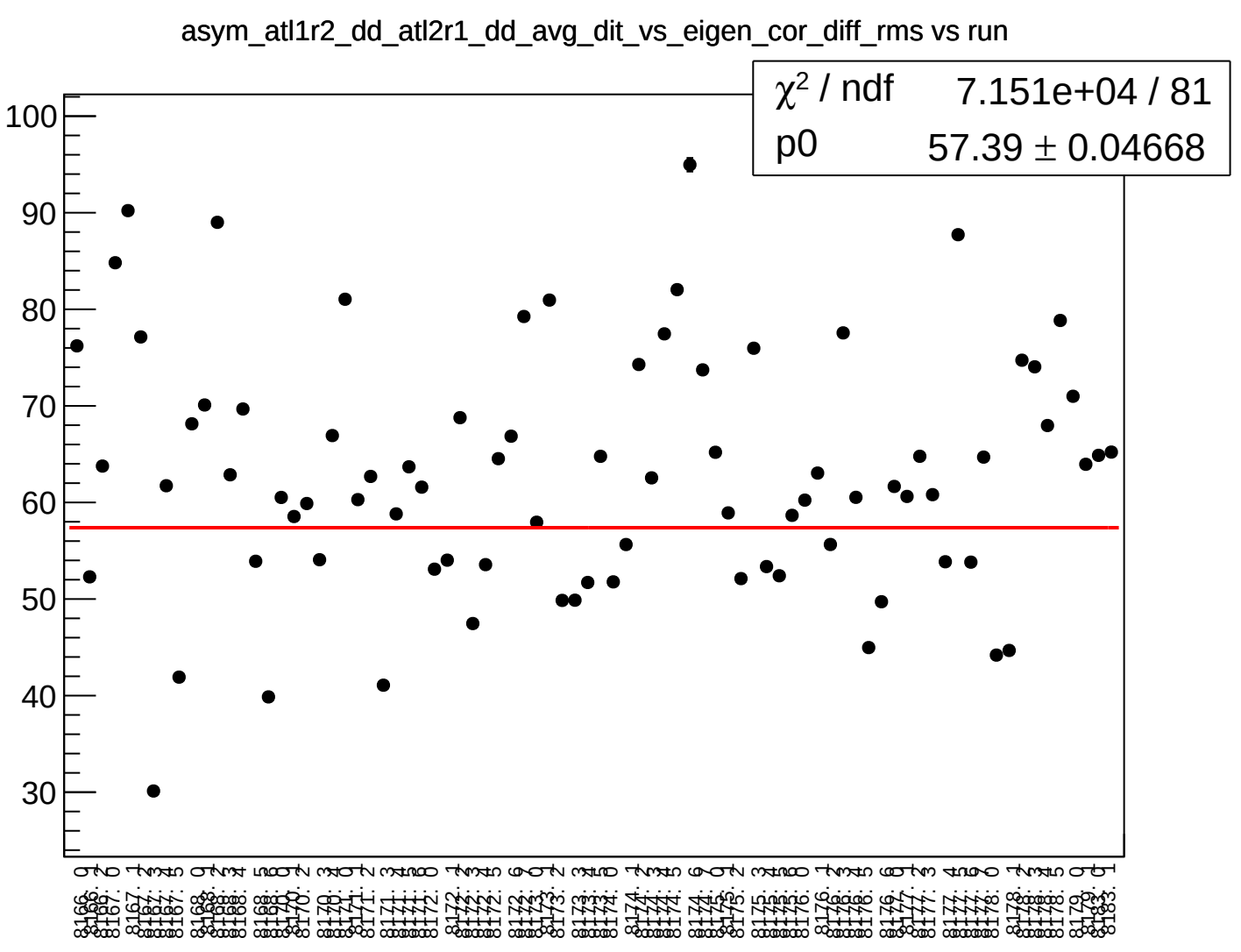

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04941 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

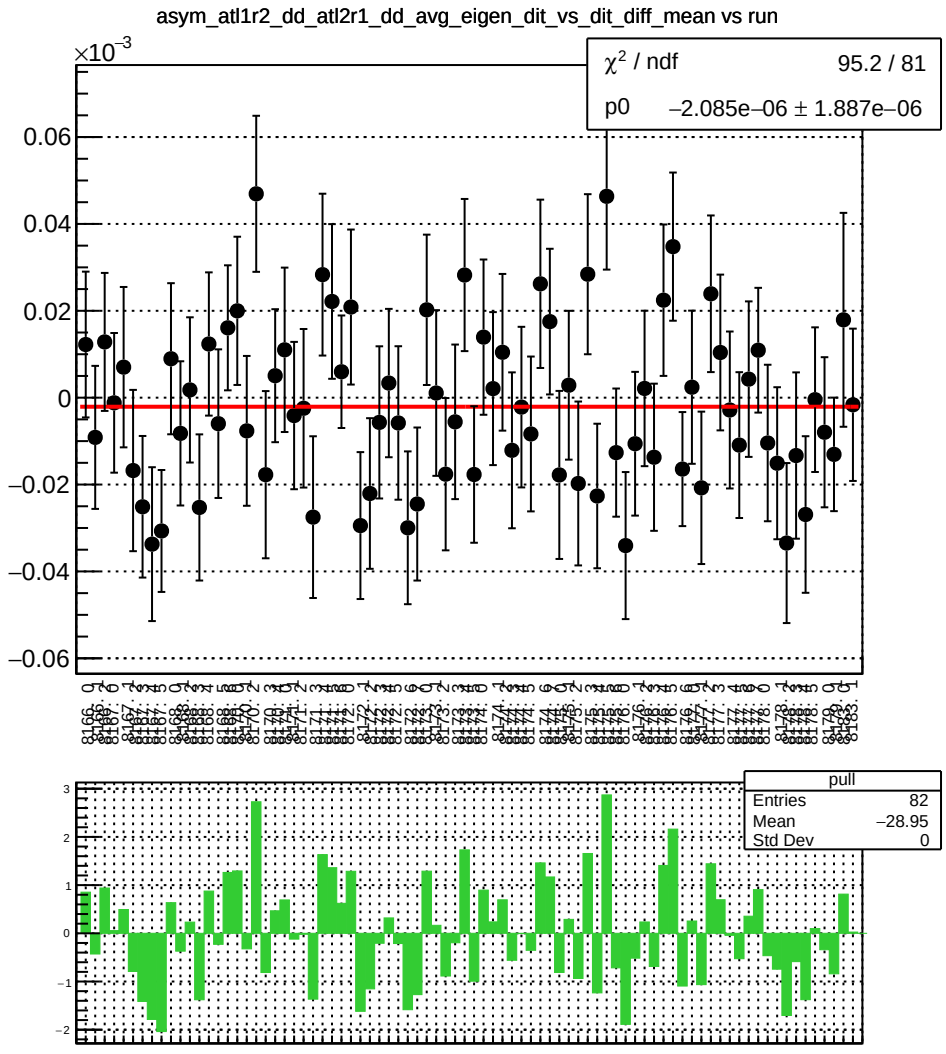

pull1D
Entries 82
Mean 0.006495
Std Dev 0.9923

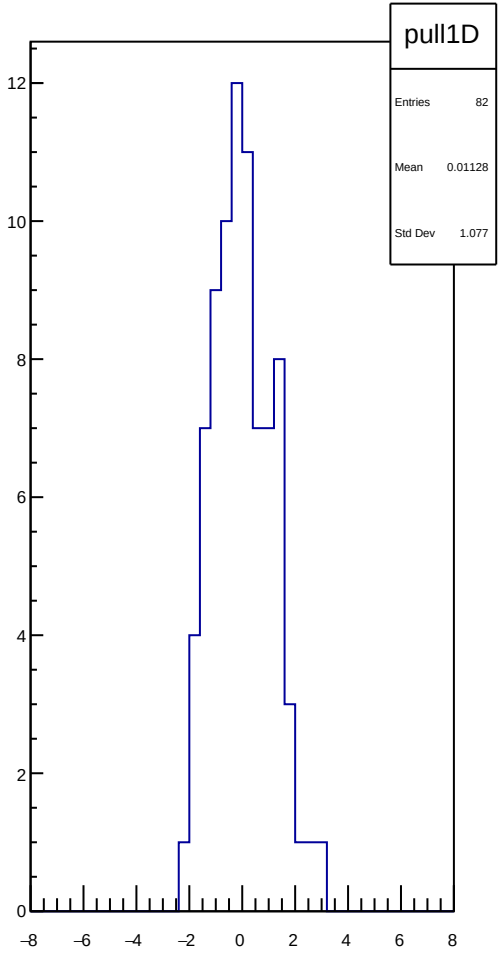

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

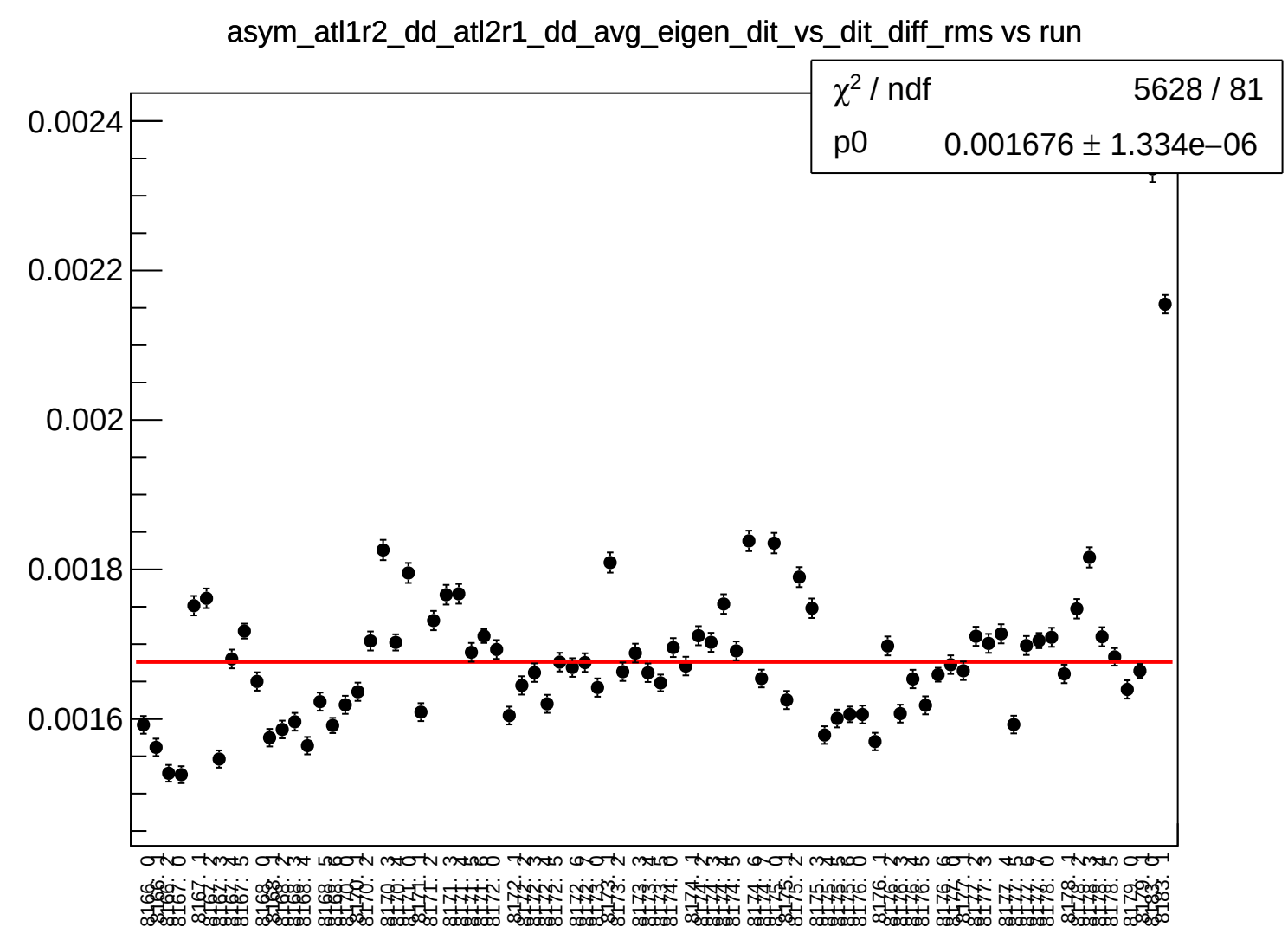

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04941 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

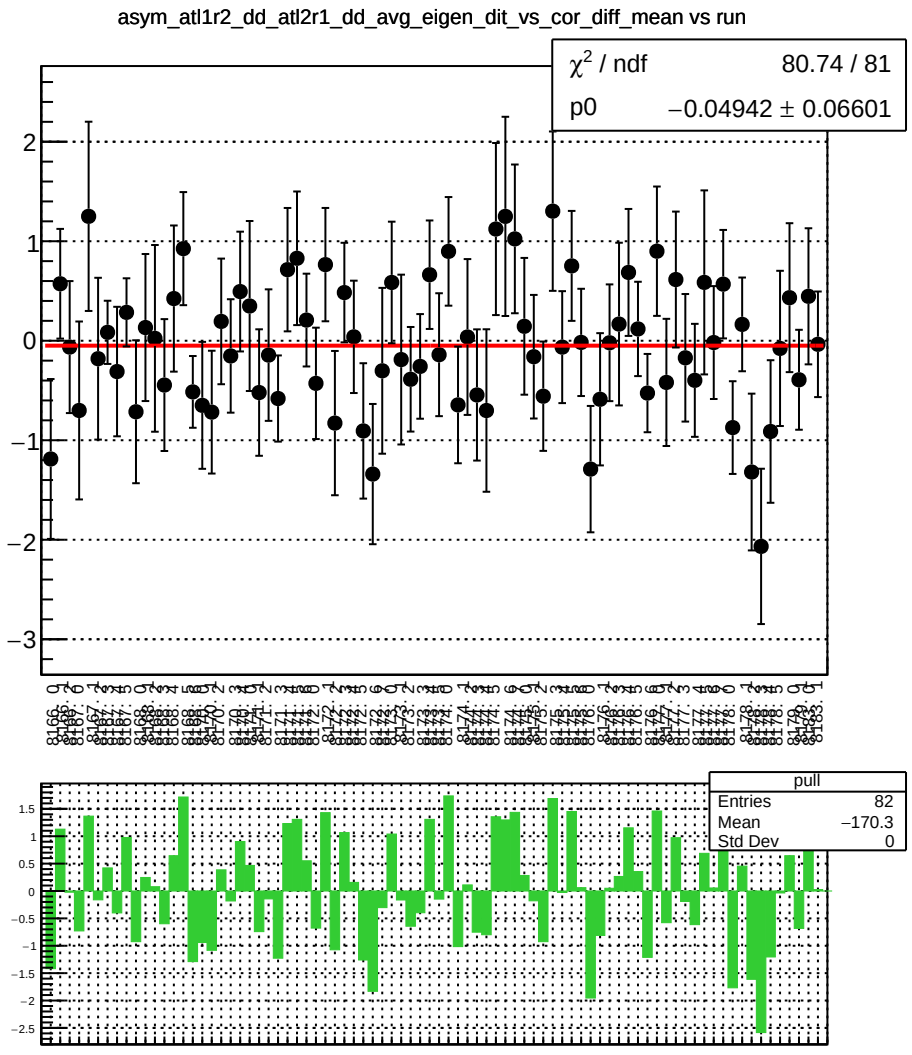

pull1D
Entries 82
Mean 0.006495
Std Dev 0.9923

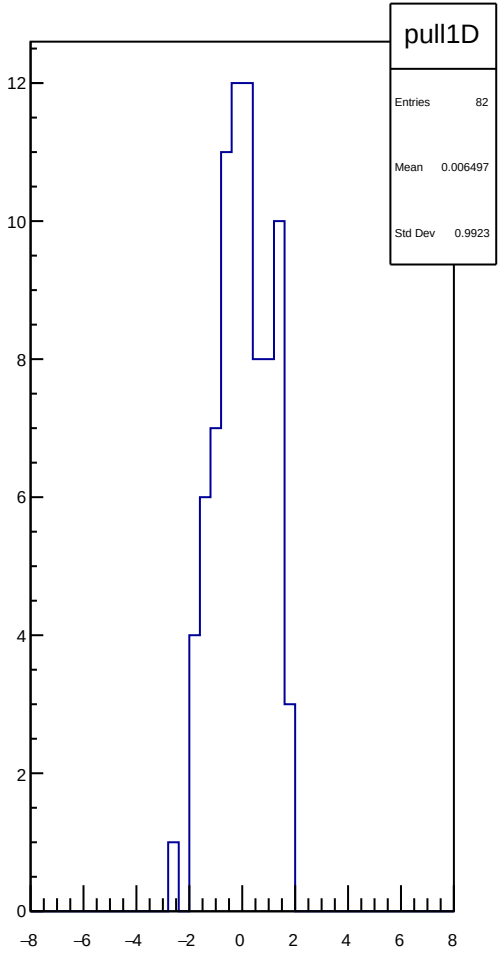

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

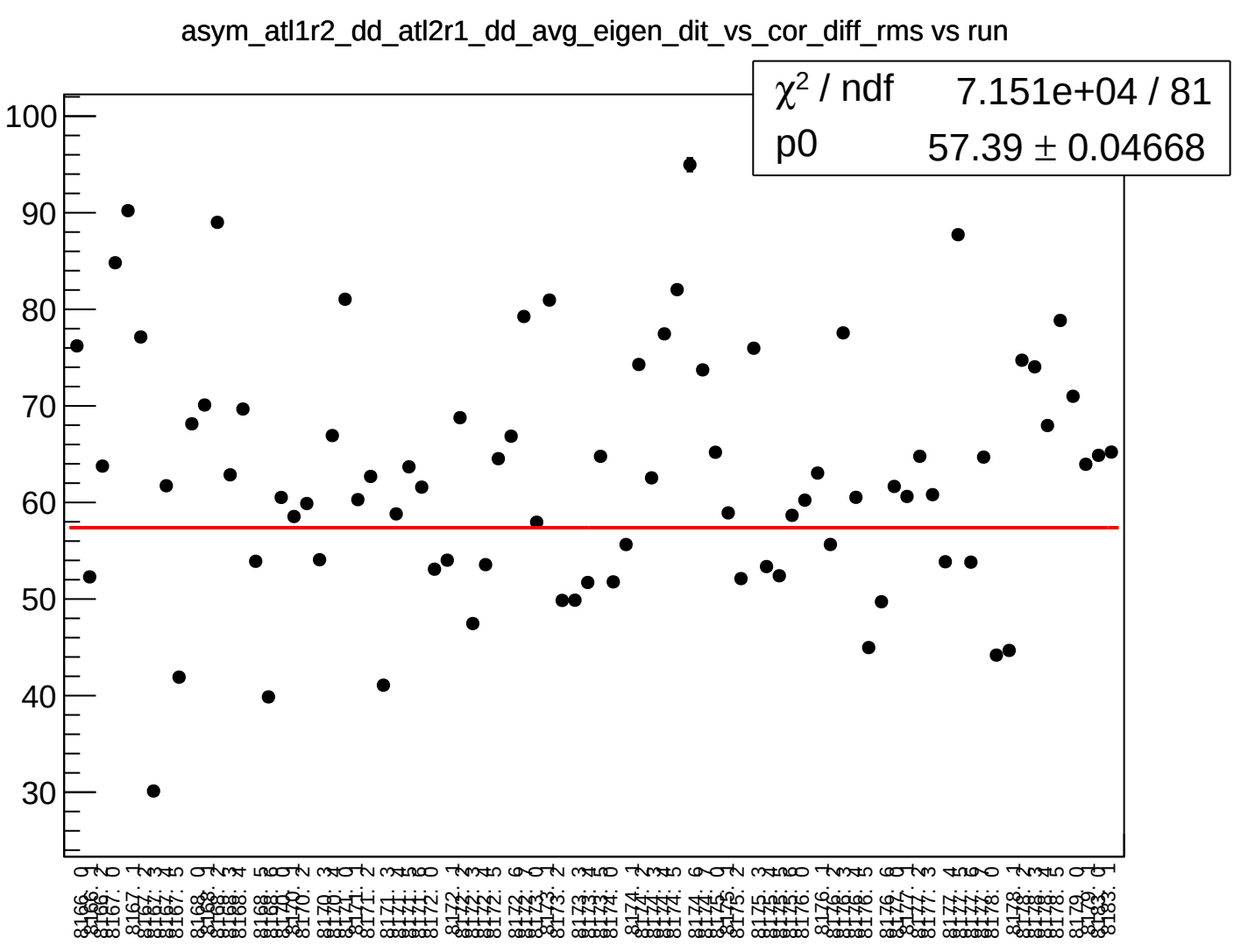

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.2 / 81
p0 −2.085e−06 ± 1.887e−06
pull
Entries 82
Mean −28.95
Std Dev 0

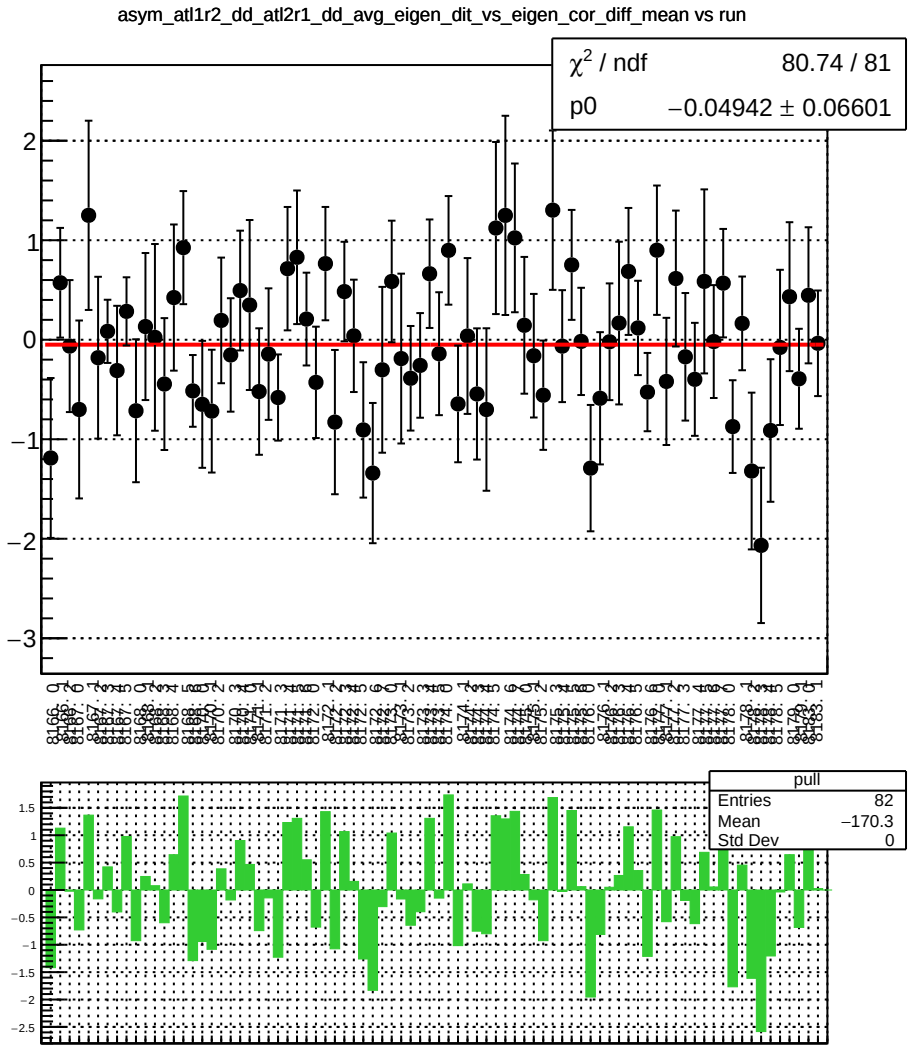

pull1D
Entries 82
Mean 0.01128
Std Dev 1.077

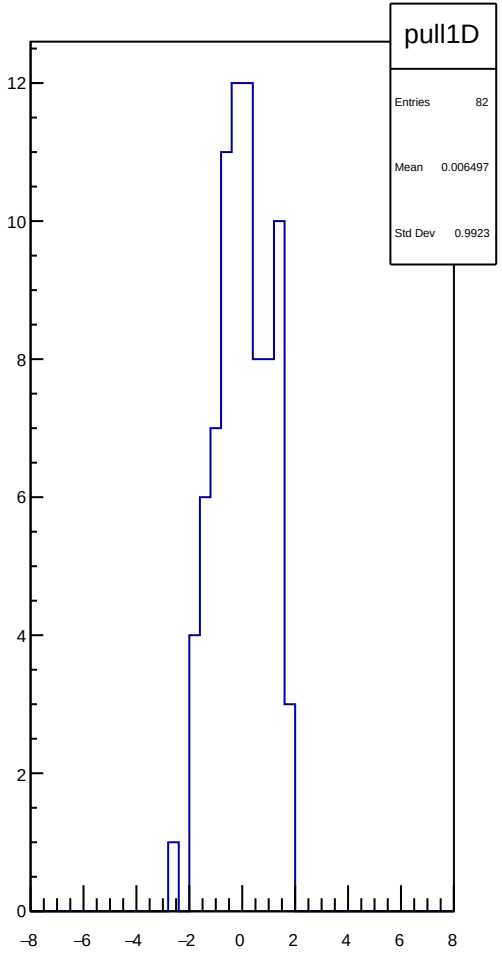

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5628 / 81
p0 0.001676 ± 1.334e−06
0.0024
0.0022
0.002
0.0018
0.0016

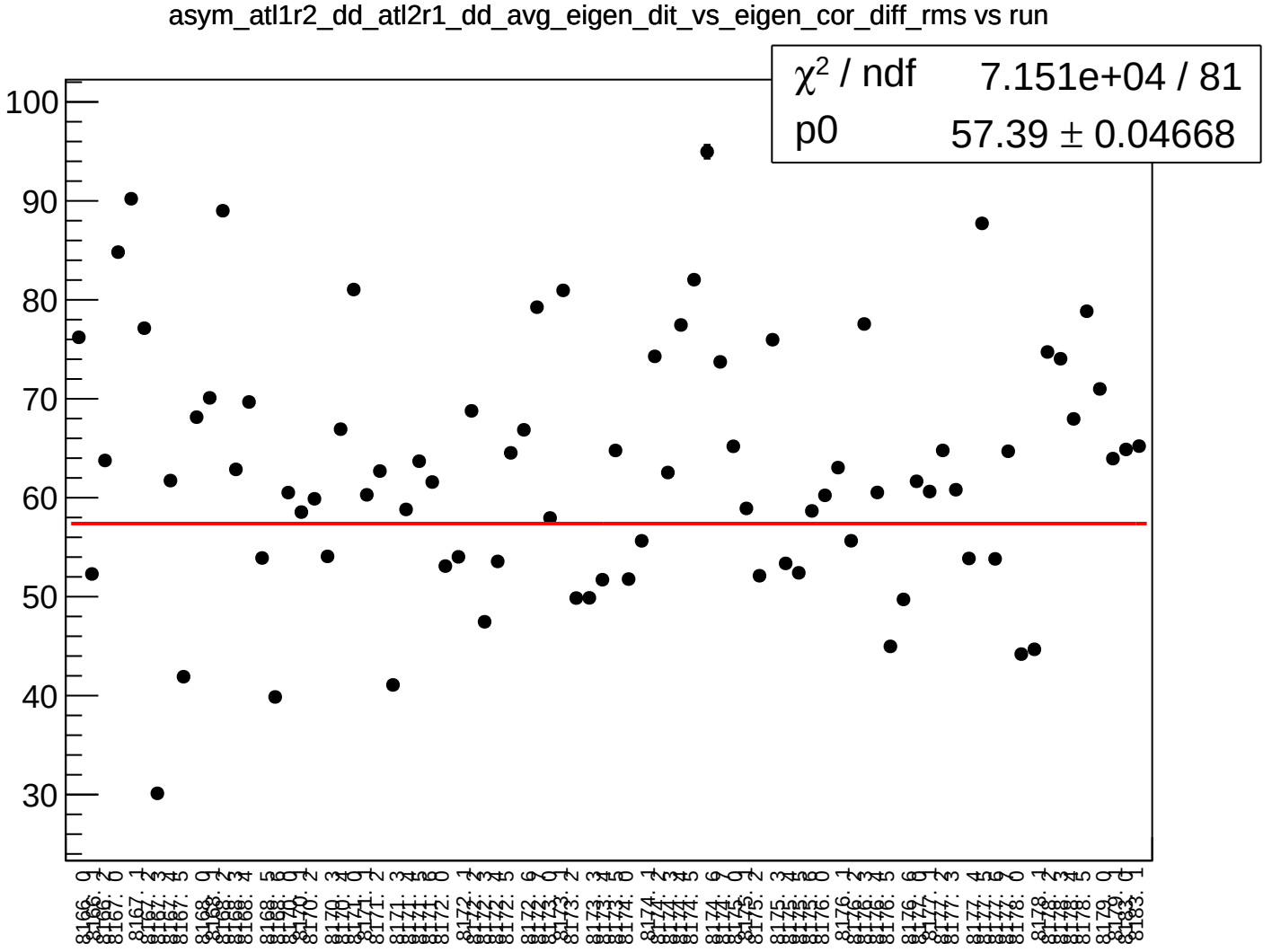

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04942 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

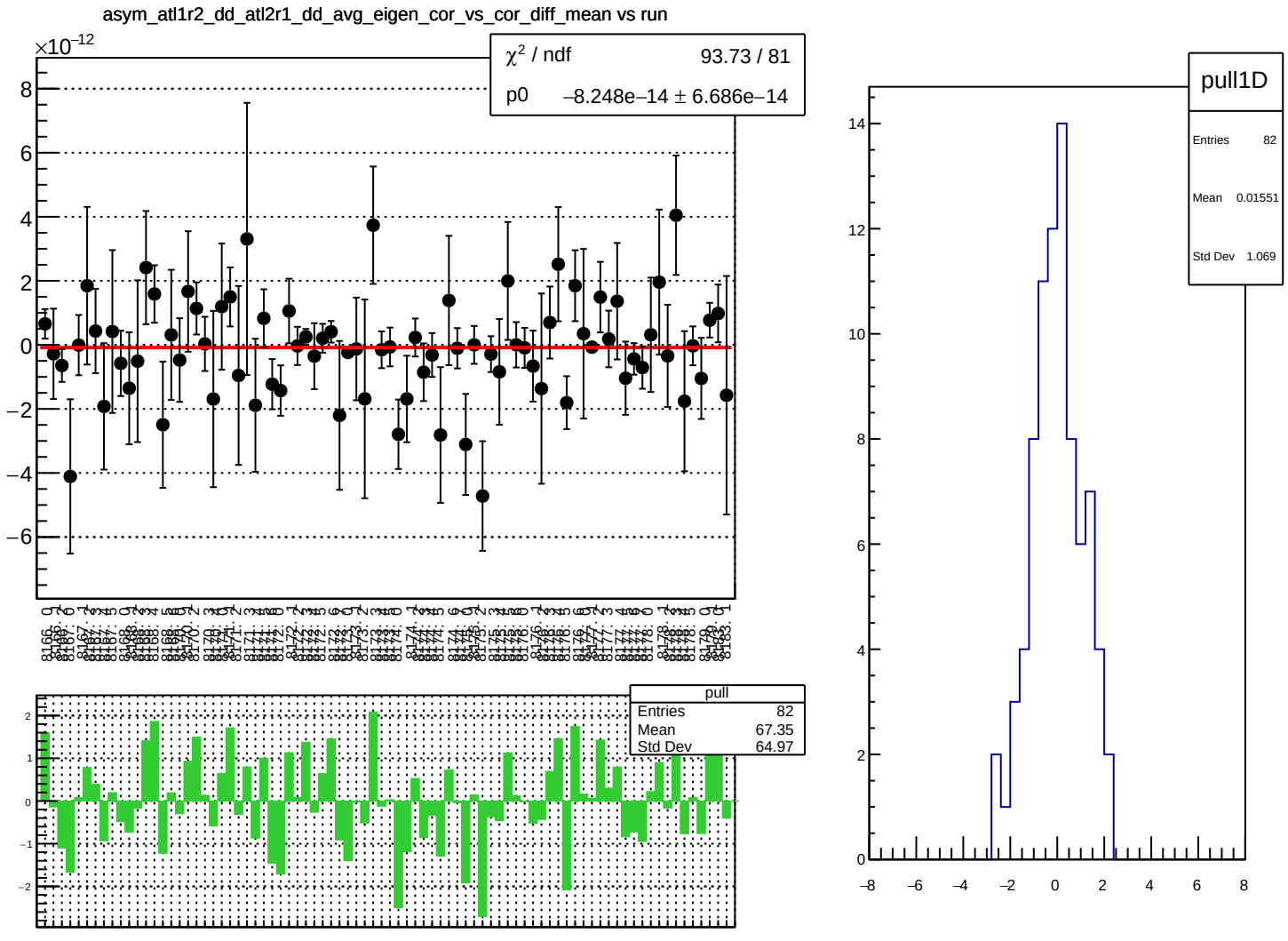

pull1D
Entries 82
Mean 0.006497
Std Dev 0.9923

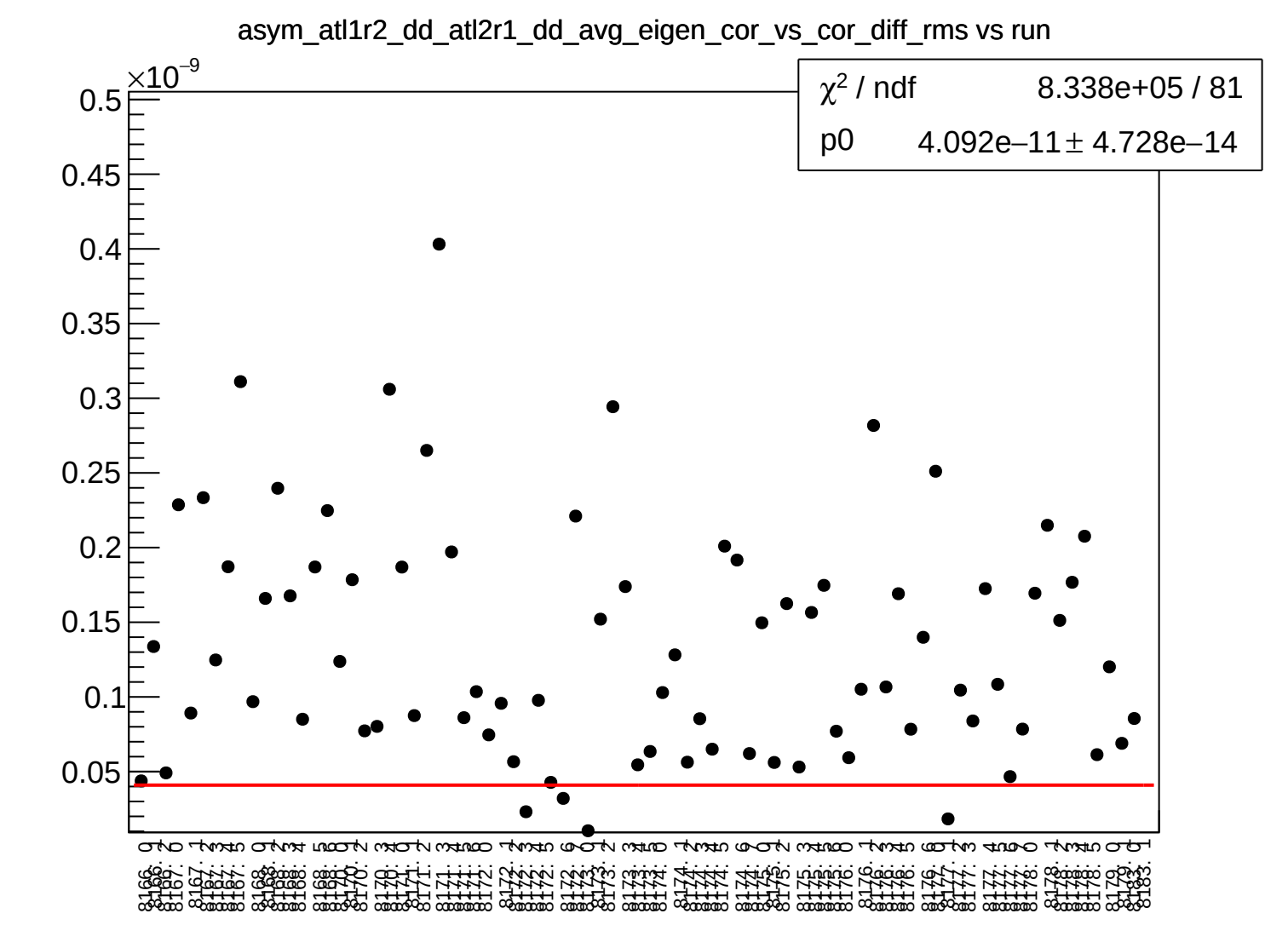

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

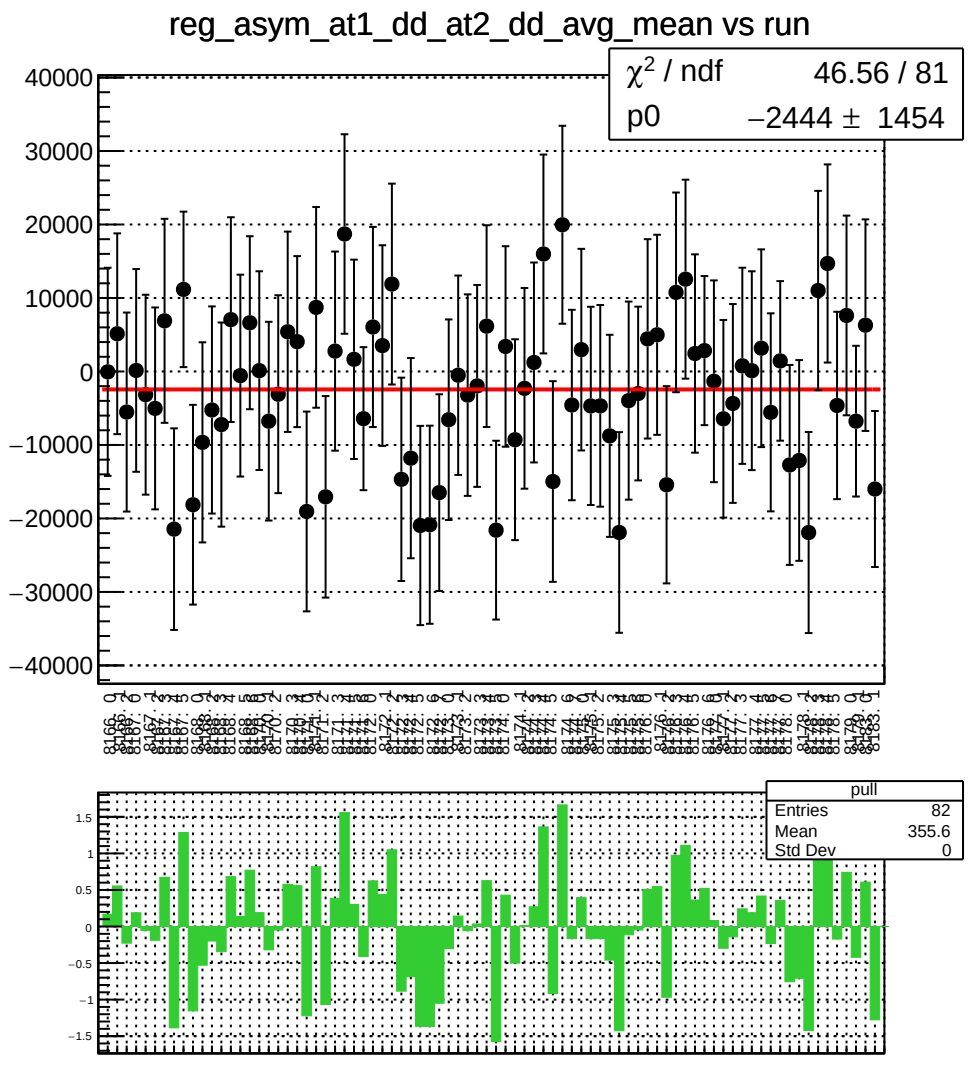

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.74 / 81
p0 −0.04942 ± 0.06601
pull
Entries 82
Mean −170.3
Std Dev 0

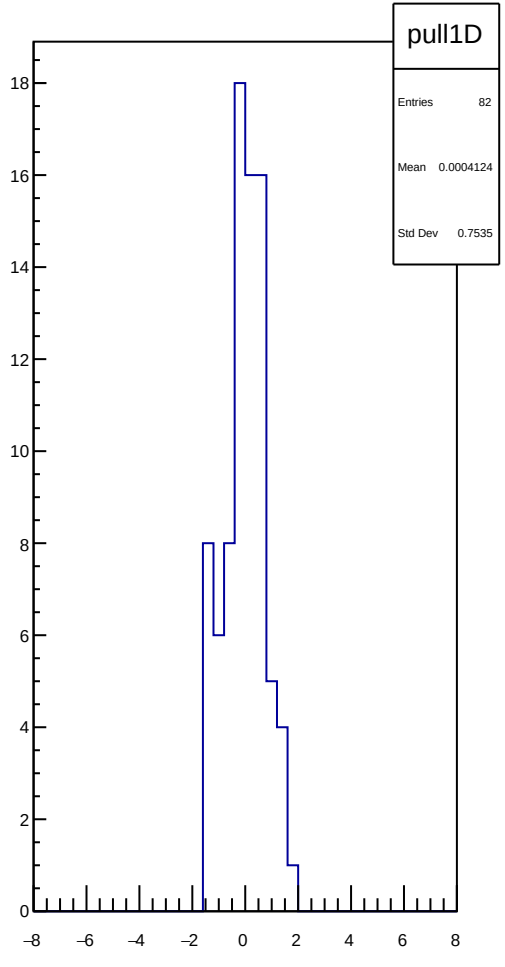

pull1D
Entries 82
Mean 0.006497
Std Dev 0.9923

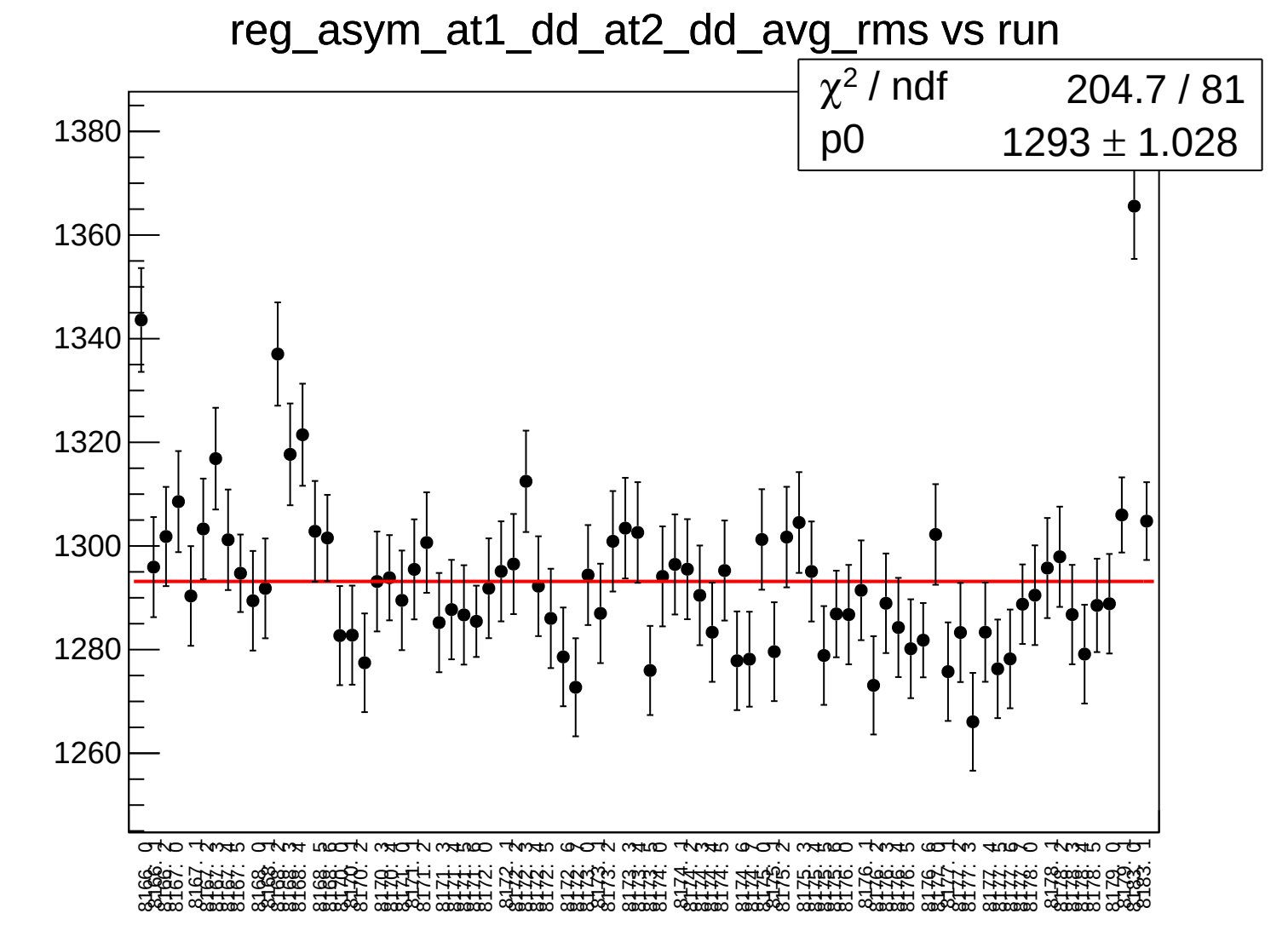

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.151e+04 / 81
p0 57.39 ± 0.04668
100
90
80
70
60
50
40
30

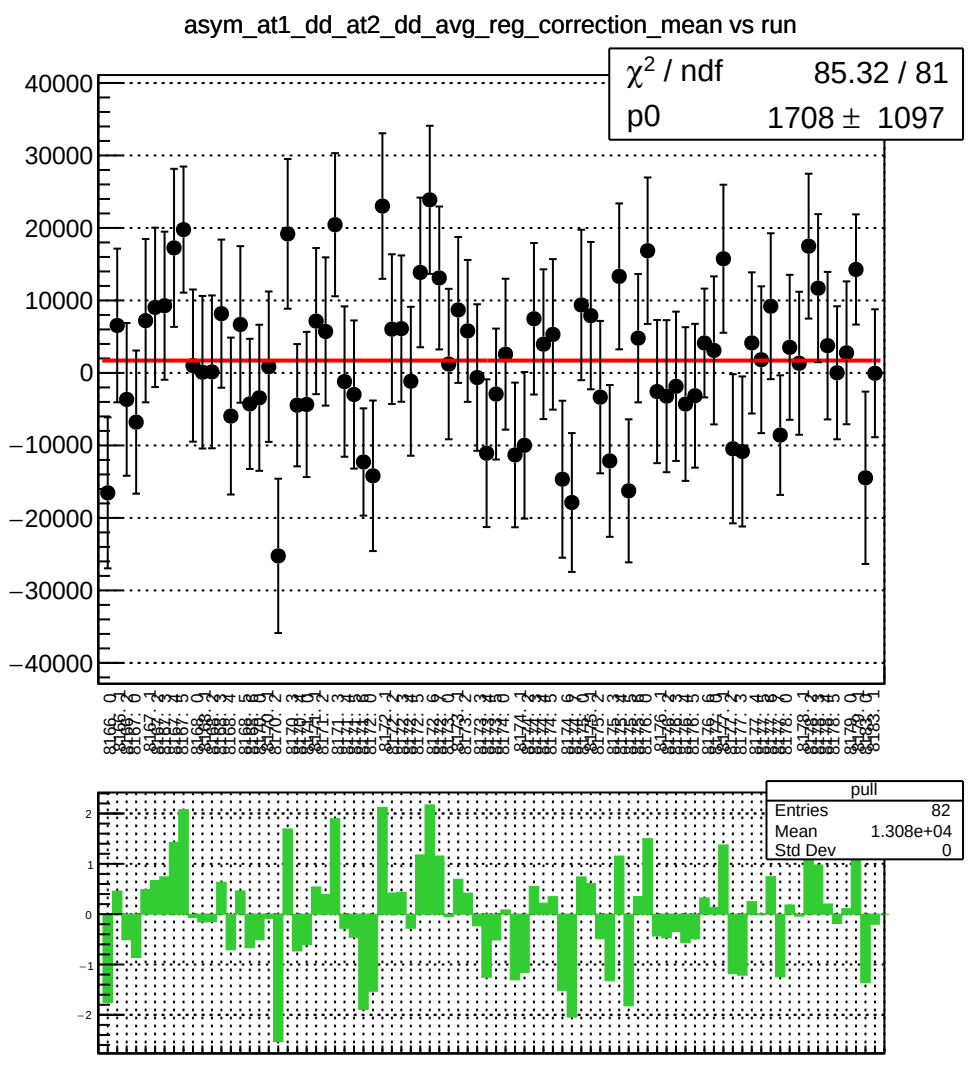

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 93.73 / 81
p0 −8.248e−14 ± 6.686e−14
pull
Entries 82
Mean 67.35
Std Dev 64.97
pull1D
Entries 82
Mean 0.01551
Std Dev 1.069

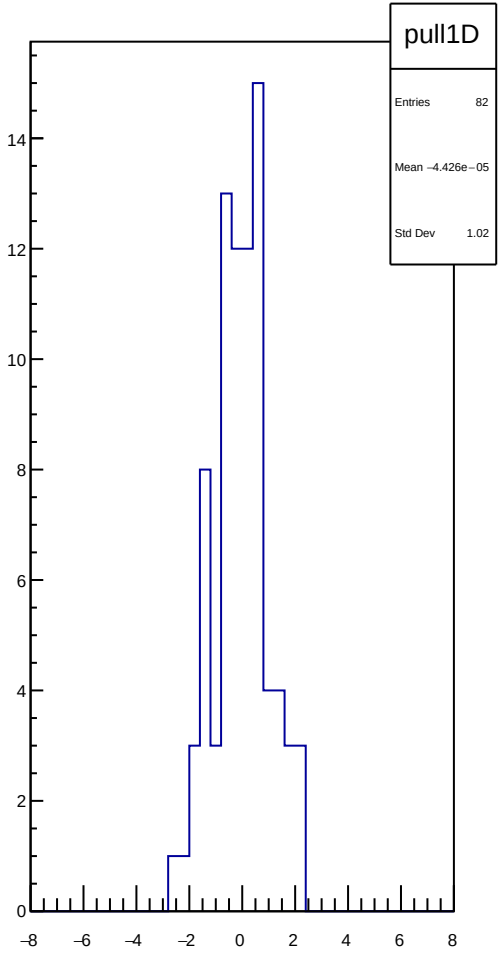

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.338e+05 / 81
p0 4.092e−11 ± 4.728e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

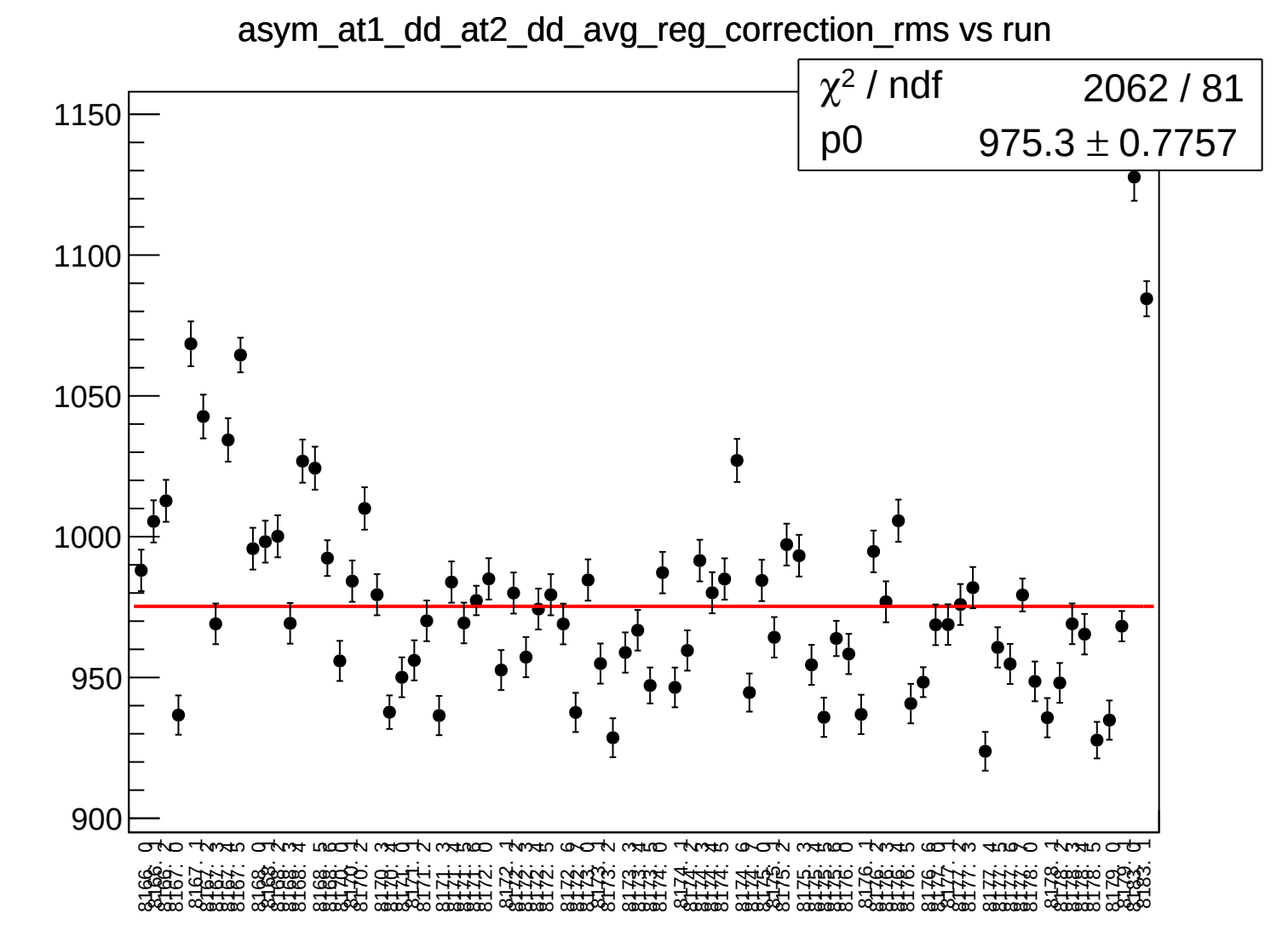

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46.56 / 81
p0 −2444 ± 1454
pull
Entries 82
Mean 355.6
Std Dev 0

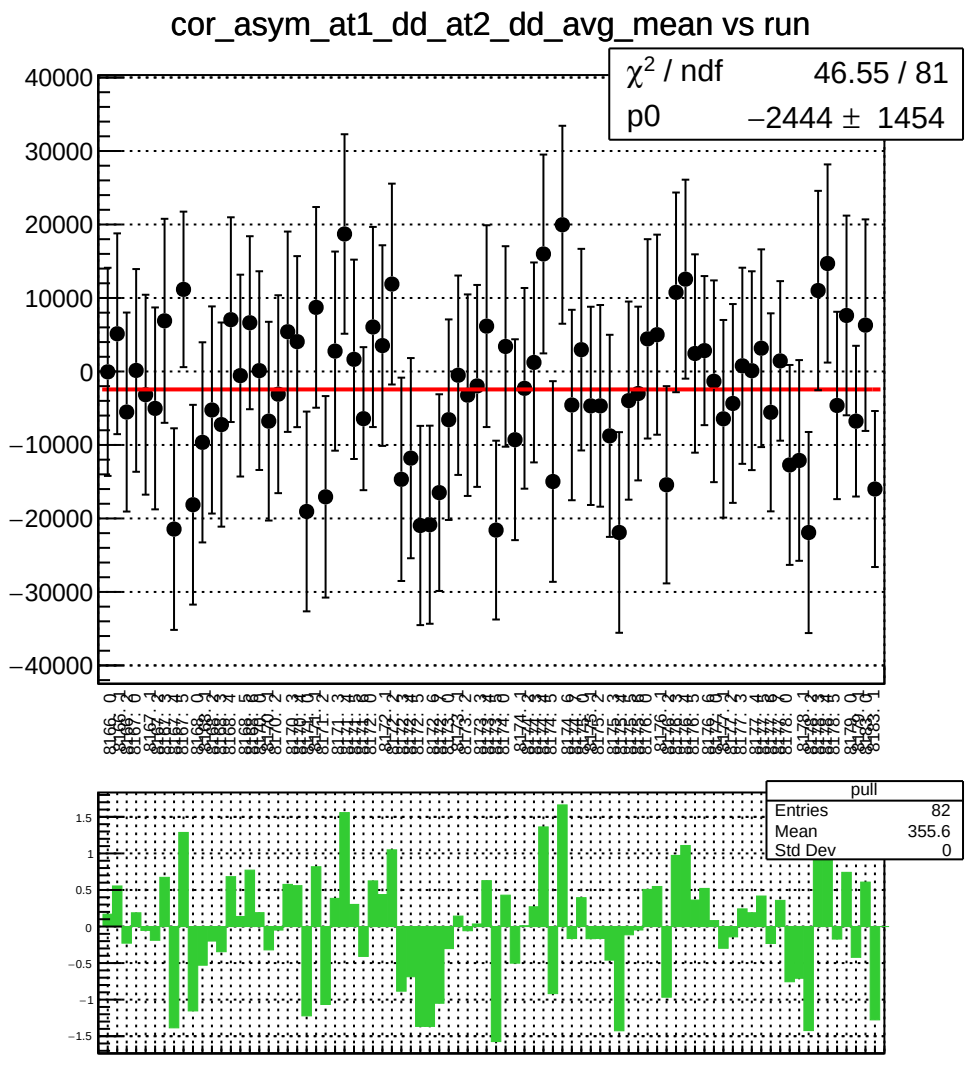

pull1D
Entries 82
Mean 0.0004124
Std Dev 0.7535

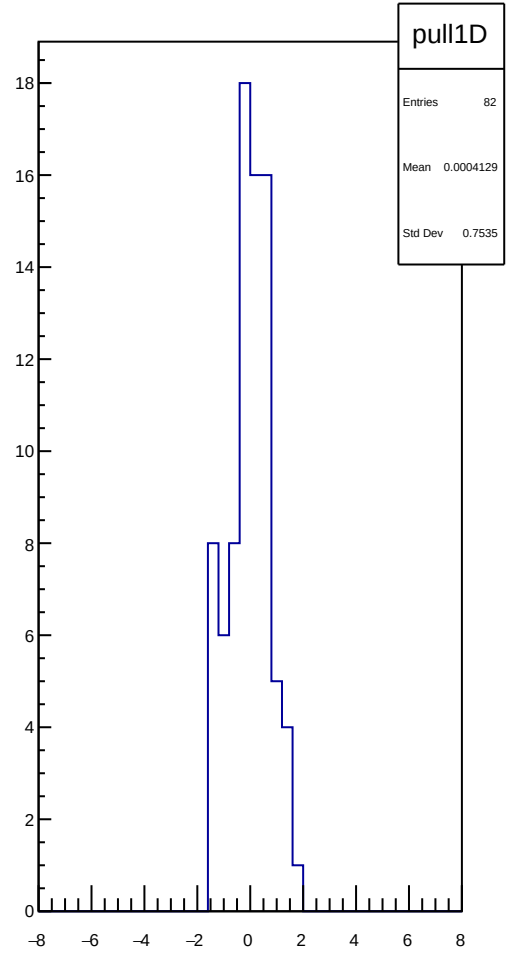

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 204.7 / 81
p0 1293 ± 1.028
1380
1360
1340
1320
1300
1280
1260

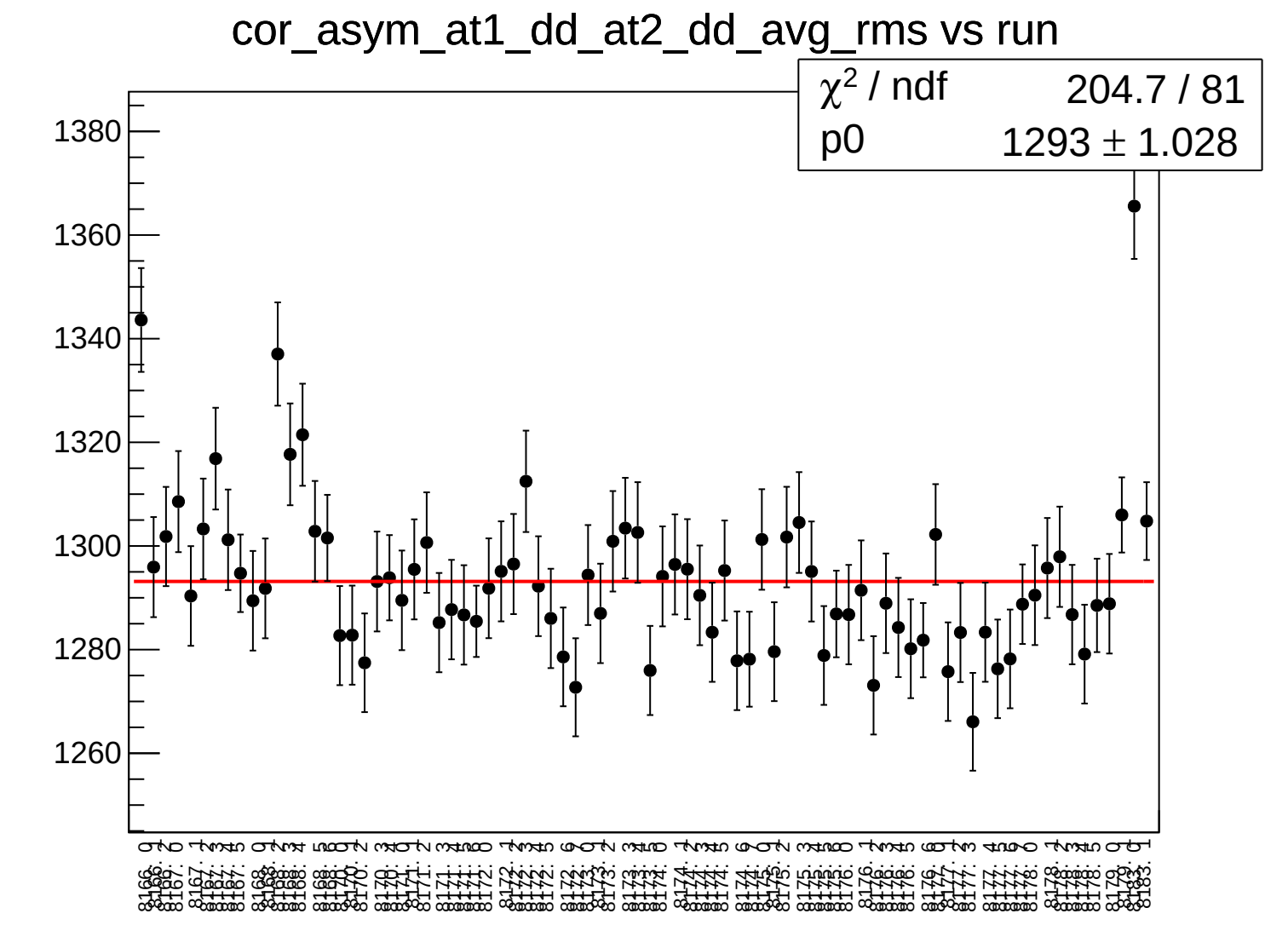

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 85.32 / 81
p0 1708 ± 1097
pull
Entries 82
Mean 1.308e+04
Std Dev 0

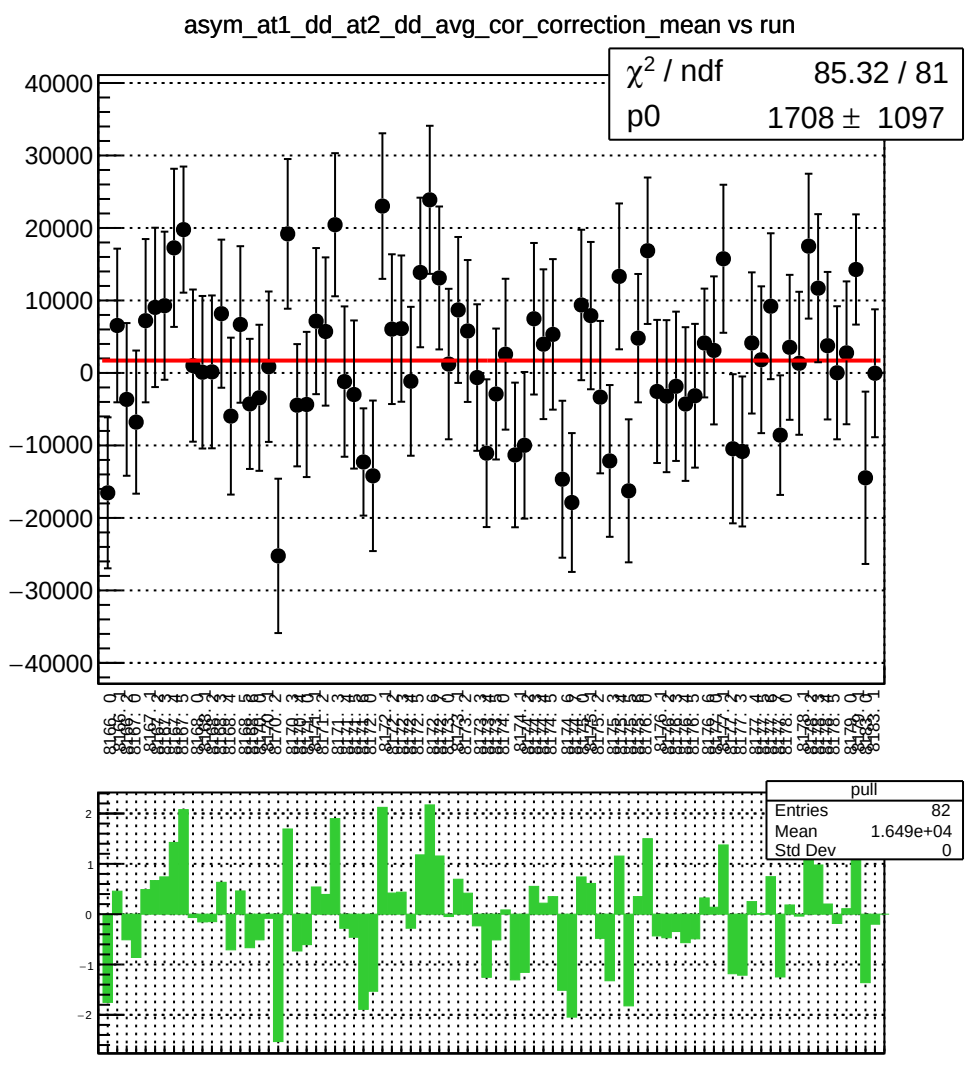

pull1D
Entries 82
Mean −4.426e−05
Std Dev 1.02

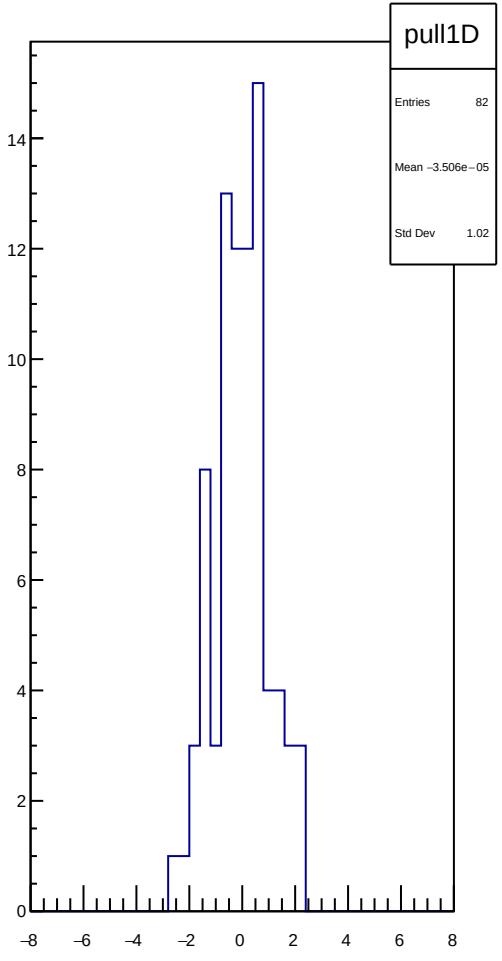

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 2062 / 81
p0 975.3 ± 0.7757
1150
1100
1050
1000
950
900

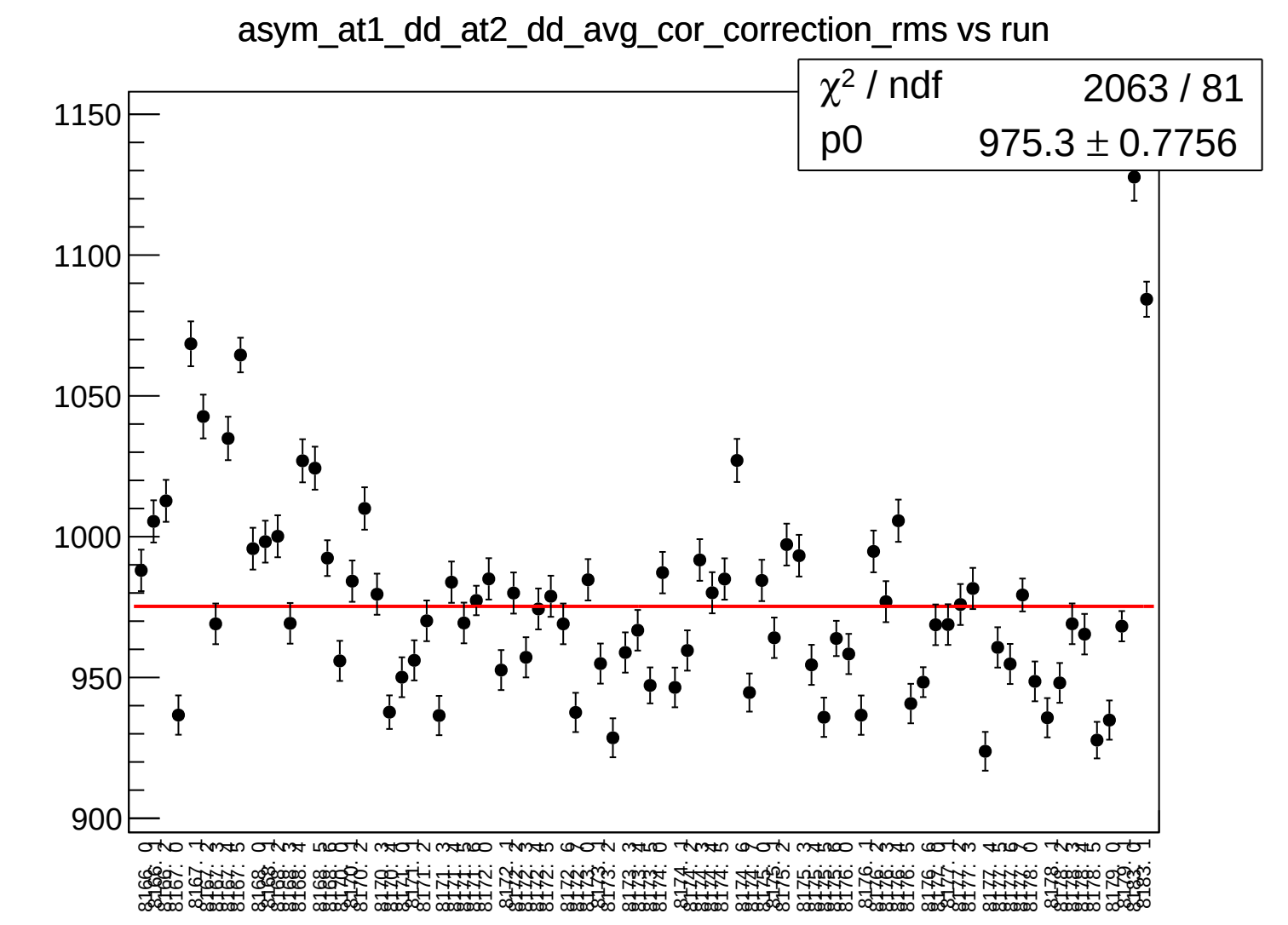

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46.55 / 81
p0 −2444 ± 1454
pull
Entries 82
Mean 355.6
Std Dev 0

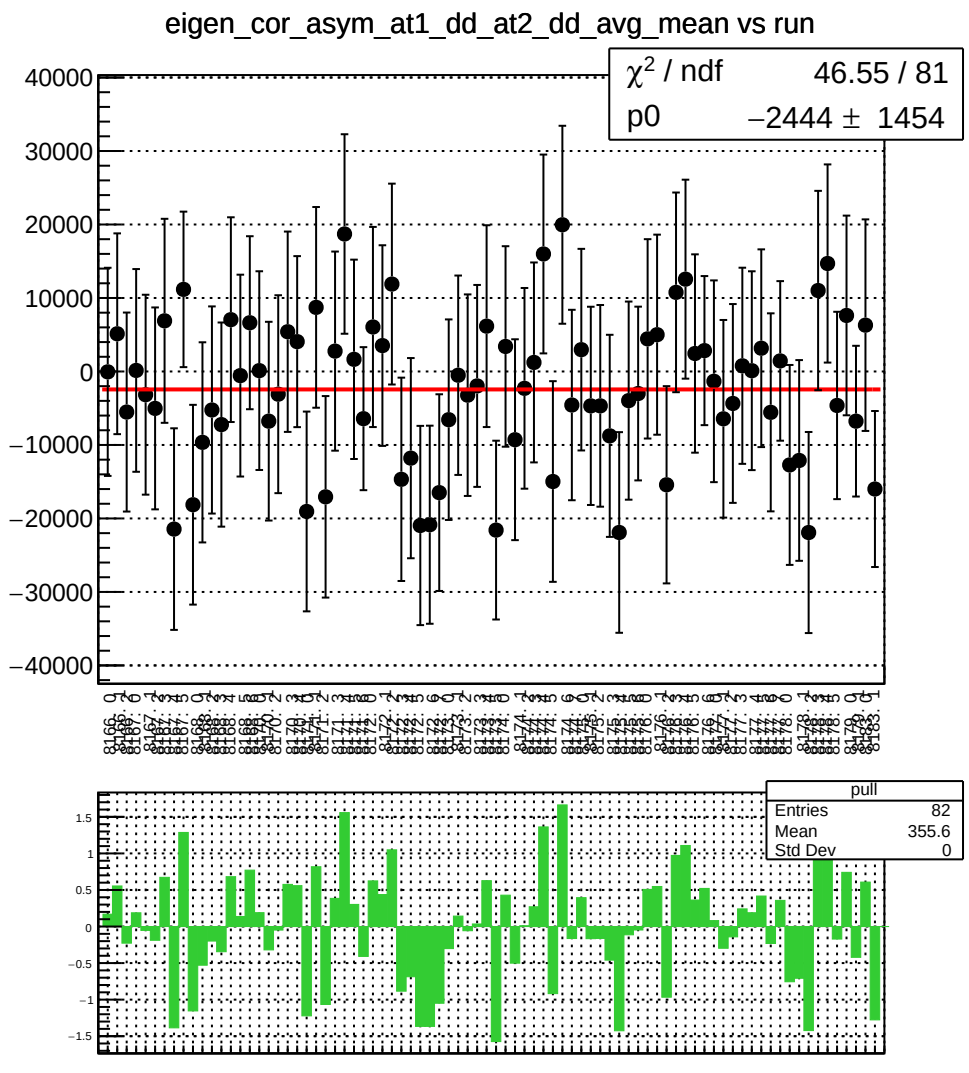

pull1D
Entries 82
Mean 0.0004129
Std Dev 0.7535

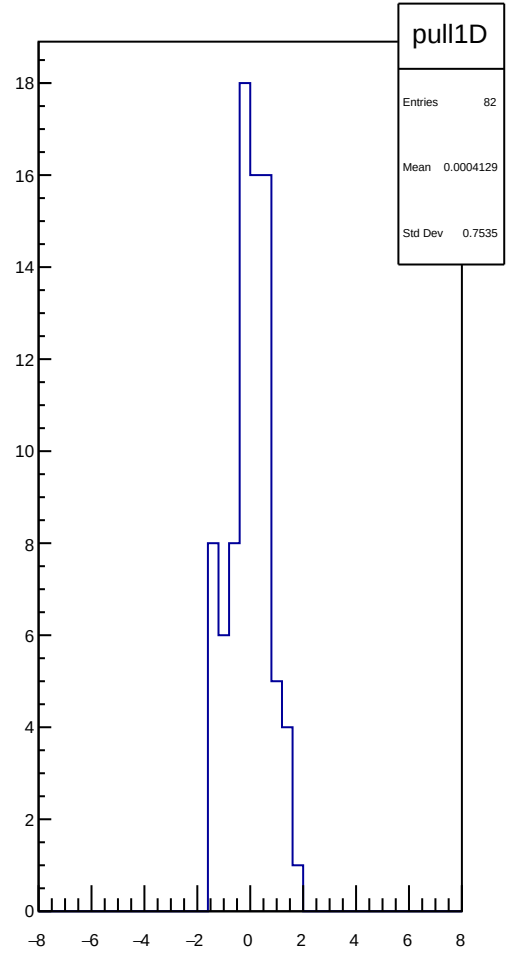

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 204.7 / 81
p0 1293 ± 1.028
1380
1360
1340
1320
1300
1280
1260

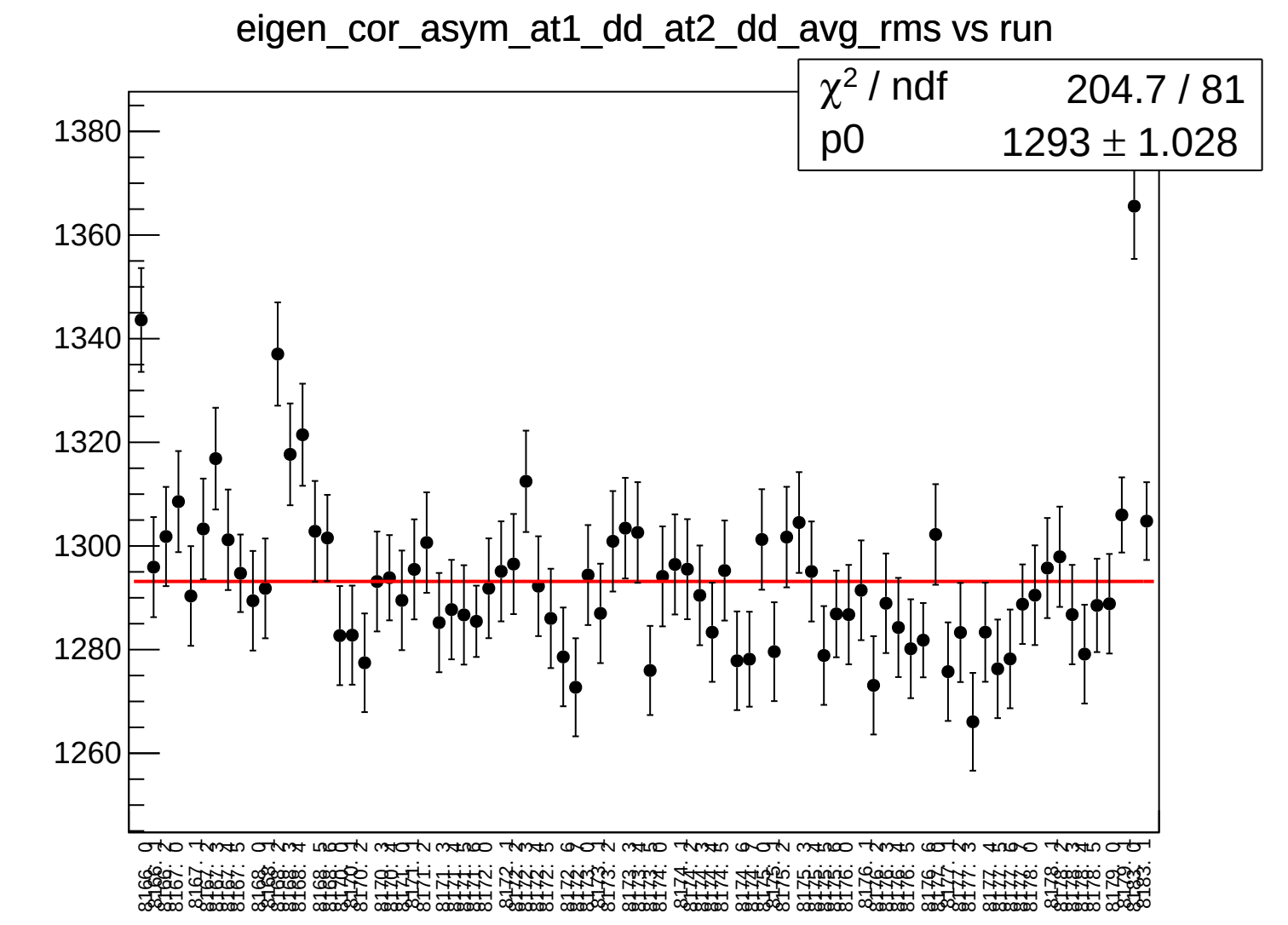

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 85.32 / 81
p0 1708 ± 1097
pull
Entries 82
Mean 1.649e+04
Std Dev 0

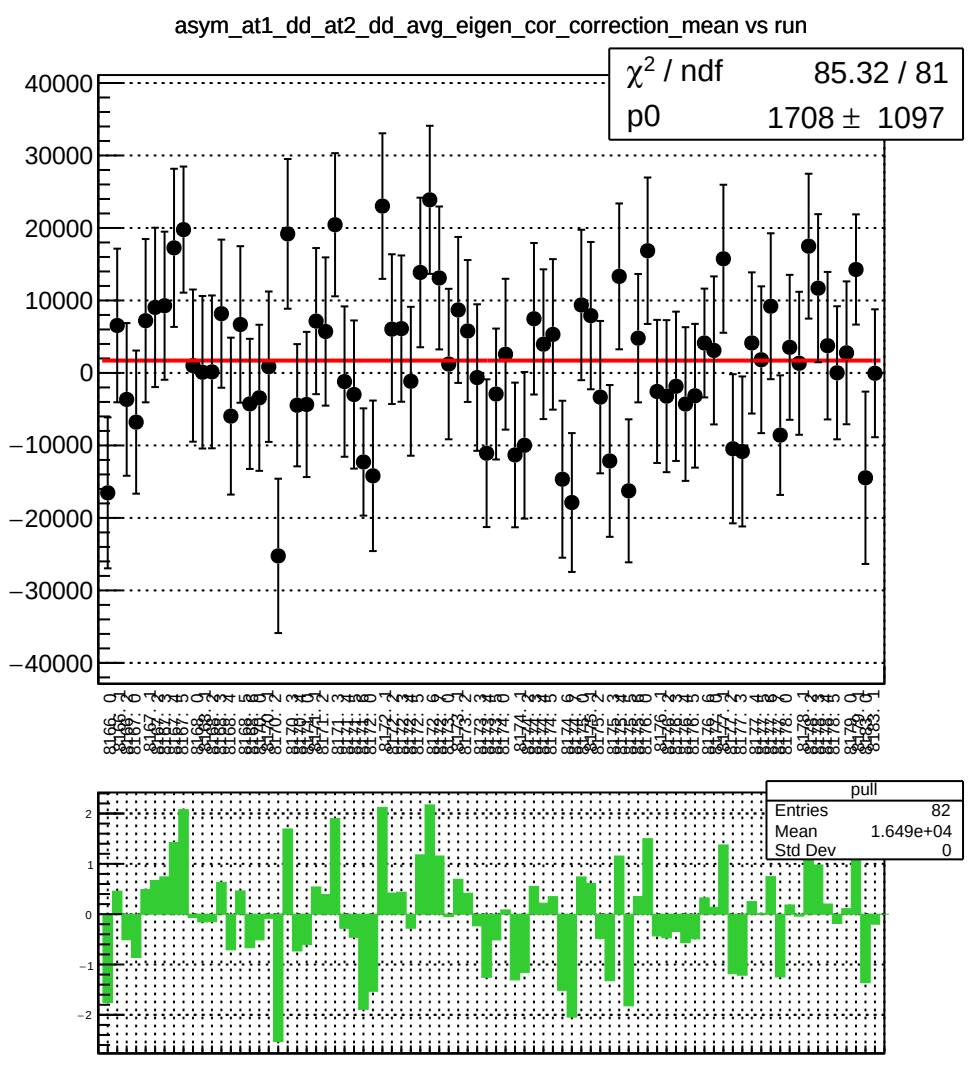

pull1D
Entries 82
Mean −3.506e−05
Std Dev 1.02

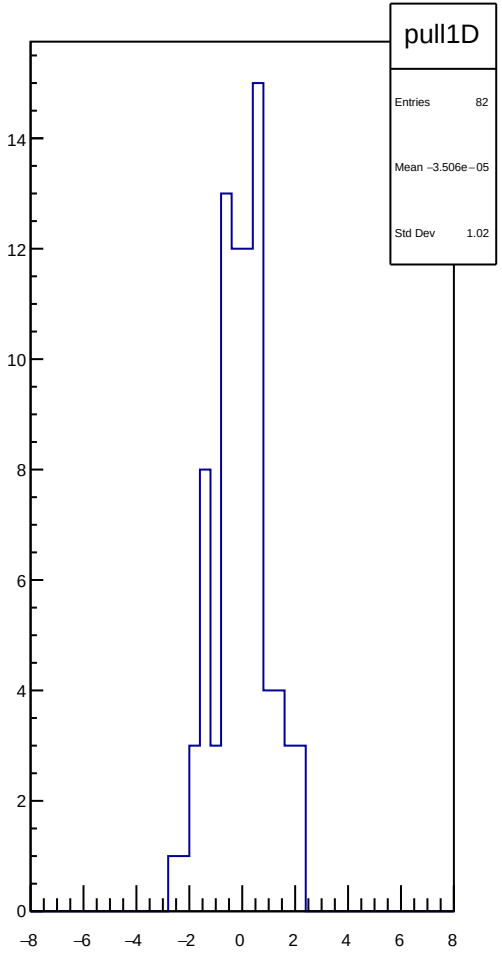

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2063 / 81
p0 975.3 ± 0.7756
1150
1100
1050
1000
950
900

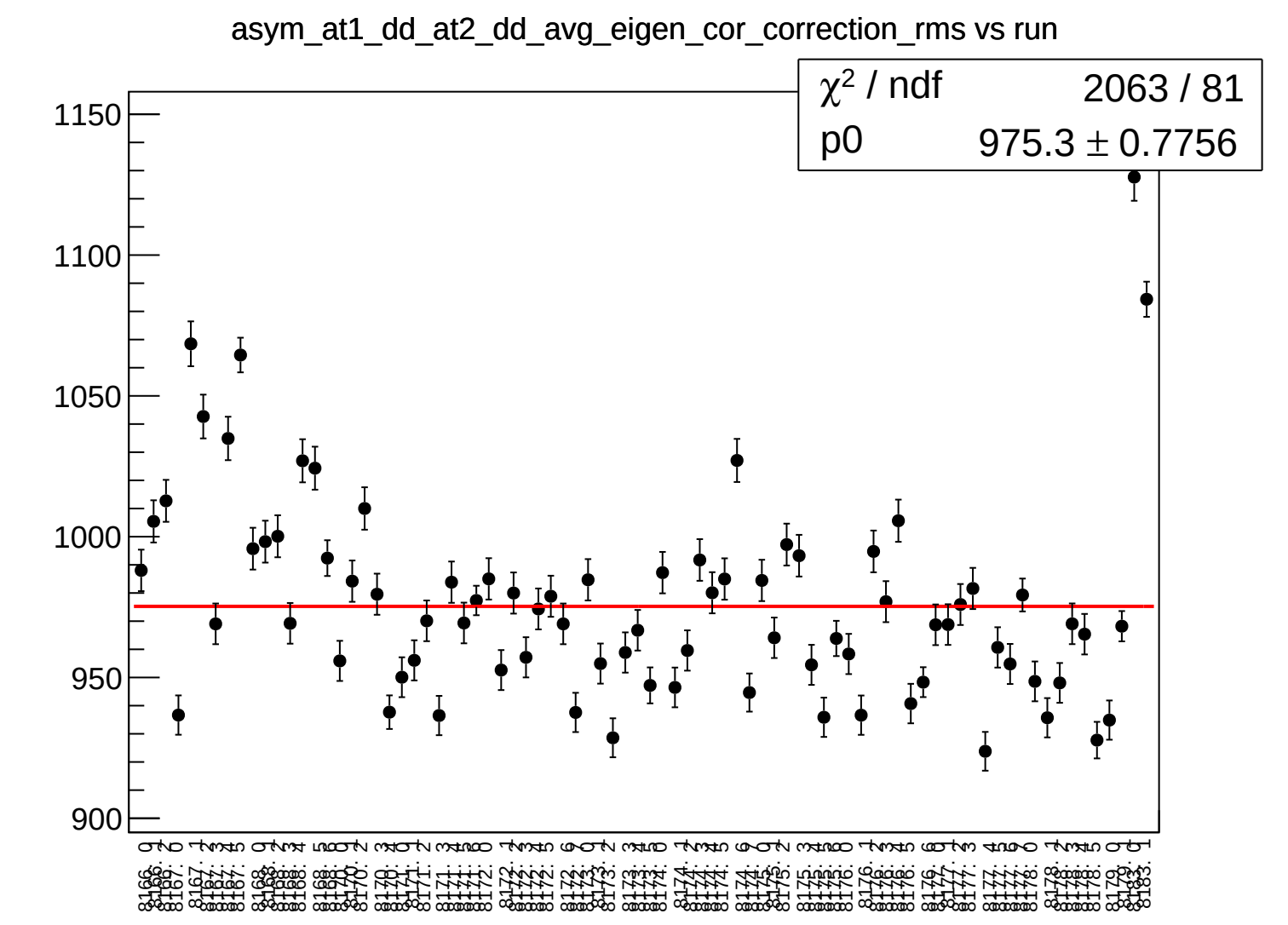

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46.55 / 81
p0 −2444 ± 1454
pull
Entries 82
Mean 355.6
Std Dev 0

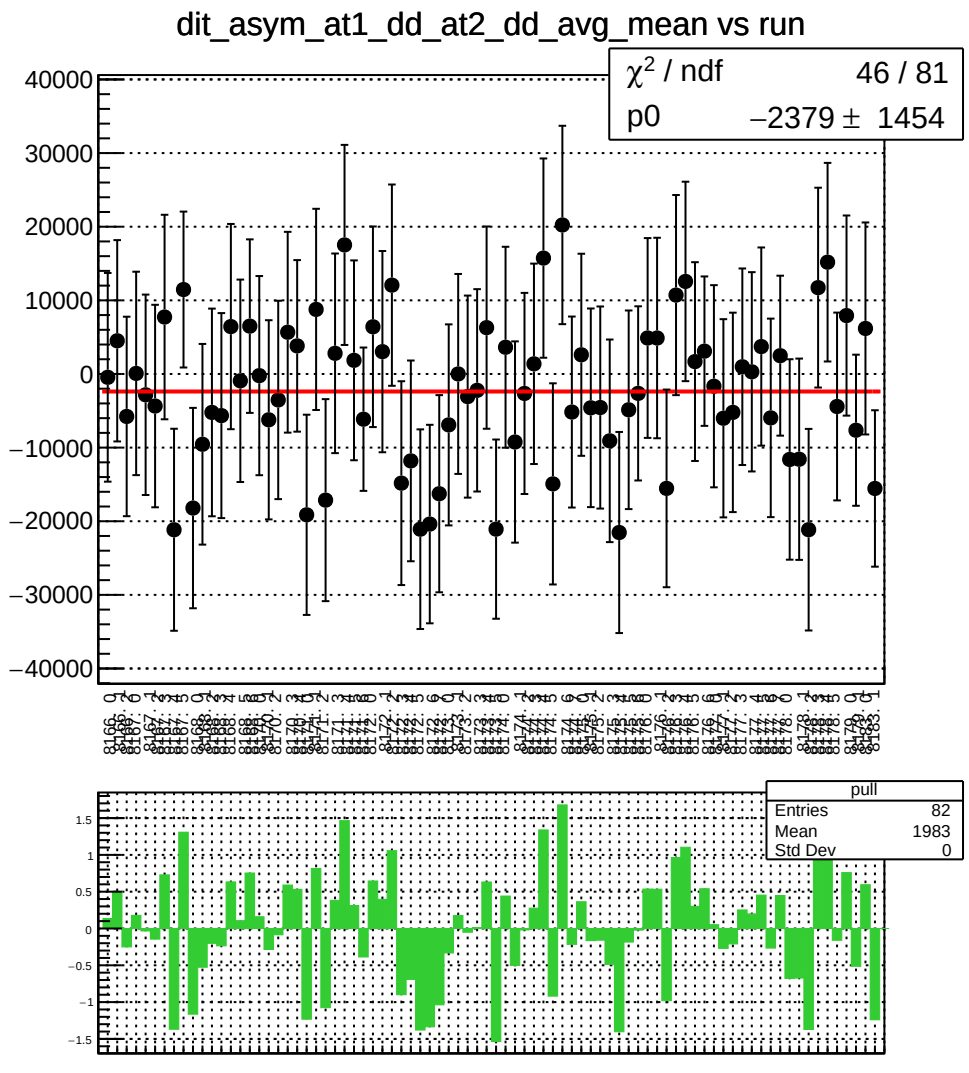

pull1D
Entries 82
Mean 0.0004129
Std Dev 0.7535

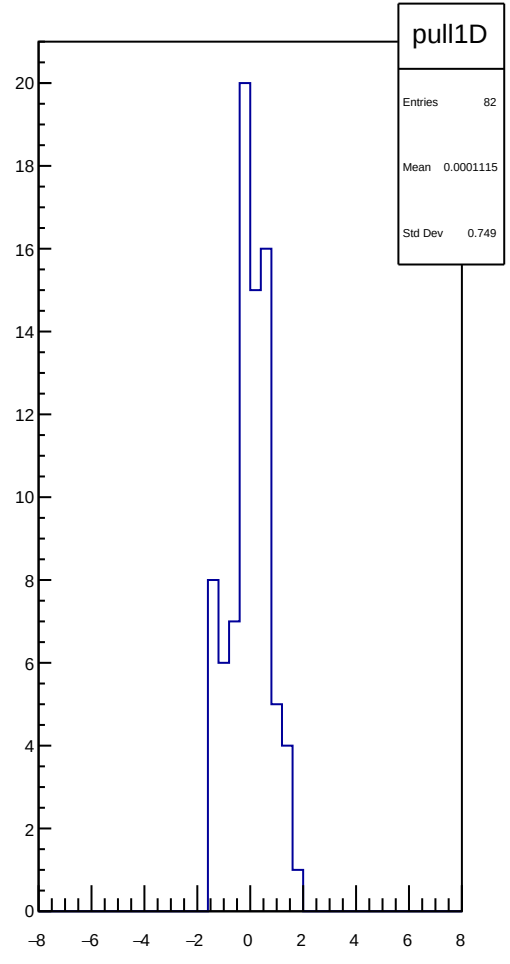

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 204.7 / 81
p0 1293 ± 1.028
1380
1360
1340
1320
1300
1280
1260

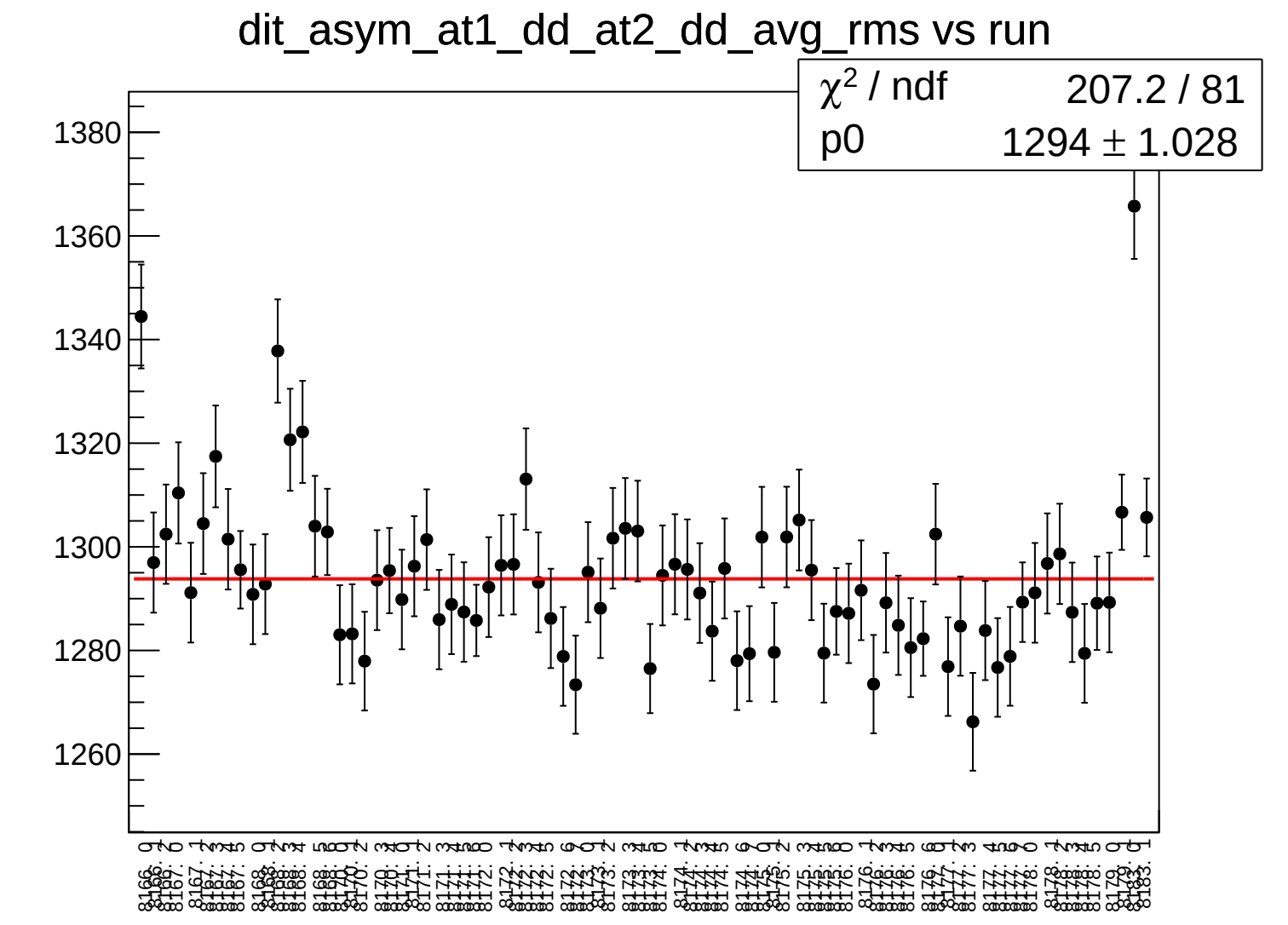

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.32 / 81
p0 1708 ± 1097
pull
Entries 82
Mean 1.649e+04
Std Dev 0

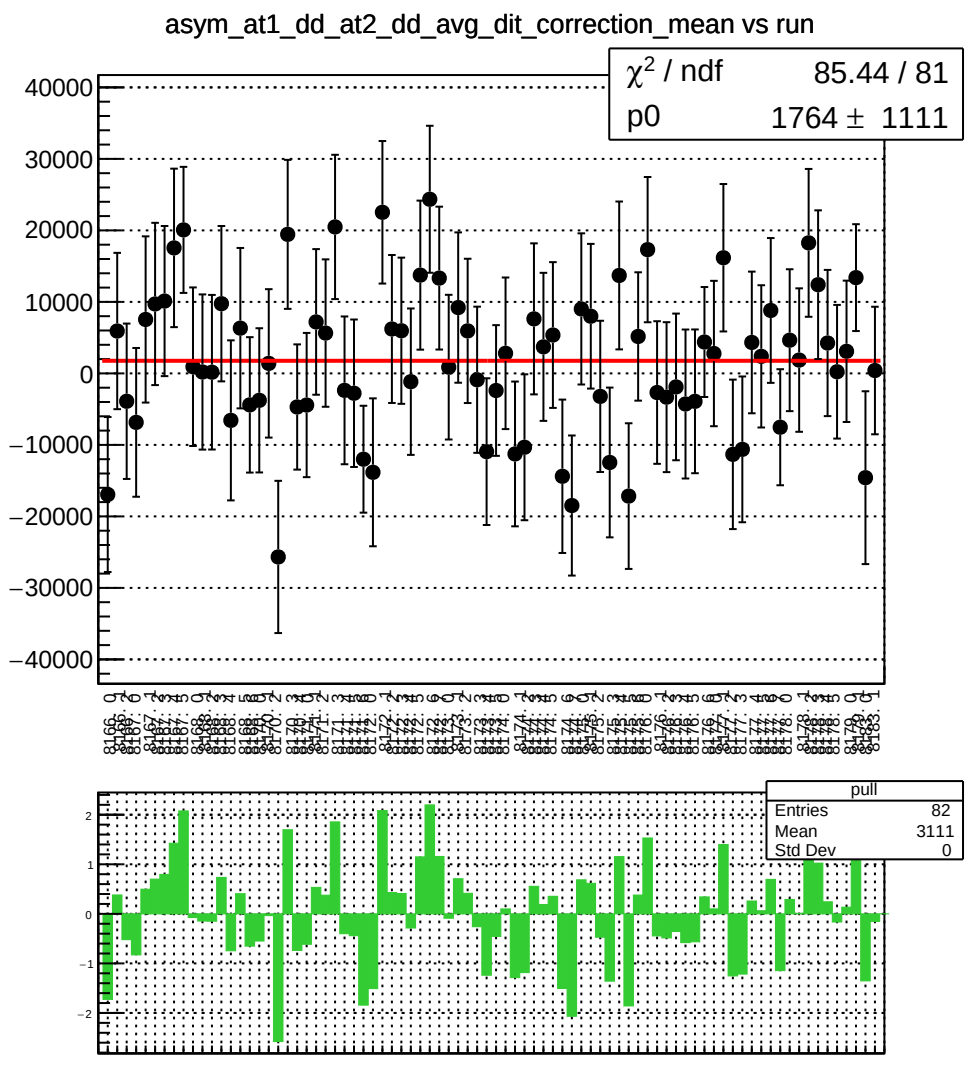

pull1D
Entries 82
Mean −3.506e−05
Std Dev 1.02

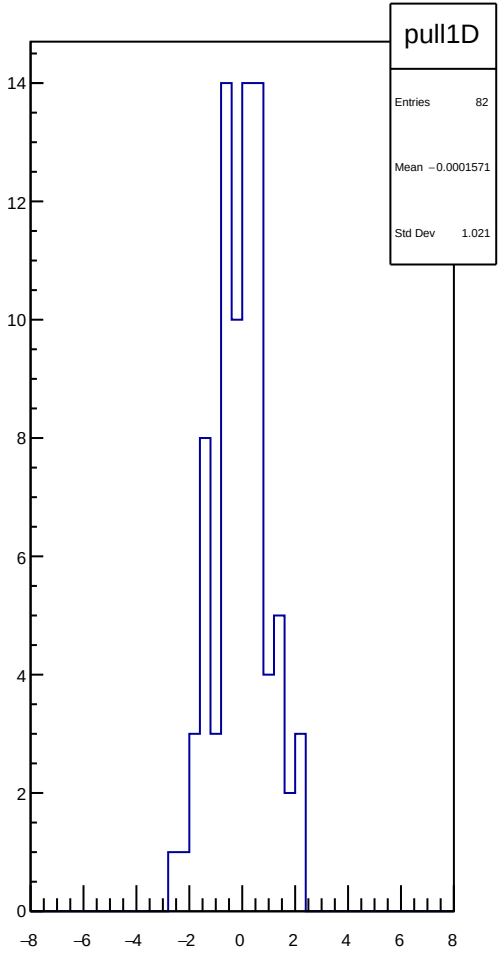

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2063 / 81
p0 975.3 ± 0.7756
1150
1100
1050
1000
950
900

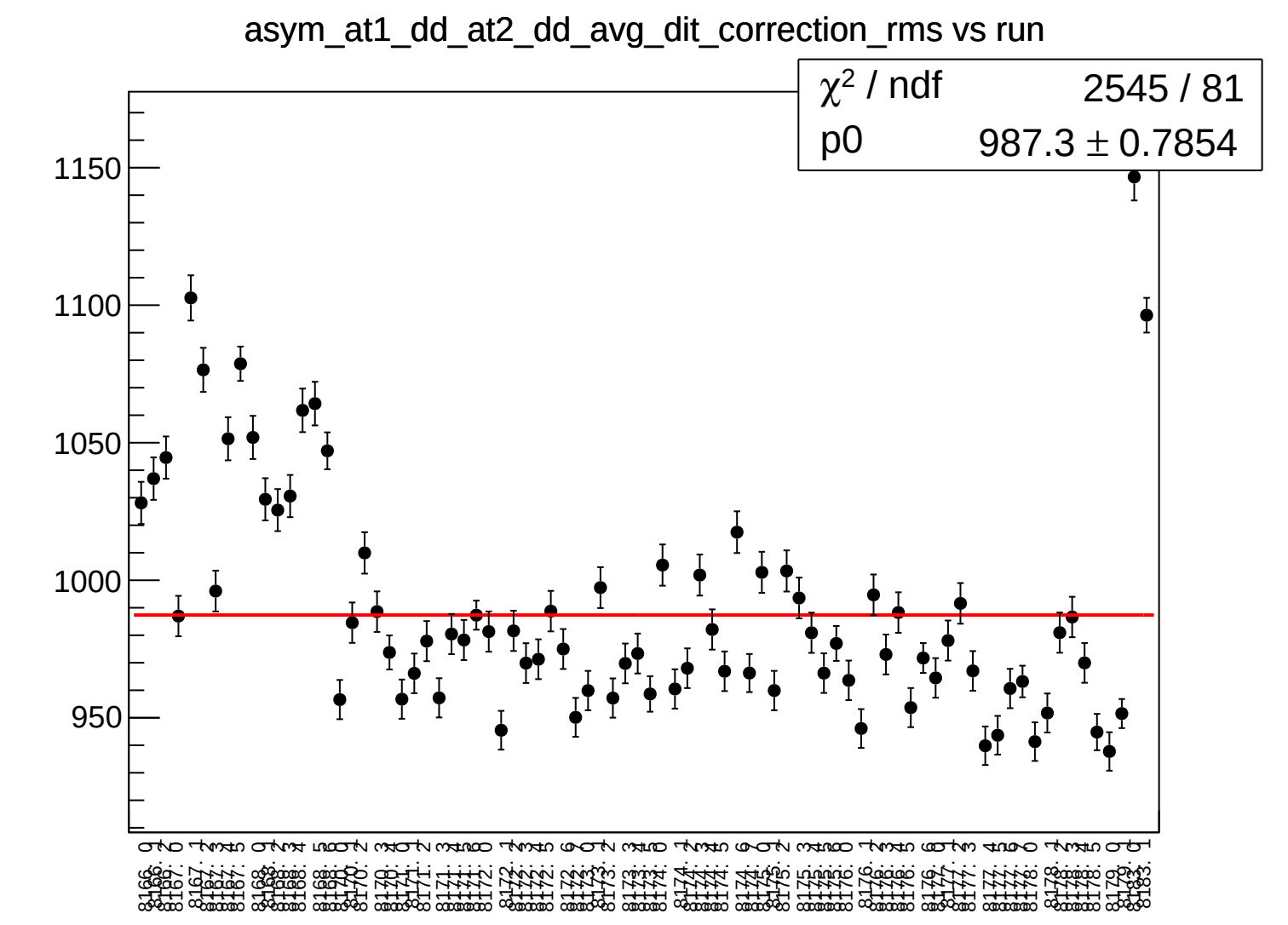

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46 / 81
p0 −2379 ± 1454
pull
Entries 82
Mean 1983
Std Dev 0

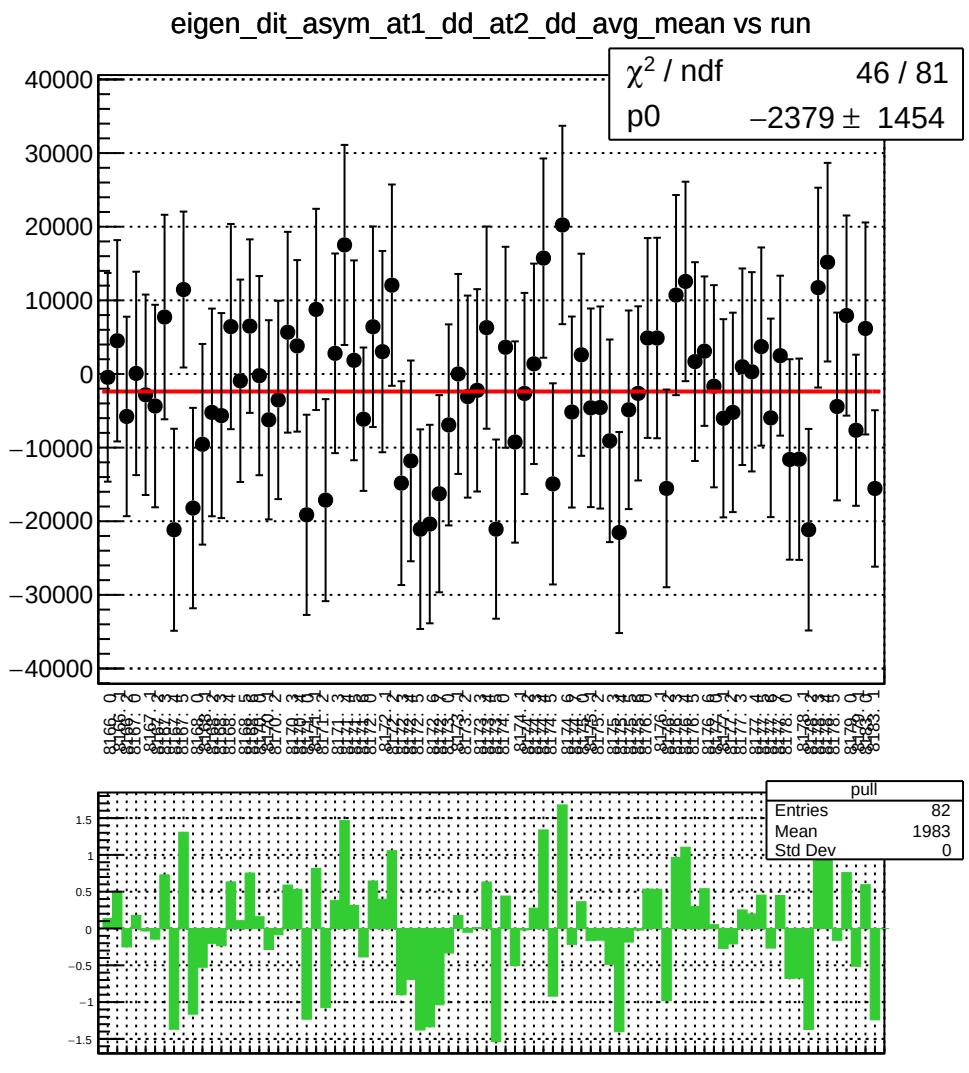

pull1D
Entries 82
Mean 0.0001115
Std Dev 0.749

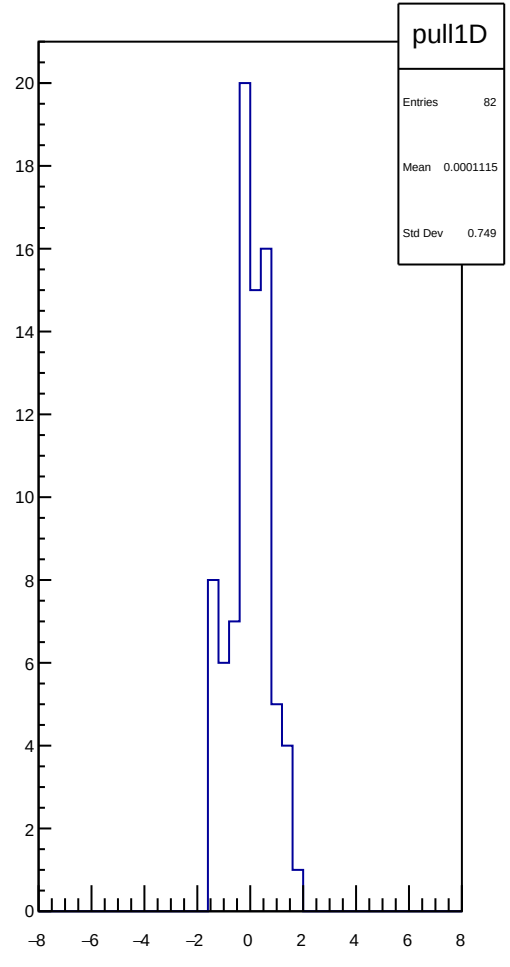

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 207.2 / 81
p0 1294 ± 1.028
1380
1360
1340
1320
1300
1280
1260

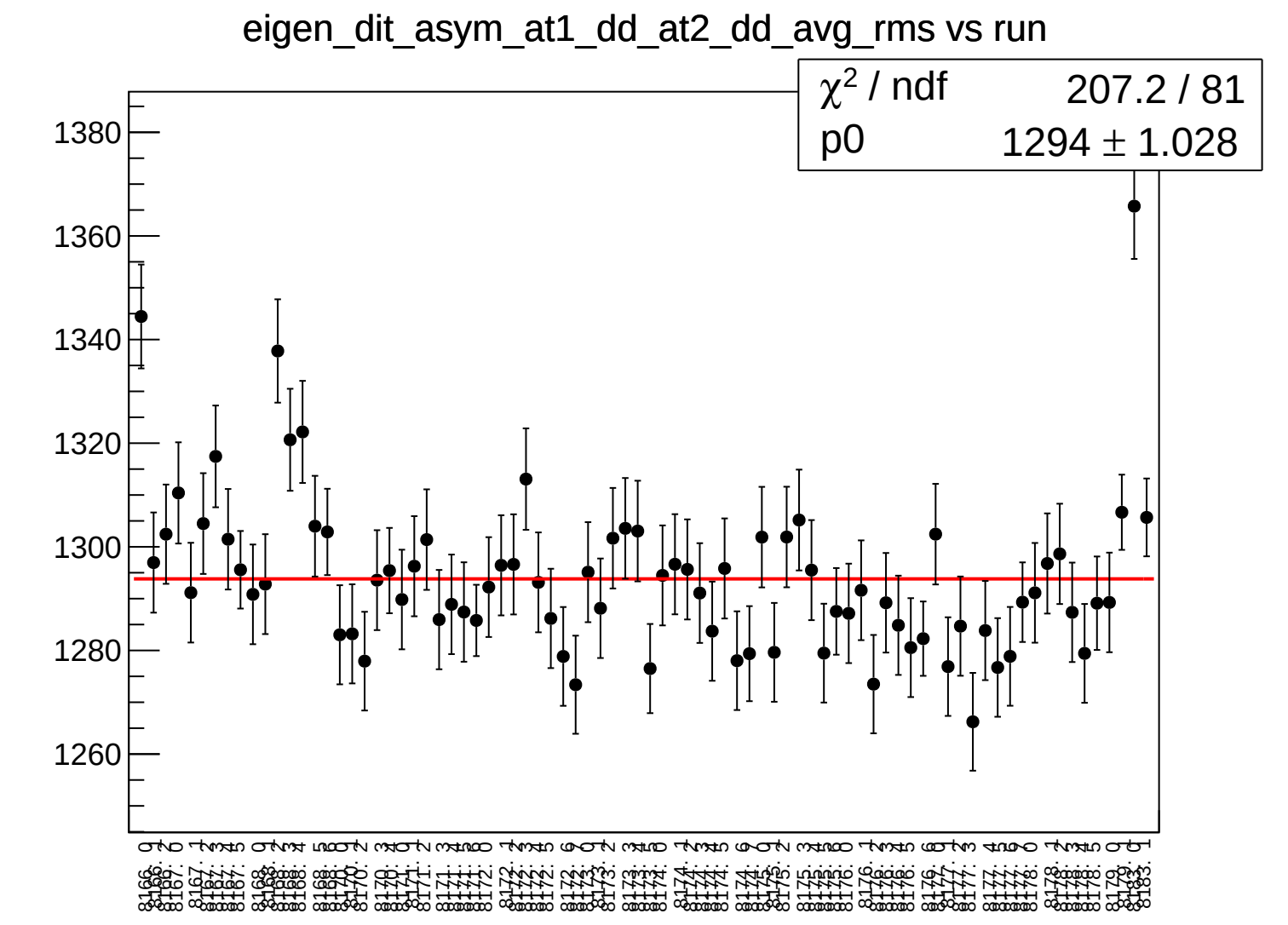

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 85.44 / 81
p0 1764 ± 1111
pull
Entries 82
Mean 3111
Std Dev 0

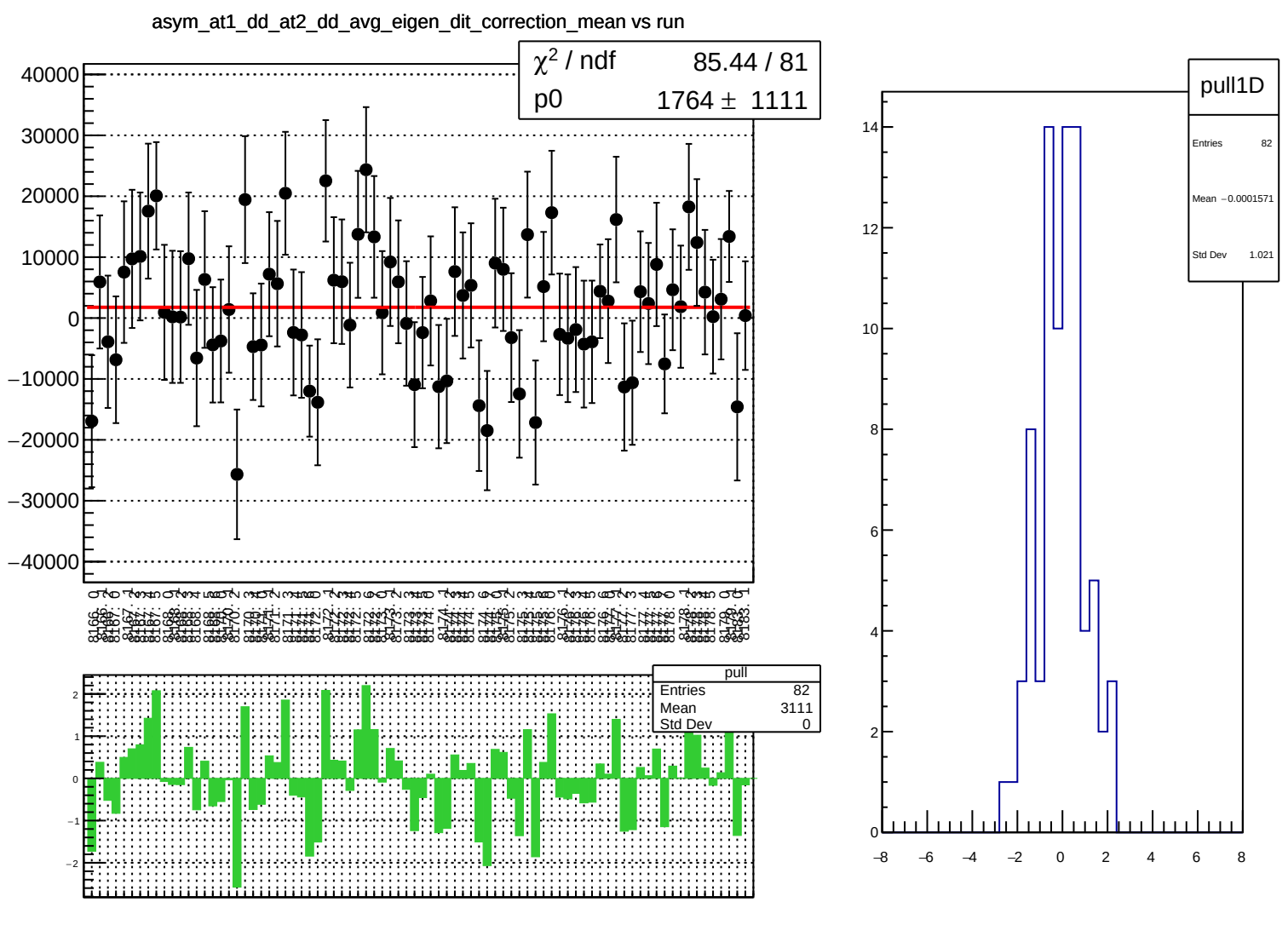

pull1D
Entries 82
Mean −0.0001571
Std Dev 1.021

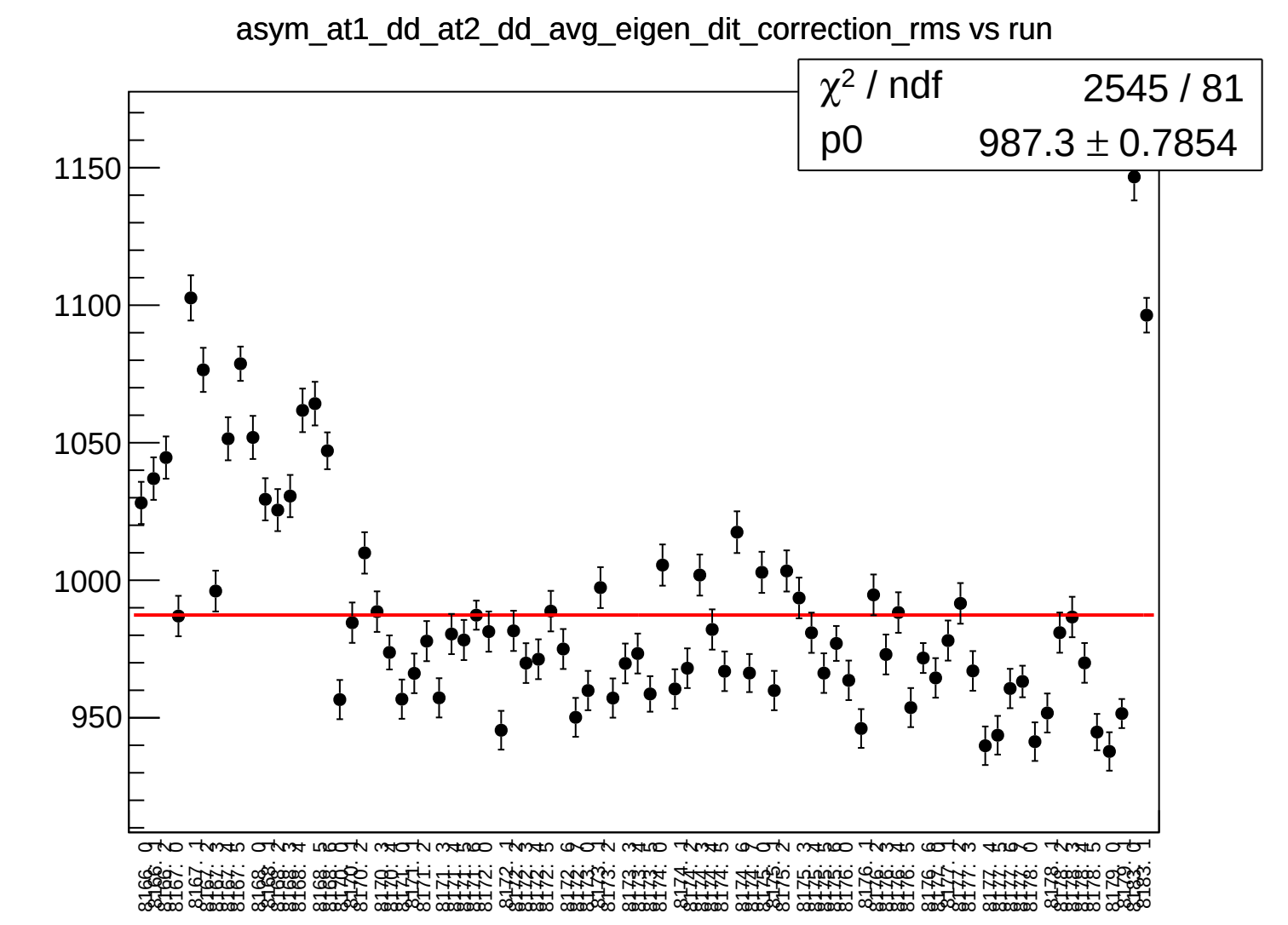

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 2545 / 81
p0 987.3 ± 0.7854
1150
1100
1050
1000
950

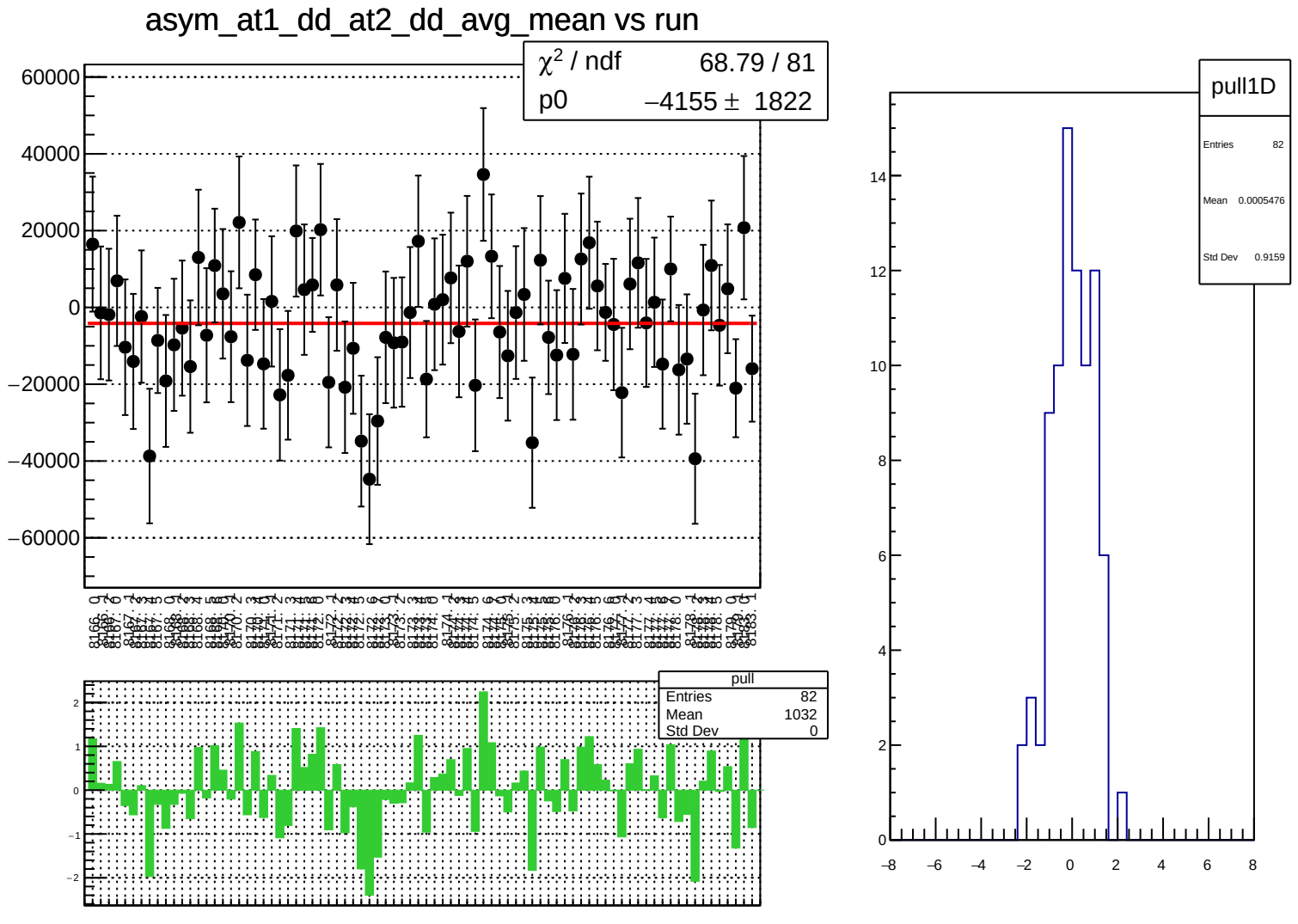

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 46 / 81
p0 −2379 ± 1454
pull
Entries 82
Mean 1983
Std Dev 0

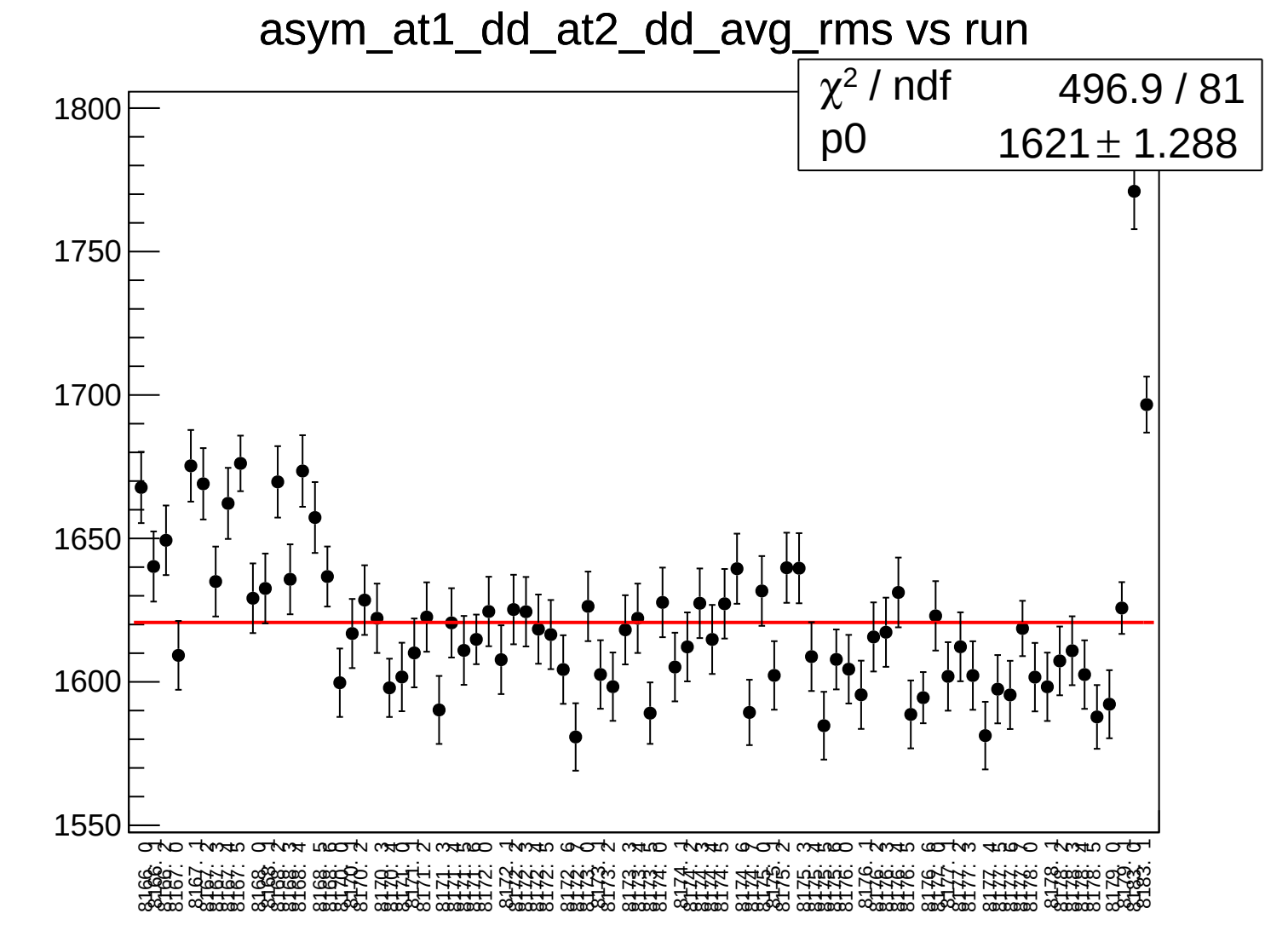

pull1D
Entries 82
Mean 0.0001115
Std Dev 0.749

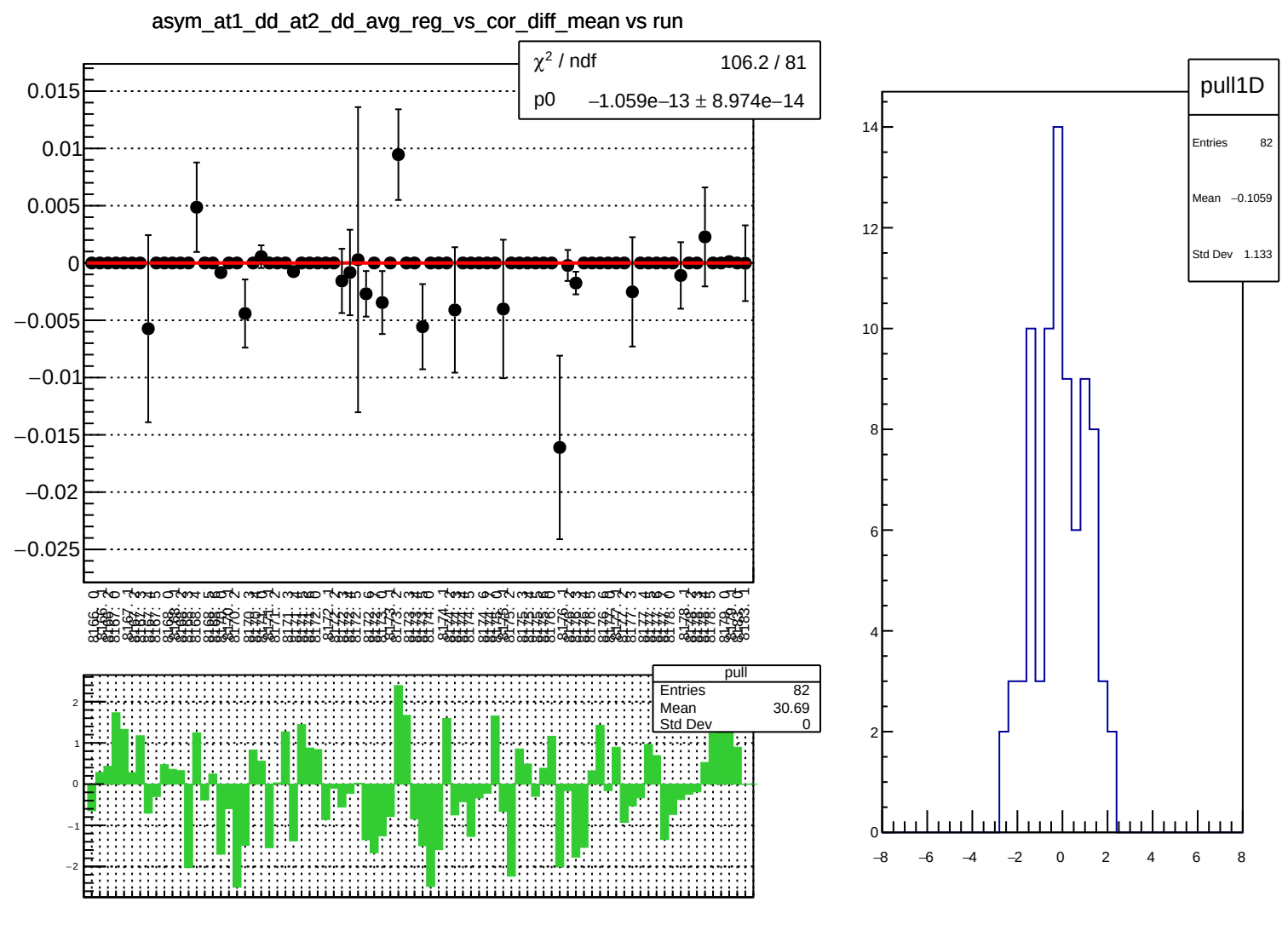

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 207.2 / 81
p0 1294 ± 1.028
1380
1360
1340
1320
1300
1280
1260

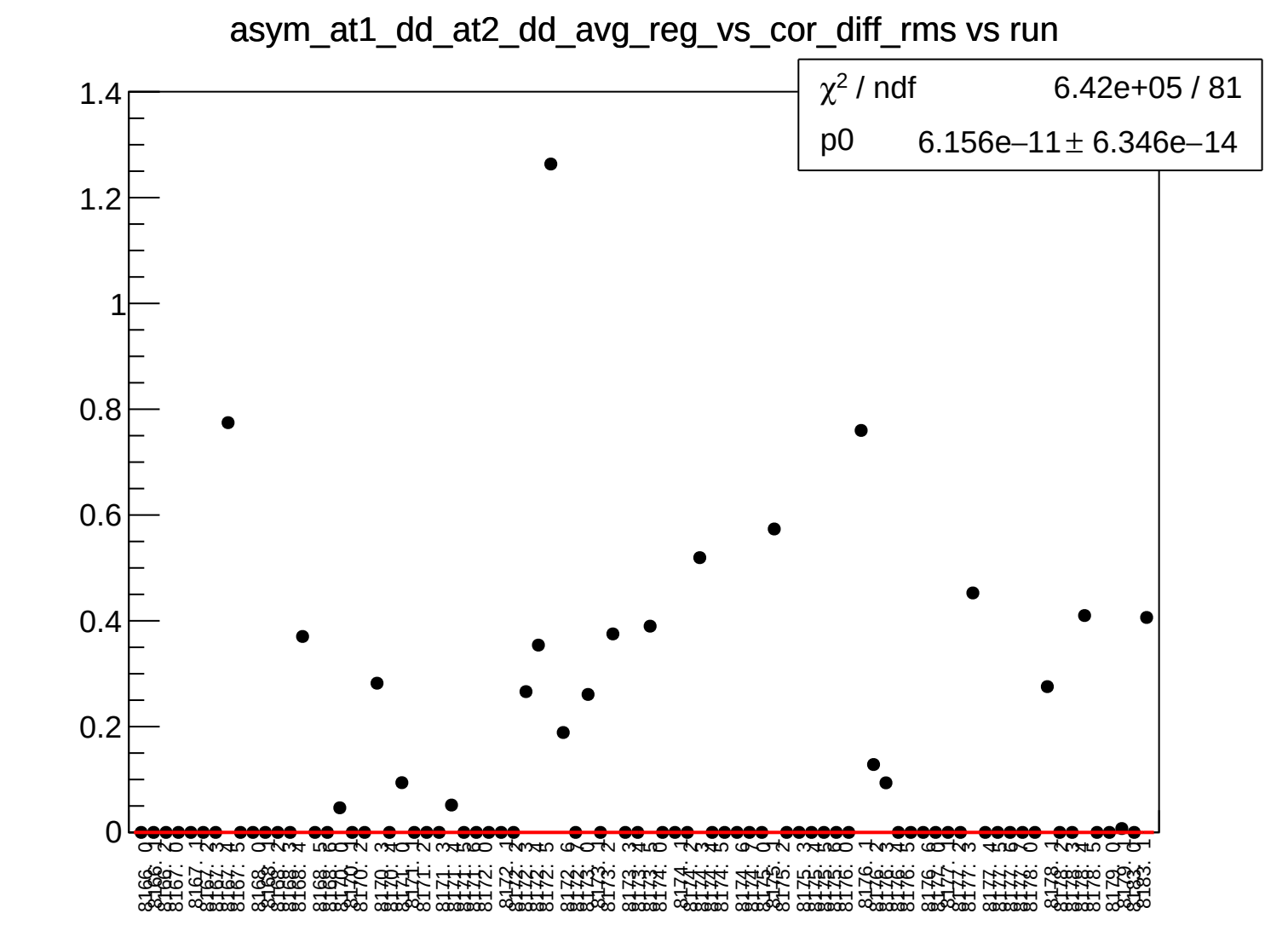

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.44 / 81
p0 1764 ± 1111
pull
Entries 82
Mean 3111
Std Dev 0
pull1D
Entries 82
Mean −0.0001571
Std Dev 1.021

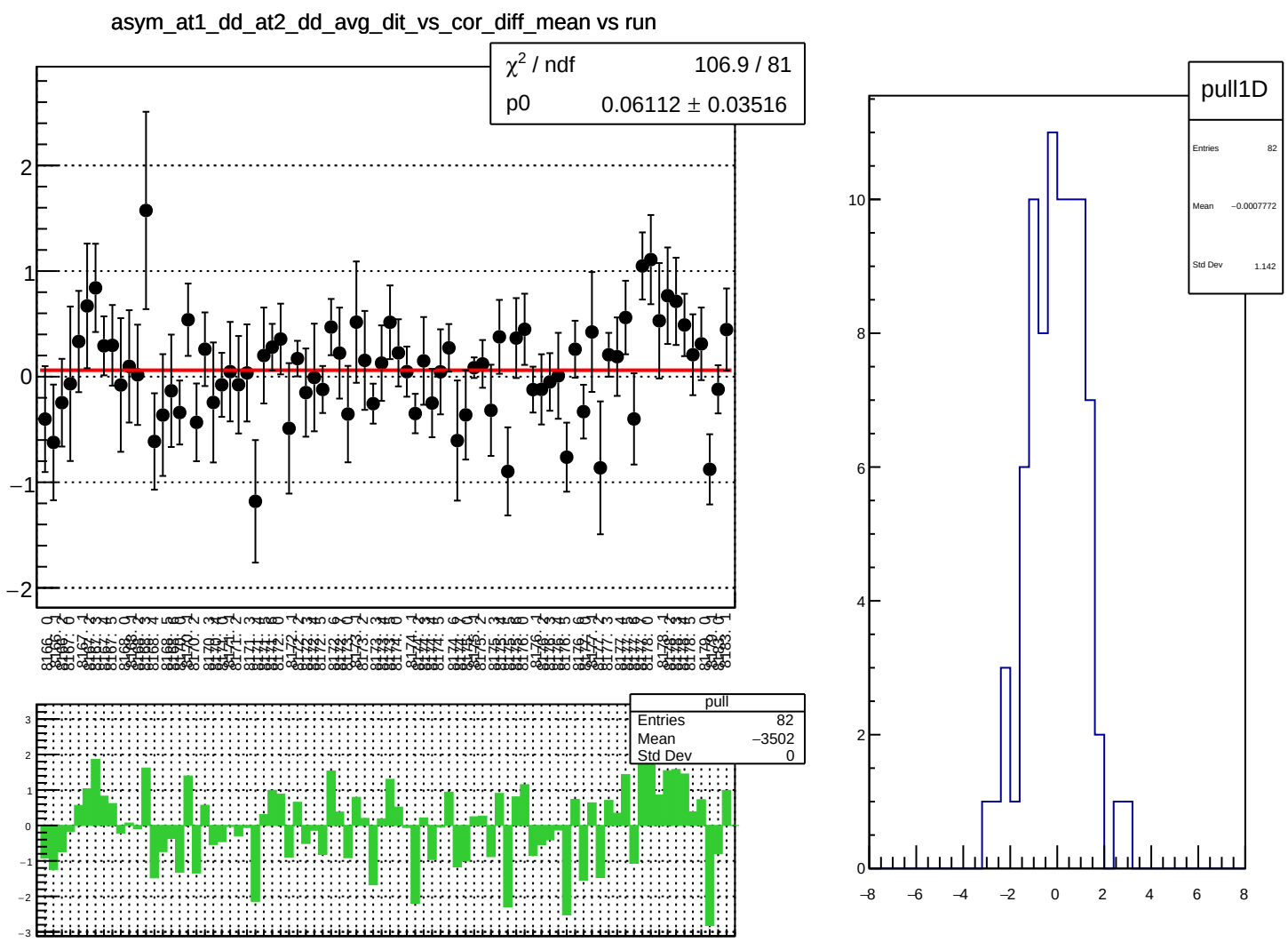

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2545 / 81
p0 987.3 ± 0.7854
1150
1100
1050
1000
950

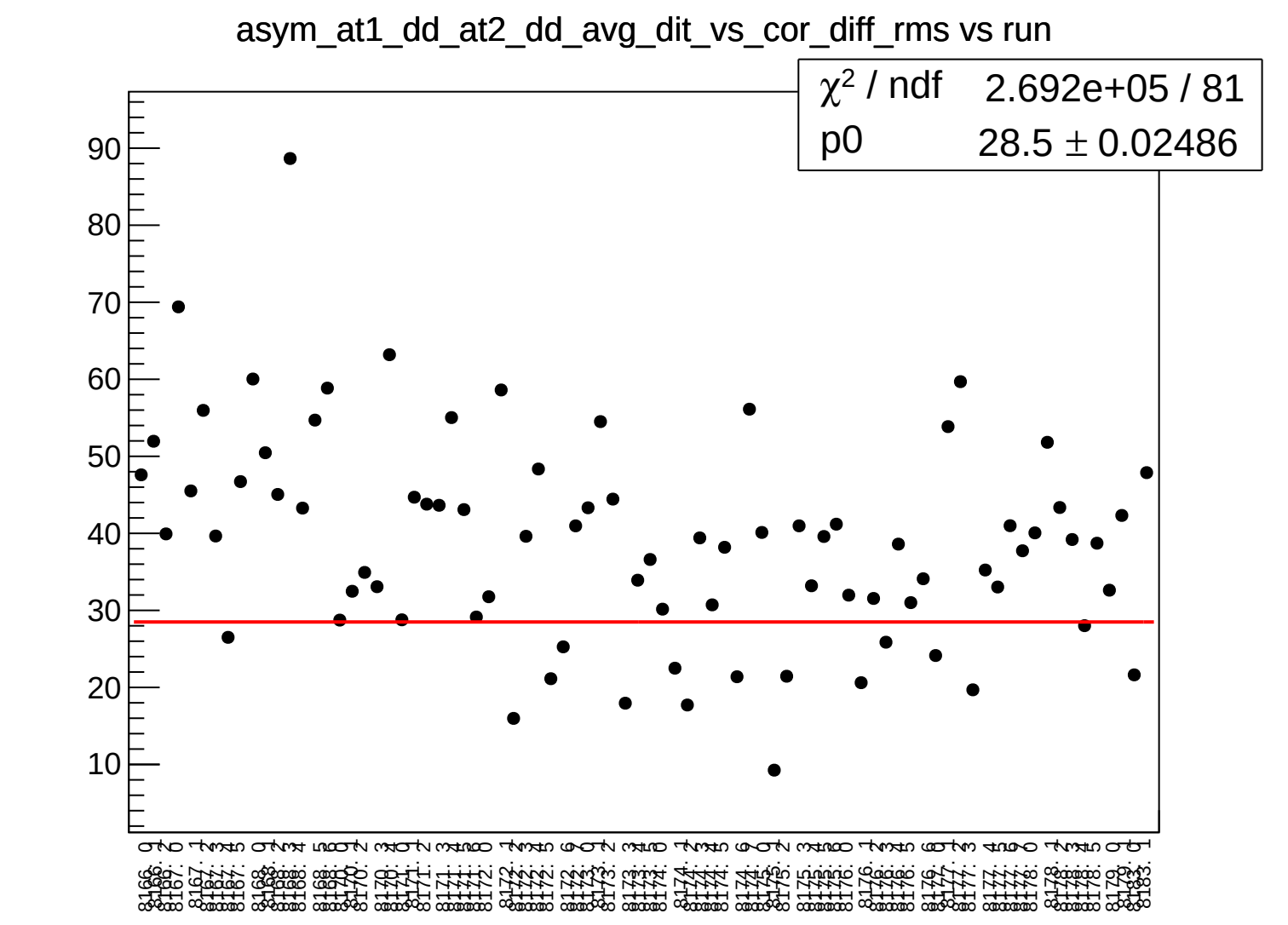

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 68.79 / 81
p0 −4155 ± 1822
pull
Entries 82
Mean 1032
Std Dev 0
pull1D
Entries 82
Mean 0.0005476
Std Dev 0.9159

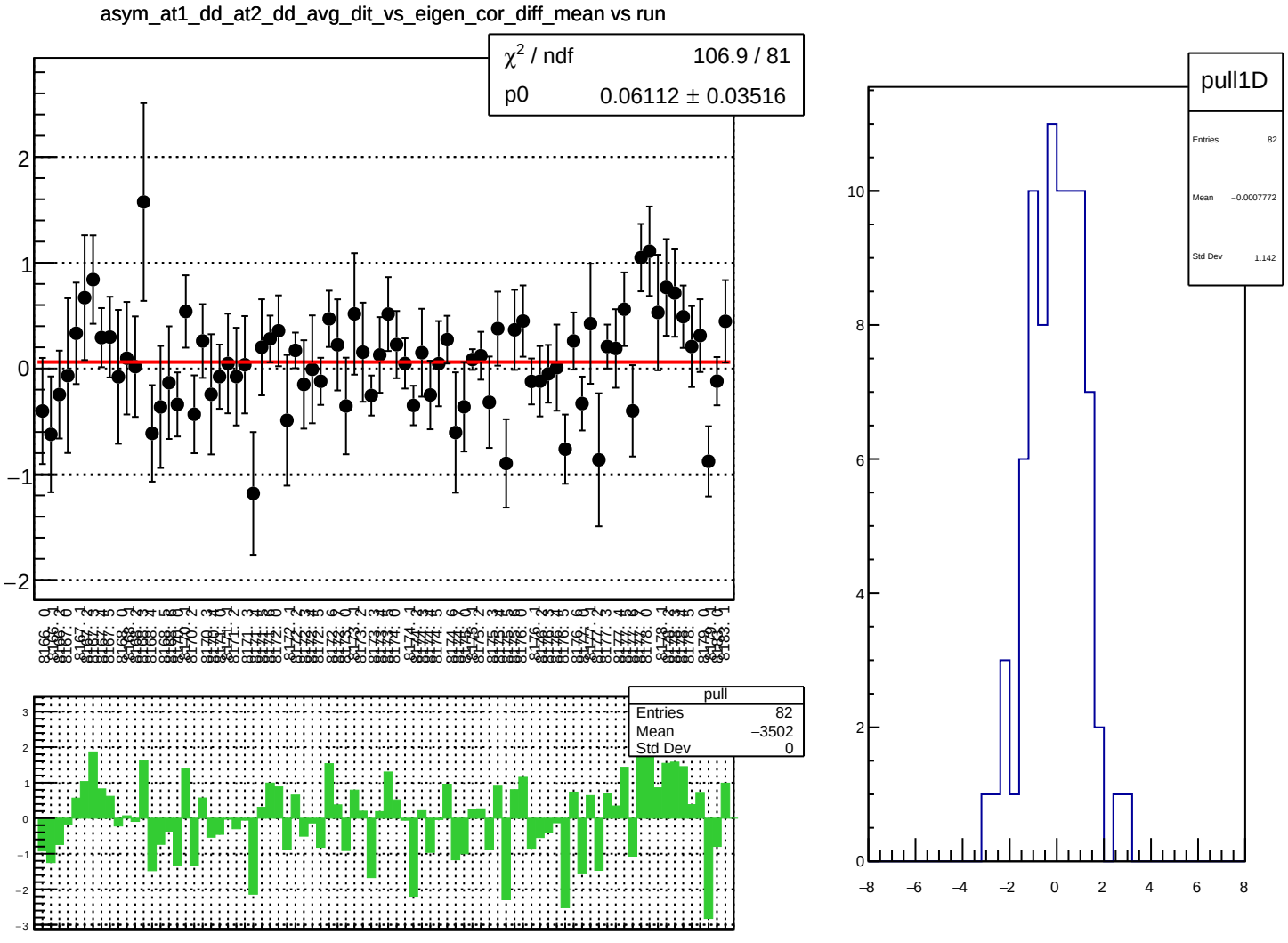

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 496.9 / 81
p0 1621 ± 1.288
1800
1750
1700
1650
1600
1550

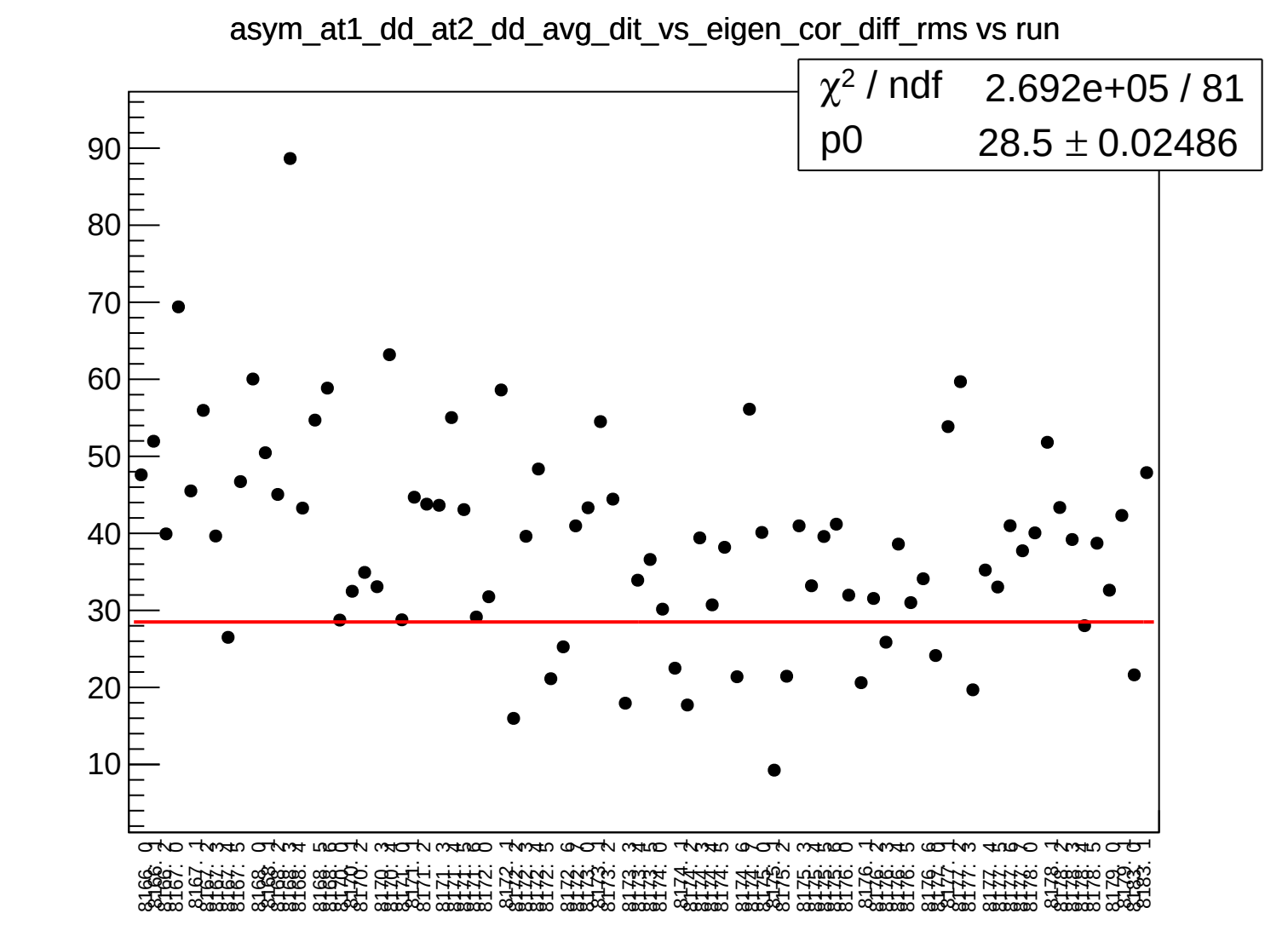

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 106.2 / 81
p0 −1.059e−13 ± 8.974e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 82
Mean 30.69
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.1059
Std Dev 1.133
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

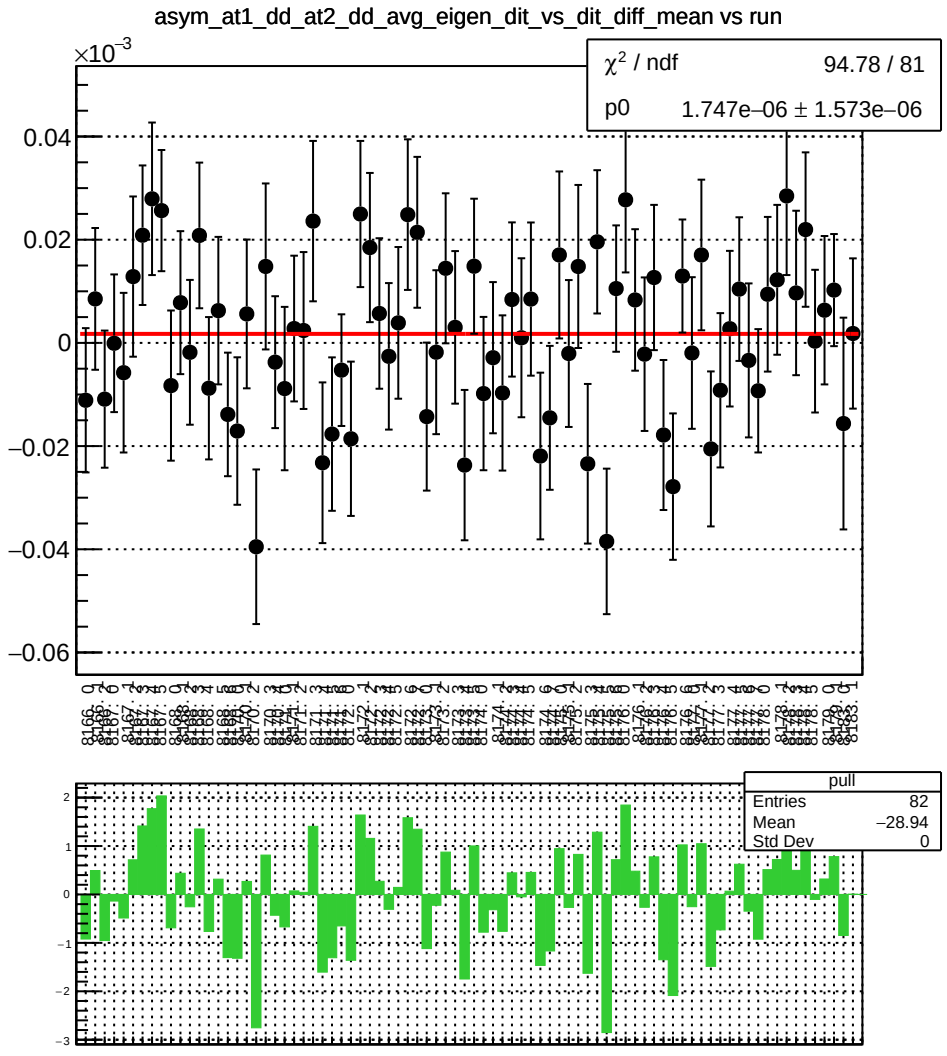

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.42e+05 / 81
p0 6.156e−11 ± 6.346e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

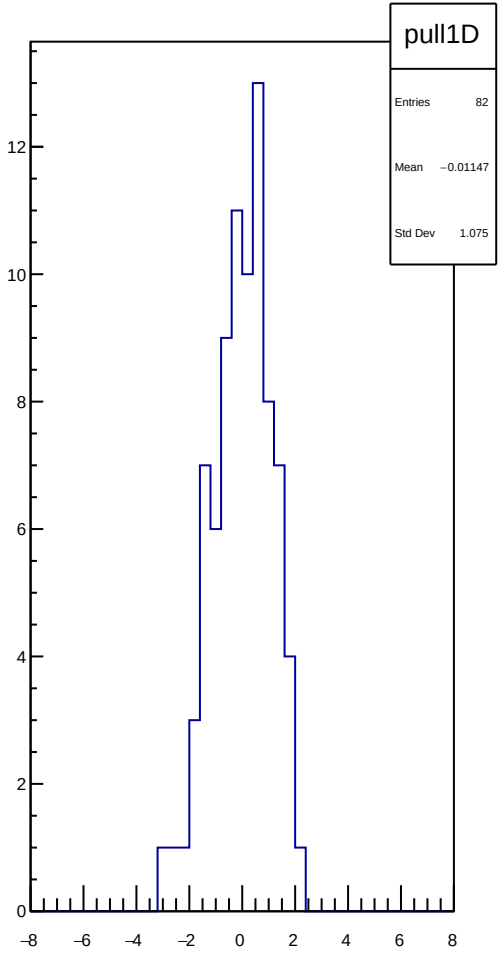

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3502
Std Dev 0
pull1D
Entries 82
Mean −0.0007772
Std Dev 1.142

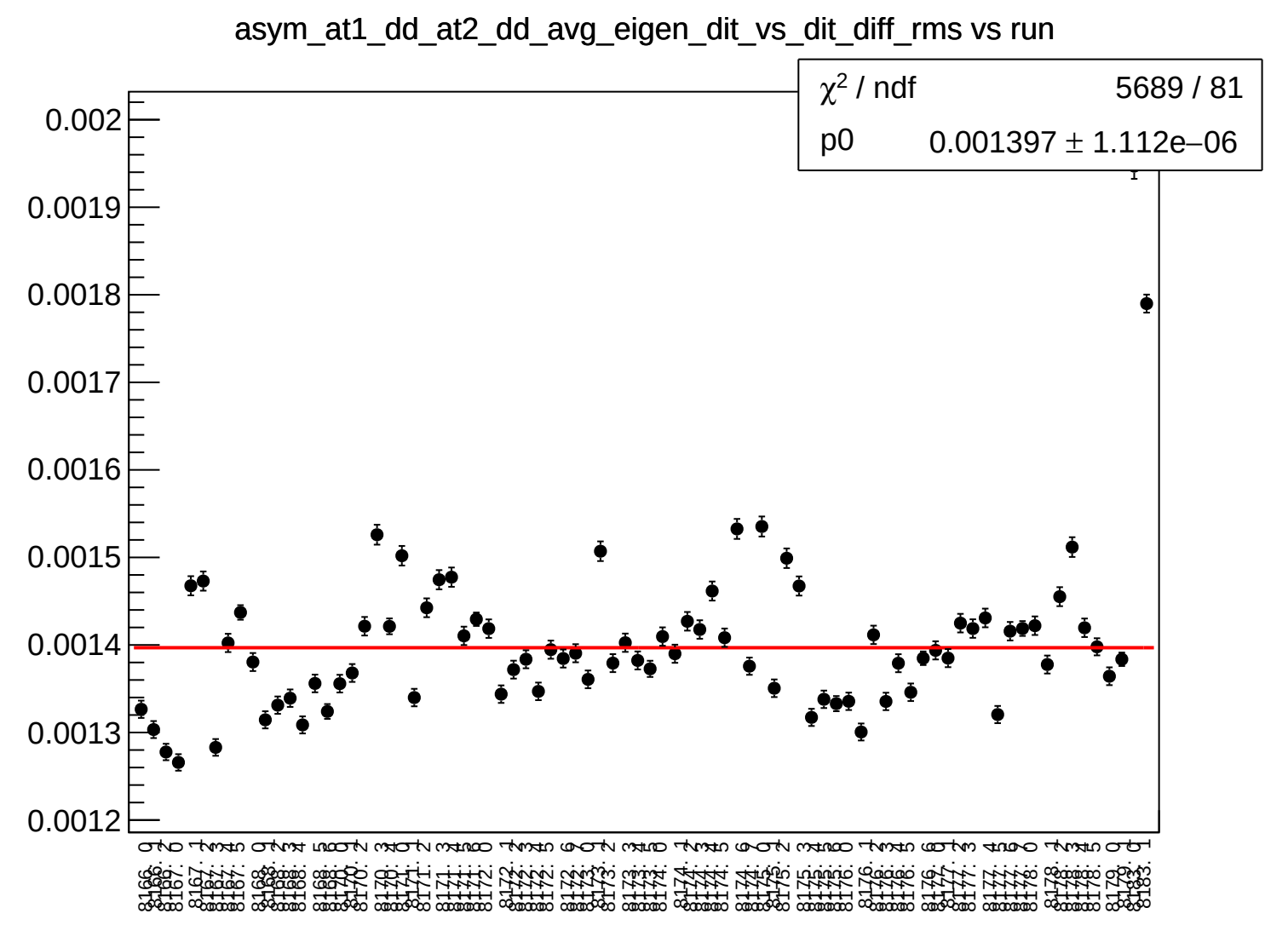

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

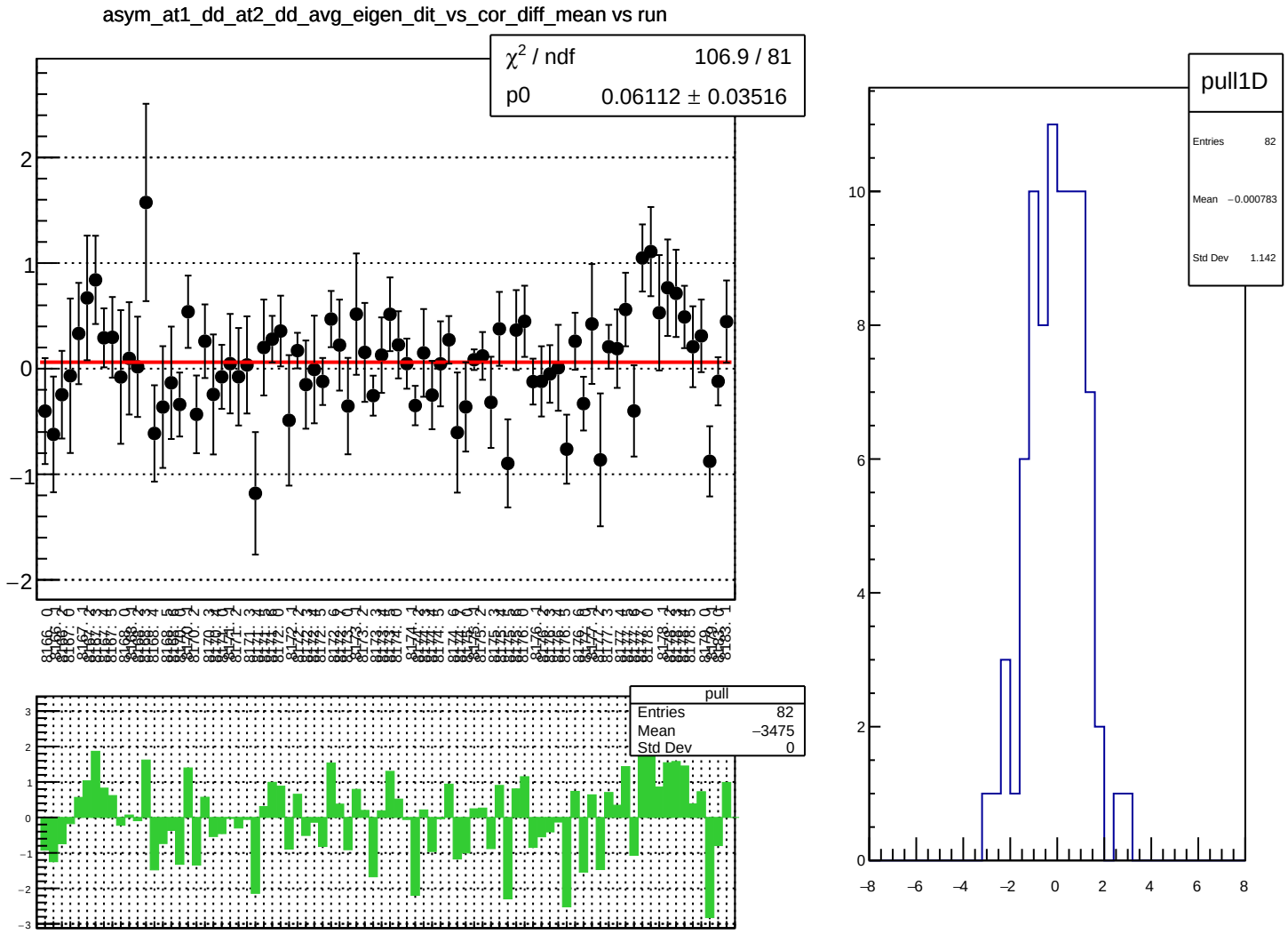

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3502
Std Dev 0
pull1D
Entries 82
Mean −0.0007772
Std Dev 1.142

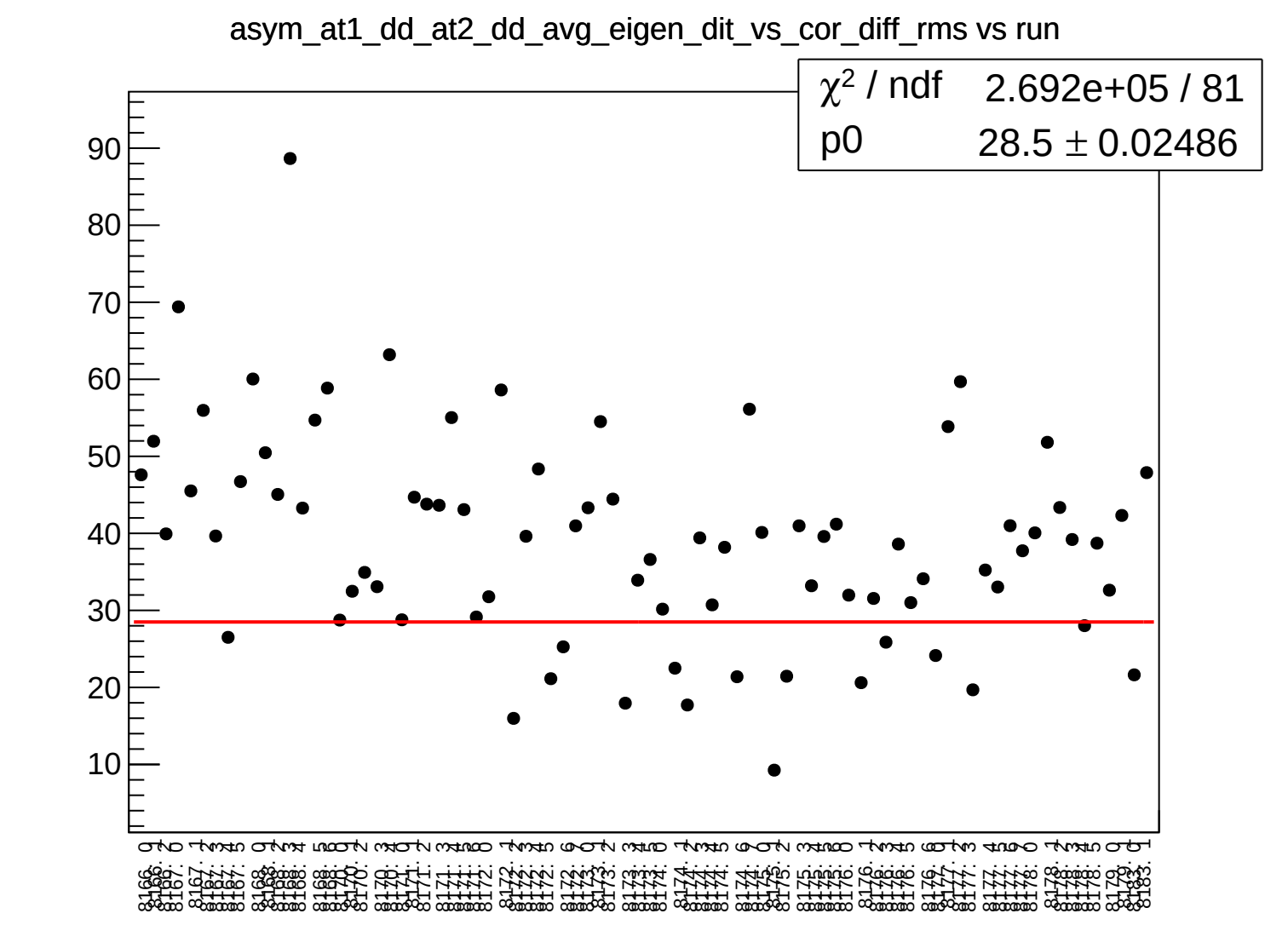

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

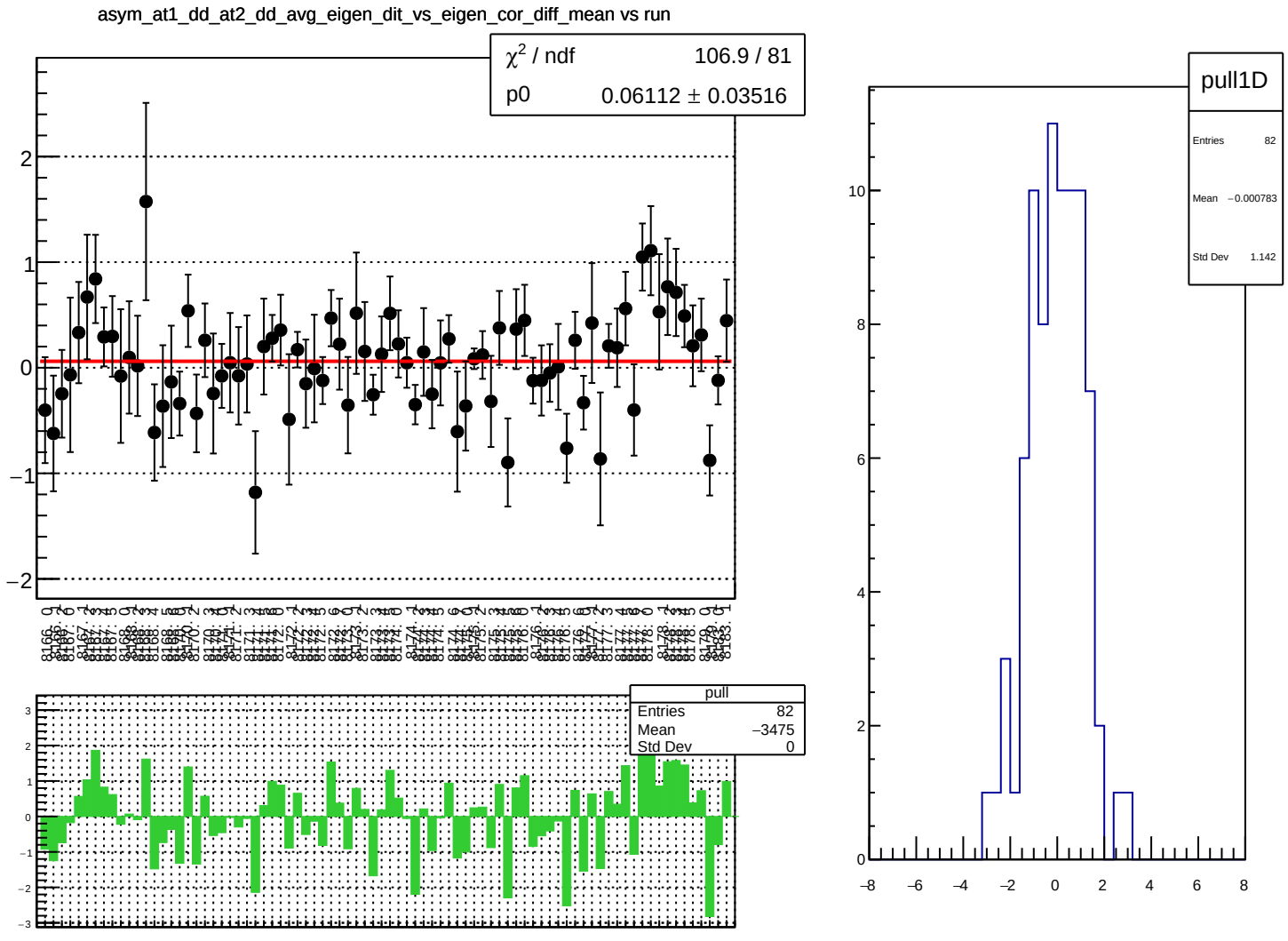

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.78 / 81
p0 1.747e−06 ± 1.573e−06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 82
Mean −28.94
Std Dev 0
2
1
0
−1
−2
−3

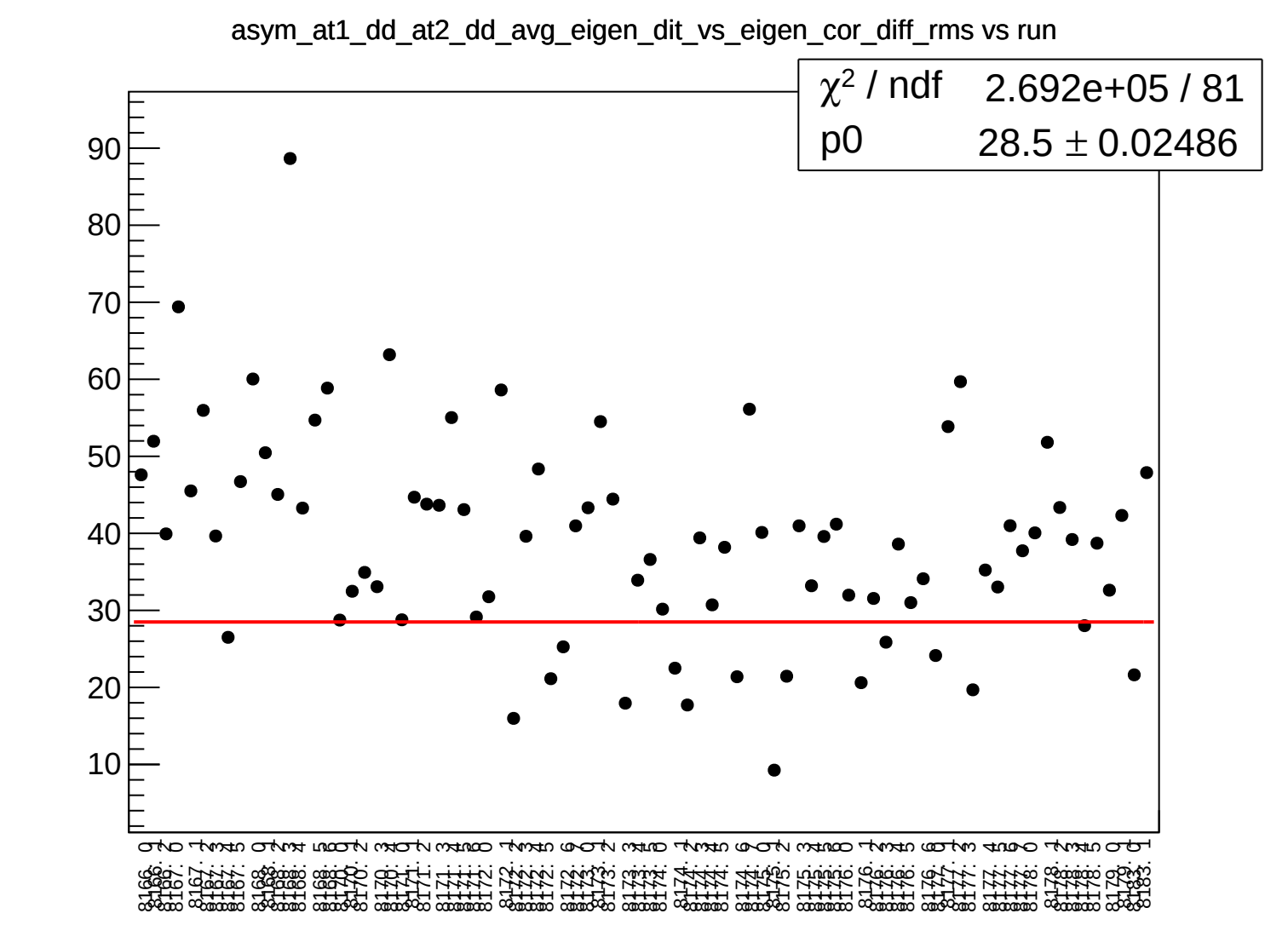

pull1D
Entries 82
Mean −0.01147
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

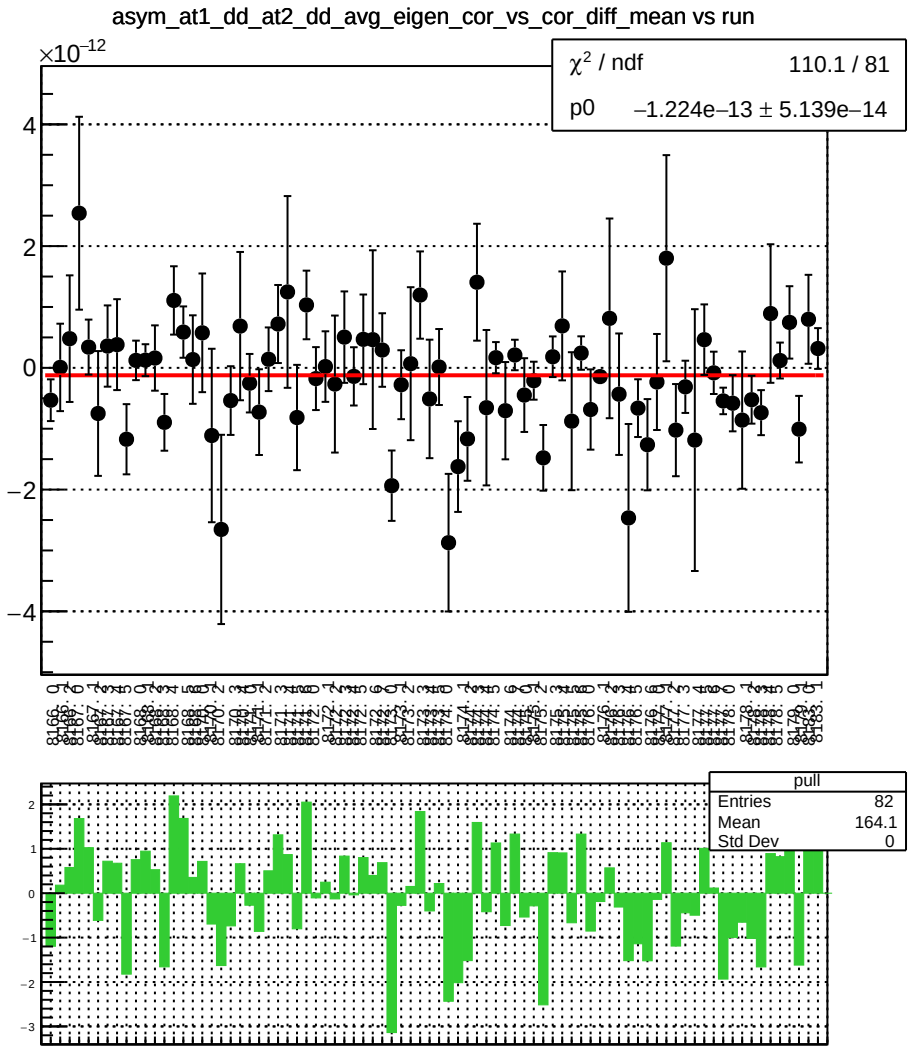

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5689 / 81
p0 0.001397 ± 1.112e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012

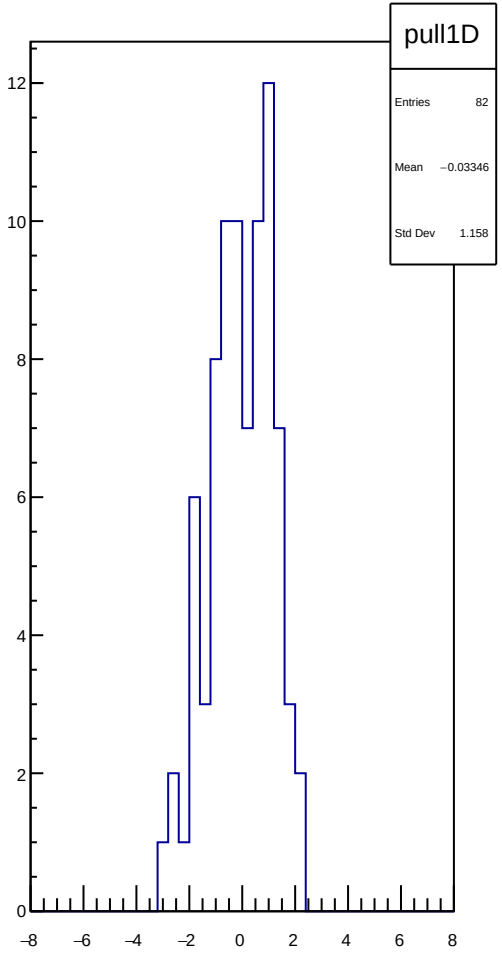

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3475
Std Dev 0
pull1D
Entries 82
Mean −0.000783
Std Dev 1.142

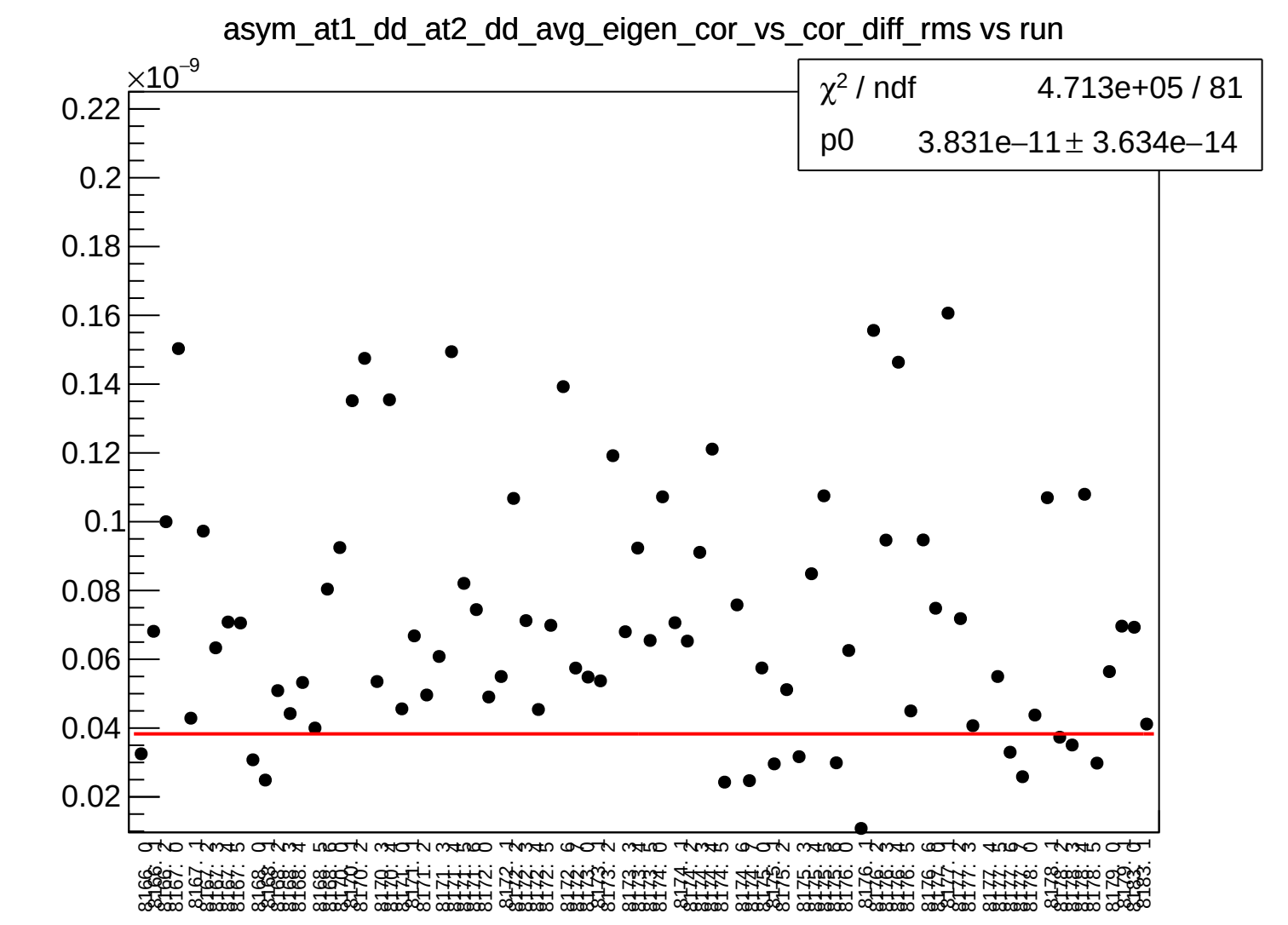

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

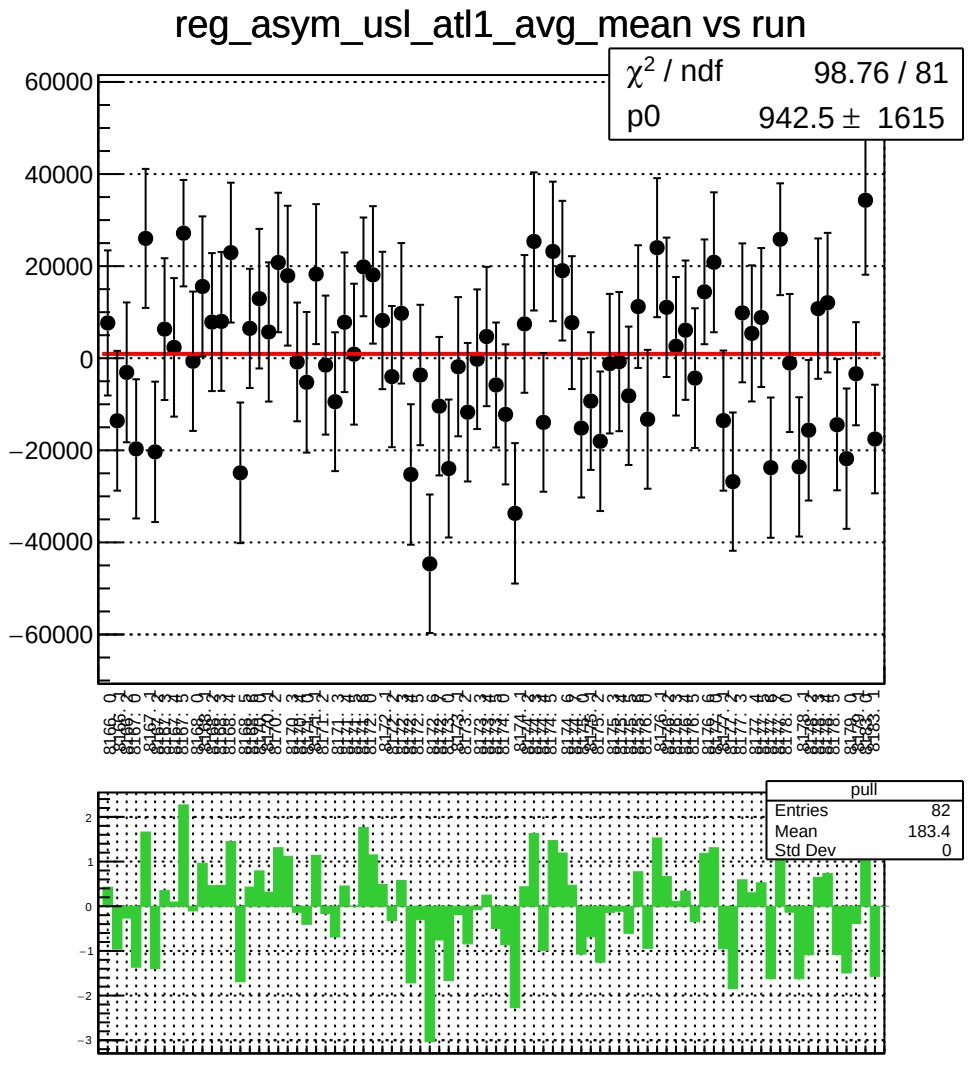

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 106.9 / 81
p0 0.06112 ± 0.03516
pull
Entries 82
Mean −3475
Std Dev 0
pull1D
Entries 82
Mean −0.000783
Std Dev 1.142

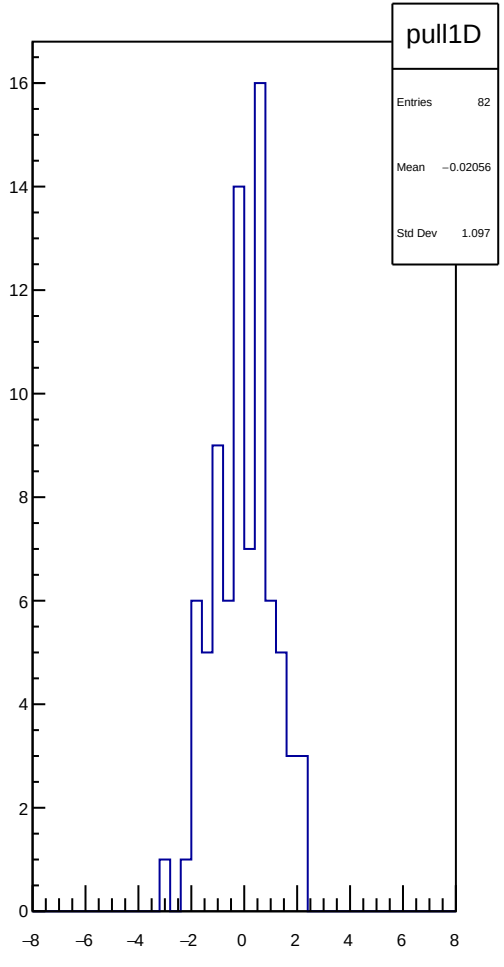

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.692e+05 / 81
p0 28.5 ± 0.02486
90
80
70
60
50
40
30
20
10

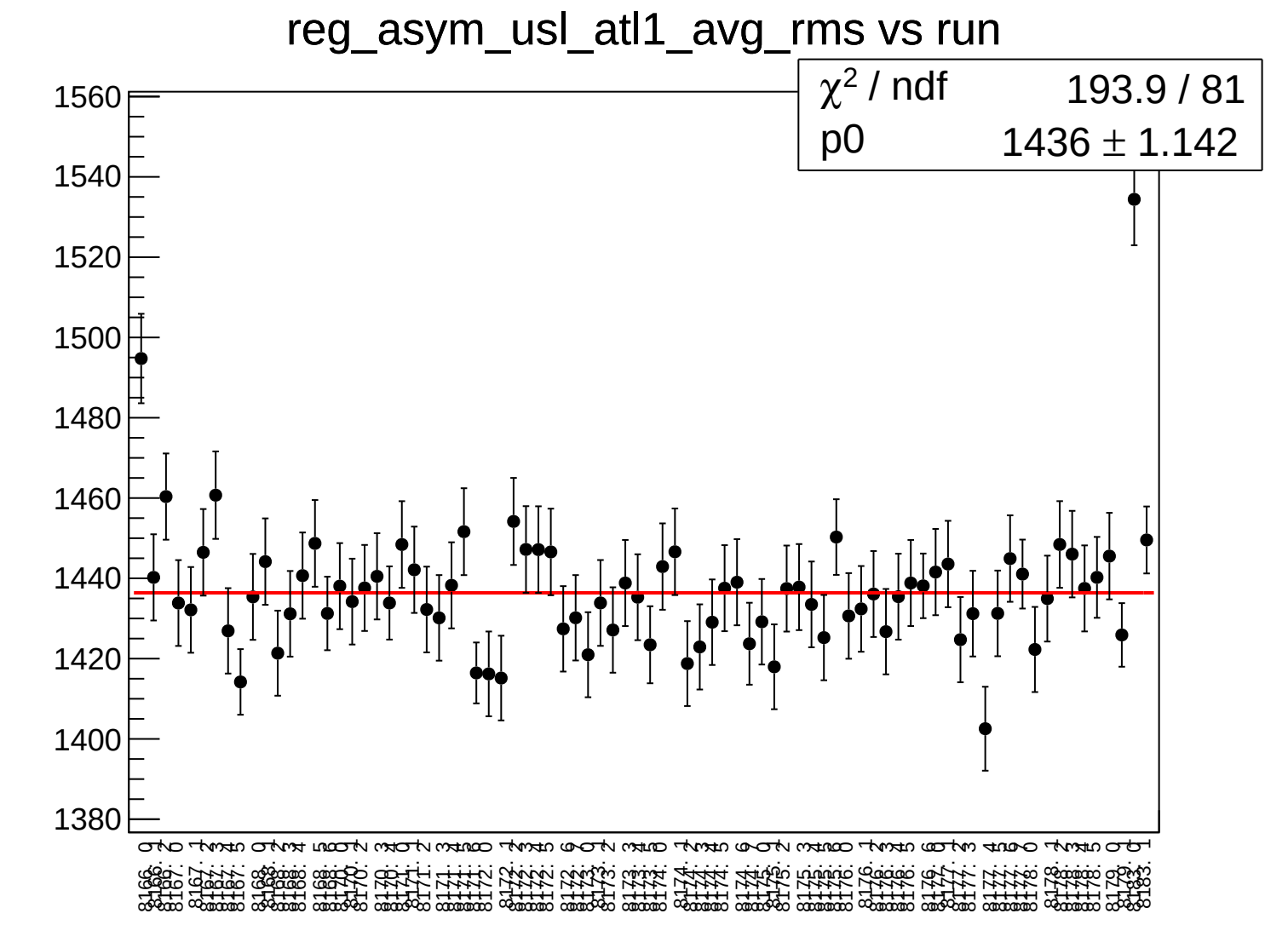

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 110.1 / 81
p0 −1.224e−13 ± 5.139e−14
pull
Entries 82
Mean 164.1
Std Dev 0

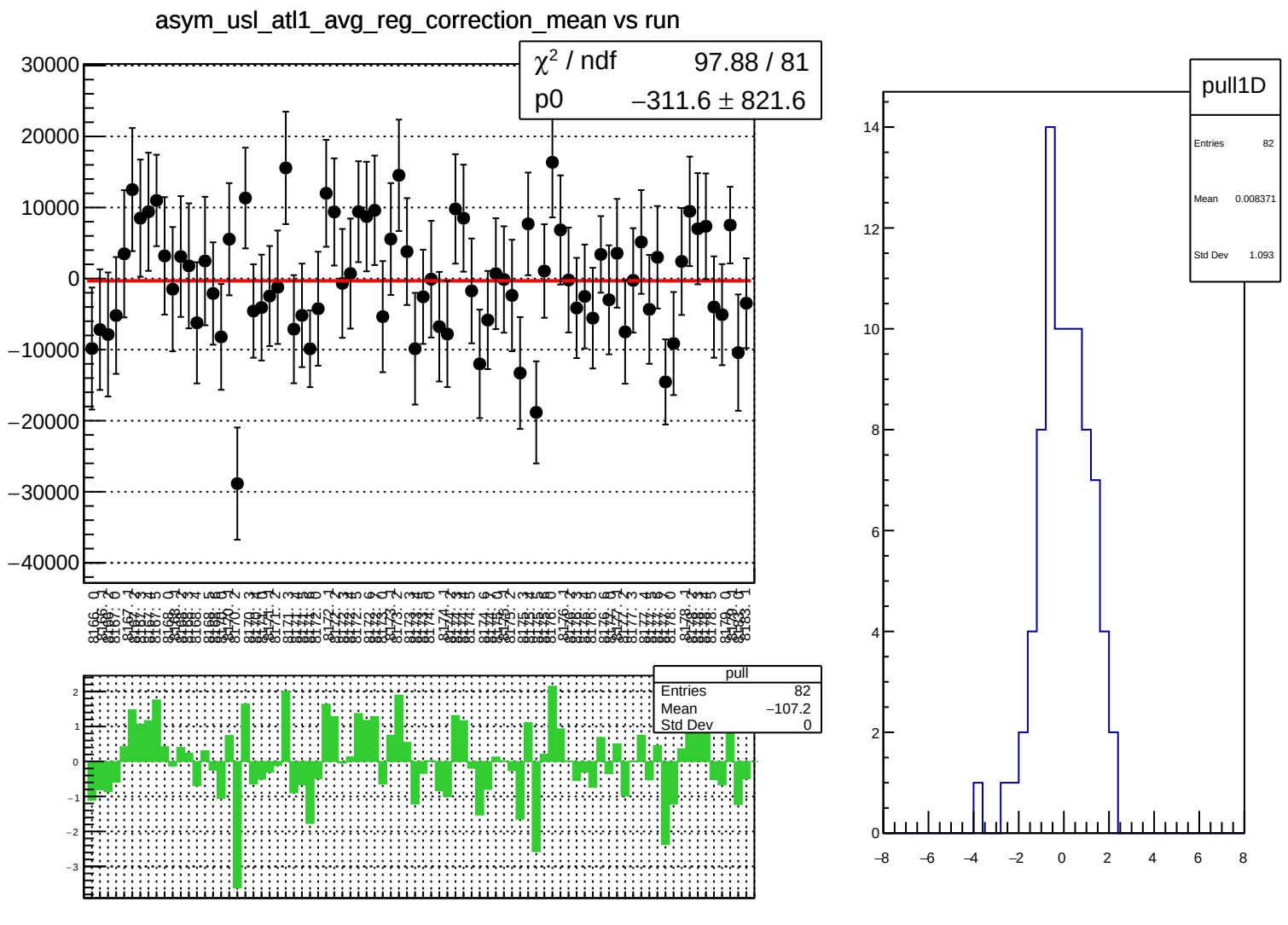

pull1D
Entries 82
Mean −0.03346
Std Dev 1.158

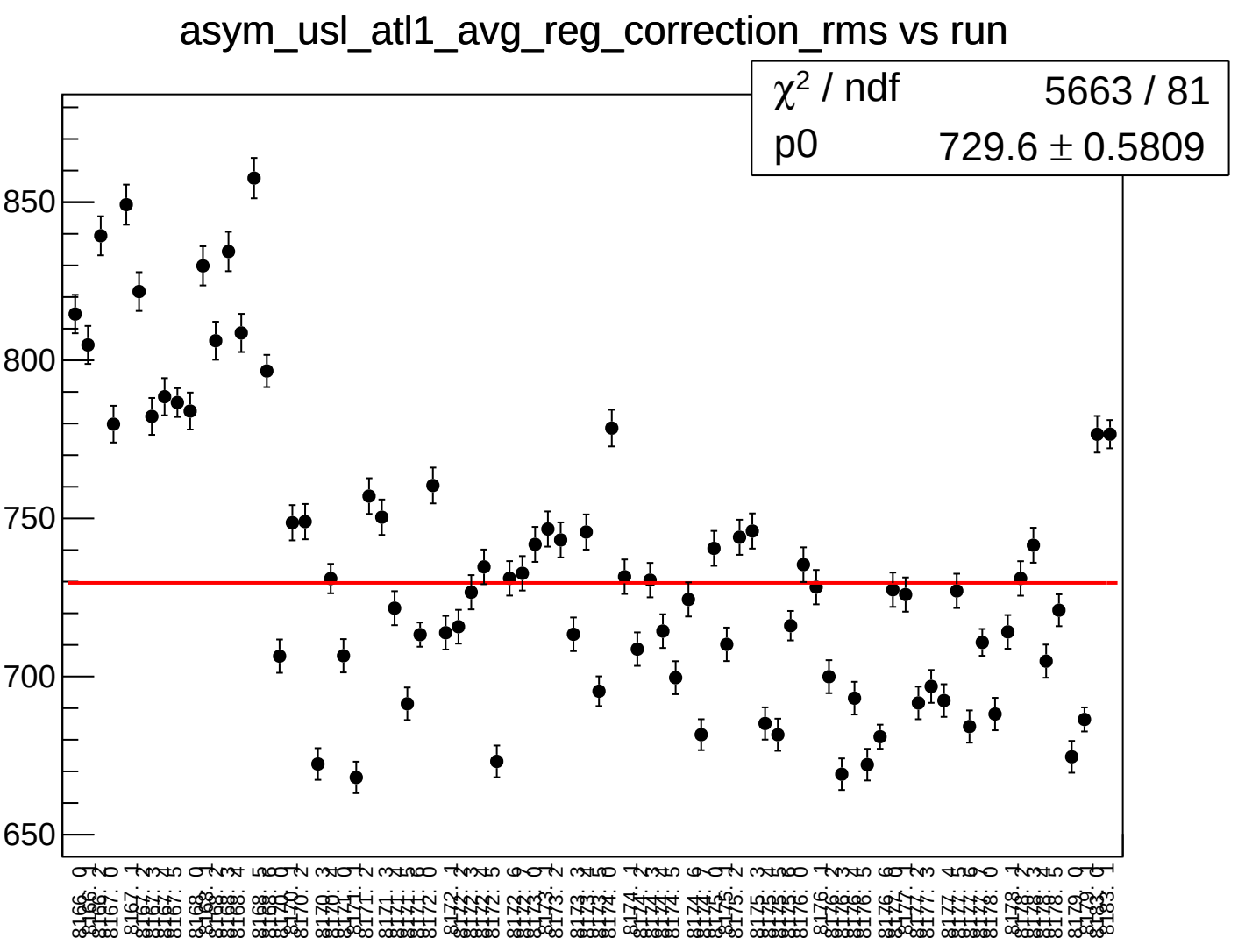

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.713e+05 / 81
p0 3.831e−11 ± 3.634e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

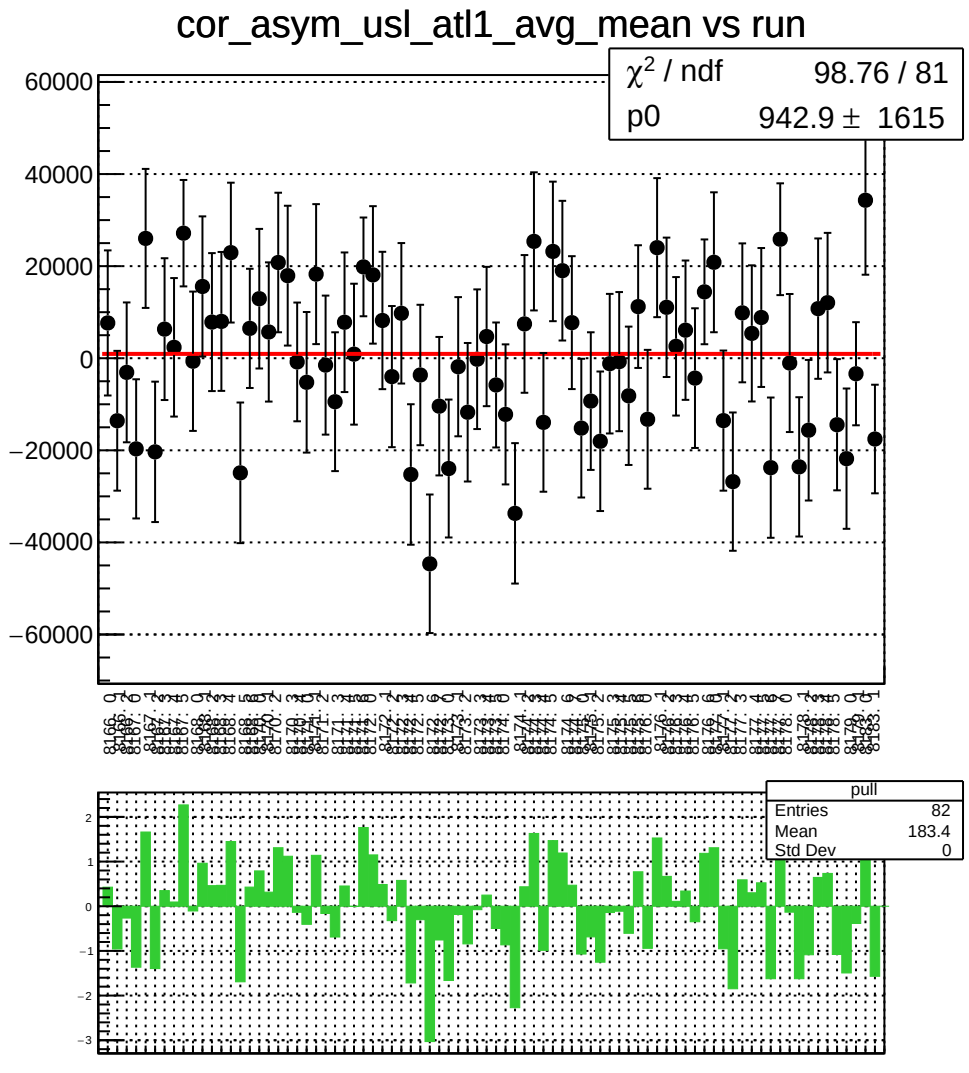

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 98.76 / 81
p0 942.5 ± 1615
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 183.4
Std Dev 0
2
1
0
−1
−2
−3

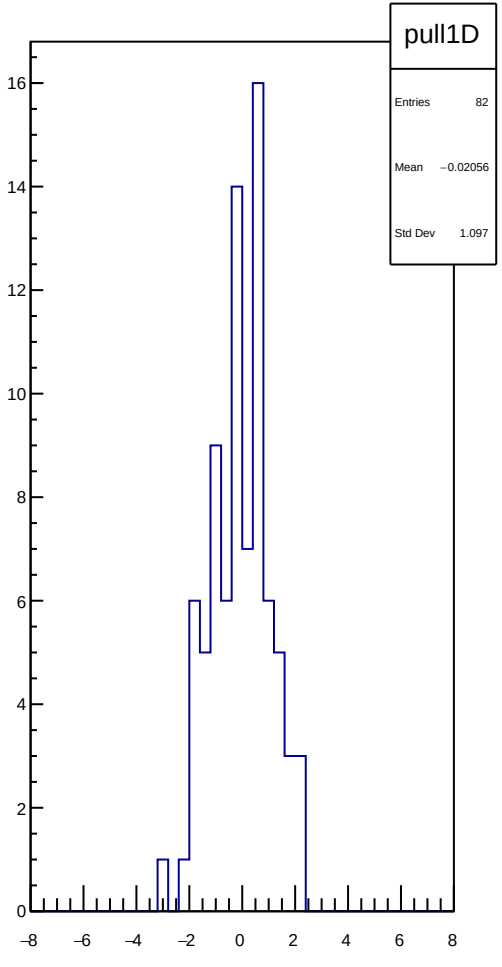

pull1D
Entries 82
Mean −0.02056
Std Dev 1.097
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

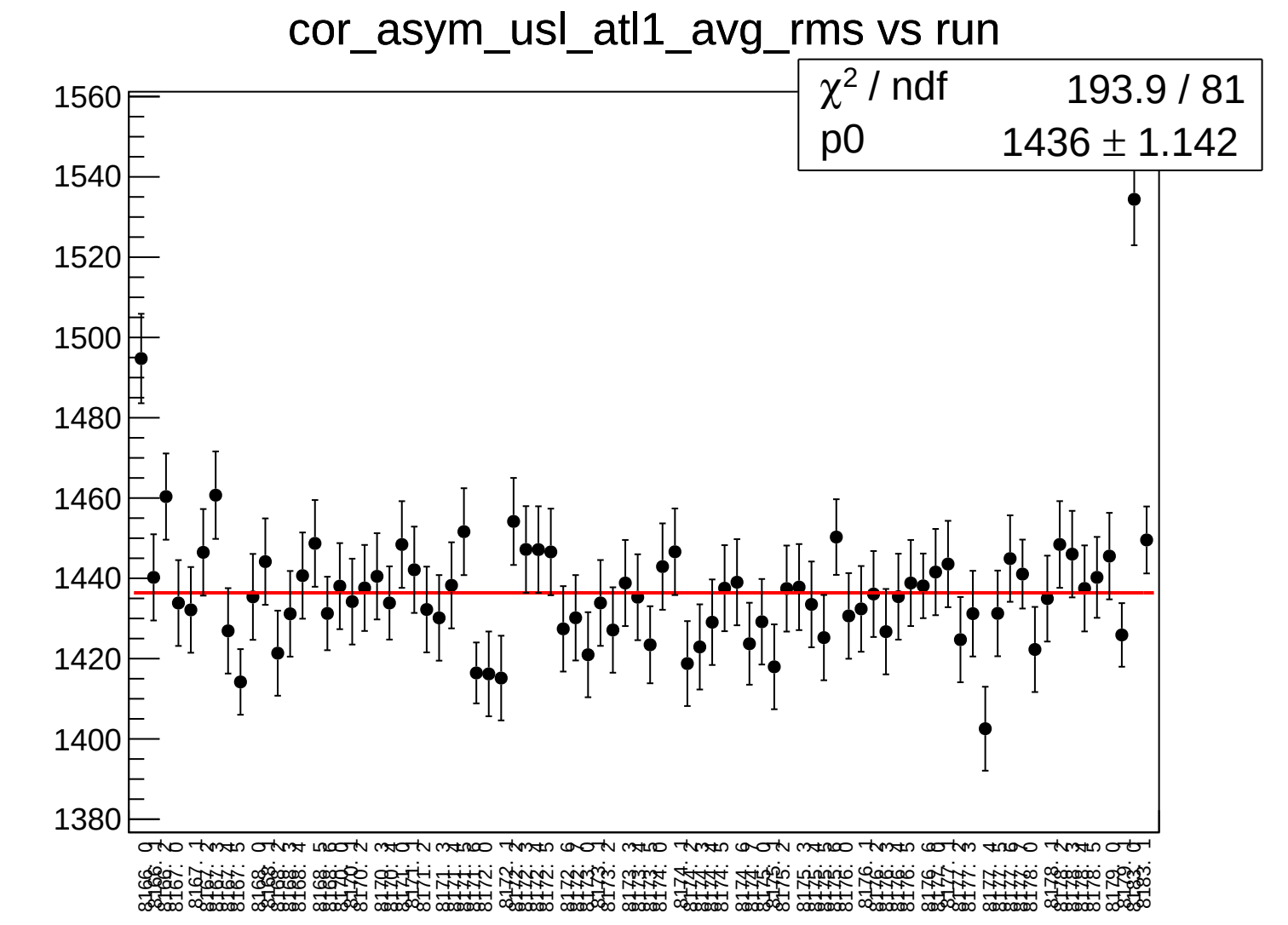

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 193.9 / 81
p0 1436 ± 1.142
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

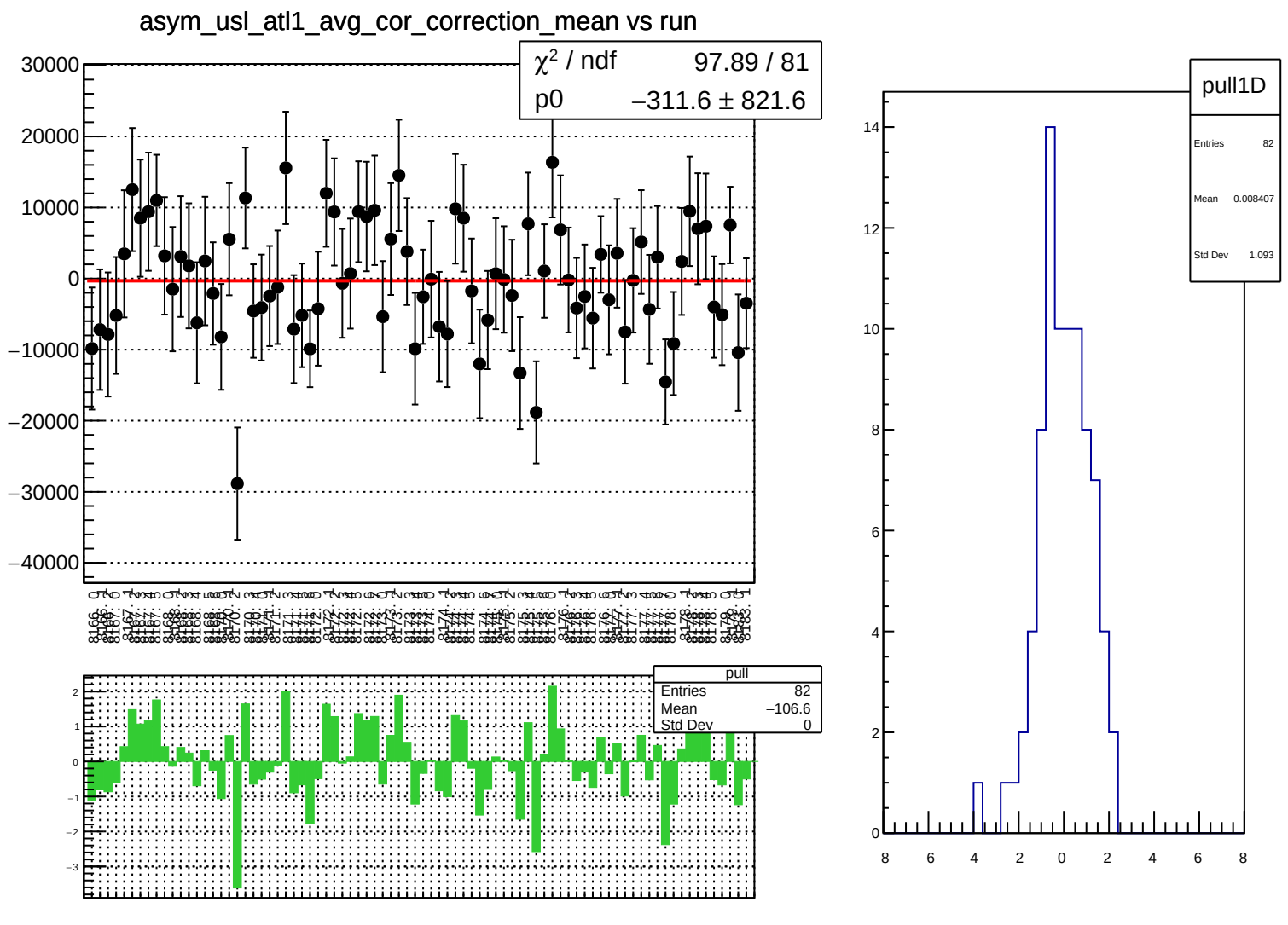

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 97.88 / 81
p0 −311.6 ± 821.6
pull
Entries 82
Mean −107.2
Std Dev 0
pull1D
Entries 82
Mean 0.008371
Std Dev 1.093

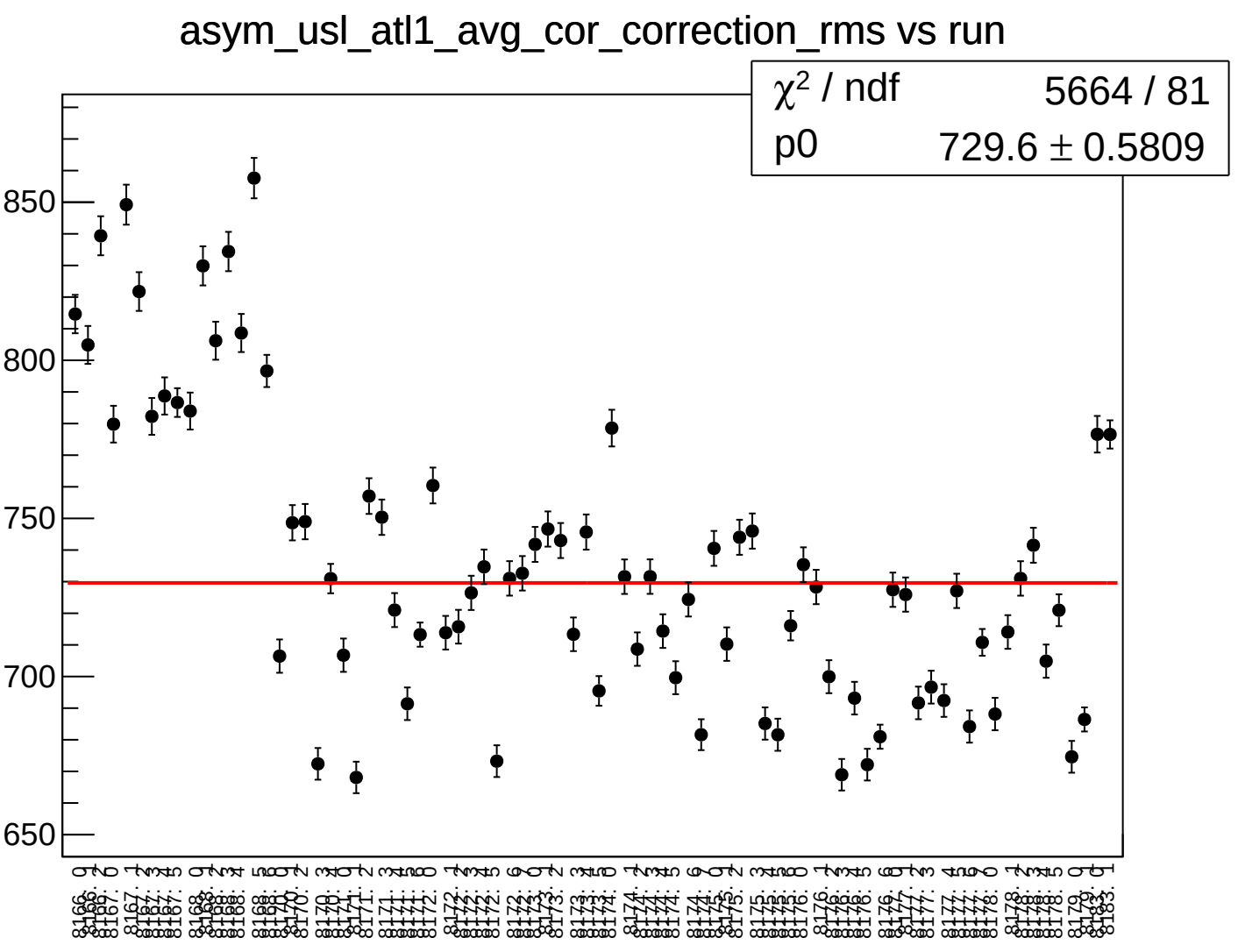

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 5663 / 81
p0 729.6 ± 0.5809
850
800
750
700
650

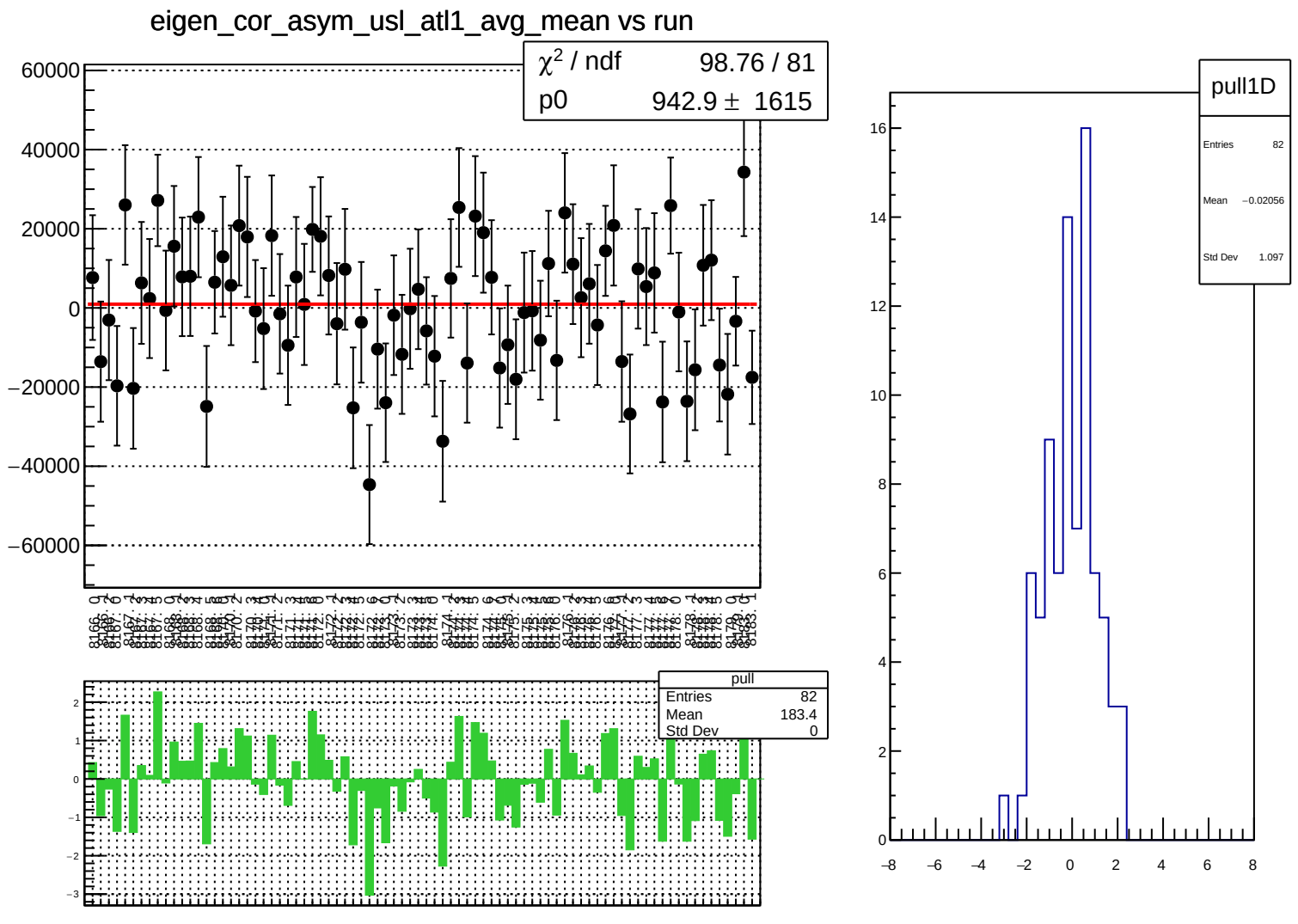

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 98.76 / 81
p0 942.9 ± 1615
pull
Entries 82
Mean 183.4
Std Dev 0

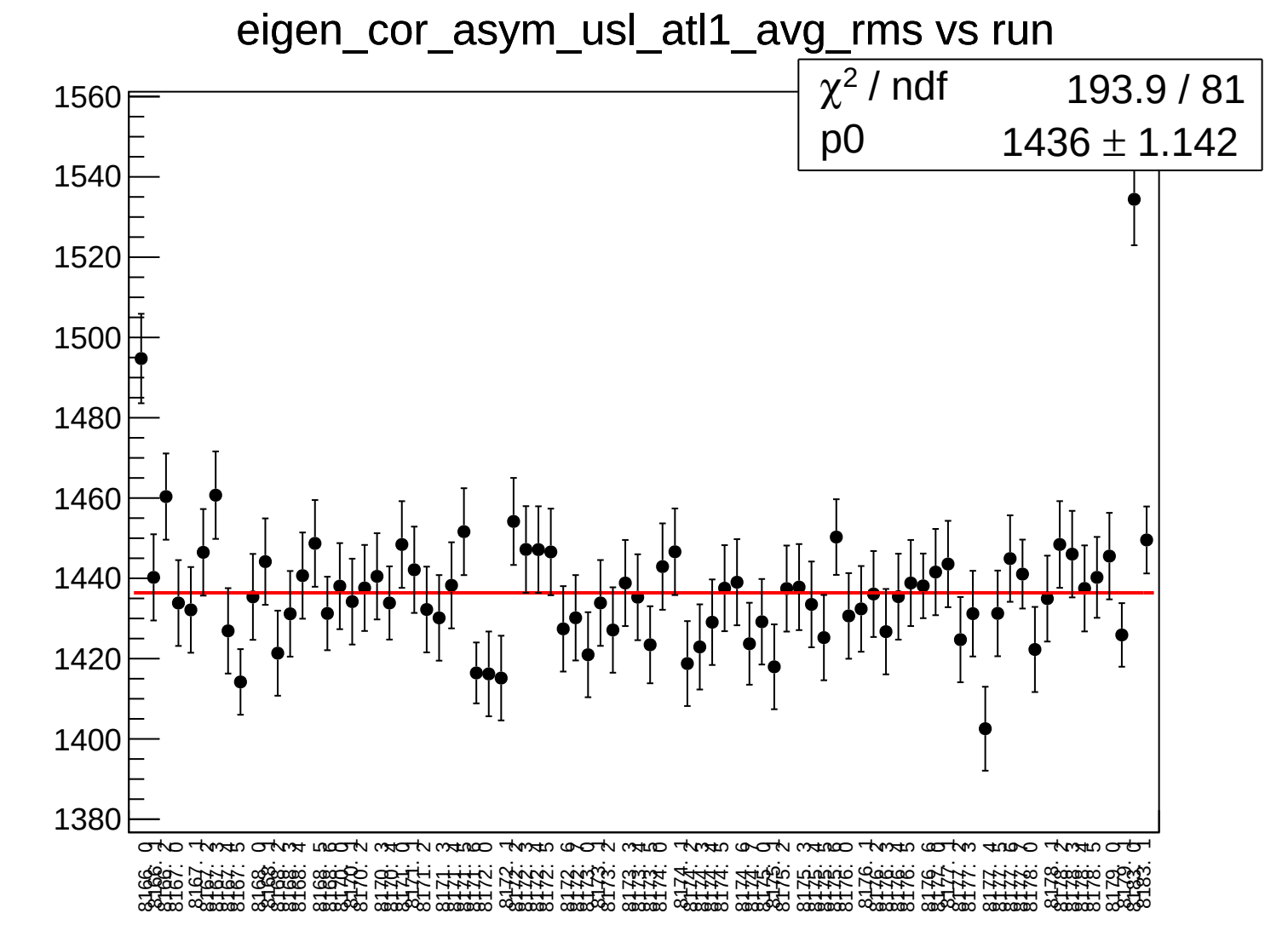

pull1D
Entries 82
Mean −0.02056
Std Dev 1.097

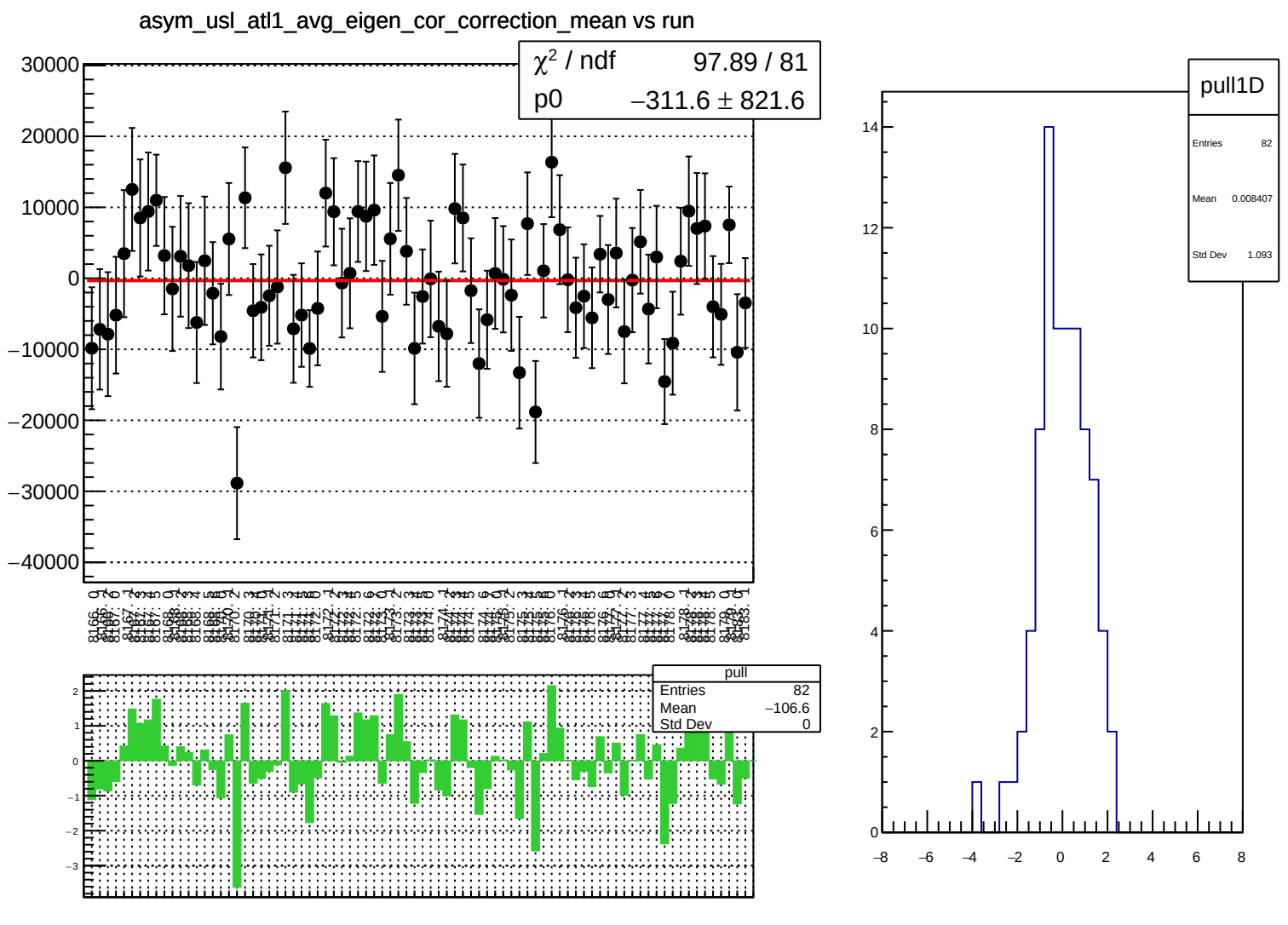

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 193.9 / 81
p0 1436 ± 1.142
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

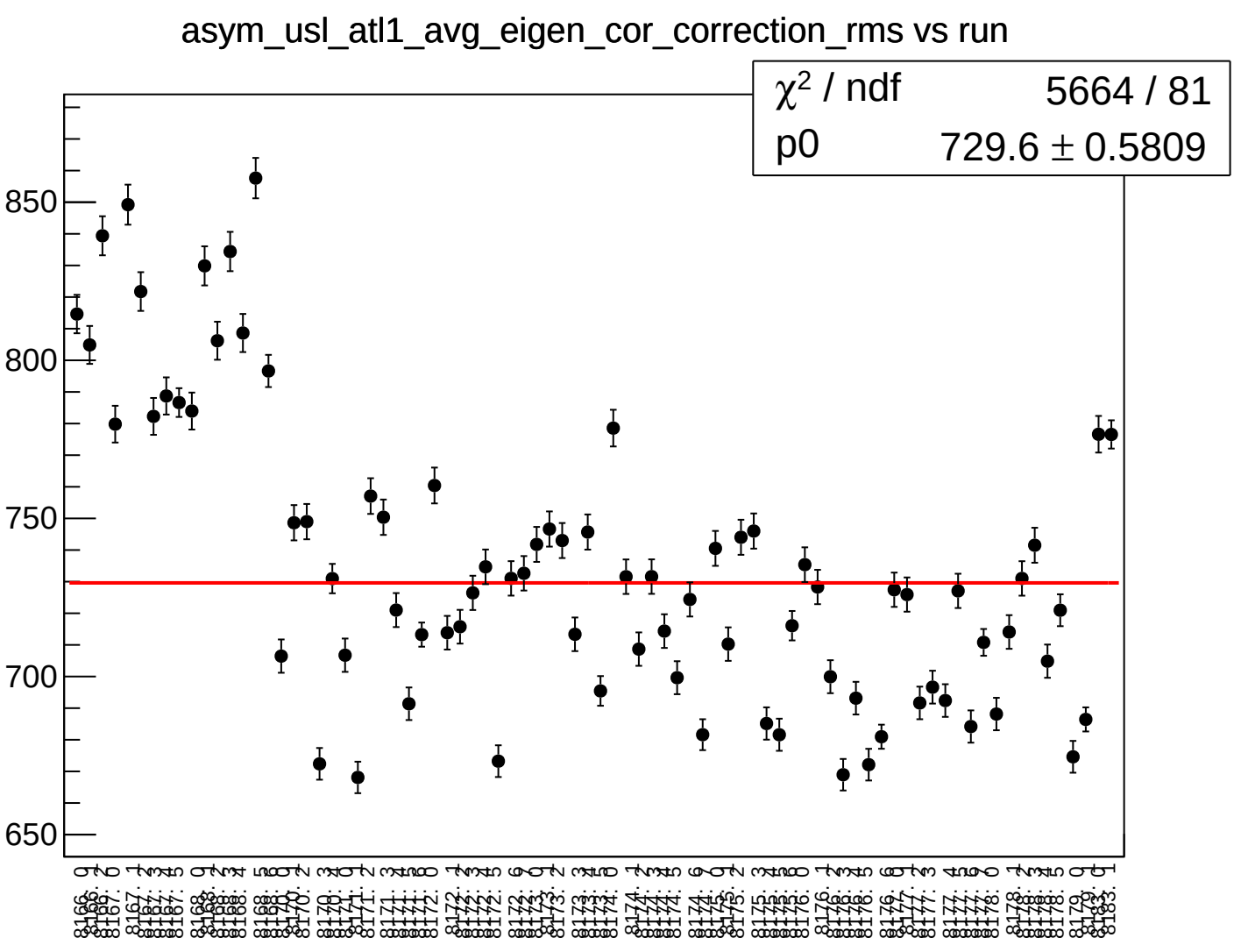

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 97.89 / 81
p0 −311.6 ± 821.6
pull
Entries 82
Mean −106.6
Std Dev 0
pull1D
Entries 82
Mean 0.008407
Std Dev 1.093

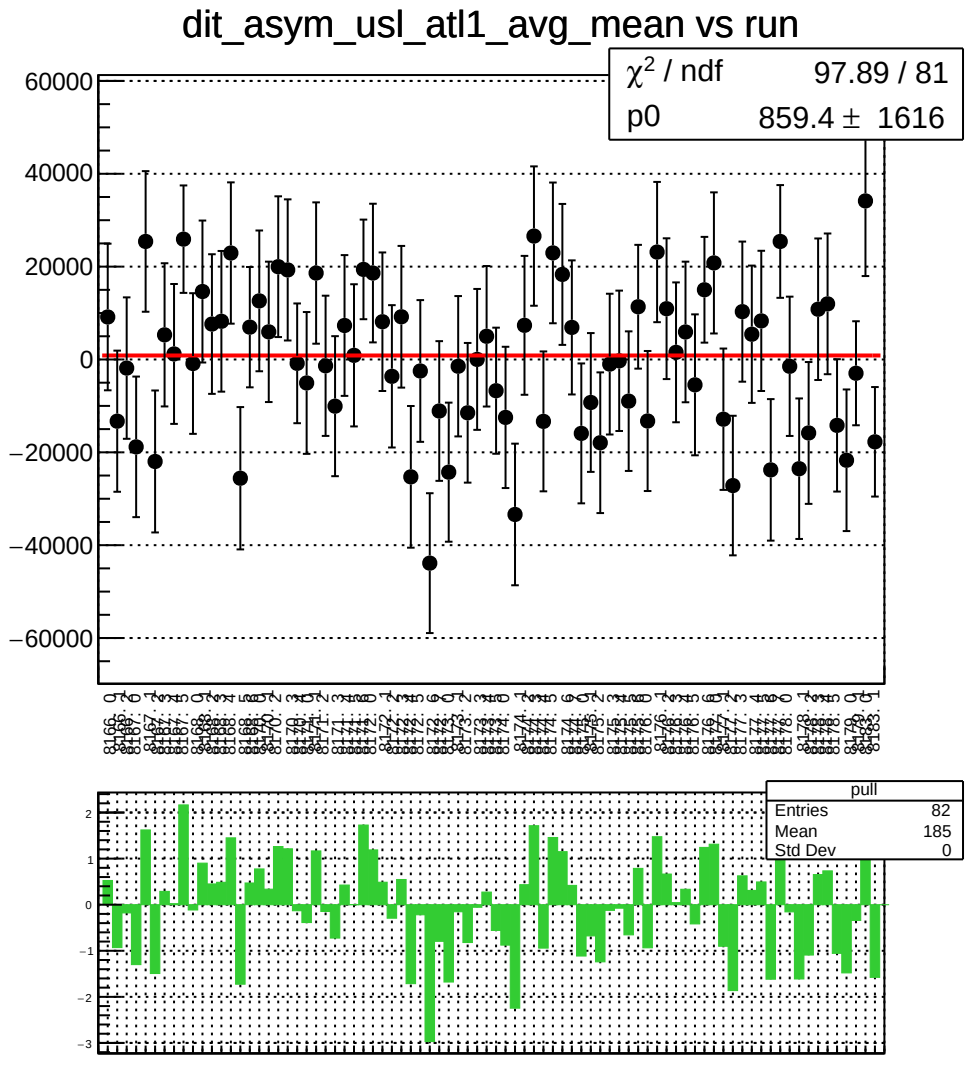

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 5664 / 81
p0 729.6 ± 0.5809
850
800
750
700
650

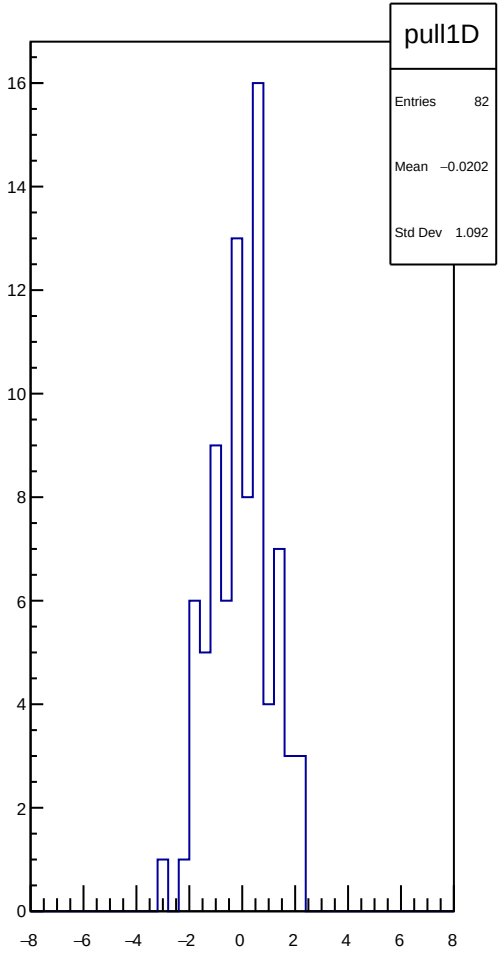

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 98.76 / 81
p0 942.9 ± 1615
pull
Entries 82
Mean 183.4
Std Dev 0
pull1D
Entries 82
Mean −0.02056
Std Dev 1.097

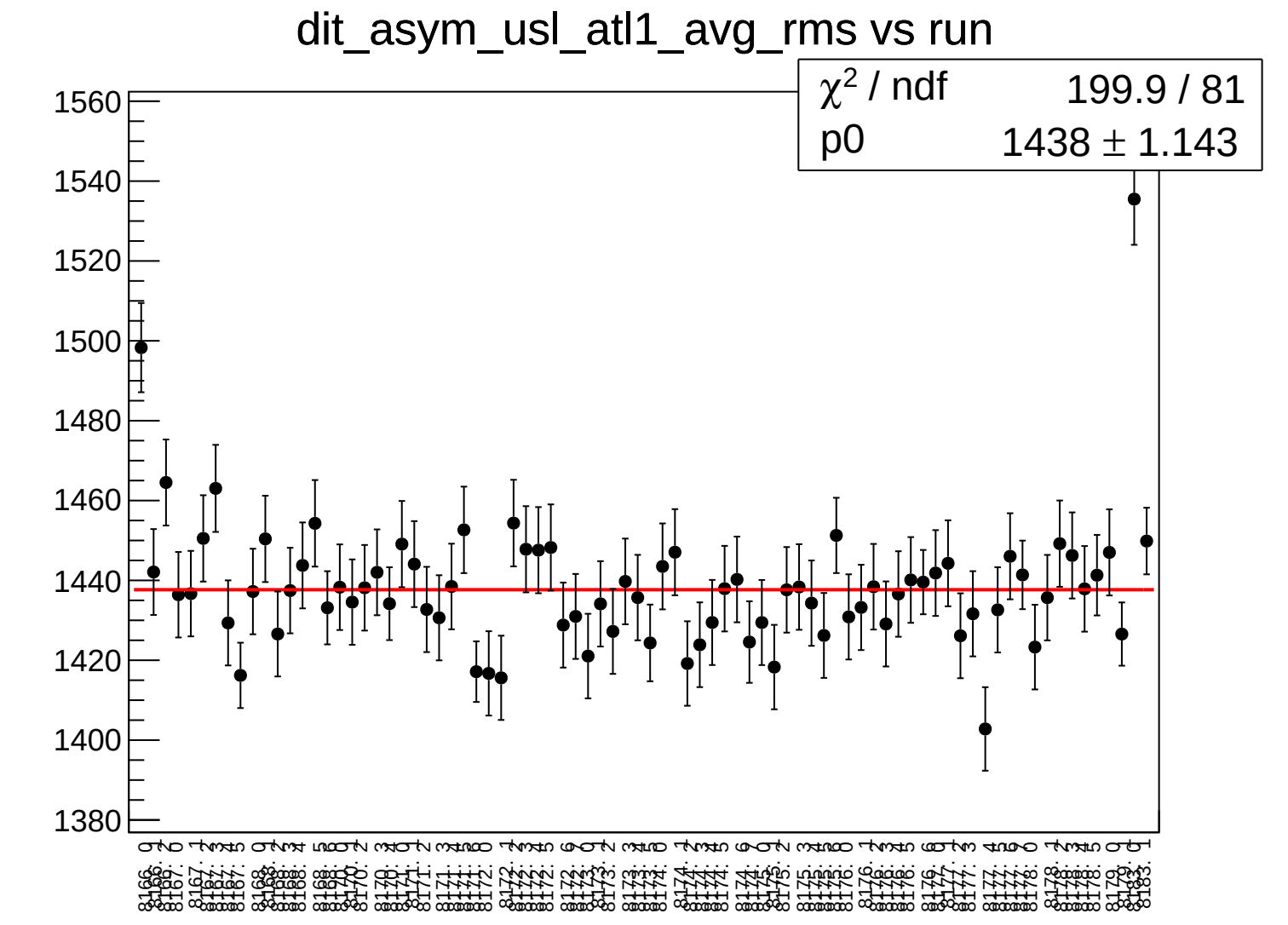

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 193.9 / 81
p0 1436 ± 1.142
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

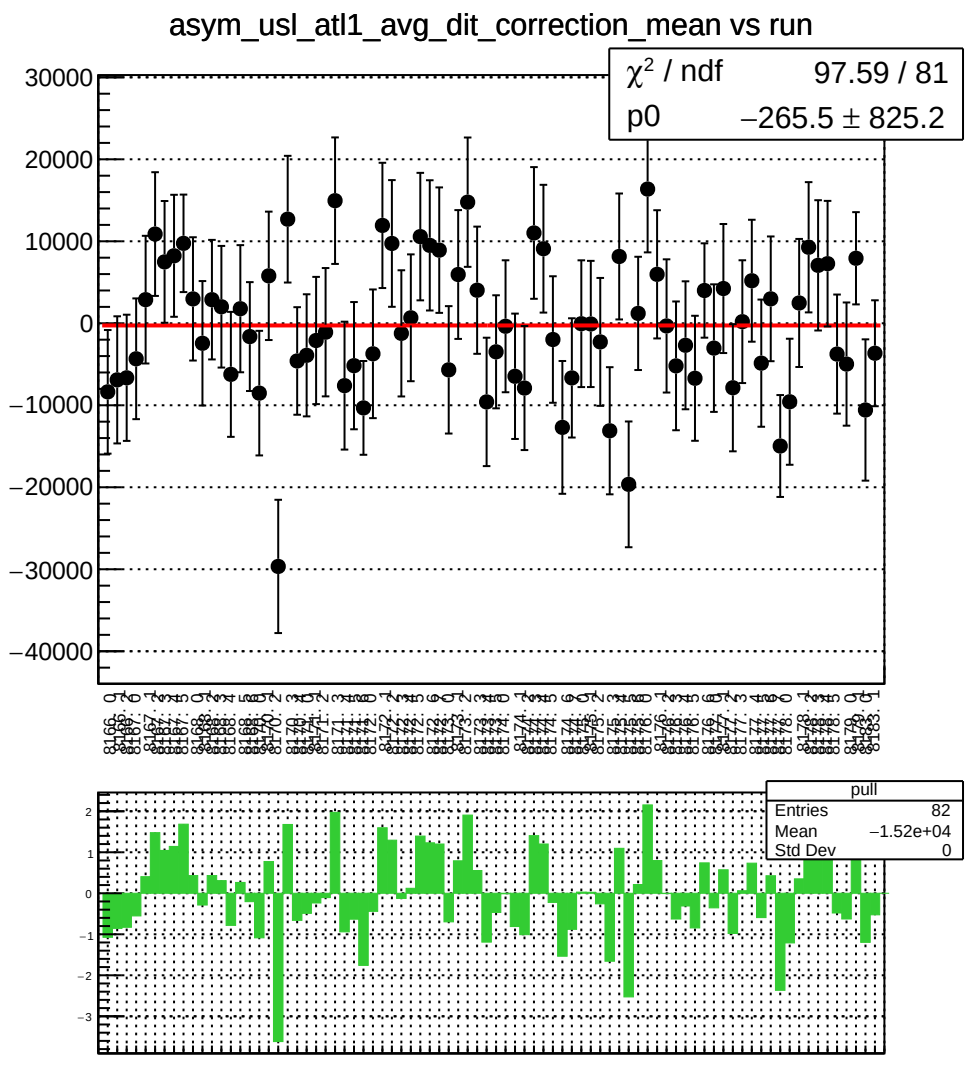

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 97.89 / 81
p0 −311.6 ± 821.6
pull
Entries 82
Mean −106.6
Std Dev 0
pull1D
Entries 82
Mean 0.008407
Std Dev 1.093

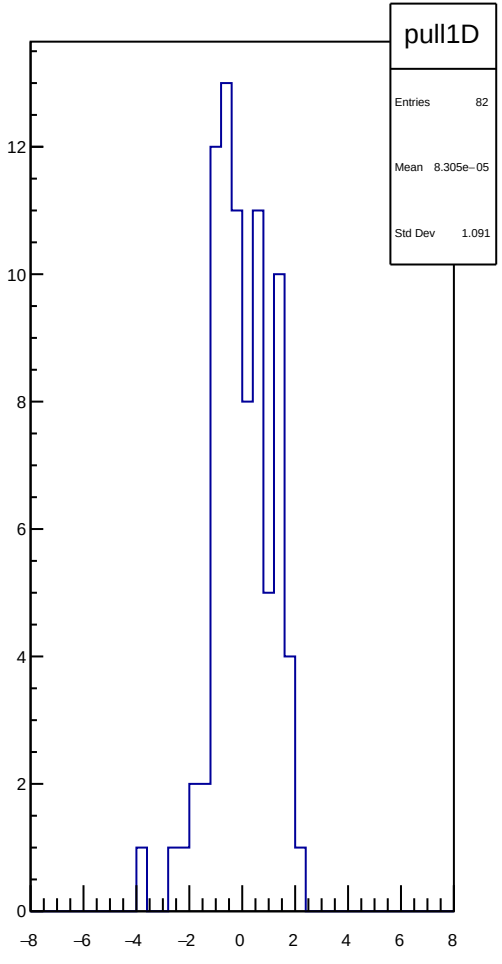

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5664 / 81
p0 729.6 ± 0.5809
850
800
750
700
650

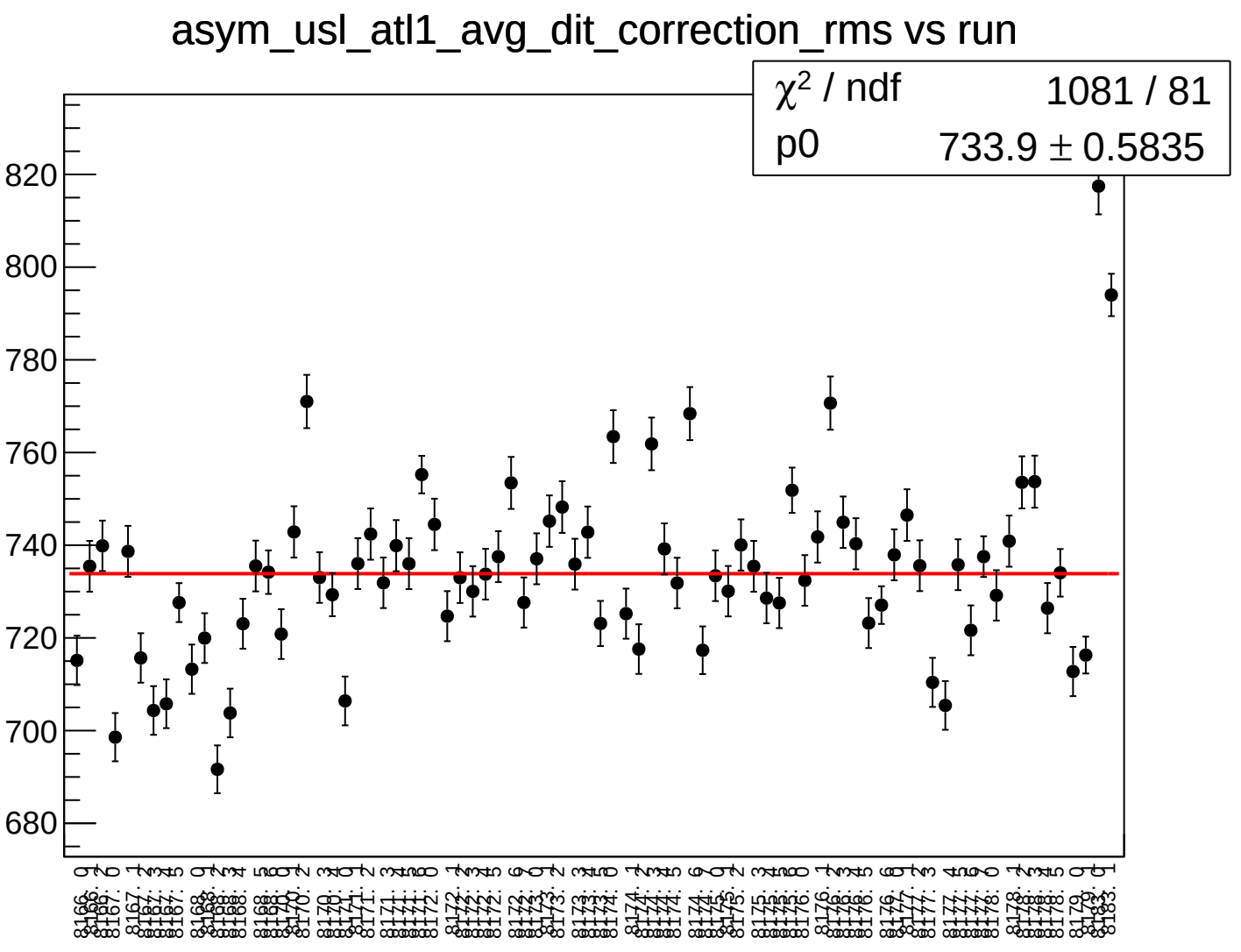

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 97.89 / 81
p0 859.4 ± 1616
pull
Entries 82
Mean 185
Std Dev 0

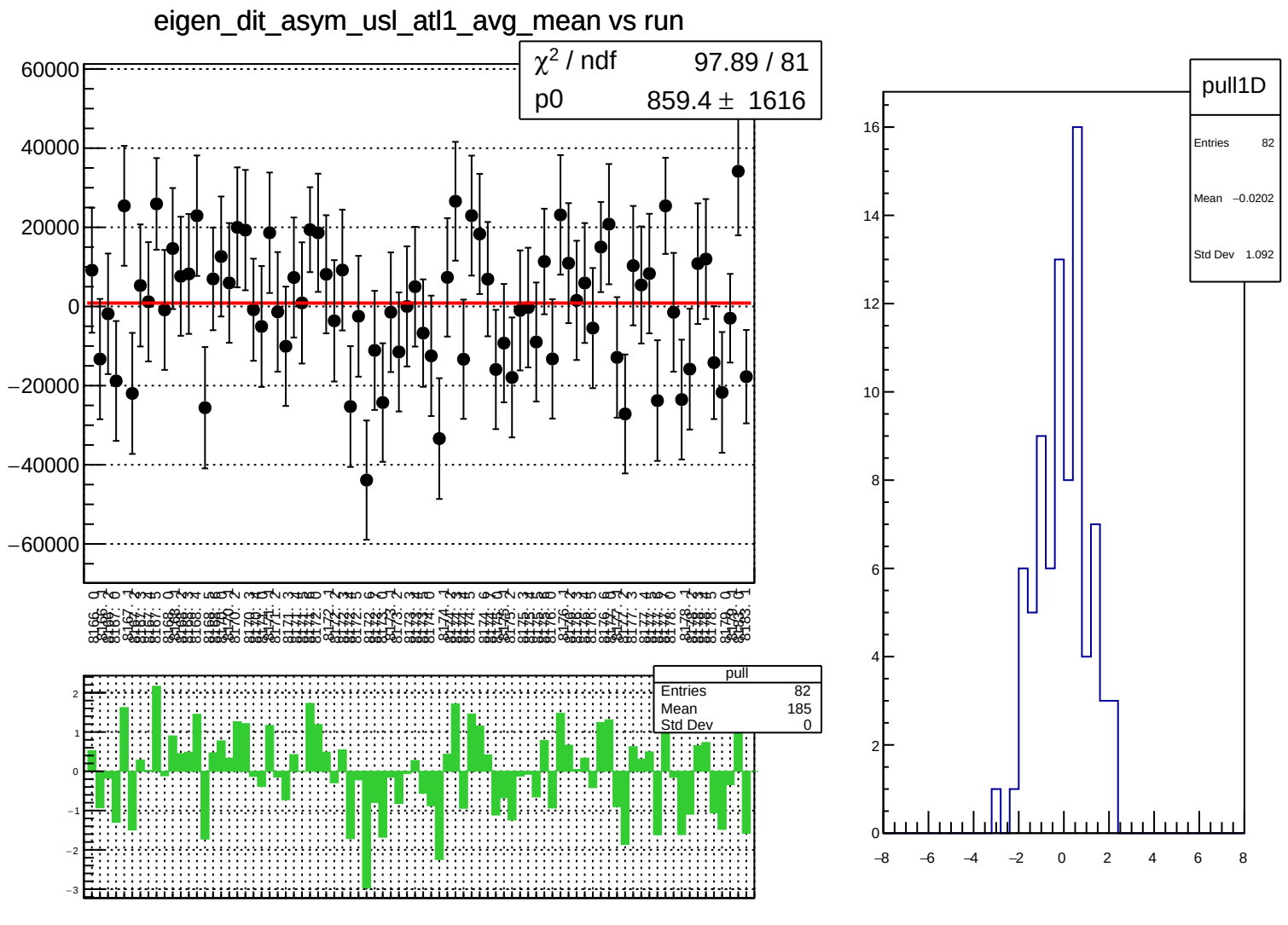

pull1D
Entries 82
Mean −0.0202
Std Dev 1.092

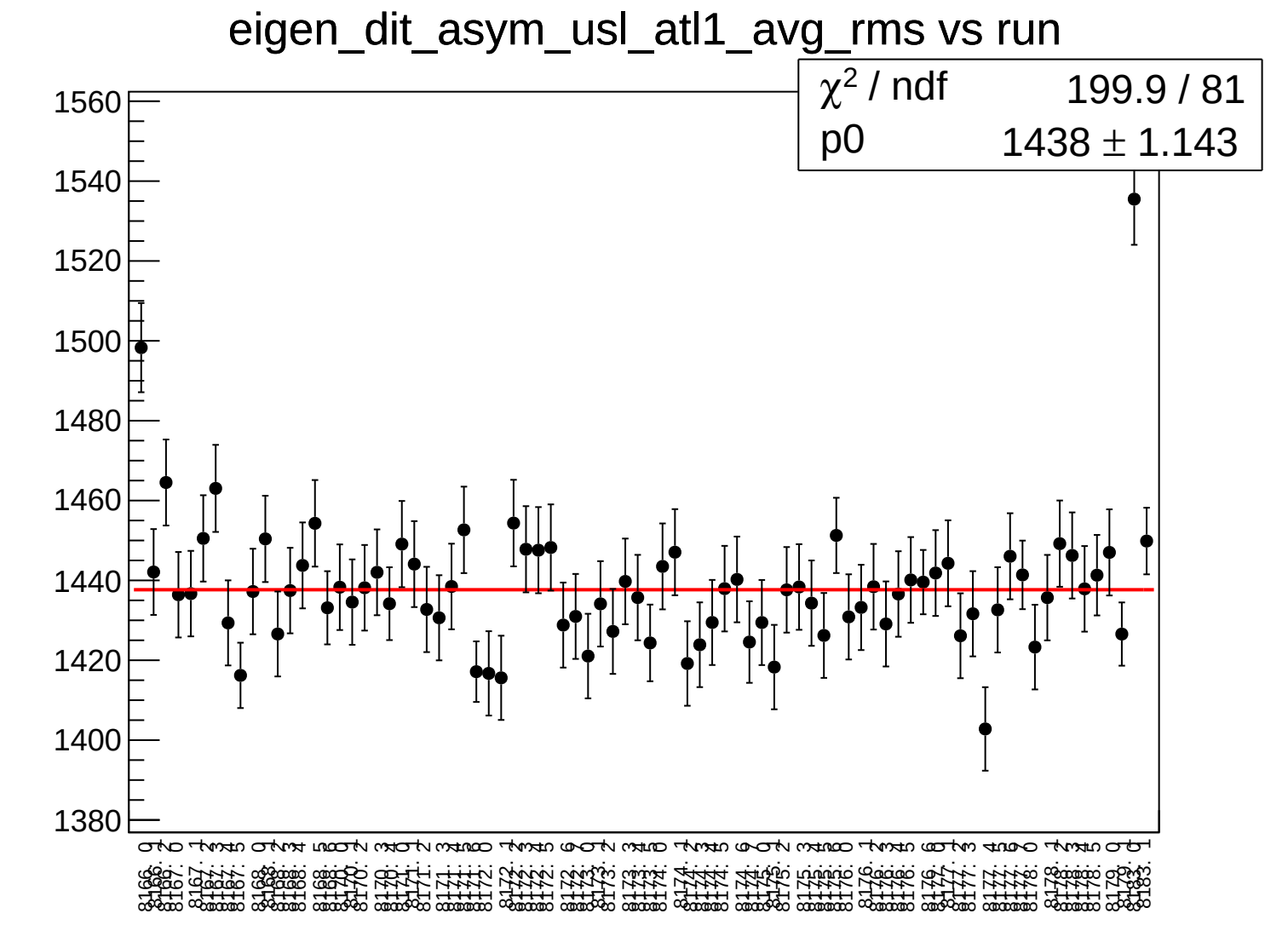

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 199.9 / 81
p0 1438 ± 1.143
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

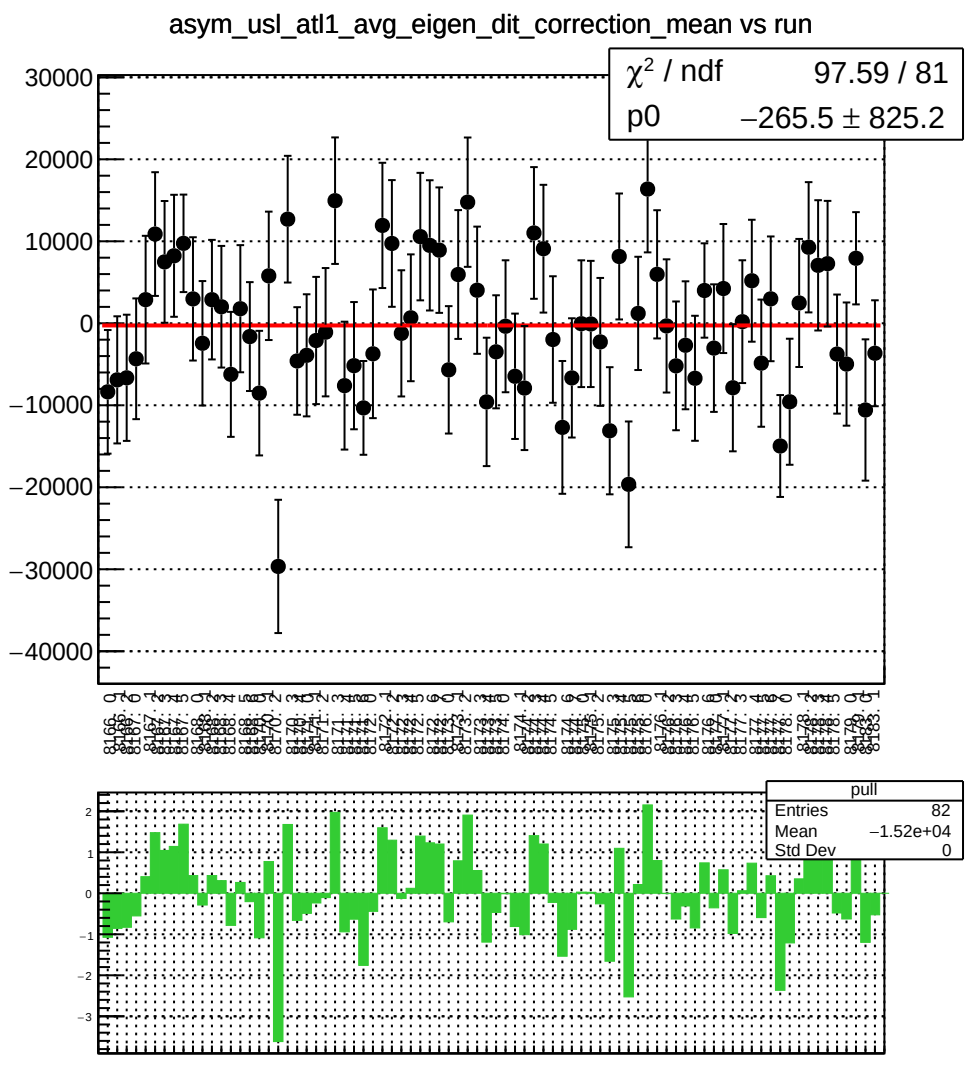

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 97.59 / 81
p0 −265.5 ± 825.2
pull
Entries 82
Mean −1.52e+04
Std Dev 0

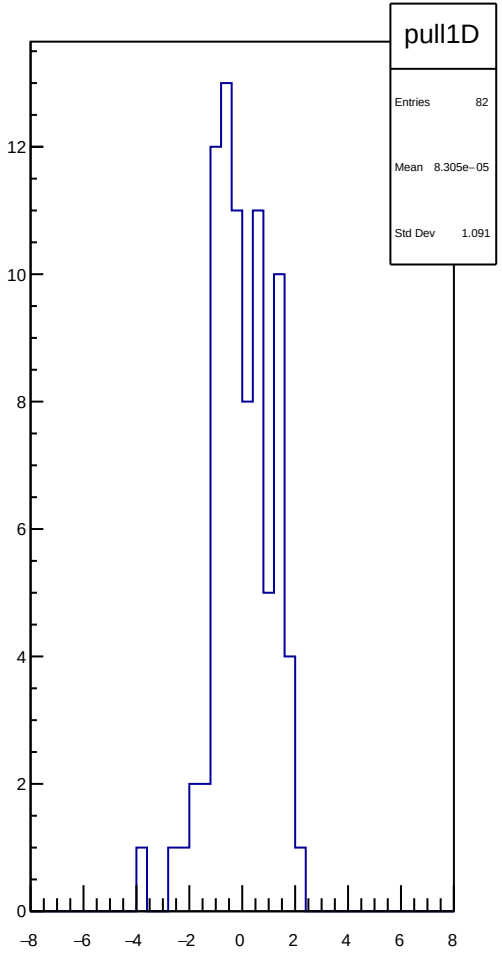

pull1D
Entries 82
Mean 8.305e−05
Std Dev 1.091

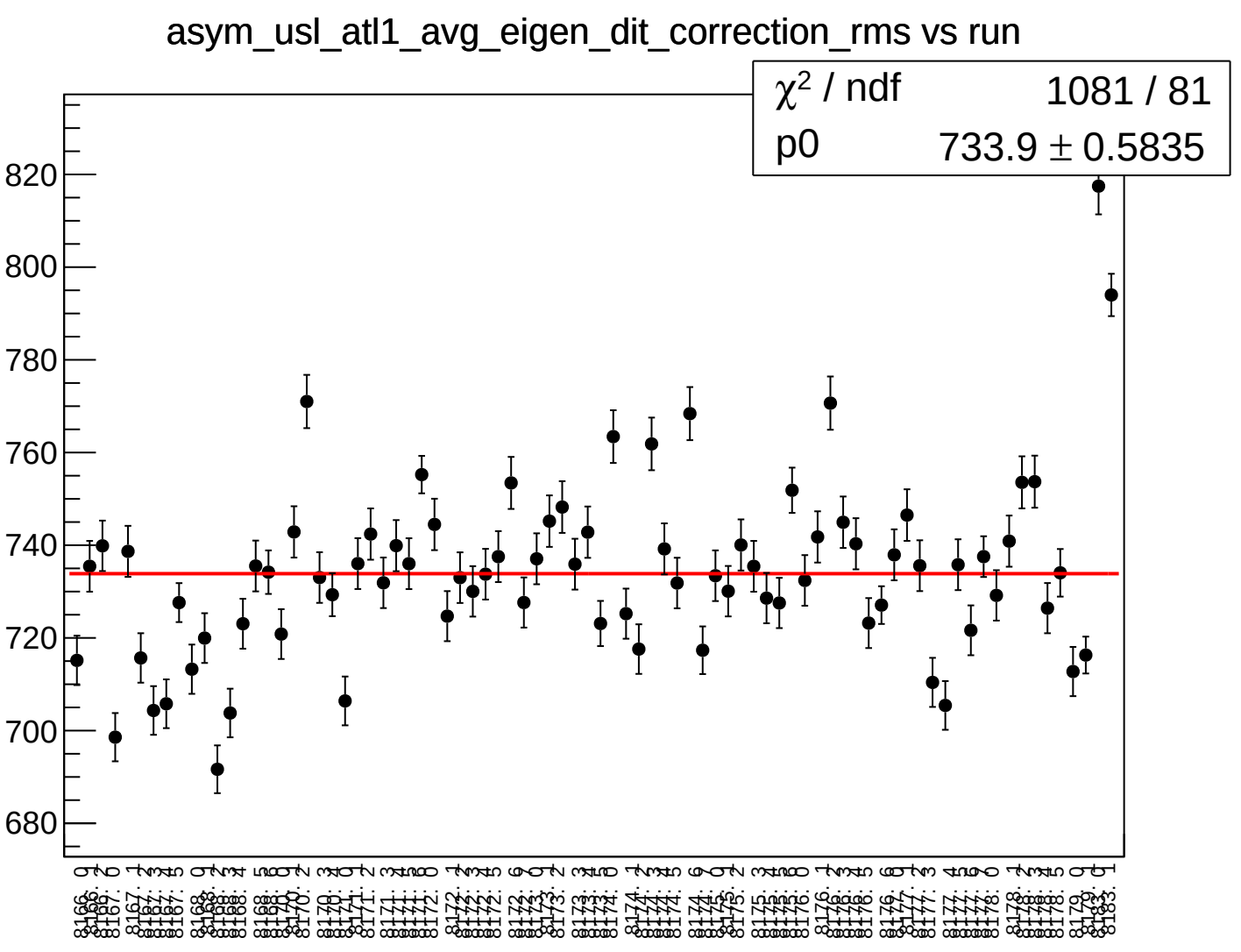

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1081 / 81
p0 733.9 ± 0.5835
820
800
780
760
740
720
700
680

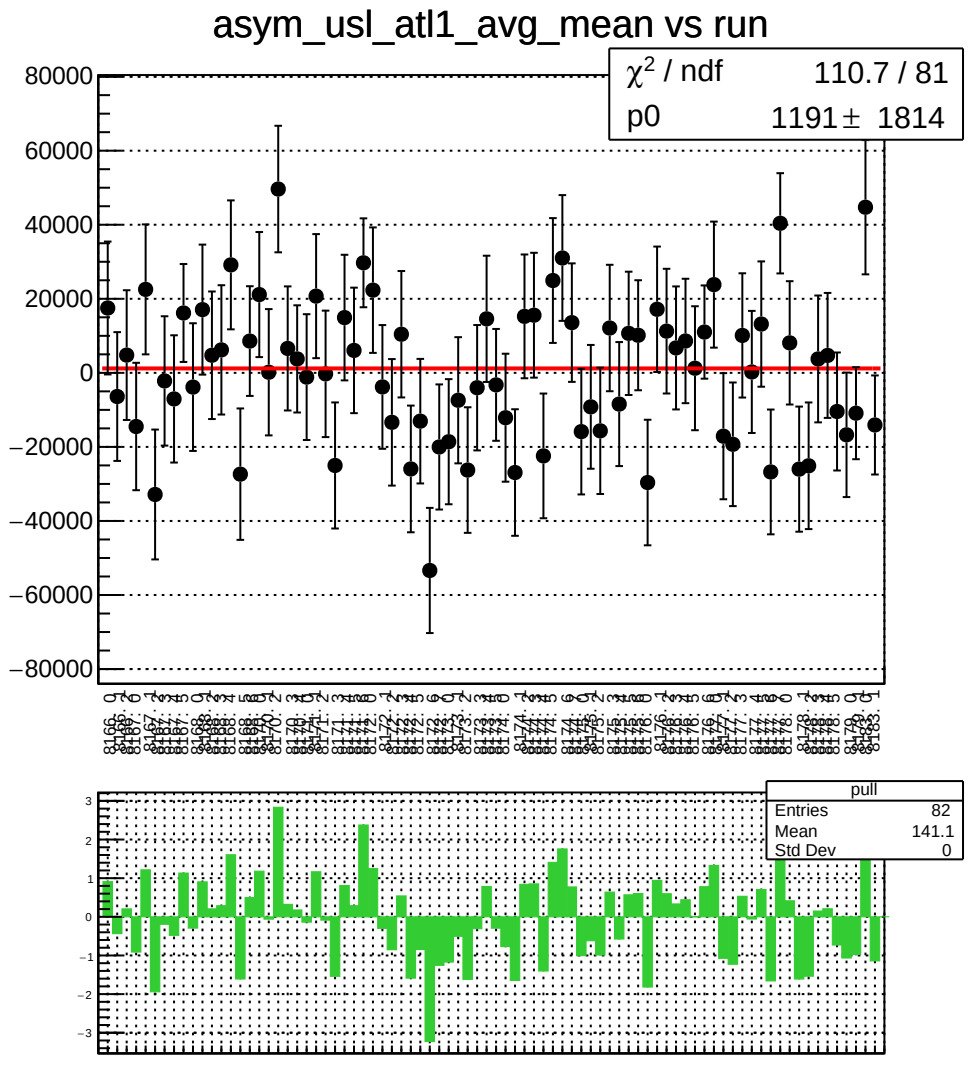

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 97.89 / 81
p0 859.4 ± 1616
pull
Entries 82
Mean 185
Std Dev 0
pull1D
Entries 82
Mean −0.0202
Std Dev 1.092

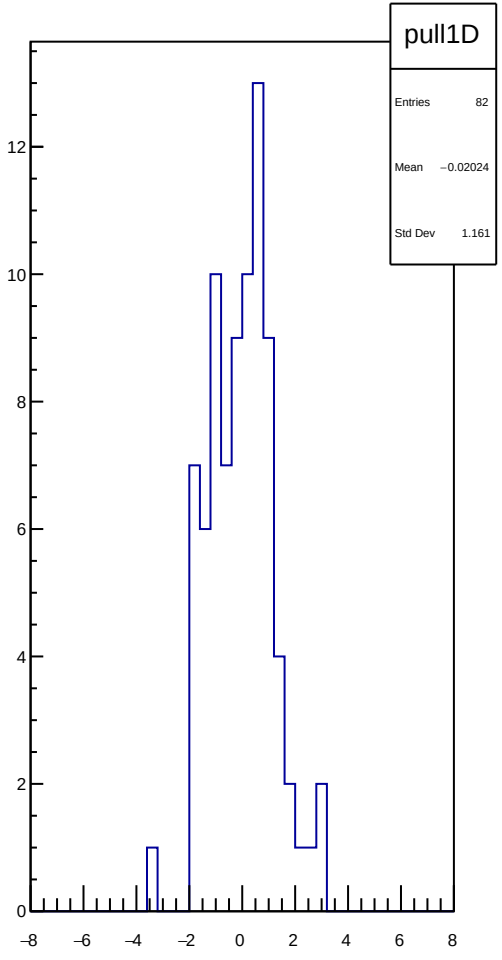

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 199.9 / 81
p0 1438 ± 1.143
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

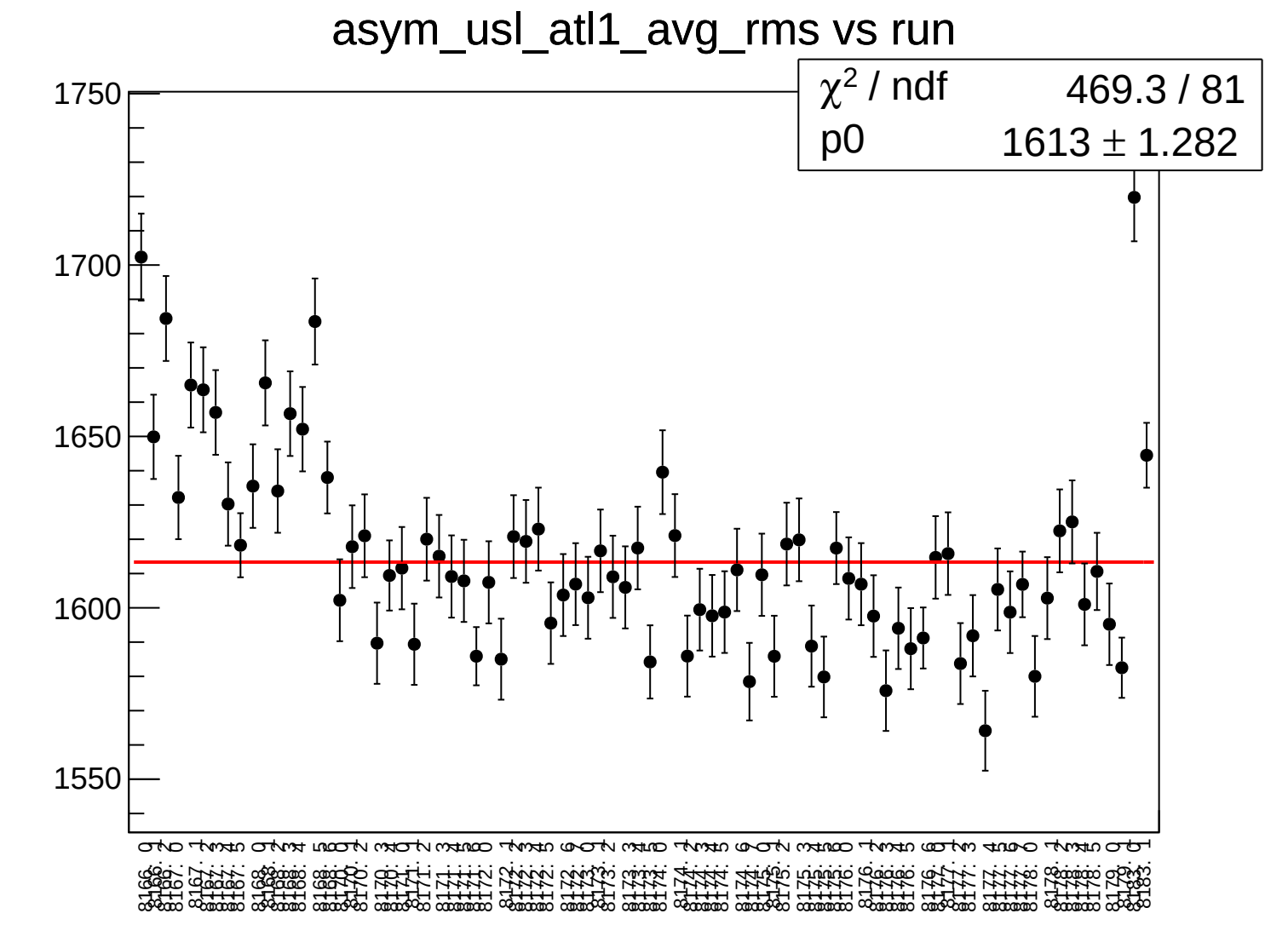

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 97.59 / 81
p0 −265.5 ± 825.2
pull
Entries 82
Mean −1.52e+04
Std Dev 0

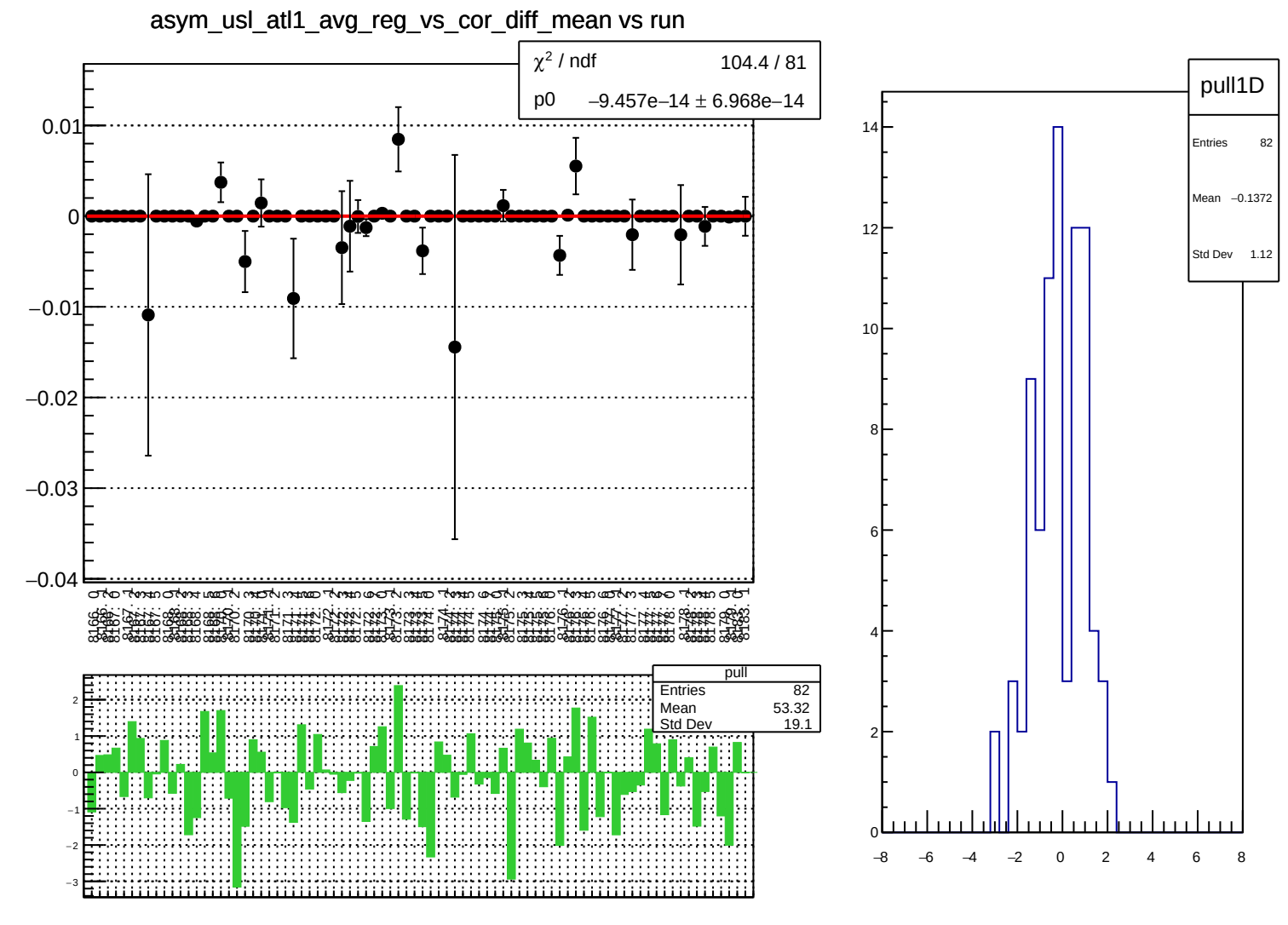

pull1D
Entries 82
Mean 8.305e−05
Std Dev 1.091

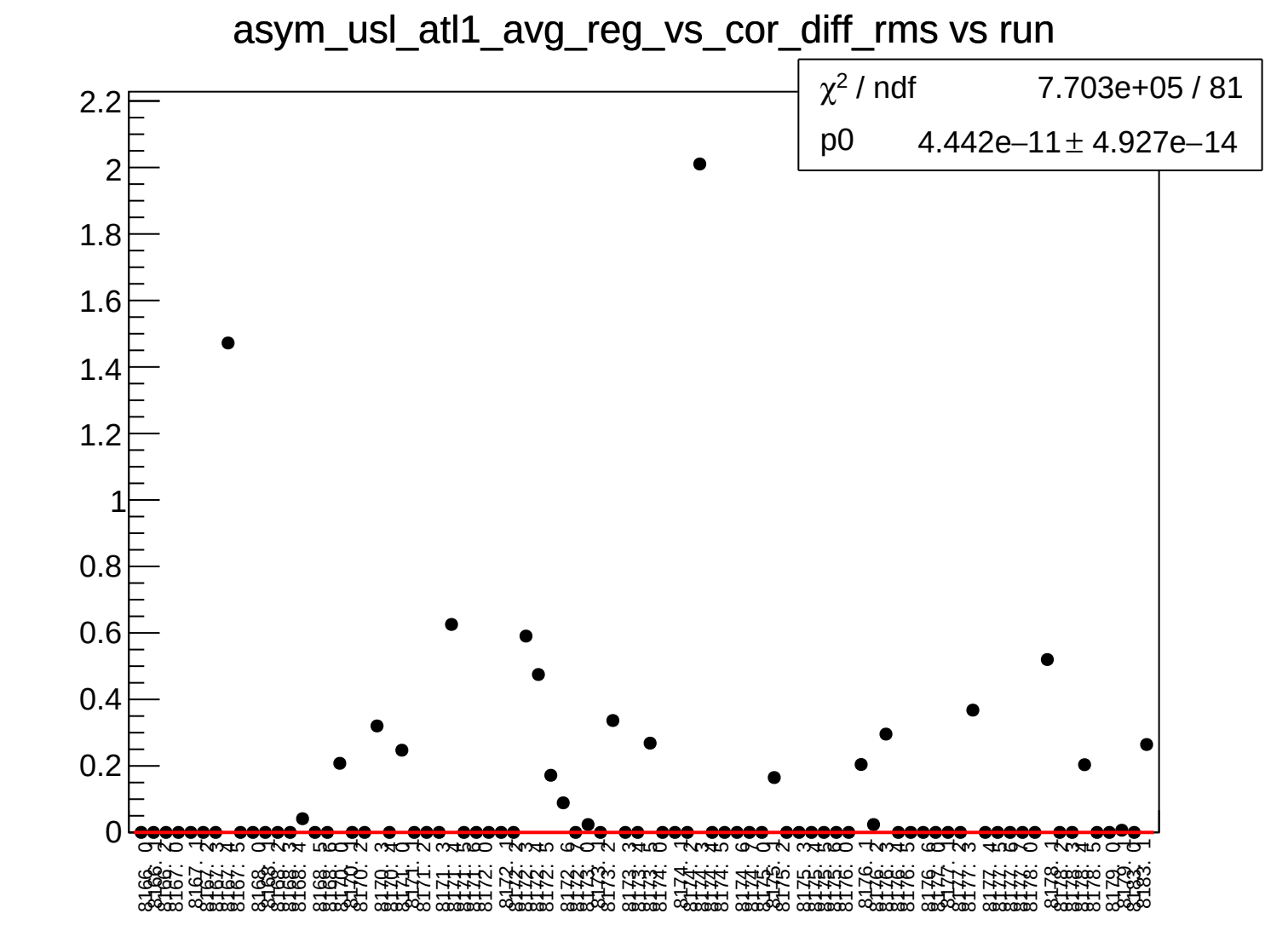

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1081 / 81
p0 733.9 ± 0.5835
820
800
780
760
740
720
700
680

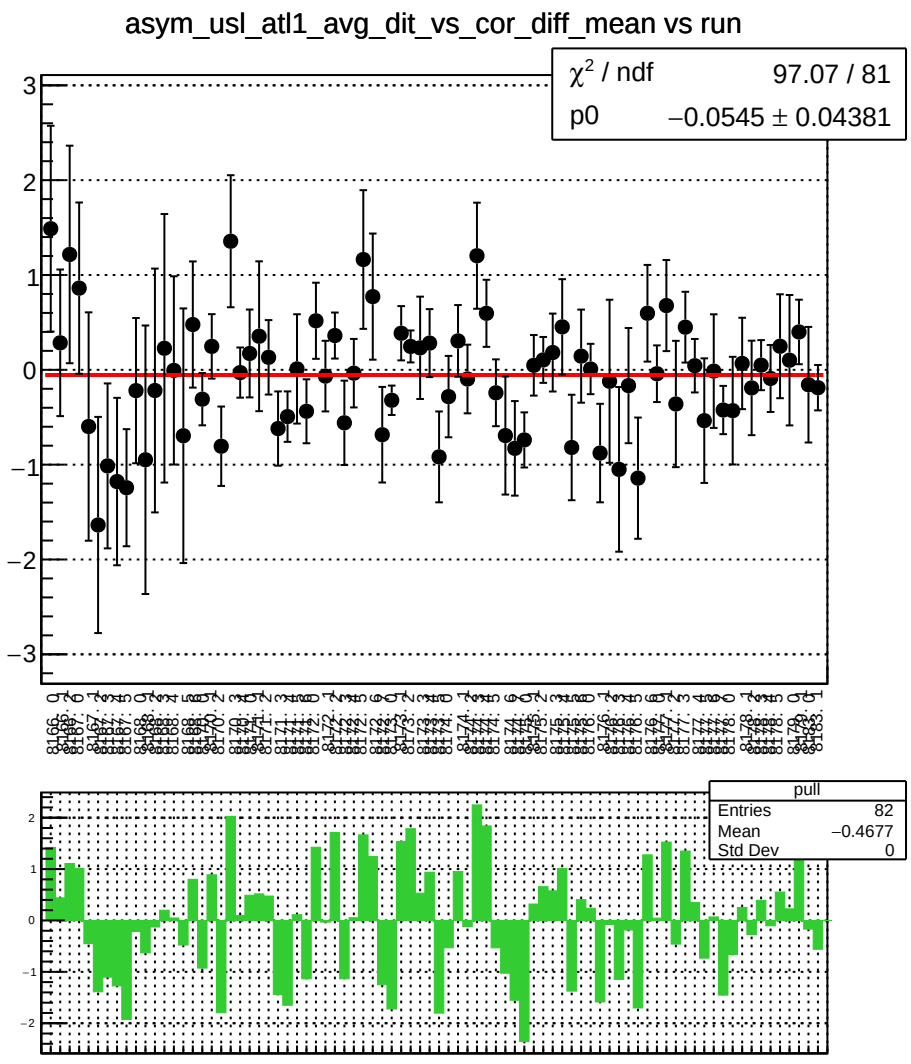

asym_usl_atl1_avg_mean vs run
χ² / ndf 110.7 / 81
p0 1191 ± 1814
pull
Entries 82
Mean 141.1
Std Dev 0

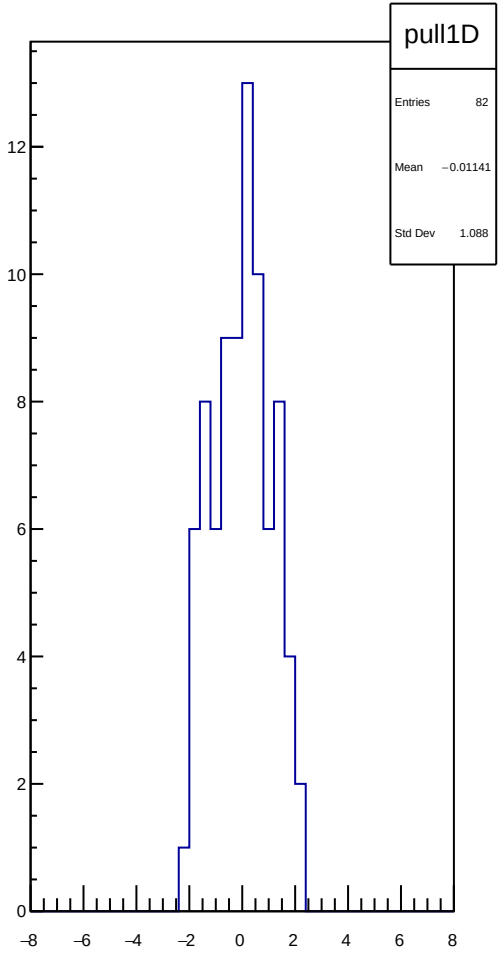

pull1D
Entries 82
Mean −0.02024
Std Dev 1.161

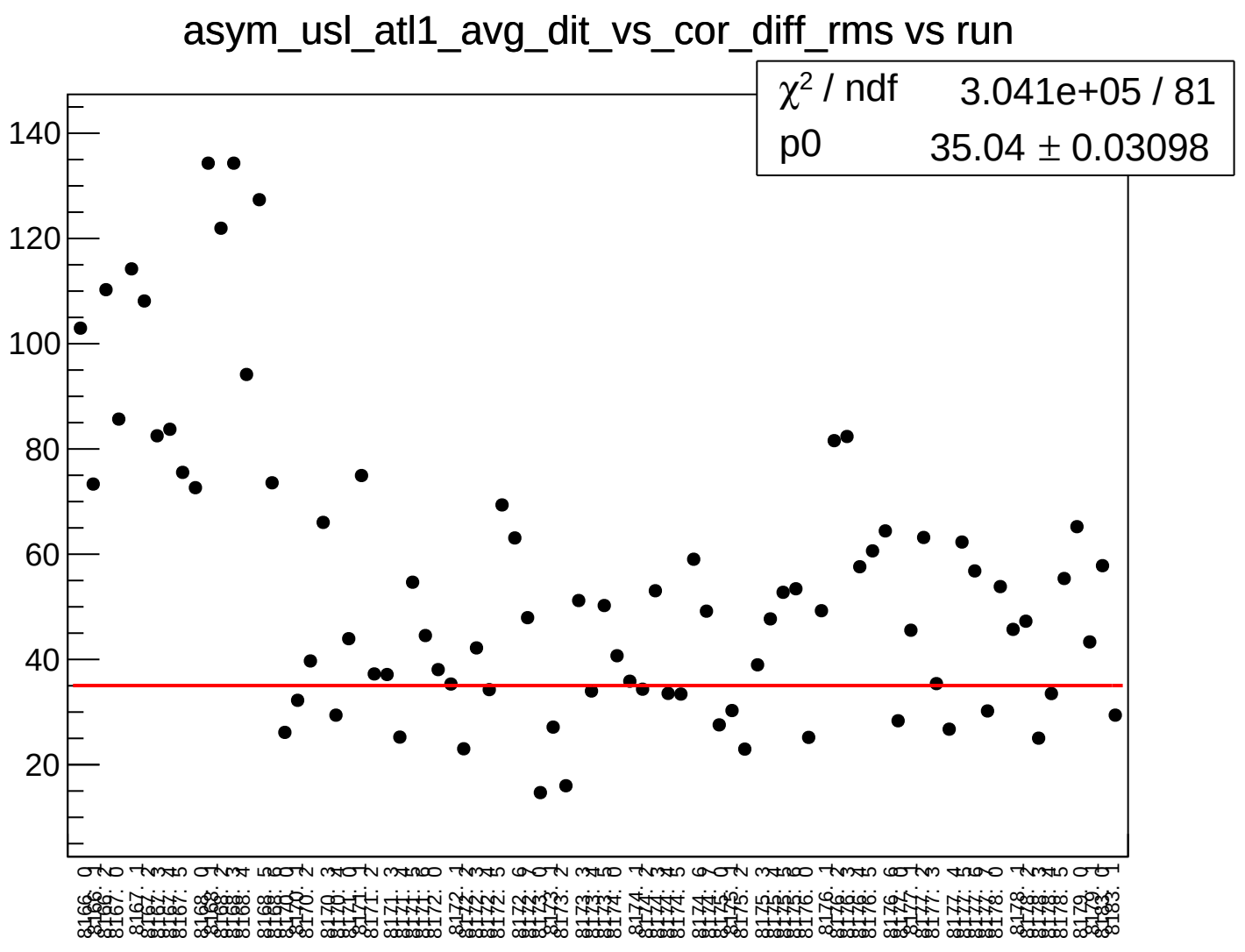

asym_usl_atl1_avg_rms vs run
χ² / ndf 469.3 / 81
p0 1613 ± 1.282
1750
1700
1650
1600
1550

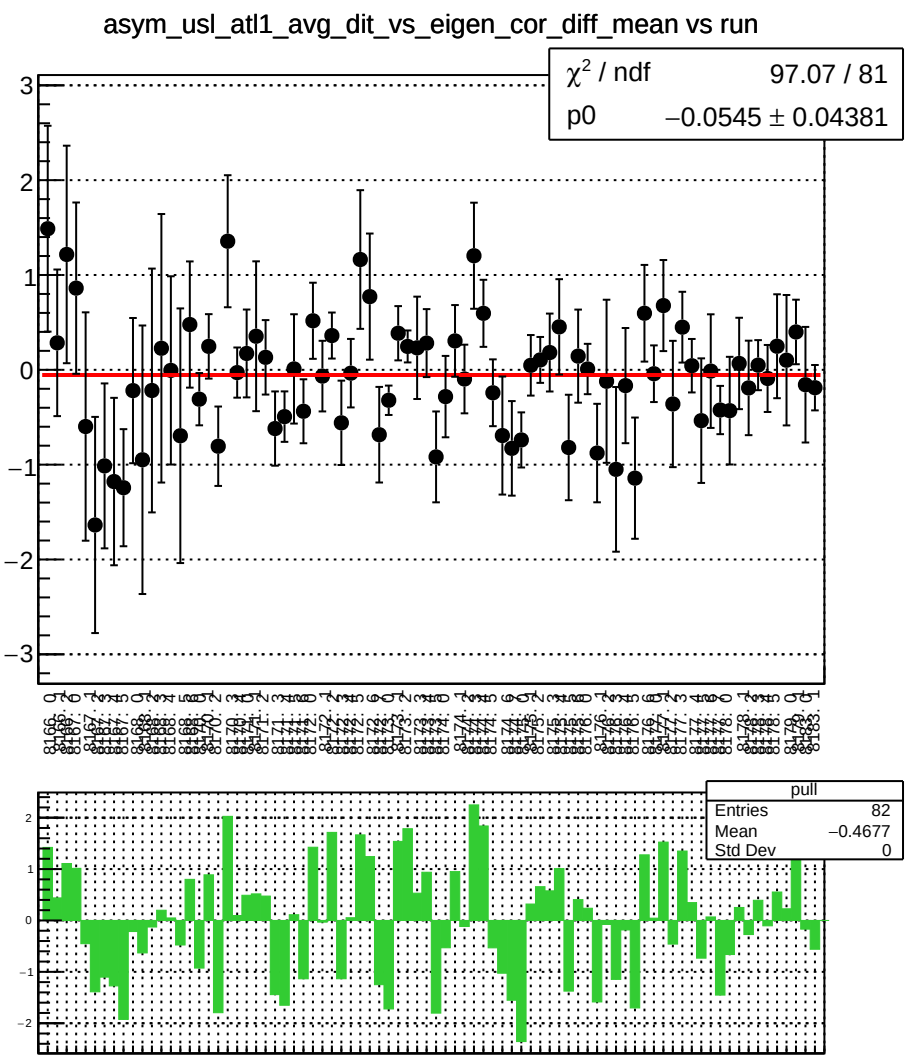

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 104.4 / 81
p0 −9.457e−14 ± 6.968e−14
pull
Entries 82
Mean 53.32
Std Dev 19.1
pull1D
Entries 82
Mean −0.1372
Std Dev 1.12

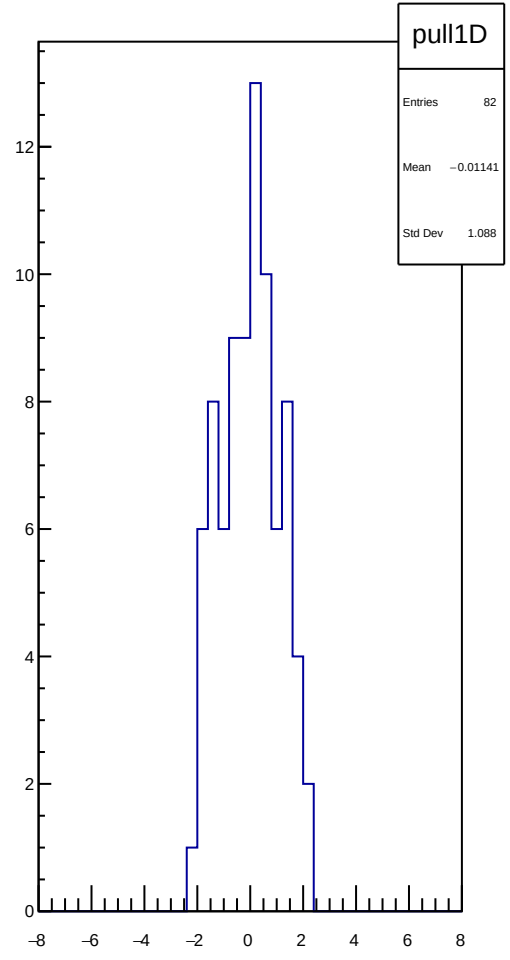

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.703e+05 / 81
p0 4.442e−11 ± 4.927e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

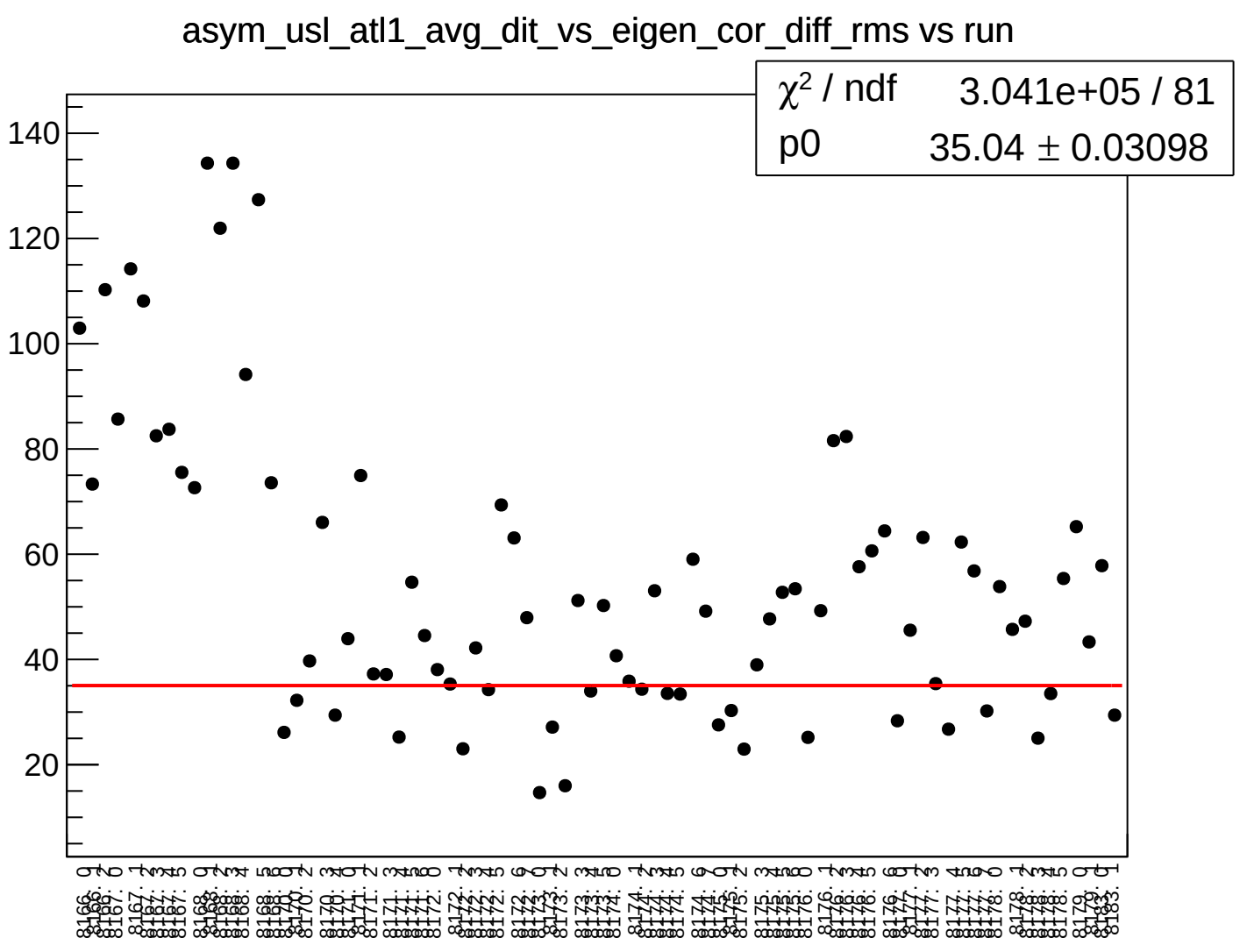

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 97.07 / 81
p0 −0.0545 ± 0.04381
pull
Entries 82
Mean −0.4677
Std Dev 0

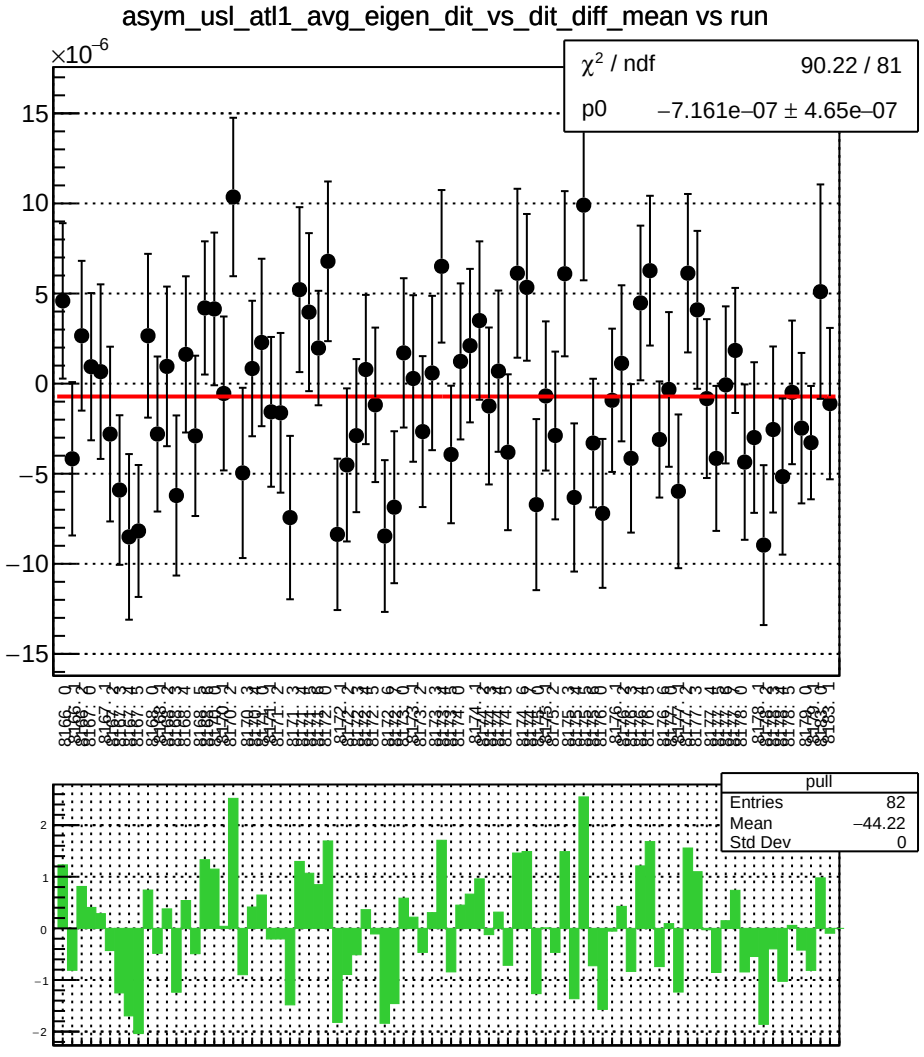

pull1D
Entries 82
Mean −0.01141
Std Dev 1.088

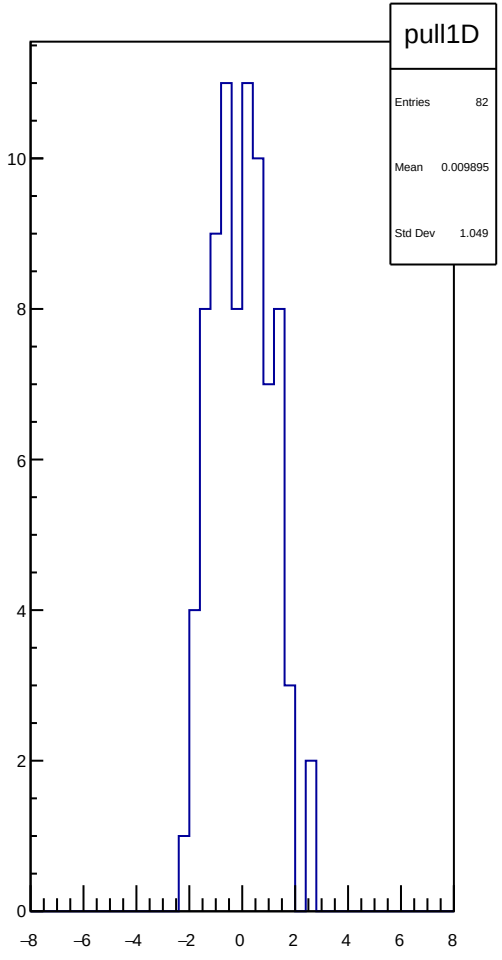

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.041e+05 / 81
p0 35.04 ± 0.03098
140
120
100
80
60
40
20

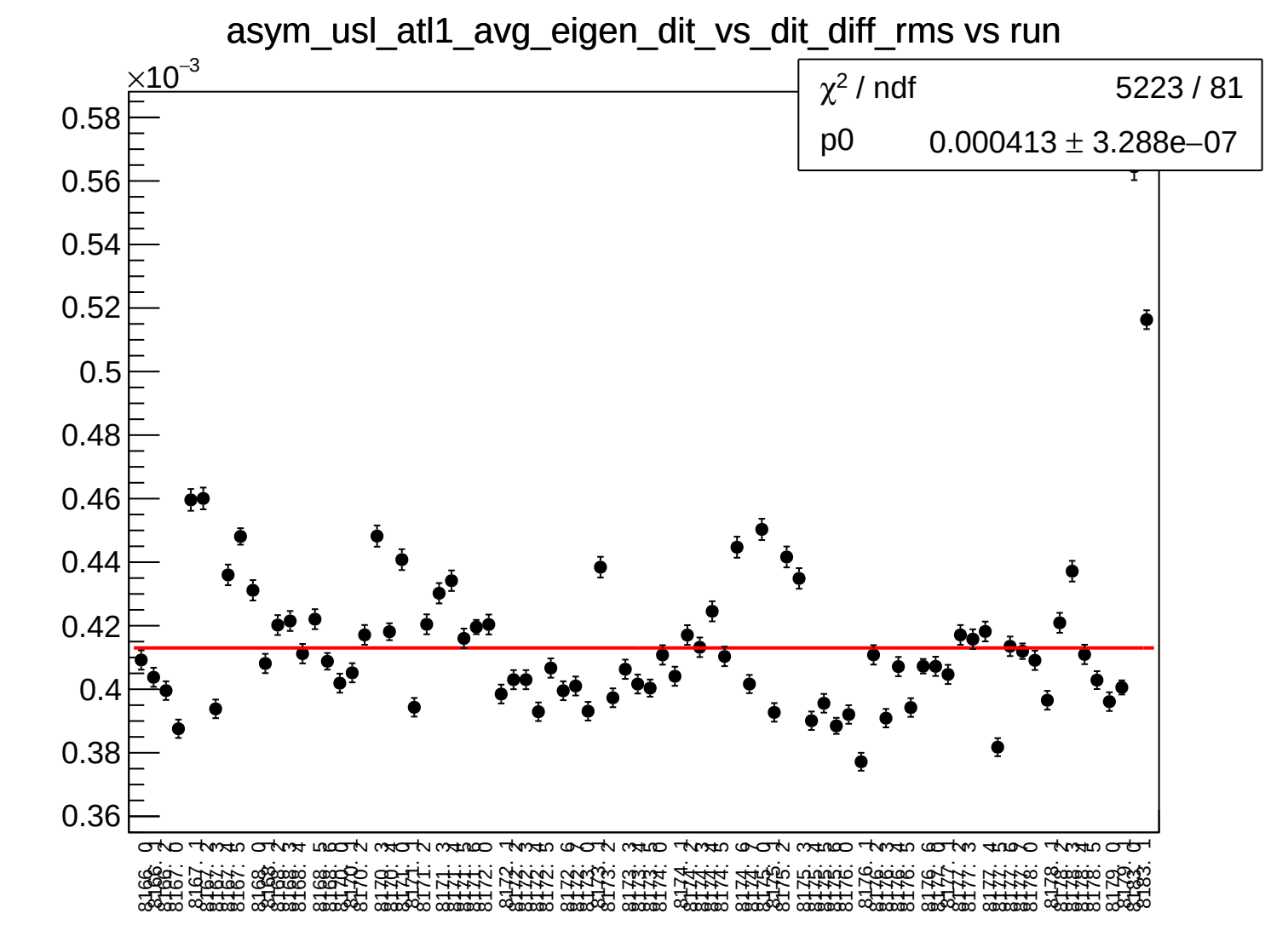

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.07 / 81
p0 −0.0545 ± 0.04381
pull
Entries 82
Mean −0.4677
Std Dev 0

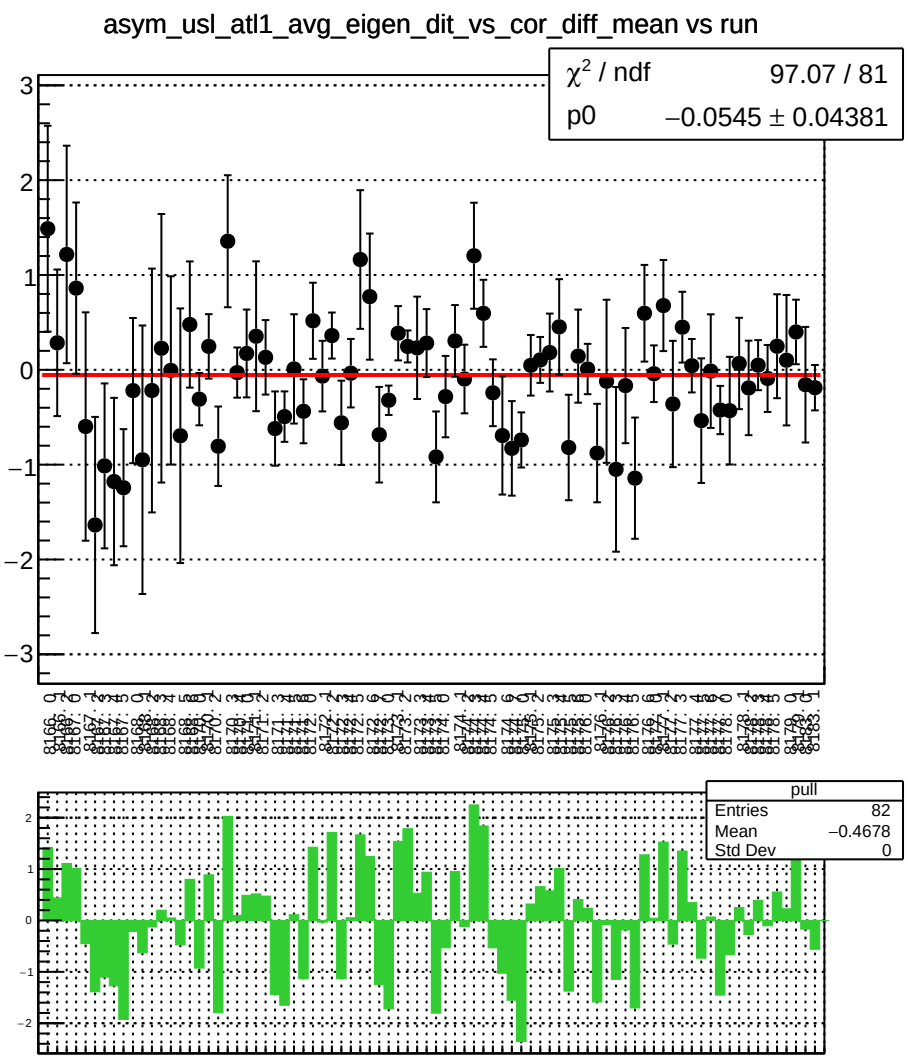

pull1D
Entries 82
Mean −0.01141
Std Dev 1.088

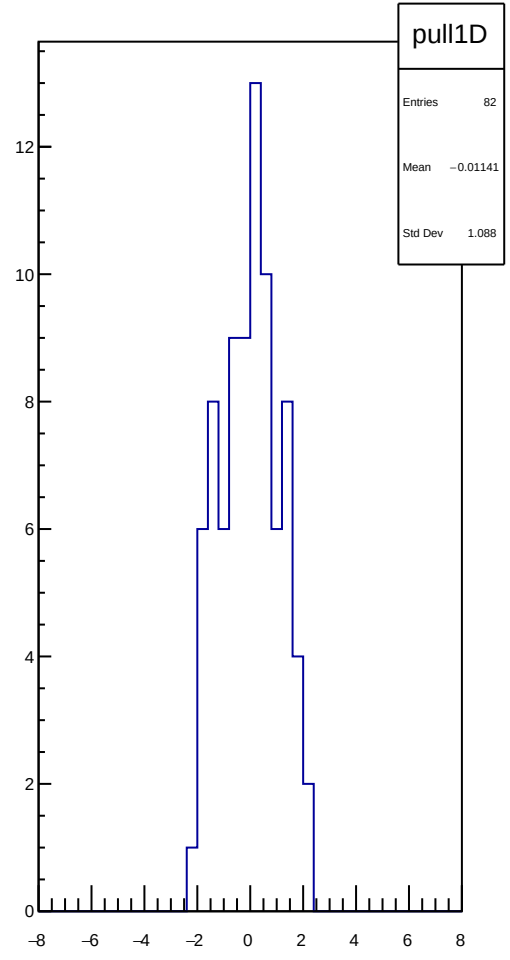

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.041e+05 / 81
p0 35.04 ± 0.03098
140
120
100
80
60
40
20

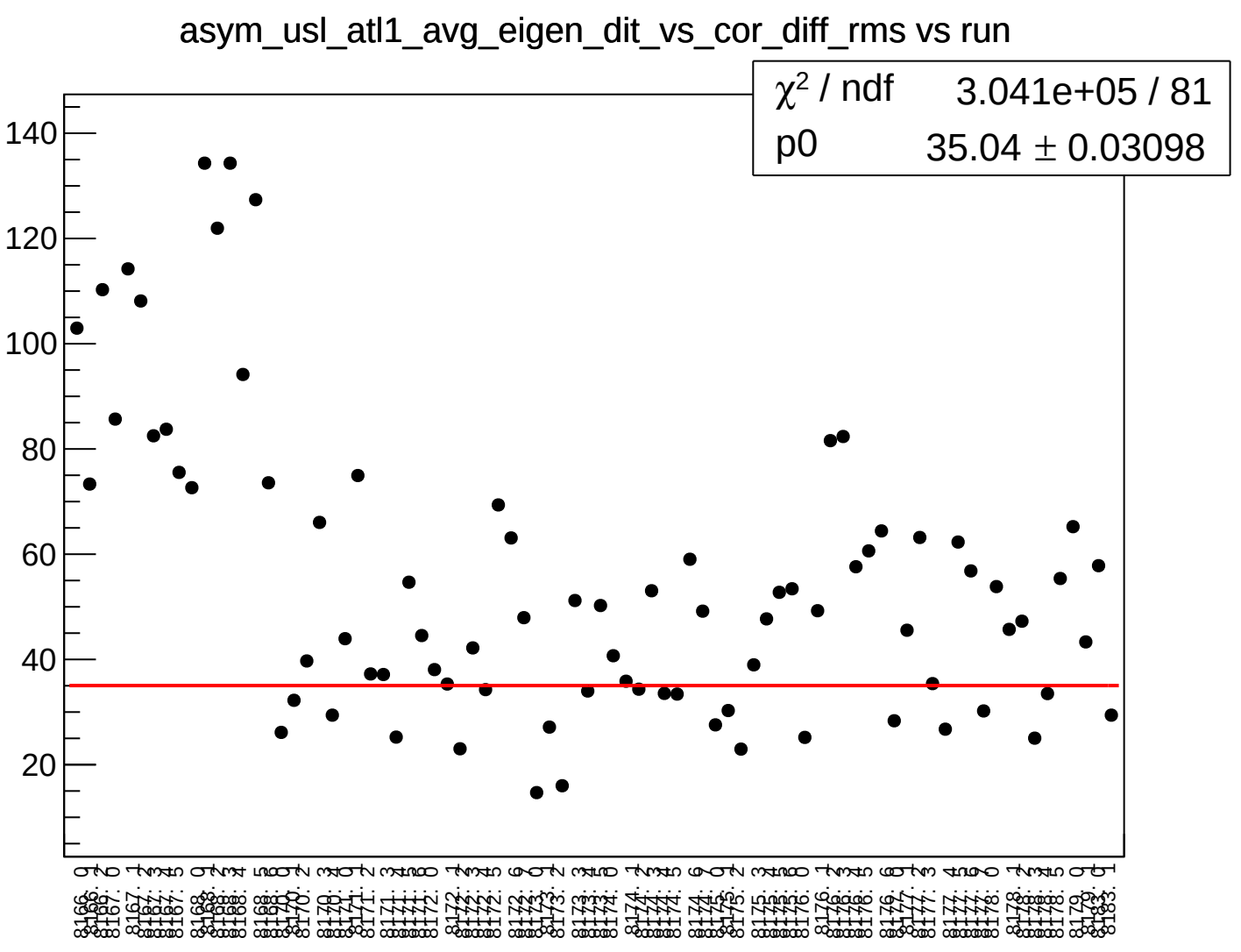

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 90.22 / 81
p0 −7.161e−07 ± 4.65e−07
pull
Entries 82
Mean −44.22
Std Dev 0

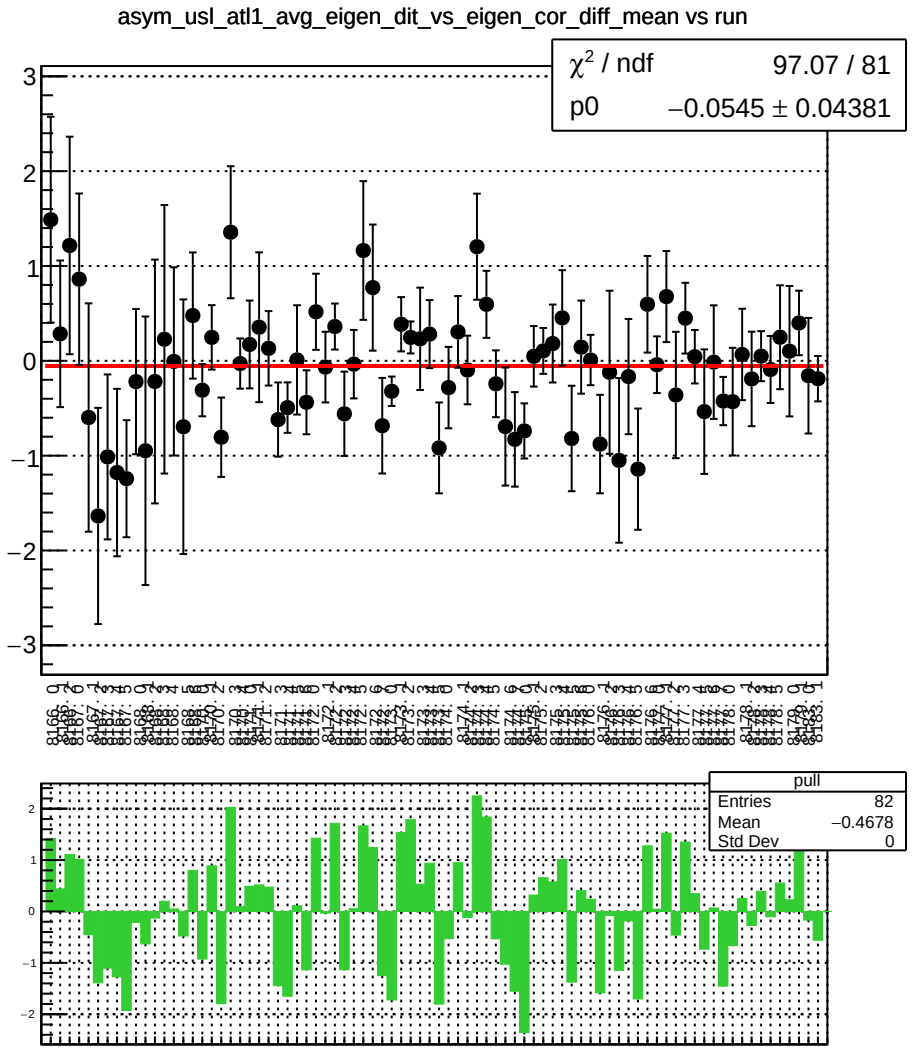

pull1D
Entries 82
Mean 0.009895
Std Dev 1.049

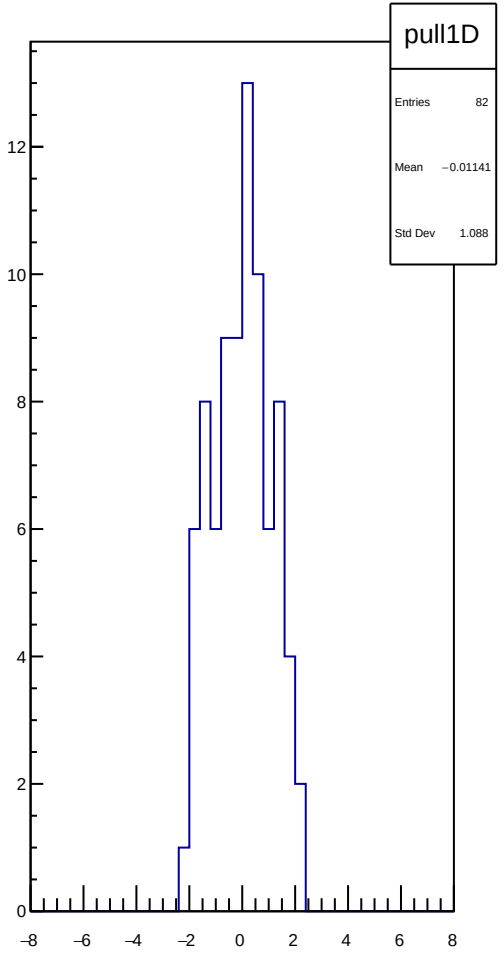

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 5223 / 81
p0 0.000413 ± 3.288e−07
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36

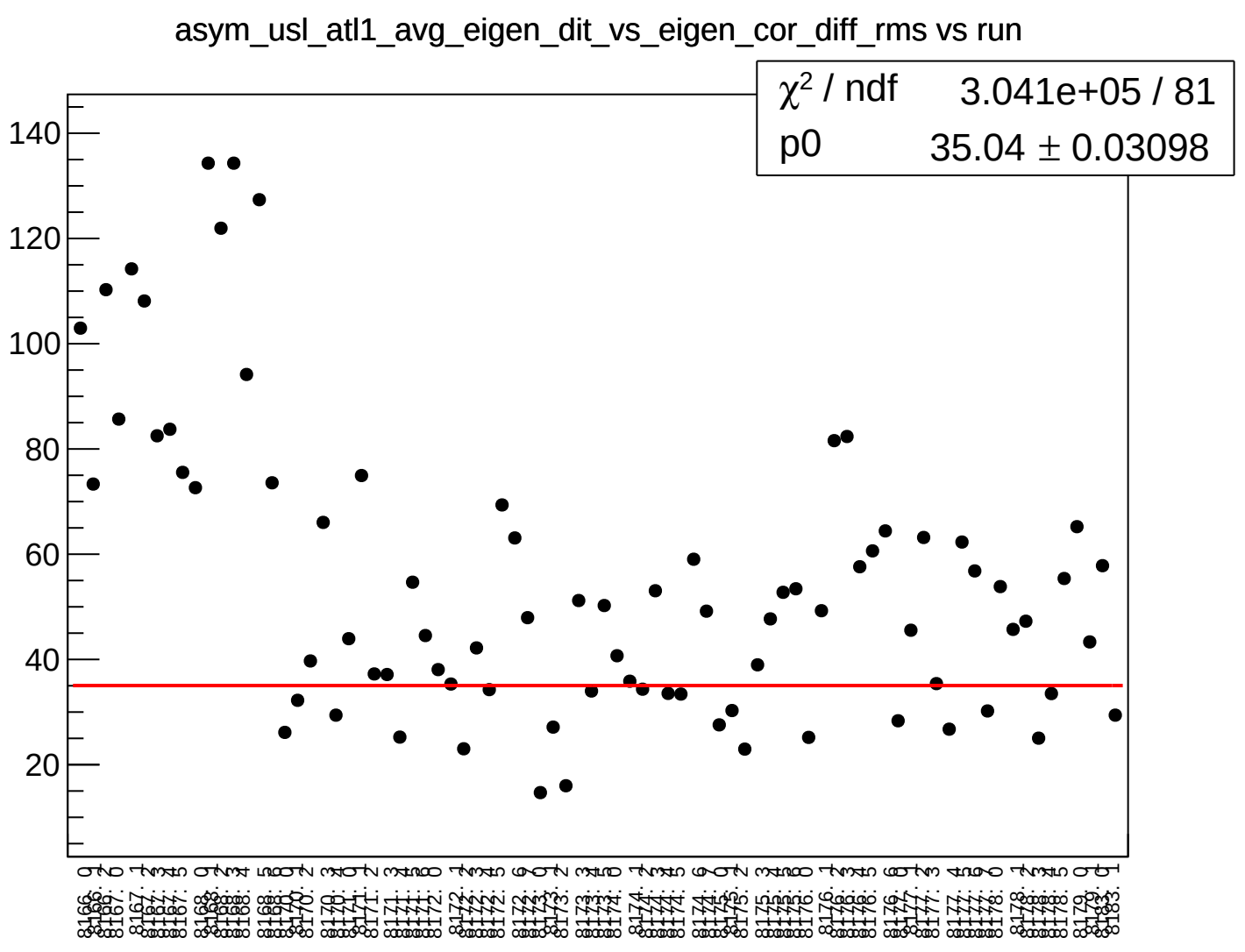

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 97.07 / 81
p0 −0.0545 ± 0.04381
pull
Entries 82
Mean −0.4678
Std Dev 0

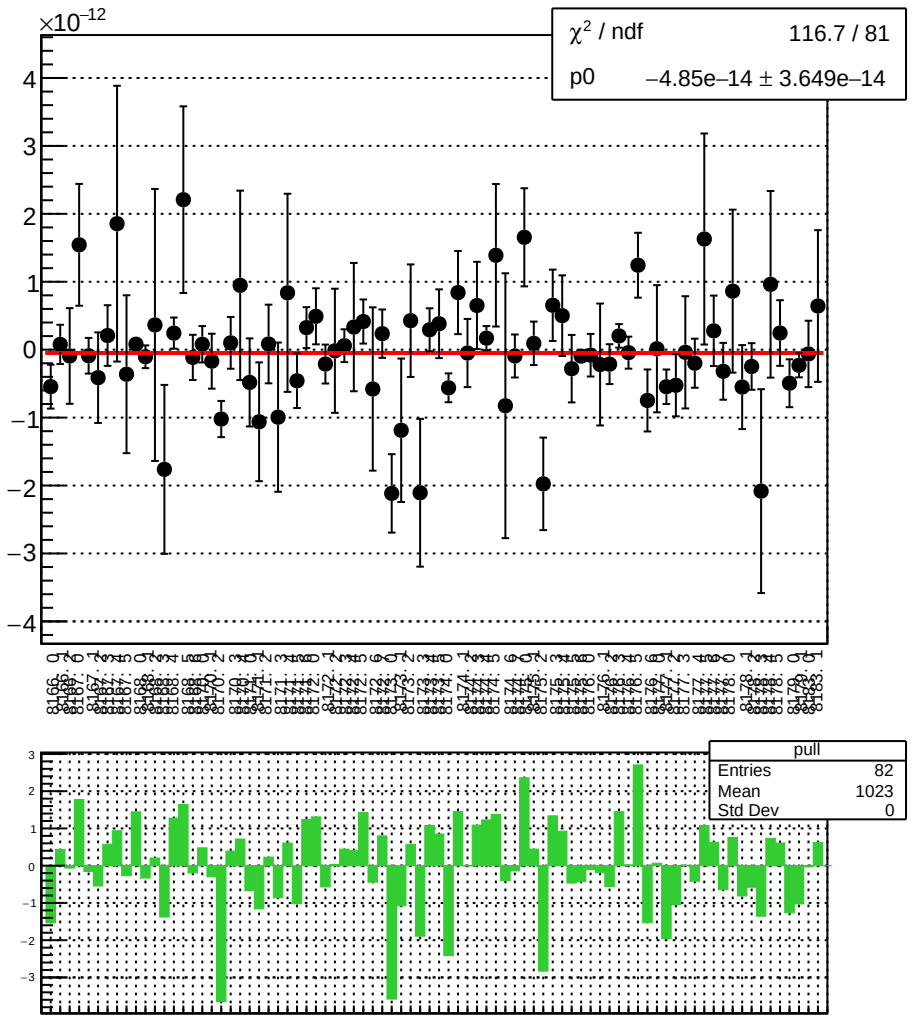

pull1D
Entries 82
Mean −0.01141
Std Dev 1.088

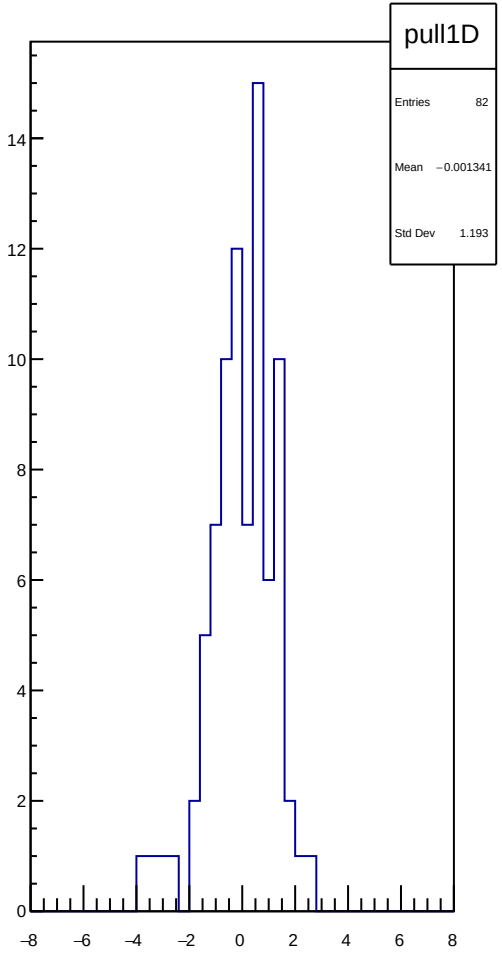

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.041e+05 / 81
p0 35.04 ± 0.03098
140
120
100
80
60
40
20

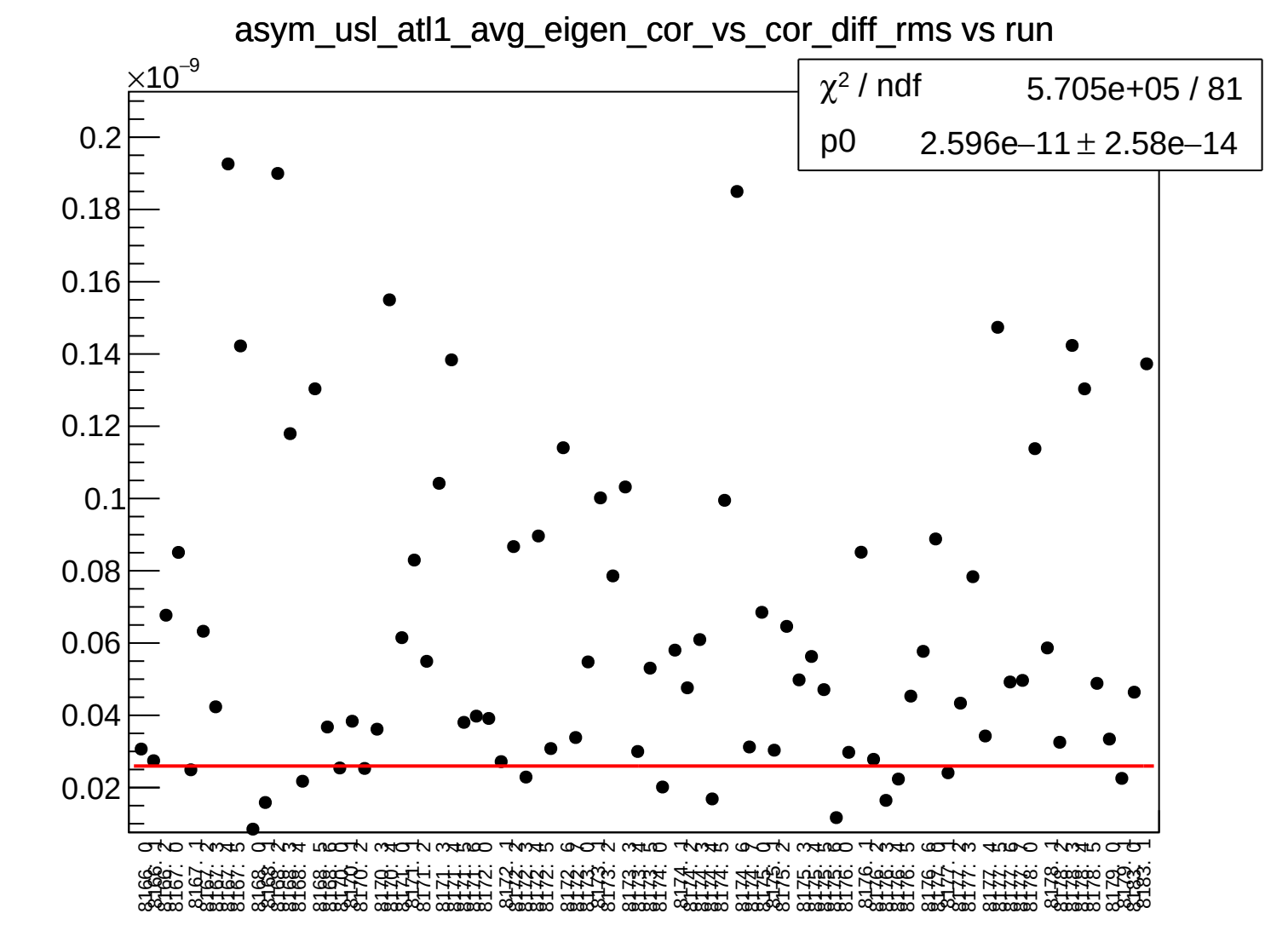

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 97.07 / 81
p0 −0.0545 ± 0.04381
pull
Entries 82
Mean −0.4678
Std Dev 0

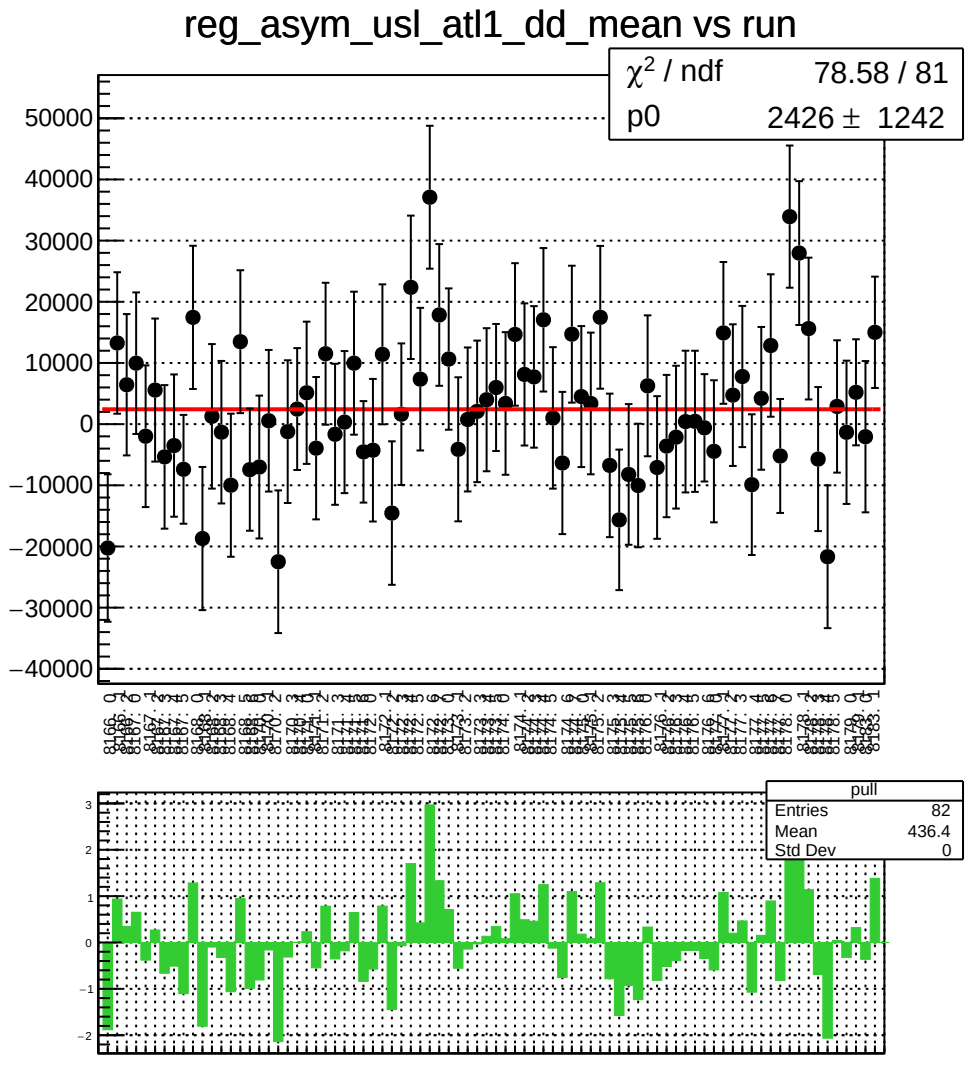

pull1D
Entries 82
Mean −0.01141
Std Dev 1.088

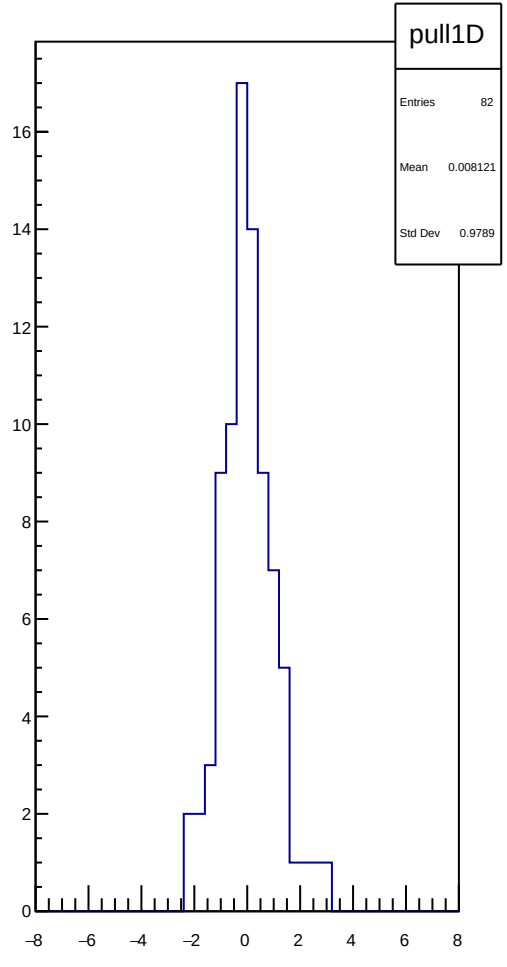

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.041e+05 / 81
p0 35.04 ± 0.03098
140
120
100
80
60
40
20

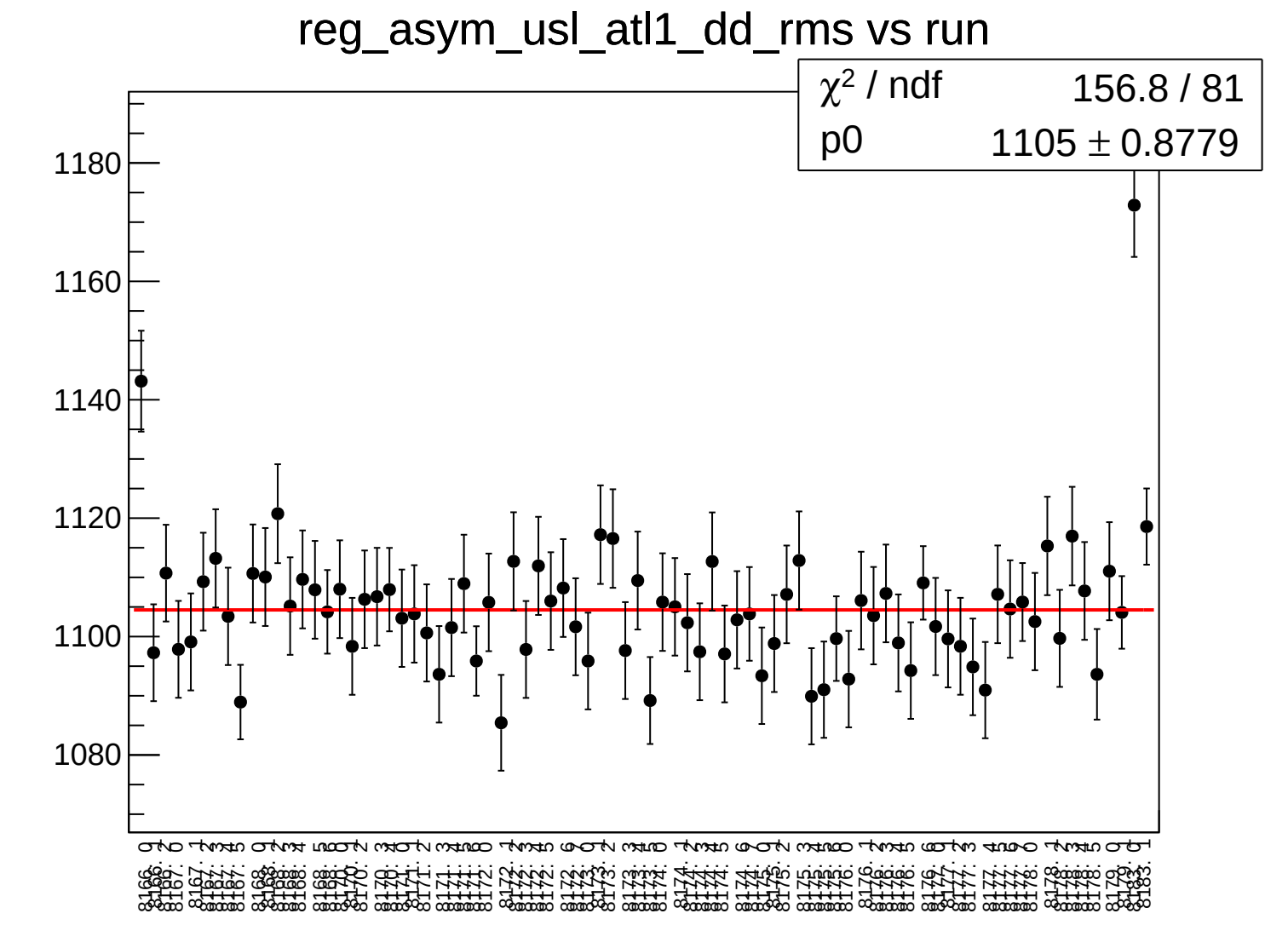

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 116.7 / 81
p0 −4.85e−14 ± 3.649e−14
pull
Entries 82
Mean 1023
Std Dev 0

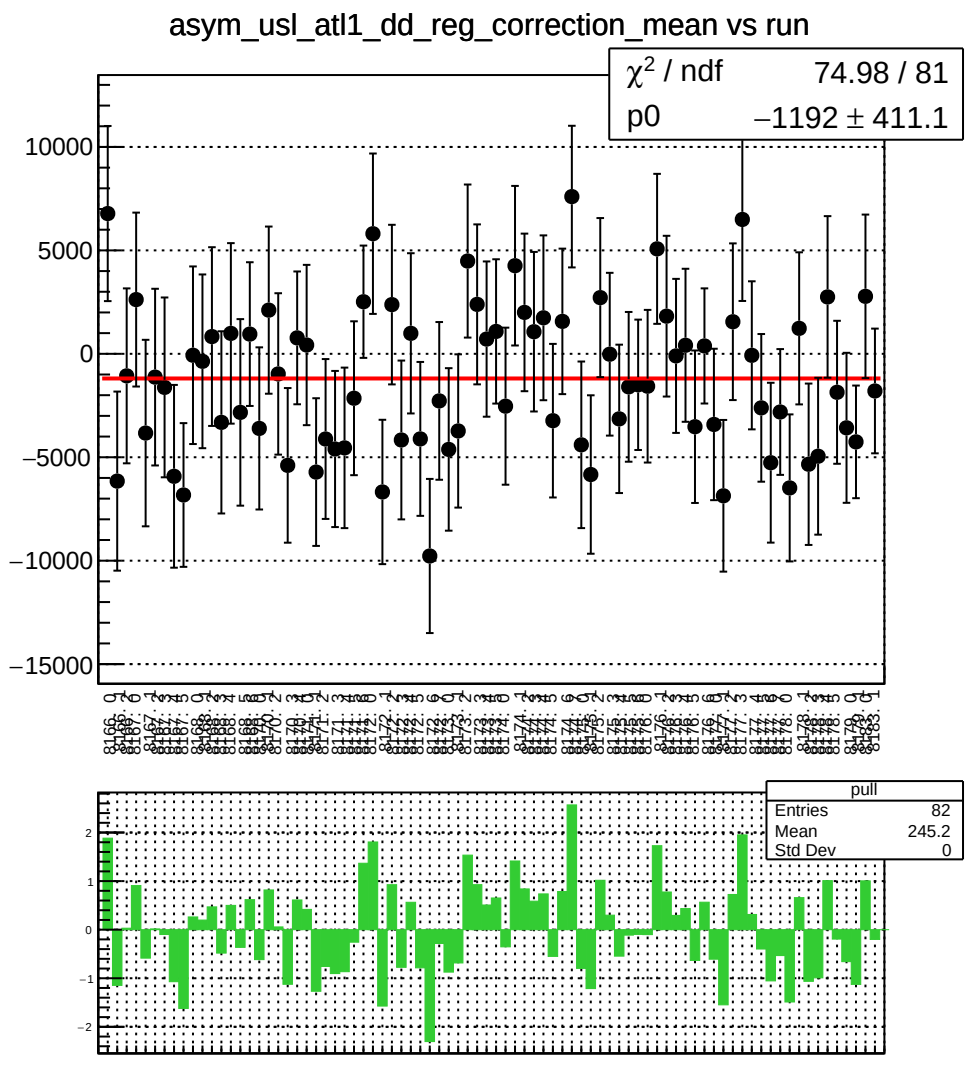

pull1D
Entries 82
Mean −0.001341
Std Dev 1.193

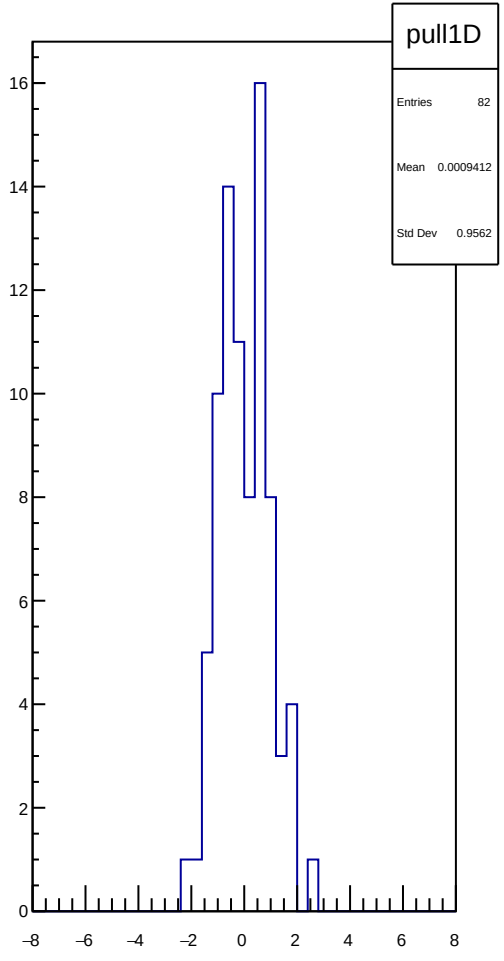

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.705e+05 / 81
p0 2.596e−11 ± 2.58e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

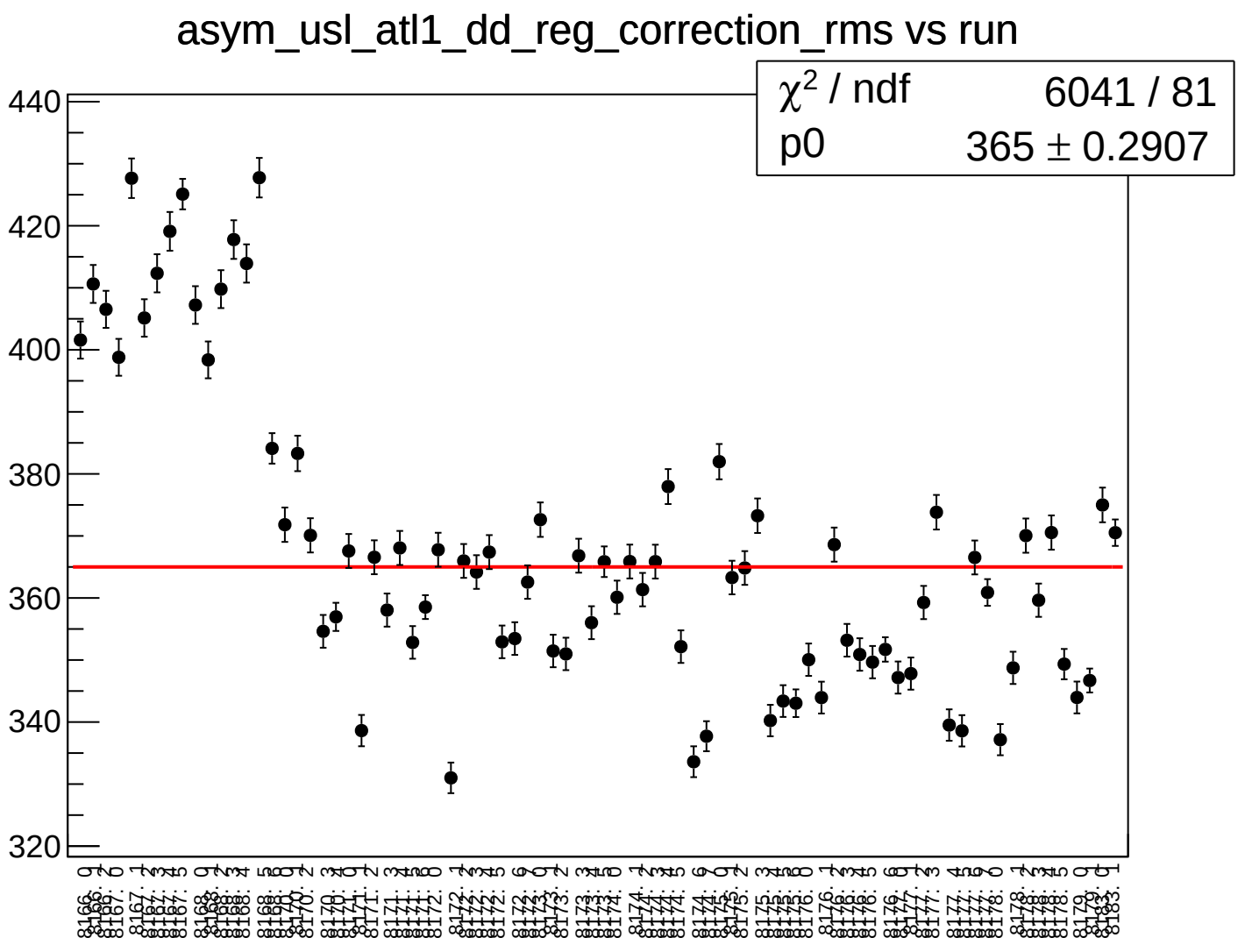

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 78.58 / 81
p0 2426 ± 1242
pull
Entries 82
Mean 436.4
Std Dev 0

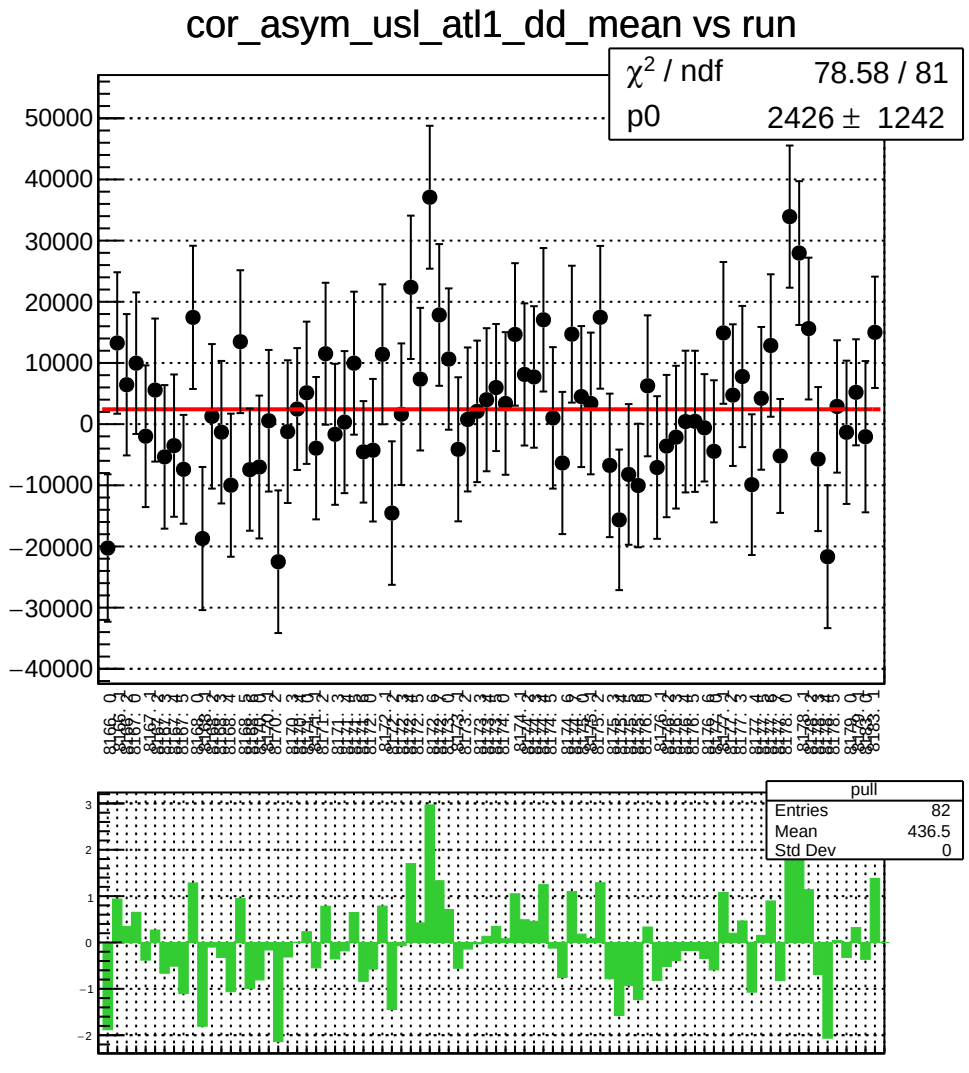

pull1D
Entries 82
Mean 0.008121
Std Dev 0.9789

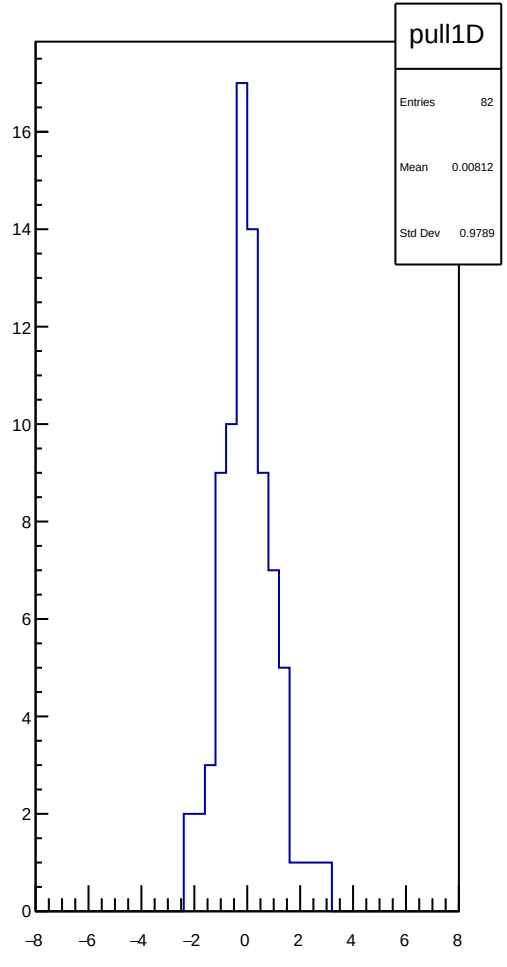

reg_asym_usl_atl1_dd_rms vs run
χ^2 / ndf 156.8 / 81
p0 1105 ± 0.8779
1180
1160
1140
1120
1100
1080

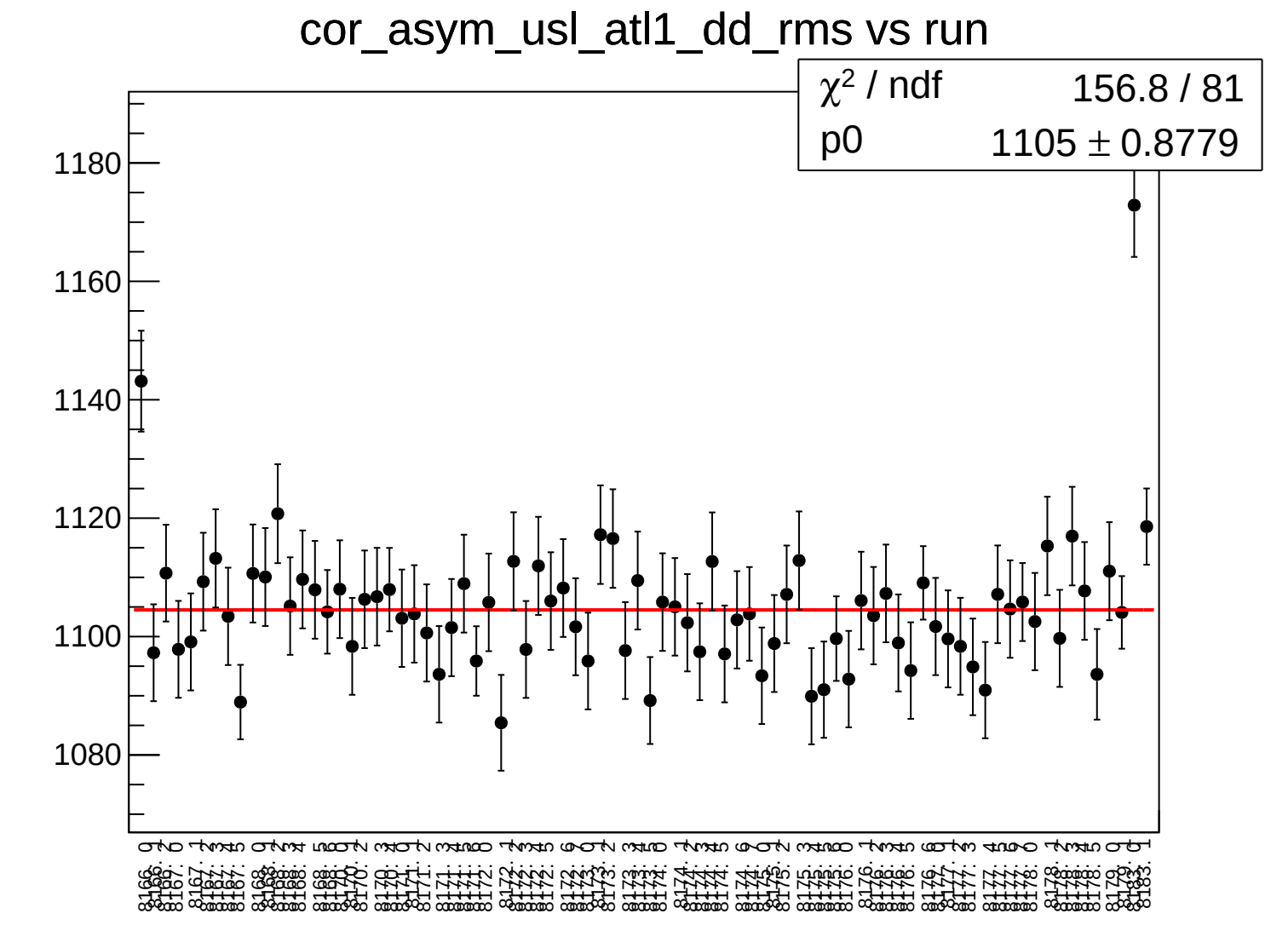

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 74.98 / 81
p0 −1192 ± 411.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 245.2
Std Dev 0
2
1
0
−1
−2

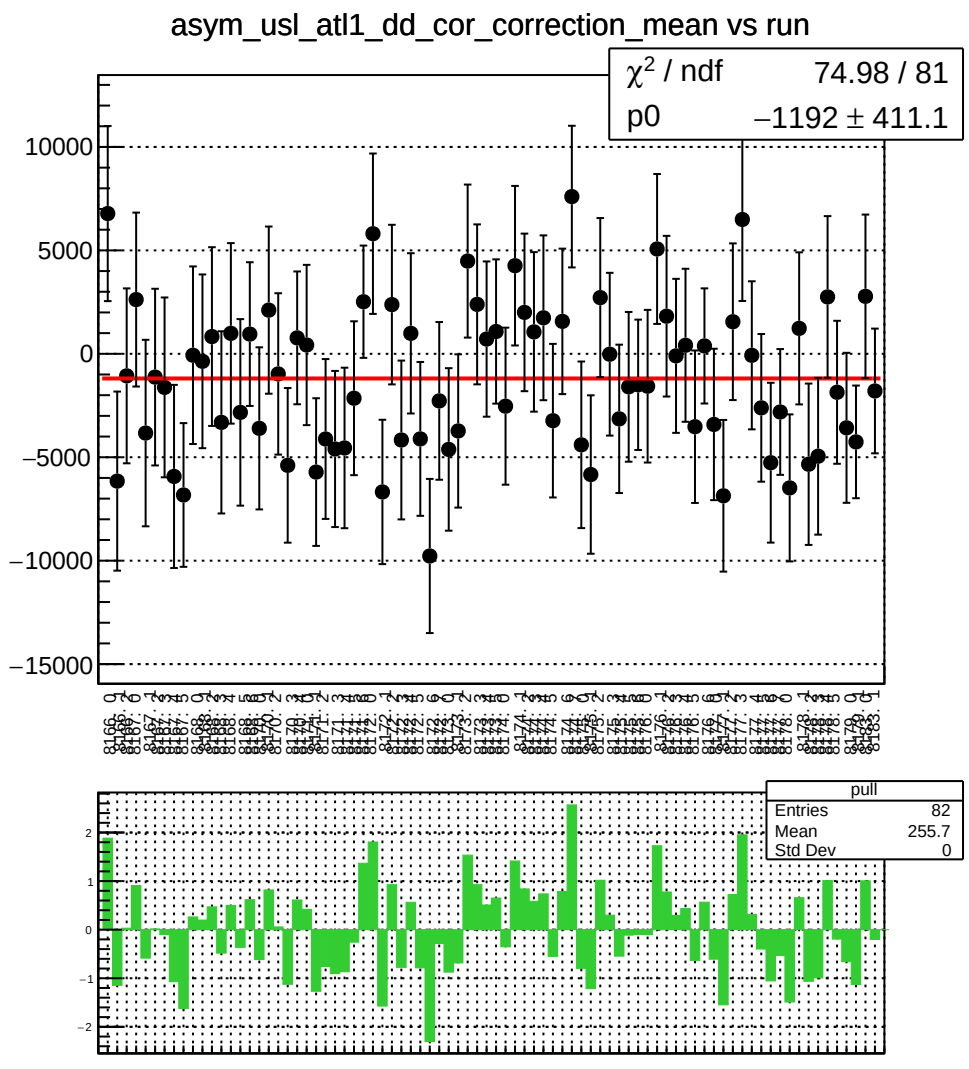

pull1D
Entries 82
Mean 0.0009412
Std Dev 0.9562
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

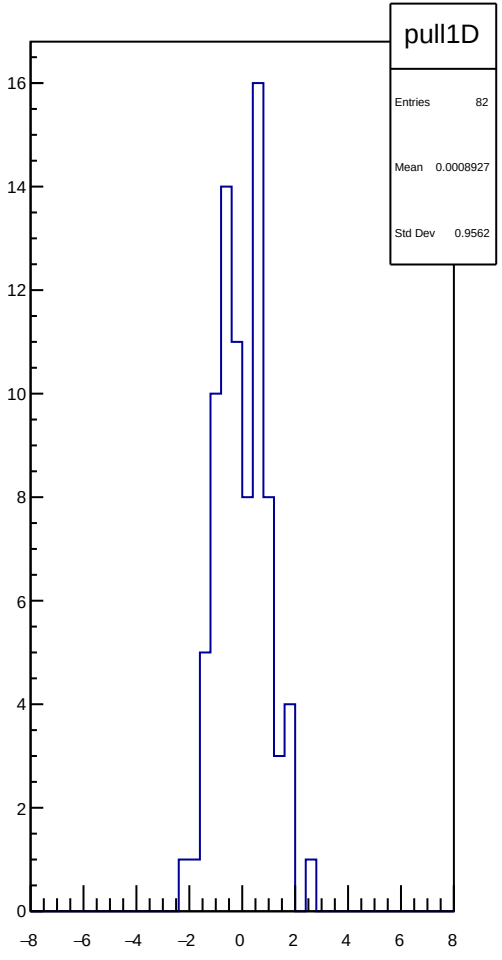

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 6041 / 81
p0 365 ± 0.2907
440
420
400
380
360
340
320


cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 78.58 / 81
p0 2426 ± 1242
pull
Entries 82
Mean 436.5
Std Dev 0


pull1D
Entries 82
Mean 0.00812
Std Dev 0.9789


cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 156.8 / 81
p0 1105 ± 0.8779
1180
1160
1140
1120
1100
1080


asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 74.98 / 81
p0 −1192 ± 411.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 255.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 82
Mean 0.0008927
Std Dev 0.9562
16
14
12
10
8
6
4
2
0
−8
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−4
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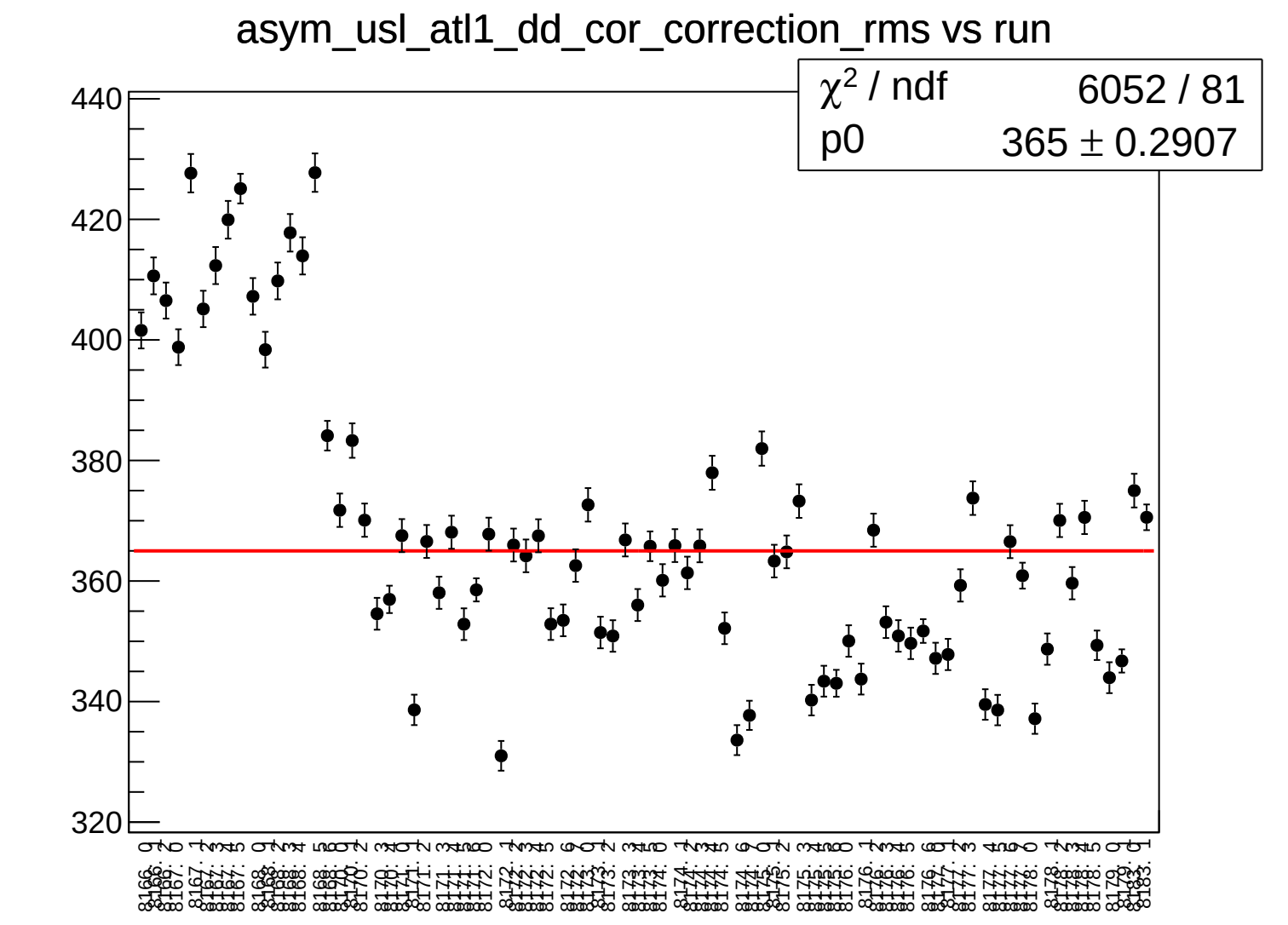
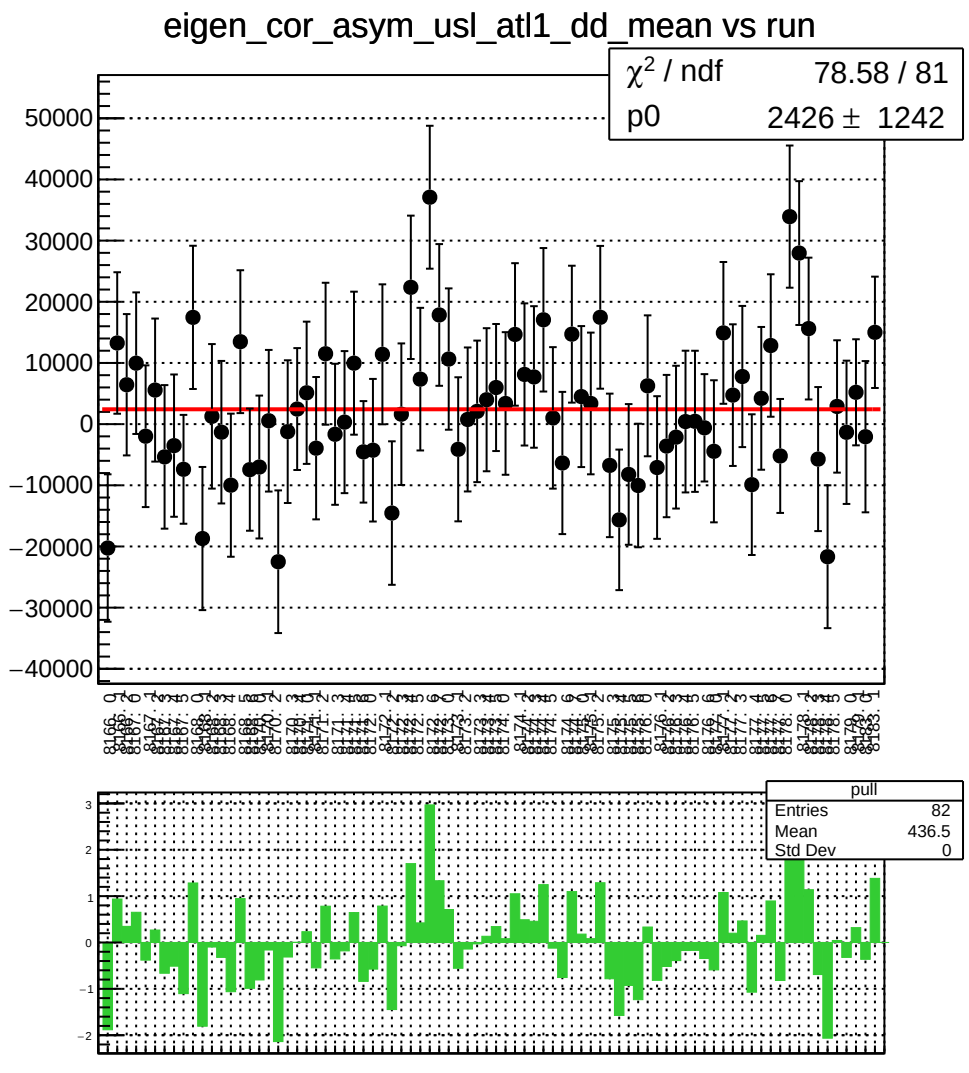
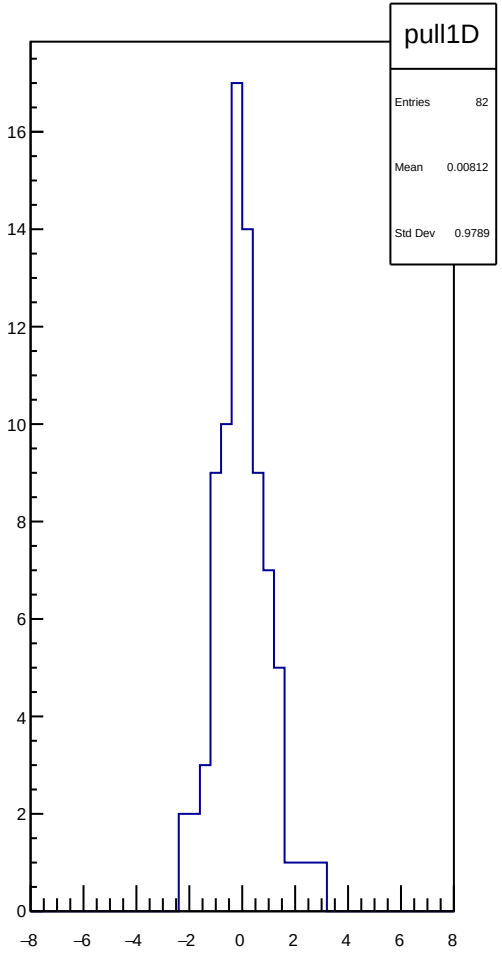
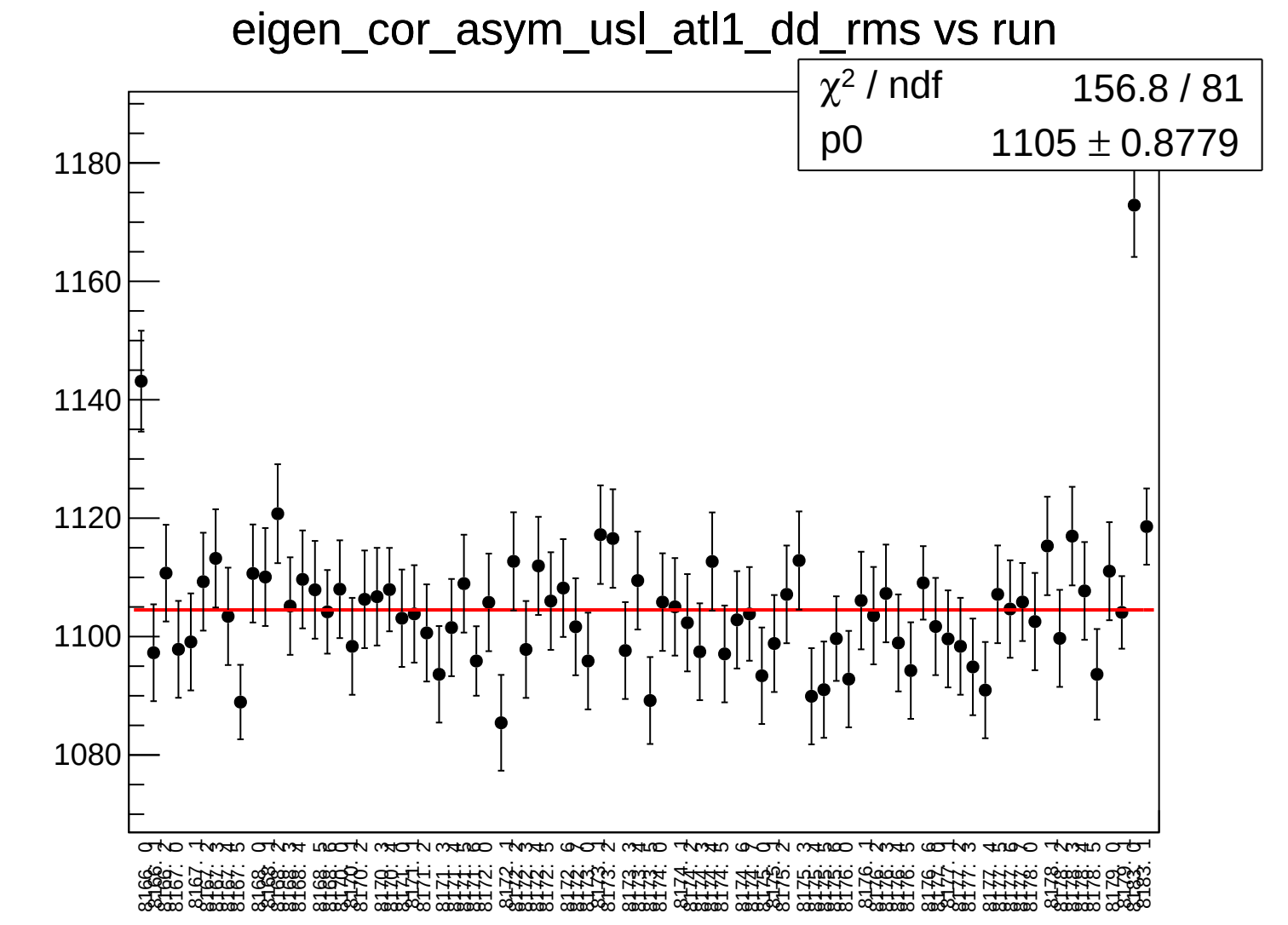
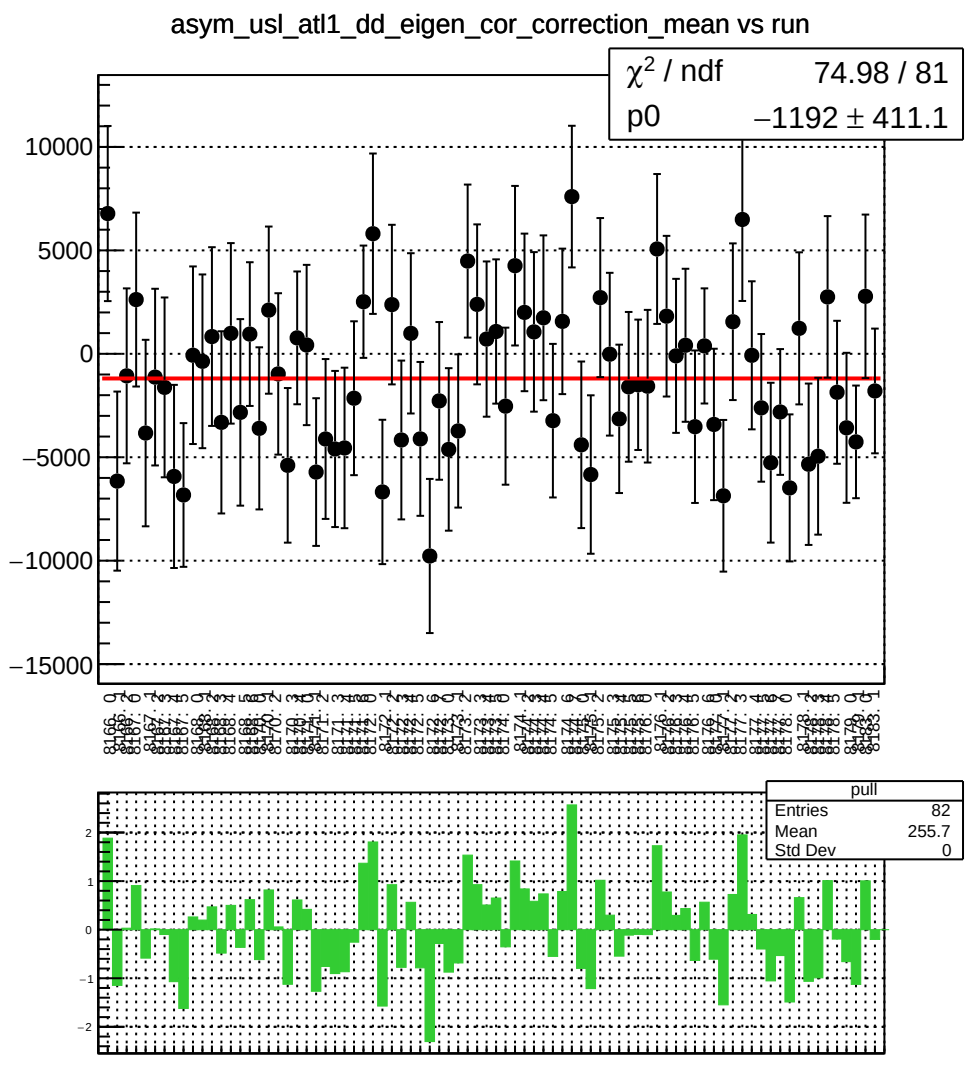
0
2
4
6
8

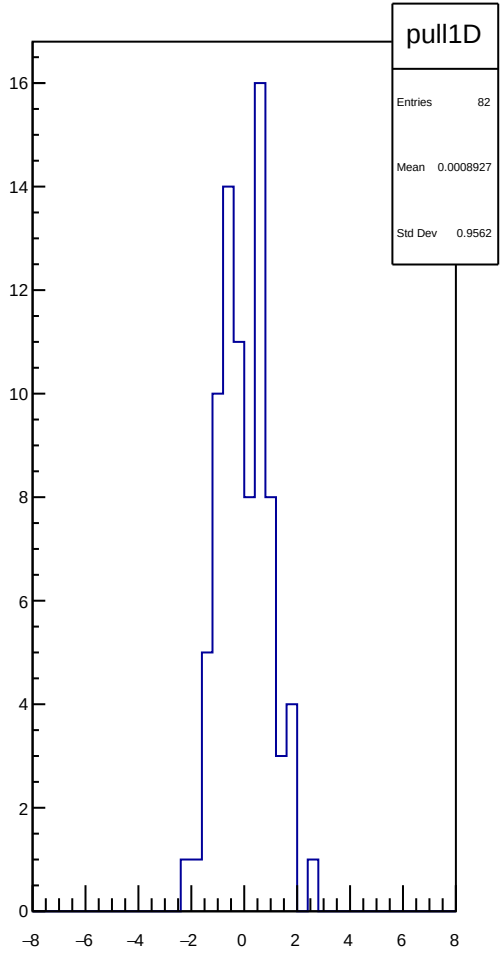

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 6052 / 81
p0 365 ± 0.2907
440
420
400
380
360
340
320

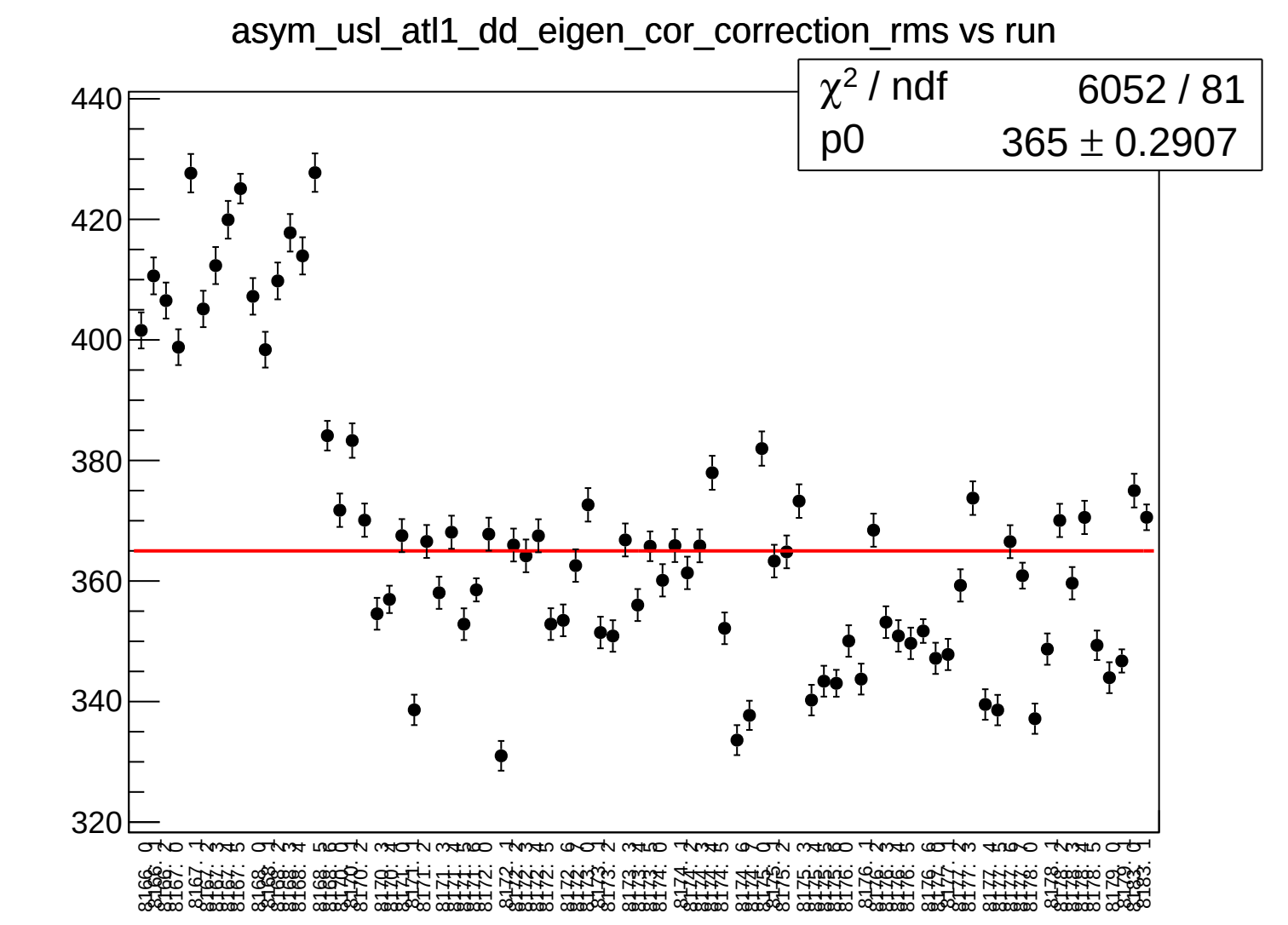

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 78.58 / 81
p0 2426 ± 1242
pull
Entries 82
Mean 436.5
Std Dev 0

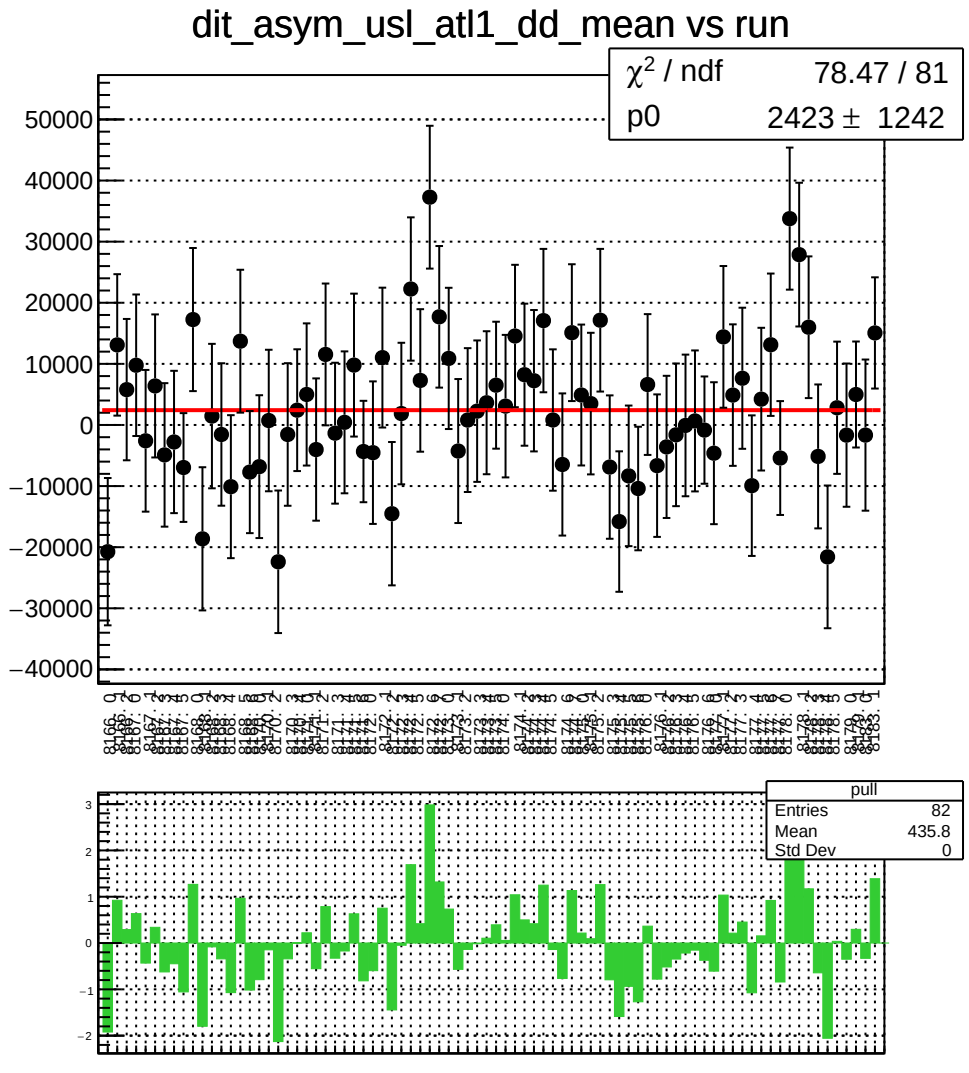

pull1D
Entries 82
Mean 0.00812
Std Dev 0.9789

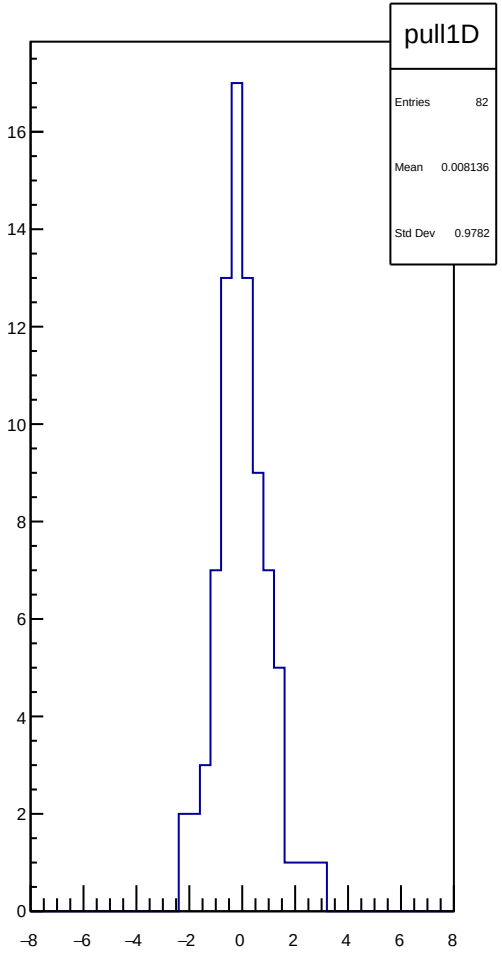

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 156.8 / 81
p0 1105 ± 0.8779
1180
1160
1140
1120
1100
1080

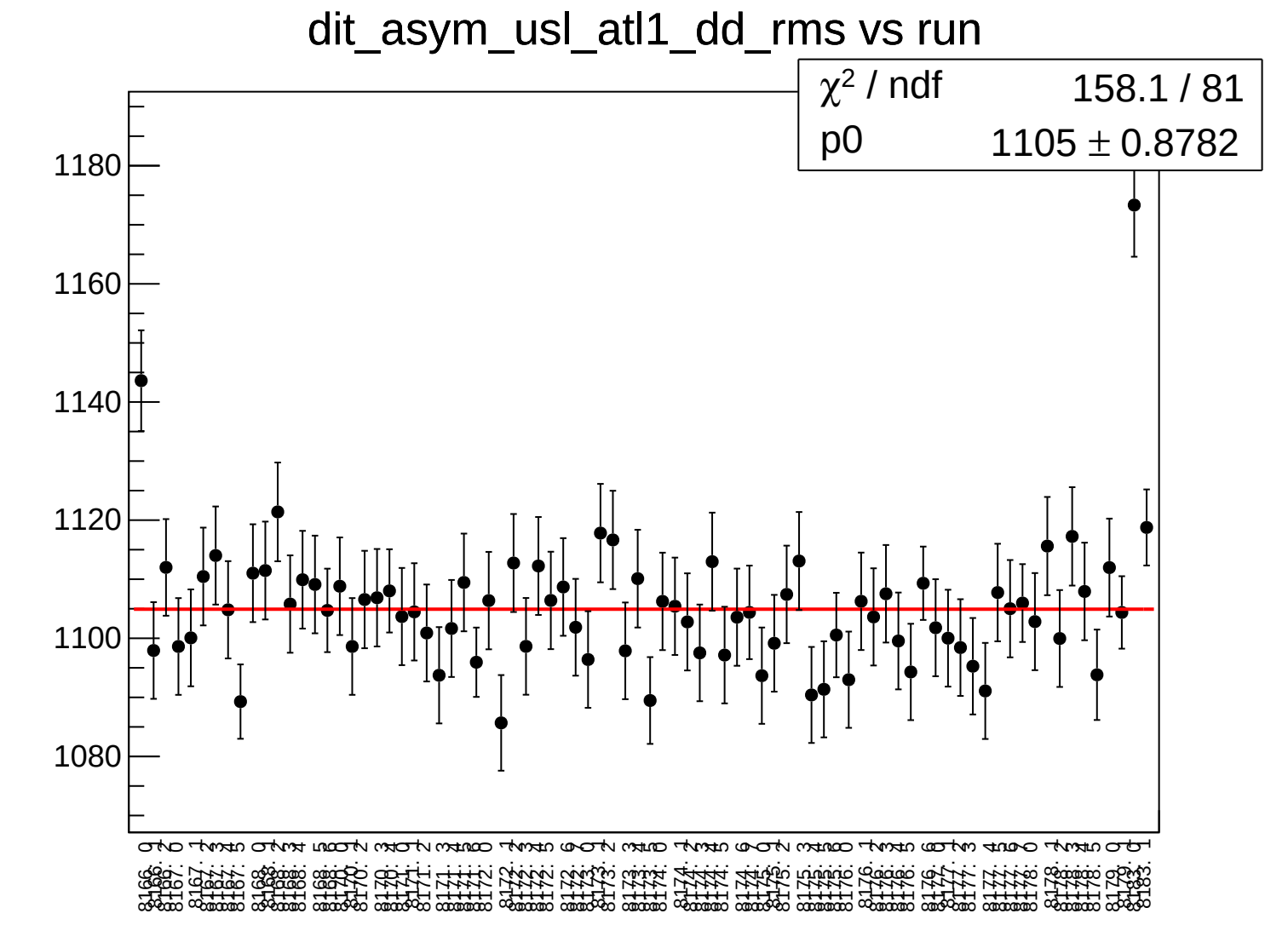

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.98 / 81
p0 −1192 ± 411.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 255.7
Std Dev 0
2
1
0
−1
−2

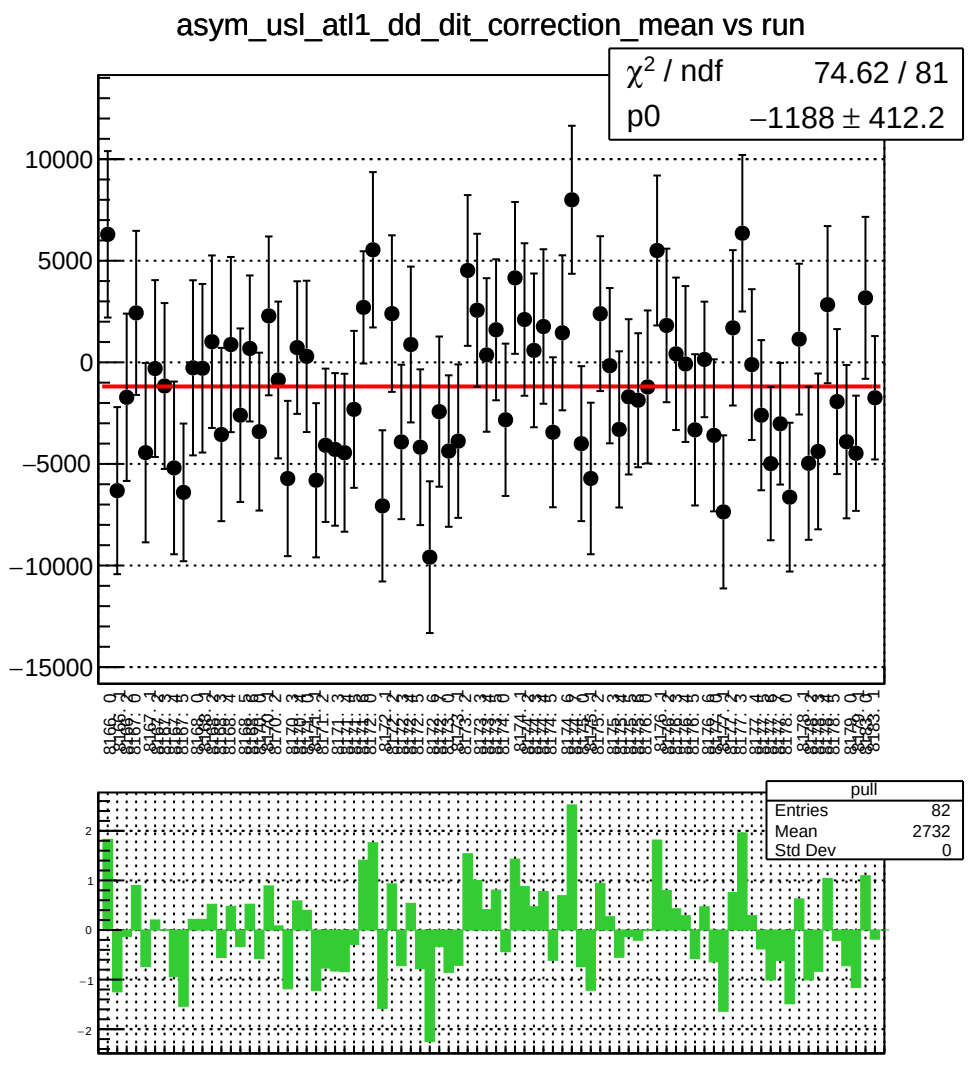

pull1D
Entries 82
Mean 0.0008927
Std Dev 0.9562
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

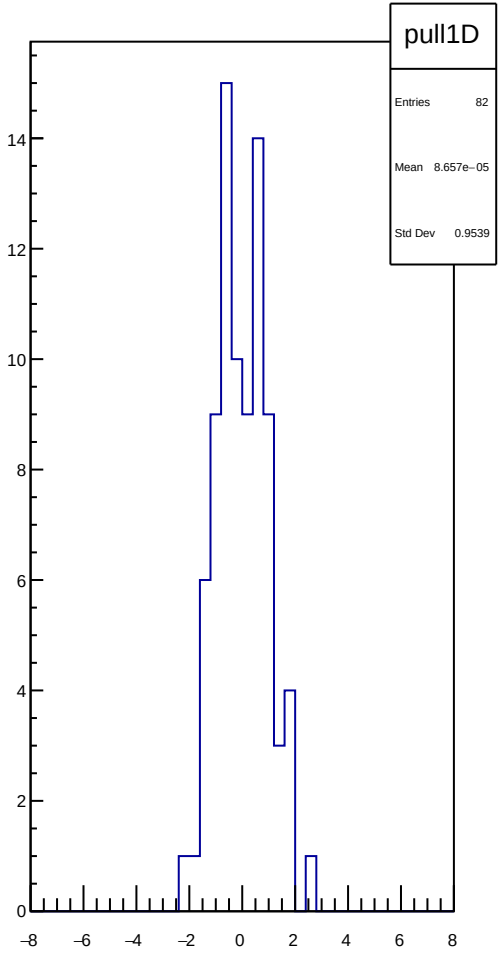

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6052 / 81
p0 365 ± 0.2907
440
420
400
380
360
340
320

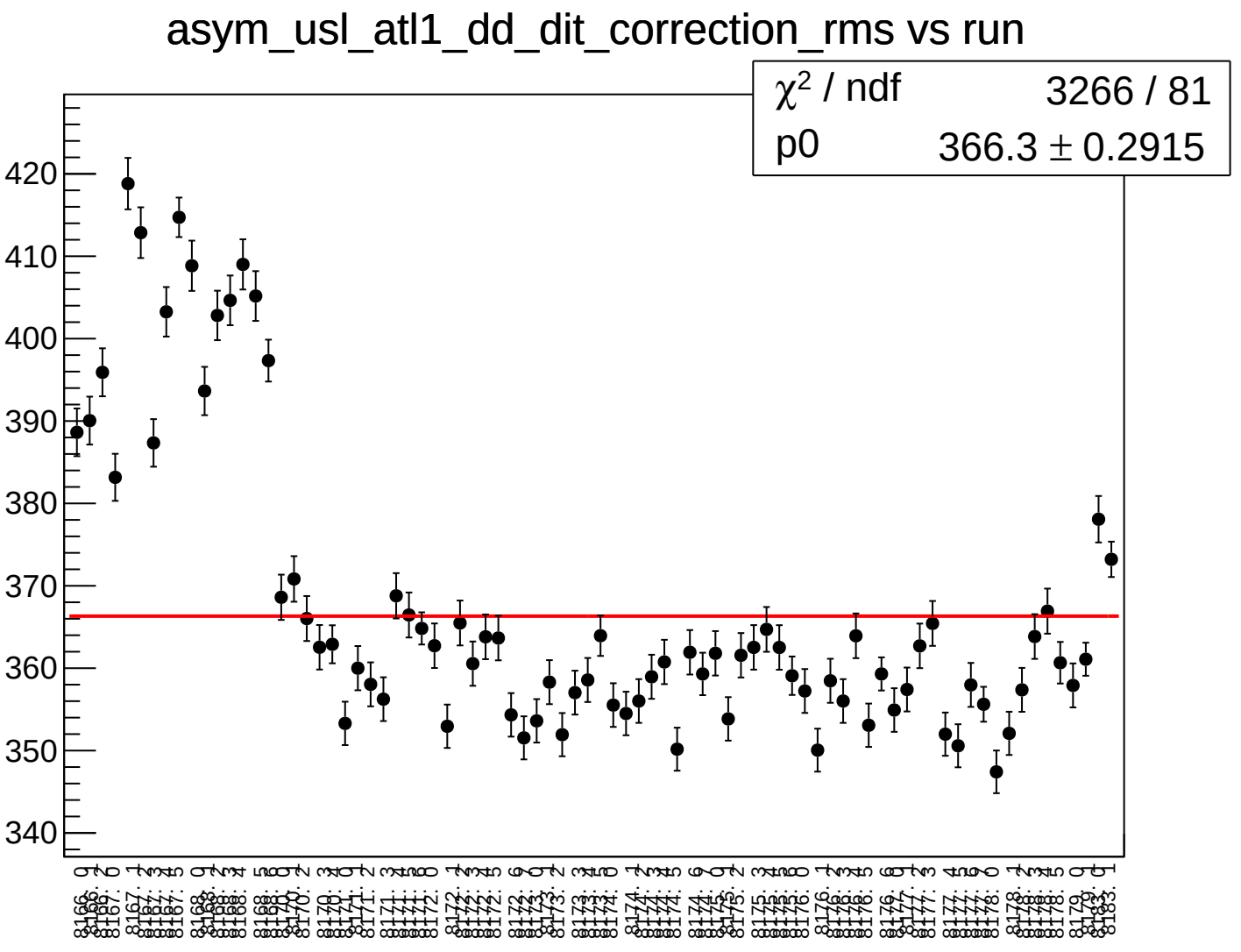

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 78.47 / 81
p0 2423 ± 1242
pull
Entries 82
Mean 435.8
Std Dev 0

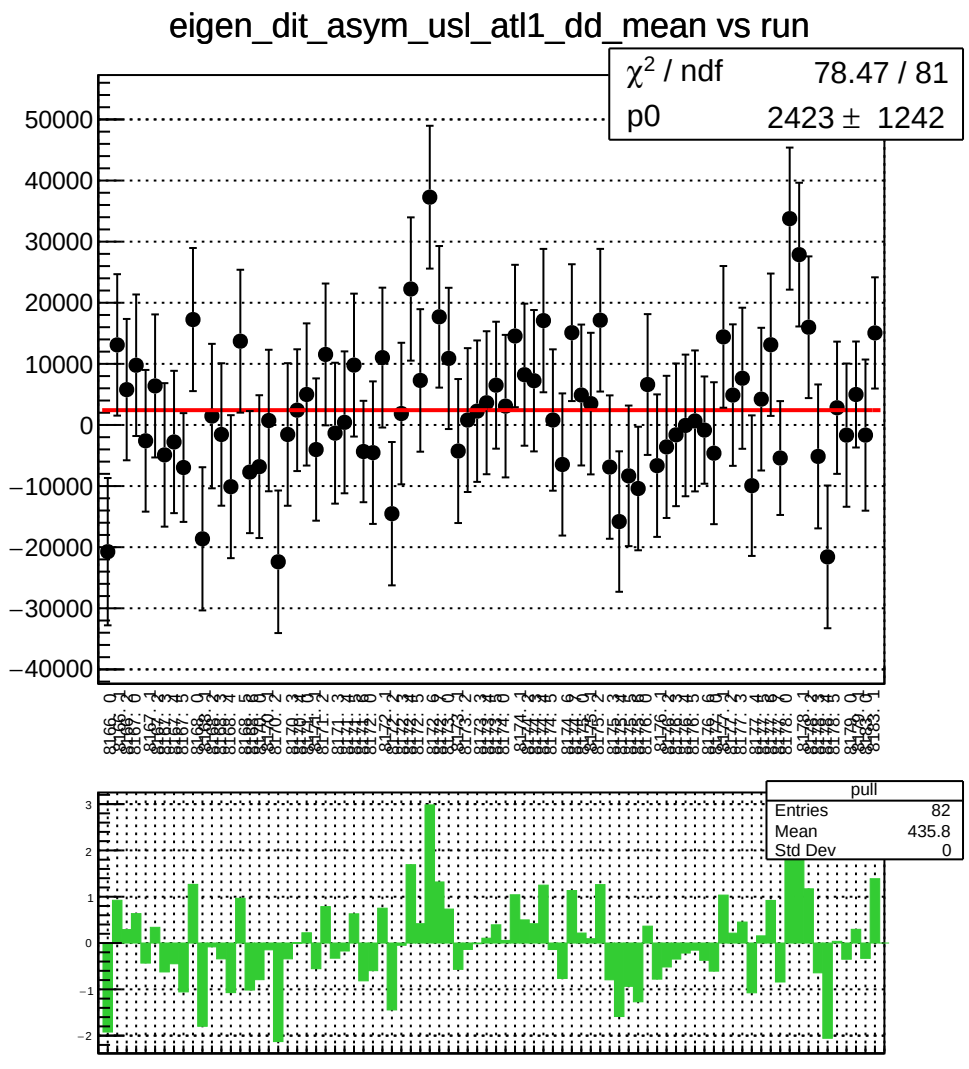

pull1D
Entries 82
Mean 0.008136
Std Dev 0.9782

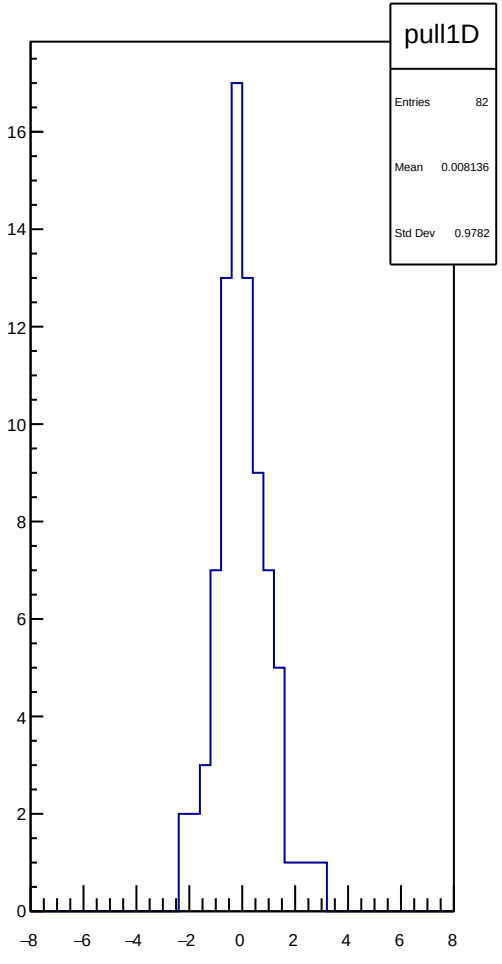

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 158.1 / 81
p0 1105 ± 0.8782
1180
1160
1140
1120
1100
1080

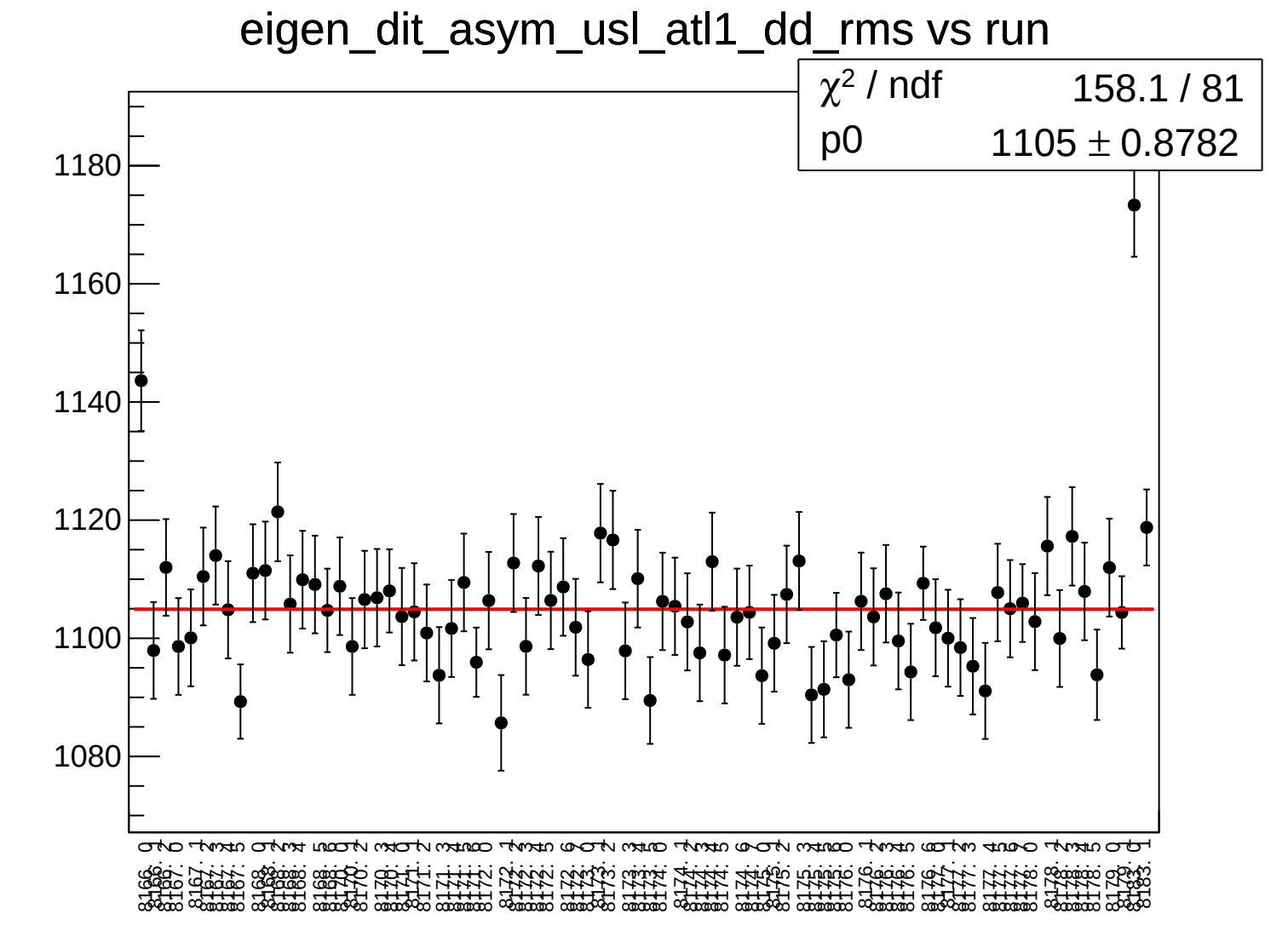

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 74.62 / 81
p0 −1188 ± 412.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 2732
Std Dev 0
2
1
0
−1
−2

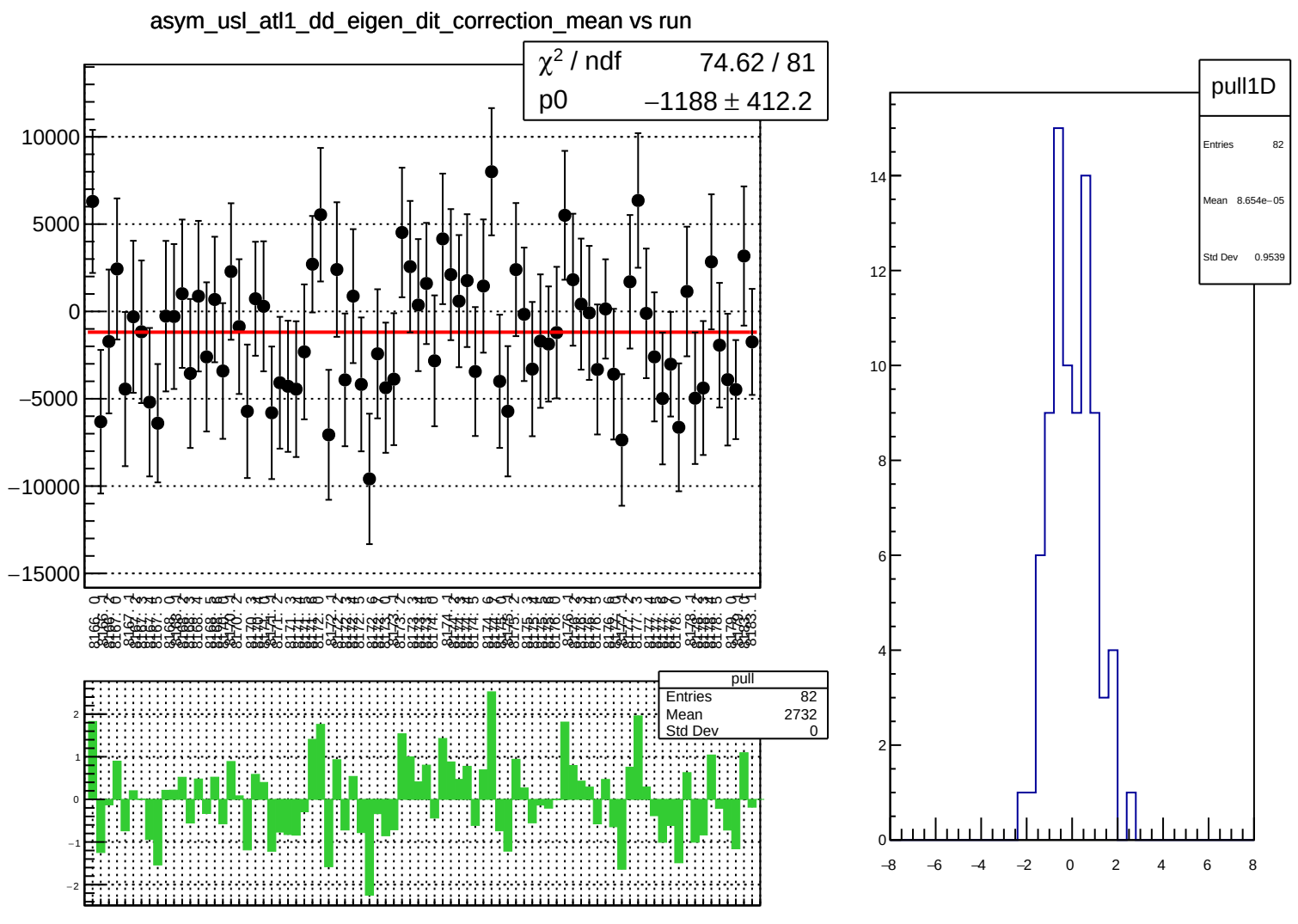

pull1D
Entries 82
Mean 8.657e−05
Std Dev 0.9539
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

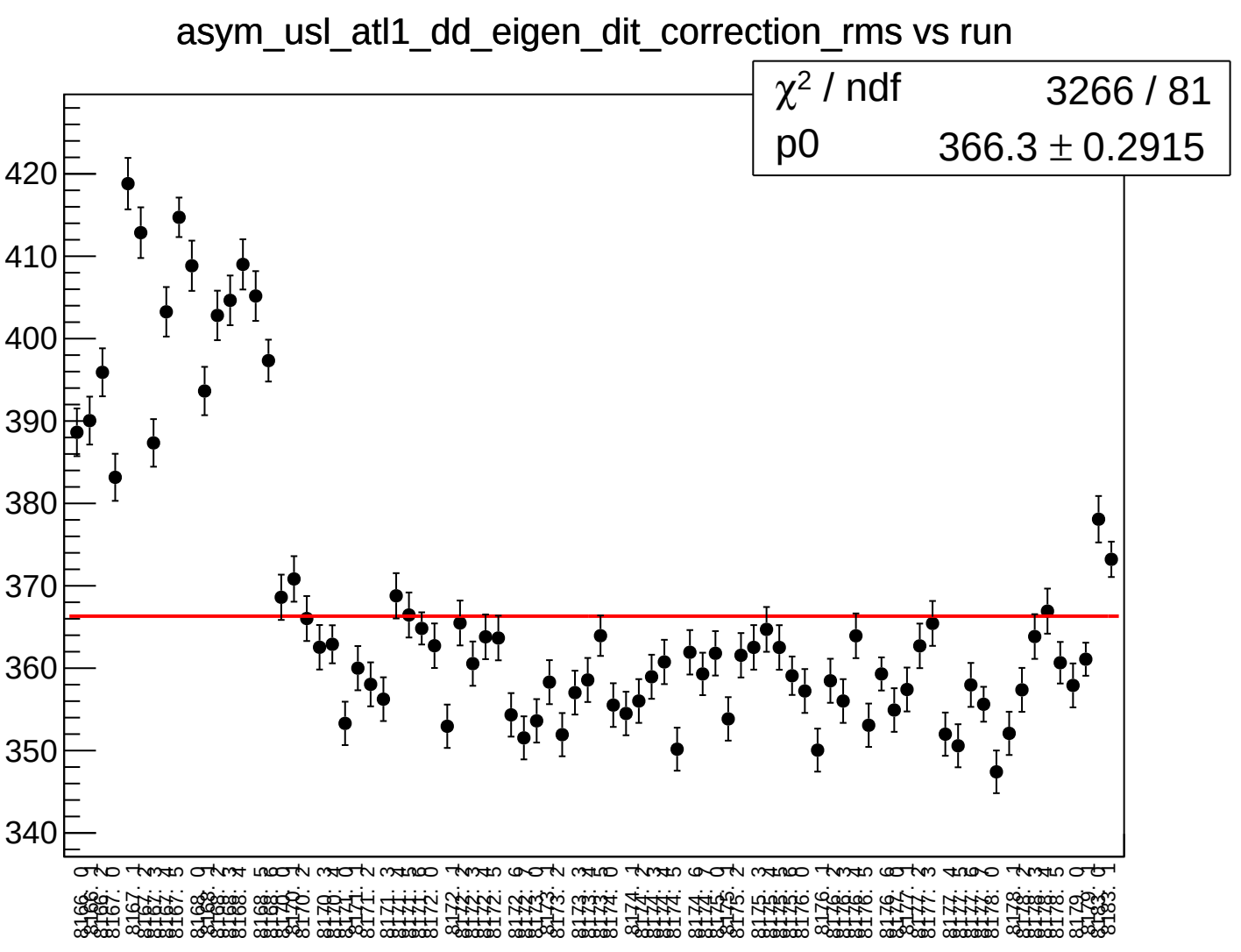

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 3266 / 81
p0 366.3 ± 0.2915
420
410
400
390
380
370
360
350
340

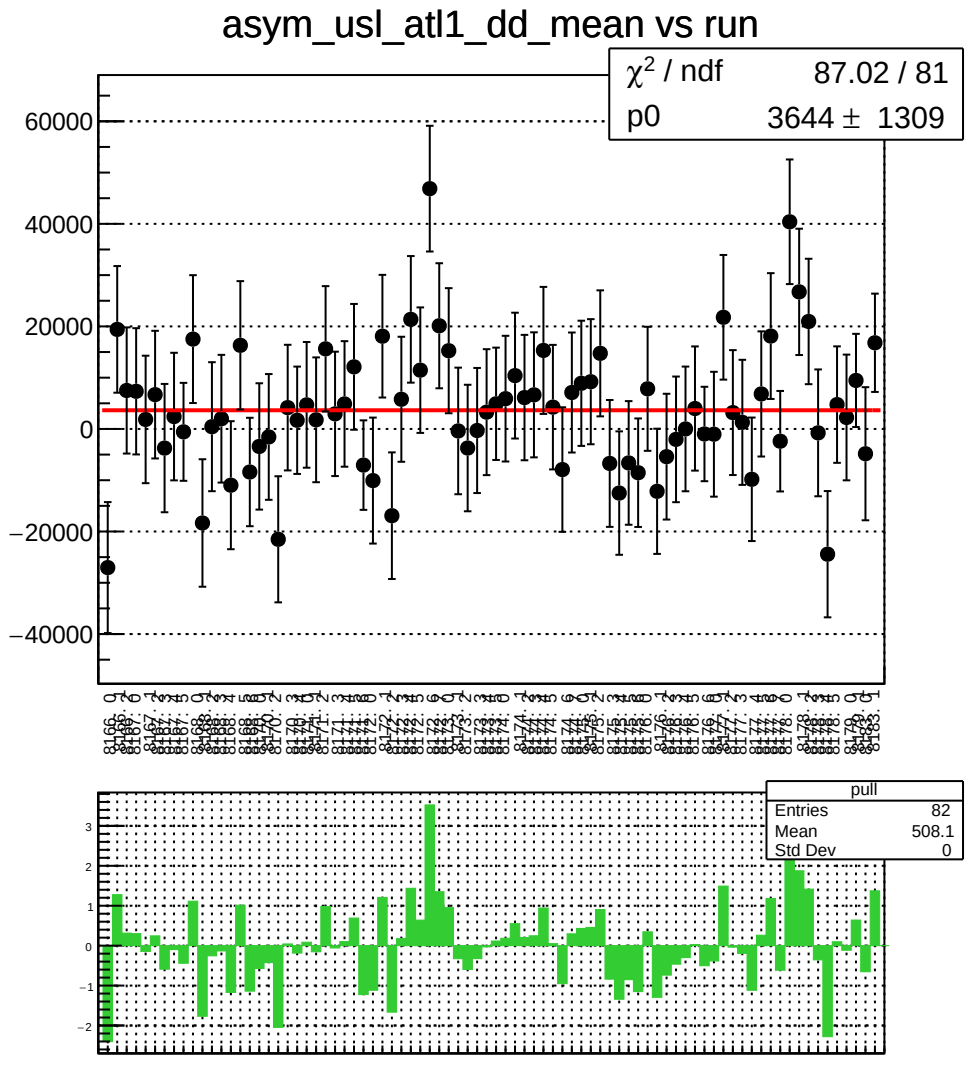

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 78.47 / 81
p0 2423 ± 1242
pull
Entries 82
Mean 435.8
Std Dev 0

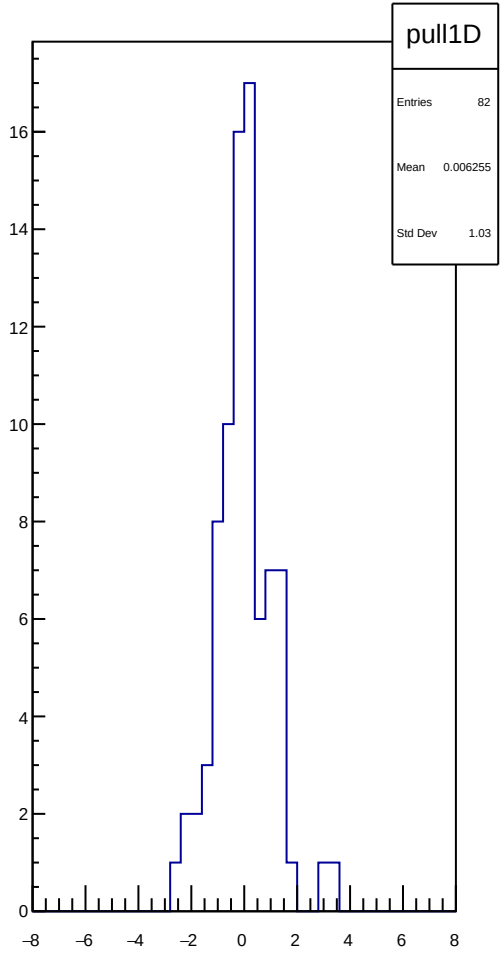

pull1D
Entries 82
Mean 0.008136
Std Dev 0.9782


eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 158.1 / 81
p0 1105 ± 0.8782
1180
1160
1140
1120
1100
1080


asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 74.62 / 81
p0 −1188 ± 412.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 2732
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 8.654e−05
Std Dev 0.9539
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 3266 / 81
p0 366.3 ± 0.2915
420
410
400
390
380
370
360
350
340


asym_usl_atl1_dd_mean vs run
χ² / ndf 87.02 / 81
p0 3644 ± 1309
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 508.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 82
Mean 0.006255
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
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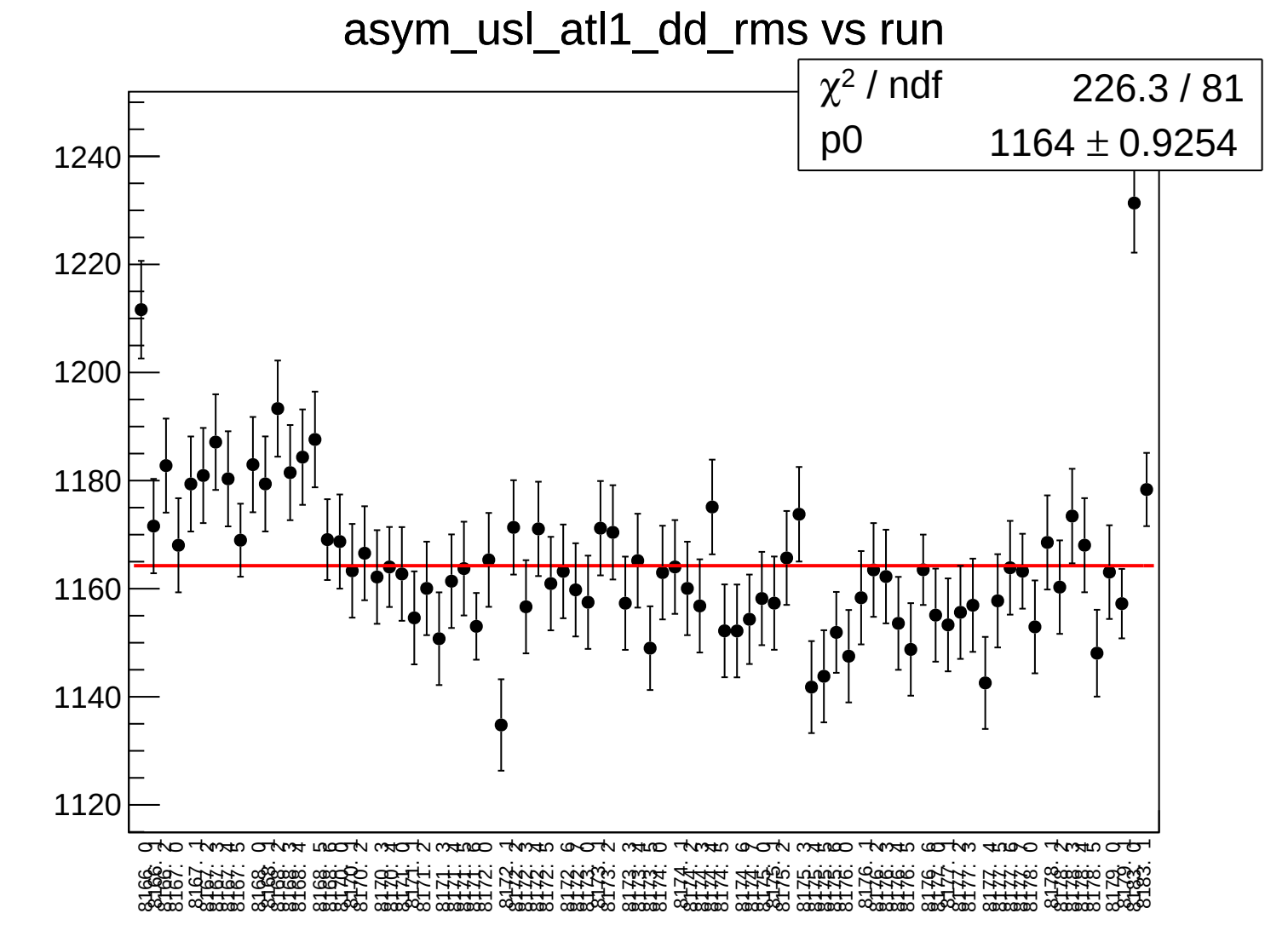
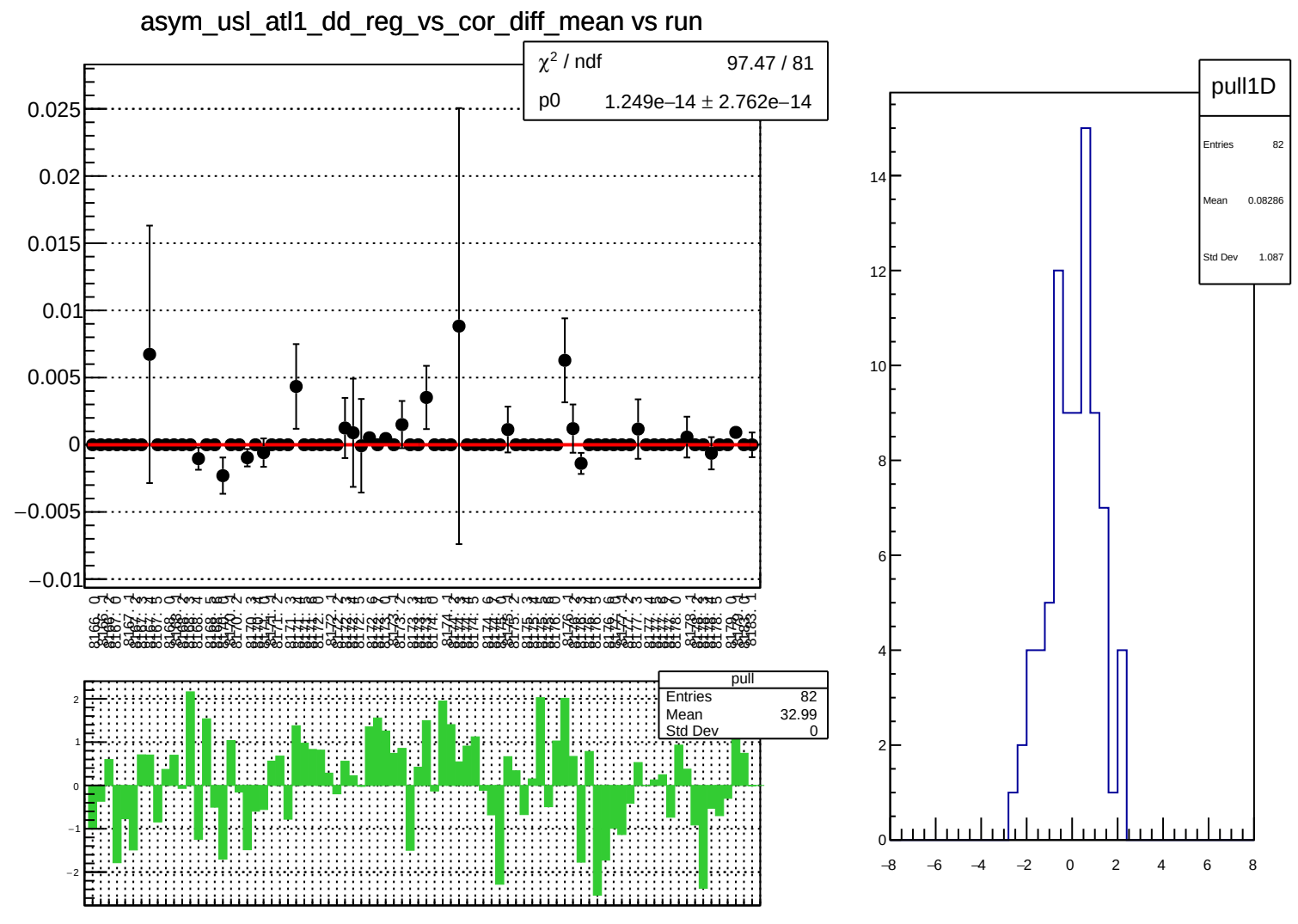
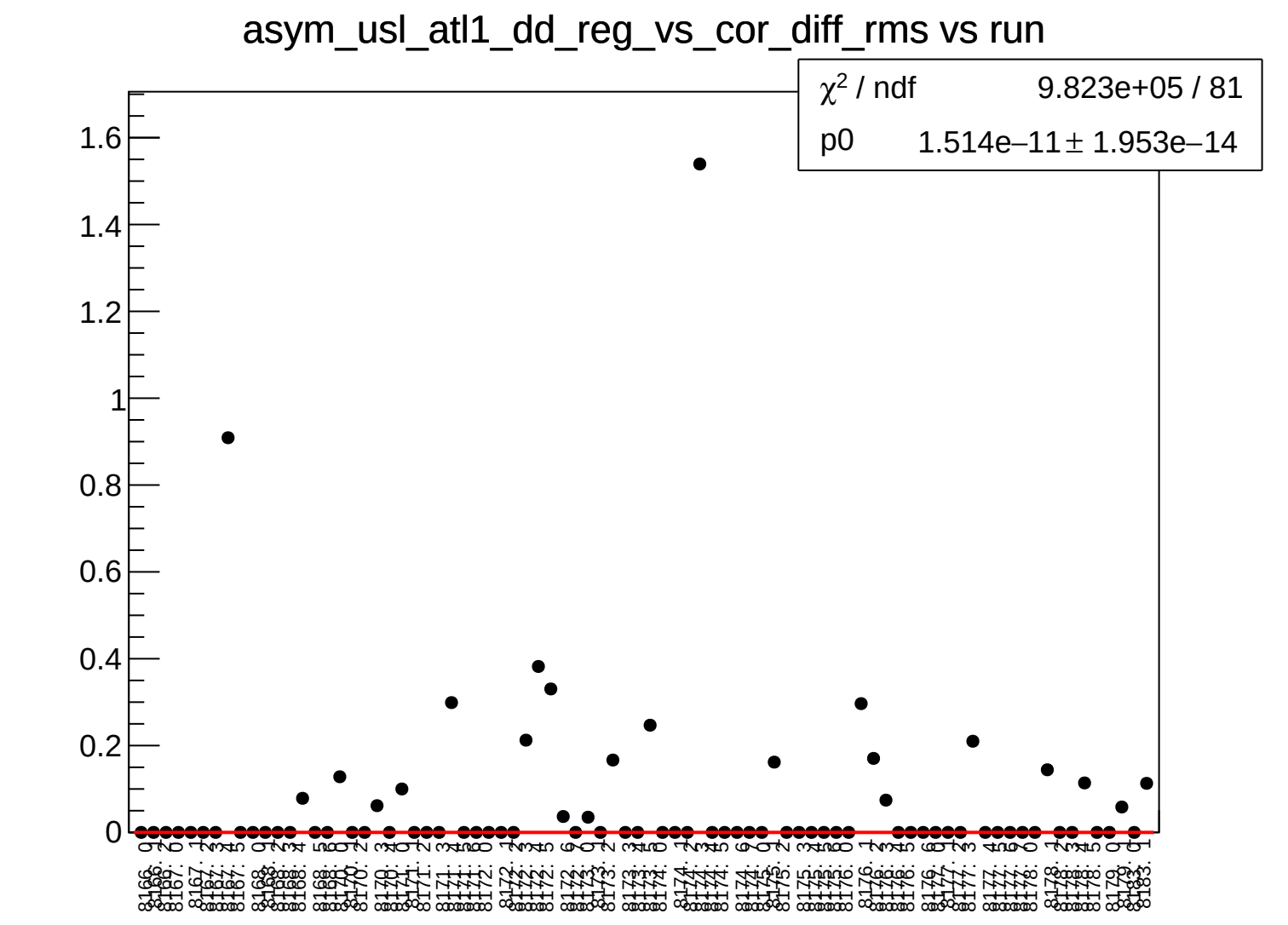
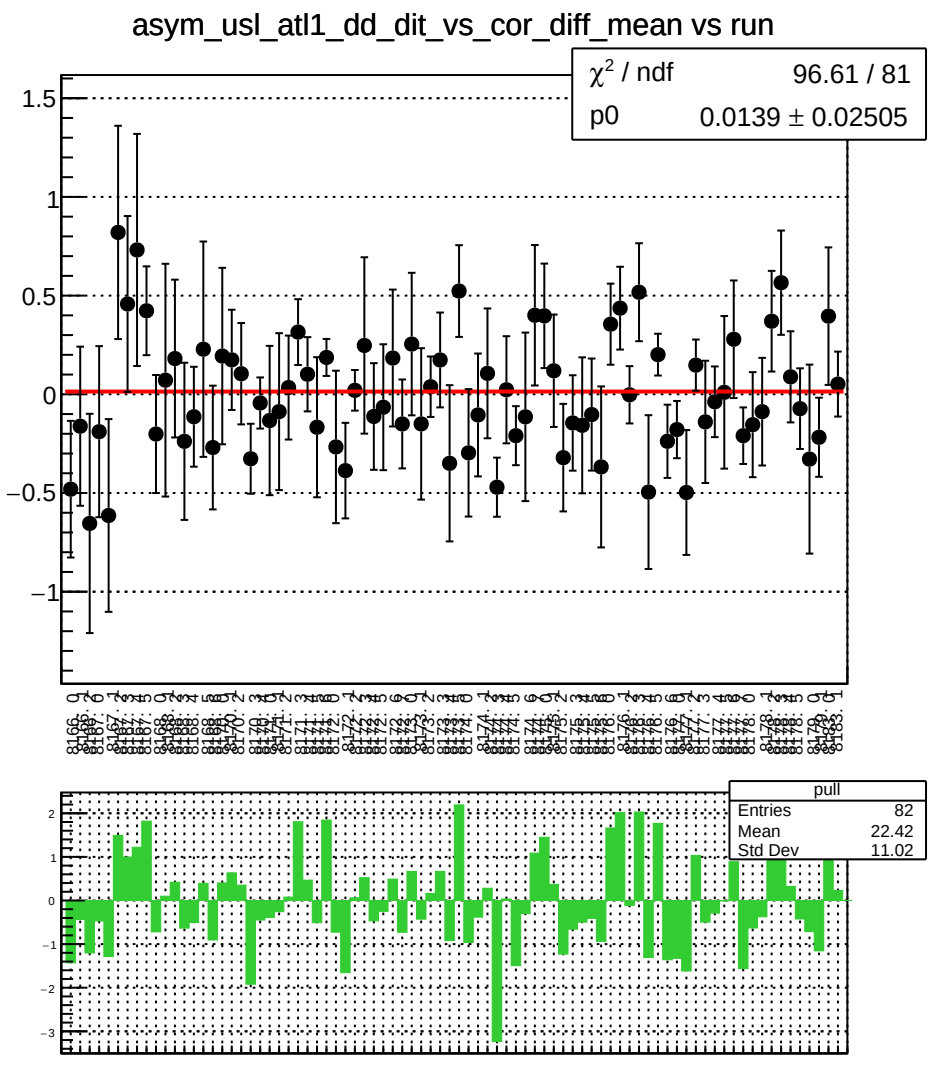
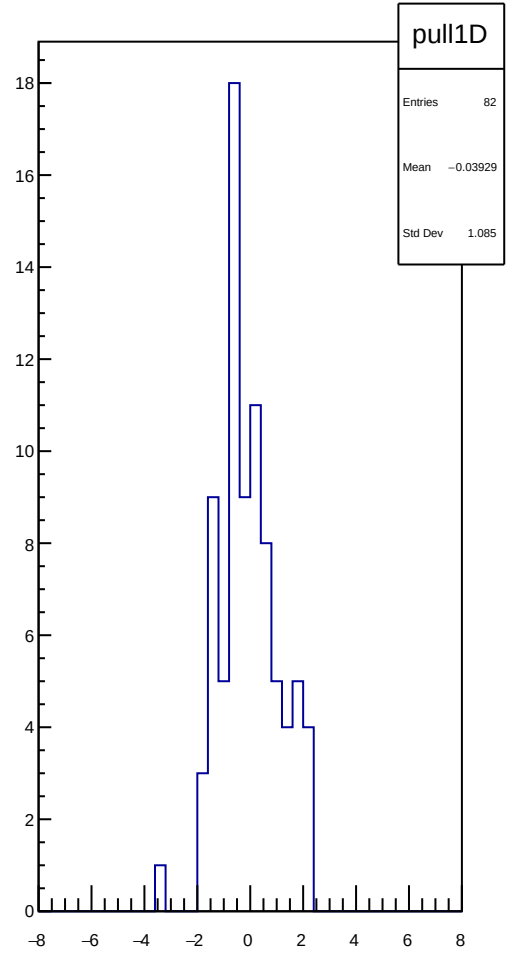
0
2
4
6
8

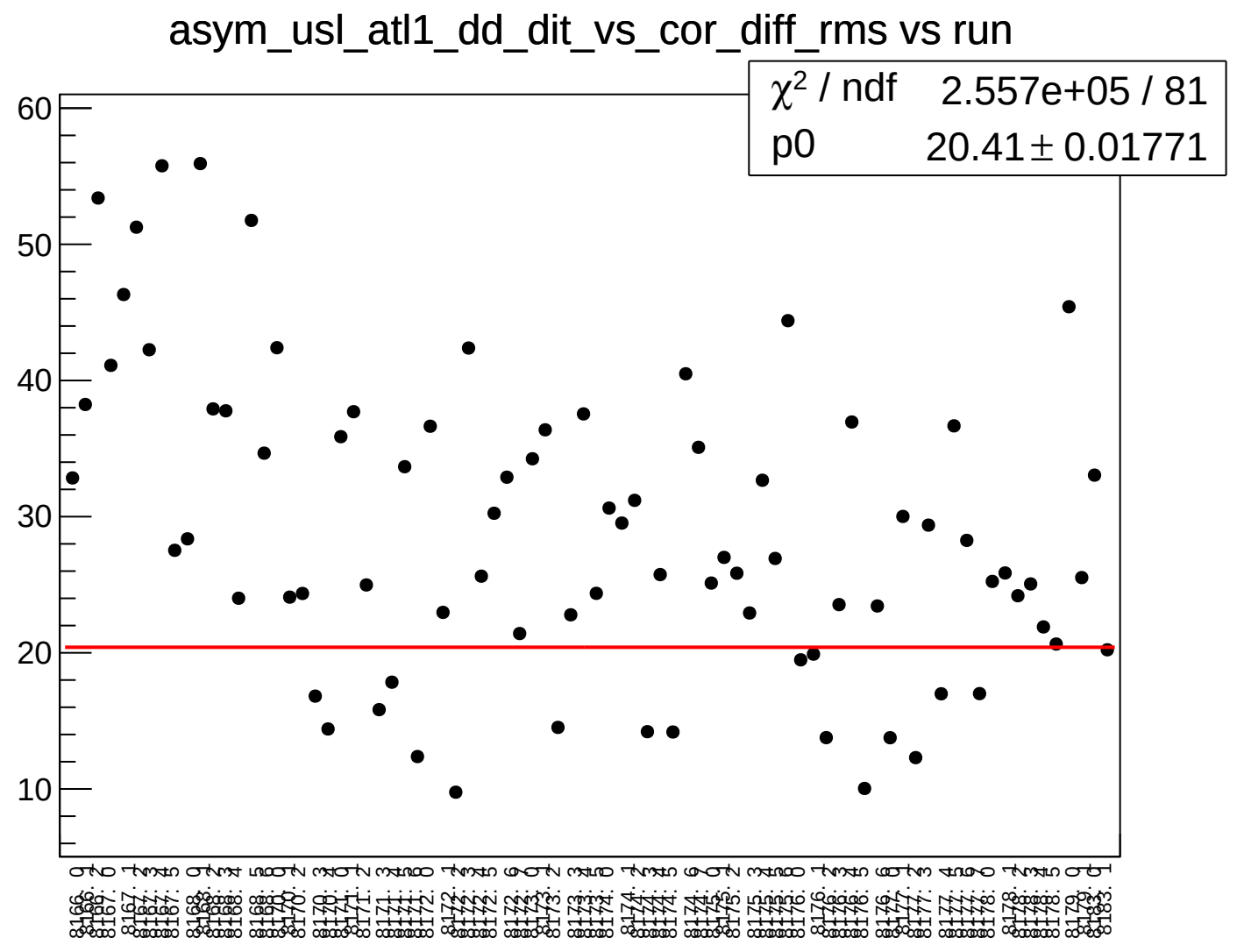

asym_usl_atl1_dd_rms vs run
χ² / ndf 226.3 / 81
p0 1164 ± 0.9254
1240
1220
1200
1180
1160
1140
1120

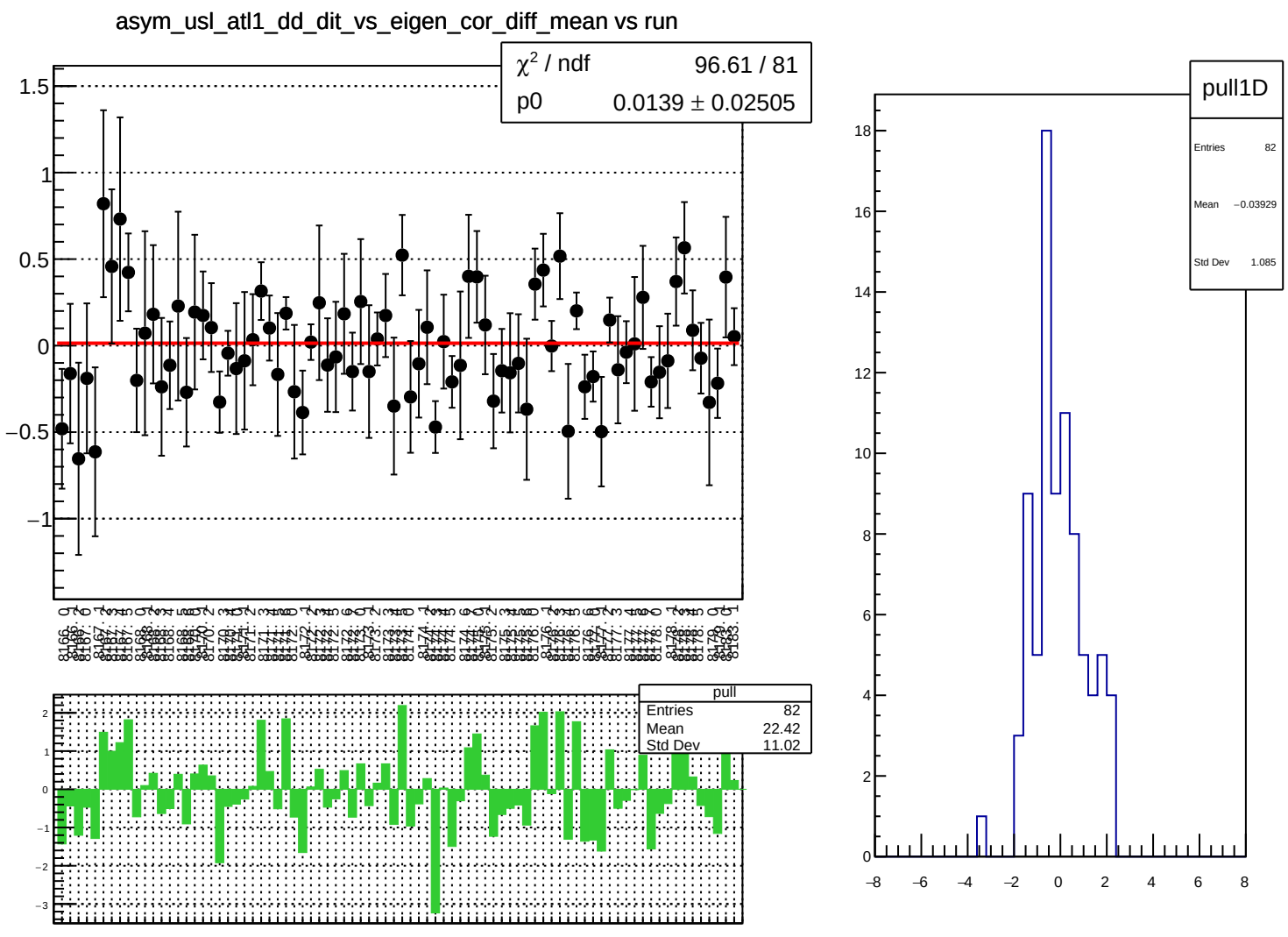

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.47 / 81
p0 1.249e−14 ± 2.762e−14
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 82
Mean 32.99
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.08286
Std Dev 1.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

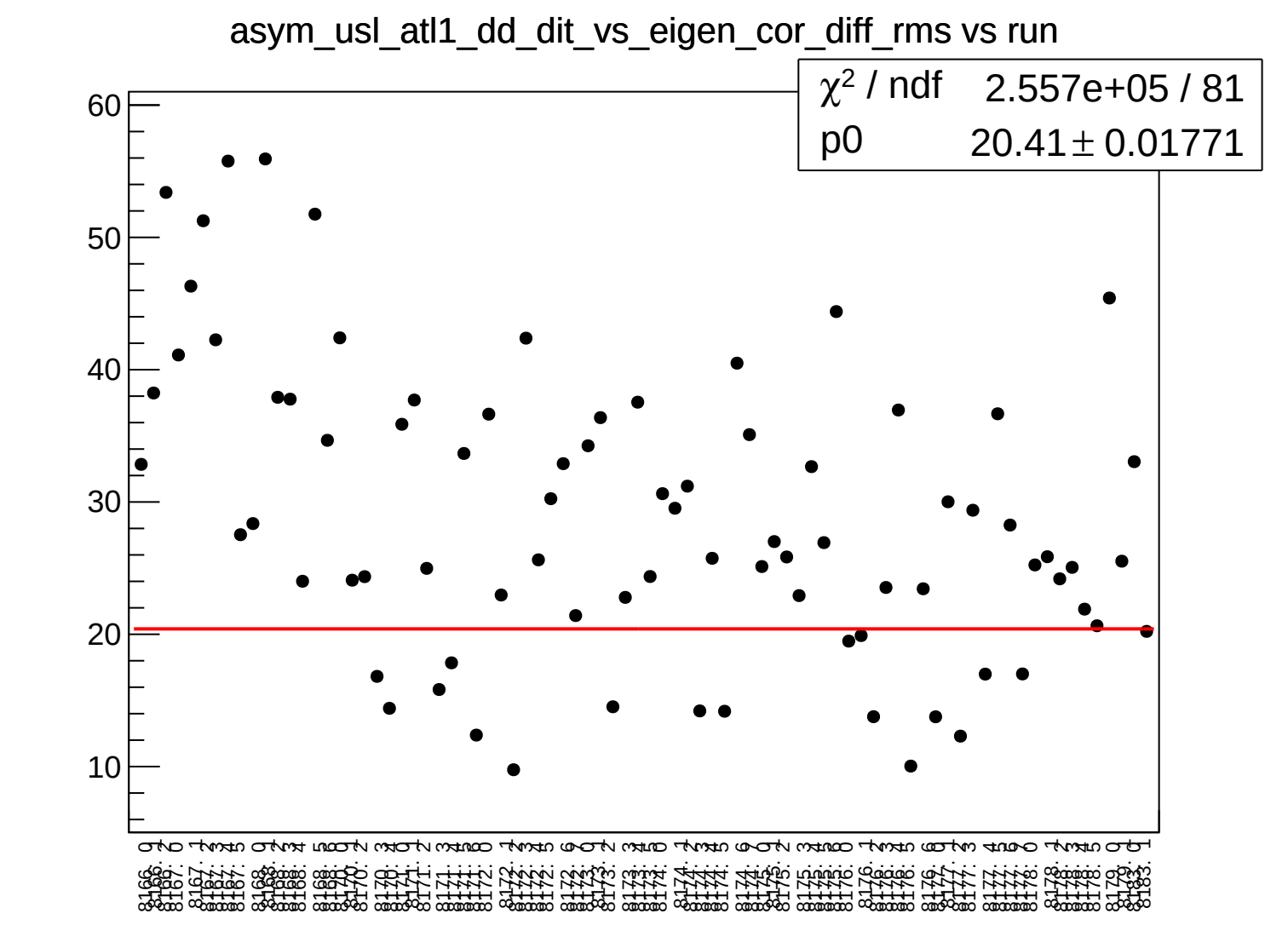

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.823e+05 / 81
p0 1.514e−11 ± 1.953e−14
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

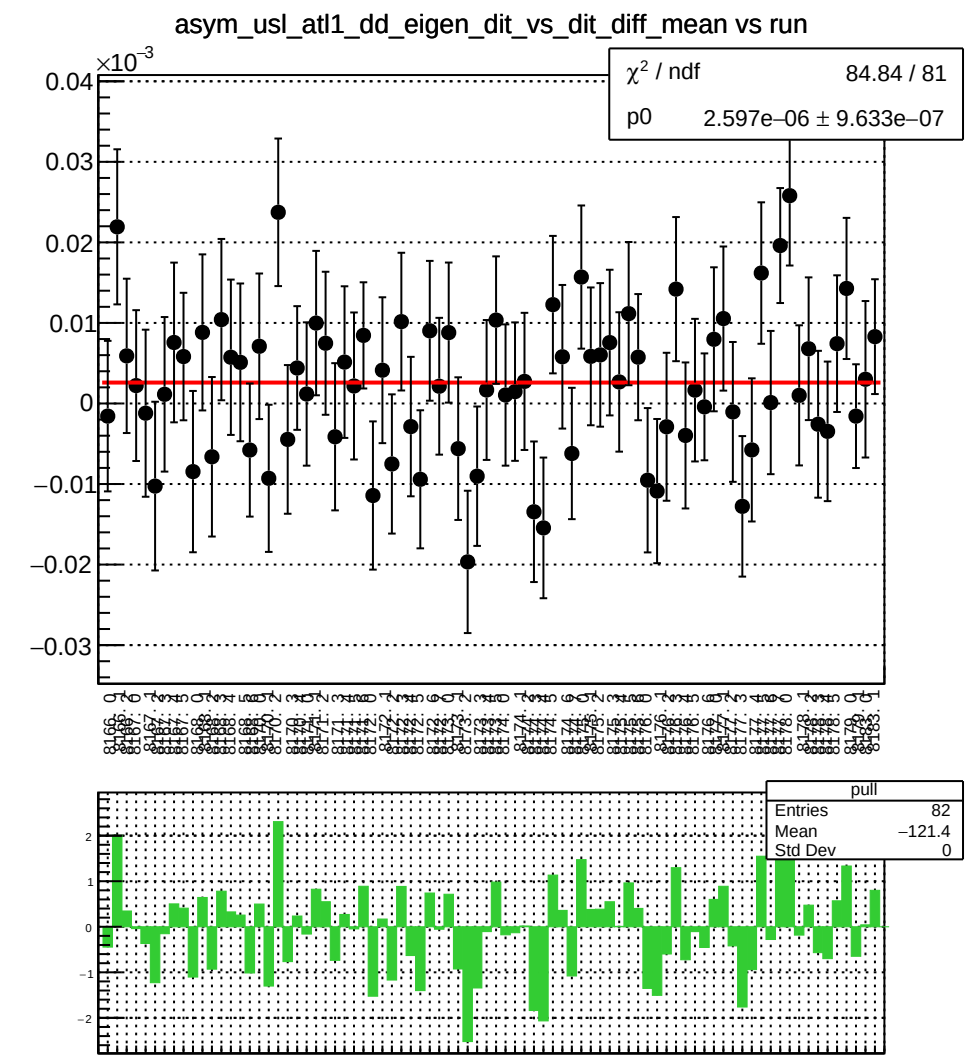

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 96.61 / 81
p0 0.0139 ± 0.02505
pull
Entries 82
Mean 22.42
Std Dev 11.02

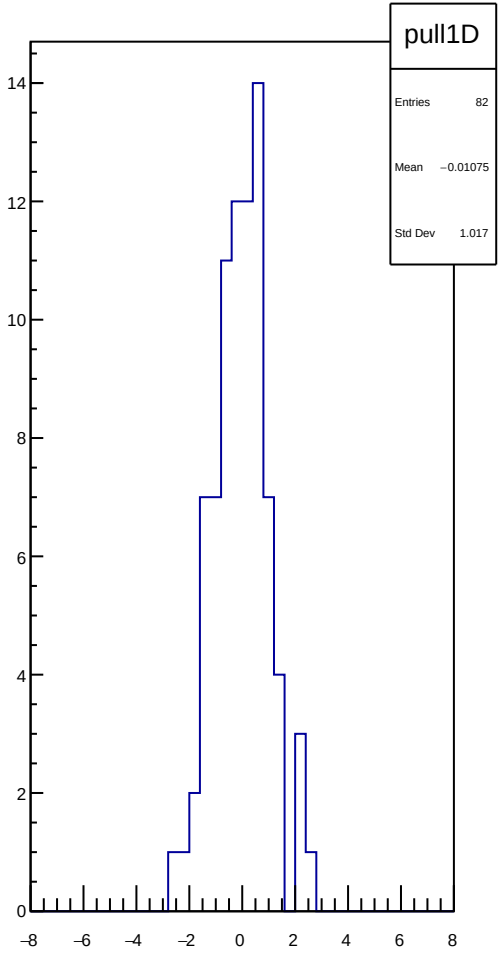

pull1D
Entries 82
Mean −0.03929
Std Dev 1.085

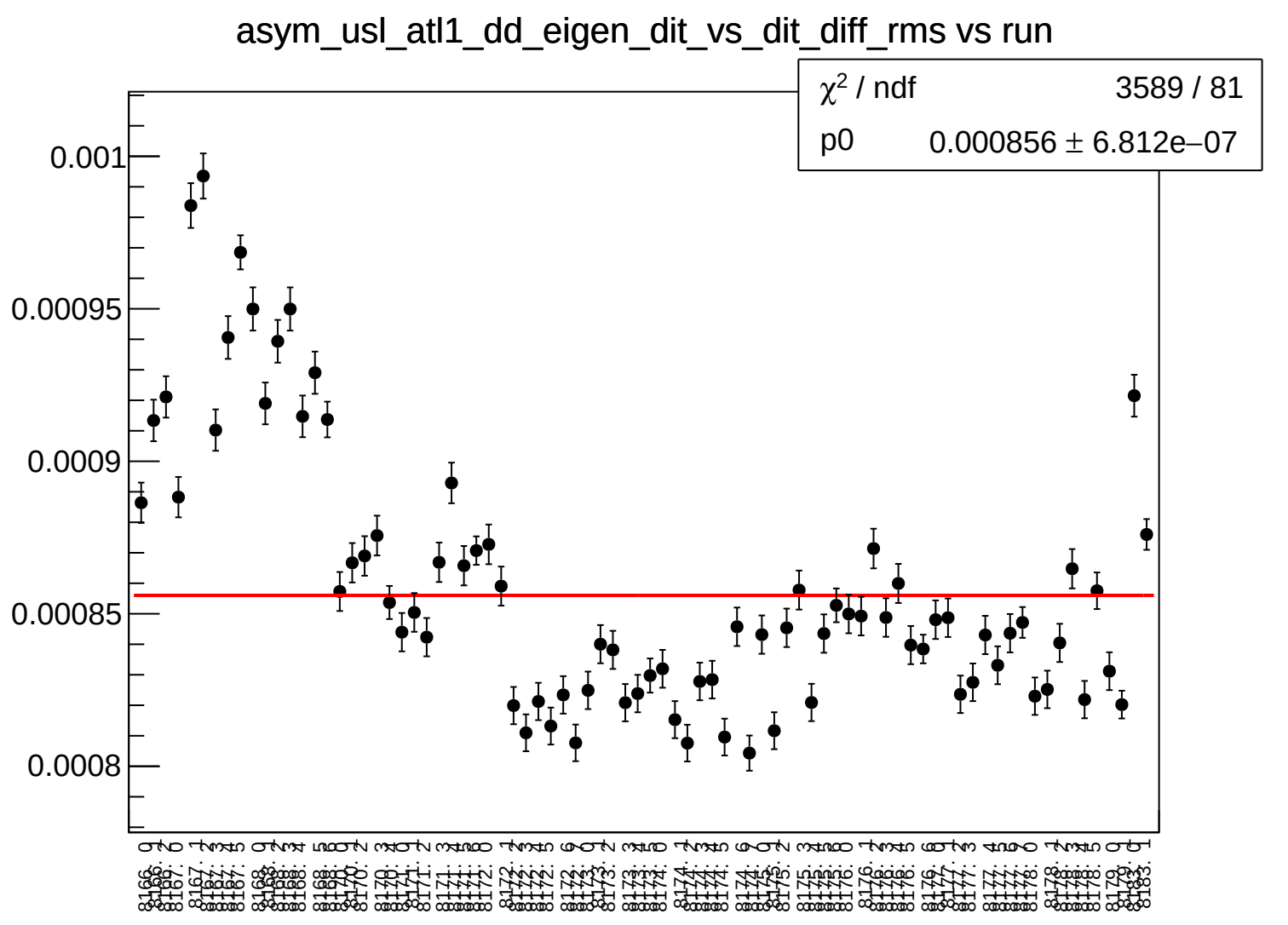

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.557e+05 / 81
p0 20.41 ± 0.01771
60
50
40
30
20
10

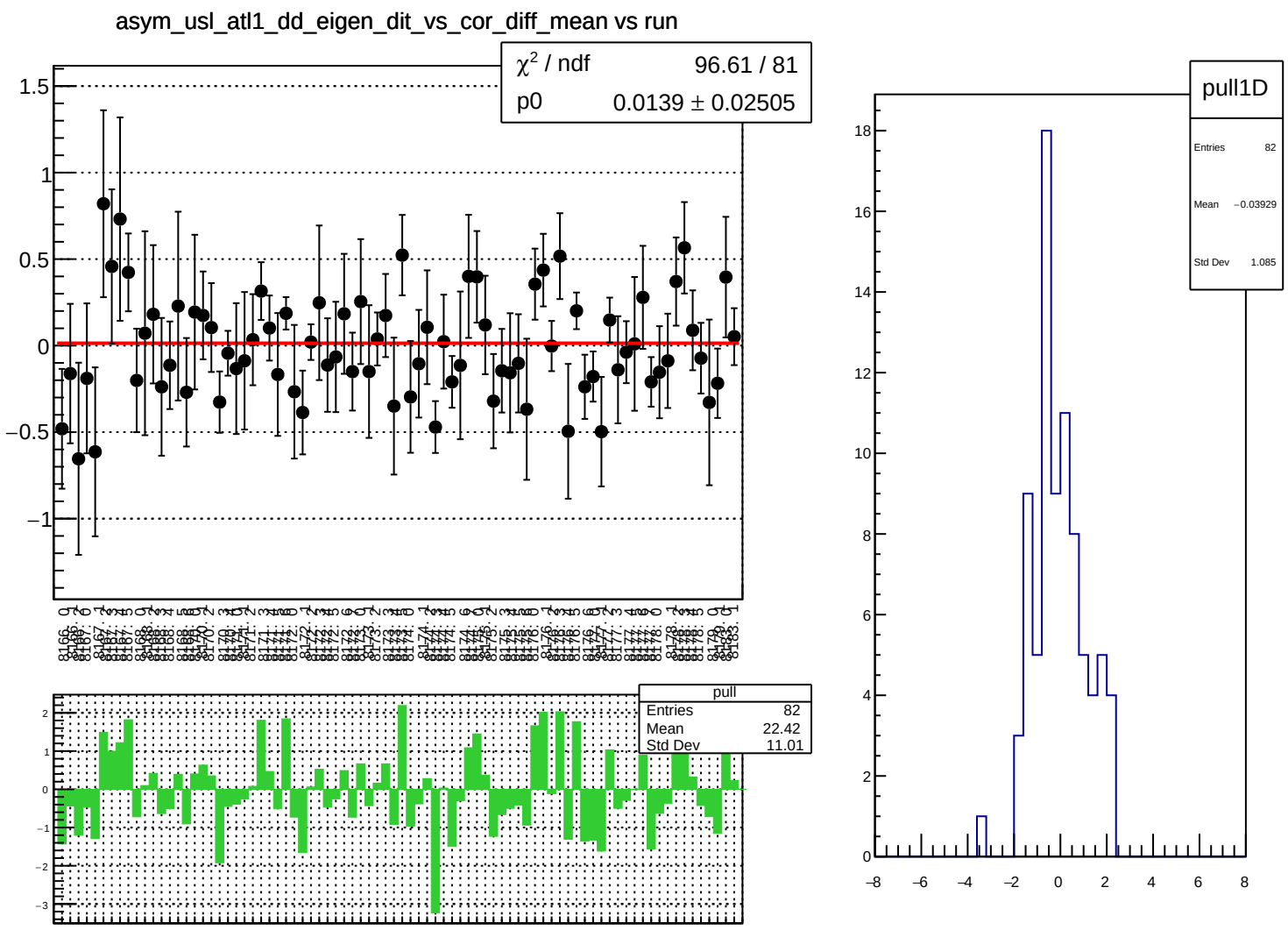

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.61 / 81
p0 0.0139 ± 0.02505
pull
Entries 82
Mean 22.42
Std Dev 11.02
pull1D
Entries 82
Mean −0.03929
Std Dev 1.085

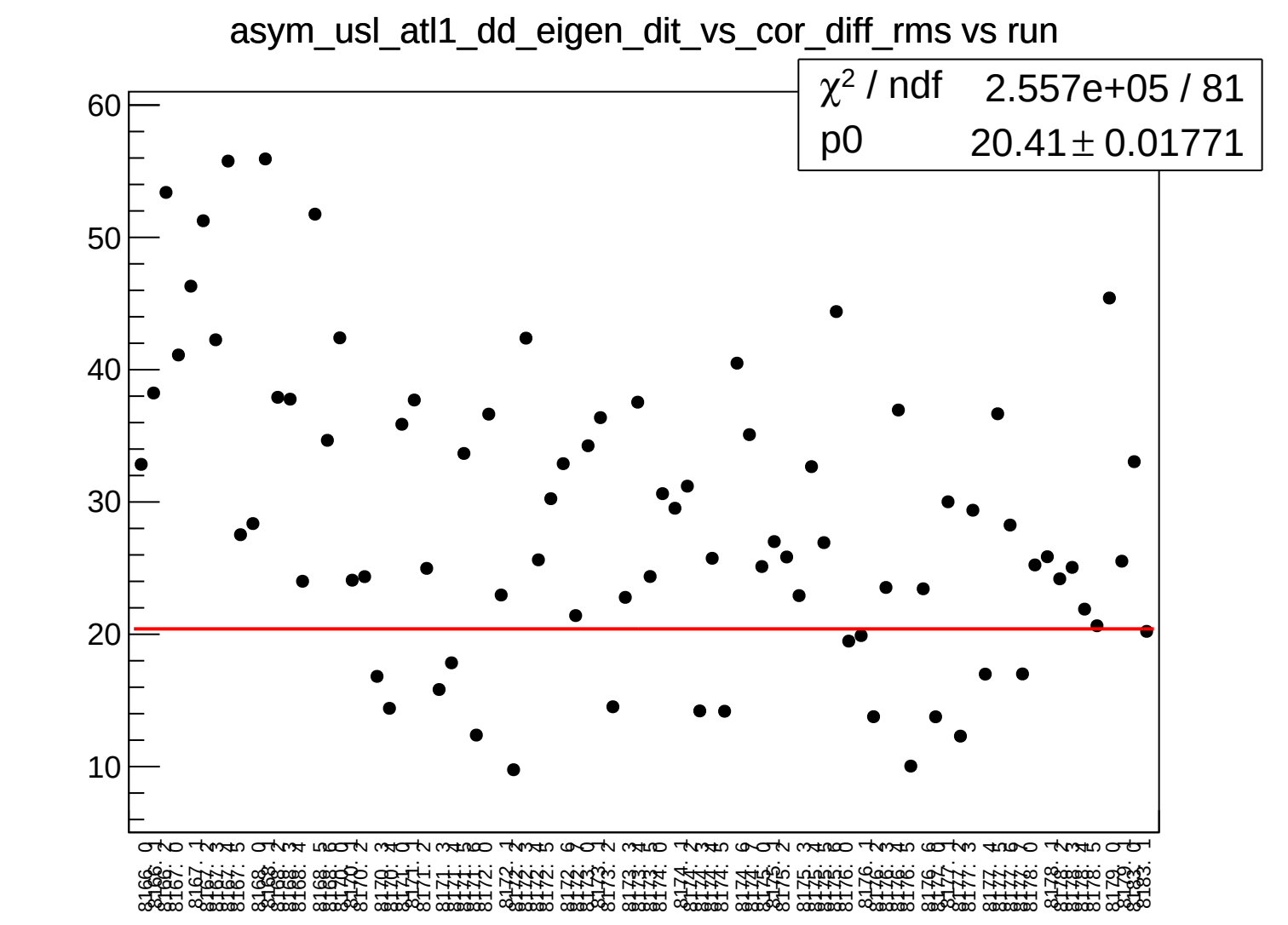

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.557e+05 / 81
p0 20.41 ± 0.01771
60
50
40
30
20
10

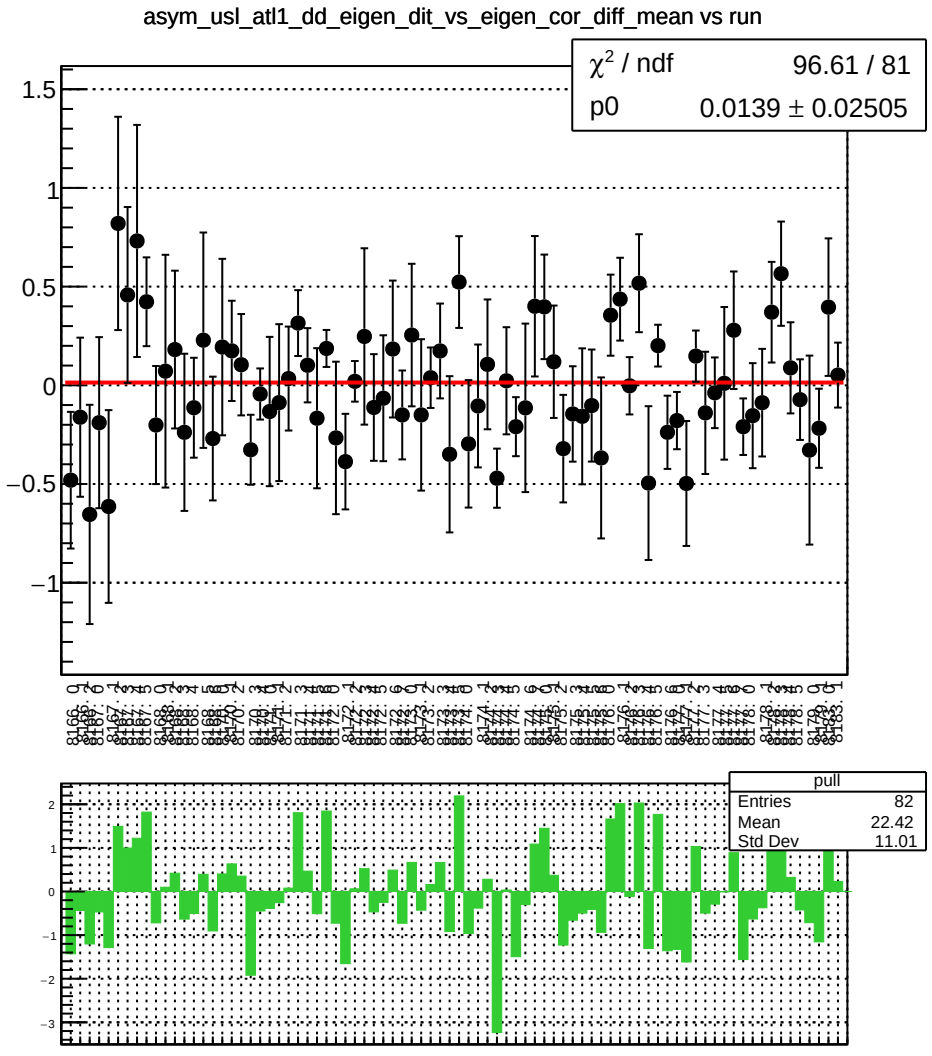

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.84 / 81
p0 2.597e−06 ± 9.633e−07
pull
Entries 82
Mean −121.4
Std Dev 0

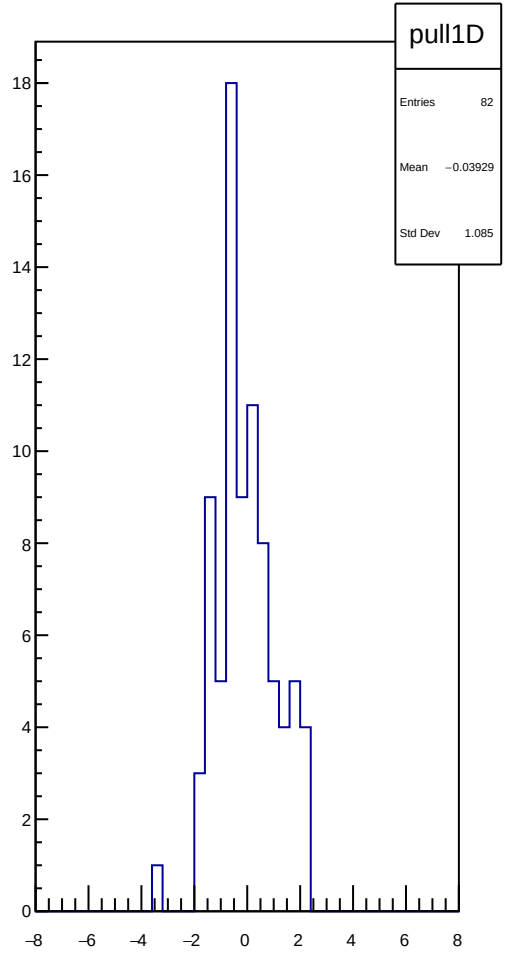

pull1D
Entries 82
Mean −0.01075
Std Dev 1.017

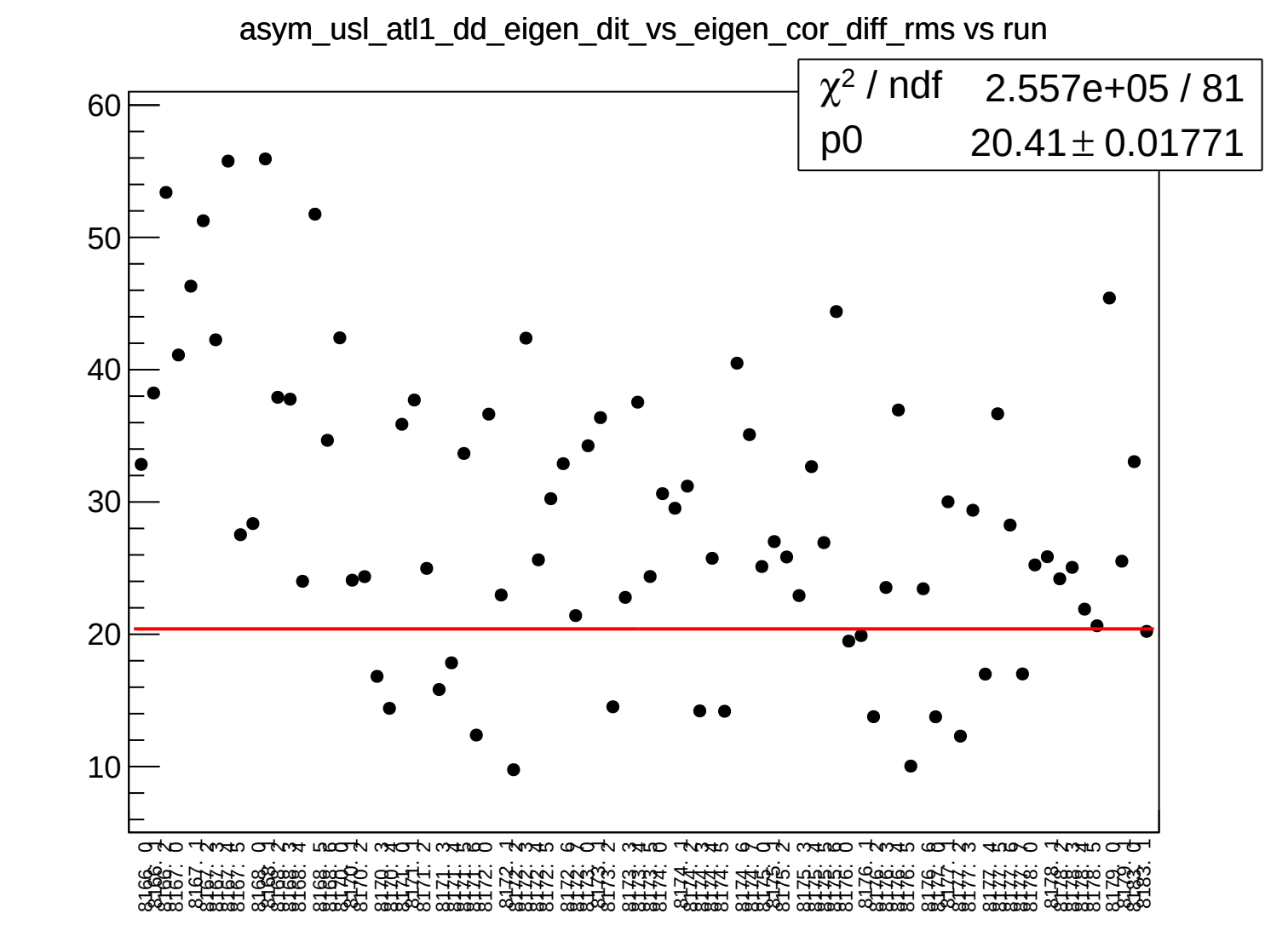

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3589 / 81
p0 0.000856 ± 6.812e−07
0.001
0.00095
0.0009
0.00085
0.0008

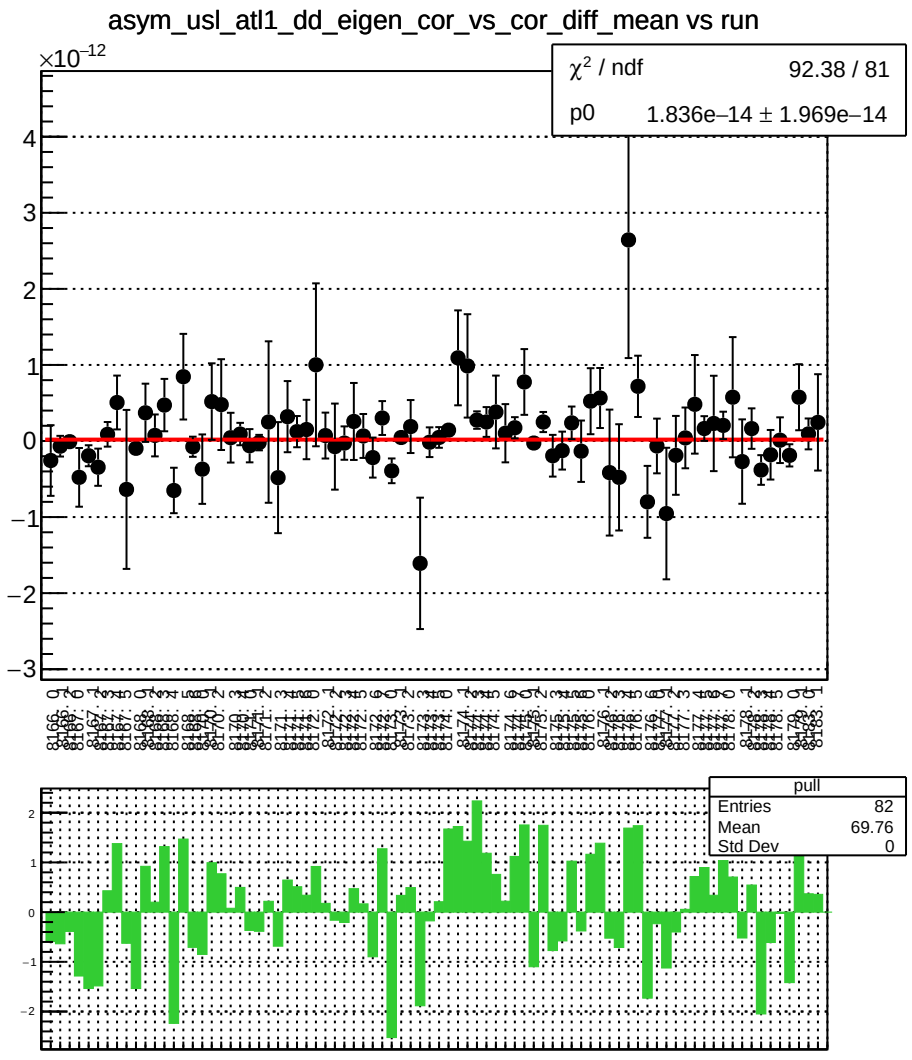

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 96.61 / 81
p0 0.0139 ± 0.02505
pull
Entries 82
Mean 22.42
Std Dev 11.01
pull1D
Entries 82
Mean −0.03929
Std Dev 1.085

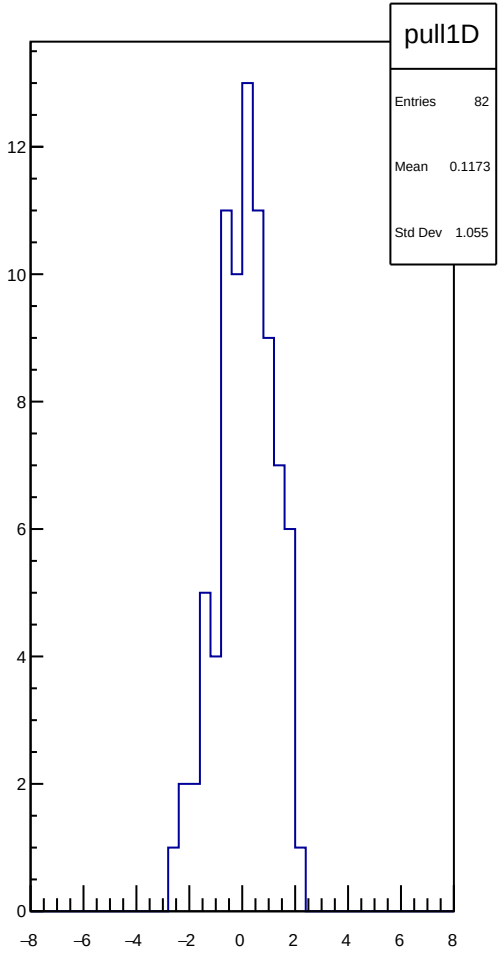

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.557e+05 / 81
p0 20.41 ± 0.01771
60
50
40
30
20
10

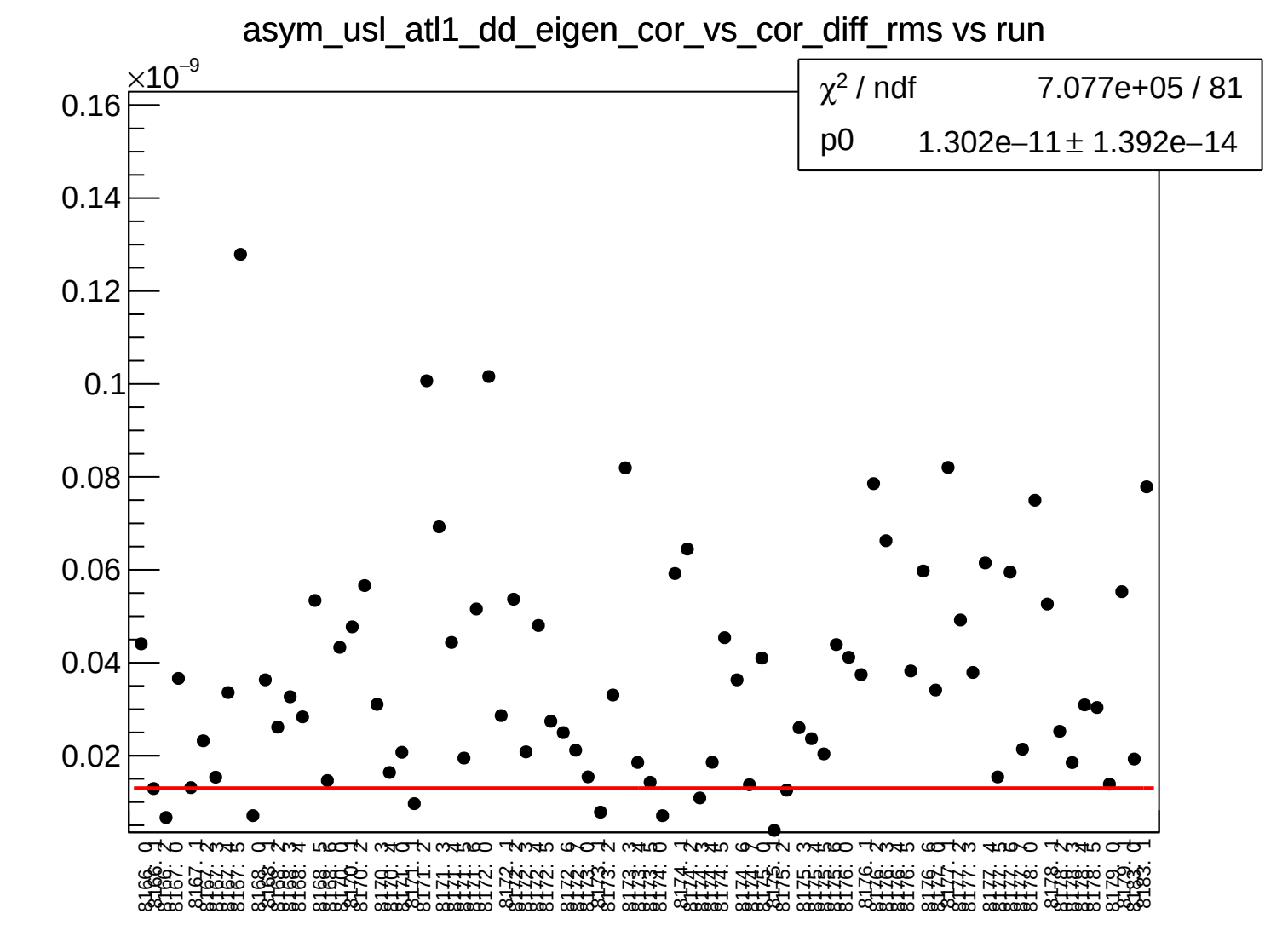

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 96.61 / 81
p0 0.0139 ± 0.02505
pull
Entries 82
Mean 22.42
Std Dev 11.01

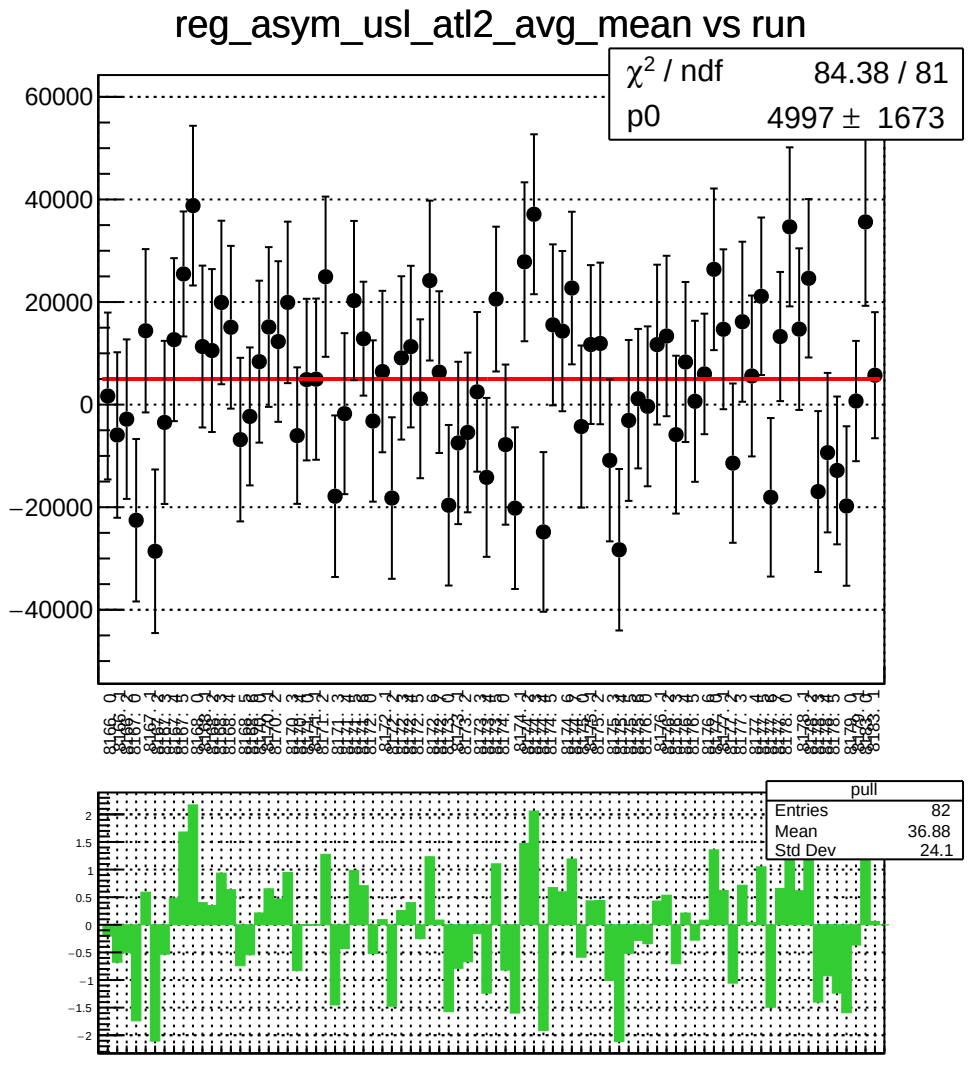

pull1D
Entries 82
Mean −0.03929
Std Dev 1.085

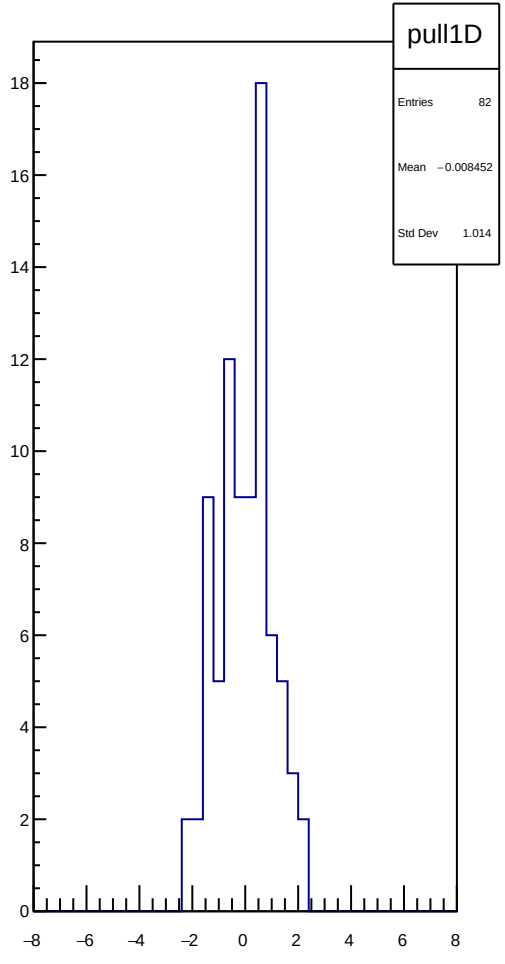

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.557e+05 / 81
p0 20.41 ± 0.01771
60
50
40
30
20
10

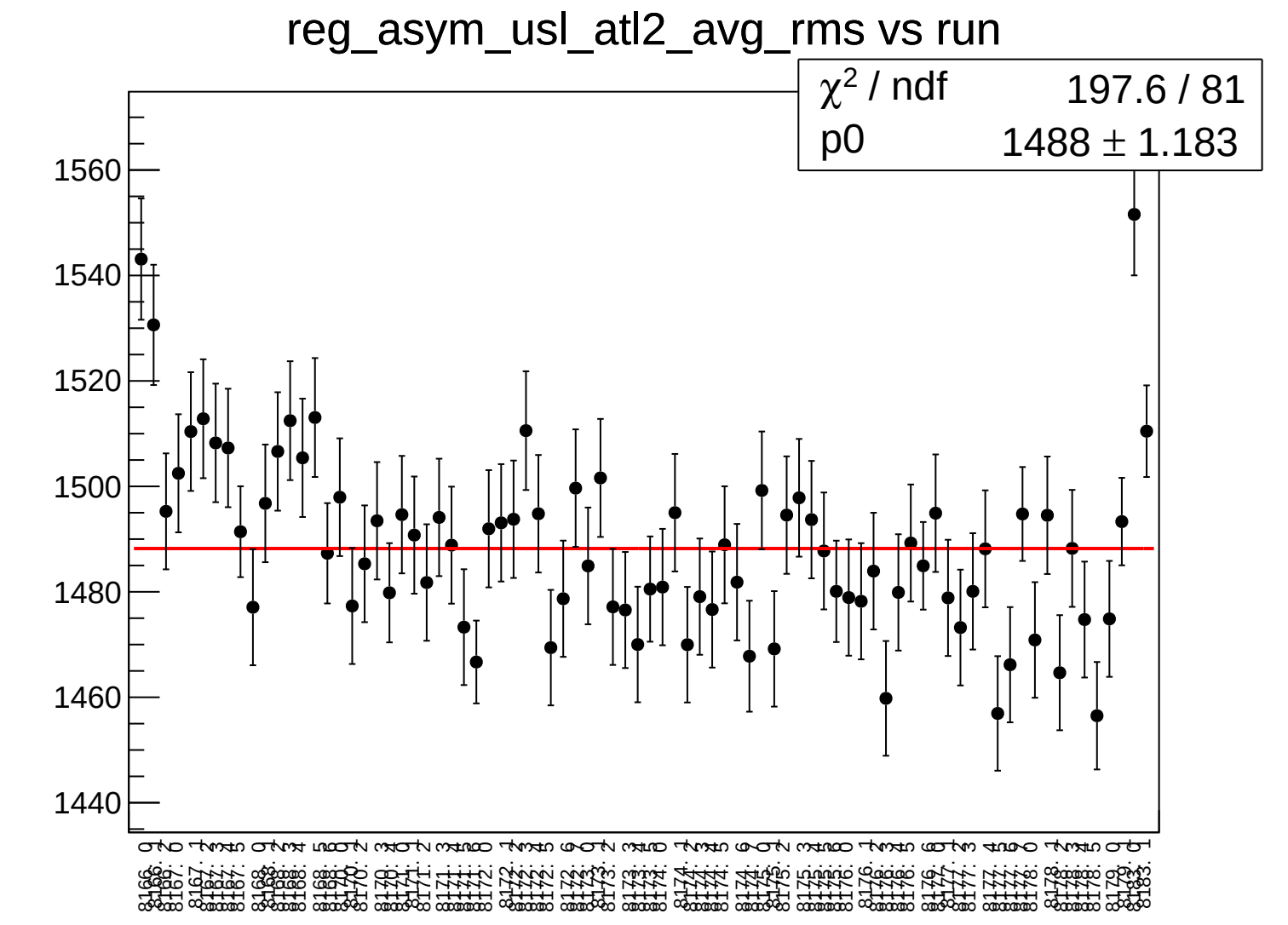

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 92.38 / 81
p0 1.836e−14 ± 1.969e−14
pull
Entries 82
Mean 69.76
Std Dev 0

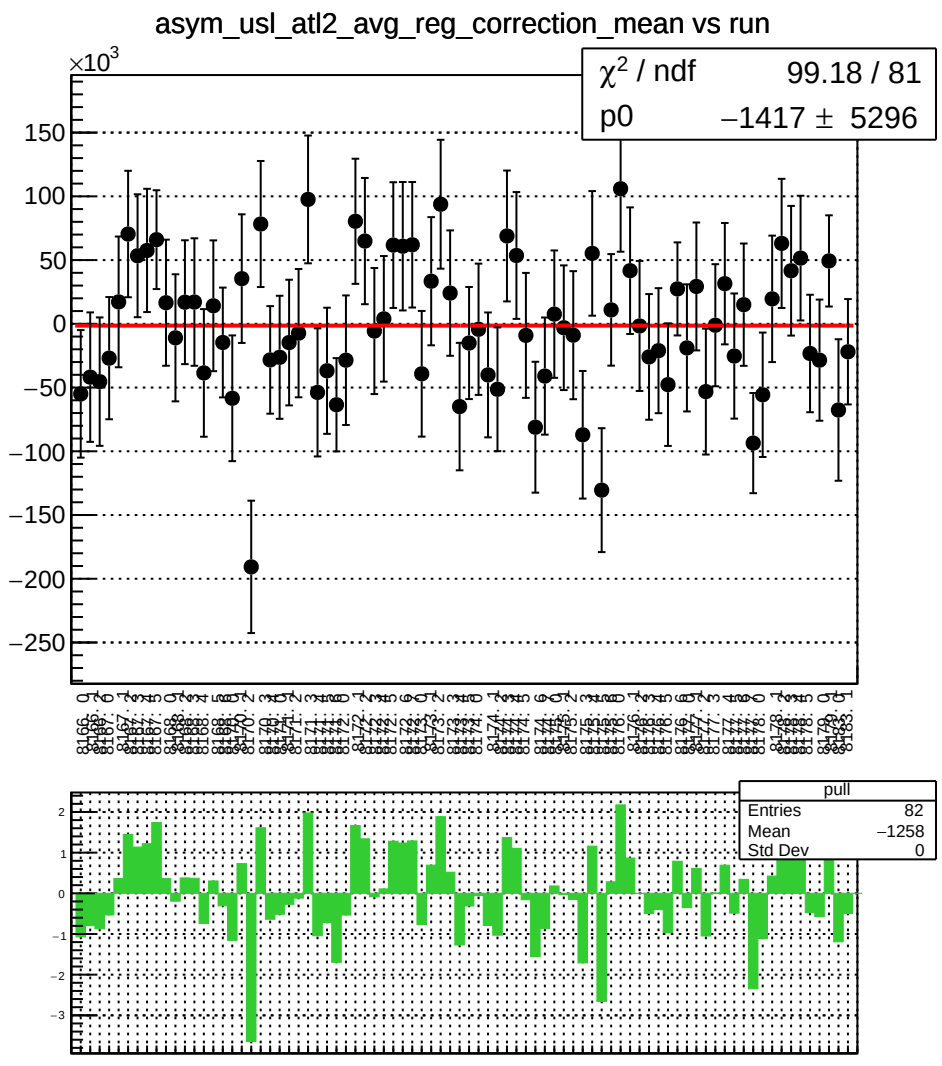

pull1D
Entries 82
Mean 0.1173
Std Dev 1.055

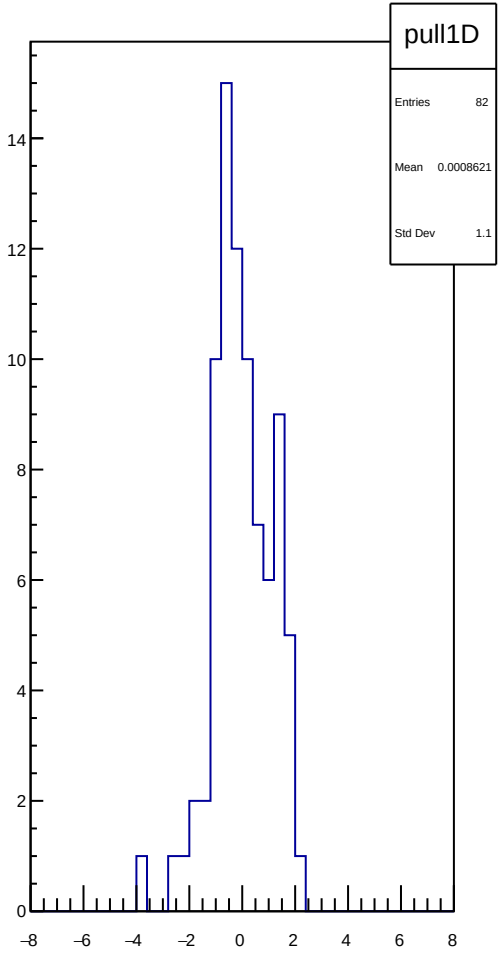

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.077e+05 / 81
p0 1.302e−11 ± 1.392e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

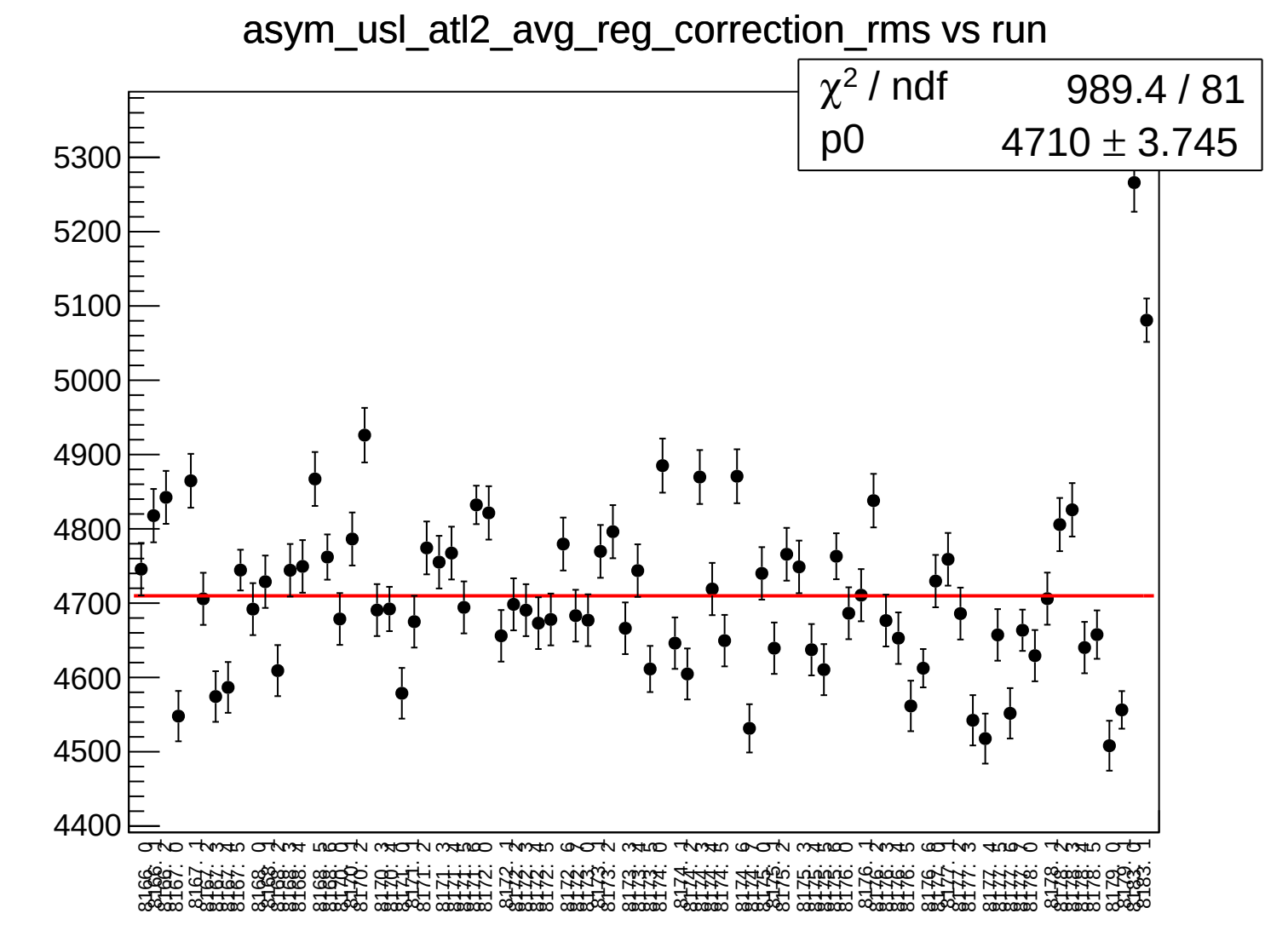

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 84.38 / 81
p0 4997 ± 1673
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 36.88
Std Dev 24.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

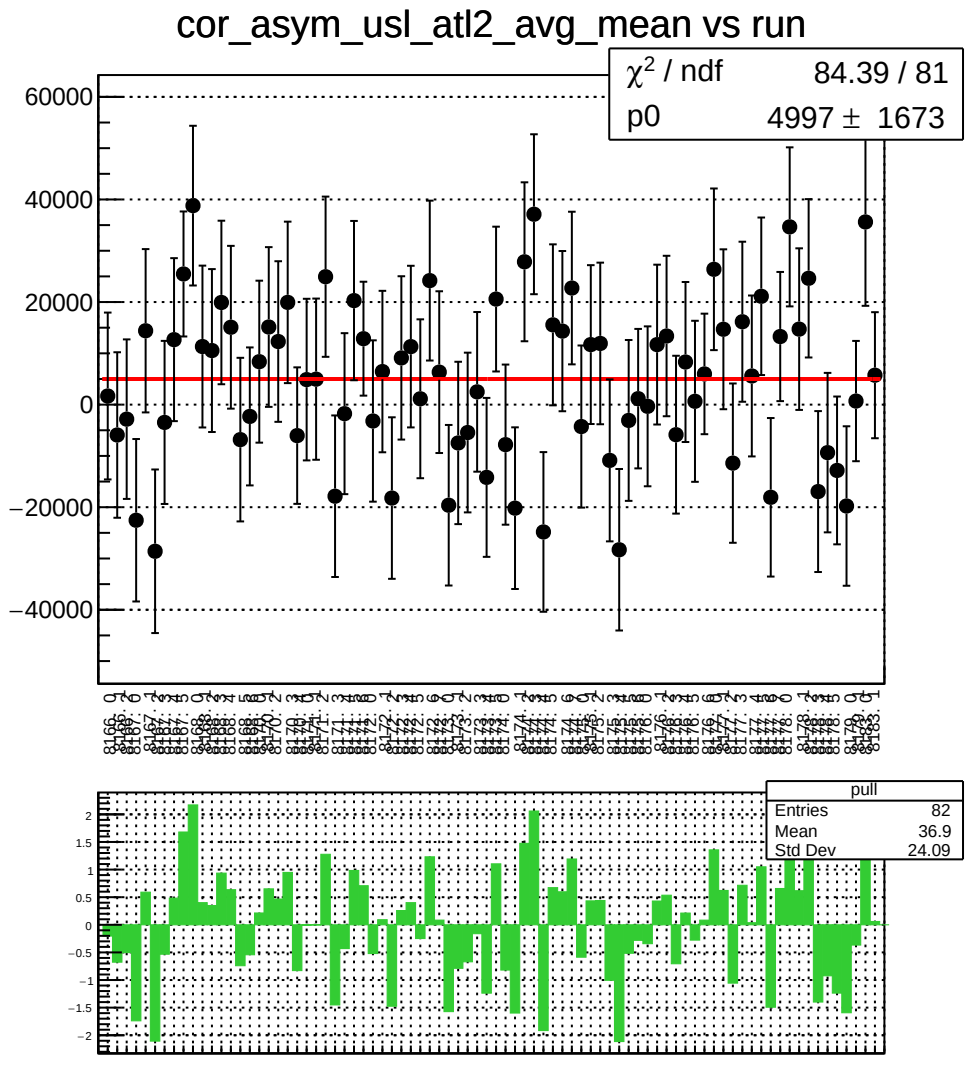

pull1D
Entries 82
Mean −0.008452
Std Dev 1.014
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

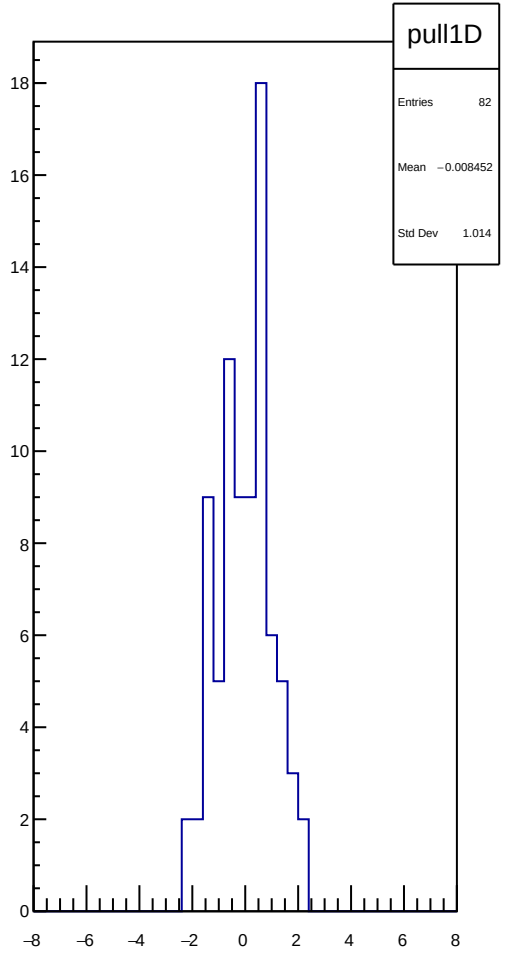

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 197.6 / 81
p0 1488 ± 1.183
1560
1540
1520
1500
1480
1460
1440

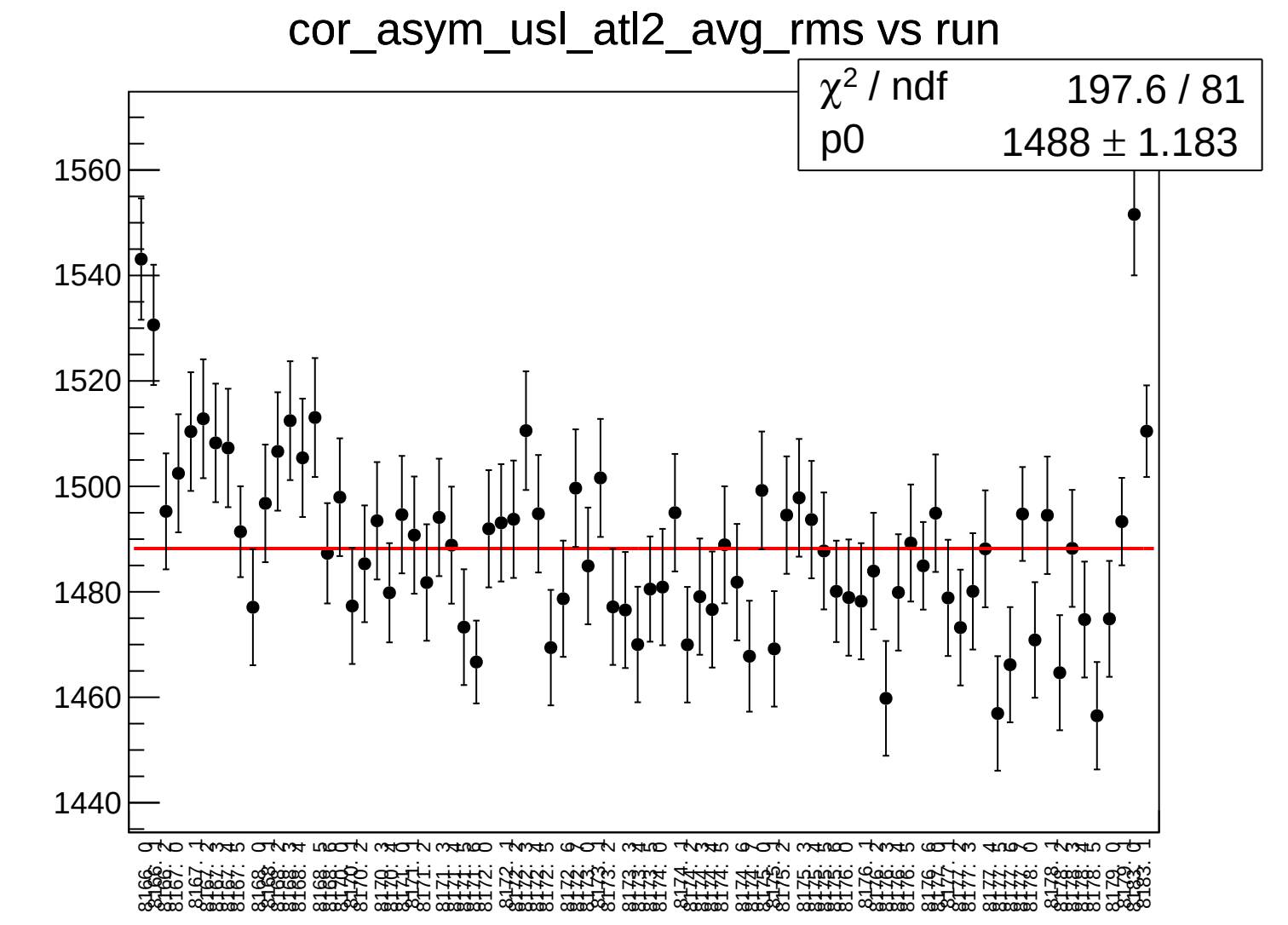

asym_usl_atl2_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 99.18 / 81
p0 −1417 ± 5296
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −1258
Std Dev 0
2
1
0
−1
−2
−3

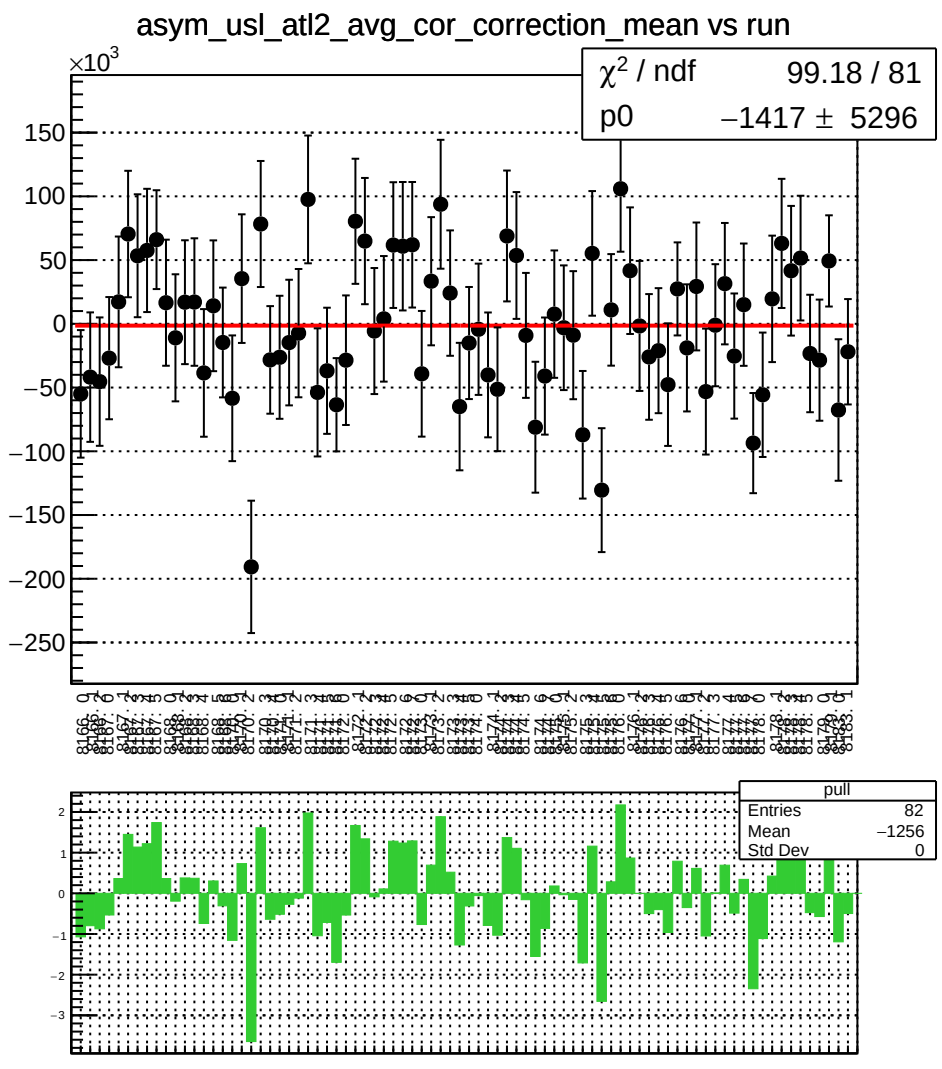

pull1D
Entries 82
Mean 0.0008621
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

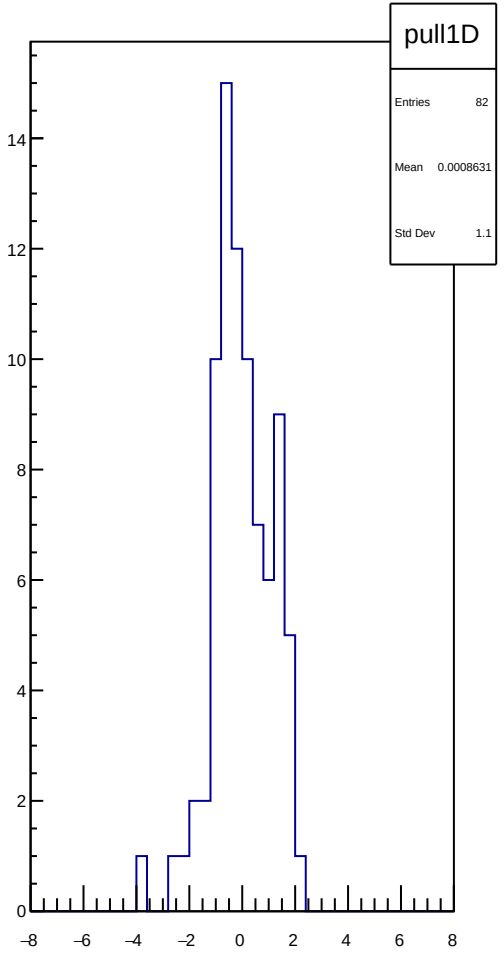

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 989.4 / 81
p0 4710 ± 3.745
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400

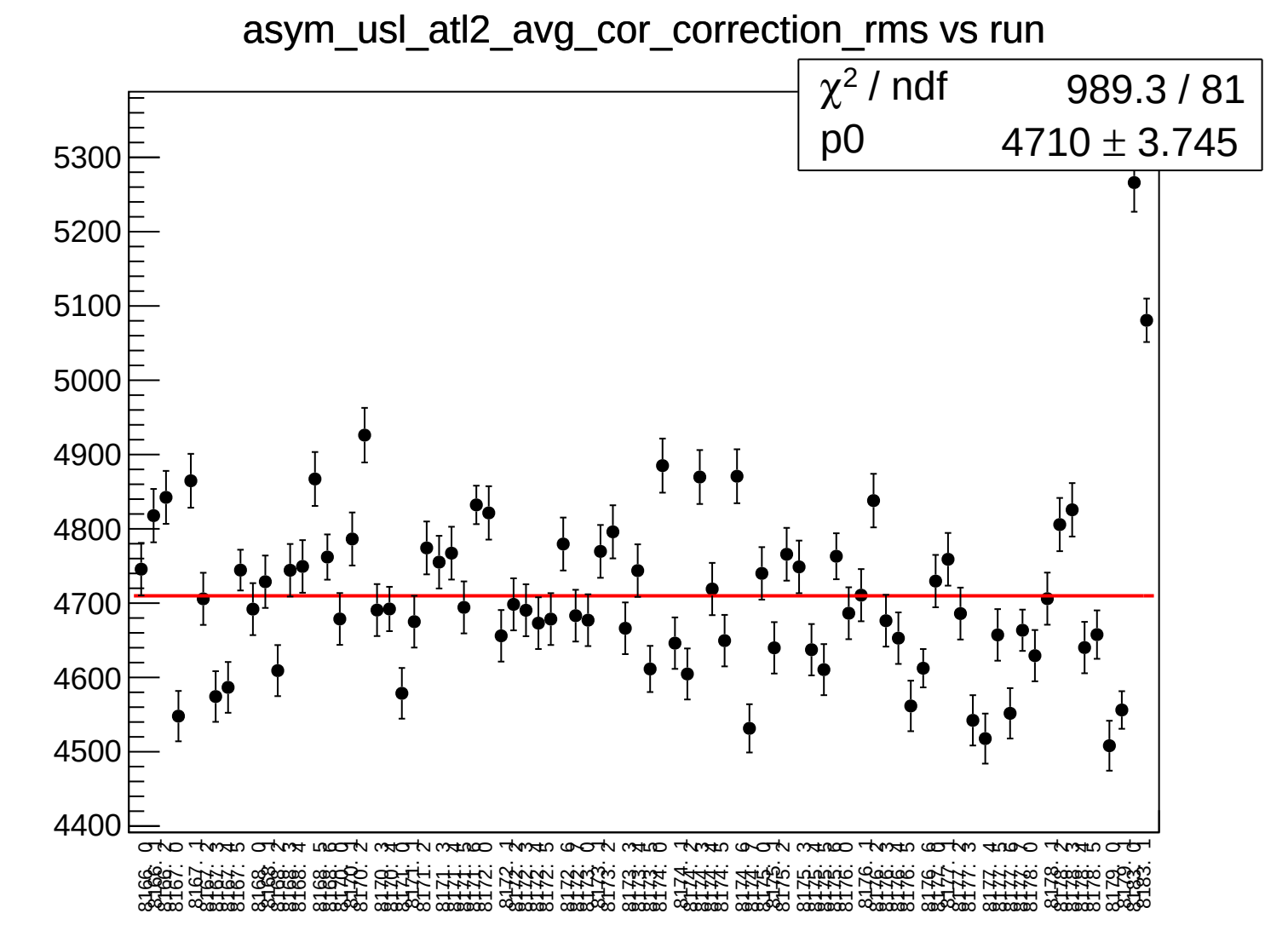

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 84.39 / 81
p0 4997 ± 1673
pull
Entries 82
Mean 36.9
Std Dev 24.09

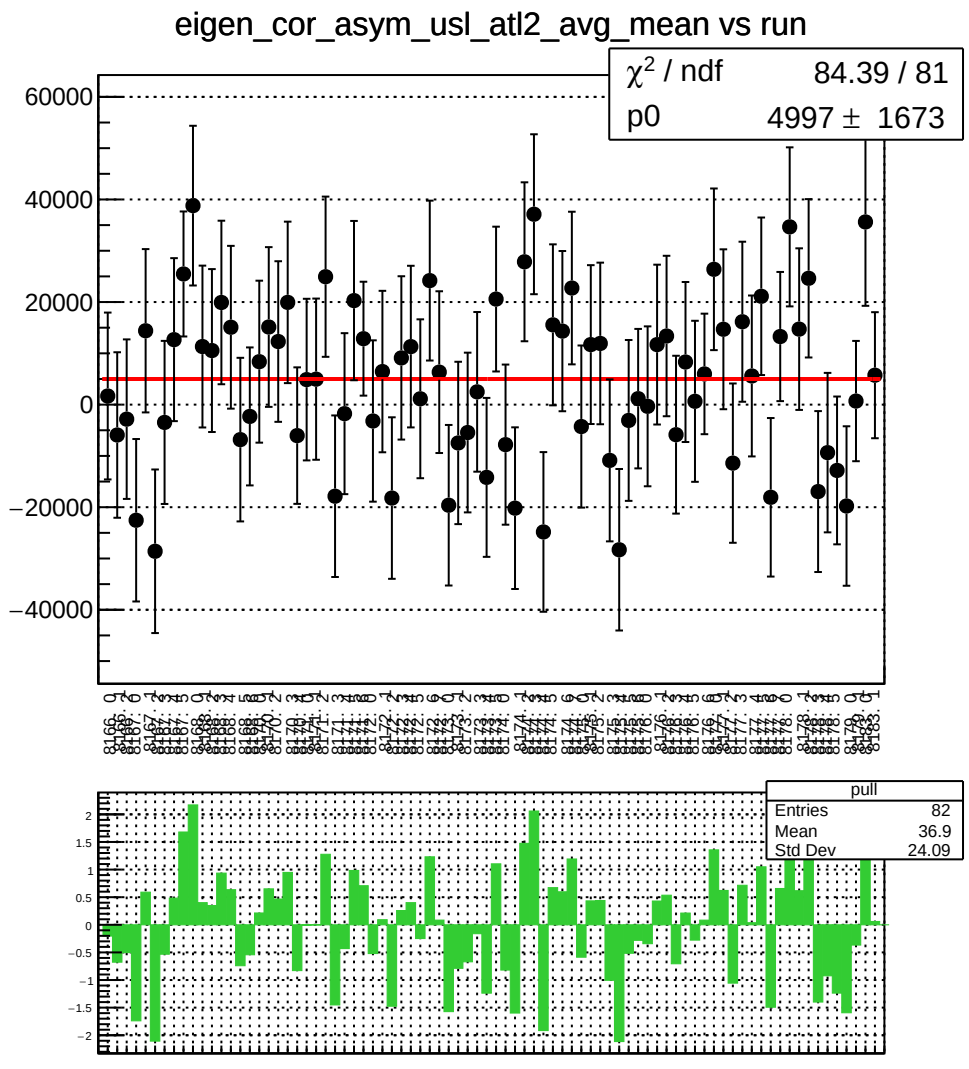

pull1D
Entries 82
Mean −0.008452
Std Dev 1.014

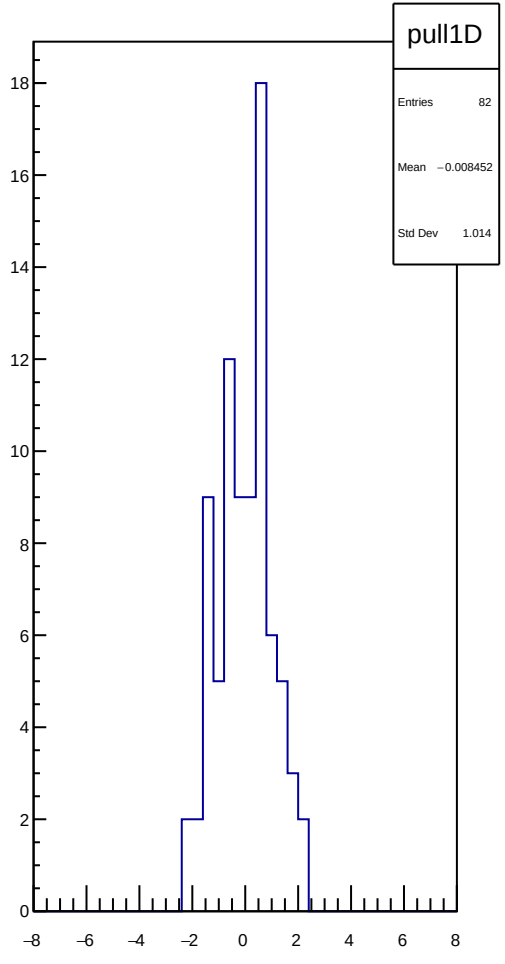

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 197.6 / 81
p0 1488 ± 1.183
1560
1540
1520
1500
1480
1460
1440

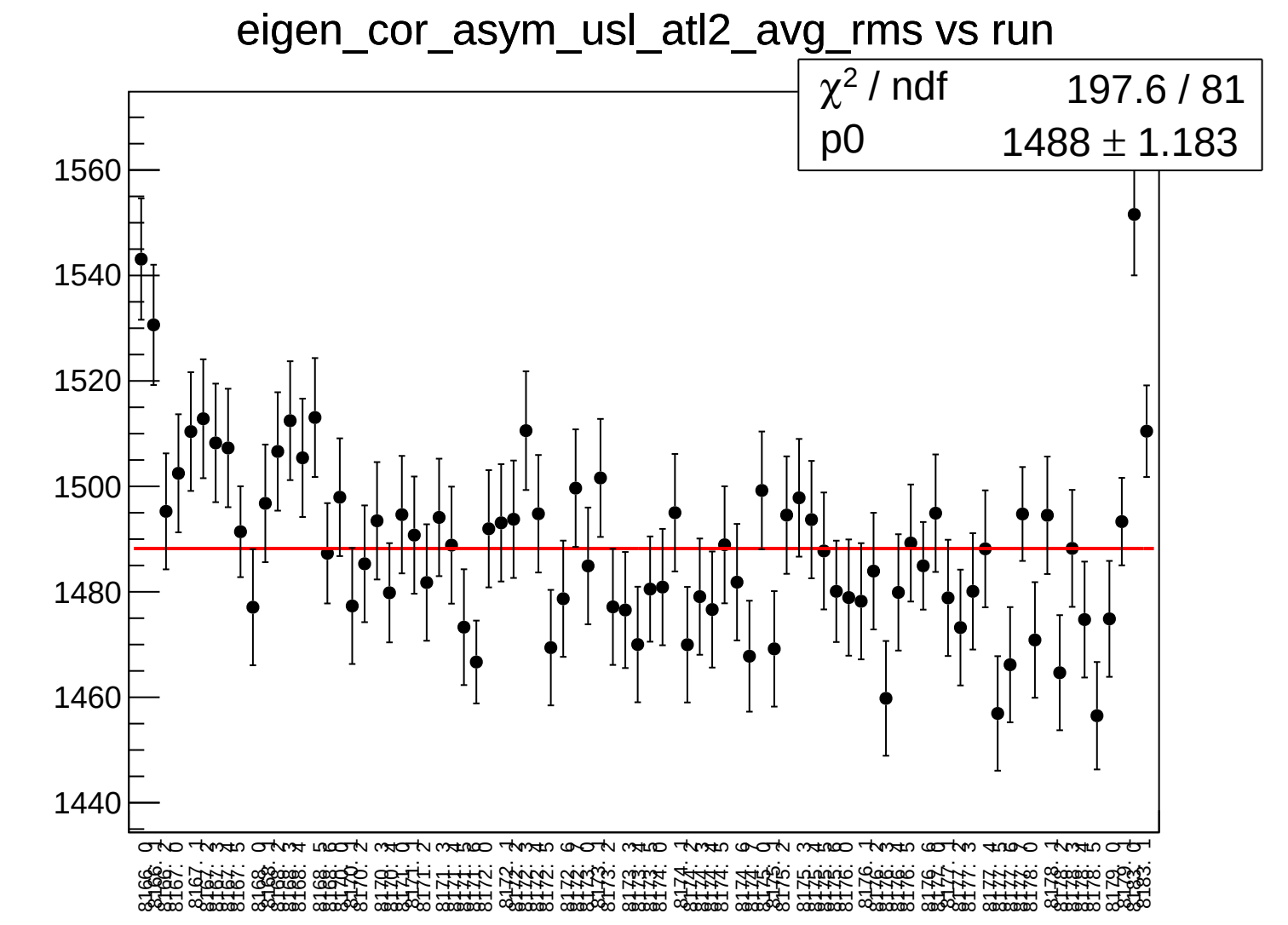

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 99.18 / 81
p0 −1417 ± 5296
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −1256
Std Dev 0
2
1
0
−1
−2
−3

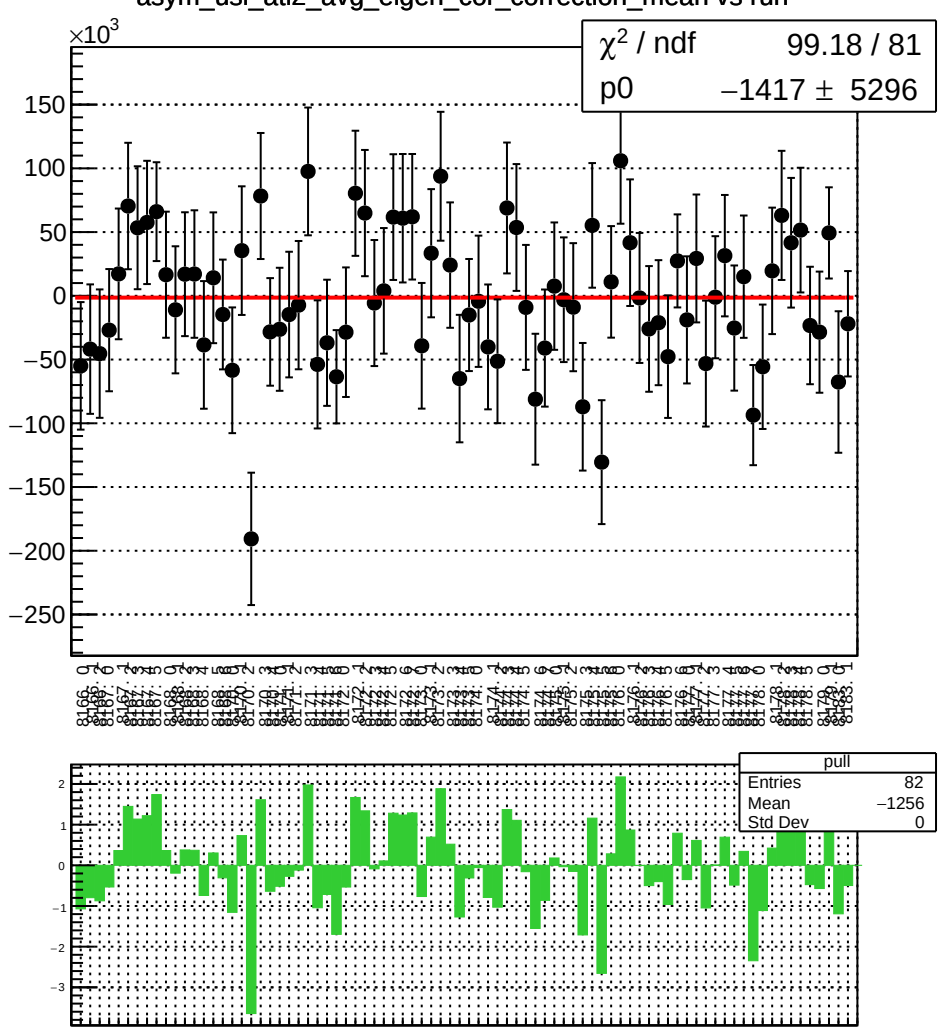

pull1D
Entries 82
Mean 0.0008631
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

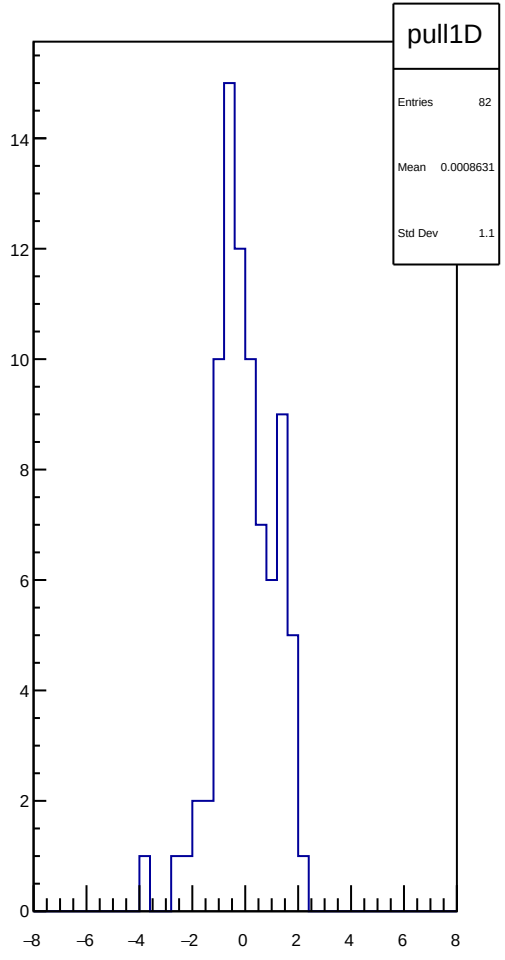

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 989.3 / 81
p0 4710 ± 3.745
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400

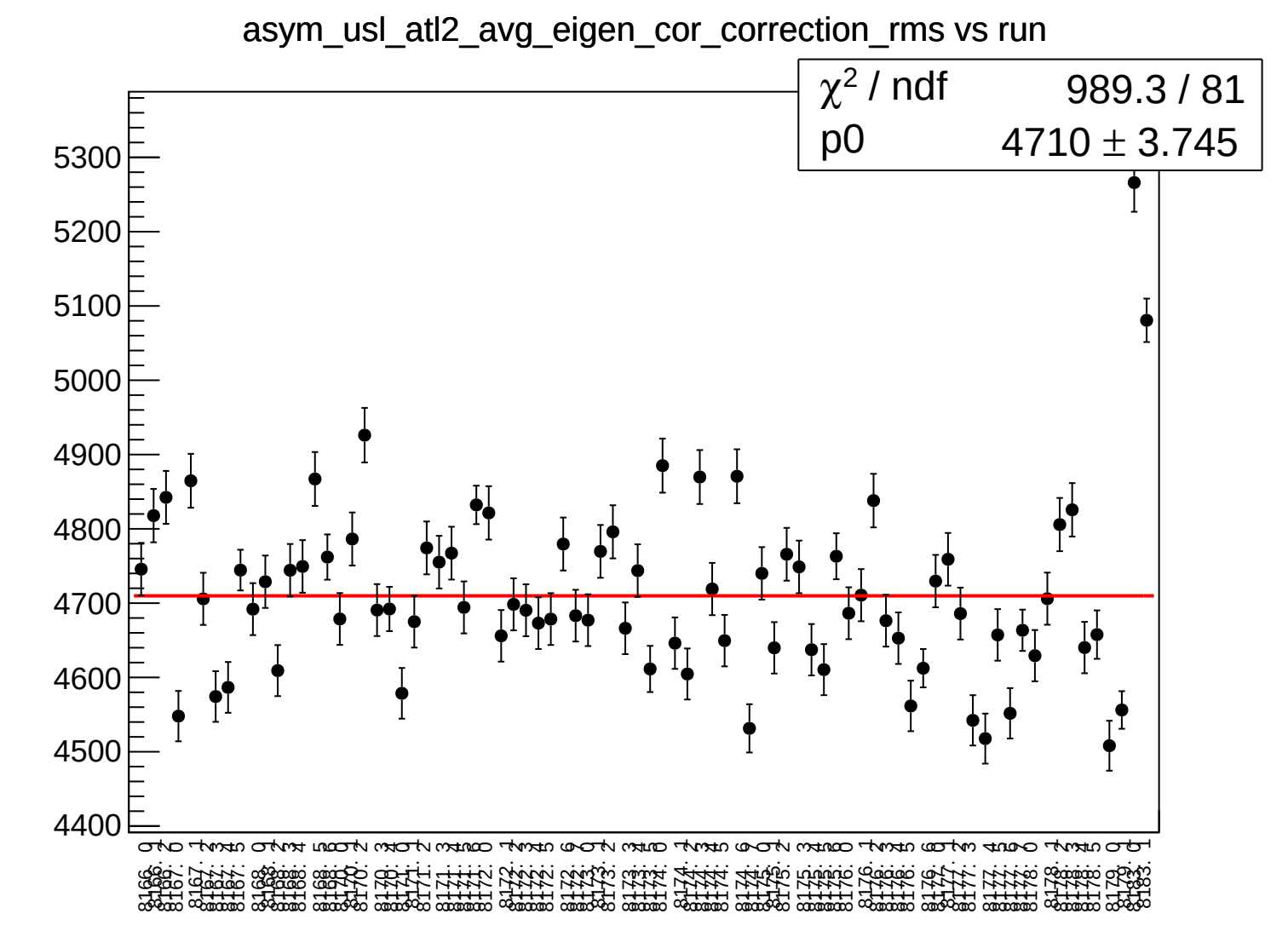

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 84.39 / 81
p0 4997 ± 1673
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 36.9
Std Dev 24.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

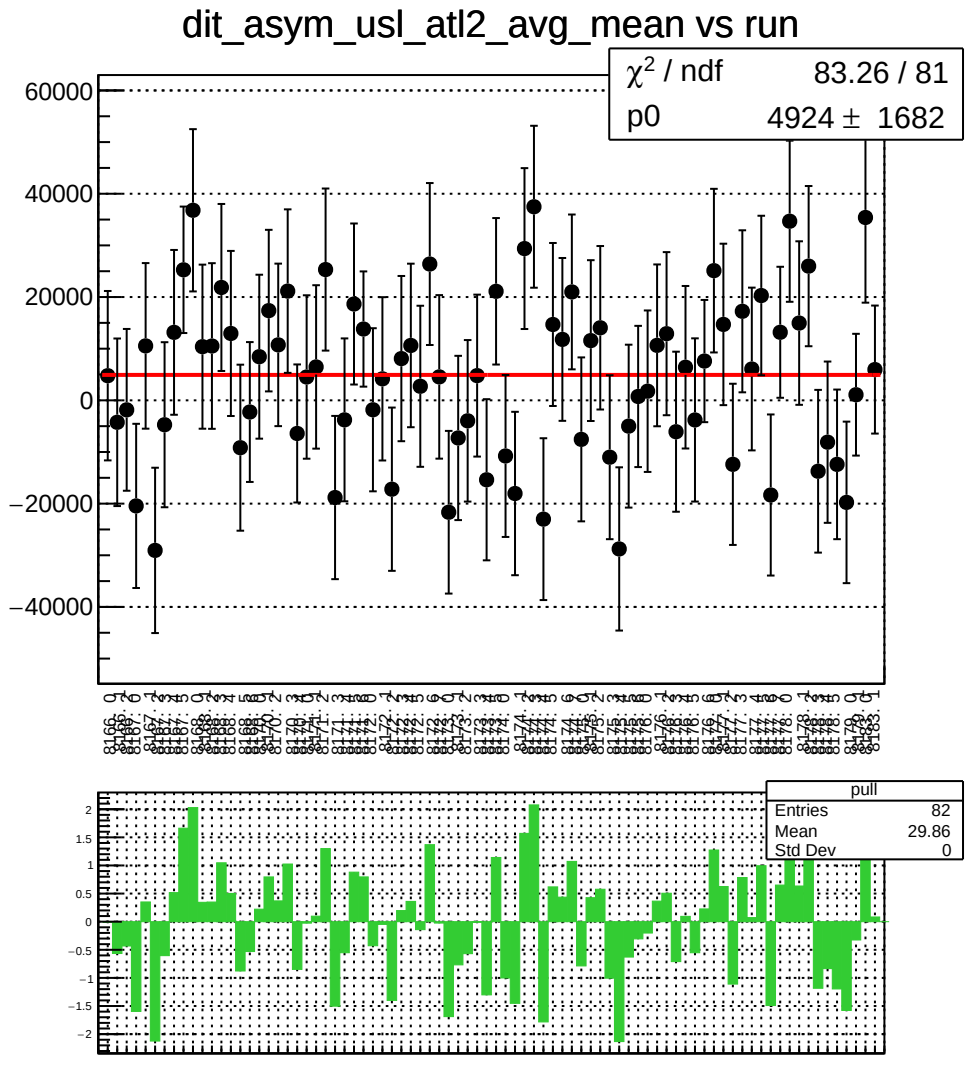

pull1D
Entries 82
Mean −0.008452
Std Dev 1.014
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

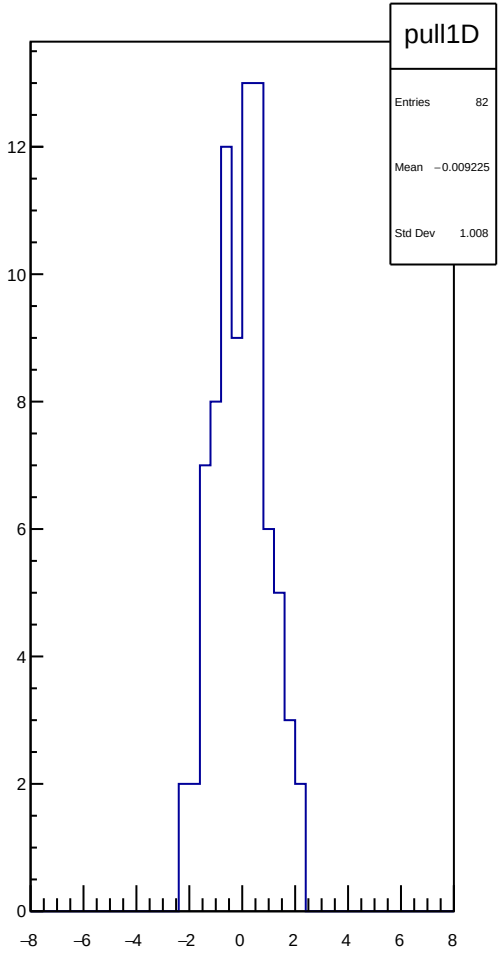

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 197.6 / 81
p0 1488 ± 1.183
1560
1540
1520
1500
1480
1460
1440

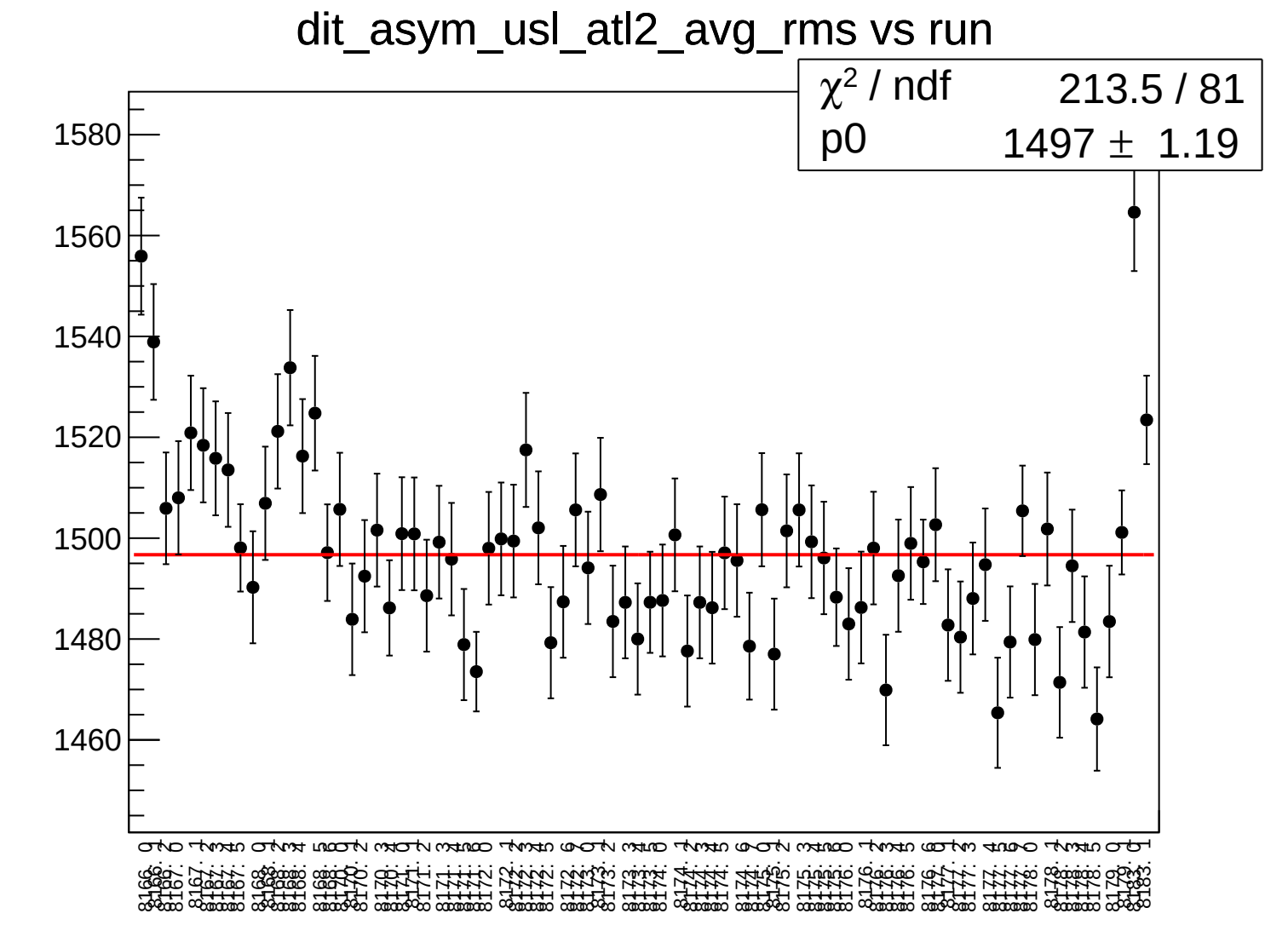

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 99.18 / 81
p0 −1417 ± 5296
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −1256
Std Dev 0
2
1
0
−1
−2
−3

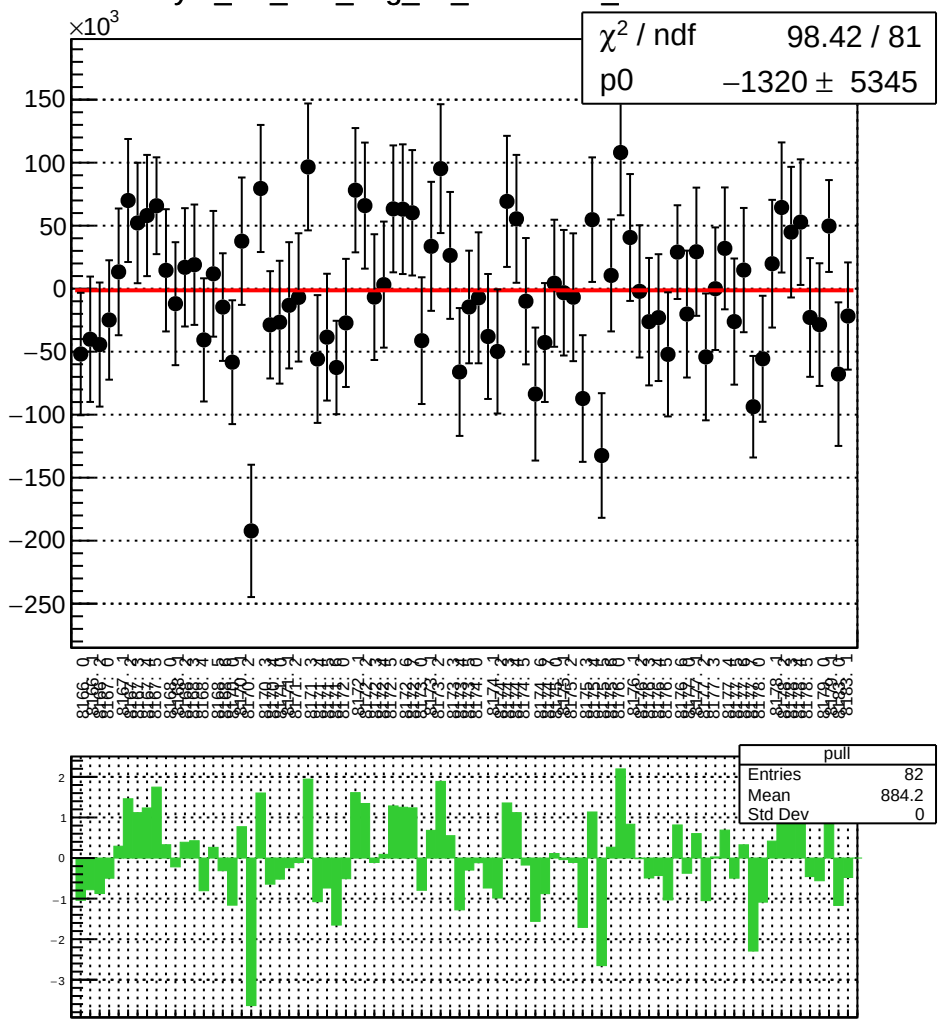

pull1D
Entries 82
Mean 0.0008631
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

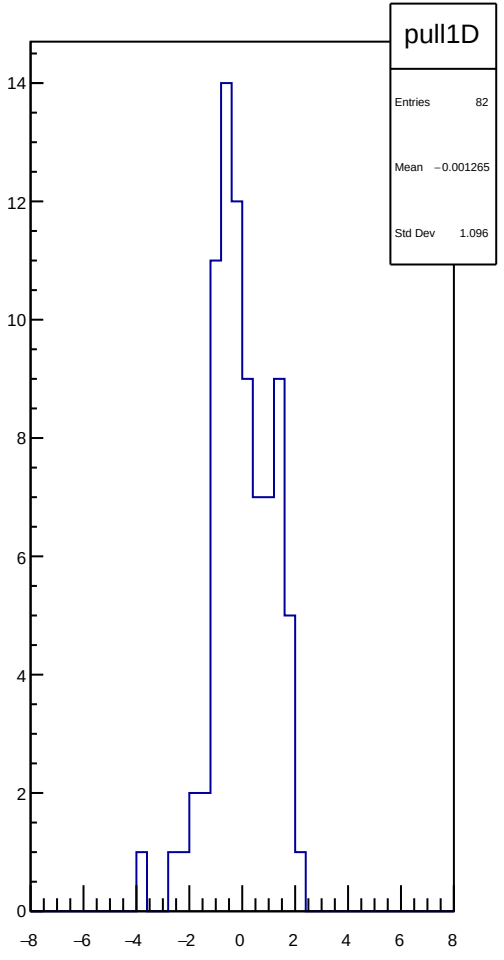

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 989.3 / 81
p0 4710 ± 3.745
5300
5200
5100
5000
4900
4800
4700
4600
4500
4400

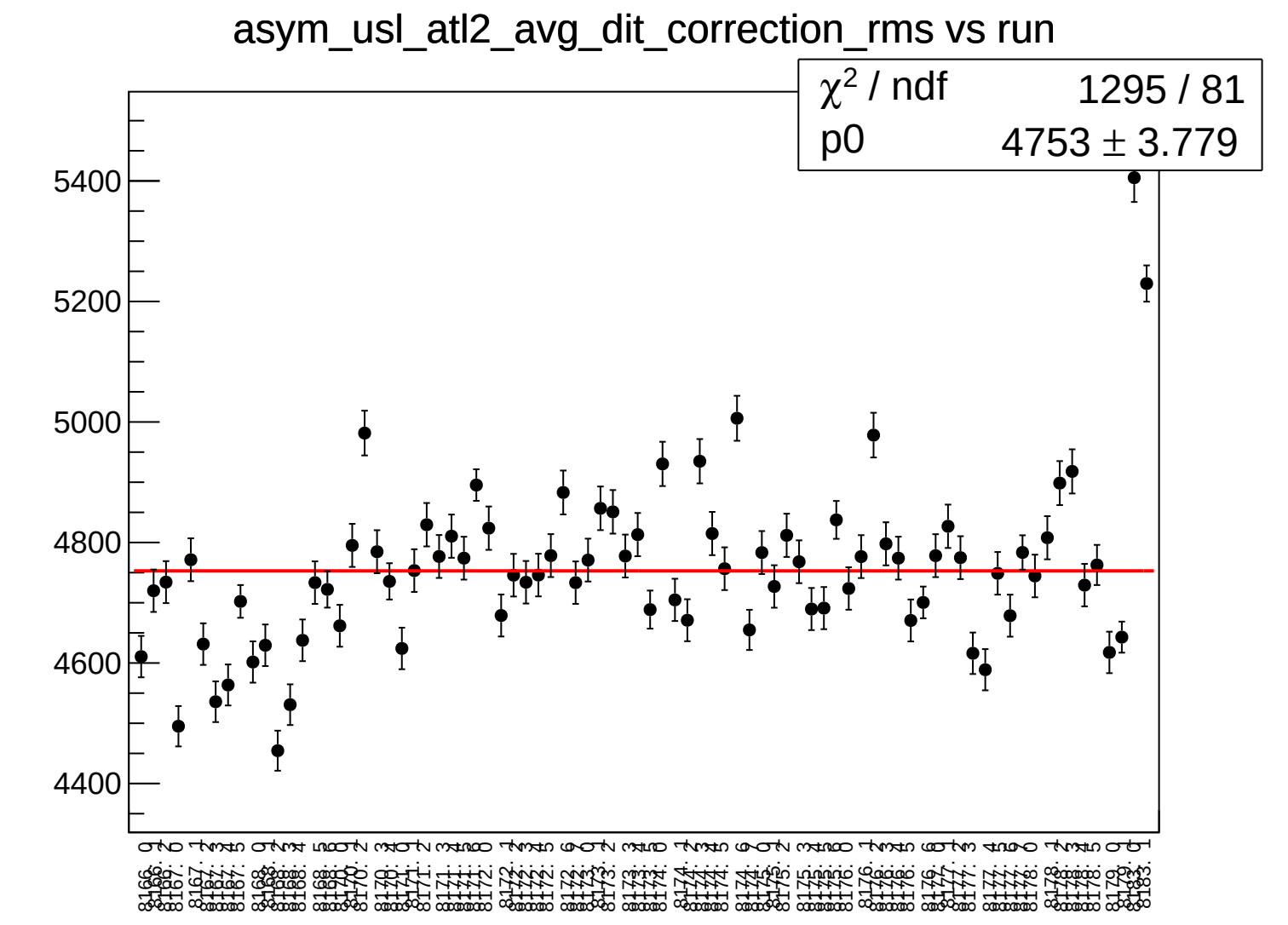

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 83.26 / 81
p0 4924 ± 1682
pull
Entries 82
Mean 29.86
Std Dev 0

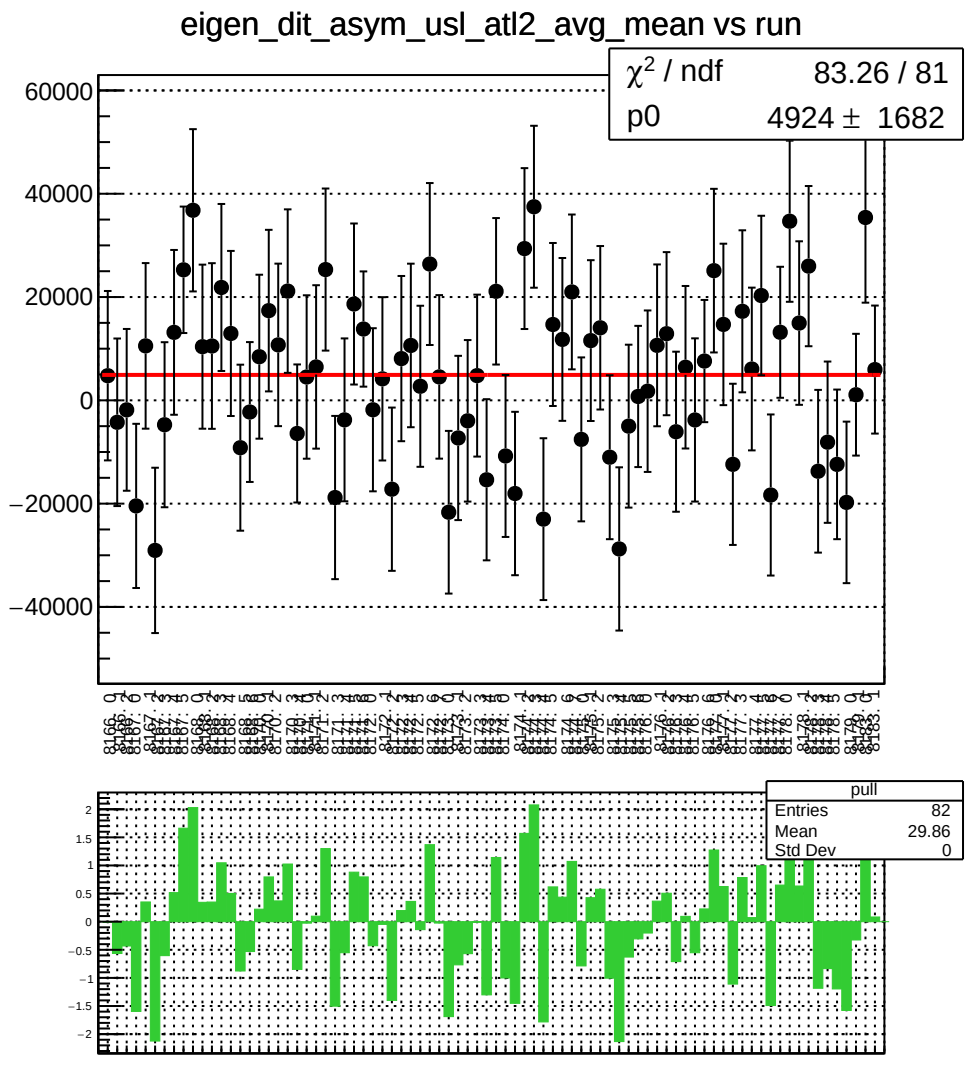

pull1D
Entries 82
Mean −0.009225
Std Dev 1.008

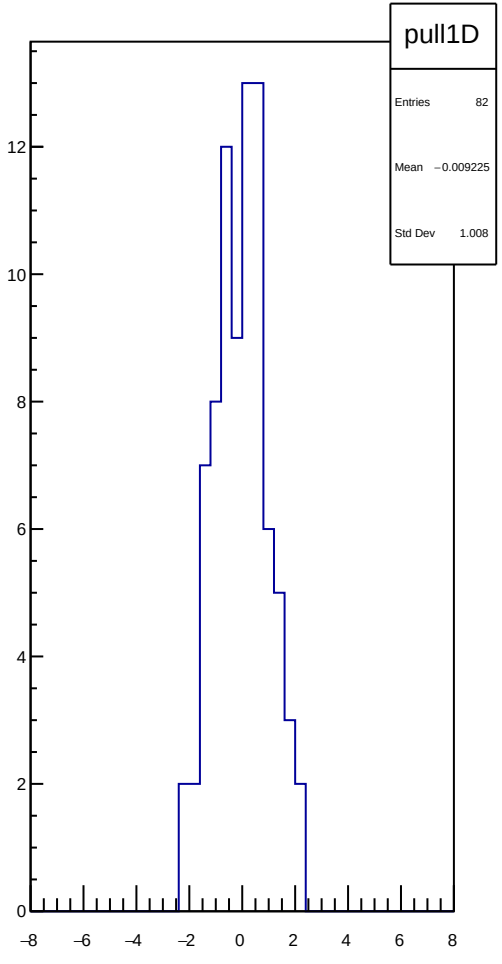

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 213.5 / 81
p0 1497 ± 1.19
1580
1560
1540
1520
1500
1480
1460

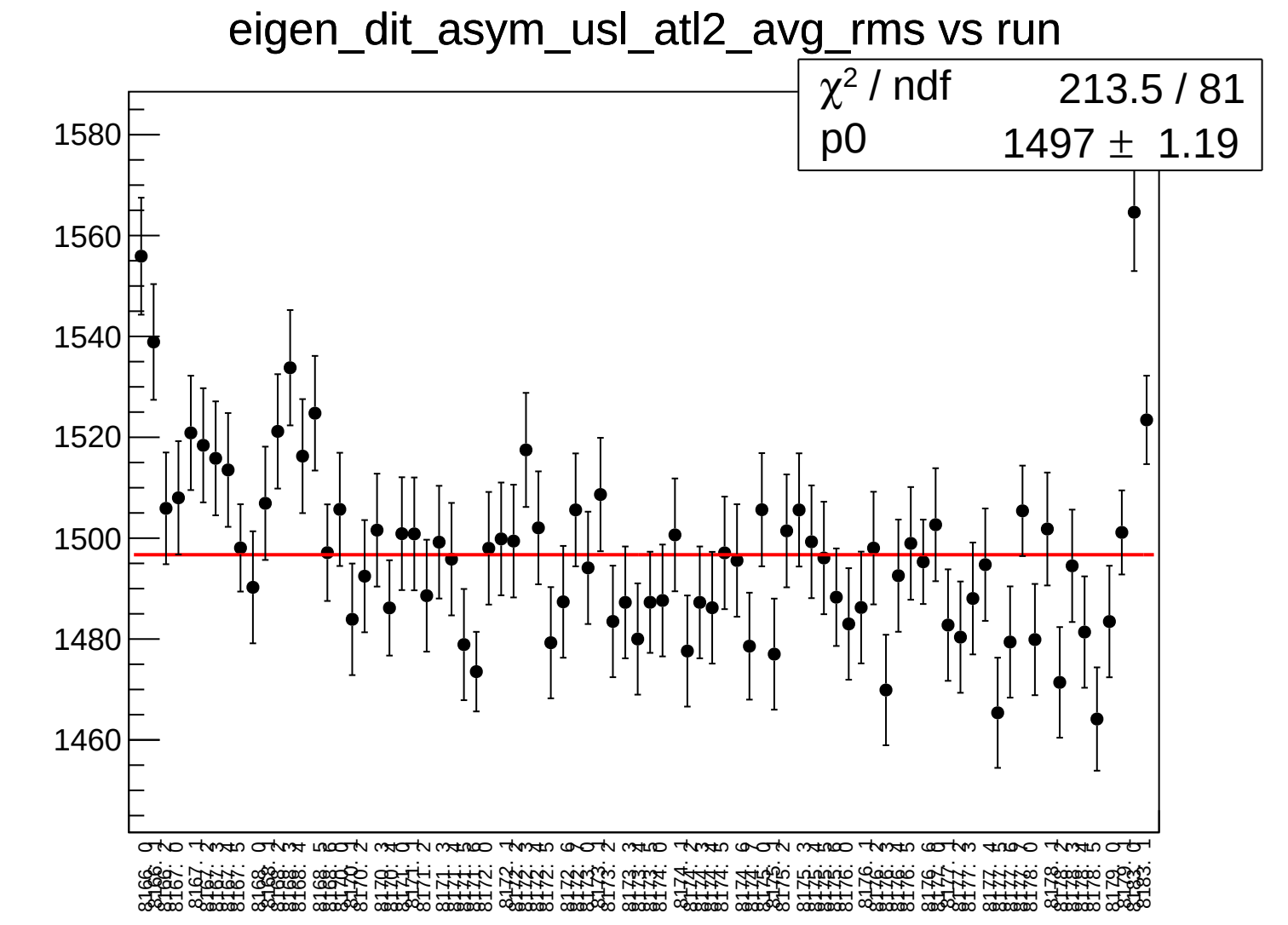

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 98.42 / 81
p0 −1320 ± 5345
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 884.2
Std Dev 0
2
1
0
−1
−2
−3

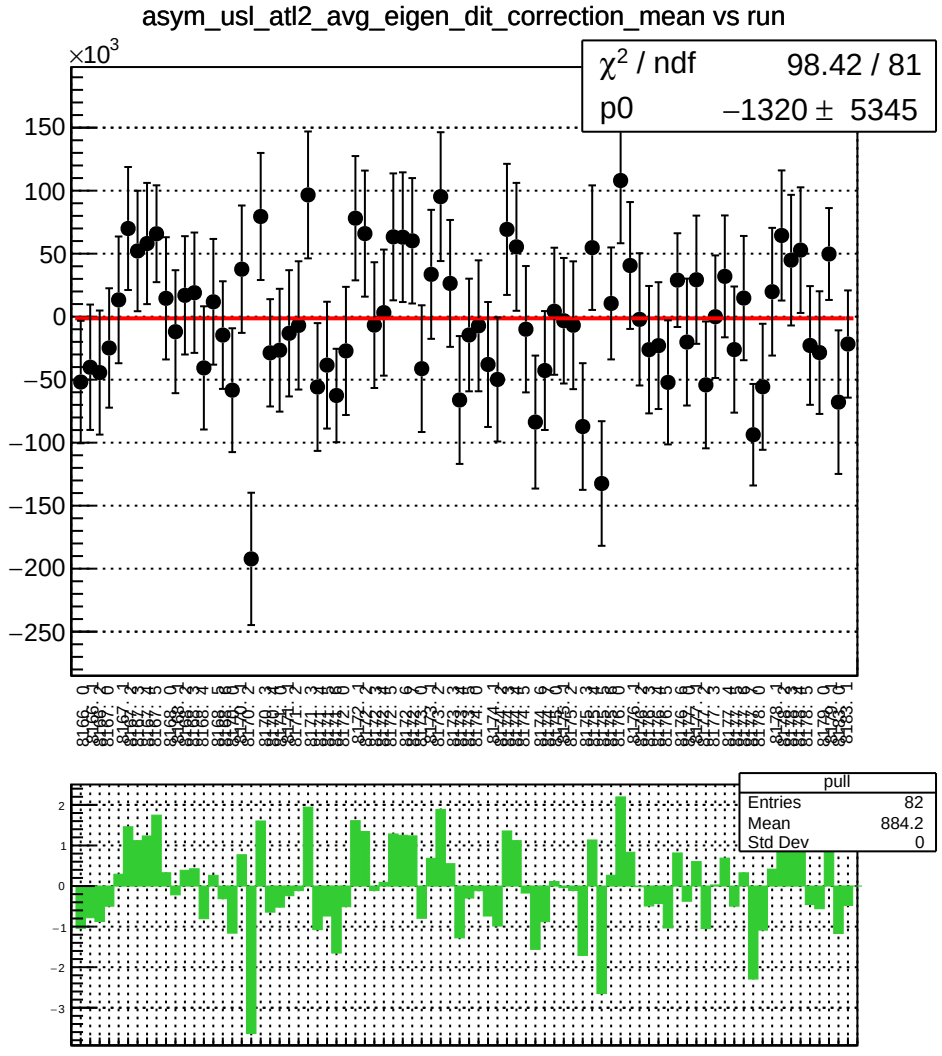

pull1D
Entries 82
Mean −0.001265
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

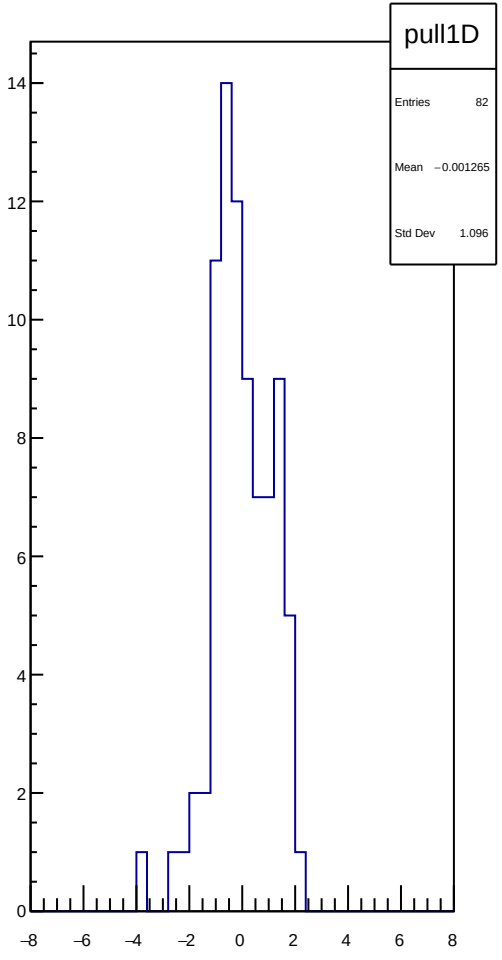

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 1295 / 81
p0 4753 ± 3.779
5400
5200
5000
4800
4600
4400

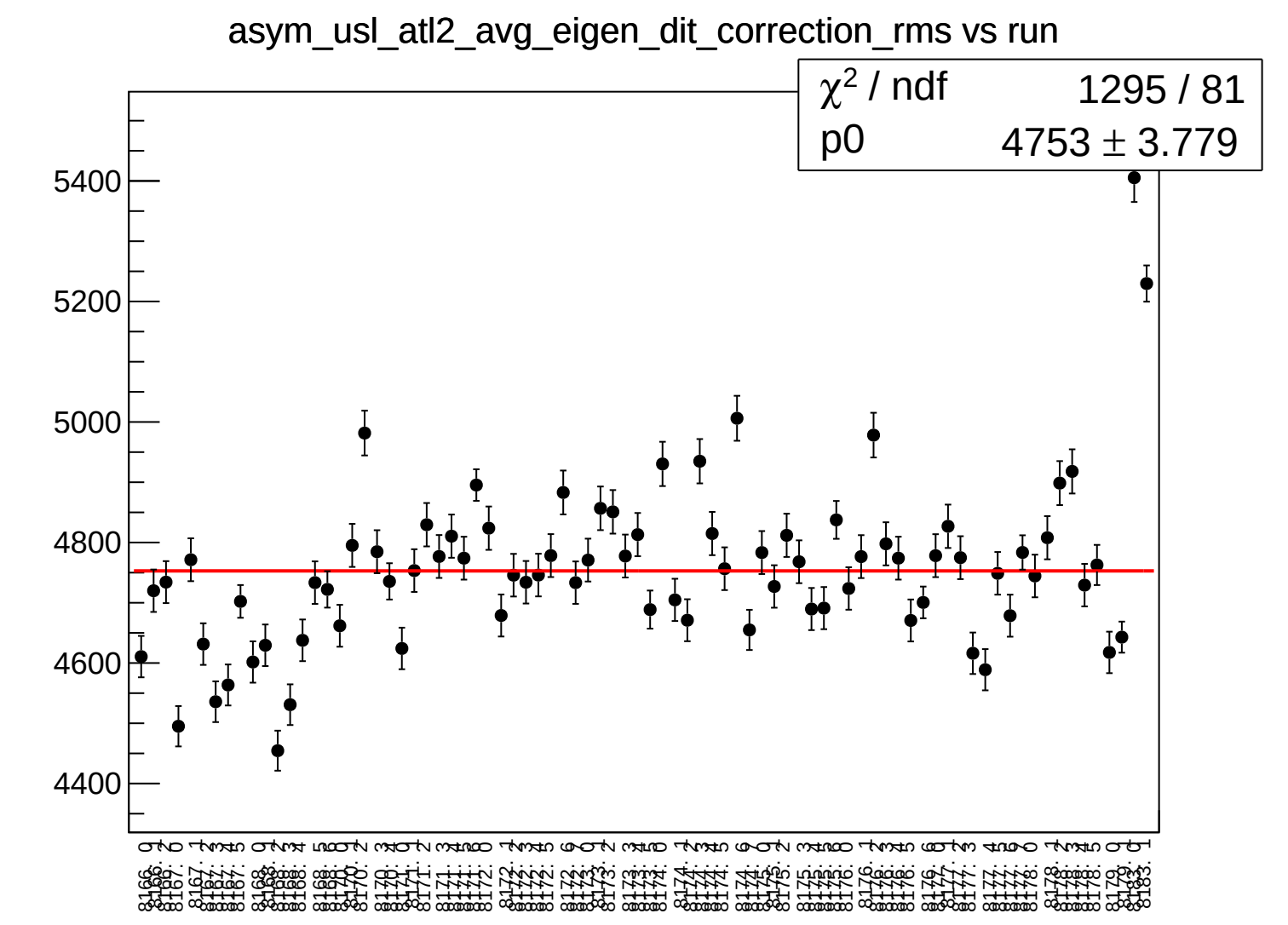

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 83.26 / 81
p0 4924 ± 1682
pull
Entries 82
Mean 29.86
Std Dev 0

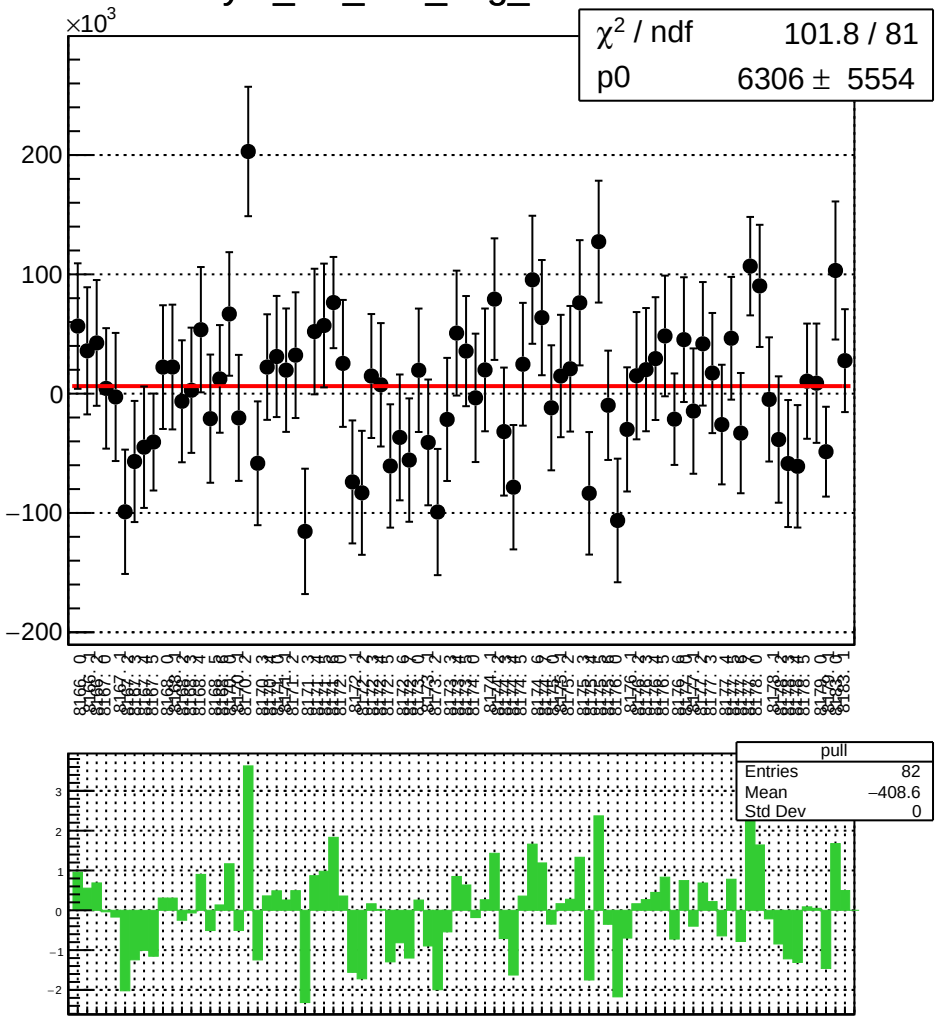

pull1D
Entries 82
Mean −0.009225
Std Dev 1.008

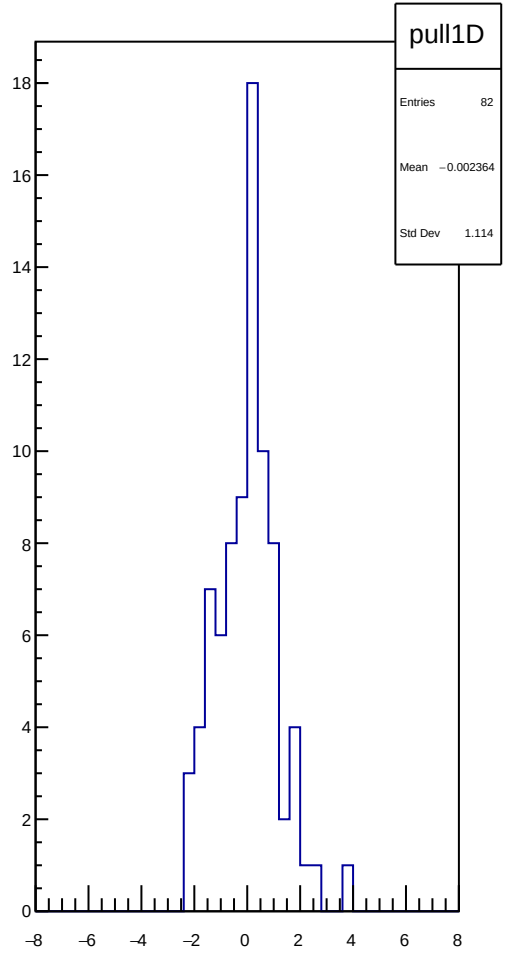

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 213.5 / 81
p0 1497 ± 1.19
1580
1560
1540
1520
1500
1480
1460

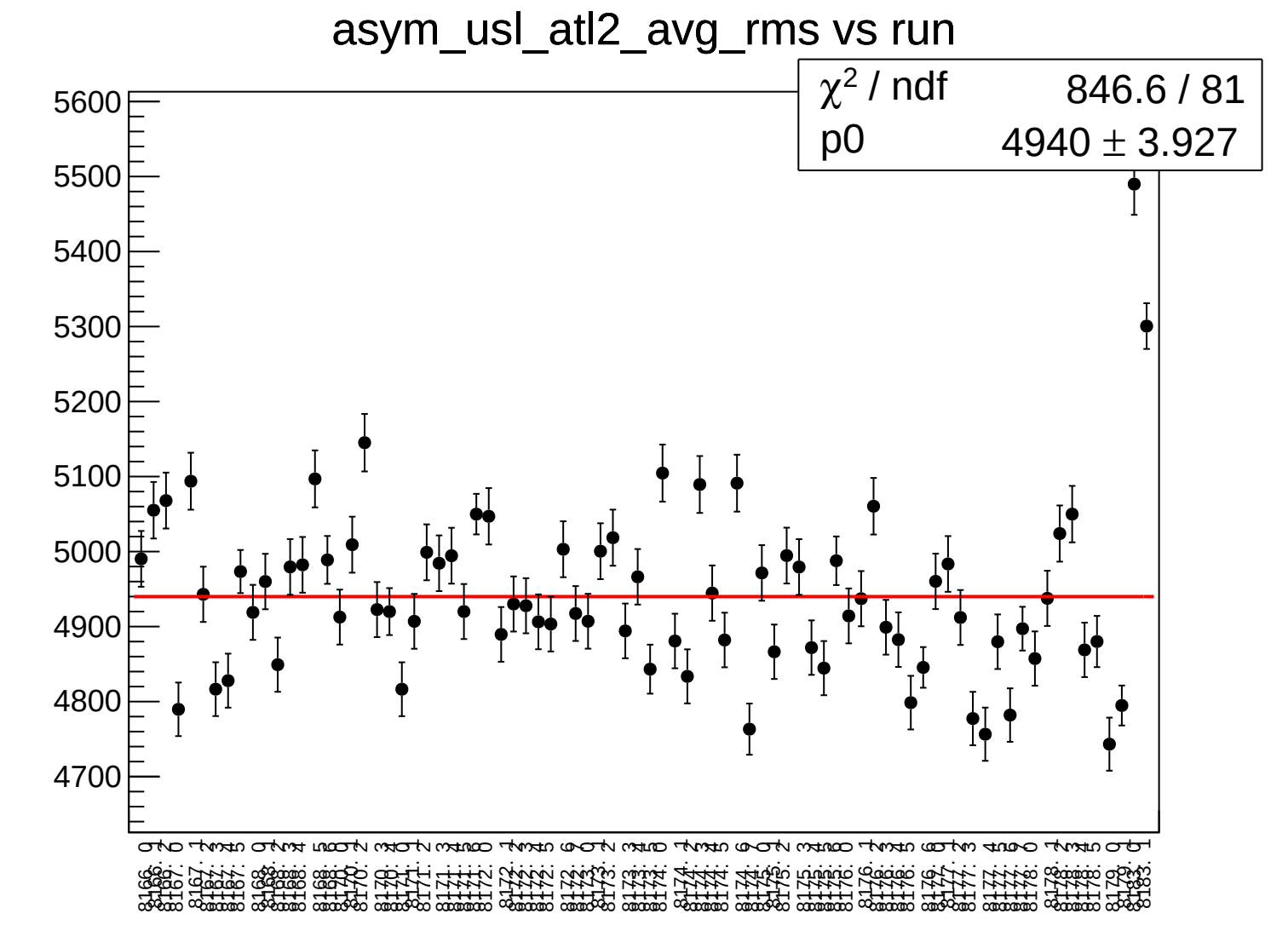

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 98.42 / 81
p0 −1320 ± 5345
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 884.2
Std Dev 0
2
1
0
−1
−2
−3

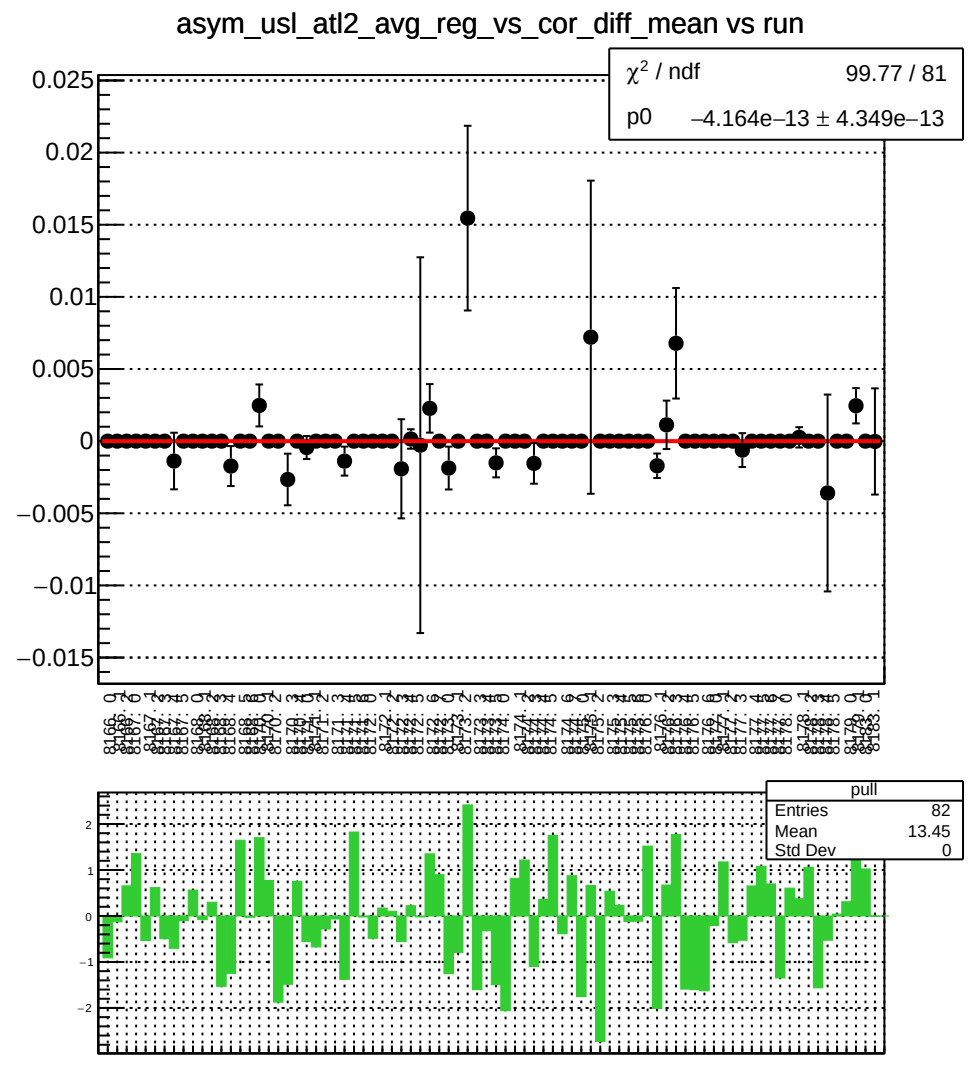

pull1D
Entries 82
Mean −0.001265
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

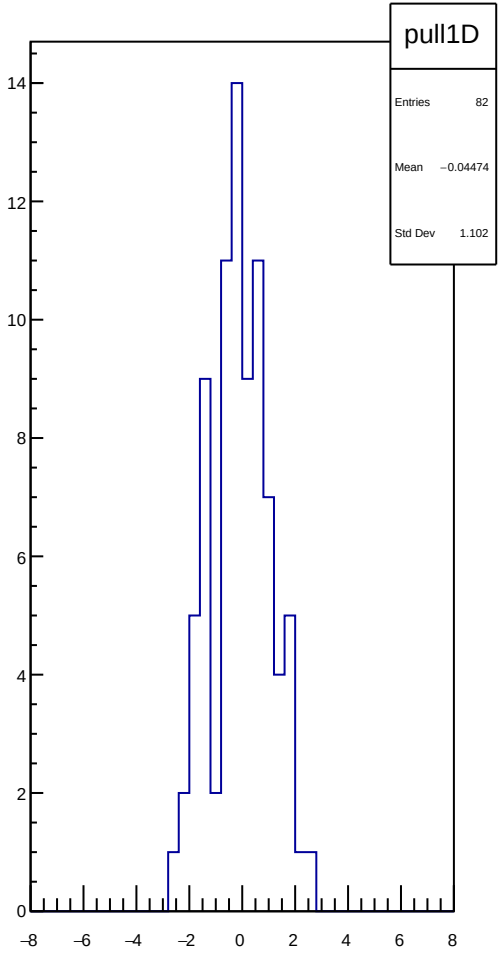

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ^2 / ndf 1295 / 81
p0 4753 ± 3.779
5400
5200
5000
4800
4600
4400

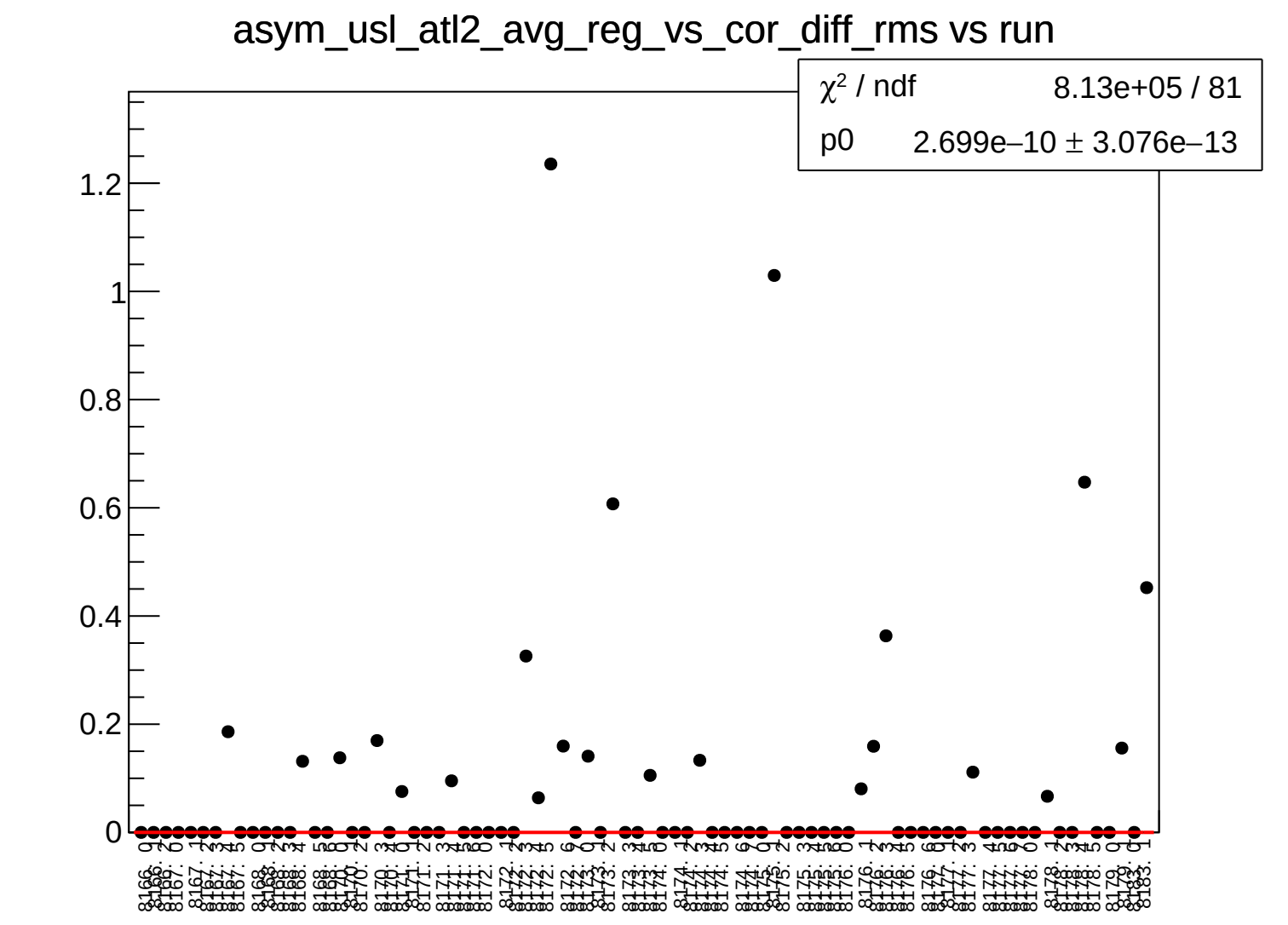

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 101.8 / 81
p0 6306 ± 5554
200
100
0
−100
−200
pull
Entries 82
Mean −408.6
Std Dev 0
3
2
1
0
−1
−2

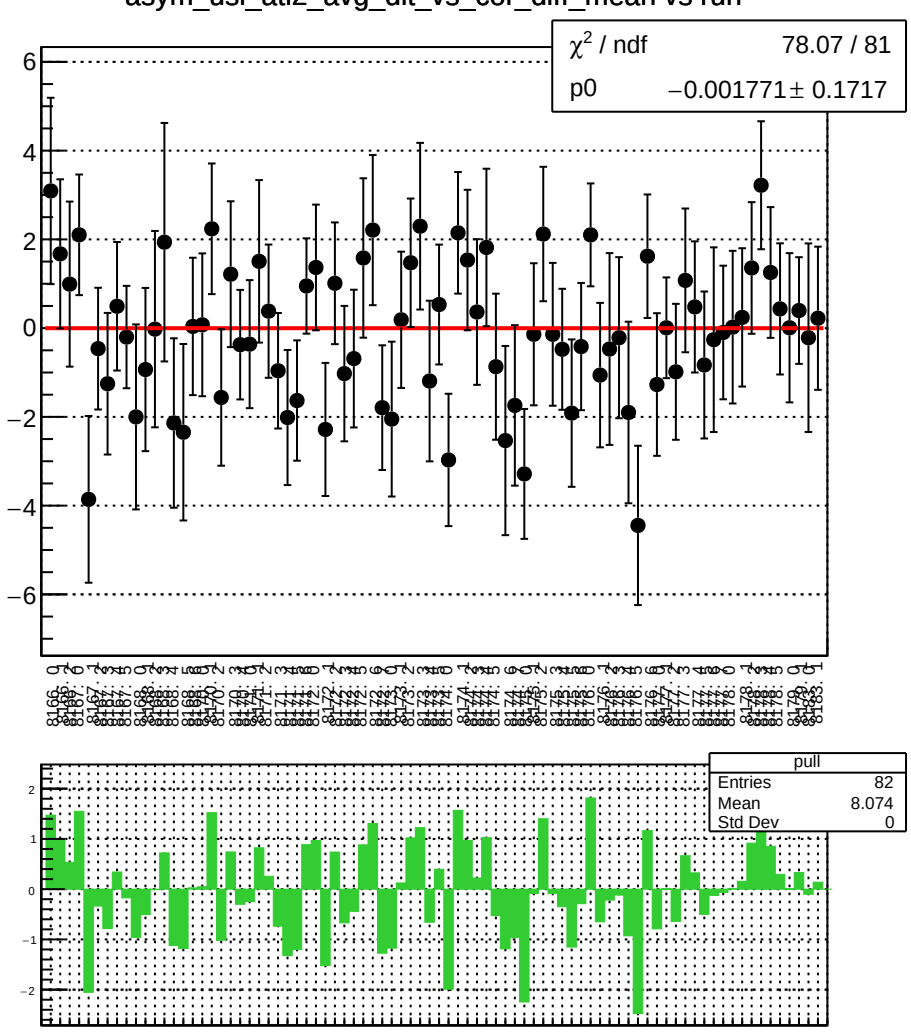

pull1D
Entries 82
Mean −0.002364
Std Dev 1.114
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

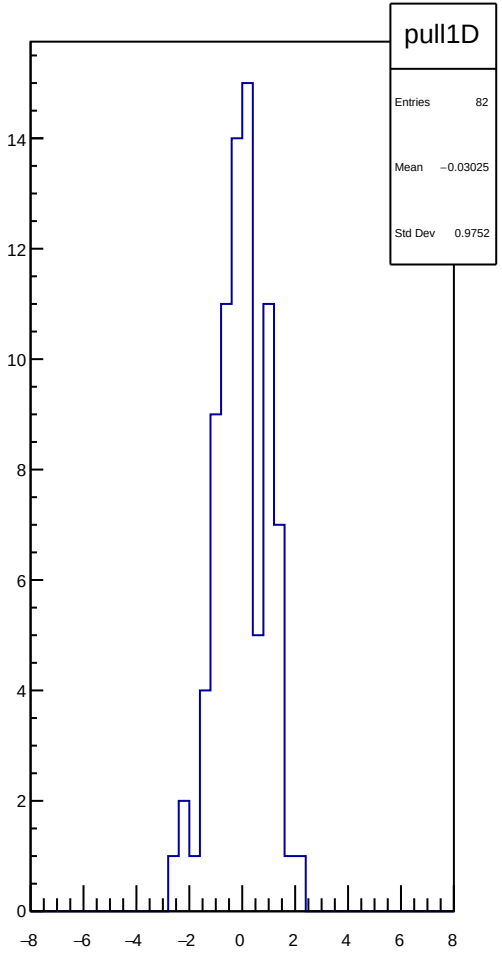

asym_usl_atl2_avg_rms vs run
χ² / ndf 846.6 / 81
p0 4940 ± 3.927
5600
5500
5400
5300
5200
5100
5000
4900
4800
4700

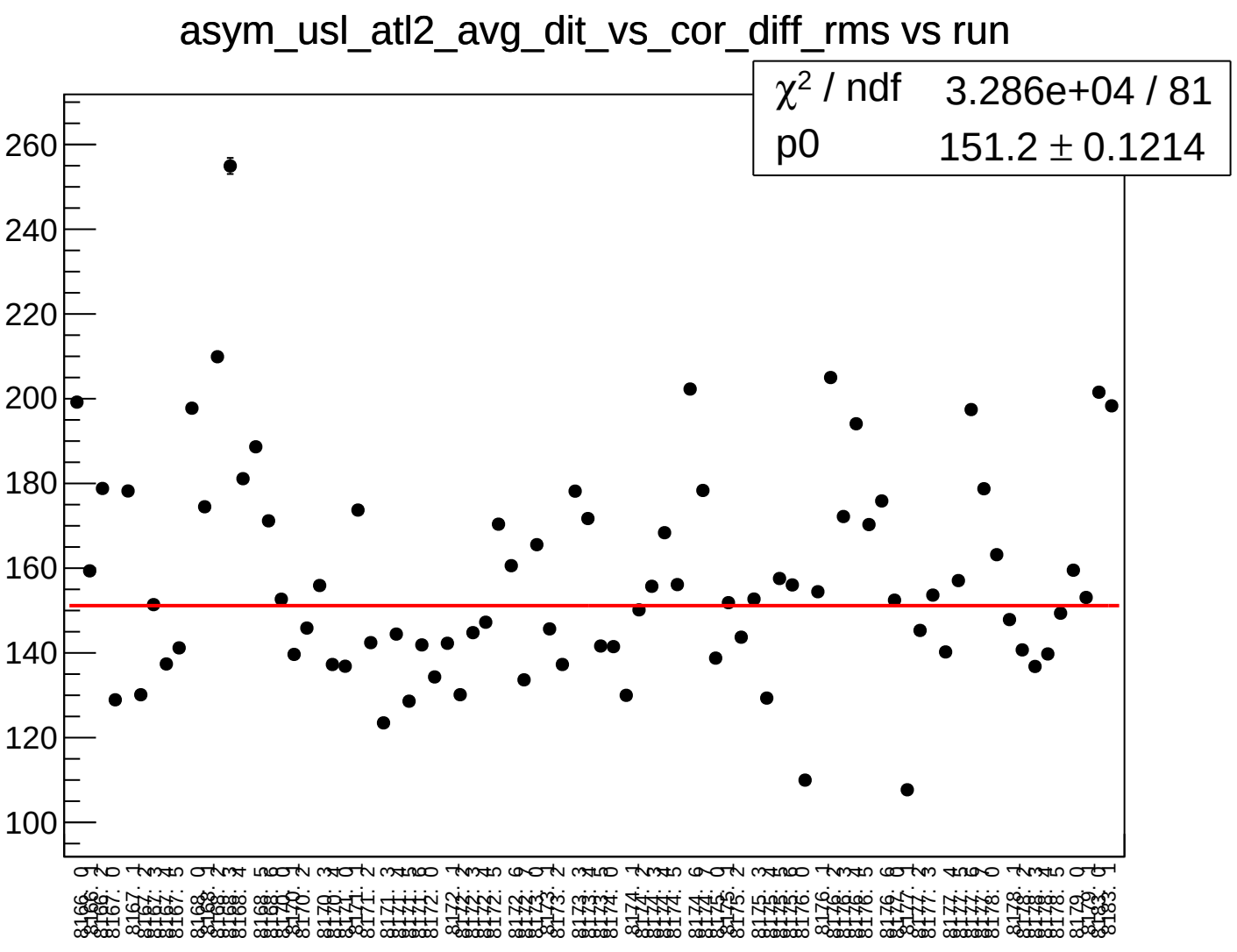

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 99.77 / 81
p0 −4.164e−13 ± 4.349e−13
pull
Entries 82
Mean 13.45
Std Dev 0

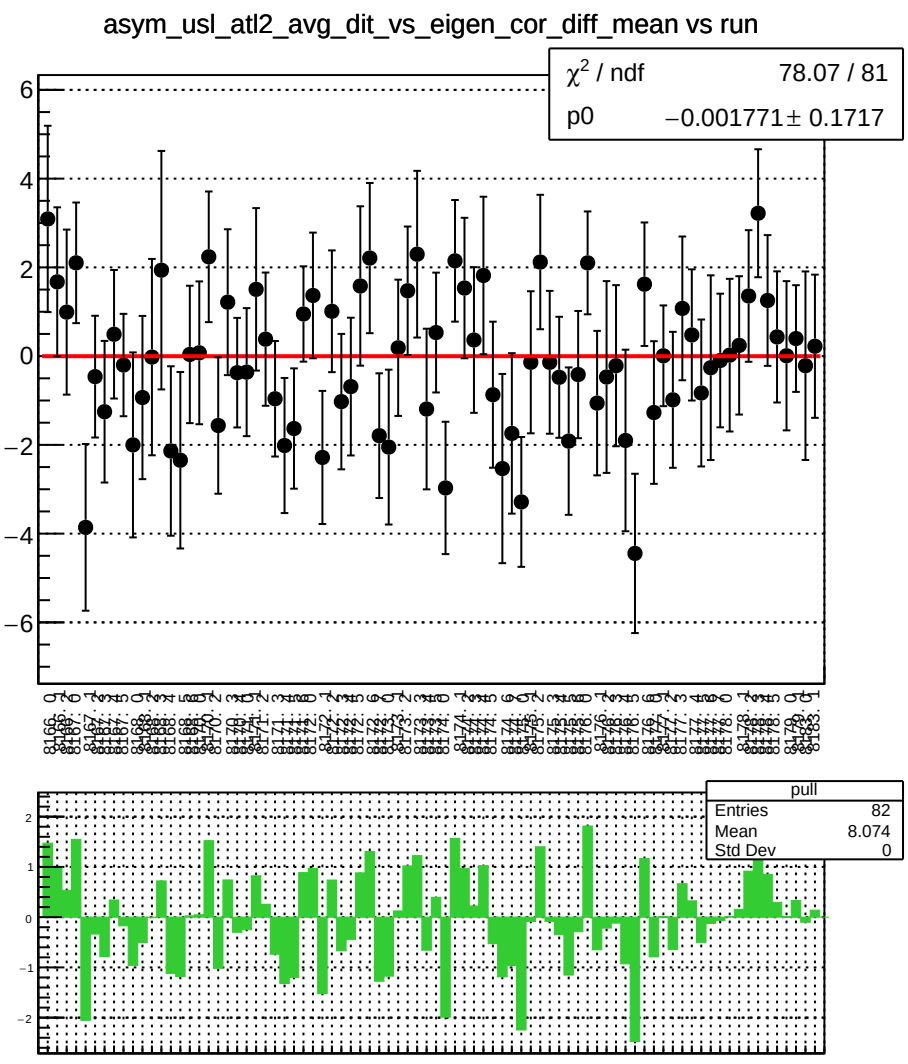

pull1D
Entries 82
Mean −0.04474
Std Dev 1.102

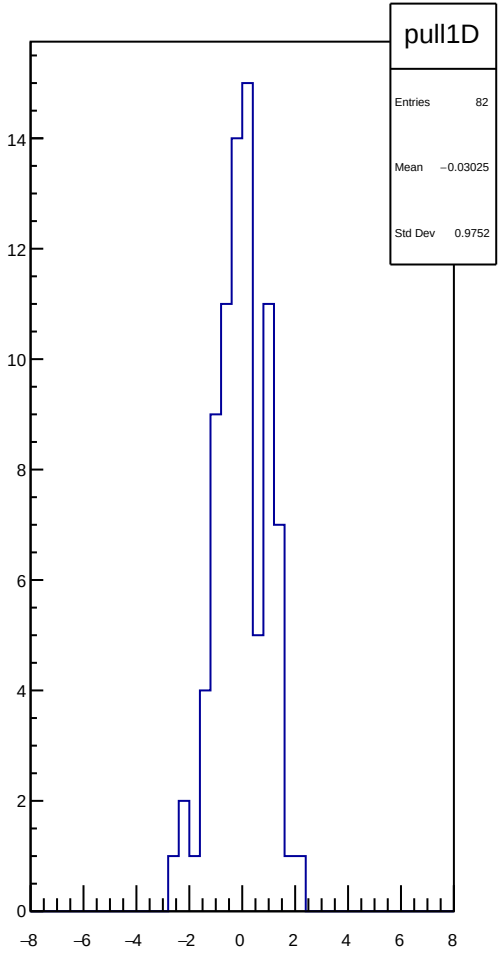

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.13e+05 / 81
p0 2.699e−10 ± 3.076e−13
1.2
1
0.8
0.6
0.4
0.2
0

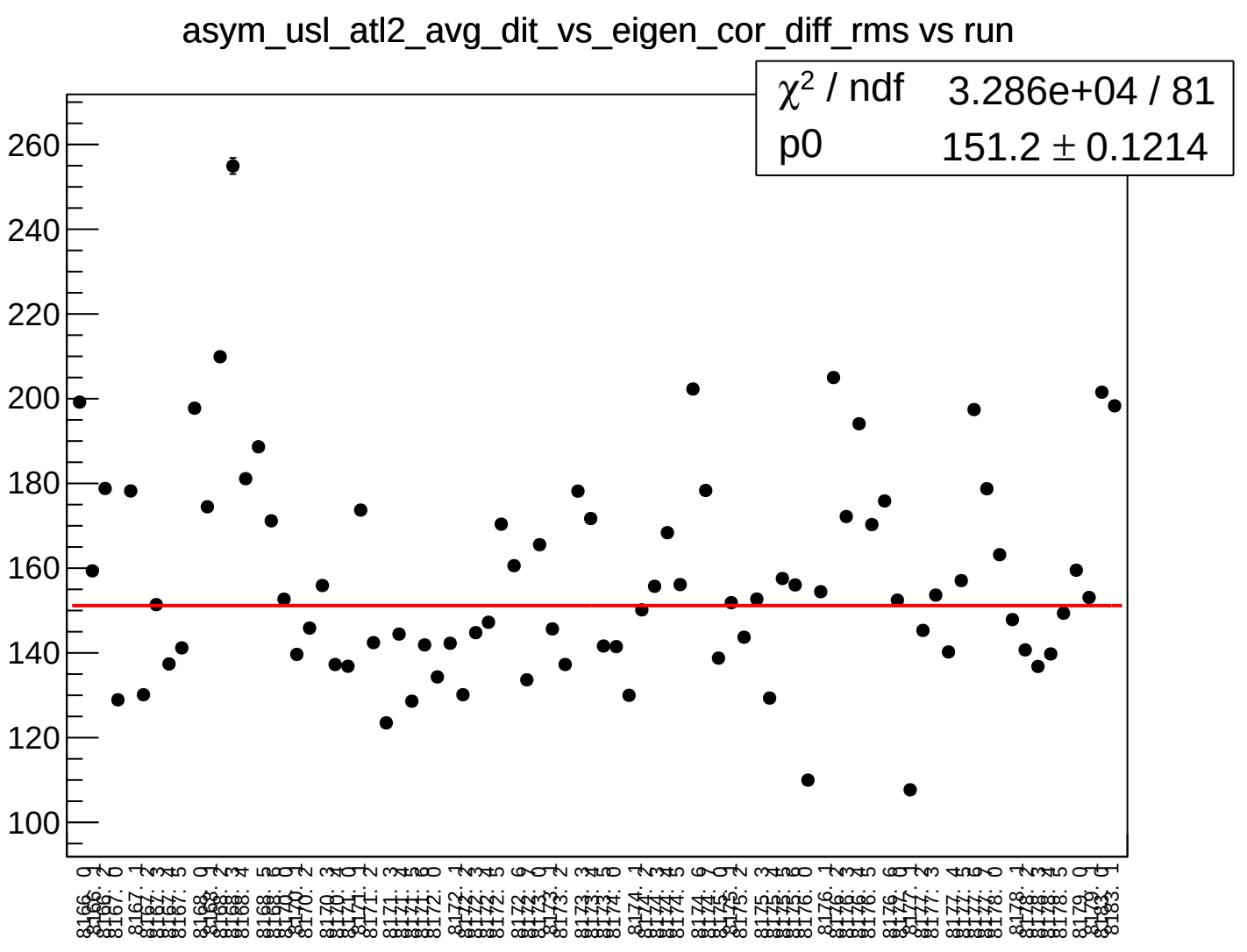

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.07 / 81
p0 −0.001771 ± 0.1717
pull
Entries 82
Mean 8.074
Std Dev 0

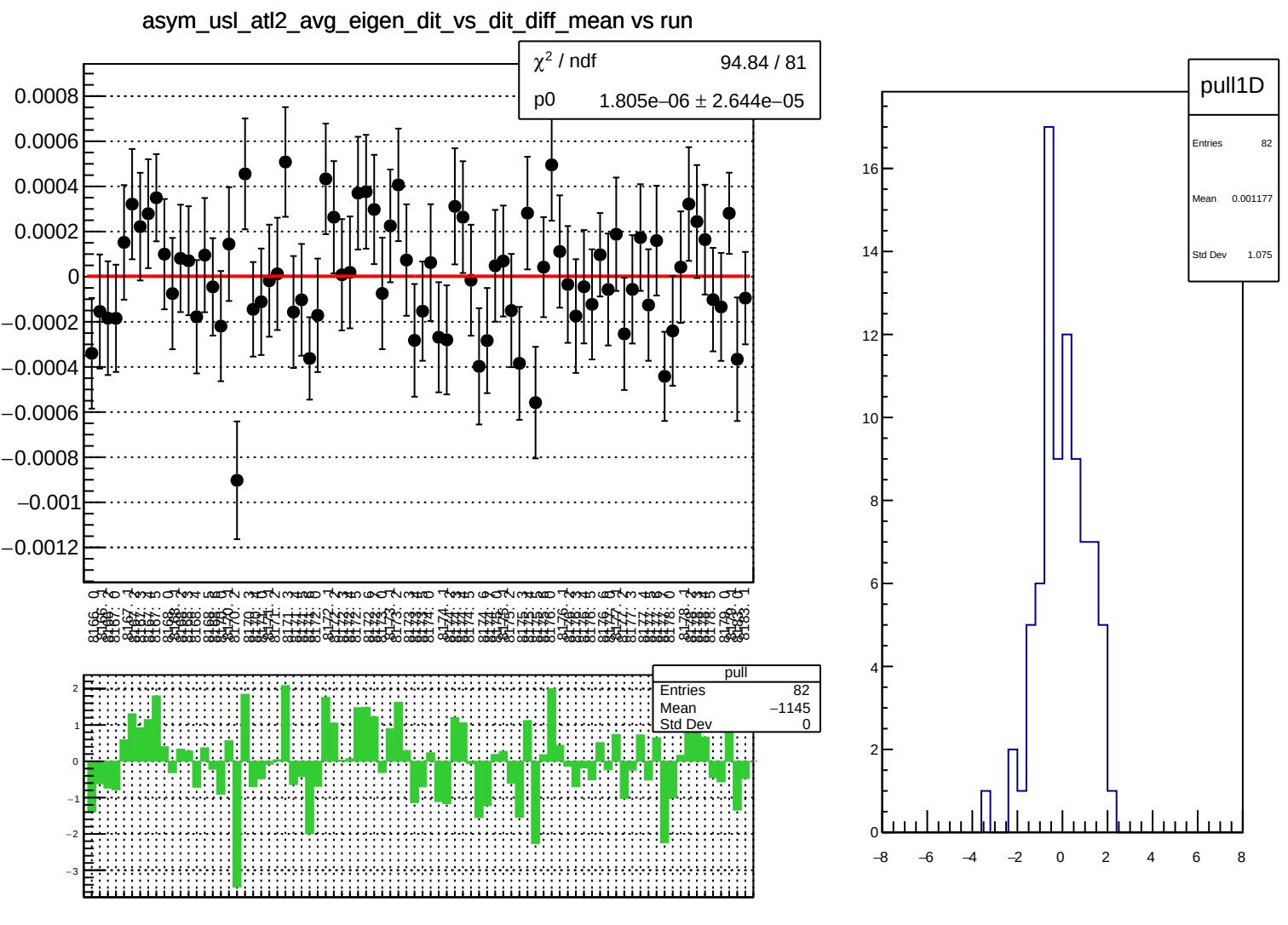

pull1D
Entries 82
Mean −0.03025
Std Dev 0.9752

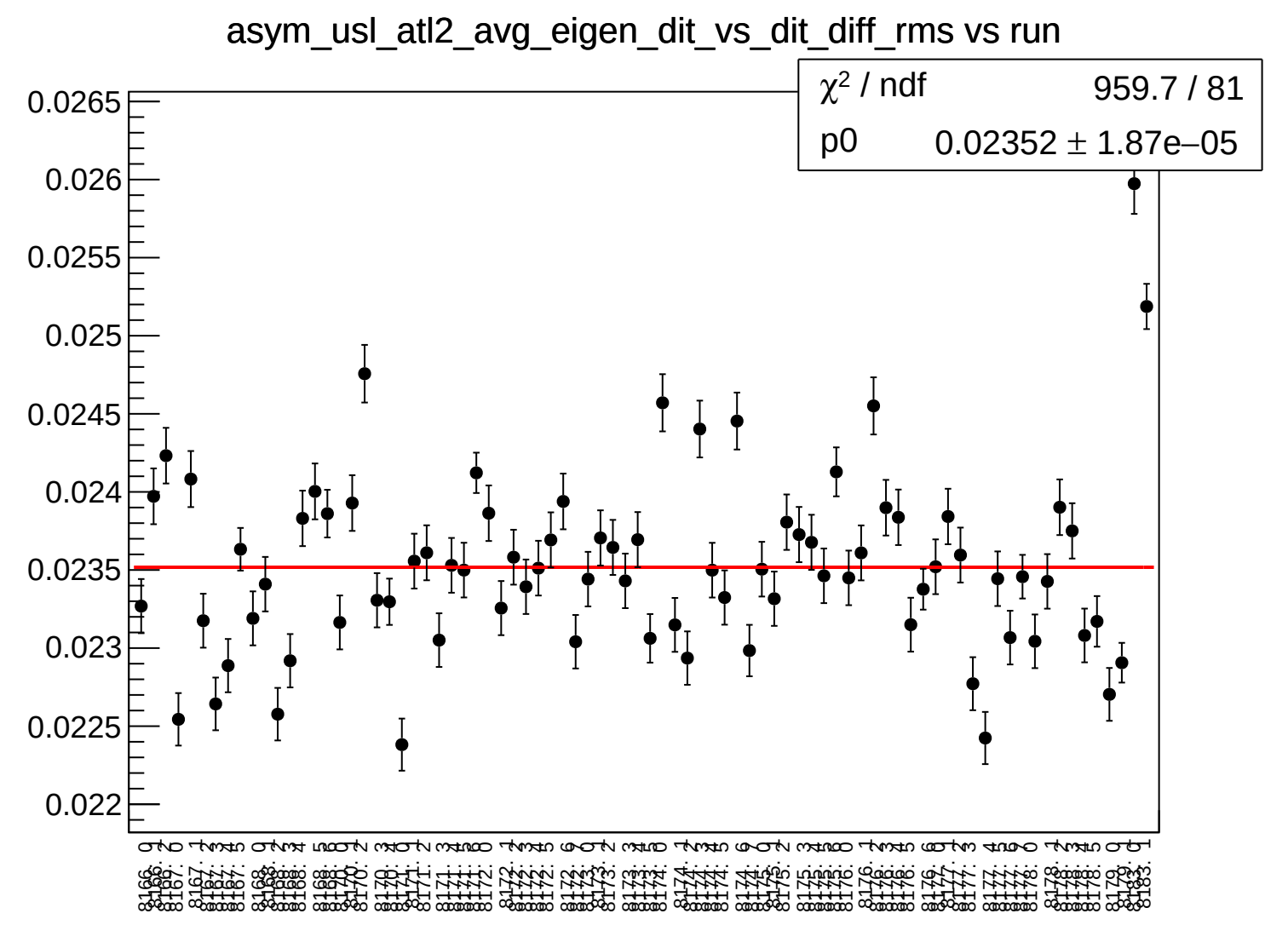

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.286e+04 / 81
p0 151.2 ± 0.1214
260
240
220
200
180
160
140
120
100

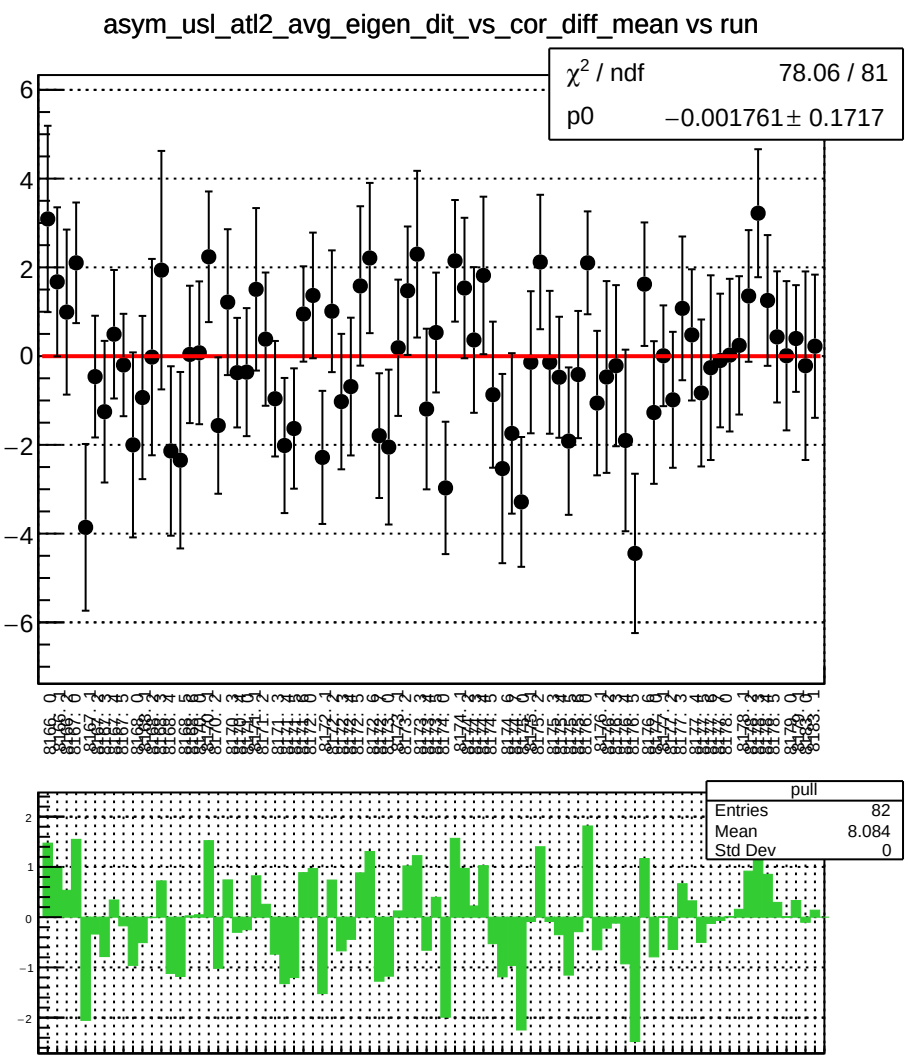

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.07 / 81
p0 −0.001771 ± 0.1717
pull
Entries 82
Mean 8.074
Std Dev 0

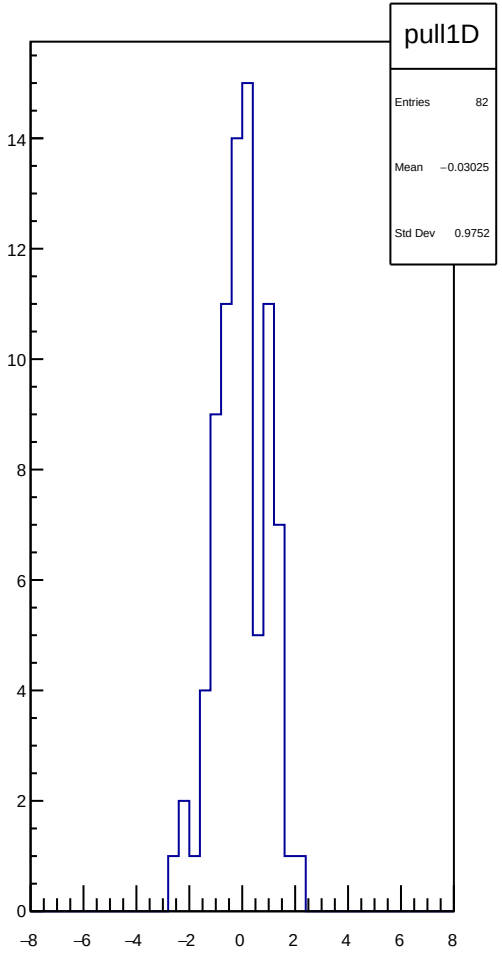

pull1D
Entries 82
Mean −0.03025
Std Dev 0.9752

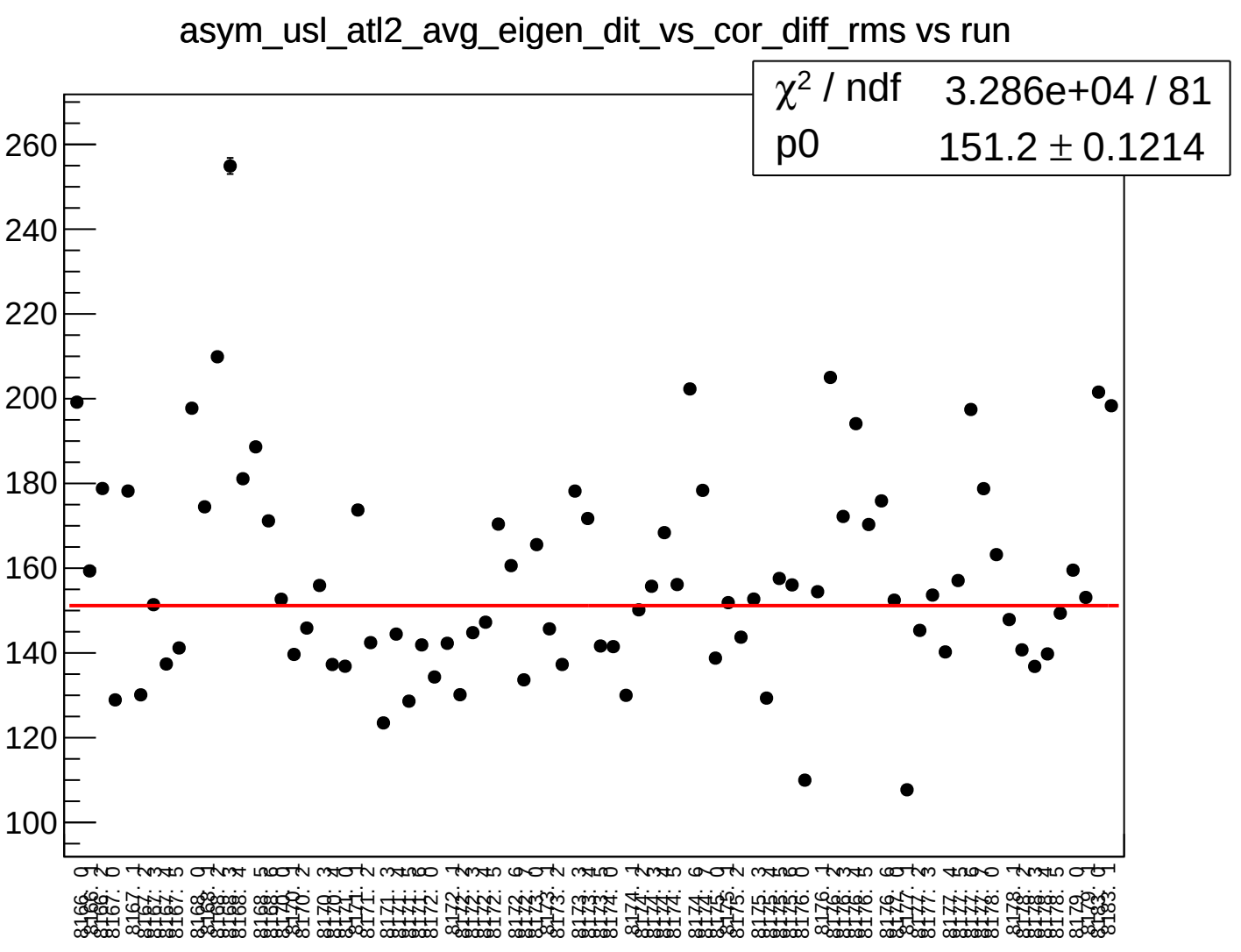

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.286e+04 / 81
p0 151.2 ± 0.1214
260
240
220
200
180
160
140
120
100

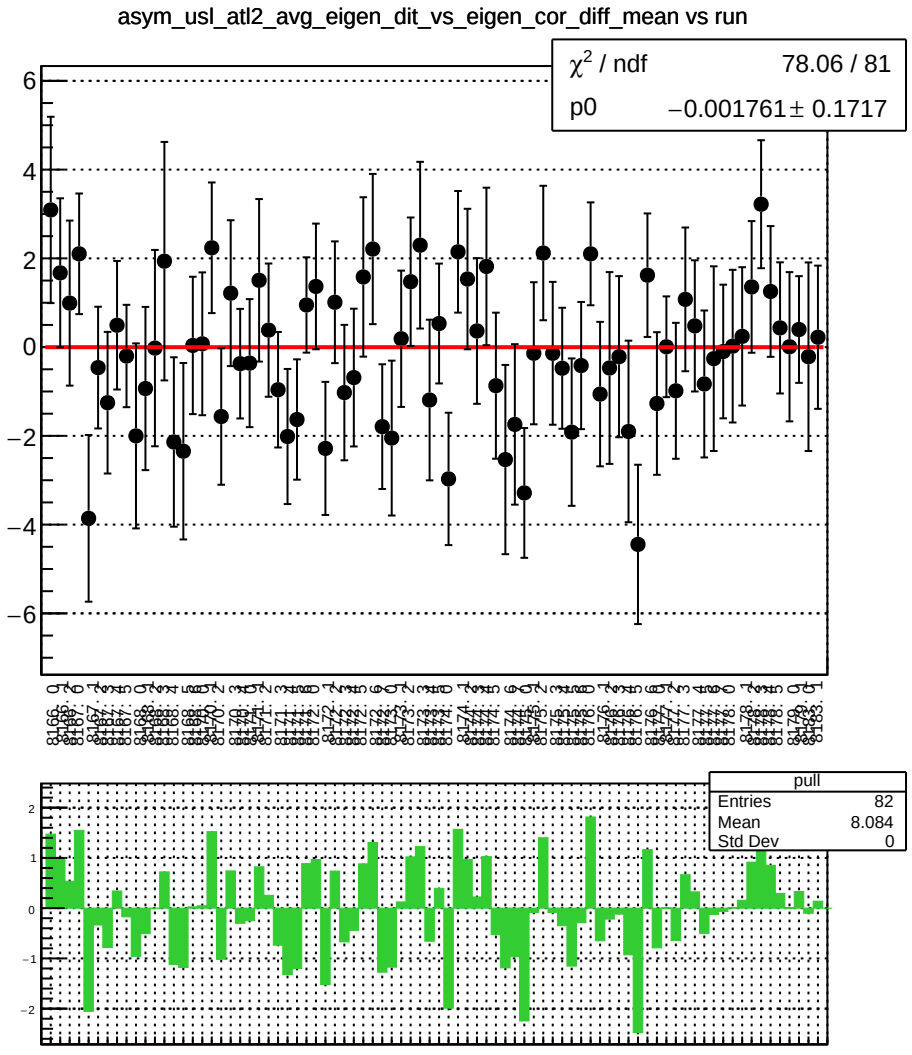

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 94.84 / 81
p0 1.805e−06 ± 2.644e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 82
Mean −1145
Std Dev 0
pull1D
Entries 82
Mean 0.001177
Std Dev 1.075

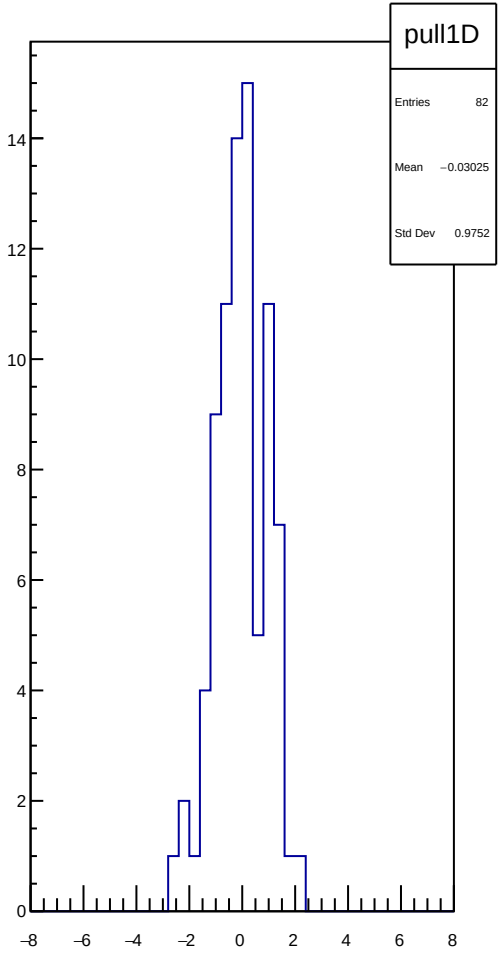

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 959.7 / 81
p0 0.02352 ± 1.87e−05
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225
0.022

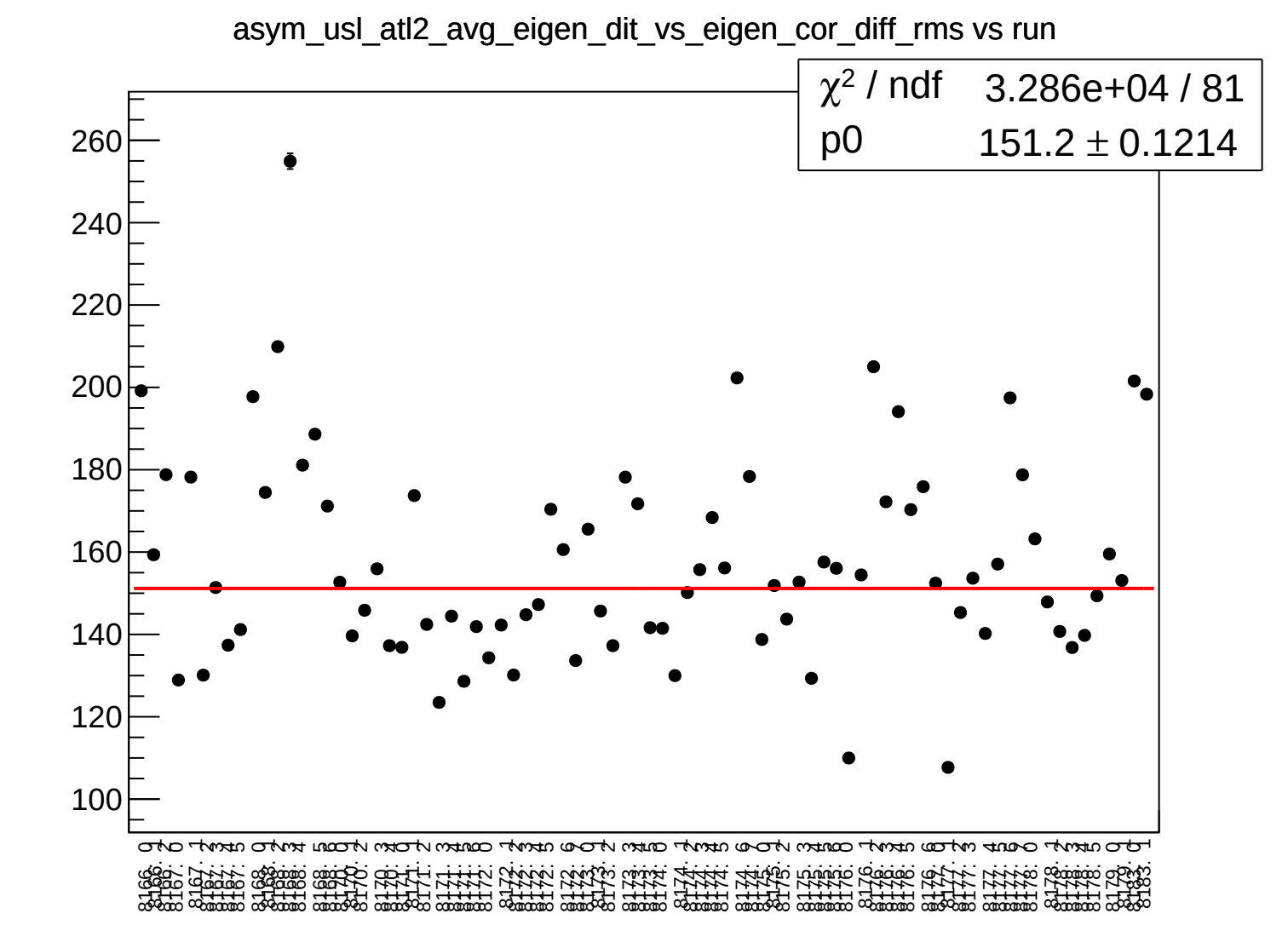

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.06 / 81
p0 −0.001761 ± 0.1717
pull
Entries 82
Mean 8.084
Std Dev 0

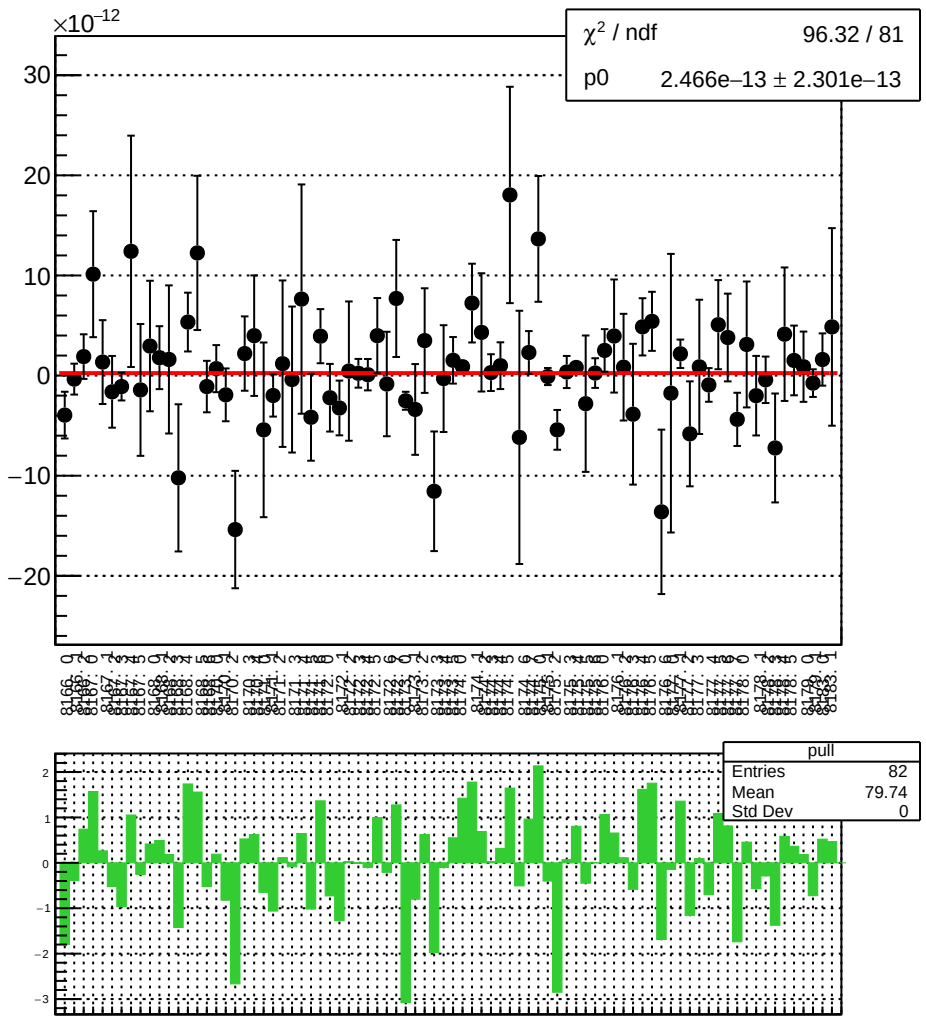

pull1D
Entries 82
Mean −0.03025
Std Dev 0.9752

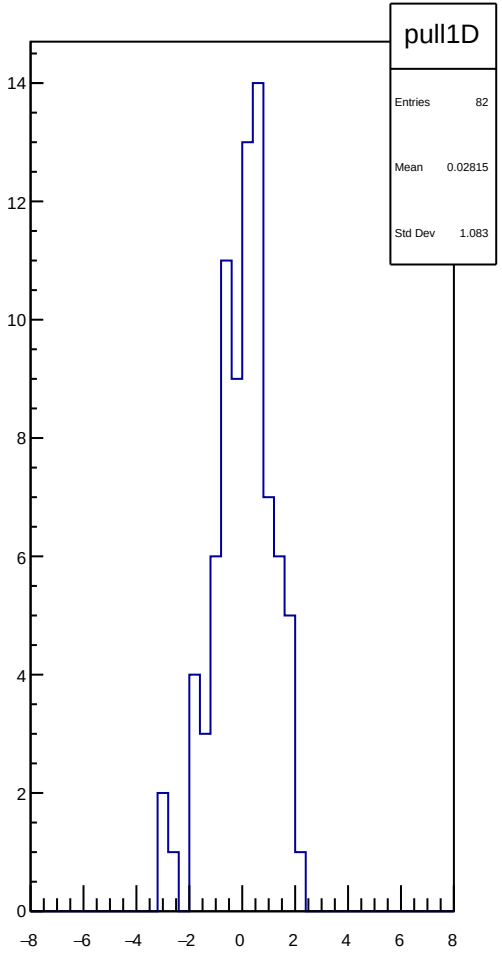

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.286e+04 / 81
p0 151.2 ± 0.1214
260
240
220
200
180
160
140
120
100

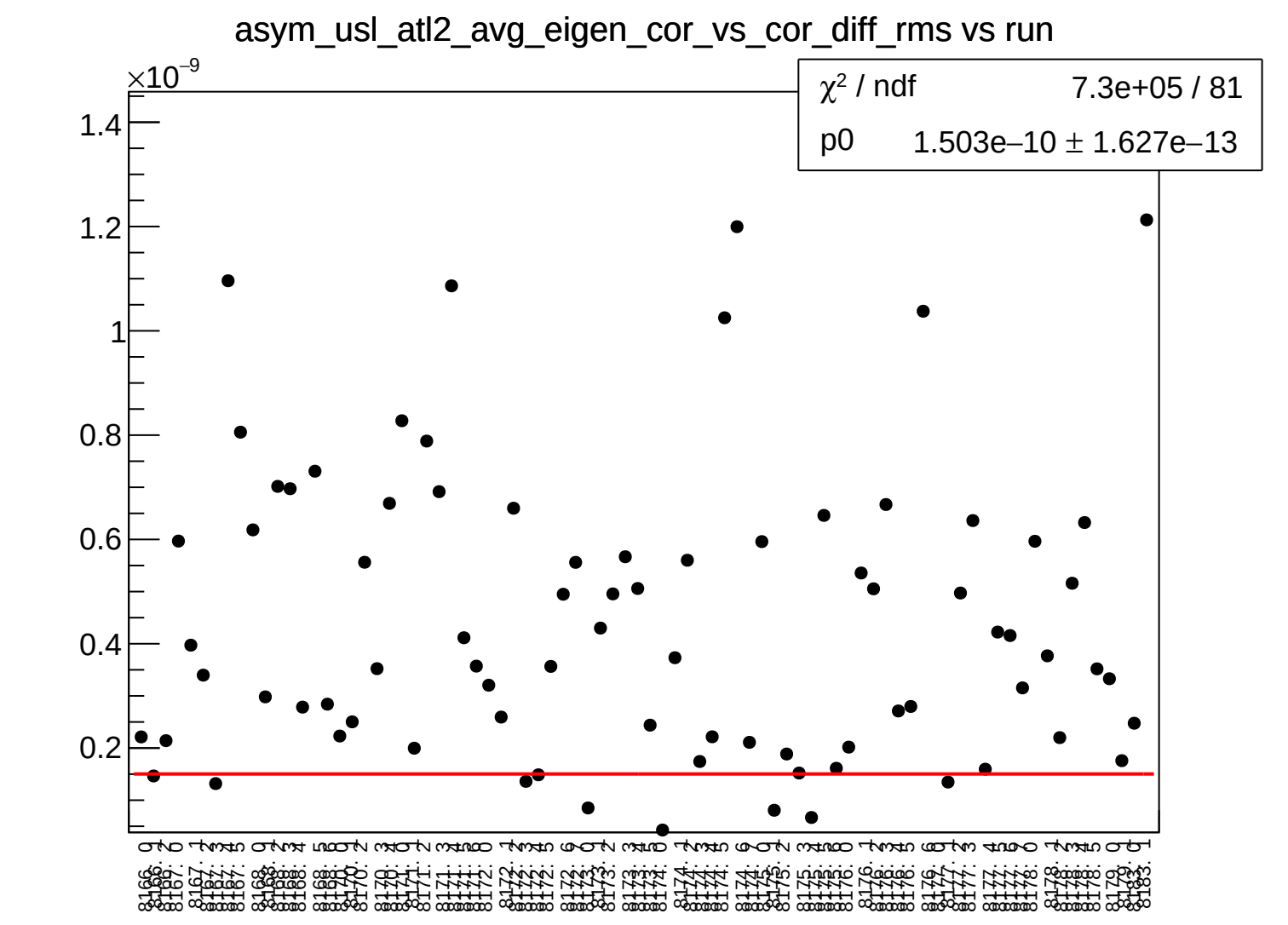

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.06 / 81
p0 −0.001761 ± 0.1717
pull
Entries 82
Mean 8.084
Std Dev 0

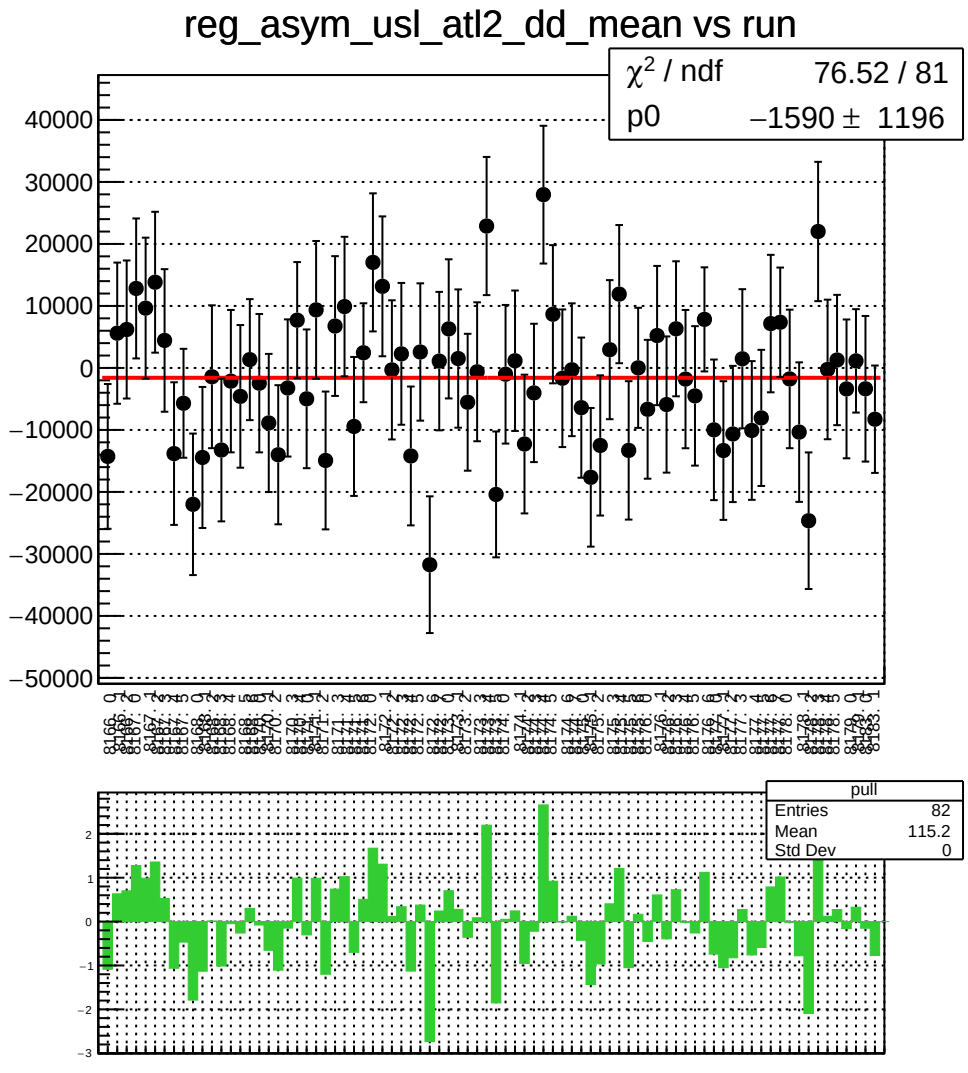

pull1D
Entries 82
Mean −0.03025
Std Dev 0.9752

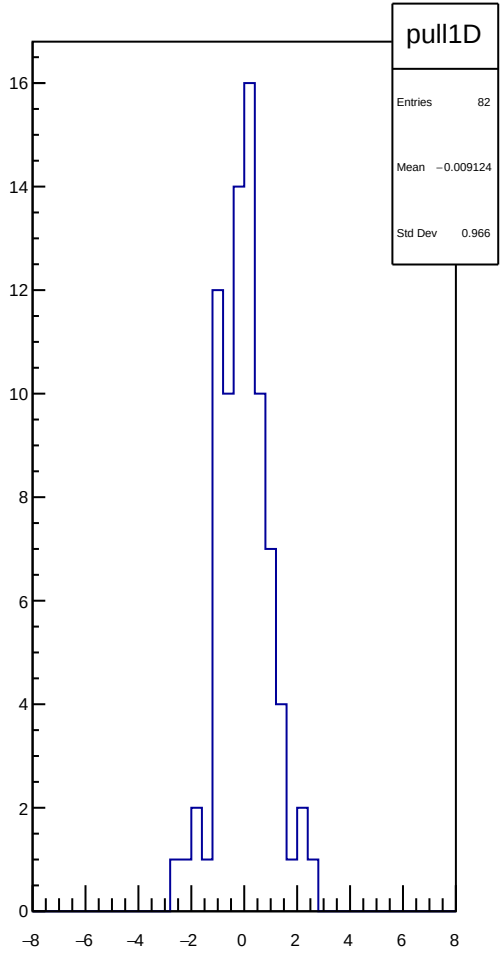

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.286e+04 / 81
p0 151.2 ± 0.1214
260
240
220
200
180
160
140
120
100

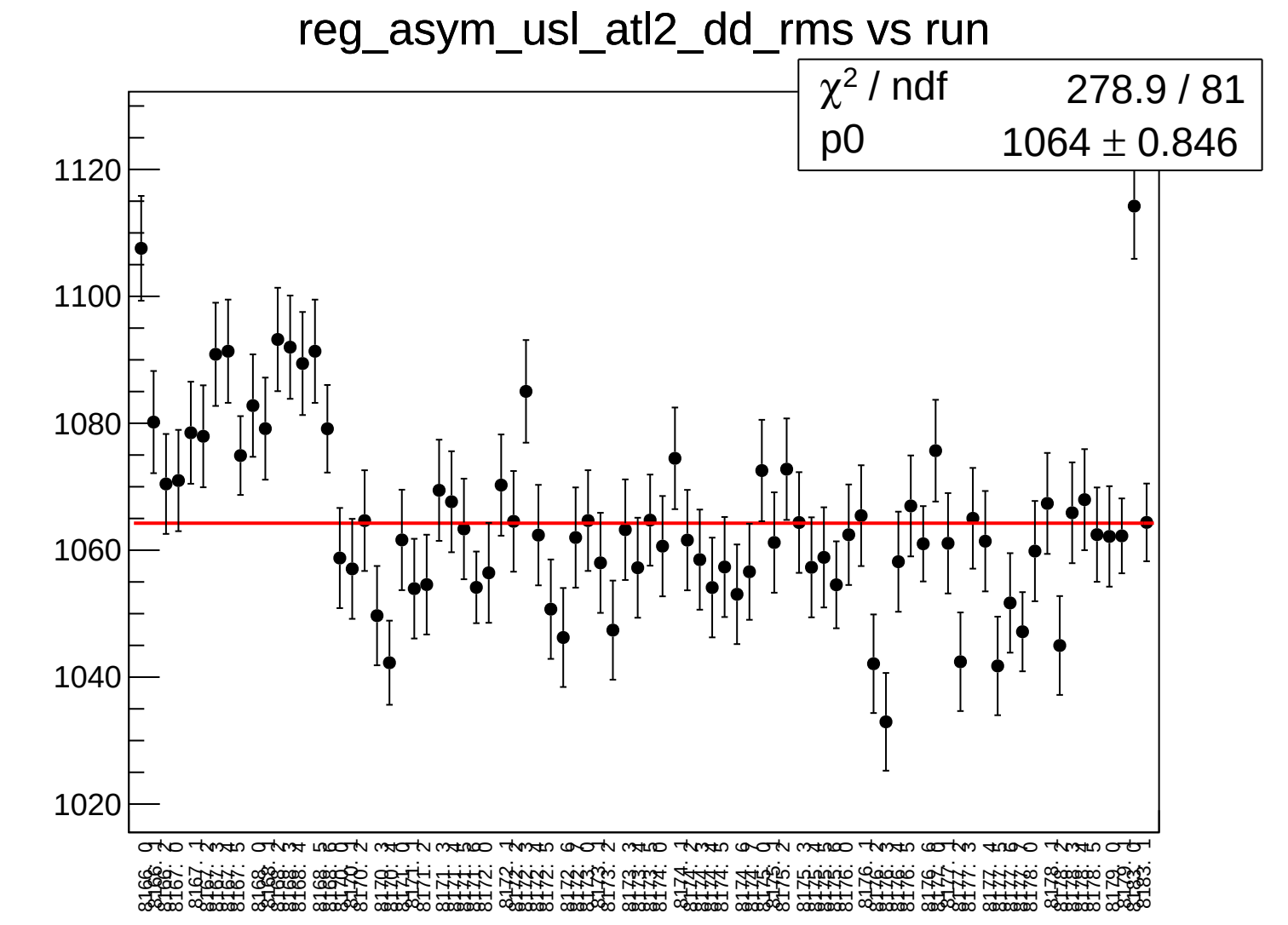

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 96.32 / 81
p0 2.466e−13 ± 2.301e−13
pull
Entries 82
Mean 79.74
Std Dev 0

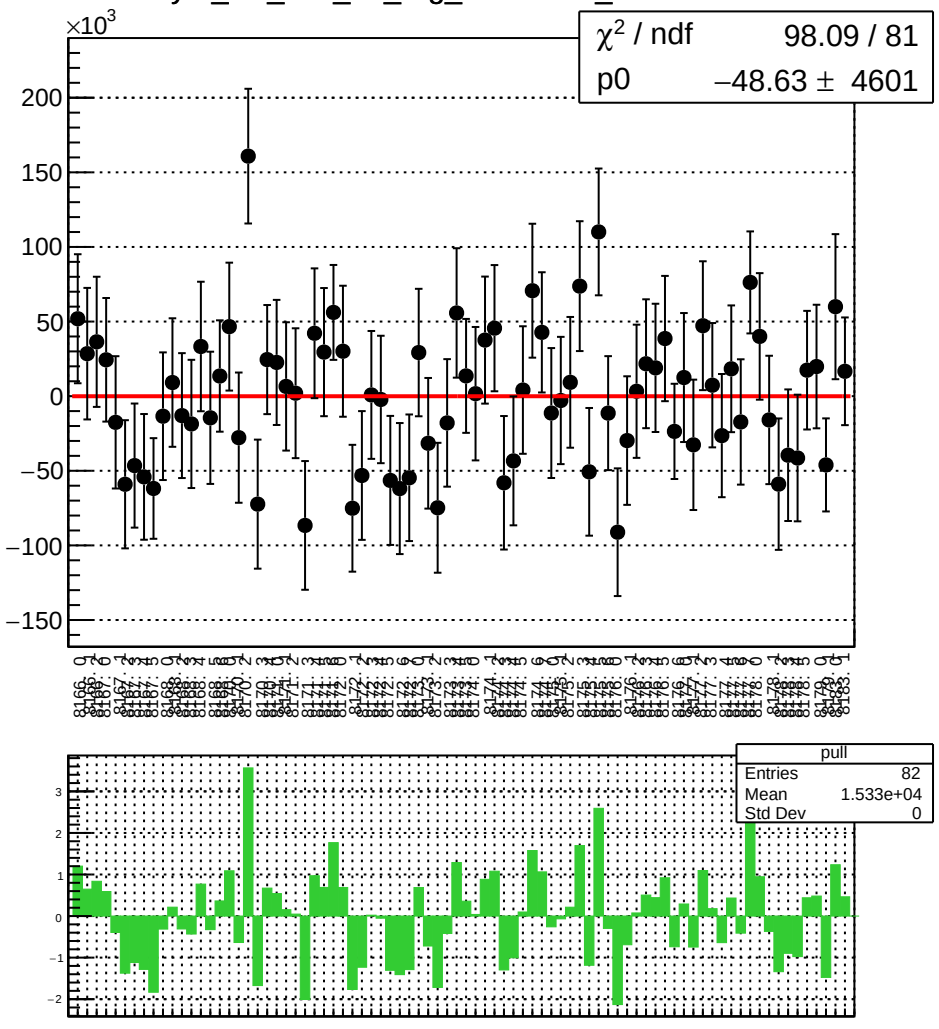

pull1D
Entries 82
Mean 0.02815
Std Dev 1.083

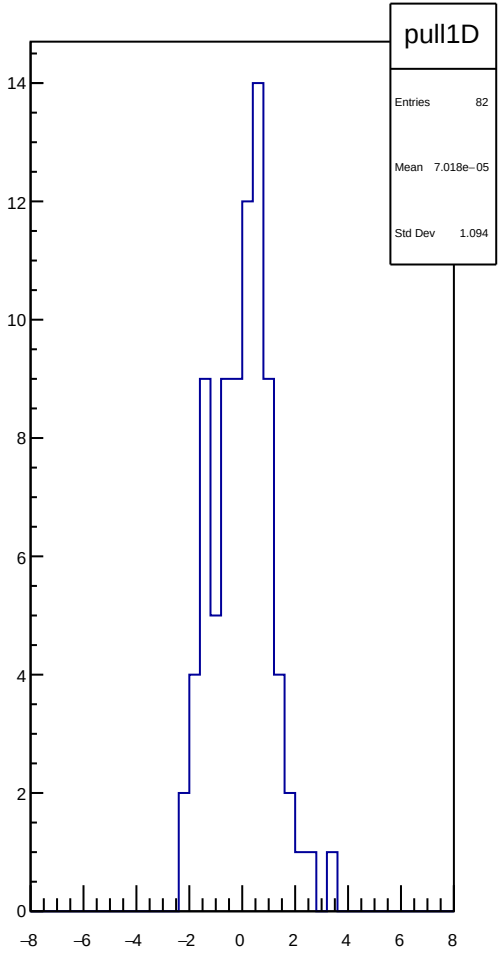

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.3e+05 / 81
p0 1.503e−10 ± 1.627e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

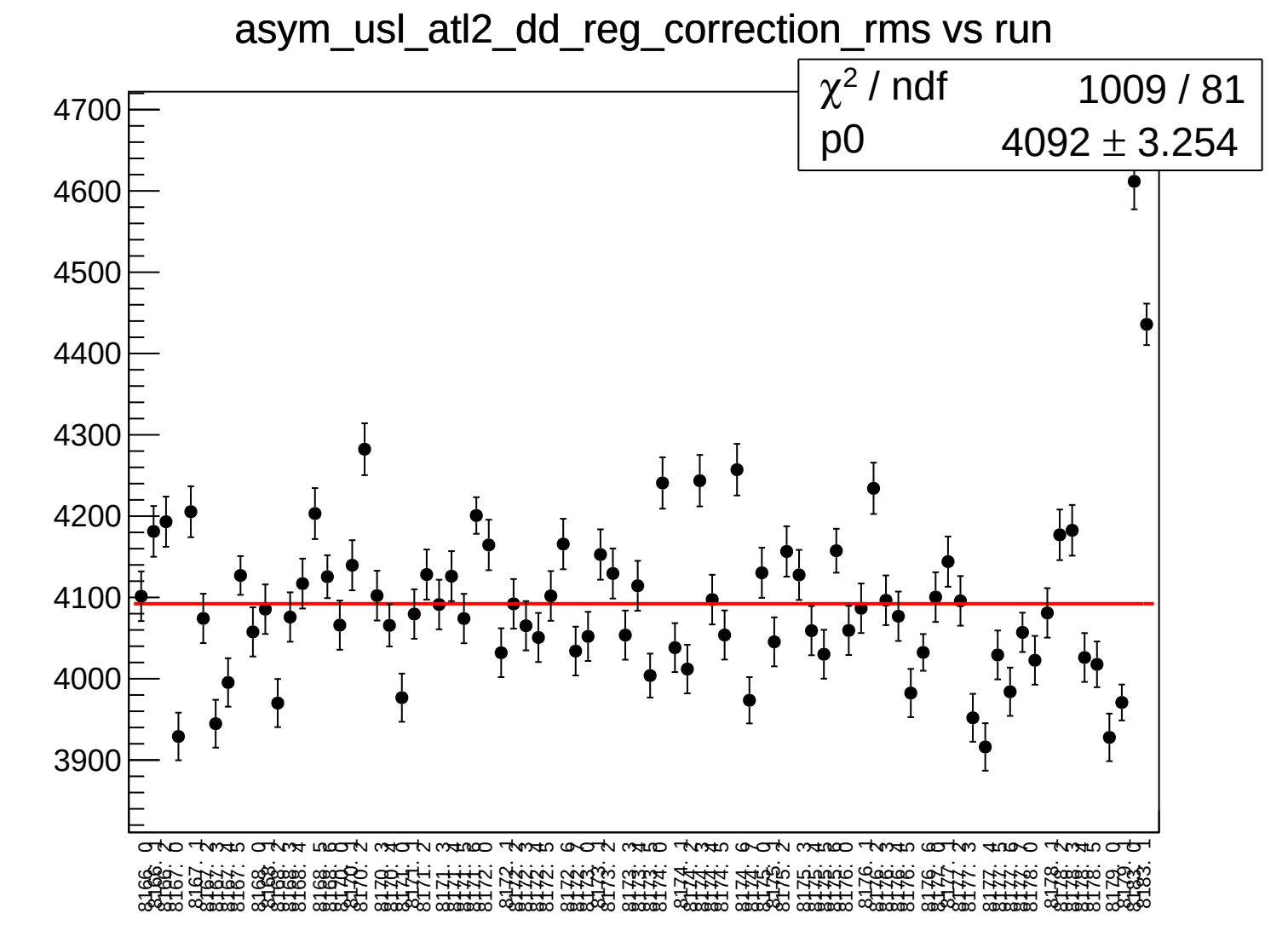

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 76.52 / 81
p0 −1590 ± 1196
pull
Entries 82
Mean 115.2
Std Dev 0

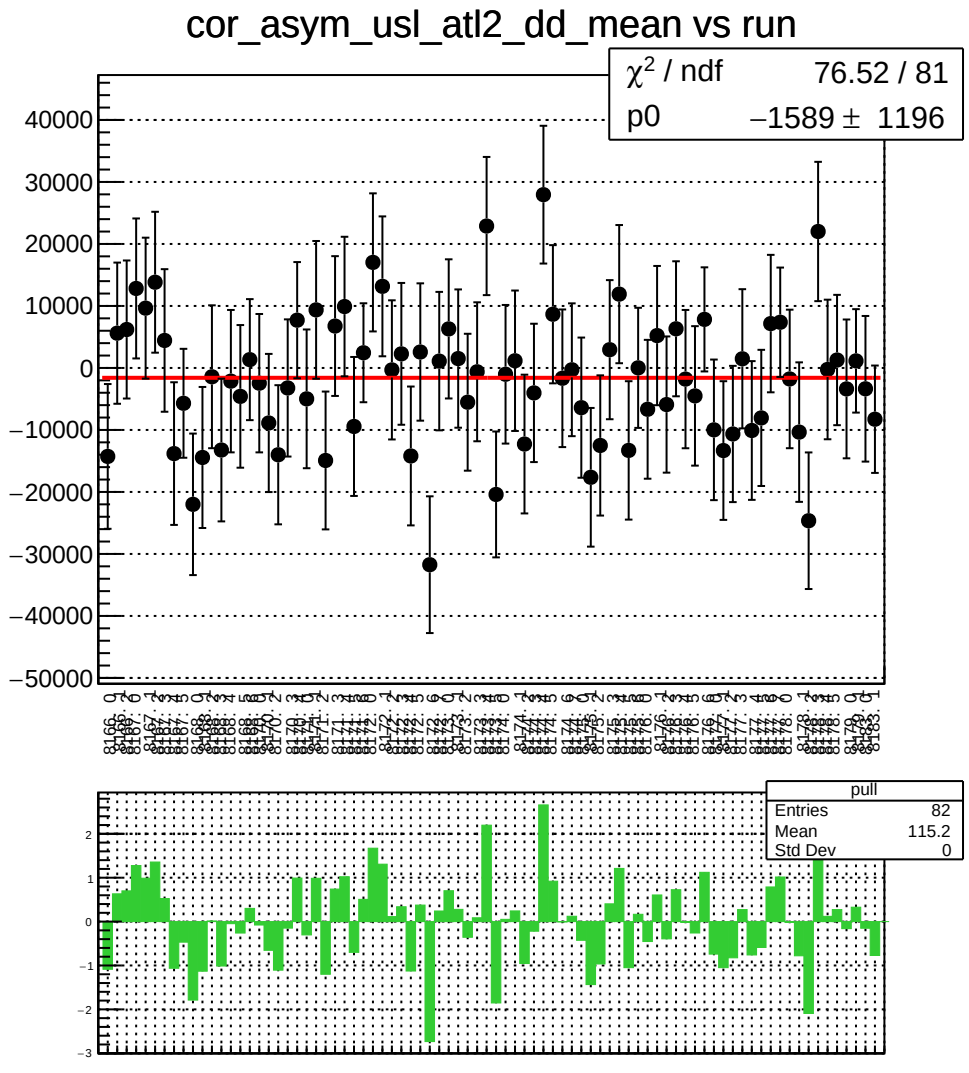

pull1D
Entries 82
Mean −0.009124
Std Dev 0.966

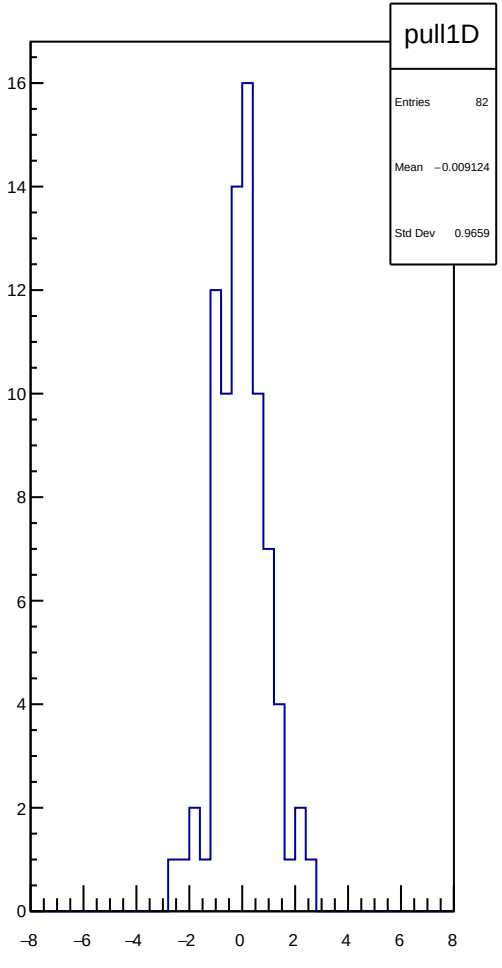

reg_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 278.9 / 81
p0 1064 ± 0.846
1120
1100
1080
1060
1040
1020

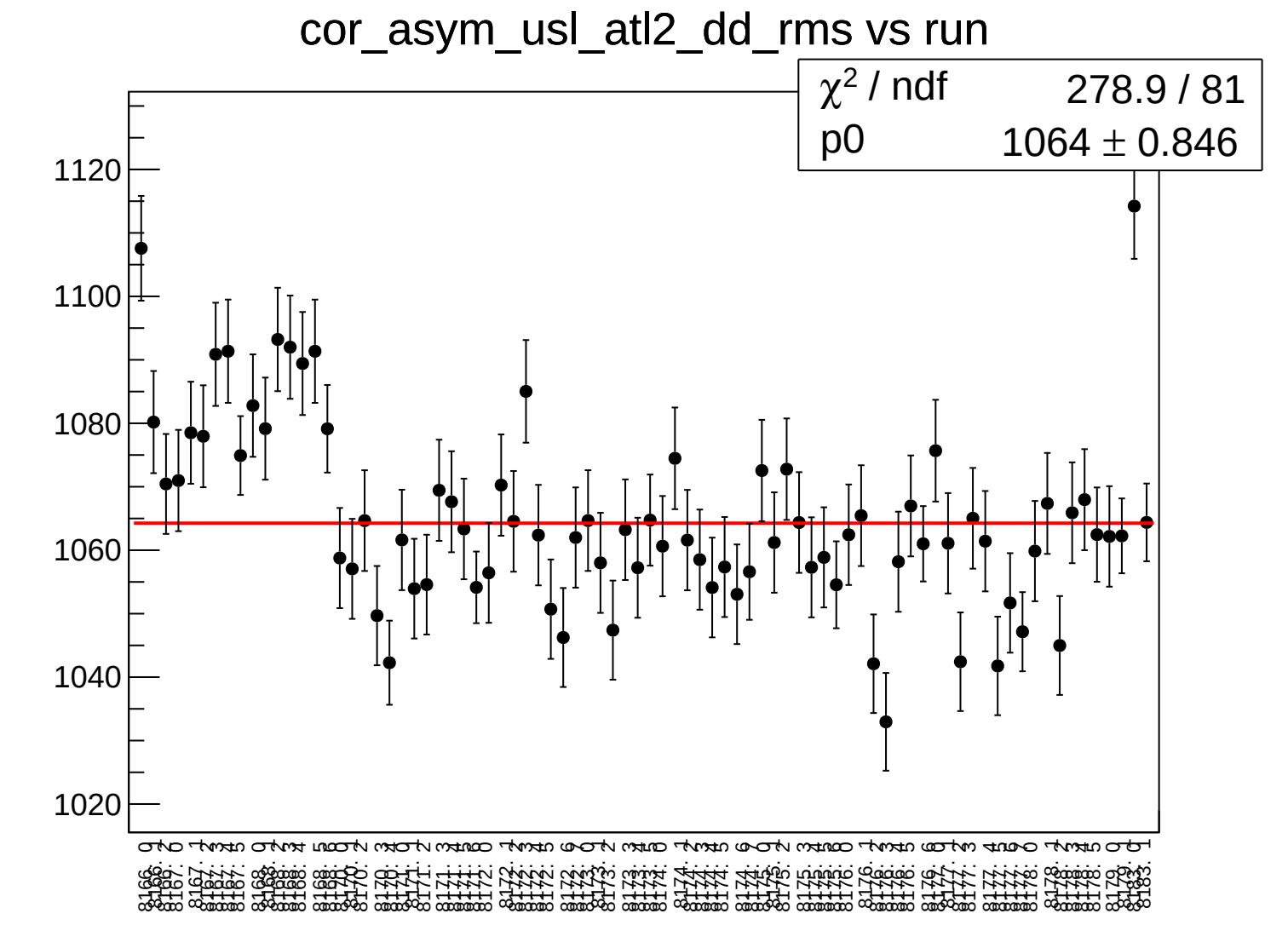

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 98.09 / 81
p0 −48.63 ± 4601
pull
Entries 82
Mean 1.533e+04
Std Dev 0

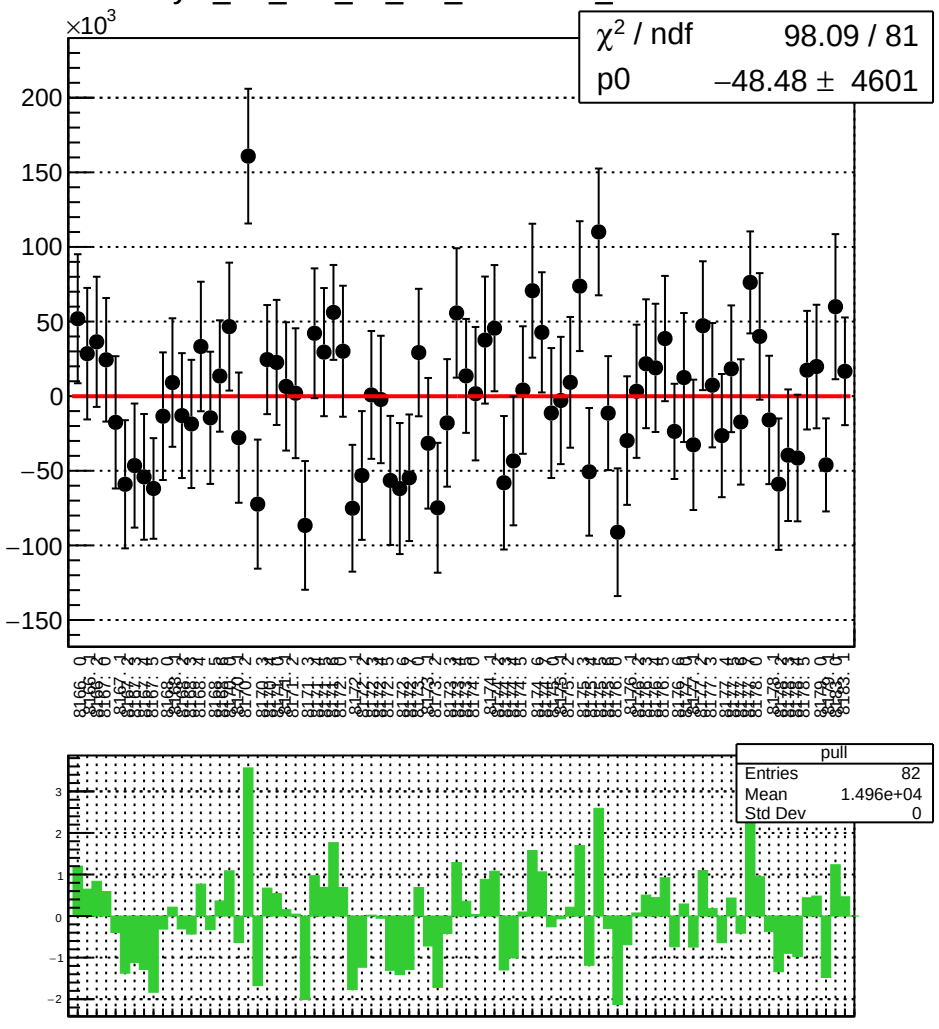

pull1D
Entries 82
Mean 7.018e−05
Std Dev 1.094

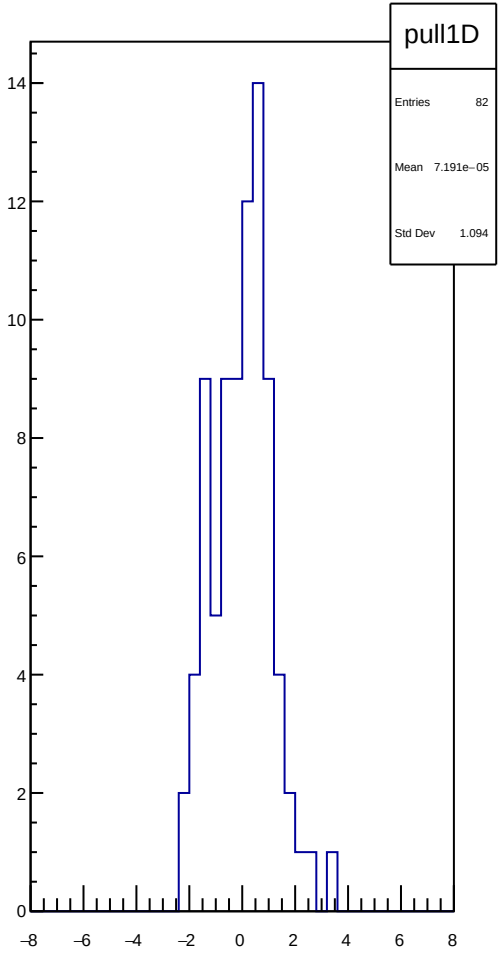

asym_usl_atl2_dd_reg_correction_rms vs run
χ^2 / ndf 1009 / 81
p0 4092 ± 3.254
4700
4600
4500
4400
4300
4200
4100
4000
3900

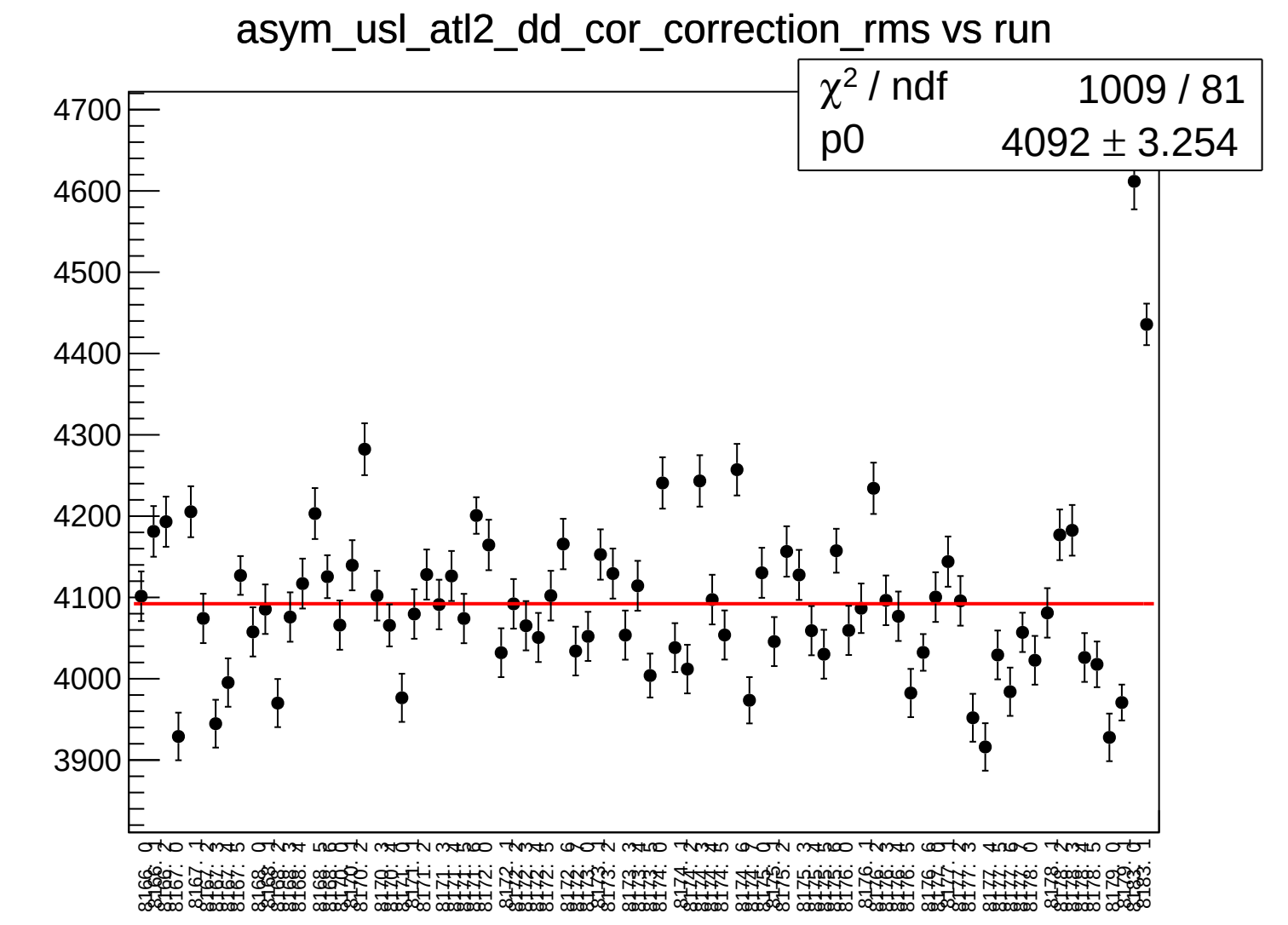

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 76.52 / 81
p0 −1589 ± 1196
pull
Entries 82
Mean 115.2
Std Dev 0

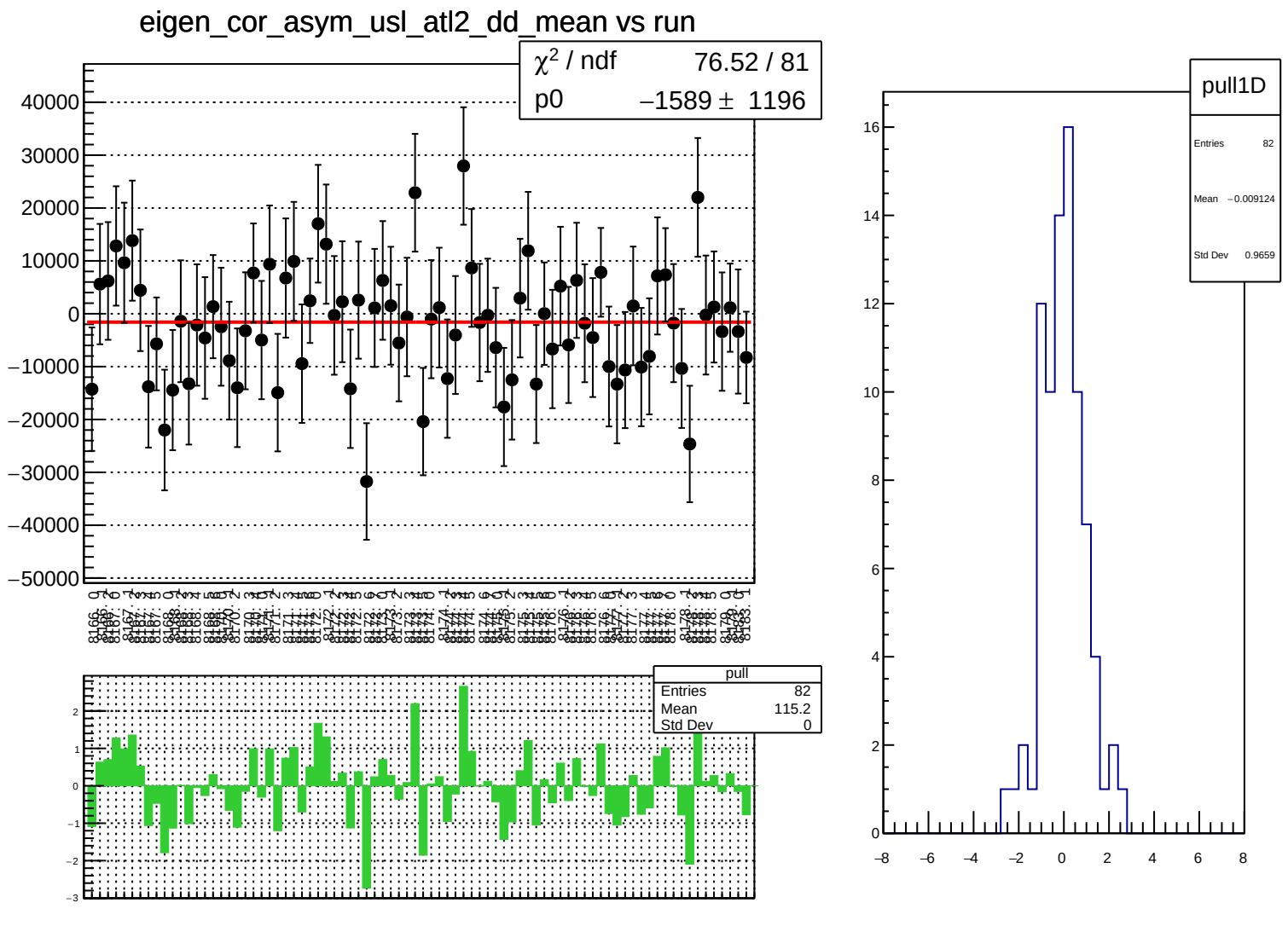

pull1D
Entries 82
Mean −0.009124
Std Dev 0.9659

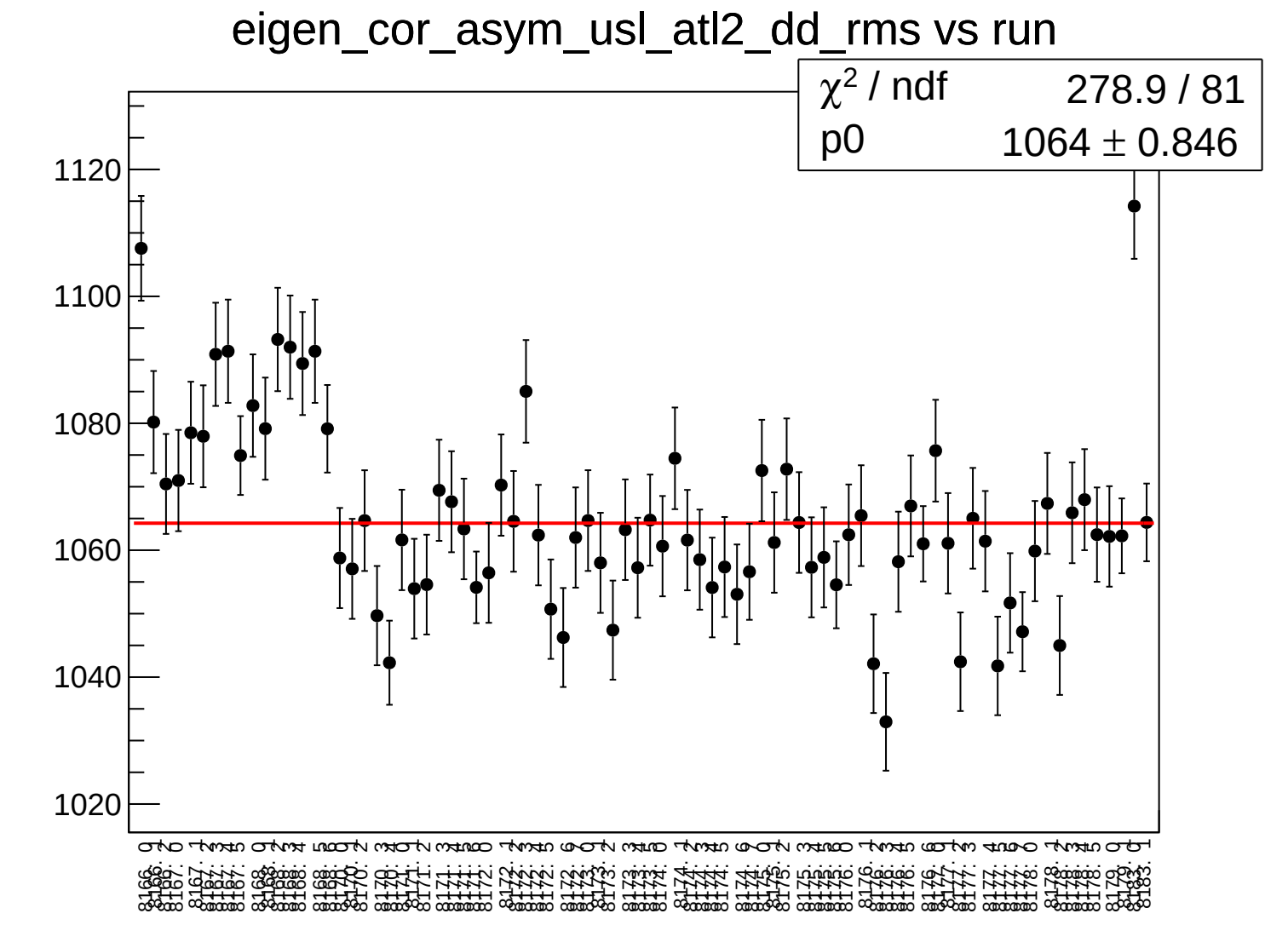

cor_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 278.9 / 81
p0 1064 ± 0.846
1120
1100
1080
1060
1040
1020

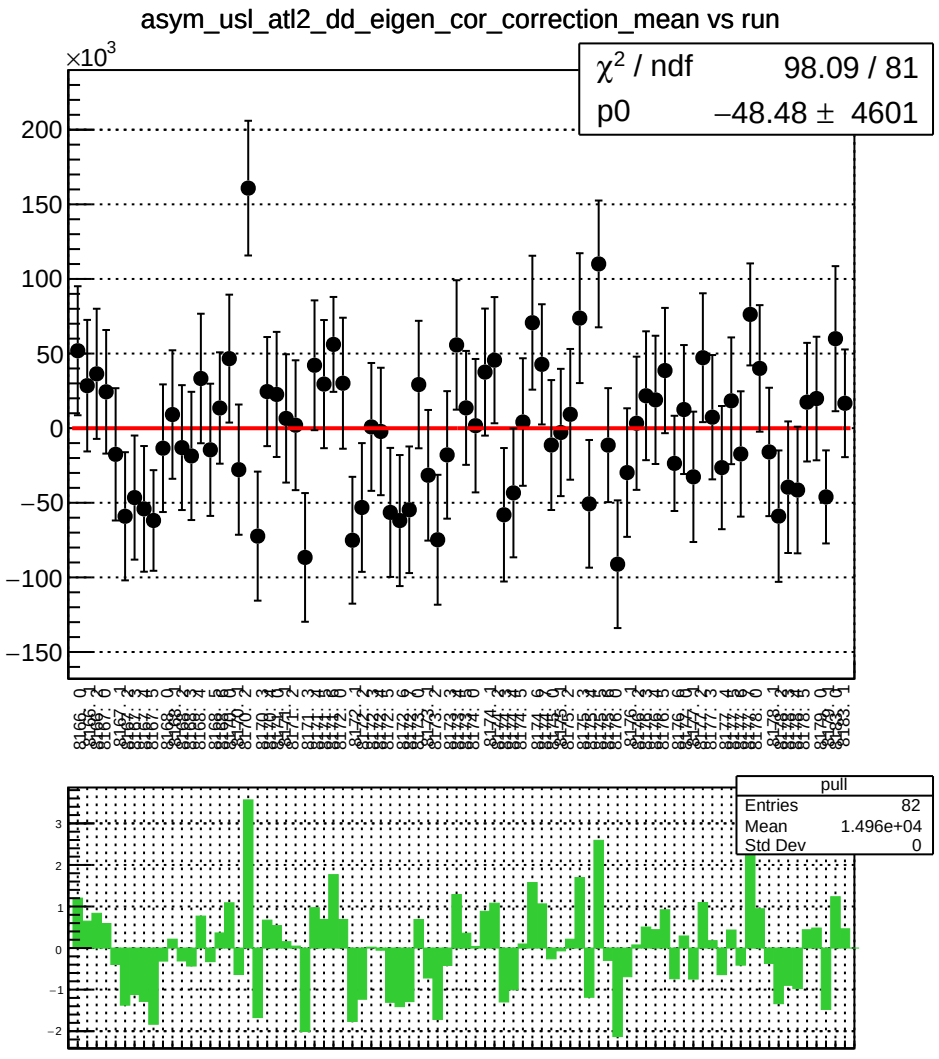

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 98.09 / 81
p0 −48.48 ± 4601
pull
Entries 82
Mean 1.496e+04
Std Dev 0

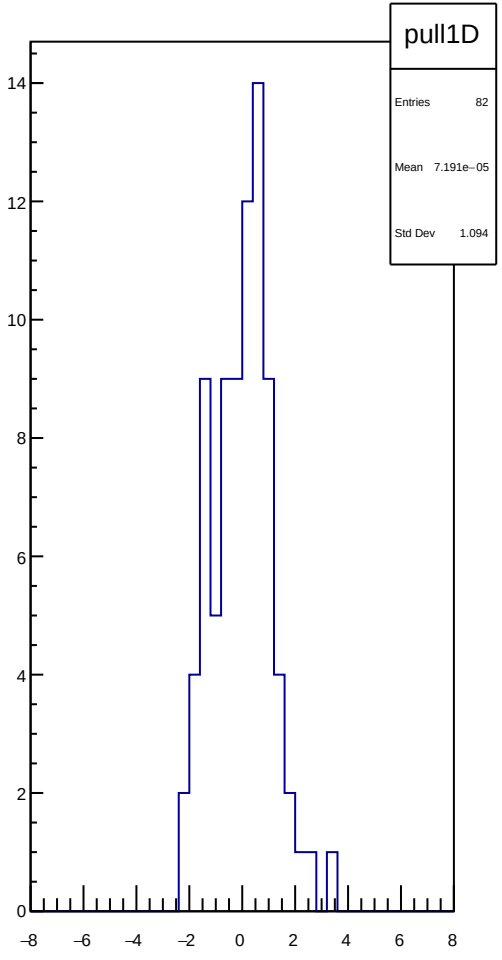

pull1D
Entries 82
Mean 7.191e−05
Std Dev 1.094

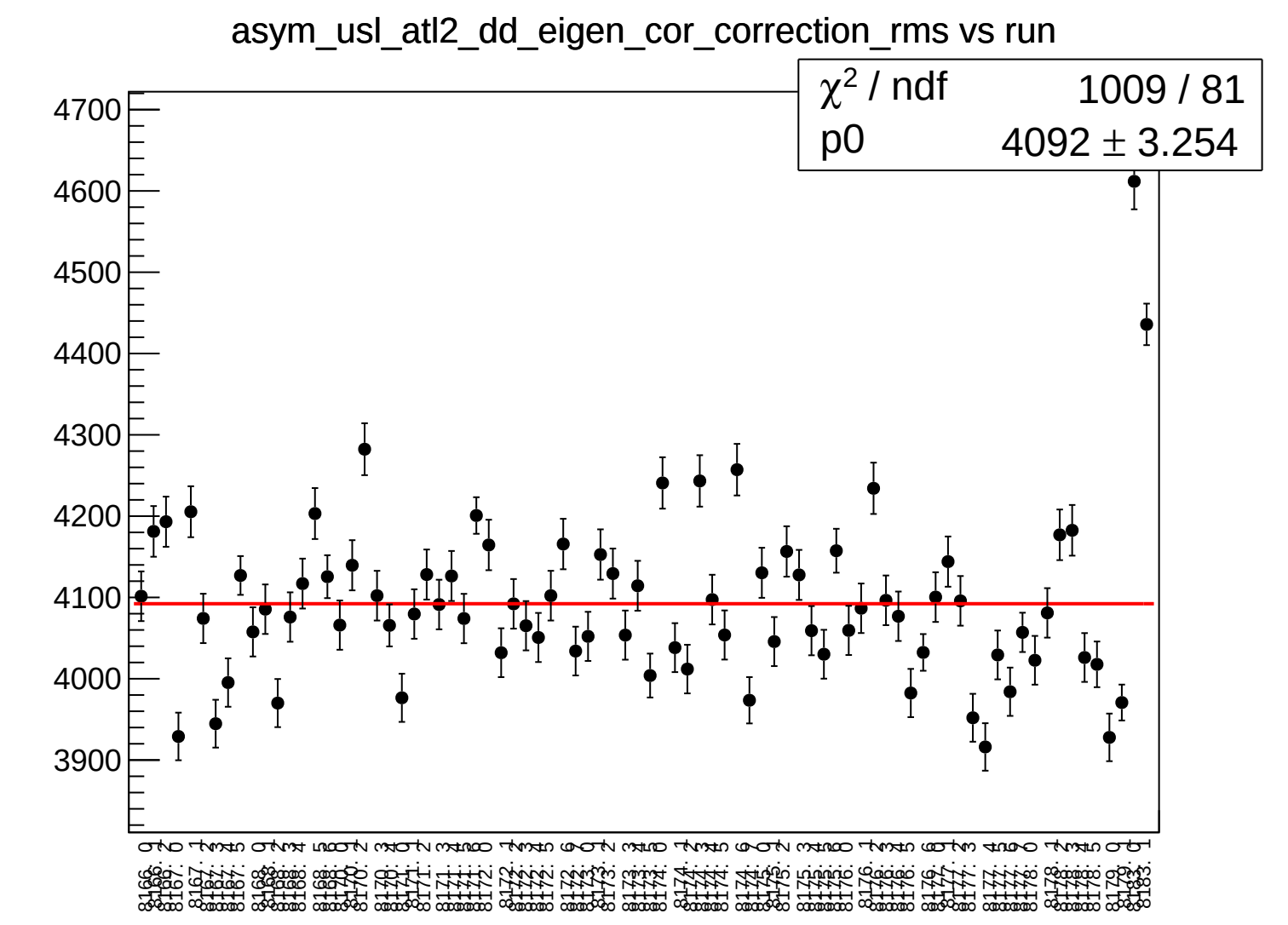

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 1009 / 81
p0 4092 ± 3.254
4700
4600
4500
4400
4300
4200
4100
4000
3900

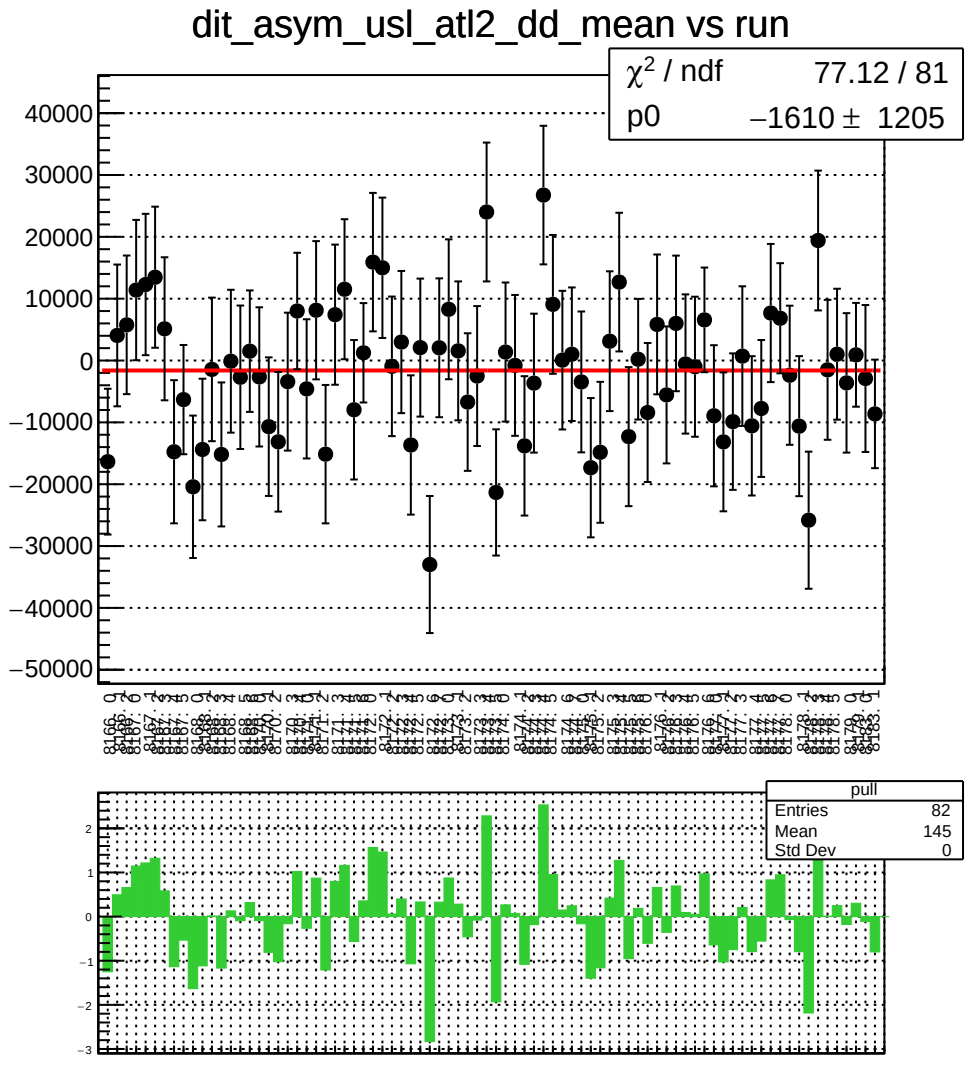

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 76.52 / 81
p0 −1589 ± 1196
pull
Entries 82
Mean 115.2
Std Dev 0
pull1D
Entries 82
Mean −0.009124
Std Dev 0.9659

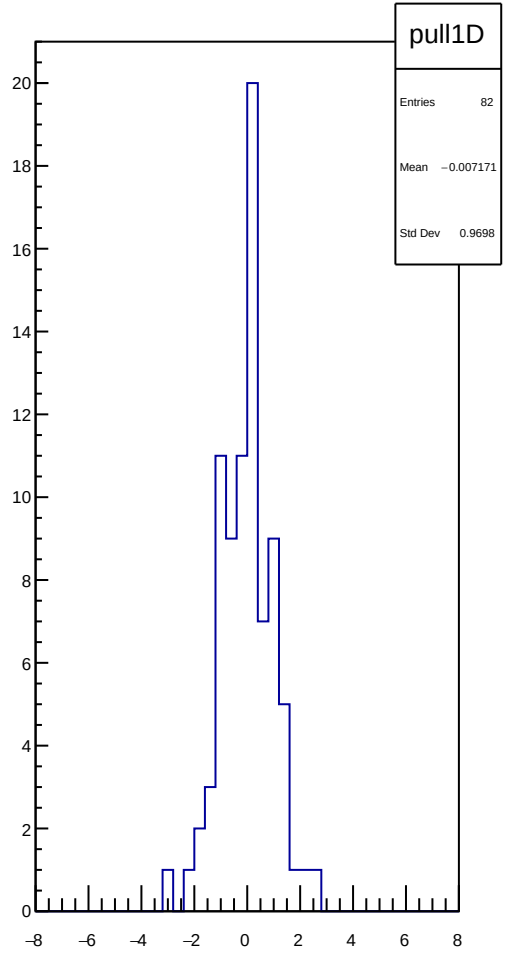

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 278.9 / 81
p0 1064 ± 0.846
1120
1100
1080
1060
1040
1020

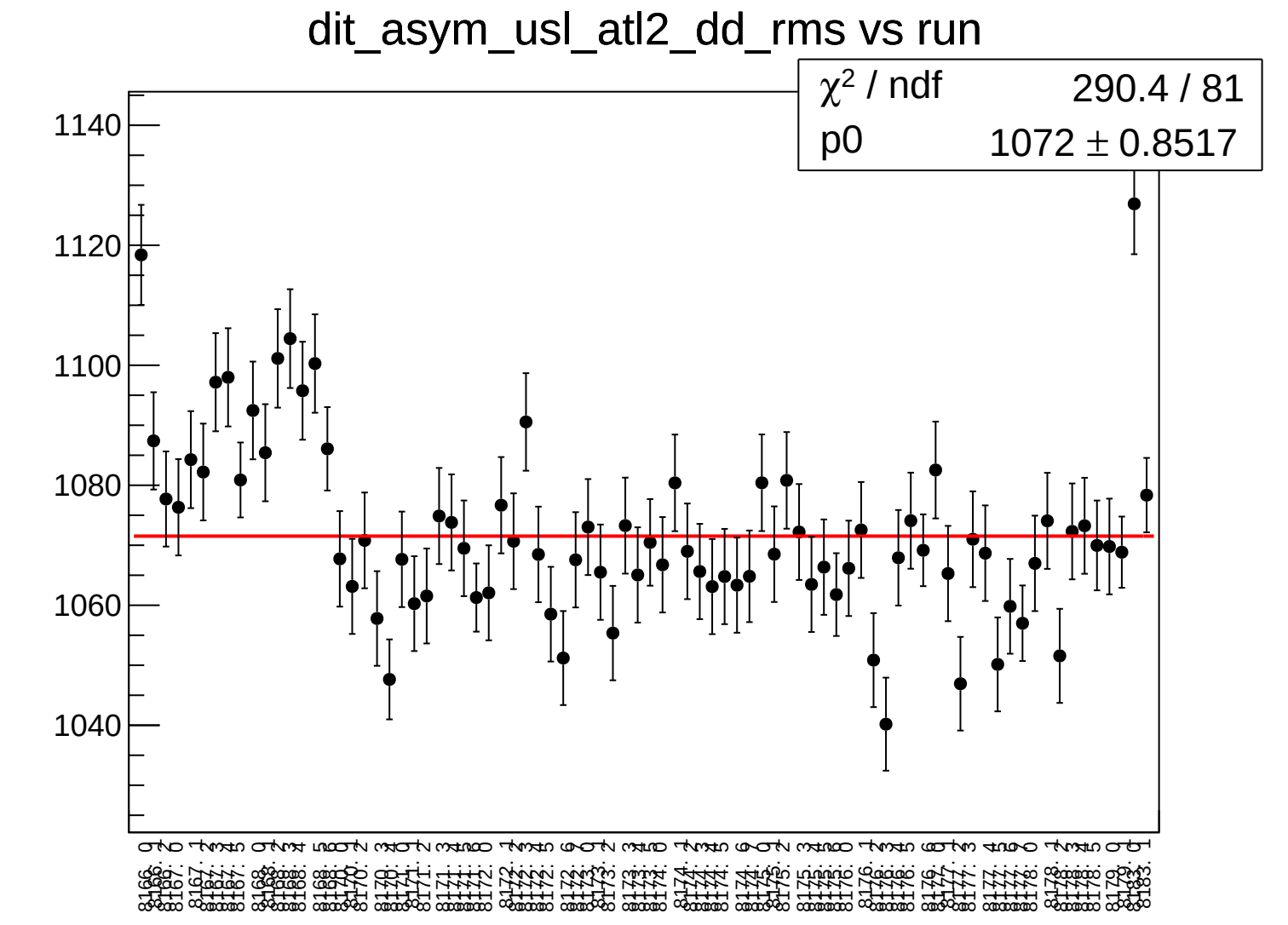

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 98.09 / 81
p0 −48.48 ± 4601
pull
Entries 82
Mean 1.496e+04
Std Dev 0

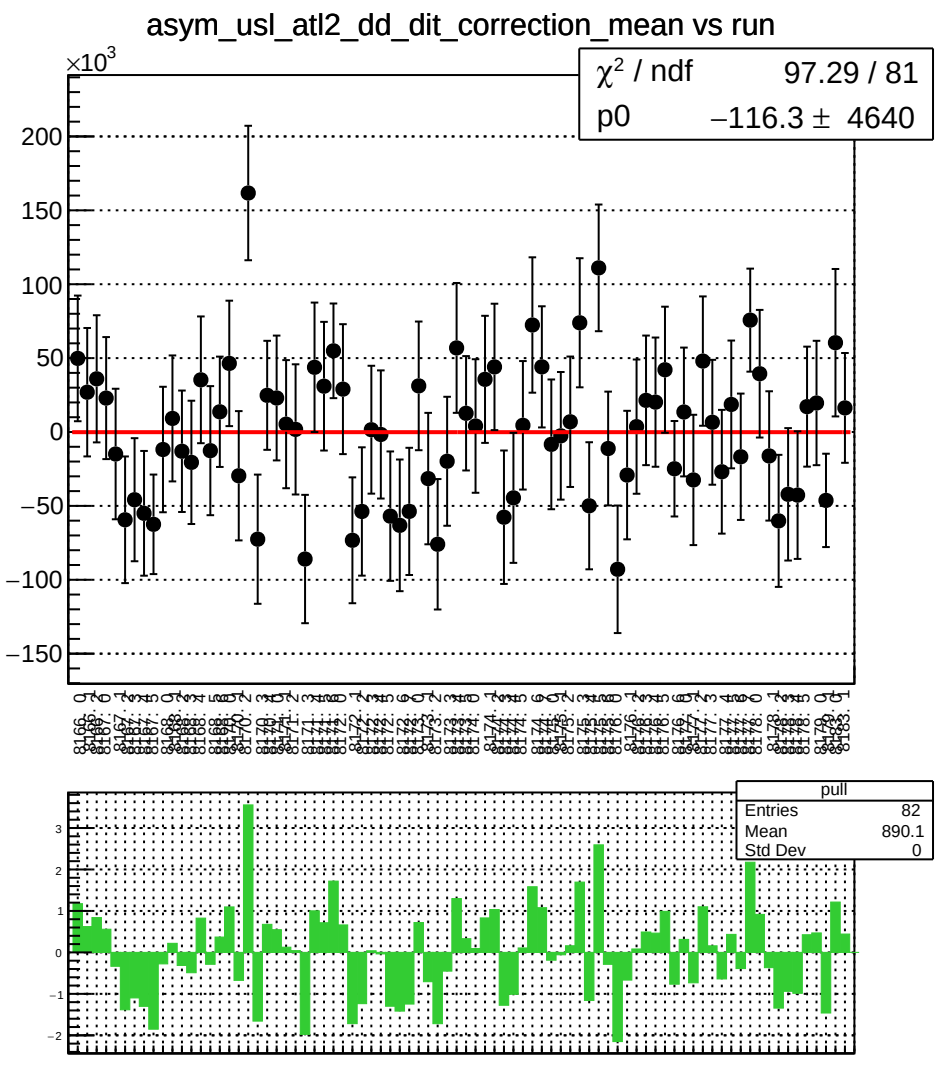

pull1D
Entries 82
Mean 7.191e−05
Std Dev 1.094

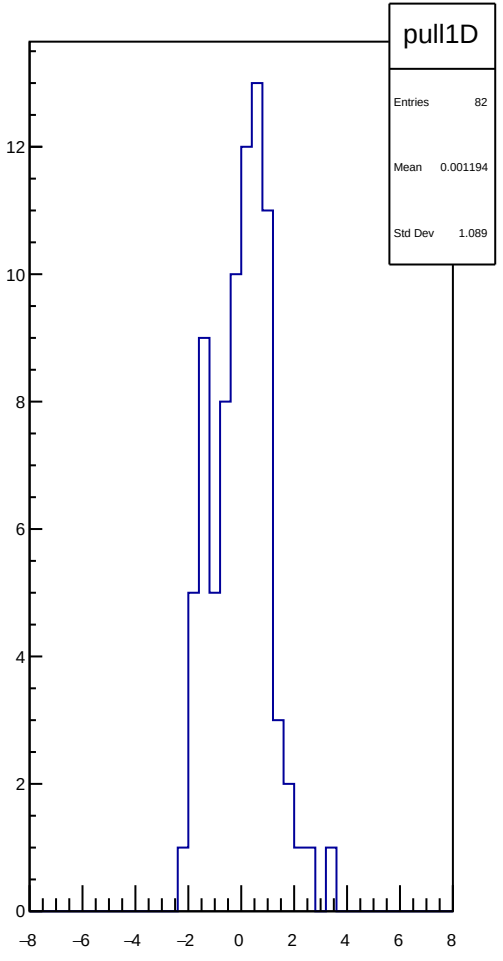

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1009 / 81
p0 4092 ± 3.254
4700
4600
4500
4400
4300
4200
4100
4000
3900

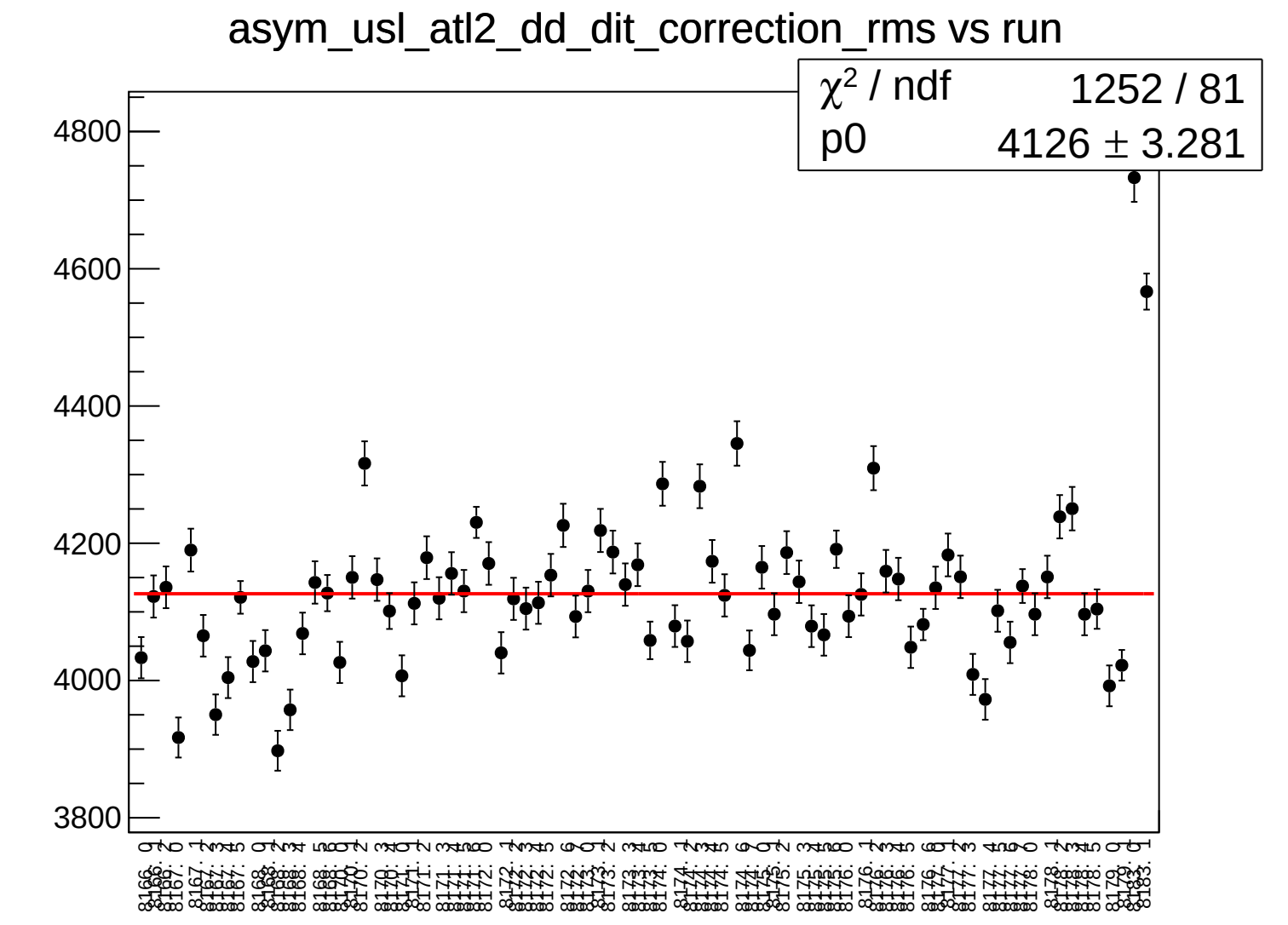

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 77.12 / 81
p0 −1610 ± 1205
pull
Entries 82
Mean 145
Std Dev 0

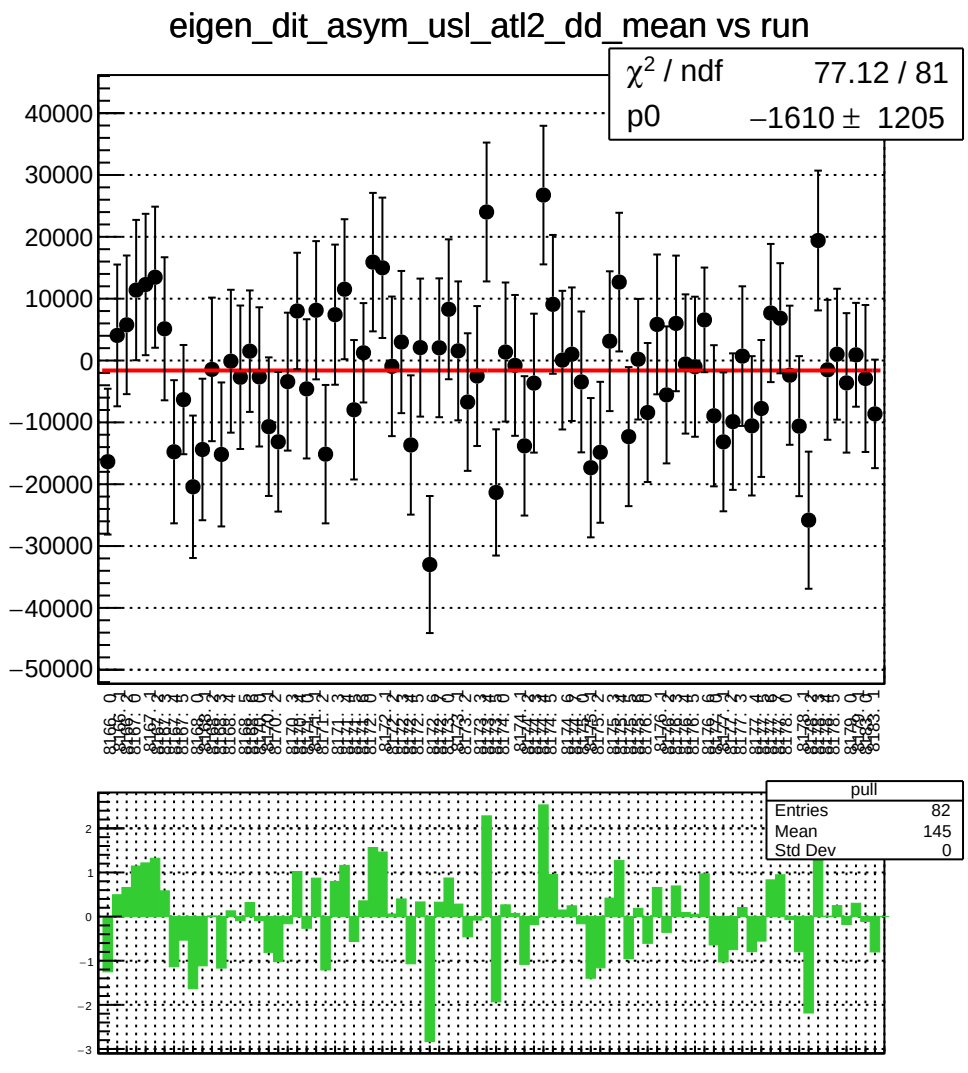

pull1D
Entries 82
Mean −0.007171
Std Dev 0.9698

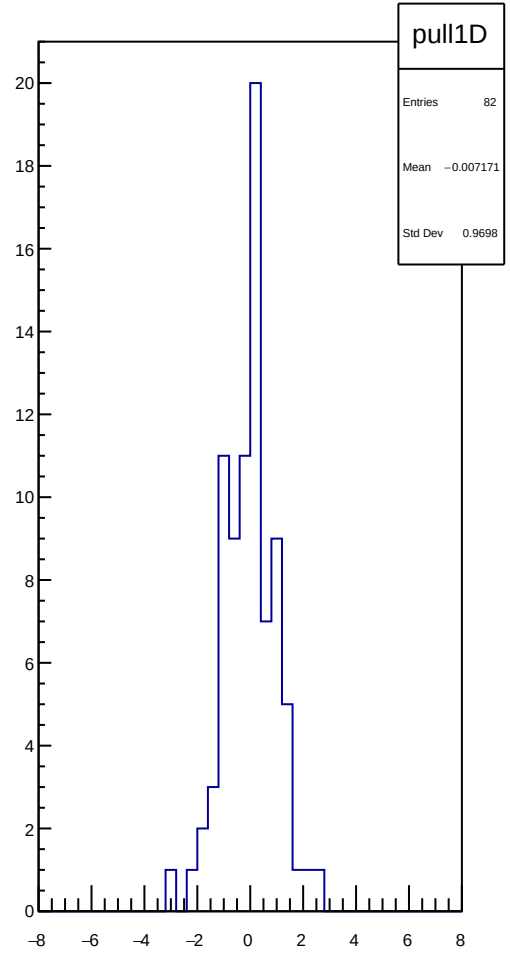

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 290.4 / 81
p0 1072 ± 0.8517
1140
1120
1100
1080
1060
1040

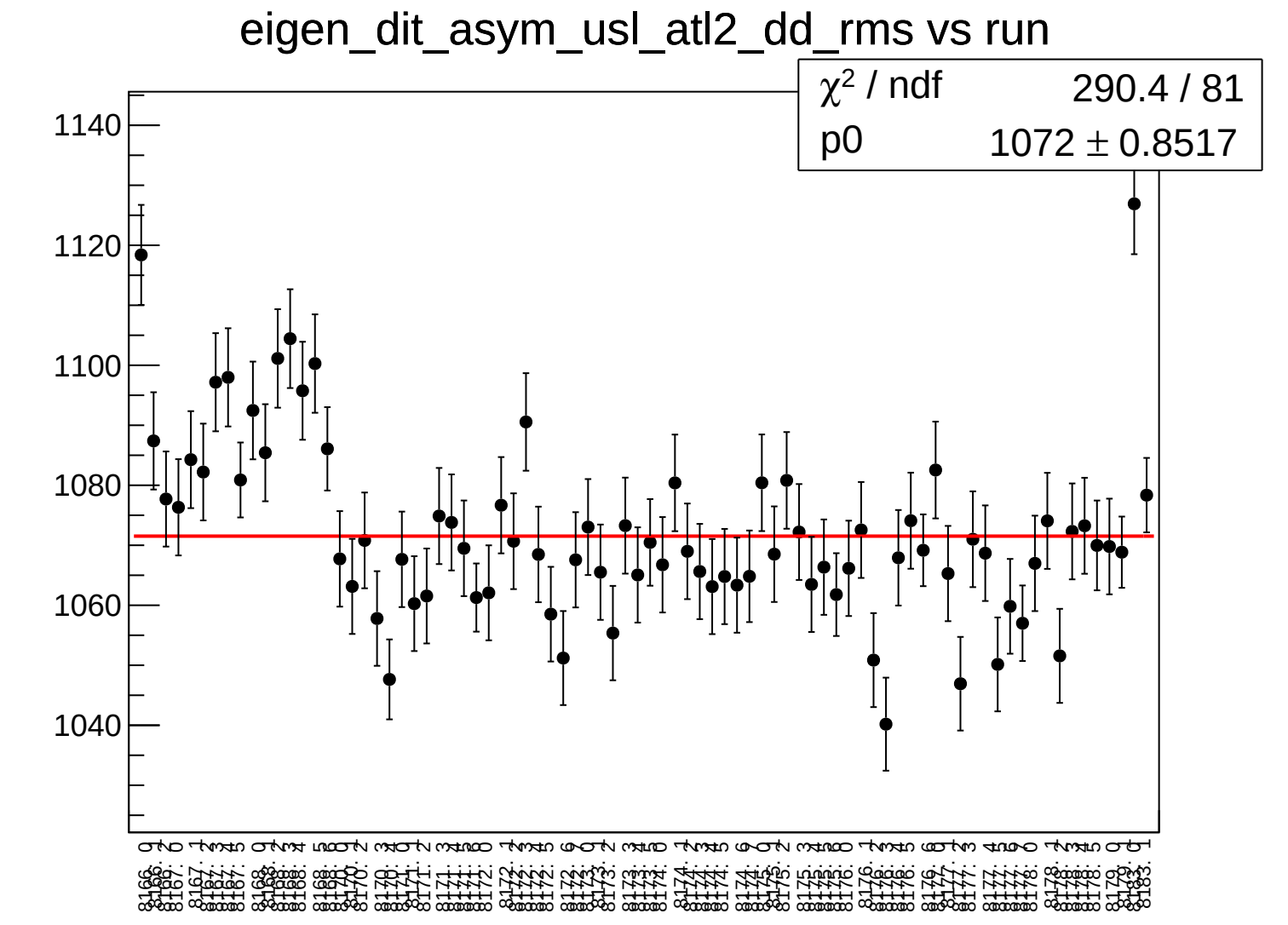

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 97.29 / 81
p0 −116.3 ± 4640
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 890.1
Std Dev 0
3
2
1
0
−1
−2

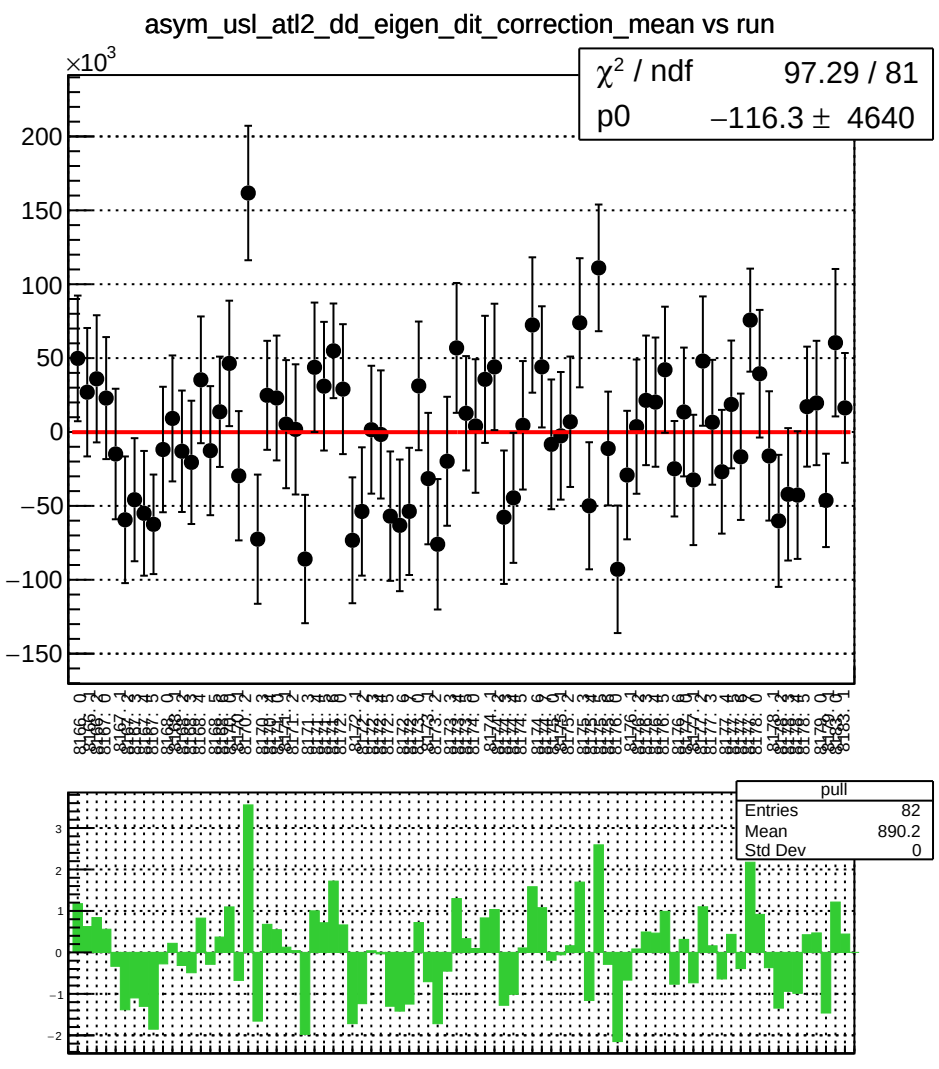

pull1D
Entries 82
Mean 0.001194
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

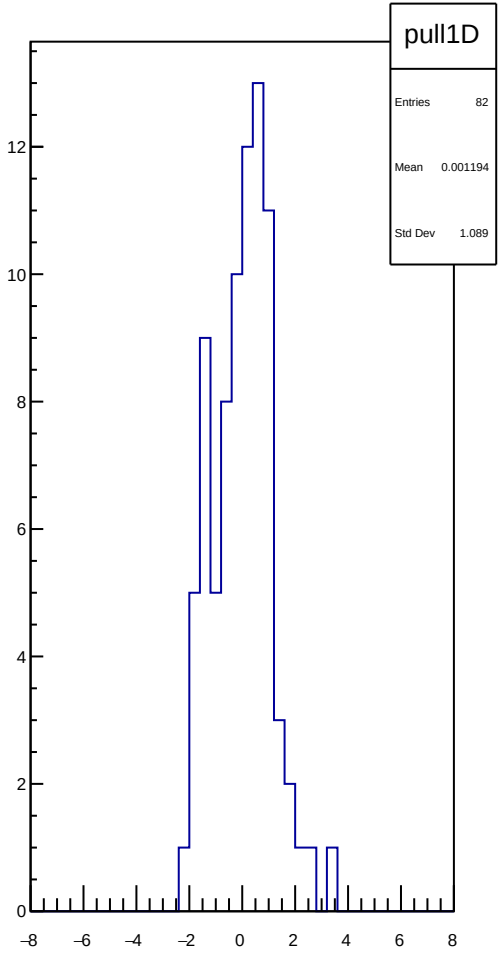

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 1252 / 81
p0 4126 ± 3.281
4800
4600
4400
4200
4000
3800

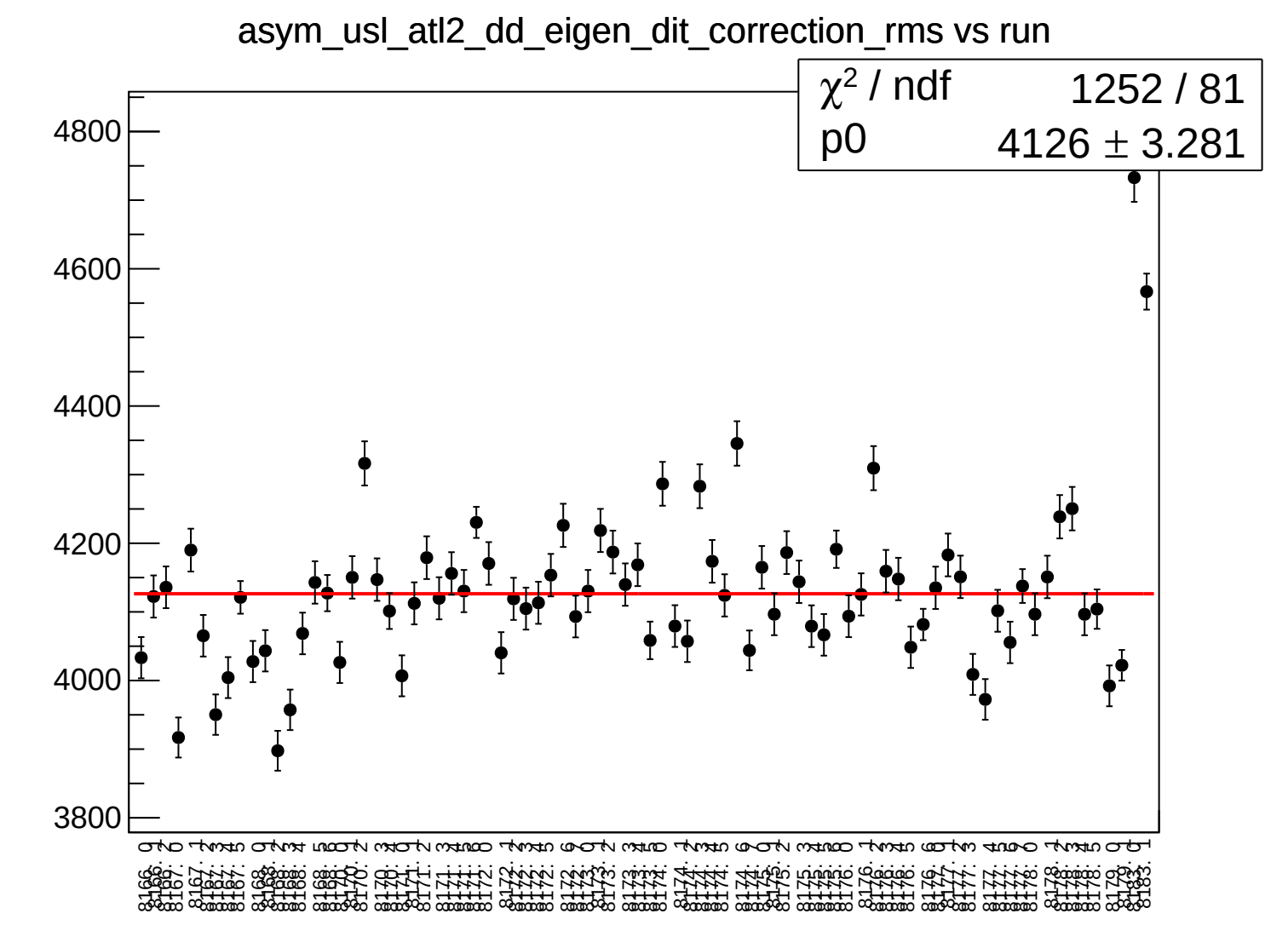

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 77.12 / 81
p0 −1610 ± 1205
pull
Entries 82
Mean 145
Std Dev 0

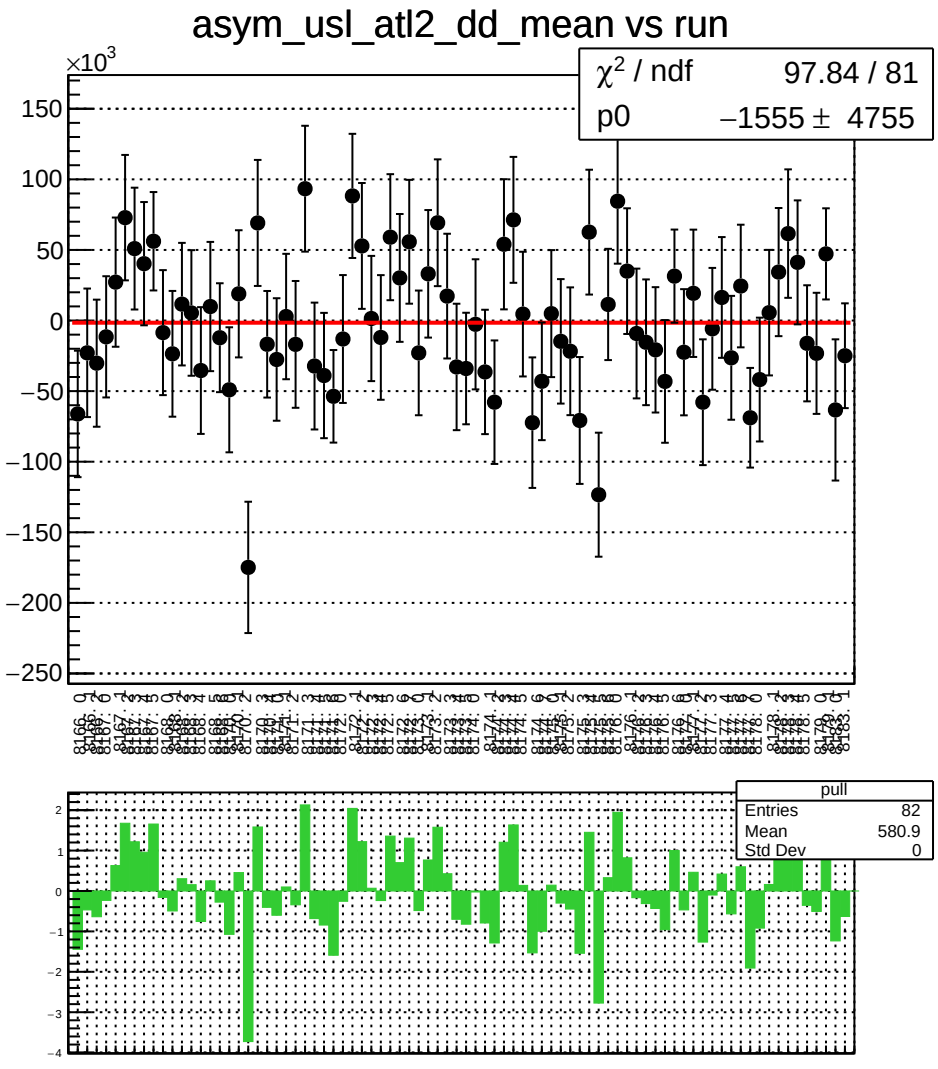

pull1D
Entries 82
Mean −0.007171
Std Dev 0.9698

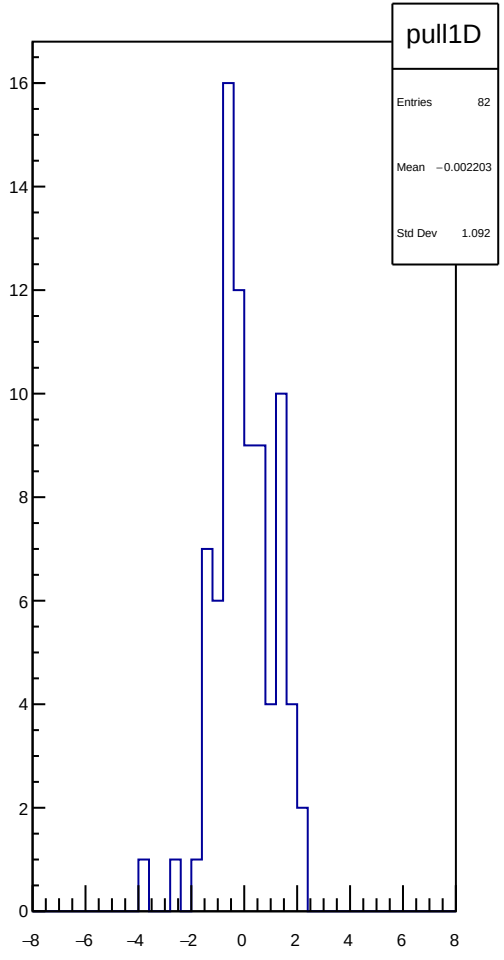

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 290.4 / 81
p0 1072 ± 0.8517
1140
1120
1100
1080
1060
1040

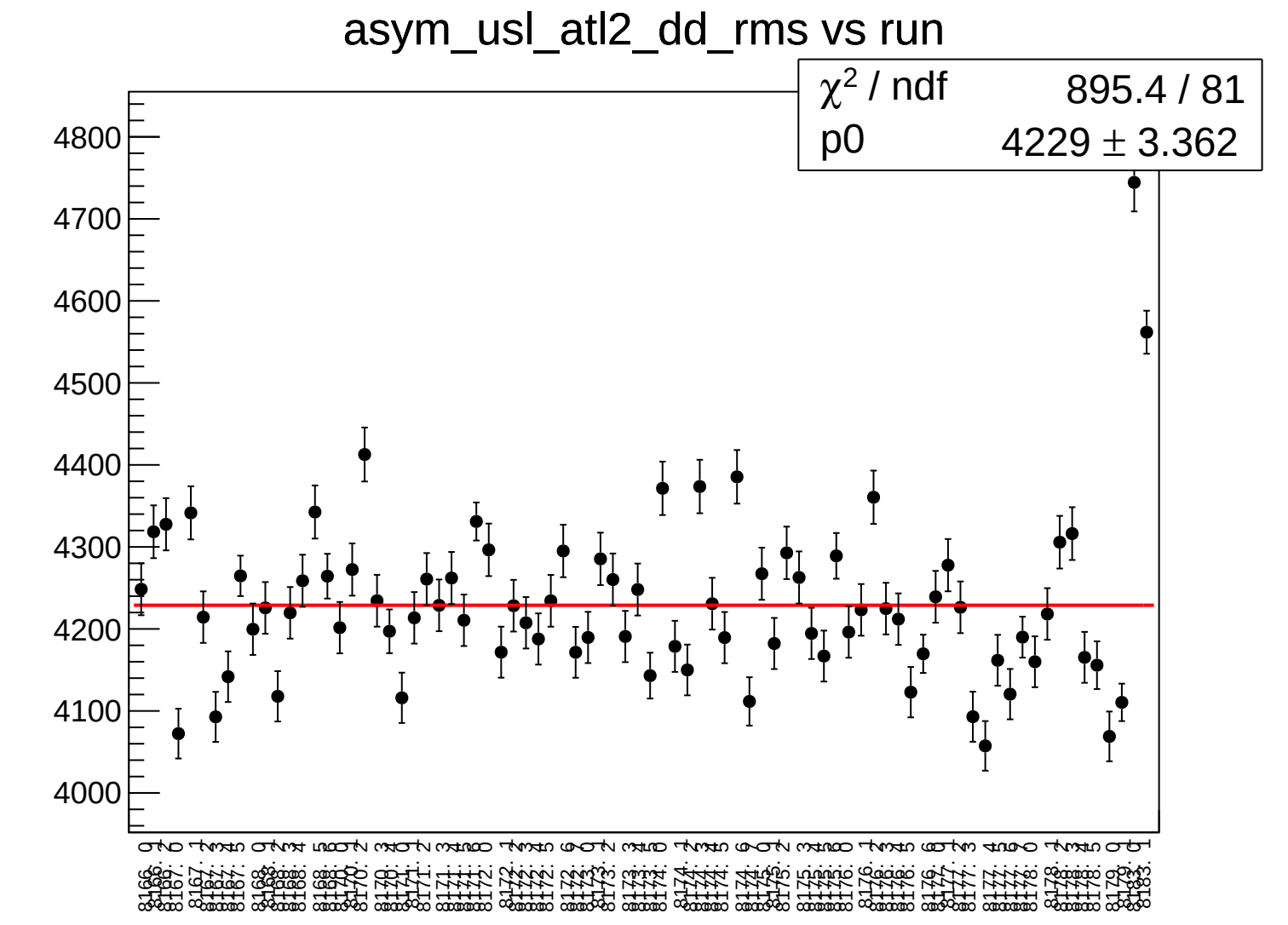

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 97.29 / 81
p0 −116.3 ± 4640
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 890.2
Std Dev 0
3
2
1
0
−1
−2

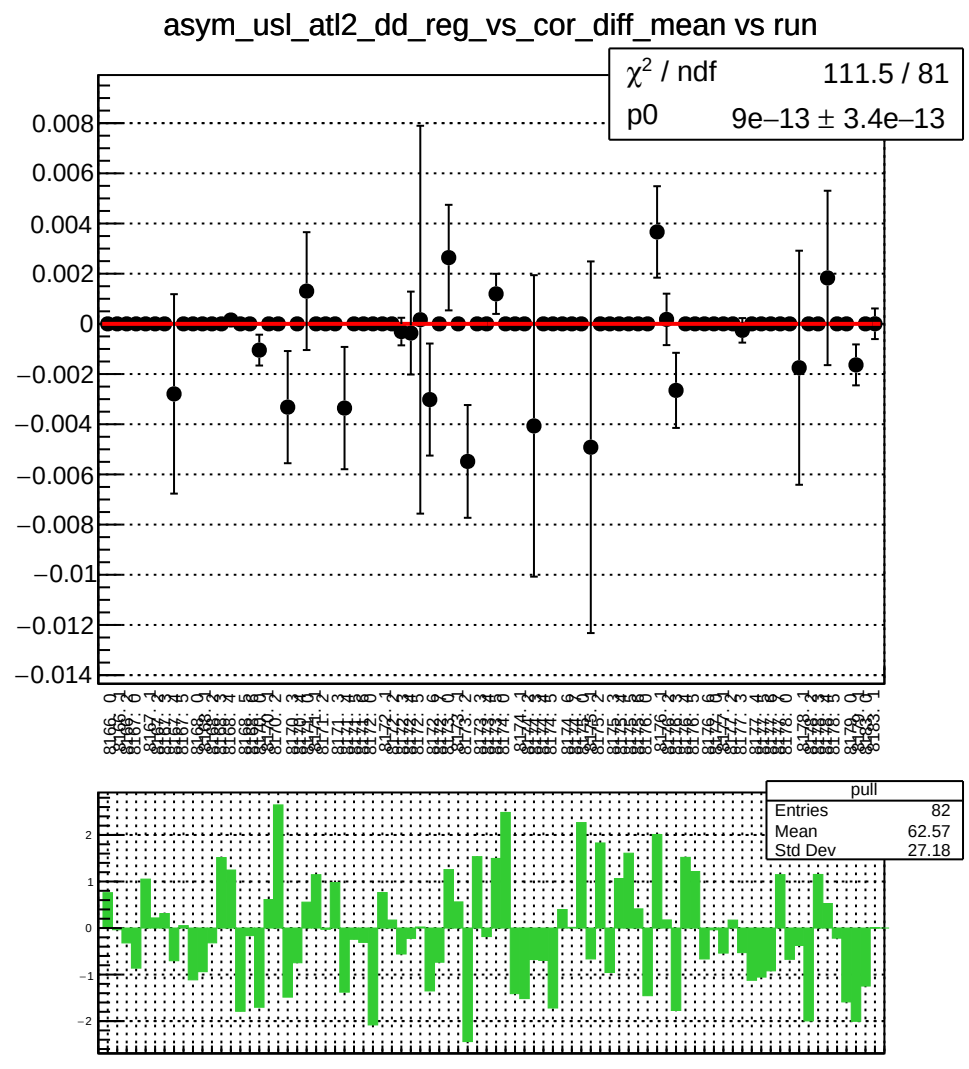

pull1D
Entries 82
Mean 0.001194
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

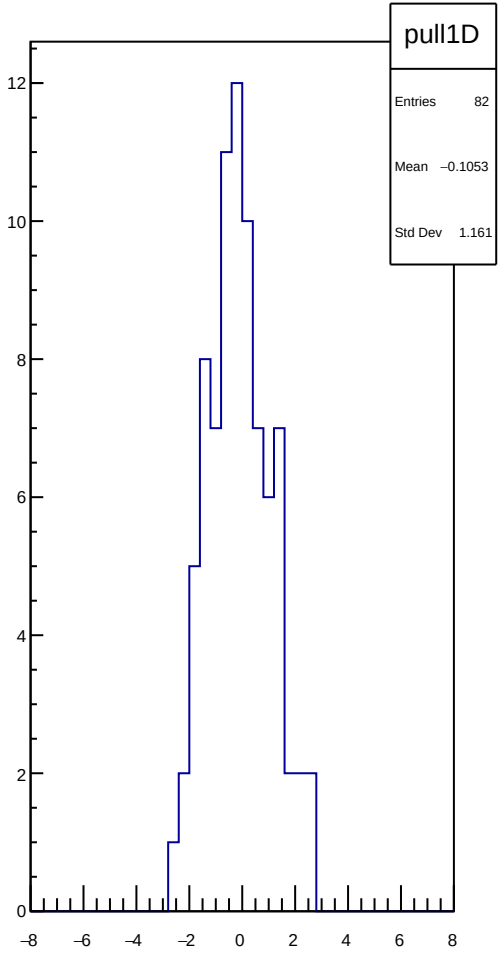

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1252 / 81
p0 4126 ± 3.281
4800
4600
4400
4200
4000
3800

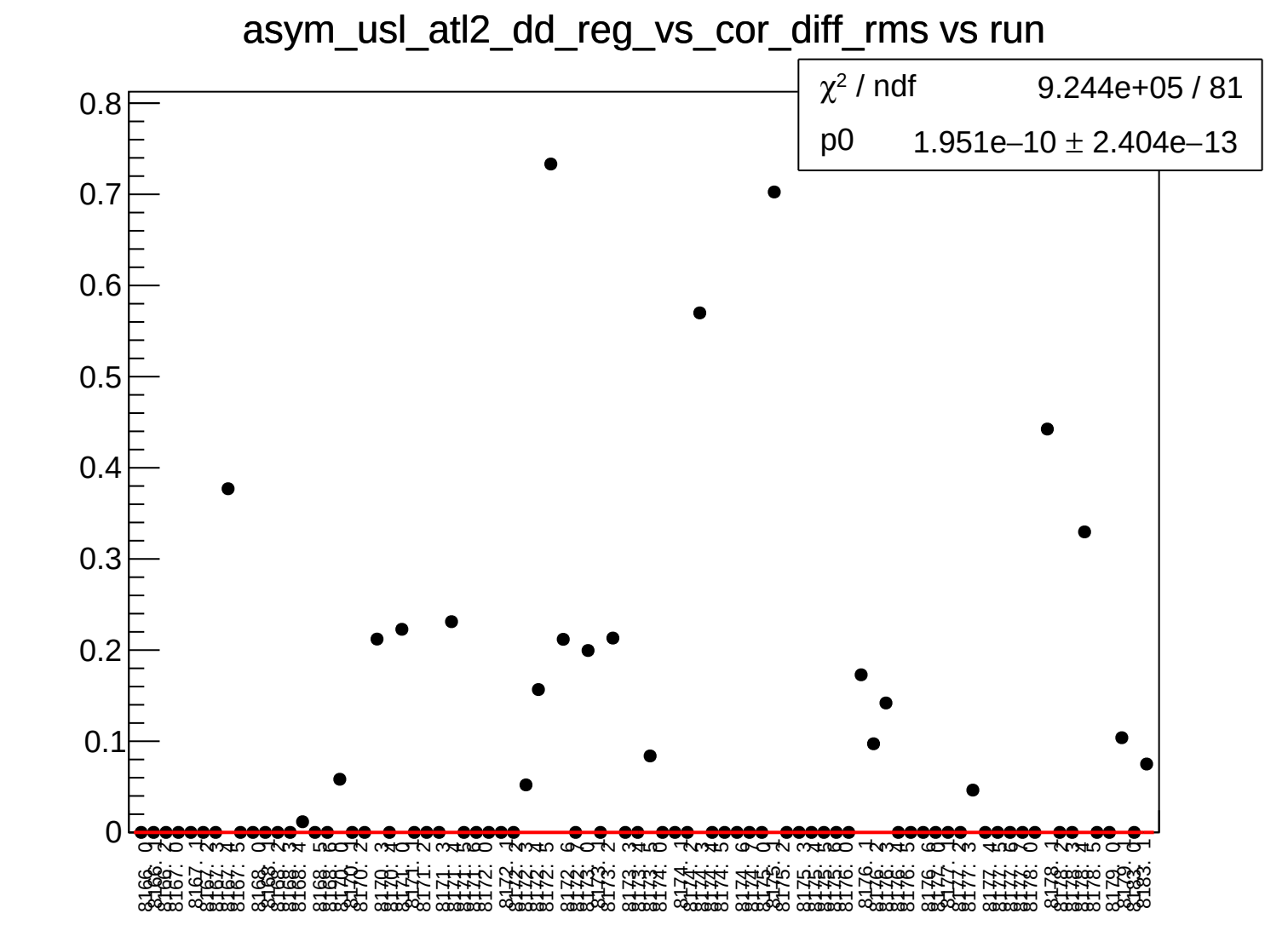

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 97.84 / 81
p0 −1555 ± 4755
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 580.9
Std Dev 0
2
1
0
−1
−2
−3
−4

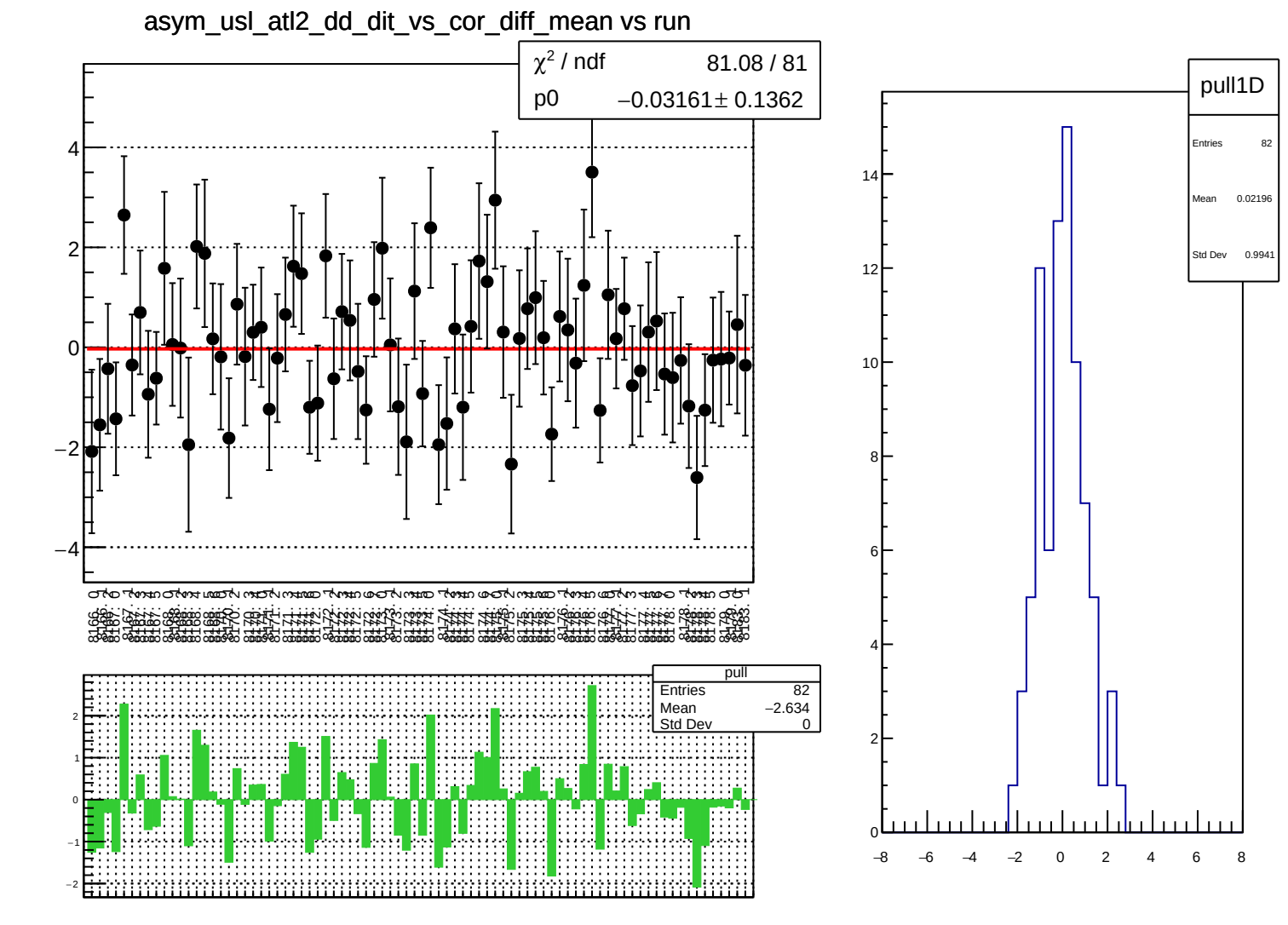

pull1D
Entries 82
Mean −0.002203
Std Dev 1.092
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

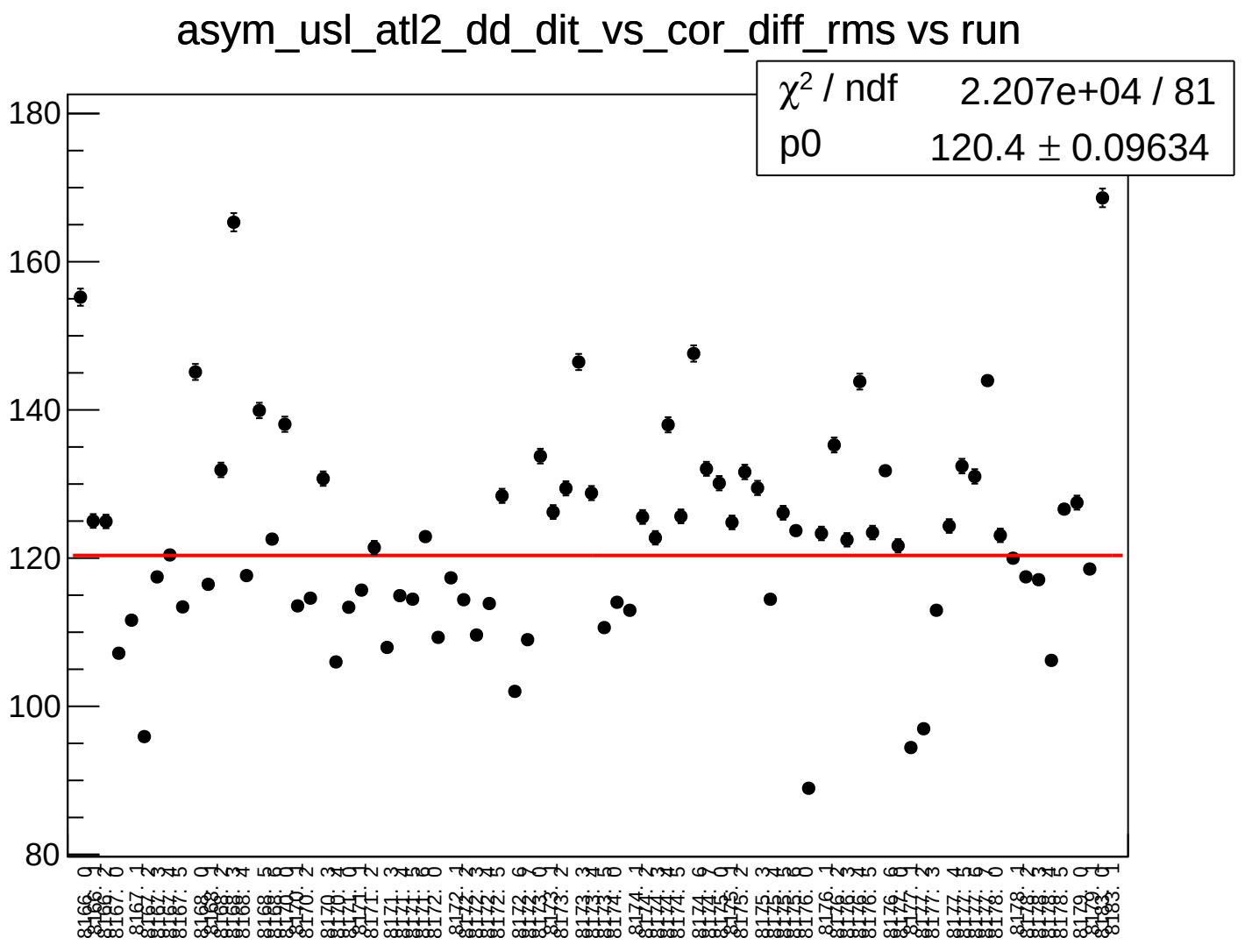

asym_usl_atl2_dd_rms vs run
χ² / ndf 895.4 / 81
p0 4229 ± 3.362
4800
4700
4600
4500
4400
4300
4200
4100
4000

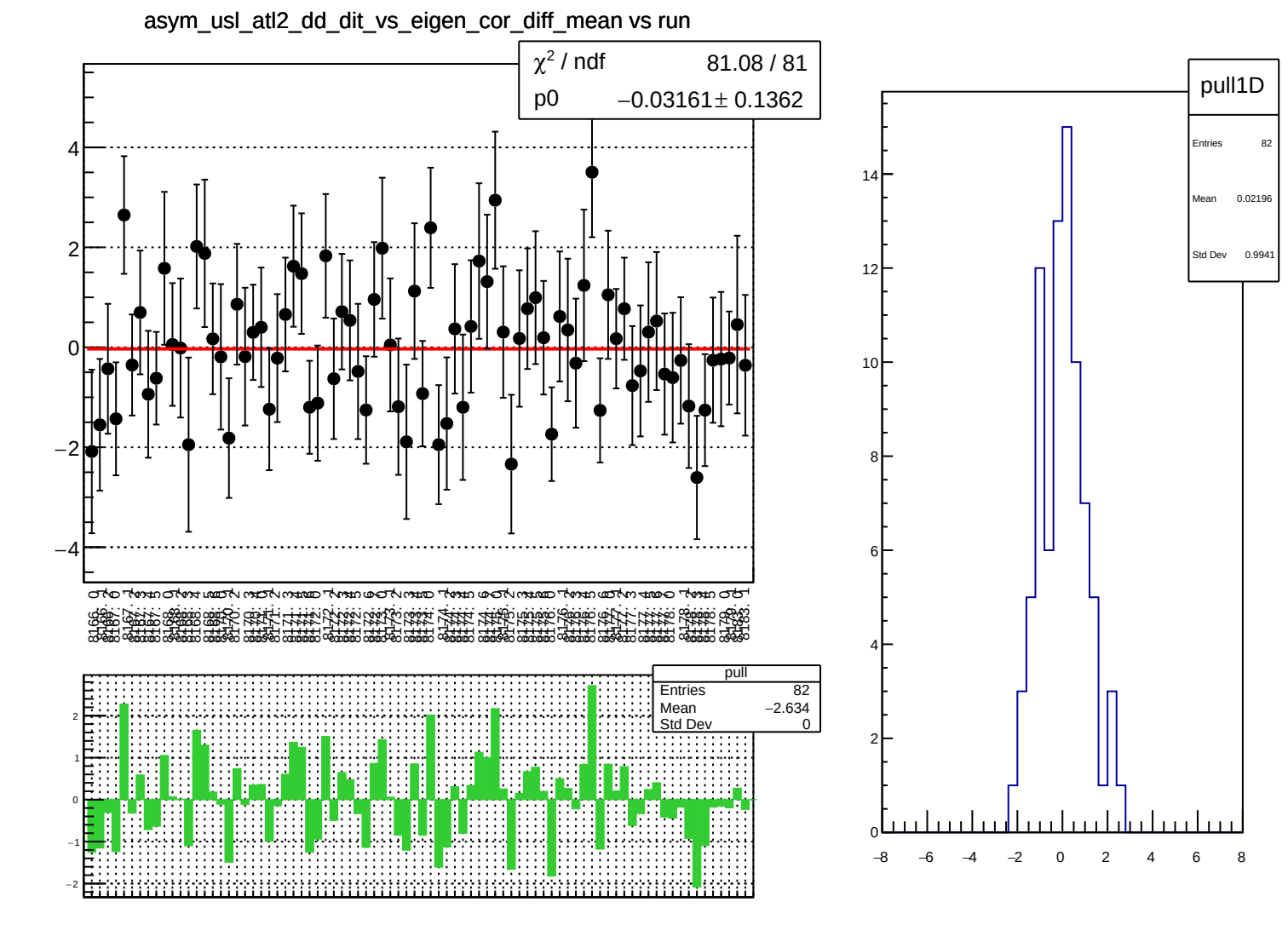

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 111.5 / 81
p0 9e−13 ± 3.4e−13
pull
Entries 82
Mean 62.57
Std Dev 27.18

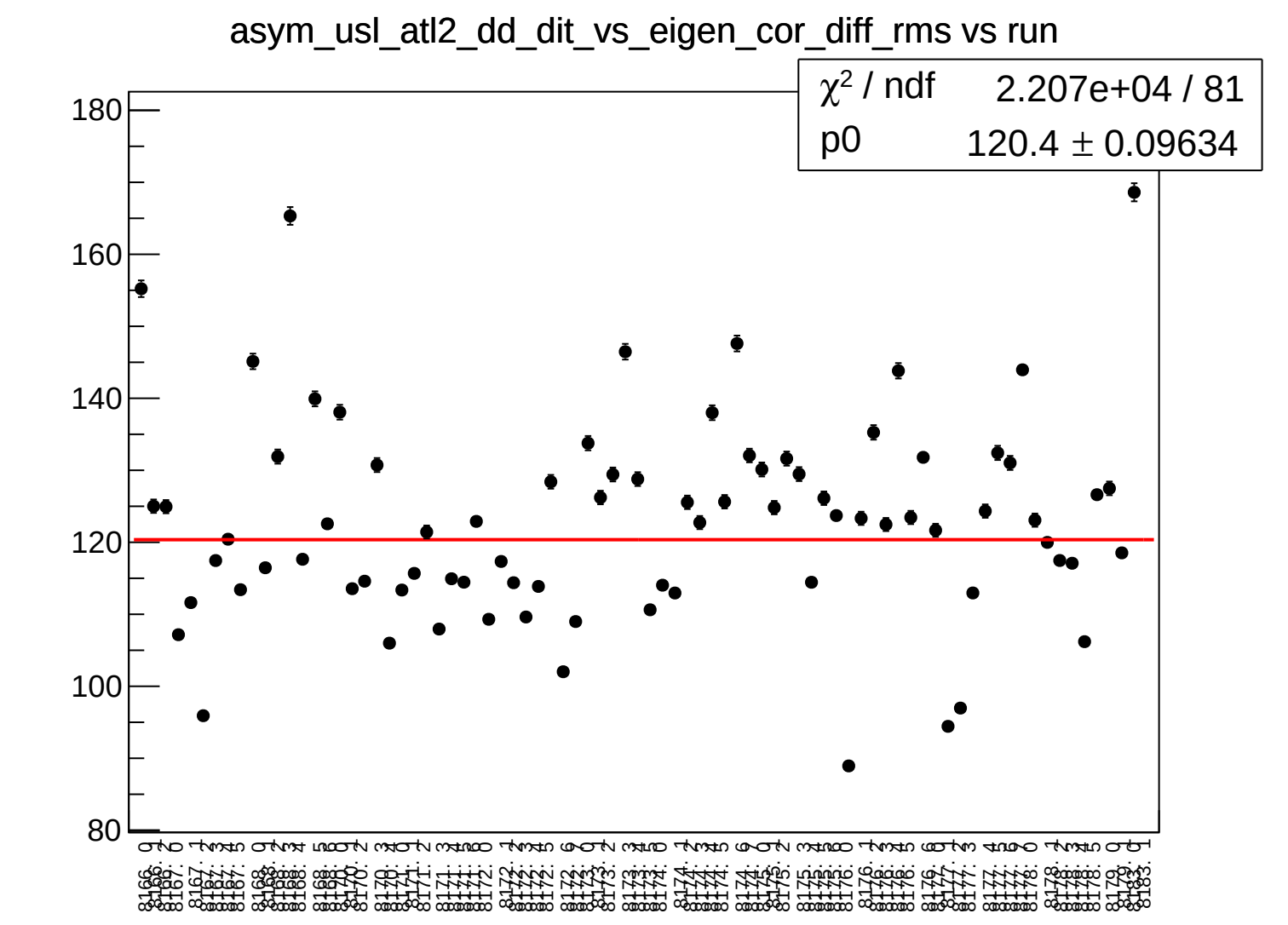

pull1D
Entries 82
Mean −0.1053
Std Dev 1.161

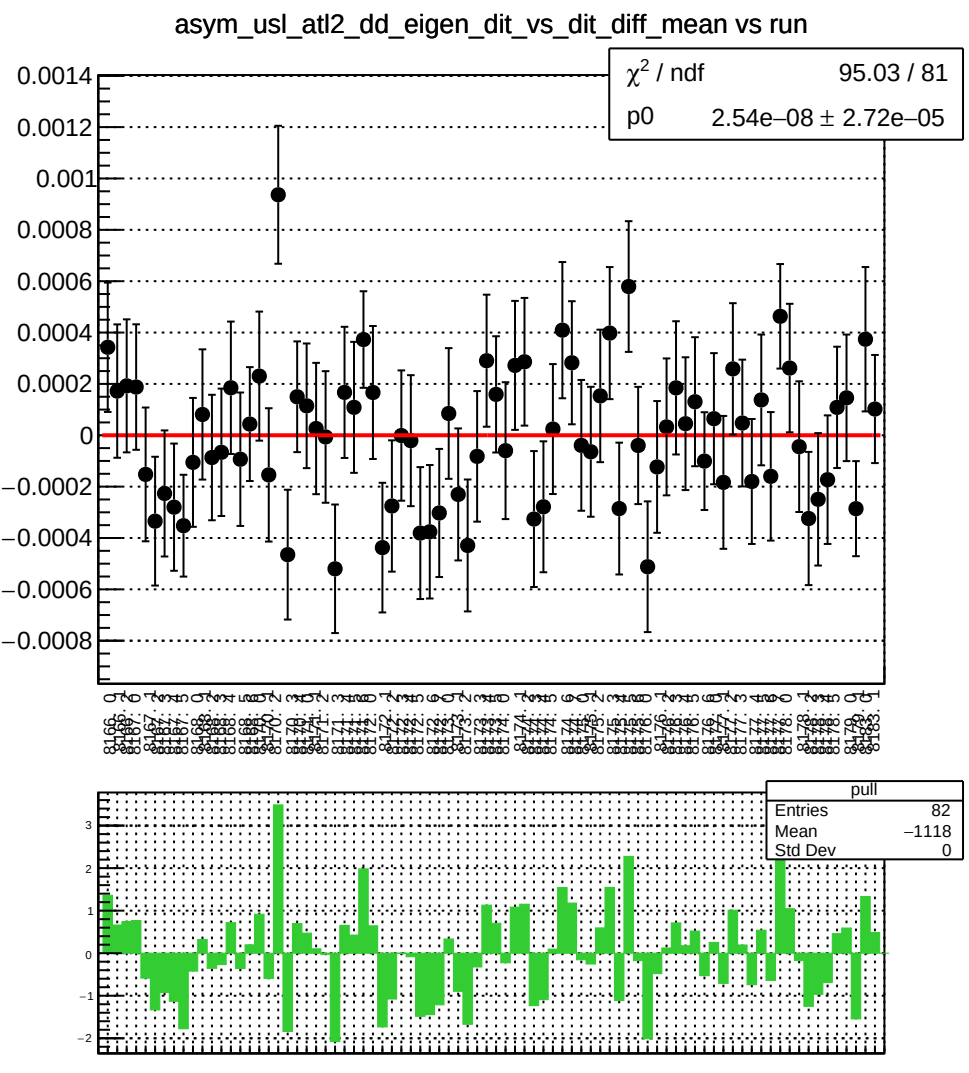

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.244e+05 / 81
p0 1.951e−10 ± 2.404e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

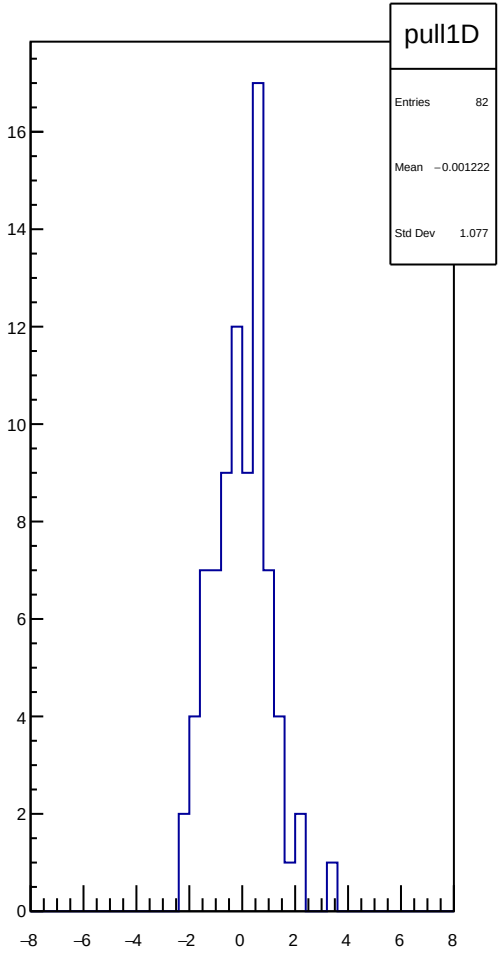

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 81.08 / 81
p0 −0.03161± 0.1362
pull
Entries 82
Mean −2.634
Std Dev 0
pull1D
Entries 82
Mean 0.02196
Std Dev 0.9941

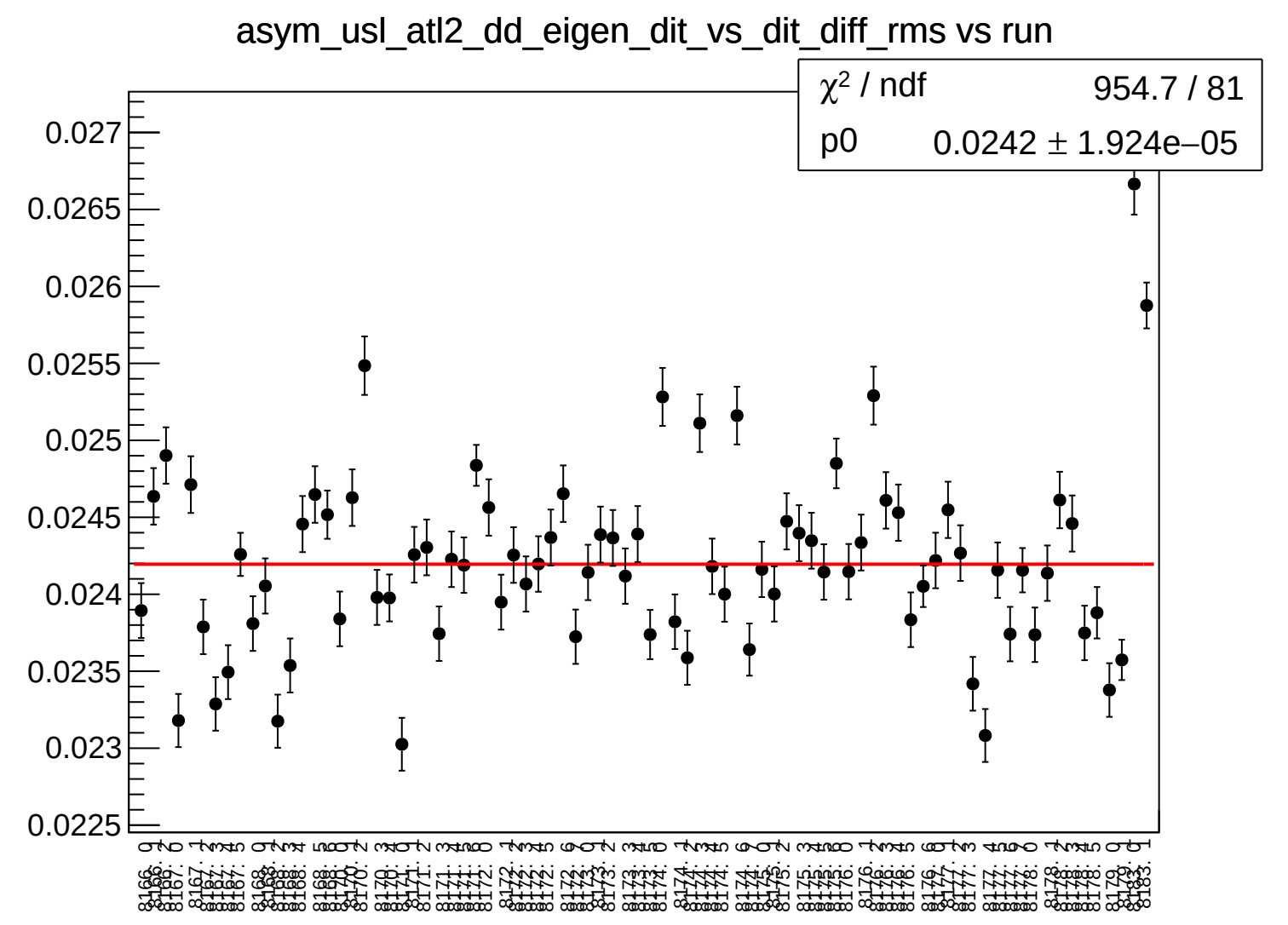

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.207e+04 / 81
p0 120.4 ± 0.09634
180
160
140
120
100
80

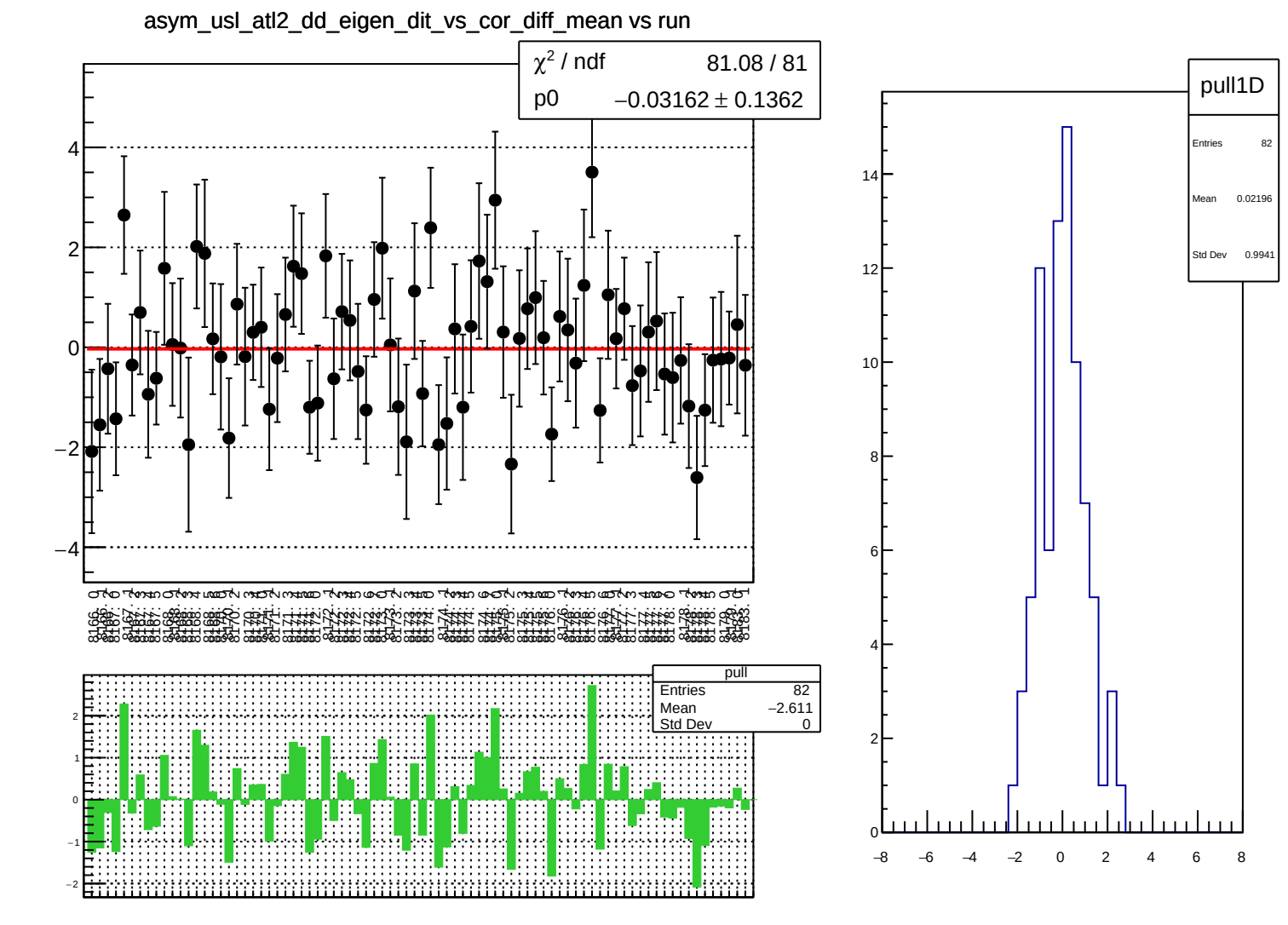

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.08 / 81
p0 −0.03161± 0.1362
pull
Entries 82
Mean −2.634
Std Dev 0
pull1D
Entries 82
Mean 0.02196
Std Dev 0.9941

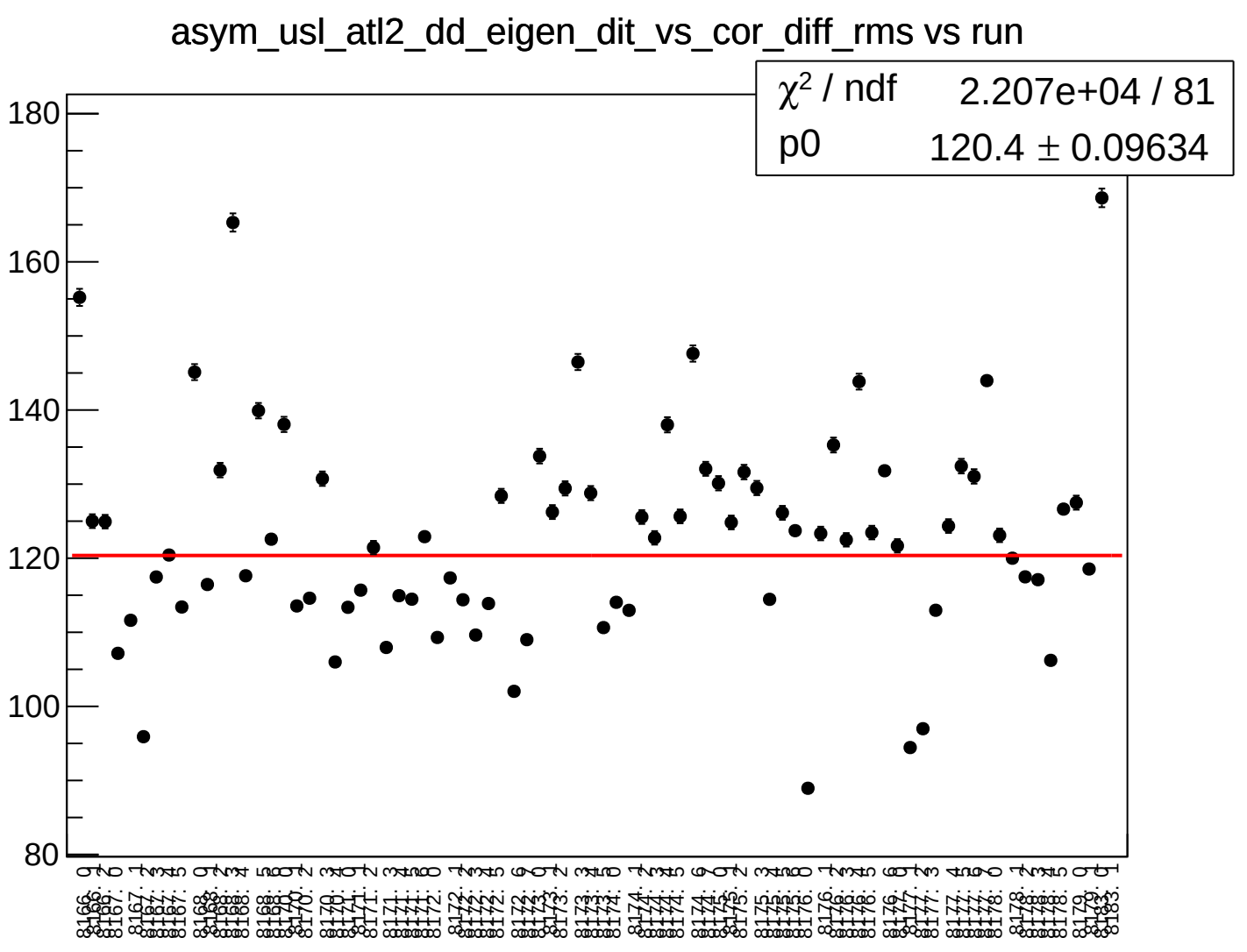

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.207e+04 / 81
p0 120.4 ± 0.09634
180
160
140
120
100
80

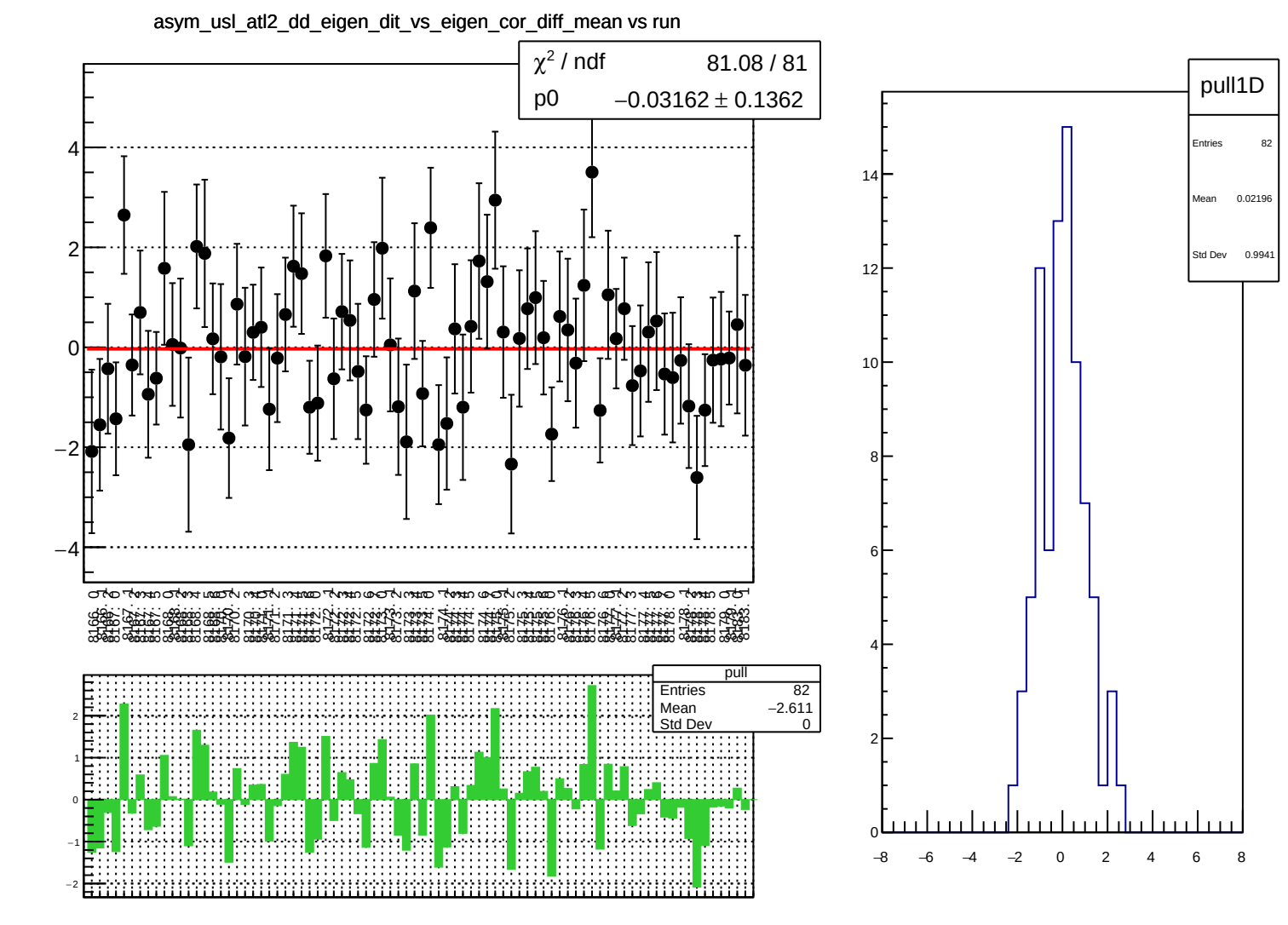

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.03 / 81
p0 2.54e−08 ± 2.72e−05
pull
Entries 82
Mean −1118
Std Dev 0

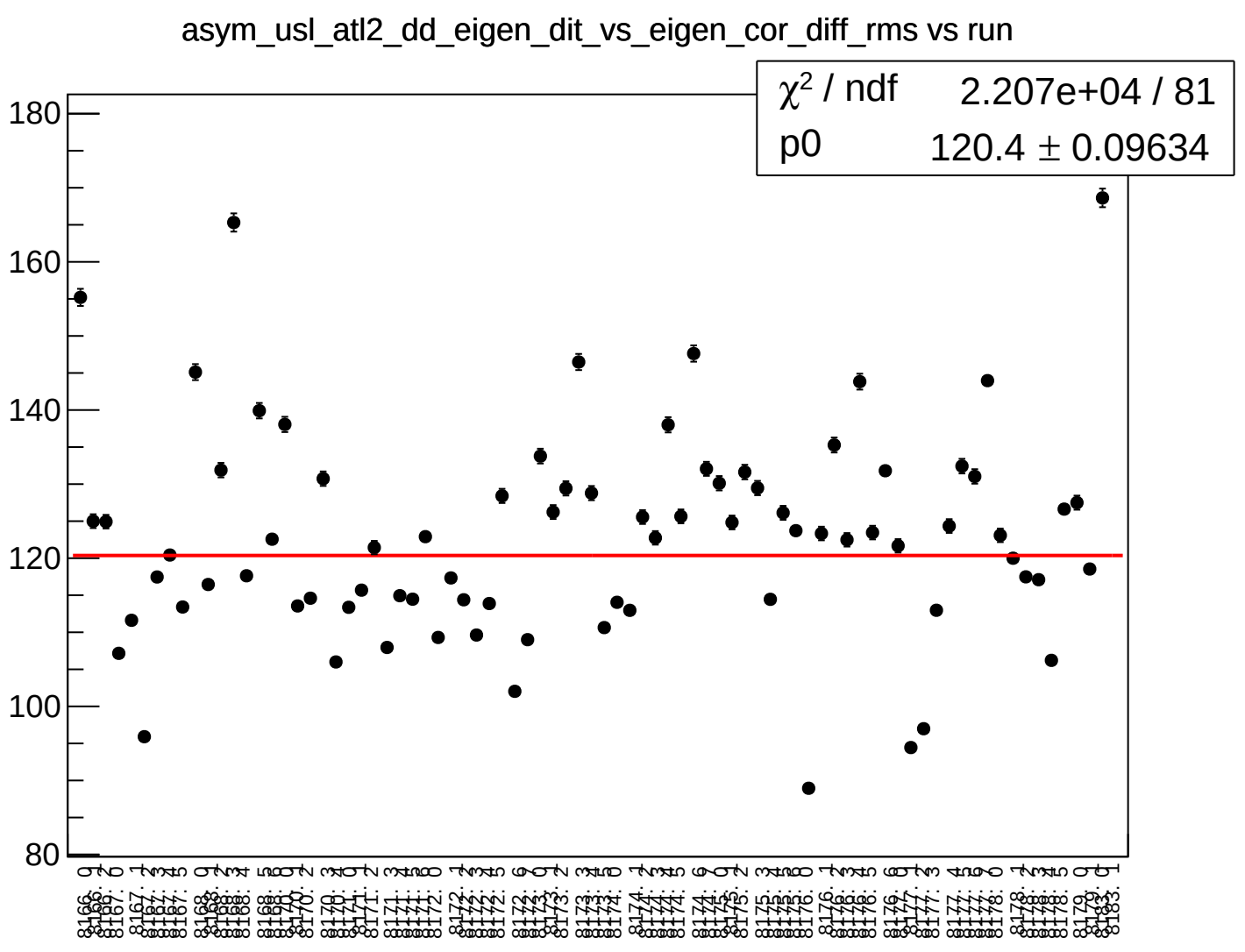

pull1D
Entries 82
Mean −0.001222
Std Dev 1.077

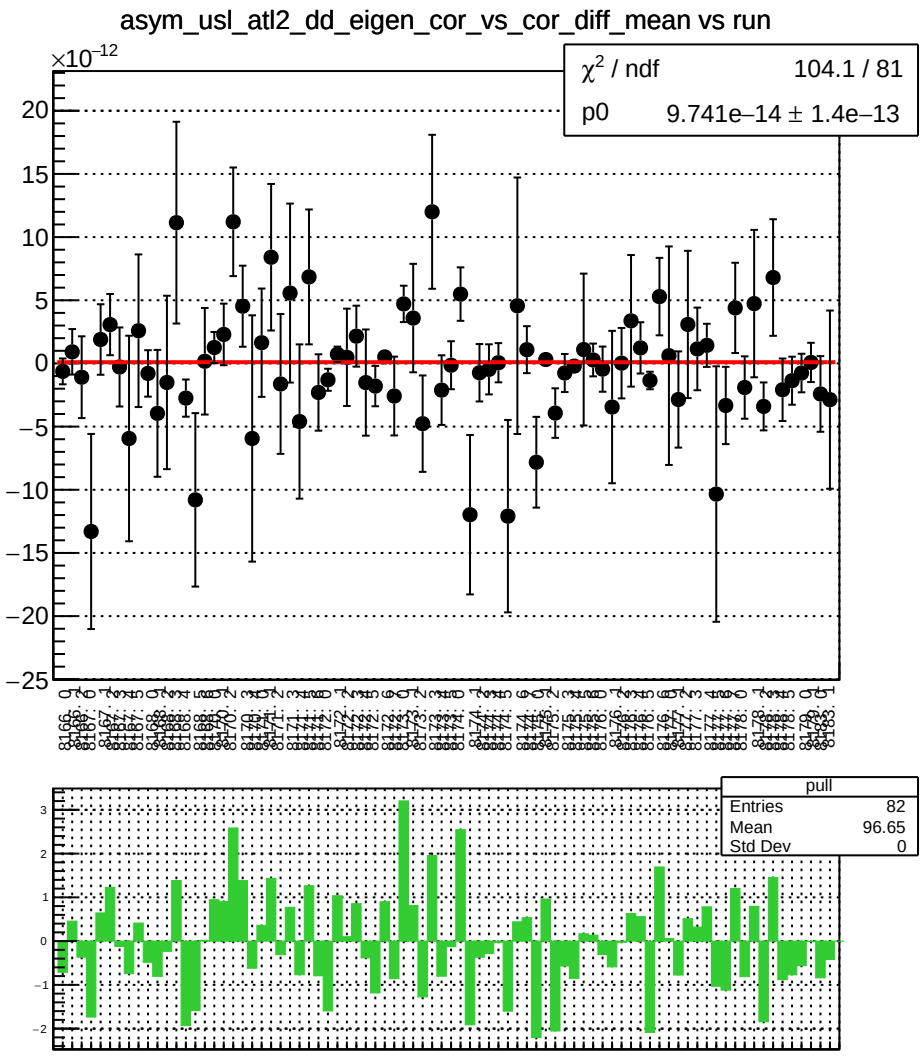

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 954.7 / 81
p0 0.0242 ± 1.924e−05
0.027
0.0265
0.026
0.0255
0.025
0.0245
0.024
0.0235
0.023
0.0225

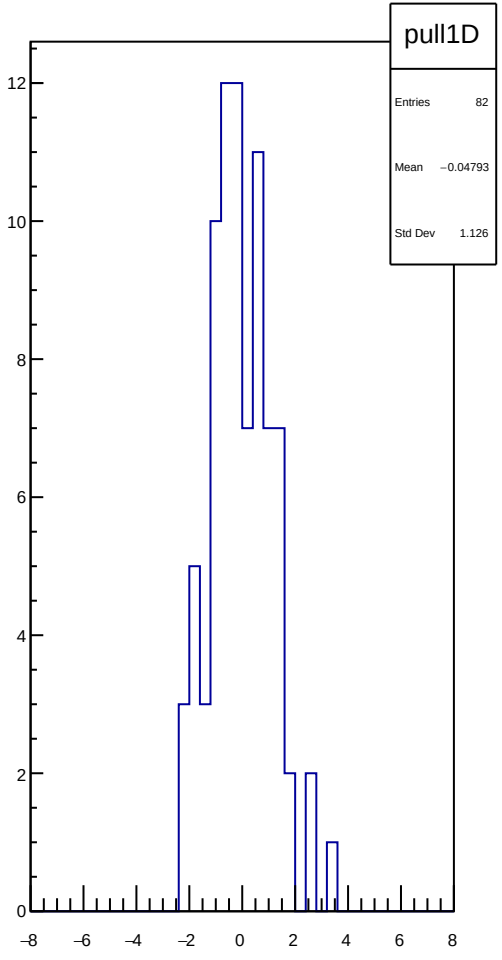

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.08 / 81
p0 −0.03162 ± 0.1362
pull
Entries 82
Mean −2.611
Std Dev 0
pull1D
Entries 82
Mean 0.02196
Std Dev 0.9941

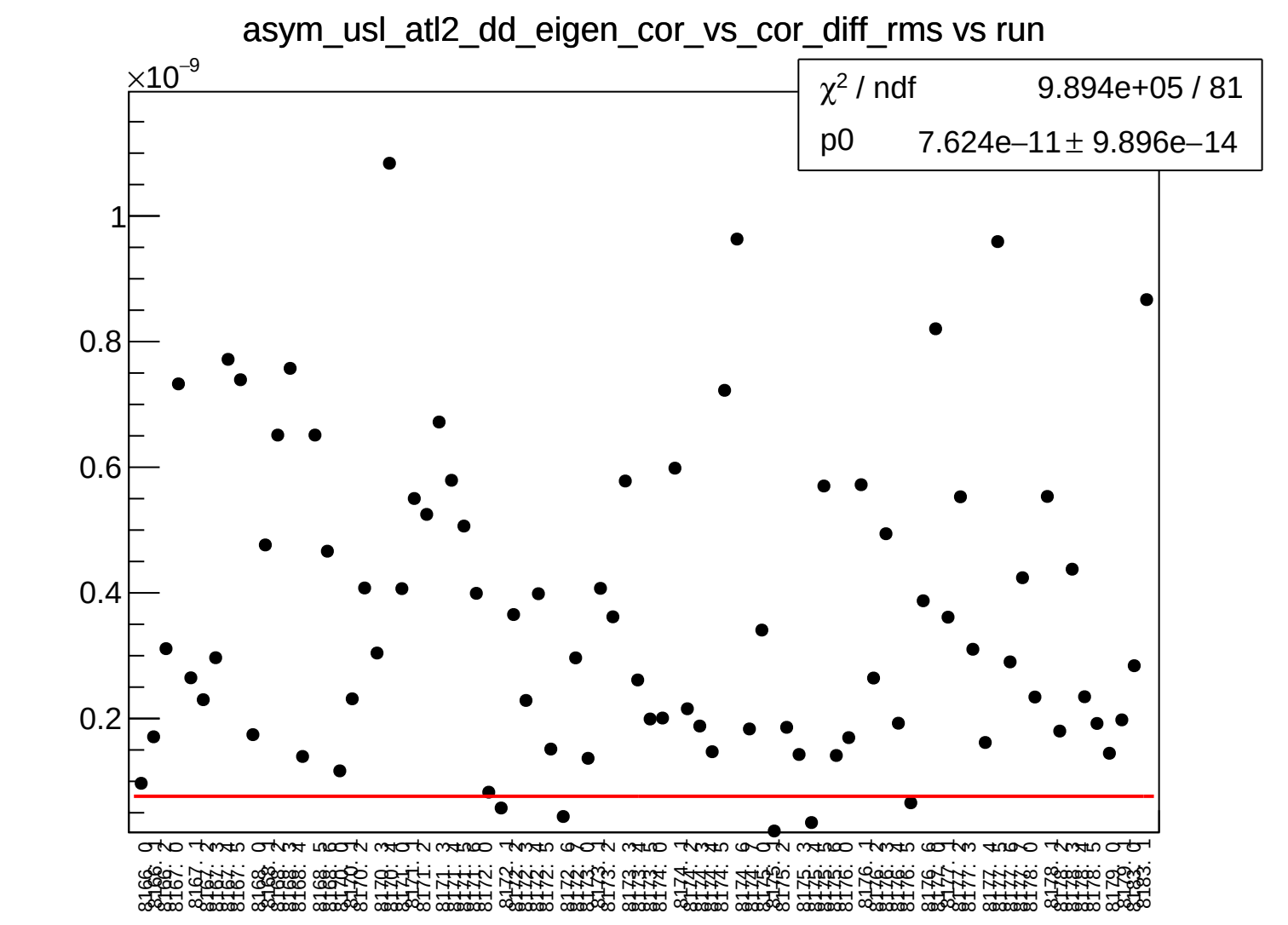

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.207e+04 / 81
p0 120.4 ± 0.09634
180
160
140
120
100
80

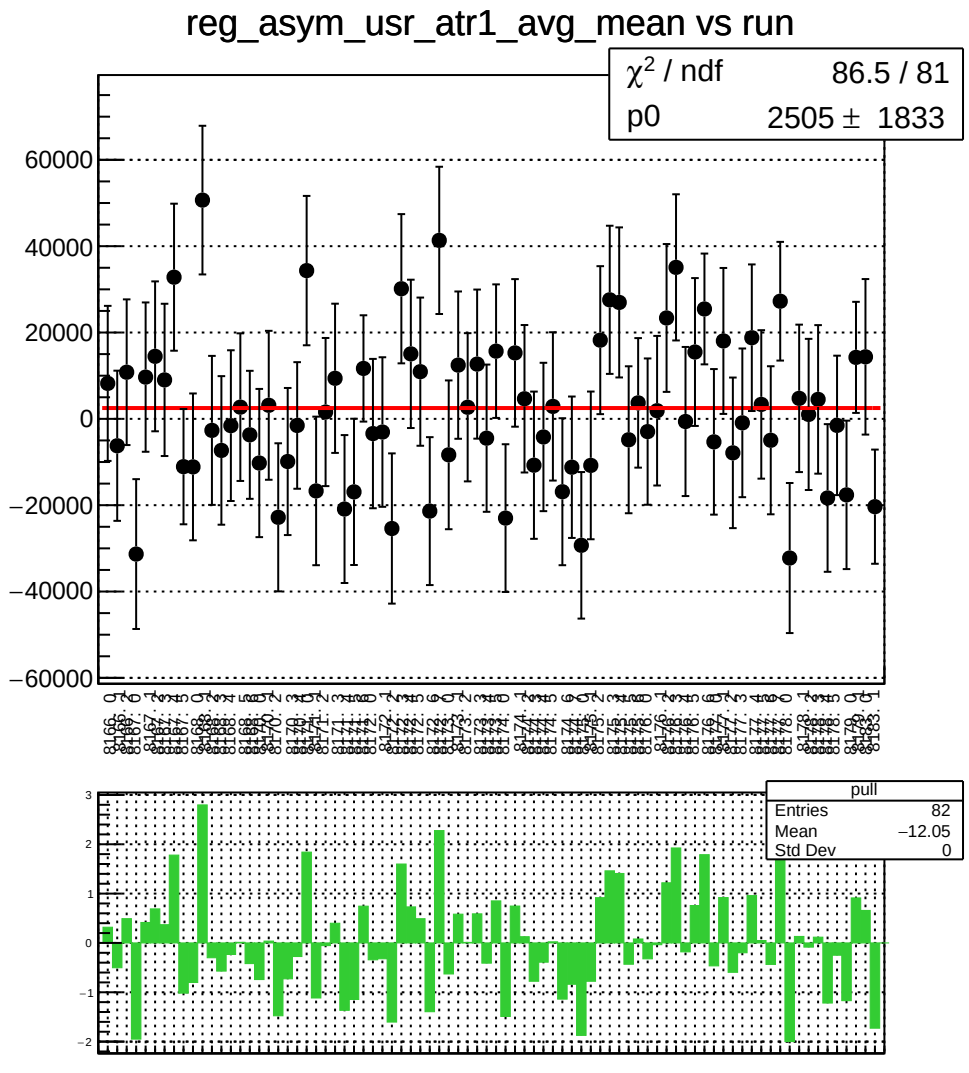

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.08 / 81
p0 −0.03162 ± 0.1362
pull
Entries 82
Mean −2.611
Std Dev 0
pull1D
Entries 82
Mean 0.02196
Std Dev 0.9941

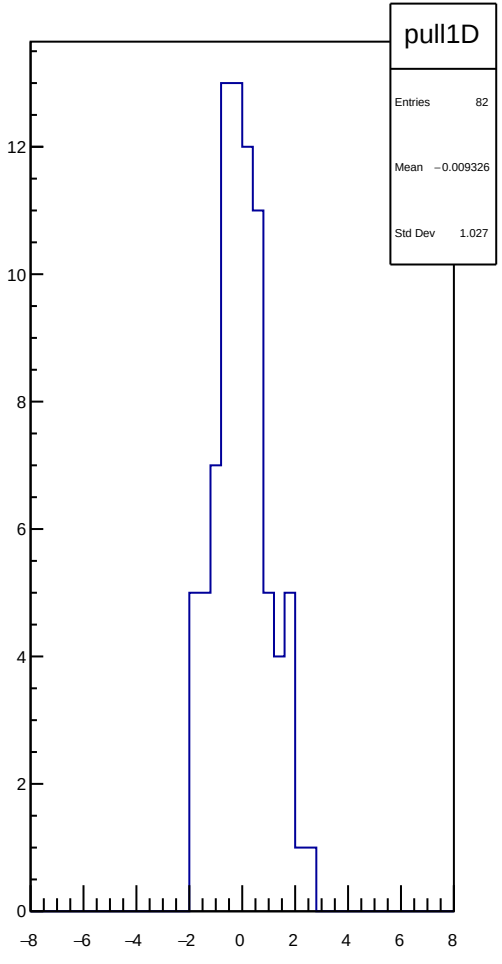

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.207e+04 / 81
p0 120.4 ± 0.09634
180
160
140
120
100
80

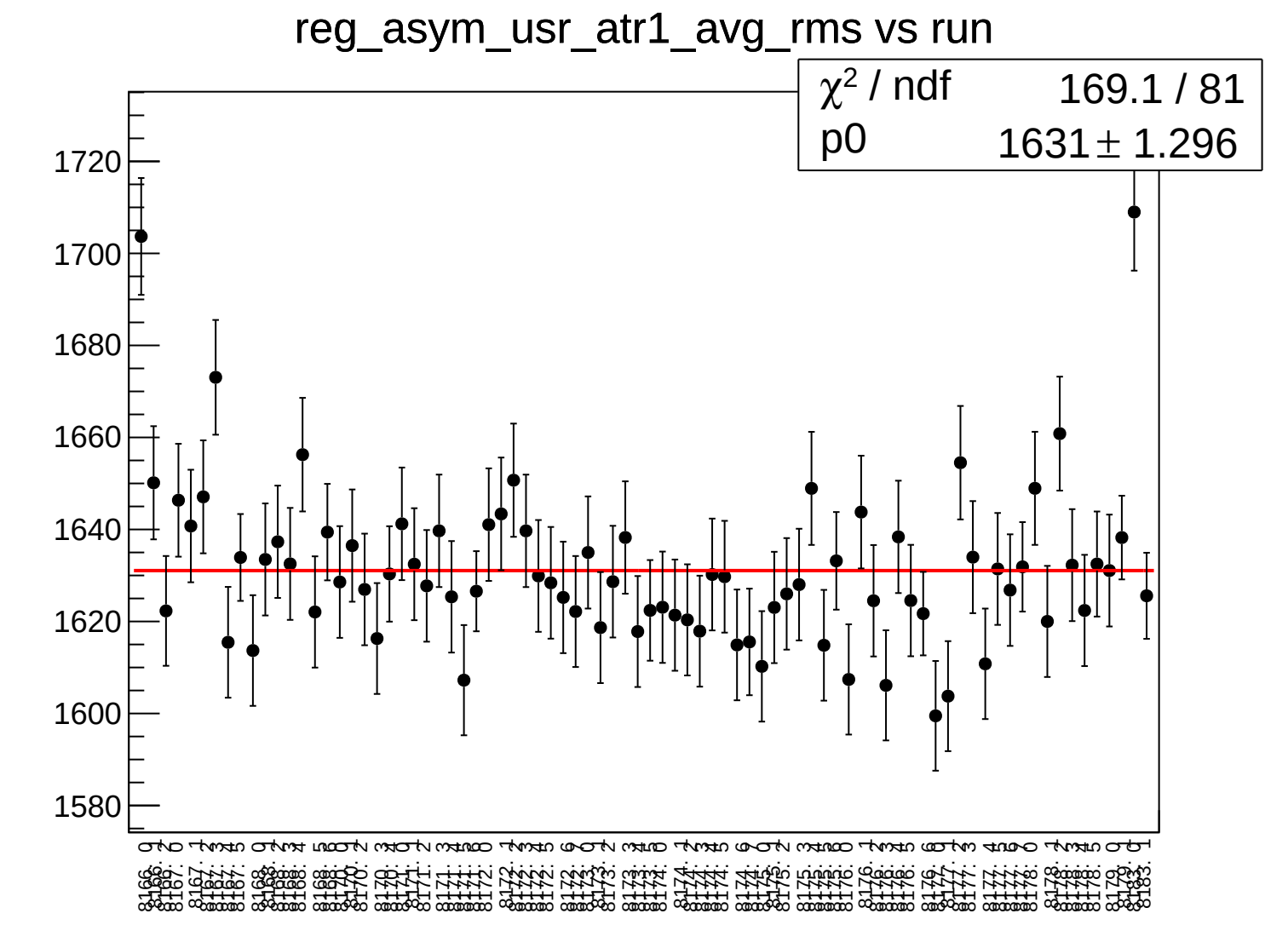

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 104.1 / 81
p0 9.741e−14 ± 1.4e−13
pull
Entries 82
Mean 96.65
Std Dev 0

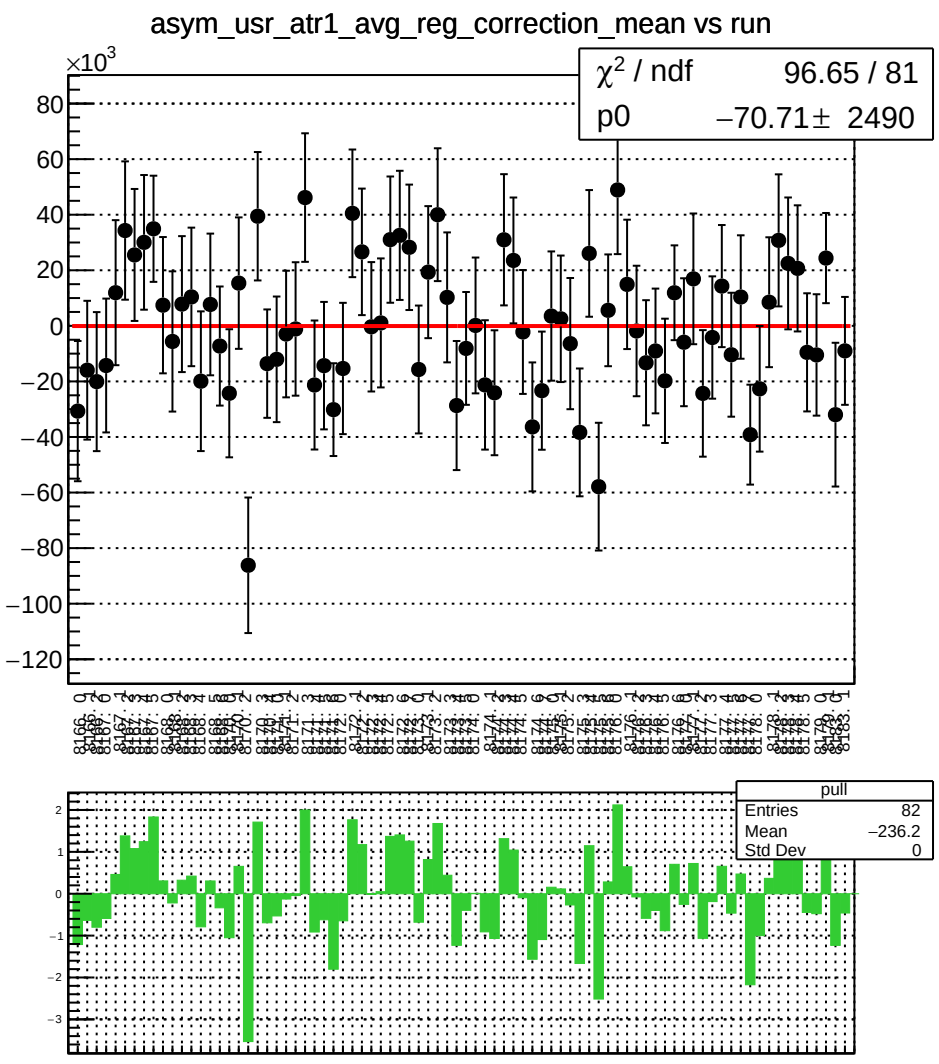

pull1D
Entries 82
Mean −0.04793
Std Dev 1.126

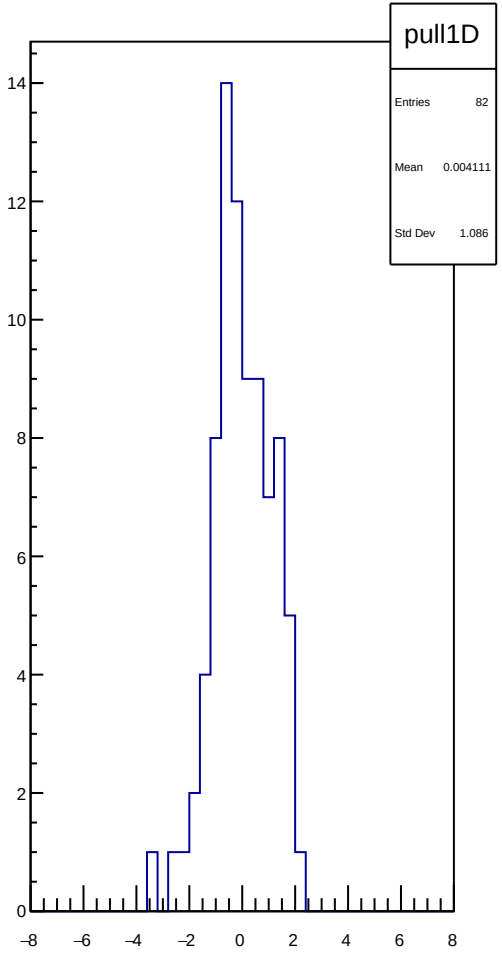

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.894e+05 / 81
p0 7.624e−11 ± 9.896e−14
1
0.8
0.6
0.4
0.2

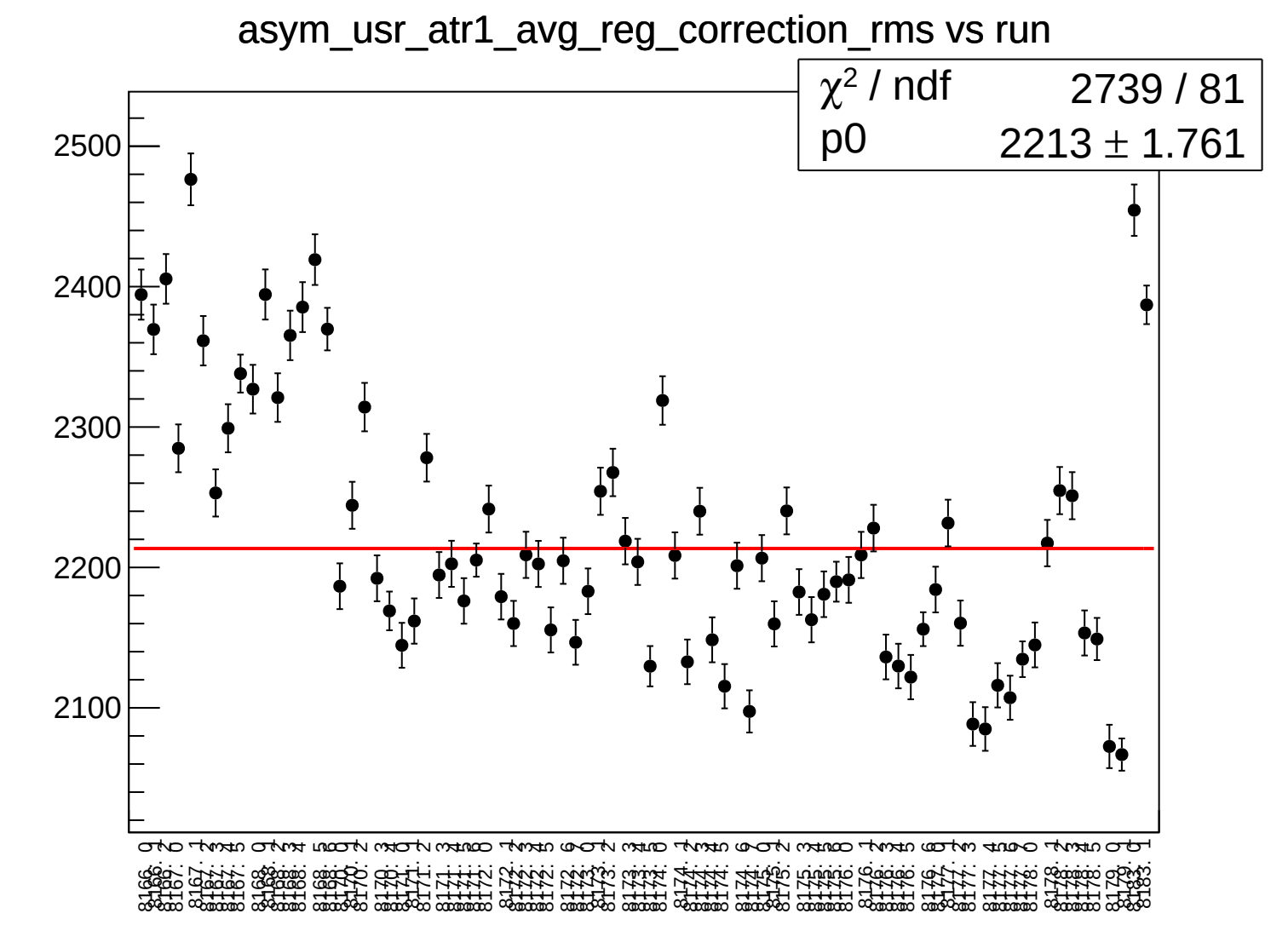

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.5 / 81
p0 2505 ± 1833
pull
Entries 82
Mean −12.05
Std Dev 0

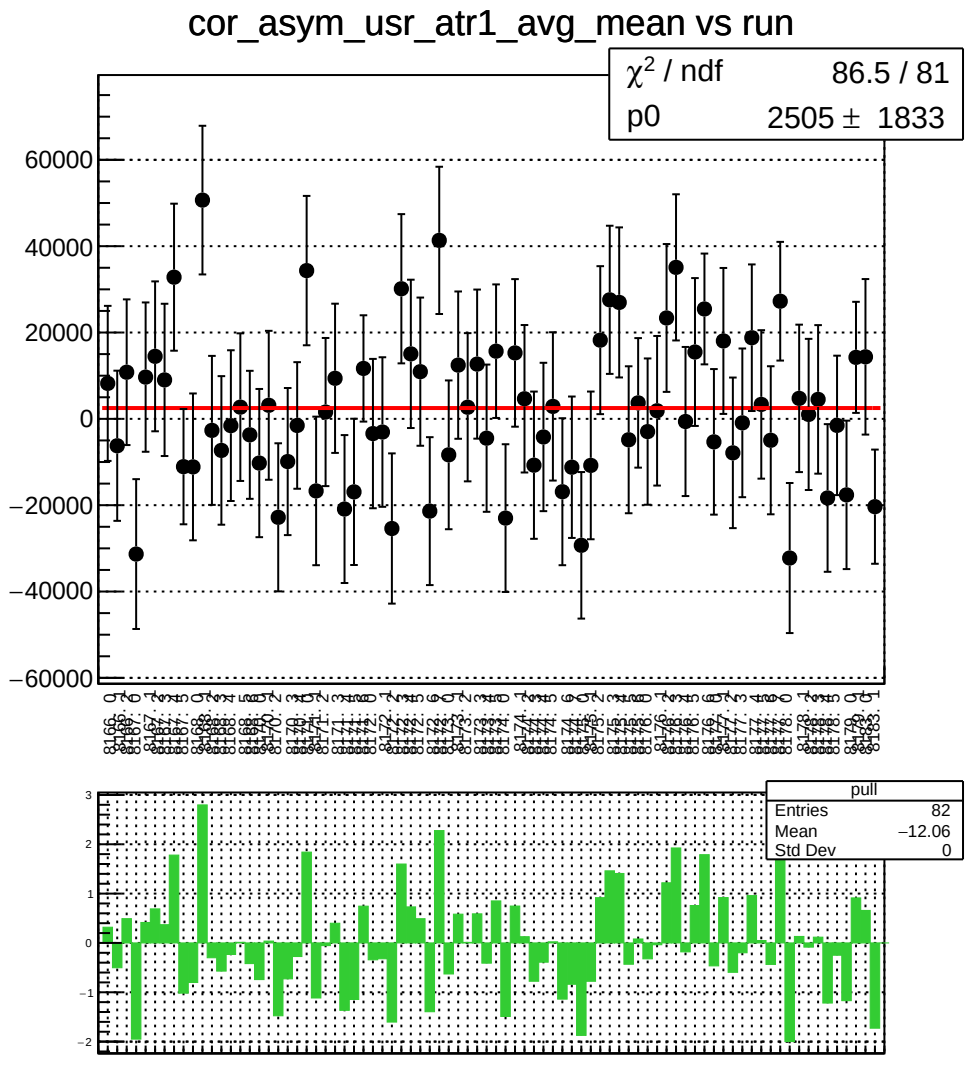

pull1D
Entries 82
Mean −0.009326
Std Dev 1.027

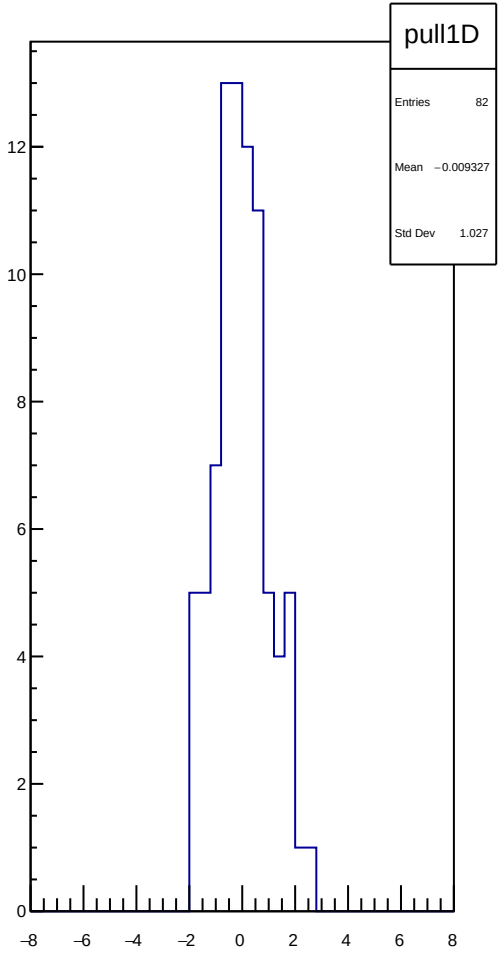

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 169.1 / 81
p0 1631 ± 1.296
1720
1700
1680
1660
1640
1620
1600
1580

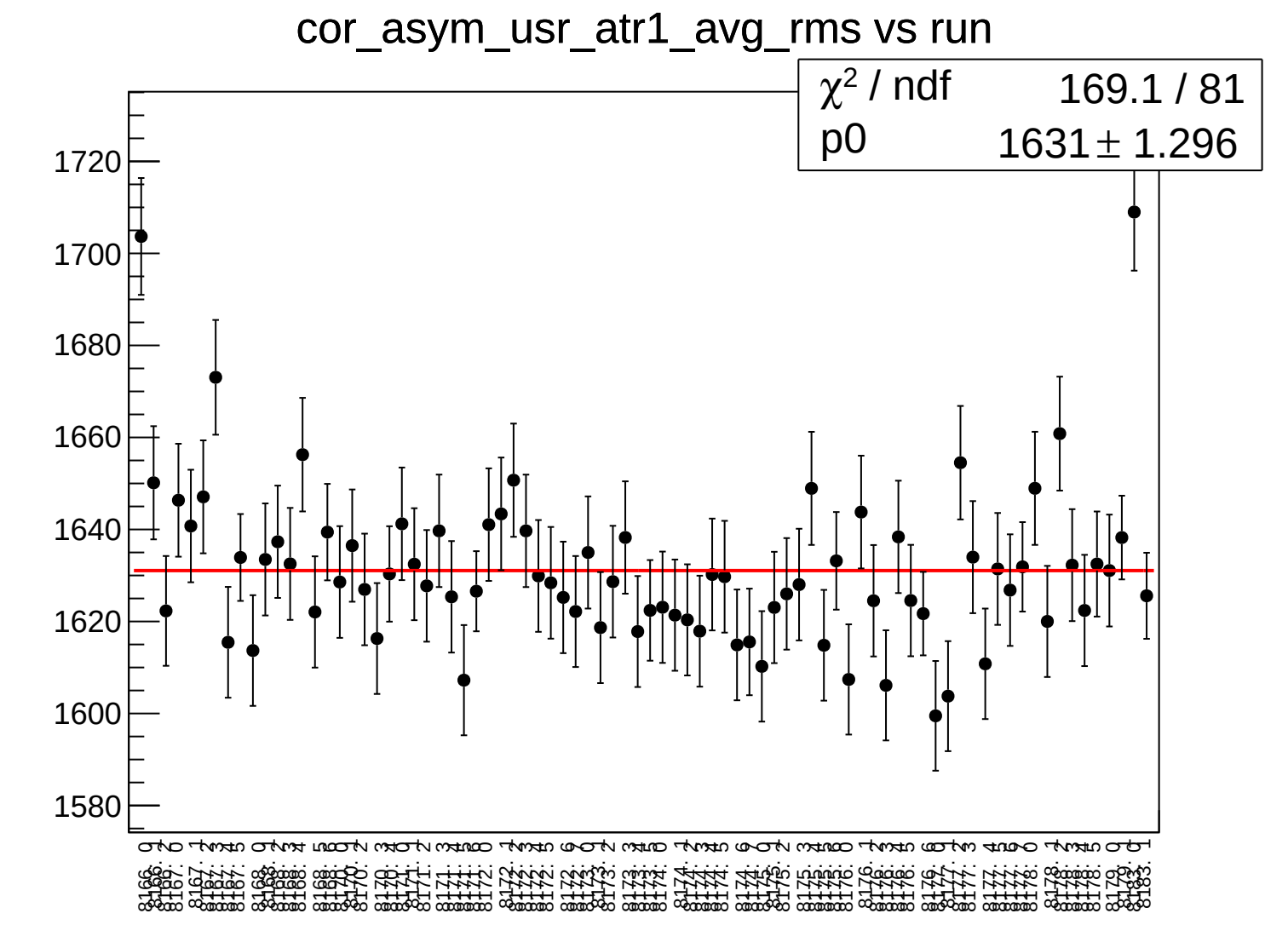

asym_usr_atr1_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 96.65 / 81
p0 −70.71± 2490
pull
Entries 82
Mean −236.2
Std Dev 0

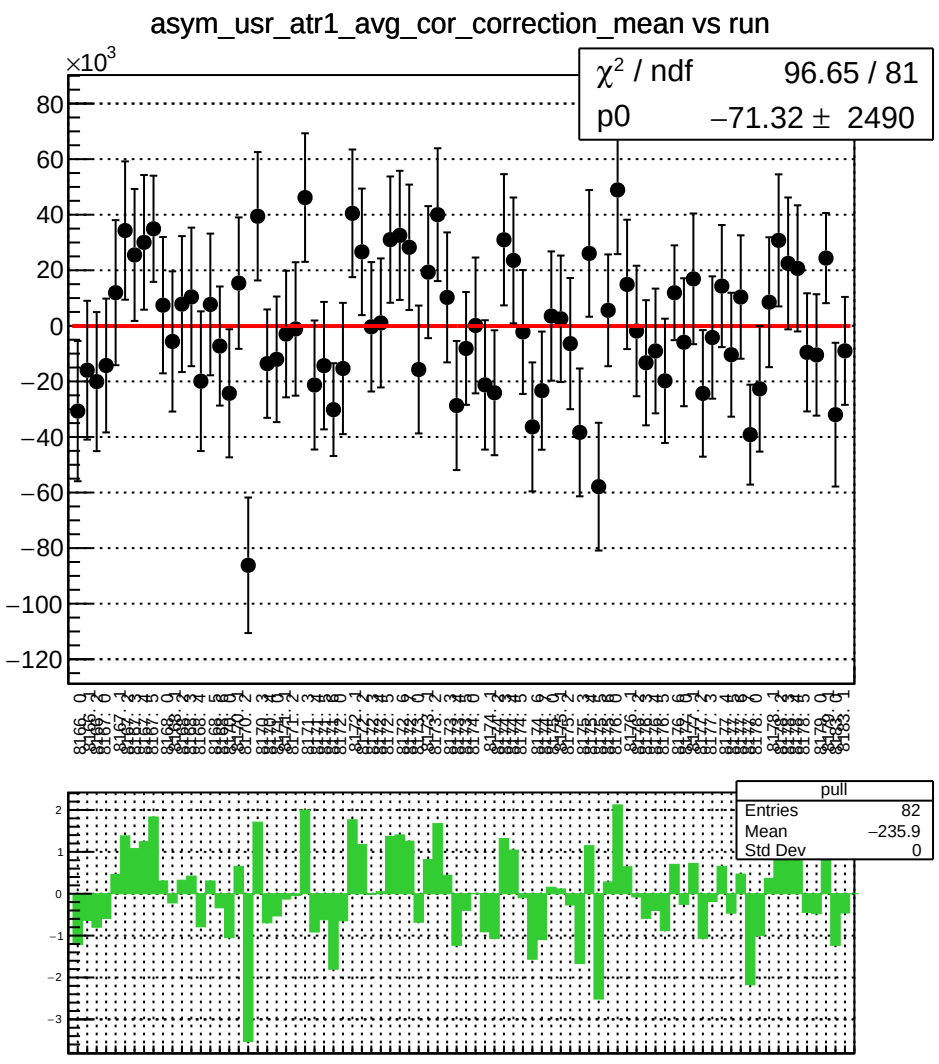

pull1D
Entries 82
Mean 0.004111
Std Dev 1.086

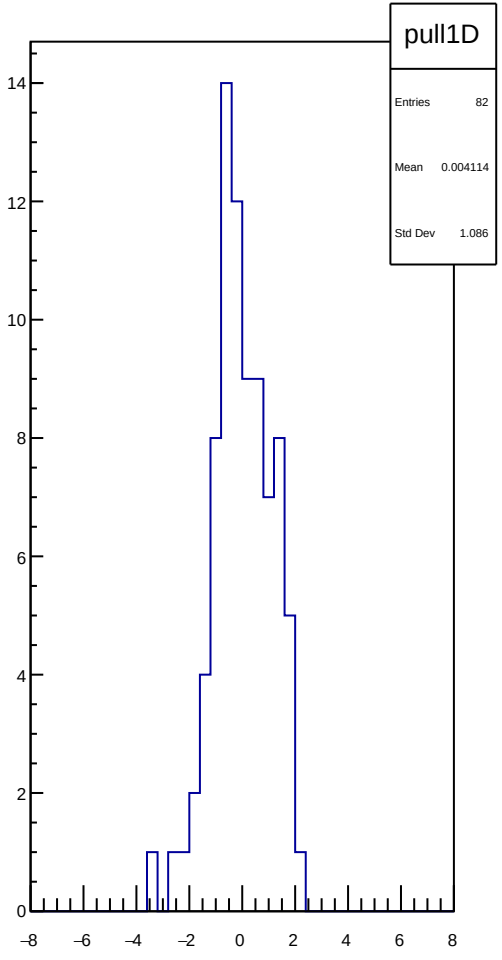

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 2739 / 81
p0 2213 ± 1.761
2500
2400
2300
2200
2100

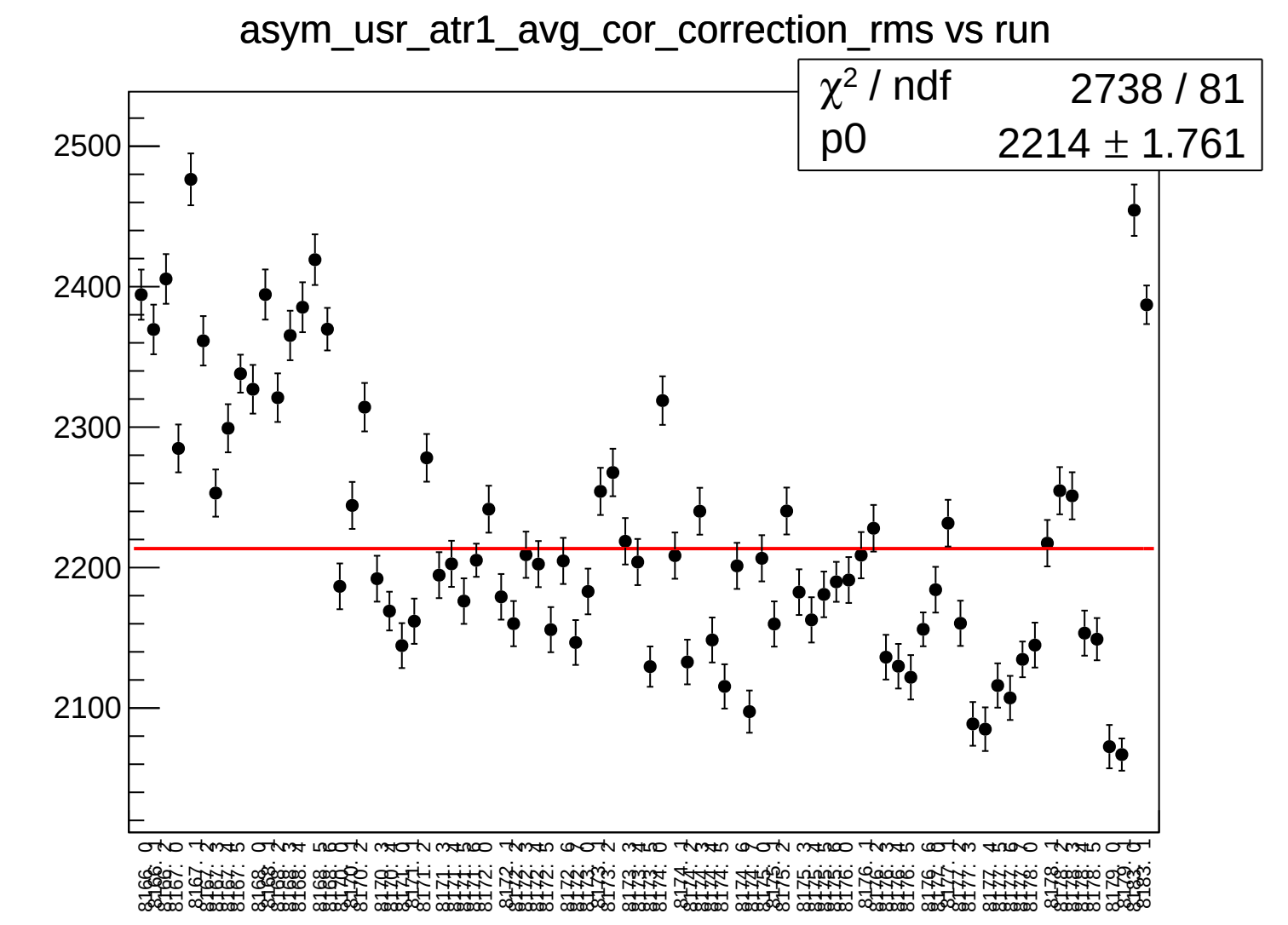

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.5 / 81
p0 2505 ± 1833
pull
Entries 82
Mean −12.06
Std Dev 0

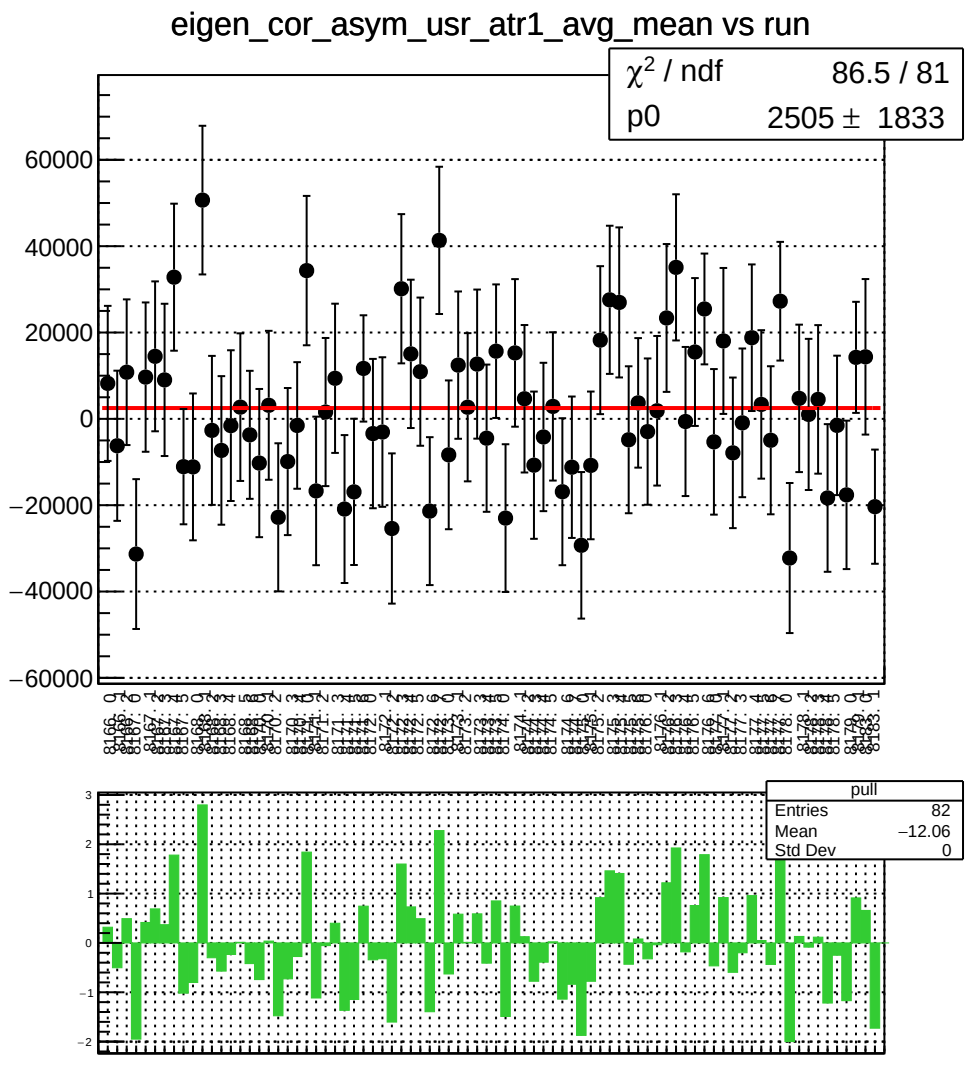

pull1D
Entries 82
Mean −0.009327
Std Dev 1.027

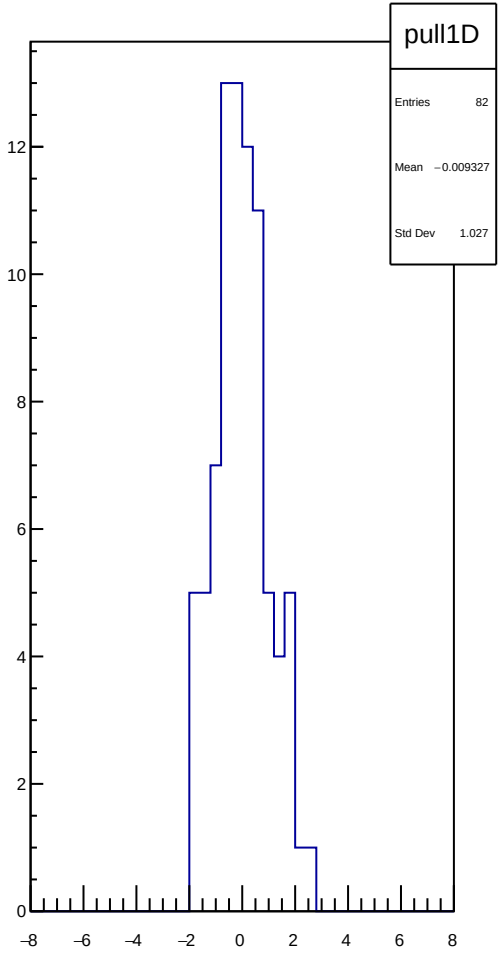

cor_asym_usr_atr1_avg_rms vs run
χ^2 / ndf 169.1 / 81
p0 1631 ± 1.296
1720
1700
1680
1660
1640
1620
1600
1580

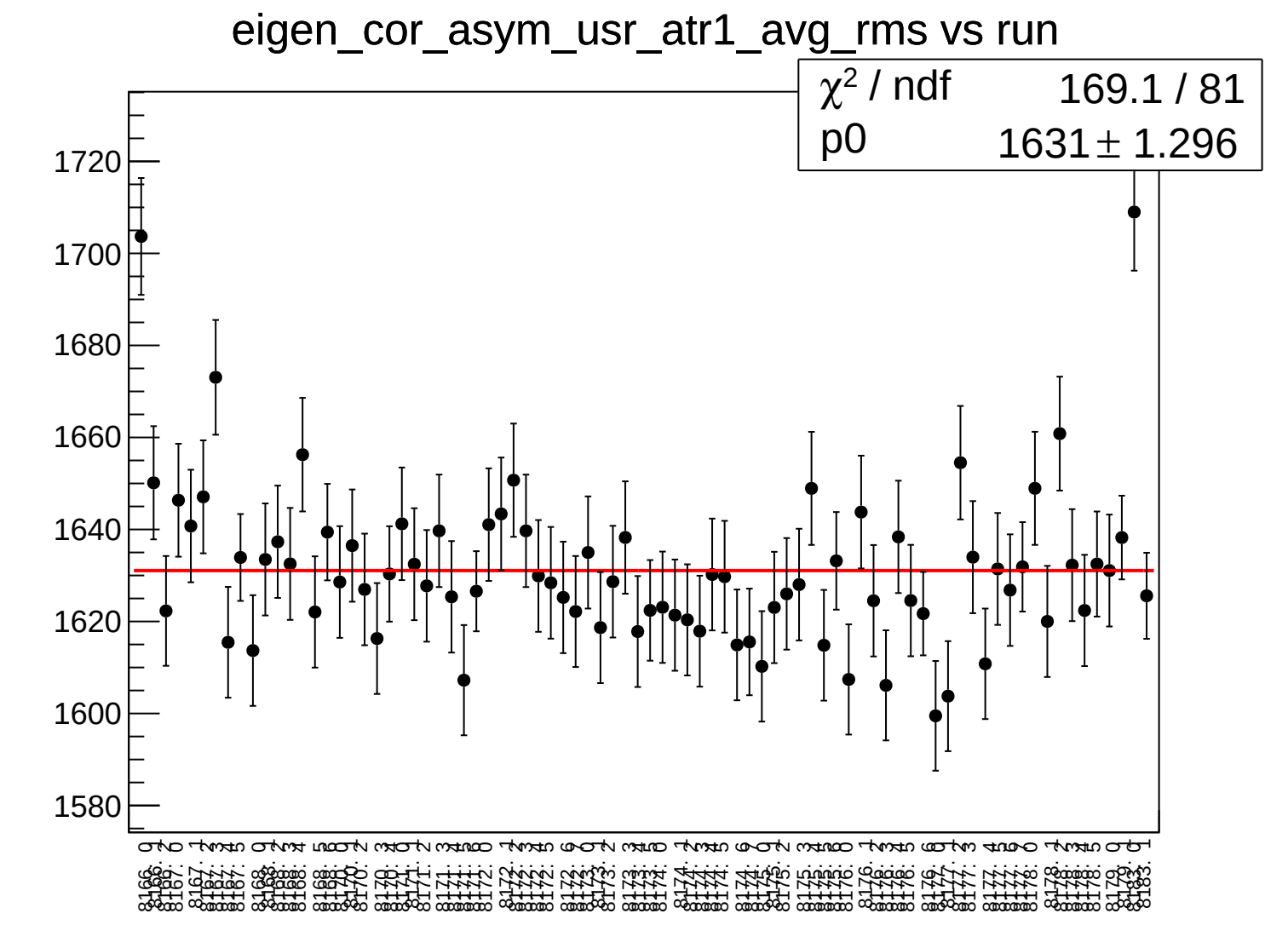

asym_usr_atr1_avg_cor_correction_mean vs run
×10^3
χ² / ndf 96.65 / 81
p0 −71.32 ± 2490
pull
Entries 82
Mean −235.9
Std Dev 0

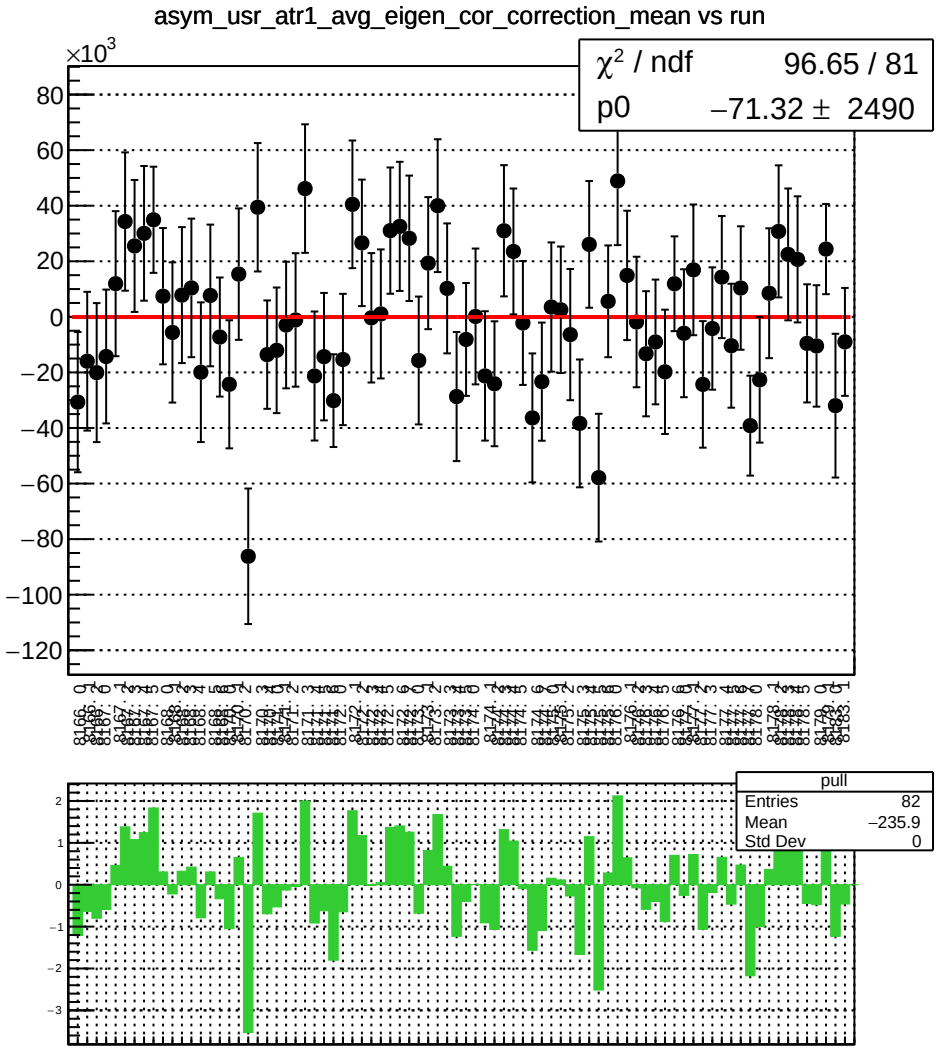

pull1D
Entries 82
Mean 0.004114
Std Dev 1.086

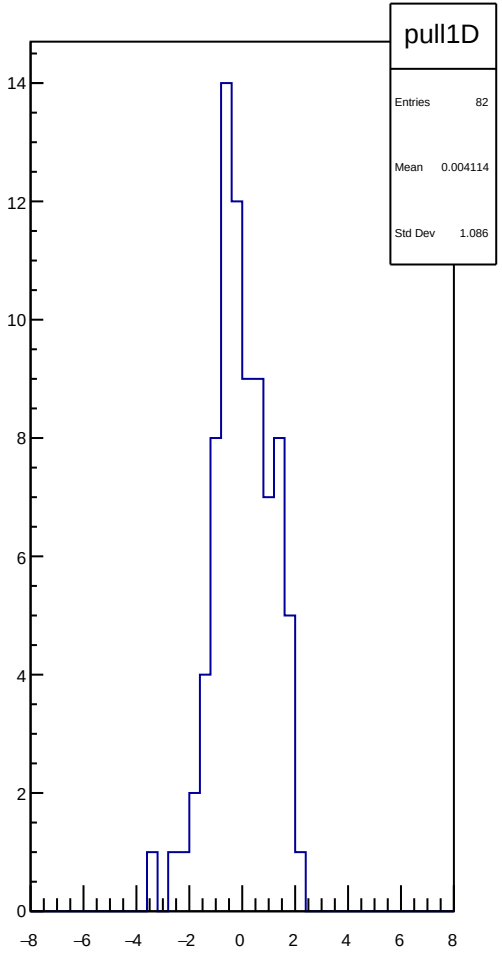

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 2738 / 81
p0 2214 ± 1.761
2500
2400
2300
2200
2100

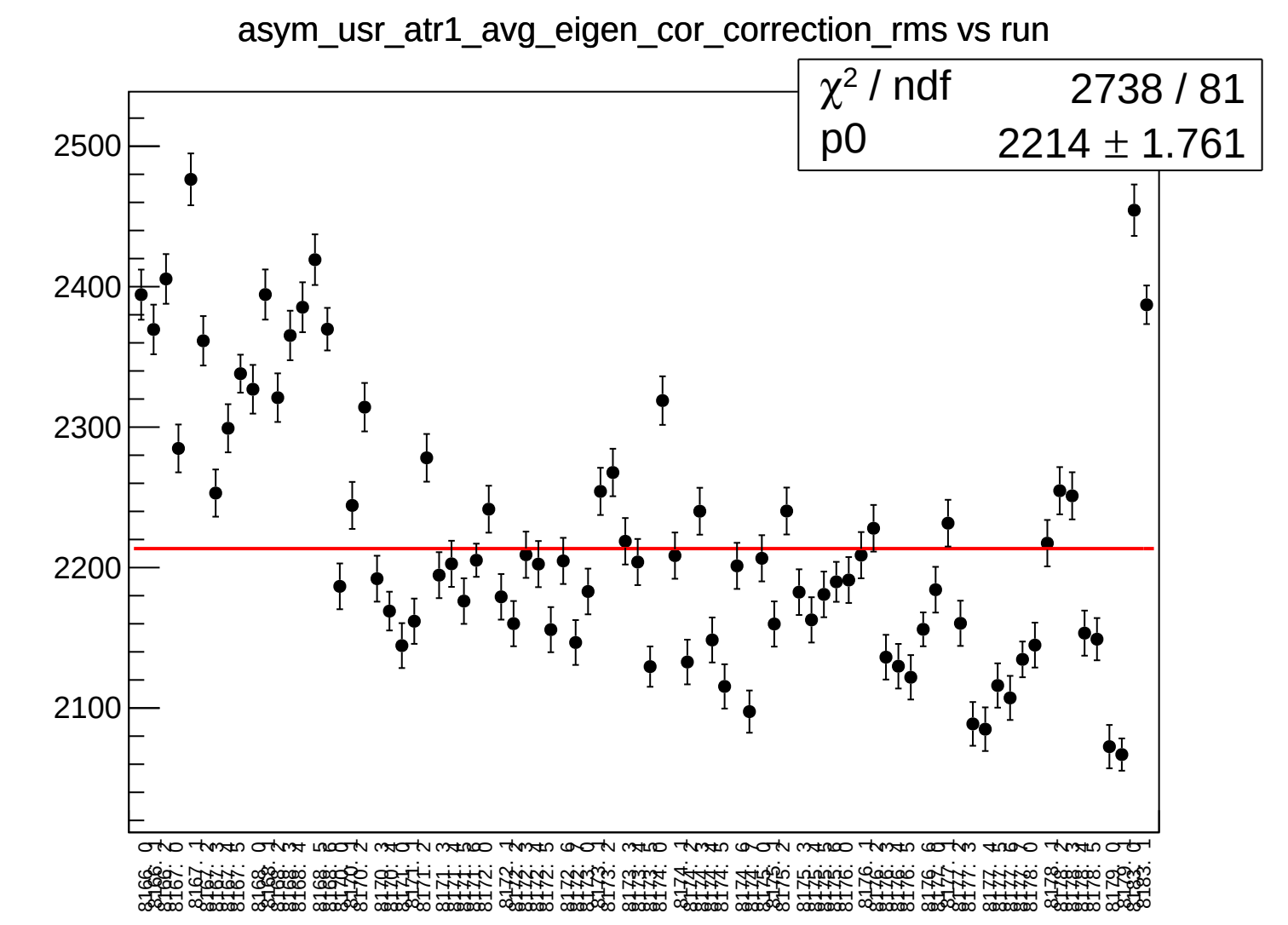

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 86.5 / 81
p0 2505 ± 1833
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −12.06
Std Dev 0
3
2
1
0
−1
−2

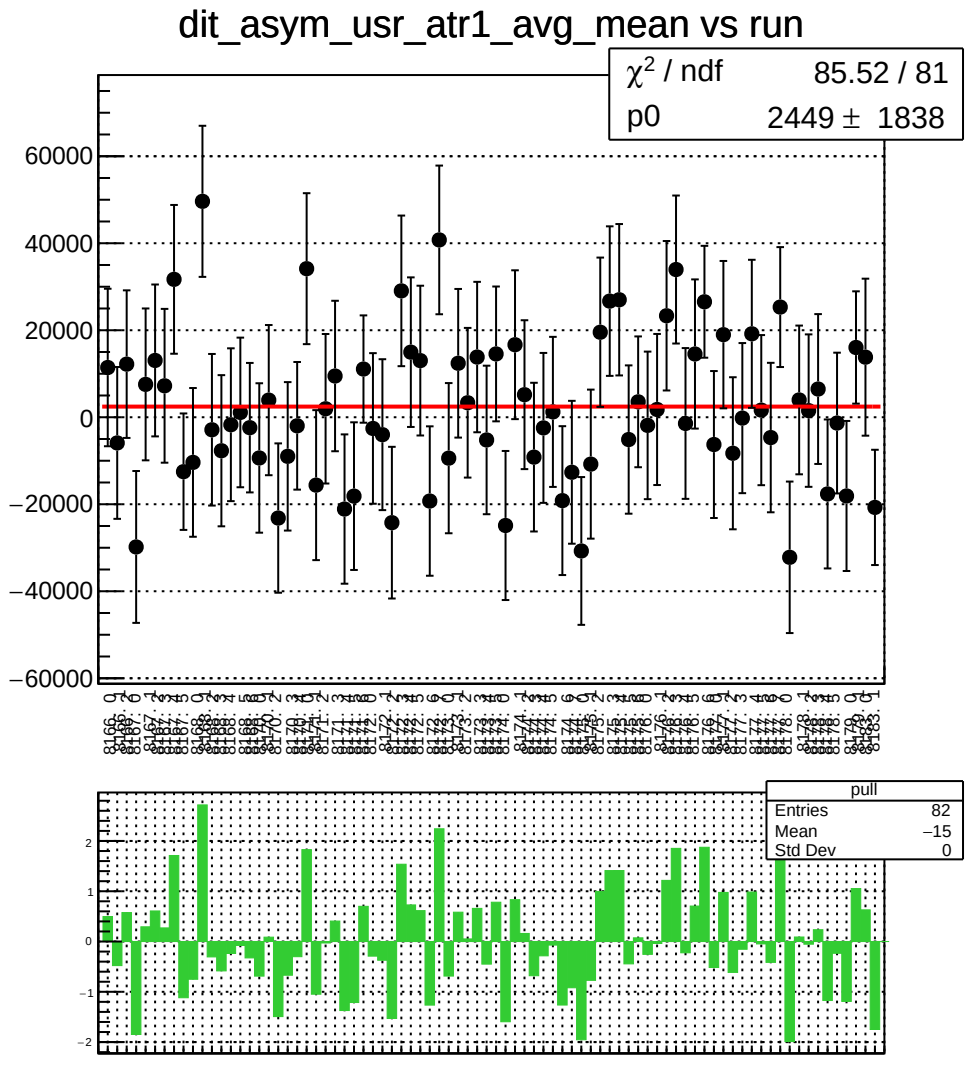

pull1D
Entries 82
Mean −0.009327
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

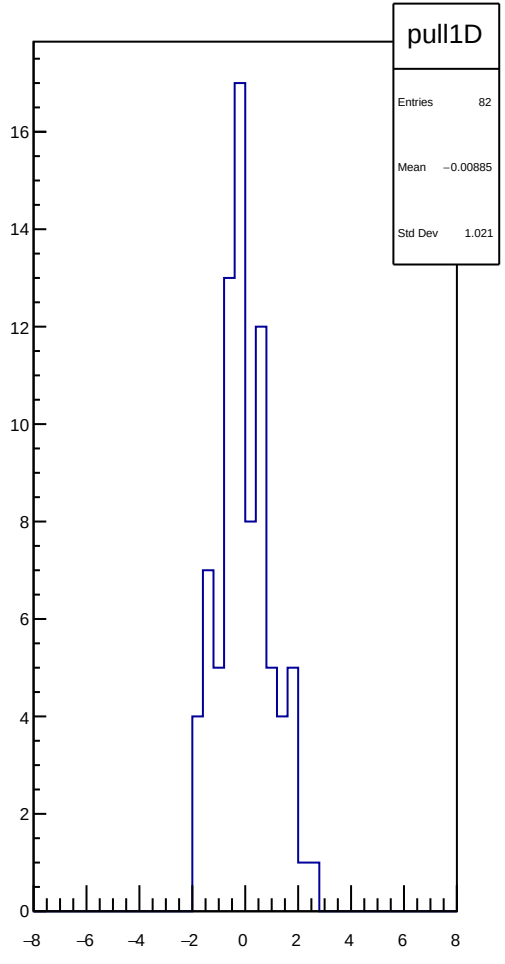

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 169.1 / 81
p0 1631 ± 1.296
1720
1700
1680
1660
1640
1620
1600
1580

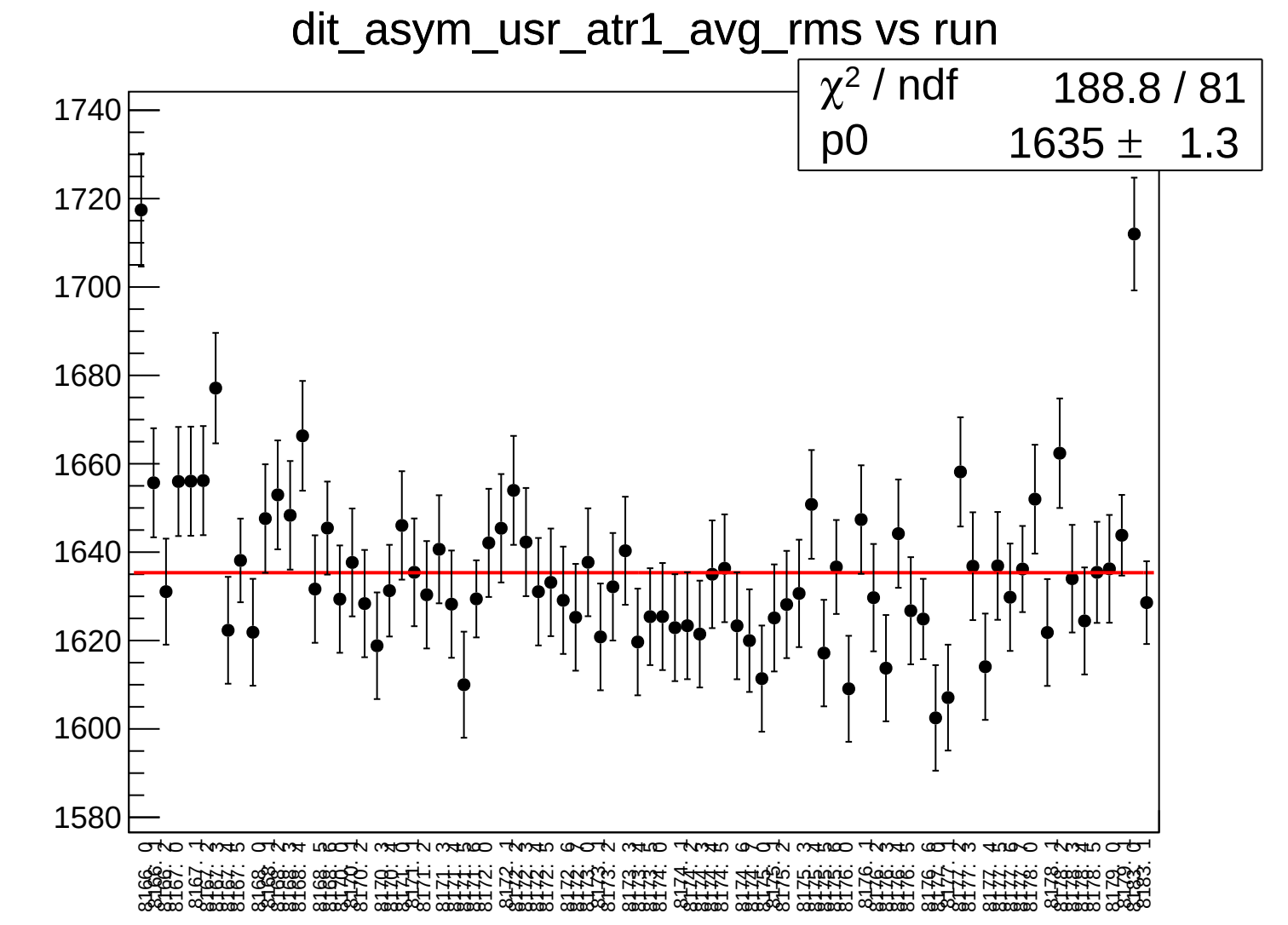

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 96.65 / 81
p0 −71.32 ± 2490
pull
Entries 82
Mean −235.9
Std Dev 0

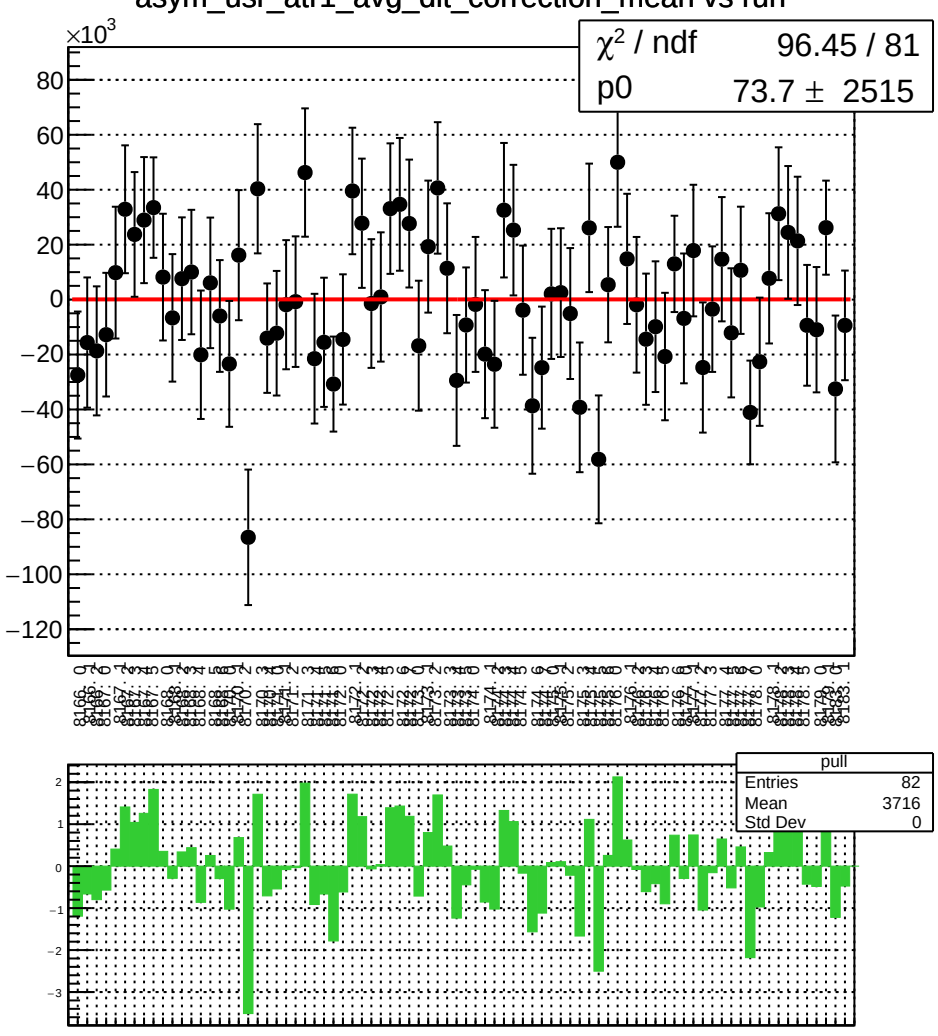

pull1D
Entries 82
Mean 0.004114
Std Dev 1.086

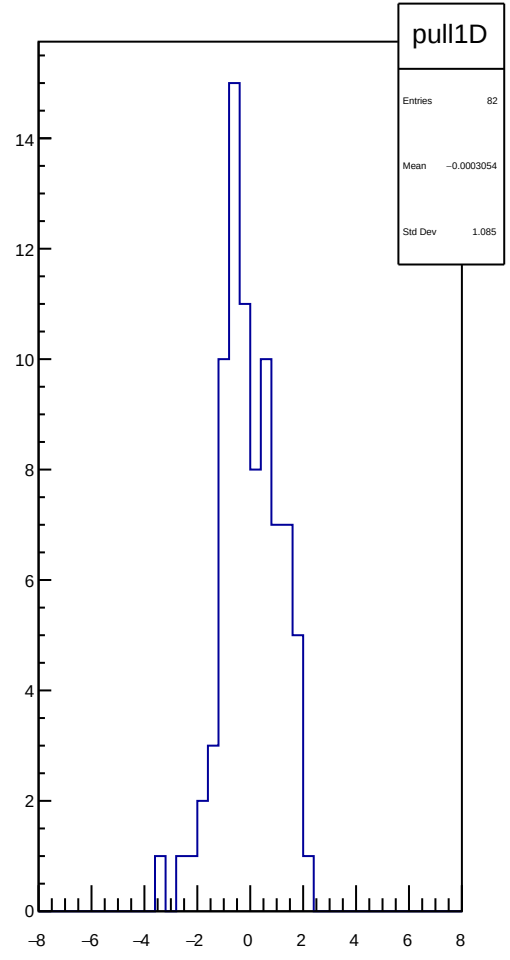

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2738 / 81
p0 2214 ± 1.761
2500
2400
2300
2200
2100

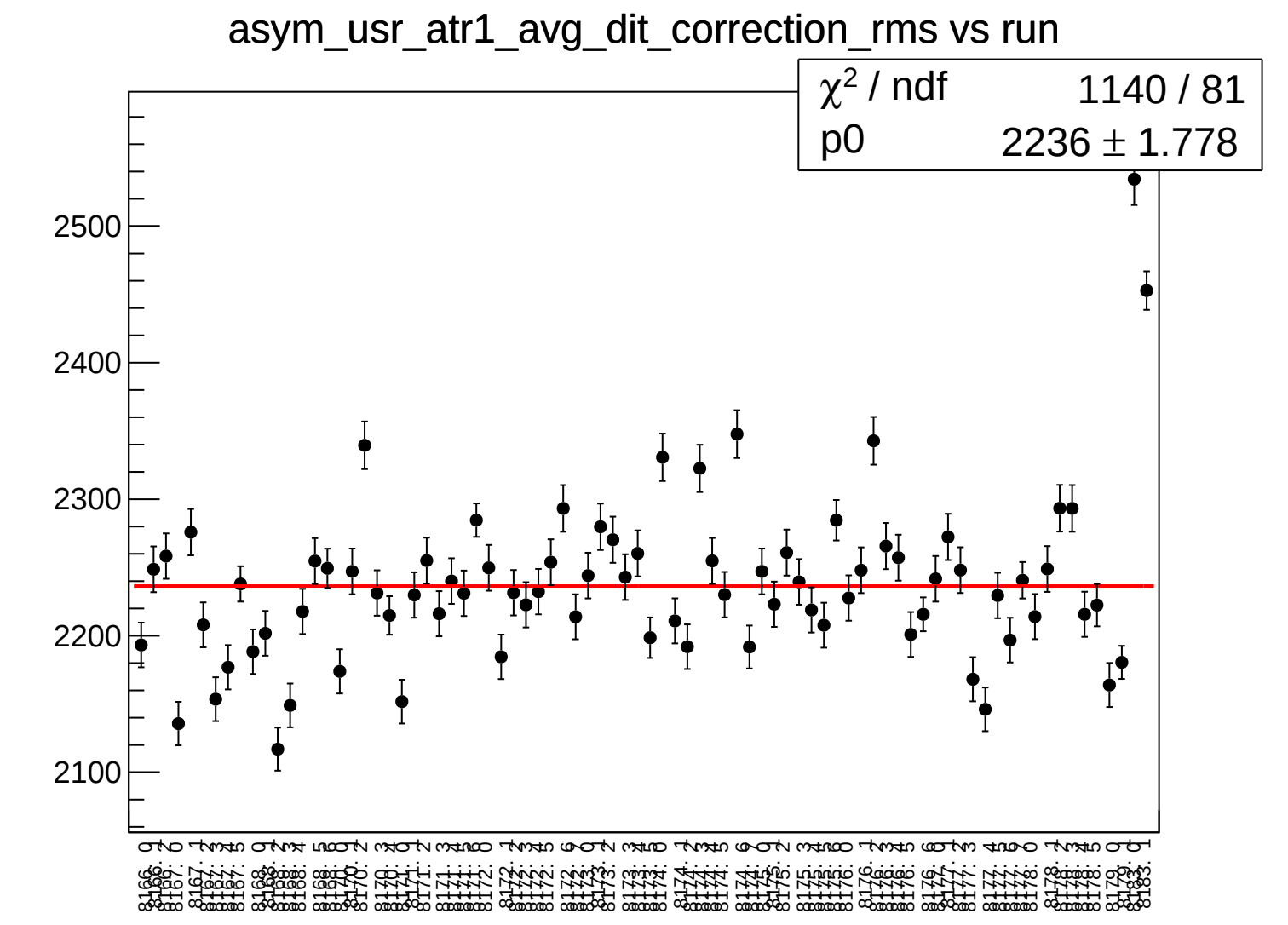

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 85.52 / 81
p0 2449 ± 1838
pull
Entries 82
Mean −15
Std Dev 0

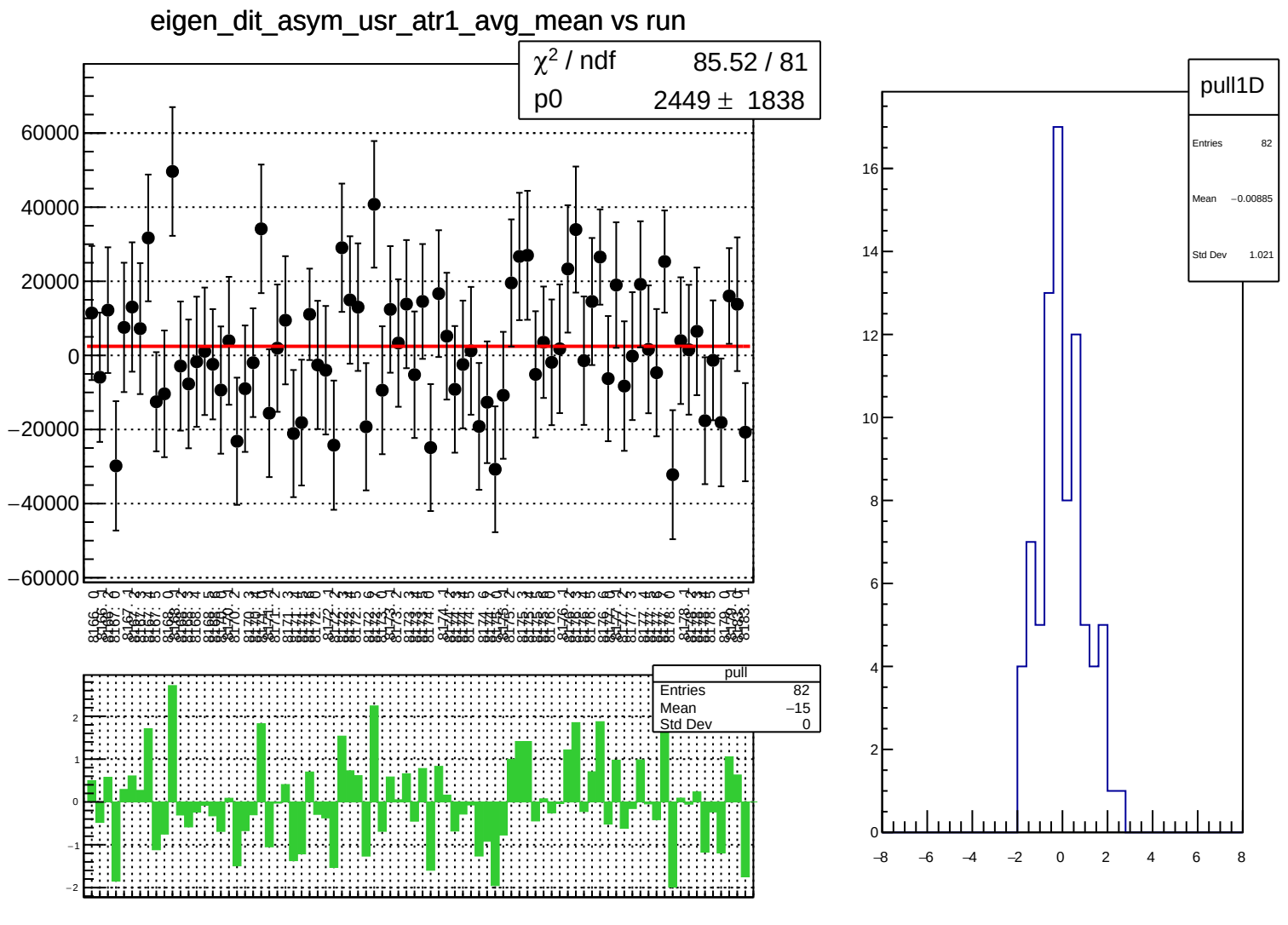

pull1D
Entries 82
Mean −0.00885
Std Dev 1.021

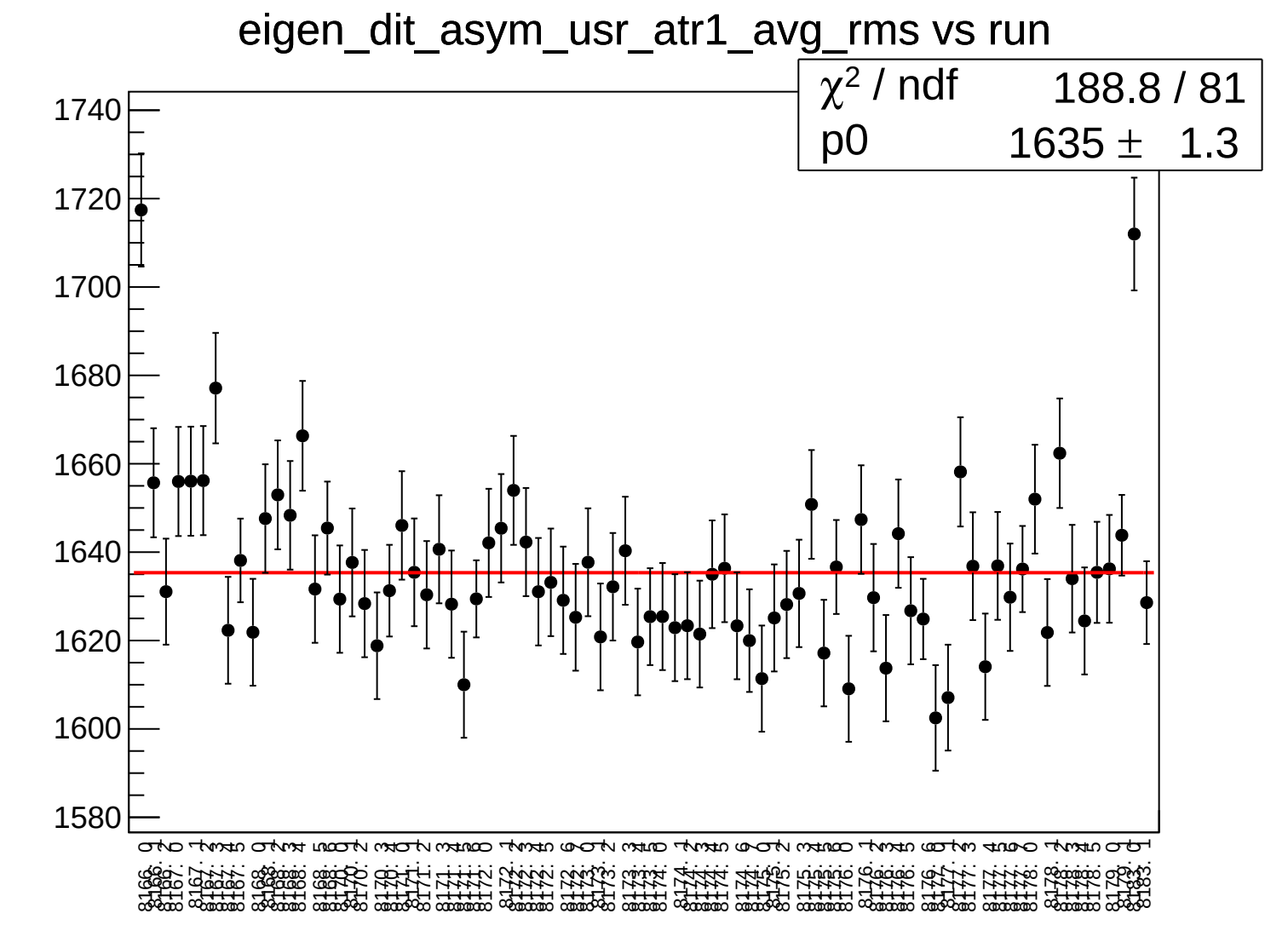

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 188.8 / 81
p0 1635 ± 1.3
1740
1720
1700
1680
1660
1640
1620
1600
1580

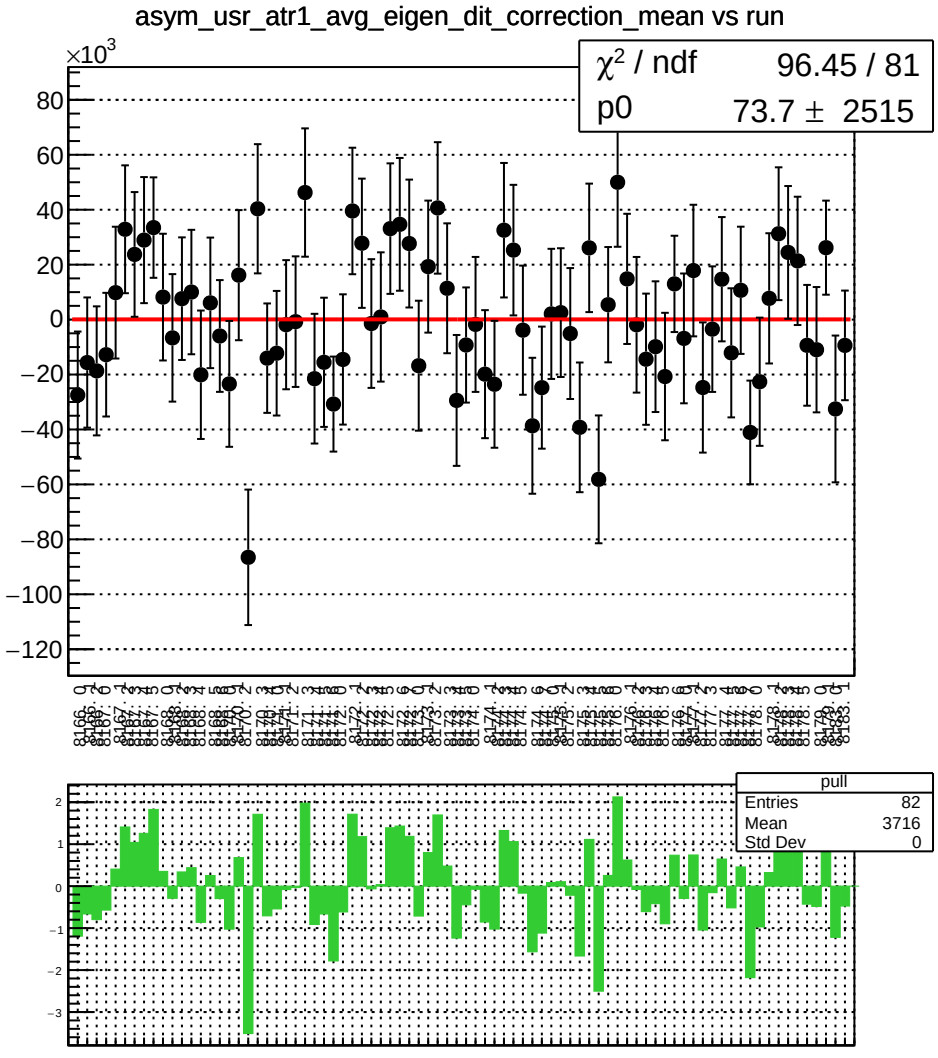

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 96.45 / 81
p0 73.7 ± 2515
pull
Entries 82
Mean 3716
Std Dev 0

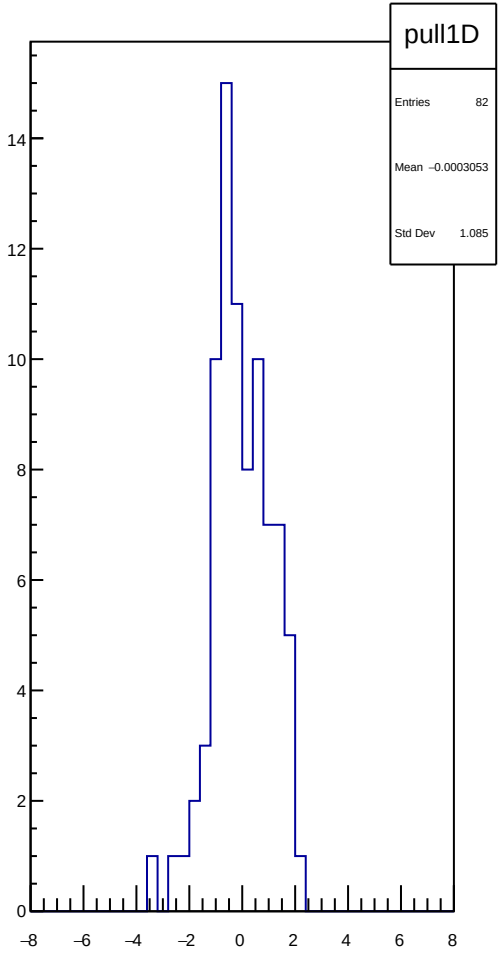

pull1D
Entries 82
Mean −0.0003054
Std Dev 1.085

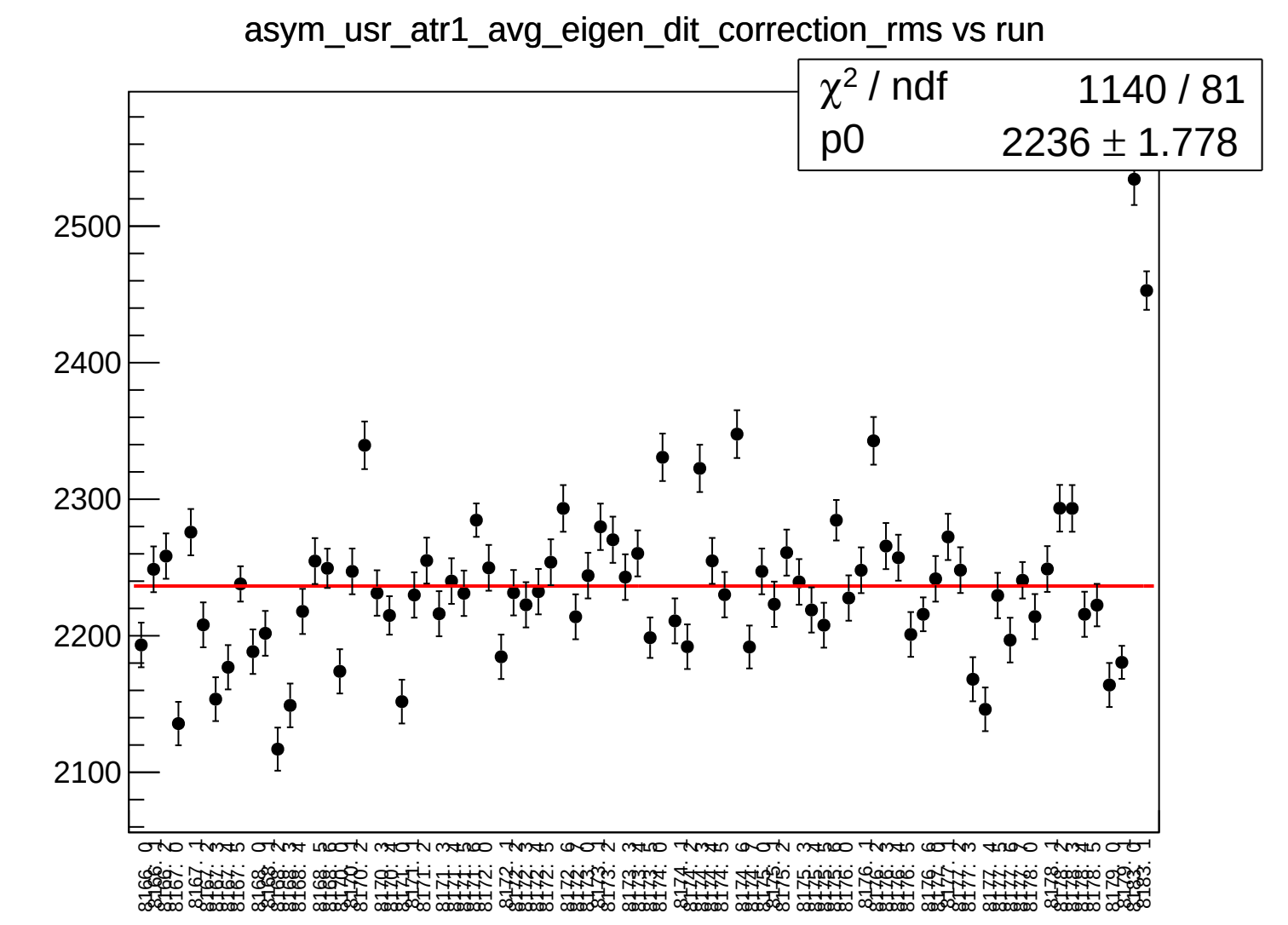

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 1140 / 81
p0 2236 ± 1.778
2500
2400
2300
2200
2100

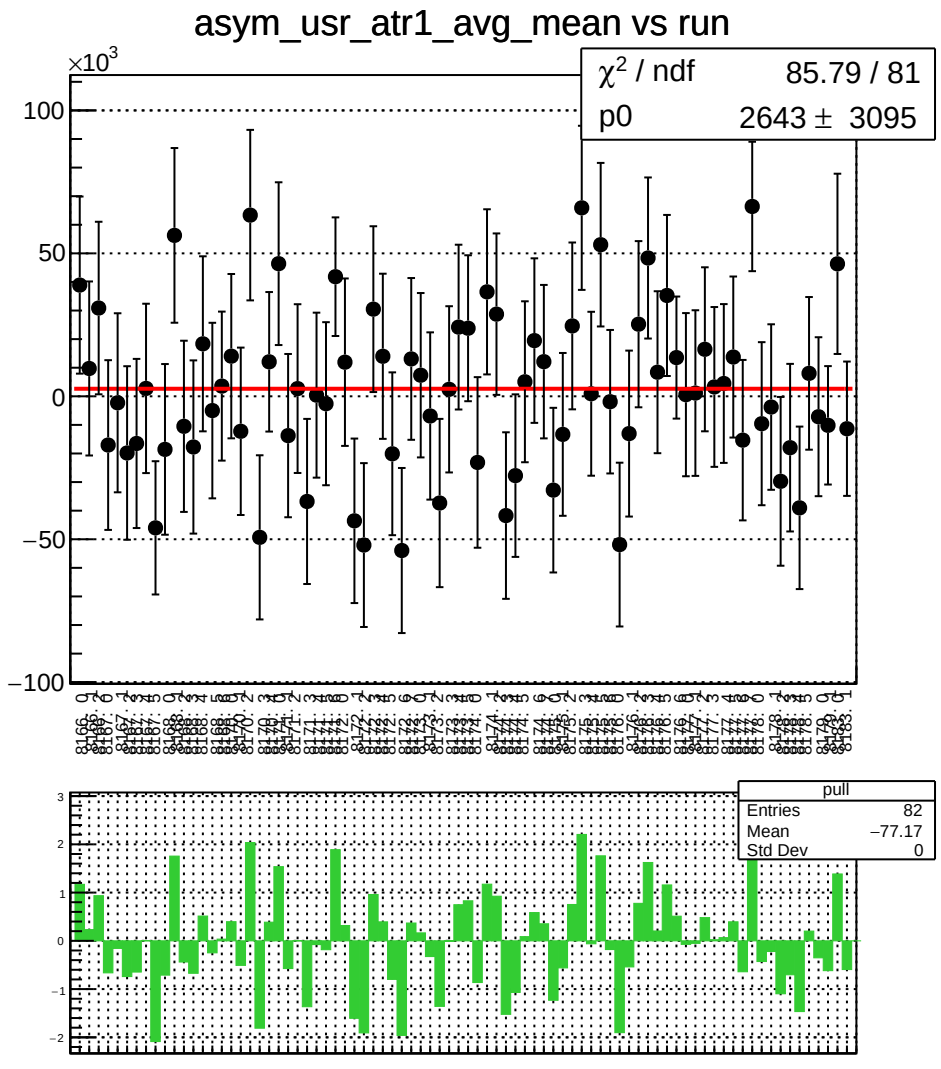

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 85.52 / 81
p0 2449 ± 1838
pull
Entries 82
Mean −15
Std Dev 0
pull1D
Entries 82
Mean −0.00885
Std Dev 1.021

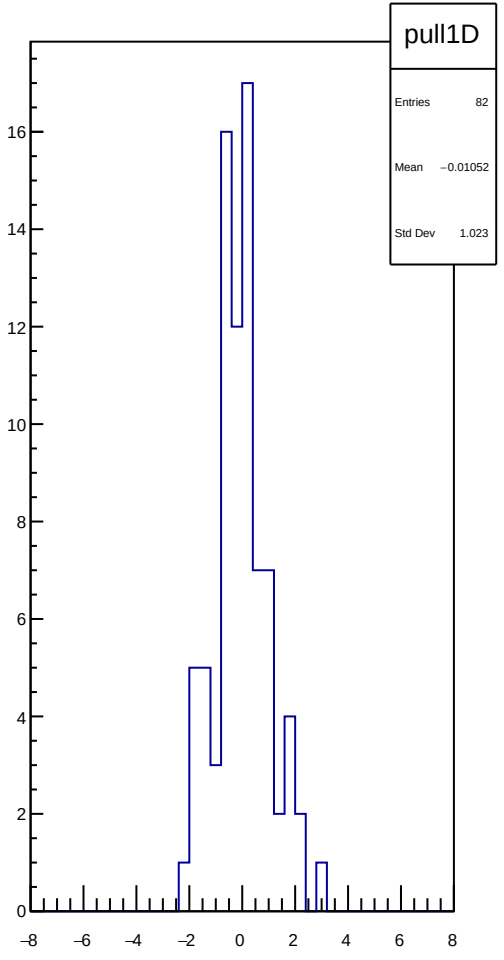

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 188.8 / 81
p0 1635 ± 1.3
1740
1720
1700
1680
1660
1640
1620
1600
1580

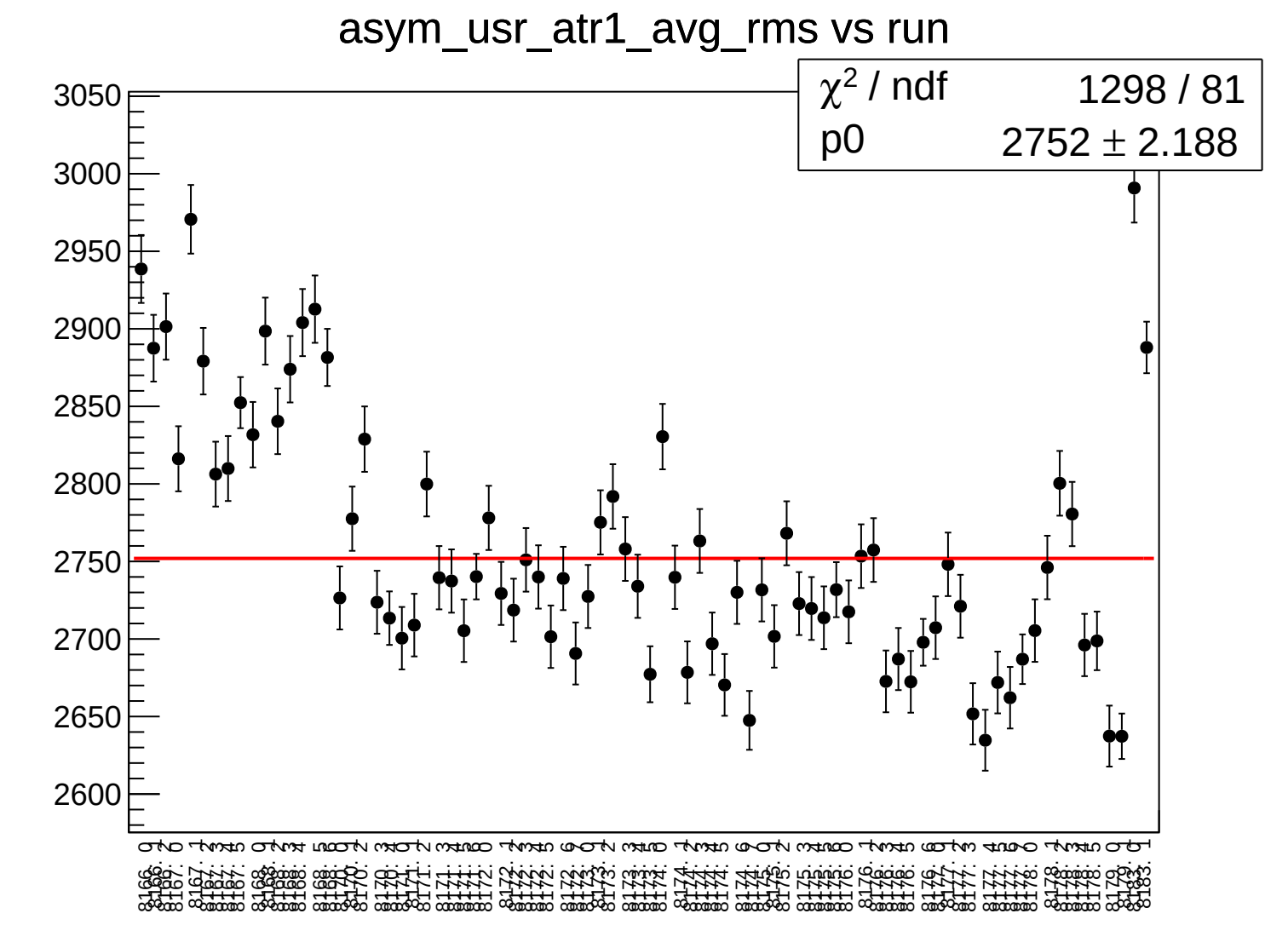

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.45 / 81
p0 73.7 ± 2515
pull
Entries 82
Mean 3716
Std Dev 0

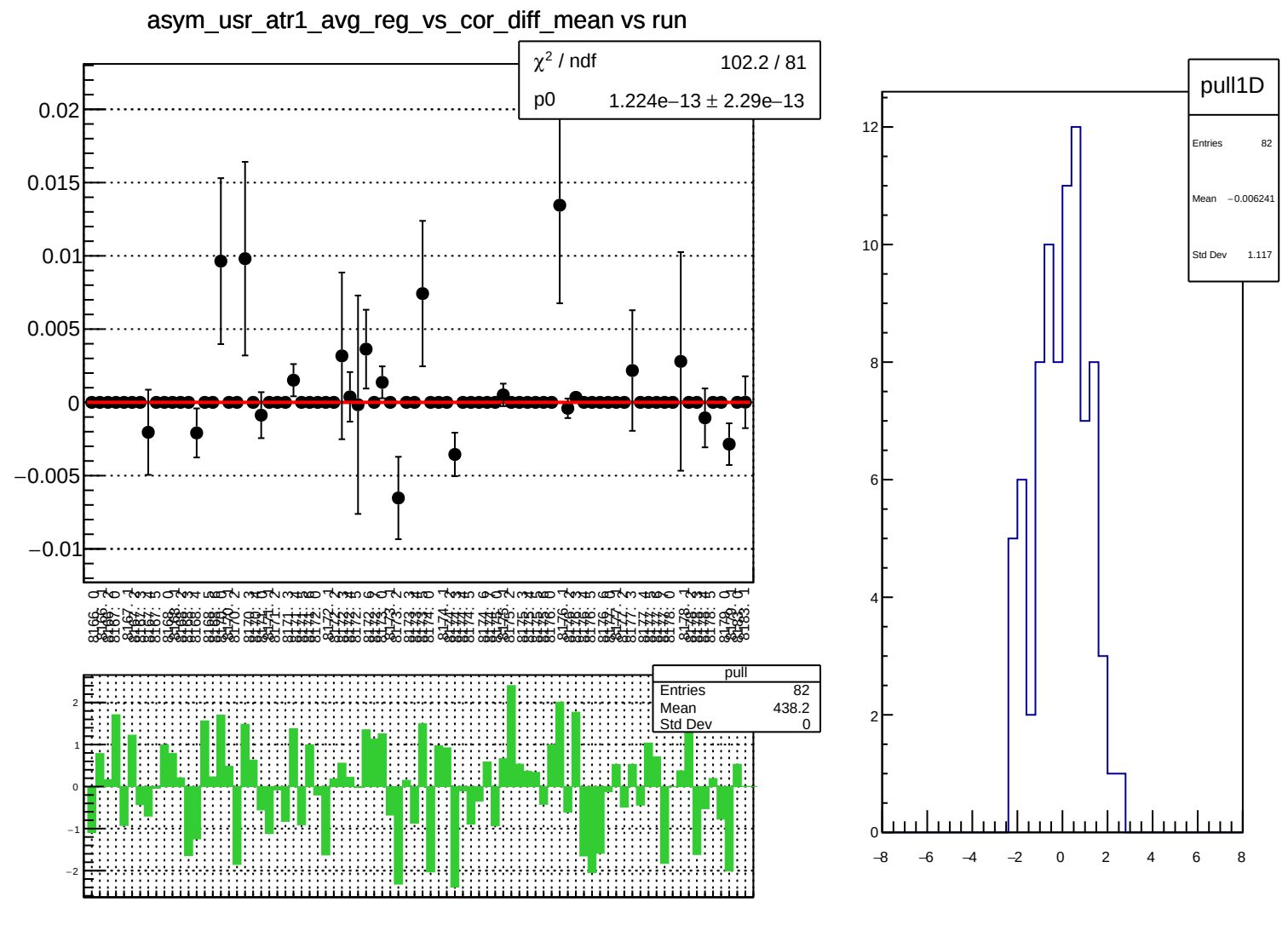

pull1D
Entries 82
Mean −0.0003053
Std Dev 1.085

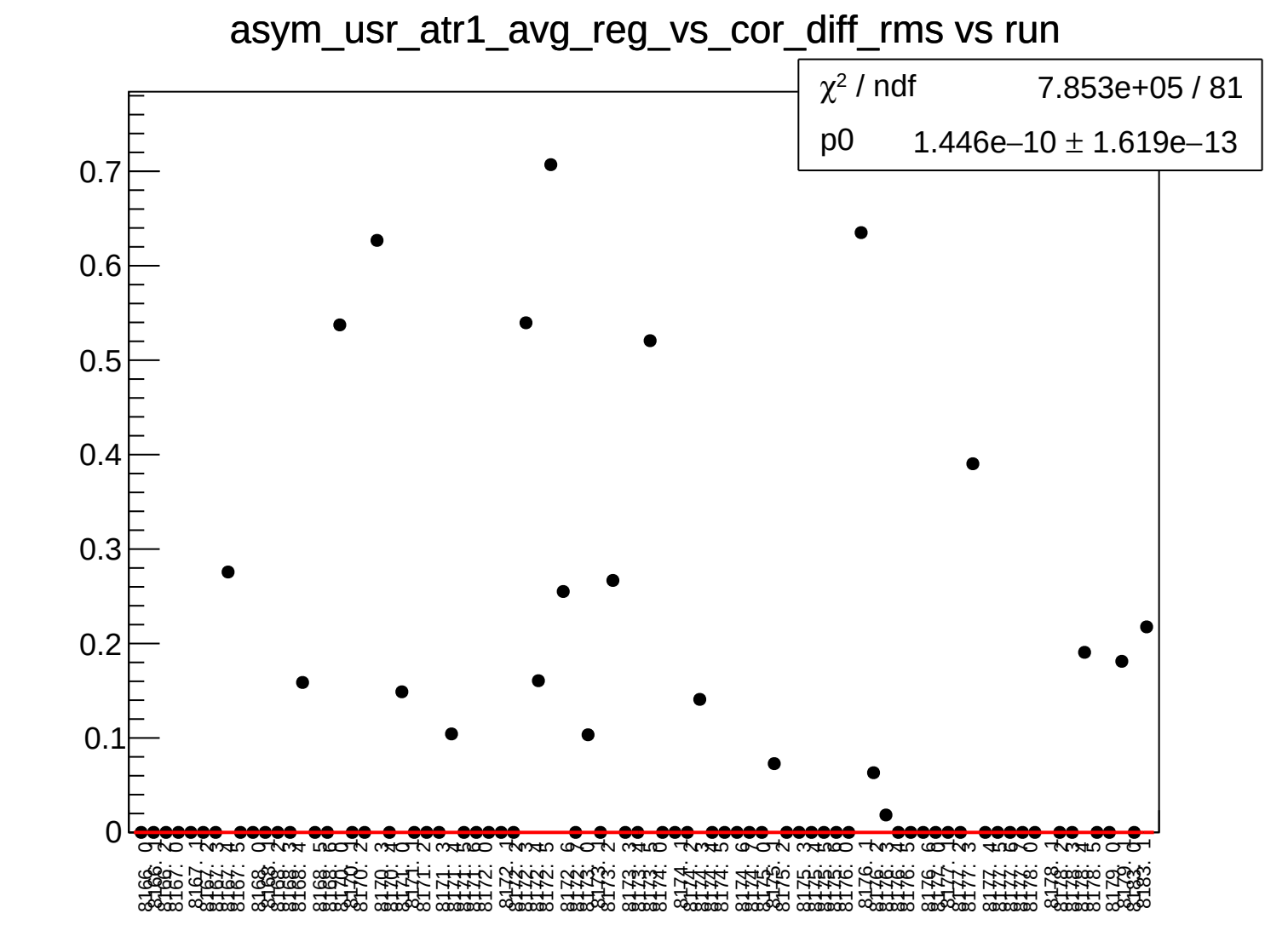

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1140 / 81
p0 2236 ± 1.778
2500
2400
2300
2200
2100

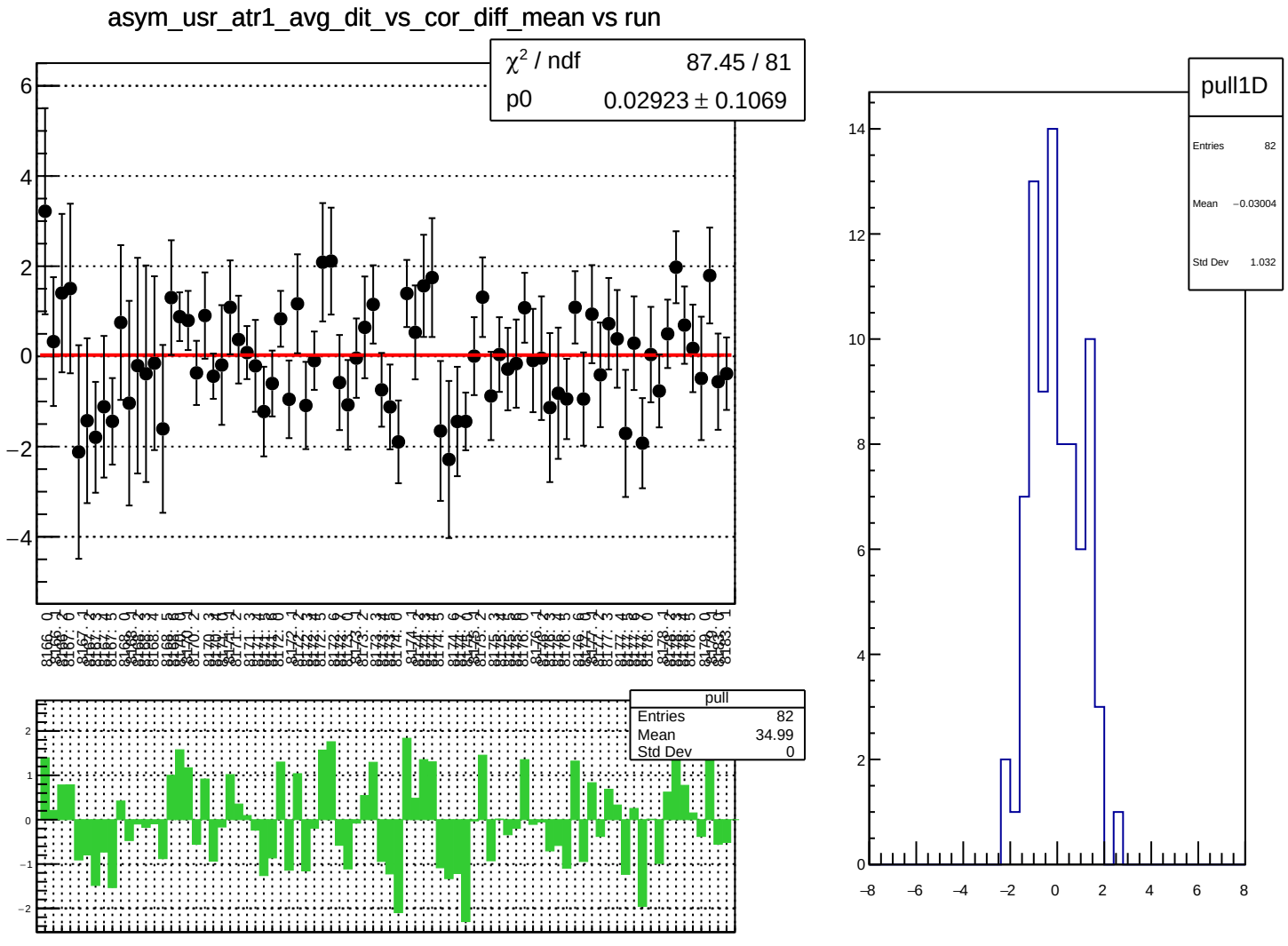

asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 85.79 / 81
p0 2643 ± 3095
100
50
0
−50
−100
pull
Entries 82
Mean −77.17
Std Dev 0
3
2
1
0
−1
−2

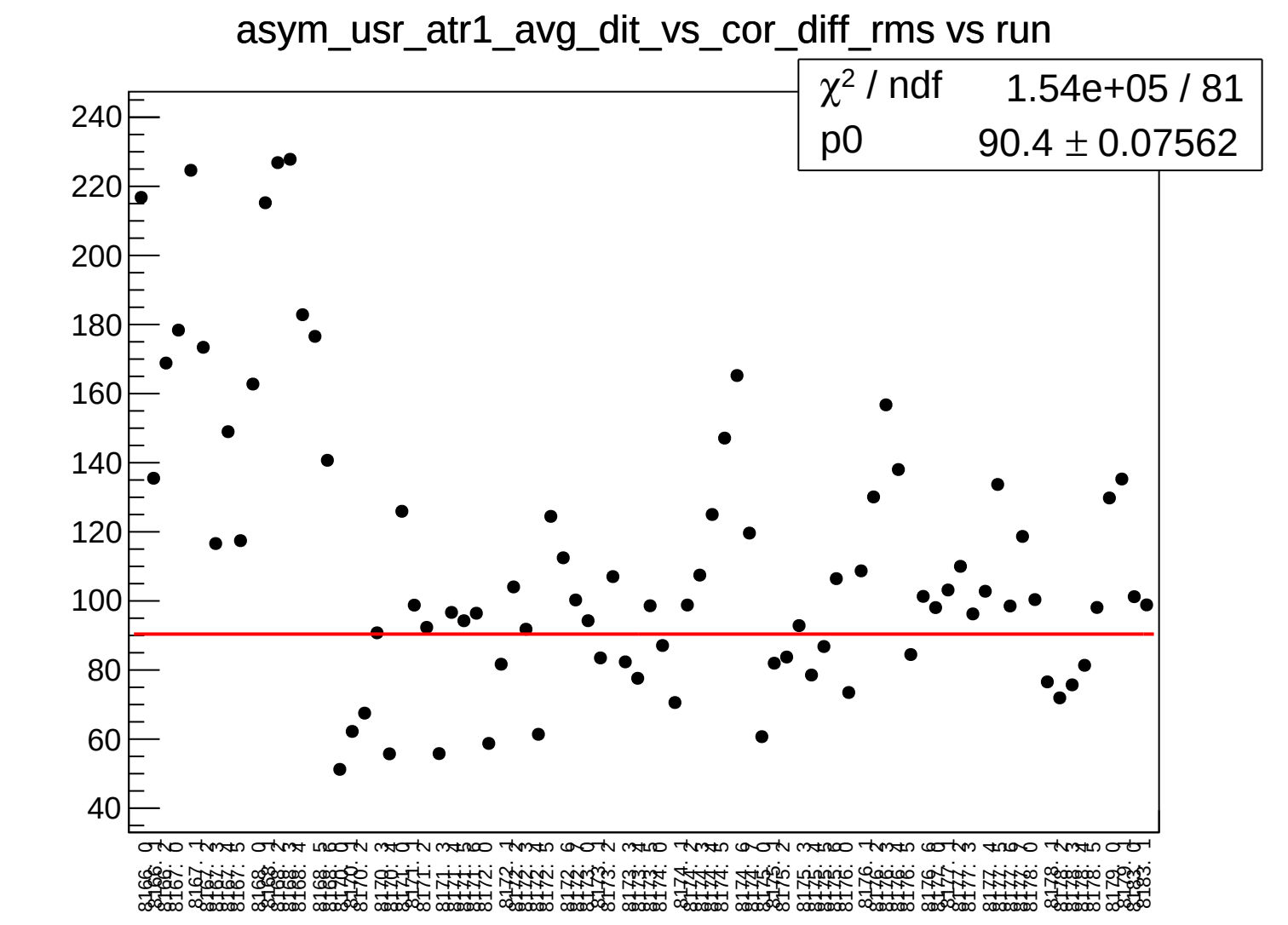

pull1D
Entries 82
Mean −0.01052
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

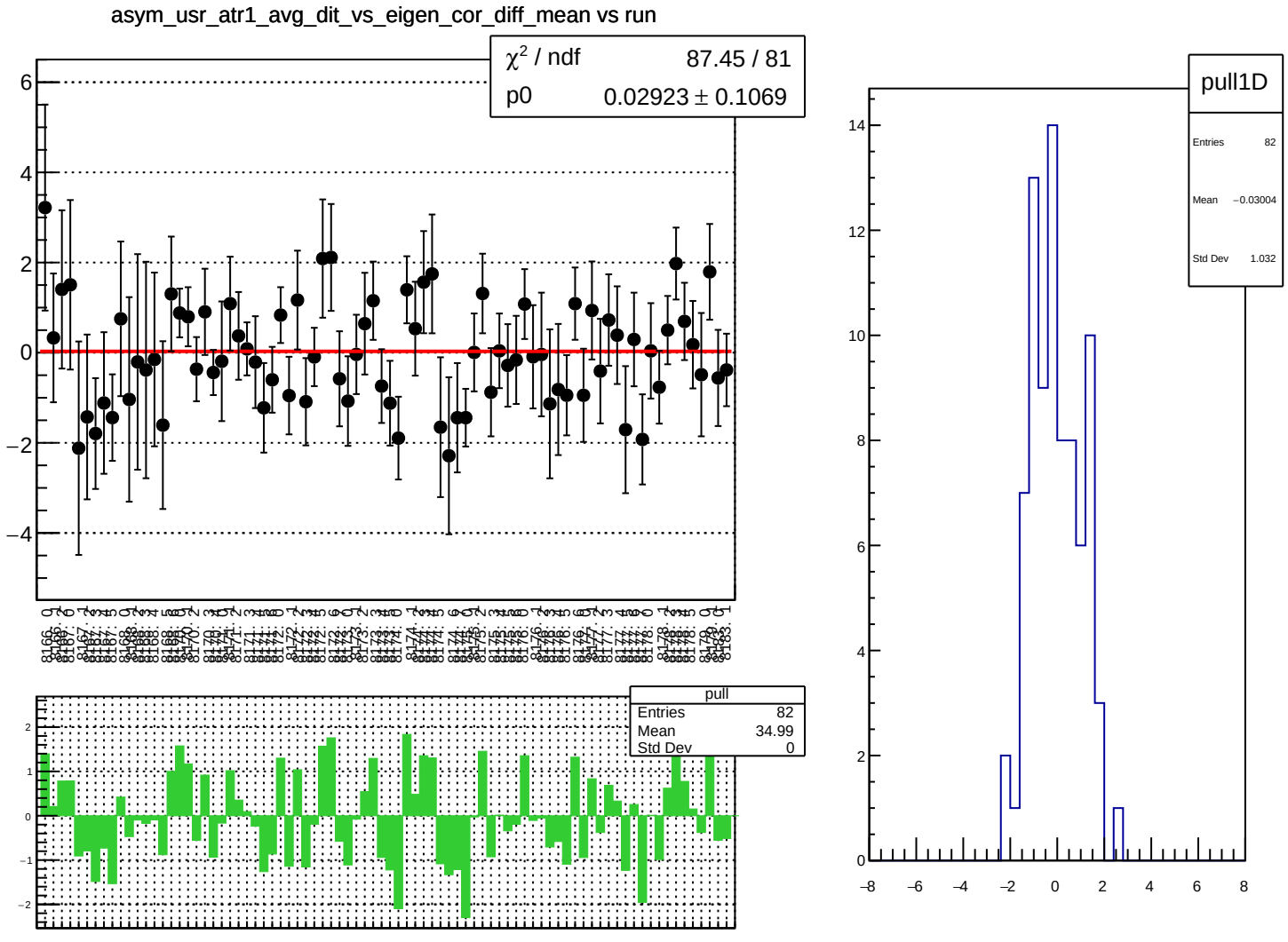

asym_usr_atr1_avg_rms vs run
χ^2 / ndf 1298 / 81
p0 2752 ± 2.188
3050
3000
2950
2900
2850
2800
2750
2700
2650
2600

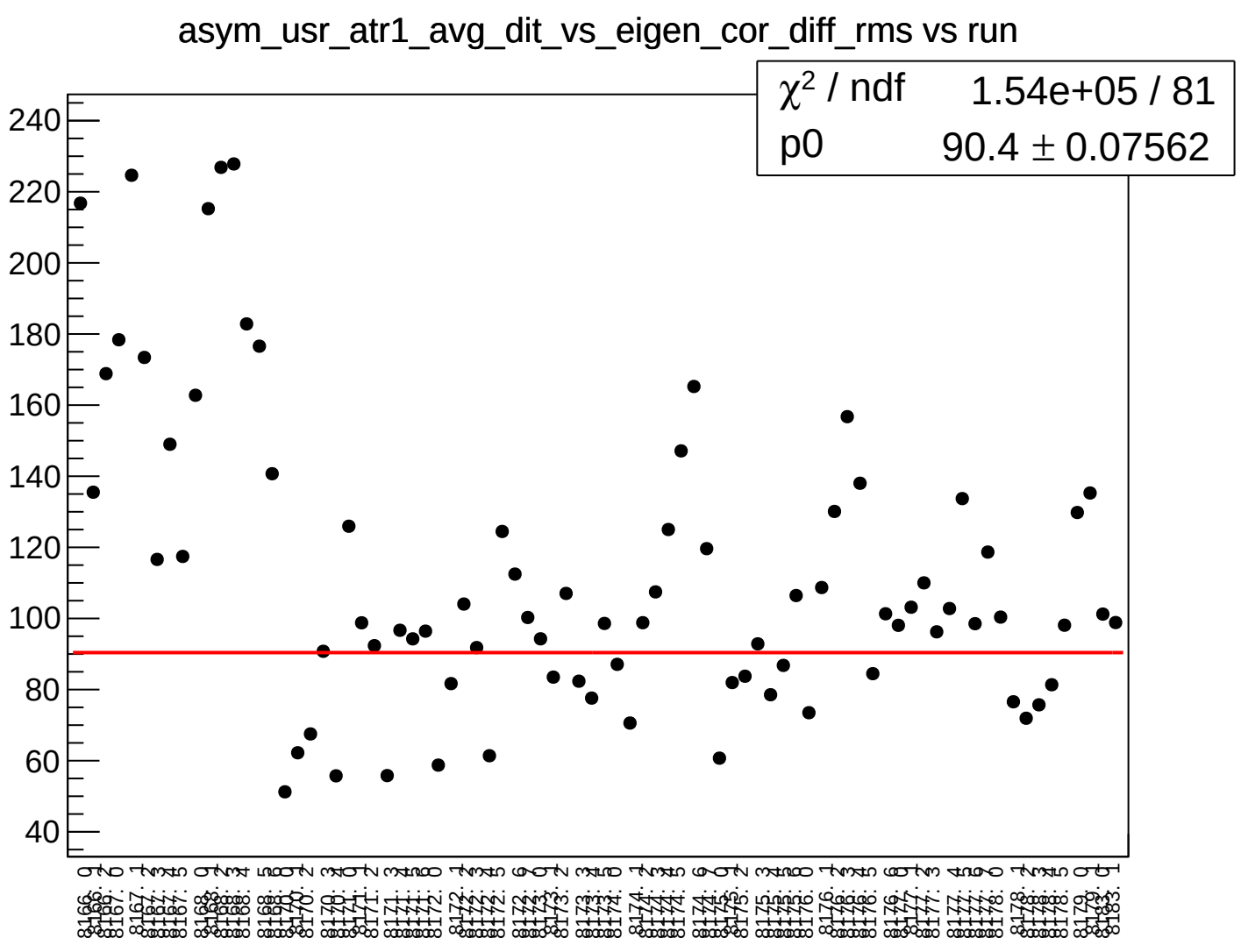

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 102.2 / 81
p0 1.224e−13 ± 2.29e−13
pull
Entries 82
Mean 438.2
Std Dev 0
pull1D
Entries 82
Mean −0.006241
Std Dev 1.117

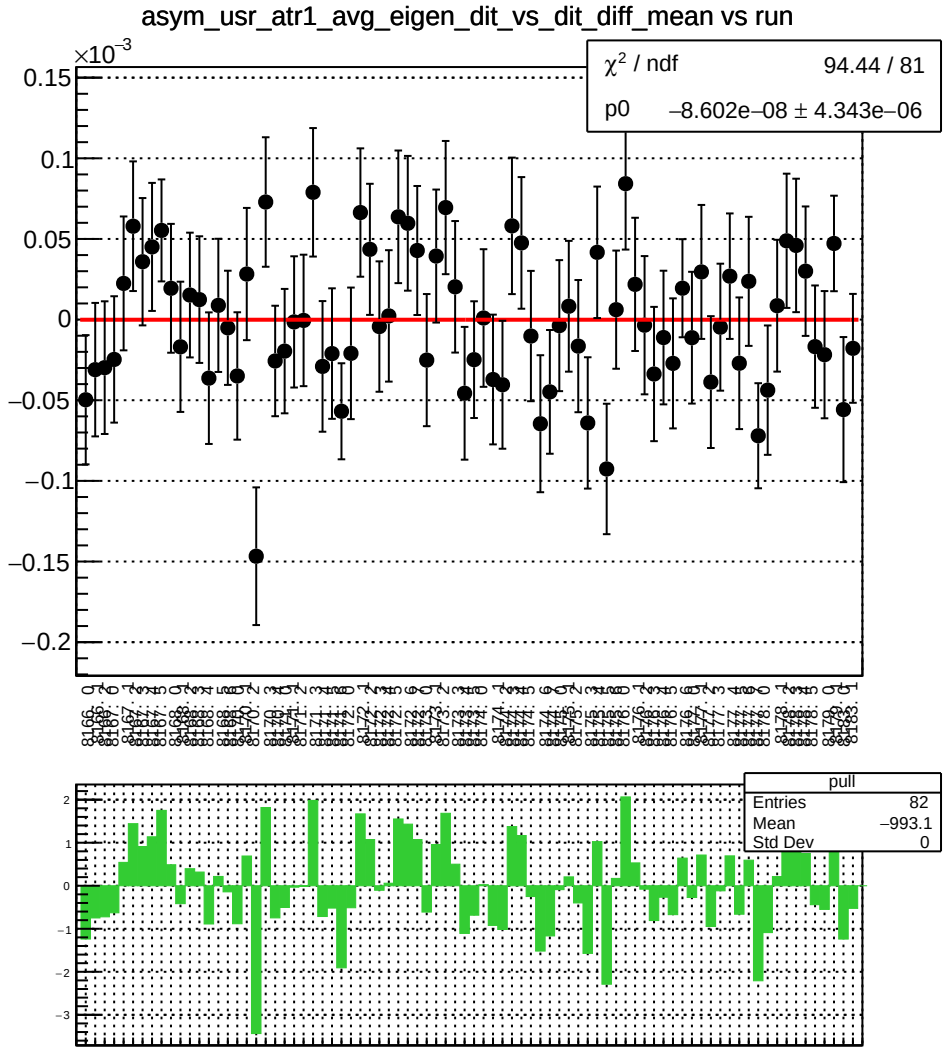

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.853e+05 / 81
p0 1.446e−10 ± 1.619e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

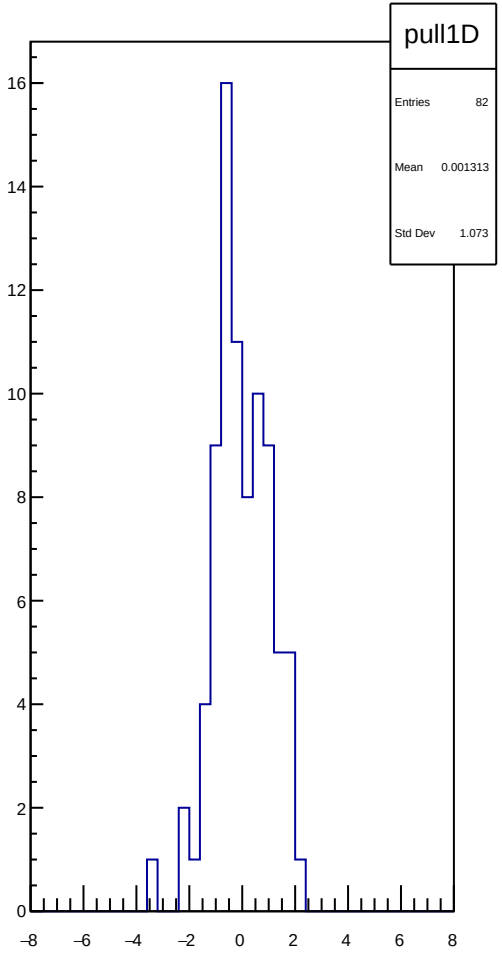

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 87.45 / 81
p0 0.02923 ± 0.1069
pull
Entries 82
Mean 34.99
Std Dev 0
pull1D
Entries 82
Mean −0.03004
Std Dev 1.032

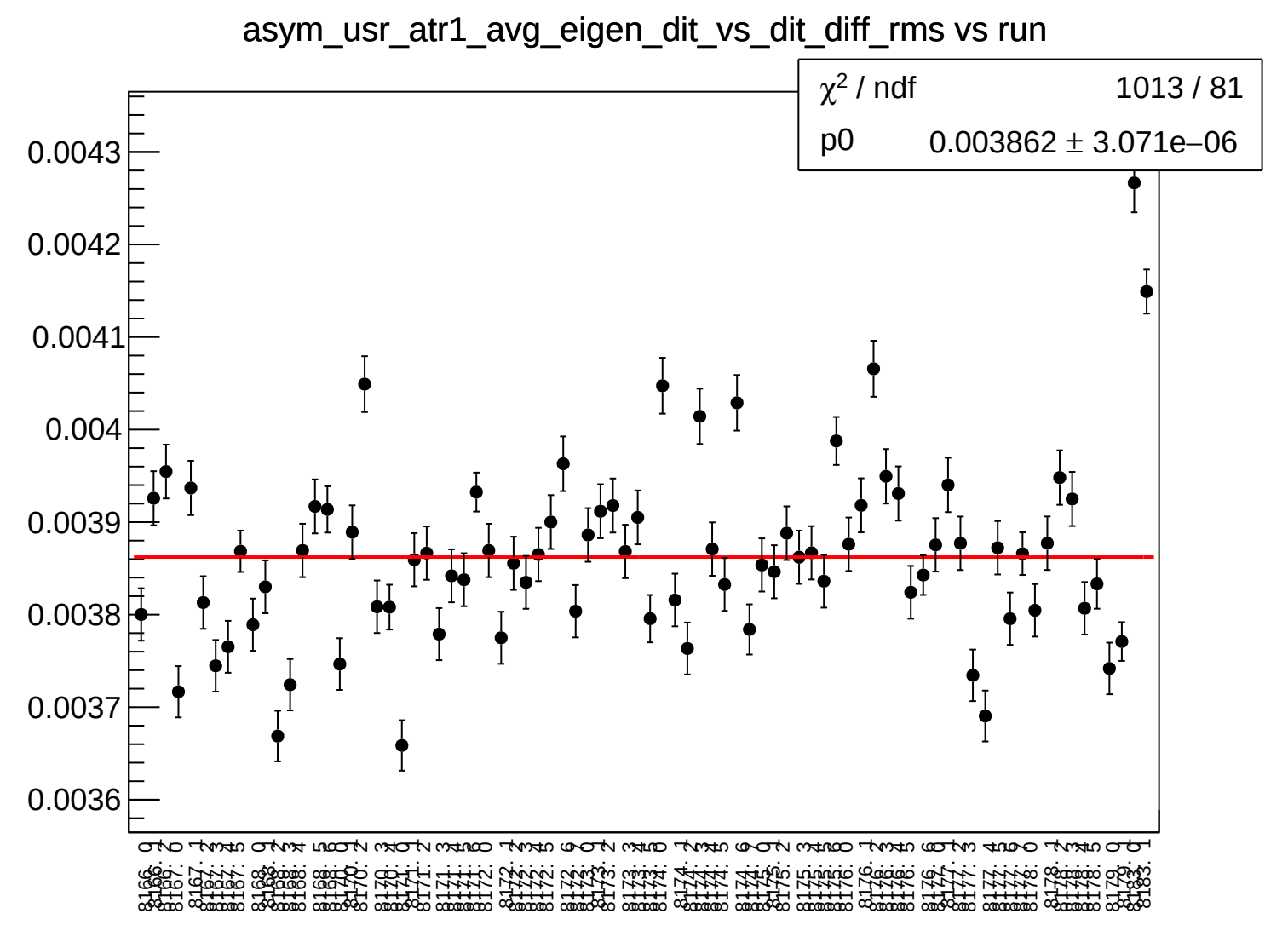

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.54e+05 / 81
p0 90.4 ± 0.07562
240
220
200
180
160
140
120
100
80
60
40


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.45 / 81
p0 0.02923 ± 0.1069
pull
Entries 82
Mean 34.99
Std Dev 0
pull1D
Entries 82
Mean −0.03004
Std Dev 1.032

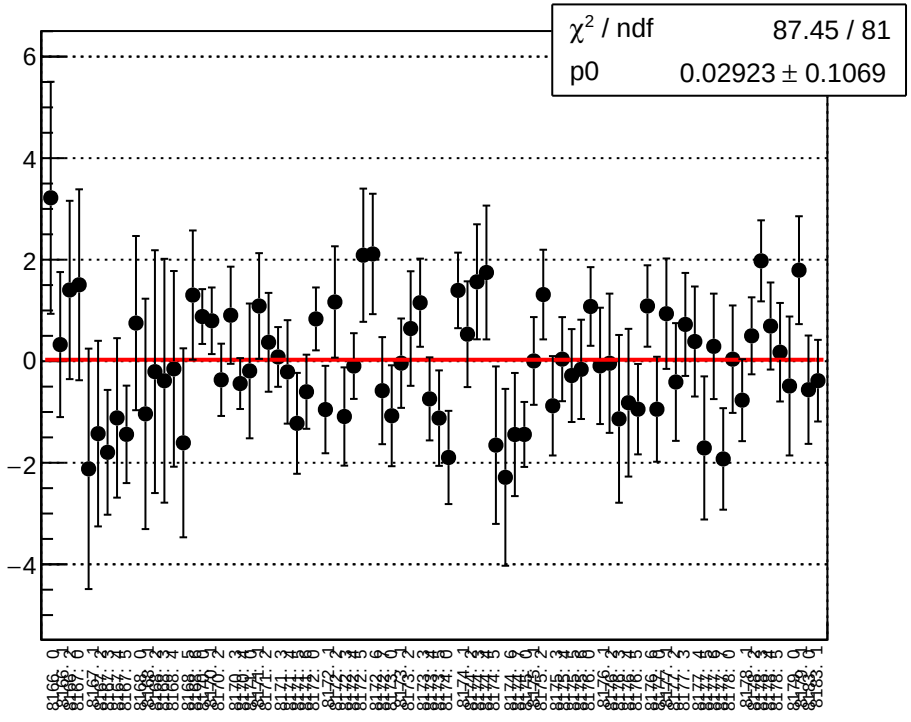

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.54e+05 / 81
p0 90.4 ± 0.07562
240
220
200
180
160
140
120
100
80
60
40

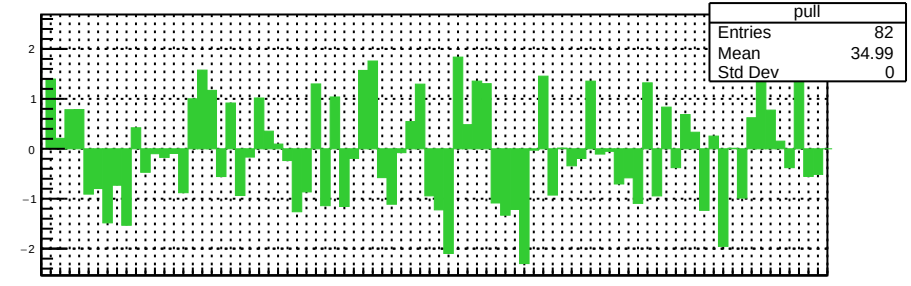

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 94.44 / 81
p0 −8.602e−08 ± 4.343e−06
pull
Entries 82
Mean −993.1
Std Dev 0

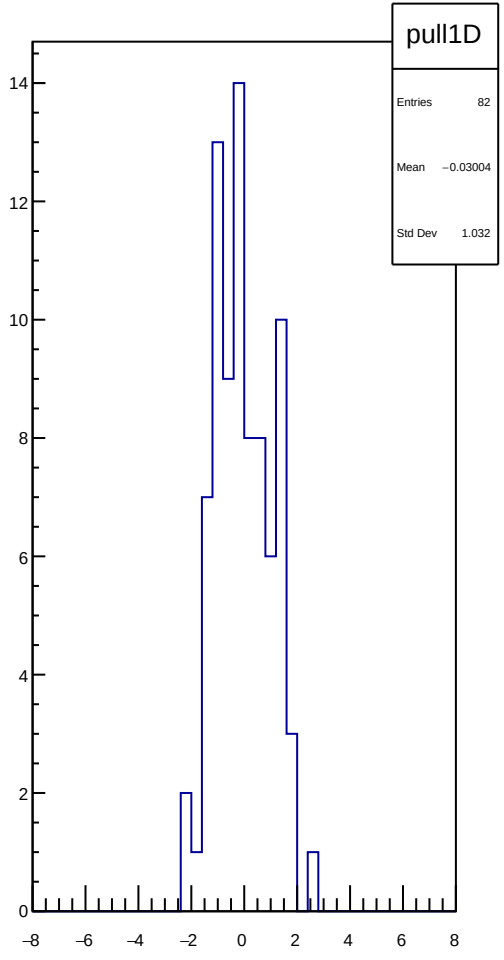

pull1D
Entries 82
Mean 0.001313
Std Dev 1.073

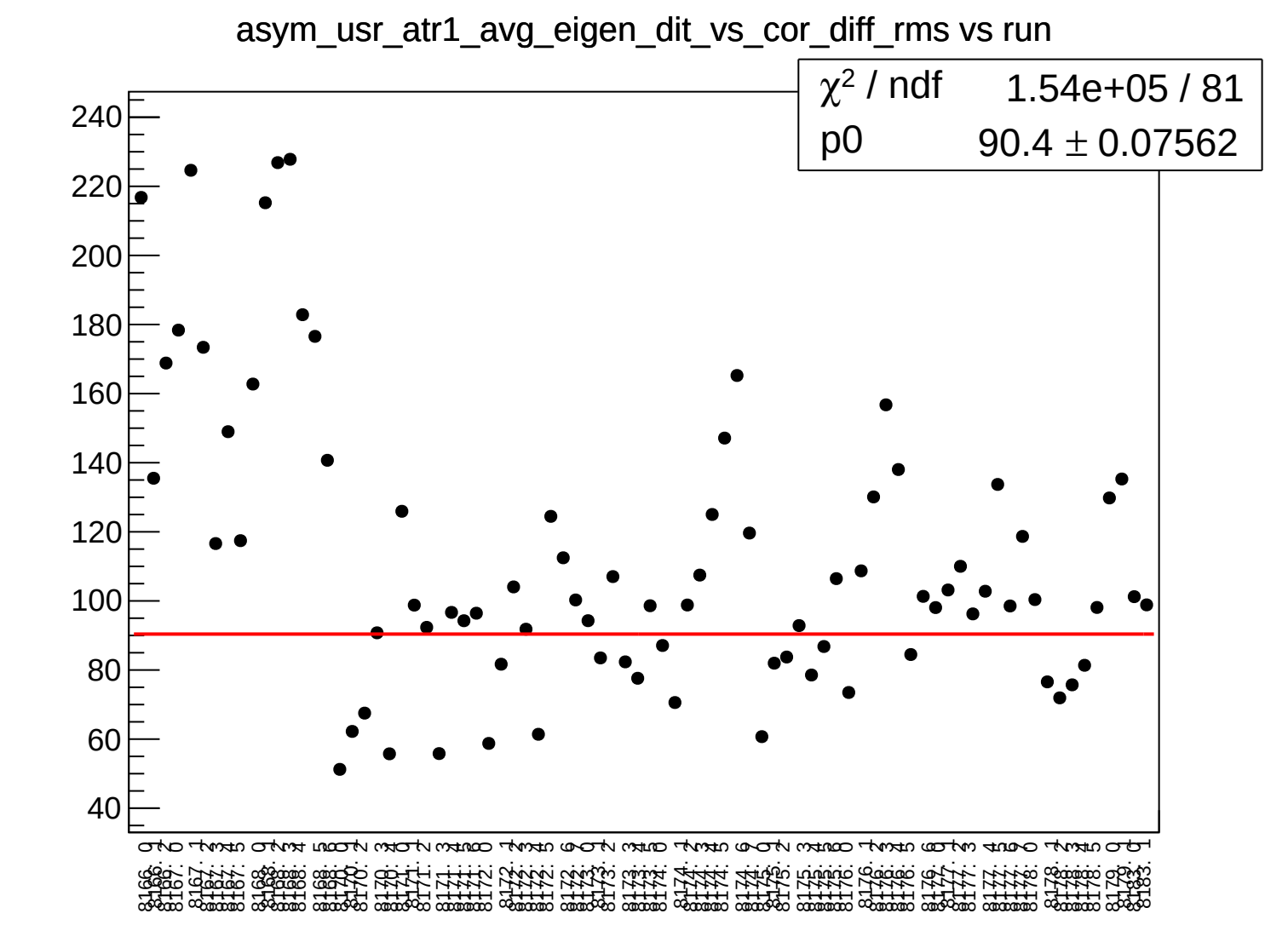

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1013 / 81
p0 0.003862 ± 3.071e−06
0.0043
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036

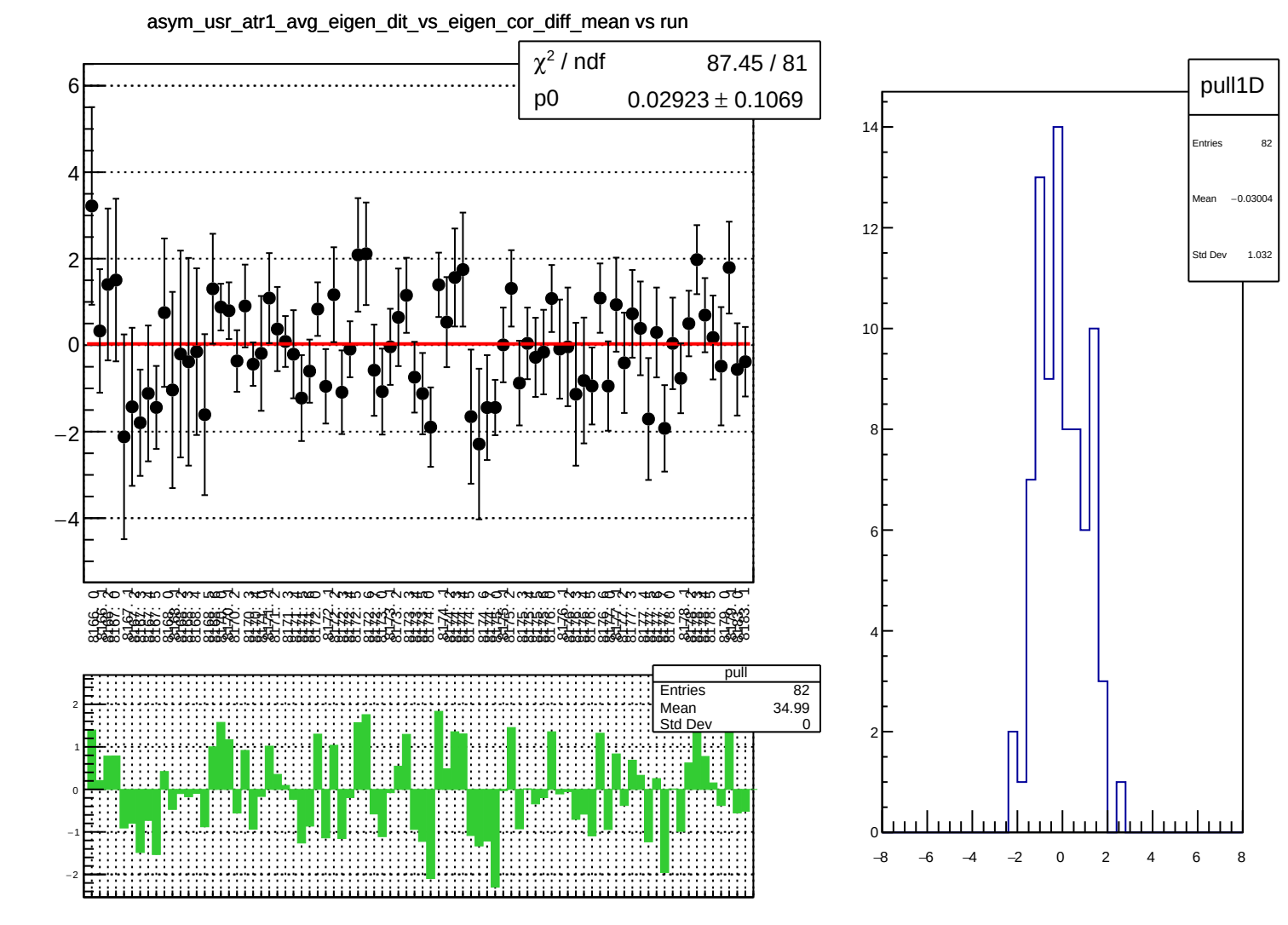
asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run

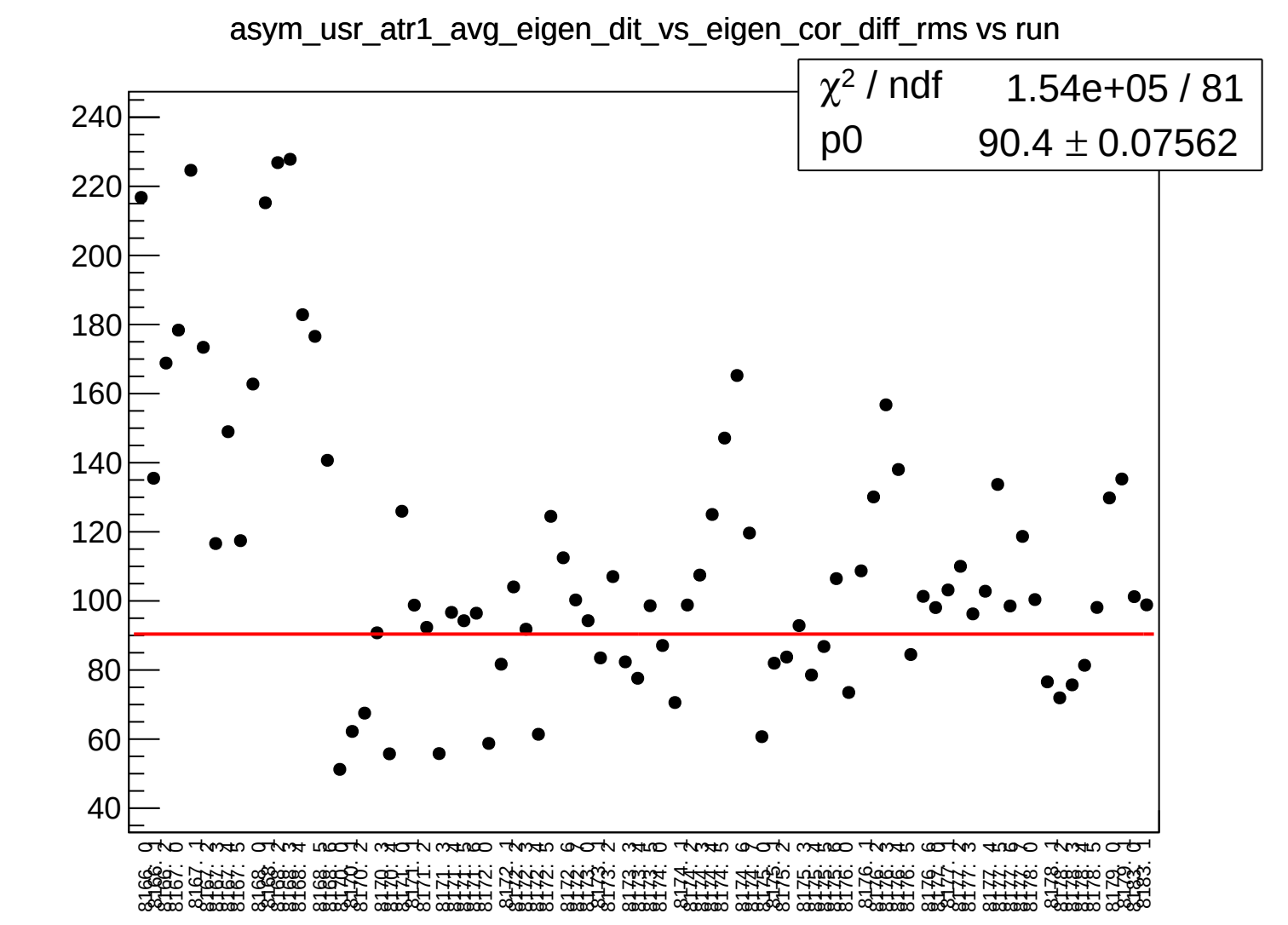


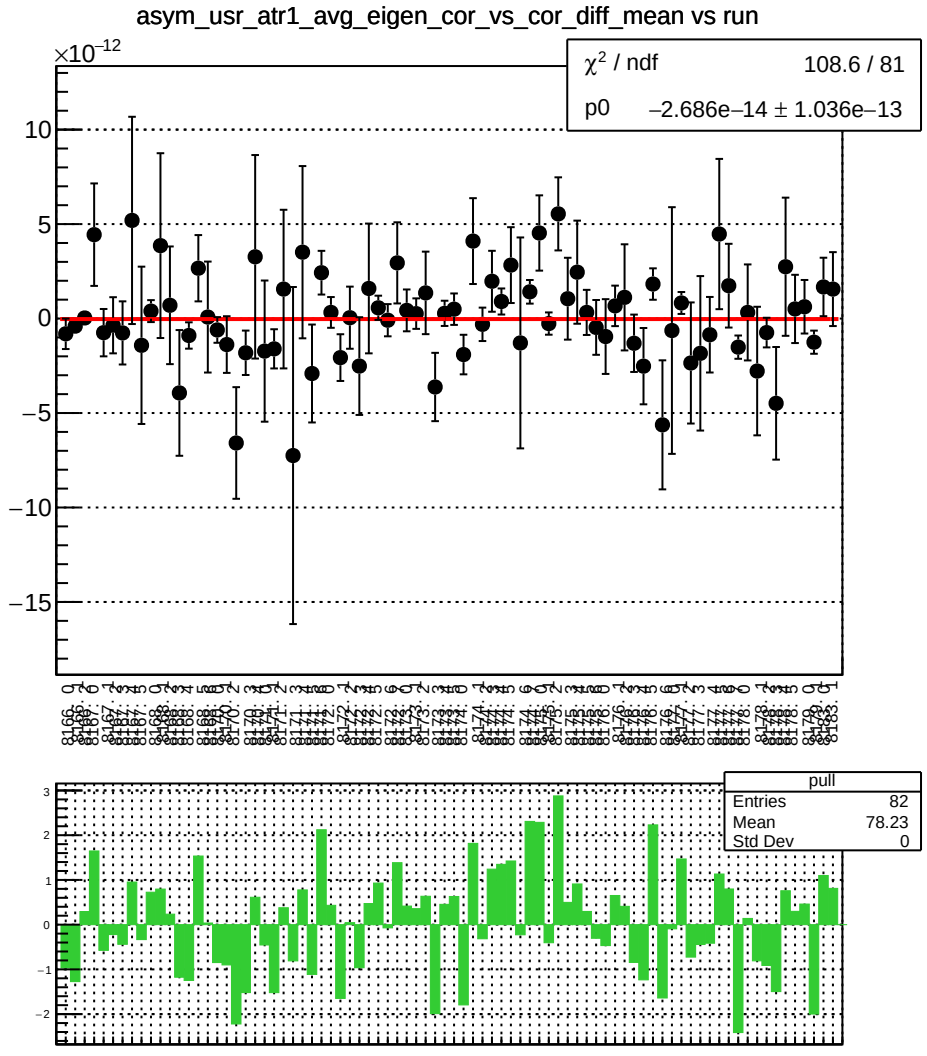


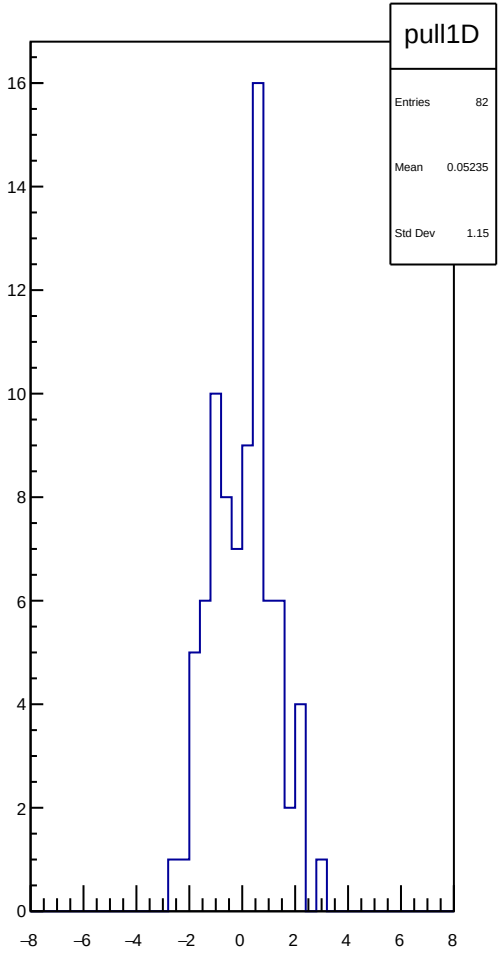


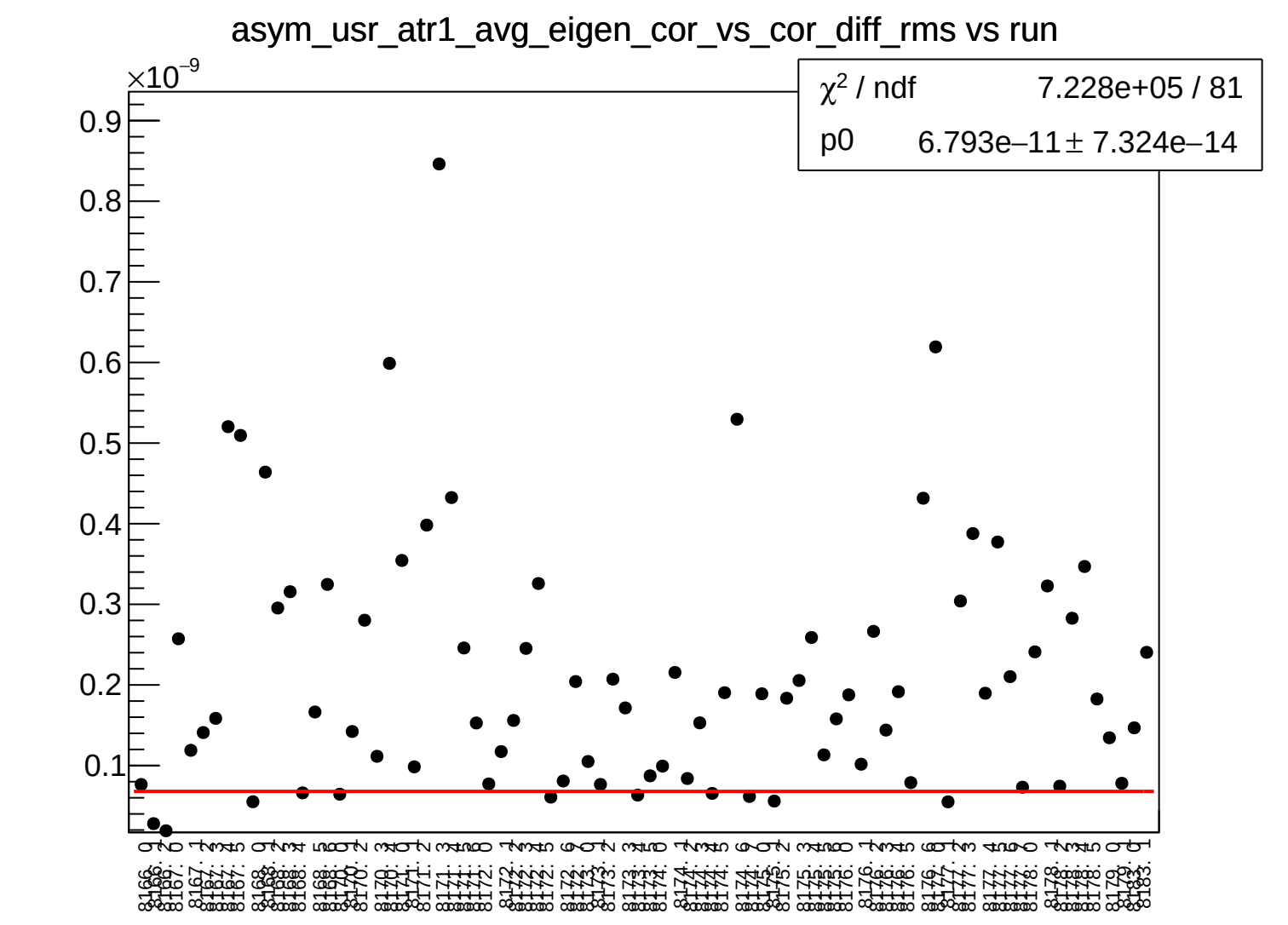

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.54e+05 / 81
p0 90.4 ± 0.07562
240
220
200
180
160
140
120
100
80
60
40

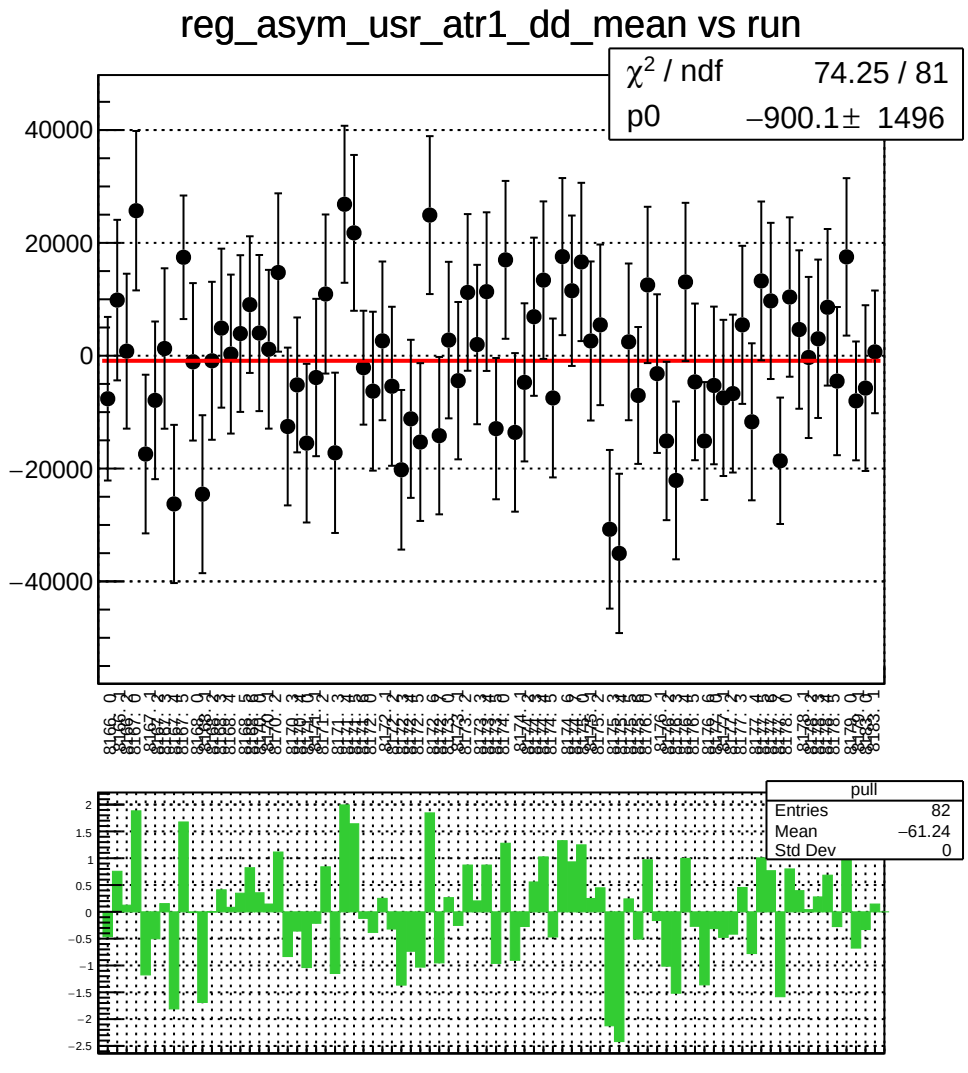

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.45 / 81
p0 0.02923 ± 0.1069
pull
Entries 82
Mean 34.99
Std Dev 0
pull1D
Entries 82
Mean −0.03004
Std Dev 1.032

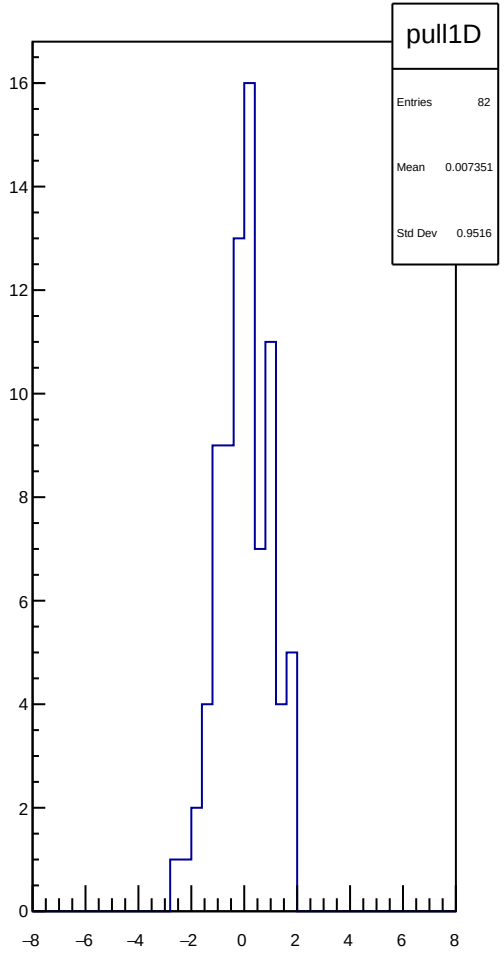

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.54e+05 / 81
p0 90.4 ± 0.07562
240
220
200
180
160
140
120
100
80
60
40

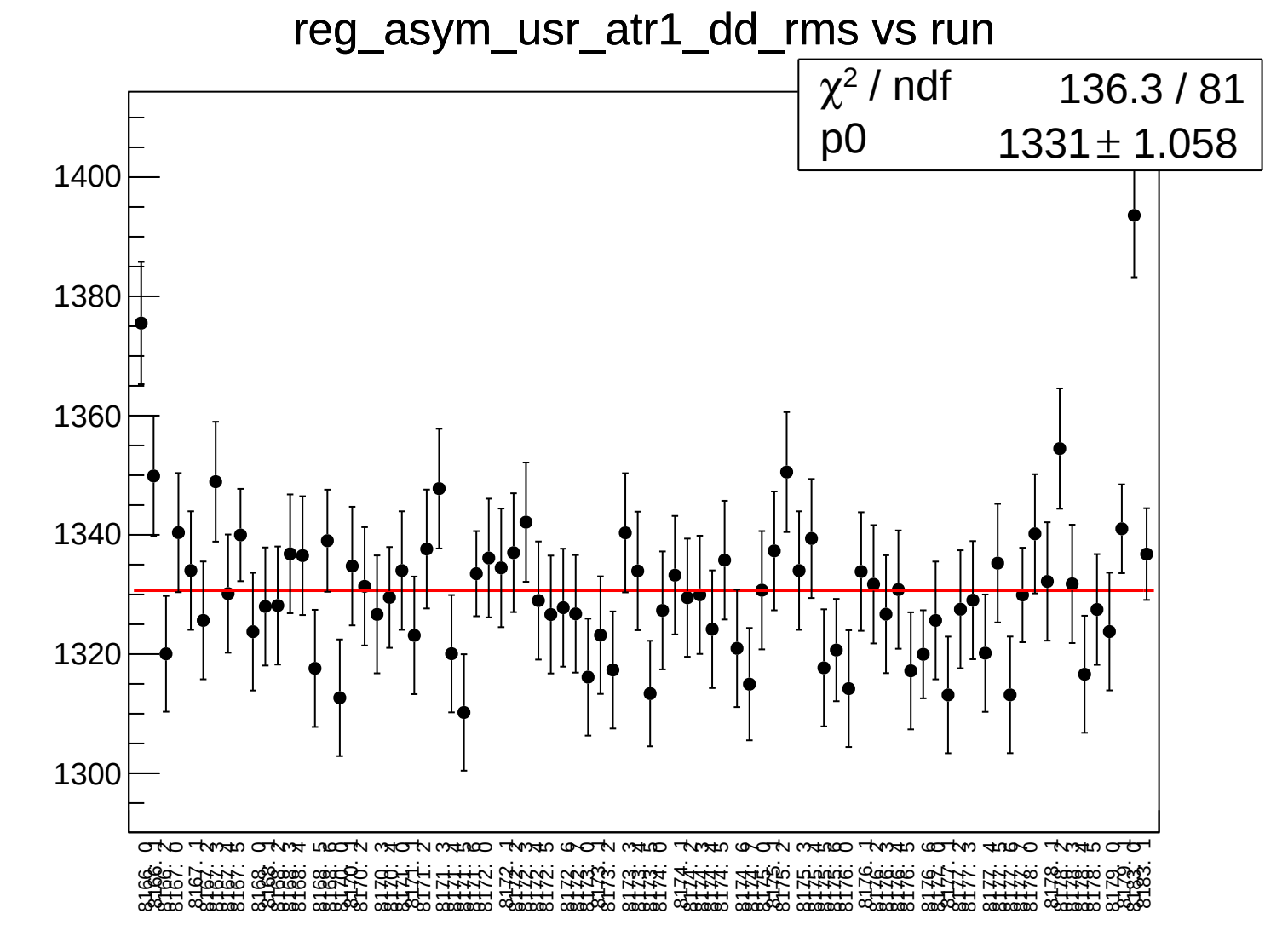

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 108.6 / 81
p0 −2.686e−14 ± 1.036e−13
pull
Entries 82
Mean 78.23
Std Dev 0

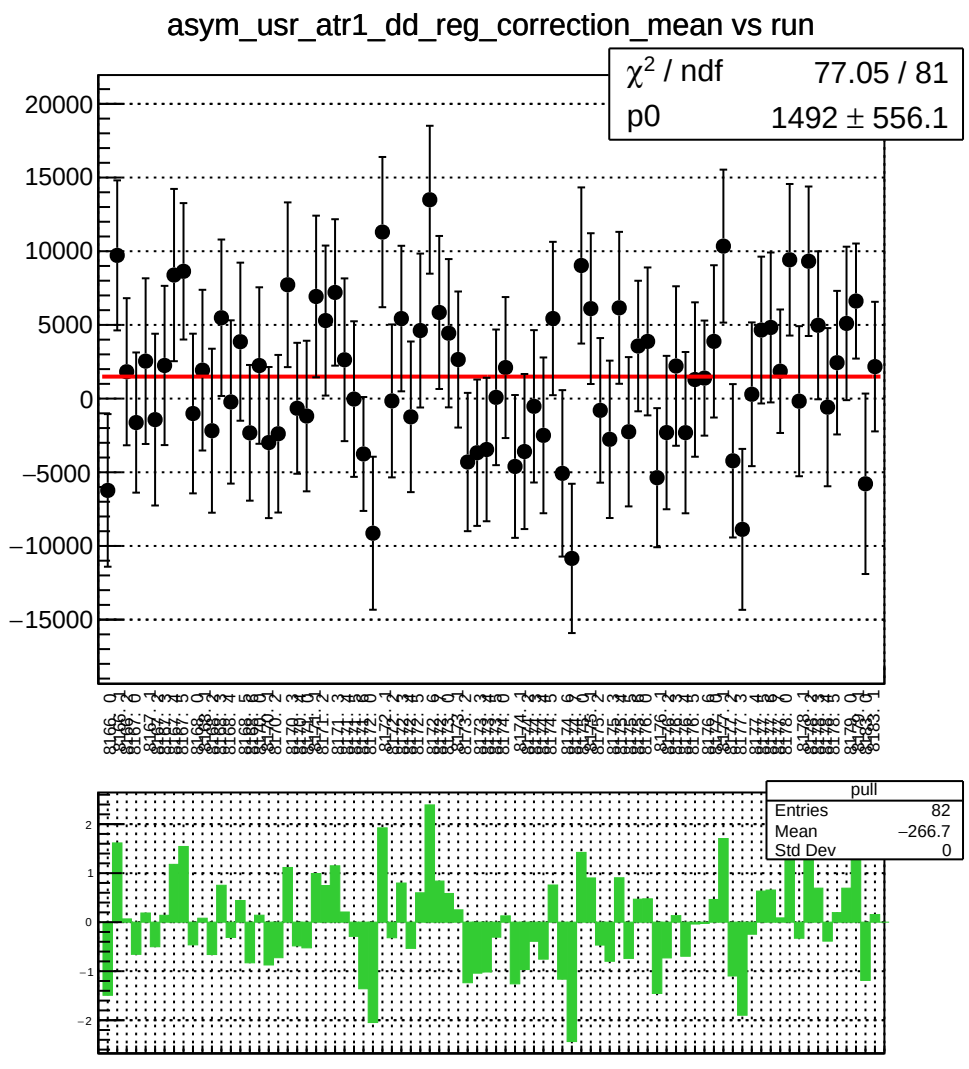

pull1D
Entries 82
Mean 0.05235
Std Dev 1.15

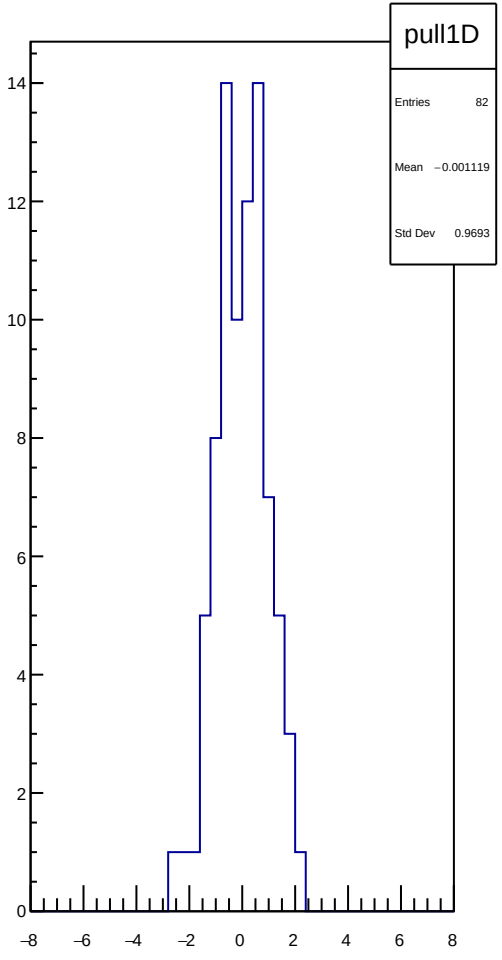

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.228e+05 / 81
p0 6.793e−11 ± 7.324e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

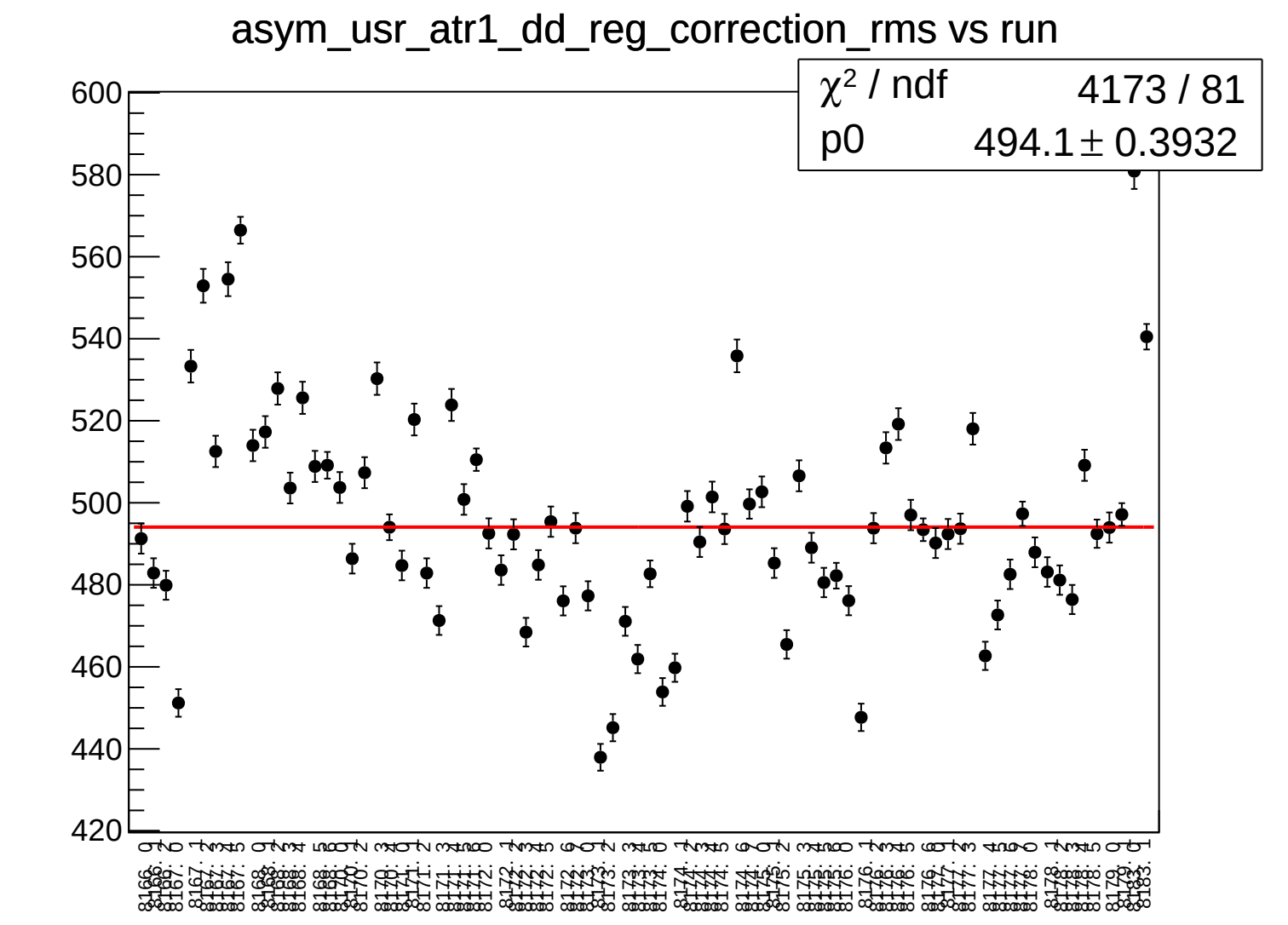

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 74.25 / 81
p0 −900.1± 1496
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −61.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

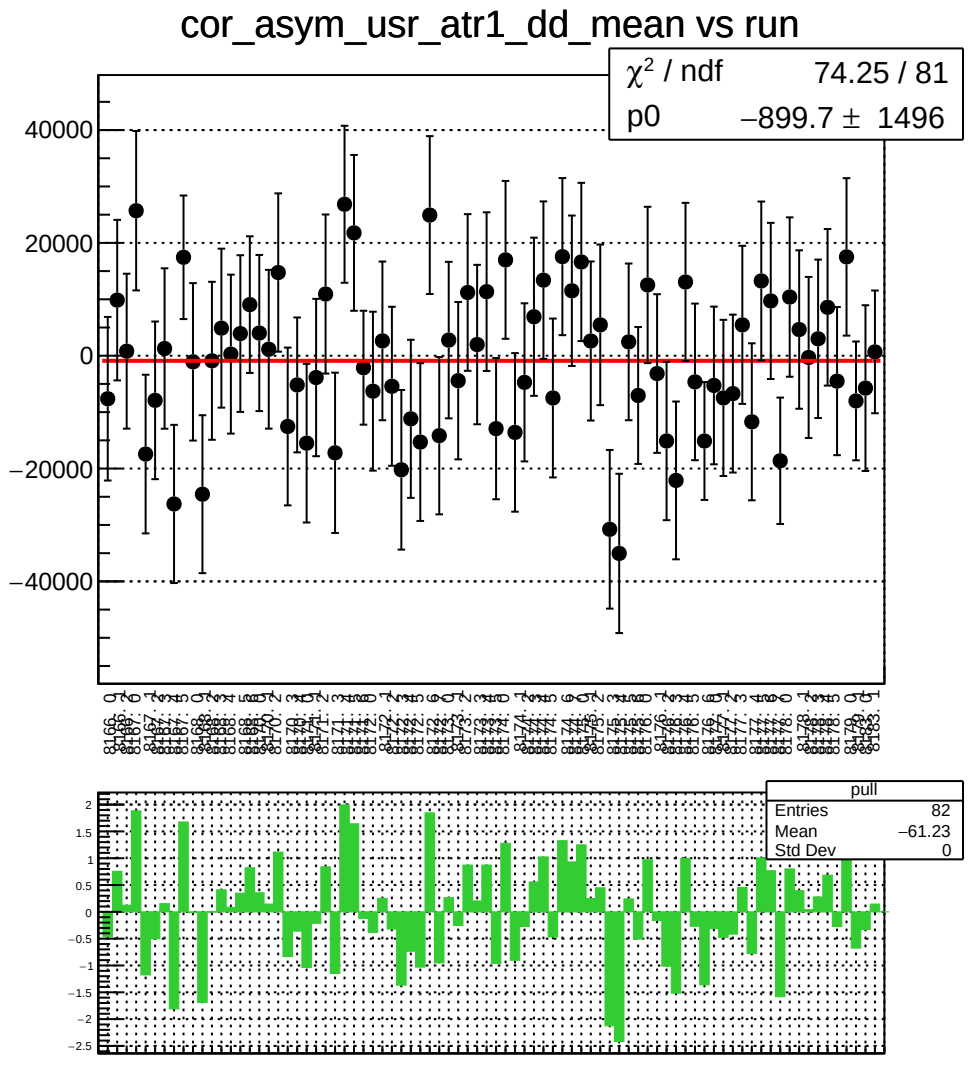

pull1D
Entries 82
Mean 0.007351
Std Dev 0.9516
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

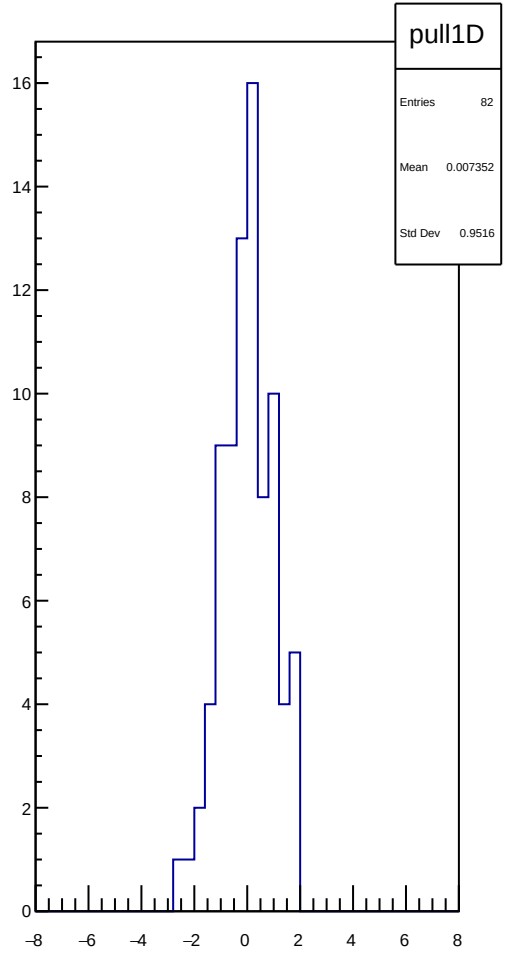

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 136.3 / 81
p0 1331 ± 1.058
1400
1380
1360
1340
1320
1300

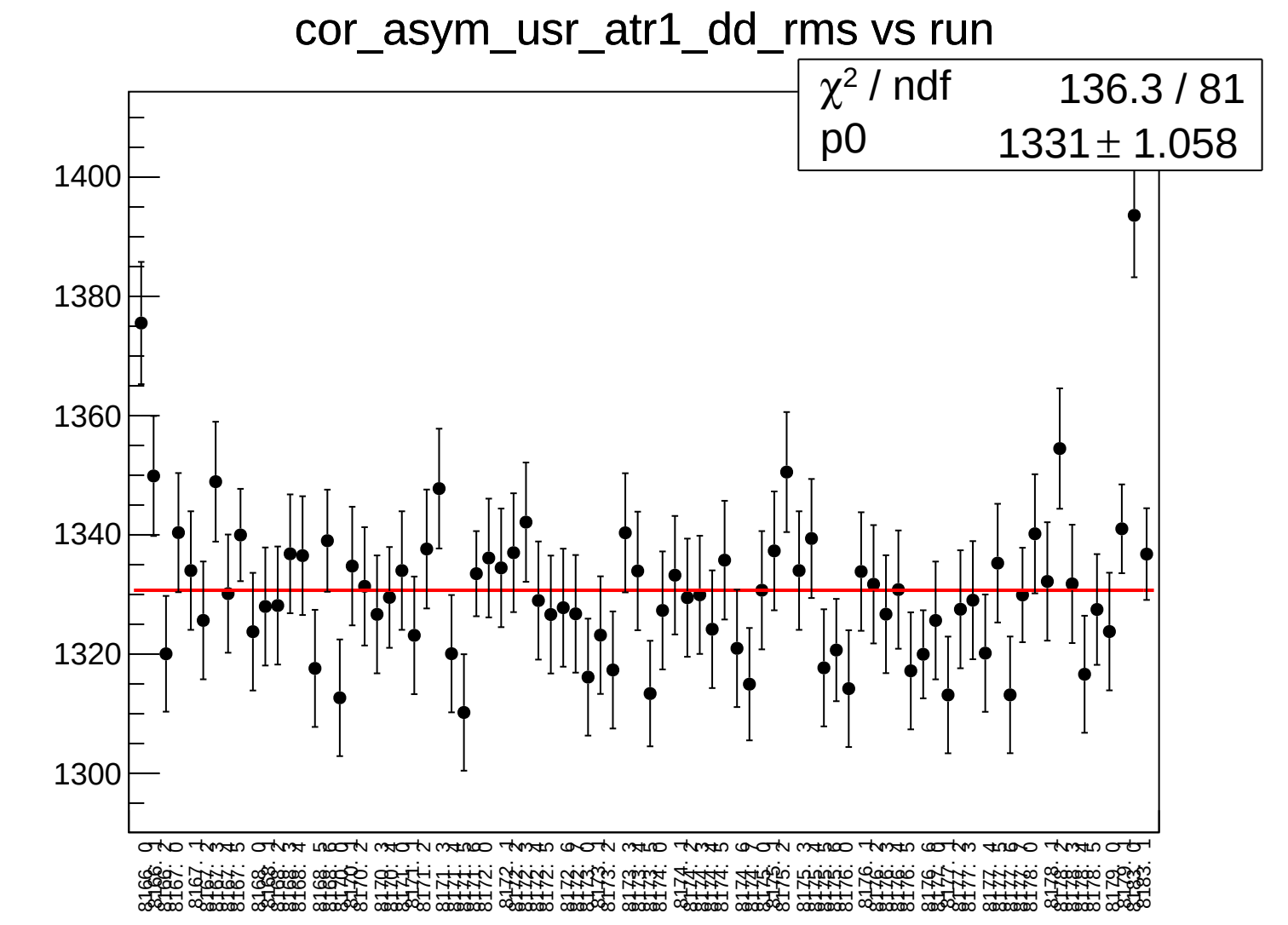

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 77.05 / 81
p0 1492 ± 556.1
pull
Entries 82
Mean −266.7
Std Dev 0

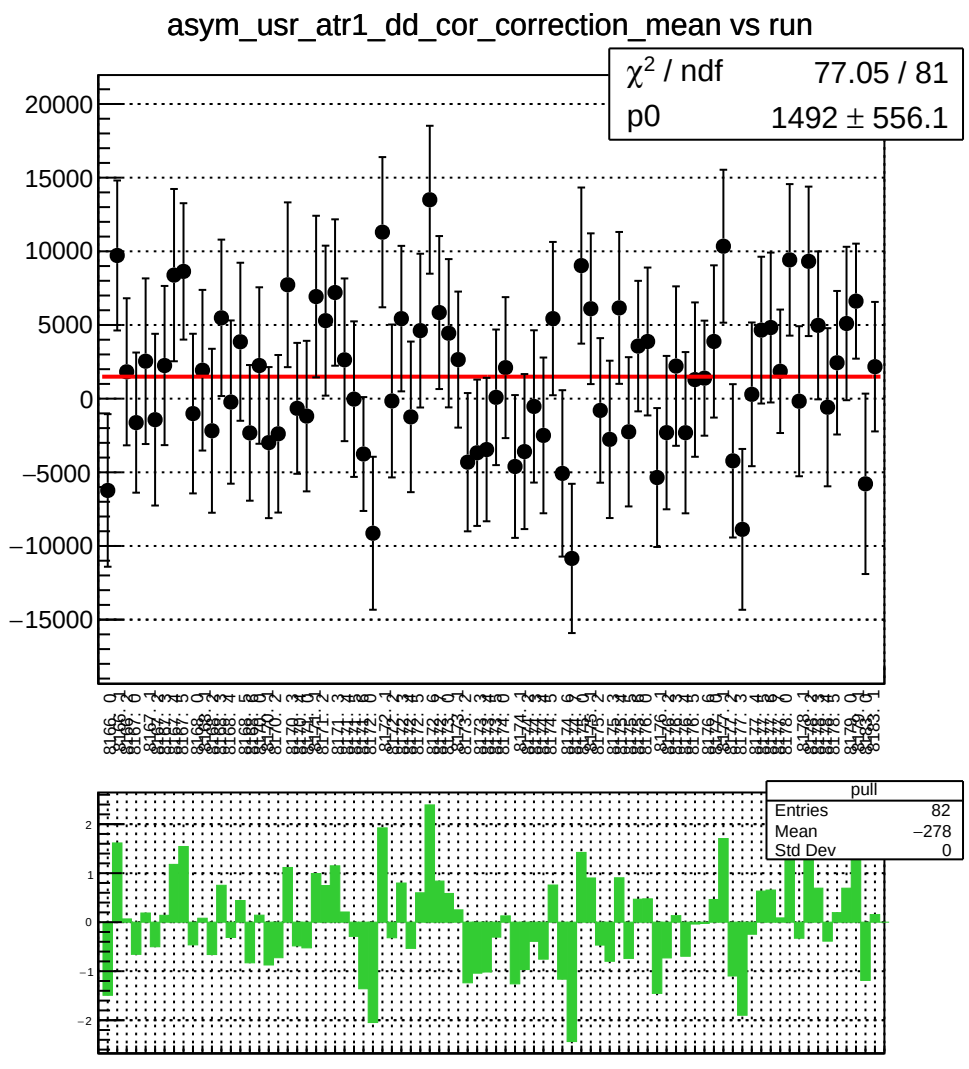

pull1D
Entries 82
Mean −0.001119
Std Dev 0.9693

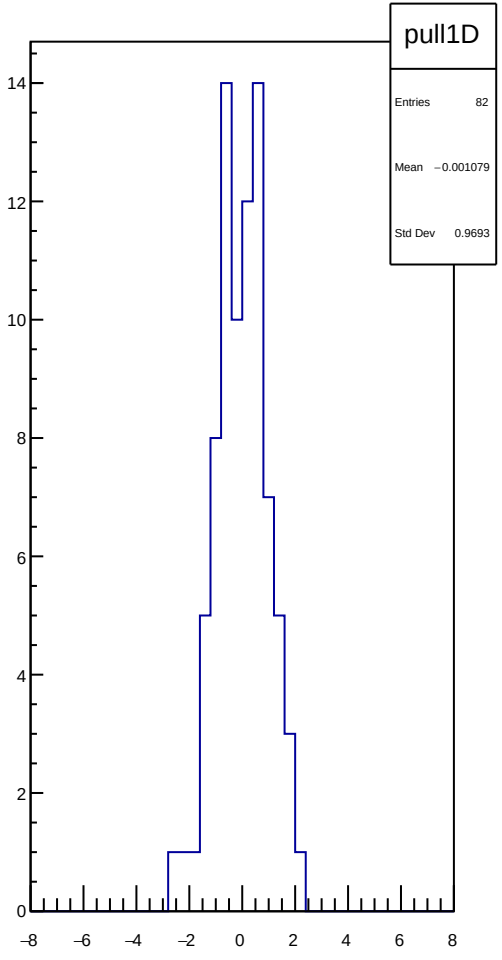

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4173 / 81
p0 494.1 ± 0.3932
600
580
560
540
520
500
480
460
440
420

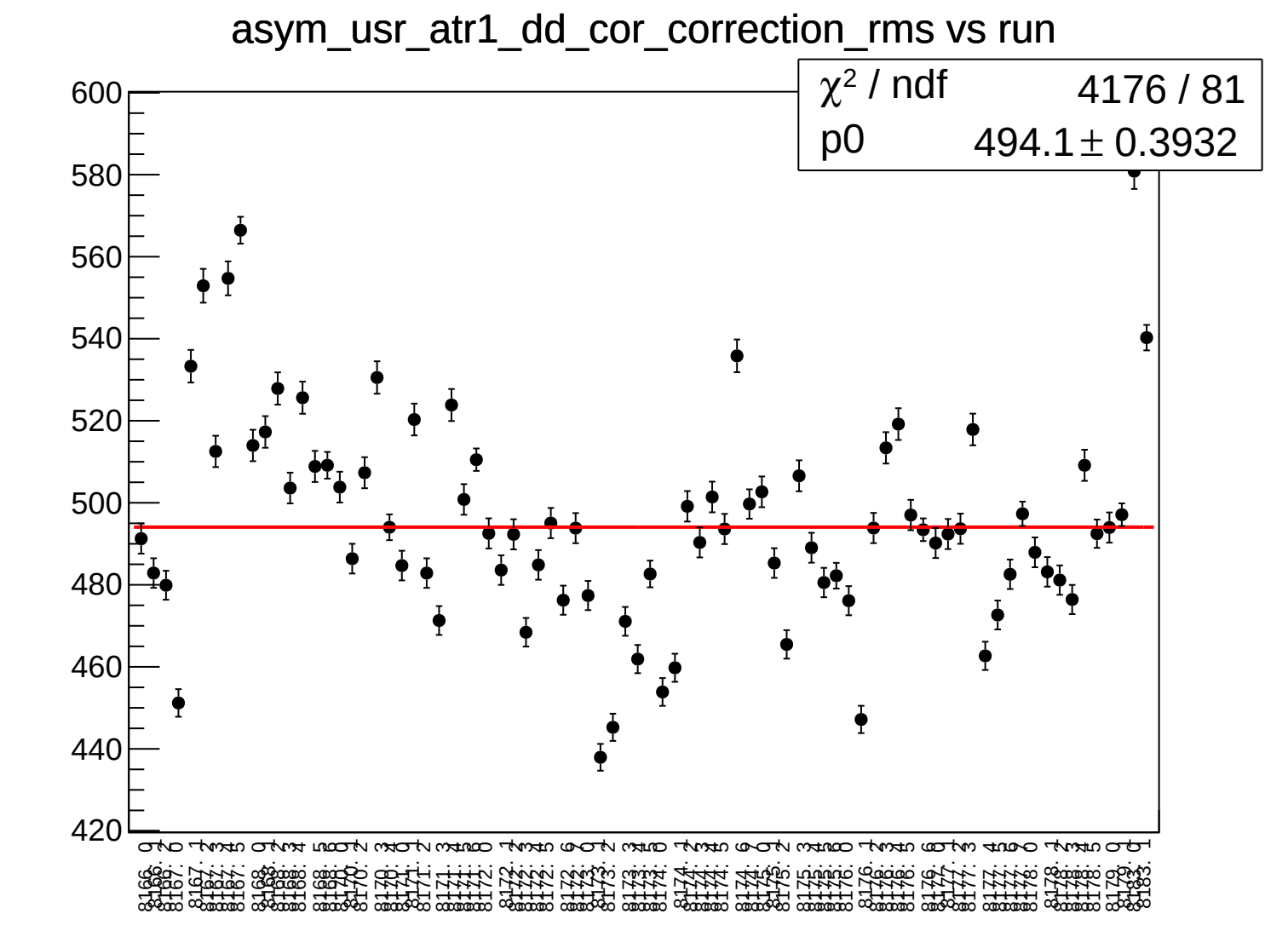

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 74.25 / 81
p0 −899.7 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −61.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

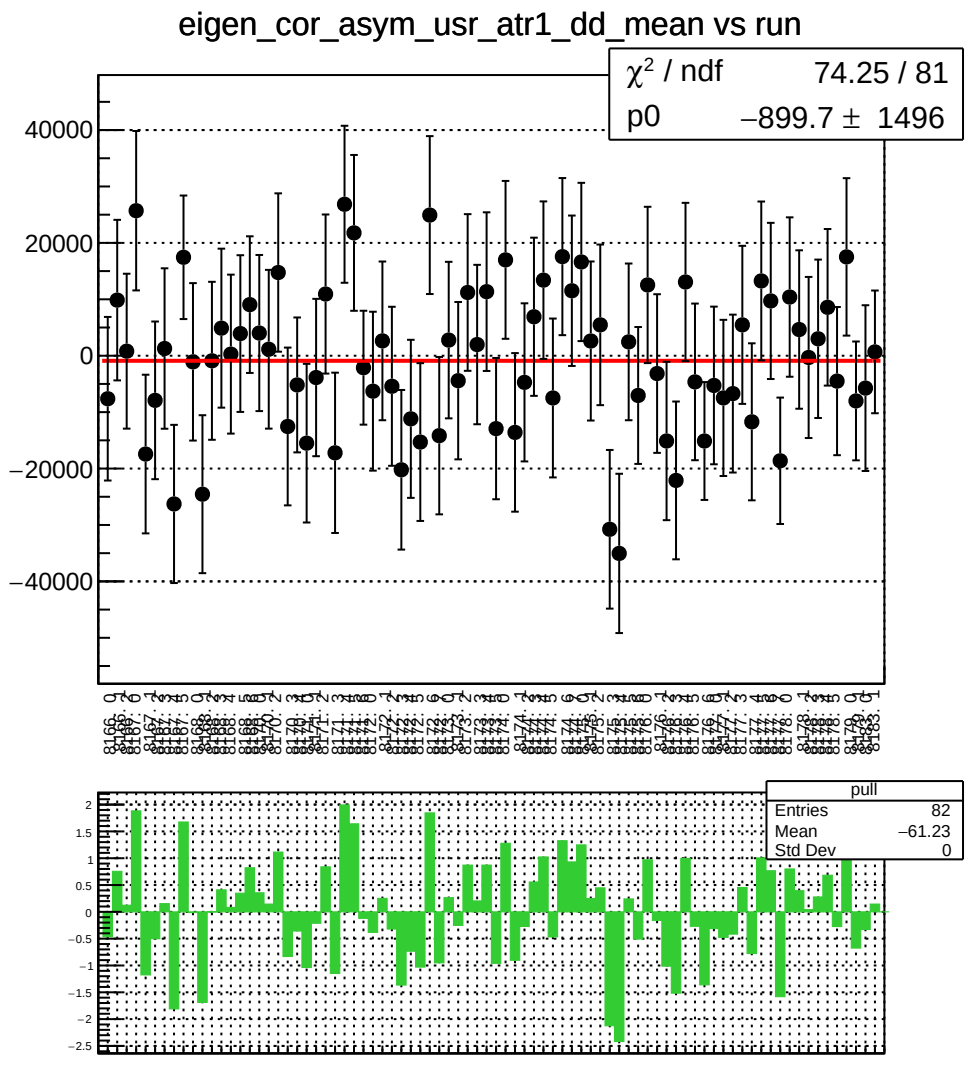

pull1D
Entries 82
Mean 0.007352
Std Dev 0.9516
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

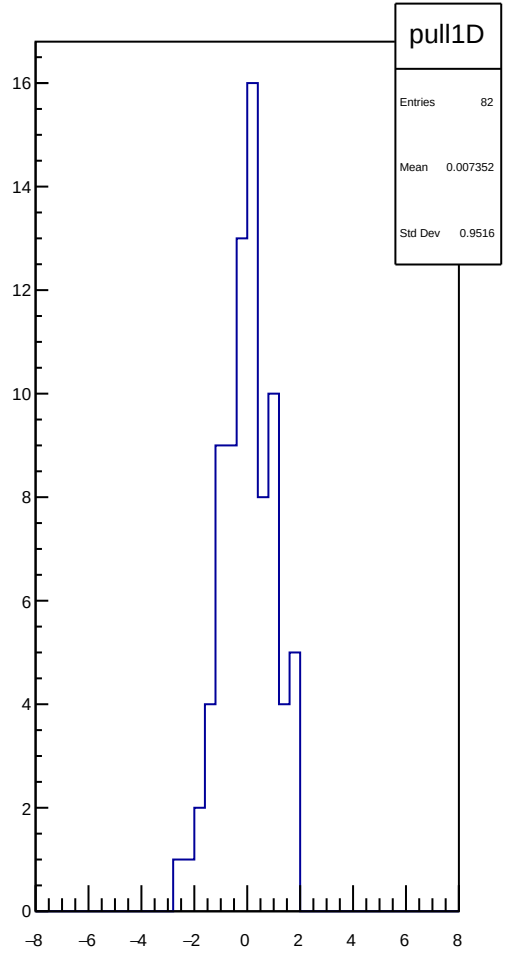

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 136.3 / 81
p0 1331 ± 1.058
1400
1380
1360
1340
1320
1300

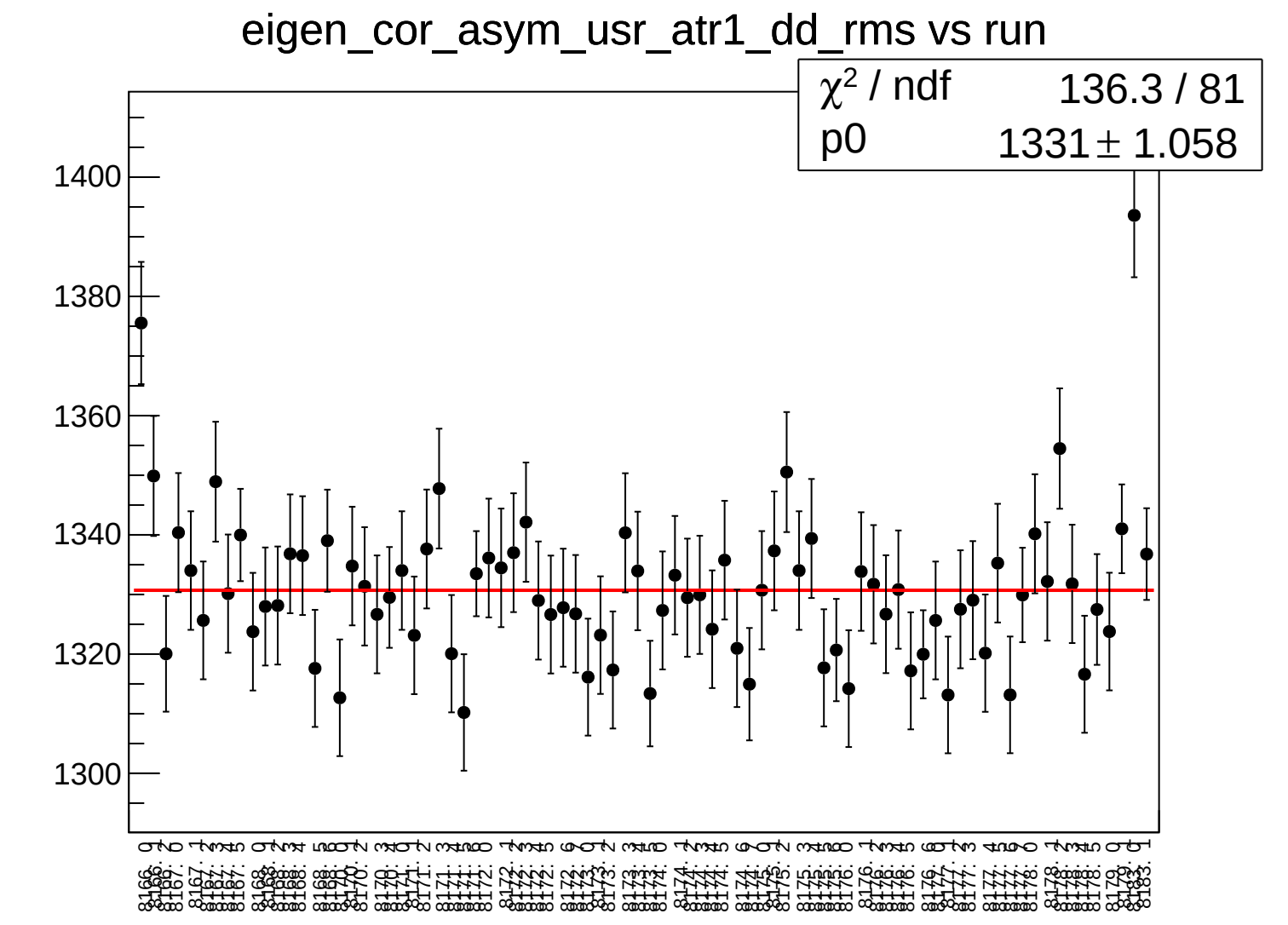

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 77.05 / 81
p0 1492 ± 556.1
pull
Entries 82
Mean −278
Std Dev 0

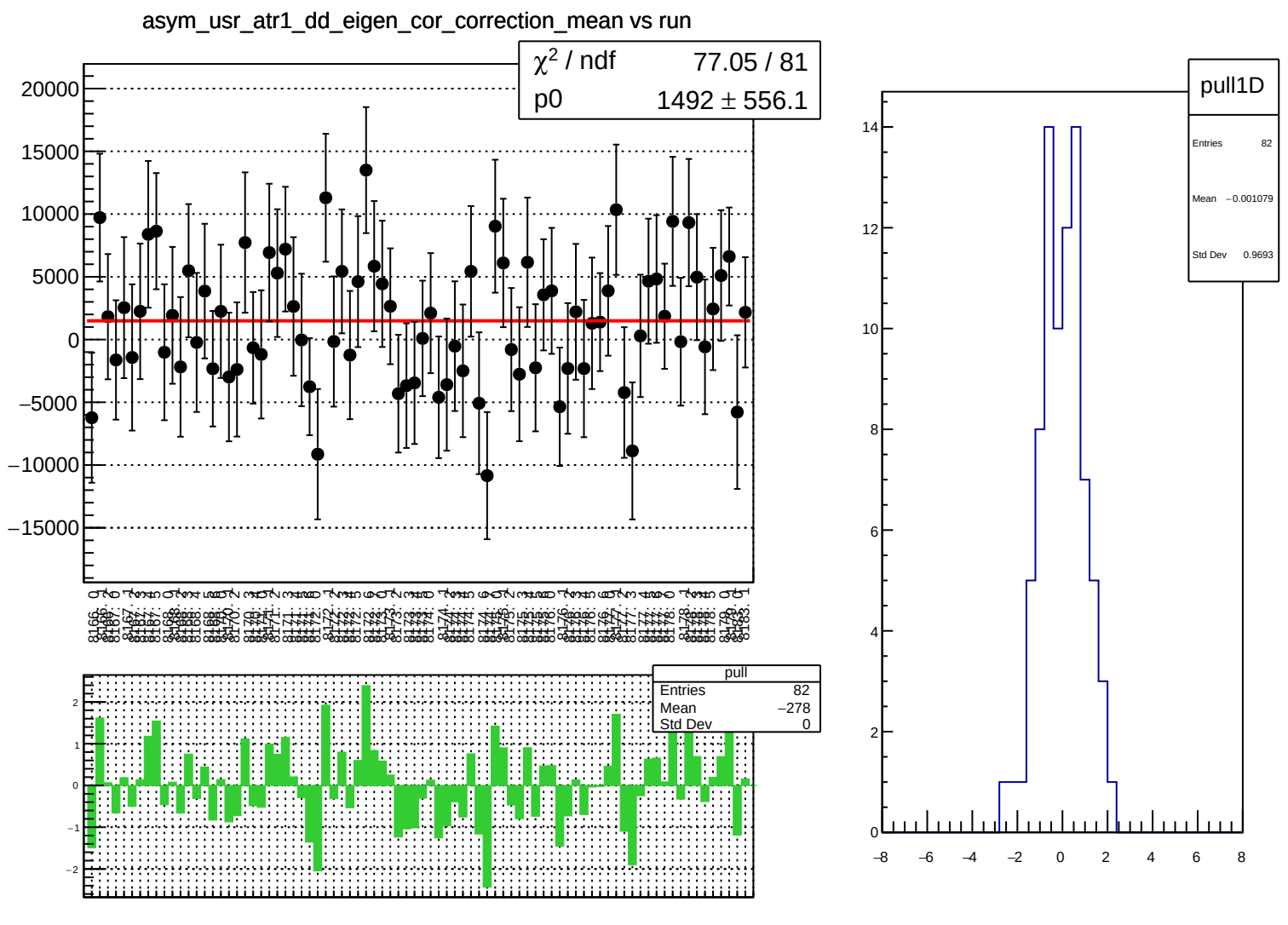

pull1D
Entries 82
Mean −0.001079
Std Dev 0.9693

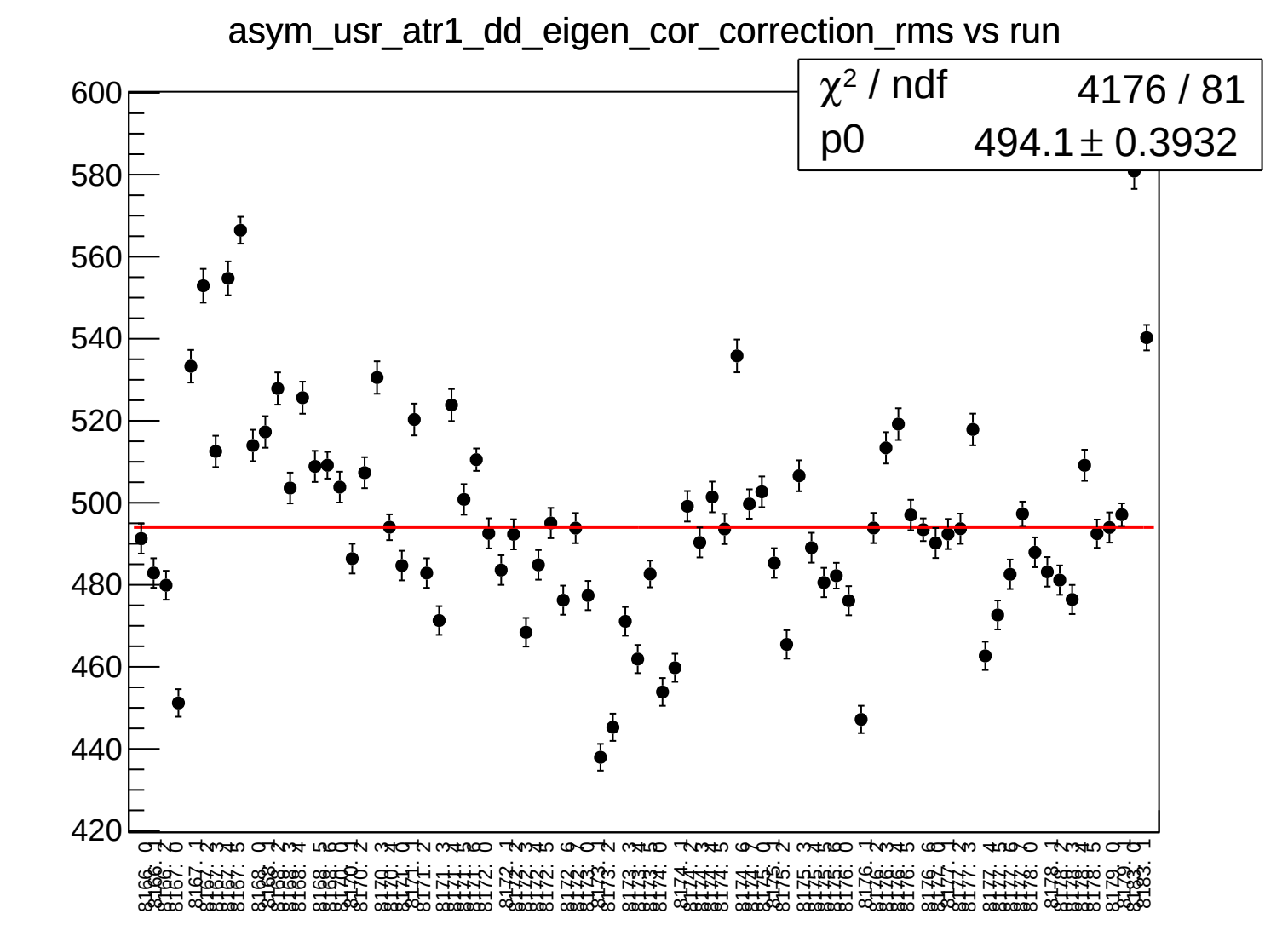

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4176 / 81
p0 494.1 ± 0.3932
600
580
560
540
520
500
480
460
440
420

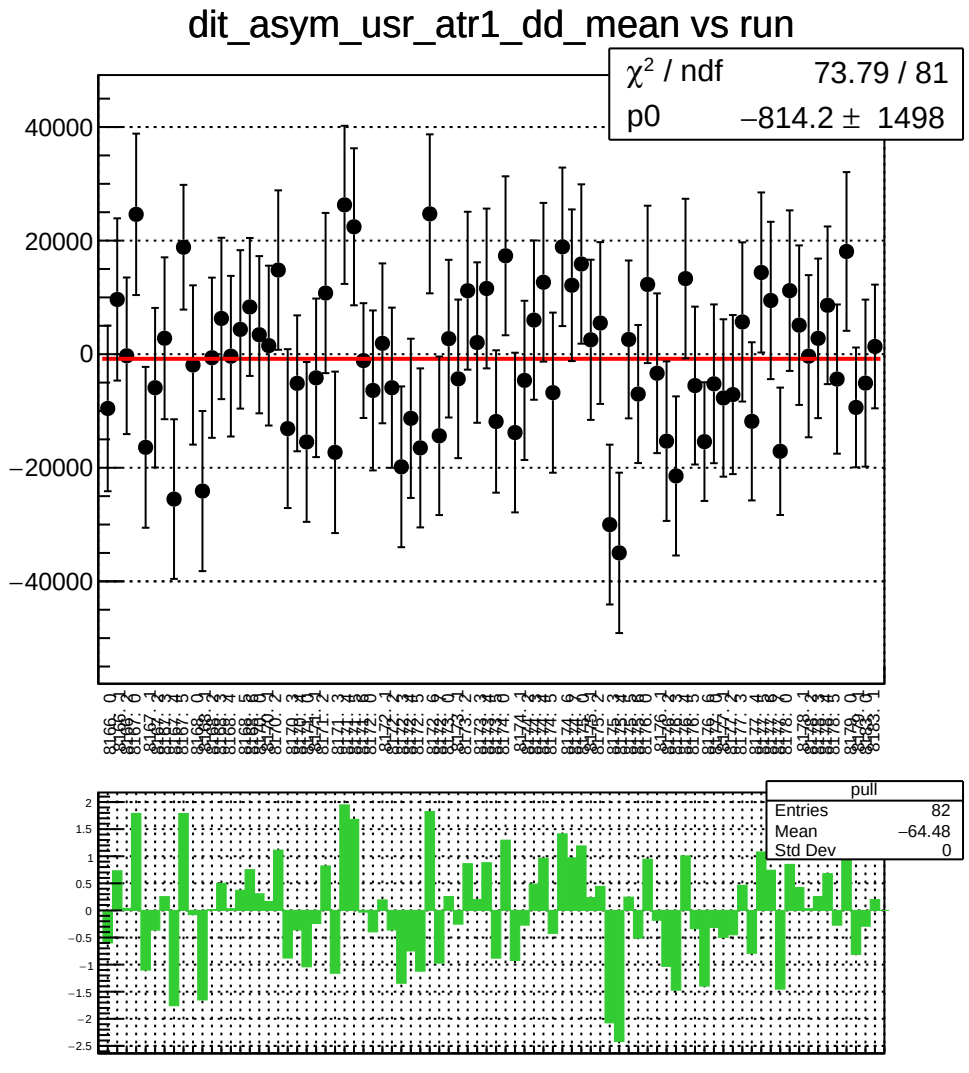

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 74.25 / 81
p0 −899.7 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −61.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

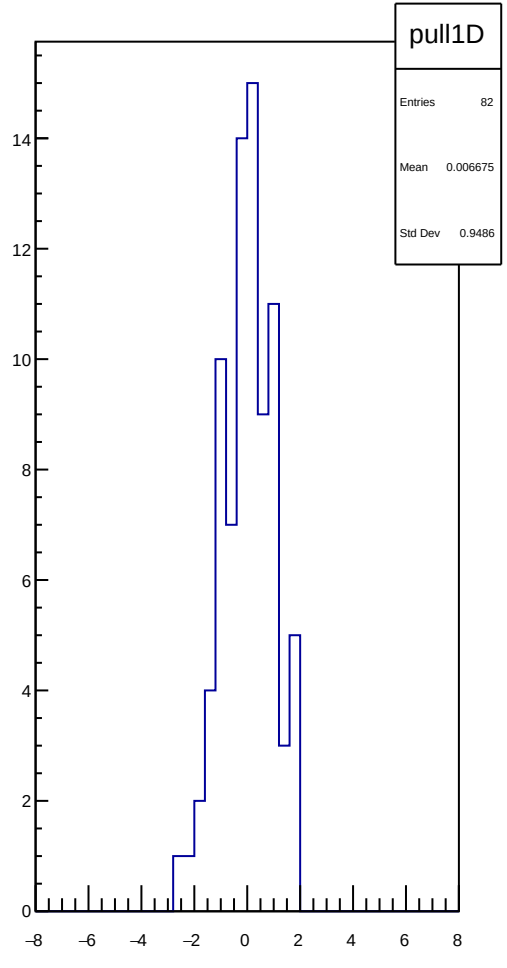

pull1D
Entries 82
Mean 0.007352
Std Dev 0.9516
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

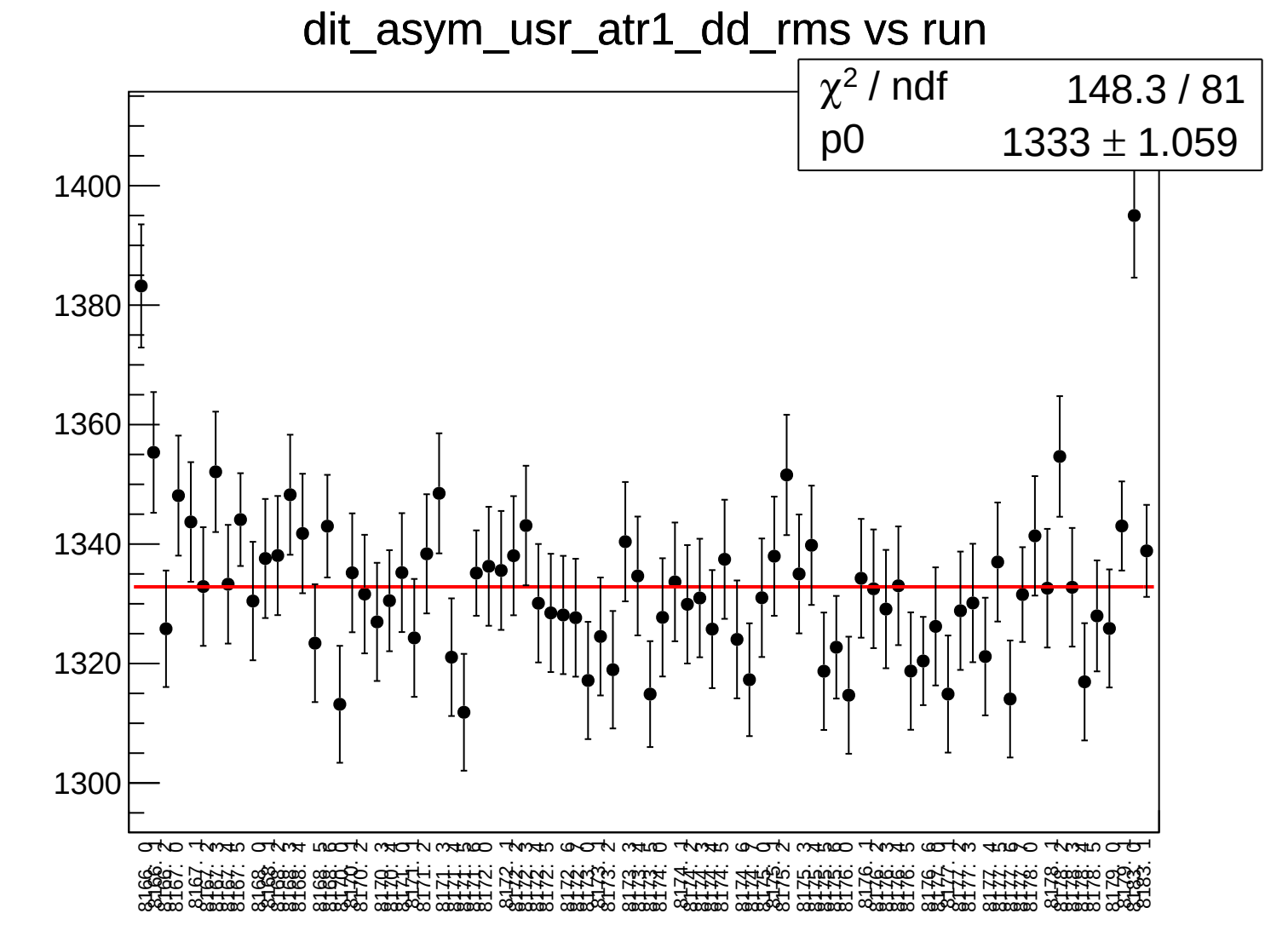

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 136.3 / 81
p0 1331 ± 1.058
1400
1380
1360
1340
1320
1300

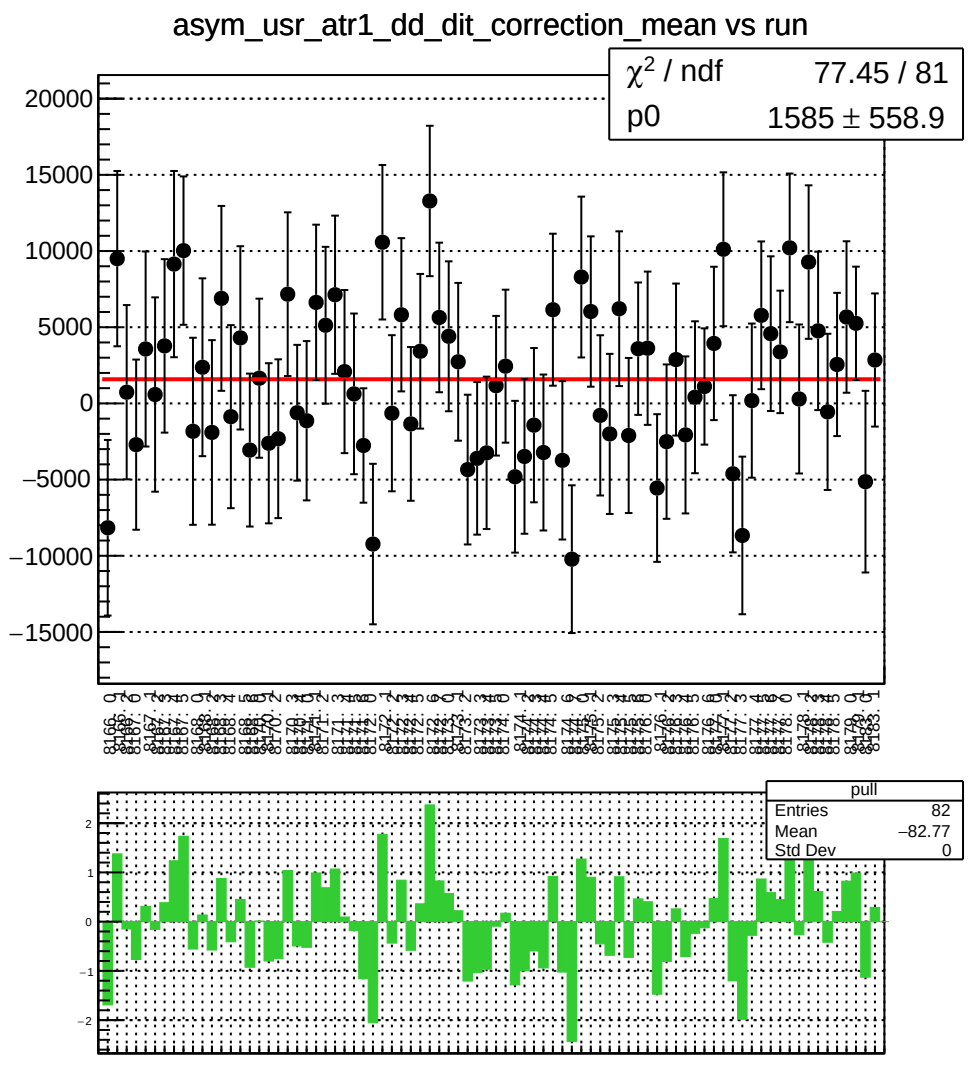

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.05 / 81
p0 1492 ± 556.1
pull
Entries 82
Mean −278
Std Dev 0
pull1D
Entries 82
Mean −0.001079
Std Dev 0.9693

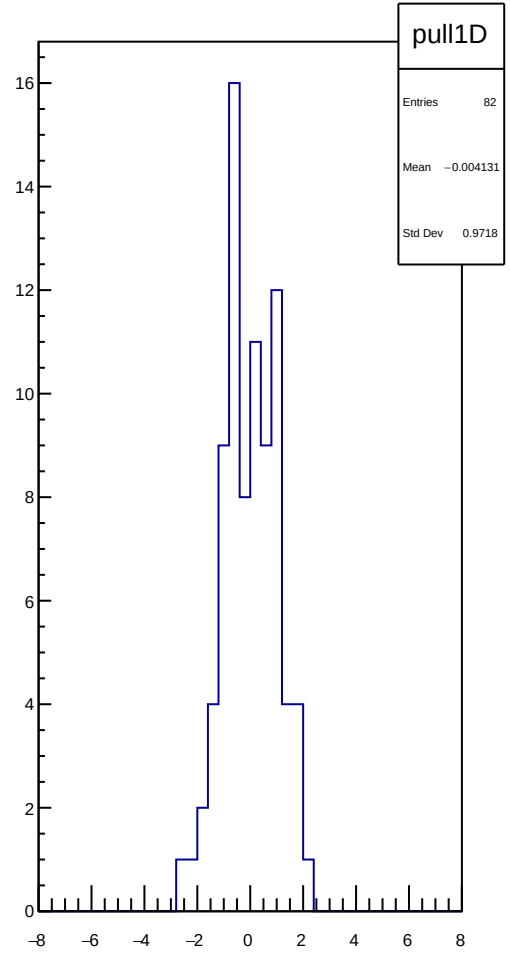

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4176 / 81
p0 494.1 ± 0.3932
600
580
560
540
520
500
480
460
440
420

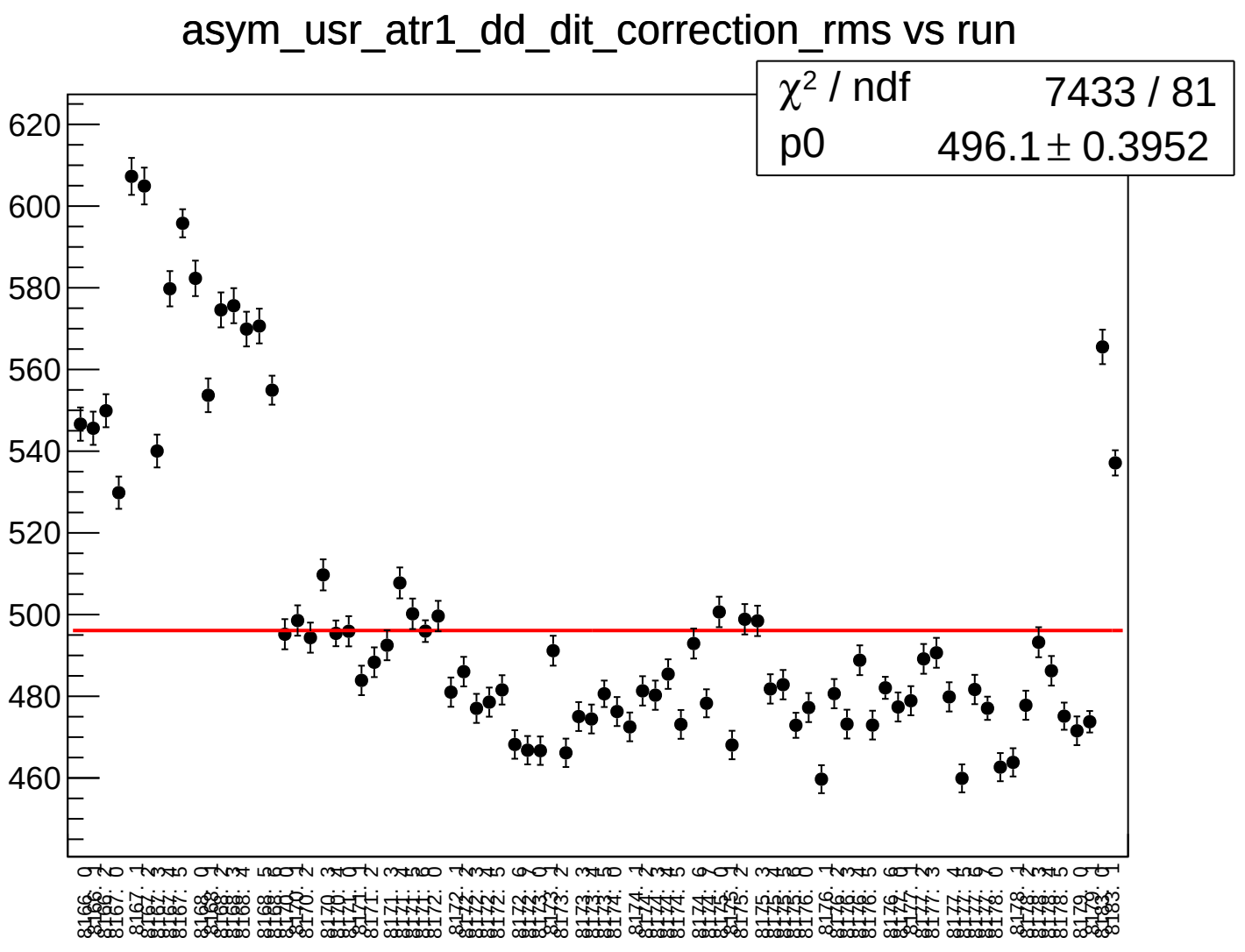

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 73.79 / 81
p0 −814.2 ± 1498
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −64.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

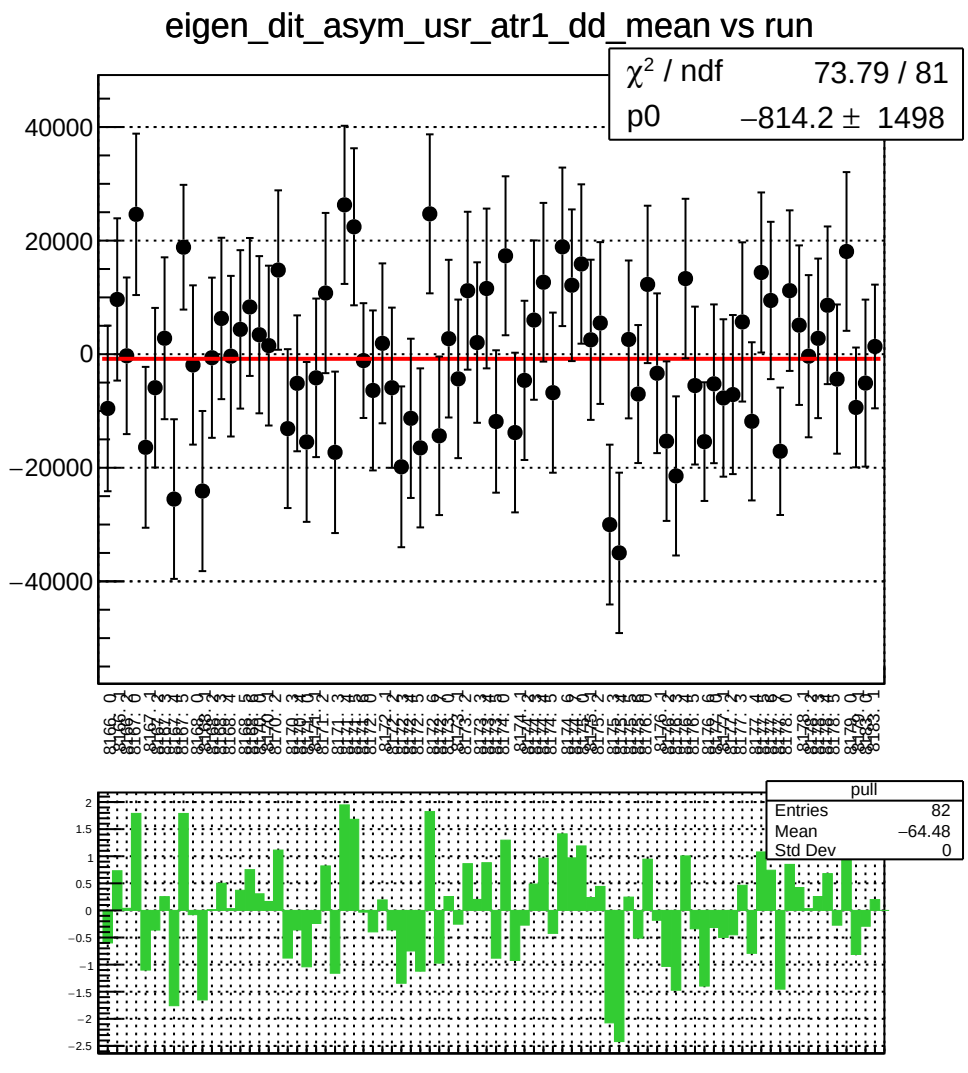

pull1D
Entries 82
Mean 0.006675
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

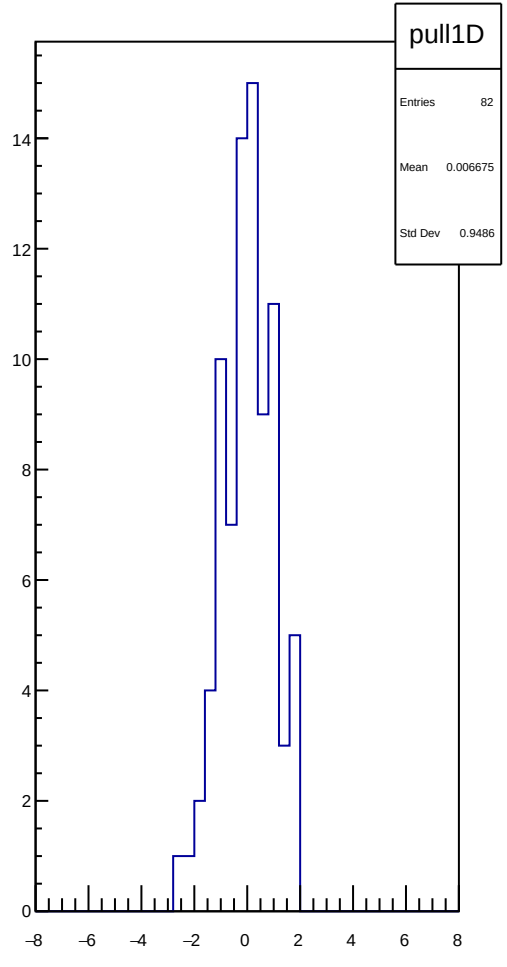

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 148.3 / 81
p0 1333 ± 1.059
1400
1380
1360
1340
1320
1300

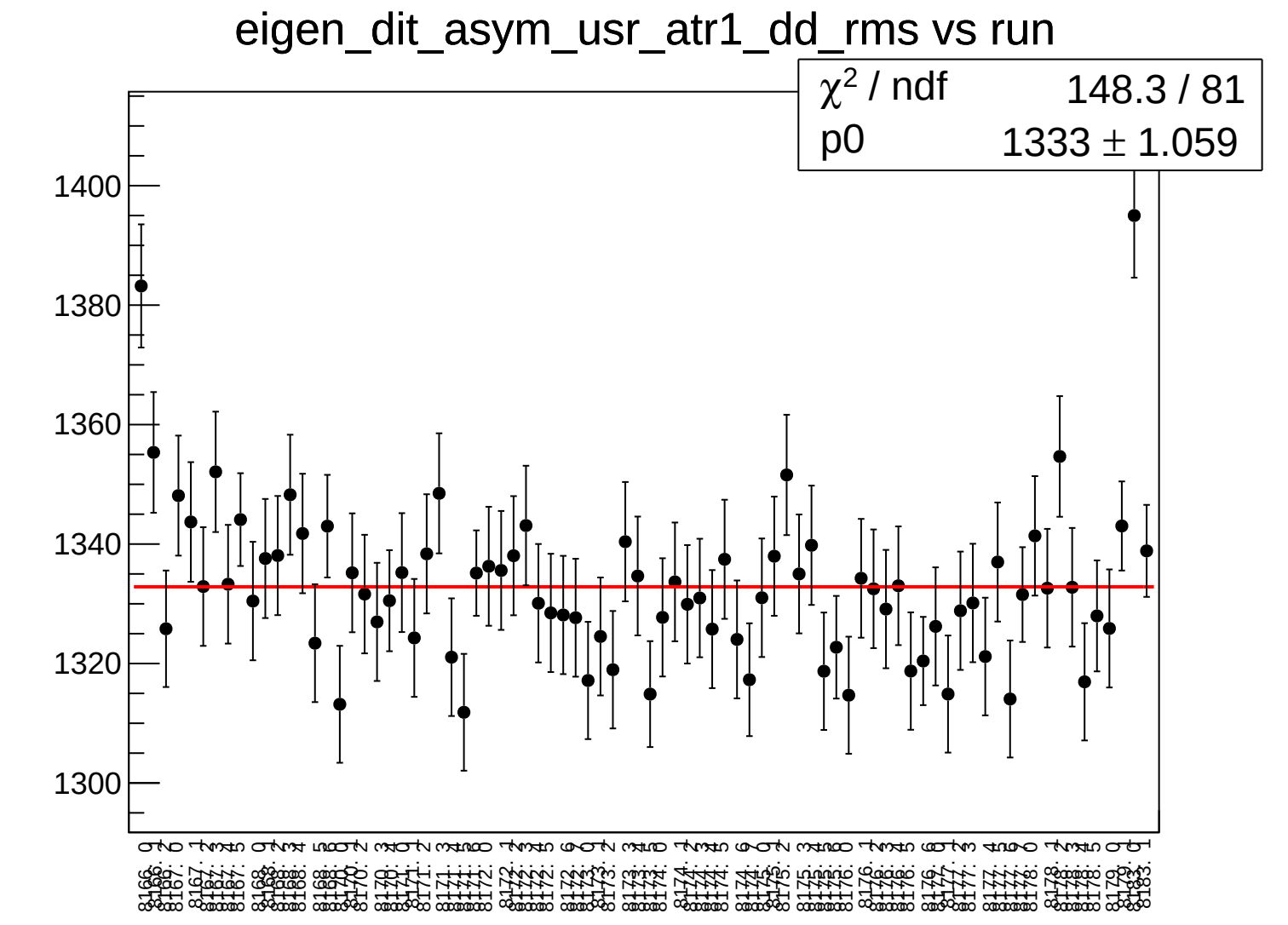

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 77.45 / 81
p0 1585 ± 558.9
pull
Entries 82
Mean −82.77
Std Dev 0

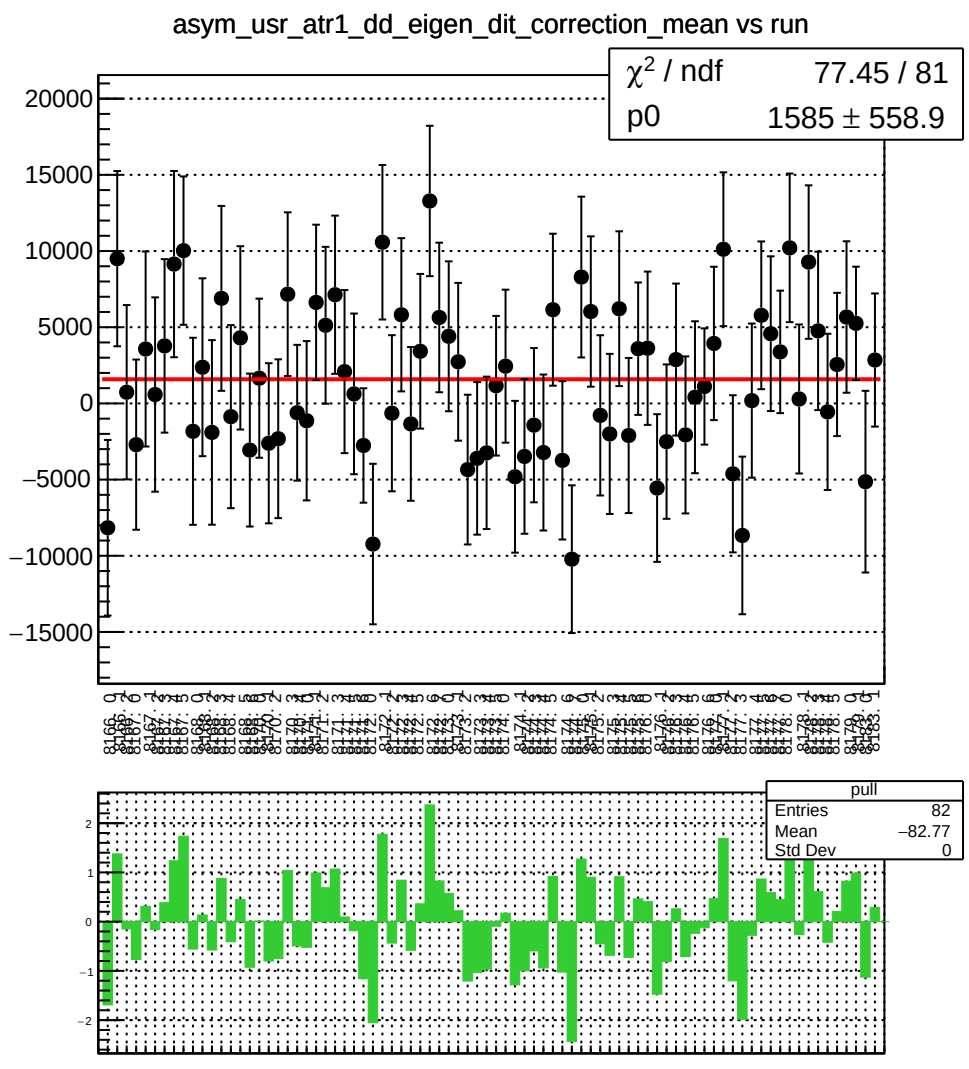

pull1D
Entries 82
Mean −0.004131
Std Dev 0.9718

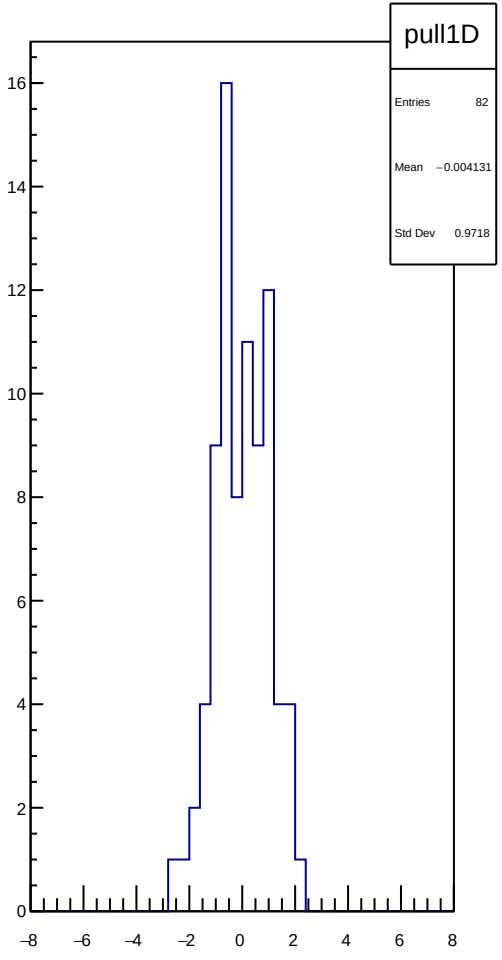

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 7433 / 81
p0 496.1 ± 0.3952
620
600
580
560
540
520
500
480
460

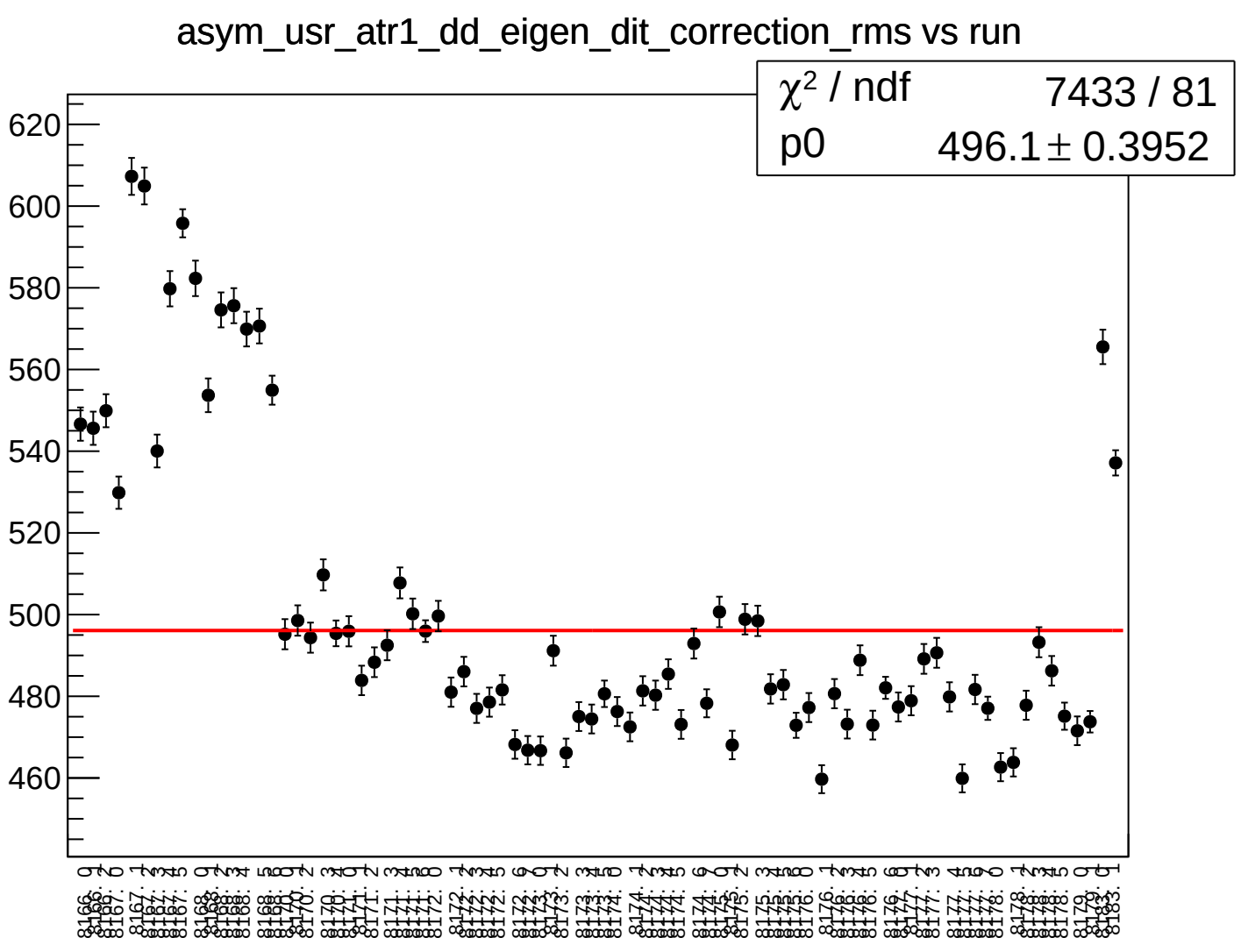

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 73.79 / 81
p0 −814.2 ± 1498
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −64.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

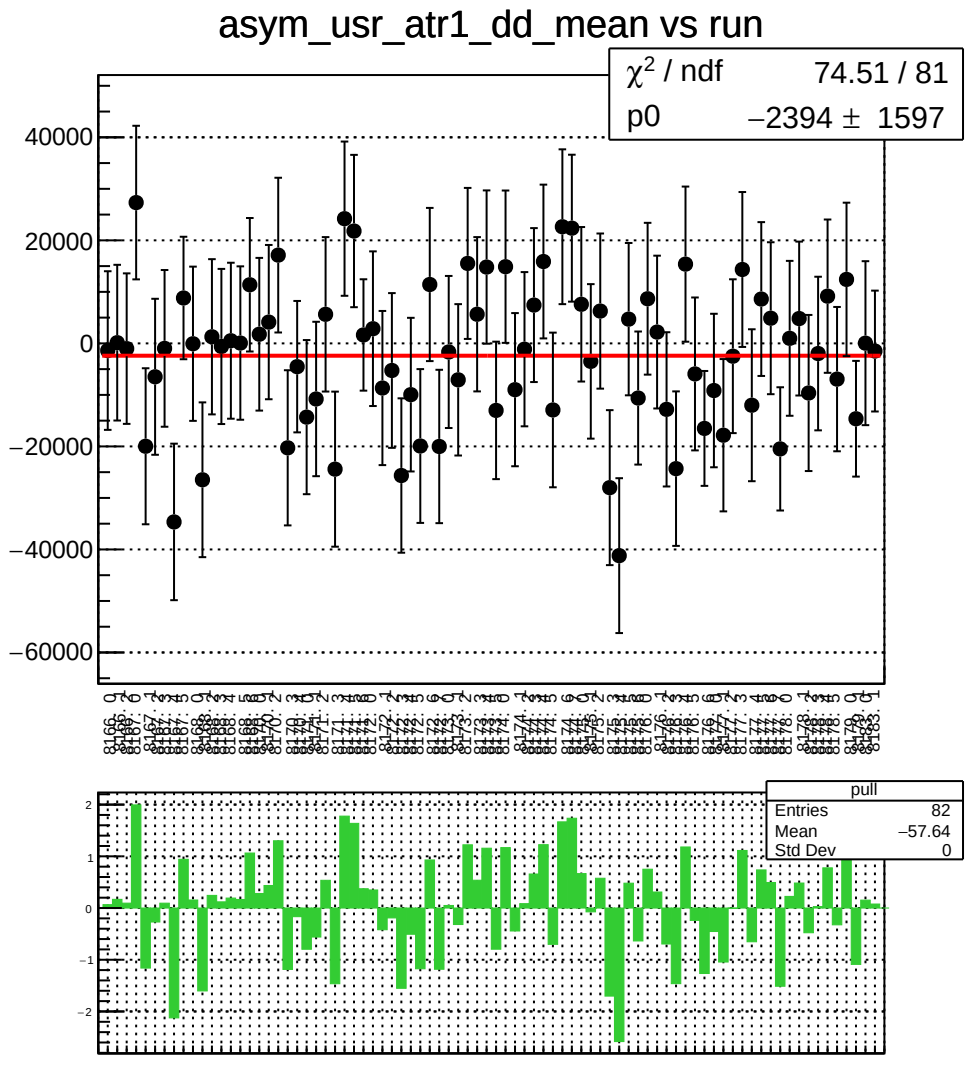

pull1D
Entries 82
Mean 0.006675
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

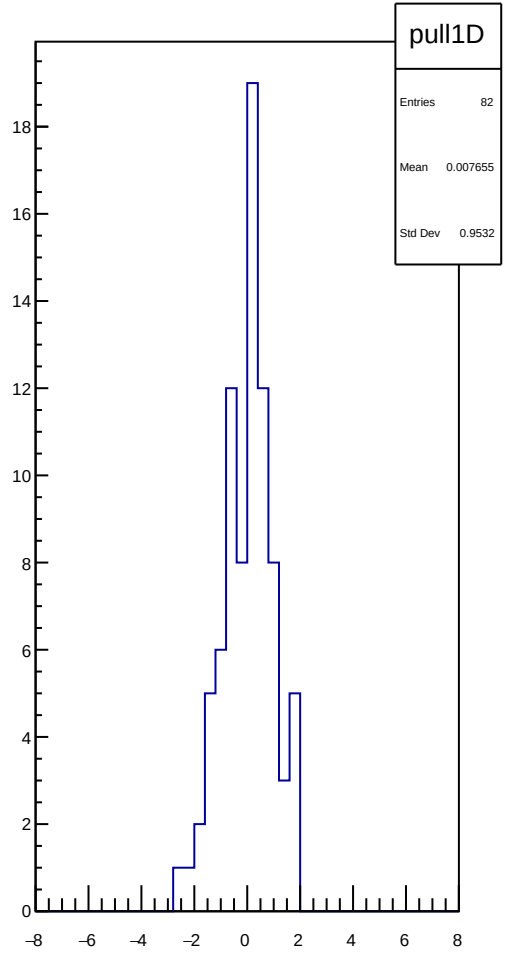

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 148.3 / 81
p0 1333 ± 1.059
1400
1380
1360
1340
1320
1300

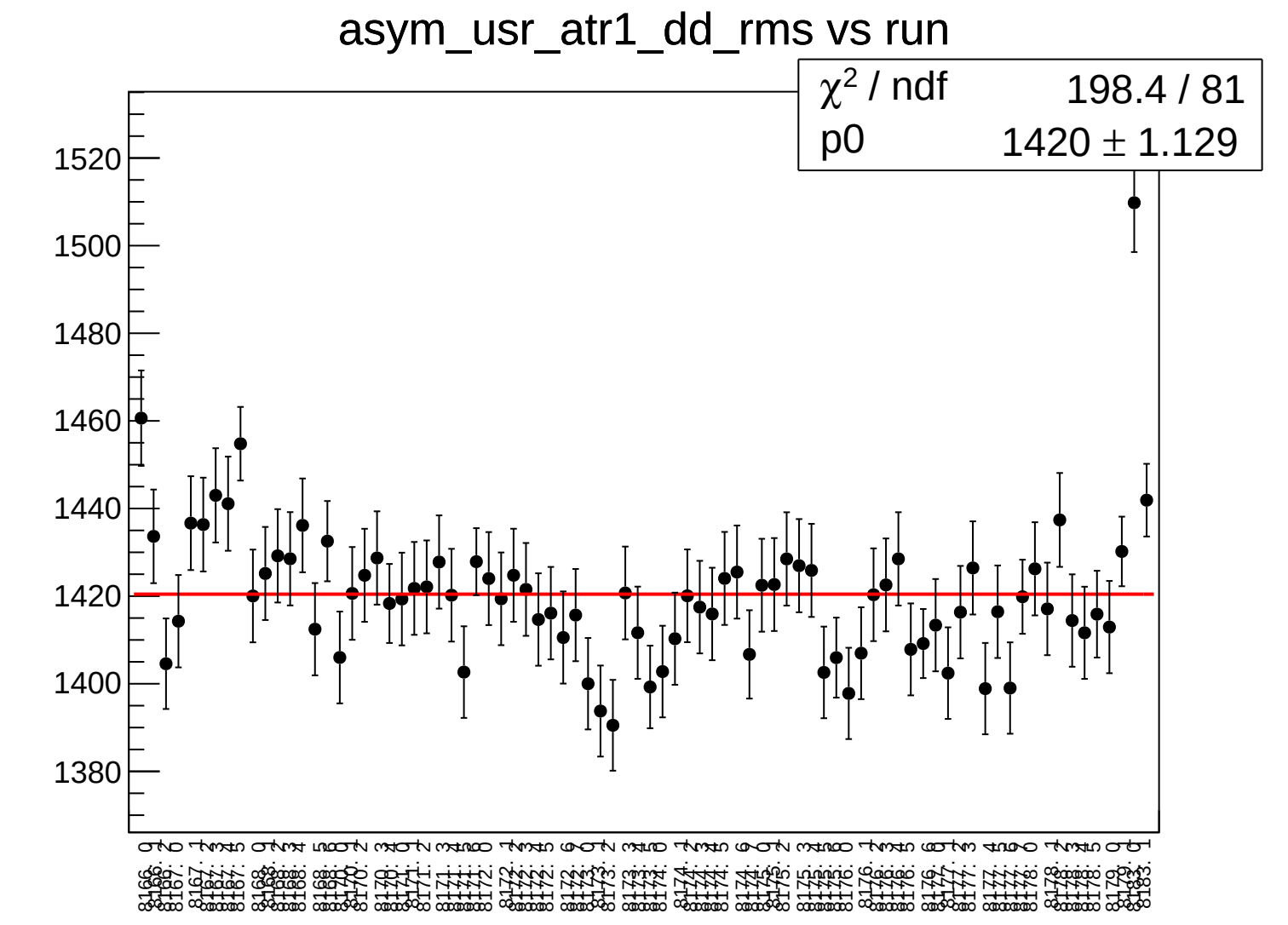

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.45 / 81
p0 1585 ± 558.9
pull
Entries 82
Mean −82.77
Std Dev 0

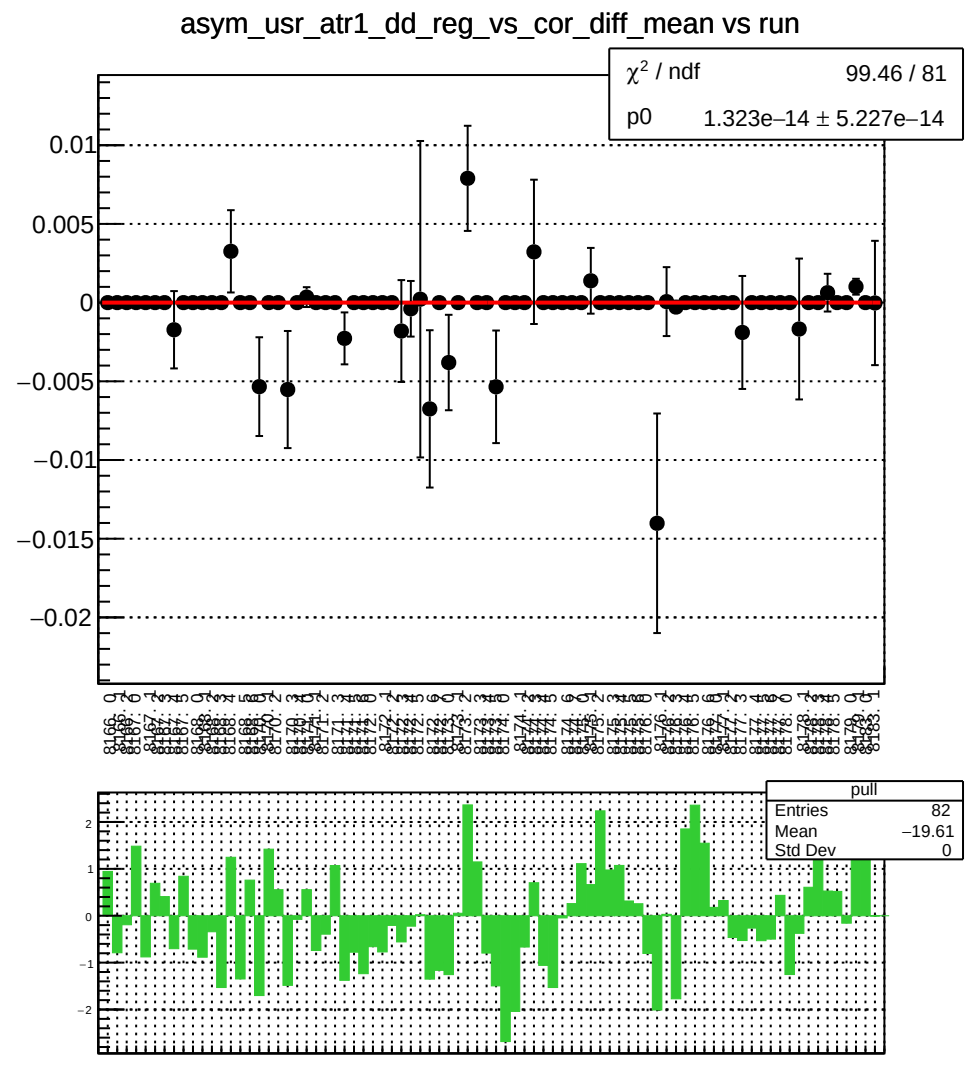

pull1D
Entries 82
Mean −0.004131
Std Dev 0.9718

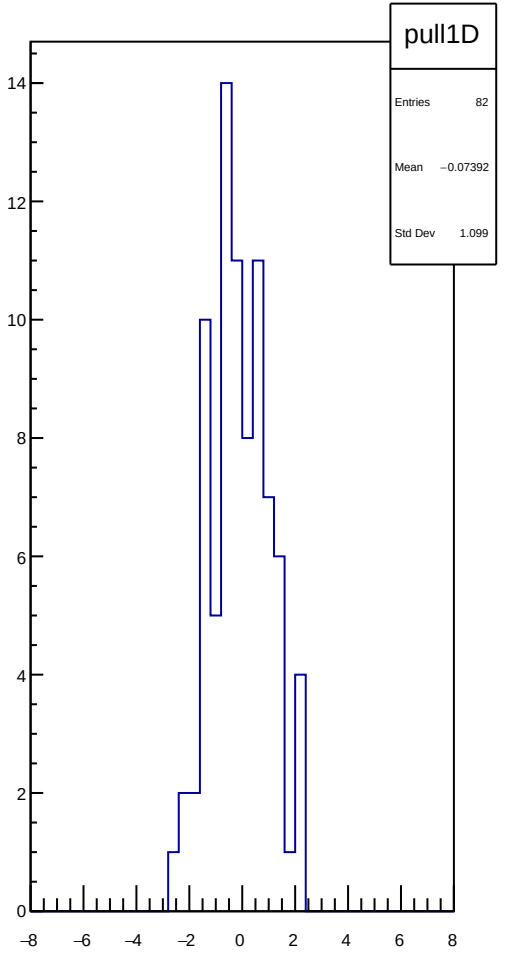

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 7433 / 81
p0 496.1 ± 0.3952
620
600
580
560
540
520
500
480
460

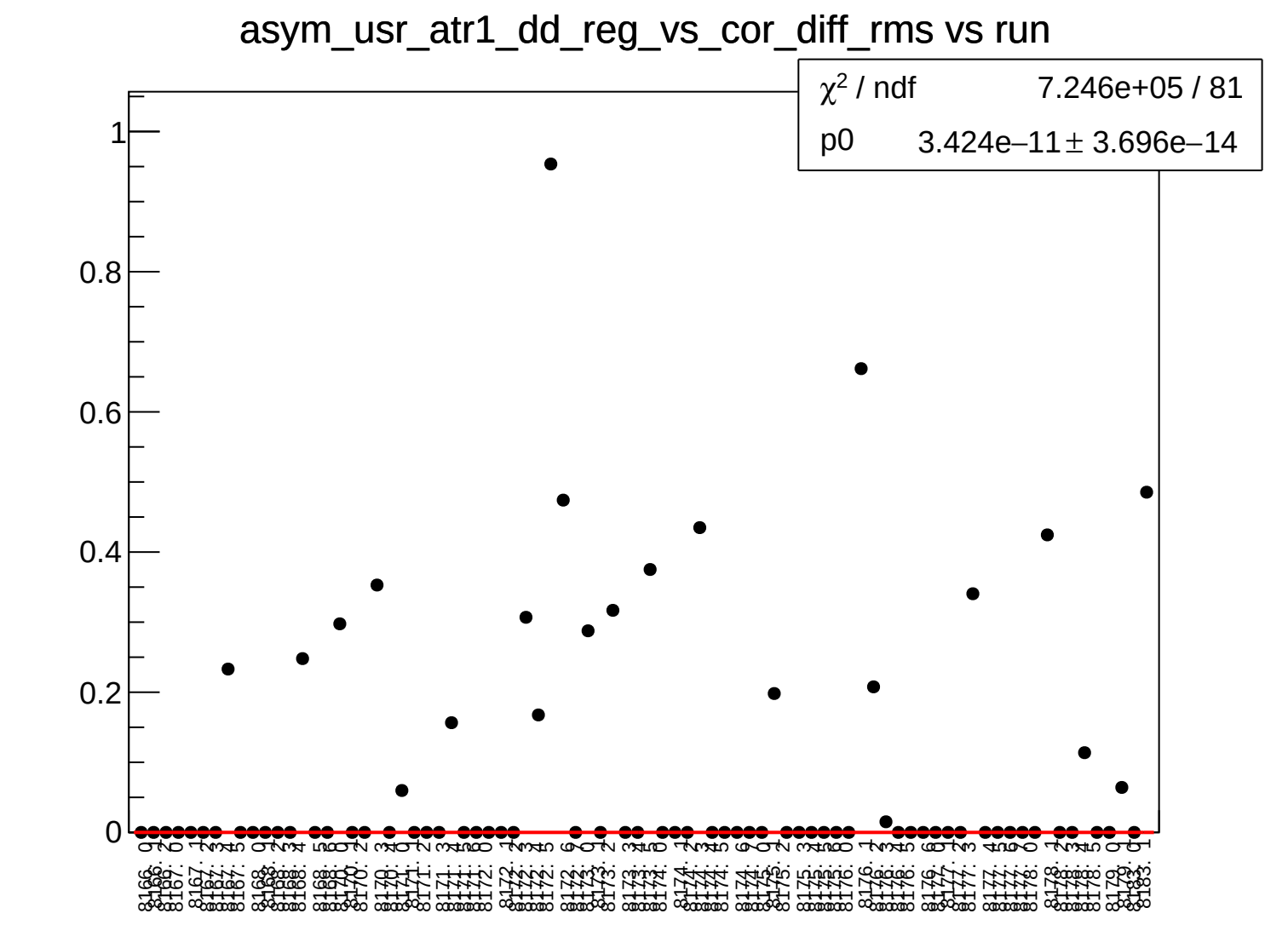

asym_usr_atr1_dd_mean vs run
χ² / ndf 74.51 / 81
p0 −2394 ± 1597
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −57.64
Std Dev 0
2
1
0
−1
−2

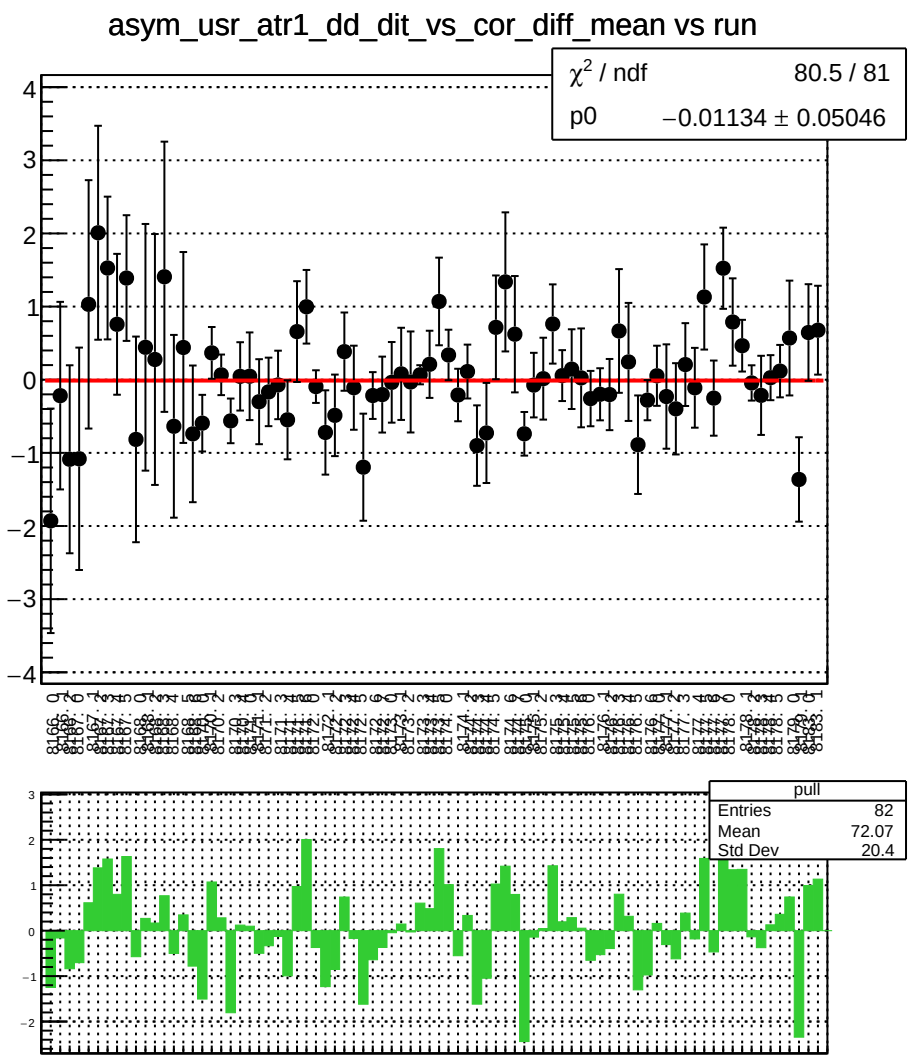

pull1D
Entries 82
Mean 0.007655
Std Dev 0.9532
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

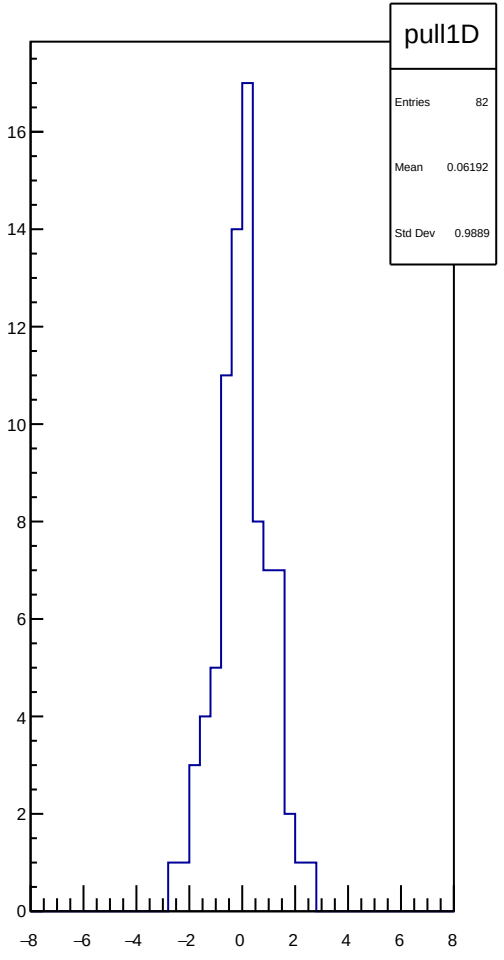

asym_usr_atr1_dd_rms vs run
χ² / ndf 198.4 / 81
p0 1420 ± 1.129
1520
1500
1480
1460
1440
1420
1400
1380

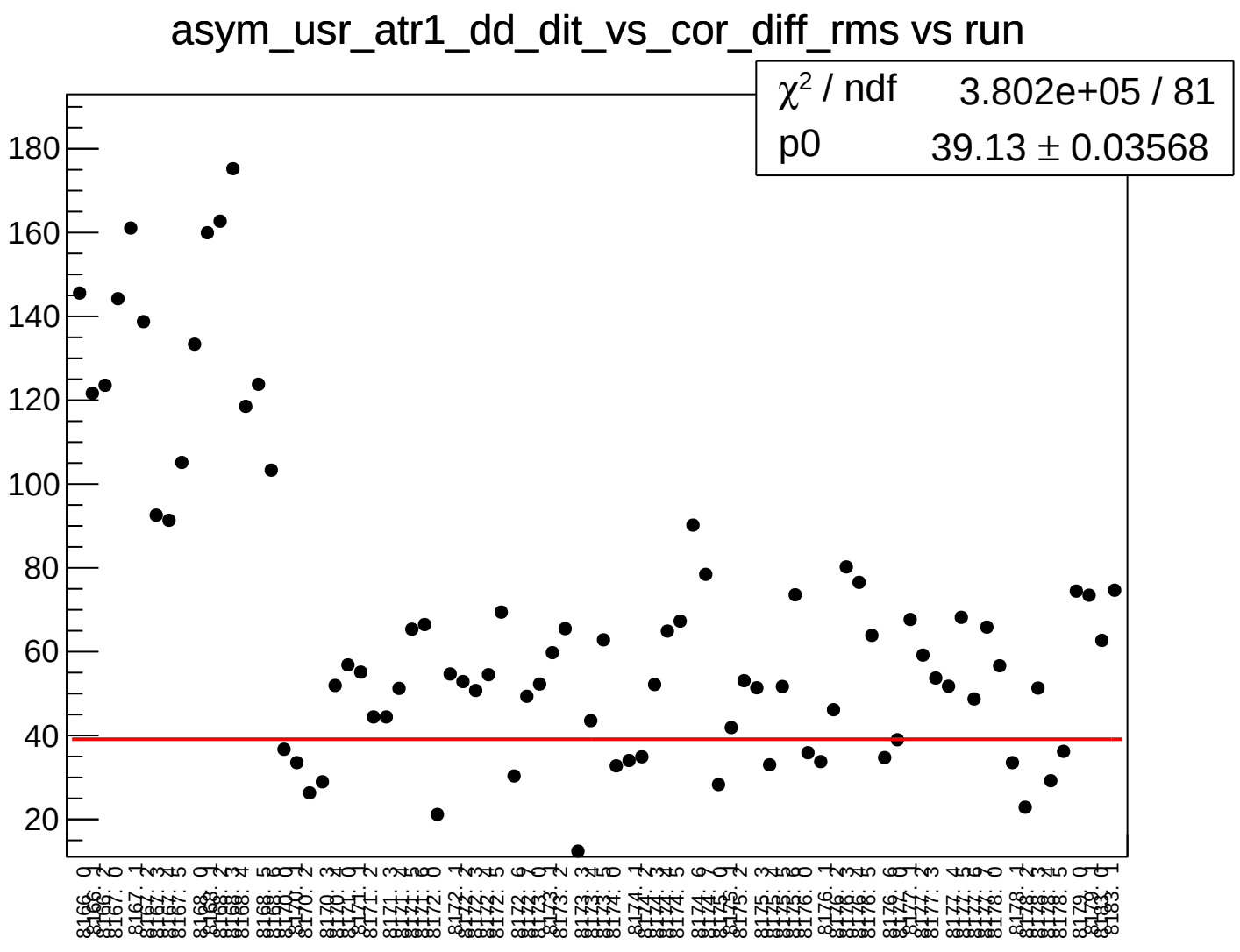

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 99.46 / 81
p0 1.323e−14 ± 5.227e−14
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 82
Mean −19.61
Std Dev 0
2
1
0
−1
−2

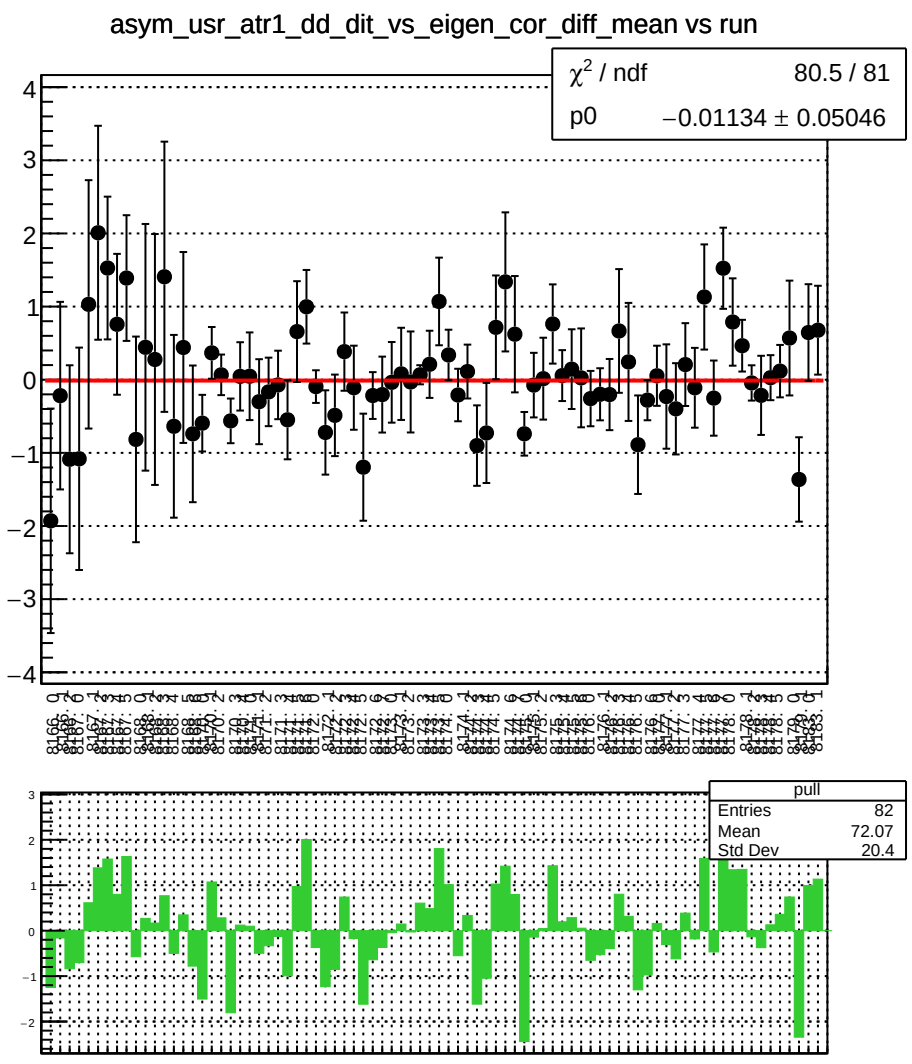

pull1D
Entries 82
Mean −0.07392
Std Dev 1.099
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

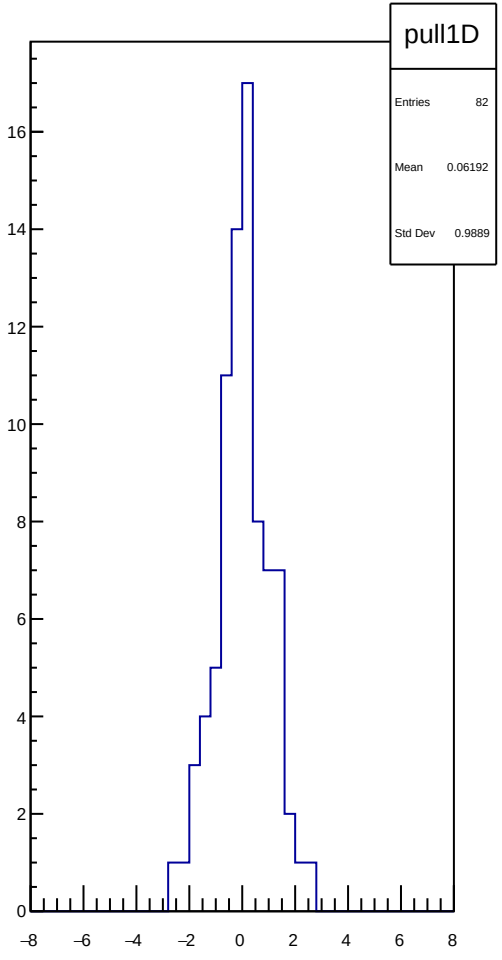

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.246e+05 / 81
p0 3.424e−11 ± 3.696e−14
1
0.8
0.6
0.4
0.2
0

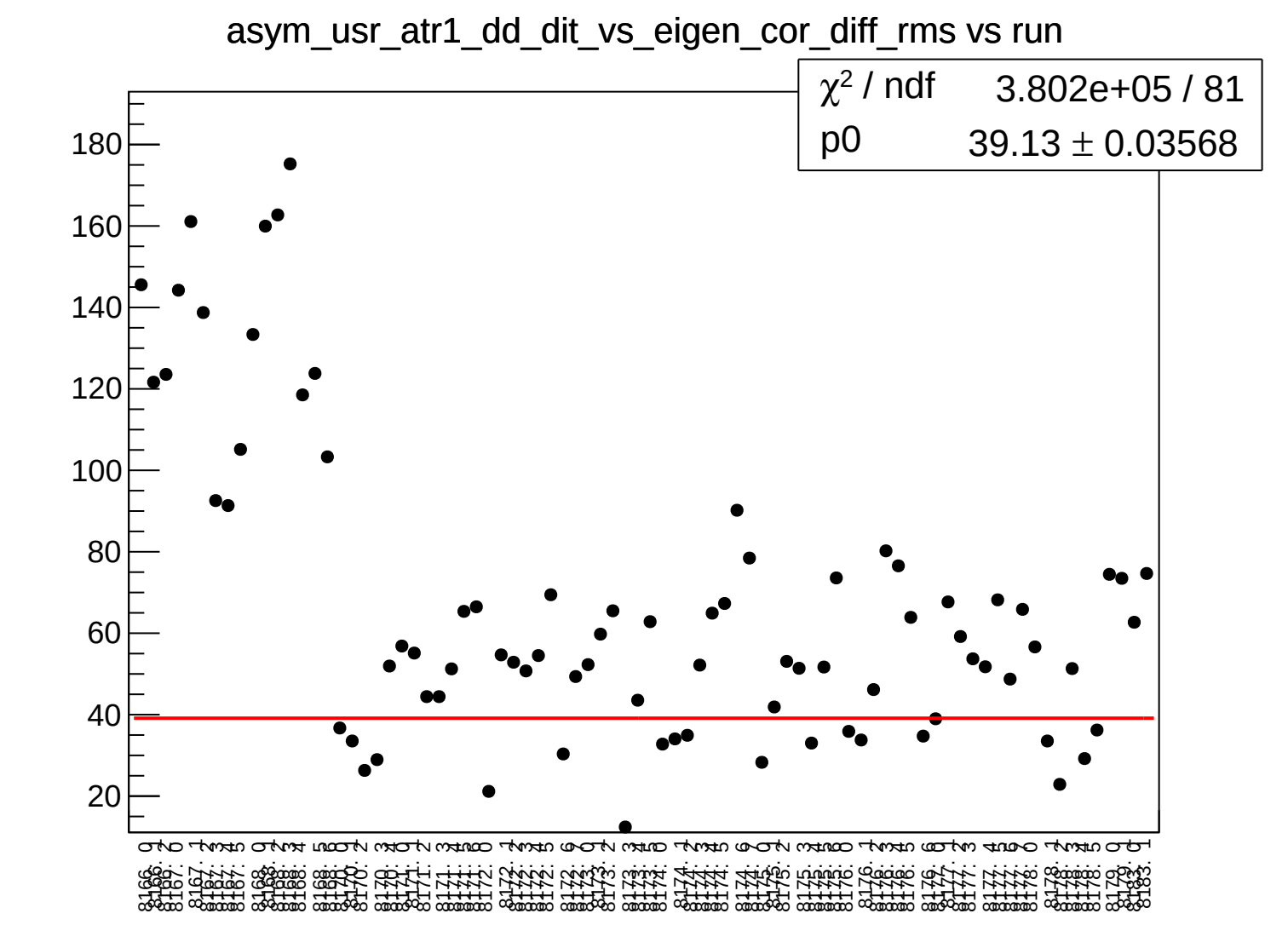

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.5 / 81
p0 −0.01134 ± 0.05046
pull
Entries 82
Mean 72.07
Std Dev 20.4

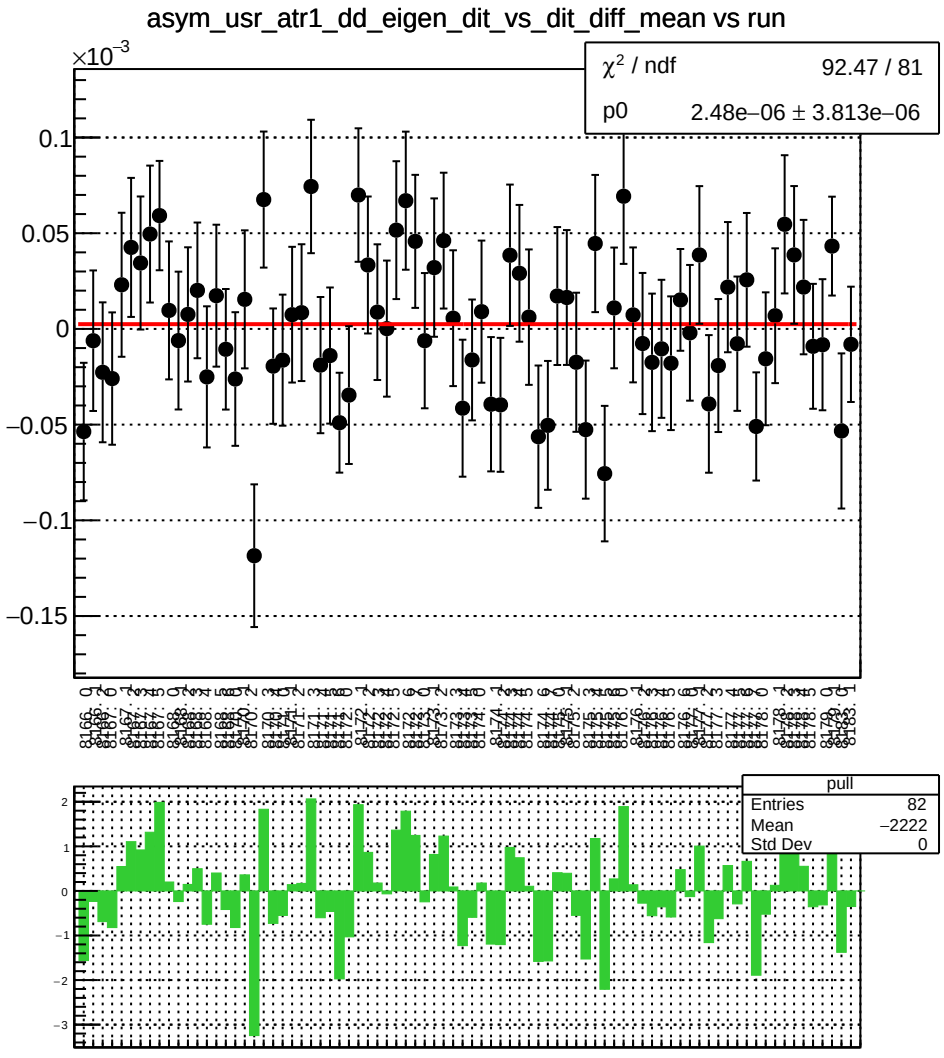

pull1D
Entries 82
Mean 0.06192
Std Dev 0.9889

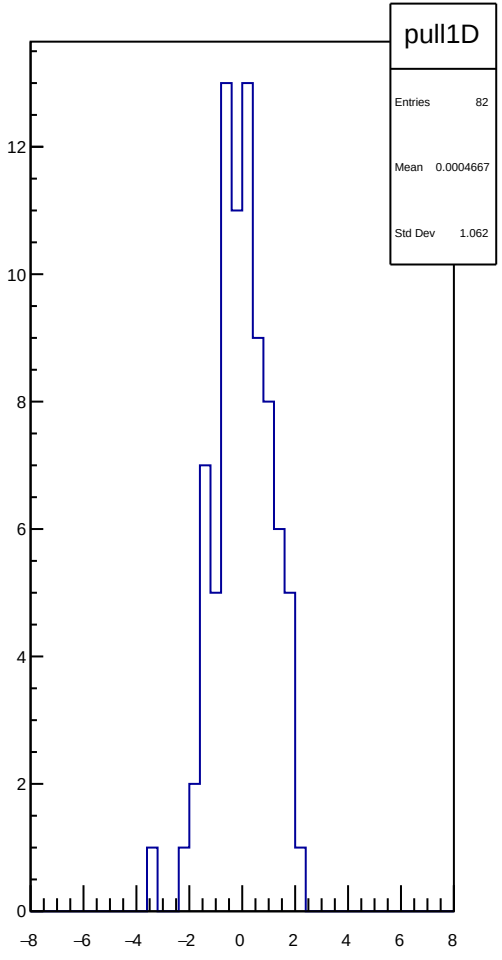

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.802e+05 / 81
p0 39.13 ± 0.03568
180
160
140
120
100
80
60
40
20

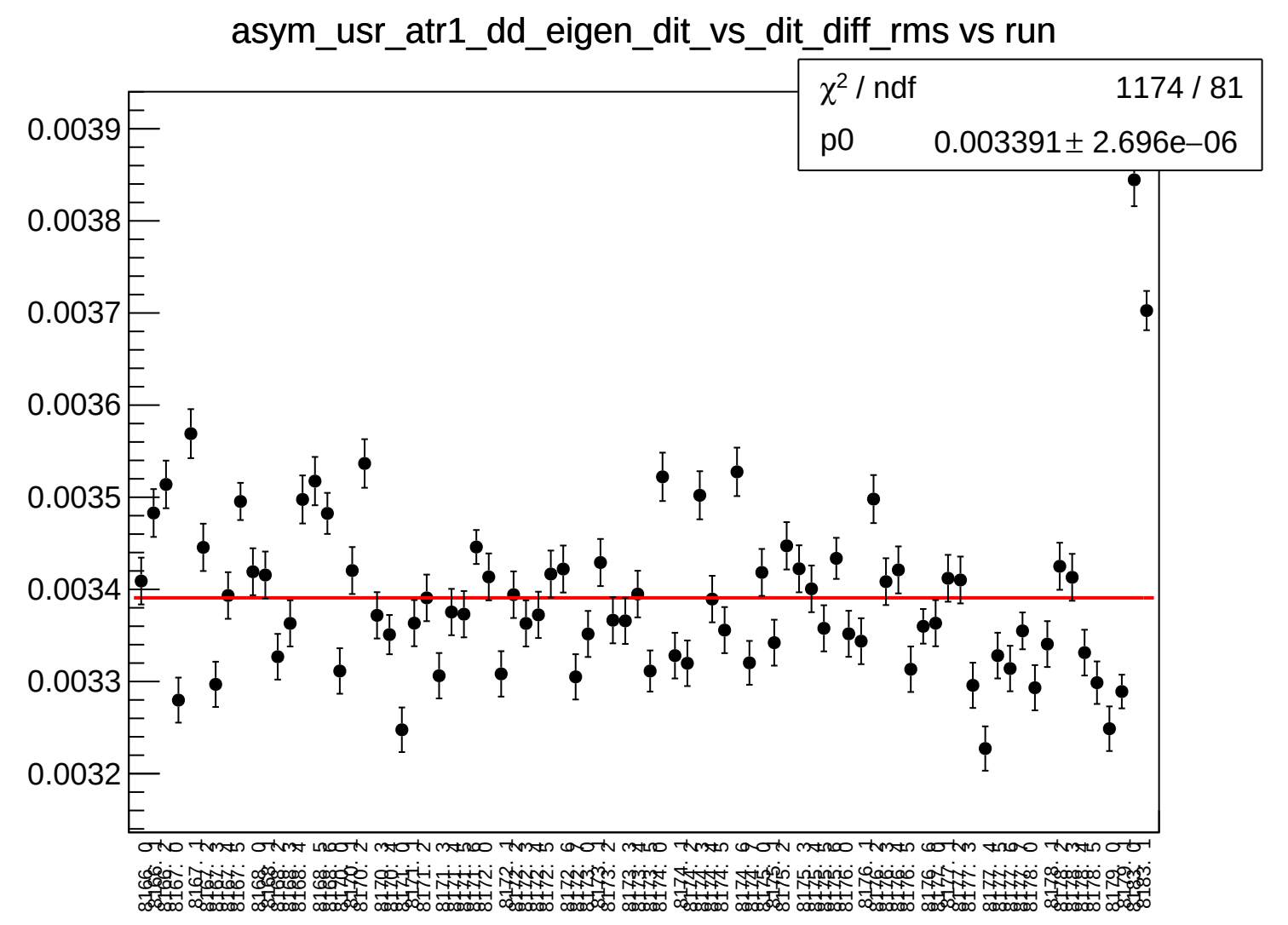

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.5 / 81
p0 −0.01134 ± 0.05046
pull
Entries 82
Mean 72.07
Std Dev 20.4

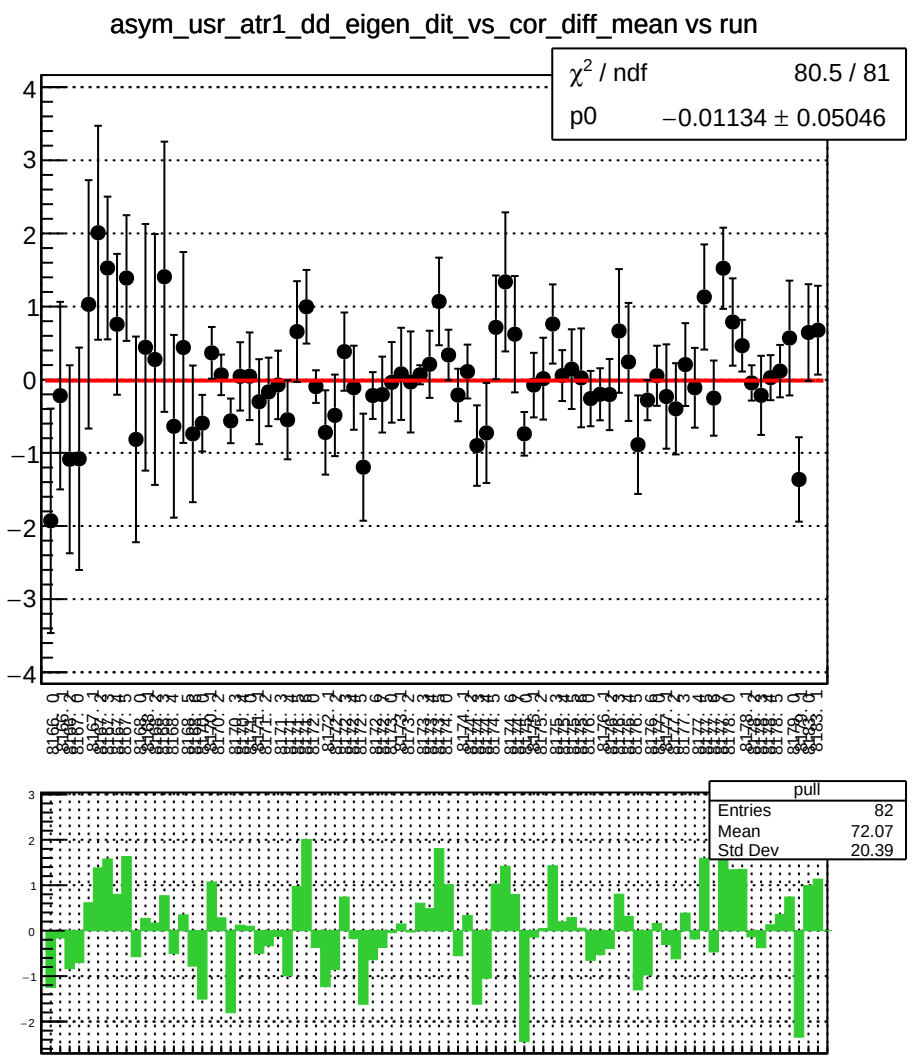

pull1D
Entries 82
Mean 0.06192
Std Dev 0.9889

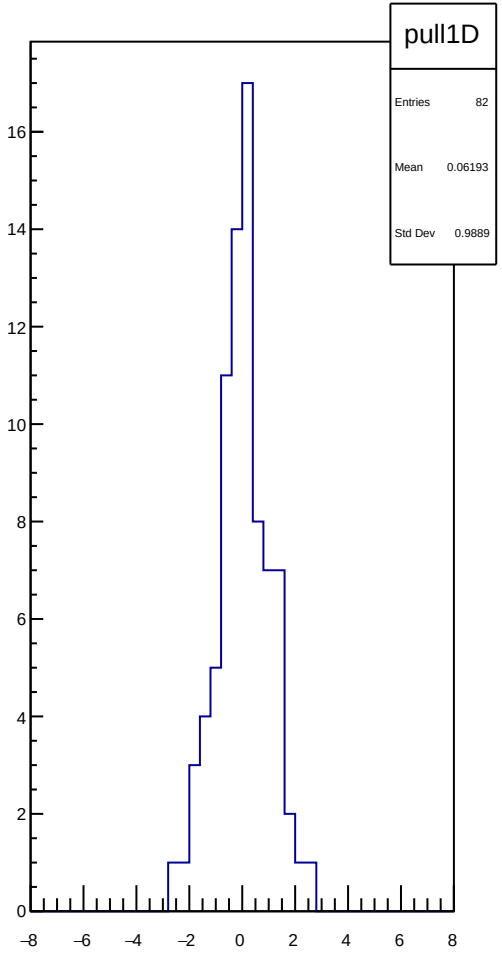

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.802e+05 / 81
p0 39.13 ± 0.03568
180
160
140
120
100
80
60
40
20

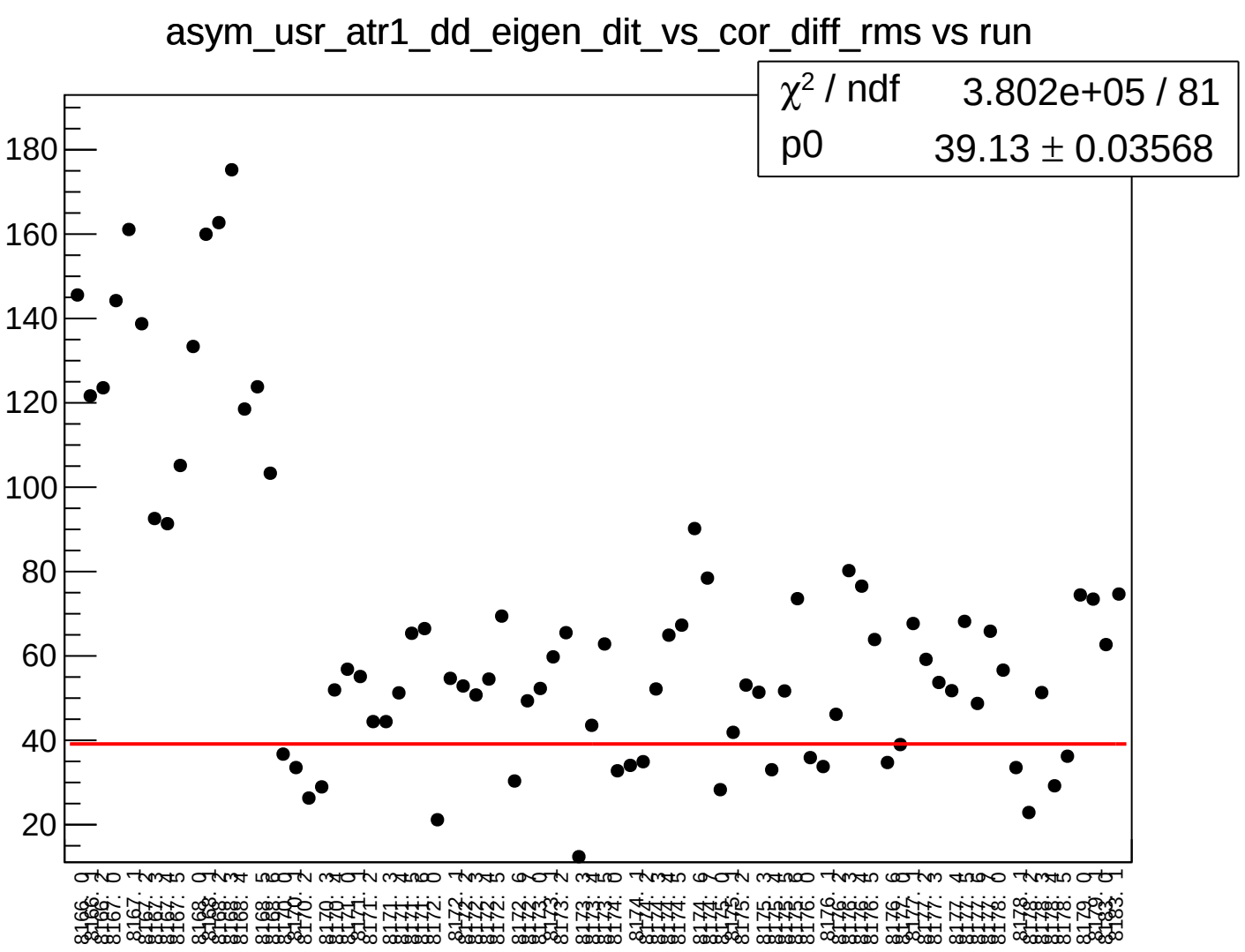

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.47 / 81
p0 2.48e−06 ± 3.813e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 82
Mean −2222
Std Dev 0
2
1
0
−1
−2
−3

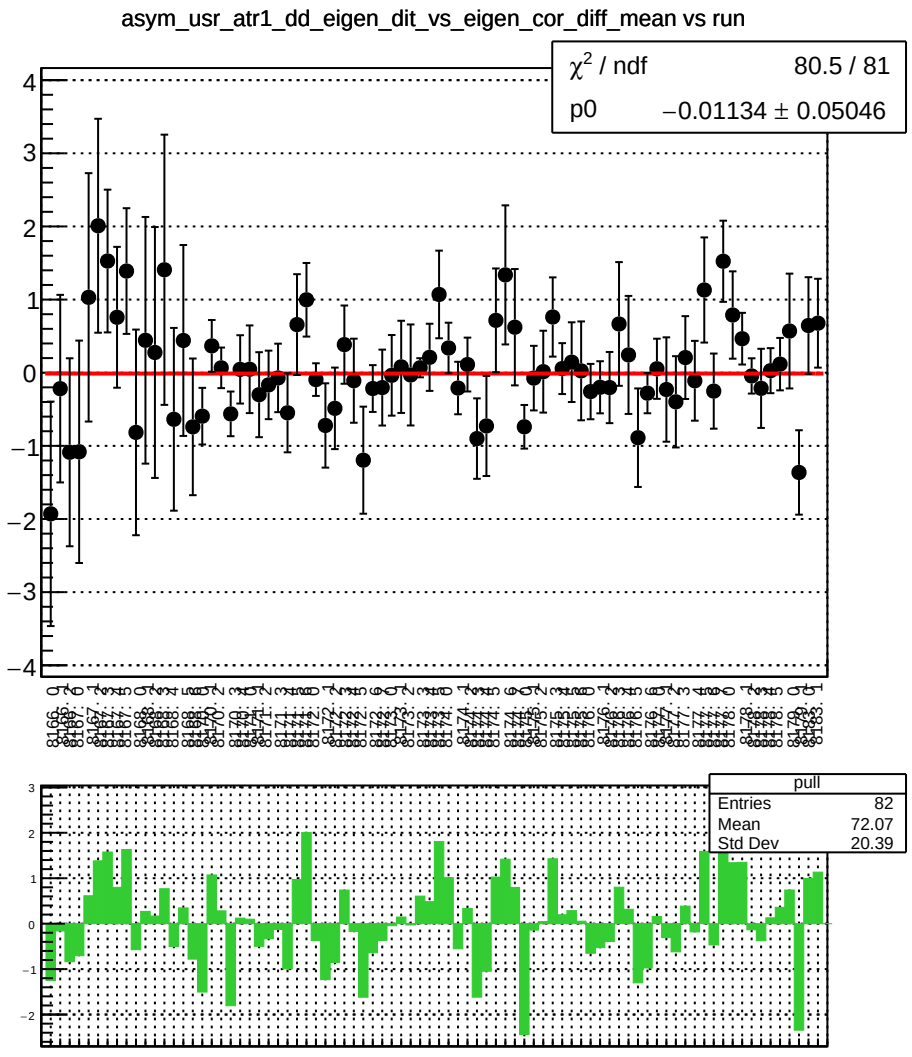

pull1D
Entries 82
Mean 0.0004667
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

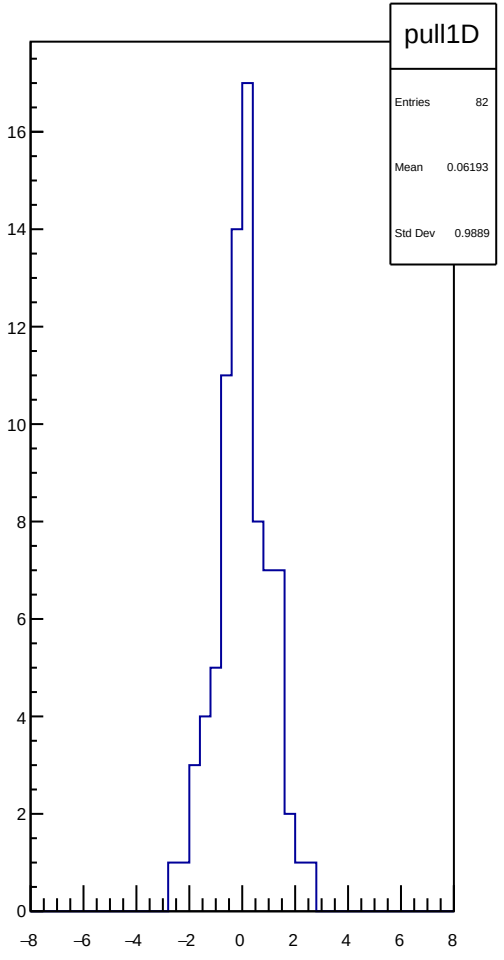

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1174 / 81
p0 0.003391 ± 2.696e−06
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032

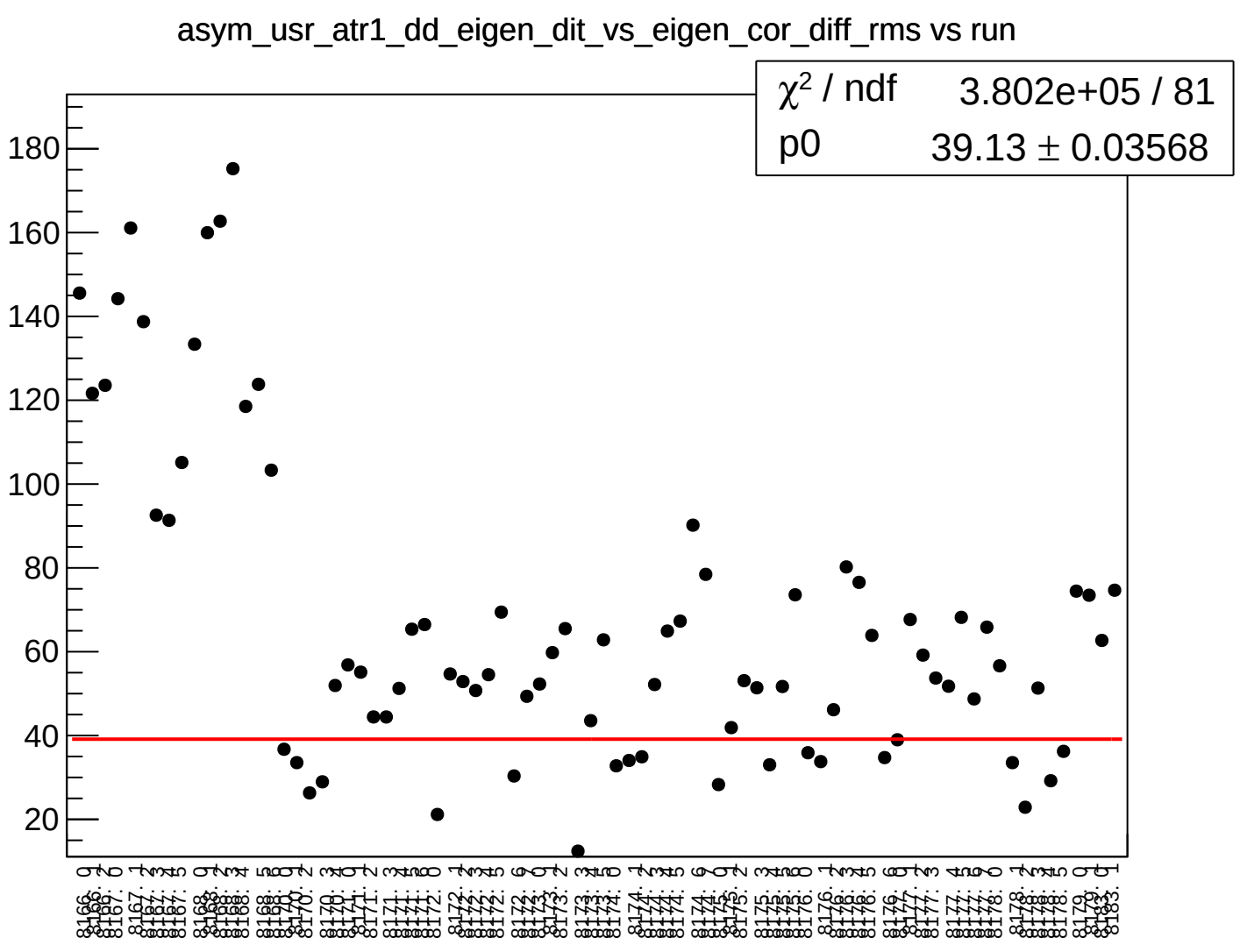

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.5 / 81
p0 −0.01134 ± 0.05046
pull
Entries 82
Mean 72.07
Std Dev 20.39

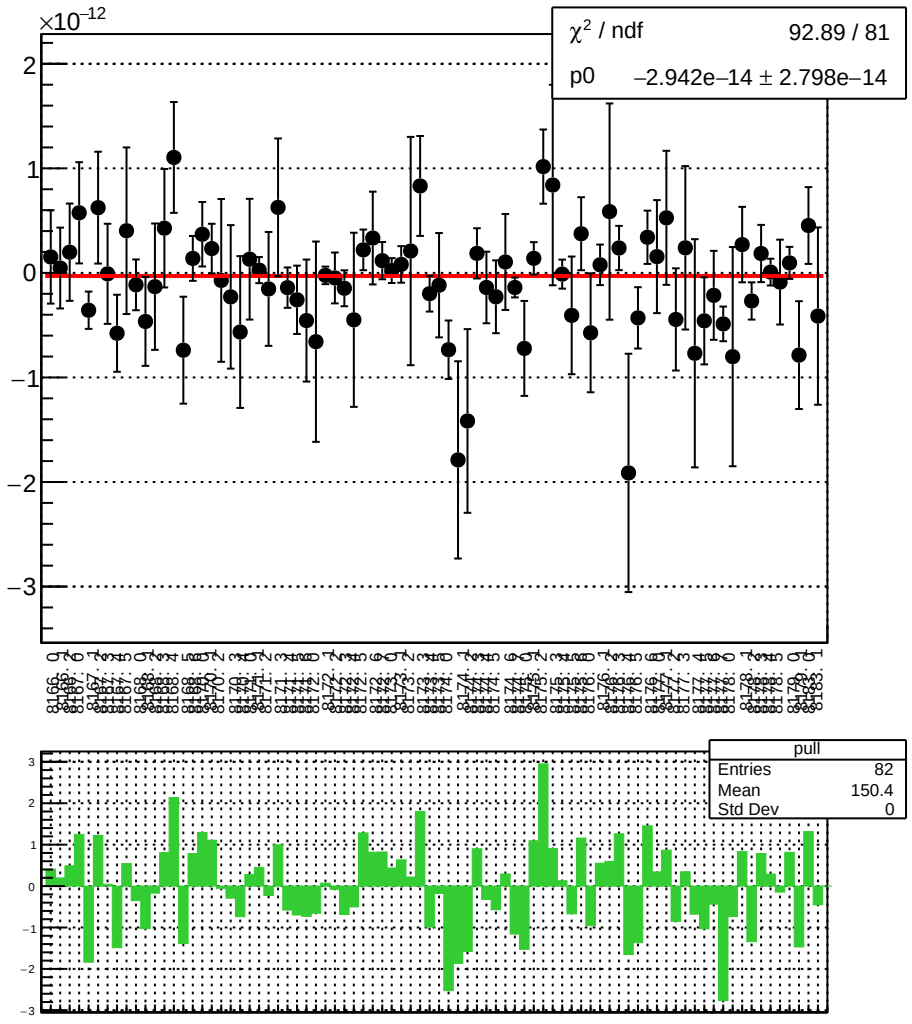

pull1D
Entries 82
Mean 0.06193
Std Dev 0.9889

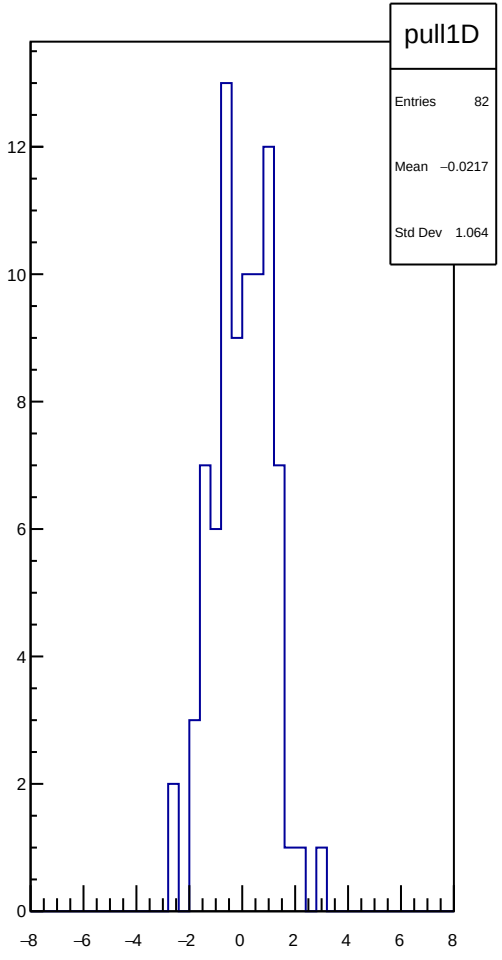

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.802e+05 / 81
p0 39.13 ± 0.03568
180
160
140
120
100
80
60
40
20

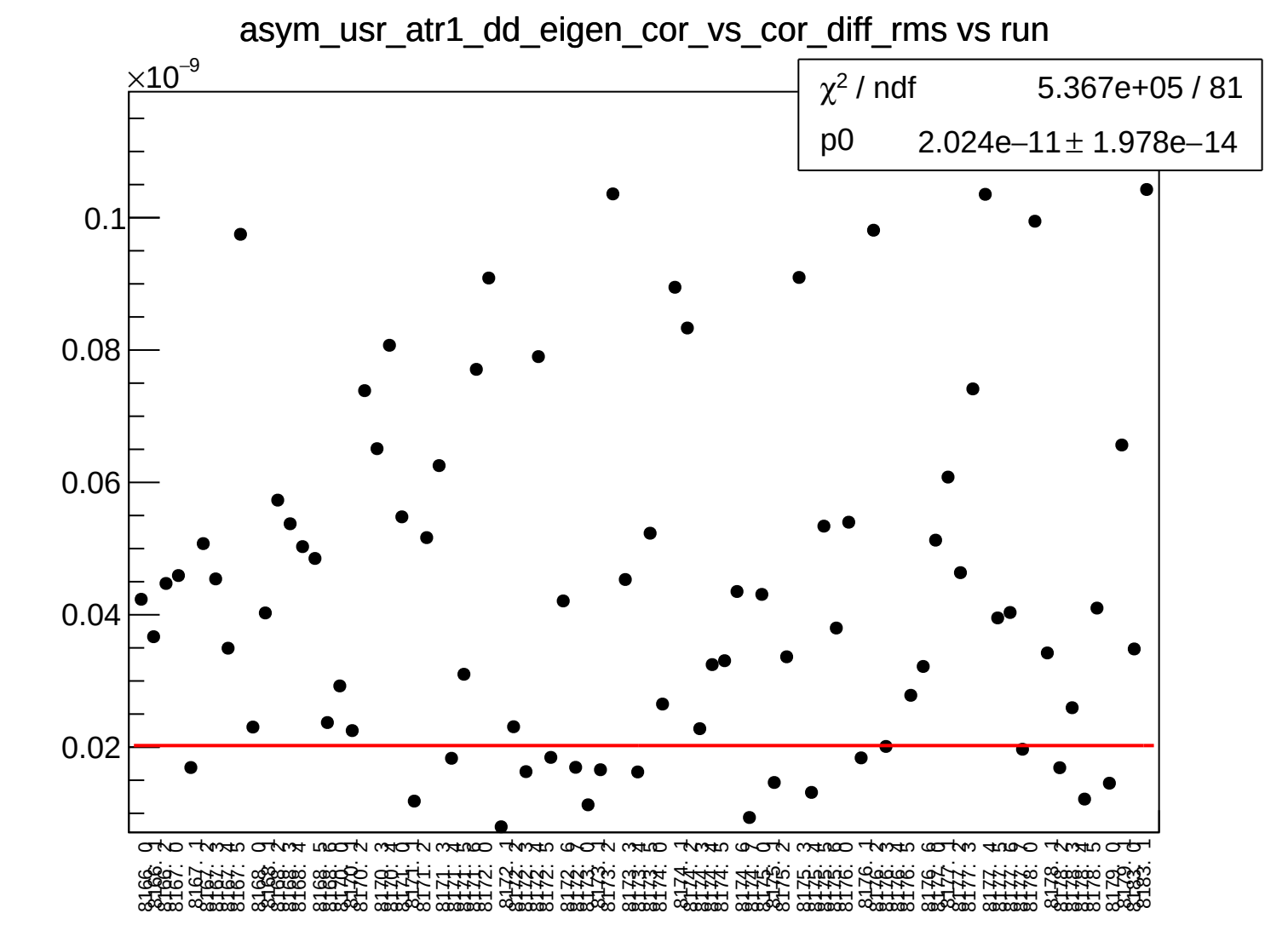

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.5 / 81
p0 −0.01134 ± 0.05046
pull
Entries 82
Mean 72.07
Std Dev 20.39

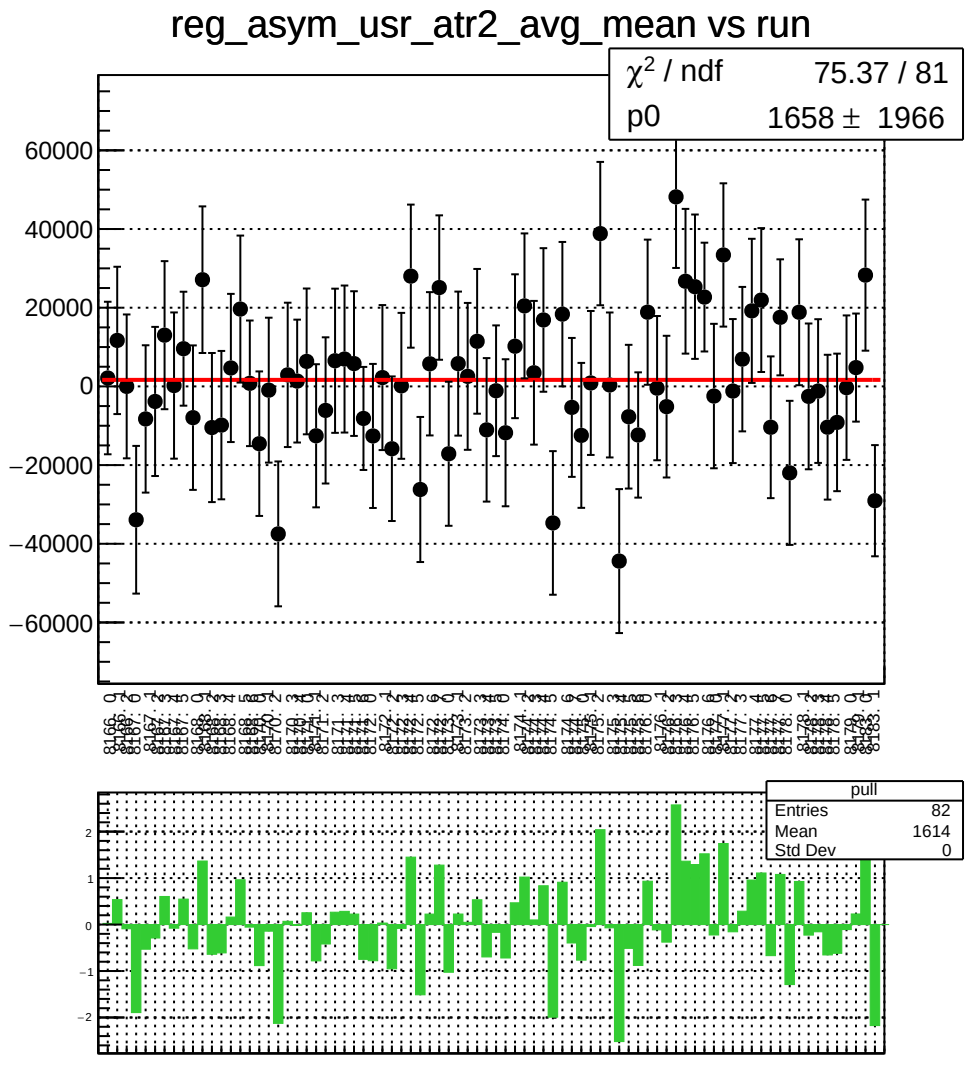

pull1D
Entries 82
Mean 0.06193
Std Dev 0.9889

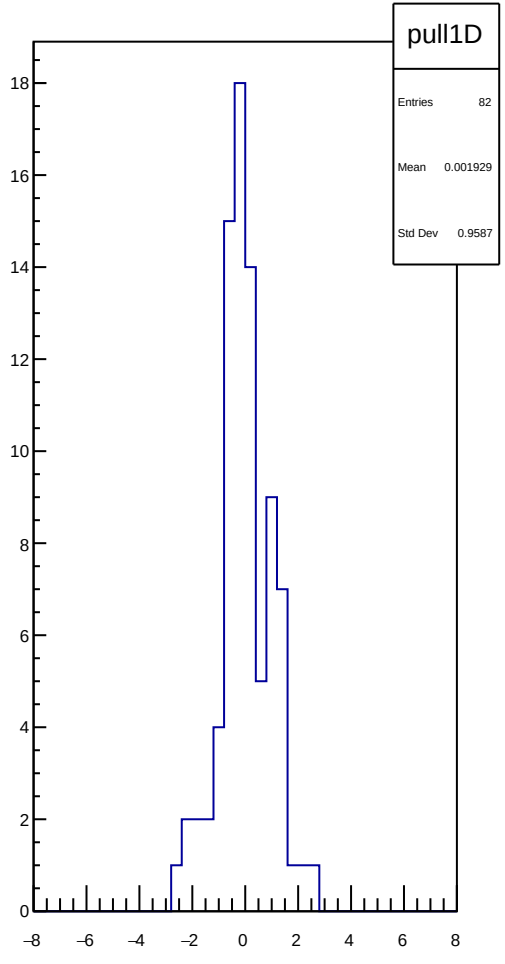

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.802e+05 / 81
p0 39.13 ± 0.03568
180
160
140
120
100
80
60
40
20

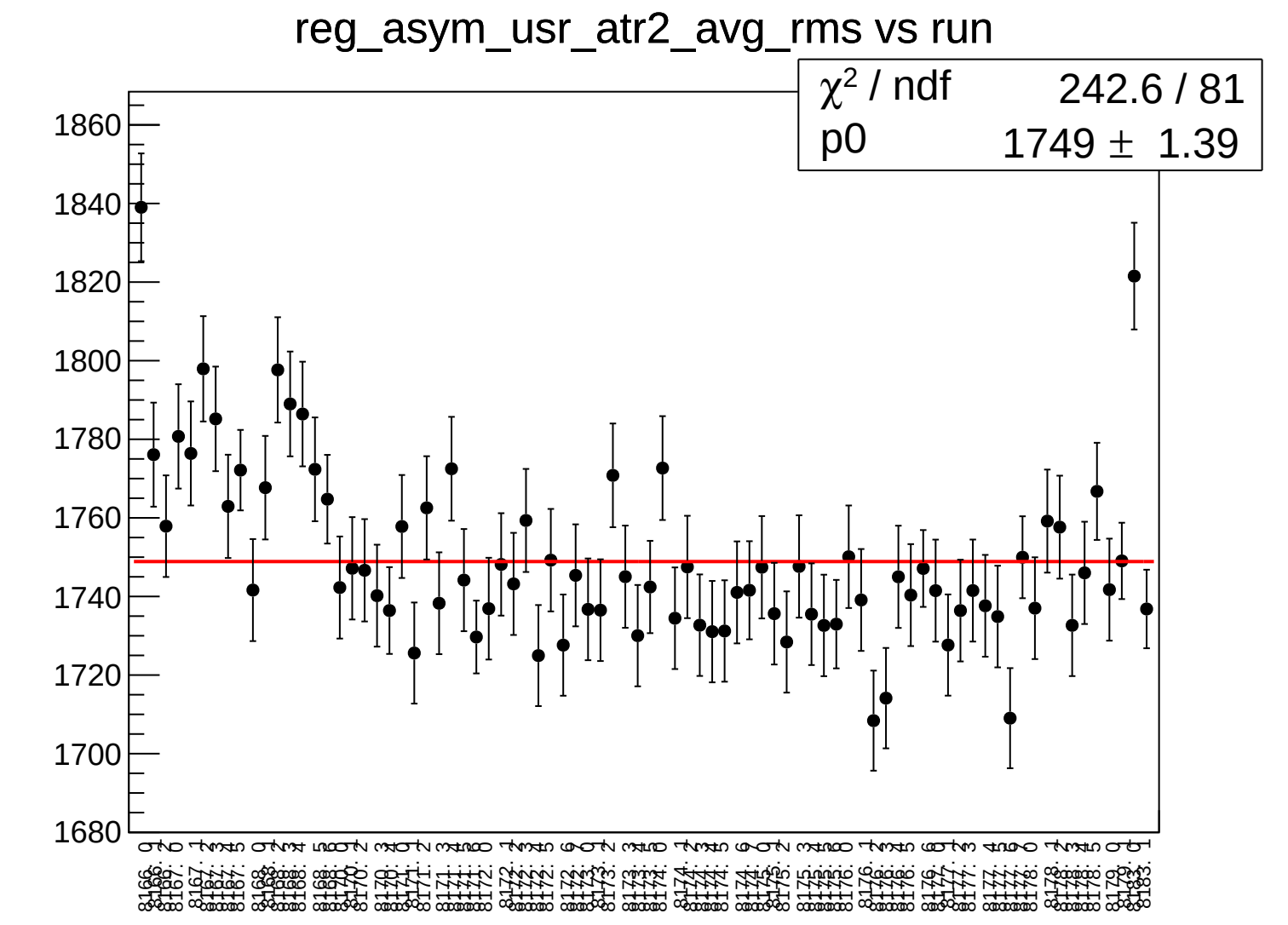

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 92.89 / 81
p0 −2.942e−14 ± 2.798e−14
pull
Entries 82
Mean 150.4
Std Dev 0

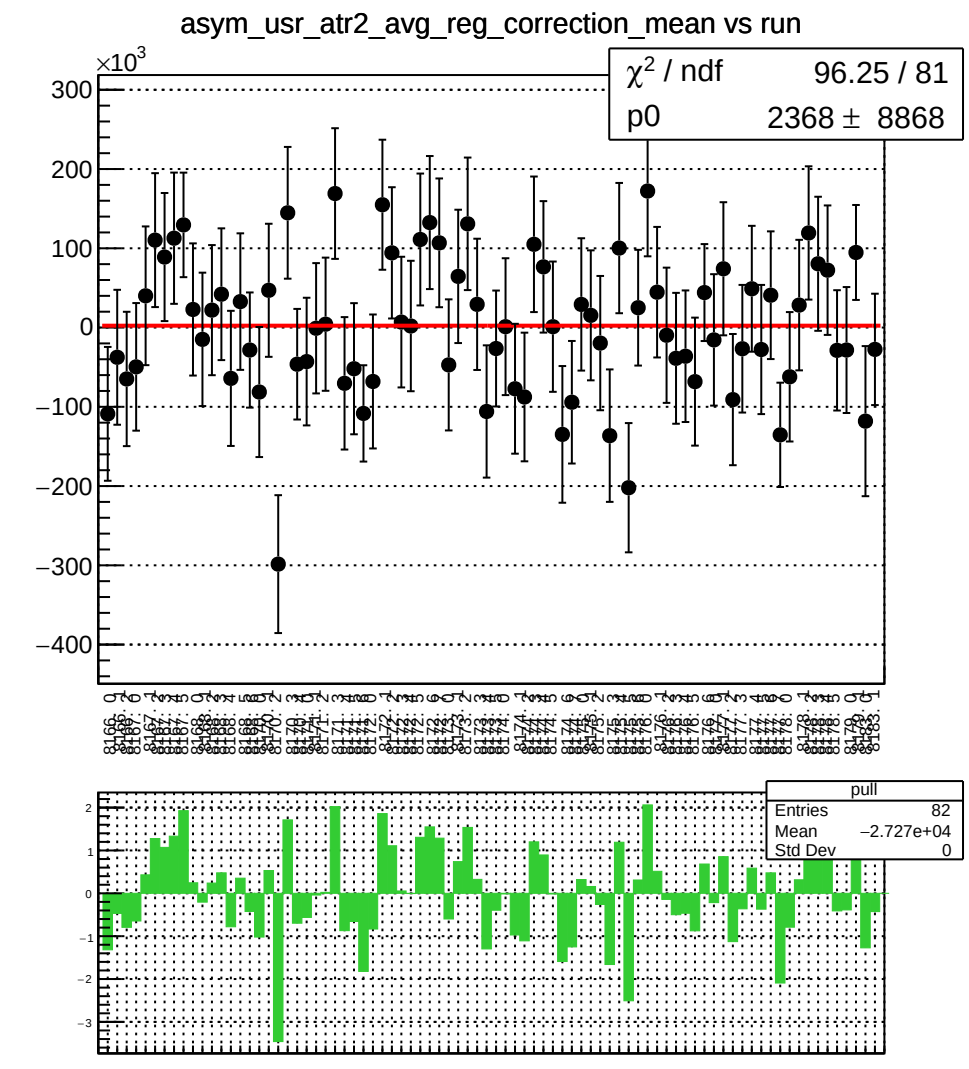

pull1D
Entries 82
Mean −0.0217
Std Dev 1.064

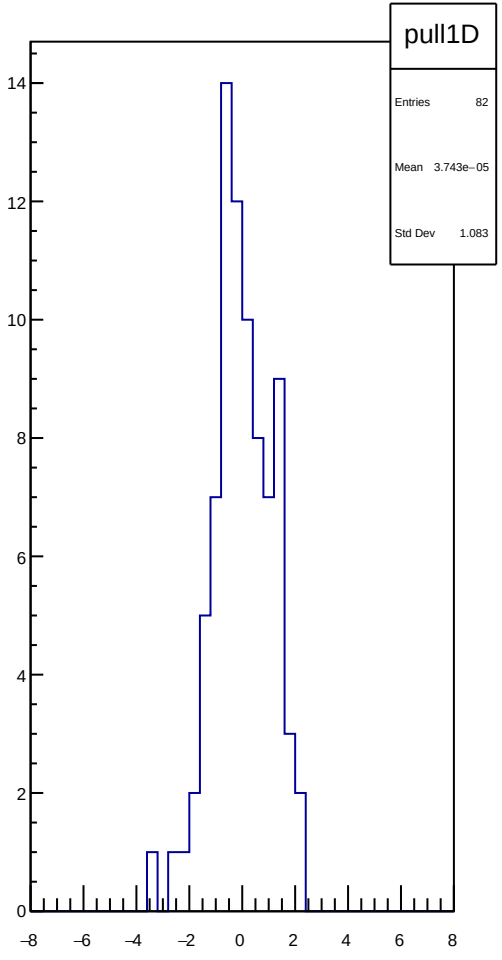

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.367e+05 / 81
p0 2.024e−11 ± 1.978e−14
0.1
0.08
0.06
0.04
0.02

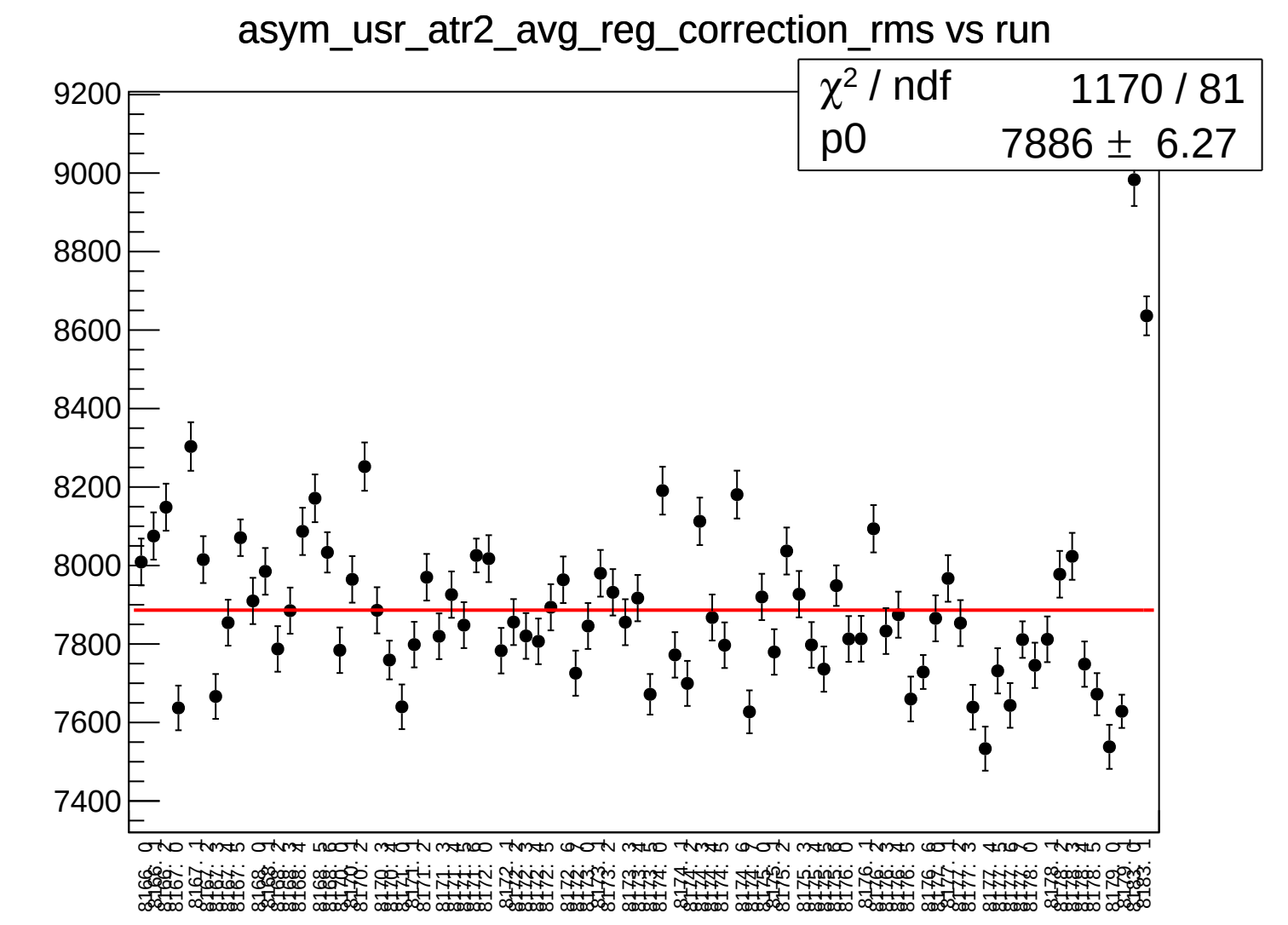

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.37 / 81
p0 1658 ± 1966
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1614
Std Dev 0
2
1
0
−1
−2

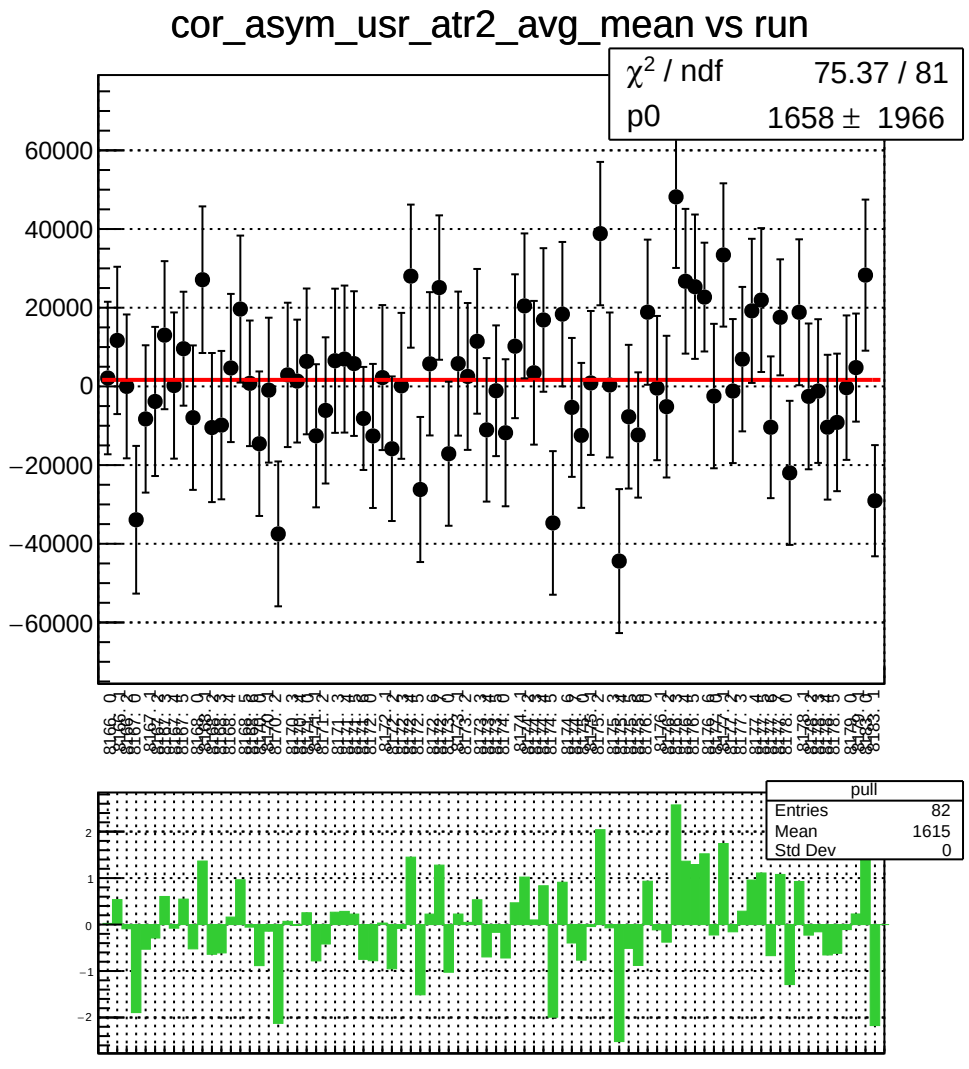

pull1D
Entries 82
Mean 0.001929
Std Dev 0.9587
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

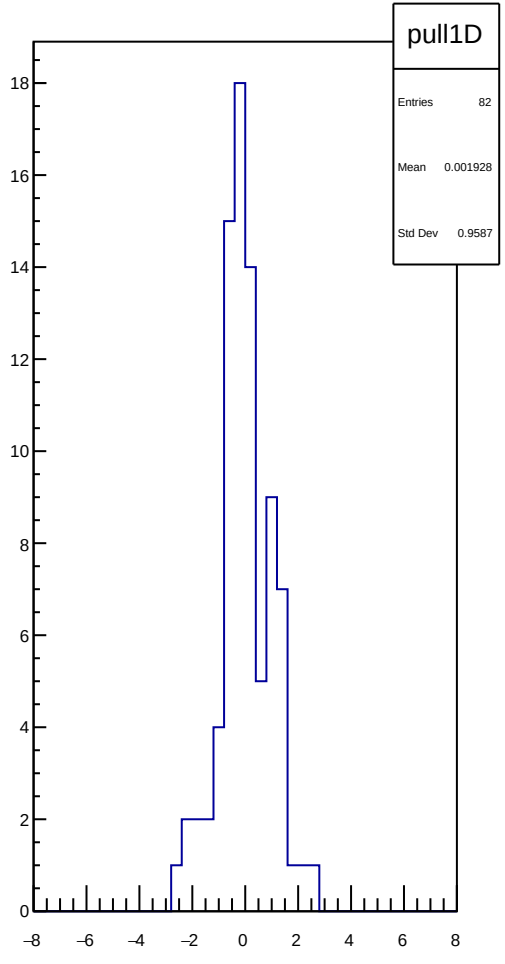

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 242.6 / 81
p0 1749 ± 1.39
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

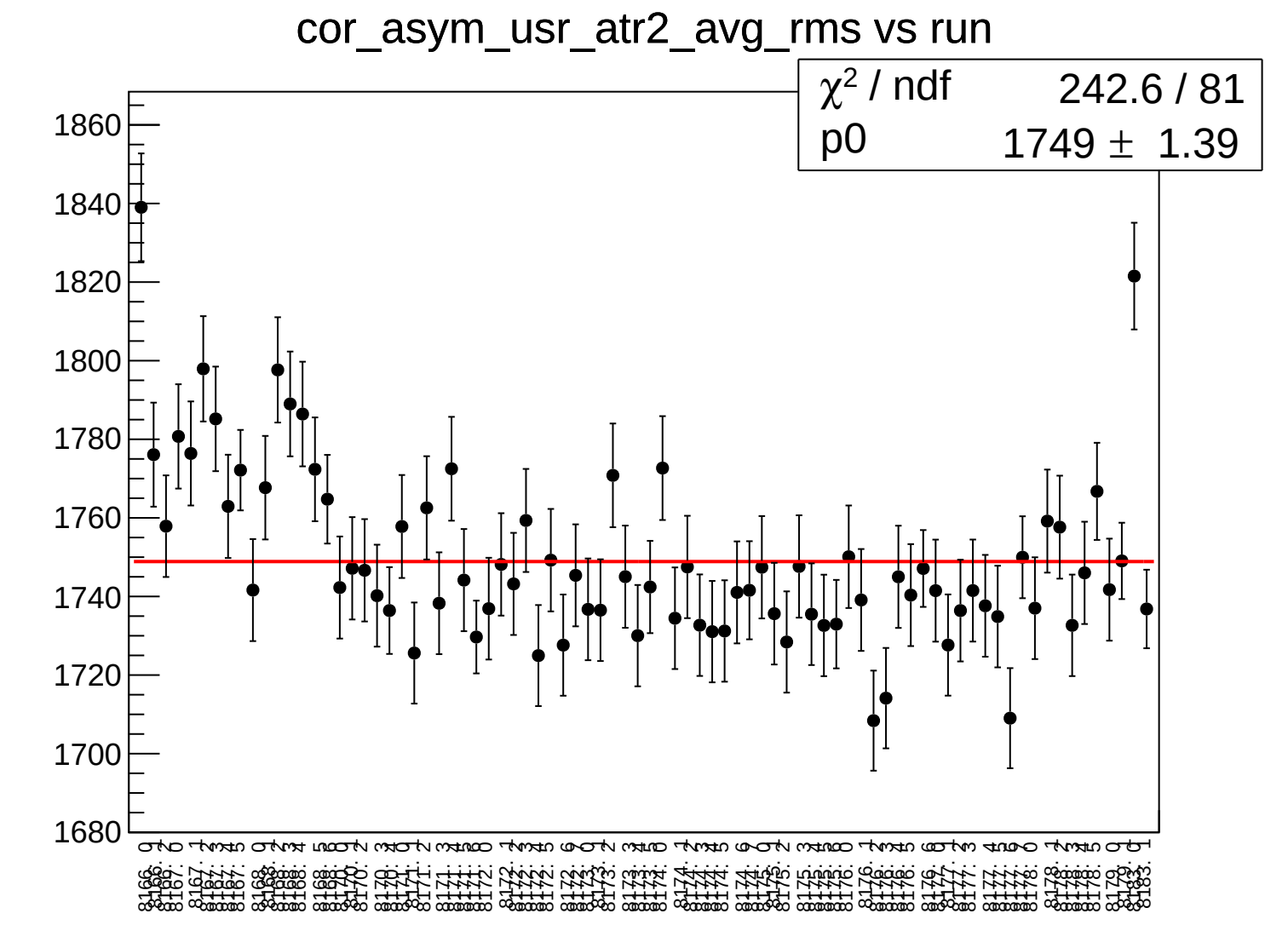

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 96.25 / 81
p0 2368 ± 8868
pull
Entries 82
Mean −2.727e+04
Std Dev 0

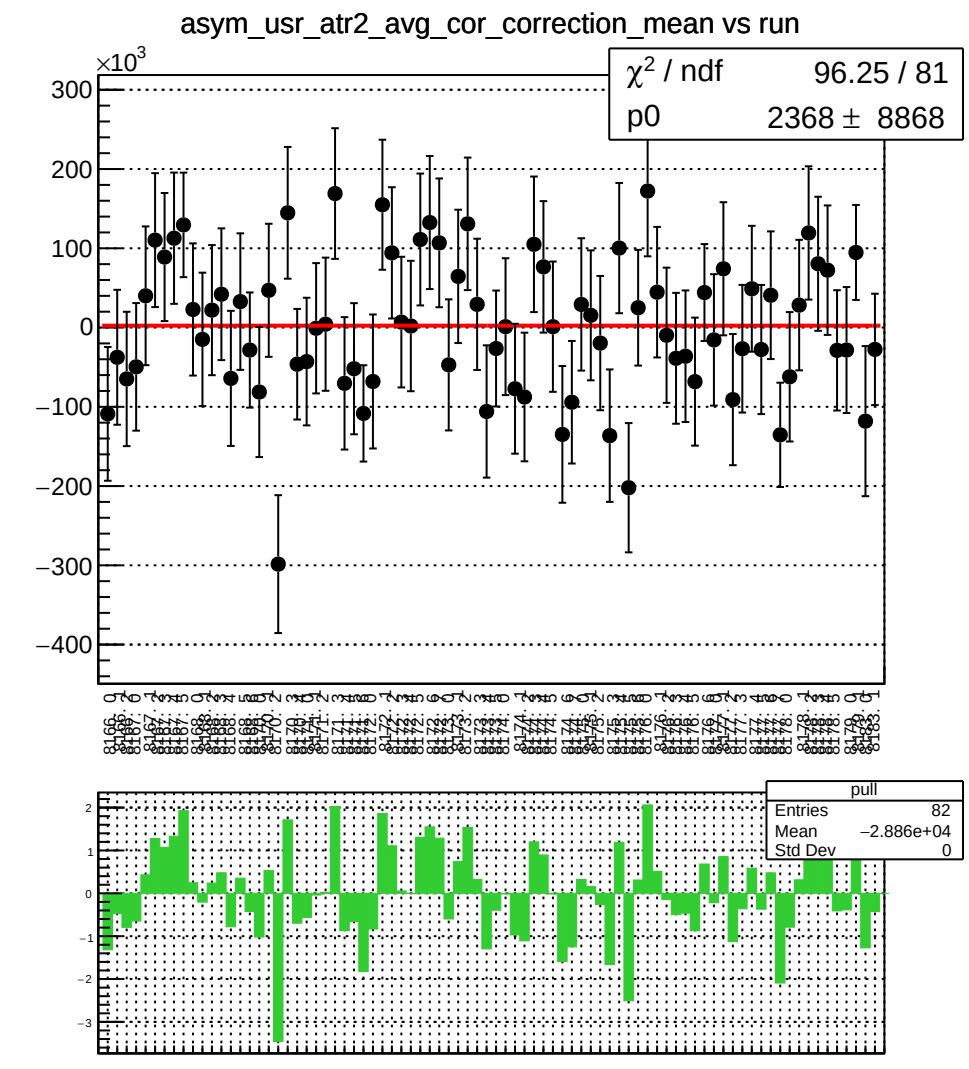

pull1D
Entries 82
Mean 3.743e−05
Std Dev 1.083

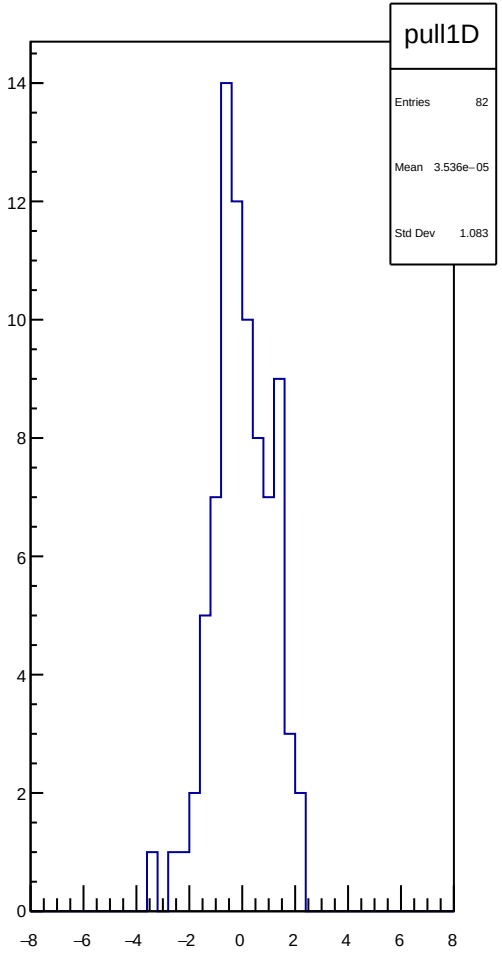

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 1170 / 81
p0 7886 ± 6.27
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

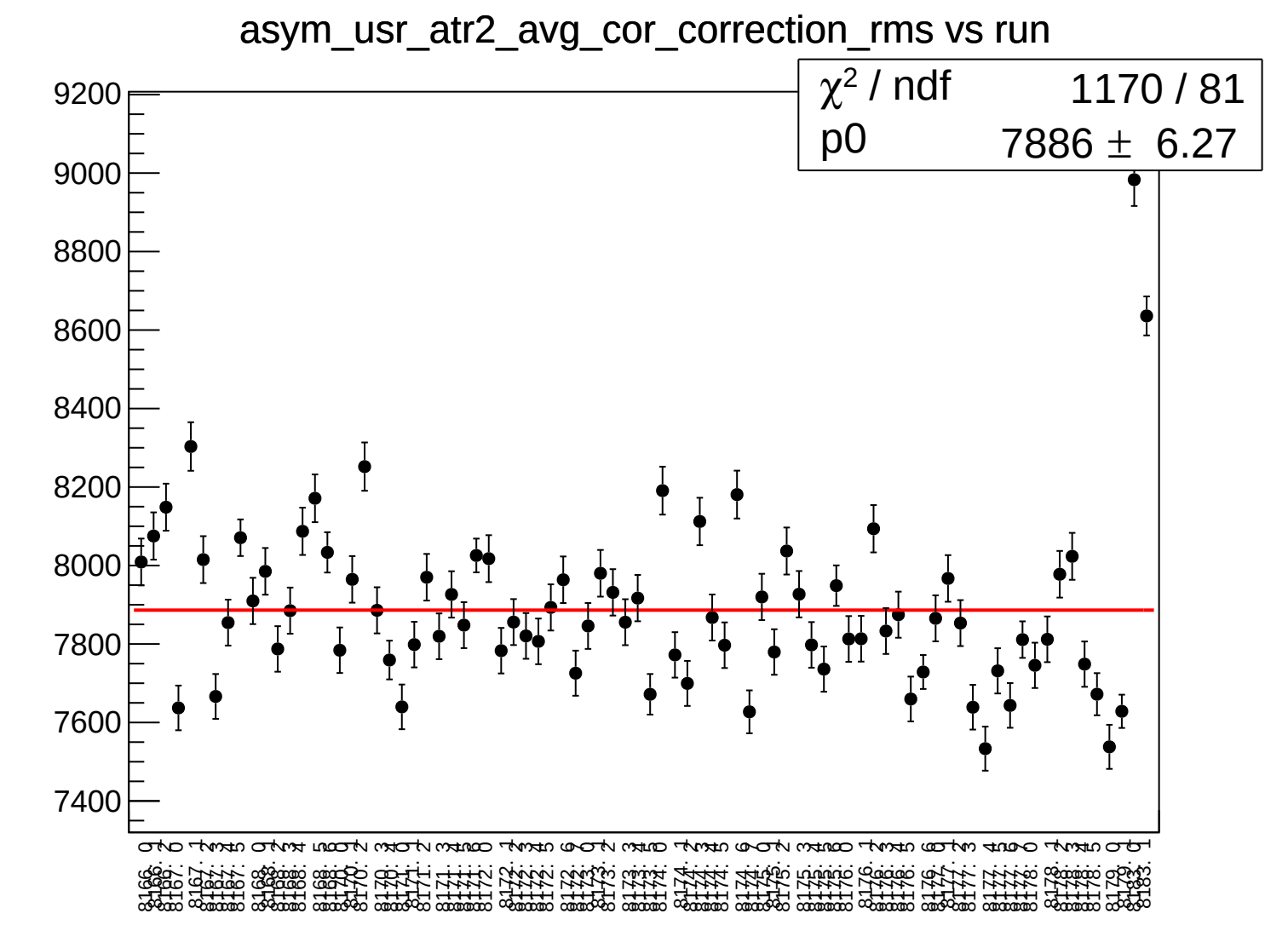

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.37 / 81
p0 1658 ± 1966
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1615
Std Dev 0
2
1
0
−1
−2

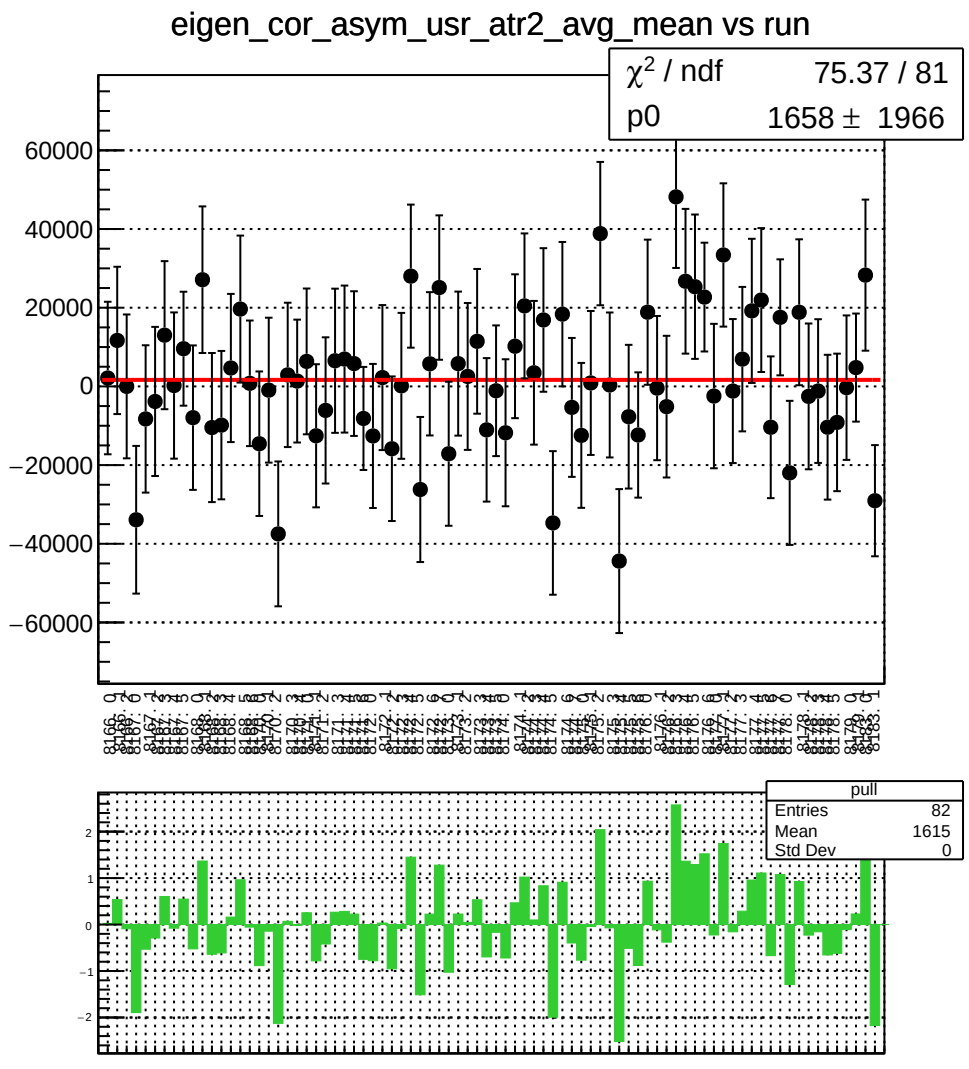

pull1D
Entries 82
Mean 0.001928
Std Dev 0.9587
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

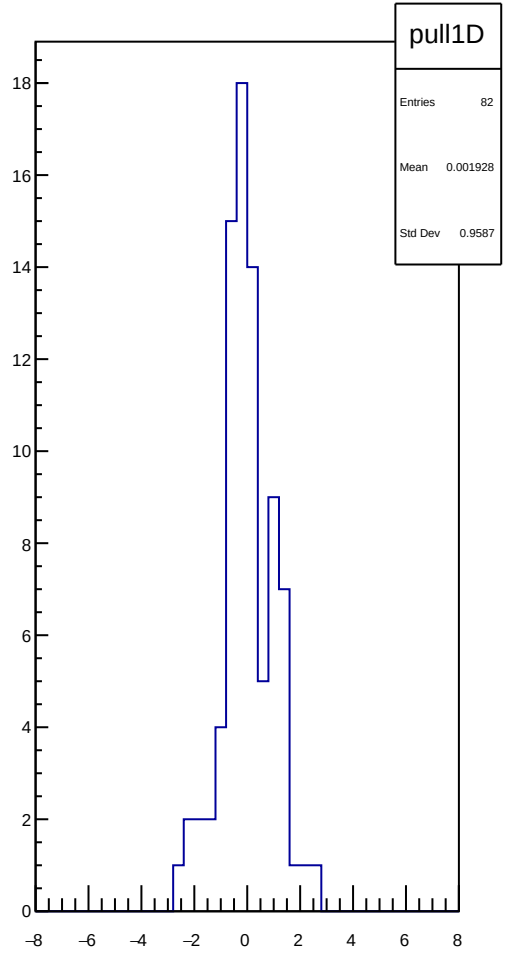

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 242.6 / 81
p0 1749 ± 1.39
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

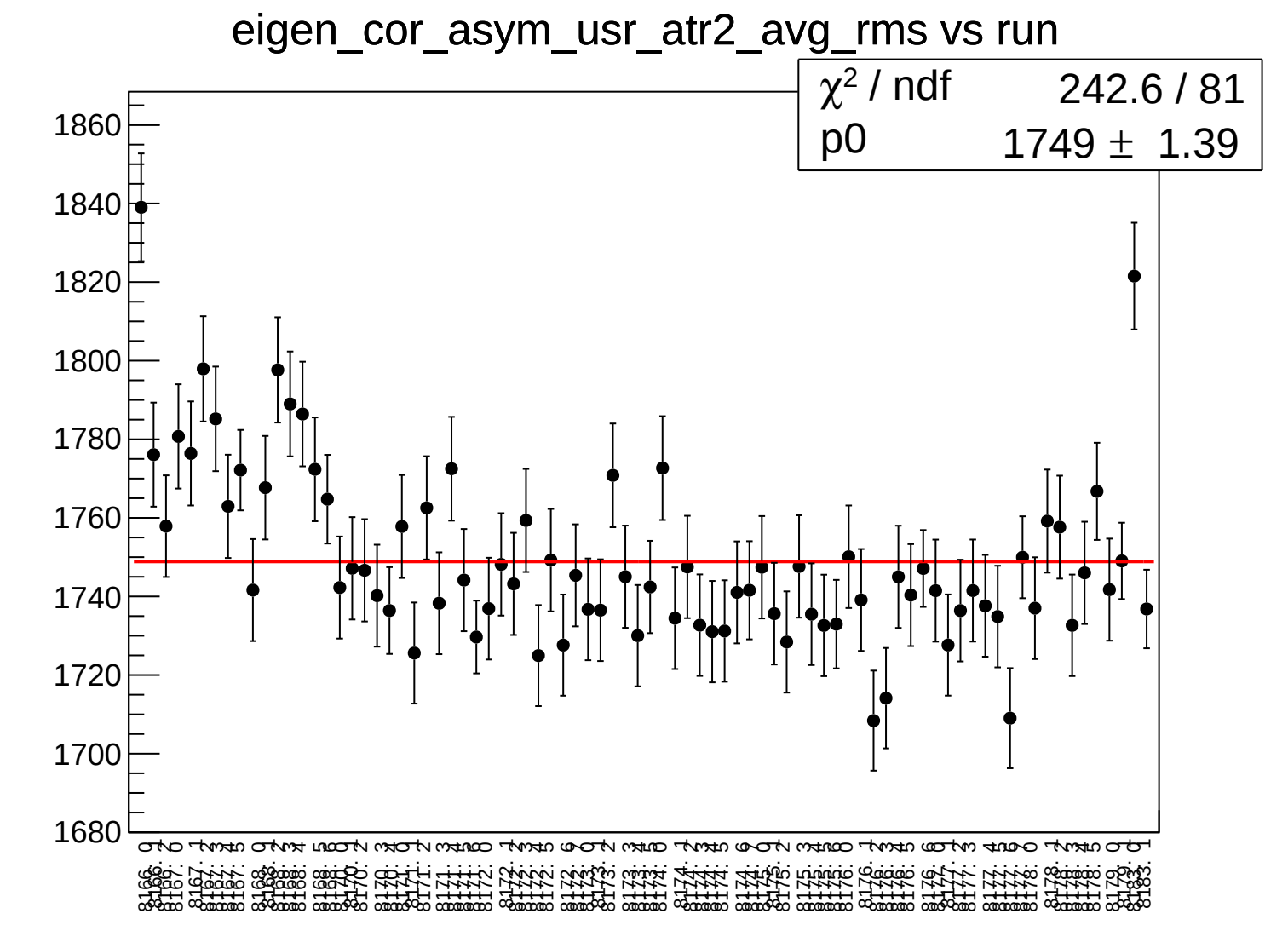

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 96.25 / 81
p0 2368 ± 8868
pull
Entries 82
Mean −2.886e+04
Std Dev 0

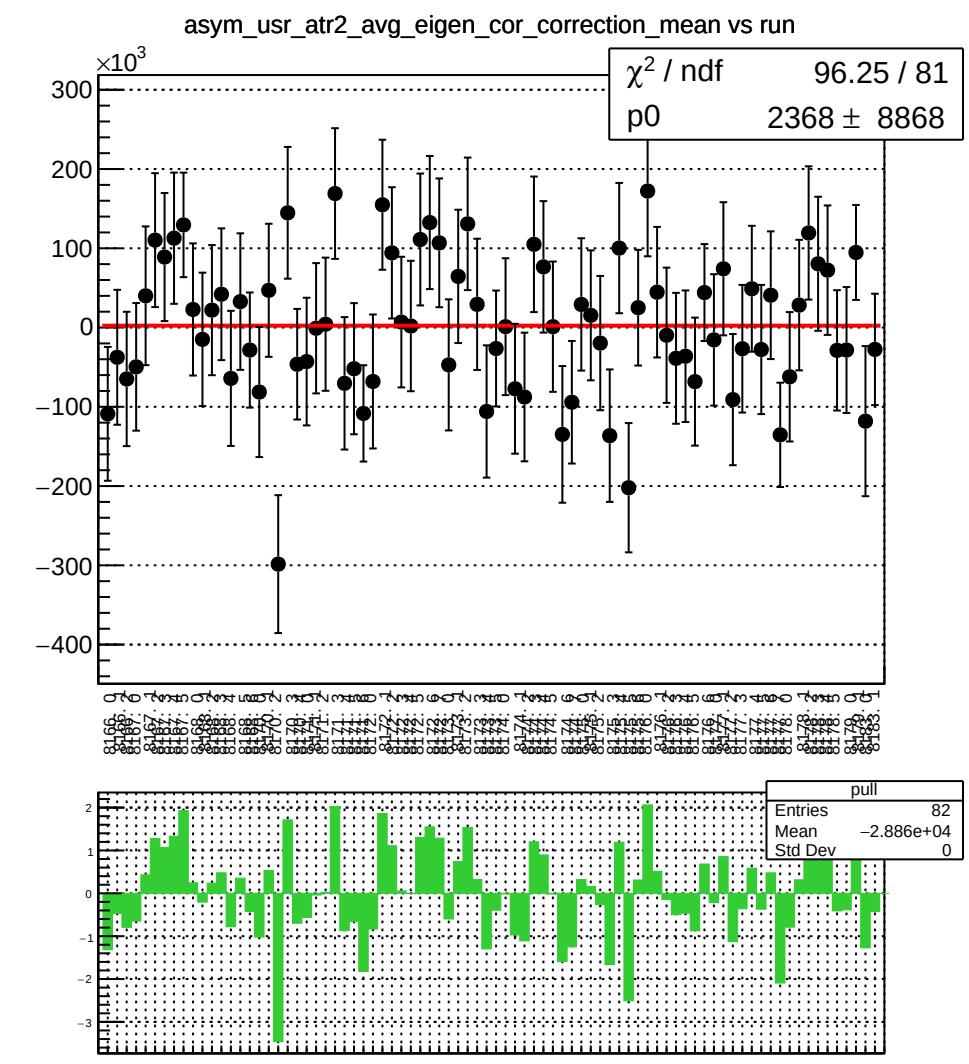

pull1D
Entries 82
Mean 3.536e−05
Std Dev 1.083

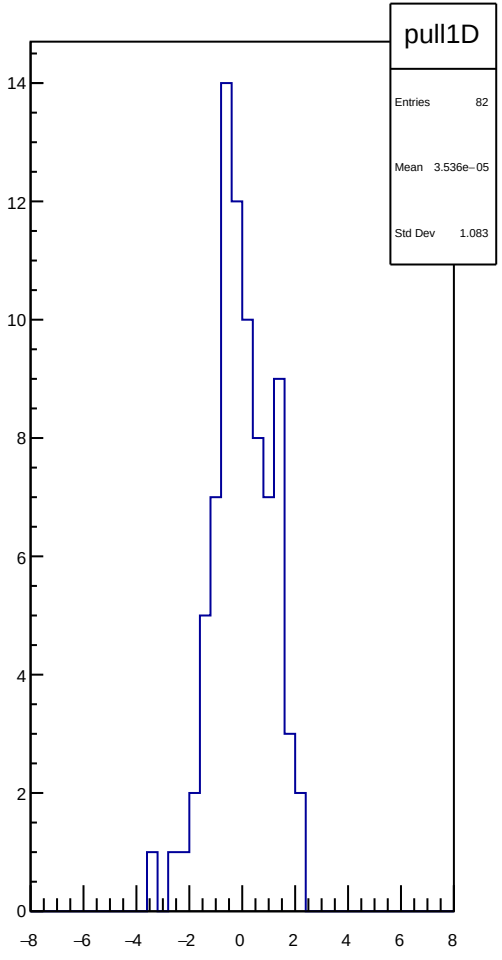

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 1170 / 81
p0 7886 ± 6.27
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

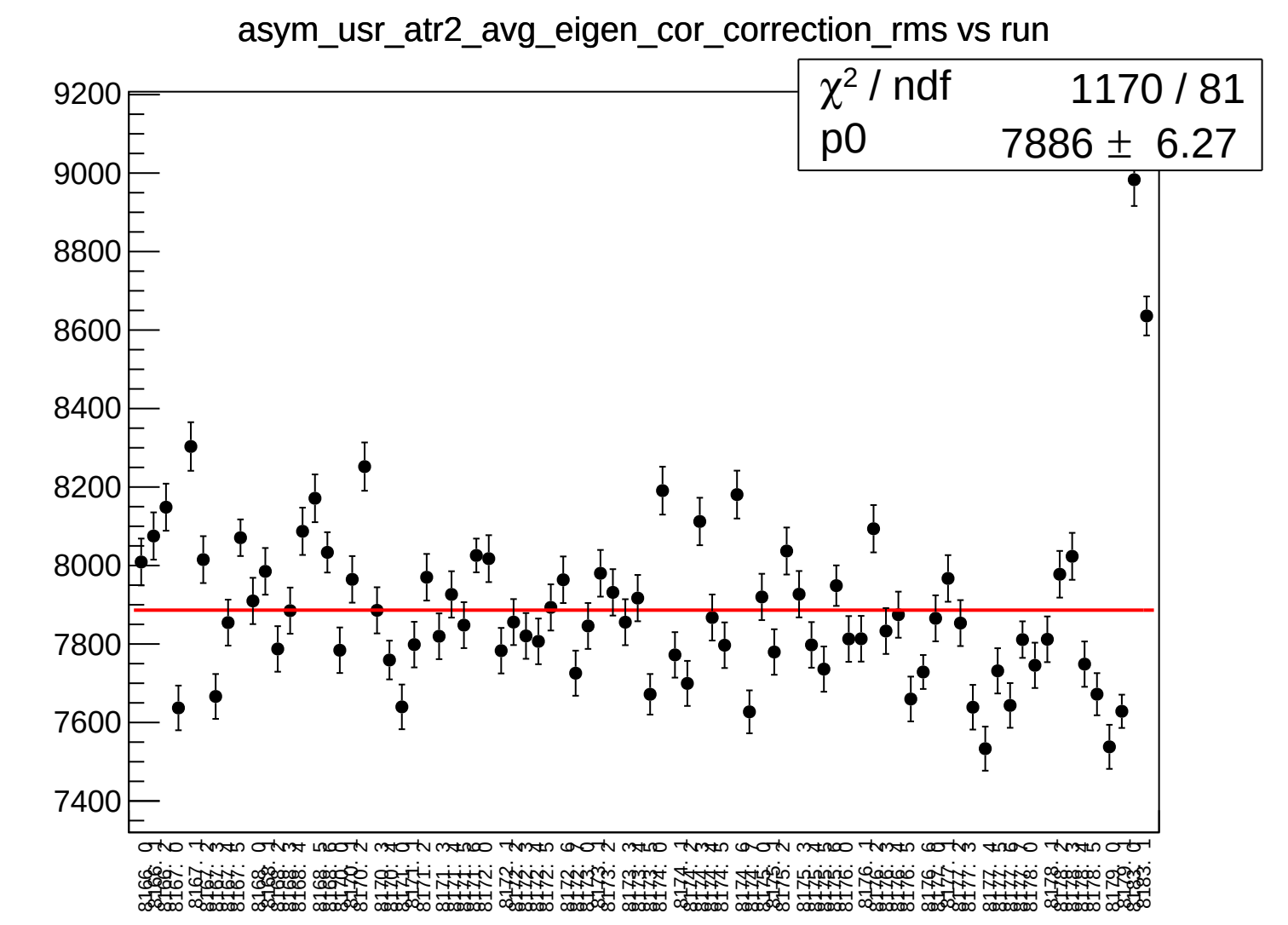

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.37 / 81
p0 1658 ± 1966
pull
Entries 82
Mean 1615
Std Dev 0

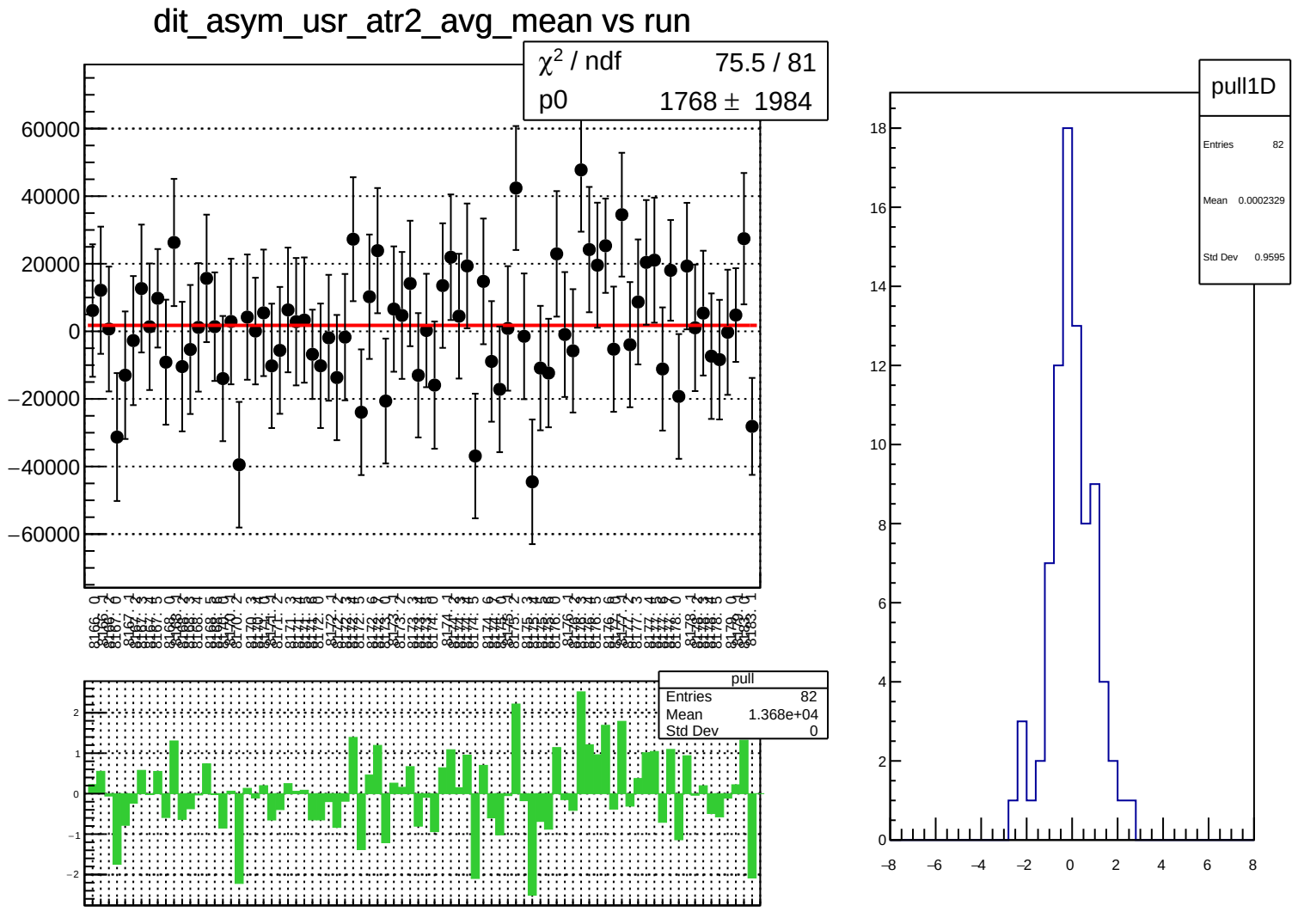

pull1D
Entries 82
Mean 0.001928
Std Dev 0.9587

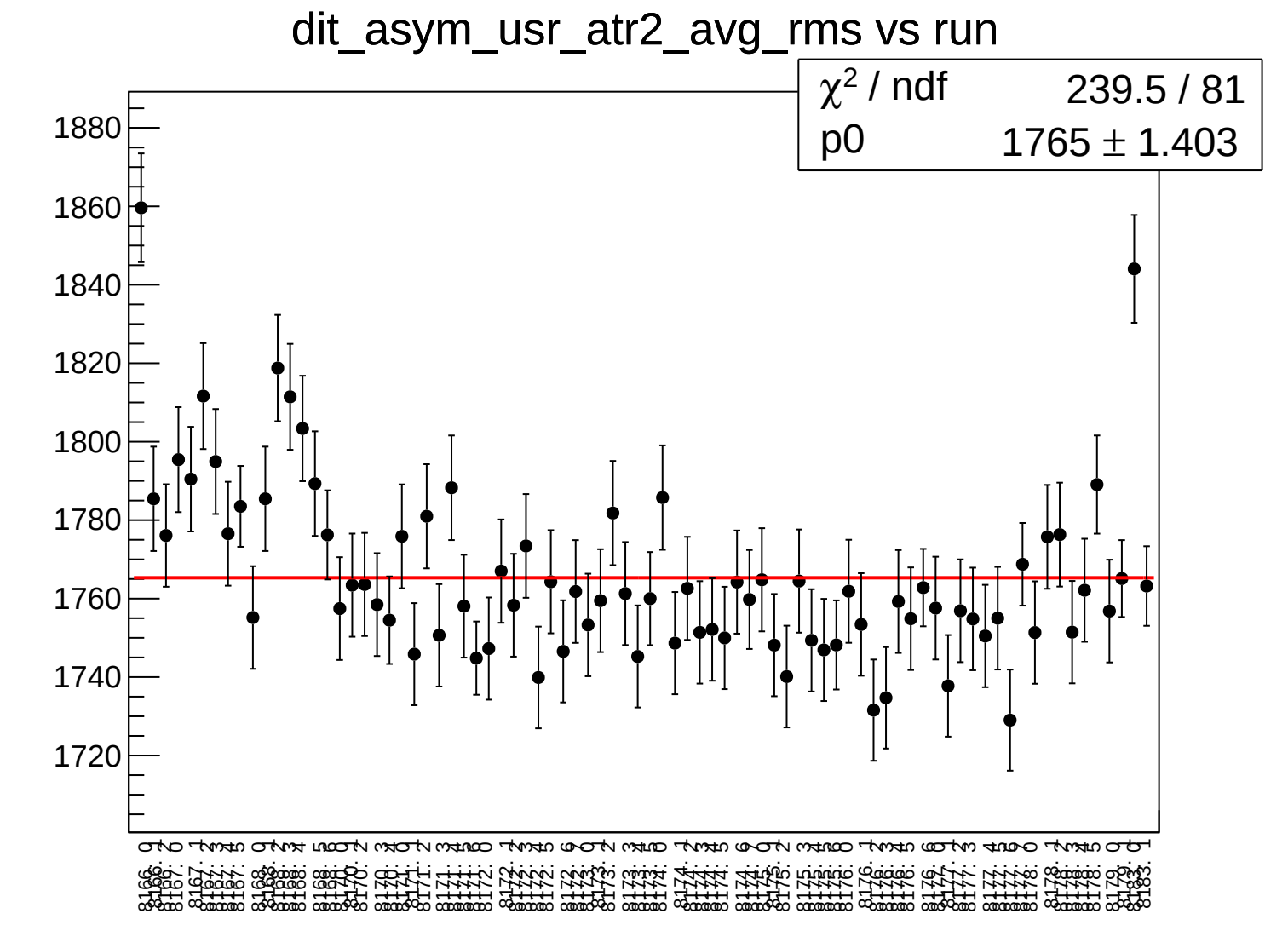

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 242.6 / 81
p0 1749 ± 1.39
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

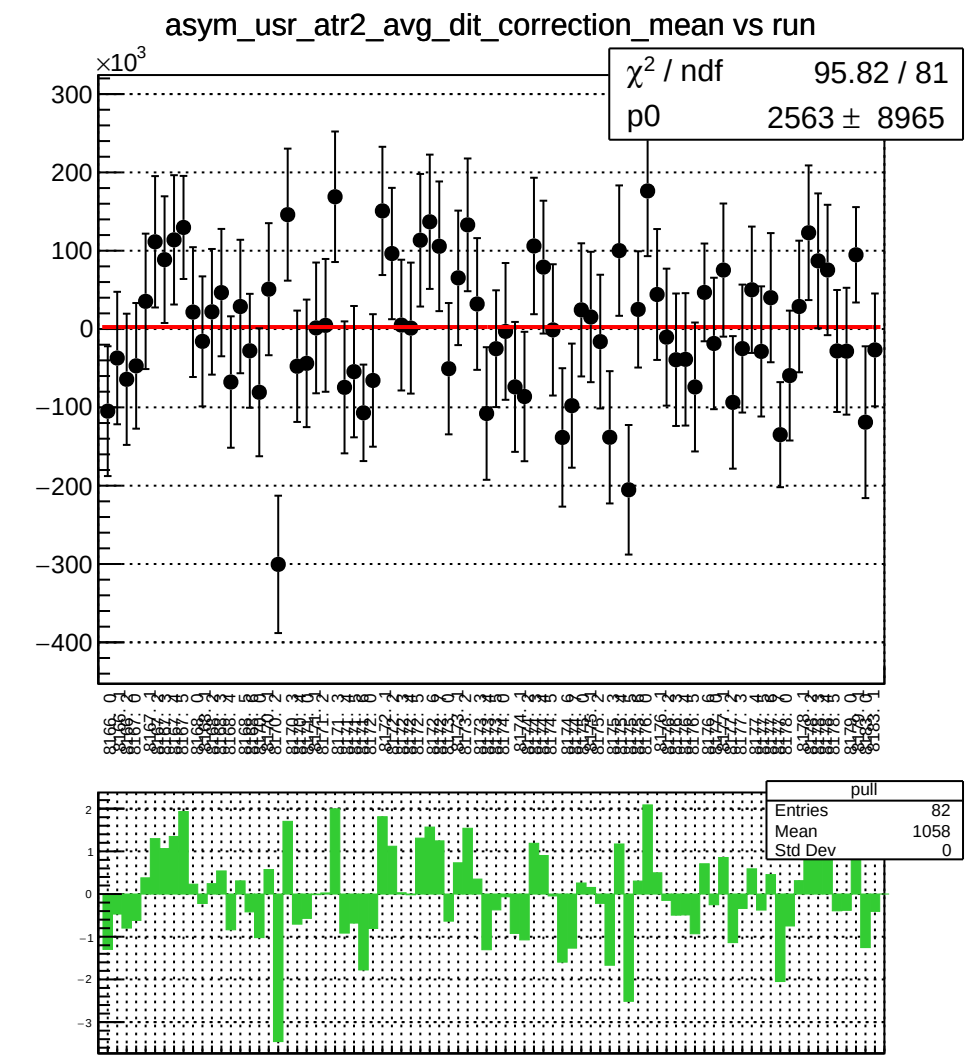

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 96.25 / 81
p0 2368 ± 8868
pull
Entries 82
Mean −2.886e+04
Std Dev 0

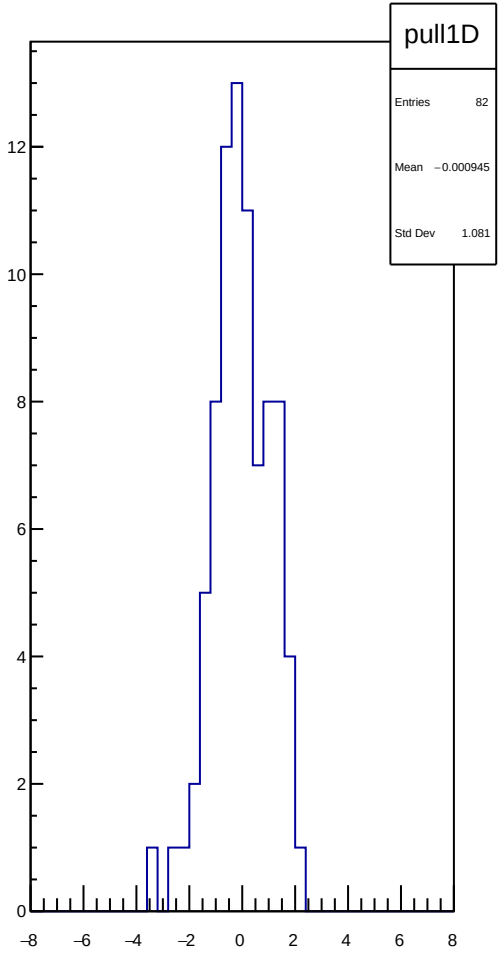

pull1D
Entries 82
Mean 3.536e−05
Std Dev 1.083

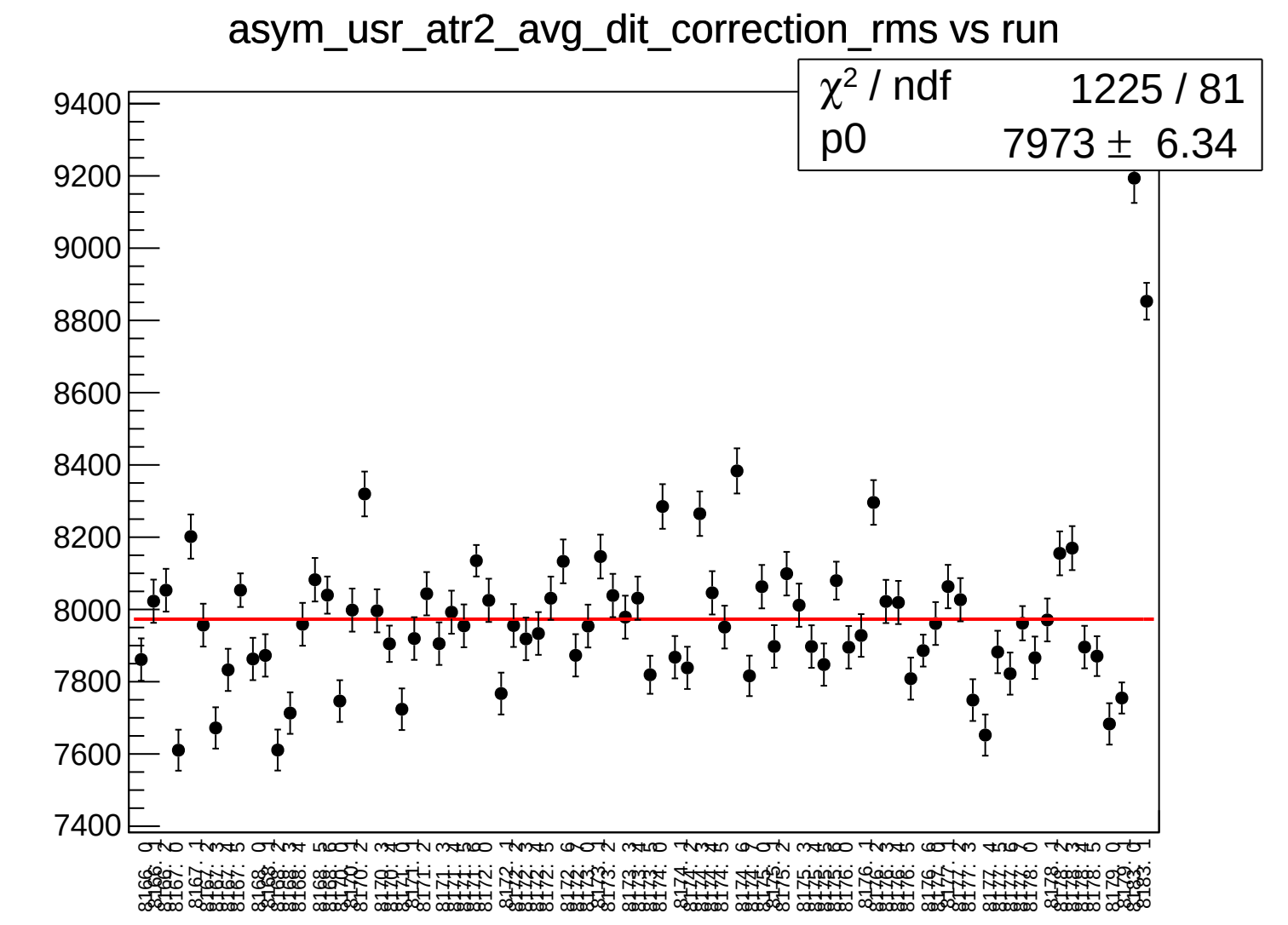

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1170 / 81
p0 7886 ± 6.27
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

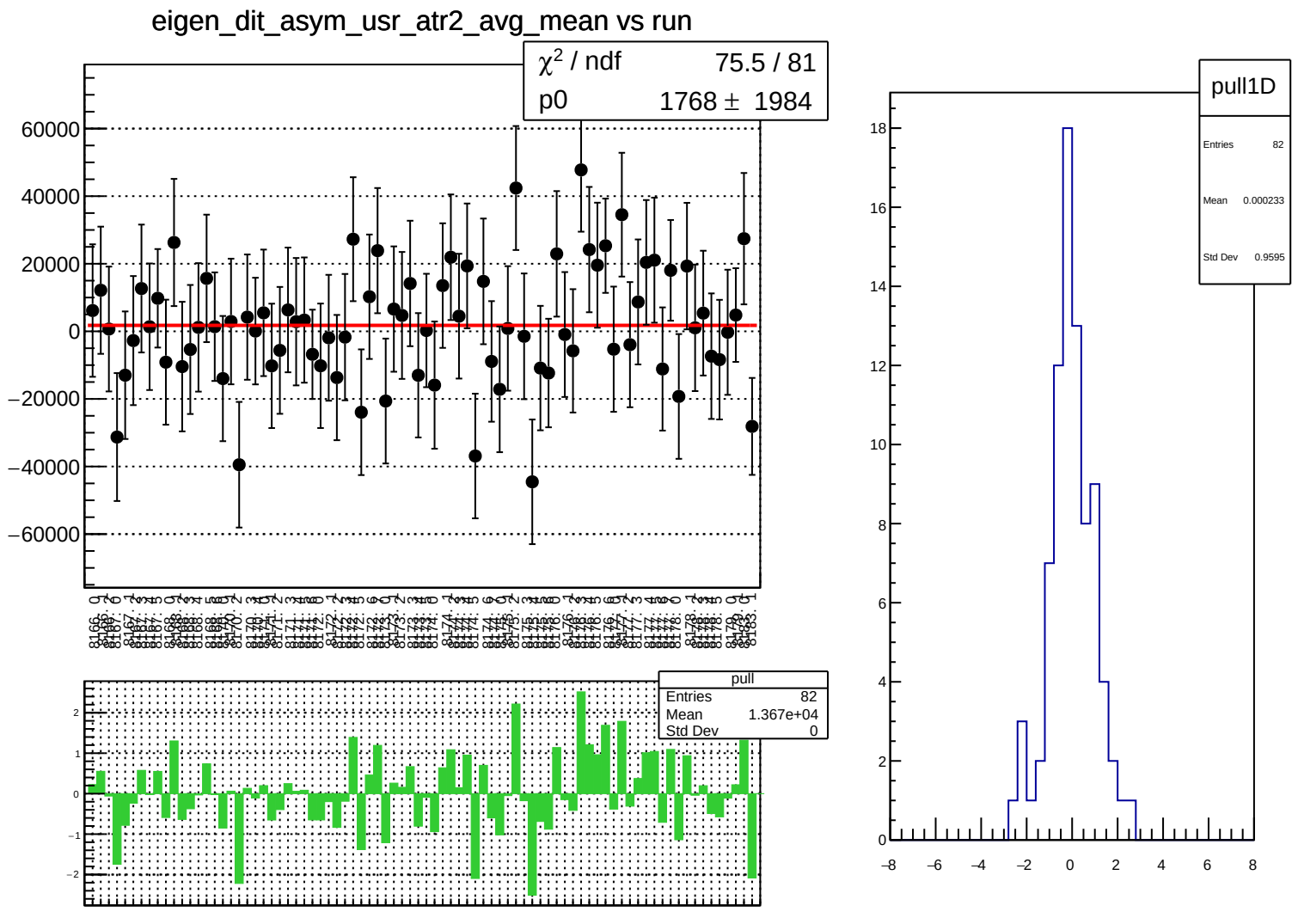

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.5 / 81
p0 1768 ± 1984
pull
Entries 82
Mean 1.368e+04
Std Dev 0
pull1D
Entries 82
Mean 0.0002329
Std Dev 0.9595

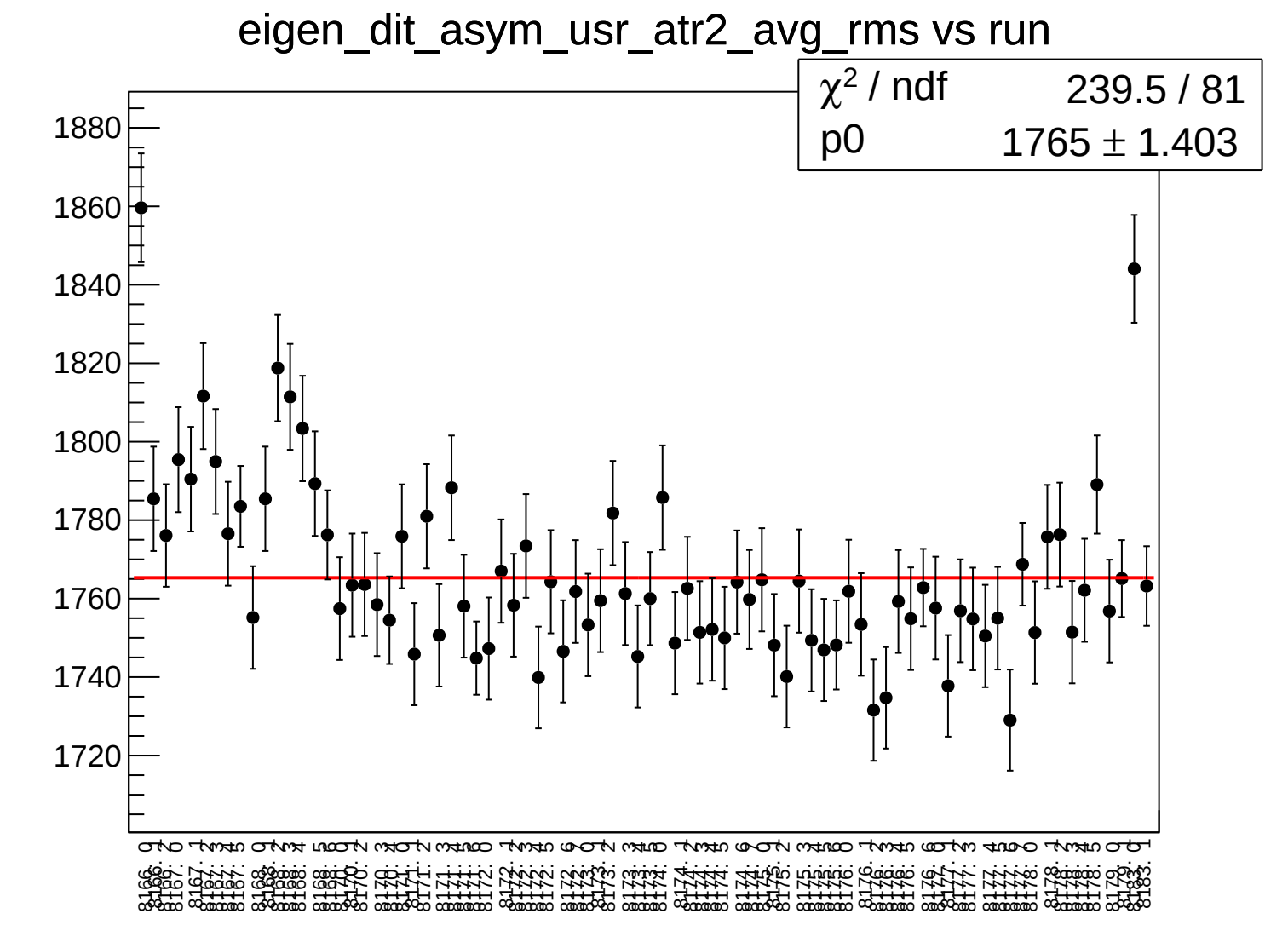

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 239.5 / 81
p0 1765 ± 1.403
1880
1860
1840
1820
1800
1780
1760
1740
1720

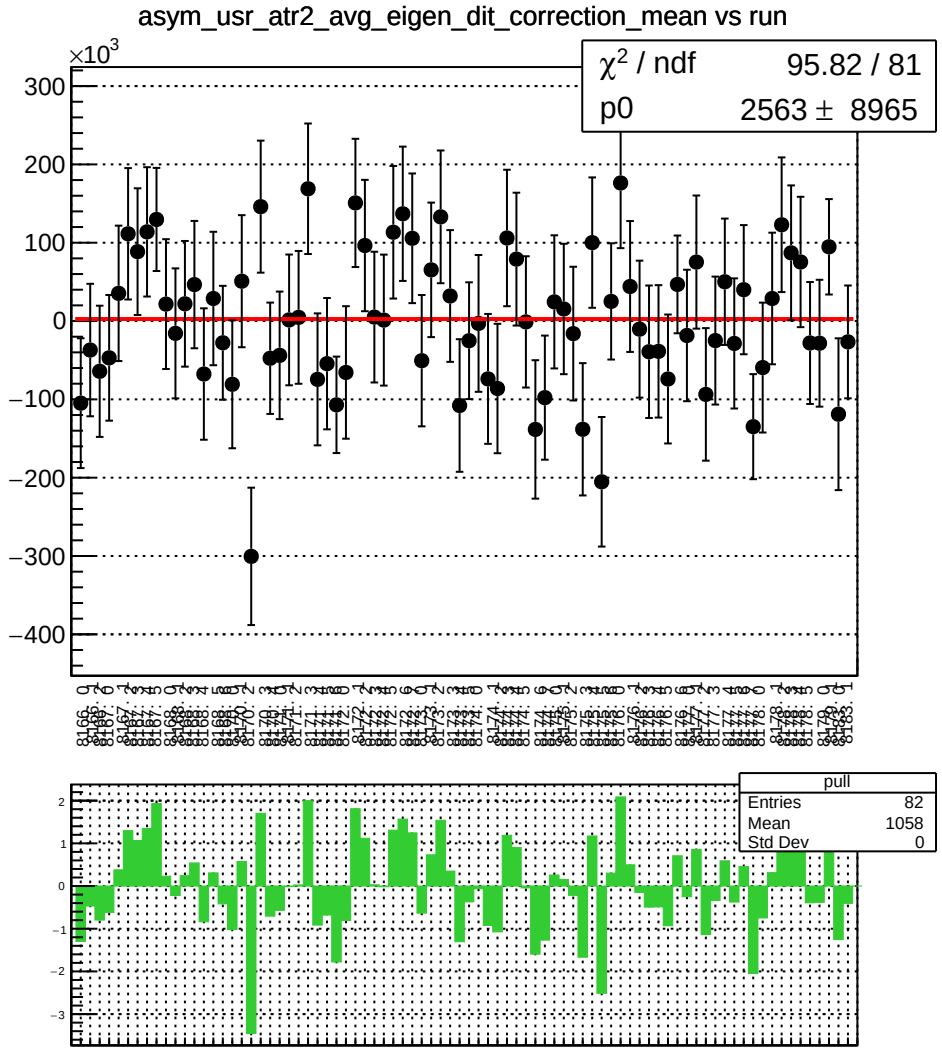

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 95.82 / 81
p0 2563 ± 8965
pull
Entries 82
Mean 1058
Std Dev 0

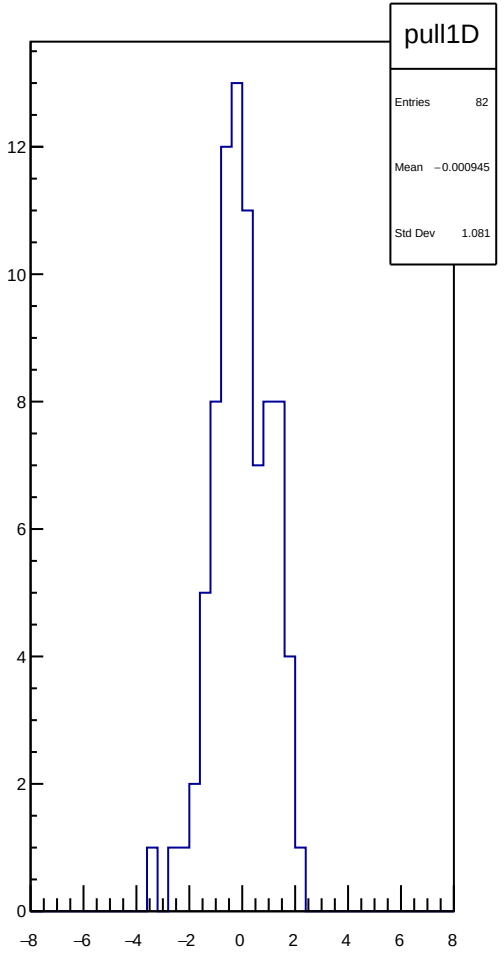

pull1D
Entries 82
Mean −0.000945
Std Dev 1.081

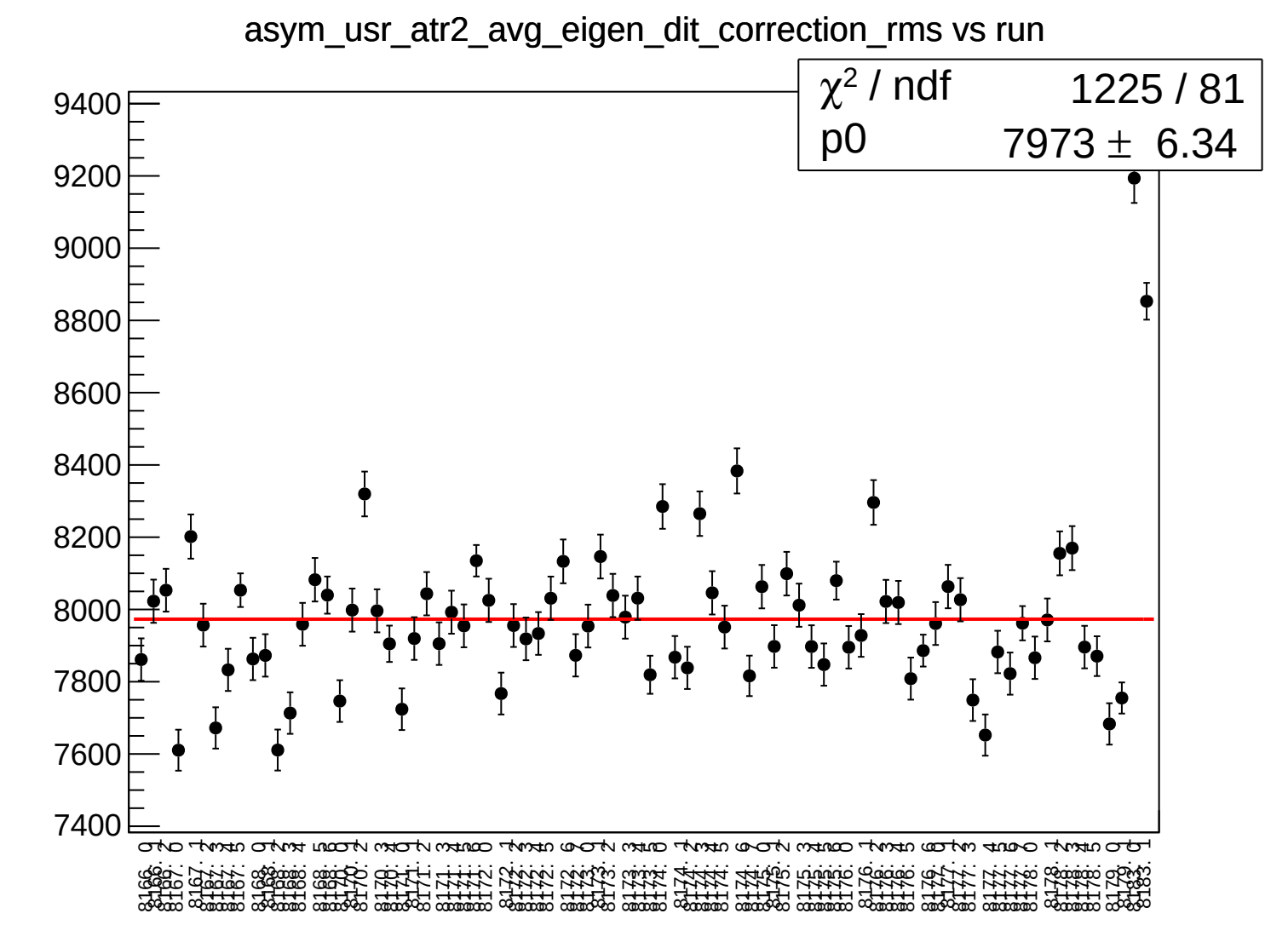

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 1225 / 81
p0 7973 ± 6.34
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

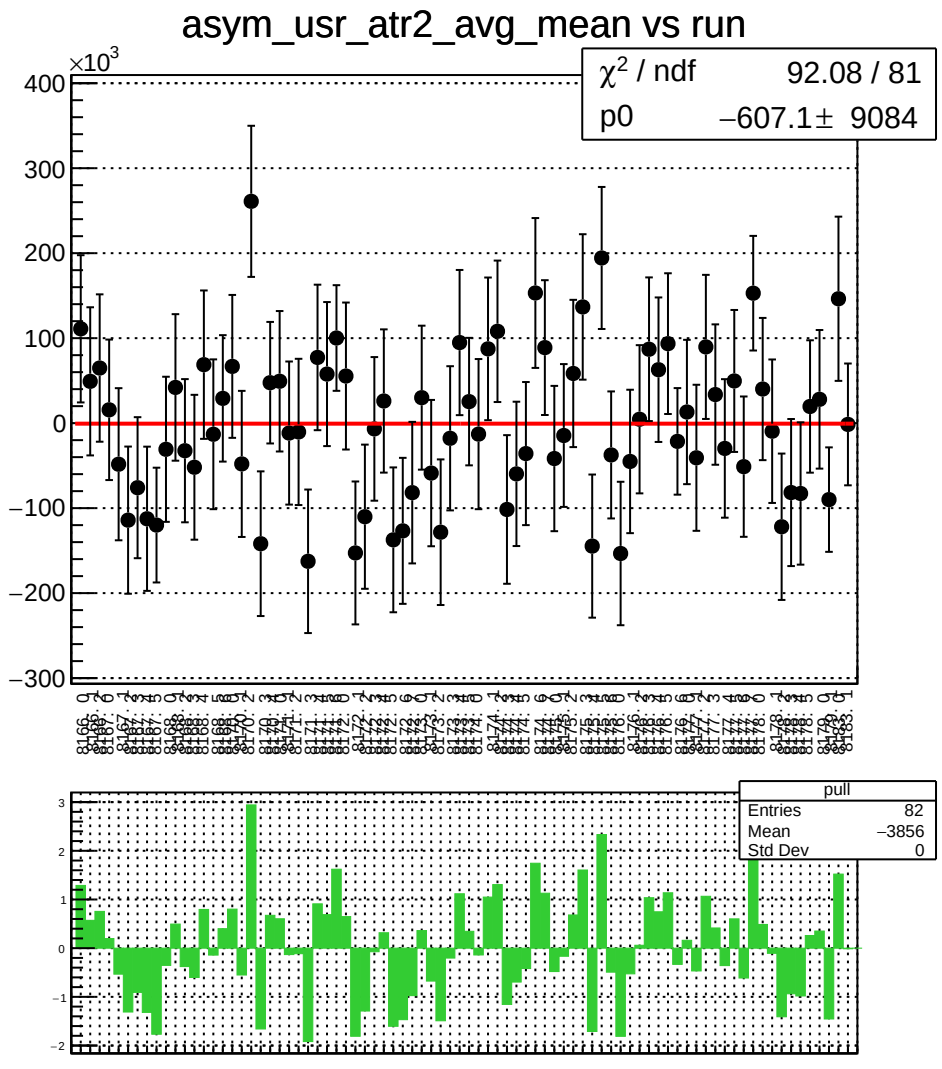

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 75.5 / 81
p0 1768 ± 1984
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1.367e+04
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.000233
Std Dev 0.9595
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

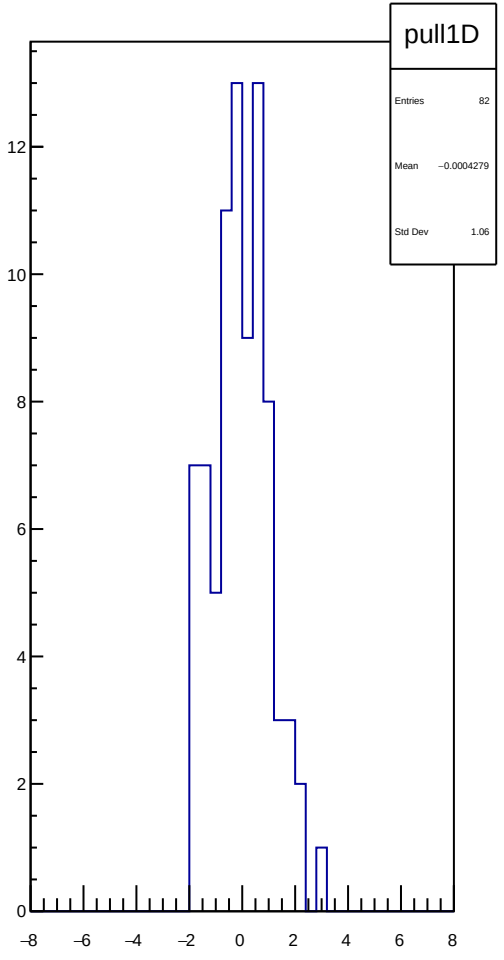

eigen_dit_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 239.5 / 81
p0 1765 ± 1.403
1880
1860
1840
1820
1800
1780
1760
1740
1720

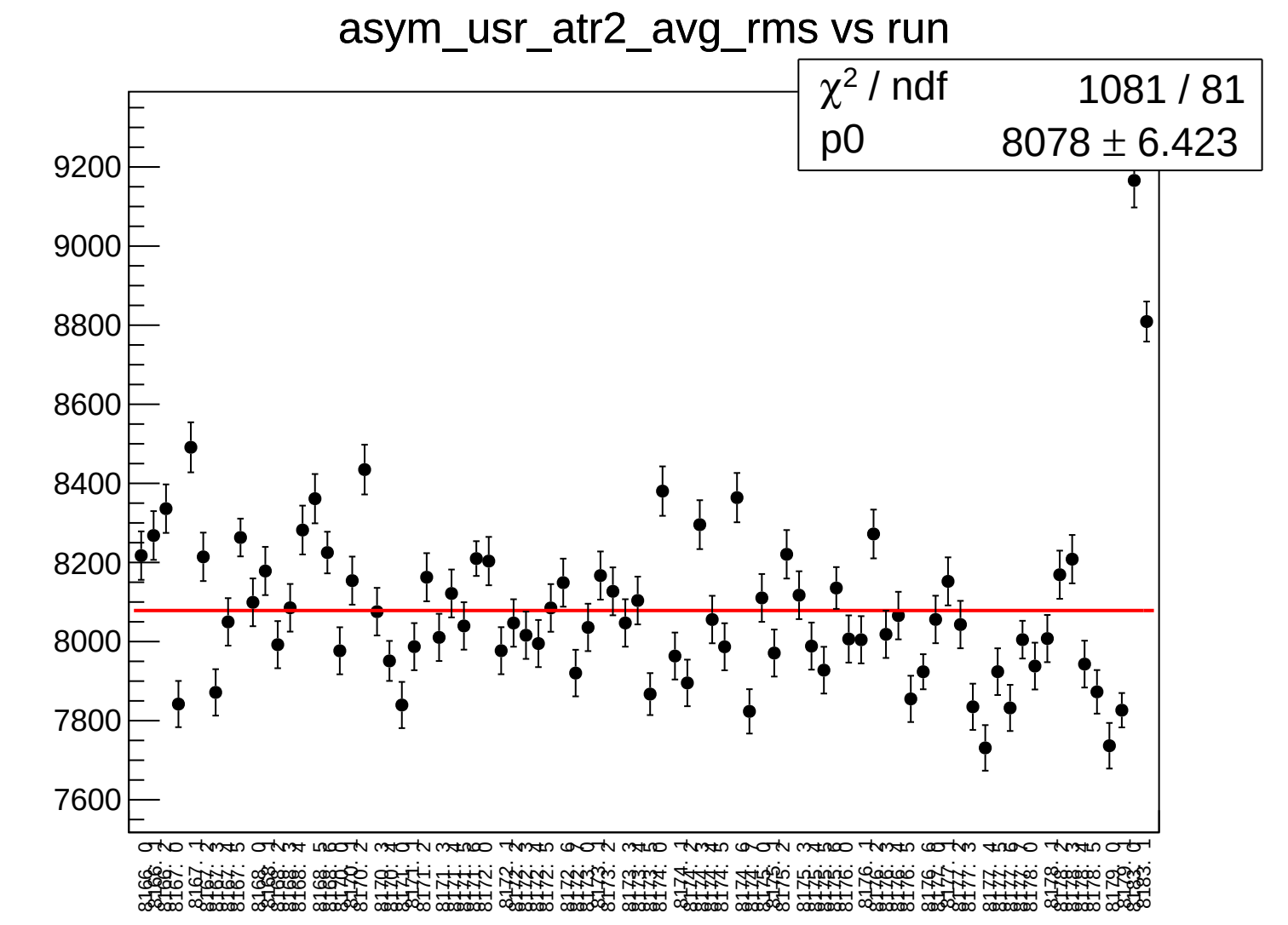

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 95.82 / 81
p0 2563 ± 8965
pull
Entries 82
Mean 1058
Std Dev 0

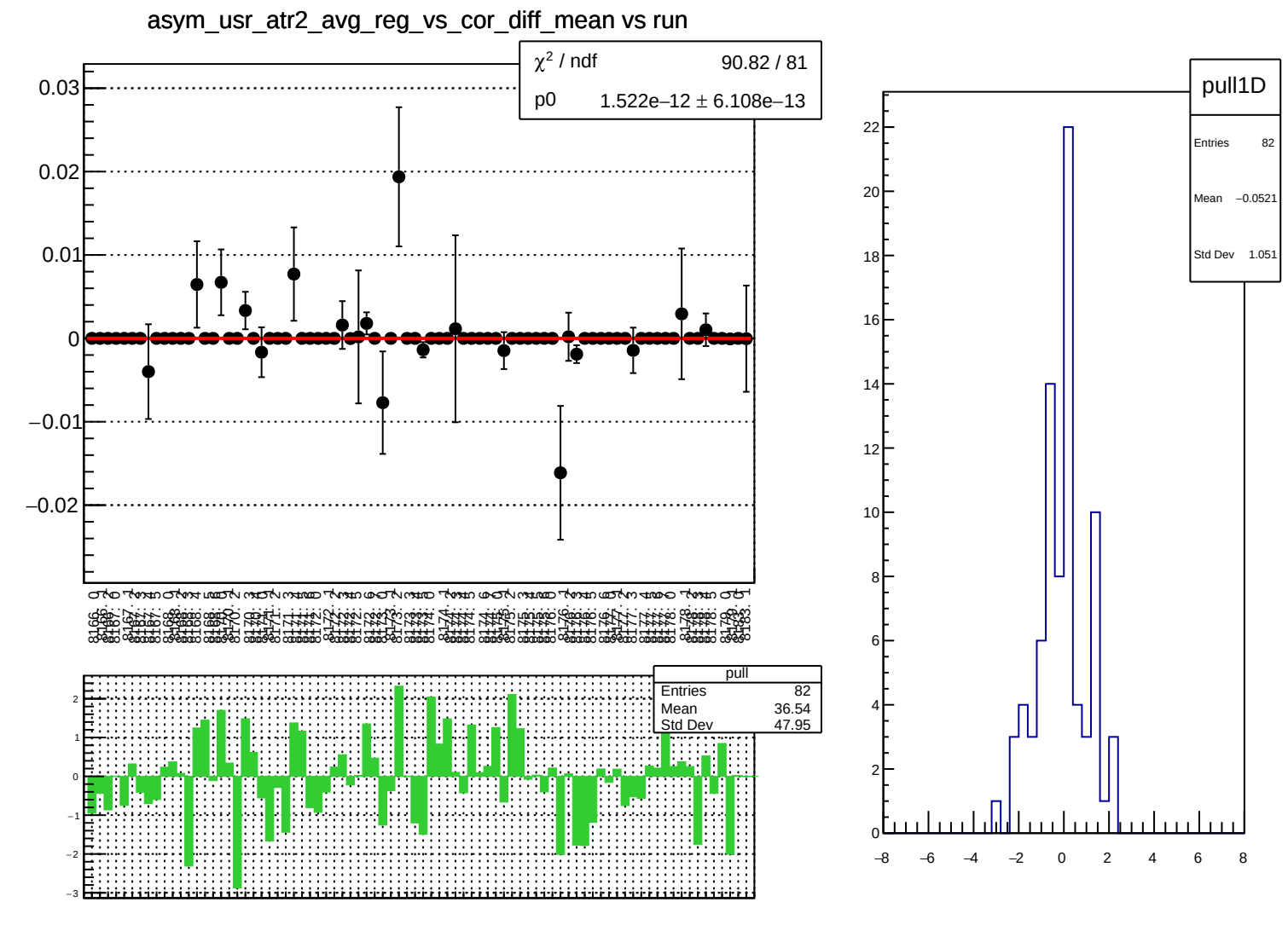

pull1D
Entries 82
Mean −0.000945
Std Dev 1.081

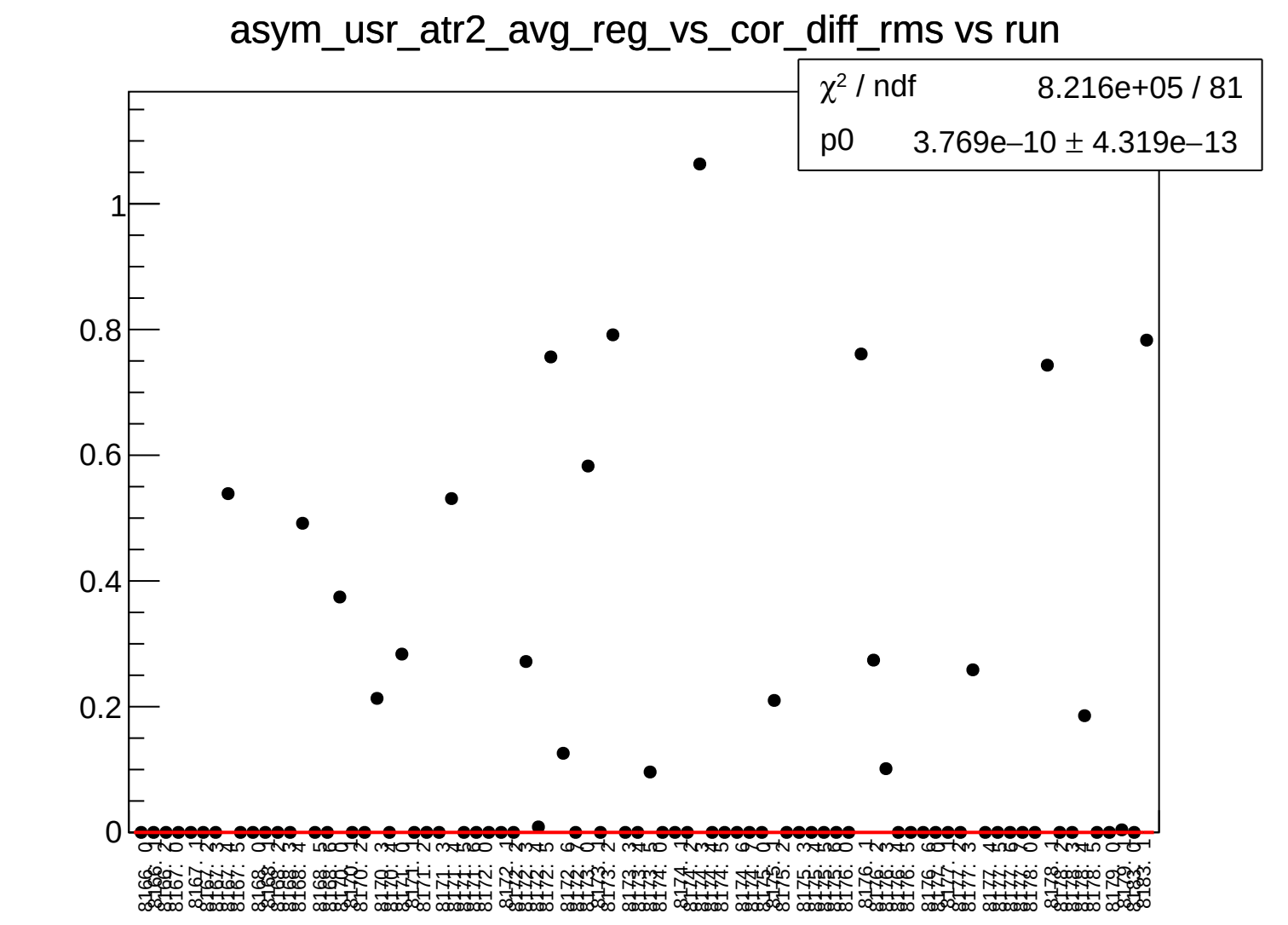

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1225 / 81
p0 7973 ± 6.34
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400

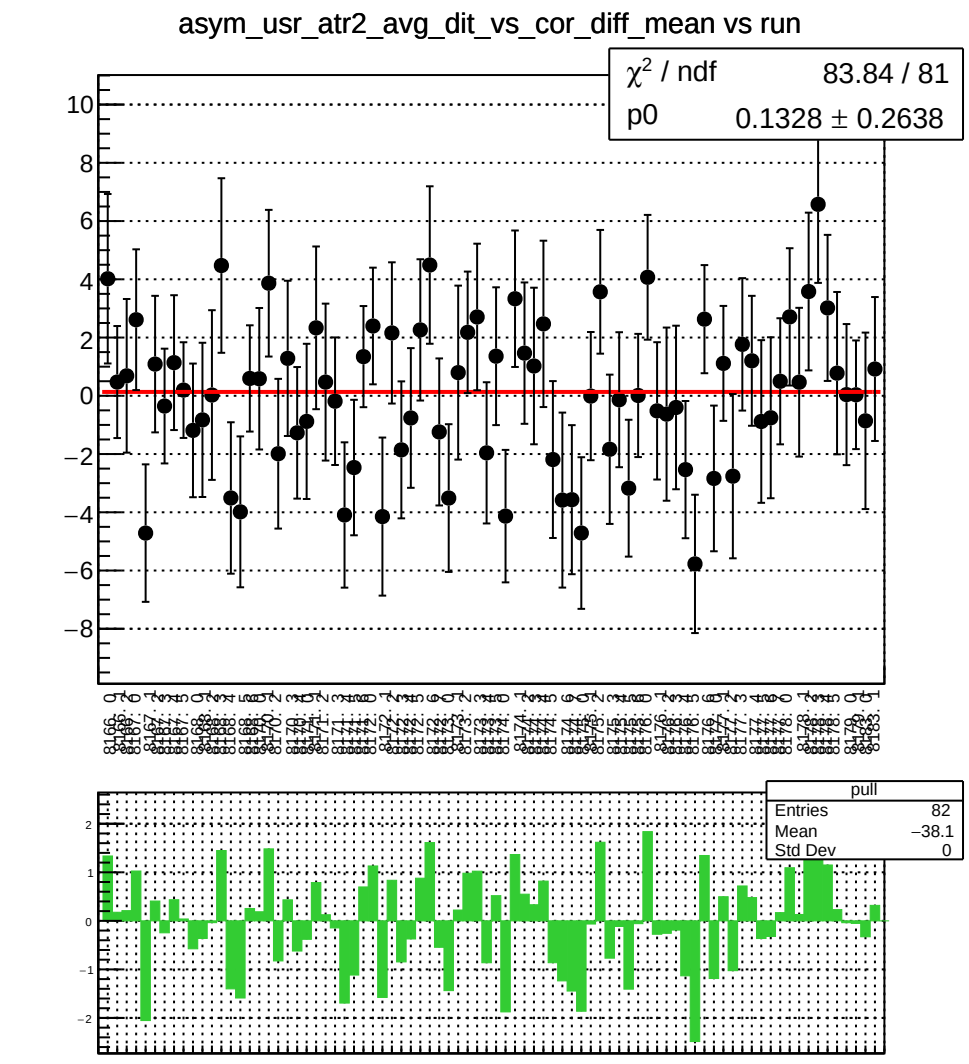

asym_usr_atr2_avg_mean vs run
×10^3
χ^2 / ndf 92.08 / 81
p0 −607.1± 9084
pull
Entries 82
Mean −3856
Std Dev 0

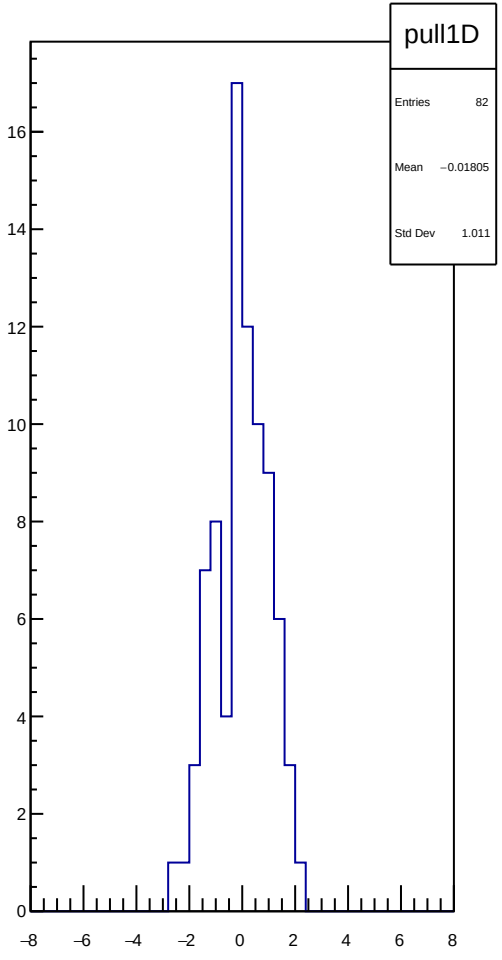

pull1D
Entries 82
Mean −0.0004279
Std Dev 1.06

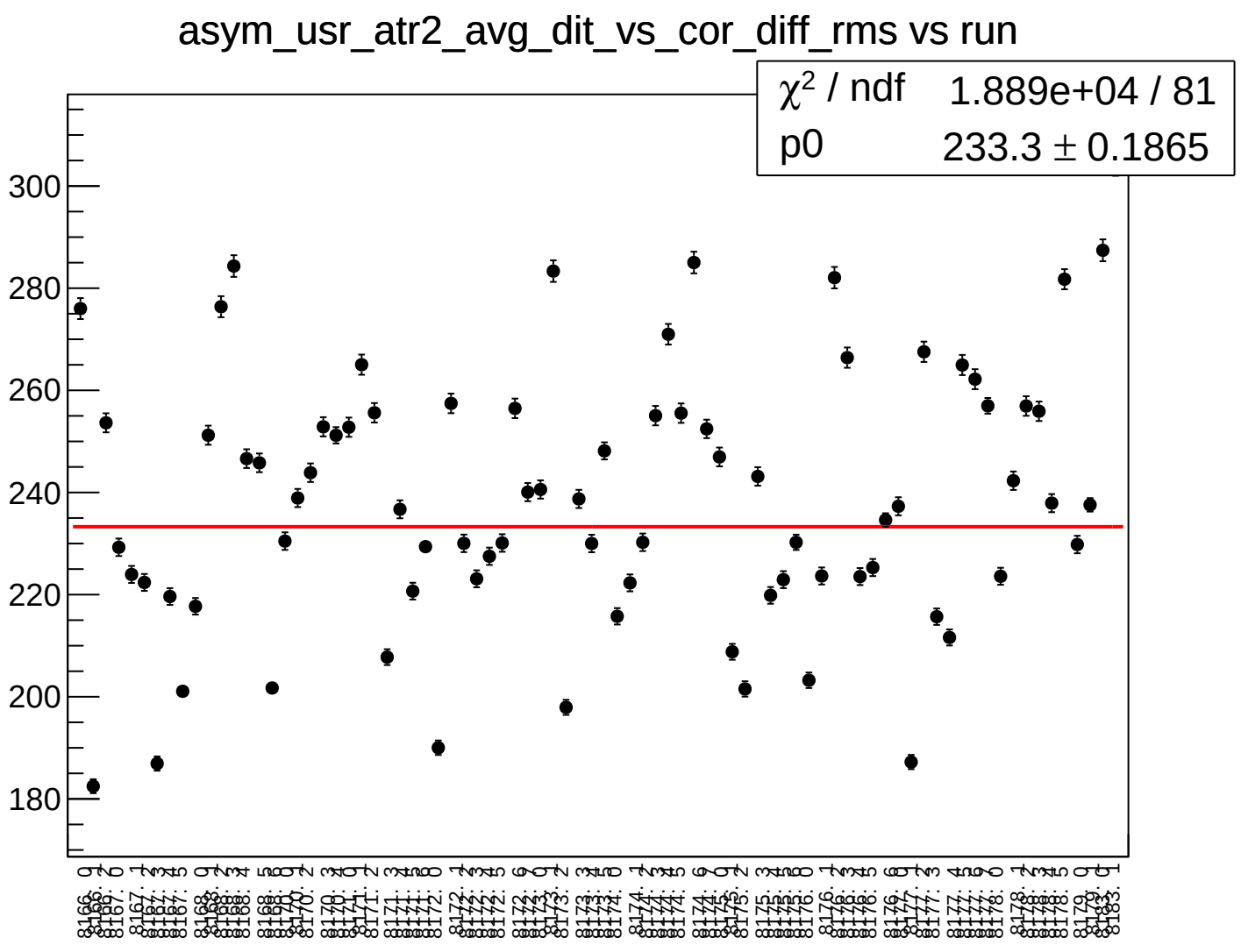

asym_usr_atr2_avg_rms vs run
χ^2 / ndf 1081 / 81
p0 8078 ± 6.423
9200
9000
8800
8600
8400
8200
8000
7800
7600

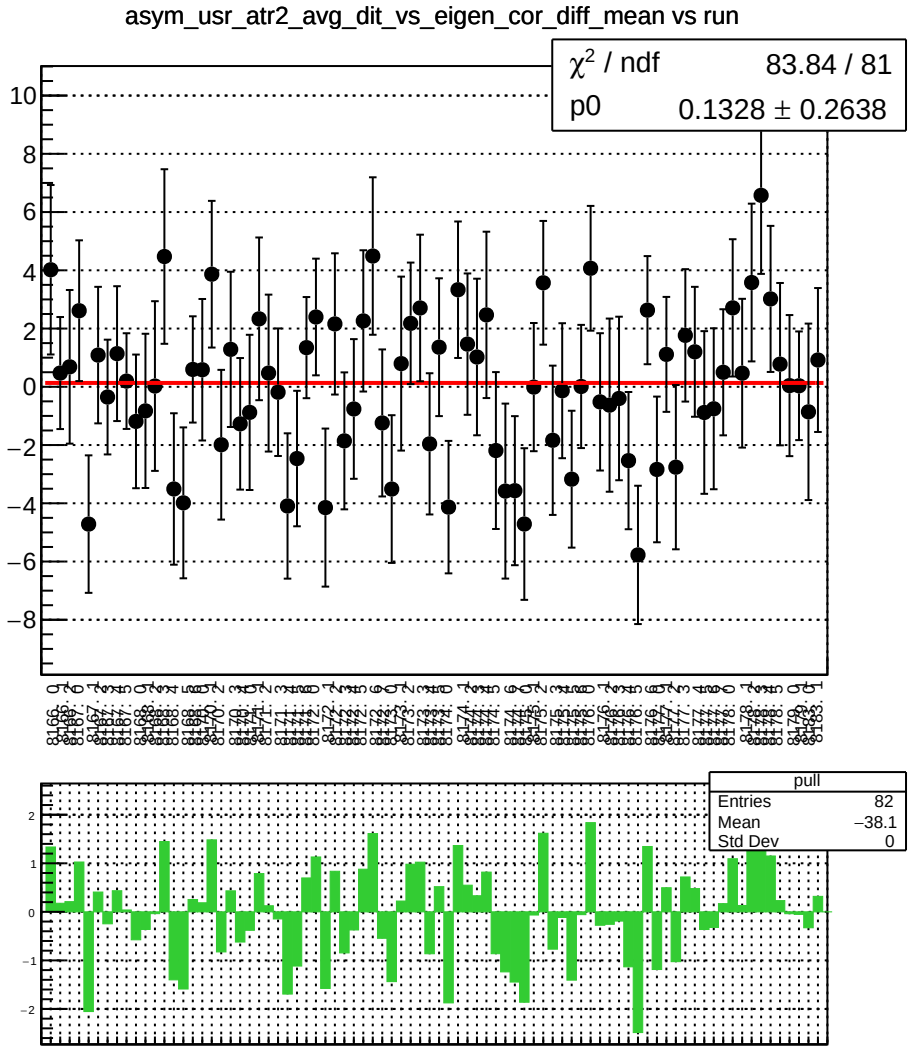

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 90.82 / 81
p0 1.522e−12 ± 6.108e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 82
Mean 36.54
Std Dev 47.95
pull1D
Entries 82
Mean −0.0521
Std Dev 1.051

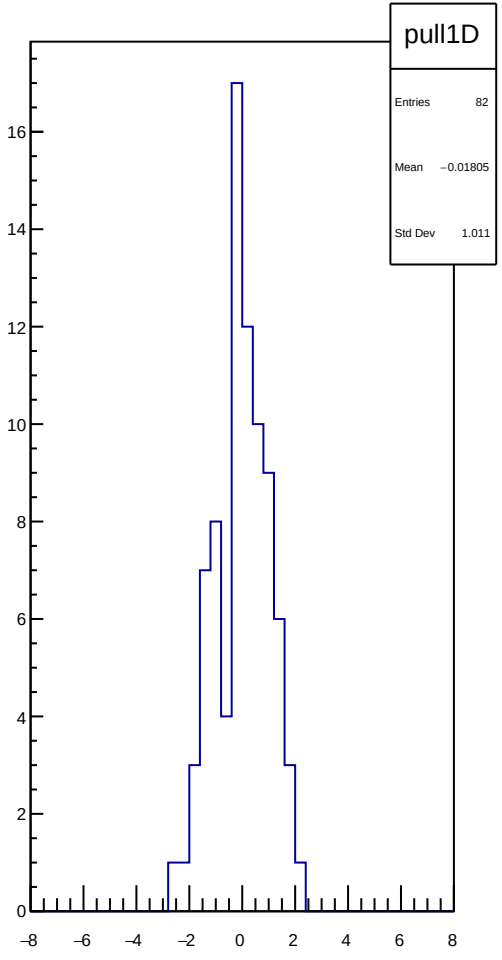

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.216e+05 / 81
p0 3.769e−10 ± 4.319e−13
1
0.8
0.6
0.4
0.2
0

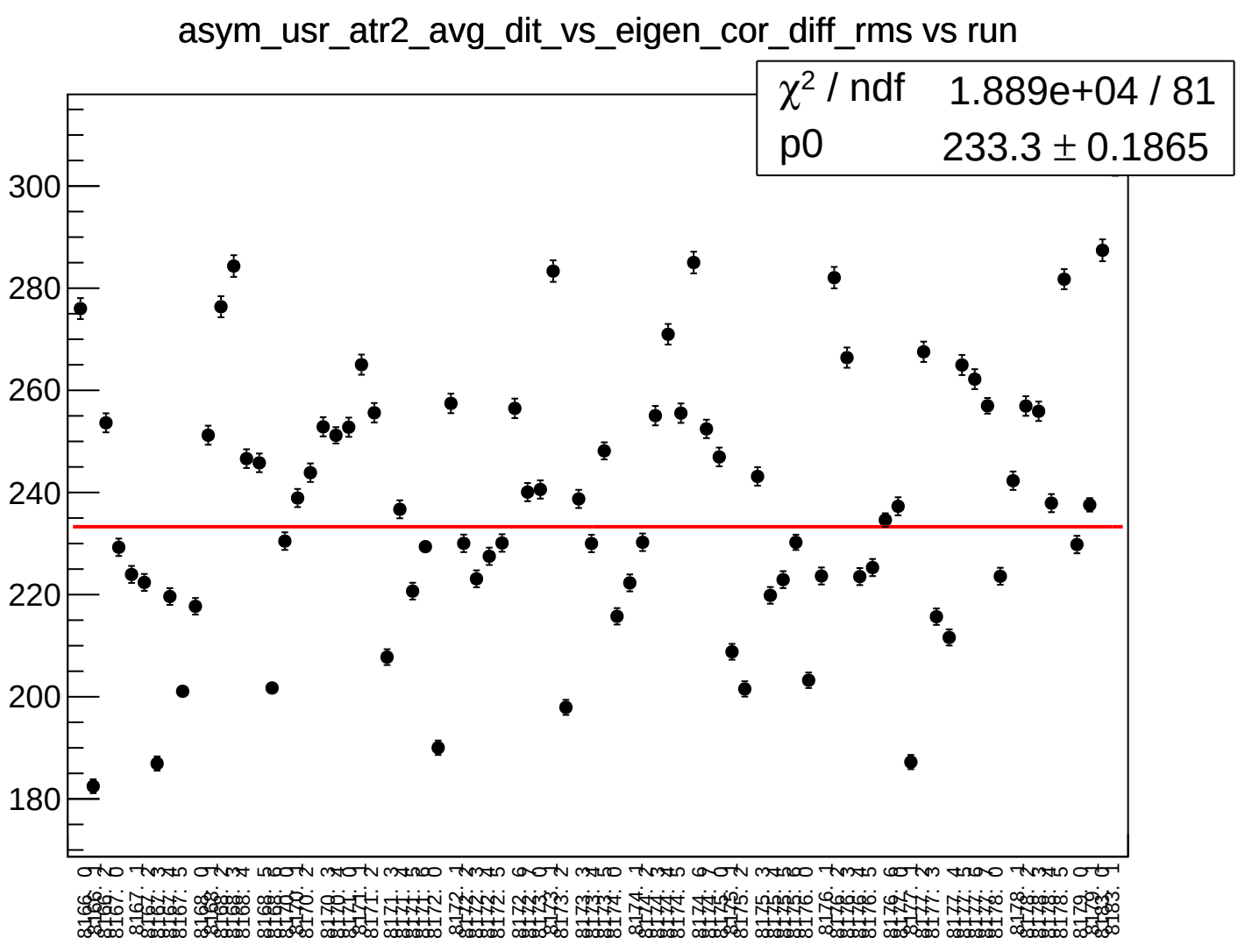

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.84 / 81
p0 0.1328 ± 0.2638
pull
Entries 82
Mean −38.1
Std Dev 0

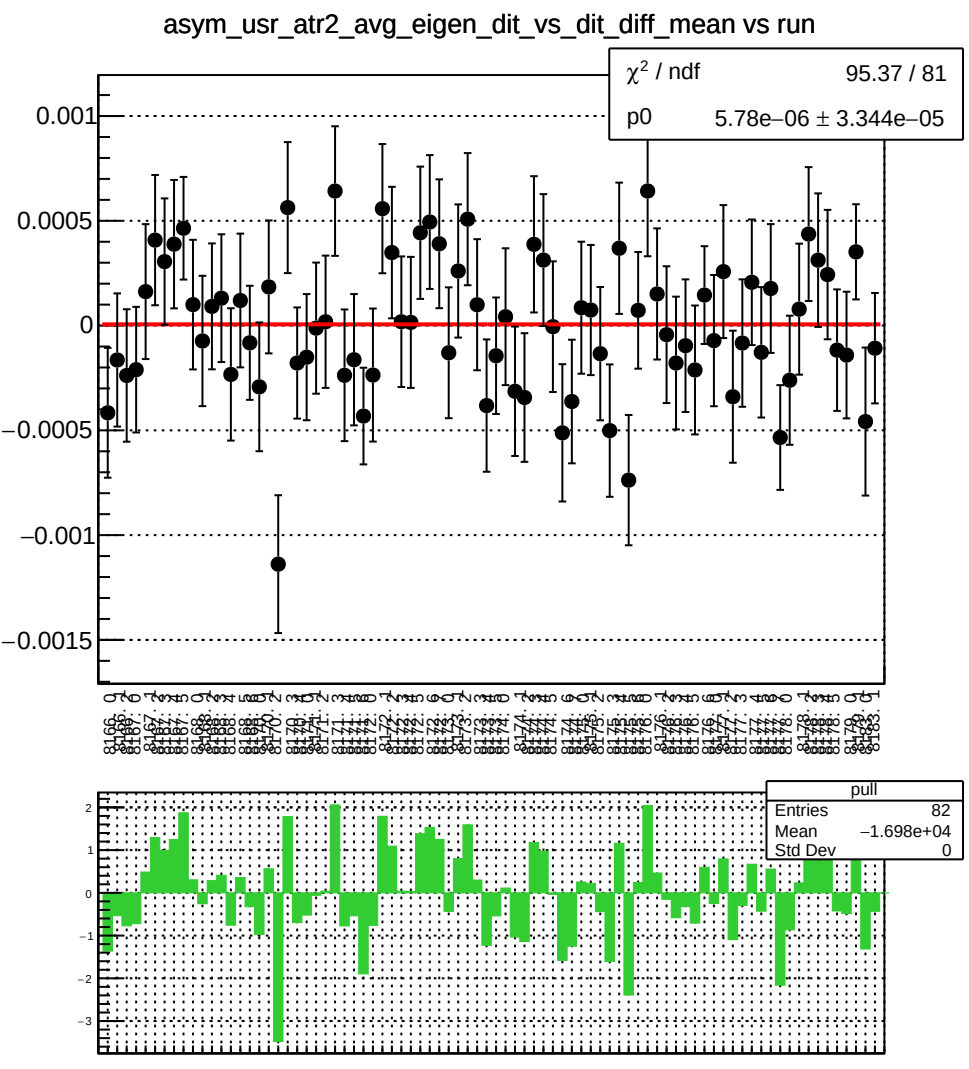

pull1D
Entries 82
Mean −0.01805
Std Dev 1.011

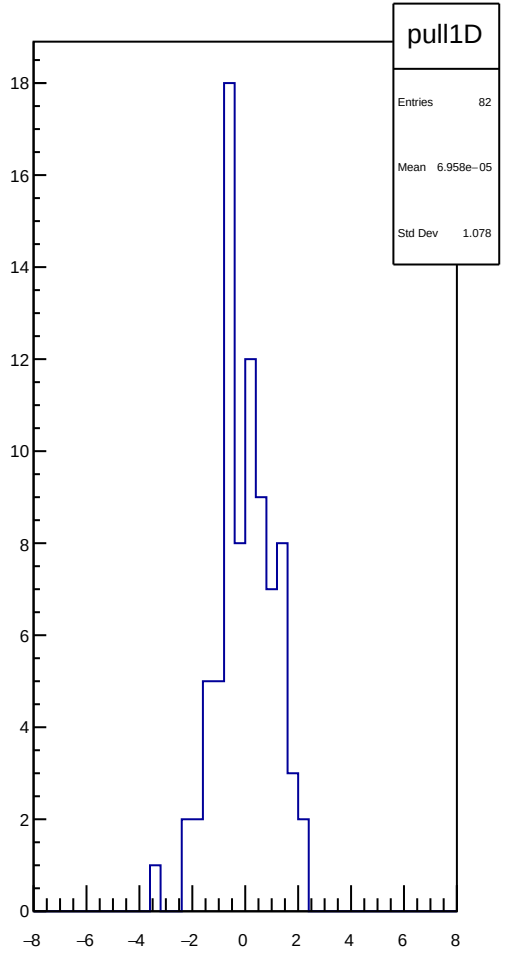

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 81
p0 233.3 ± 0.1865
300
280
260
240
220
200
180

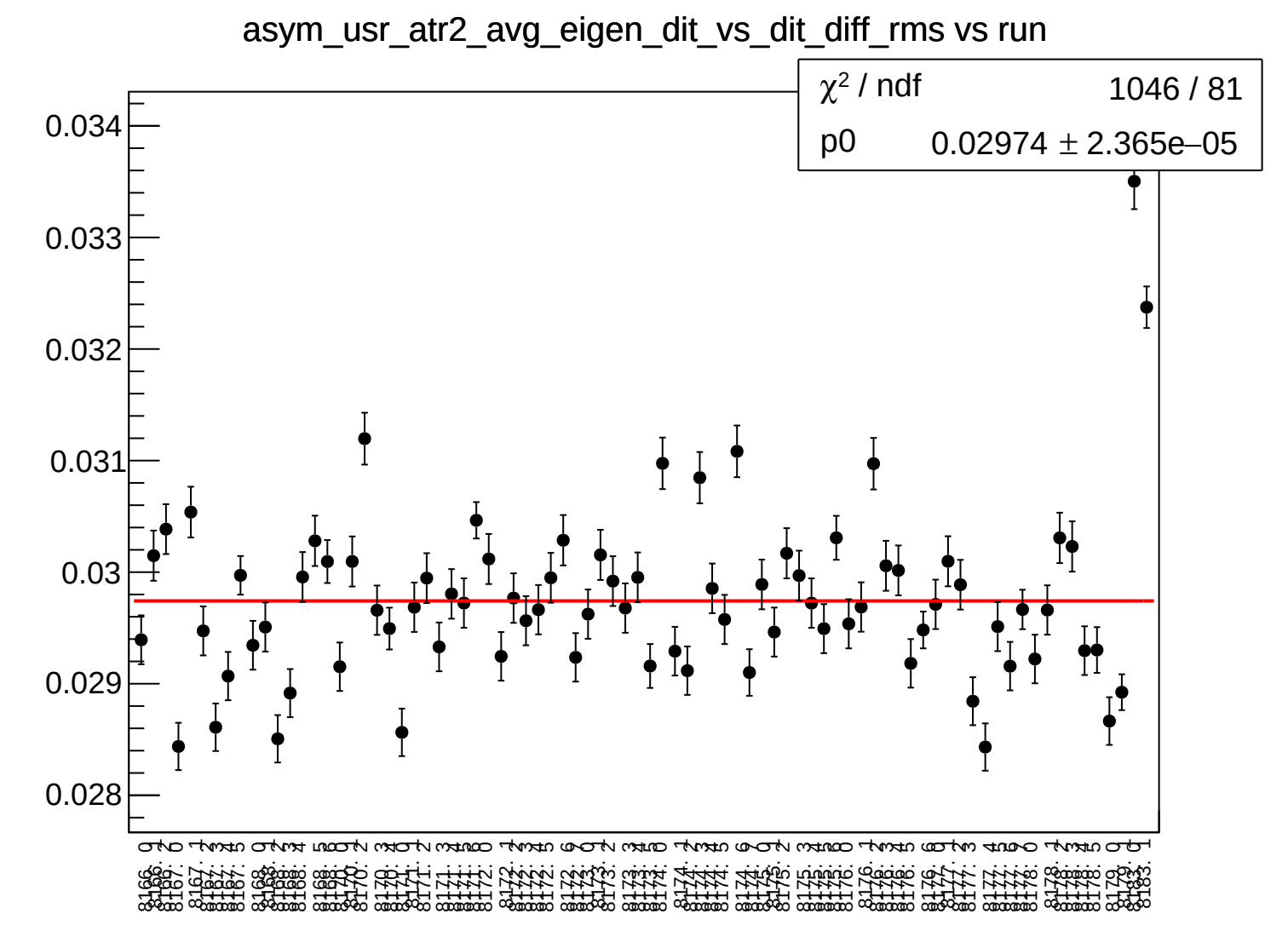

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.84 / 81
p0 0.1328 ± 0.2638
pull
Entries 82
Mean −38.1
Std Dev 0

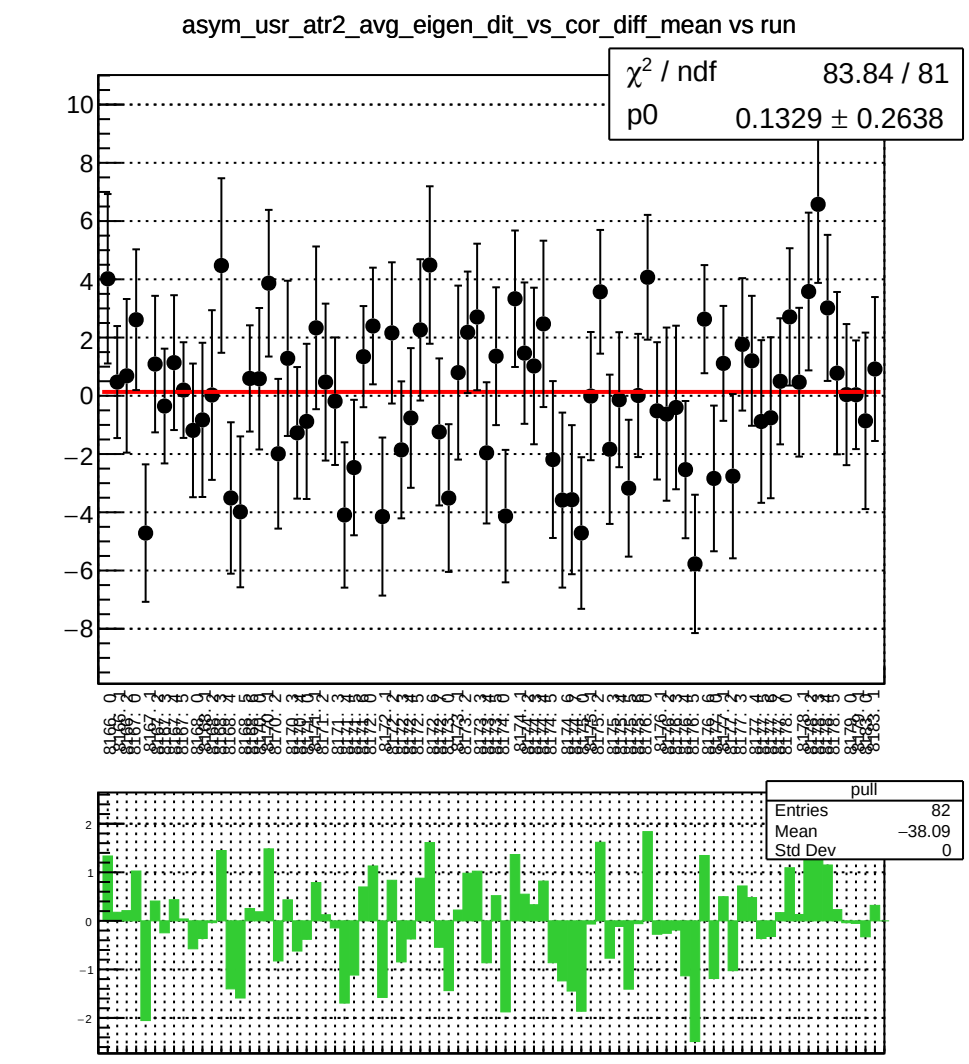

pull1D
Entries 82
Mean −0.01805
Std Dev 1.011

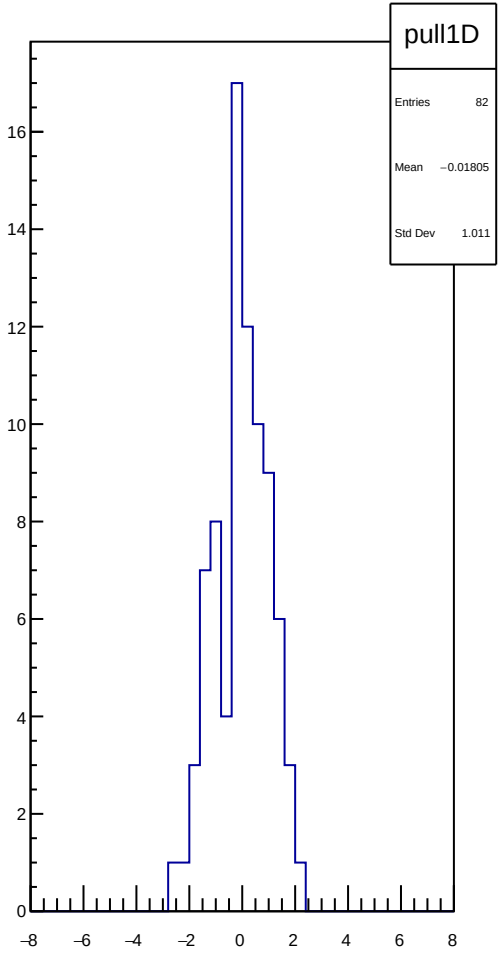

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 81
p0 233.3 ± 0.1865
300
280
260
240
220
200
180

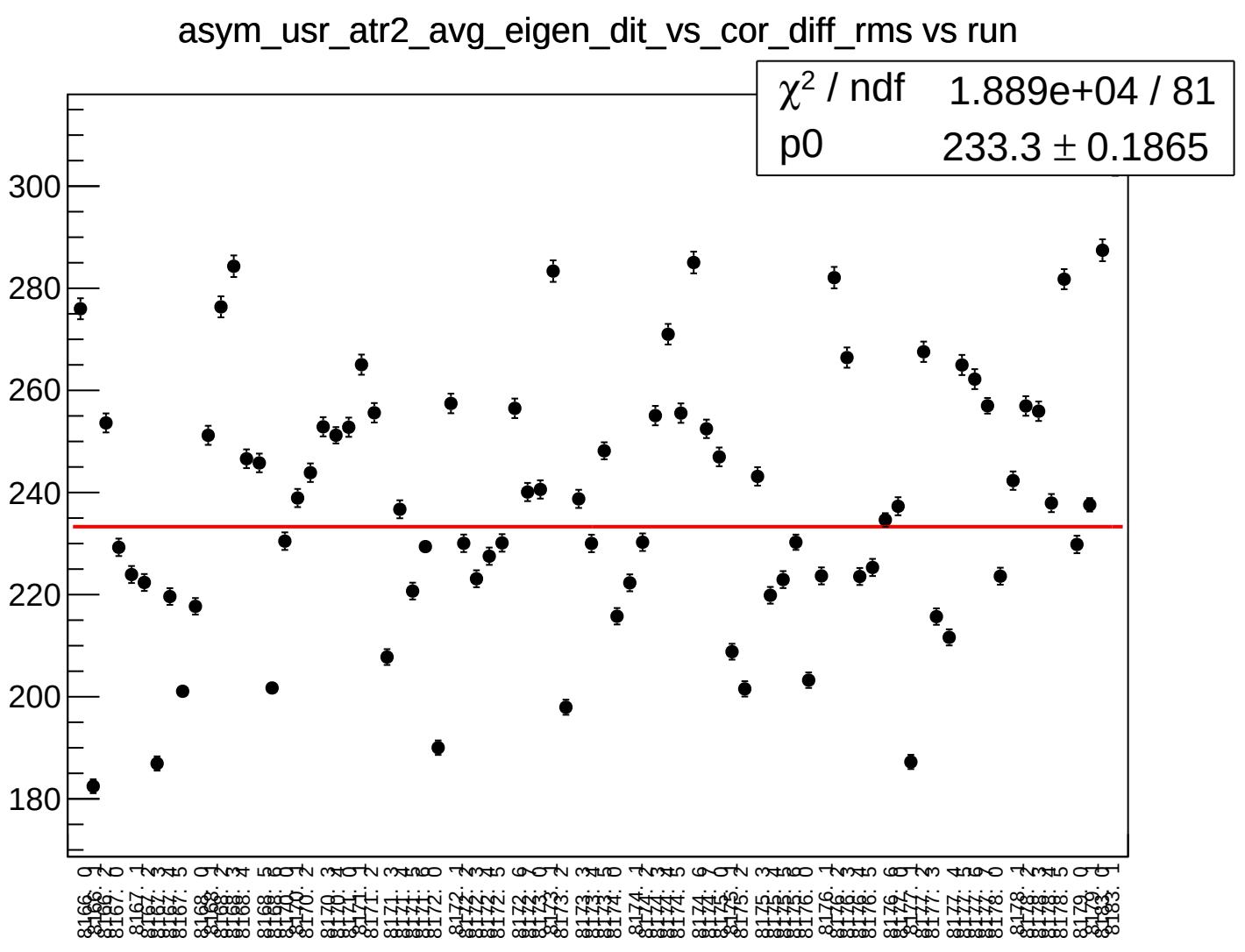

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.37 / 81
p0 5.78e−06 ± 3.344e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean −1.698e+04
Std Dev 0
2
1
0
−1
−2
−3

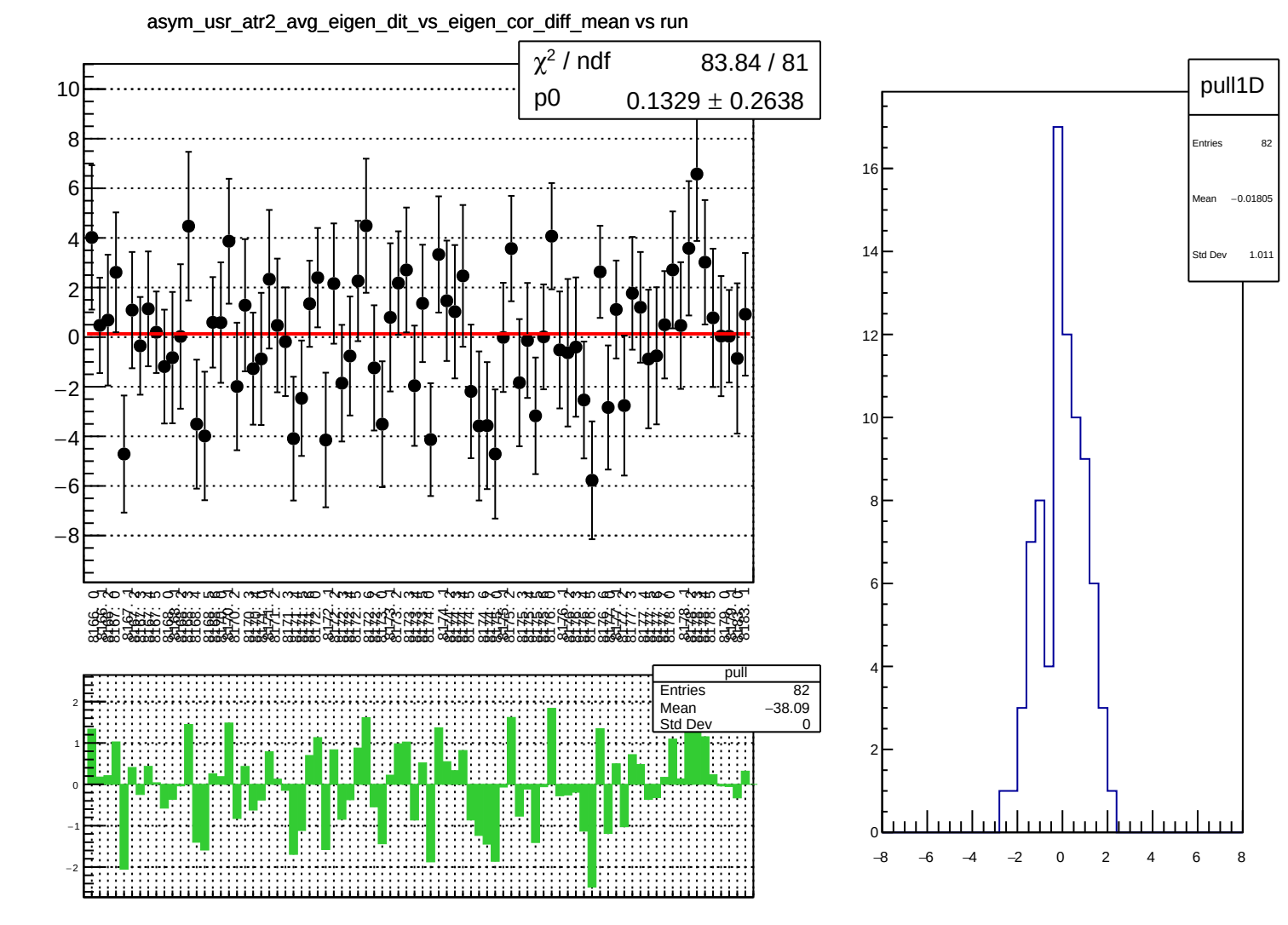

pull1D
Entries 82
Mean 6.958e−05
Std Dev 1.078
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

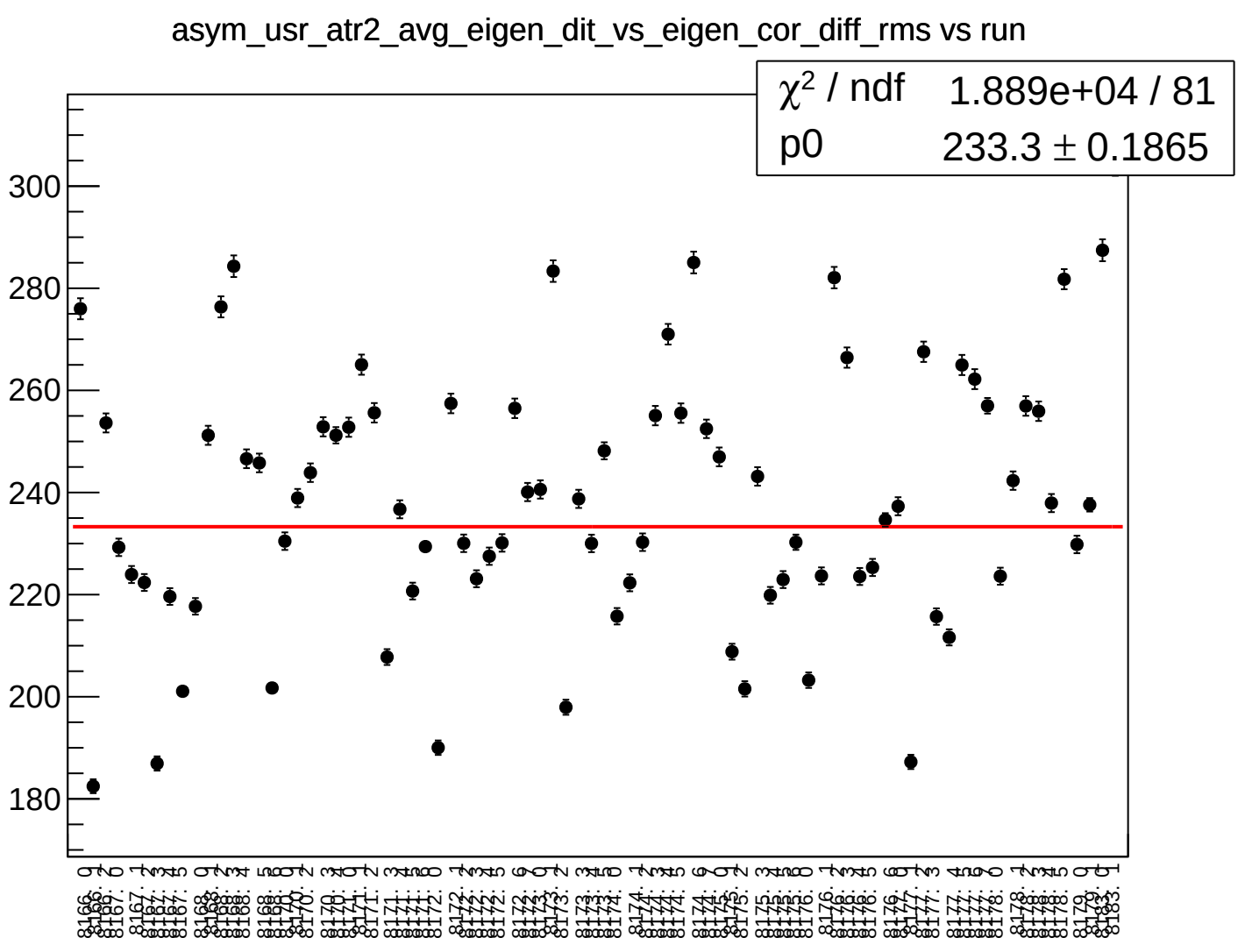

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1046 / 81
p0 0.02974 ± 2.365e−05
0.034
0.033
0.032
0.031
0.03
0.029
0.028

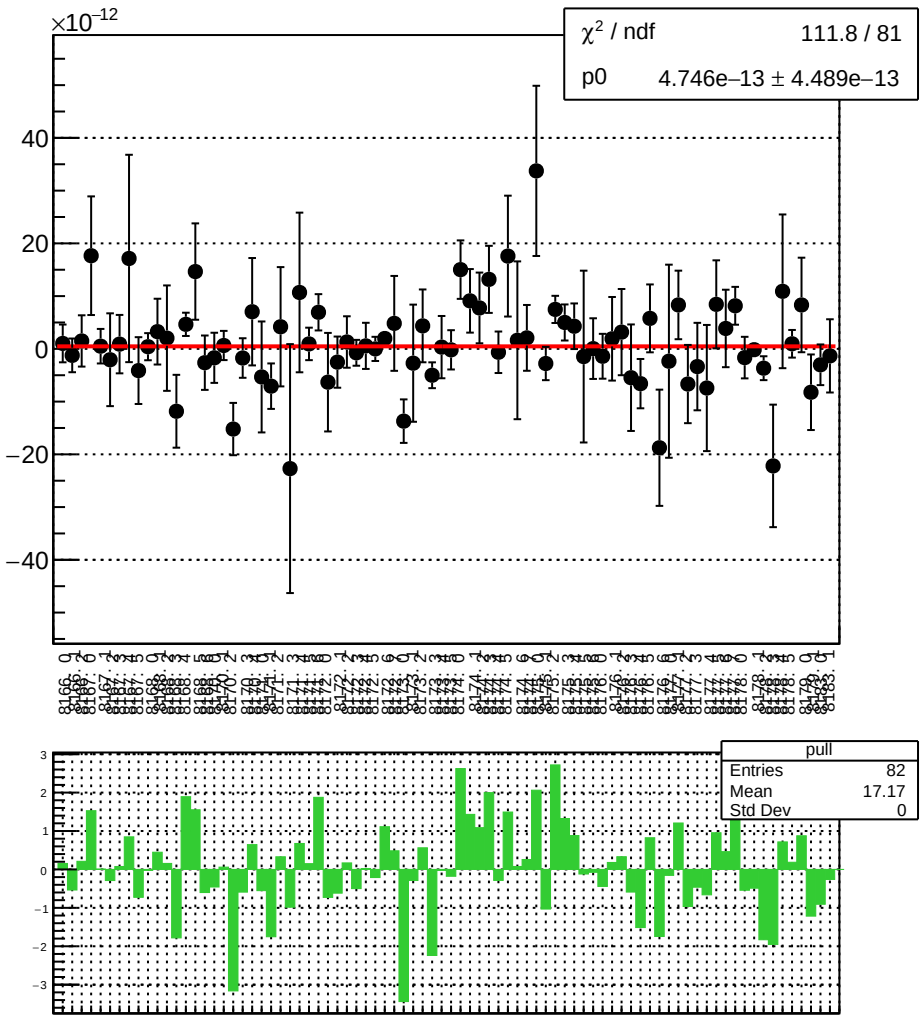

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.84 / 81
p0 0.1329 ± 0.2638
pull
Entries 82
Mean −38.09
Std Dev 0

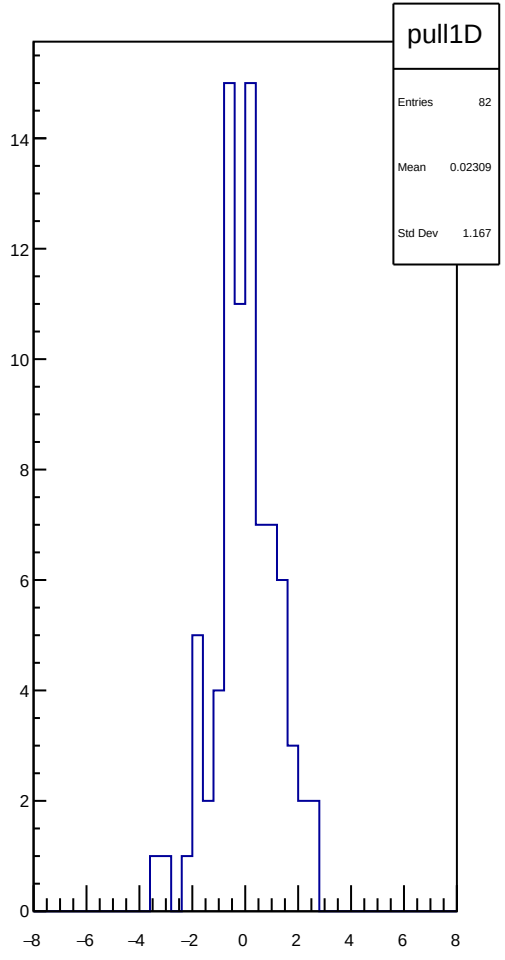

pull1D
Entries 82
Mean −0.01805
Std Dev 1.011

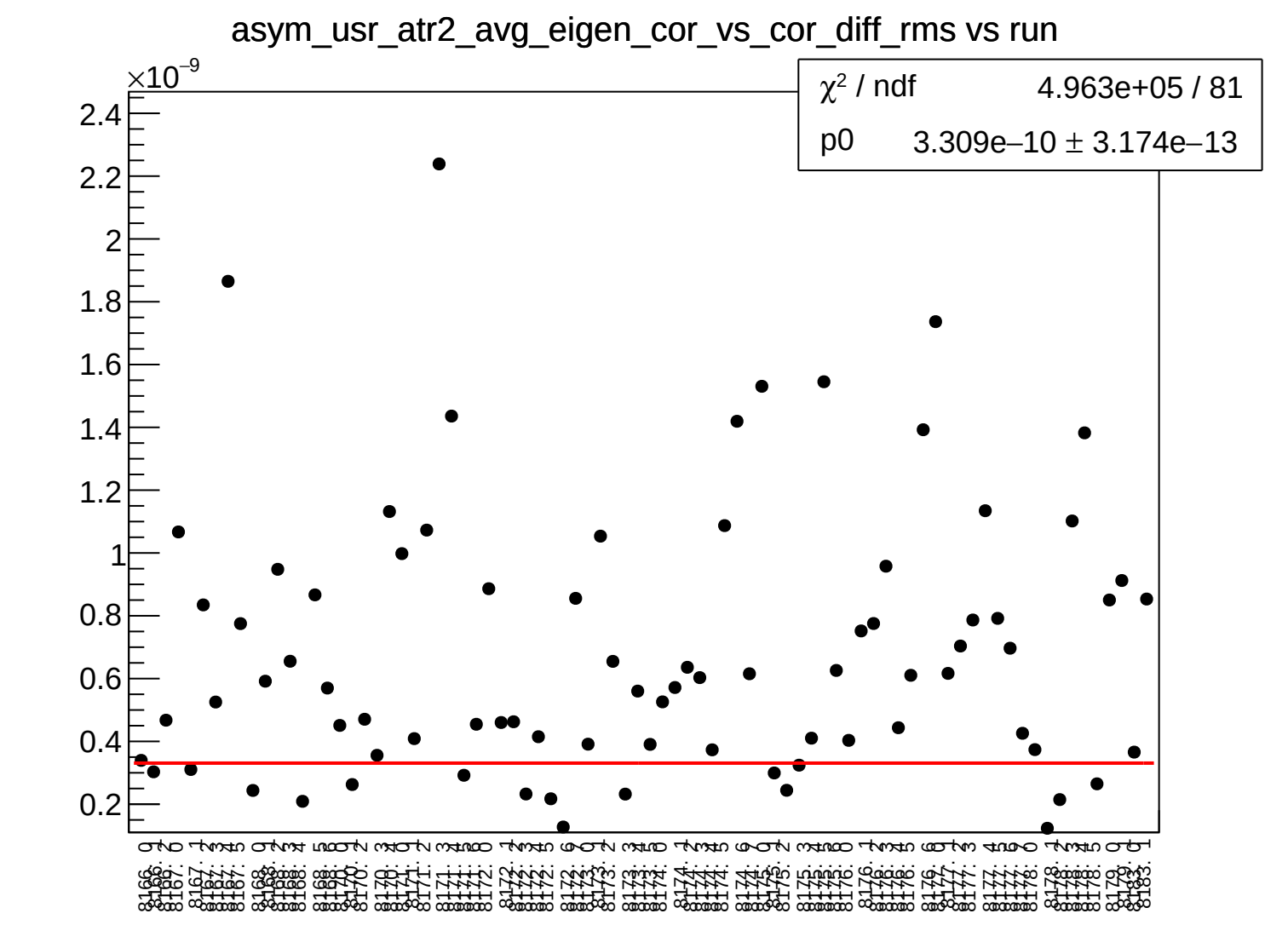

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 81
p0 233.3 ± 0.1865
300
280
260
240
220
200
180

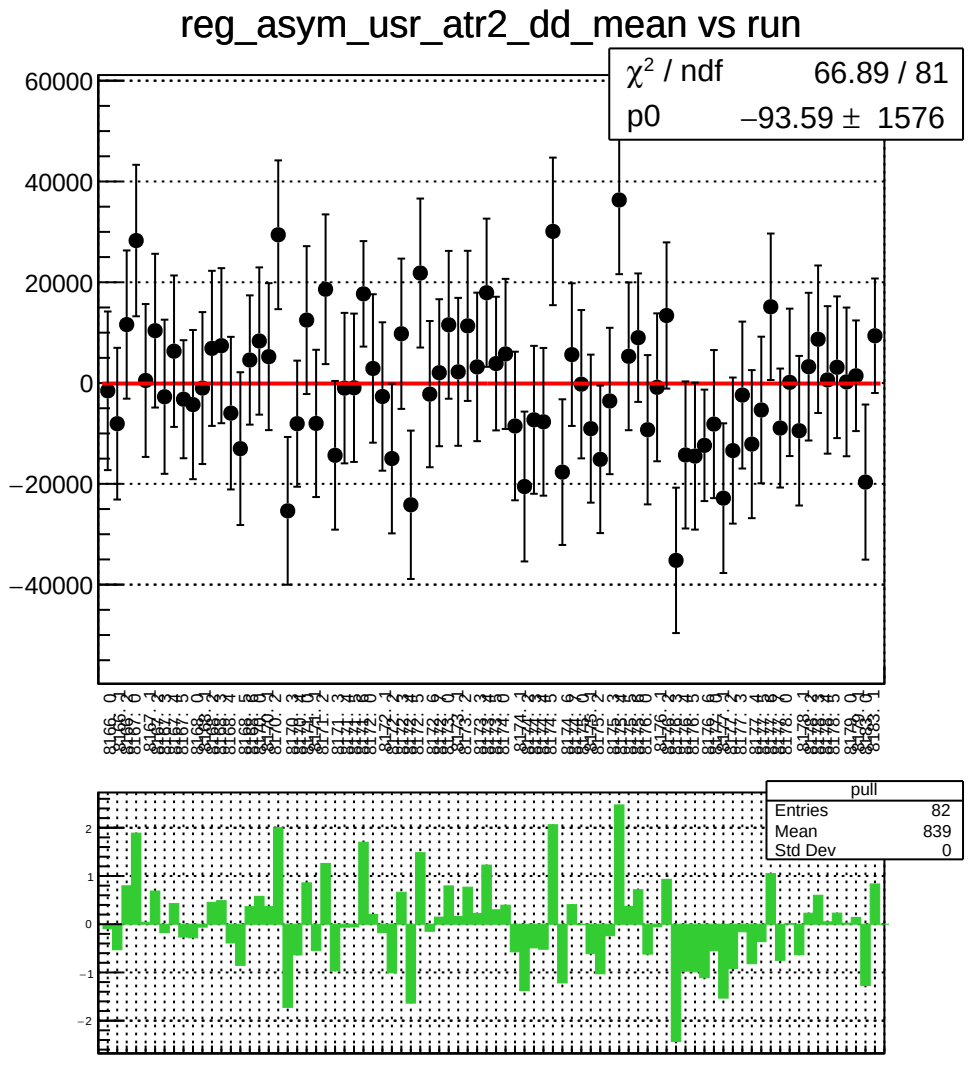

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.84 / 81
p0 0.1329 ± 0.2638
pull
Entries 82
Mean −38.09
Std Dev 0
pull1D
Entries 82
Mean −0.01805
Std Dev 1.011

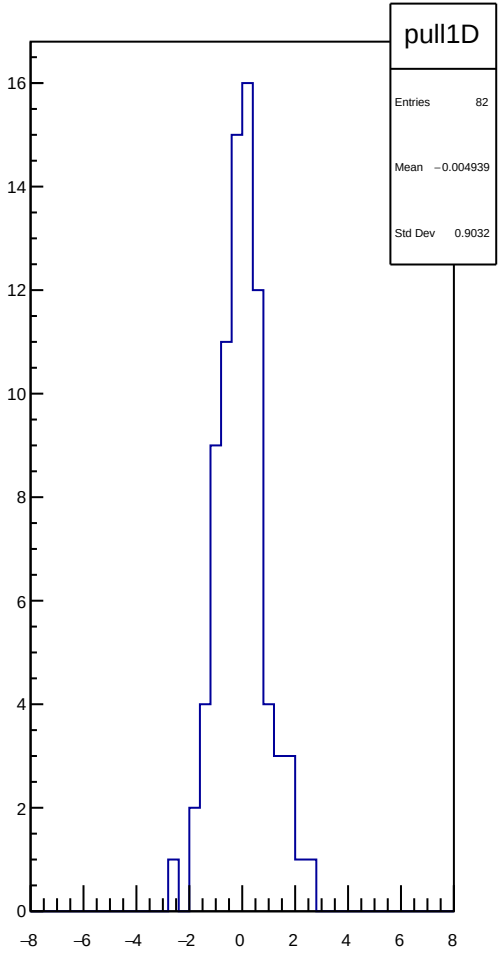

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.889e+04 / 81
p0 233.3 ± 0.1865
300
280
260
240
220
200
180

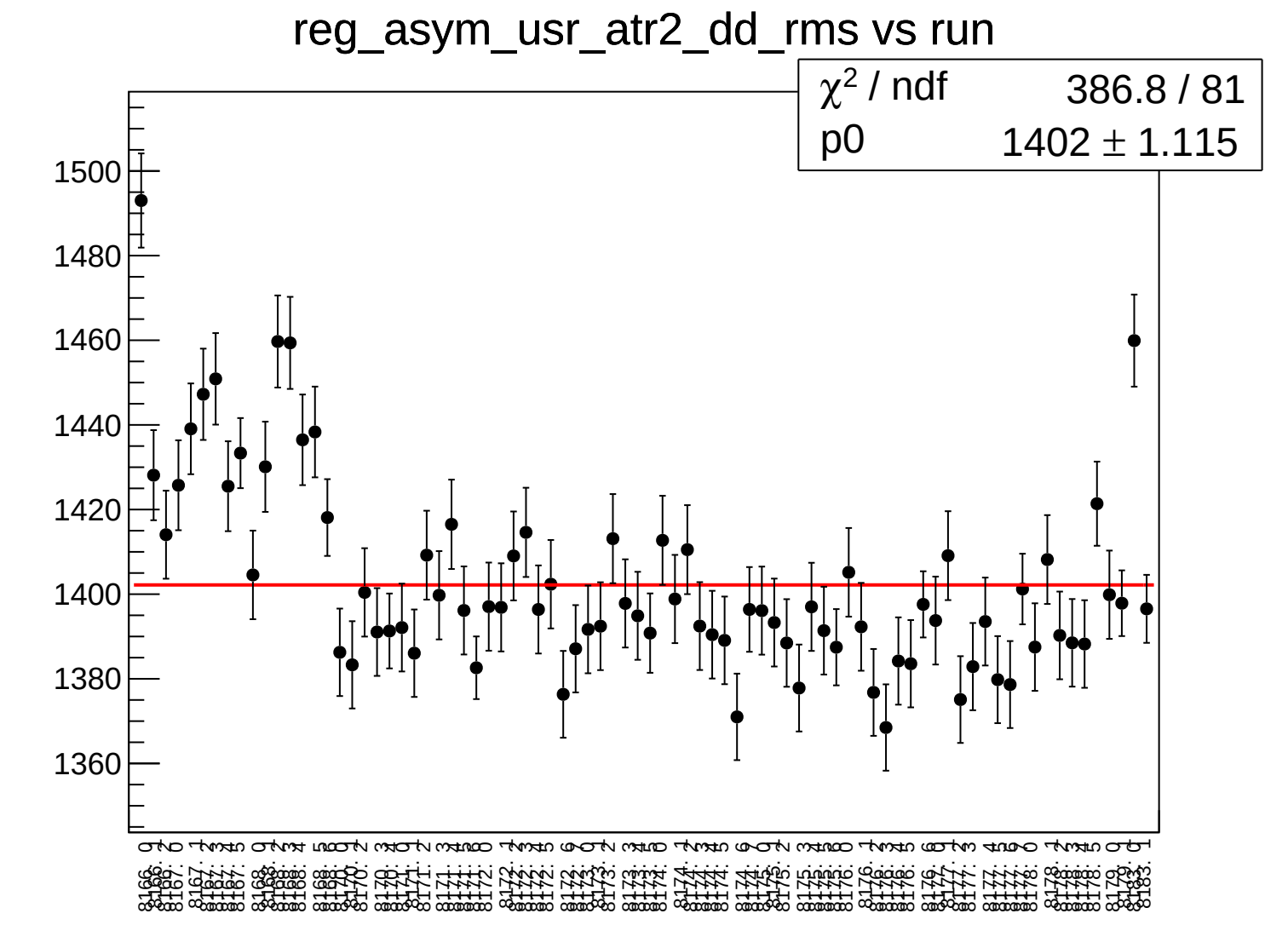

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 111.8 / 81
p0 4.746e−13 ± 4.489e−13
40
20
0
−20
−40
pull
Entries 82
Mean 17.17
Std Dev 0
3
2
1
0
−1
−2
−3

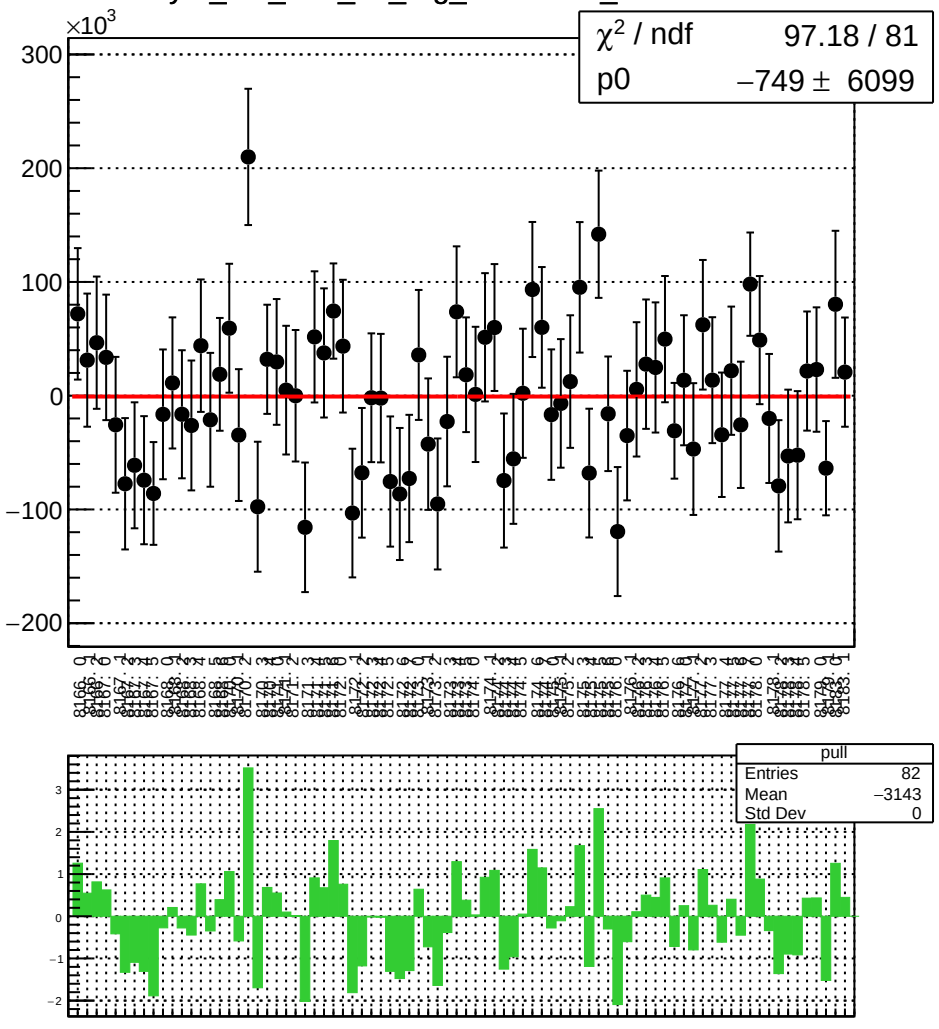

pull1D
Entries 82
Mean 0.02309
Std Dev 1.167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

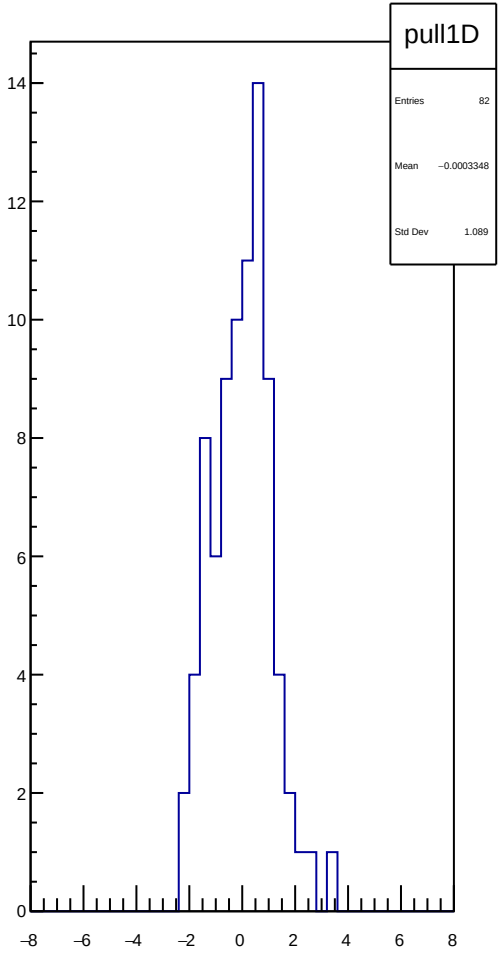

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.963e+05 / 81
p0 3.309e−10 ± 3.174e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

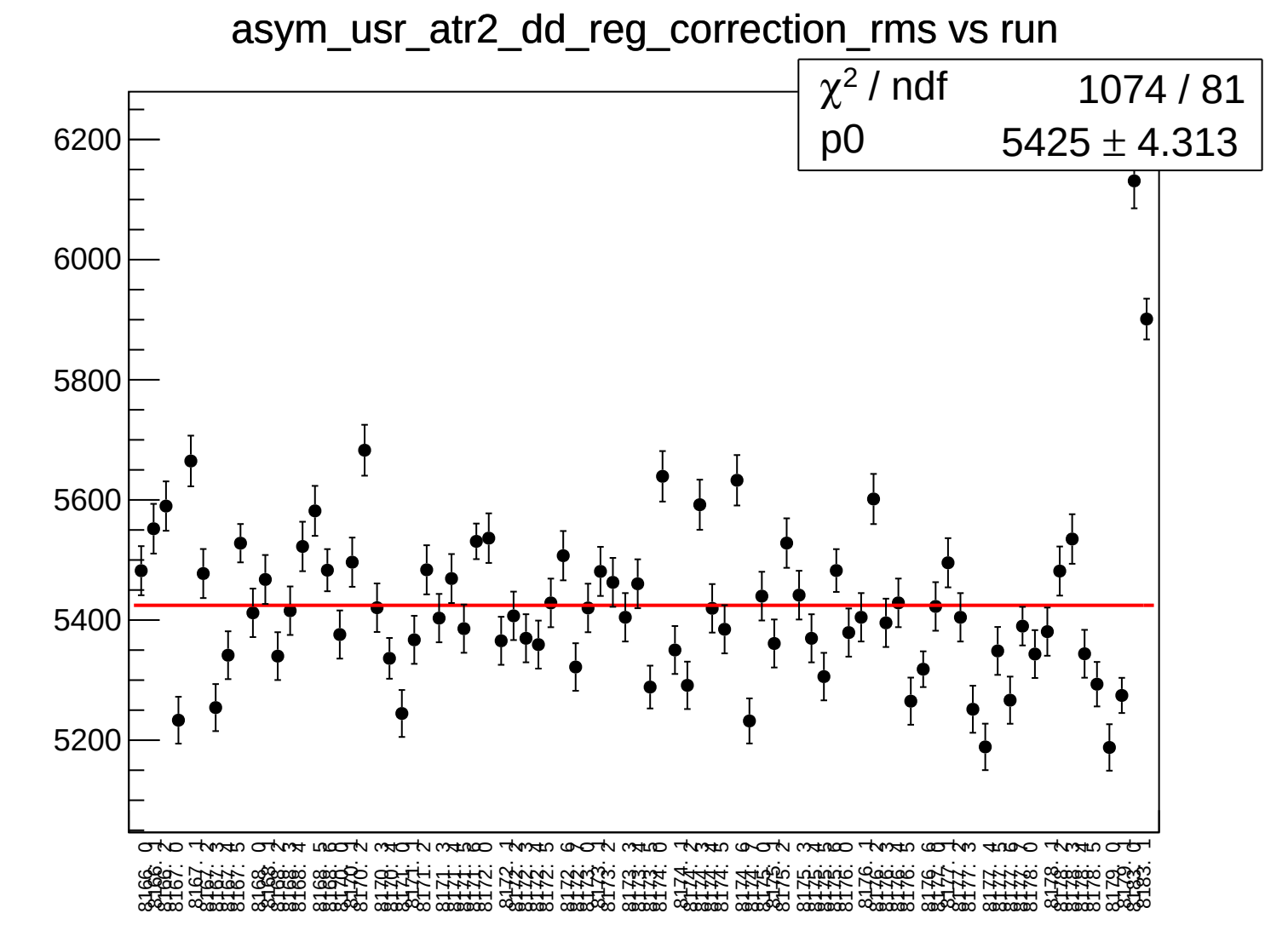

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 66.89 / 81
p0 −93.59 ± 1576
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 839
Std Dev 0
2
1
0
−1
−2

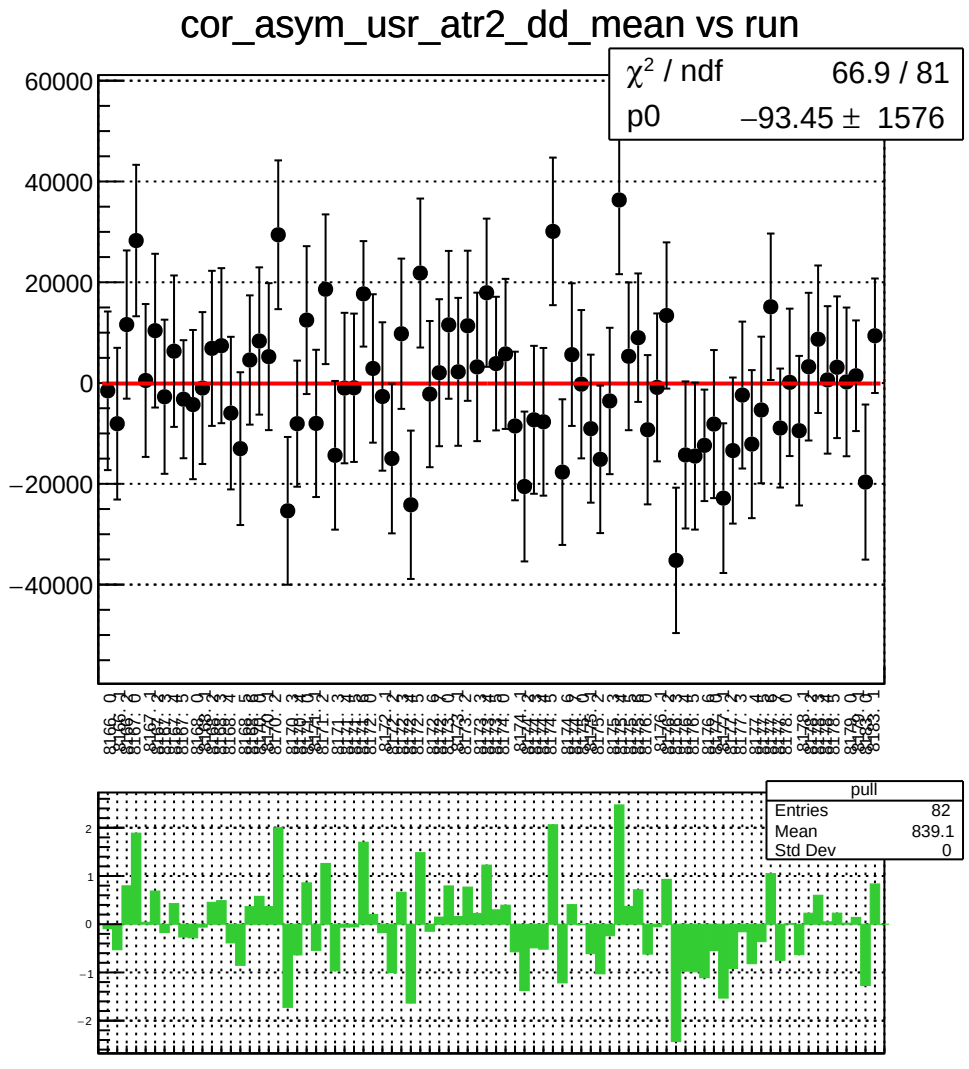

pull1D
Entries 82
Mean −0.004939
Std Dev 0.9032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

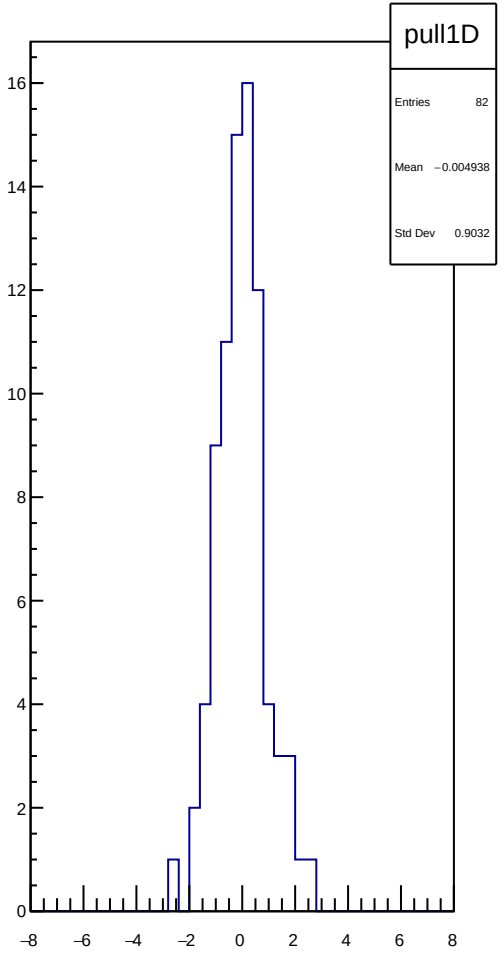

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 386.8 / 81
p0 1402 ± 1.115
1500
1480
1460
1440
1420
1400
1380
1360

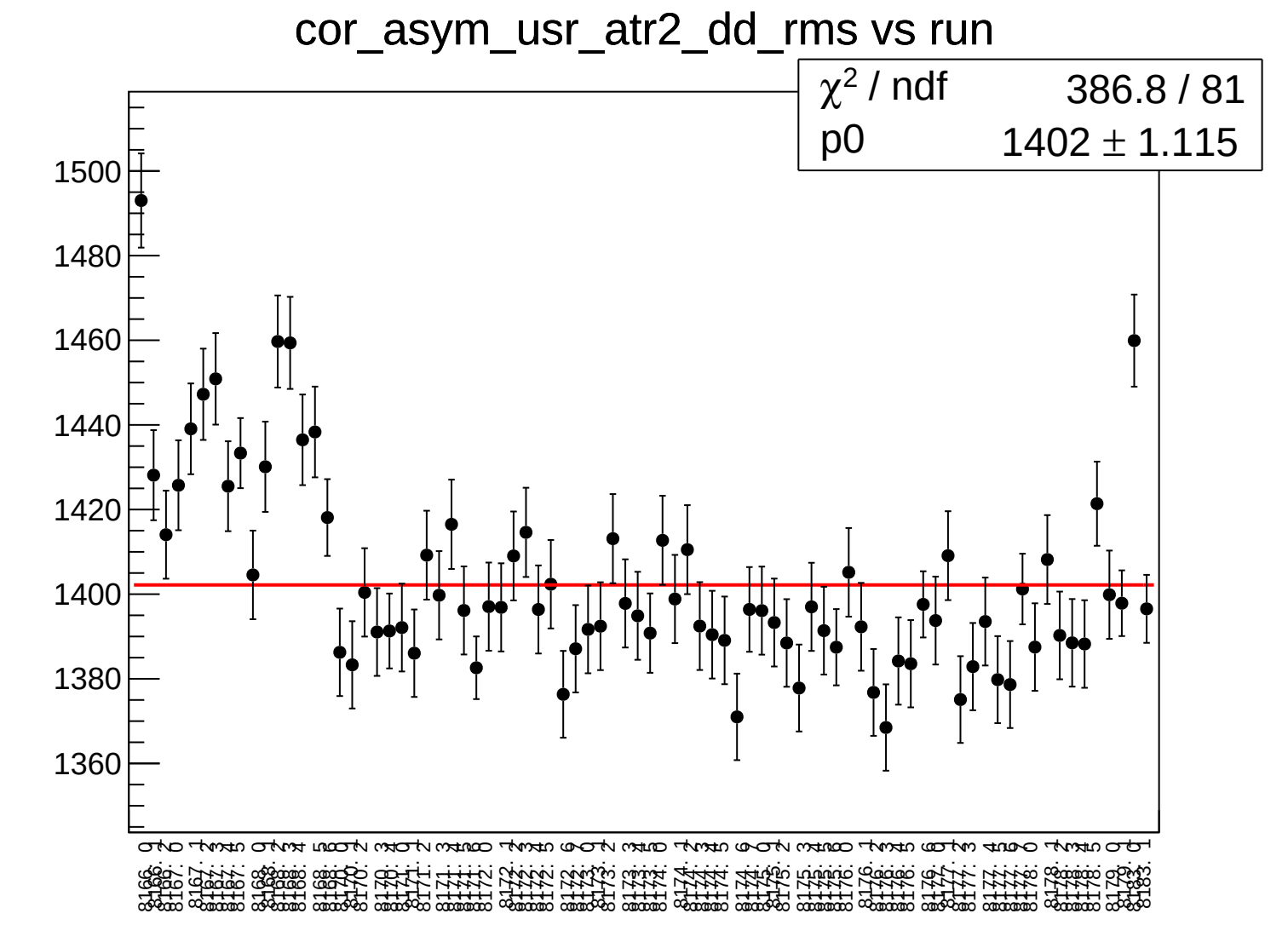

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 97.18 / 81
p0 −749 ± 6099
pull
Entries 82
Mean −3143
Std Dev 0

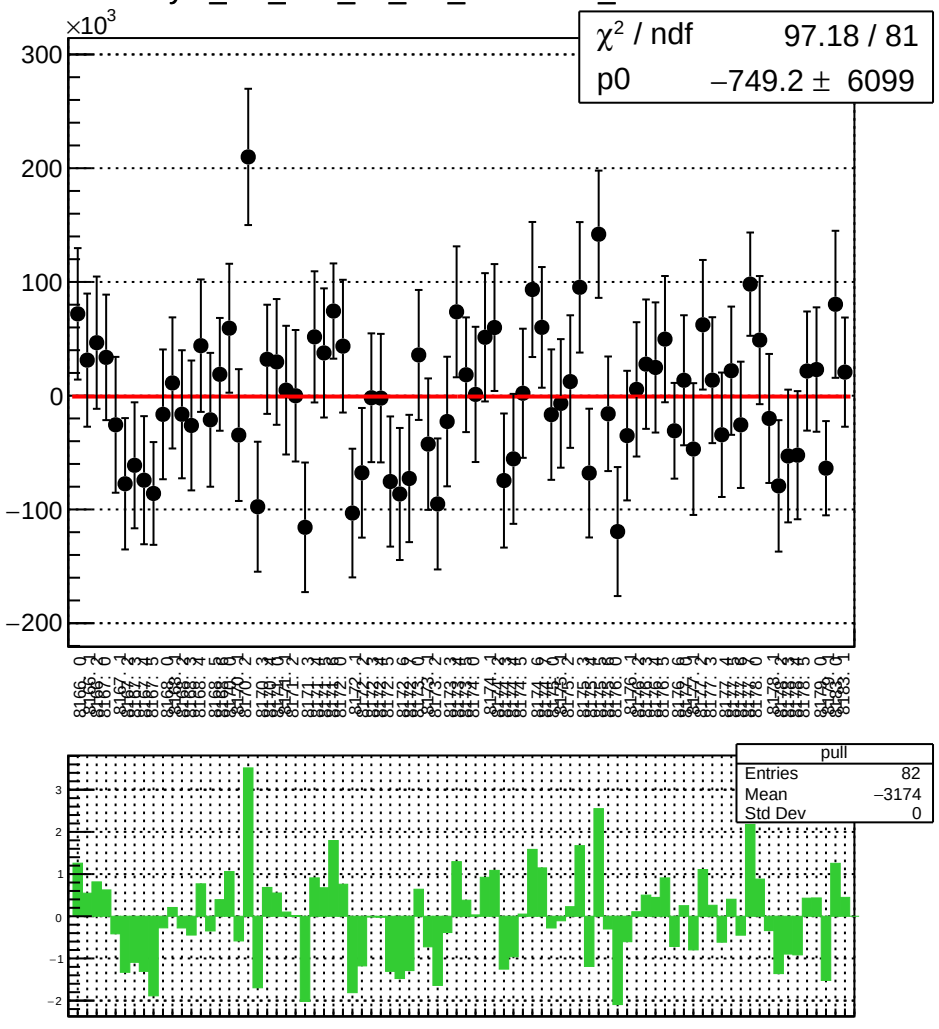

pull1D
Entries 82
Mean −0.0003348
Std Dev 1.089

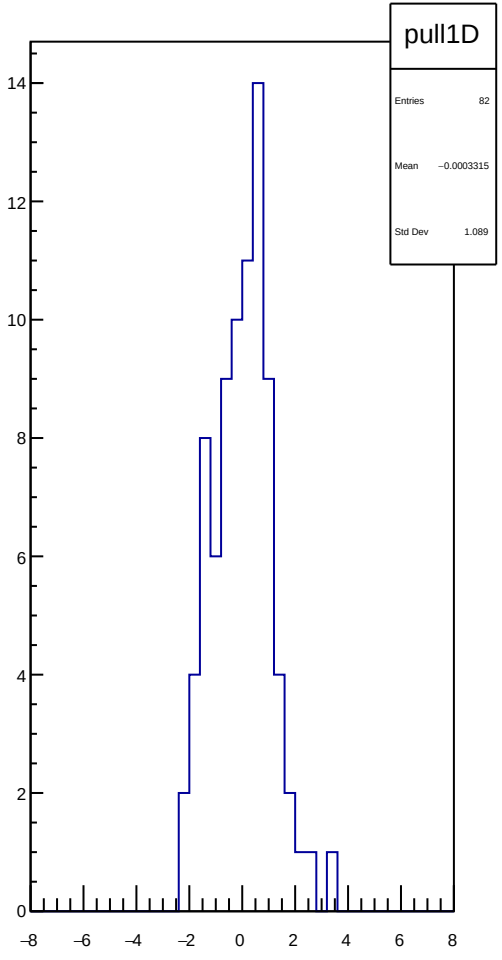

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1074 / 81
p0 5425 ± 4.313
6200
6000
5800
5600
5400
5200

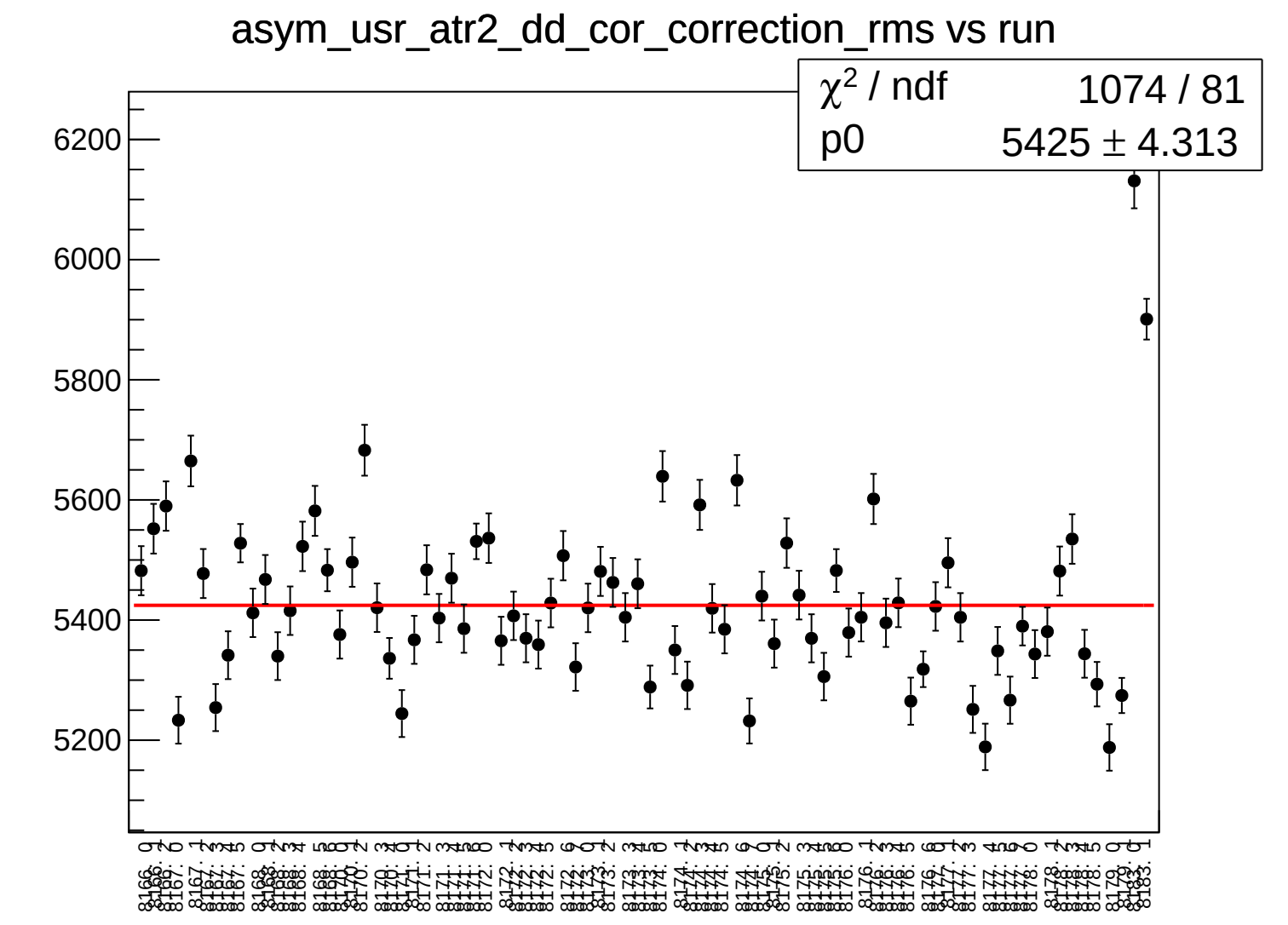

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 66.9 / 81
p0 −93.45 ± 1576
pull
Entries 82
Mean 839.1
Std Dev 0

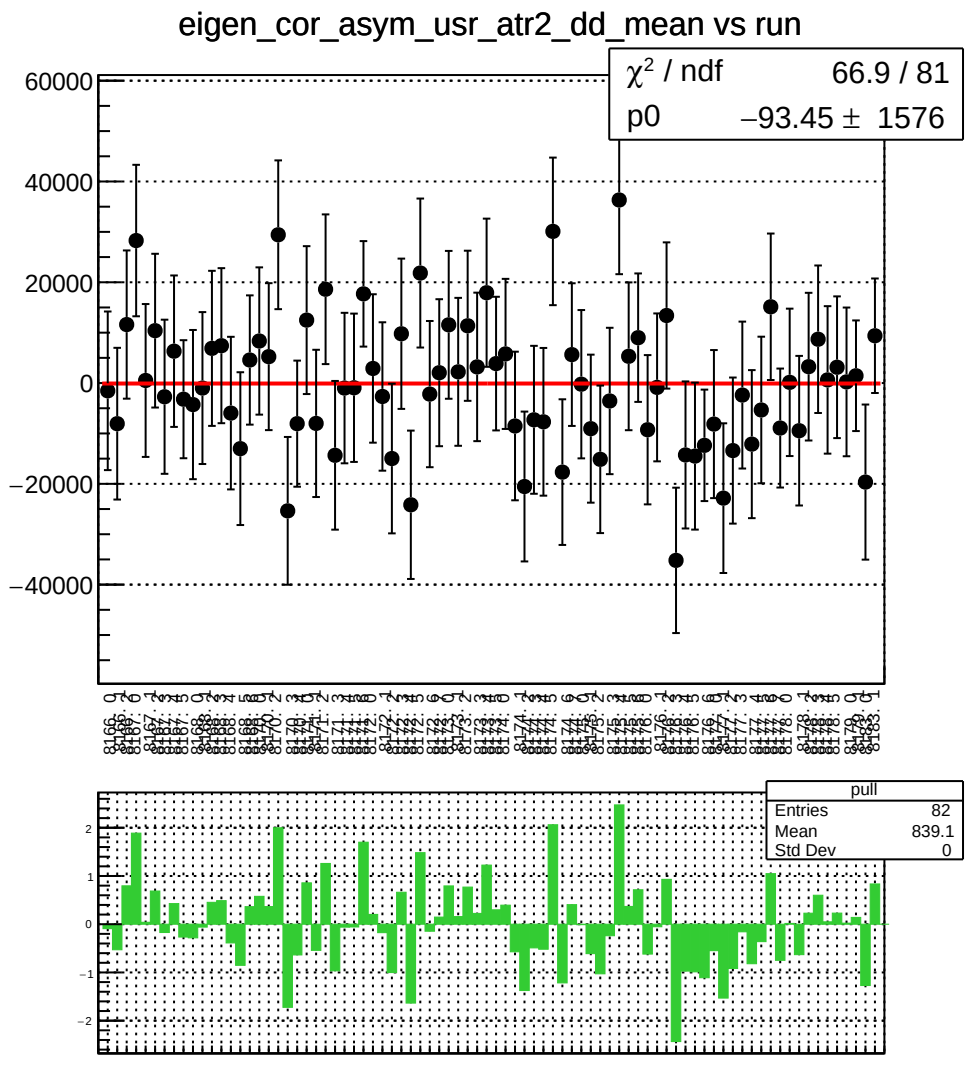

pull1D
Entries 82
Mean −0.004938
Std Dev 0.9032

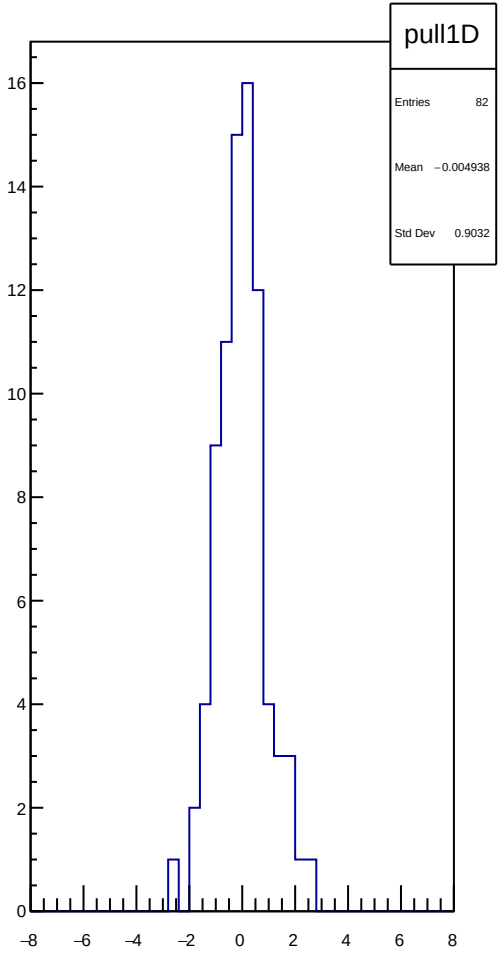

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 386.8 / 81
p0 1402 ± 1.115
1500
1480
1460
1440
1420
1400
1380
1360

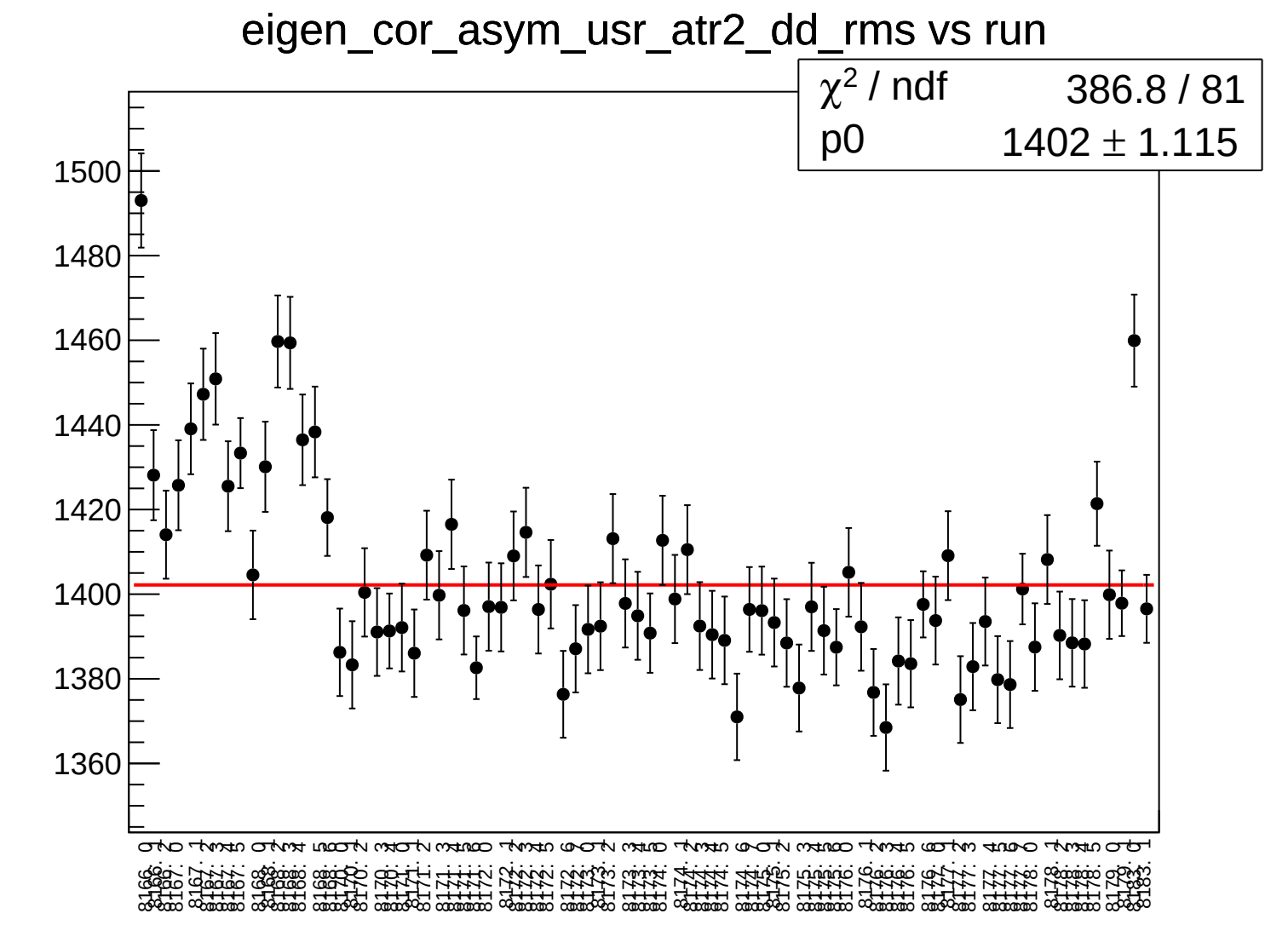

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 97.18 / 81
p0 −749.2 ± 6099
pull
Entries 82
Mean −3174
Std Dev 0

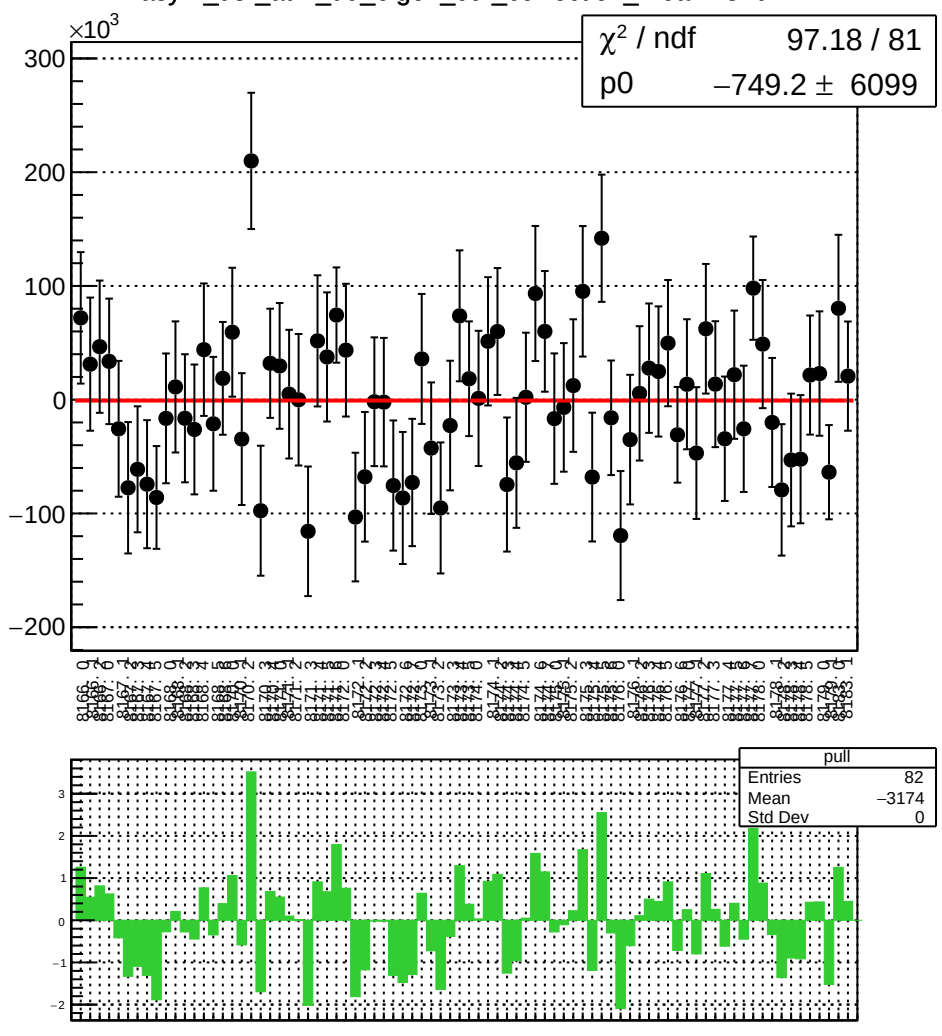

pull1D
Entries 82
Mean −0.0003315
Std Dev 1.089

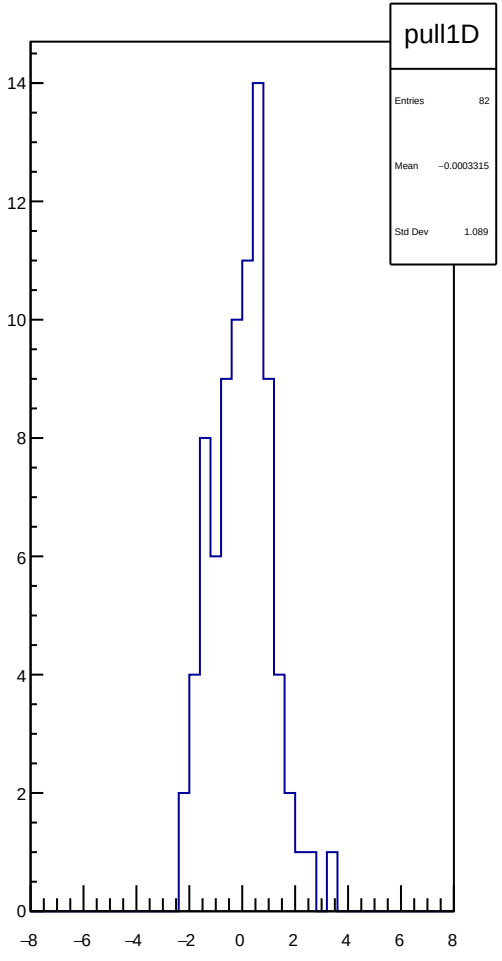

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1074 / 81
p0 5425 ± 4.313
6200
6000
5800
5600
5400
5200

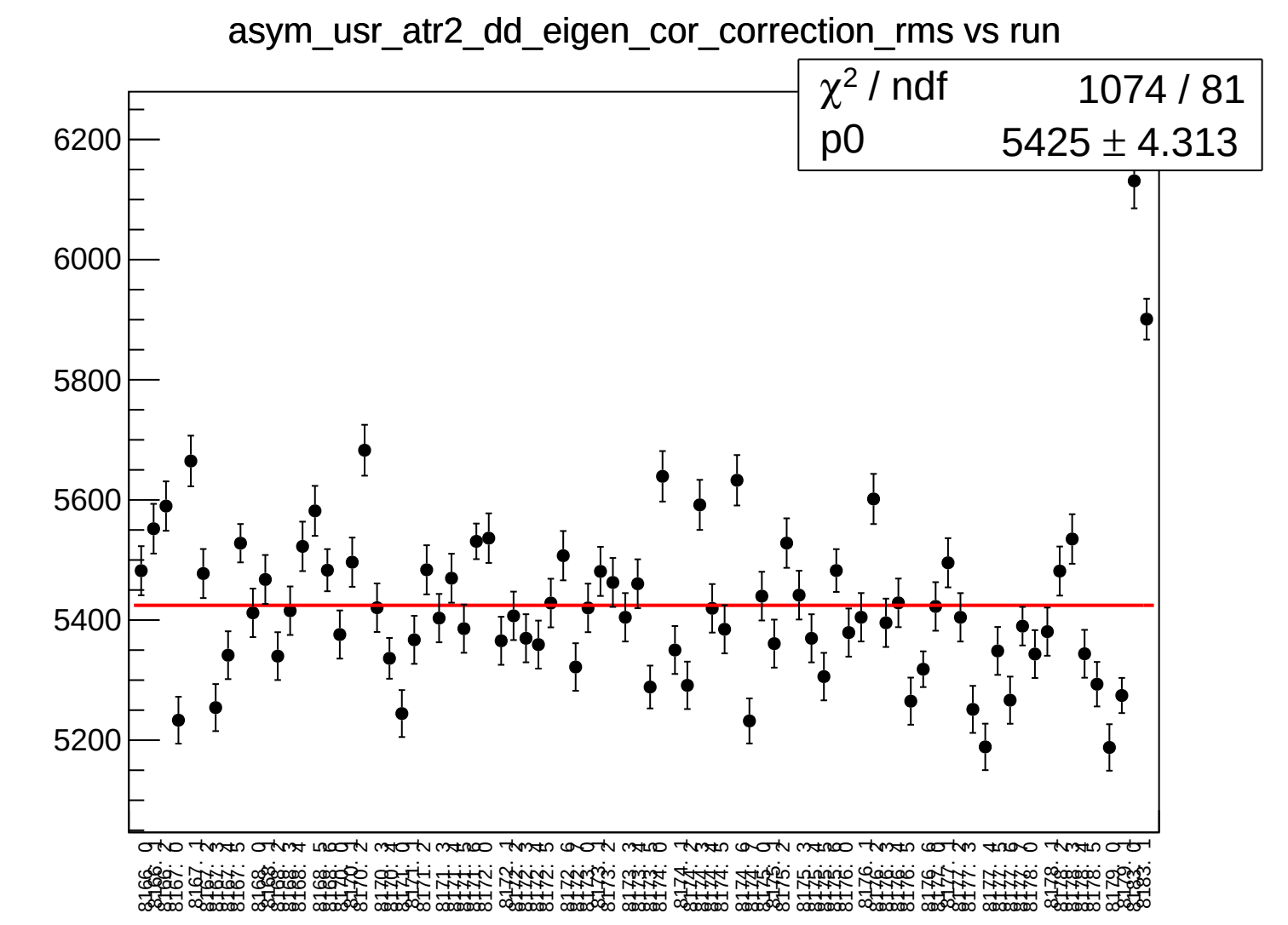

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 66.9 / 81
p0 −93.45 ± 1576
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 839.1
Std Dev 0
2
1
0
−1
−2

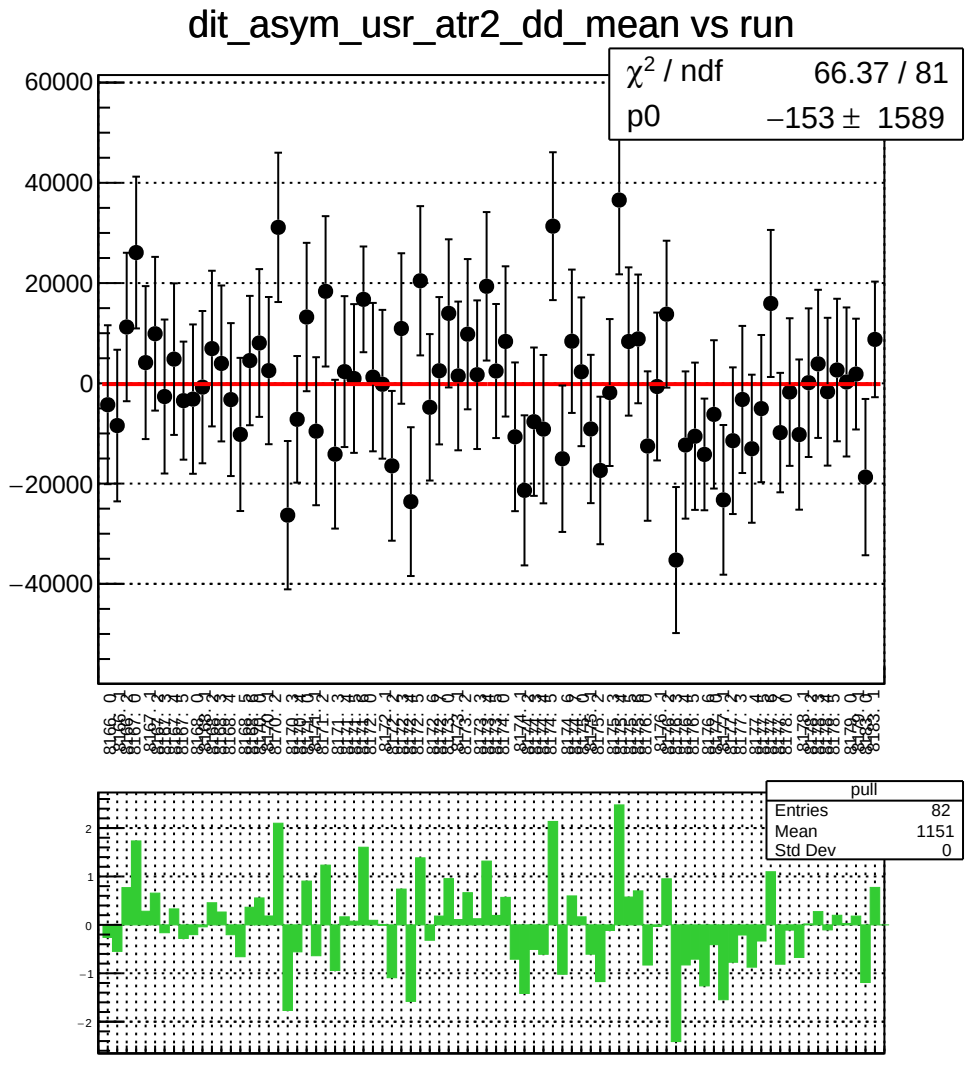

pull1D
Entries 82
Mean −0.004938
Std Dev 0.9032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

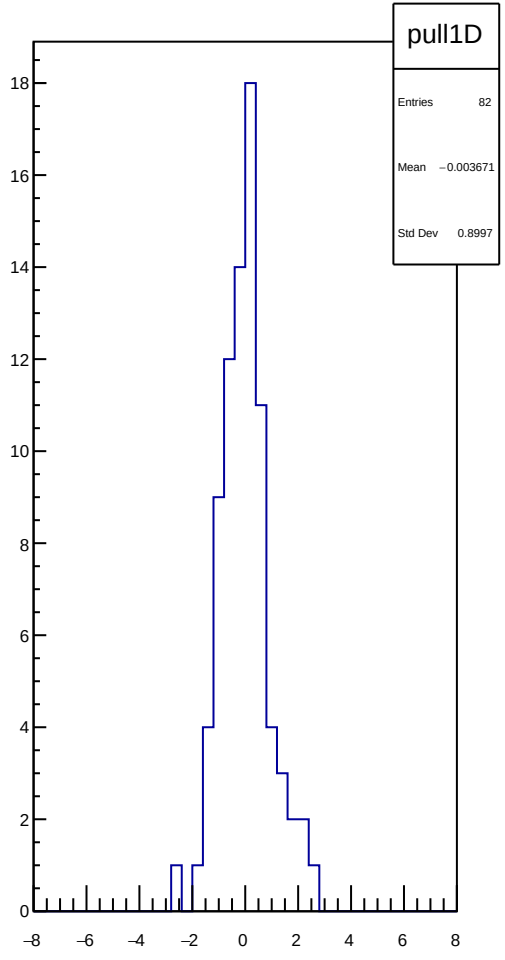

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 386.8 / 81
p0 1402 ± 1.115
1500
1480
1460
1440
1420
1400
1380
1360

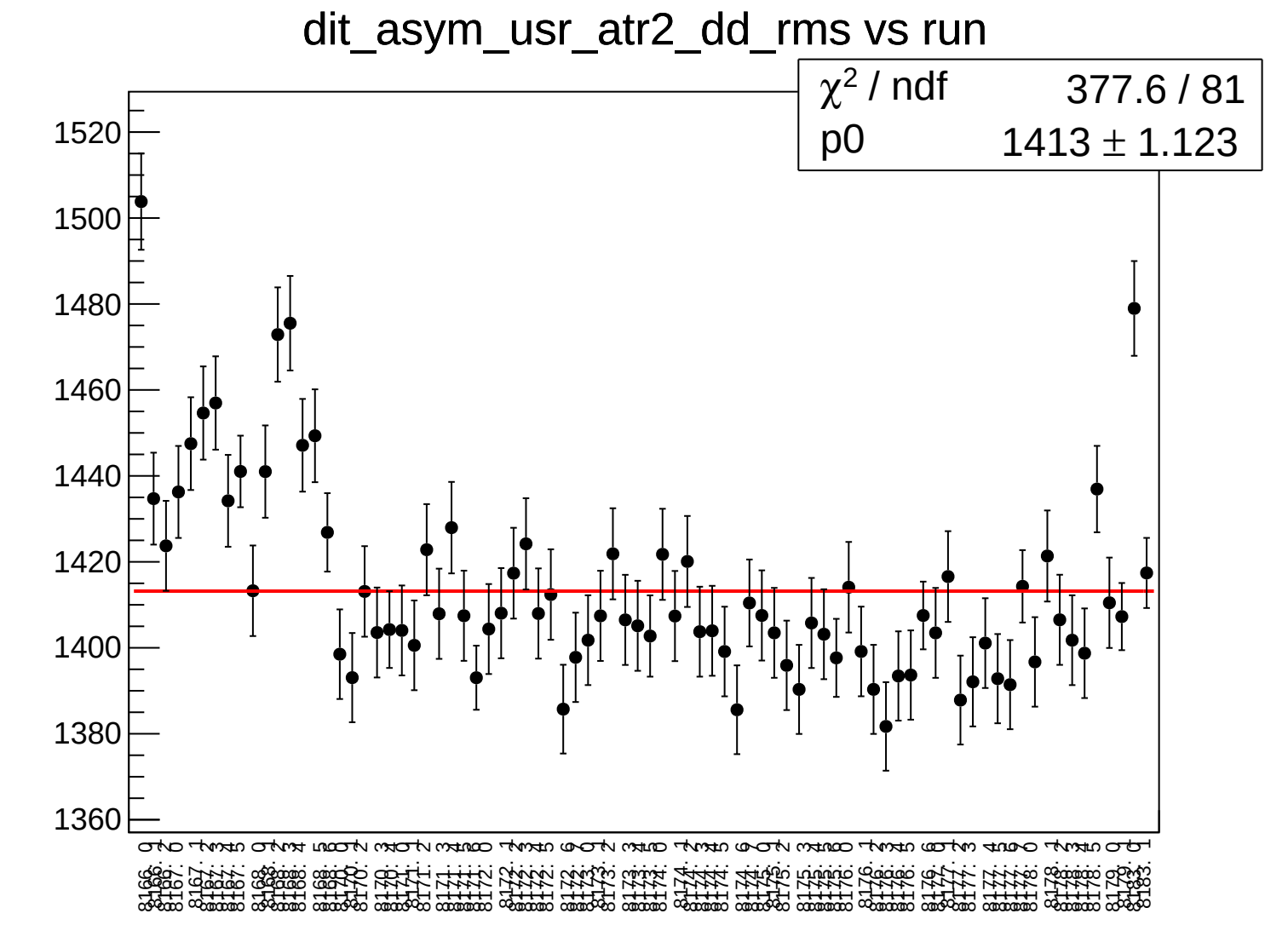

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.18 / 81
p0 −749.2 ± 6099
pull
Entries 82
Mean −3174
Std Dev 0

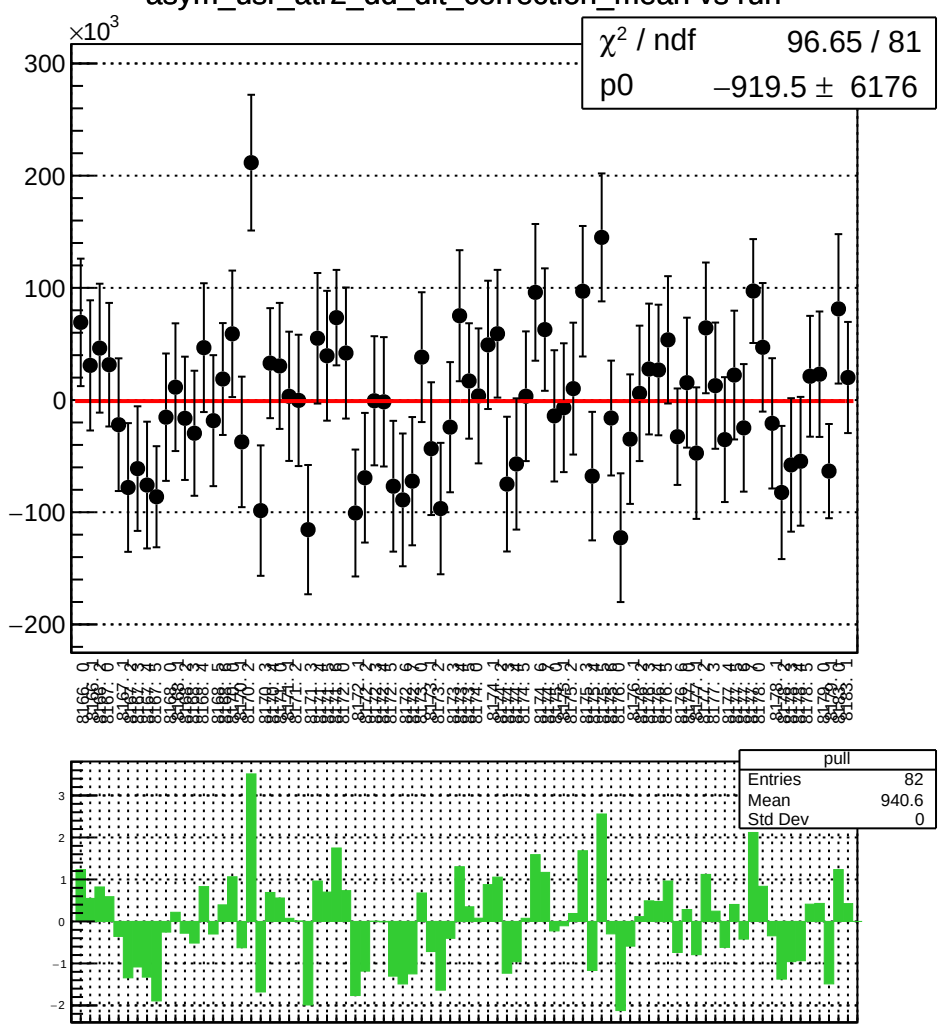

pull1D
Entries 82
Mean −0.0003315
Std Dev 1.089

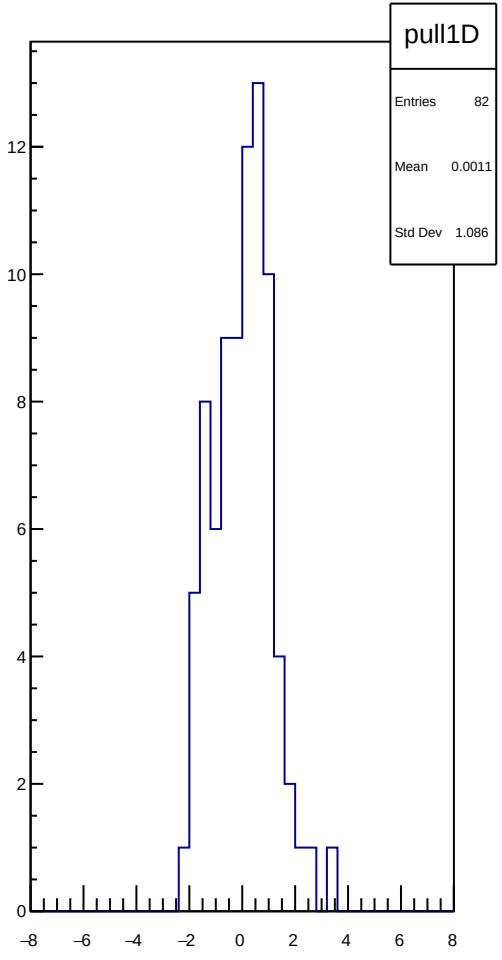

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1074 / 81
p0 5425 ± 4.313
6200
6000
5800
5600
5400
5200

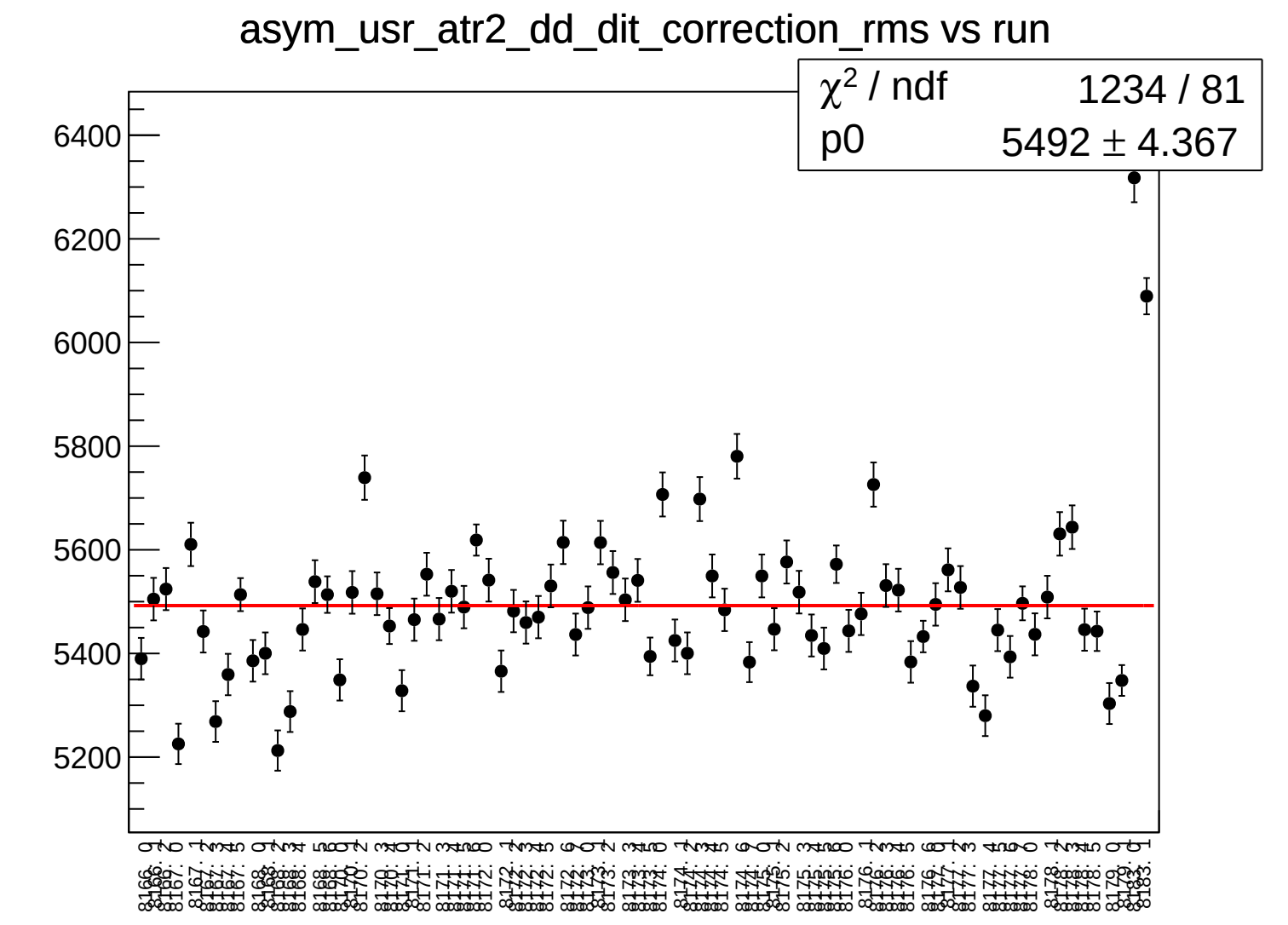

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 66.37 / 81
p0 −153 ± 1589
pull
Entries 82
Mean 1151
Std Dev 0

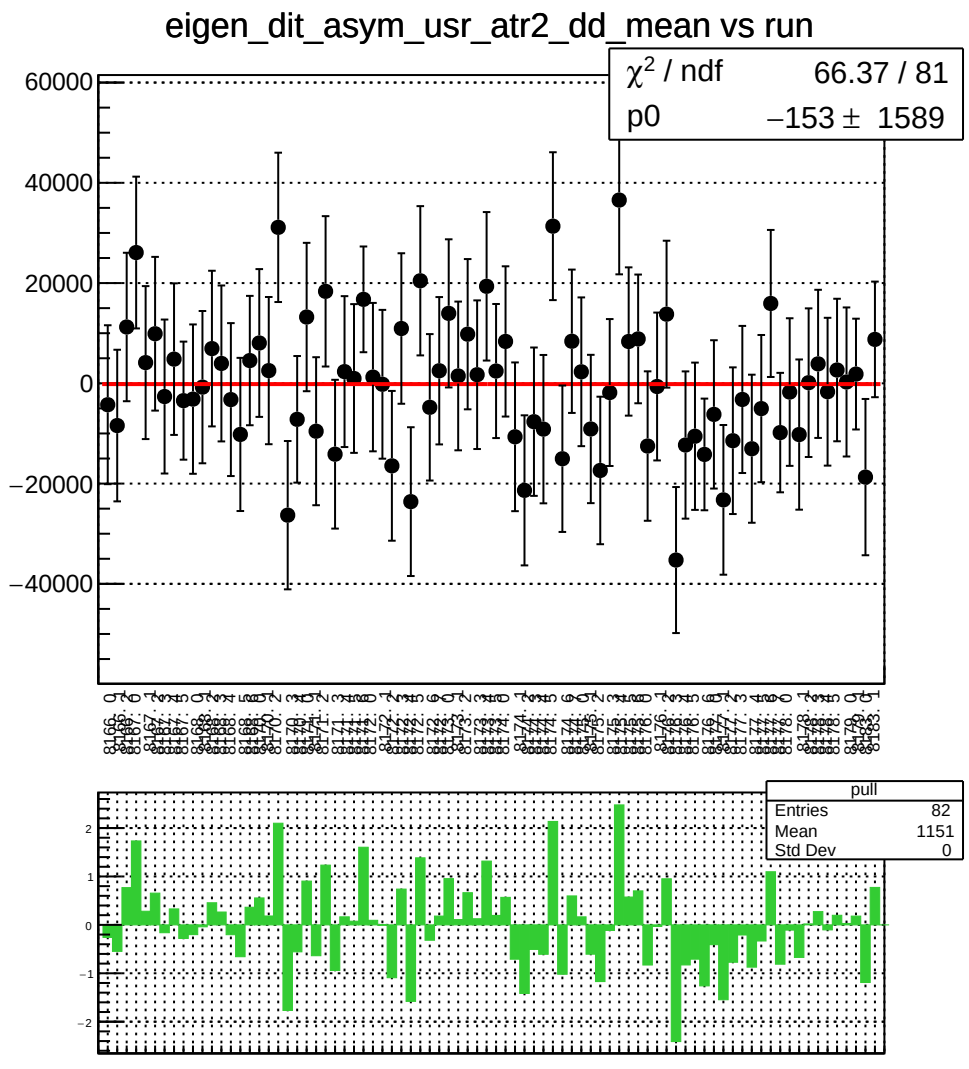

pull1D
Entries 82
Mean −0.003671
Std Dev 0.8997

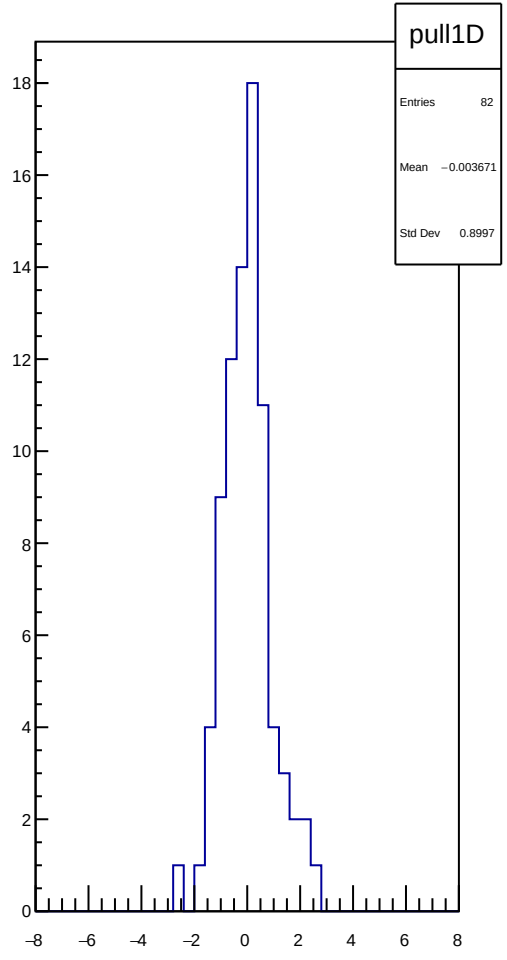

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 377.6 / 81
p0 1413 ± 1.123
1520
1500
1480
1460
1440
1420
1400
1380
1360

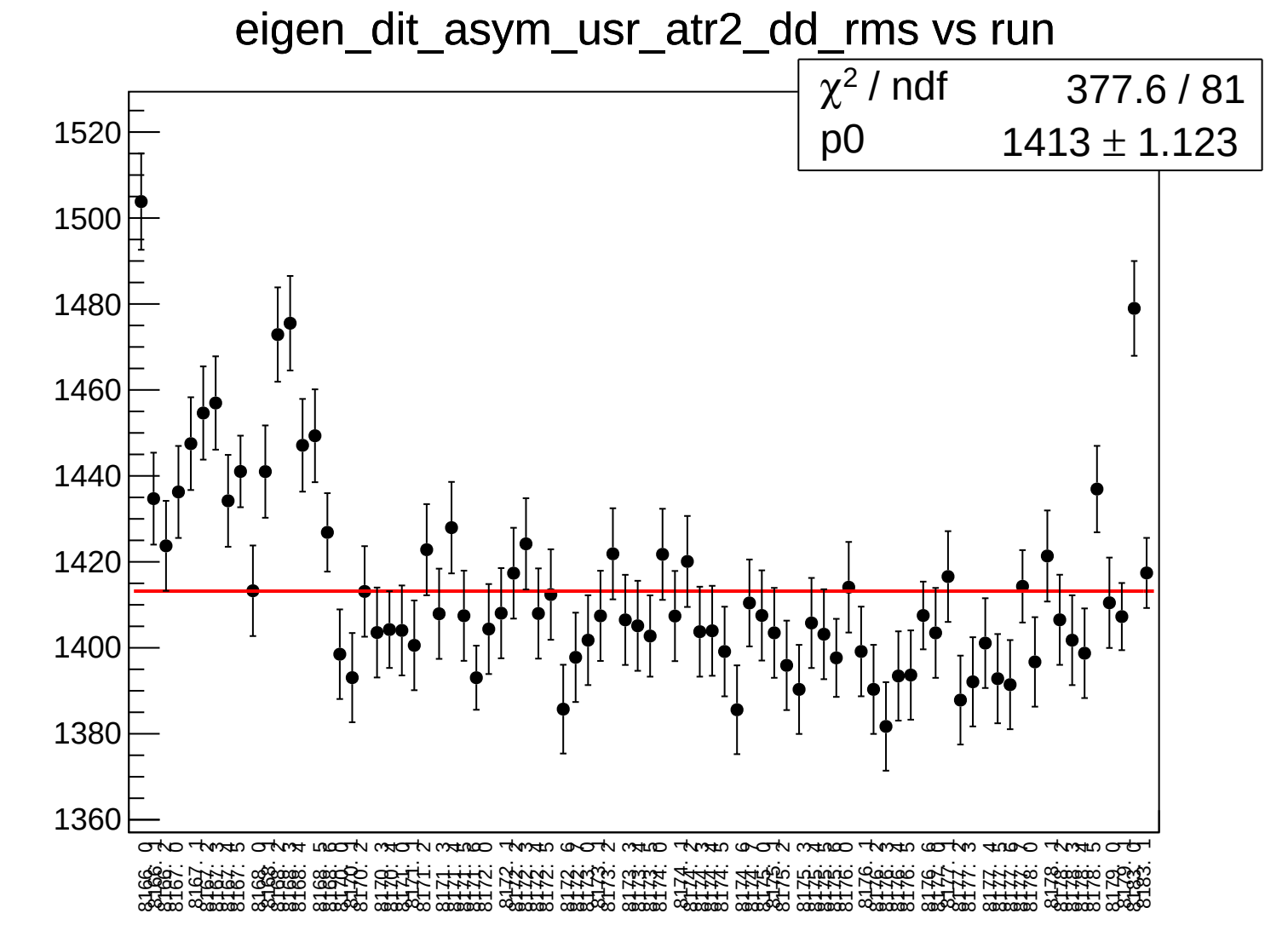

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 96.65 / 81
p0 −919.5 ± 6176
300
200
100
0
−100
−200
pull
Entries 82
Mean 940.6
Std Dev 0
3
2
1
0
−1
−2

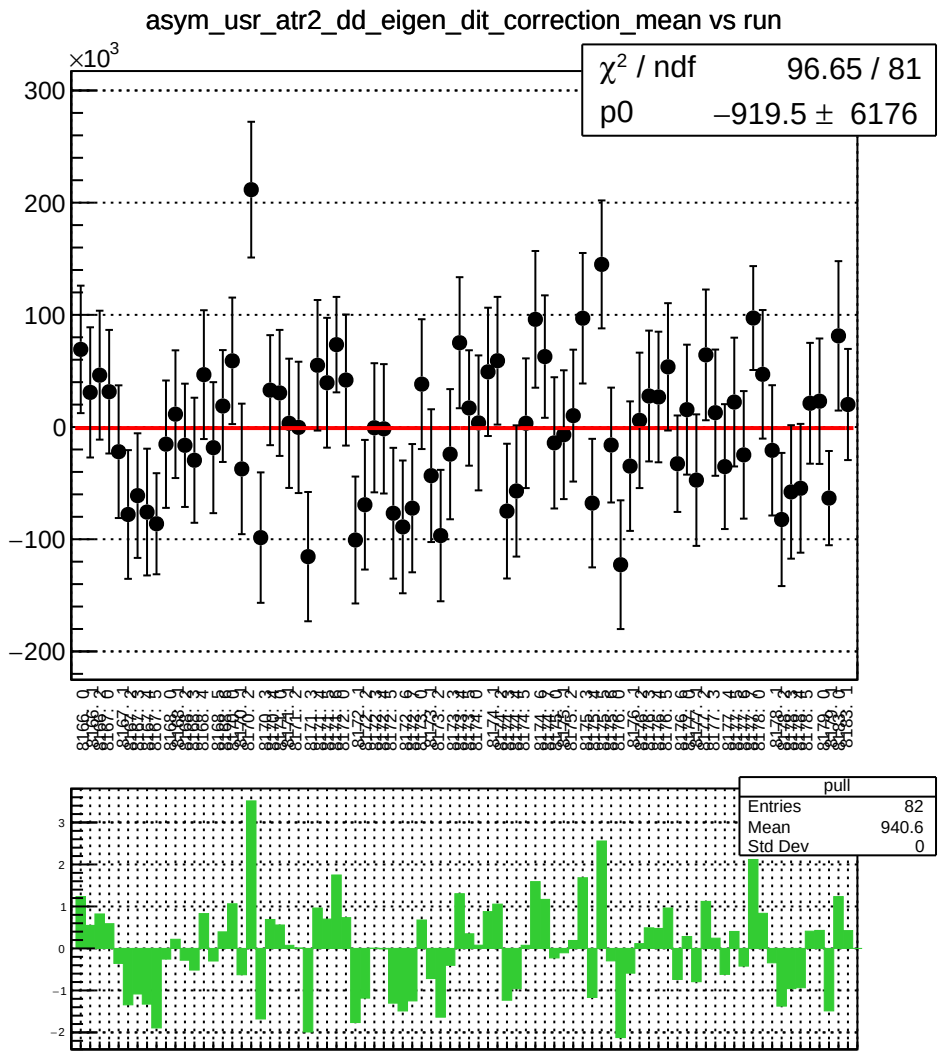

pull1D
Entries 82
Mean 0.0011
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

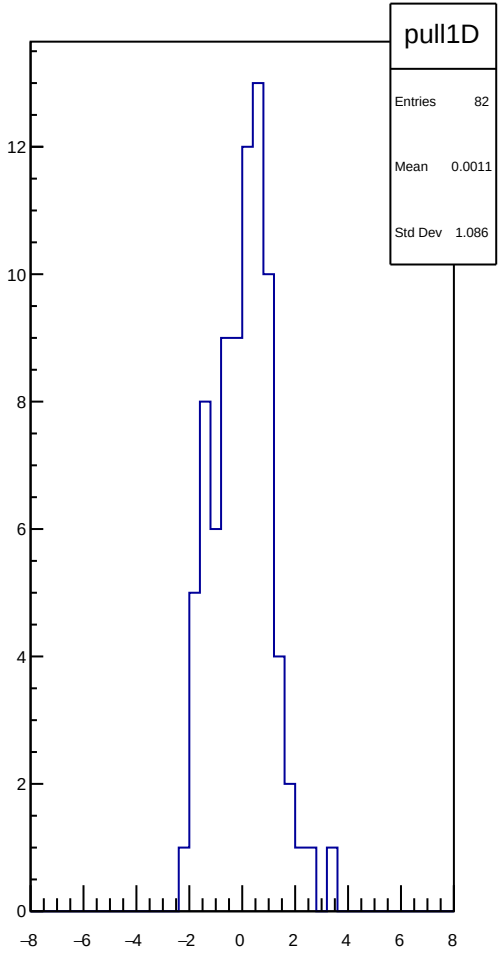

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 1234 / 81
p0 5492 ± 4.367
6400
6200
6000
5800
5600
5400
5200

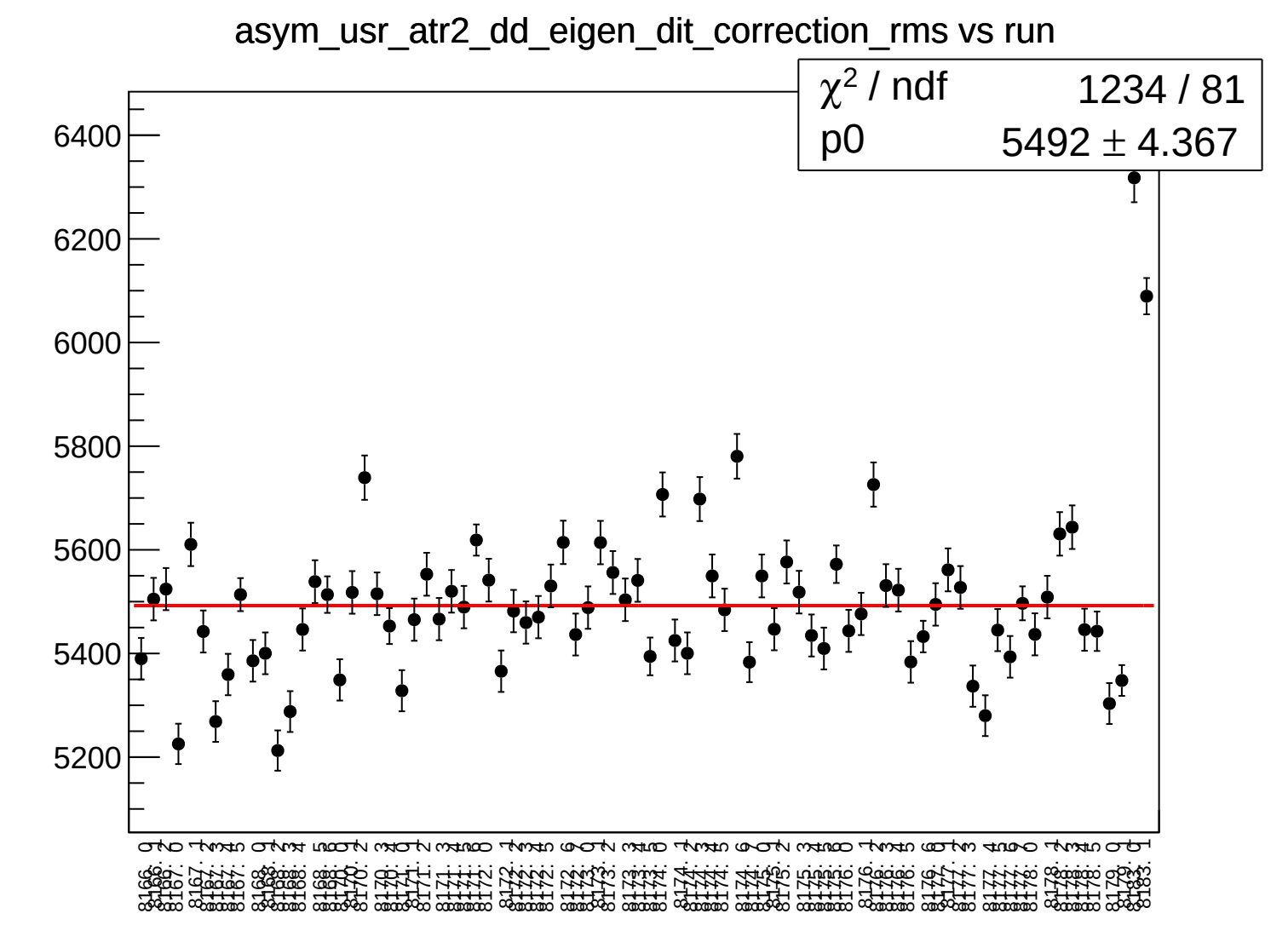

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 66.37 / 81
p0 −153 ± 1589
pull
Entries 82
Mean 1151
Std Dev 0

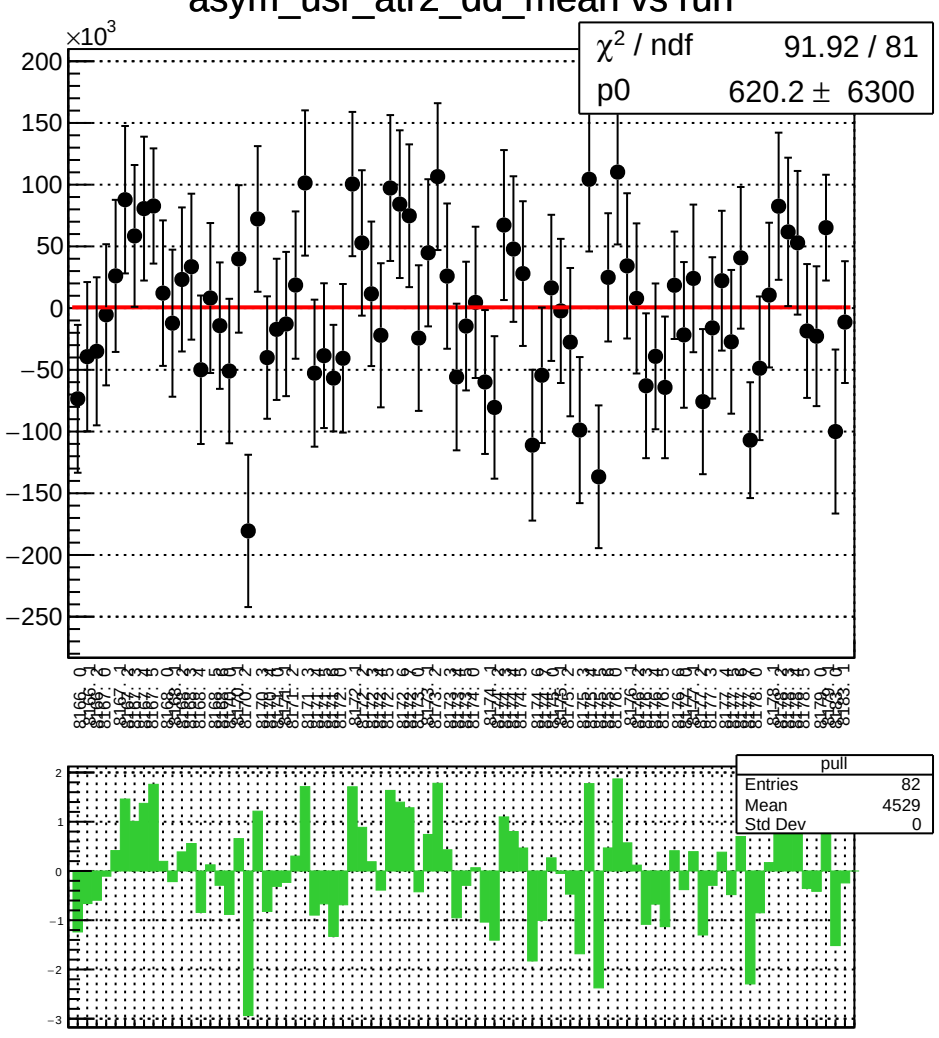

pull1D
Entries 82
Mean −0.003671
Std Dev 0.8997

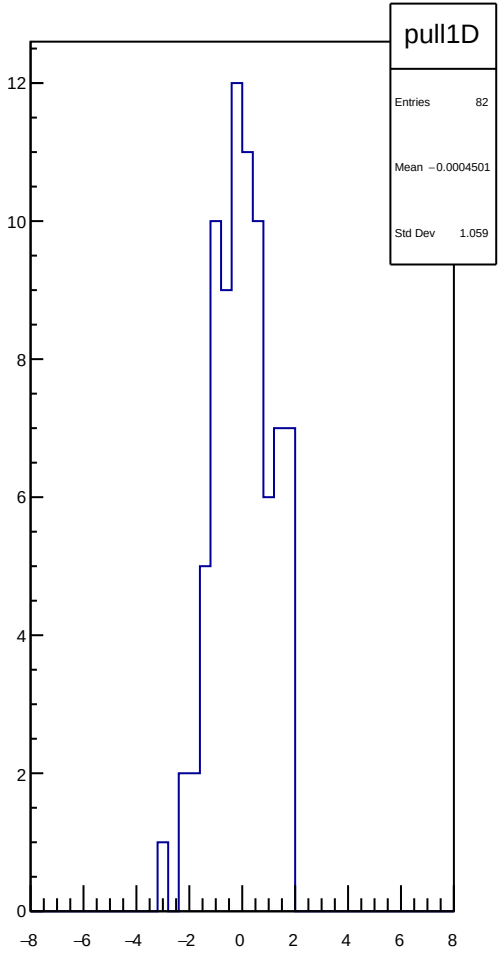

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 377.6 / 81
p0 1413 ± 1.123
1520
1500
1480
1460
1440
1420
1400
1380
1360

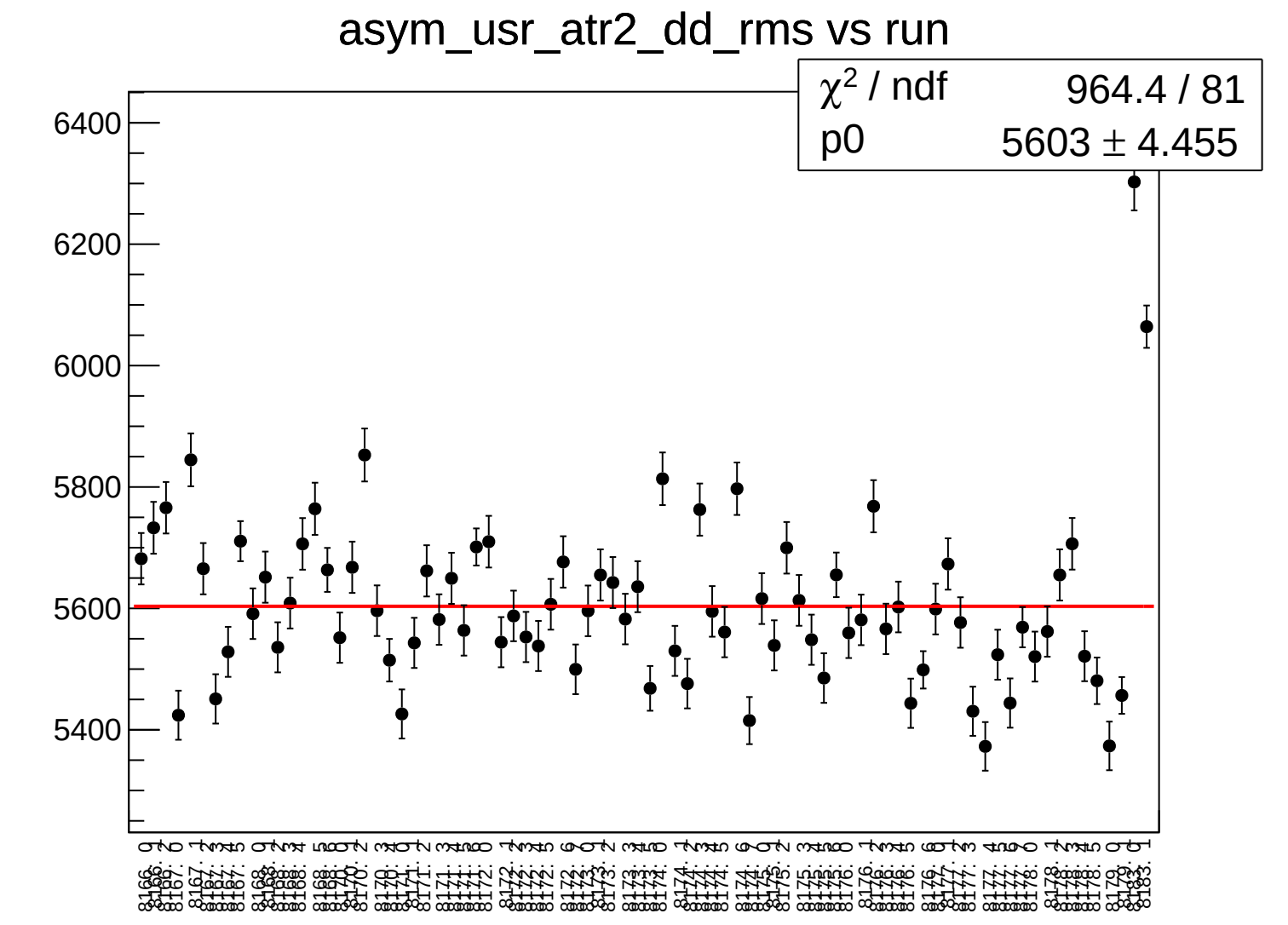

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.65 / 81
p0 −919.5 ± 6176
300
200
100
0
−100
−200
pull
Entries 82
Mean 940.6
Std Dev 0
3
2
1
0
−1
−2

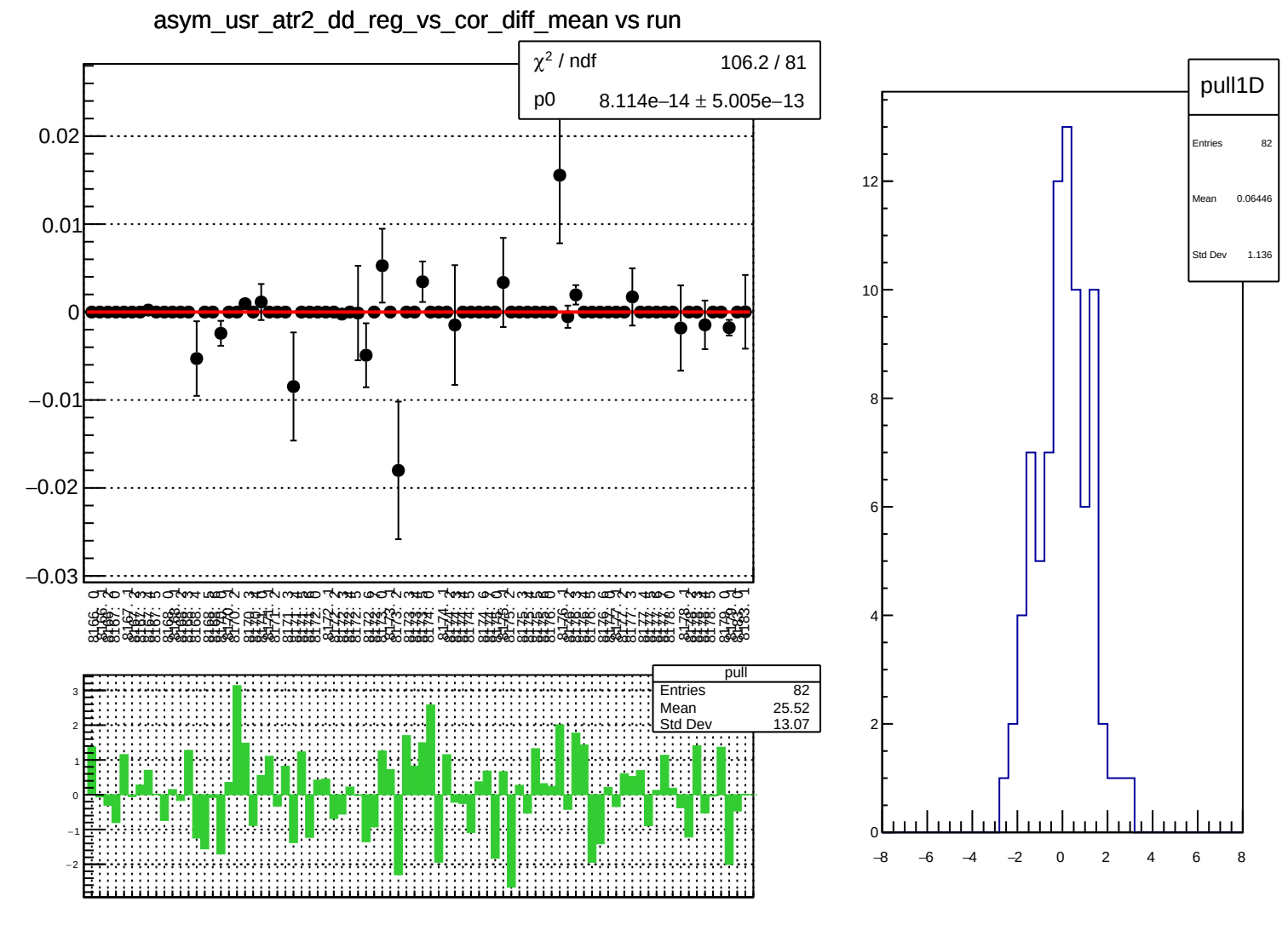

pull1D
Entries 82
Mean 0.0011
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

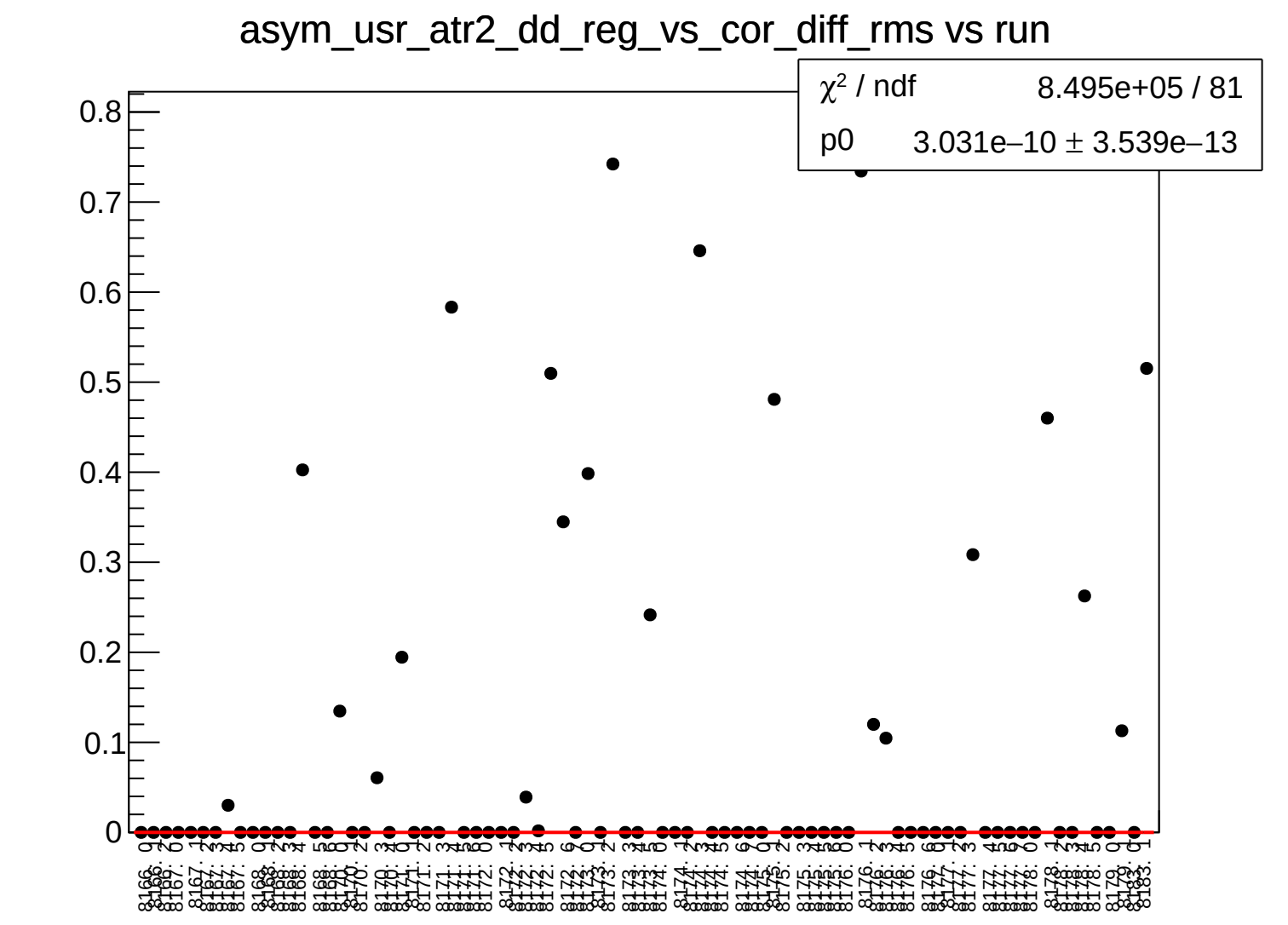

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1234 / 81
p0 5492 ± 4.367
6400
6200
6000
5800
5600
5400
5200

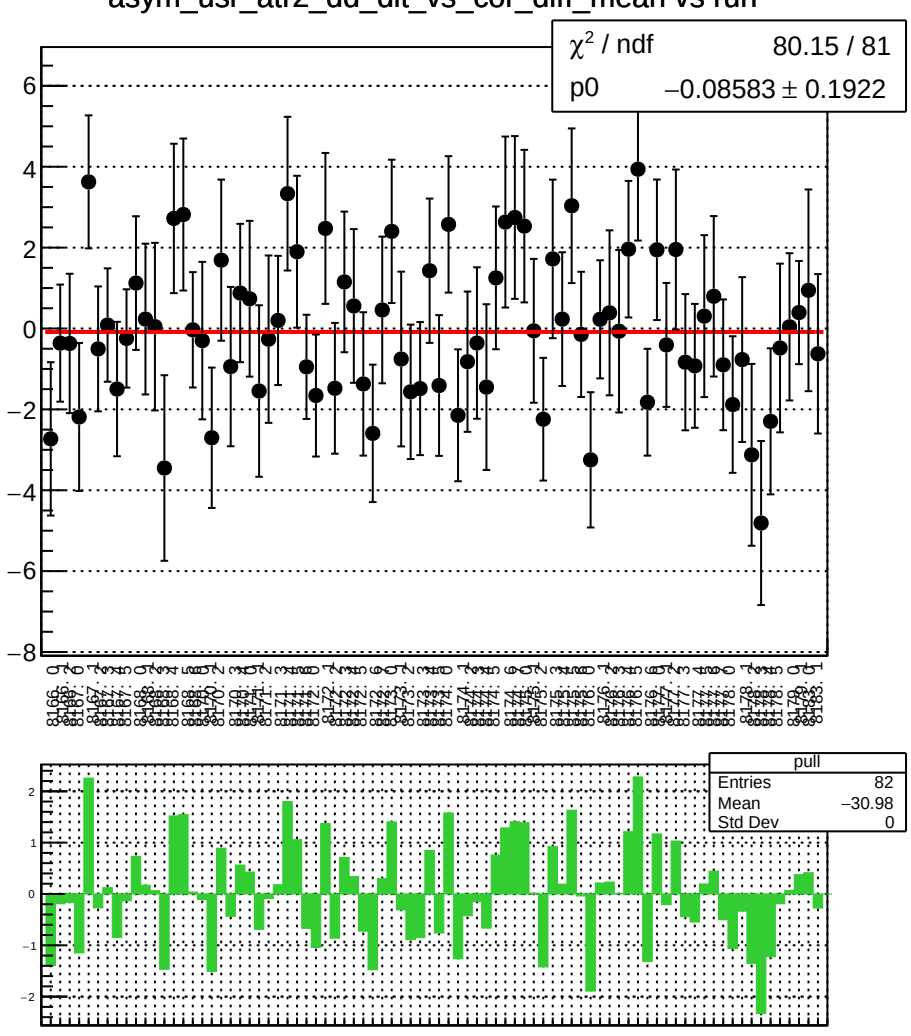

asym_usr_atr2_dd_mean vs run
×10^3
χ^2 / ndf 91.92 / 81
p0 620.2 ± 6300
pull
Entries 82
Mean 4529
Std Dev 0

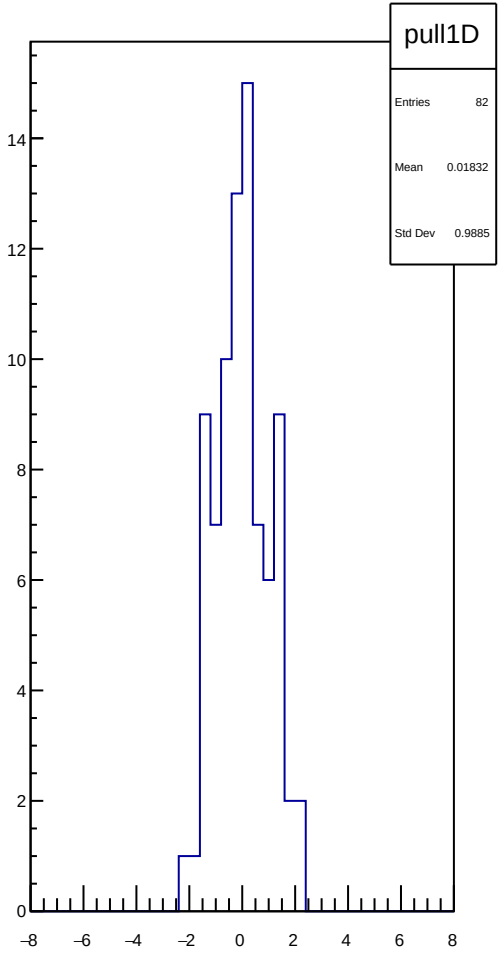

pull1D
Entries 82
Mean −0.0004501
Std Dev 1.059

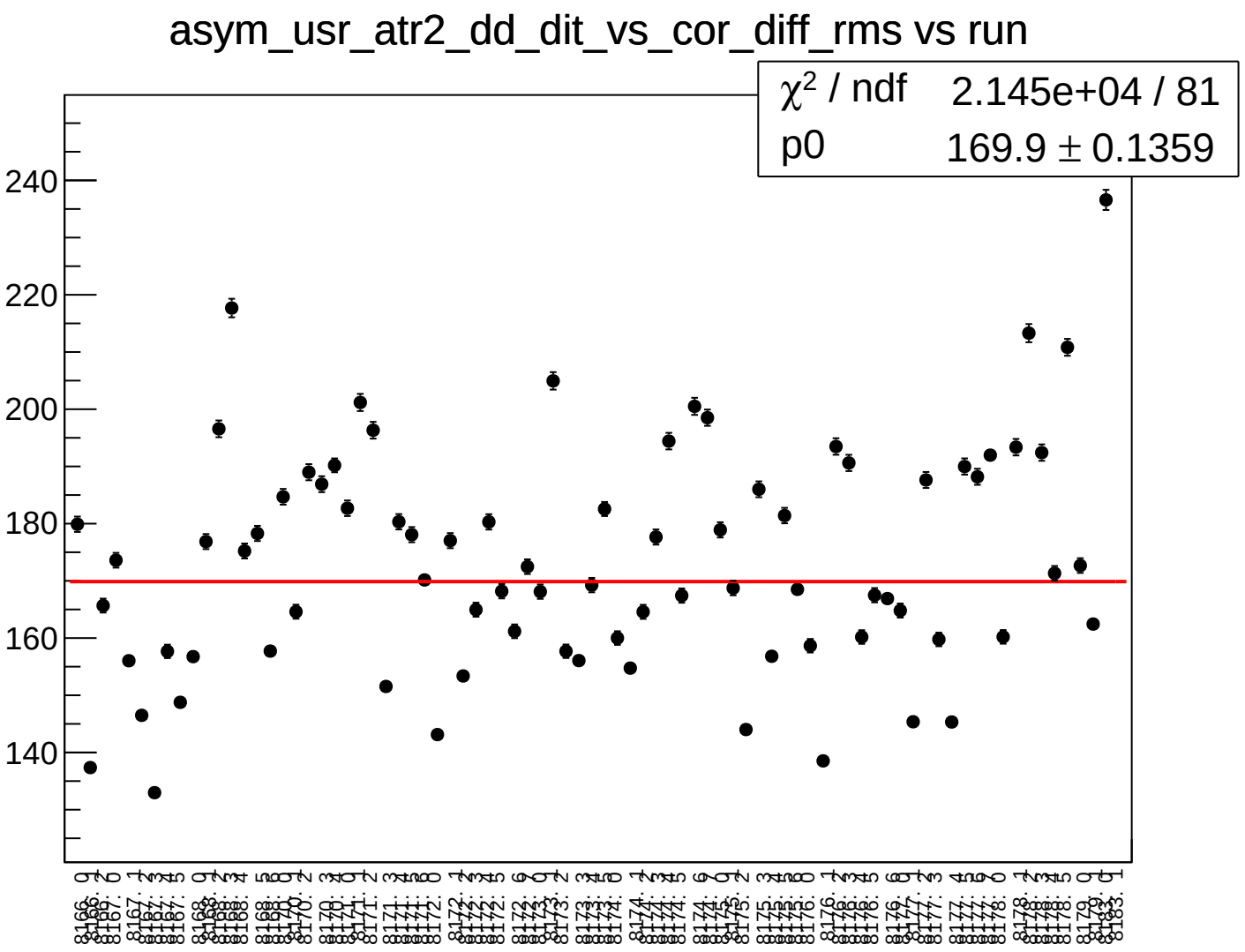

asym_usr_atr2_dd_rms vs run
χ² / ndf 964.4 / 81
p0 5603 ± 4.455
6400
6200
6000
5800
5600
5400

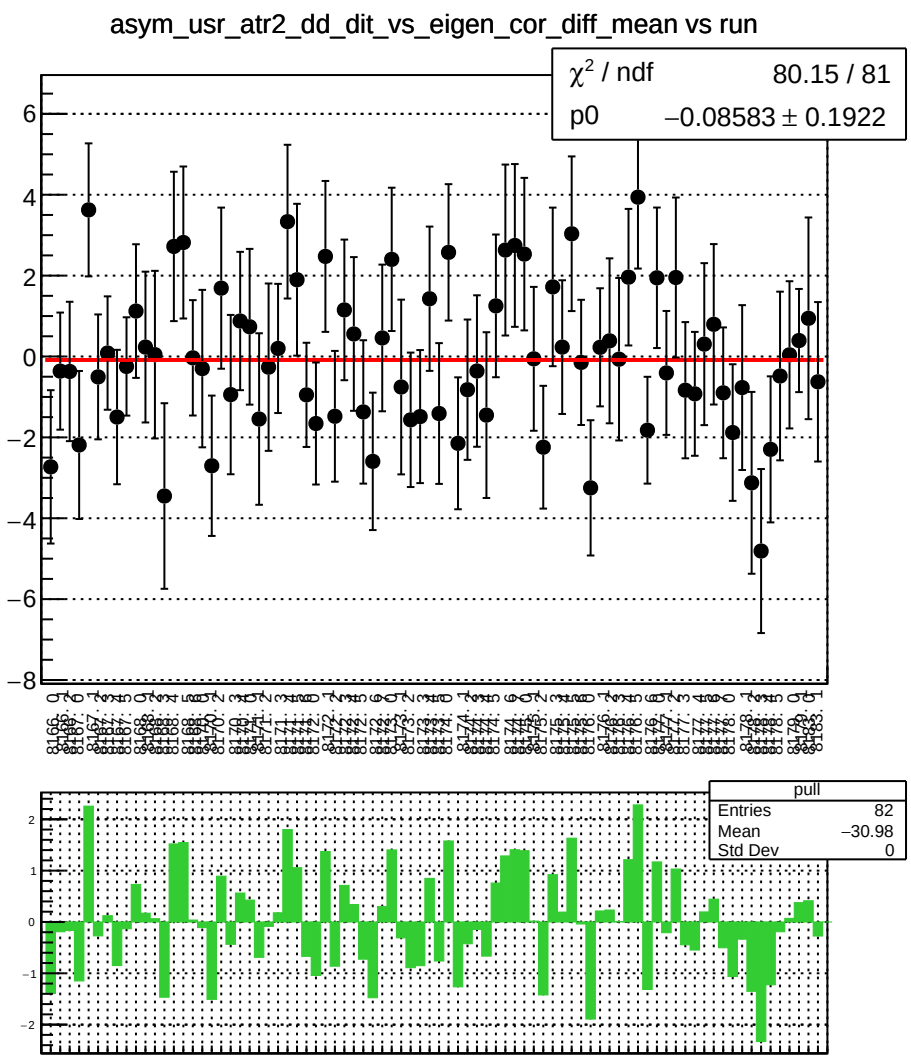

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 106.2 / 81
p0 8.114e−14 ± 5.005e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean 25.52
Std Dev 13.07
pull1D
Entries 82
Mean 0.06446
Std Dev 1.136
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

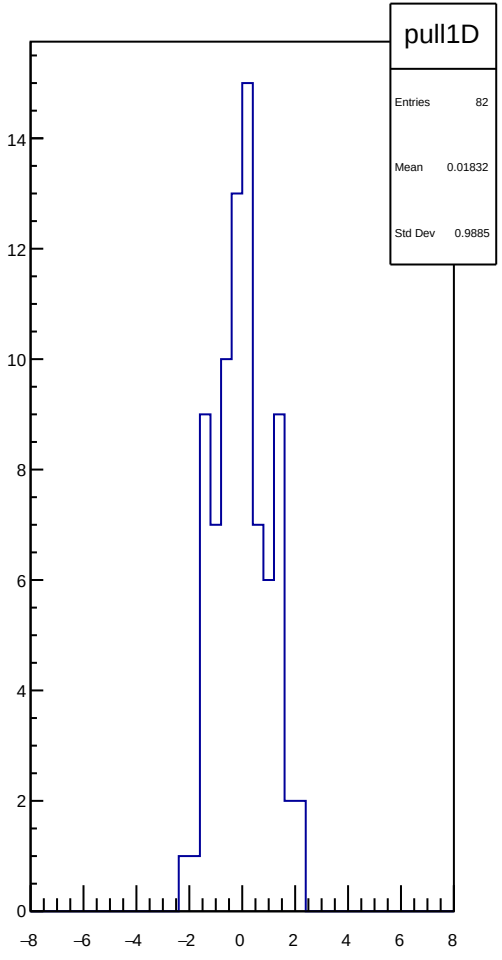

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.495e+05 / 81
p0 3.031e−10 ± 3.539e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

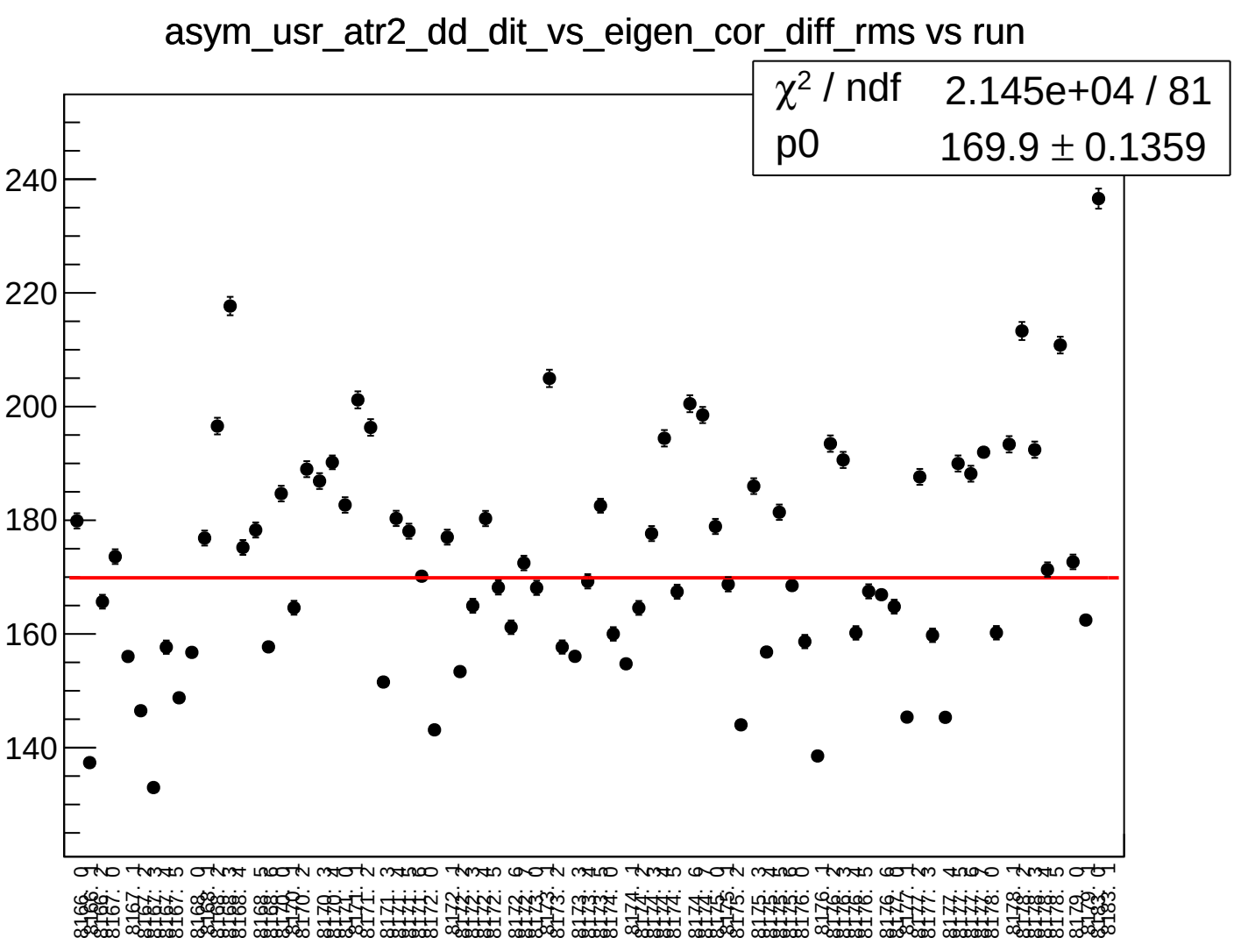

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.08583 ± 0.1922
pull
Entries 82
Mean −30.98
Std Dev 0

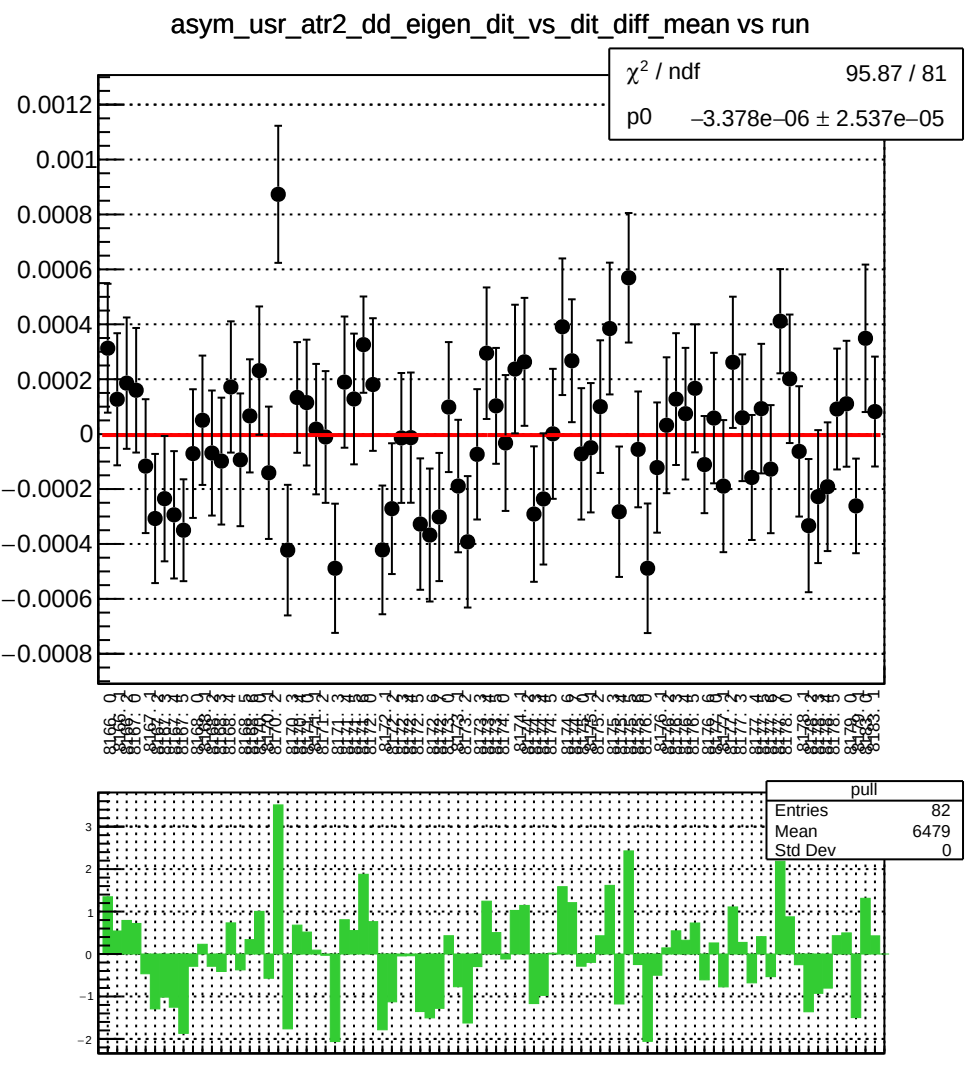

pull1D
Entries 82
Mean 0.01832
Std Dev 0.9885

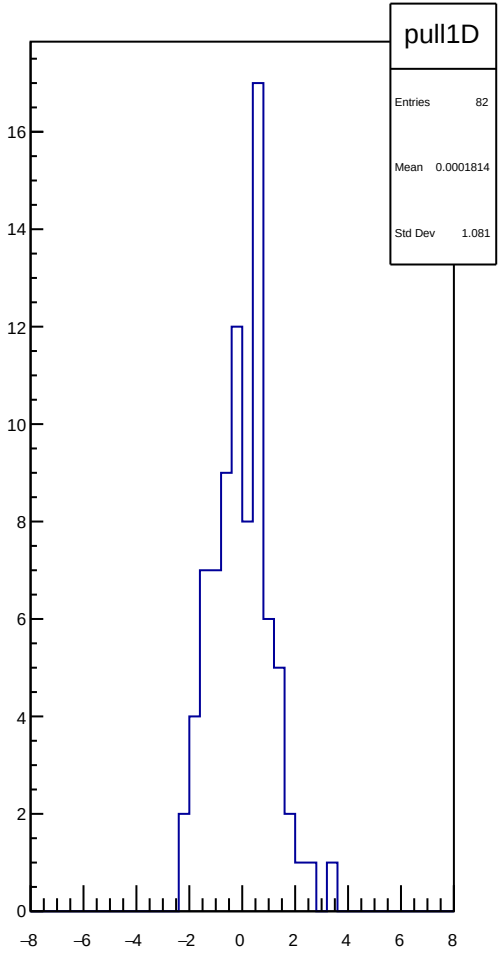

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.145e+04 / 81
p0 169.9 ± 0.1359
240
220
200
180
160
140

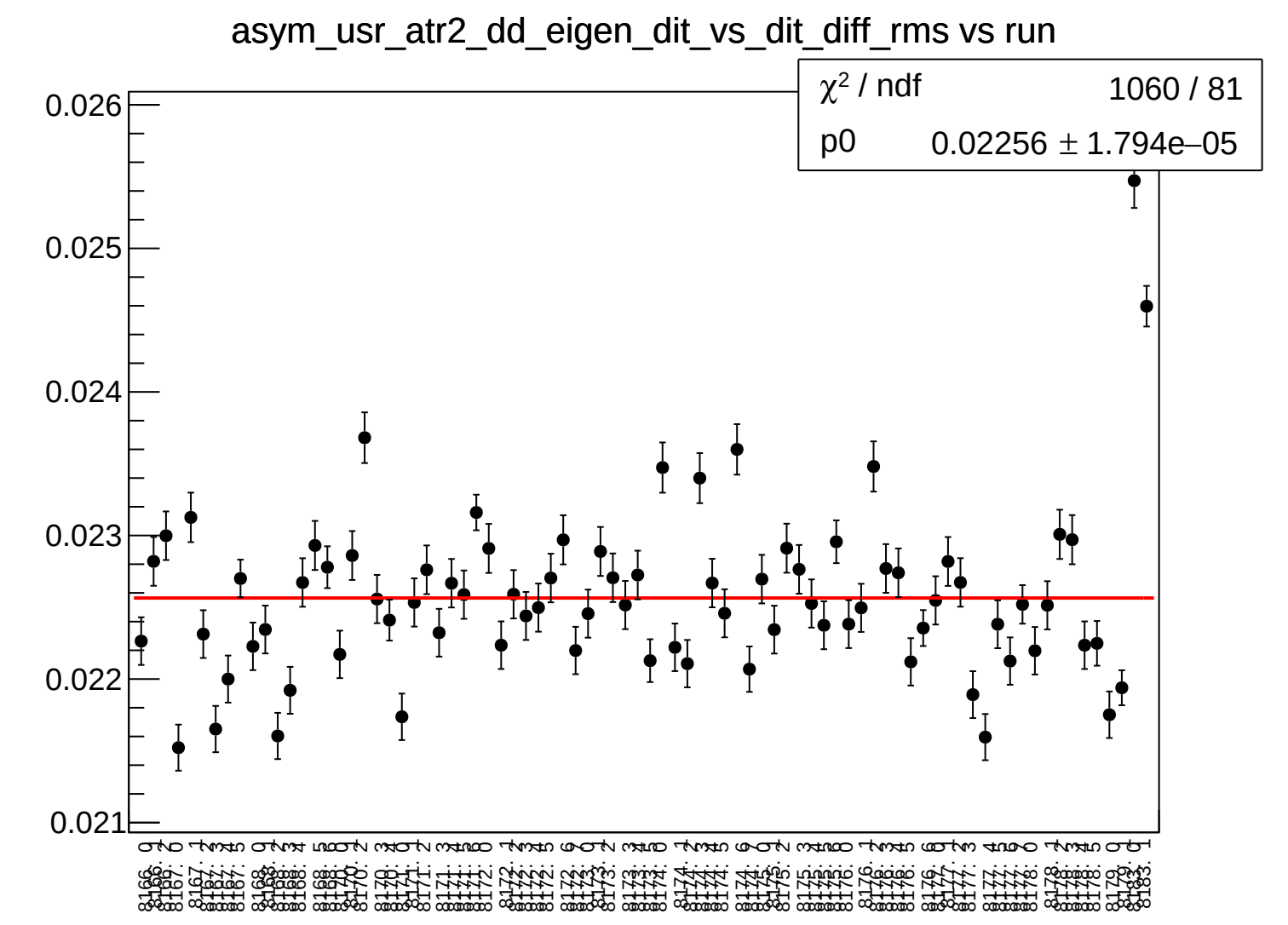

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.08583 ± 0.1922
pull
Entries 82
Mean −30.98
Std Dev 0

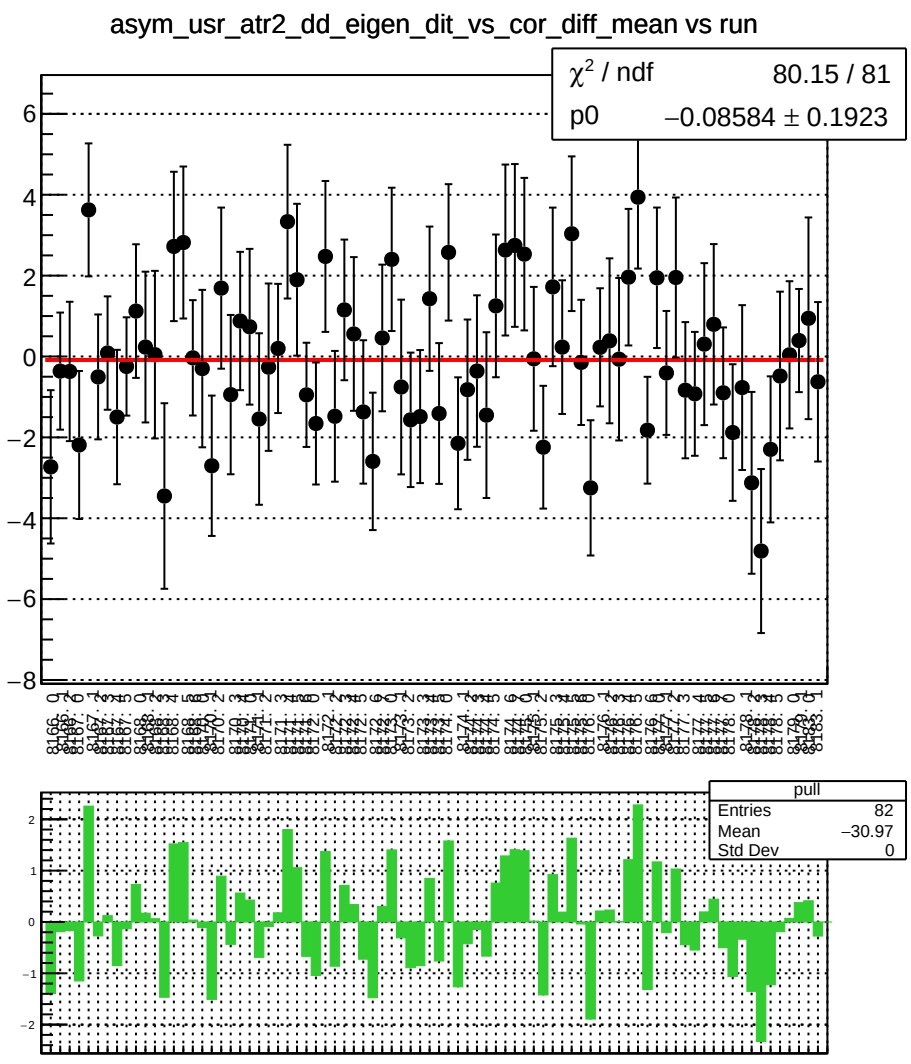

pull1D
Entries 82
Mean 0.01832
Std Dev 0.9885

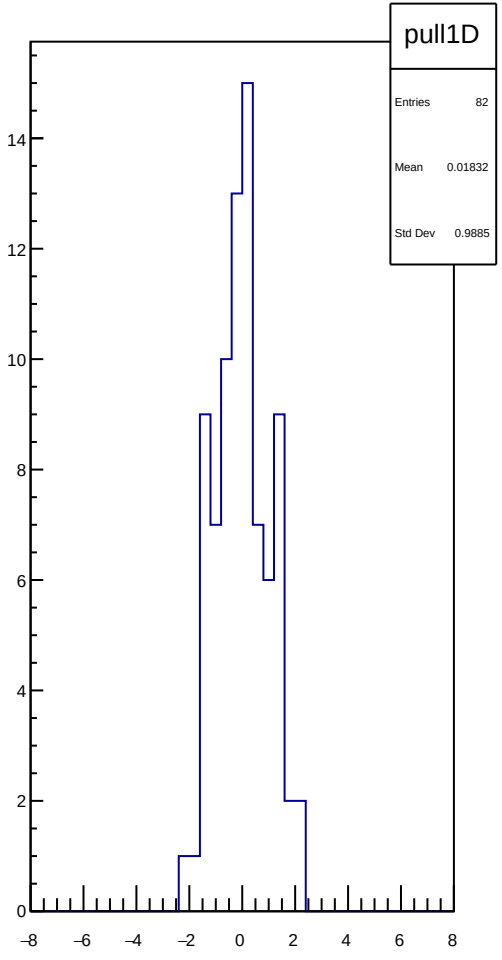

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.145e+04 / 81
p0 169.9 ± 0.1359
240
220
200
180
160
140

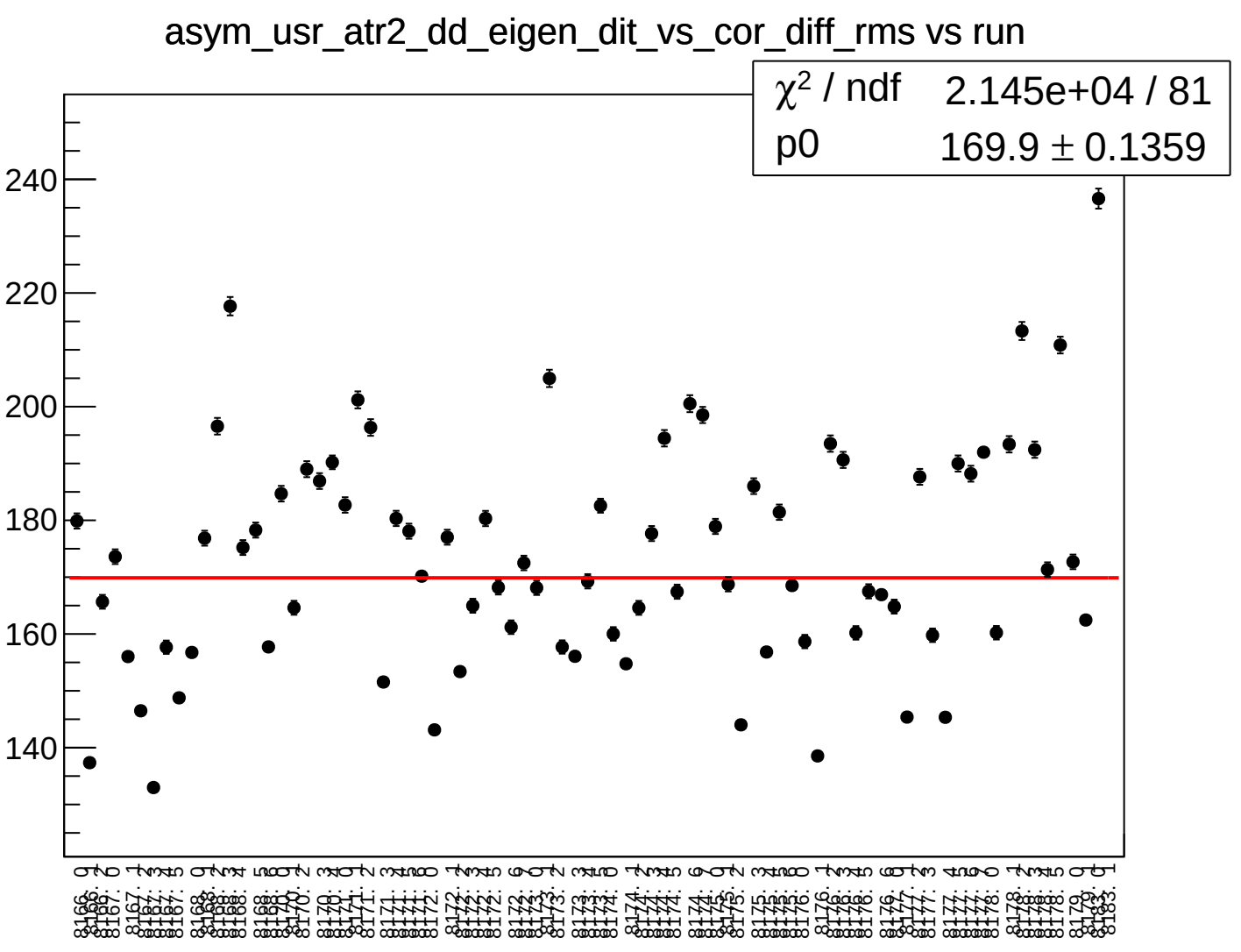

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.87 / 81
p0 −3.378e−06 ± 2.537e−05
pull
Entries 82
Mean 6479
Std Dev 0

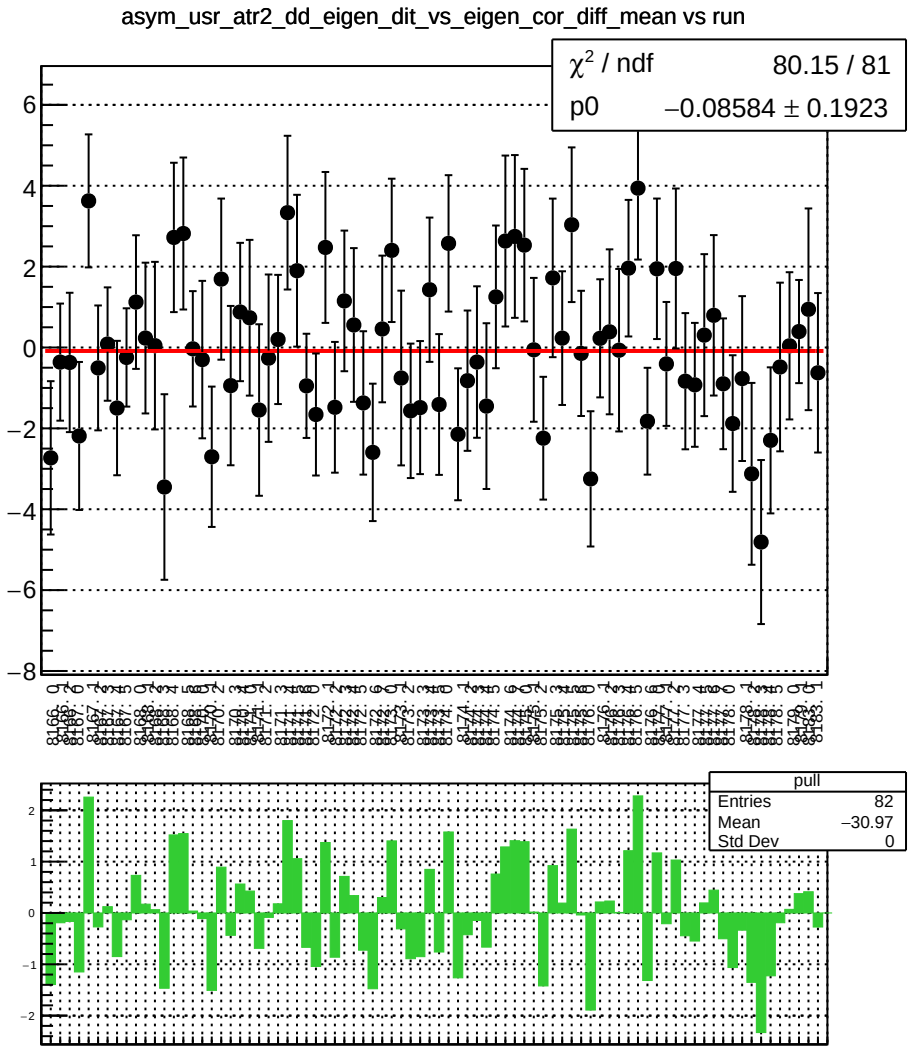

pull1D
Entries 82
Mean 0.0001814
Std Dev 1.081

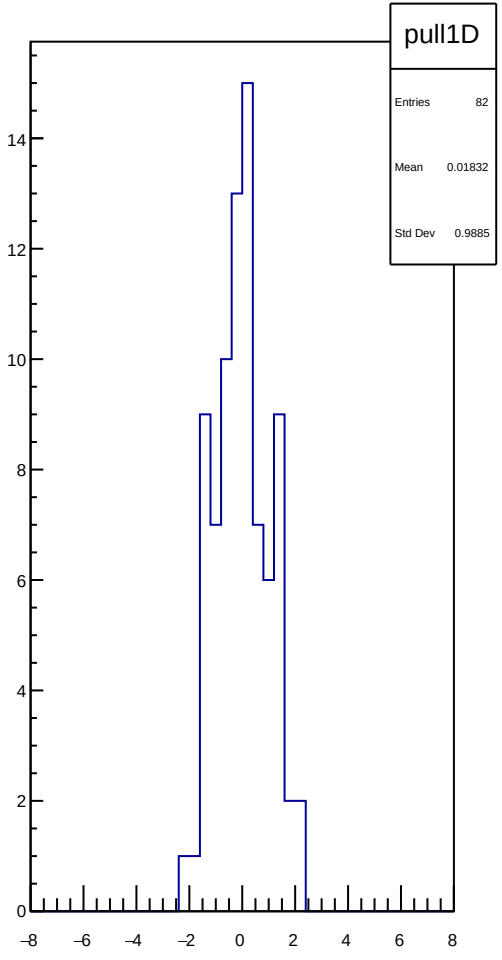

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1060 / 81
p0 0.02256 ± 1.794e−05
0.026
0.025
0.024
0.023
0.022
0.021

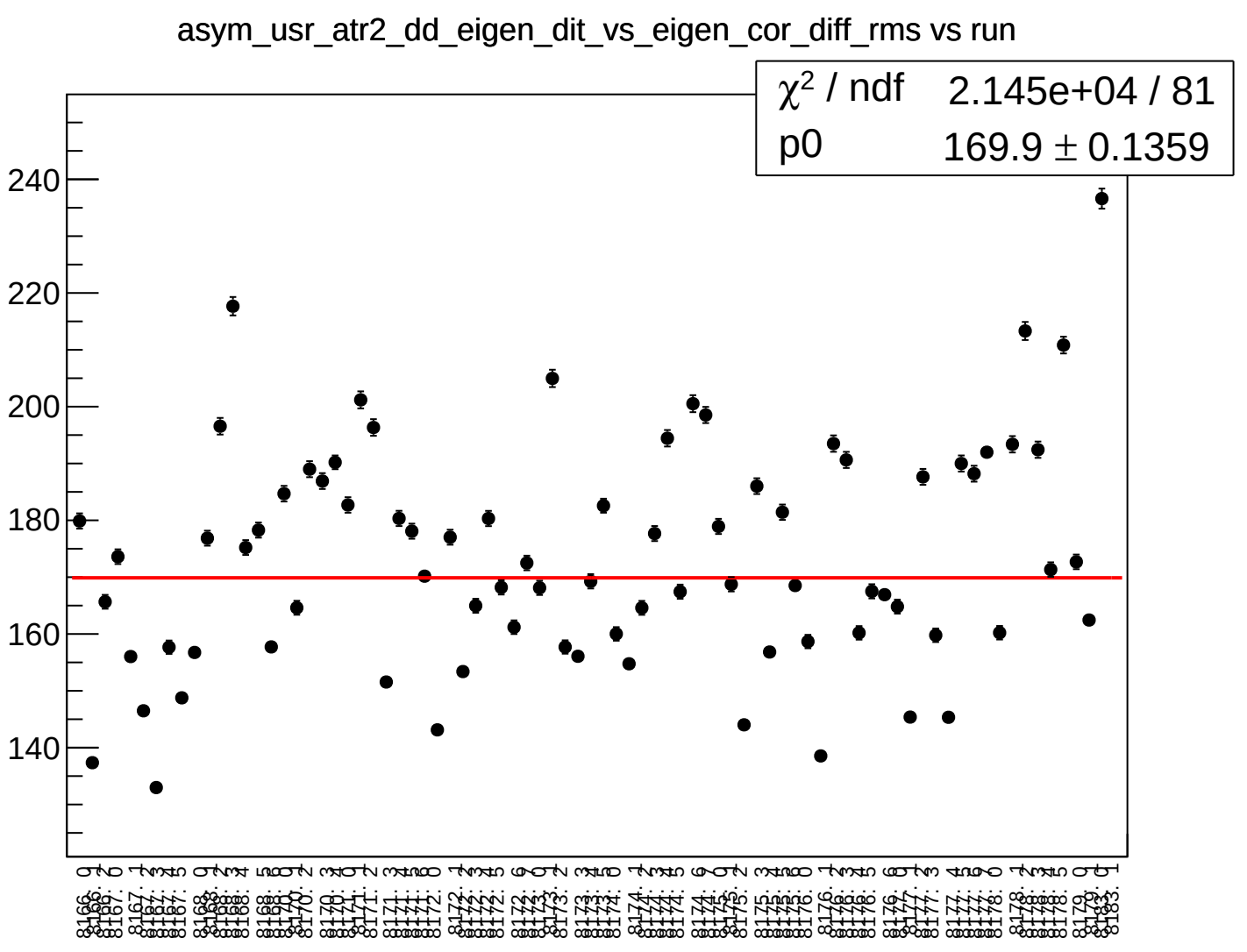

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.08584 ± 0.1923
pull
Entries 82
Mean −30.97
Std Dev 0

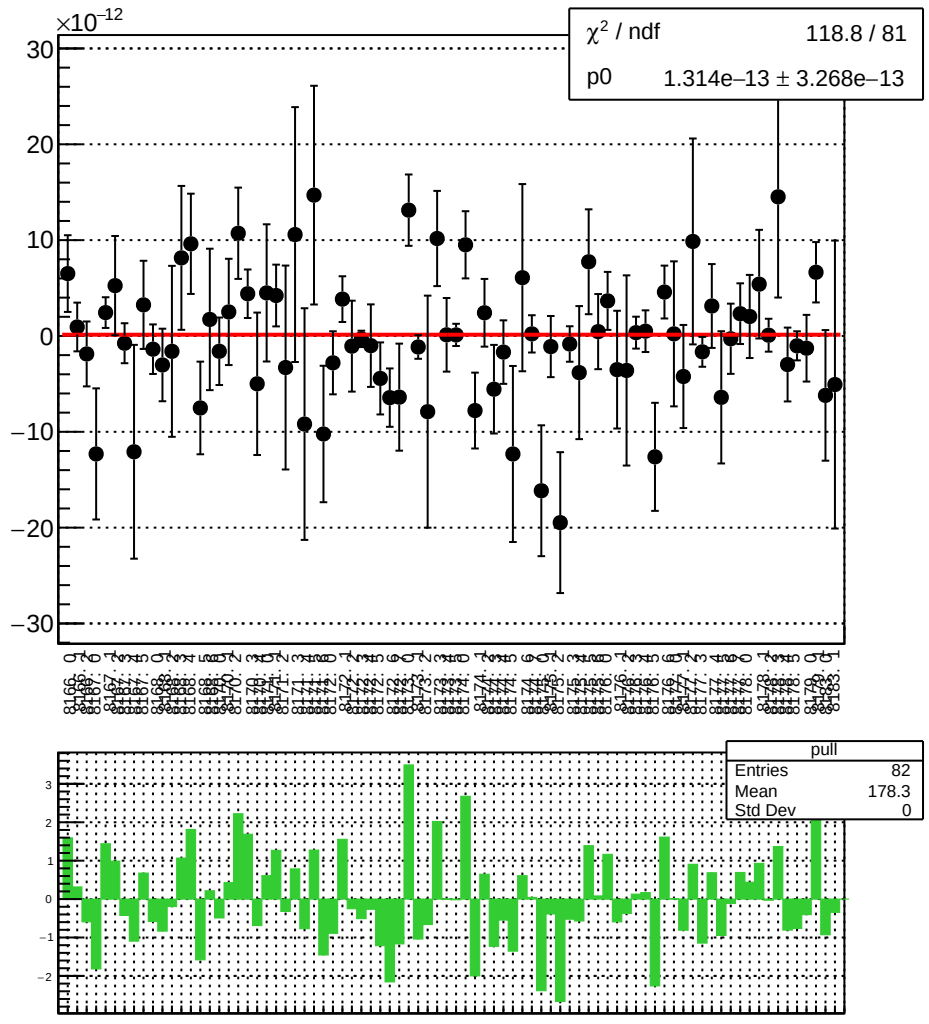

pull1D
Entries 82
Mean 0.01832
Std Dev 0.9885

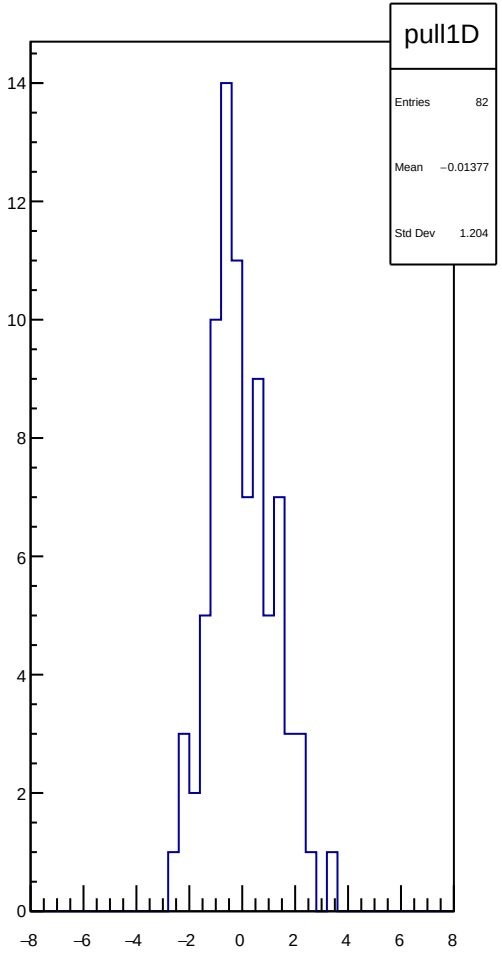

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.145e+04 / 81
p0 169.9 ± 0.1359
240
220
200
180
160
140

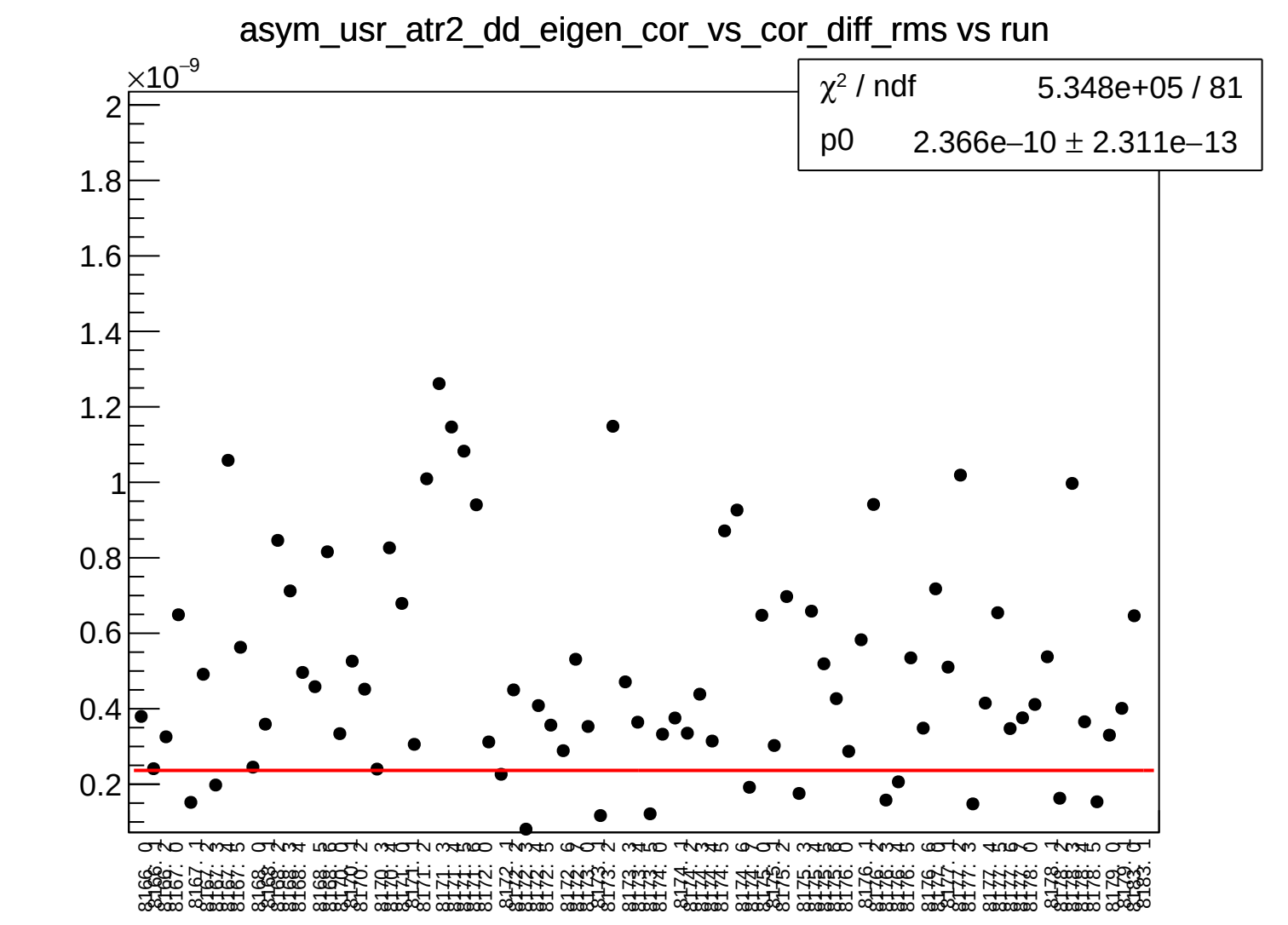

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.08584 ± 0.1923
pull
Entries 82
Mean −30.97
Std Dev 0

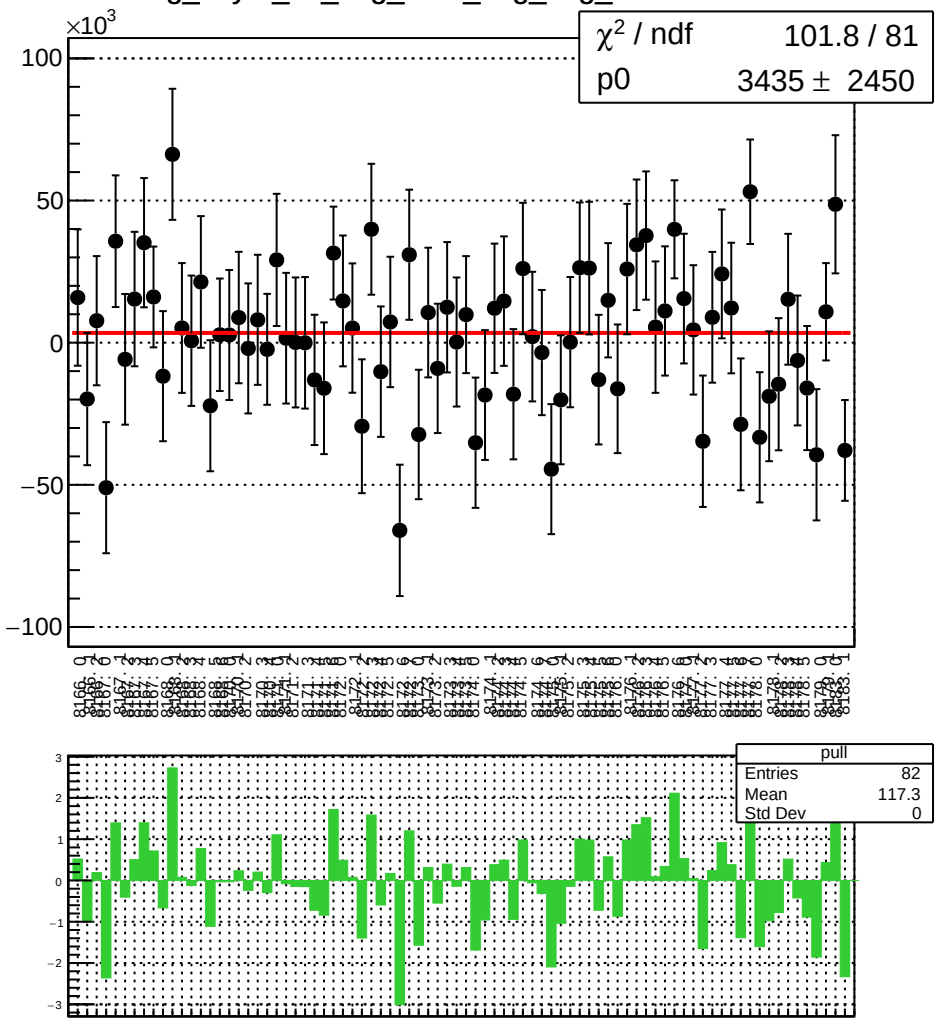

pull1D
Entries 82
Mean 0.01832
Std Dev 0.9885

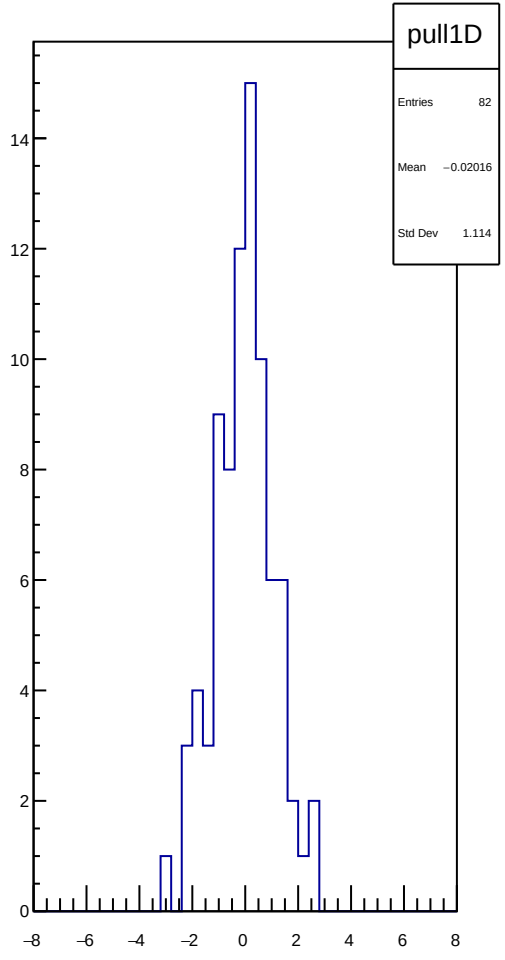

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.145e+04 / 81
p0 169.9 ± 0.1359
240
220
200
180
160
140

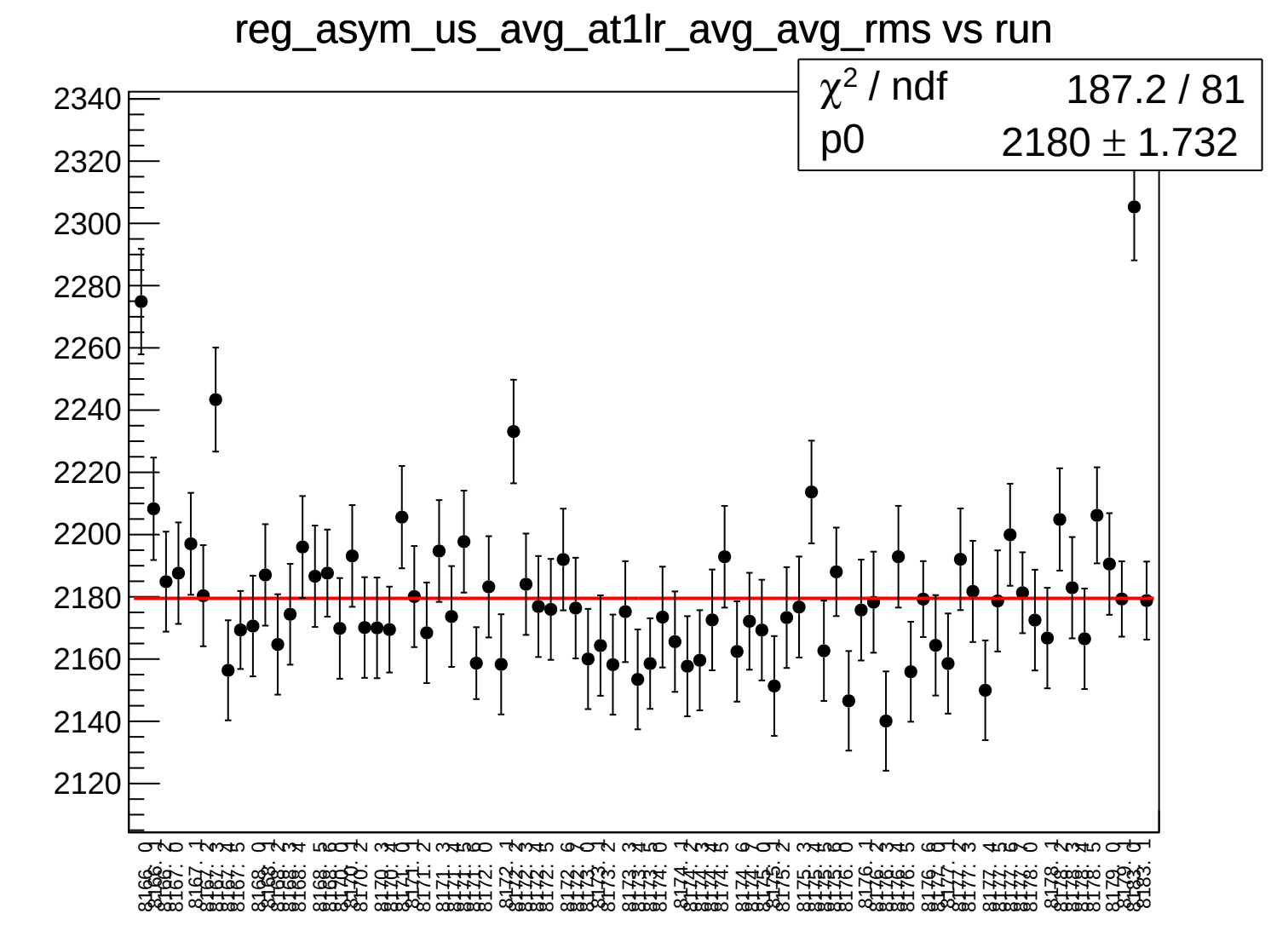

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 118.8 / 81
p0 1.314e−13 ± 3.268e−13
pull
Entries 82
Mean 178.3
Std Dev 0

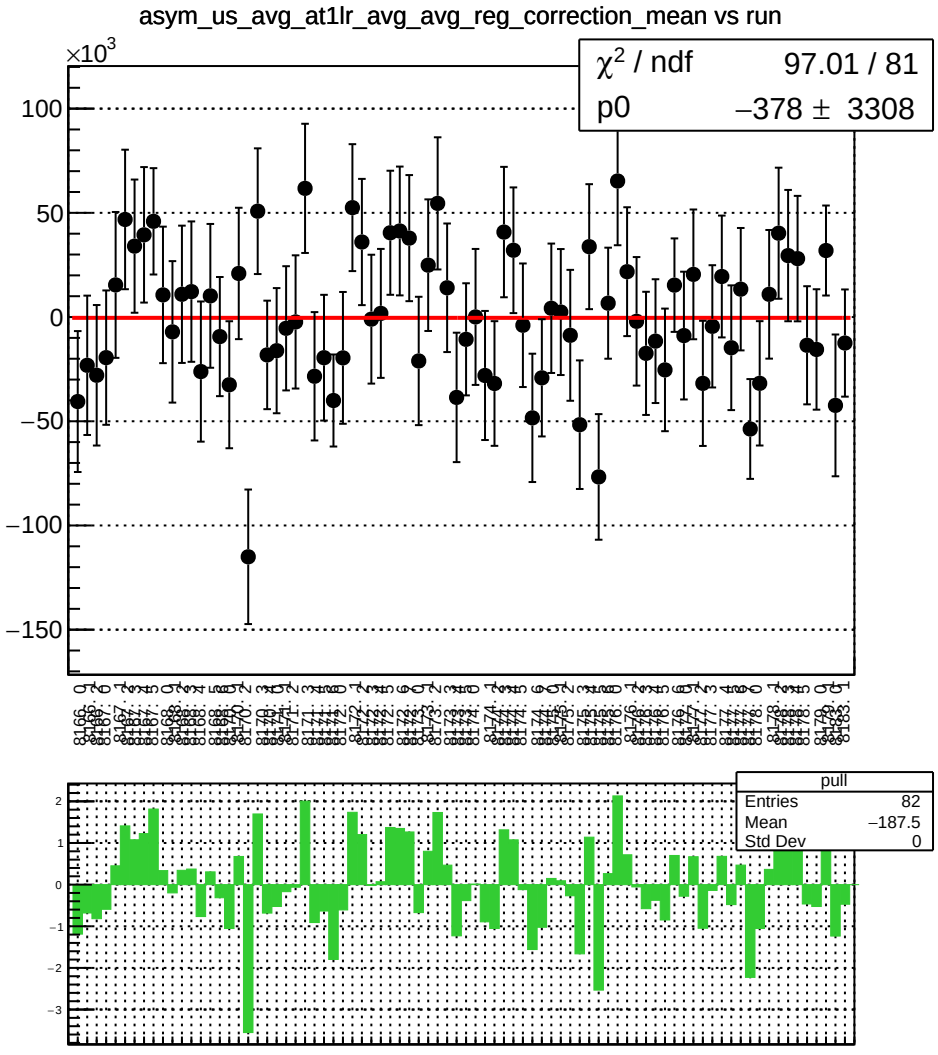

pull1D
Entries 82
Mean −0.01377
Std Dev 1.204

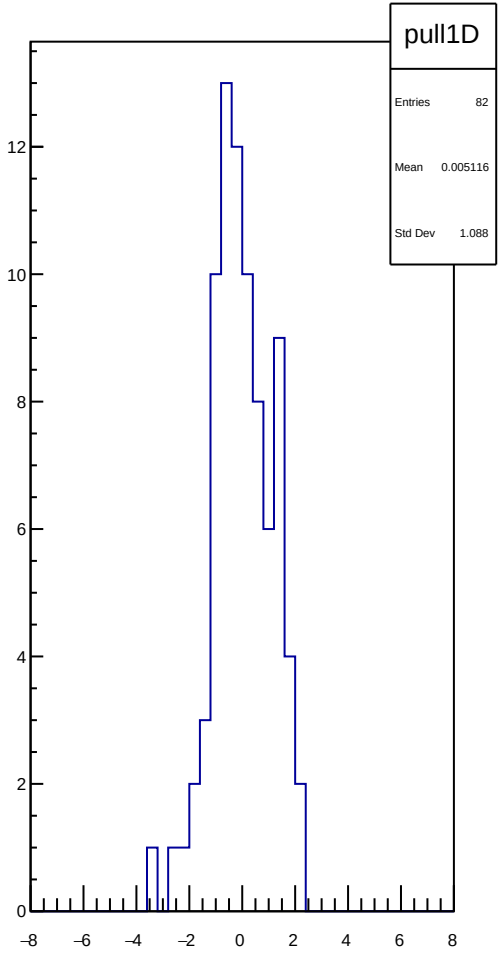

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.348e+05 / 81
p0 2.366e−10 ± 2.311e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

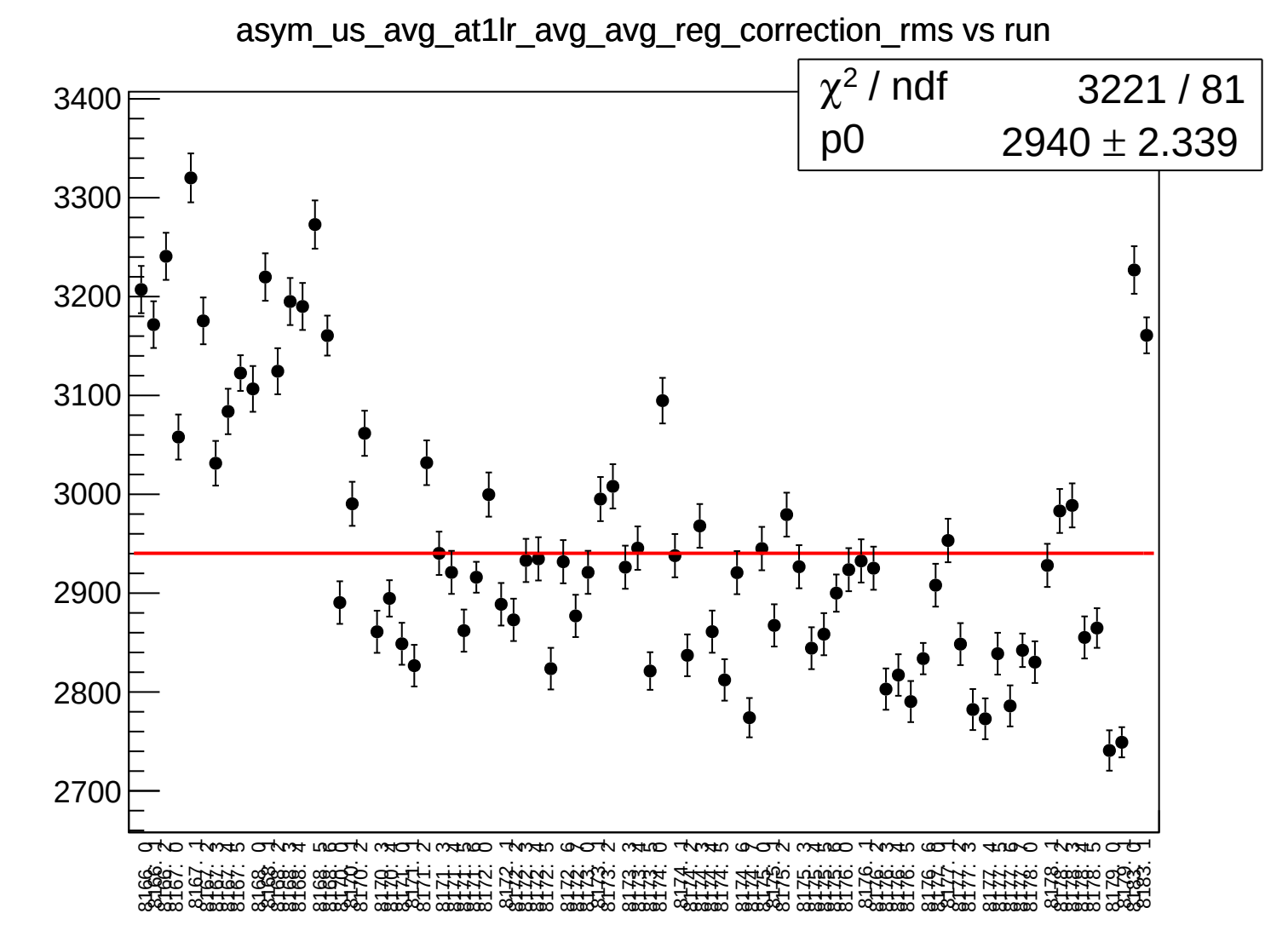

reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 101.8 / 81
p0 3435 ± 2450
100
50
0
−50
−100
pull
Entries 82
Mean 117.3
Std Dev 0
3
2
1
0
−1
−2
−3

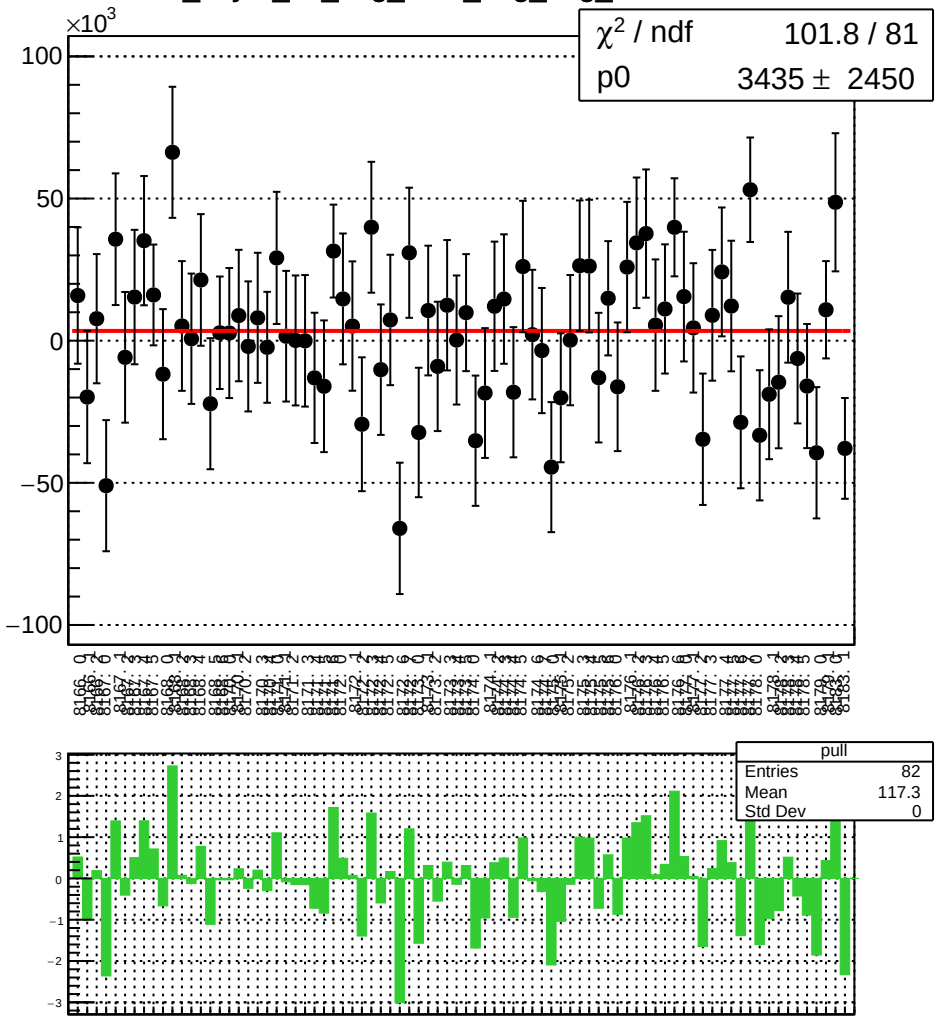

pull1D
Entries 82
Mean −0.02016
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

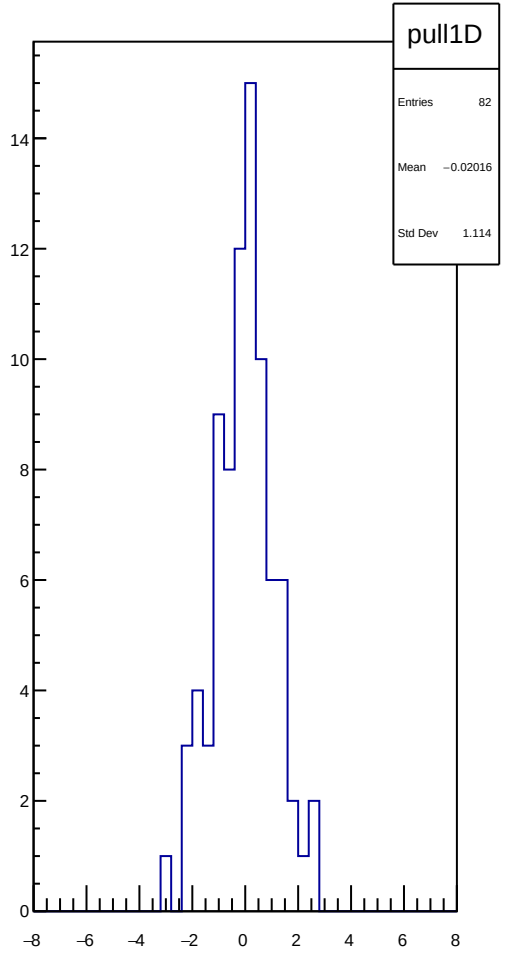

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 187.2 / 81
p0 2180 ± 1.732
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

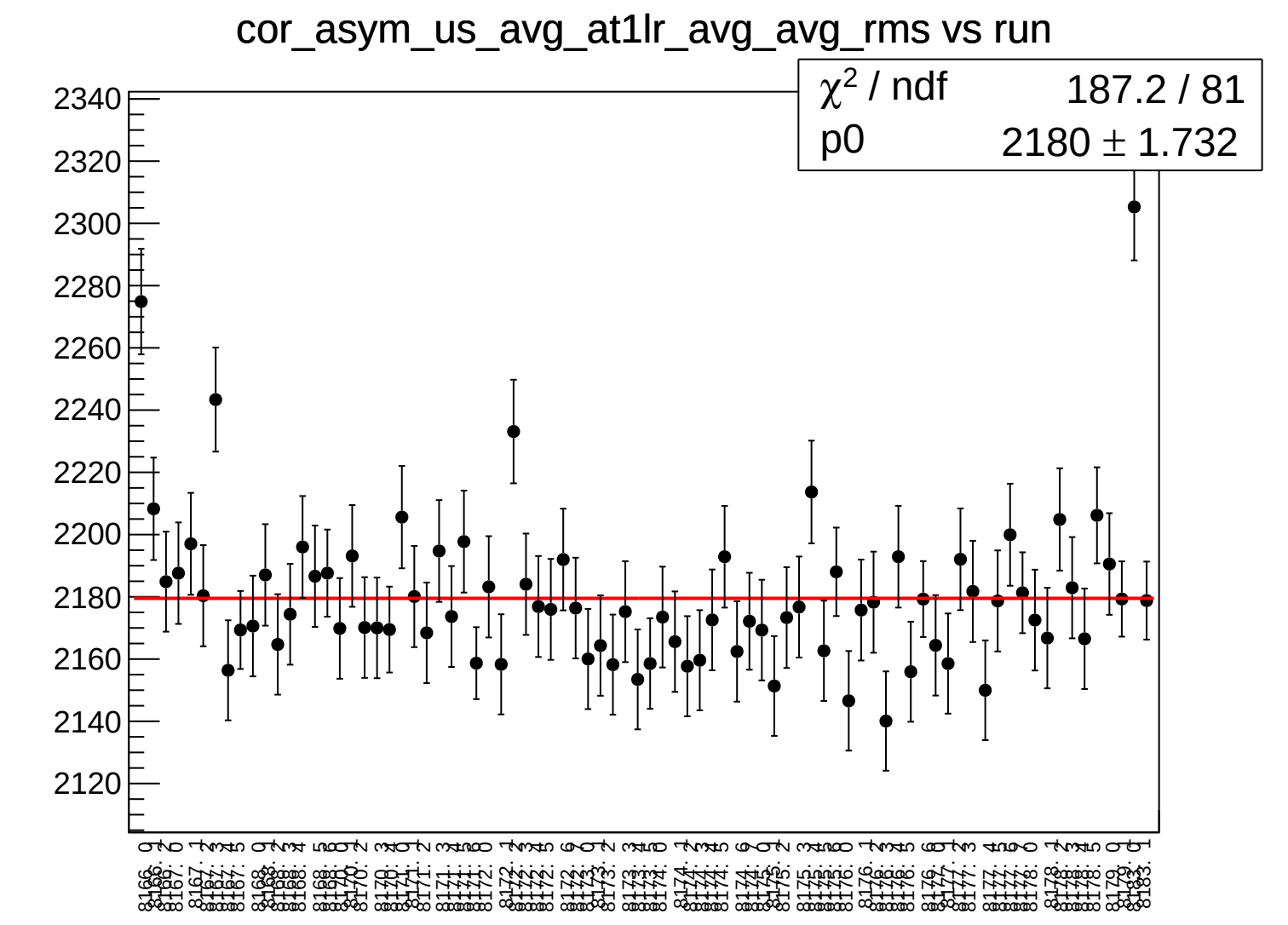

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.01 / 81
p0 −378 ± 3308
pull
Entries 82
Mean −187.5
Std Dev 0

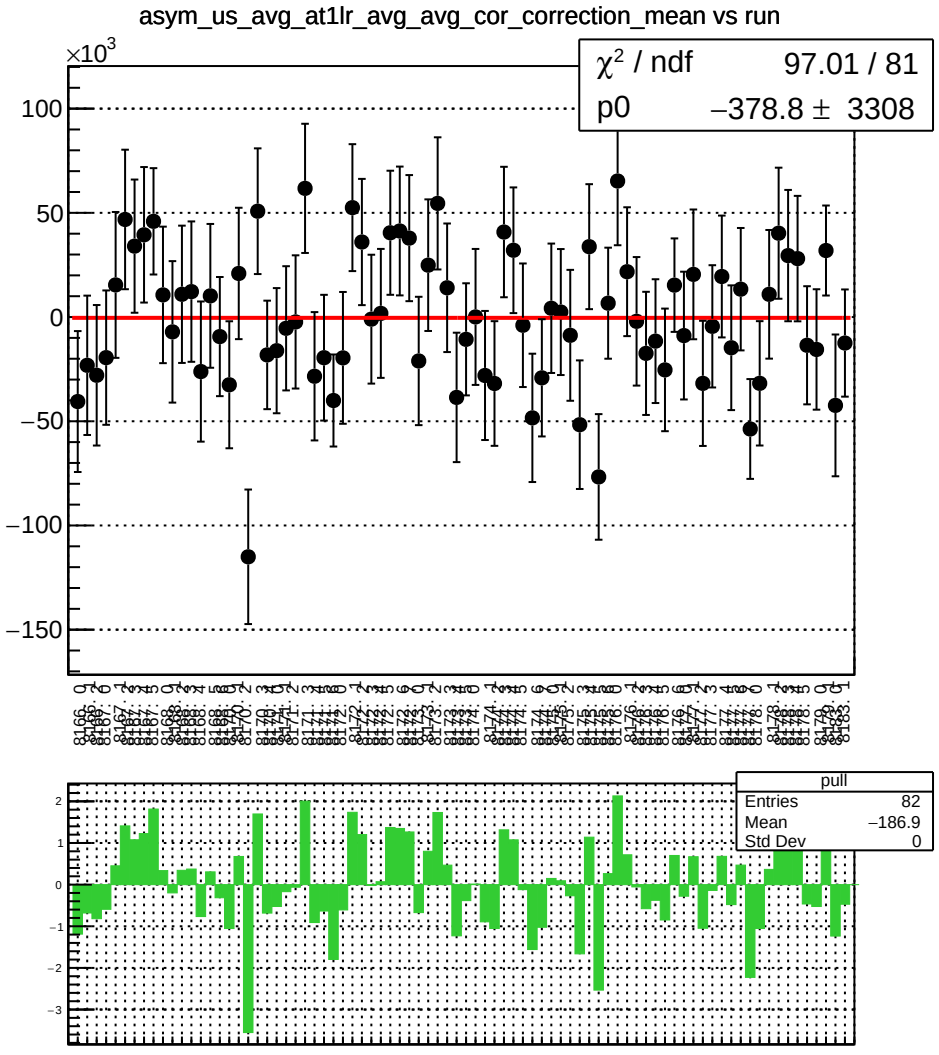

pull1D
Entries 82
Mean 0.005116
Std Dev 1.088

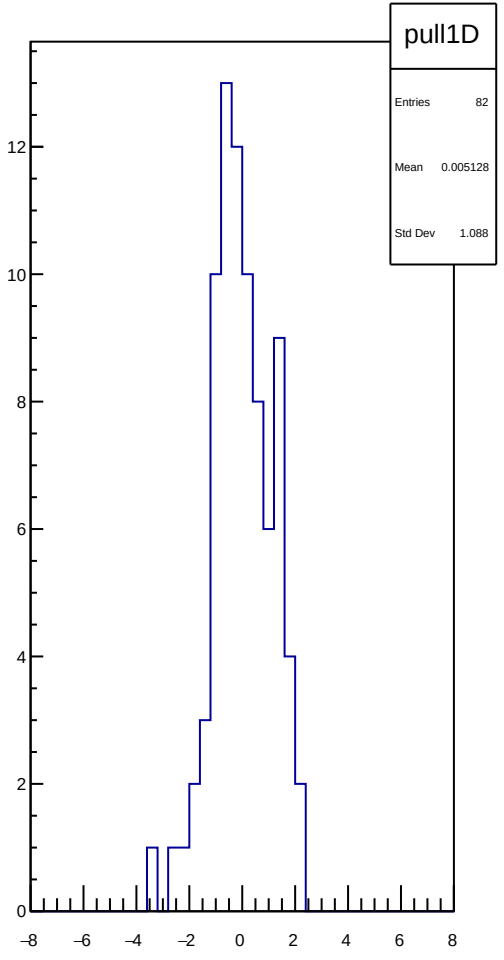

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3221 / 81
p0 2940 ± 2.339
3400
3300
3200
3100
3000
2900
2800
2700

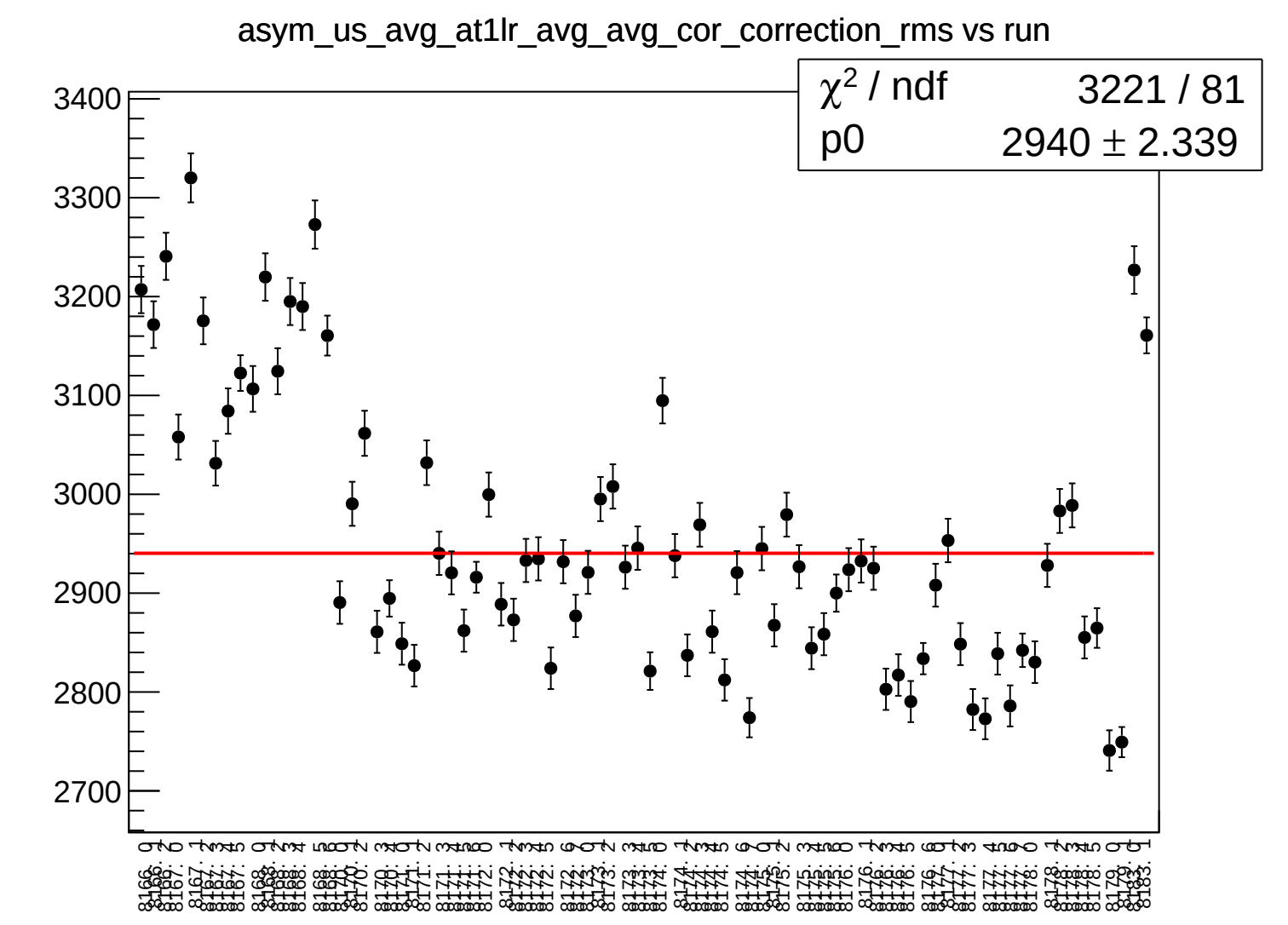

cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 101.8 / 81
p0 3435 ± 2450
100
50
0
−50
−100
pull
Entries 82
Mean 117.3
Std Dev 0
3
2
1
0
−1
−2
−3

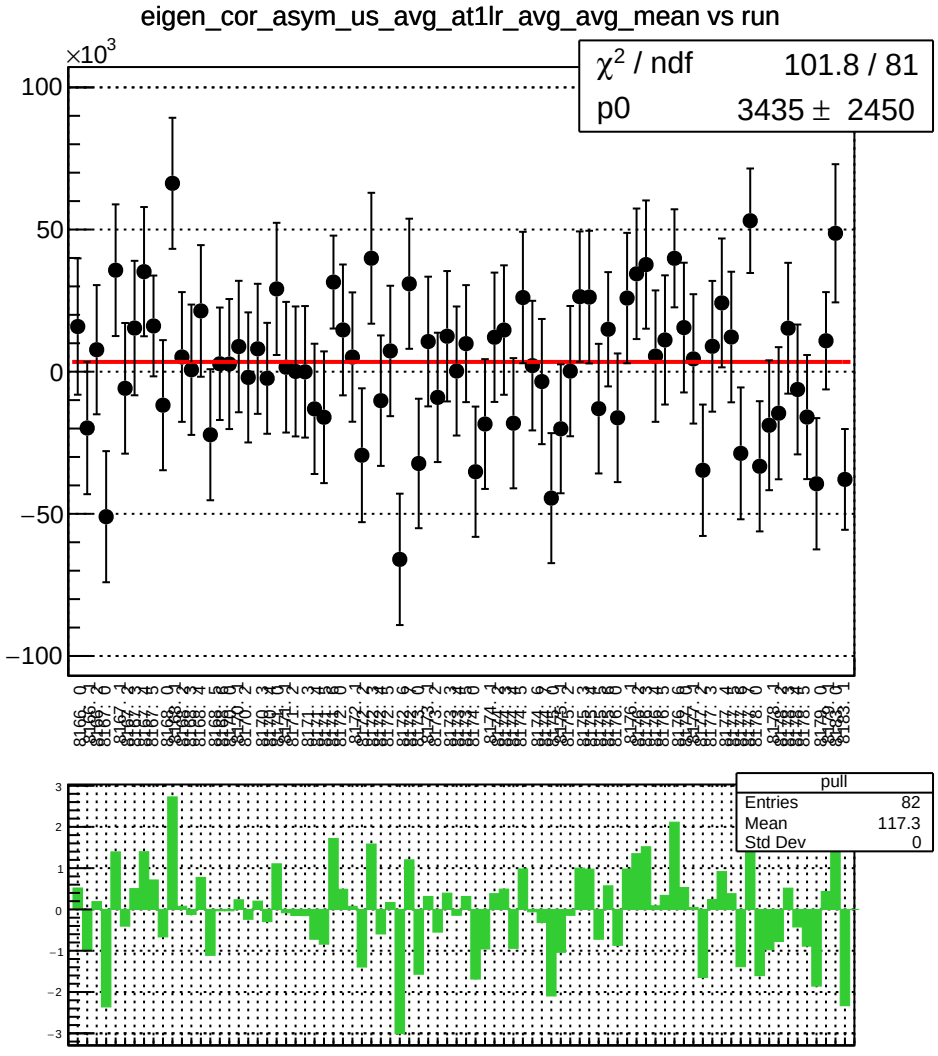

pull1D
Entries 82
Mean −0.02016
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

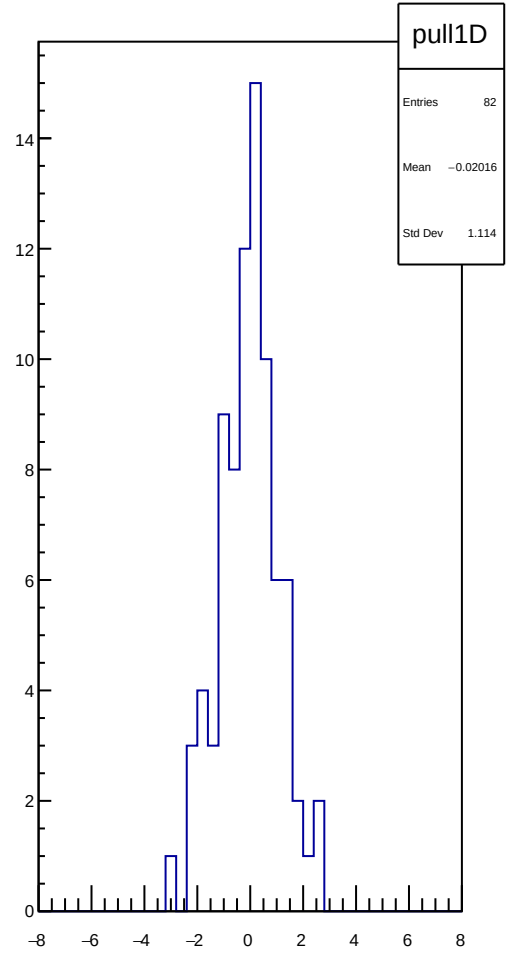

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 187.2 / 81
p0 2180 ± 1.732
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

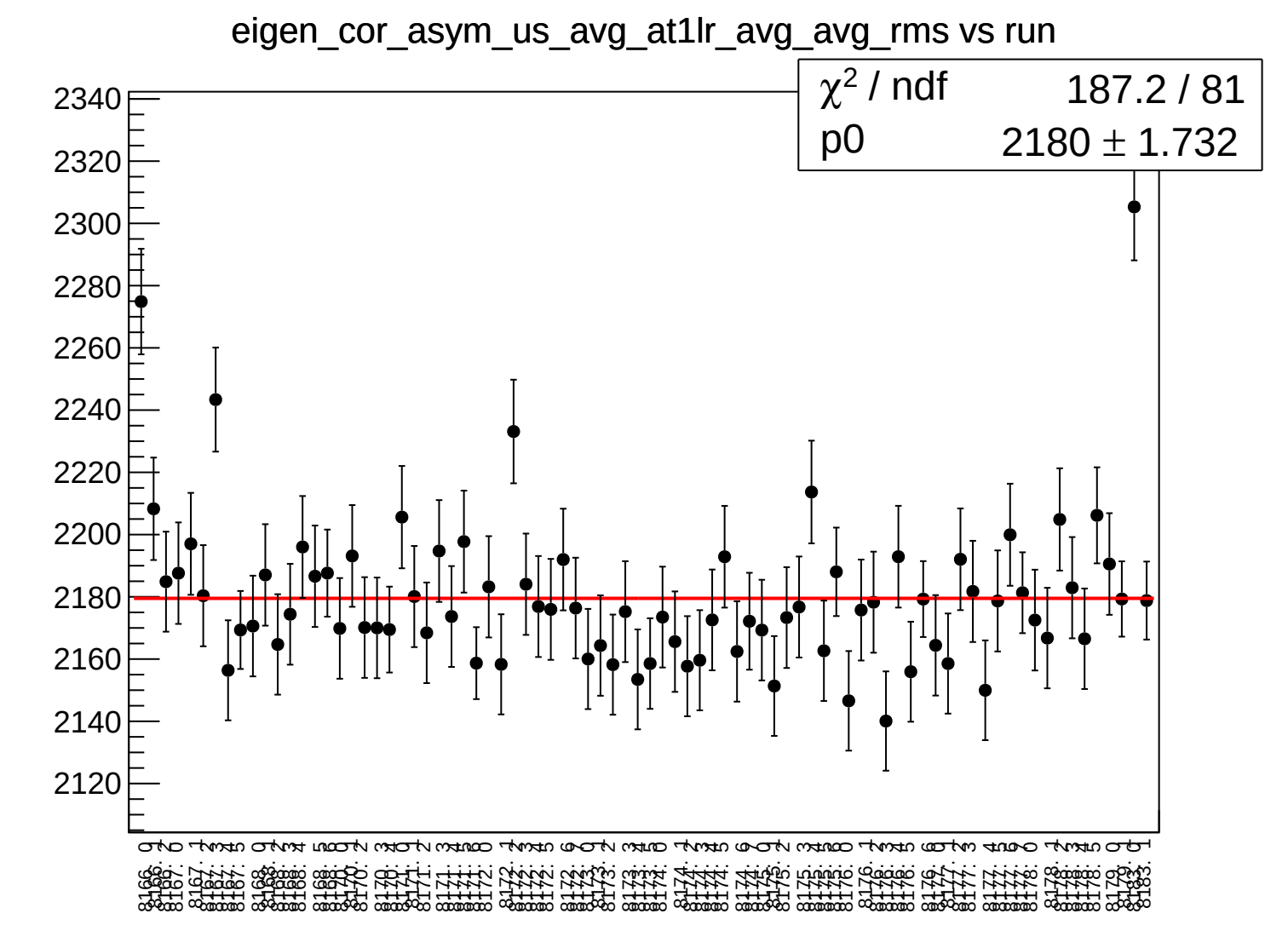

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 97.01 / 81
p0 −378.8 ± 3308
100
50
0
−50
−100
−150
pull
Entries 82
Mean −186.9
Std Dev 0
2
1
0
−1
−2
−3

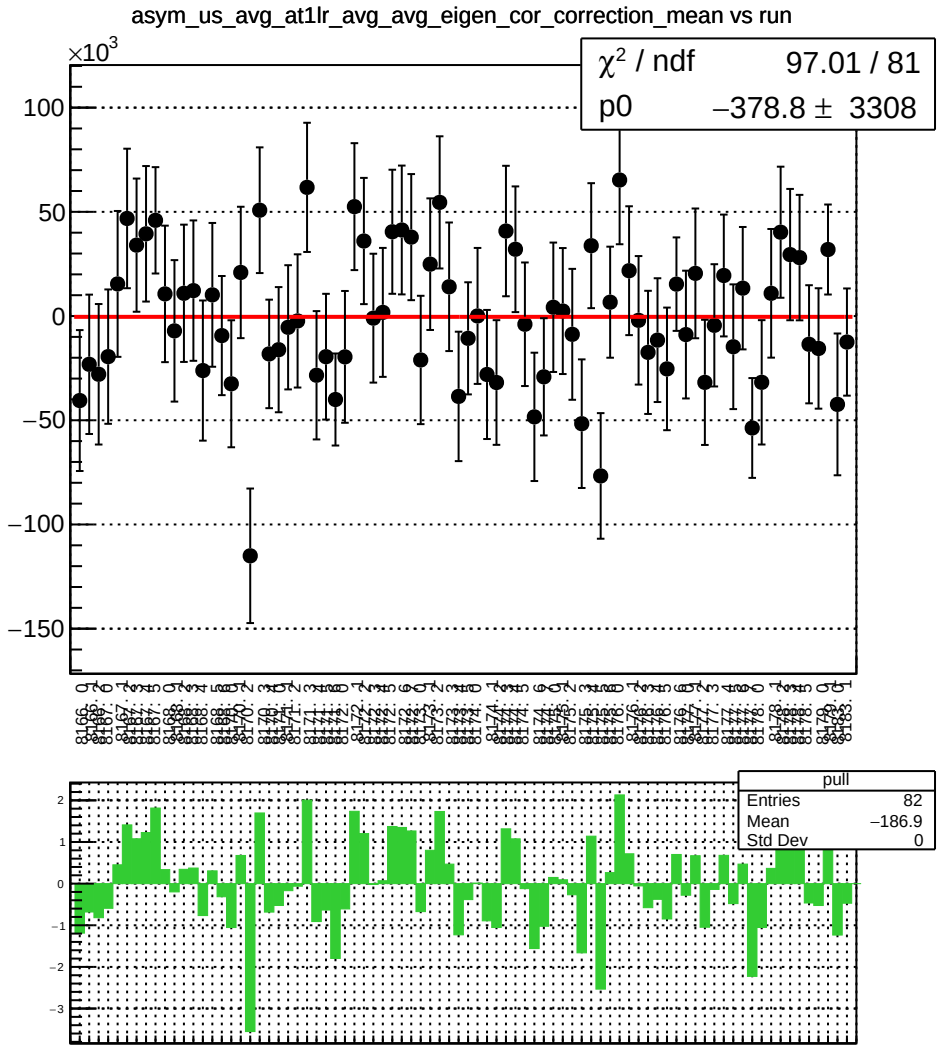

pull1D
Entries 82
Mean 0.005128
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

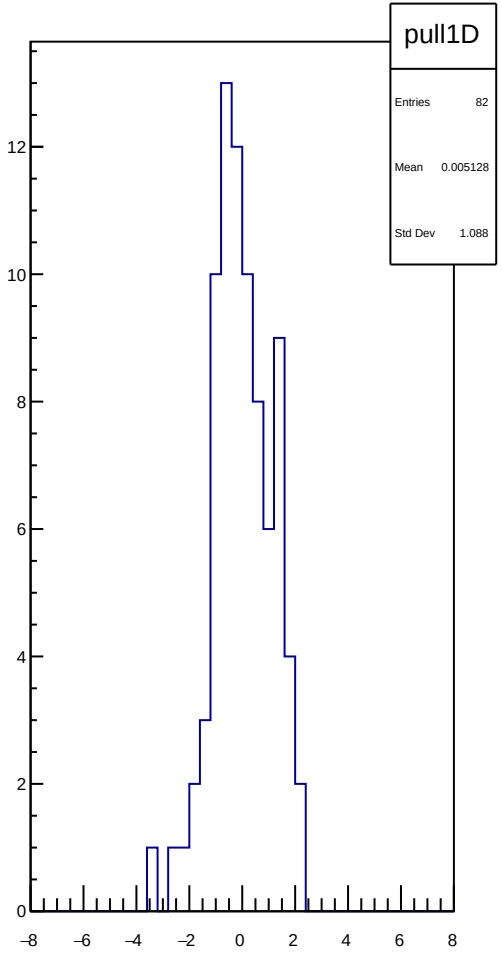

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3221 / 81
p0 2940 ± 2.339
3400
3300
3200
3100
3000
2900
2800
2700

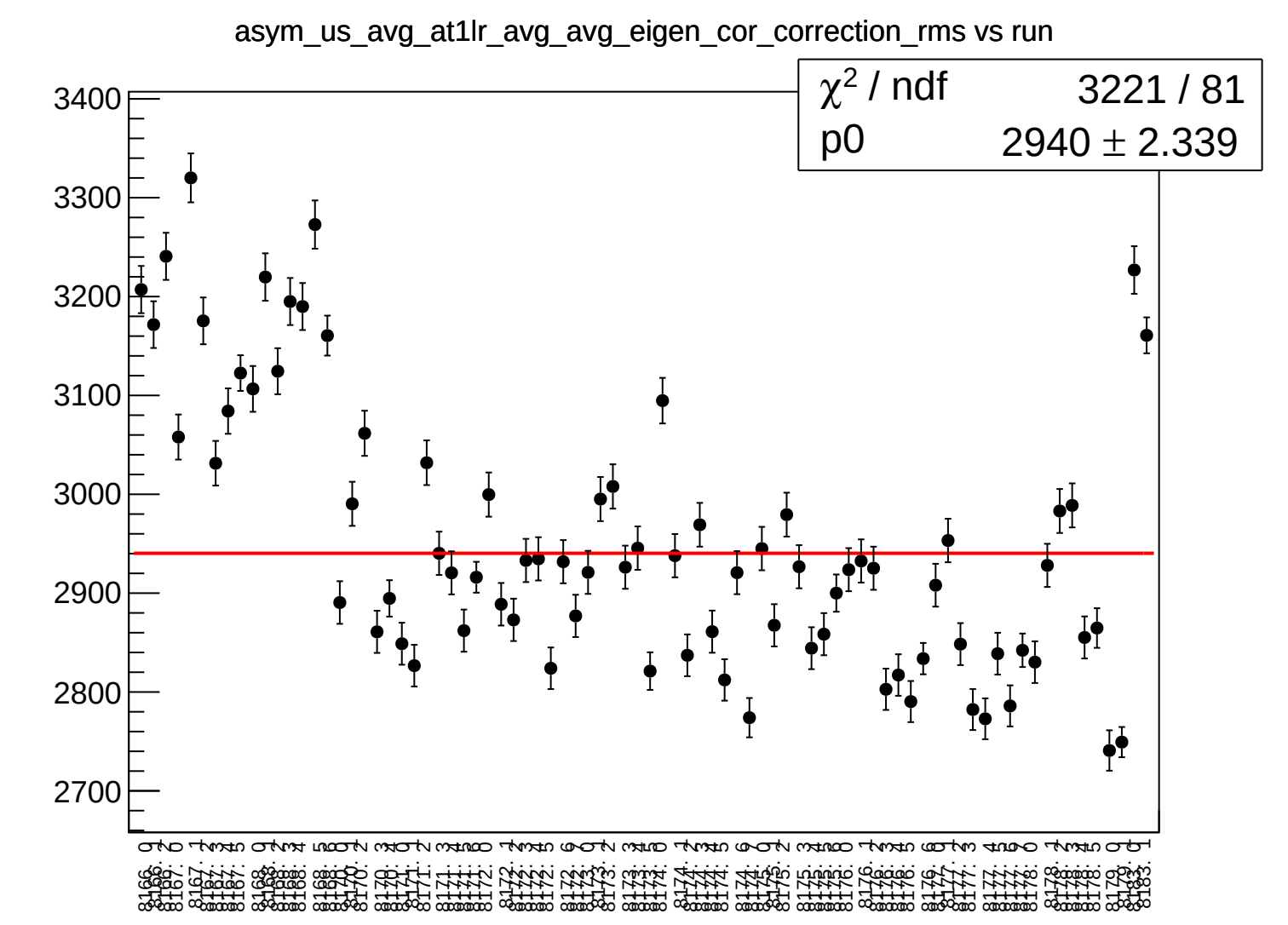

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 101.8 / 81
p0 3435 ± 2450
pull
Entries 82
Mean 117.3
Std Dev 0

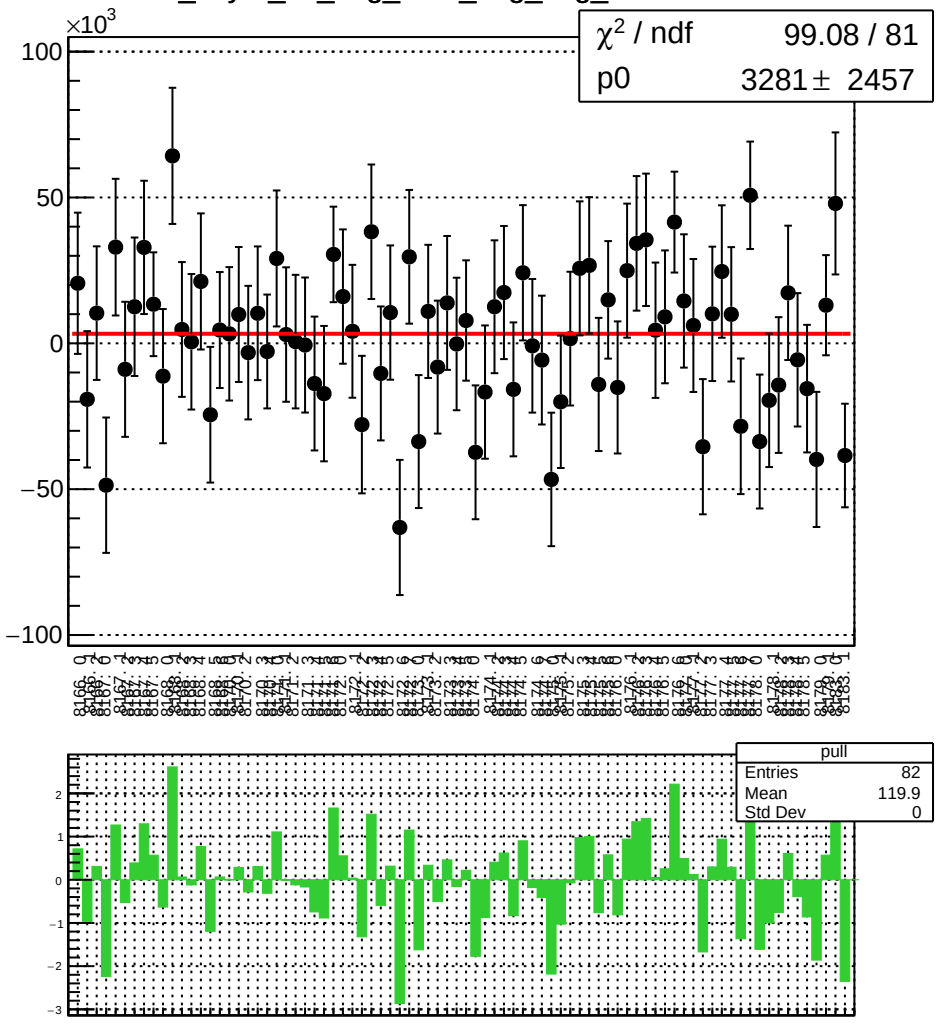

pull1D
Entries 82
Mean −0.02016
Std Dev 1.114

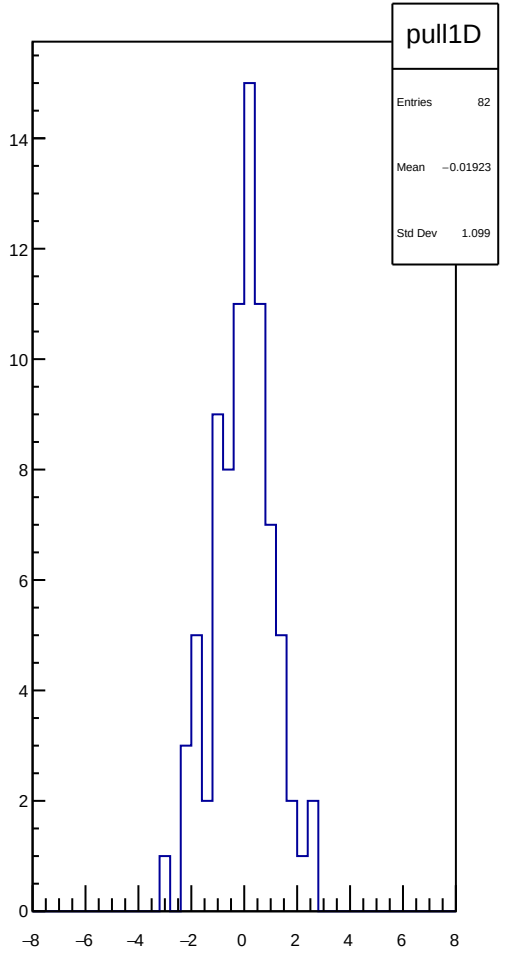

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 187.2 / 81
p0 2180 ± 1.732
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

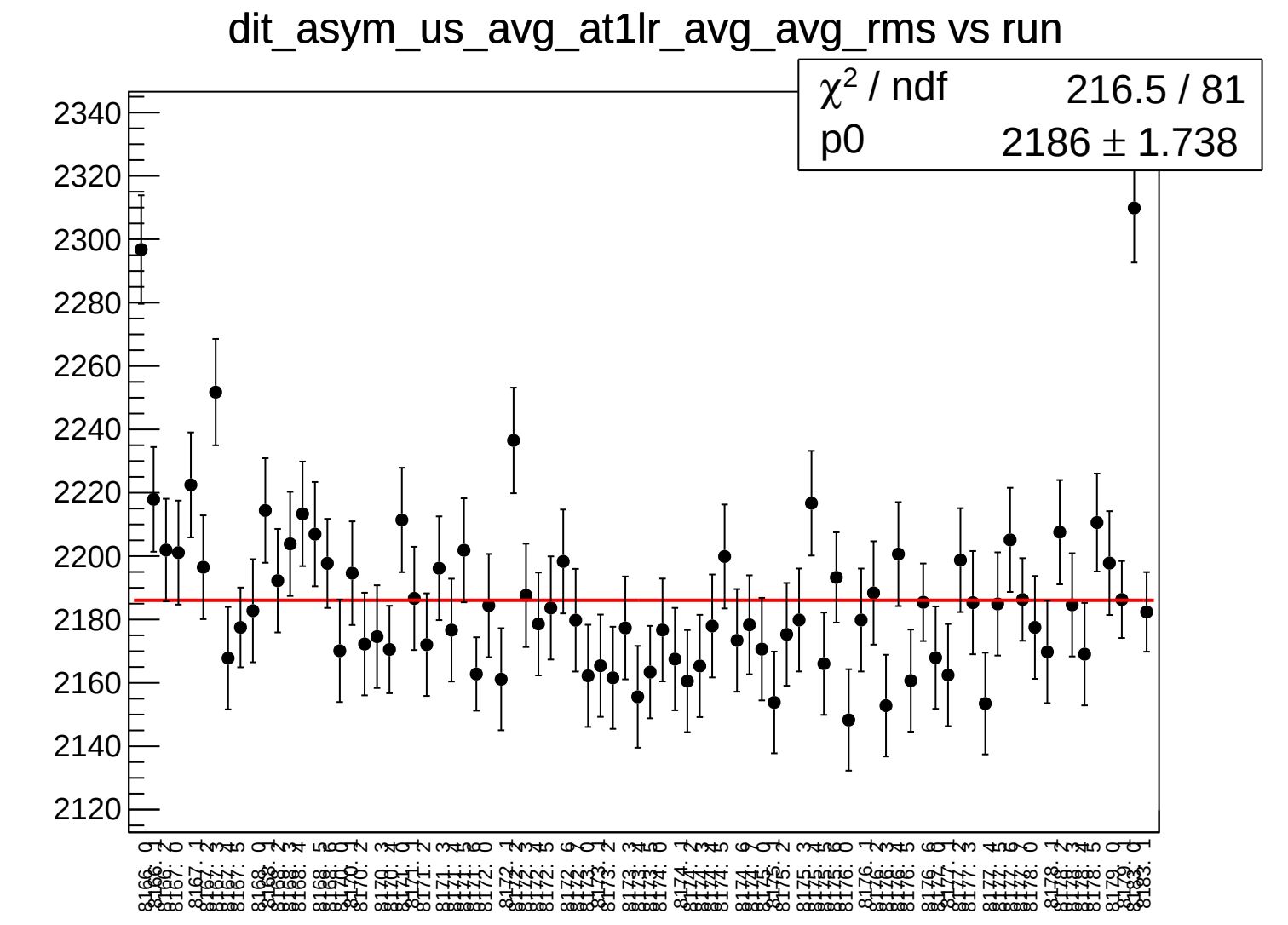

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.01 / 81
p0 −378.8 ± 3308
100
50
0
−50
−100
−150
pull
Entries 82
Mean −186.9
Std Dev 0
2
1
0
−1
−2
−3

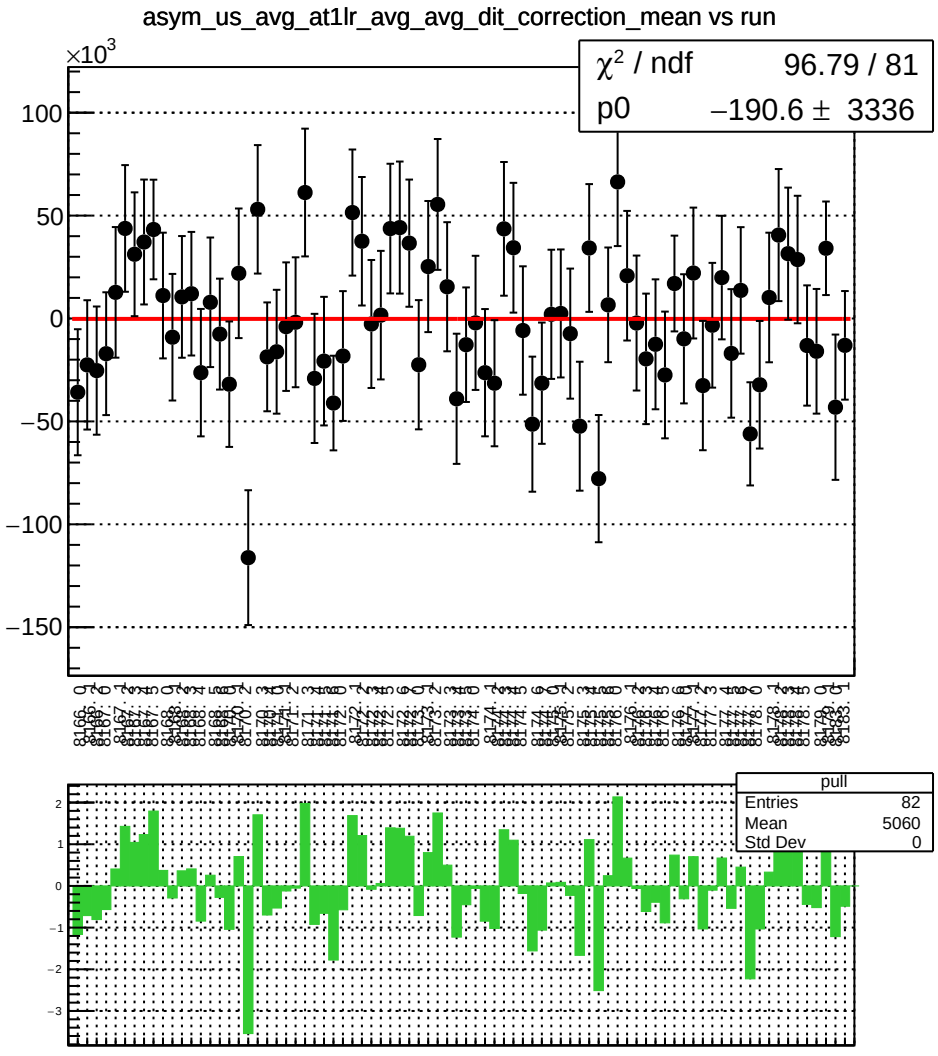

pull1D
Entries 82
Mean 0.005128
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

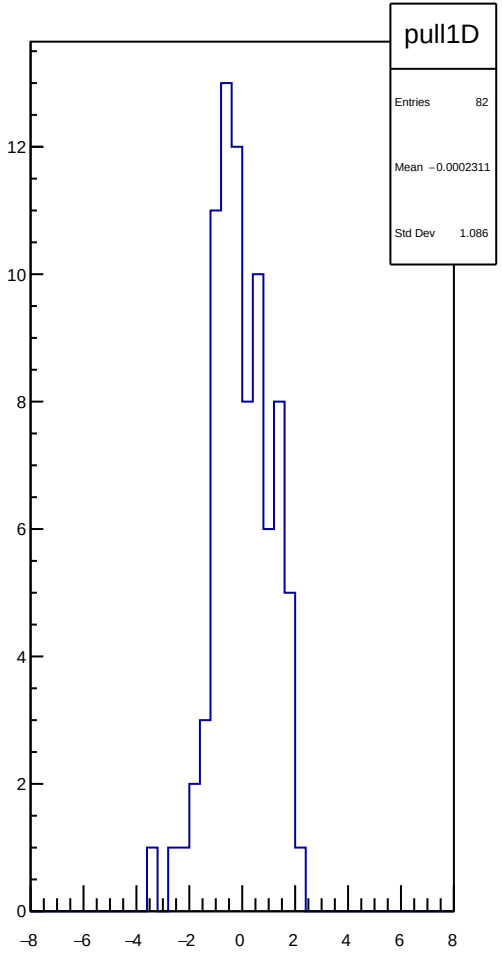

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3221 / 81
p0 2940 ± 2.339
3400
3300
3200
3100
3000
2900
2800
2700

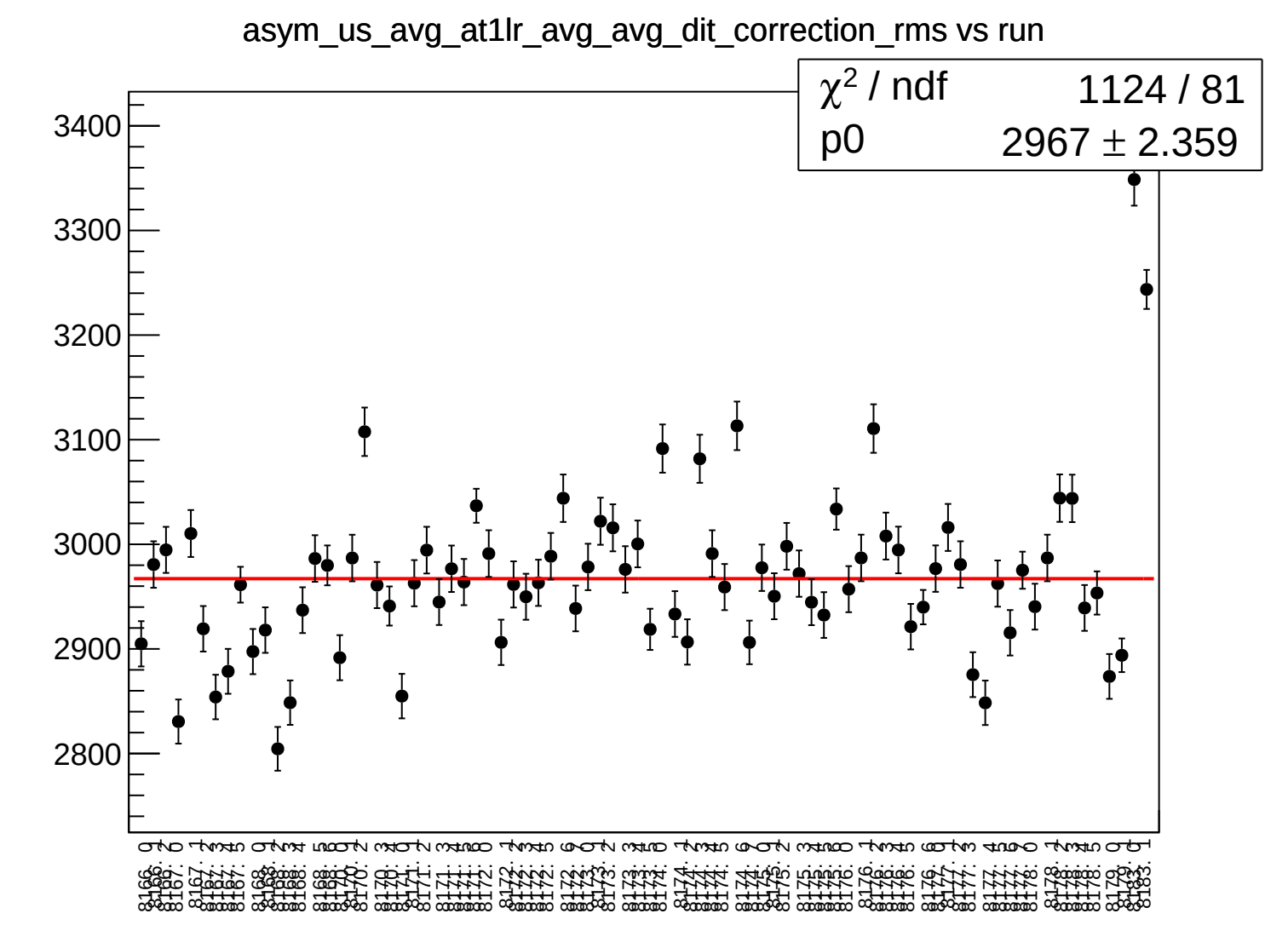

dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 99.08 / 81
p0 3281 ± 2457
pull
Entries 82
Mean 119.9
Std Dev 0

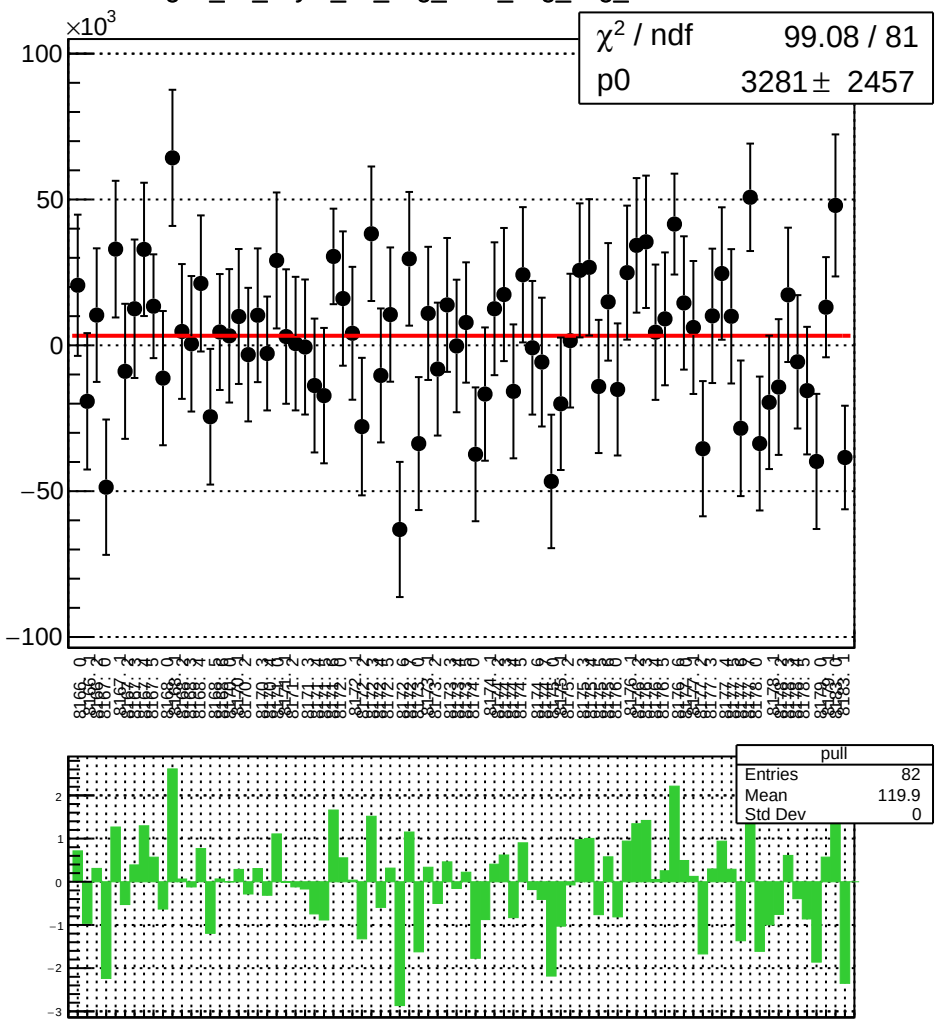

pull1D
Entries 82
Mean −0.01923
Std Dev 1.099

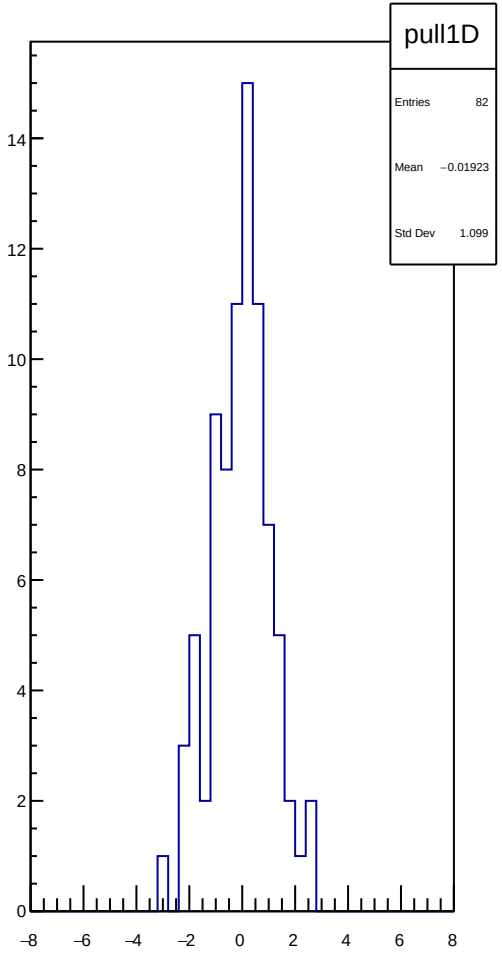

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 216.5 / 81
p0 2186 ± 1.738
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

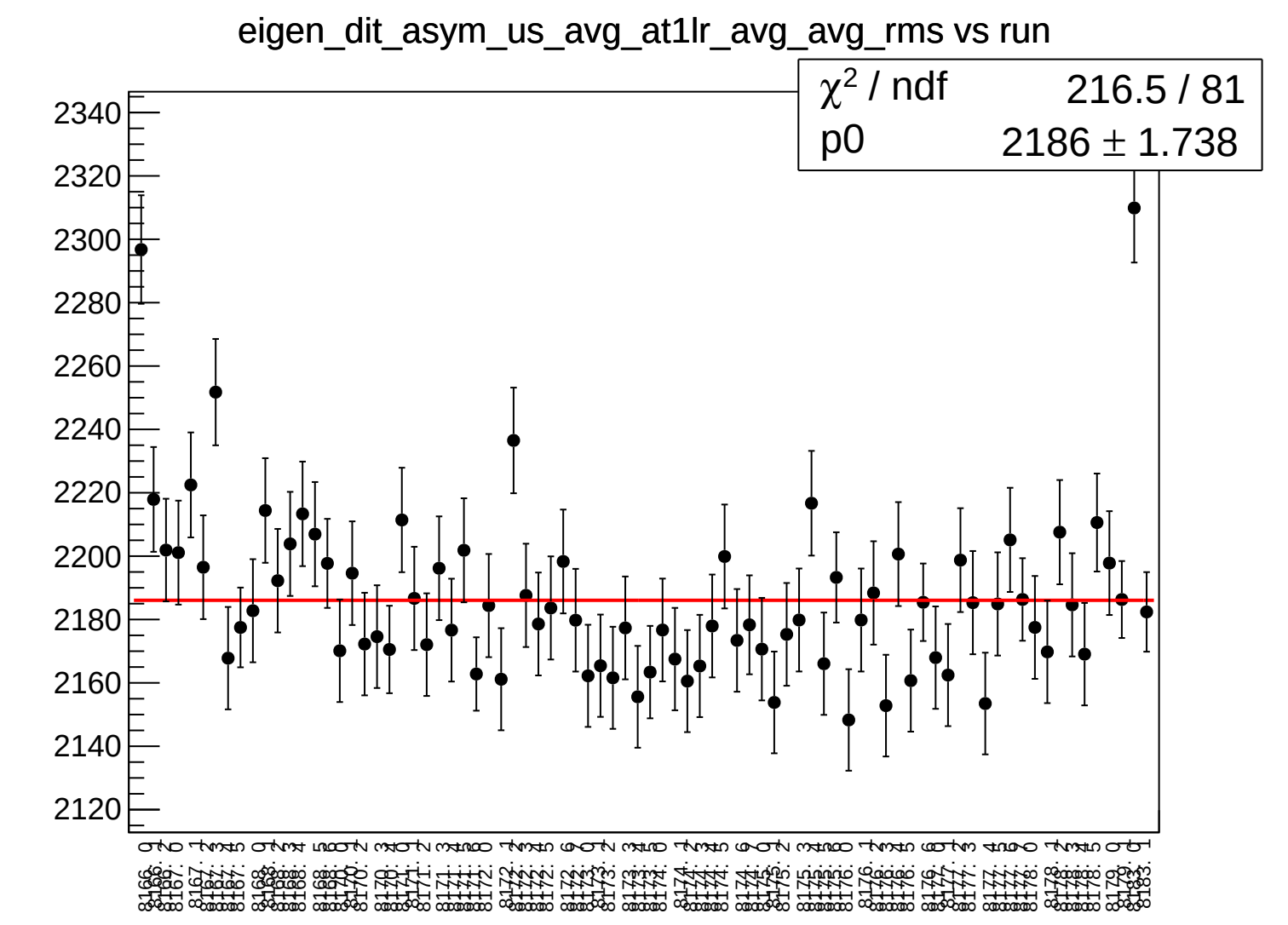

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.79 / 81
p0 −190.6 ± 3336
pull
Entries 82
Mean 5060
Std Dev 0

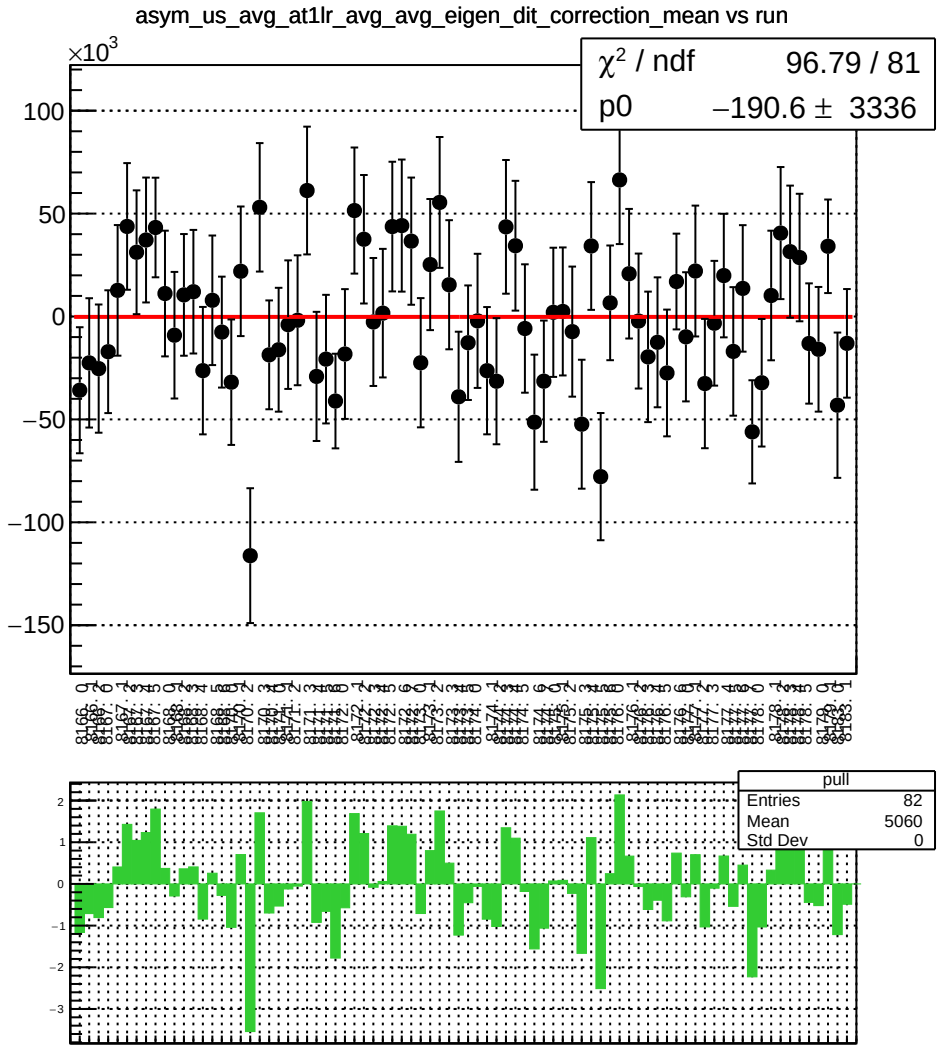

pull1D
Entries 82
Mean −0.0002311
Std Dev 1.086

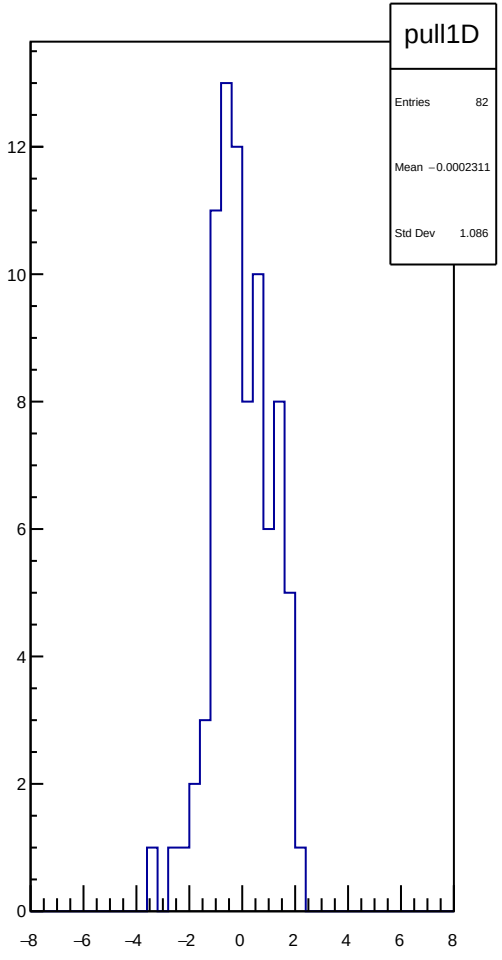

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1124 / 81
p0 2967 ± 2.359
3400
3300
3200
3100
3000
2900
2800

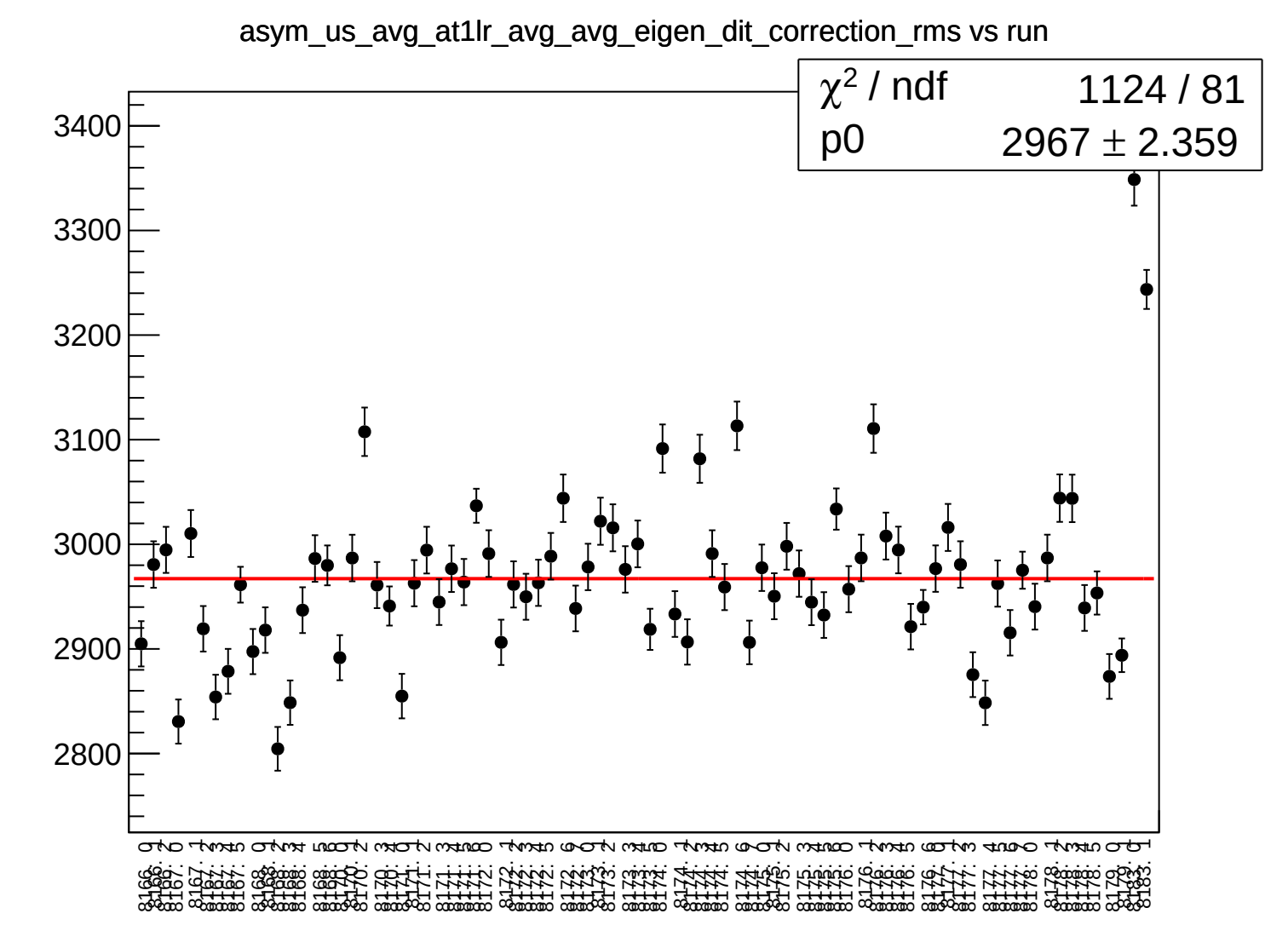

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 99.08 / 81
p0 3281 ± 2457
pull
Entries 82
Mean 119.9
Std Dev 0

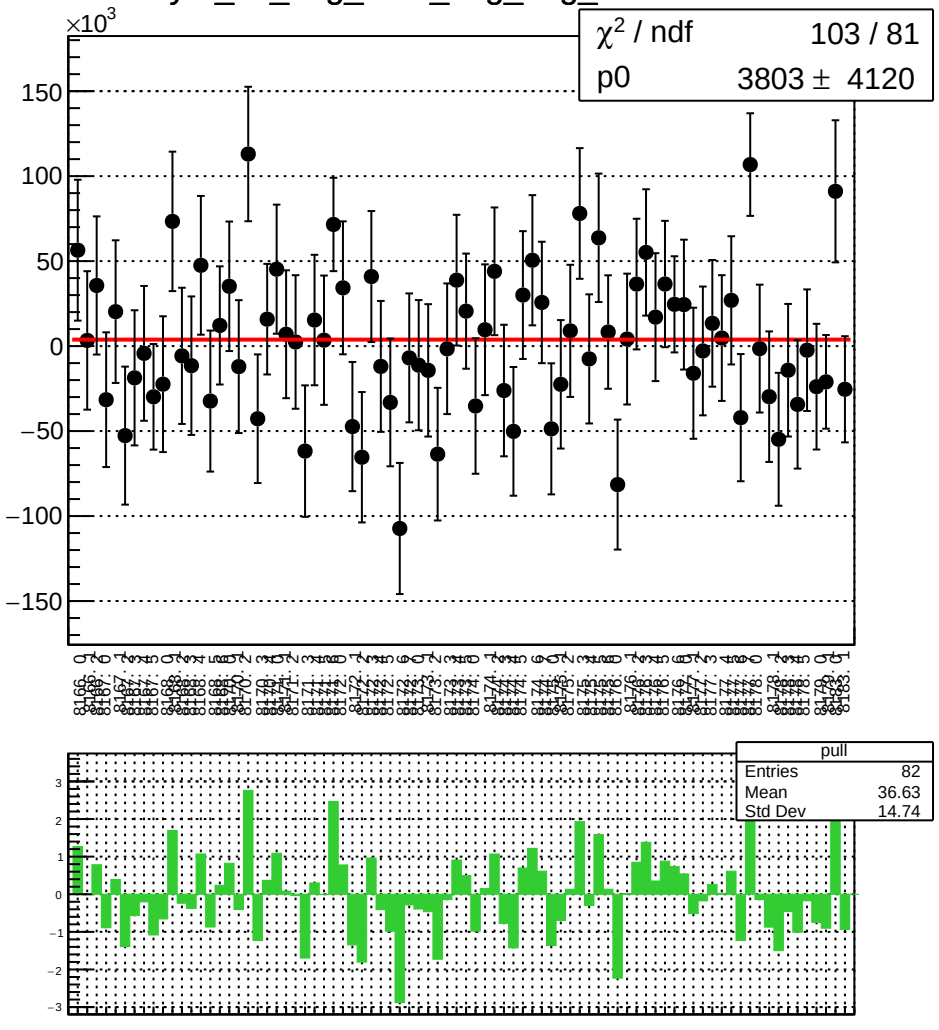

pull1D
Entries 82
Mean −0.01923
Std Dev 1.099

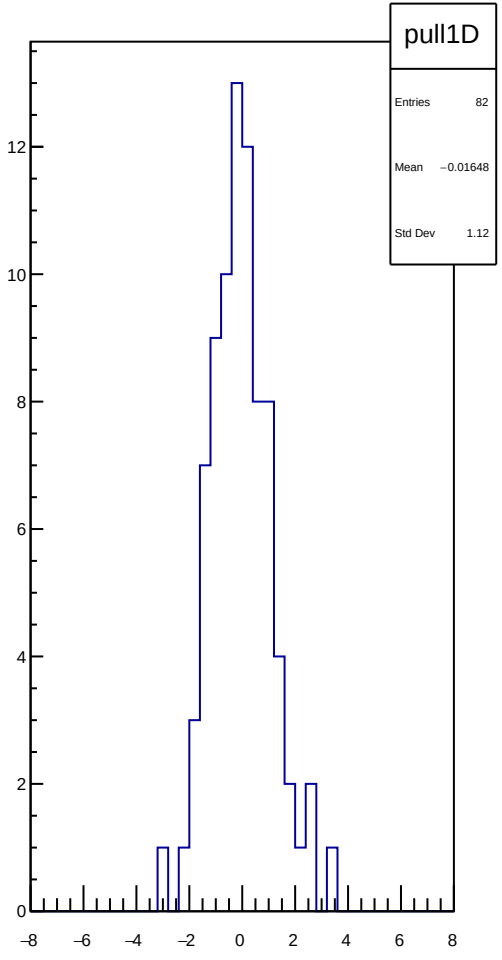

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ^2 / ndf 216.5 / 81
p0 2186 ± 1.738
2340
2320
2300
2280
2260
2240
2220
2200
2180
2160
2140
2120

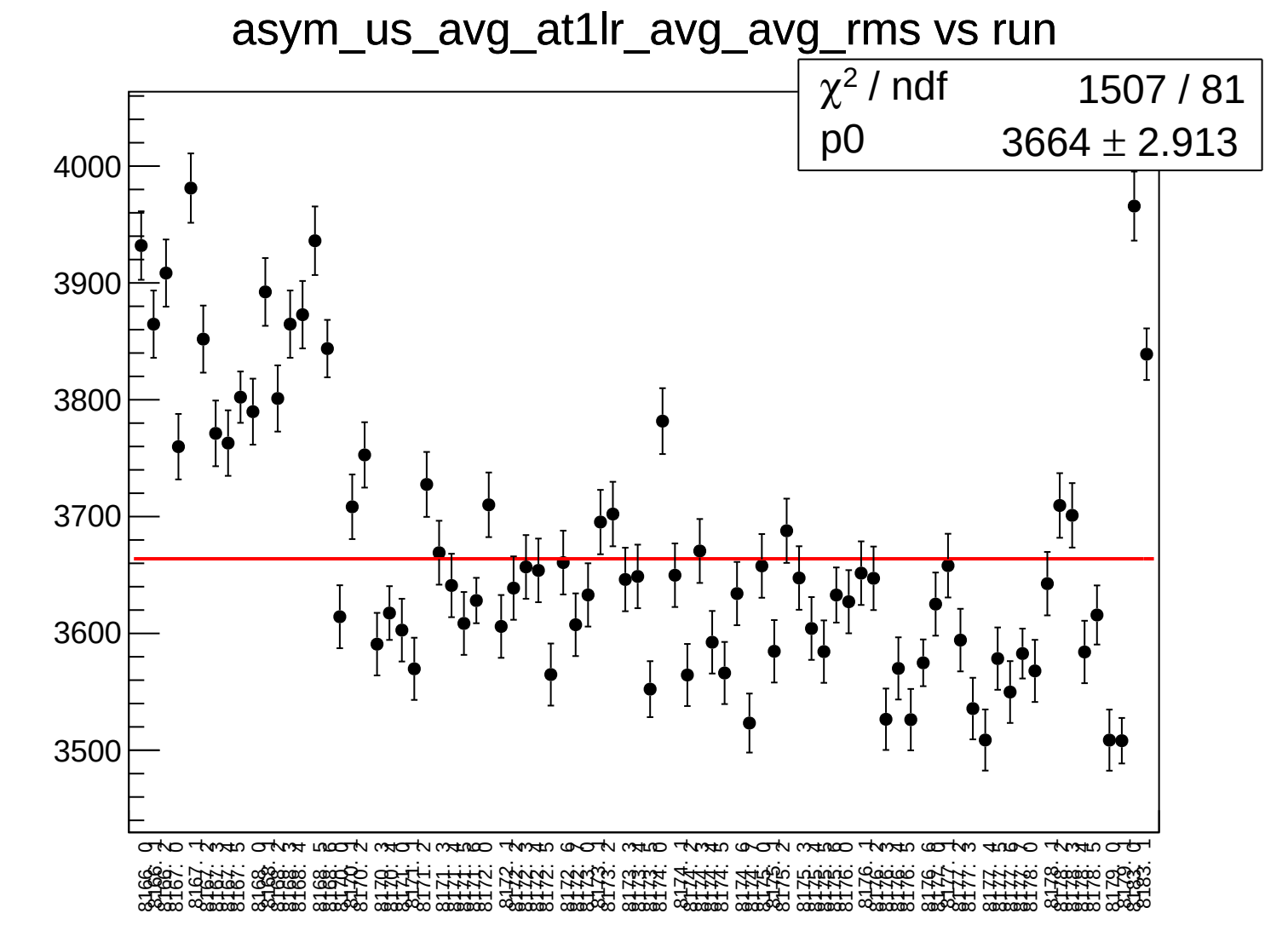

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.79 / 81
p0 −190.6 ± 3336
pull
Entries 82
Mean 5060
Std Dev 0

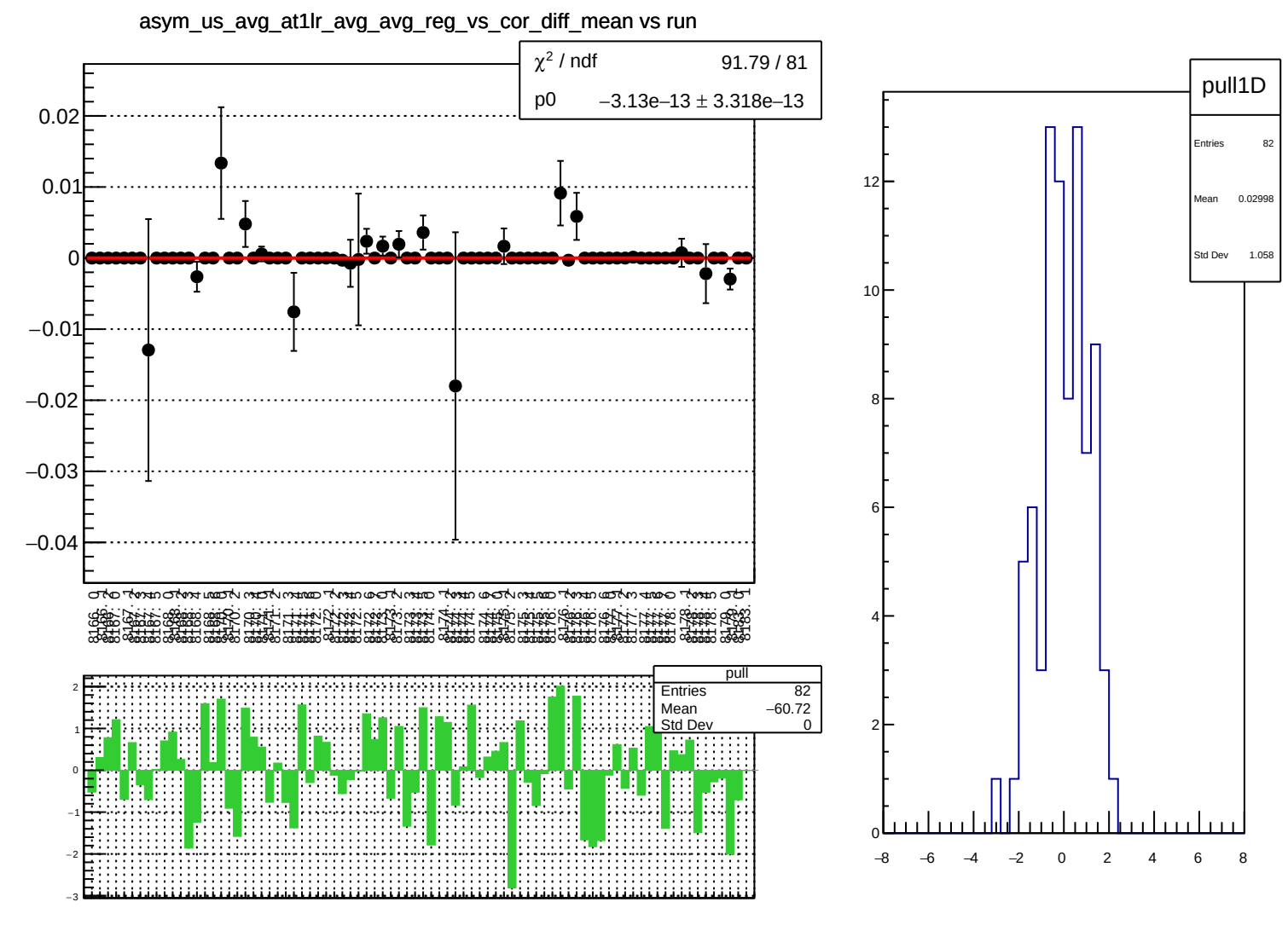

pull1D
Entries 82
Mean −0.0002311
Std Dev 1.086

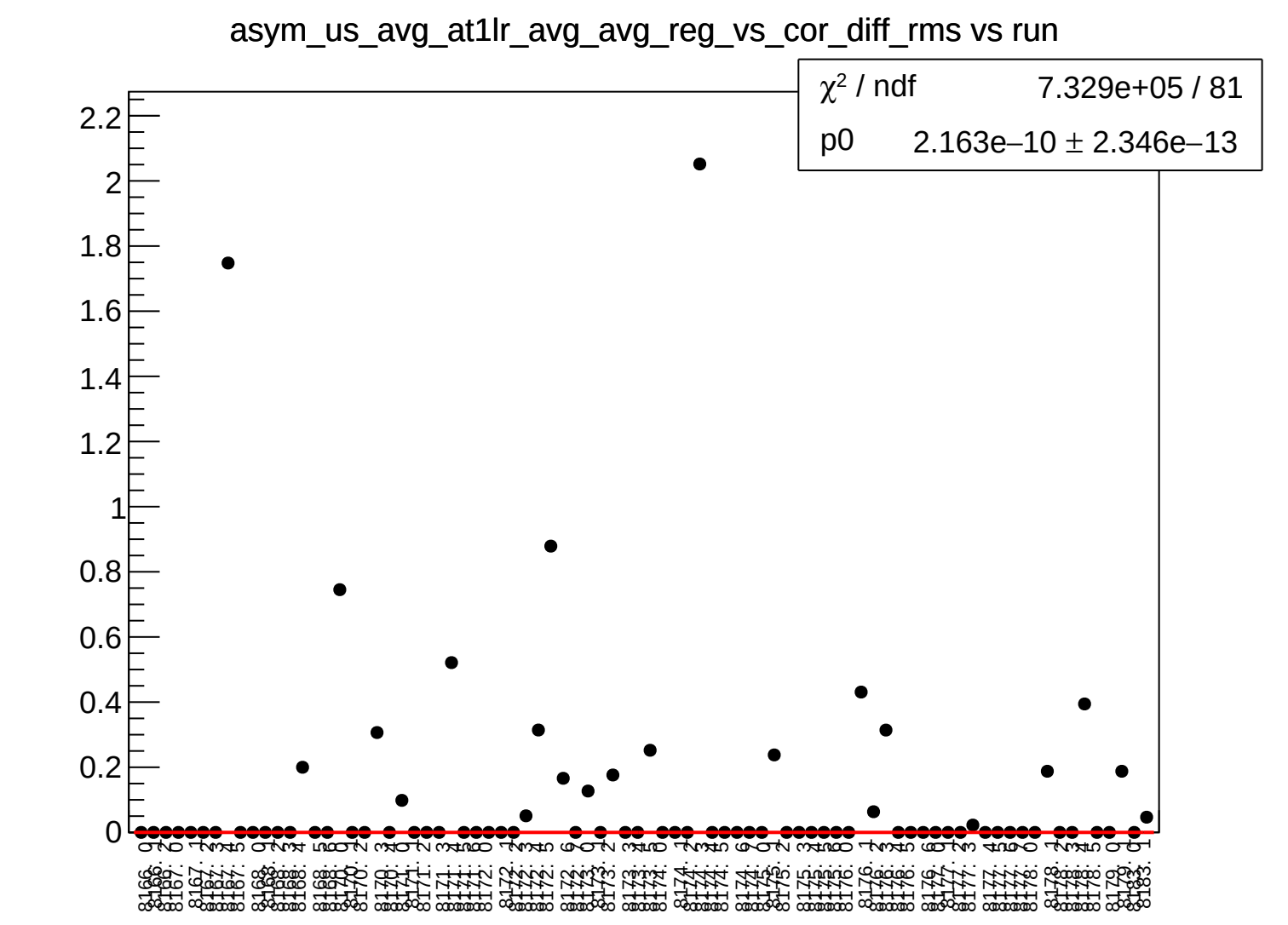

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1124 / 81
p0 2967 ± 2.359
3400
3300
3200
3100
3000
2900
2800

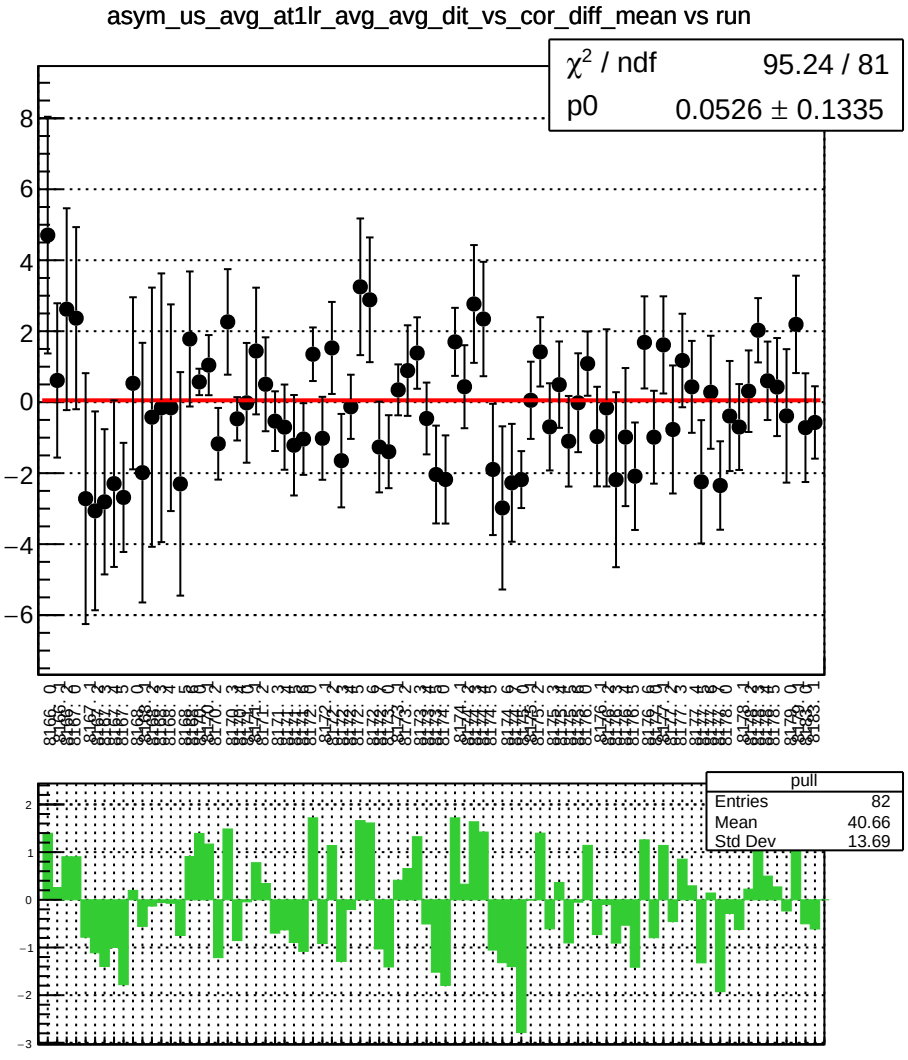

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 103 / 81
p0 3803 ± 4120
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 36.63
Std Dev 14.74
3
2
1
0
−1
−2
−3

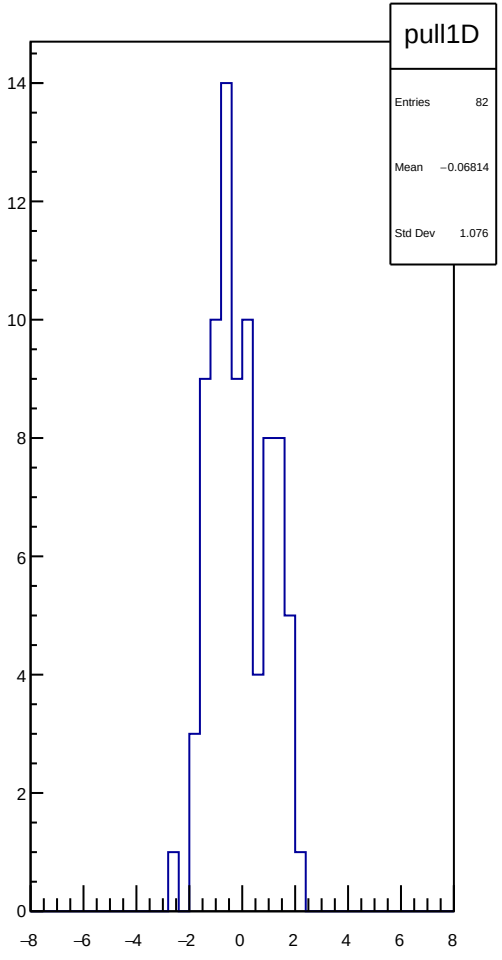

pull1D
Entries 82
Mean −0.01648
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

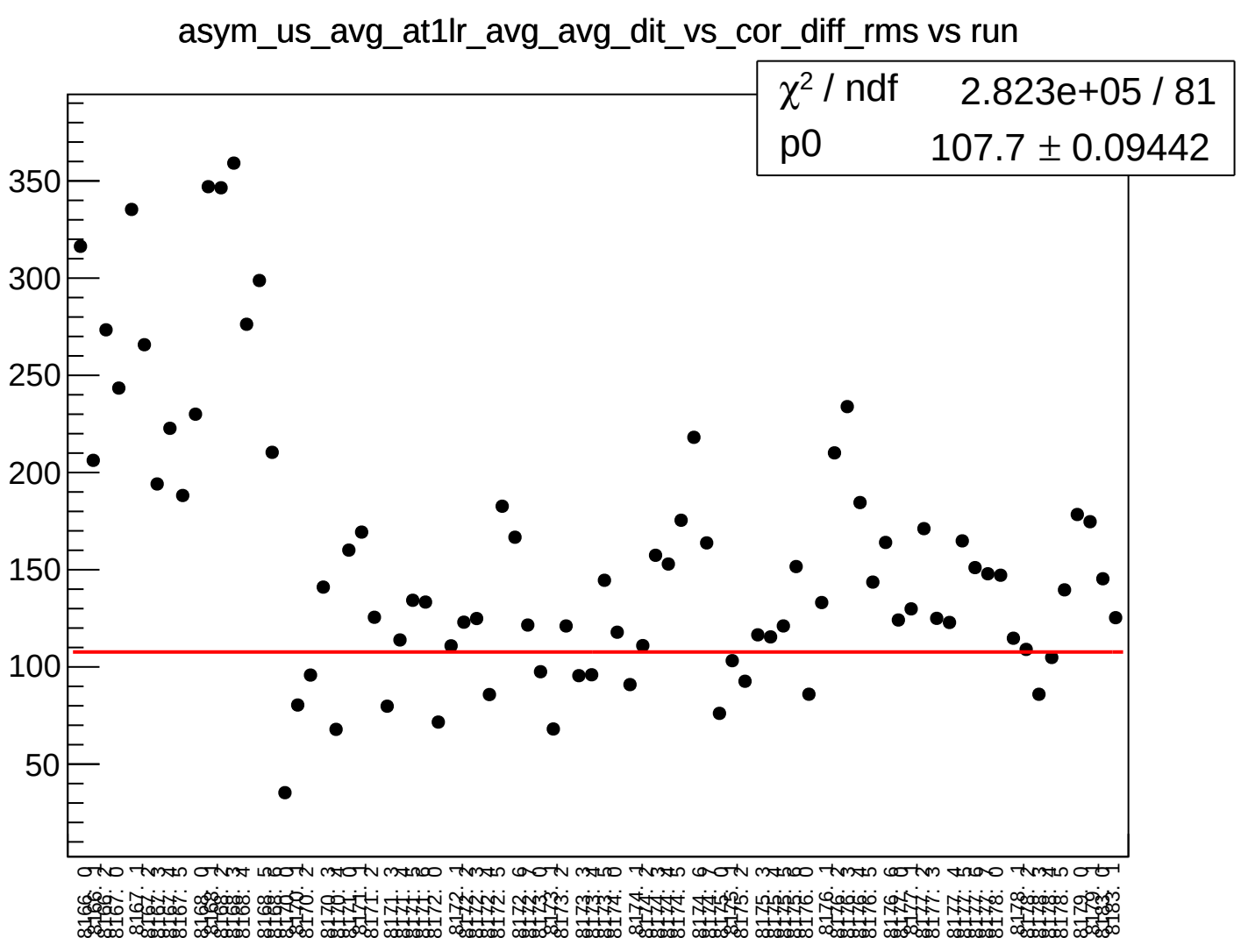

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 1507 / 81
p0 3664 ± 2.913
4000
3900
3800
3700
3600
3500

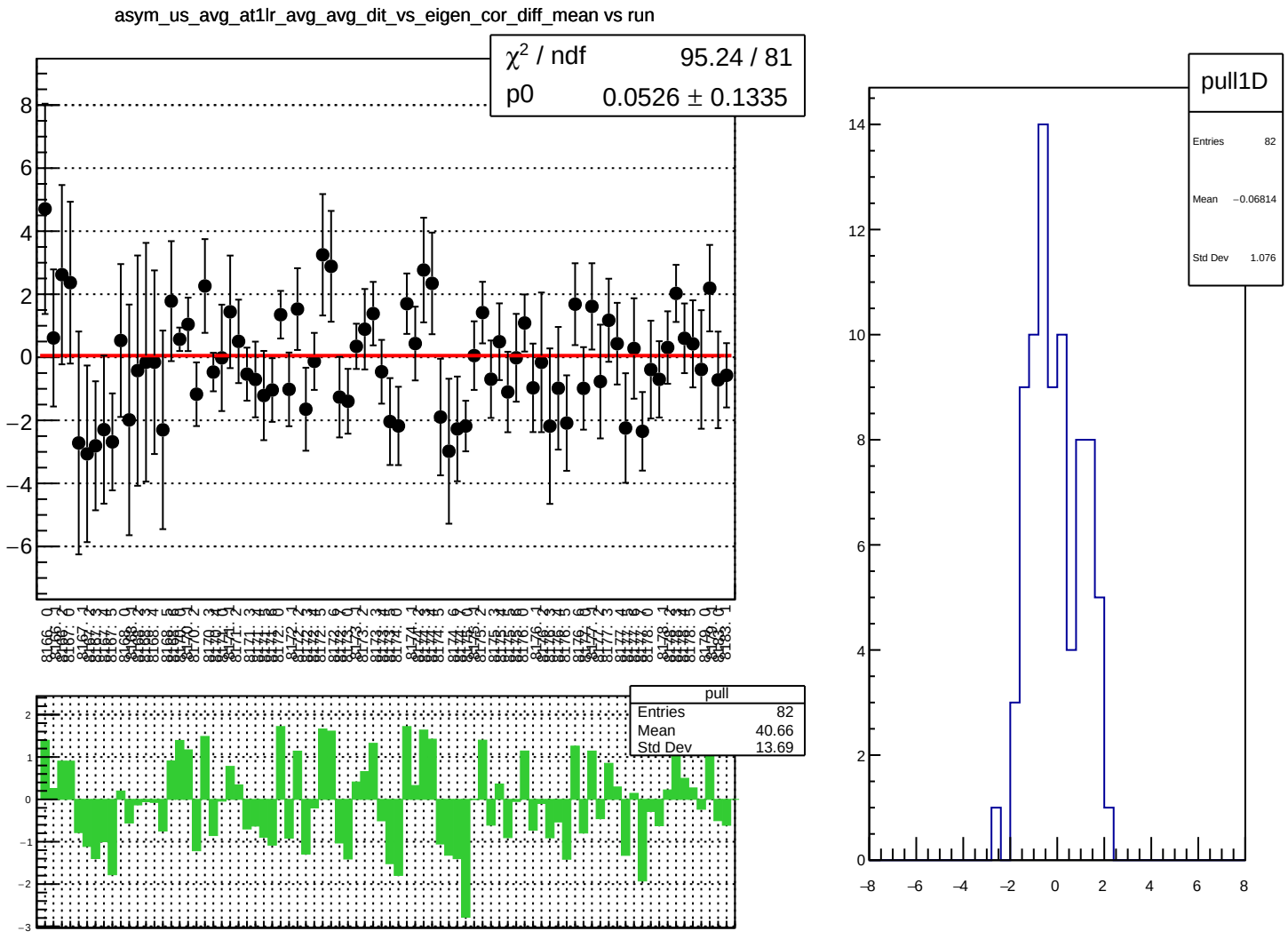

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.79 / 81
p0 −3.13e−13 ± 3.318e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 82
Mean −60.72
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.02998
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

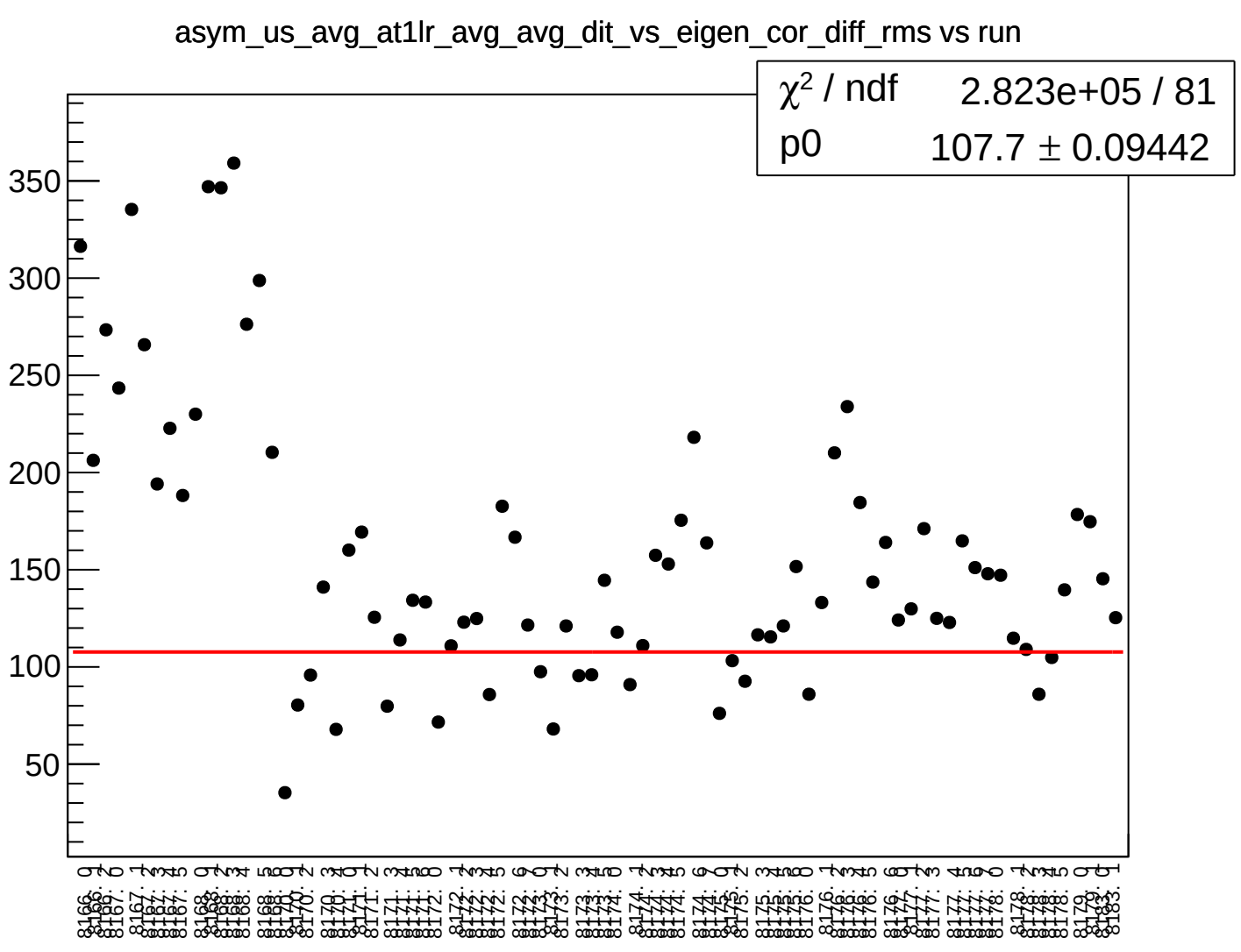

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.329e+05 / 81
p0 2.163e−10 ± 2.346e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

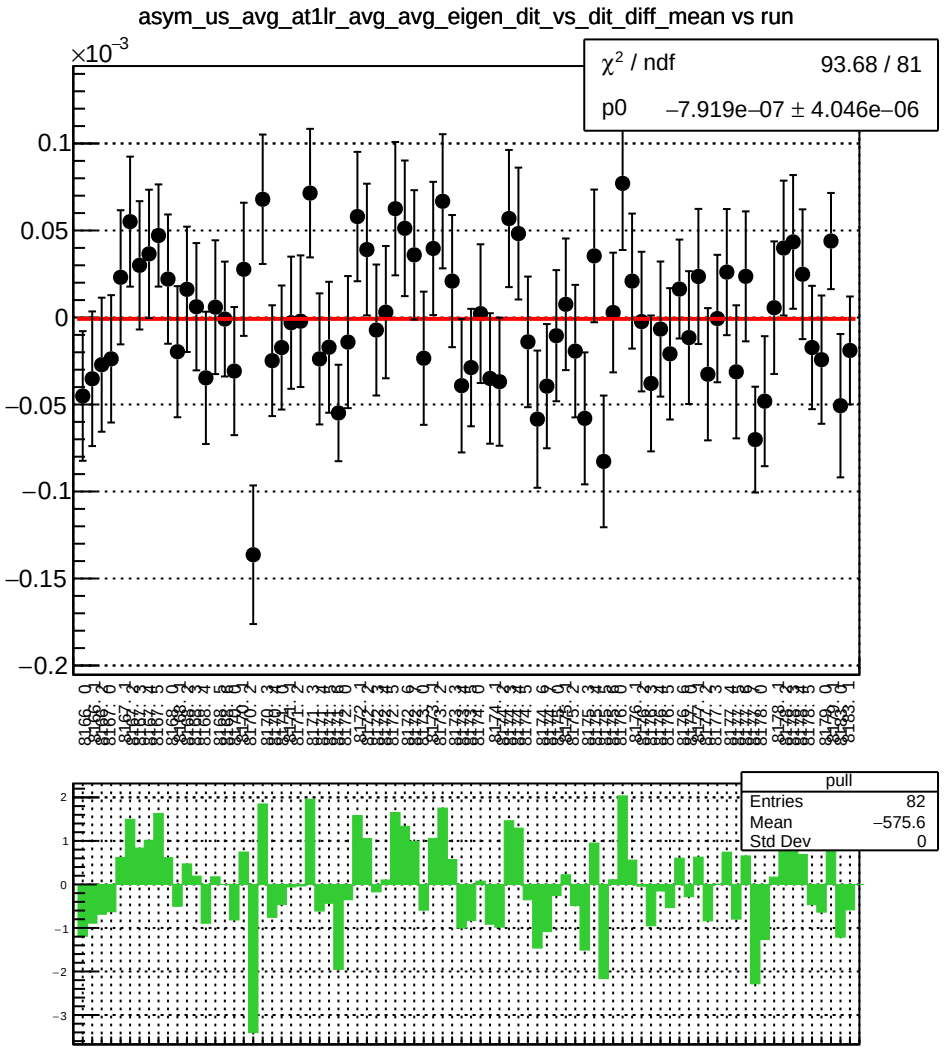

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 95.24 / 81
p0 0.0526 ± 0.1335
pull
Entries 82
Mean 40.66
Std Dev 13.69

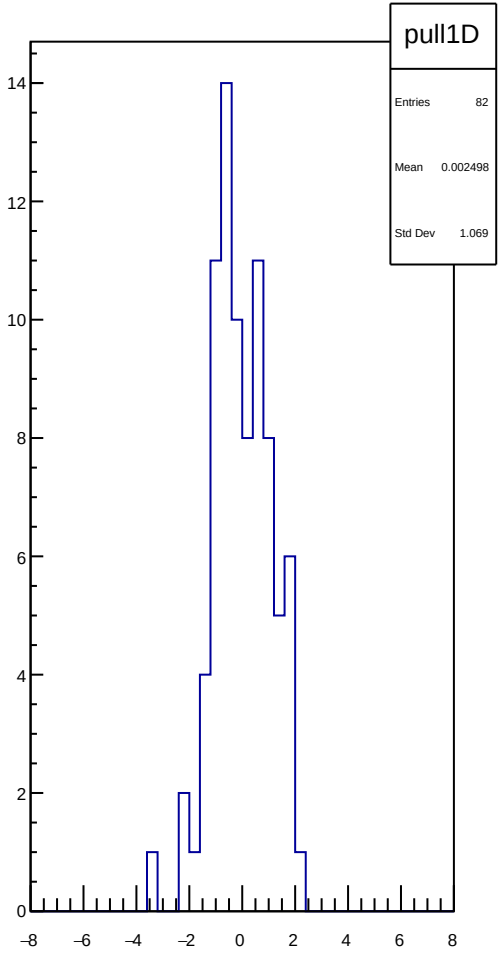

pull1D
Entries 82
Mean −0.06814
Std Dev 1.076

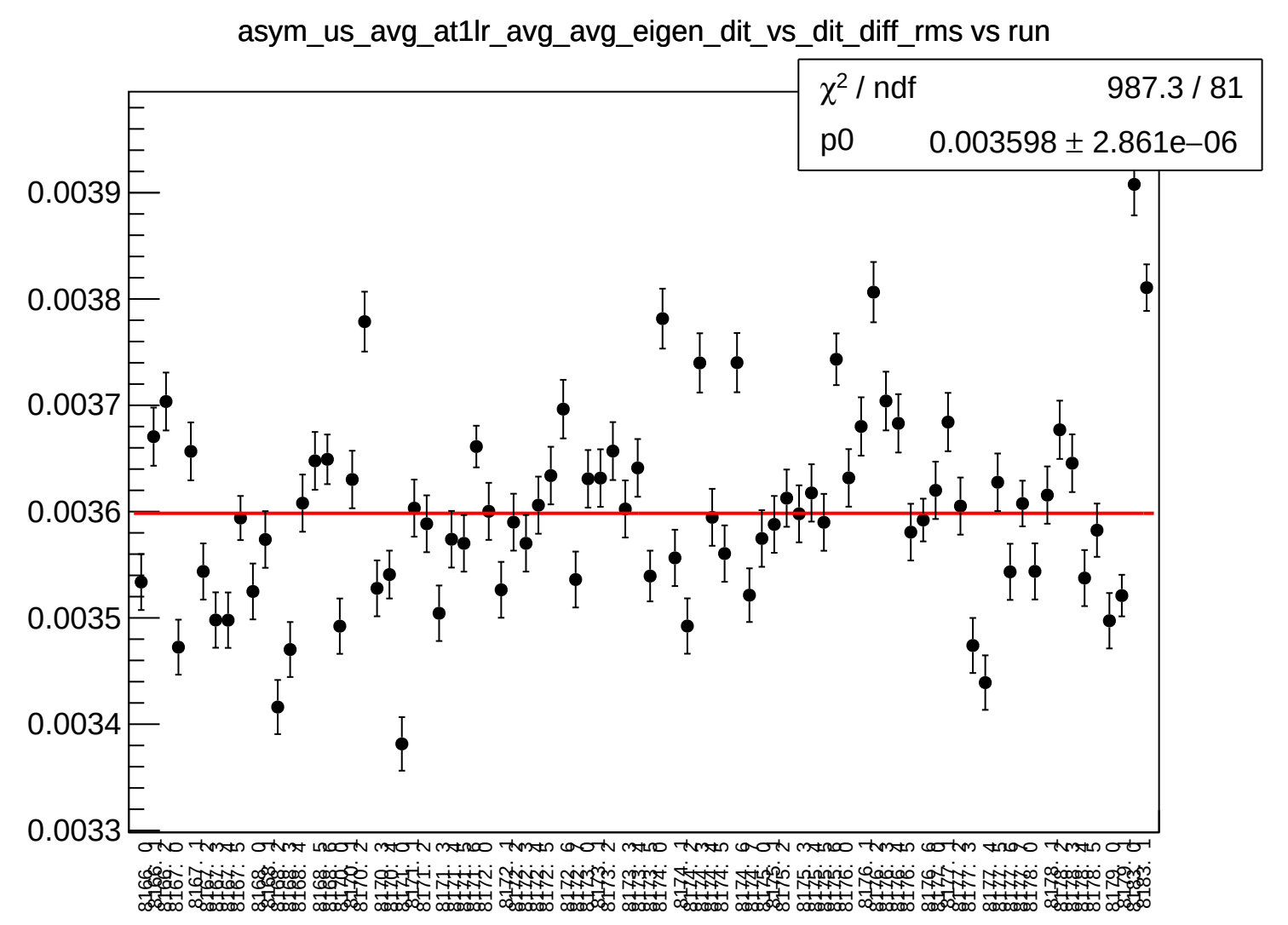

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.823e+05 / 81
p0 107.7 ± 0.09442
350
300
250
200
150
100
50

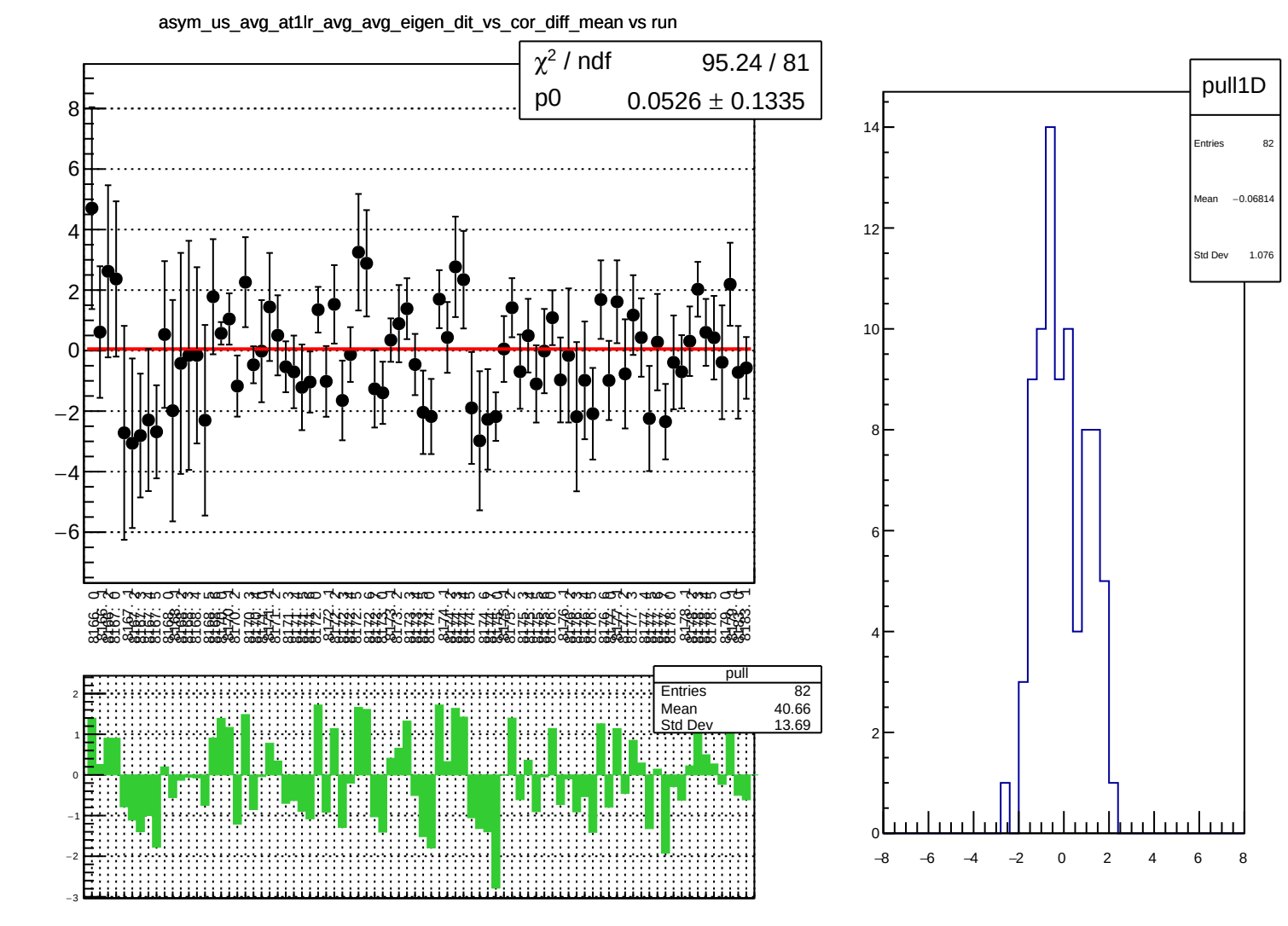

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 95.24 / 81
p0 0.0526 ± 0.1335
pull
Entries 82
Mean 40.66
Std Dev 13.69
pull1D
Entries 82
Mean −0.06814
Std Dev 1.076

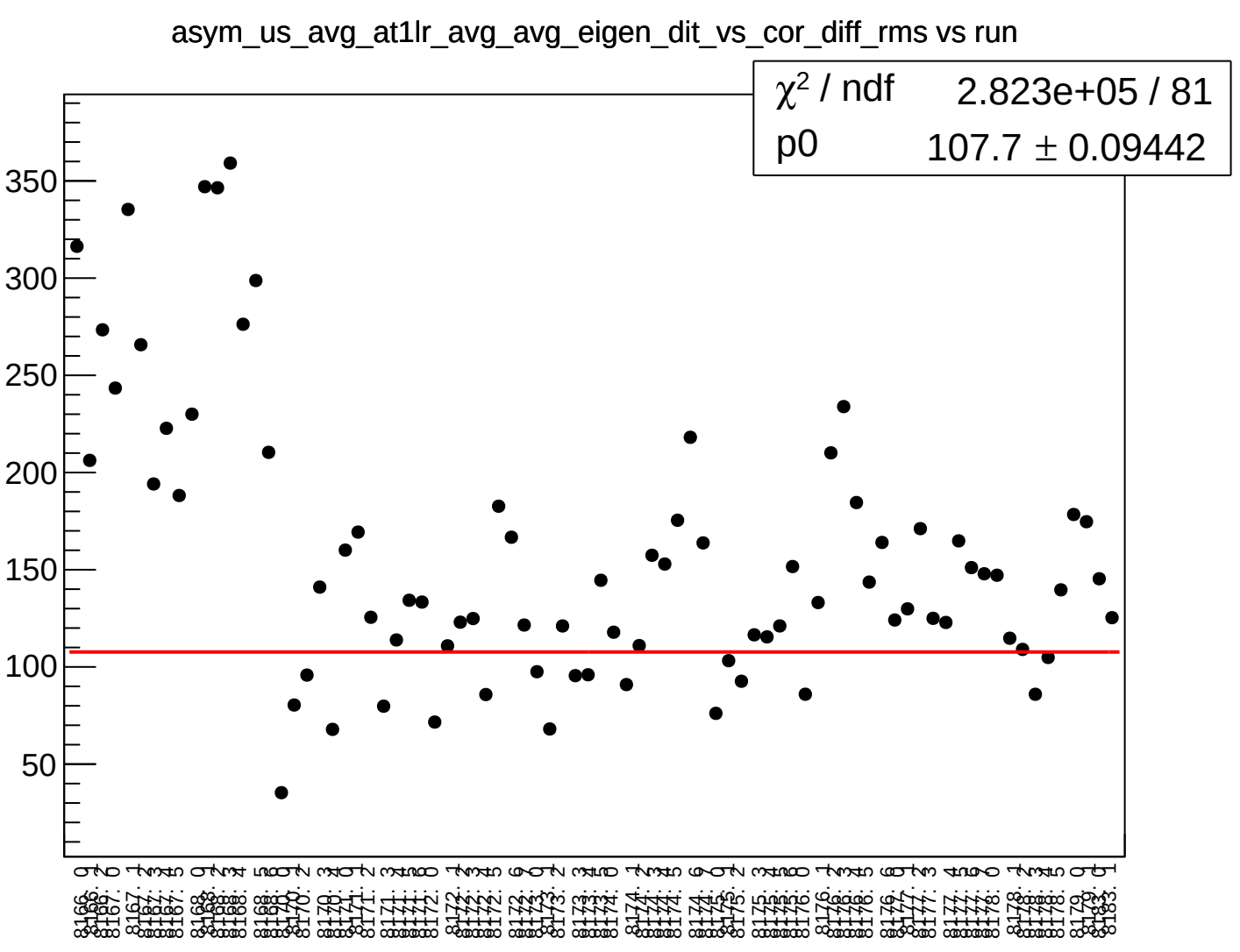

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.823e+05 / 81
p0 107.7 ± 0.09442
350
300
250
200
150
100
50


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.68 / 81
p0 −7.919e−07 ± 4.046e−06
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 82
Mean −575.6
Std Dev 0
2
1
0
−1
−2
−3

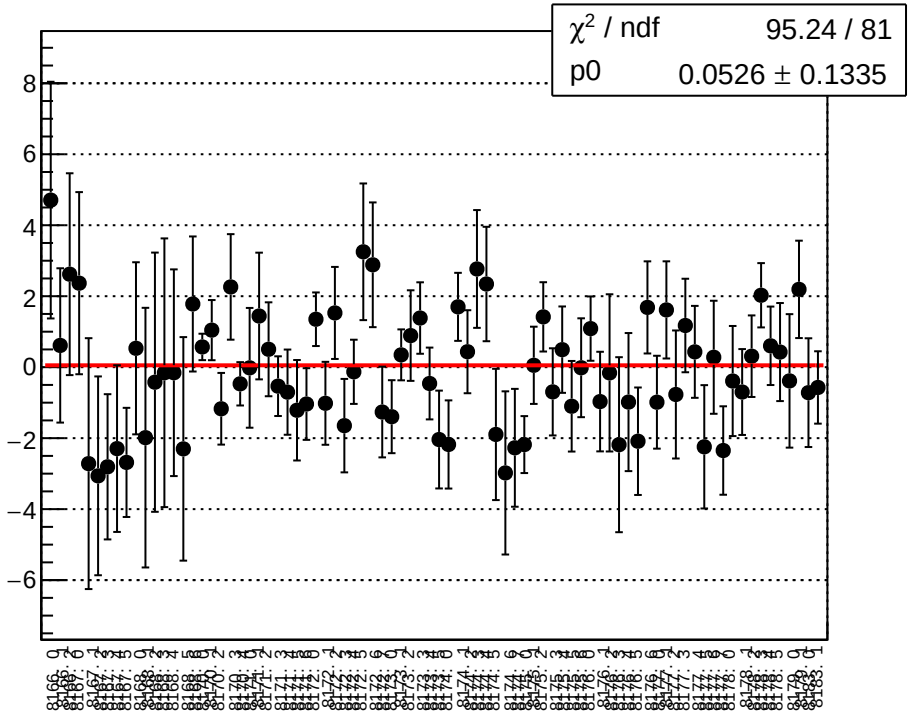

pull1D
Entries 82
Mean 0.002498
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

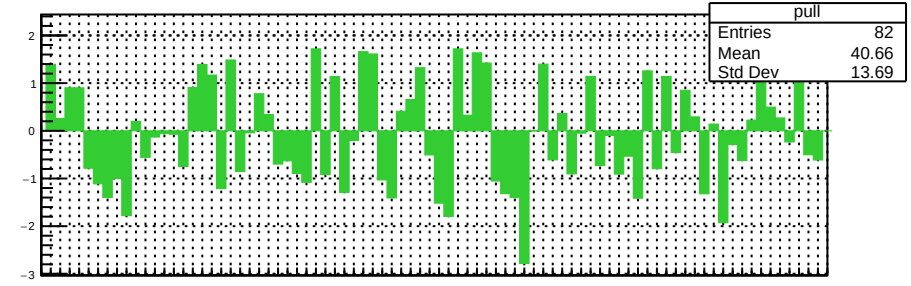

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 987.3 / 81
p0 0.003598 ± 2.861e−06
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033

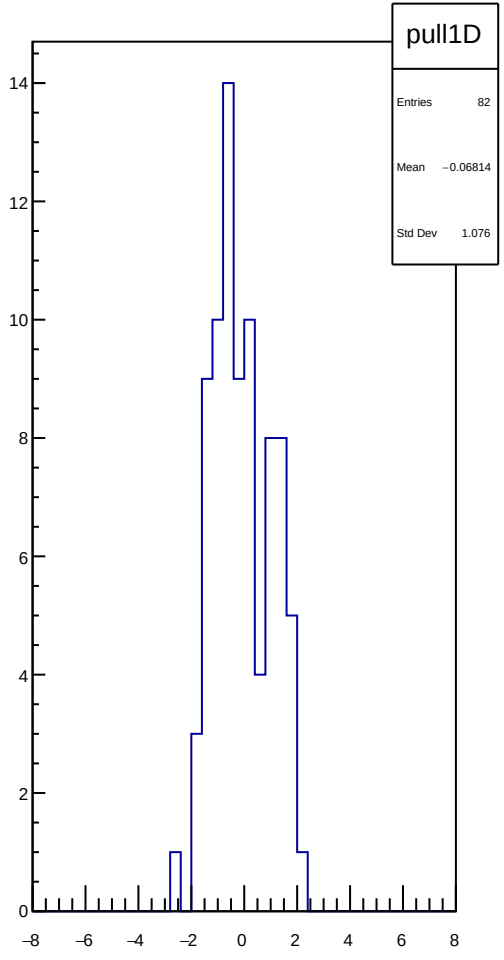

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 95.24 / 81
p0 0.0526 ± 0.1335
pull
Entries 82
Mean 40.66
Std Dev 13.69
pull1D
Entries 82
Mean −0.06814
Std Dev 1.076

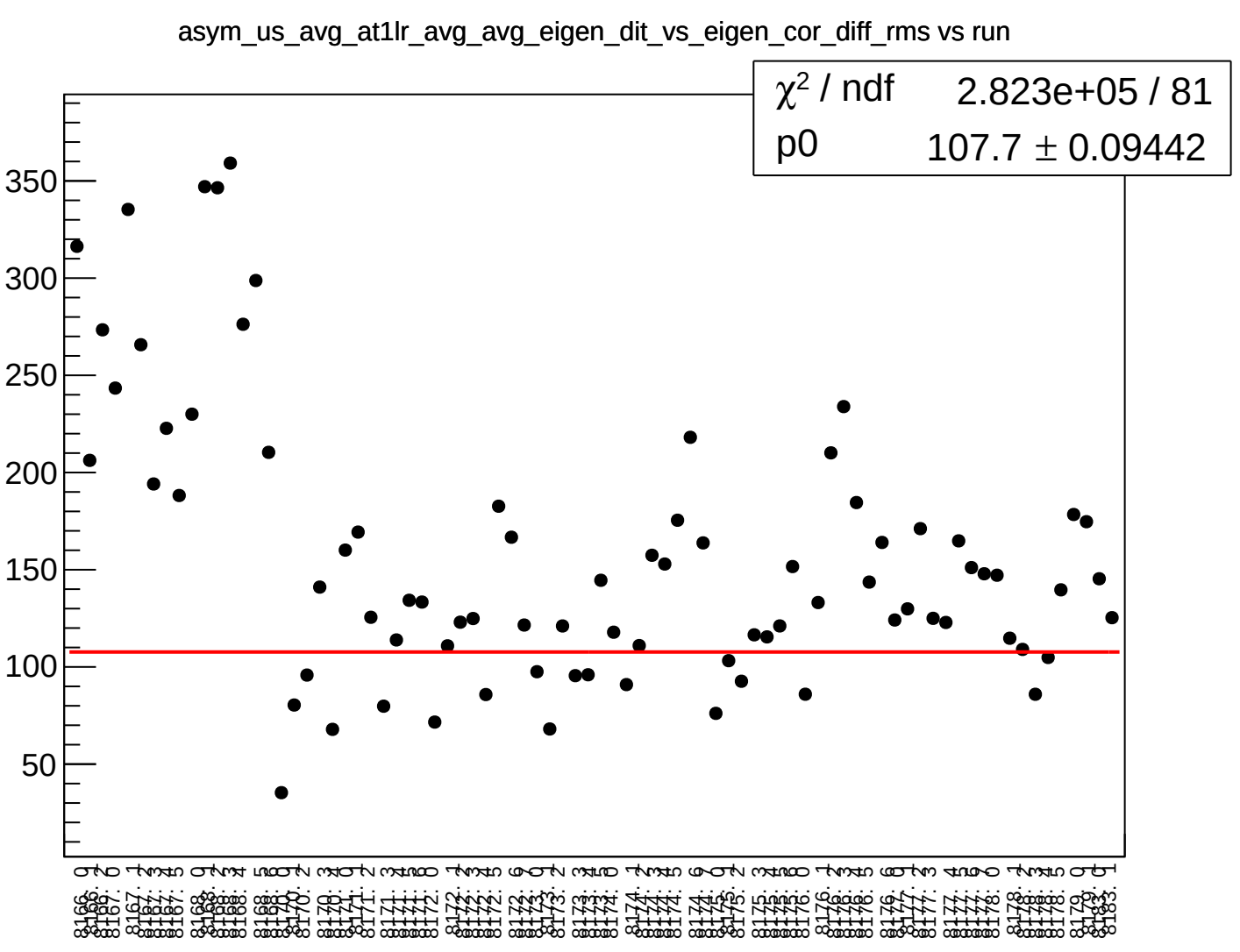

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.823e+05 / 81
p0 107.7 ± 0.09442
350
300
250
200
150
100
50

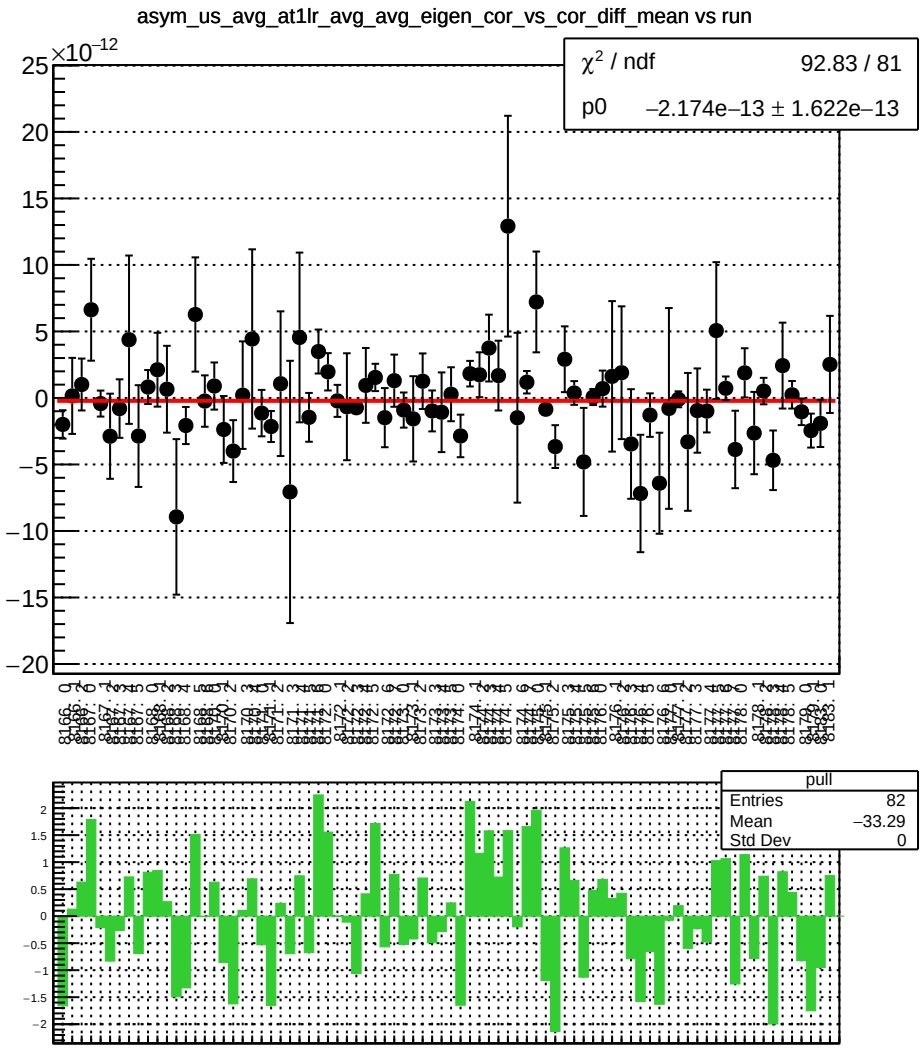
asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

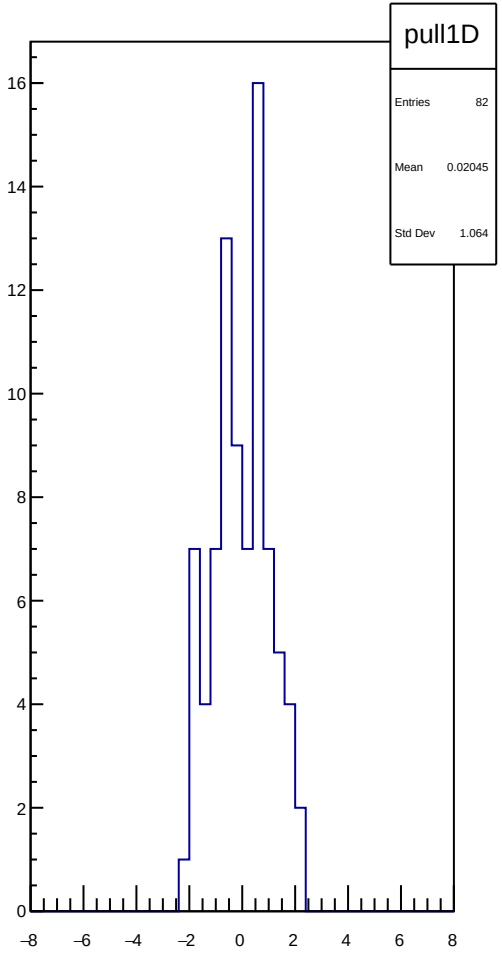


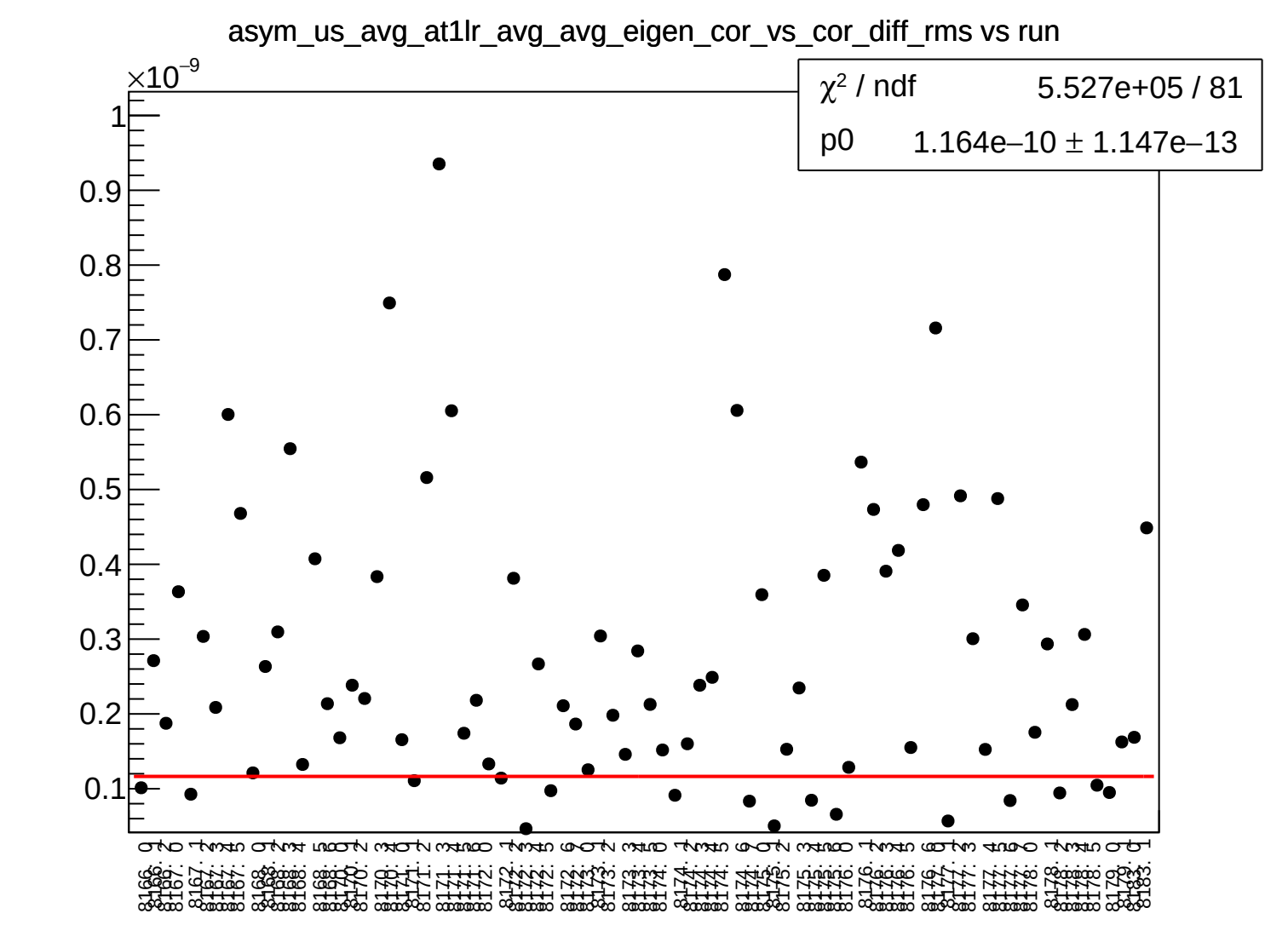


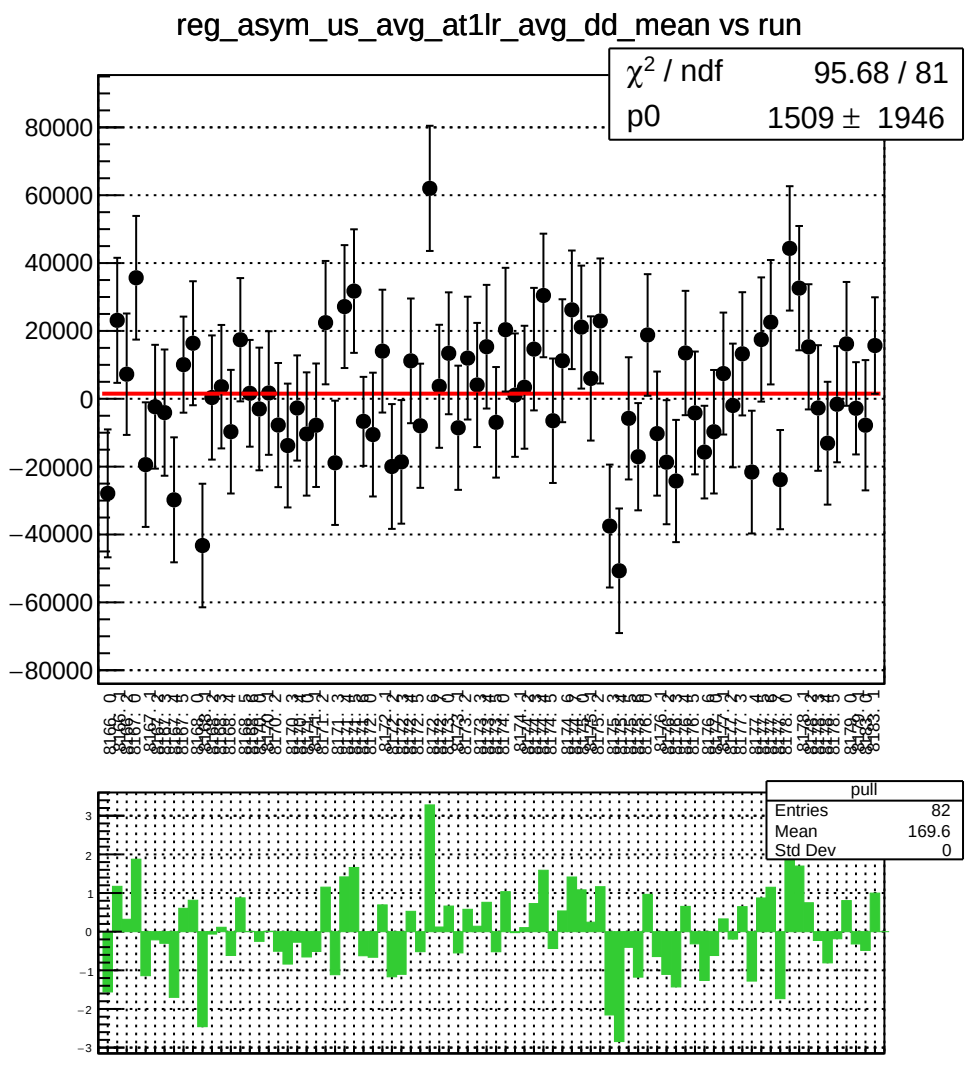


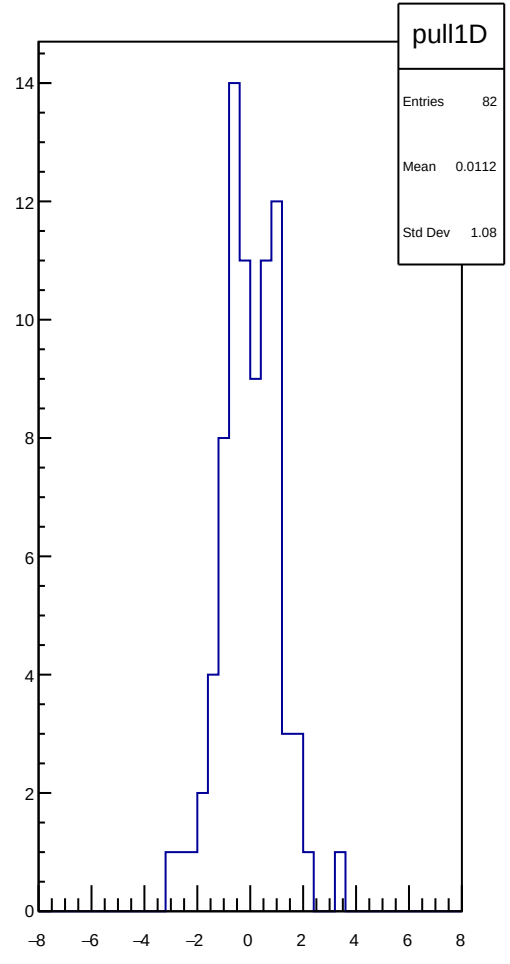

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.823e+05 / 81
p0 107.7 ± 0.09442
350
300
250
200
150
100
50

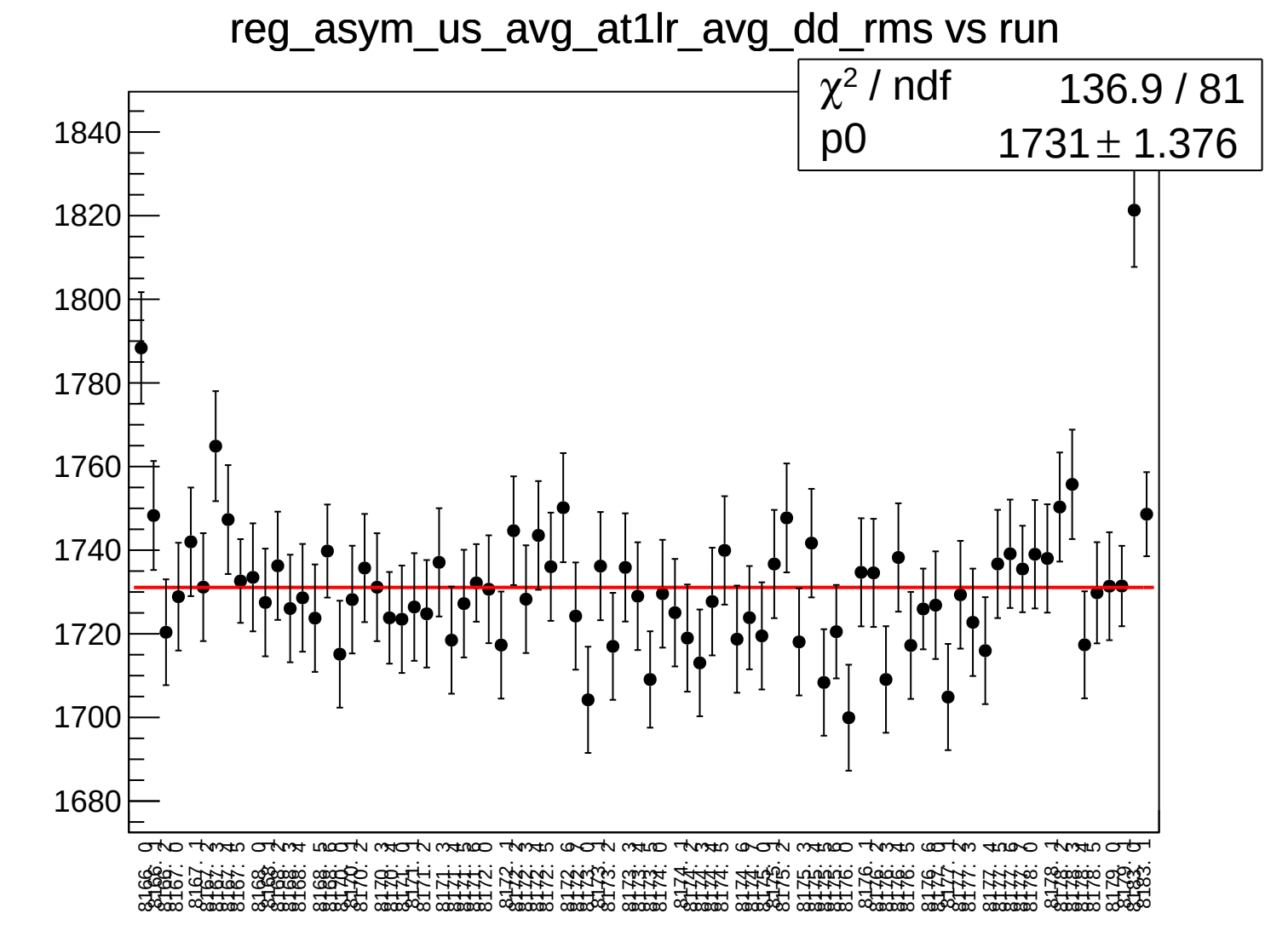

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 92.83 / 81
p0 −2.174e−13 ± 1.622e−13
pull
Entries 82
Mean −33.29
Std Dev 0

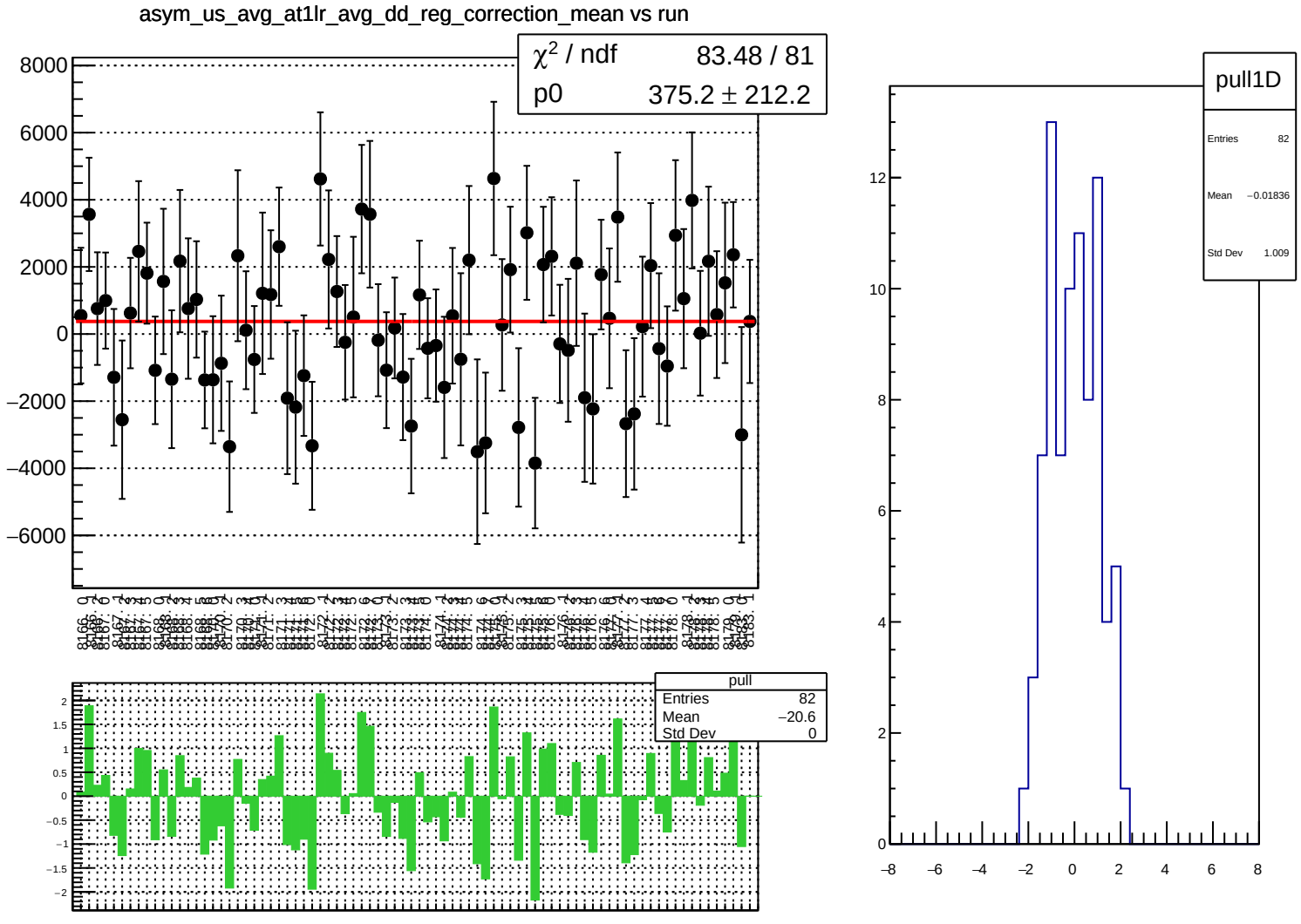

pull1D
Entries 82
Mean 0.02045
Std Dev 1.064

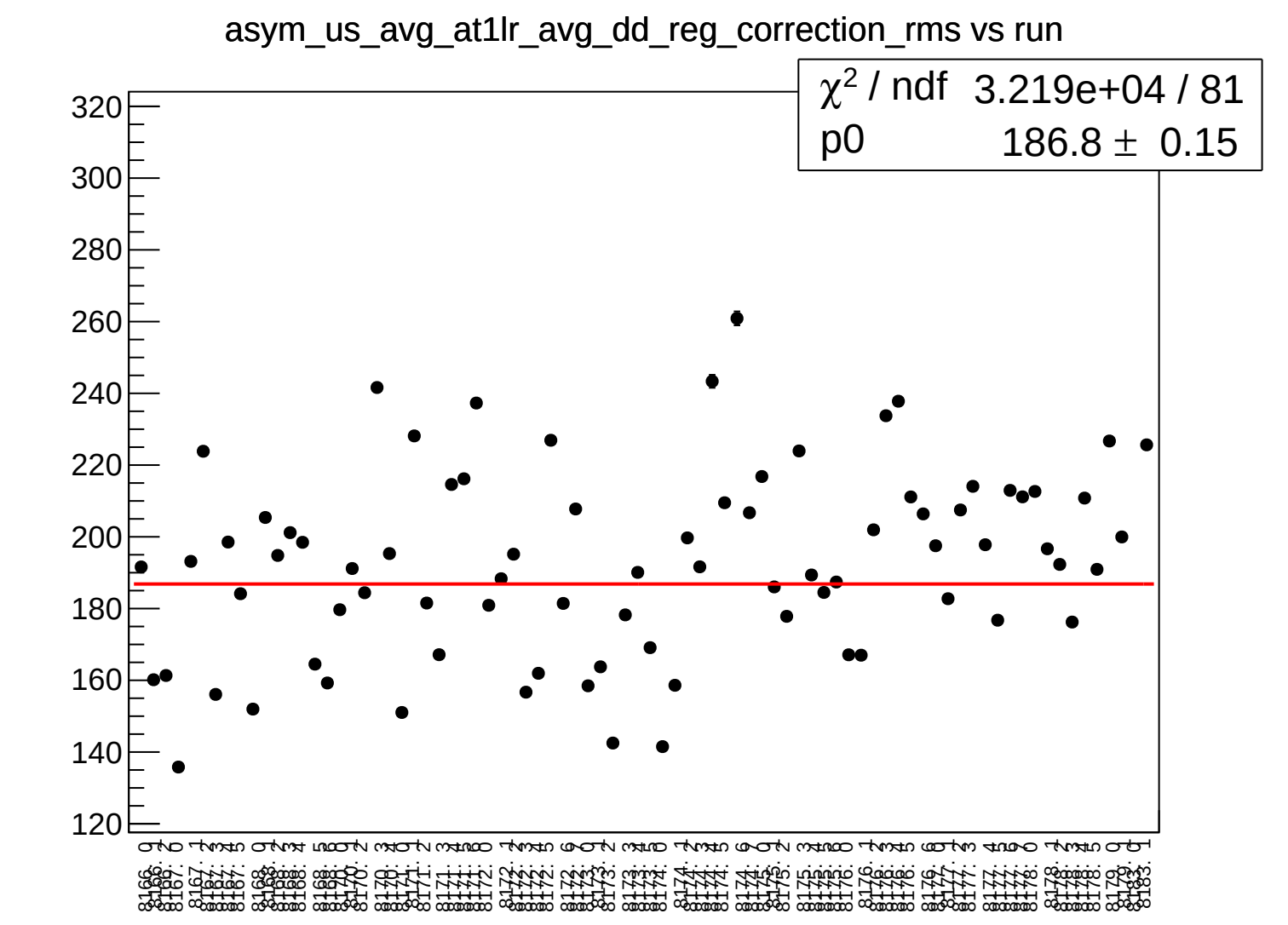

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.527e+05 / 81
p0 1.164e−10 ± 1.147e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

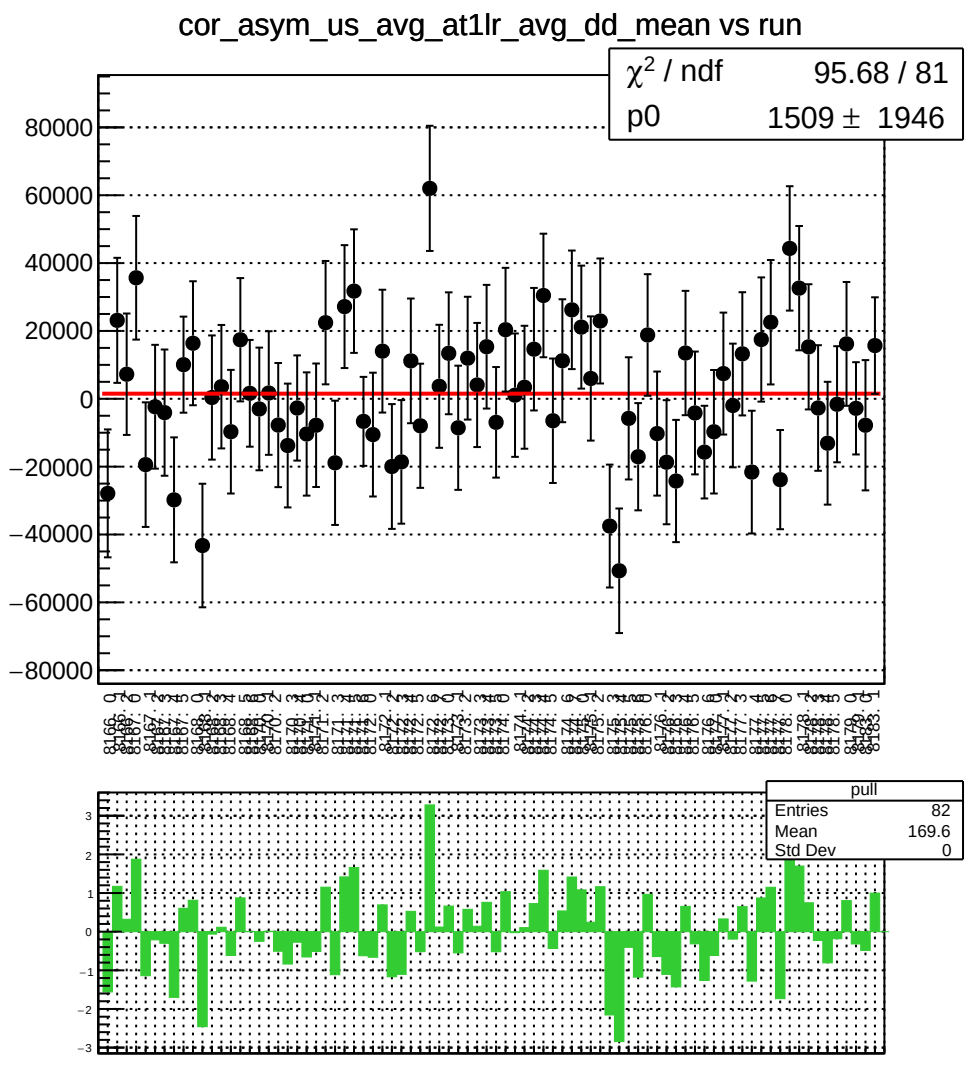

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 95.68 / 81
p0 1509 ± 1946
pull
Entries 82
Mean 169.6
Std Dev 0

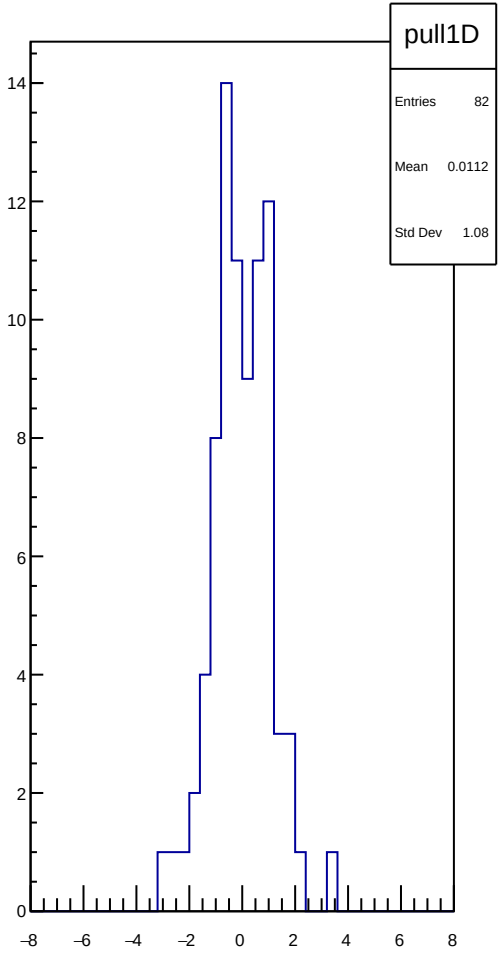

pull1D
Entries 82
Mean 0.0112
Std Dev 1.08

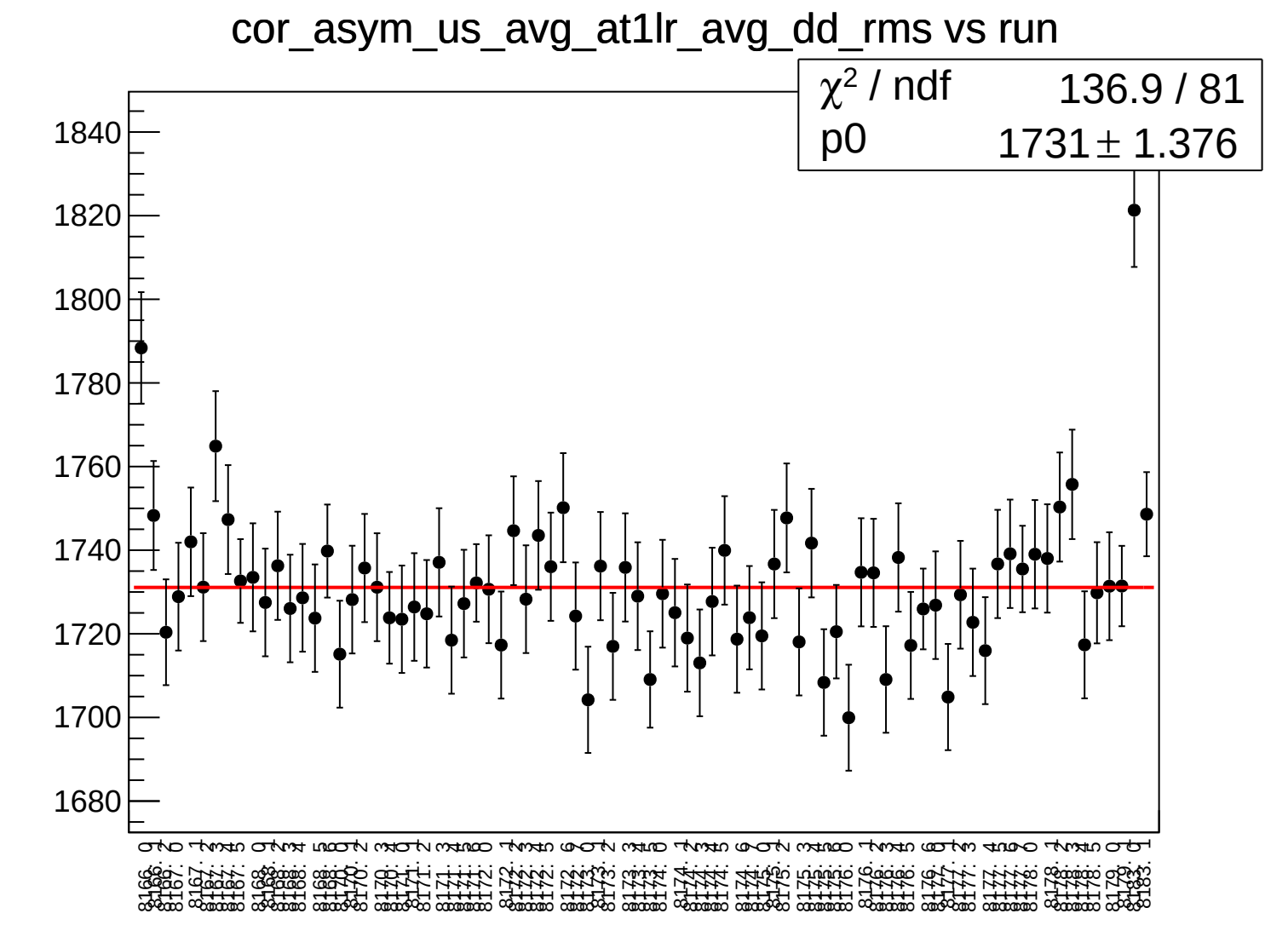

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 136.9 / 81
p0 1731 ± 1.376
1840
1820
1800
1780
1760
1740
1720
1700
1680

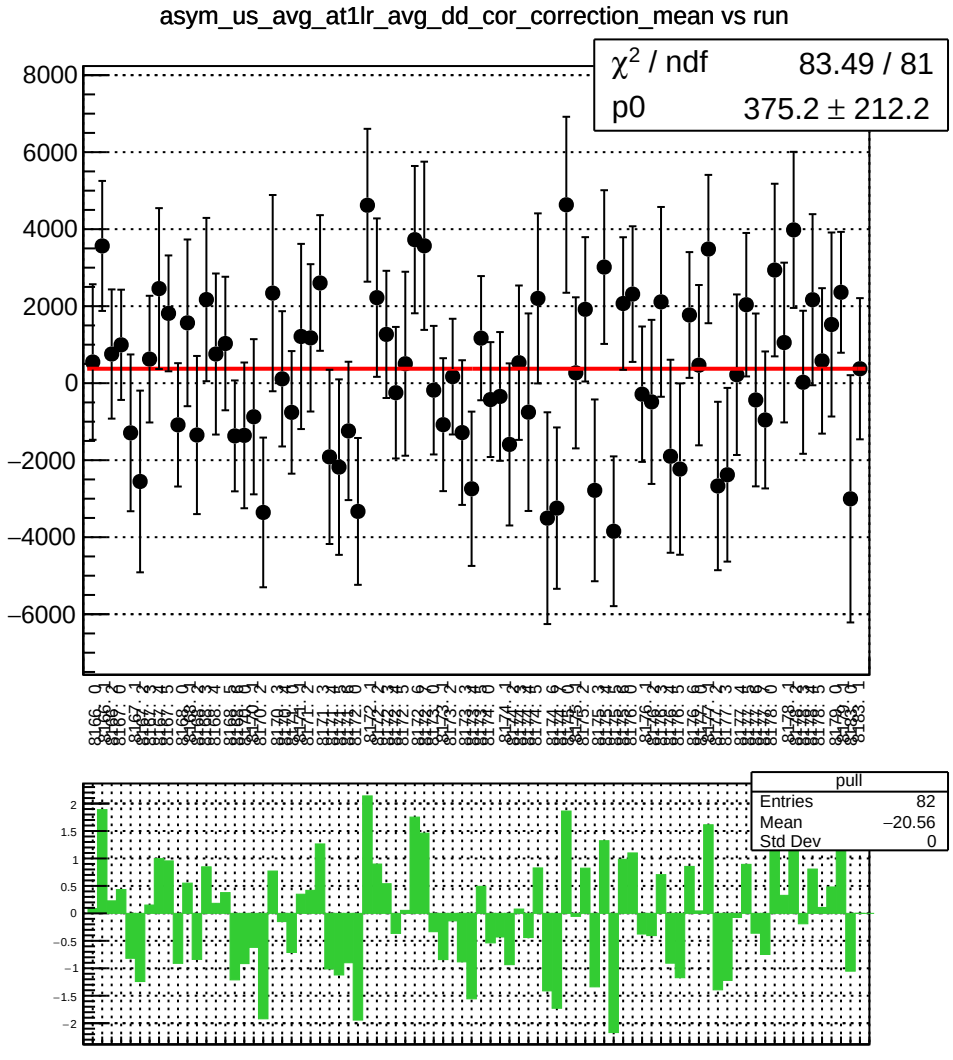

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 83.48 / 81
p0 375.2 ± 212.2
pull
Entries 82
Mean −20.6
Std Dev 0
pull1D
Entries 82
Mean −0.01836
Std Dev 1.009

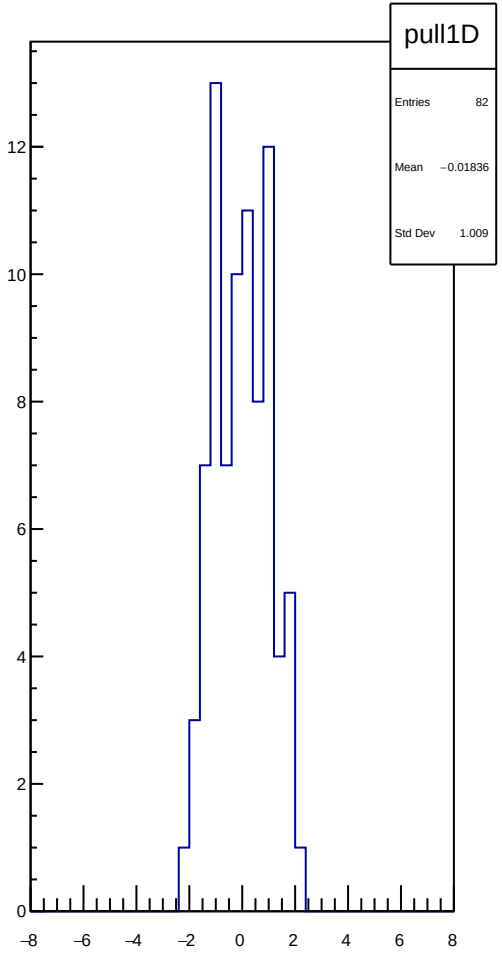

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 3.219e+04 / 81
p0 186.8 ± 0.15
320
300
280
260
240
220
200
180
160
140
120

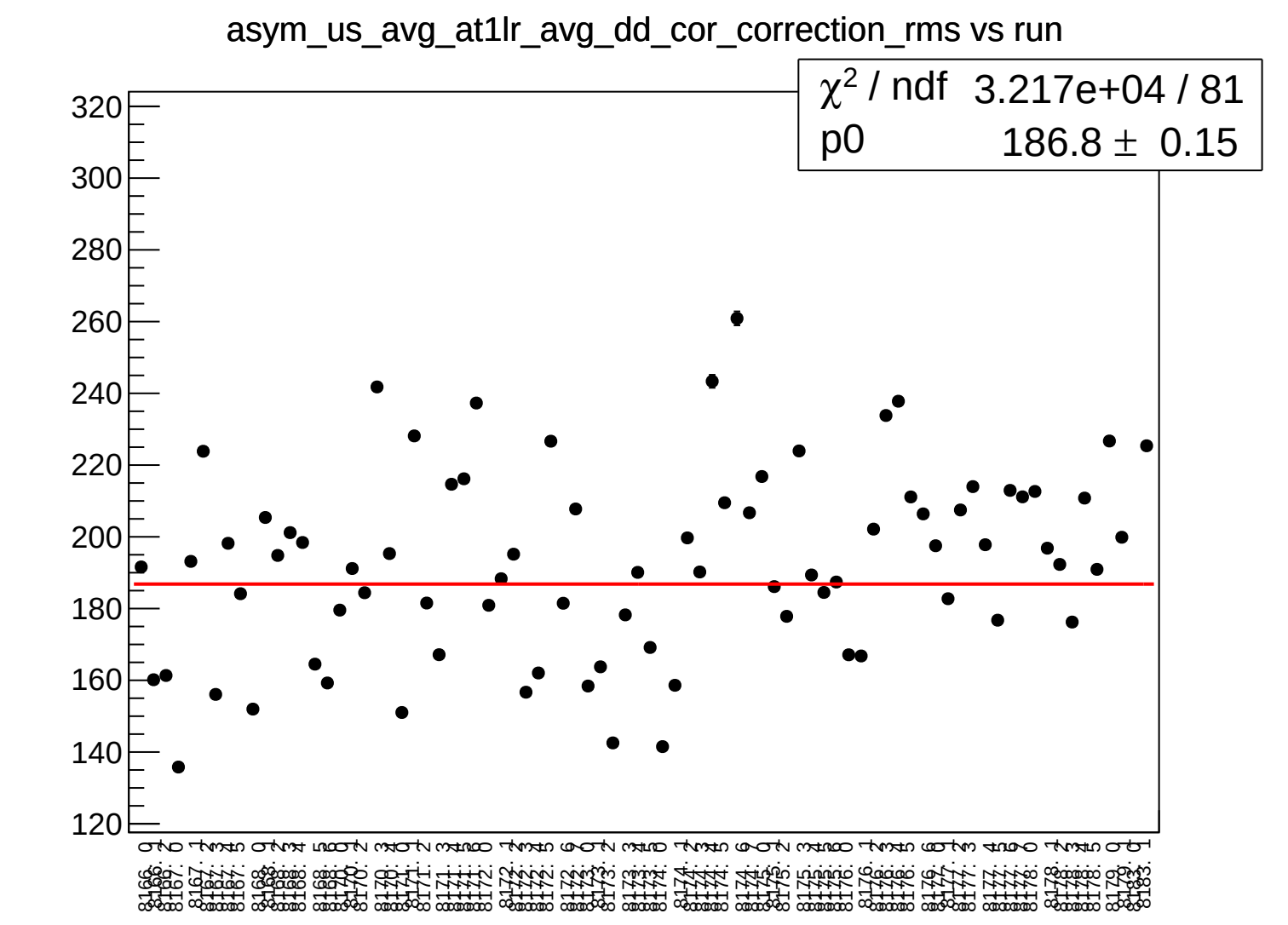

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 95.68 / 81
p0 1509 ± 1946
pull
Entries 82
Mean 169.6
Std Dev 0

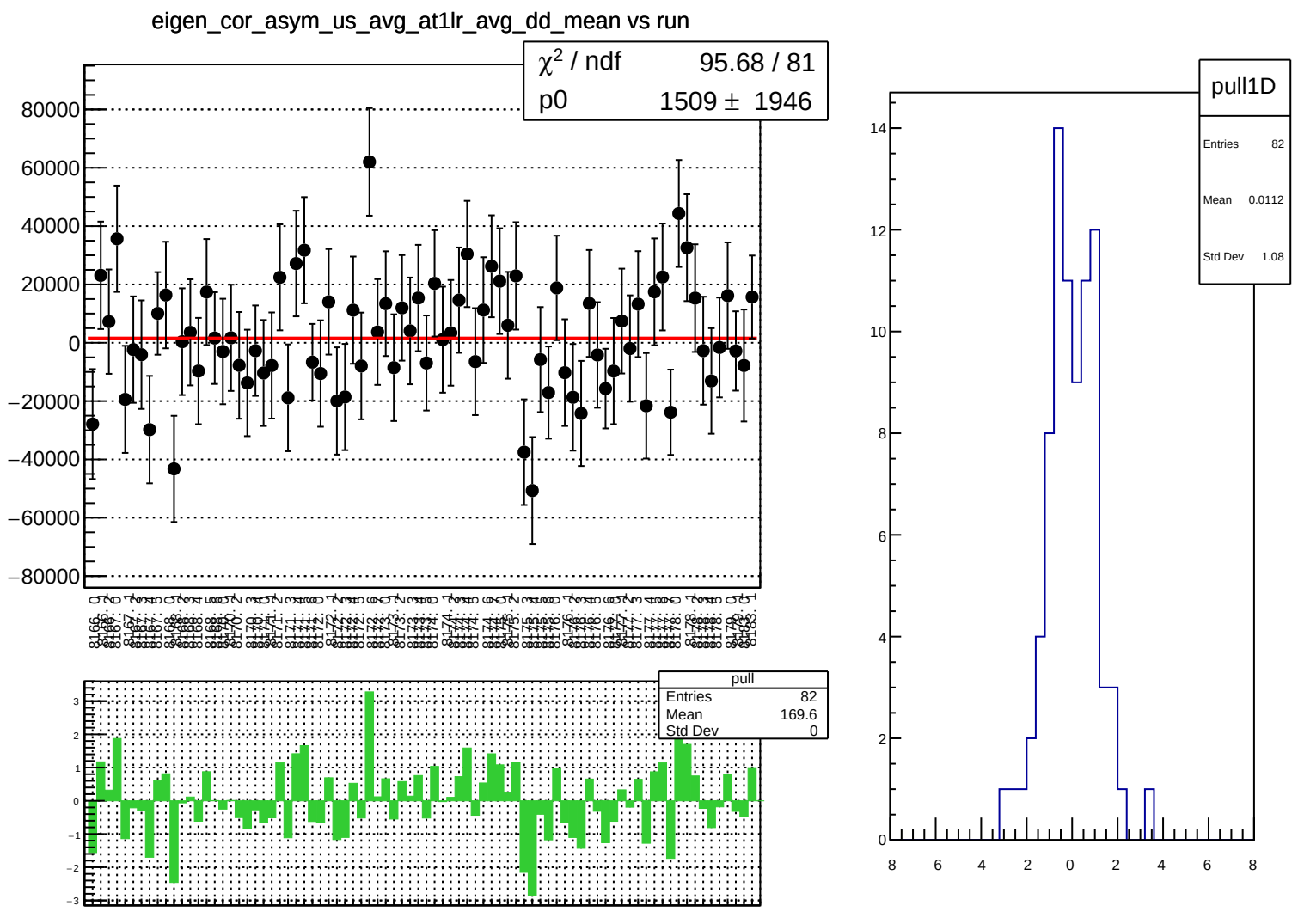

pull1D
Entries 82
Mean 0.0112
Std Dev 1.08

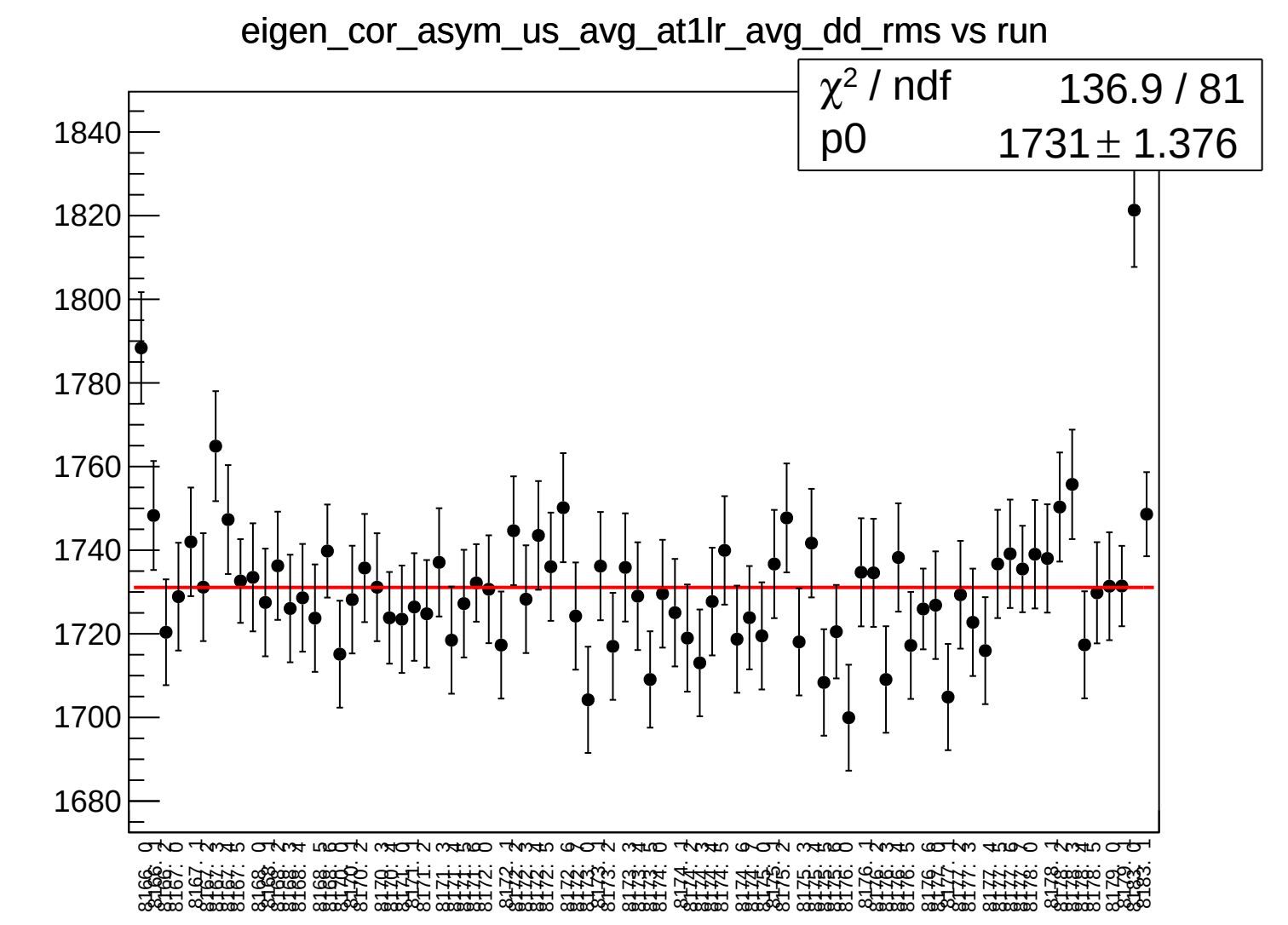

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 136.9 / 81
p0 1731 ± 1.376
1840
1820
1800
1780
1760
1740
1720
1700
1680

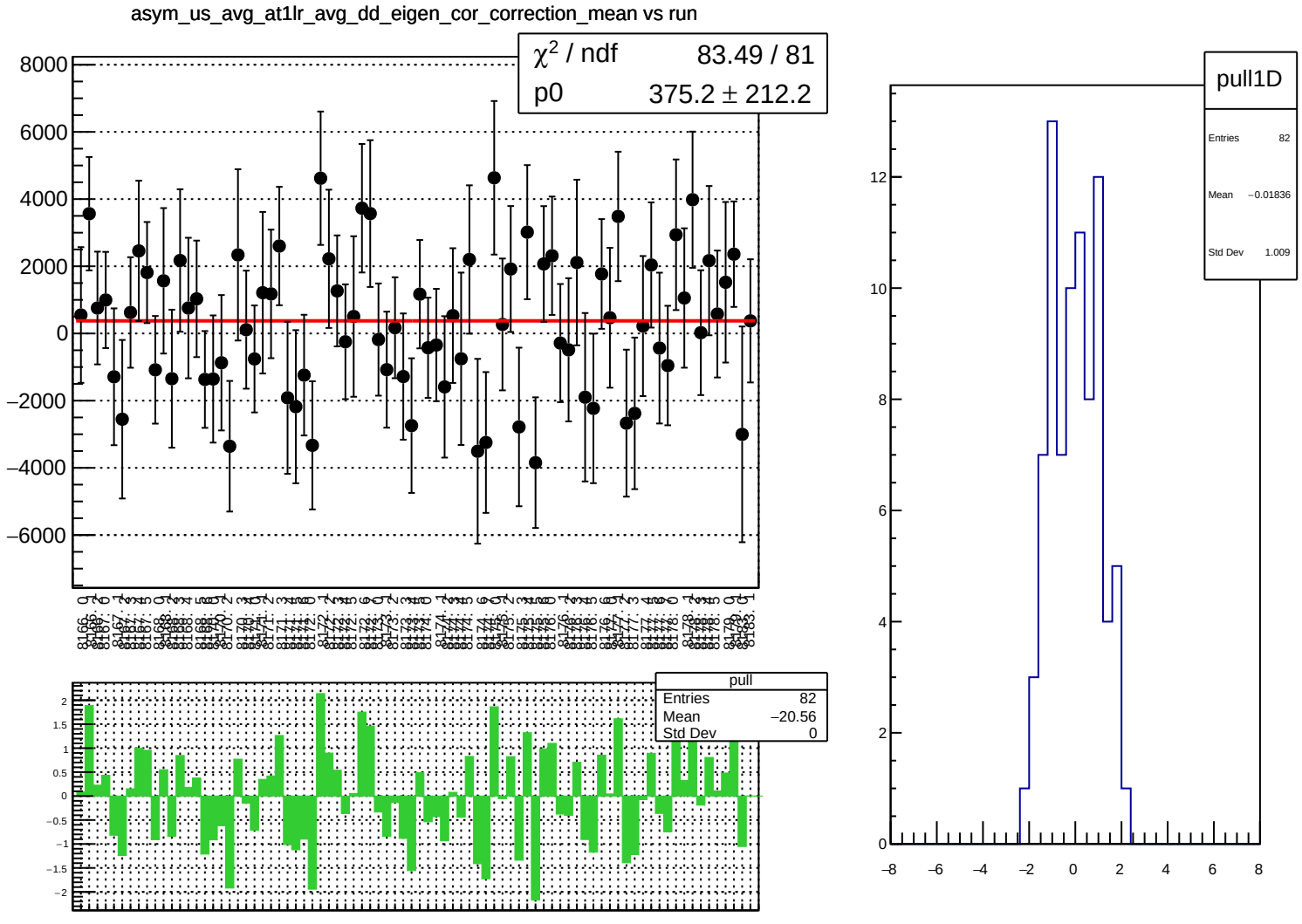

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 83.49 / 81
p0 375.2 ± 212.2
pull
Entries 82
Mean −20.56
Std Dev 0

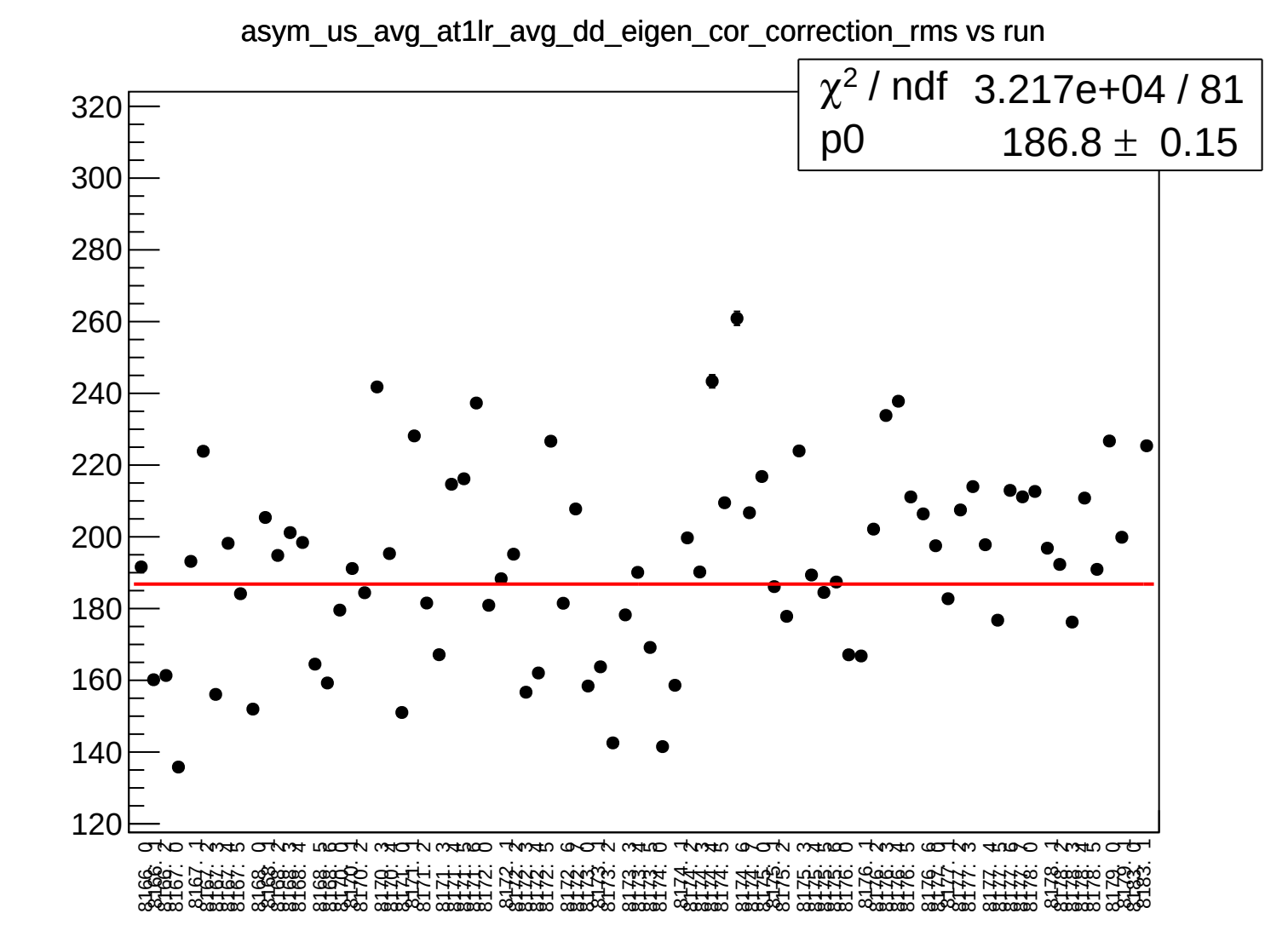

pull1D
Entries 82
Mean −0.01836
Std Dev 1.009

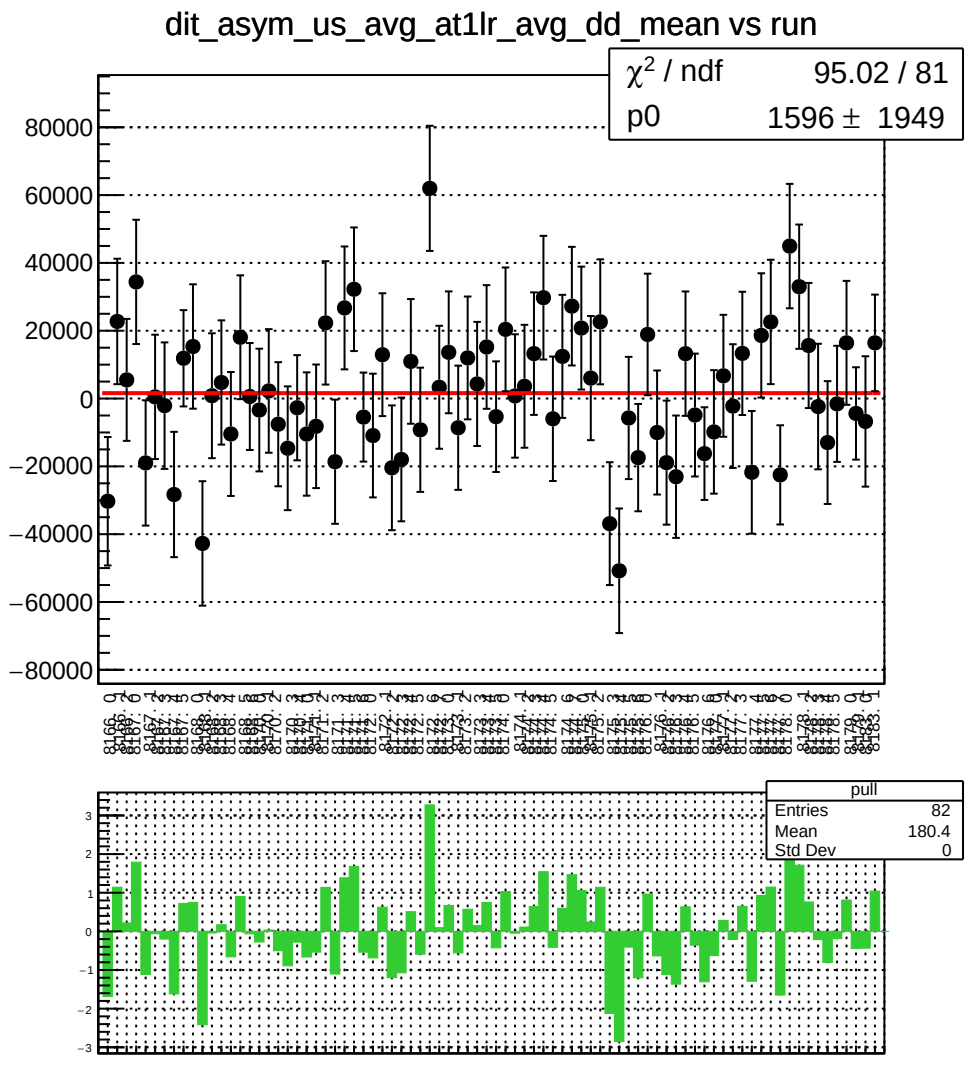

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 3.217e+04 / 81
p0 186.8 ± 0.15
320
300
280
260
240
220
200
180
160
140
120

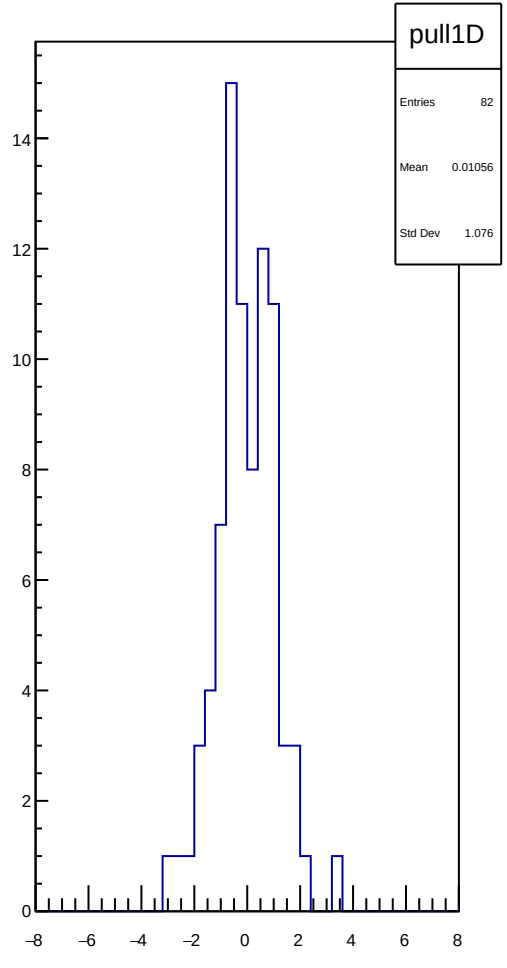

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 95.68 / 81
p0 1509 ± 1946
pull
Entries 82
Mean 169.6
Std Dev 0
pull1D
Entries 82
Mean 0.0112
Std Dev 1.08

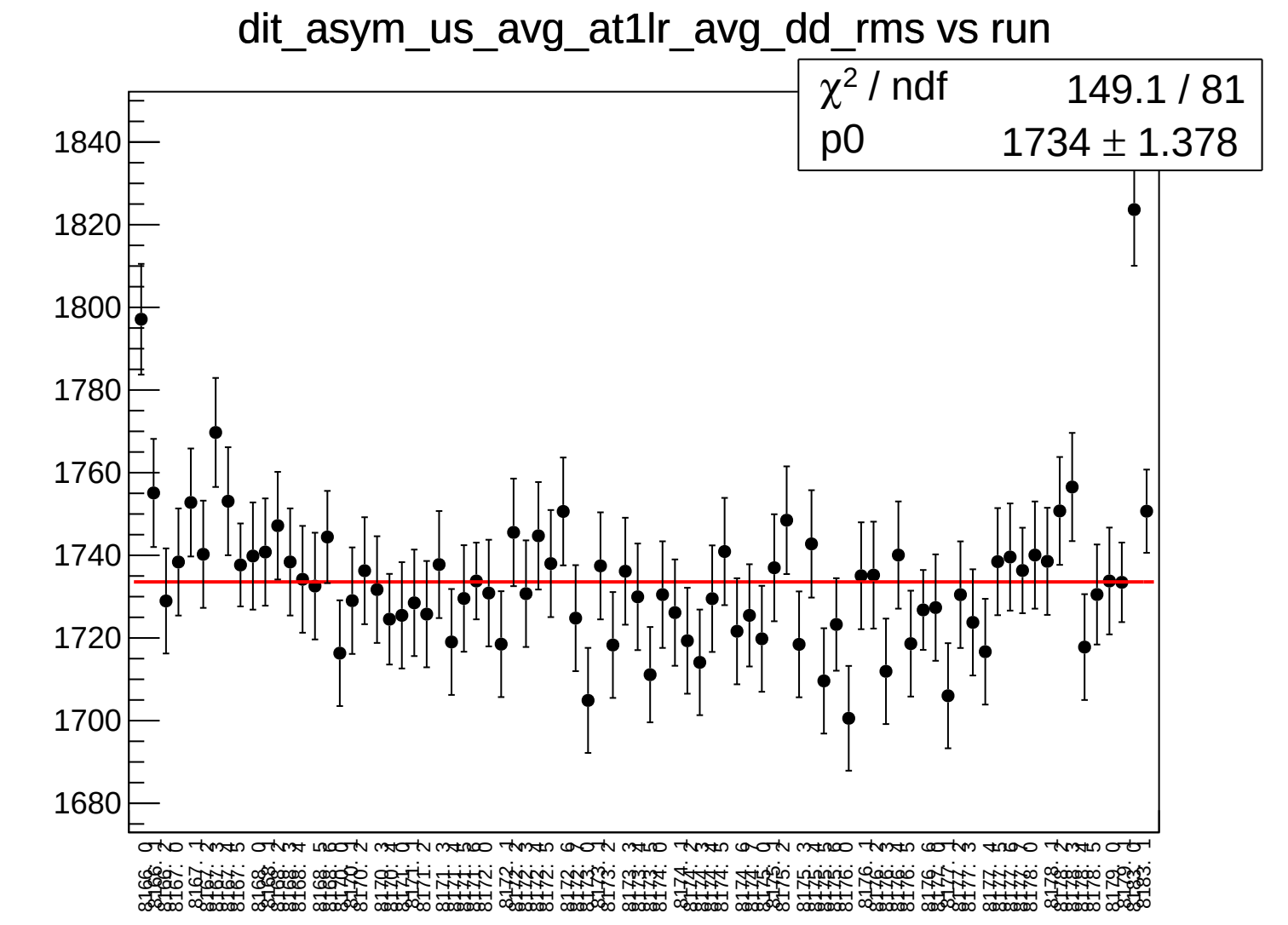

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 136.9 / 81
p0 1731 ± 1.376
1840
1820
1800
1780
1760
1740
1720
1700
1680

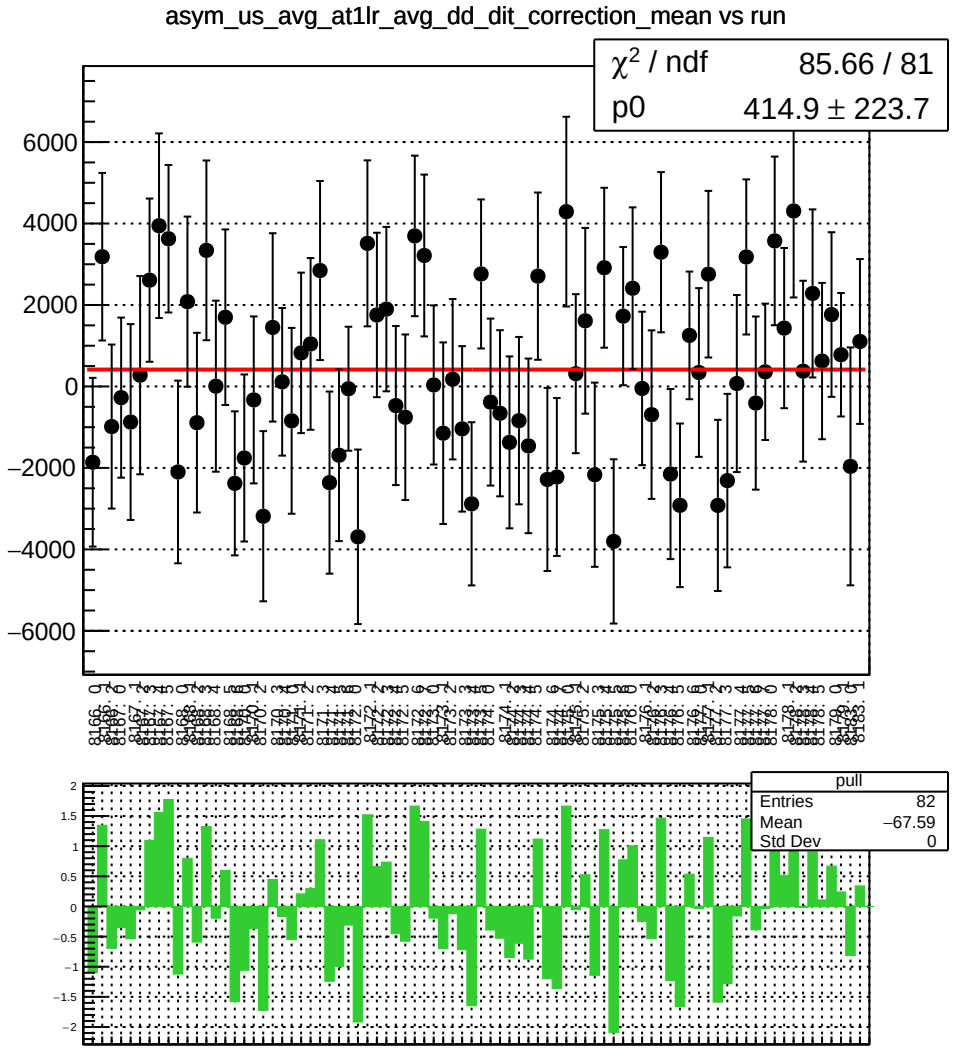

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.49 / 81
p0 375.2 ± 212.2
pull
Entries 82
Mean −20.56
Std Dev 0
pull1D
Entries 82
Mean −0.01836
Std Dev 1.009

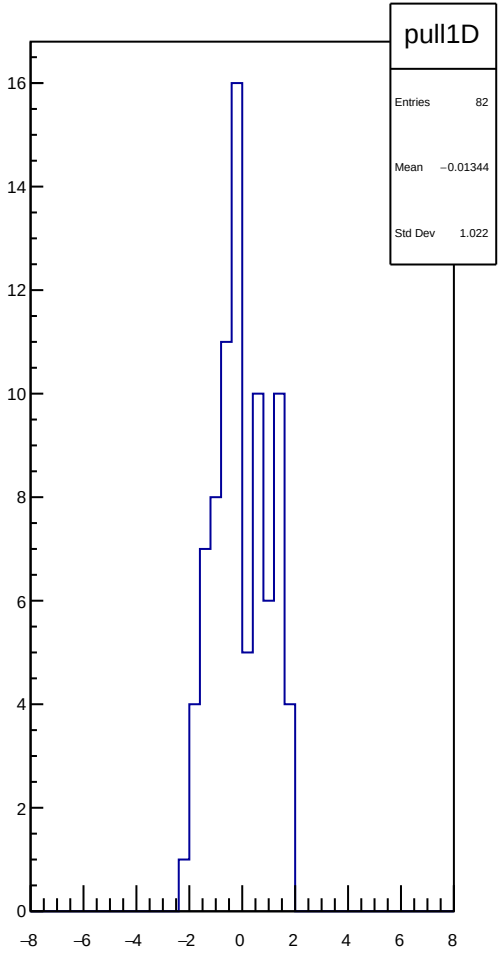

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3.217e+04 / 81
p0 186.8 ± 0.15
320
300
280
260
240
220
200
180
160
140
120

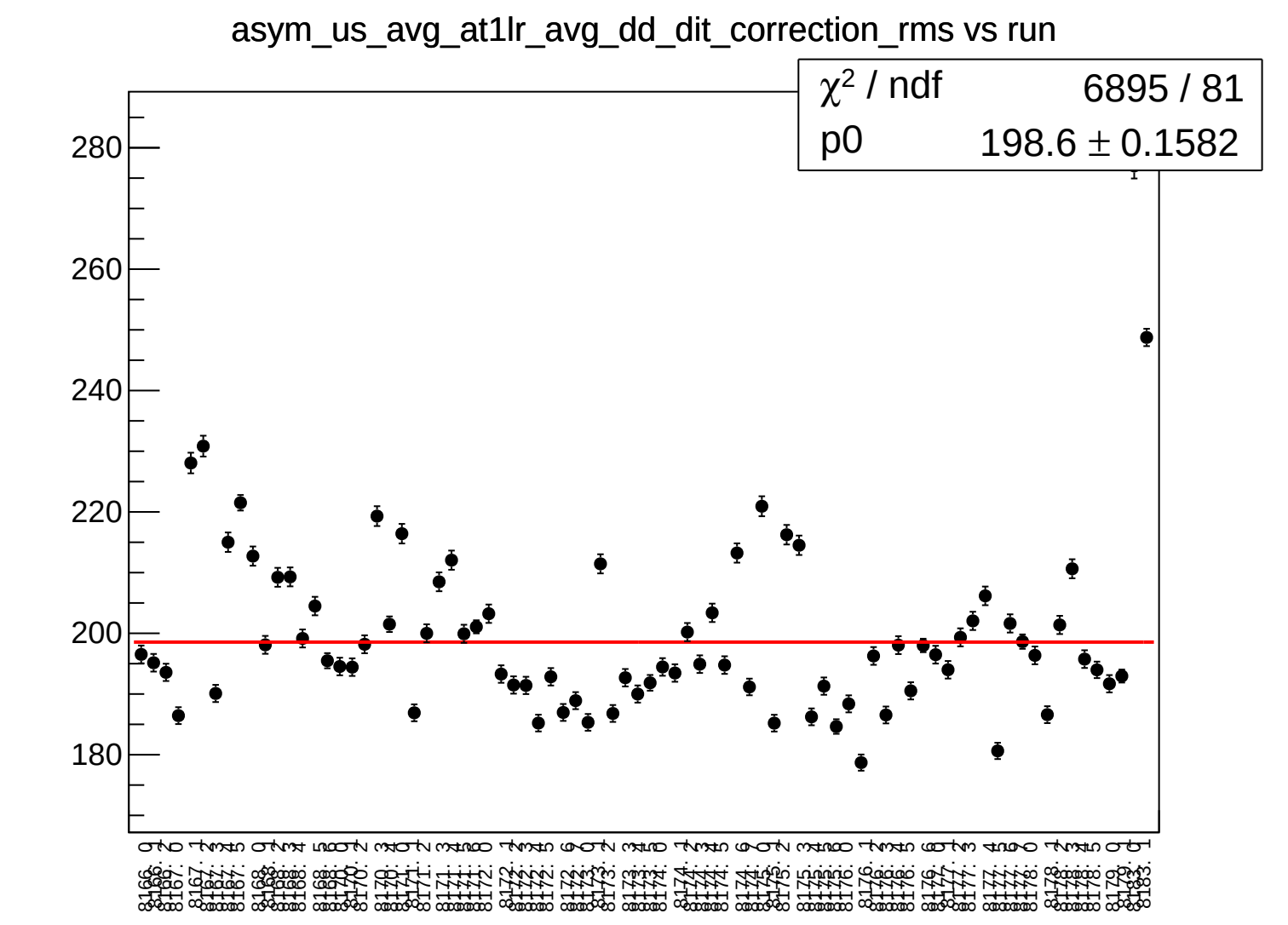

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 95.02 / 81
p0 1596 ± 1949
pull
Entries 82
Mean 180.4
Std Dev 0

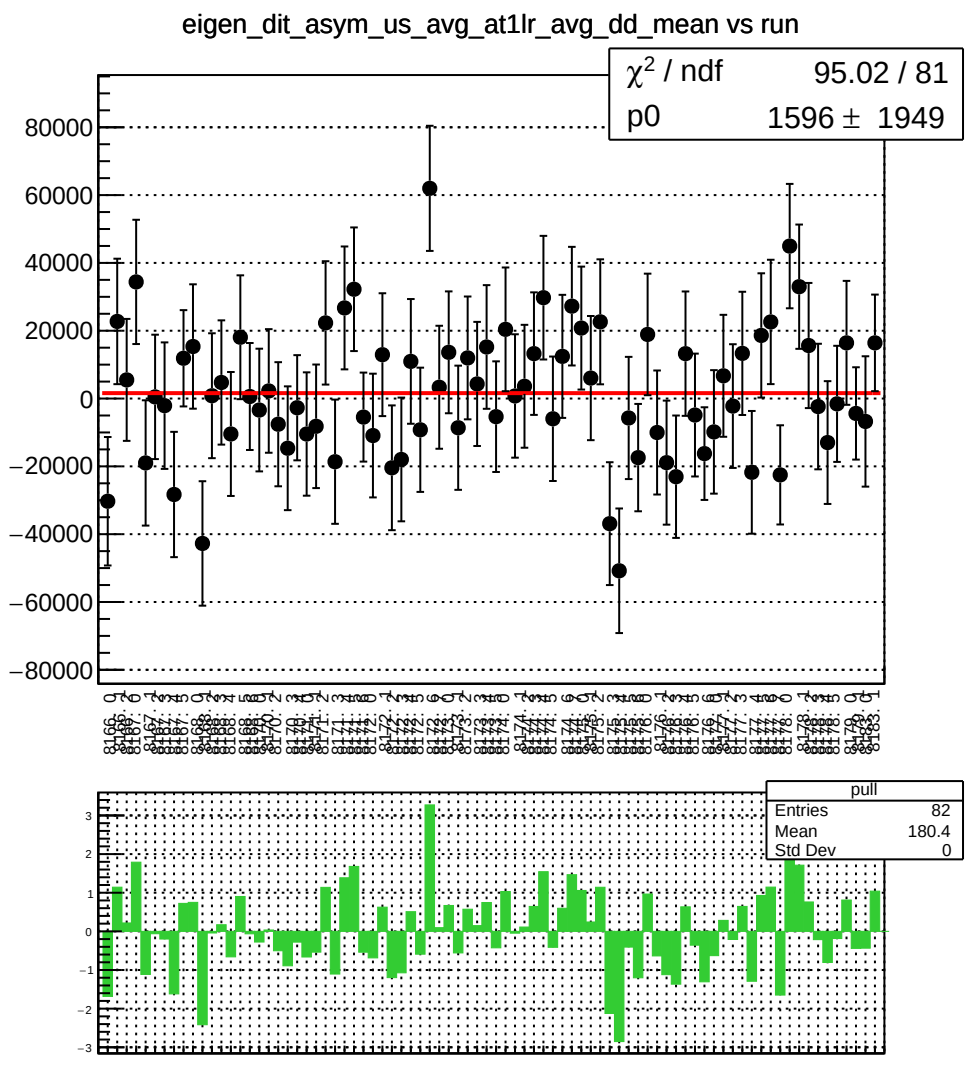

pull1D
Entries 82
Mean 0.01056
Std Dev 1.076

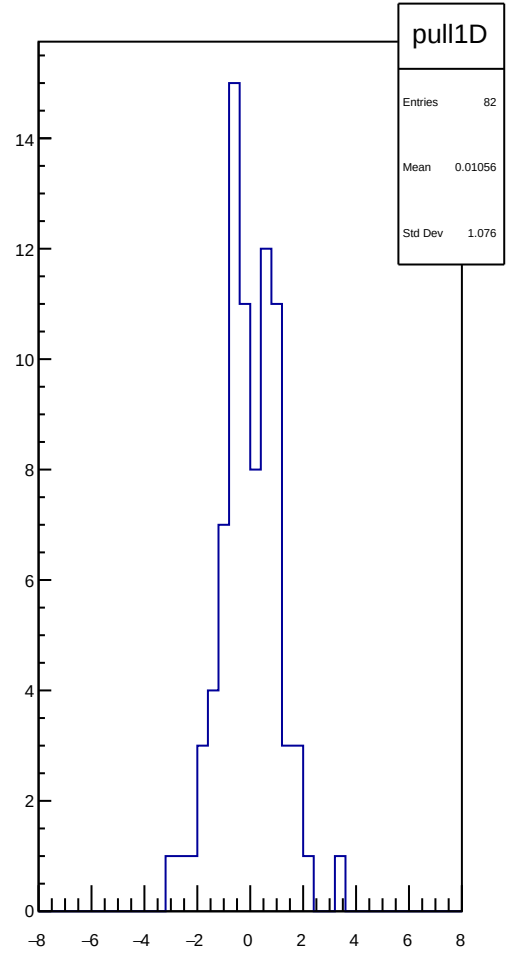

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 149.1 / 81
p0 1734 ± 1.378
1840
1820
1800
1780
1760
1740
1720
1700
1680

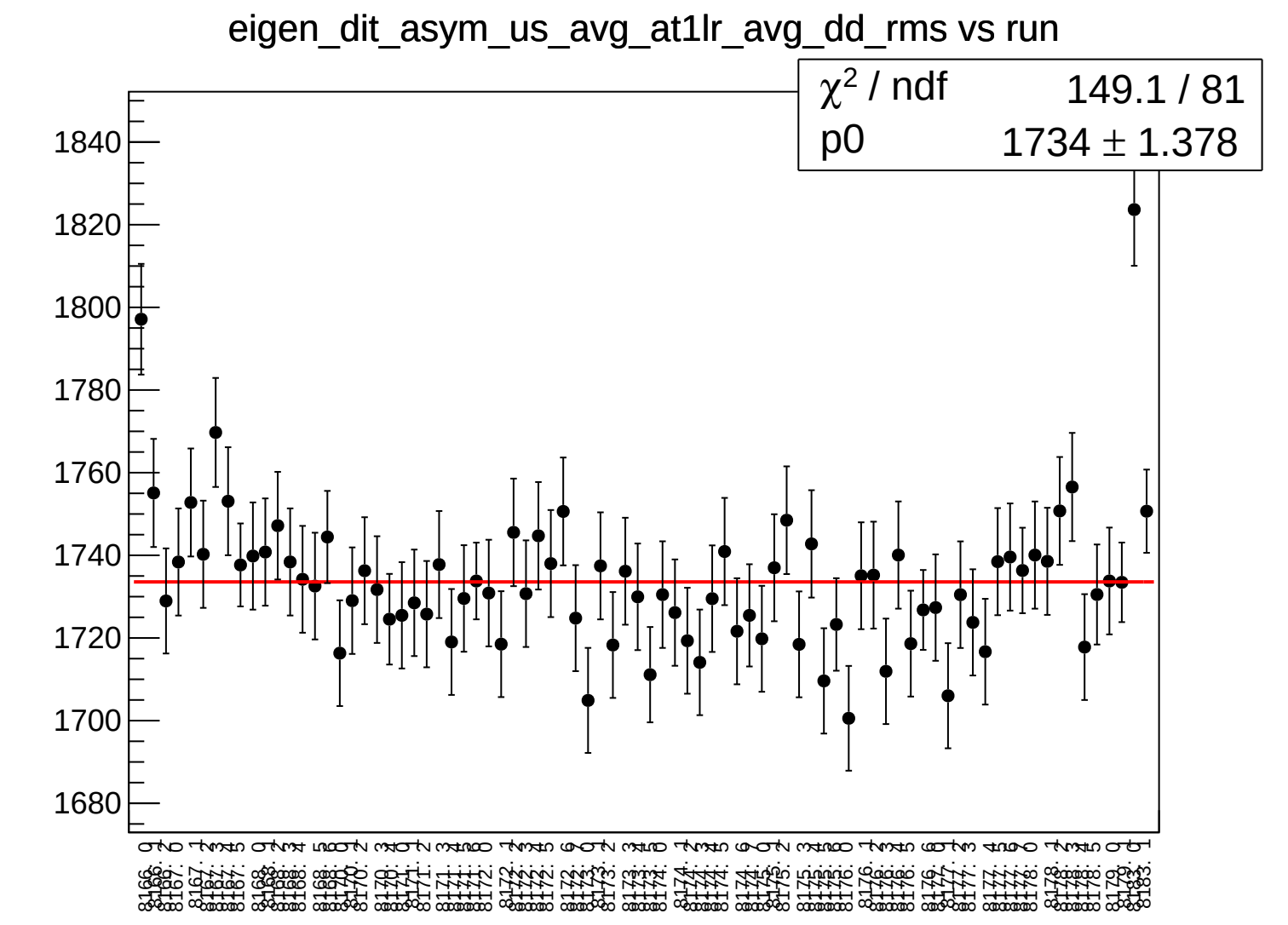

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 85.66 / 81
p0 414.9 ± 223.7
pull
Entries 82
Mean −67.59
Std Dev 0

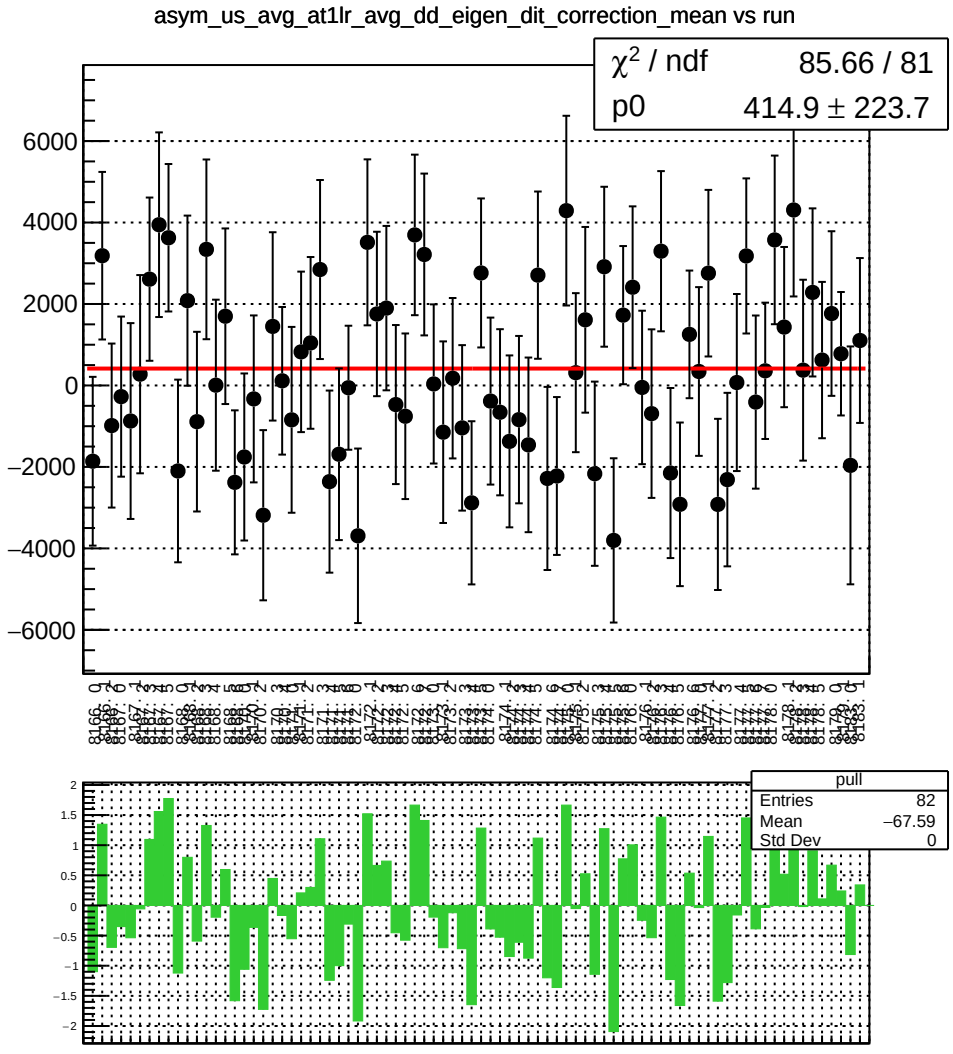

pull1D
Entries 82
Mean −0.01344
Std Dev 1.022

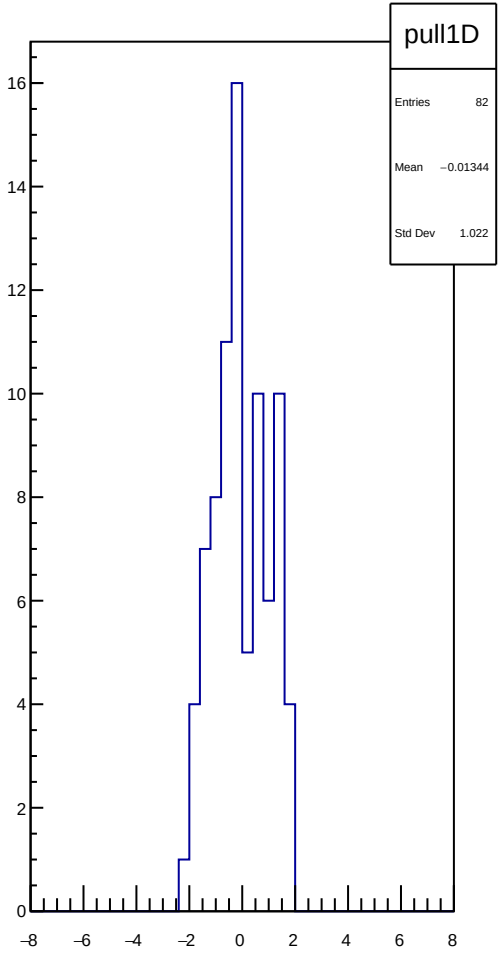

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 6895 / 81
p0 198.6 ± 0.1582
280
260
240
220
200
180

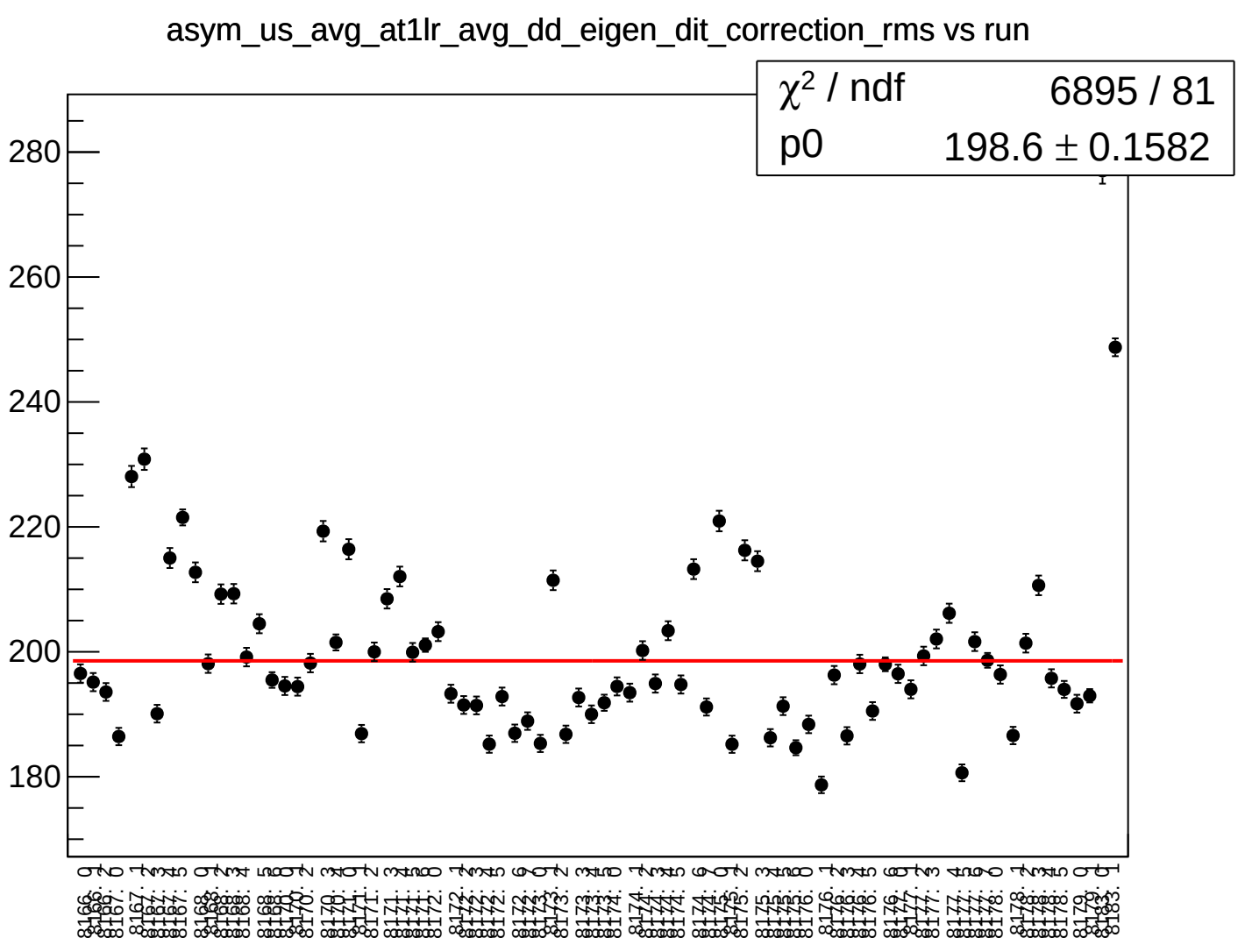

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 95.02 / 81
p0 1596 ± 1949
pull
Entries 82
Mean 180.4
Std Dev 0

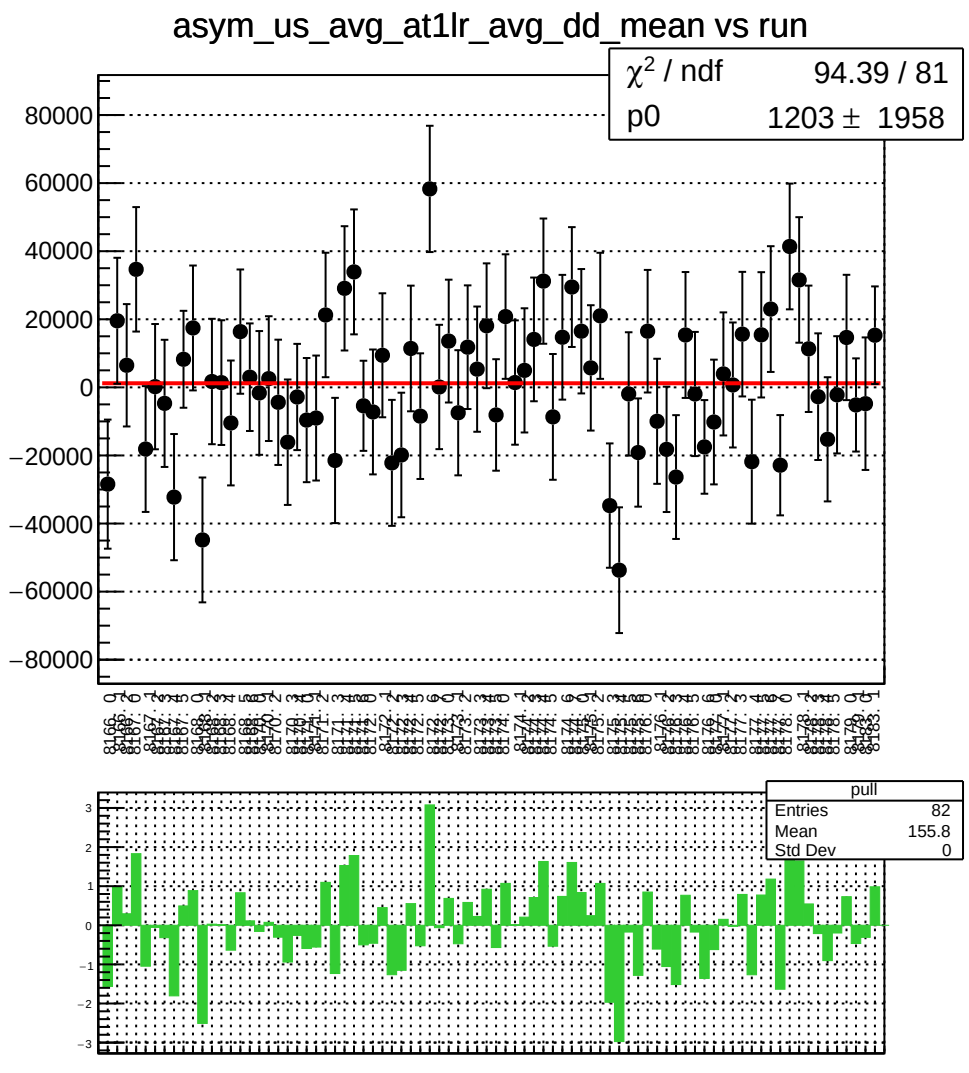

pull1D
Entries 82
Mean 0.01056
Std Dev 1.076

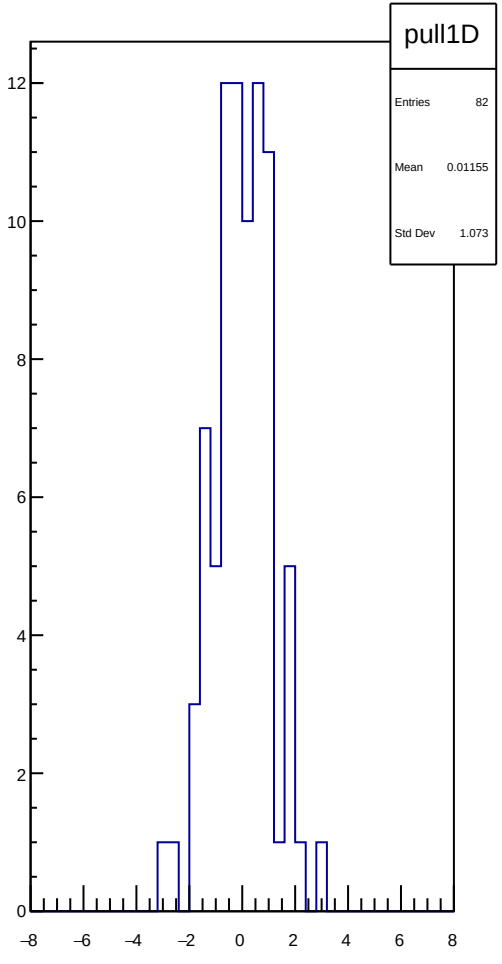

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 149.1 / 81
p0 1734 ± 1.378
1840
1820
1800
1780
1760
1740
1720
1700
1680

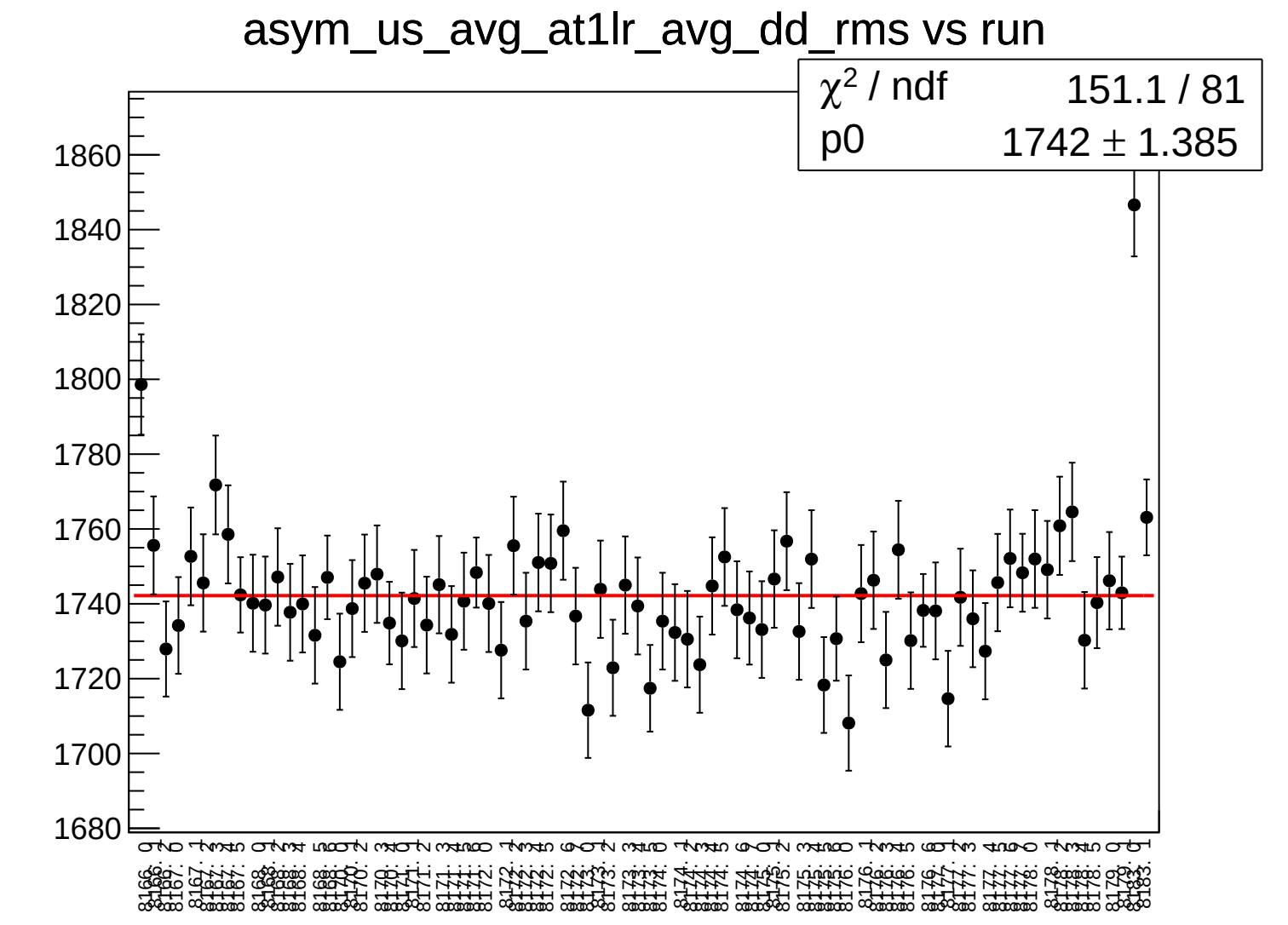

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 85.66 / 81
p0 414.9 ± 223.7
pull
Entries 82
Mean −67.59
Std Dev 0

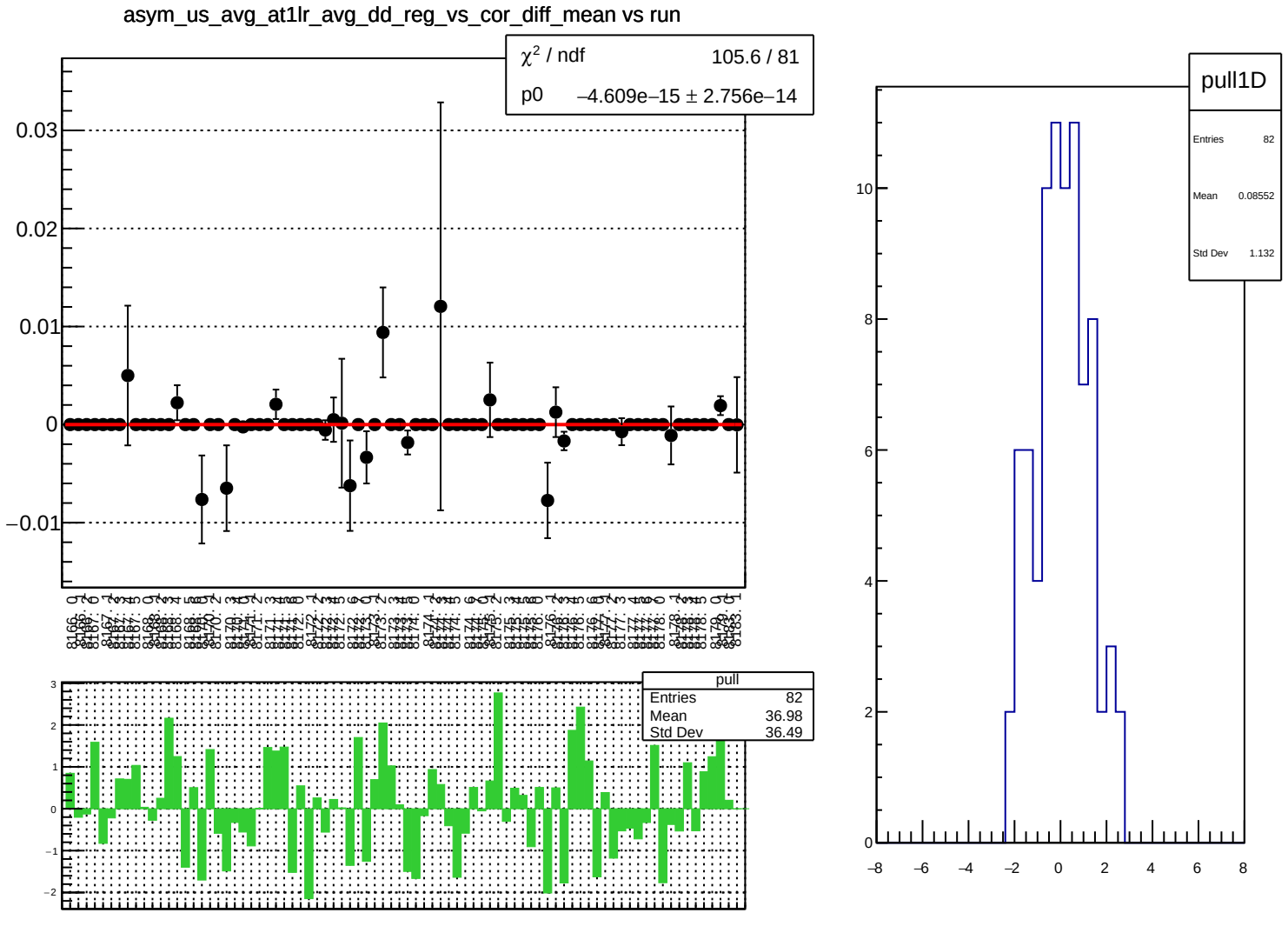

pull1D
Entries 82
Mean −0.01344
Std Dev 1.022

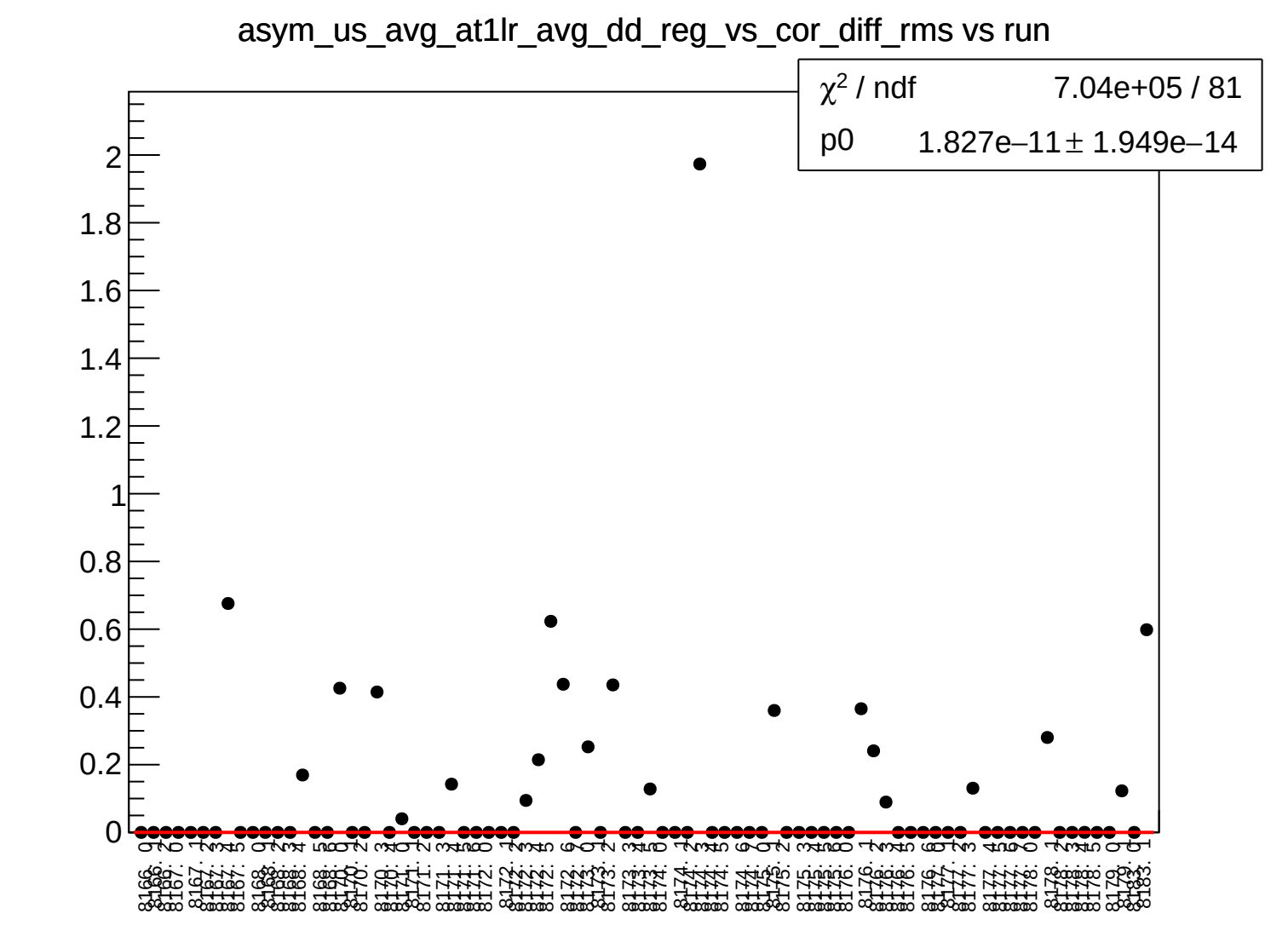

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 6895 / 81
p0 198.6 ± 0.1582
280
260
240
220
200
180

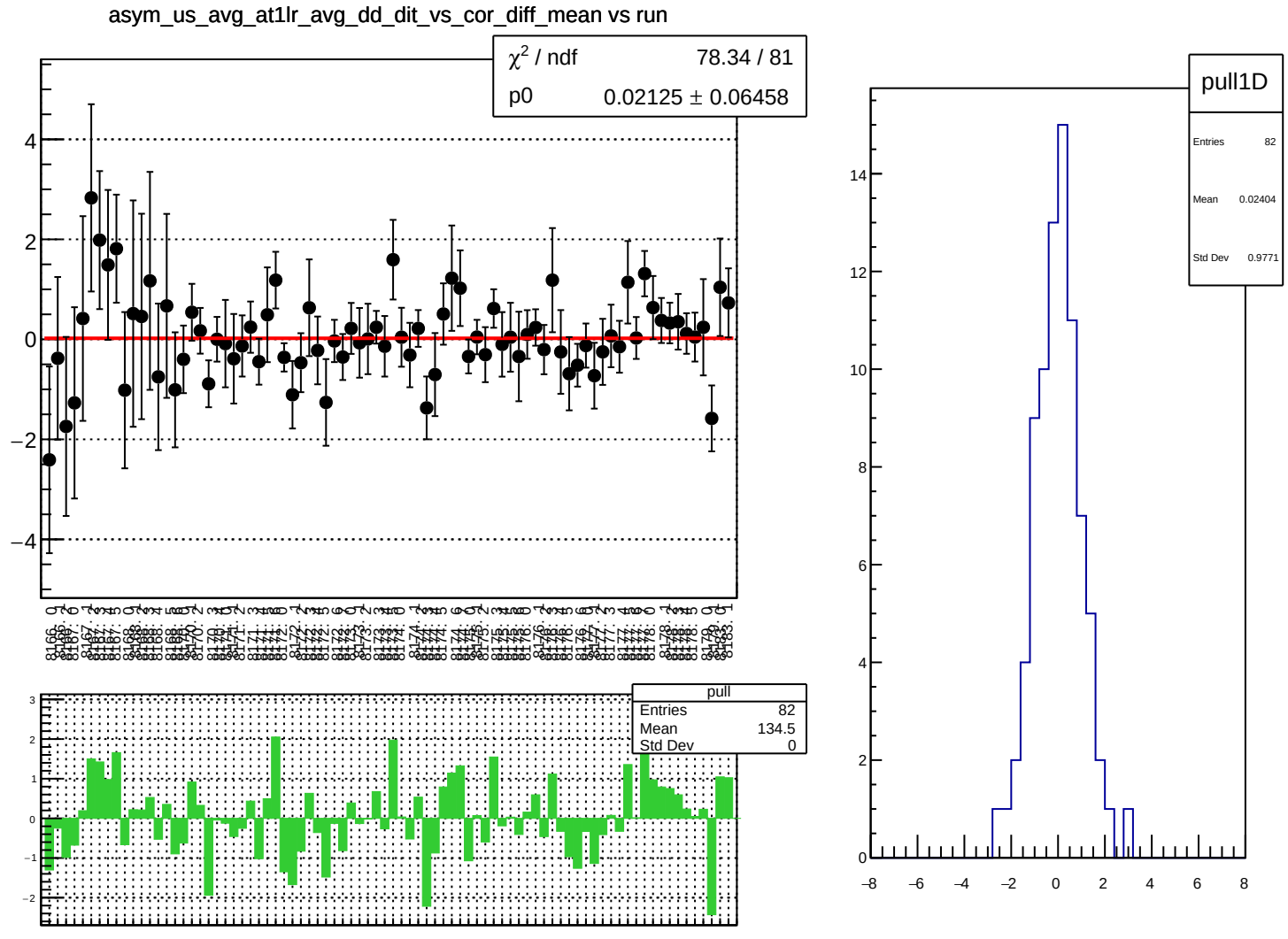

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 94.39 / 81
p0 1203 ± 1958
pull
Entries 82
Mean 155.8
Std Dev 0

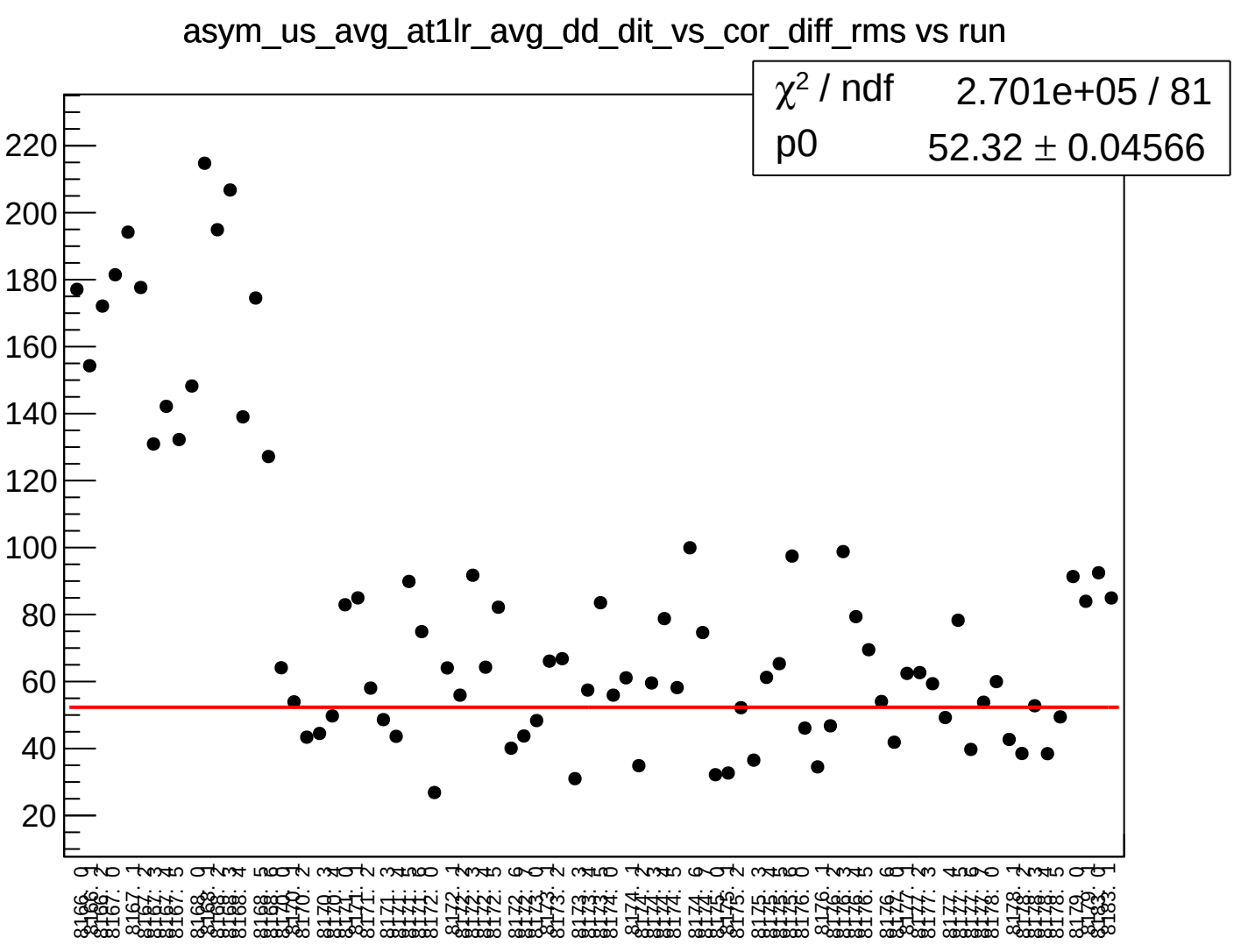

pull1D
Entries 82
Mean 0.01155
Std Dev 1.073

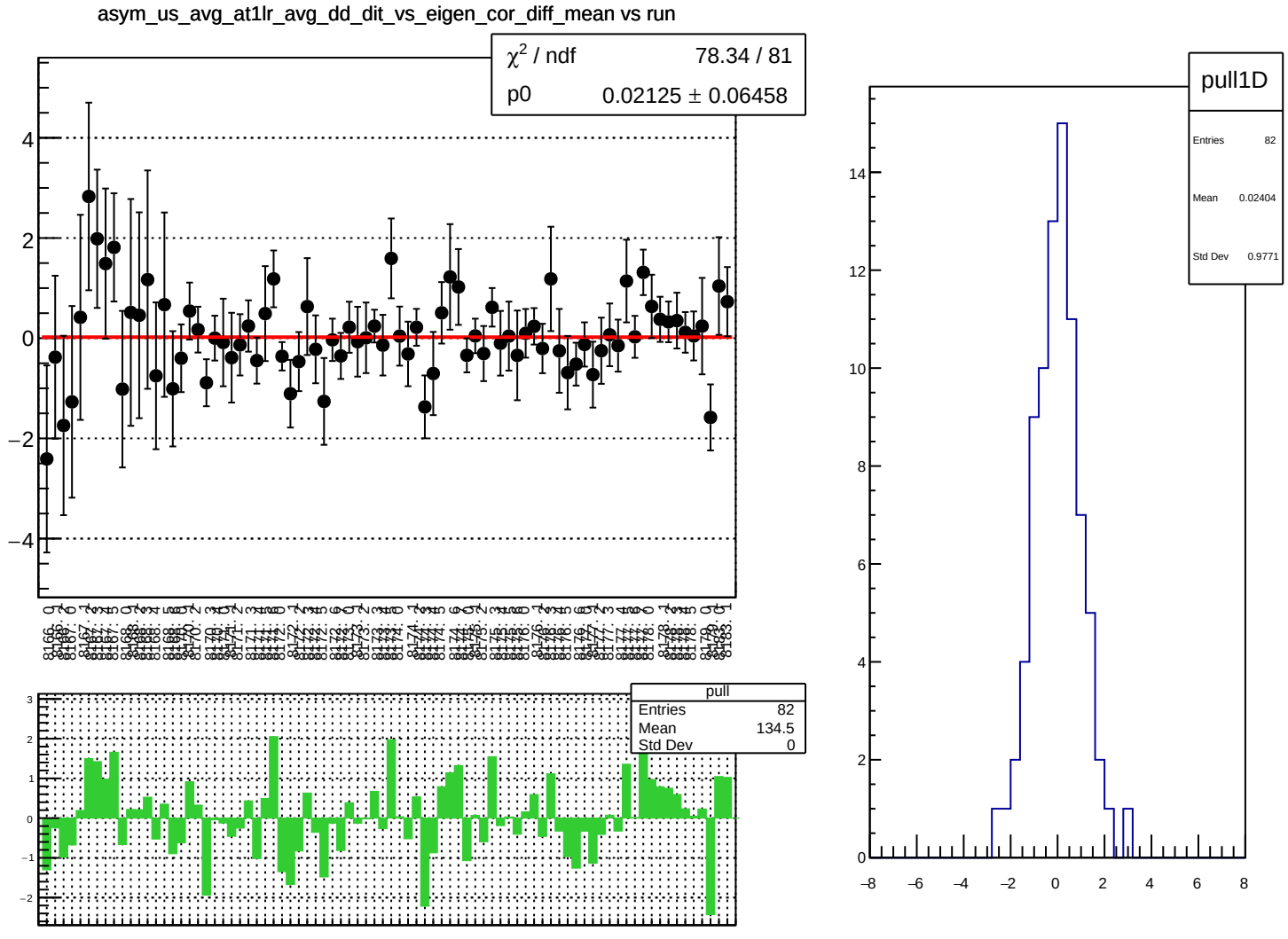

asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 151.1 / 81
p0 1742 ± 1.385
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

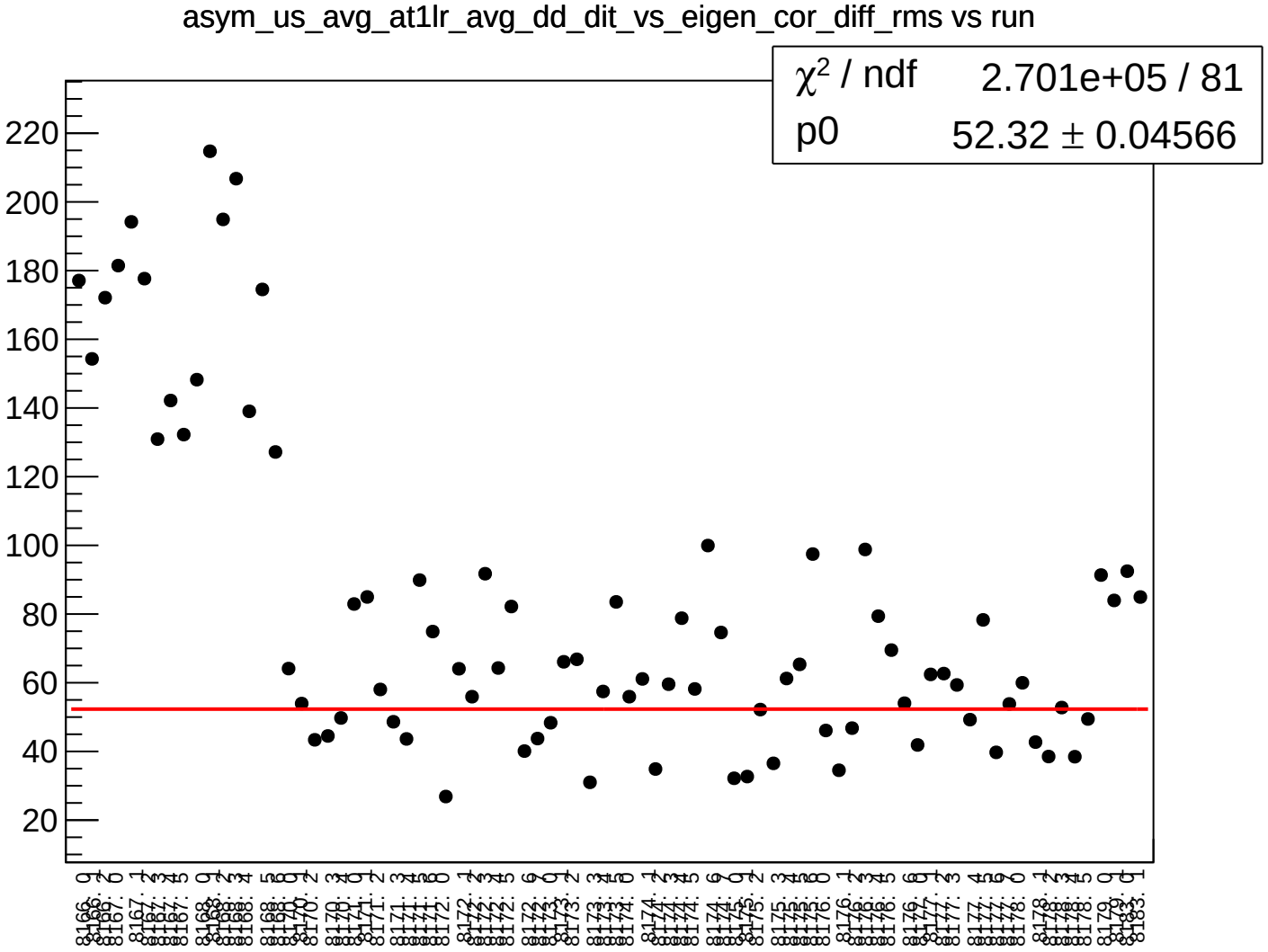

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 105.6 / 81
p0 −4.609e−15 ± 2.756e−14
0.03
0.02
0.01
0
−0.01
pull
Entries 82
Mean 36.98
Std Dev 36.49
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.08552
Std Dev 1.132
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

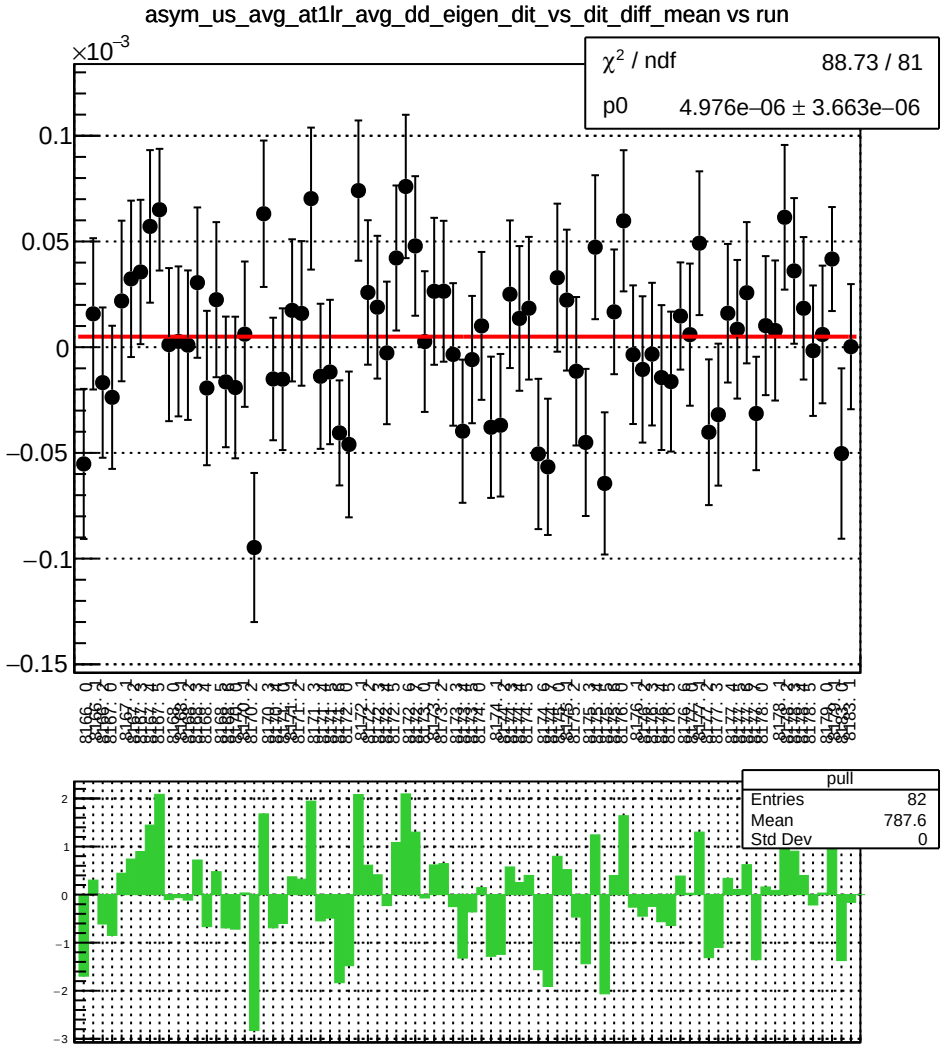

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.04e+05 / 81
p0 1.827e−11 ± 1.949e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

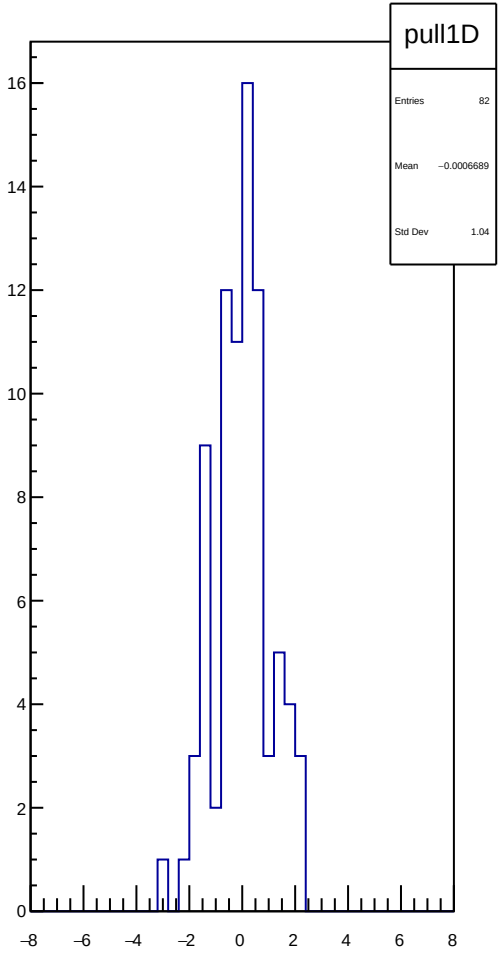

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 78.34 / 81
p0 0.02125 ± 0.06458
pull
Entries 82
Mean 134.5
Std Dev 0
pull1D
Entries 82
Mean 0.02404
Std Dev 0.9771

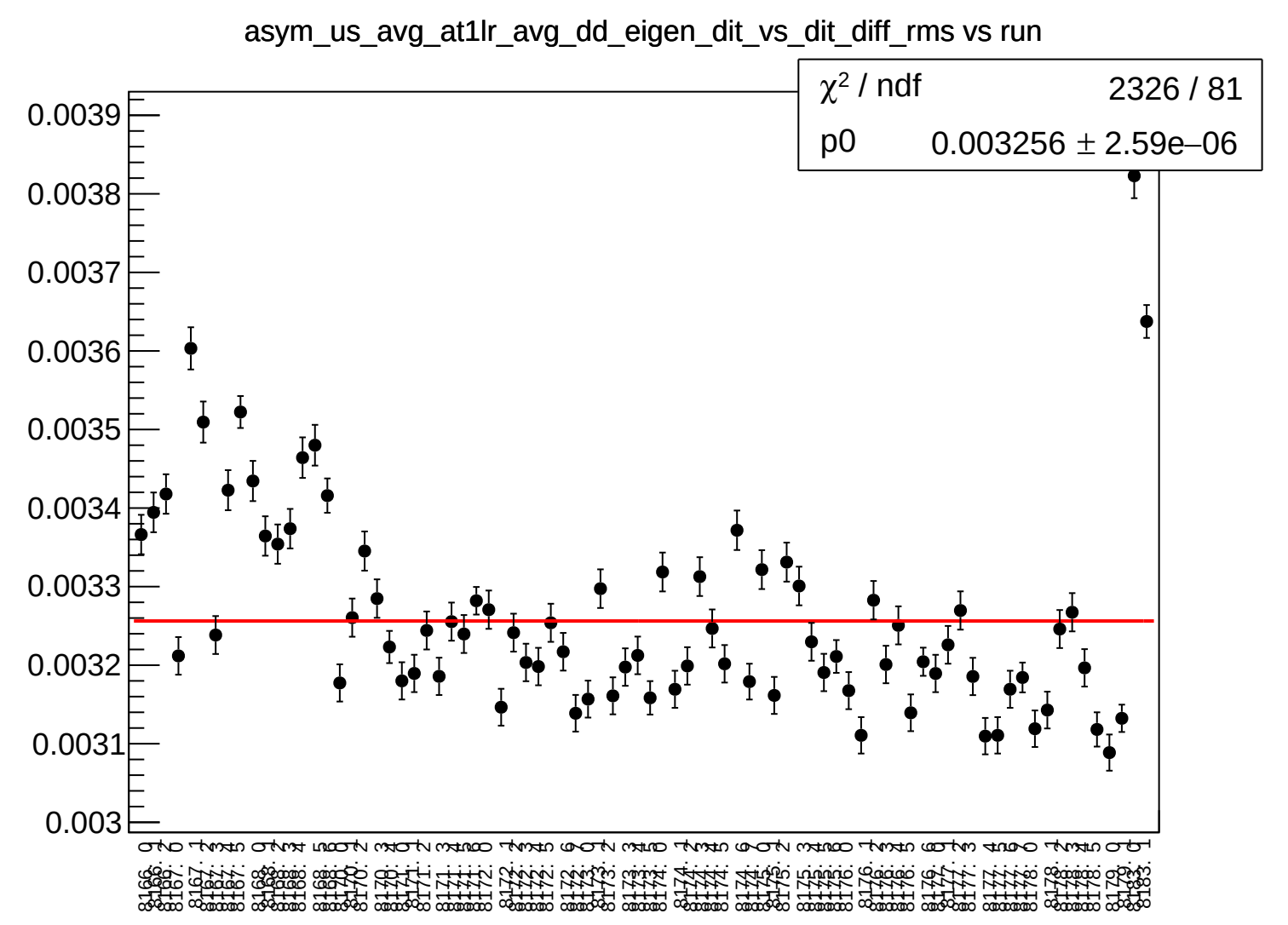

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.701e+05 / 81
p0 52.32 ± 0.04566
220
200
180
160
140
120
100
80
60
40
20

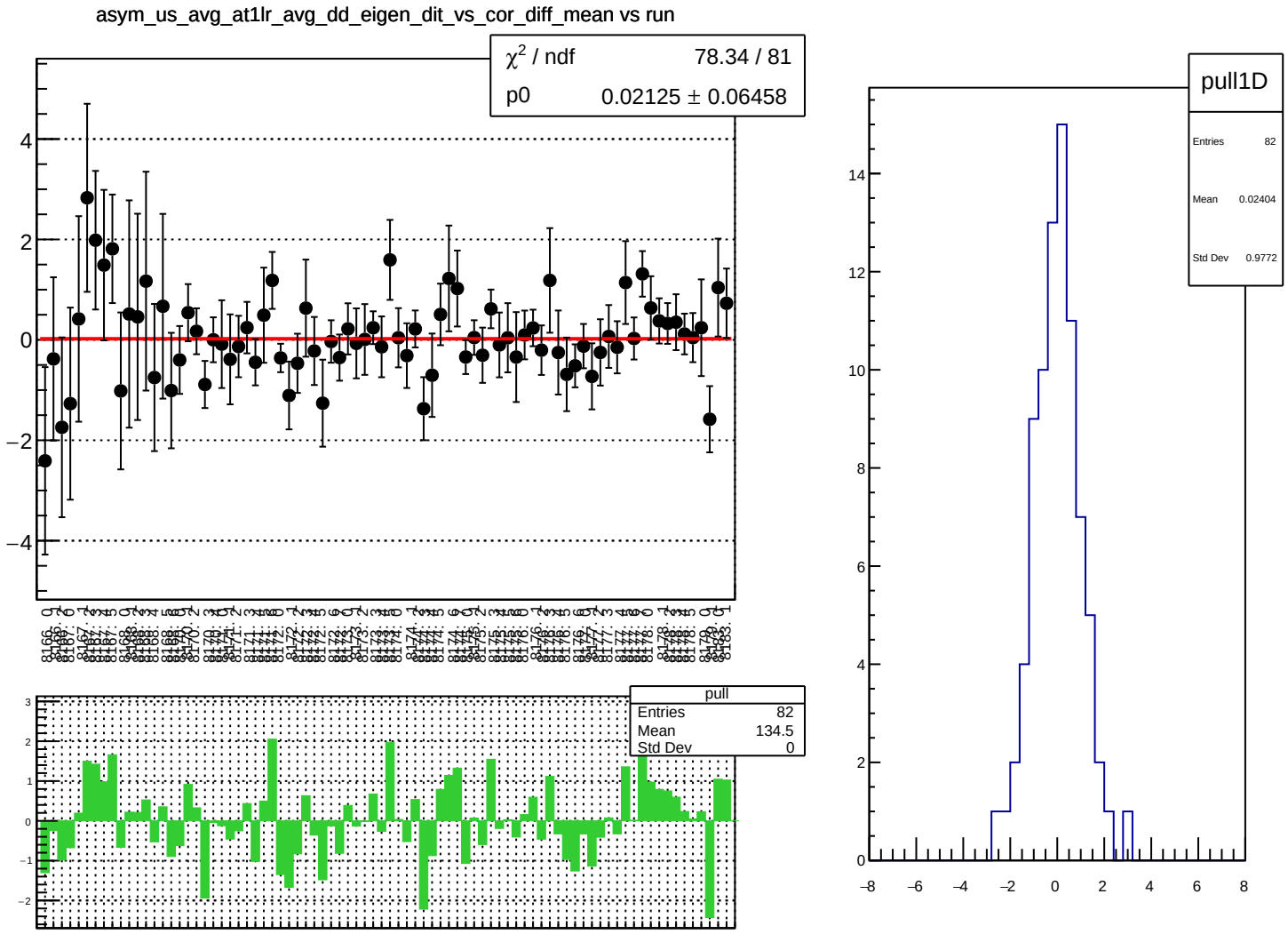

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.34 / 81
p0 0.02125 ± 0.06458
pull
Entries 82
Mean 134.5
Std Dev 0
pull1D
Entries 82
Mean 0.02404
Std Dev 0.9771

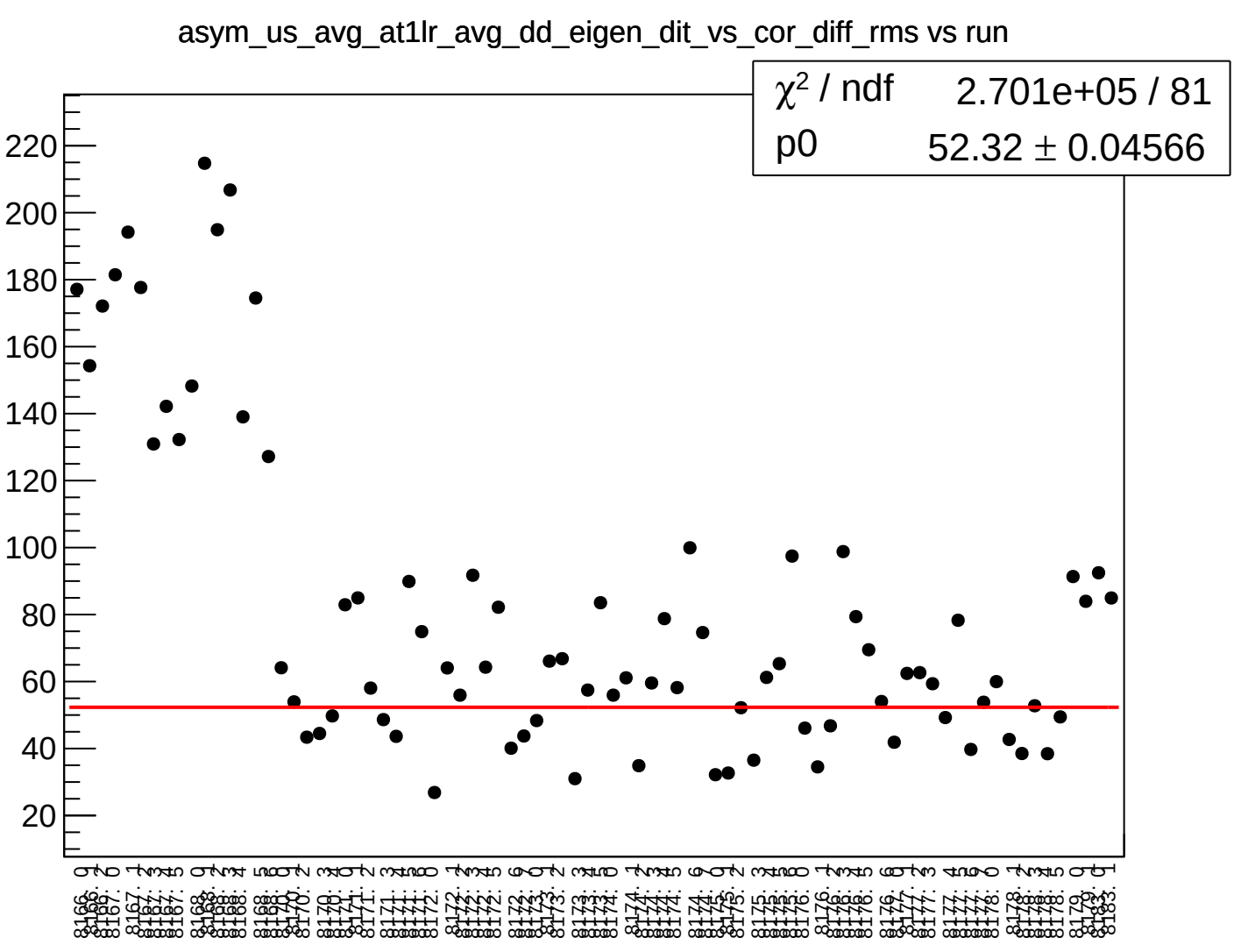

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.701e+05 / 81
p0 52.32 ± 0.04566
220
200
180
160
140
120
100
80
60
40
20


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.73 / 81
p0 4.976e−06 ± 3.663e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 82
Mean 787.6
Std Dev 0
2
1
0
−1
−2
−3

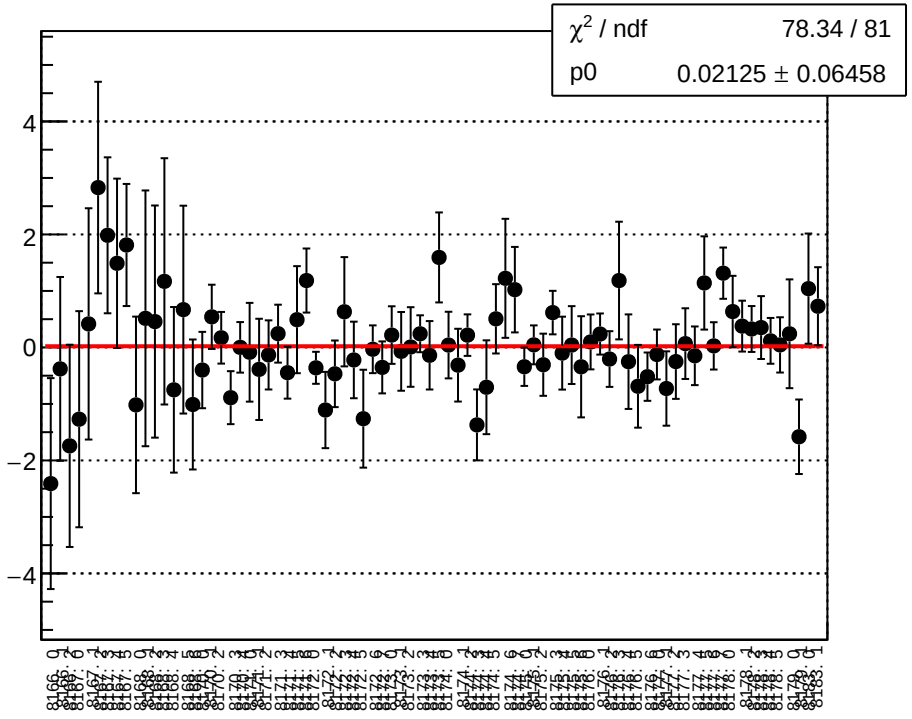

pull1D
Entries 82
Mean −0.0006689
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

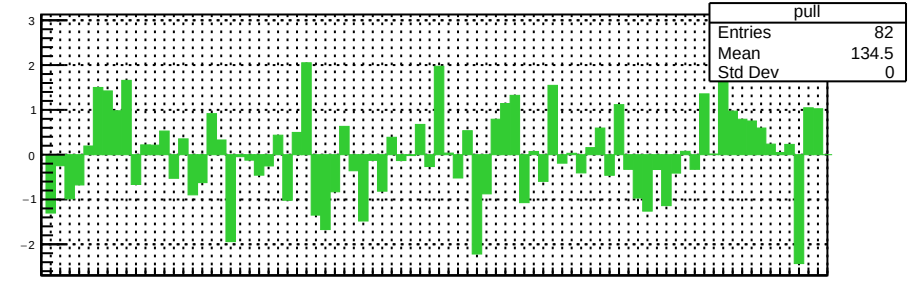

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2326 / 81
p0 0.003256 ± 2.59e−06
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003

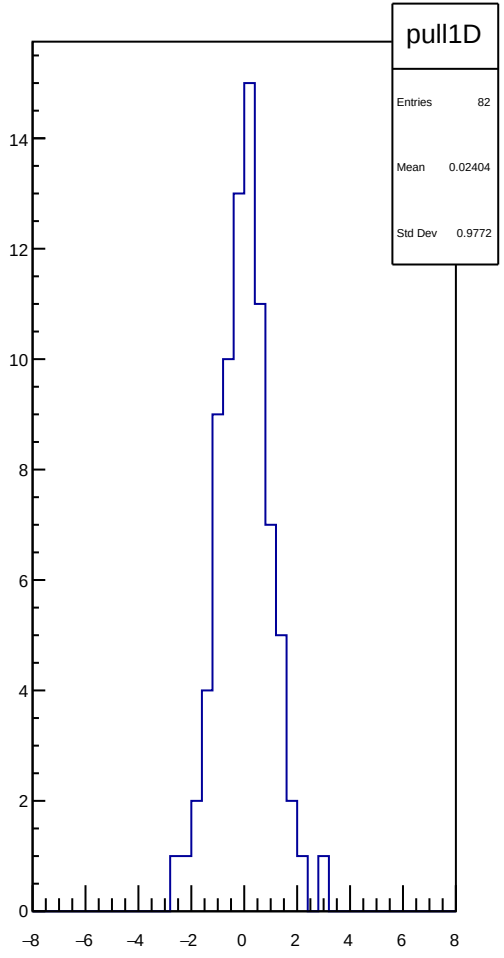

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.34 / 81
p0 0.02125 ± 0.06458
pull
Entries 82
Mean 134.5
Std Dev 0
pull1D
Entries 82
Mean 0.02404
Std Dev 0.9772

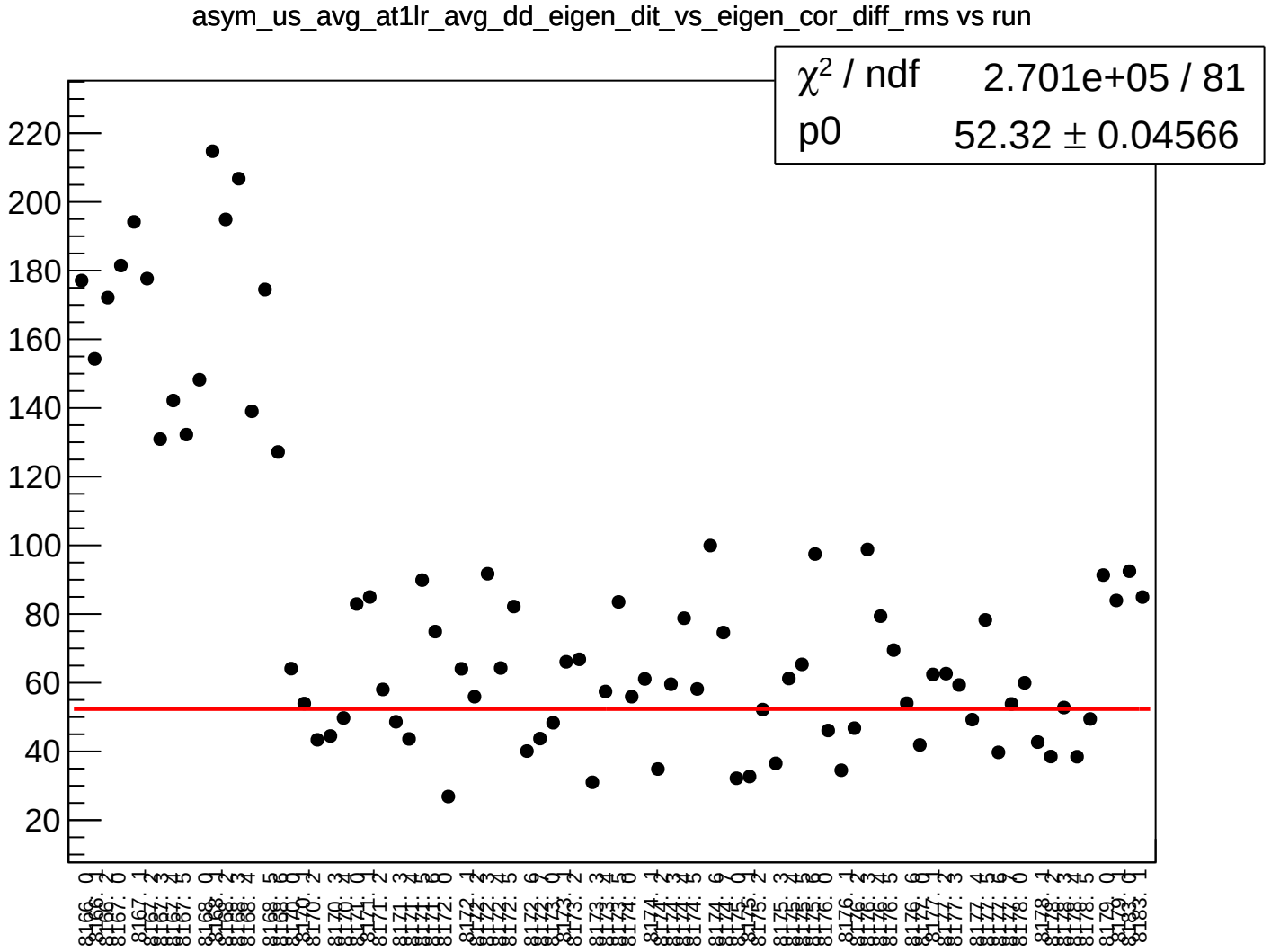

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.701e+05 / 81
p0 52.32 ± 0.04566
220
200
180
160
140
120
100
80
60
40
20

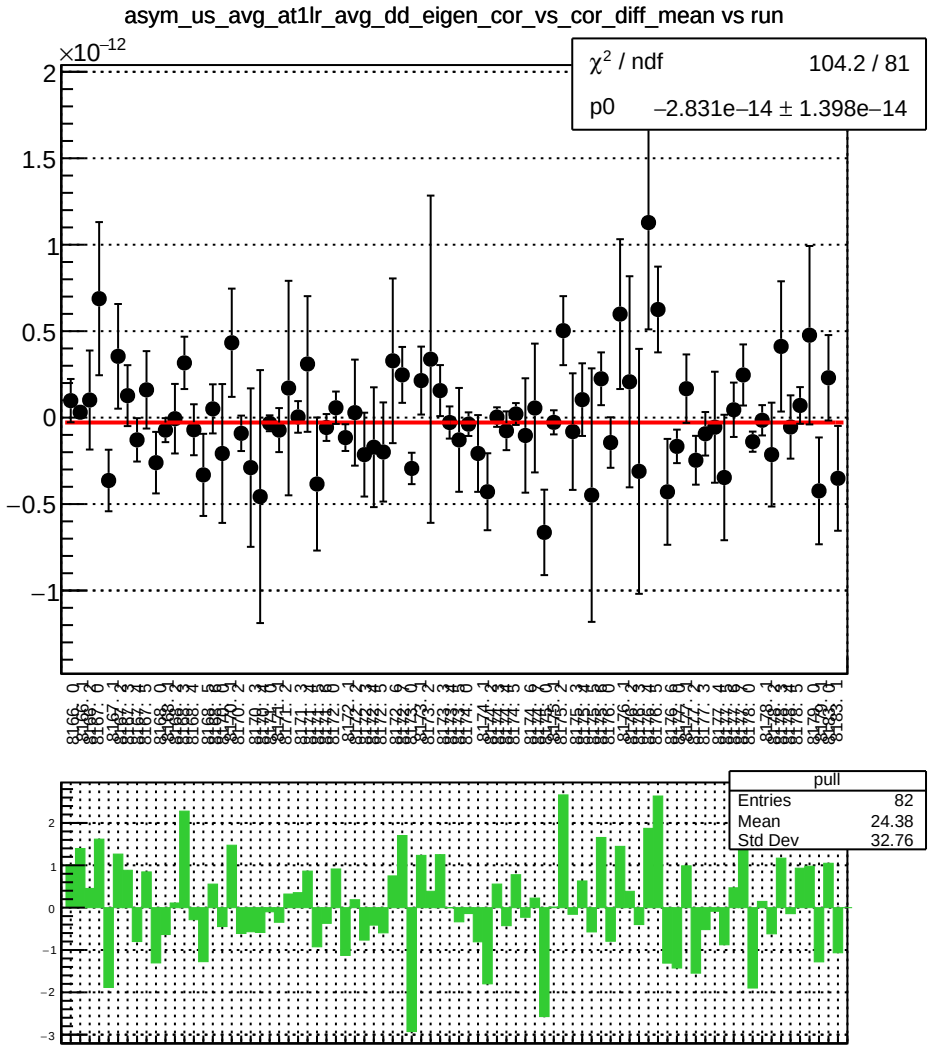
asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

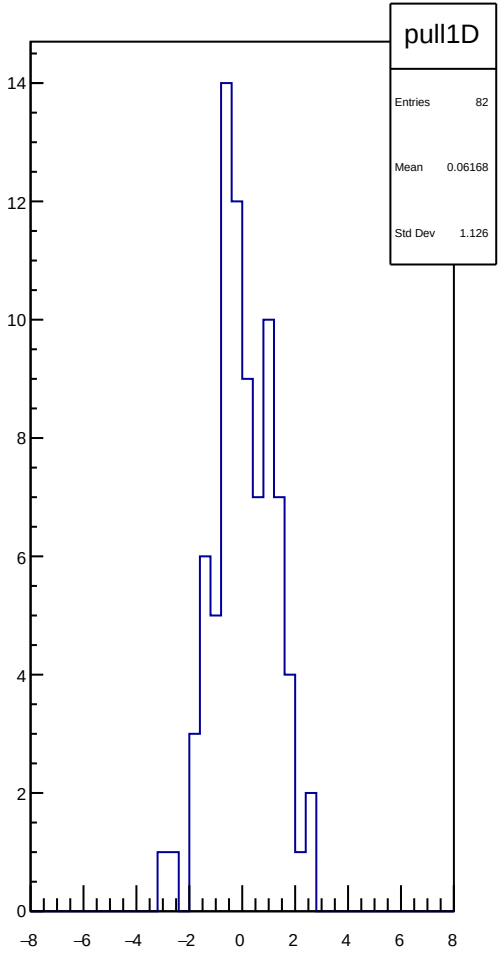


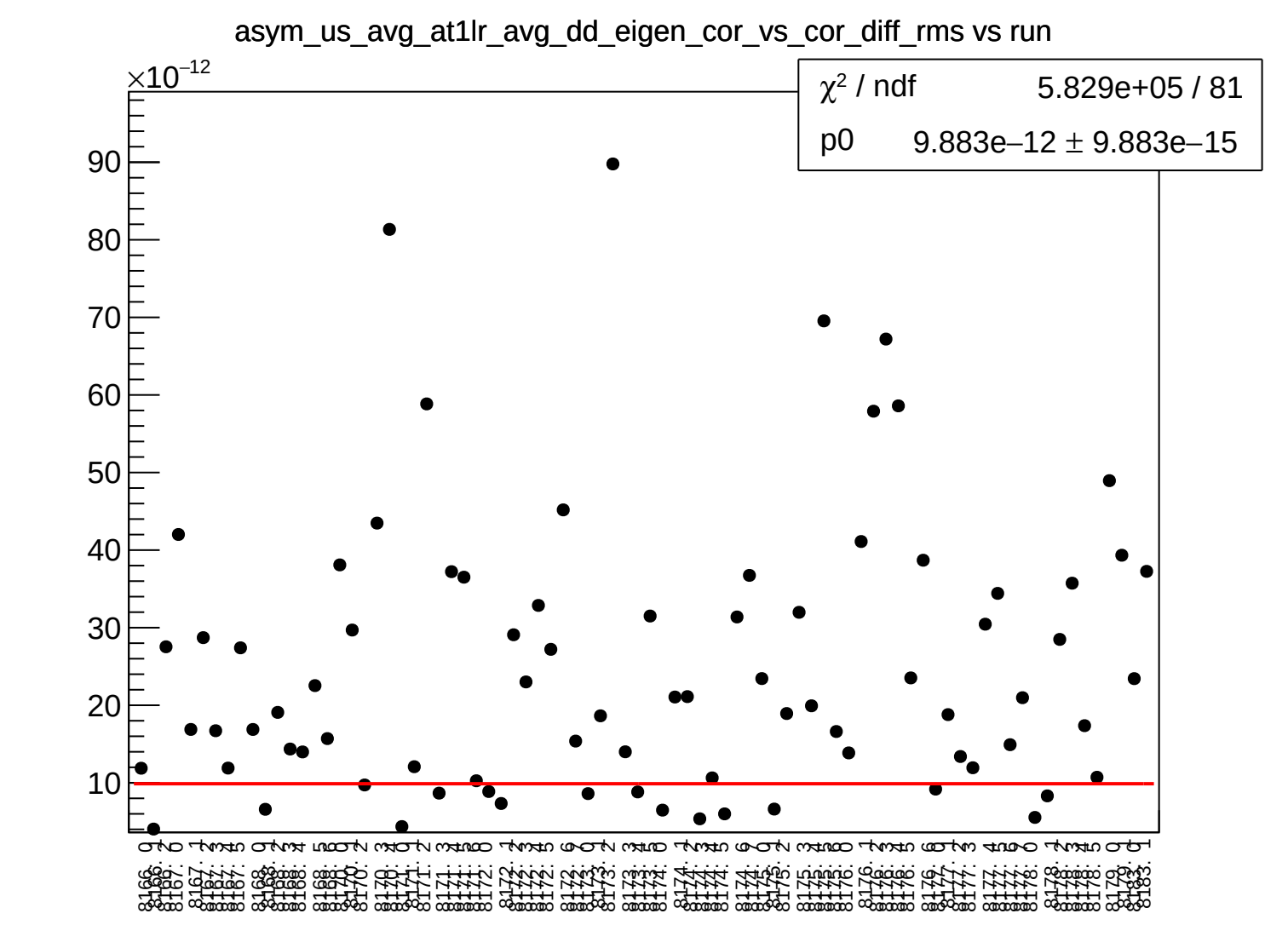


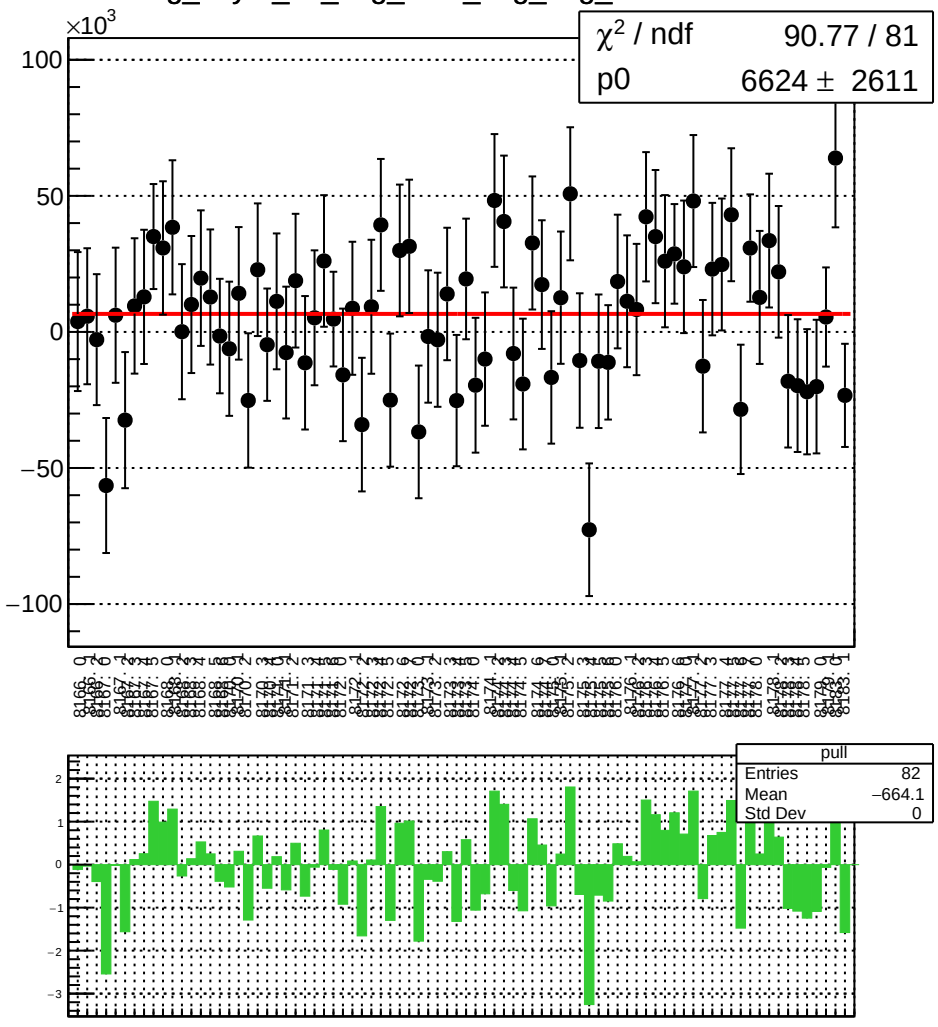


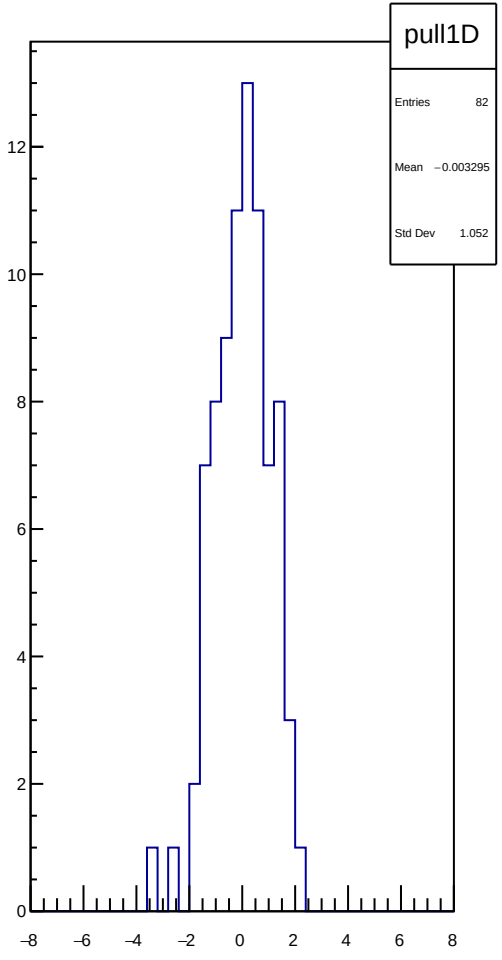

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.701e+05 / 81
p0 52.32 ± 0.04566
220
200
180
160
140
120
100
80
60
40
20

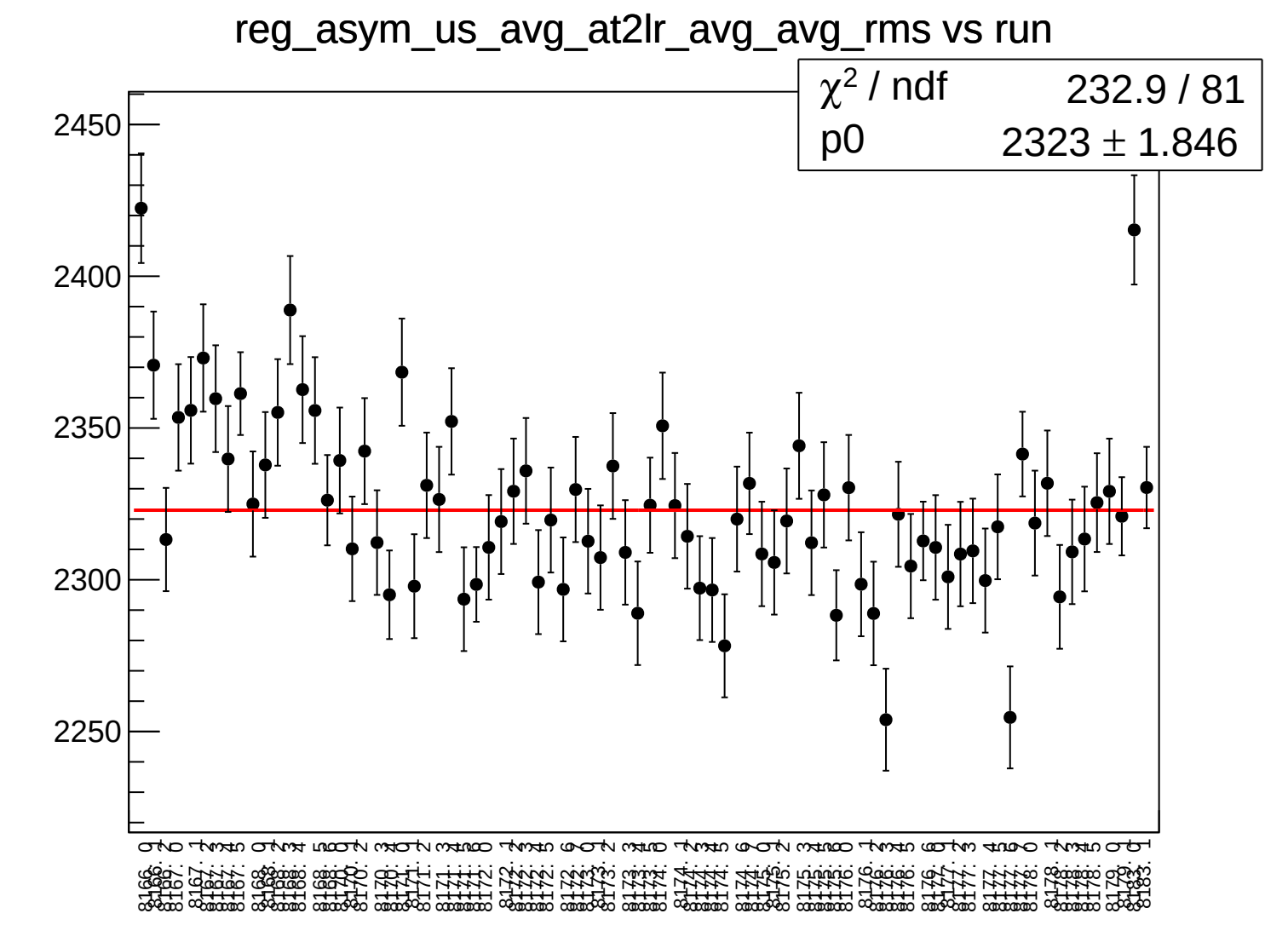

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 104.2 / 81
p0 −2.831e−14 ± 1.398e−14
pull
Entries 82
Mean 24.38
Std Dev 32.76

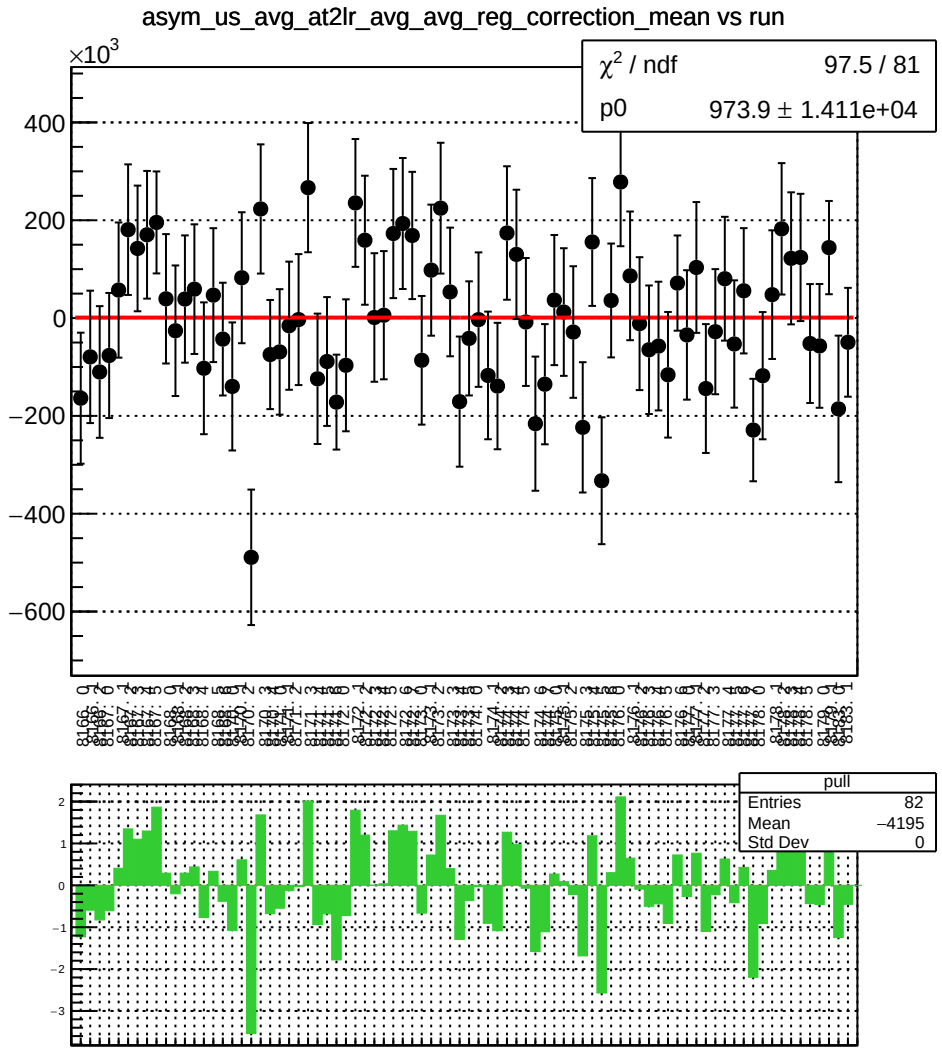

pull1D
Entries 82
Mean 0.06168
Std Dev 1.126

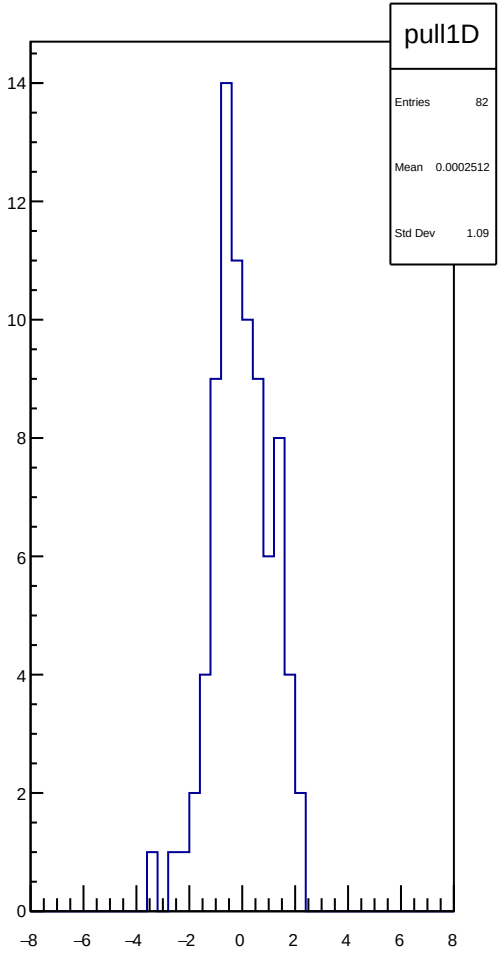

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 5.829e+05 / 81
p0 9.883e−12 ± 9.883e−15
90
80
70
60
50
40
30
20
10

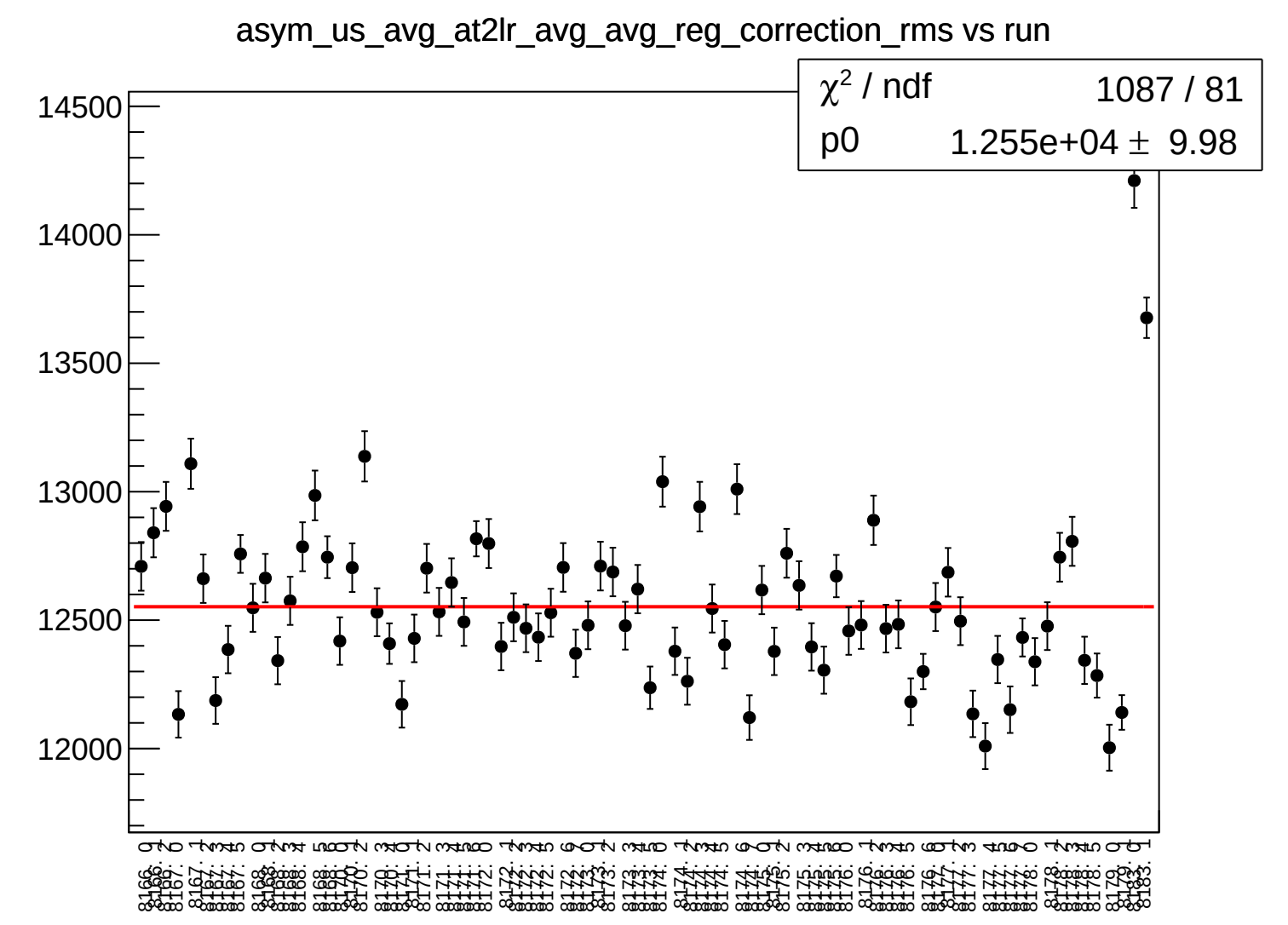

reg_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 90.77 / 81
p0 6624 ± 2611
100
50
0
−50
−100
pull
Entries 82
Mean −664.1
Std Dev 0
2
1
0
−1
−2
−3

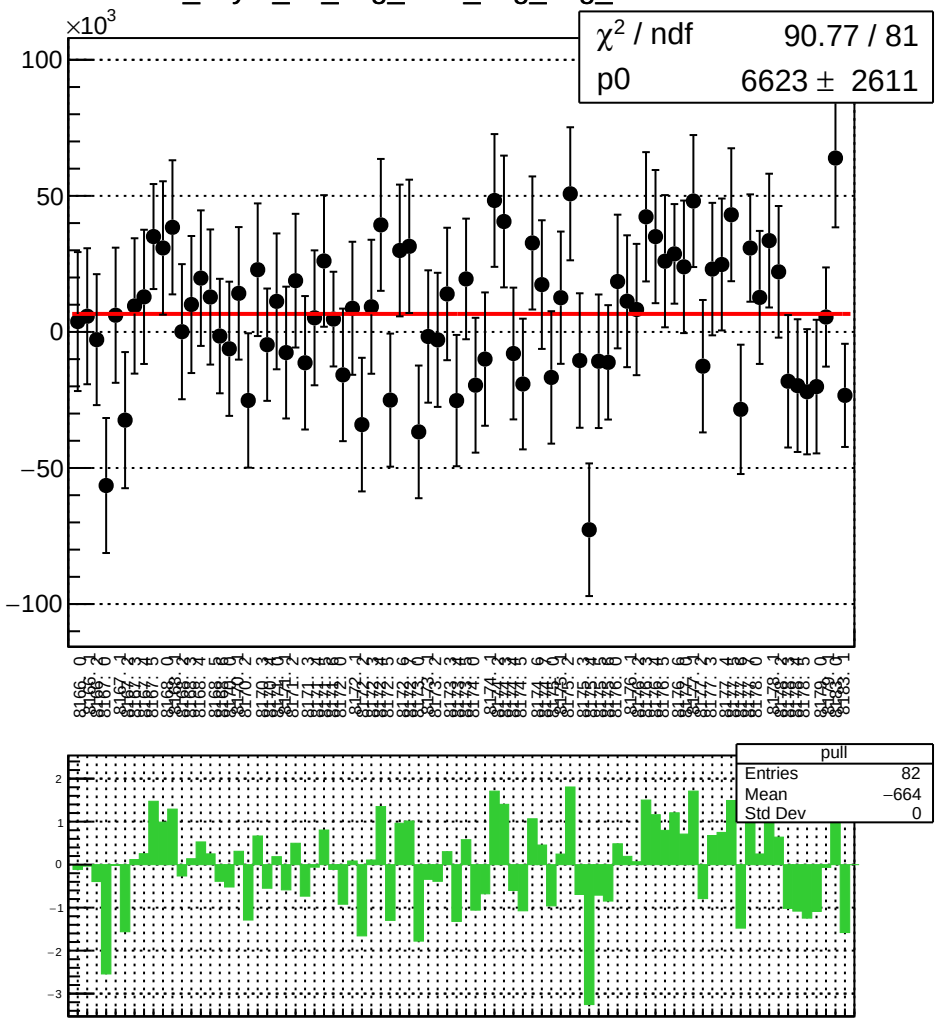

pull1D
Entries 82
Mean −0.003295
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

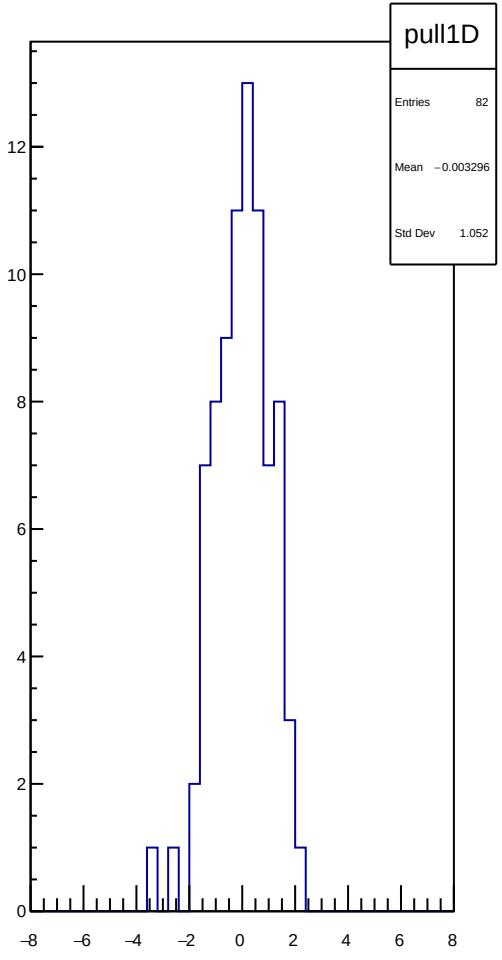

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 232.9 / 81
p0 2323 ± 1.846
2450
2400
2350
2300
2250

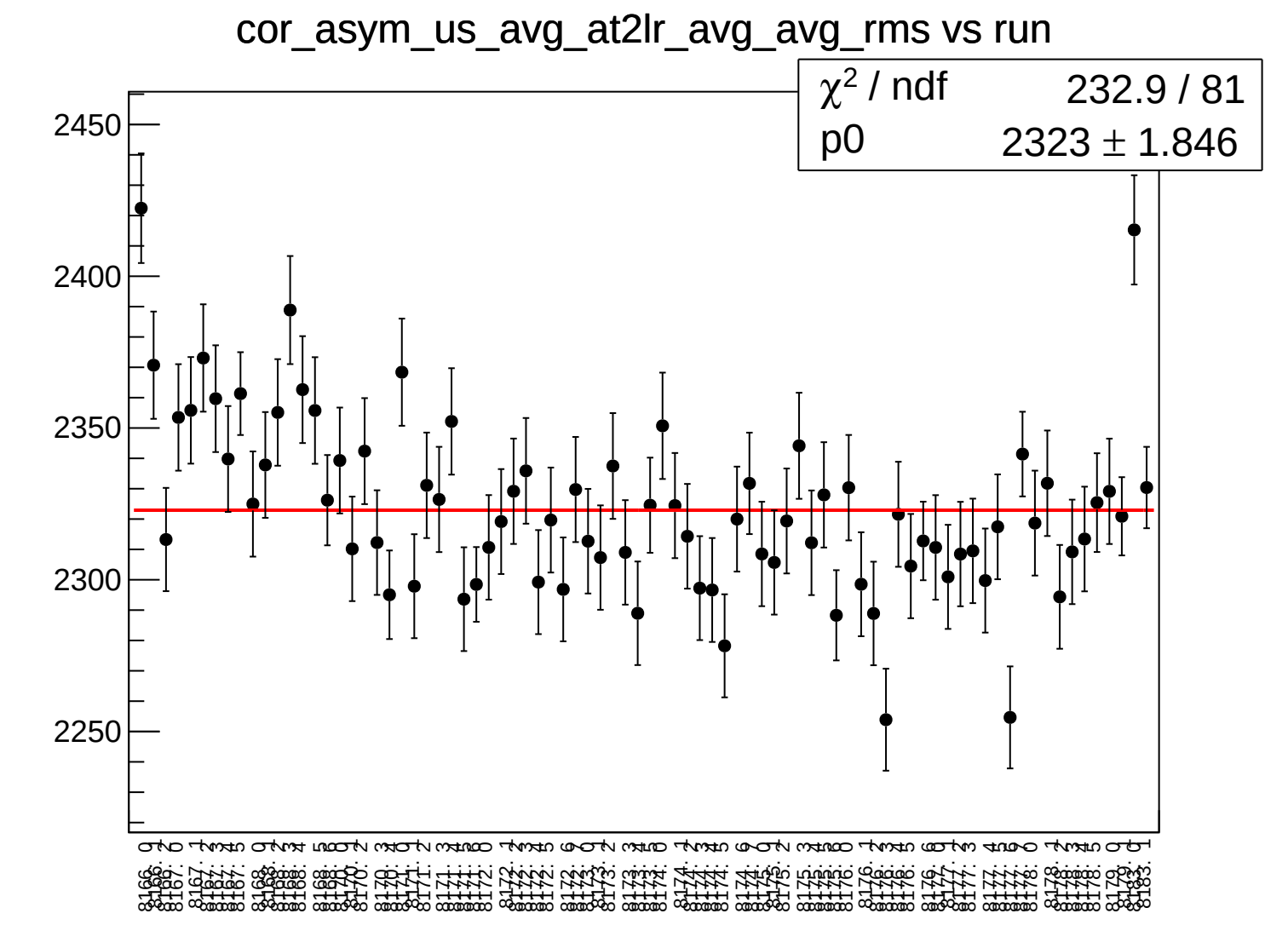

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 97.5 / 81
p0 973.9 ± 1.411e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean −4195
Std Dev 0
2
1
0
−1
−2
−3

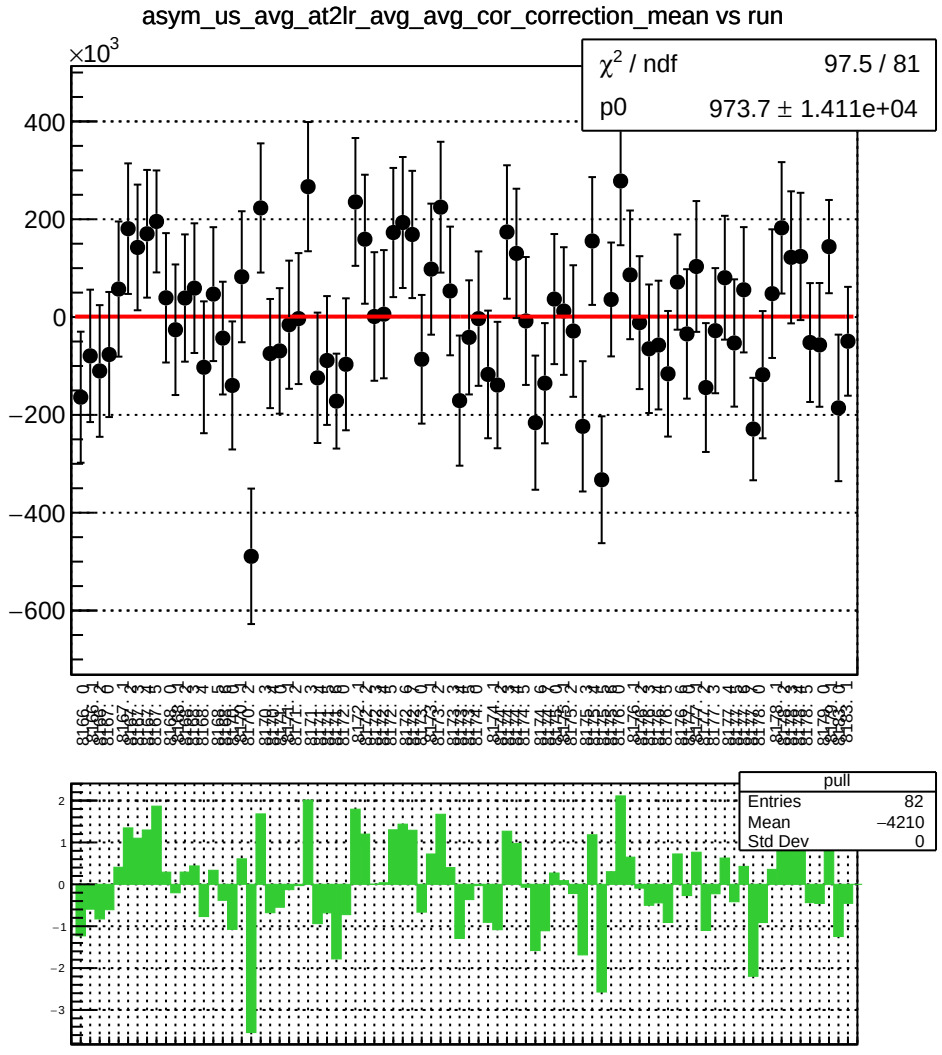

pull1D
Entries 82
Mean 0.0002512
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

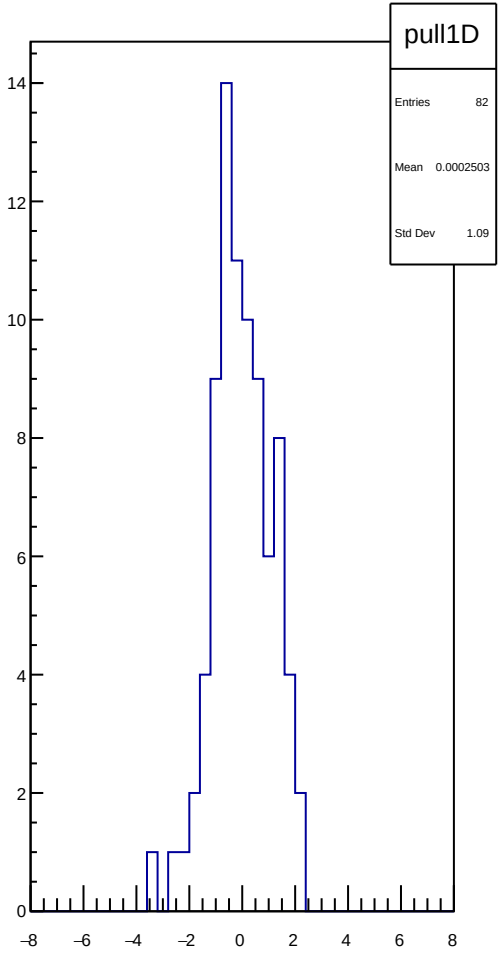

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ^2 / ndf 1087 / 81
p0 1.255e+04 ± 9.98
14500
14000
13500
13000
12500
12000

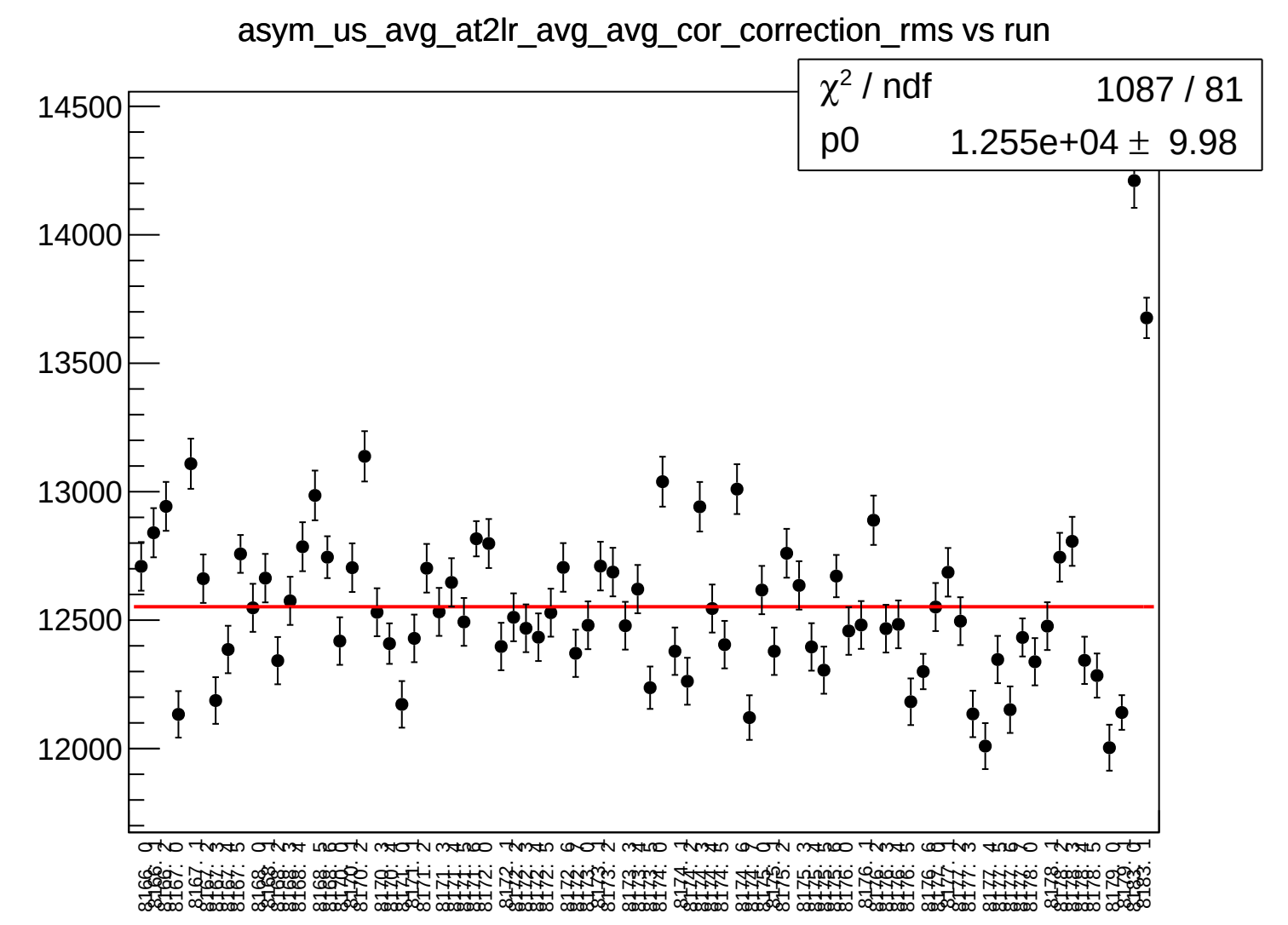

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 90.77 / 81
p0 6623 ± 2611
100
50
0
−50
−100
pull
Entries 82
Mean −664
Std Dev 0
2
1
0
−1
−2
−3

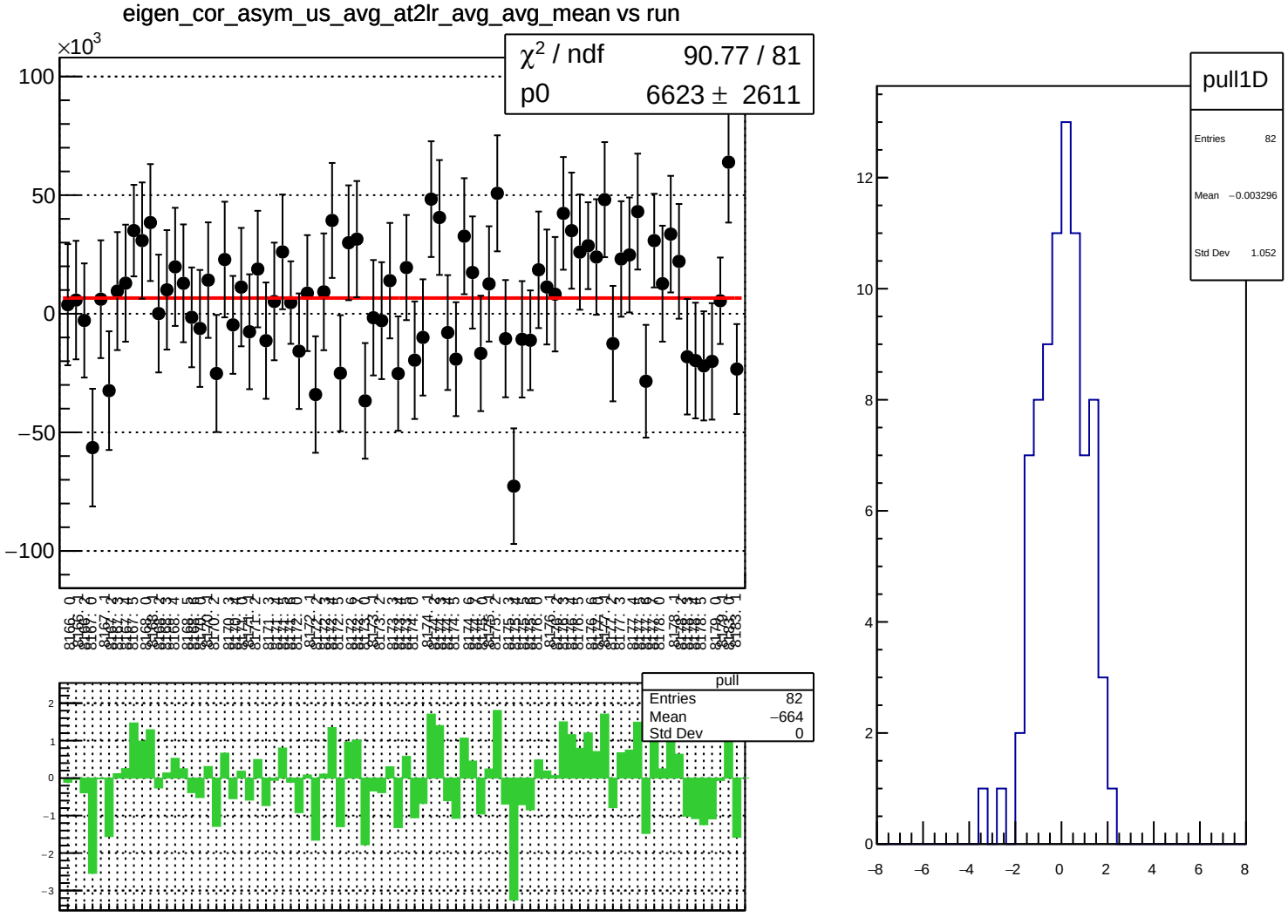

pull1D
Entries 82
Mean −0.003296
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

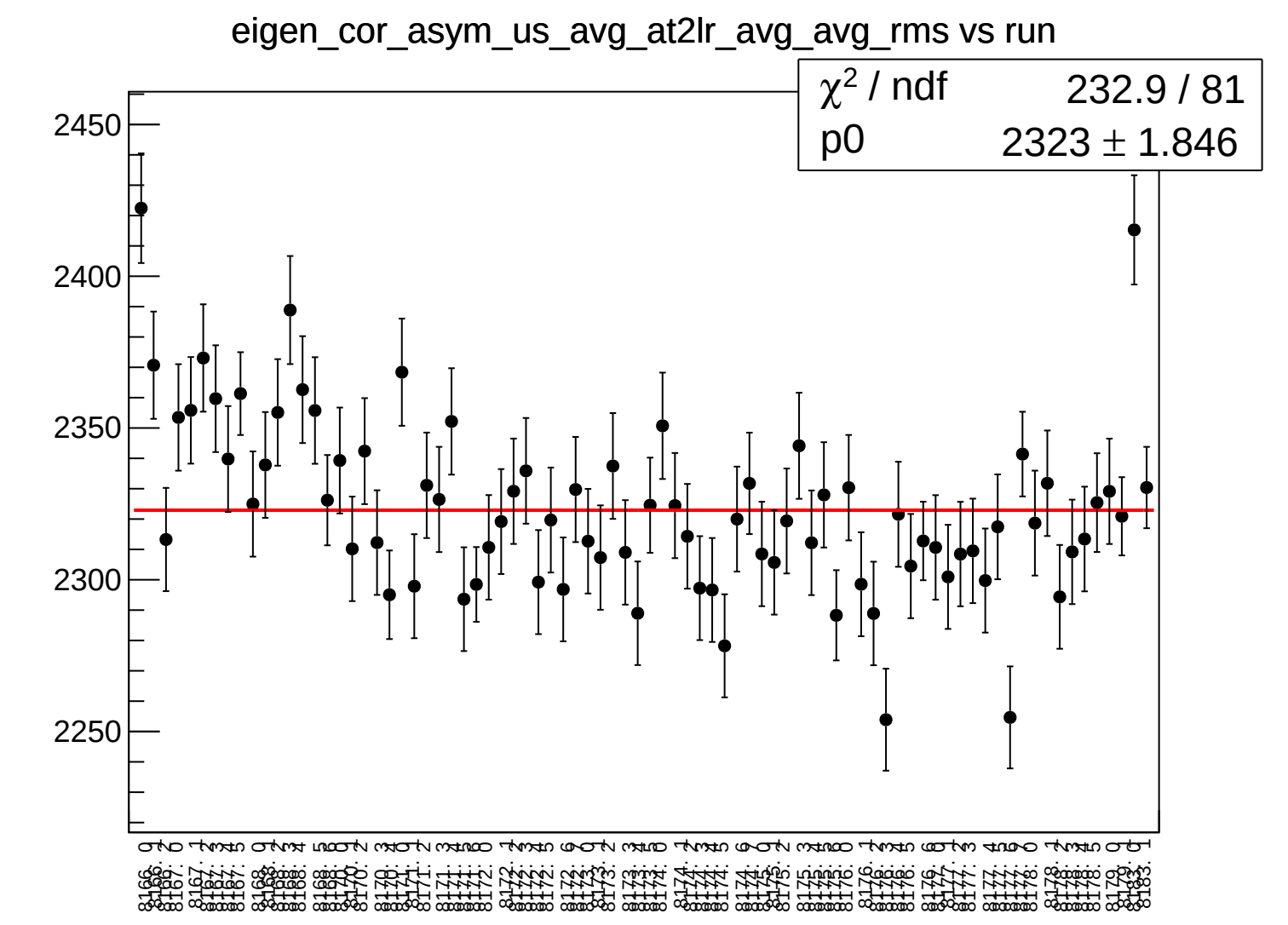

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 232.9 / 81
p0 2323 ± 1.846
2450
2400
2350
2300
2250

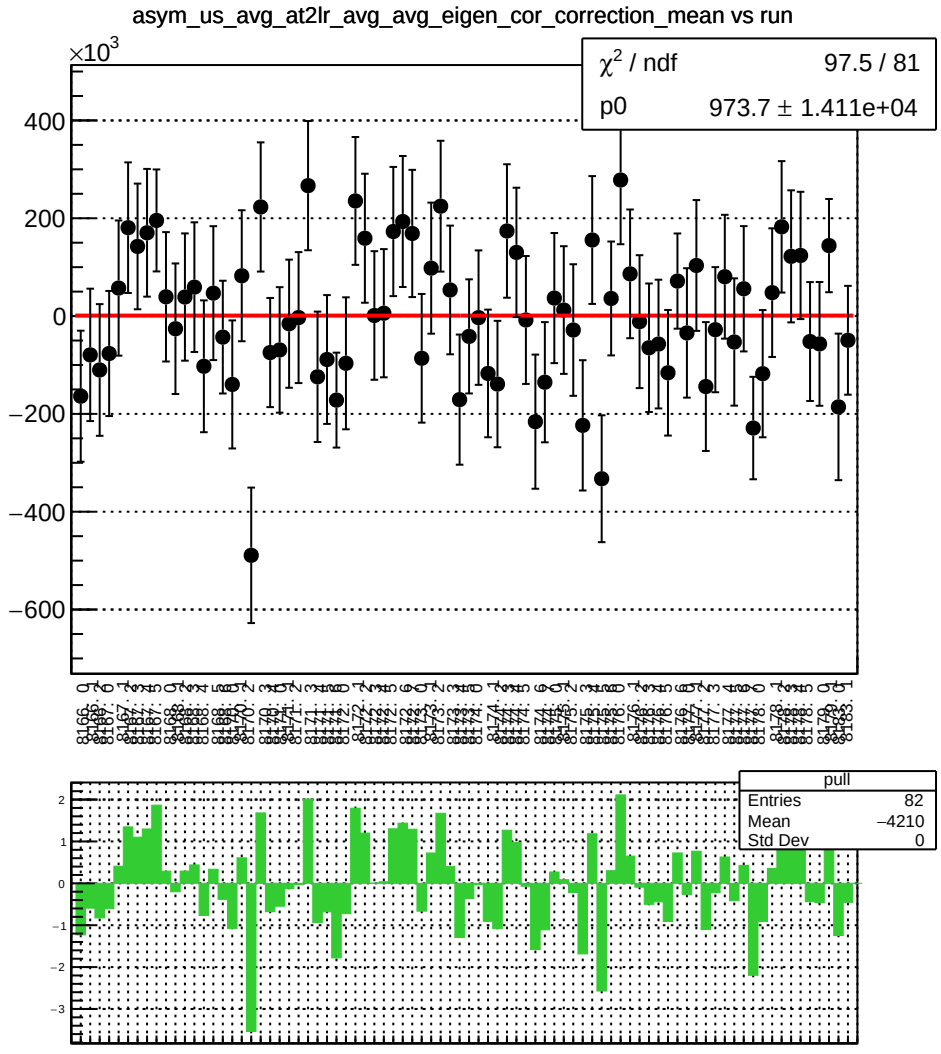

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 97.5 / 81
p0 973.7 ± 1.411e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean −4210
Std Dev 0
2
1
0
−1
−2
−3

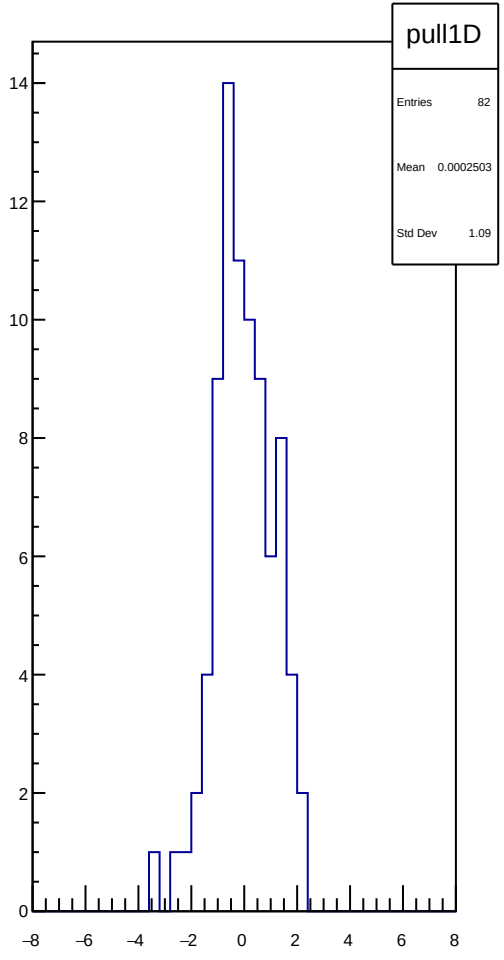

pull1D
Entries 82
Mean 0.0002503
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

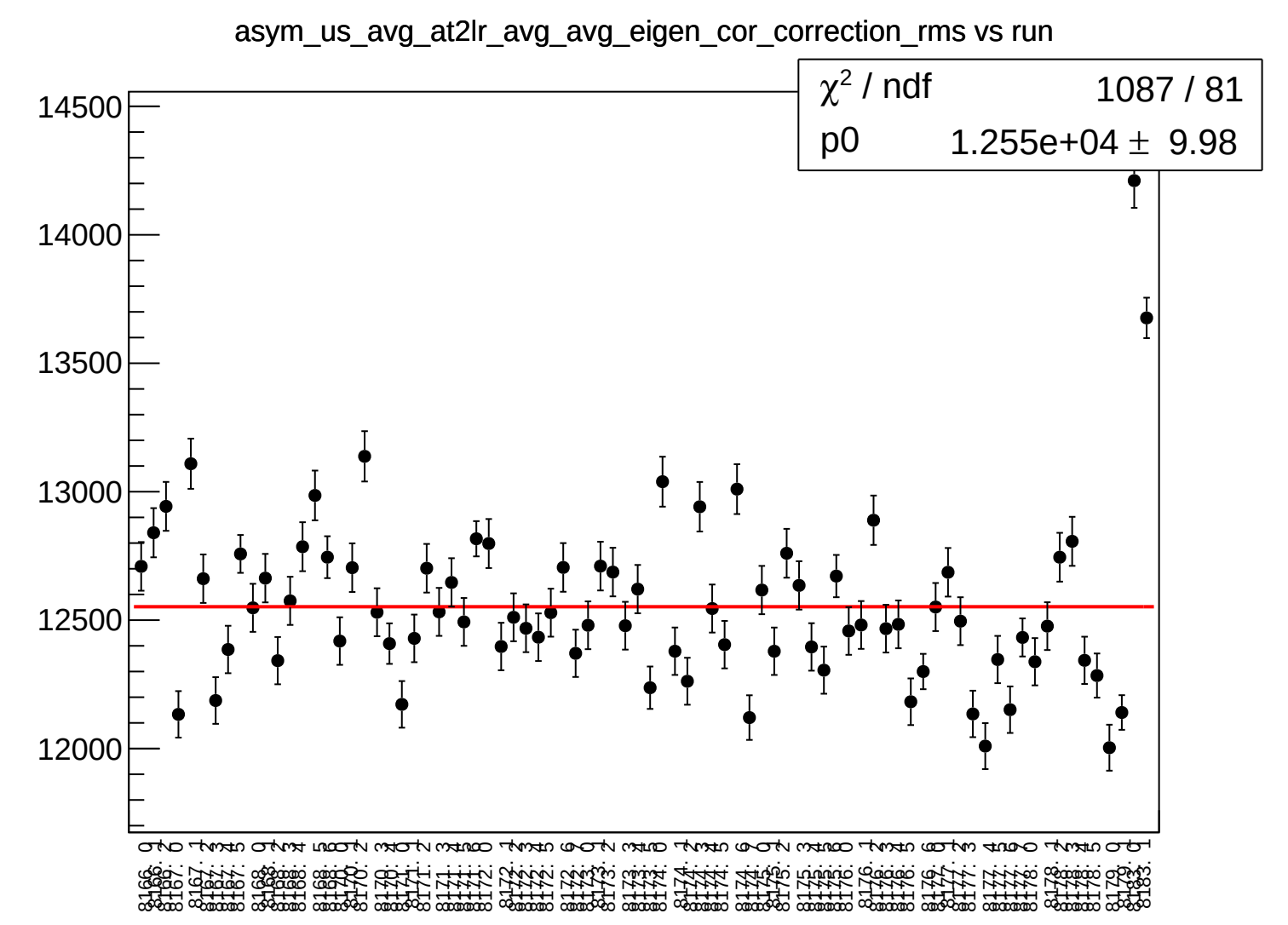

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1087 / 81
p0 1.255e+04 ± 9.98
14500
14000
13500
13000
12500
12000

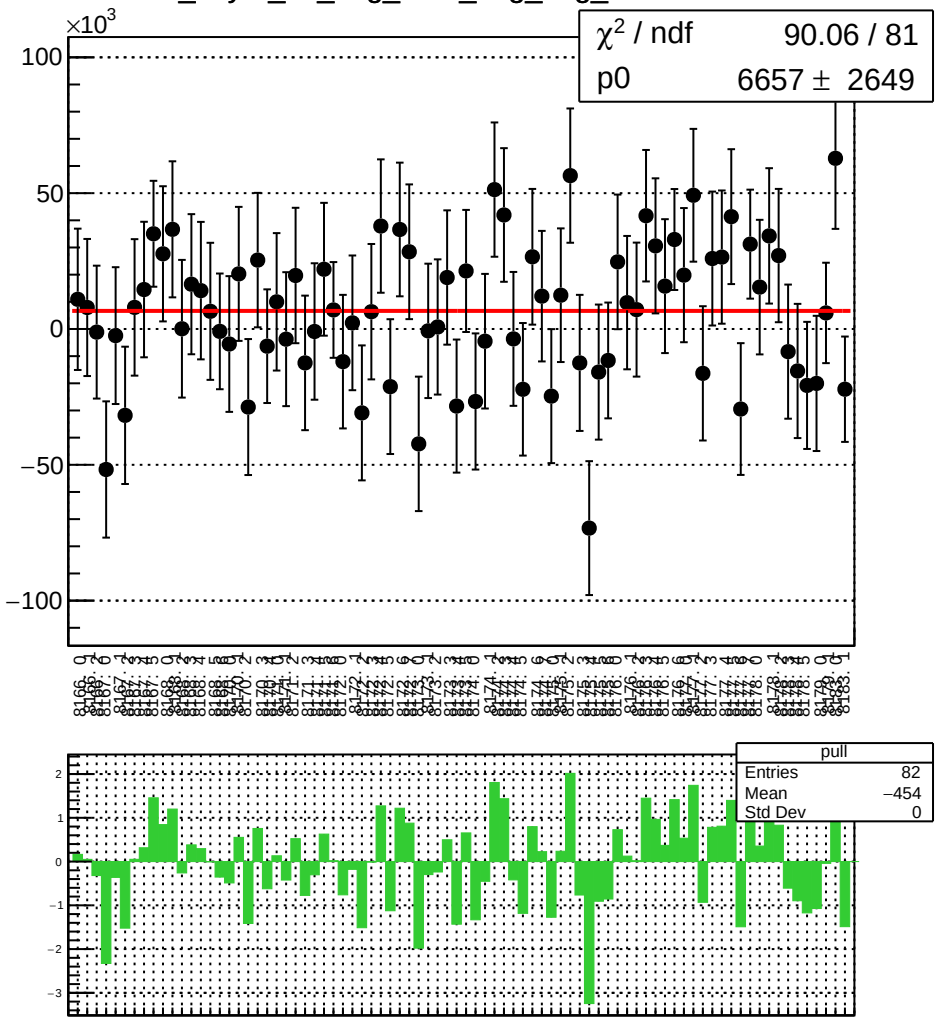

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 90.77 / 81
p0 6623 ± 2611
100
50
0
−50
−100
pull
Entries 82
Mean −664
Std Dev 0
pull1D
Entries 82
Mean −0.003296
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

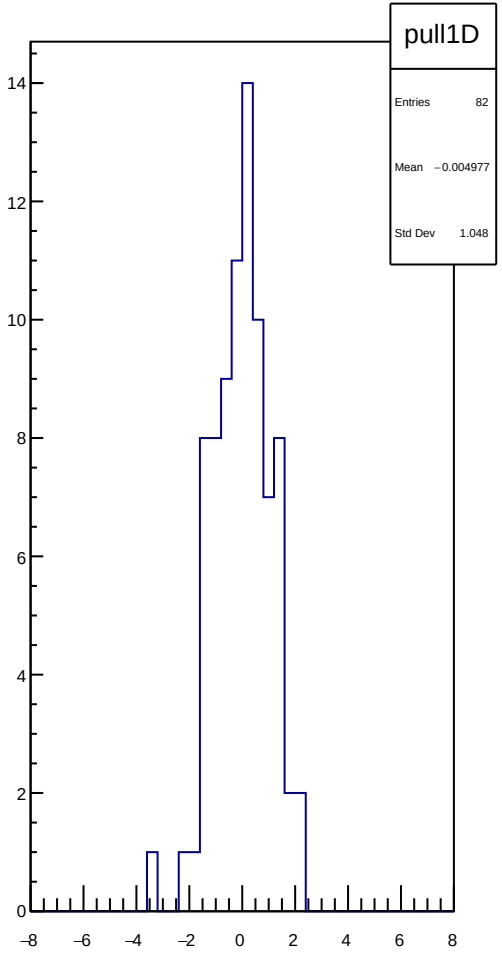

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 232.9 / 81
p0 2323 ± 1.846
2450
2400
2350
2300
2250

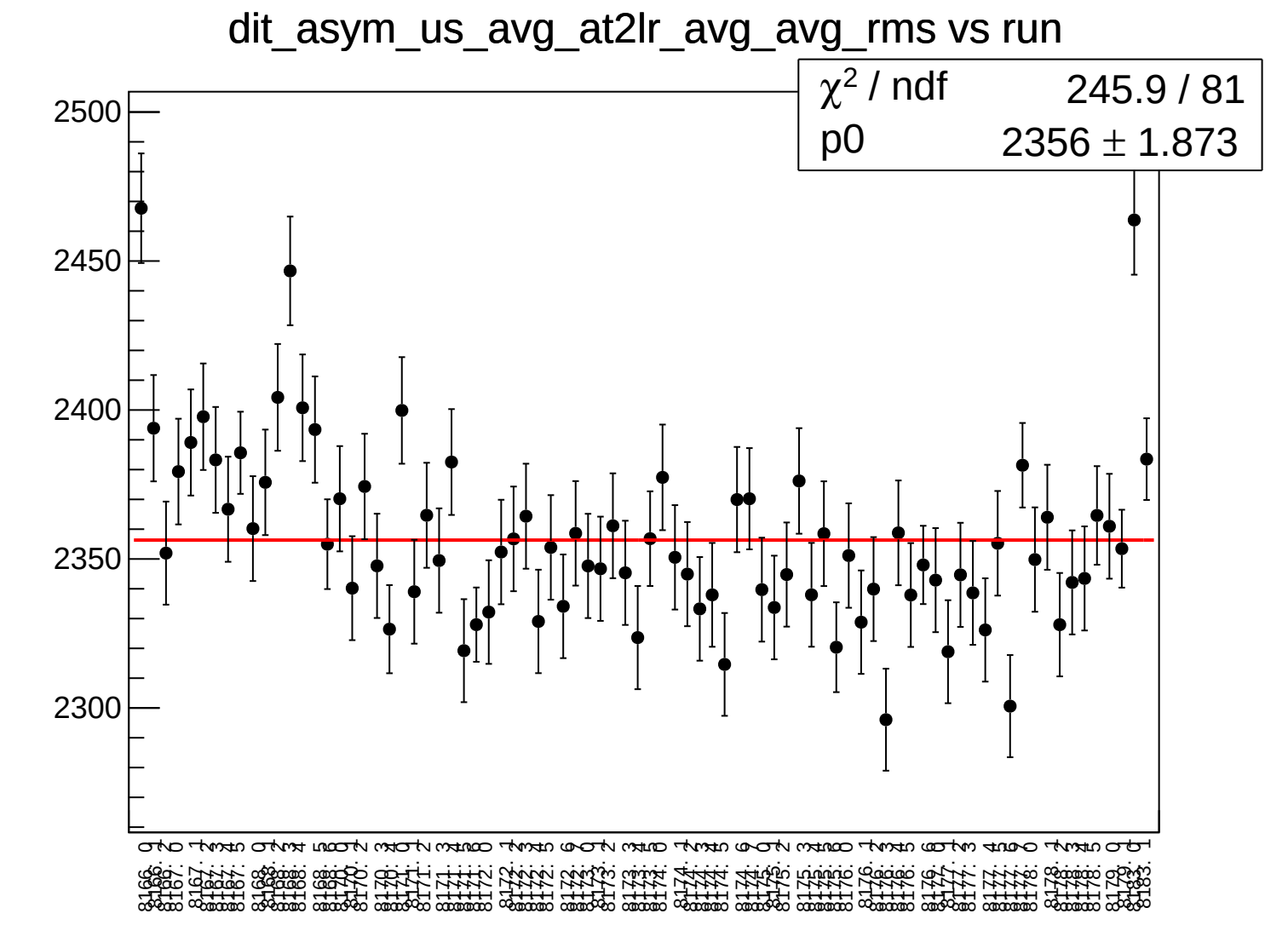

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.5 / 81
p0 973.7 ± 1.411e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean −4210
Std Dev 0
2
1
0
−1
−2
−3

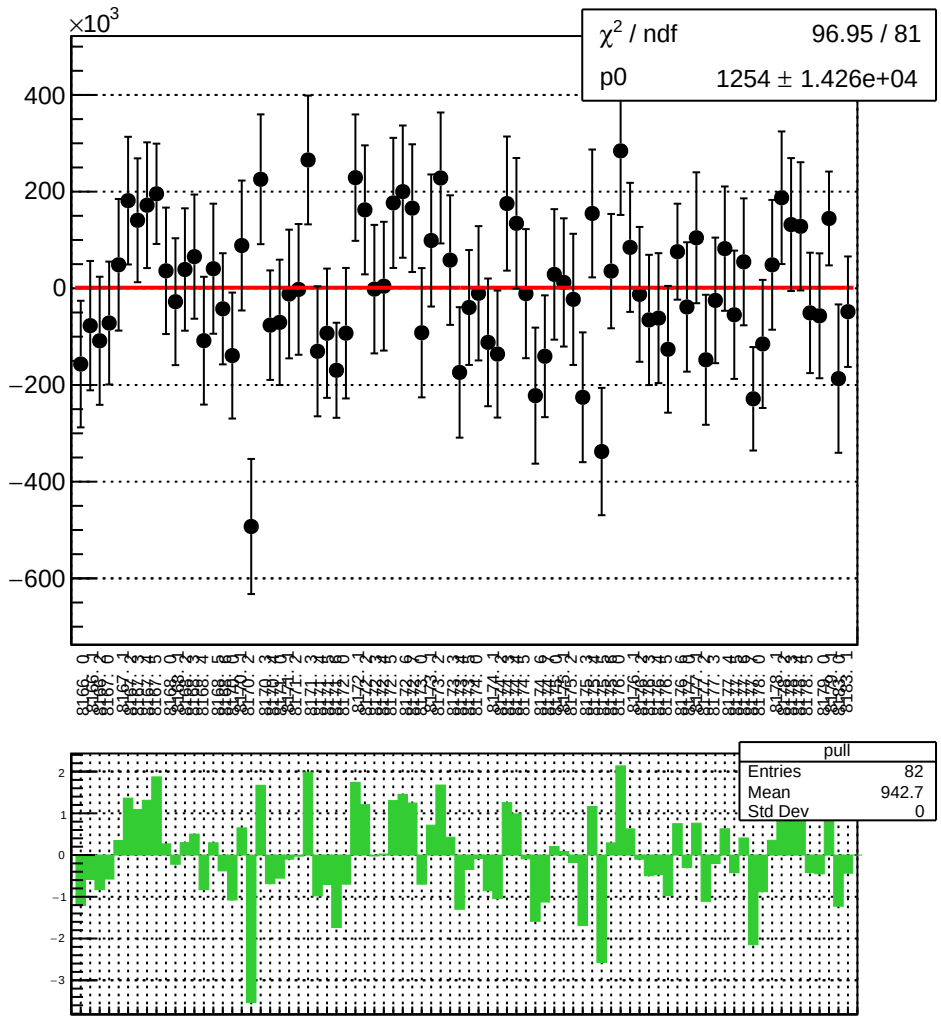

pull1D
Entries 82
Mean 0.0002503
Std Dev 1.09
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

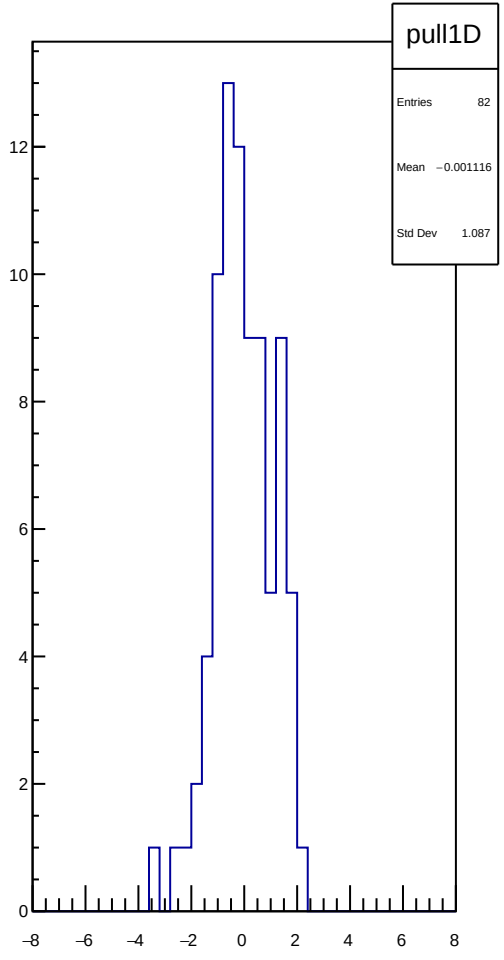

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1087 / 81
p0 1.255e+04 ± 9.98
14500
14000
13500
13000
12500
12000

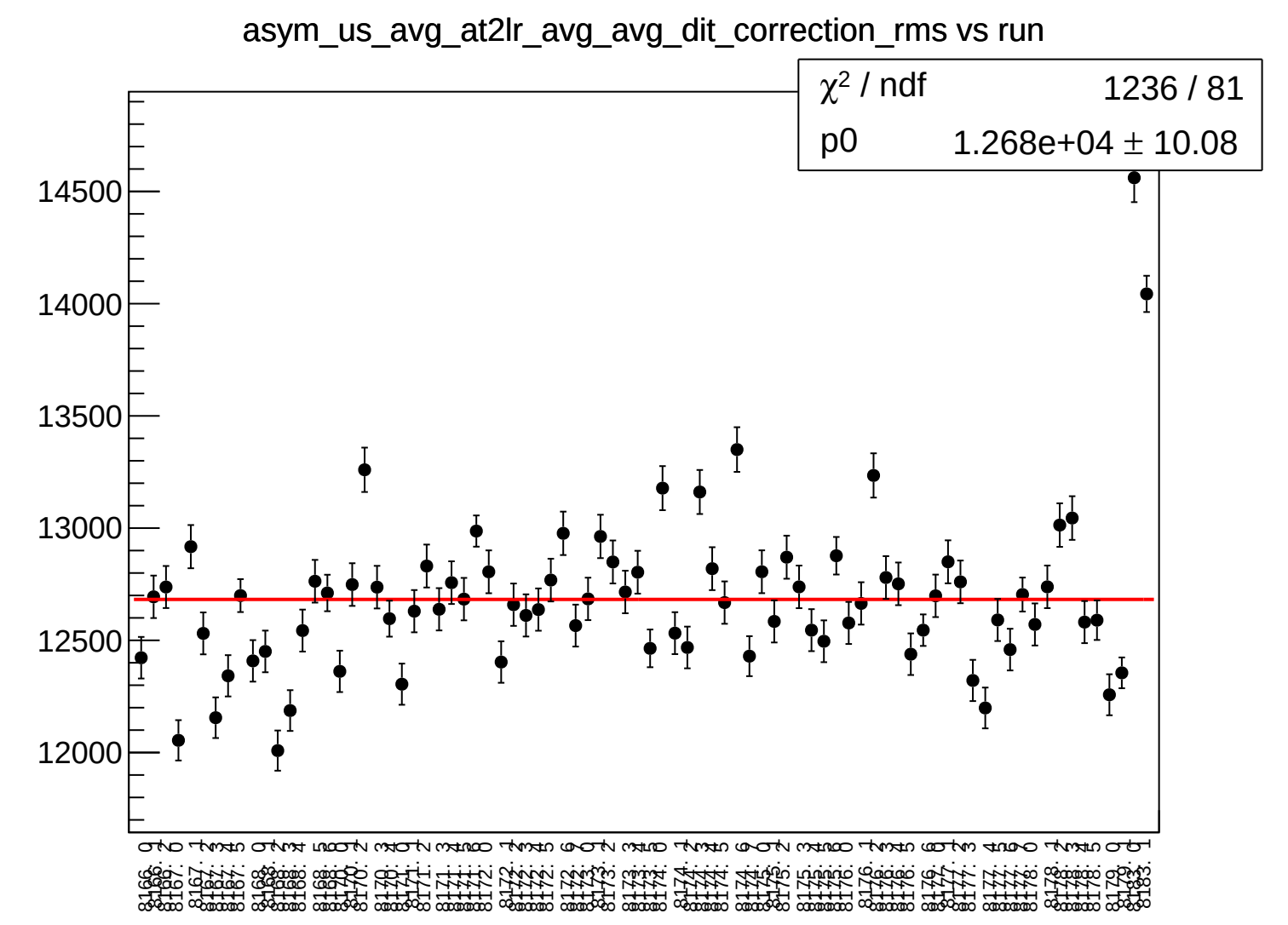

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 90.06 / 81
p0 6657 ± 2649
100
50
0
−50
−100
pull
Entries 82
Mean −454
Std Dev 0
2
1
0
−1
−2
−3

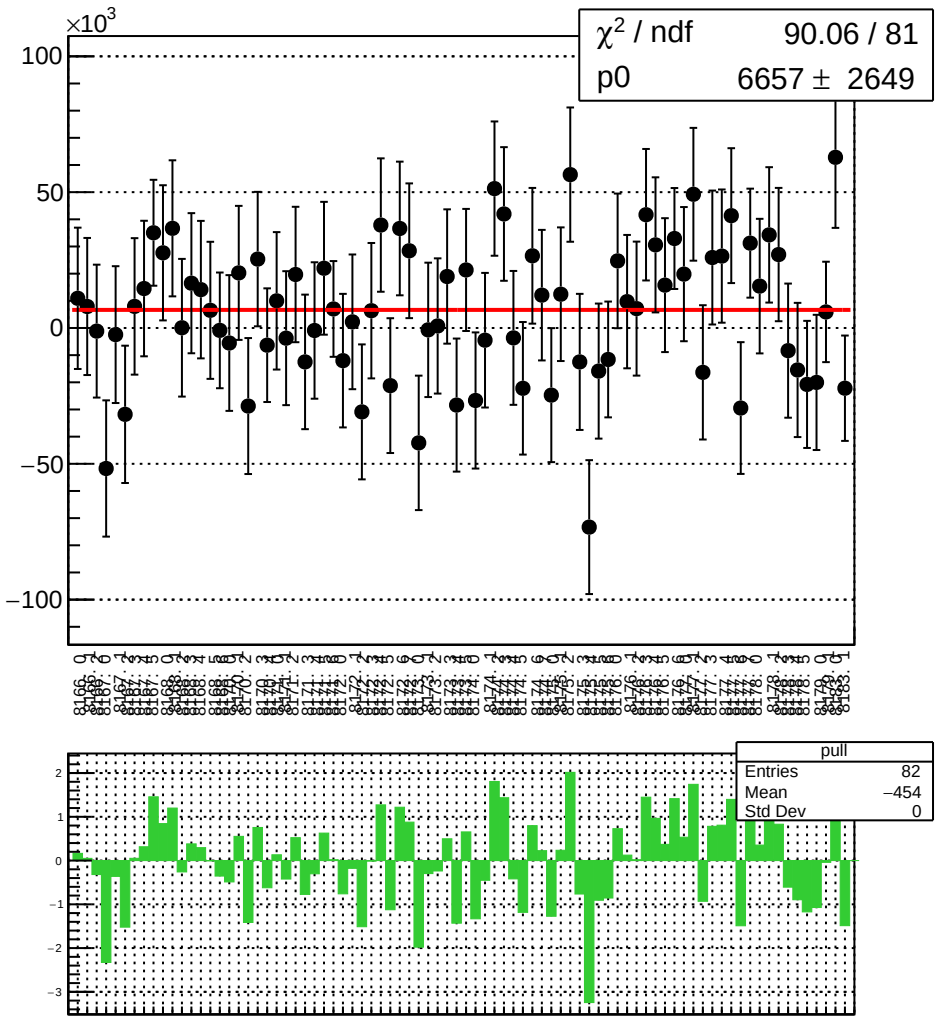

pull1D
Entries 82
Mean −0.004977
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

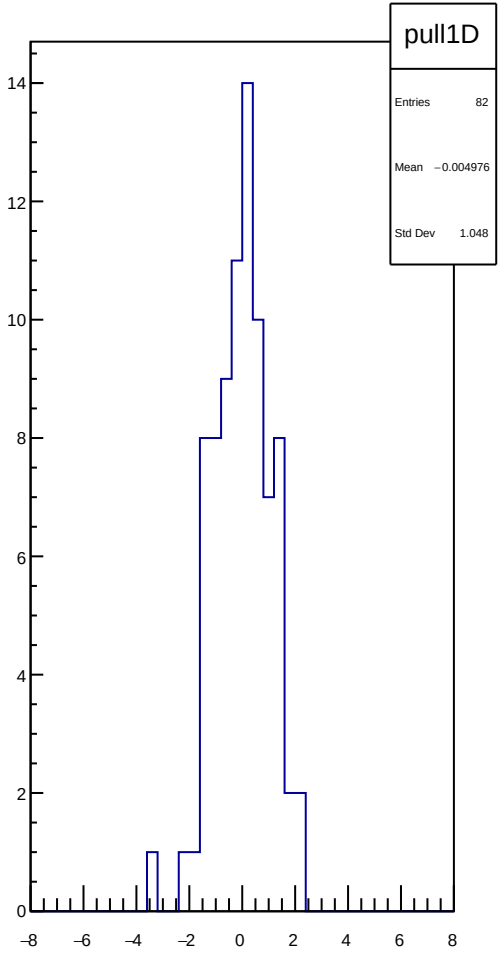

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 245.9 / 81
p0 2356 ± 1.873
2500
2450
2400
2350
2300

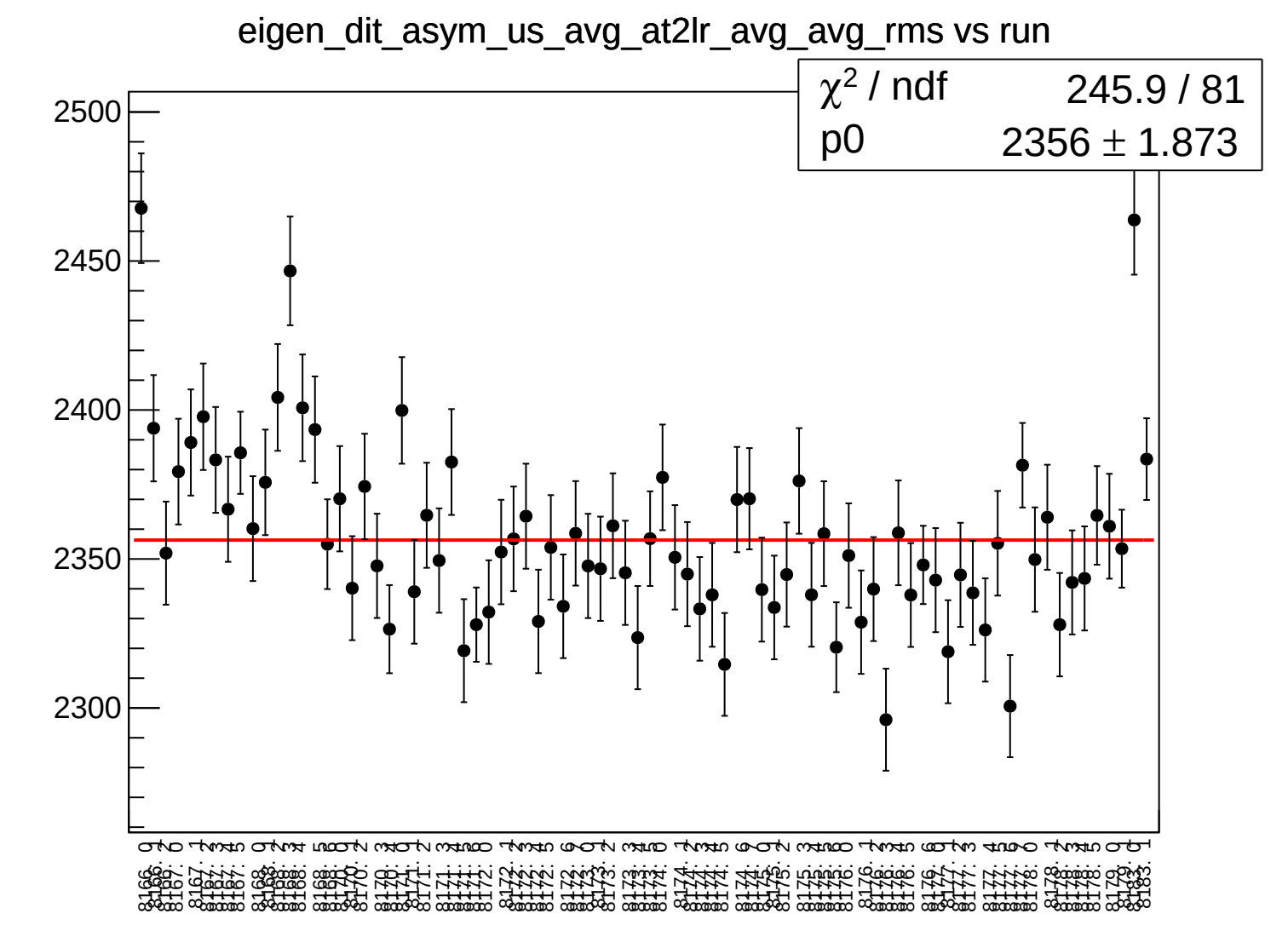

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.95 / 81
p0 1254 ± 1.426e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 942.7
Std Dev 0
2
1
0
−1
−2
−3

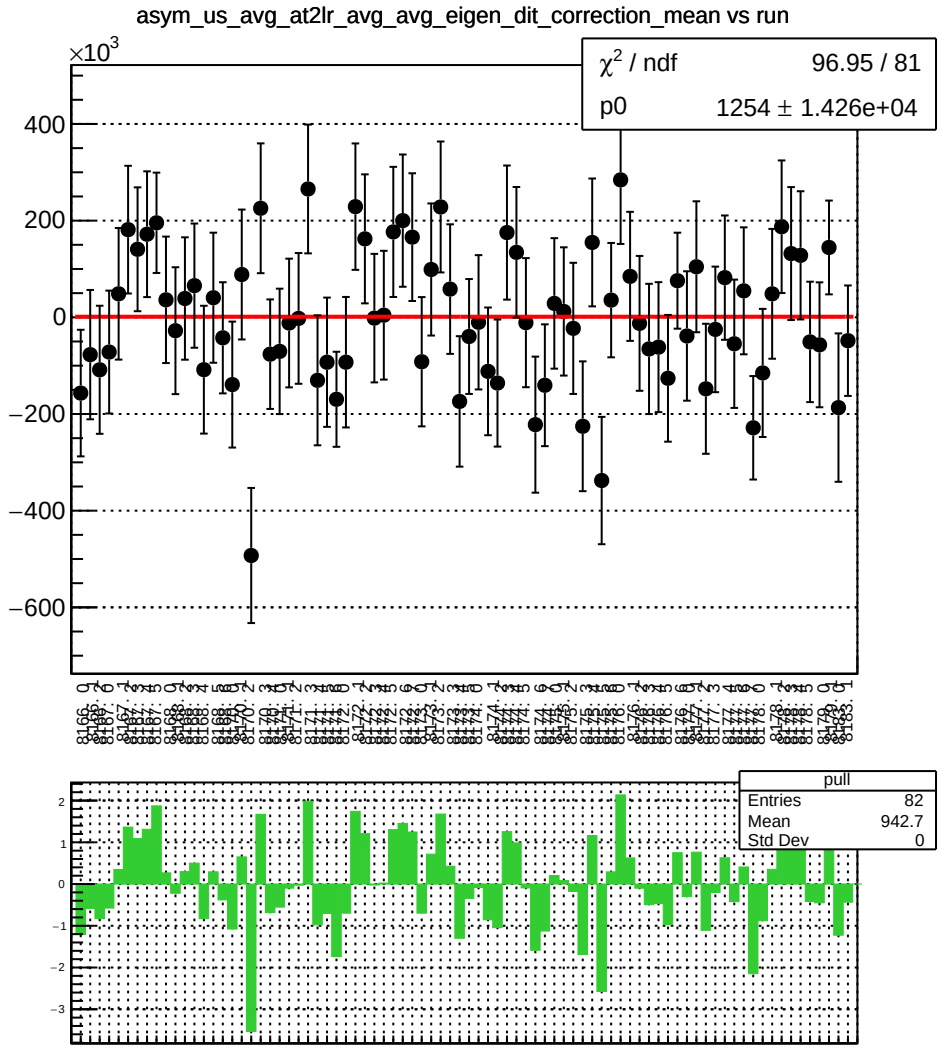

pull1D
Entries 82
Mean −0.001116
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

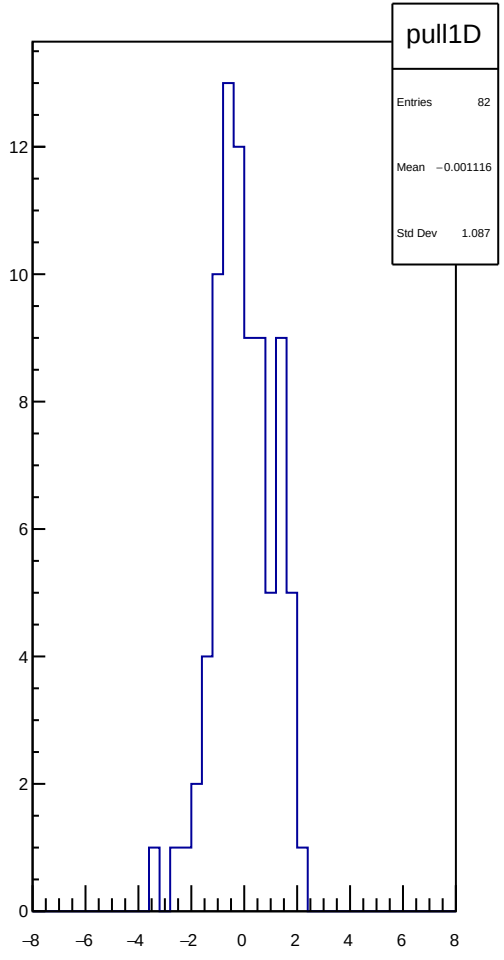

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1236 / 81
p0 1.268e+04 ± 10.08
14500
14000
13500
13000
12500
12000

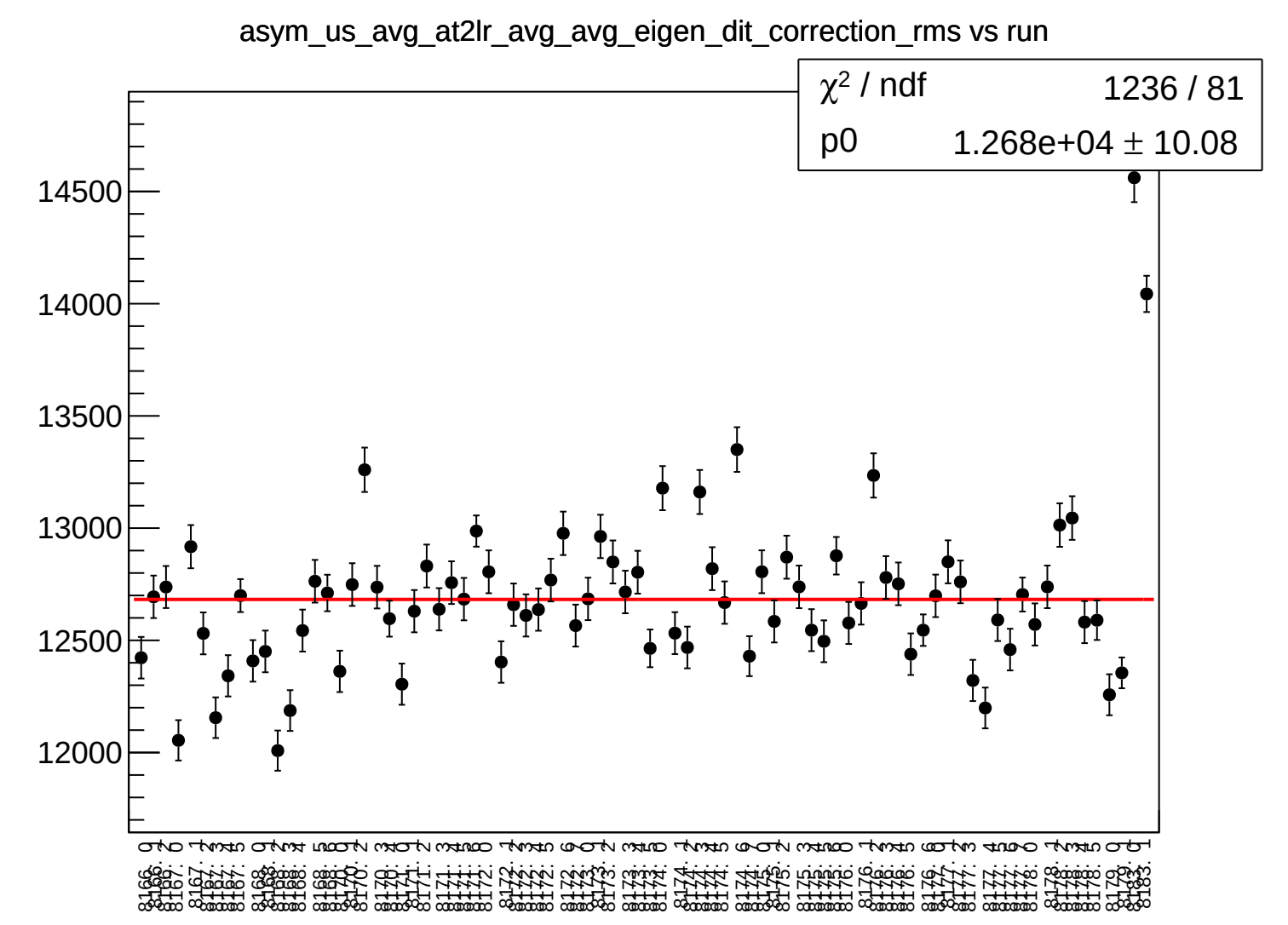

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 90.06 / 81
p0 6657 ± 2649
100
50
0
−50
−100
pull
Entries 82
Mean −454
Std Dev 0
2
1
0
−1
−2
−3

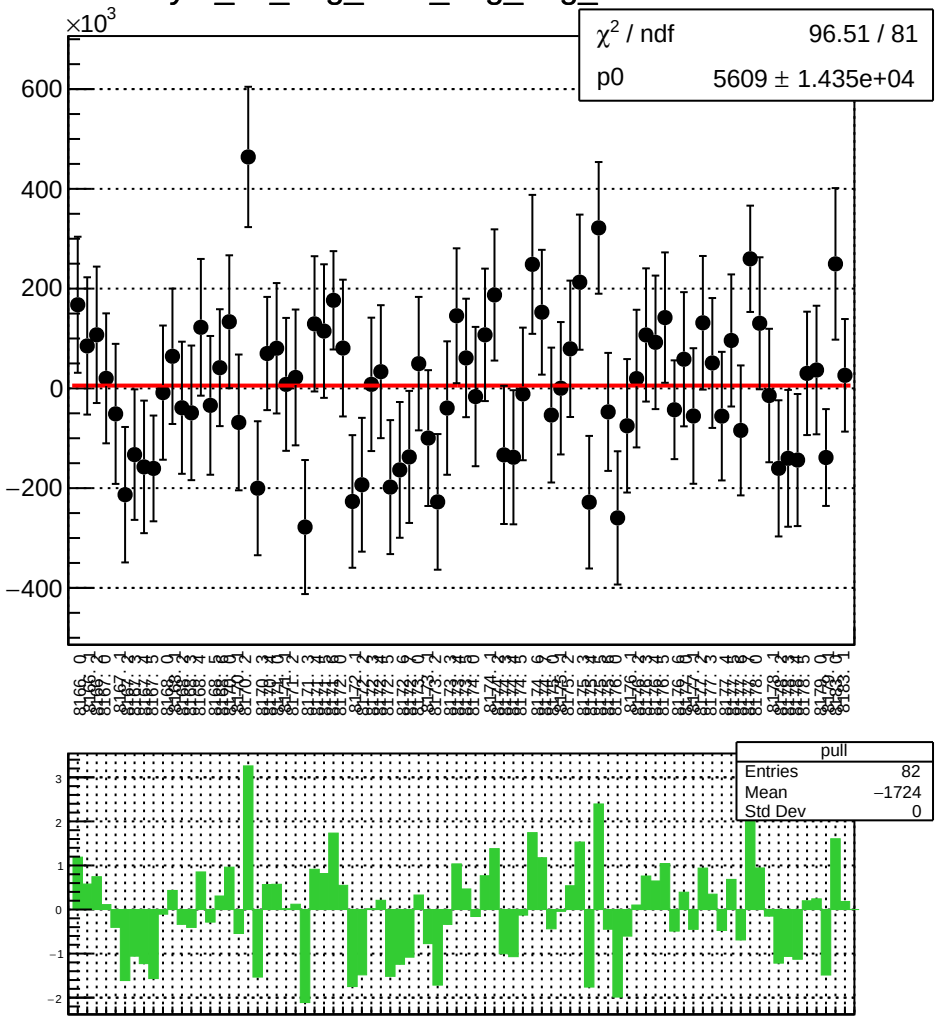

pull1D
Entries 82
Mean −0.004976
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

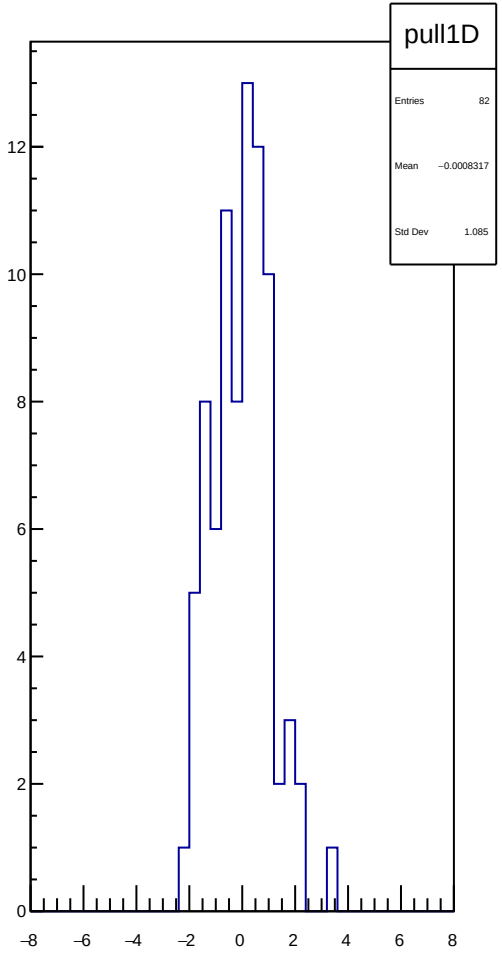

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 245.9 / 81
p0 2356 ± 1.873
2500
2450
2400
2350
2300

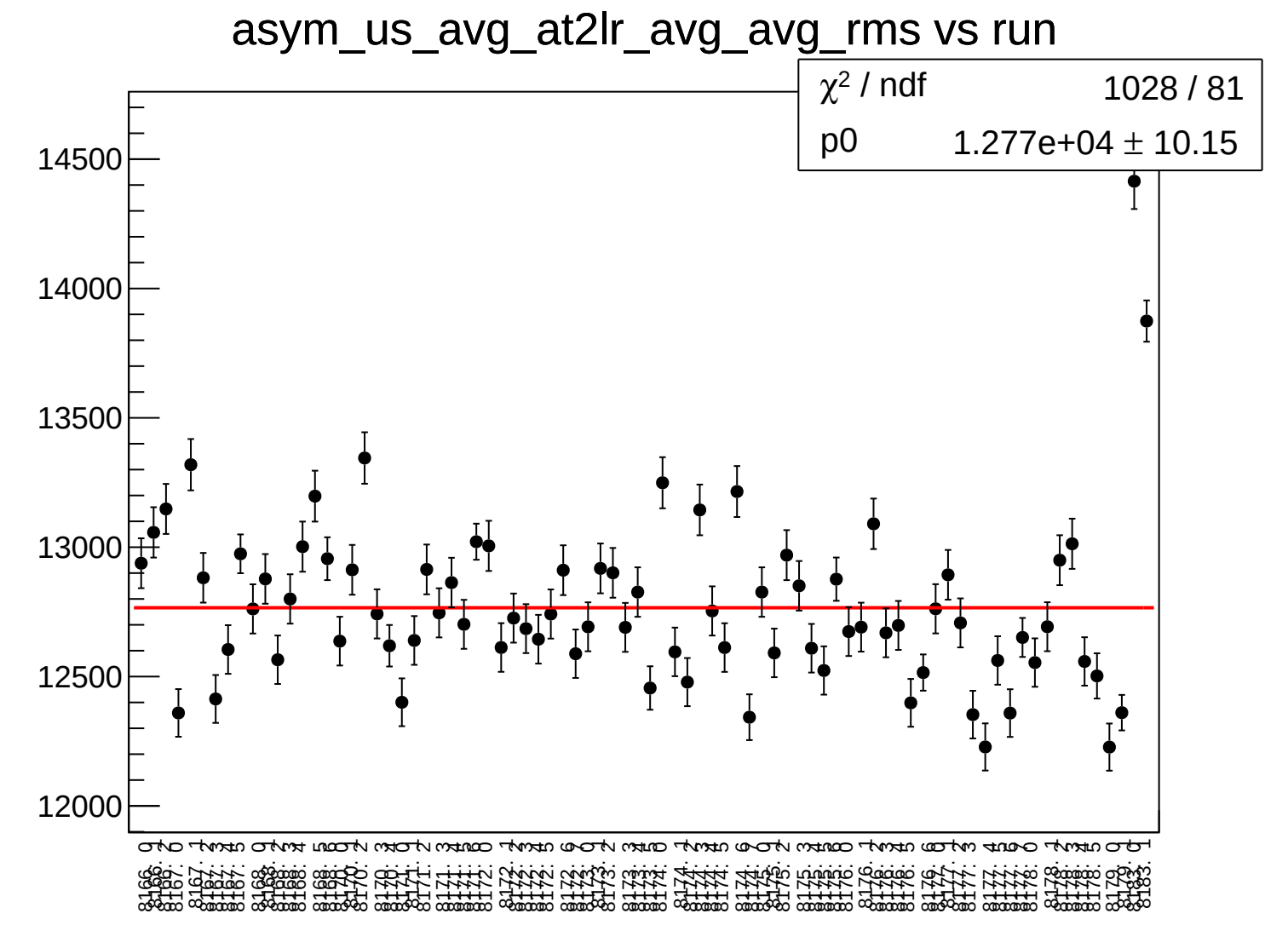

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.95 / 81
p0 1254 ± 1.426e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 942.7
Std Dev 0
2
1
0
−1
−2
−3

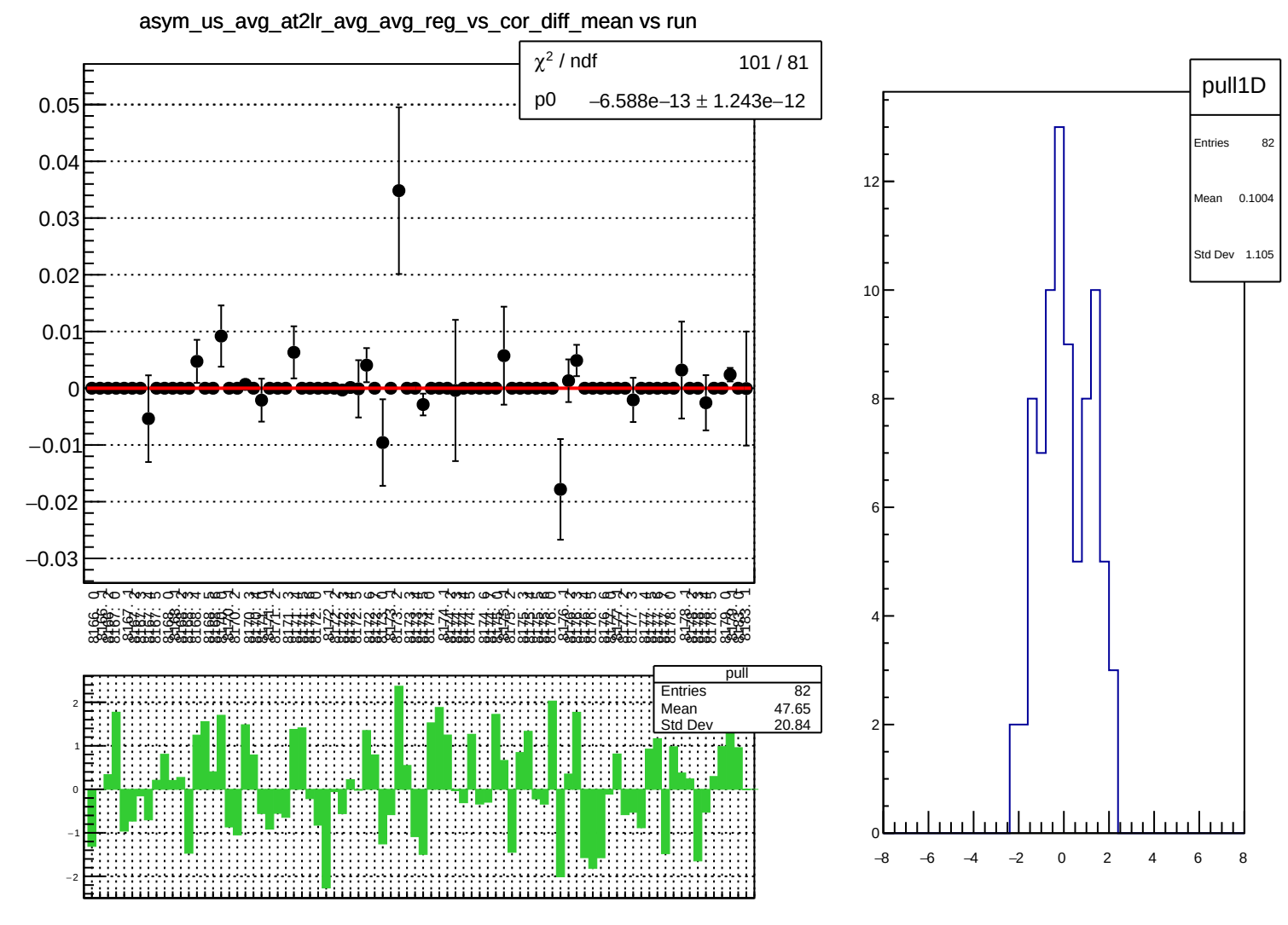

pull1D
Entries 82
Mean −0.001116
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

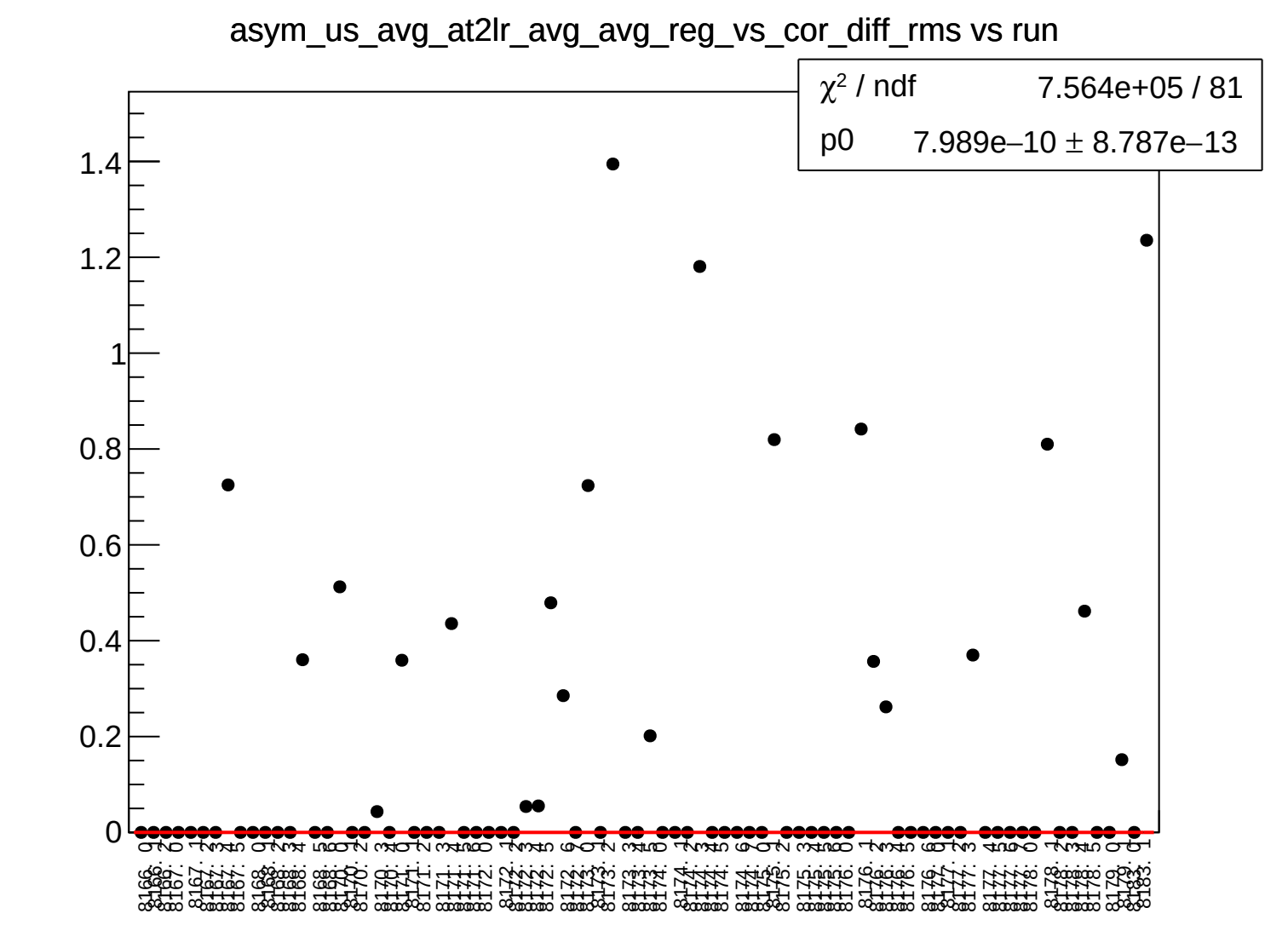

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1236 / 81
p0 1.268e+04 ± 10.08
14500
14000
13500
13000
12500
12000

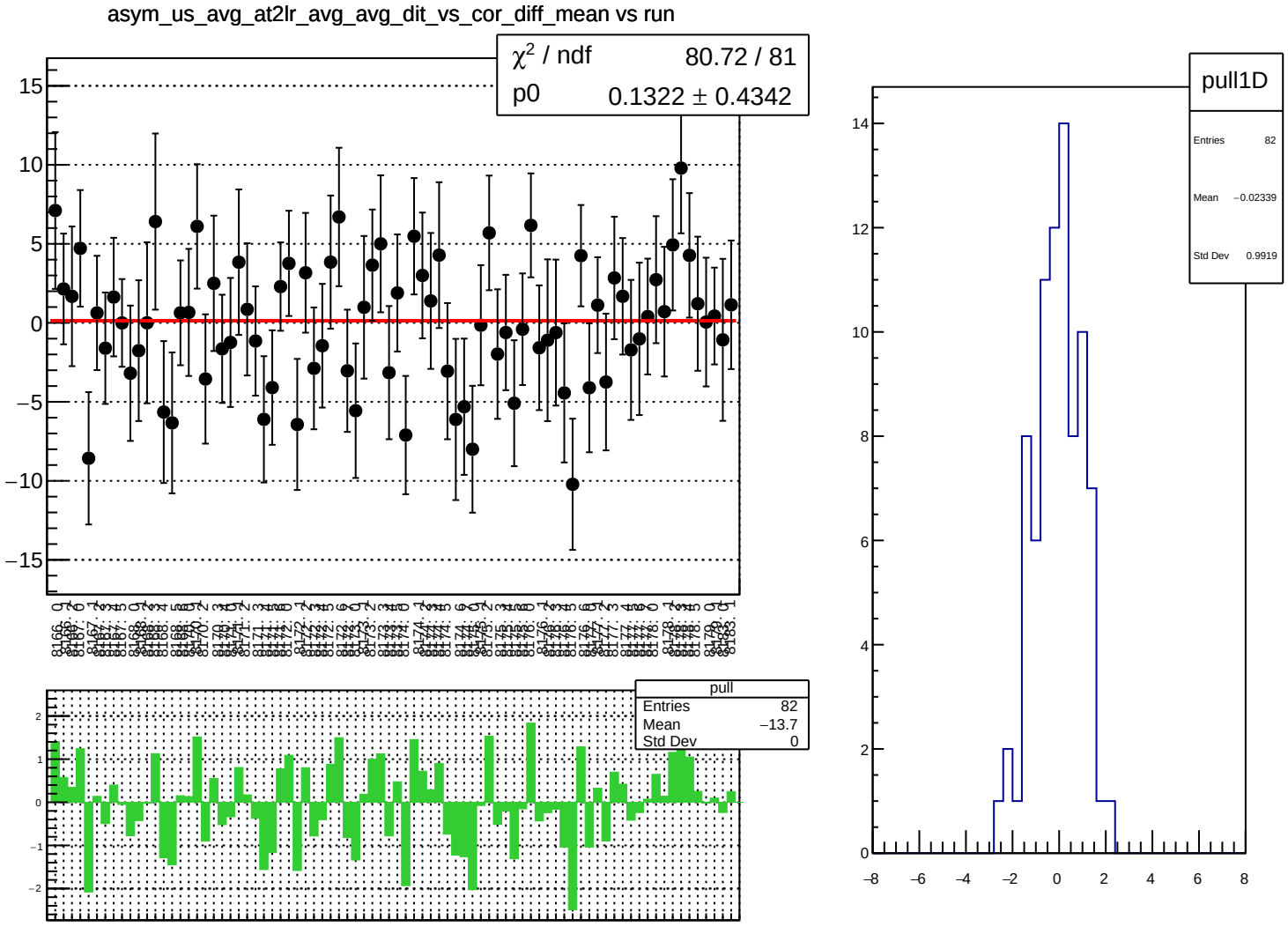

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 96.51 / 81
p0 5609 ± 1.435e+04
600
400
200
0
−200
−400
pull
Entries 82
Mean −1724
Std Dev 0
3
2
1
0
−1
−2

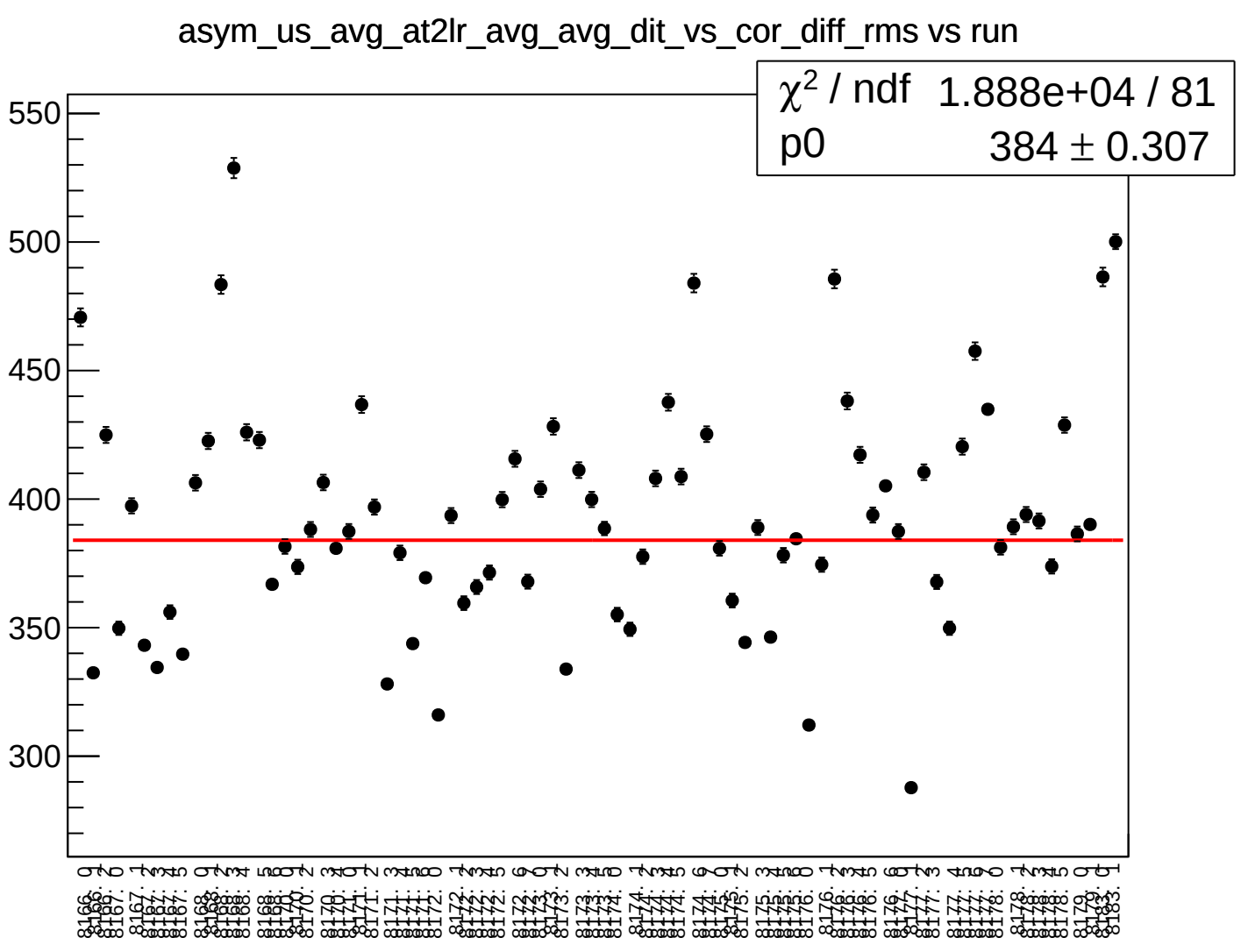

pull1D
Entries 82
Mean −0.0008317
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

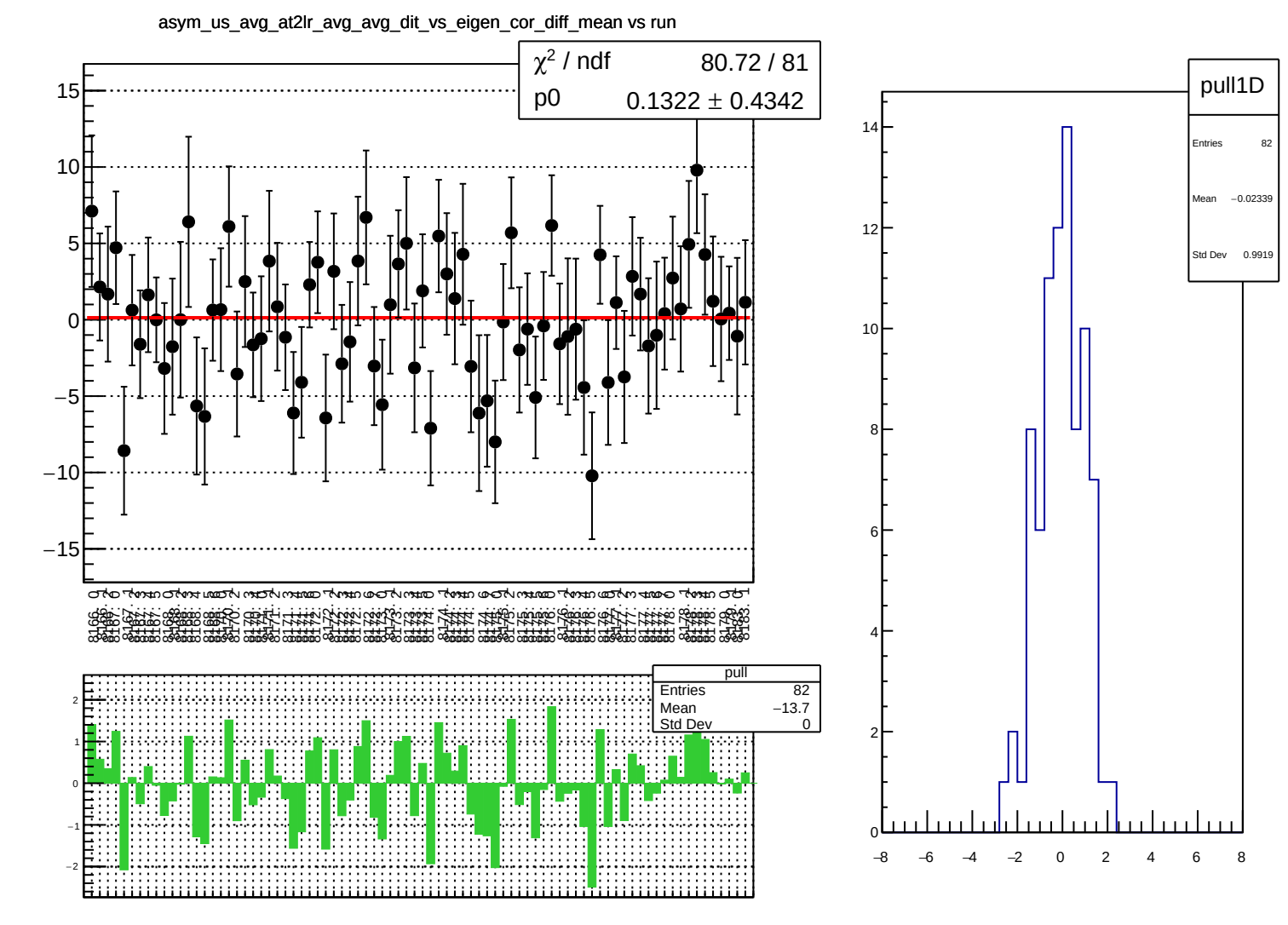

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 1028 / 81
p0 1.277e+04 ± 10.15
14500
14000
13500
13000
12500
12000

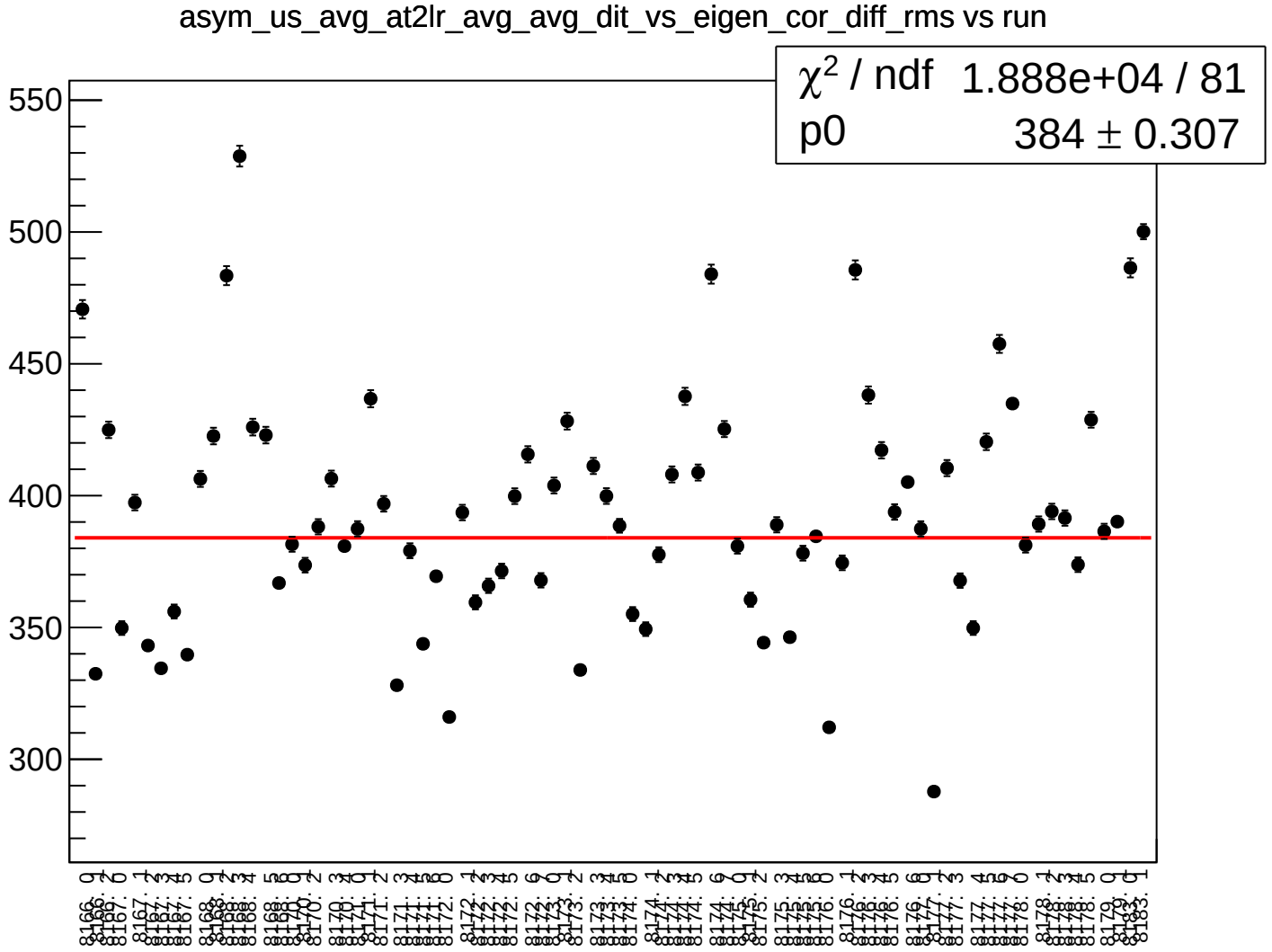

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 101 / 81
p0 −6.588e−13 ± 1.243e−12
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean 47.65
Std Dev 20.84
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.1004
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

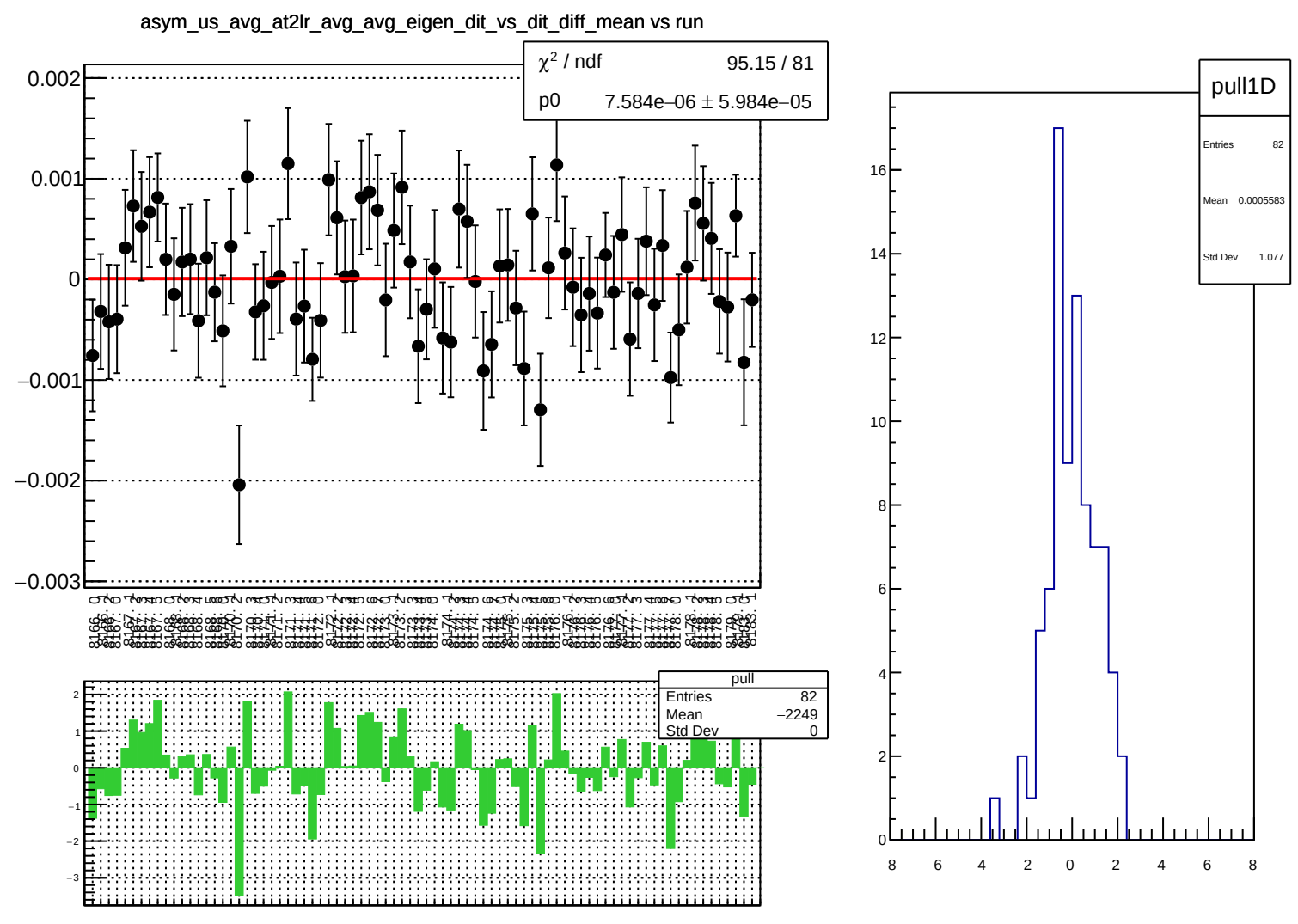

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.564e+05 / 81
p0 7.989e−10 ± 8.787e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

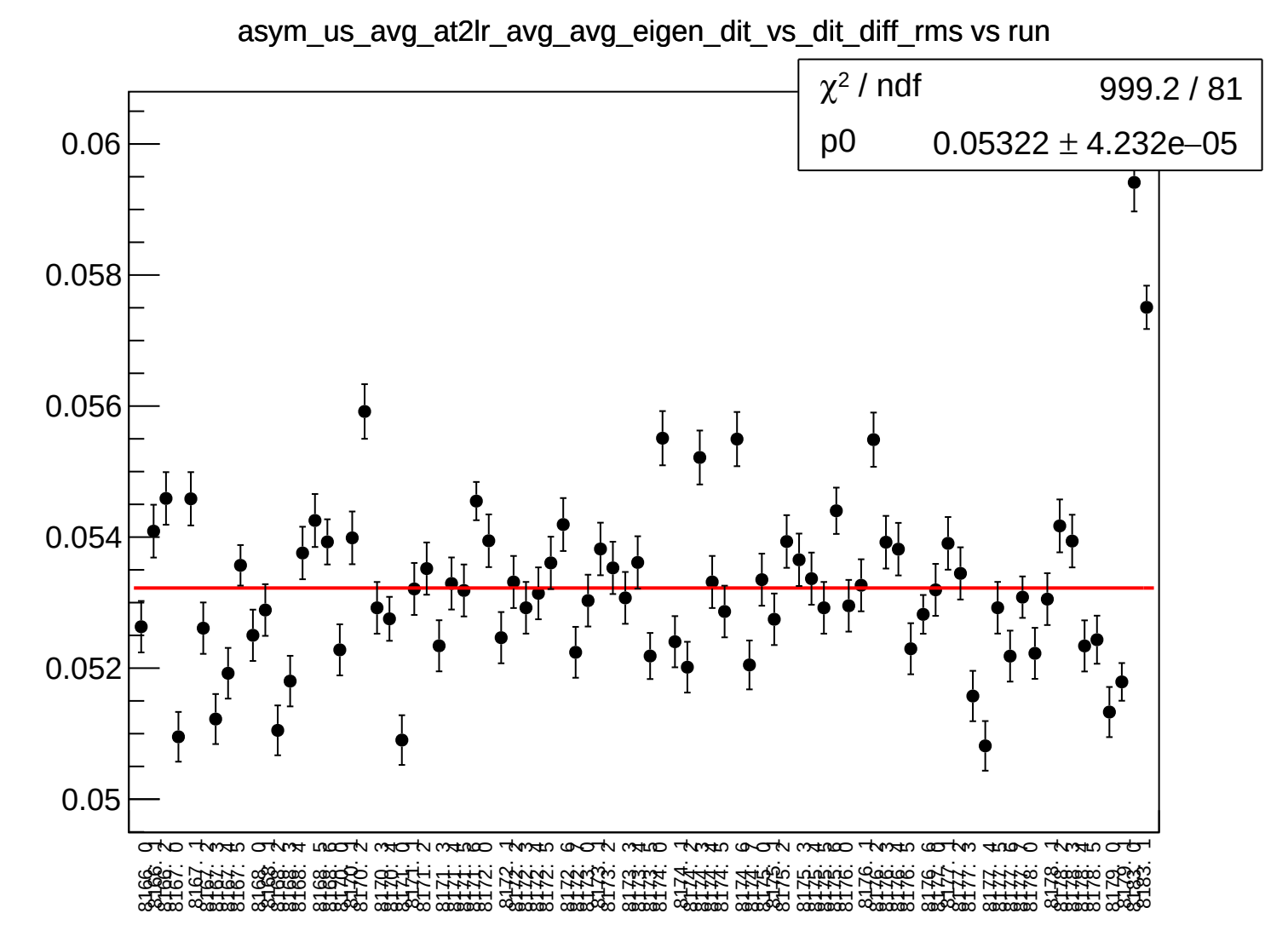

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 80.72 / 81
p0 0.1322 ± 0.4342
pull
Entries 82
Mean −13.7
Std Dev 0
pull1D
Entries 82
Mean −0.02339
Std Dev 0.9919

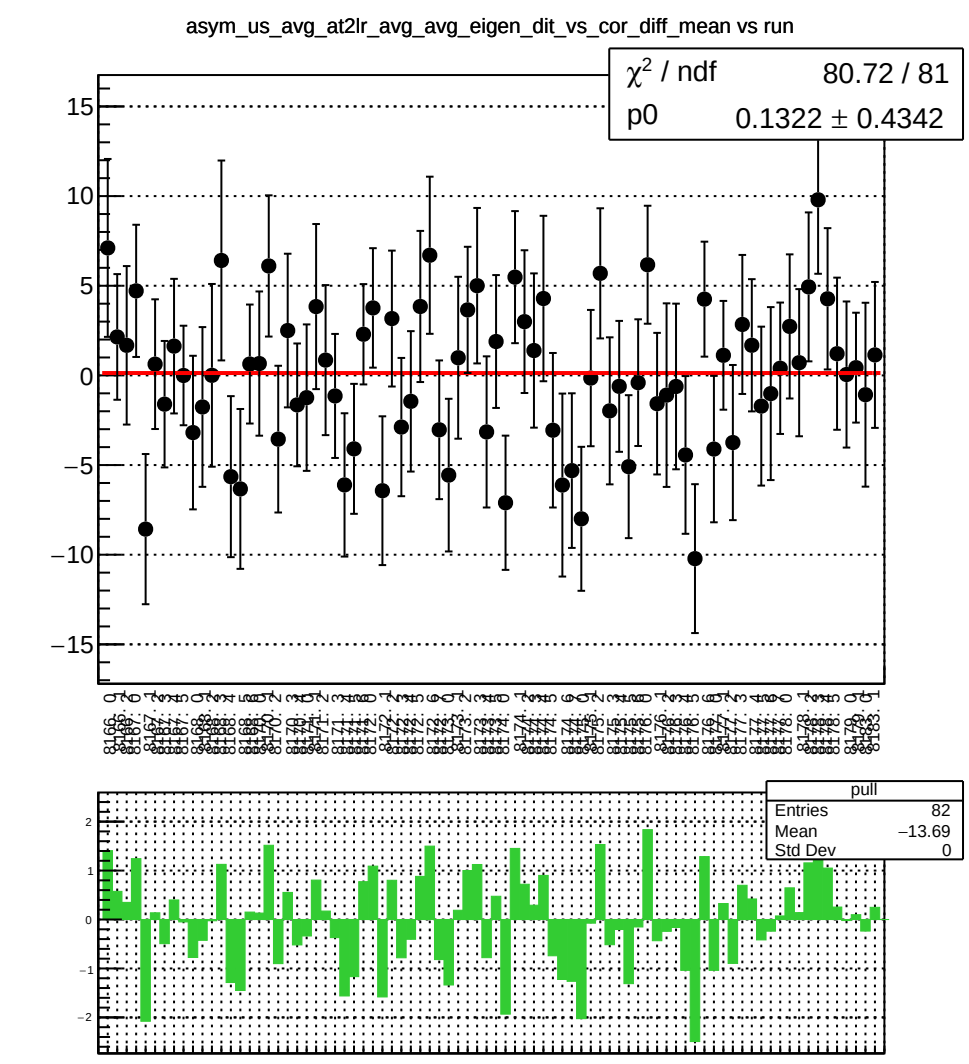

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.888e+04 / 81
p0 384 ± 0.307
550
500
450
400
350
300

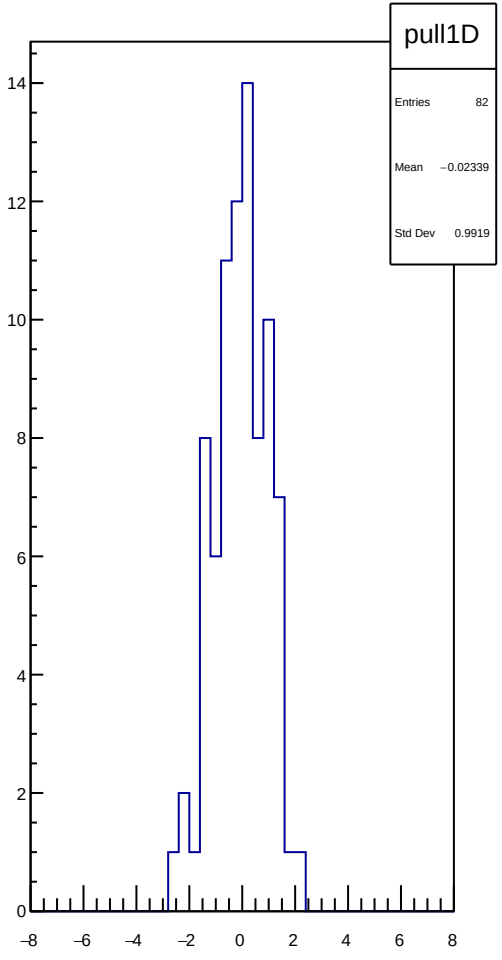

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.72 / 81
p0 0.1322 ± 0.4342
pull
Entries 82
Mean −13.7
Std Dev 0
pull1D
Entries 82
Mean −0.02339
Std Dev 0.9919

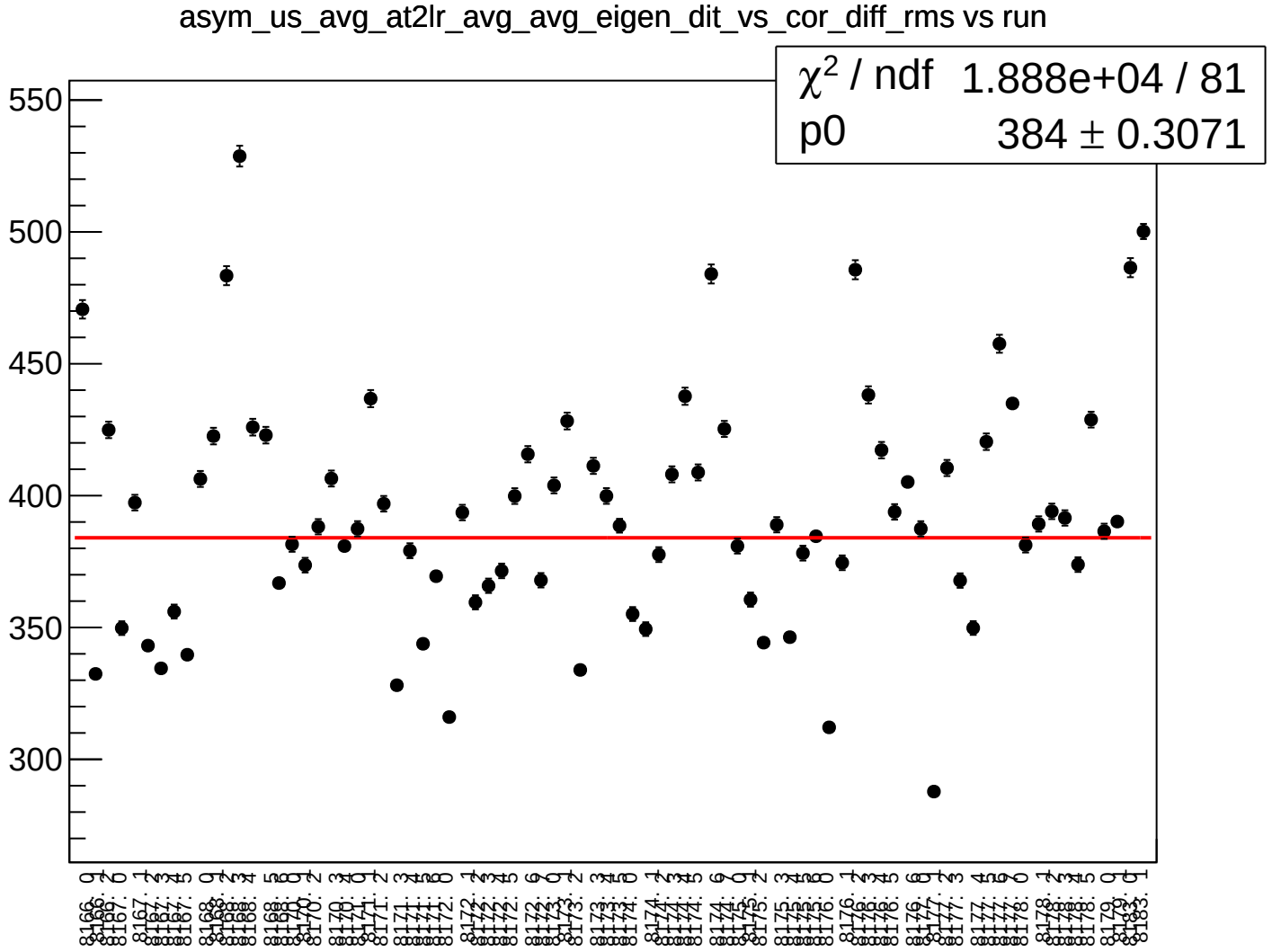

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.888e+04 / 81
p0 384 ± 0.307
550
500
450
400
350
300

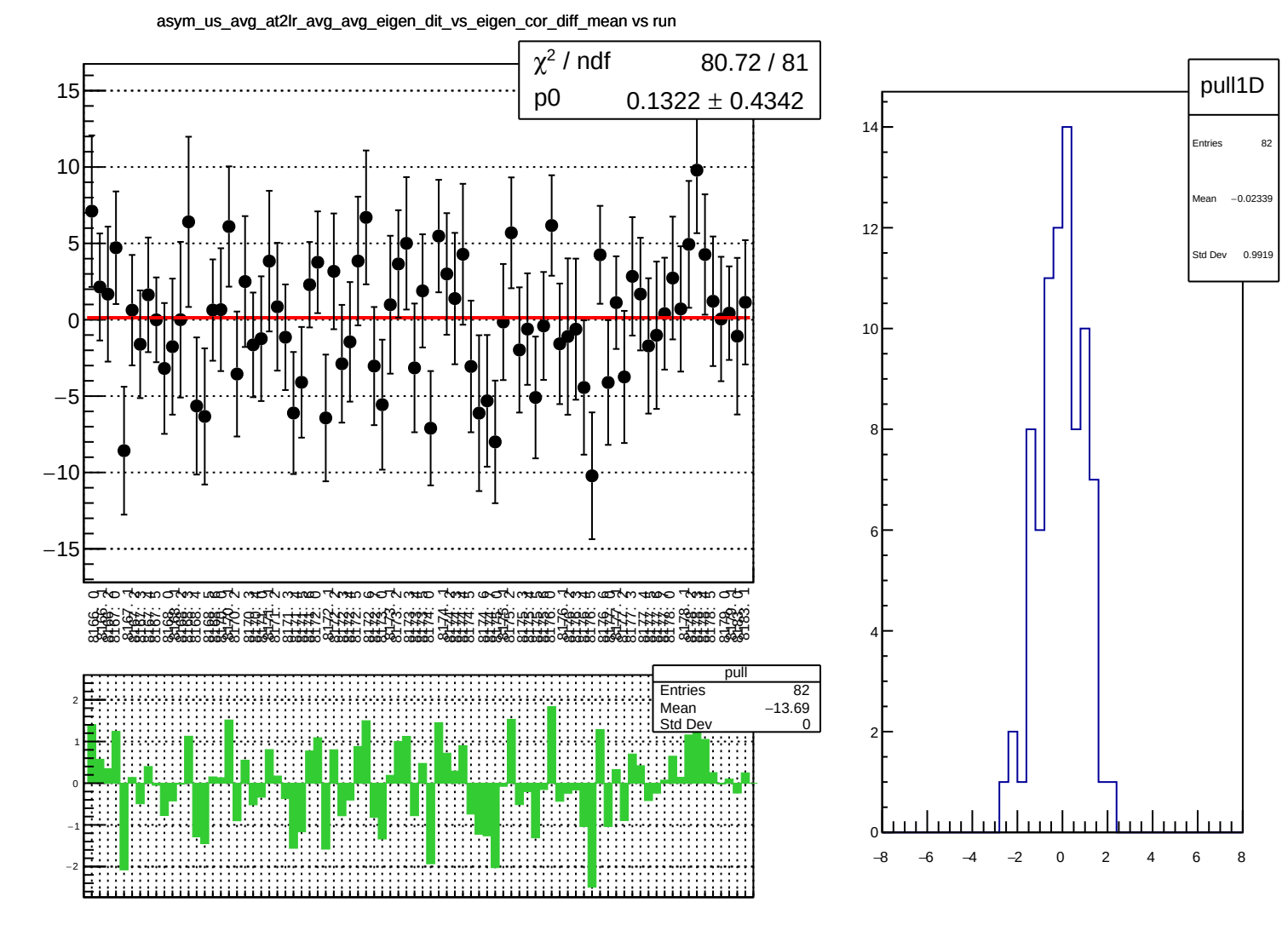

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.15 / 81
p0 7.584e−06 ± 5.984e−05
0.002
0.001
0
−0.001
−0.002
−0.003
pull
Entries 82
Mean −2249
Std Dev 0
pull1D
Entries 82
Mean 0.0005583
Std Dev 1.077

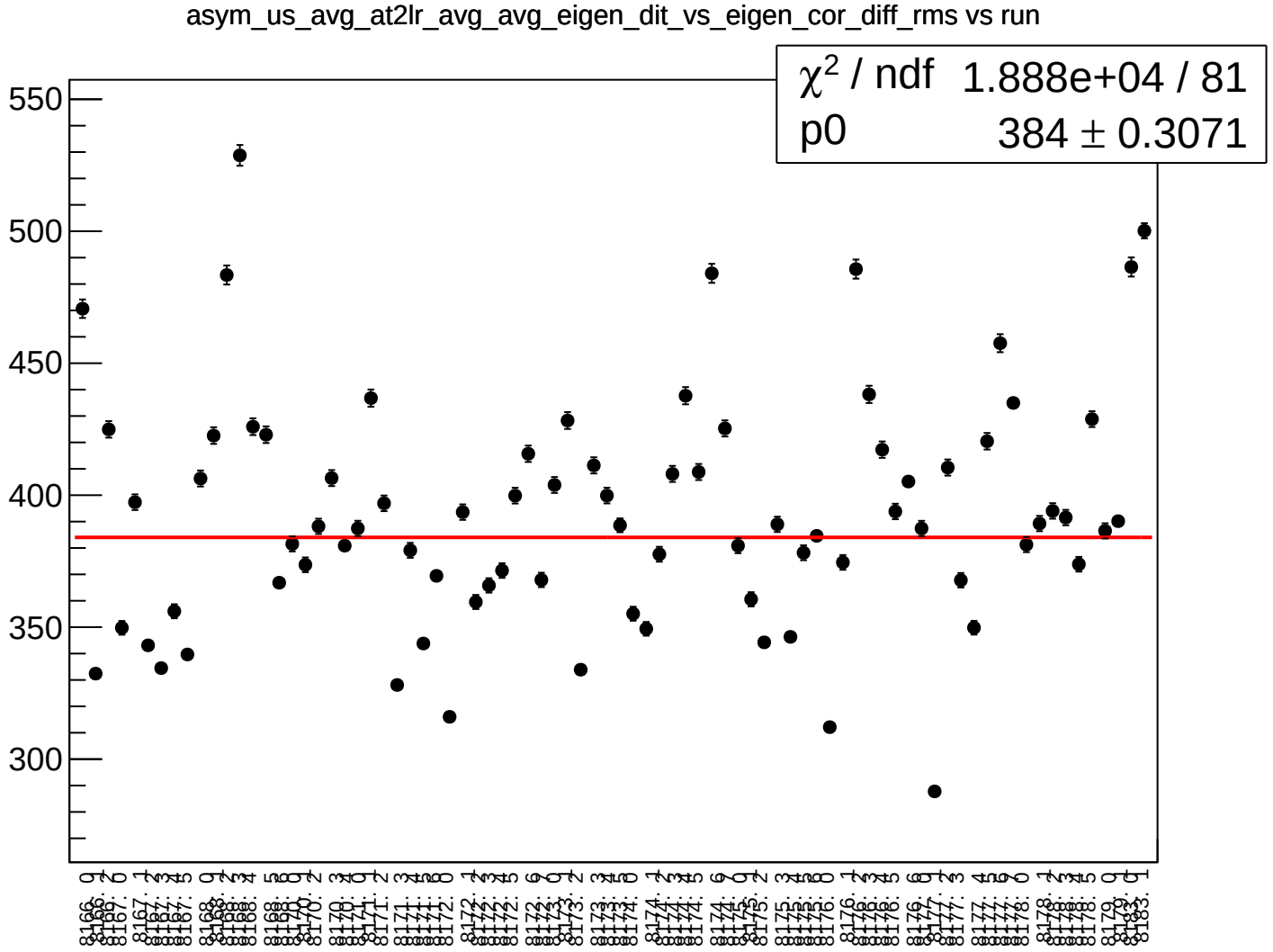

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 999.2 / 81
p0 0.05322 ± 4.232e–05
0.06
0.058
0.056
0.054
0.052
0.05

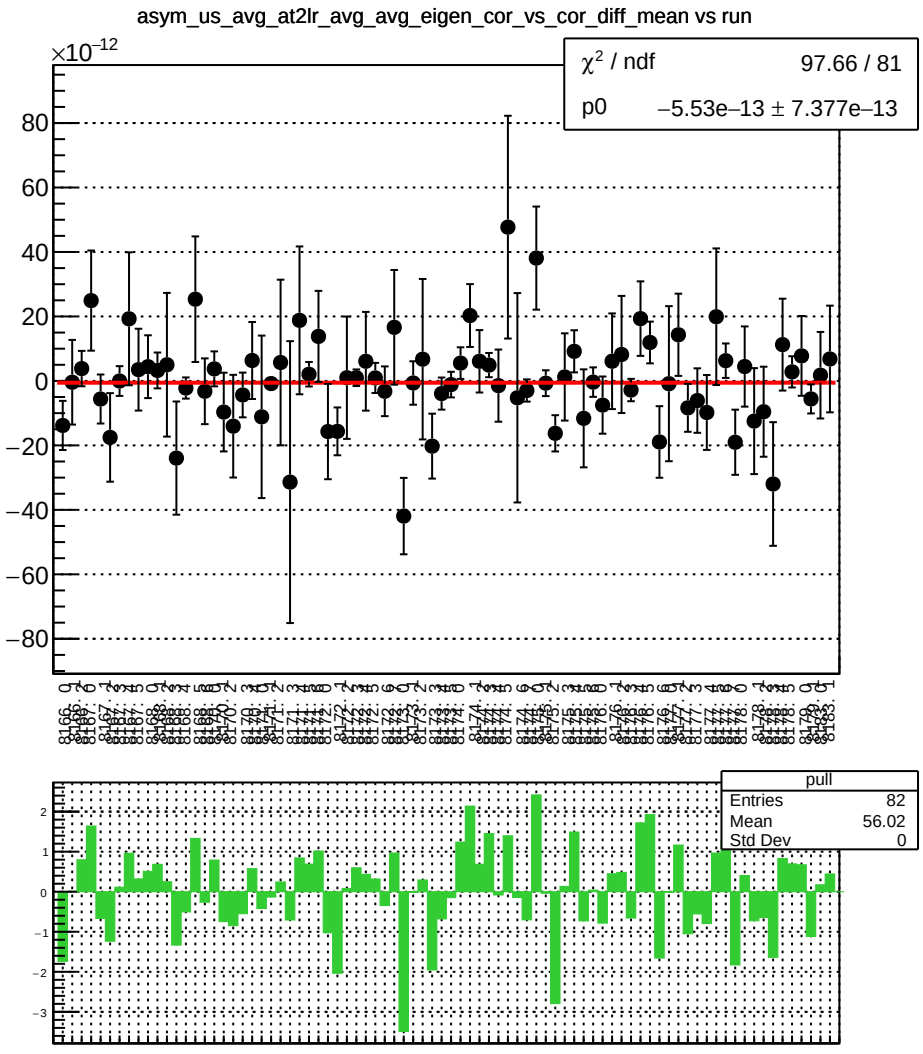

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.72 / 81
p0 0.1322 ± 0.4342
pull
Entries 82
Mean −13.69
Std Dev 0

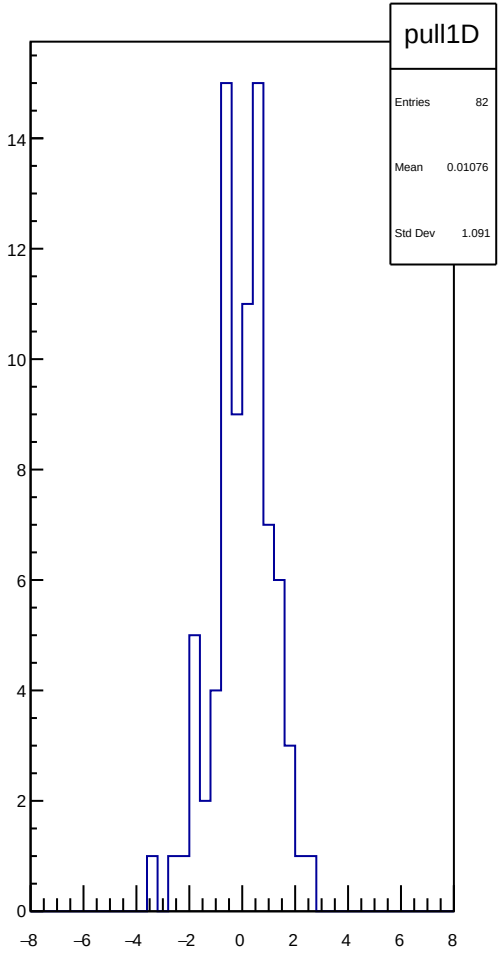

pull1D
Entries 82
Mean −0.02339
Std Dev 0.9919

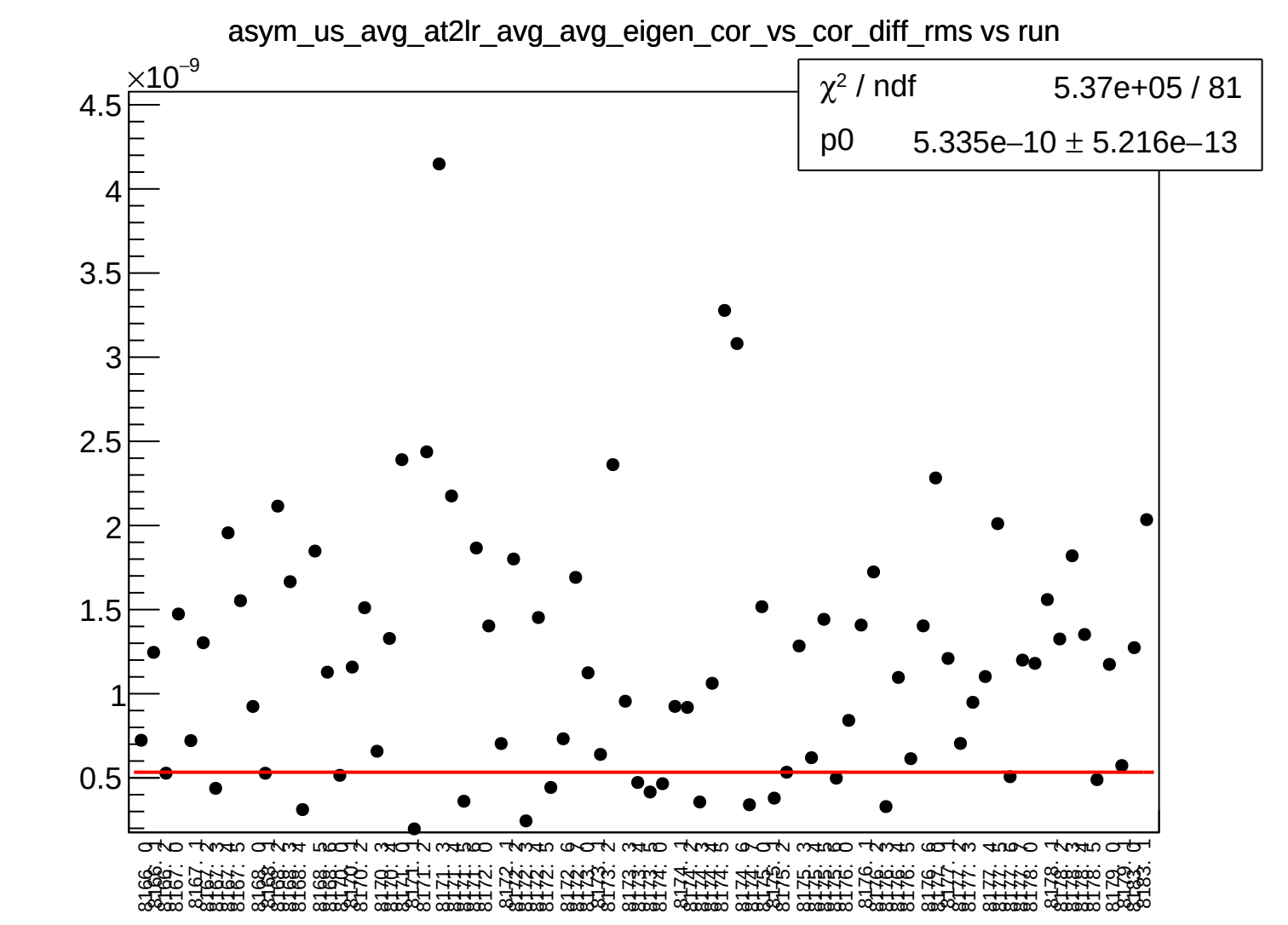

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.888e+04 / 81
p0 384 ± 0.3071
550
500
450
400
350
300

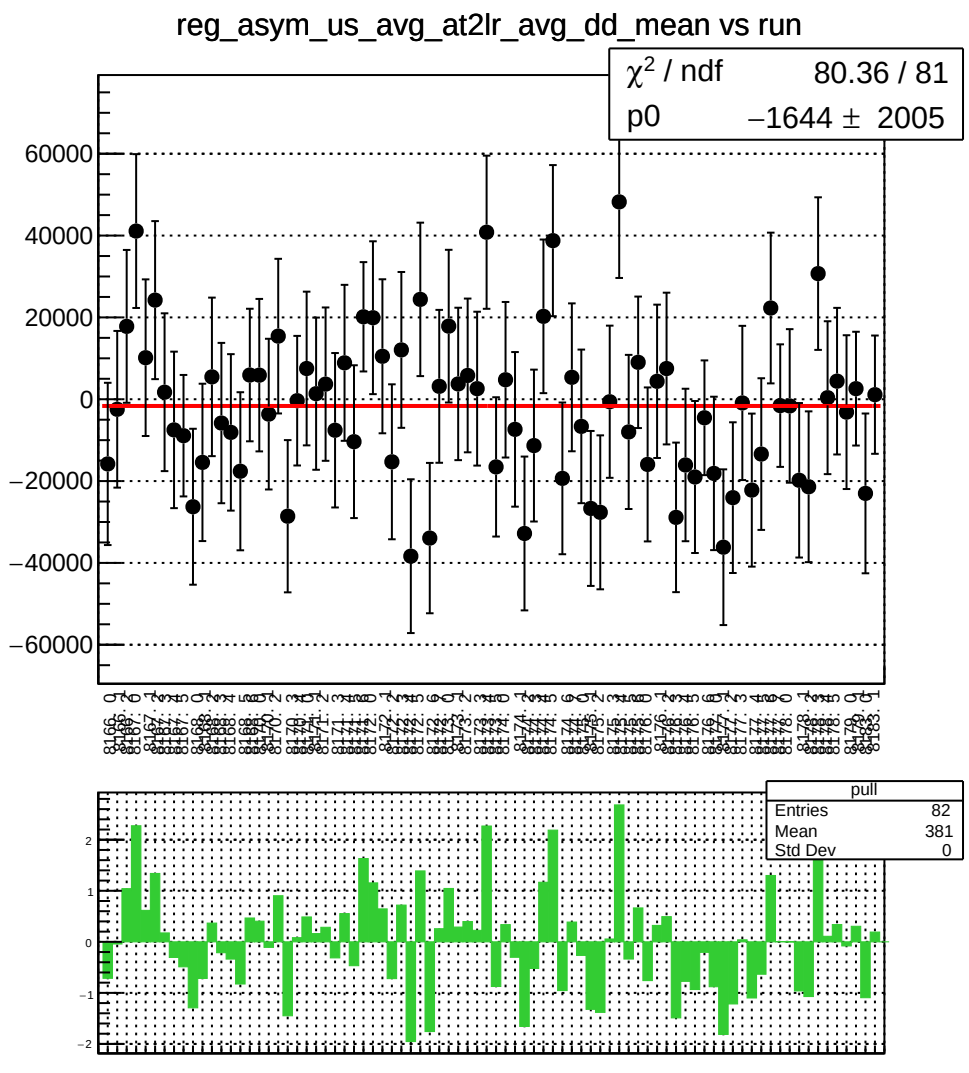

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.72 / 81
p0 0.1322 ± 0.4342
pull
Entries 82
Mean −13.69
Std Dev 0
pull1D
Entries 82
Mean −0.02339
Std Dev 0.9919

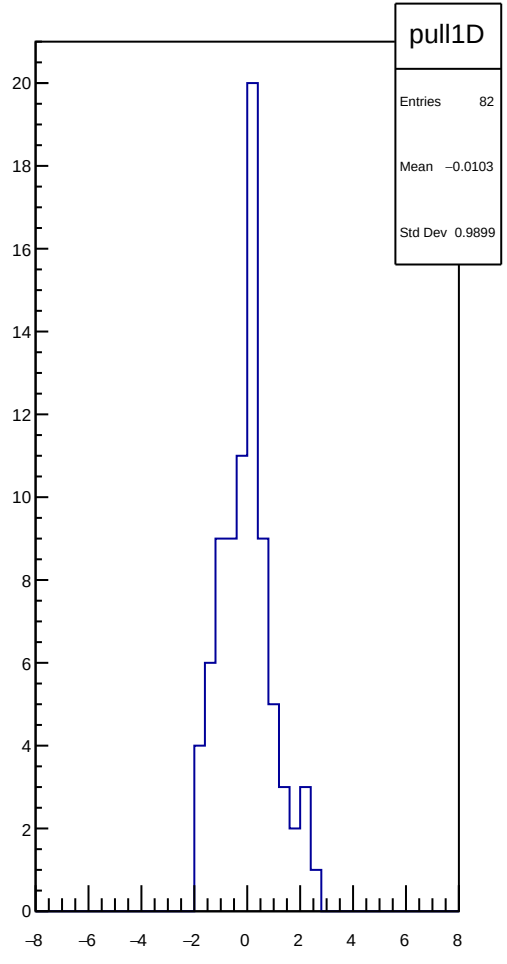

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.888e+04 / 81
p0 384 ± 0.3071
550
500
450
400
350
300

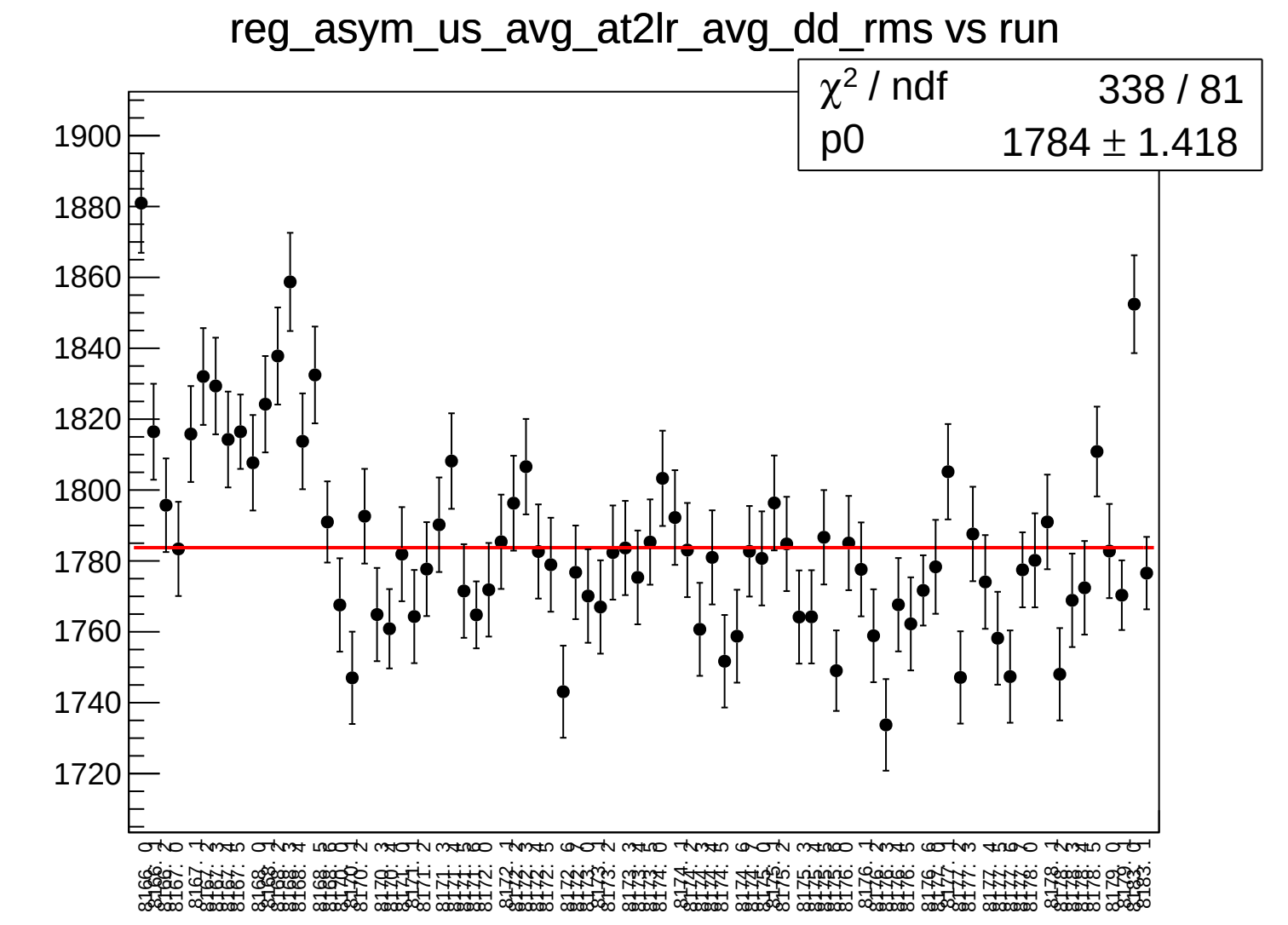

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.66 / 81
p0 −5.53e−13 ± 7.377e−13
pull
Entries 82
Mean 56.02
Std Dev 0


pull1D
Entries 82
Mean 0.01076
Std Dev 1.091

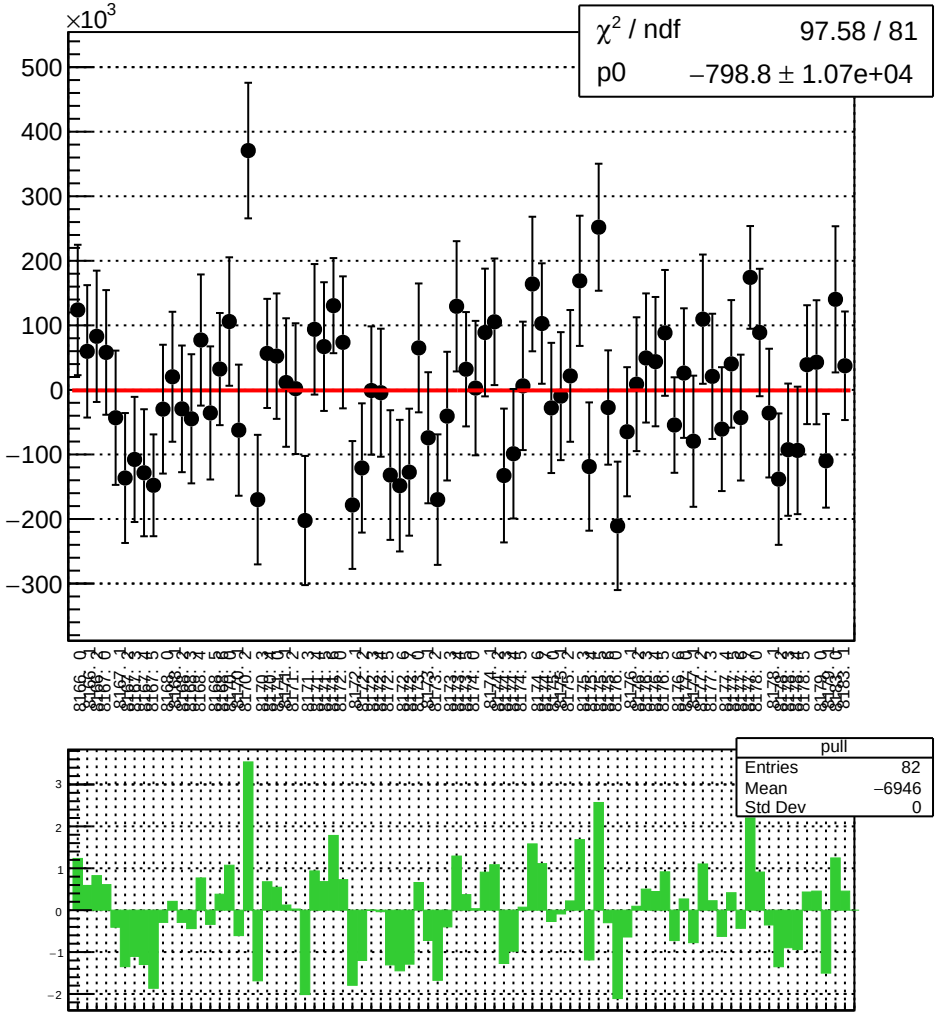

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.37e+05 / 81
p0 5.335e−10 ± 5.216e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5

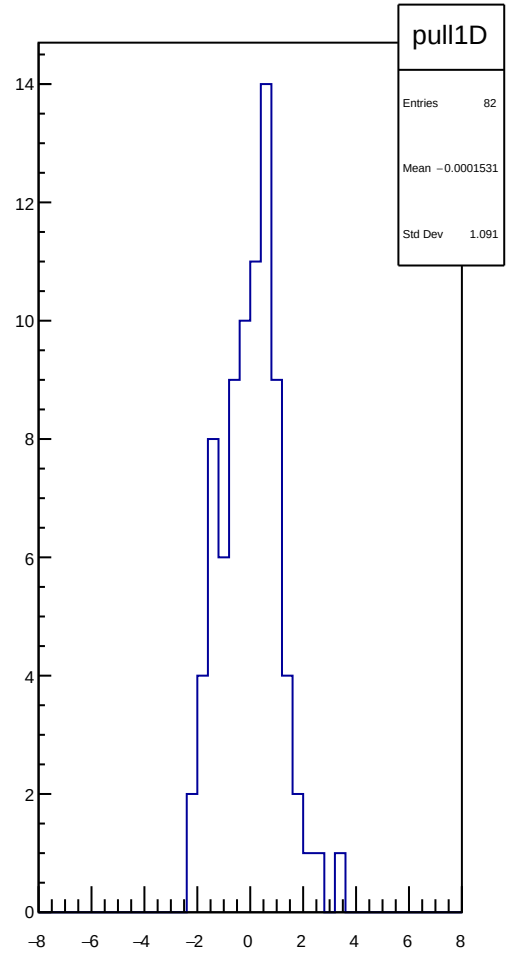

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 80.36 / 81
p0 −1644 ± 2005
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 381
Std Dev 0
2
1
0
−1
−2

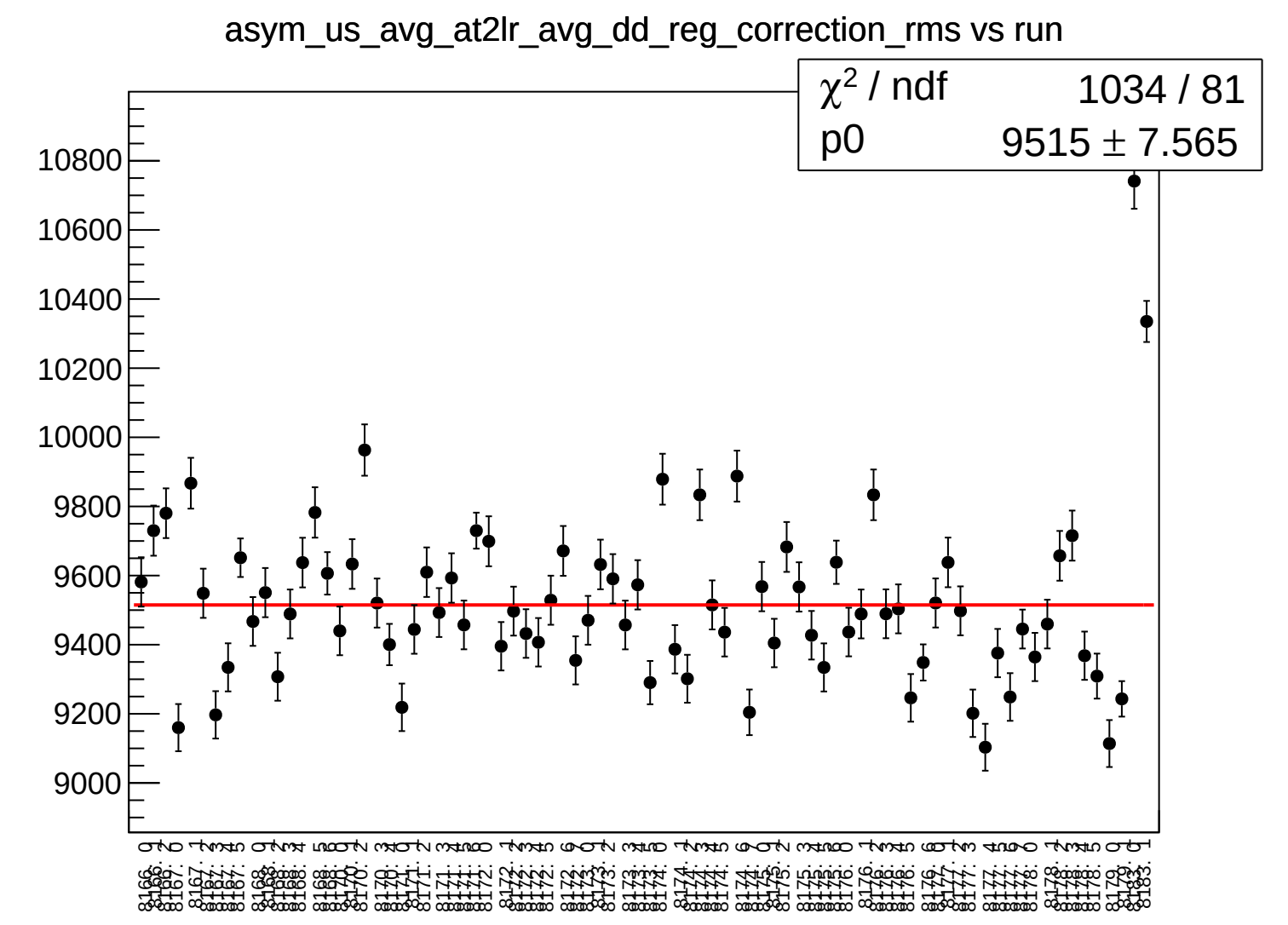

pull1D
Entries 82
Mean −0.0103
Std Dev 0.9899
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

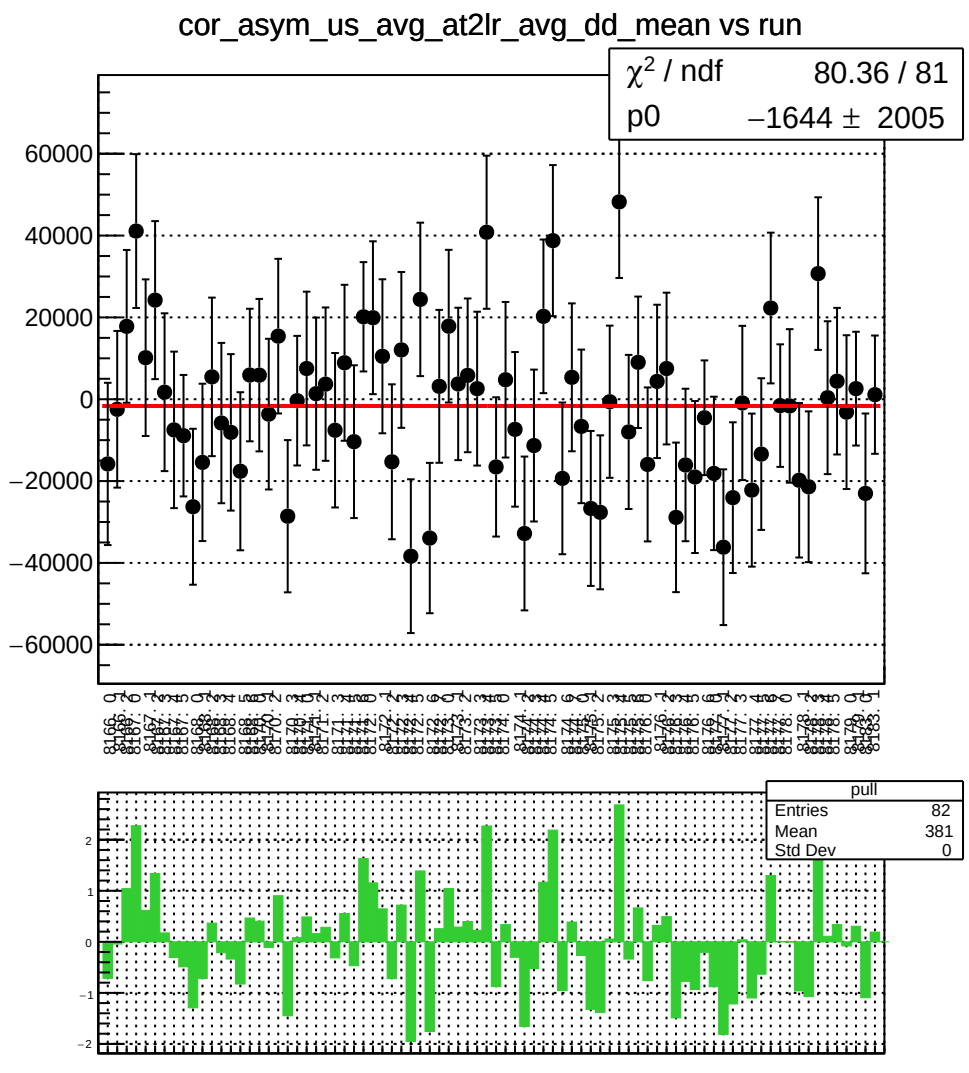

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 338 / 81
p0 1784 ± 1.418
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

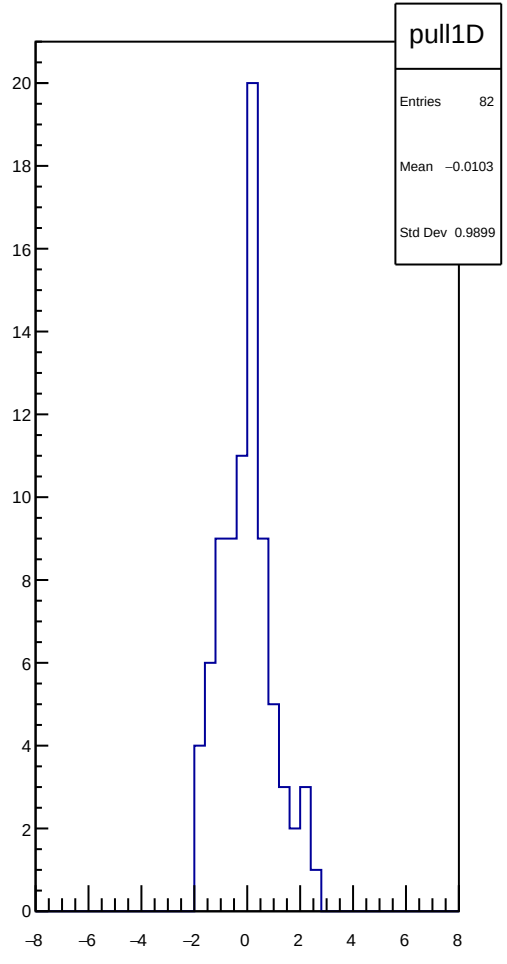
asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run

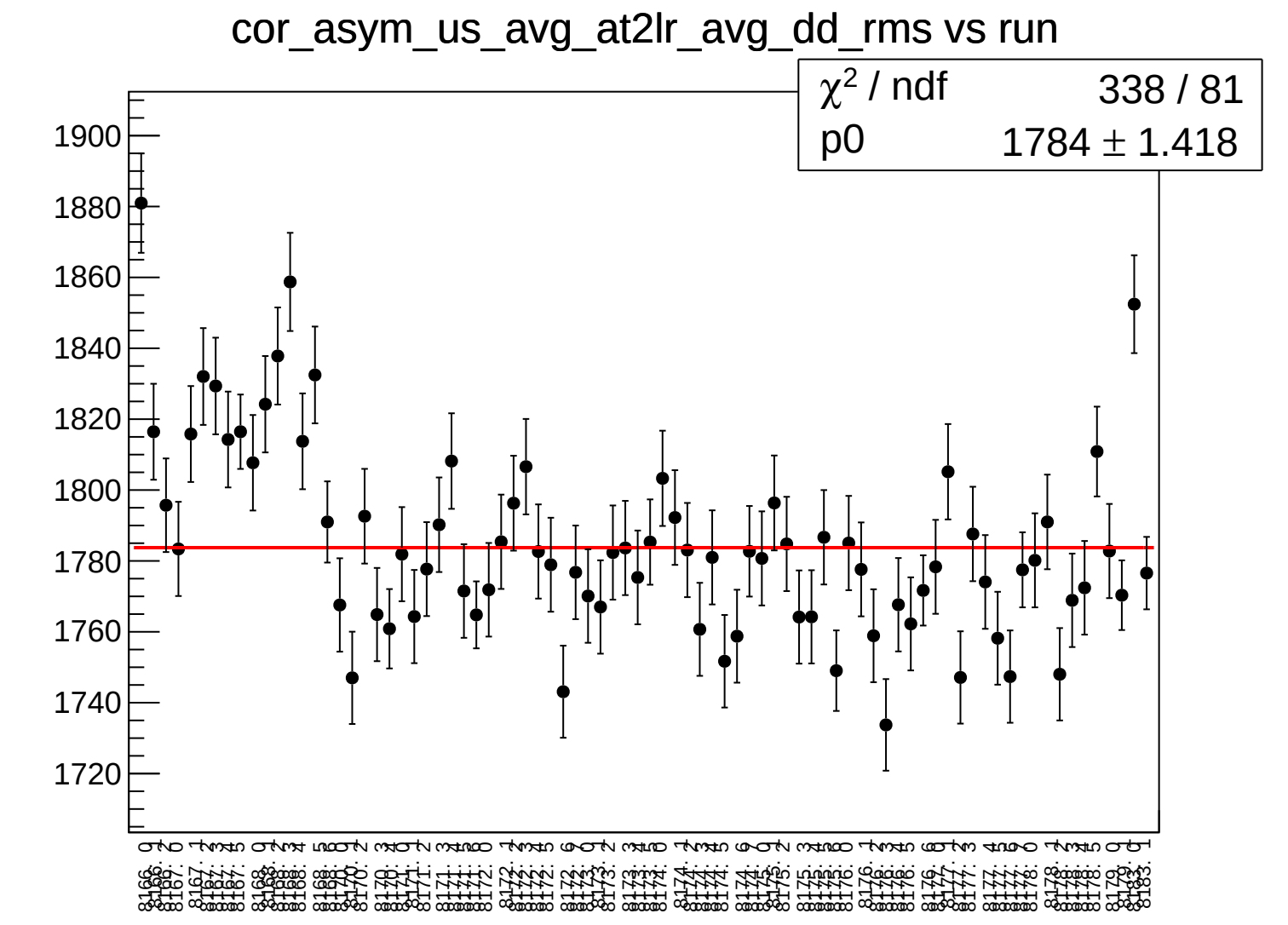


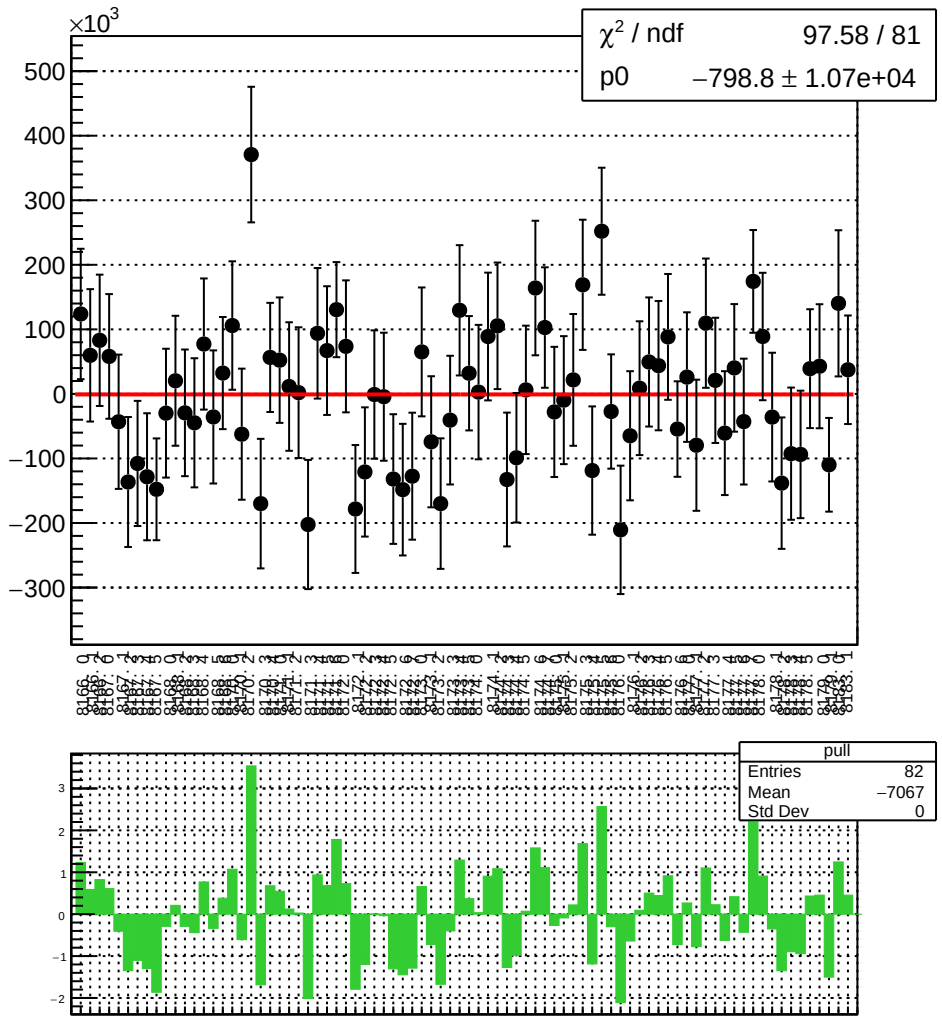


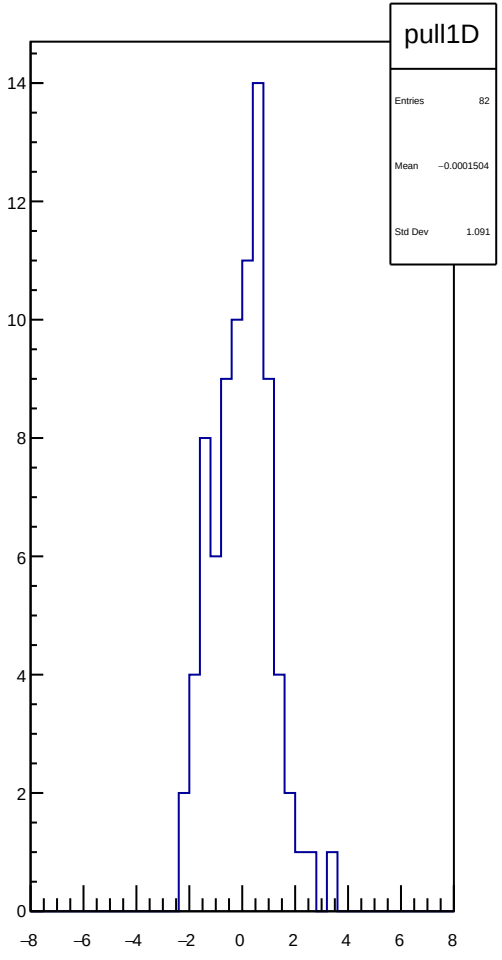

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ^2 / ndf 1034 / 81
p0 9515 ± 7.565
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000

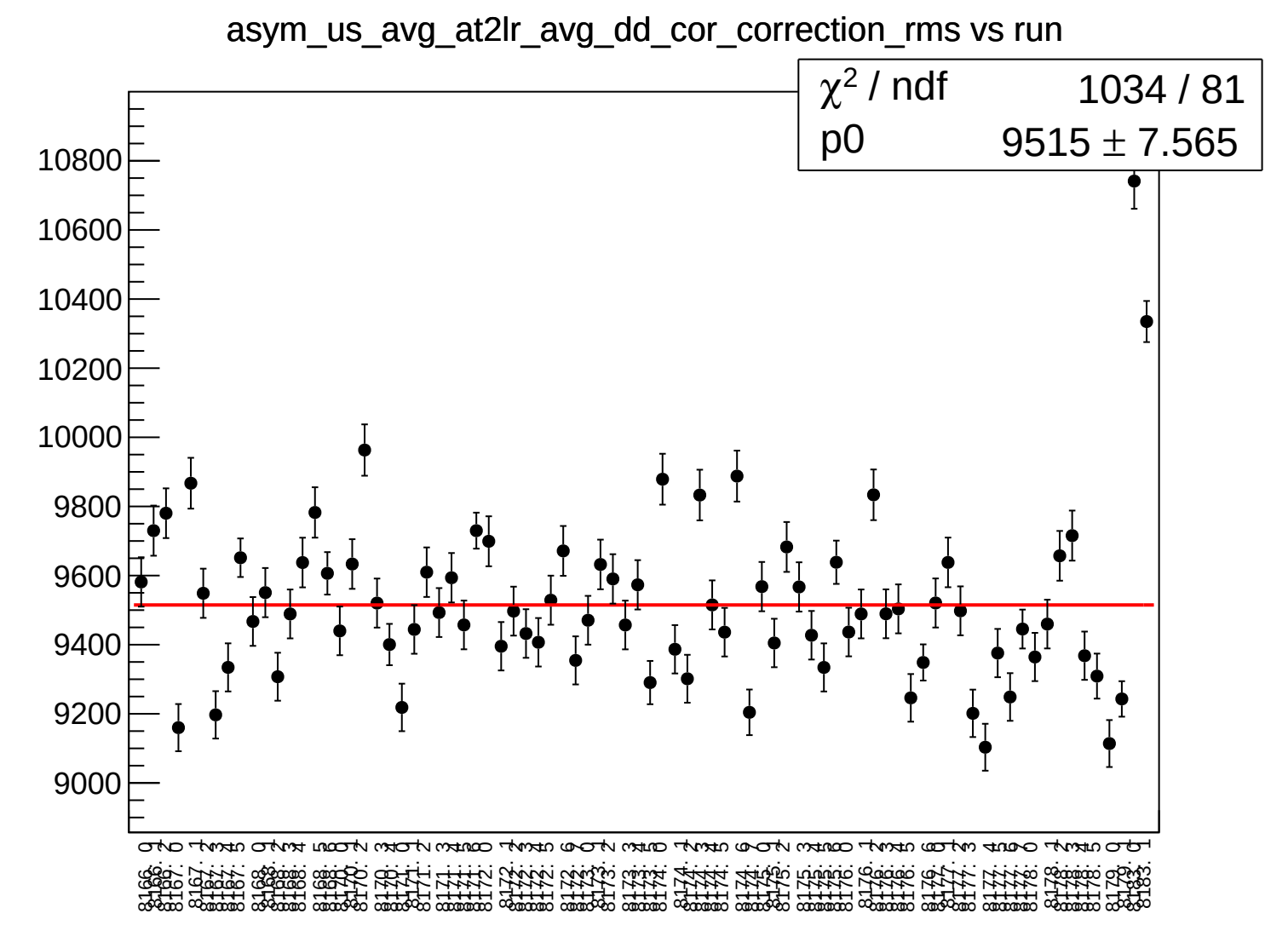

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 80.36 / 81
p0 −1644 ± 2005
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 381
Std Dev 0
2
1
0
−1
−2

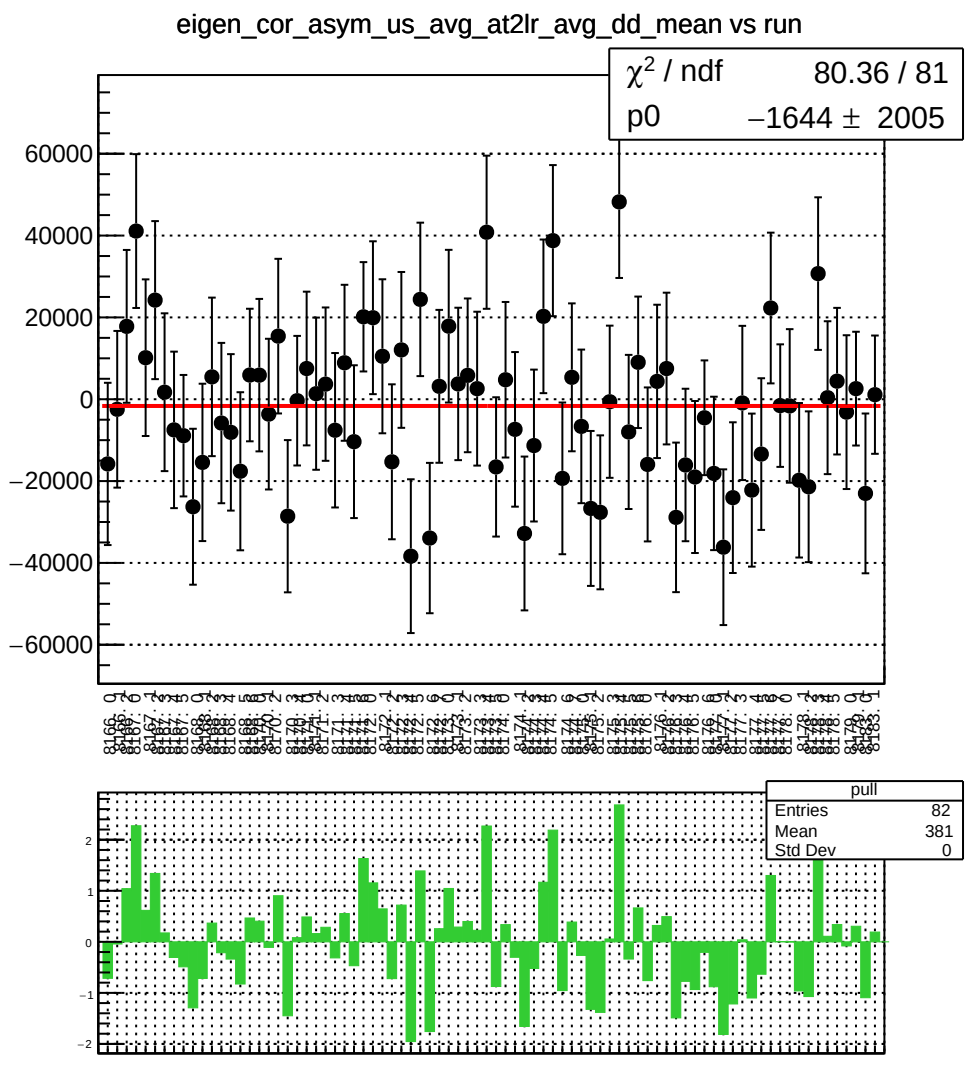

pull1D
Entries 82
Mean −0.0103
Std Dev 0.9899
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

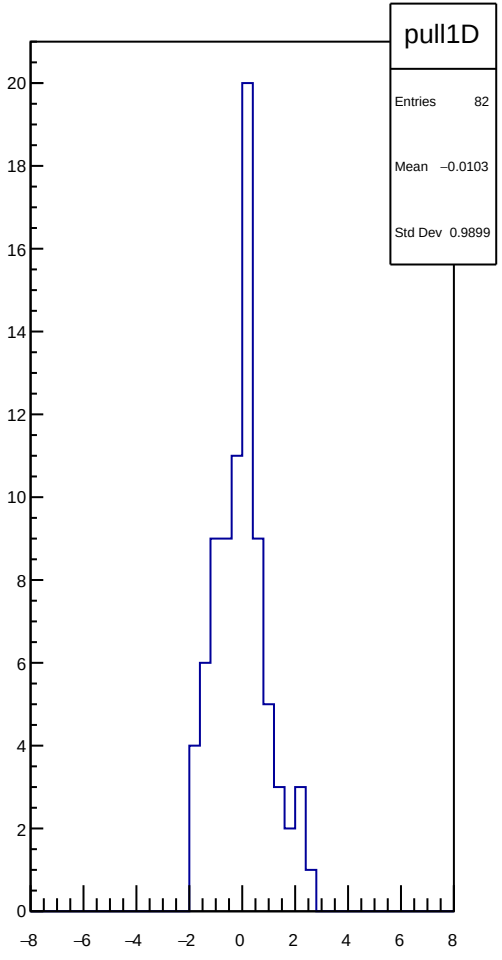

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 338 / 81
p0 1784 ± 1.418
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

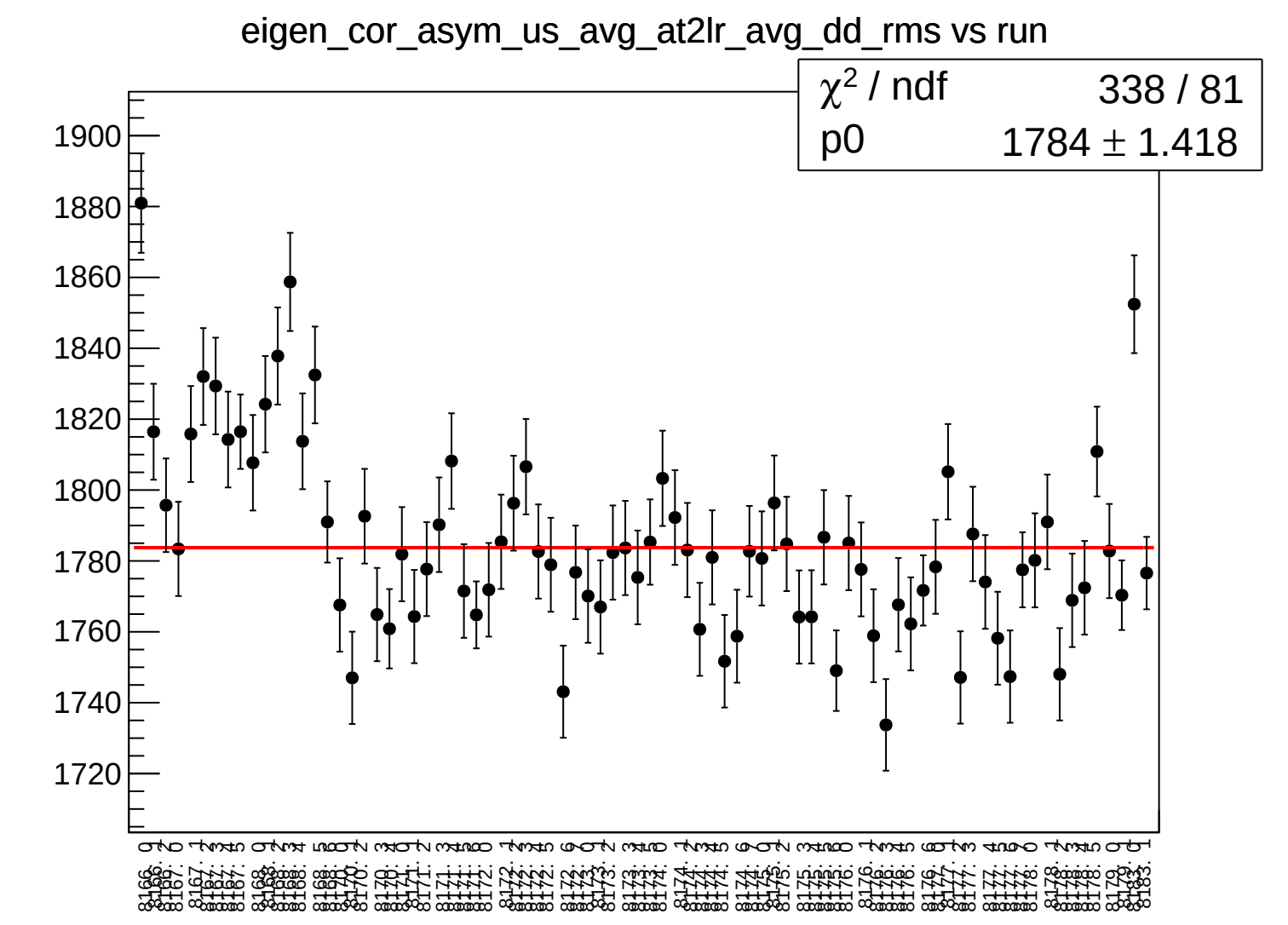

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 97.58 / 81
p0 −798.8 ± 1.07e+04
pull
Entries 82
Mean −7067
Std Dev 0

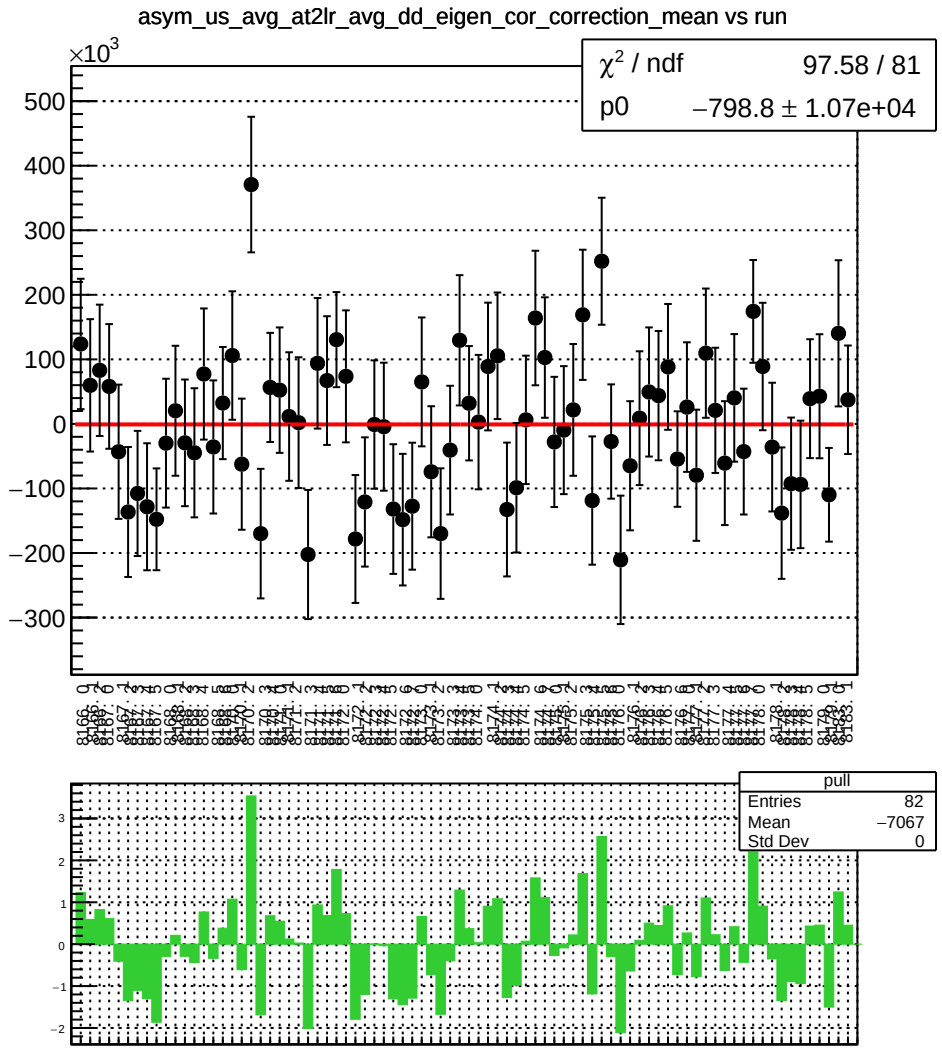

pull1D
Entries 82
Mean −0.0001504
Std Dev 1.091

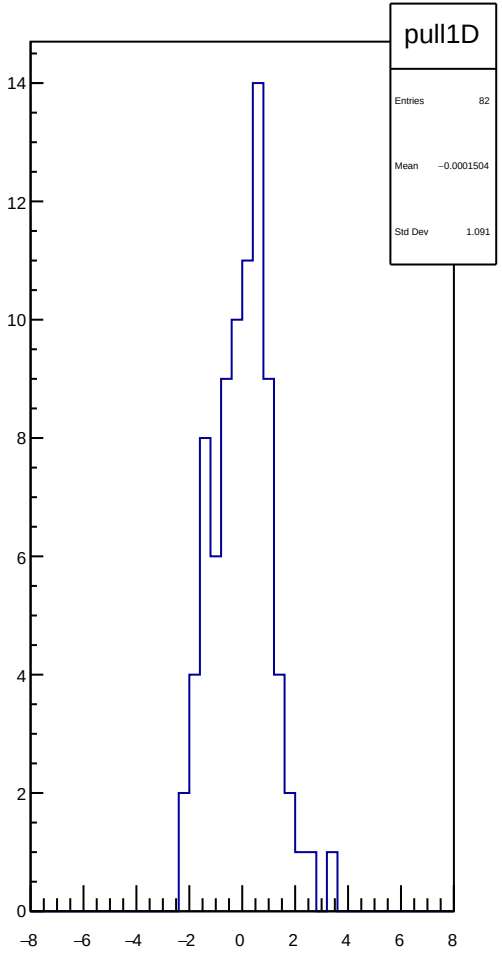

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ^2 / ndf 1034 / 81
p0 9515 ± 7.565
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000

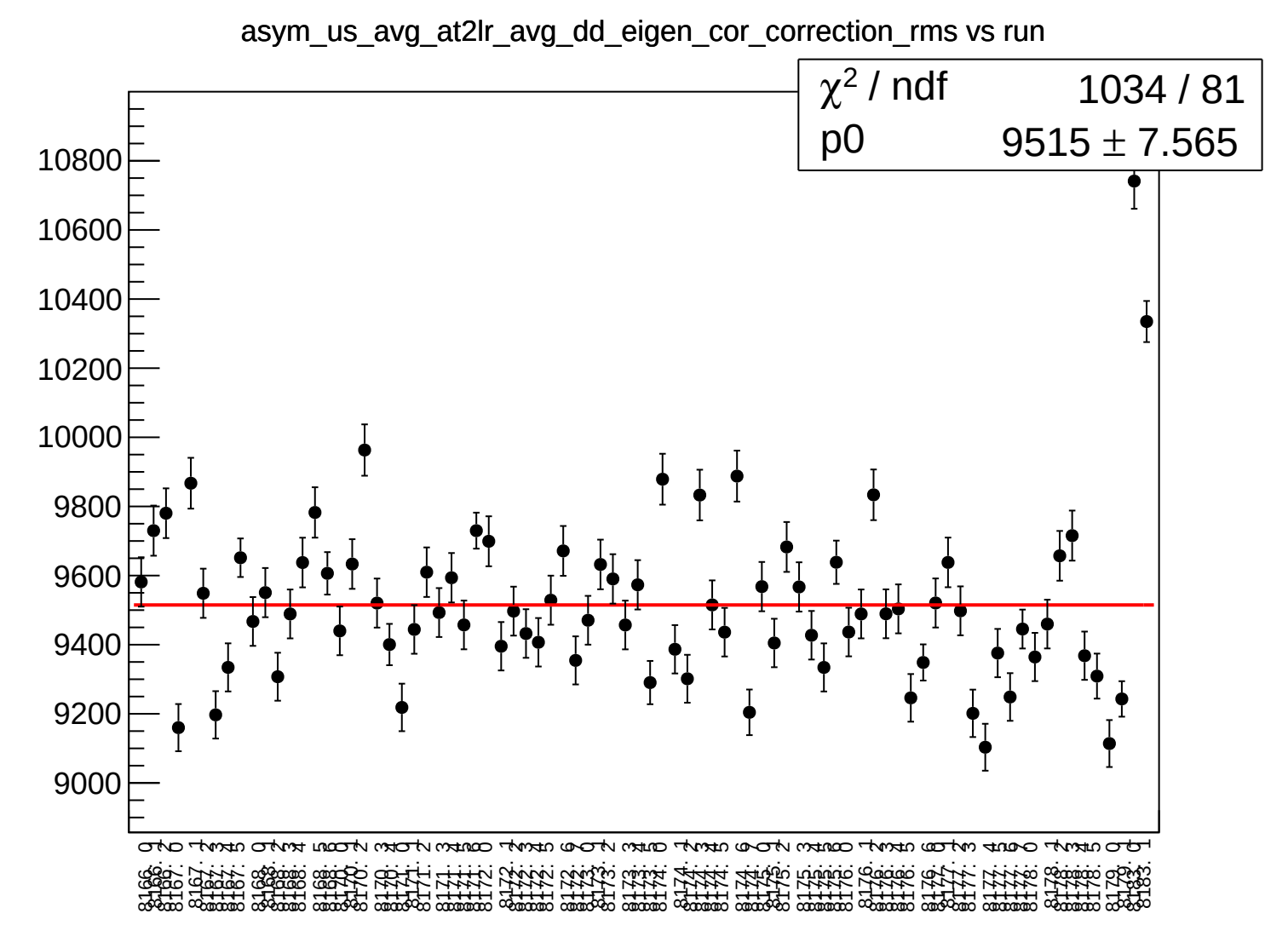

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 80.36 / 81
p0 −1644 ± 2005
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 381
Std Dev 0
2
1
0
−1
−2

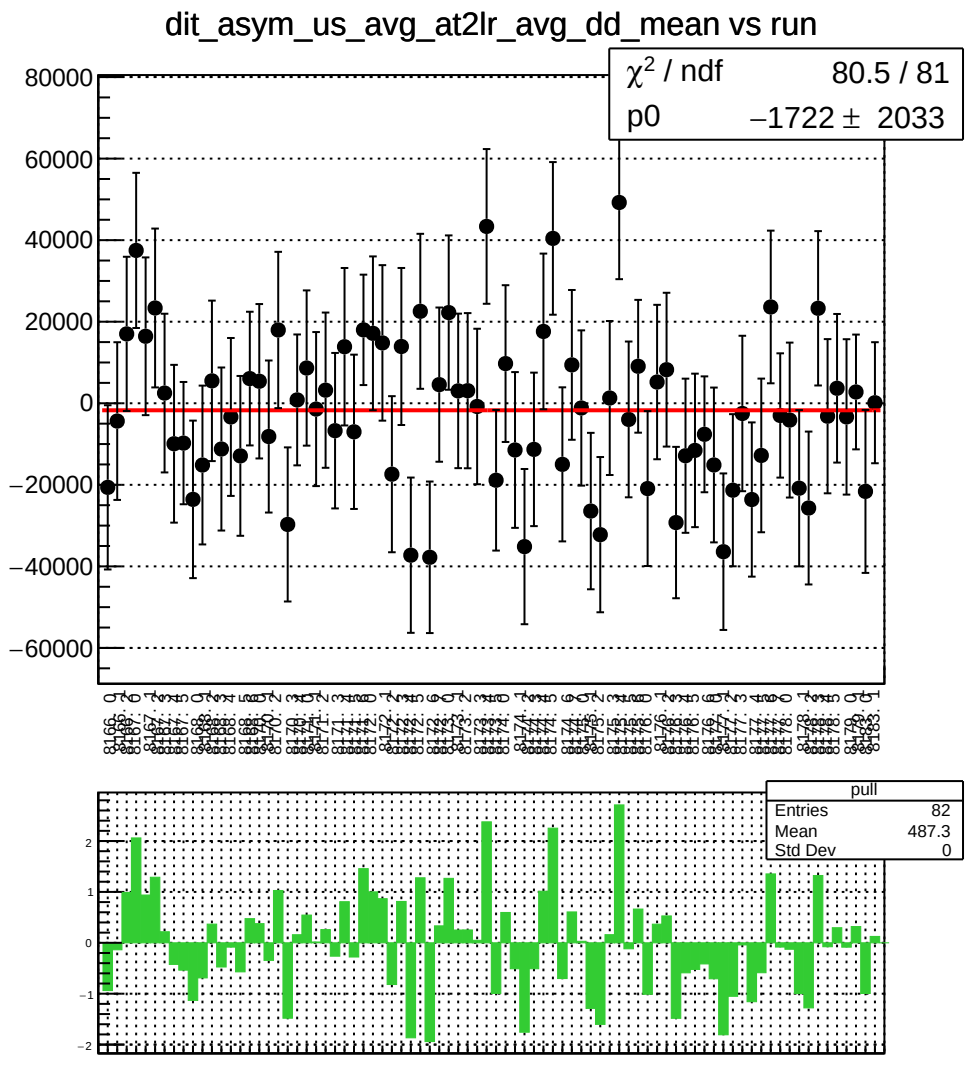

pull1D
Entries 82
Mean −0.0103
Std Dev 0.9899
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

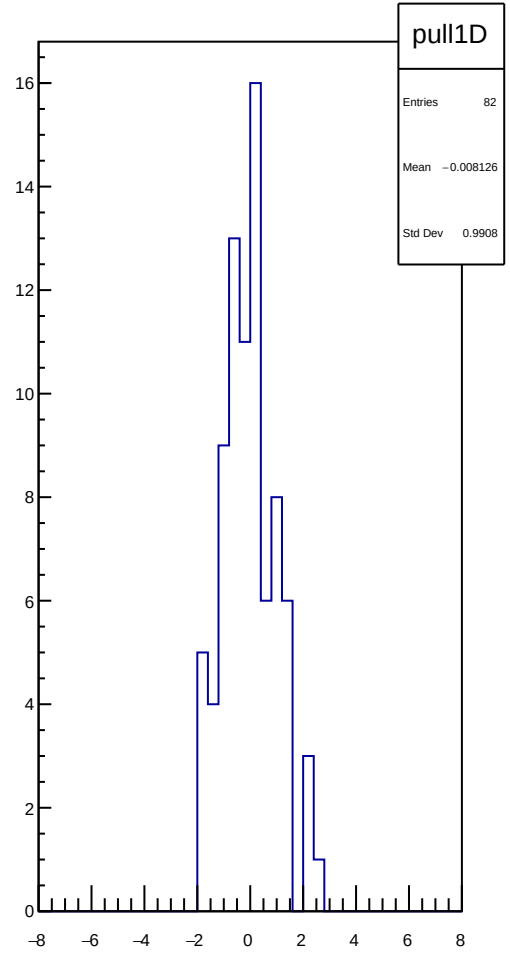

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 338 / 81
p0 1784 ± 1.418
1900
1880
1860
1840
1820
1800
1780
1760
1740
1720

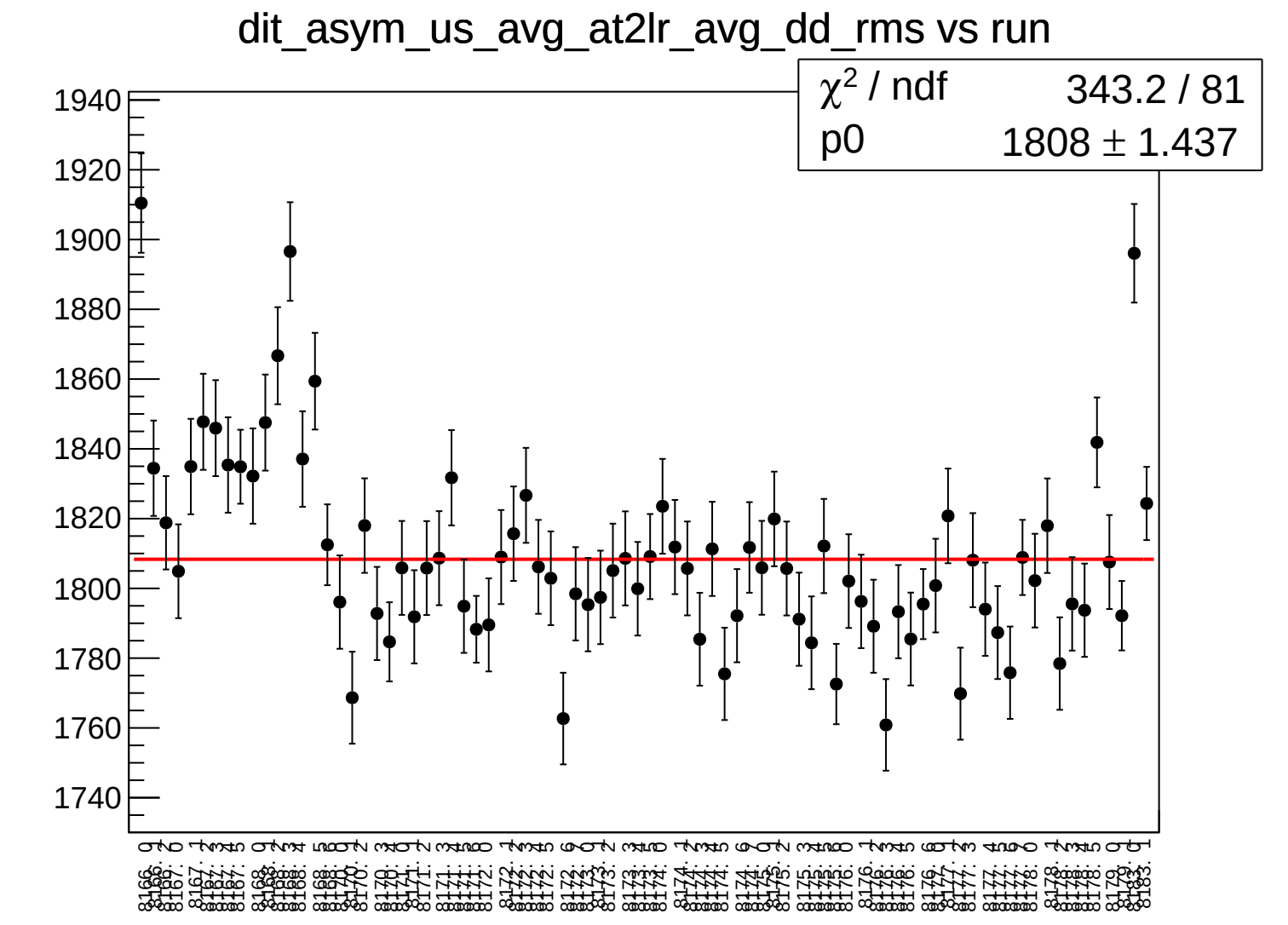

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.58 / 81
p0 −798.8 ± 1.07e+04
pull
Entries 82
Mean −7067
Std Dev 0

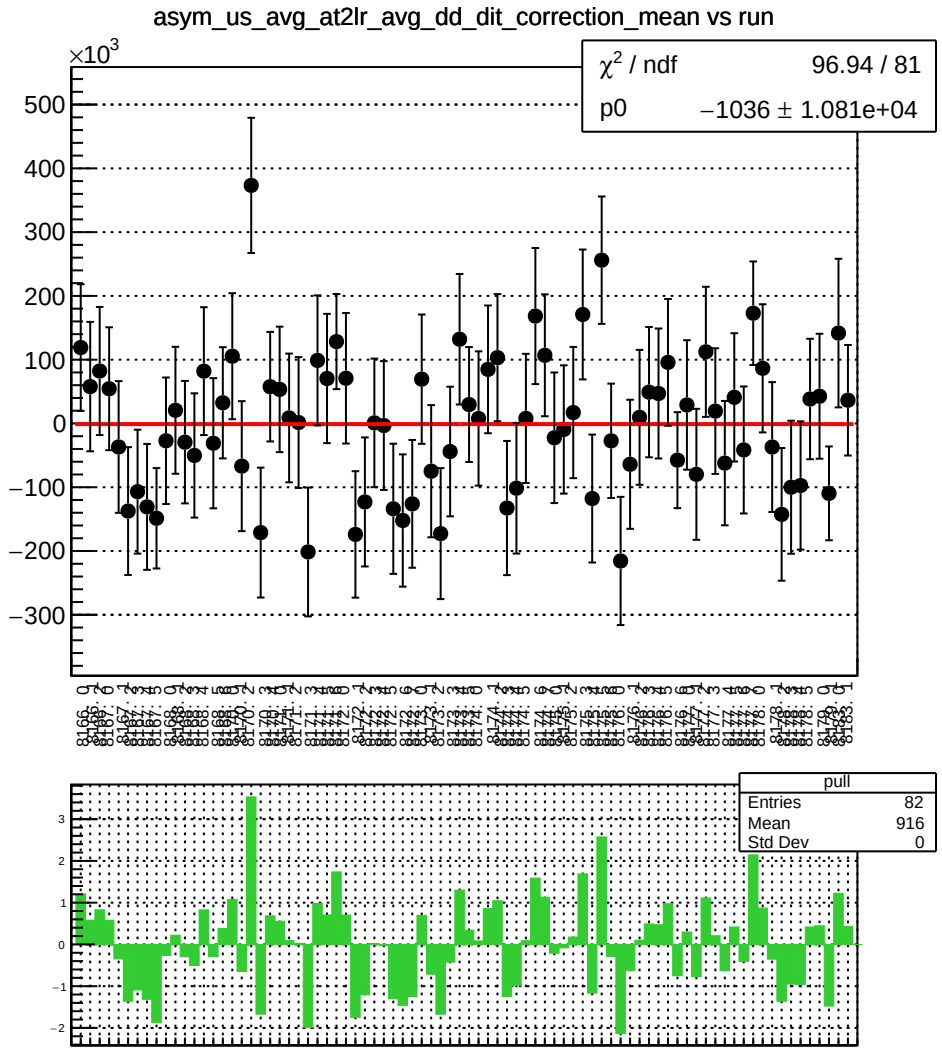

pull1D
Entries 82
Mean −0.0001504
Std Dev 1.091

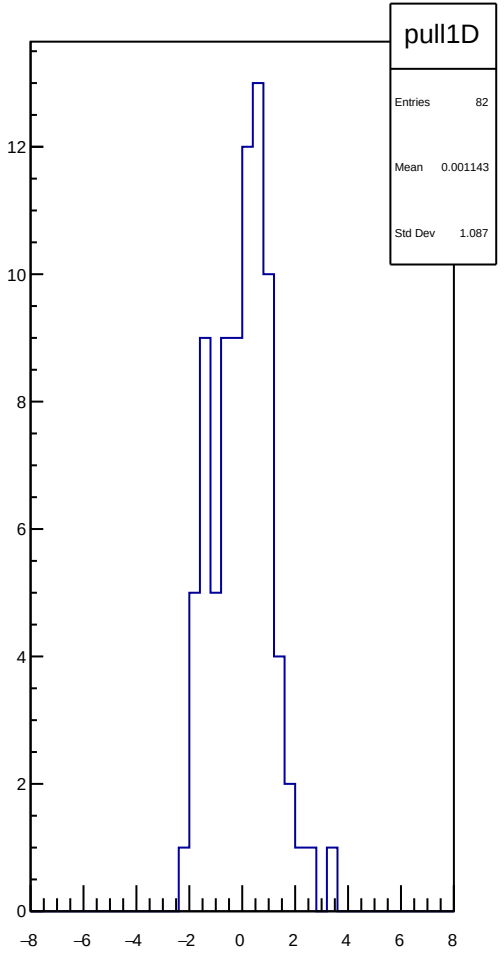

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1034 / 81
p0 9515 ± 7.565
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000

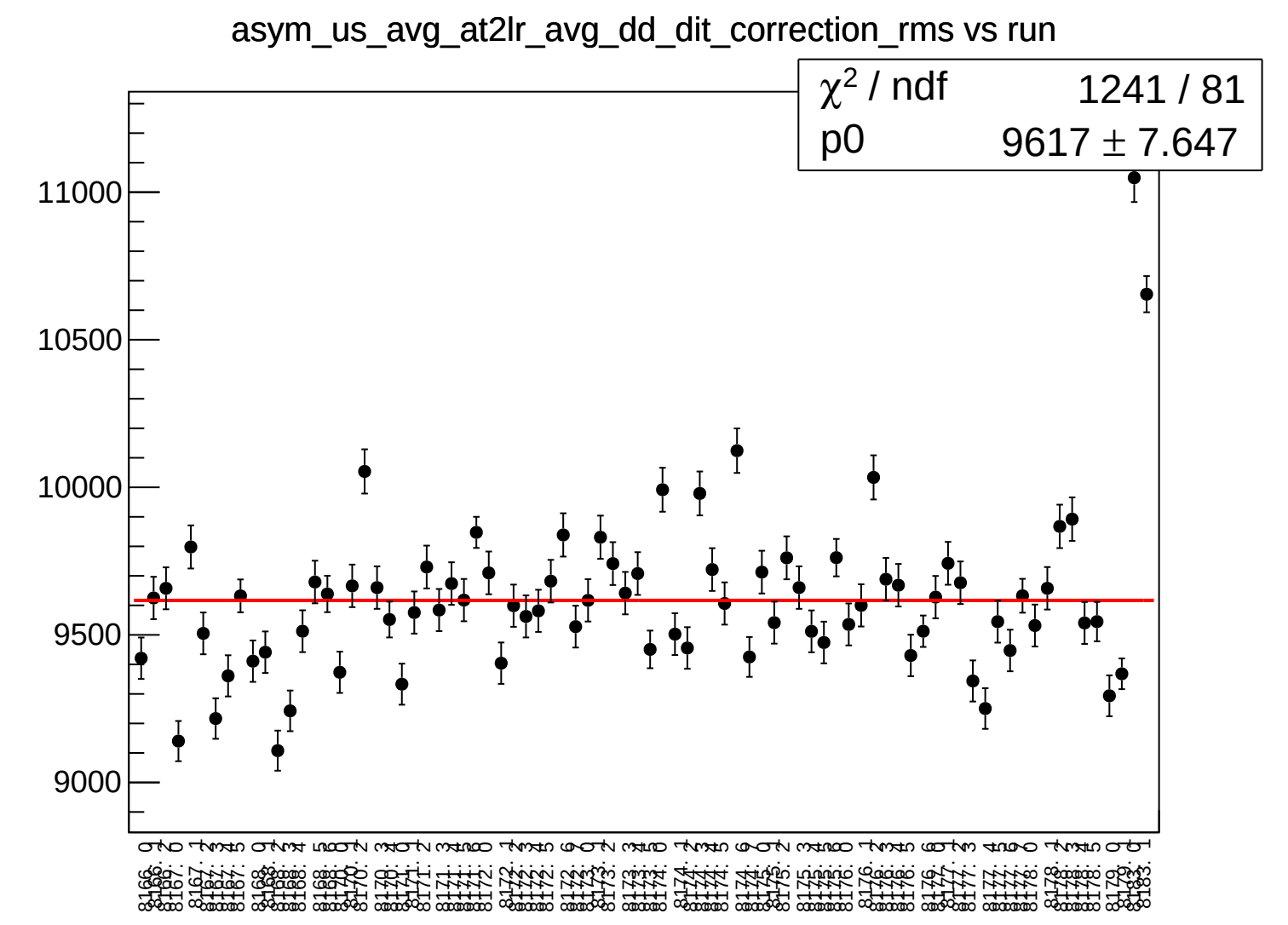

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 80.5 / 81
p0 −1722 ± 2033
pull
Entries 82
Mean 487.3
Std Dev 0

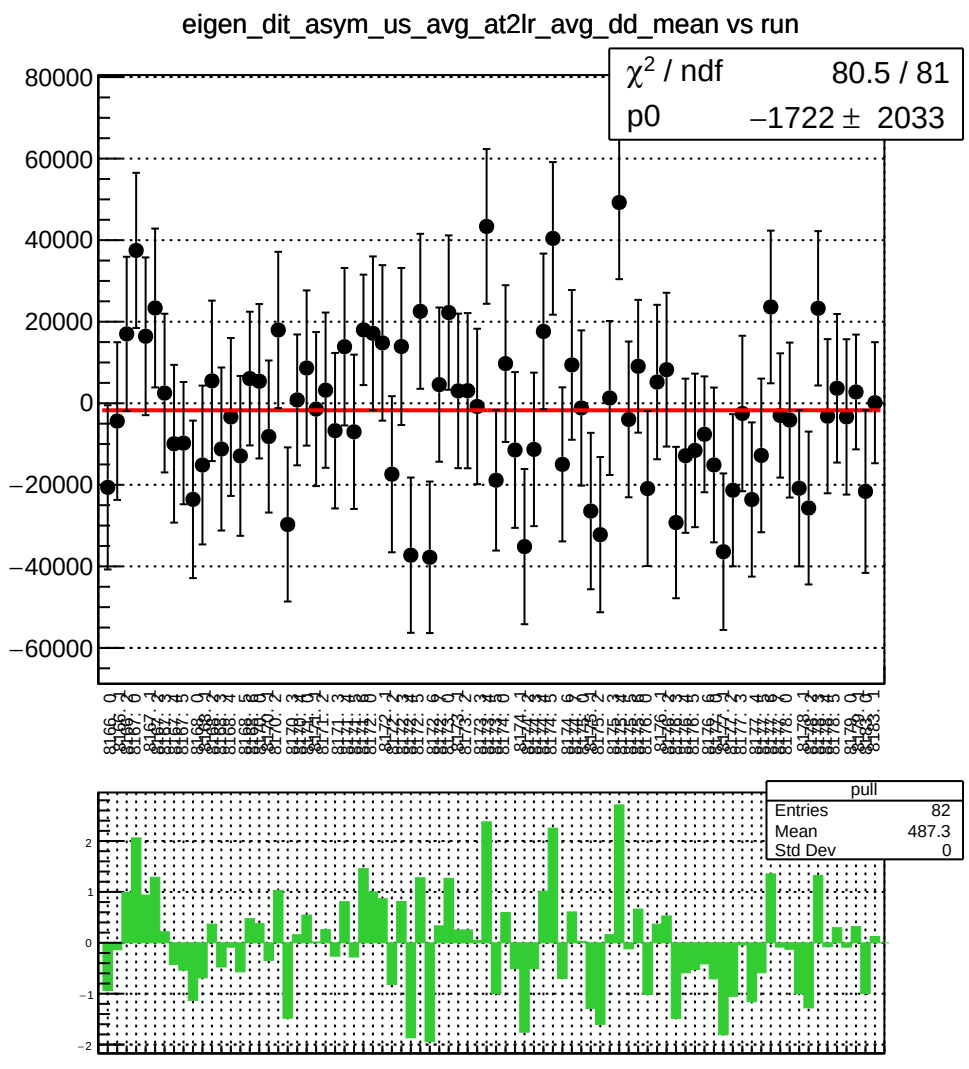

pull1D
Entries 82
Mean −0.008126
Std Dev 0.9908

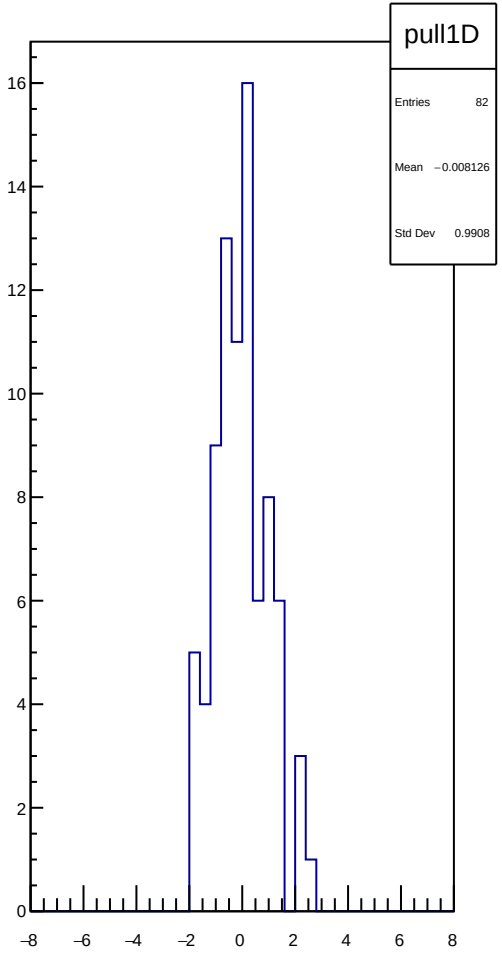

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 343.2 / 81
p0 1808 ± 1.437
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

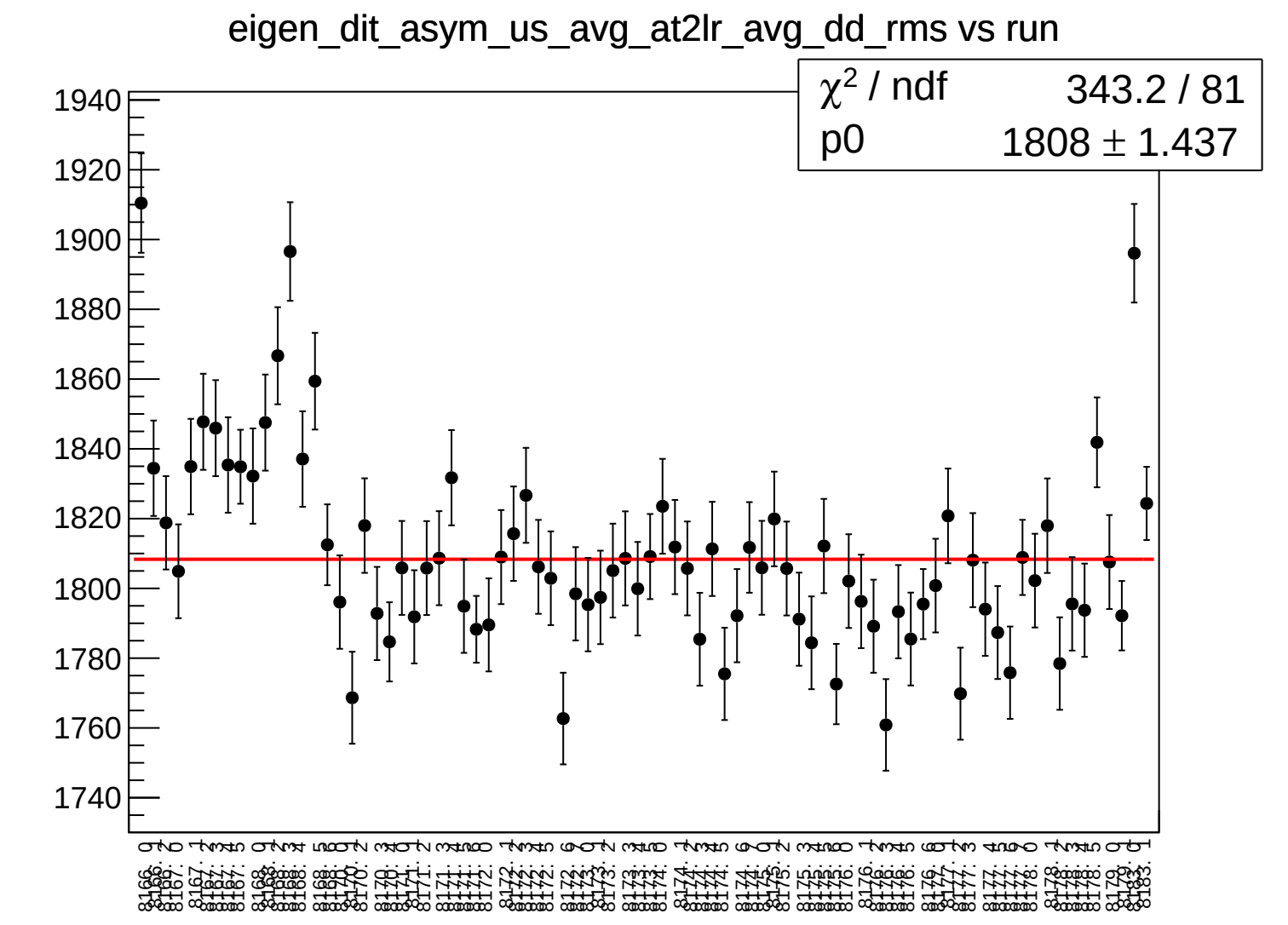

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 96.94 / 81
p0 −1036 ± 1.081e+04
pull
Entries 82
Mean 916
Std Dev 0

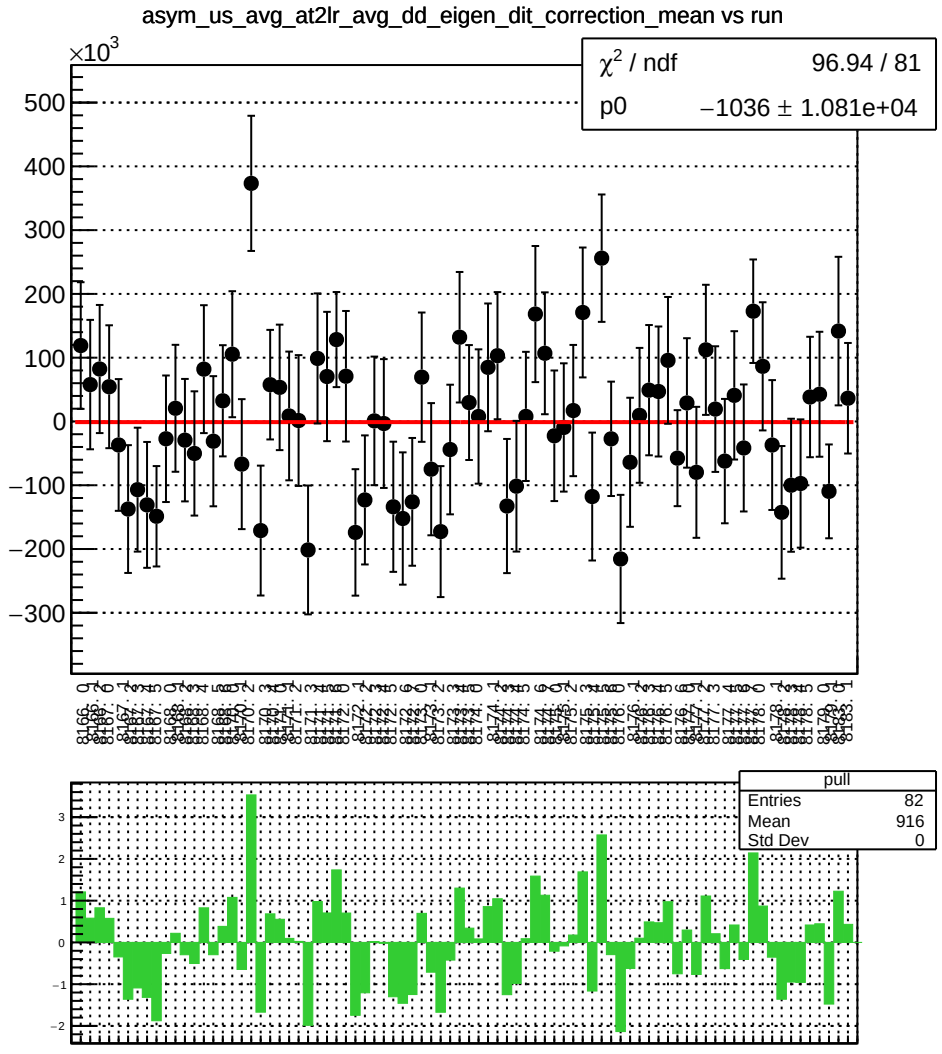

pull1D
Entries 82
Mean 0.001143
Std Dev 1.087

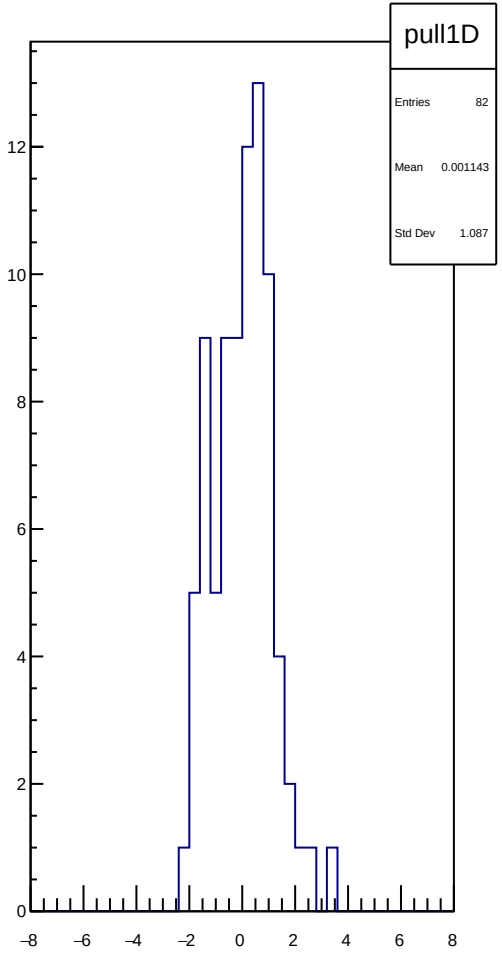

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1241 / 81
p0 9617 ± 7.647
11000
10500
10000
9500
9000

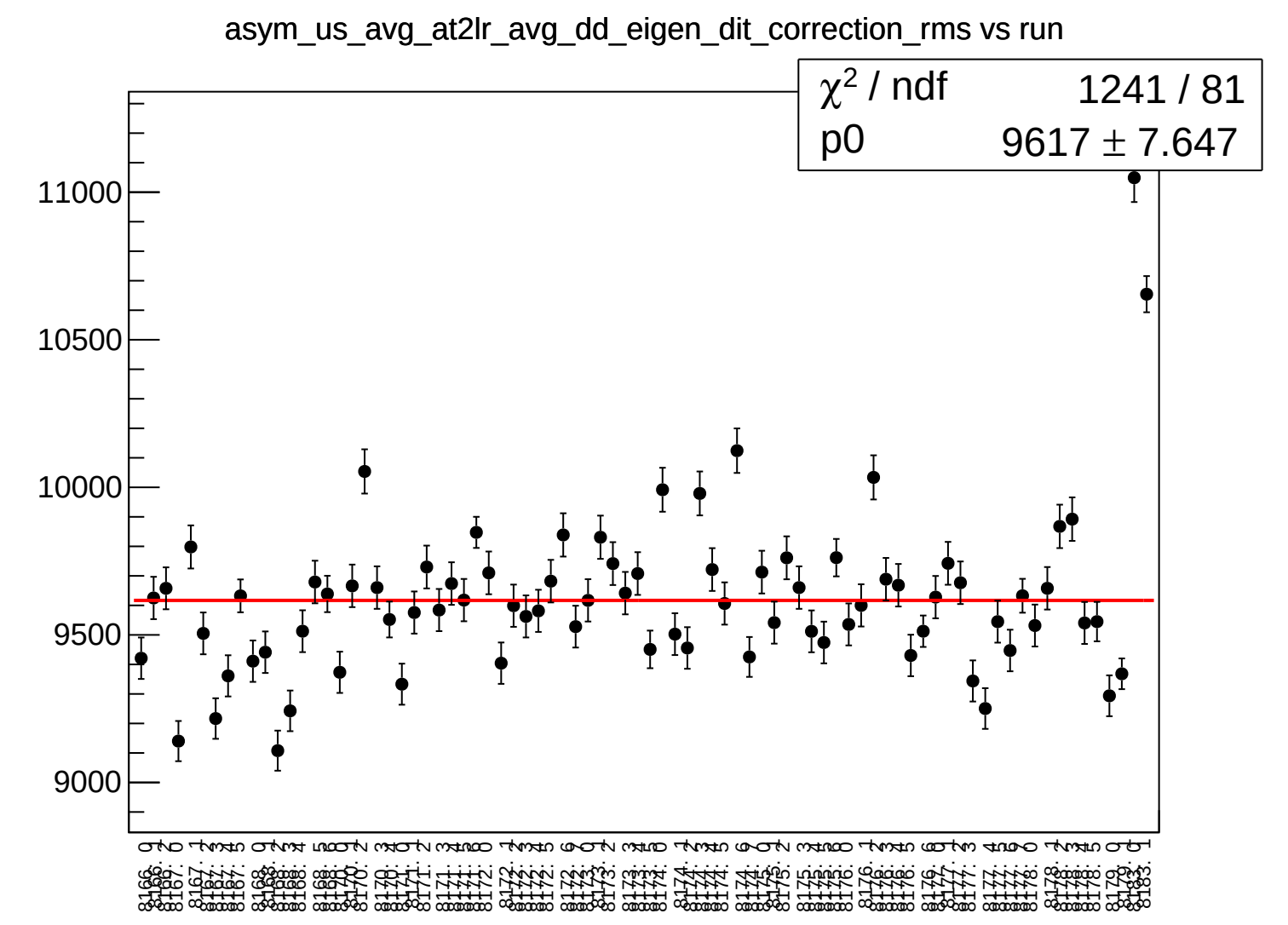

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 80.5 / 81
p0 −1722 ± 2033
pull
Entries 82
Mean 487.3
Std Dev 0

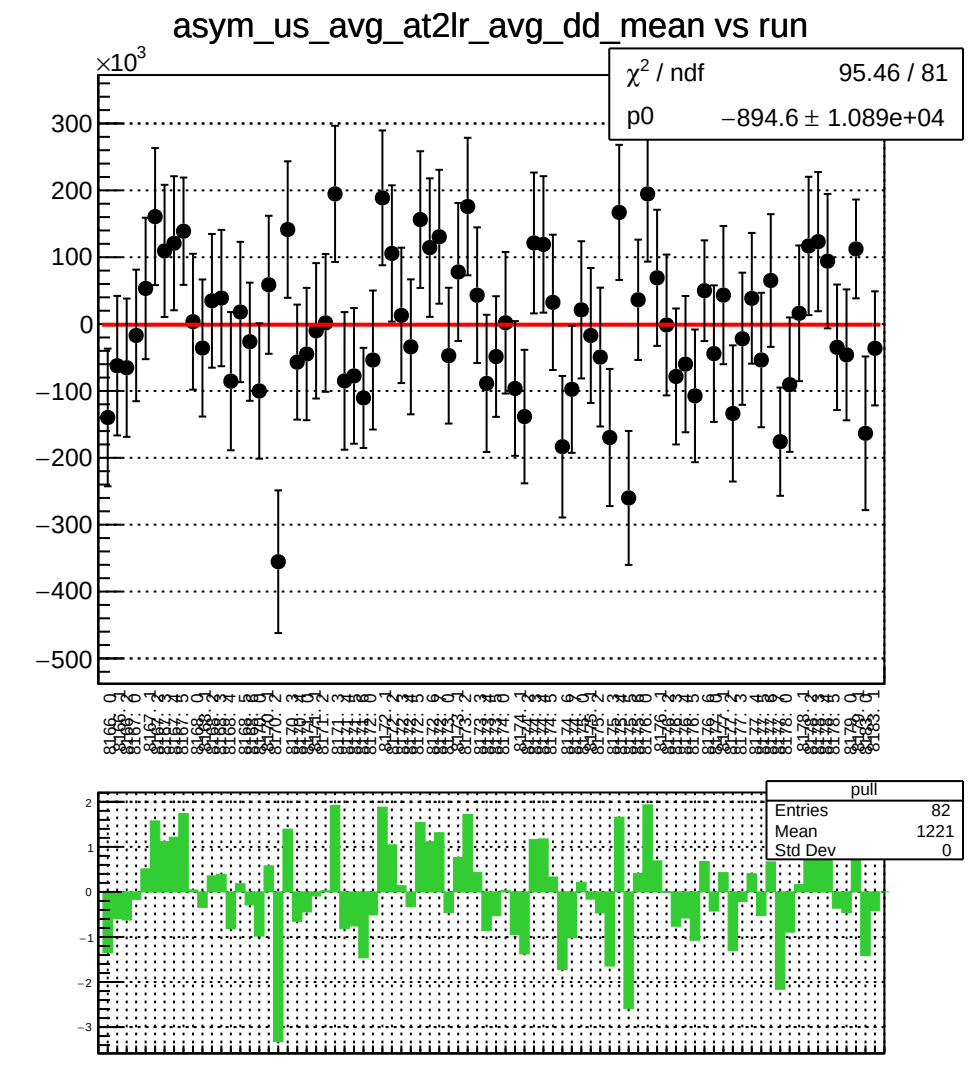

pull1D
Entries 82
Mean −0.008126
Std Dev 0.9908

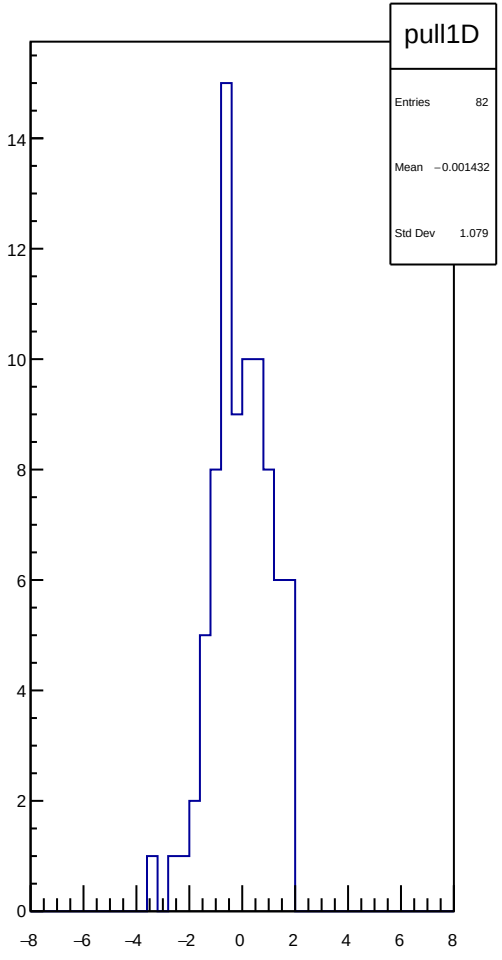

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 343.2 / 81
p0 1808 ± 1.437
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

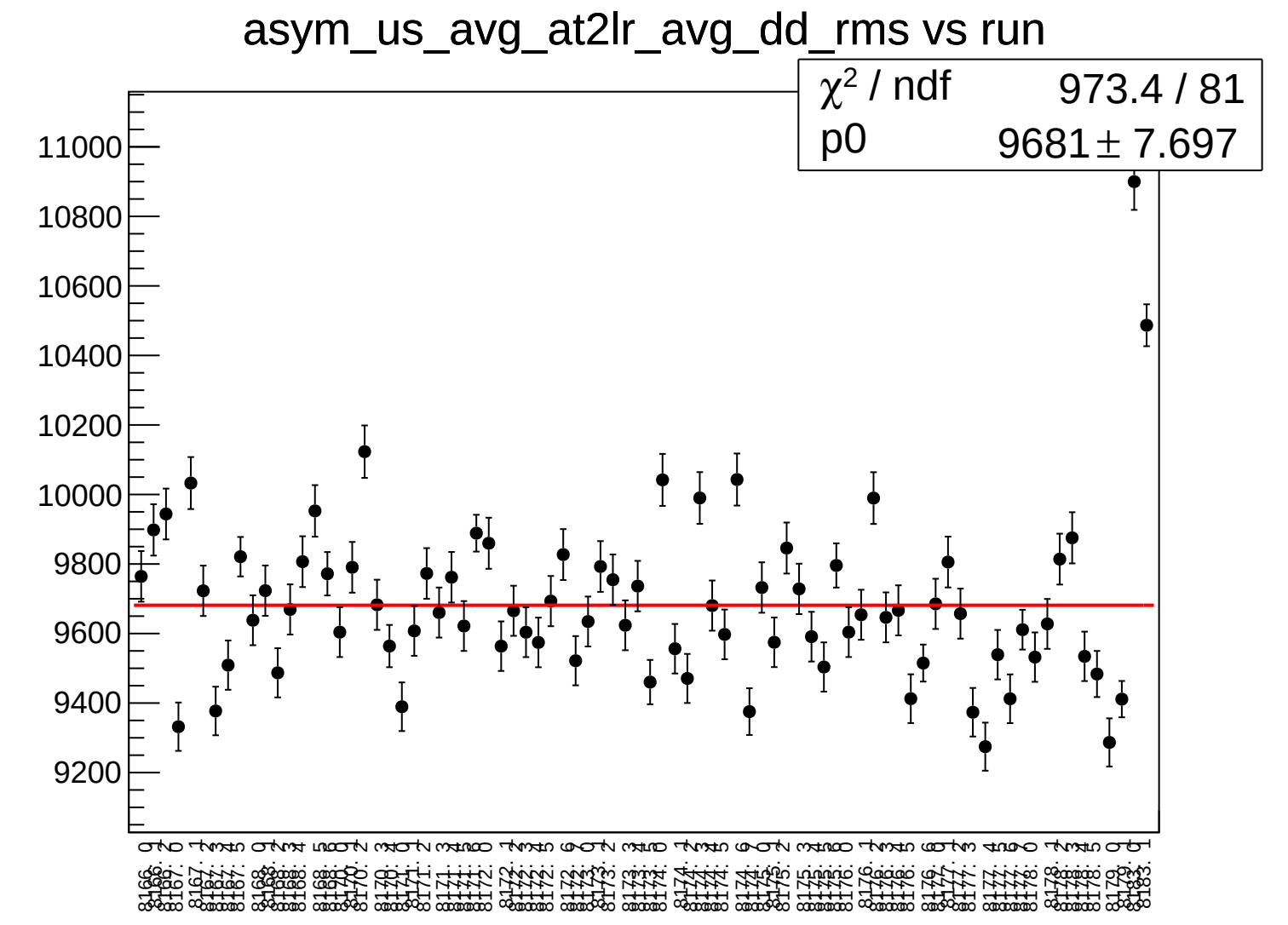

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.94 / 81
p0 −1036 ± 1.081e+04
pull
Entries 82
Mean 916
Std Dev 0

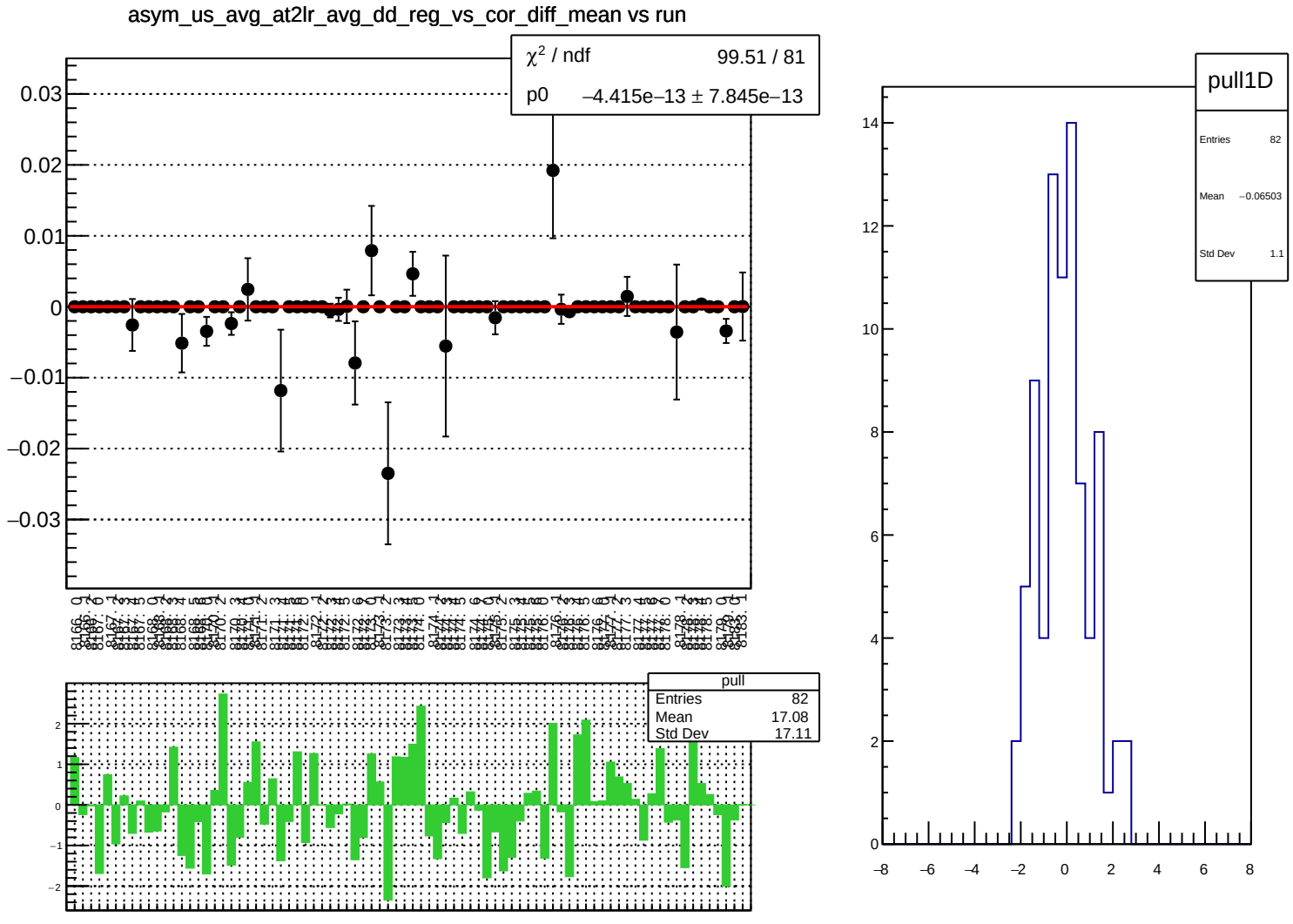

pull1D
Entries 82
Mean 0.001143
Std Dev 1.087

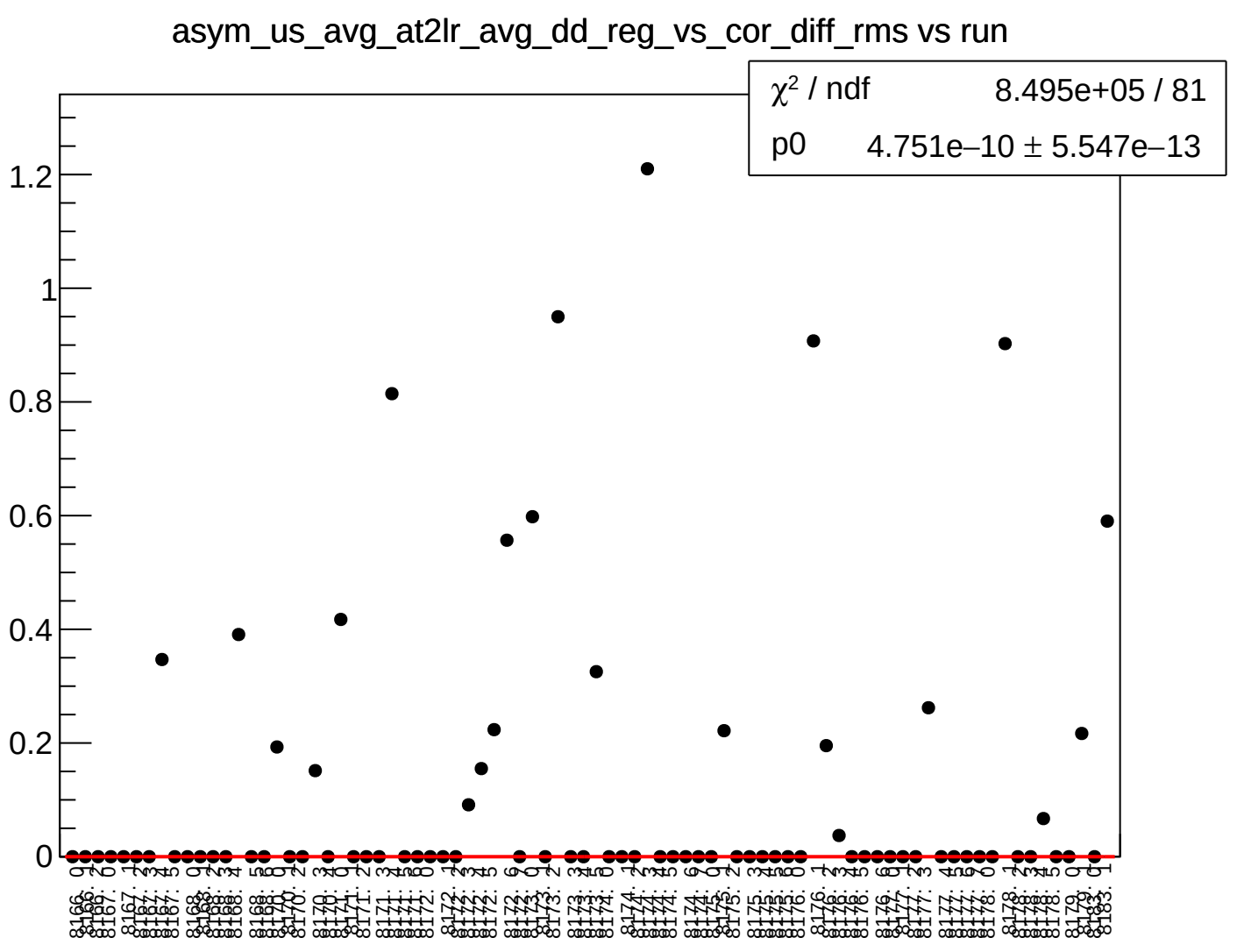

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1241 / 81
p0 9617 ± 7.647
11000
10500
10000
9500
9000

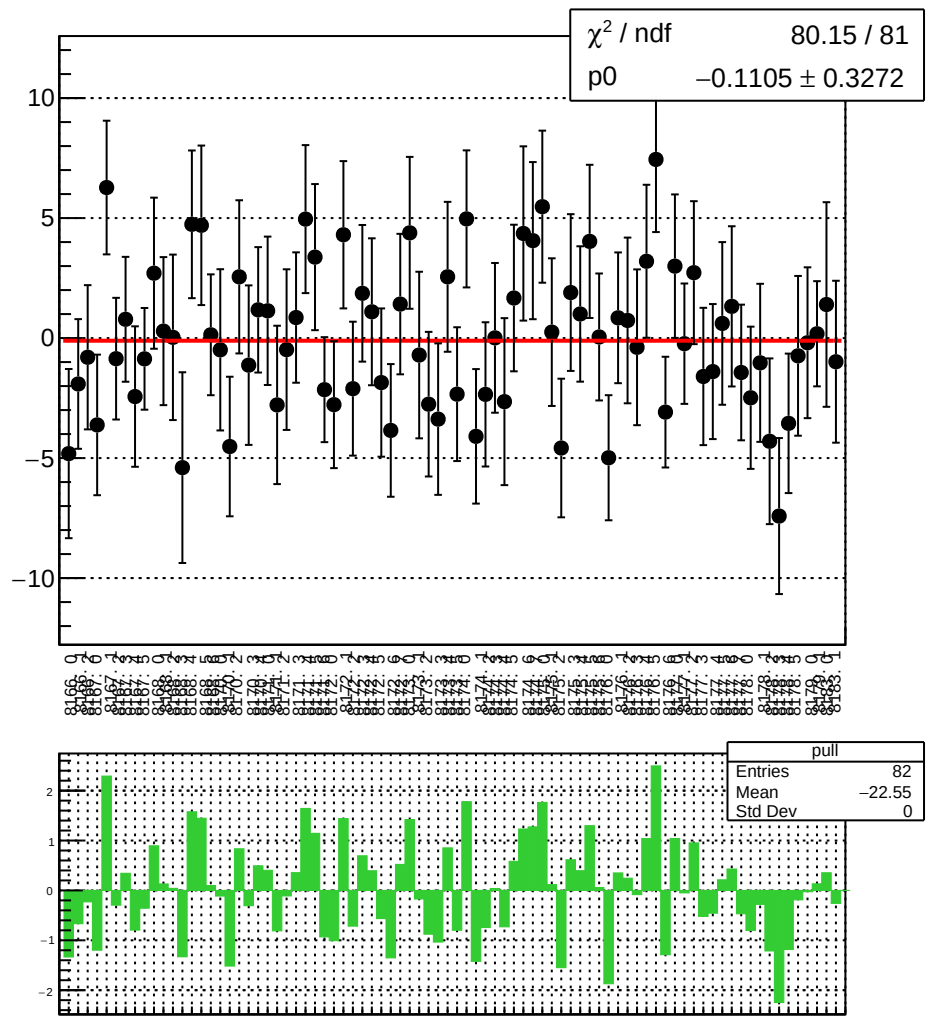

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 95.46 / 81
p0 −894.6 ± 1.089e+04
pull
Entries 82
Mean 1221
Std Dev 0

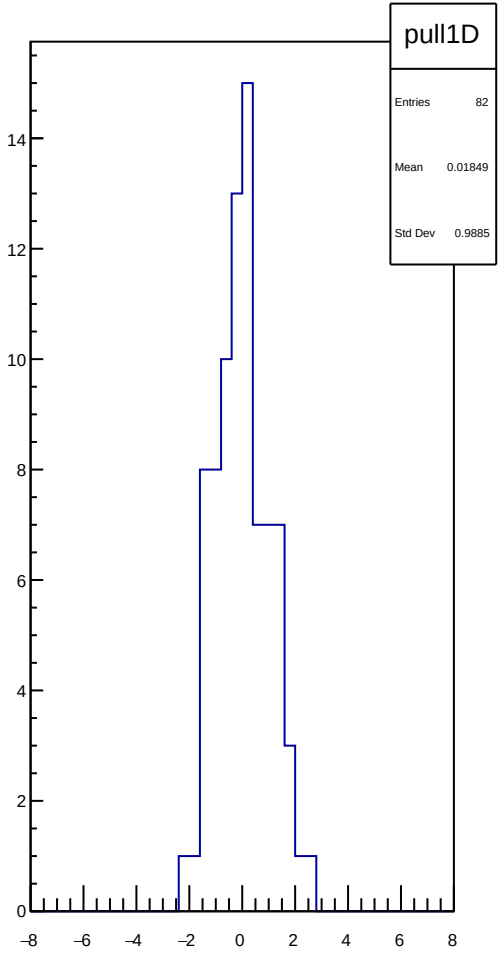

pull1D
Entries 82
Mean −0.001432
Std Dev 1.079

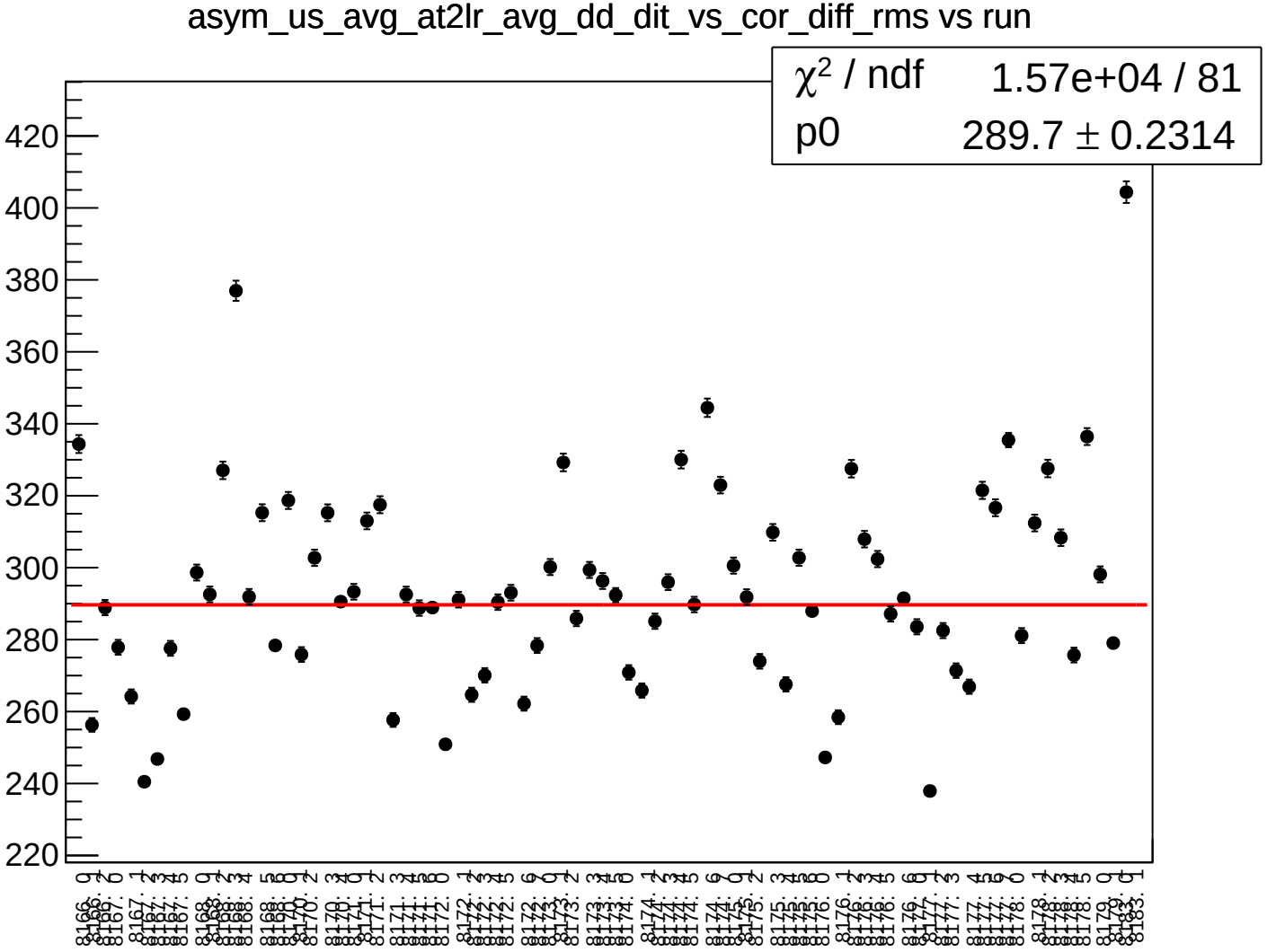

asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 973.4 / 81
p0 9681 ± 7.697
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200

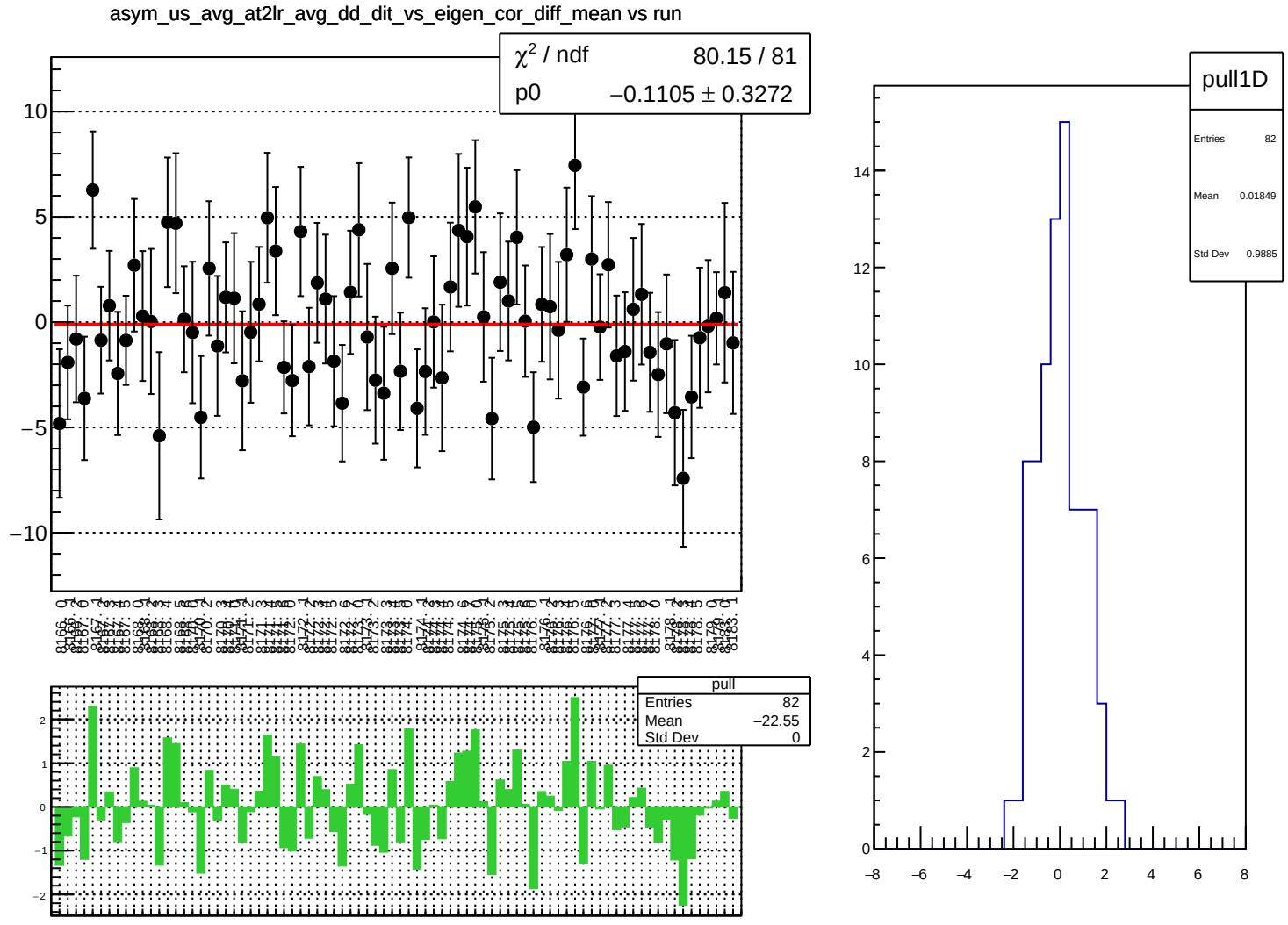

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 99.51 / 81
p0 −4.415e−13 ± 7.845e−13
pull
Entries 82
Mean 17.08
Std Dev 17.11
pull1D
Entries 82
Mean −0.06503
Std Dev 1.1

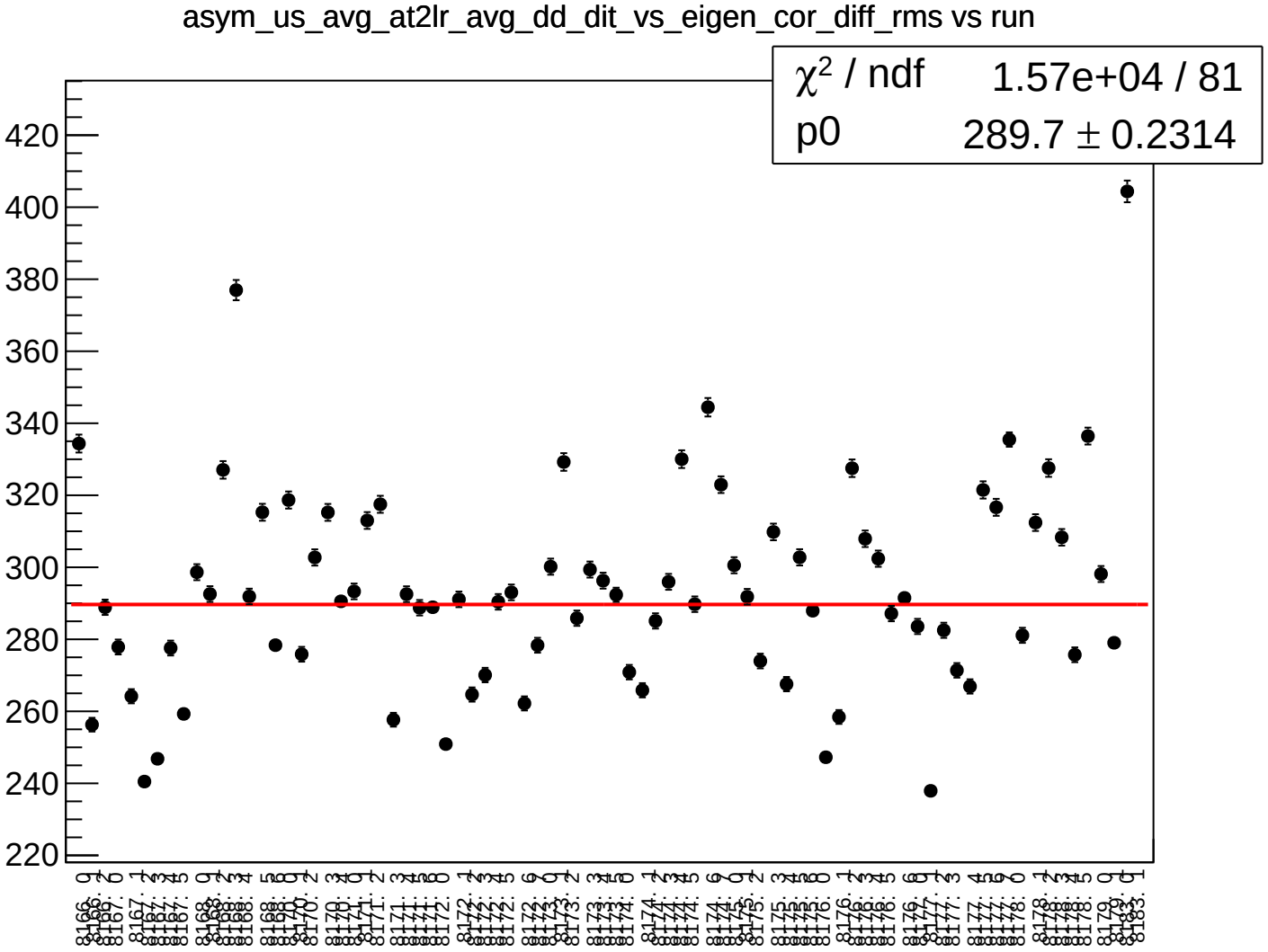

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.495e+05 / 81
p0 4.751e−10 ± 5.547e−13
1.2
1
0.8
0.6
0.4
0.2
0

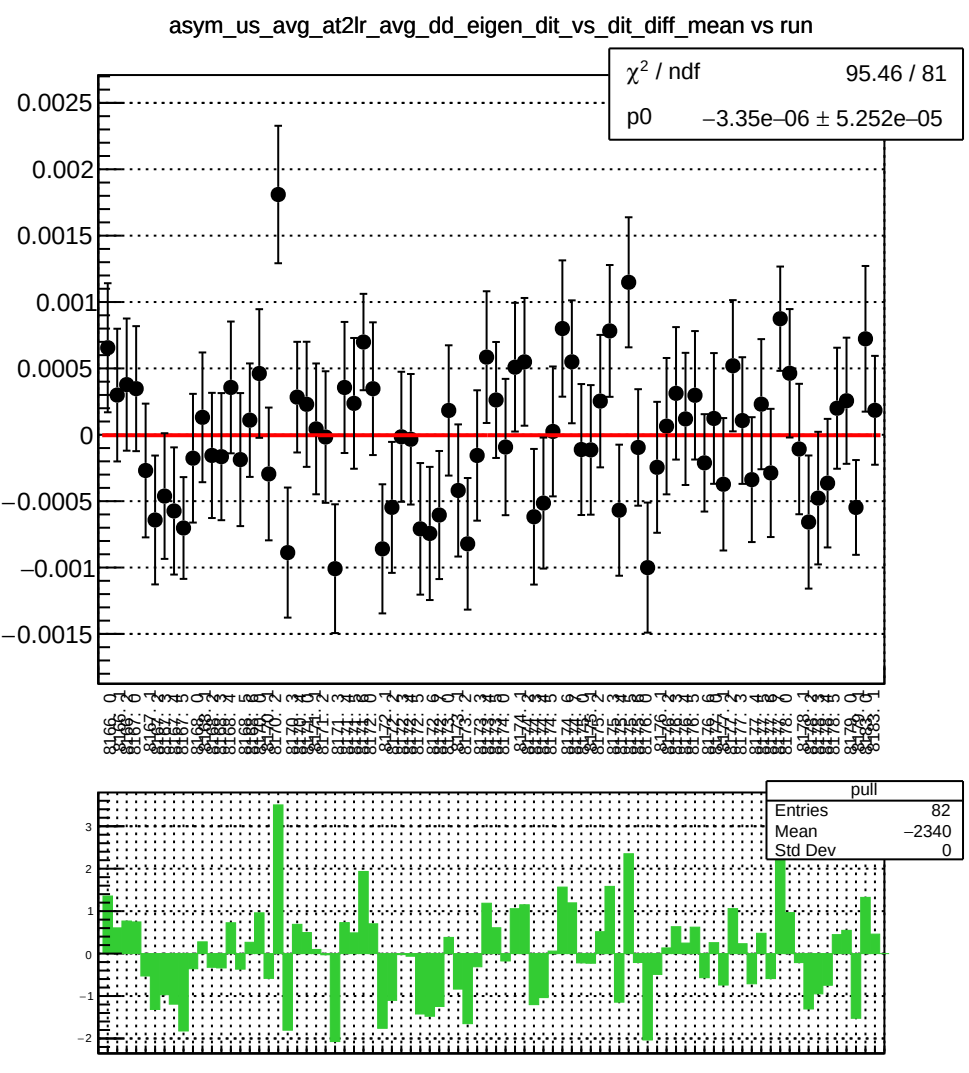

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.1105 ± 0.3272
pull
Entries 82
Mean −22.55
Std Dev 0

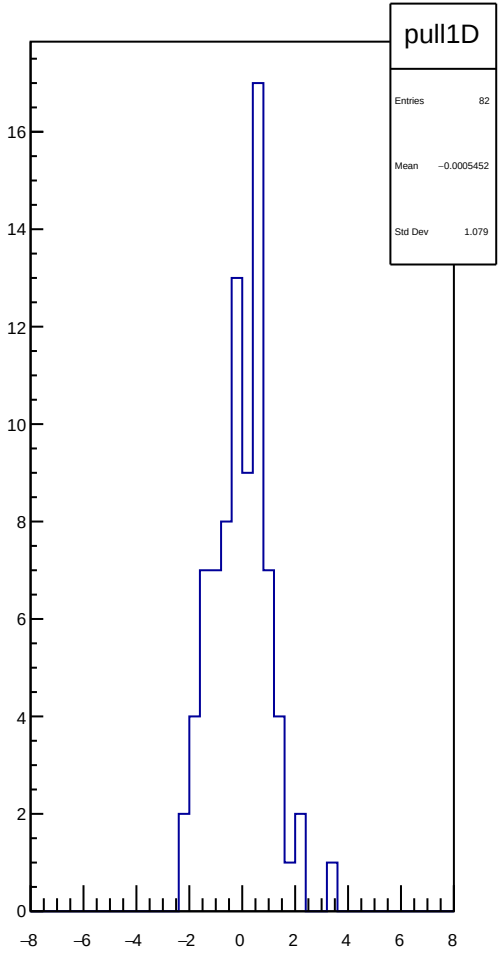

pull1D
Entries 82
Mean 0.01849
Std Dev 0.9885

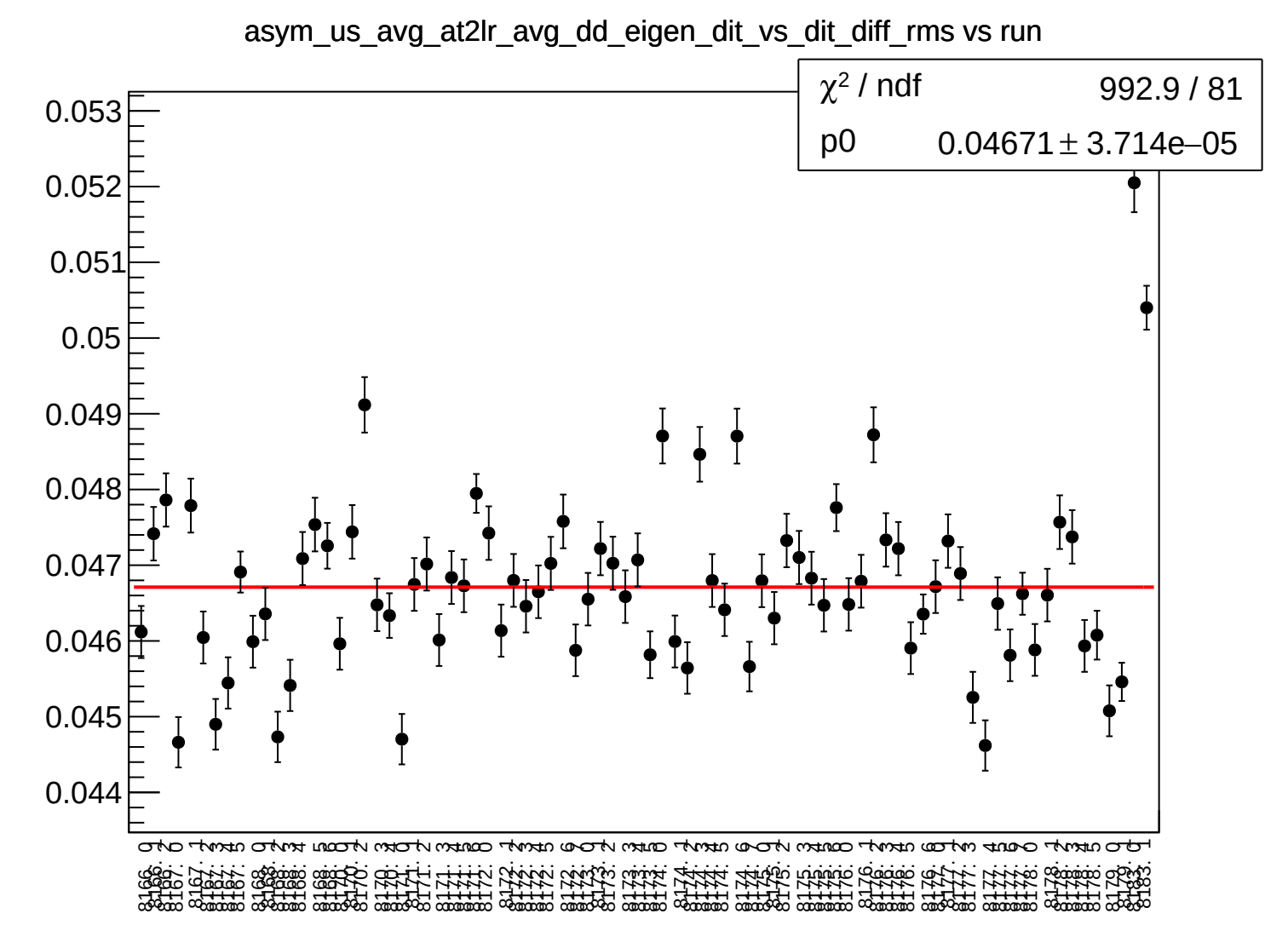

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.57e+04 / 81
p0 289.7 ± 0.2314
420
400
380
360
340
320
300
280
260
240
220

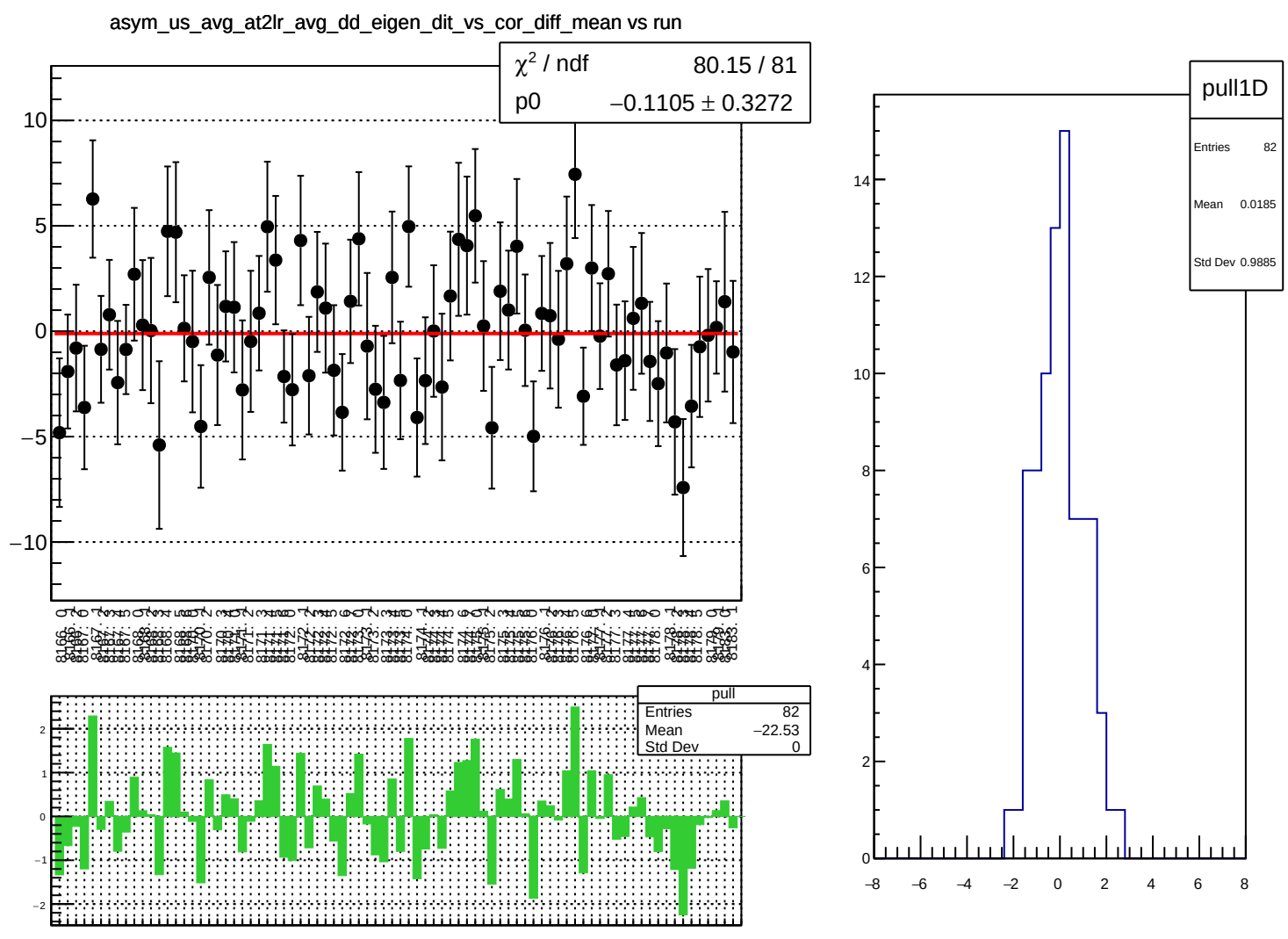

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.1105 ± 0.3272
pull
Entries 82
Mean −22.55
Std Dev 0
pull1D
Entries 82
Mean 0.01849
Std Dev 0.9885

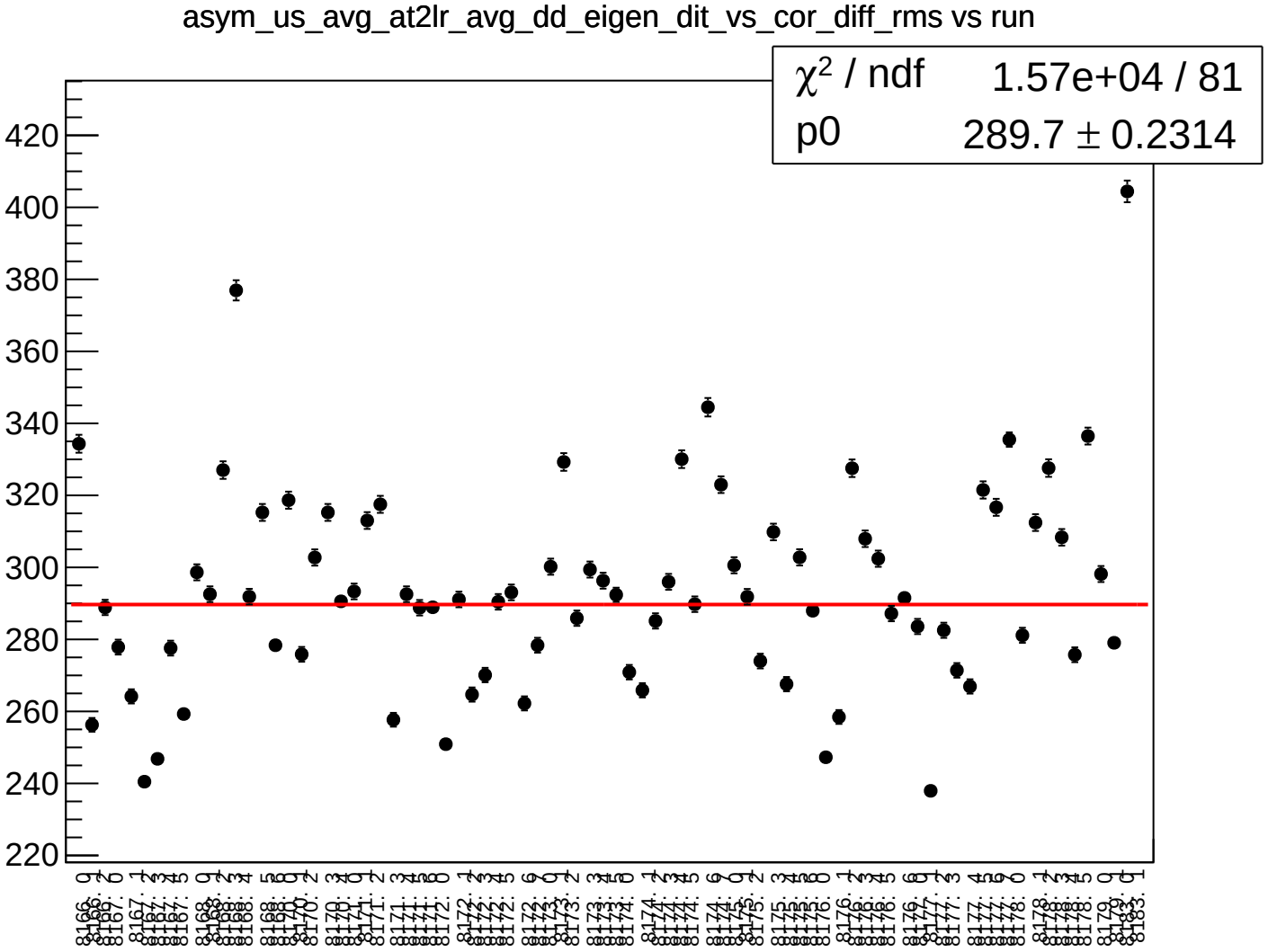

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.57e+04 / 81
p0 289.7 ± 0.2314
420
400
380
360
340
320
300
280
260
240
220

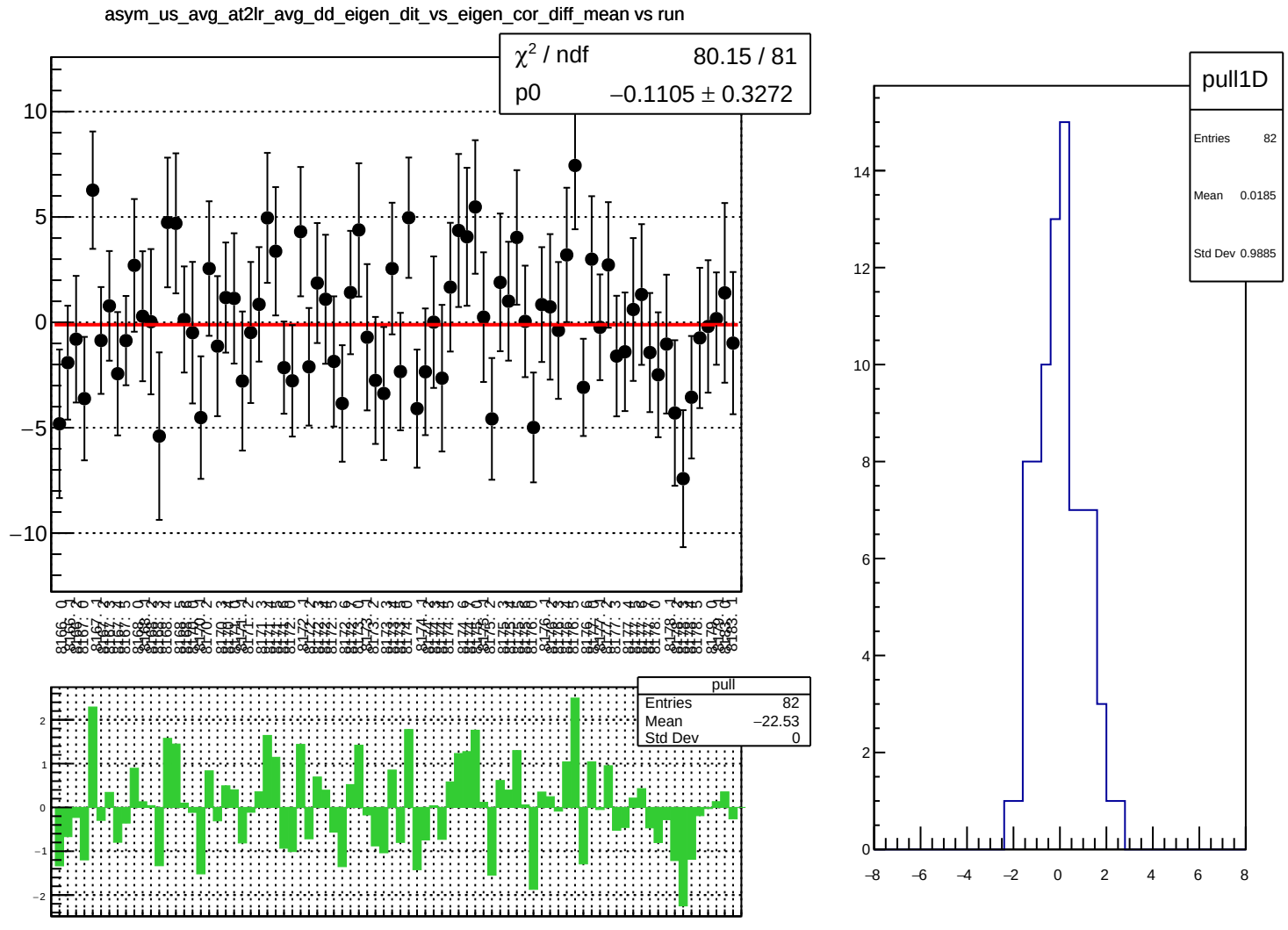

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.46 / 81
p0 −3.35e−06 ± 5.252e−05
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean −2340
Std Dev 0
3
2
1
0
−1
−2

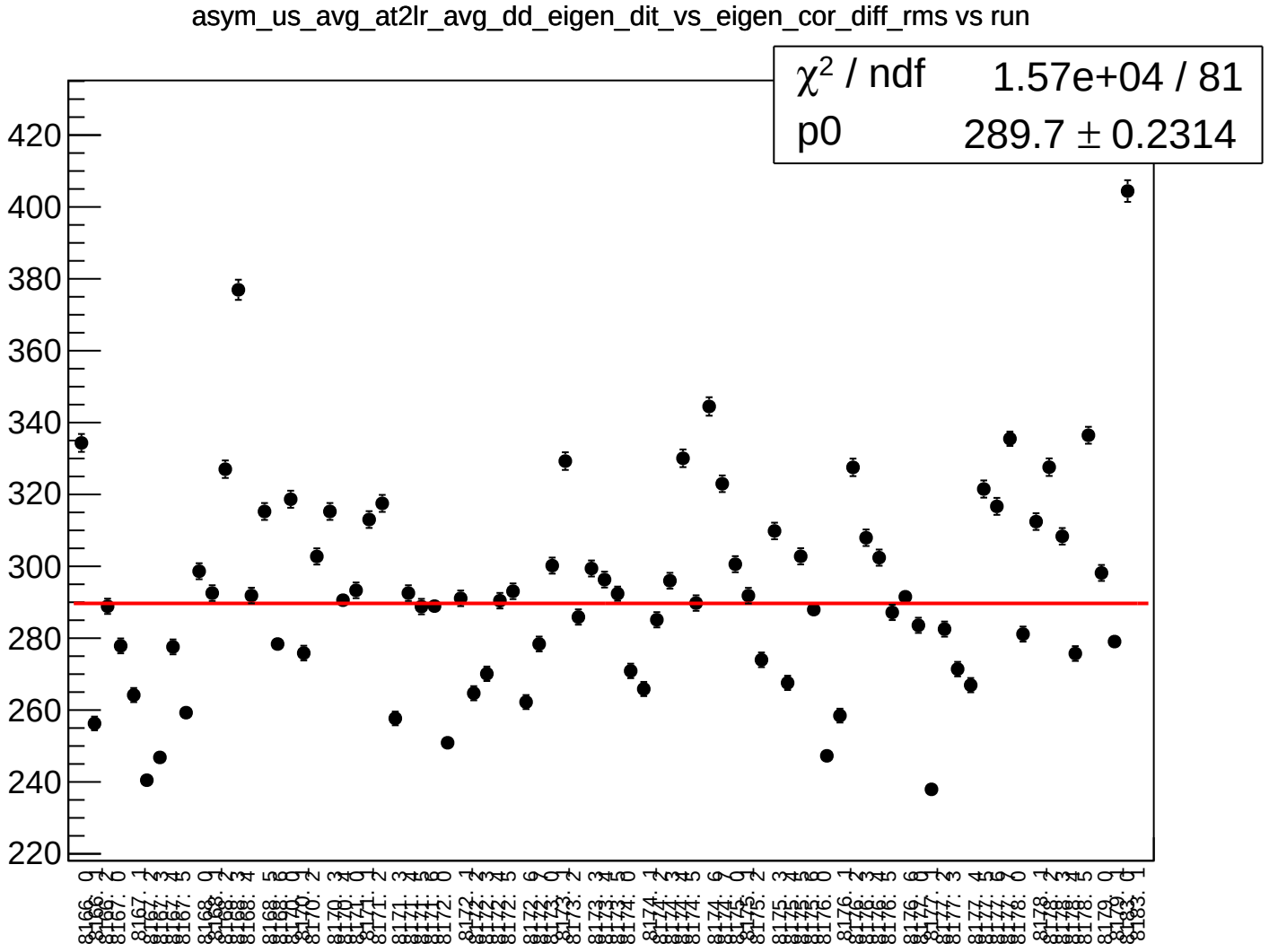

pull1D
Entries 82
Mean −0.0005452
Std Dev 1.079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

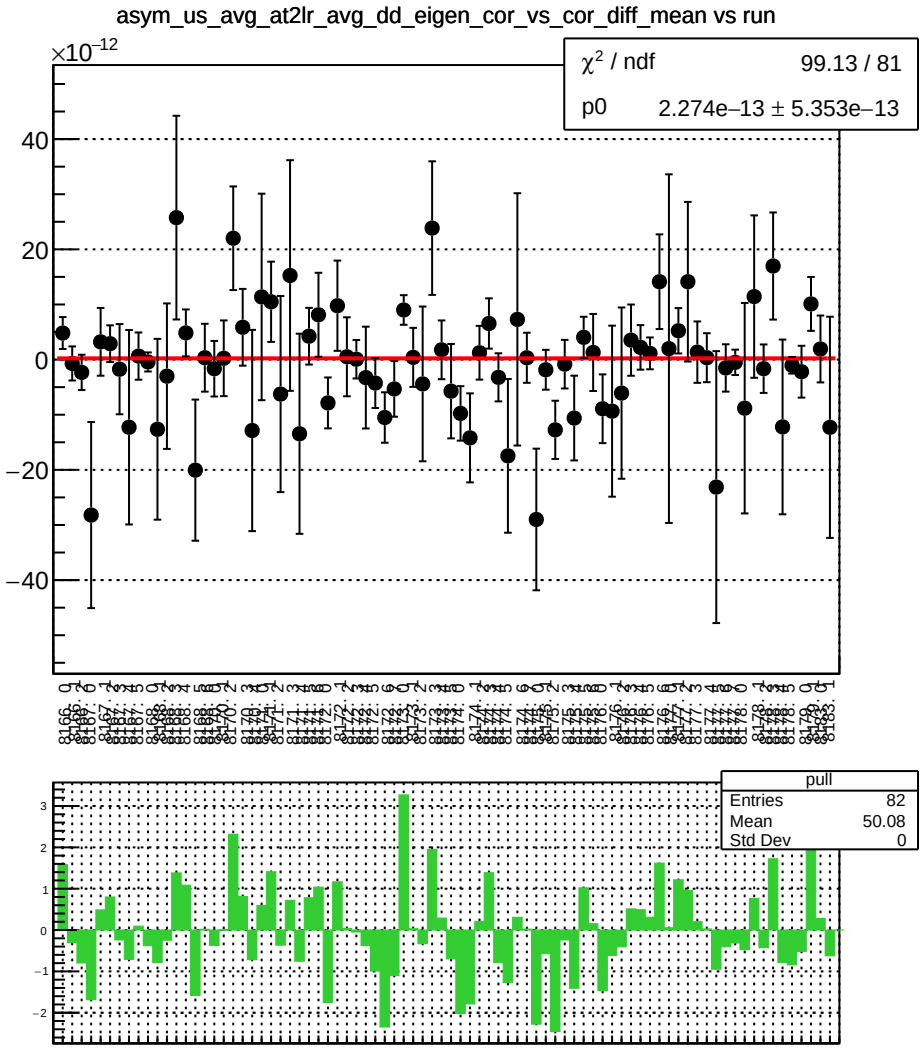

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 992.9 / 81
p0 0.04671 ± 3.714e−05
0.053
0.052
0.051
0.05
0.049
0.048
0.047
0.046
0.045
0.044

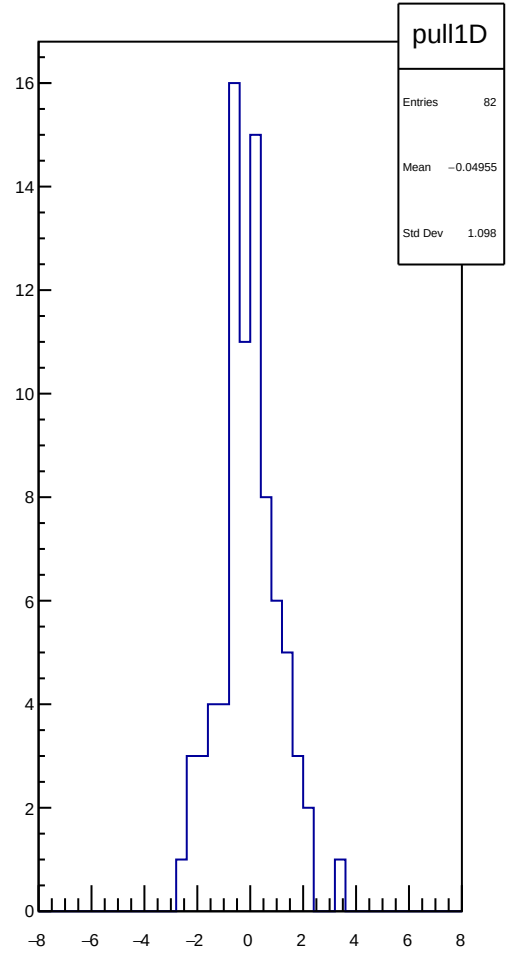

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.1105 ± 0.3272
pull
Entries 82
Mean −22.53
Std Dev 0
pull1D
Entries 82
Mean 0.0185
Std Dev 0.9885

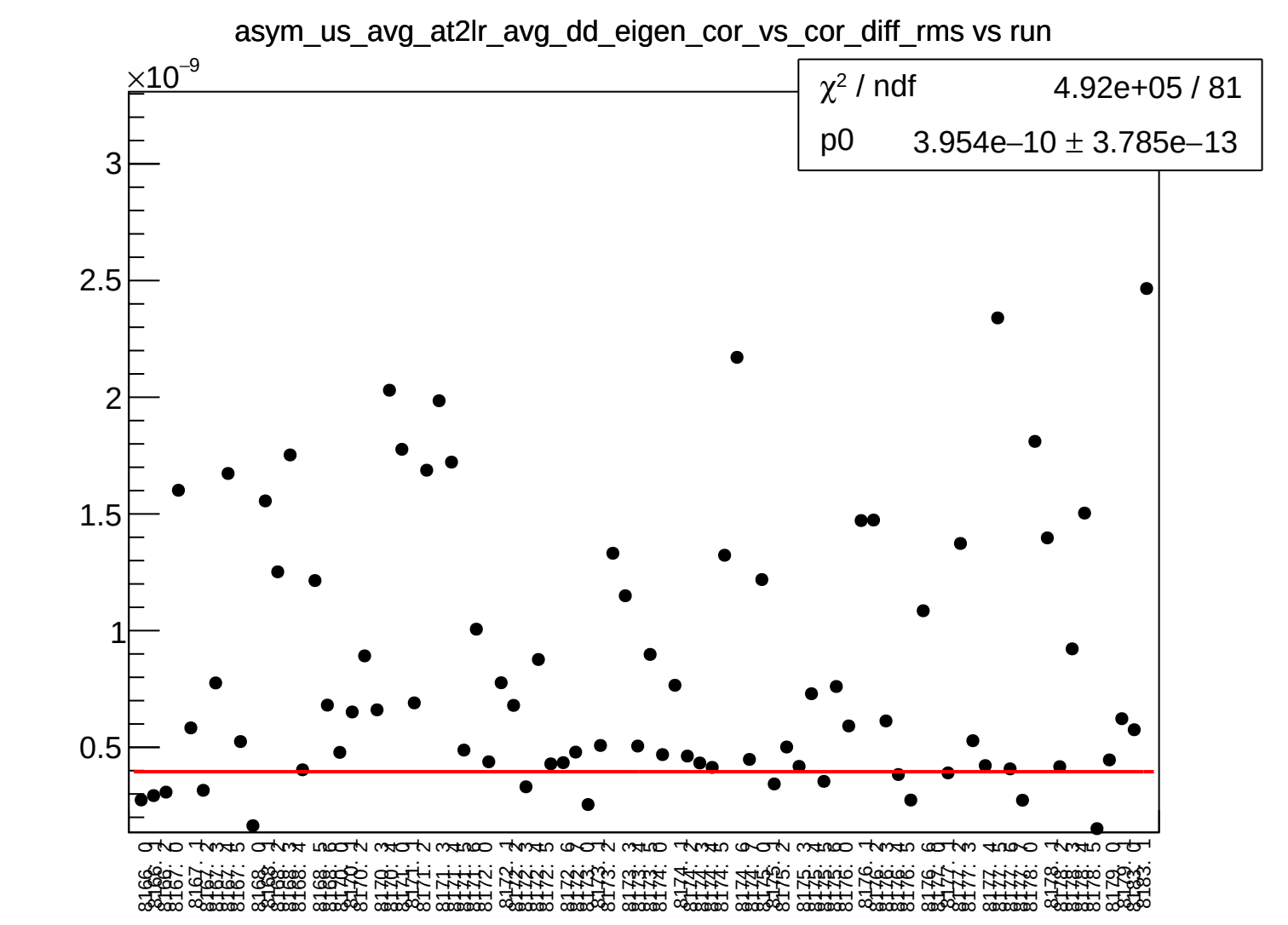

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.57e+04 / 81
p0 289.7 ± 0.2314
420
400
380
360
340
320
300
280
260
240
220

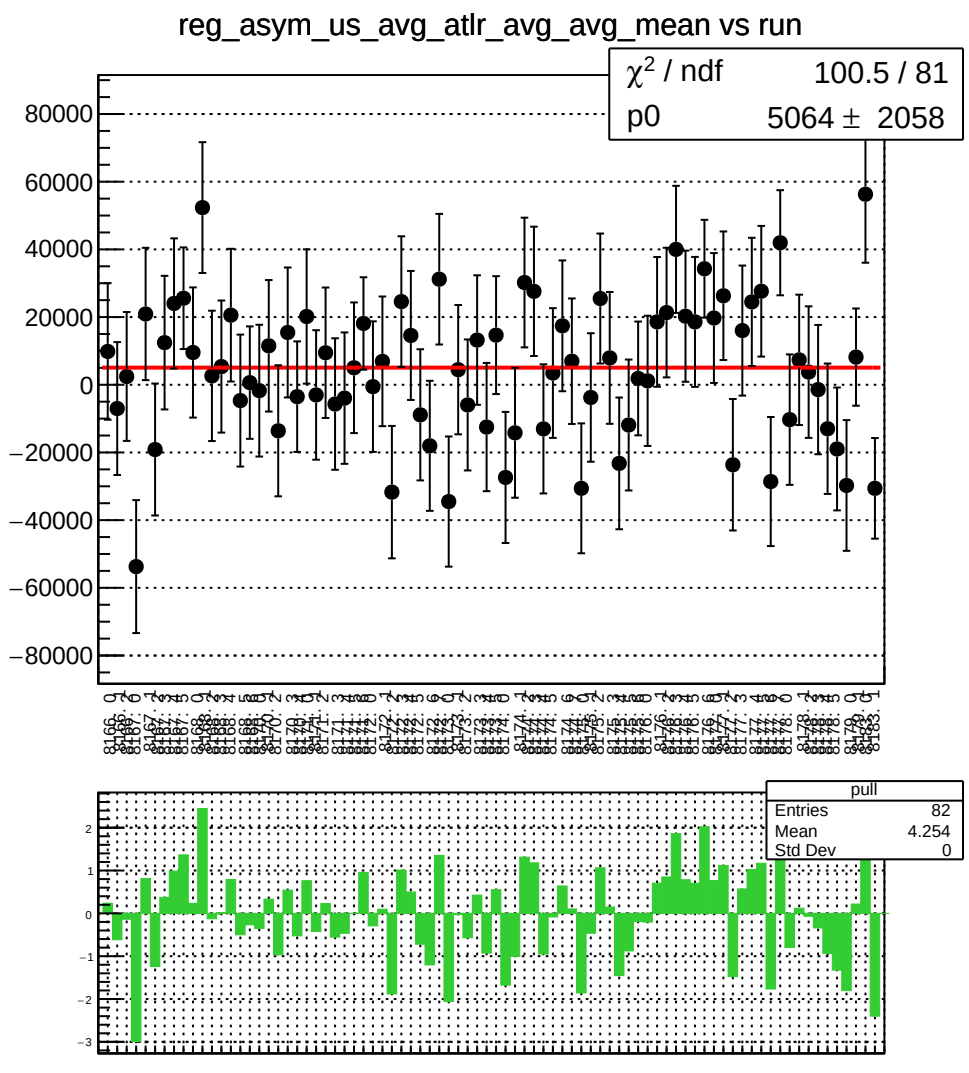

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 −0.1105 ± 0.3272
pull
Entries 82
Mean −22.53
Std Dev 0
pull1D
Entries 82
Mean 0.0185
Std Dev 0.9885

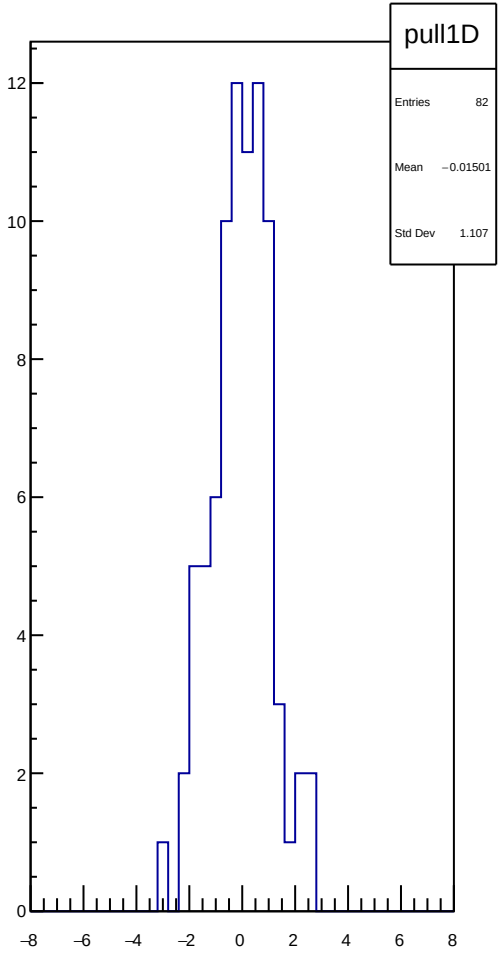

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.57e+04 / 81
p0 289.7 ± 0.2314
420
400
380
360
340
320
300
280
260
240
220

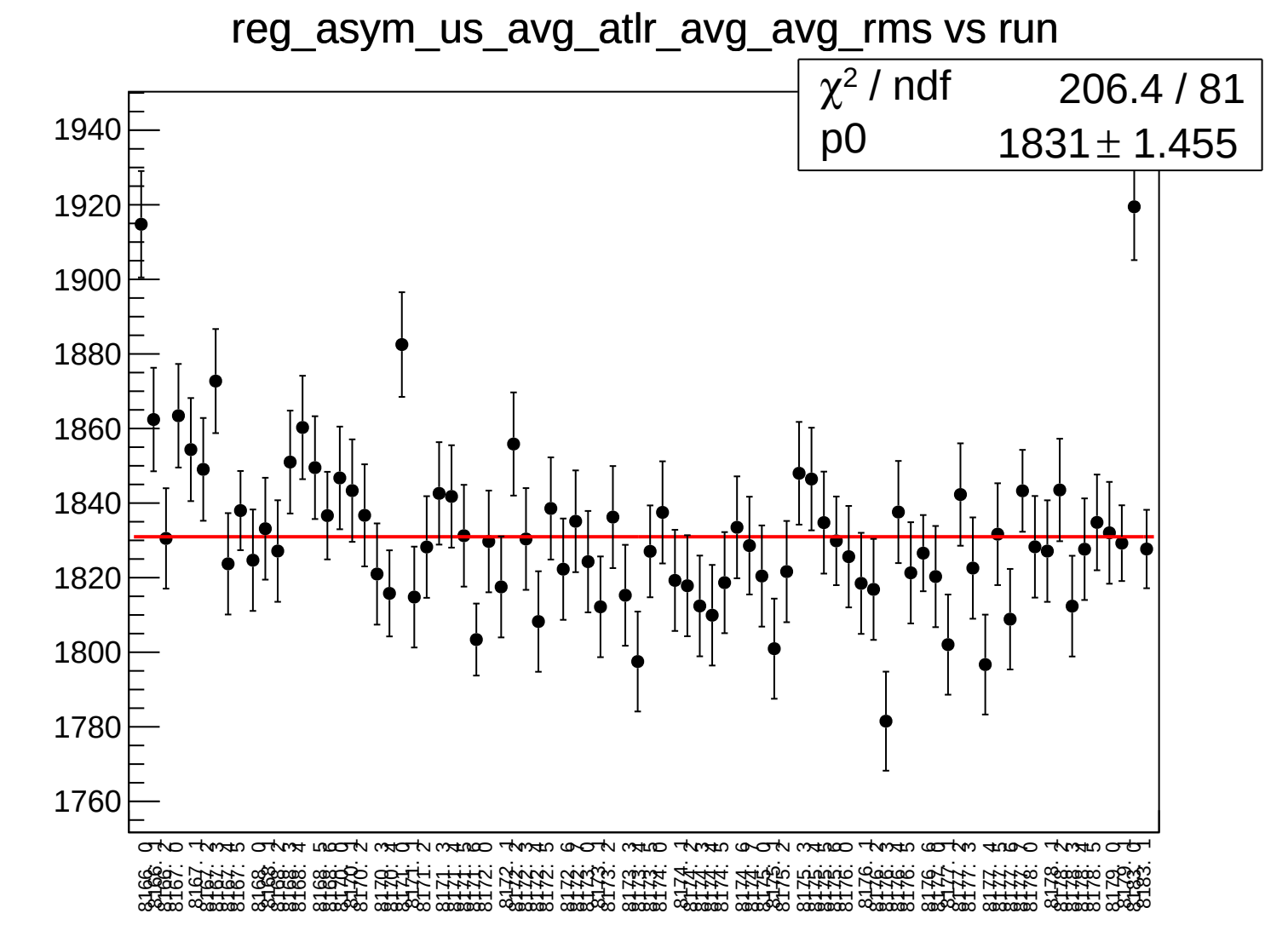

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 99.13 / 81
p0 2.274e−13 ± 5.353e−13
40
20
0
−20
−40
pull
Entries 82
Mean 50.08
Std Dev 0
3
2
1
0
−1
−2

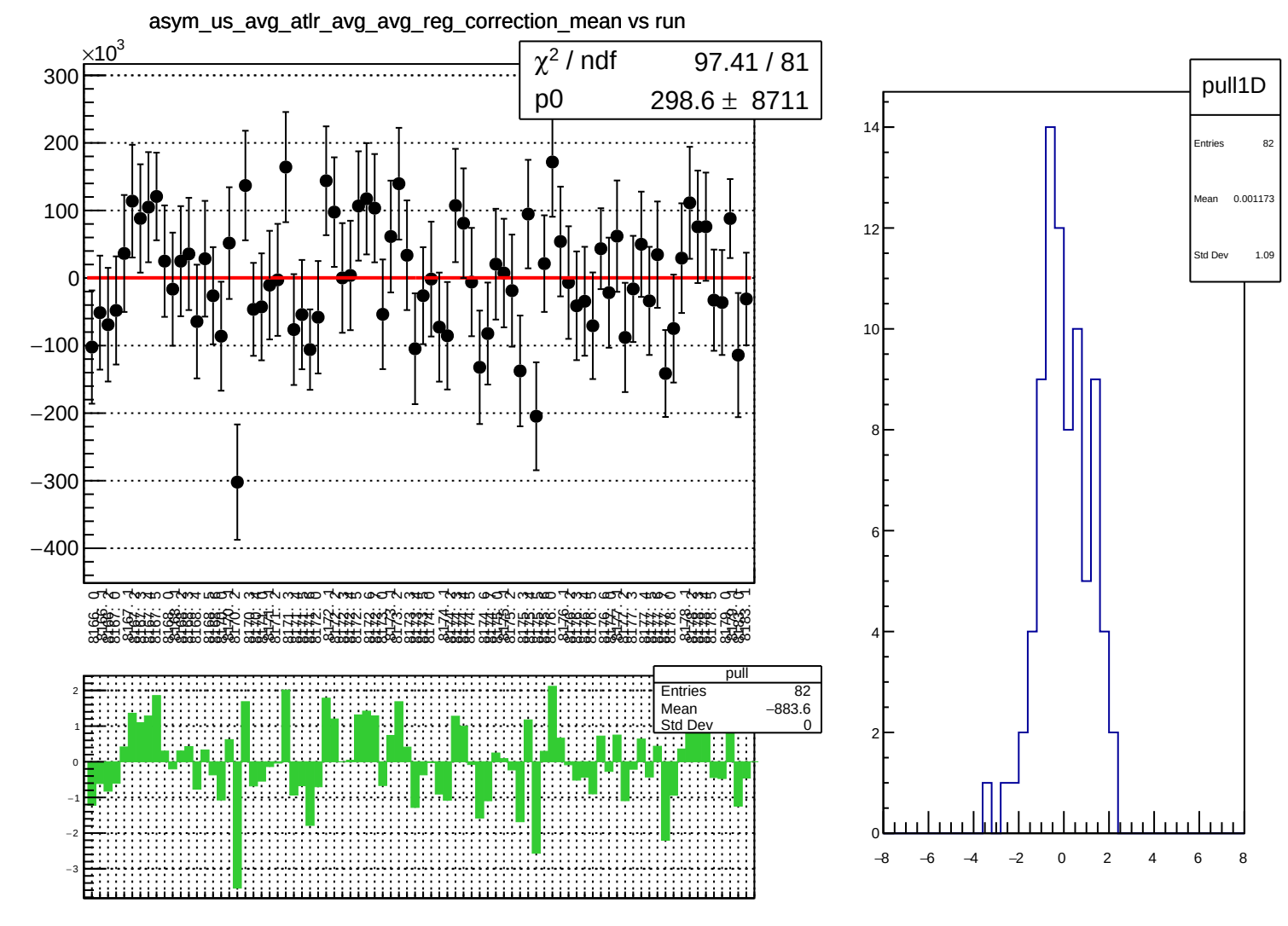

pull1D
Entries 82
Mean −0.04955
Std Dev 1.098
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

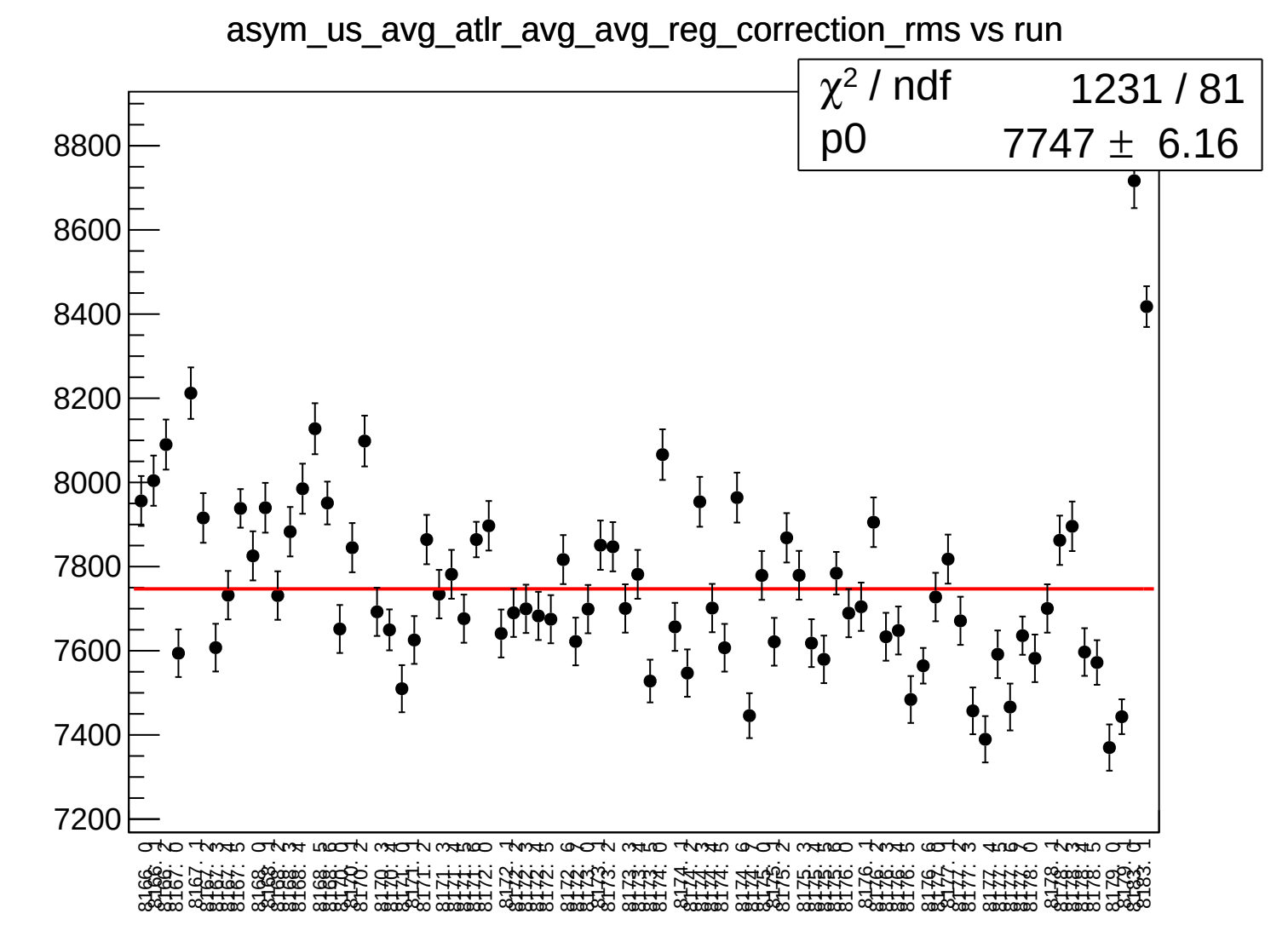

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.92e+05 / 81
p0 3.954e−10 ± 3.785e−13
3
2.5
2
1.5
1
0.5

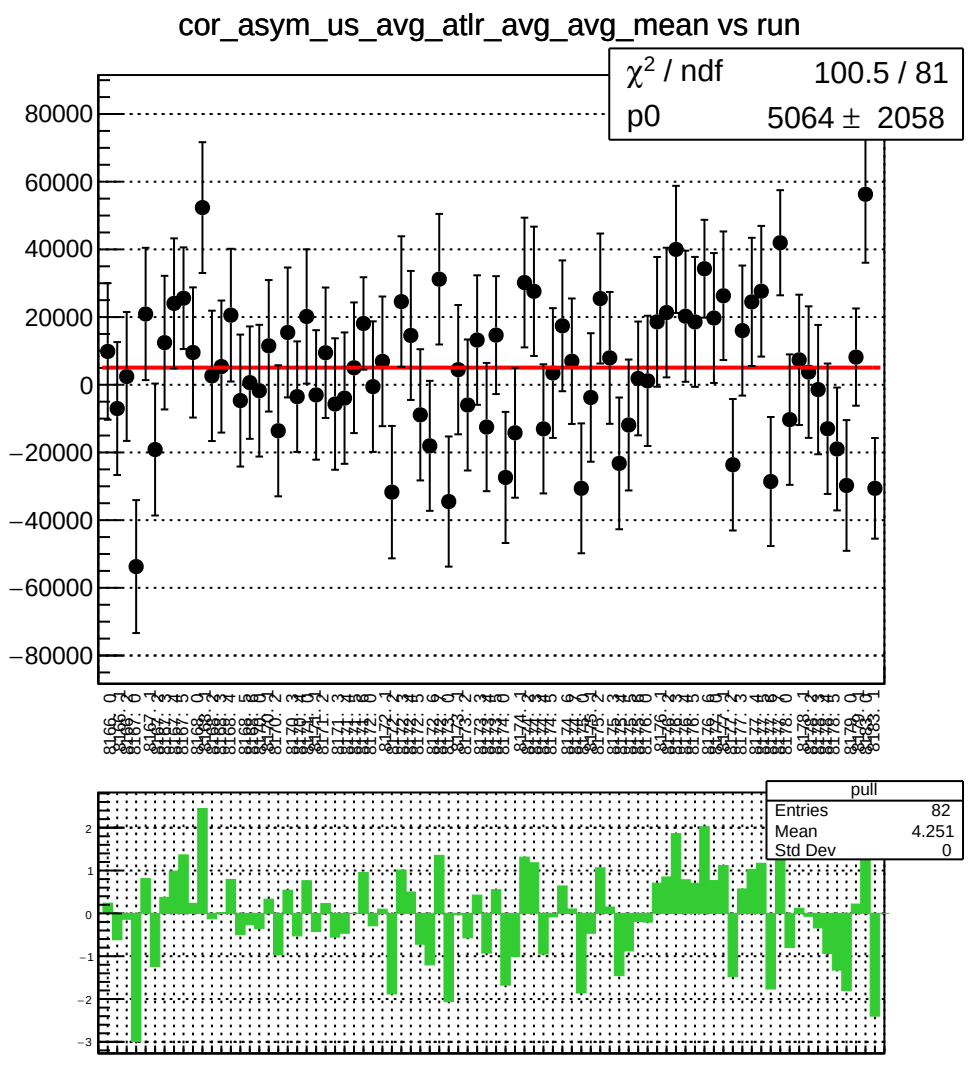

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 100.5 / 81
p0 5064 ± 2058
pull
Entries 82
Mean 4.254
Std Dev 0

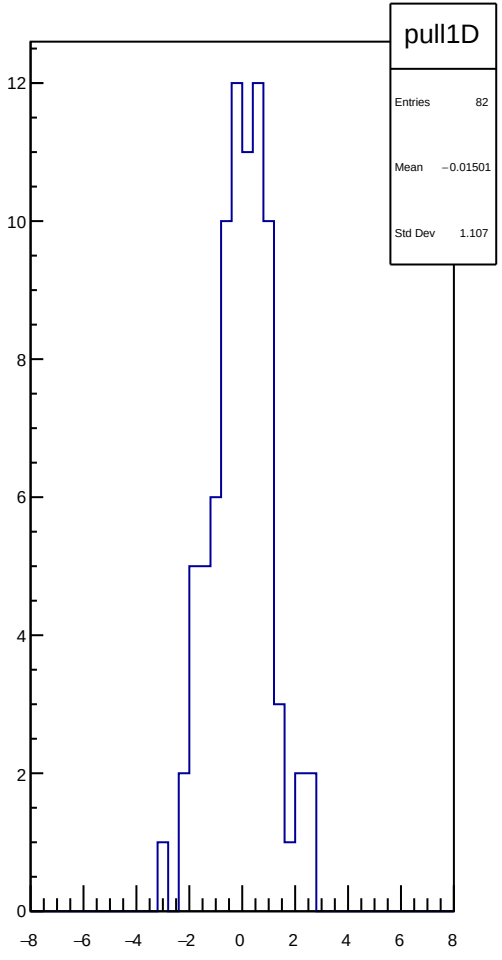

pull1D
Entries 82
Mean −0.01501
Std Dev 1.107

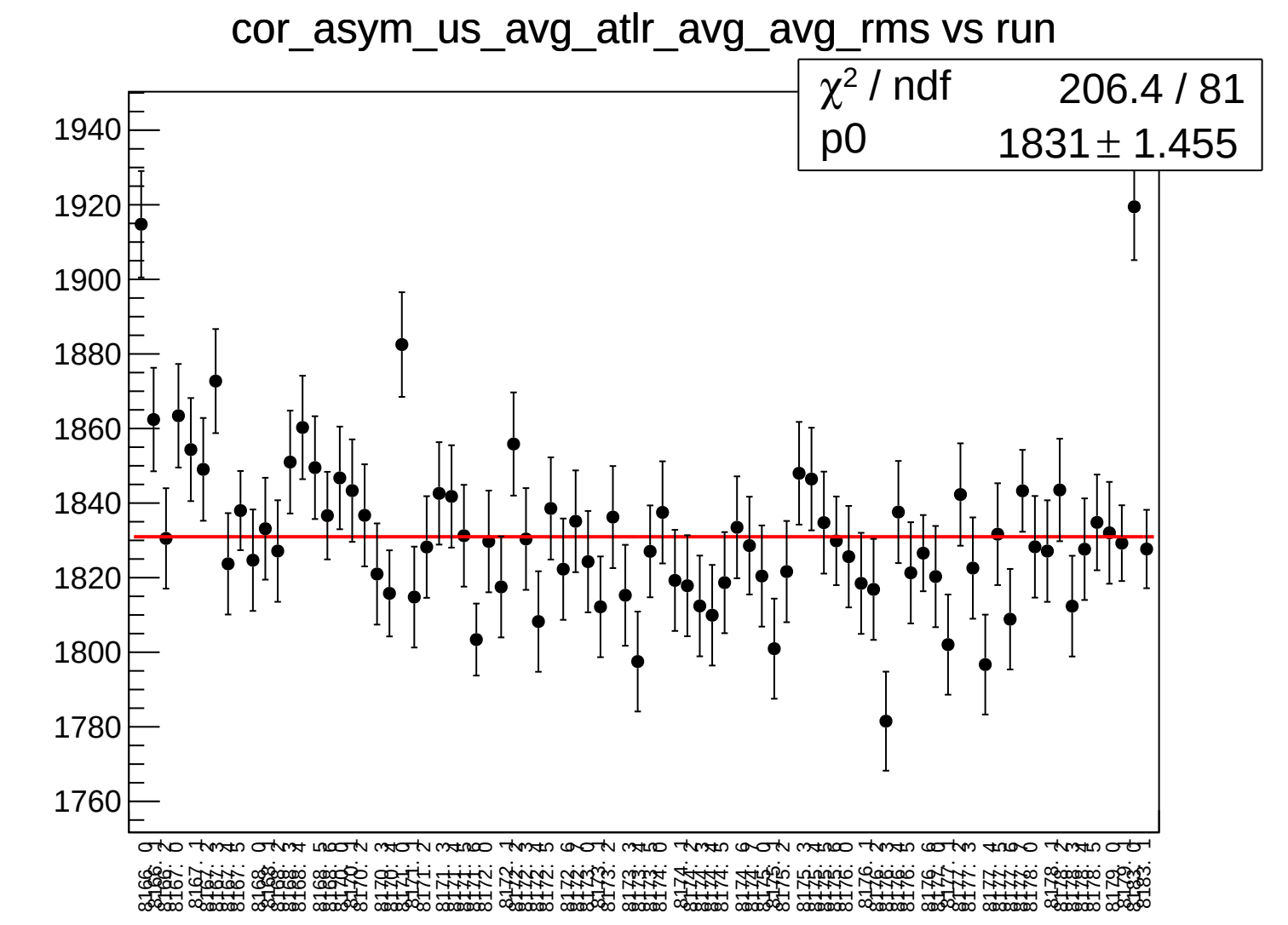

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 206.4 / 81
p0 1831 ± 1.455
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

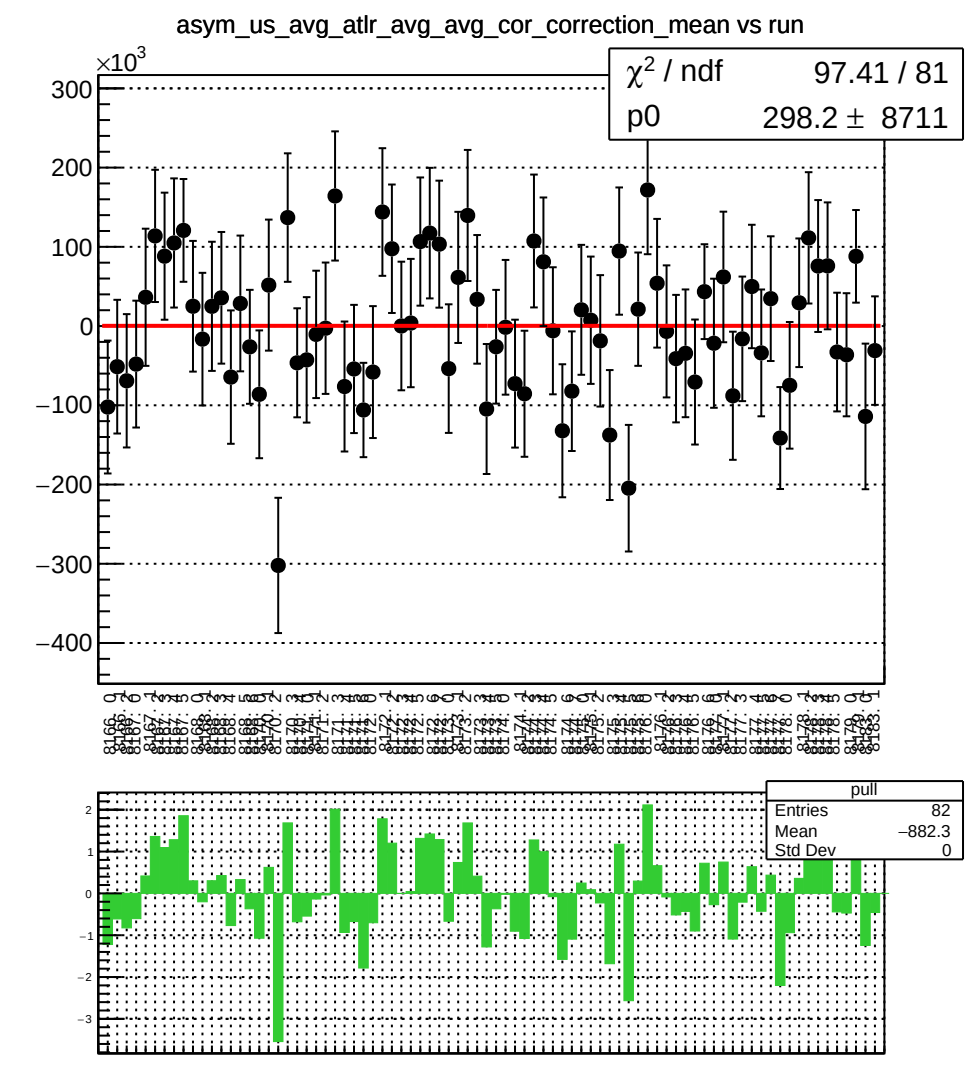

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 97.41 / 81
p0 298.6 ± 8711
pull
Entries 82
Mean −883.6
Std Dev 0
pull1D
Entries 82
Mean 0.001173
Std Dev 1.09

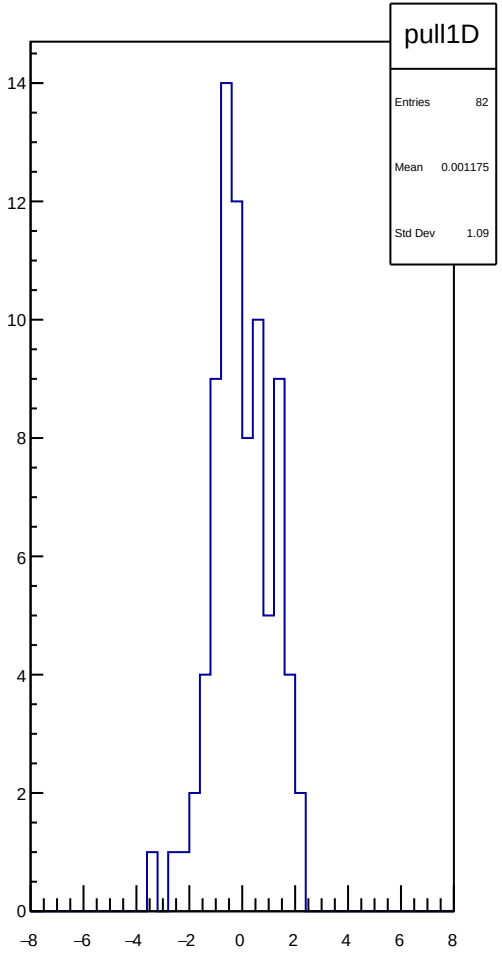

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1231 / 81
p0 7747 ± 6.16
8800
8600
8400
8200
8000
7800
7600
7400
7200

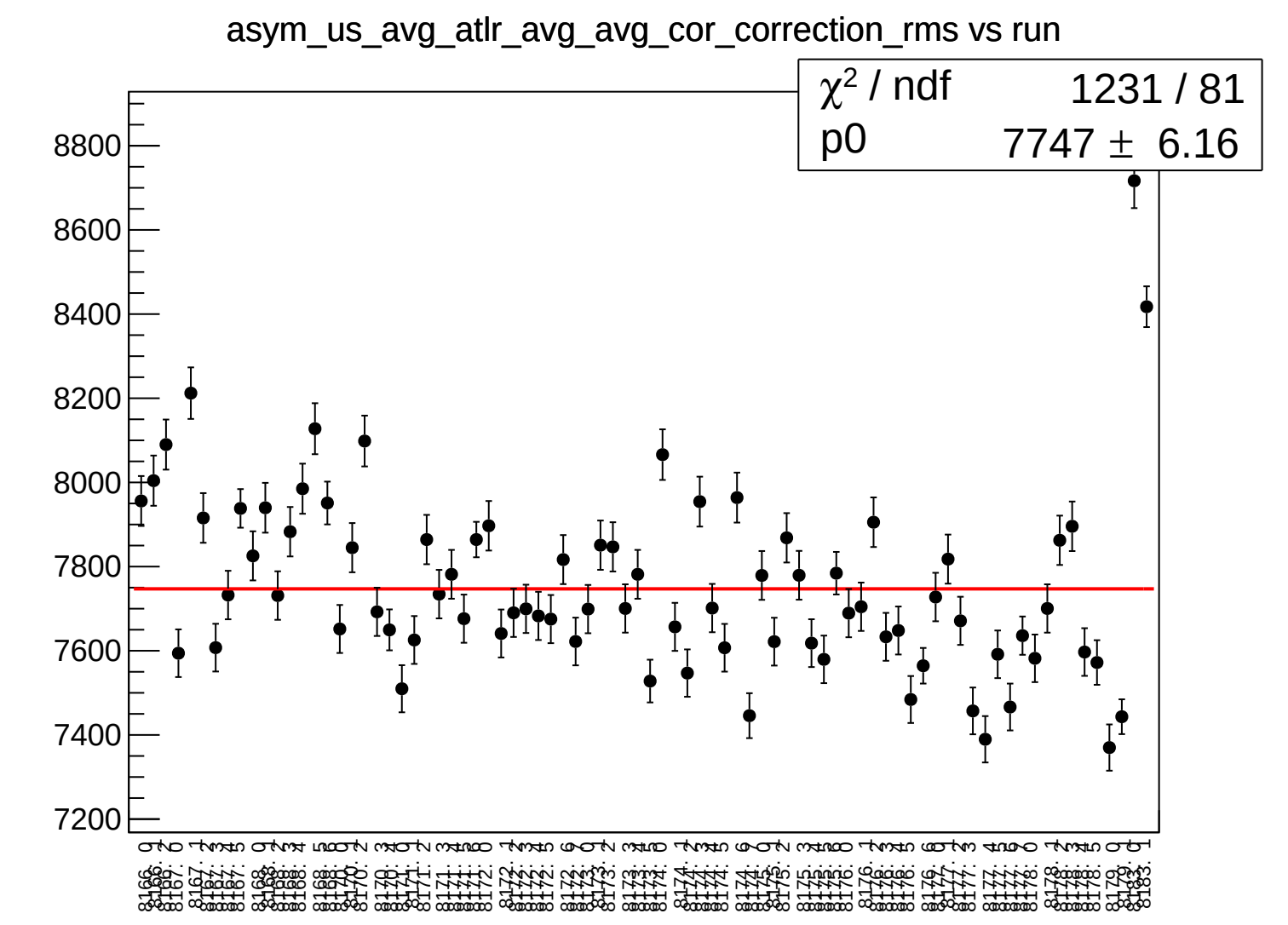

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 100.5 / 81
p0 5064 ± 2058
pull
Entries 82
Mean 4.251
Std Dev 0

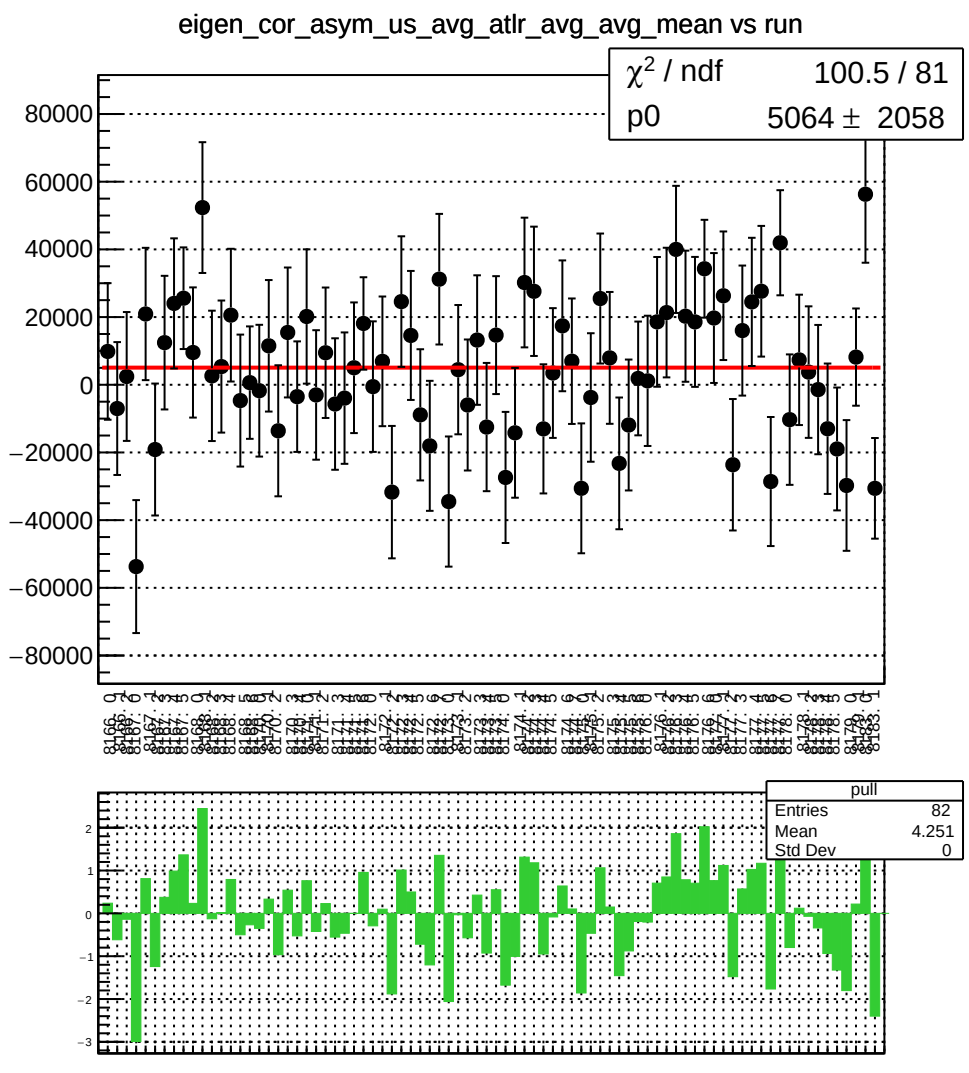

pull1D
Entries 82
Mean −0.01501
Std Dev 1.107

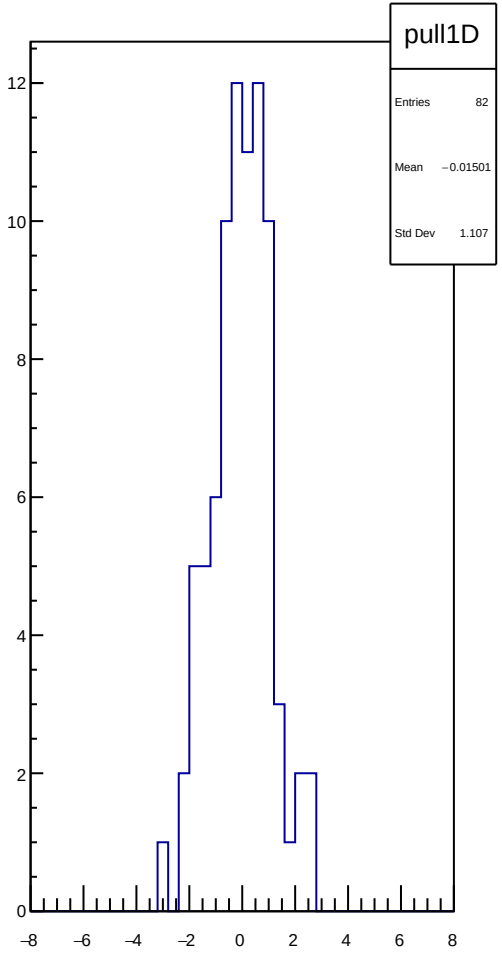

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 206.4 / 81
p0 1831 ± 1.455
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

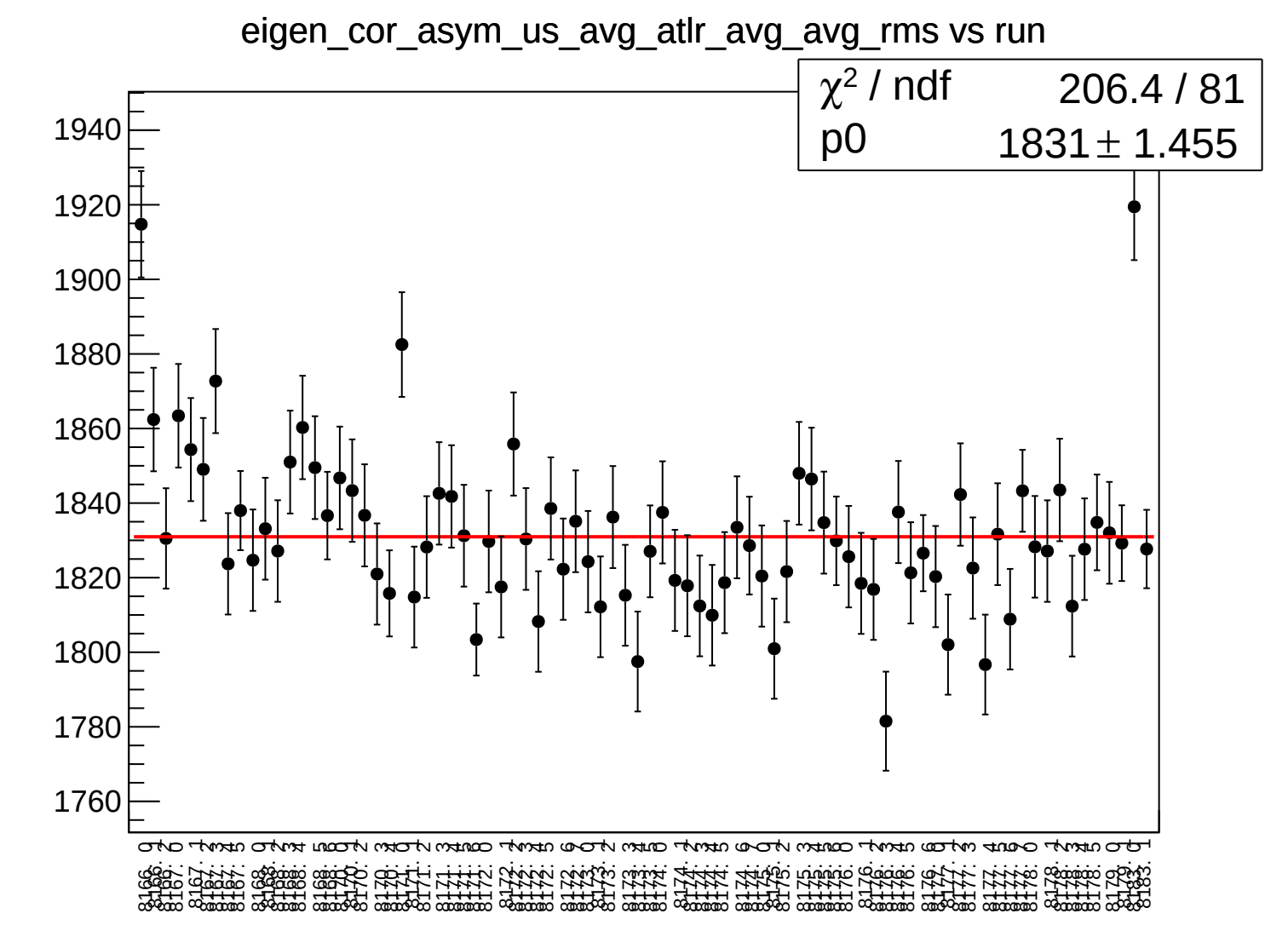

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 97.41 / 81
p0 298.2 ± 8711
pull
Entries 82
Mean −882.3
Std Dev 0

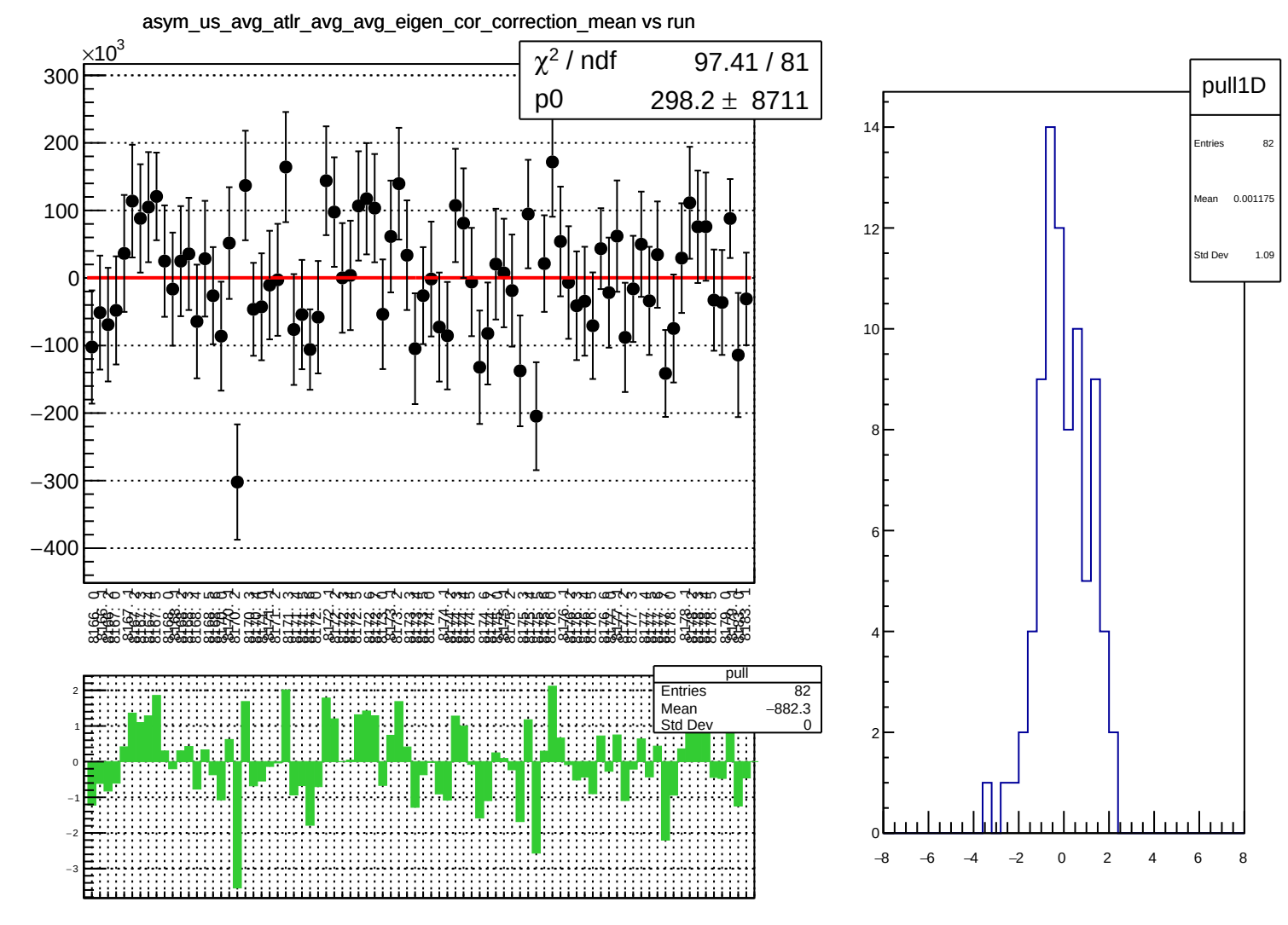

pull1D
Entries 82
Mean 0.001175
Std Dev 1.09

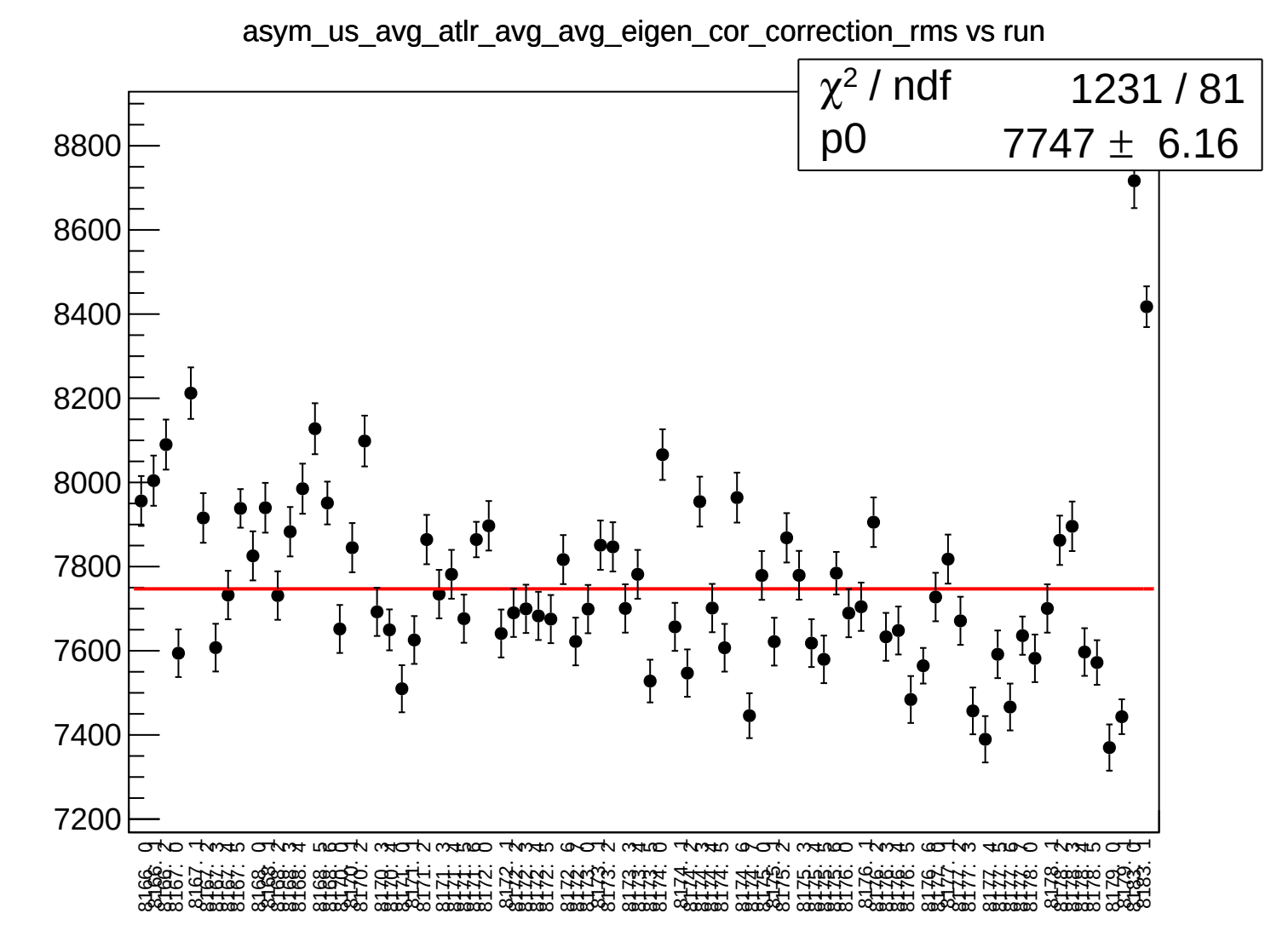

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1231 / 81
p0 7747 ± 6.16
8800
8600
8400
8200
8000
7800
7600
7400
7200

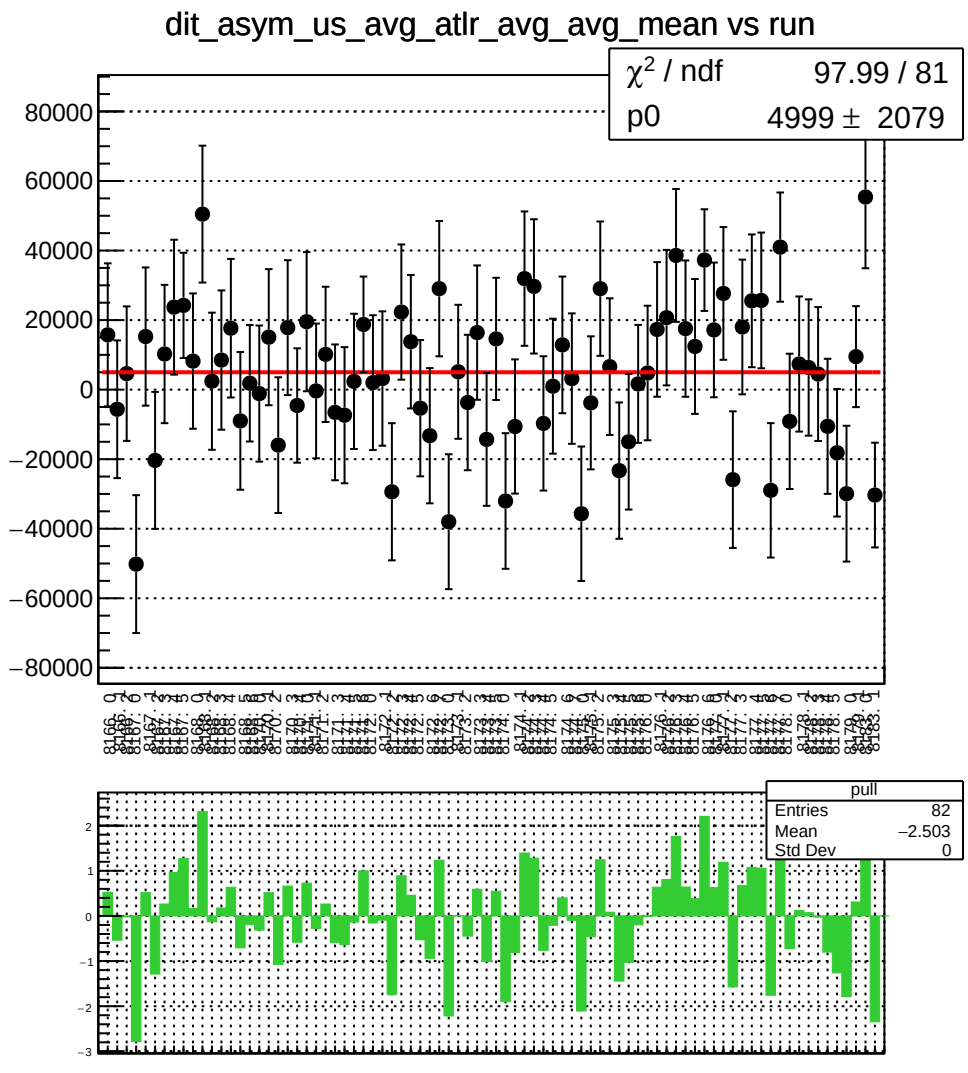

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 100.5 / 81
p0 5064 ± 2058
pull
Entries 82
Mean 4.251
Std Dev 0

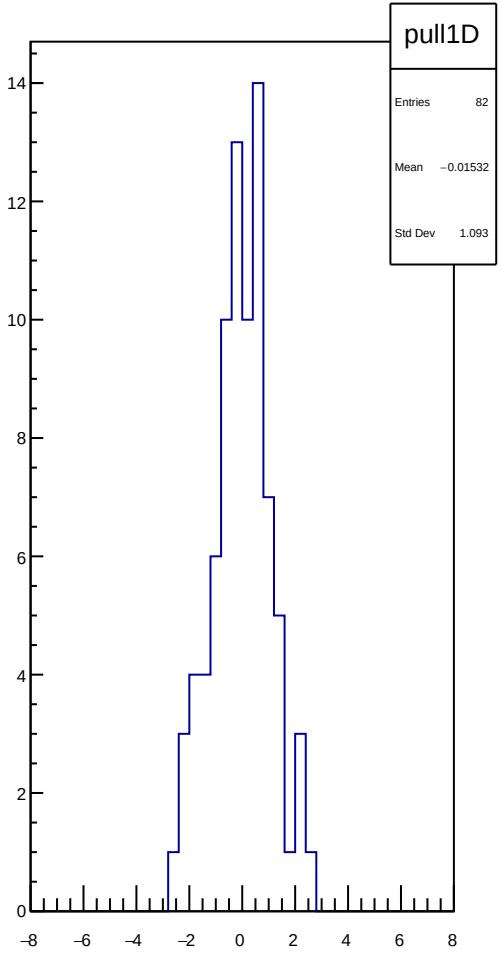

pull1D
Entries 82
Mean −0.01501
Std Dev 1.107

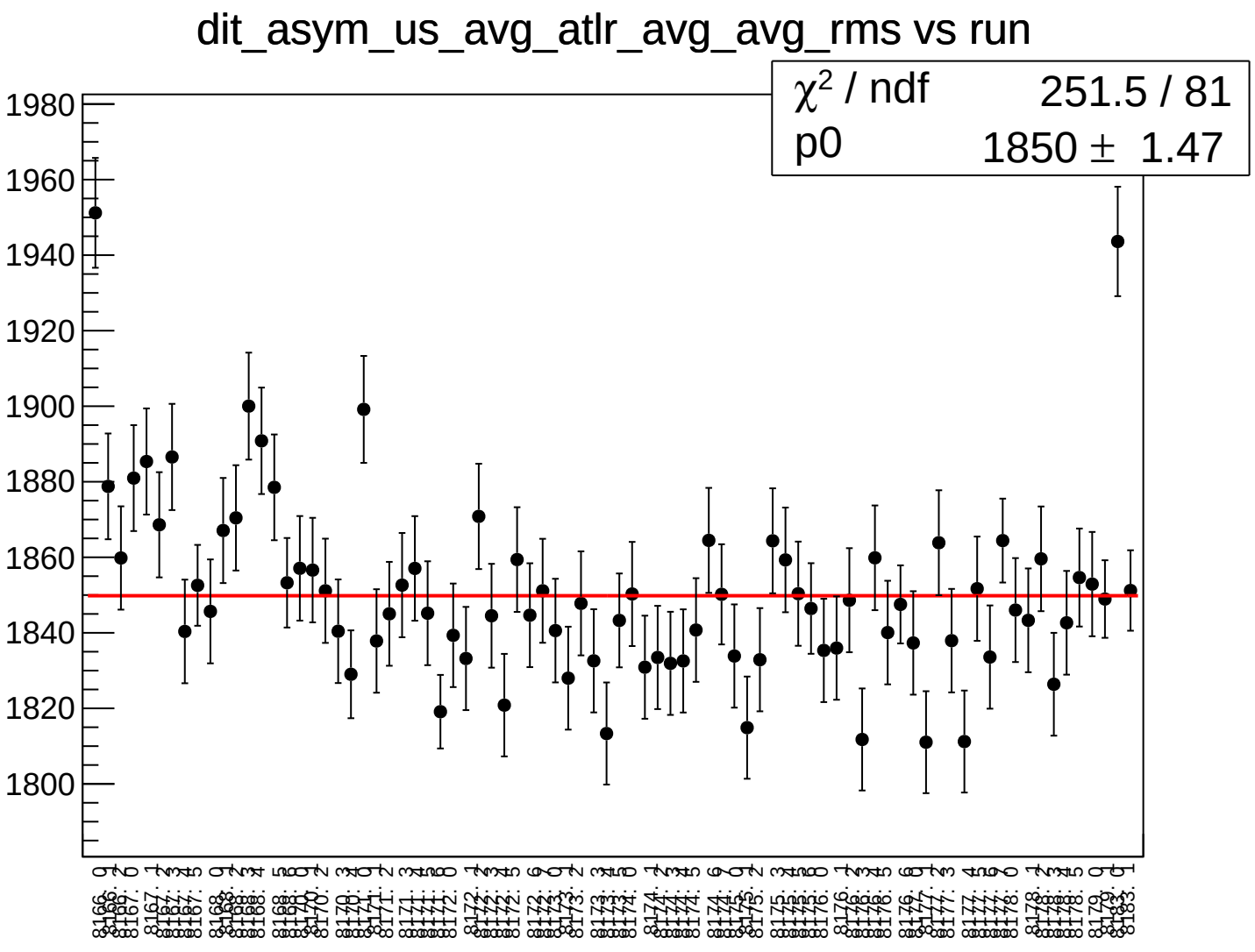

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 206.4 / 81
p0 1831 ± 1.455
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

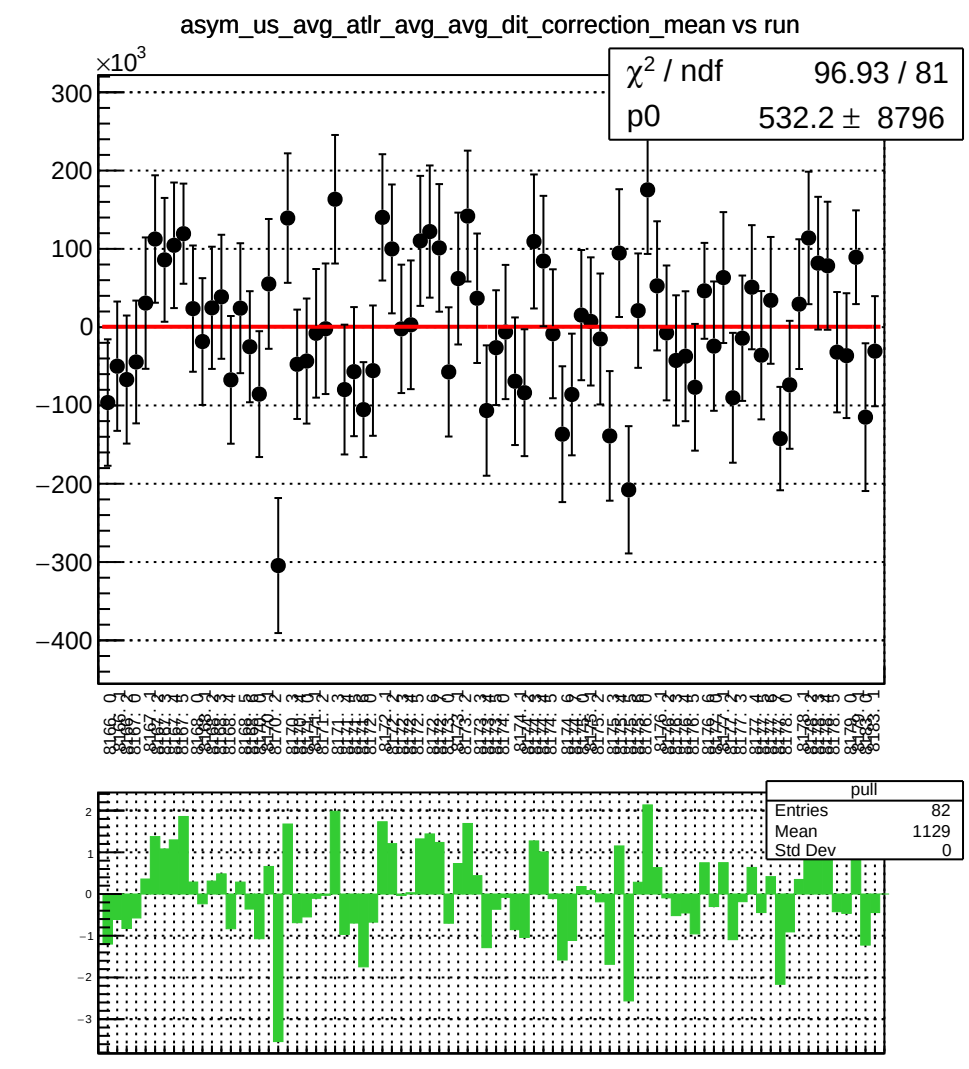

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
χ² / ndf 97.41 / 81
p0 298.2 ± 8711
pull
Entries 82
Mean −882.3
Std Dev 0
pull1D
Entries 82
Mean 0.001175
Std Dev 1.09

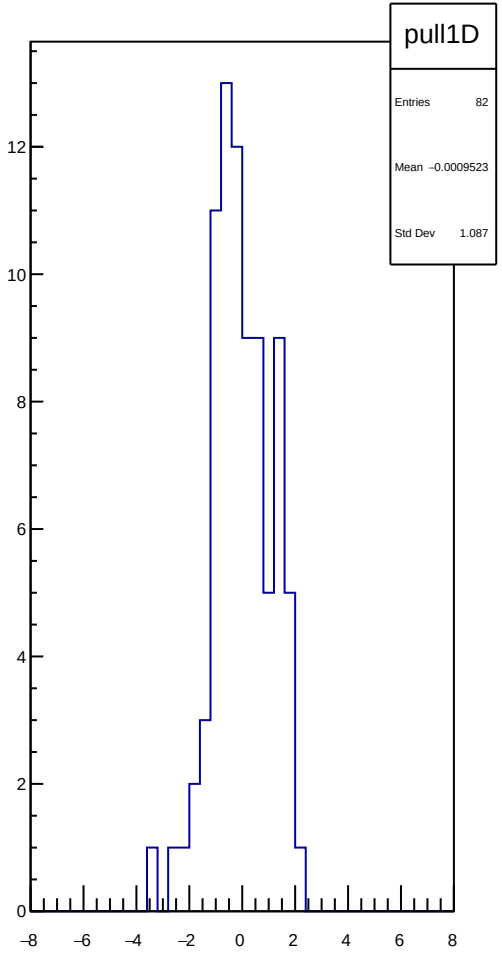

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1231 / 81
p0 7747 ± 6.16
8800
8600
8400
8200
8000
7800
7600
7400
7200

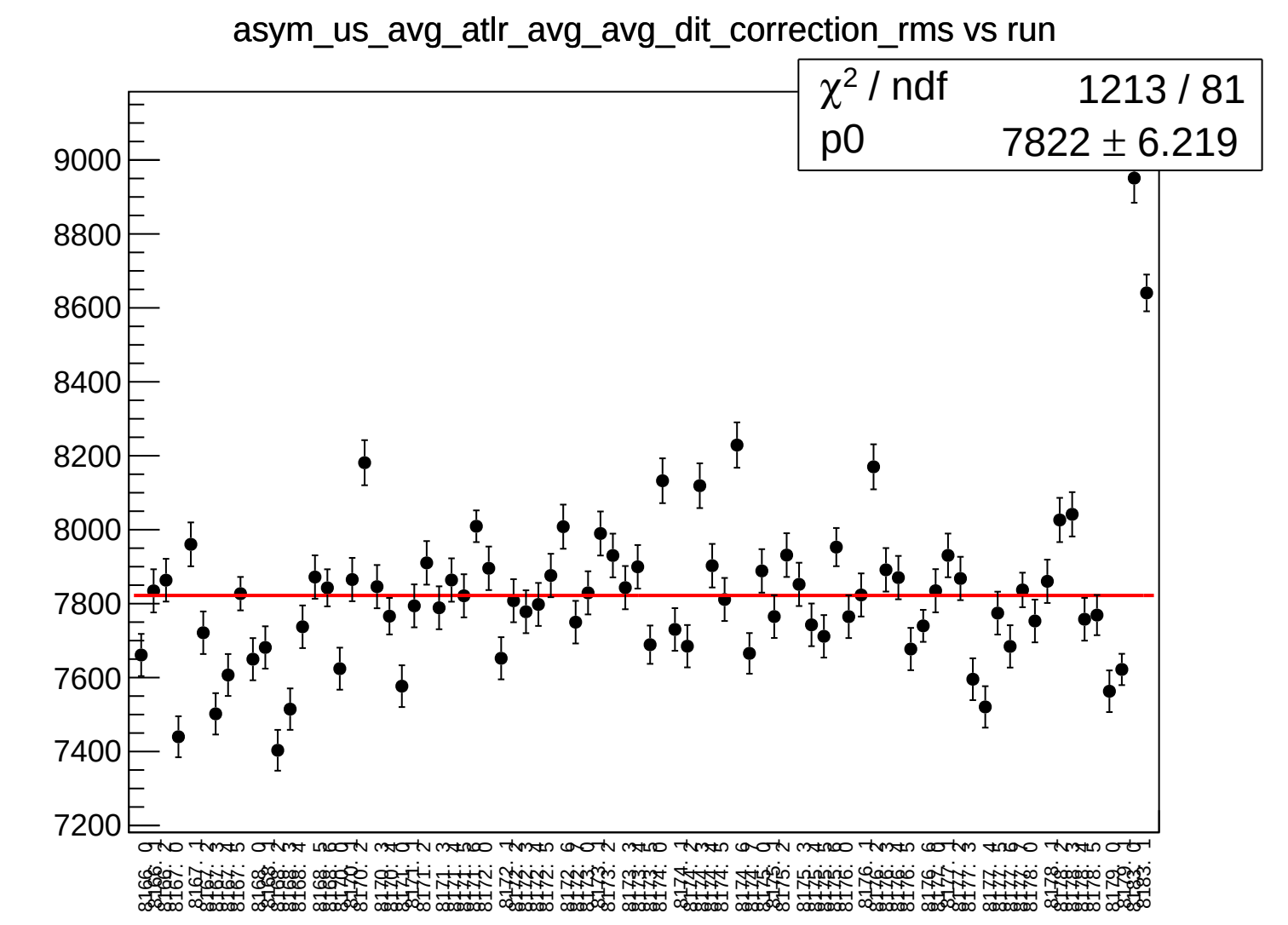

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 97.99 / 81
p0 4999 ± 2079
pull
Entries 82
Mean −2.503
Std Dev 0

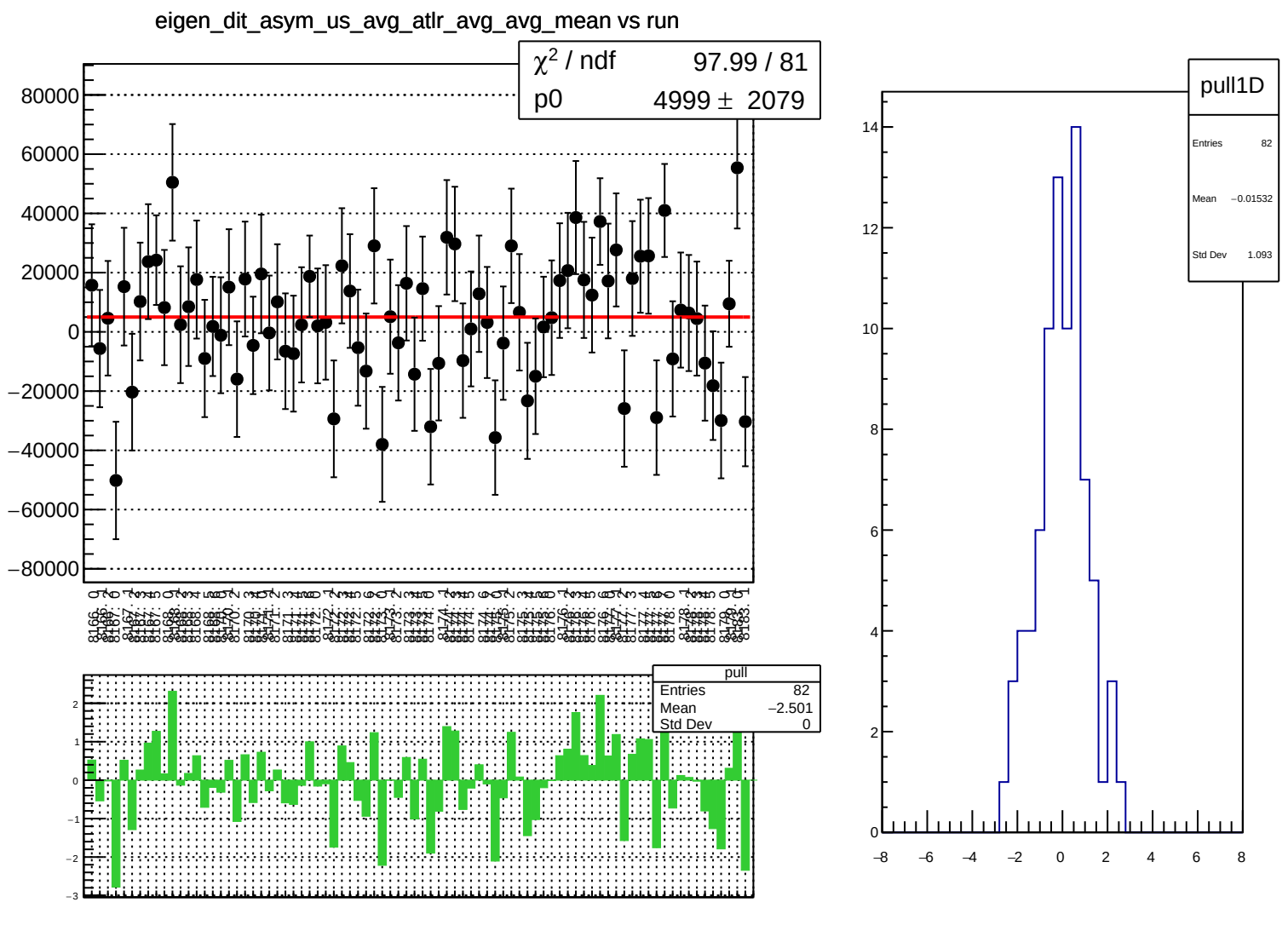

pull1D
Entries 82
Mean −0.01532
Std Dev 1.093

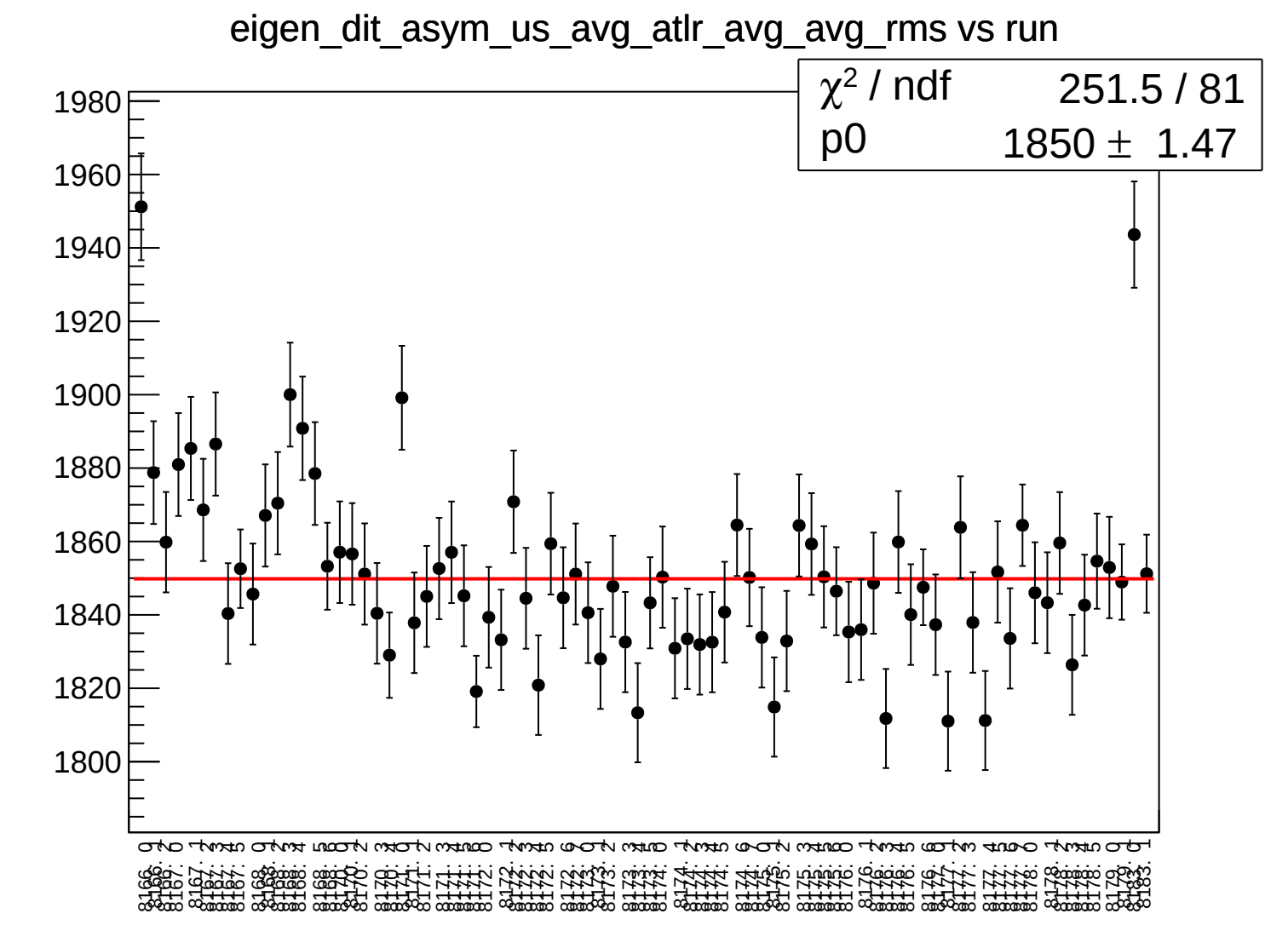

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 251.5 / 81
p0 1850 ± 1.47
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800

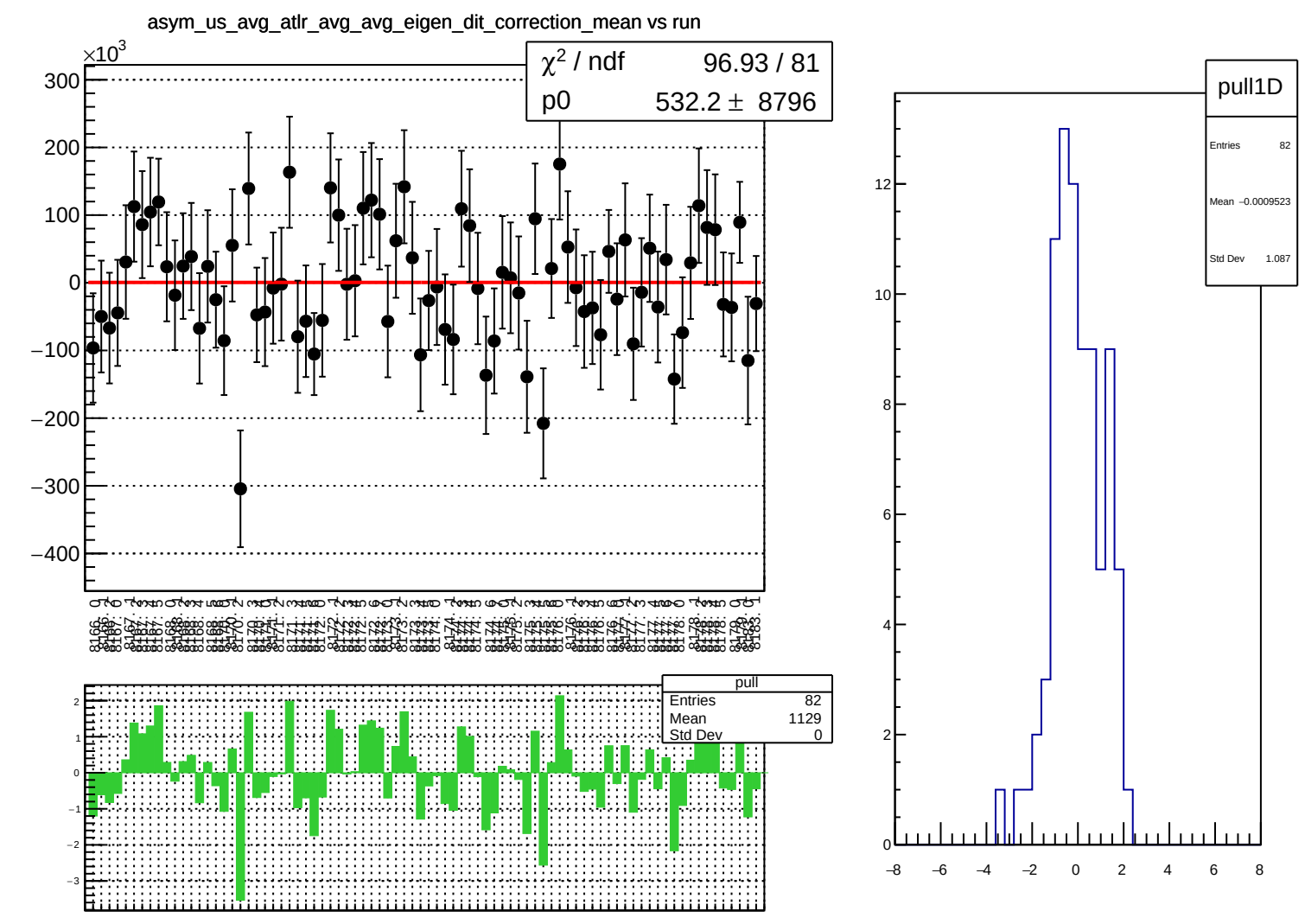

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 96.93 / 81
p0 532.2 ± 8796
pull
Entries 82
Mean 1129
Std Dev 0

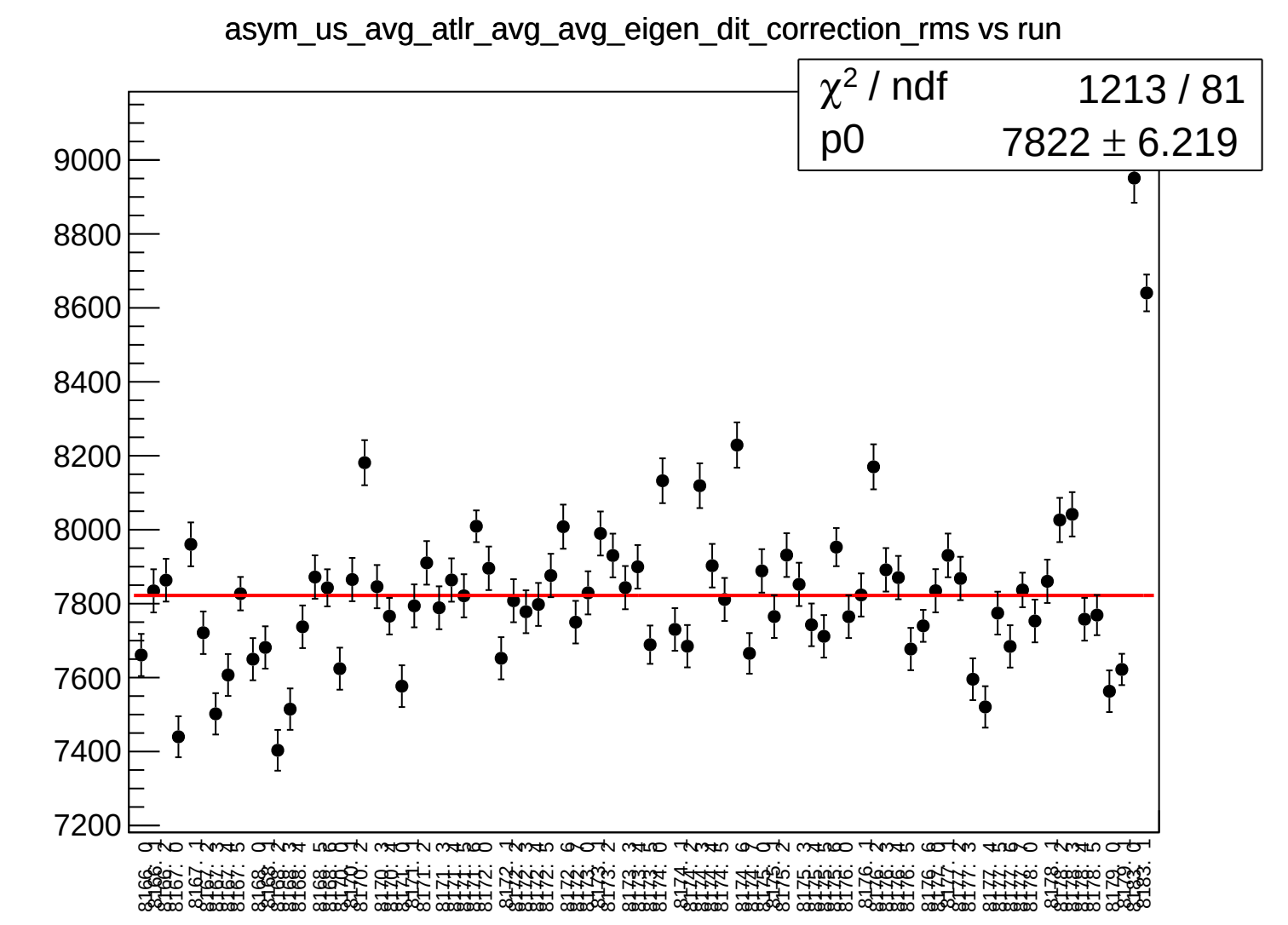

pull1D
Entries 82
Mean −0.0009523
Std Dev 1.087

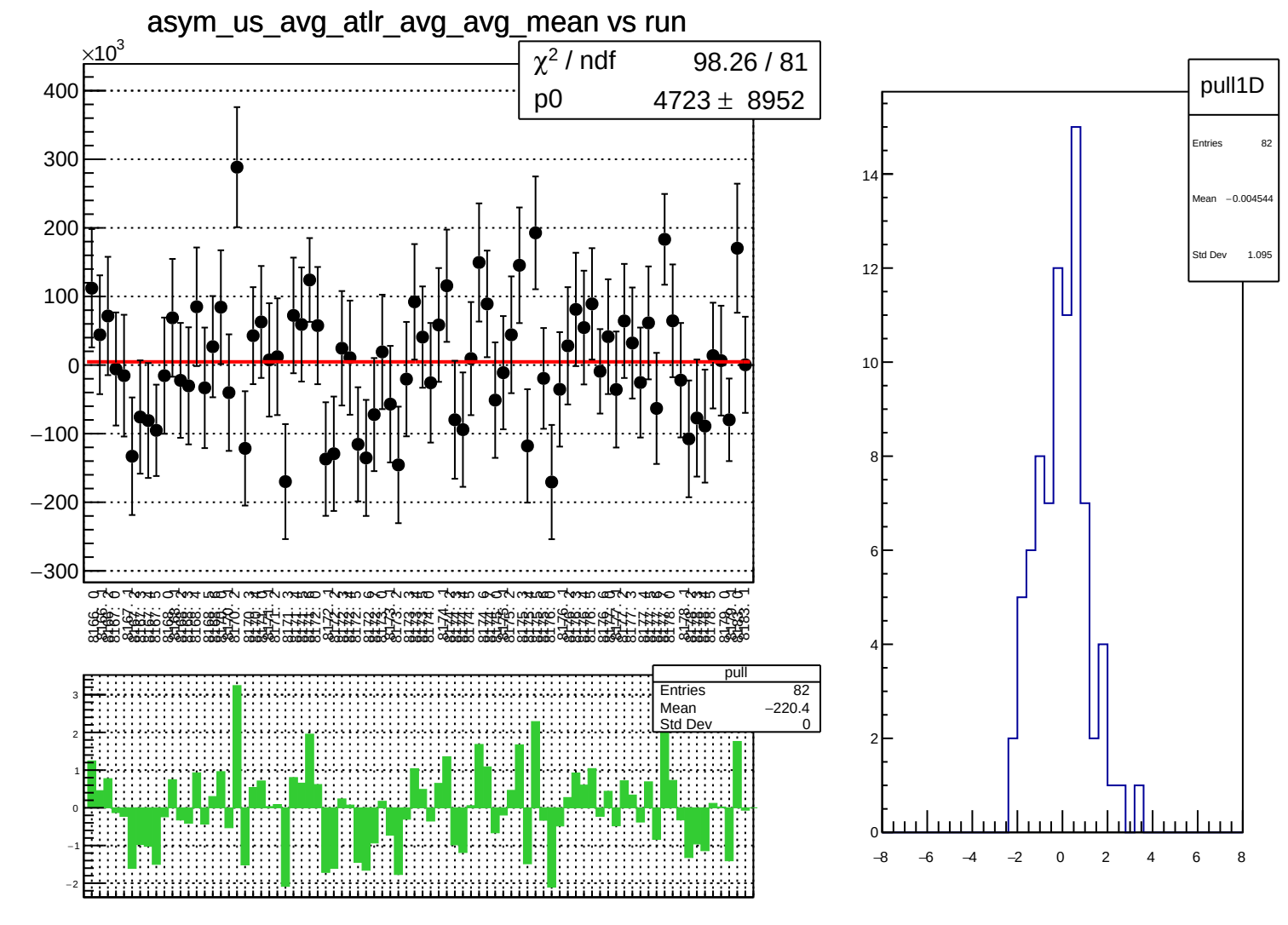

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ^2 / ndf 1213 / 81
p0 7822 ± 6.219
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

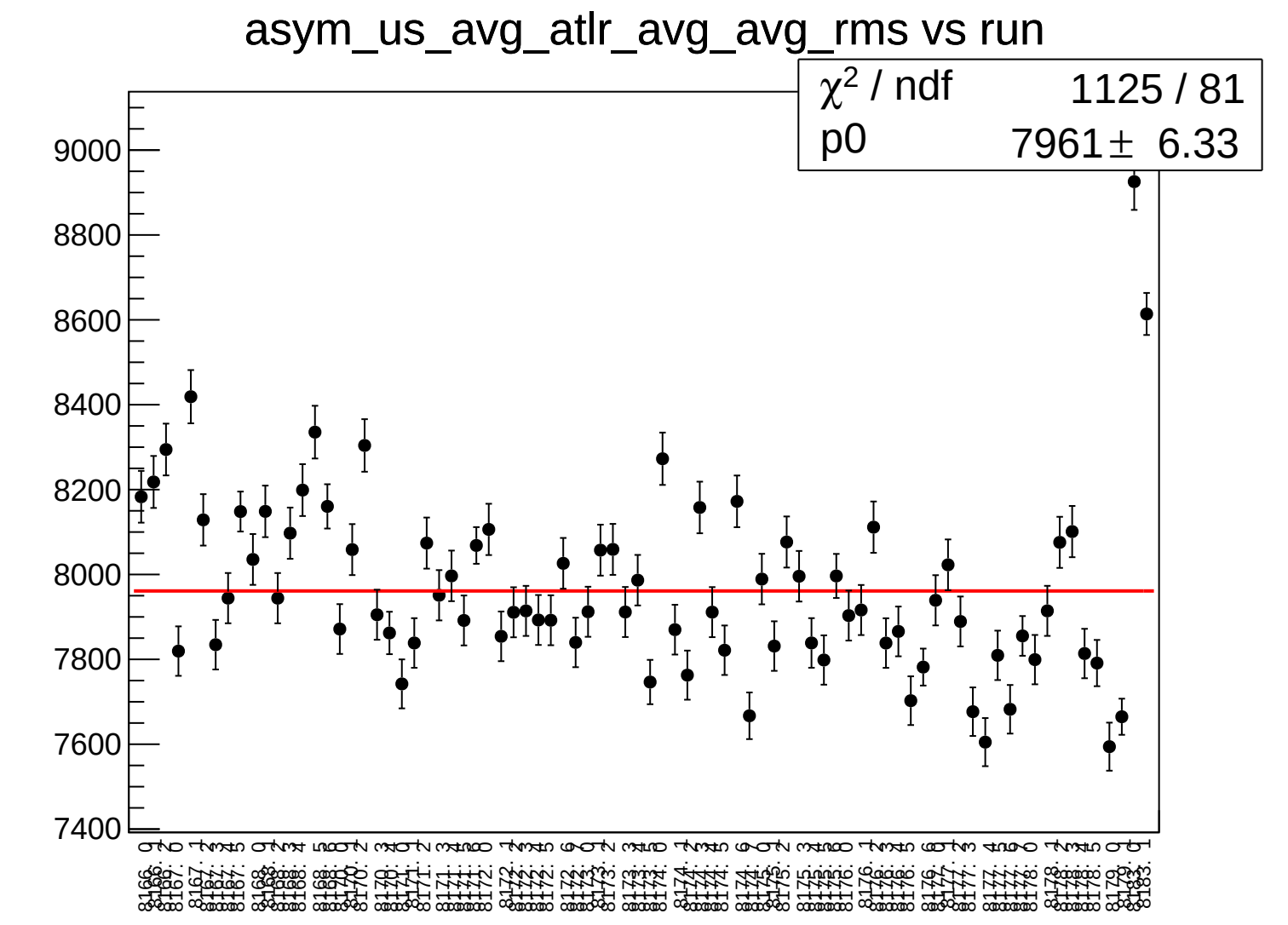

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 97.99 / 81
p0 4999 ± 2079
pull
Entries 82
Mean −2.501
Std Dev 0
pull1D
Entries 82
Mean −0.01532
Std Dev 1.093

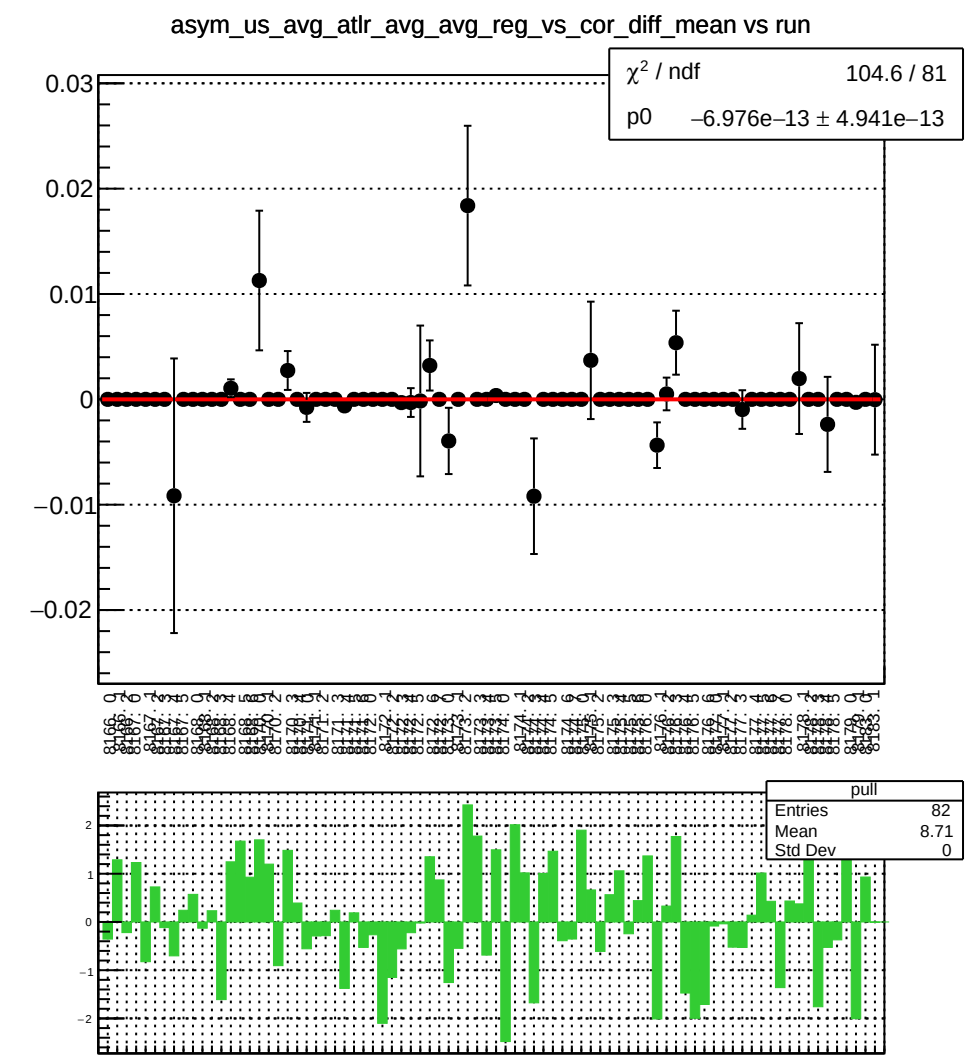

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 251.5 / 81
p0 1850 ± 1.47
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800

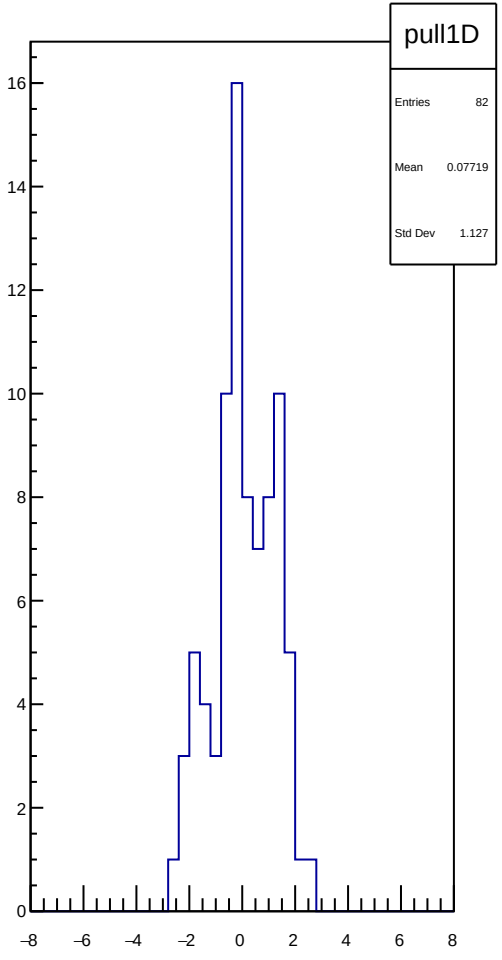

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 96.93 / 81
p0 532.2 ± 8796
pull
Entries 82
Mean 1129
Std Dev 0
pull1D
Entries 82
Mean −0.0009523
Std Dev 1.087

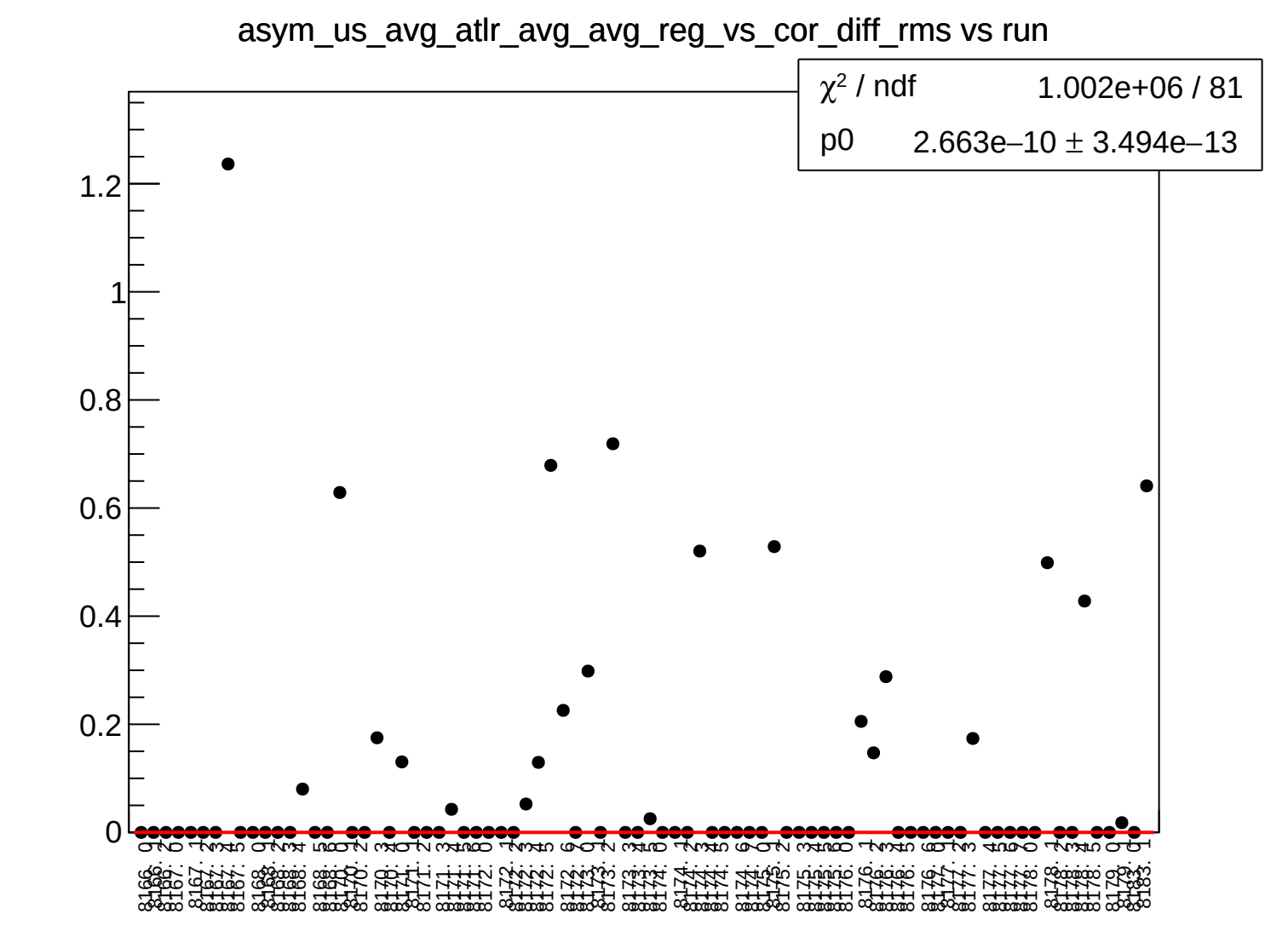

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1213 / 81
p0 7822 ± 6.219
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

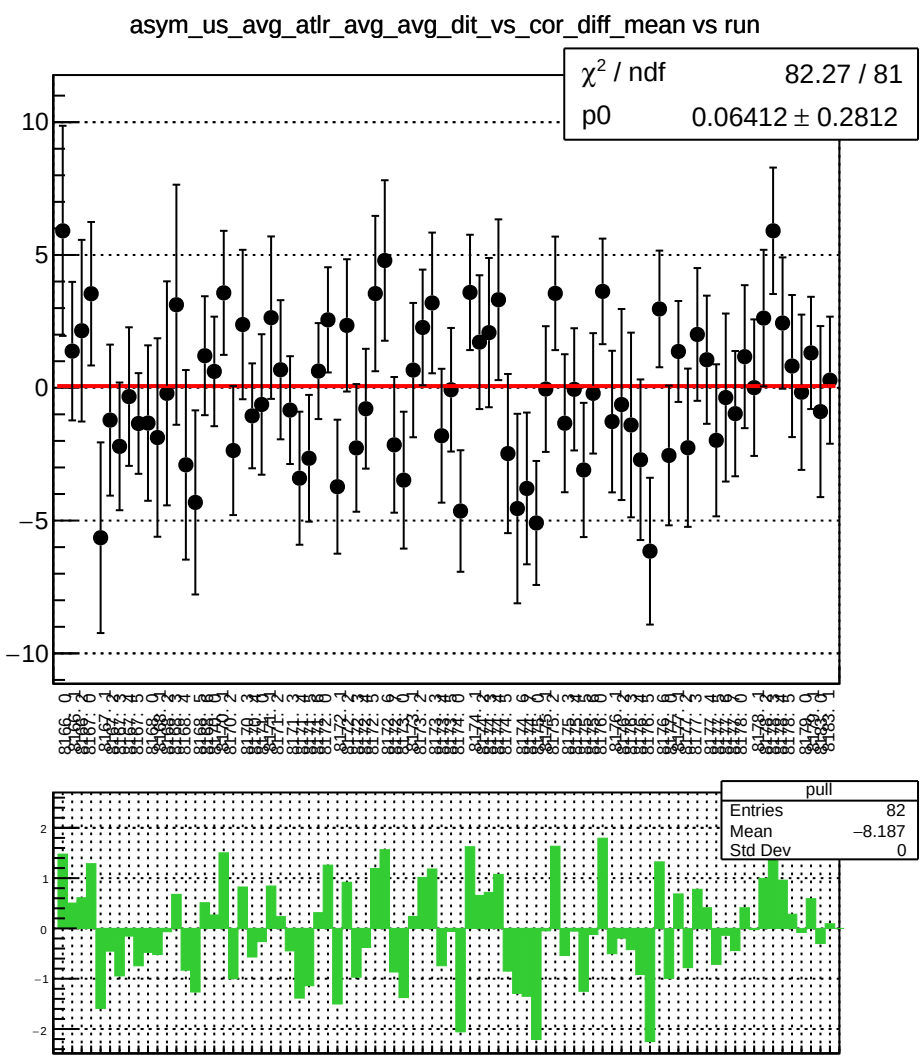

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ^2 / ndf 98.26 / 81
p0 4723 ± 8952
pull
Entries 82
Mean −220.4
Std Dev 0
pull1D
Entries 82
Mean −0.004544
Std Dev 1.095

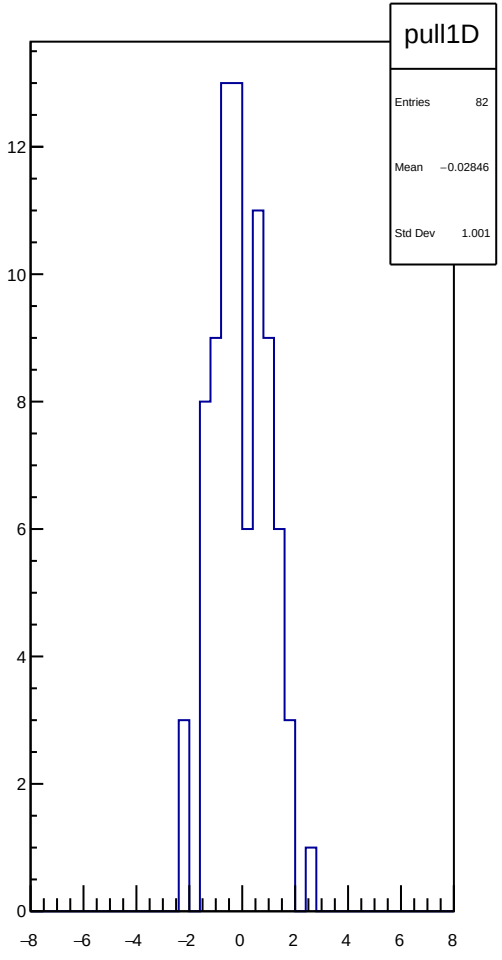

asym_us_avg_atlr_avg_avg_rms vs run
χ^2 / ndf 1125 / 81
p0 7961 ± 6.33
9000
8800
8600
8400
8200
8000
7800
7600
7400

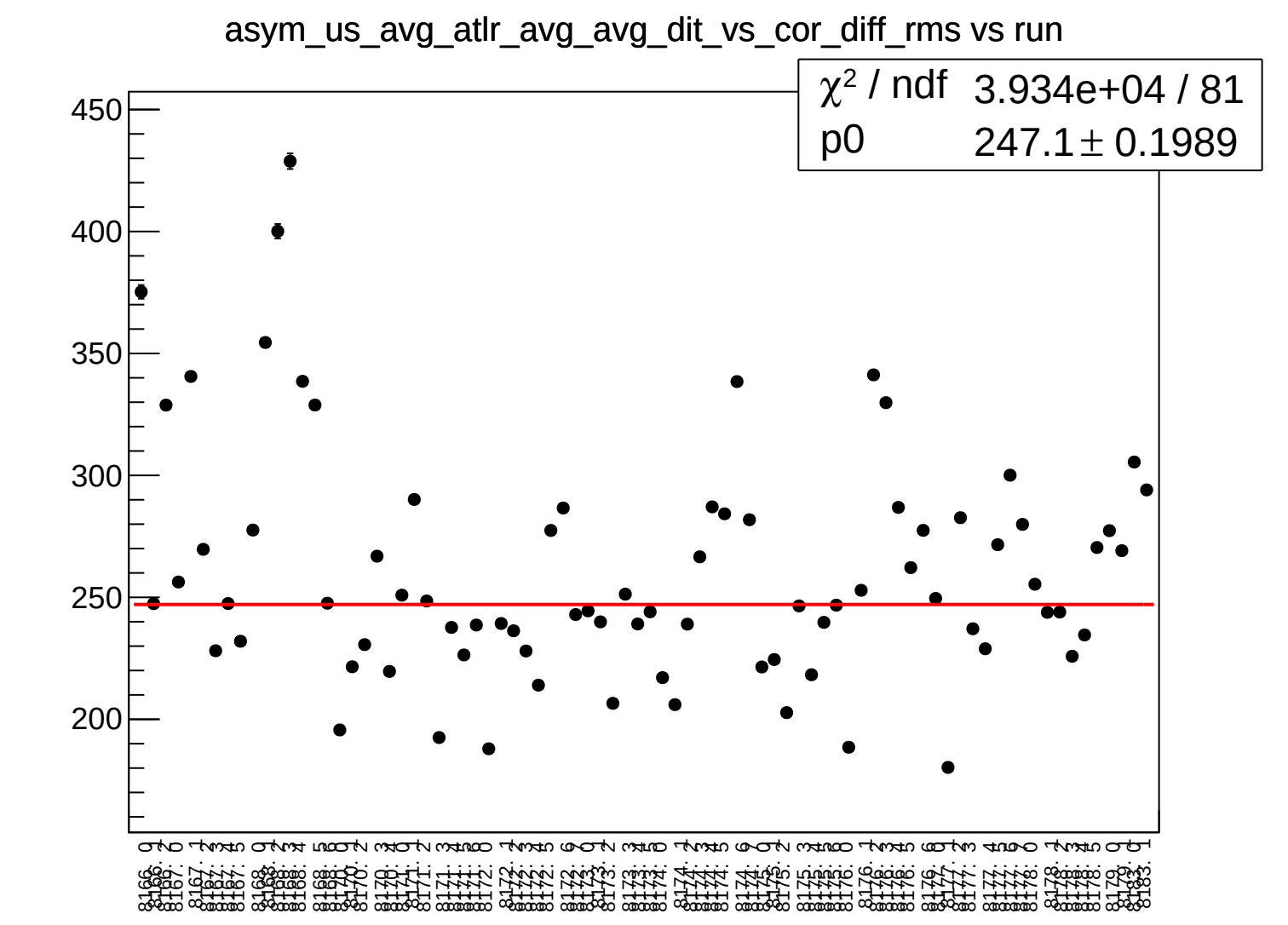

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 104.6 / 81
p0 −6.976e−13 ± 4.941e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 82
Mean 8.71
Std Dev 0
2
1
0
−1
−2

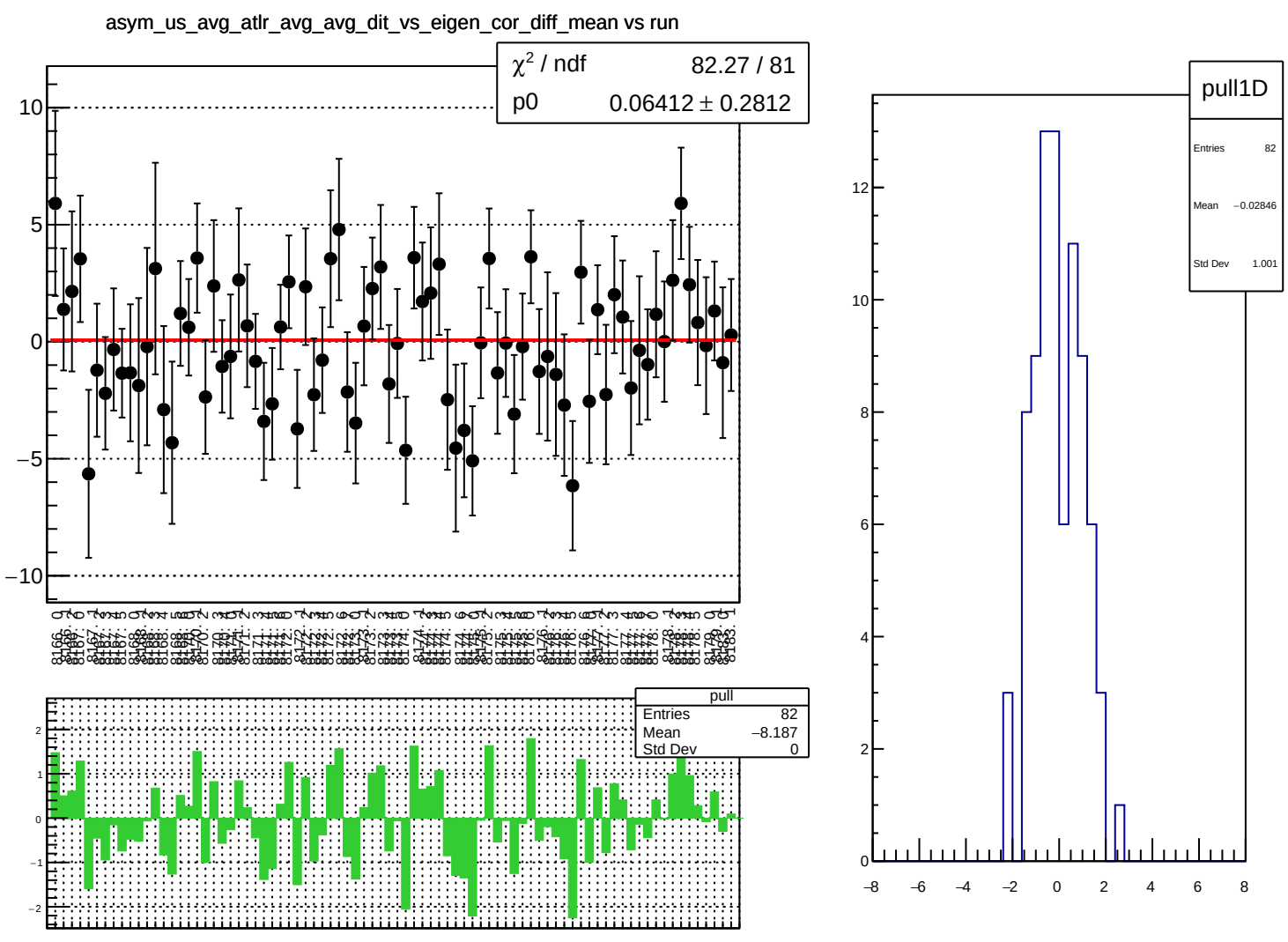

pull1D
Entries 82
Mean 0.07719
Std Dev 1.127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

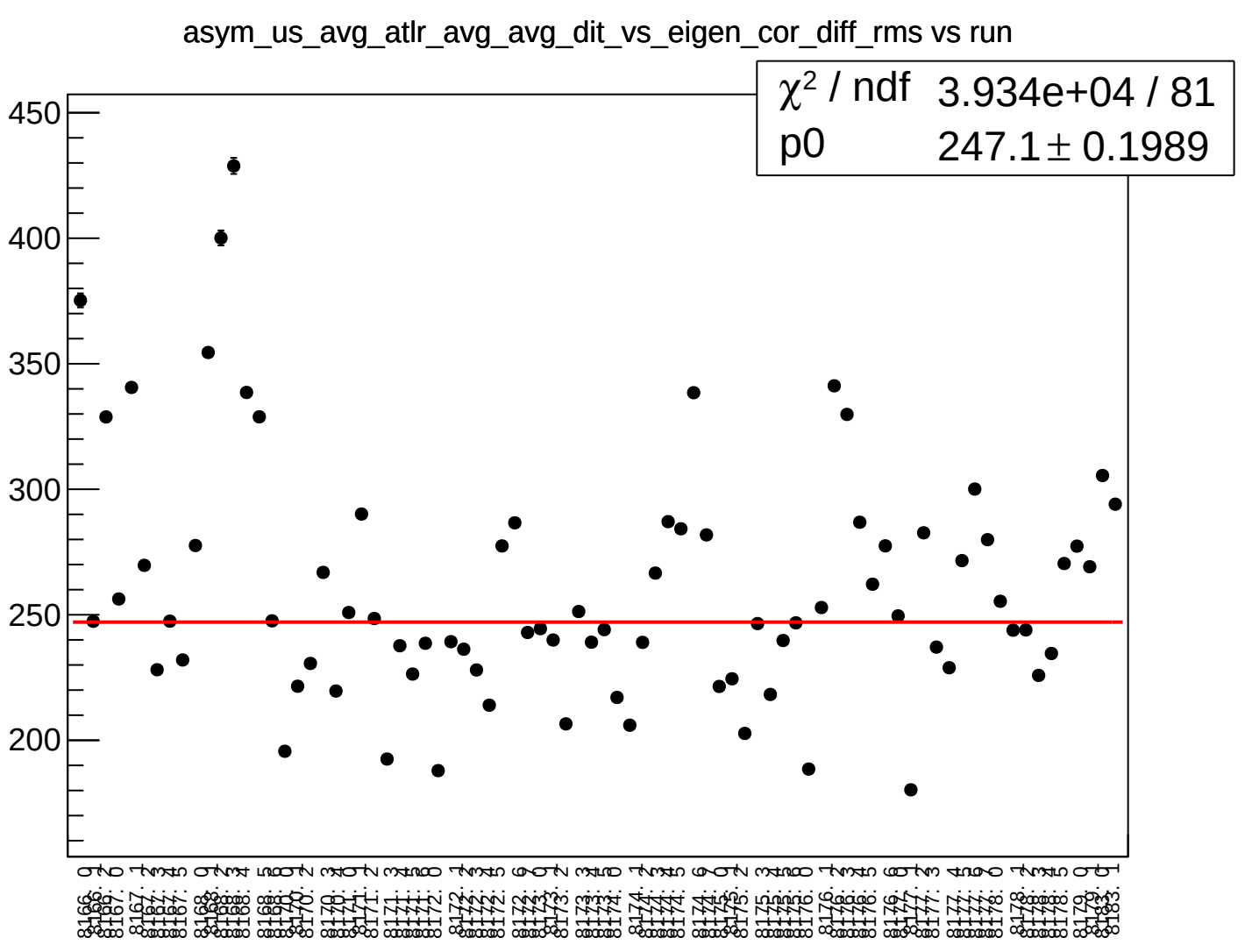

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.002e+06 / 81
p0 2.663e−10 ± 3.494e−13
1.2
1
0.8
0.6
0.4
0.2
0

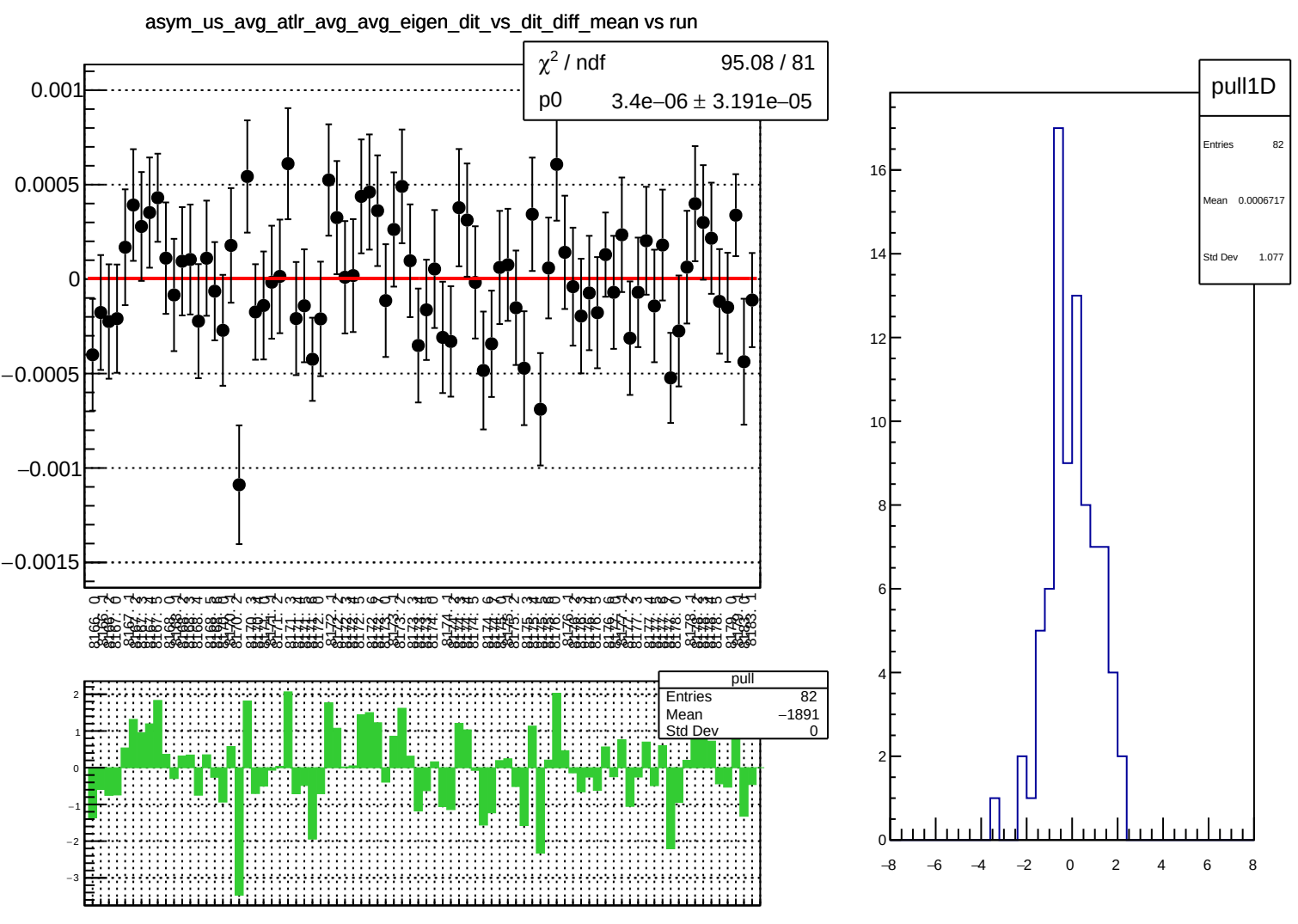

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.27 / 81
p0 0.06412 ± 0.2812
pull
Entries 82
Mean −8.187
Std Dev 0

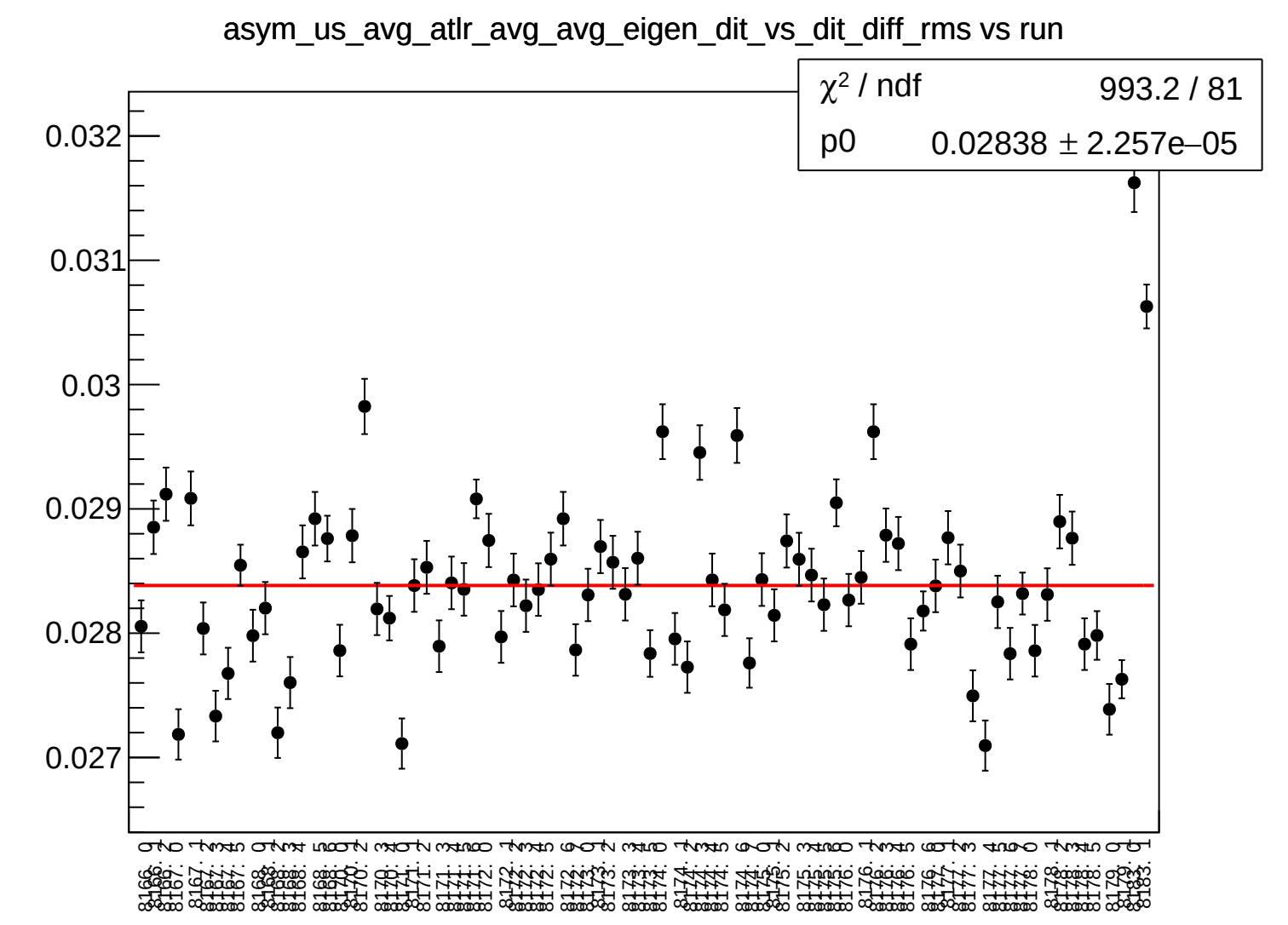

pull1D
Entries 82
Mean −0.02846
Std Dev 1.001

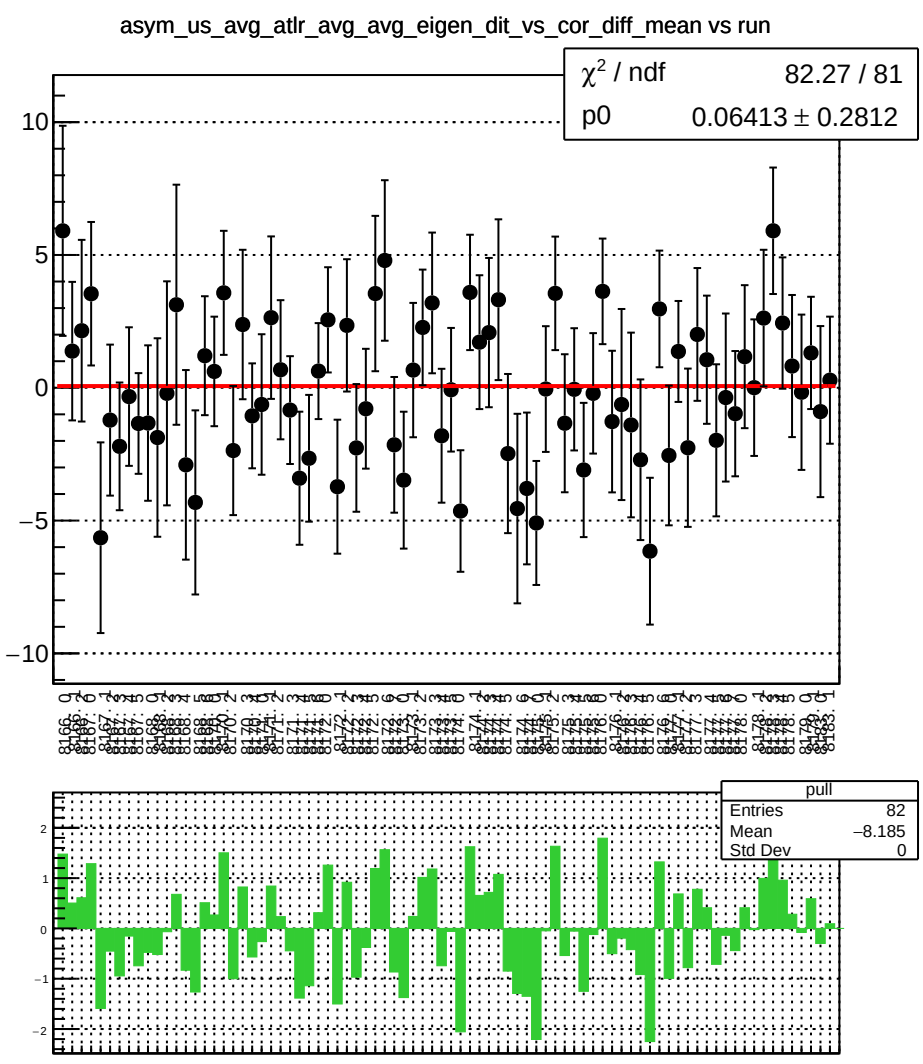

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.934e+04 / 81
p0 247.1 ± 0.1989
450
400
350
300
250
200

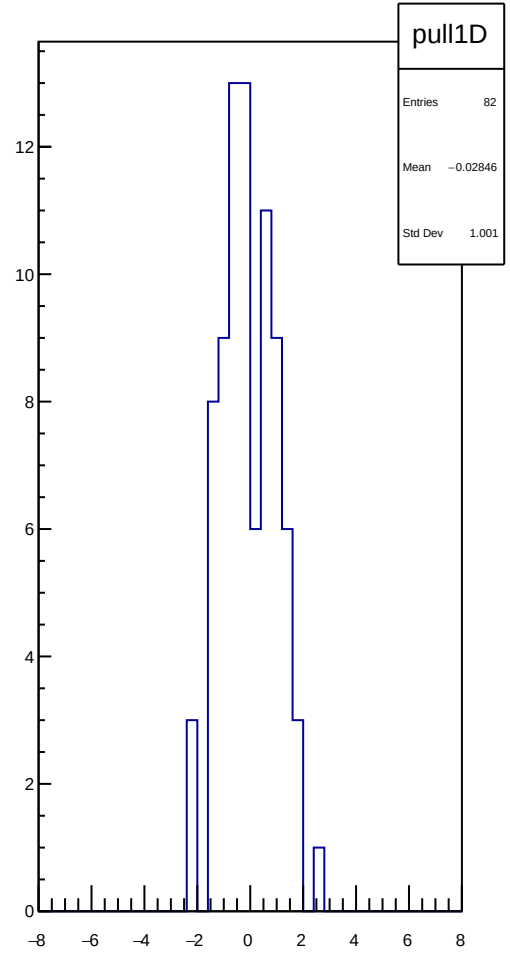

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.27 / 81
p0 0.06412 ± 0.2812
pull
Entries 82
Mean −8.187
Std Dev 0
pull1D
Entries 82
Mean −0.02846
Std Dev 1.001

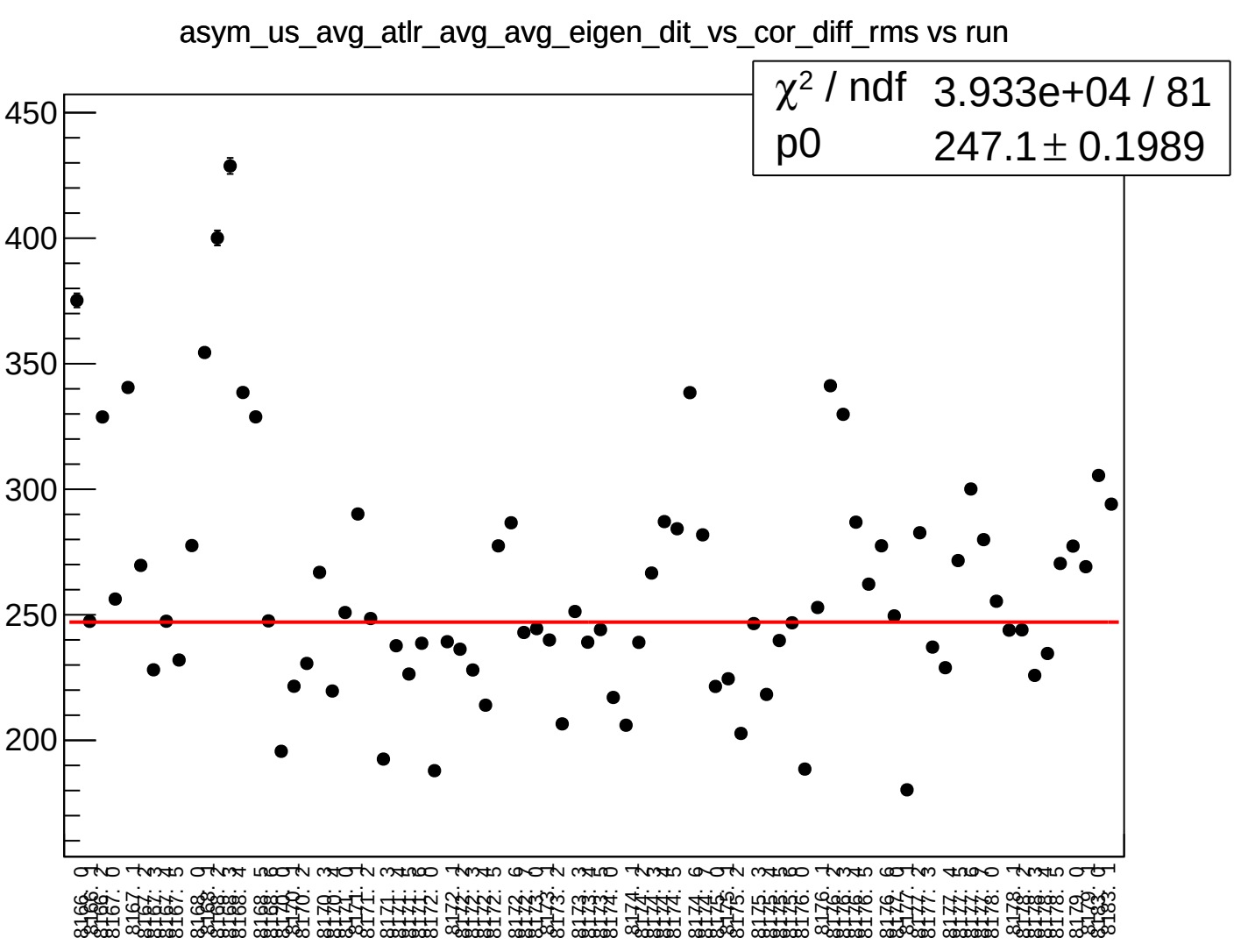

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.934e+04 / 81
p0 247.1 ± 0.1989
450
400
350
300
250
200

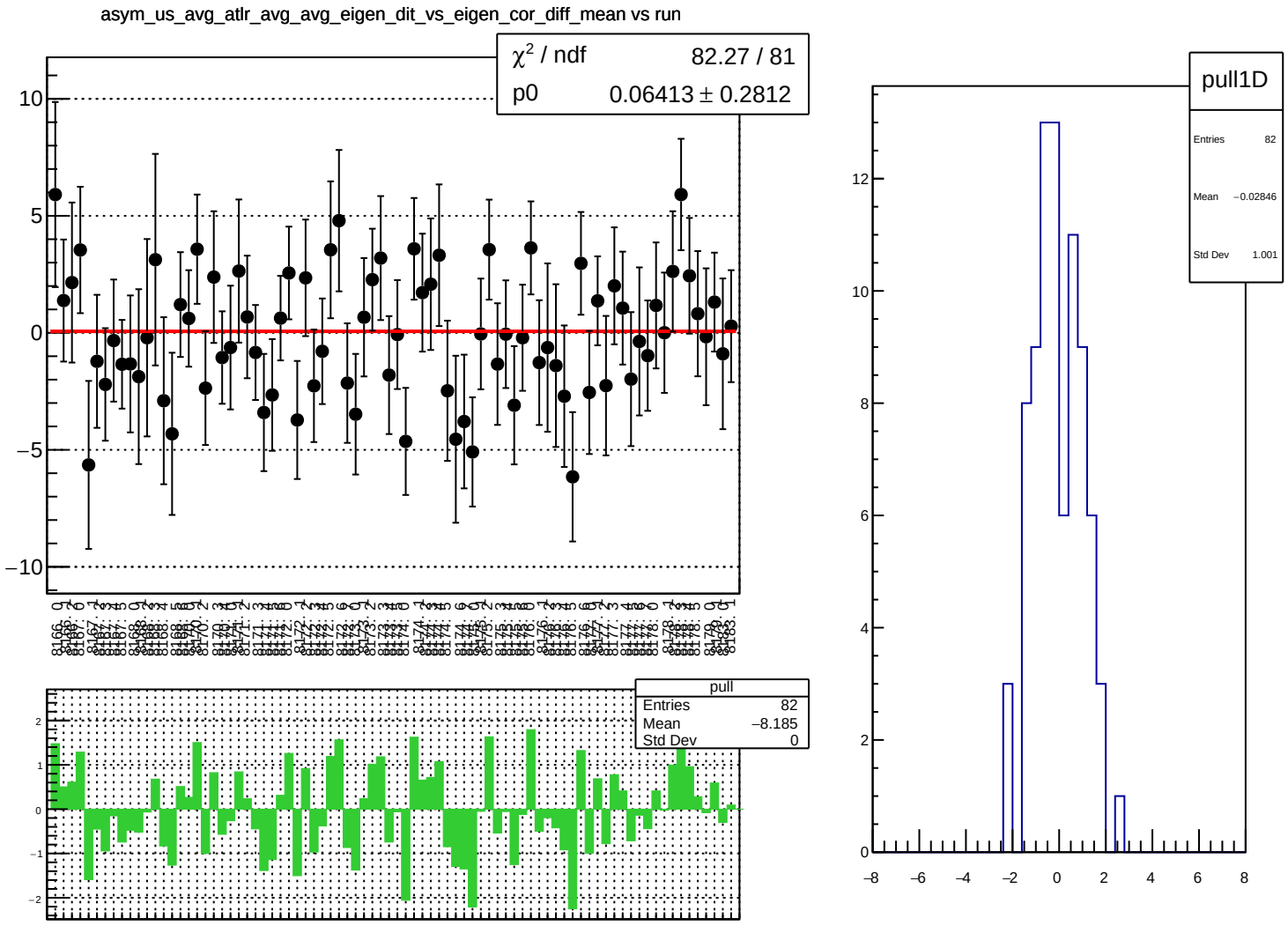

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.08 / 81
p0 3.4e−06 ± 3.191e−05
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean −1891
Std Dev 0
pull1D
Entries 82
Mean 0.0006717
Std Dev 1.077

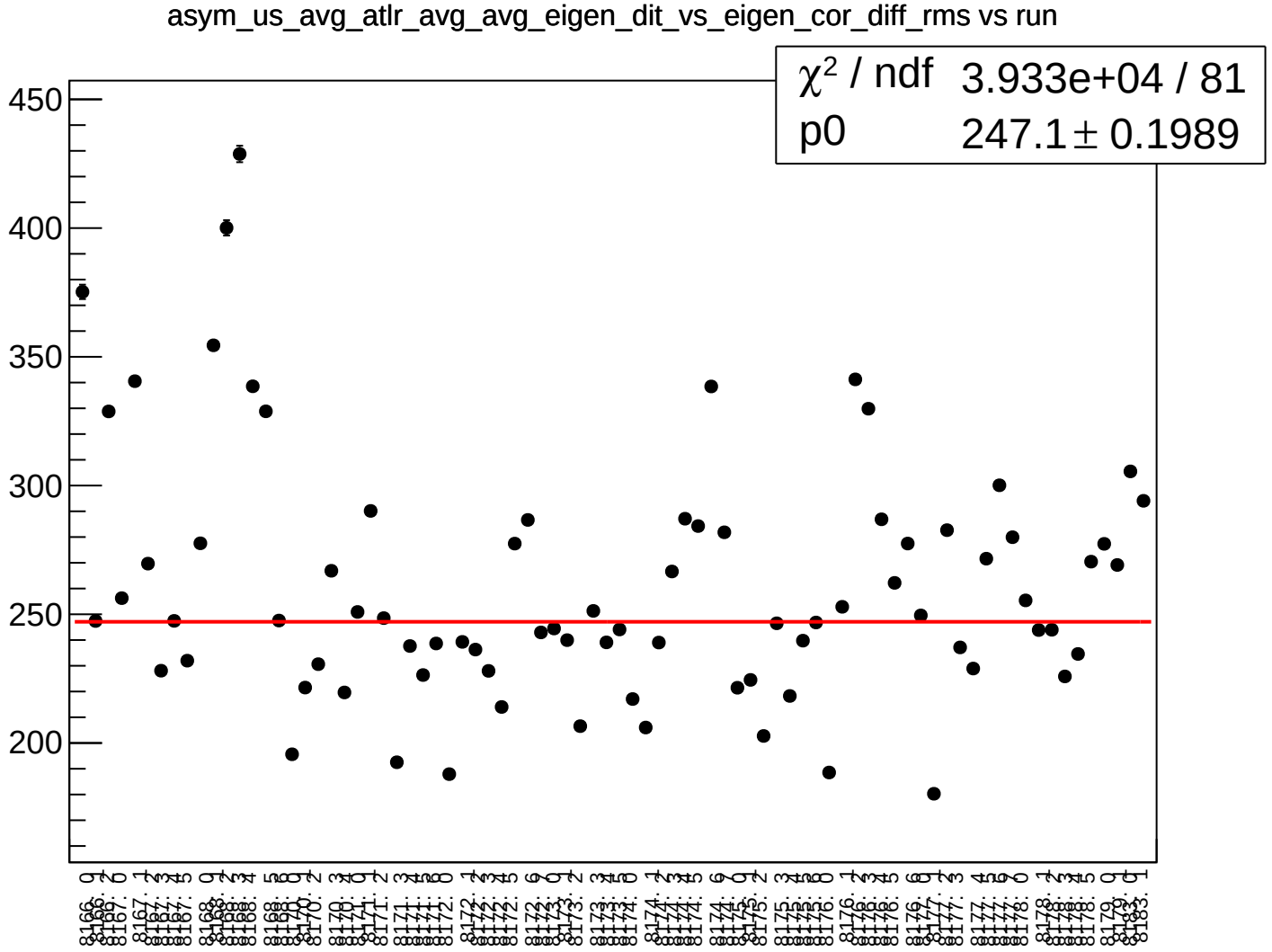

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 993.2 / 81
p0 0.02838 ± 2.257e−05
0.032
0.031
0.03
0.029
0.028
0.027

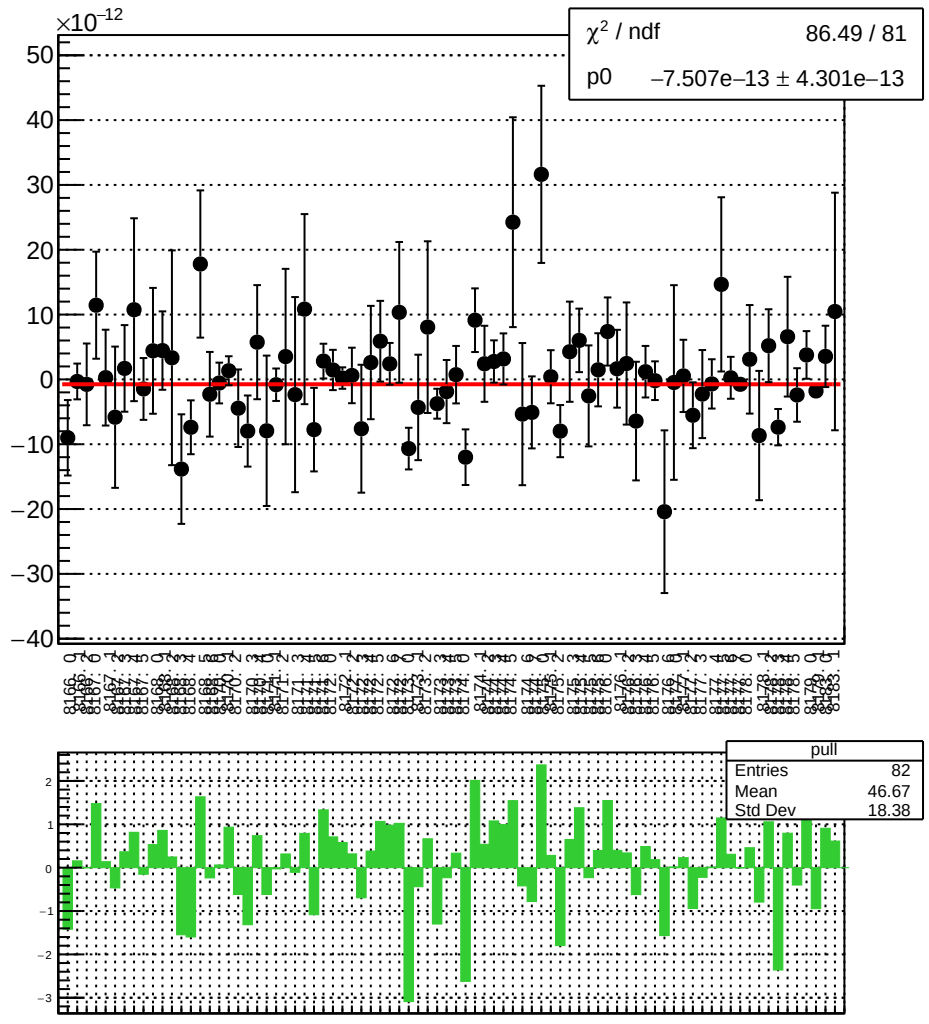

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.27 / 81
p0 0.06413 ± 0.2812
pull
Entries 82
Mean −8.185
Std Dev 0

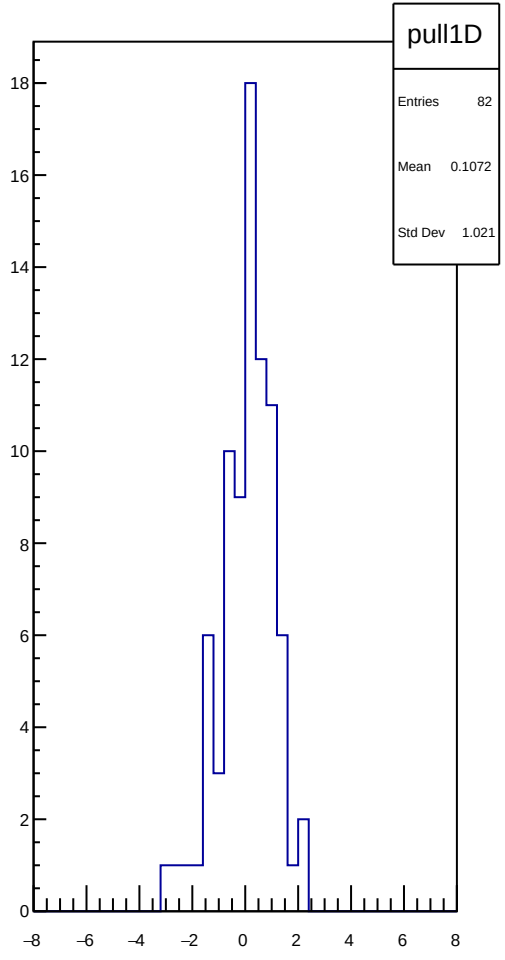

pull1D
Entries 82
Mean −0.02846
Std Dev 1.001

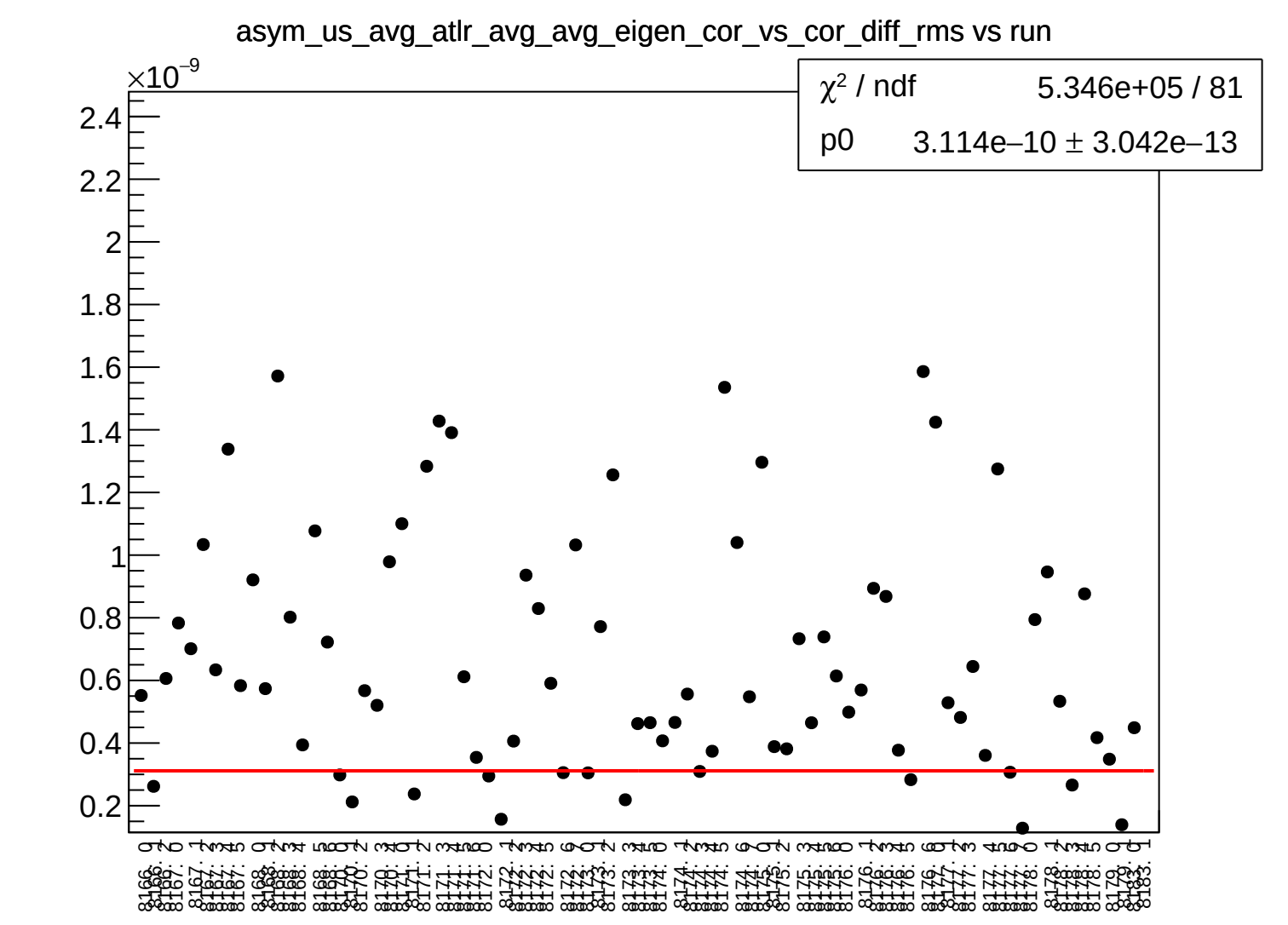

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.933e+04 / 81
p0 247.1 ± 0.1989
450
400
350
300
250
200

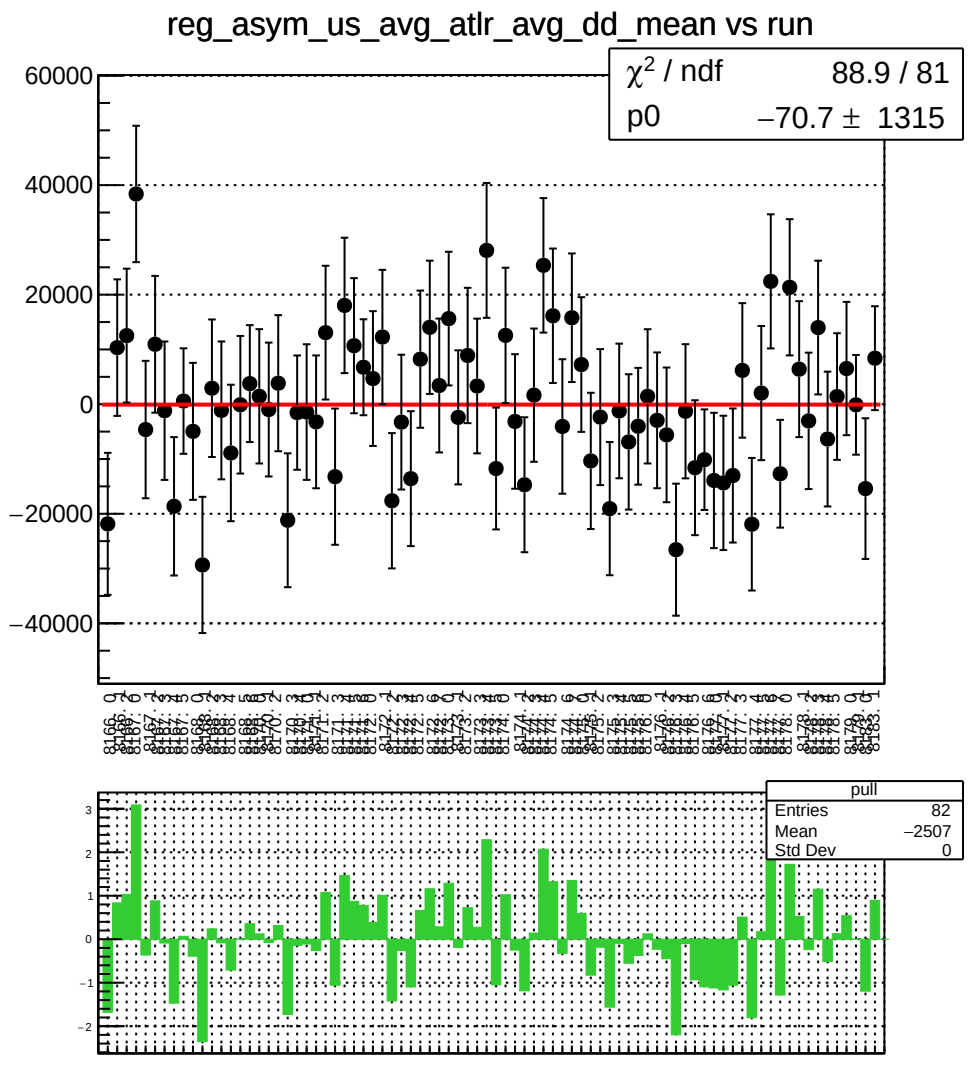

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.27 / 81
p0 0.06413 ± 0.2812
pull
Entries 82
Mean −8.185
Std Dev 0
pull1D
Entries 82
Mean −0.02846
Std Dev 1.001

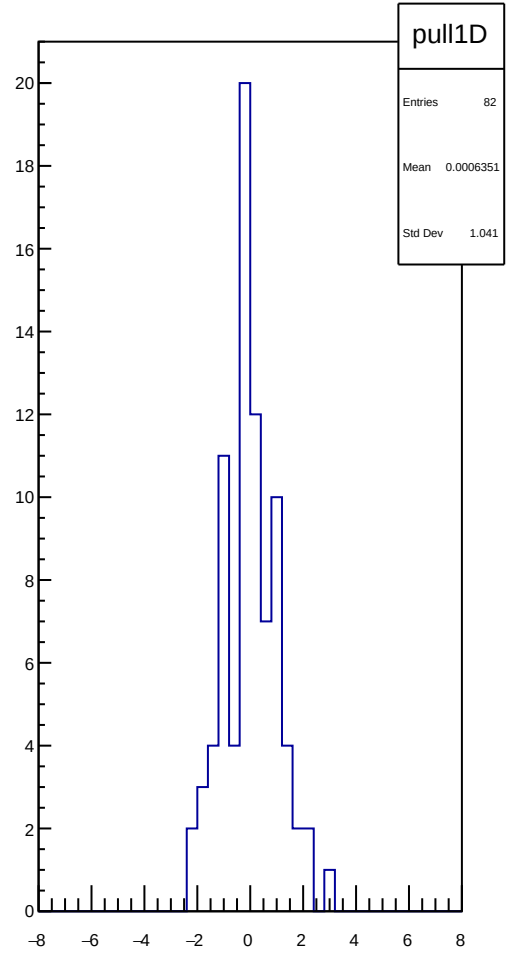

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.933e+04 / 81
p0 247.1 ± 0.1989
450
400
350
300
250
200

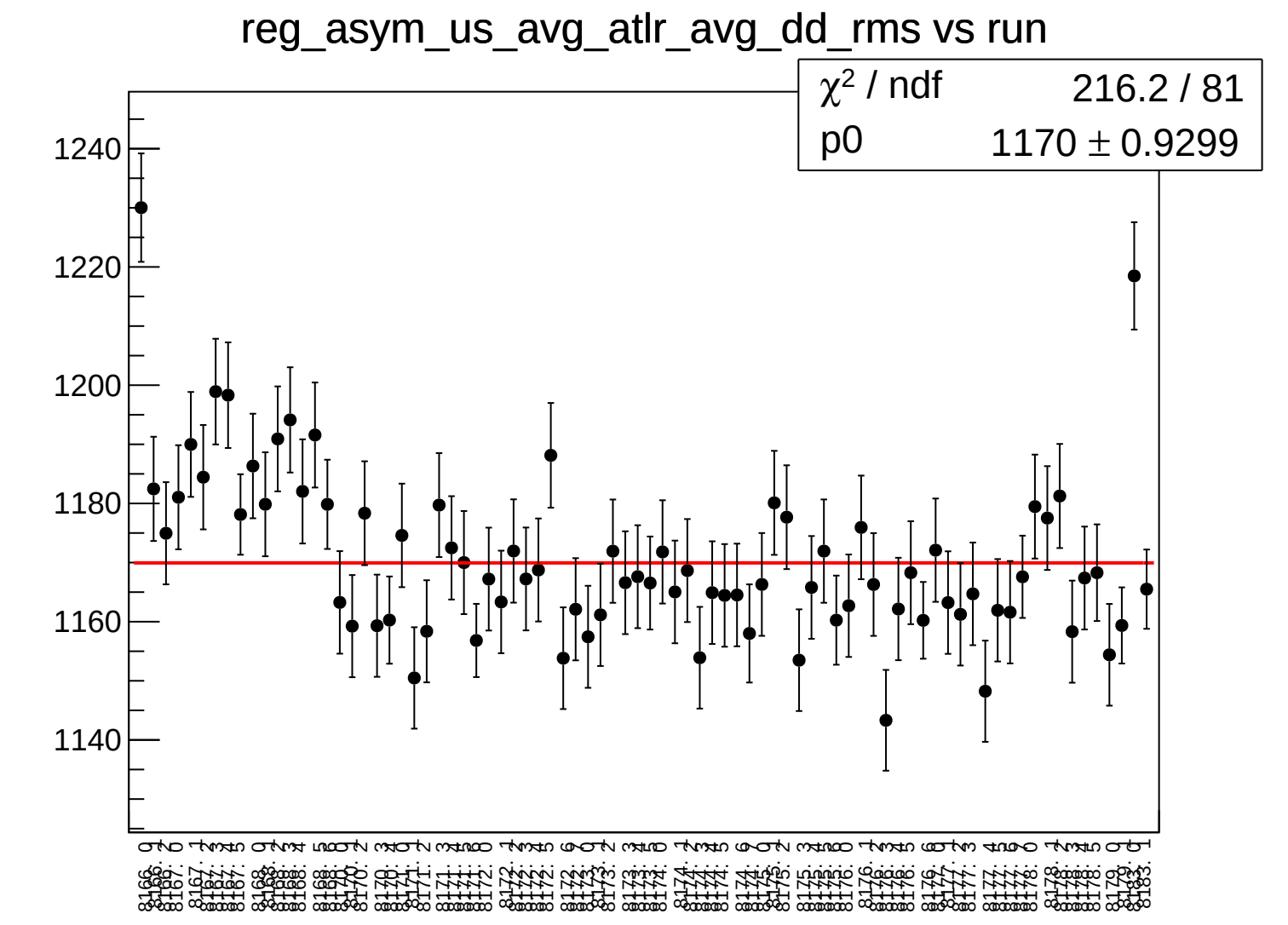

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.49 / 81
p0 −7.507e−13 ± 4.301e−13
pull
Entries 82
Mean 46.67
Std Dev 18.38

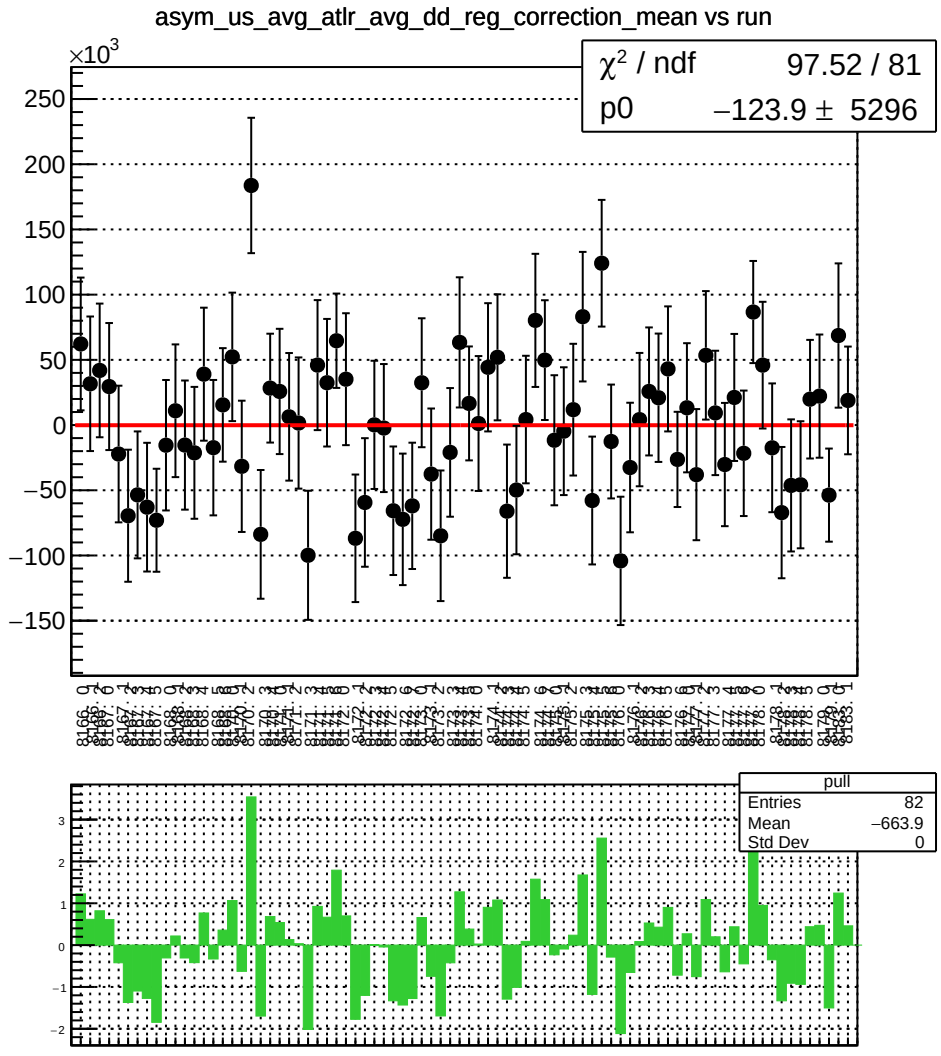

pull1D
Entries 82
Mean 0.1072
Std Dev 1.021

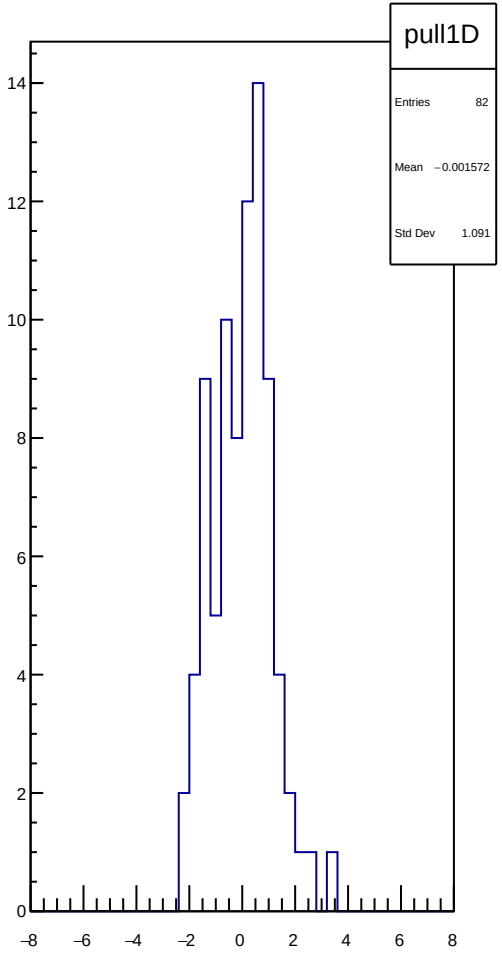

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.346e+05 / 81
p0 3.114e−10 ± 3.042e−13
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

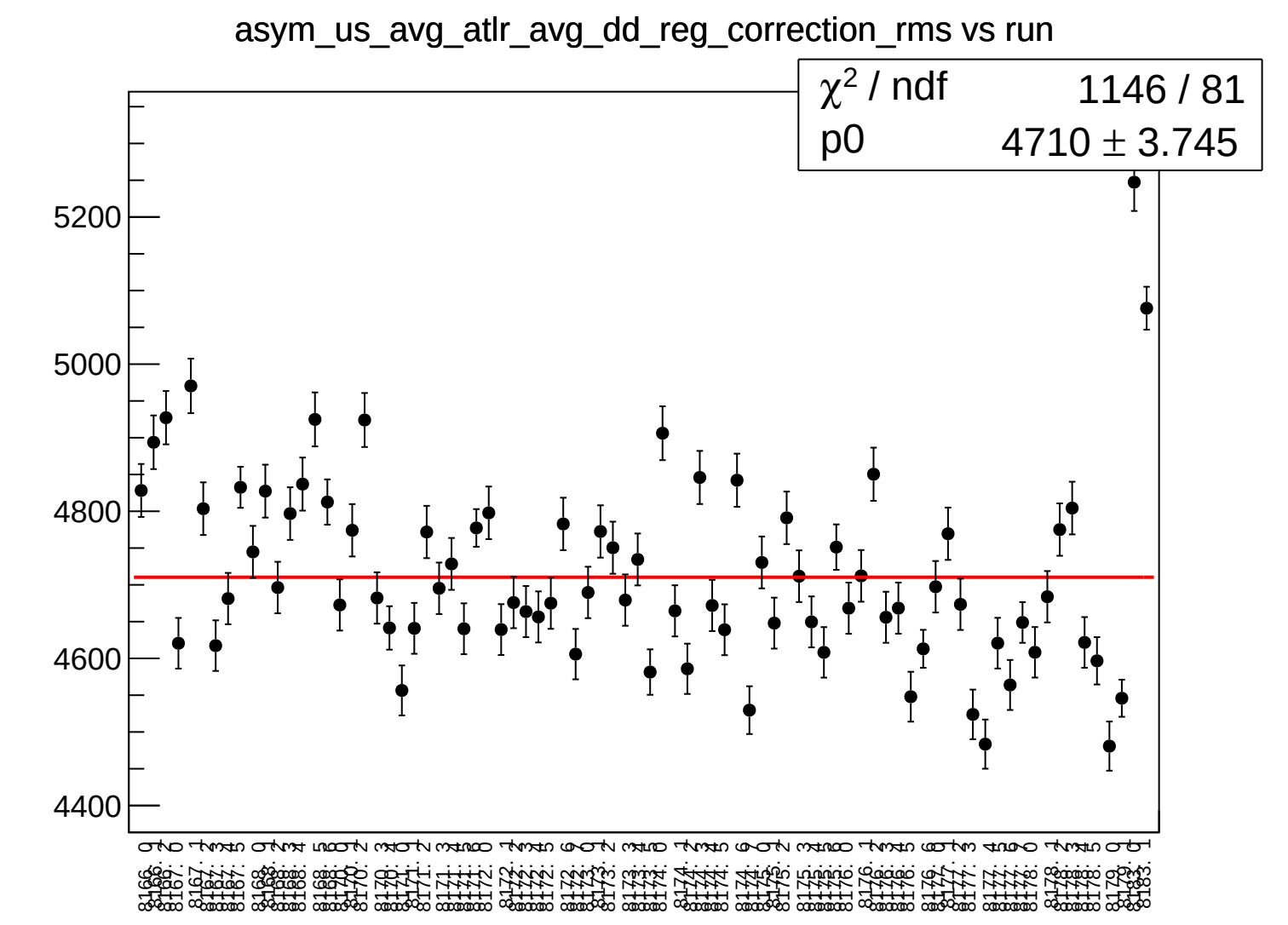

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 88.9 / 81
p0 −70.7 ± 1315
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −2507
Std Dev 0
3
2
1
0
−1
−2

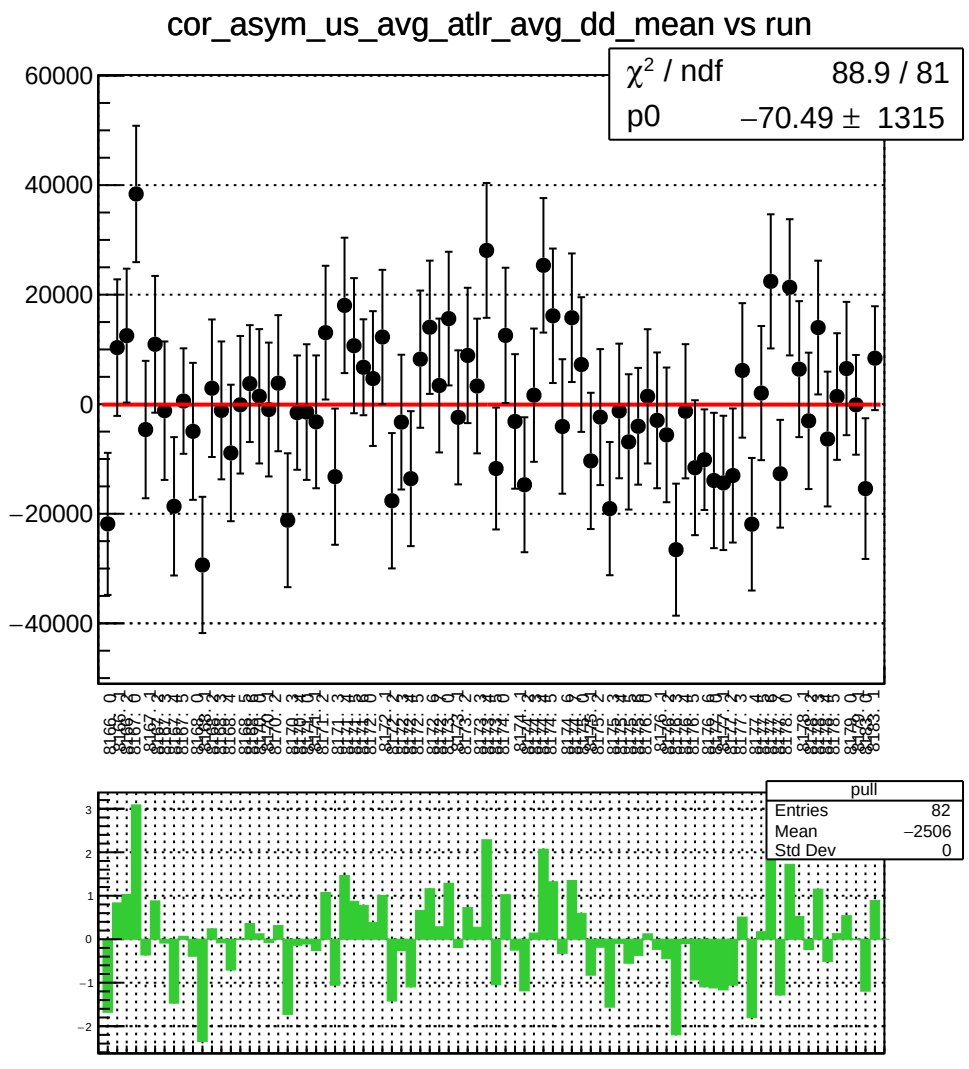

pull1D
Entries 82
Mean 0.0006351
Std Dev 1.041
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

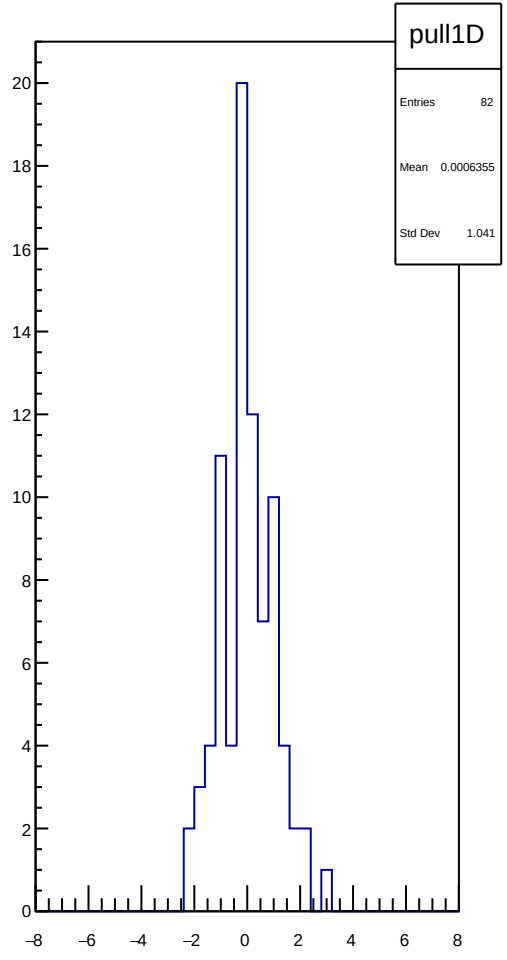

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 216.2 / 81
p0 1170 ± 0.9299
1240
1220
1200
1180
1160
1140

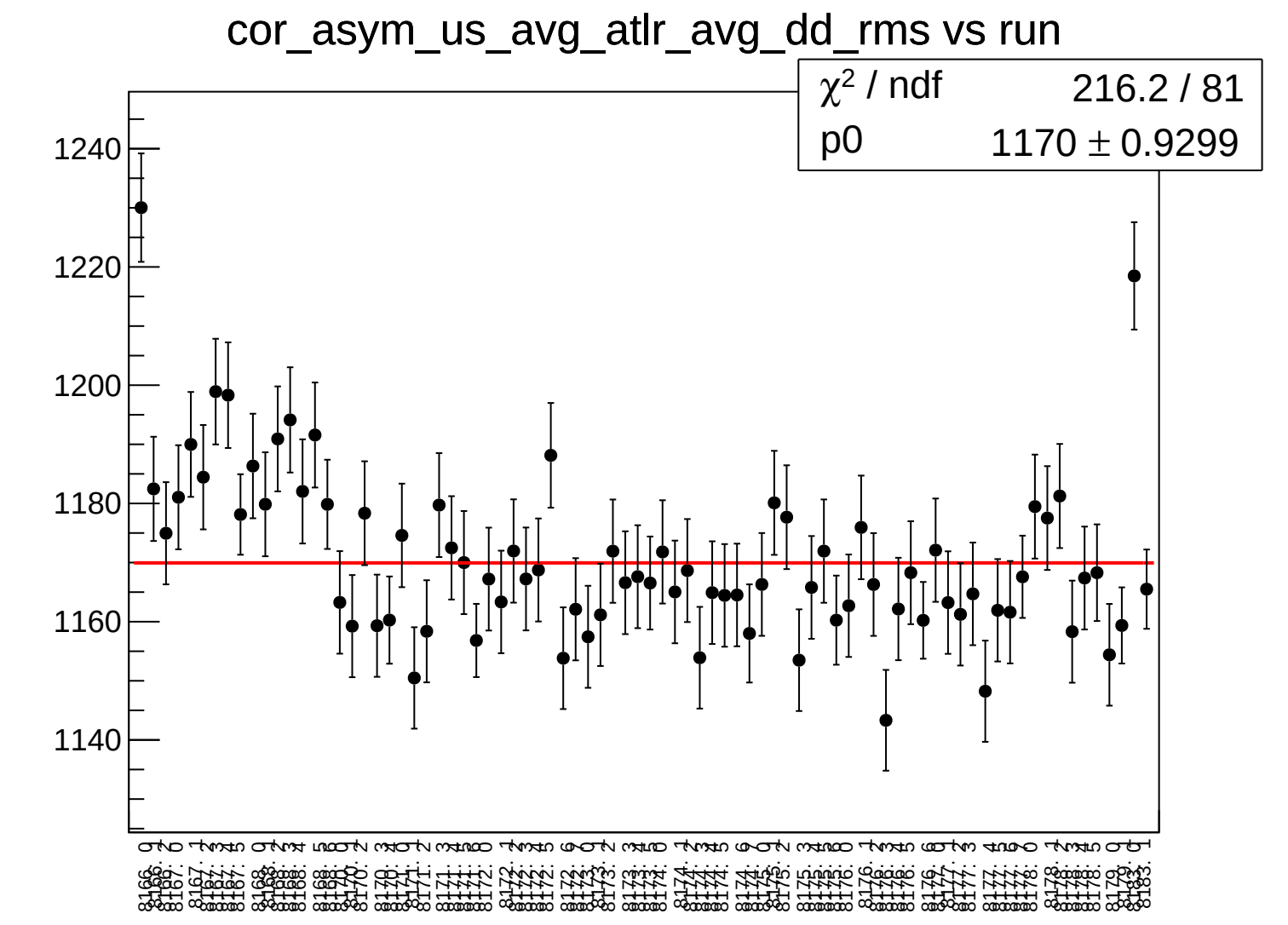

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 97.52 / 81
p0 −123.9 ± 5296
pull
Entries 82
Mean −663.9
Std Dev 0

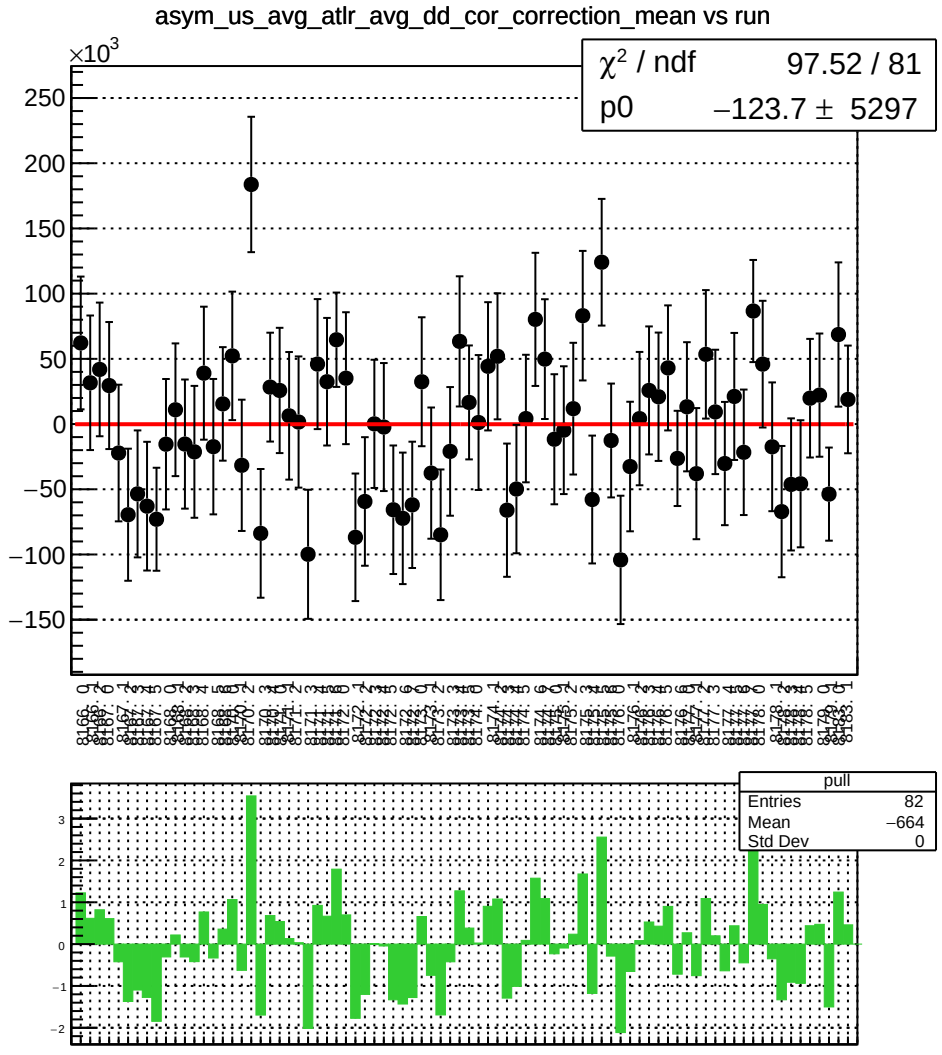

pull1D
Entries 82
Mean −0.001572
Std Dev 1.091

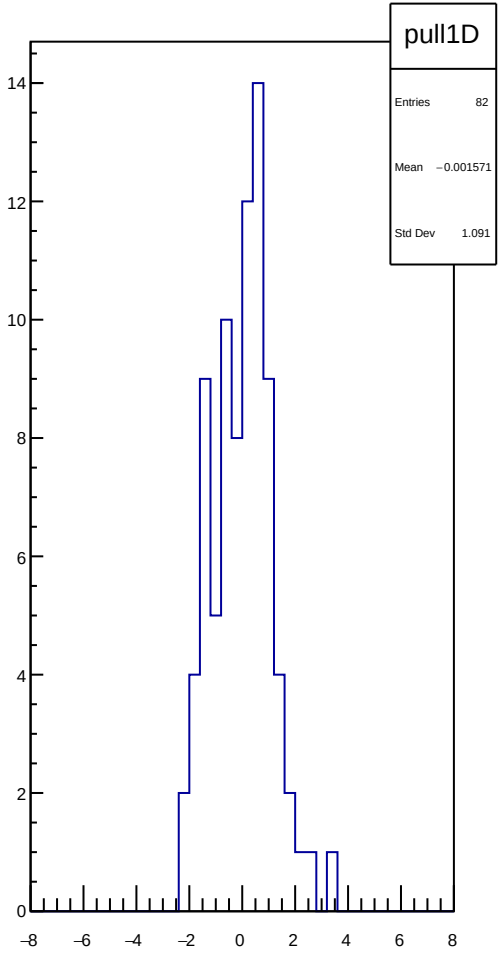

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ^2 / ndf 1146 / 81
p0 4710 ± 3.745
5200
5000
4800
4600
4400

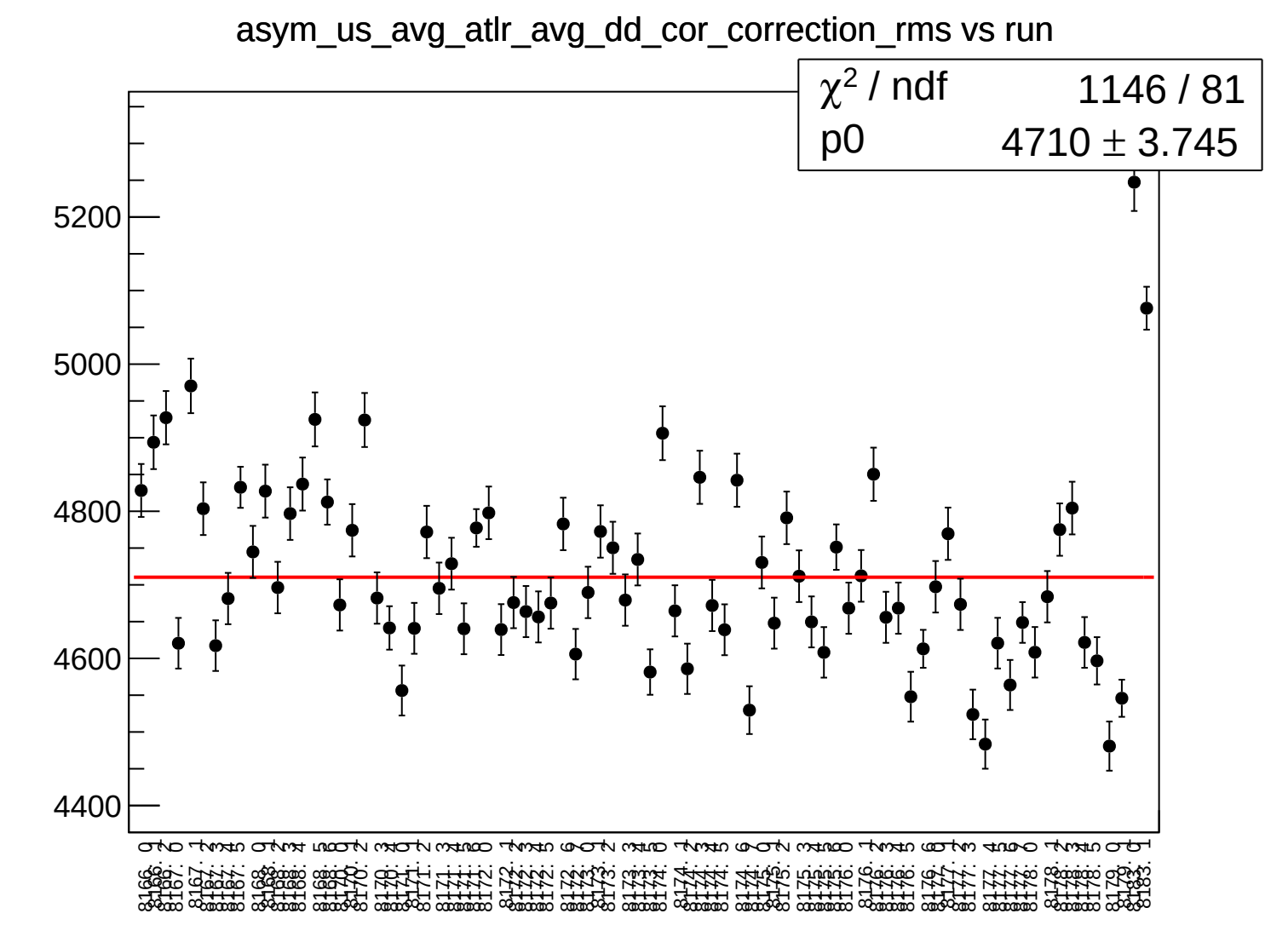

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 88.9 / 81
p0 −70.49 ± 1315
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −2506
Std Dev 0
3
2
1
0
−1
−2

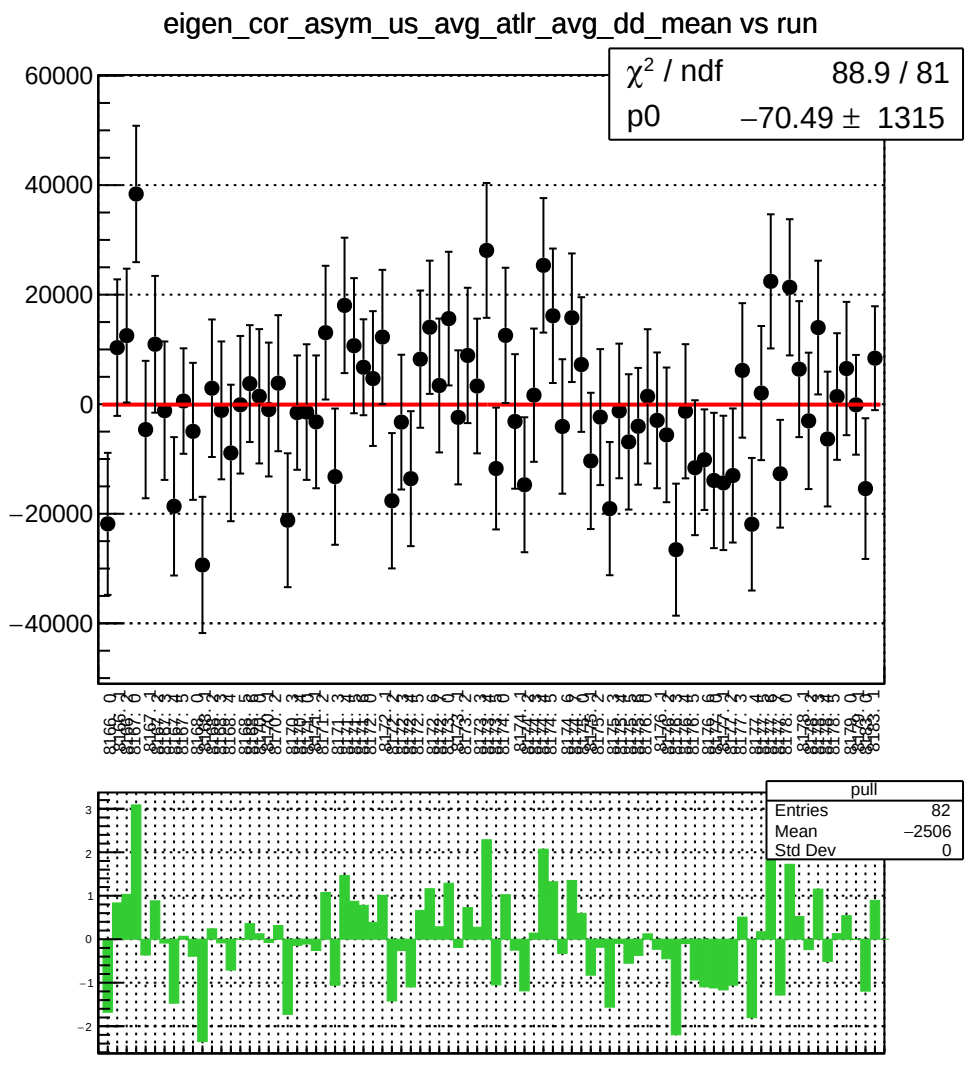

pull1D
Entries 82
Mean 0.0006355
Std Dev 1.041
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

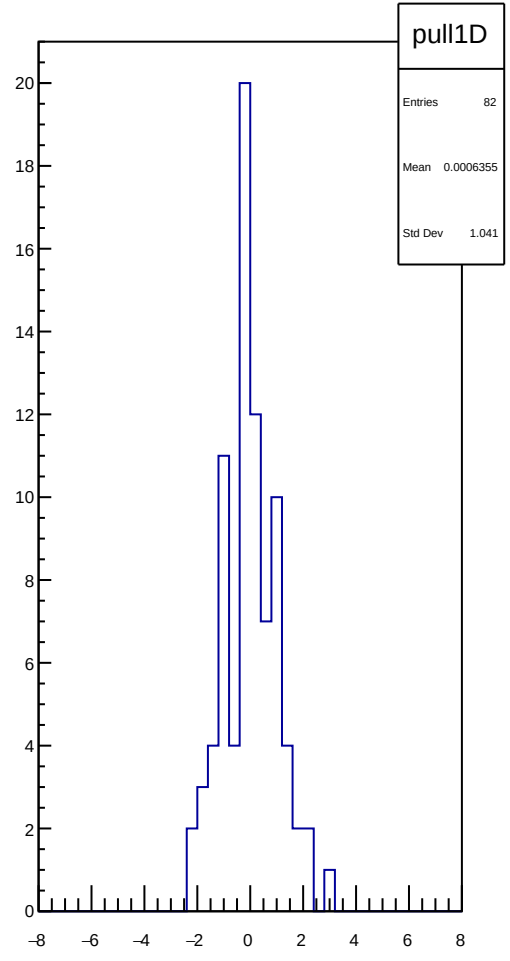

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 216.2 / 81
p0 1170 ± 0.9299
1240
1220
1200
1180
1160
1140

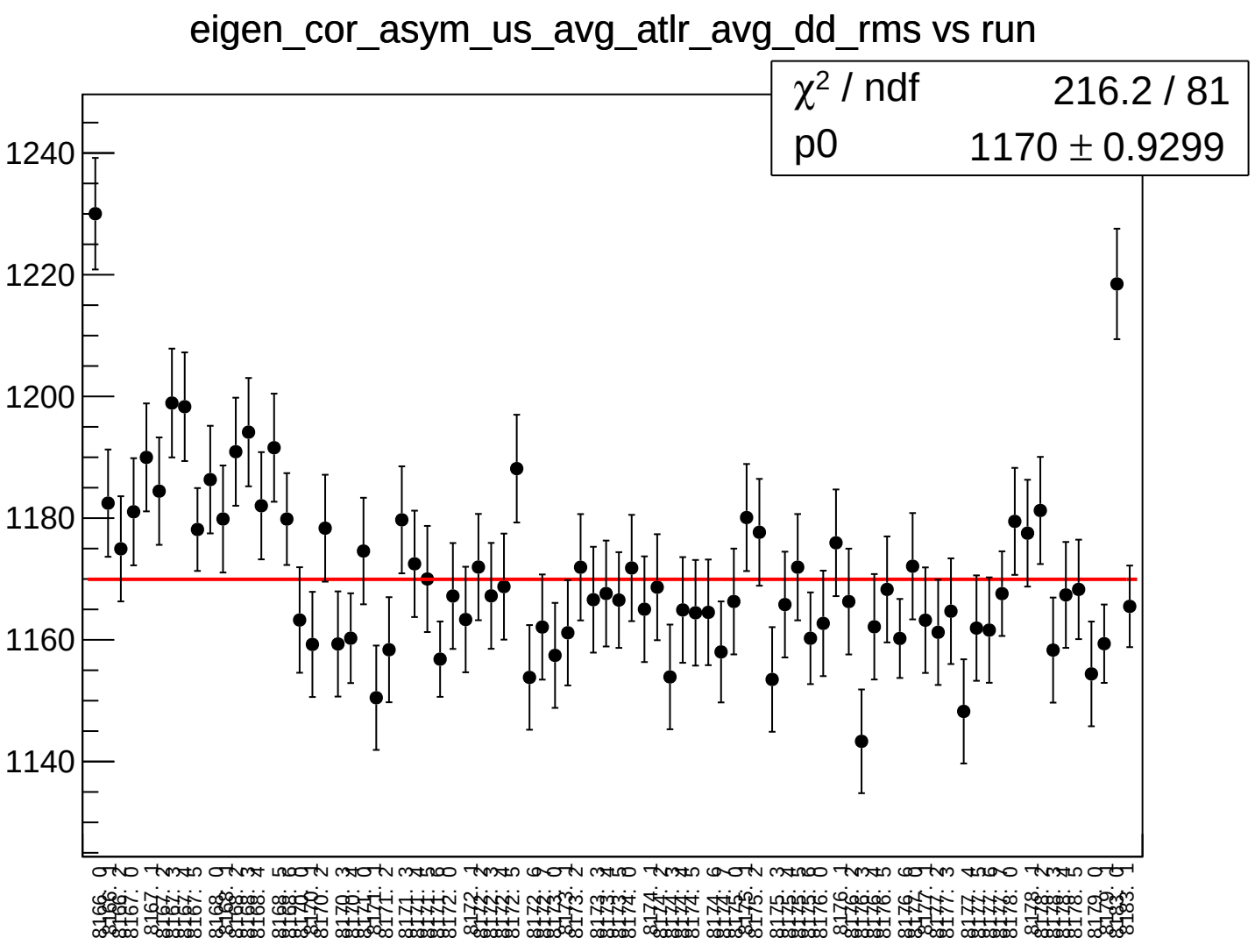

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 97.52 / 81
p0 −123.7 ± 5297
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −664
Std Dev 0
3
2
1
0
−1
−2

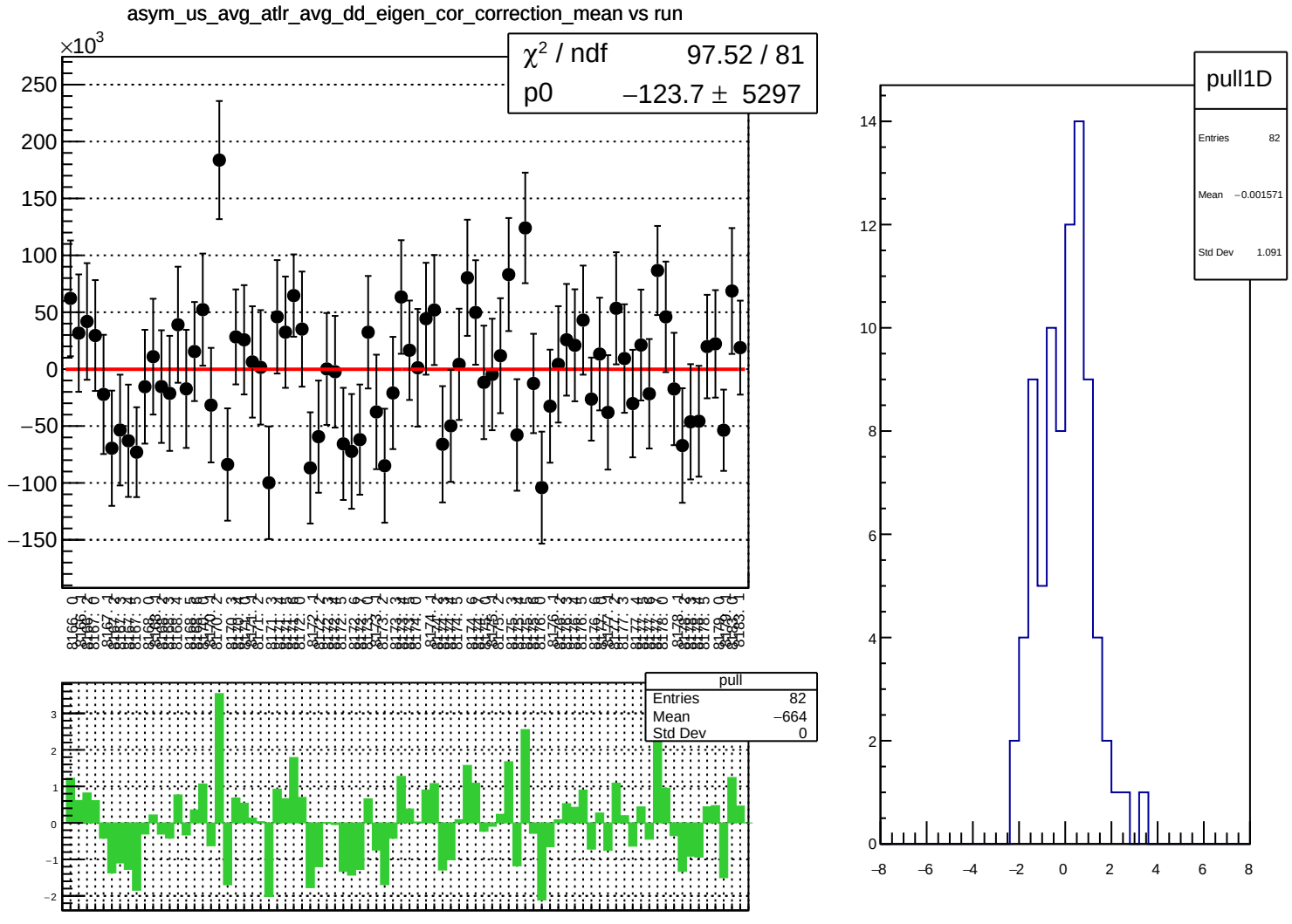

pull1D
Entries 82
Mean −0.001571
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

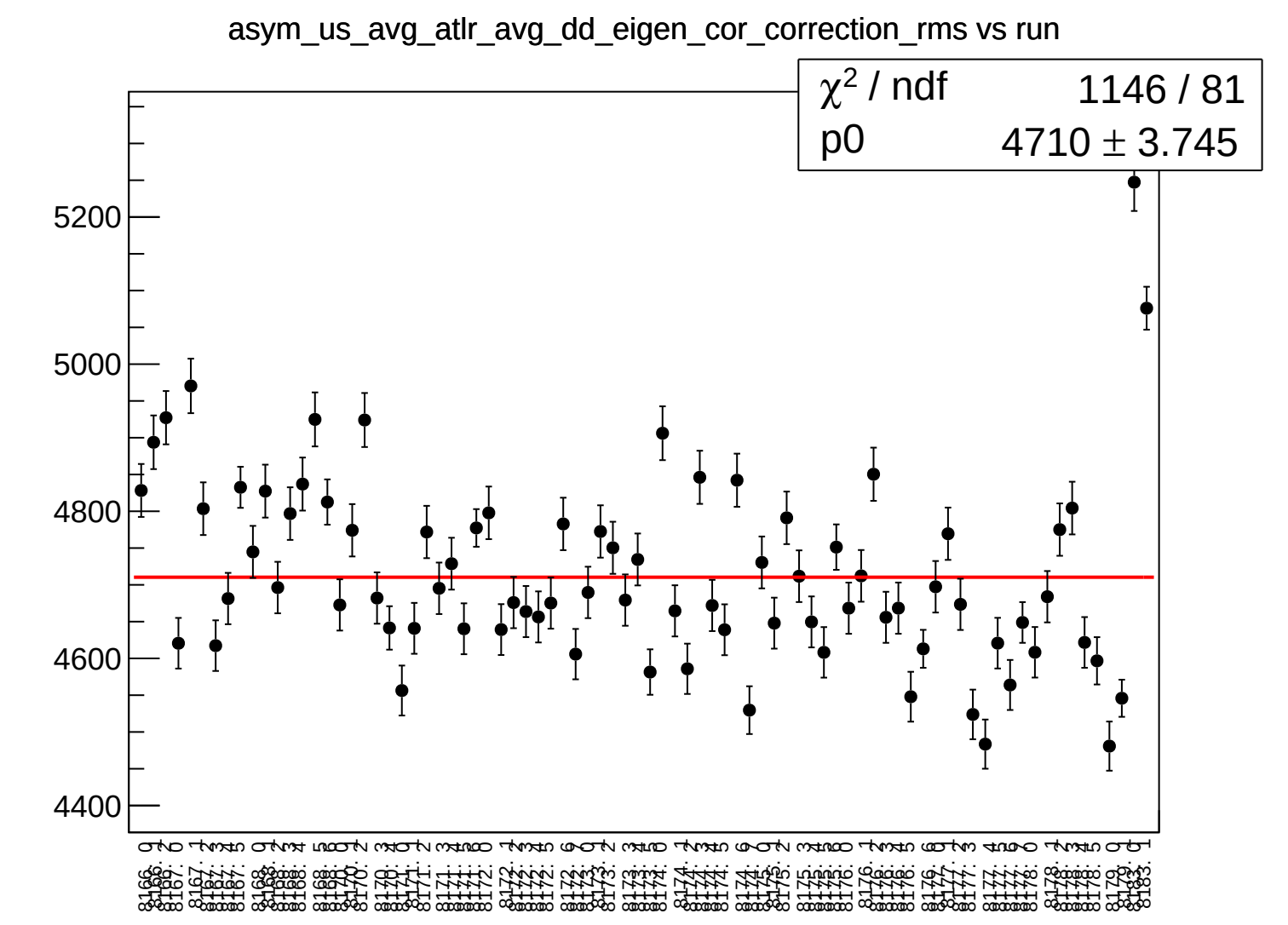

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 1146 / 81
p0 4710 ± 3.745
5200
5000
4800
4600
4400

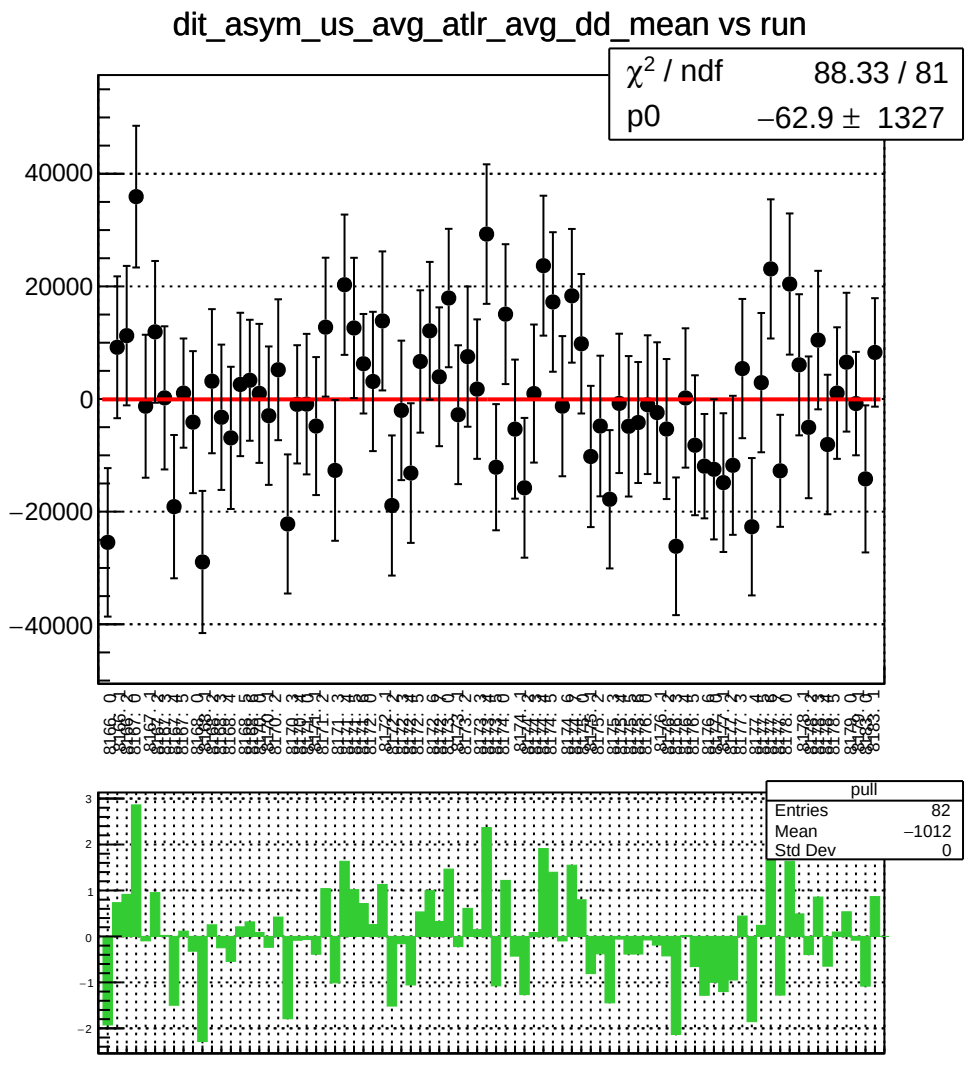

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 88.9 / 81
p0 −70.49 ± 1315
pull
Entries 82
Mean −2506
Std Dev 0

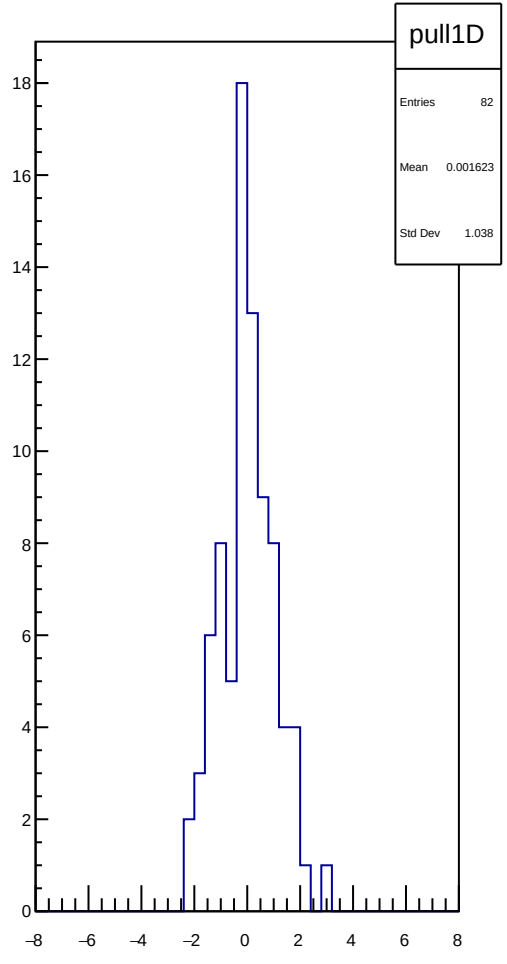

pull1D
Entries 82
Mean 0.0006355
Std Dev 1.041

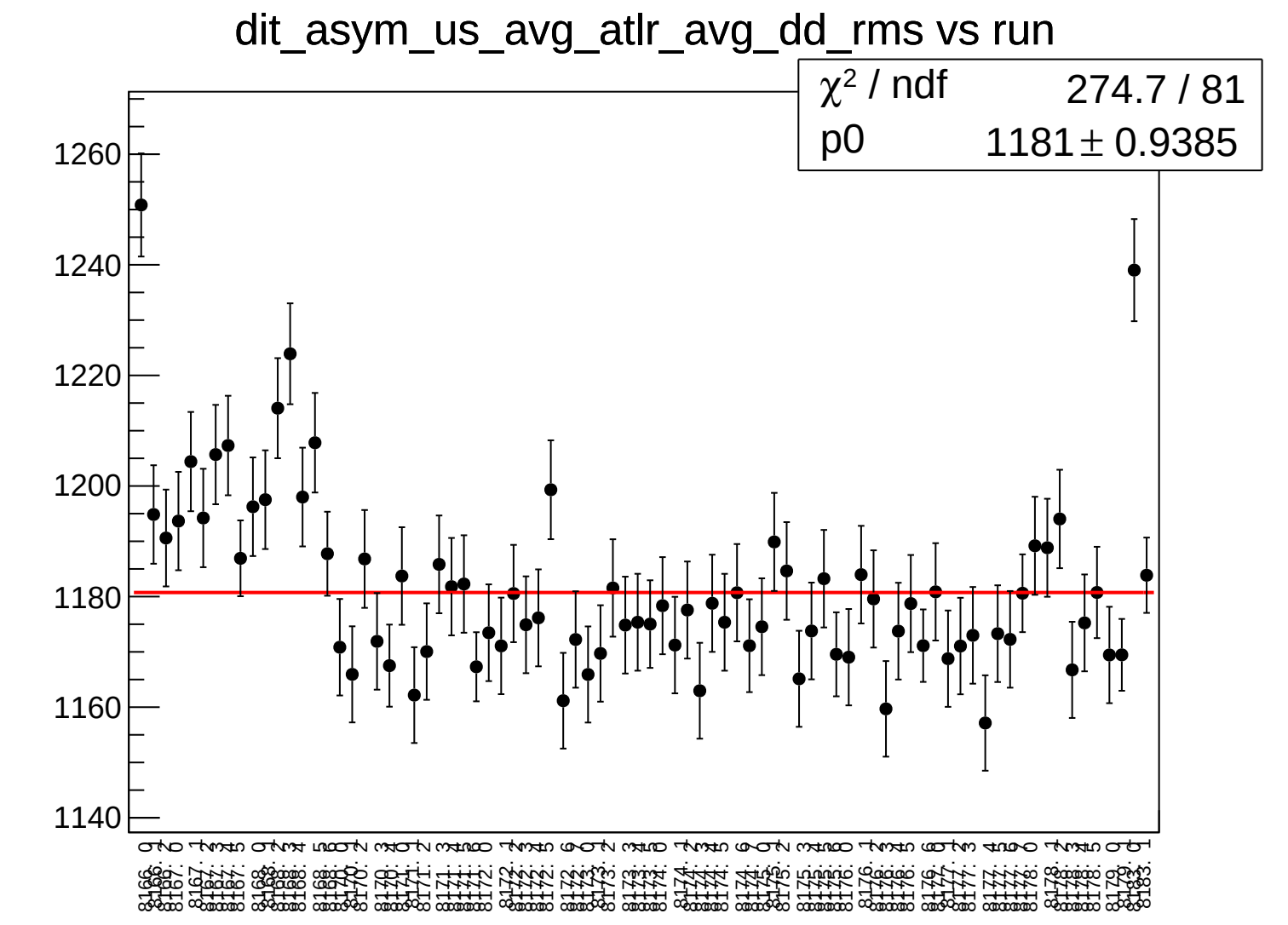

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 216.2 / 81
p0 1170 ± 0.9299
1240
1220
1200
1180
1160
1140

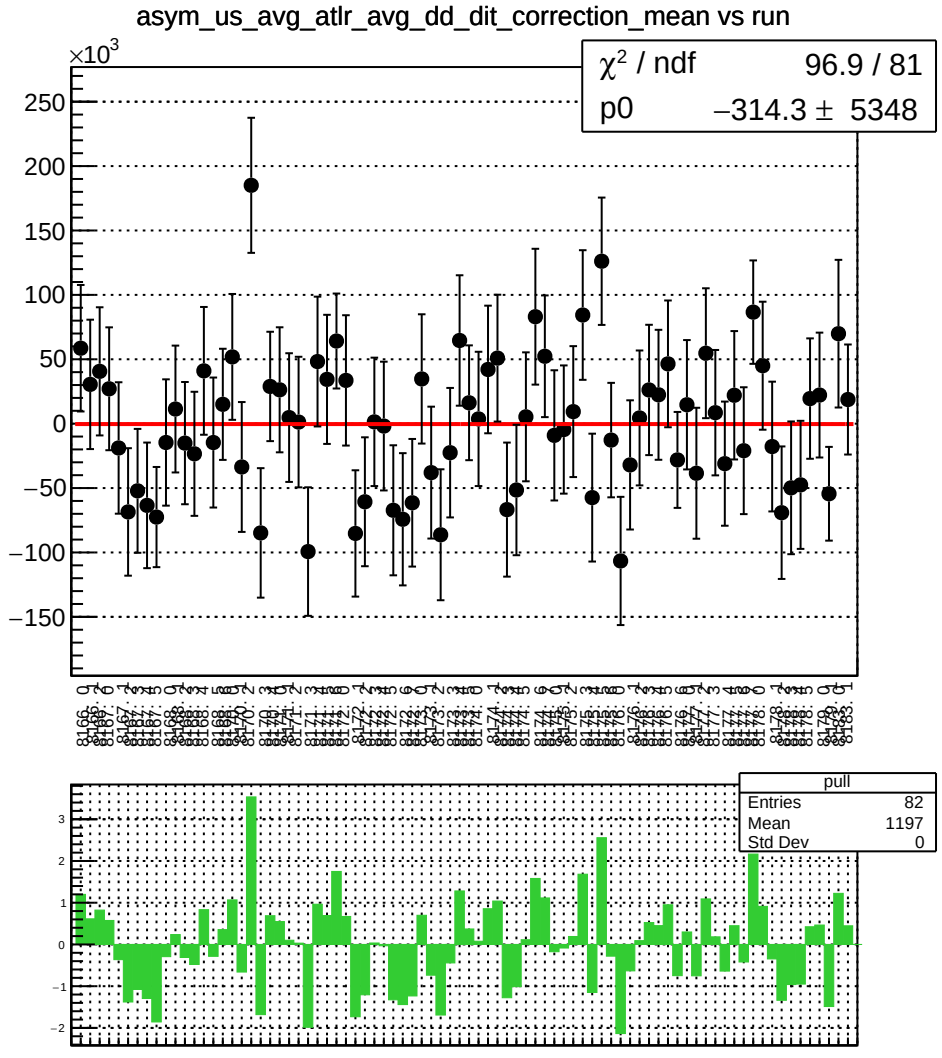

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 97.52 / 81
p0 −123.7 ± 5297
pull
Entries 82
Mean −664
Std Dev 0
pull1D
Entries 82
Mean −0.001571
Std Dev 1.091

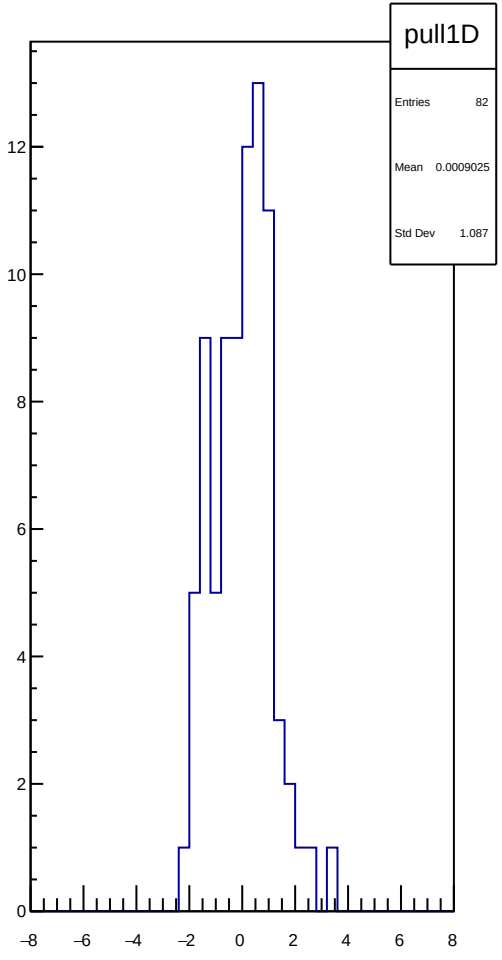

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1146 / 81
p0 4710 ± 3.745
5200
5000
4800
4600
4400

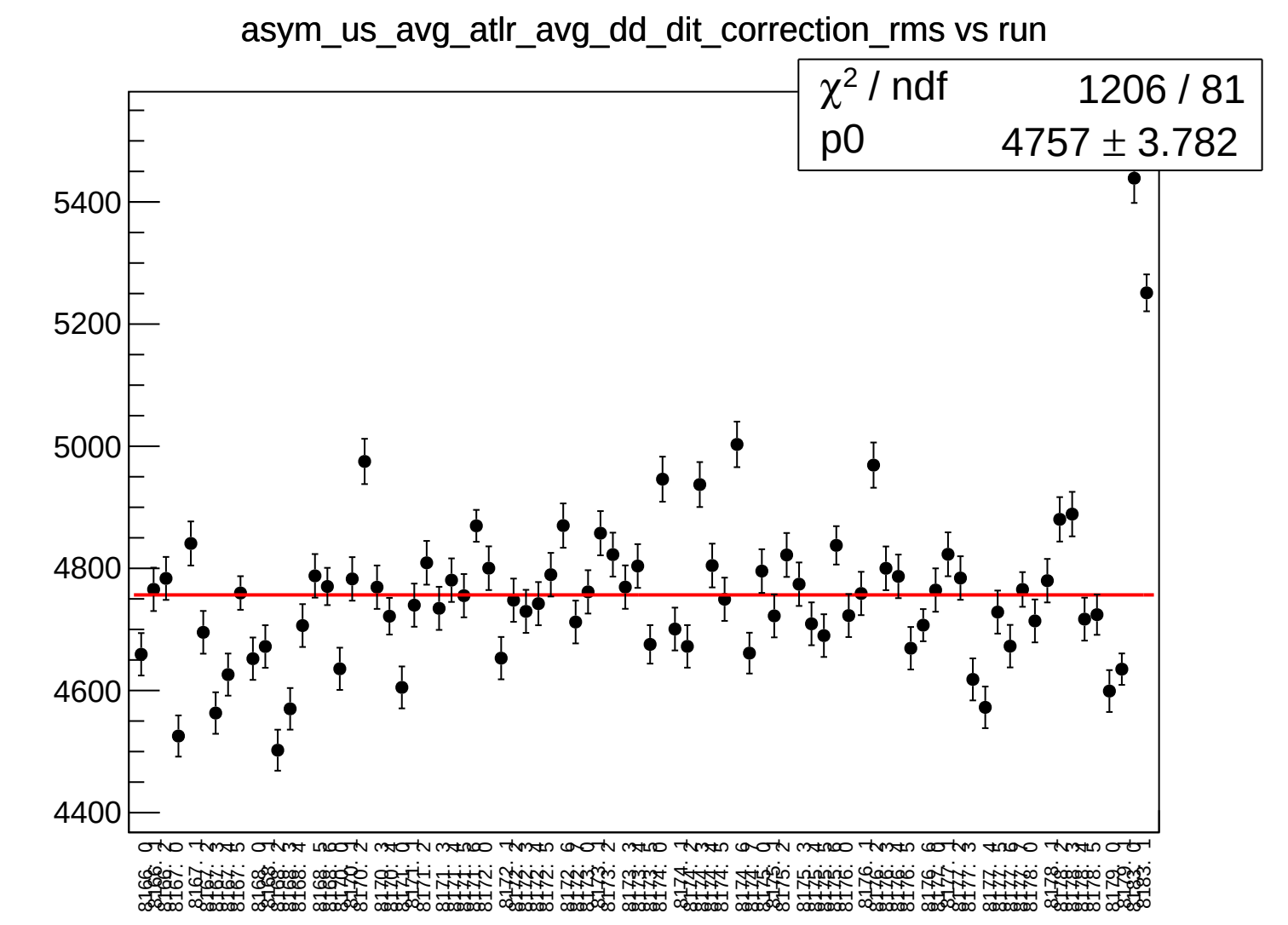

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 88.33 / 81
p0 −62.9 ± 1327
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1012
Std Dev 0
3
2
1
0
−1
−2

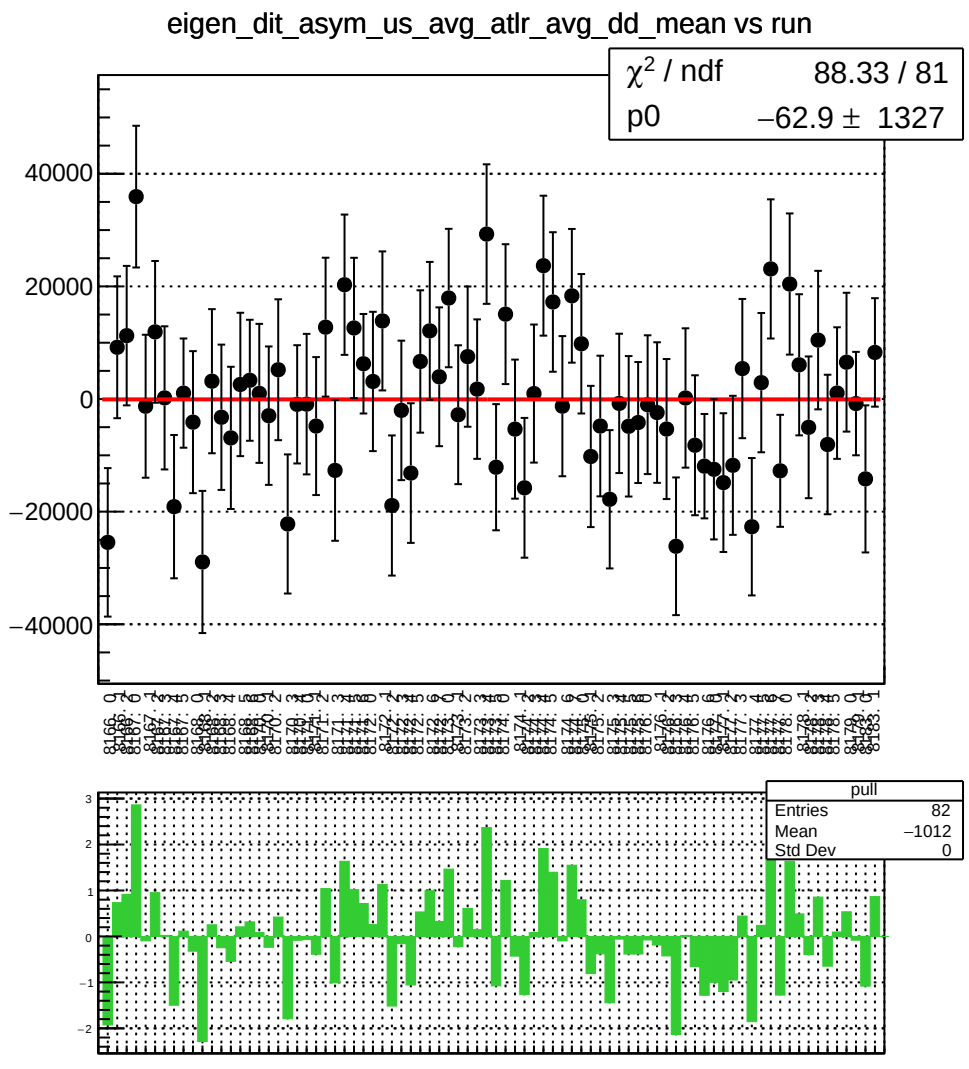

pull1D
Entries 82
Mean 0.001623
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

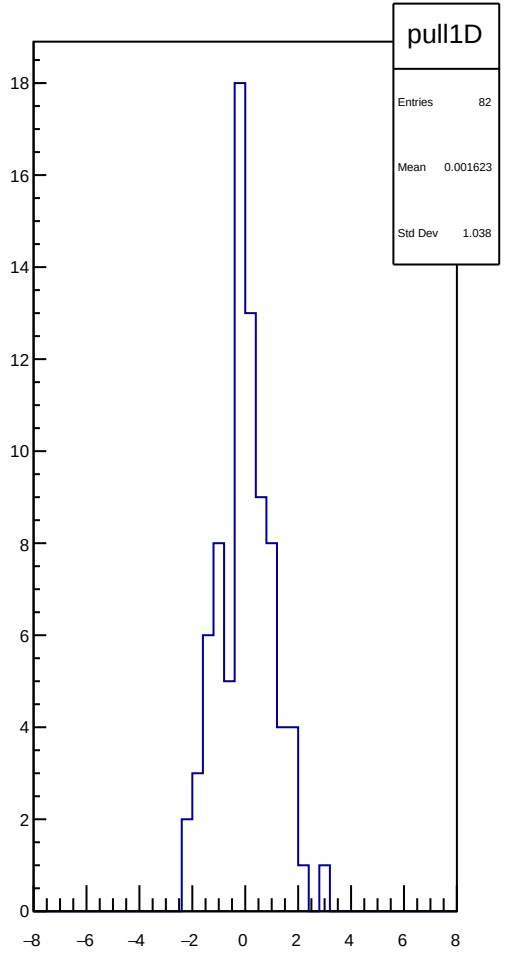

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 274.7 / 81
p0 1181 ± 0.9385
1260
1240
1220
1200
1180
1160
1140

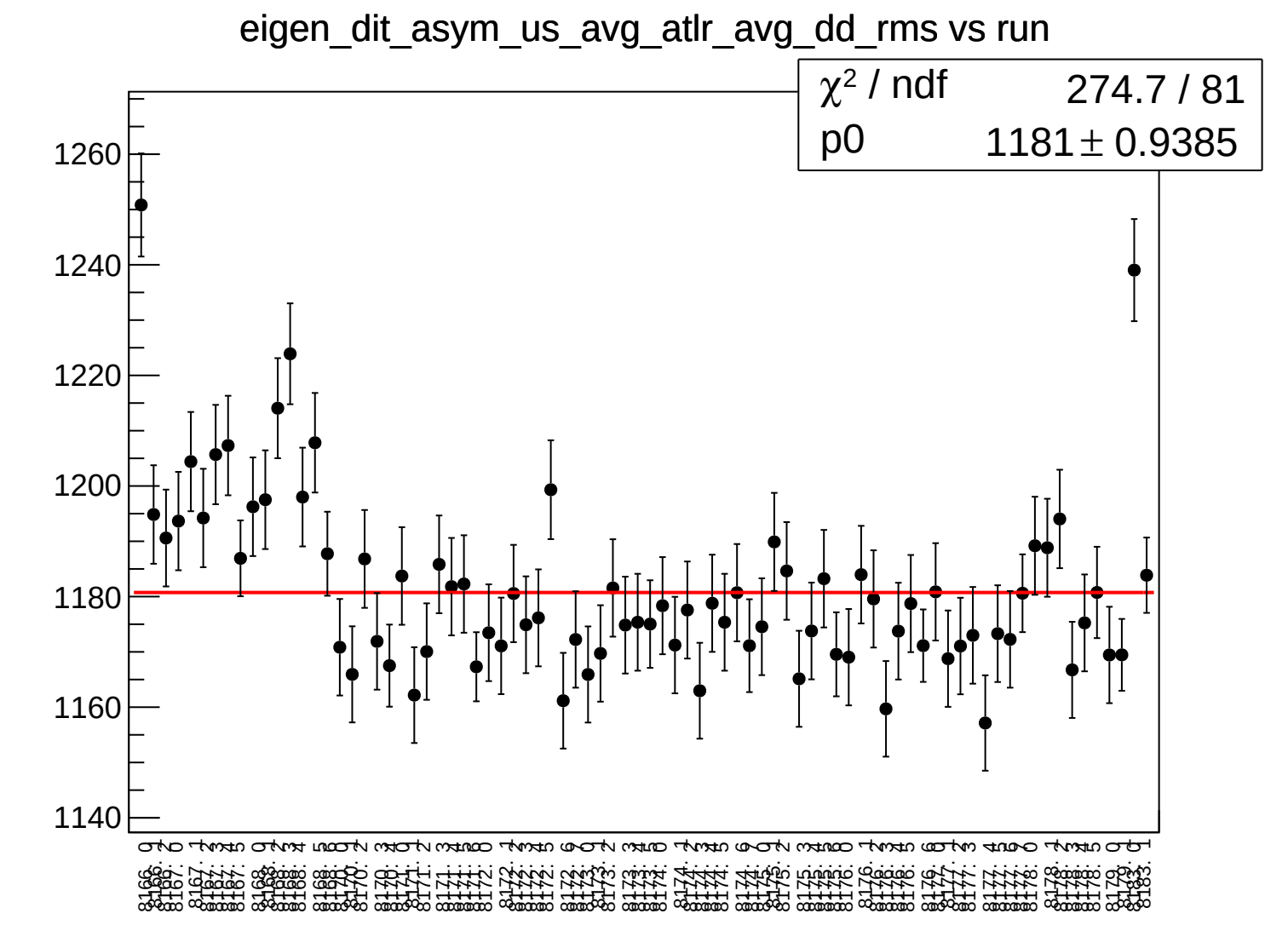

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 96.9 / 81
p0 −314.3 ± 5348
250
200
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 1197
Std Dev 0
3
2
1
0
−1
−2

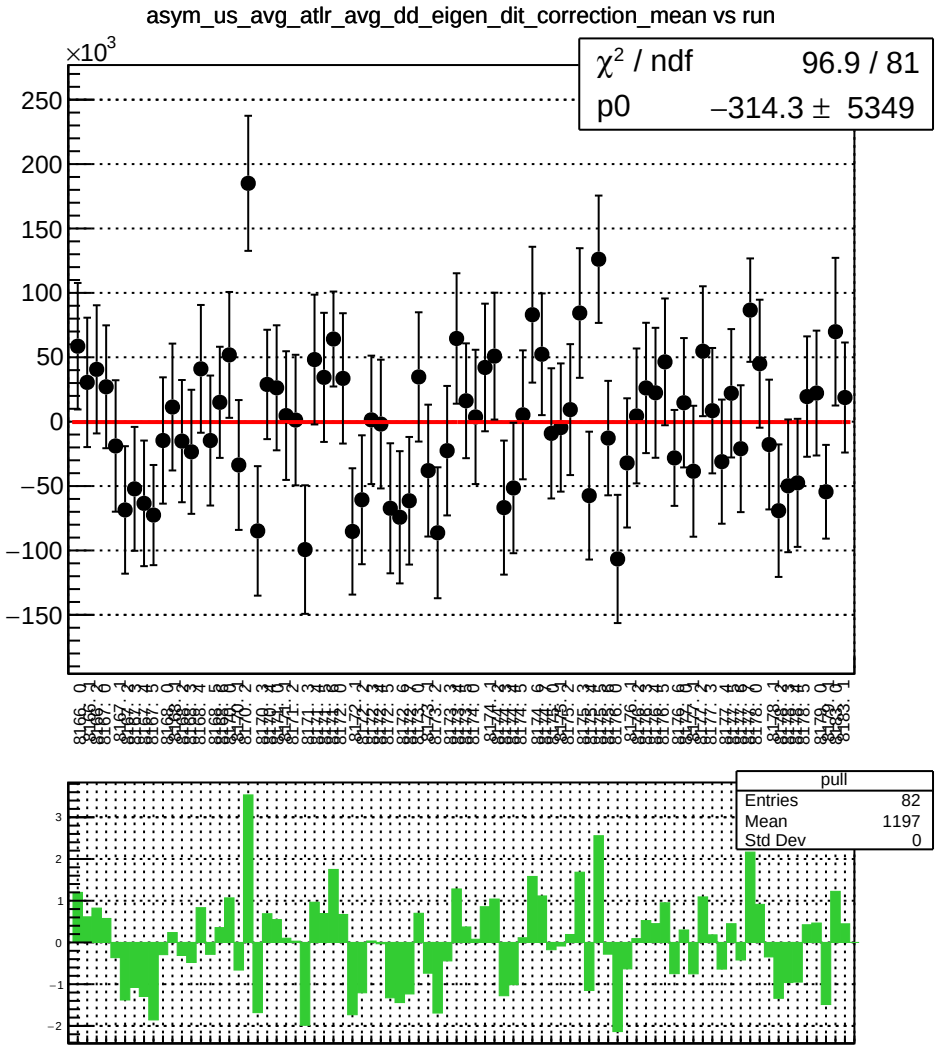

pull1D
Entries 82
Mean 0.0009025
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

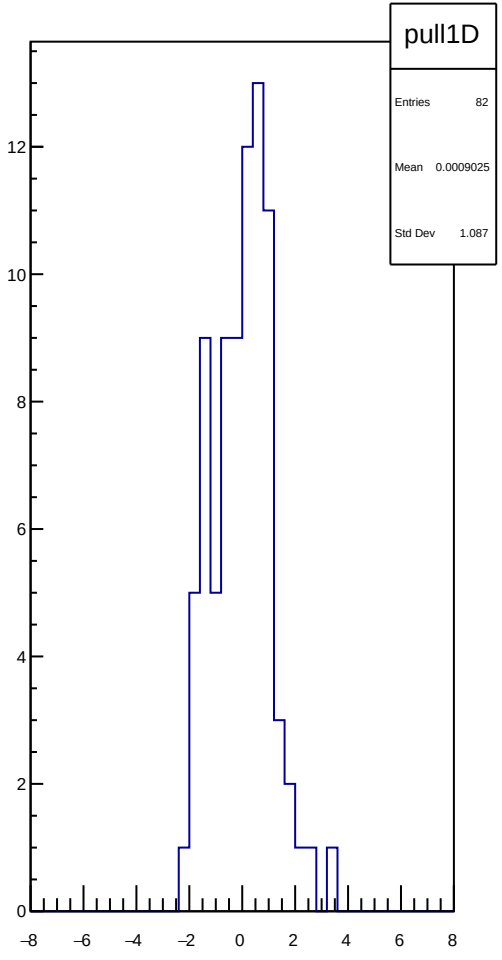

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 1206 / 81
p0 4757 ± 3.782
5400
5200
5000
4800
4600
4400

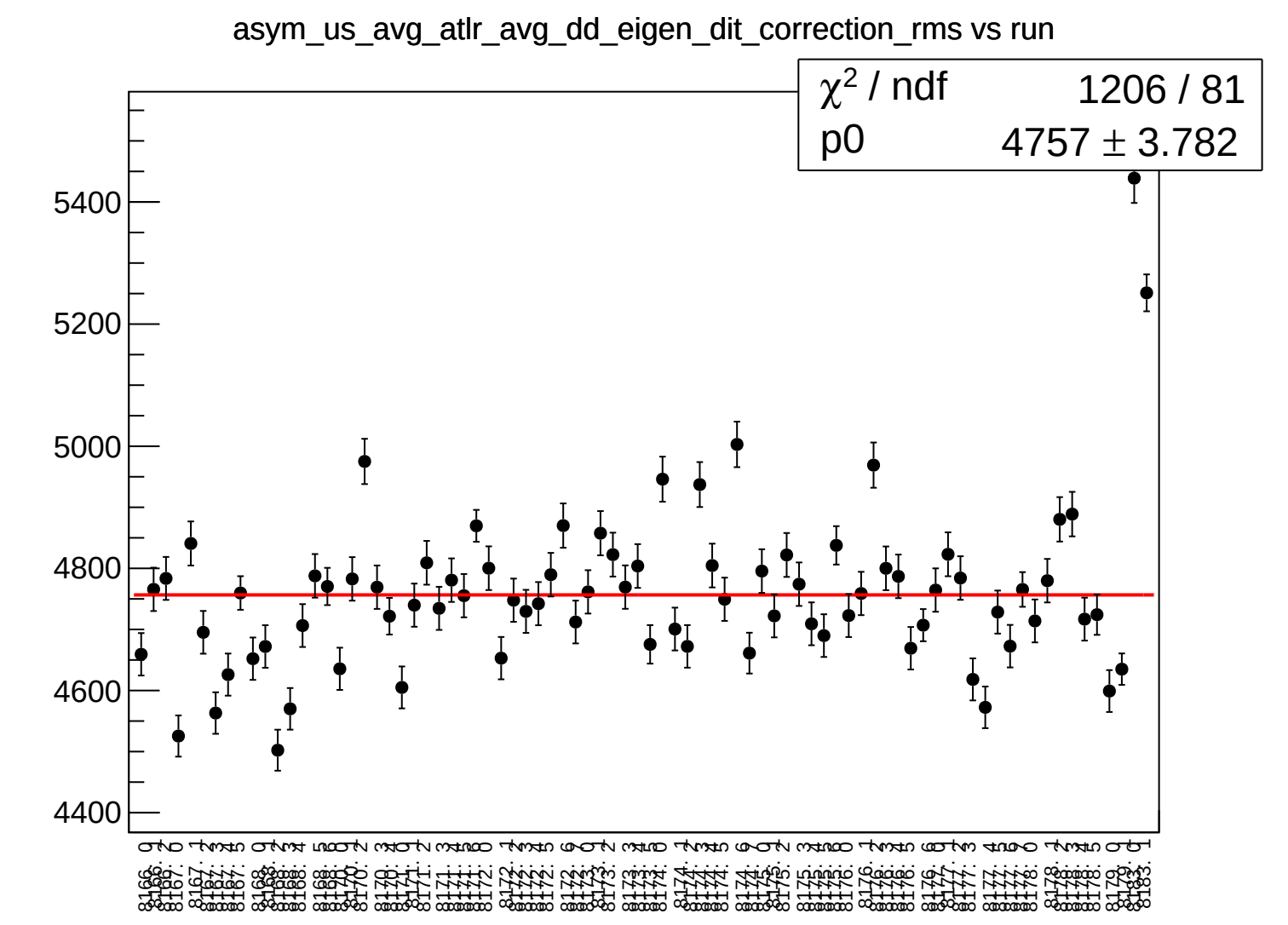

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 88.33 / 81
p0 −62.9 ± 1327
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1012
Std Dev 0
3
2
1
0
−1
−2

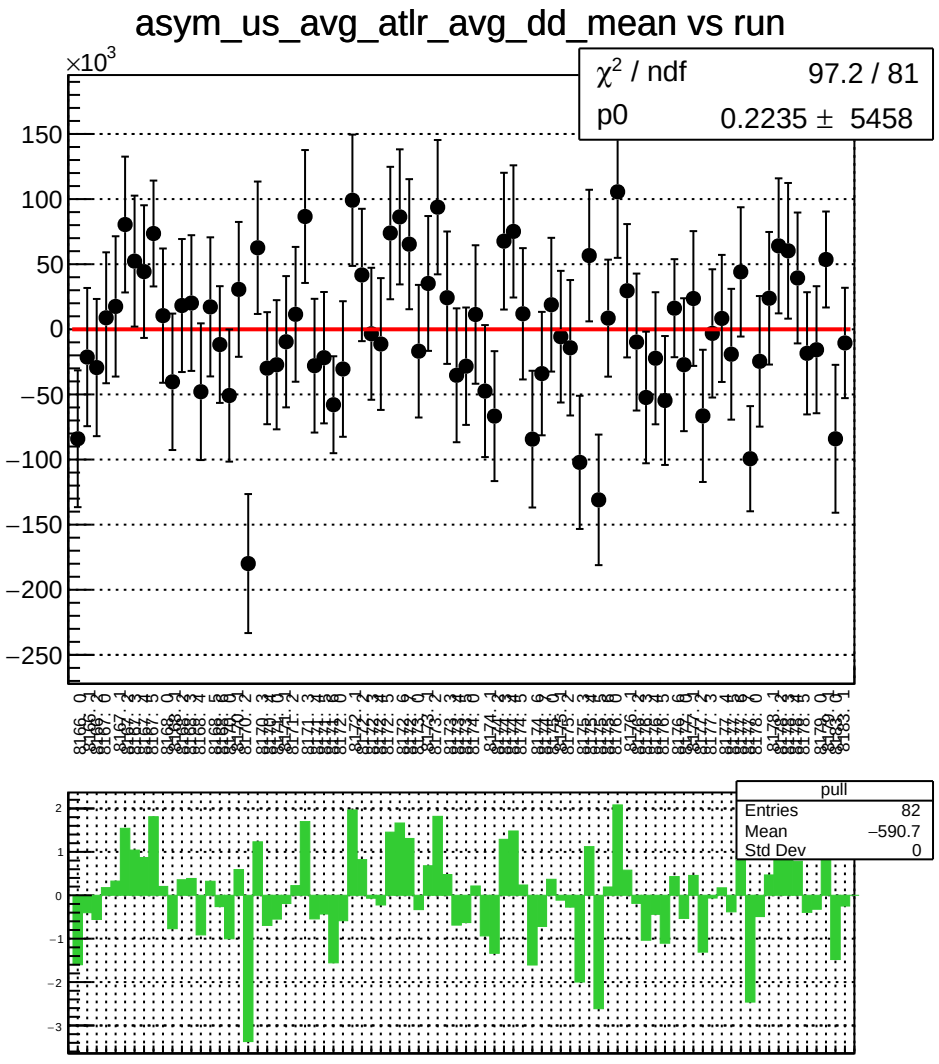

pull1D
Entries 82
Mean 0.001623
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

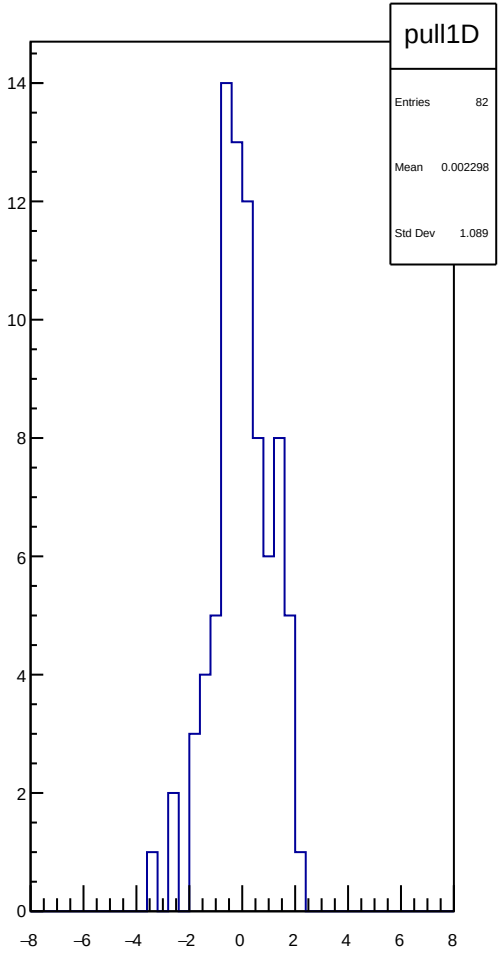

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 274.7 / 81
p0 1181 ± 0.9385
1260
1240
1220
1200
1180
1160
1140

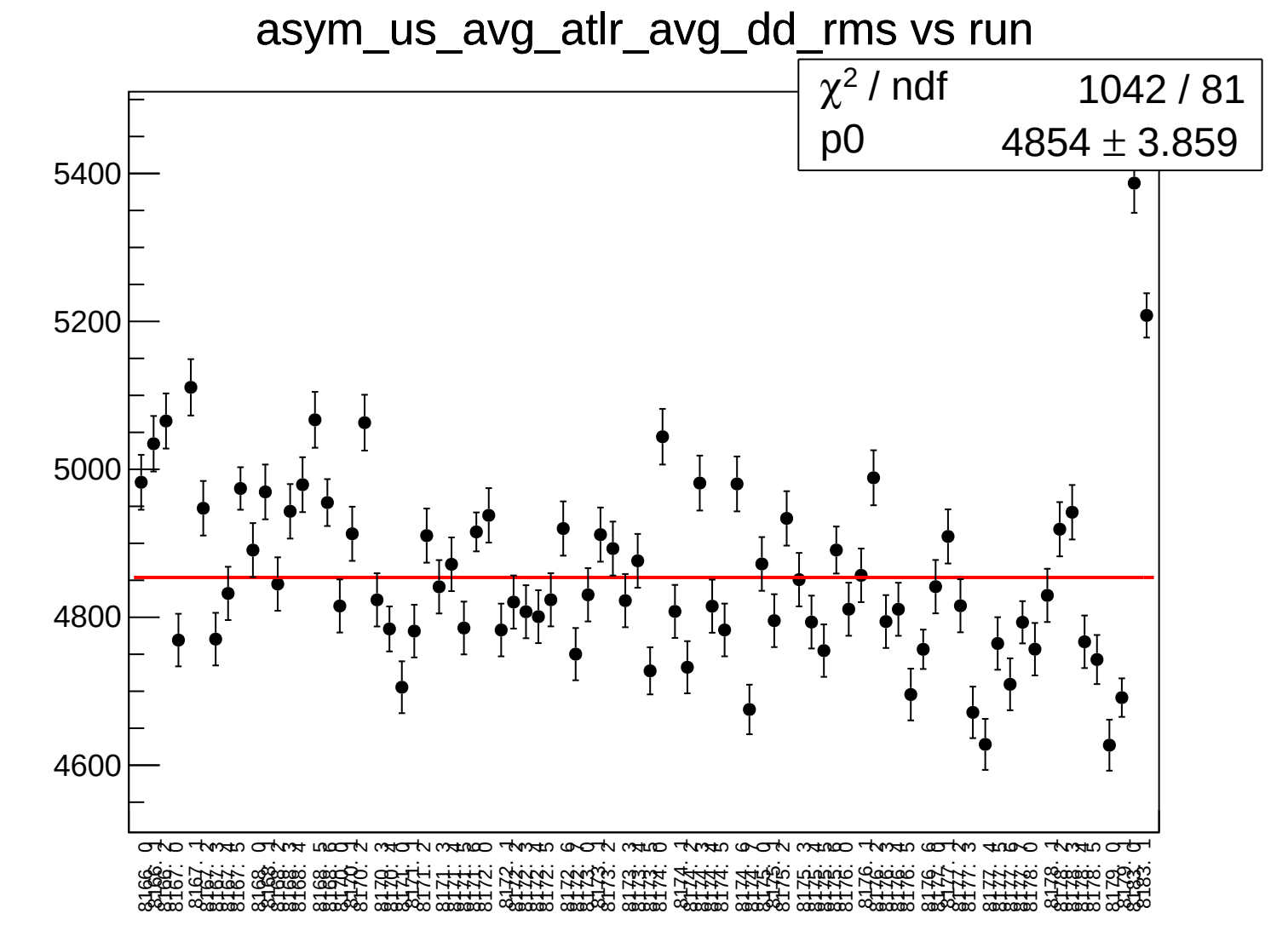

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 96.9 / 81
p0 −314.3 ± 5349
pull
Entries 82
Mean 1197
Std Dev 0

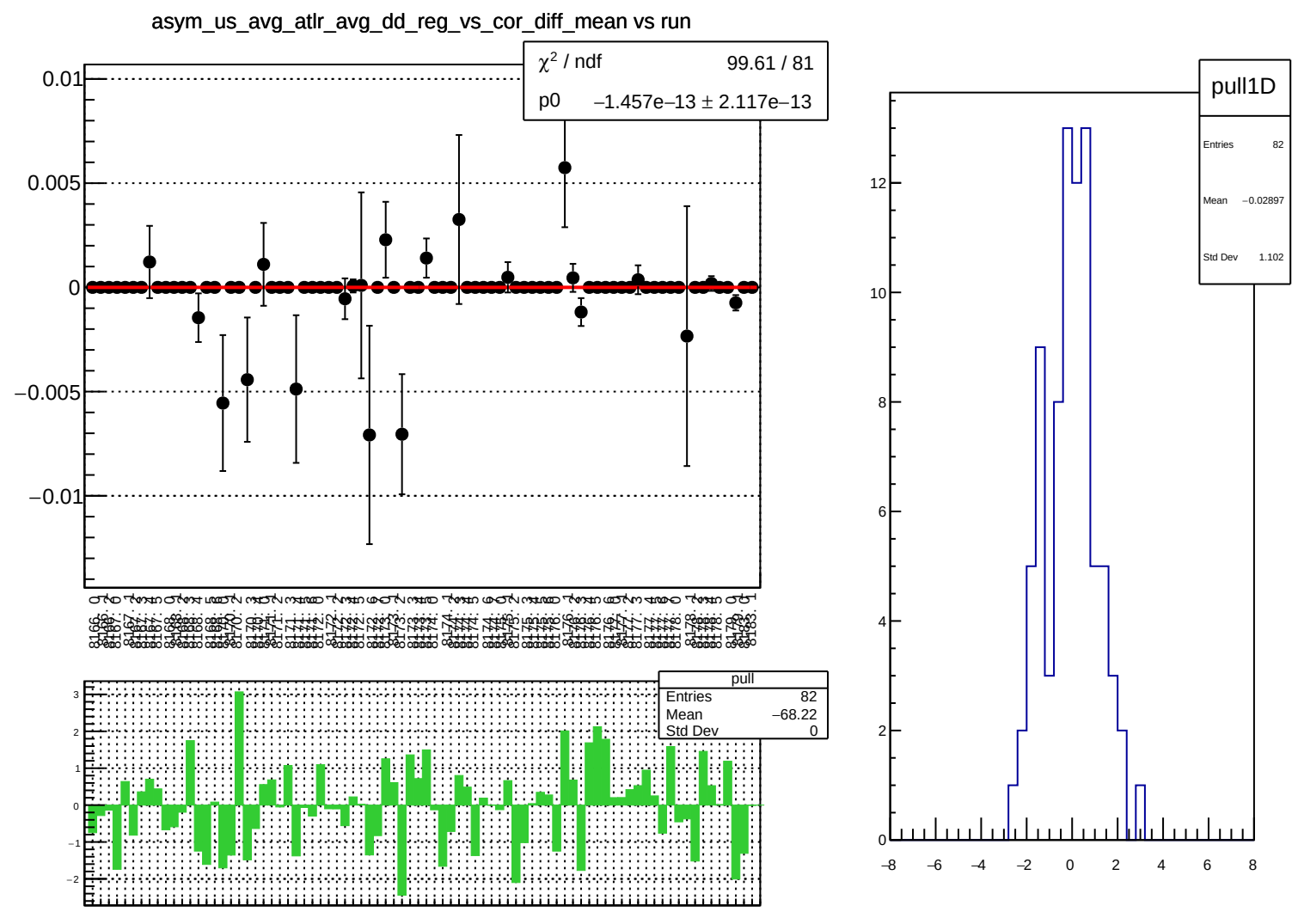

pull1D
Entries 82
Mean 0.0009025
Std Dev 1.087

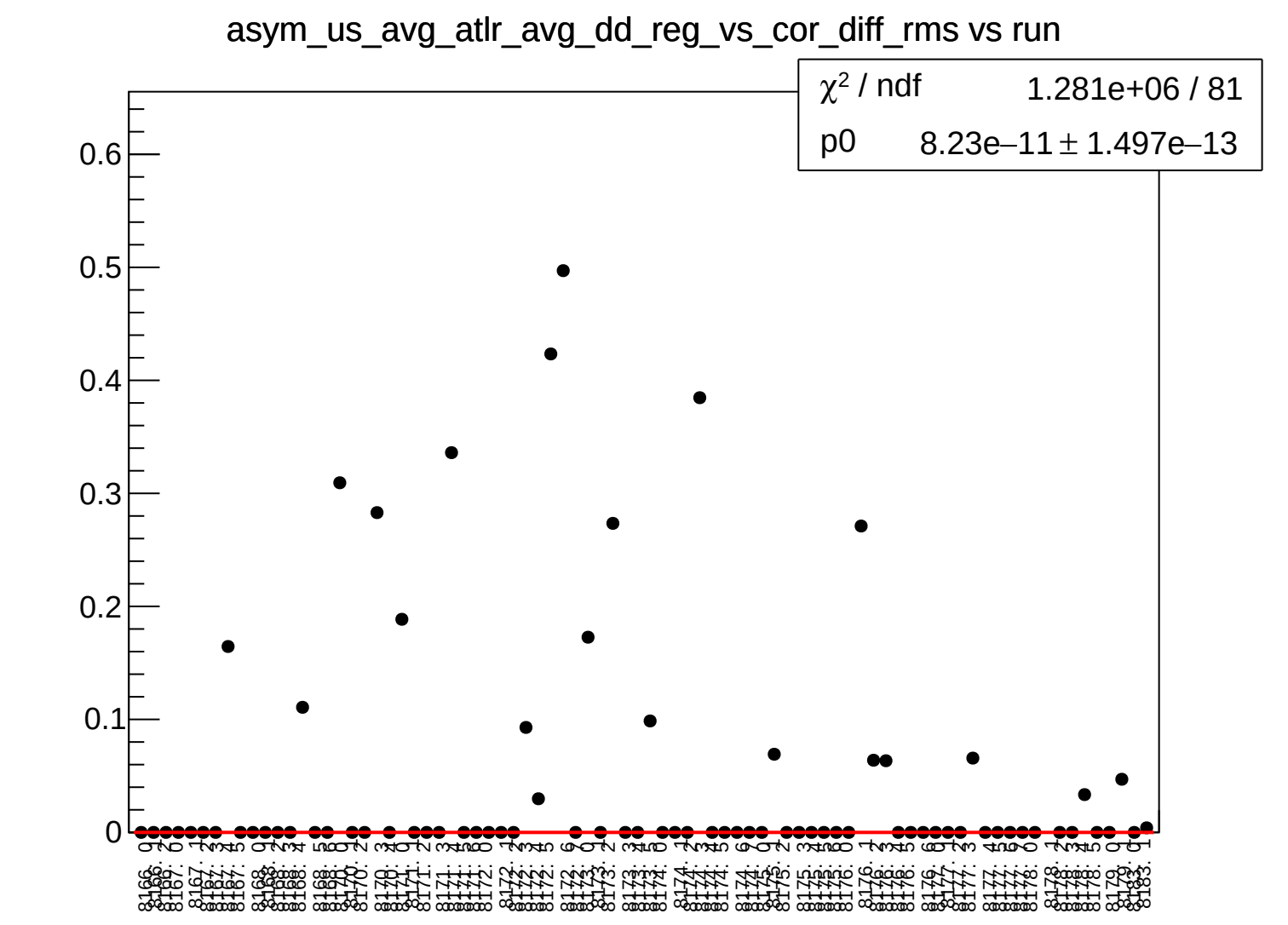

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1206 / 81
p0 4757 ± 3.782
5400
5200
5000
4800
4600
4400

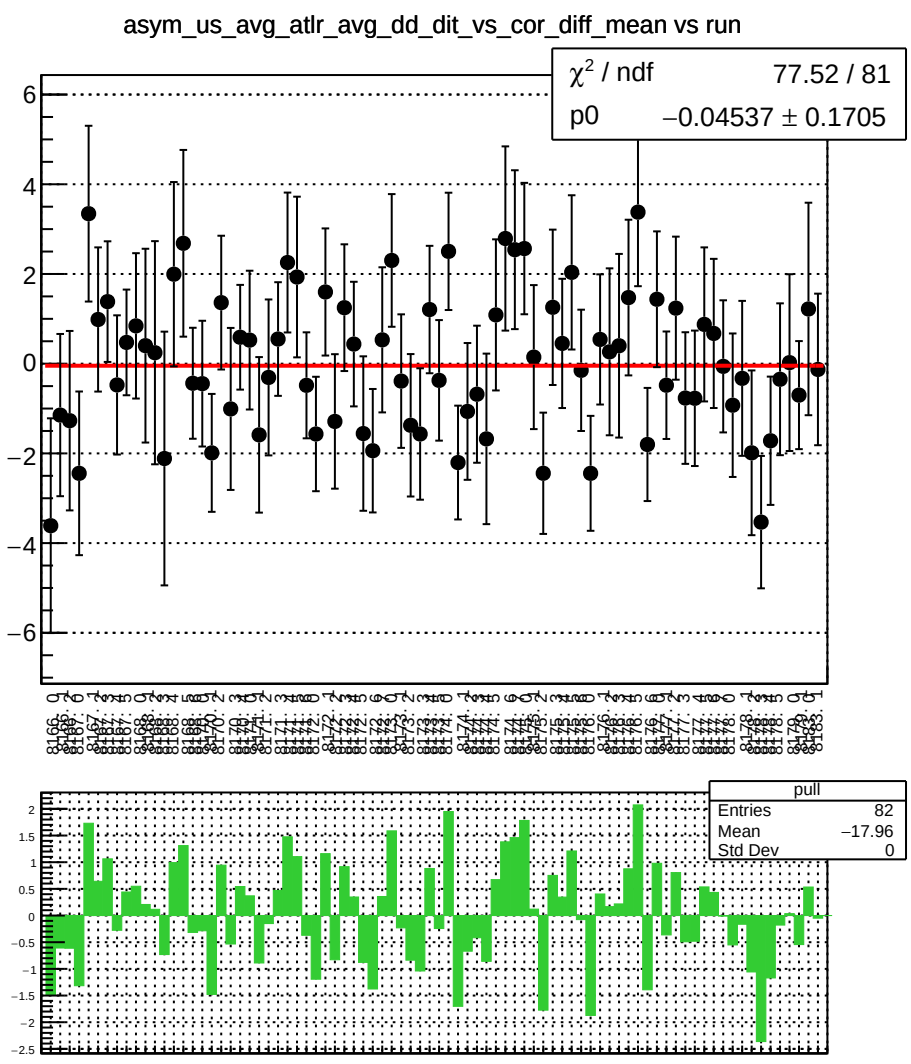

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 97.2 / 81
p0 0.2235 ± 5458
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean −590.7
Std Dev 0
2
1
0
−1
−2
−3

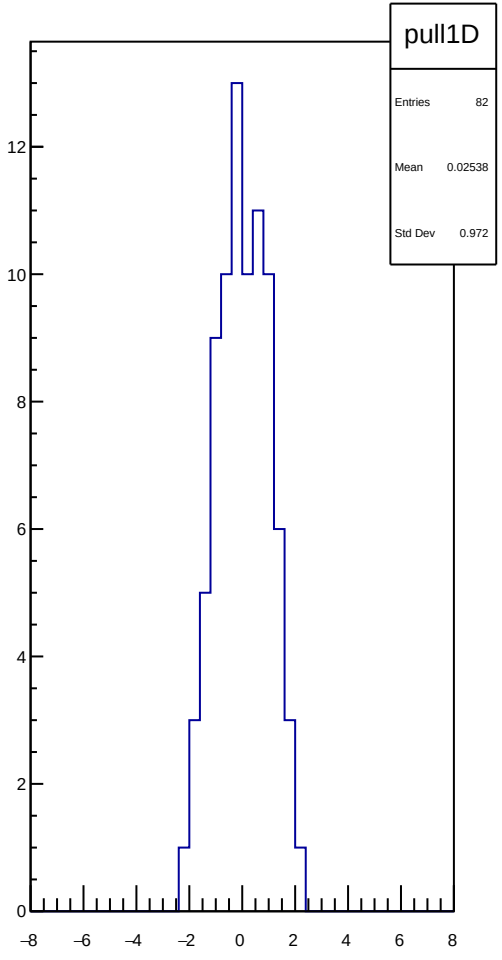

pull1D
Entries 82
Mean 0.002298
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

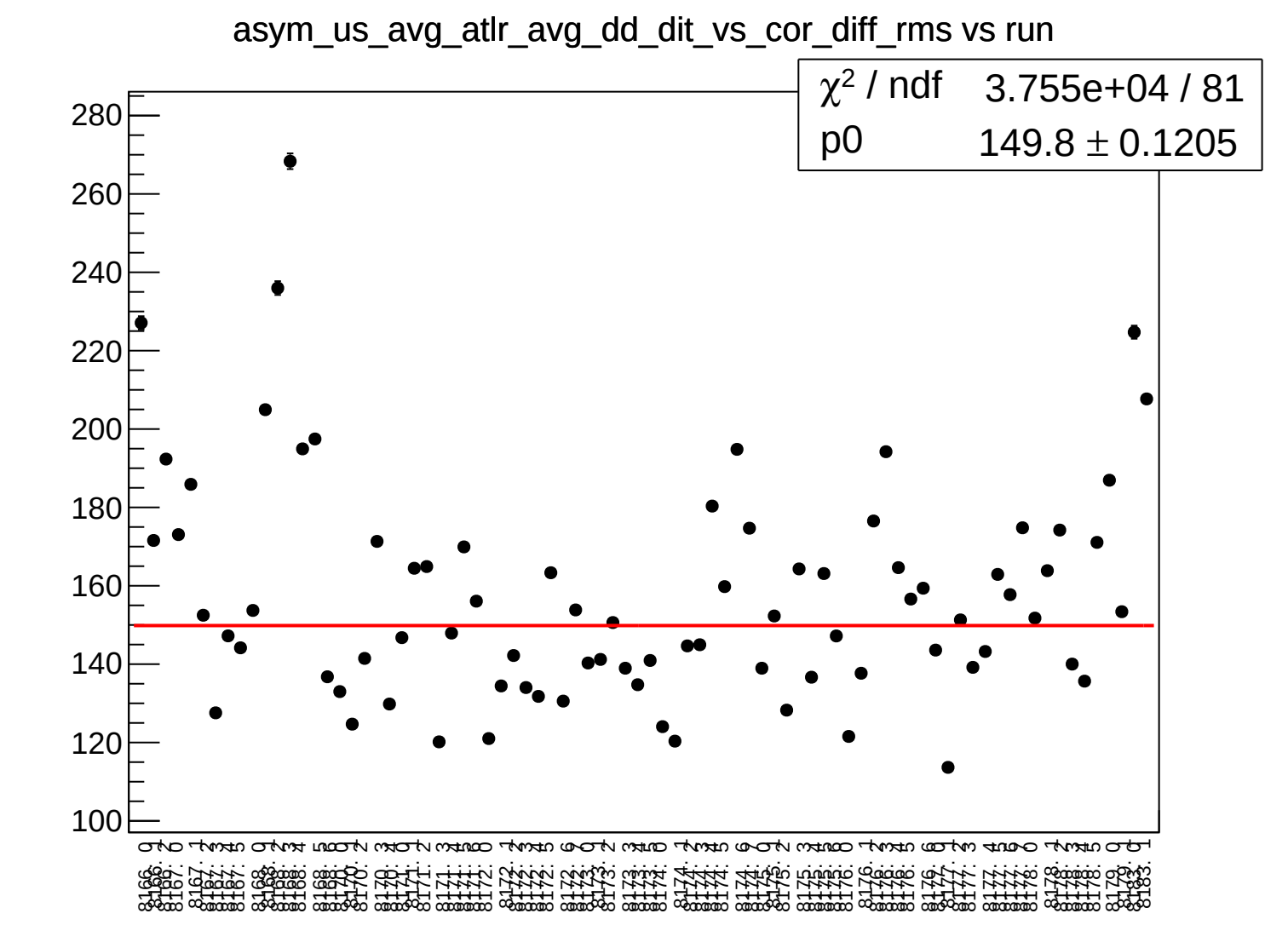

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1042 / 81
p0 4854 ± 3.859
5400
5200
5000
4800
4600

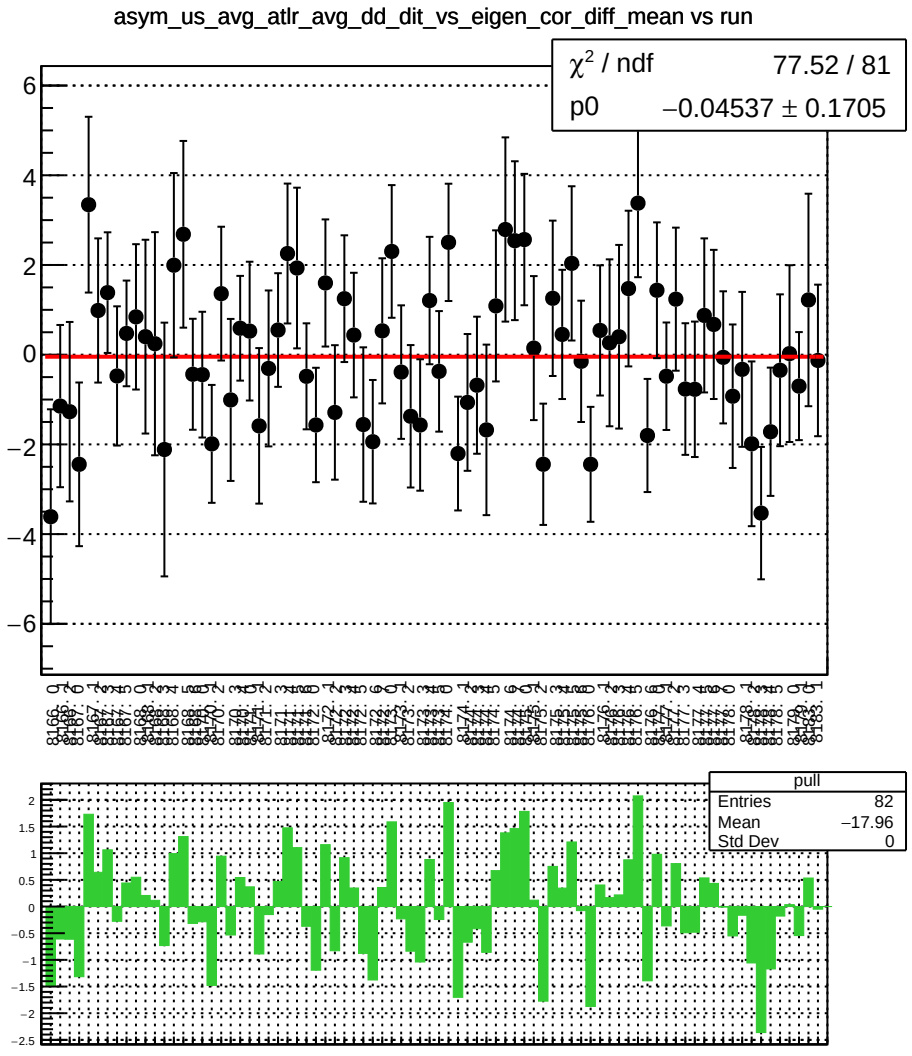

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 99.61 / 81
p0 −1.457e−13 ± 2.117e−13
0.01
0.005
0
−0.005
−0.01
pull
Entries 82
Mean −68.22
Std Dev 0
pull1D
Entries 82
Mean −0.02897
Std Dev 1.102

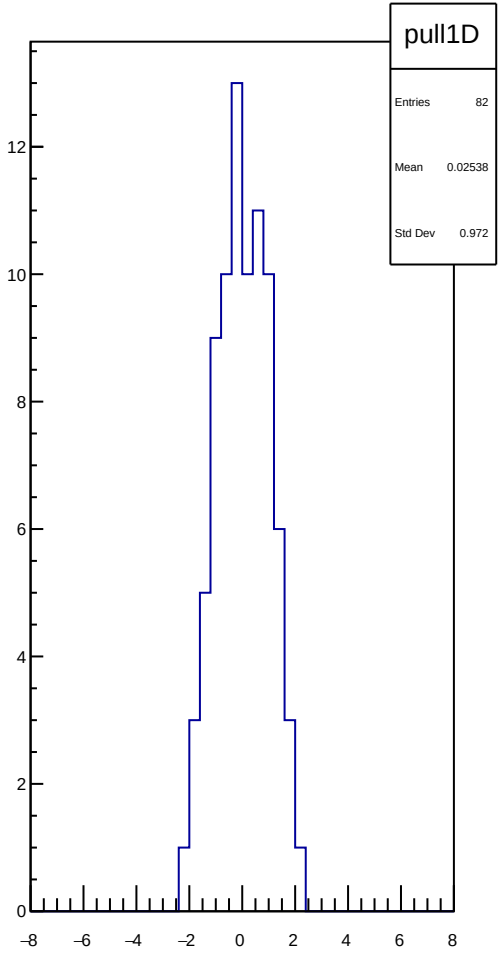

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.281e+06 / 81
p0 8.23e−11 ± 1.497e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

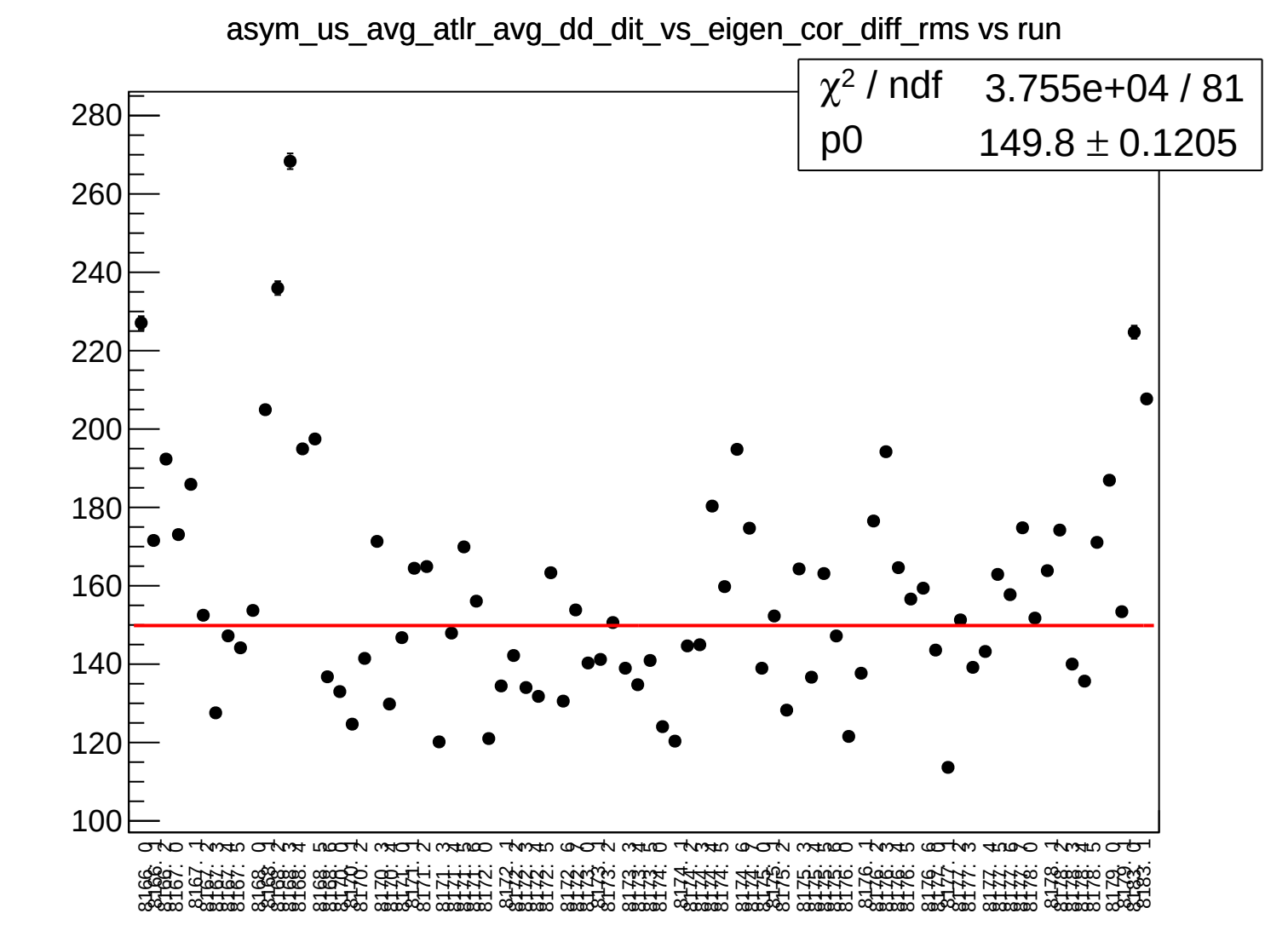

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.52 / 81
p0 −0.04537 ± 0.1705
pull
Entries 82
Mean −17.96
Std Dev 0

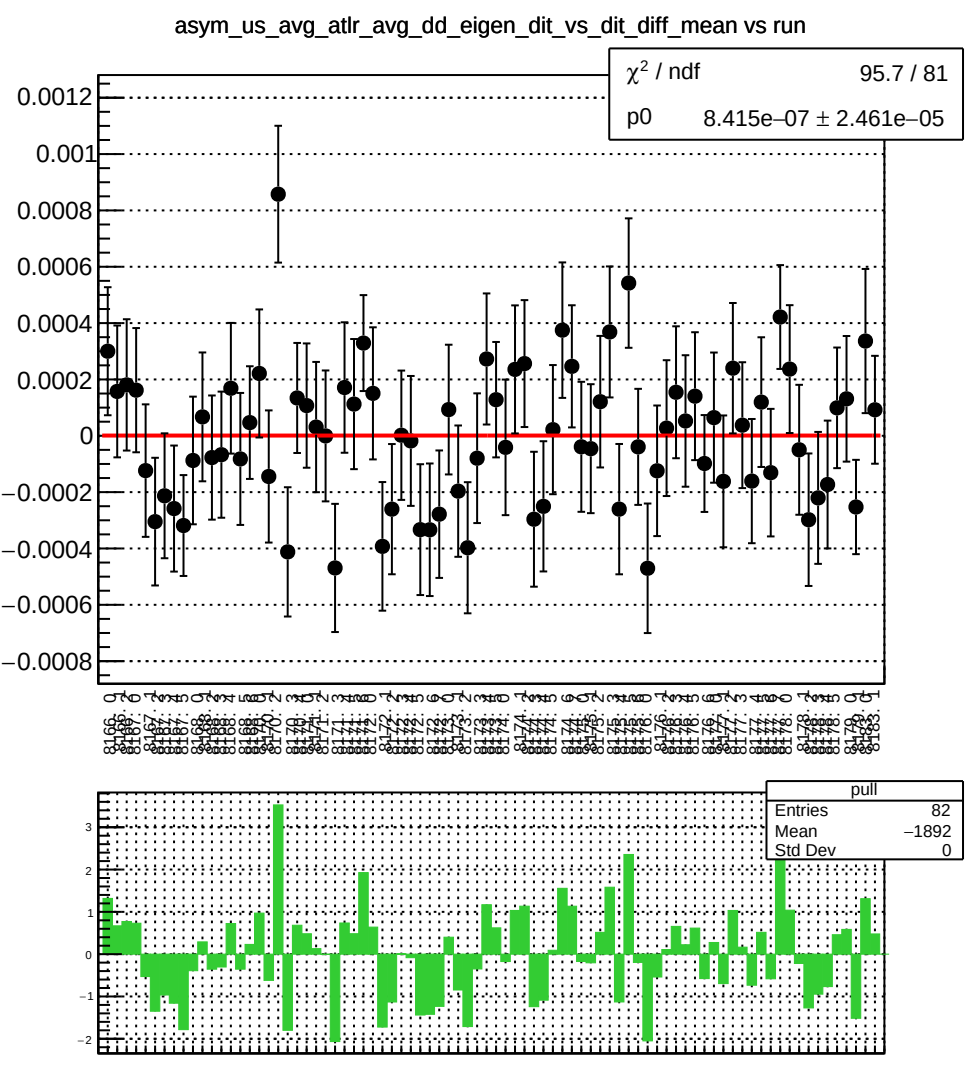

pull1D
Entries 82
Mean 0.02538
Std Dev 0.972

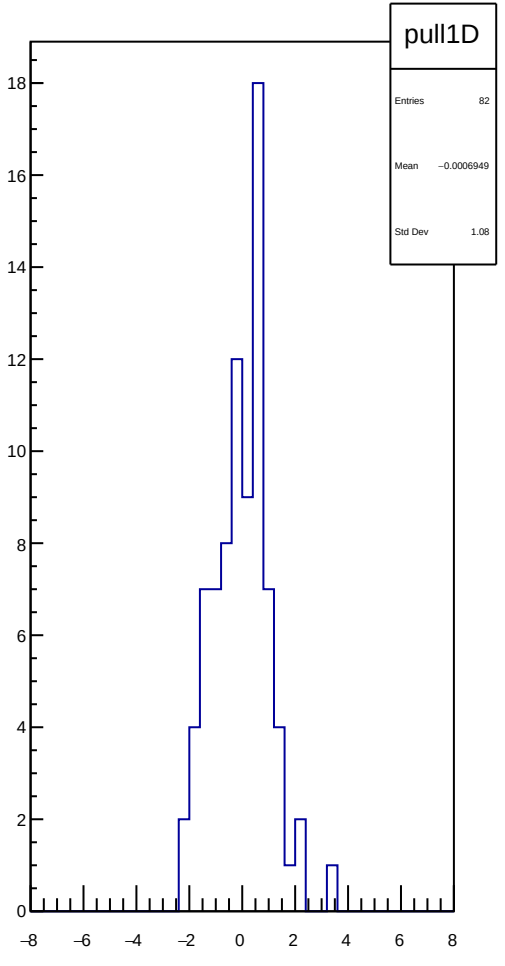

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.755e+04 / 81
p0 149.8 ± 0.1205
280
260
240
220
200
180
160
140
120
100

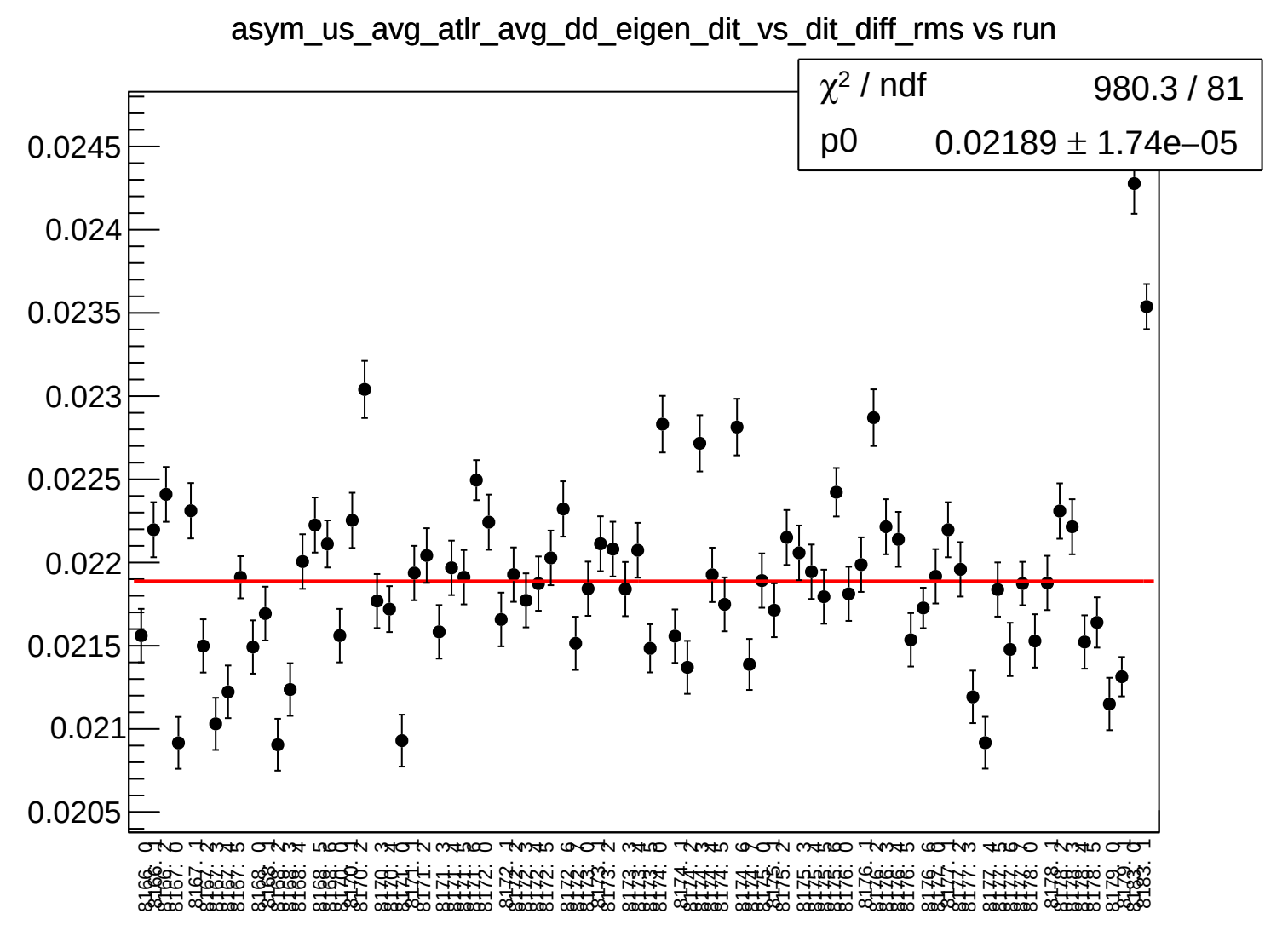

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.52 / 81
p0 −0.04537 ± 0.1705
pull
Entries 82
Mean −17.96
Std Dev 0

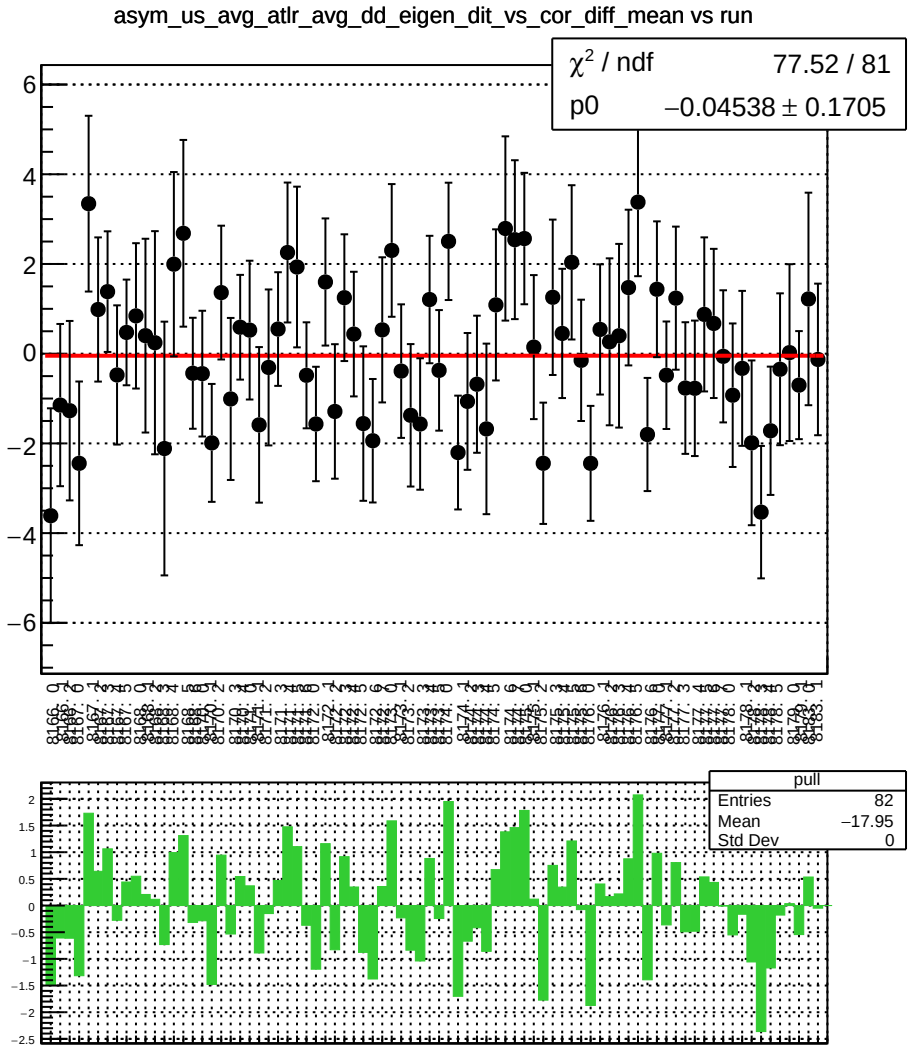

pull1D
Entries 82
Mean 0.02538
Std Dev 0.972

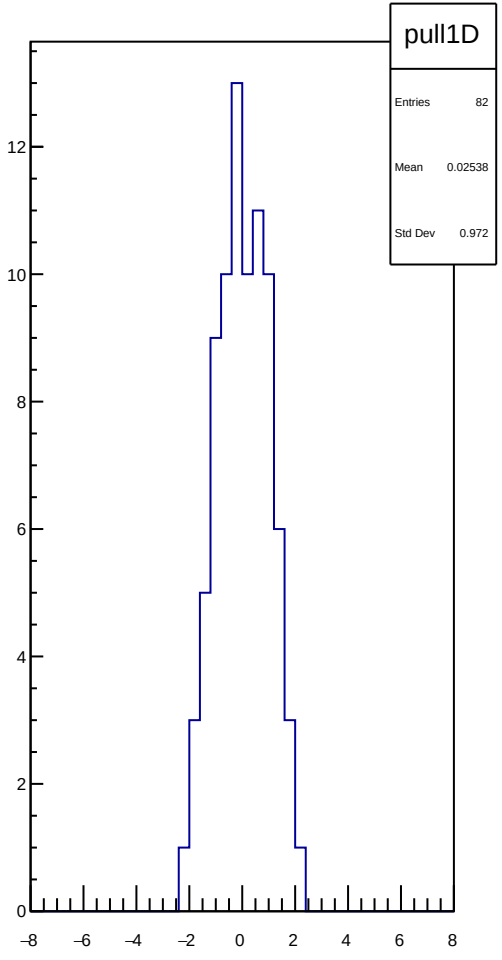

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.755e+04 / 81
p0 149.8 ± 0.1205
280
260
240
220
200
180
160
140
120
100

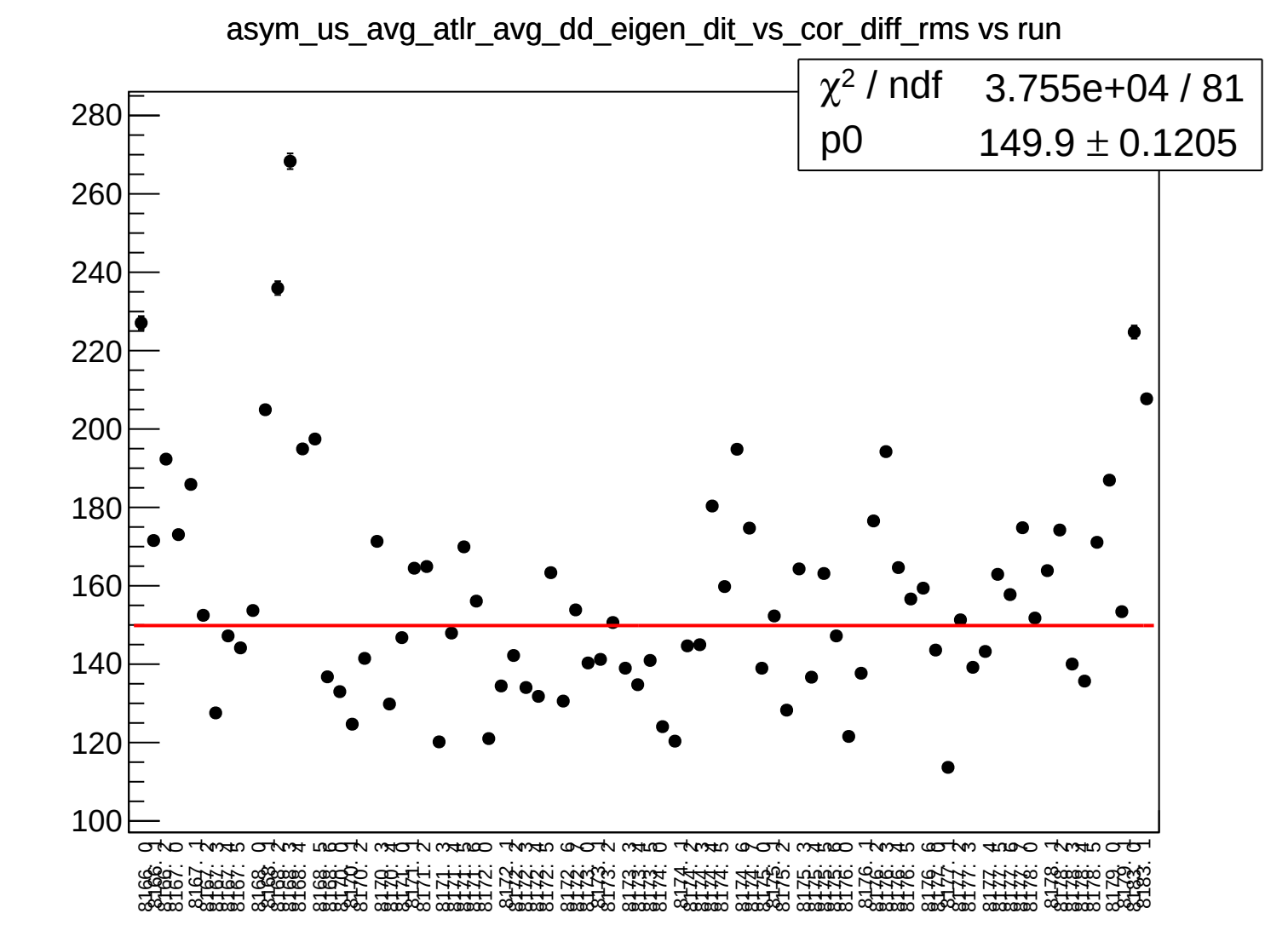

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 95.7 / 81
p0 8.415e−07 ± 2.461e−05
pull
Entries 82
Mean −1892
Std Dev 0

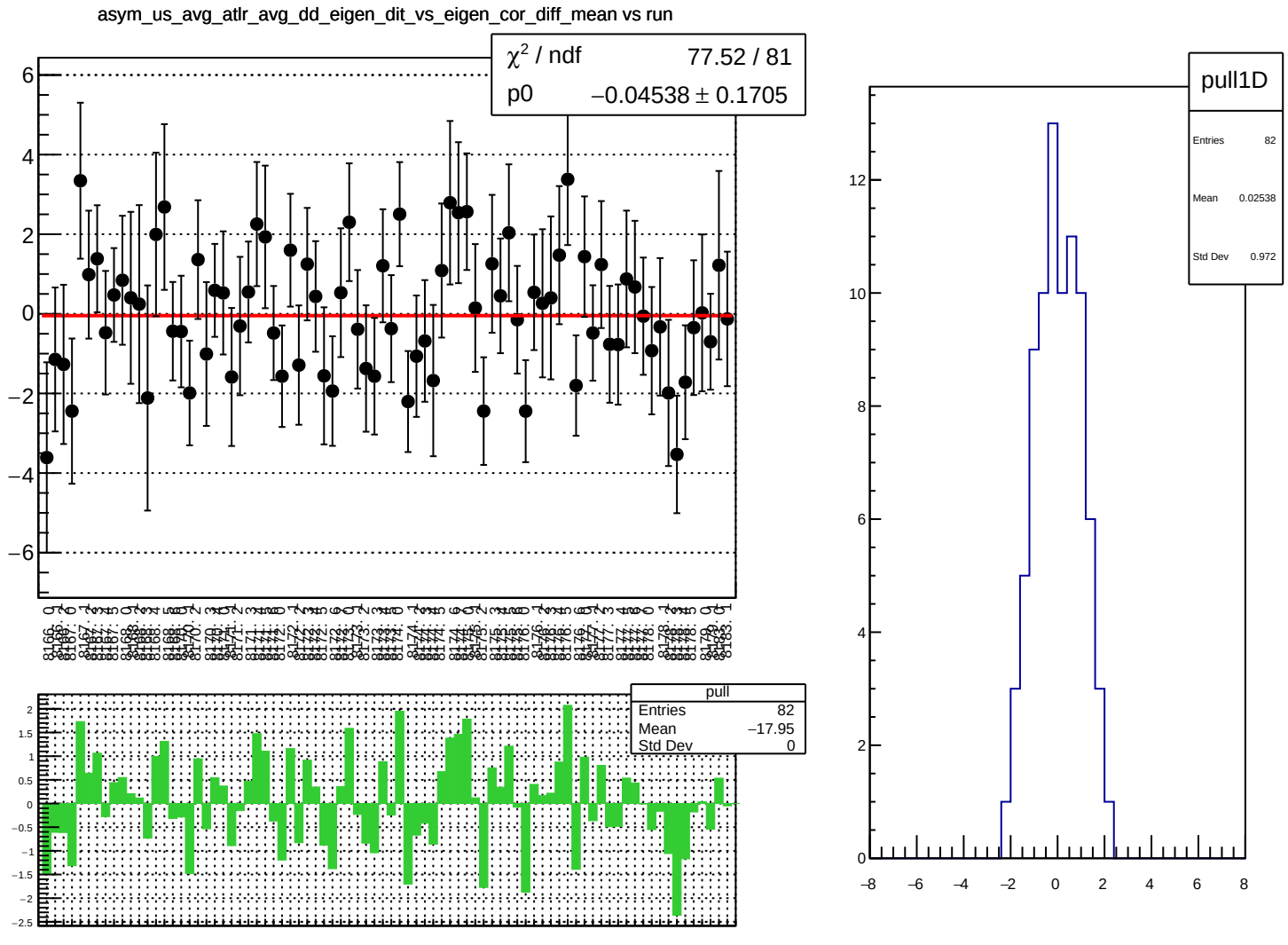

pull1D
Entries 82
Mean −0.0006949
Std Dev 1.08

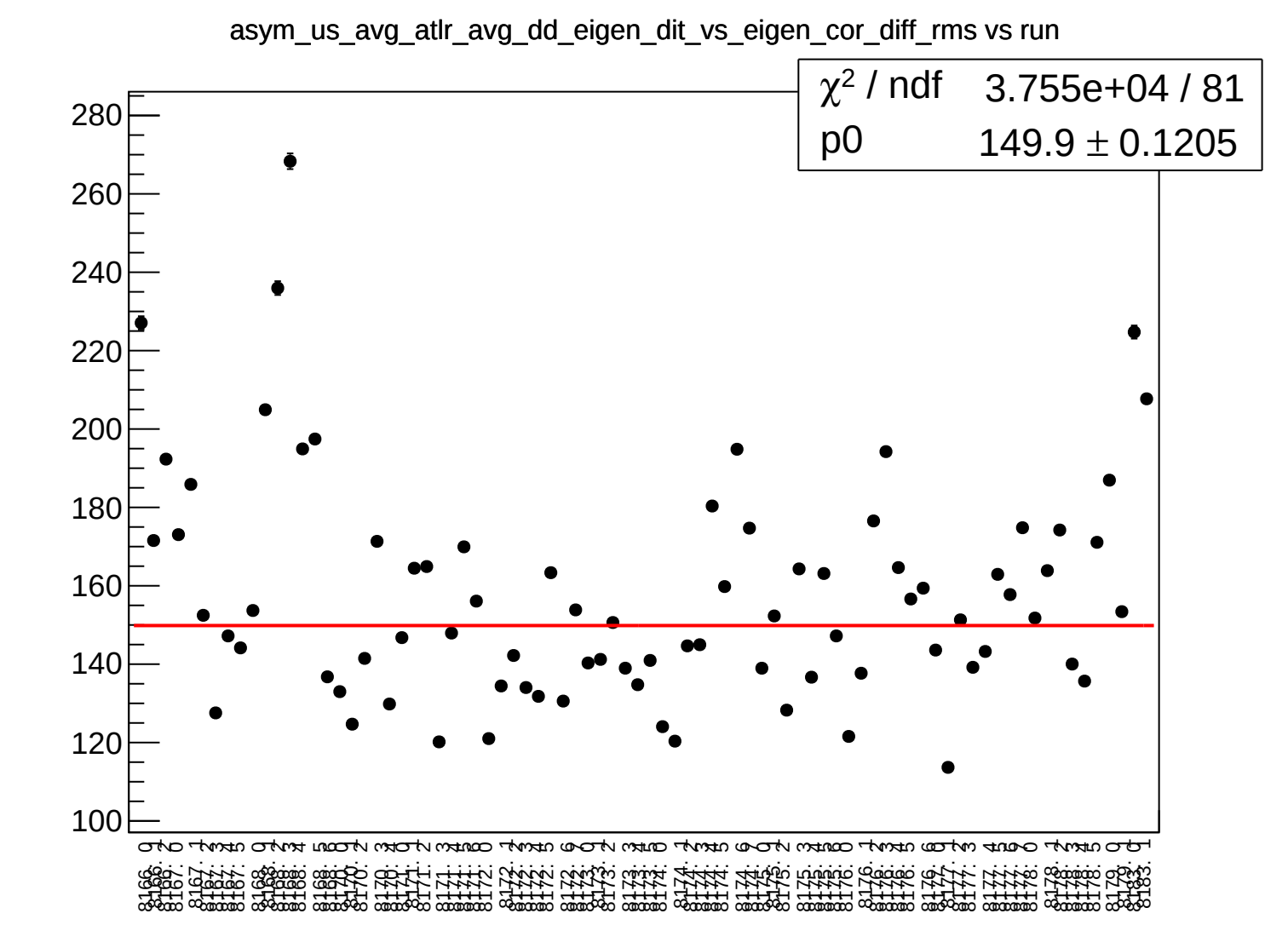

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 980.3 / 81
p0 0.02189 ± 1.74e−05
0.0245
0.024
0.0235
0.023
0.0225
0.022
0.0215
0.021
0.0205

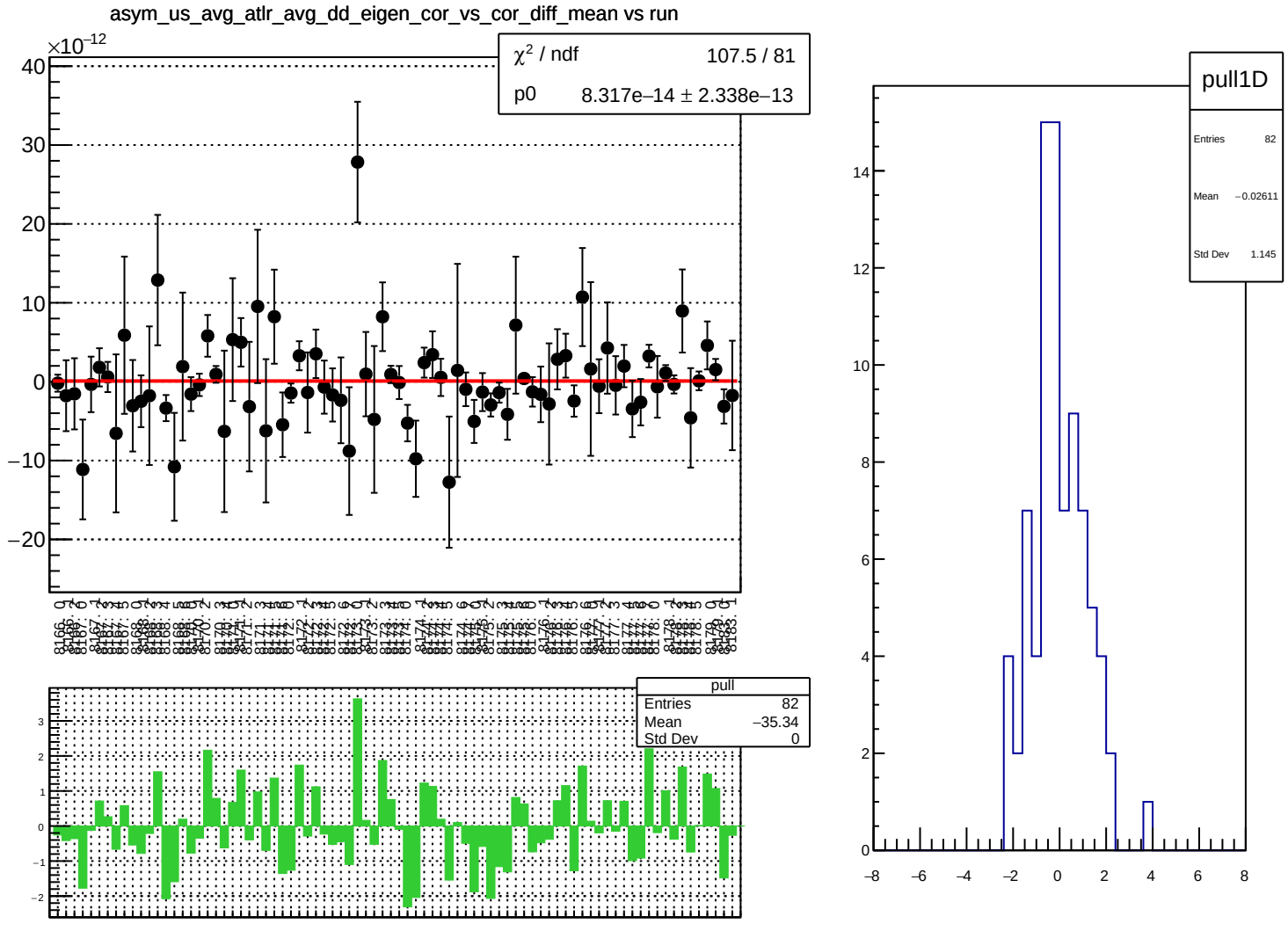

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.52 / 81
p0 −0.04538 ± 0.1705
pull
Entries 82
Mean −17.95
Std Dev 0

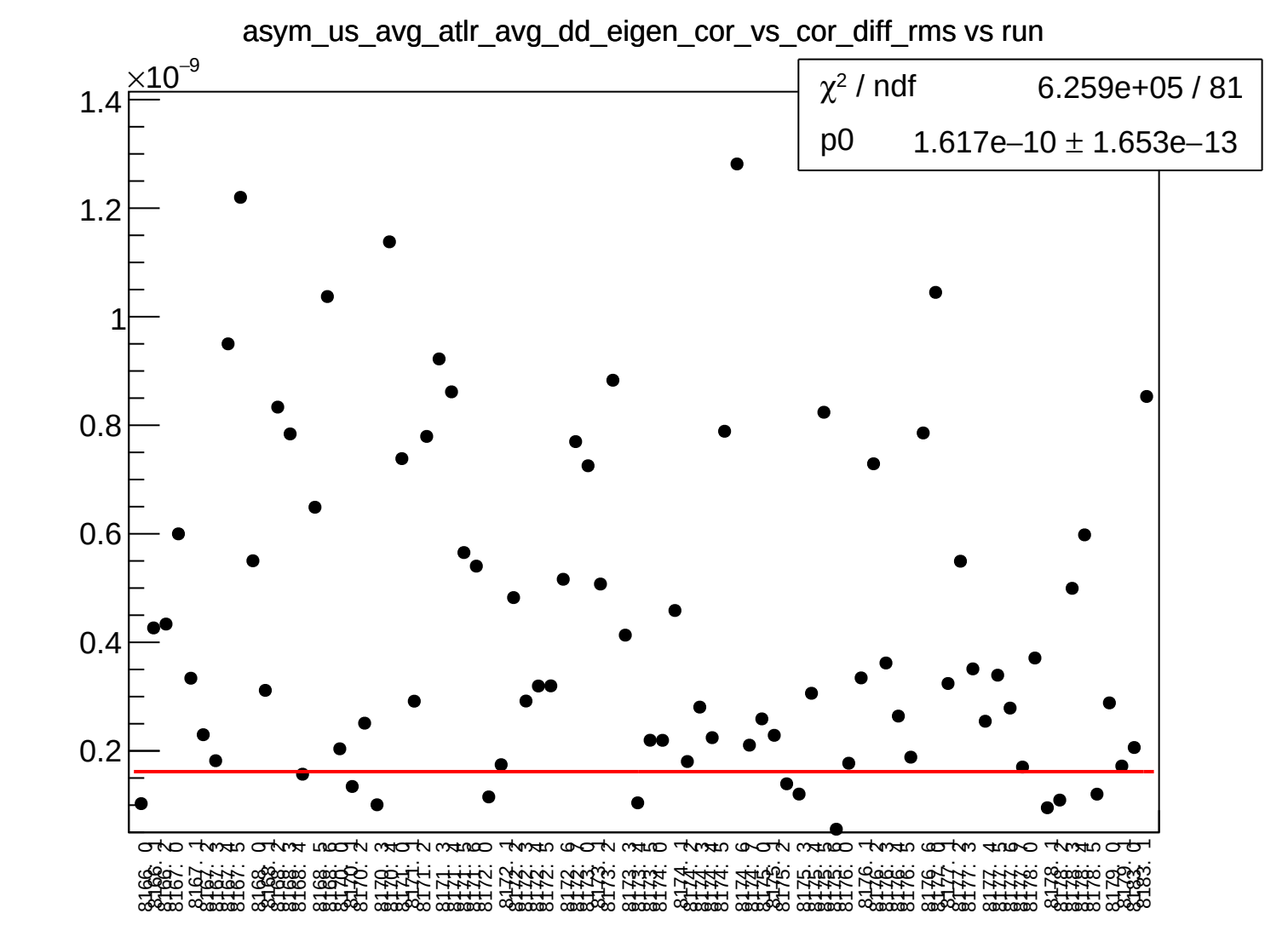

pull1D
Entries 82
Mean 0.02538
Std Dev 0.972

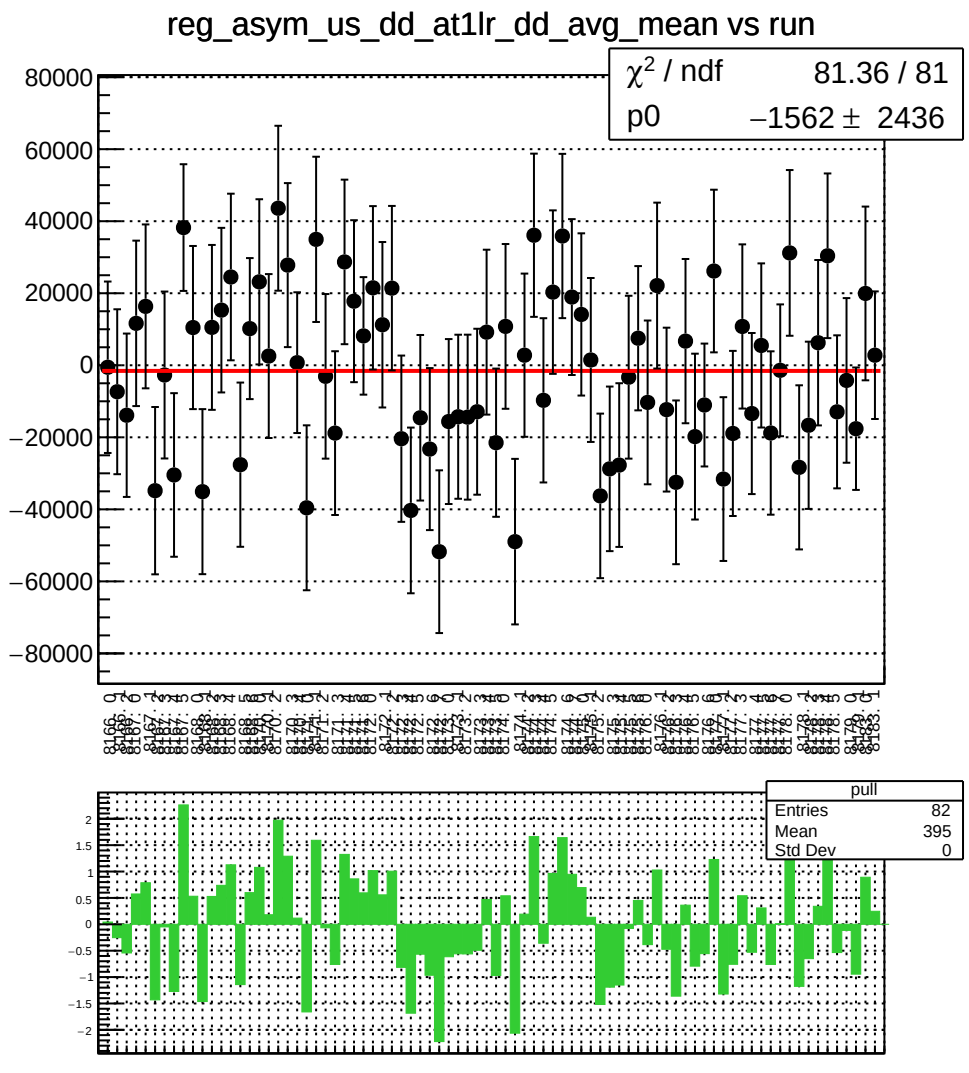

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.755e+04 / 81
p0 149.9 ± 0.1205
280
260
240
220
200
180
160
140
120
100

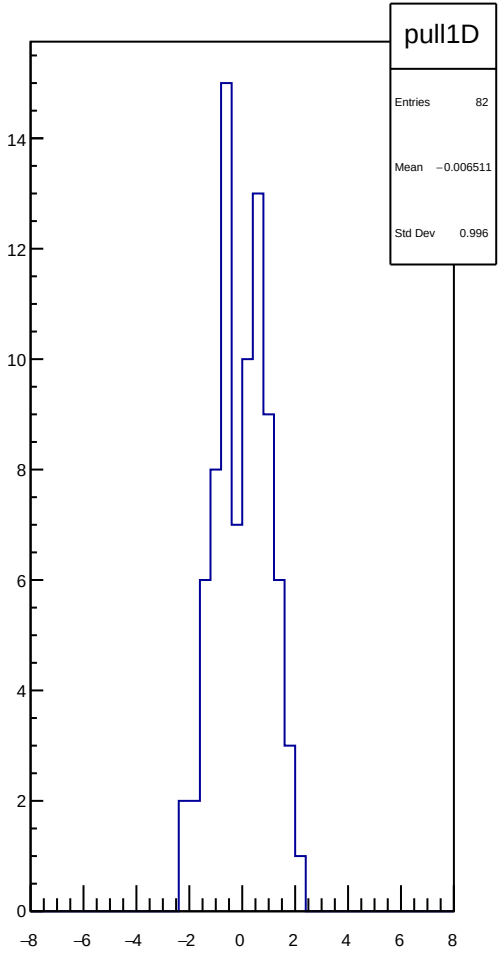

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.52 / 81
p0 −0.04538 ± 0.1705
pull
Entries 82
Mean −17.95
Std Dev 0
pull1D
Entries 82
Mean 0.02538
Std Dev 0.972

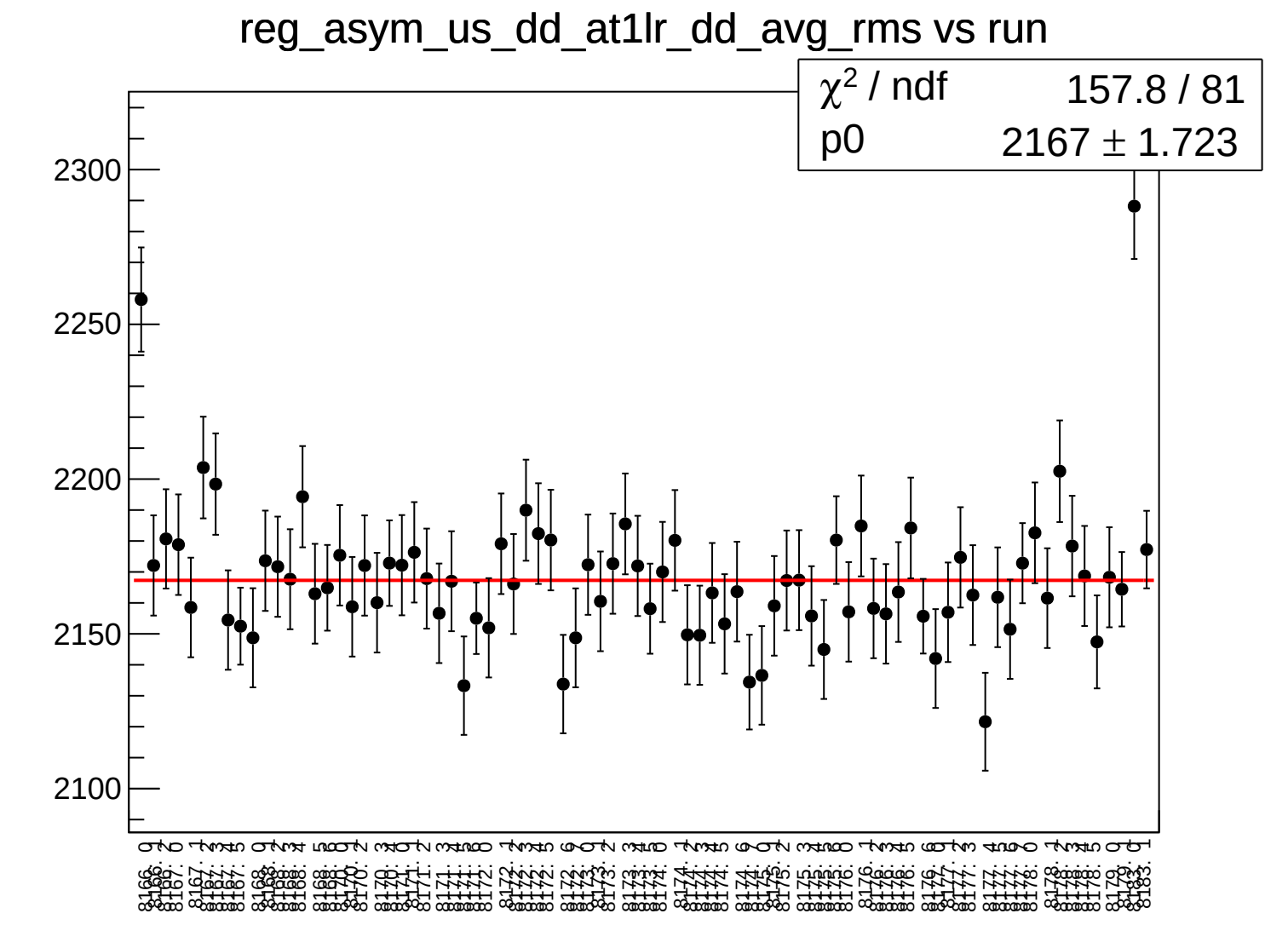

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.755e+04 / 81
p0 149.9 ± 0.1205
280
260
240
220
200
180
160
140
120
100

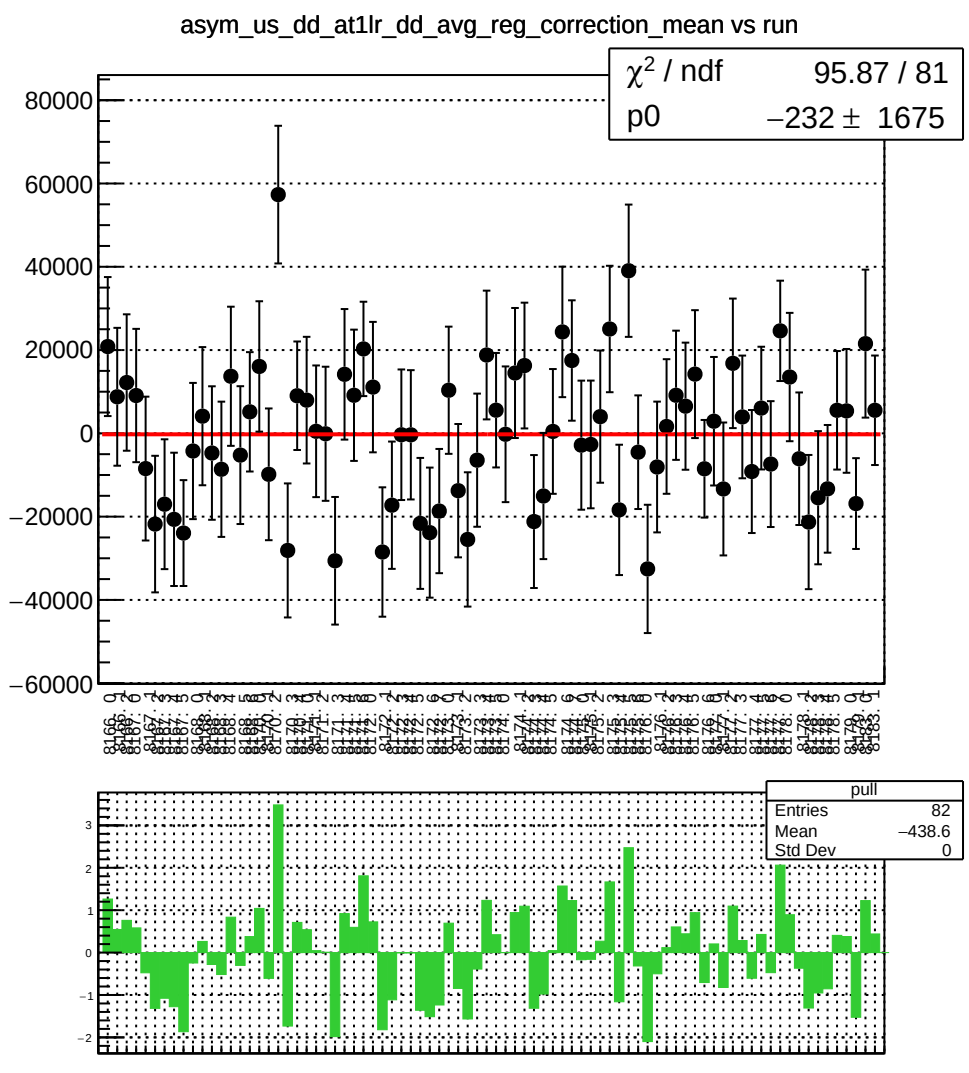

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 107.5 / 81
p0 8.317e−14 ± 2.338e−13
pull
Entries 82
Mean −35.34
Std Dev 0
pull1D
Entries 82
Mean −0.02611
Std Dev 1.145

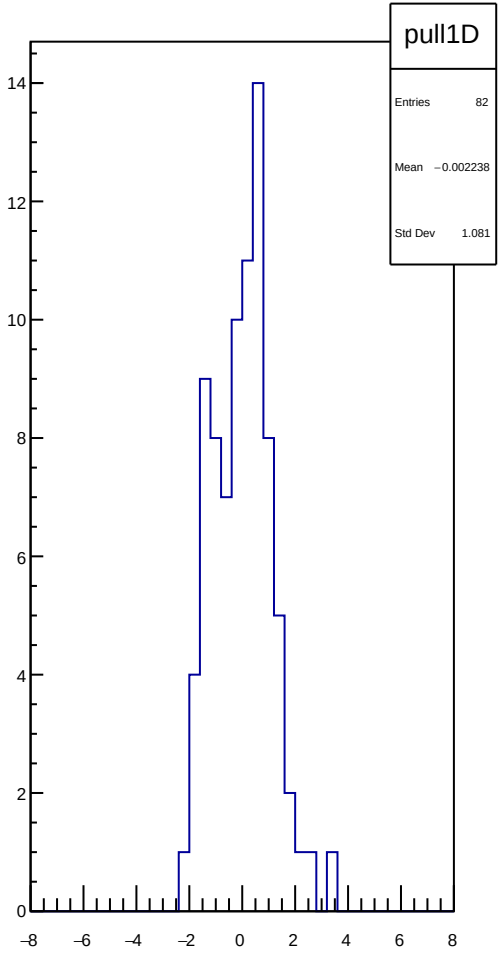

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.259e+05 / 81
p0 1.617e−10 ± 1.653e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

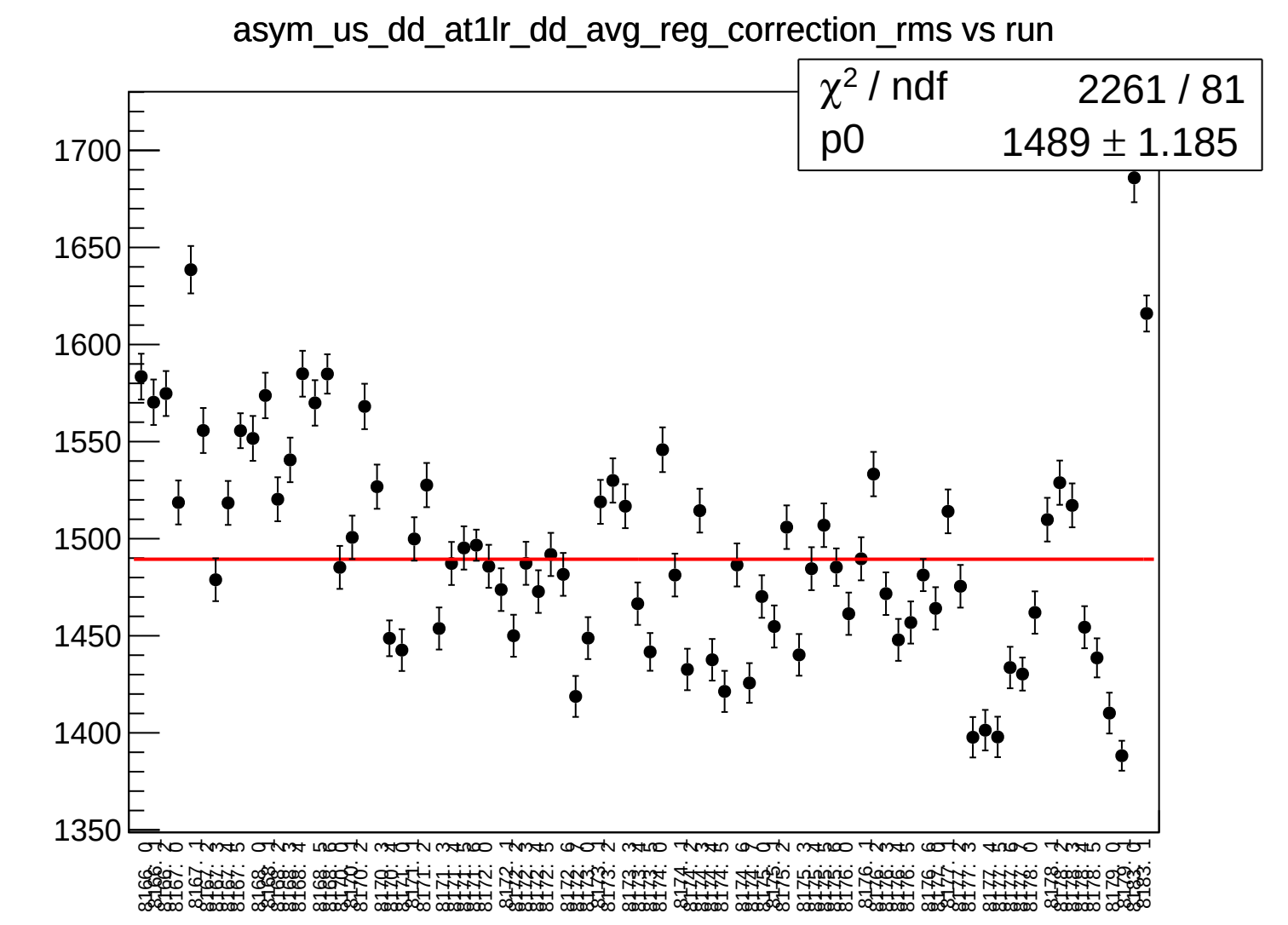

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 81.36 / 81
p0 −1562 ± 2436
pull
Entries 82
Mean 395
Std Dev 0

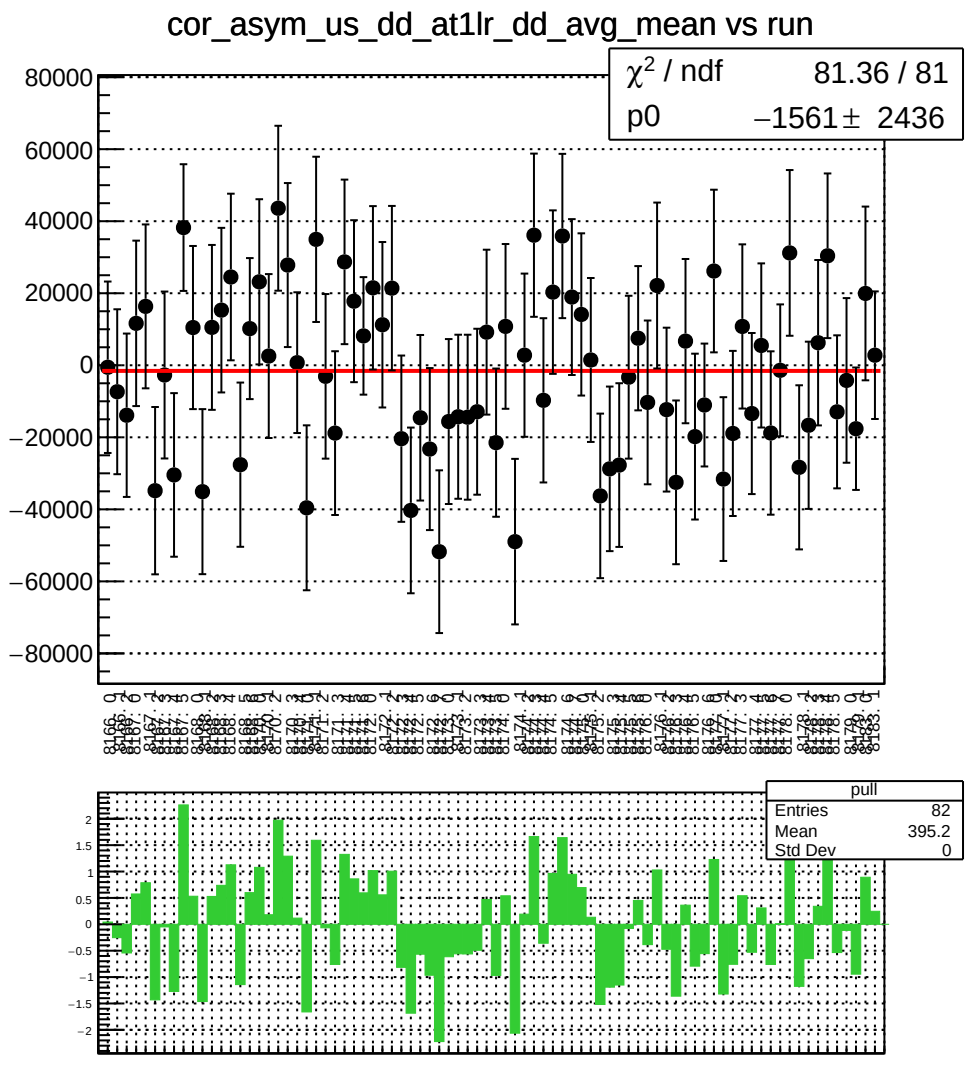

pull1D
Entries 82
Mean −0.006511
Std Dev 0.996

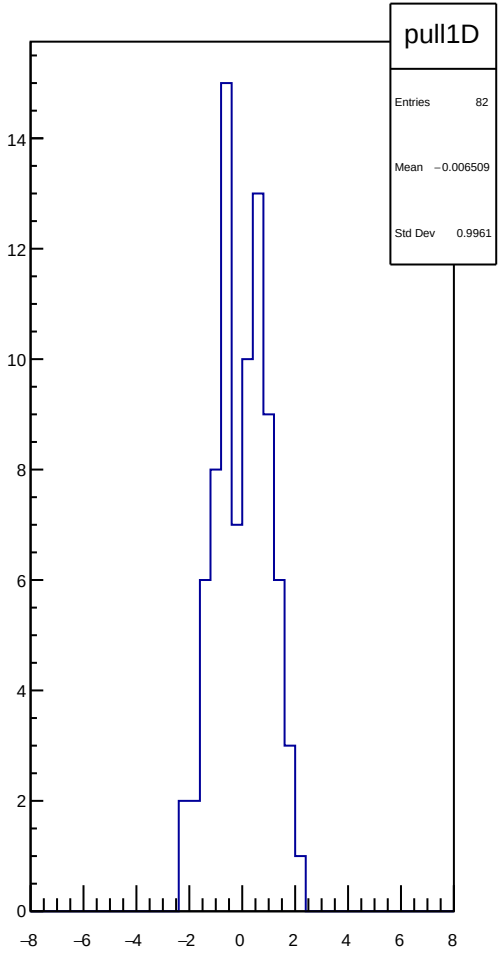

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 157.8 / 81
p0 2167 ± 1.723
2300
2250
2200
2150
2100

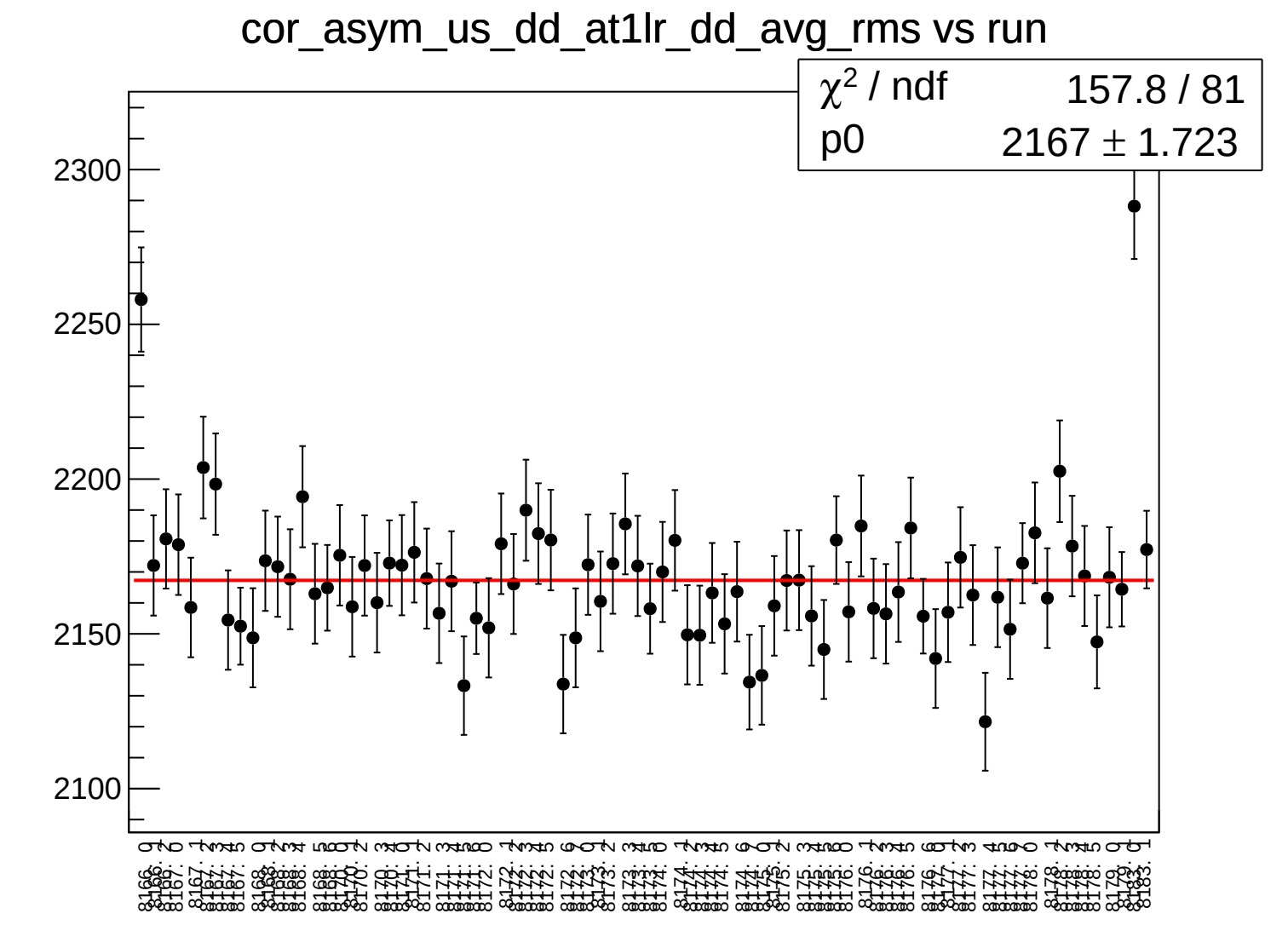

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 95.87 / 81
p0 −232 ± 1675
pull
Entries 82
Mean −438.6
Std Dev 0

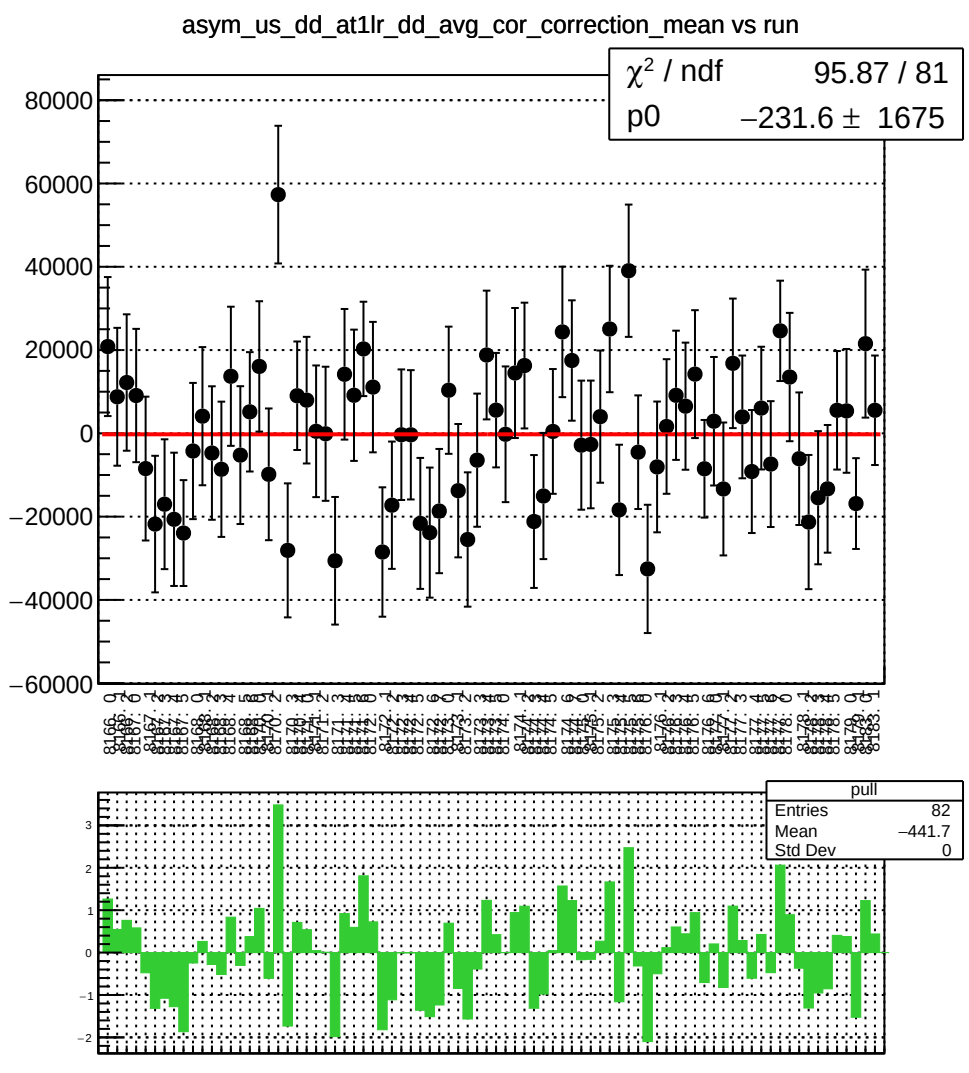

pull1D
Entries 82
Mean −0.002238
Std Dev 1.081

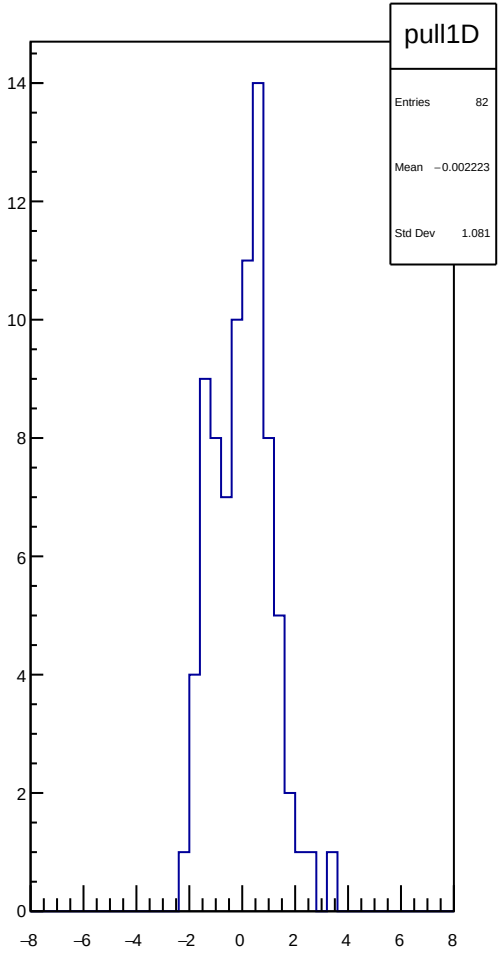

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 2261 / 81
p0 1489 ± 1.185
1700
1650
1600
1550
1500
1450
1400
1350

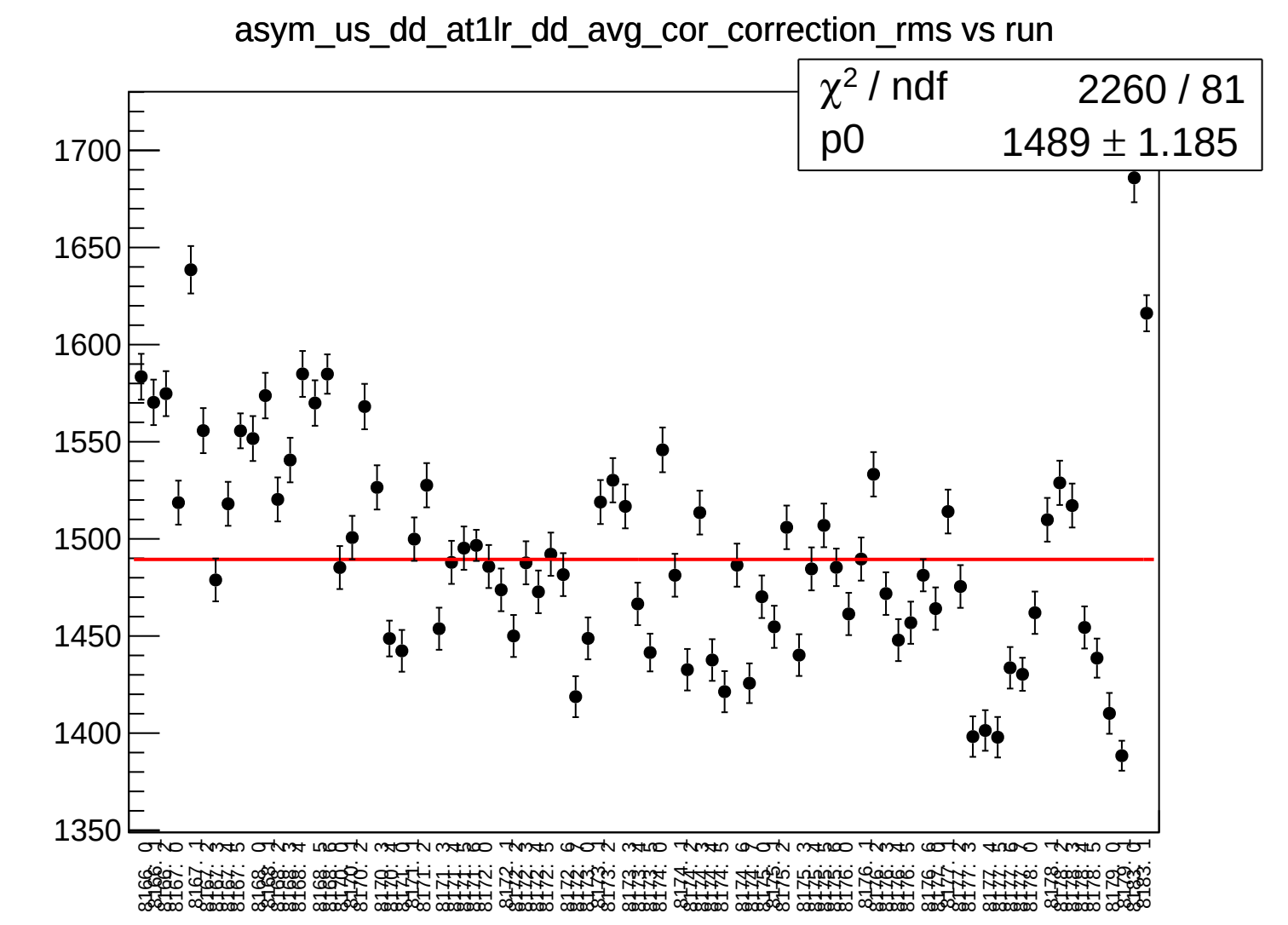

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 81.36 / 81
p0 −1561 ± 2436
pull
Entries 82
Mean 395.2
Std Dev 0

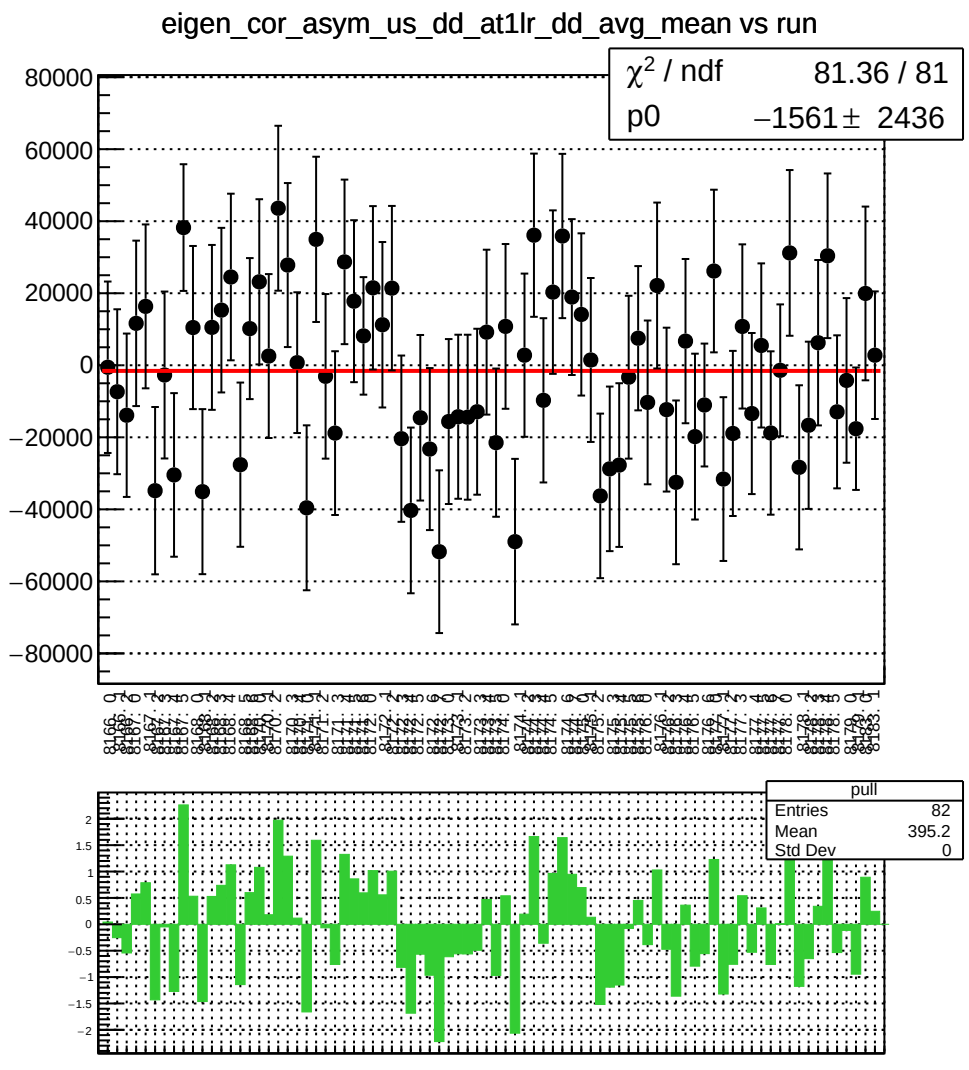

pull1D
Entries 82
Mean −0.006509
Std Dev 0.9961

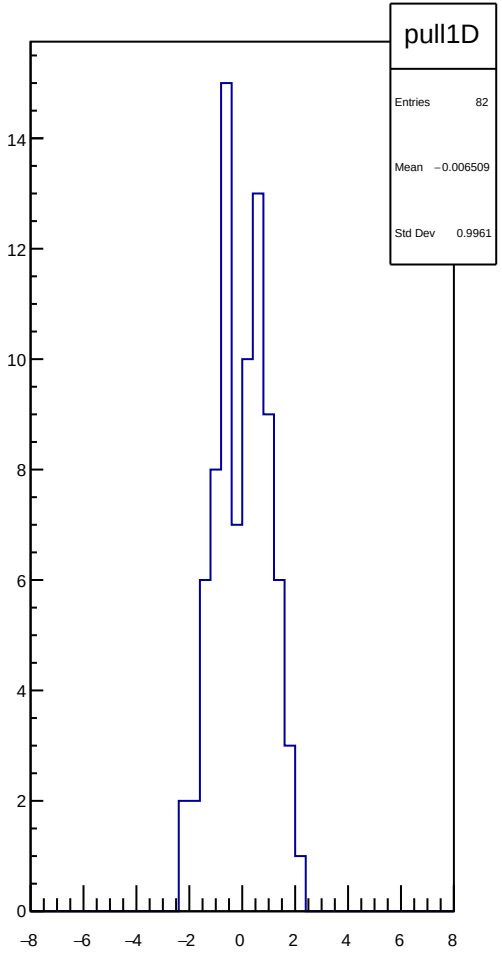

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 157.8 / 81
p0 2167 ± 1.723
2300
2250
2200
2150
2100

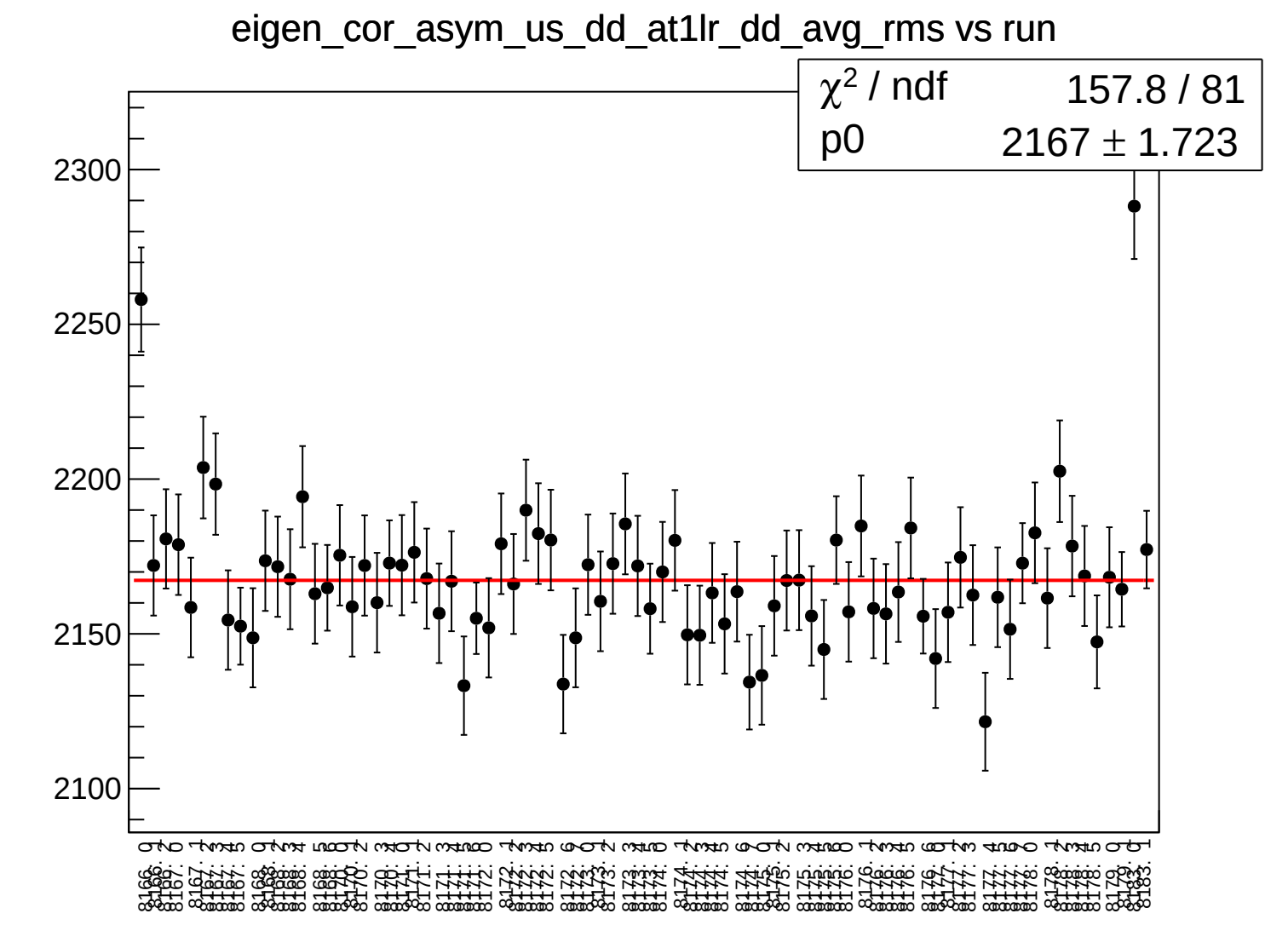

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 95.87 / 81
p0 −231.6 ± 1675
pull
Entries 82
Mean −441.7
Std Dev 0

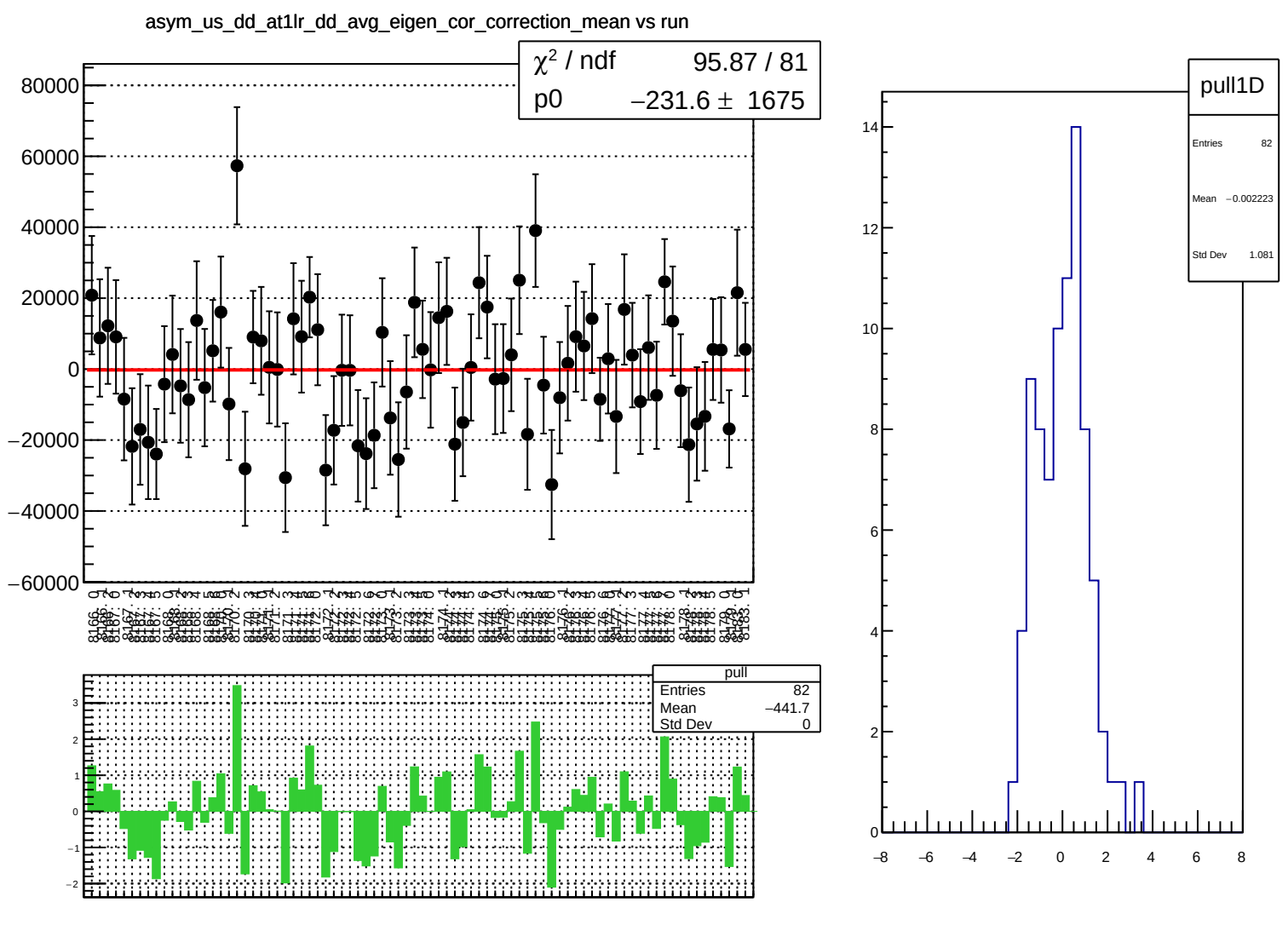

pull1D
Entries 82
Mean −0.002223
Std Dev 1.081

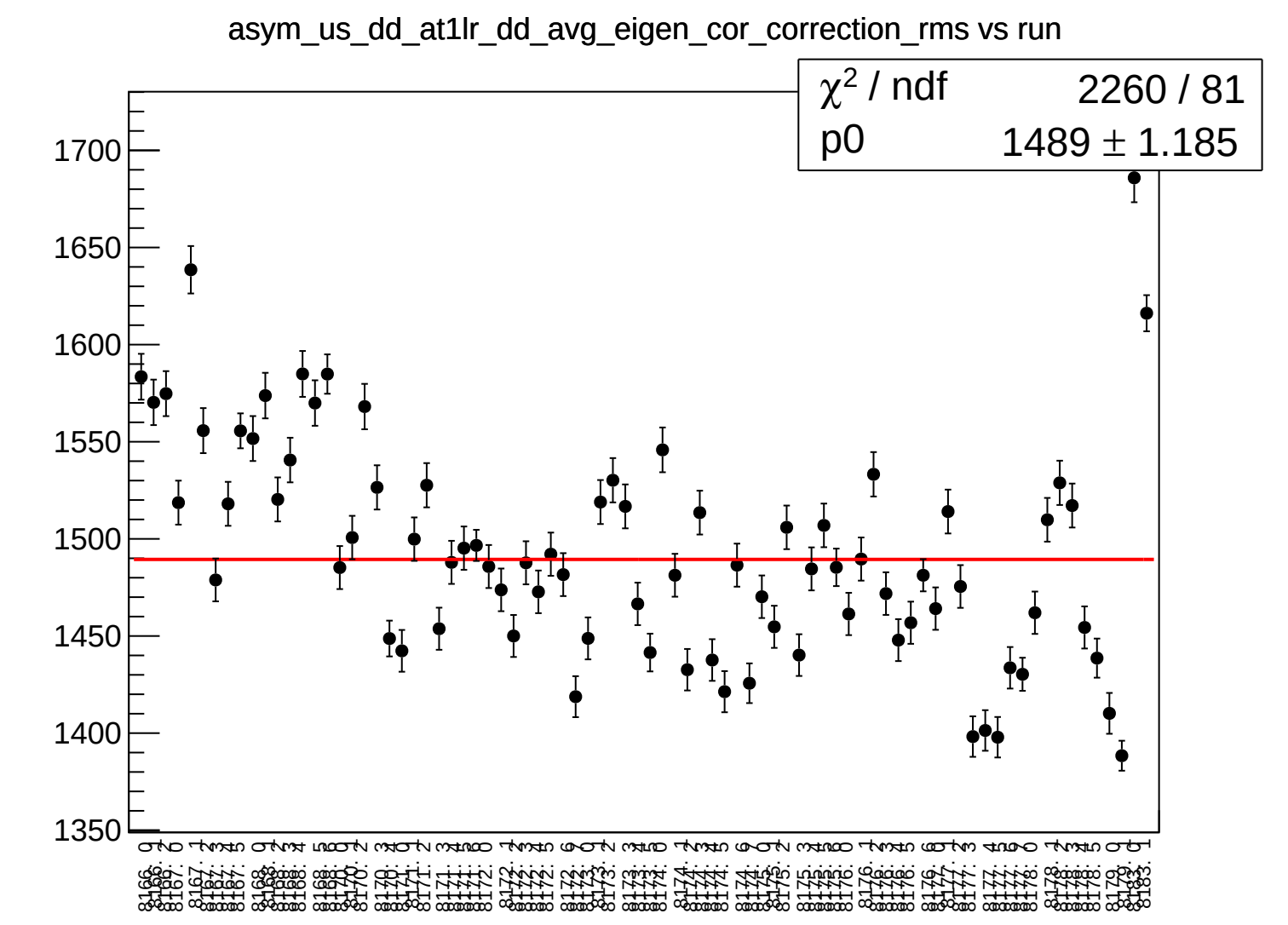

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 2260 / 81
p0 1489 ± 1.185
1700
1650
1600
1550
1500
1450
1400
1350

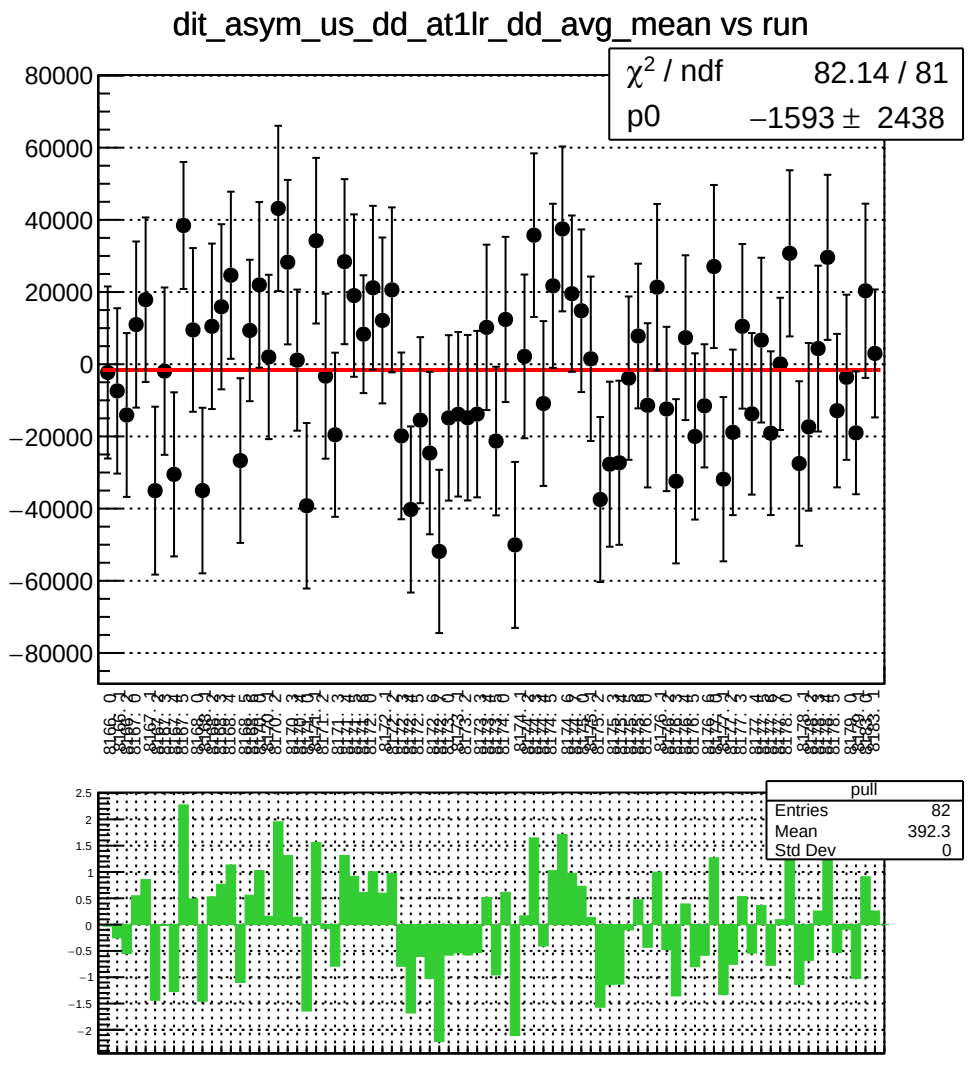

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 81.36 / 81
p0 −1561 ± 2436
pull
Entries 82
Mean 395.2
Std Dev 0

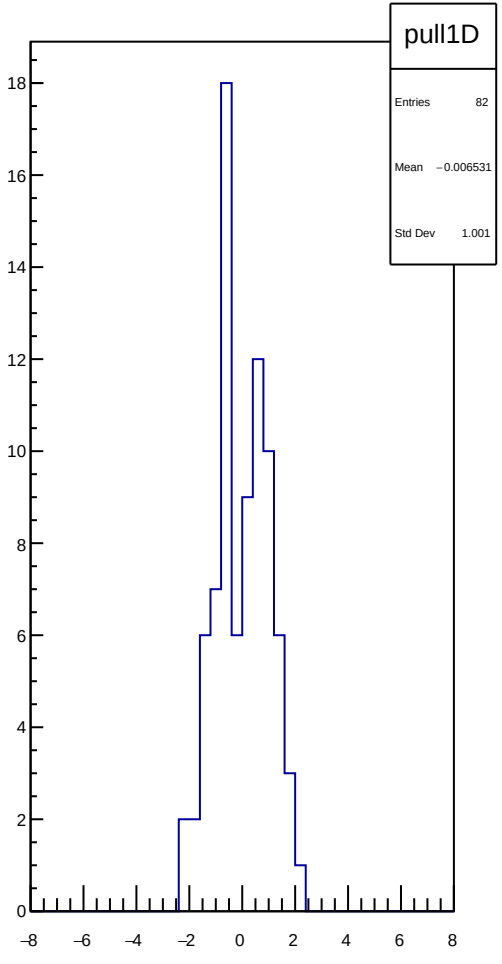

pull1D
Entries 82
Mean −0.006509
Std Dev 0.9961

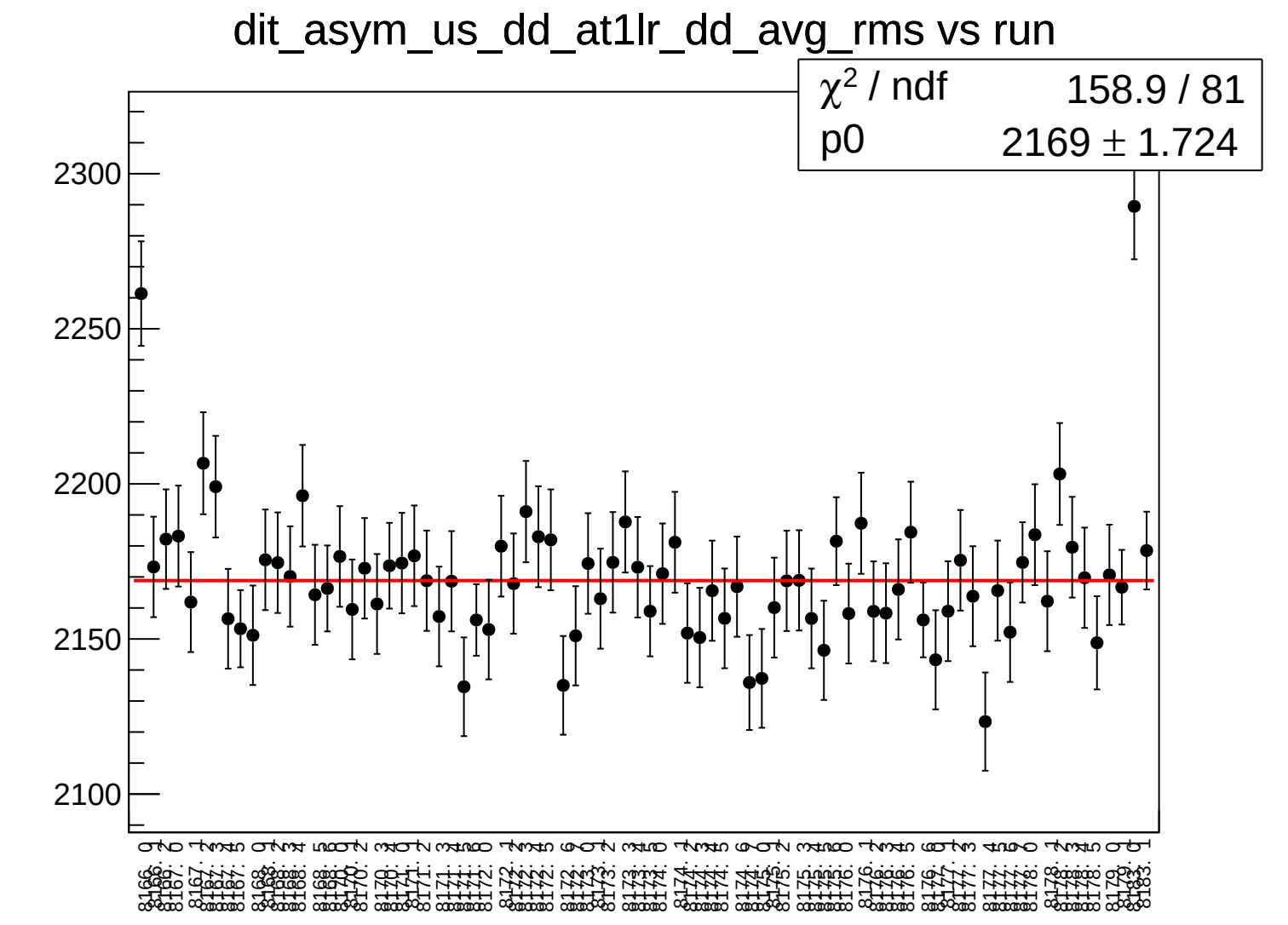

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 157.8 / 81
p0 2167 ± 1.723
2300
2250
2200
2150
2100

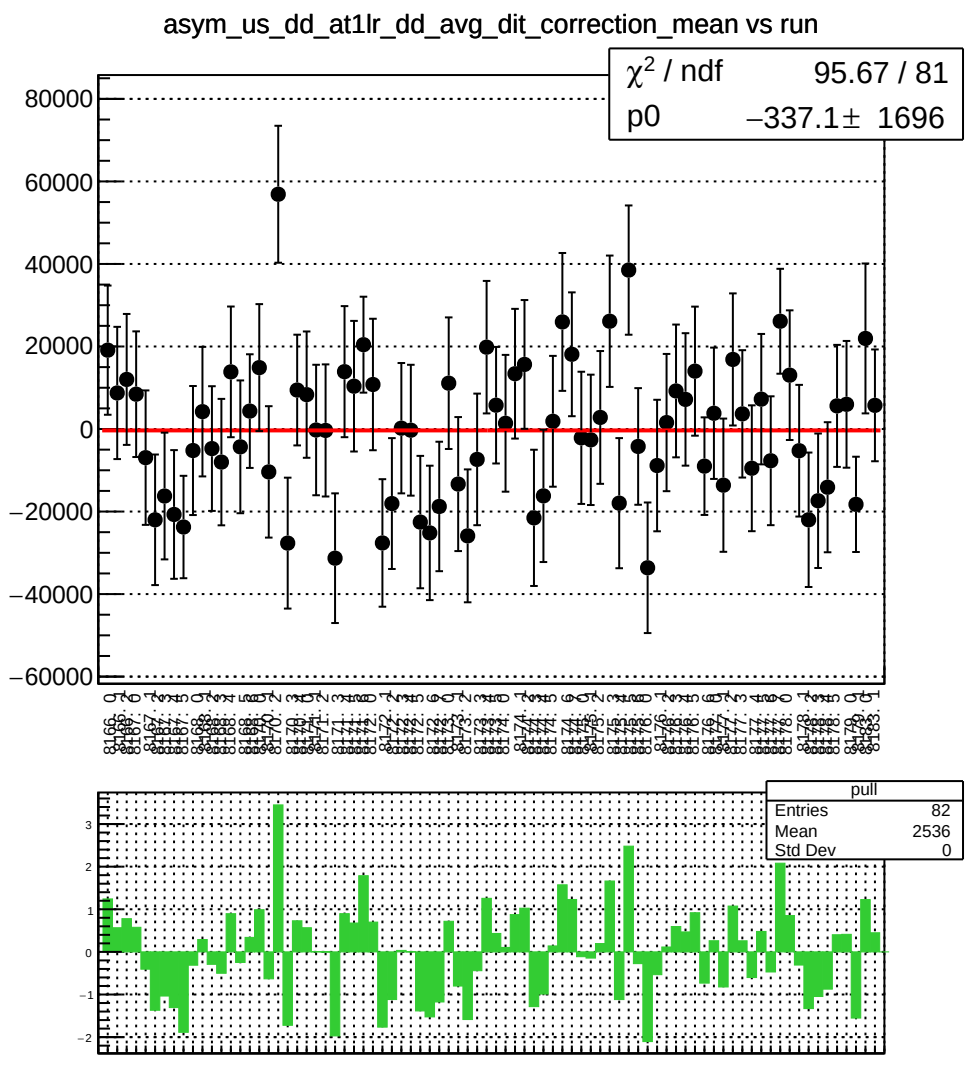

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 95.87 / 81
p0 −231.6 ± 1675
pull
Entries 82
Mean −441.7
Std Dev 0
pull1D
Entries 82
Mean −0.002223
Std Dev 1.081

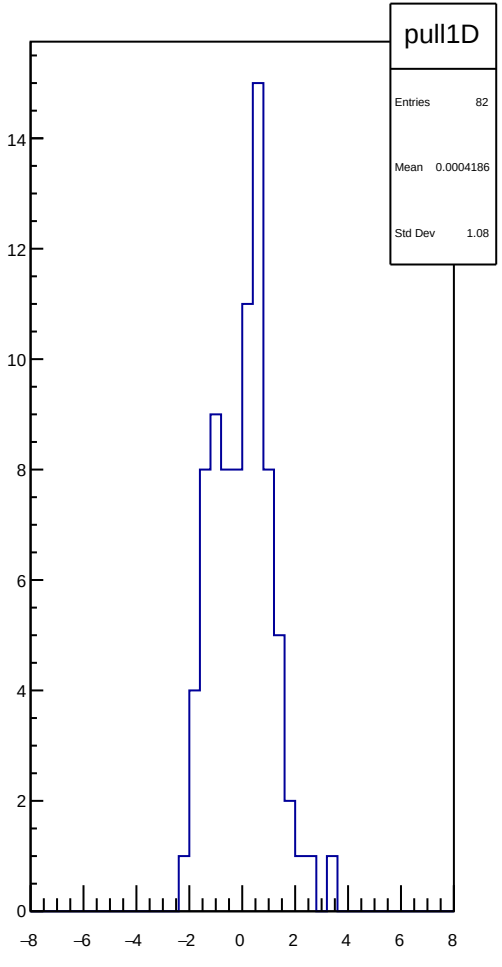

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2260 / 81
p0 1489 ± 1.185
1700
1650
1600
1550
1500
1450
1400
1350

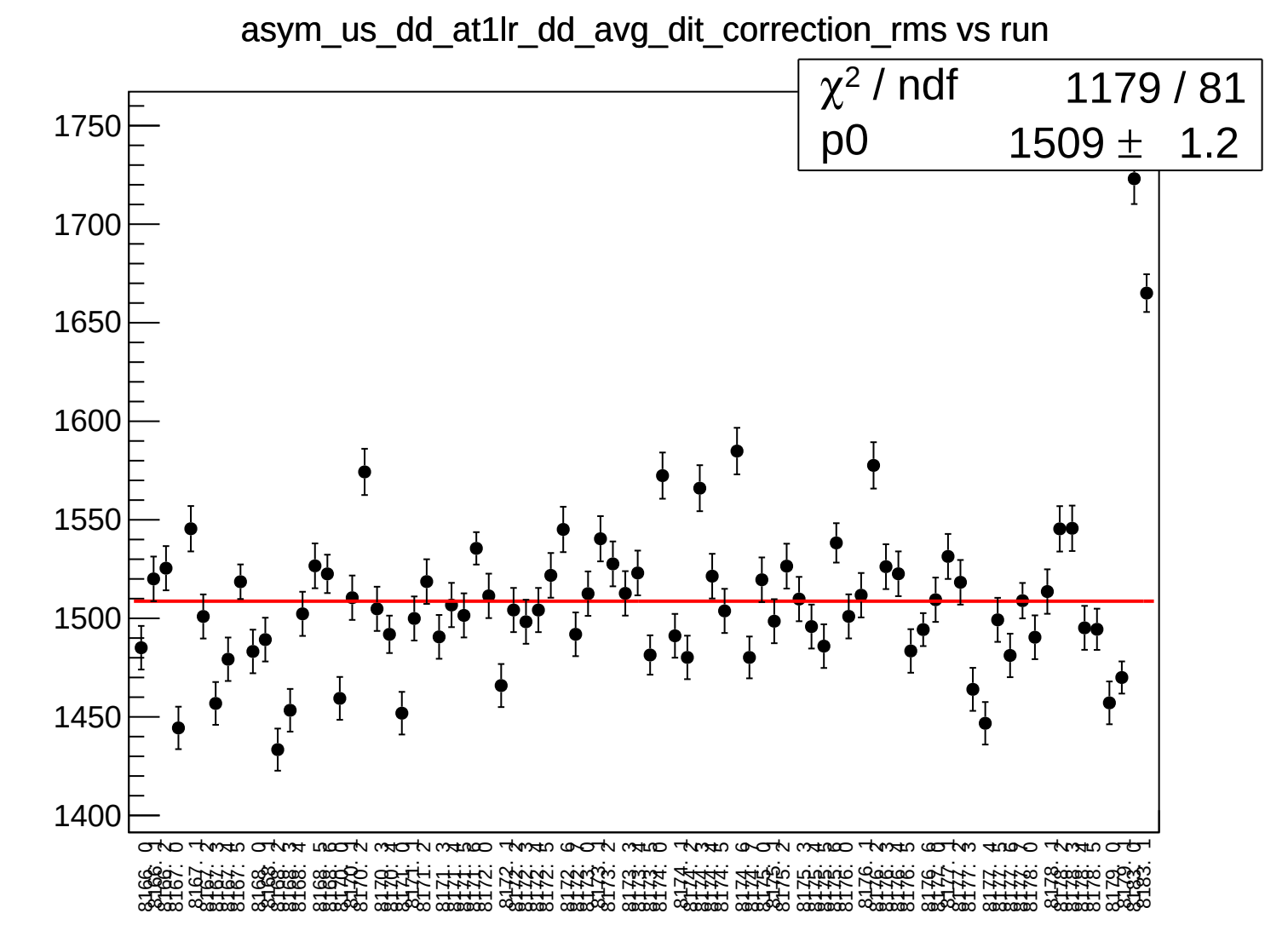

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 82.14 / 81
p0 −1593 ± 2438
pull
Entries 82
Mean 392.3
Std Dev 0

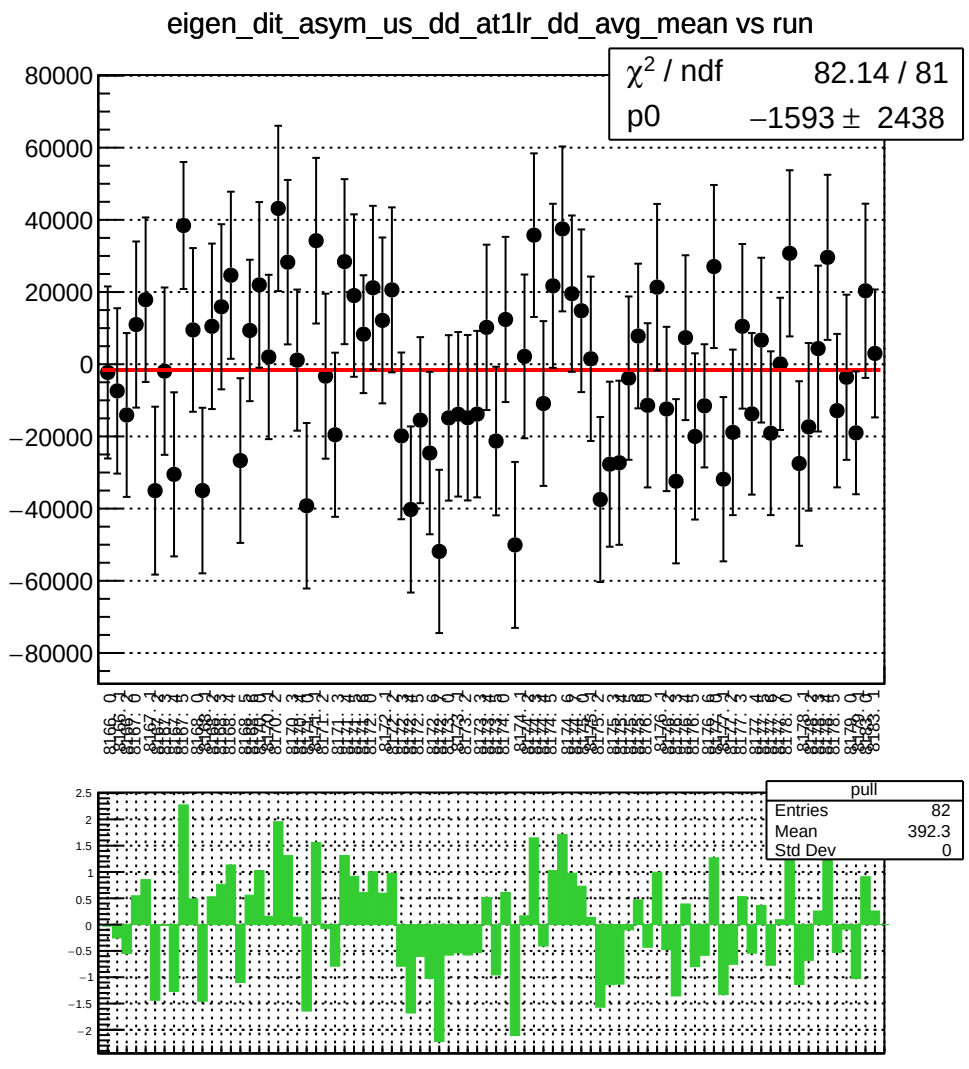

pull1D
Entries 82
Mean −0.006531
Std Dev 1.001

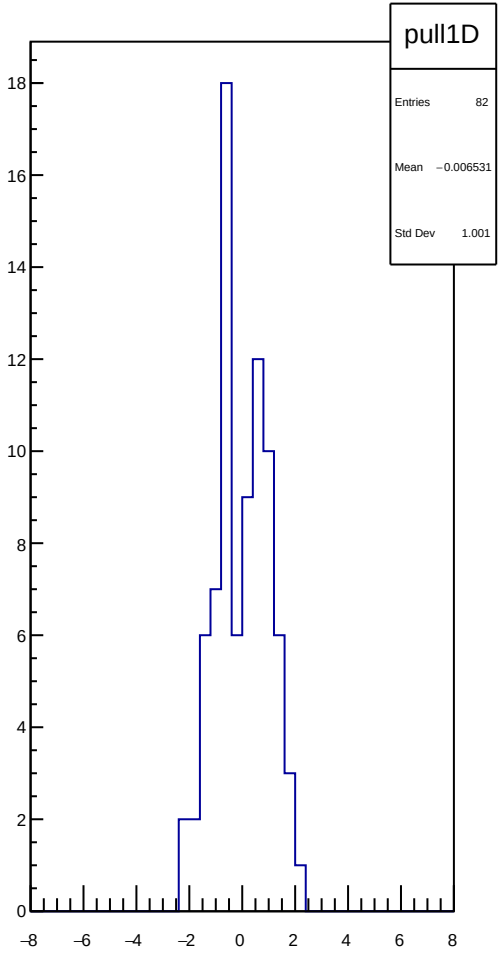

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 158.9 / 81
p0 2169 ± 1.724
2300
2250
2200
2150
2100

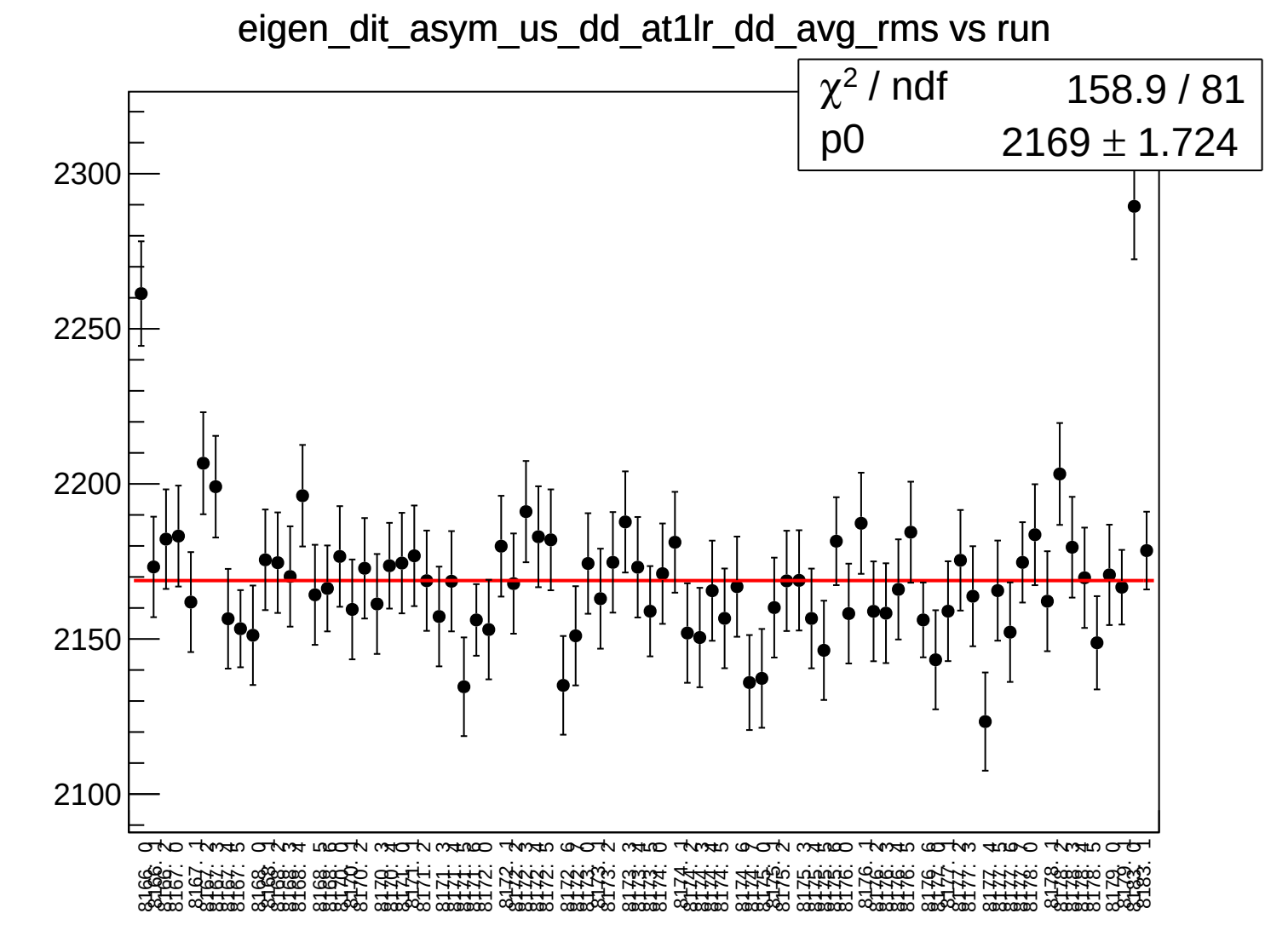

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 95.67 / 81
p0 −337.1± 1696
pull
Entries 82
Mean 2536
Std Dev 0

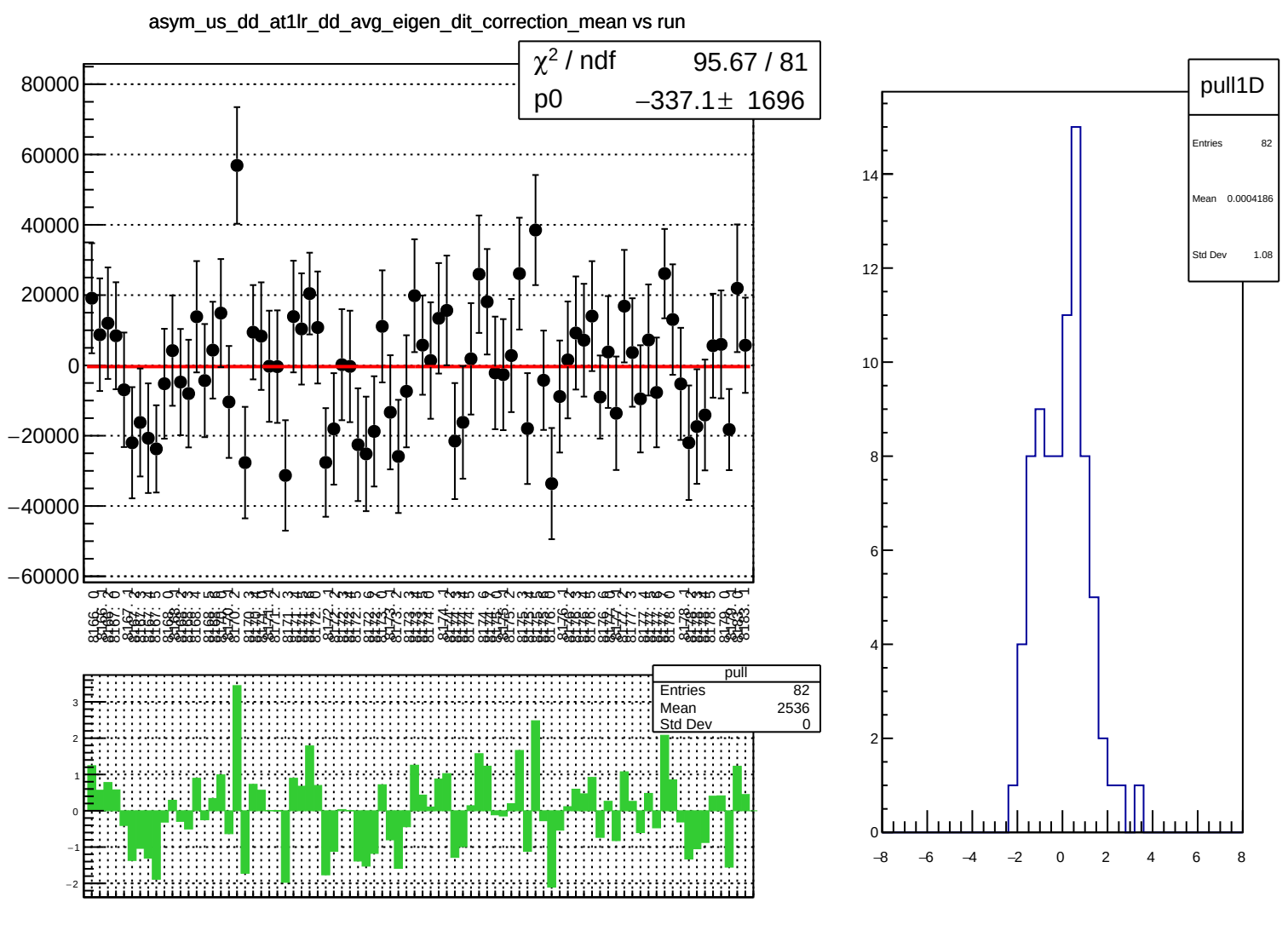

pull1D
Entries 82
Mean 0.0004186
Std Dev 1.08

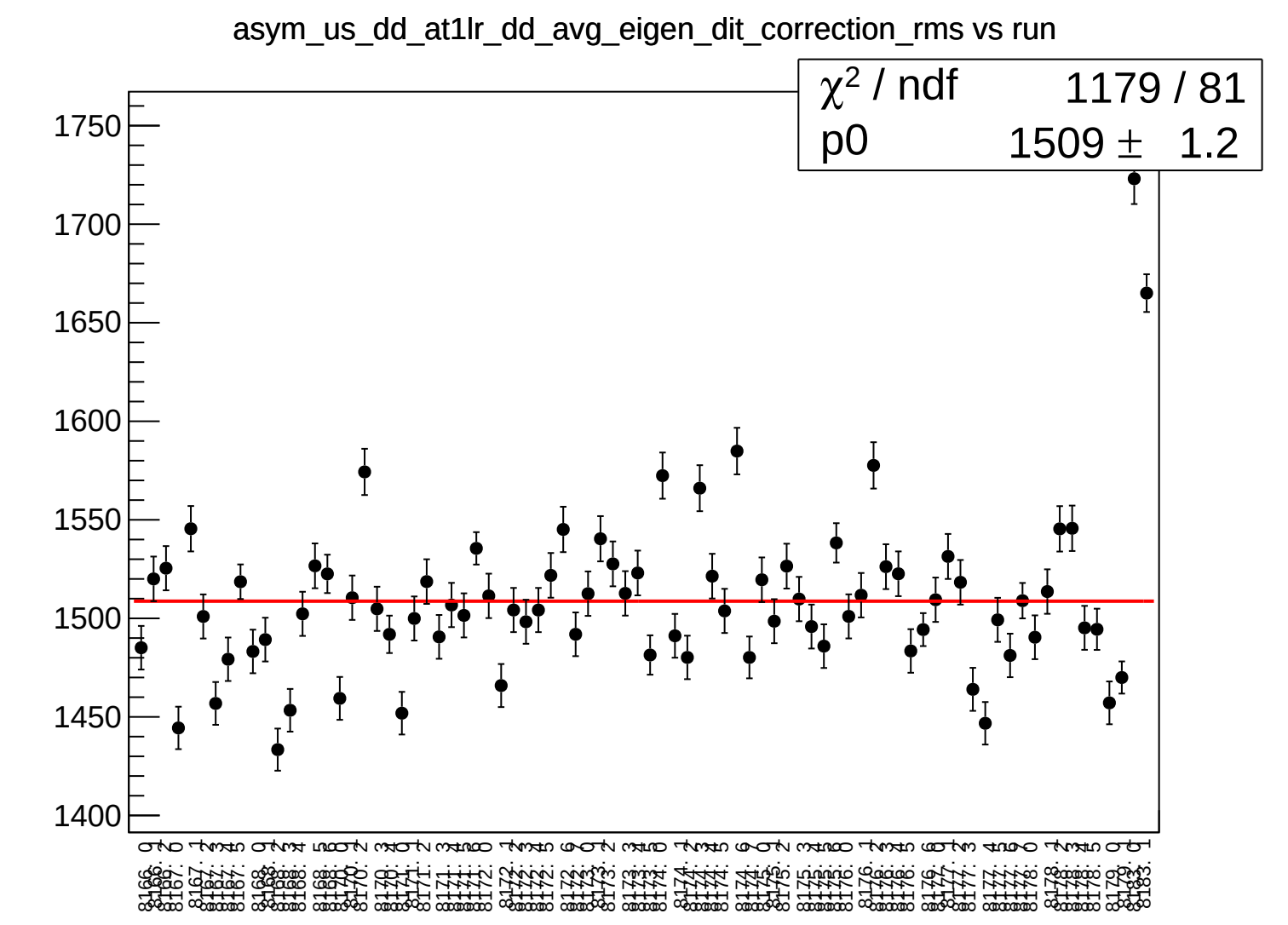

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1179 / 81
p0 1509 ± 1.2
1750
1700
1650
1600
1550
1500
1450
1400

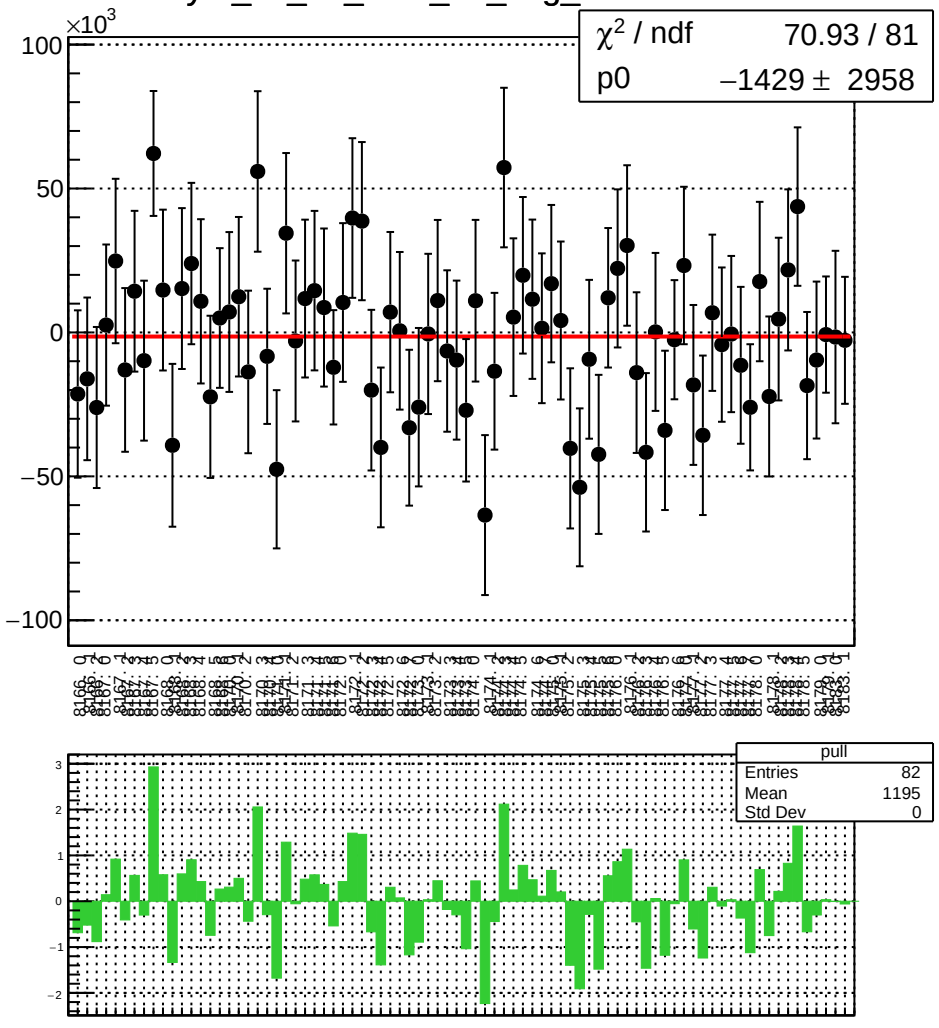

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 82.14 / 81
p0 −1593 ± 2438
pull
Entries 82
Mean 392.3
Std Dev 0

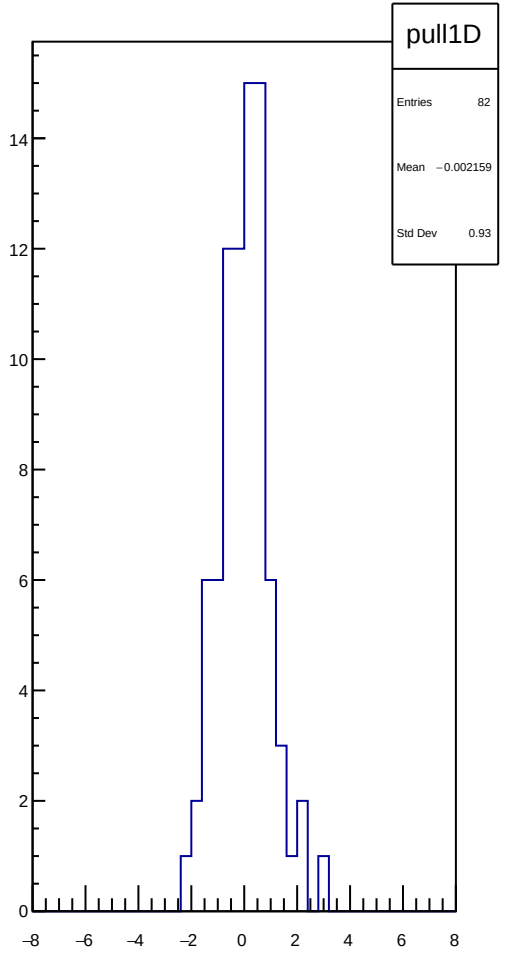

pull1D
Entries 82
Mean −0.006531
Std Dev 1.001

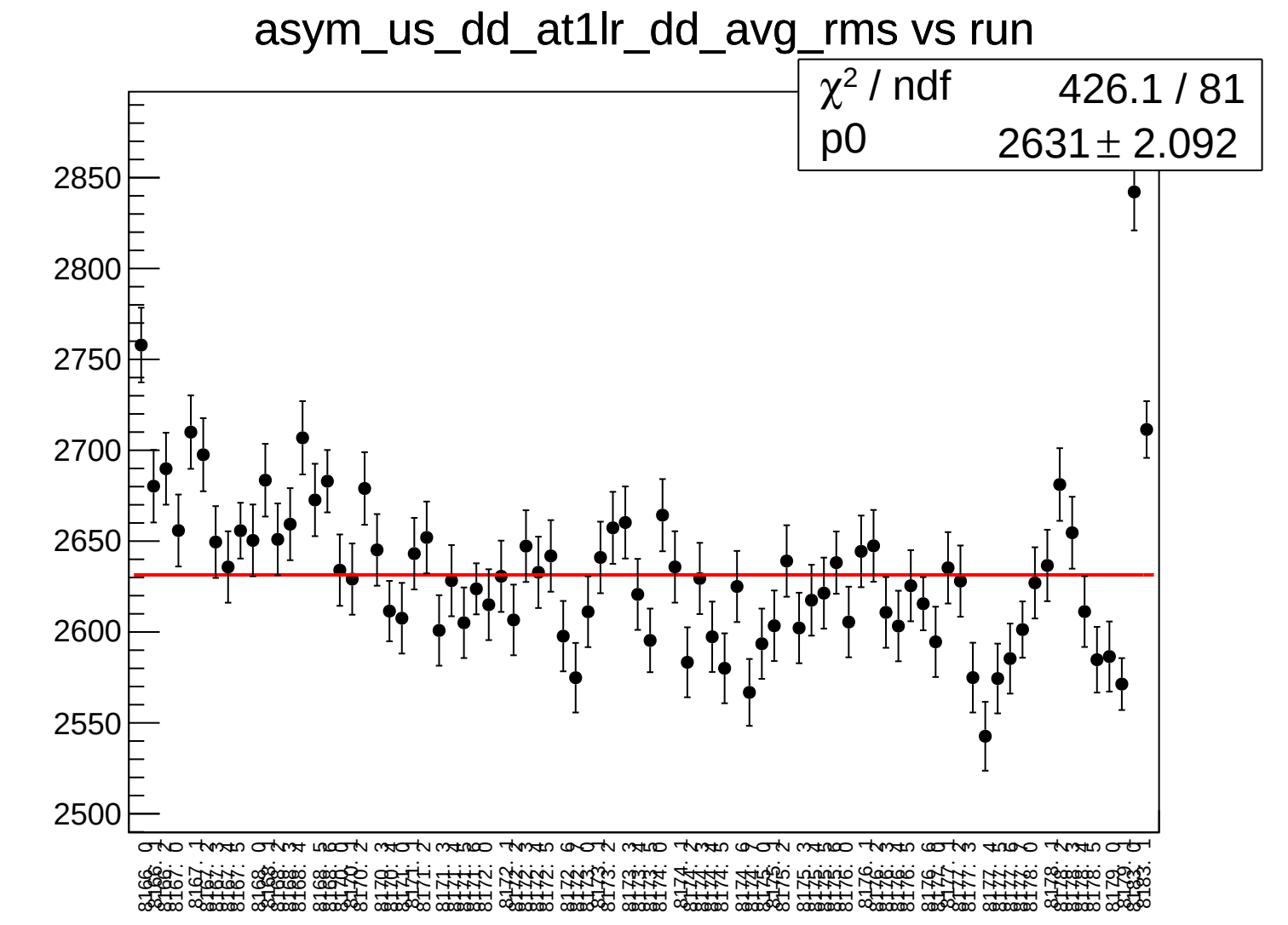

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ^2 / ndf 158.9 / 81
p0 2169 ± 1.724
2300
2250
2200
2150
2100

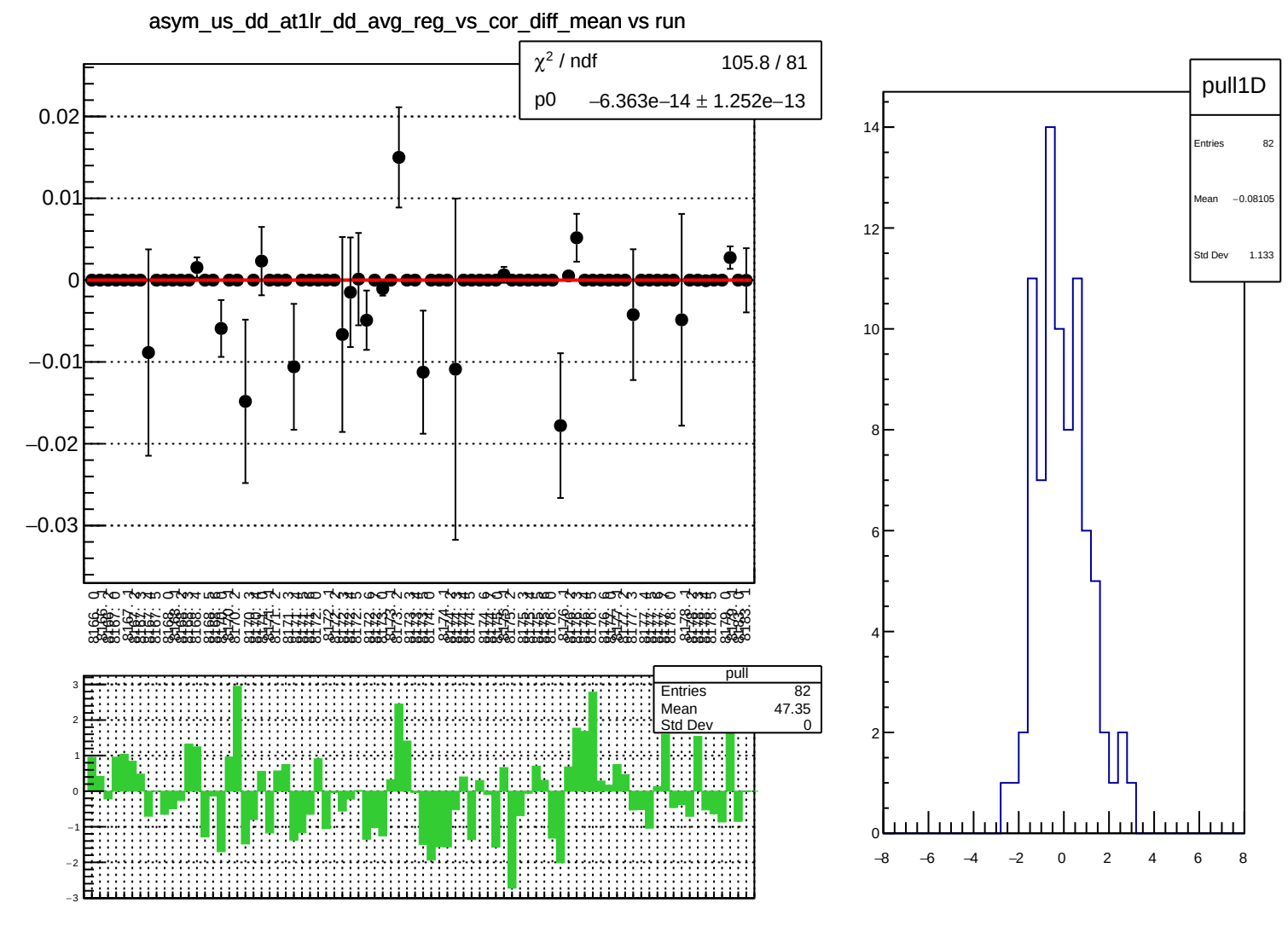

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 95.67 / 81
p0 −337.1± 1696
pull
Entries 82
Mean 2536
Std Dev 0
pull1D
Entries 82
Mean 0.0004186
Std Dev 1.08

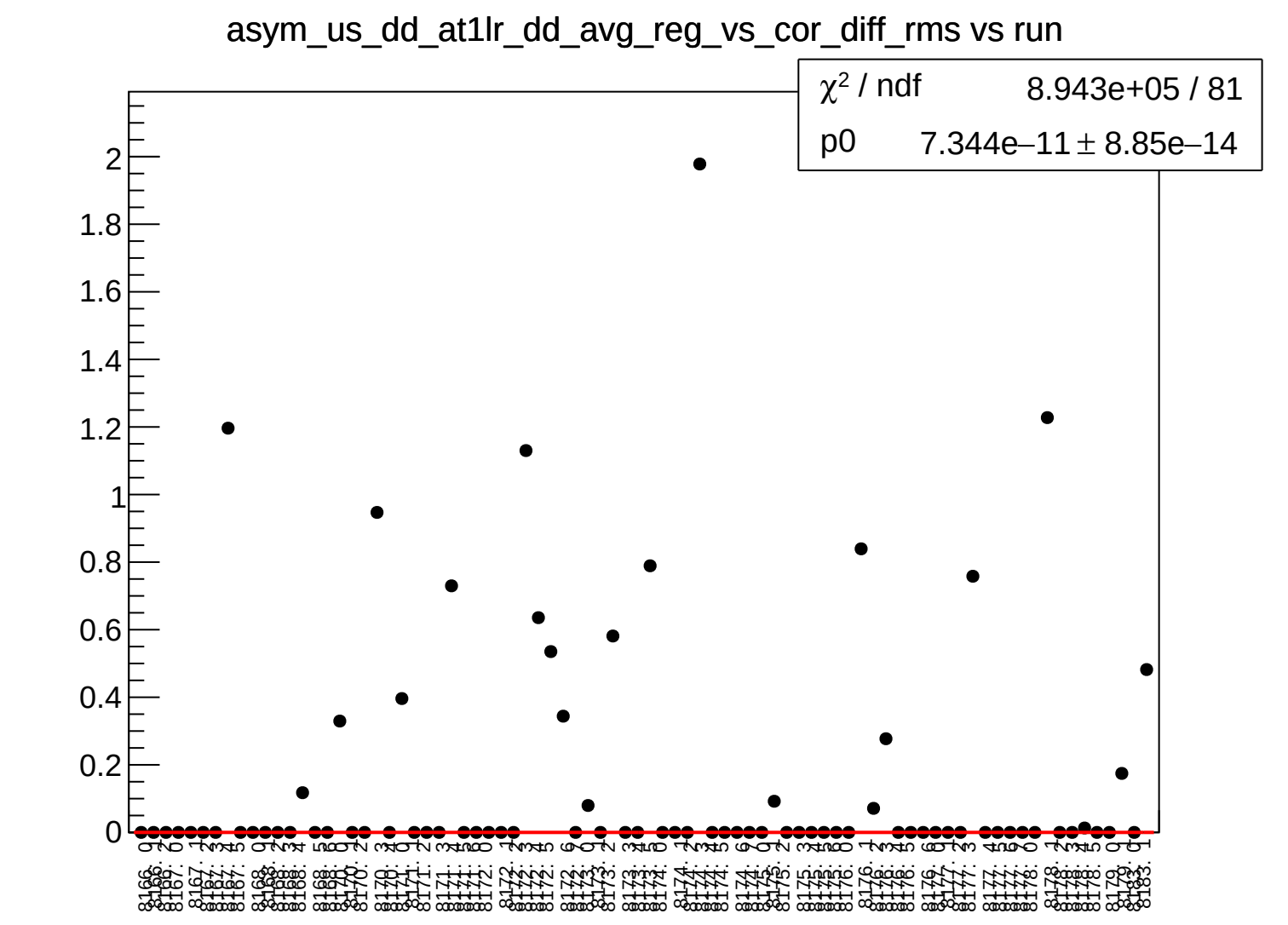

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1179 / 81
p0 1509 ± 1.2
1750
1700
1650
1600
1550
1500
1450
1400

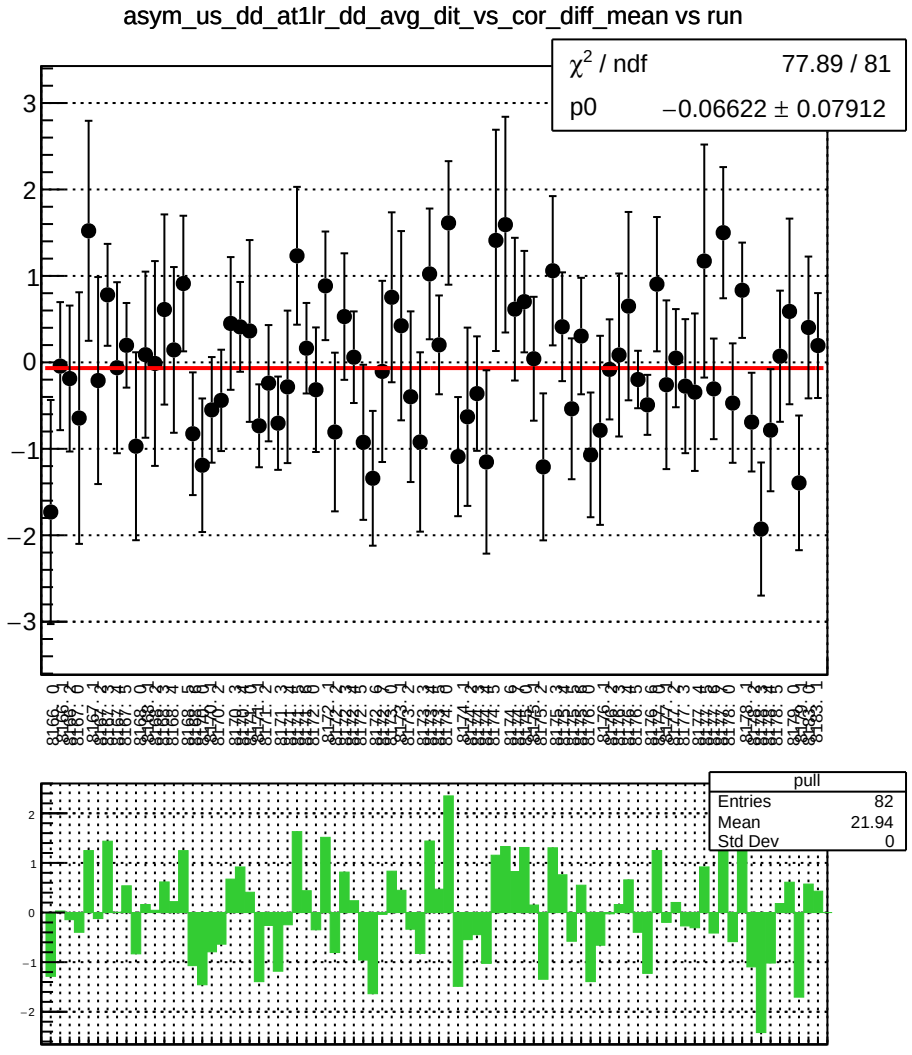

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 70.93 / 81
p0 −1429 ± 2958
100
50
0
−50
−100
pull
Entries 82
Mean 1195
Std Dev 0
3
2
1
0
−1
−2

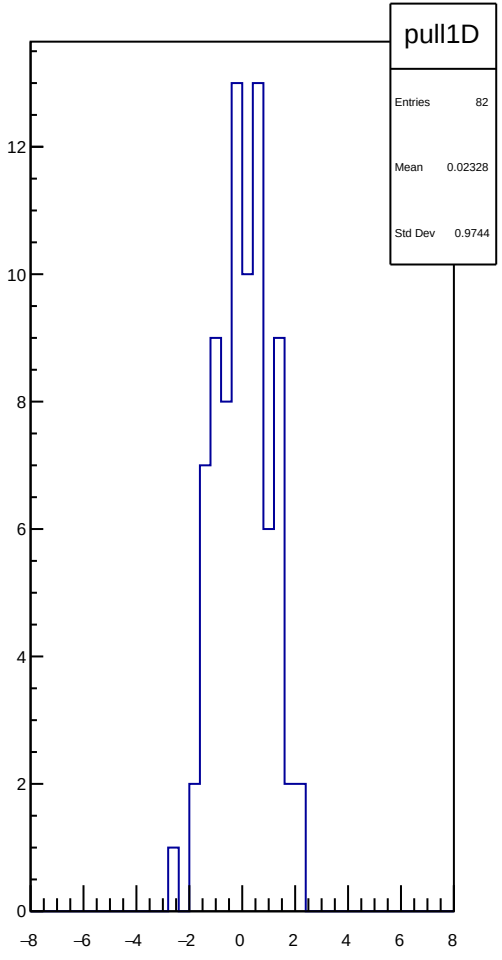

pull1D
Entries 82
Mean −0.002159
Std Dev 0.93
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

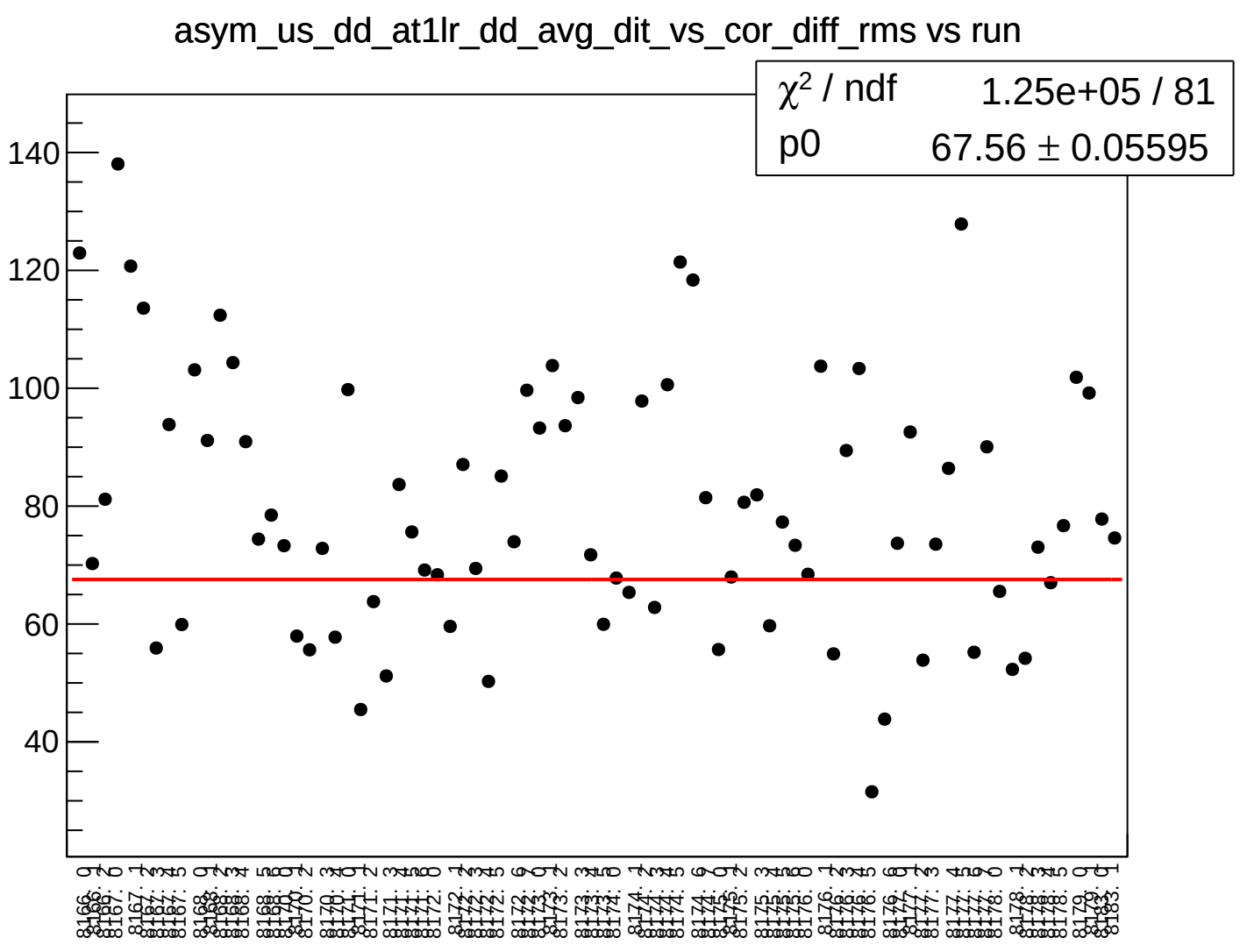

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 426.1 / 81
p0 2631 ± 2.092
2850
2800
2750
2700
2650
2600
2550
2500

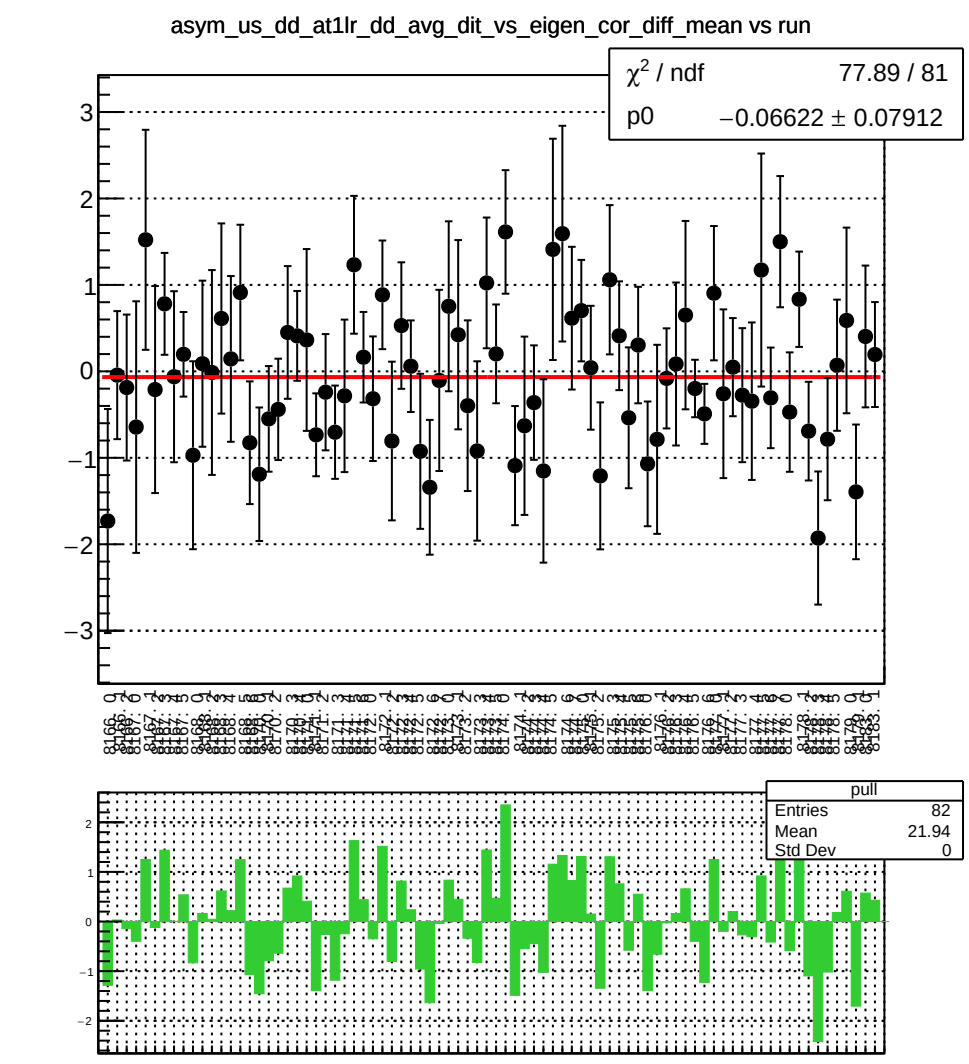

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 105.8 / 81
p0 −6.363e−14 ± 1.252e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean 47.35
Std Dev 0
pull1D
Entries 82
Mean −0.08105
Std Dev 1.133
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

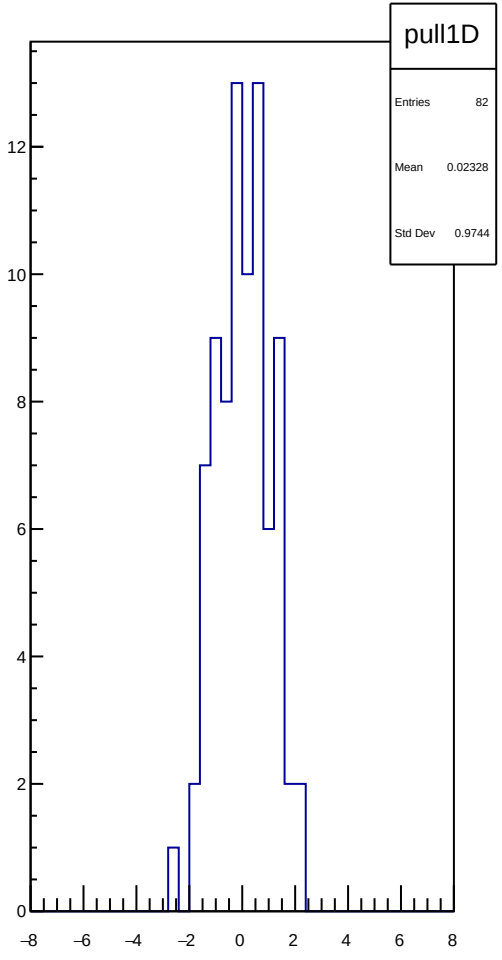

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.943e+05 / 81
p0 7.344e−11 ± 8.85e−14
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

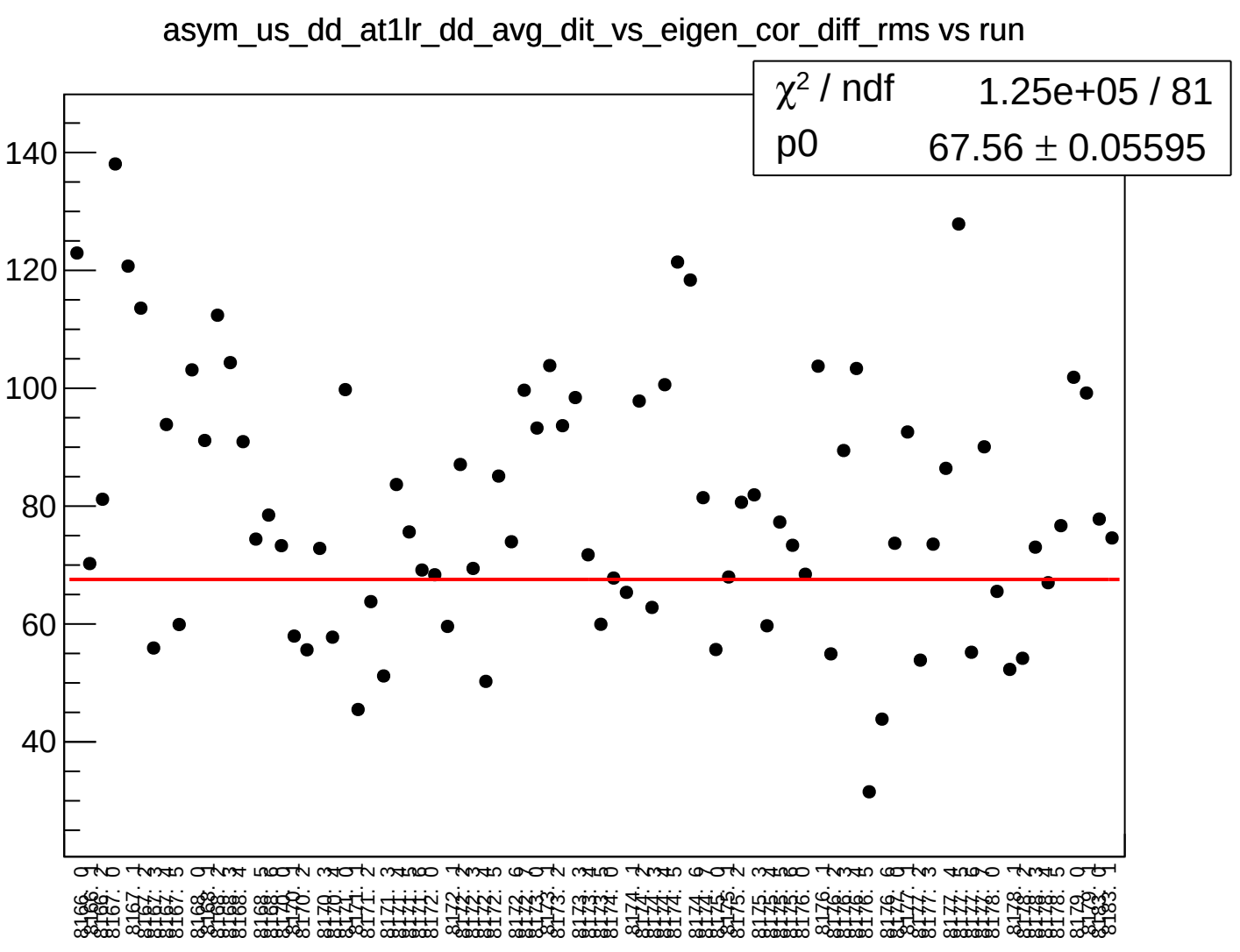

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.89 / 81
p0 −0.06622 ± 0.07912
pull
Entries 82
Mean 21.94
Std Dev 0

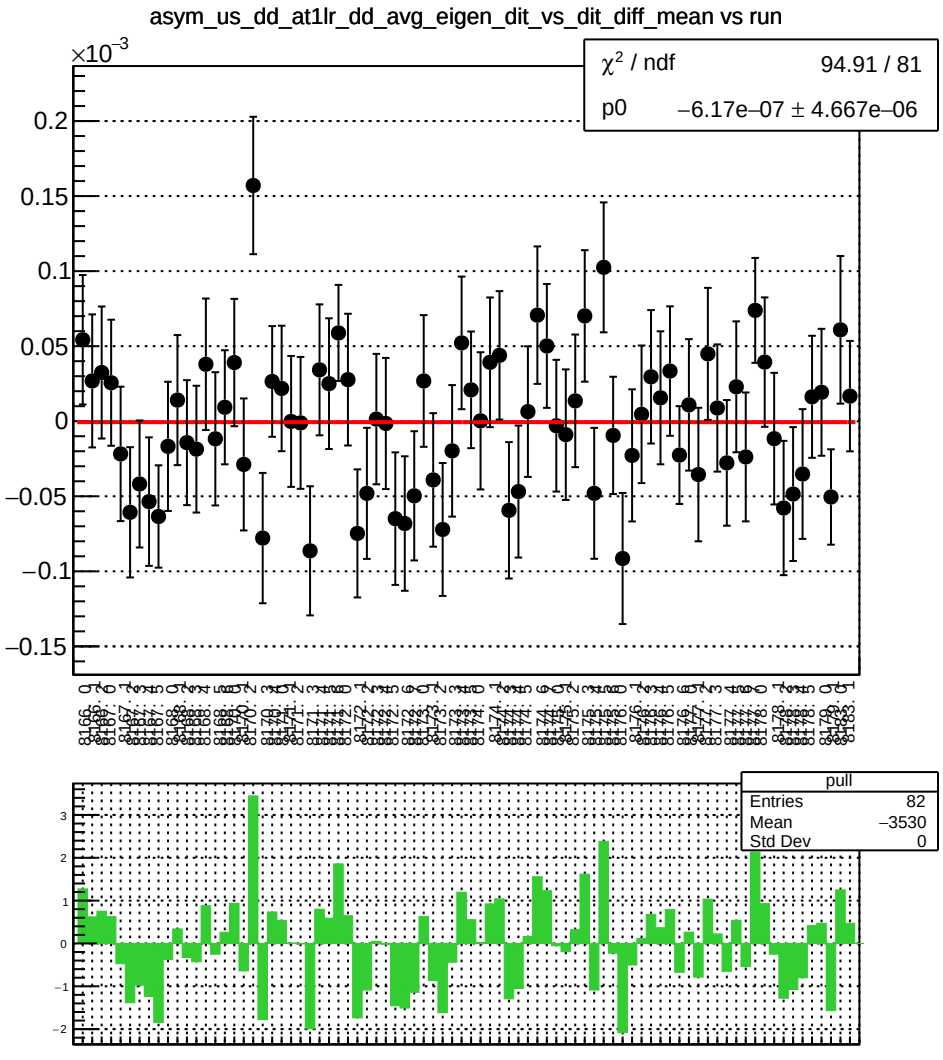

pull1D
Entries 82
Mean 0.02328
Std Dev 0.9744

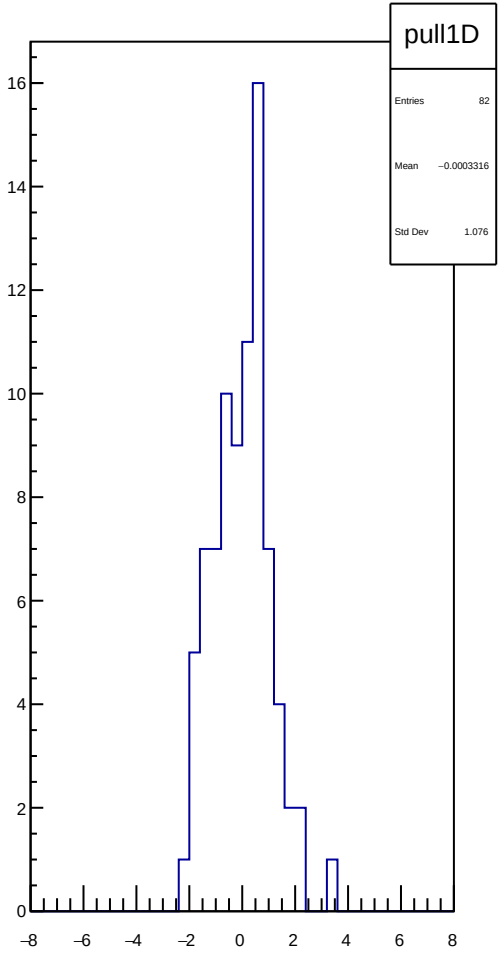

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.25e+05 / 81
p0 67.56 ± 0.05595
140
120
100
80
60
40

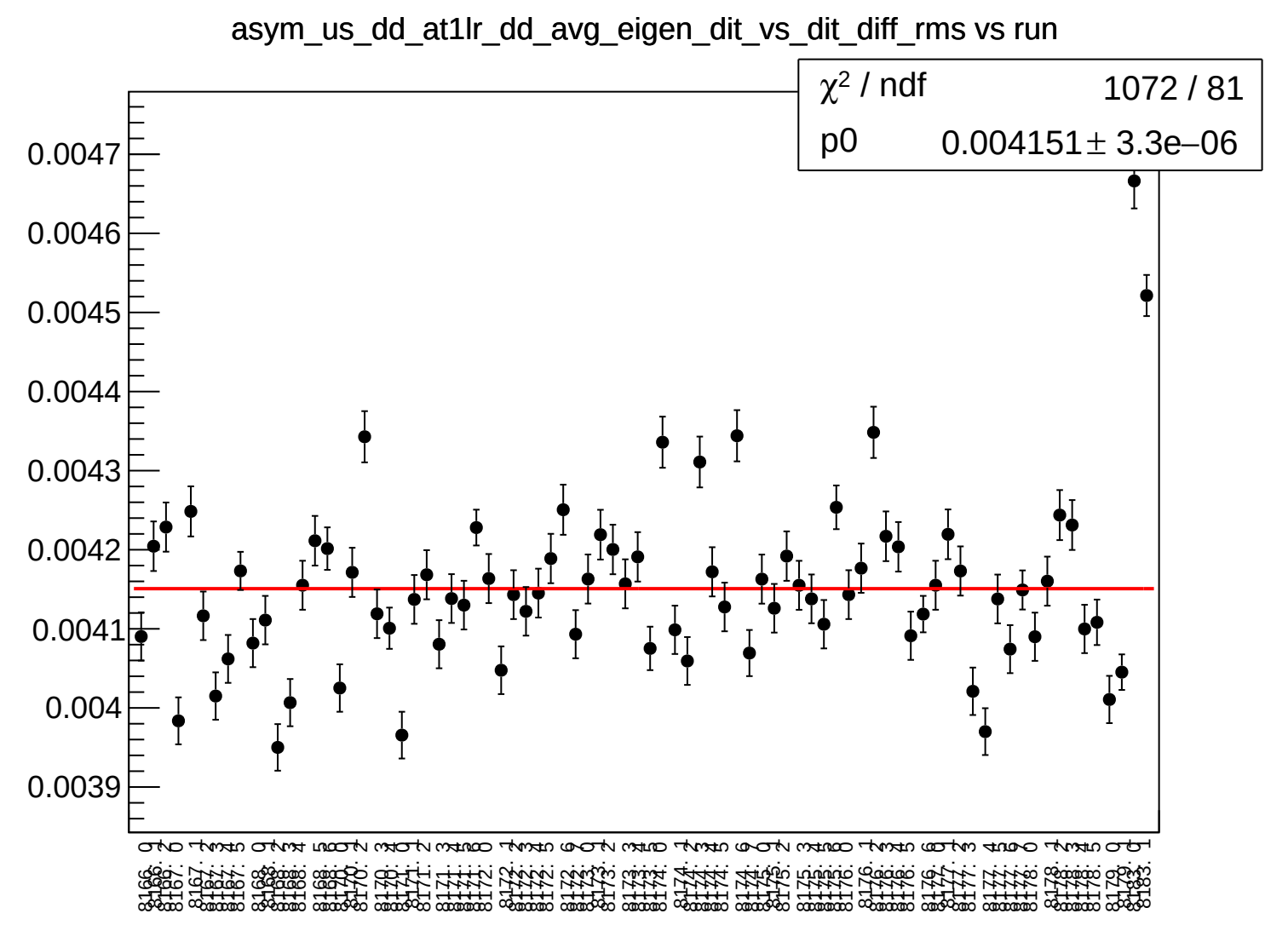

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.89 / 81
p0 −0.06622 ± 0.07912
pull
Entries 82
Mean 21.94
Std Dev 0

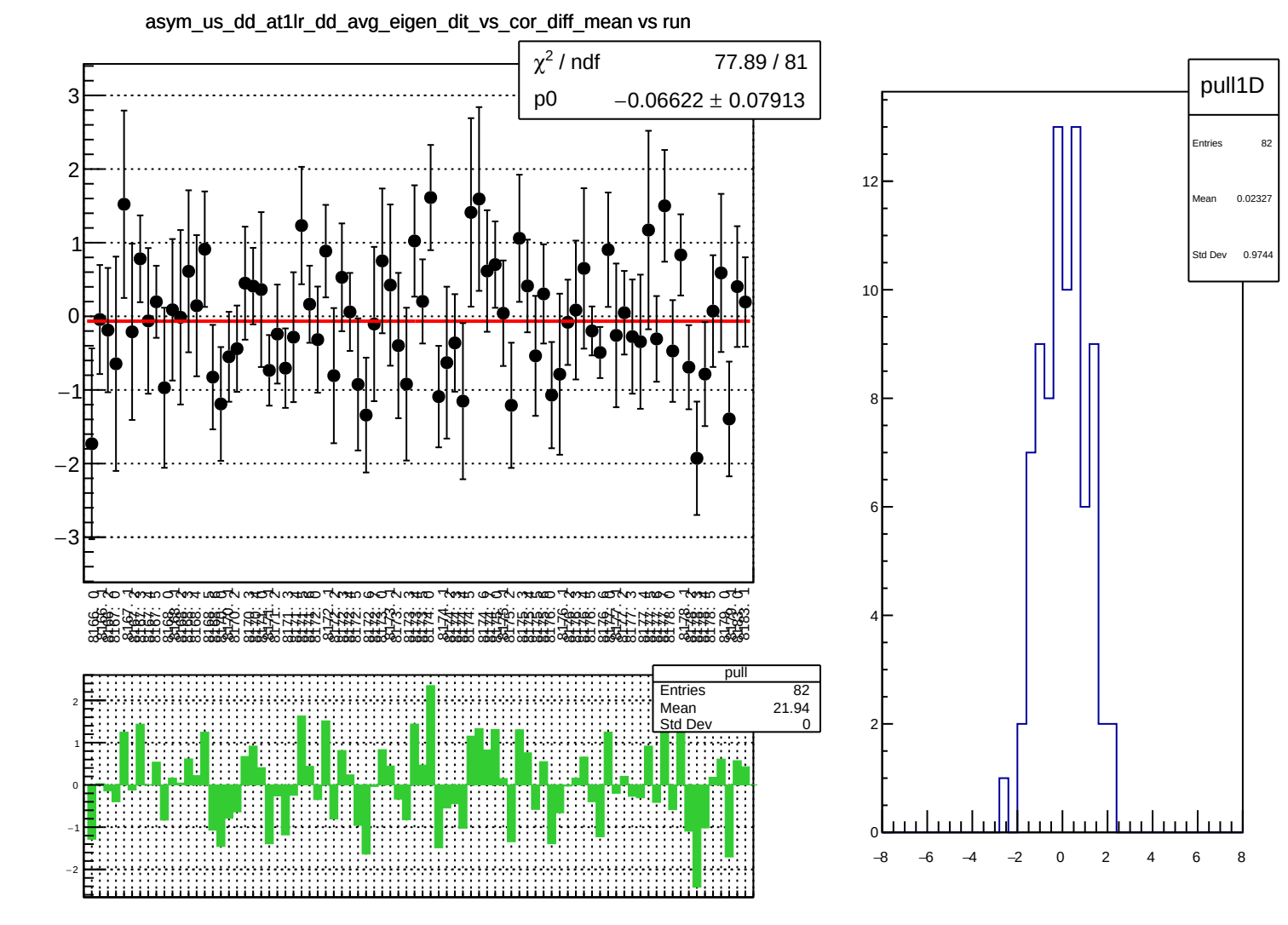

pull1D
Entries 82
Mean 0.02328
Std Dev 0.9744

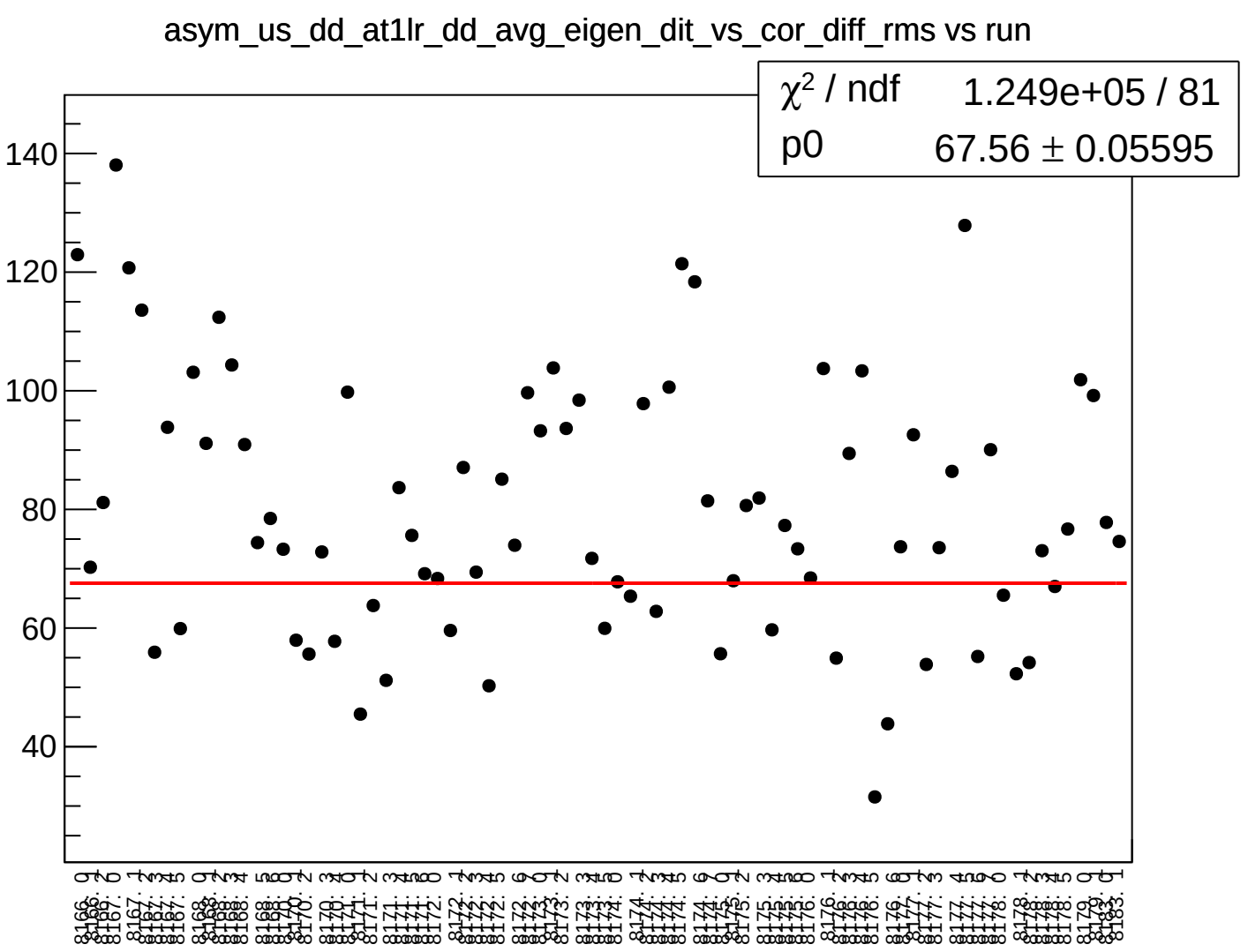

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.25e+05 / 81
p0 67.56 ± 0.05595
140
120
100
80
60
40

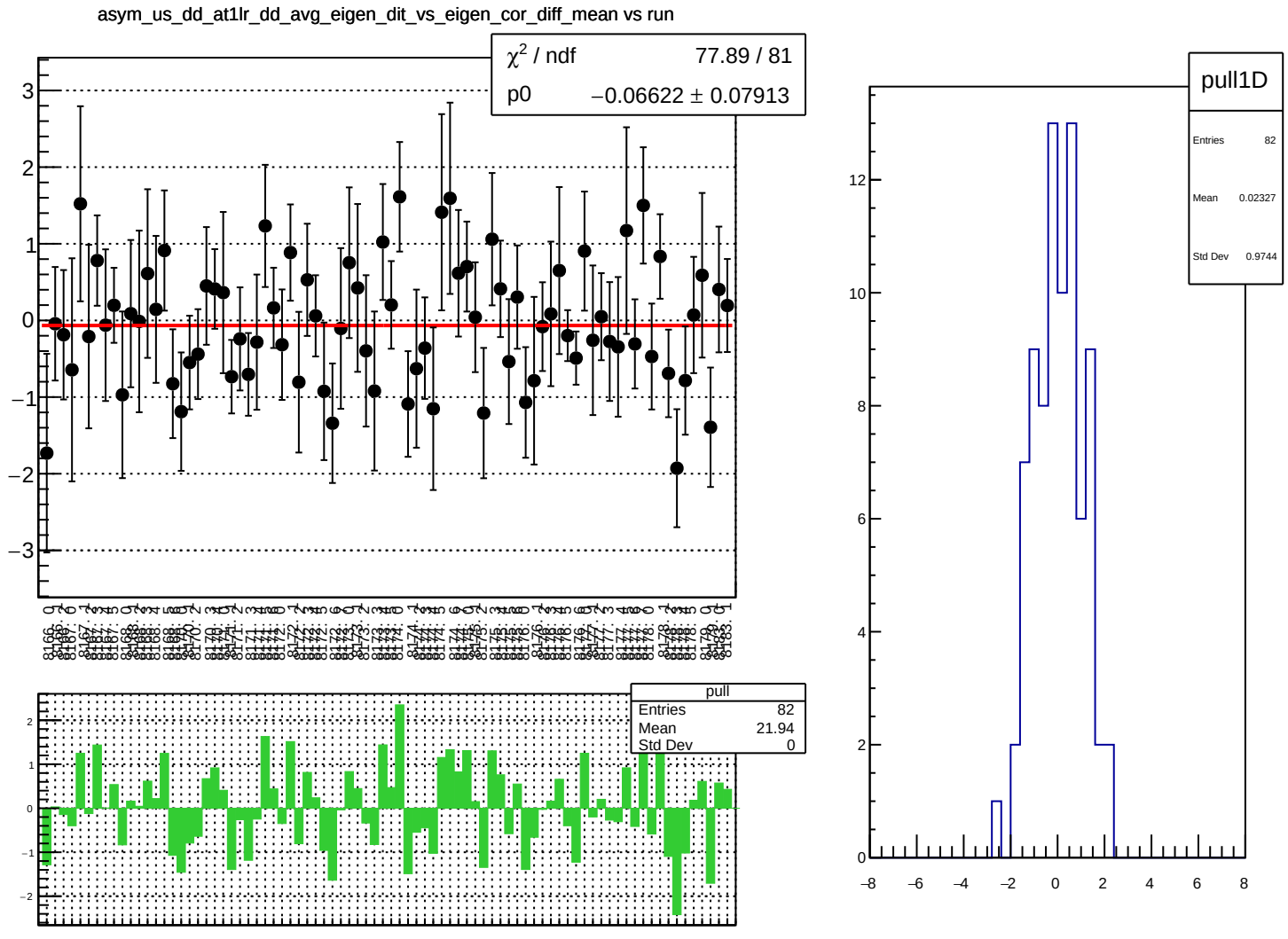

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.91 / 81
p0 −6.17e−07 ± 4.667e−06
pull
Entries 82
Mean −3530
Std Dev 0

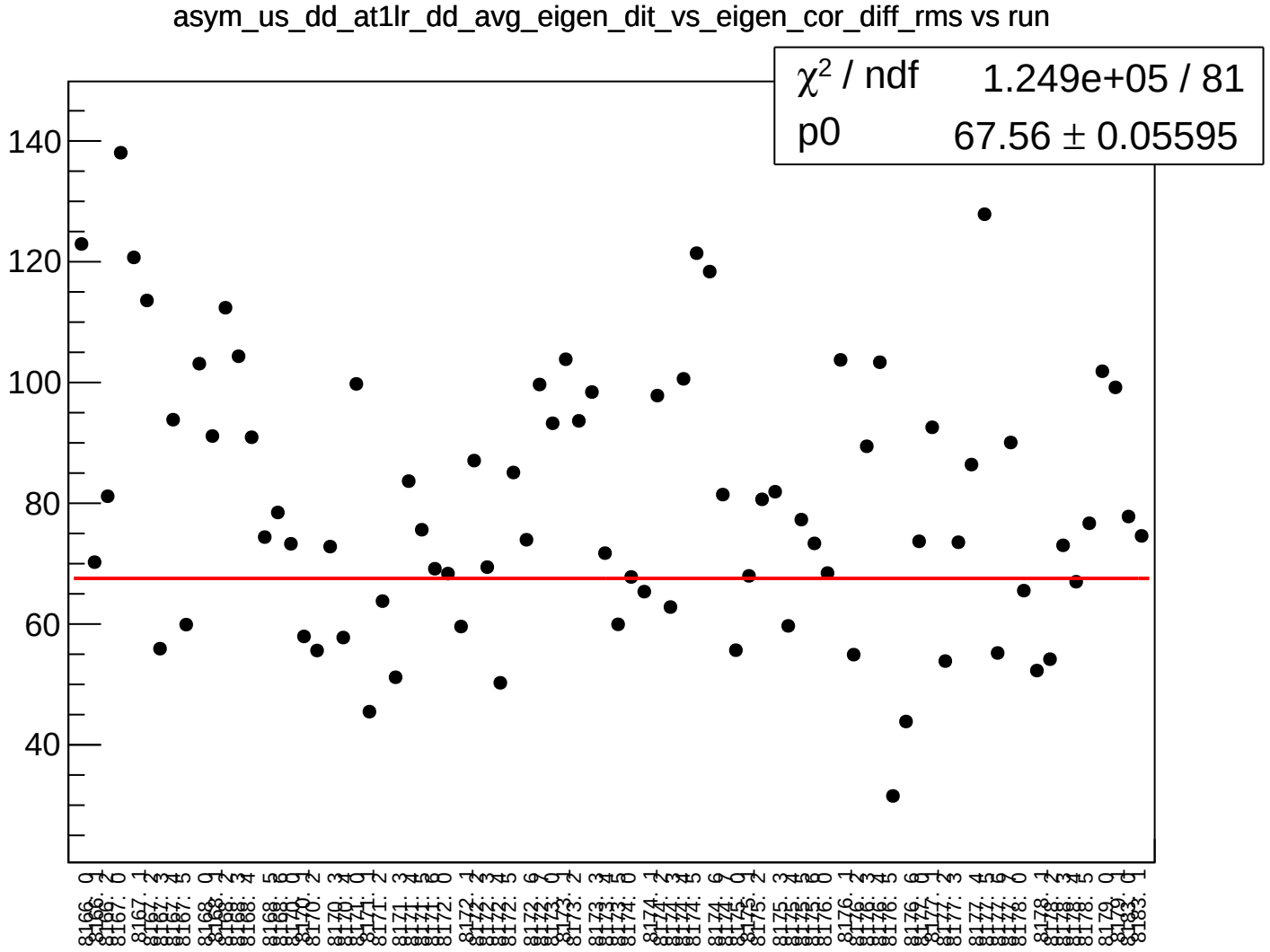

pull1D
Entries 82
Mean −0.0003316
Std Dev 1.076

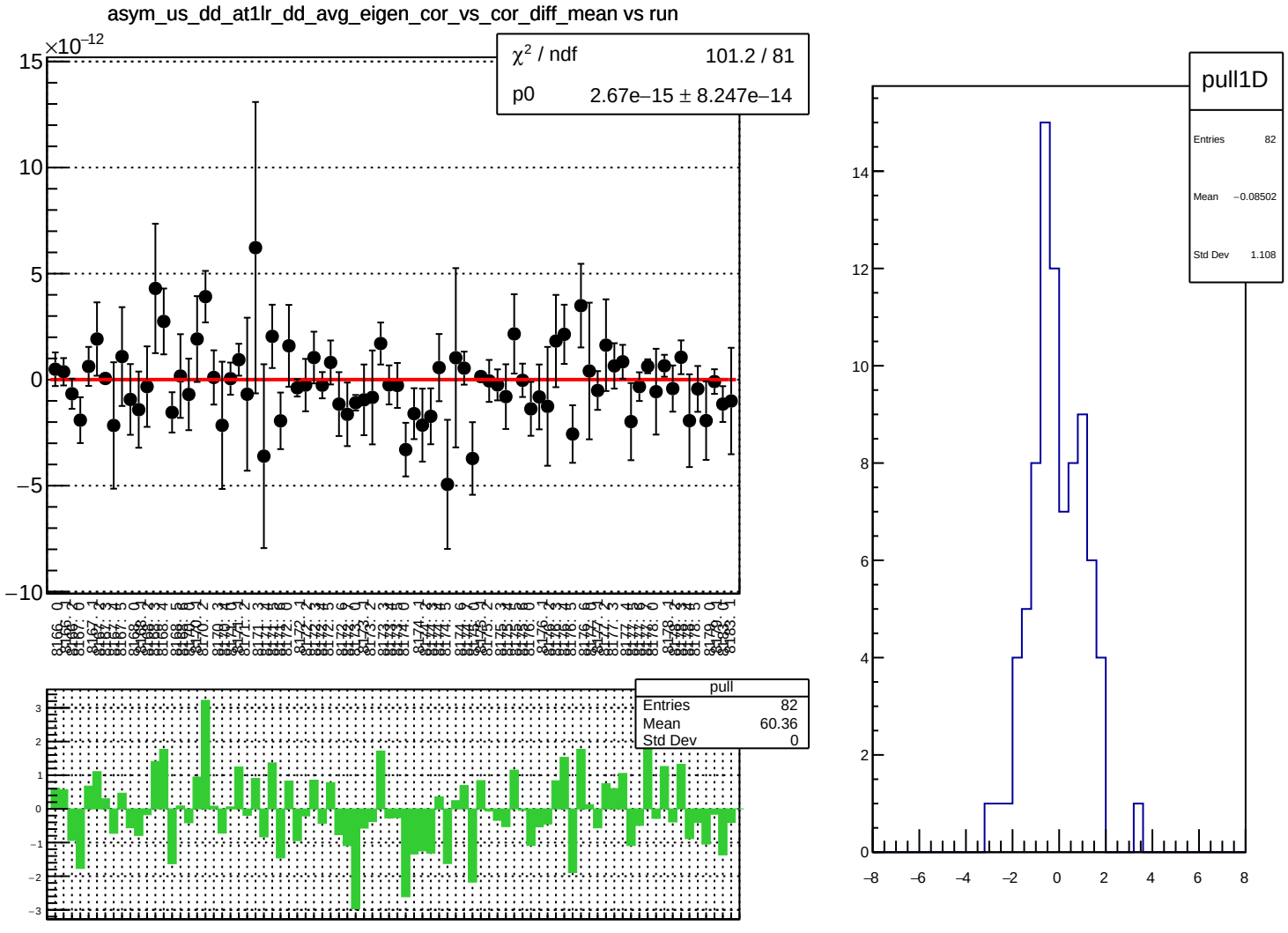

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1072 / 81
p0 0.004151 ± 3.3e−06
0.0047
0.0046
0.0045
0.0044
0.0043
0.0042
0.0041
0.004
0.0039

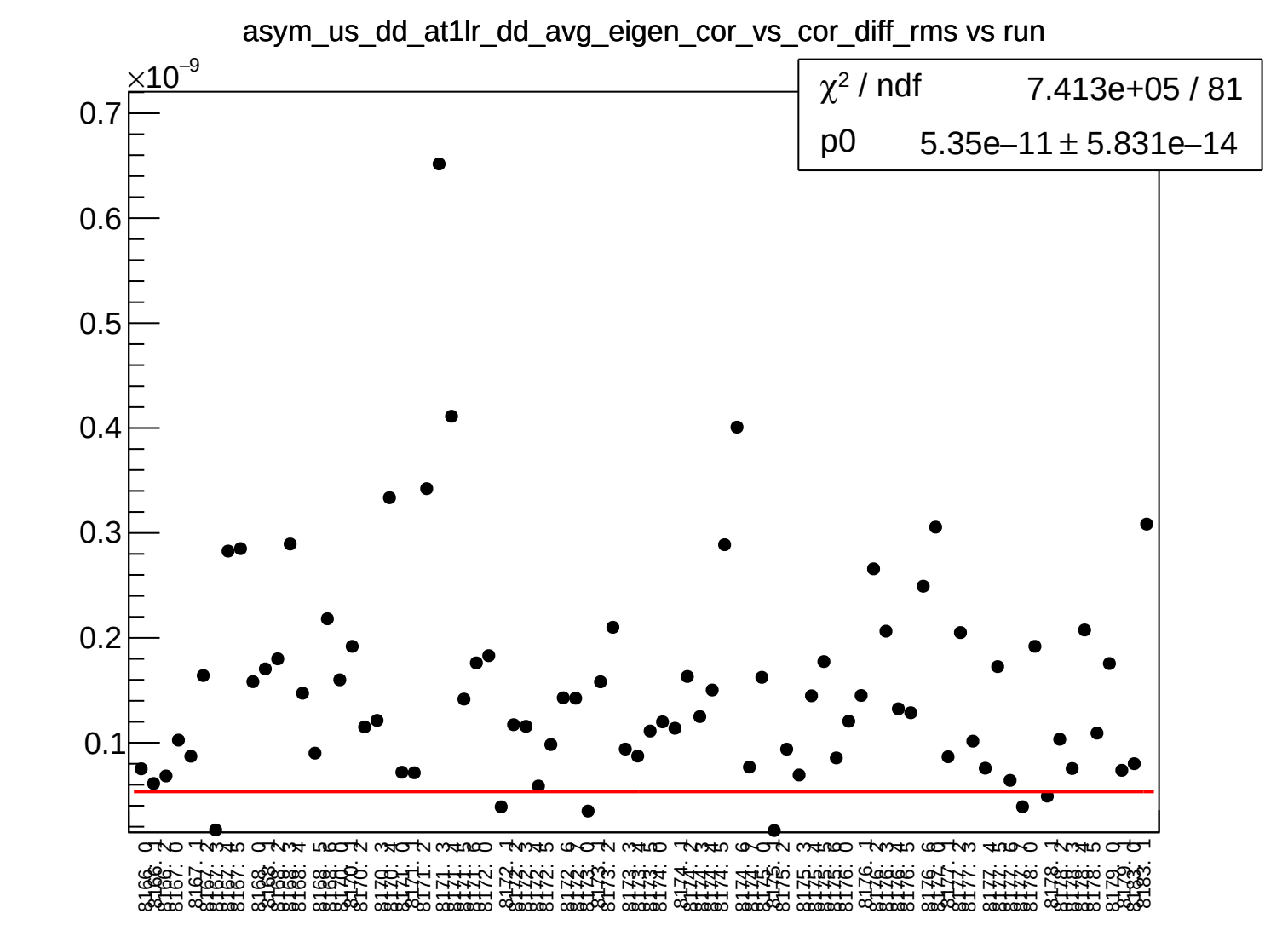

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.89 / 81
p0 −0.06622 ± 0.07913
pull
Entries 82
Mean 21.94
Std Dev 0
pull1D
Entries 82
Mean 0.02327
Std Dev 0.9744

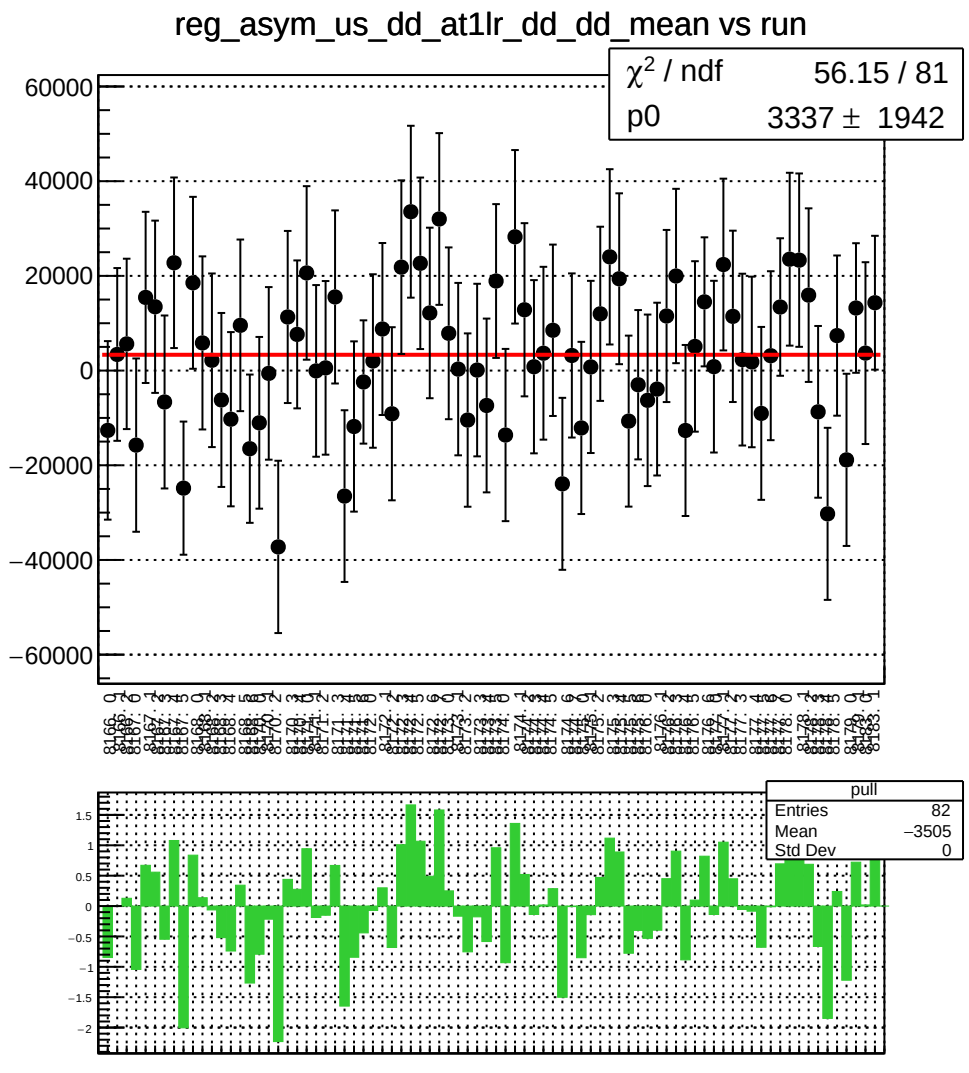

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.249e+05 / 81
p0 67.56 ± 0.05595
140
120
100
80
60
40

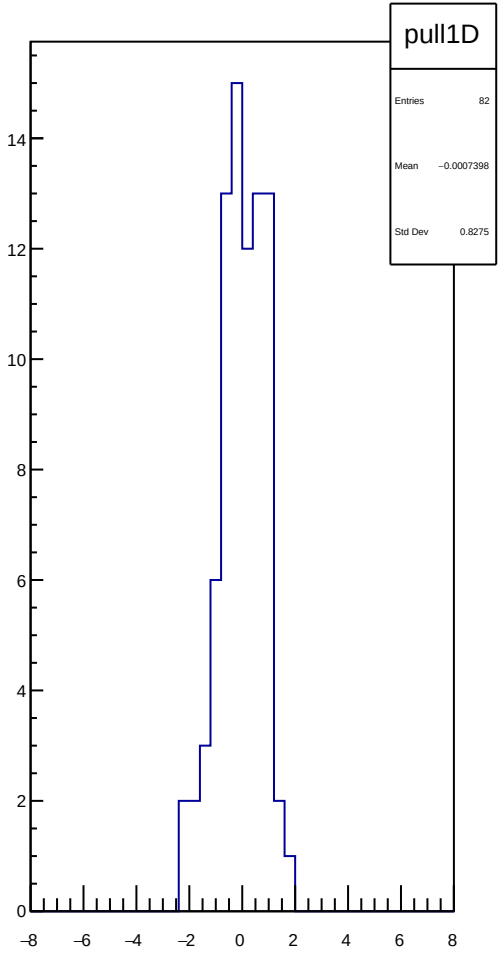

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.89 / 81
p0 −0.06622 ± 0.07913
pull
Entries 82
Mean 21.94
Std Dev 0
pull1D
Entries 82
Mean 0.02327
Std Dev 0.9744

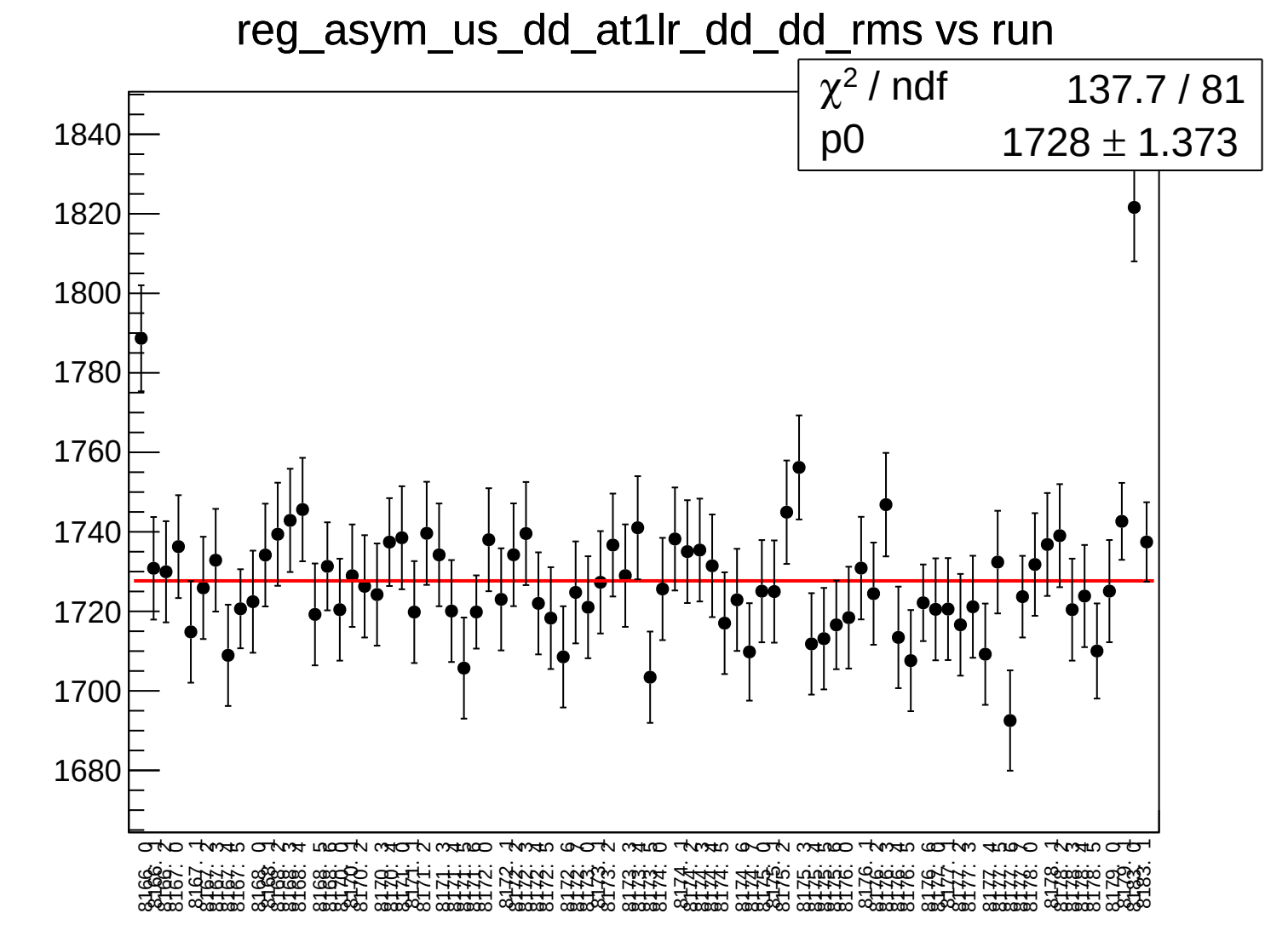

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.249e+05 / 81
p0 67.56 ± 0.05595
140
120
100
80
60
40

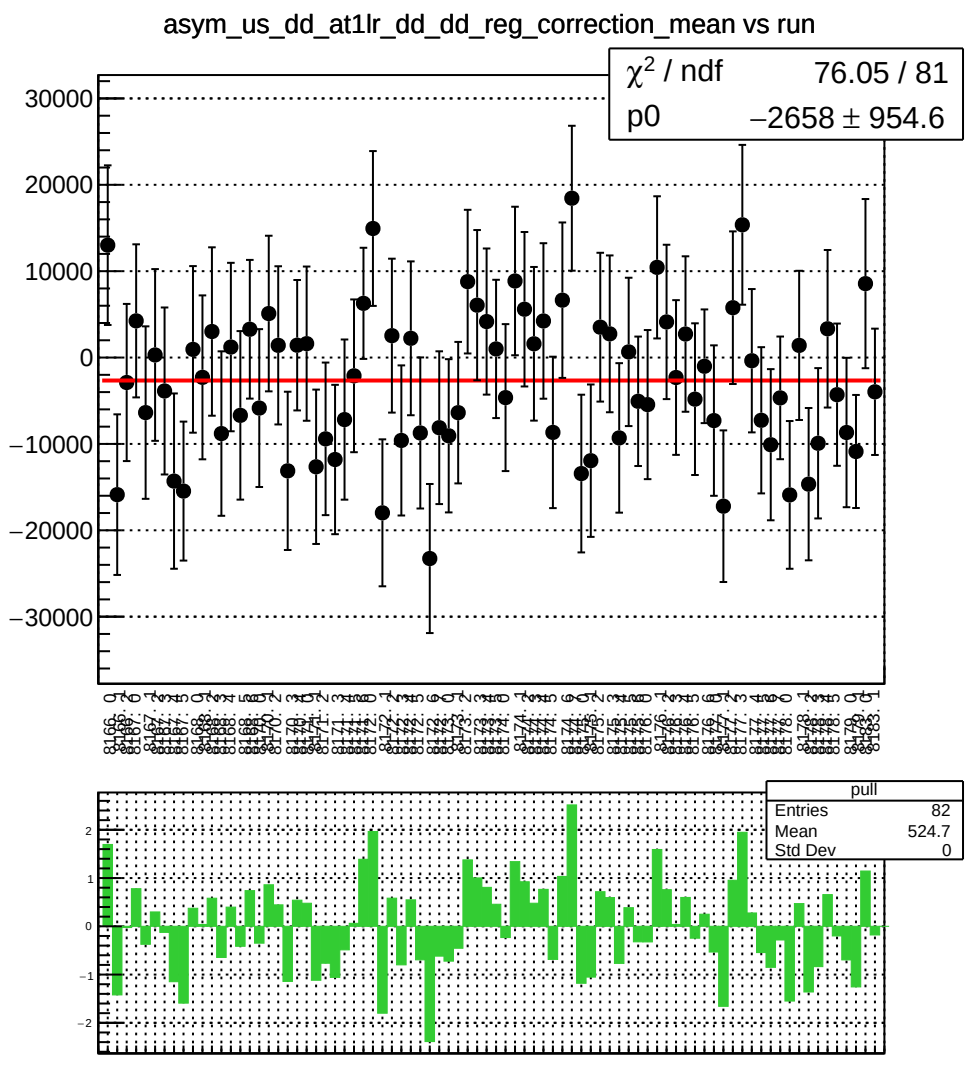

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 101.2 / 81
p0 2.67e−15 ± 8.247e−14
pull
Entries 82
Mean 60.36
Std Dev 0
pull1D
Entries 82
Mean −0.08502
Std Dev 1.108

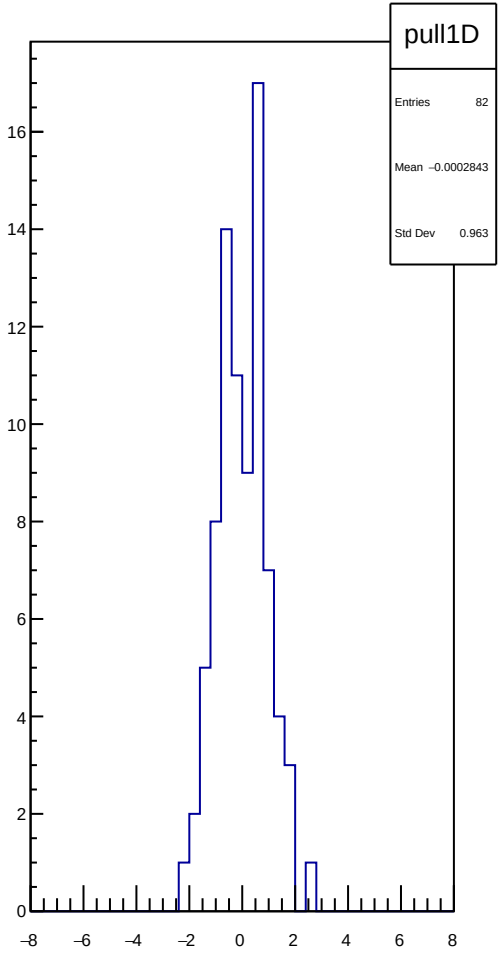

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.413e+05 / 81
p0 5.35e−11 ± 5.831e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

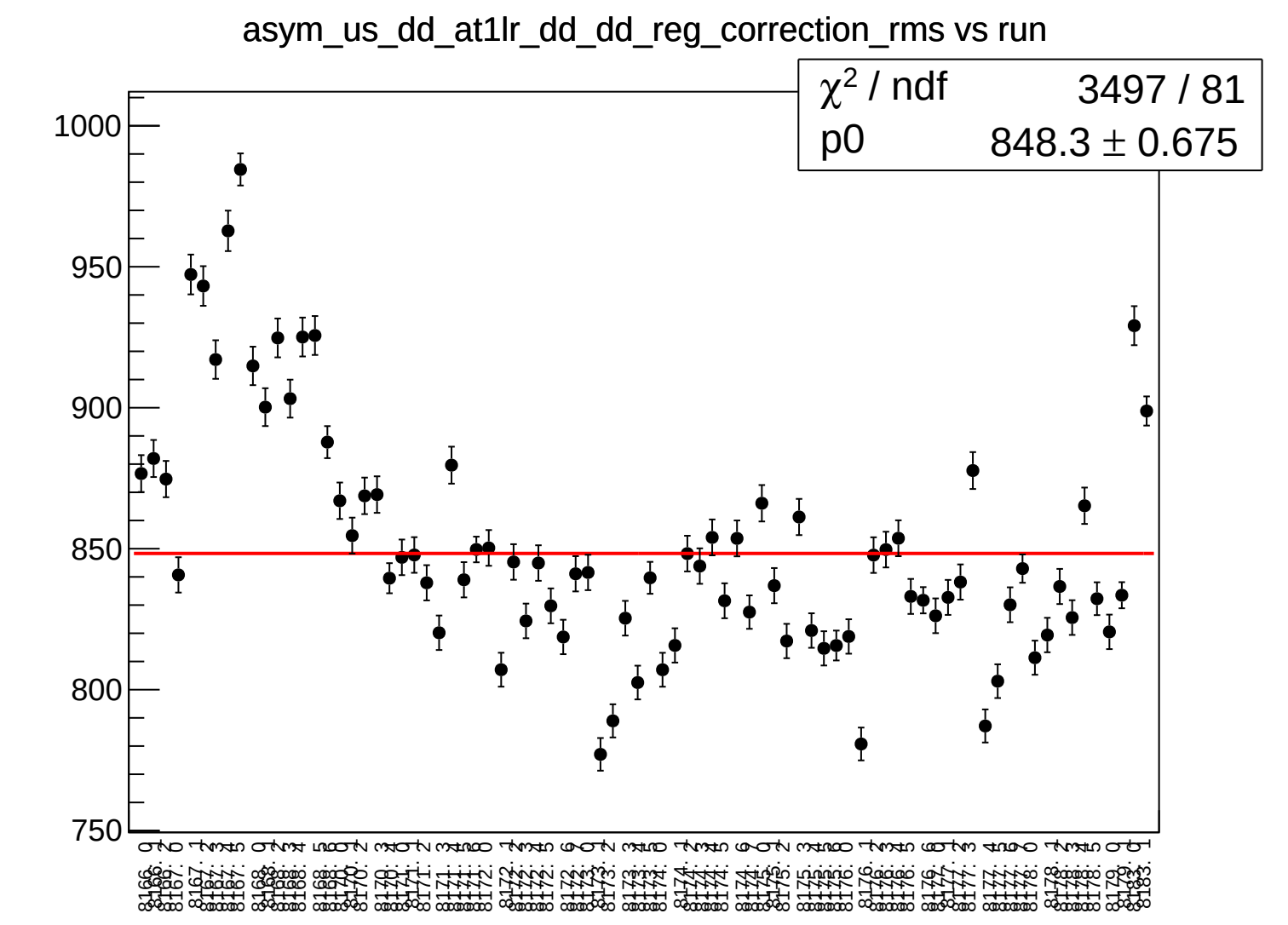

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 56.15 / 81
p0 3337 ± 1942
pull
Entries 82
Mean −3505
Std Dev 0

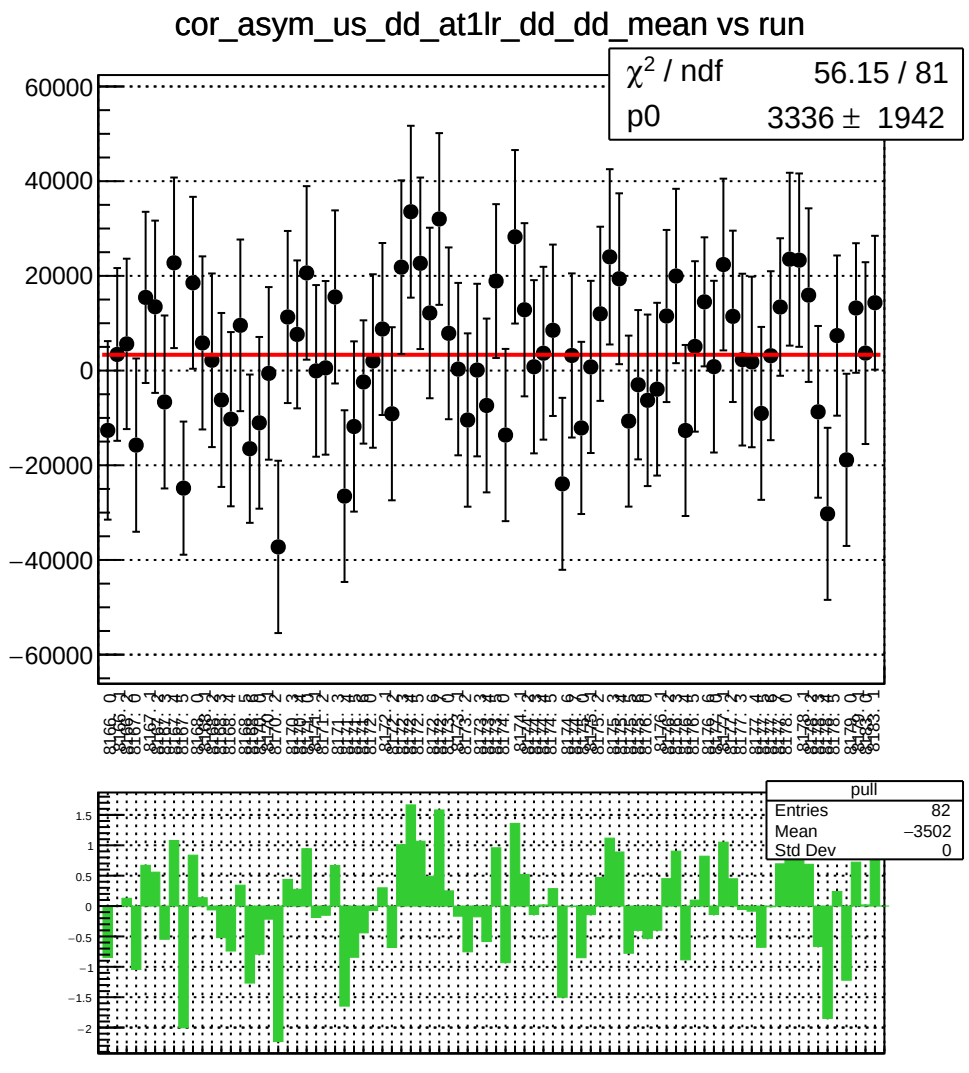

pull1D
Entries 82
Mean −0.0007398
Std Dev 0.8275

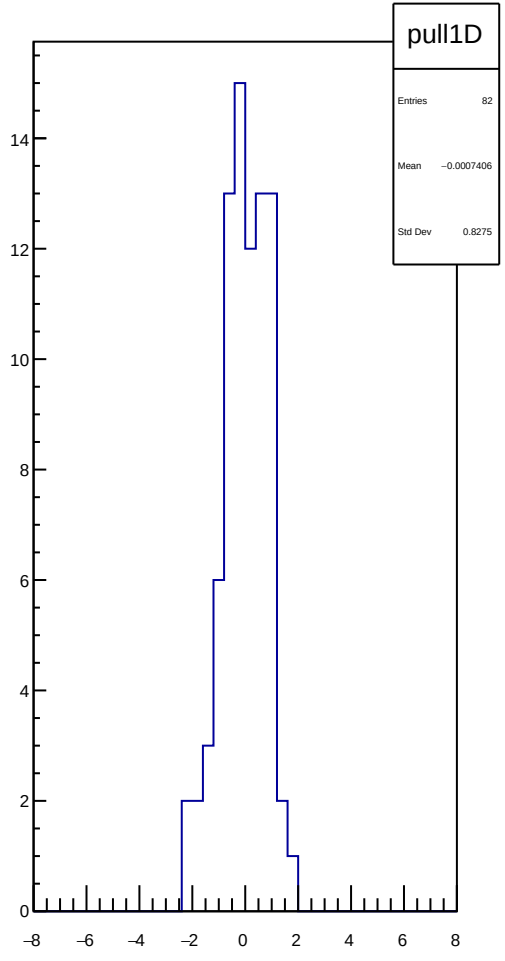

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 137.7 / 81
p0 1728 ± 1.373
1840
1820
1800
1780
1760
1740
1720
1700
1680

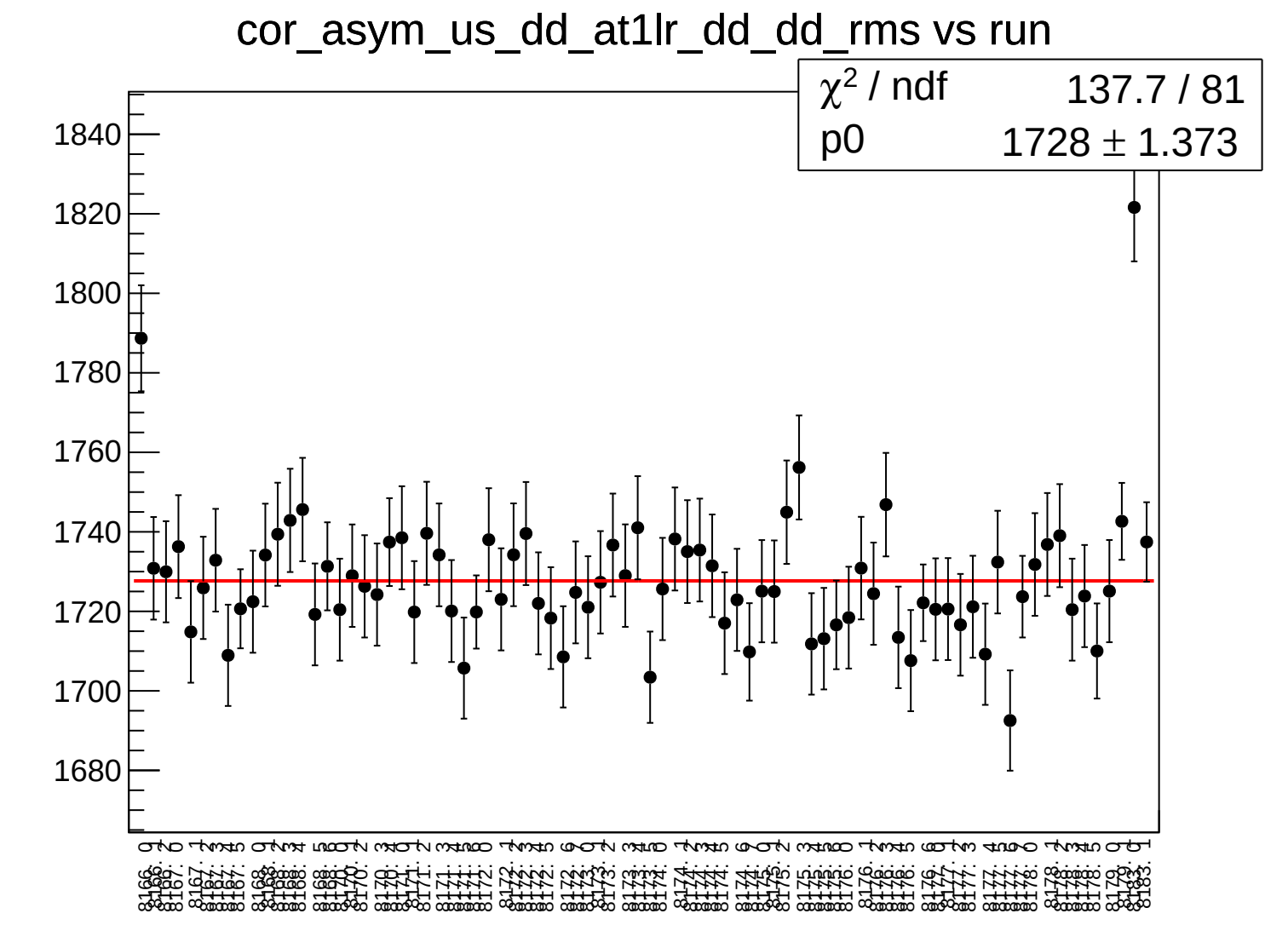

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 76.05 / 81
p0 −2658 ± 954.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 524.7
Std Dev 0
2
1
0
−1
−2

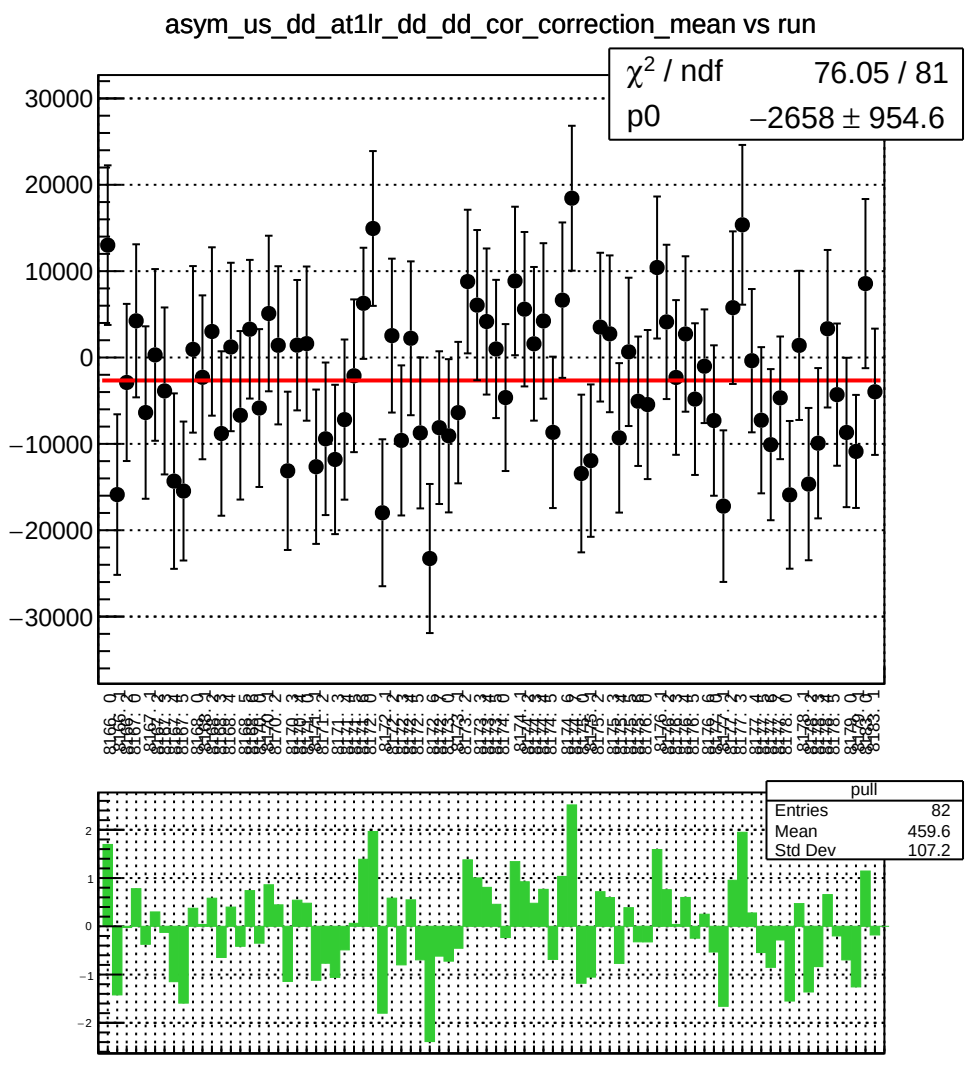

pull1D
Entries 82
Mean −0.0002843
Std Dev 0.963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

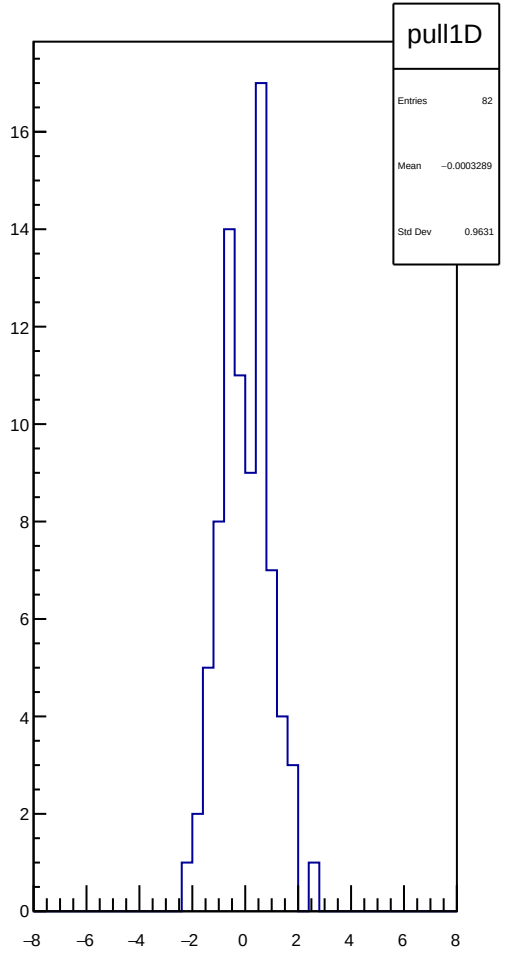

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3497 / 81
p0 848.3 ± 0.675
1000
950
900
850
800
750

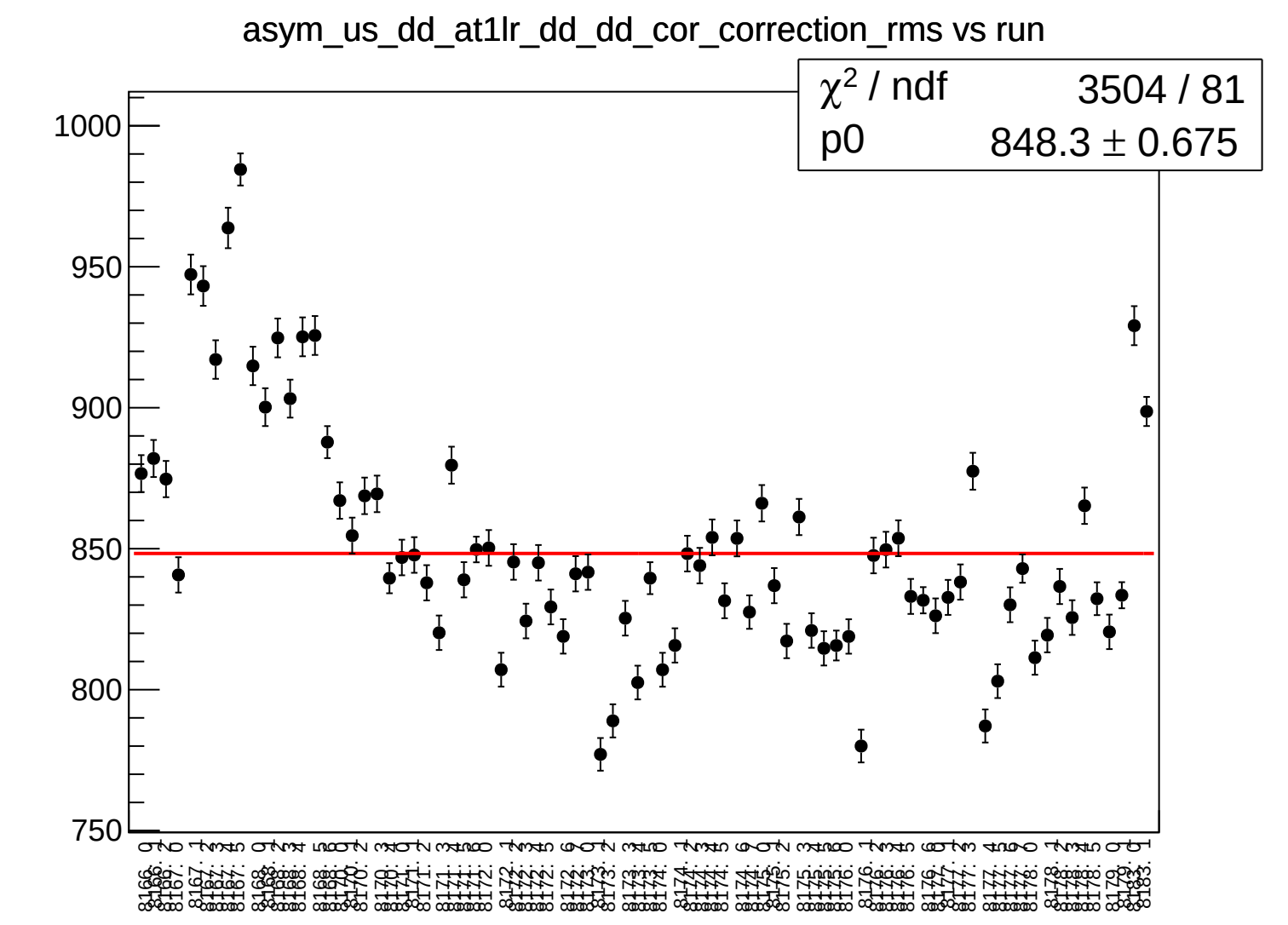

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 56.15 / 81
p0 3336 ± 1942
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −3502
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

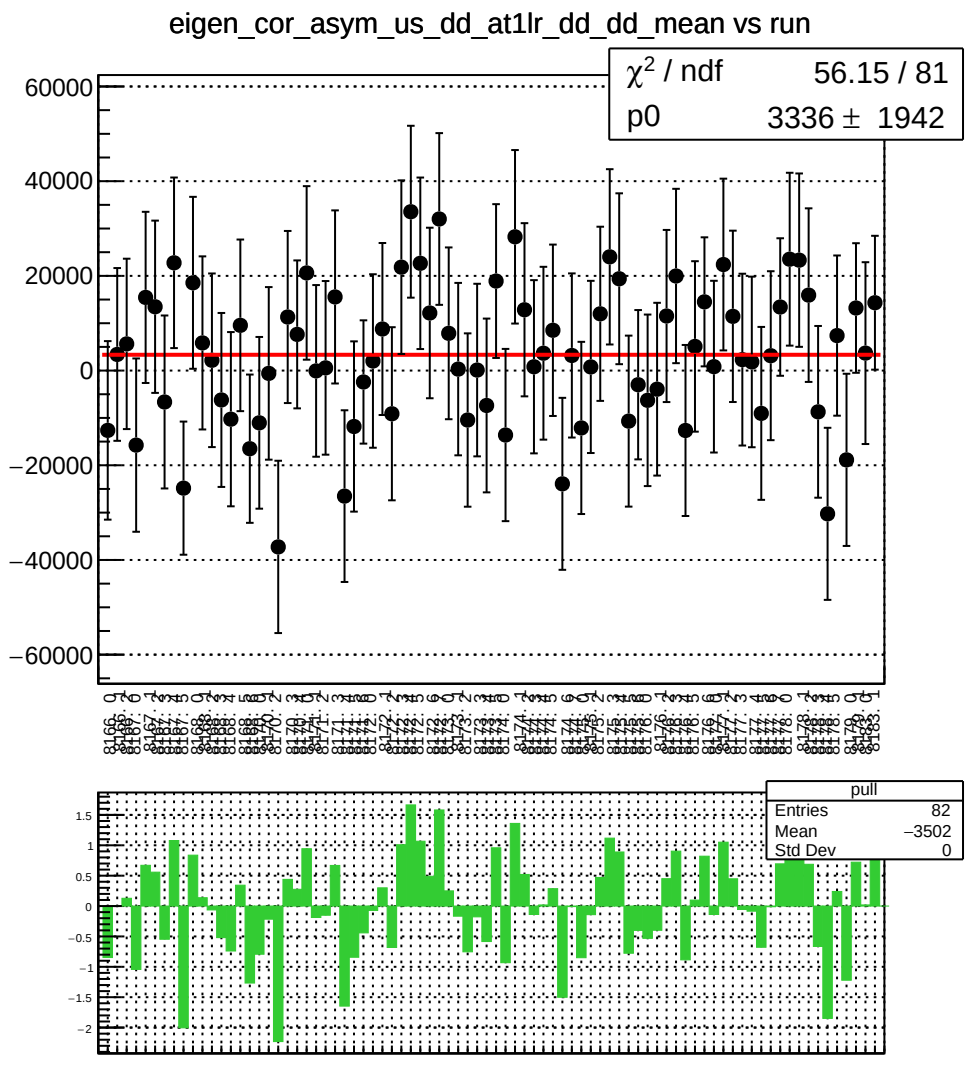

pull1D
Entries 82
Mean −0.0007406
Std Dev 0.8275
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

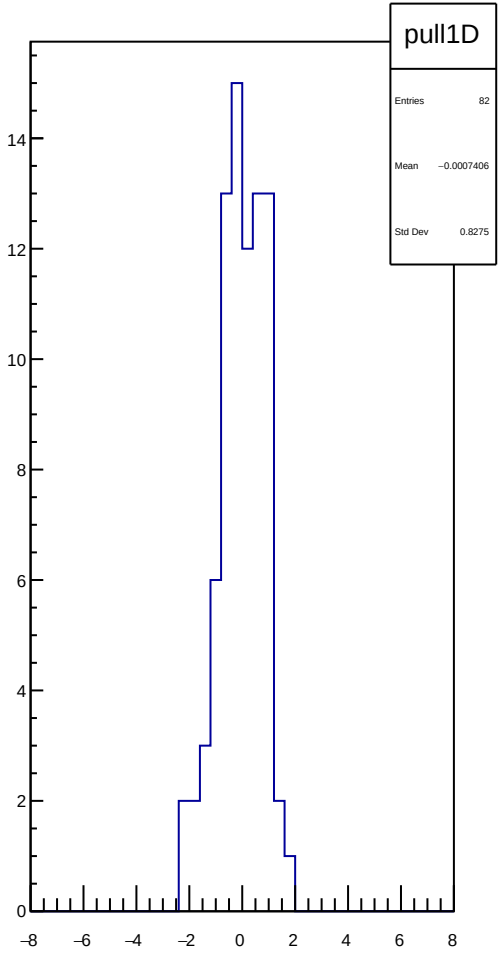

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 137.7 / 81
p0 1728 ± 1.373
1840
1820
1800
1780
1760
1740
1720
1700
1680

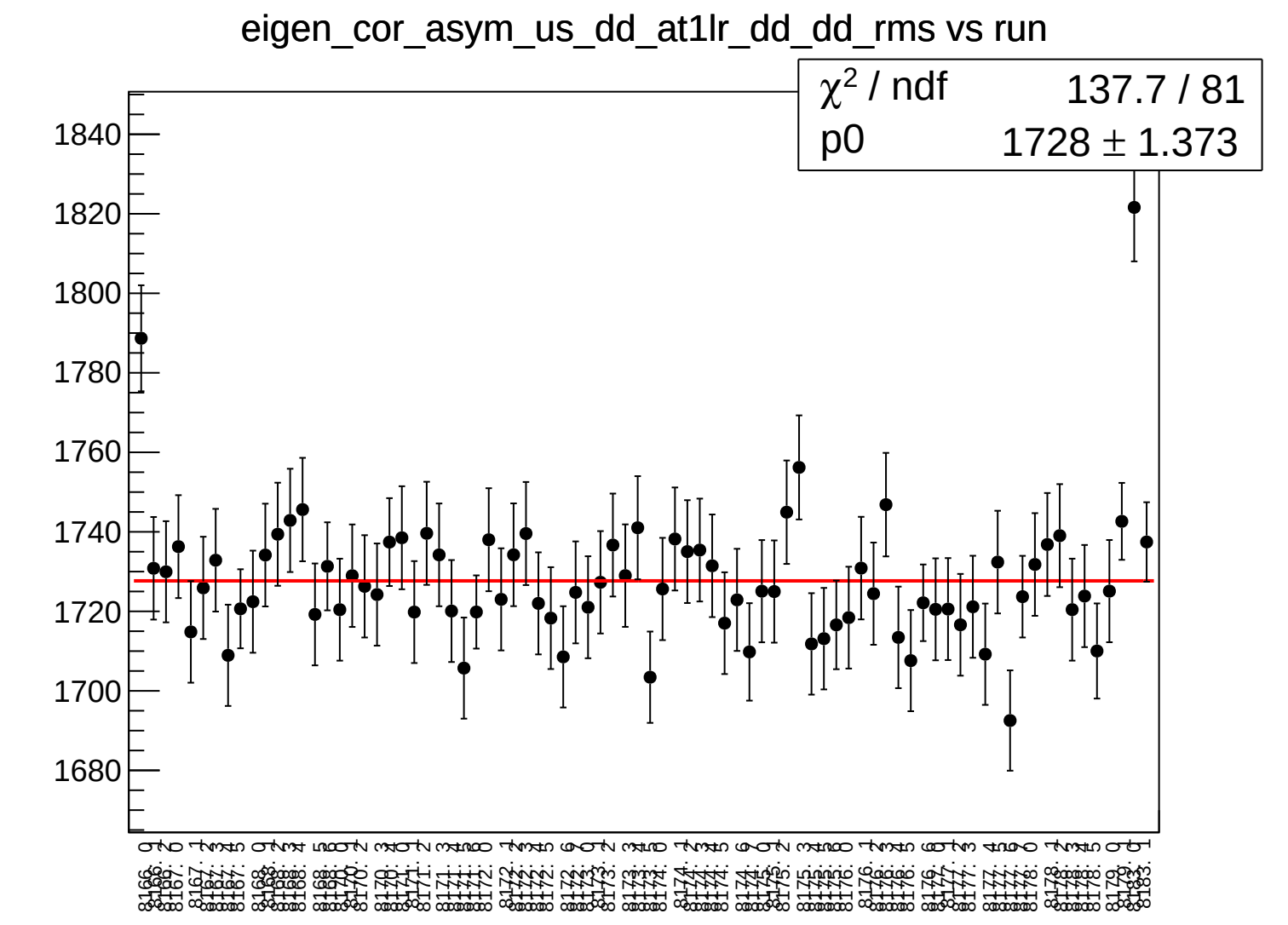

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 76.05 / 81
p0 −2658 ± 954.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 459.6
Std Dev 107.2
2
1
0
−1
−2

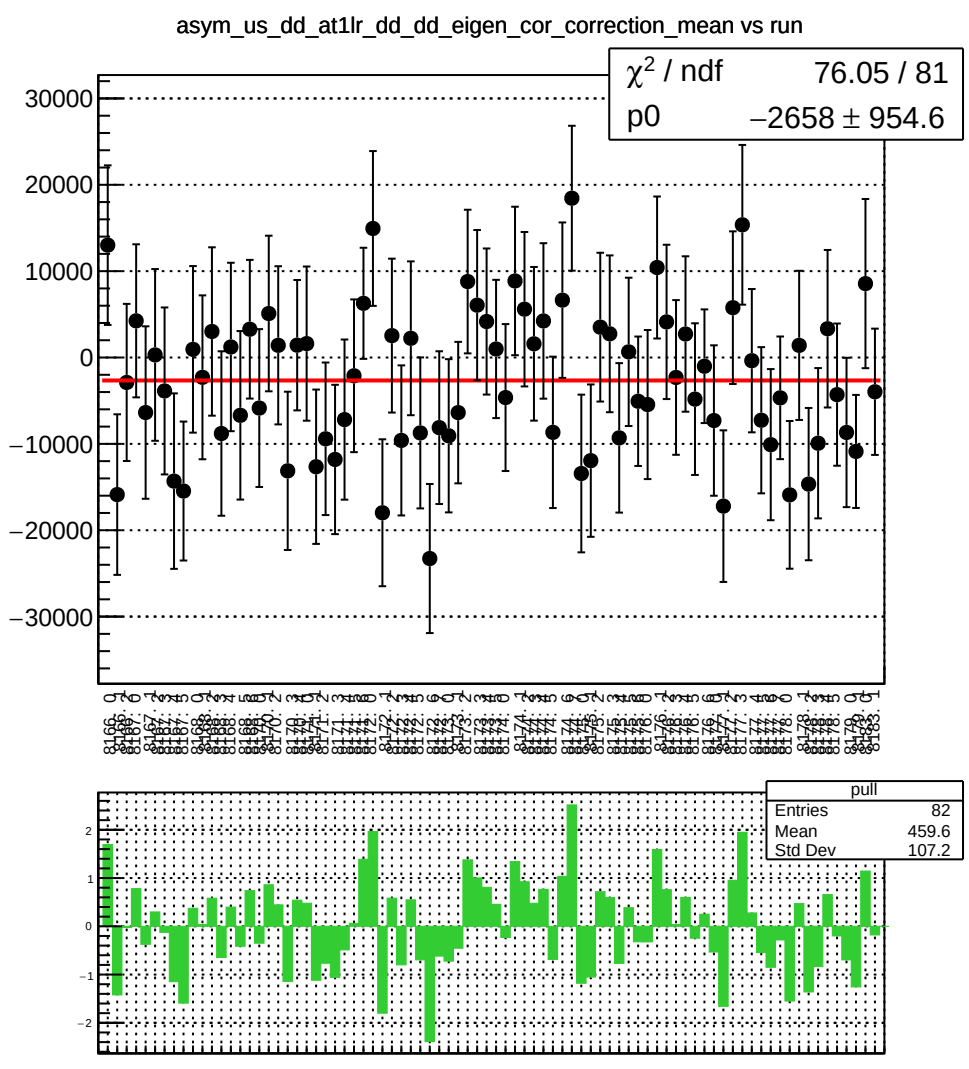

pull1D
Entries 82
Mean −0.0003289
Std Dev 0.9631
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

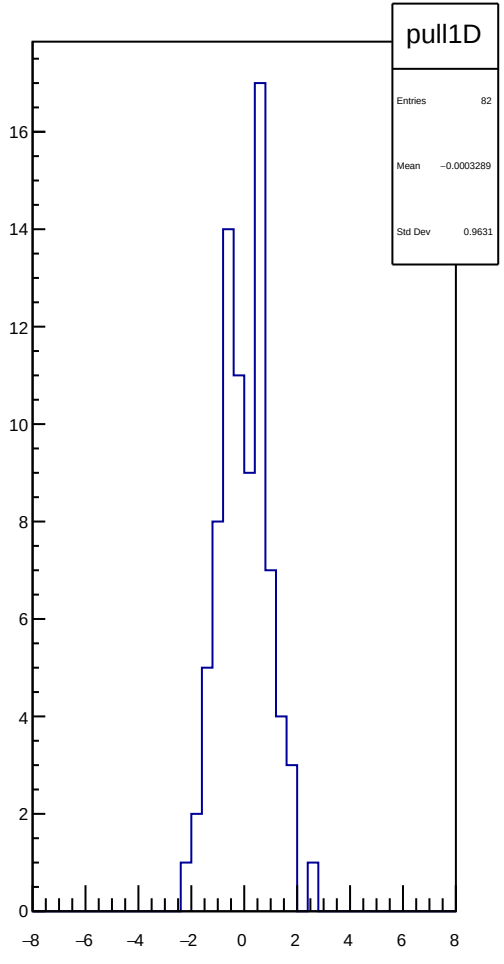

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3504 / 81
p0 848.3 ± 0.675
1000
950
900
850
800
750

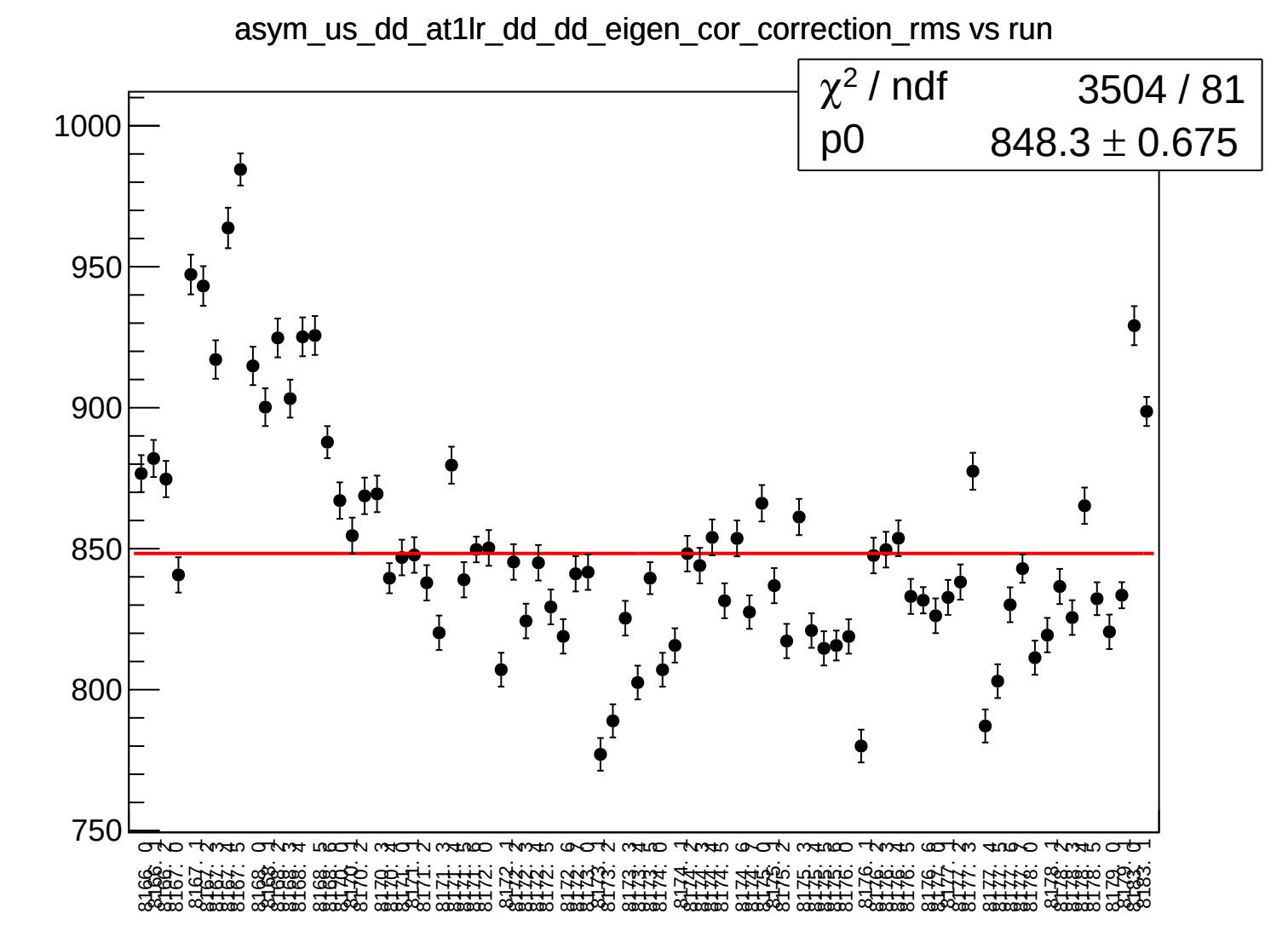

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 56.15 / 81
p0 3336 ± 1942
pull
Entries 82
Mean −3502
Std Dev 0

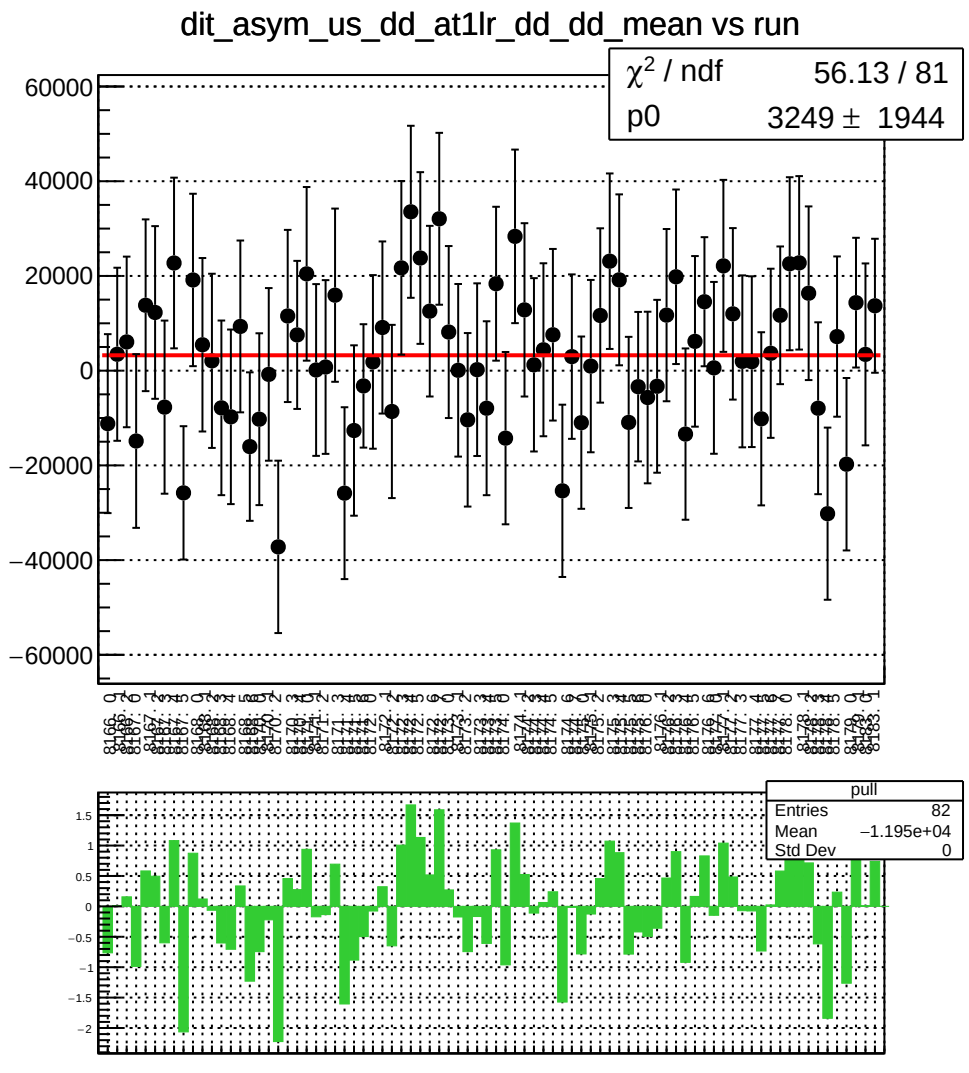

pull1D
Entries 82
Mean −0.0007406
Std Dev 0.8275

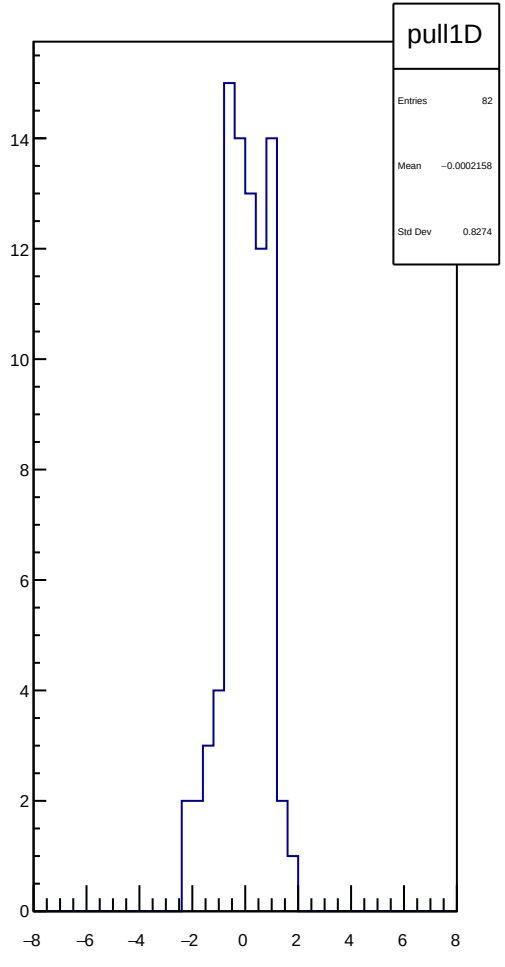

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 137.7 / 81
p0 1728 ± 1.373
1840
1820
1800
1780
1760
1740
1720
1700
1680

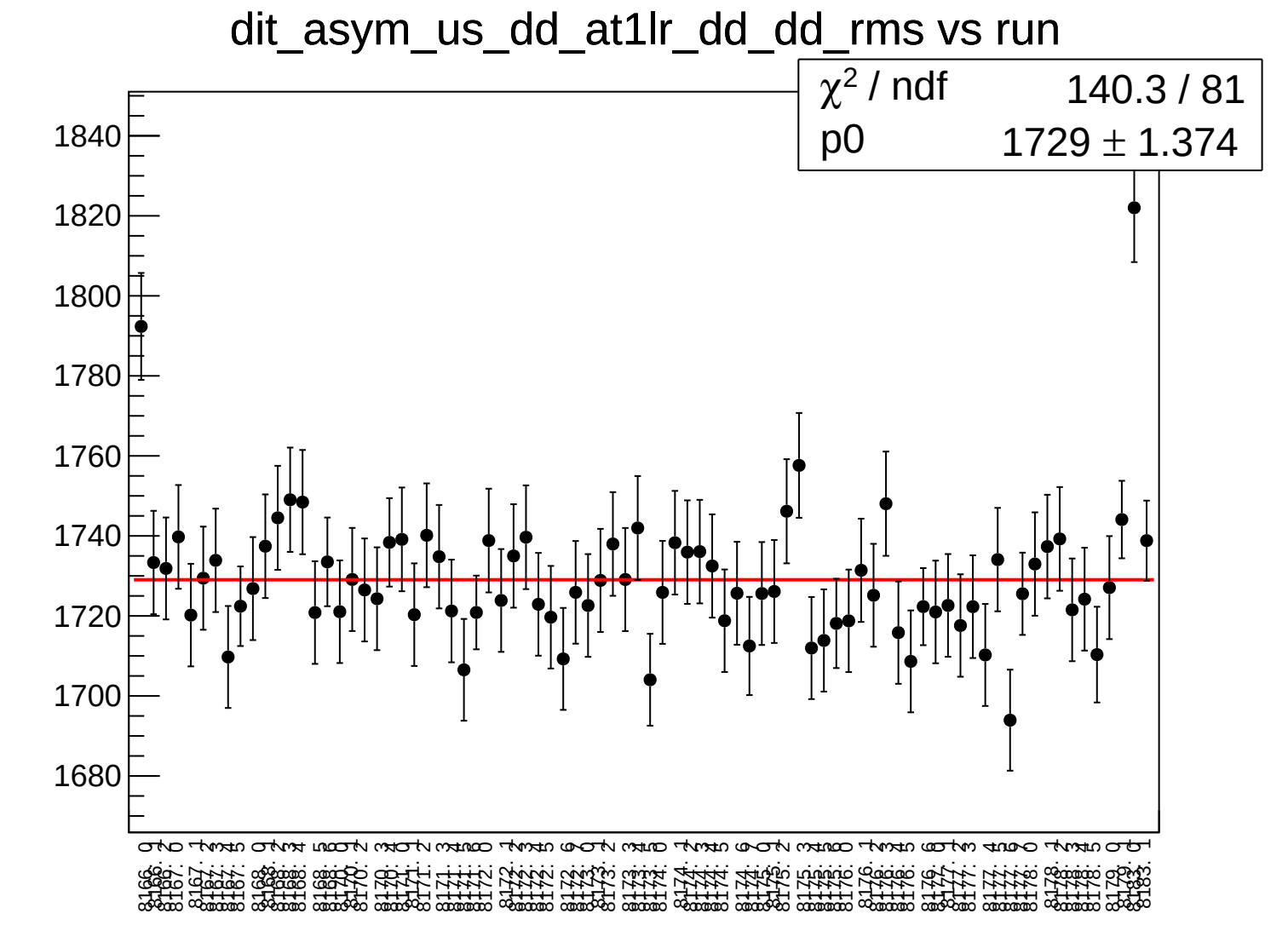

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 76.05 / 81
p0 −2658 ± 954.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 459.6
Std Dev 107.2
2
1
0
−1
−2

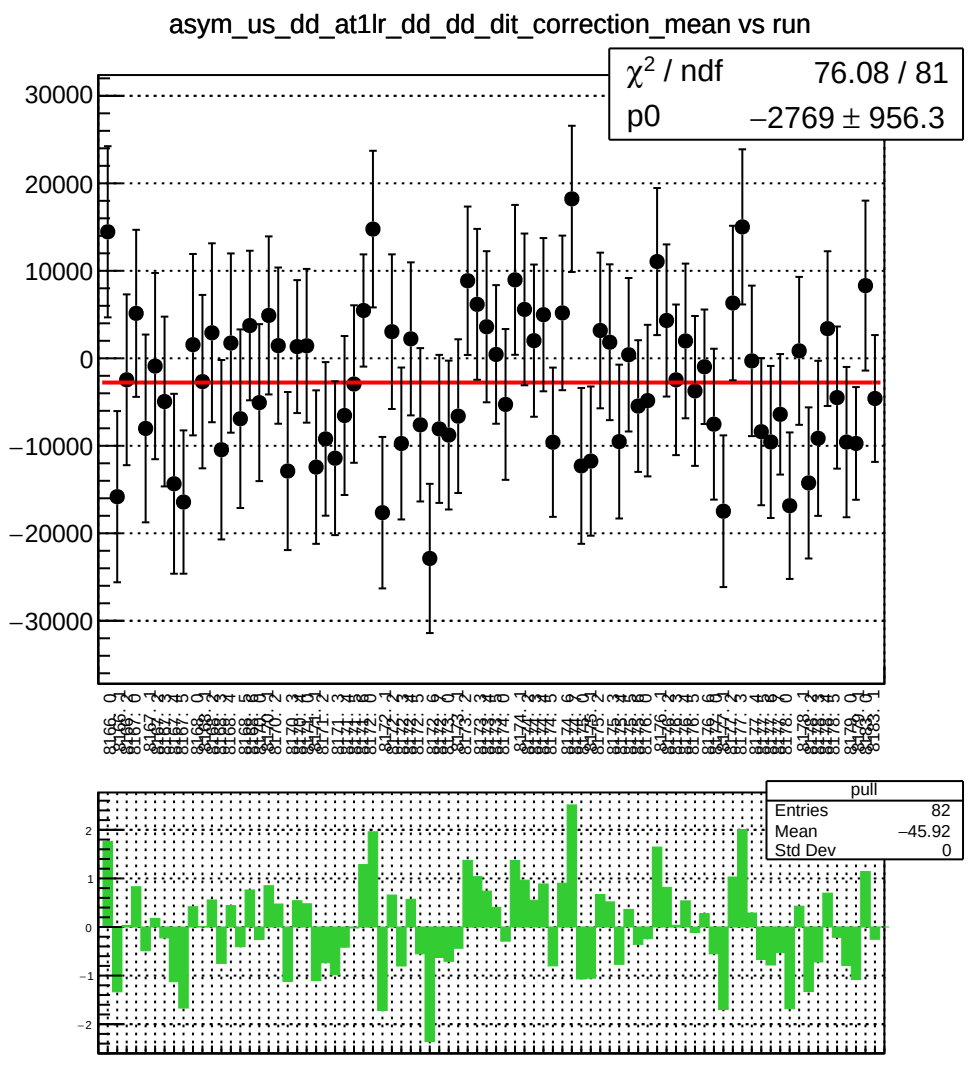

pull1D
Entries 82
Mean −0.0003289
Std Dev 0.9631
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

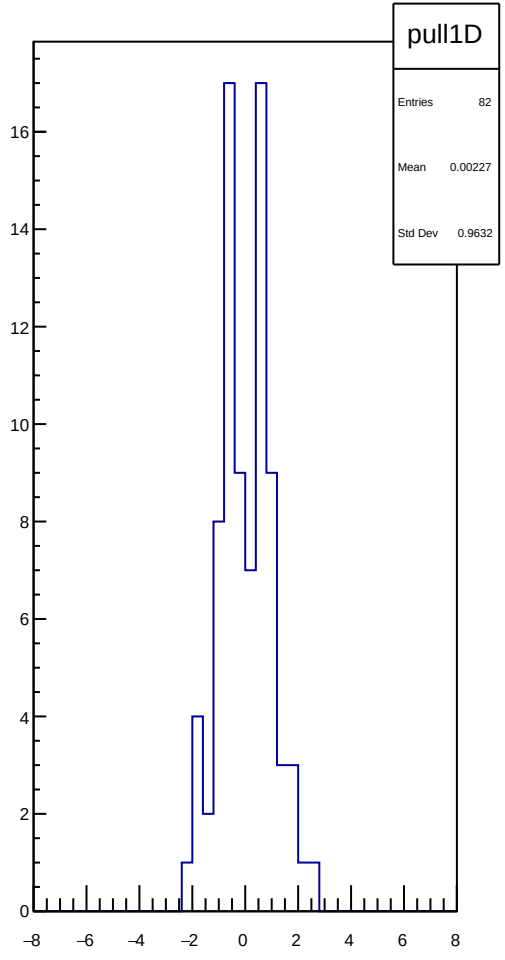

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3504 / 81
p0 848.3 ± 0.675
1000
950
900
850
800
750

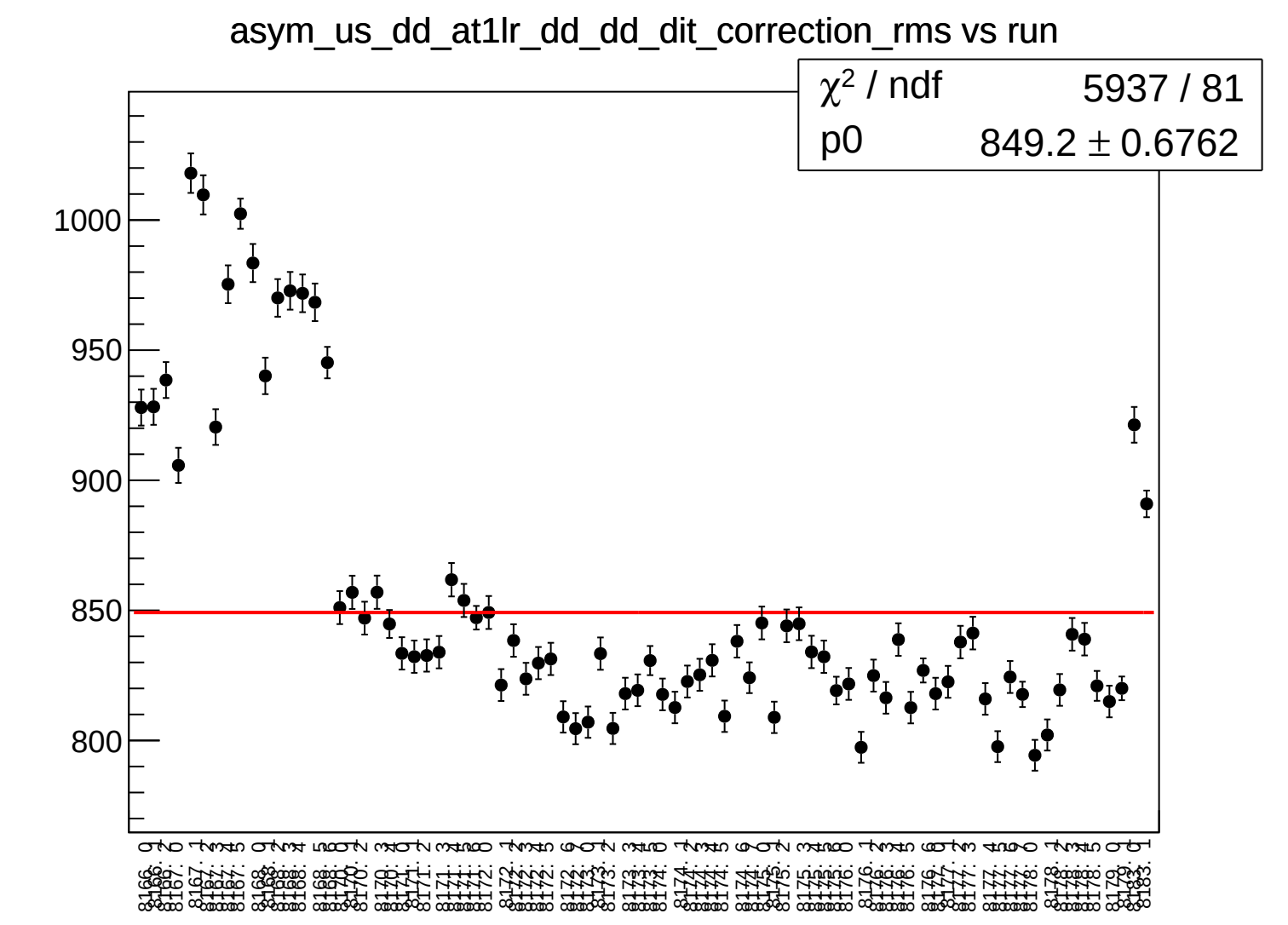

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 56.13 / 81
p0 3249 ± 1944
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1.195e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

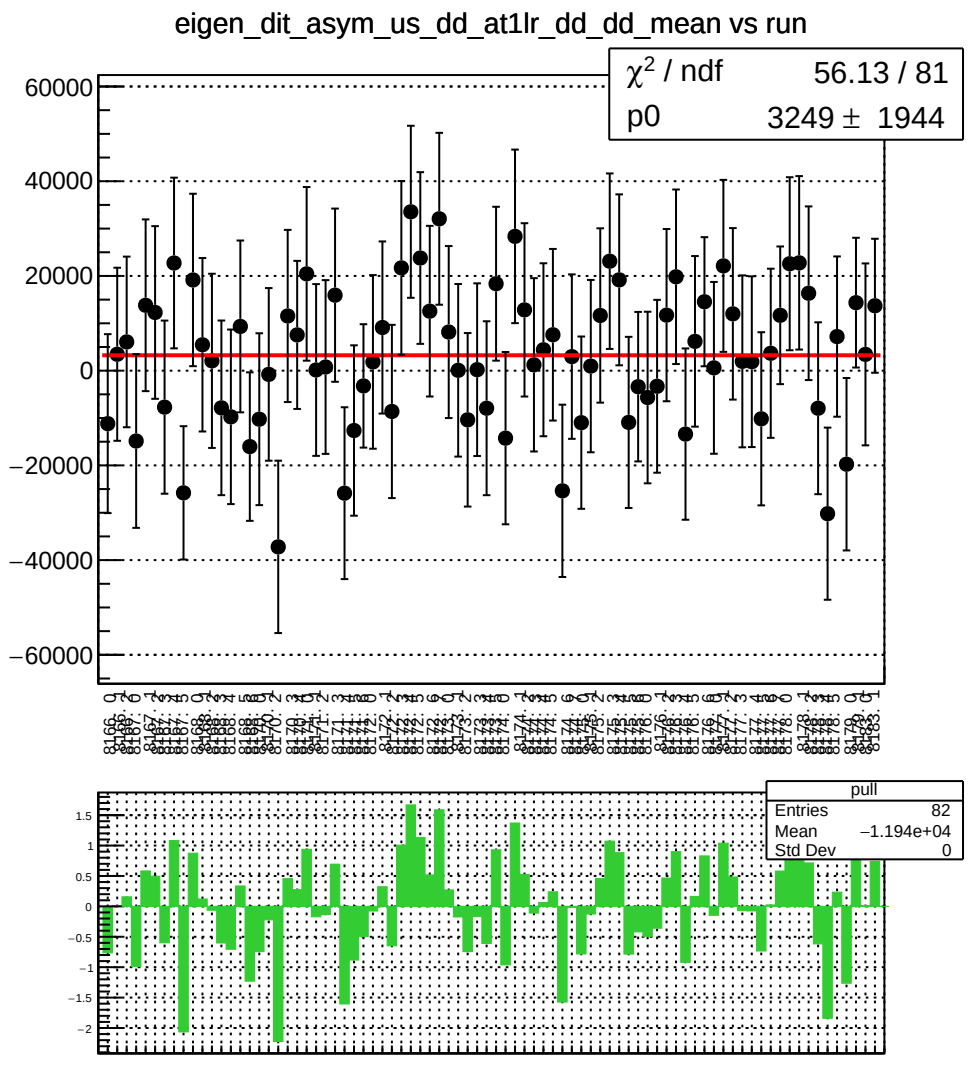

pull1D
Entries 82
Mean −0.0002158
Std Dev 0.8274
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

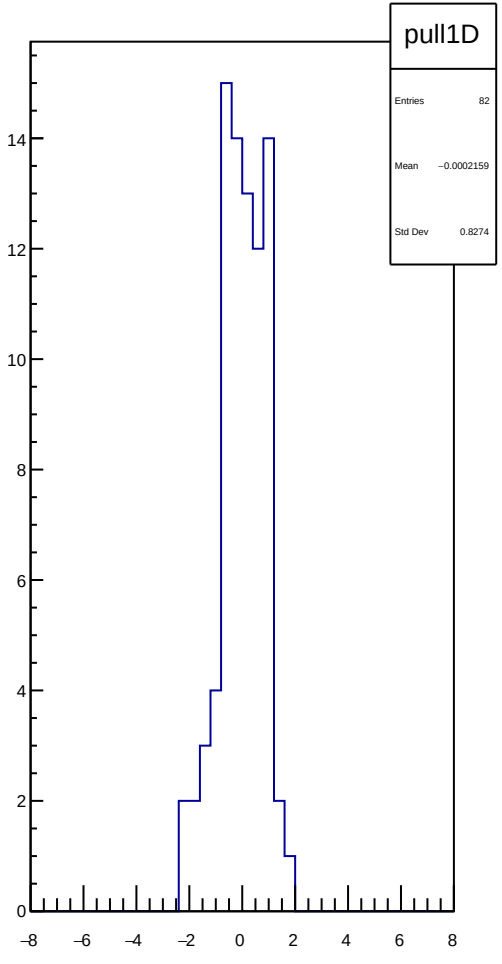

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ^2 / ndf 140.3 / 81
p0 1729 ± 1.374
1840
1820
1800
1780
1760
1740
1720
1700
1680

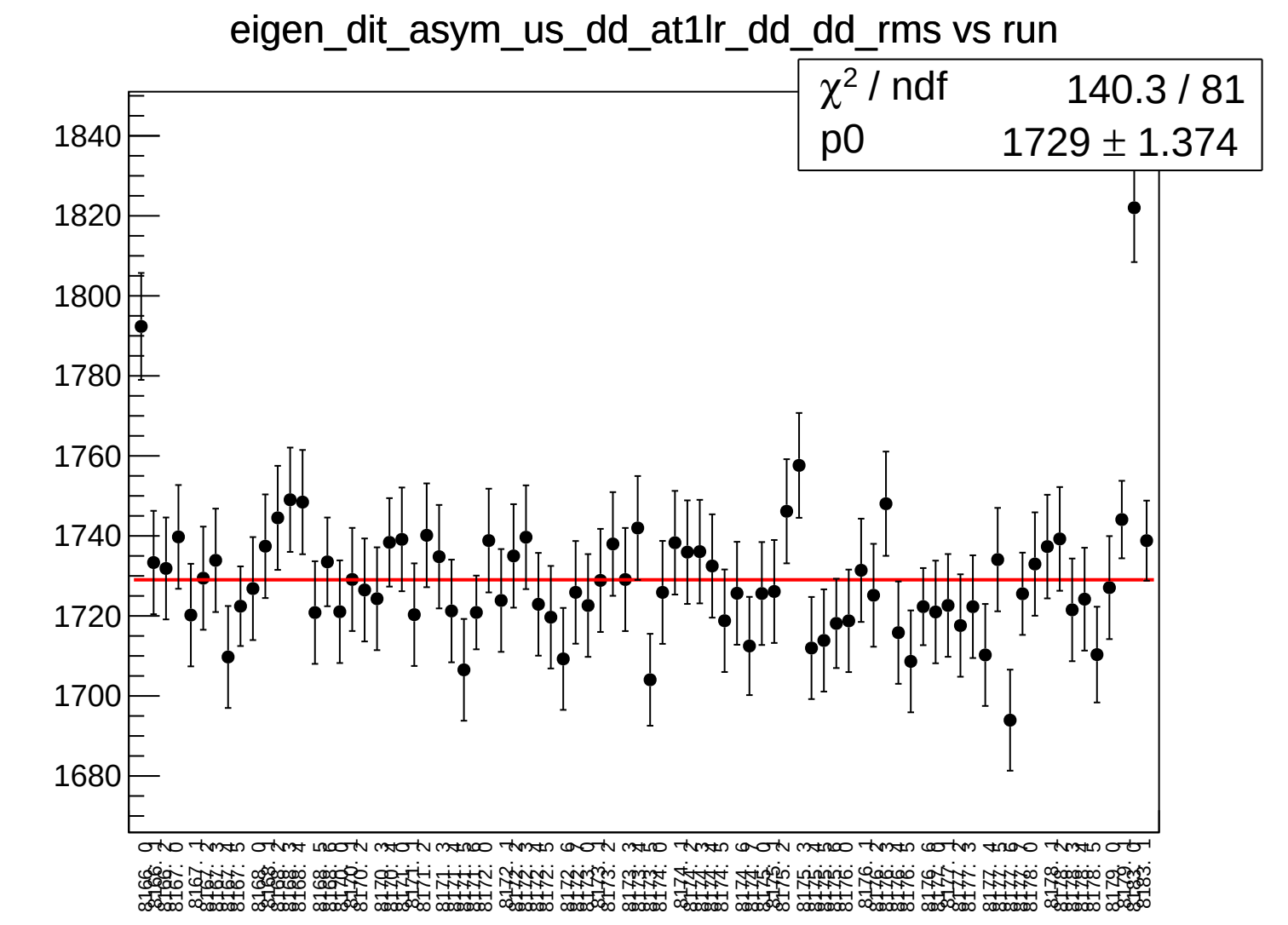

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 76.08 / 81
p0 −2769 ± 956.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −45.92
Std Dev 0
2
1
0
−1
−2

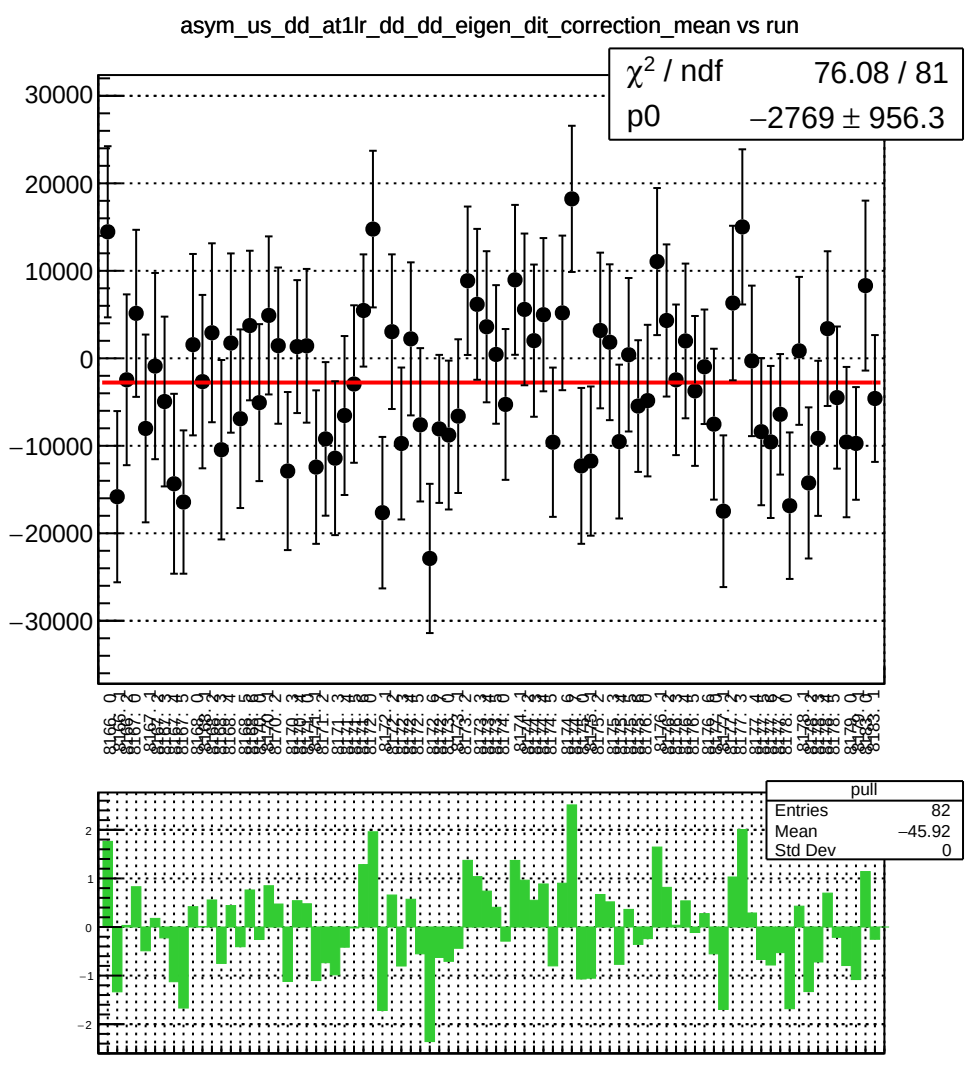

pull1D
Entries 82
Mean 0.00227
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

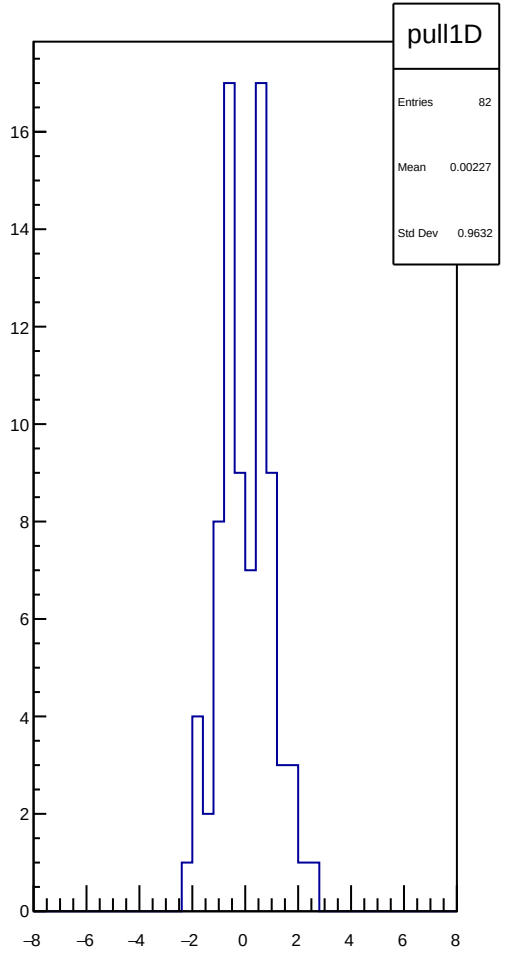

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 5937 / 81
p0 849.2 ± 0.6762
1000
950
900
850
800

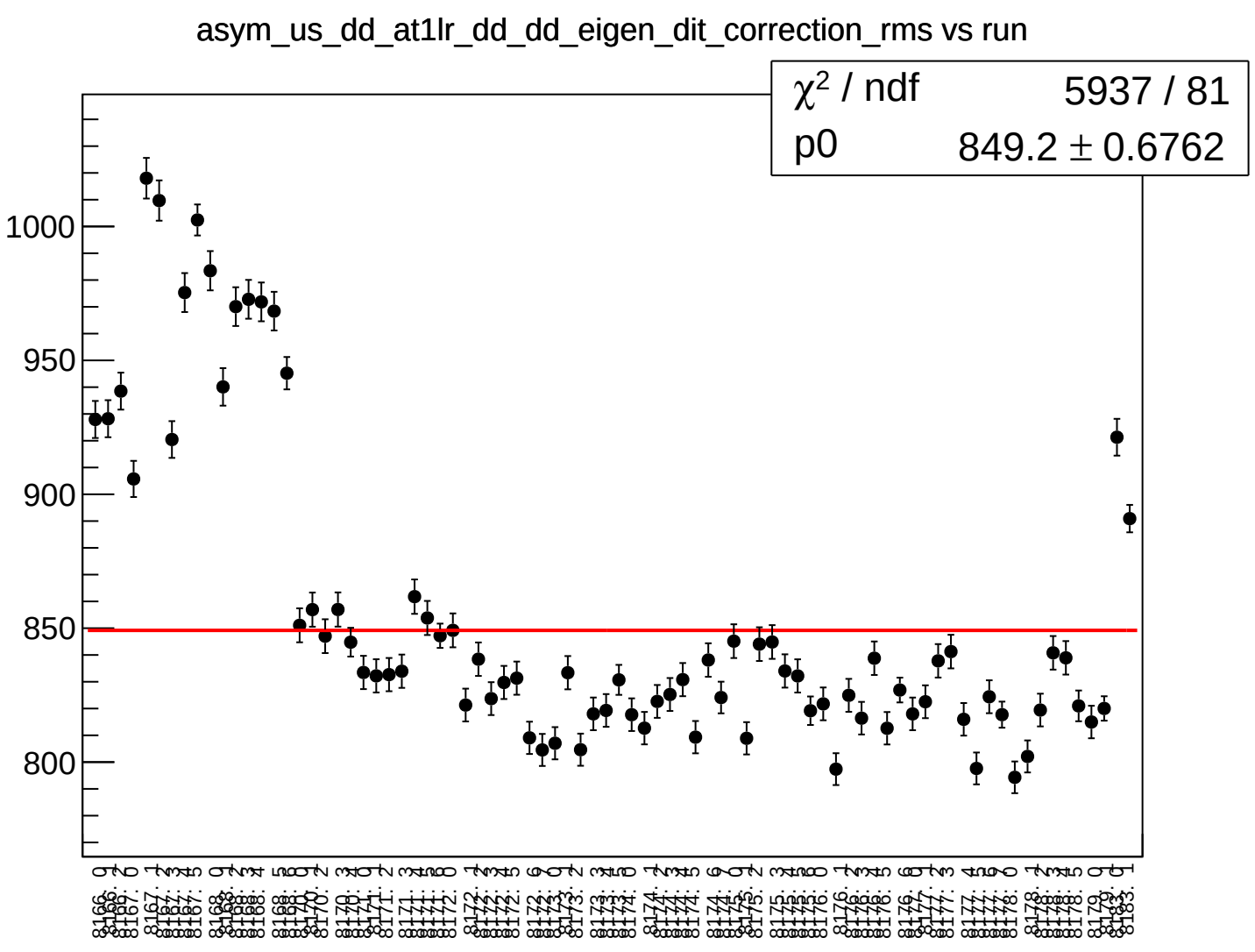

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 56.13 / 81
p0 3249 ± 1944
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1.194e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

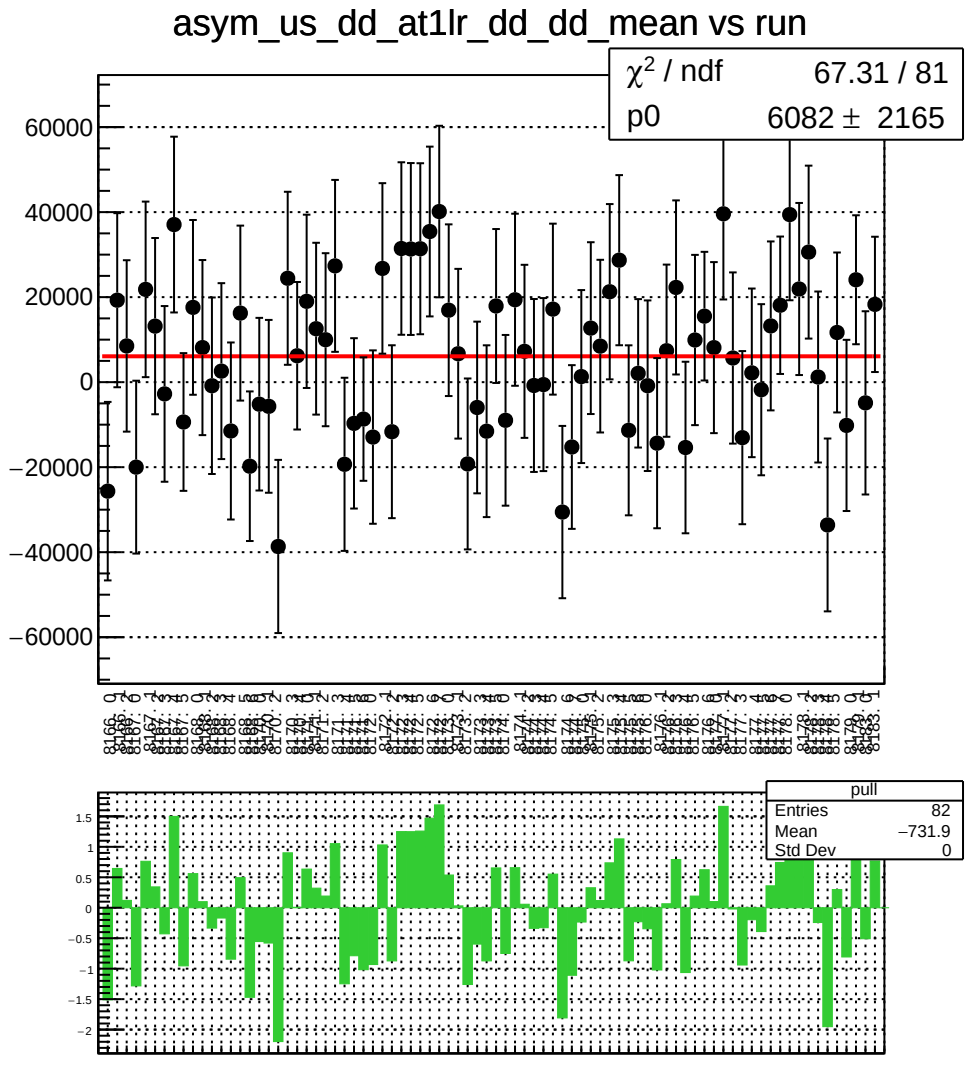

pull1D
Entries 82
Mean −0.0002159
Std Dev 0.8274
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

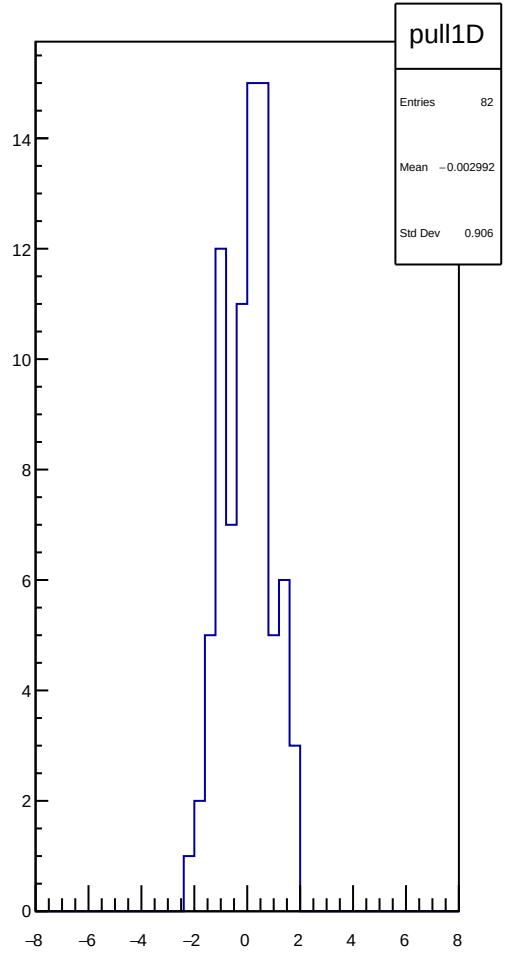

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 140.3 / 81
p0 1729 ± 1.374
1840
1820
1800
1780
1760
1740
1720
1700
1680

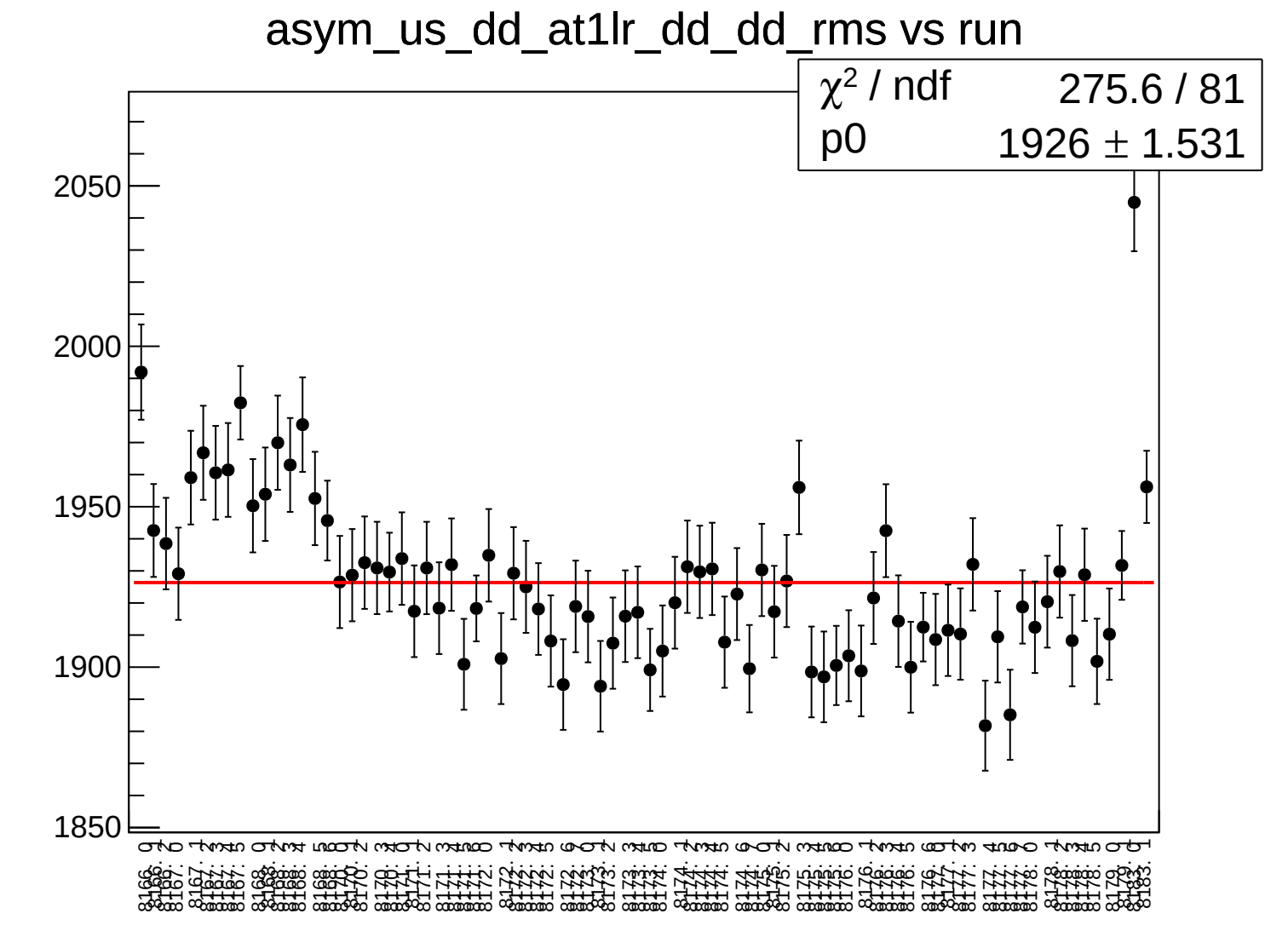

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.08 / 81
p0 −2769 ± 956.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −45.92
Std Dev 0
2
1
0
−1
−2

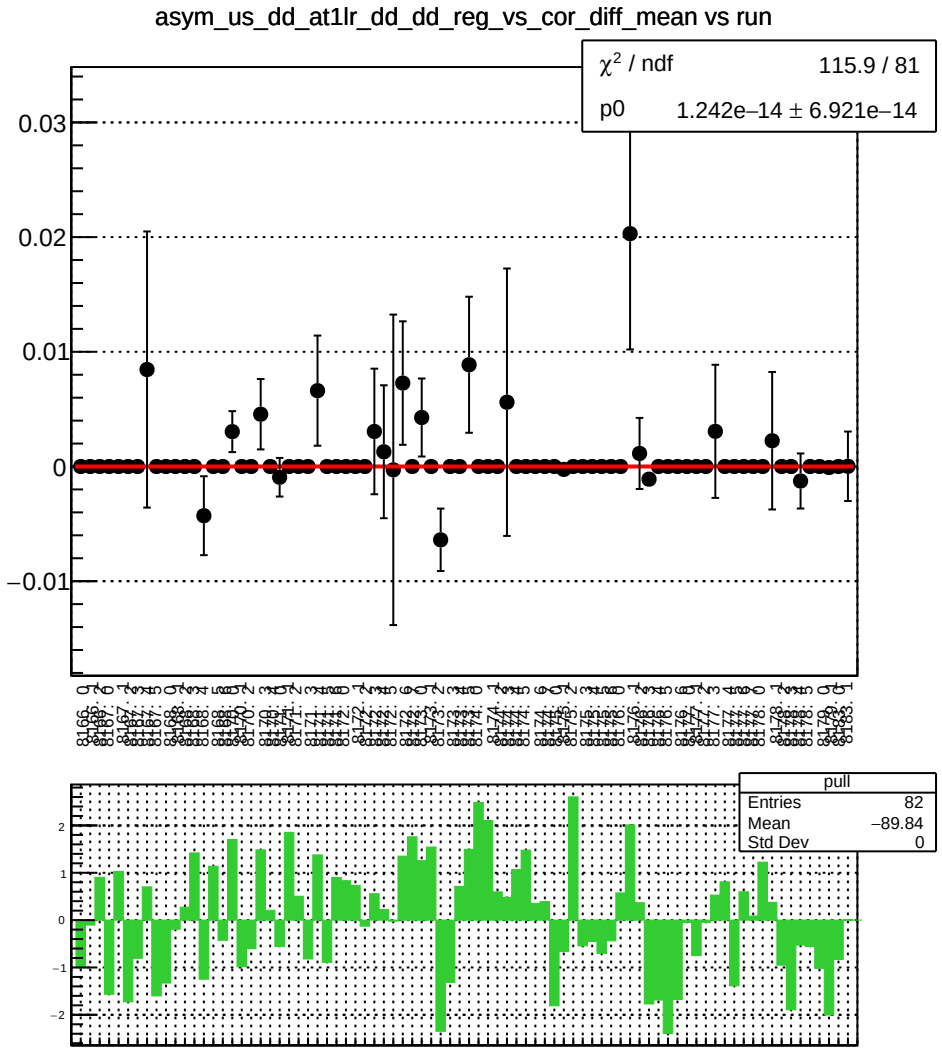

pull1D
Entries 82
Mean 0.00227
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

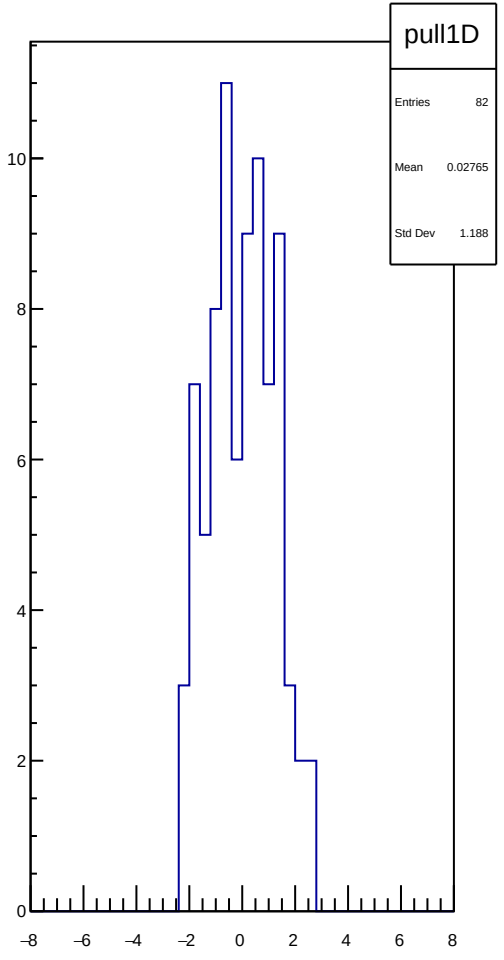

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5937 / 81
p0 849.2 ± 0.6762
1000
950
900
850
800

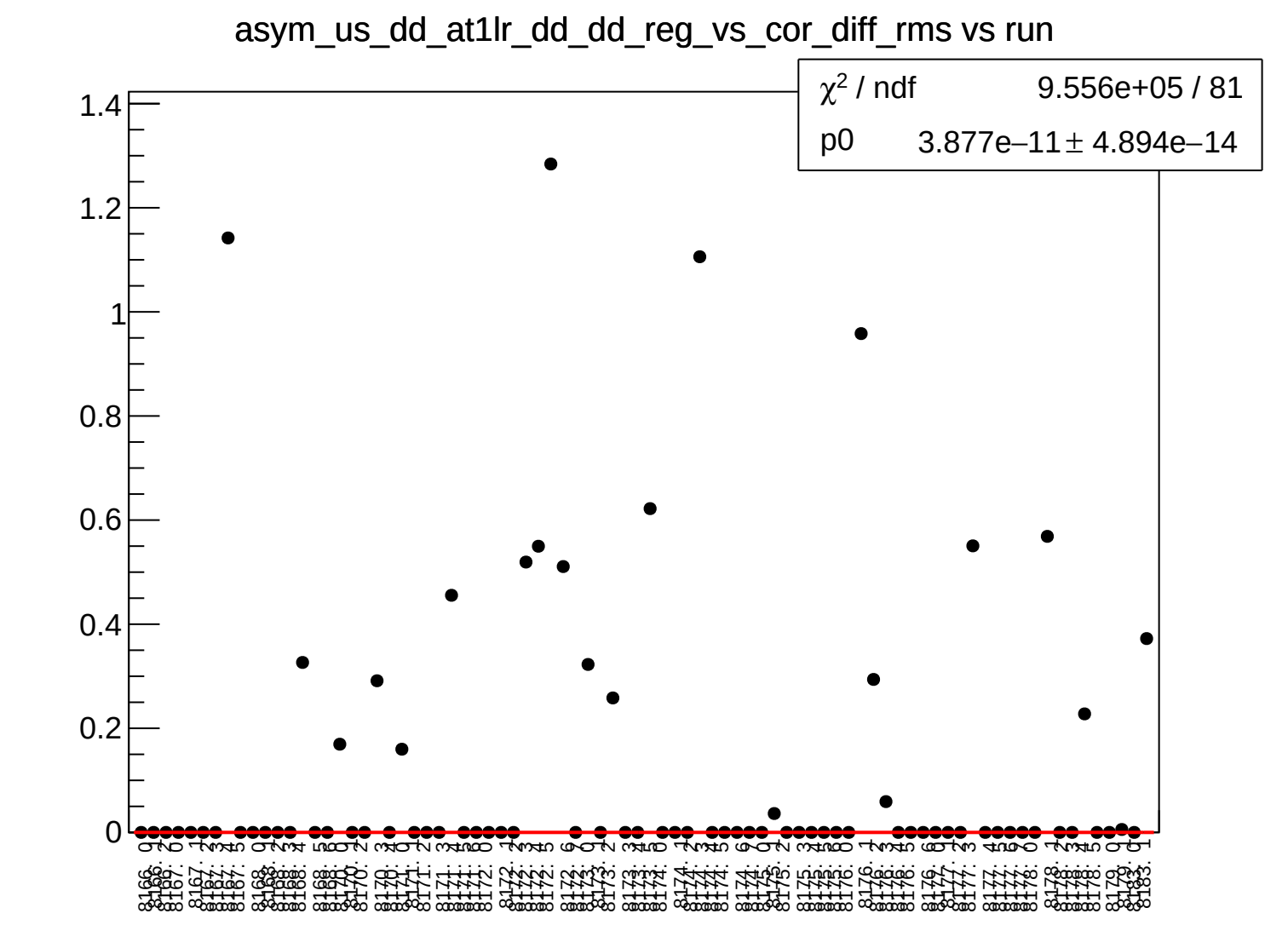

asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 67.31 / 81
p0 6082 ± 2165
pull
Entries 82
Mean −731.9
Std Dev 0

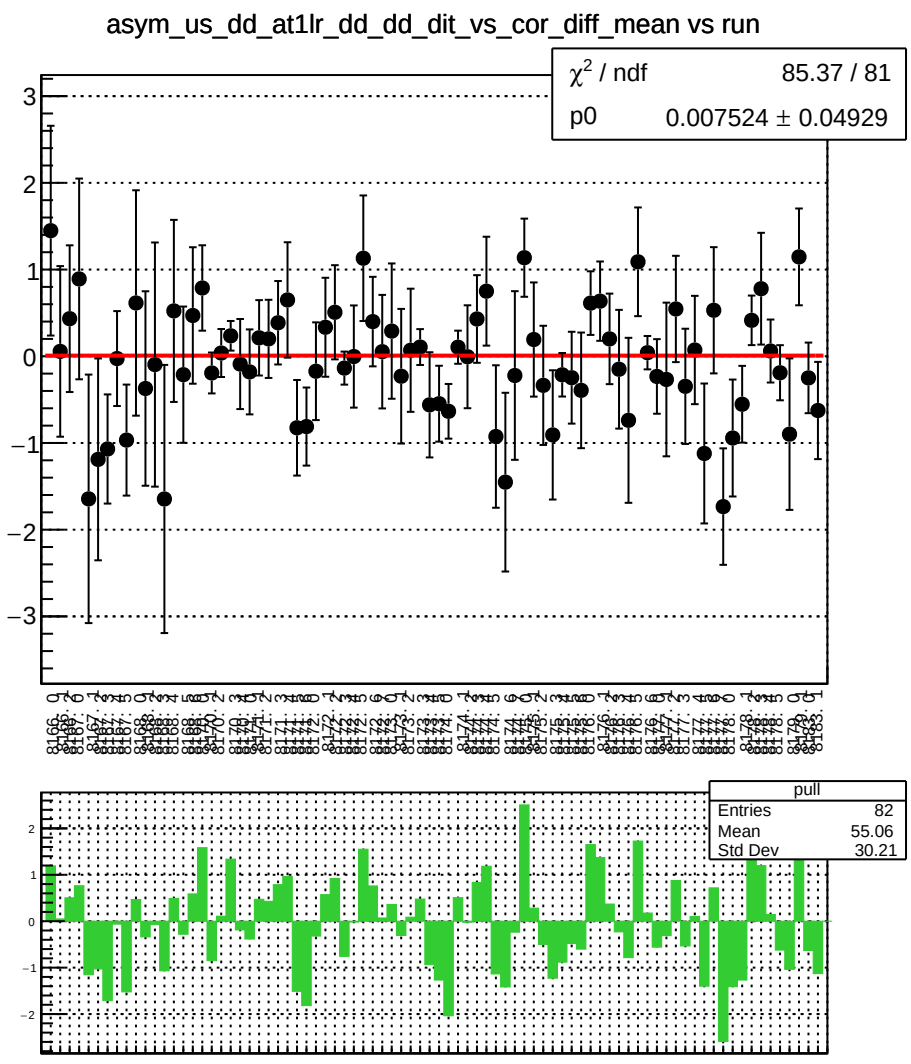

pull1D
Entries 82
Mean −0.002992
Std Dev 0.906

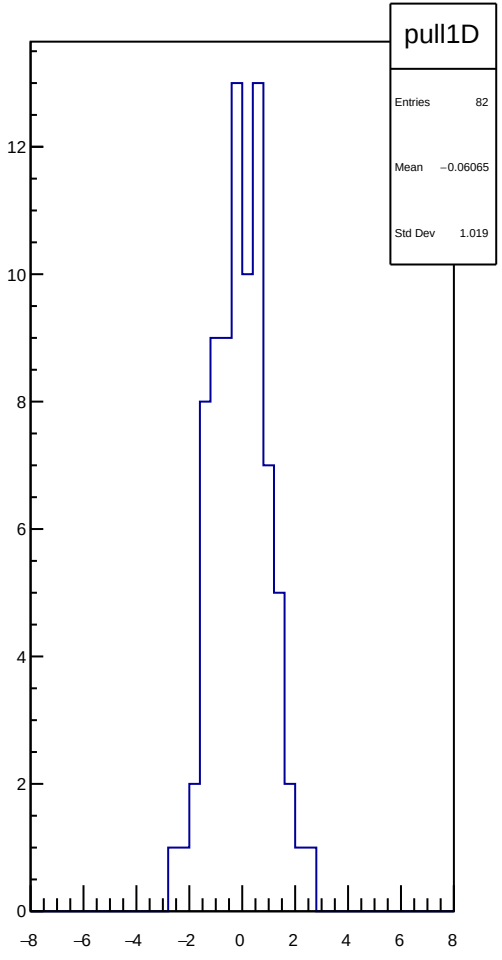

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 275.6 / 81
p0 1926 ± 1.531
2050
2000
1950
1900
1850

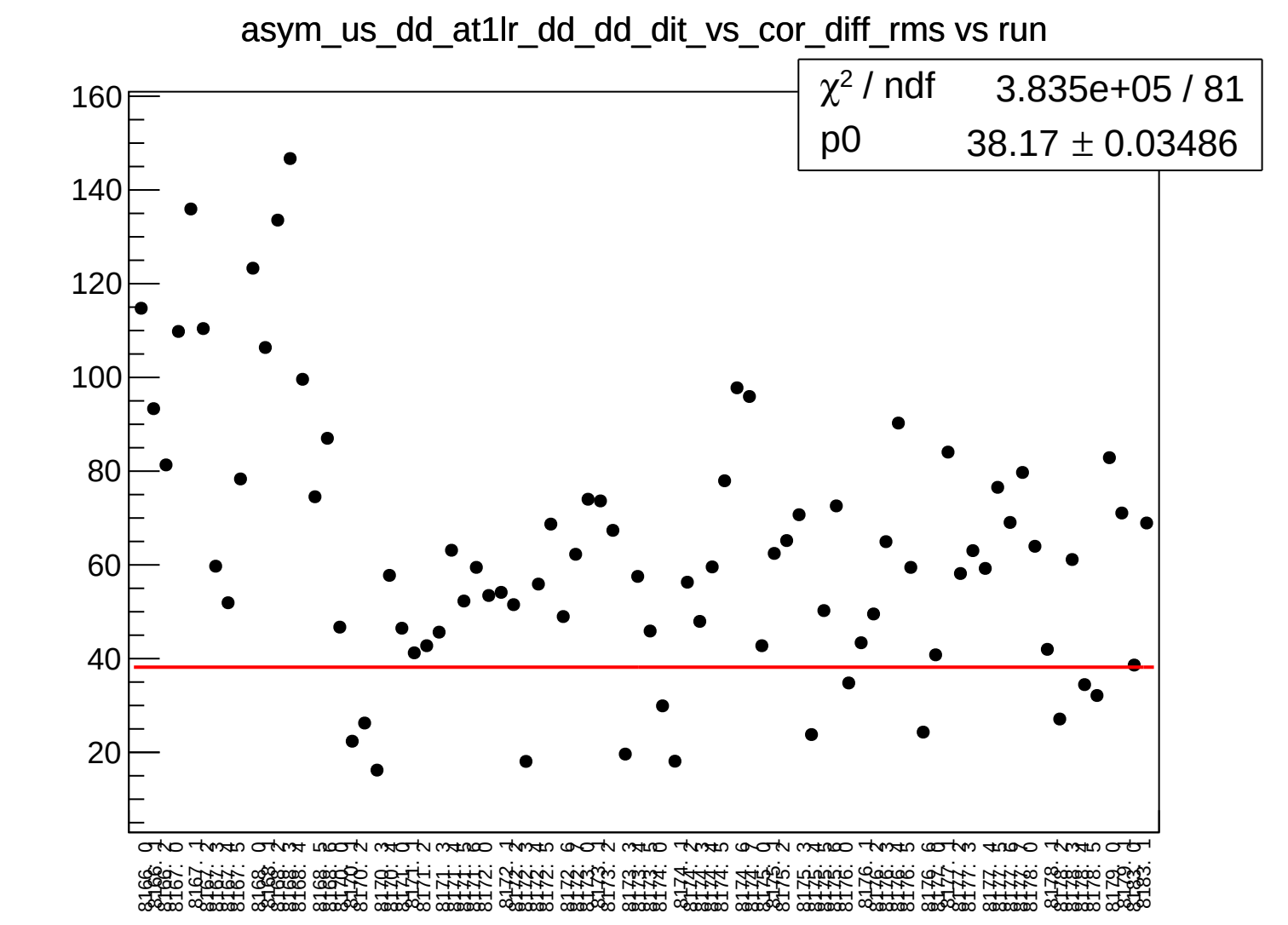

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 115.9 / 81
p0 1.242e−14 ± 6.921e−14
0.03
0.02
0.01
0
−0.01
pull
Entries 82
Mean −89.84
Std Dev 0
2
1
0
−1
−2

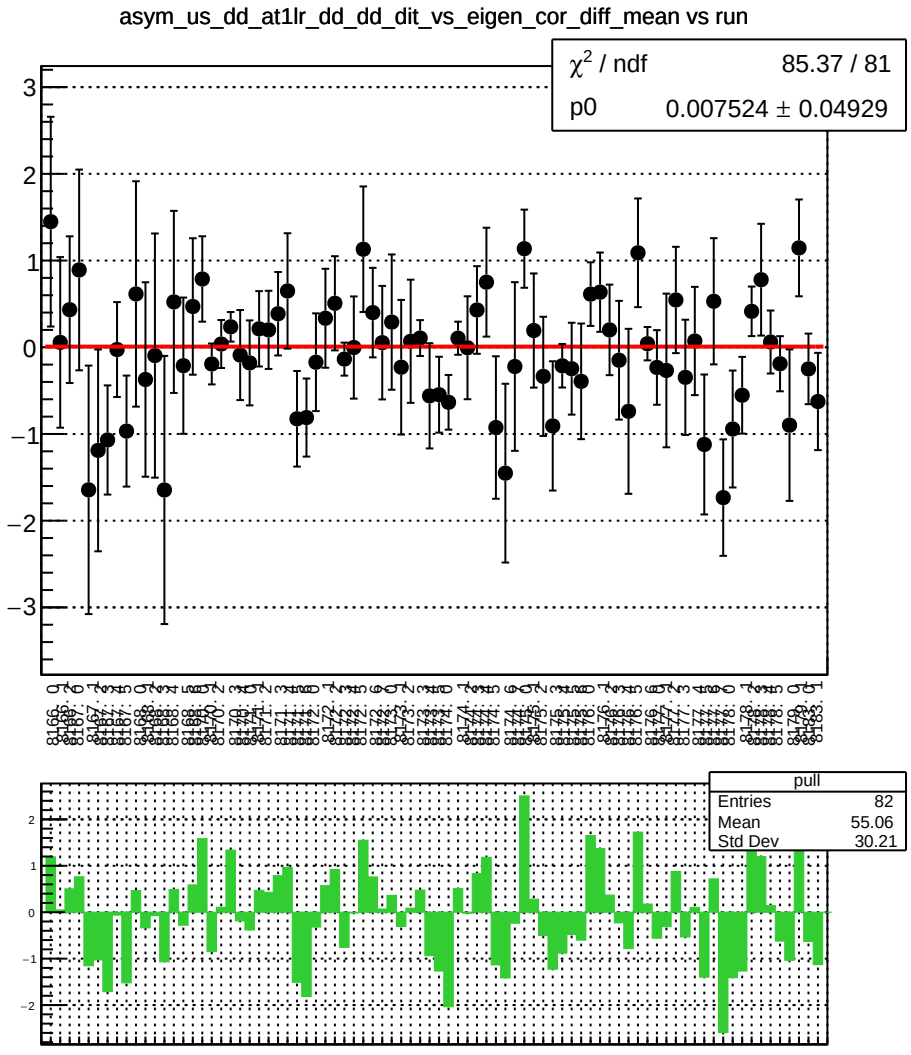

pull1D
Entries 82
Mean 0.02765
Std Dev 1.188
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

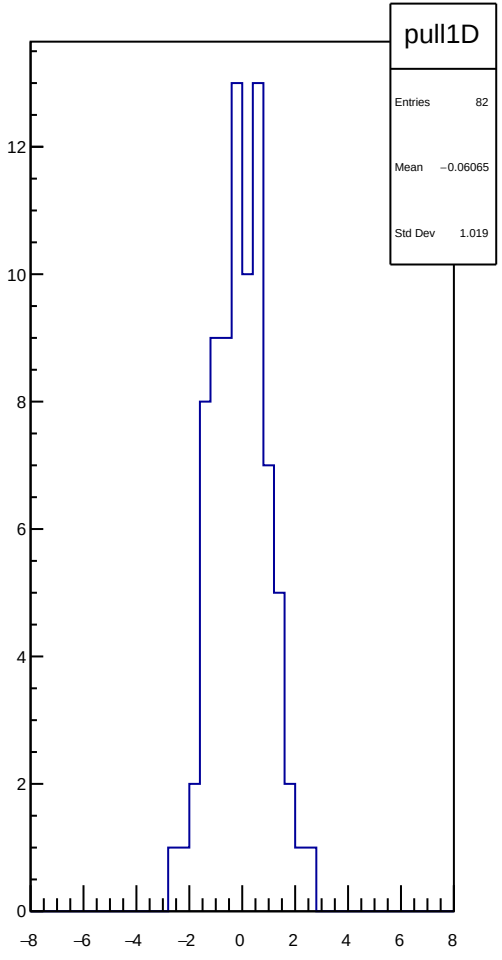

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.556e+05 / 81
p0 3.877e−11 ± 4.894e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0

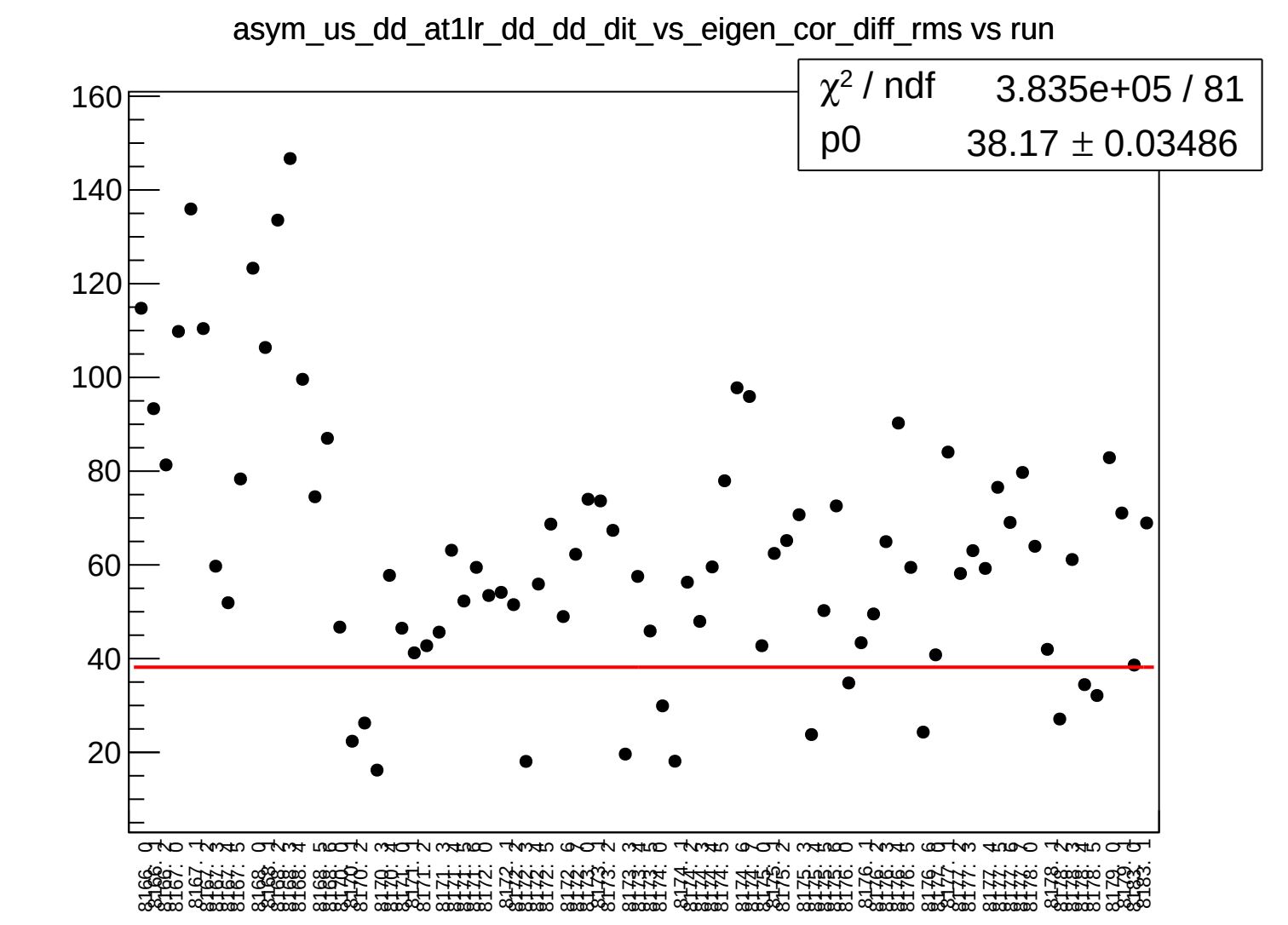

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.37 / 81
p0 0.007524 ± 0.04929
pull
Entries 82
Mean 55.06
Std Dev 30.21

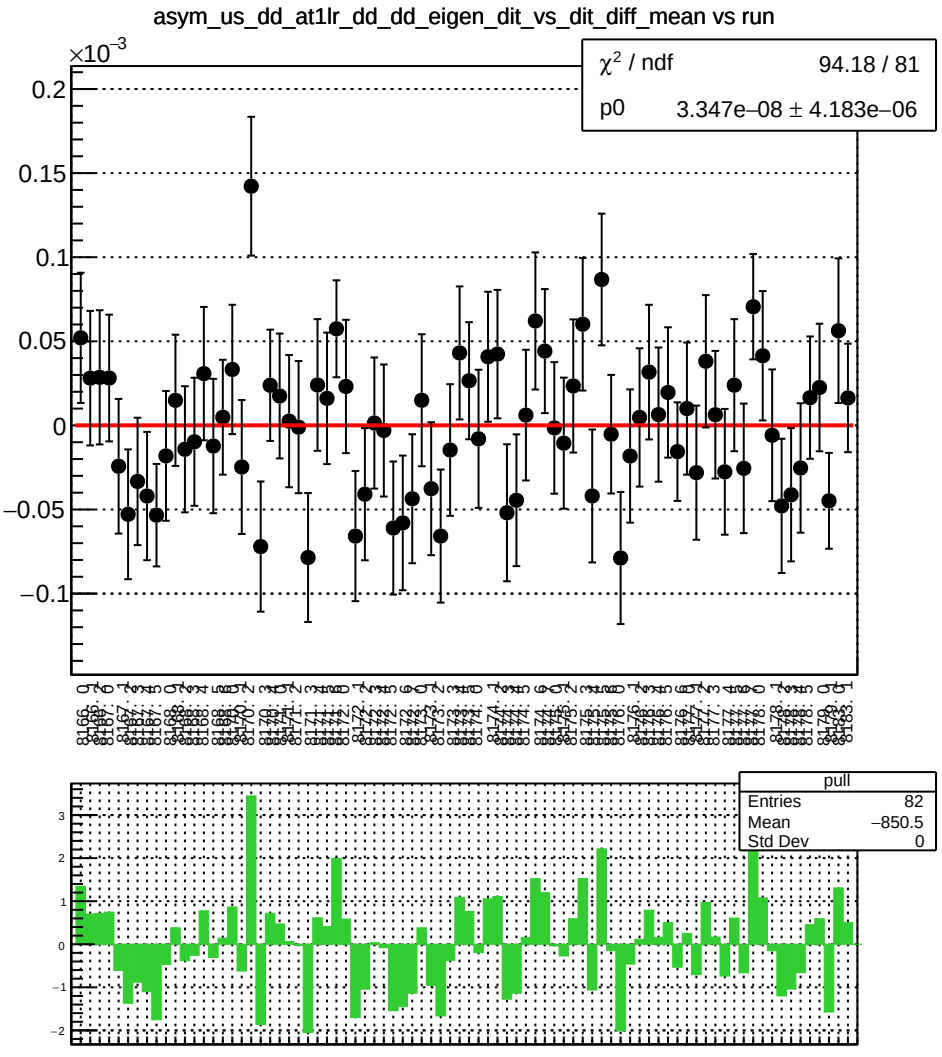

pull1D
Entries 82
Mean −0.06065
Std Dev 1.019

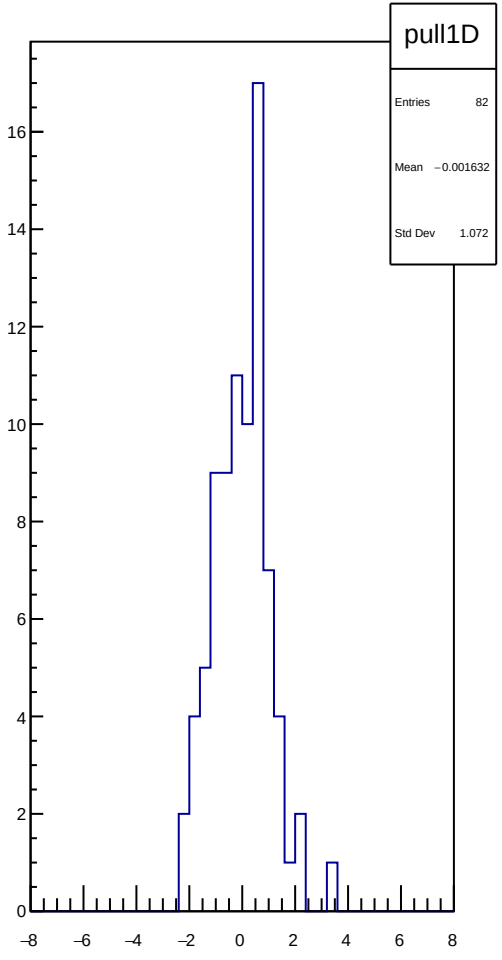

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.835e+05 / 81
p0 38.17 ± 0.03486
160
140
120
100
80
60
40
20

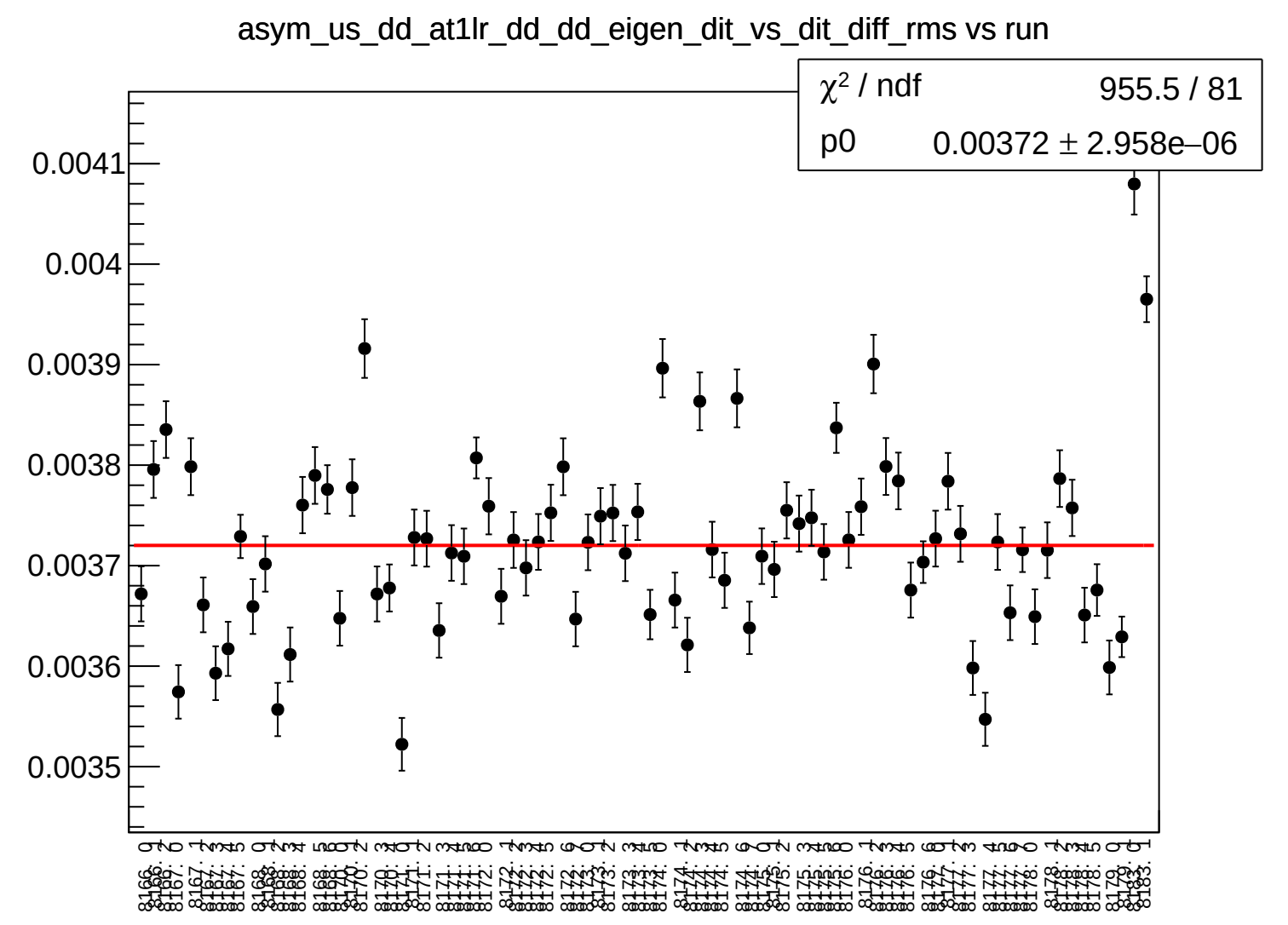

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.37 / 81
p0 0.007524 ± 0.04929
pull
Entries 82
Mean 55.06
Std Dev 30.21

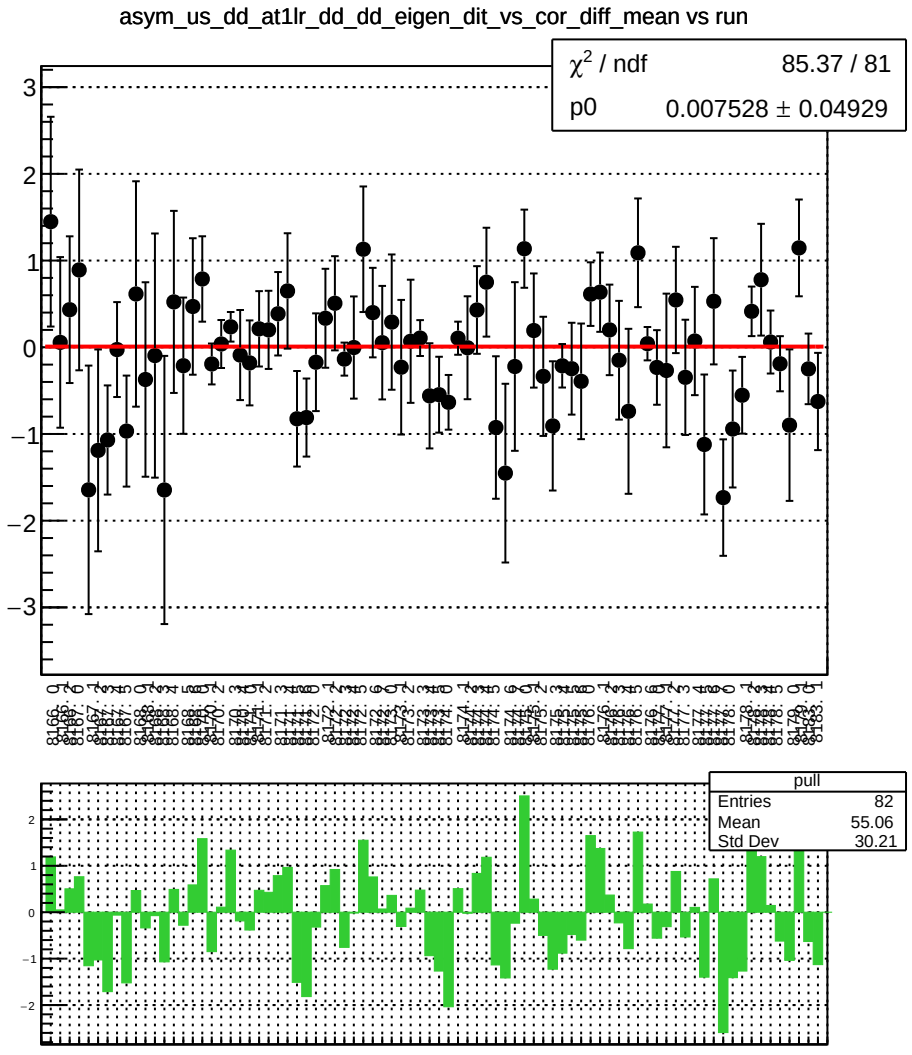

pull1D
Entries 82
Mean −0.06065
Std Dev 1.019

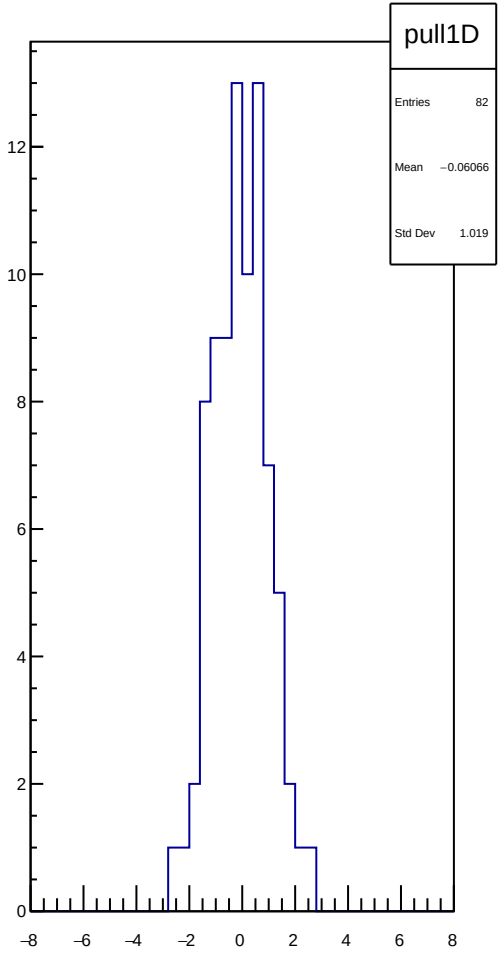

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.835e+05 / 81
p0 38.17 ± 0.03486
160
140
120
100
80
60
40
20

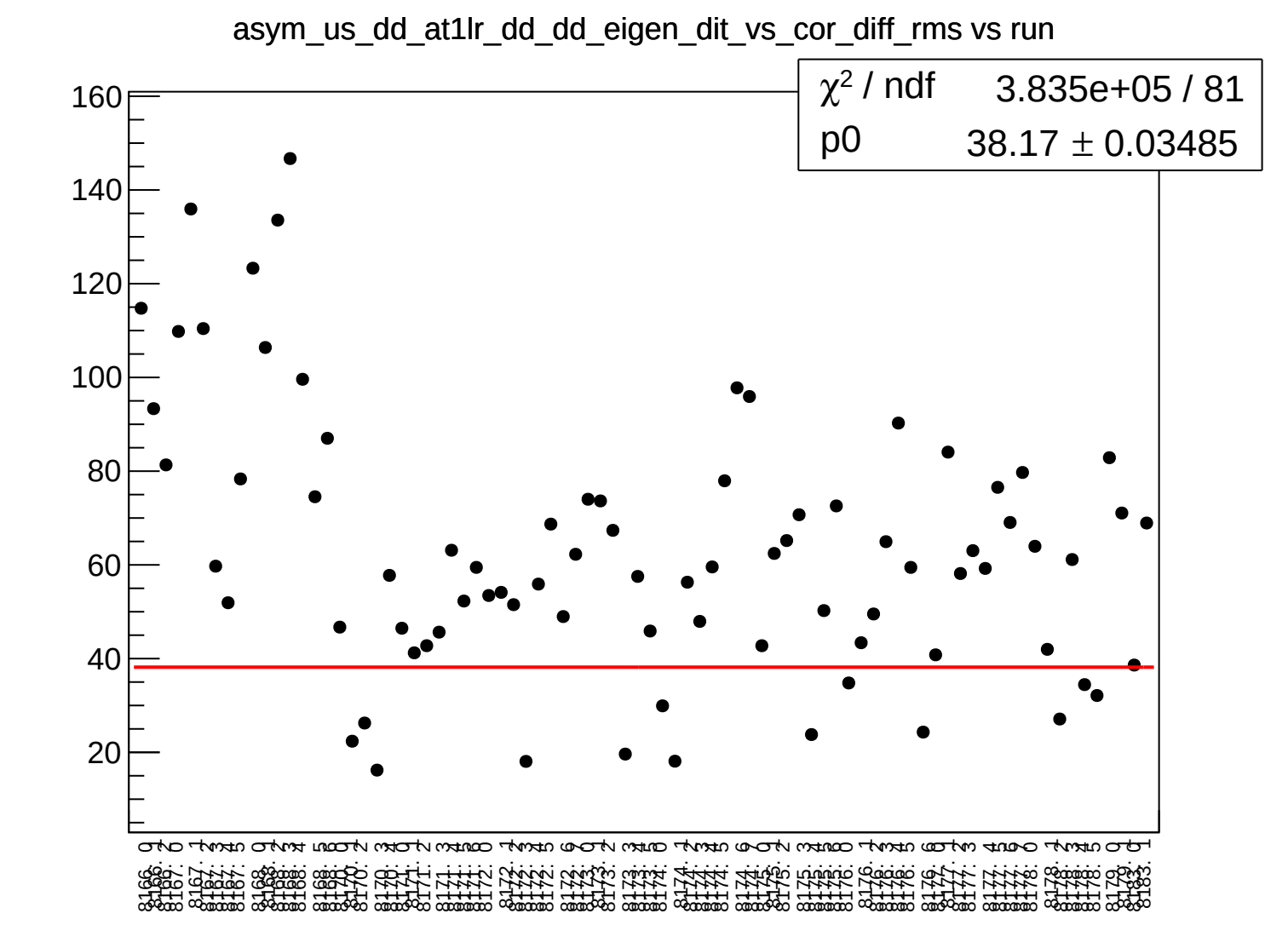

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.18 / 81
p0 3.347e−08 ± 4.183e−06
pull
Entries 82
Mean −850.5
Std Dev 0

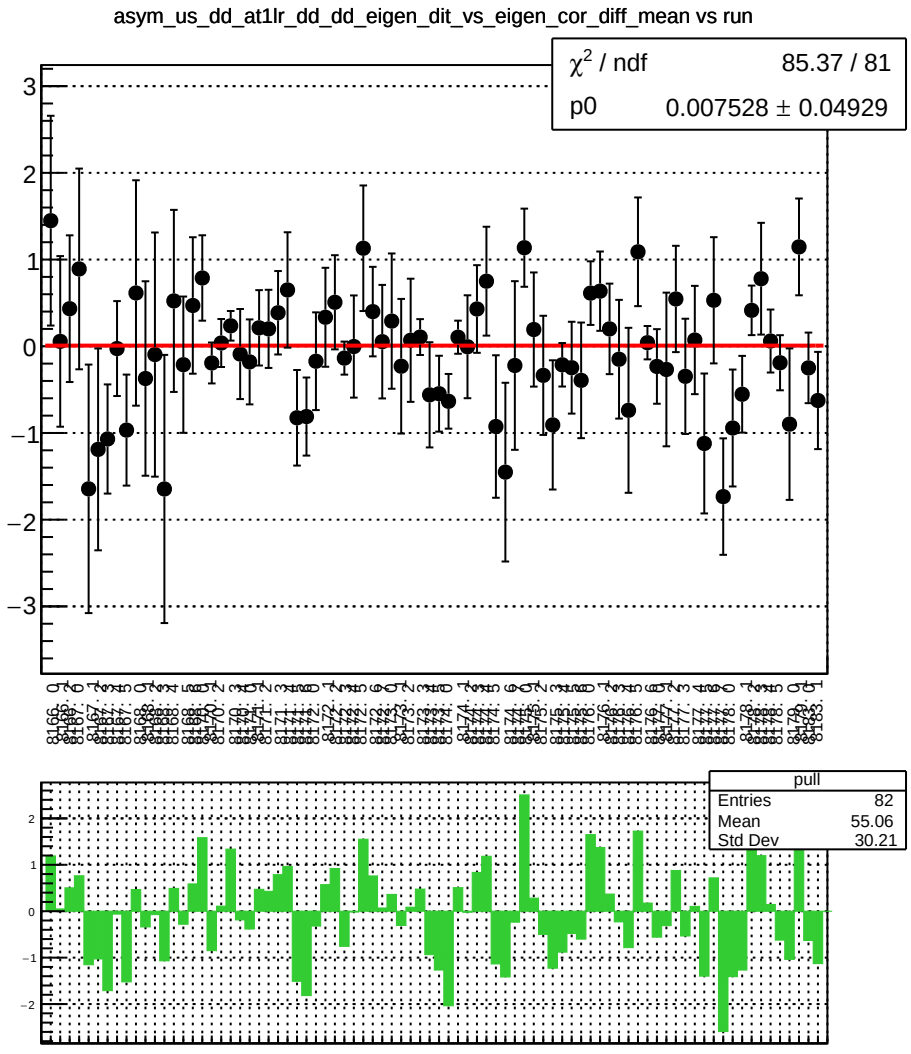

pull1D
Entries 82
Mean −0.001632
Std Dev 1.072

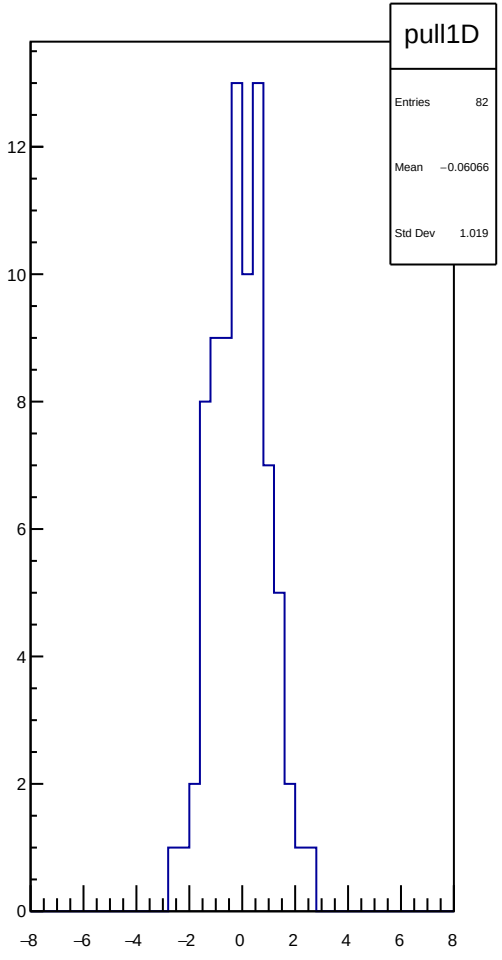

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 955.5 / 81
p0 0.00372 ± 2.958e−06
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035

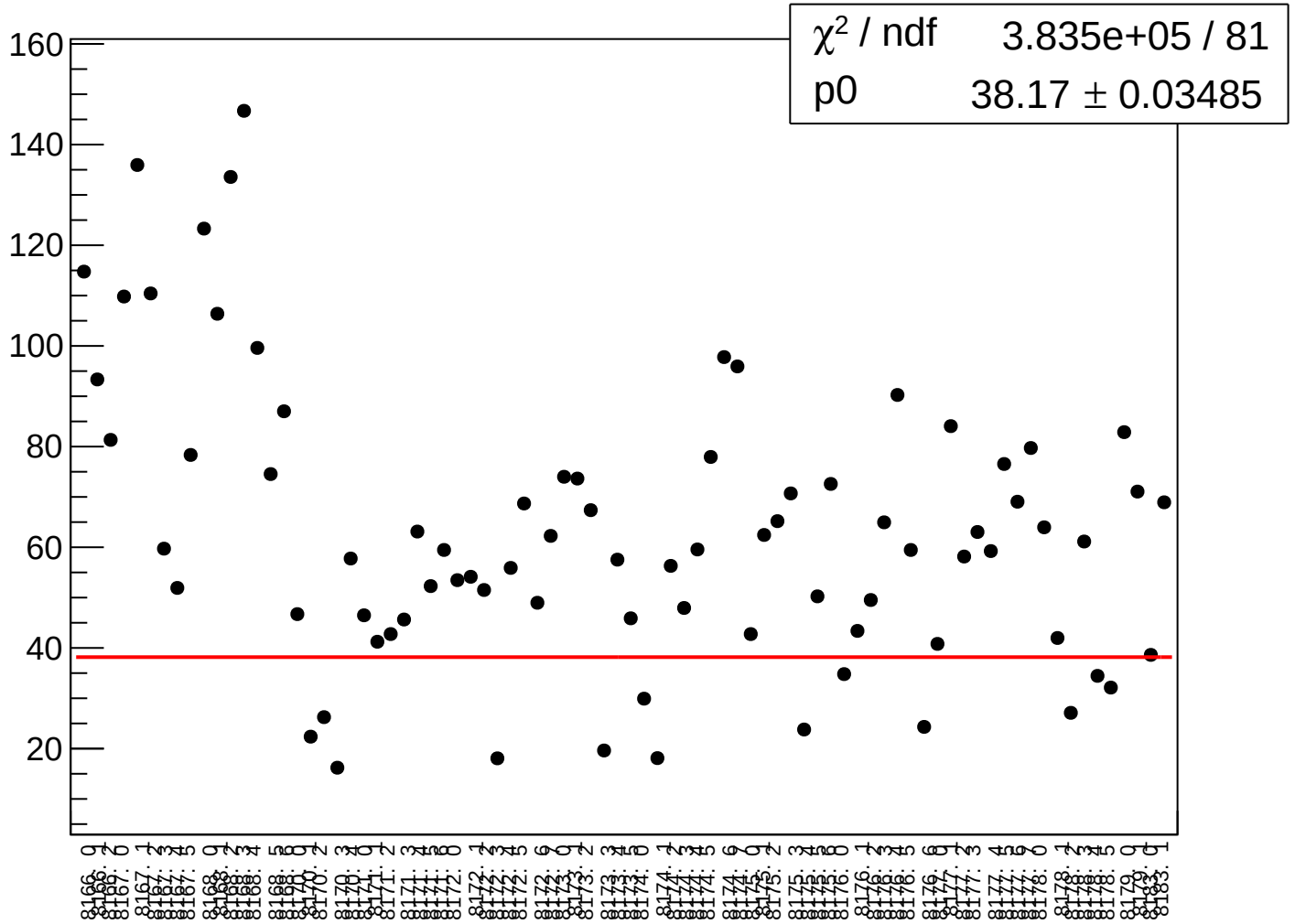

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.37 / 81
p0 0.007528 ± 0.04929
pull
Entries 82
Mean 55.06
Std Dev 30.21

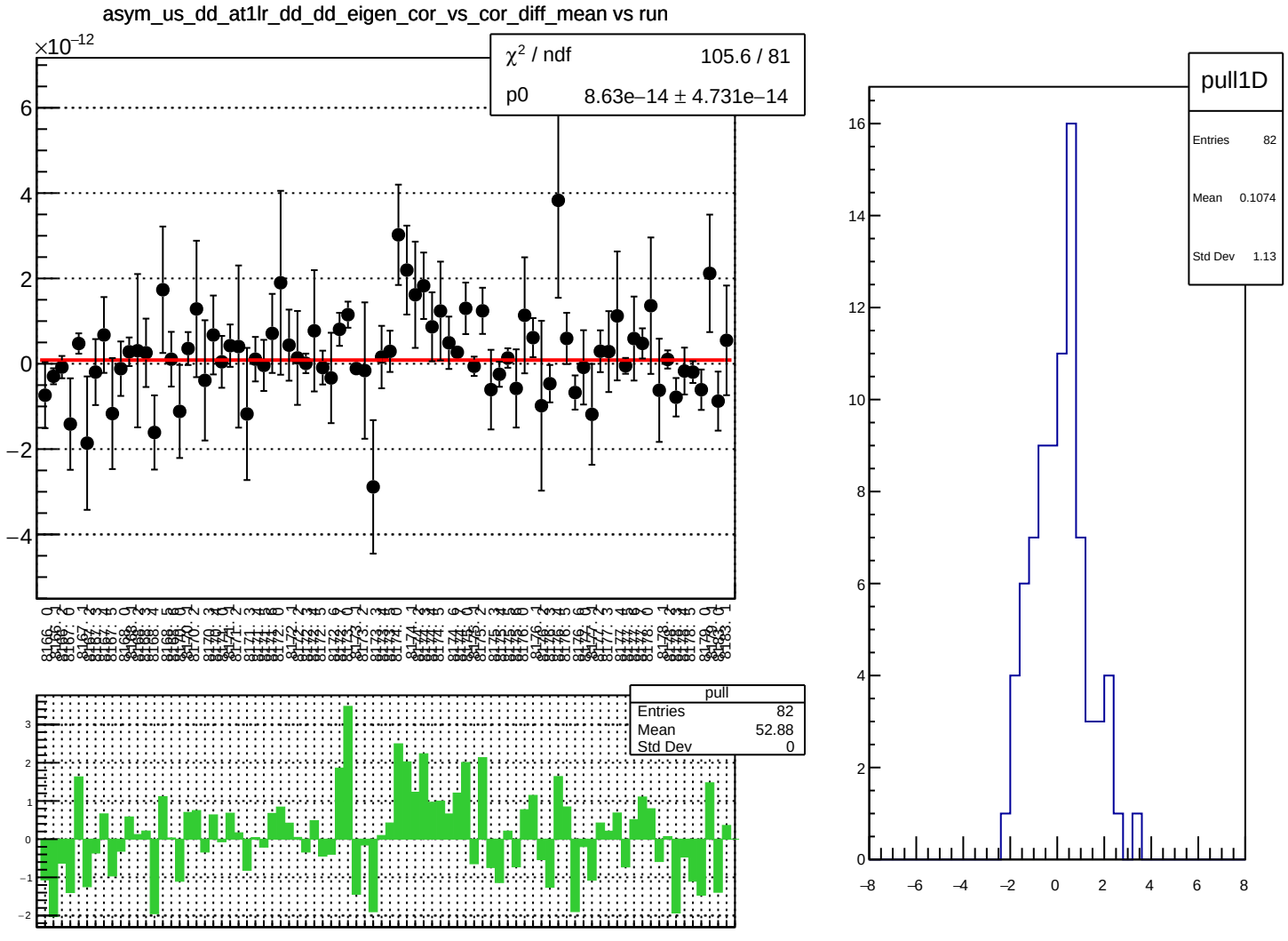

pull1D
Entries 82
Mean −0.06066
Std Dev 1.019

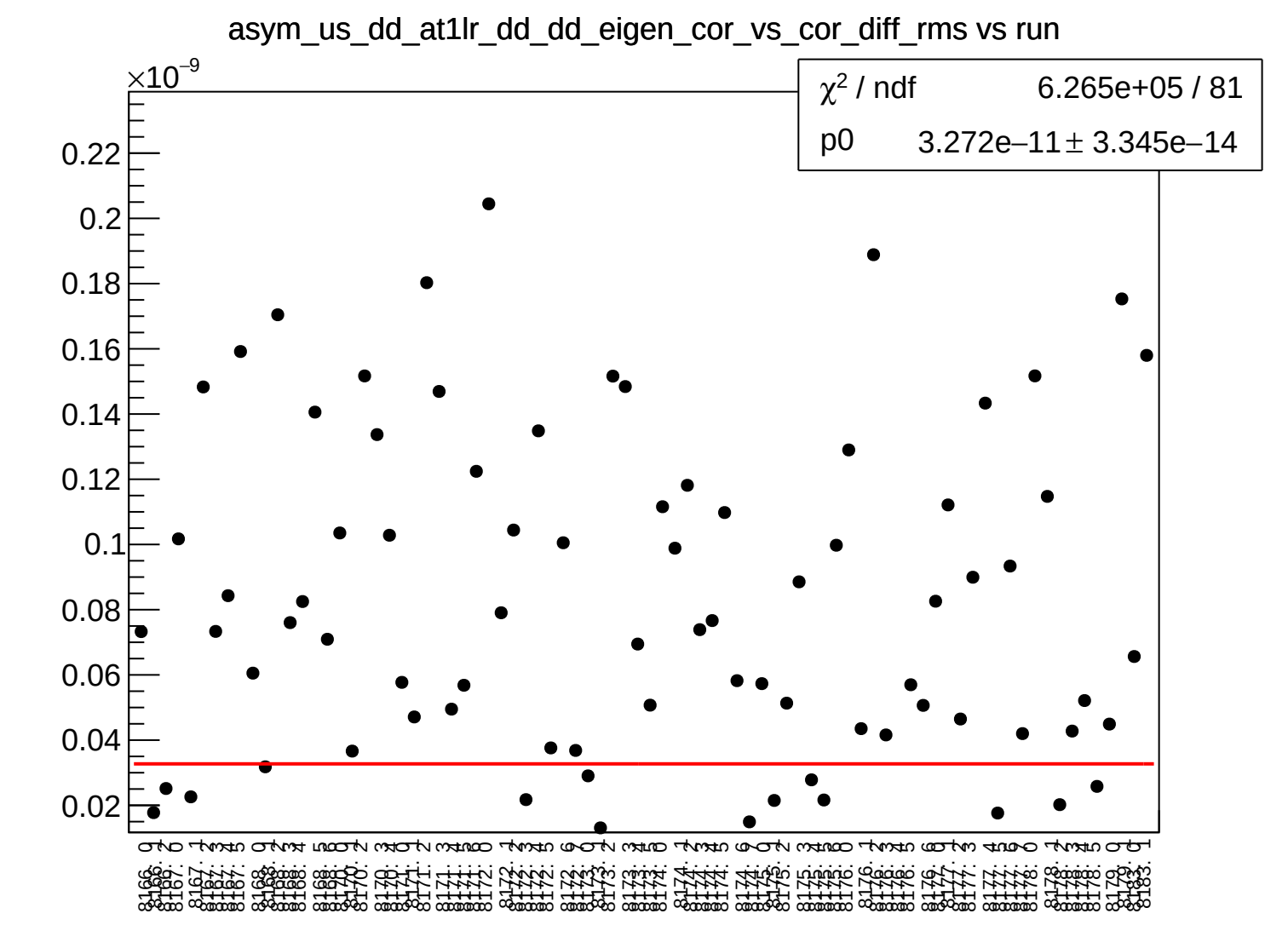

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.835e+05 / 81
p0 38.17 ± 0.03485
160
140
120
100
80
60
40
20

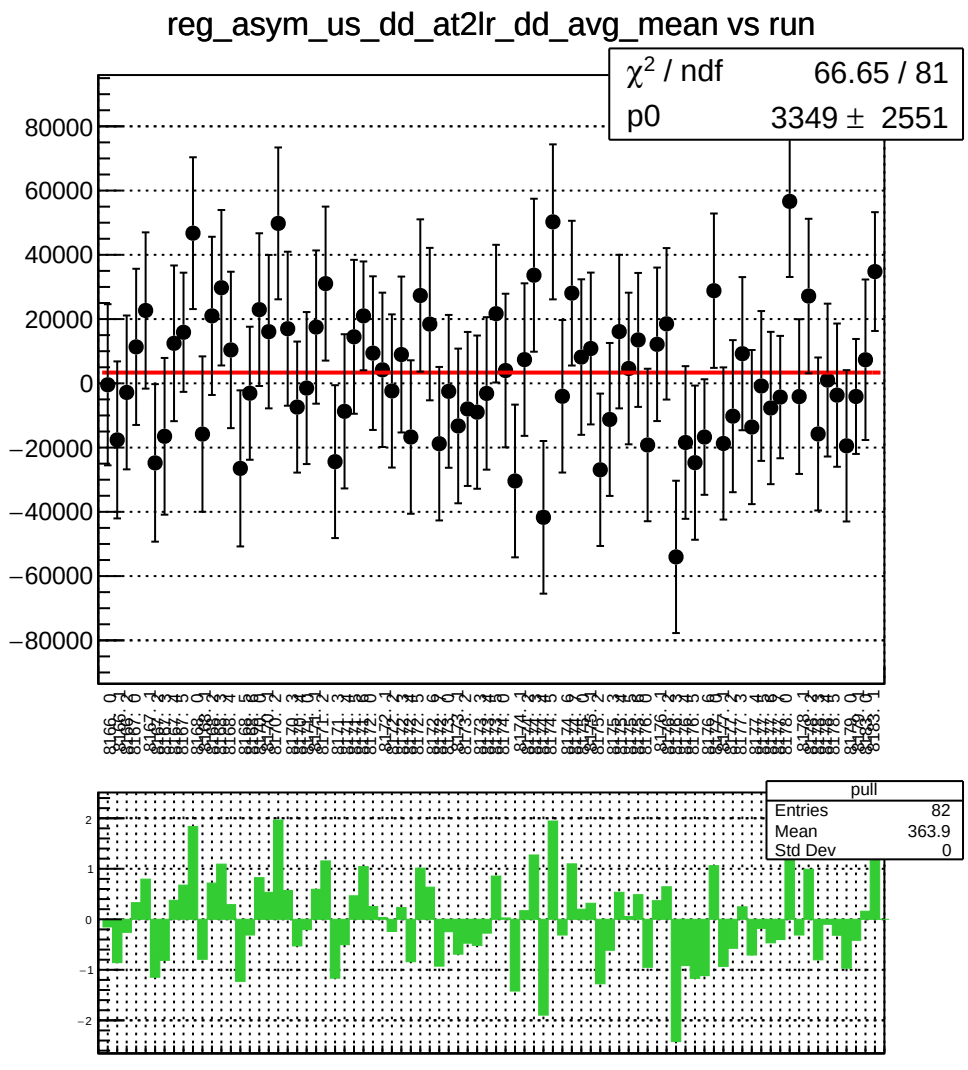

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.37 / 81
p0 0.007528 ± 0.04929
pull
Entries 82
Mean 55.06
Std Dev 30.21

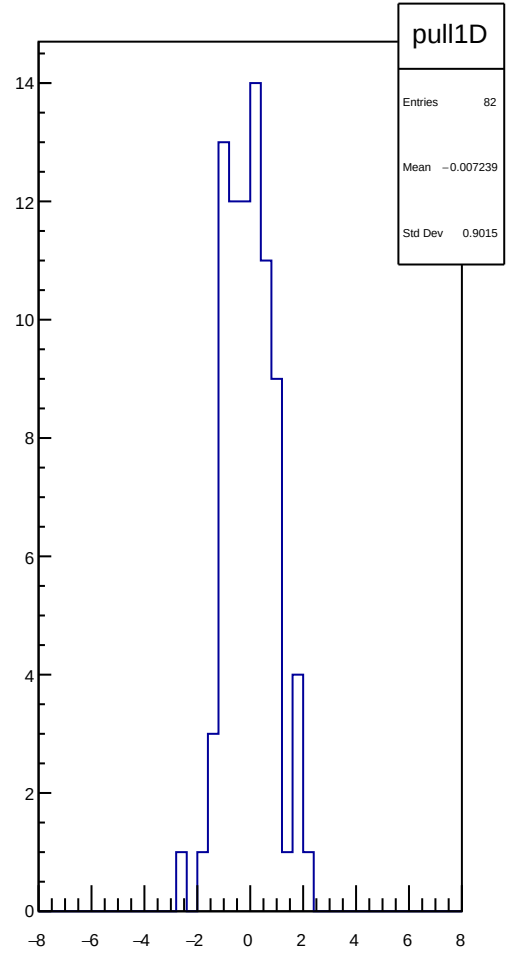

pull1D
Entries 82
Mean −0.06066
Std Dev 1.019

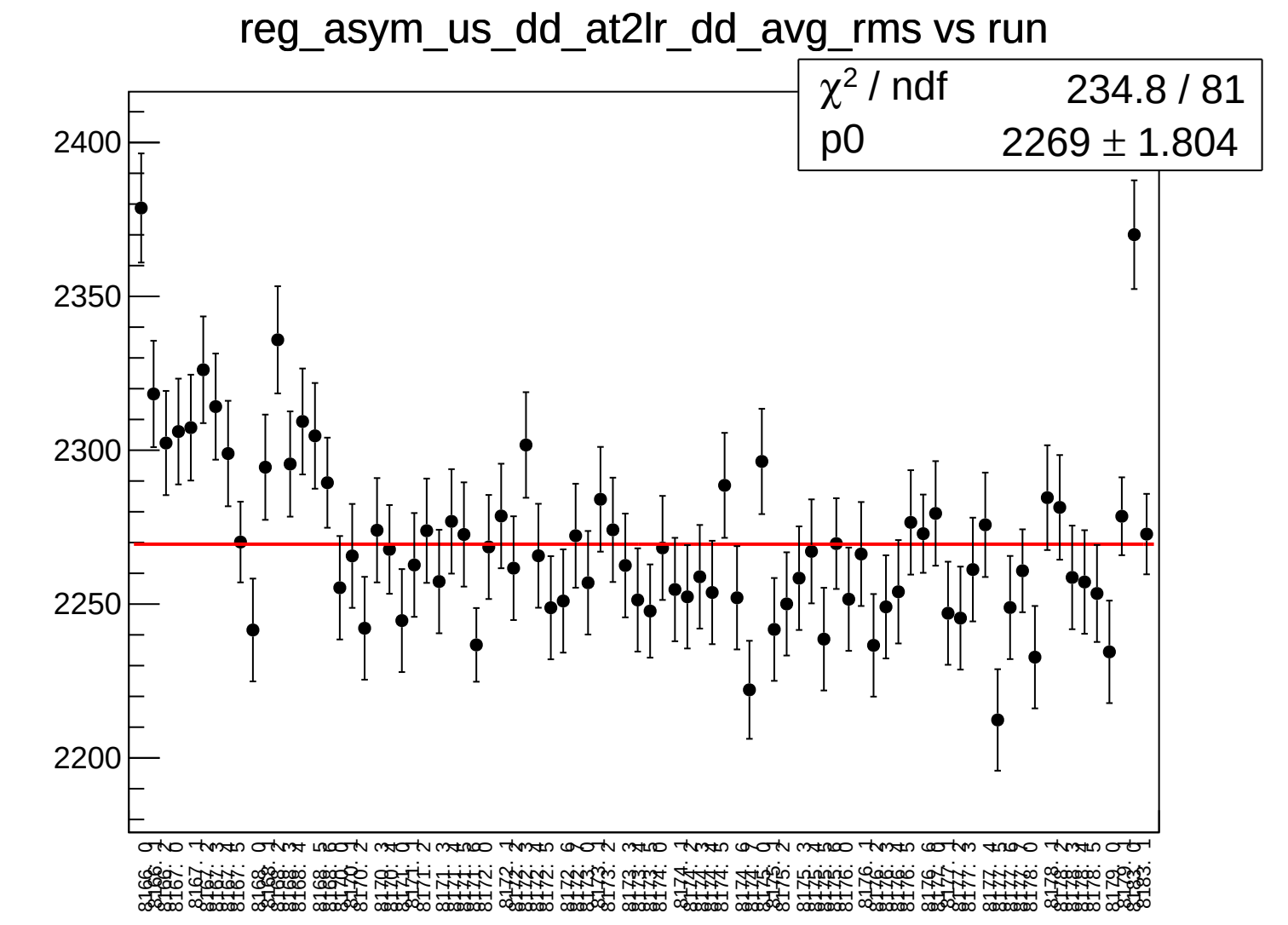

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.835e+05 / 81
p0 38.17 ± 0.03485
160
140
120
100
80
60
40
20

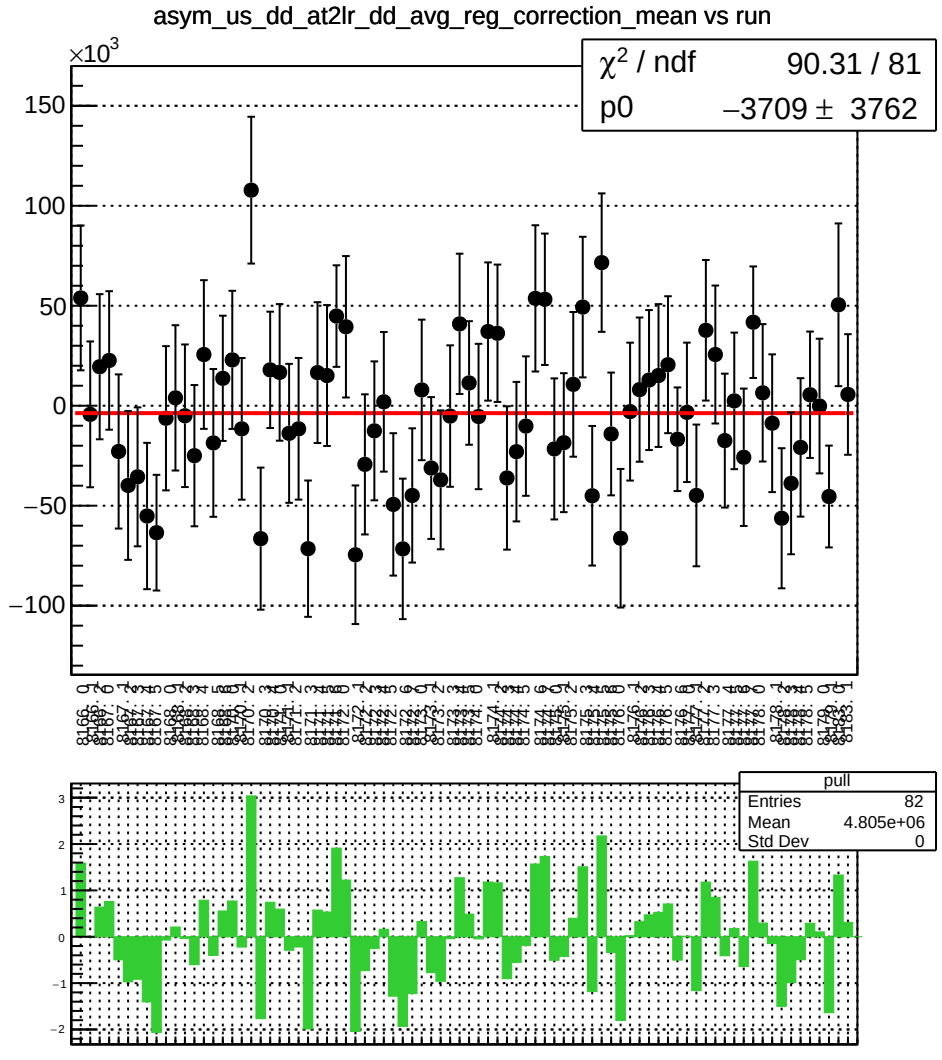

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 105.6 / 81
p0 8.63e−14 ± 4.731e−14
pull
Entries 82
Mean 52.88
Std Dev 0
pull1D
Entries 82
Mean 0.1074
Std Dev 1.13

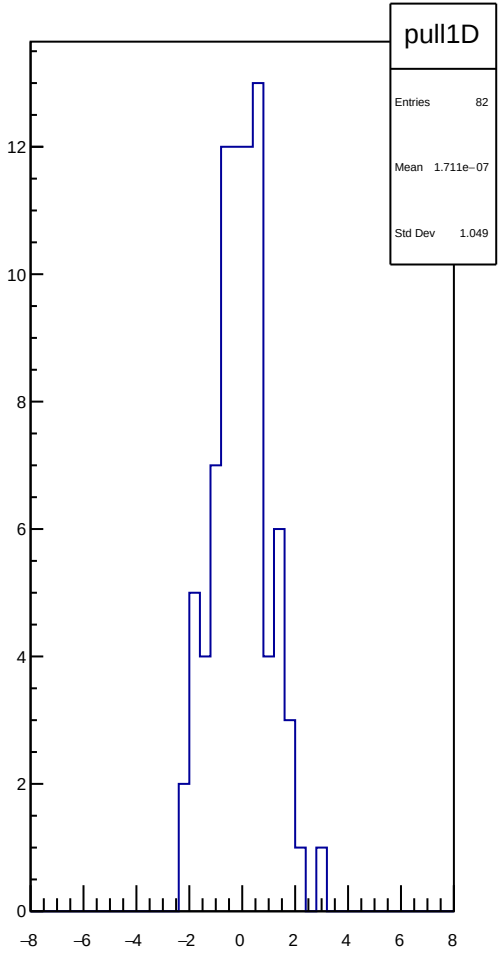

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.265e+05 / 81
p0 3.272e−11 ± 3.345e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

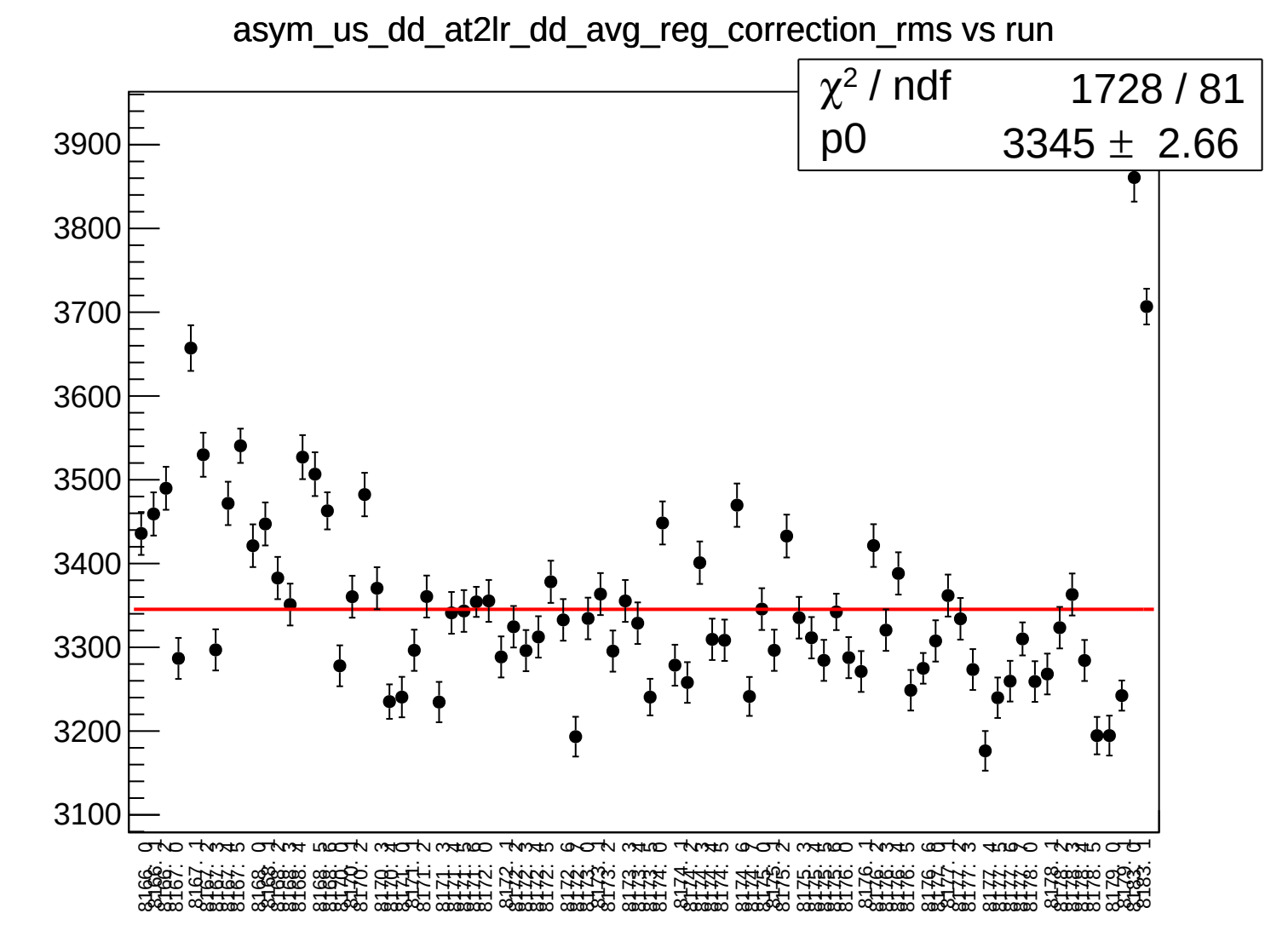

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 66.65 / 81
p0 3349 ± 2551
pull
Entries 82
Mean 363.9
Std Dev 0

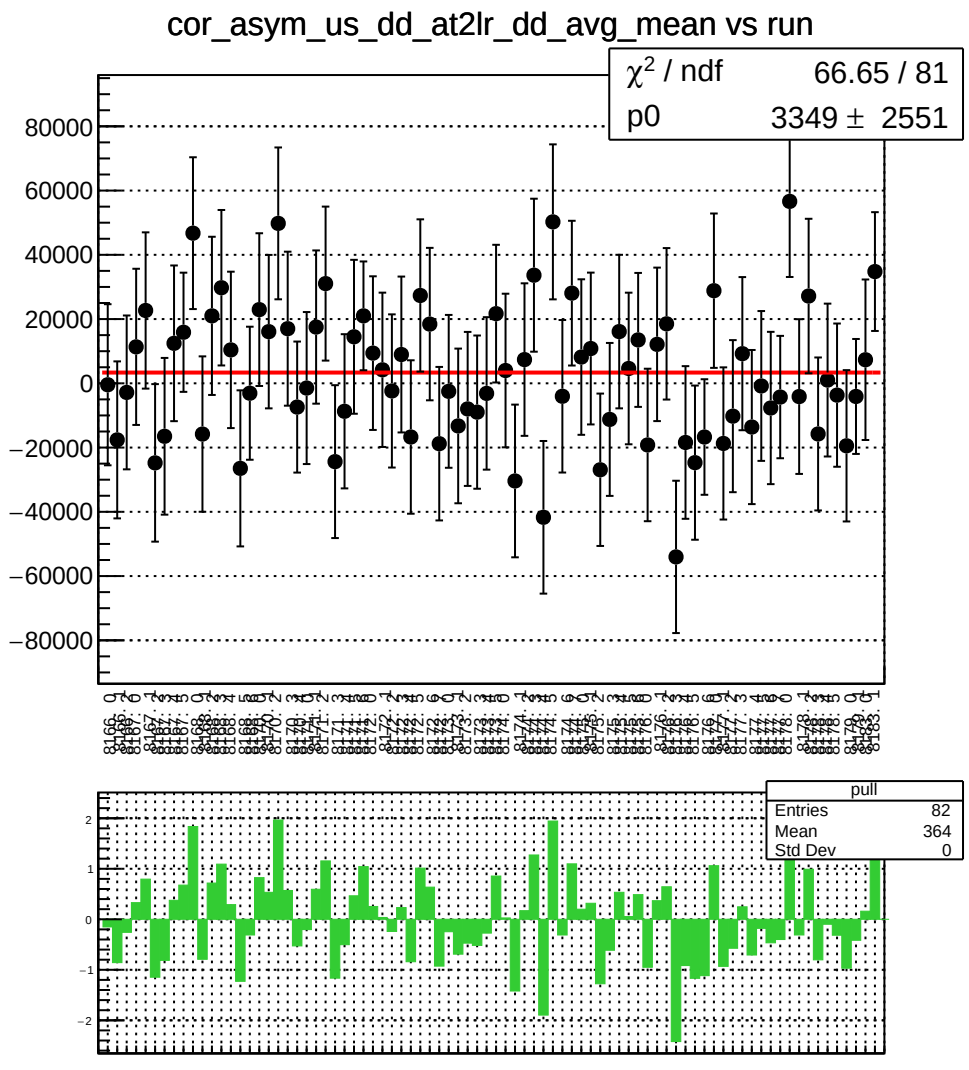

pull1D
Entries 82
Mean −0.007239
Std Dev 0.9015

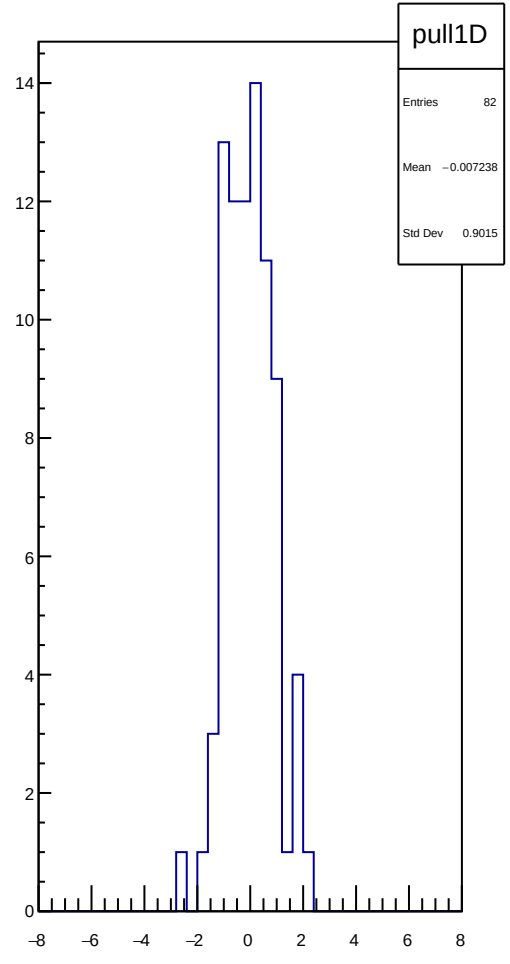

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 234.8 / 81
p0 2269 ± 1.804
2400
2350
2300
2250
2200

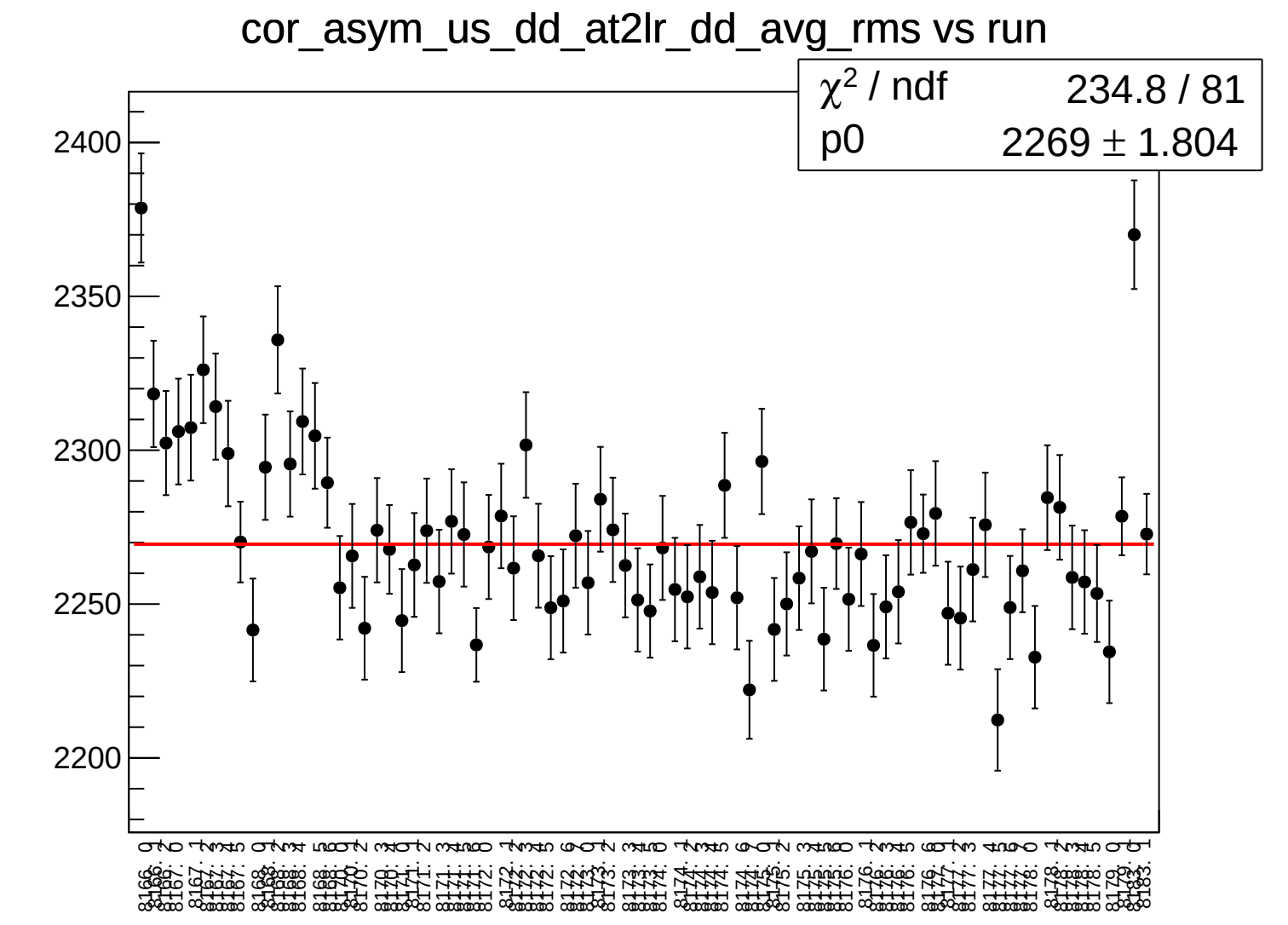

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 90.31 / 81
p0 −3709 ± 3762
150
100
50
0
−50
−100
pull
Entries 82
Mean 4.805e+06
Std Dev 0
3
2
1
0
−1
−2

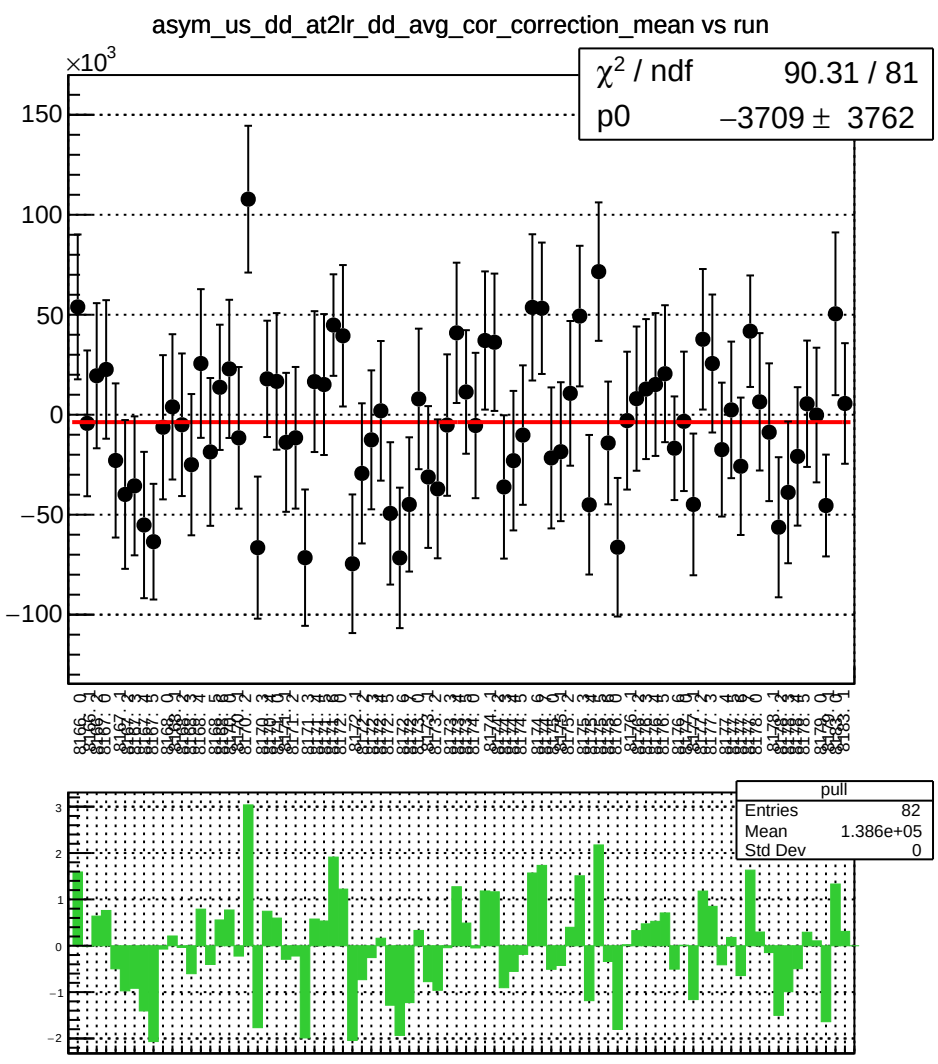

pull1D
Entries 82
Mean 1.711e−07
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

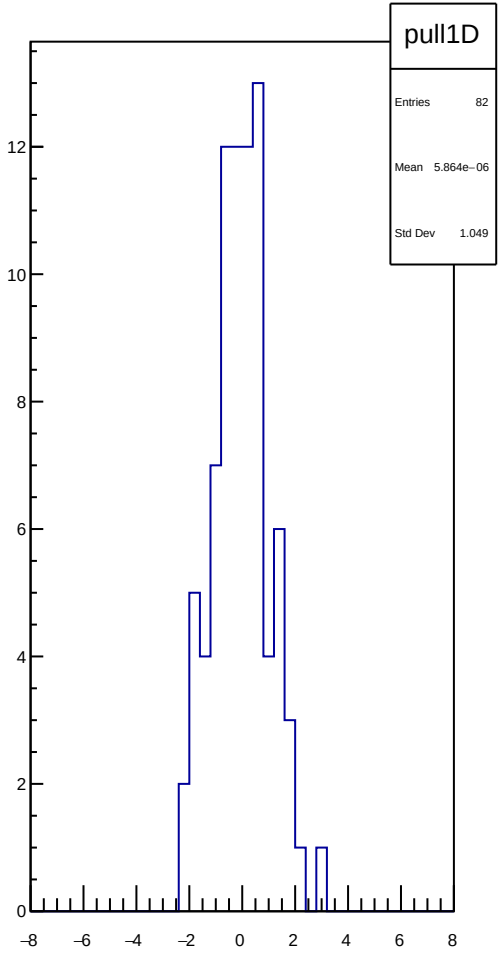

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 1728 / 81
p0 3345 ± 2.66
3900
3800
3700
3600
3500
3400
3300
3200
3100

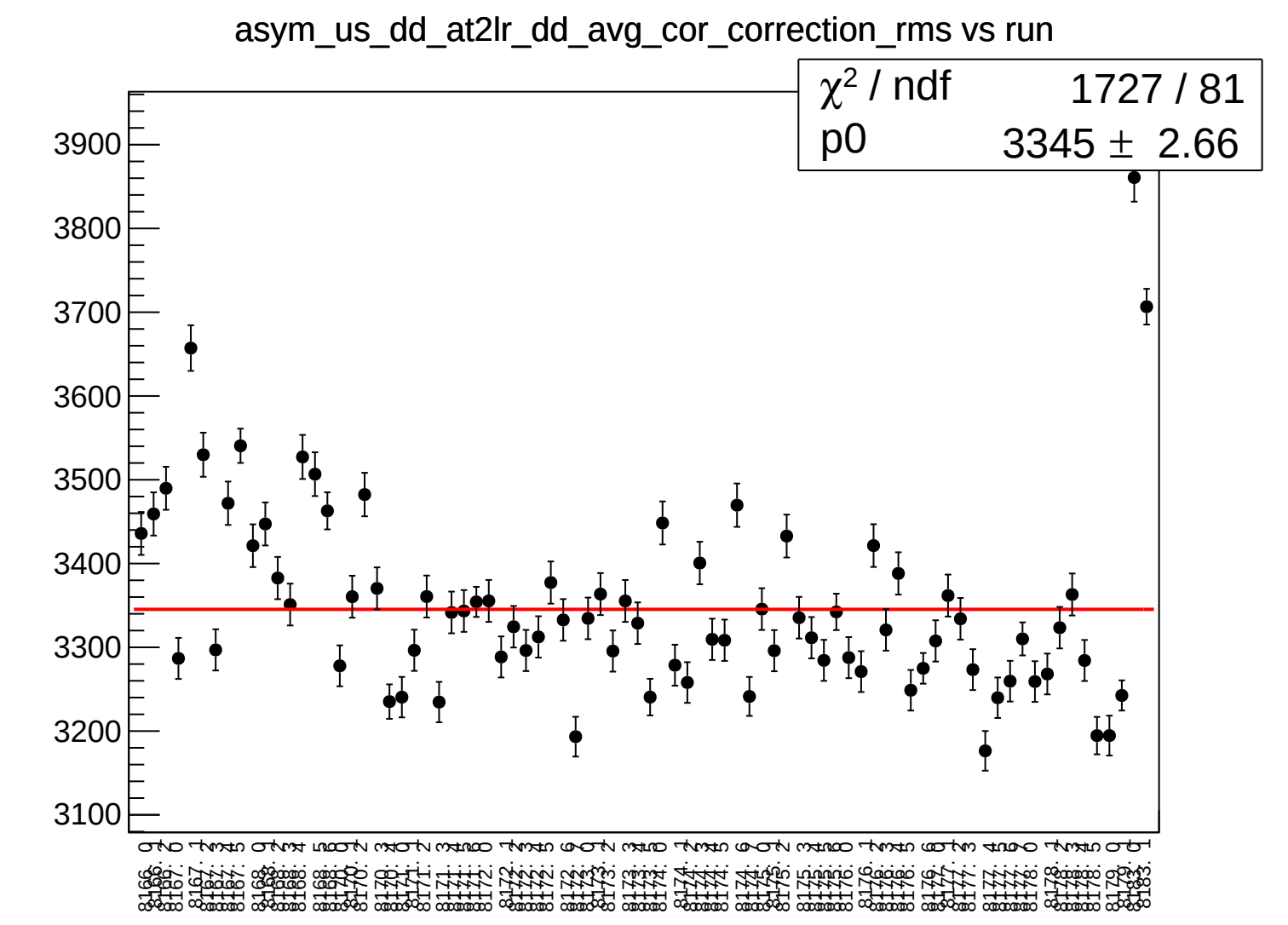

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 66.65 / 81
p0 3349 ± 2551
pull
Entries 82
Mean 364
Std Dev 0

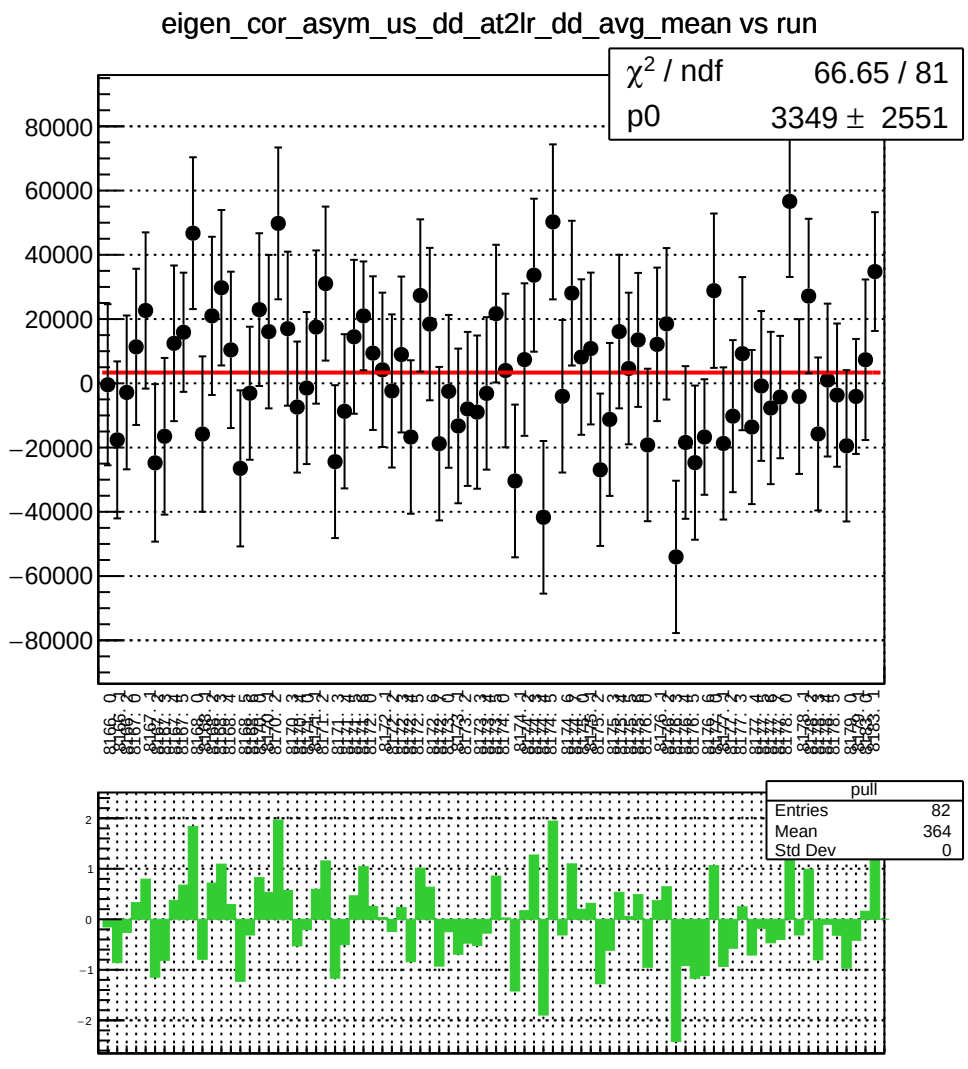

pull1D
Entries 82
Mean −0.007238
Std Dev 0.9015

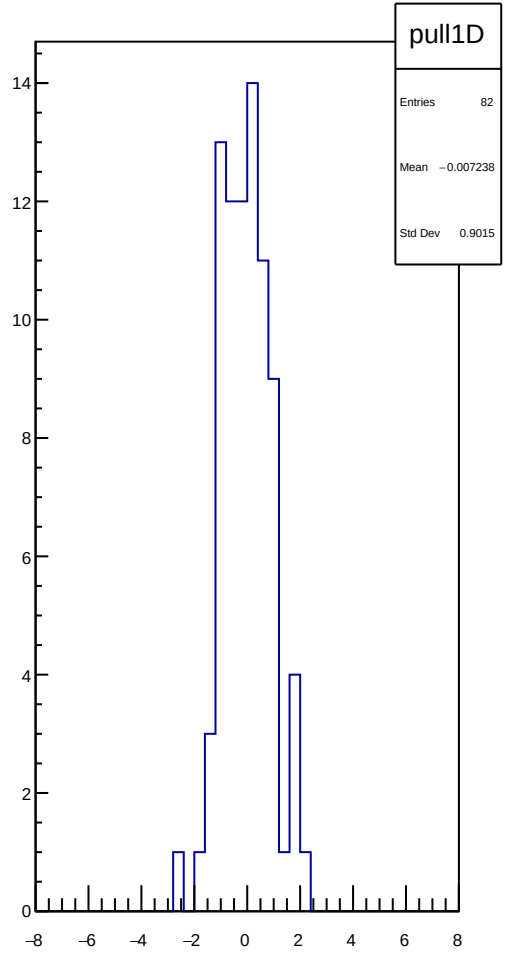

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 234.8 / 81
p0 2269 ± 1.804
2400
2350
2300
2250
2200

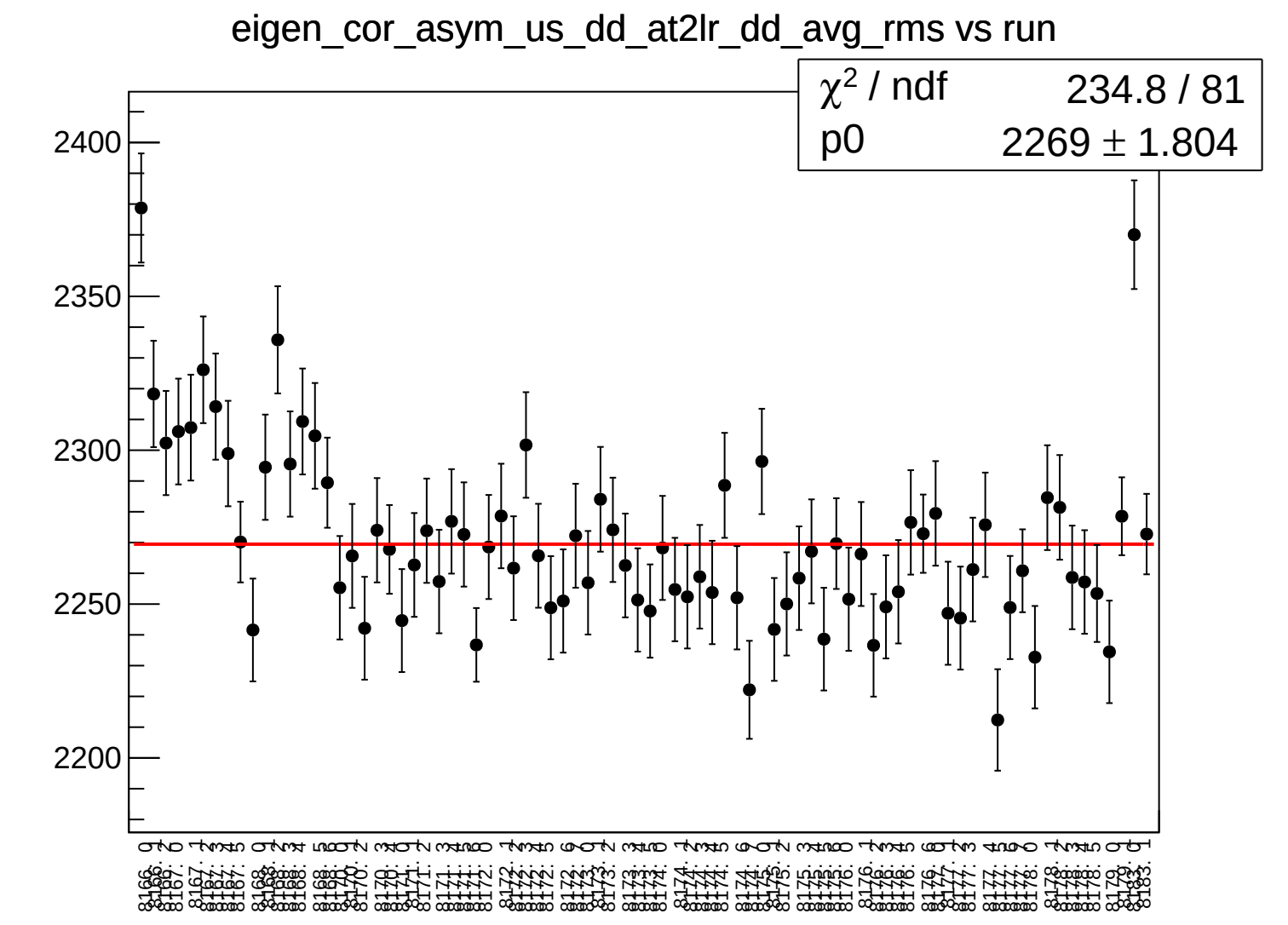

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 90.31 / 81
p0 −3709 ± 3762
150
100
50
0
−50
−100
pull
Entries 82
Mean 1.386e+05
Std Dev 0
3
2
1
0
−1
−2

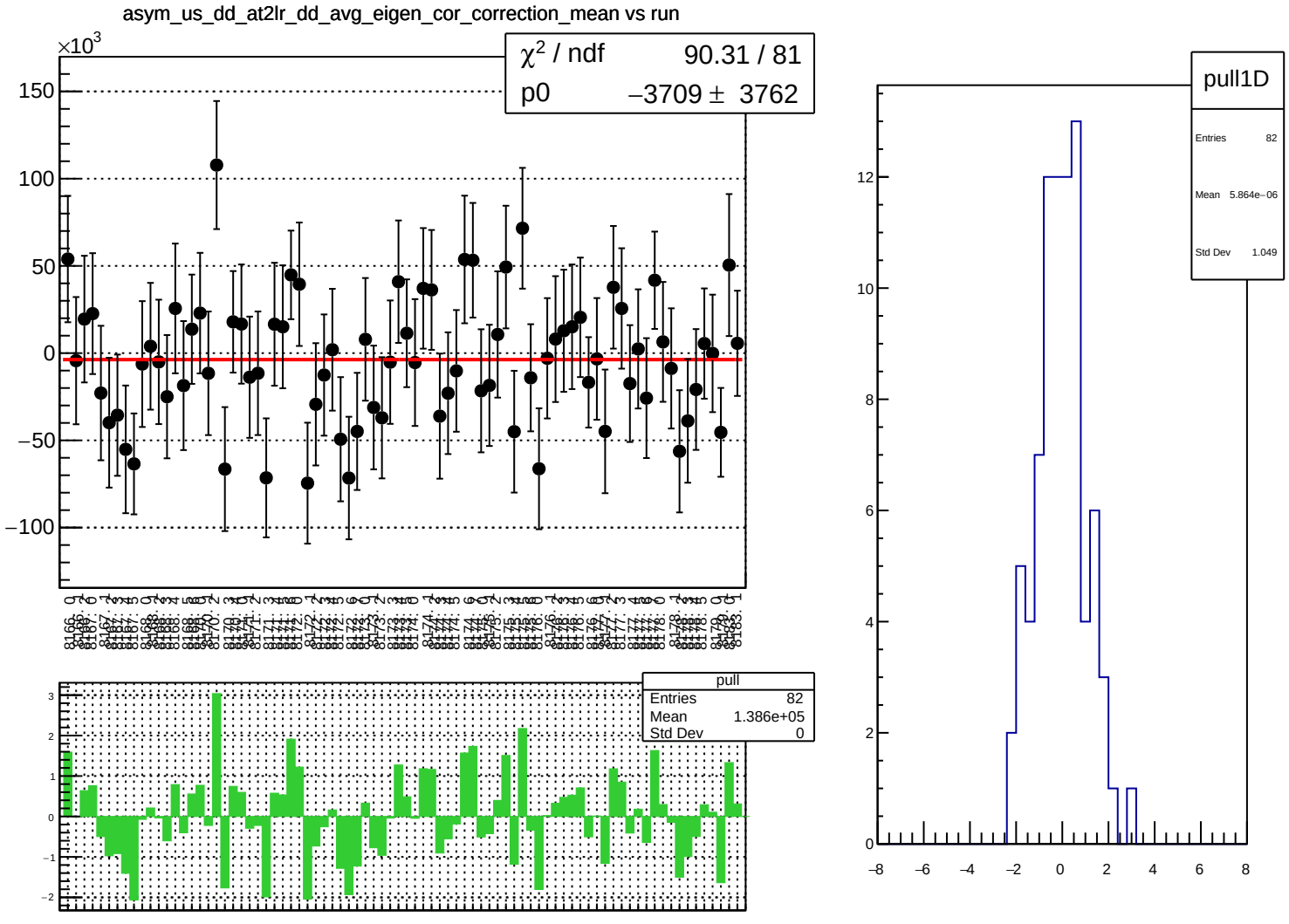

pull1D
Entries 82
Mean 5.864e−06
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

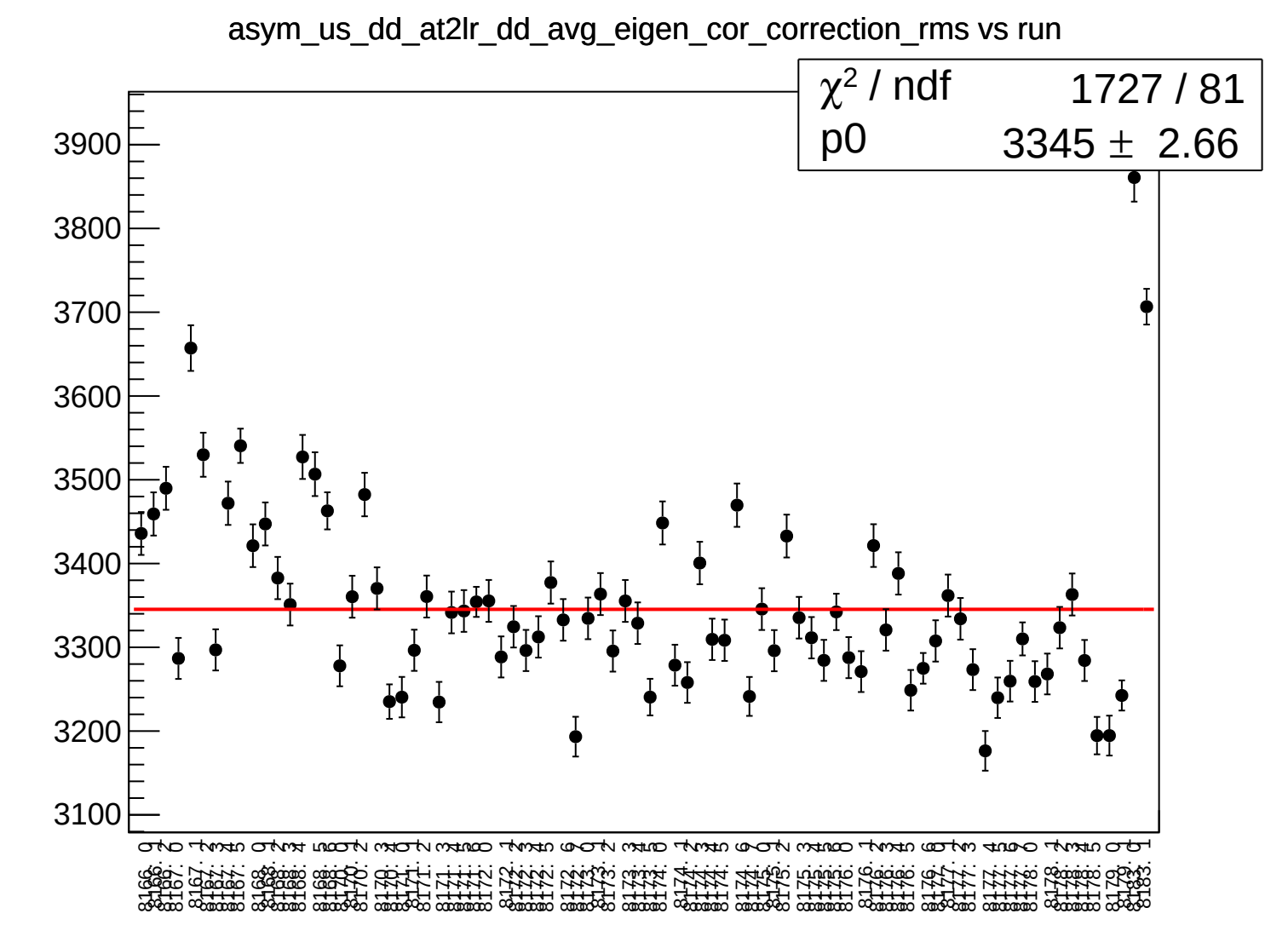

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 1727 / 81
p0 3345 ± 2.66
3900
3800
3700
3600
3500
3400
3300
3200
3100

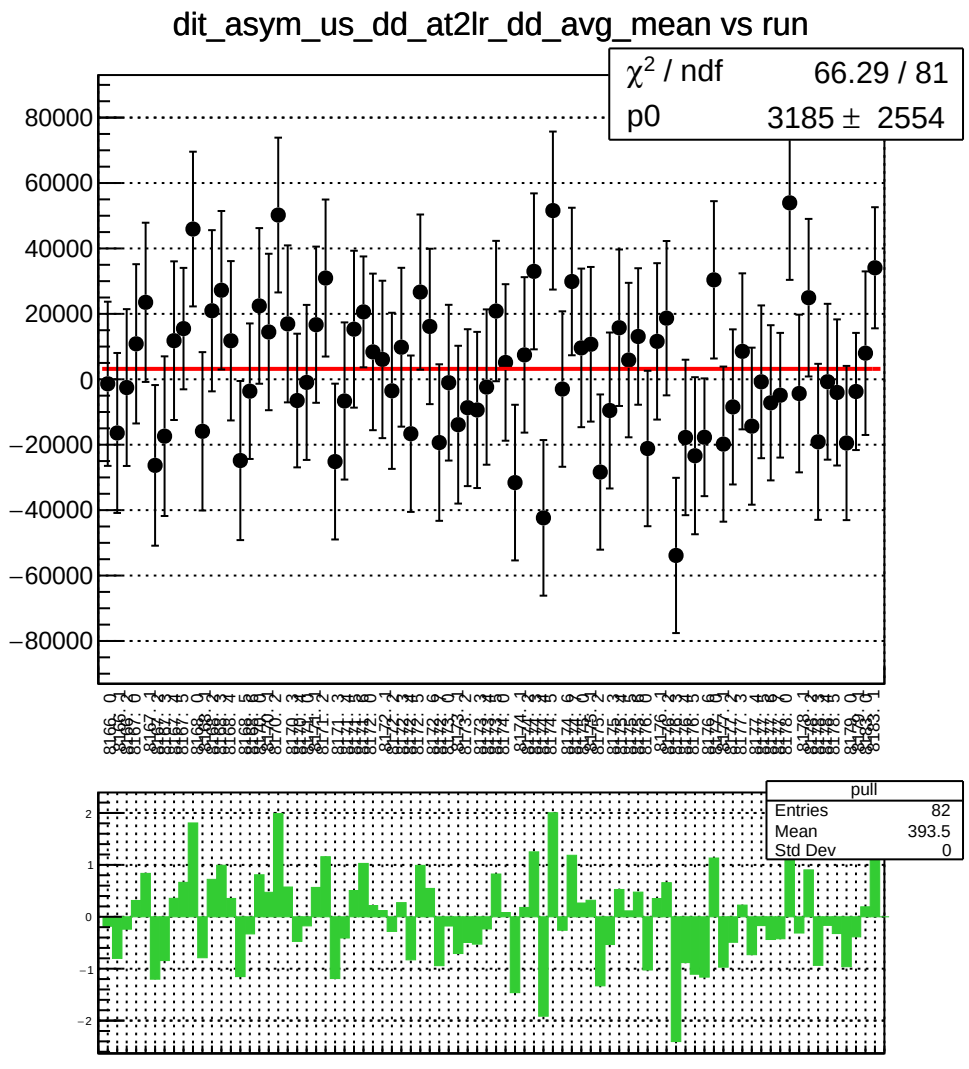

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 66.65 / 81
p0 3349 ± 2551
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 364
Std Dev 0
2
1
0
−1
−2

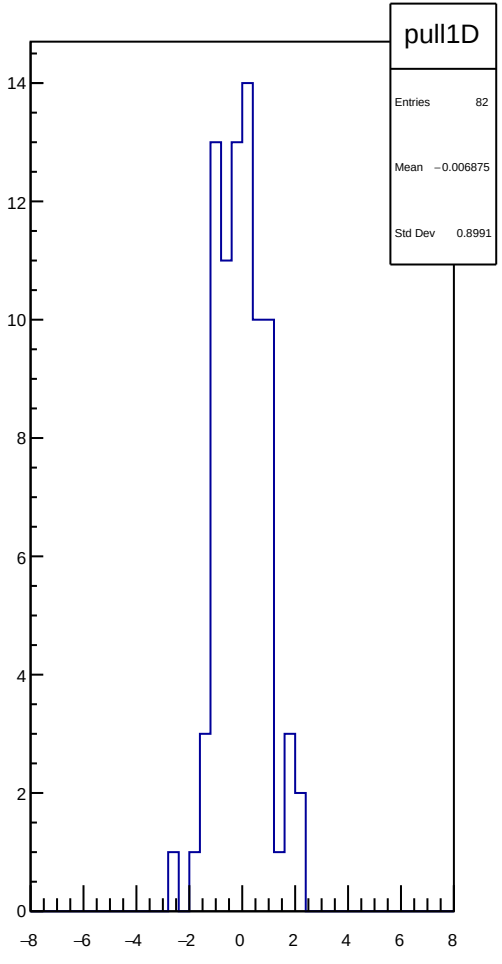

pull1D
Entries 82
Mean −0.007238
Std Dev 0.9015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

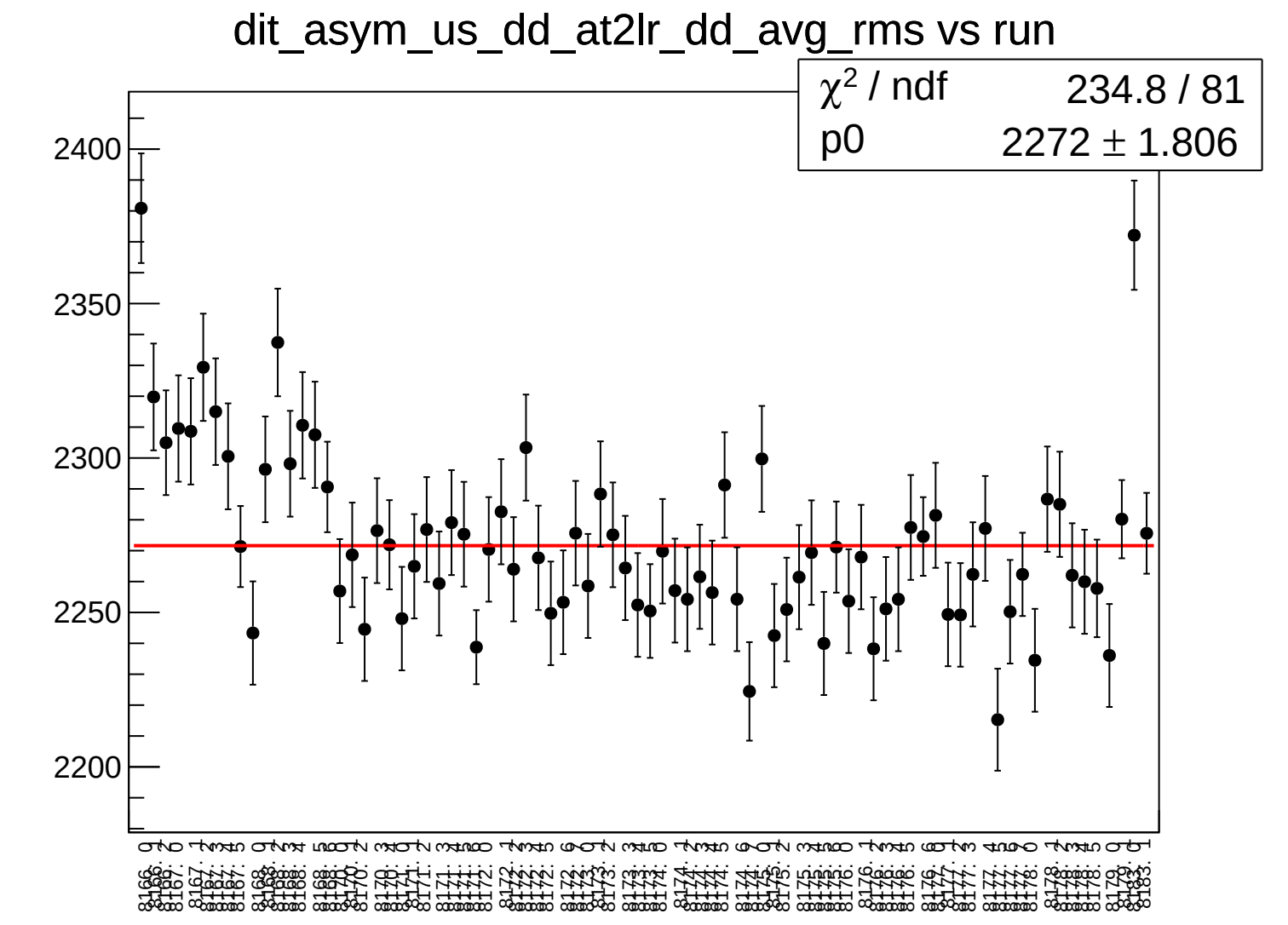

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 234.8 / 81
p0 2269 ± 1.804
2400
2350
2300
2250
2200

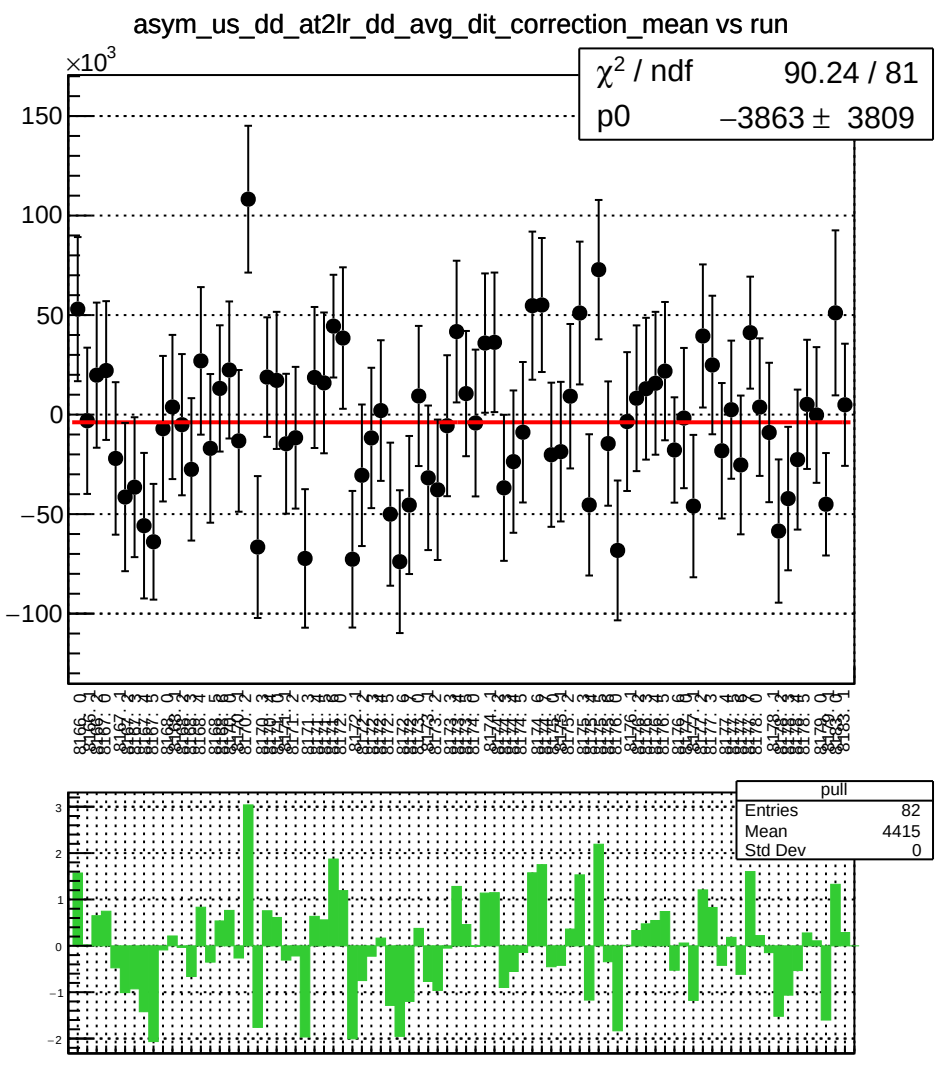

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 90.31 / 81
p0 −3709 ± 3762
150
100
50
0
−50
−100
pull
Entries 82
Mean 1.386e+05
Std Dev 0
pull1D
Entries 82
Mean 5.864e−06
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

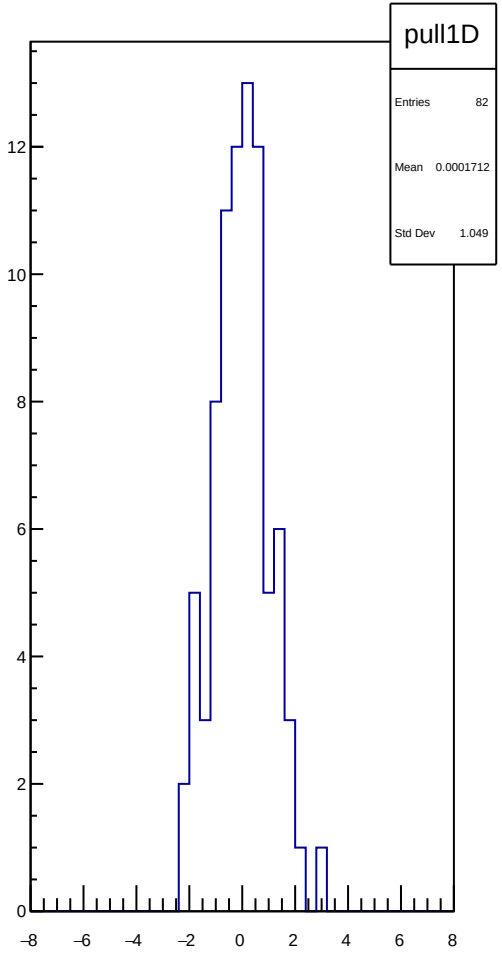

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1727 / 81
p0 3345 ± 2.66
3900
3800
3700
3600
3500
3400
3300
3200
3100

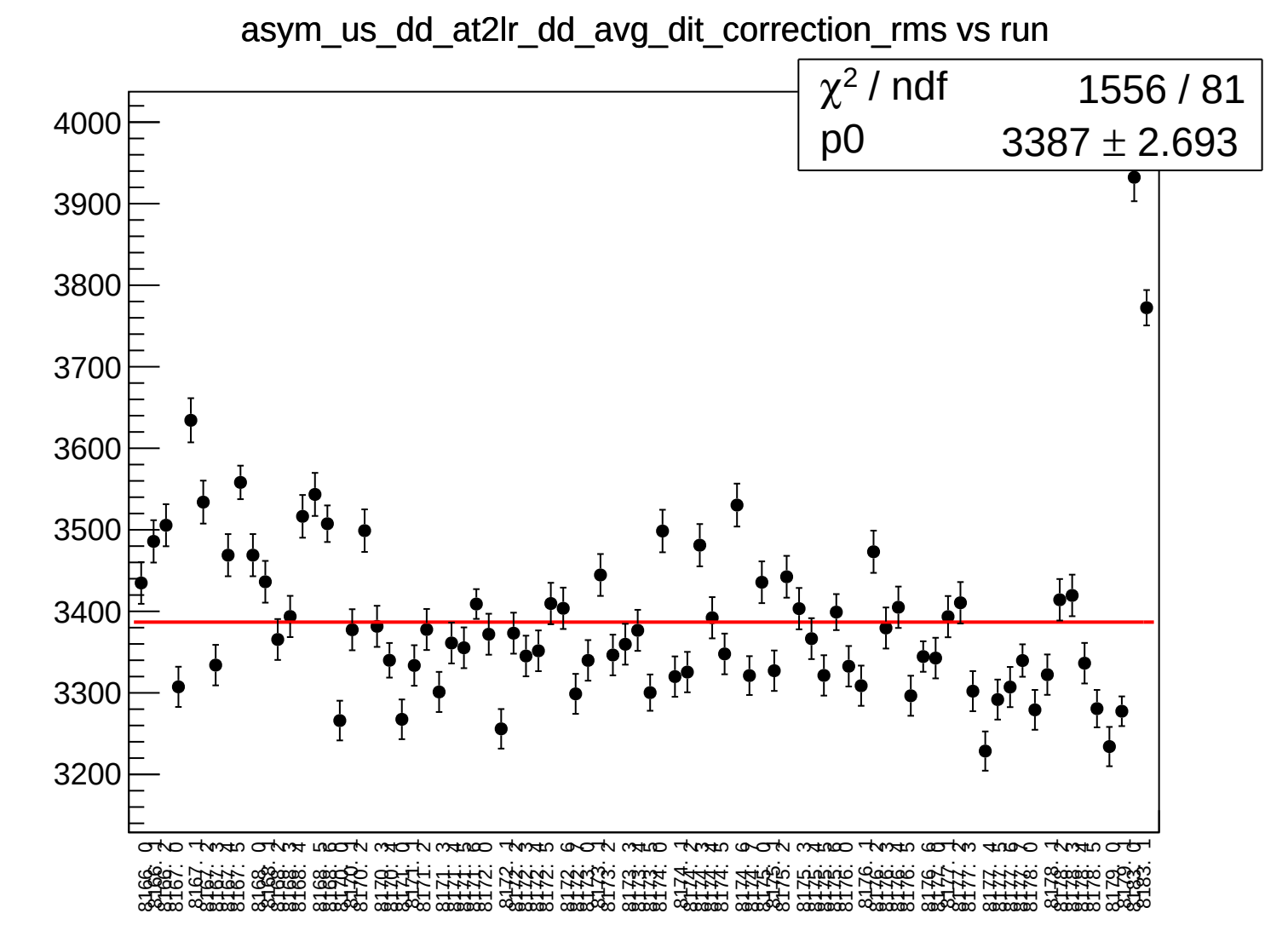

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 66.29 / 81
p0 3185 ± 2554
pull
Entries 82
Mean 393.5
Std Dev 0

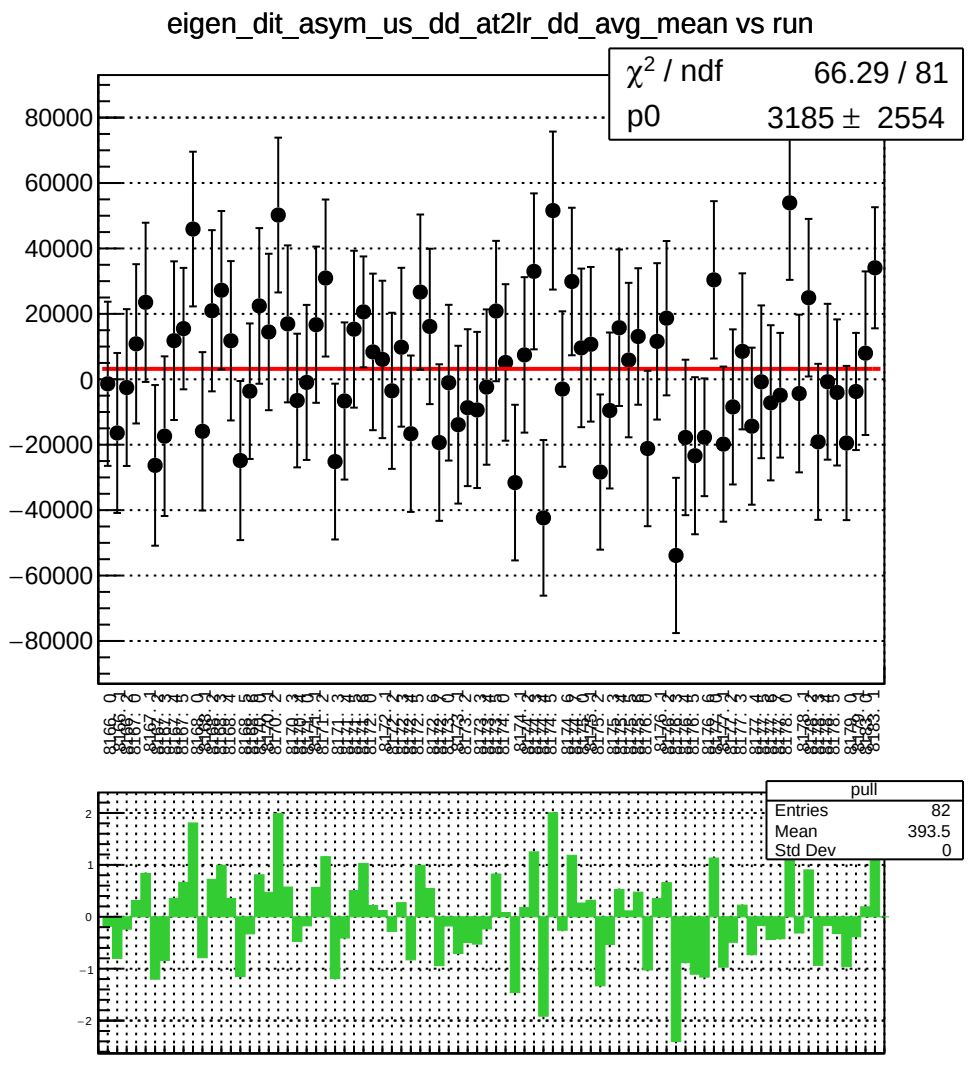

pull1D
Entries 82
Mean −0.006875
Std Dev 0.8991

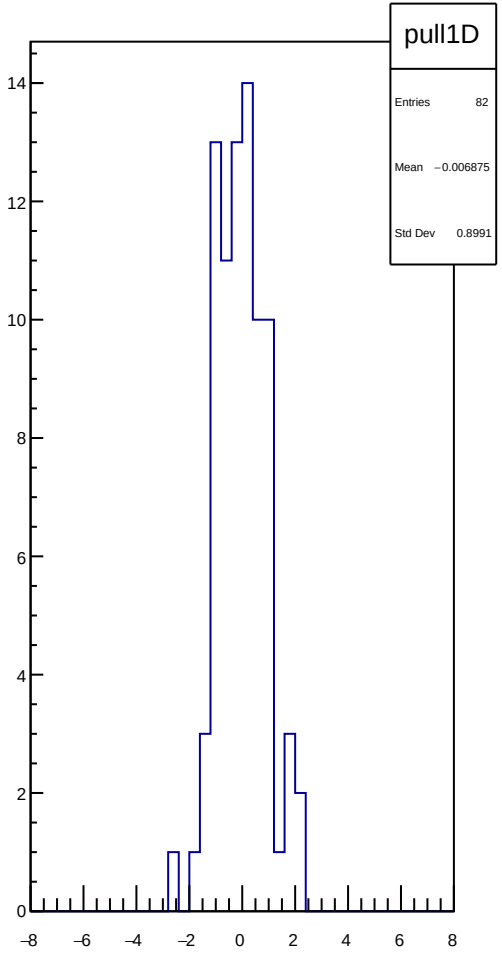

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 234.8 / 81
p0 2272 ± 1.806
2400
2350
2300
2250
2200

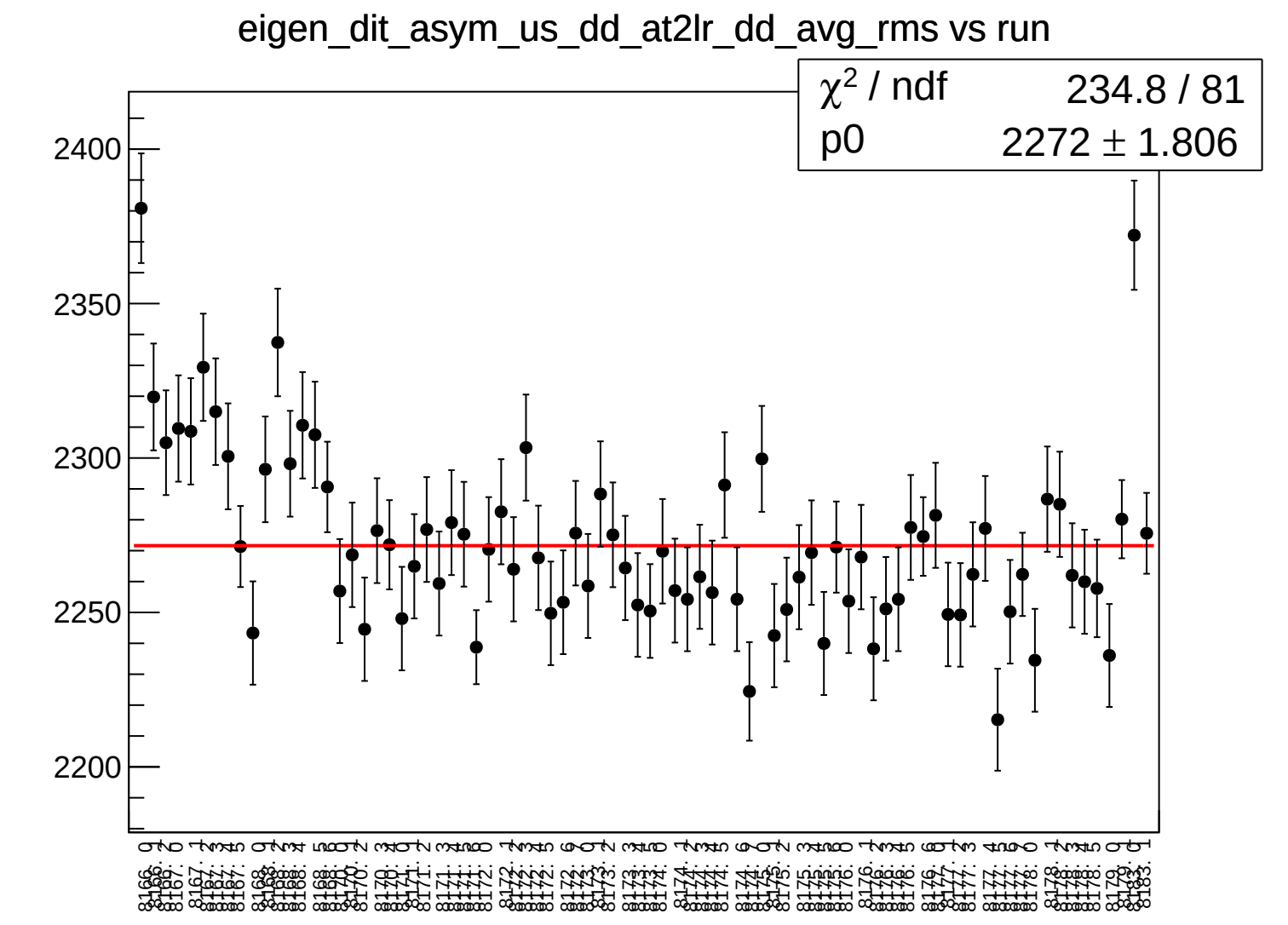

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 90.24 / 81
p0 −3863 ± 3809
150
100
50
0
−50
−100
pull
Entries 82
Mean 4415
Std Dev 0
3
2
1
0
−1
−2

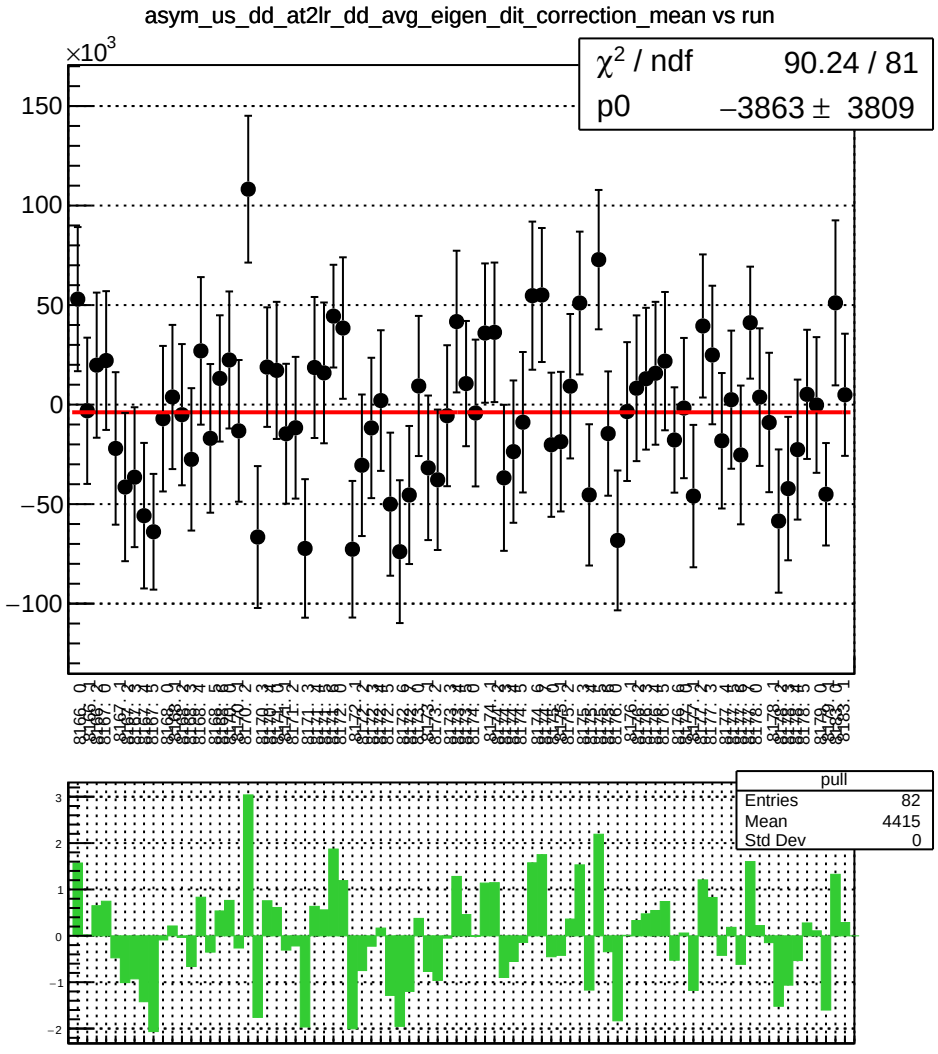

pull1D
Entries 82
Mean 0.0001712
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

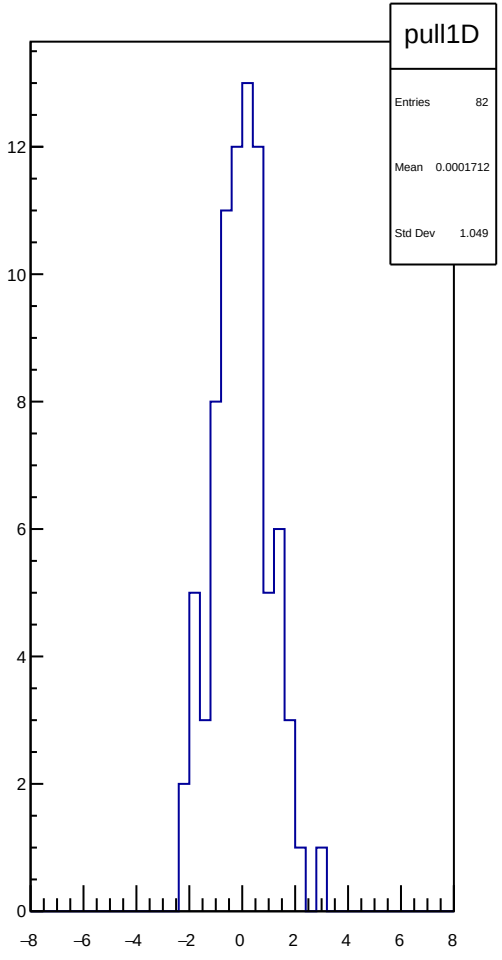

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1556 / 81
p0 3387 ± 2.693
4000
3900
3800
3700
3600
3500
3400
3300
3200

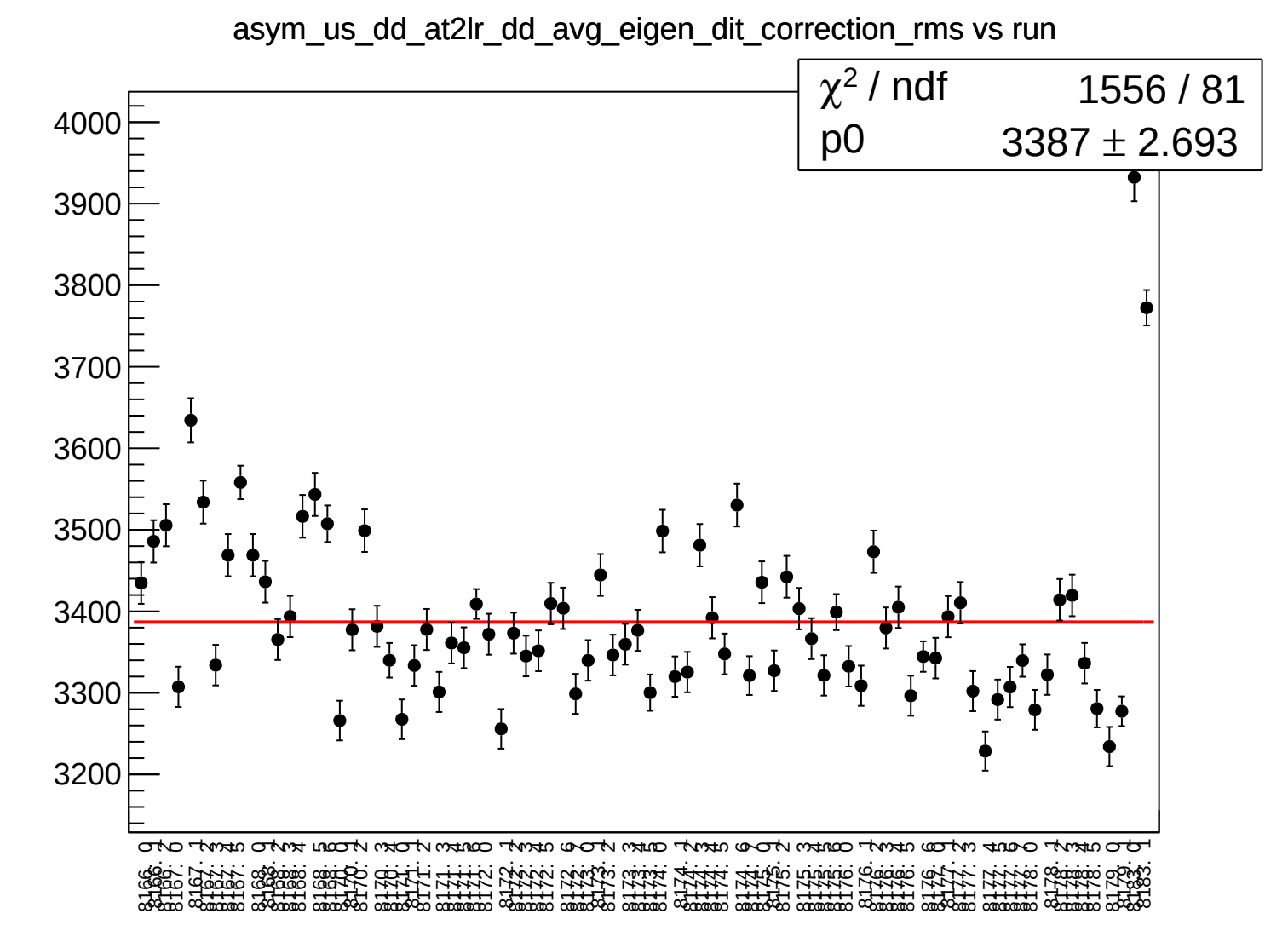

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 66.29 / 81
p0 3185 ± 2554
pull
Entries 82
Mean 393.5
Std Dev 0

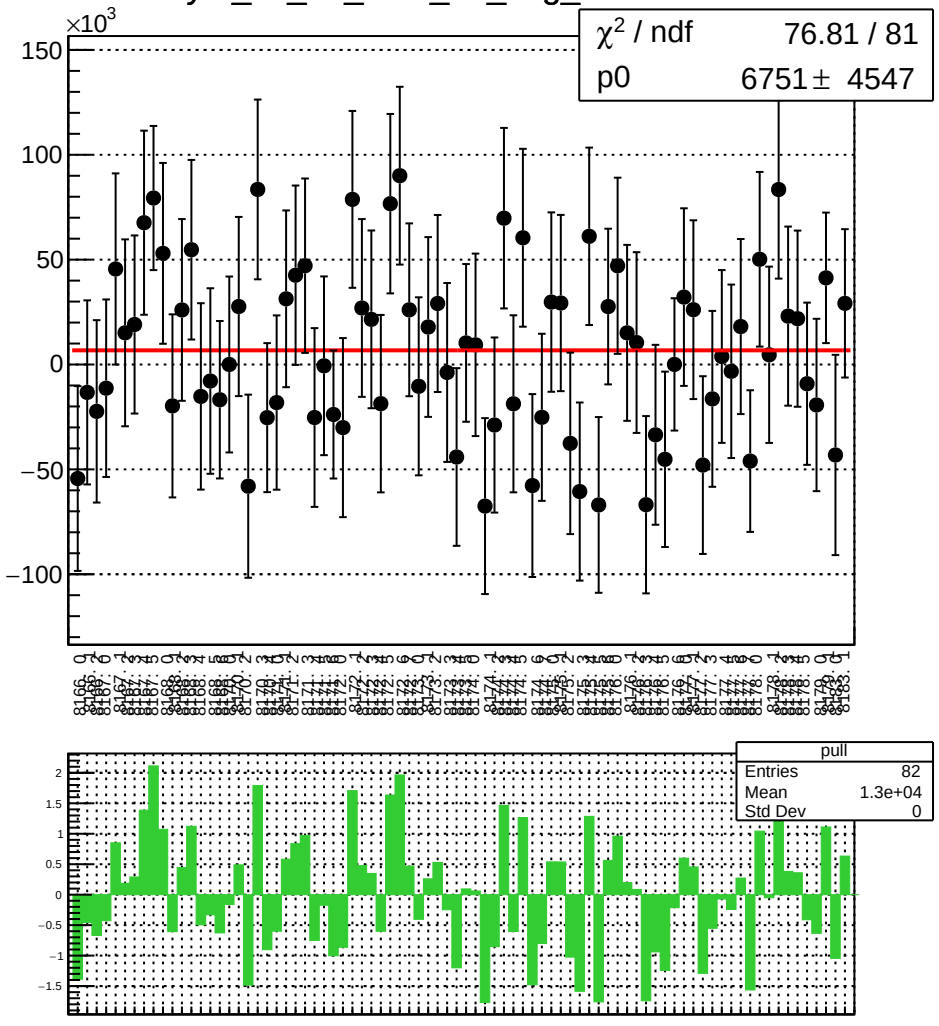

pull1D
Entries 82
Mean −0.006875
Std Dev 0.8991

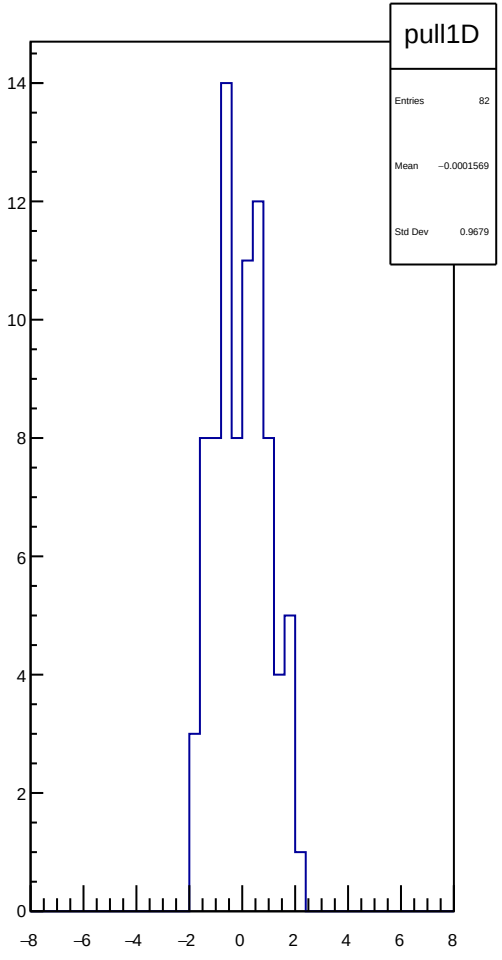

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 234.8 / 81
p0 2272 ± 1.806
2400
2350
2300
2250
2200

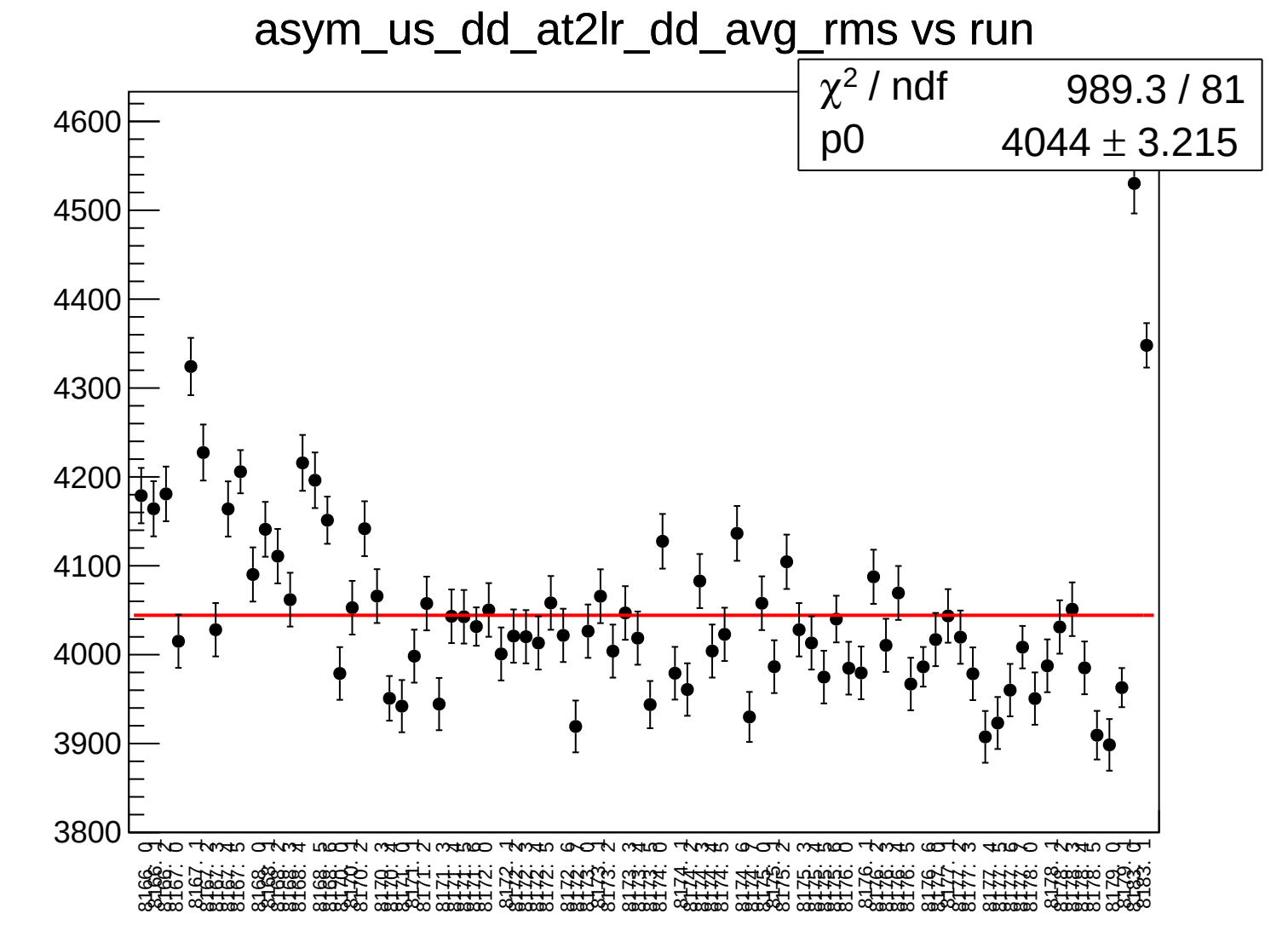

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 90.24 / 81
p0 −3863 ± 3809
150
100
50
0
−50
−100
pull
Entries 82
Mean 4415
Std Dev 0
3
2
1
0
−1
−2

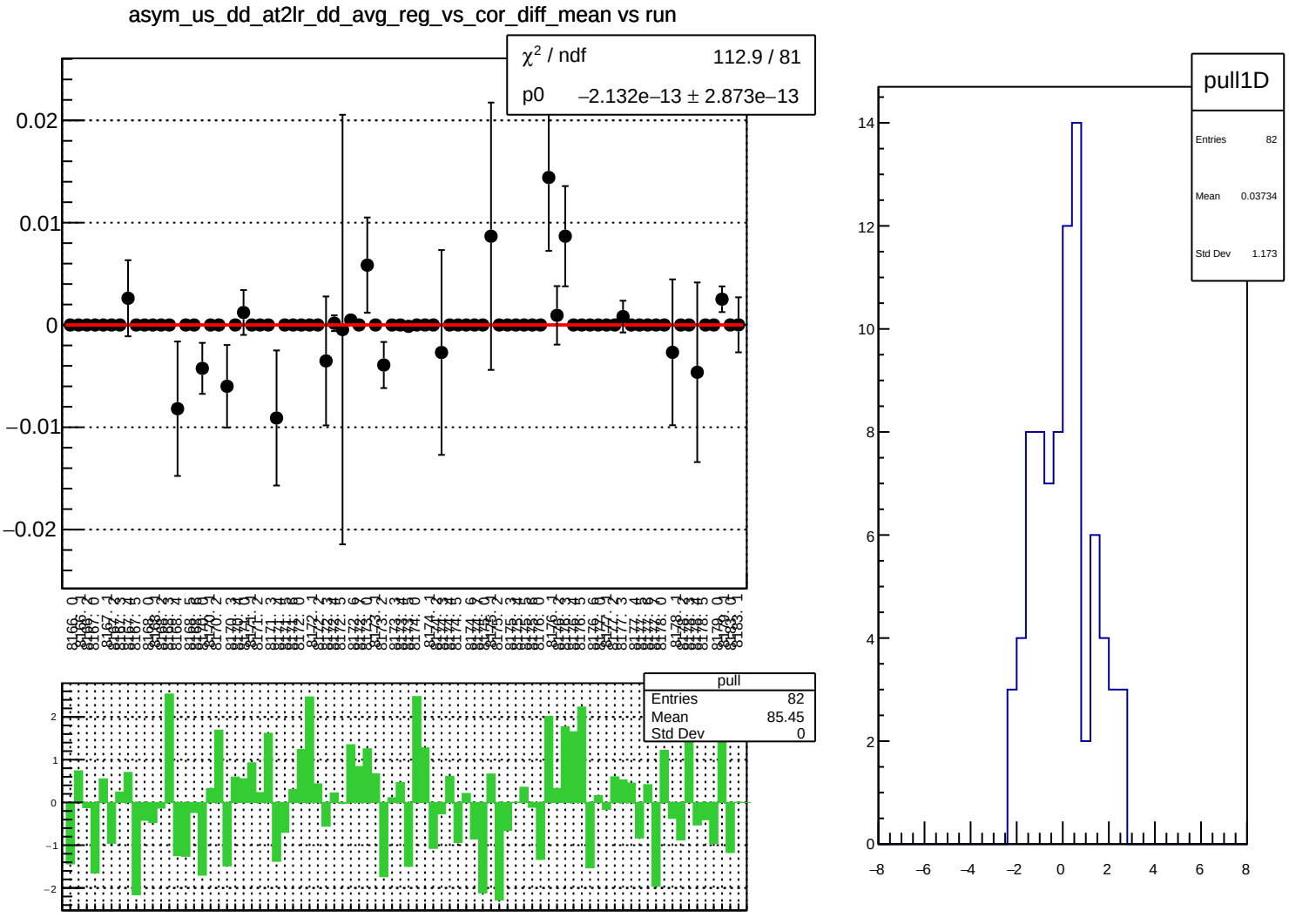

pull1D
Entries 82
Mean 0.0001712
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

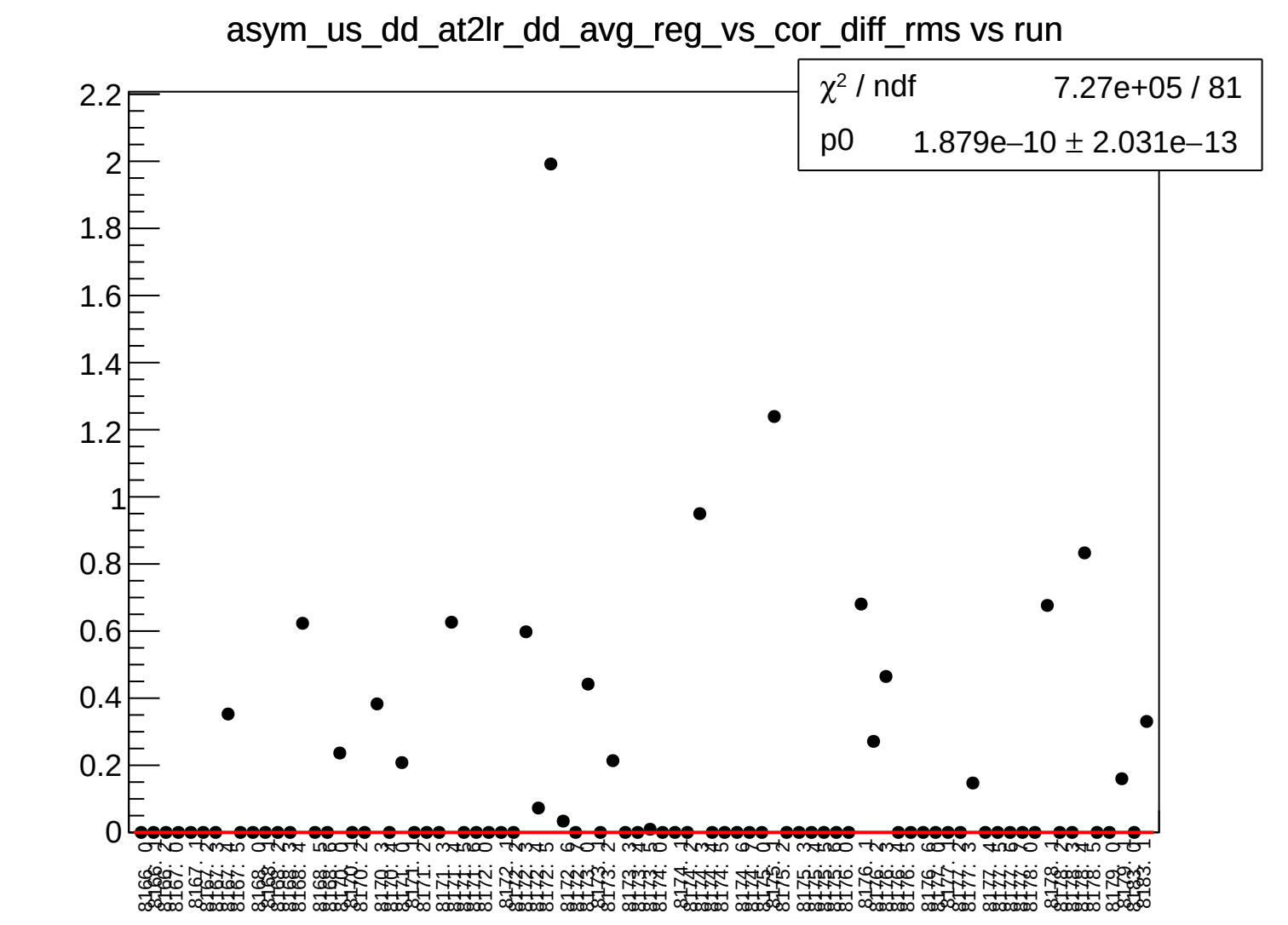

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1556 / 81
p0 3387 ± 2.693
4000
3900
3800
3700
3600
3500
3400
3300
3200

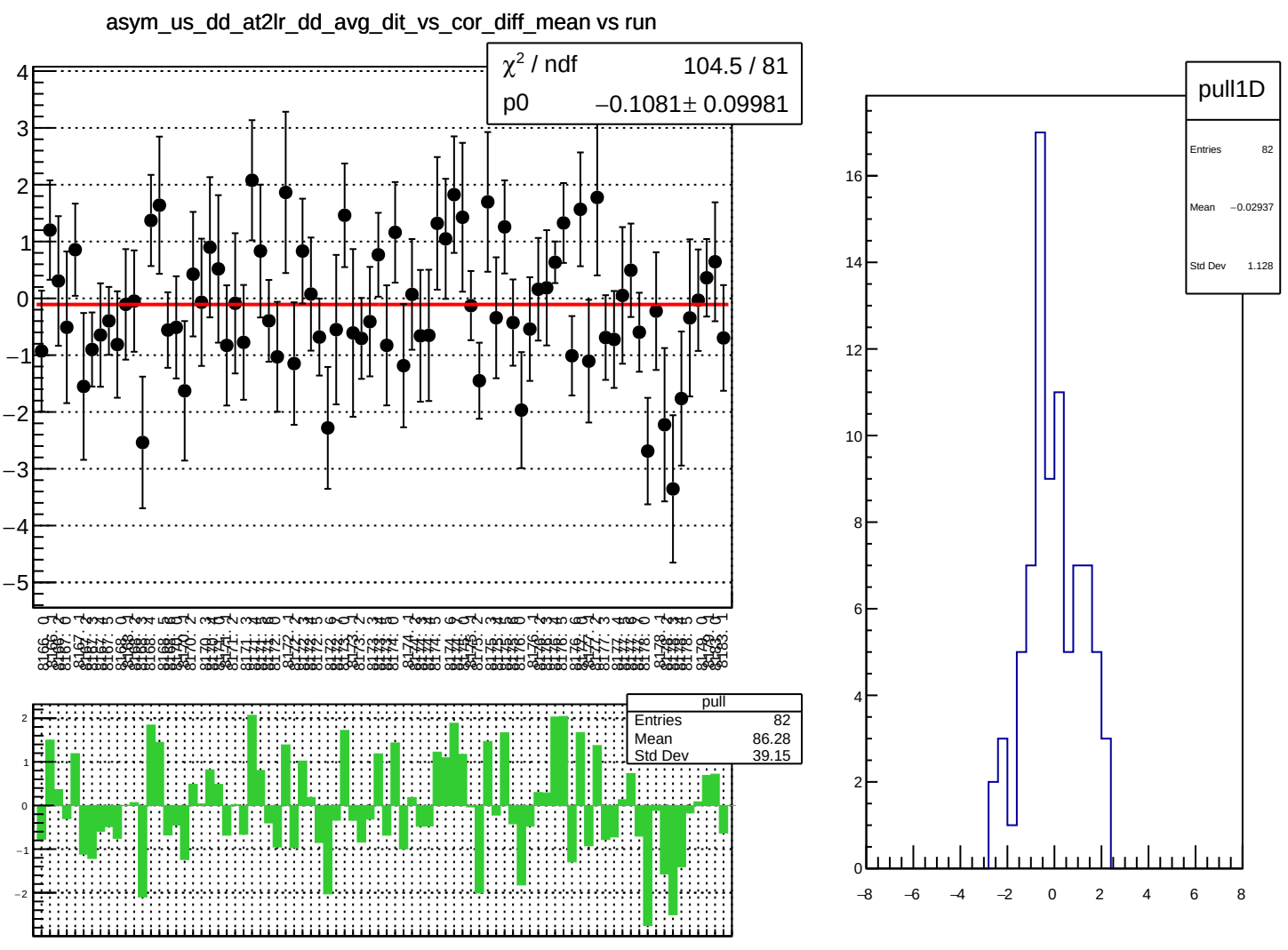

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 76.81 / 81
p0 6751 ± 4547
150
100
50
0
−50
−100
pull
Entries 82
Mean 1.3e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

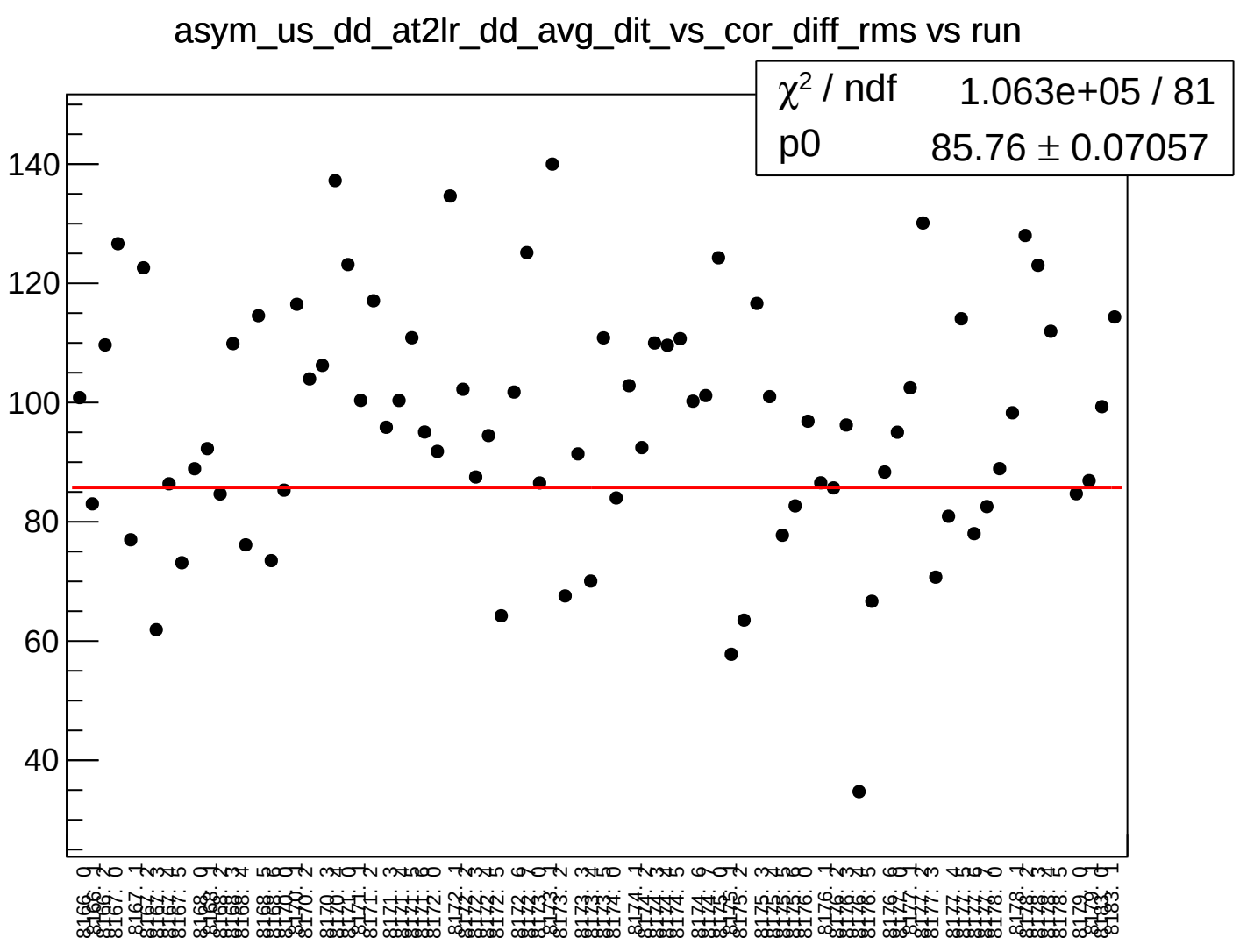

pull1D
Entries 82
Mean −0.0001569
Std Dev 0.9679
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

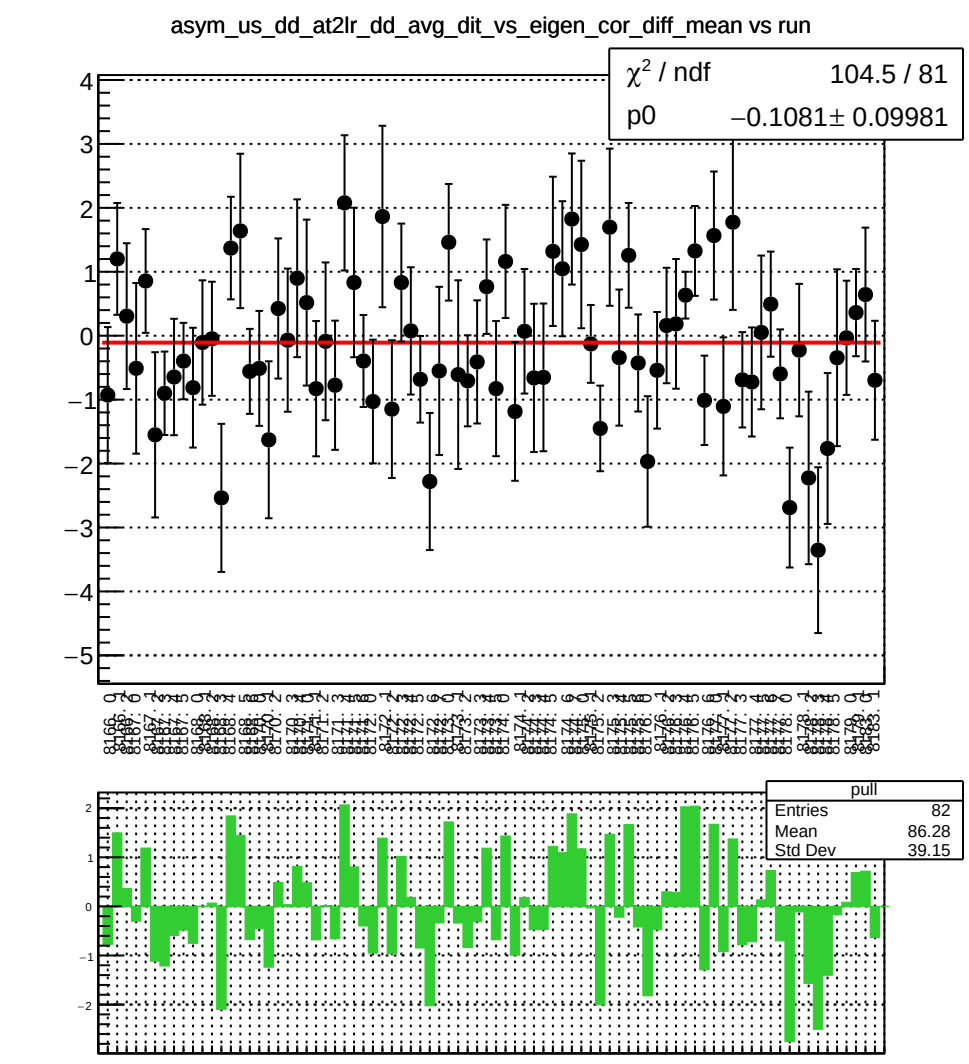

asym_us_dd_at2lr_dd_avg_rms vs run
χ^2 / ndf 989.3 / 81
p0 4044 ± 3.215
4600
4500
4400
4300
4200
4100
4000
3900
3800

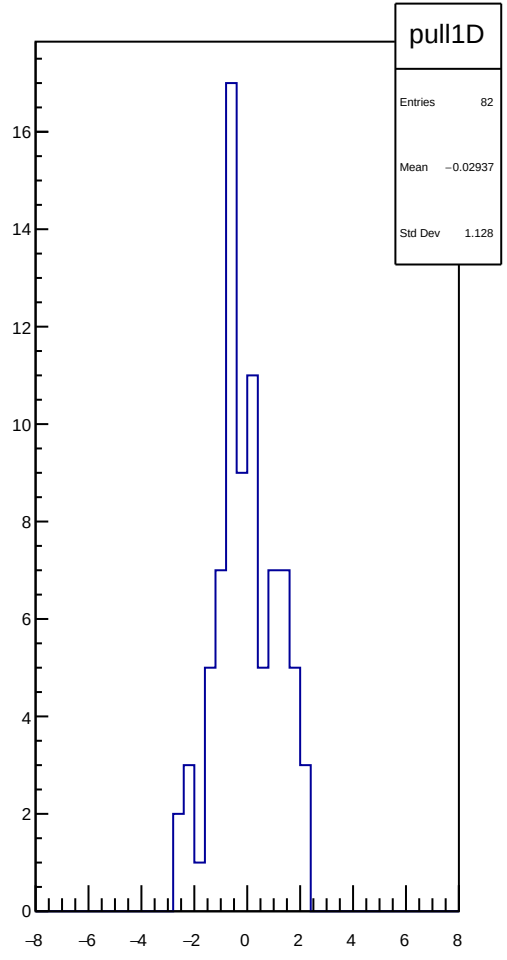

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 112.9 / 81
p0 −2.132e−13 ± 2.873e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 82
Mean 85.45
Std Dev 0
pull1D
Entries 82
Mean 0.03734
Std Dev 1.173
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

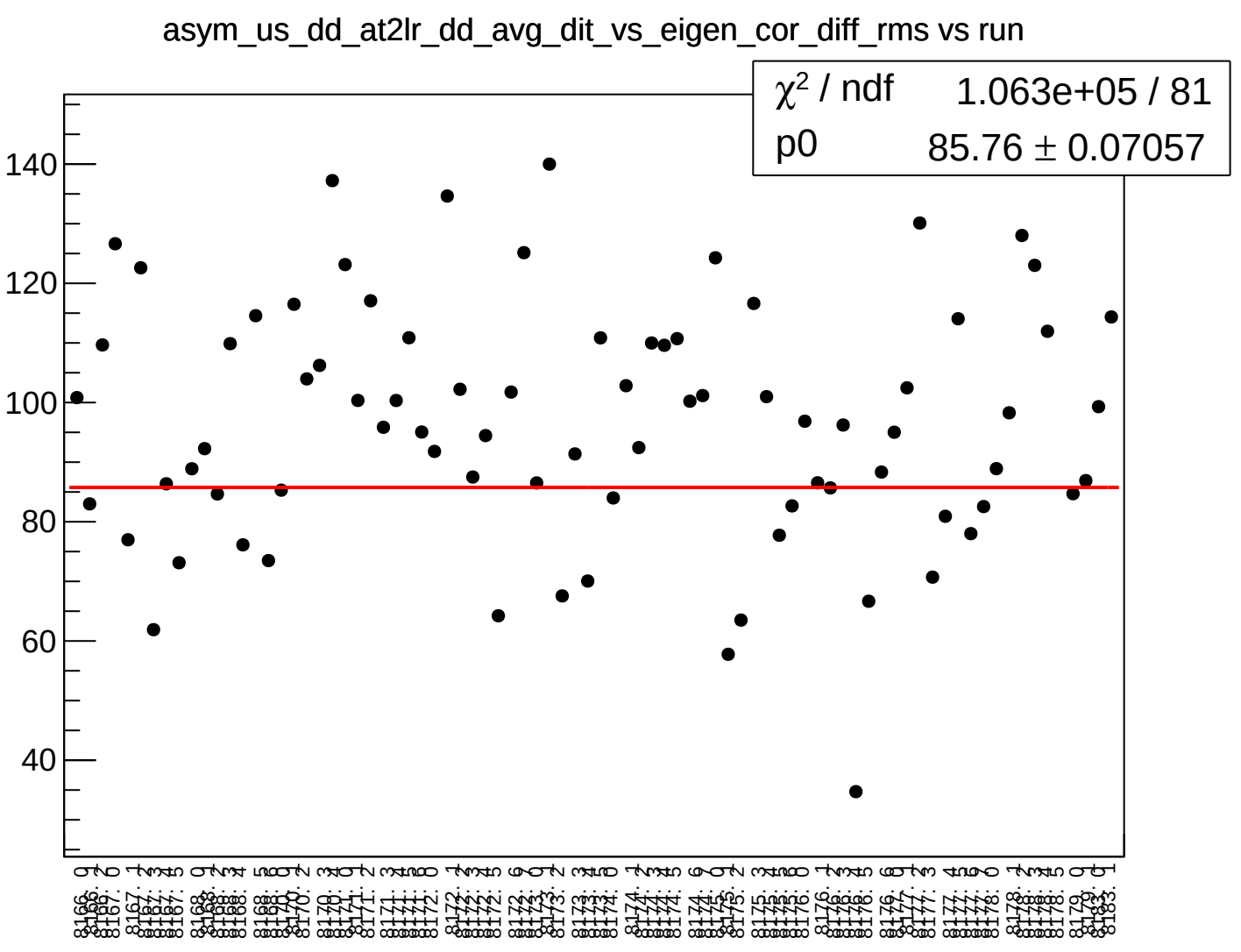

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.27e+05 / 81
p0 1.879e−10 ± 2.031e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

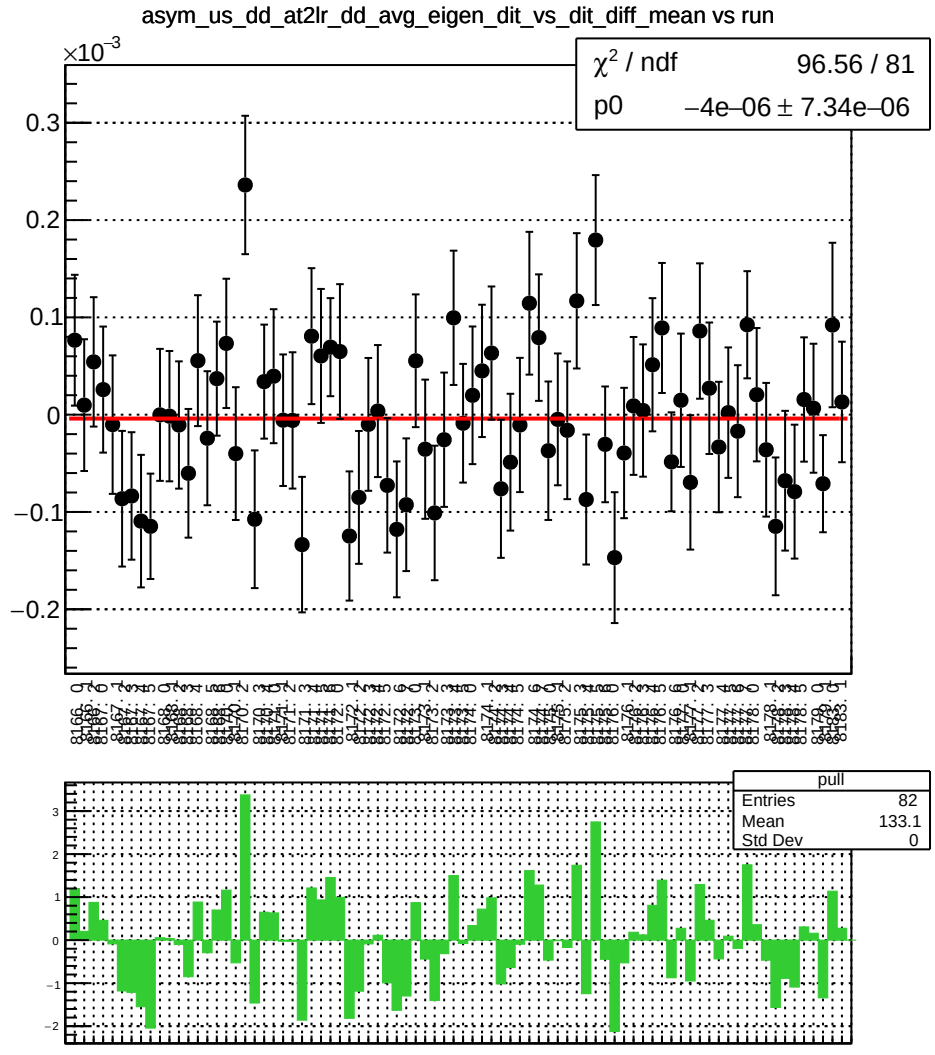

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 104.5 / 81
p0 −0.1081± 0.09981
pull
Entries 82
Mean 86.28
Std Dev 39.15
pull1D
Entries 82
Mean −0.02937
Std Dev 1.128

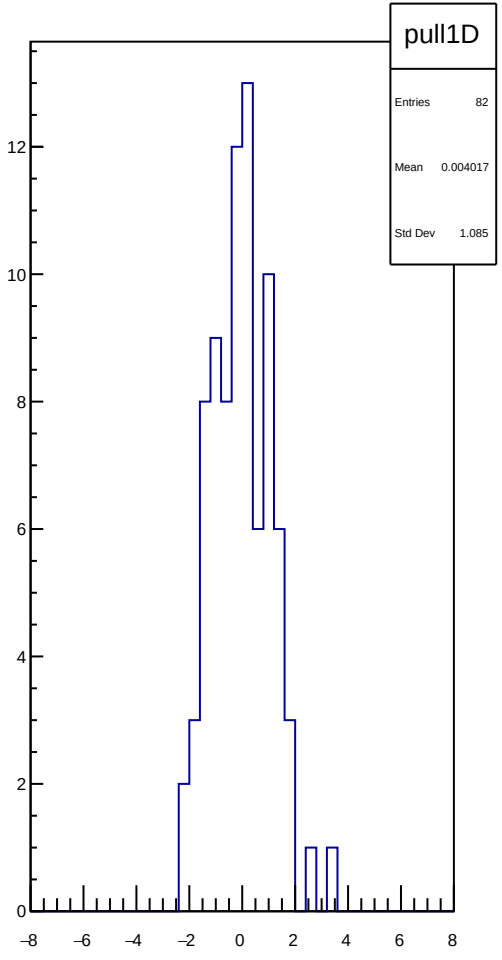

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.063e+05 / 81
p0 85.76 ± 0.07057
140
120
100
80
60
40

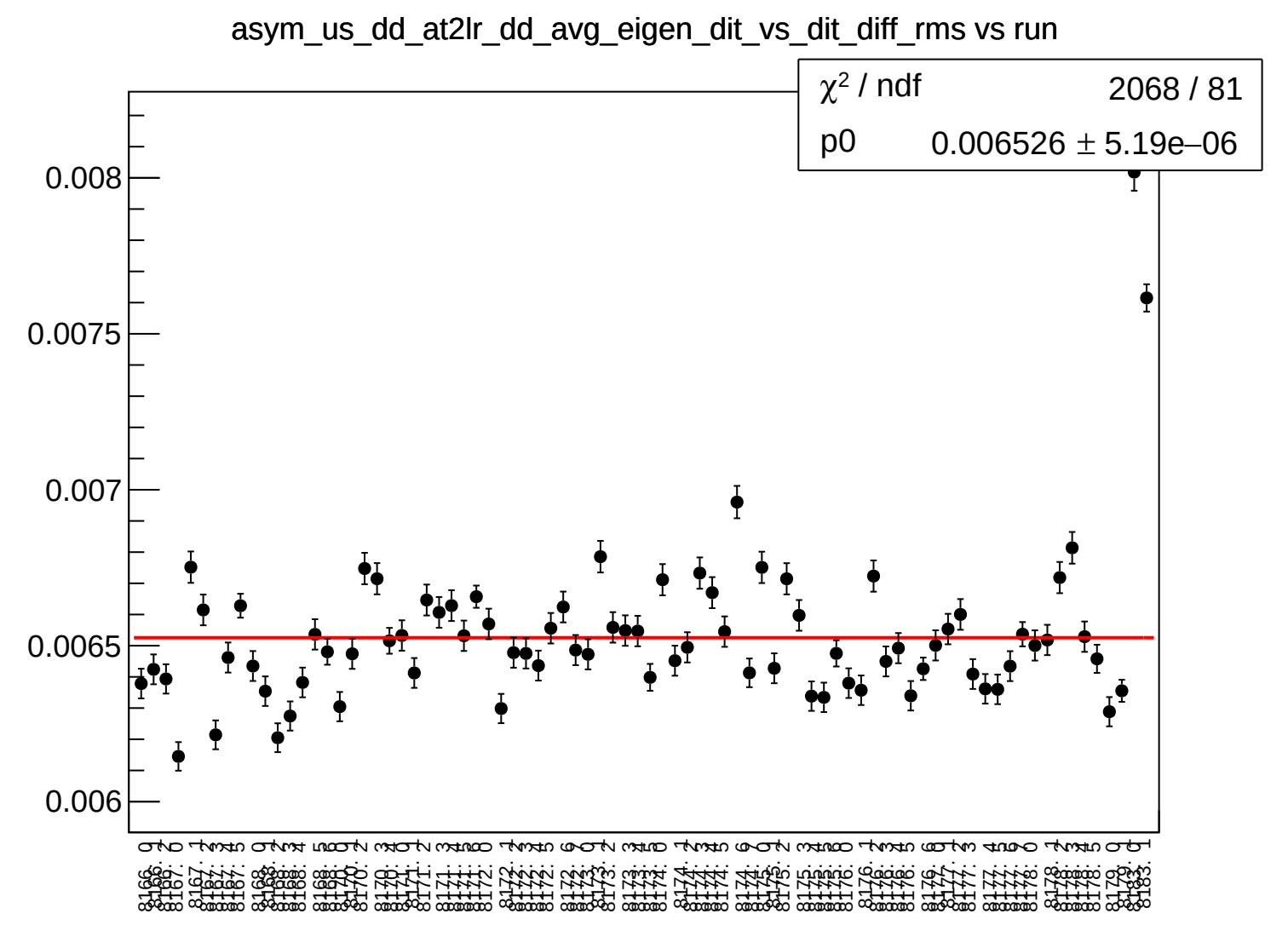

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.5 / 81
p0 −0.1081± 0.09981
pull
Entries 82
Mean 86.28
Std Dev 39.15

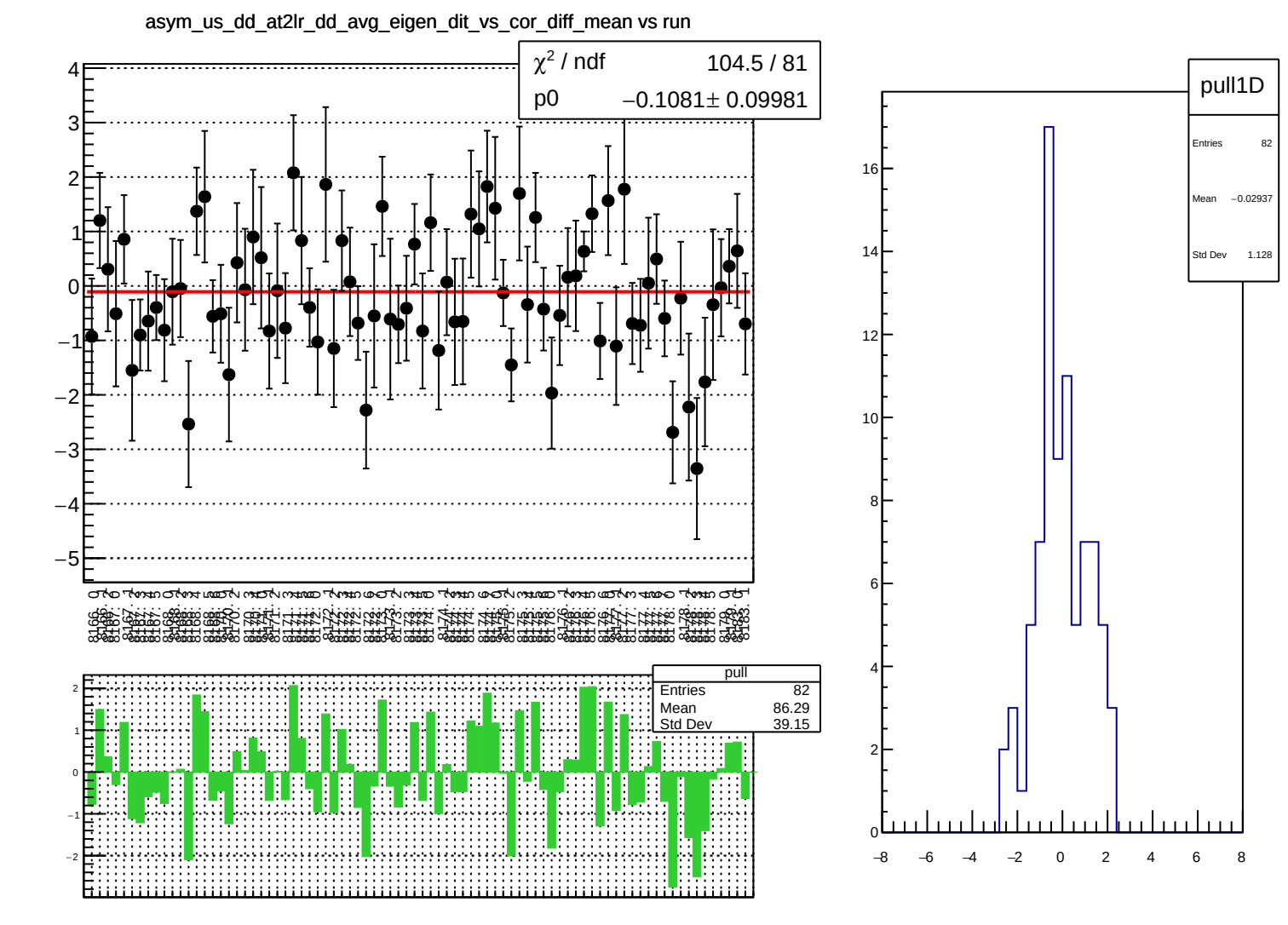

pull1D
Entries 82
Mean −0.02937
Std Dev 1.128

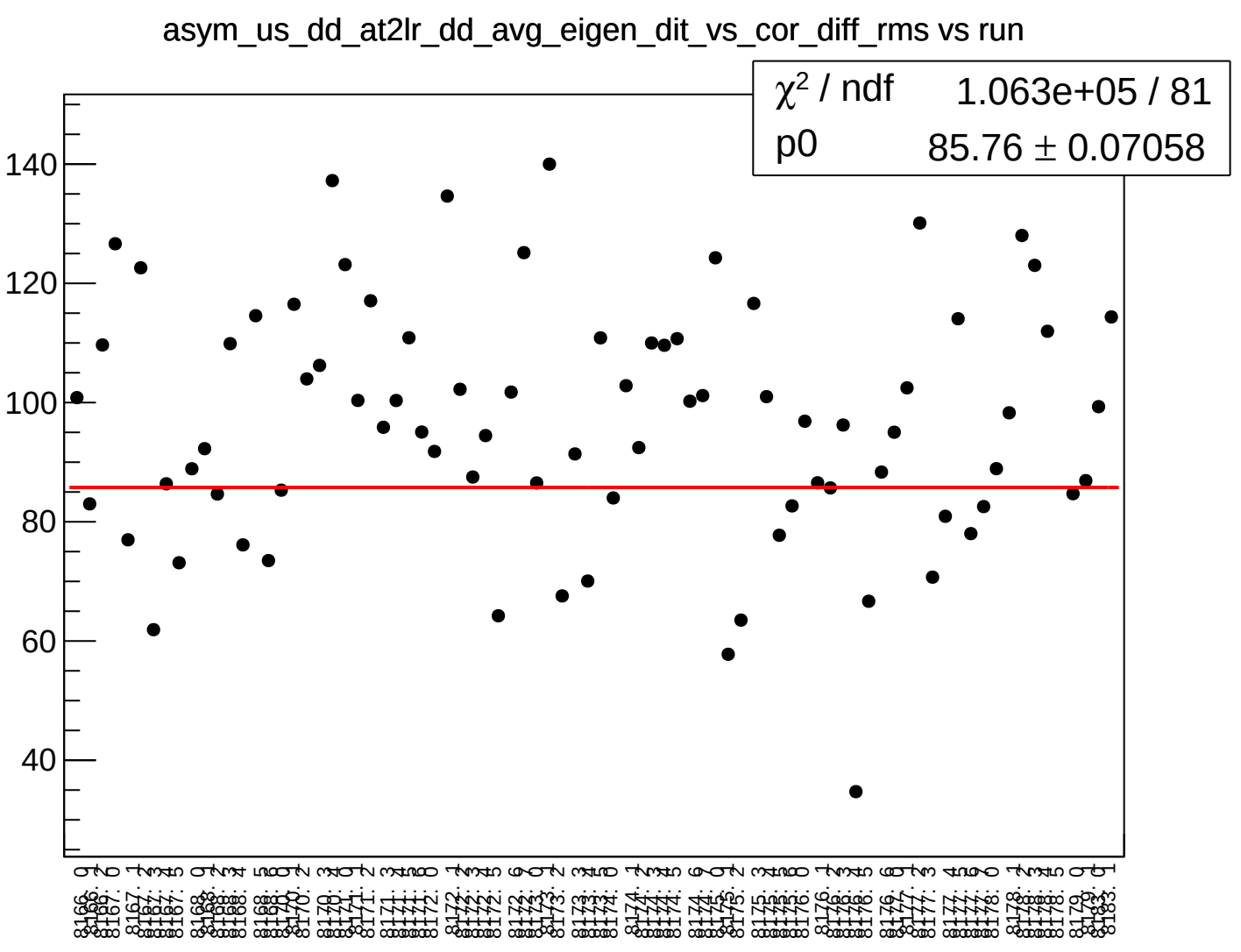

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.063e+05 / 81
p0 85.76 ± 0.07057
140
120
100
80
60
40

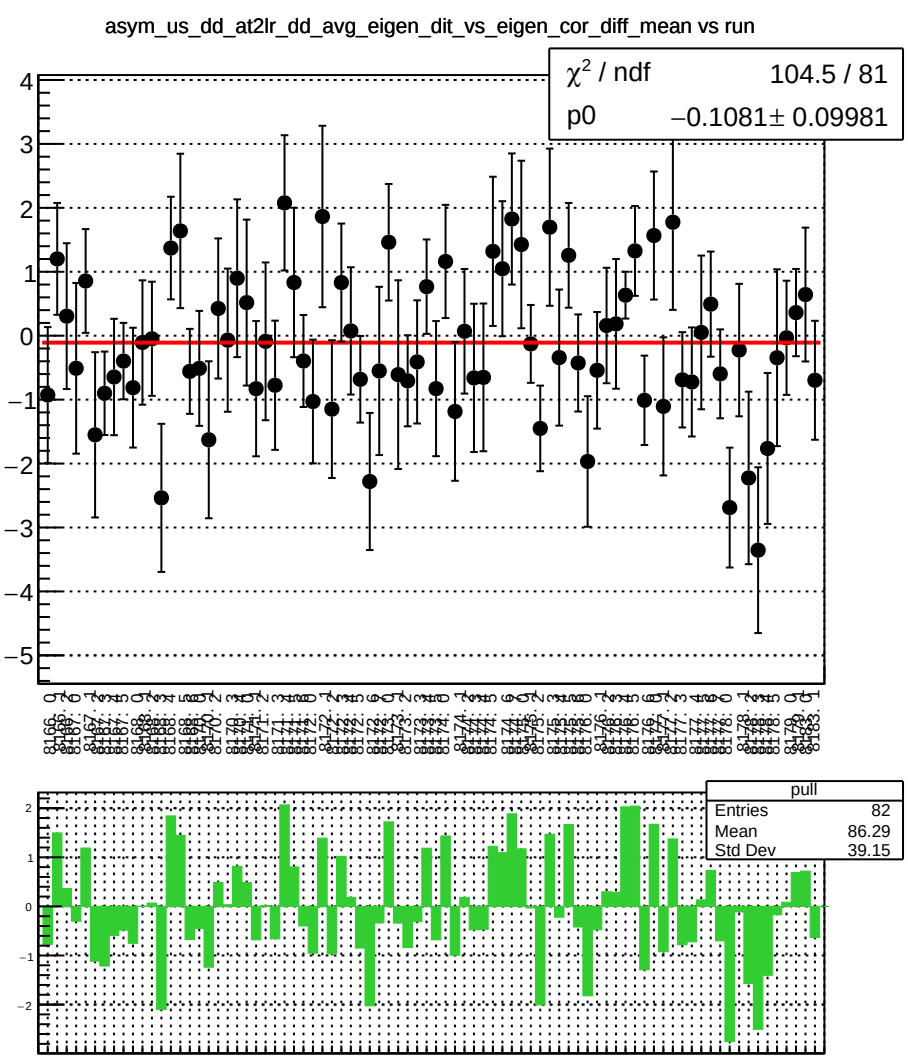

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 96.56 / 81
p0 −4e−06 ± 7.34e−06
pull
Entries 82
Mean 133.1
Std Dev 0

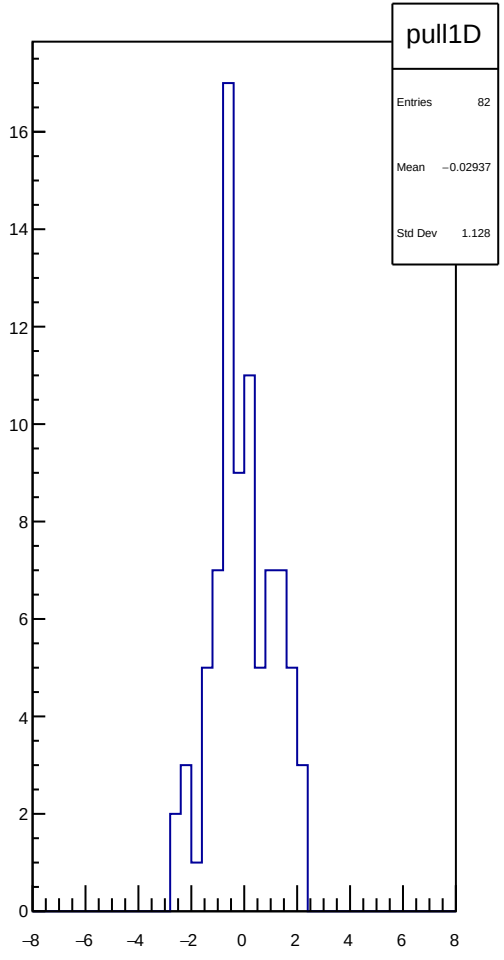

pull1D
Entries 82
Mean 0.004017
Std Dev 1.085

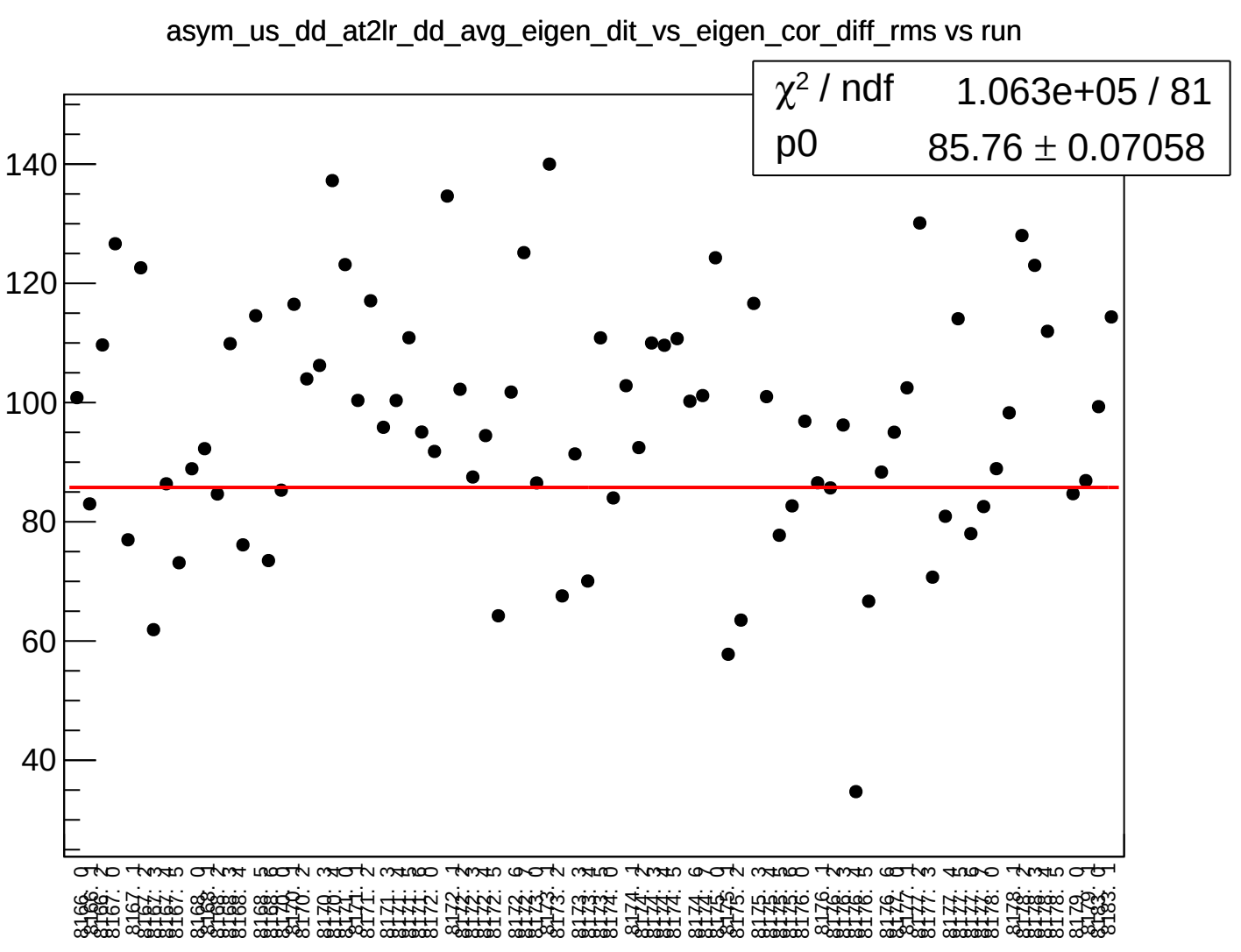

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2068 / 81
p0 0.006526 ± 5.19e−06
0.008
0.0075
0.007
0.0065
0.006

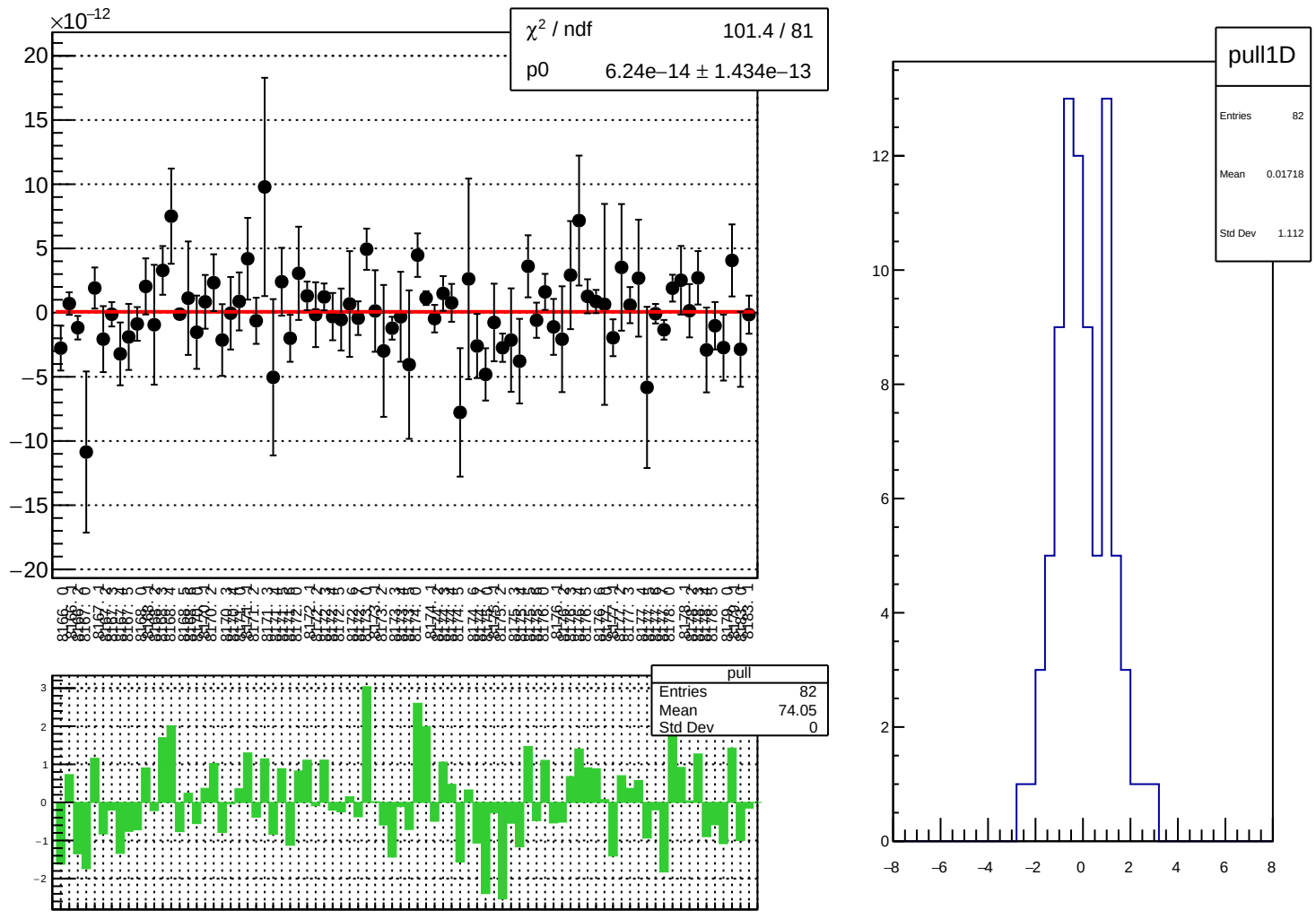

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 104.5 / 81
p0 −0.1081± 0.09981
pull
Entries 82
Mean 86.29
Std Dev 39.15
pull1D
Entries 82
Mean −0.02937
Std Dev 1.128

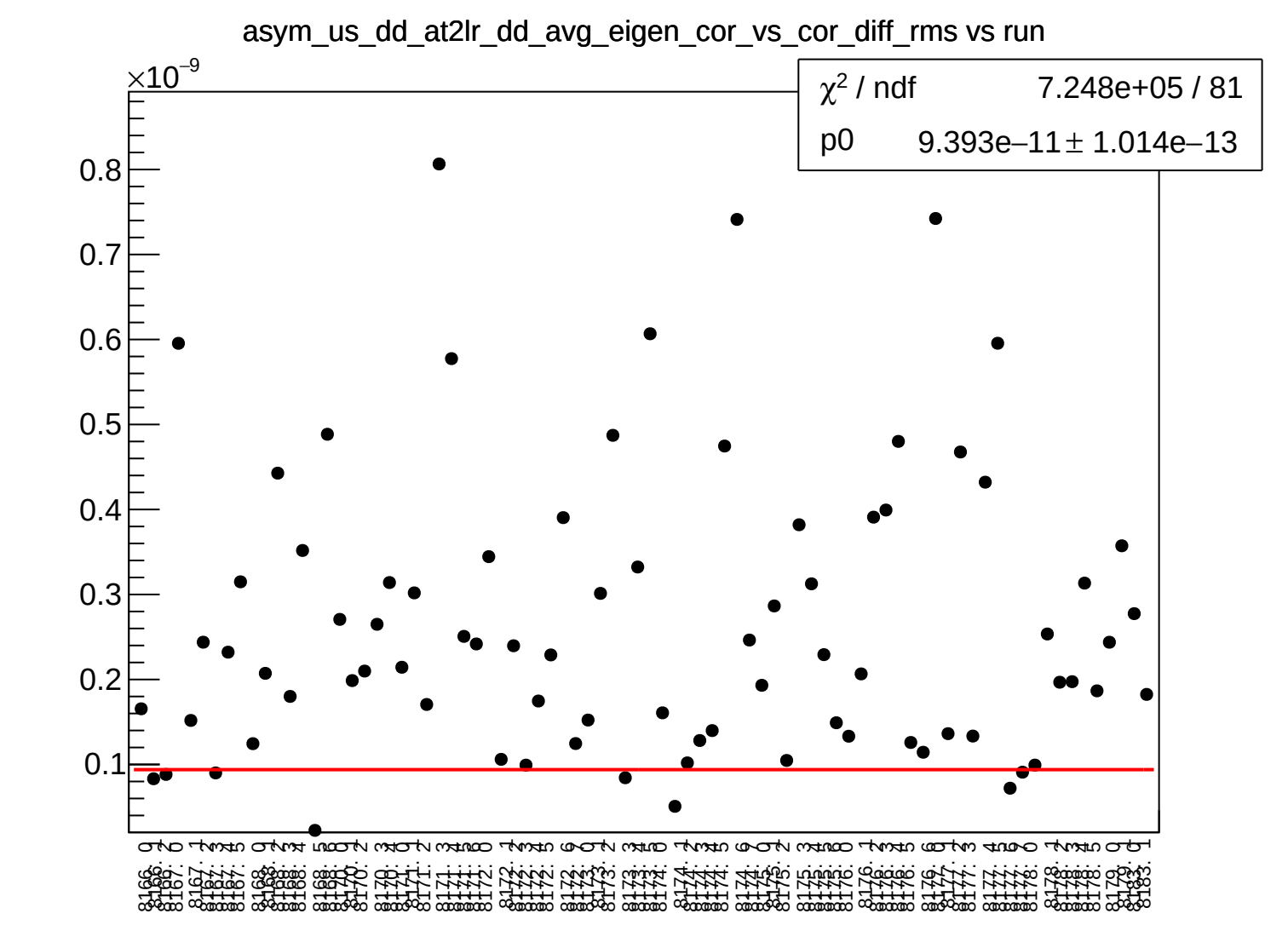

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.063e+05 / 81
p0 85.76 ± 0.07058
140
120
100
80
60
40

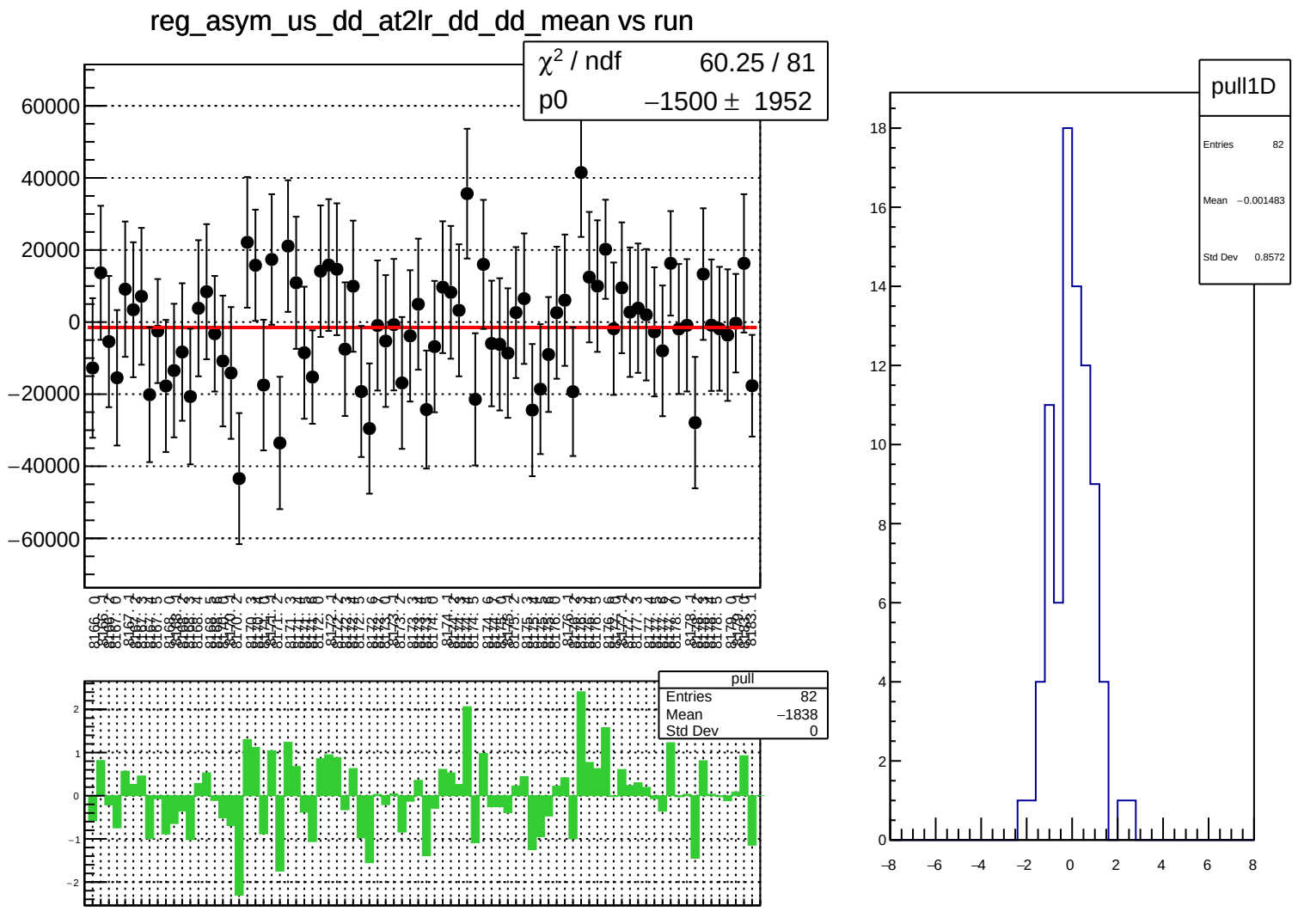

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 104.5 / 81
p0 −0.1081± 0.09981
pull
Entries 82
Mean 86.29
Std Dev 39.15

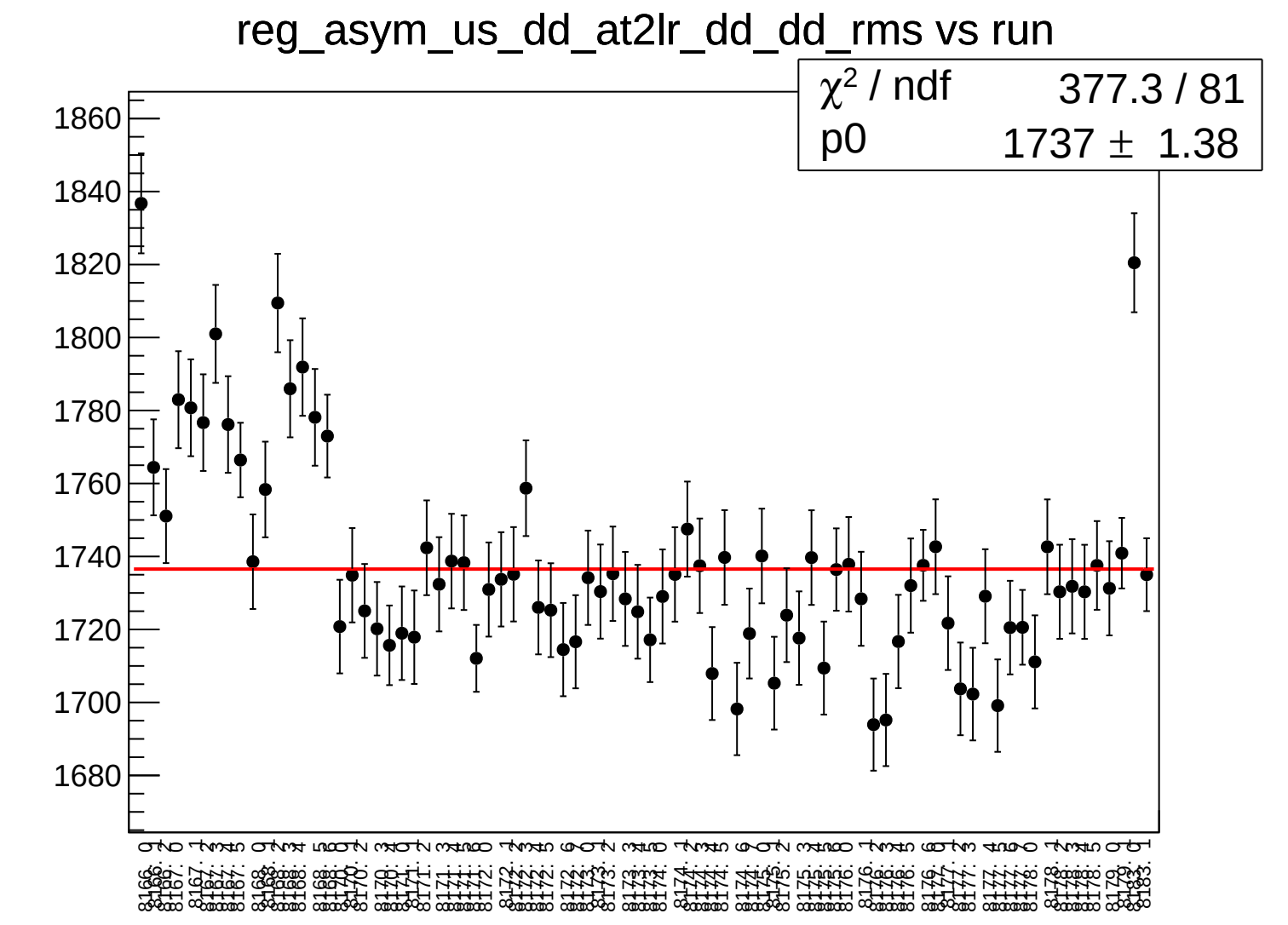

pull1D
Entries 82
Mean −0.02937
Std Dev 1.128

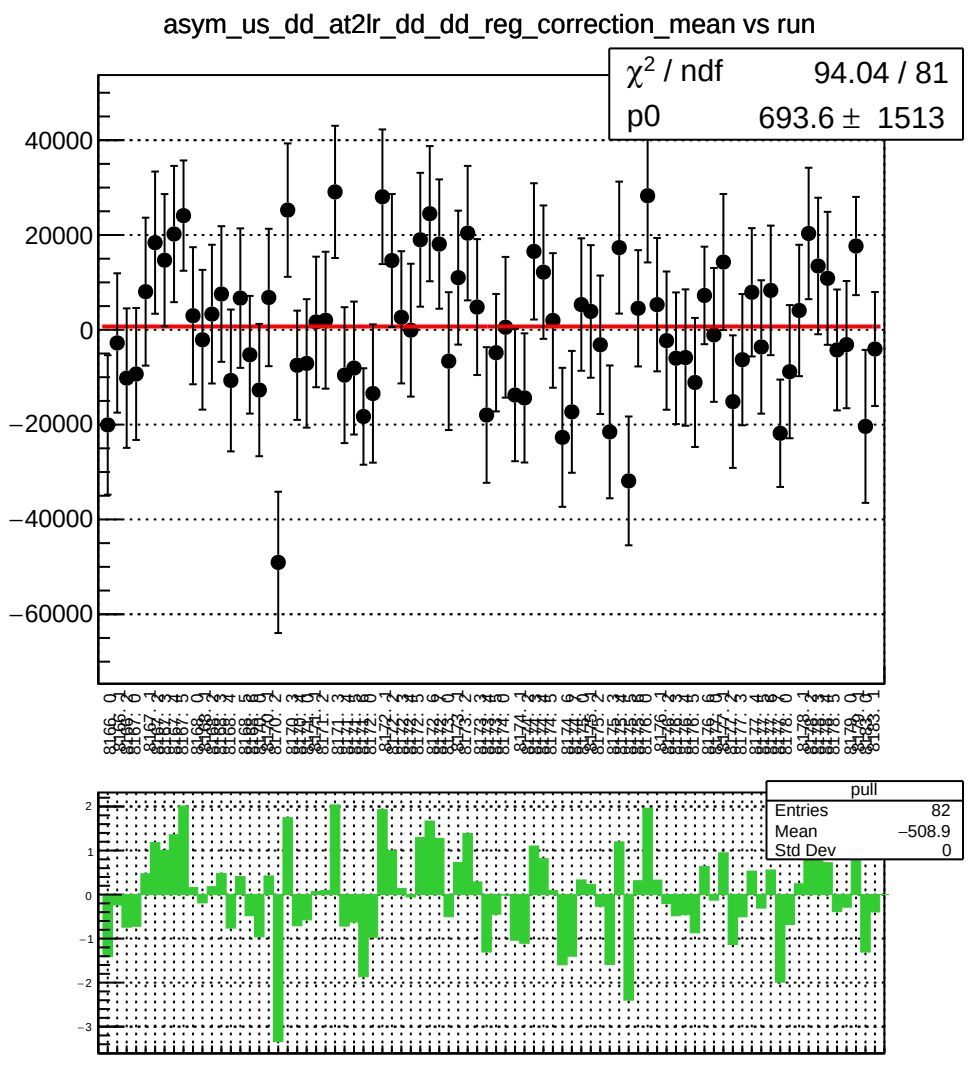

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.063e+05 / 81
p0 85.76 ± 0.07058
140
120
100
80
60
40

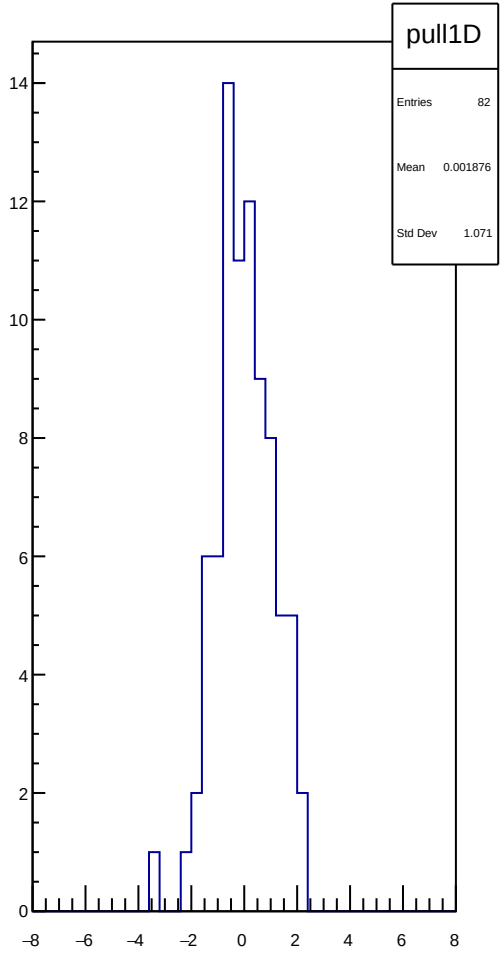

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 101.4 / 81
p0 6.24e−14 ± 1.434e−13
pull
Entries 82
Mean 74.05
Std Dev 0
pull1D
Entries 82
Mean 0.01718
Std Dev 1.112

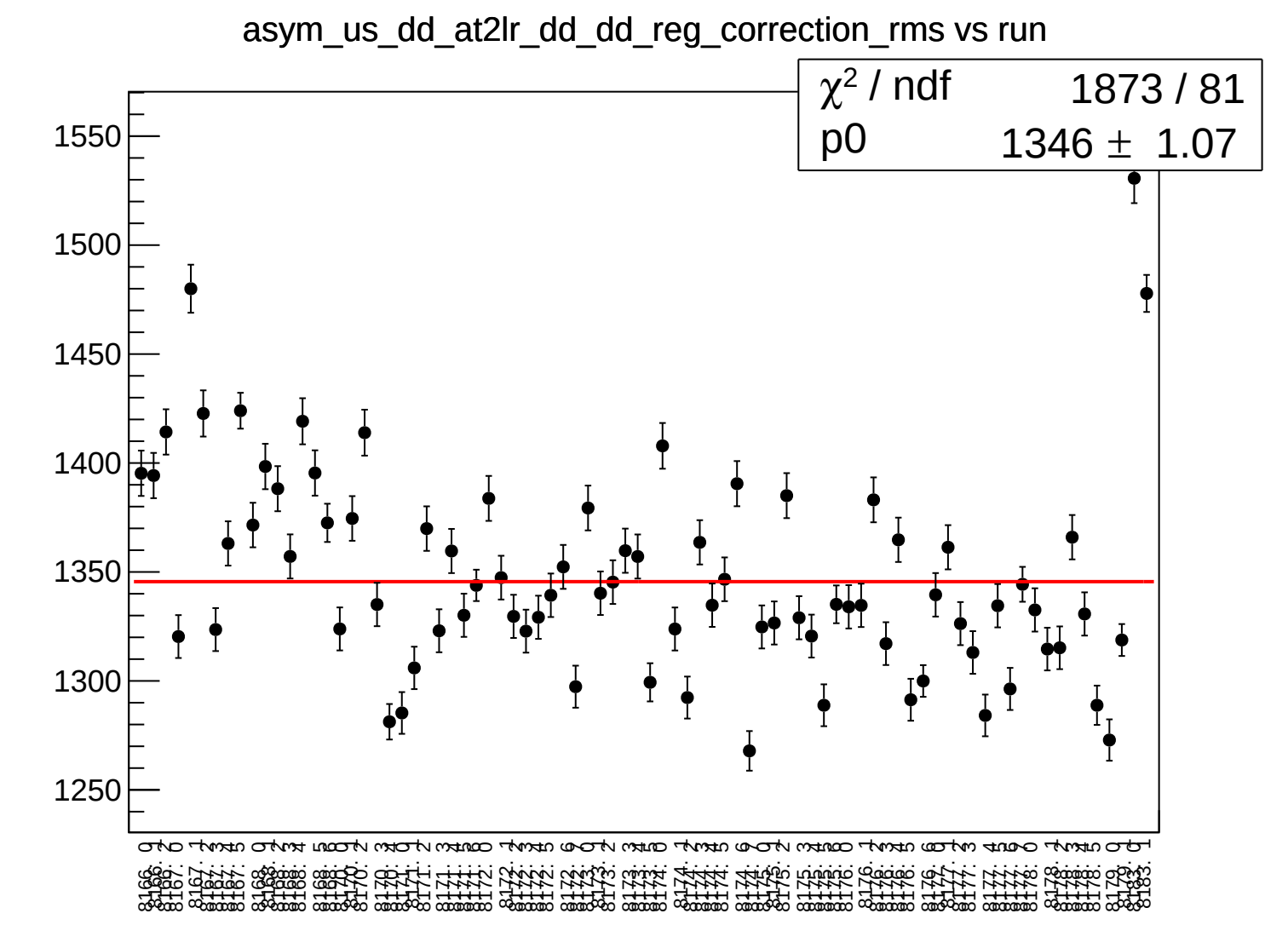

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.248e+05 / 81
p0 9.393e−11 ± 1.014e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

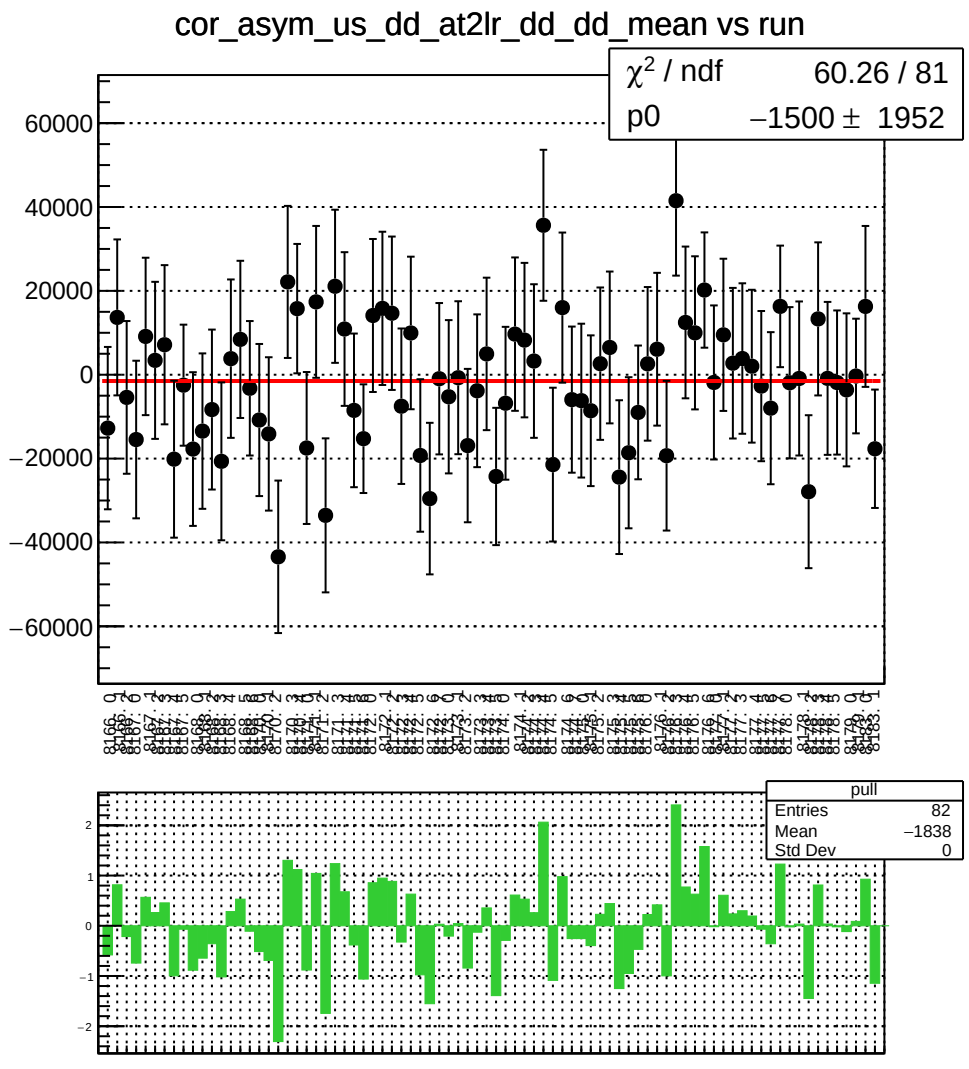

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.25 / 81
p0 −1500 ± 1952
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1838
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.001483
Std Dev 0.8572
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

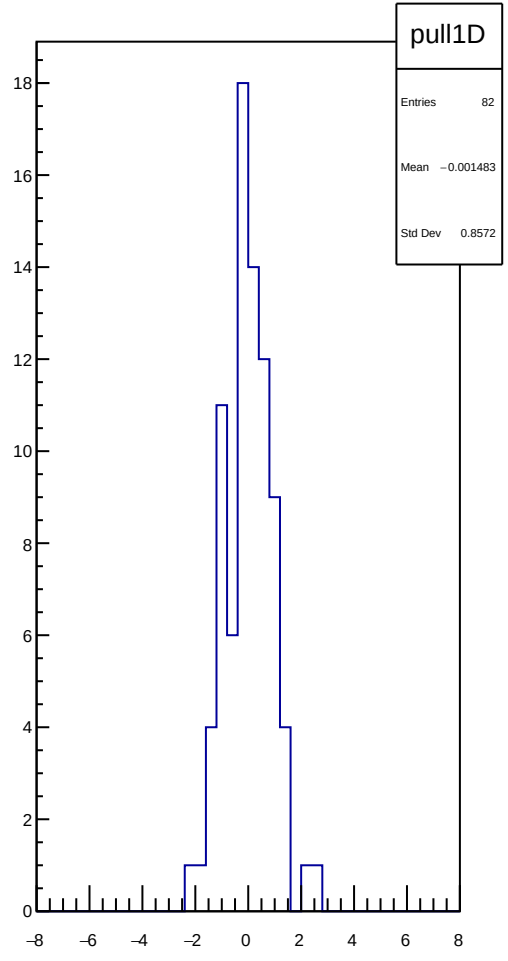

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 377.3 / 81
p0 1737 ± 1.38
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

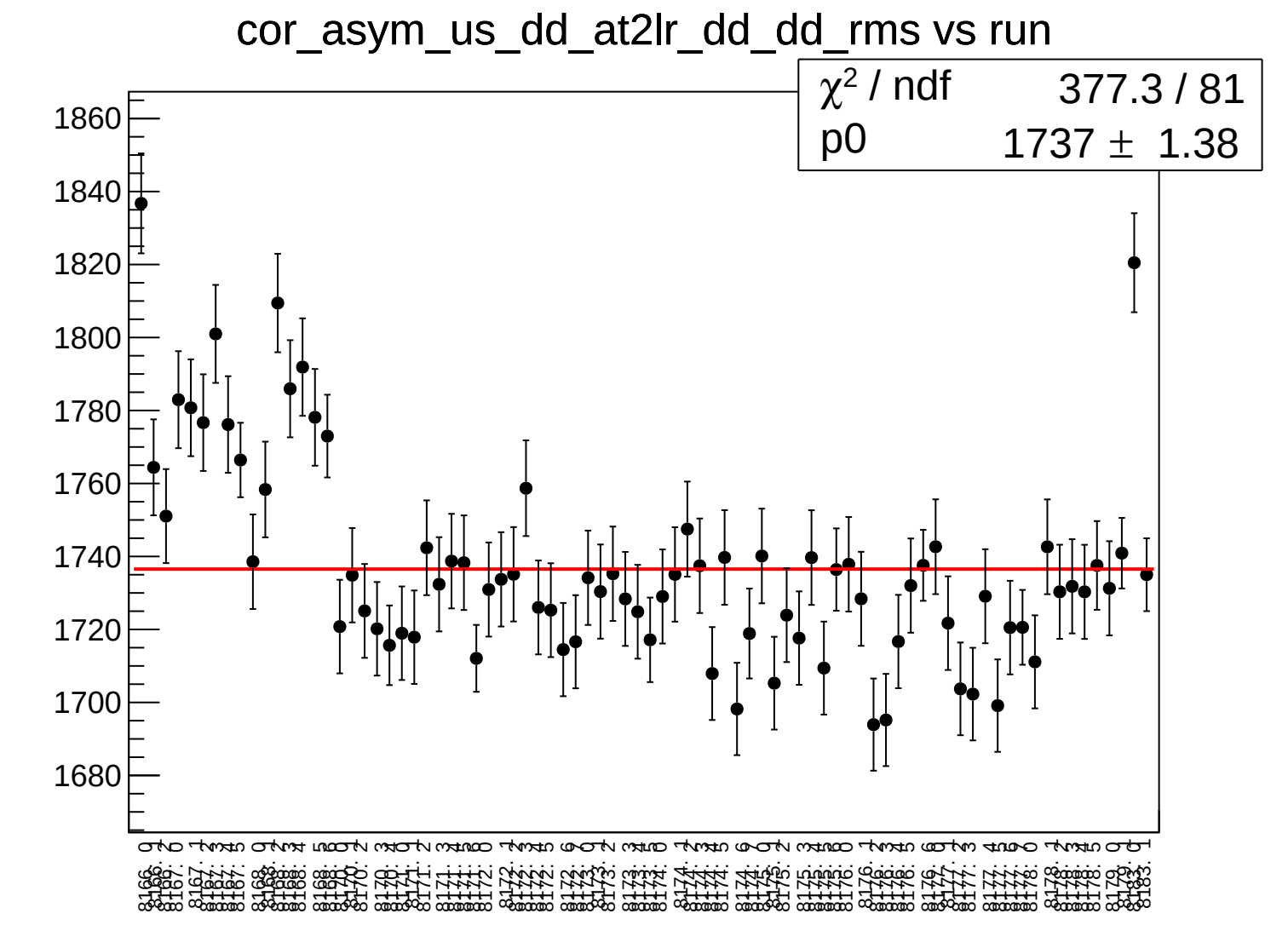

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 94.04 / 81
p0 693.6 ± 1513
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −508.9
Std Dev 0
2
1
0
−1
−2
−3

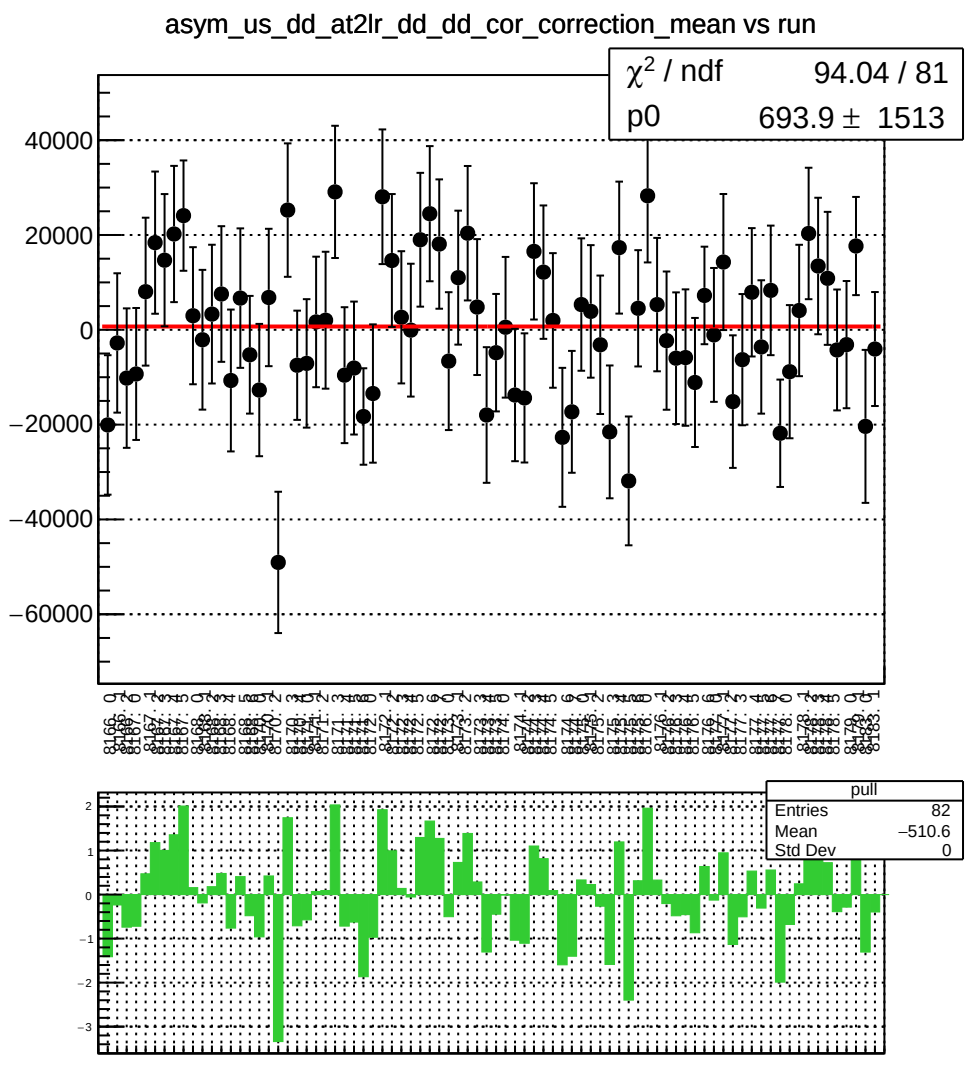

pull1D
Entries 82
Mean 0.001876
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

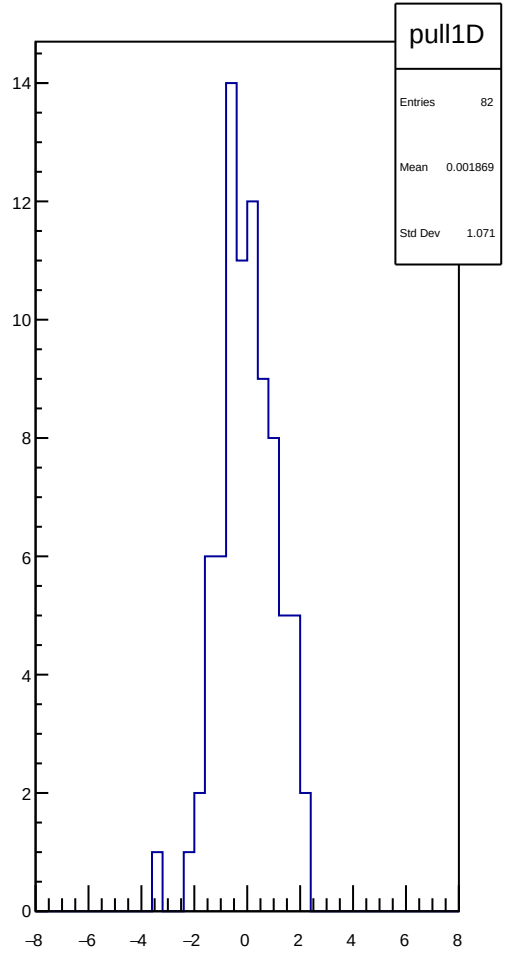

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1873 / 81
p0 1346 ± 1.07
1550
1500
1450
1400
1350
1300
1250

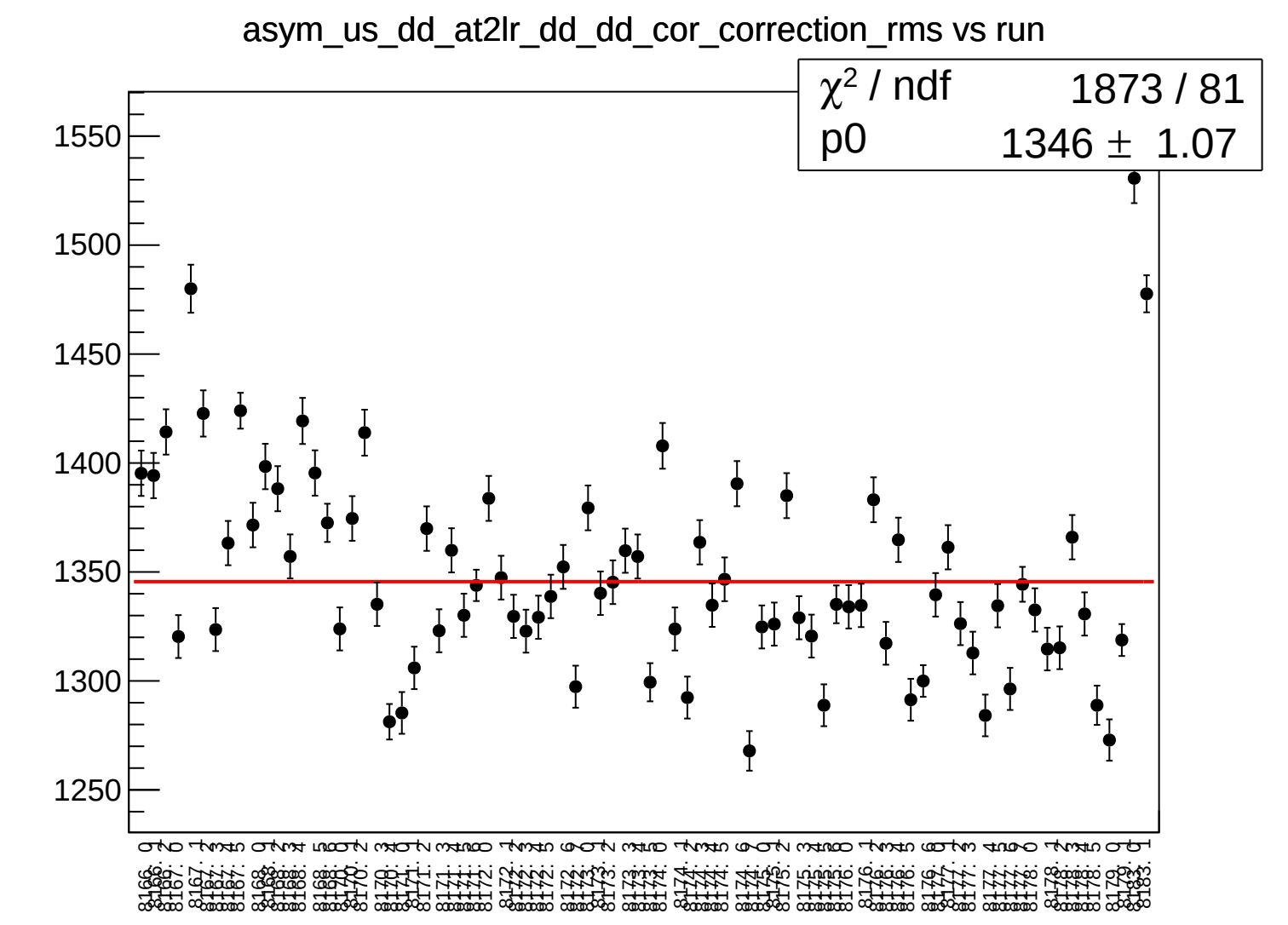

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.26 / 81
p0 −1500 ± 1952
pull
Entries 82
Mean −1838
Std Dev 0

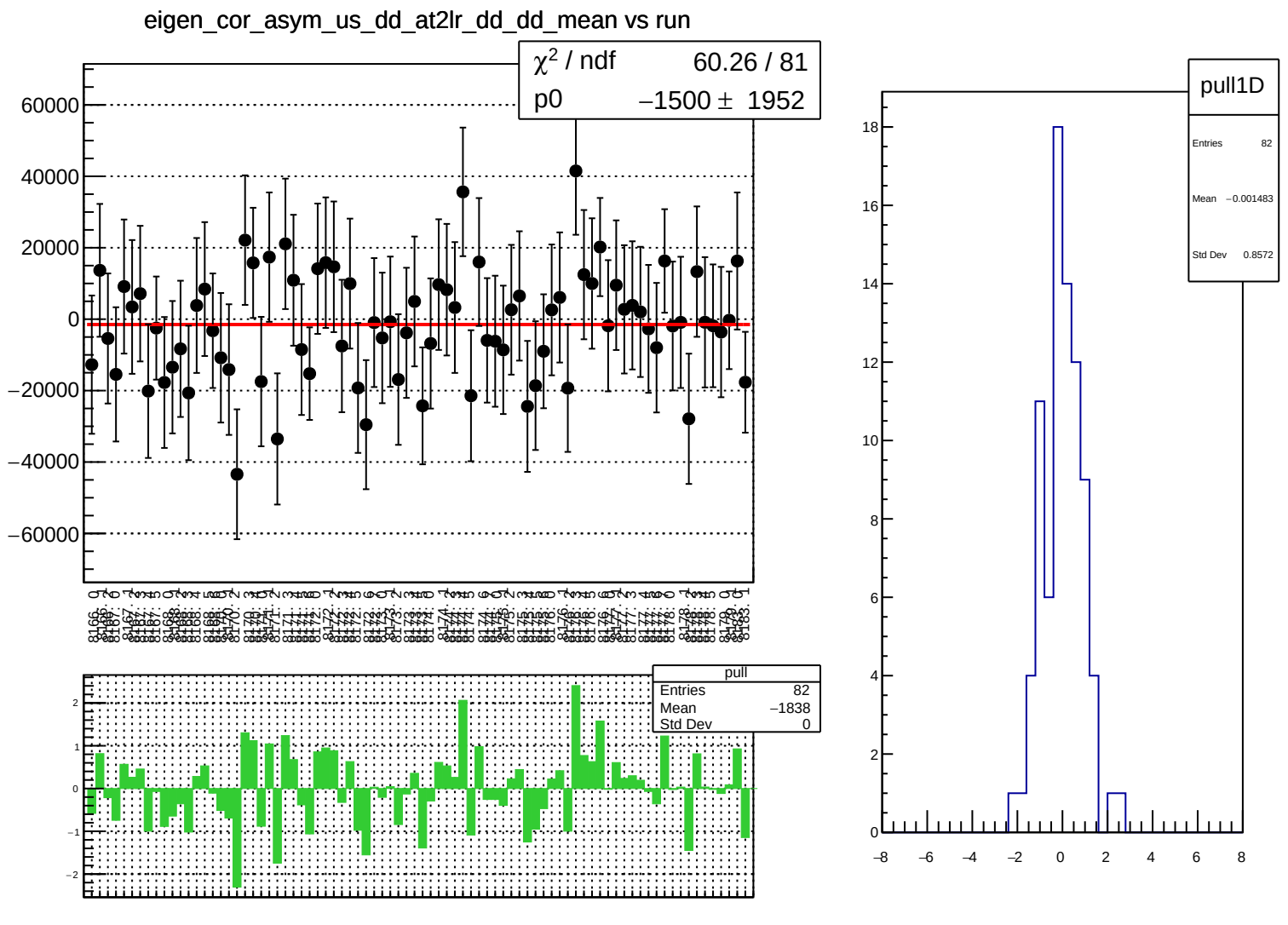

pull1D
Entries 82
Mean −0.001483
Std Dev 0.8572

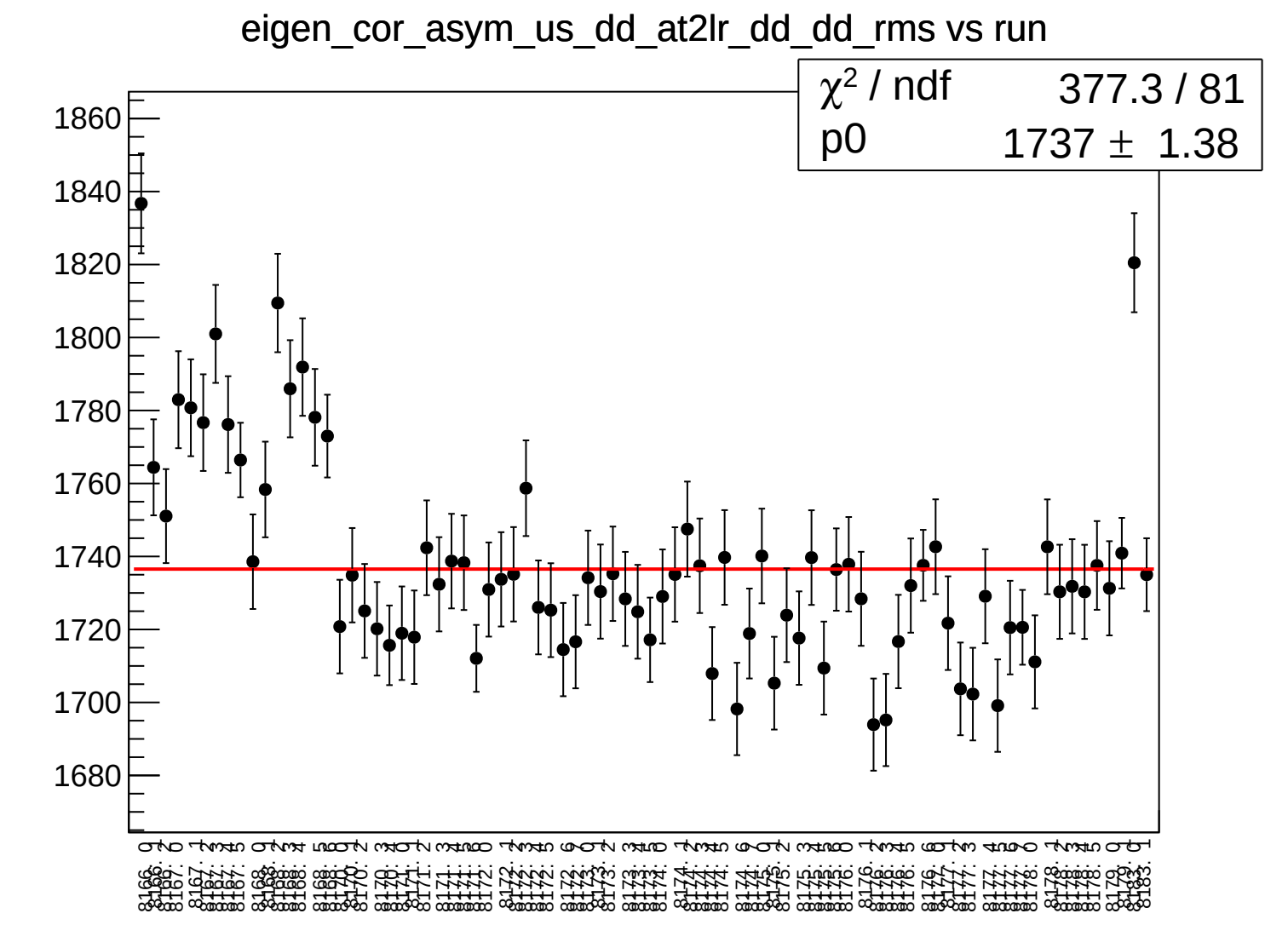

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 377.3 / 81
p0 1737 ± 1.38
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

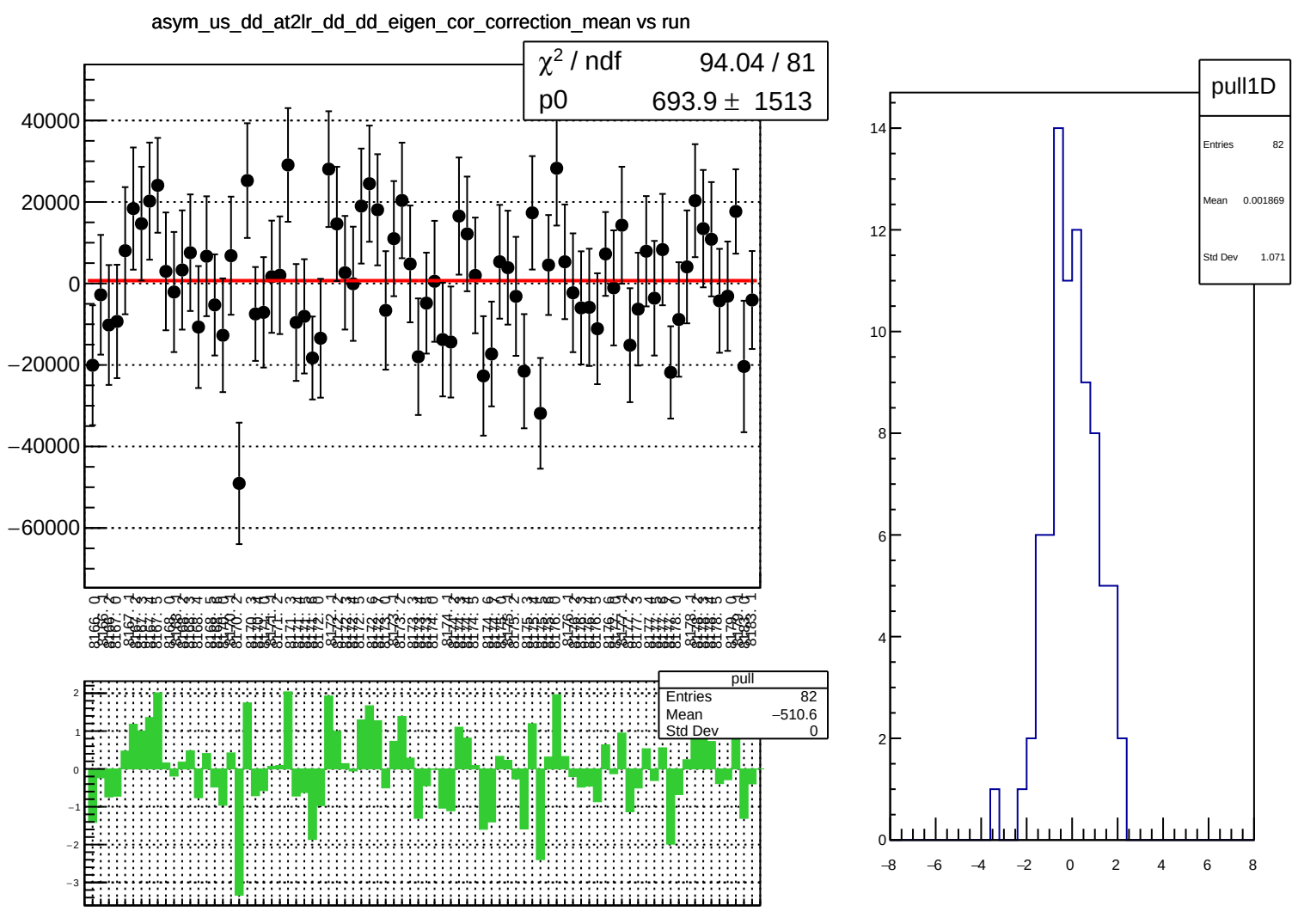

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 94.04 / 81
p0 693.9 ± 1513
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −510.6
Std Dev 0
2
1
0
−1
−2
−3

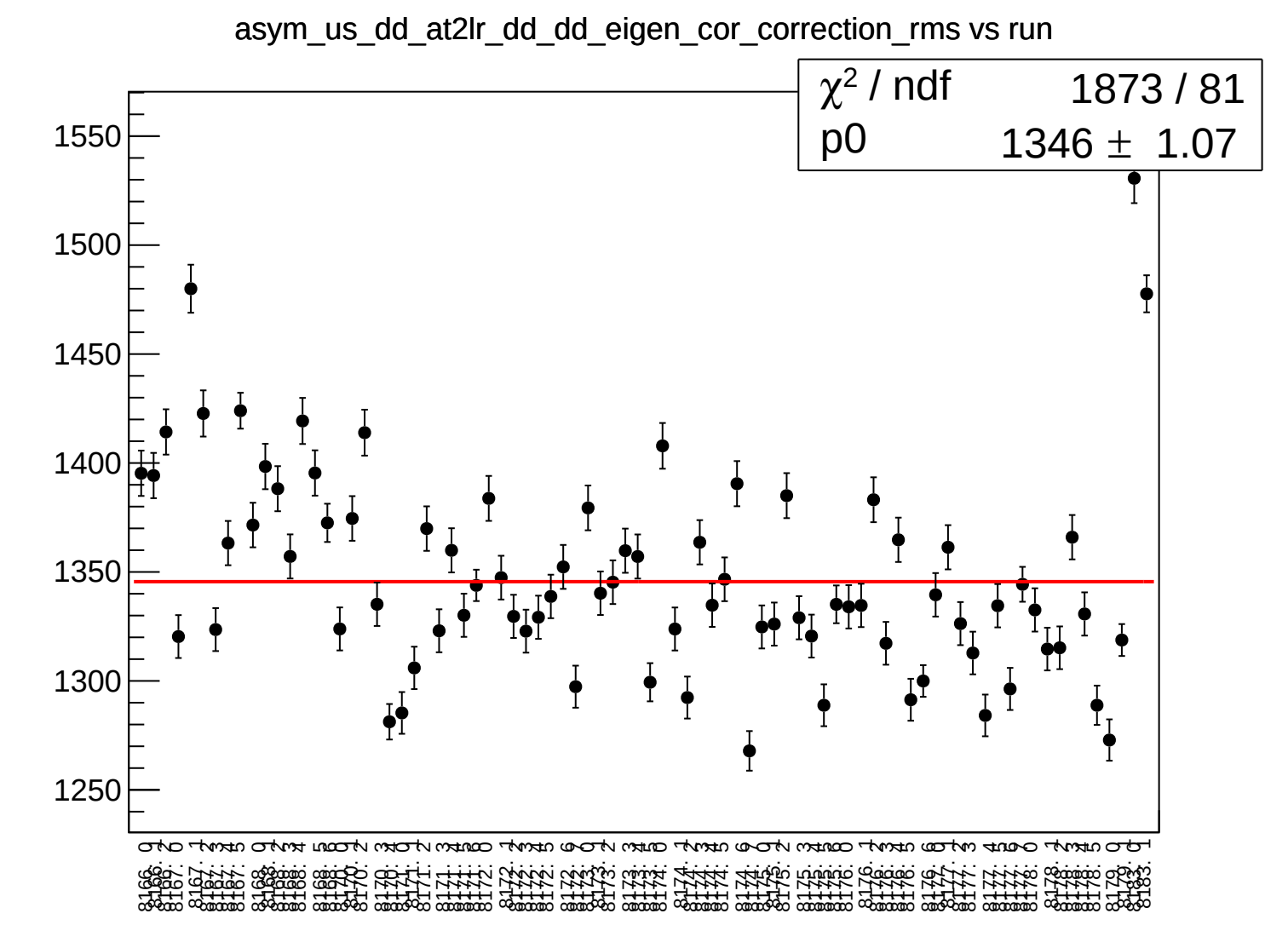

pull1D
Entries 82
Mean 0.001869
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

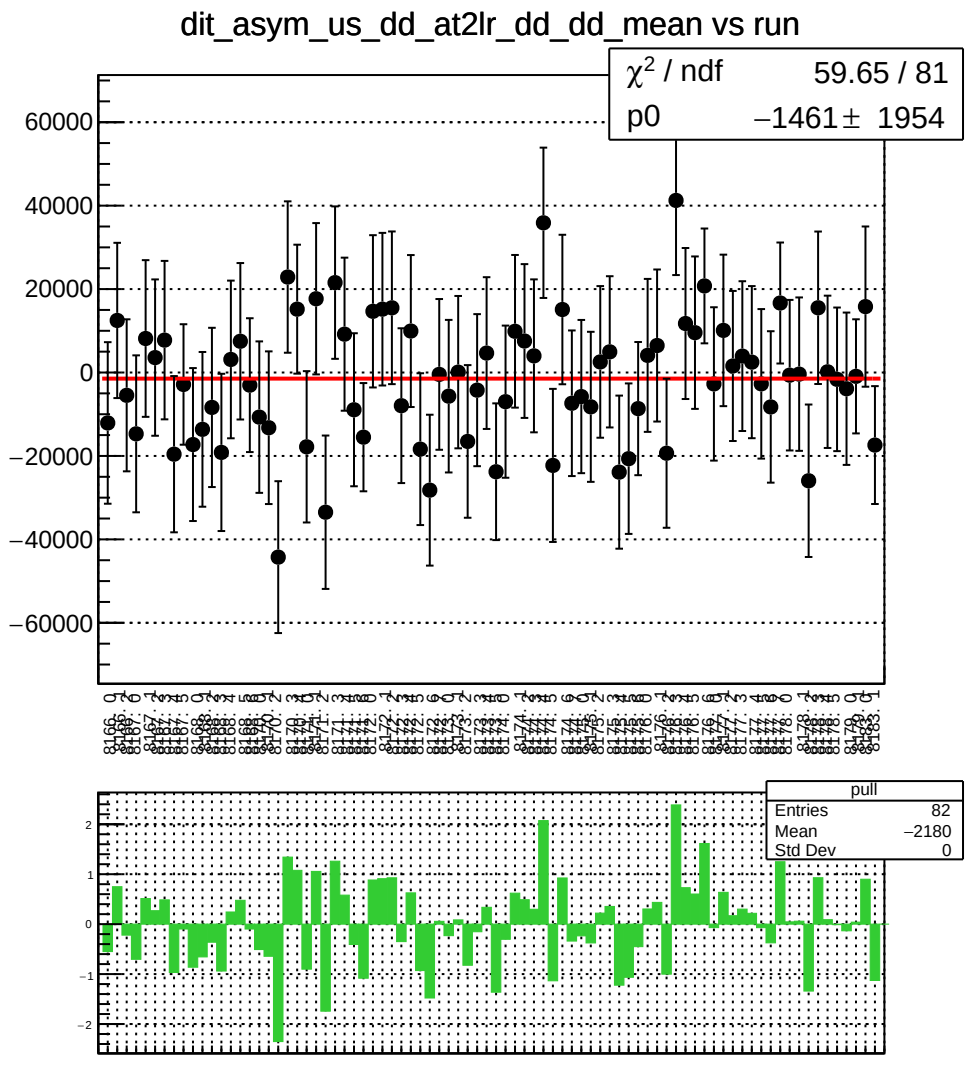

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1873 / 81
p0 1346 ± 1.07
1550
1500
1450
1400
1350
1300
1250

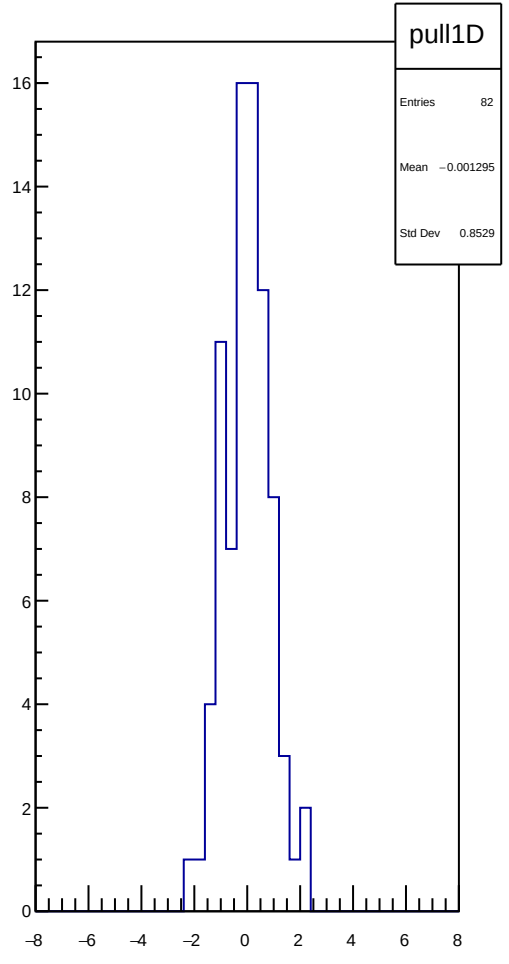

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.26 / 81
p0 −1500 ± 1952
pull
Entries 82
Mean −1838
Std Dev 0
pull1D
Entries 82
Mean −0.001483
Std Dev 0.8572

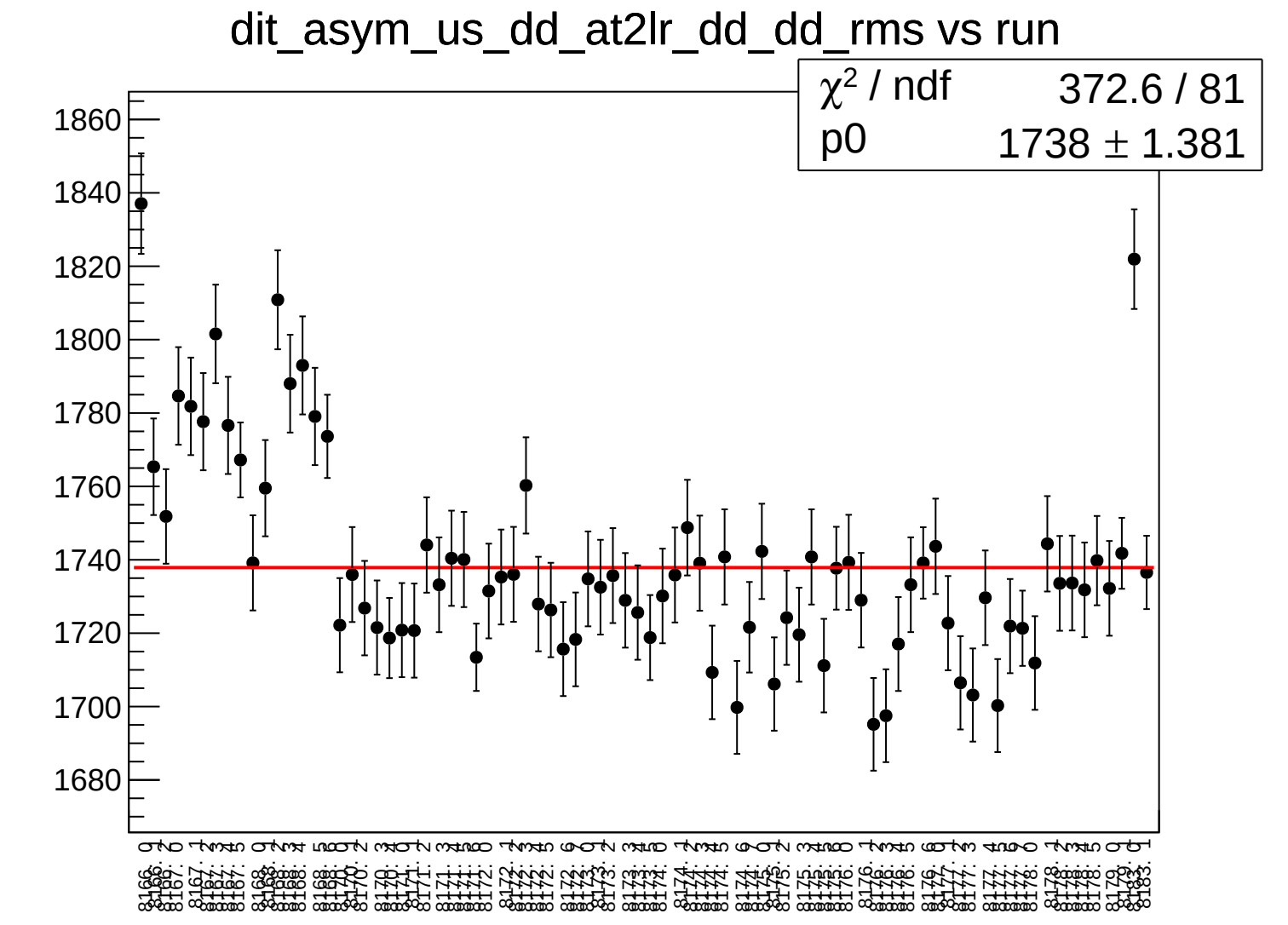

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 377.3 / 81
p0 1737 ± 1.38
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

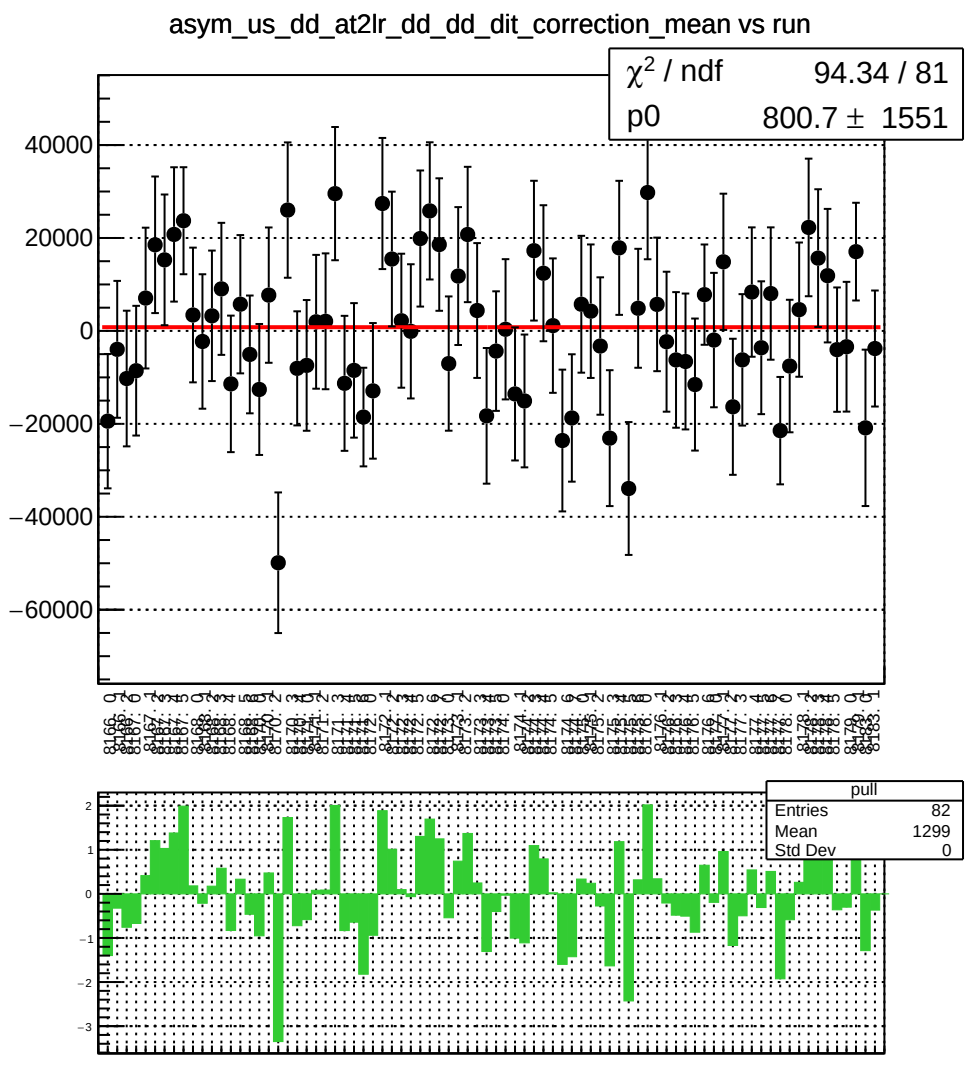

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 94.04 / 81
p0 693.9 ± 1513
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −510.6
Std Dev 0
pull1D
Entries 82
Mean 0.001869
Std Dev 1.071

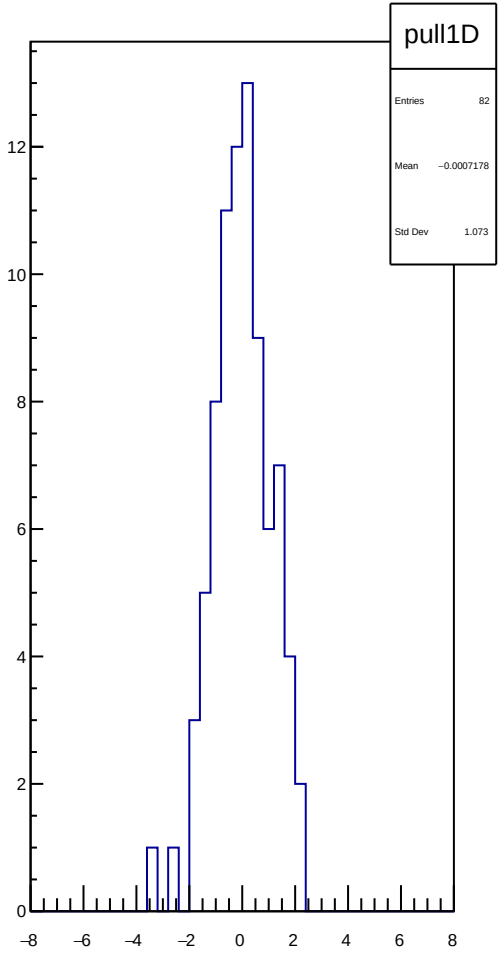

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1873 / 81
p0 1346 ± 1.07
1550
1500
1450
1400
1350
1300
1250

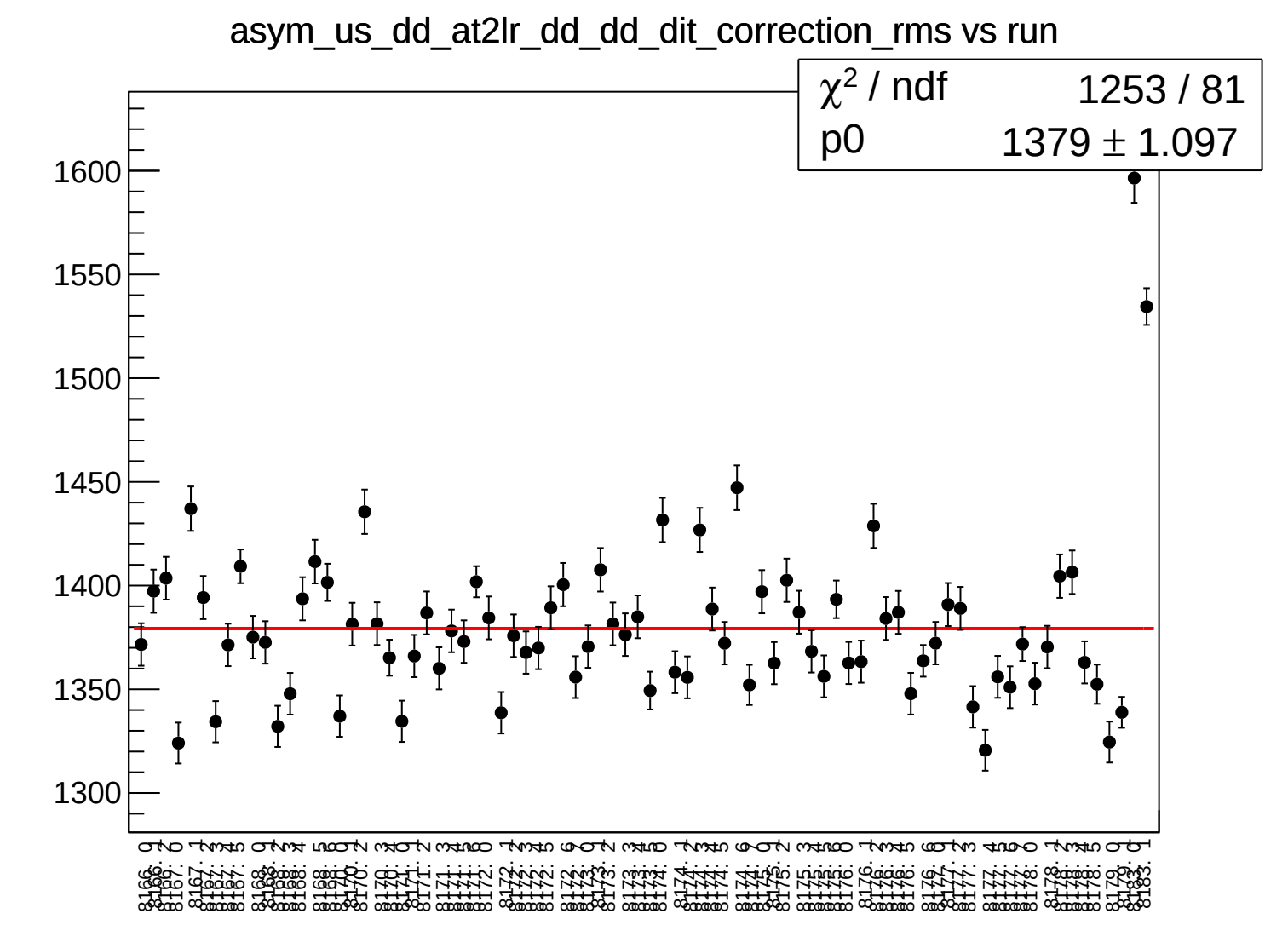

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 59.65 / 81
p0 −1461 ± 1954
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −2180
Std Dev 0
2
1
0
−1
−2

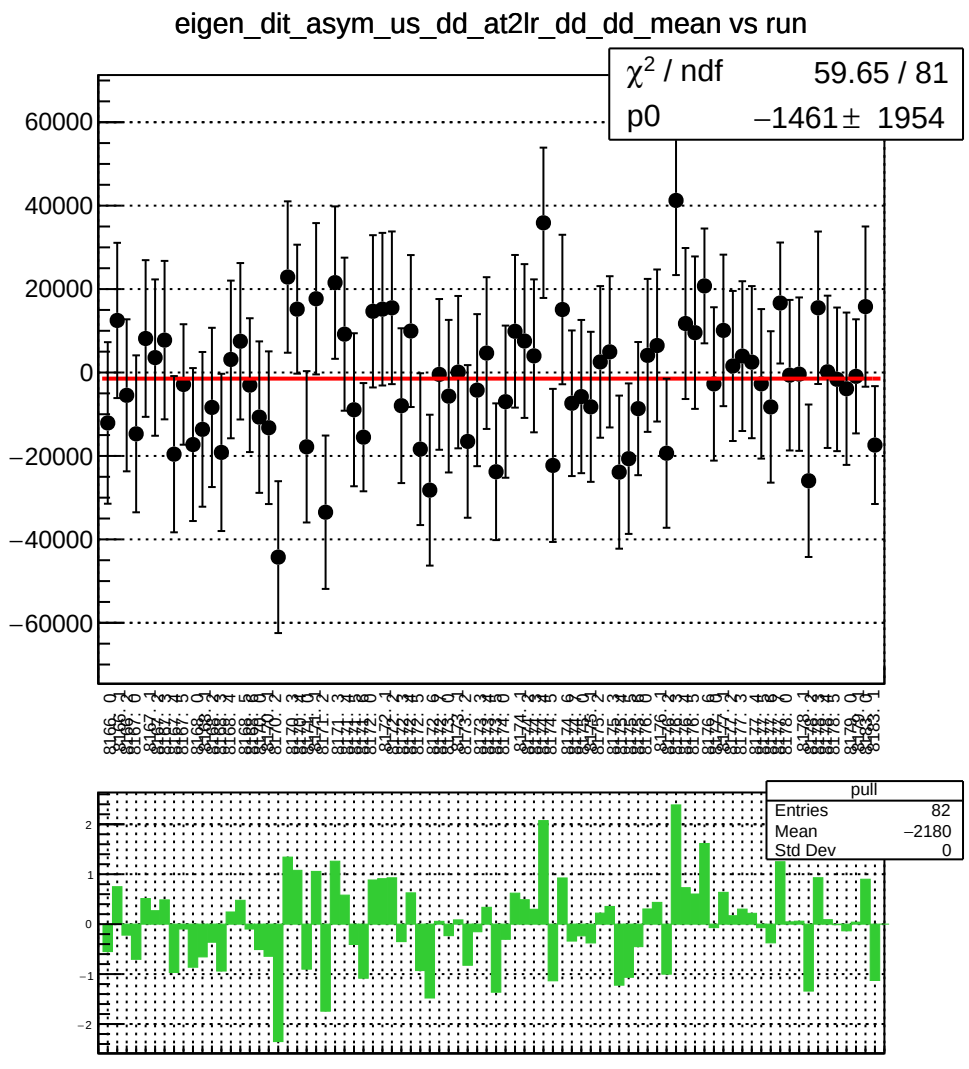

pull1D
Entries 82
Mean −0.001295
Std Dev 0.8529
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

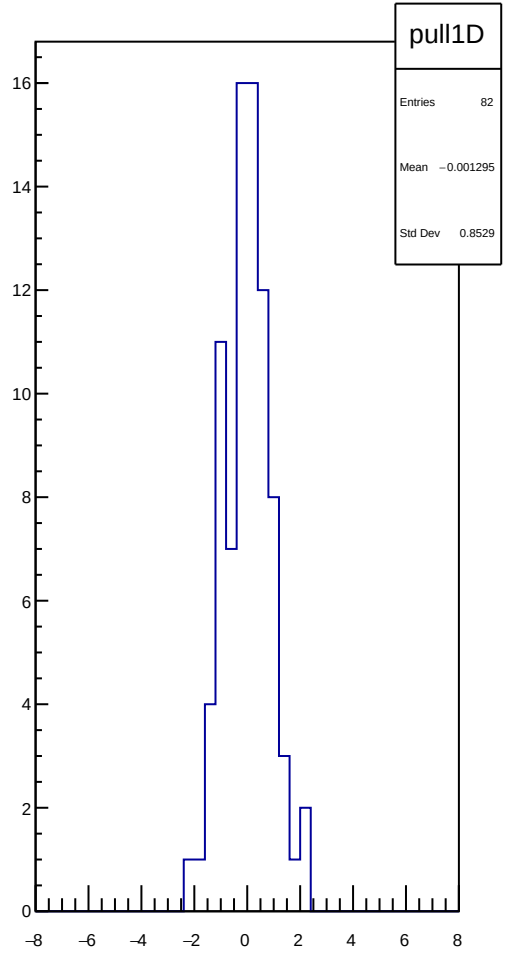

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ^2 / ndf 372.6 / 81
p0 1738 ± 1.381
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

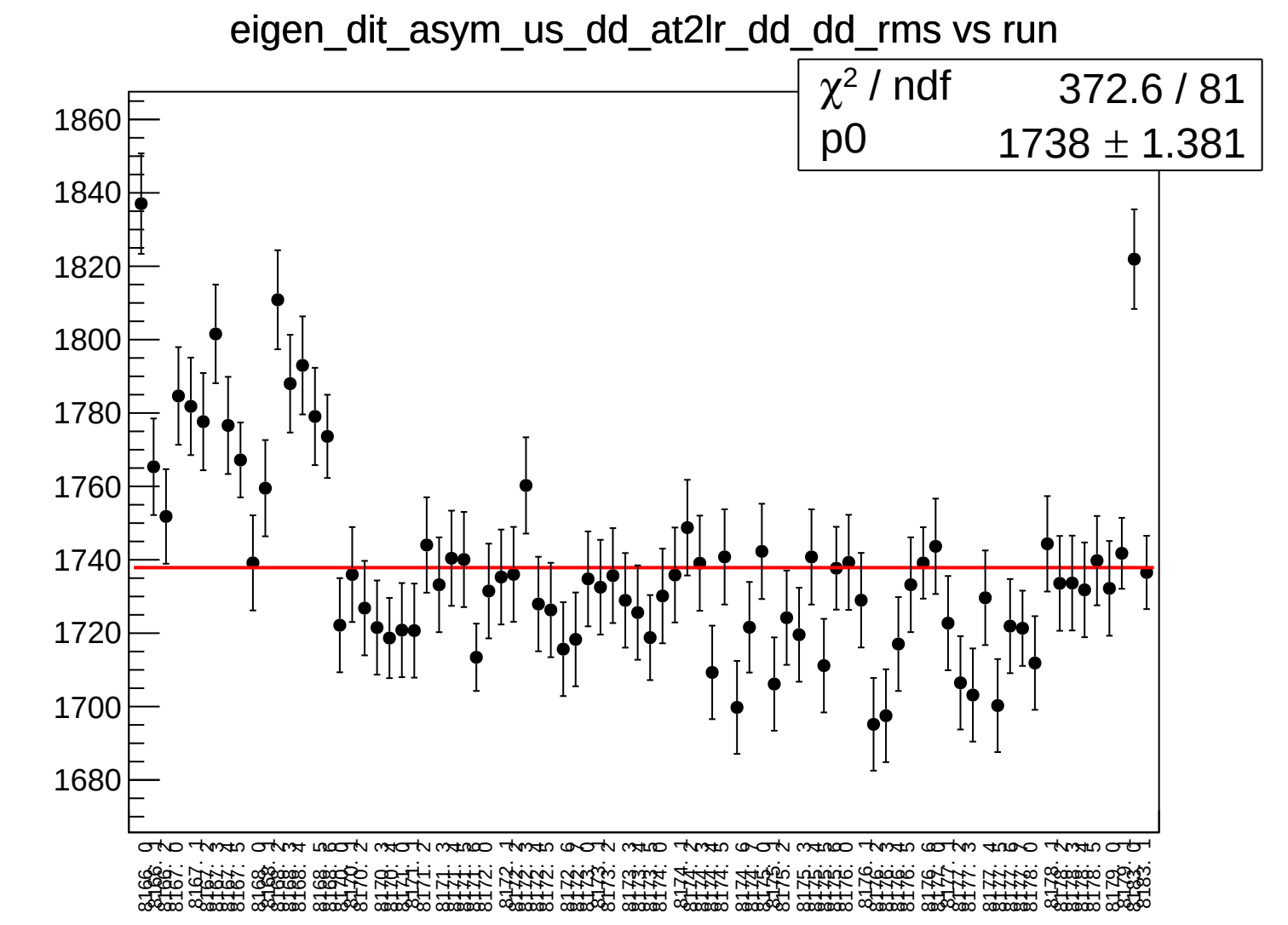

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 94.34 / 81
p0 800.7 ± 1551
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1299
Std Dev 0
2
1
0
−1
−2
−3

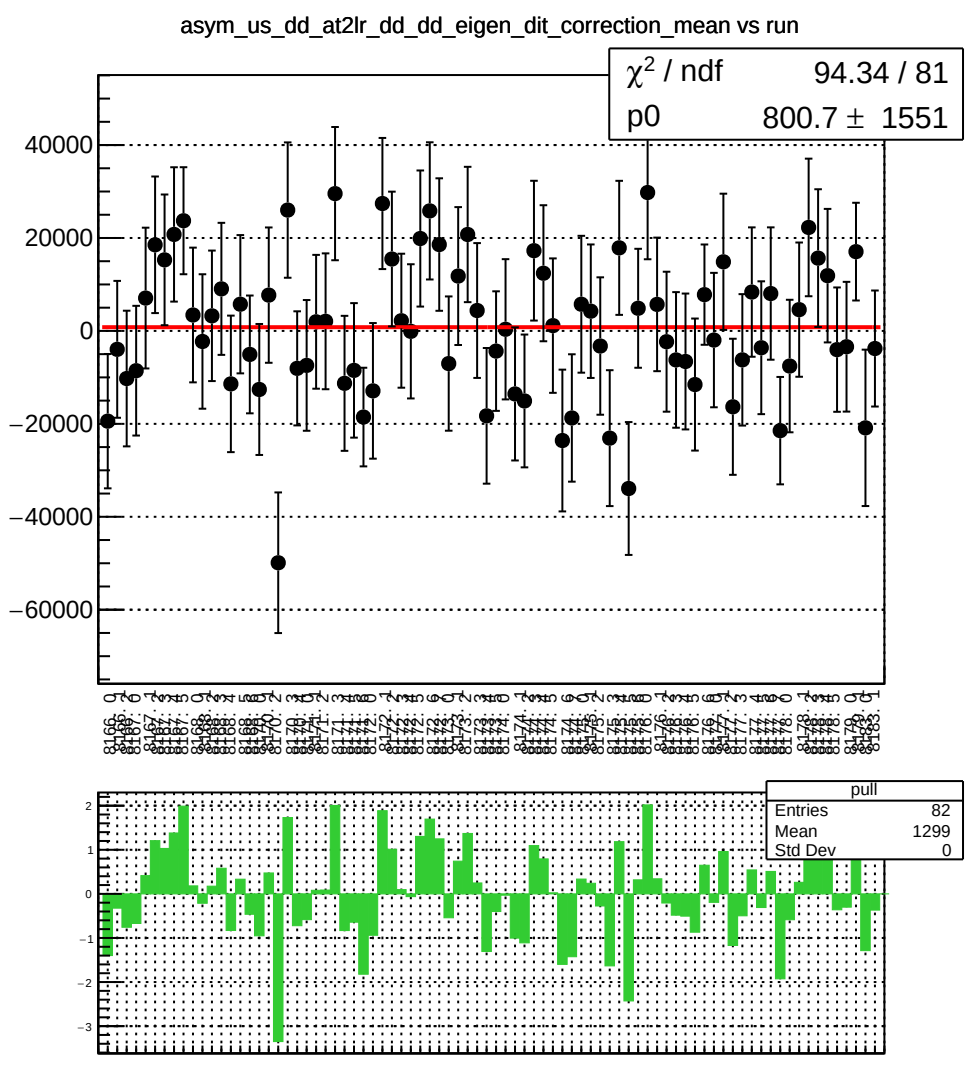

pull1D
Entries 82
Mean −0.0007178
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

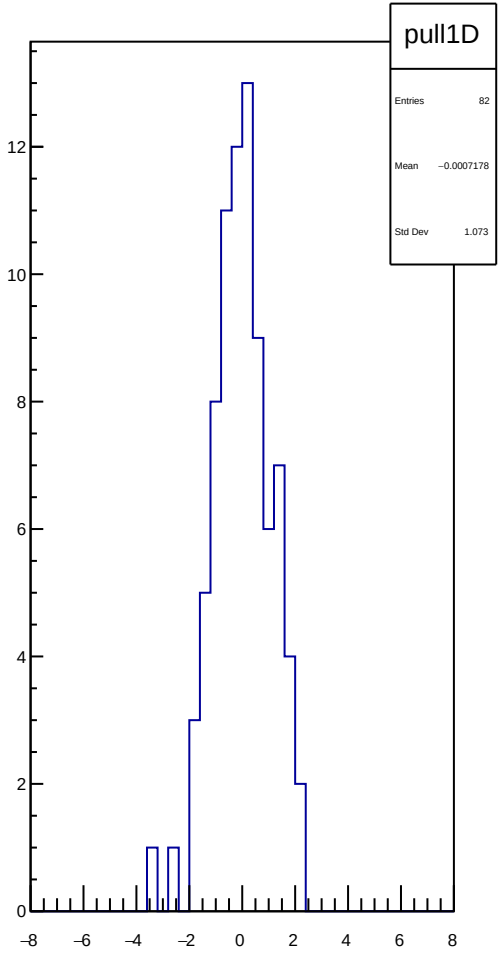

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1253 / 81
p0 1379 ± 1.097
1600
1550
1500
1450
1400
1350
1300

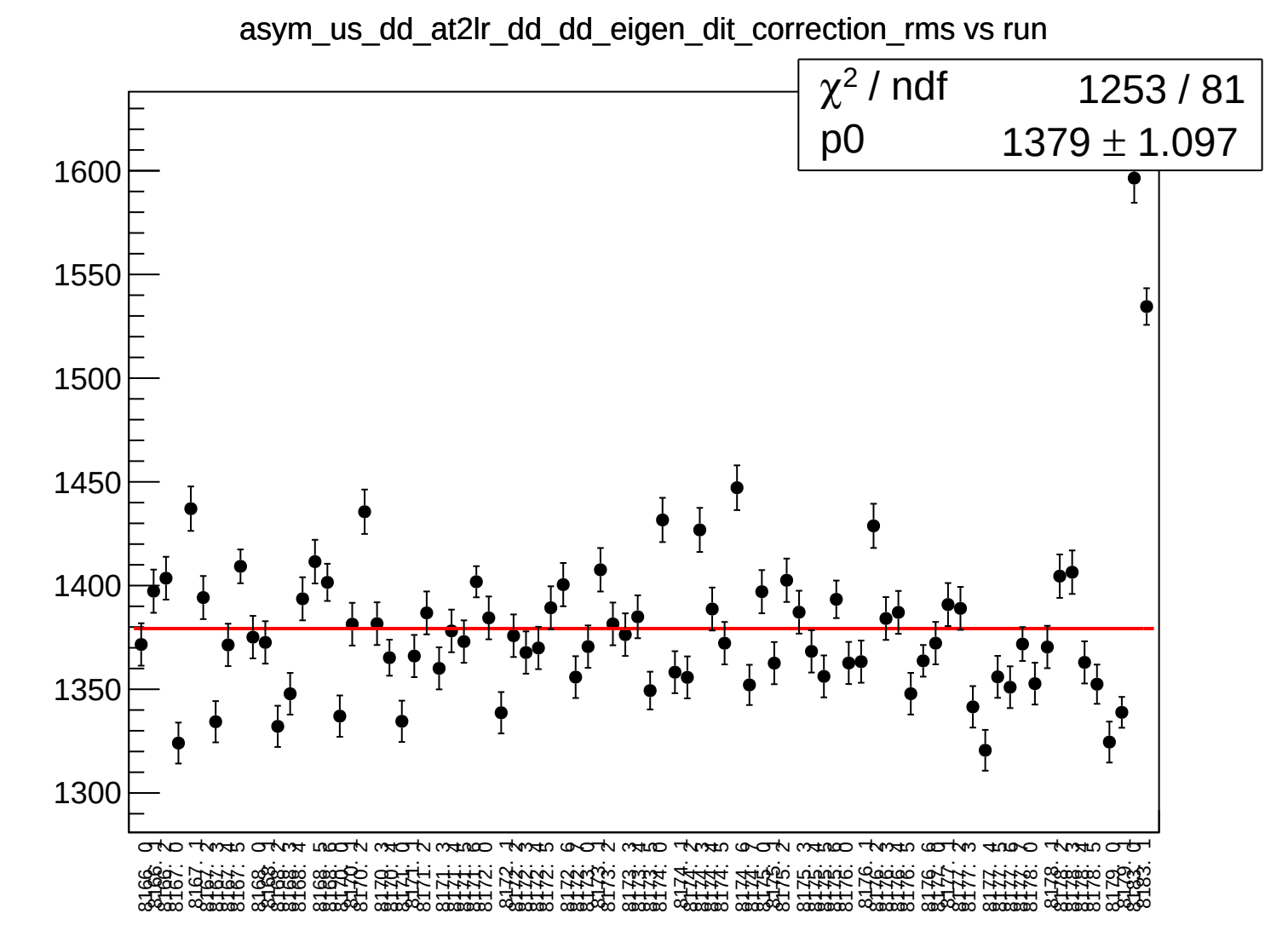

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 59.65 / 81
p0 −1461 ± 1954
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −2180
Std Dev 0
2
1
0
−1
−2

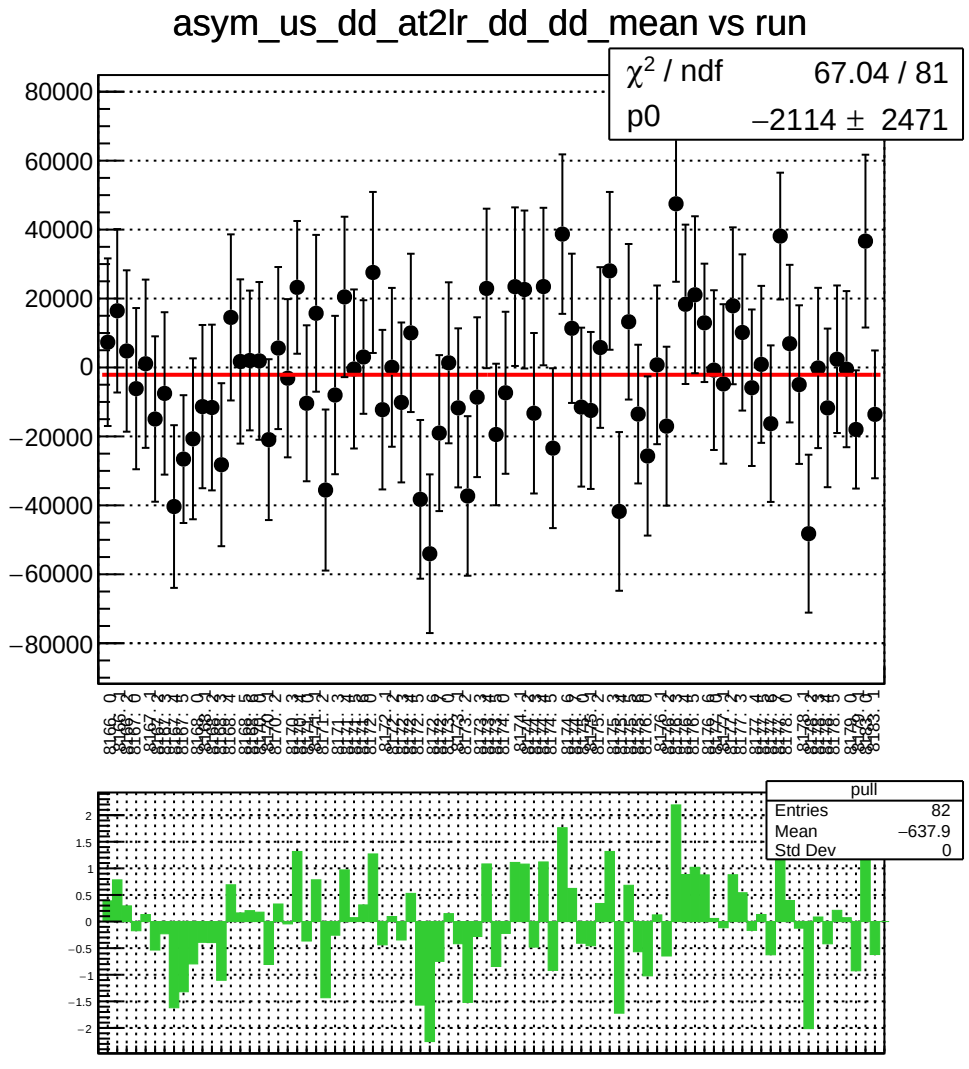

pull1D
Entries 82
Mean −0.001295
Std Dev 0.8529
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

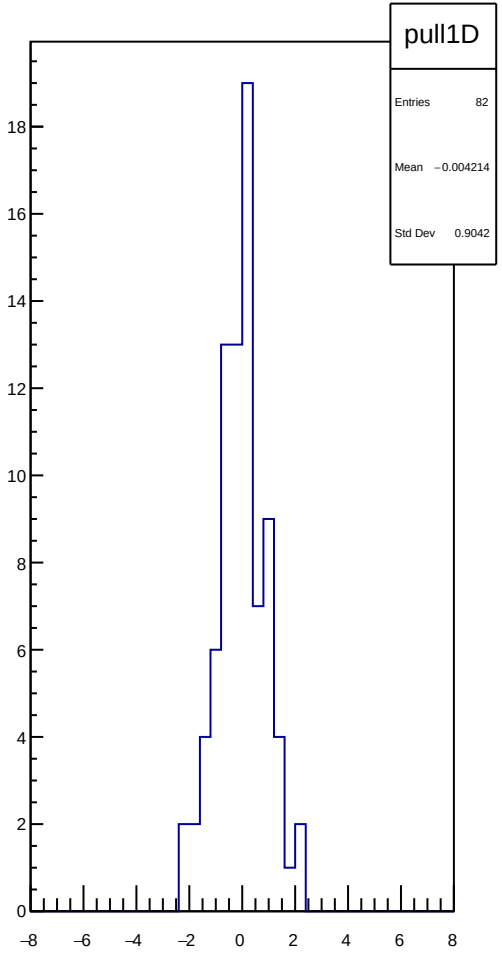

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 372.6 / 81
p0 1738 ± 1.381
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

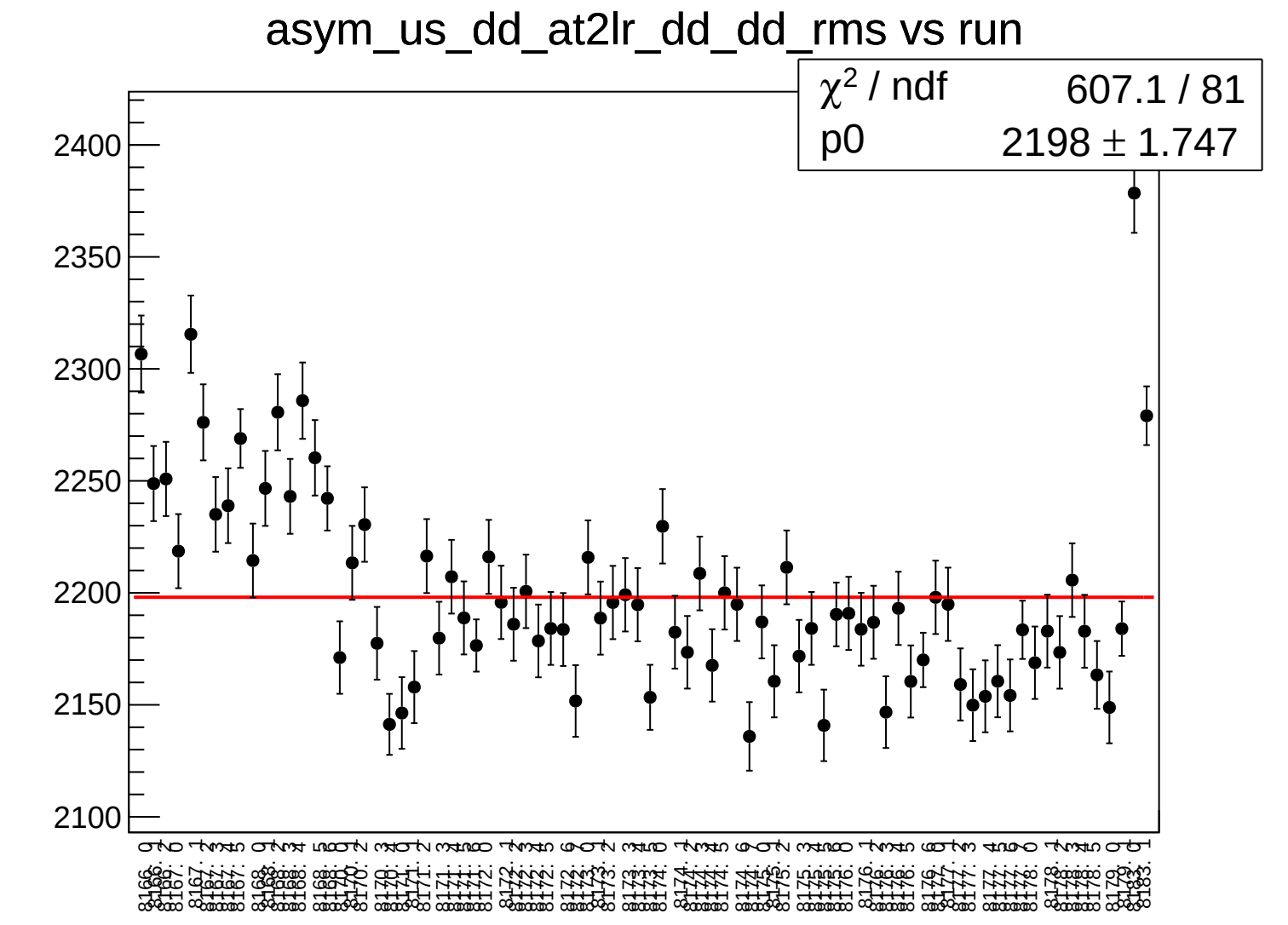

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 94.34 / 81
p0 800.7 ± 1551
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1299
Std Dev 0
2
1
0
−1
−2
−3

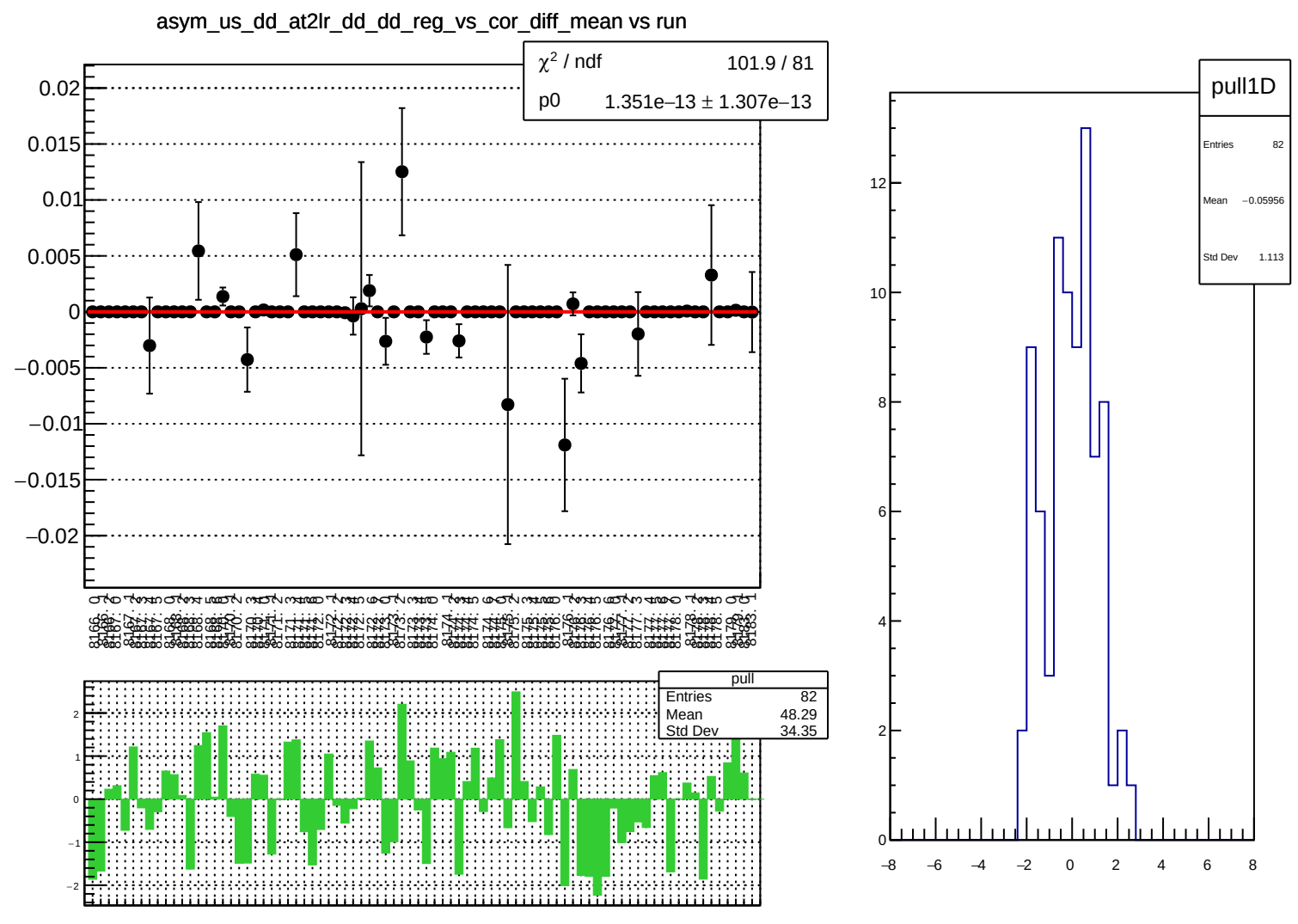

pull1D
Entries 82
Mean −0.0007178
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

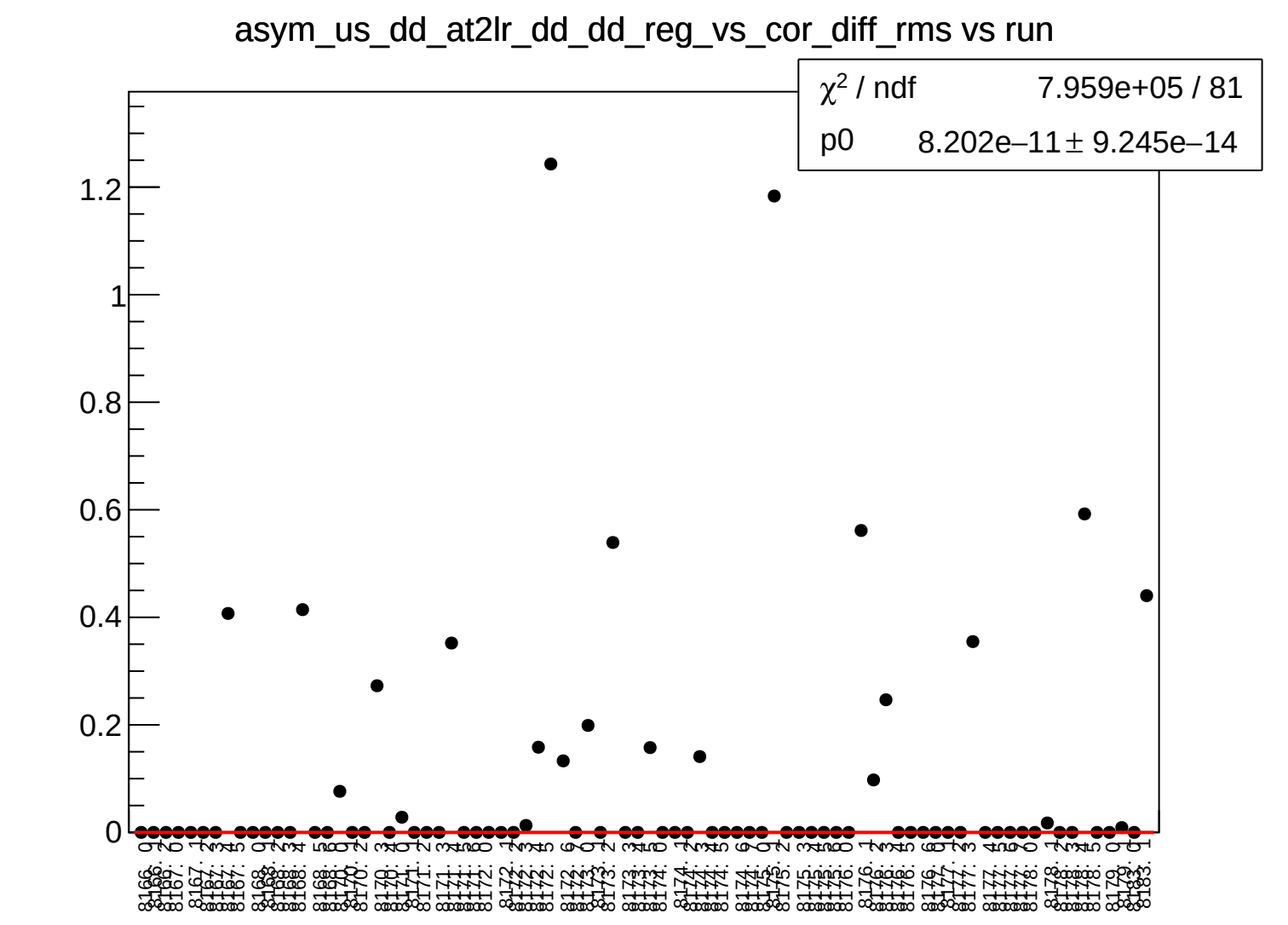

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1253 / 81
p0 1379 ± 1.097
1600
1550
1500
1450
1400
1350
1300

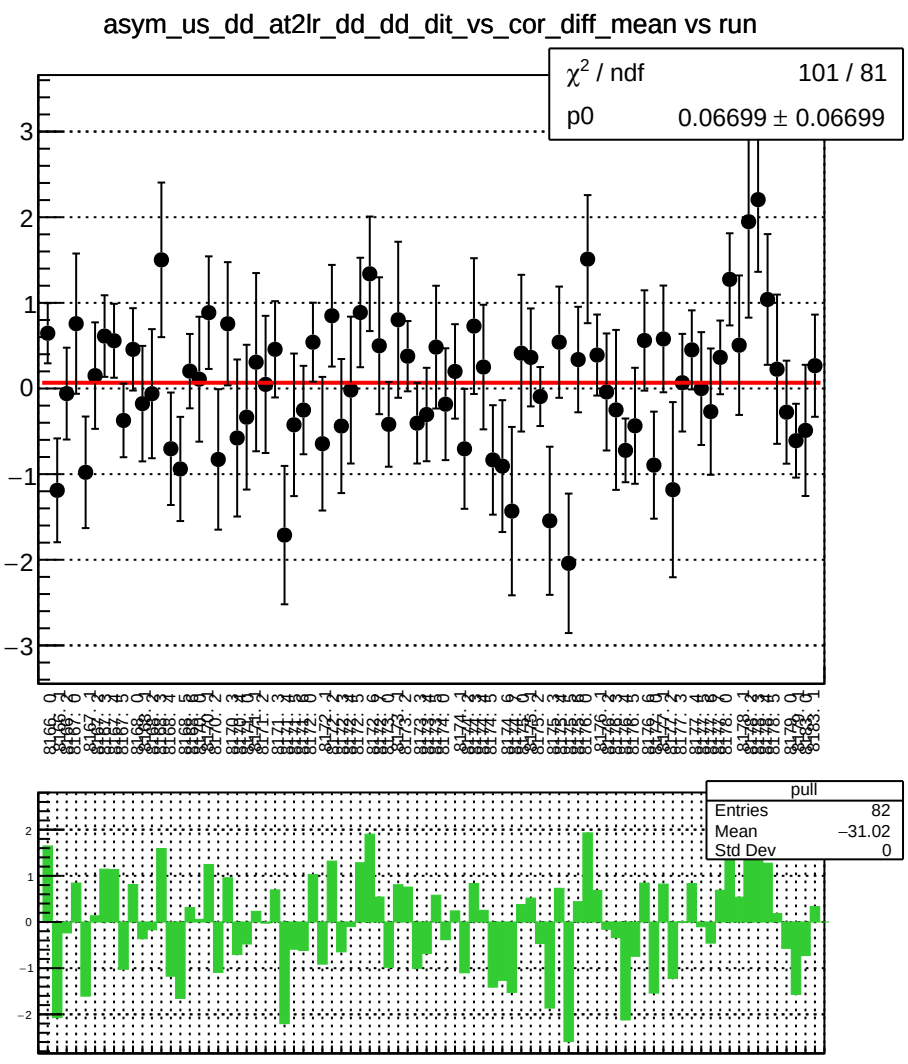

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 67.04 / 81
p0 −2114 ± 2471
pull
Entries 82
Mean −637.9
Std Dev 0

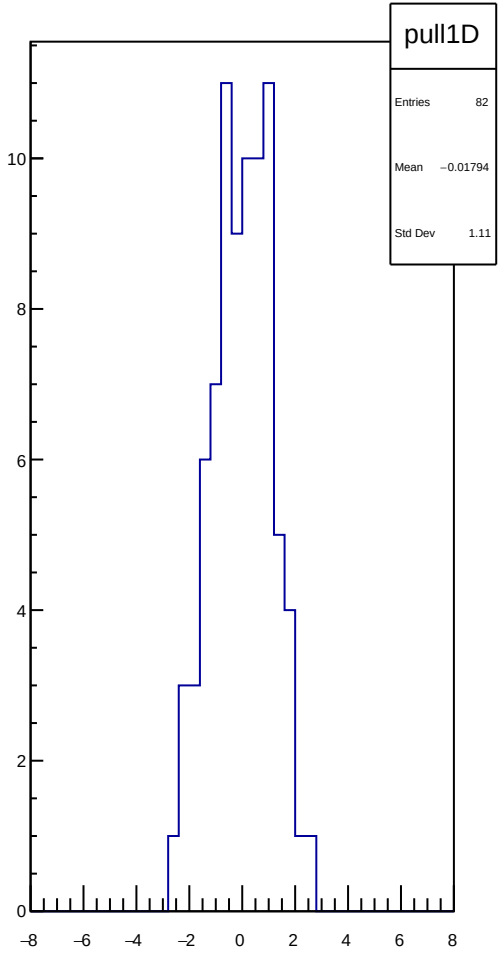

pull1D
Entries 82
Mean −0.004214
Std Dev 0.9042

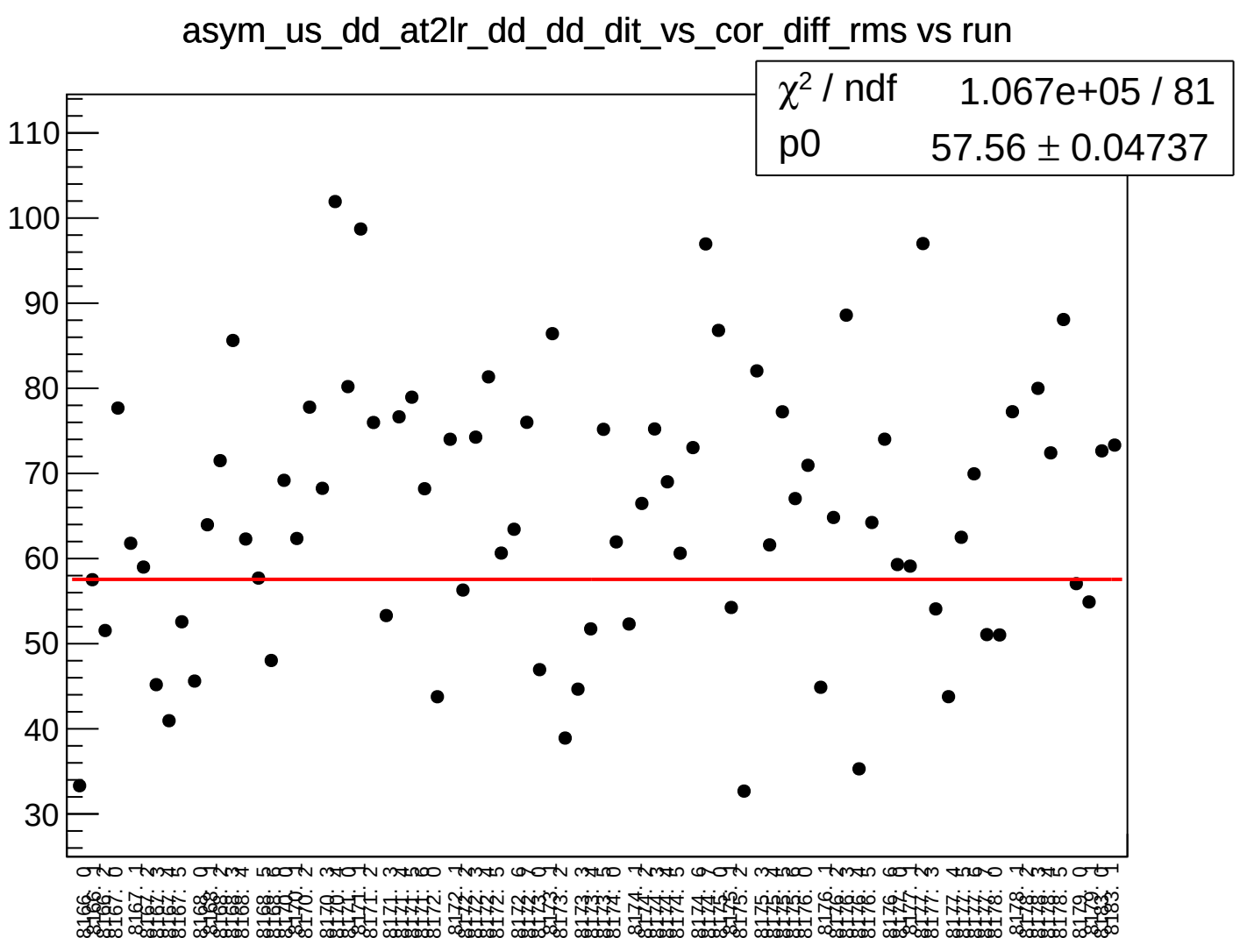

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 607.1 / 81
p0 2198 ± 1.747
2400
2350
2300
2250
2200
2150
2100

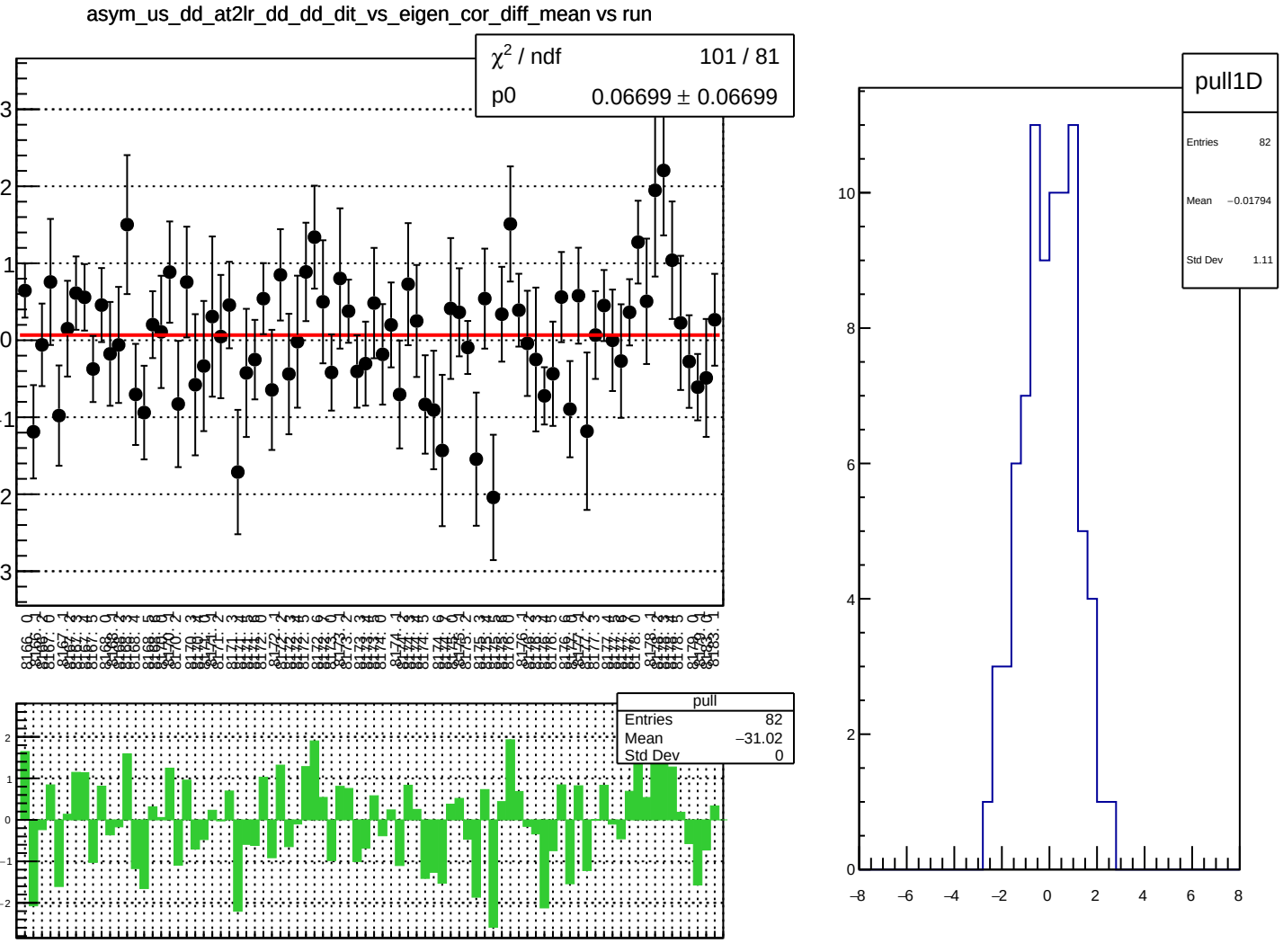

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 101.9 / 81
p0 1.351e−13 ± 1.307e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 82
Mean 48.29
Std Dev 34.35
pull1D
Entries 82
Mean −0.05956
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

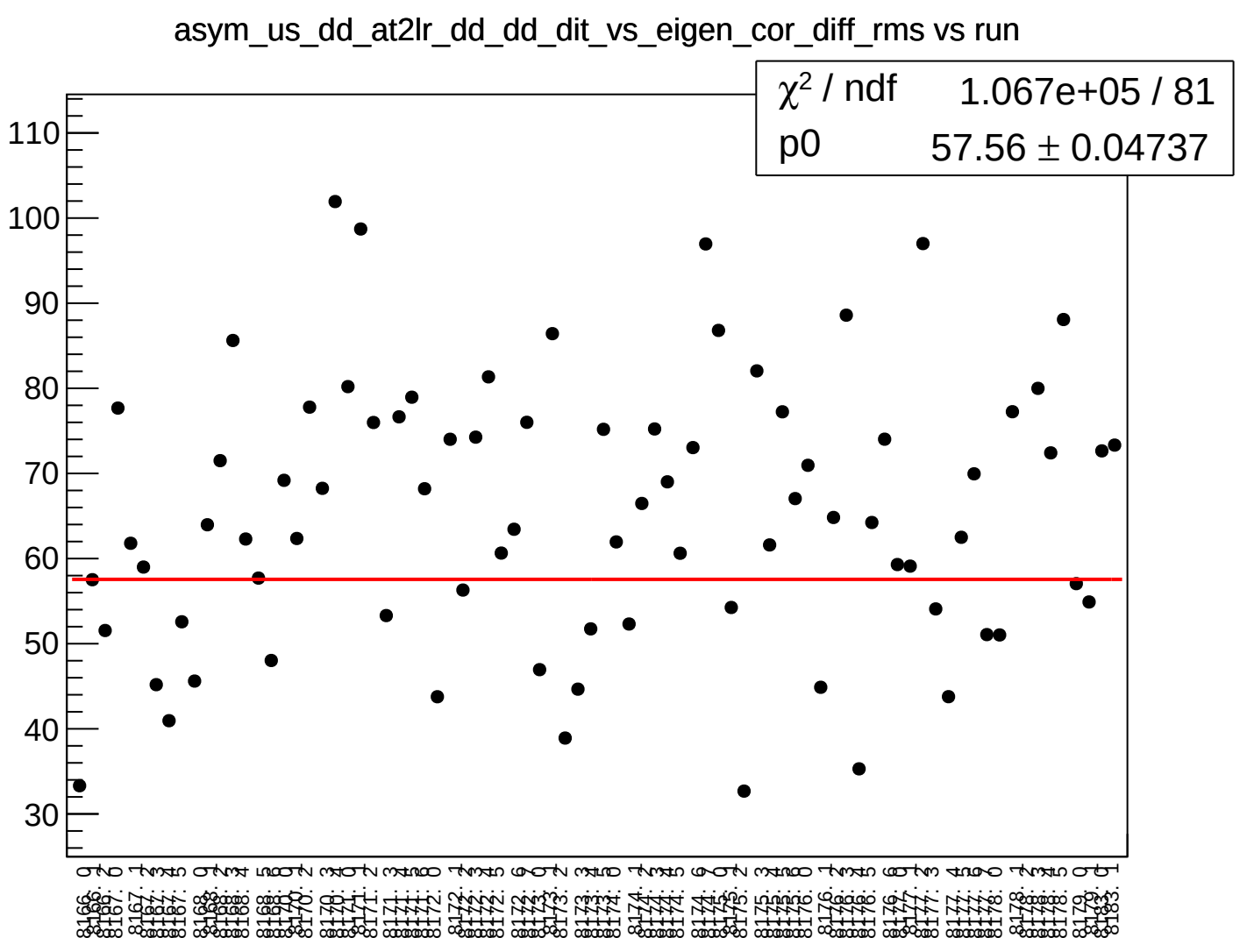

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.959e+05 / 81
p0 8.202e−11 ± 9.245e−14
1.2
1
0.8
0.6
0.4
0.2
0

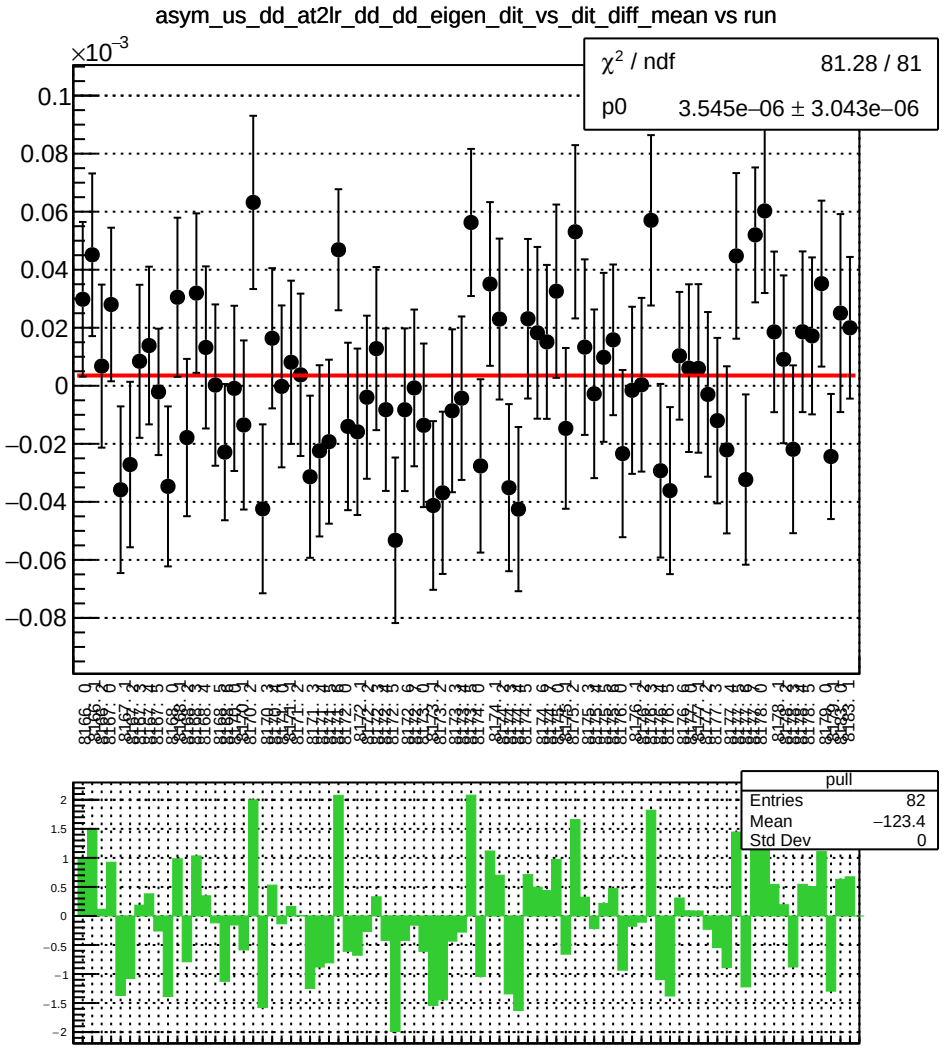

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 101 / 81
p0 0.06699 ± 0.06699
pull
Entries 82
Mean −31.02
Std Dev 0

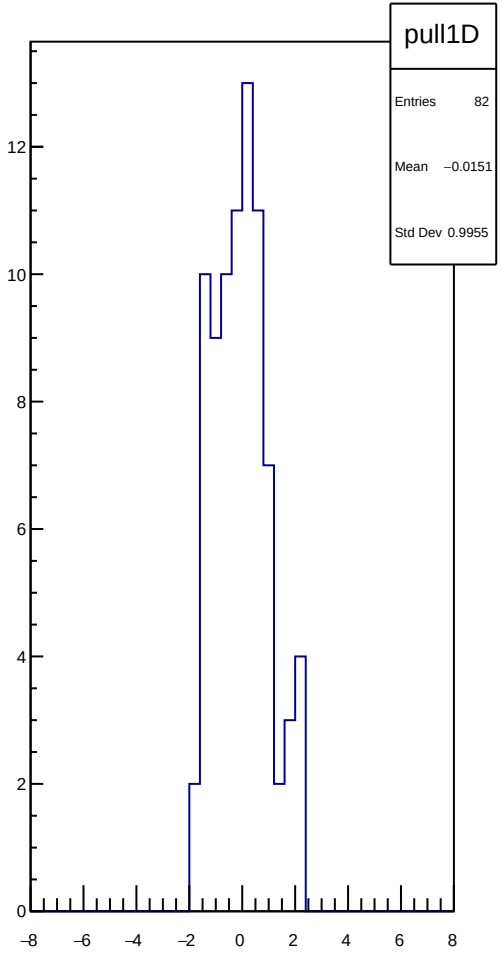

pull1D
Entries 82
Mean −0.01794
Std Dev 1.11

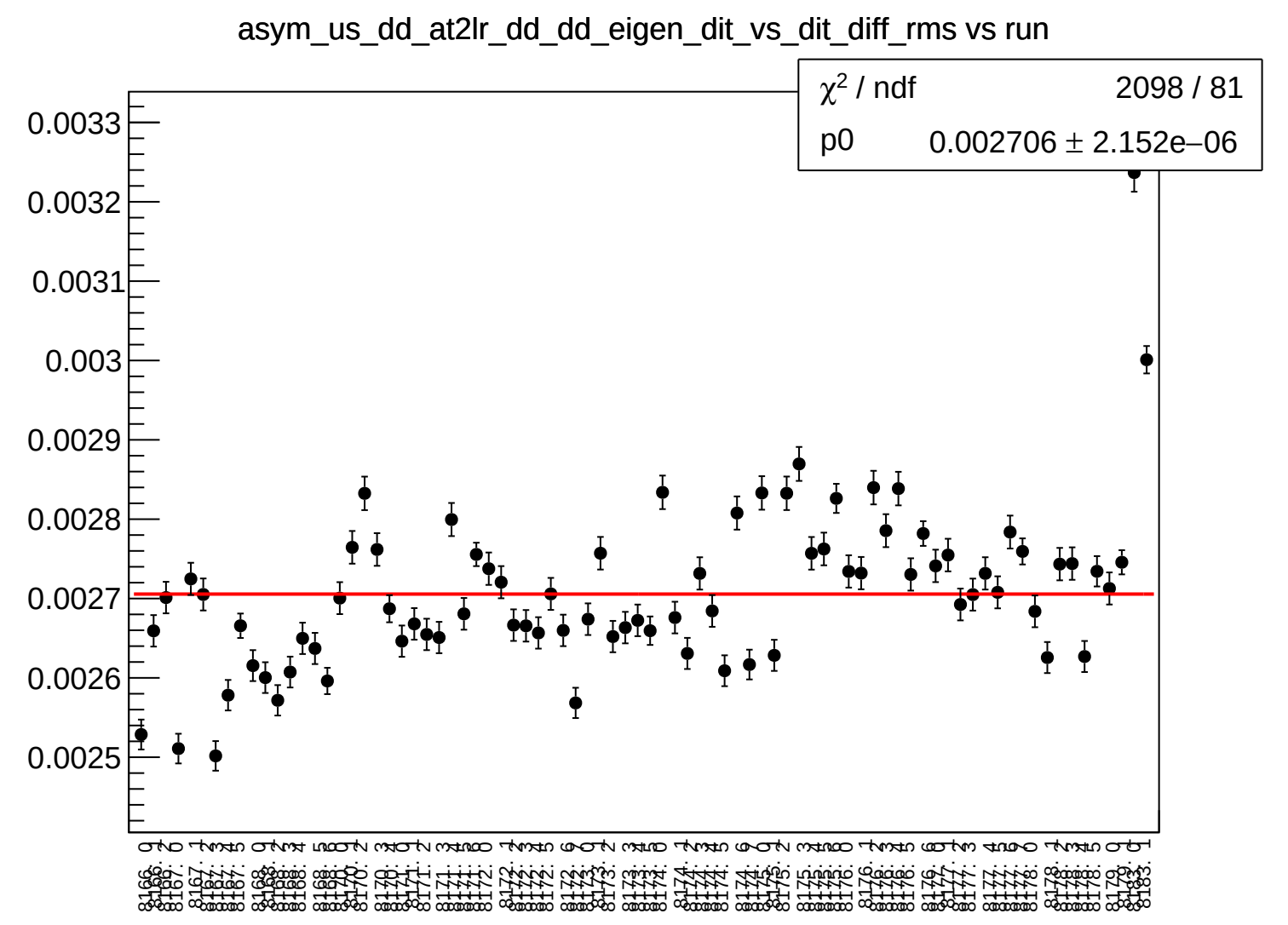

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 81
p0 57.56 ± 0.04737
110
100
90
80
70
60
50
40
30

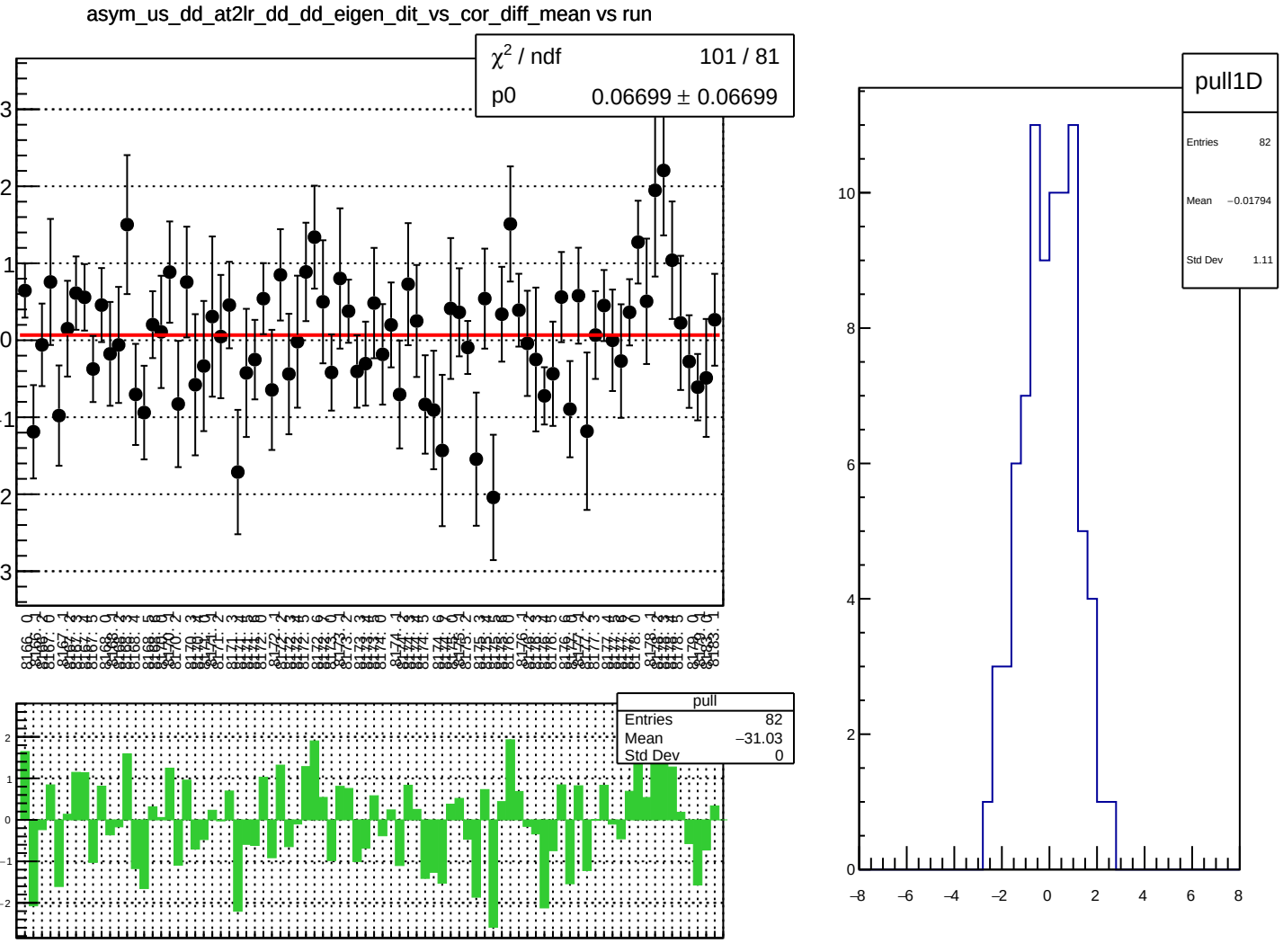

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101 / 81
p0 0.06699 ± 0.06699
pull
Entries 82
Mean −31.02
Std Dev 0
pull1D
Entries 82
Mean −0.01794
Std Dev 1.11

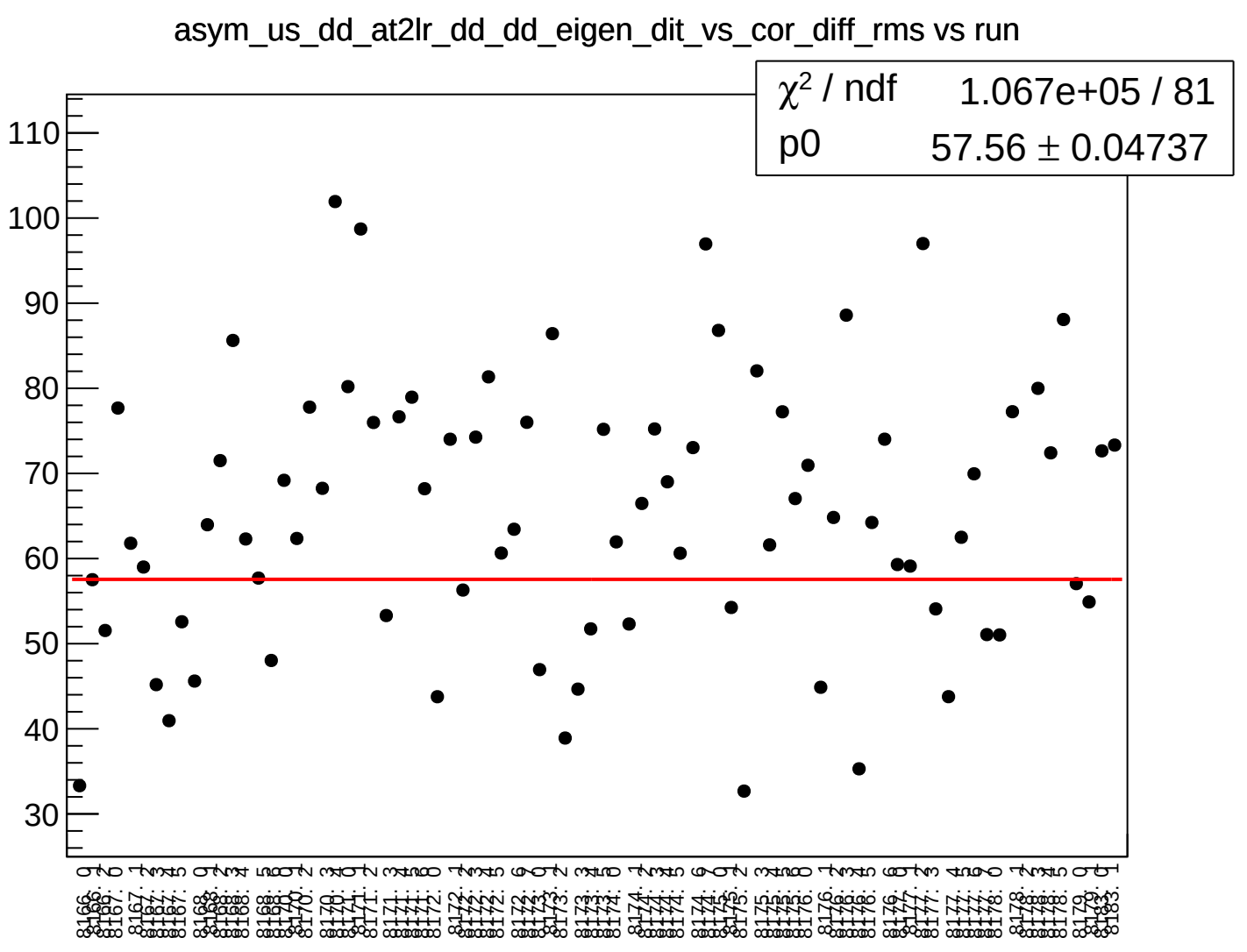

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 81
p0 57.56 ± 0.04737
110
100
90
80
70
60
50
40
30

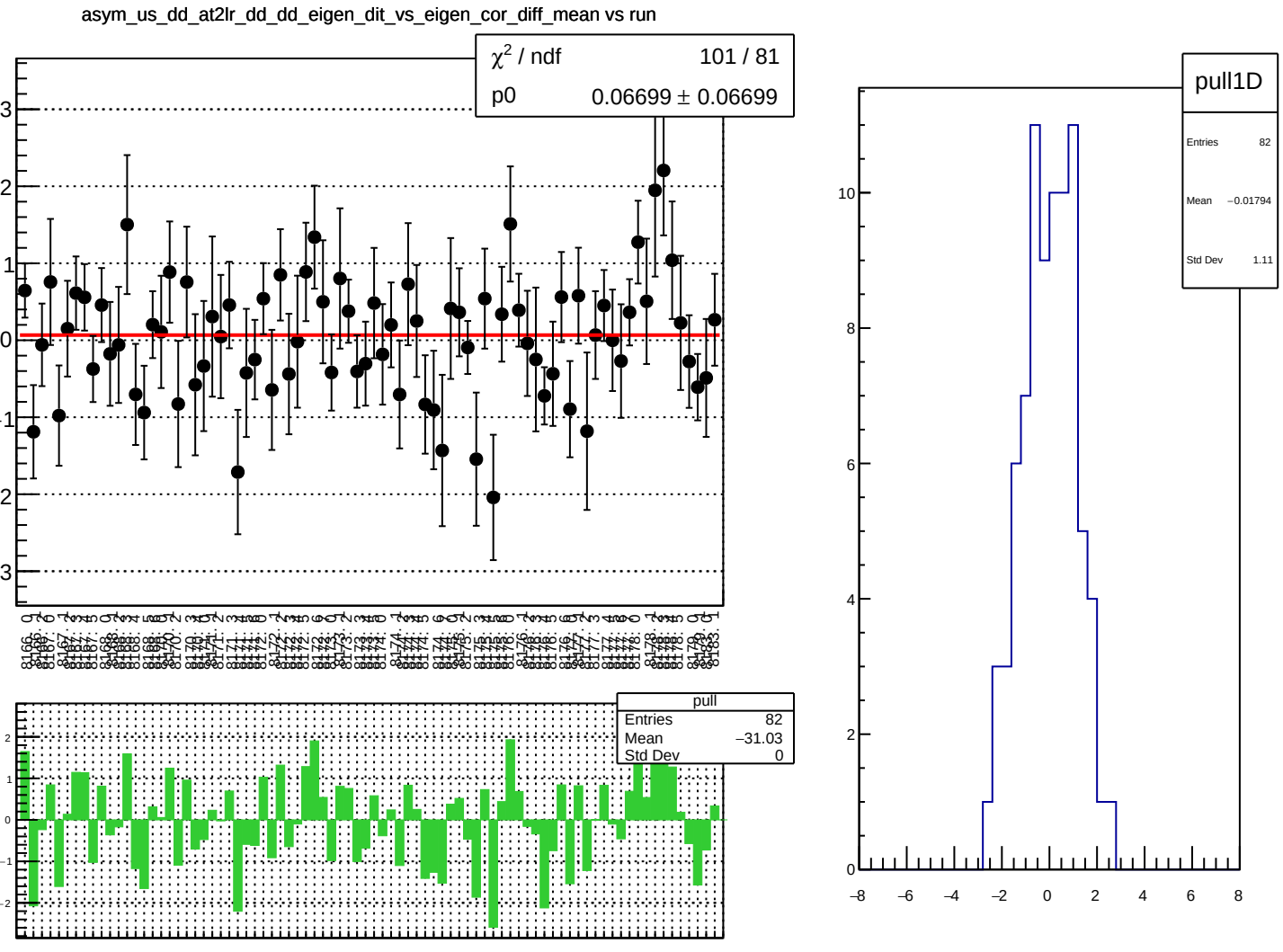

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.28 / 81
p0 3.545e−06 ± 3.043e−06
pull
Entries 82
Mean −123.4
Std Dev 0

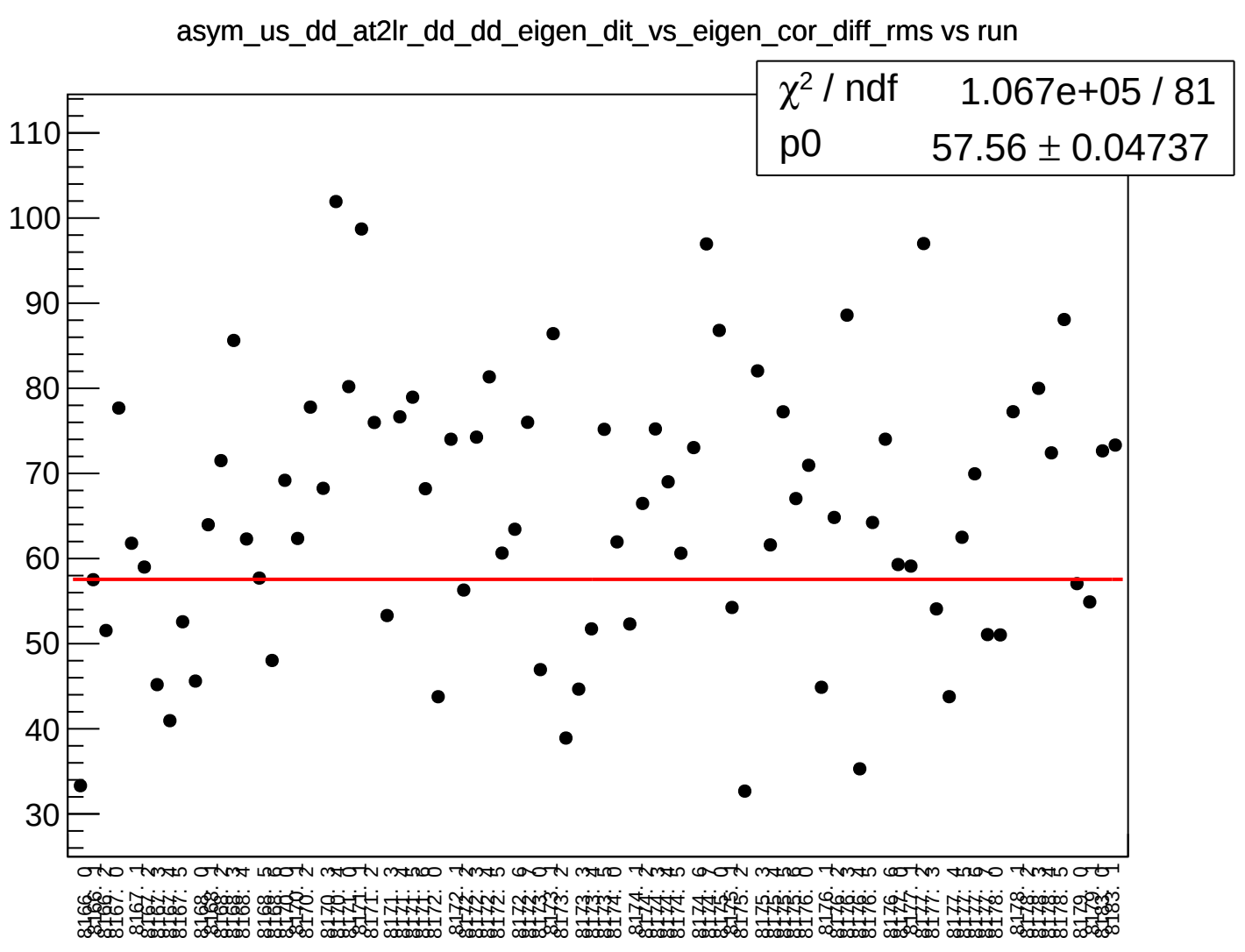

pull1D
Entries 82
Mean −0.0151
Std Dev 0.9955

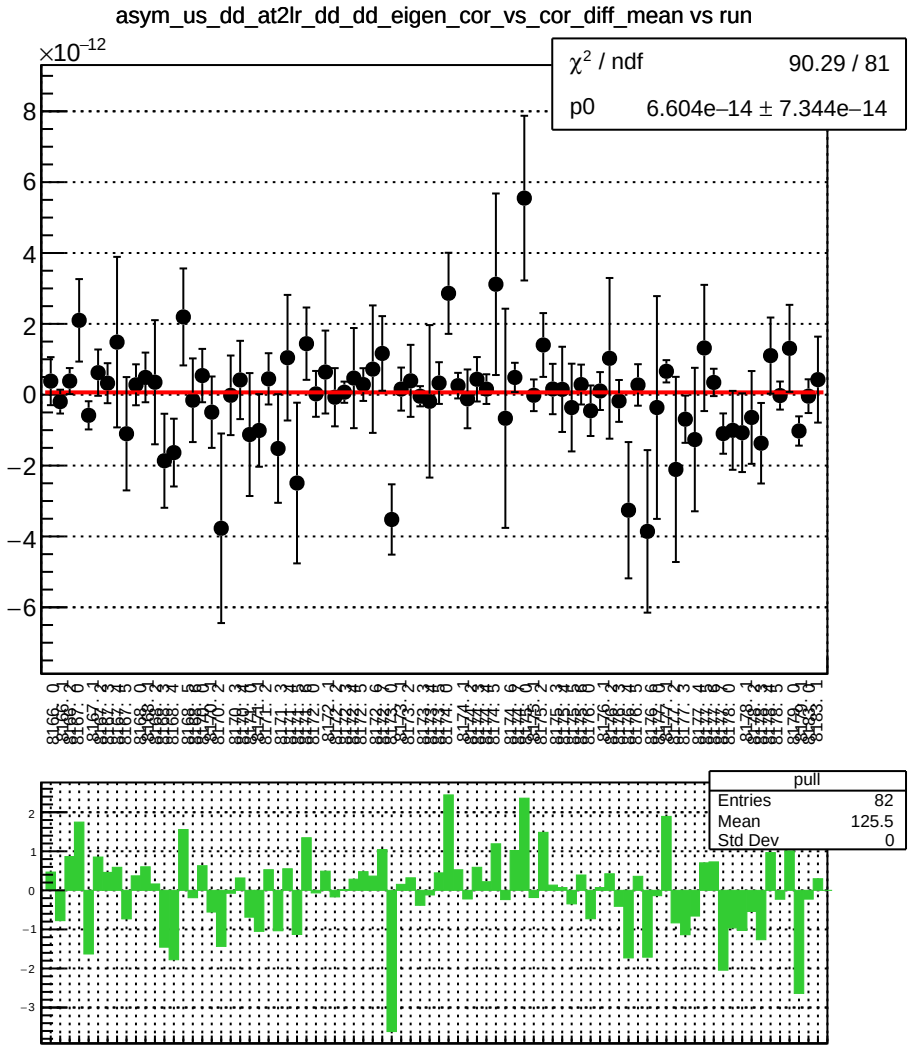

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2098 / 81
p0 0.002706 ± 2.152e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025

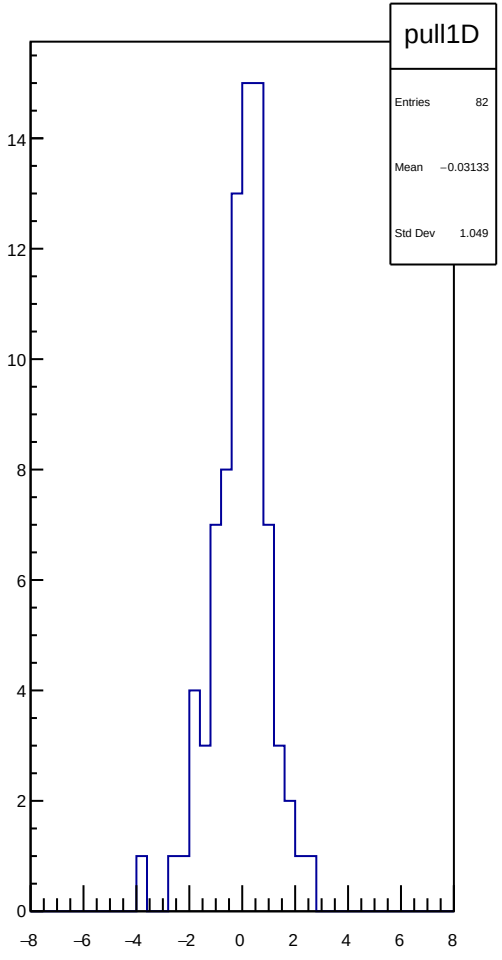

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 101 / 81
p0 0.06699 ± 0.06699
pull
Entries 82
Mean −31.03
Std Dev 0
pull1D
Entries 82
Mean −0.01794
Std Dev 1.11

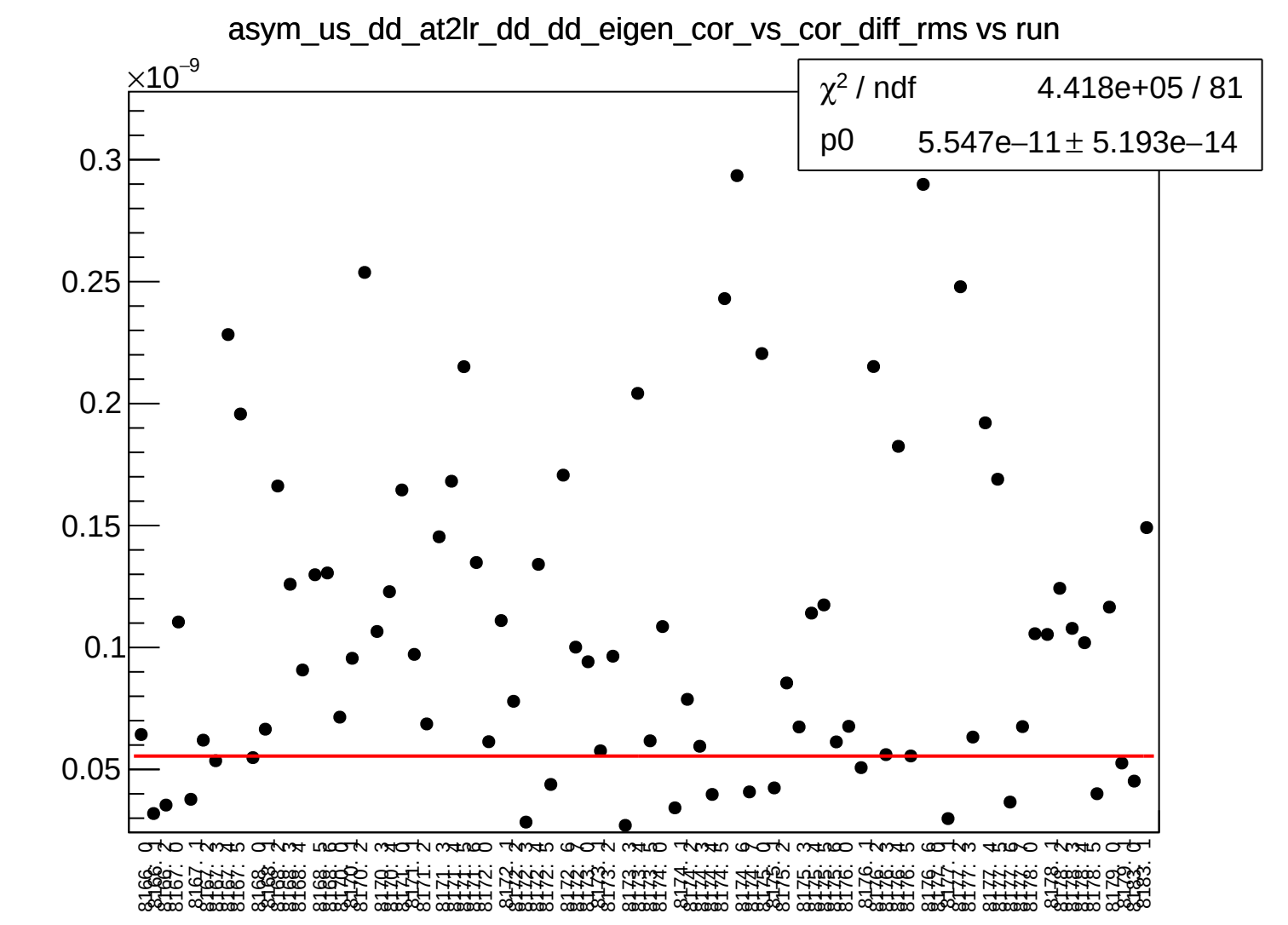

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 81
p0 57.56 ± 0.04737
110
100
90
80
70
60
50
40
30

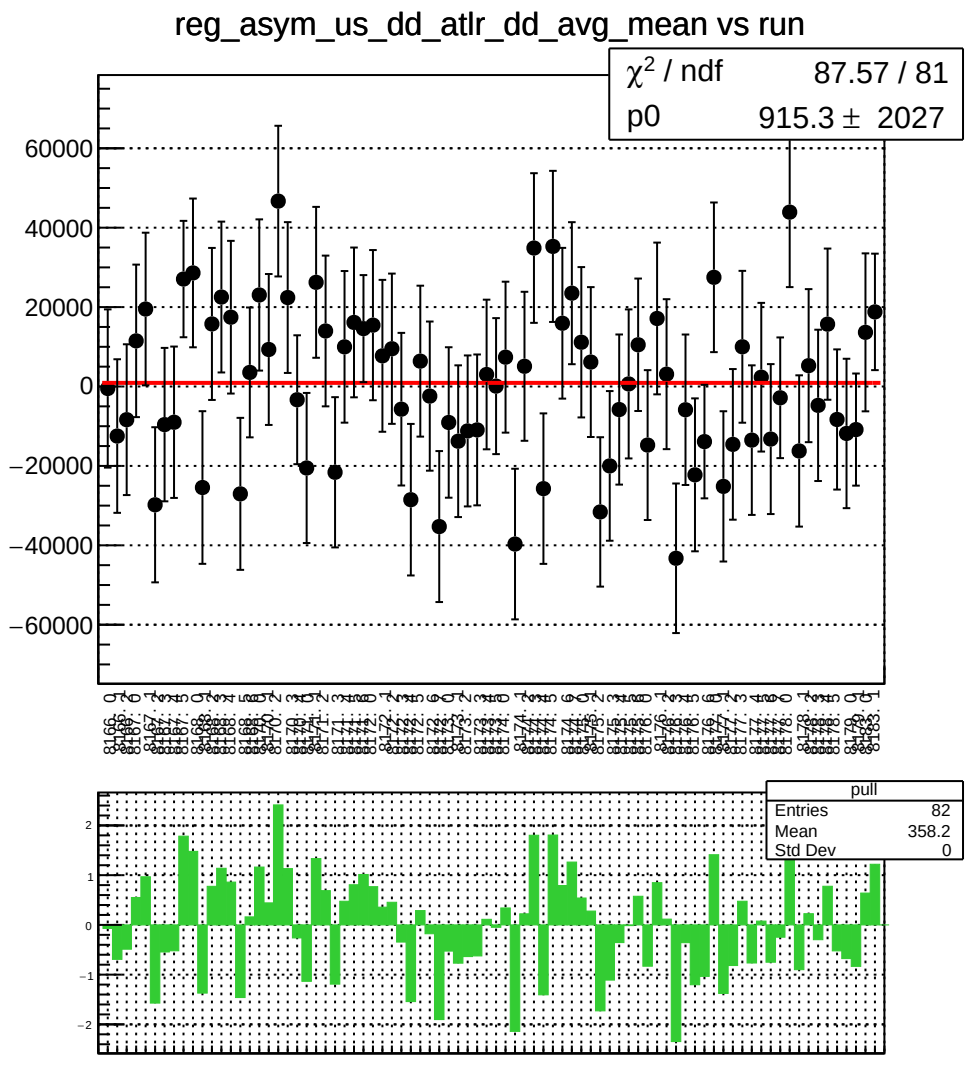

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101 / 81
p0 0.06699 ± 0.06699
pull
Entries 82
Mean −31.03
Std Dev 0
pull1D
Entries 82
Mean −0.01794
Std Dev 1.11

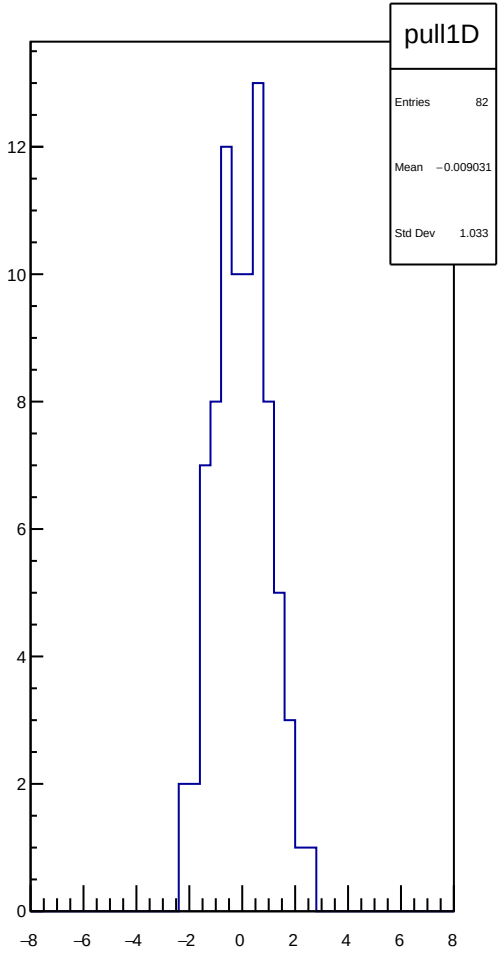

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.067e+05 / 81
p0 57.56 ± 0.04737
110
100
90
80
70
60
50
40
30

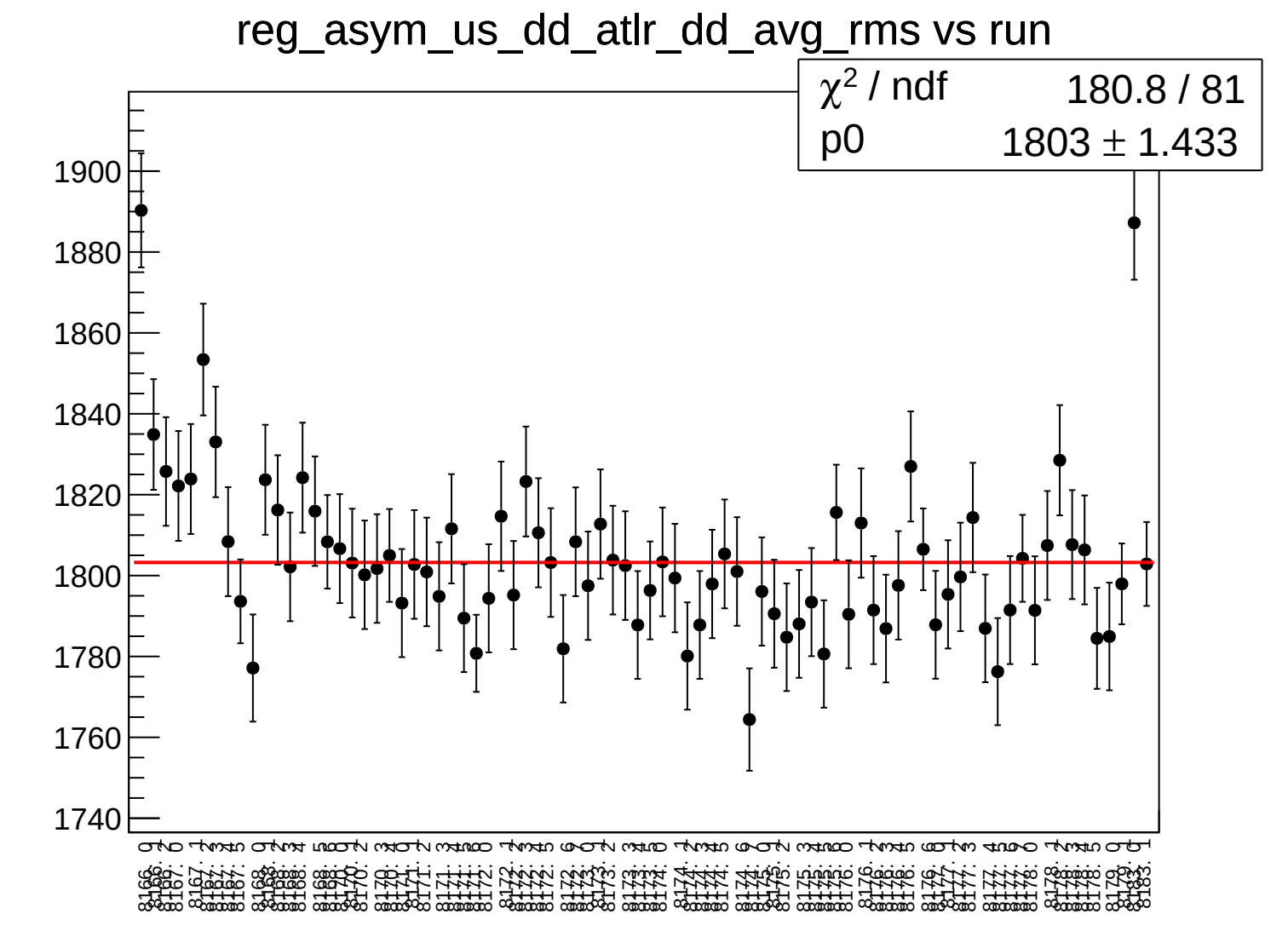

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.29 / 81
p0 6.604e−14 ± 7.344e−14
pull
Entries 82
Mean 125.5
Std Dev 0

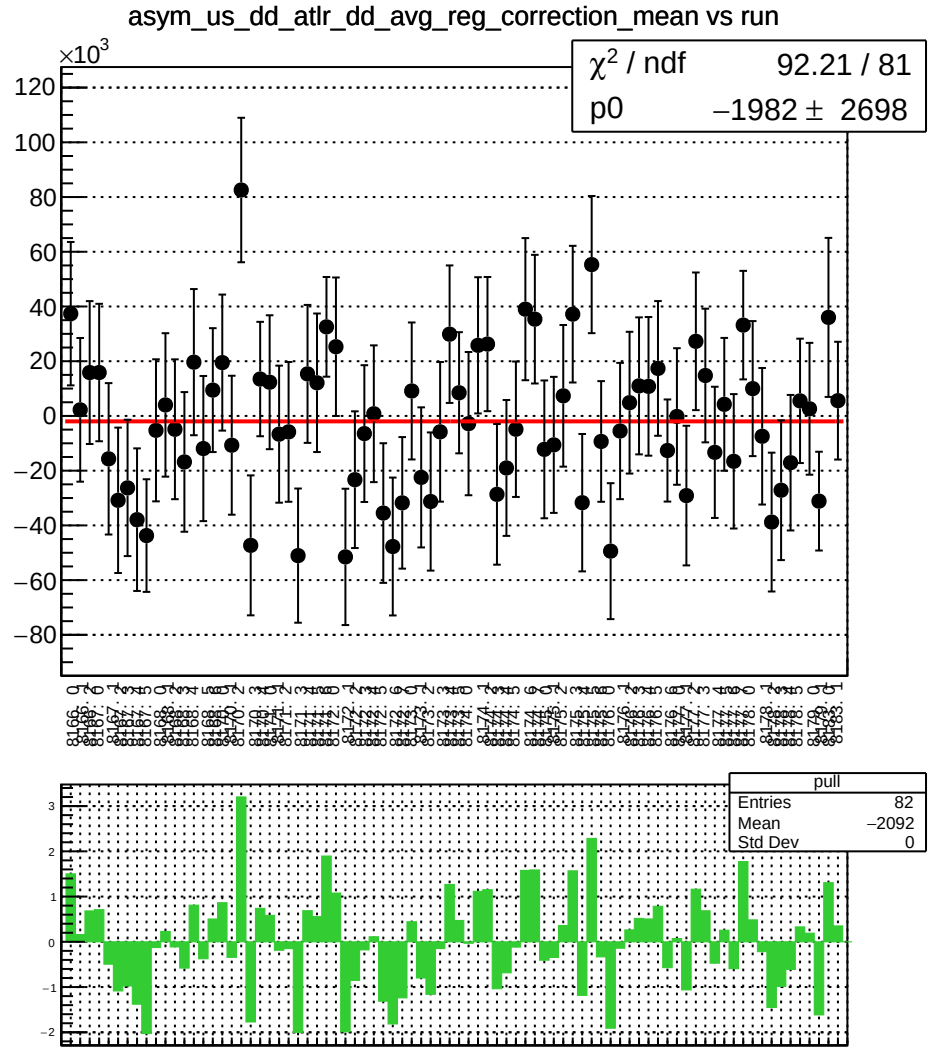

pull1D
Entries 82
Mean −0.03133
Std Dev 1.049

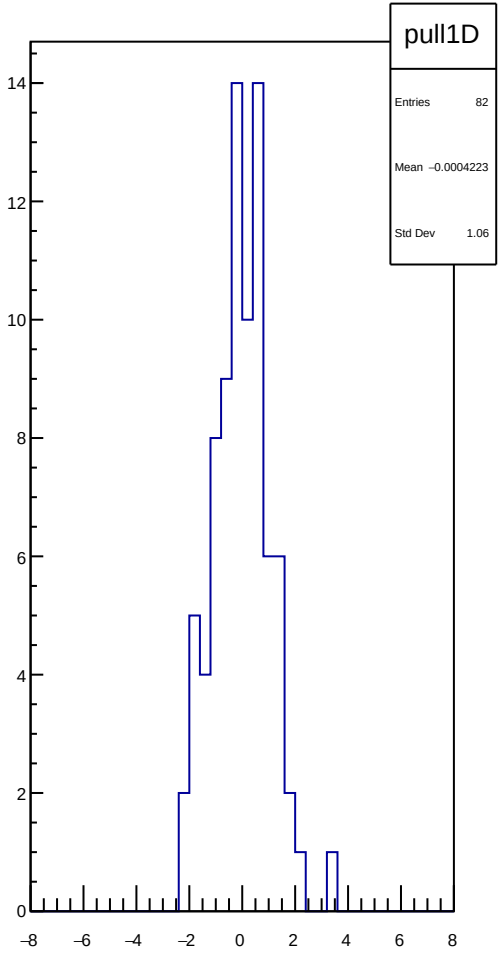

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.418e+05 / 81
p0 5.547e−11 ± 5.193e−14
0.3
0.25
0.2
0.15
0.1
0.05

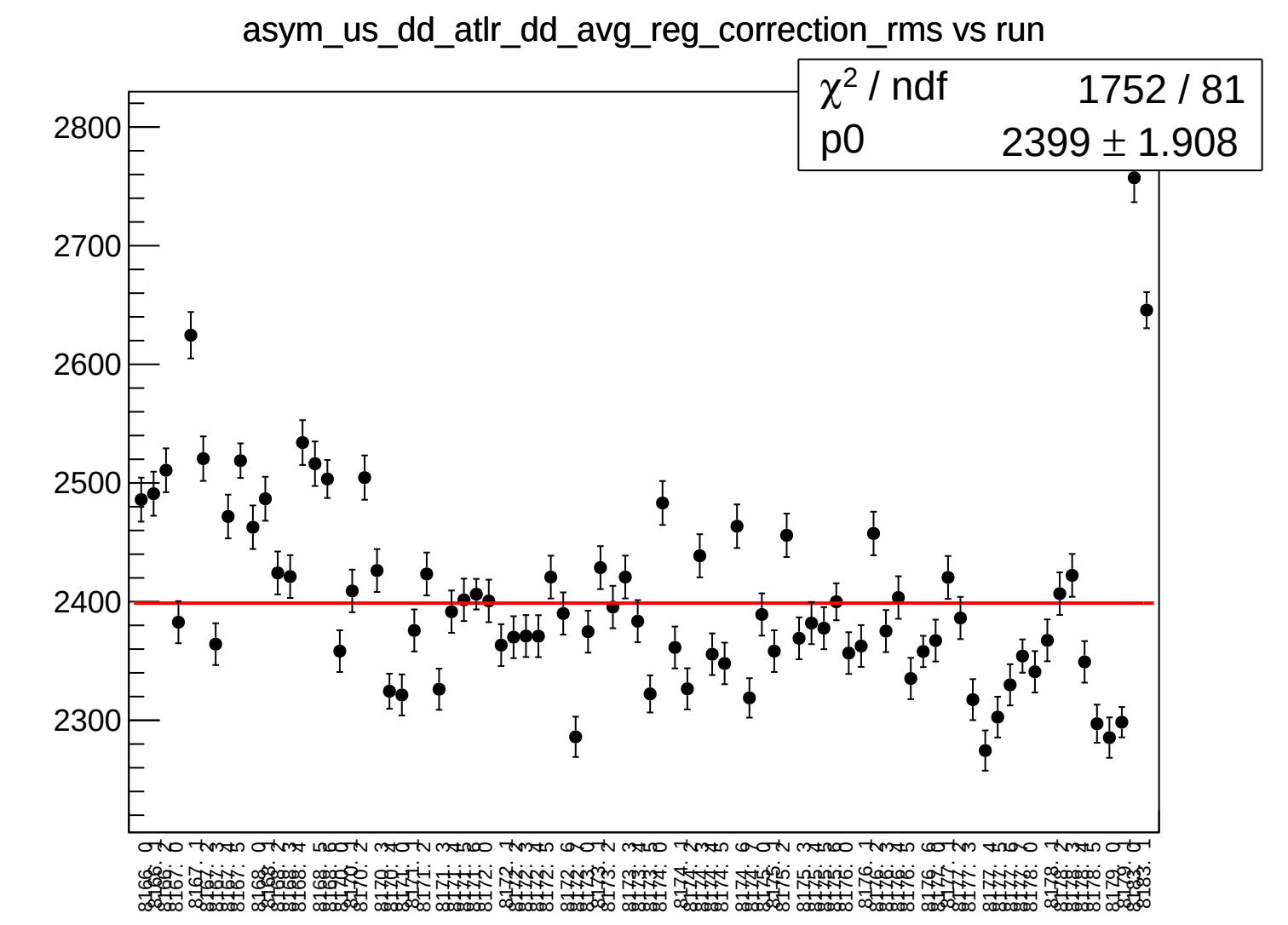

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 87.57 / 81
p0 915.3 ± 2027
pull
Entries 82
Mean 358.2
Std Dev 0

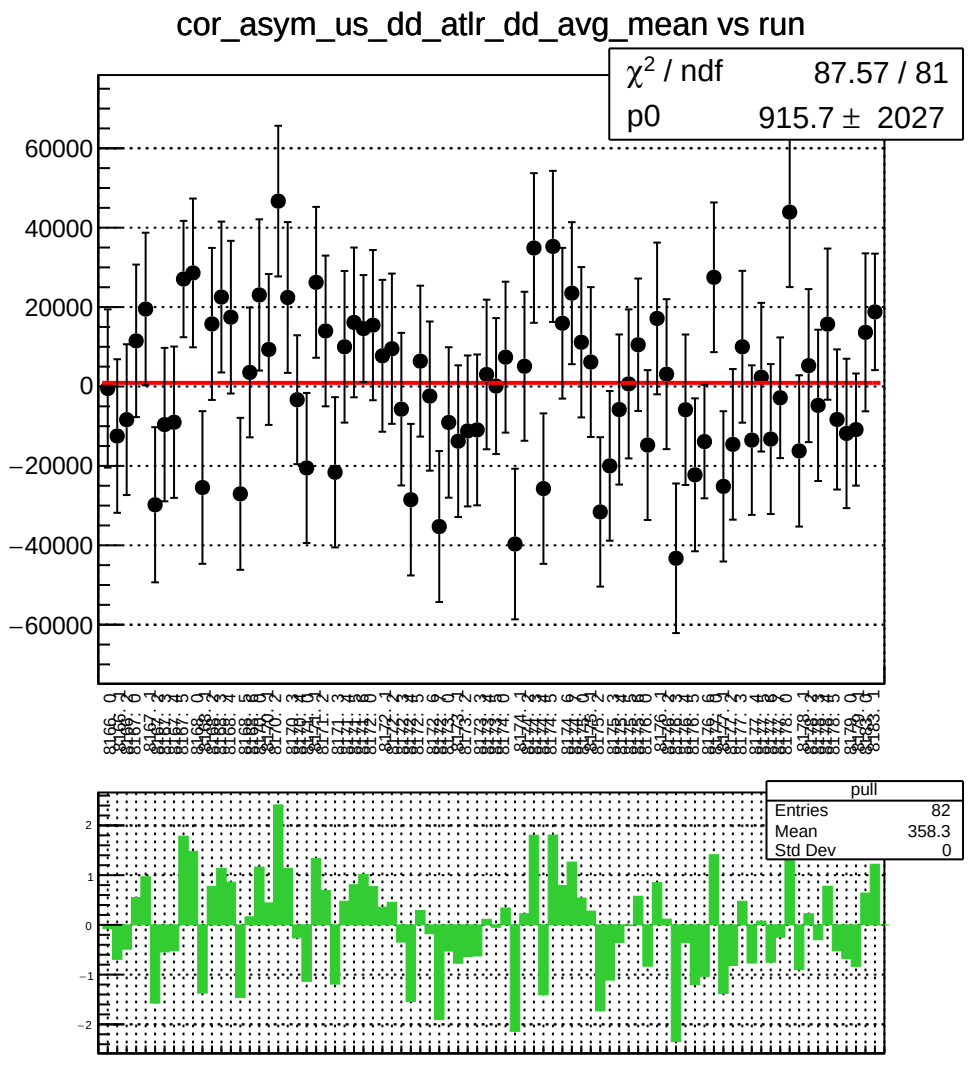

pull1D
Entries 82
Mean −0.009031
Std Dev 1.033

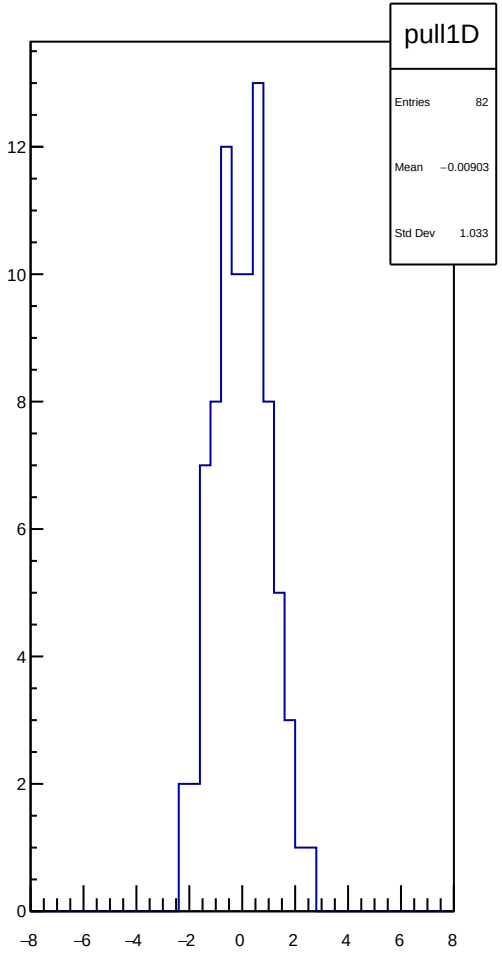

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ^2 / ndf 180.8 / 81
p0 1803 ± 1.433
1900
1880
1860
1840
1820
1800
1780
1760
1740

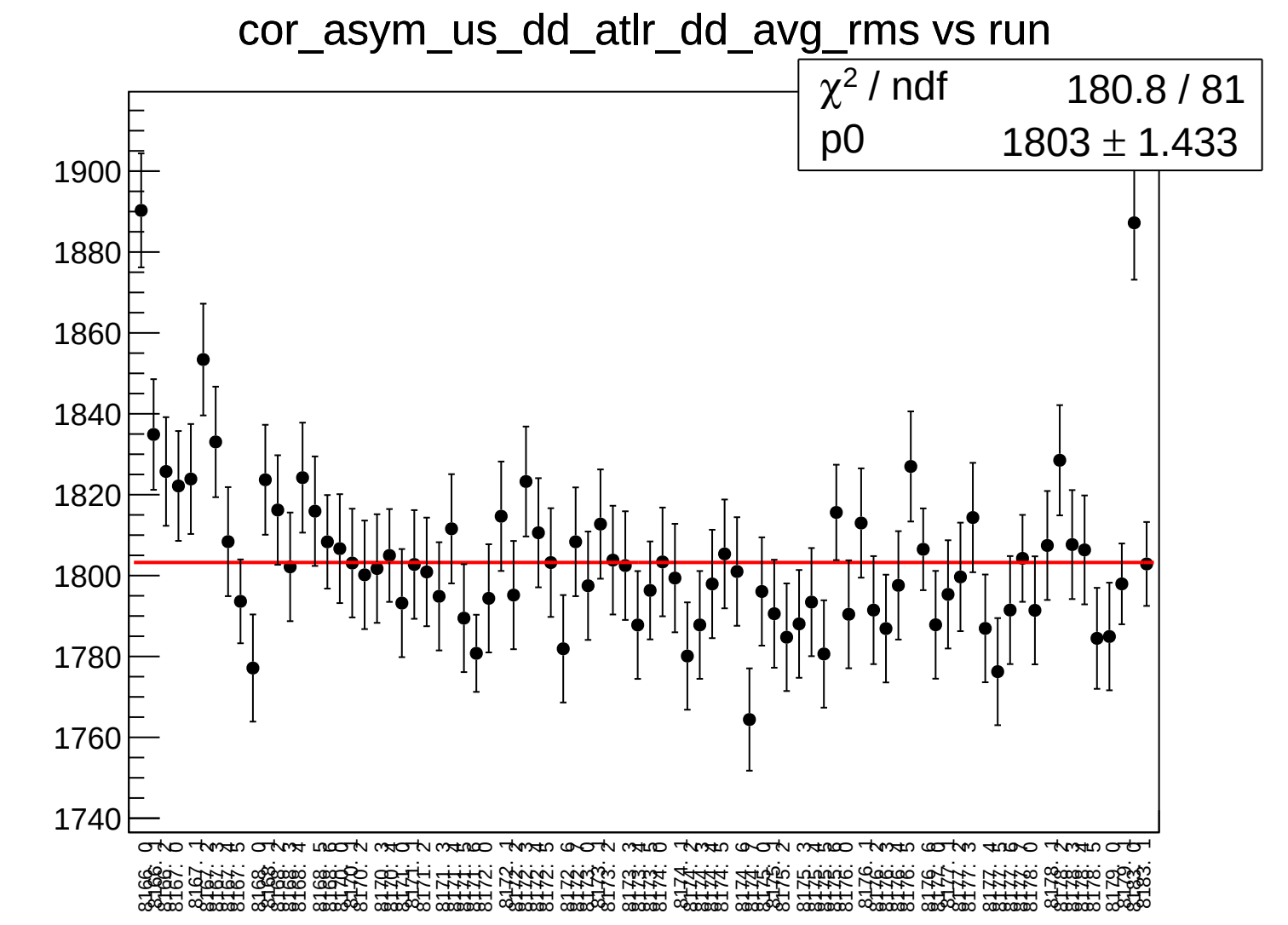

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 92.21 / 81
p0 −1982 ± 2698
pull
Entries 82
Mean −2092
Std Dev 0

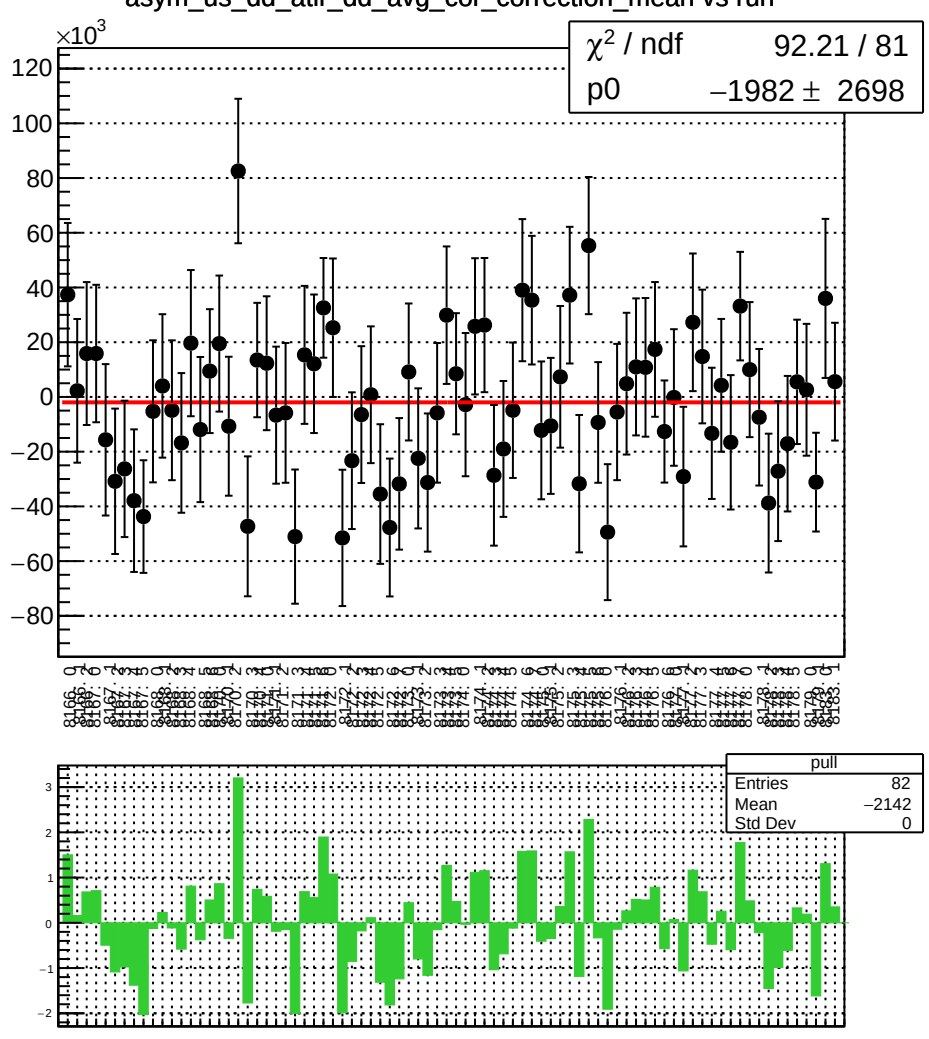

pull1D
Entries 82
Mean −0.0004223
Std Dev 1.06

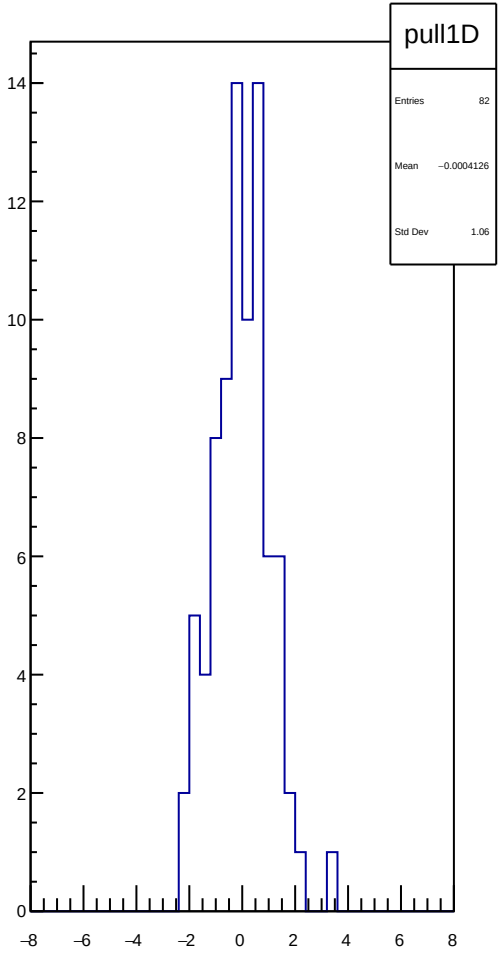

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 1752 / 81
p0 2399 ± 1.908
2800
2700
2600
2500
2400
2300

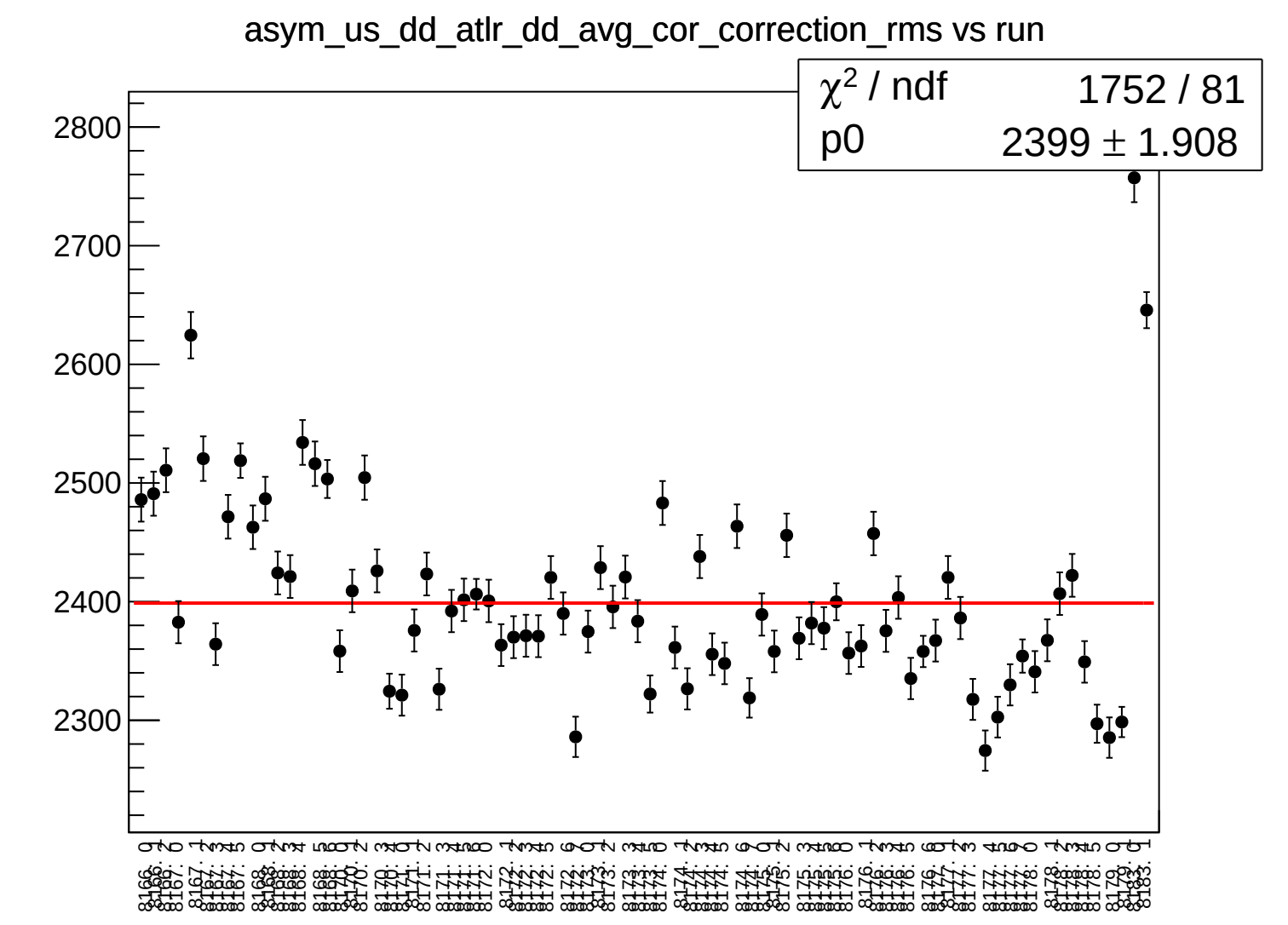

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 87.57 / 81
p0 915.7 ± 2027
pull
Entries 82
Mean 358.3
Std Dev 0

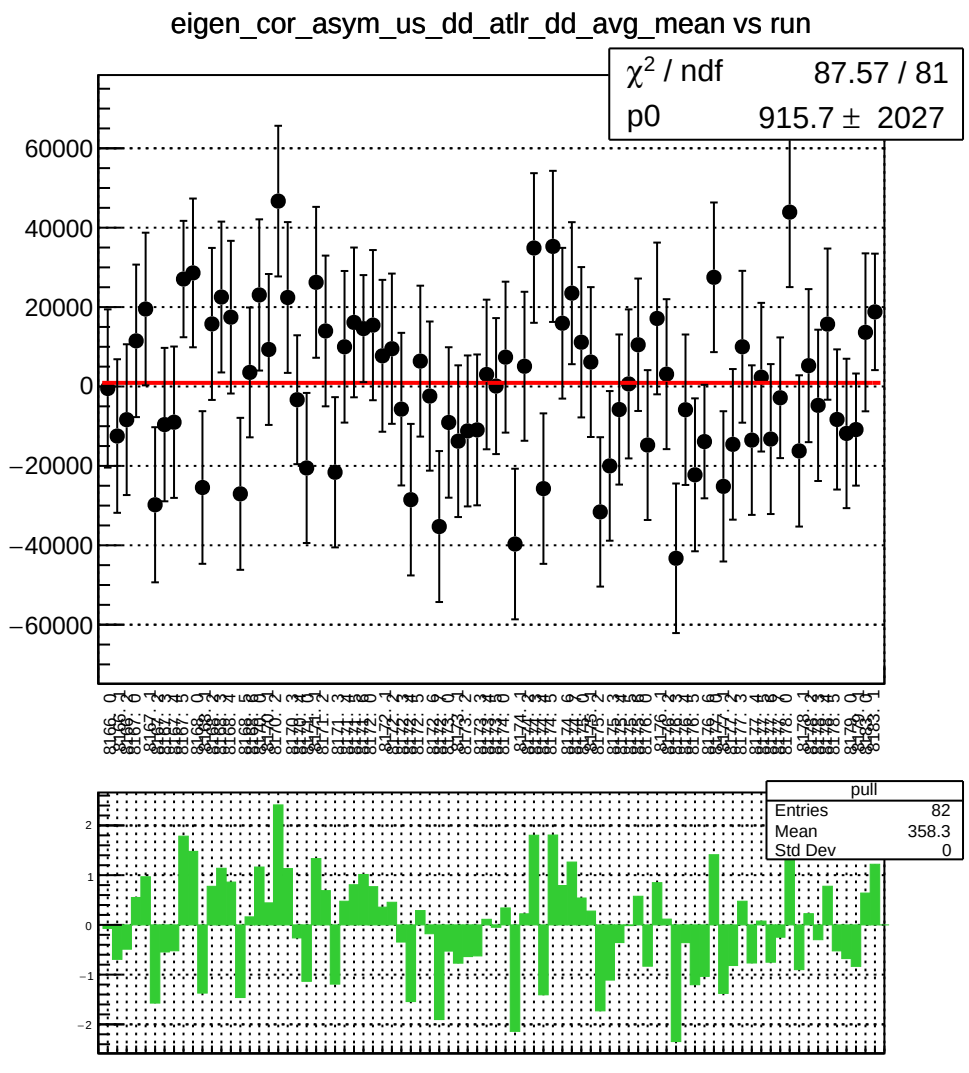

pull1D
Entries 82
Mean −0.00903
Std Dev 1.033

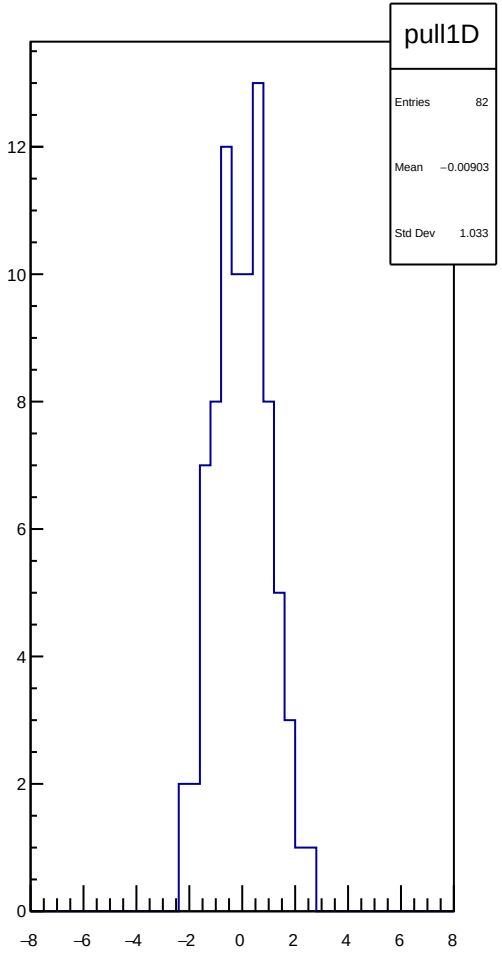

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 180.8 / 81
p0 1803 ± 1.433
1900
1880
1860
1840
1820
1800
1780
1760
1740

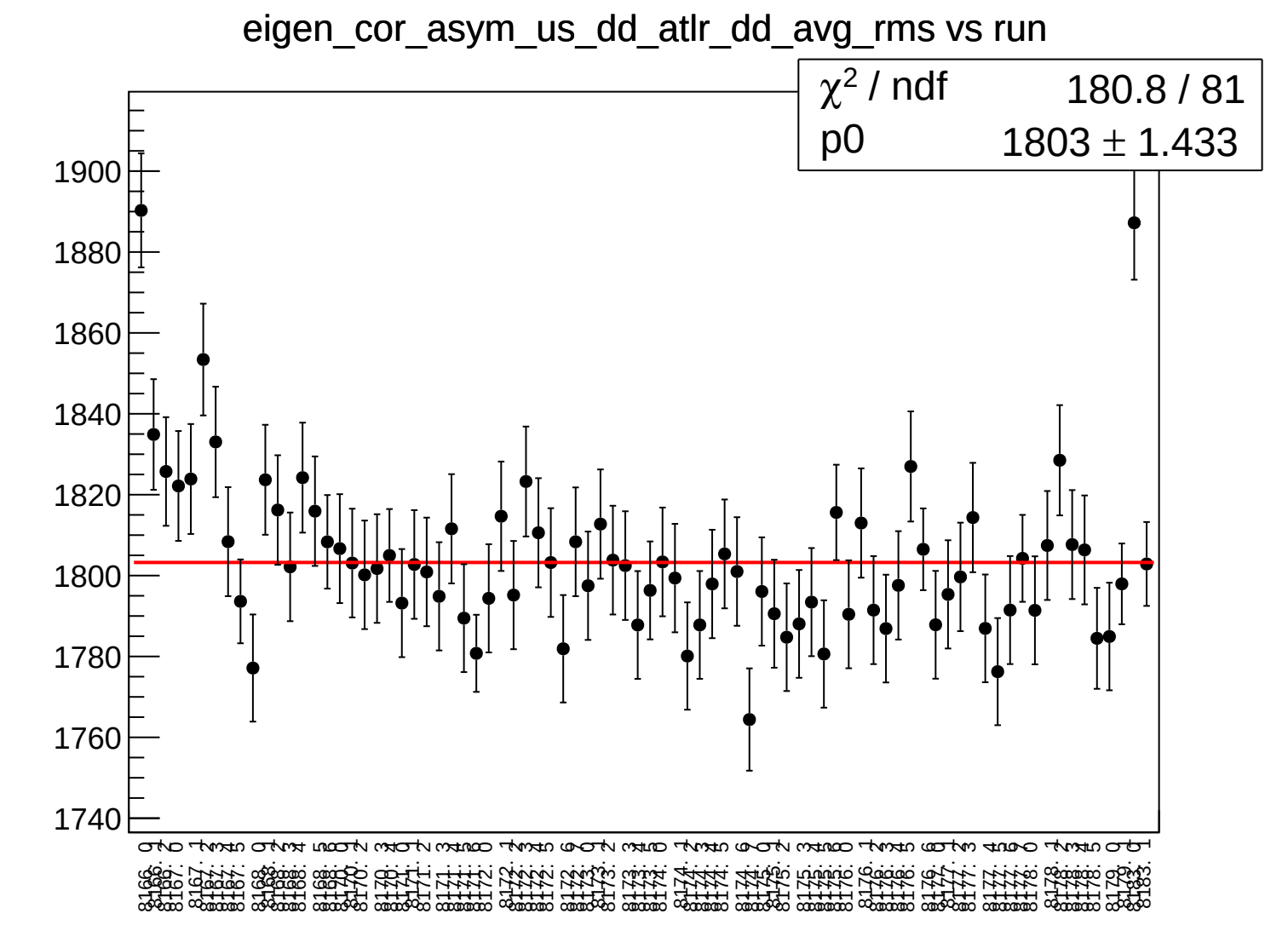

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 92.21 / 81
p0 −1982 ± 2698
pull
Entries 82
Mean −2142
Std Dev 0

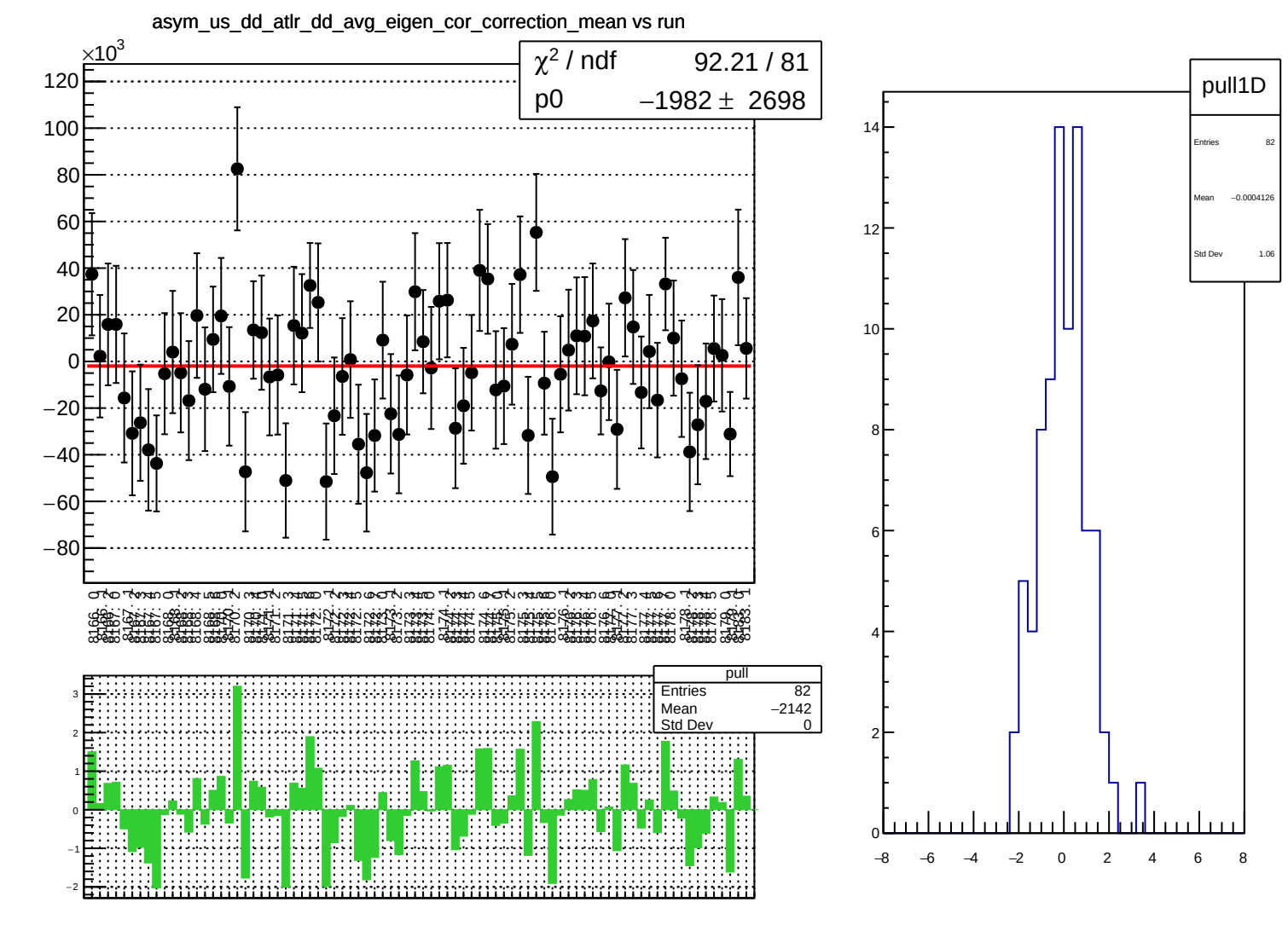

pull1D
Entries 82
Mean −0.0004126
Std Dev 1.06

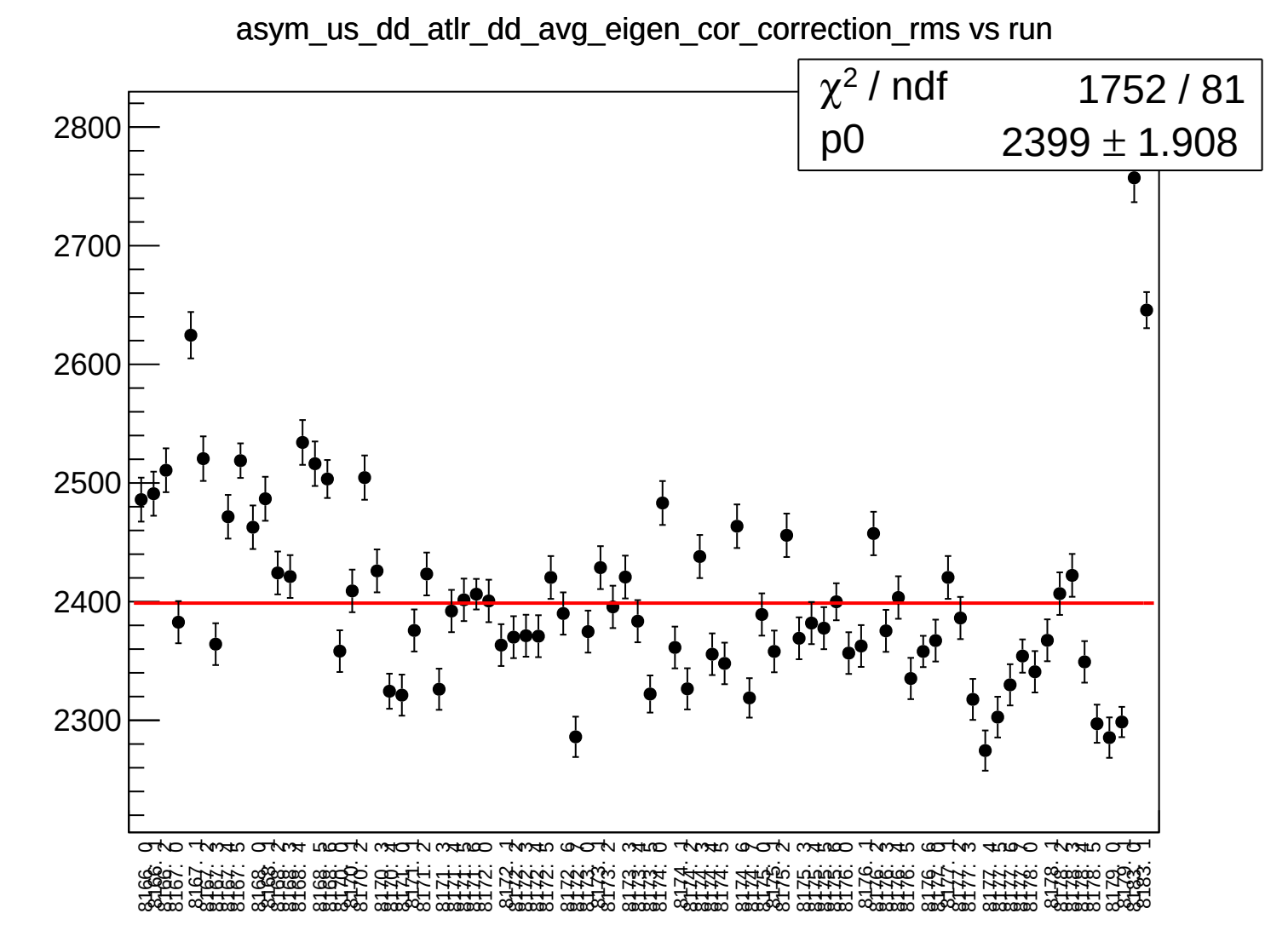

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 1752 / 81
p0 2399 ± 1.908
2800
2700
2600
2500
2400
2300

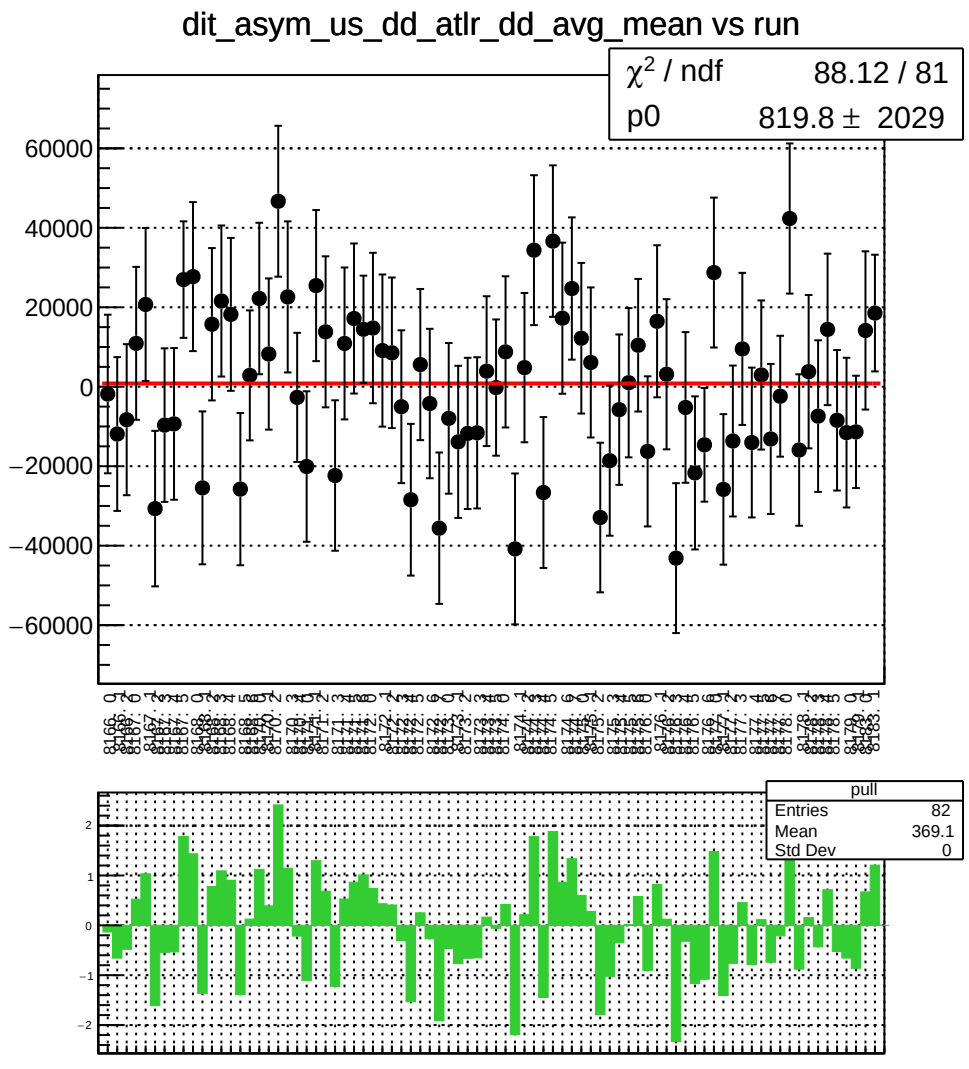

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 87.57 / 81
p0 915.7 ± 2027
pull
Entries 82
Mean 358.3
Std Dev 0

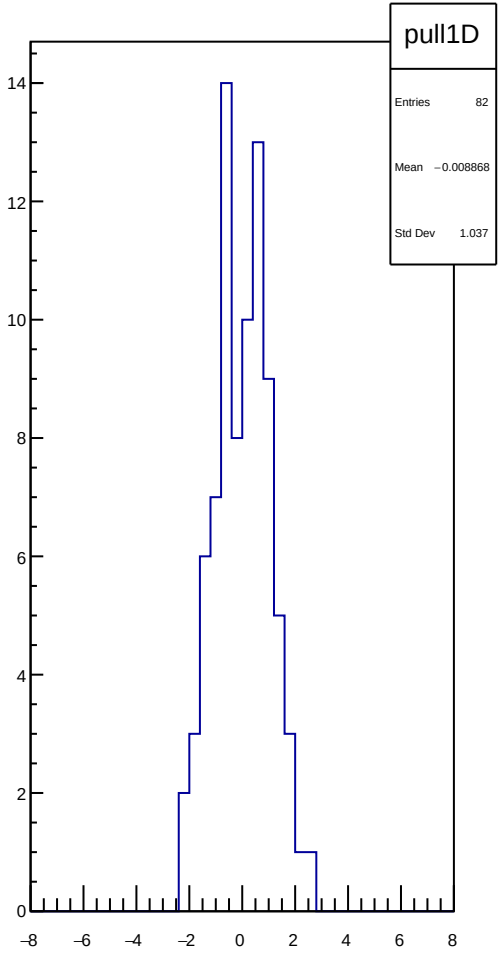

pull1D
Entries 82
Mean −0.00903
Std Dev 1.033

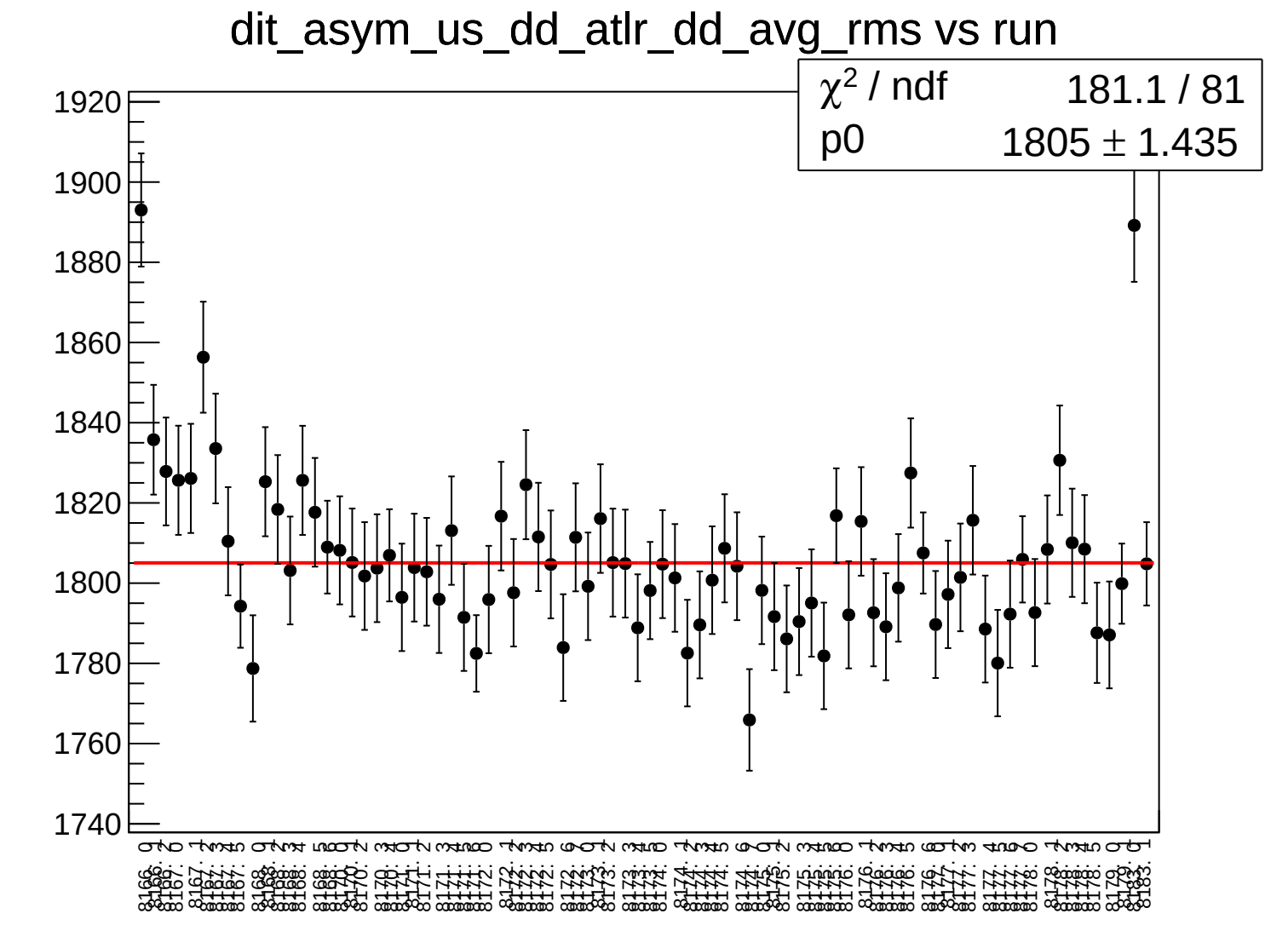

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 180.8 / 81
p0 1803 ± 1.433
1900
1880
1860
1840
1820
1800
1780
1760
1740

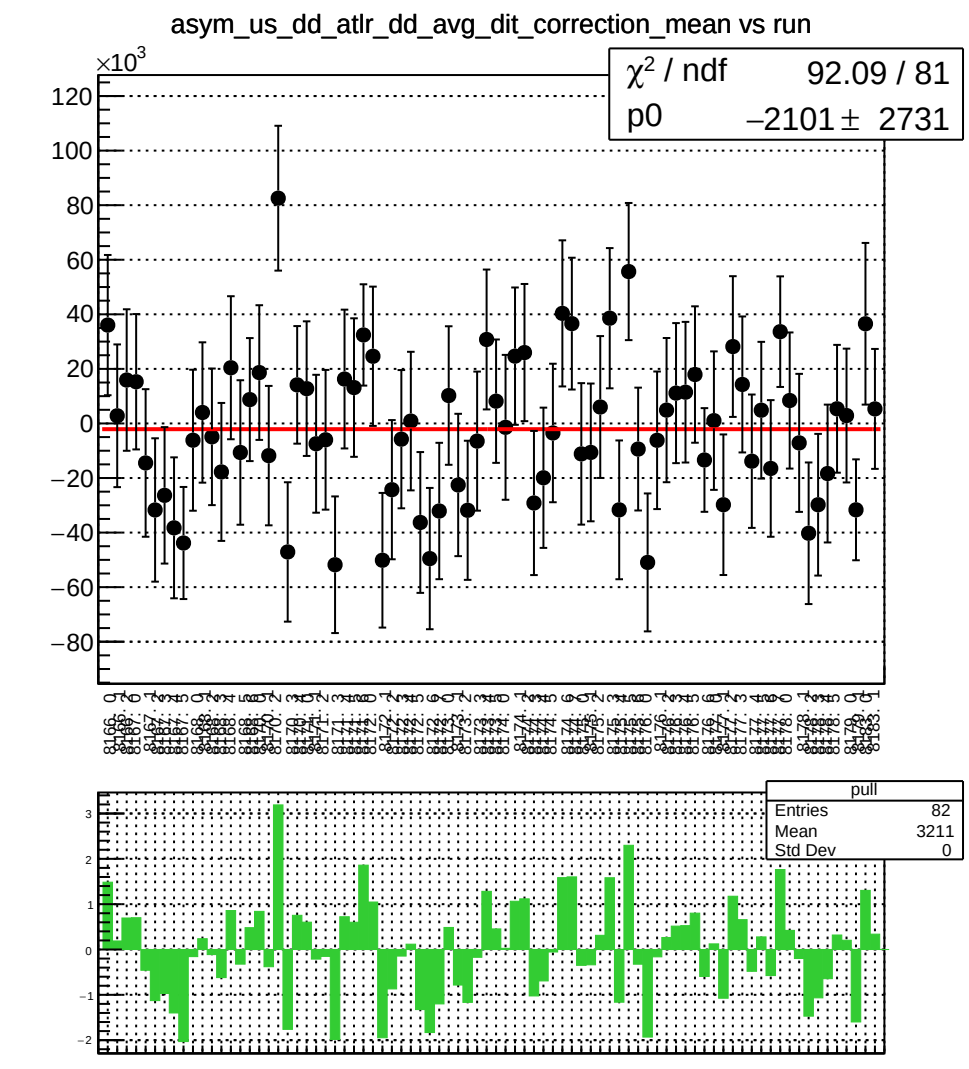

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 92.21 / 81
p0 −1982 ± 2698
pull
Entries 82
Mean −2142
Std Dev 0
pull1D
Entries 82
Mean −0.0004126
Std Dev 1.06

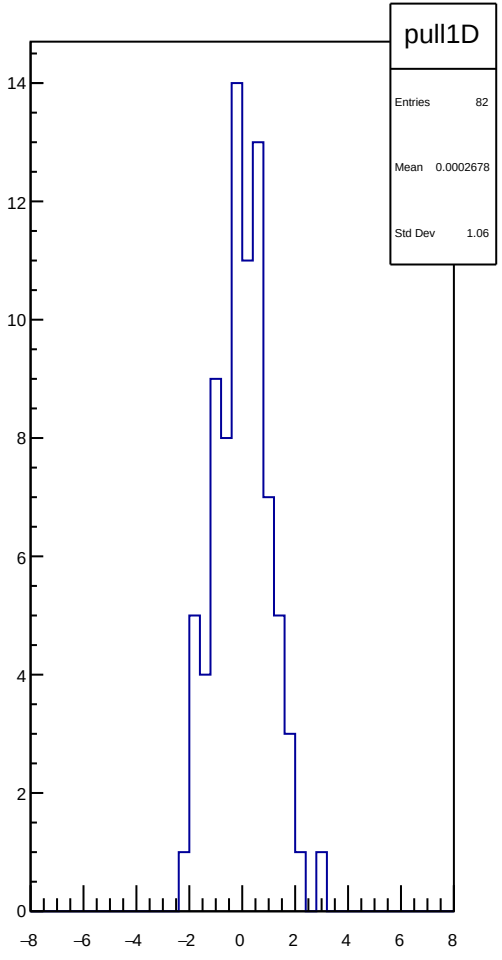

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1752 / 81
p0 2399 ± 1.908
2800
2700
2600
2500
2400
2300

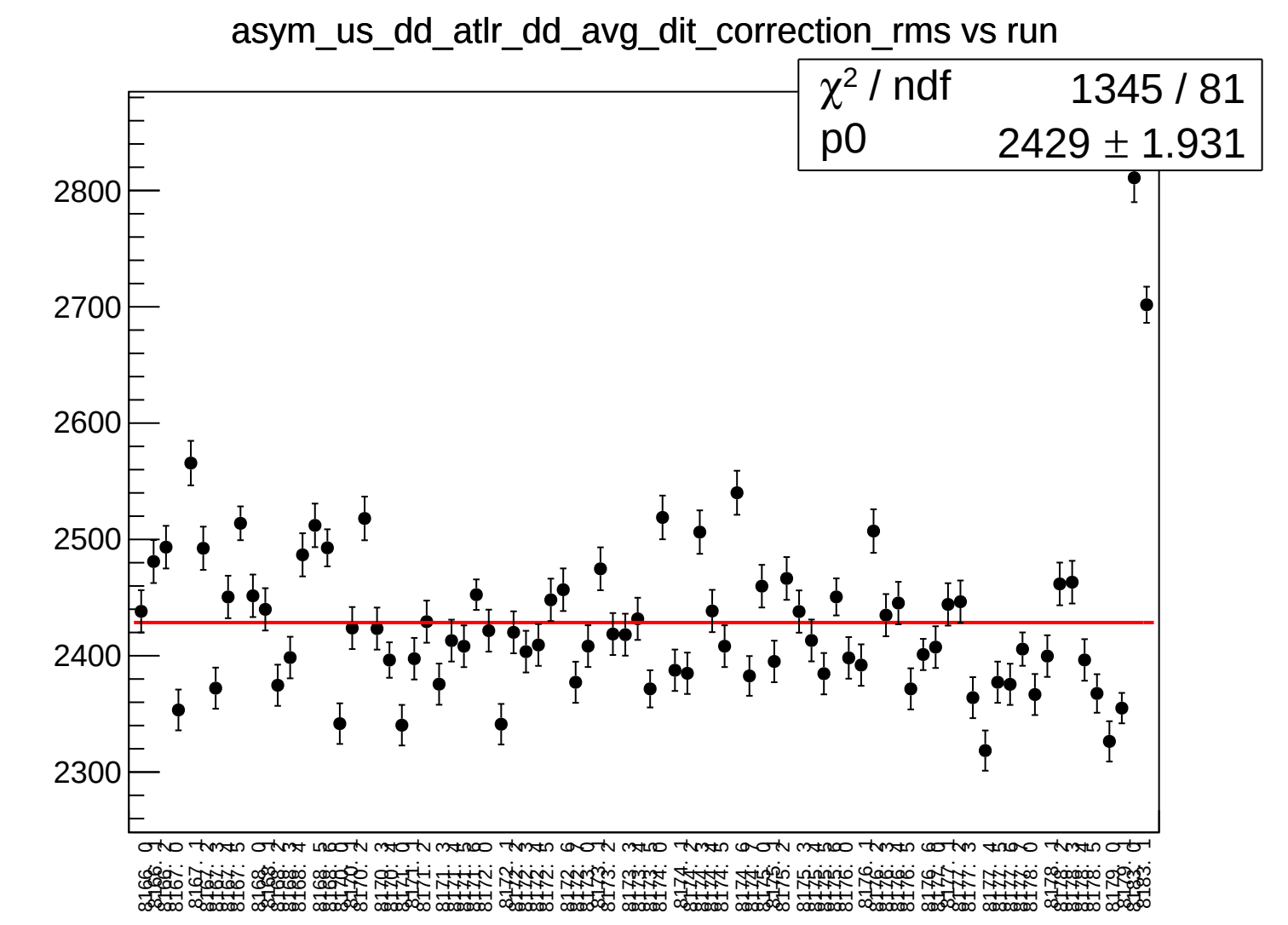

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 88.12 / 81
p0 819.8 ± 2029
pull
Entries 82
Mean 369.1
Std Dev 0

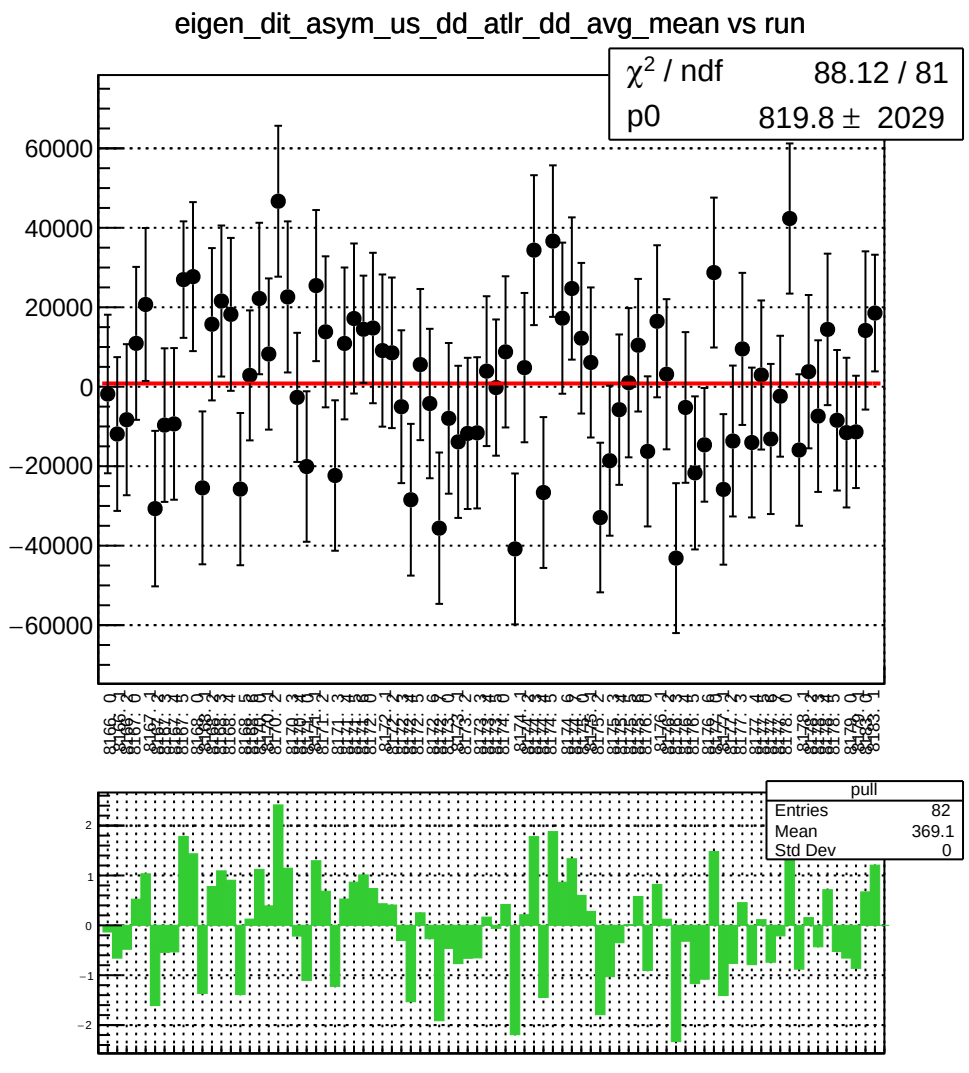

pull1D
Entries 82
Mean −0.008868
Std Dev 1.037

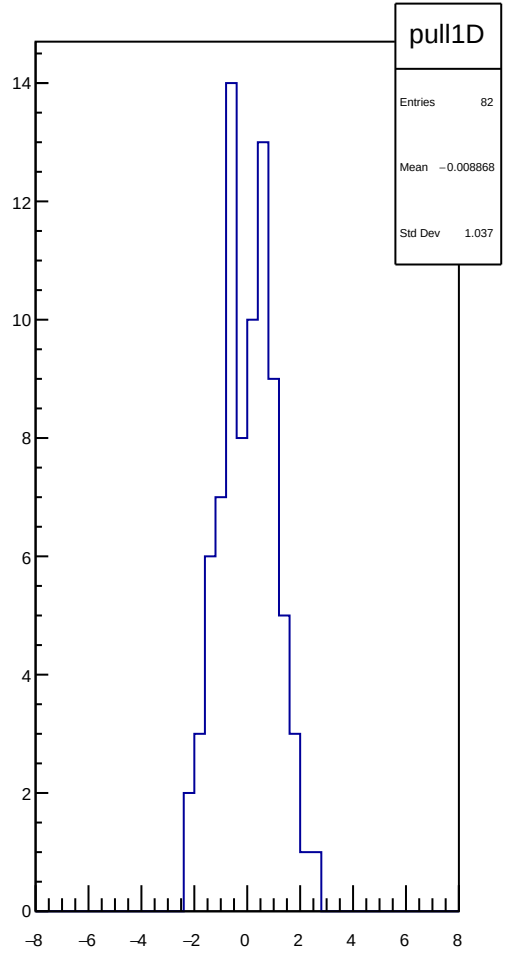

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 181.1 / 81
p0 1805 ± 1.435
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

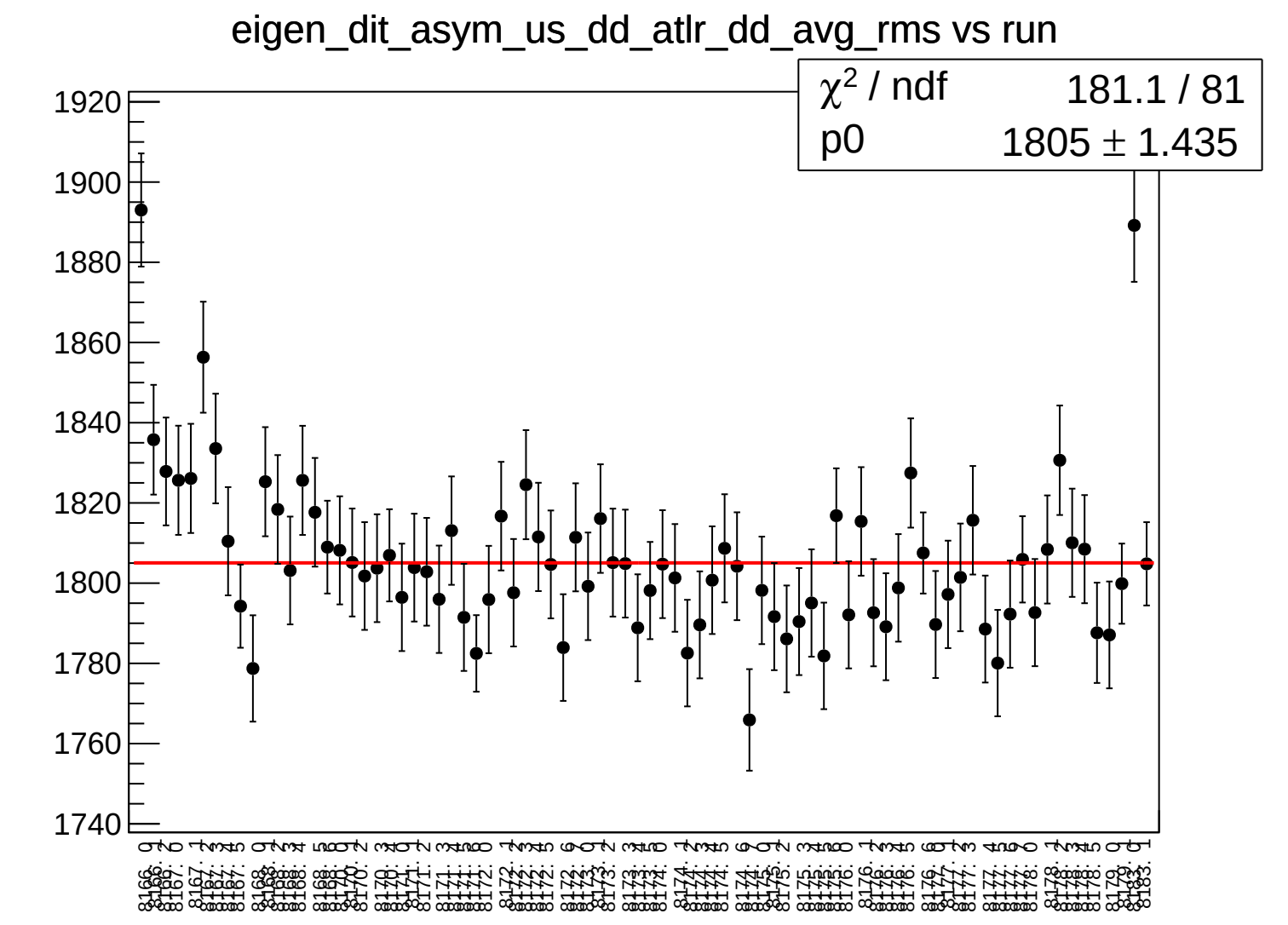

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 92.09 / 81
p0 −2101 ± 2731
pull
Entries 82
Mean 3211
Std Dev 0

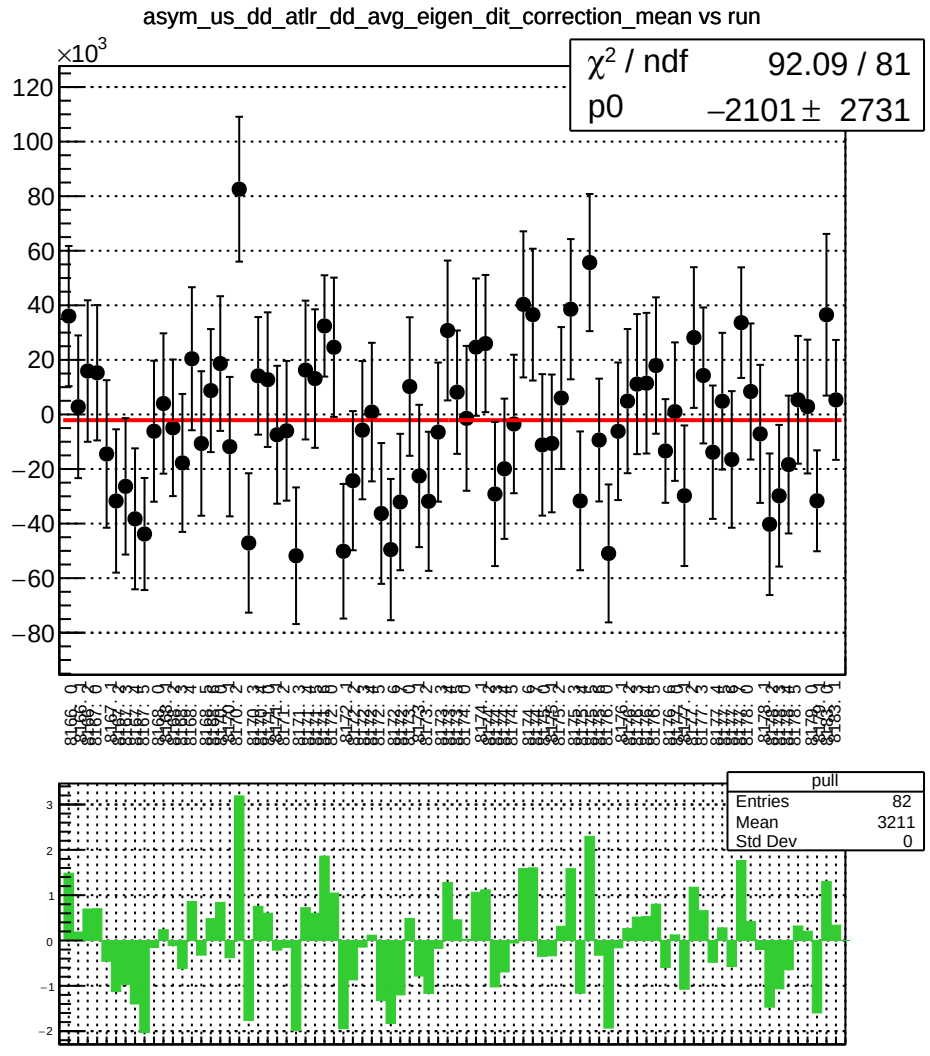

pull1D
Entries 82
Mean 0.0002678
Std Dev 1.06

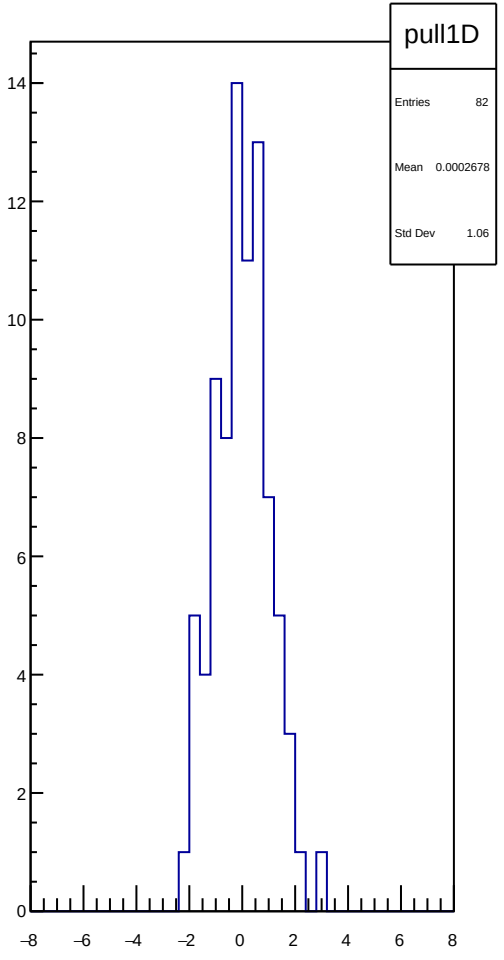

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 1345 / 81
p0 2429 ± 1.931
2800
2700
2600
2500
2400
2300

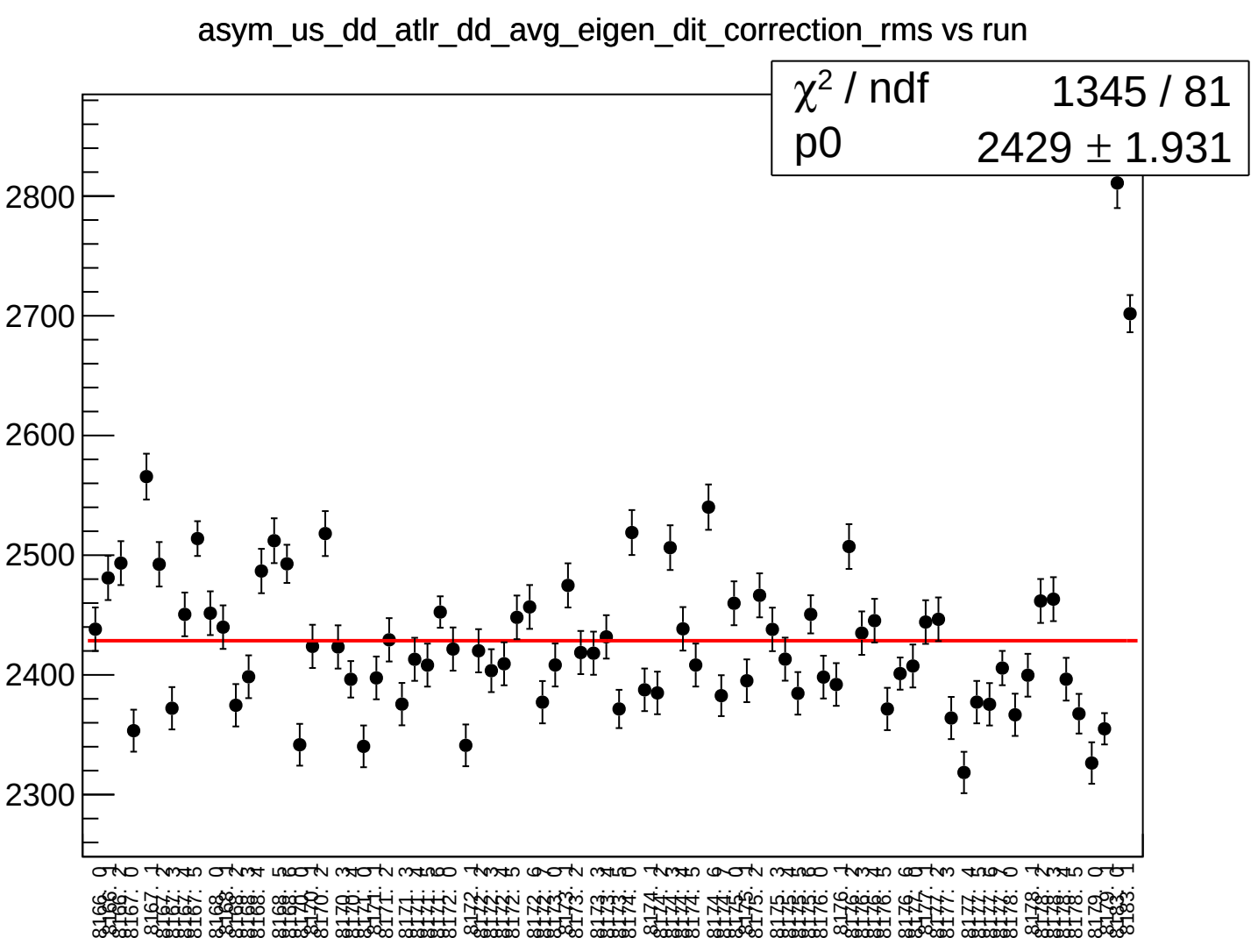

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 88.12 / 81
p0 819.8 ± 2029
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 369.1
Std Dev 0
2
1
0
−1
−2

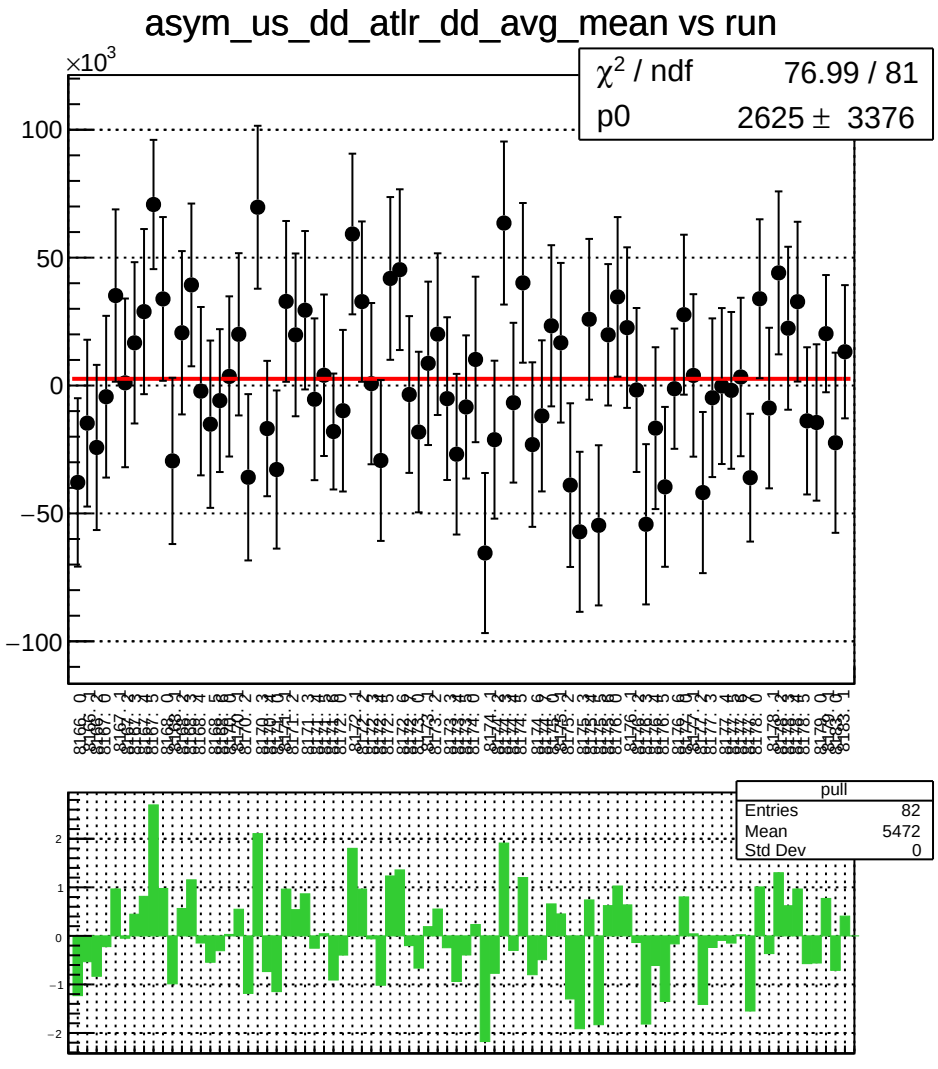

pull1D
Entries 82
Mean −0.008868
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

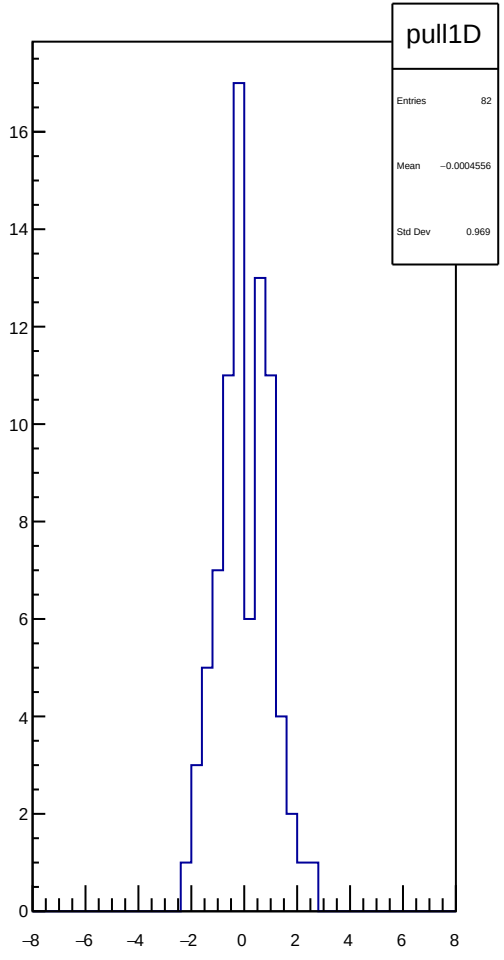

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ^2 / ndf 181.1 / 81
p0 1805 ± 1.435
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740

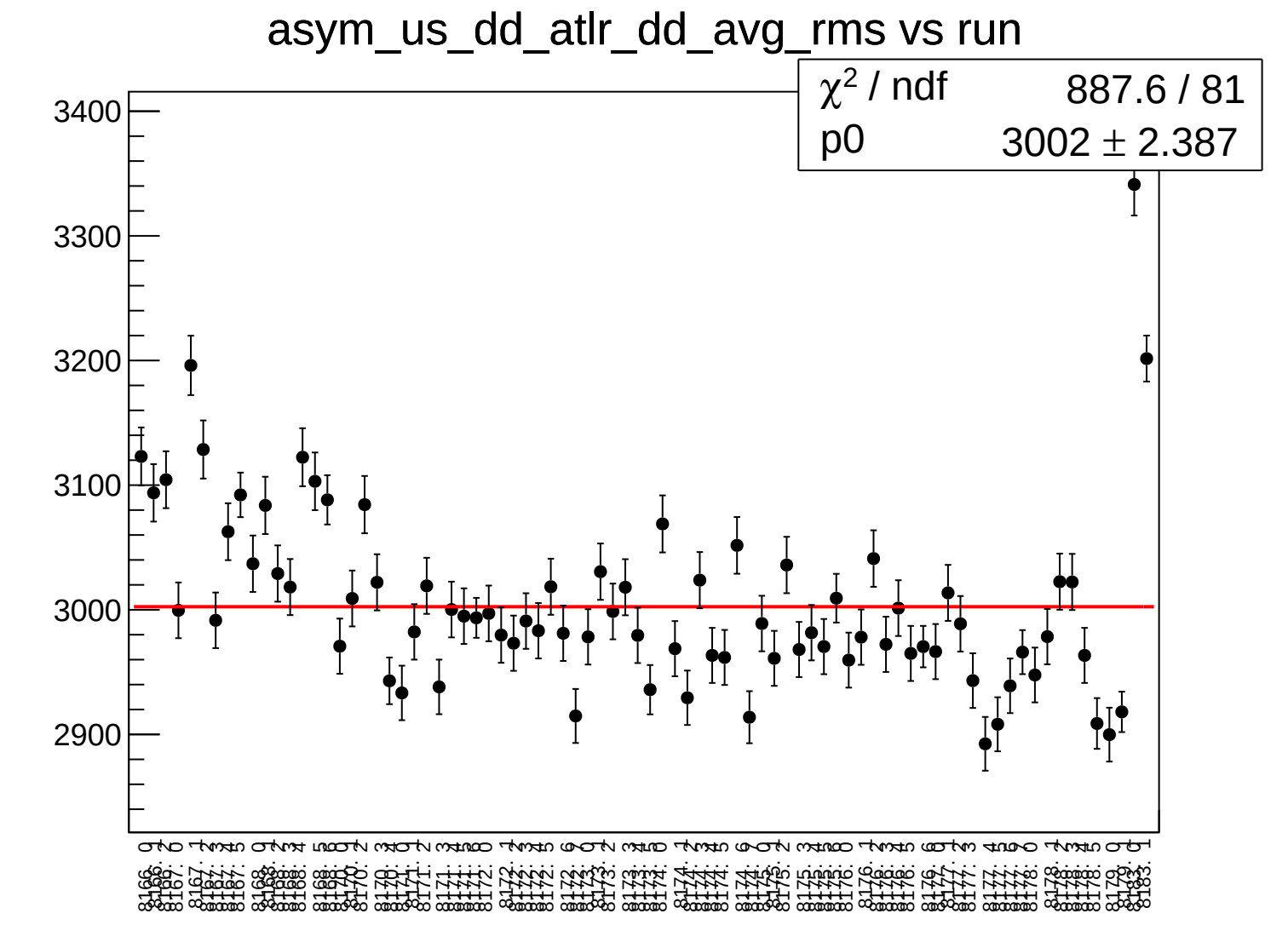

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 92.09 / 81
p0 −2101 ± 2731
pull
Entries 82
Mean 3211
Std Dev 0

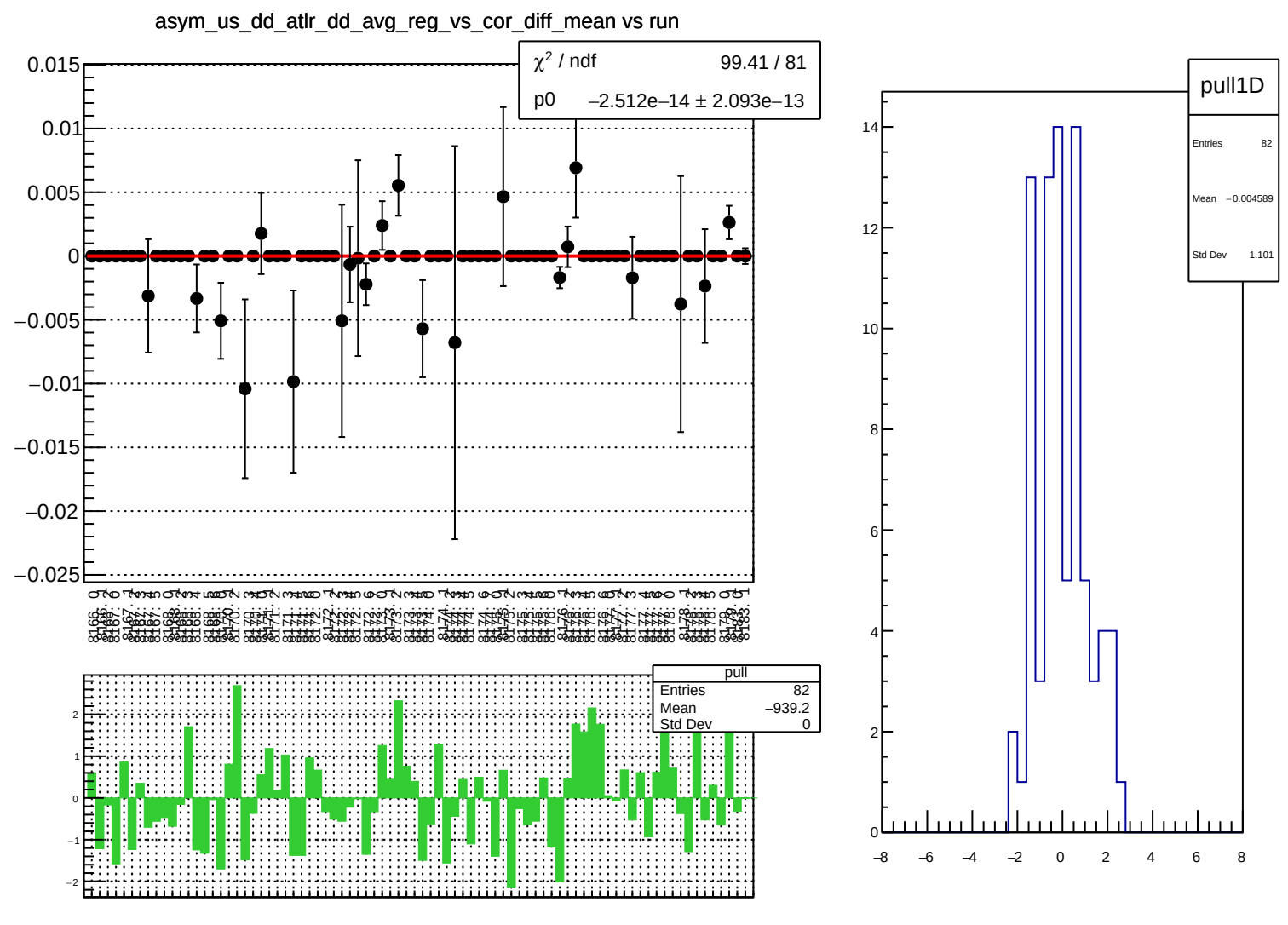

pull1D
Entries 82
Mean 0.0002678
Std Dev 1.06

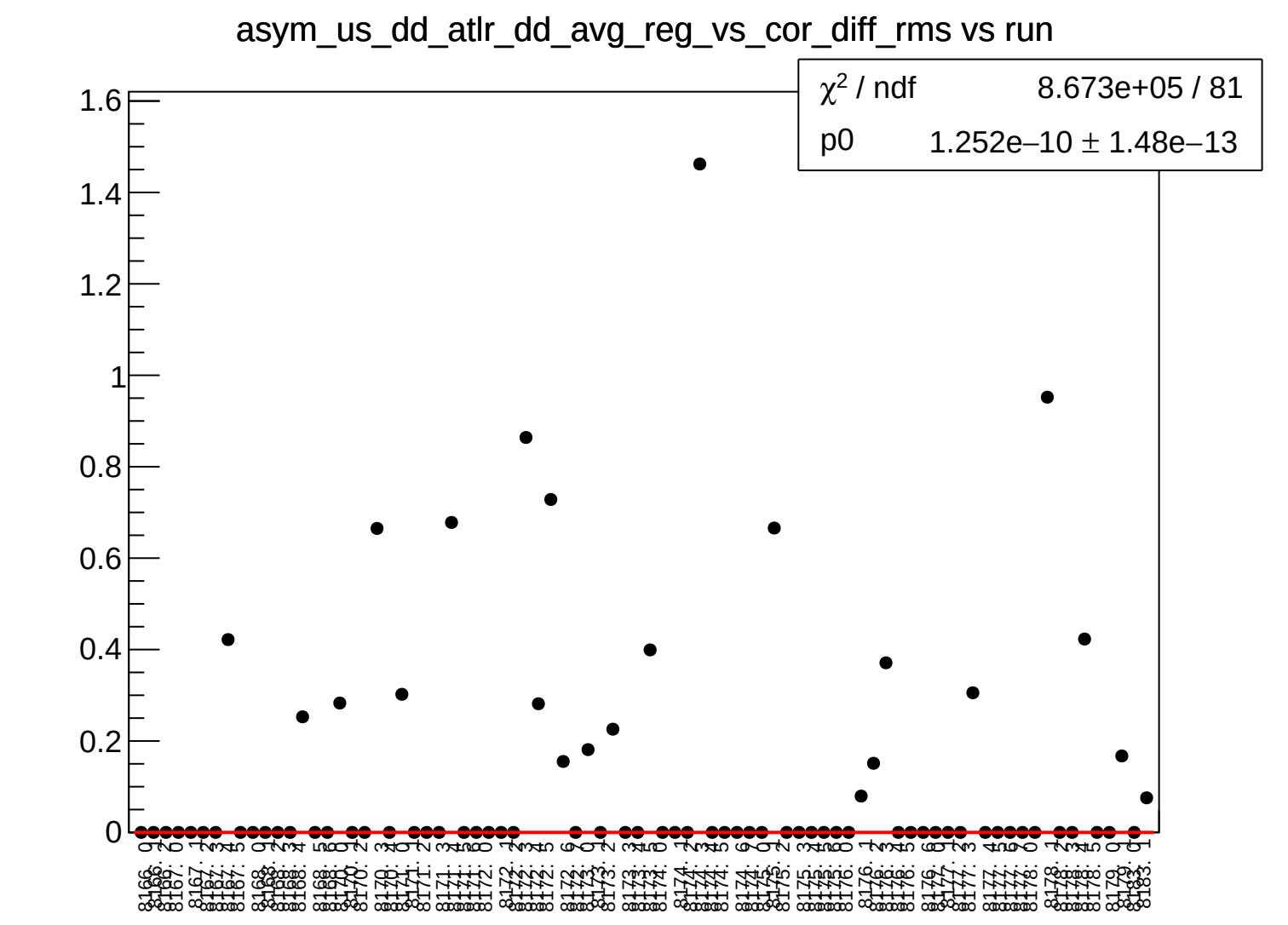

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1345 / 81
p0 2429 ± 1.931
2800
2700
2600
2500
2400
2300

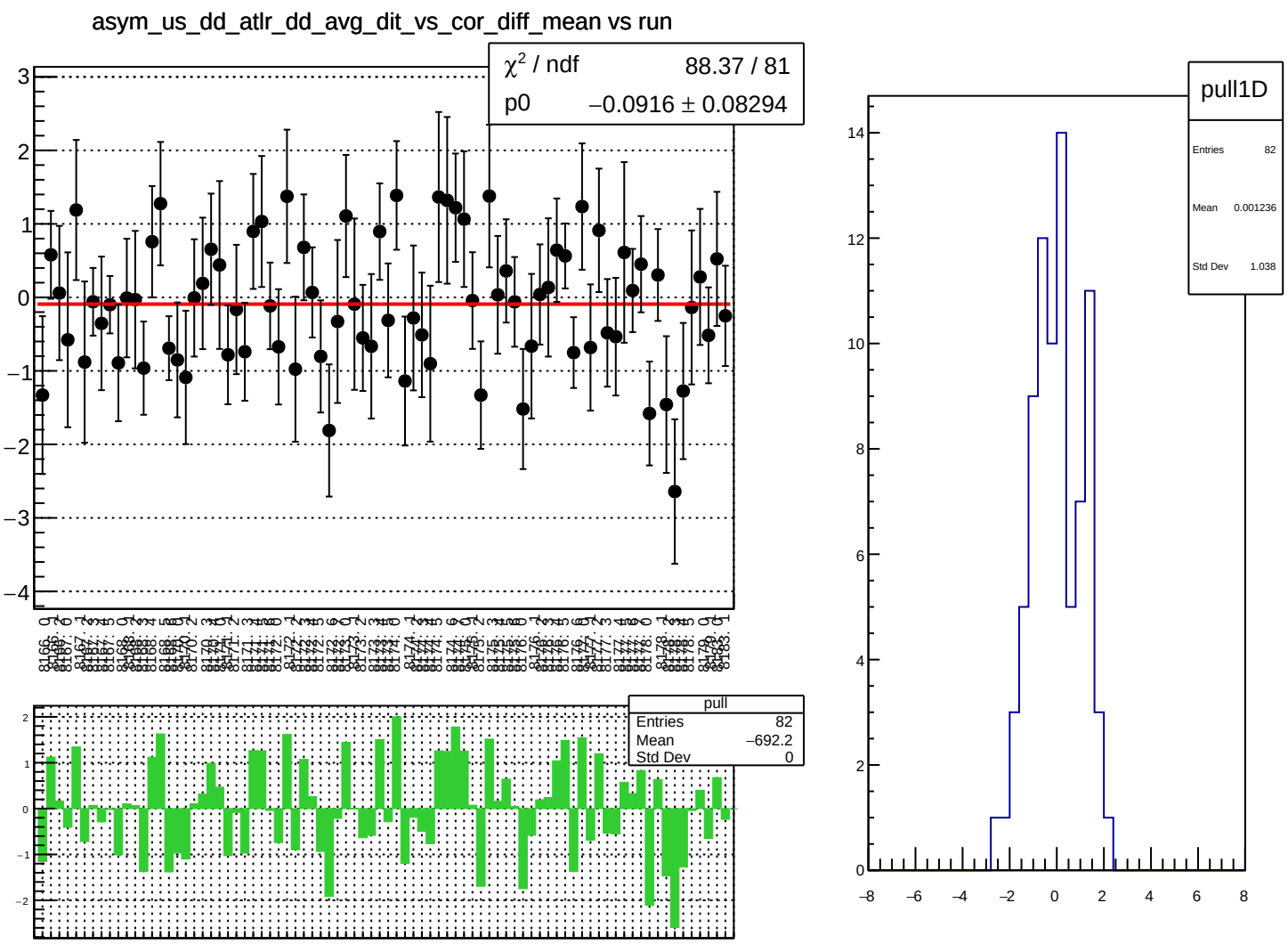

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 76.99 / 81
p0 2625 ± 3376
×10³
100
50
0
−50
−100
pull
Entries 82
Mean 5472
Std Dev 0
2
1
0
−1
−2

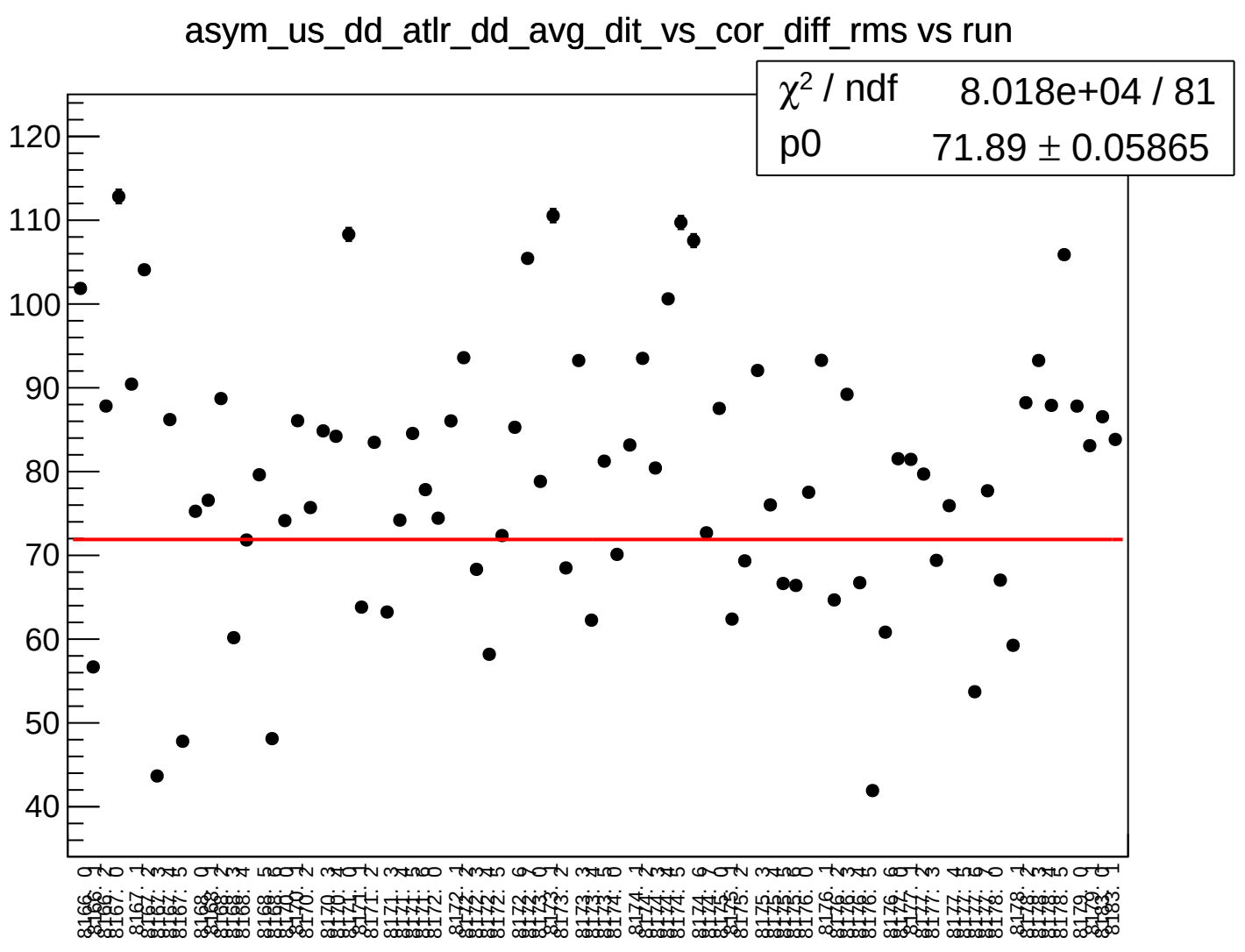

pull1D
Entries 82
Mean −0.0004556
Std Dev 0.969
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

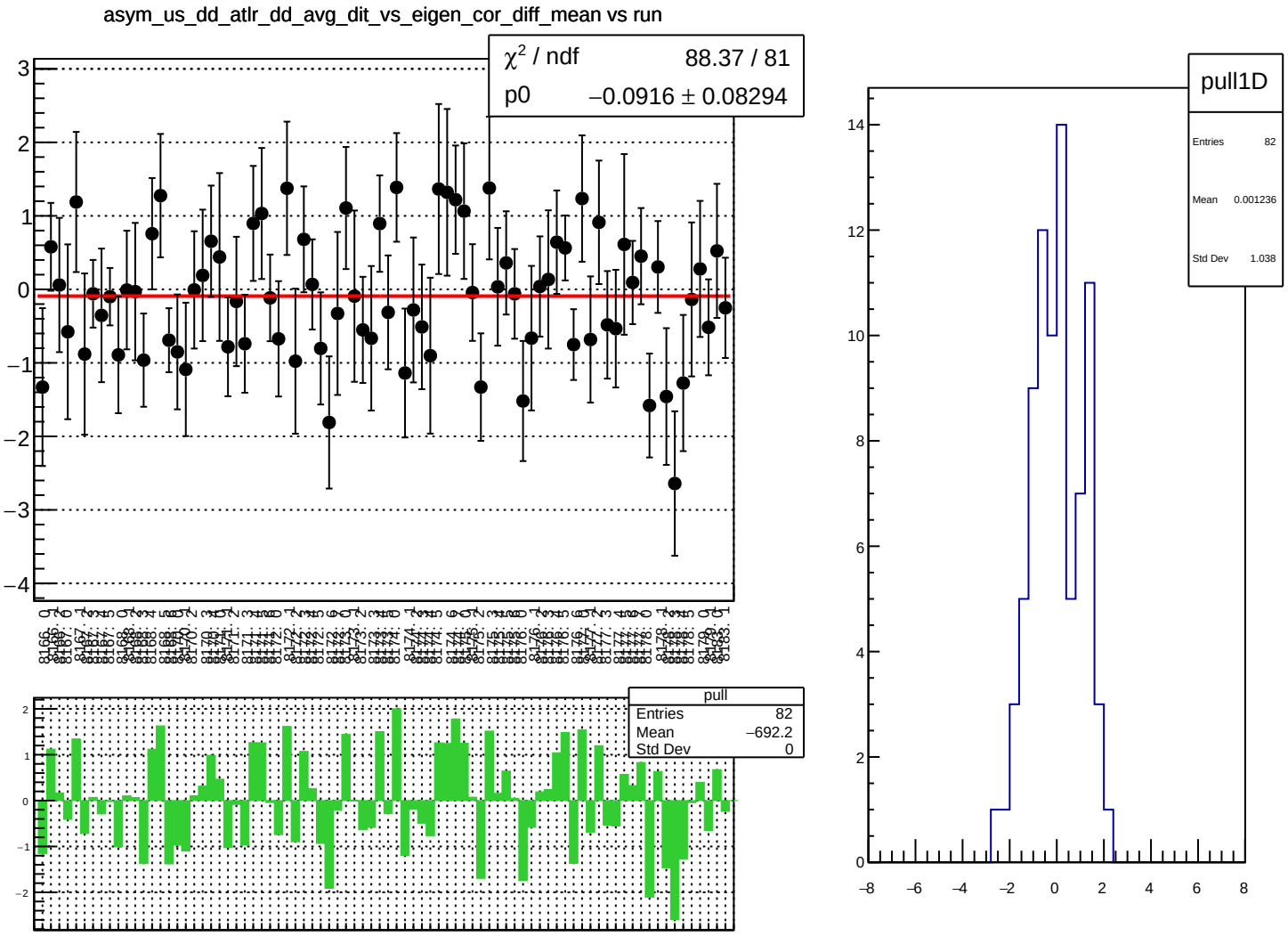

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 887.6 / 81
p0 3002 ± 2.387
3400
3300
3200
3100
3000
2900

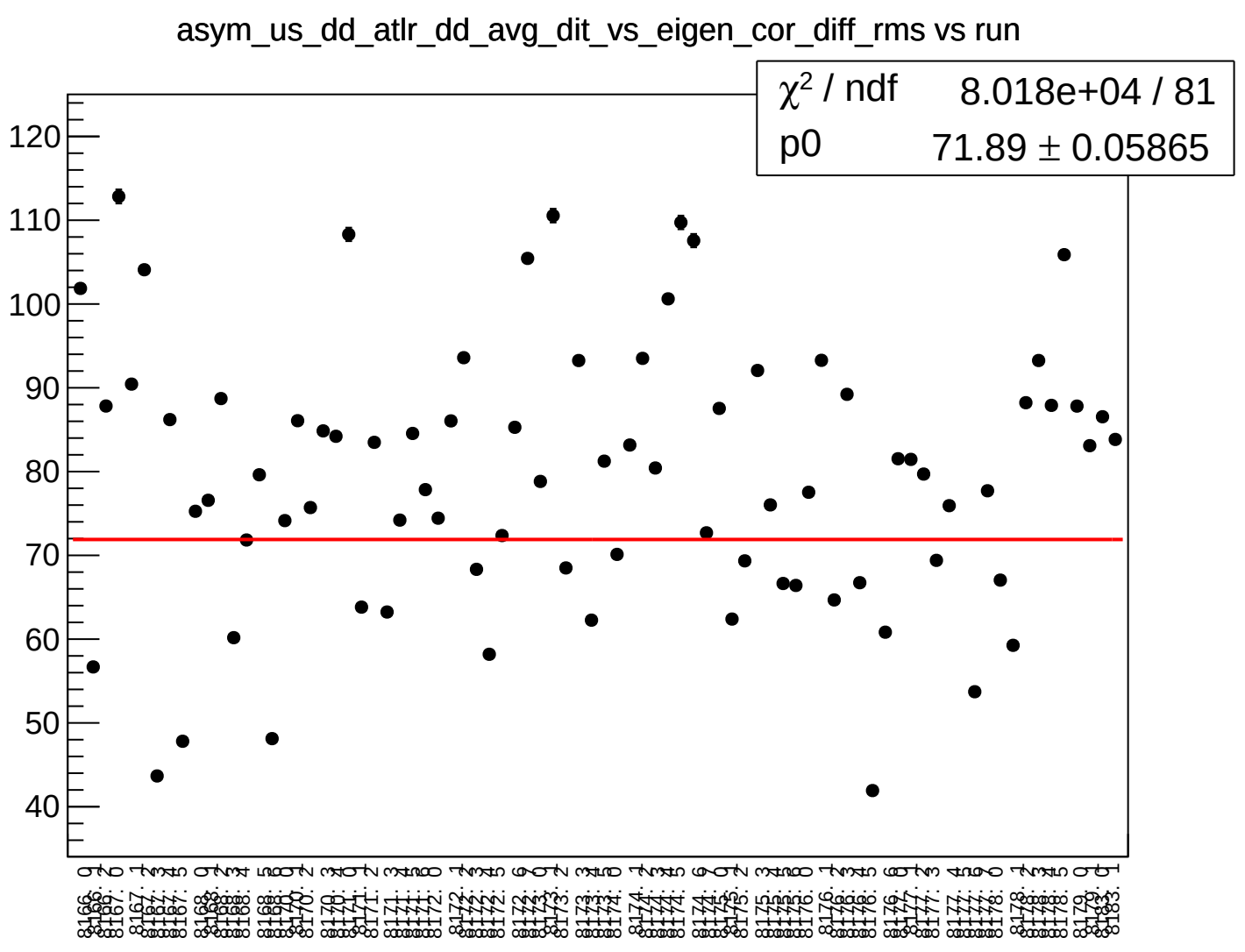

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 99.41 / 81
p0 −2.512e−14 ± 2.093e−13
pull
Entries 82
Mean −939.2
Std Dev 0
pull1D
Entries 82
Mean −0.004589
Std Dev 1.101

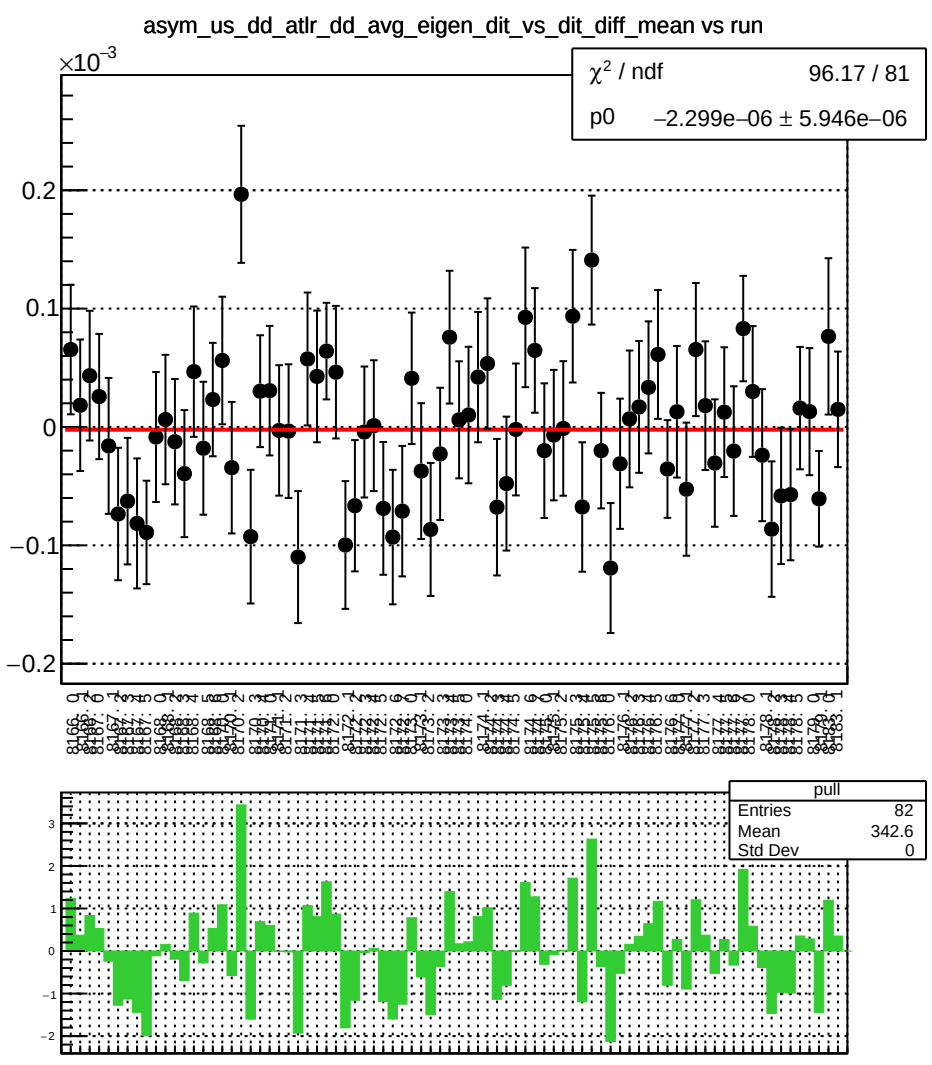

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.673e+05 / 81
p0 1.252e−10 ± 1.48e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

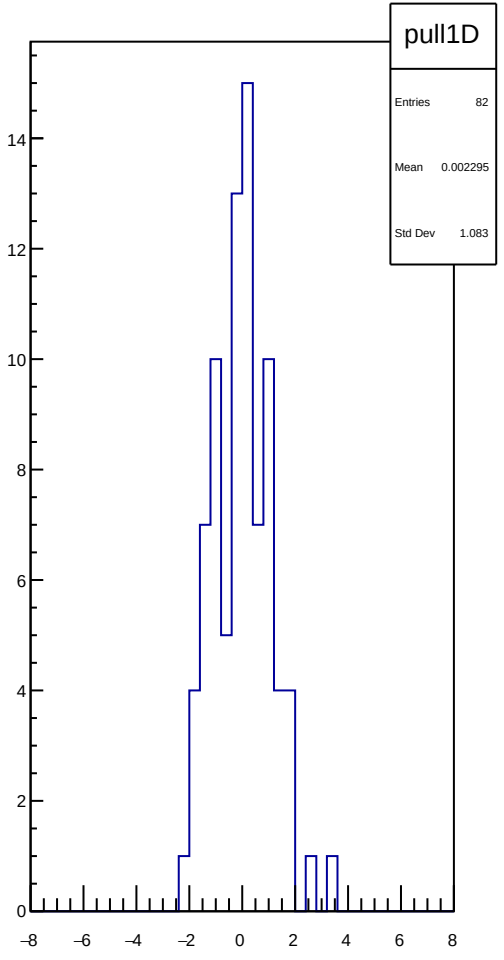

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.37 / 81
p0 −0.0916 ± 0.08294
pull
Entries 82
Mean −692.2
Std Dev 0
pull1D
Entries 82
Mean 0.001236
Std Dev 1.038

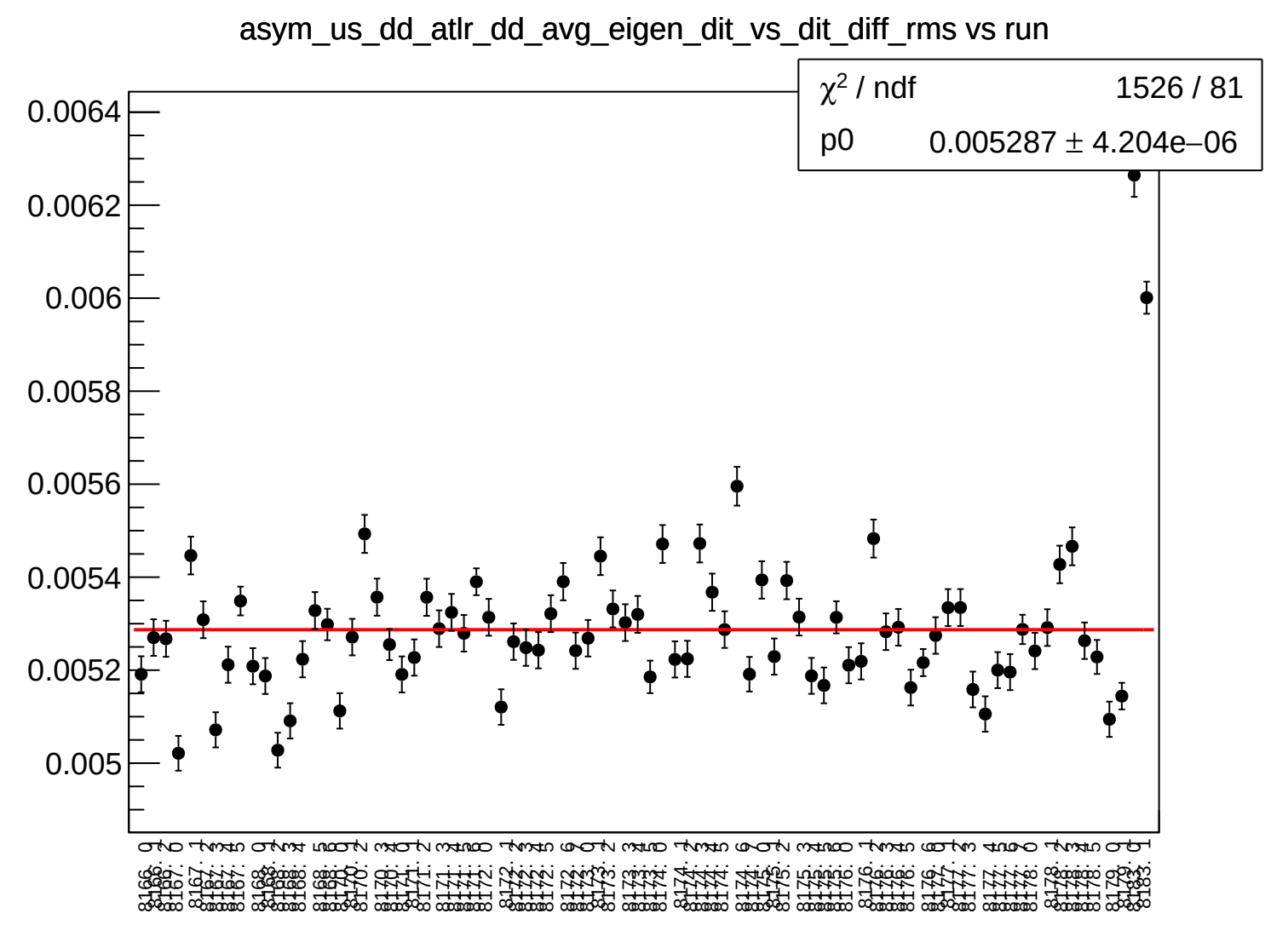

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.018e+04 / 81
p0 71.89 ± 0.05865
120
110
100
90
80
70
60
50
40

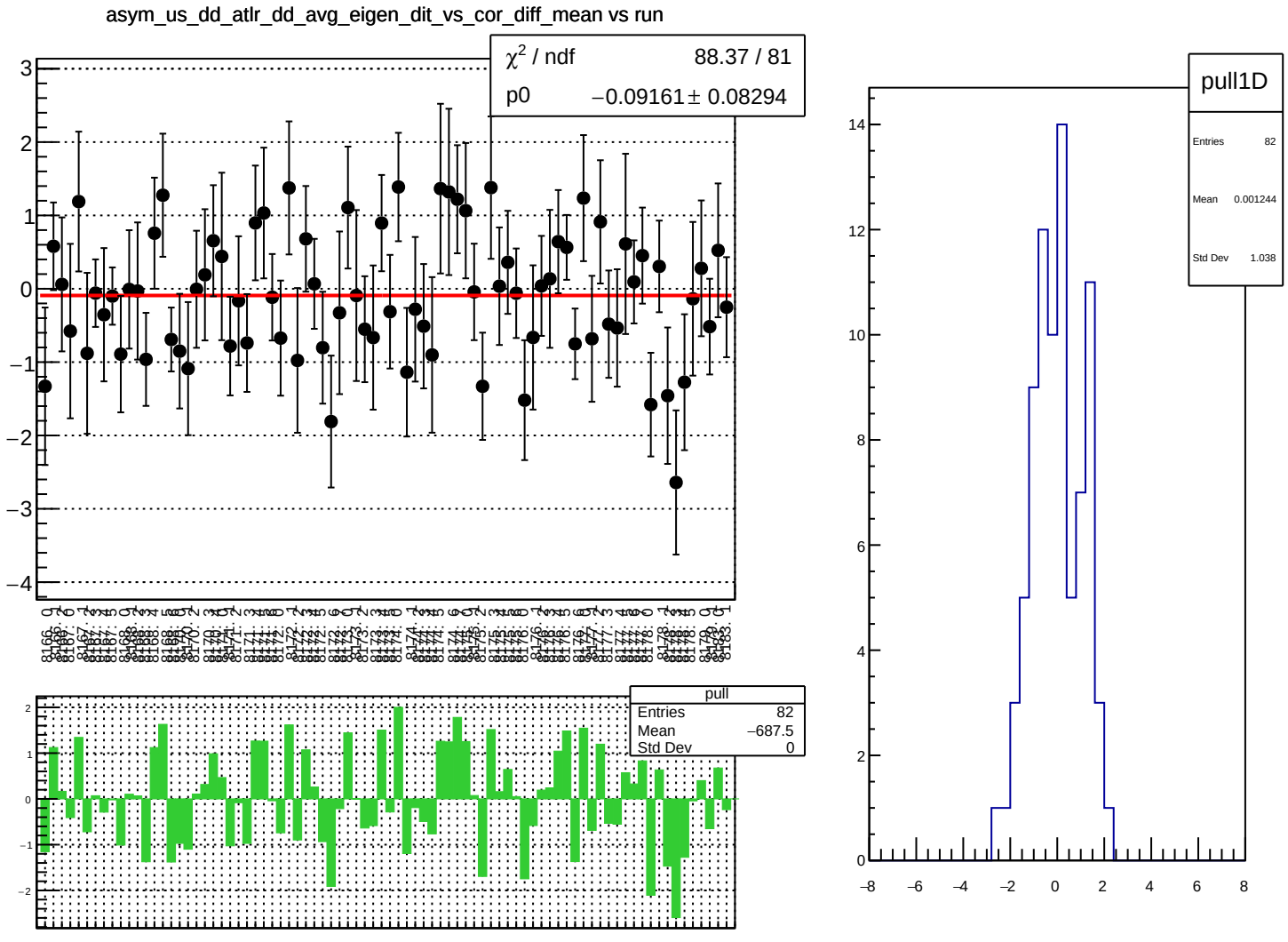

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.37 / 81
p0 −0.0916 ± 0.08294
pull
Entries 82
Mean −692.2
Std Dev 0
pull1D
Entries 82
Mean 0.001236
Std Dev 1.038

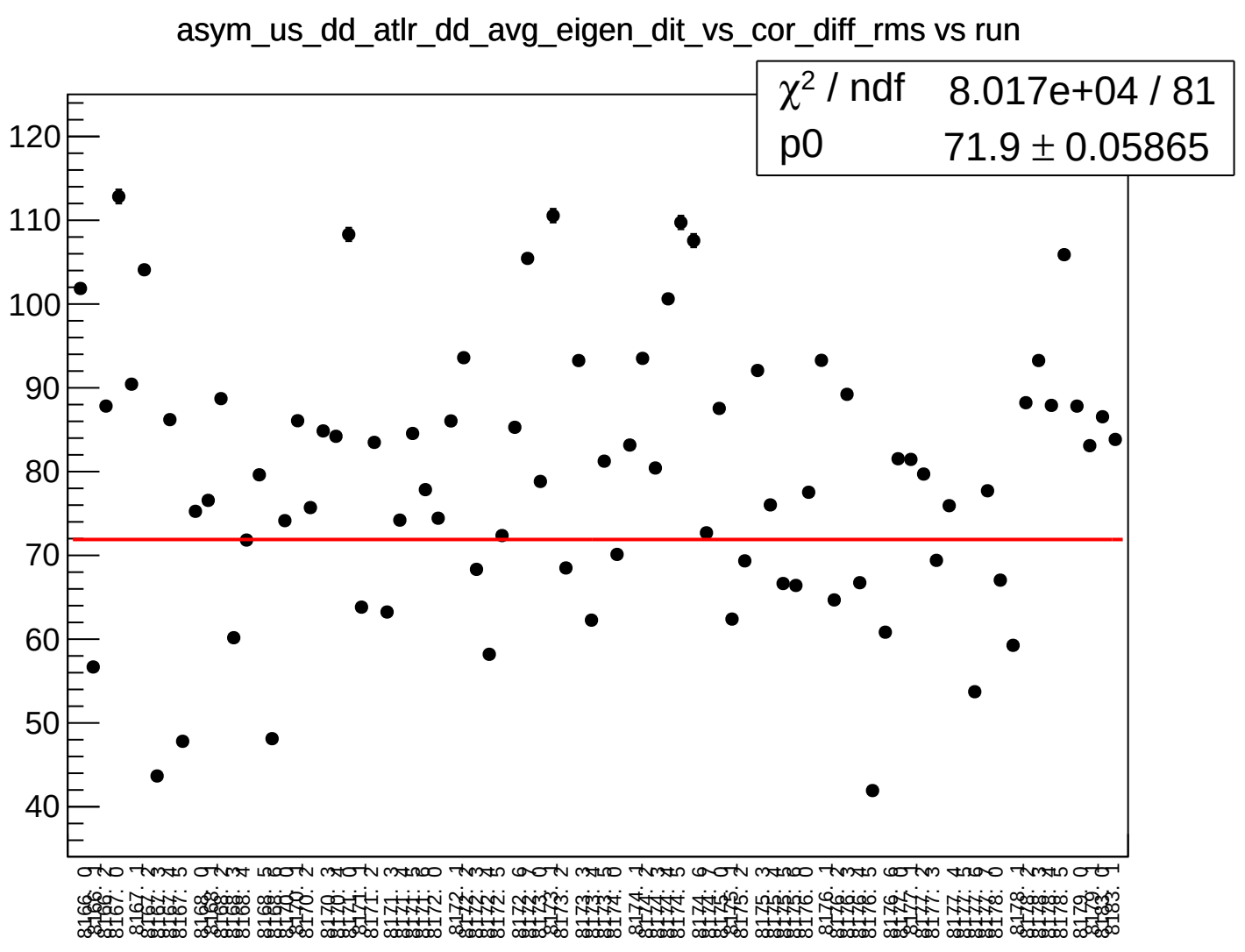

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.018e+04 / 81
p0 71.89 ± 0.05865
120
110
100
90
80
70
60
50
40

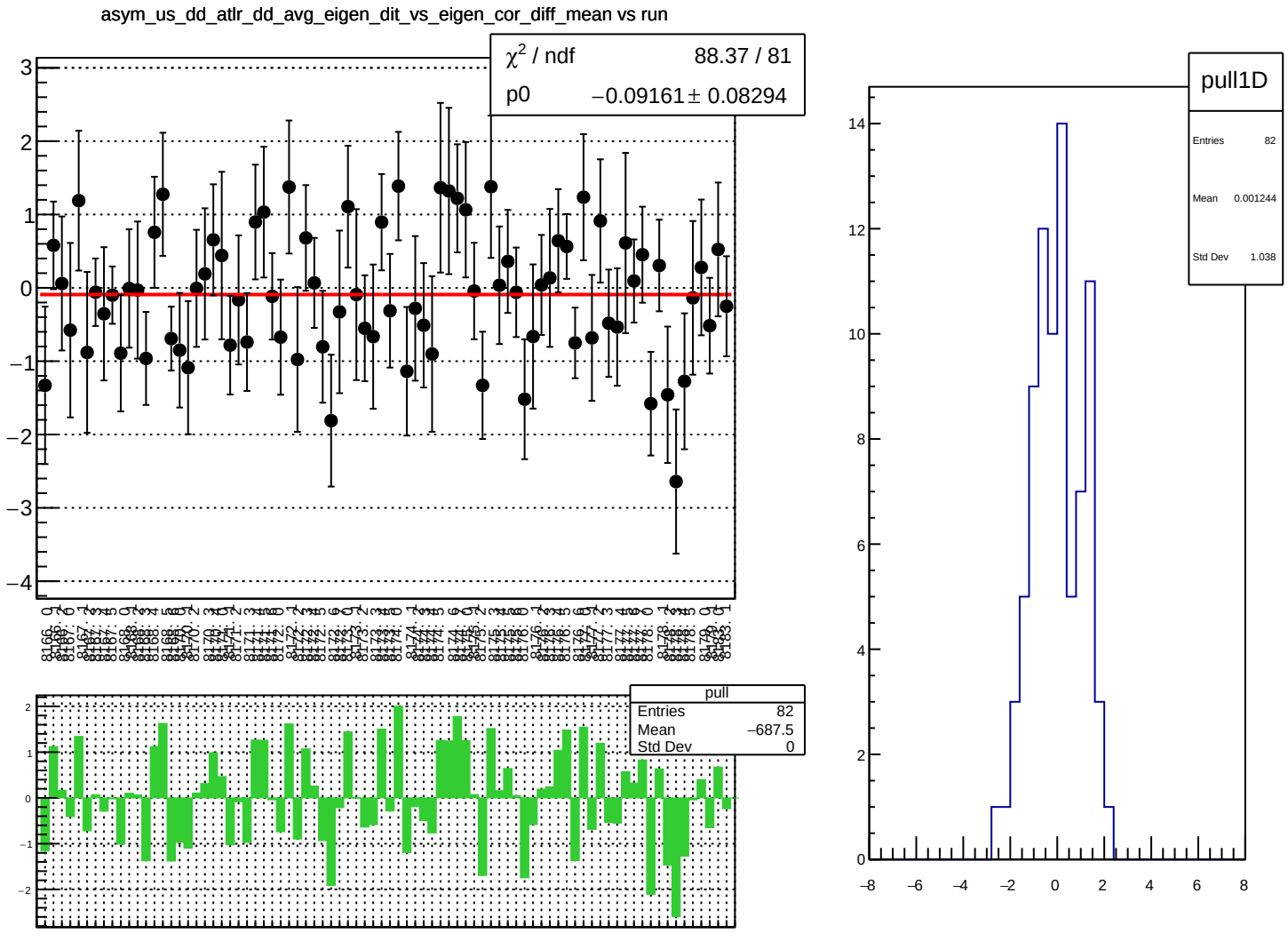

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 96.17 / 81
p0 −2.299e−06 ± 5.946e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 82
Mean 342.6
Std Dev 0
3
2
1
0
−1
−2

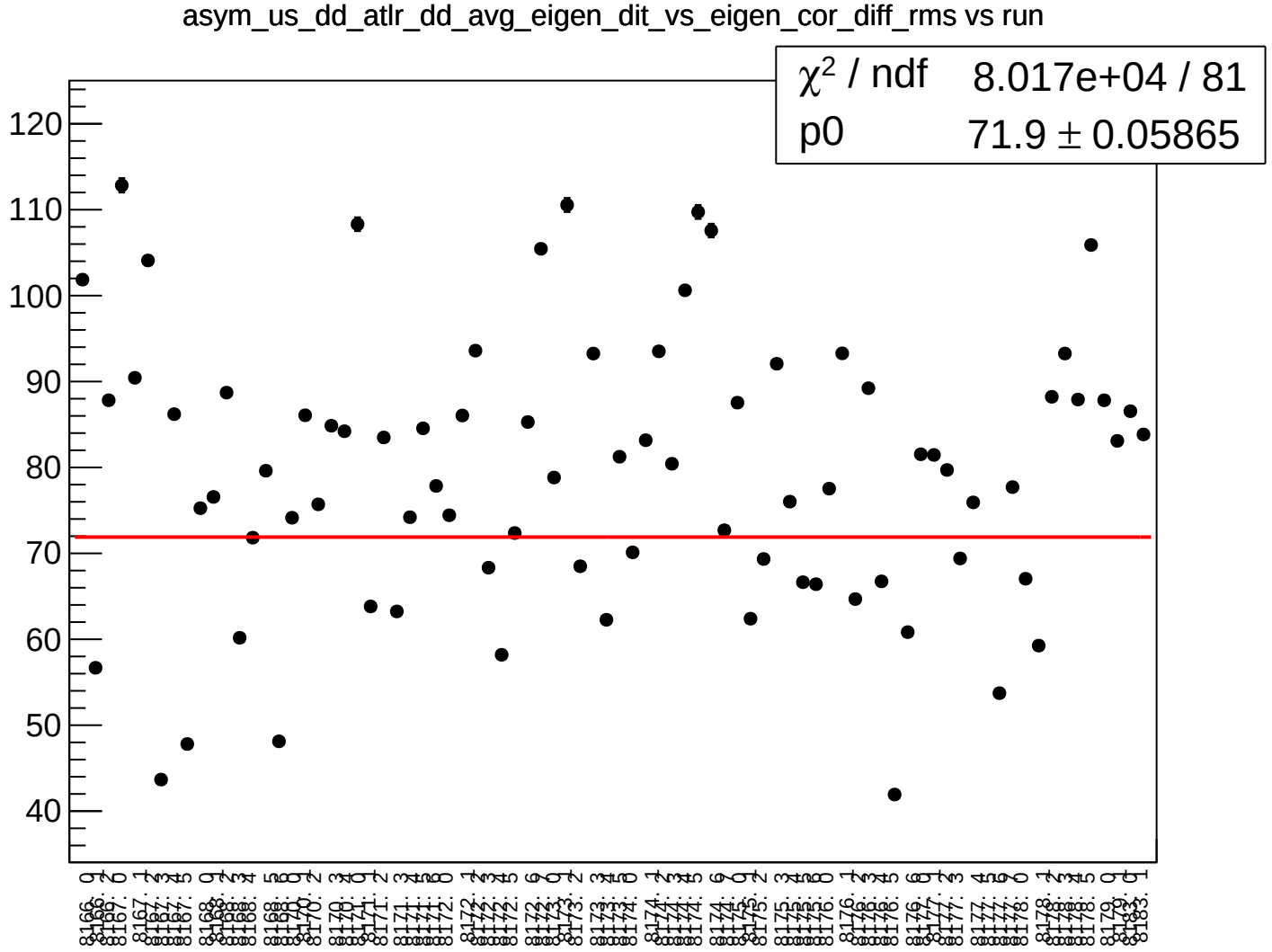

pull1D
Entries 82
Mean 0.002295
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

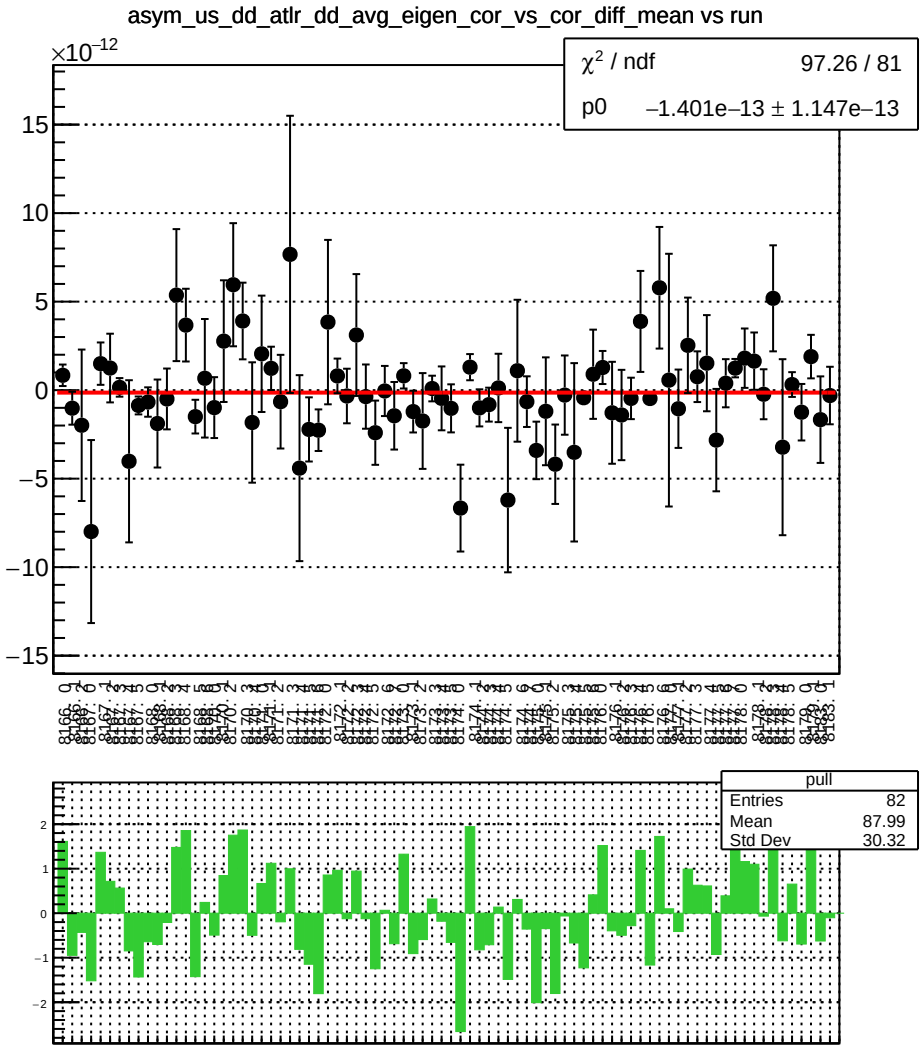

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1526 / 81
p0 0.005287 ± 4.204e−06
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005

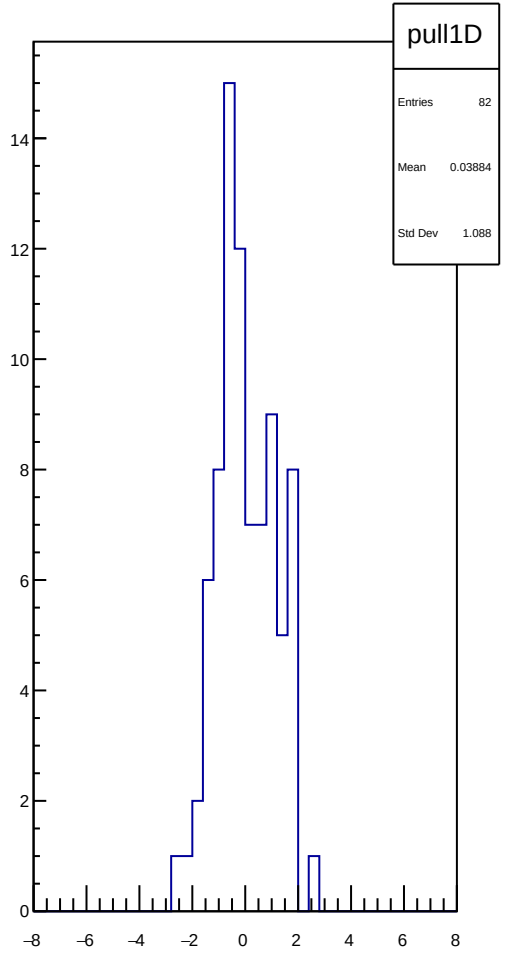

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.37 / 81
p0 −0.09161 ± 0.08294
pull
Entries 82
Mean −687.5
Std Dev 0
pull1D
Entries 82
Mean 0.001244
Std Dev 1.038

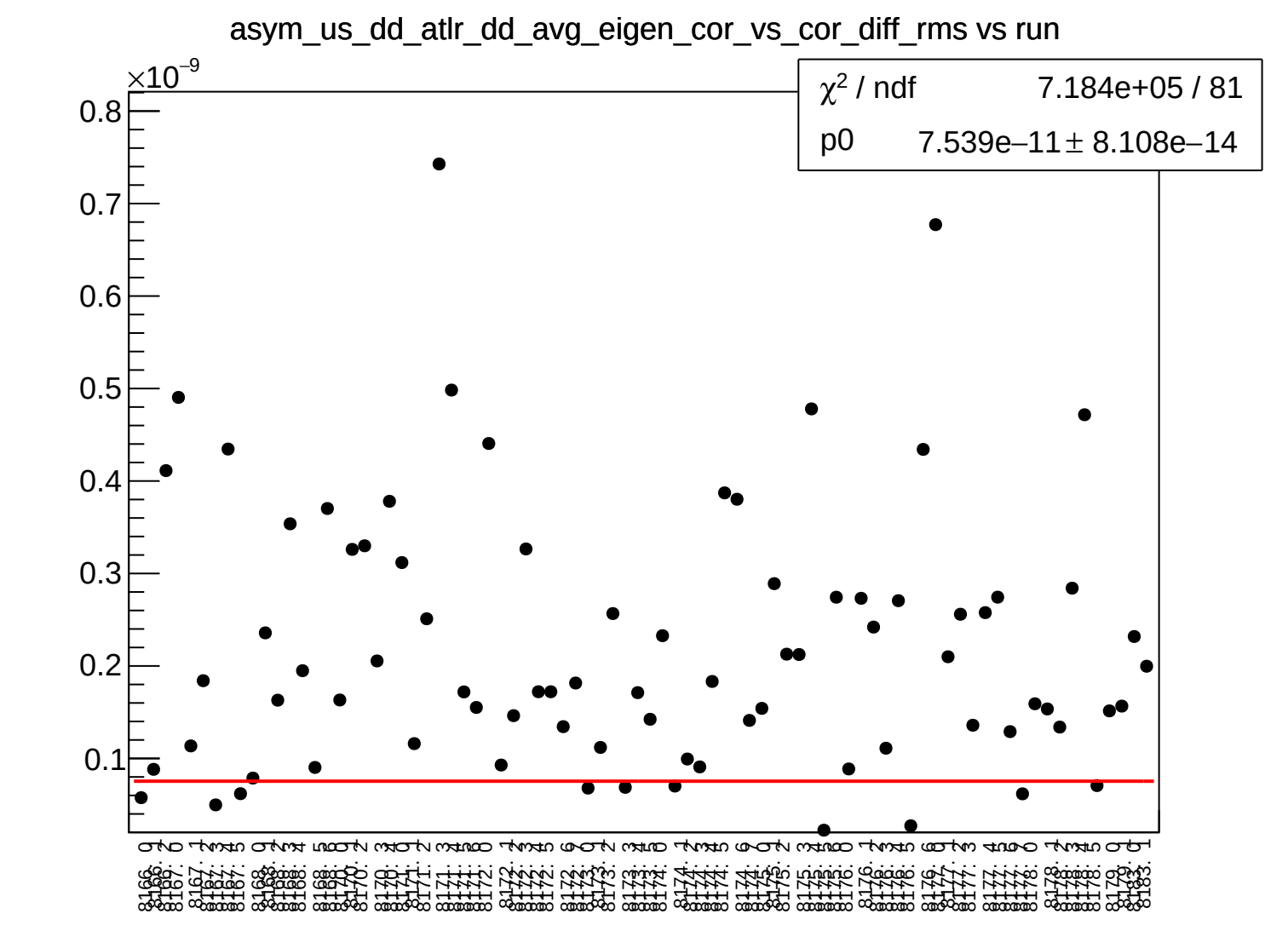

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.017e+04 / 81
p0 71.9 ± 0.05865
120
110
100
90
80
70
60
50
40

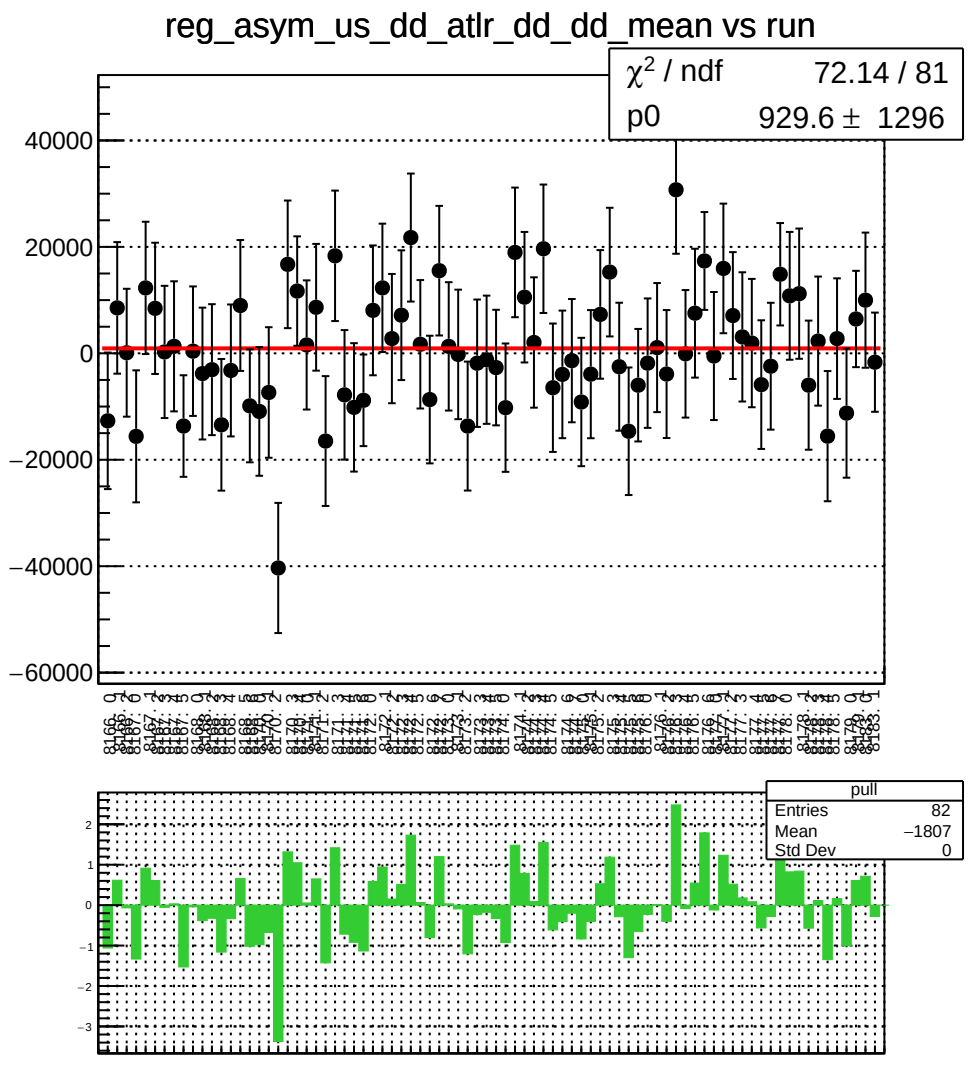

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.37 / 81
p0 −0.09161 ± 0.08294
pull
Entries 82
Mean −687.5
Std Dev 0
pull1D
Entries 82
Mean 0.001244
Std Dev 1.038

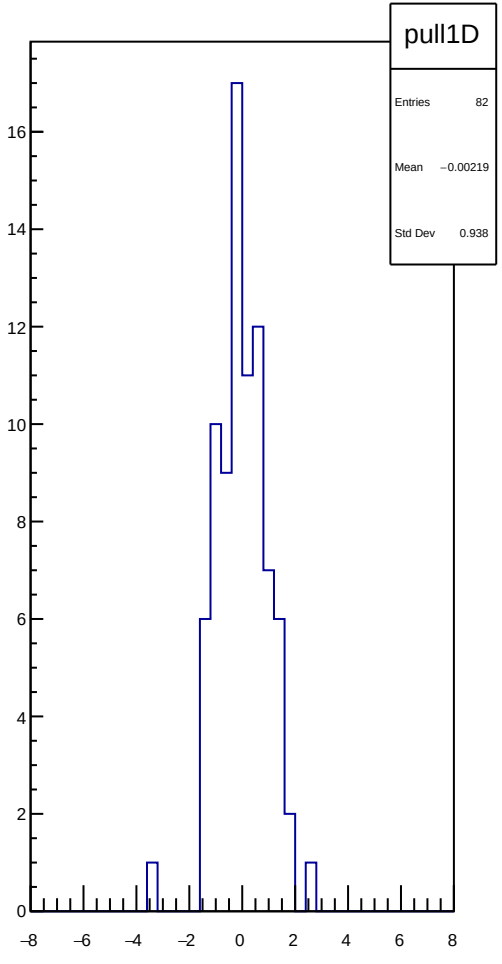

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.017e+04 / 81
p0 71.9 ± 0.05865
120
110
100
90
80
70
60
50
40

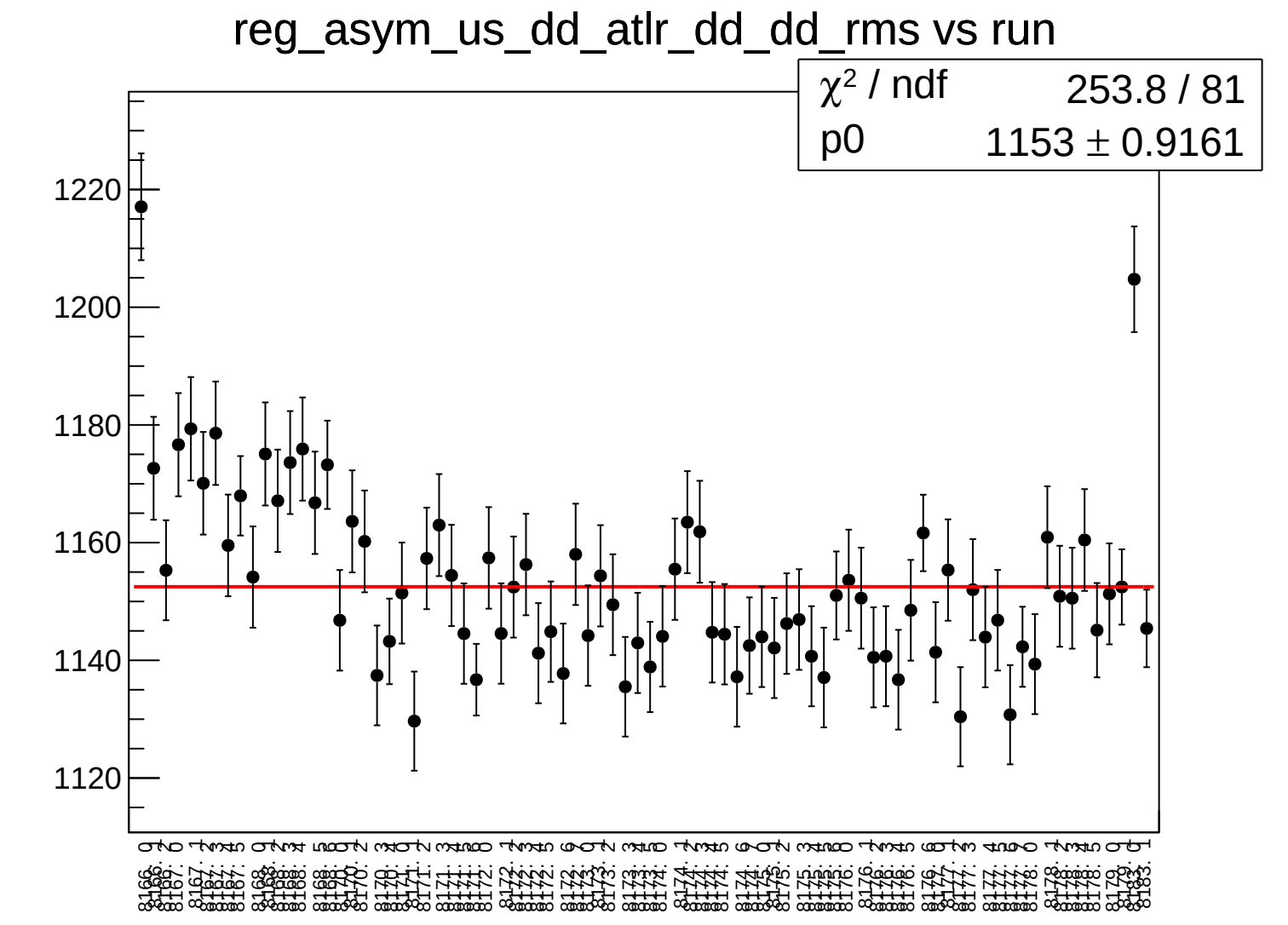

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.26 / 81
p0 −1.401e−13 ± 1.147e−13
pull
Entries 82
Mean 87.99
Std Dev 30.32

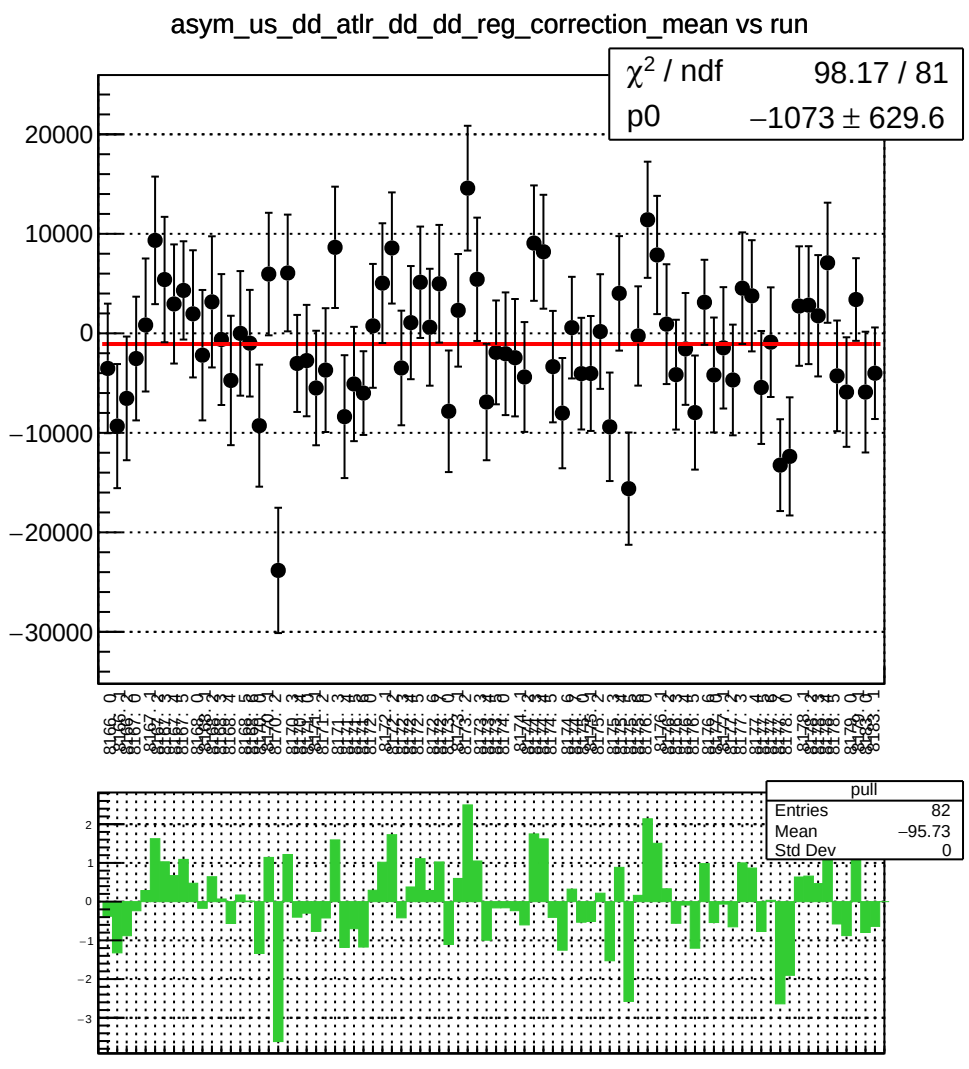

pull1D
Entries 82
Mean 0.03884
Std Dev 1.088

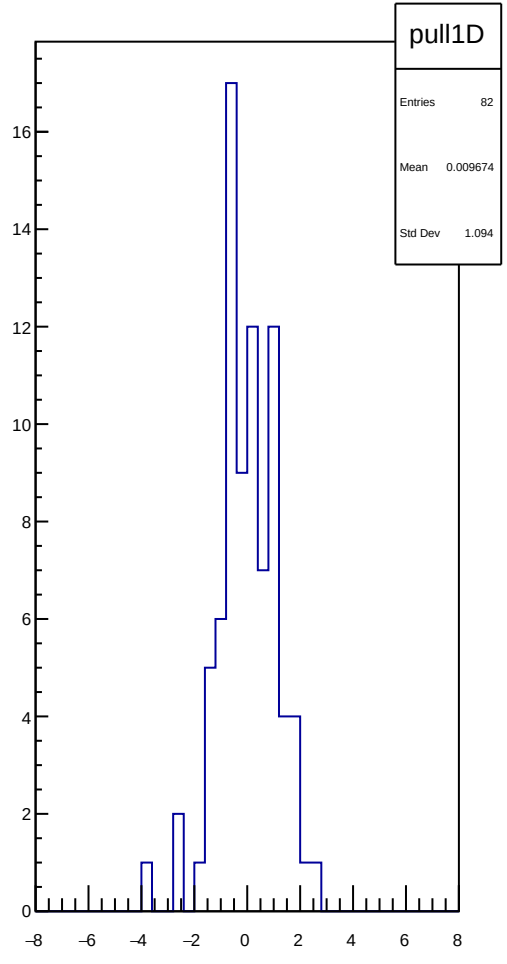

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.184e+05 / 81
p0 7.539e−11 ± 8.108e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

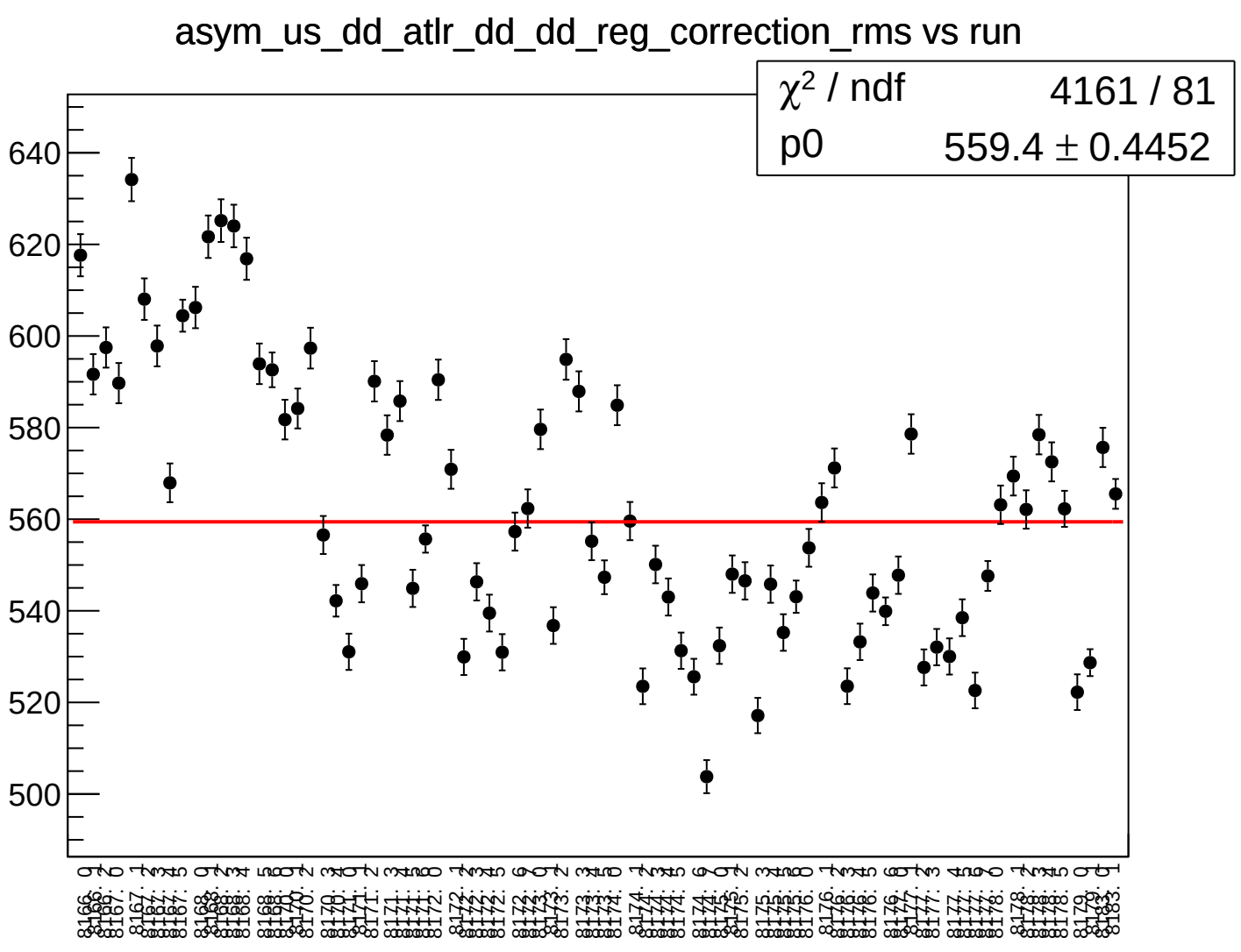

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.14 / 81
p0 929.6 ± 1296
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1807
Std Dev 0
2
1
0
−1
−2
−3

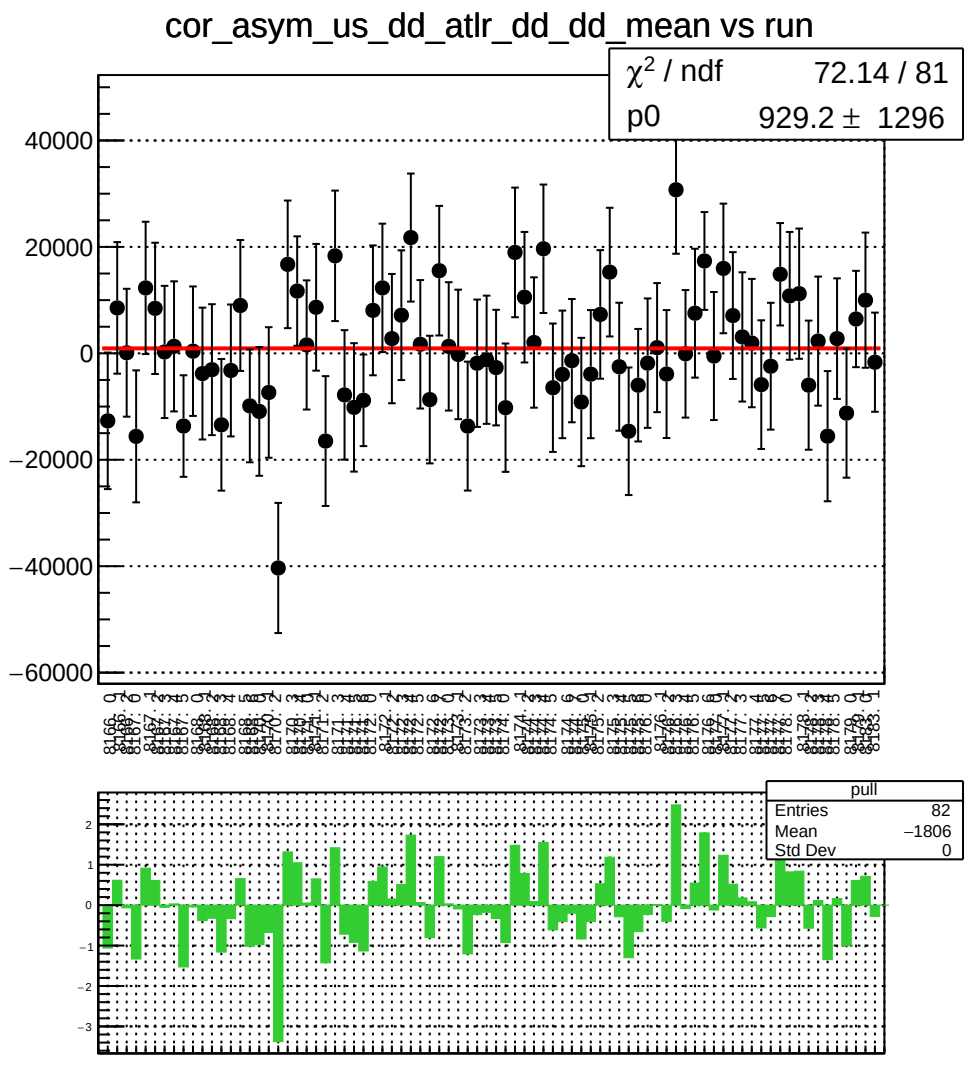

pull1D
Entries 82
Mean −0.00219
Std Dev 0.938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

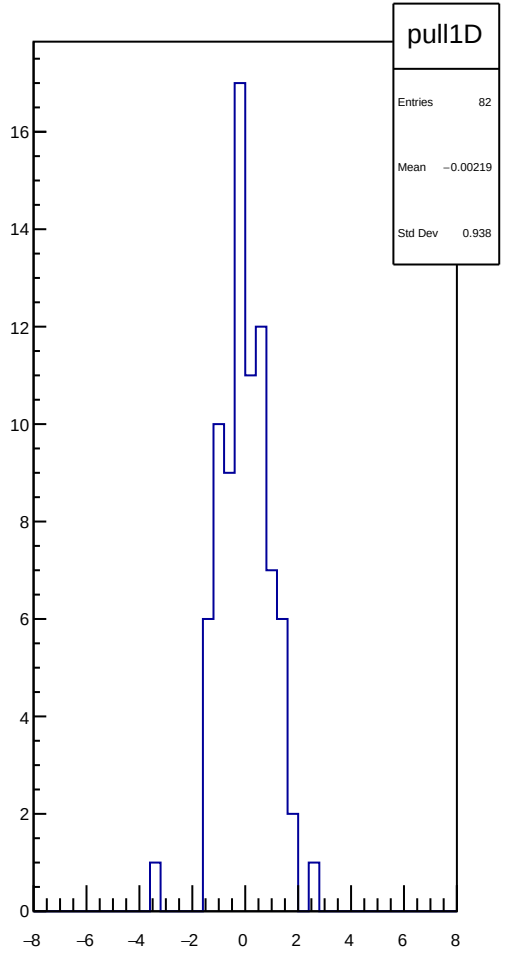

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 253.8 / 81
p0 1153 ± 0.9161
1220
1200
1180
1160
1140
1120

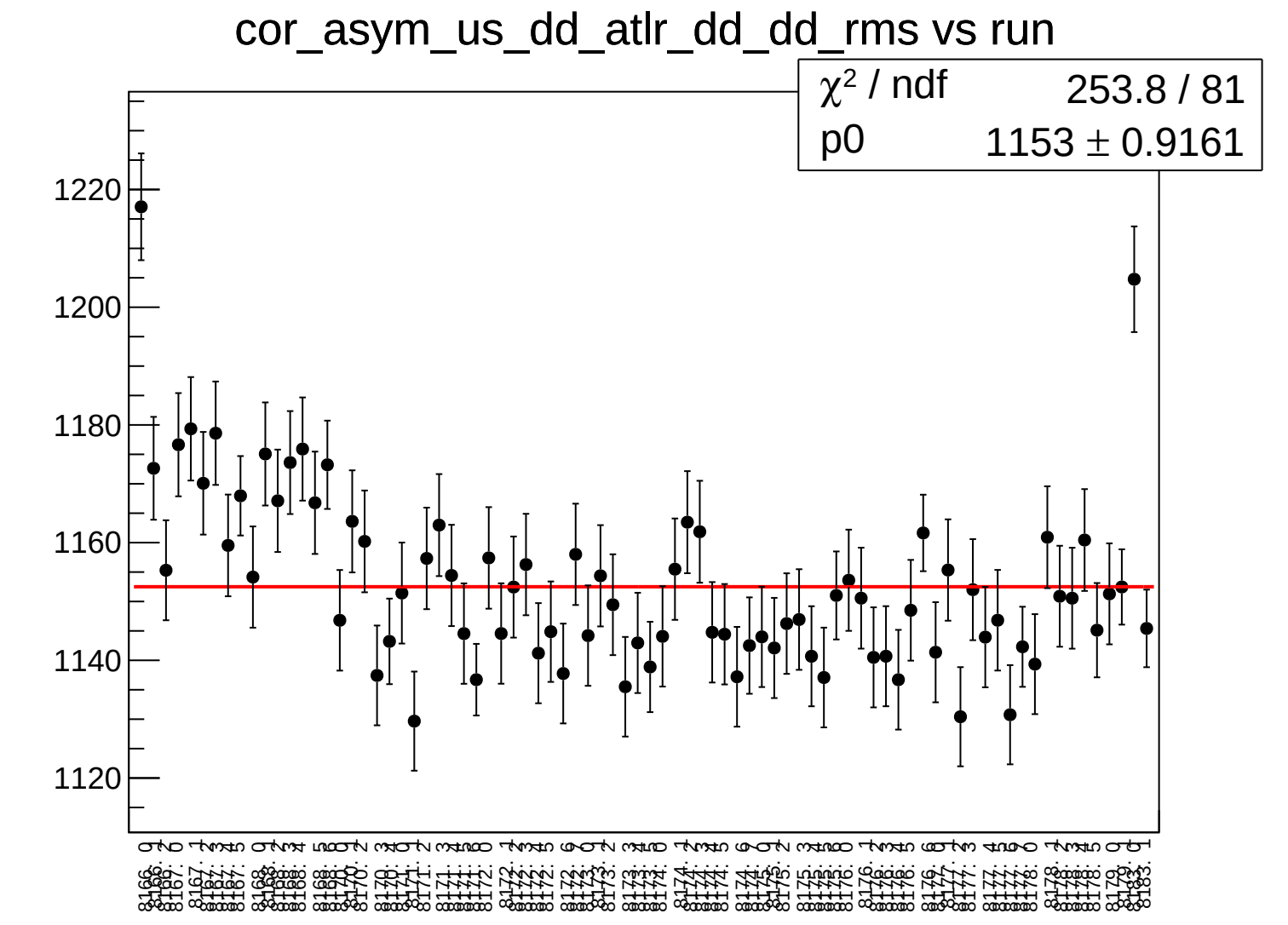

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 98.17 / 81
p0 −1073 ± 629.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −95.73
Std Dev 0
2
1
0
−1
−2
−3

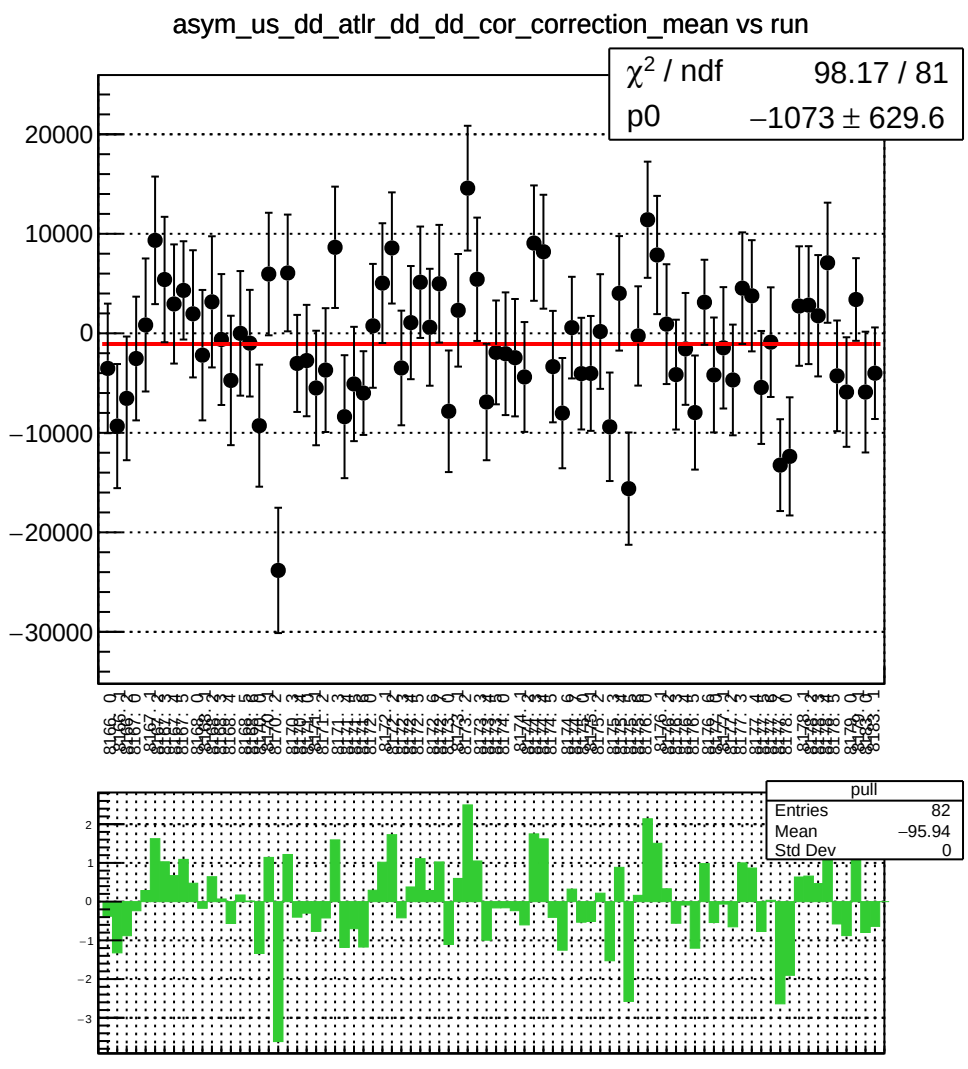

pull1D
Entries 82
Mean 0.009674
Std Dev 1.094
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

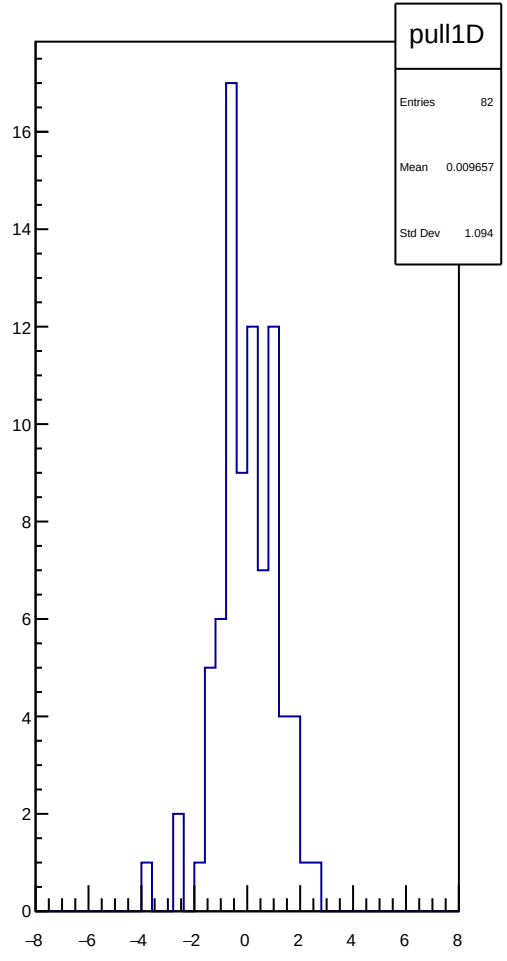

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 4161 / 81
p0 559.4 ± 0.4452
640
620
600
580
560
540
520
500

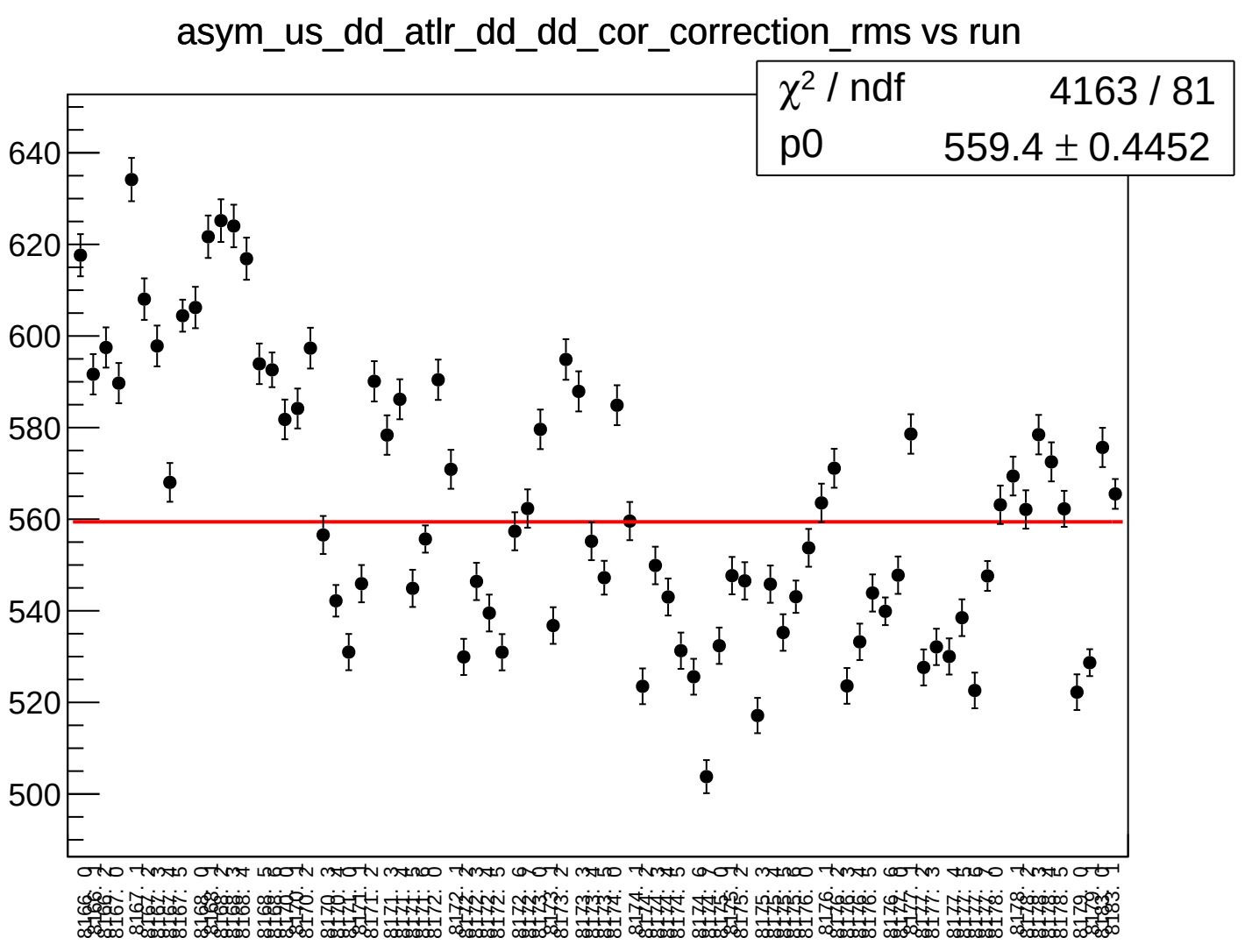

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.14 / 81
p0 929.2 ± 1296
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1806
Std Dev 0
2
1
0
−1
−2
−3

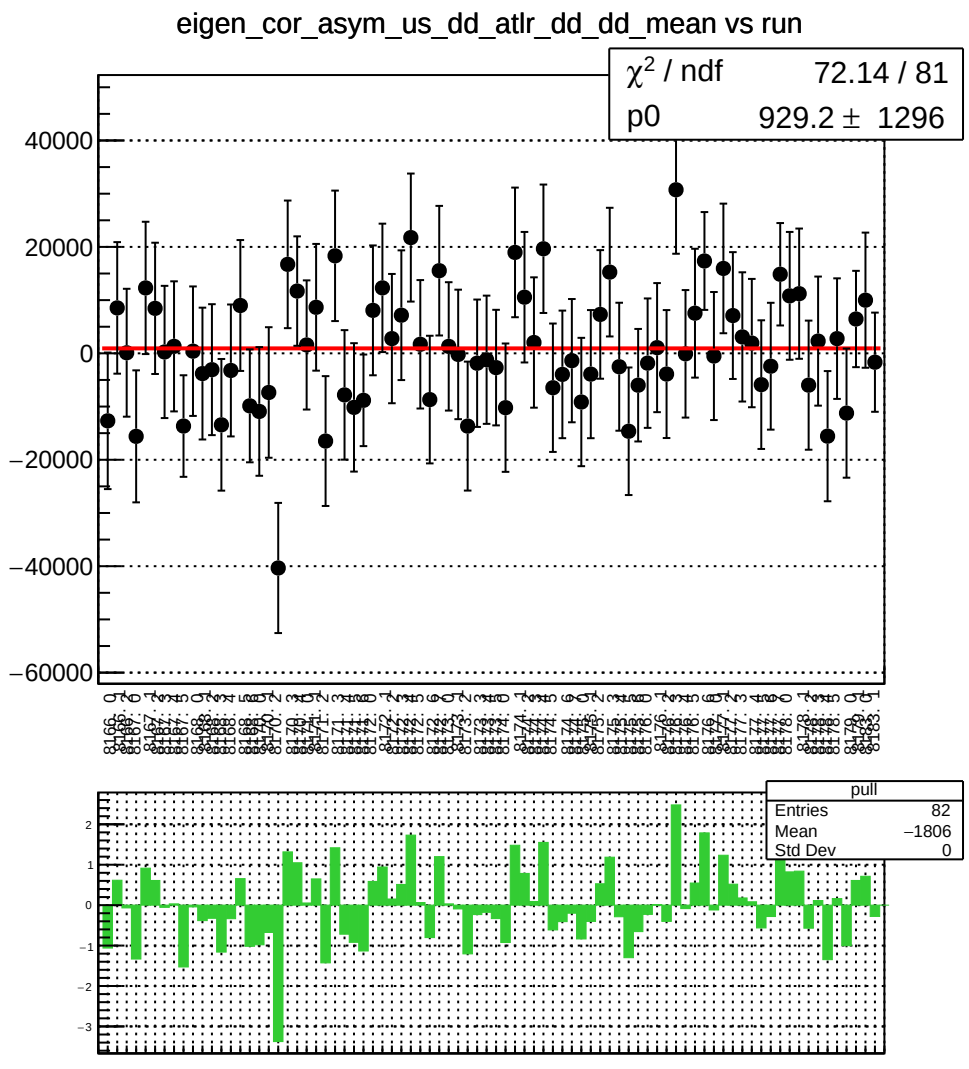

pull1D
Entries 82
Mean −0.00219
Std Dev 0.938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

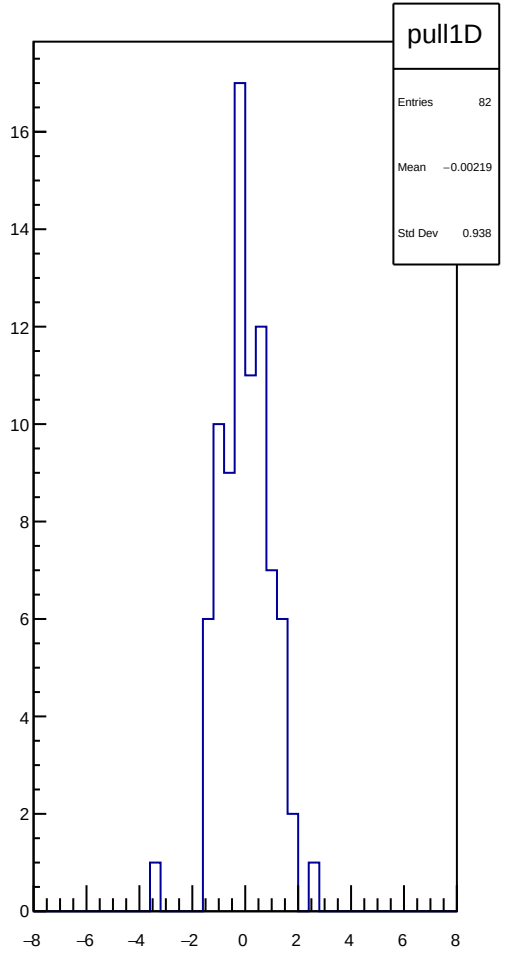

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 253.8 / 81
p0 1153 ± 0.9161
1220
1200
1180
1160
1140
1120

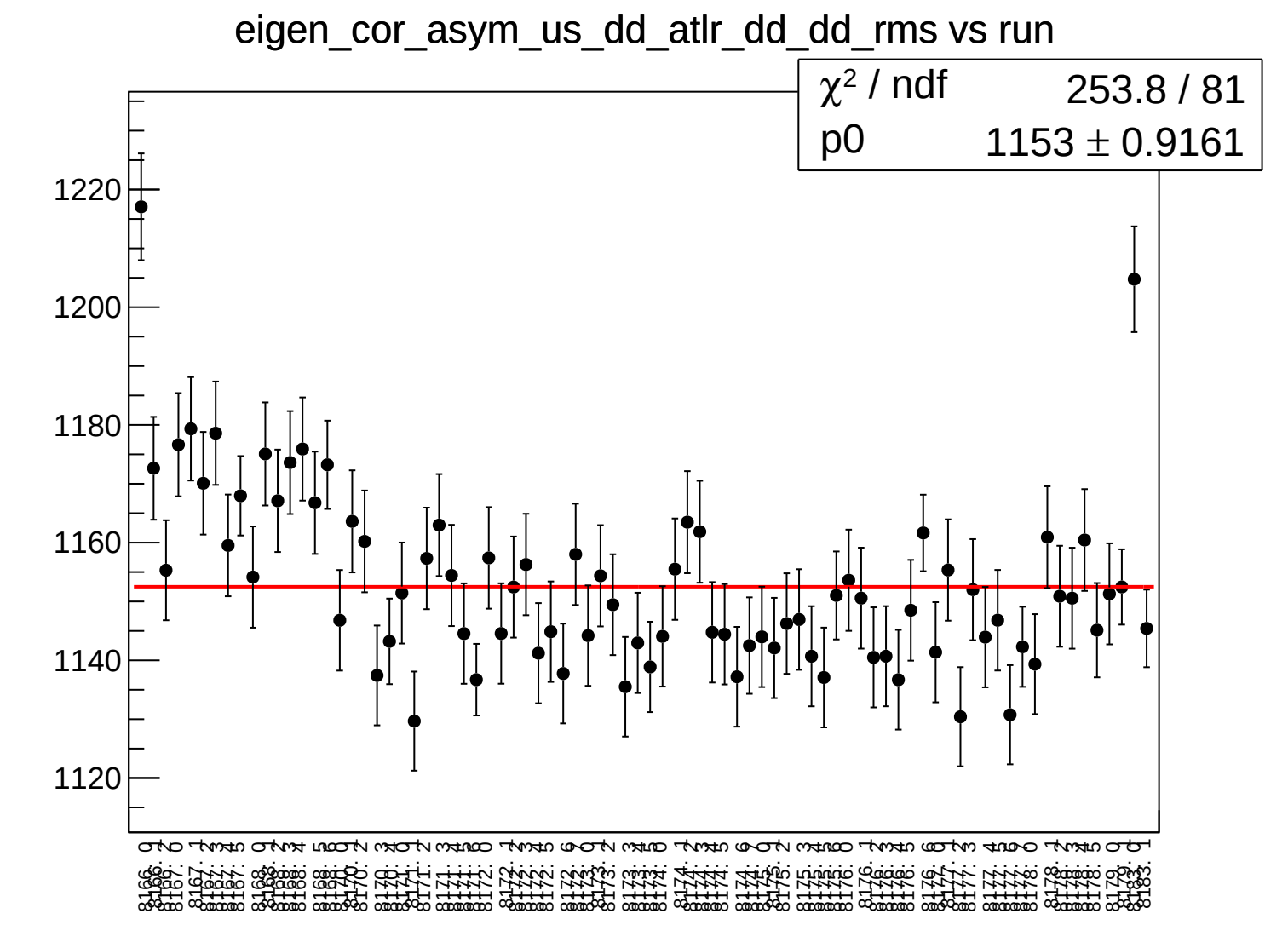

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 98.17 / 81
p0 −1073 ± 629.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −95.94
Std Dev 0
2
1
0
−1
−2
−3

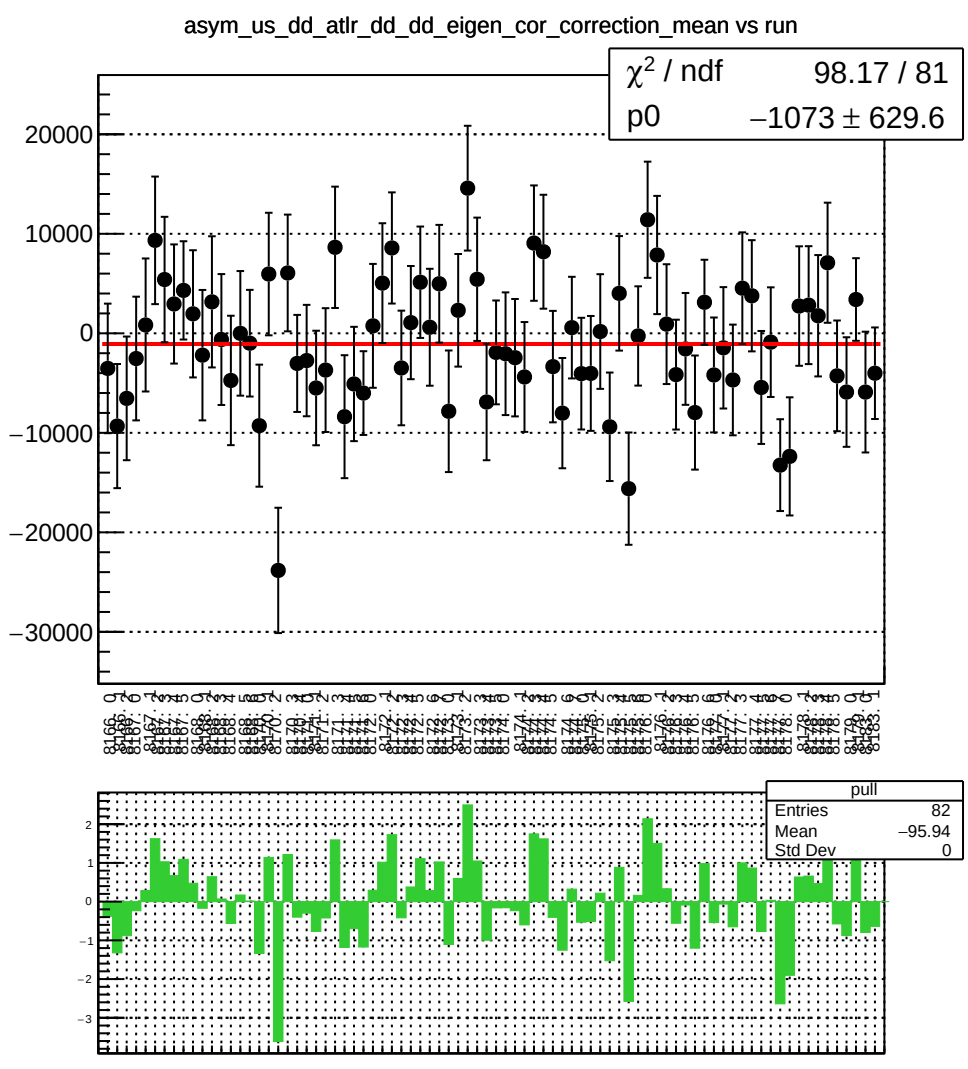

pull1D
Entries 82
Mean 0.009657
Std Dev 1.094
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

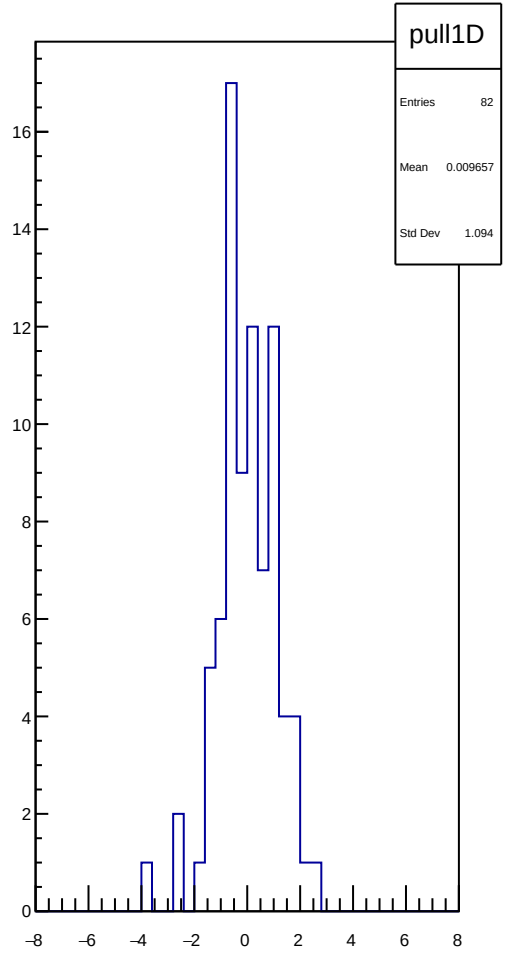

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 4163 / 81
p0 559.4 ± 0.4452
640
620
600
580
560
540
520
500

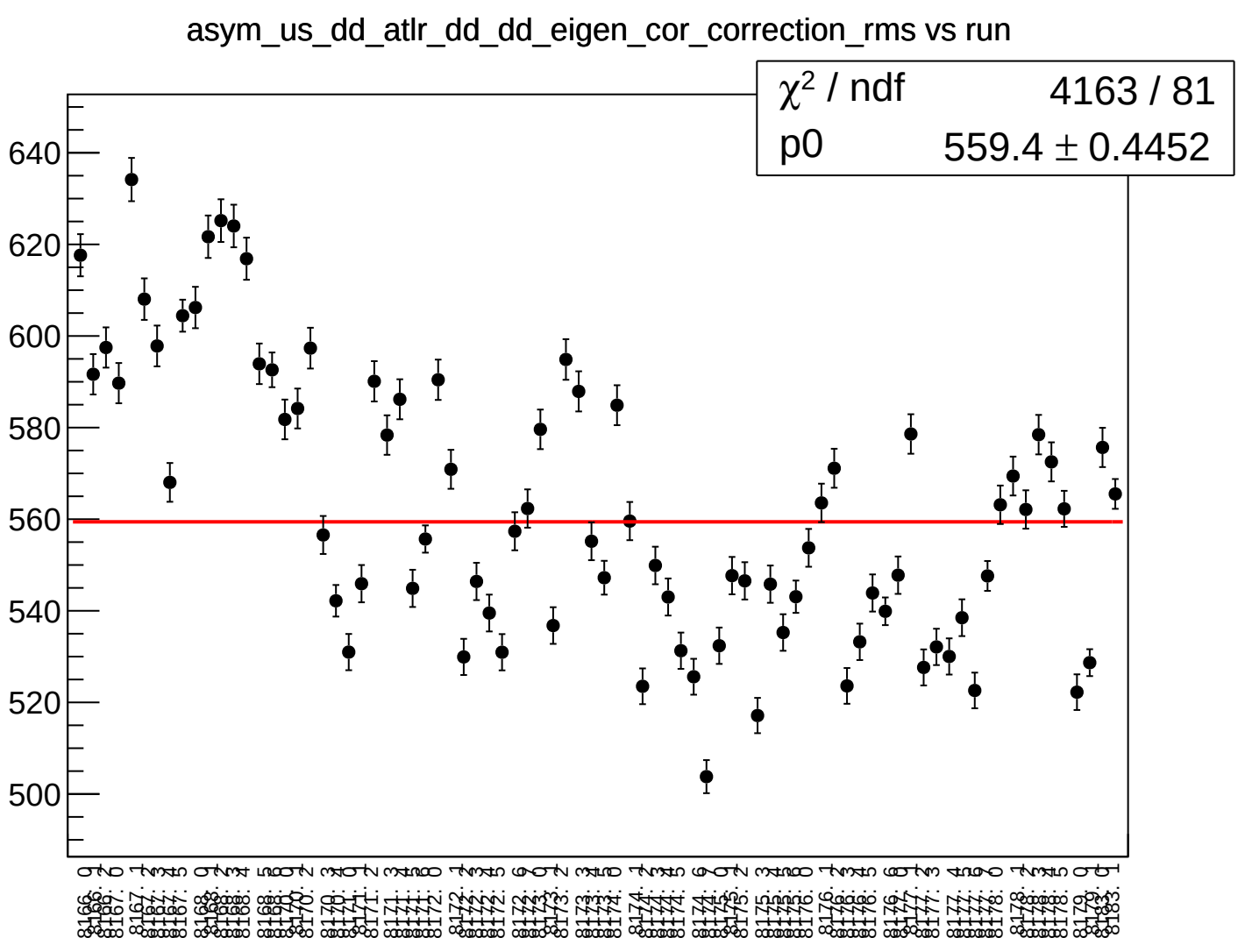

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.14 / 81
p0 929.2 ± 1296
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1806
Std Dev 0
2
1
0
−1
−2
−3

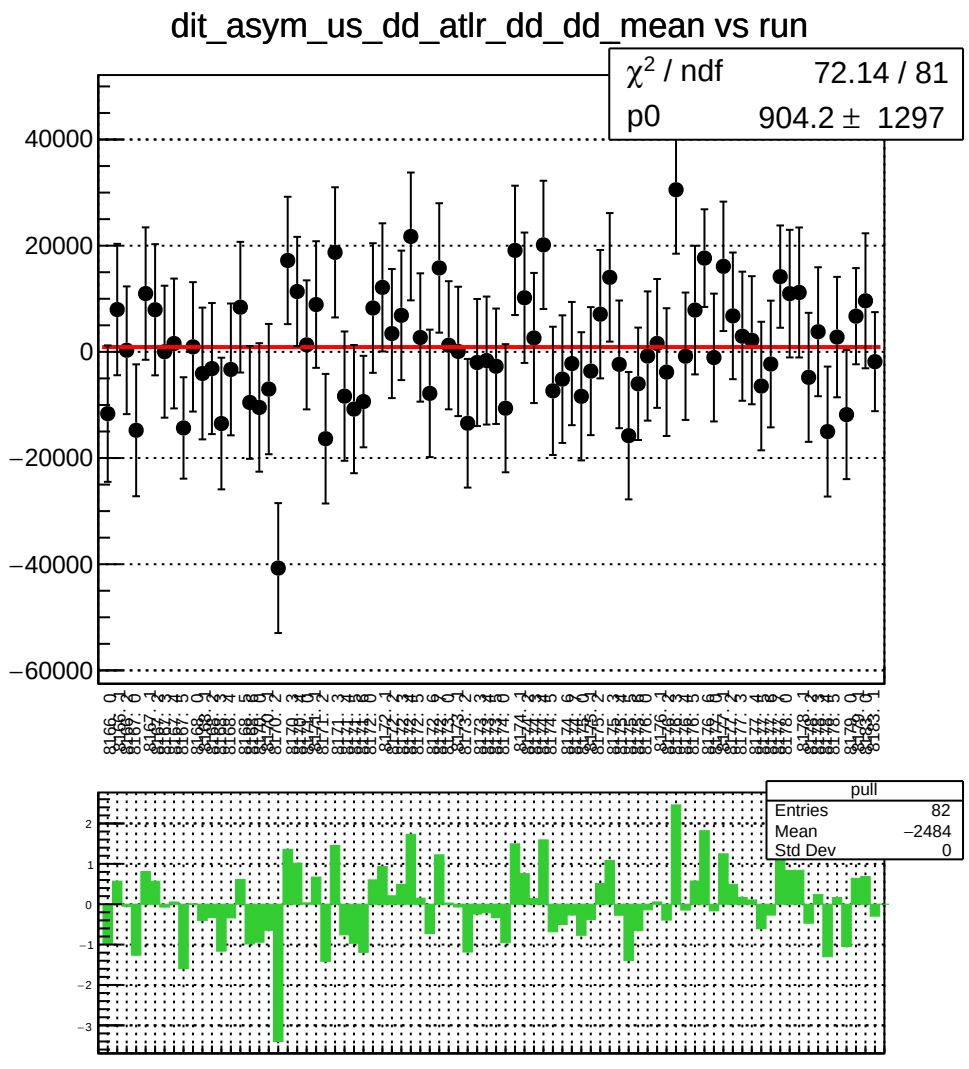

pull1D
Entries 82
Mean −0.00219
Std Dev 0.938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

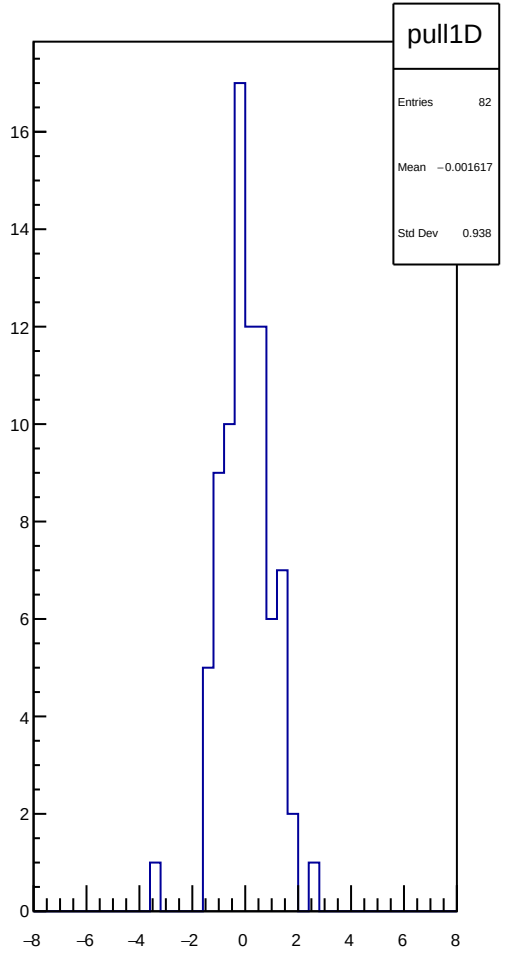

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 253.8 / 81
p0 1153 ± 0.9161
1220
1200
1180
1160
1140
1120

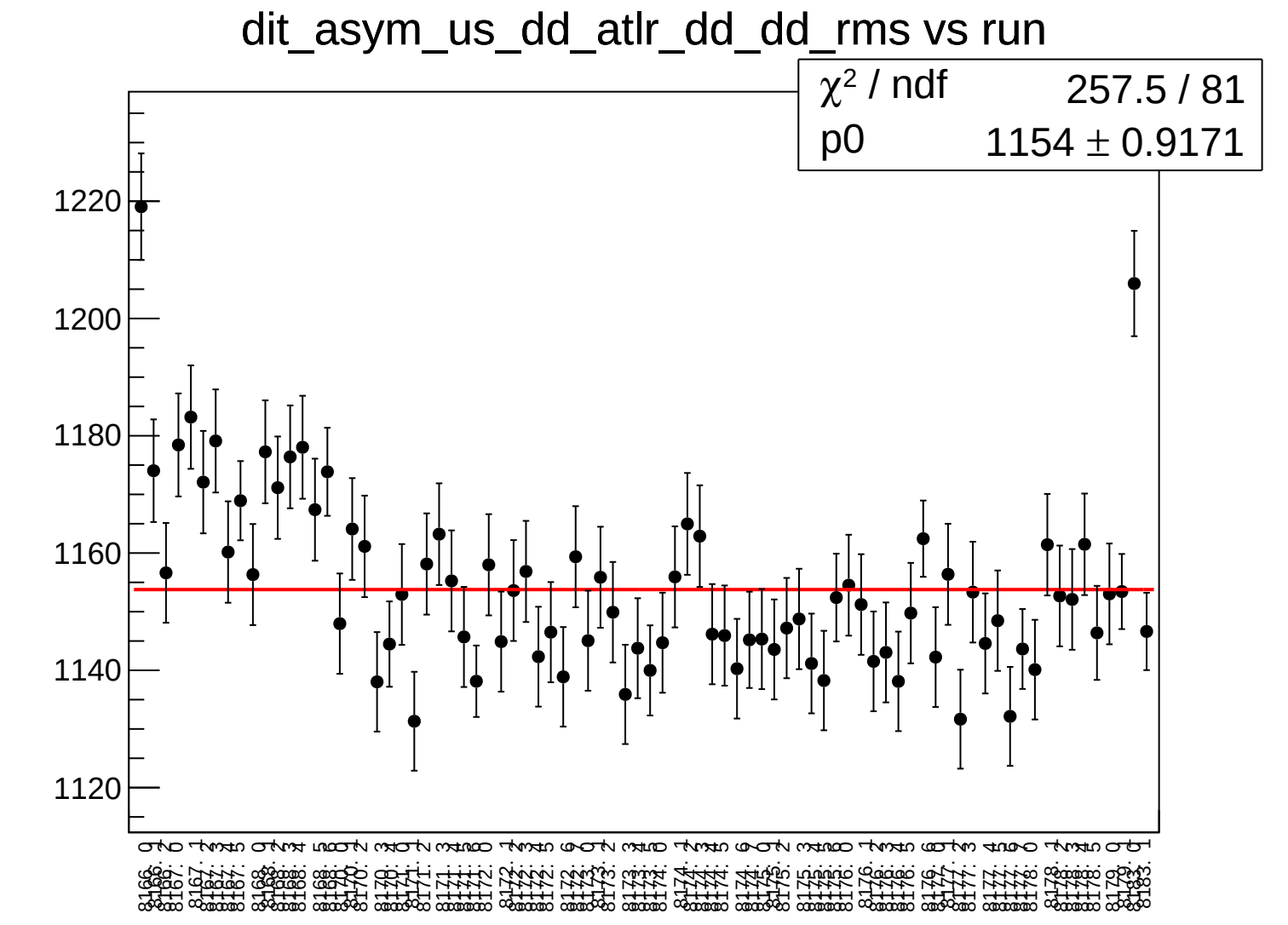

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 98.17 / 81
p0 −1073 ± 629.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −95.94
Std Dev 0
2
1
0
−1
−2
−3

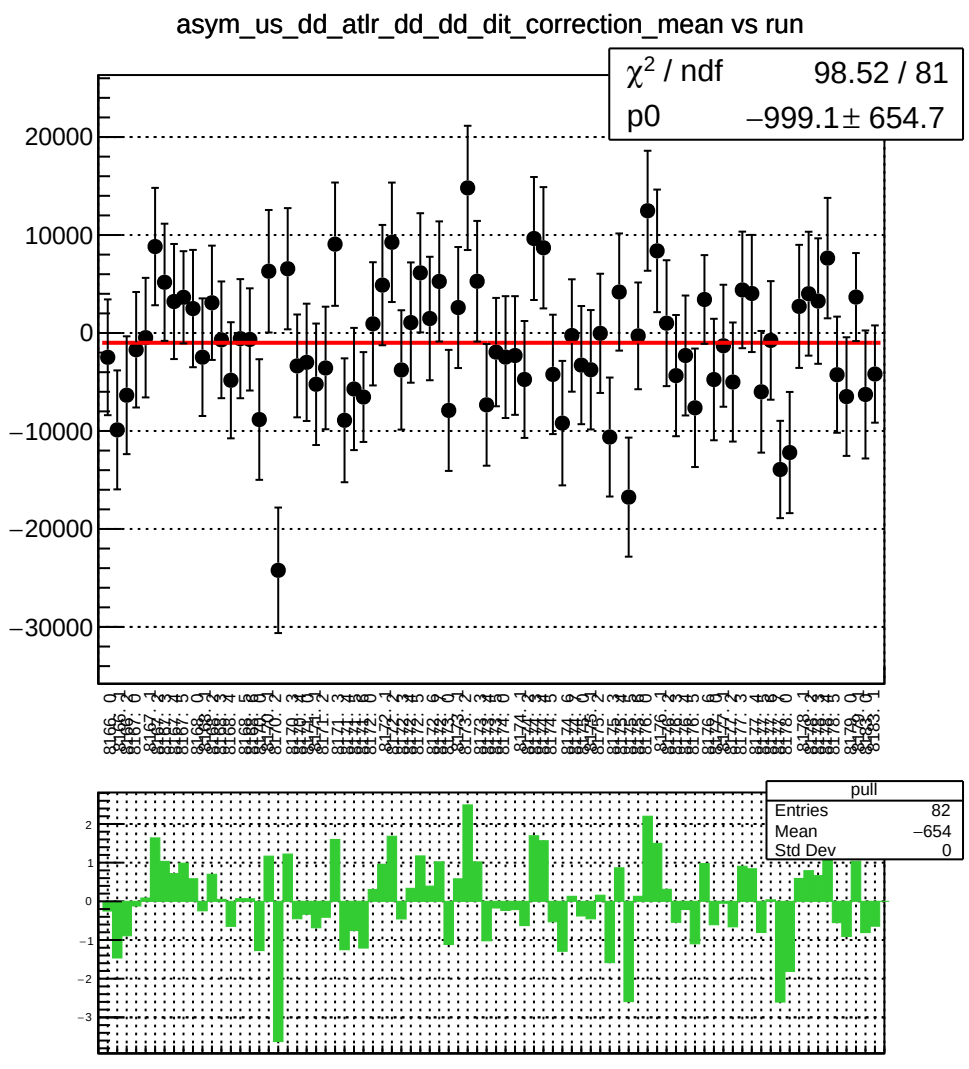

pull1D
Entries 82
Mean 0.009657
Std Dev 1.094
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

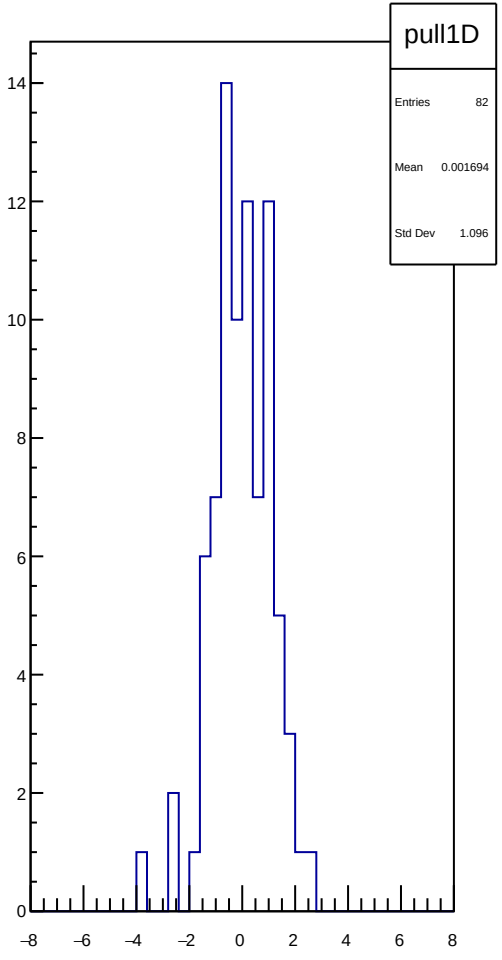

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4163 / 81
p0 559.4 ± 0.4452
640
620
600
580
560
540
520
500

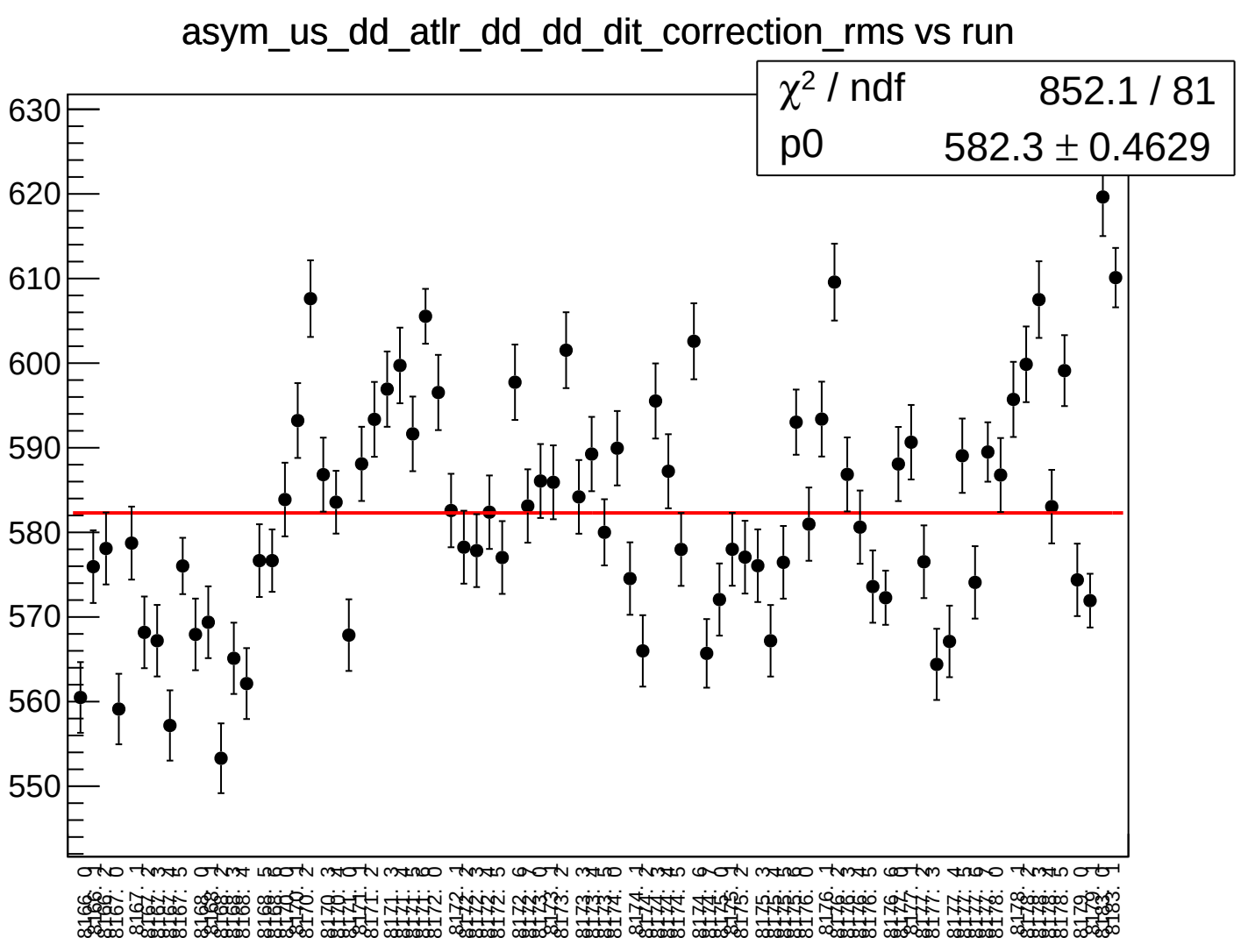

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.14 / 81
p0 904.2 ± 1297
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −2484
Std Dev 0
2
1
0
−1
−2
−3

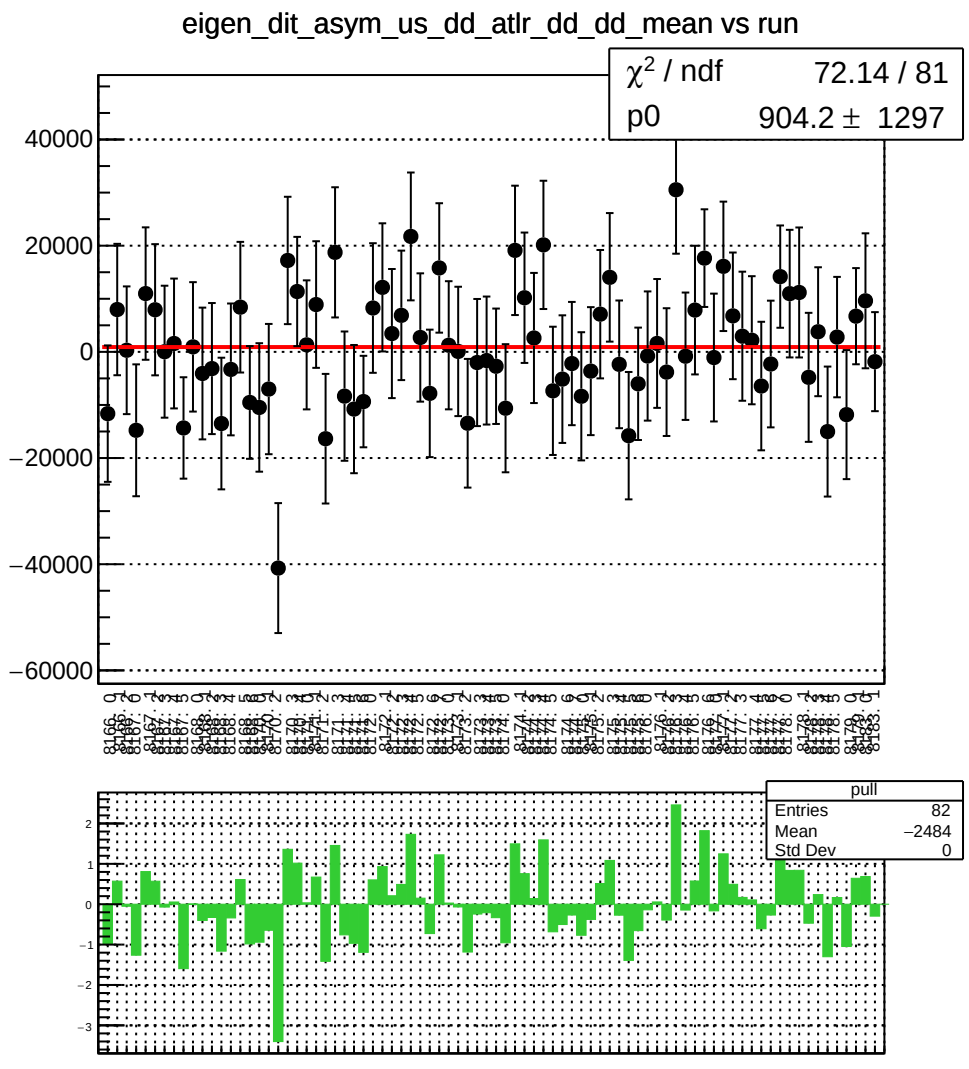

pull1D
Entries 82
Mean −0.001617
Std Dev 0.938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

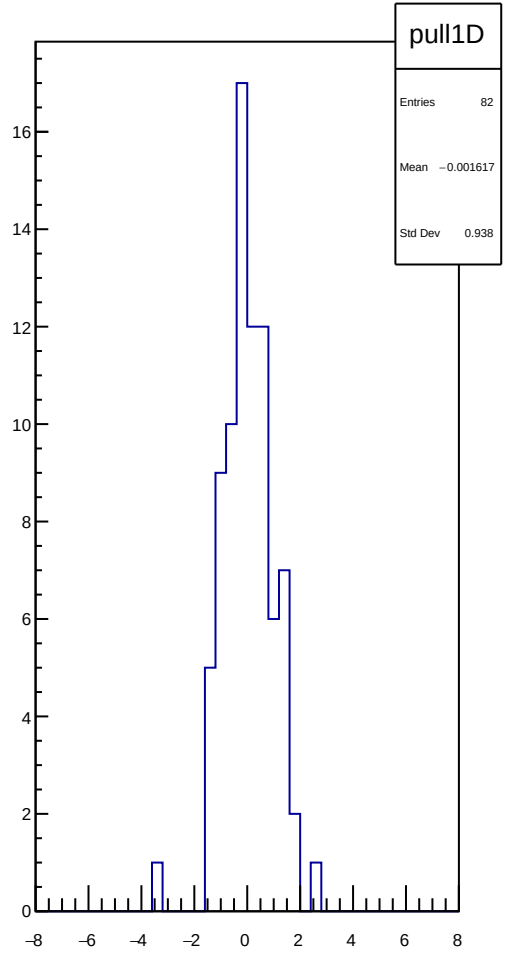

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 257.5 / 81
p0 1154 ± 0.9171
1220
1200
1180
1160
1140
1120

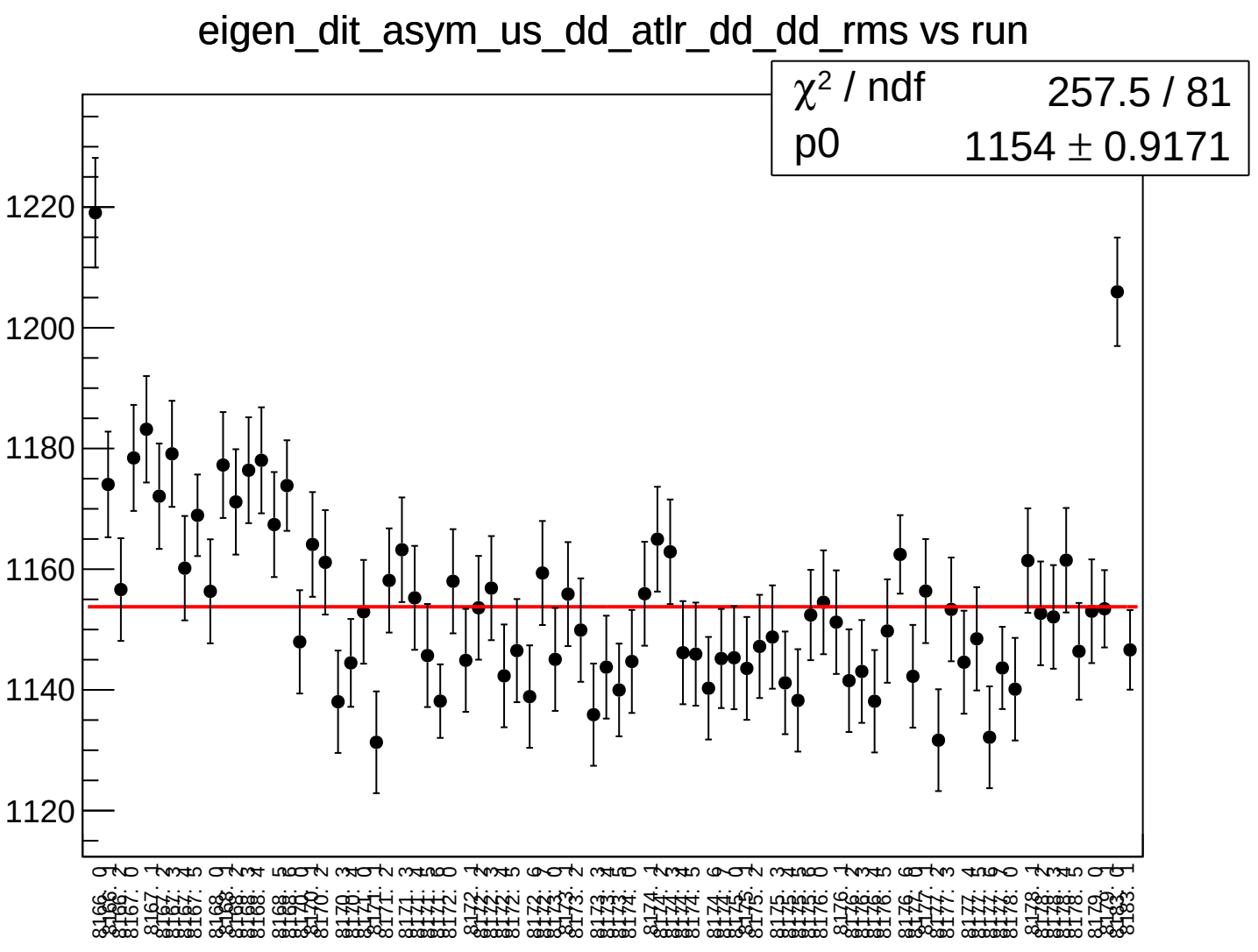

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 98.52 / 81
p0 −999.1± 654.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −654
Std Dev 0
2
1
0
−1
−2
−3

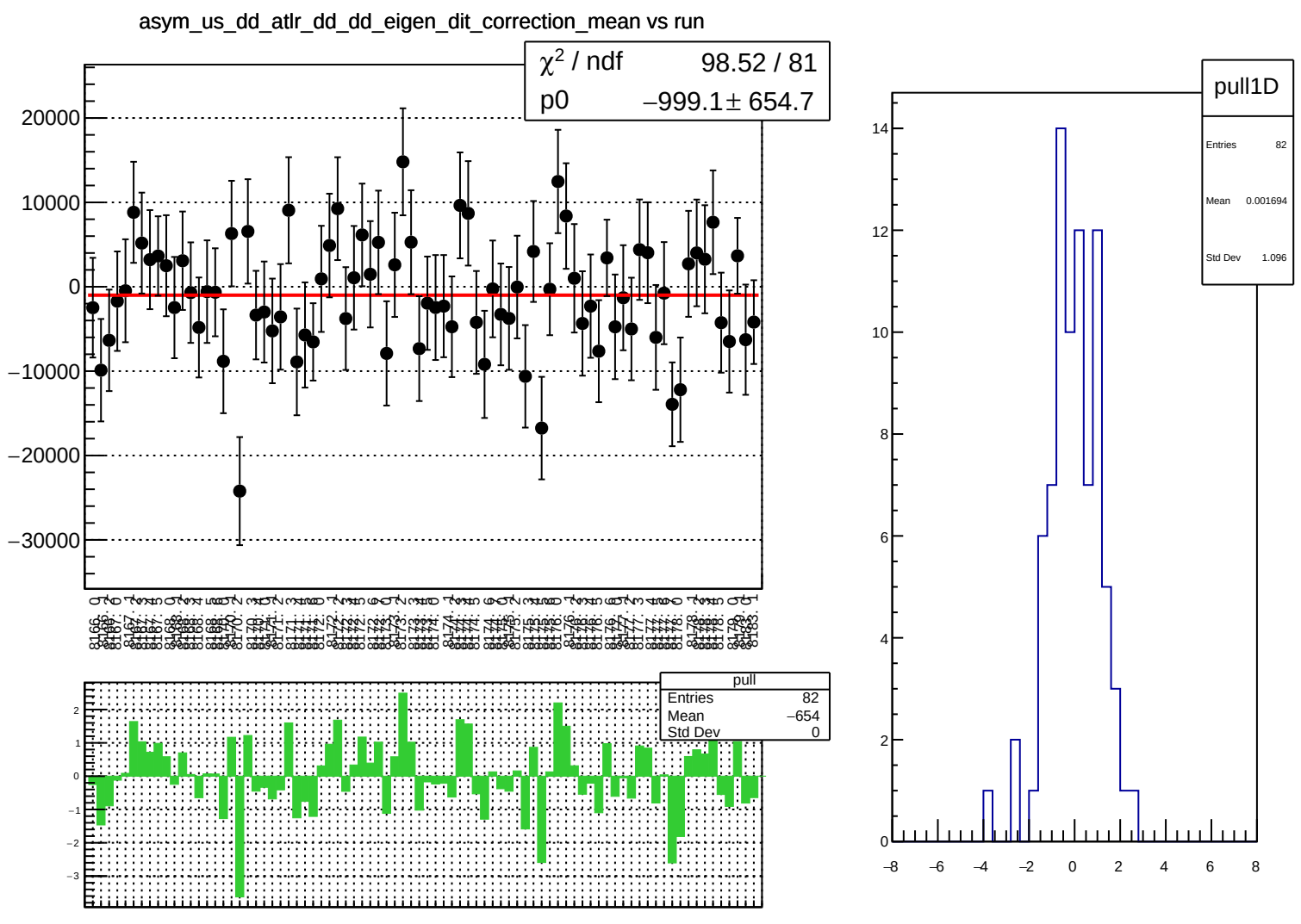

pull1D
Entries 82
Mean 0.001694
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

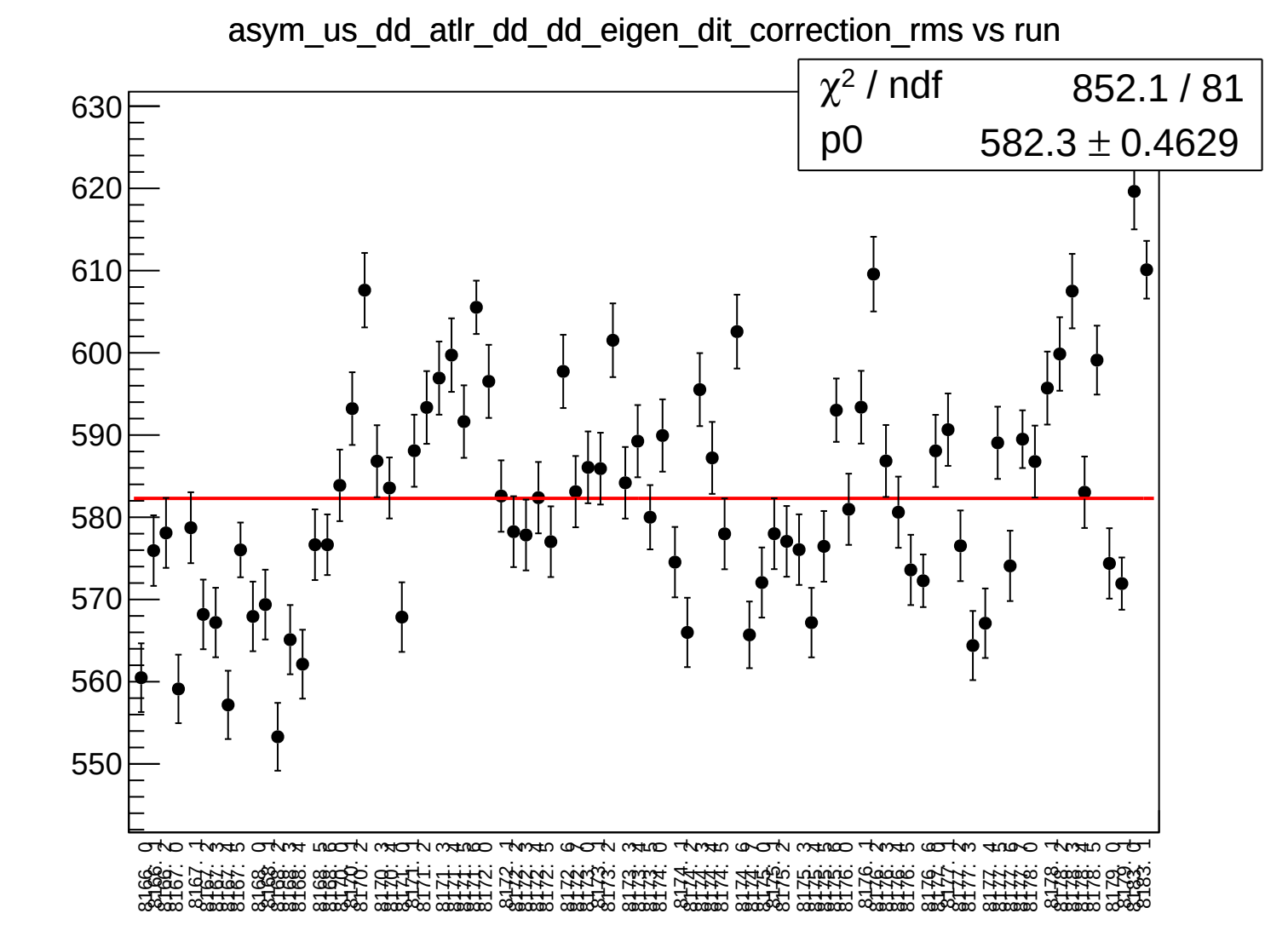

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 852.1 / 81
p0 582.3 ± 0.4629
630
620
610
600
590
580
570
560
550

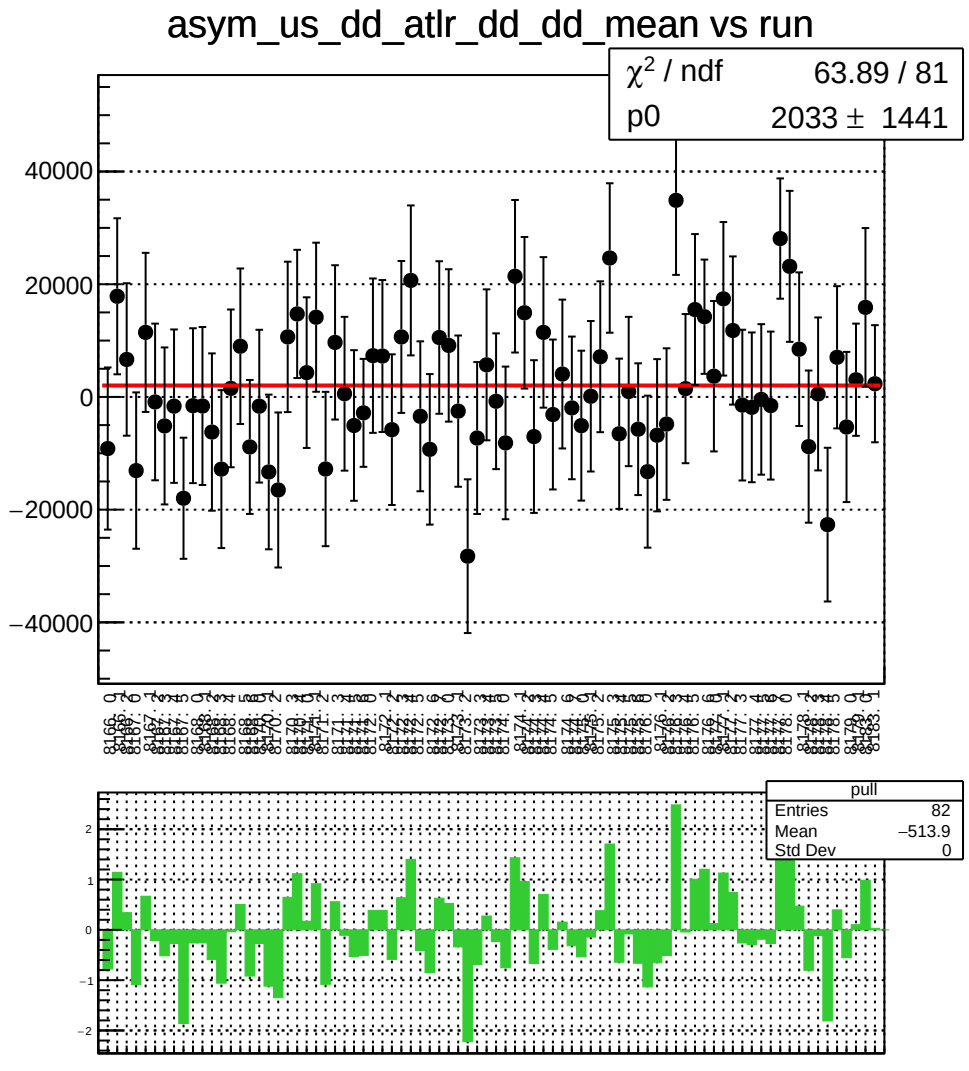

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.14 / 81
p0 904.2 ± 1297
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −2484
Std Dev 0
2
1
0
−1
−2
−3

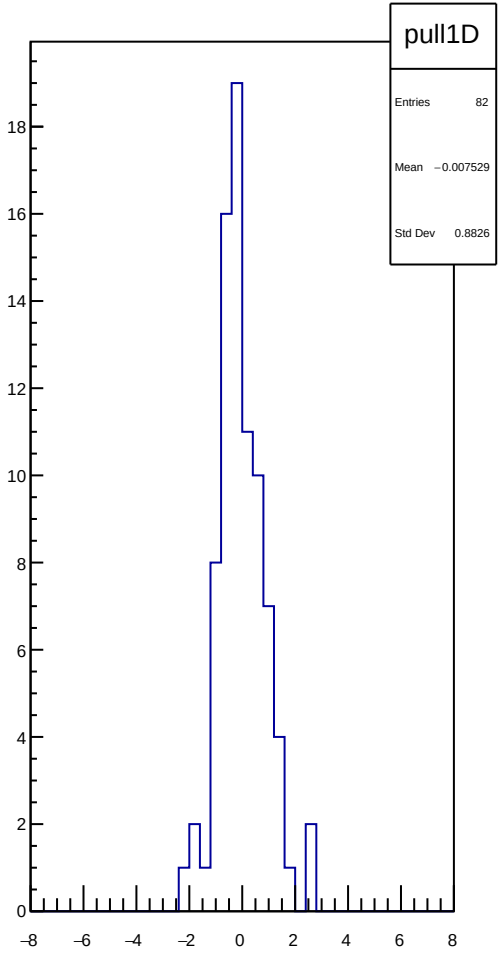

pull1D
Entries 82
Mean −0.001617
Std Dev 0.938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

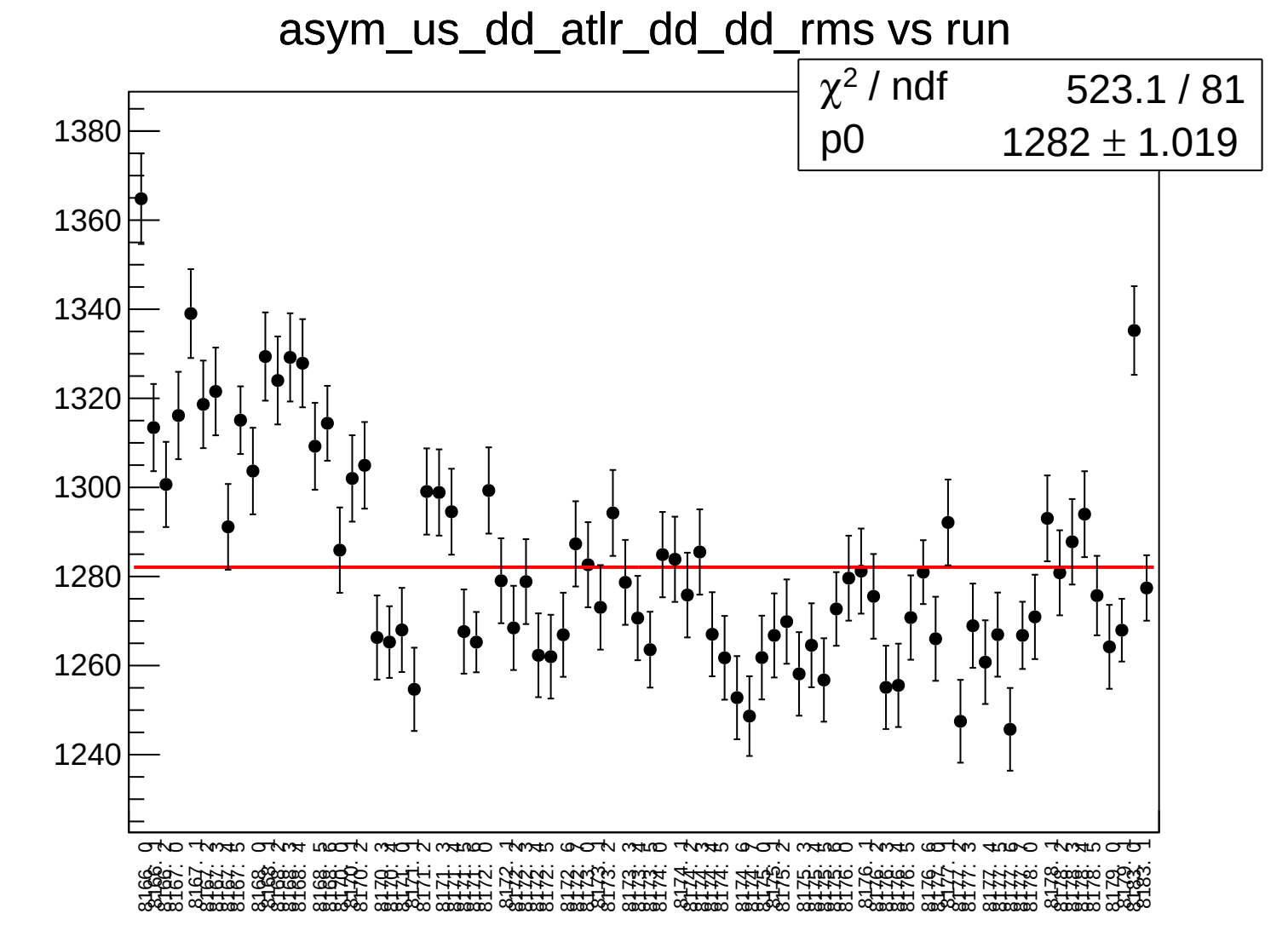

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 257.5 / 81
p0 1154 ± 0.9171
1220
1200
1180
1160
1140
1120

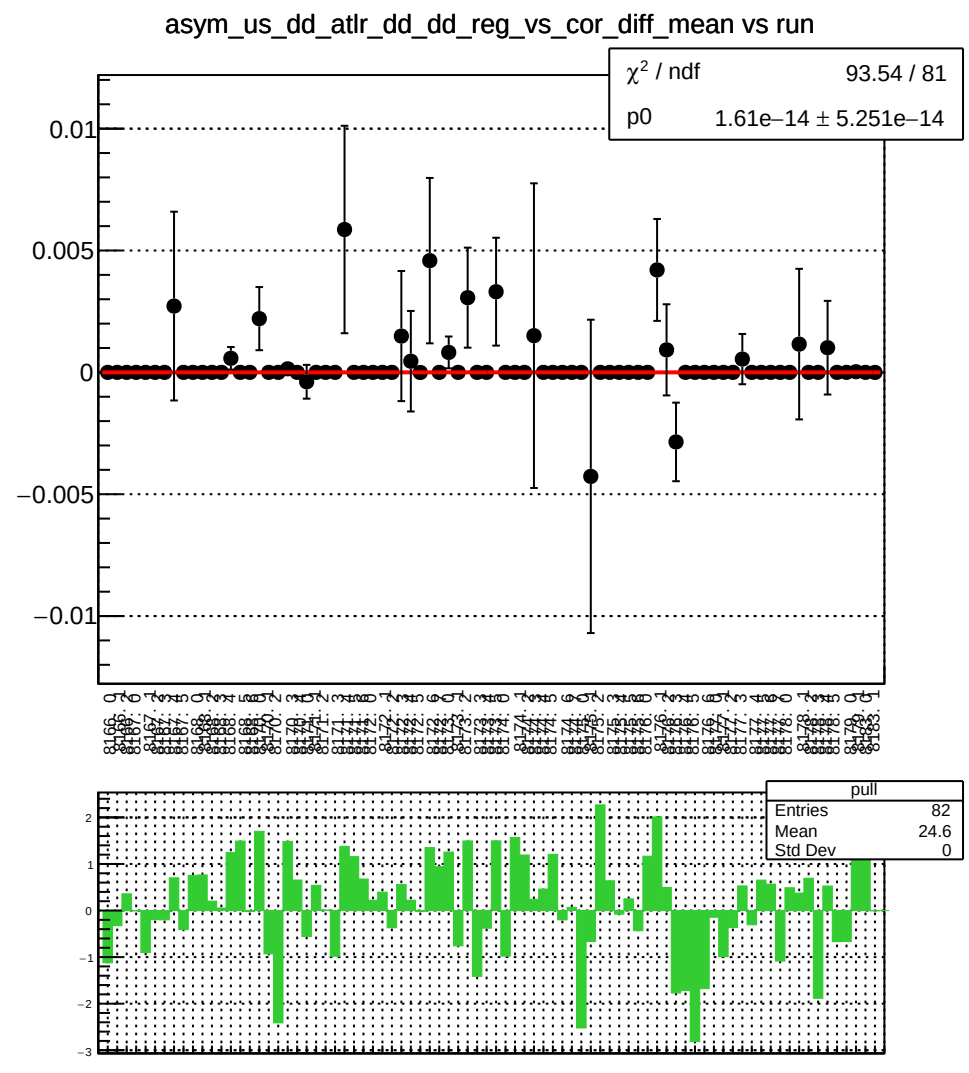

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 98.52 / 81
p0 −999.1 ± 654.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −654
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.001694
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

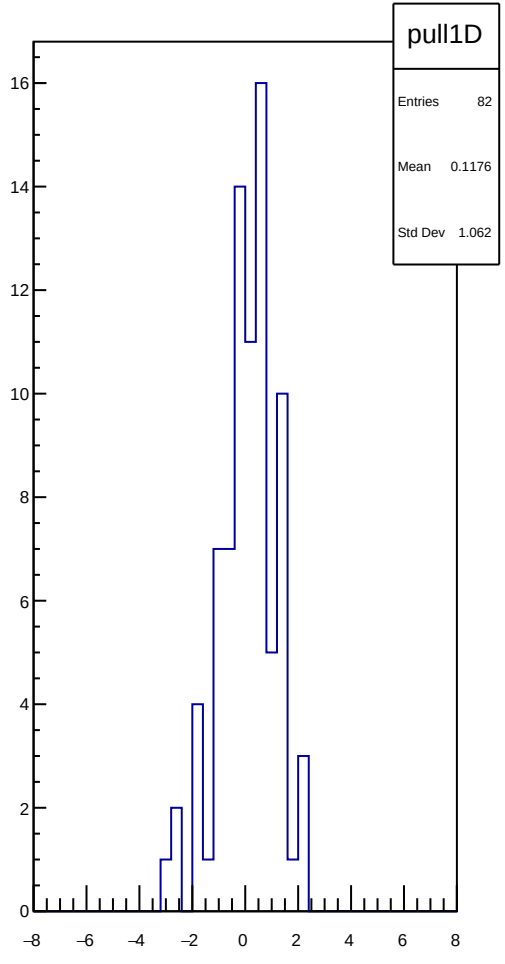

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 852.1 / 81
p0 582.3 ± 0.4629
630
620
610
600
590
580
570
560
550

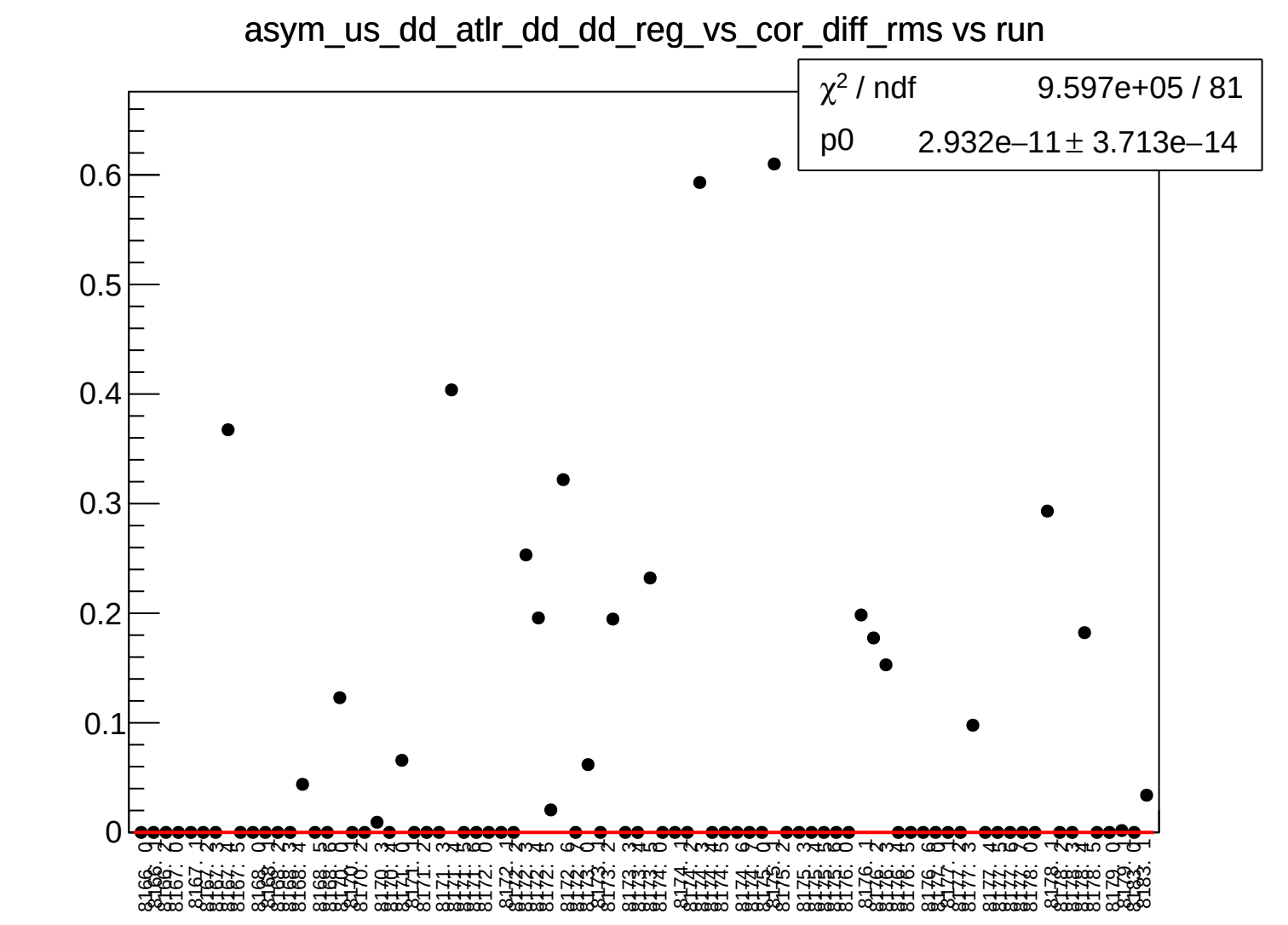

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 63.89 / 81
p0 2033 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −513.9
Std Dev 0
2
1
0
−1
−2

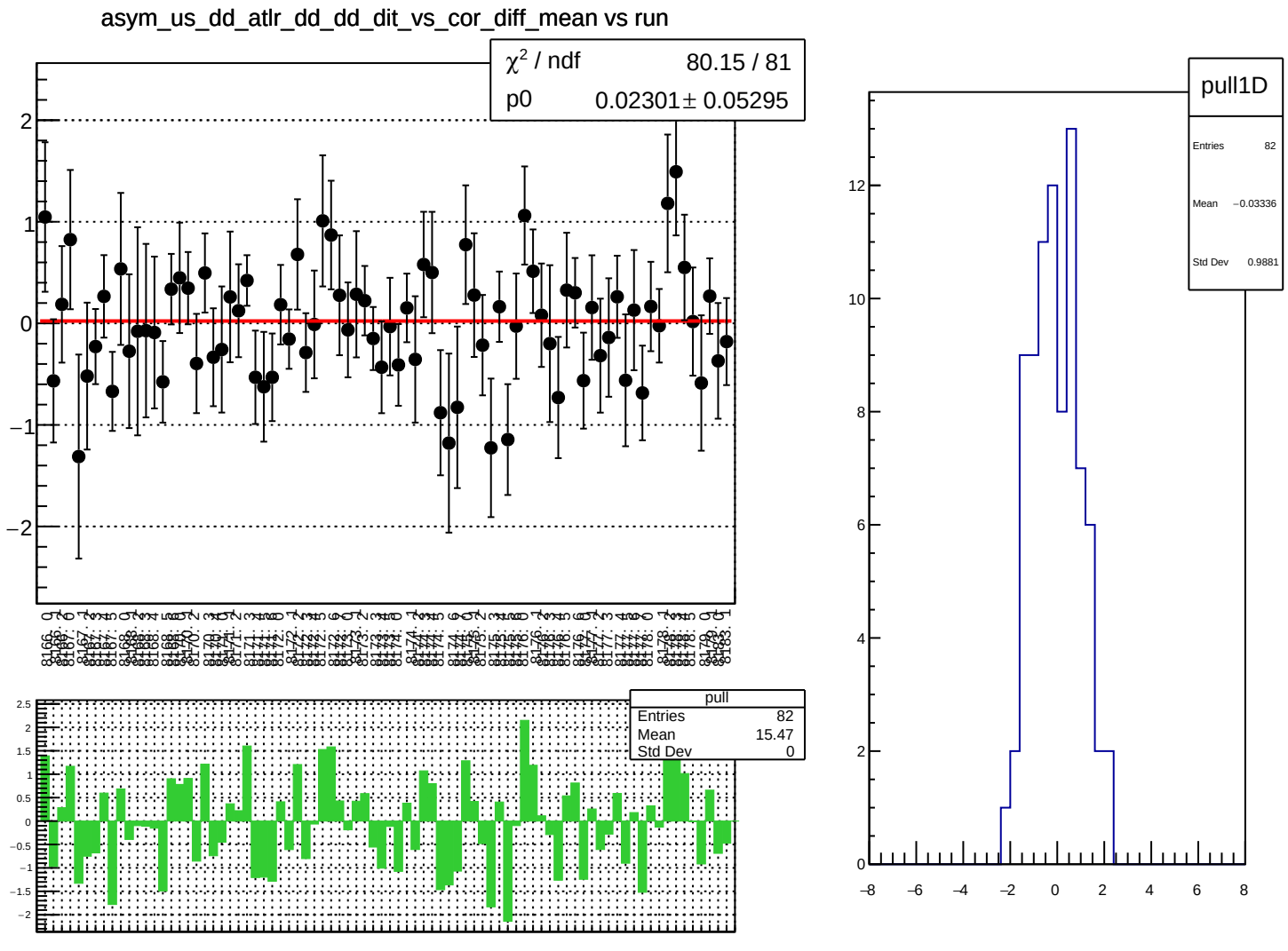

pull1D
Entries 82
Mean −0.007529
Std Dev 0.8826
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

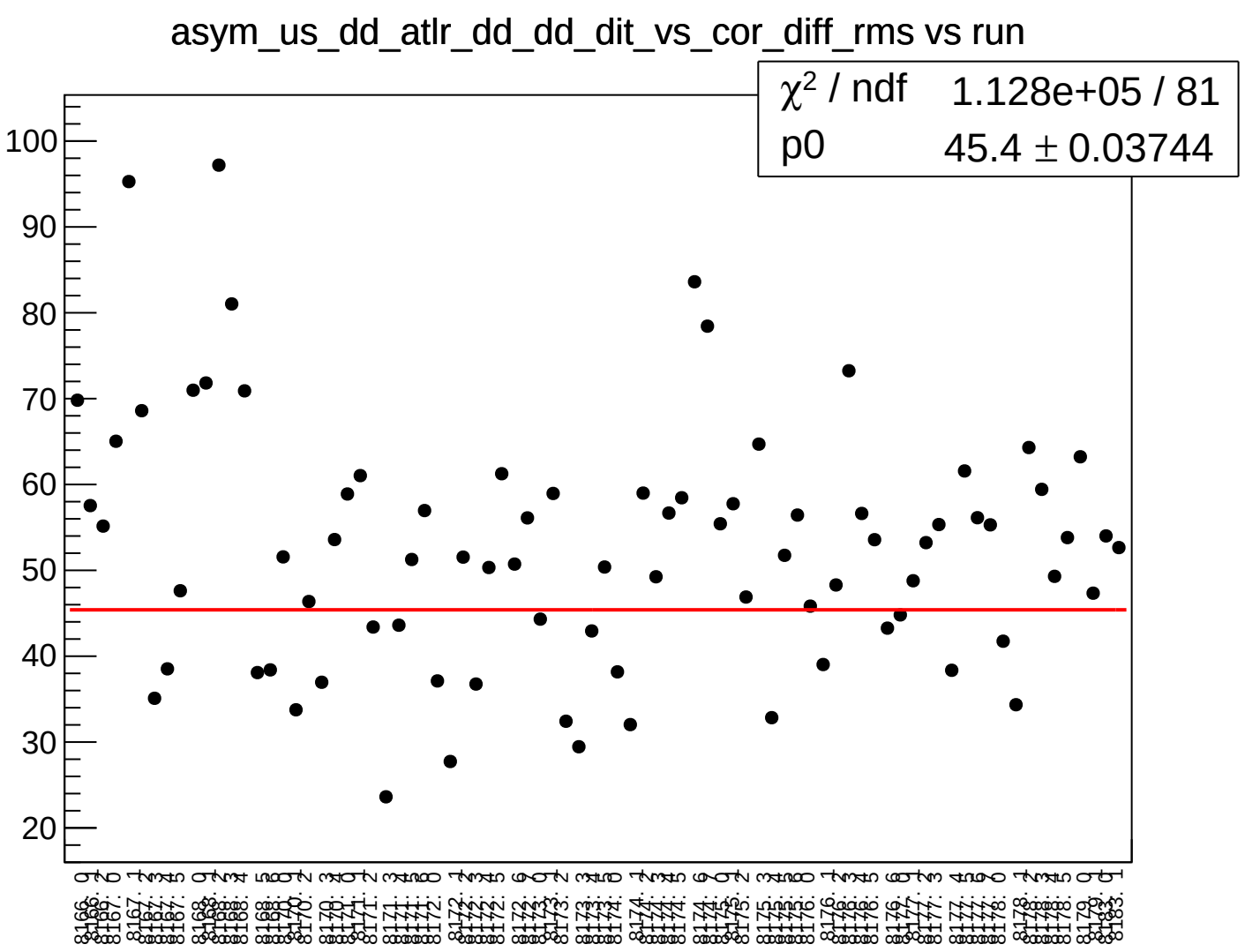

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 523.1 / 81
p0 1282 ± 1.019
1380
1360
1340
1320
1300
1280
1260
1240

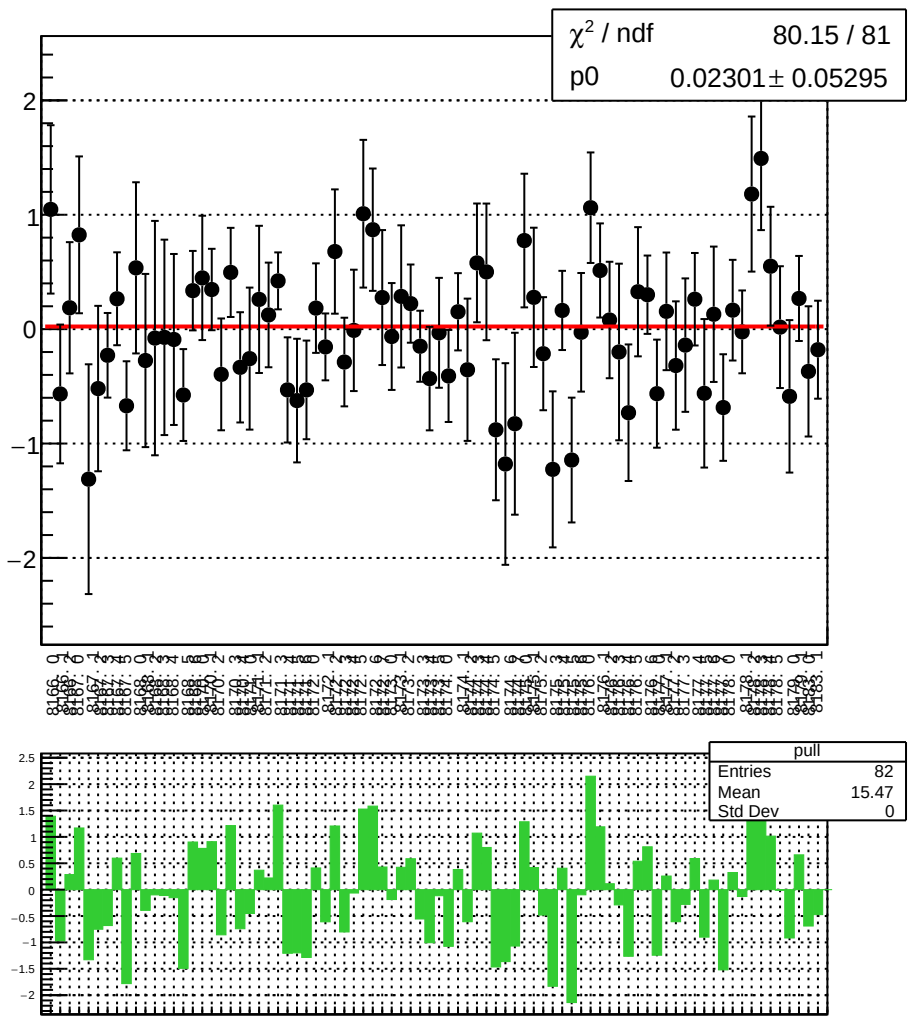

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 93.54 / 81
p0 1.61e−14 ± 5.251e−14
0.01
0.005
0
−0.005
−0.01
pull
Entries 82
Mean 24.6
Std Dev 0
2
1
0
−1
−2
−3

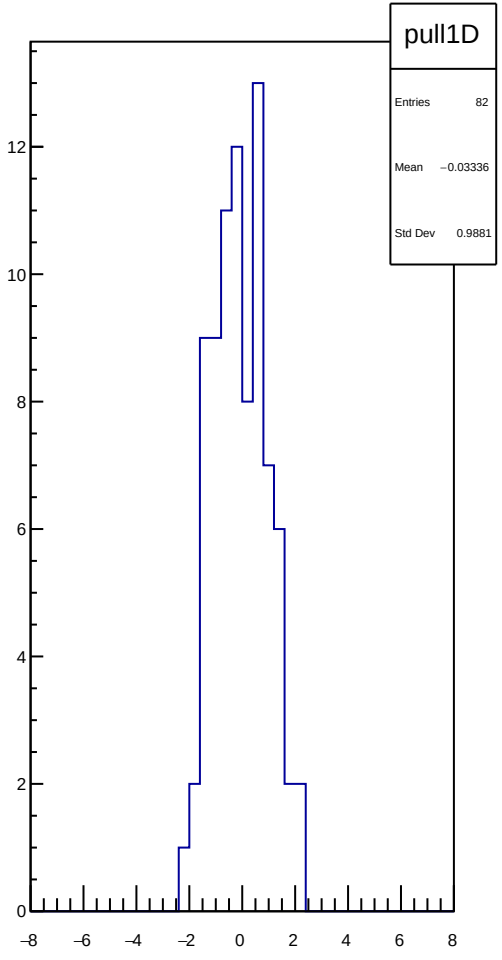

pull1D
Entries 82
Mean 0.1176
Std Dev 1.062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

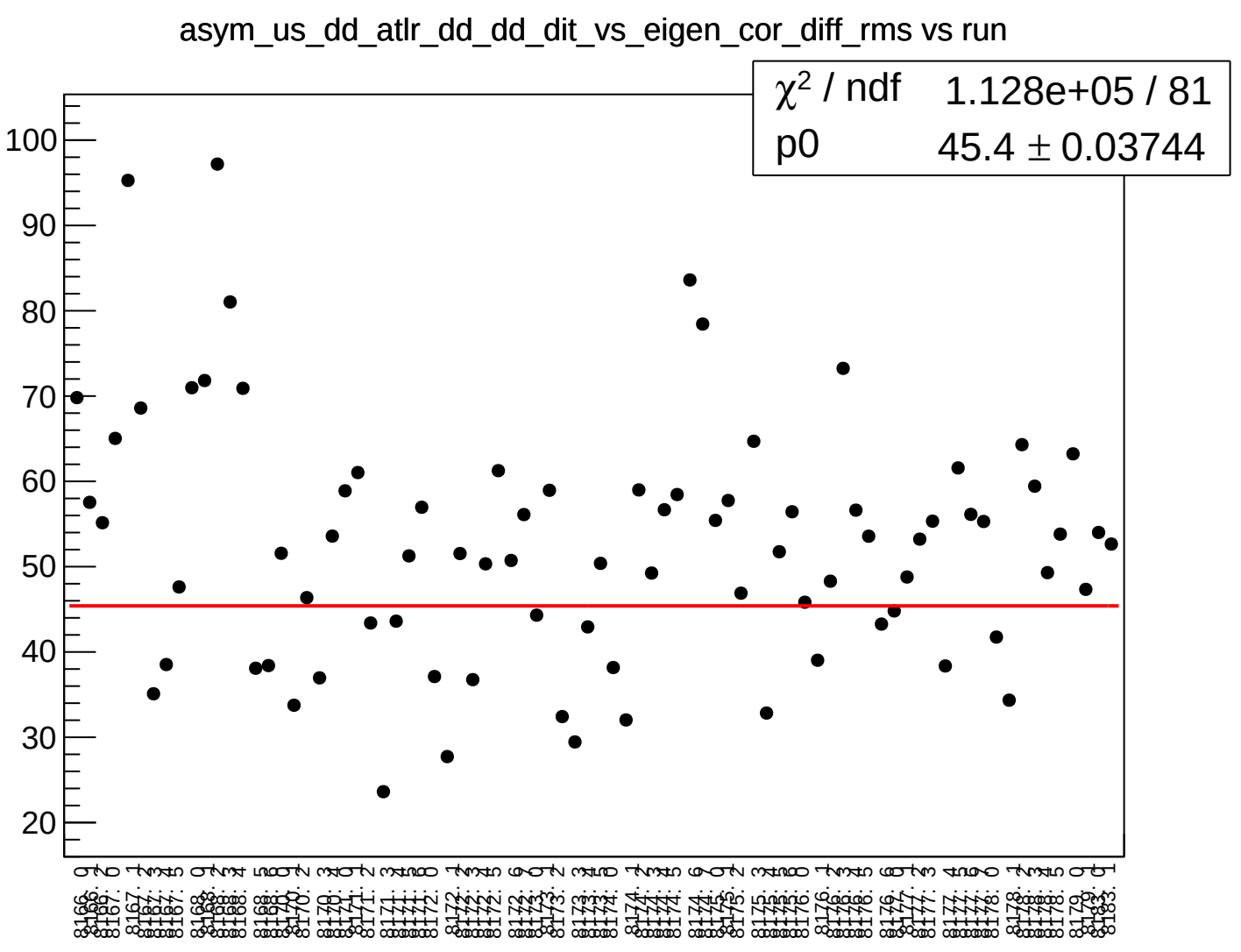

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.597e+05 / 81
p0 2.932e−11 ± 3.713e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

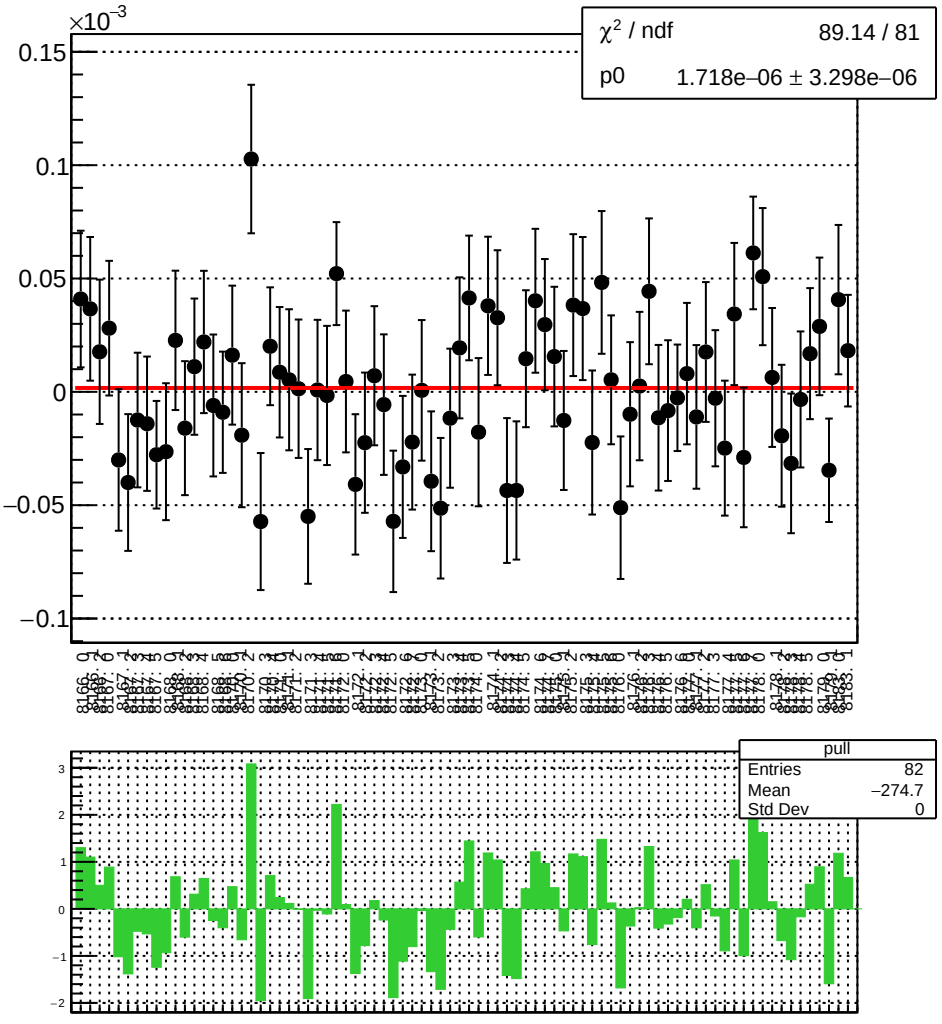

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 0.02301 ± 0.05295
pull
Entries 82
Mean 15.47
Std Dev 0
pull1D
Entries 82
Mean −0.03336
Std Dev 0.9881

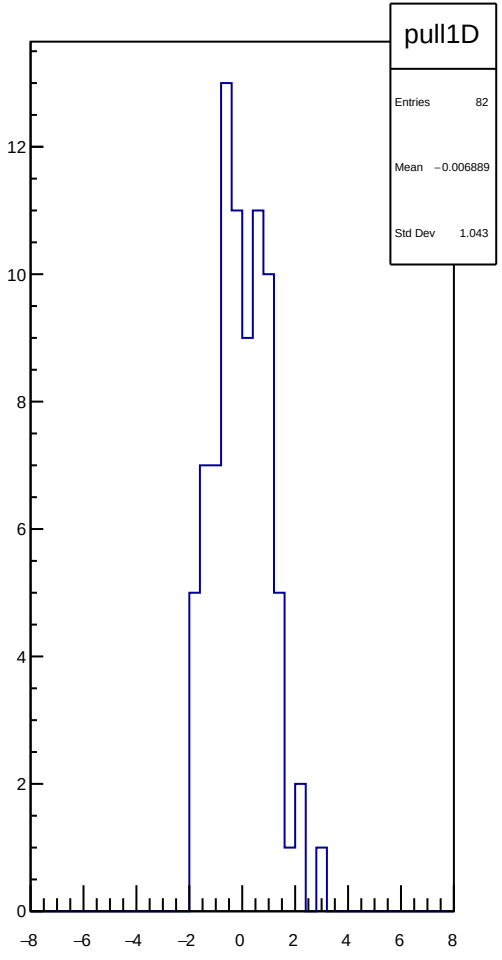

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 81
p0 45.4 ± 0.03744
100
90
80
70
60
50
40
30
20

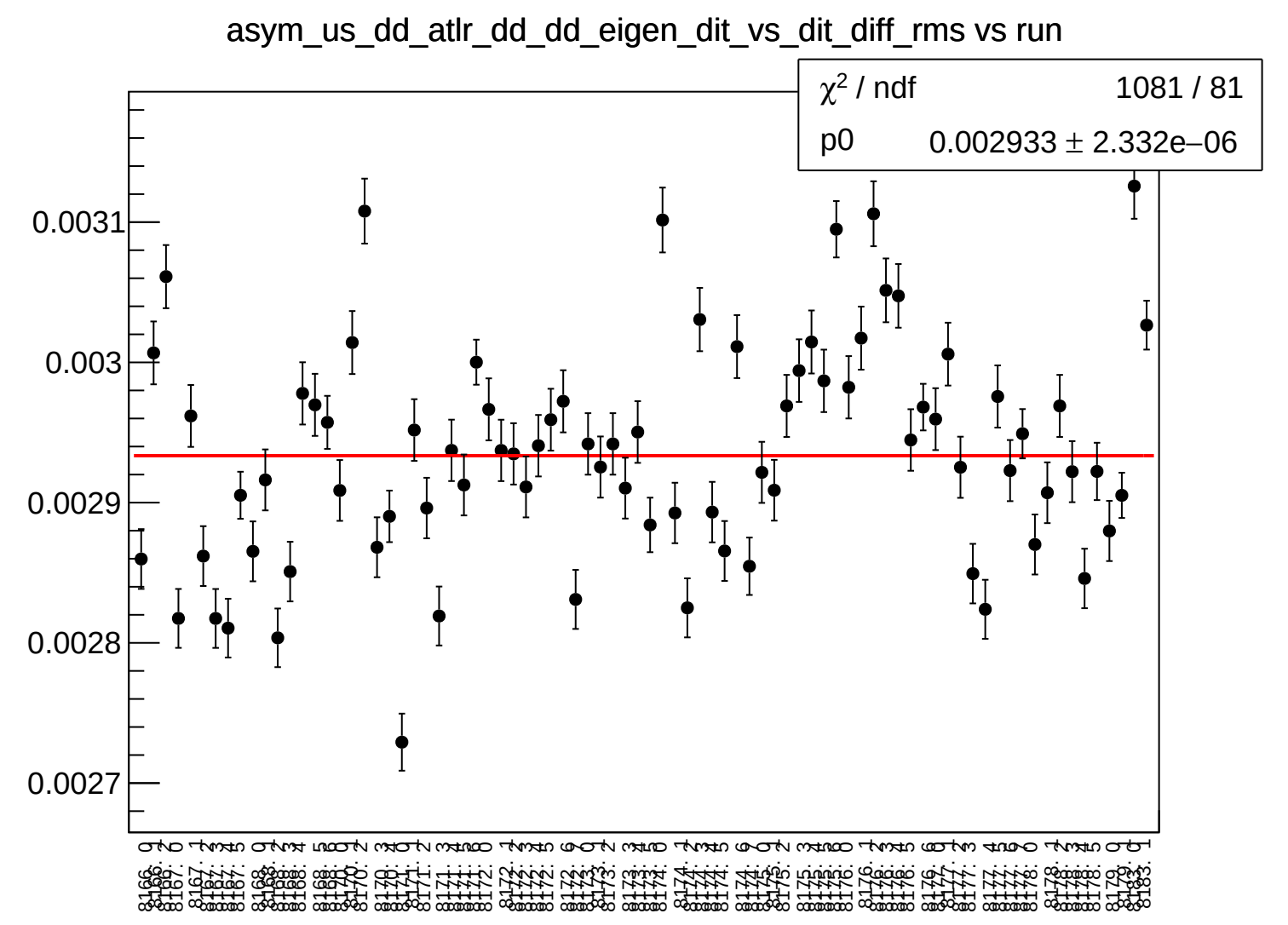

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 0.02301 ± 0.05295
pull
Entries 82
Mean 15.47
Std Dev 0

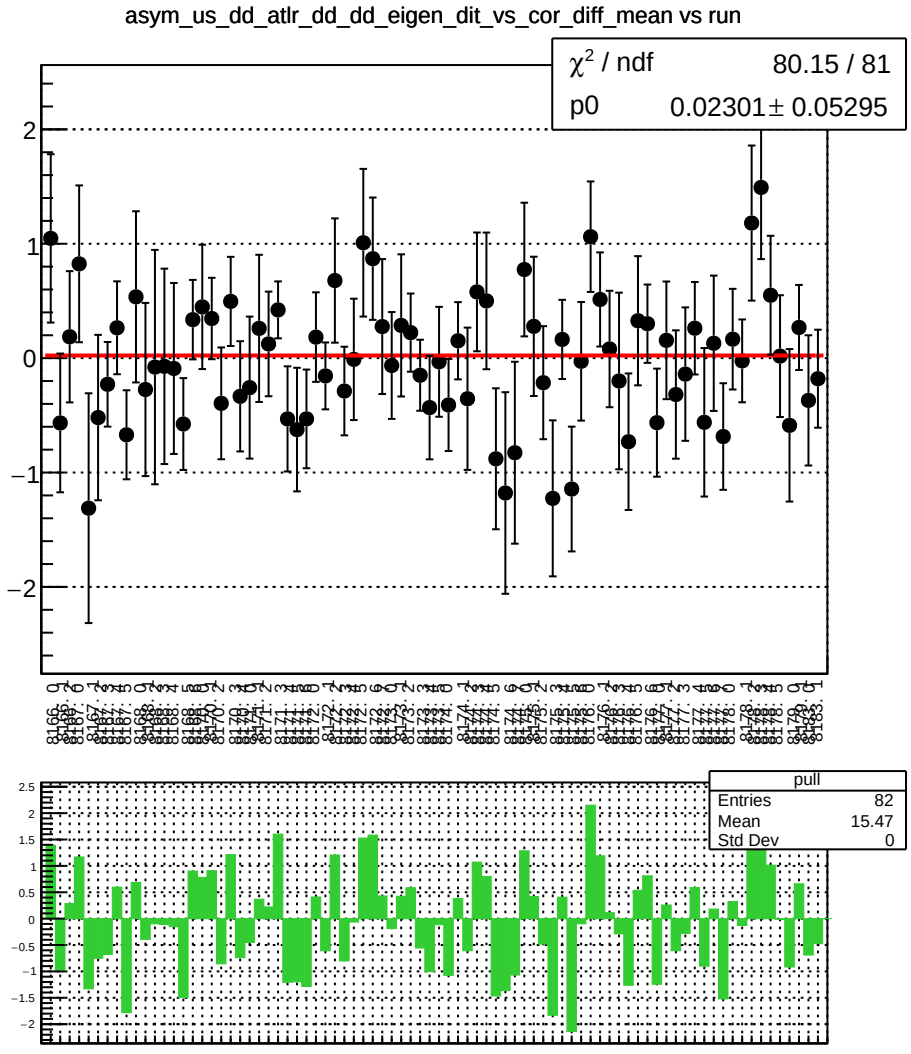

pull1D
Entries 82
Mean −0.03336
Std Dev 0.9881

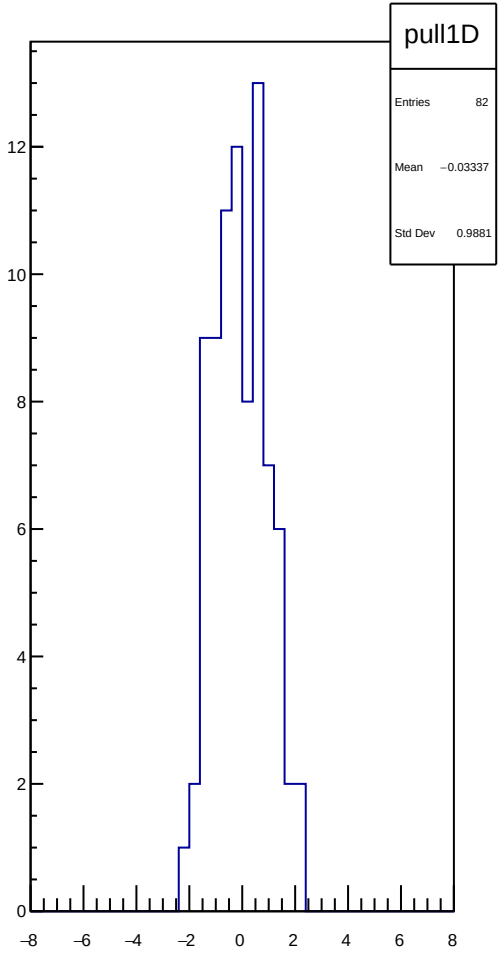

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 81
p0 45.4 ± 0.03744
100
90
80
70
60
50
40
30
20

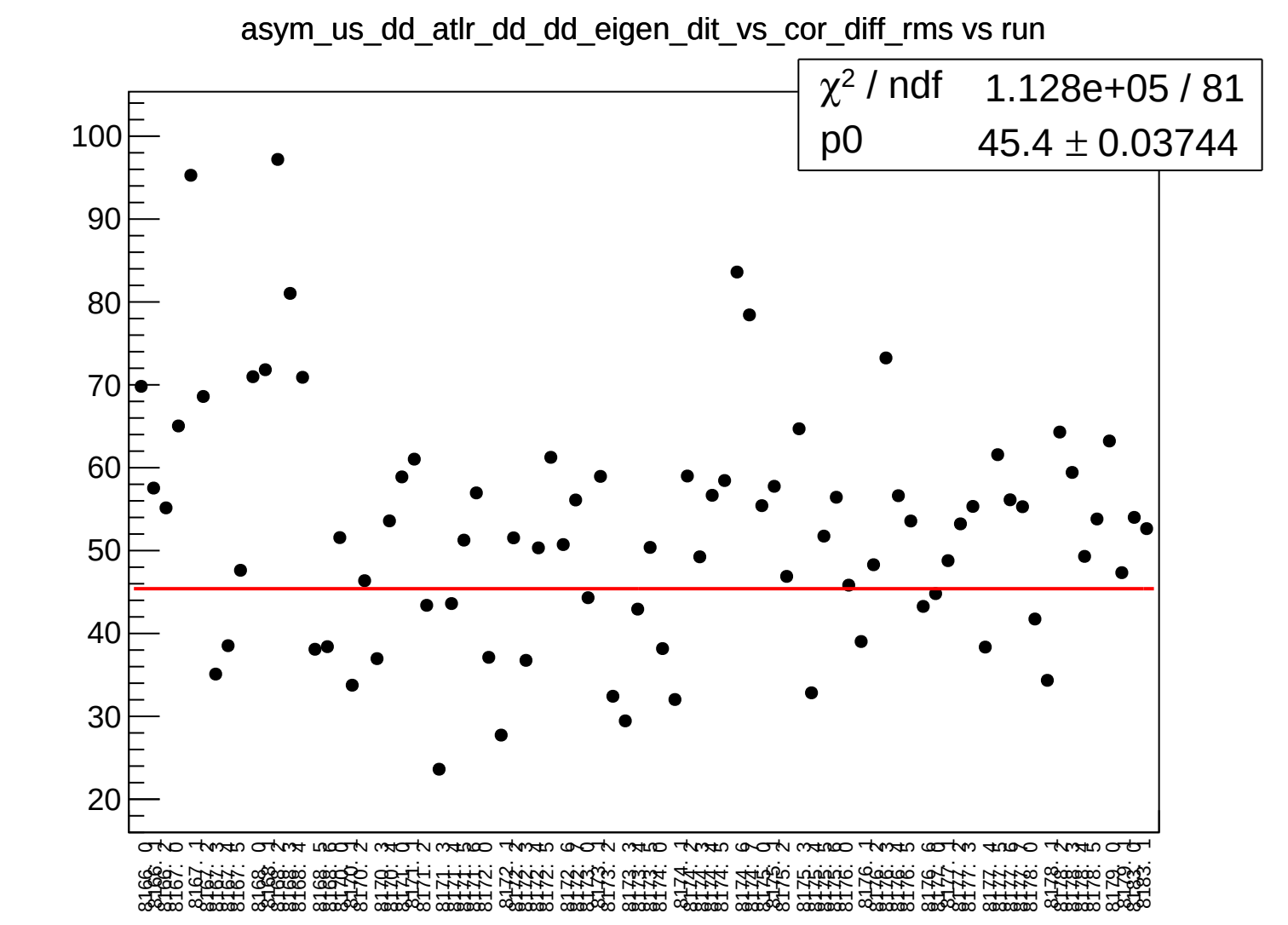

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.14 / 81
p0 1.718e−06 ± 3.298e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean −274.7
Std Dev 0
3
2
1
0
−1
−2

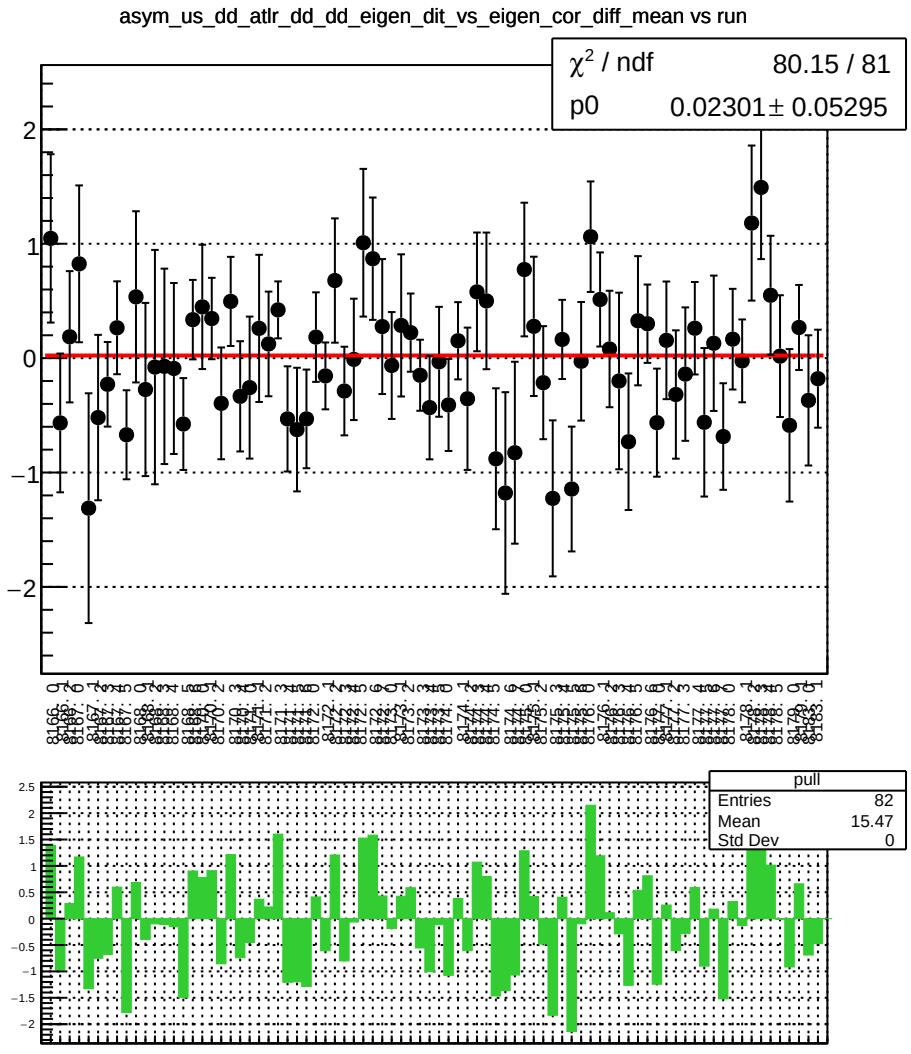

pull1D
Entries 82
Mean −0.006889
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

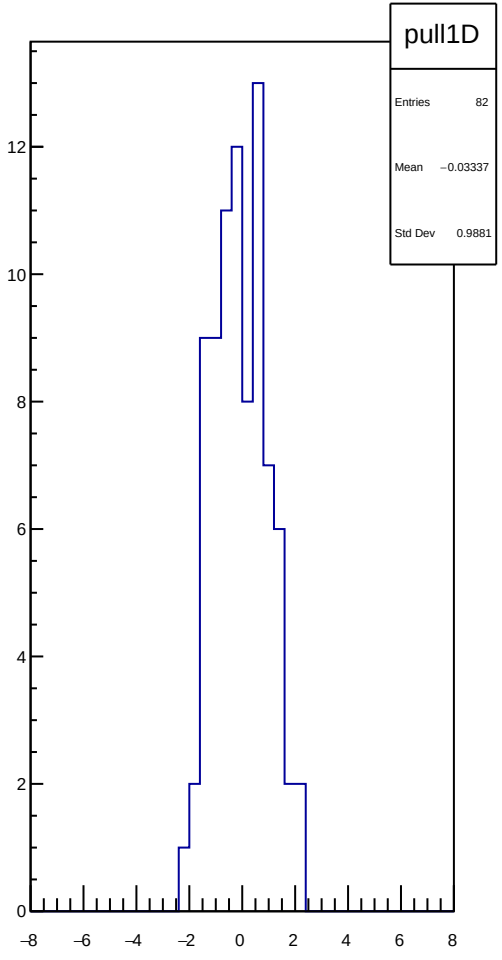

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1081 / 81
p0 0.002933 ± 2.332e−06
0.0031
0.003
0.0029
0.0028
0.0027

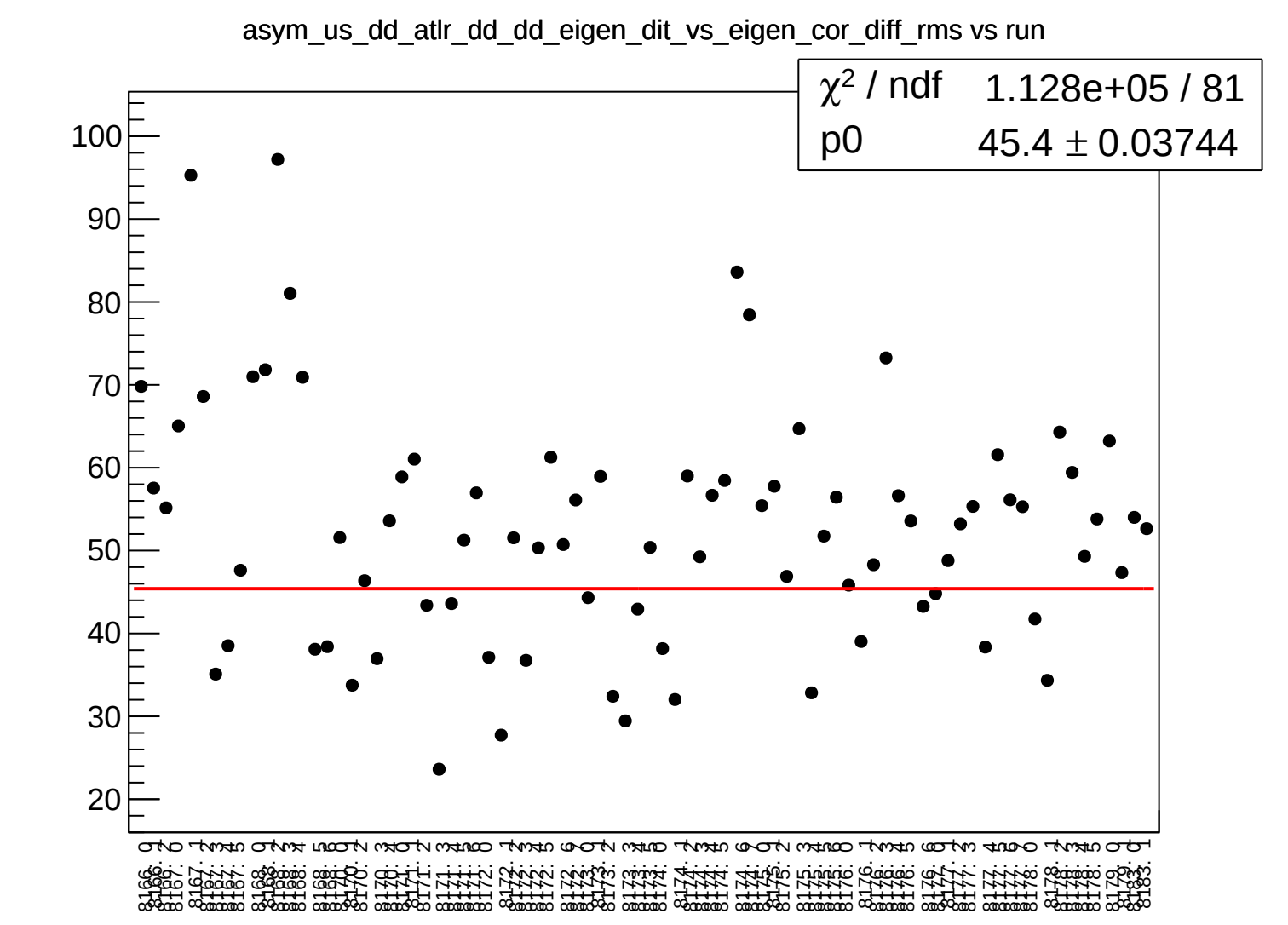

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 0.02301 ± 0.05295
pull
Entries 82
Mean 15.47
Std Dev 0

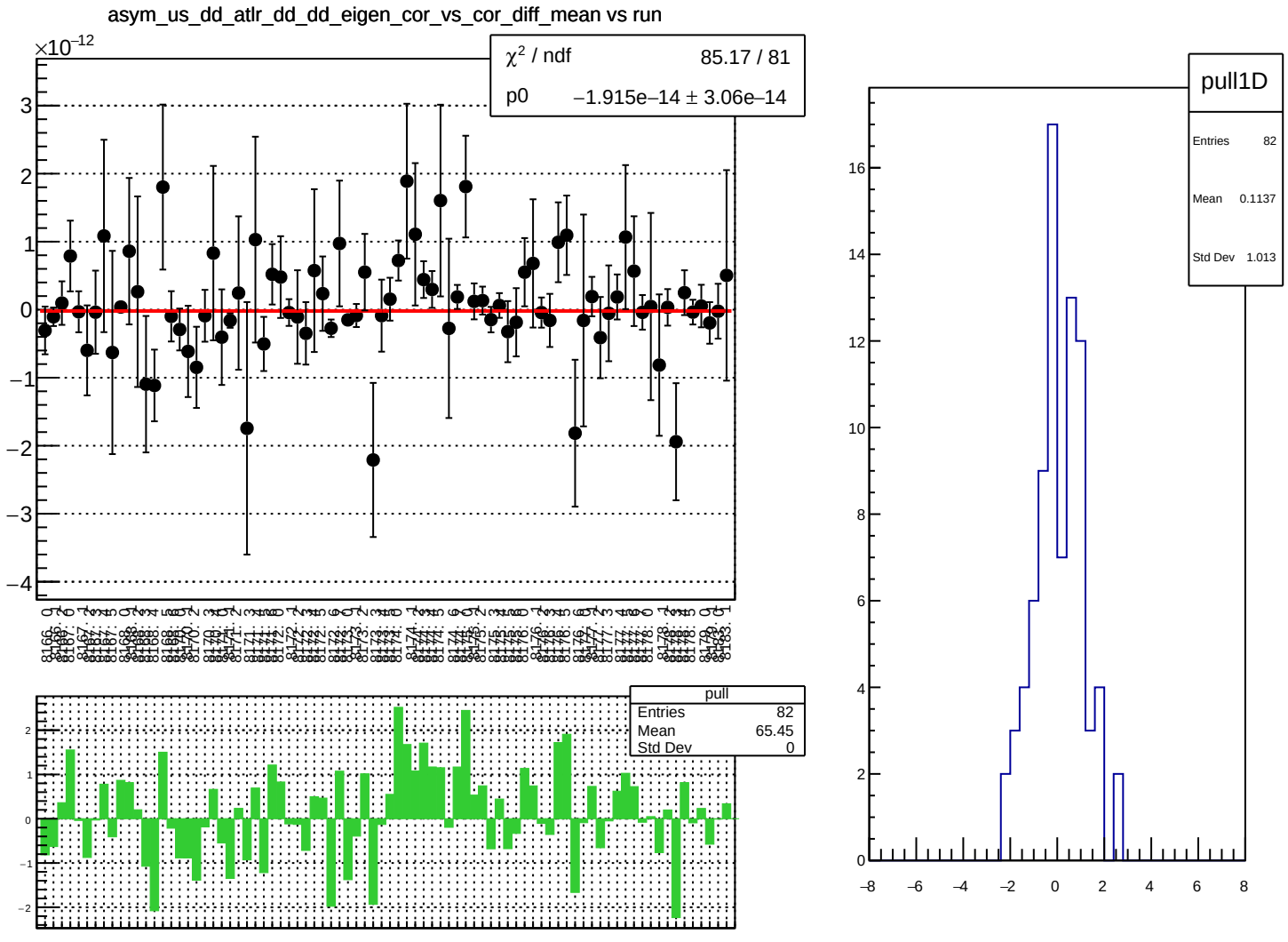

pull1D
Entries 82
Mean −0.03337
Std Dev 0.9881

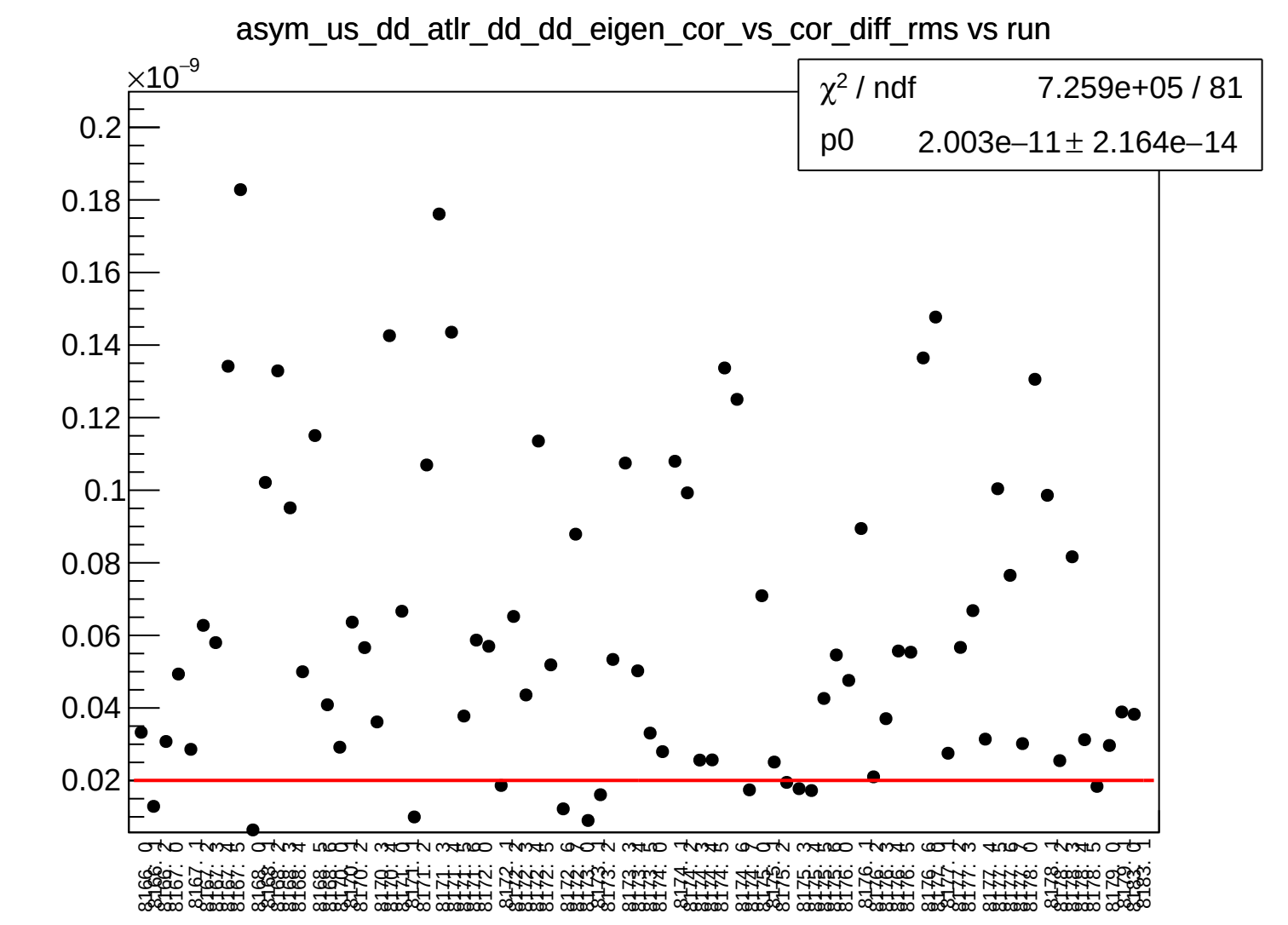

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 81
p0 45.4 ± 0.03744
100
90
80
70
60
50
40
30
20

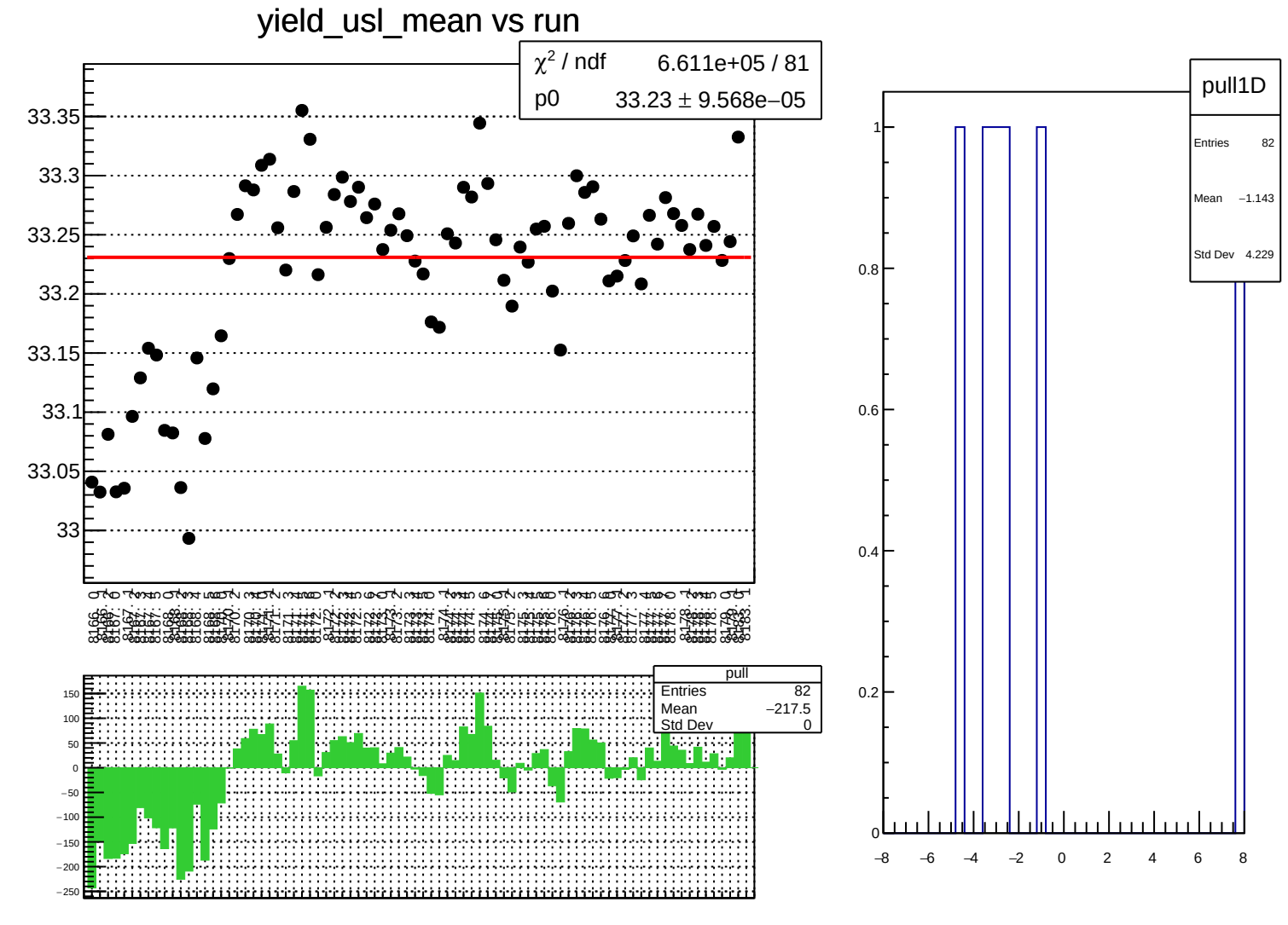

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.15 / 81
p0 0.02301 ± 0.05295
pull
Entries 82
Mean 15.47
Std Dev 0

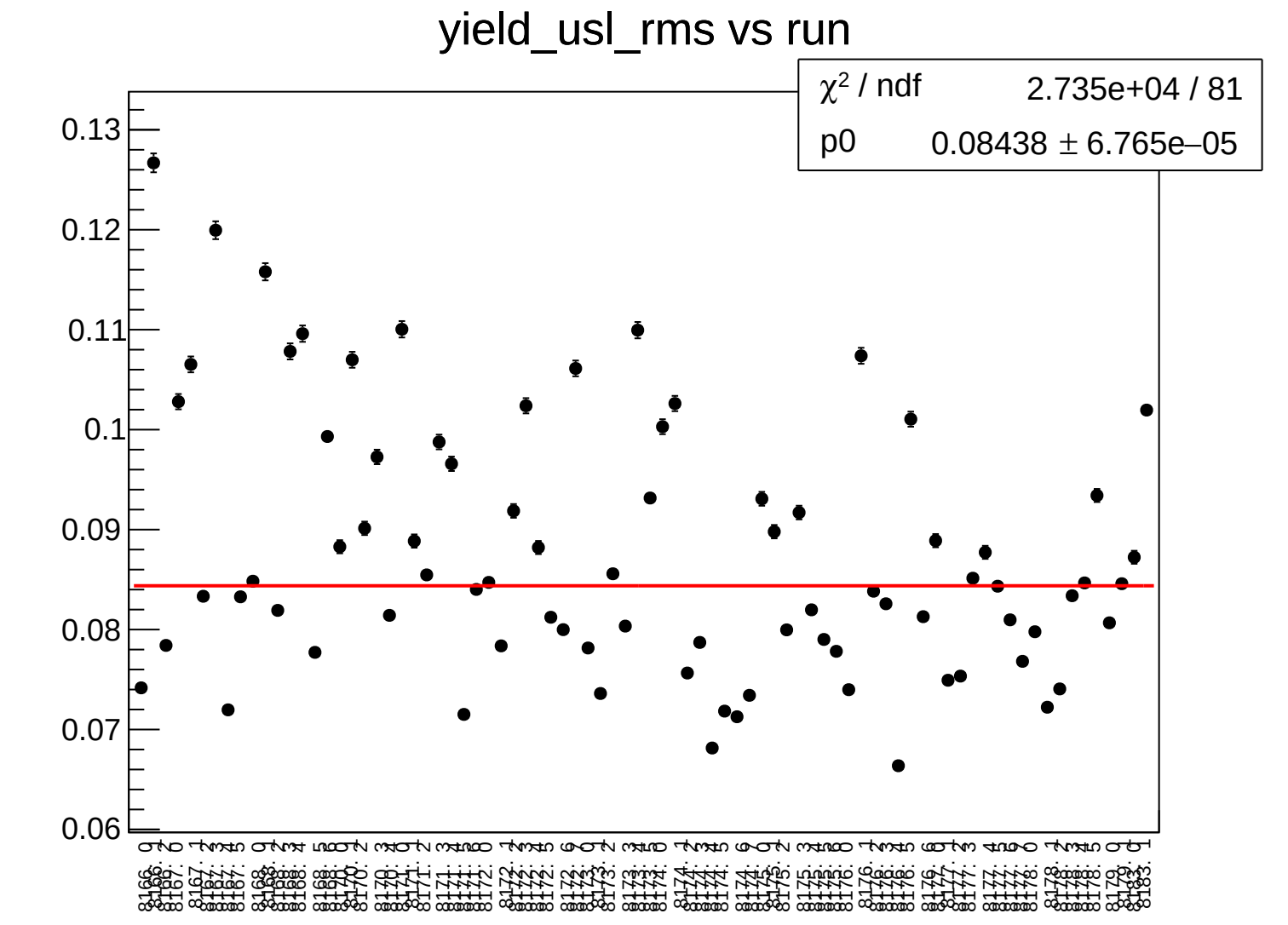

pull1D
Entries 82
Mean −0.03337
Std Dev 0.9881

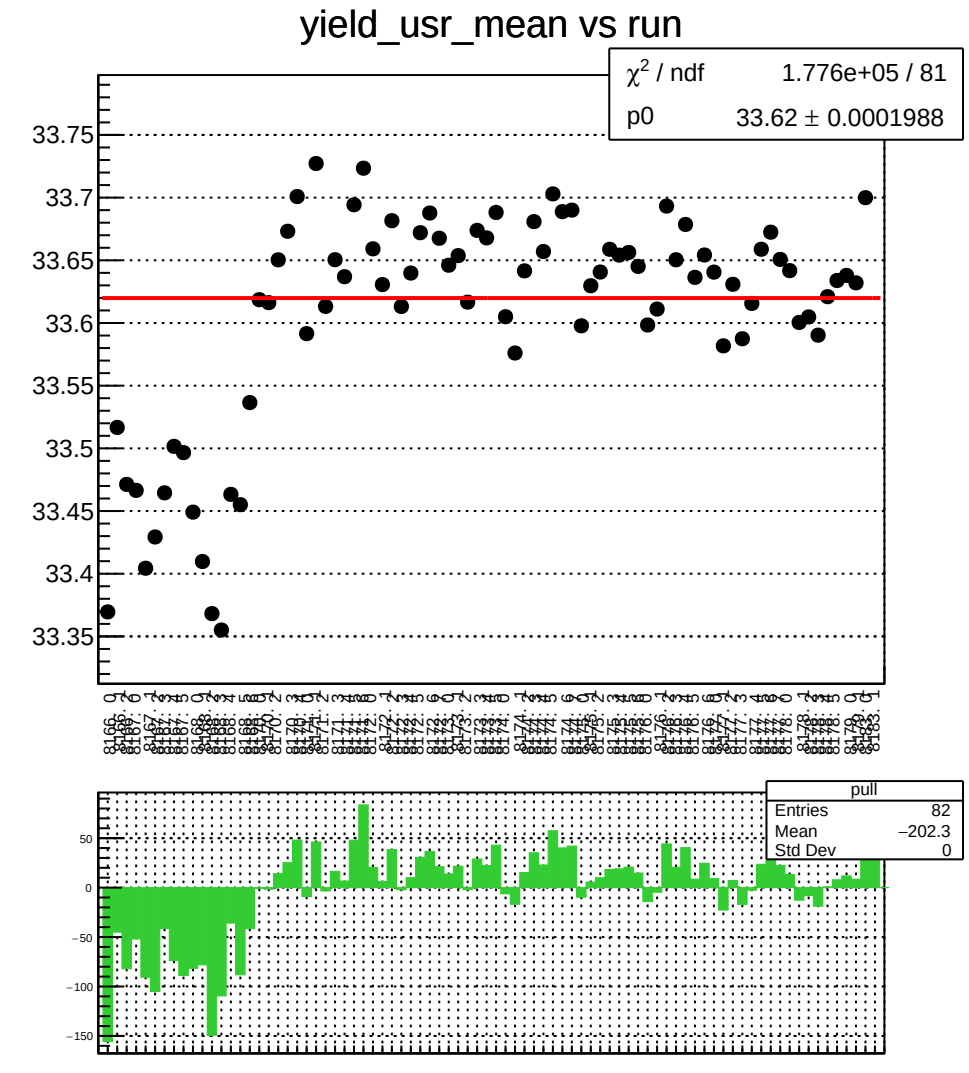

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 81
p0 45.4 ± 0.03744
100
90
80
70
60
50
40
30
20

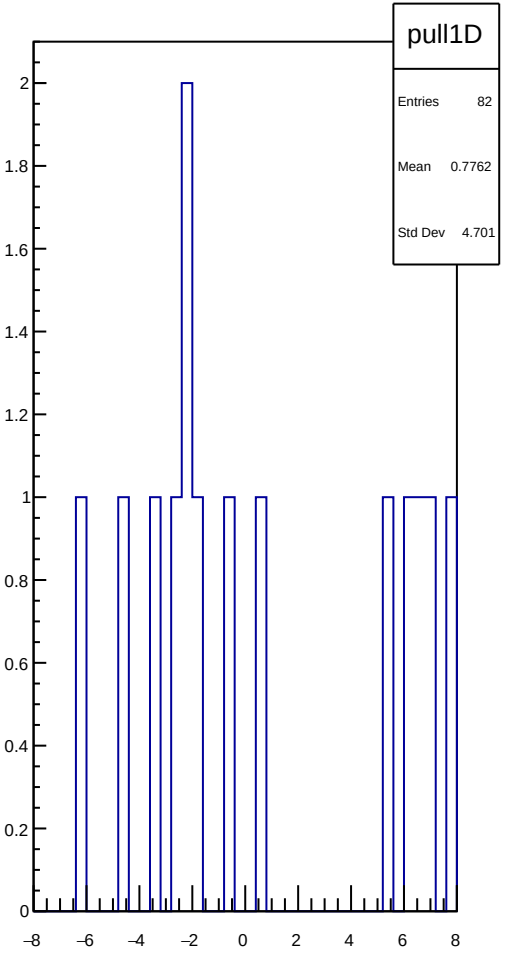

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.17 / 81
p0 −1.915e−14 ± 3.06e−14
pull
Entries 82
Mean 65.45
Std Dev 0
pull1D
Entries 82
Mean 0.1137
Std Dev 1.013

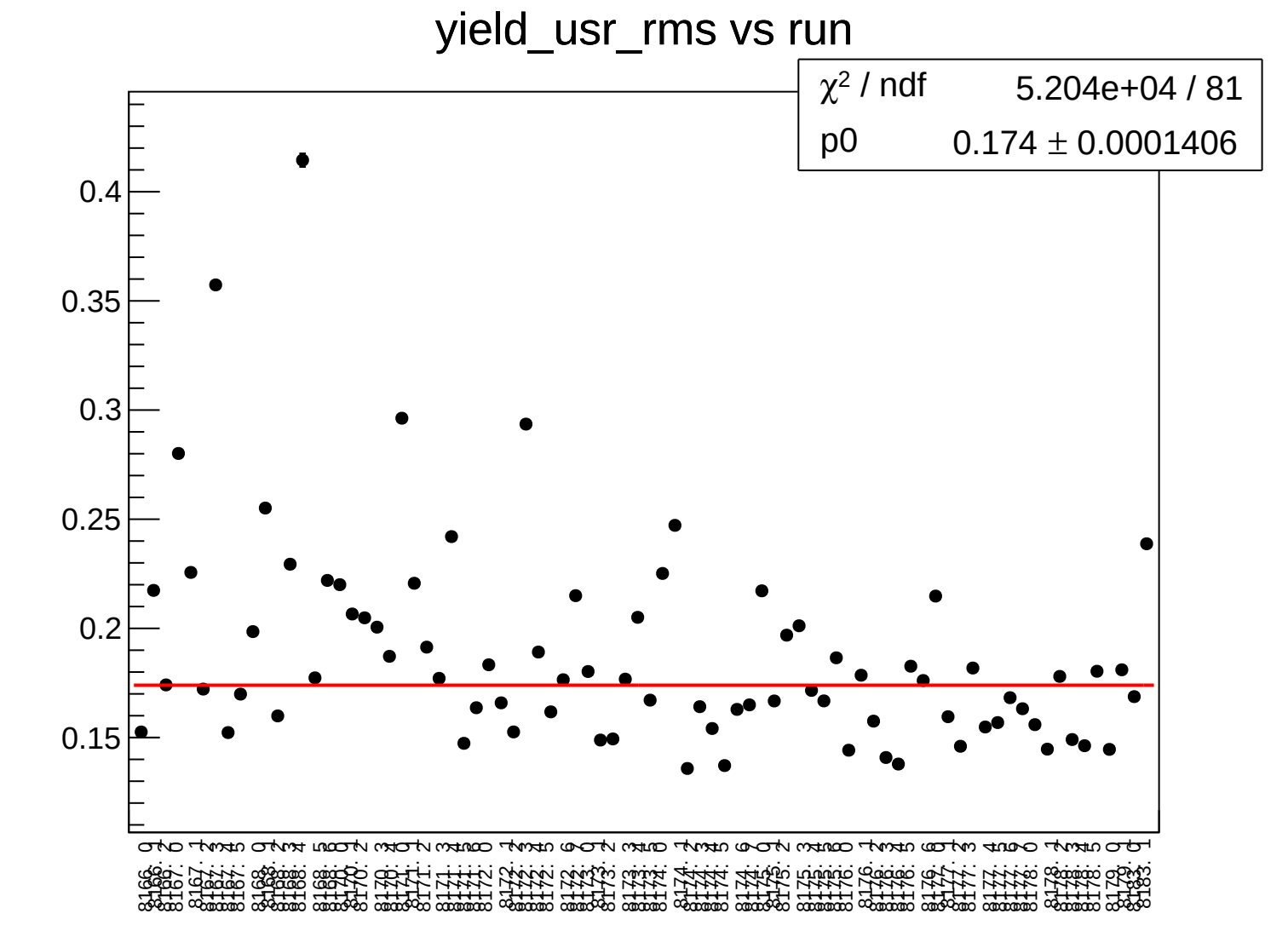

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.259e+05 / 81
p0 2.003e−11 ± 2.164e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

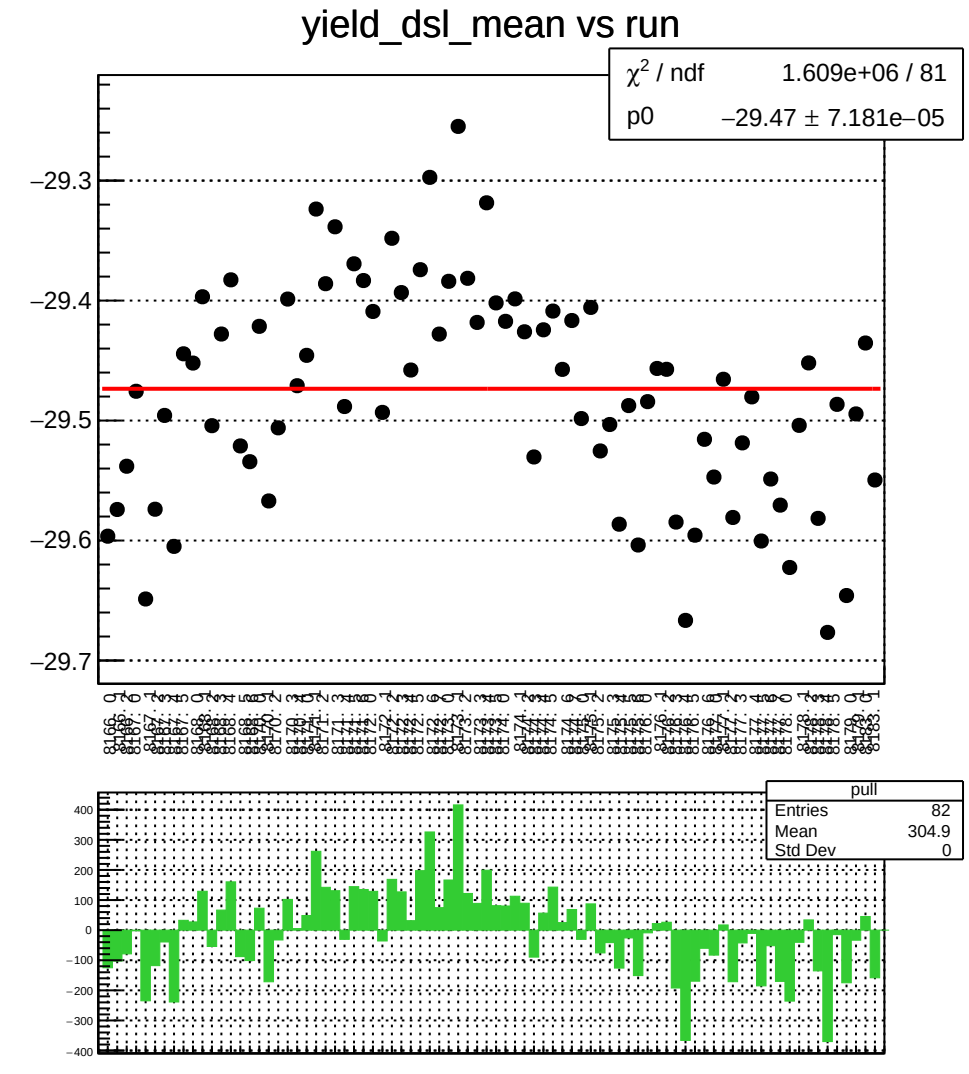

yield_usl_mean vs run
χ² / ndf 6.611e+05 / 81
p0 33.23 ± 9.568e−05
33.35
33.3
33.25
33.2
33.15
33.1
33.05
33
pull
Entries 82
Mean −217.5
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 82
Mean −1.143
Std Dev 4.229
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

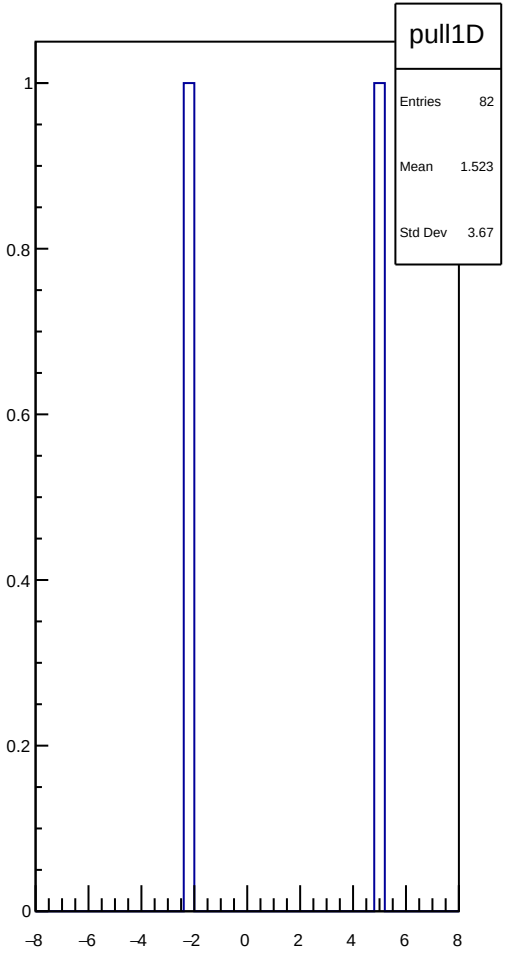

yield_usl_rms vs run
χ² / ndf 2.735e+04 / 81
p0 0.08438 ± 6.765e−05
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06

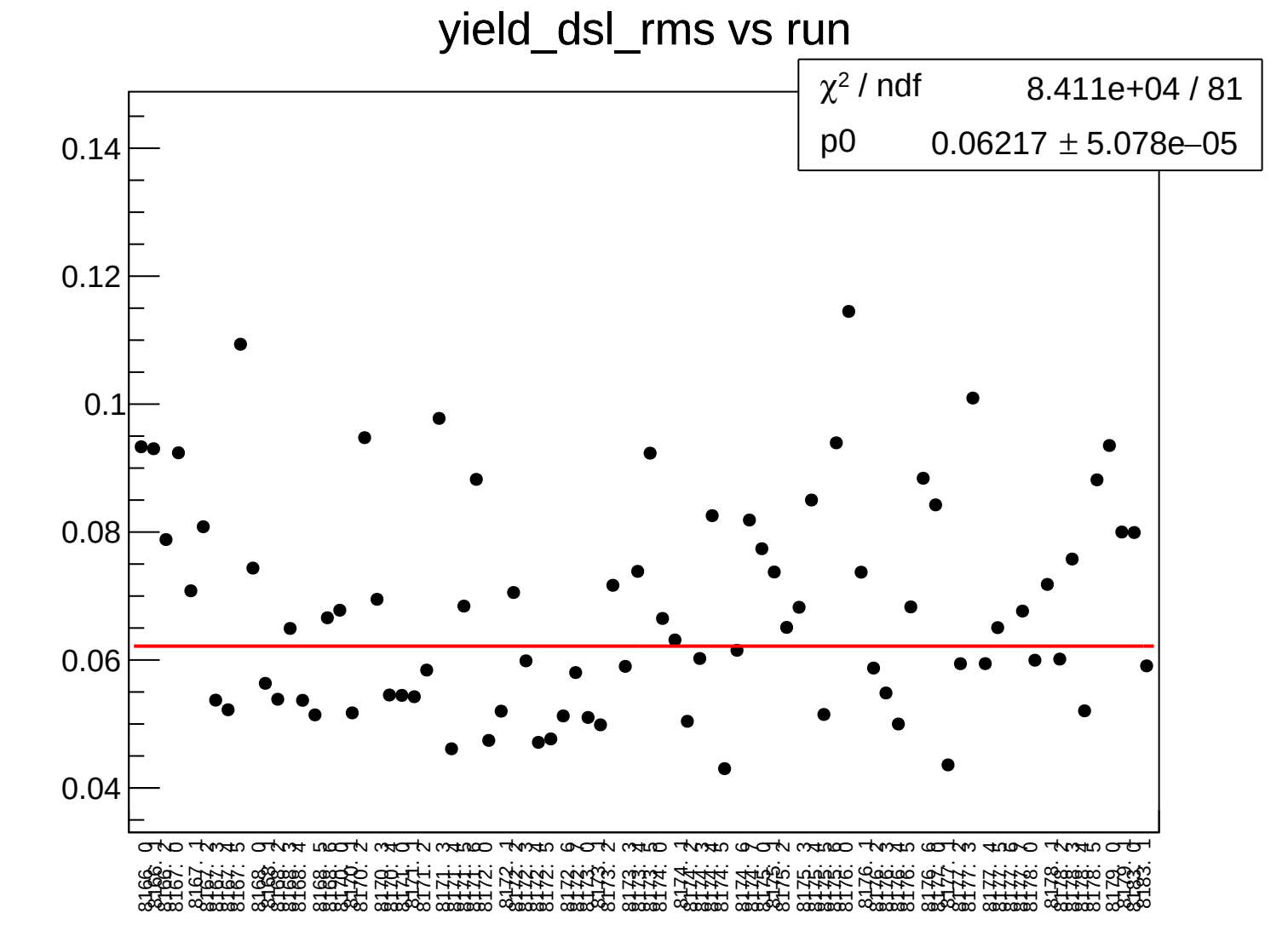

yield_usr_mean vs run
χ² / ndf 1.776e+05 / 81
p0 33.62 ± 0.0001988
33.75
33.7
33.65
33.6
33.55
33.5
33.45
33.4
33.35
pull
Entries 82
Mean −202.3
Std Dev 0
50
0
−50
−100
−150

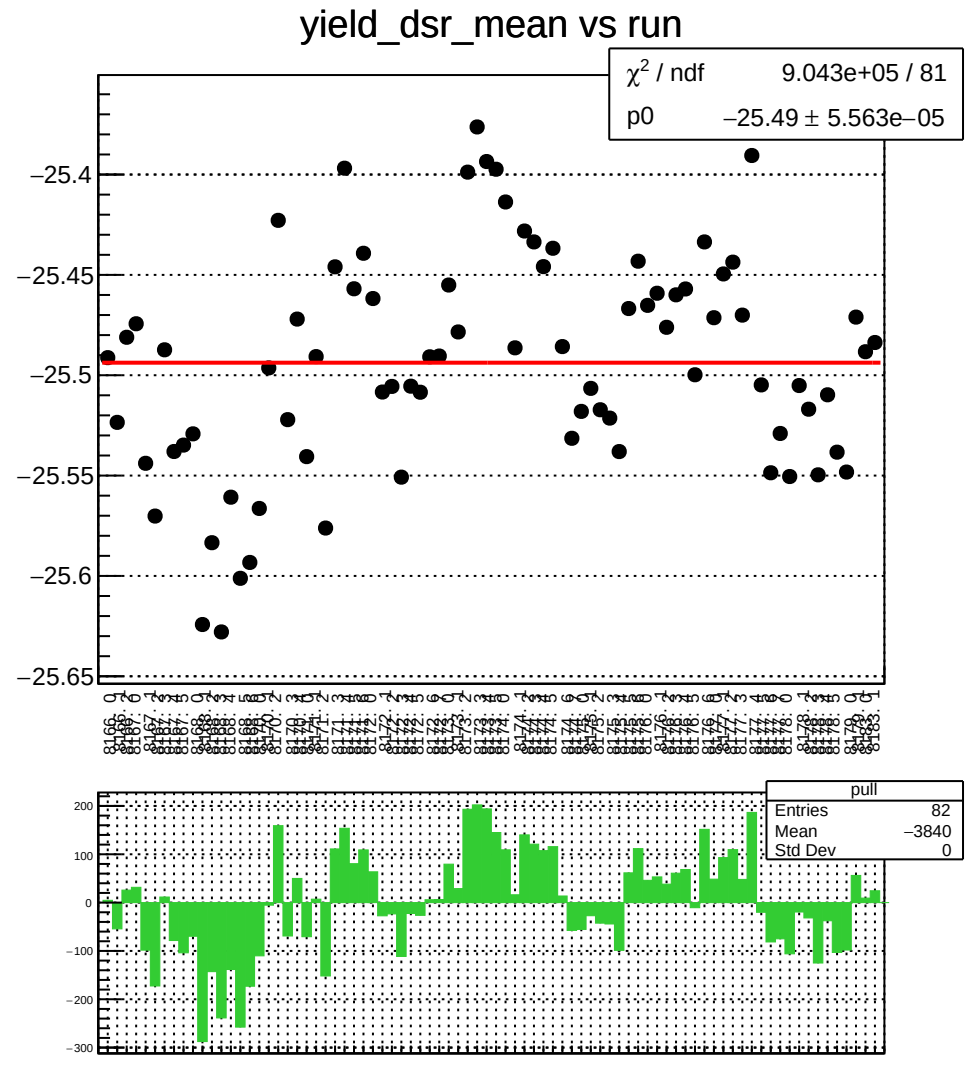

pull1D
Entries 82
Mean 0.7762
Std Dev 4.701
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

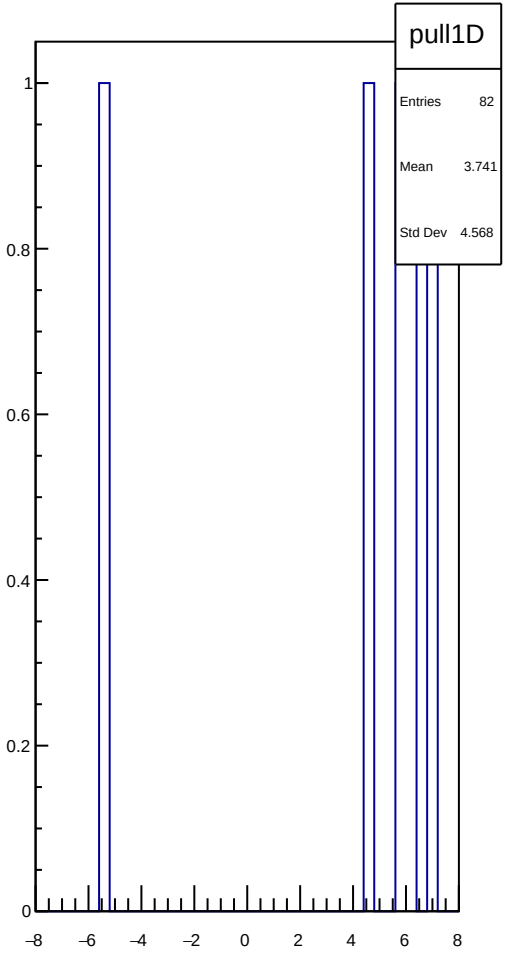

yield_usr_rms vs run
χ² / ndf 5.204e+04 / 81
p0 0.174 ± 0.0001406
0.4
0.35
0.3
0.25
0.2
0.15

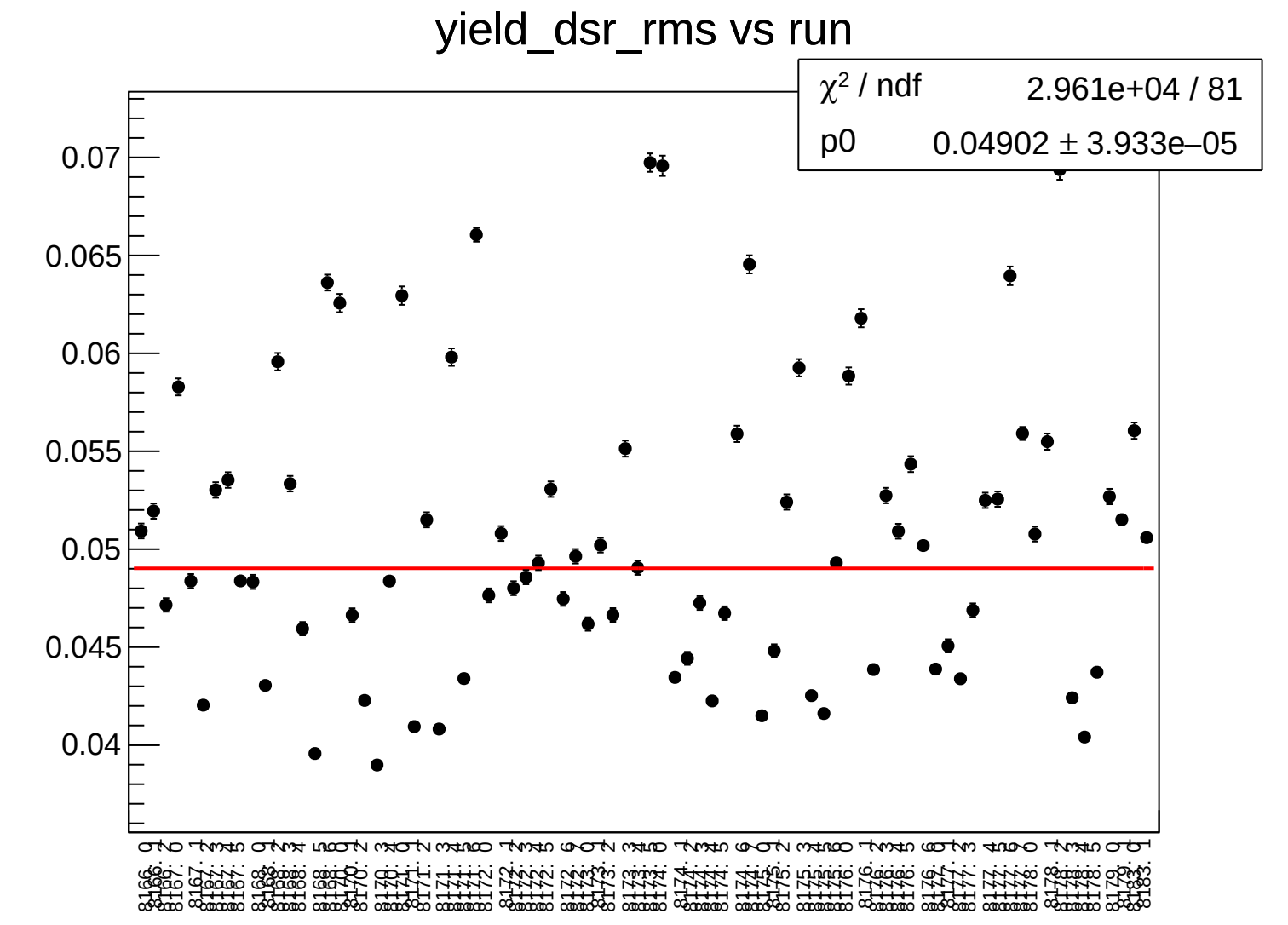

yield_dsl_mean vs run
χ² / ndf 1.609e+06 / 81
p0 −29.47 ± 7.181e−05
−29.3
−29.4
−29.5
−29.6
−29.7
pull
Entries 82
Mean 304.9
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

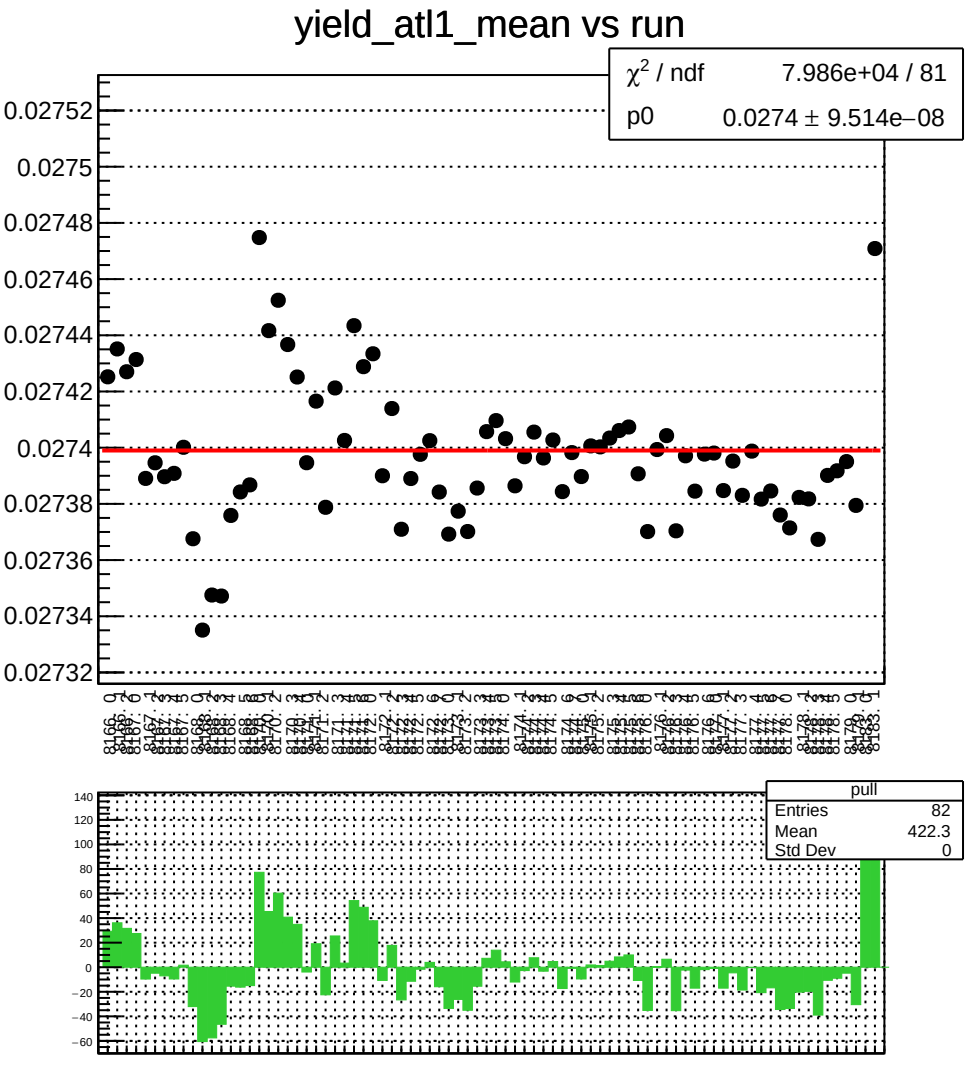

pull1D
Entries 82
Mean 1.523
Std Dev 3.67
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

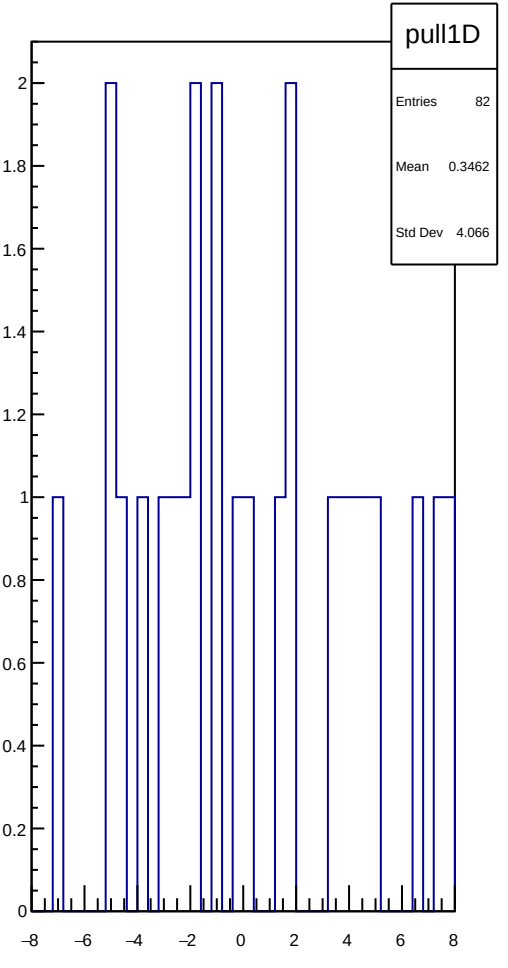

yield_dsl_rms vs run
χ² / ndf 8.411e+04 / 81
p0 0.06217 ± 5.078e−05
0.14
0.12
0.1
0.08
0.06
0.04

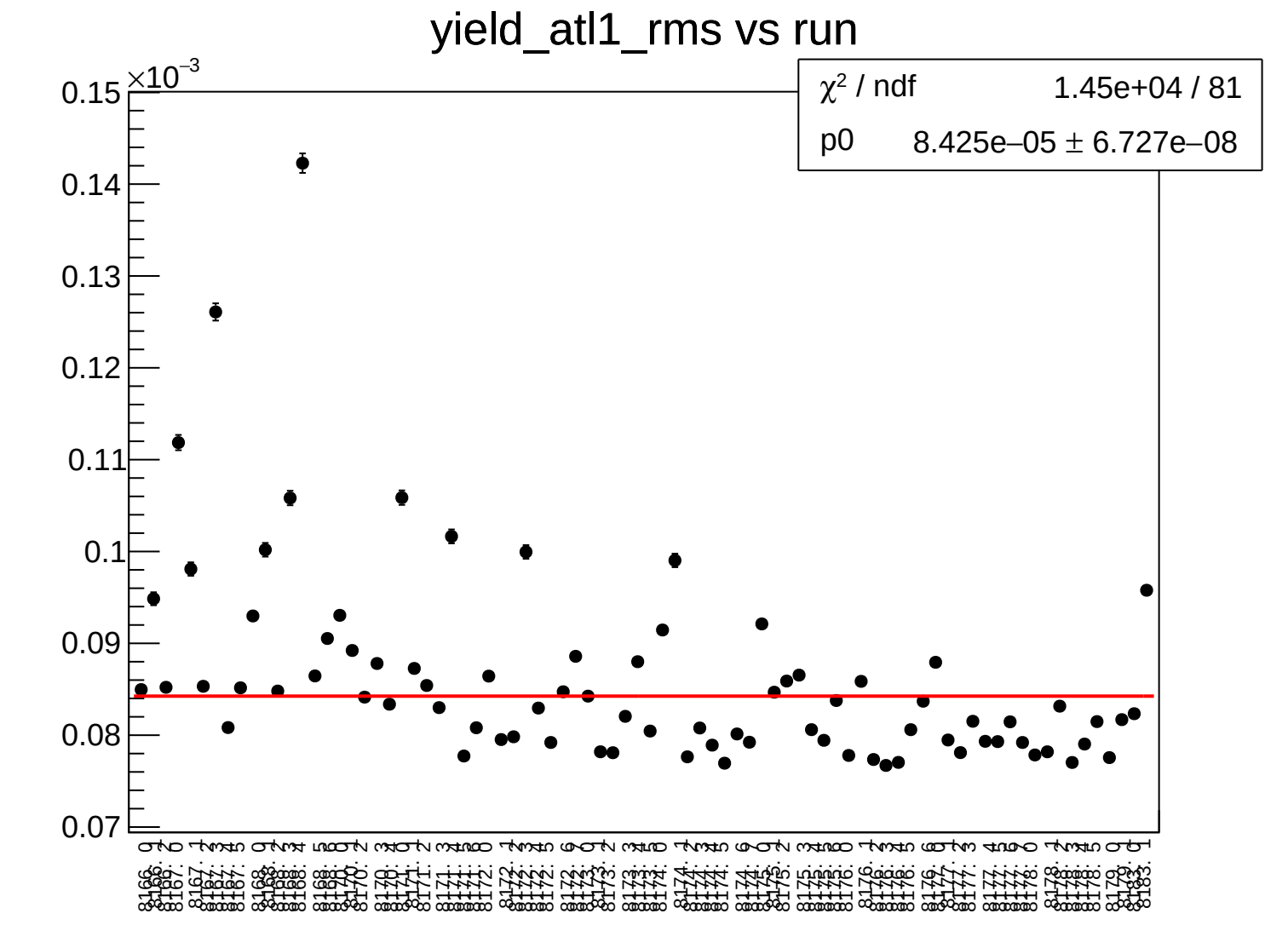

yield_dsr_mean vs run
χ² / ndf 9.043e+05 / 81
p0 −25.49 ± 5.563e−05
−25.4
−25.45
−25.5
−25.55
−25.6
−25.65
pull
Entries 82
Mean −3840
Std Dev 0
200
100
0
−100
−200
−300

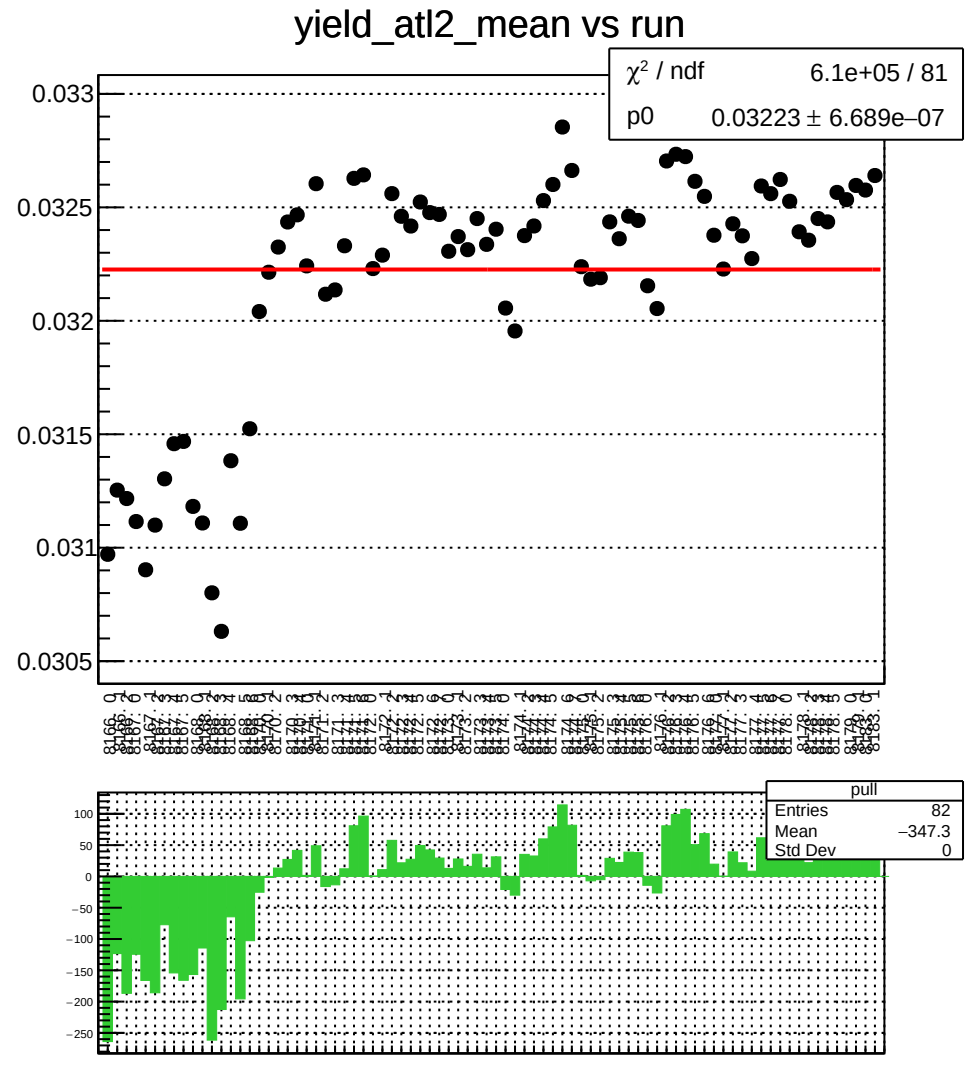

pull1D
Entries 82
Mean 3.741
Std Dev 4.568
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

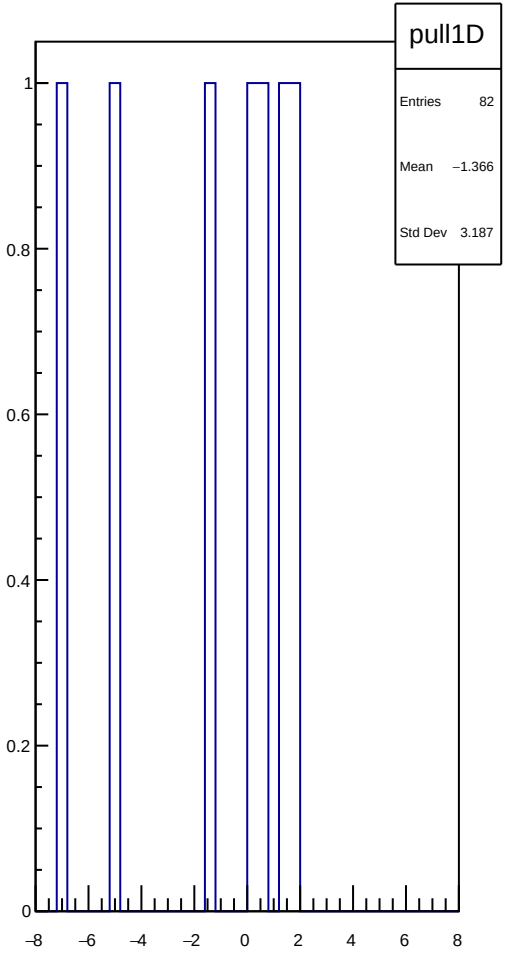

yield_dsr_rms vs run
χ² / ndf 2.961e+04 / 81
p0 0.04902 ± 3.933e−05
0.07
0.065
0.06
0.055
0.05
0.045
0.04

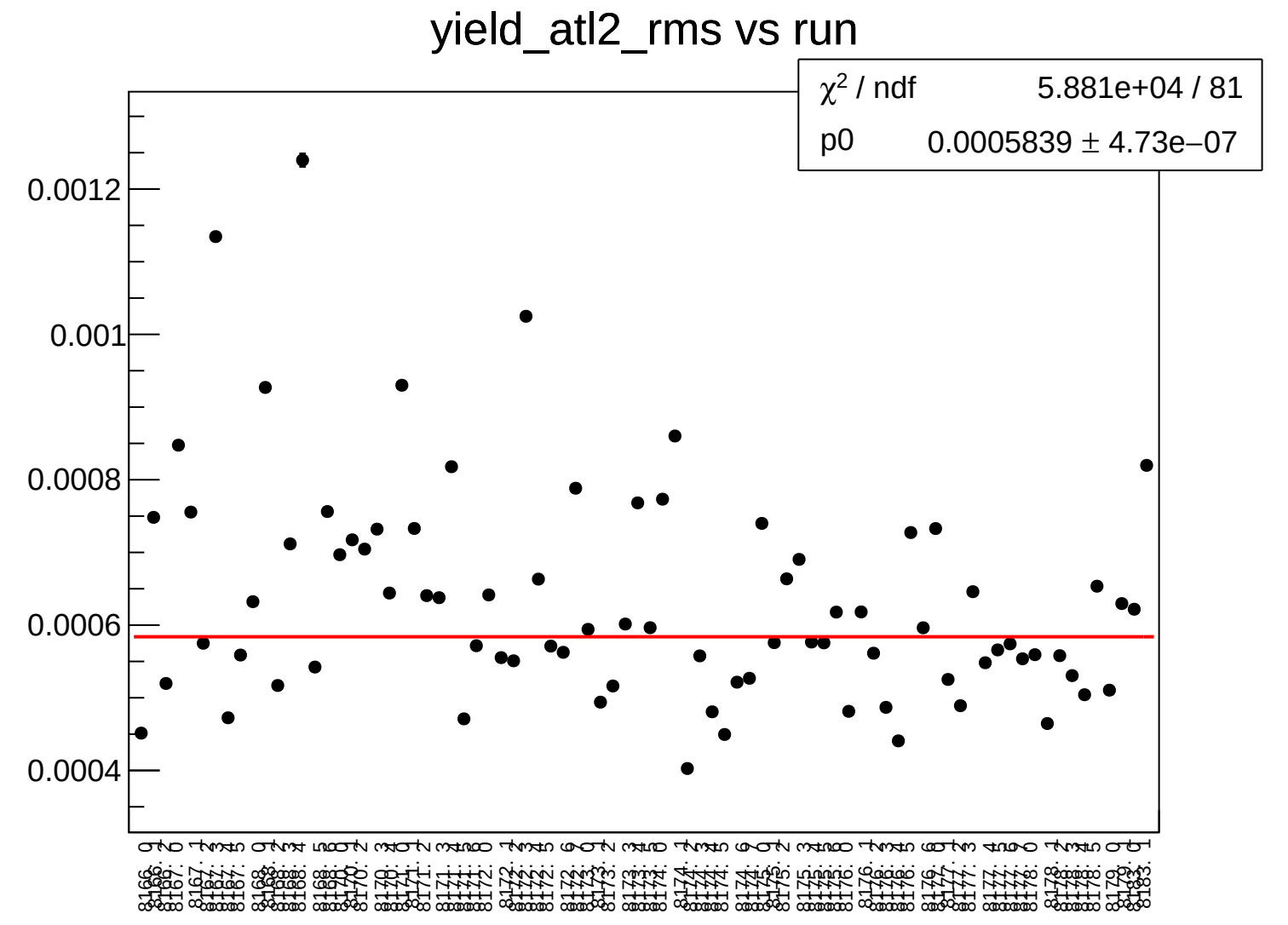

yield_atl1_mean vs run
χ² / ndf 7.986e+04 / 81
p0 0.0274 ± 9.514e−08
0.02752
0.0275
0.02748
0.02746
0.02744
0.02742
0.0274
0.02738
0.02736
0.02734
0.02732
pull
Entries 82
Mean 422.3
Std Dev 0
140
120
100
80
60
40
20
0
−20
−40
−60

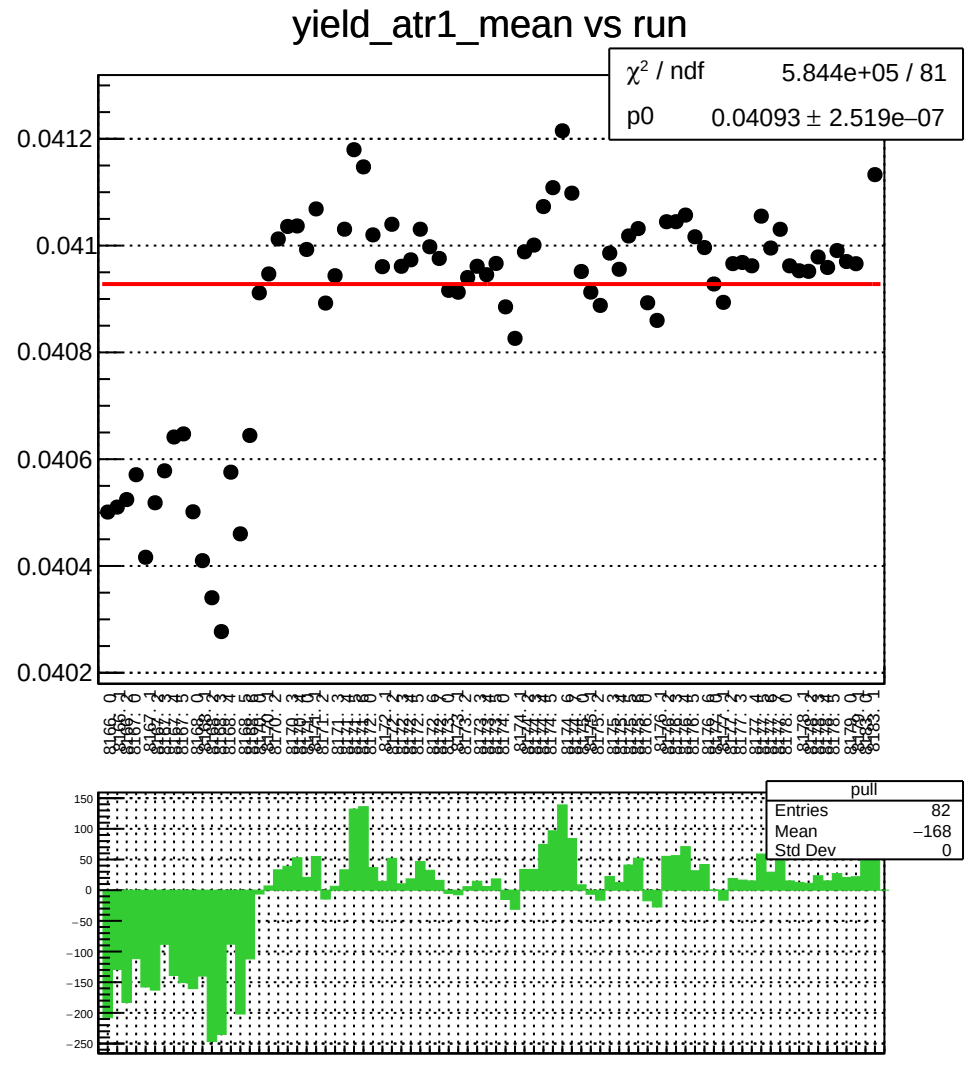

pull1D
Entries 82
Mean 0.3462
Std Dev 4.066
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

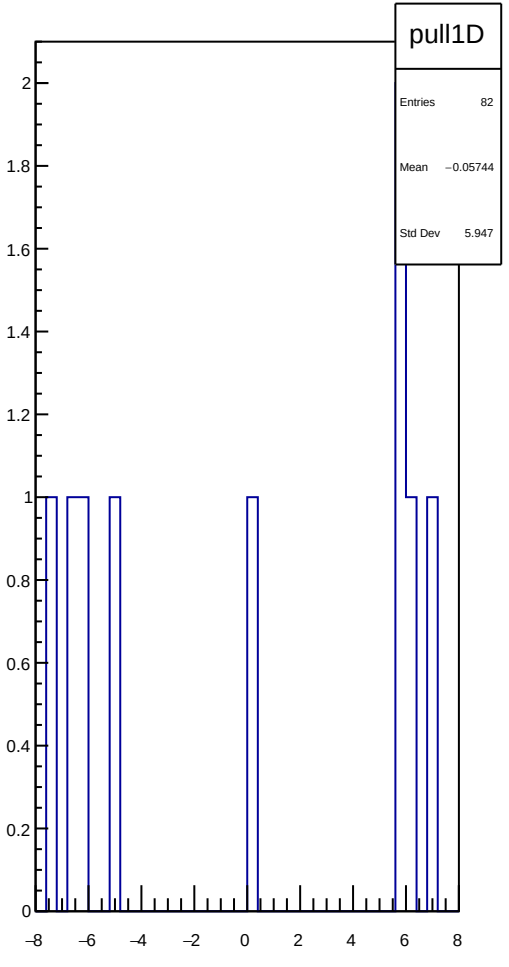

yield_atl1_rms vs run
×10⁻³
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
χ² / ndf 1.45e+04 / 81
p0 8.425e−05 ± 6.727e−08

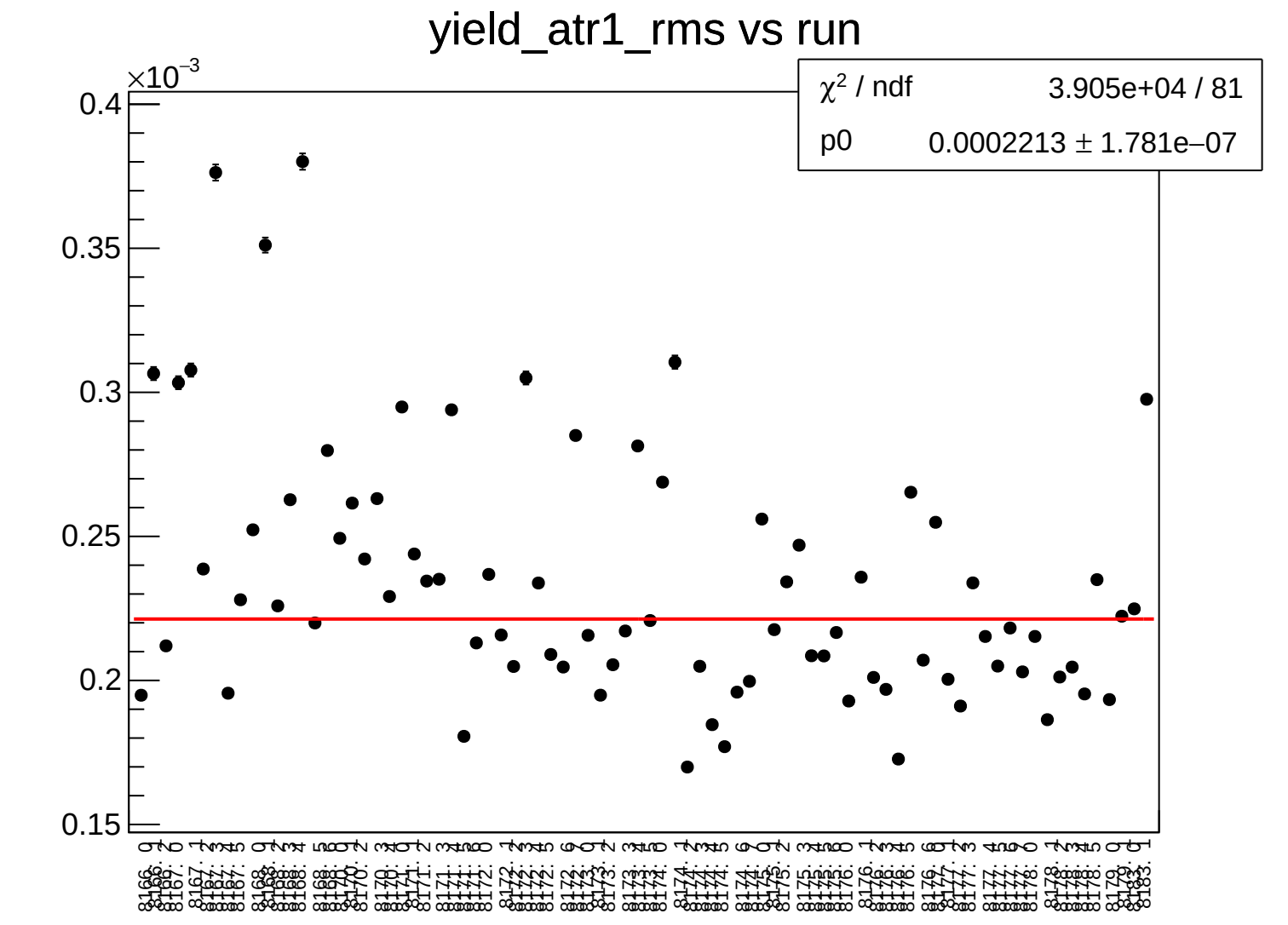

yield_atl2_mean vs run
χ² / ndf 6.1e+05 / 81
p0 0.03223 ± 6.689e−07
0.033
0.0325
0.032
0.0315
0.031
0.0305
pull
Entries 82
Mean −347.3
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

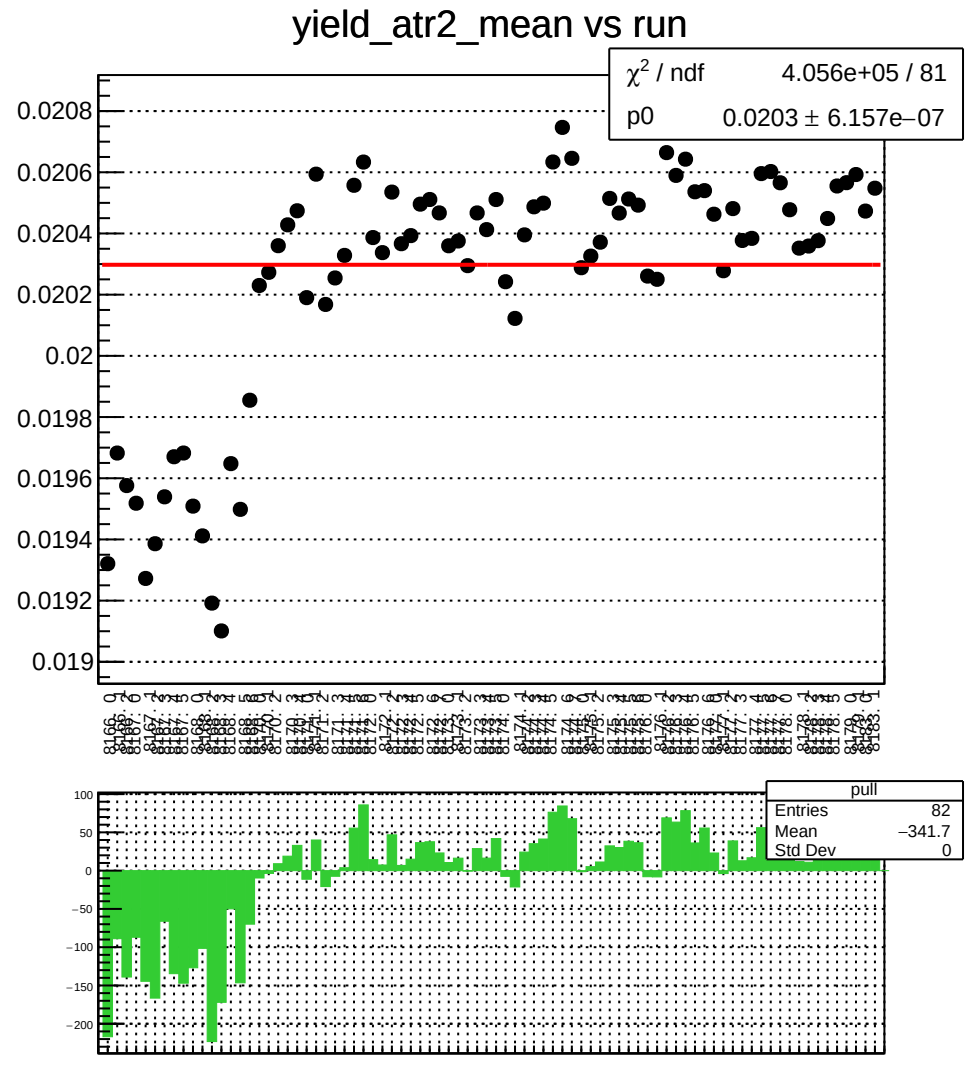

pull1D
Entries 82
Mean −1.366
Std Dev 3.187
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

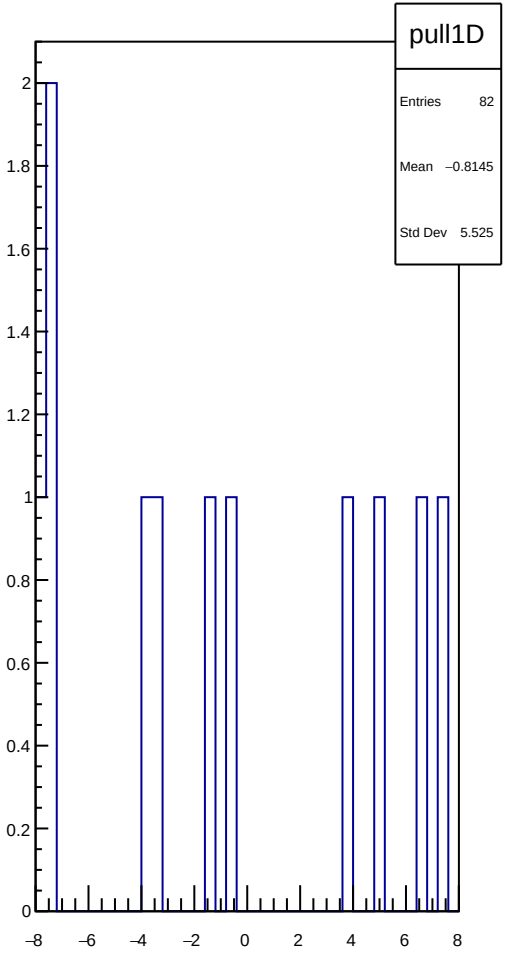

yield_atl2_rms vs run
χ^2 / ndf 5.881e+04 / 81
p0 0.0005839 ± 4.73e−07
0.0012
0.001
0.0008
0.0006
0.0004


yield_atr1_mean vs run
χ² / ndf 5.844e+05 / 81
p0 0.04093 ± 2.519e−07
0.0412
0.041
0.0408
0.0406
0.0404
0.0402
pull
Entries 82
Mean −168
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

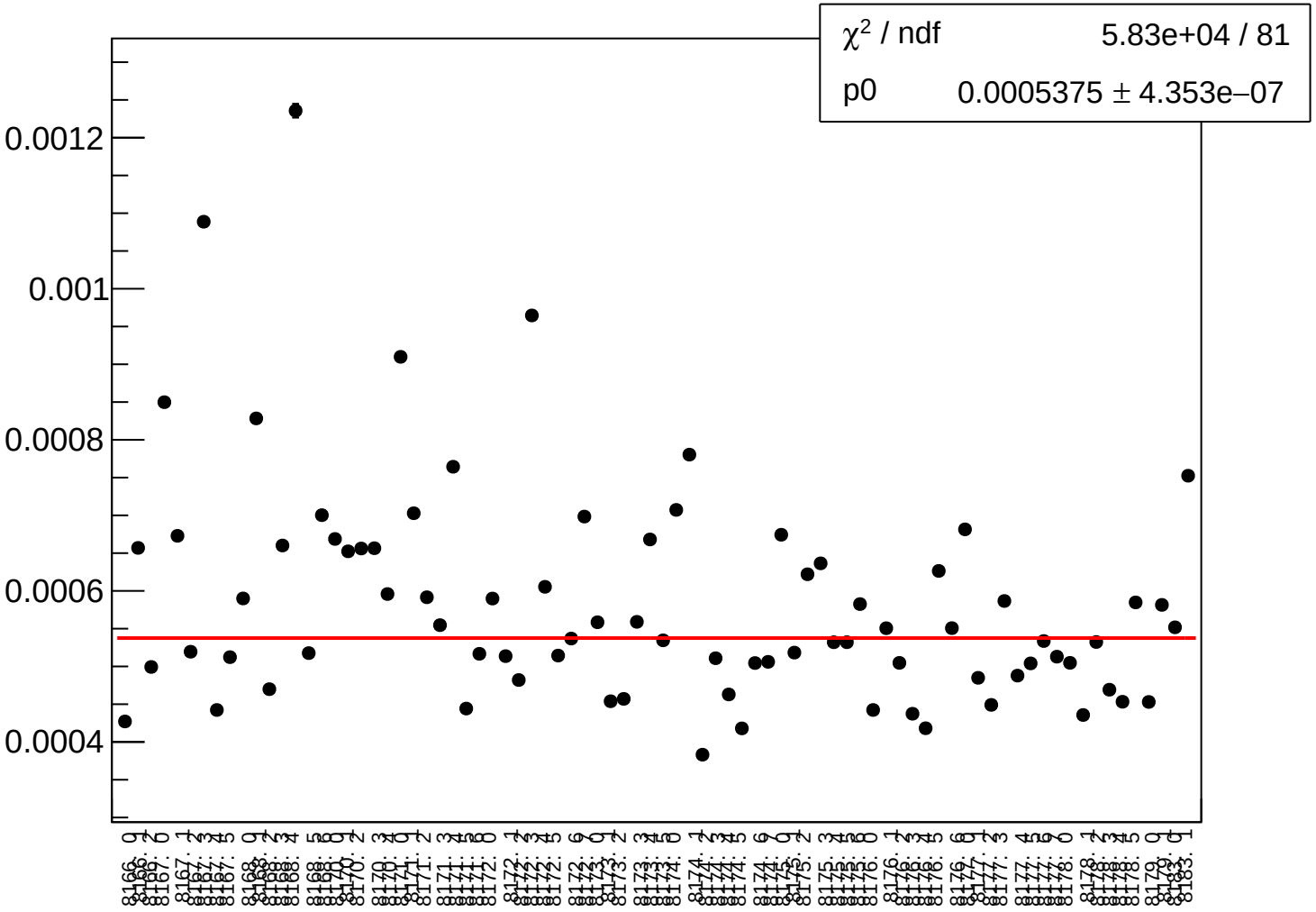

pull1D
Entries 82
Mean −0.05744
Std Dev 5.947
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

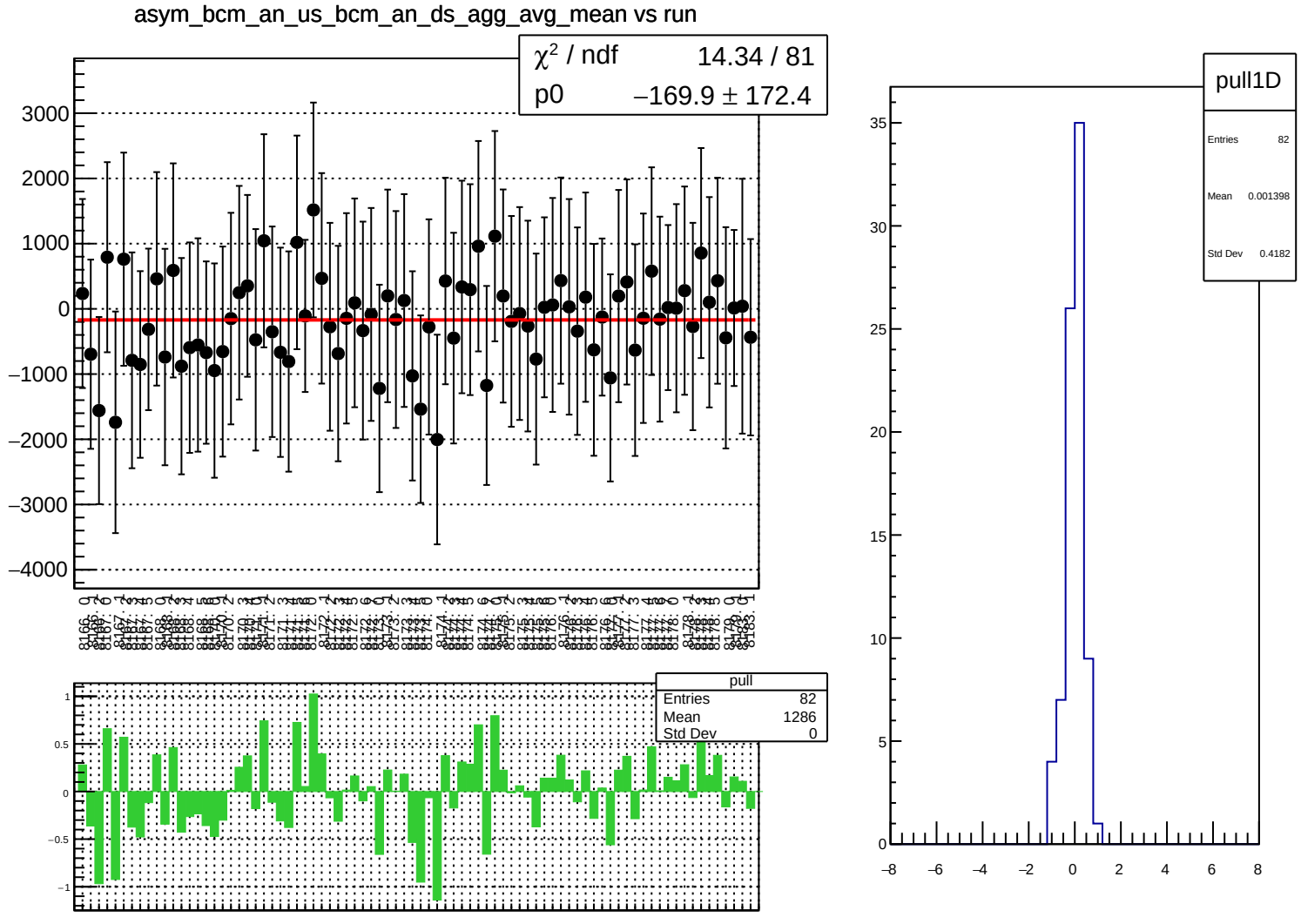

yield_atr1_rms vs run
×10⁻³
0.4
0.35
0.3
0.25
0.2
0.15
χ² / ndf 3.905e+04 / 81
p0 0.0002213 ± 1.781e−07

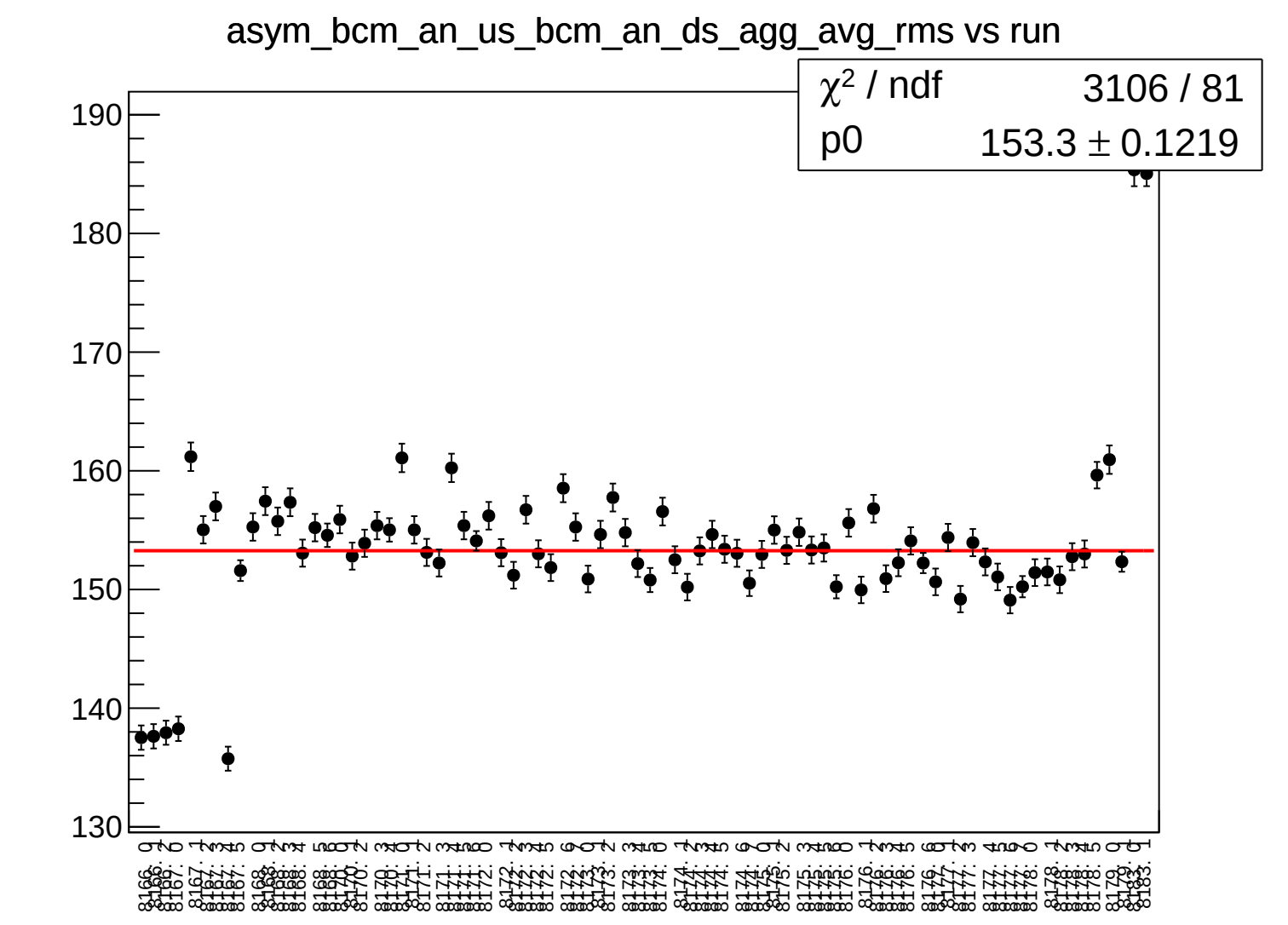

yield_atr2_mean vs run
χ² / ndf 4.056e+05 / 81
p0 0.0203 ± 6.157e−07
0.0208
0.0206
0.0204
0.0202
0.02
0.0198
0.0196
0.0194
0.0192
0.019
pull
Entries 82
Mean −341.7
Std Dev 0
100
50
0
−50
−100
−150
−200

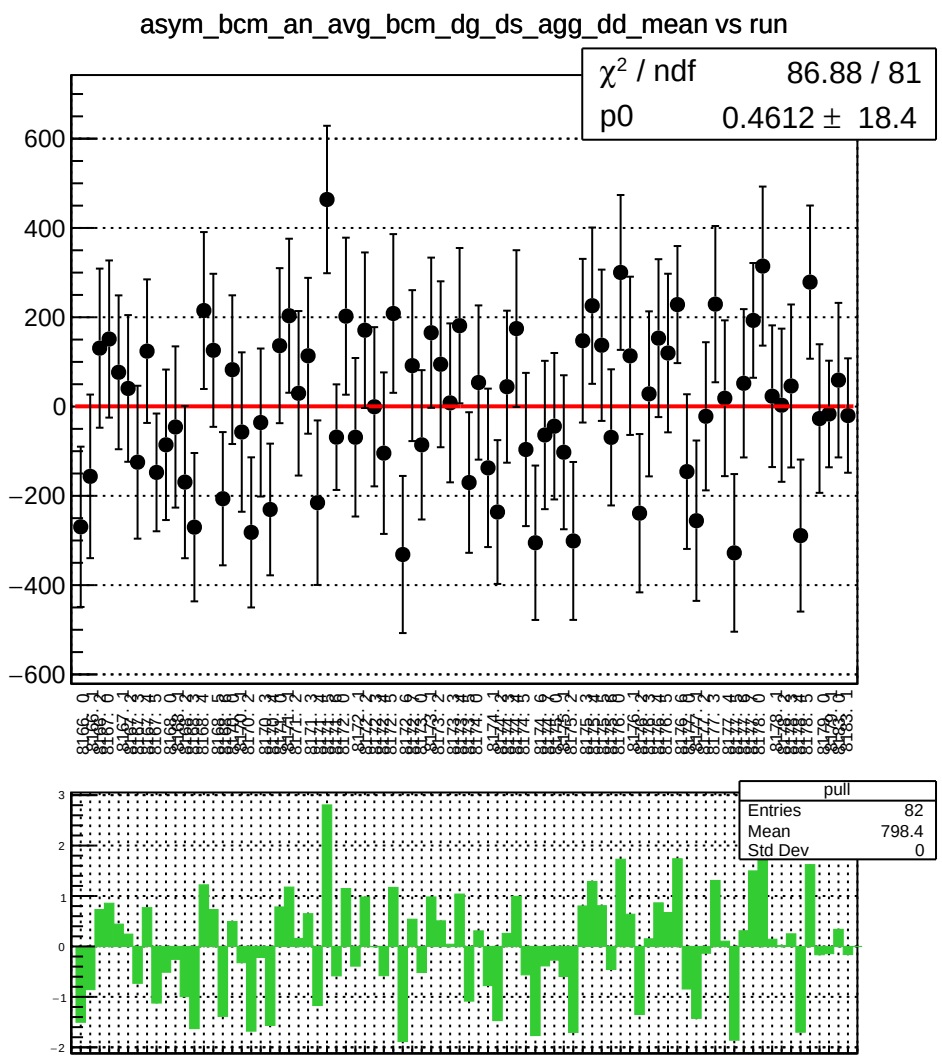

pull1D
Entries 82
Mean −0.8145
Std Dev 5.525
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

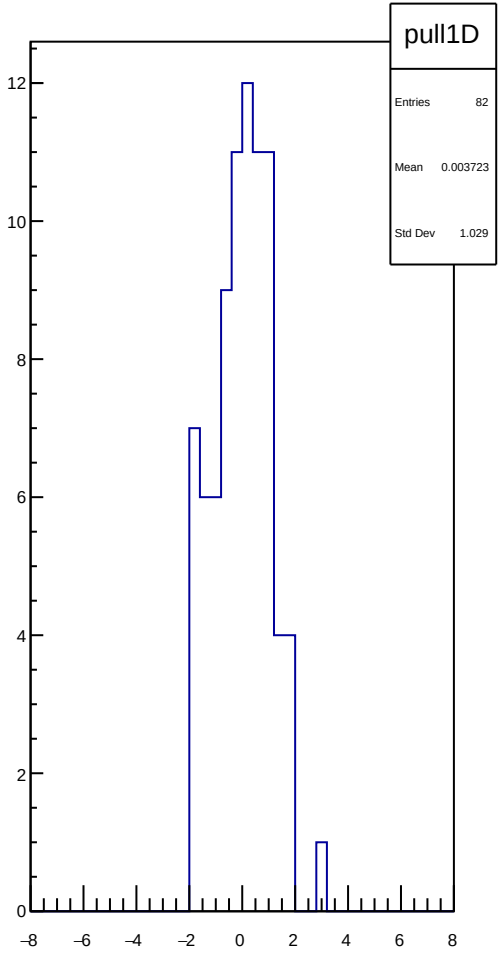
yield_atr2_rms vs run

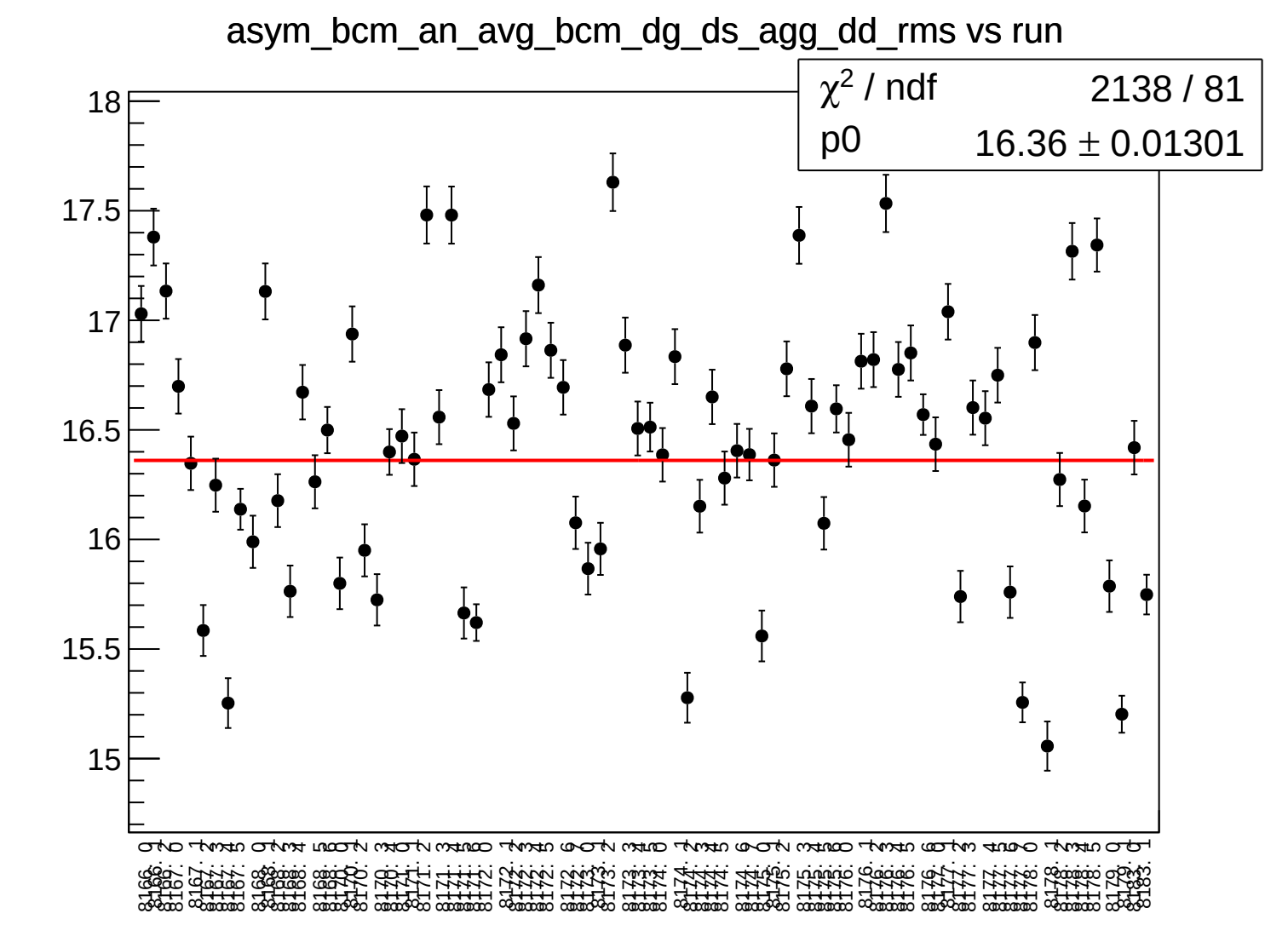


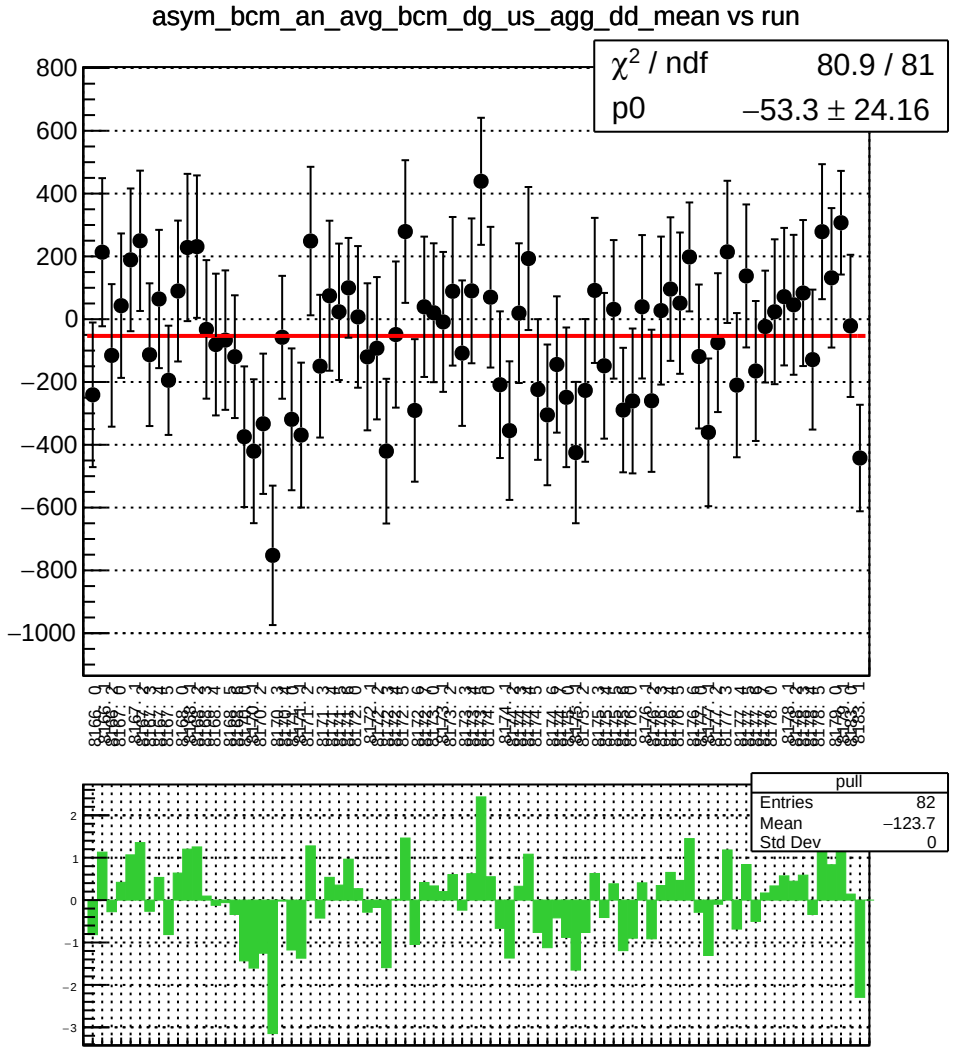

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.34 / 81
p0 −169.9 ± 172.4
pull
Entries 82
Mean 1286
Std Dev 0
pull1D
Entries 82
Mean 0.001398
Std Dev 0.4182

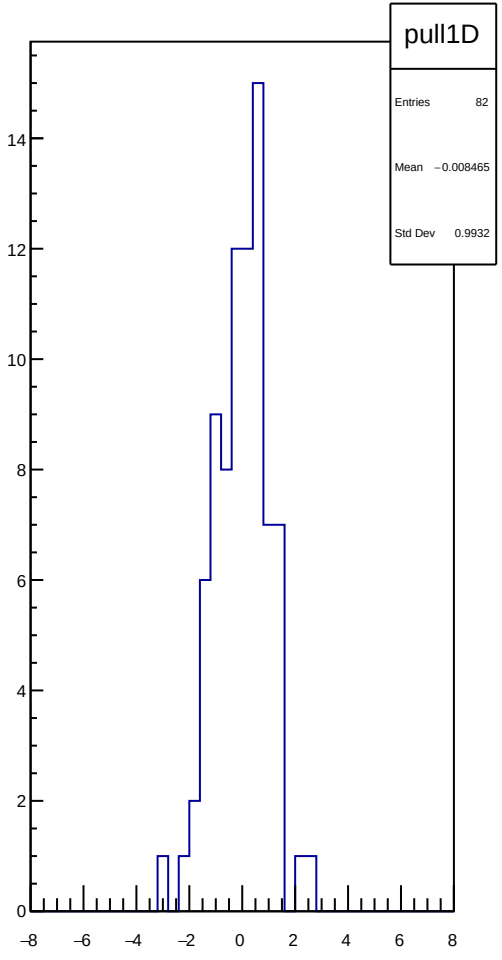

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3106 / 81
p0 153.3 ± 0.1219
190
180
170
160
150
140
130

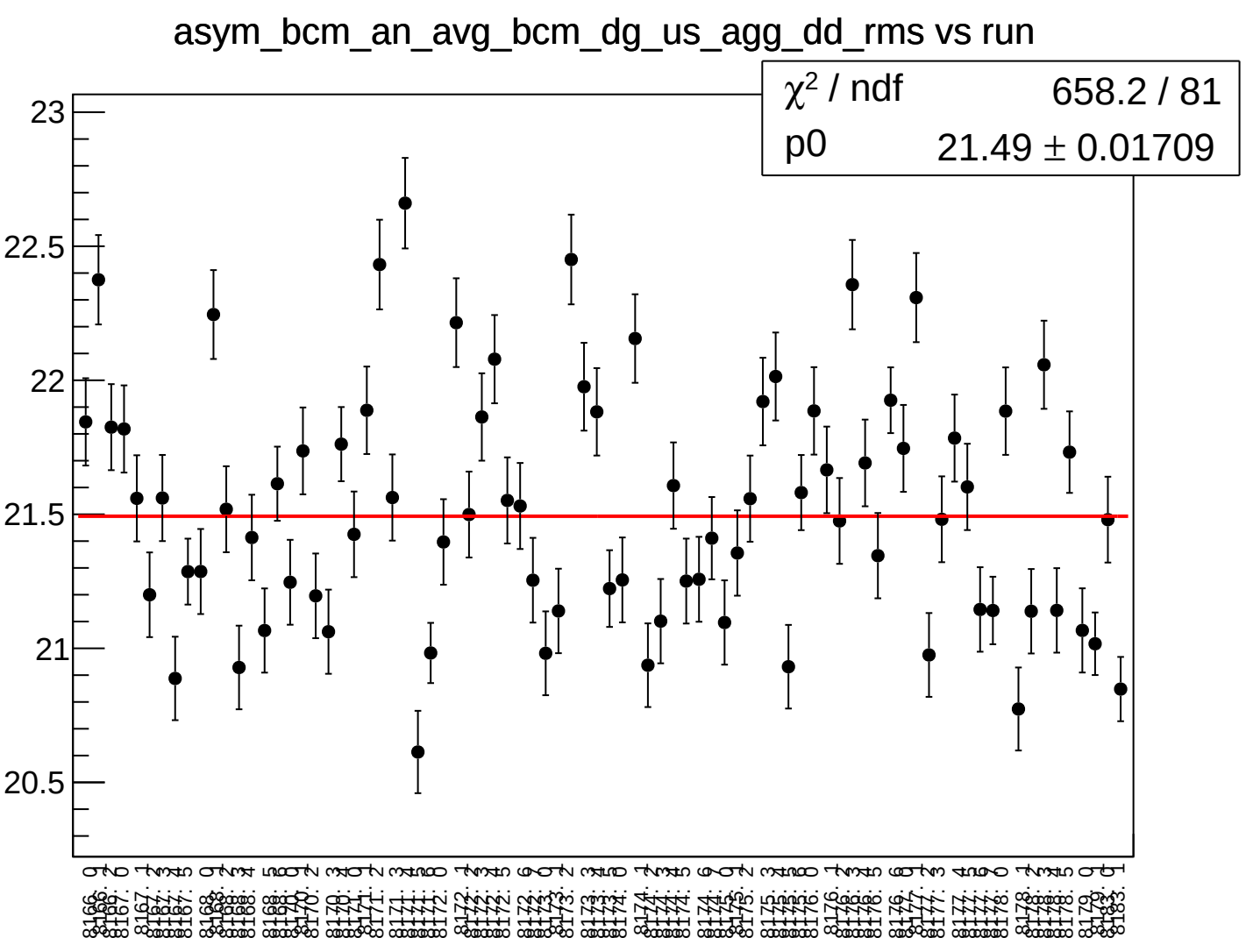

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 86.88 / 81
p0 0.4612 ± 18.4
pull
Entries 82
Mean 798.4
Std Dev 0

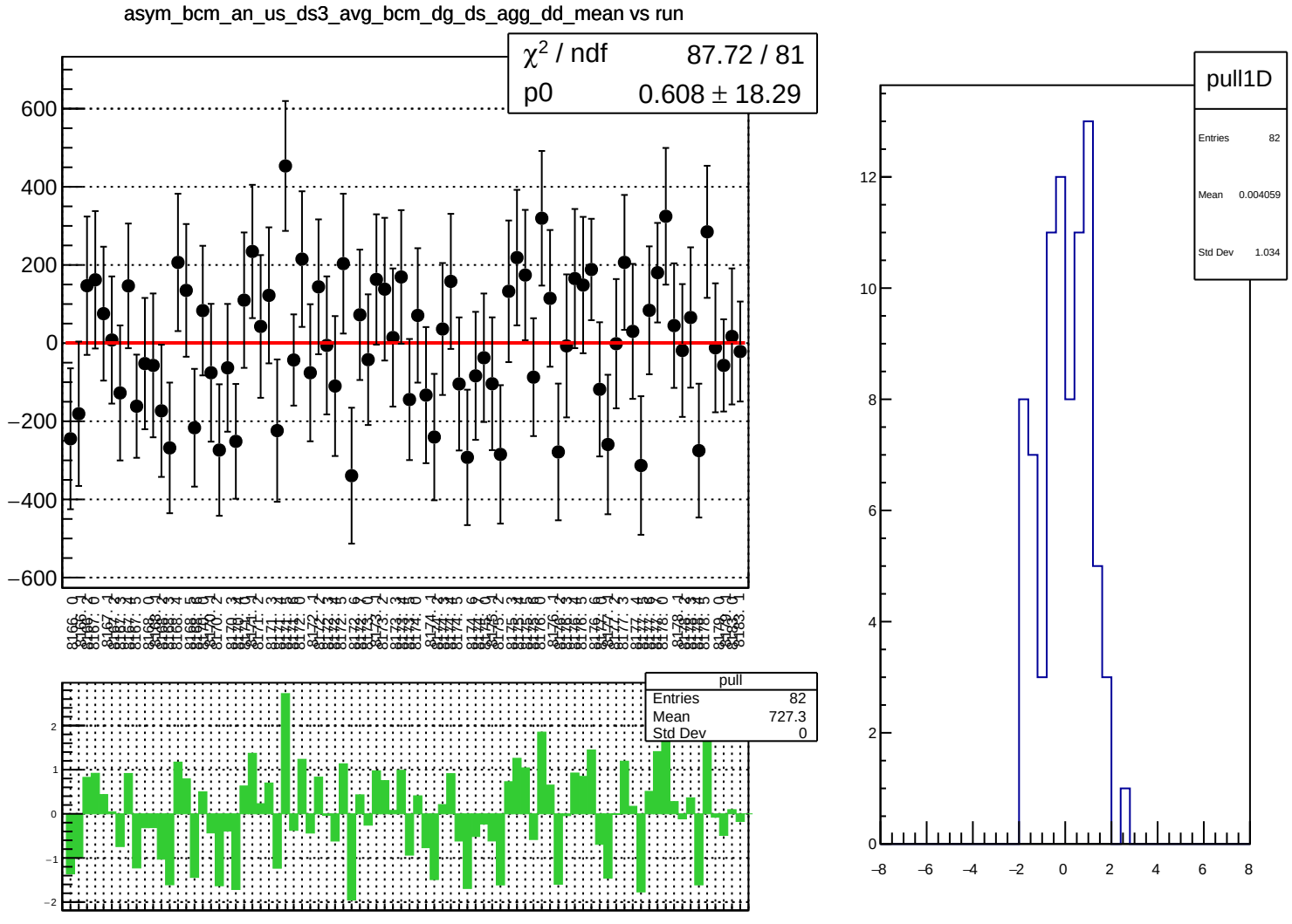

pull1D
Entries 82
Mean 0.003723
Std Dev 1.029

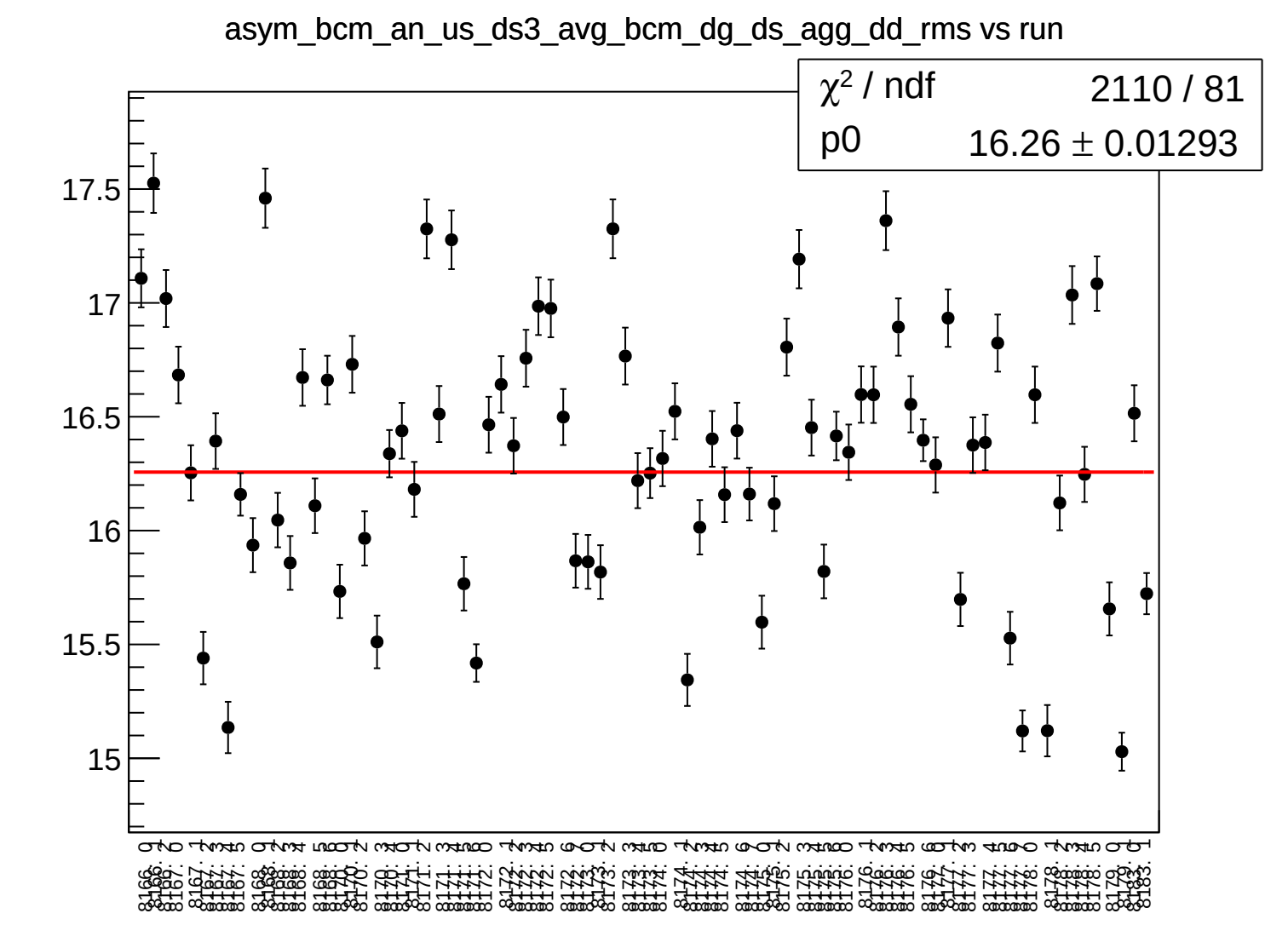

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2138 / 81
p0 16.36 ± 0.01301
18
17.5
17
16.5
16
15.5
15

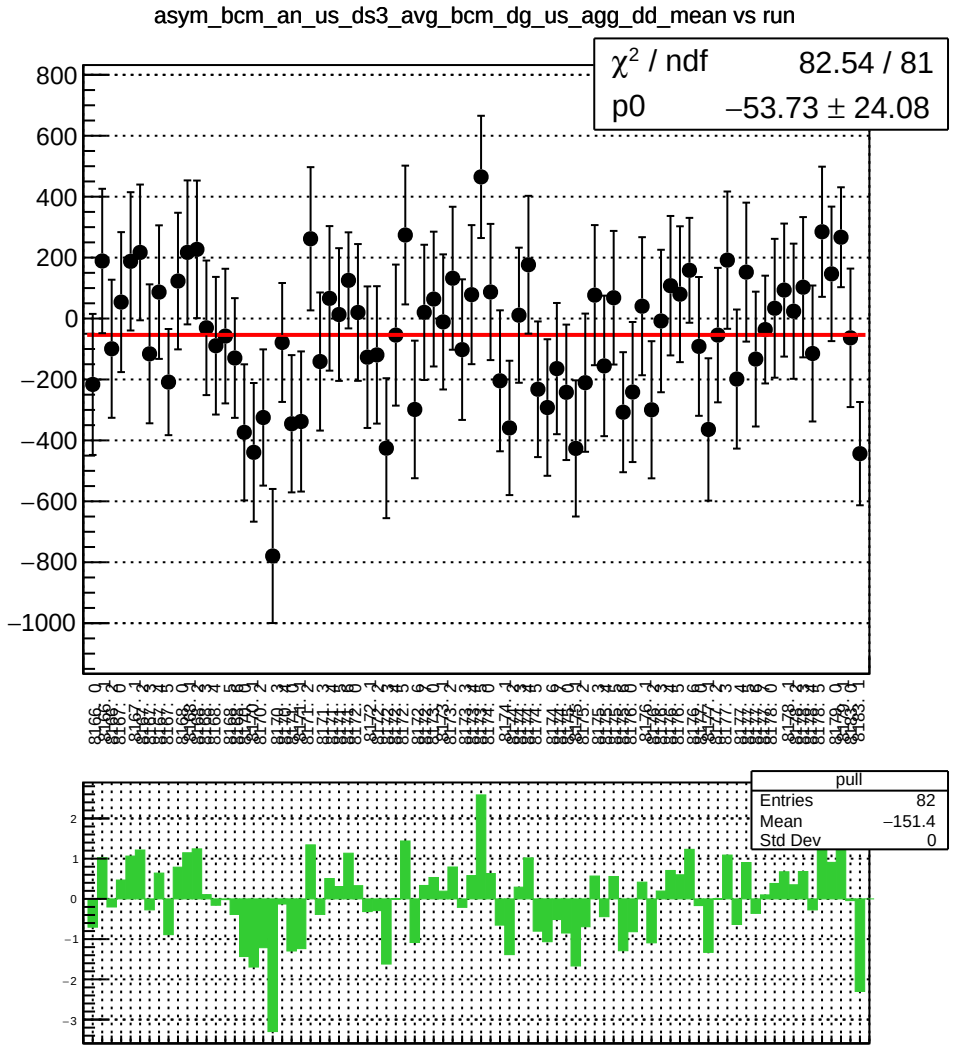

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 80.9 / 81
p0 −53.3 ± 24.16
pull
Entries 82
Mean −123.7
Std Dev 0

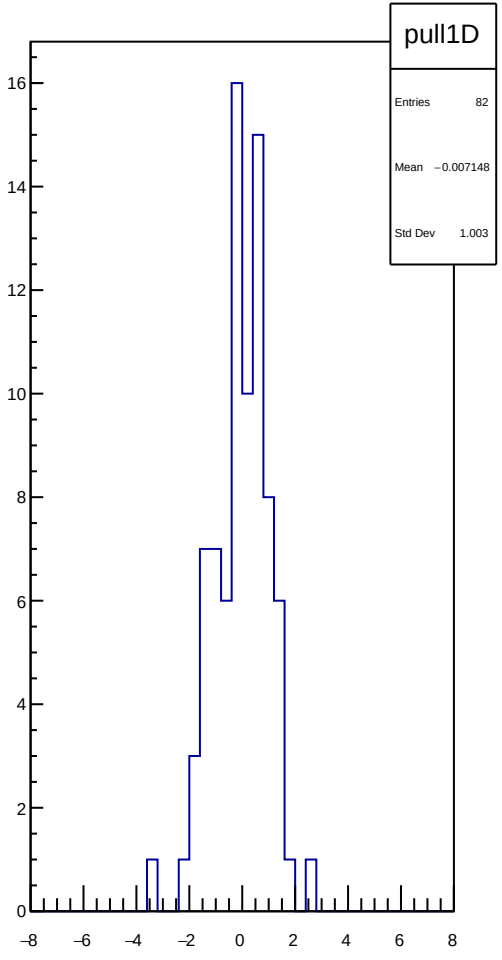

pull1D
Entries 82
Mean −0.008465
Std Dev 0.9932

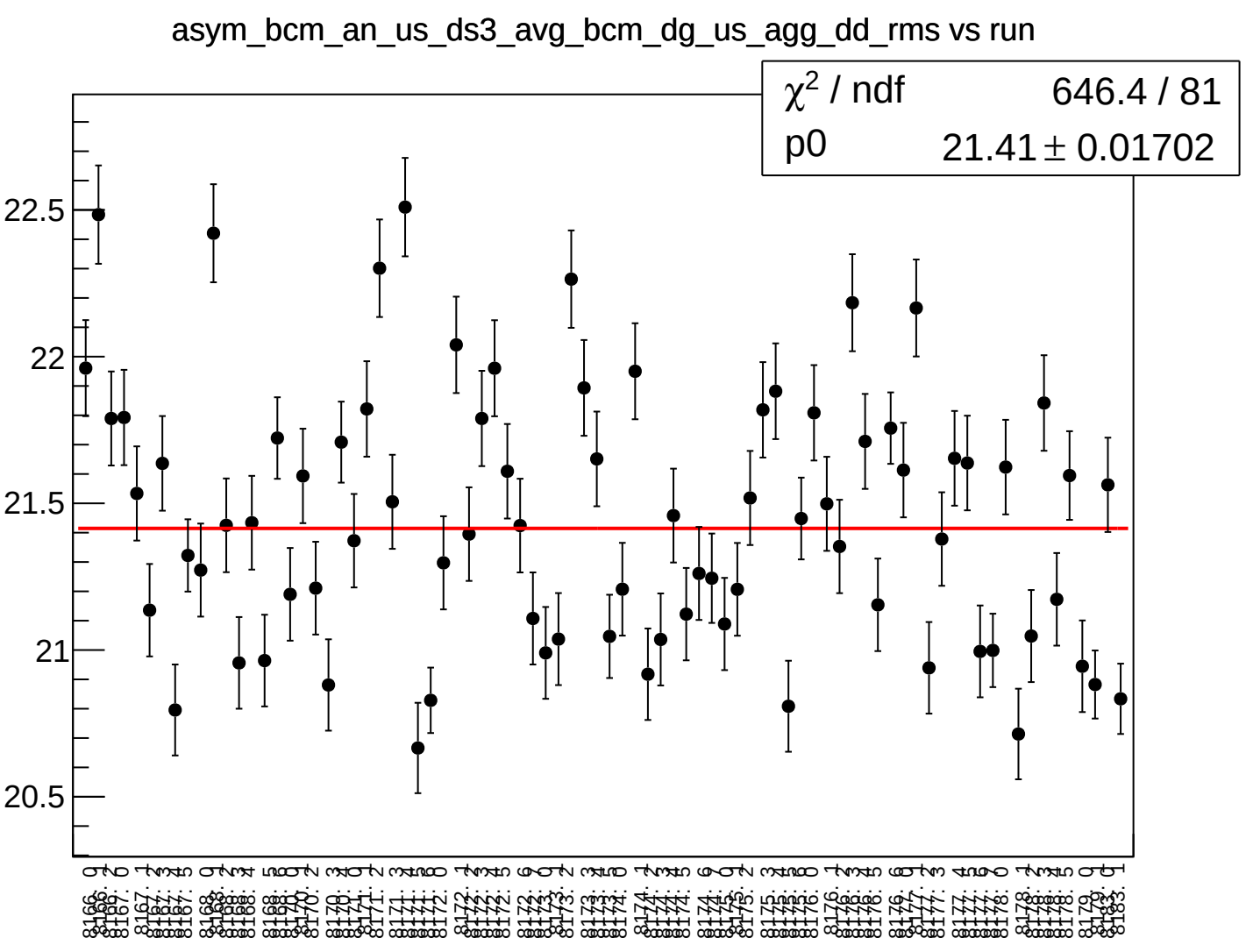

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 658.2 / 81
p0 21.49 ± 0.01709
23
22.5
22
21.5
21
20.5

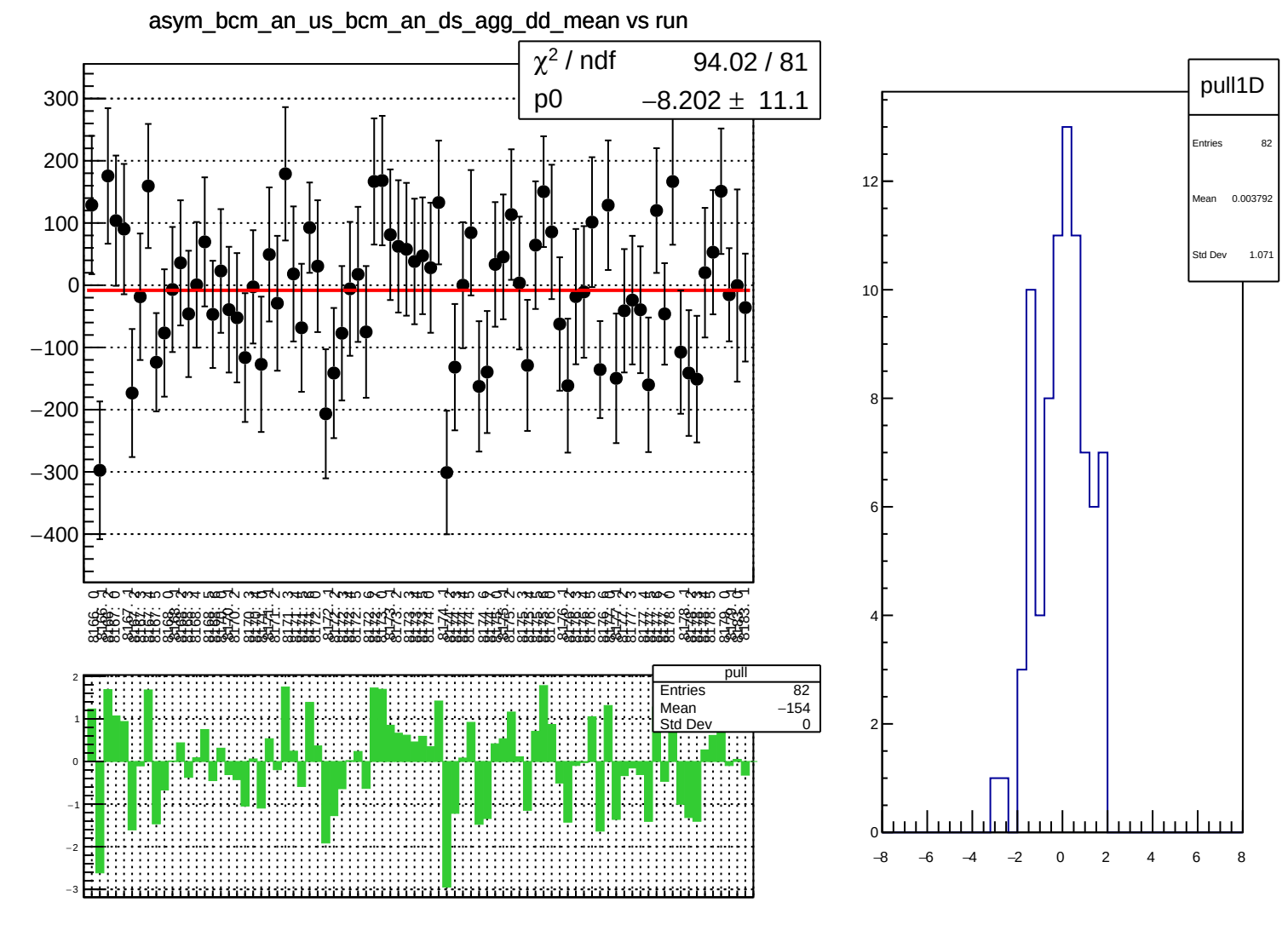

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 87.72 / 81
p0 0.608 ± 18.29
pull
Entries 82
Mean 727.3
Std Dev 0
pull1D
Entries 82
Mean 0.004059
Std Dev 1.034

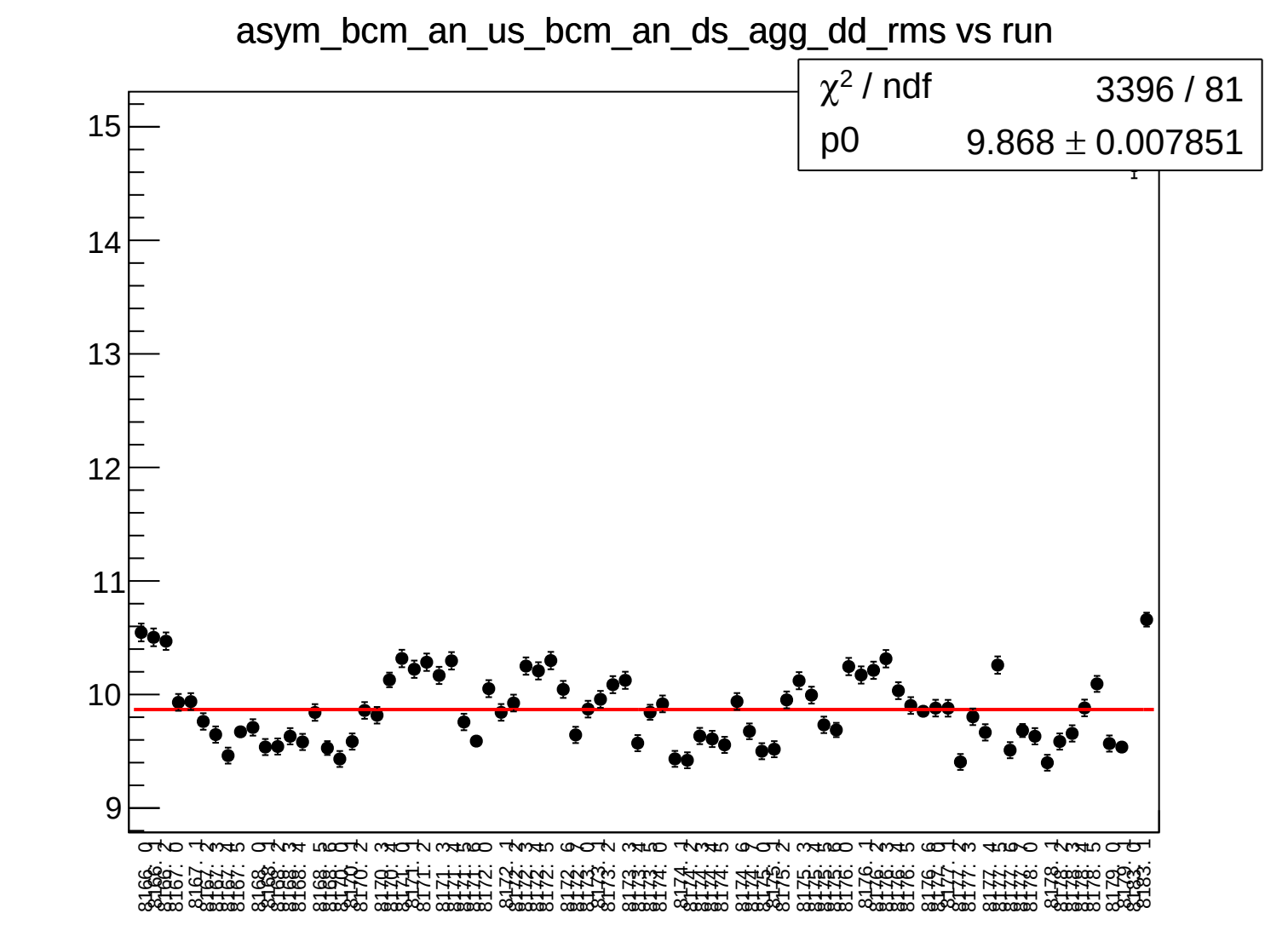

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2110 / 81
p0 16.26 ± 0.01293
17.5
17
16.5
16
15.5
15

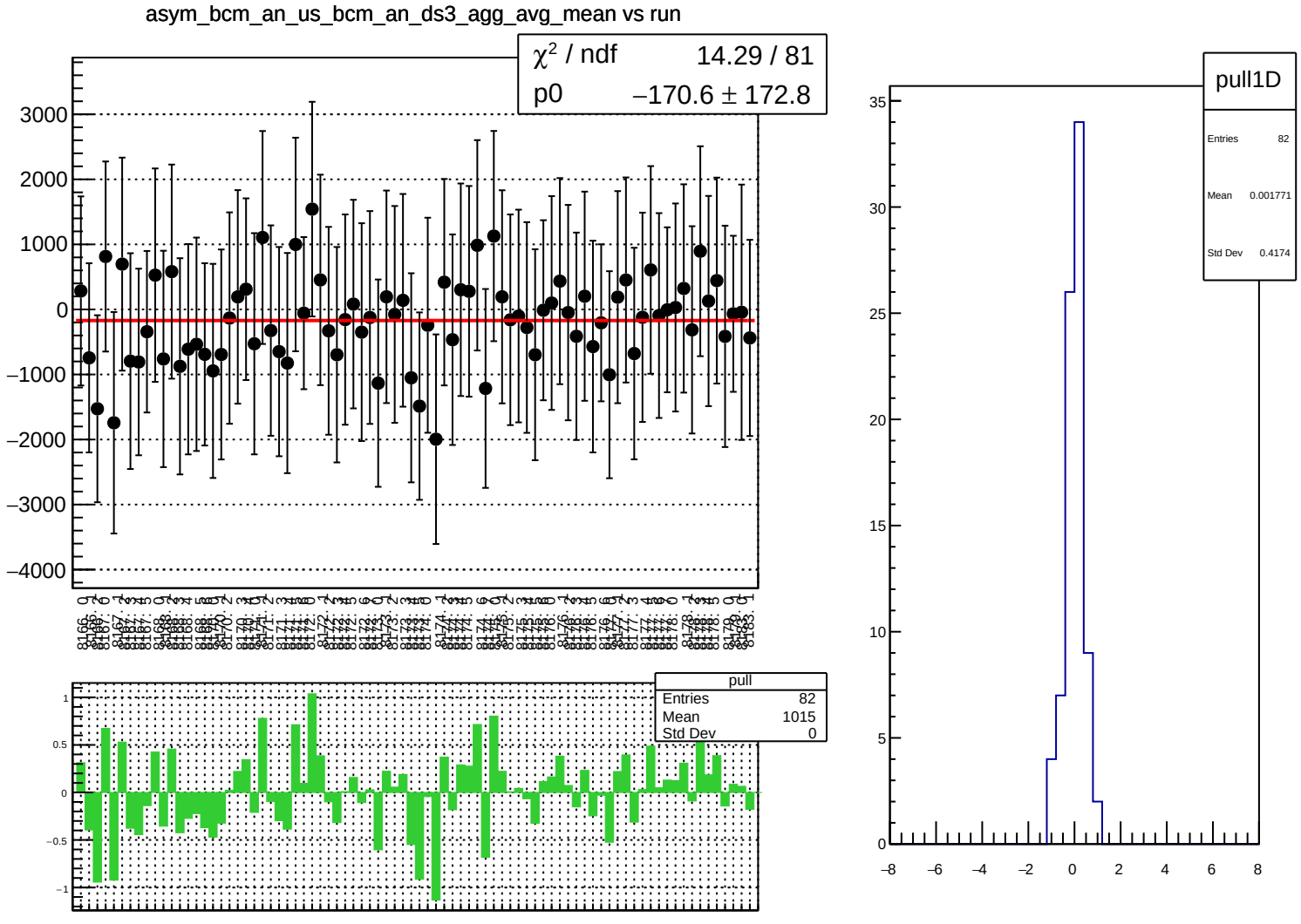

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 82.54 / 81
p0 −53.73 ± 24.08
pull
Entries 82
Mean −151.4
Std Dev 0

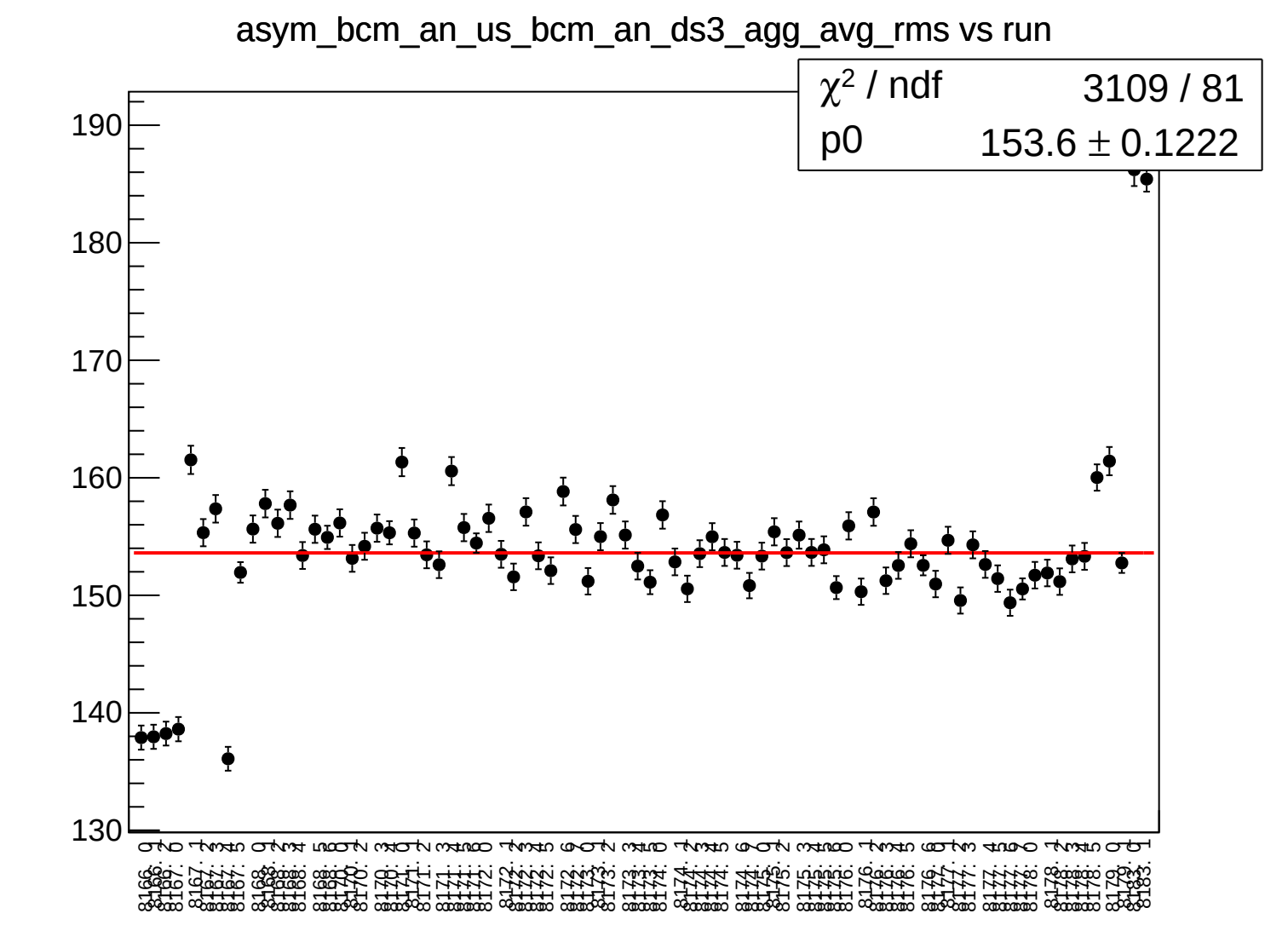

pull1D
Entries 82
Mean −0.007148
Std Dev 1.003

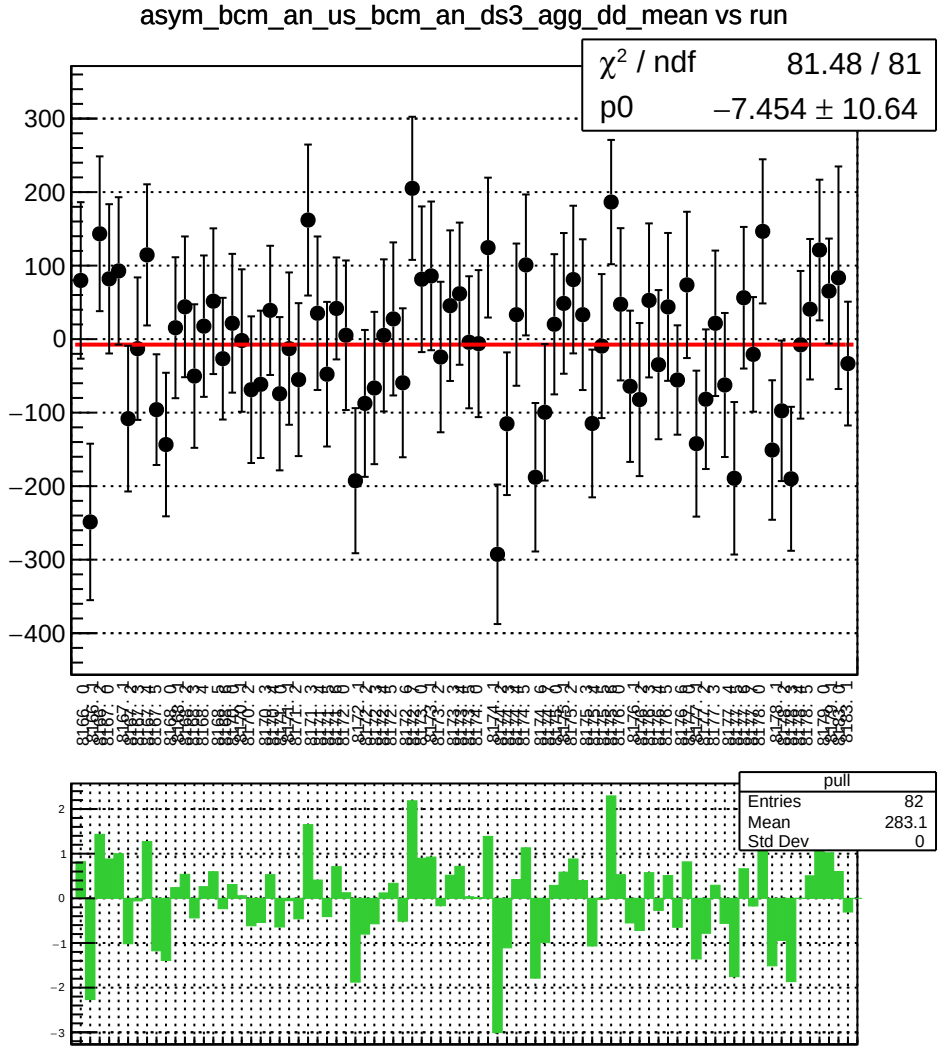

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 646.4 / 81
p0 21.41 ± 0.01702
22.5
22
21.5
21
20.5

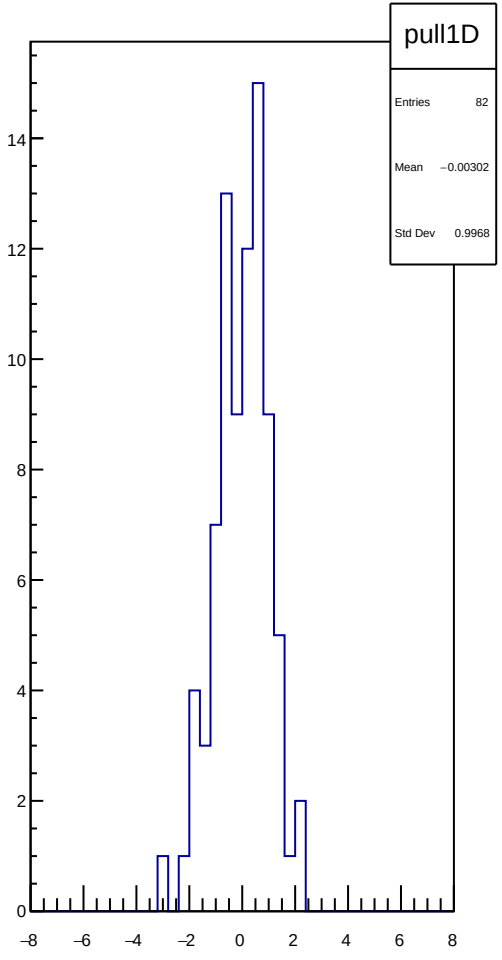

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 94.02 / 81
p0 −8.202 ± 11.1
pull
Entries 82
Mean −154
Std Dev 0
pull1D
Entries 82
Mean 0.003792
Std Dev 1.071

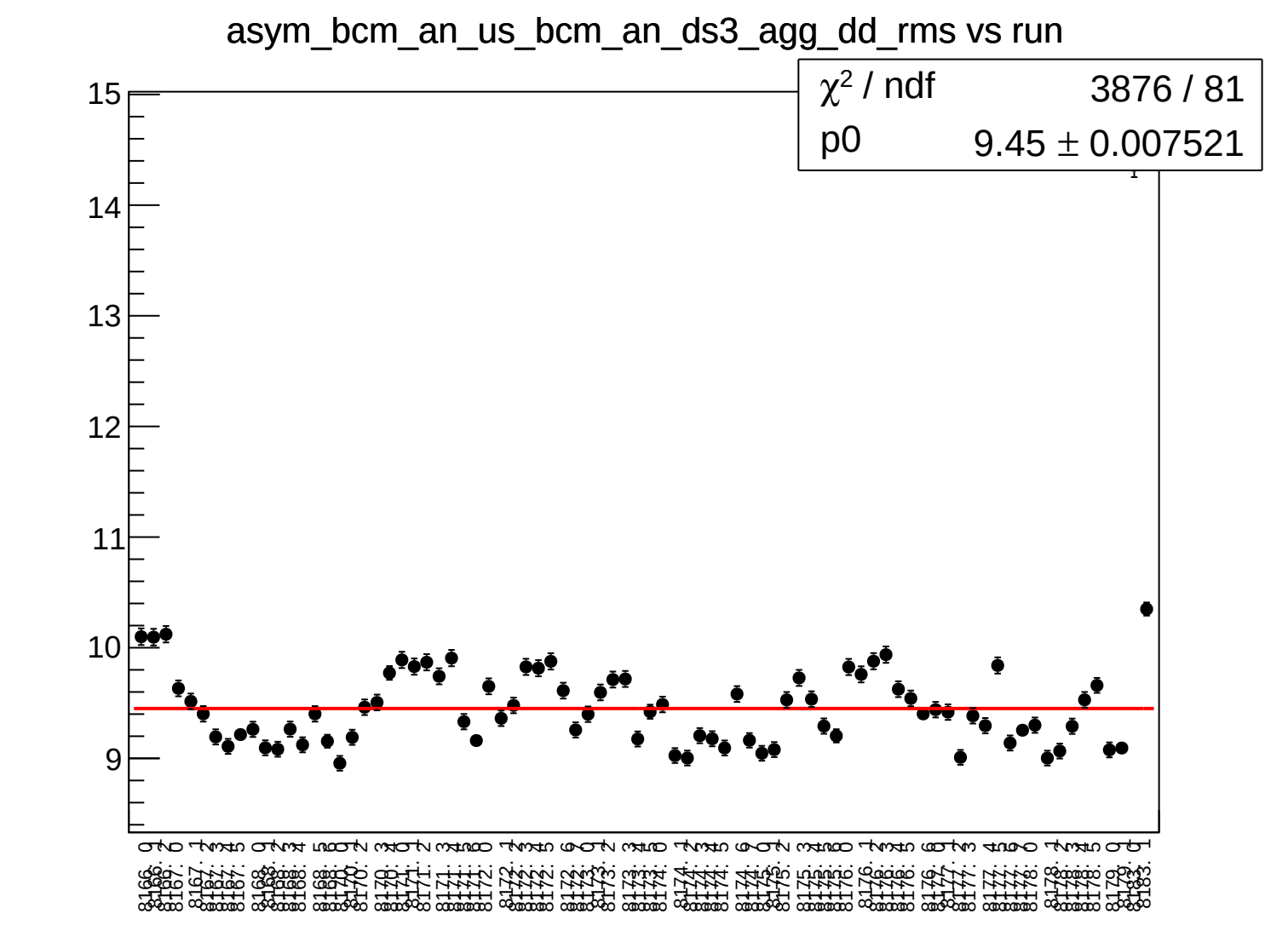

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3396 / 81
p0 9.868 ± 0.007851
15
14
13
12
11
10
9

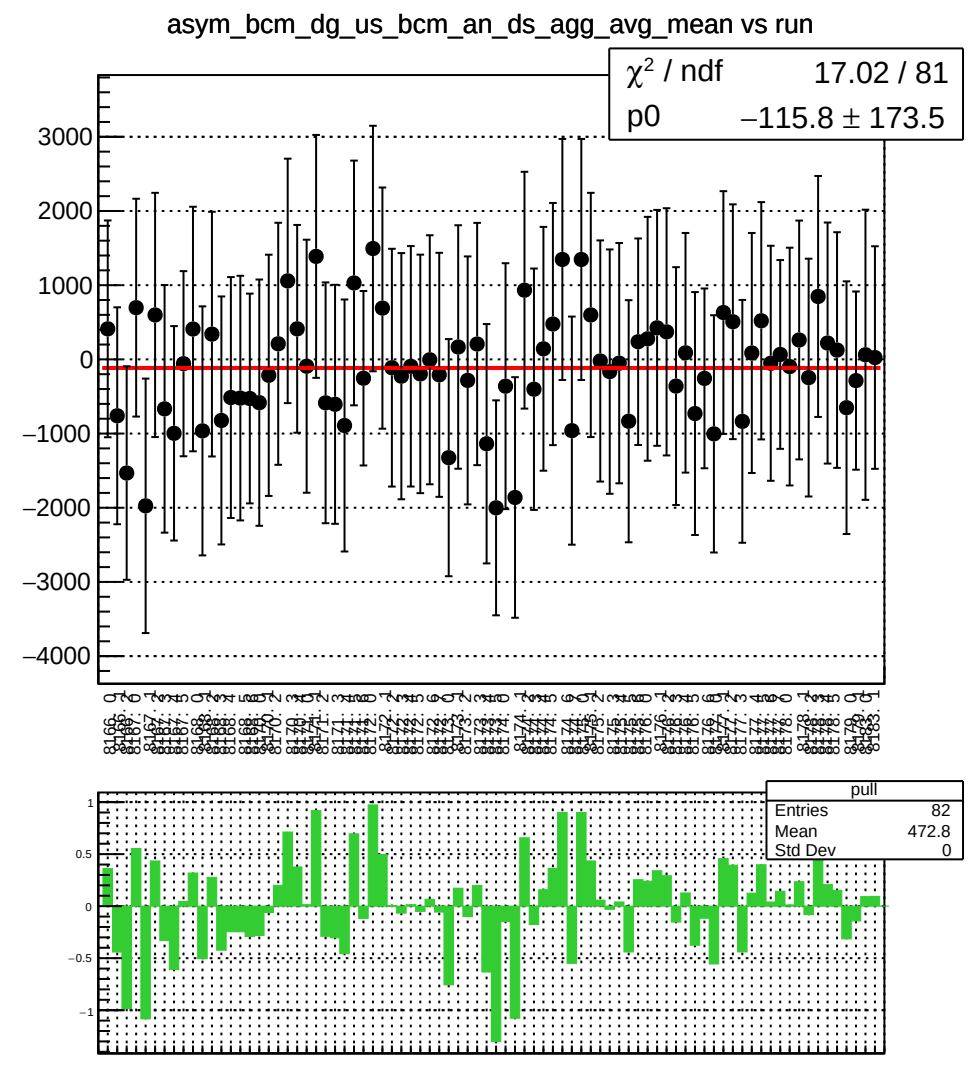

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 14.29 / 81
p0 −170.6 ± 172.8
pull
Entries 82
Mean 1015
Std Dev 0
pull1D
Entries 82
Mean 0.001771
Std Dev 0.4174

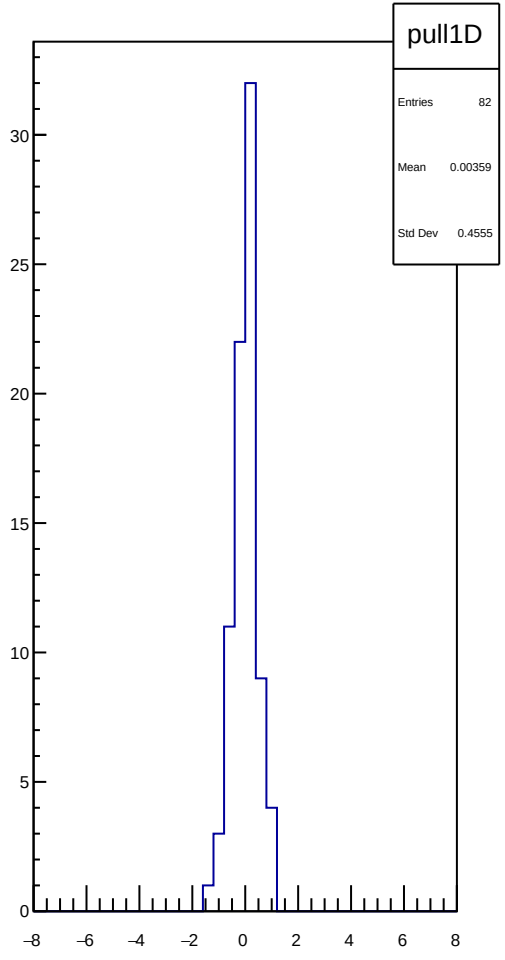

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3109 / 81
p0 153.6 ± 0.1222
190
180
170
160
150
140
130

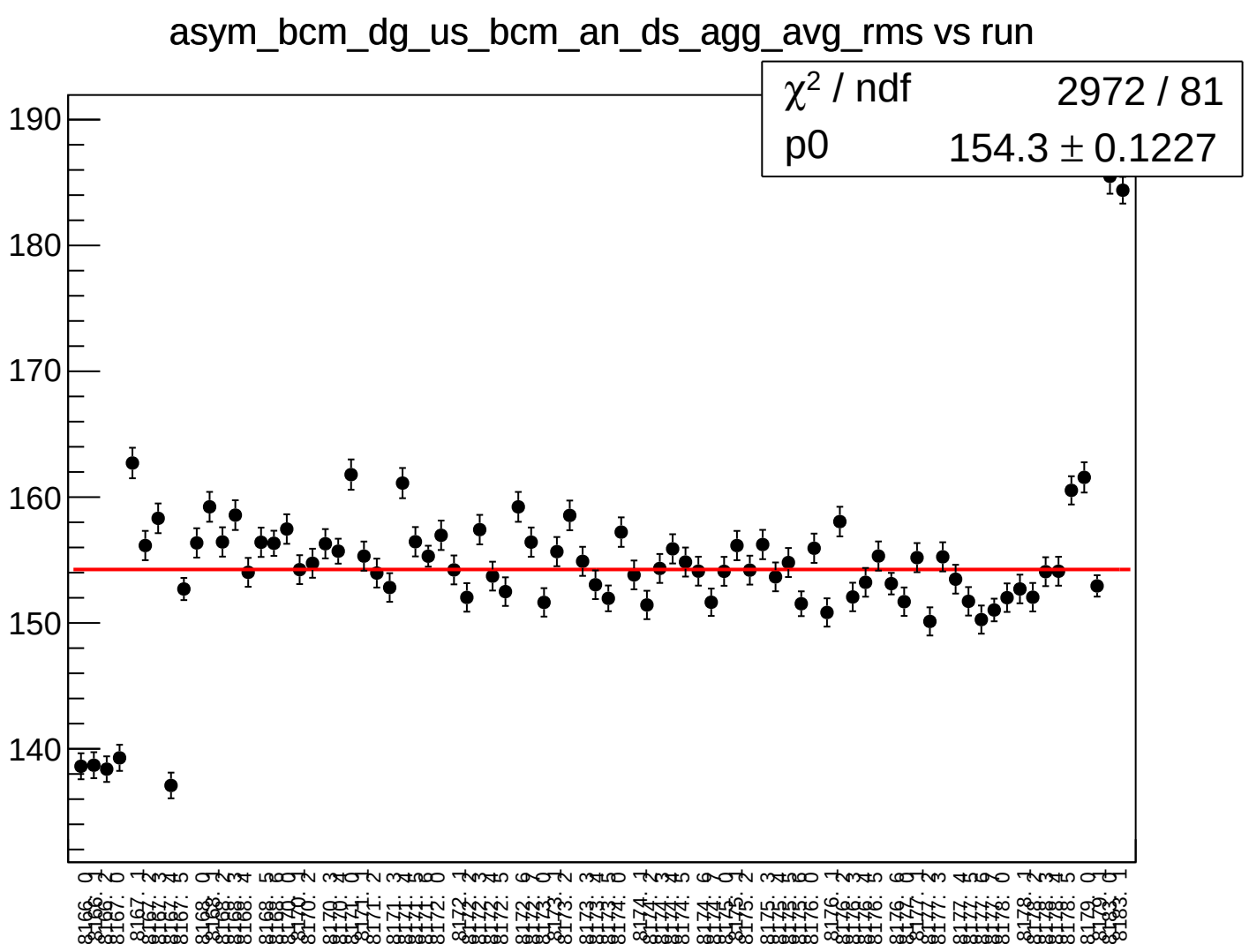

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 81.48 / 81
p0 −7.454 ± 10.64
pull
Entries 82
Mean 283.1
Std Dev 0

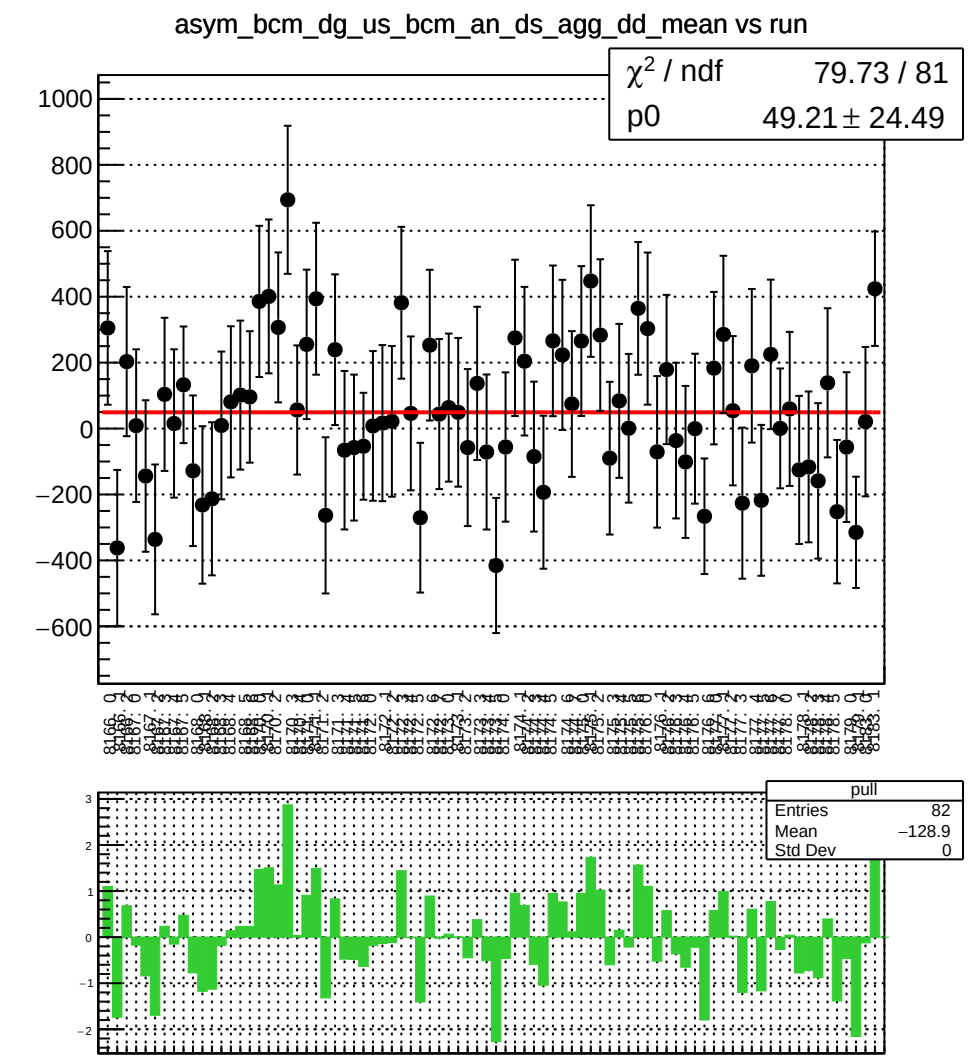

pull1D
Entries 82
Mean −0.00302
Std Dev 0.9968

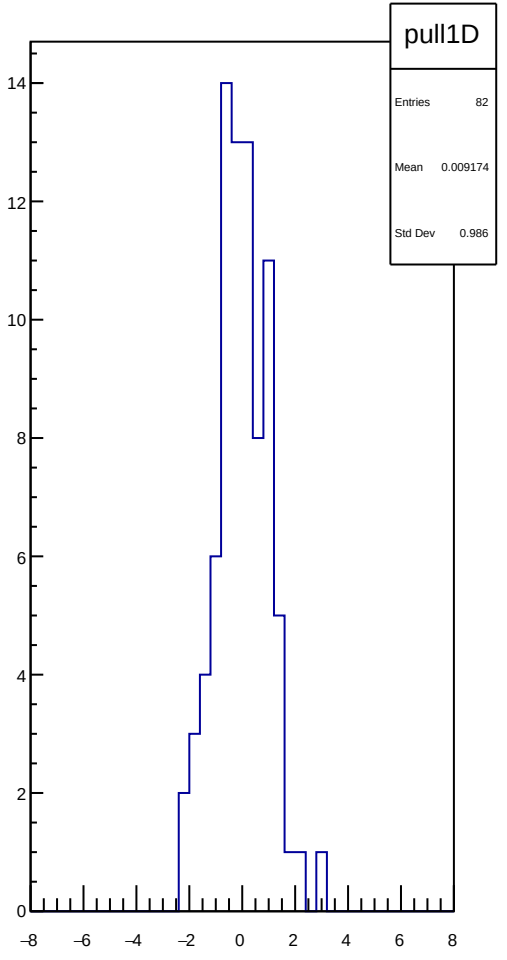

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 3876 / 81
p0 9.45 ± 0.007521
15
14
13
12
11
10
9

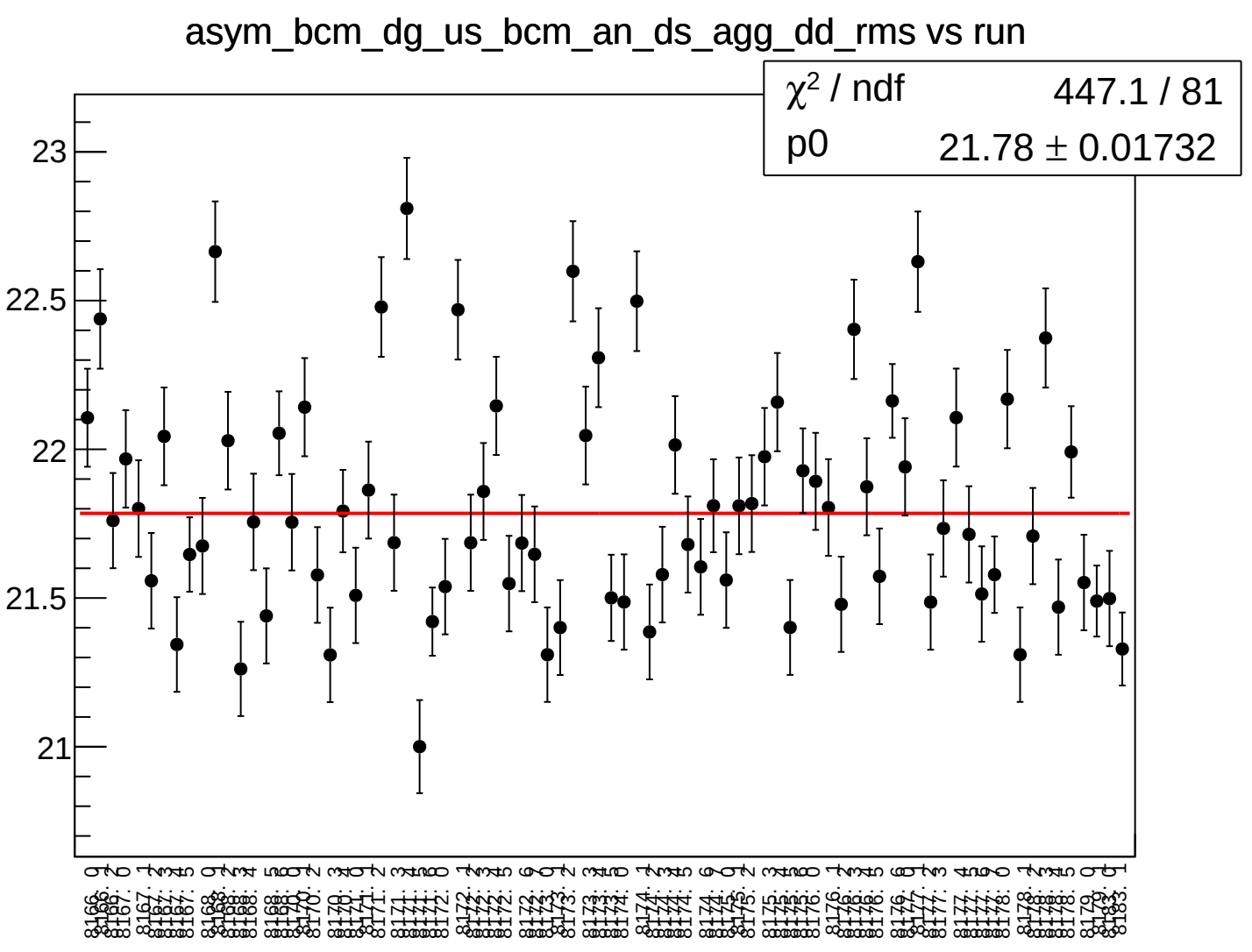

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17.02 / 81
p0 −115.8 ± 173.5
pull
Entries 82
Mean 472.8
Std Dev 0

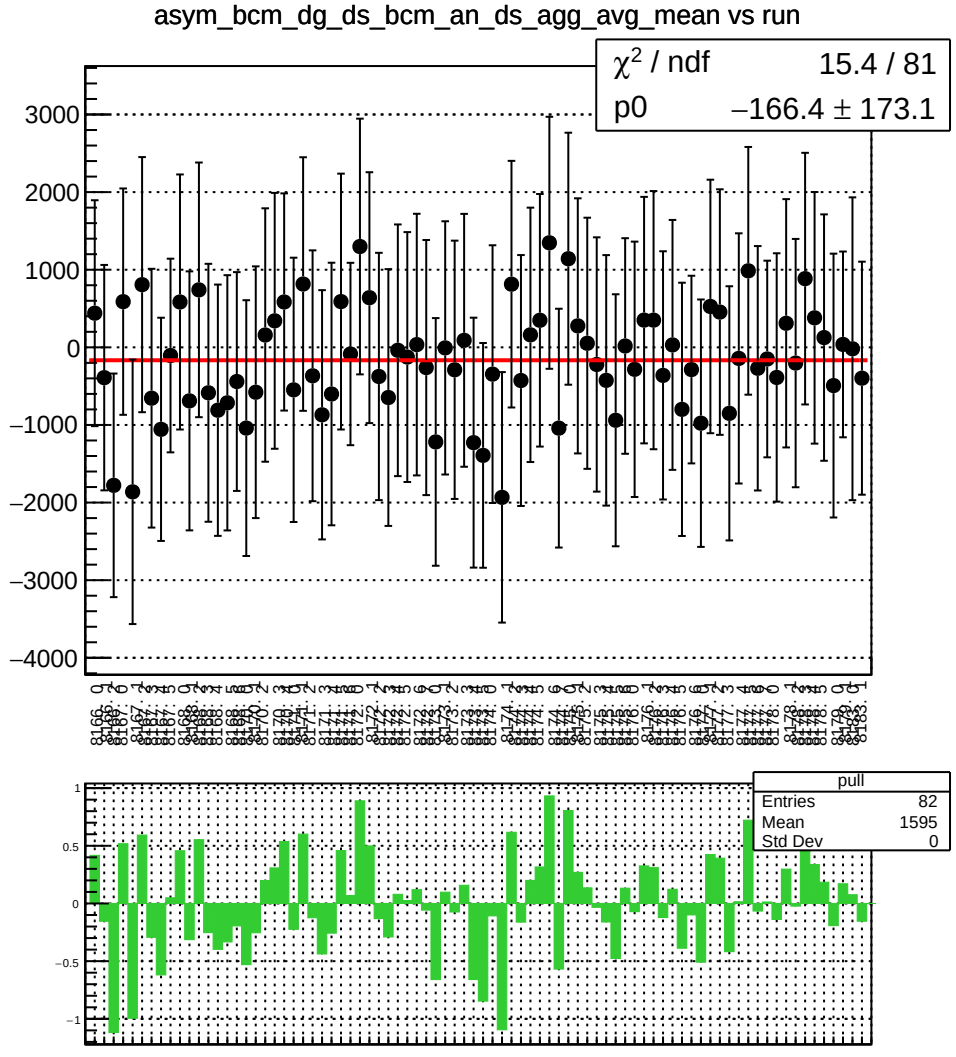

pull1D
Entries 82
Mean 0.00359
Std Dev 0.4555

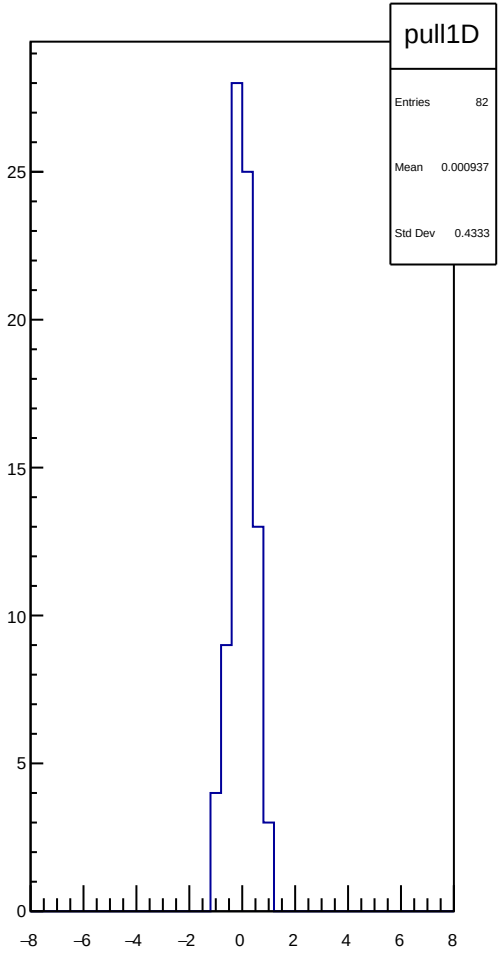

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2972 / 81
p0 154.3 ± 0.1227
190
180
170
160
150
140

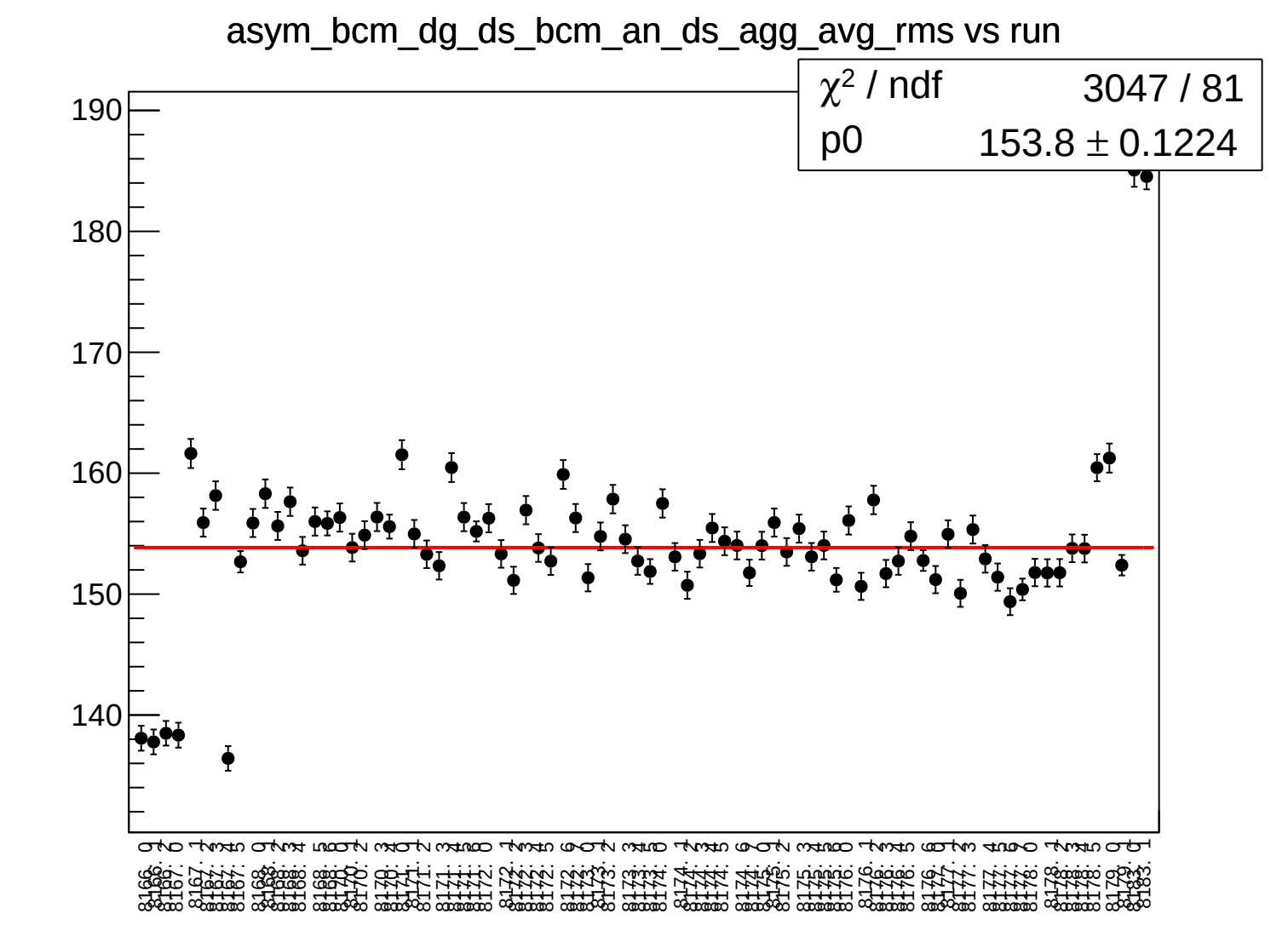

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 79.73 / 81
p0 49.21 ± 24.49
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean −128.9
Std Dev 0
3
2
1
0
−1
−2

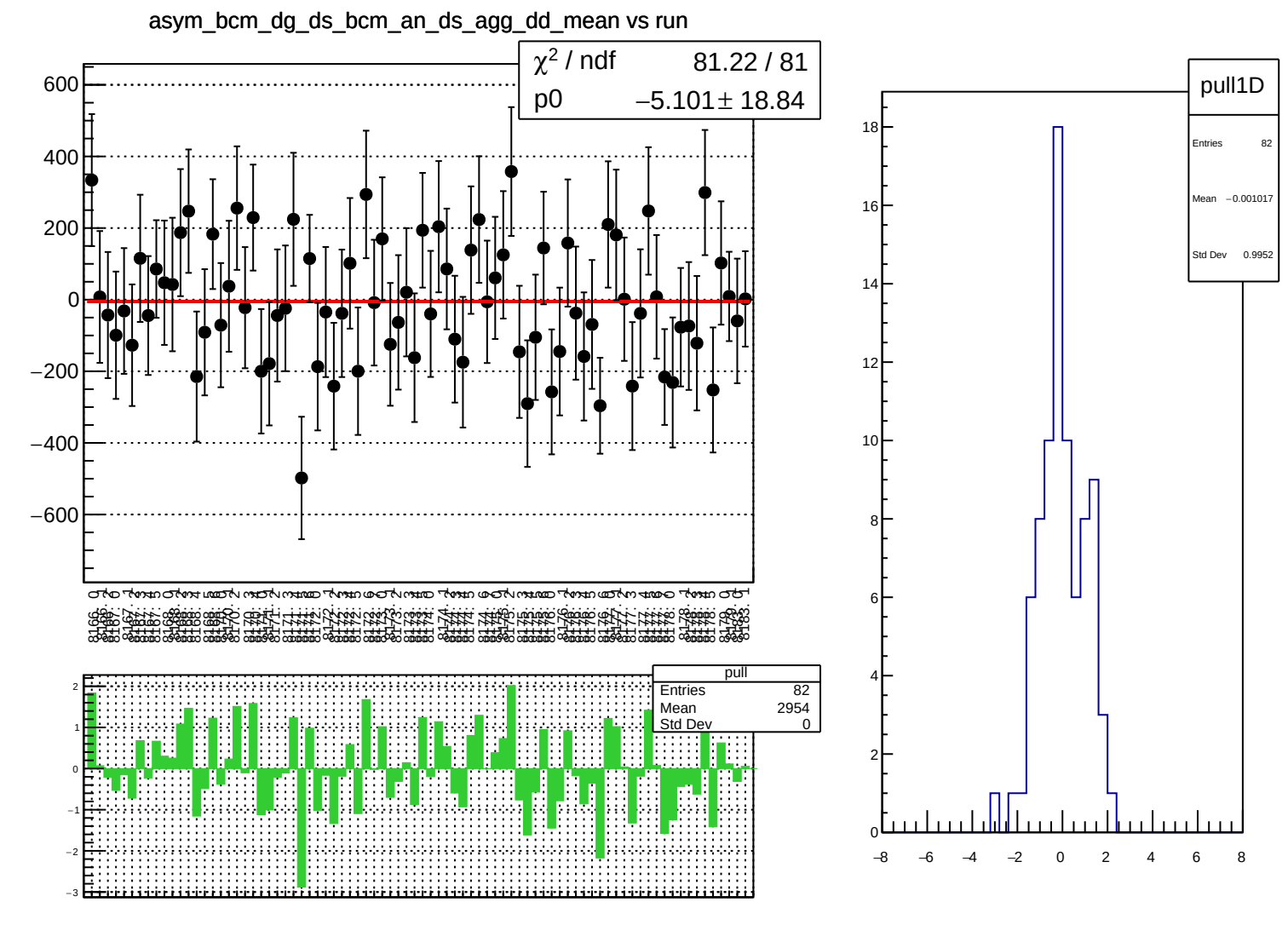

pull1D
Entries 82
Mean 0.009174
Std Dev 0.986
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

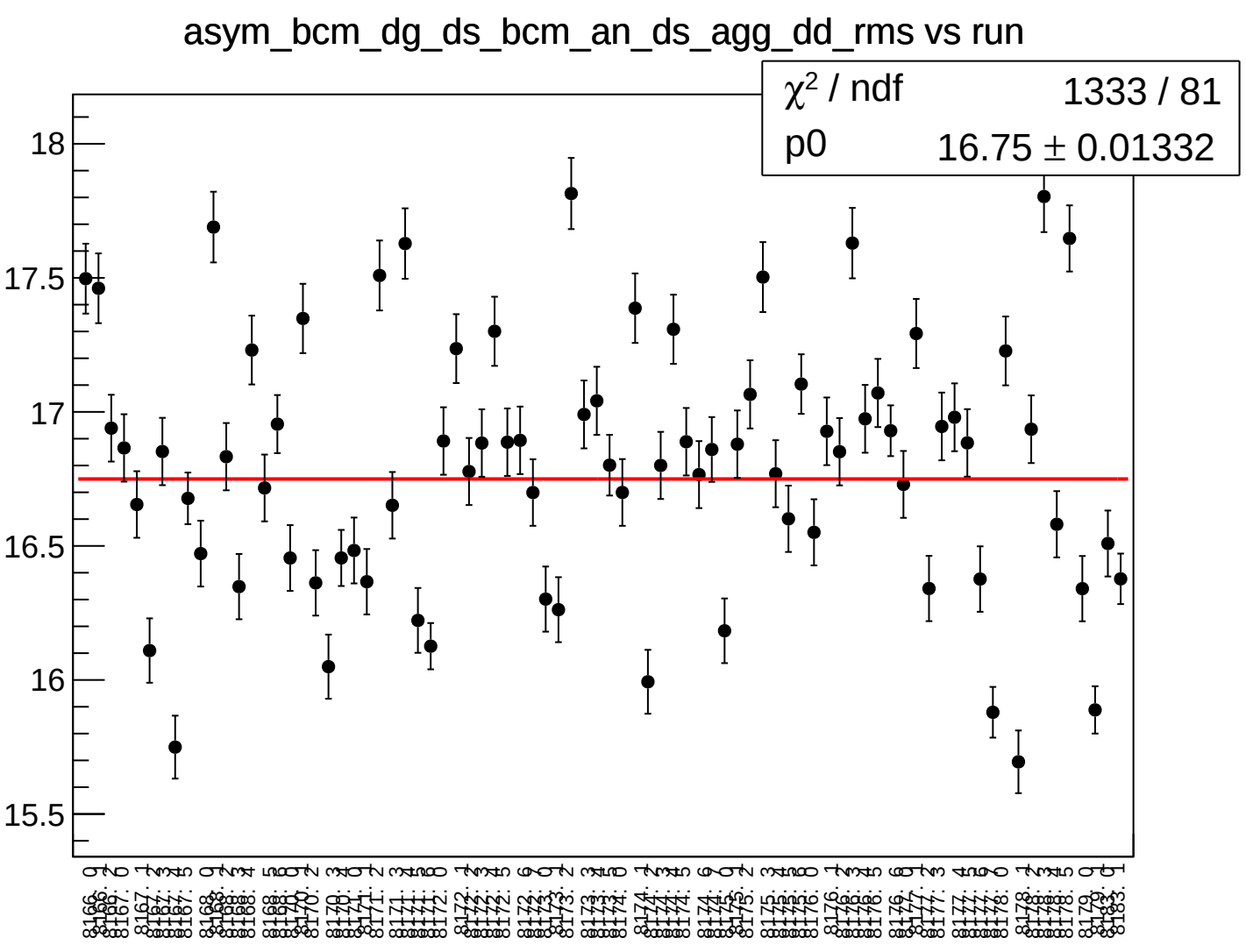

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 447.1 / 81
p0 21.78 ± 0.01732
23
22.5
22
21.5
21

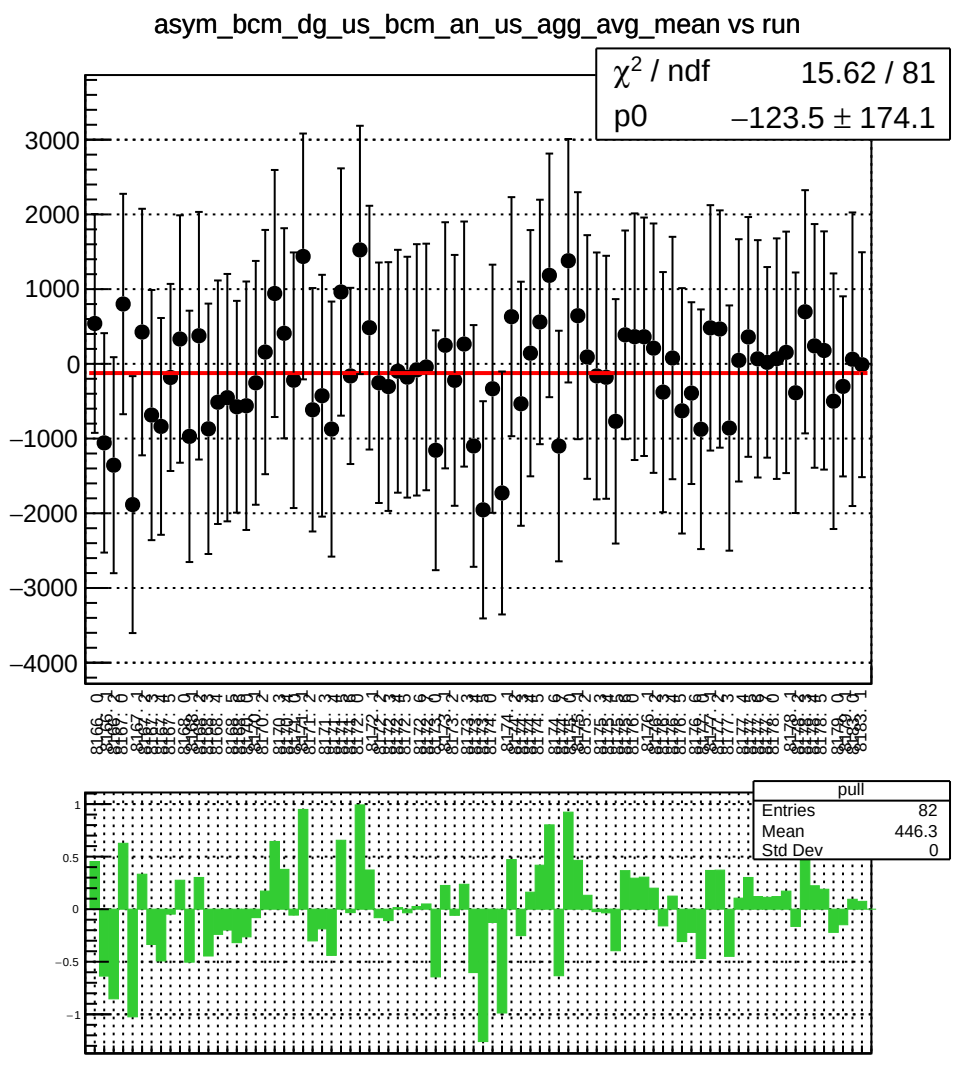

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 15.4 / 81
p0 −166.4 ± 173.1
pull
Entries 82
Mean 1595
Std Dev 0

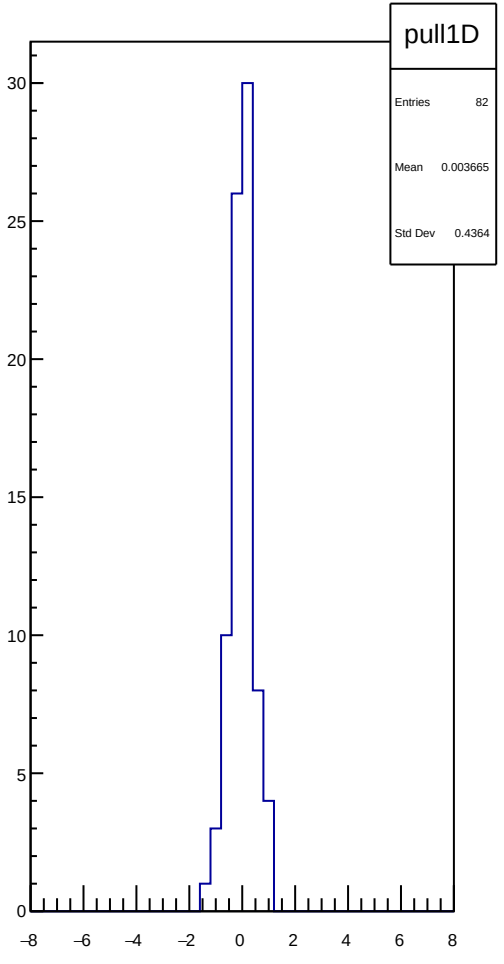

pull1D
Entries 82
Mean 0.000937
Std Dev 0.4333

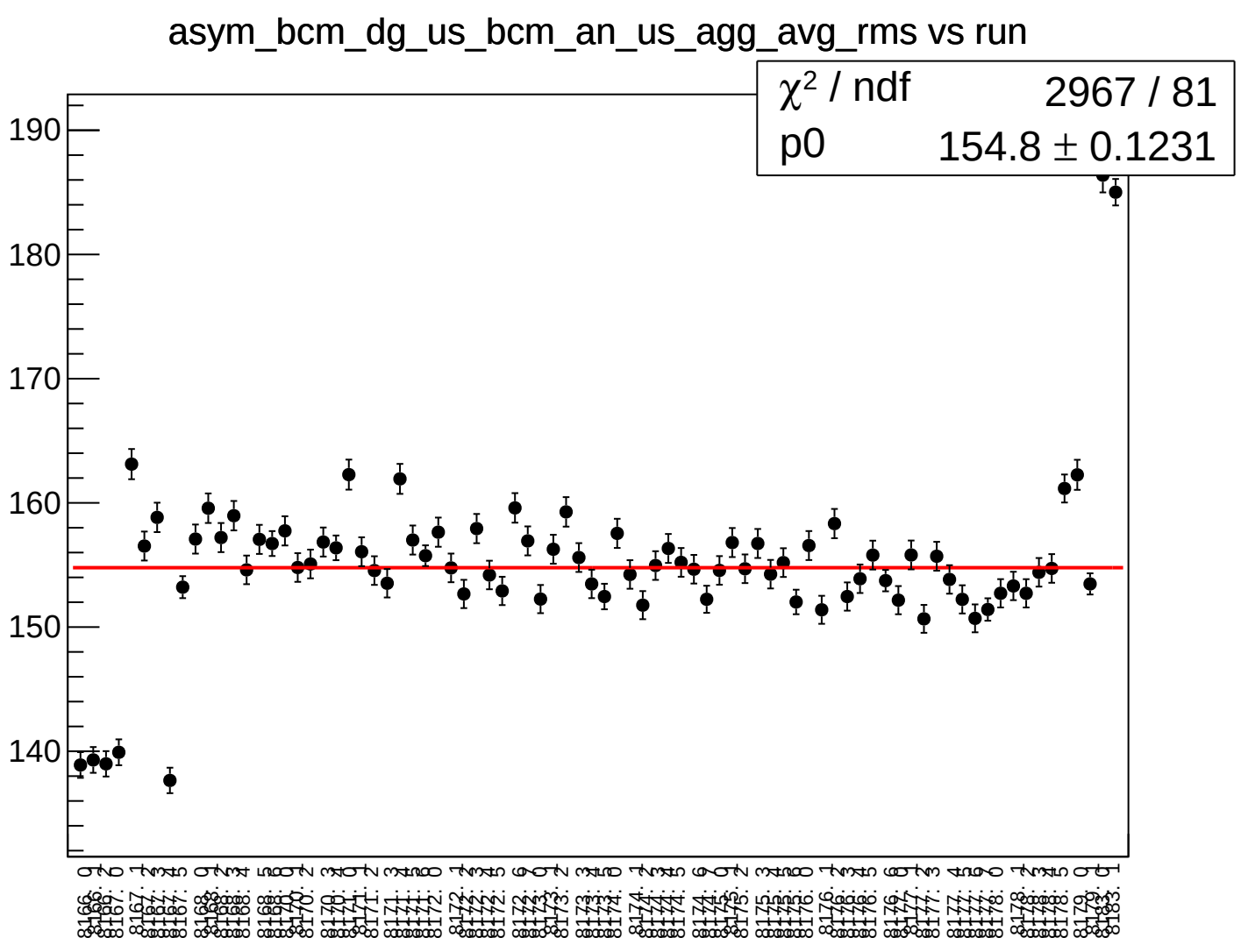

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3047 / 81
p0 153.8 ± 0.1224
190
180
170
160
150
140

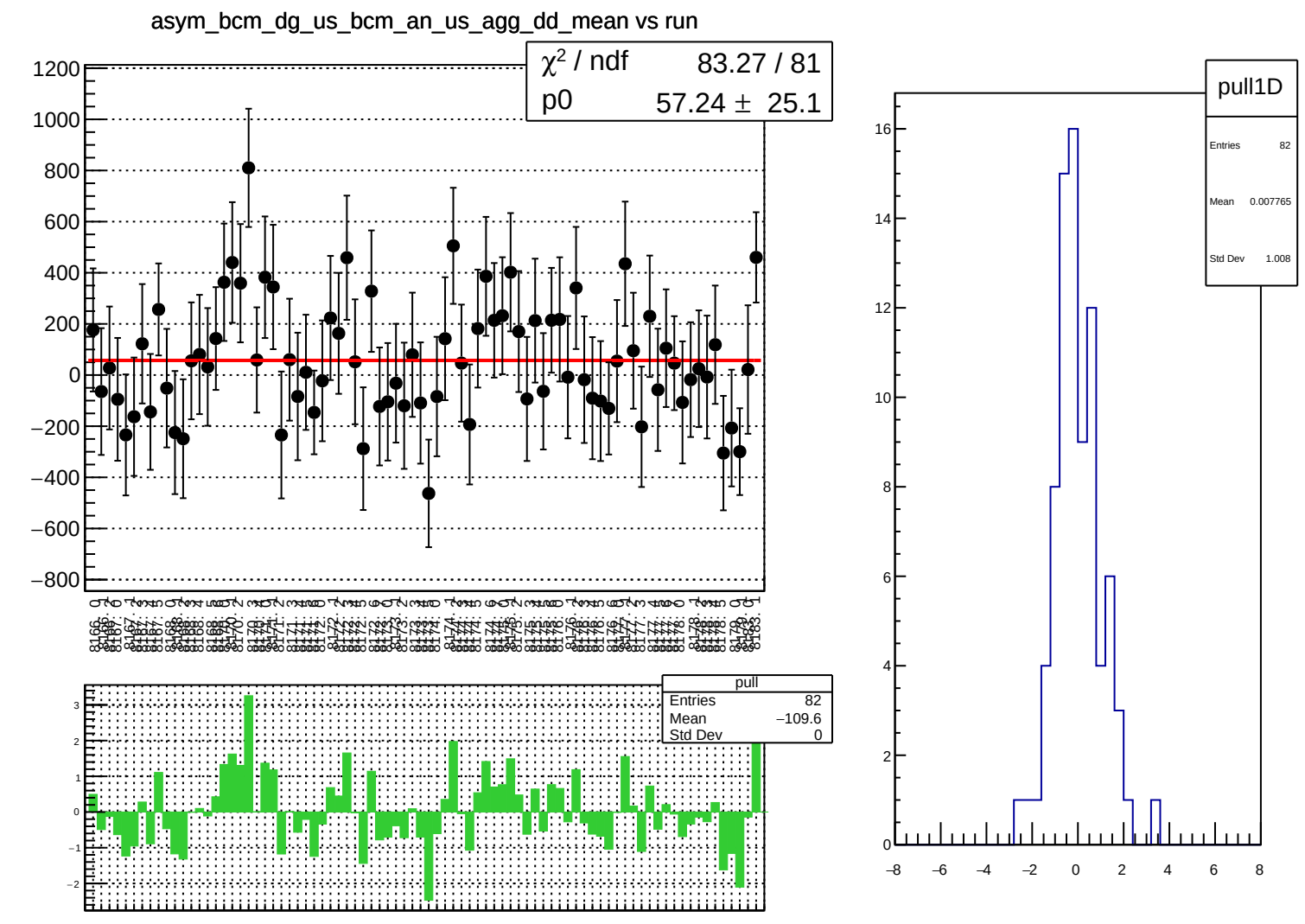

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 81.22 / 81
p0 −5.101 ± 18.84
pull
Entries 82
Mean 2954
Std Dev 0
pull1D
Entries 82
Mean −0.001017
Std Dev 0.9952

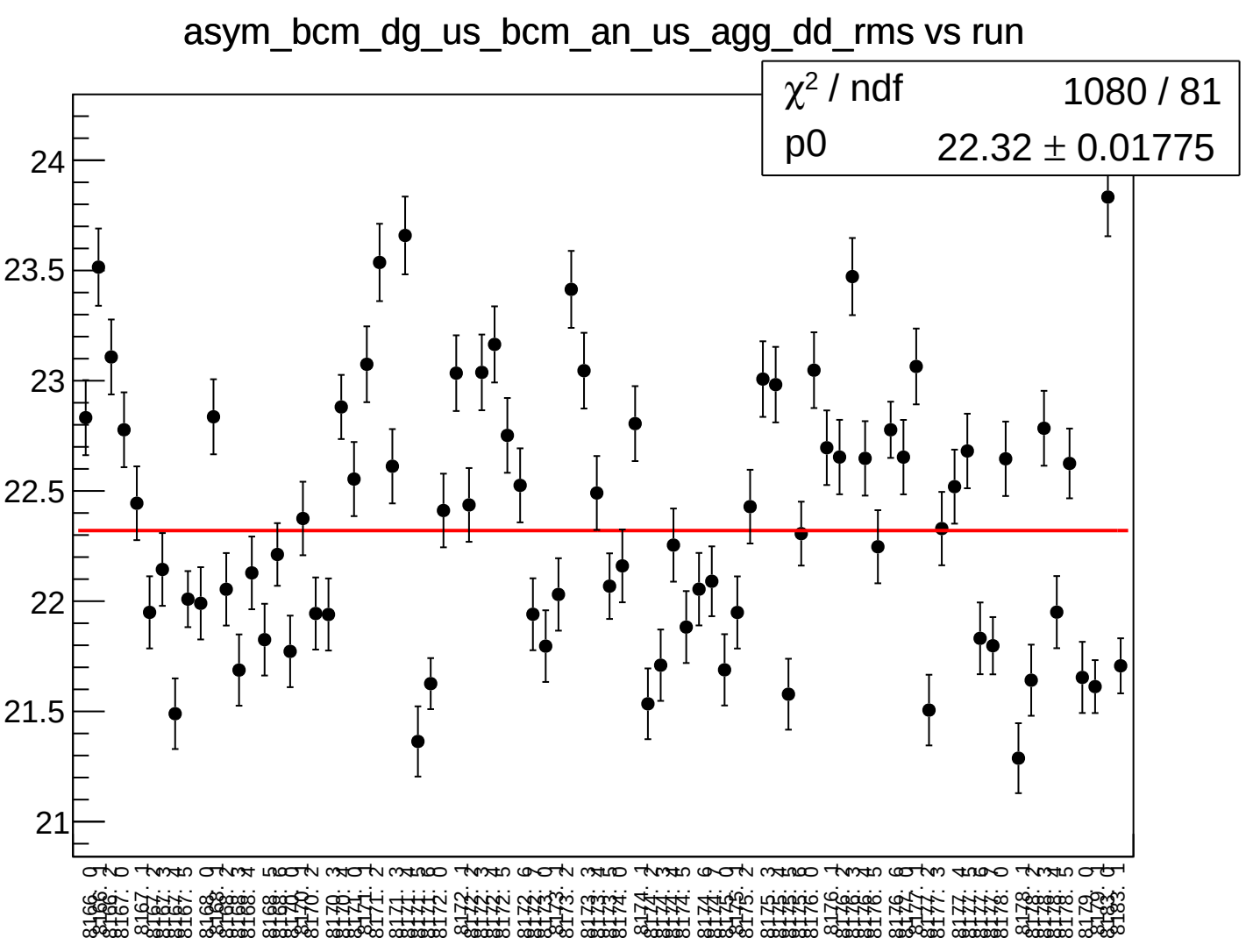

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1333 / 81
p0 16.75 ± 0.01332
18
17.5
17
16.5
16
15.5

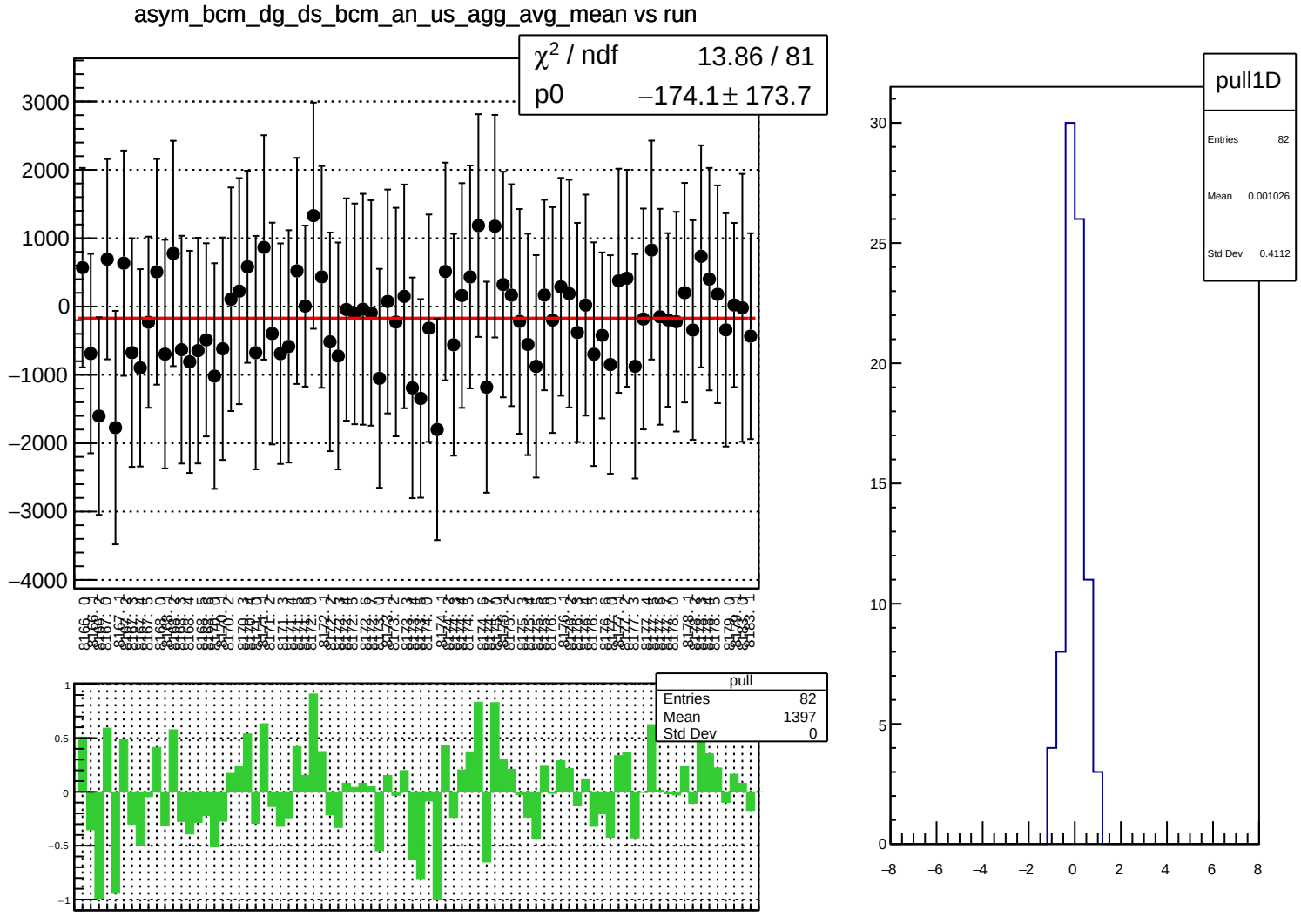

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 15.62 / 81
p0 −123.5 ± 174.1
pull
Entries 82
Mean 446.3
Std Dev 0

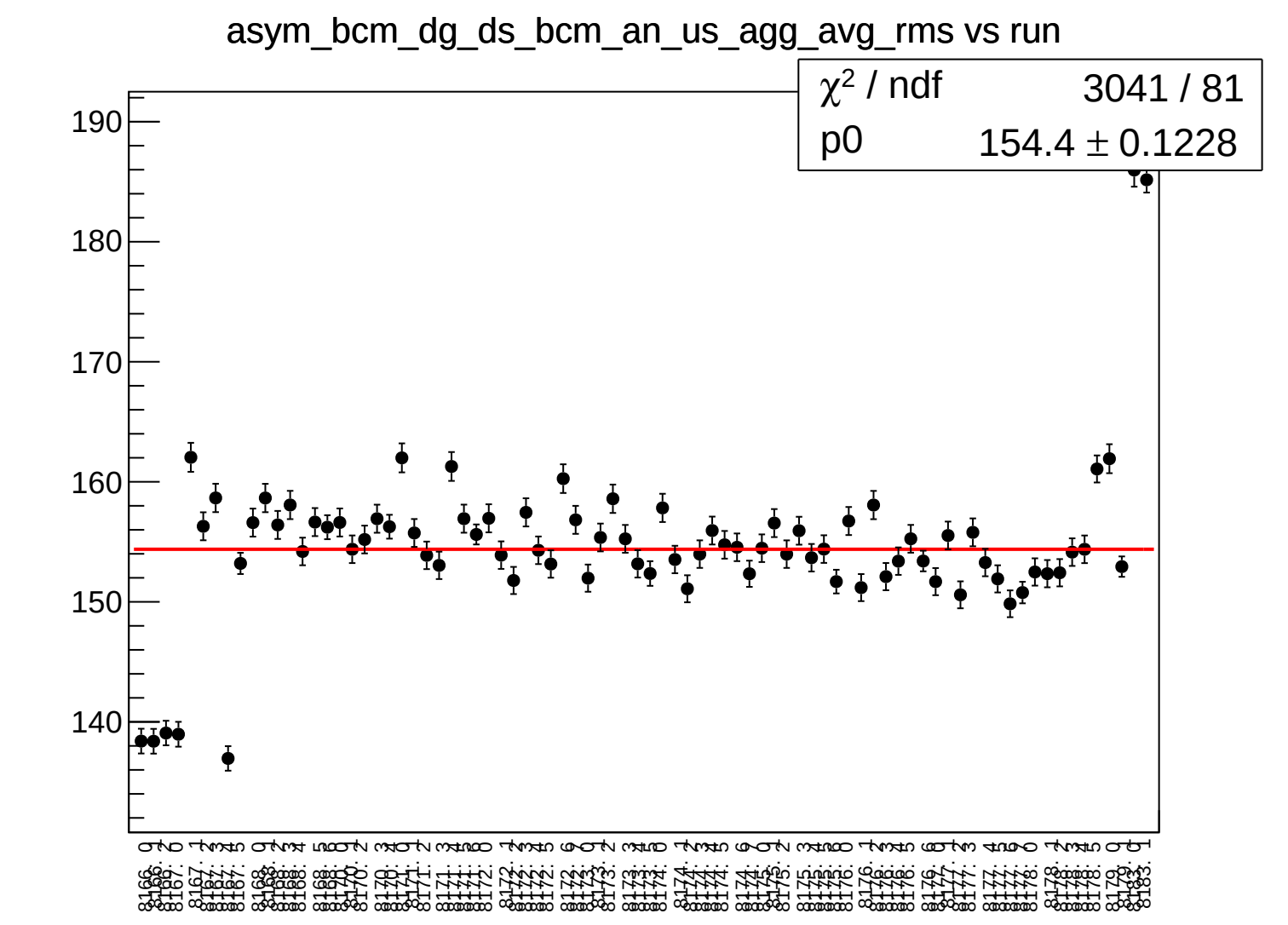

pull1D
Entries 82
Mean 0.003665
Std Dev 0.4364

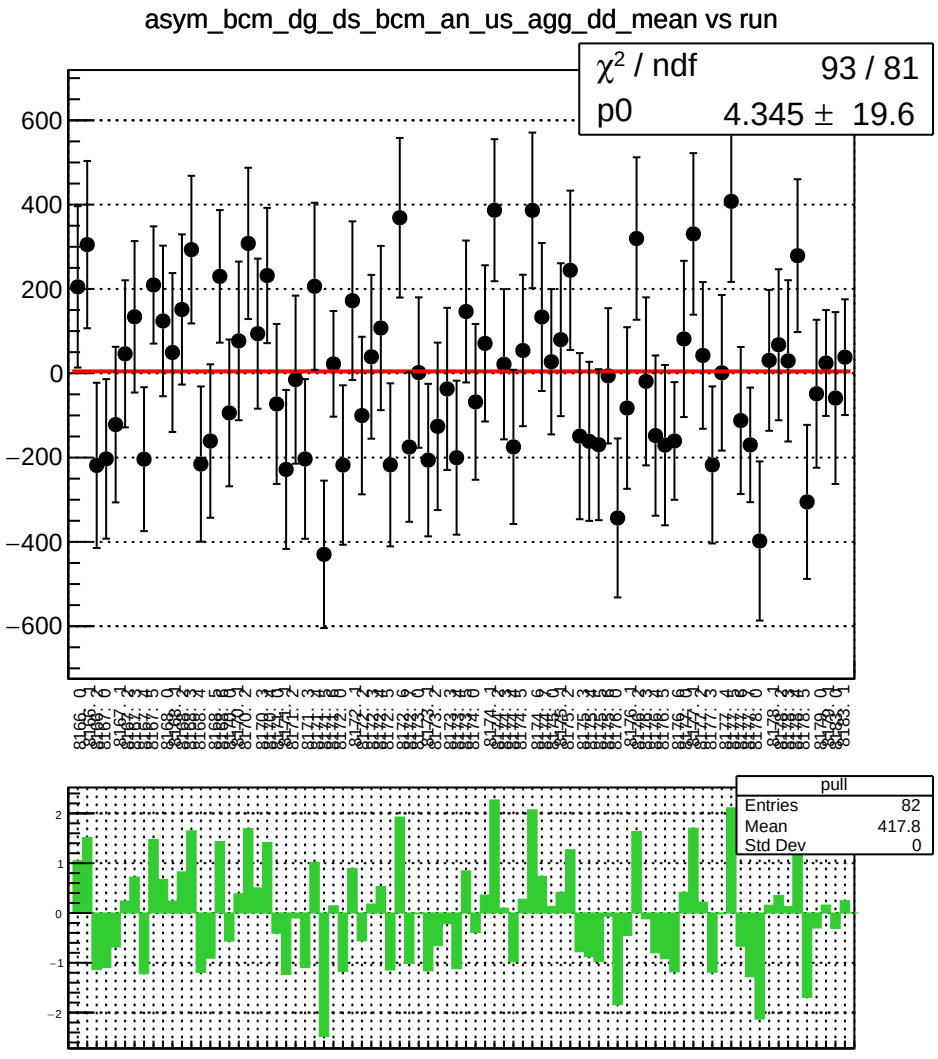

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2967 / 81
p0 154.8 ± 0.1231
190
180
170
160
150
140

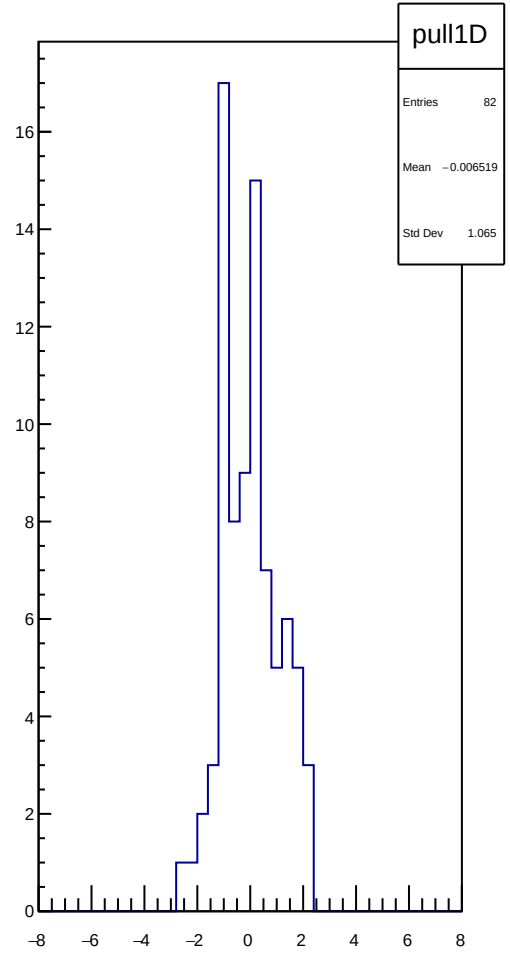

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 83.27 / 81
p0 57.24 ± 25.1
pull
Entries 82
Mean −109.6
Std Dev 0
pull1D
Entries 82
Mean 0.007765
Std Dev 1.008

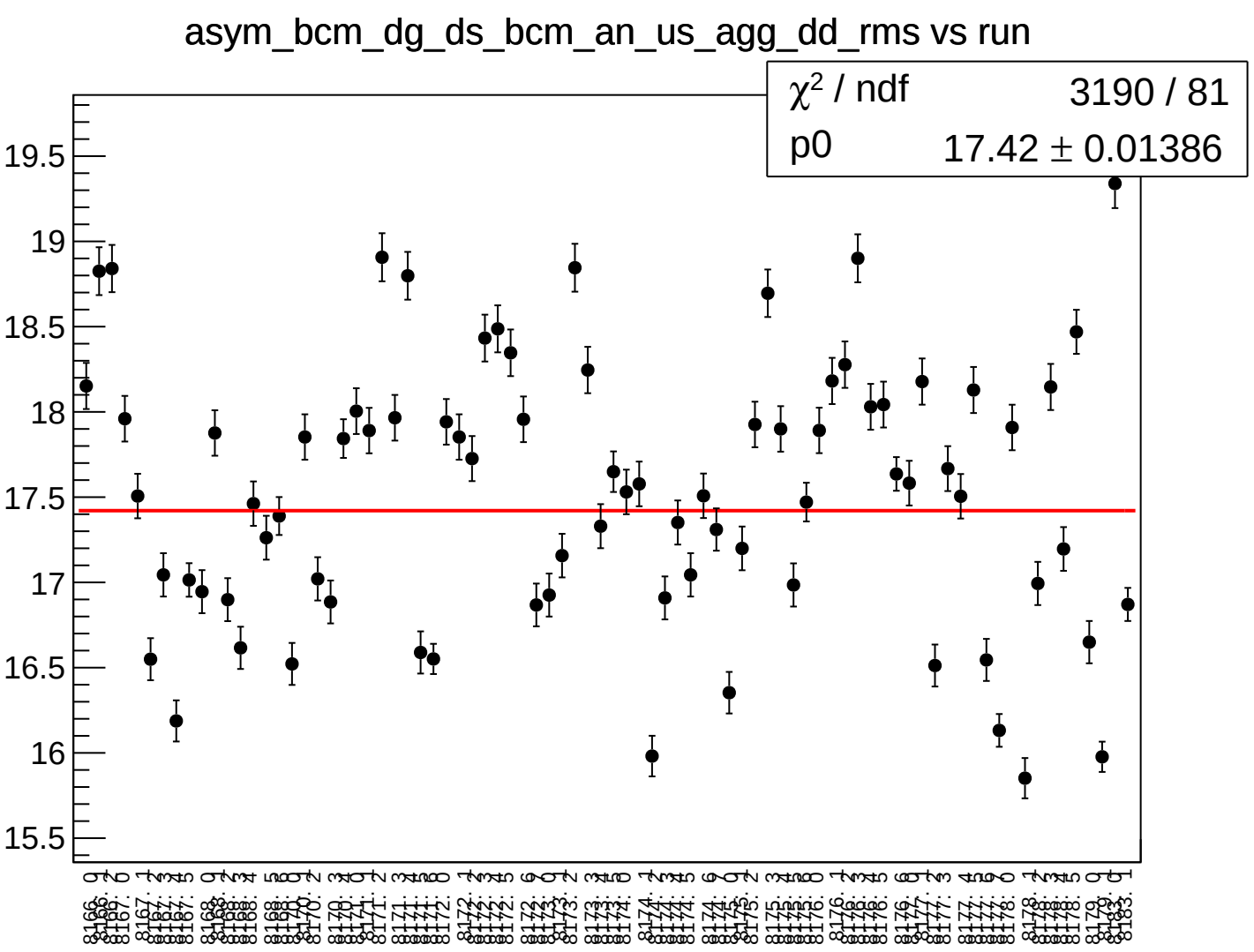

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1080 / 81
p0 22.32 ± 0.01775
24
23.5
23
22.5
22
21.5
21

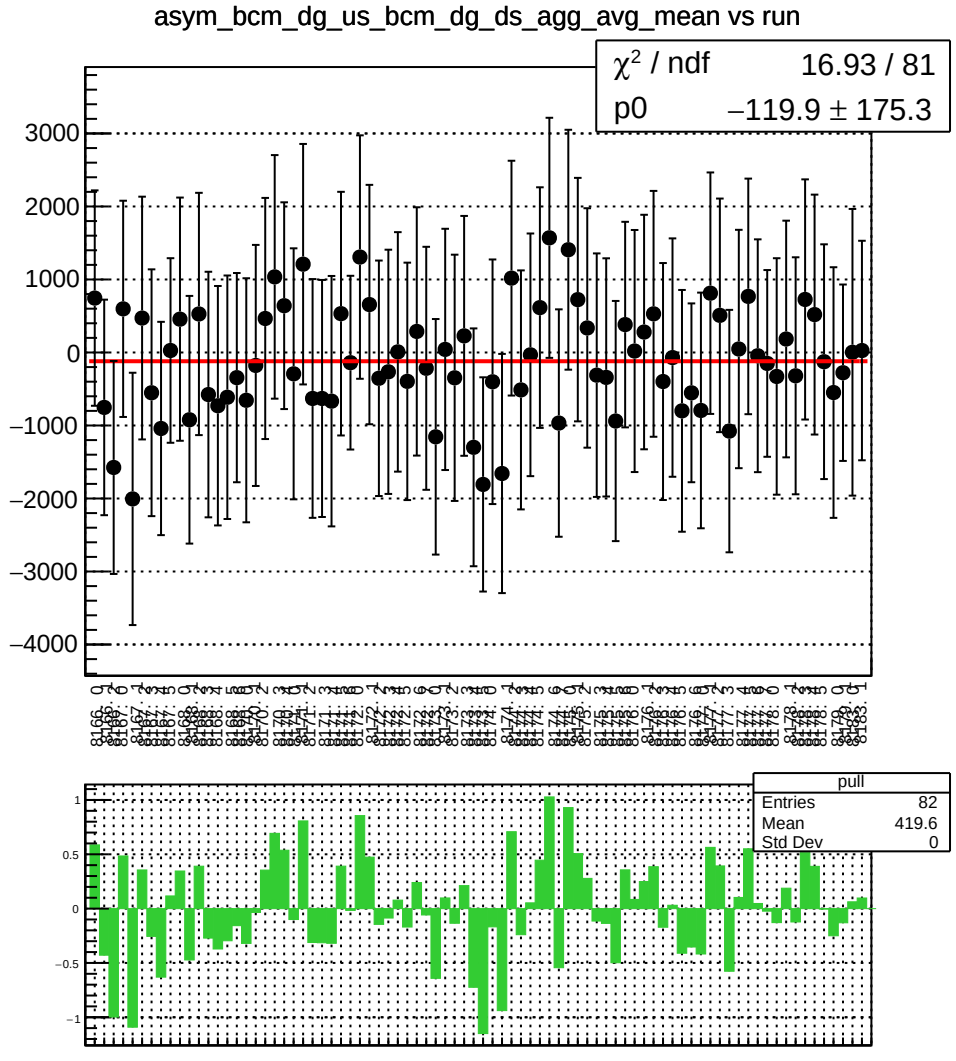

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.86 / 81
p0 −174.1± 173.7
pull
Entries 82
Mean 1397
Std Dev 0
pull1D
Entries 82
Mean 0.001026
Std Dev 0.4112

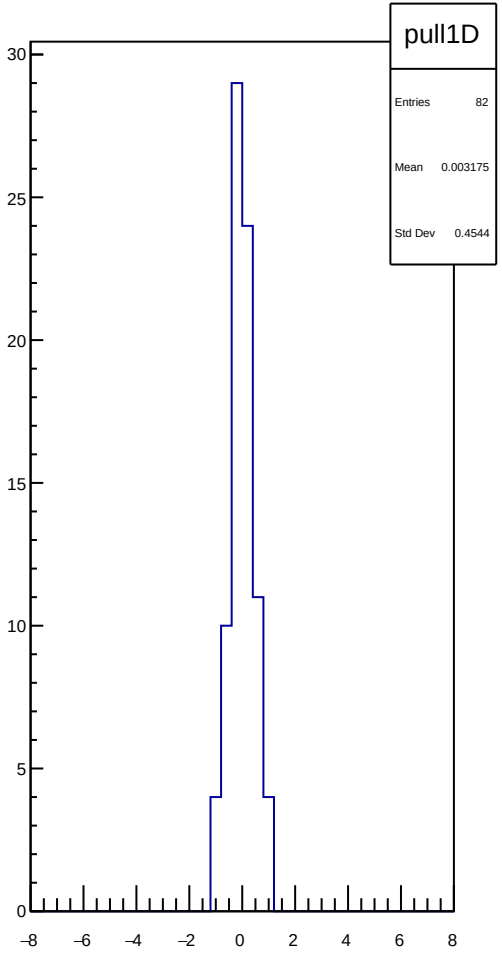

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3041 / 81
p0 154.4 ± 0.1228
190
180
170
160
150
140

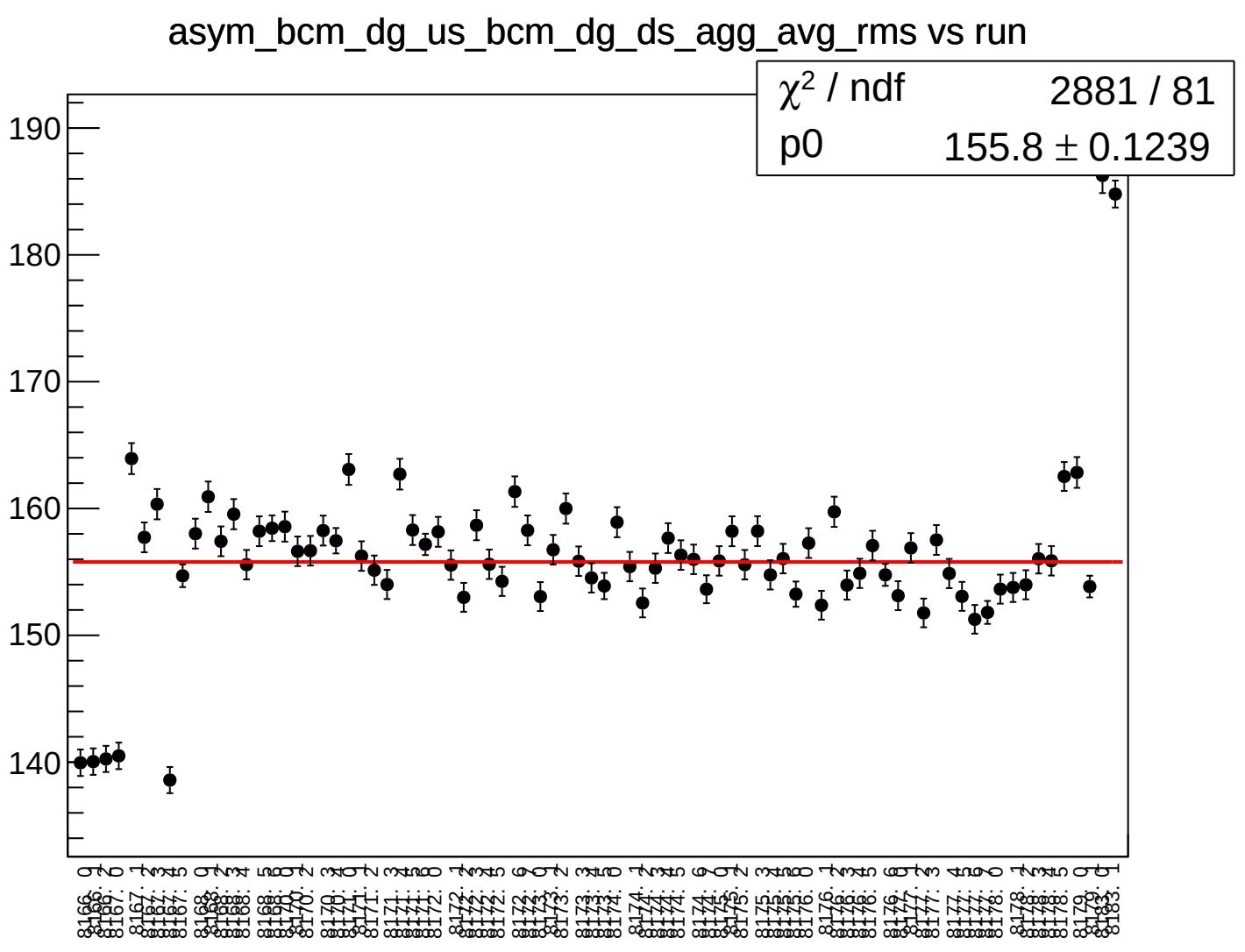

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 93 / 81
p0 4.345 ± 19.6
pull
Entries 82
Mean 417.8
Std Dev 0

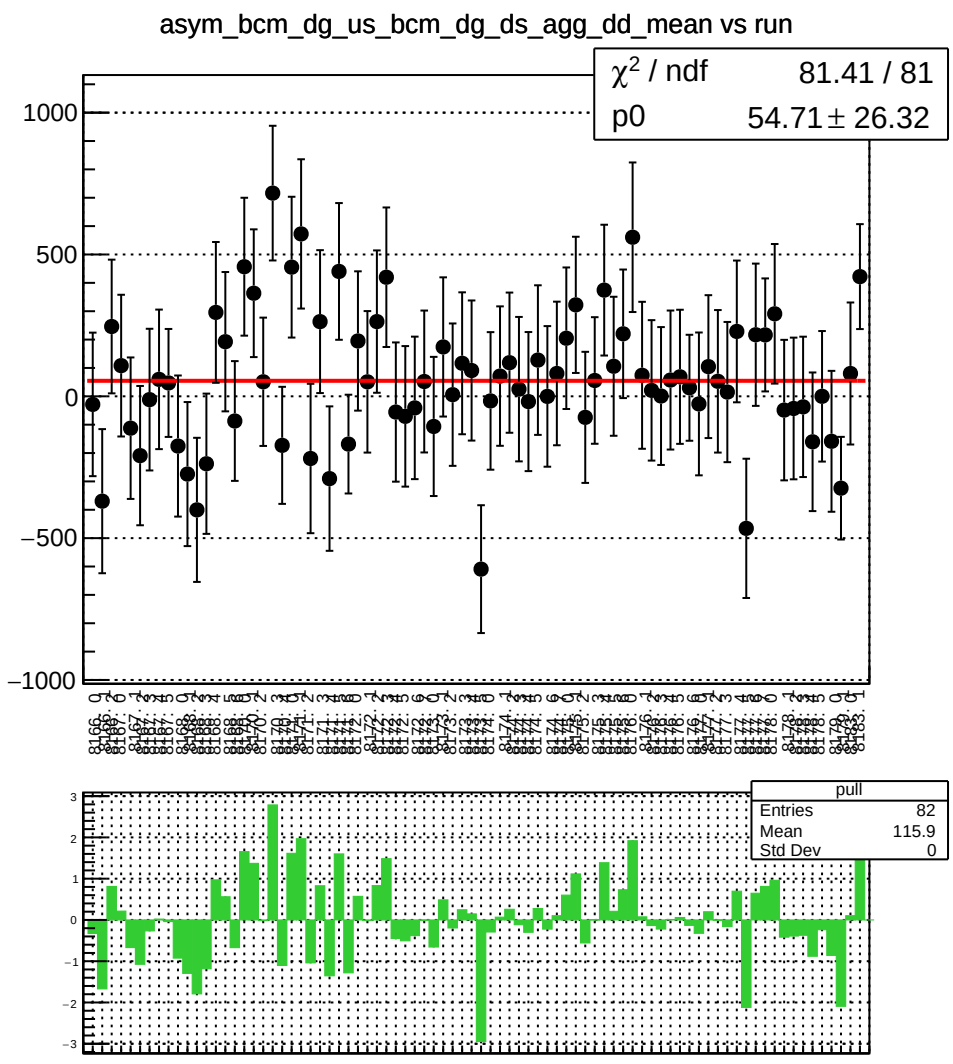

pull1D
Entries 82
Mean −0.006519
Std Dev 1.065

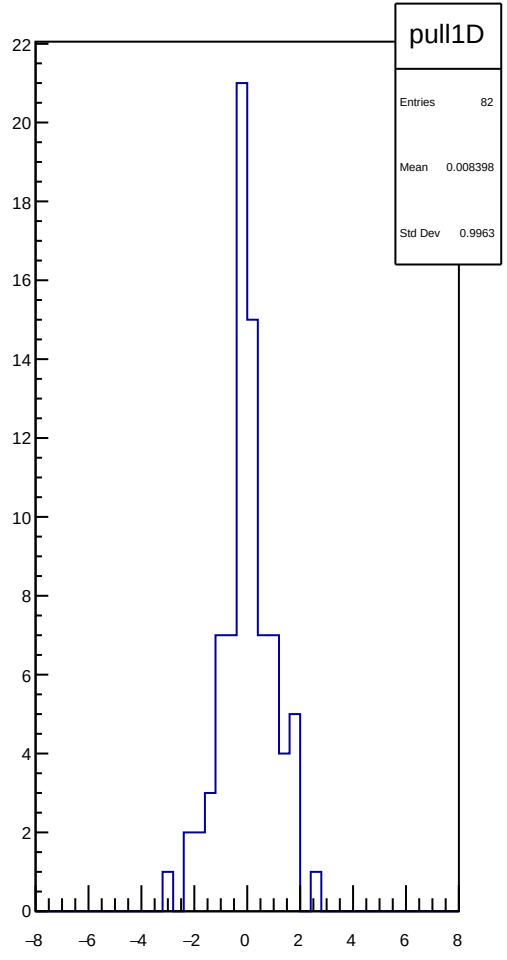

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3190 / 81
p0 17.42 ± 0.01386
19.5
19
18.5
18
17.5
17
16.5
16
15.5

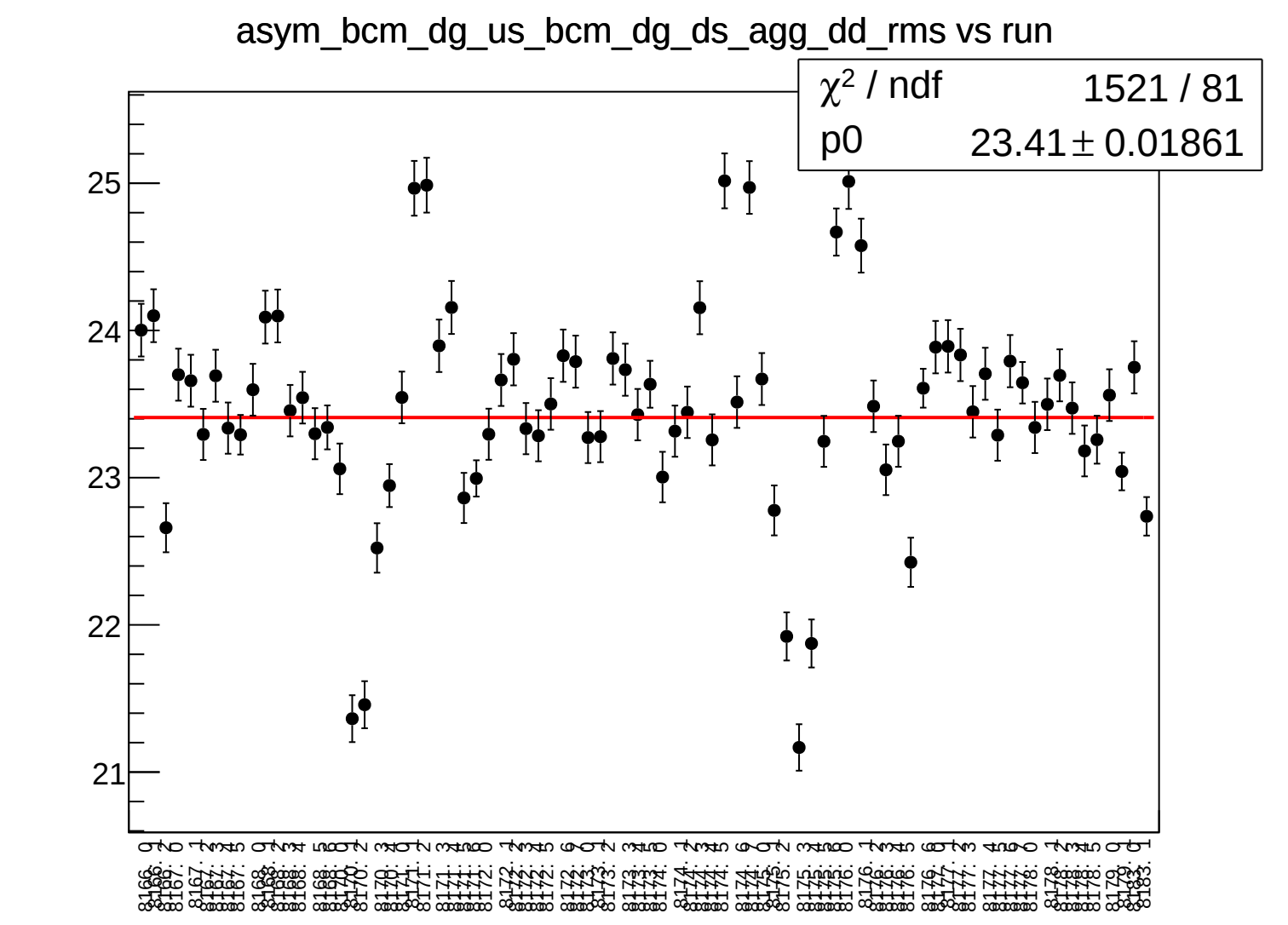

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 16.93 / 81
p0 −119.9 ± 175.3
pull
Entries 82
Mean 419.6
Std Dev 0

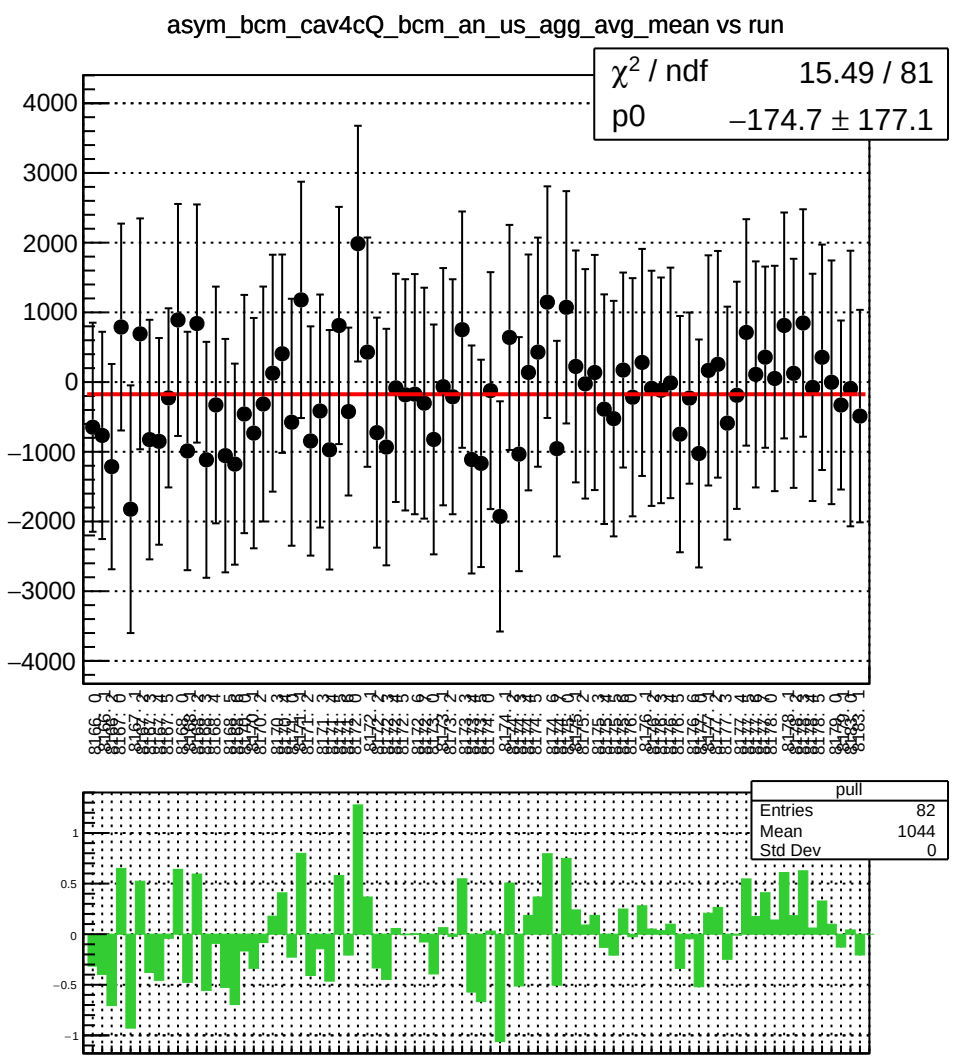

pull1D
Entries 82
Mean 0.003175
Std Dev 0.4544

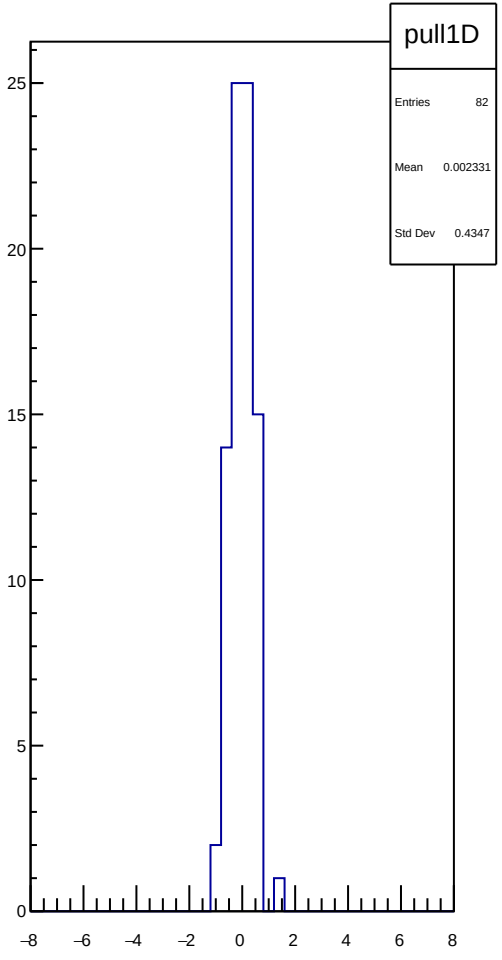

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2881 / 81
p0 155.8 ± 0.1239
190
180
170
160
150
140

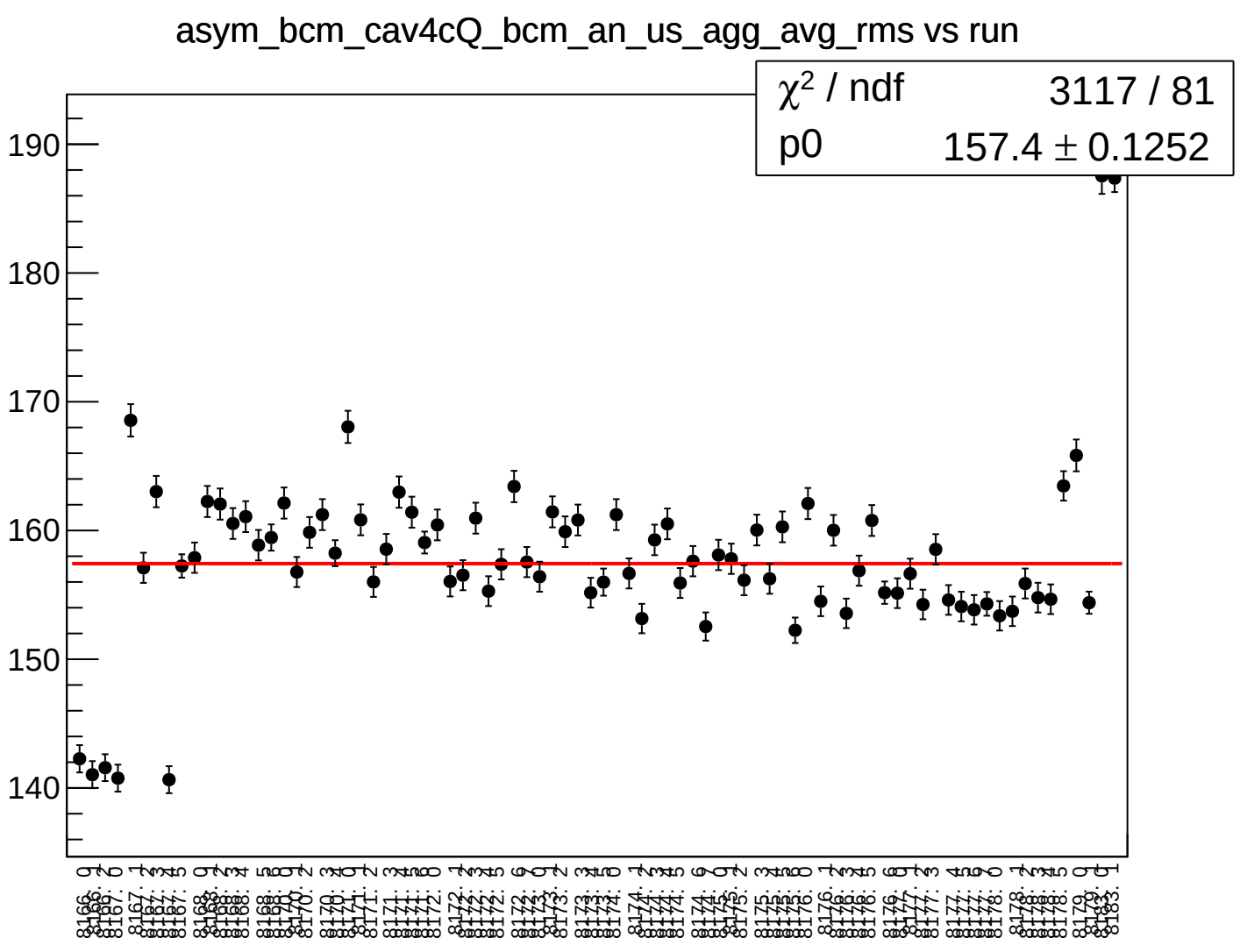

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 81.41 / 81
p0 54.71 ± 26.32
1000
500
0
−500
−1000
pull
Entries 82
Mean 115.9
Std Dev 0
3
2
1
0
−1
−2
−3

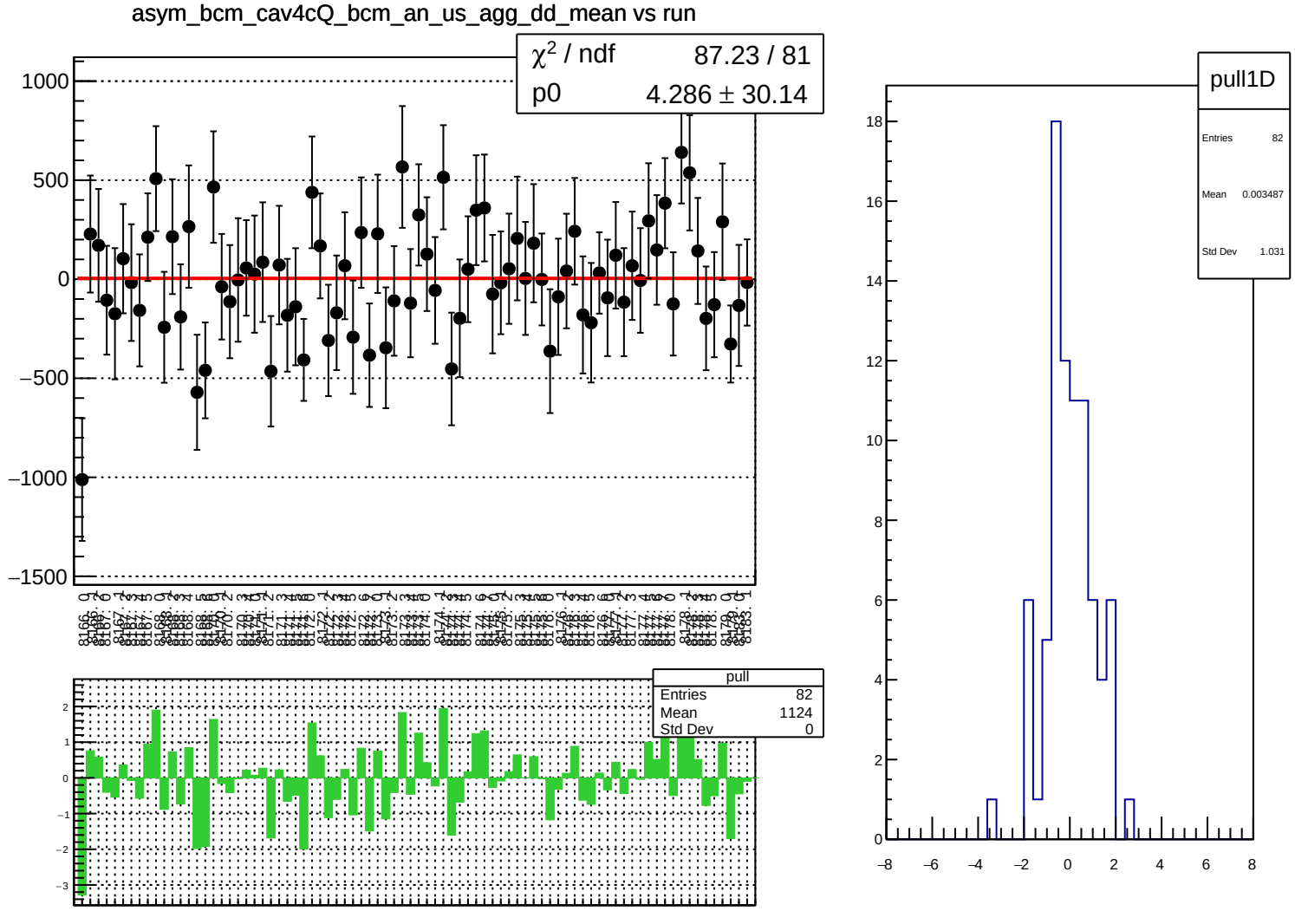

pull1D
Entries 82
Mean 0.008398
Std Dev 0.9963
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

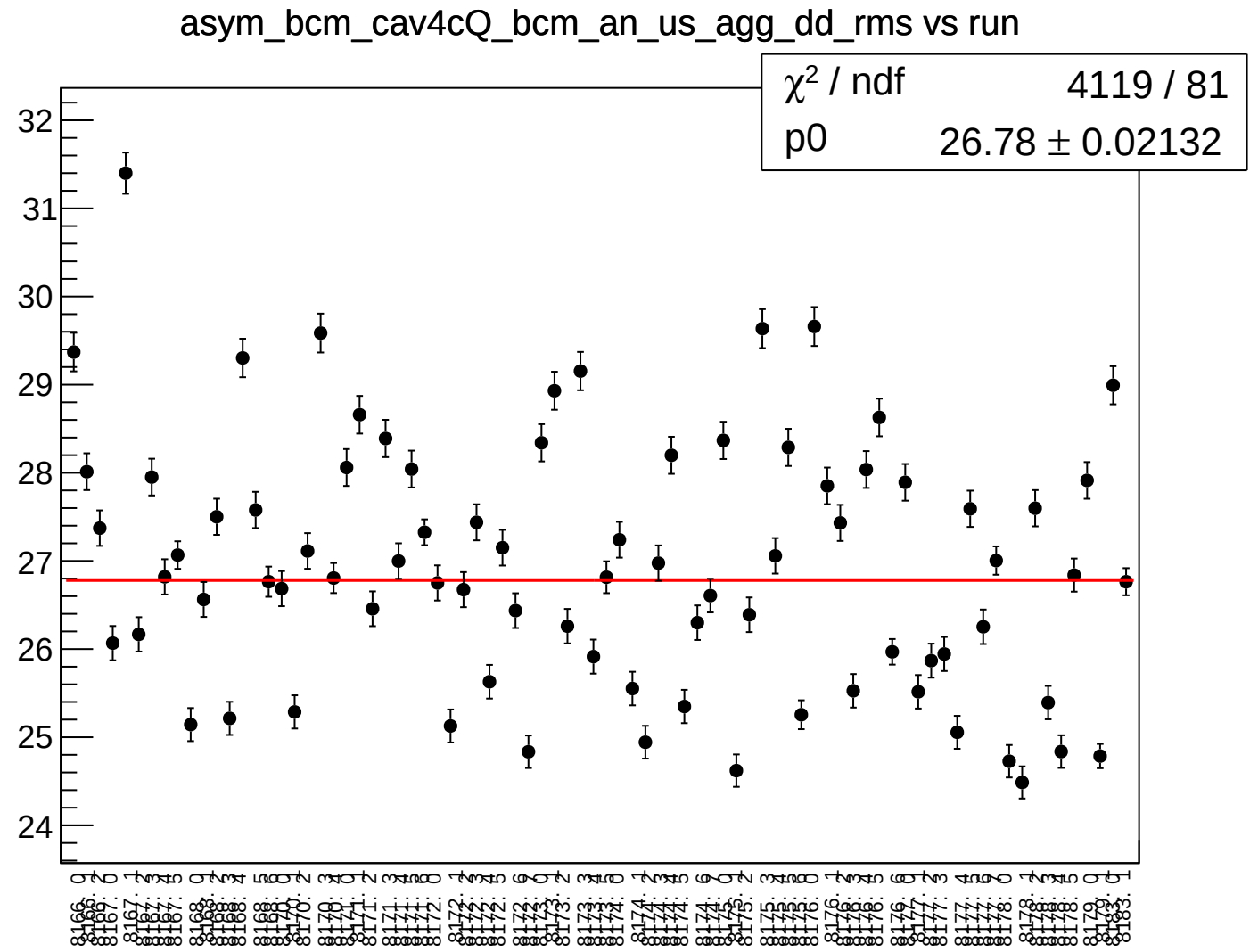

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1521 / 81
p0 23.41 ± 0.01861
25
24
23
22
21

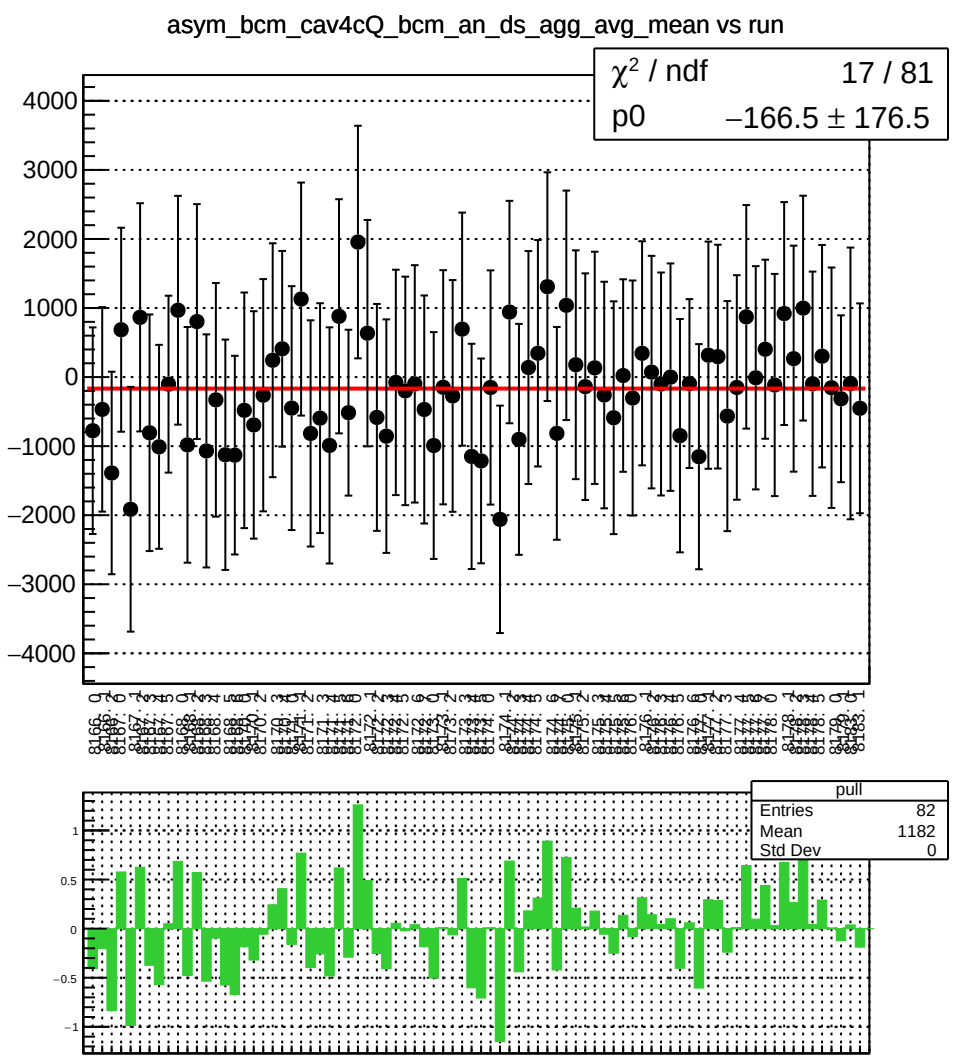

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 15.49 / 81
p0 −174.7 ± 177.1
pull
Entries 82
Mean 1044
Std Dev 0

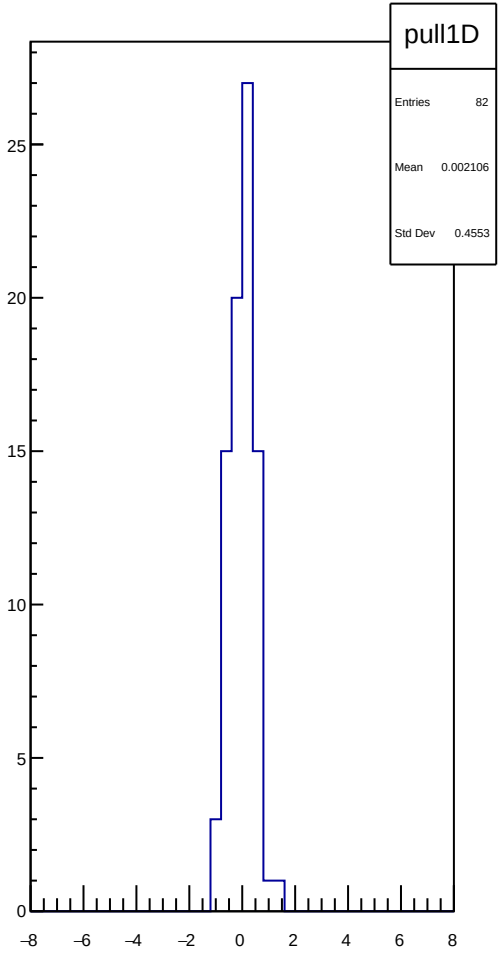

pull1D
Entries 82
Mean 0.002331
Std Dev 0.4347

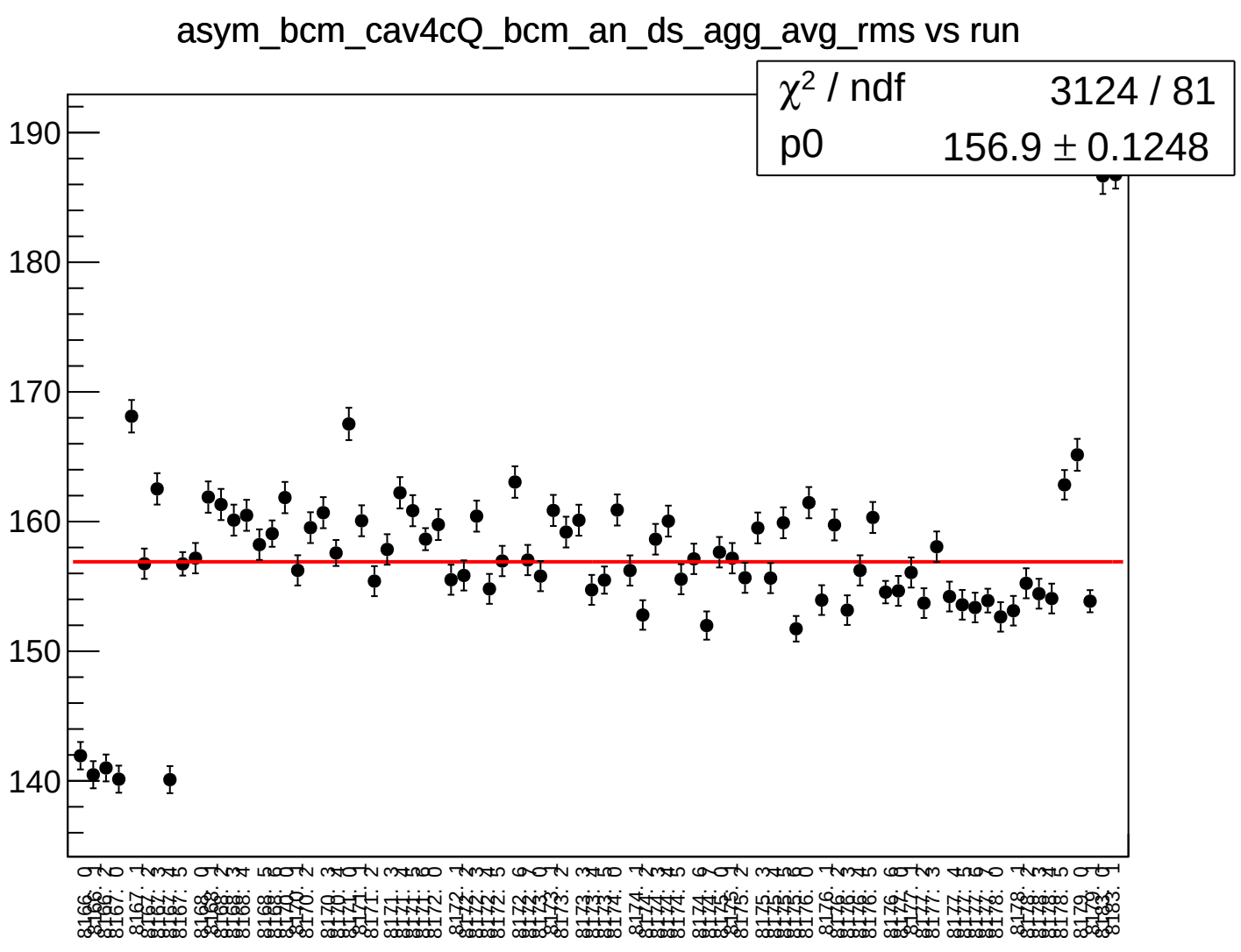

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3117 / 81
p0 157.4 ± 0.1252
190
180
170
160
150
140

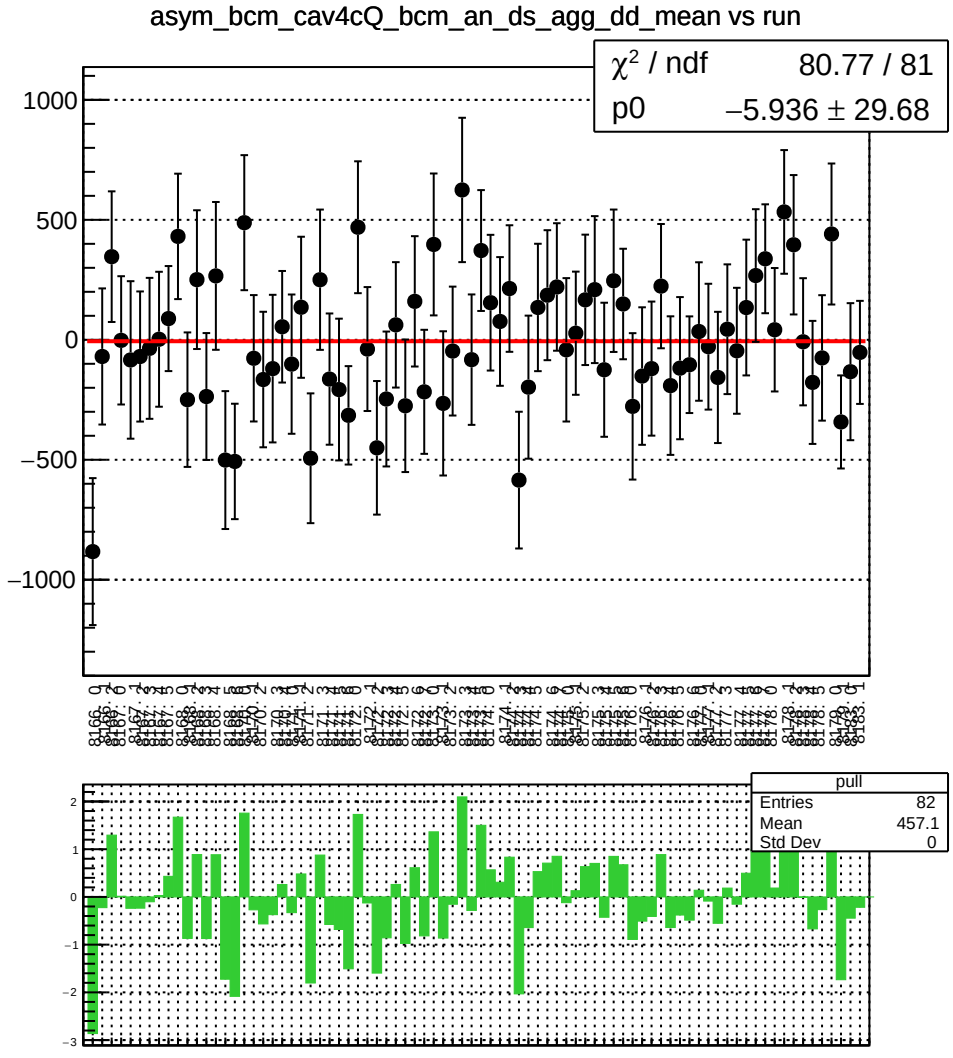

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 87.23 / 81
p0 4.286 ± 30.14
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean 1124
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.003487
Std Dev 1.031
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

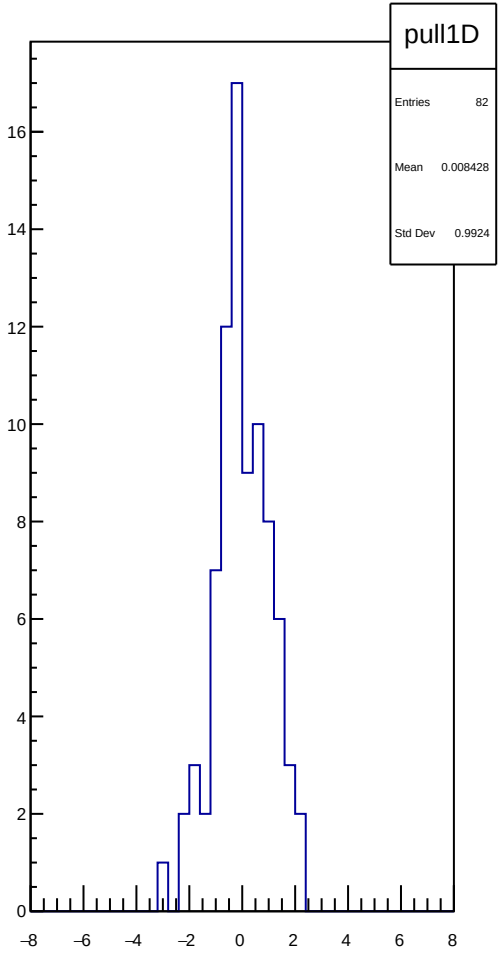

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 4119 / 81
p0 26.78 ± 0.02132
32
31
30
29
28
27
26
25
24

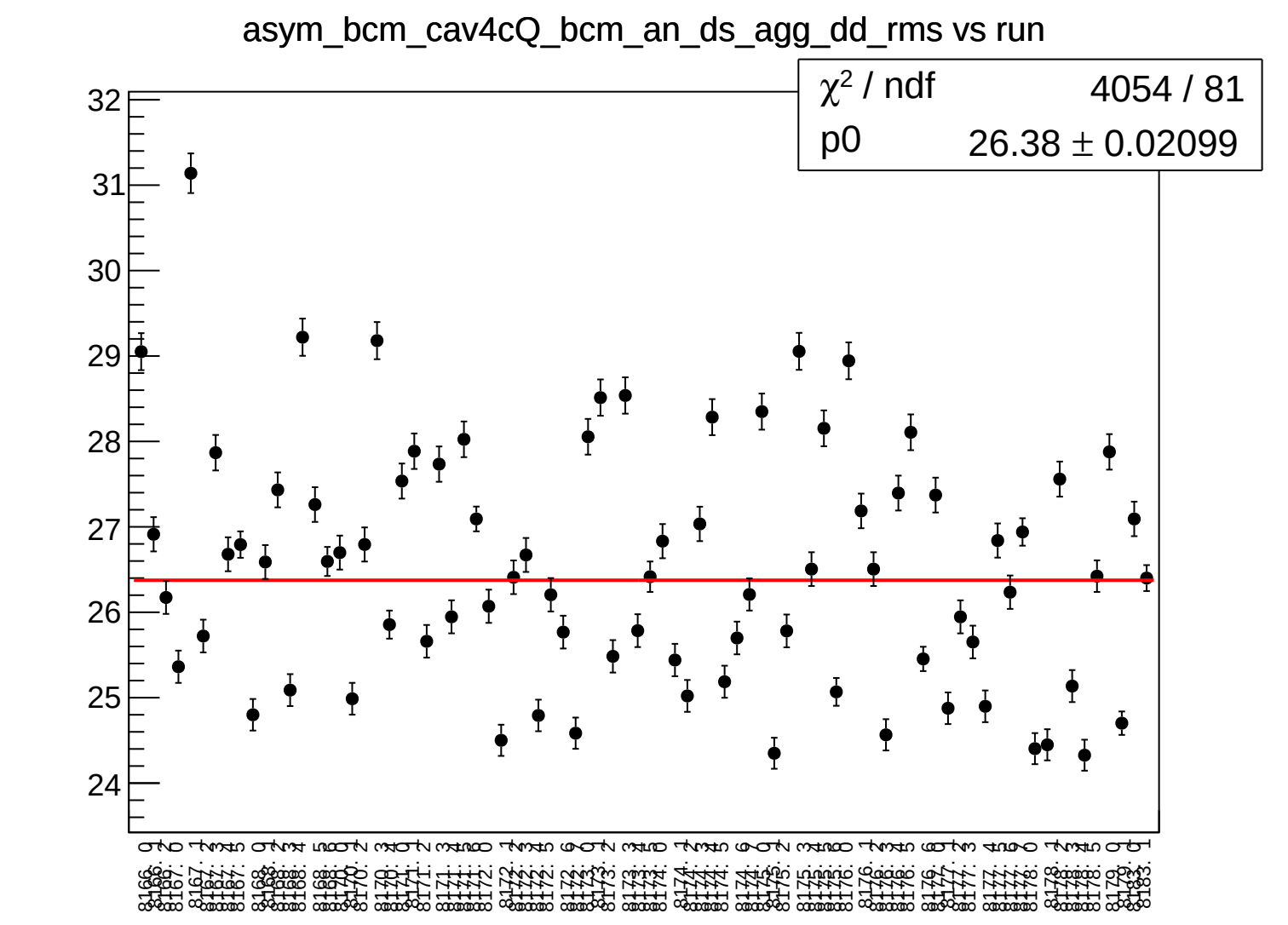

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 17 / 81
p0 −166.5 ± 176.5
pull
Entries 82
Mean 1182
Std Dev 0

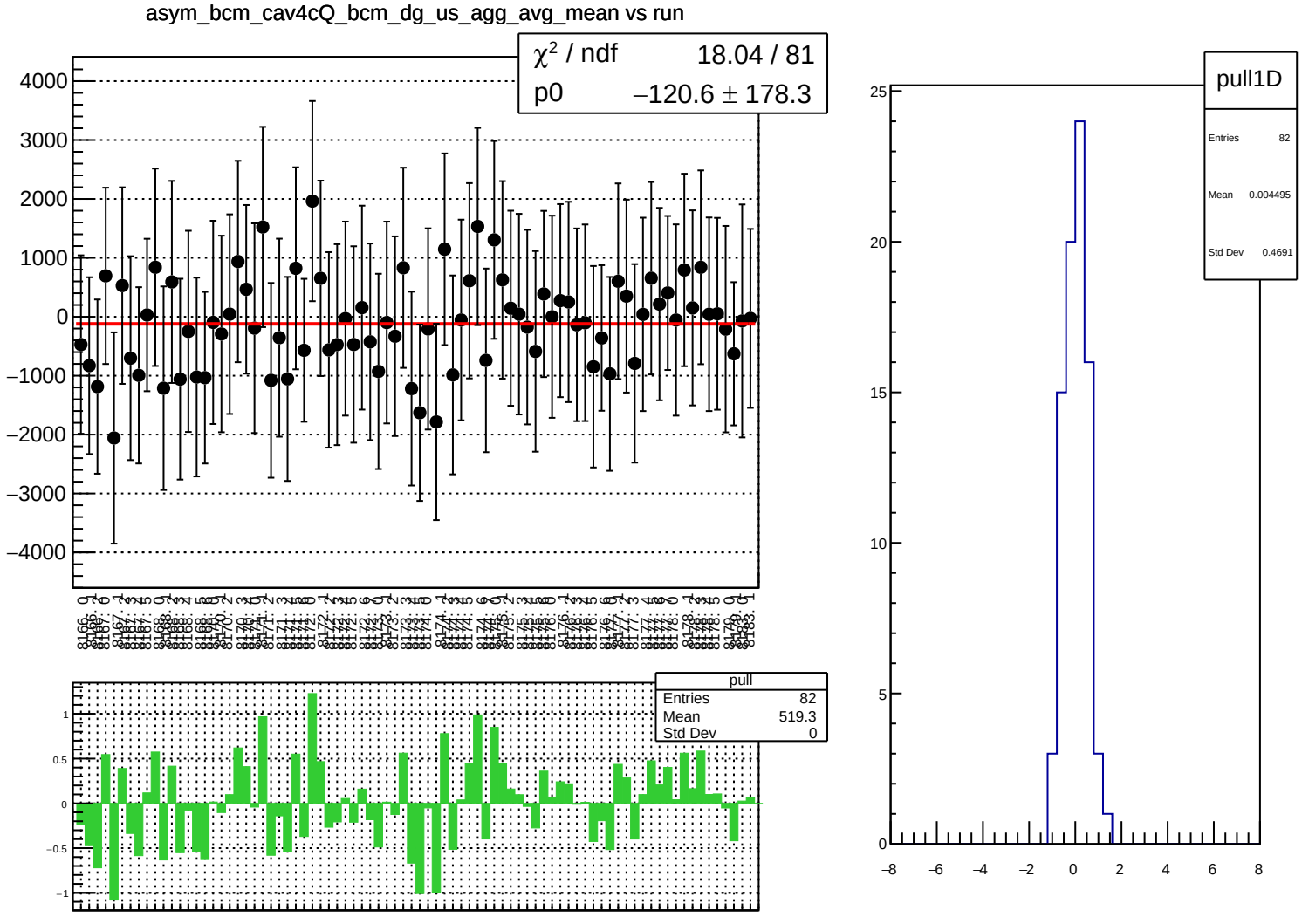

pull1D
Entries 82
Mean 0.002106
Std Dev 0.4553

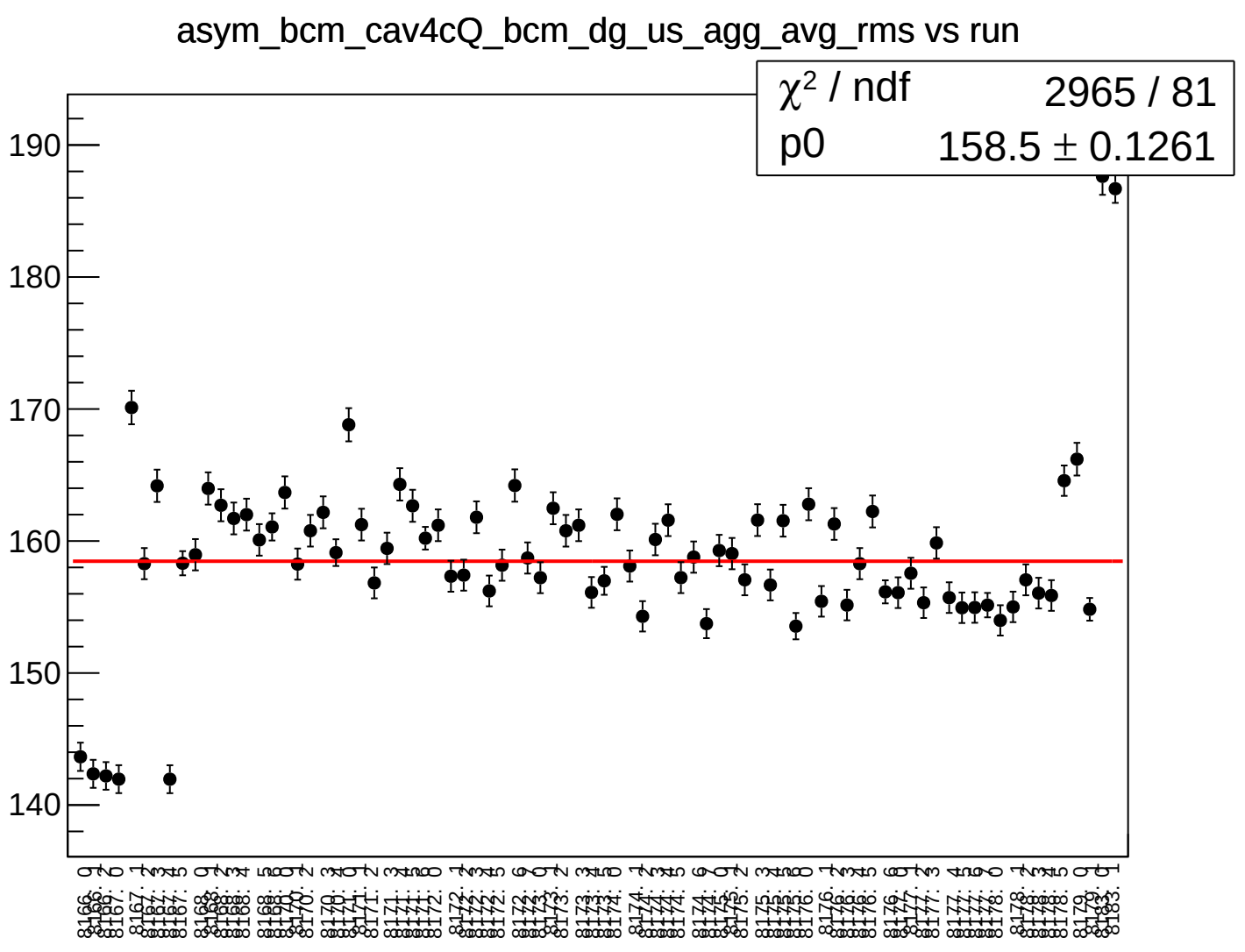

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3124 / 81
p0 156.9 ± 0.1248
190
180
170
160
150
140

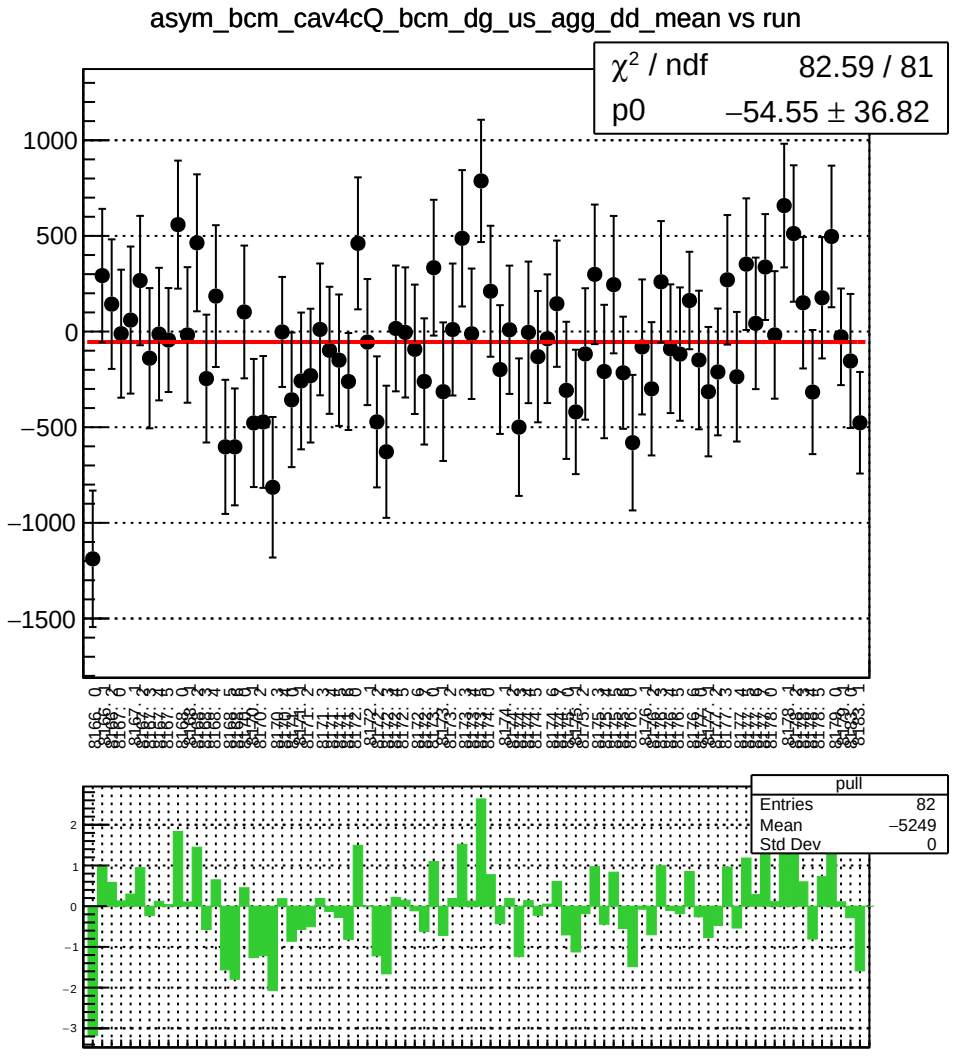

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 80.77 / 81
p0 −5.936 ± 29.68
1000
500
0
−500
−1000
pull
Entries 82
Mean 457.1
Std Dev 0
2
1
0
−1
−2
−3

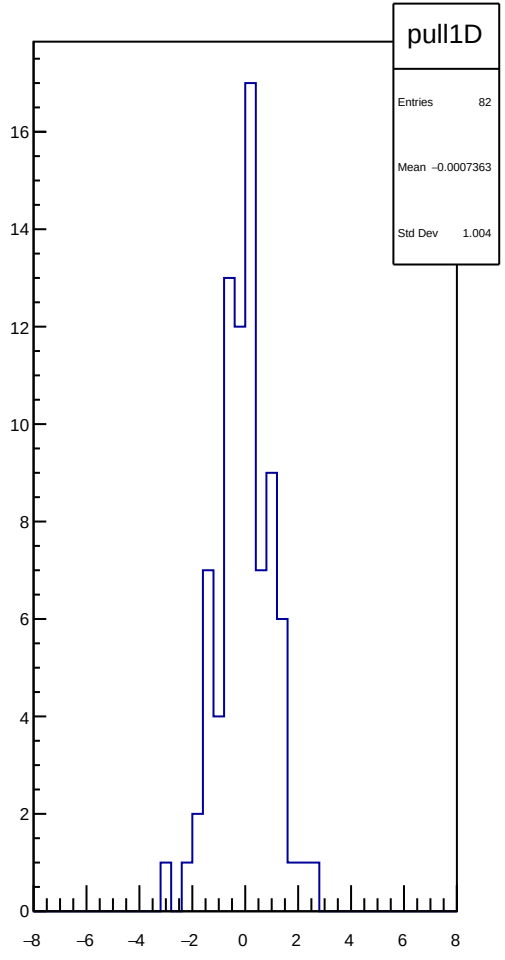

pull1D
Entries 82
Mean 0.008428
Std Dev 0.9924
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

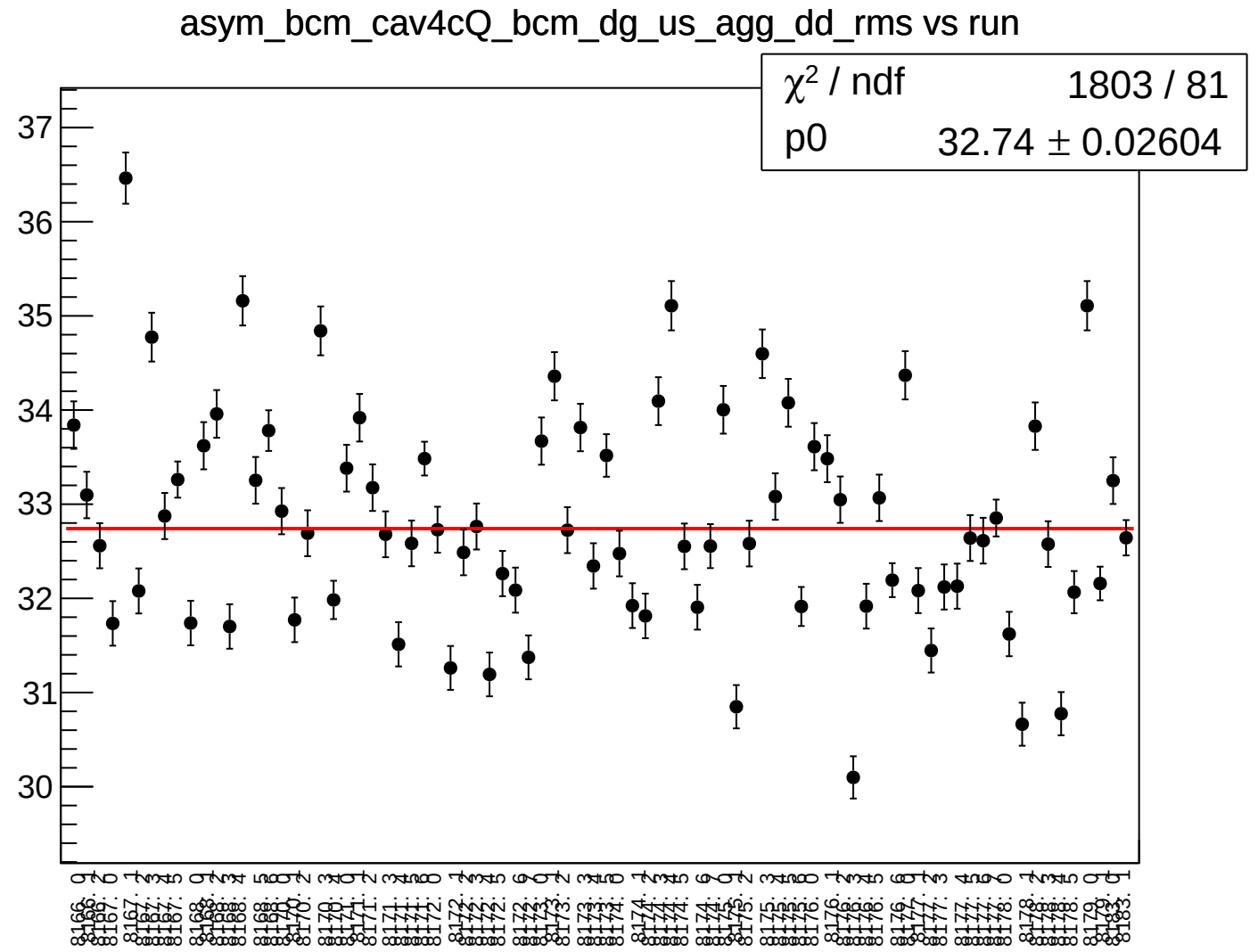

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4054 / 81
p0 26.38 ± 0.02099
32
31
30
29
28
27
26
25
24

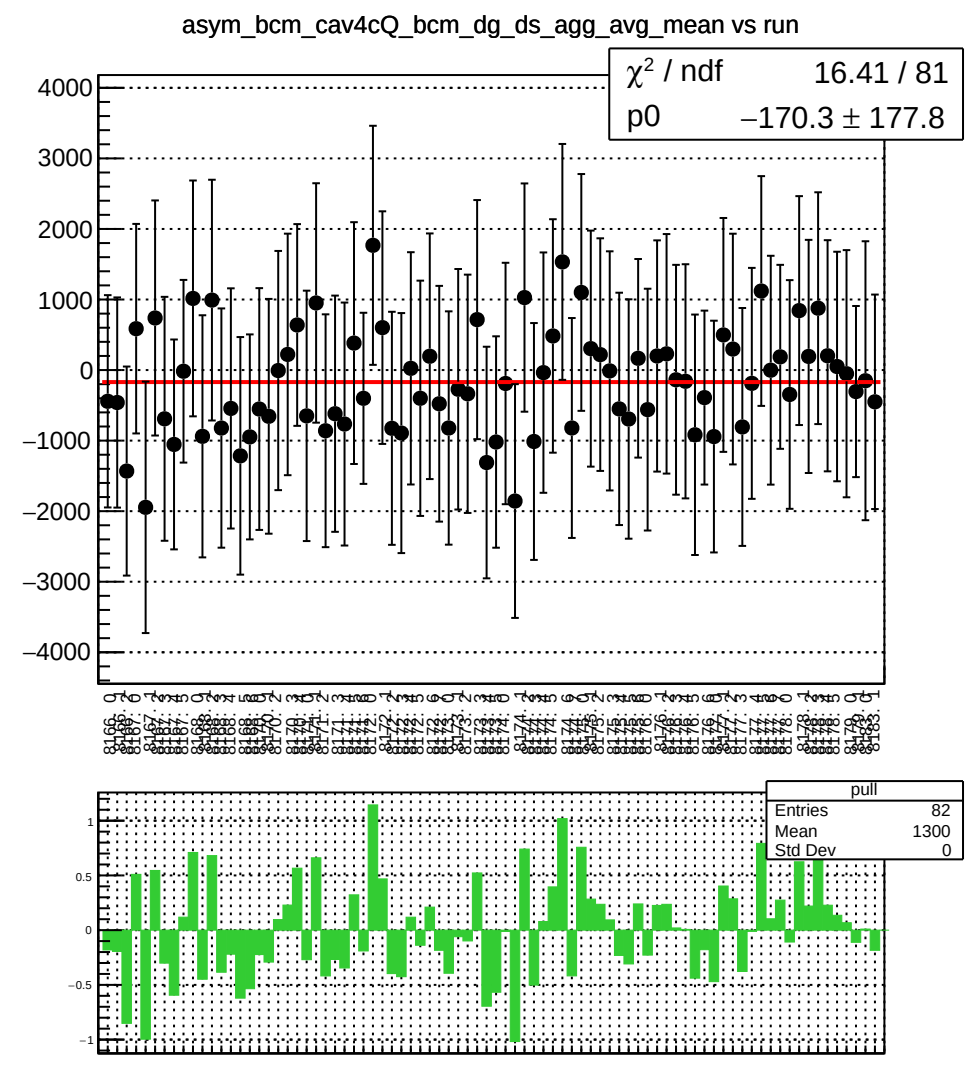

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 18.04 / 81
p0 −120.6 ± 178.3
pull
Entries 82
Mean 519.3
Std Dev 0
pull1D
Entries 82
Mean 0.004495
Std Dev 0.4691

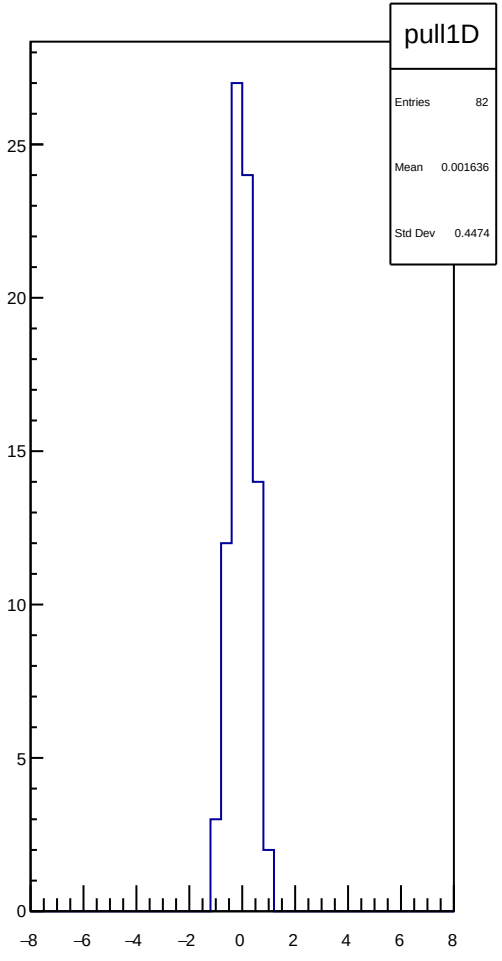

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 2965 / 81
p0 158.5 ± 0.1261
190
180
170
160
150
140

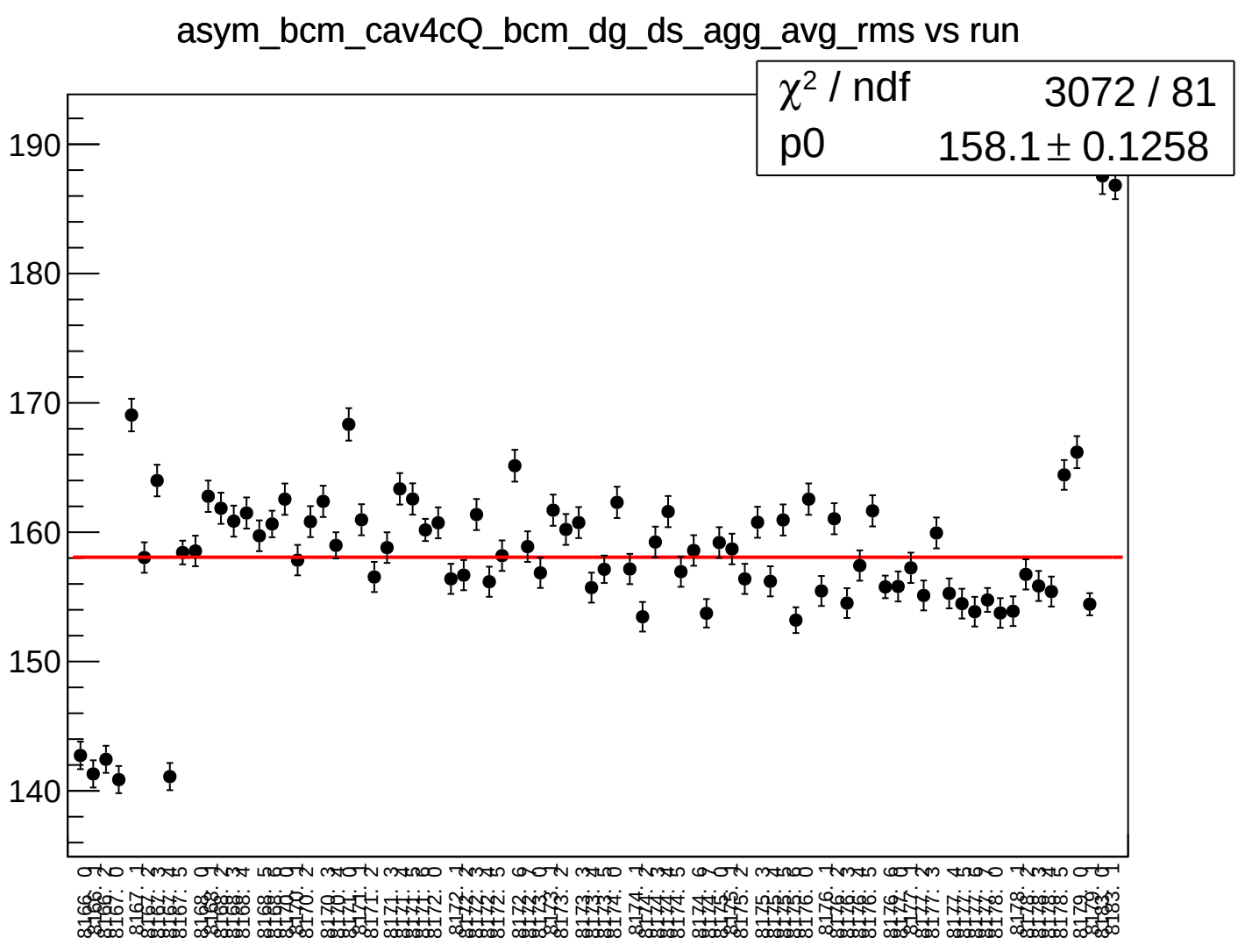

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 82.59 / 81
p0 −54.55 ± 36.82
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean −5249
Std Dev 0
2
1
0
−1
−2
−3

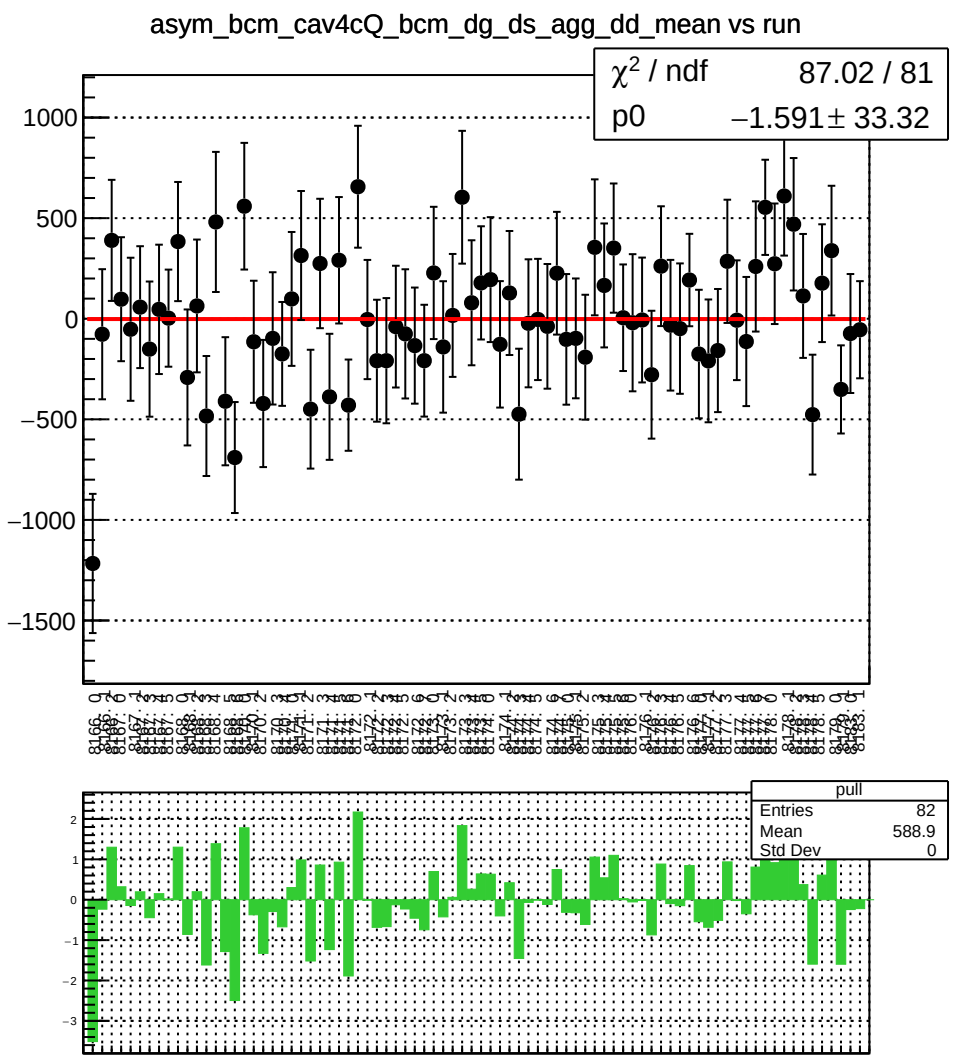

pull1D
Entries 82
Mean −0.0007363
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

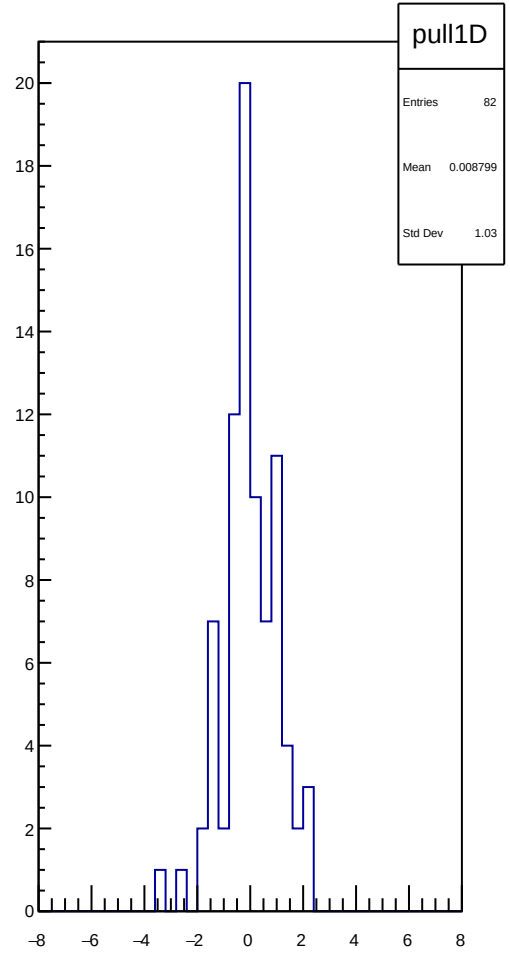

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1803 / 81
p0 32.74 ± 0.02604
37
36
35
34
33
32
31
30

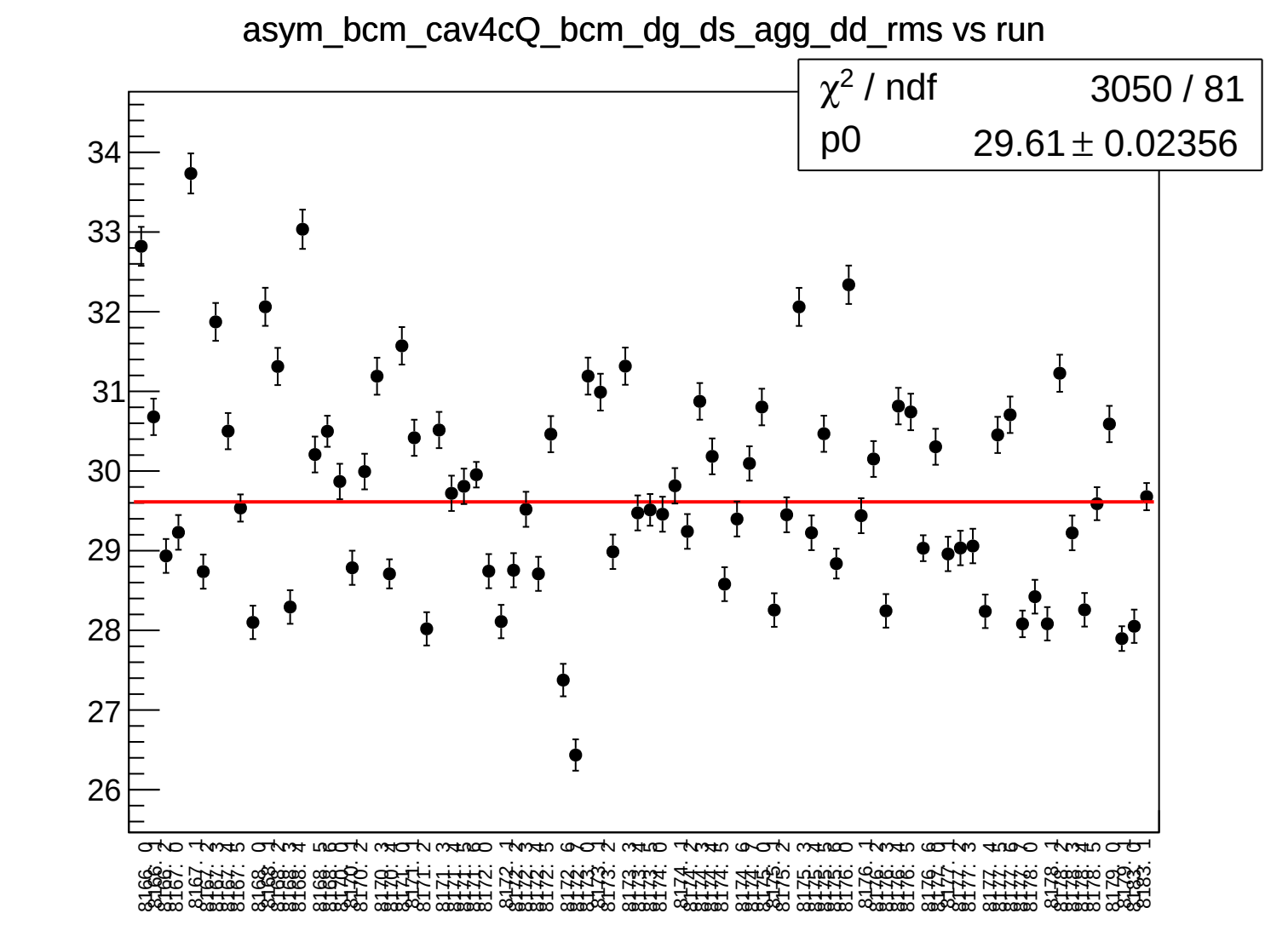

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 16.41 / 81
p0 −170.3 ± 177.8
pull
Entries 82
Mean 1300
Std Dev 0

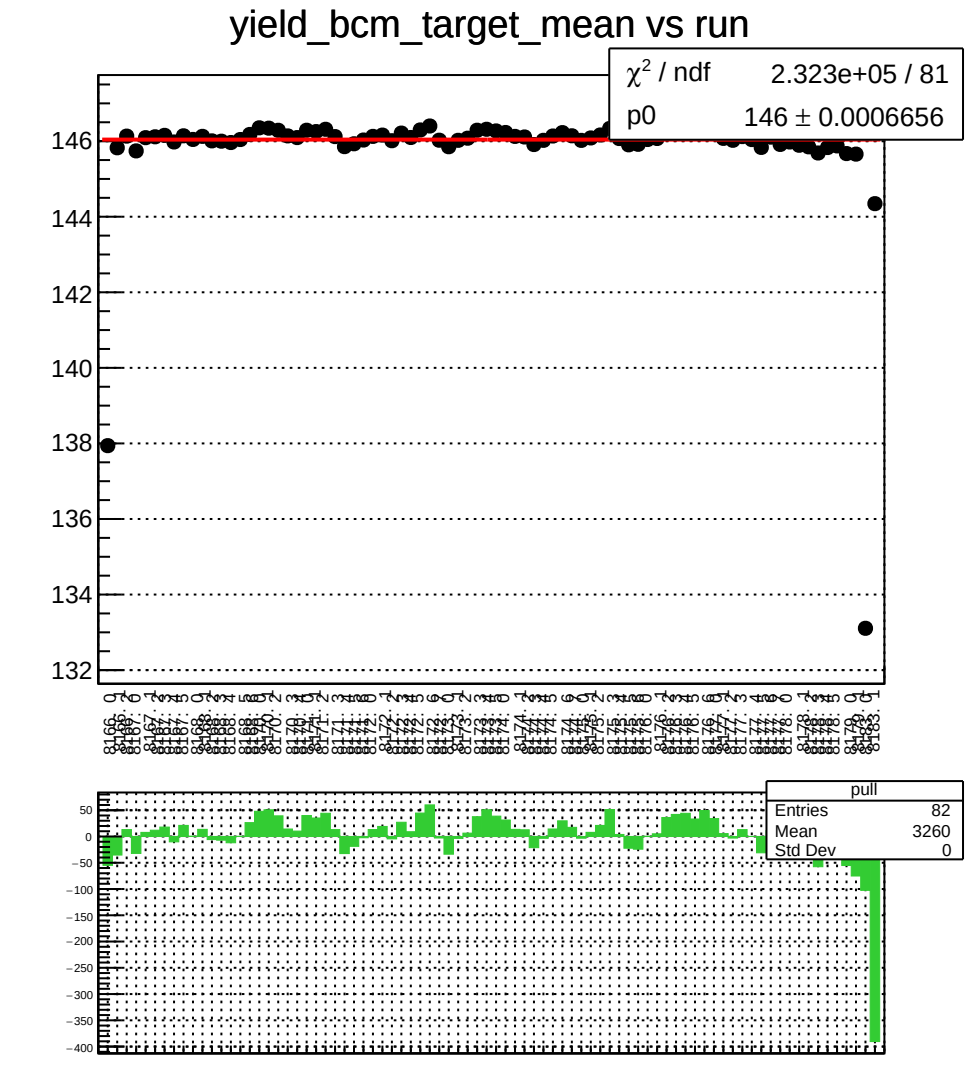

pull1D
Entries 82
Mean 0.001636
Std Dev 0.4474

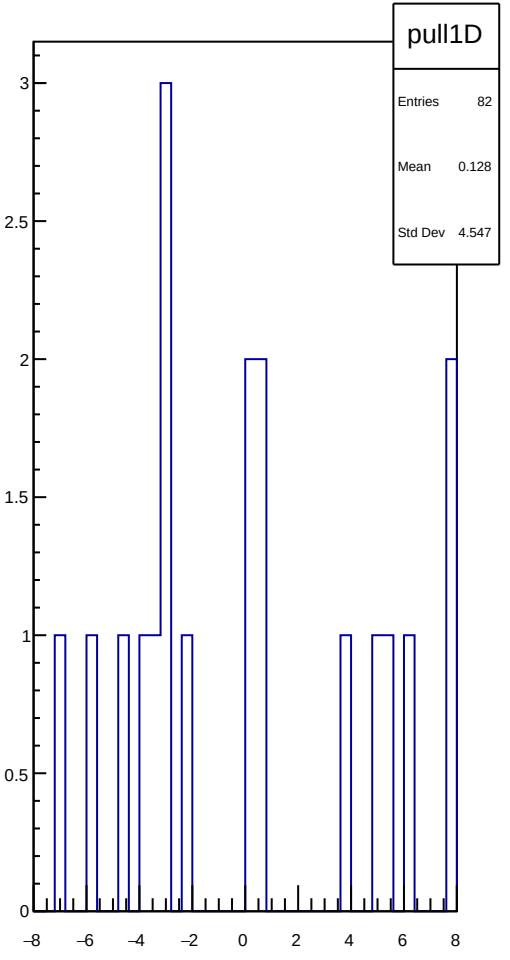

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3072 / 81
p0 158.1 ± 0.1258
190
180
170
160
150
140

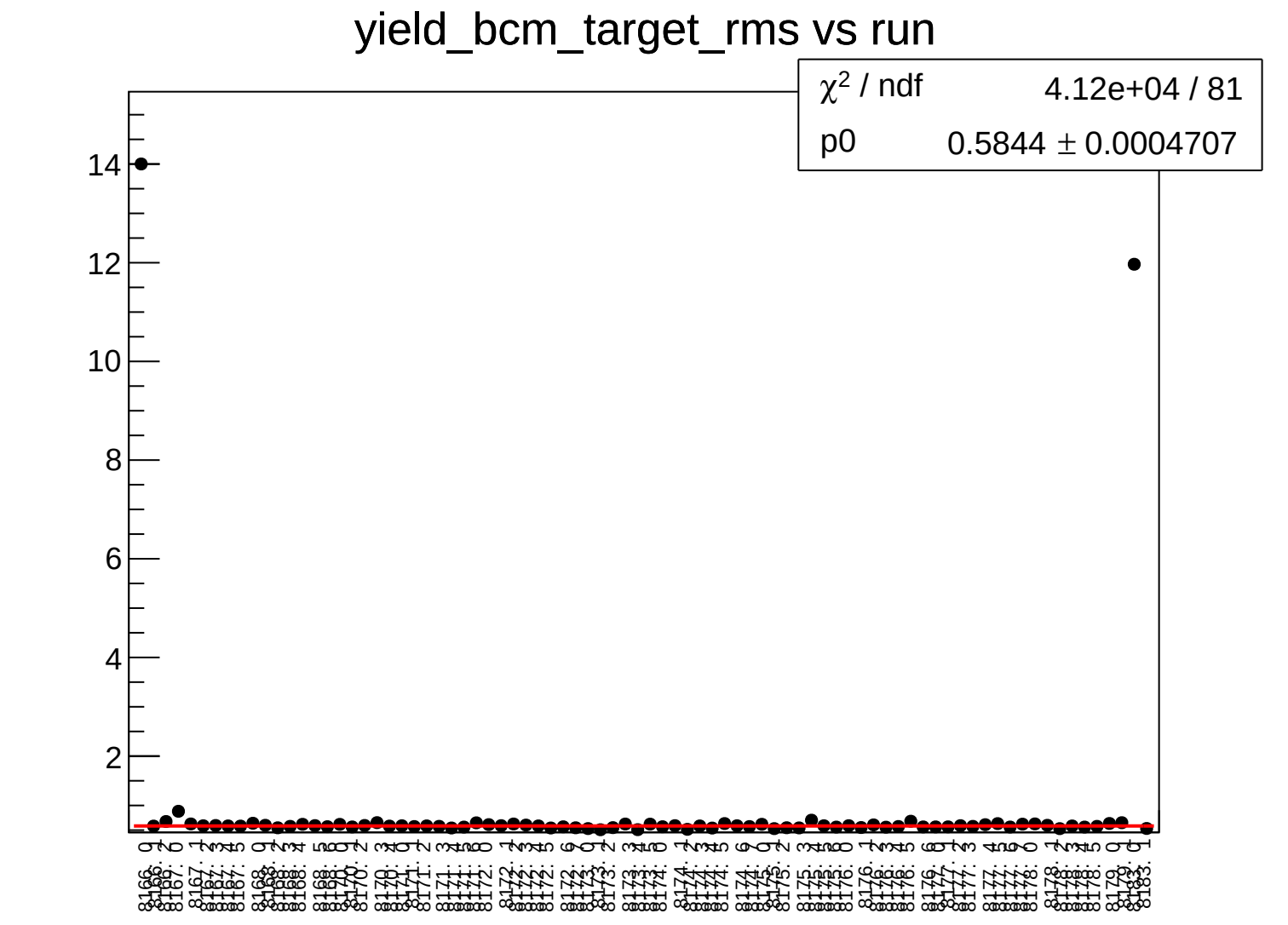

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 87.02 / 81
p0 −1.591 ± 33.32
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean 588.9
Std Dev 0
2
1
0
−1
−2
−3

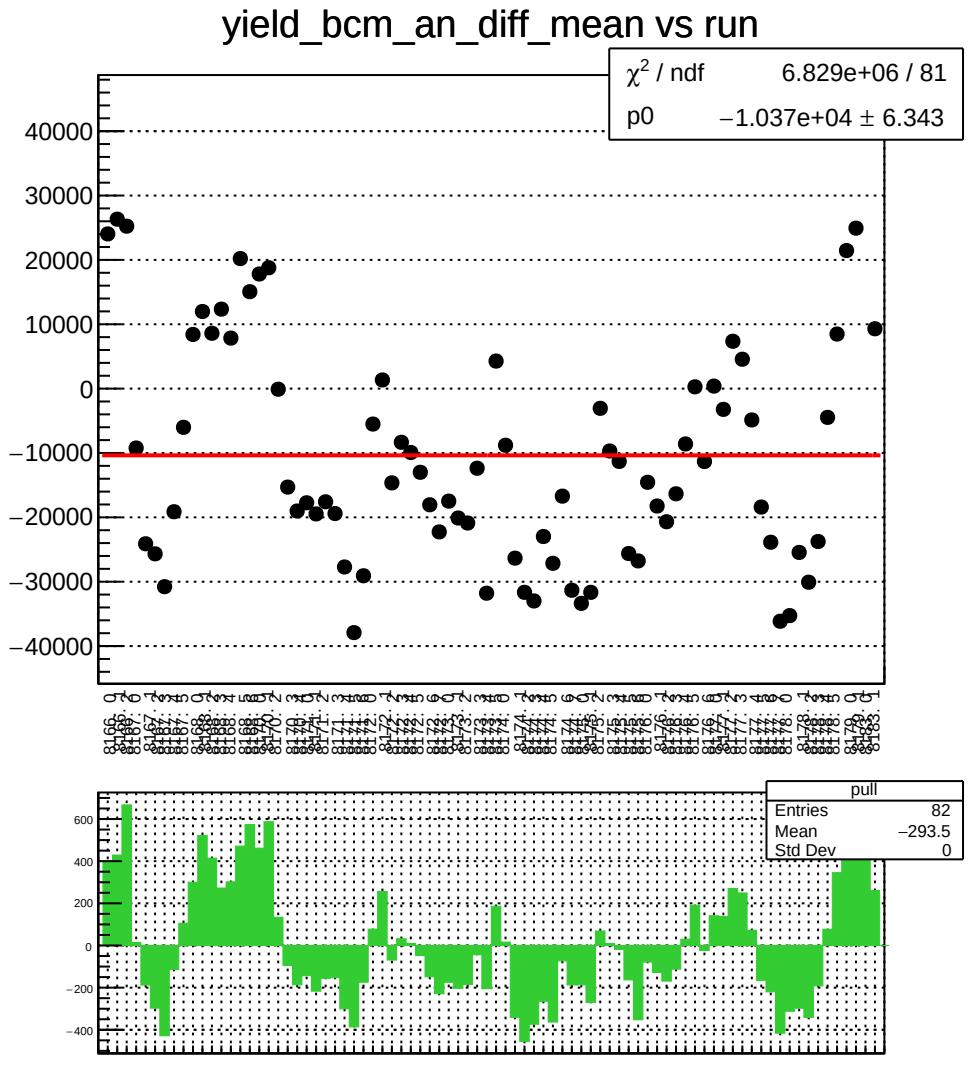

pull1D
Entries 82
Mean 0.008799
Std Dev 1.03
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

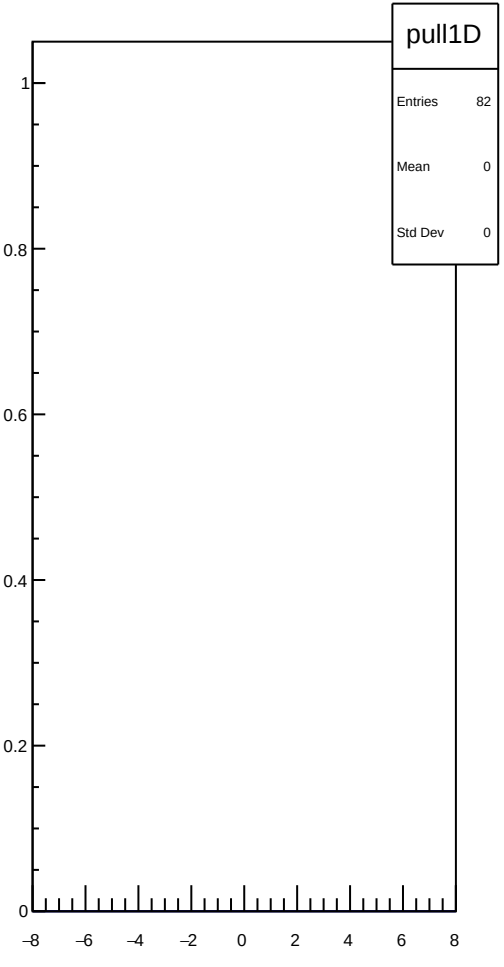

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3050 / 81
p0 29.61 ± 0.02356
34
33
32
31
30
29
28
27
26

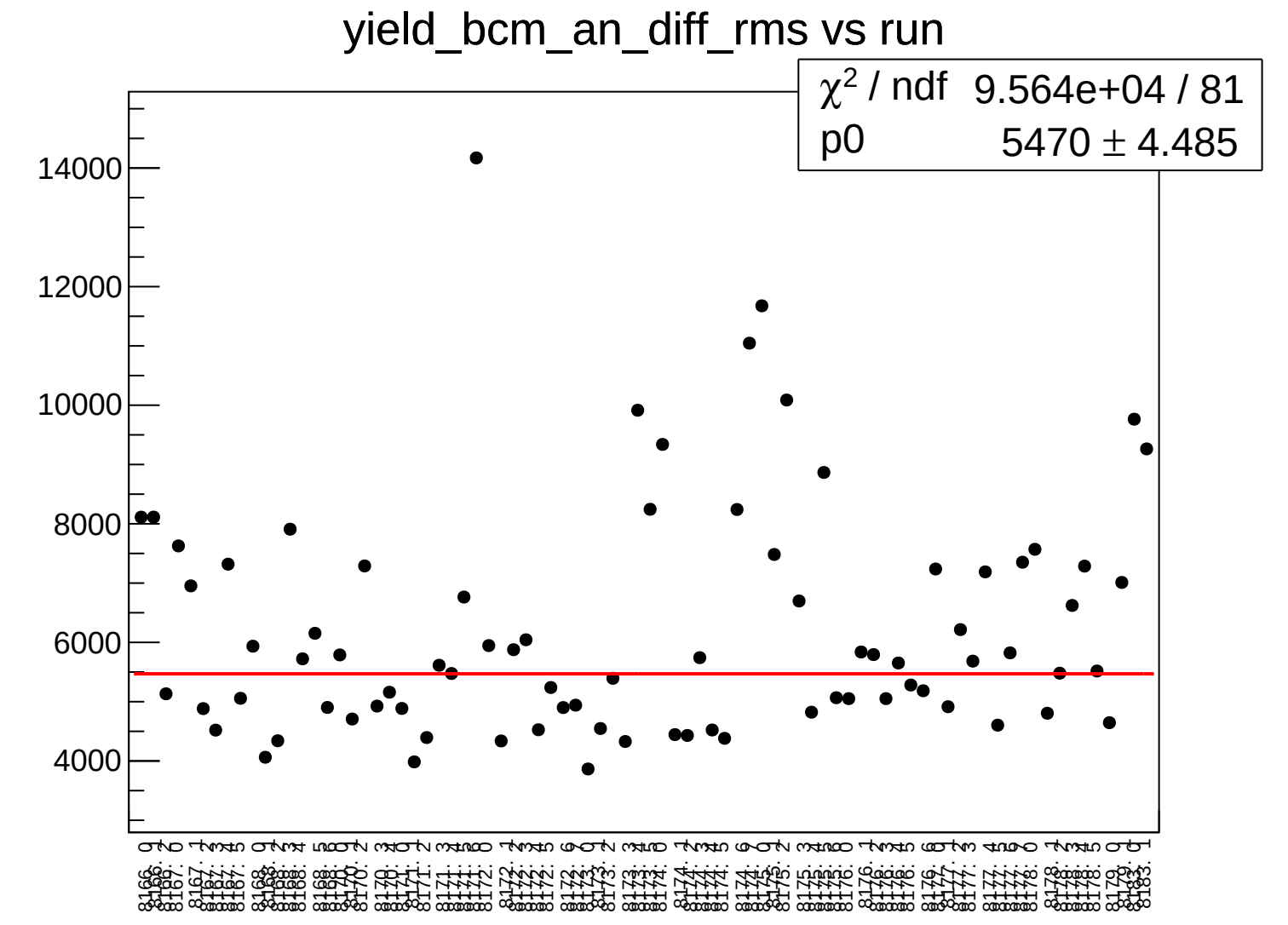

yield_bcm_target_mean vs run
χ² / ndf 2.323e+05 / 81
p0 146 ± 0.0006656
pull
Entries 82
Mean 3260
Std Dev 0

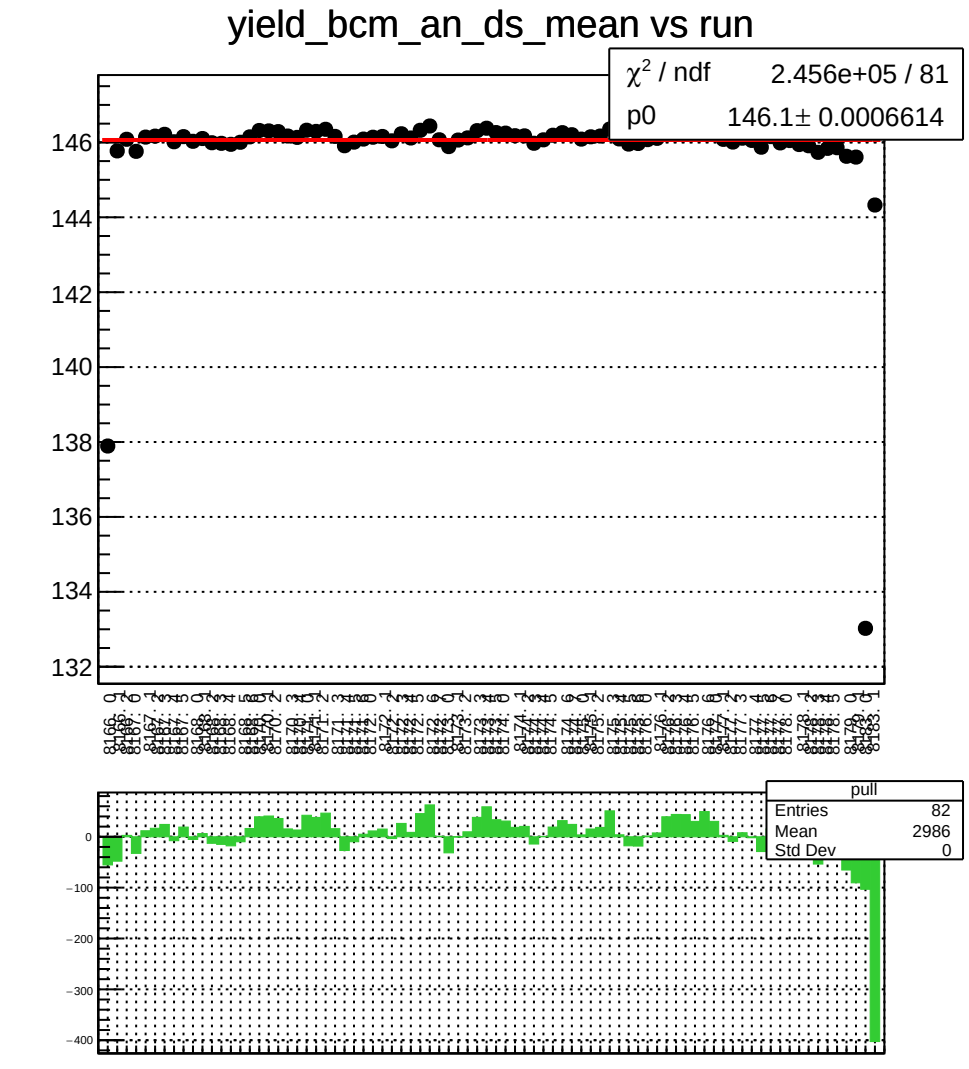

pull1D
Entries 82
Mean 0.128
Std Dev 4.547

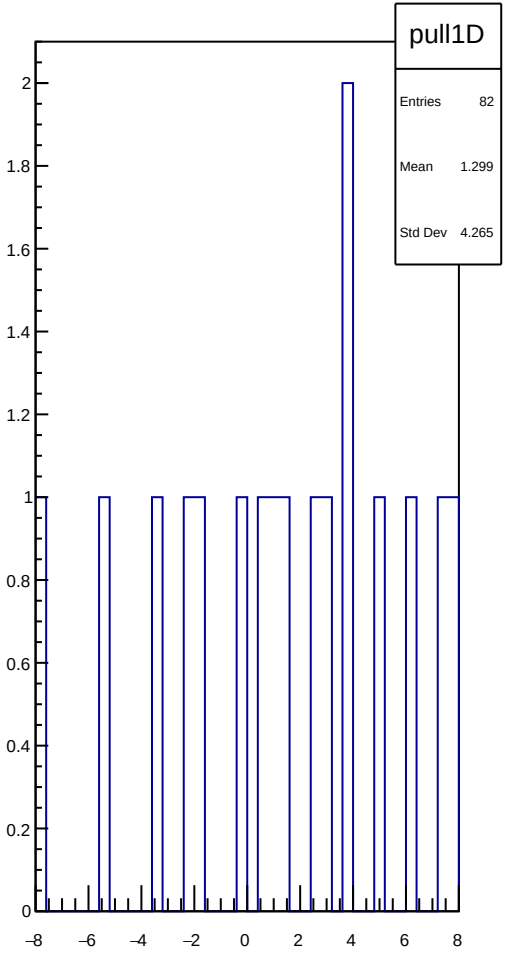

yield_bcm_target_rms vs run
χ² / ndf 4.12e+04 / 81
p0 0.5844 ± 0.0004707
14
12
10
8
6
4
2

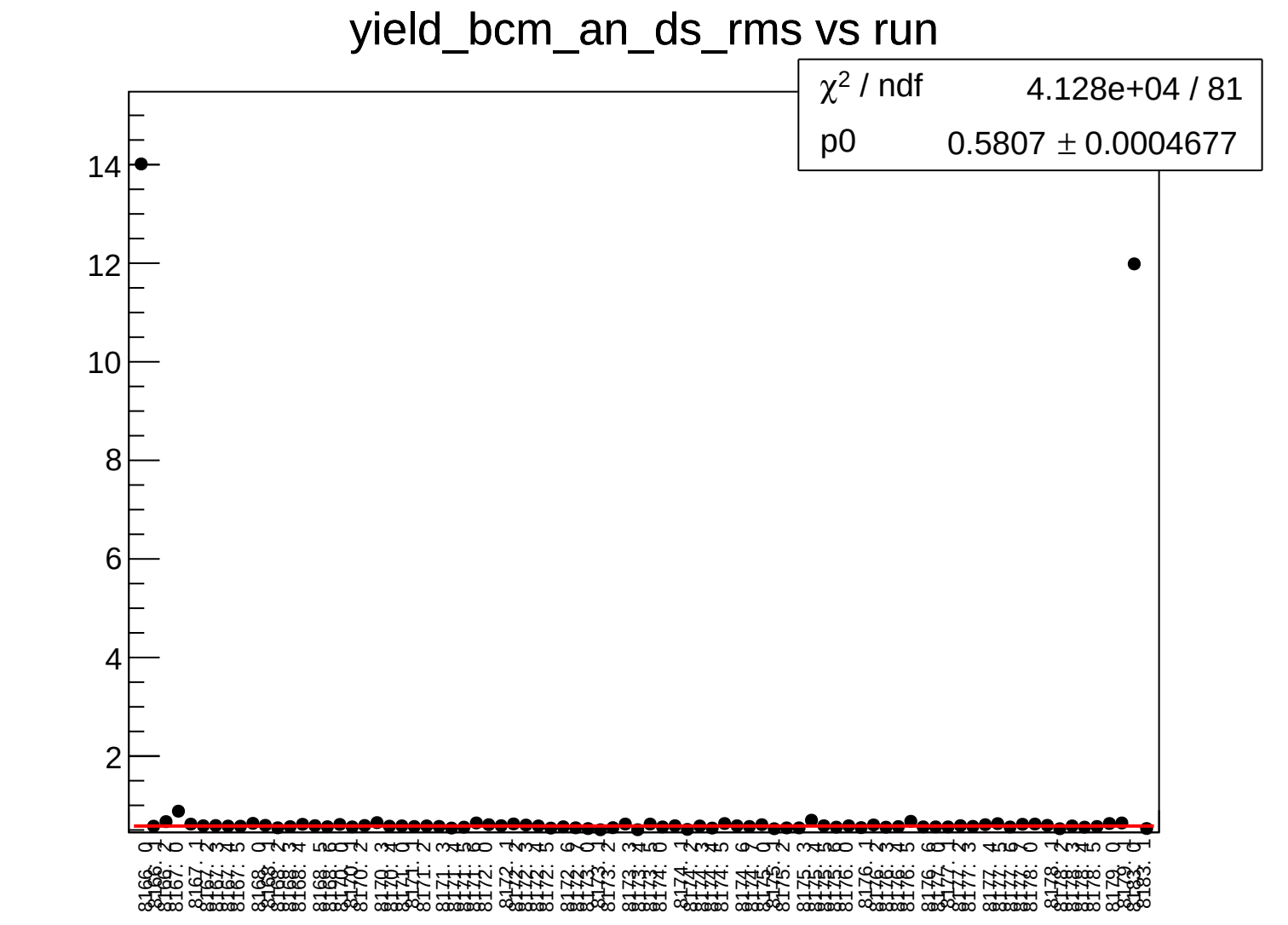

yield_bcm_an_diff_mean vs run
χ² / ndf 6.829e+06 / 81
p0 −1.037e+04 ± 6.343
pull
Entries 82
Mean −293.5
Std Dev 0

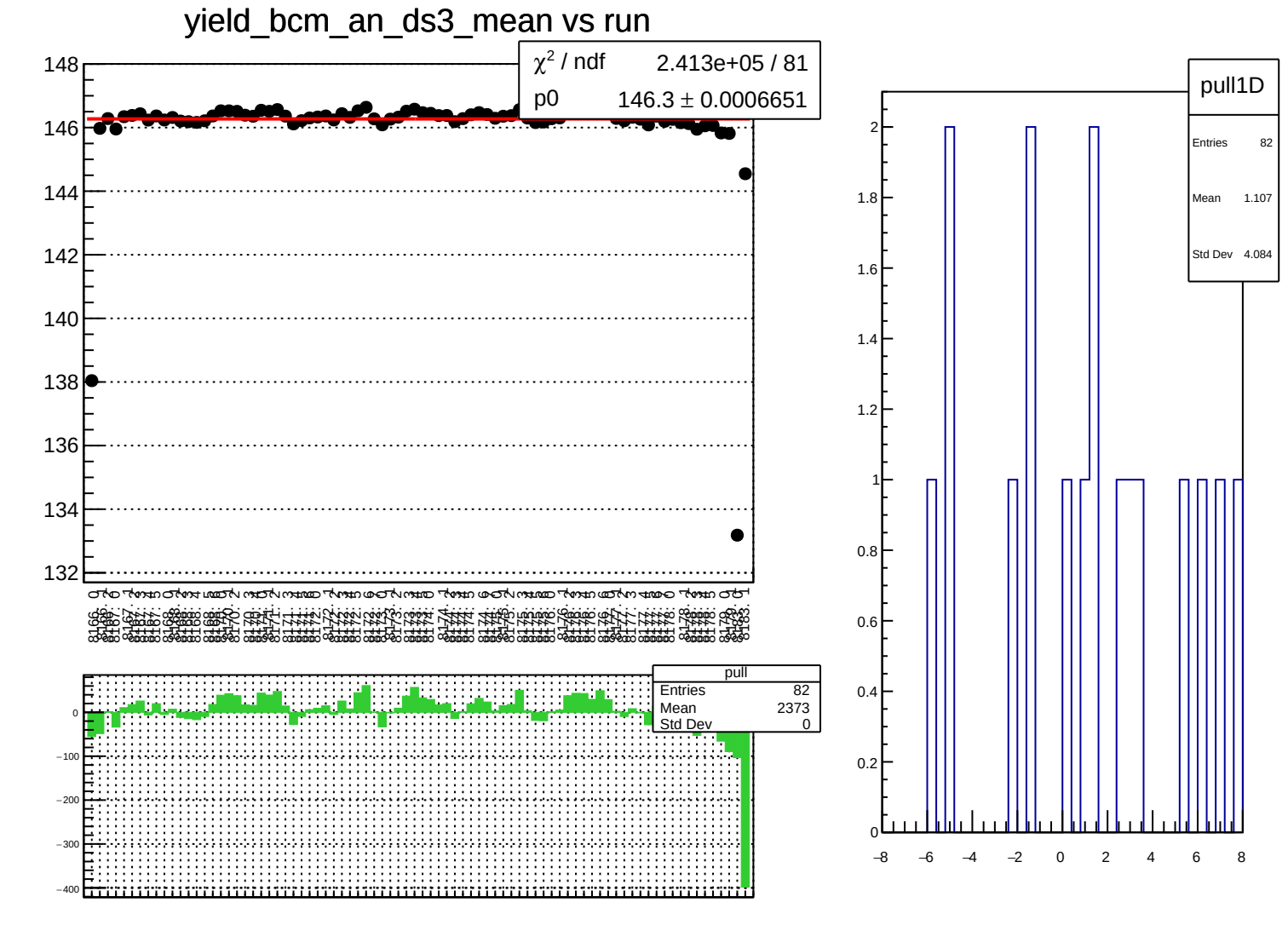

pull1D
Entries 82
Mean 0
Std Dev 0

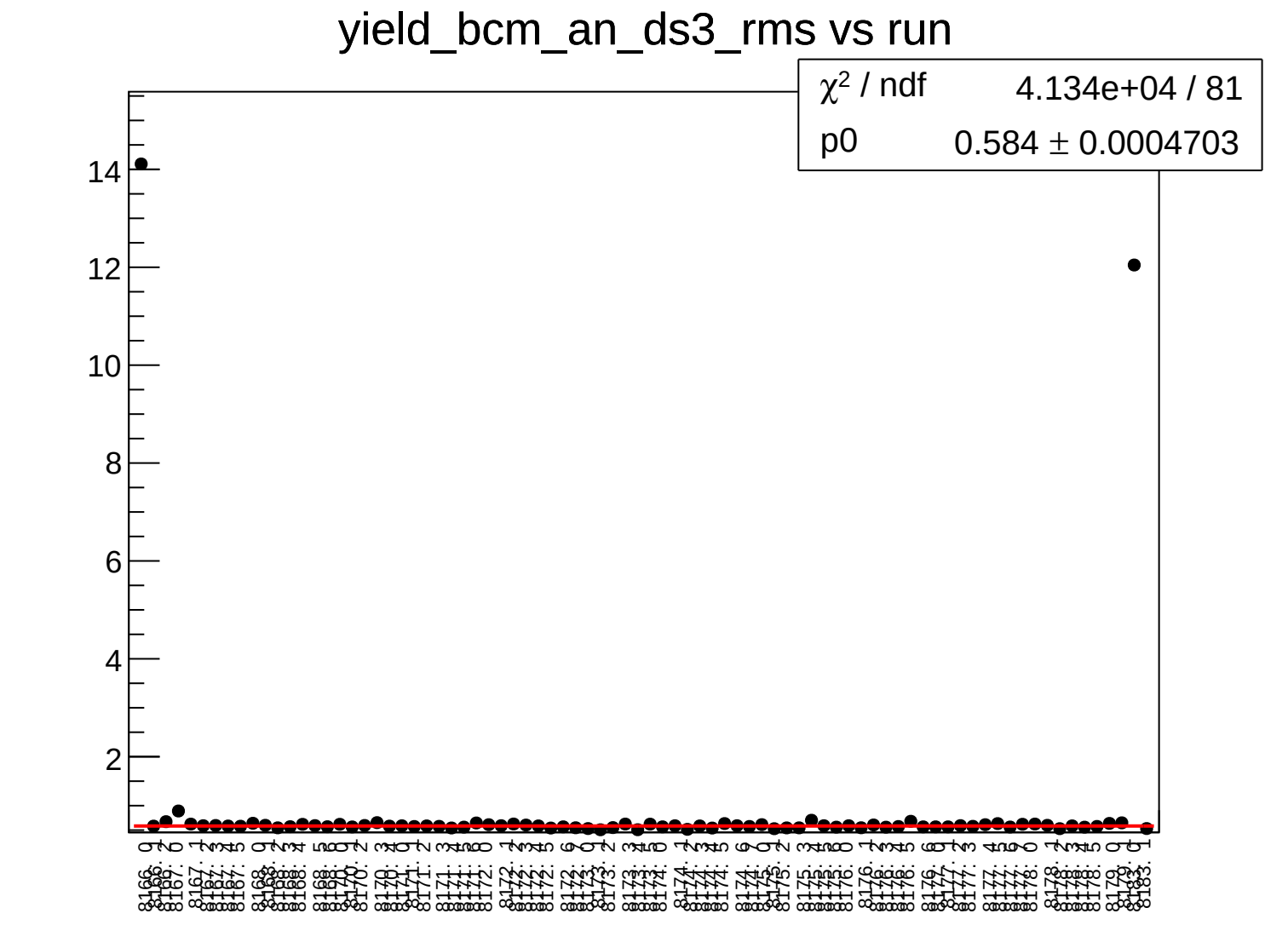

yield_bcm_an_diff_rms vs run
χ^2 / ndf 9.564e+04 / 81
p0 5470 ± 4.485
14000
12000
10000
8000
6000
4000

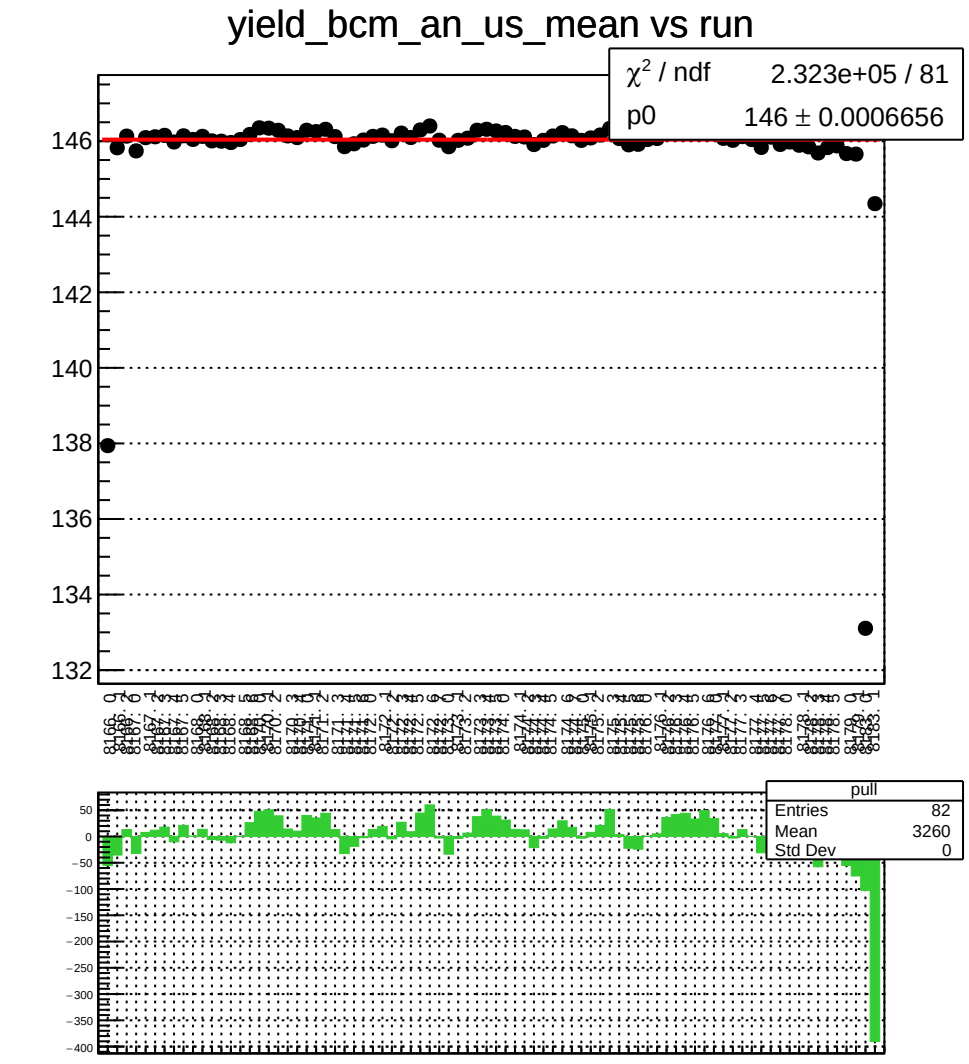

yield_bcm_an_ds_mean vs run
χ² / ndf 2.456e+05 / 81
p0 146.1± 0.0006614
146
144
142
140
138
136
134
132
pull
Entries 82
Mean 2986
Std Dev 0
0
−100
−200
−300
−400

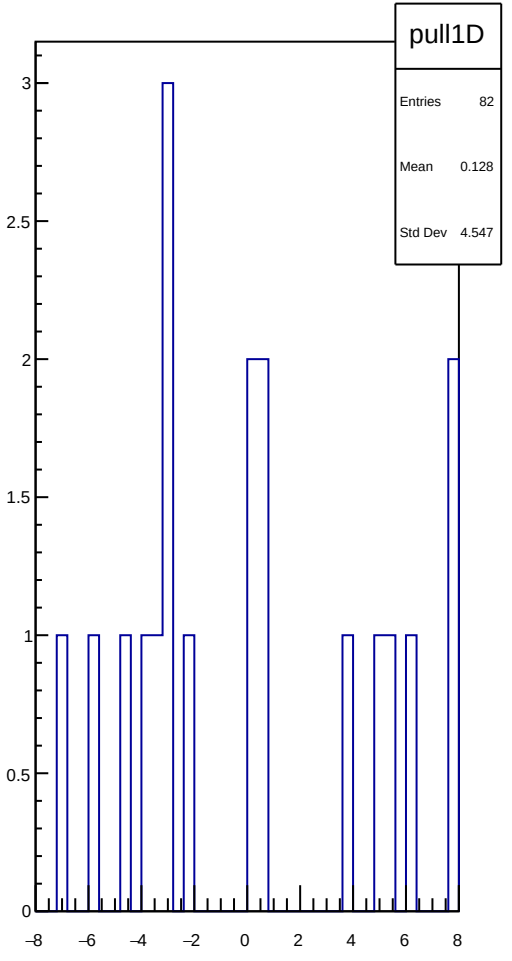

pull1D
Entries 82
Mean 1.299
Std Dev 4.265
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

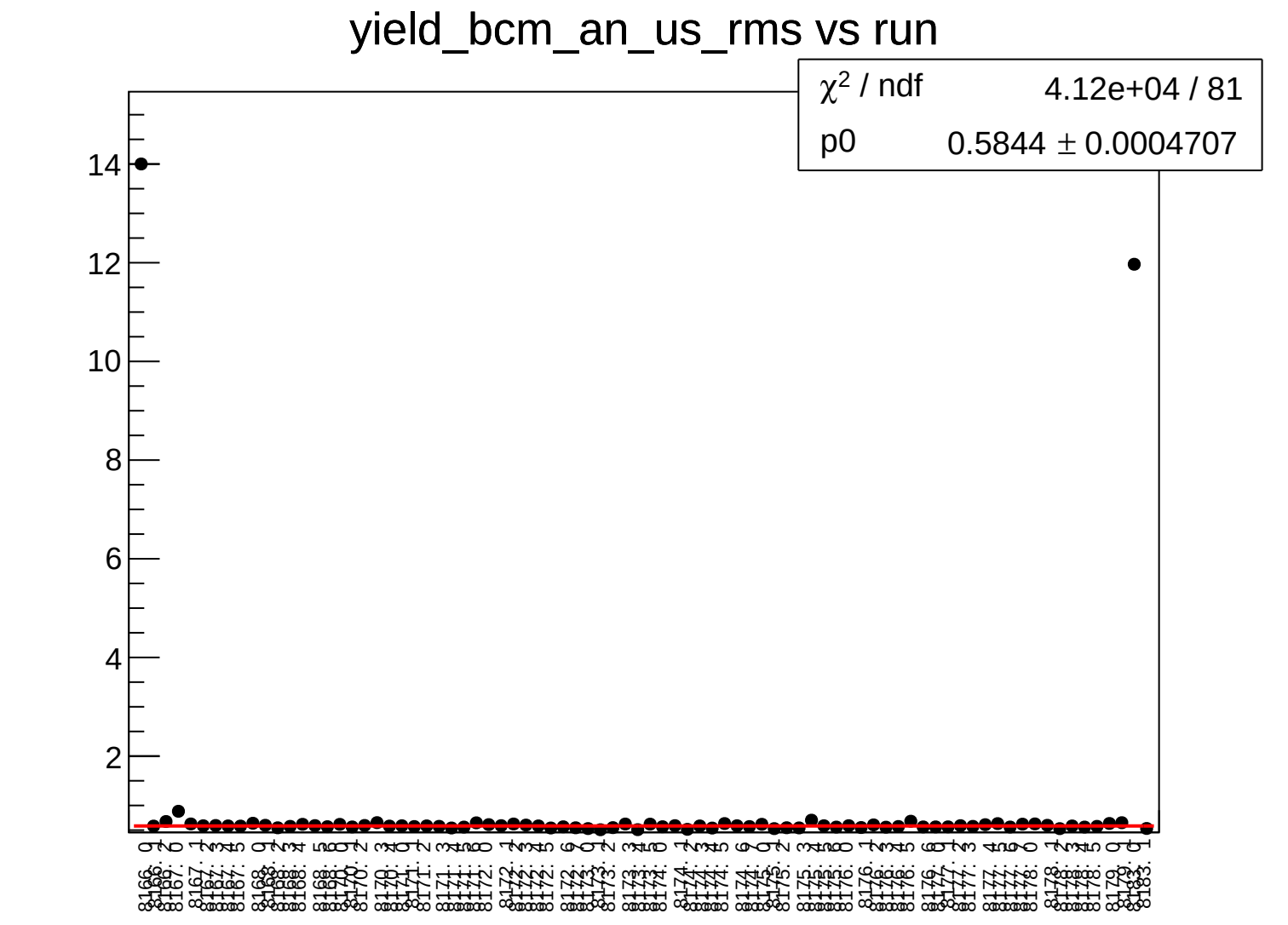

yield_bcm_an_ds_rms vs run
χ² / ndf 4.128e+04 / 81
p0 0.5807 ± 0.0004677
14
12
10
8
6
4
2

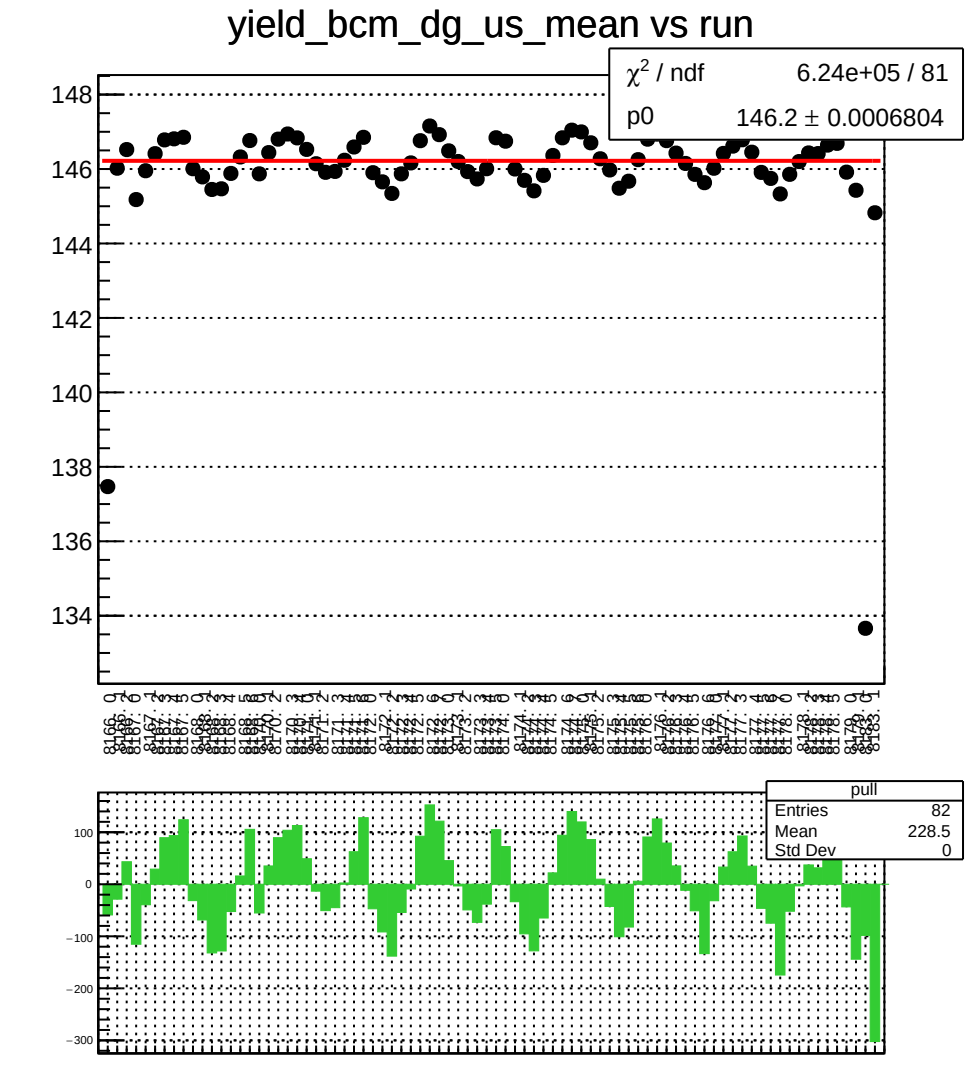

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.413e+05 / 81
p0 146.3 ± 0.0006651
148
146
144
142
140
138
136
134
132
pull
Entries 82
Mean 2373
Std Dev 0
0
−100
−200
−300
−400
pull1D
Entries 82
Mean 1.107
Std Dev 4.084
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

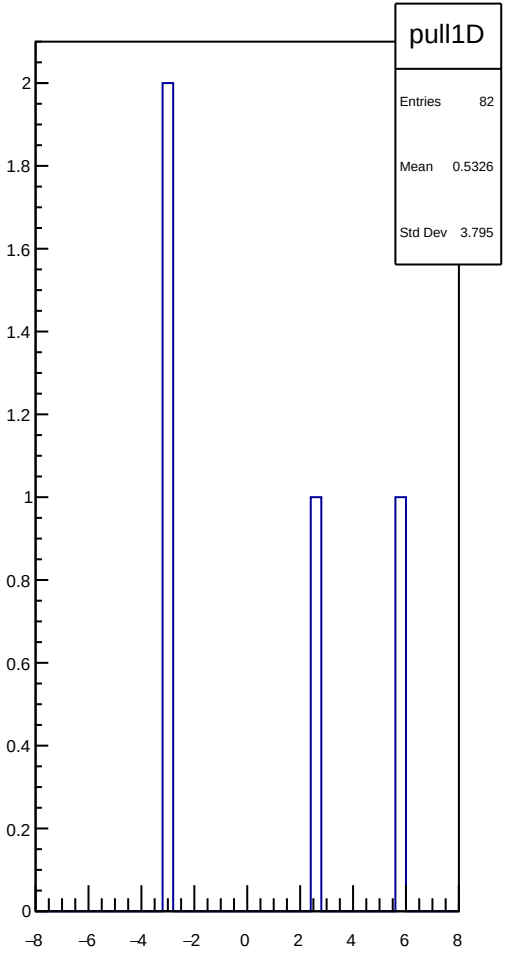

yield_bcm_an_ds3_rms vs run
χ² / ndf 4.134e+04 / 81
p0 0.584 ± 0.0004703
14
12
10
8
6
4
2

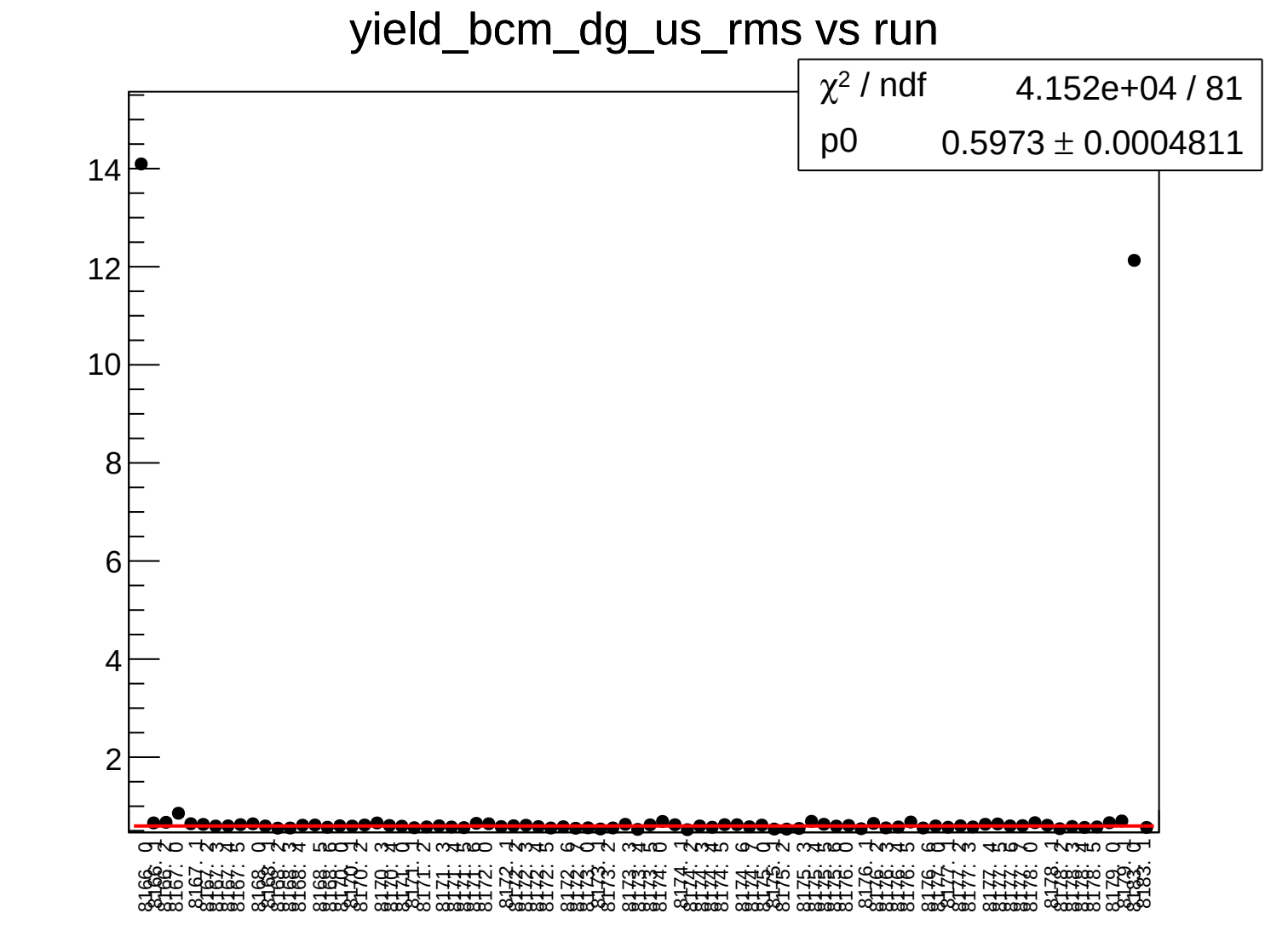

yield_bcm_an_us_mean vs run
χ² / ndf 2.323e+05 / 81
p0 146 ± 0.0006656
146
144
142
140
138
136
134
132
pull
Entries 82
Mean 3260
Std Dev 0
50
0
−50
−100
−150
−200
−250
−300
−350
−400

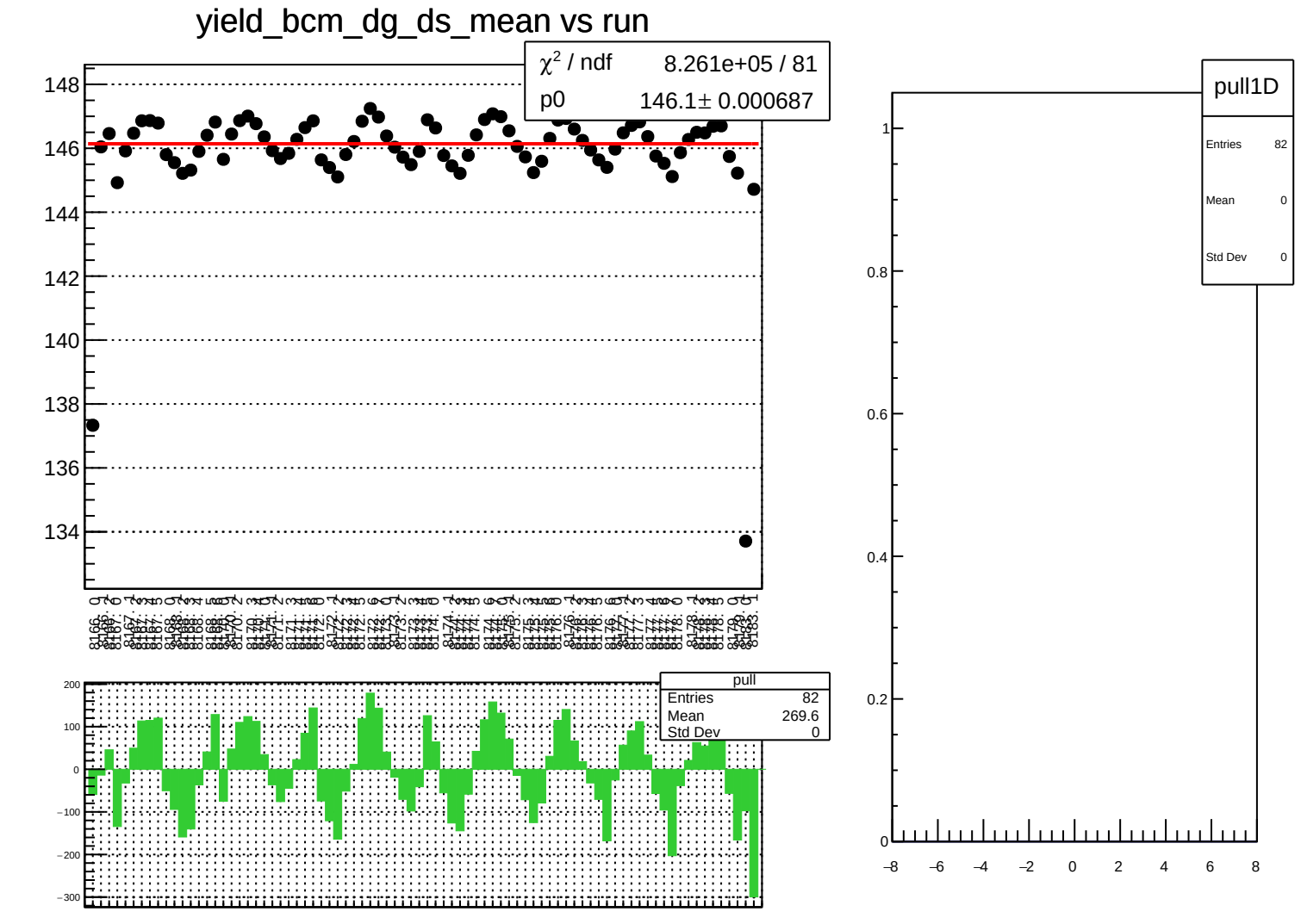

pull1D
Entries 82
Mean 0.128
Std Dev 4.547
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

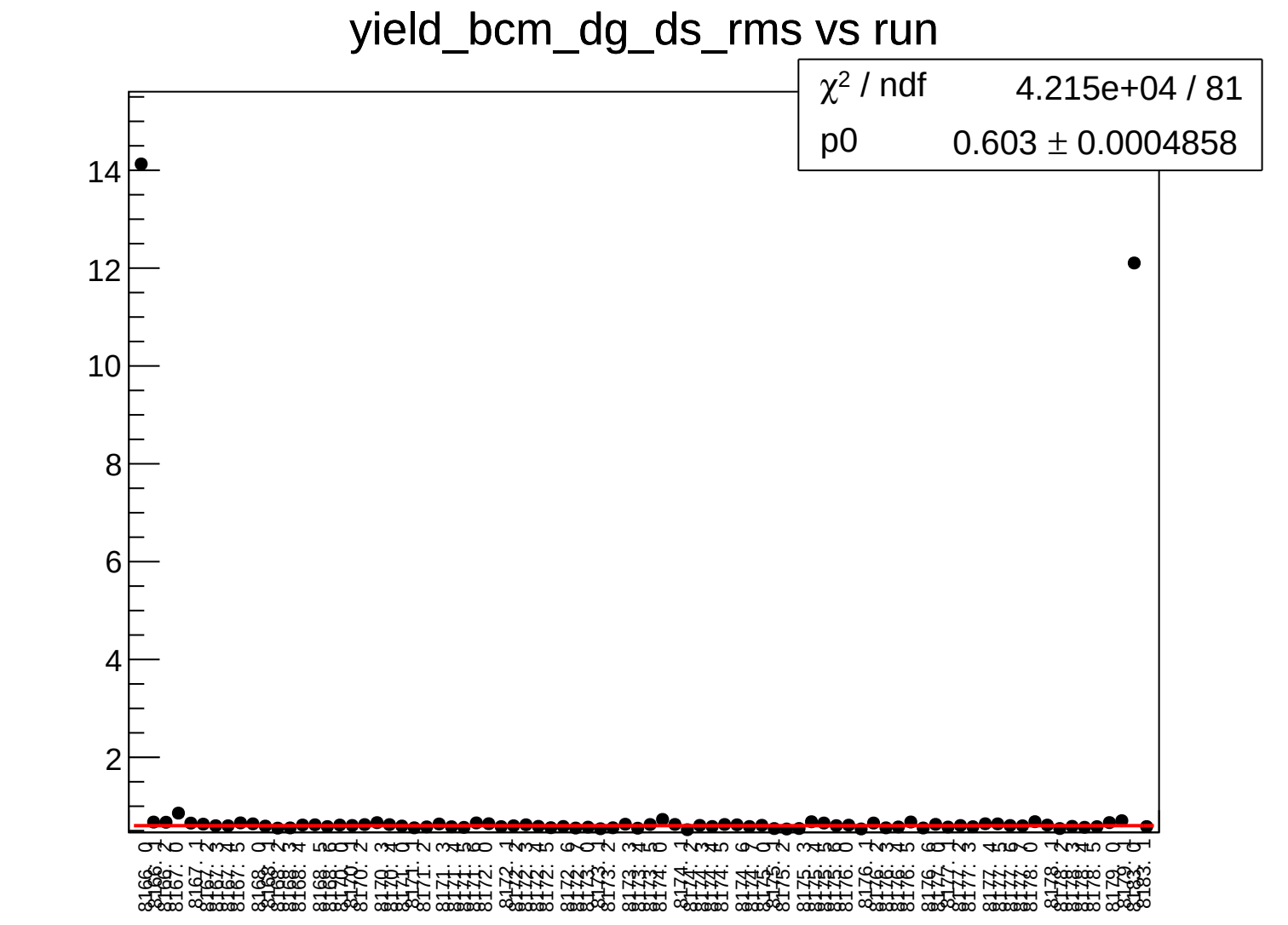

yield_bcm_an_us_rms vs run
χ² / ndf 4.12e+04 / 81
p0 0.5844 ± 0.0004707
14
12
10
8
6
4
2

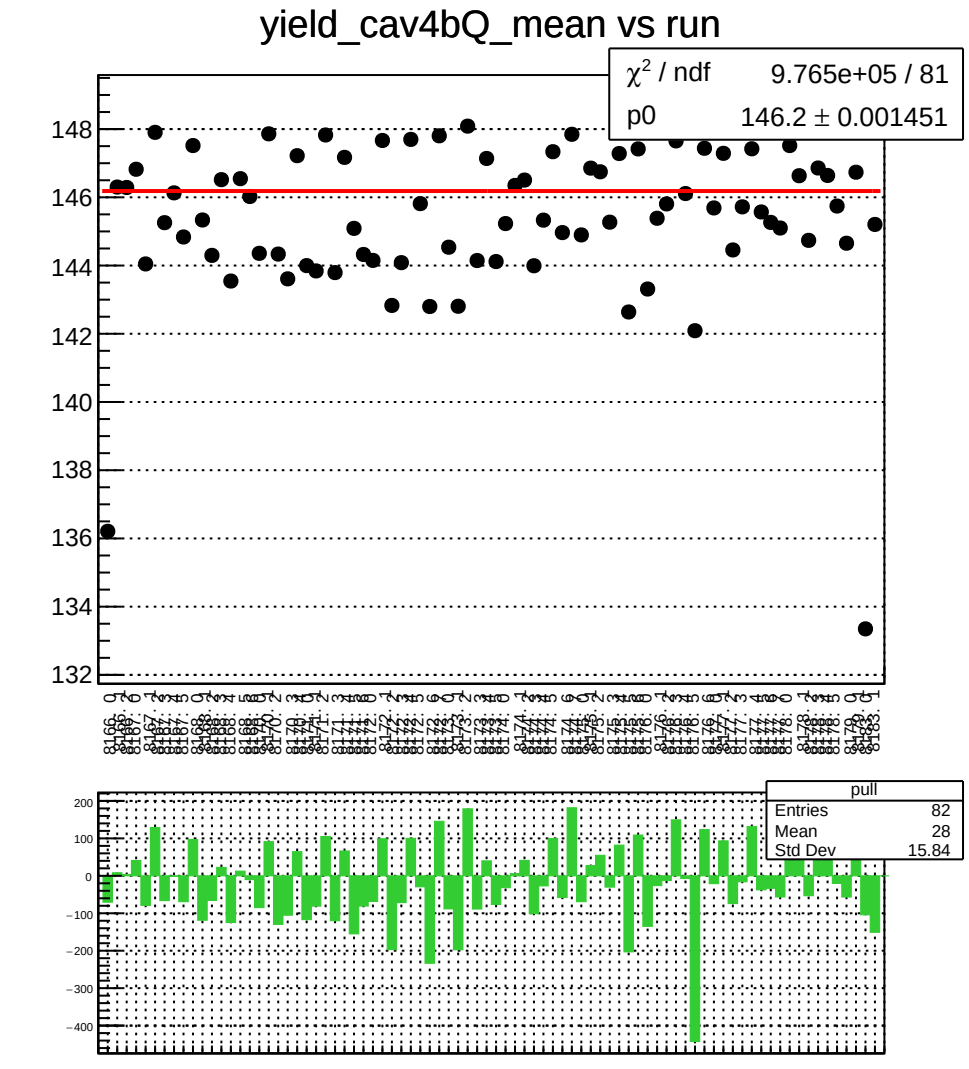

yield_bcm_dg_us_mean vs run
χ² / ndf 6.24e+05 / 81
p0 146.2 ± 0.0006804
148
146
144
142
140
138
136
134
pull
Entries 82
Mean 228.5
Std Dev 0
100
0
−100
−200
−300

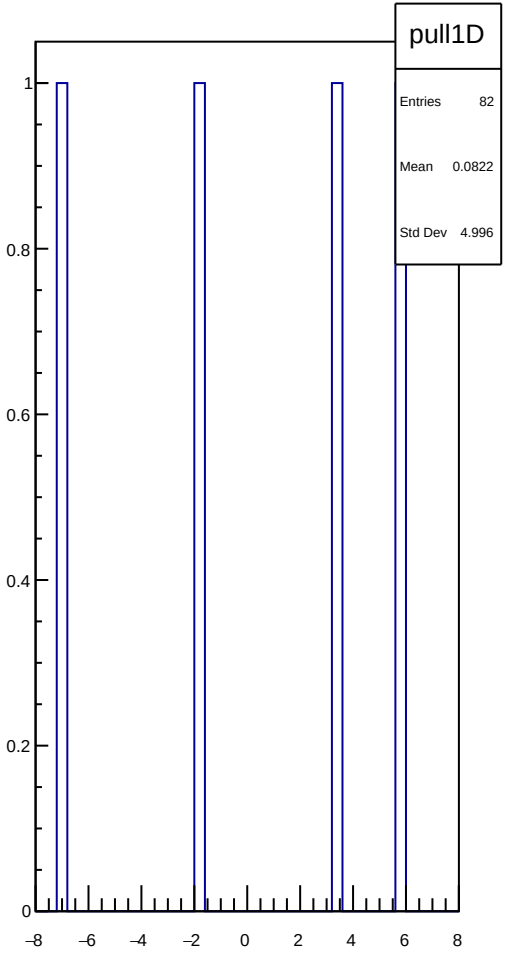

pull1D
Entries 82
Mean 0.5326
Std Dev 3.795
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

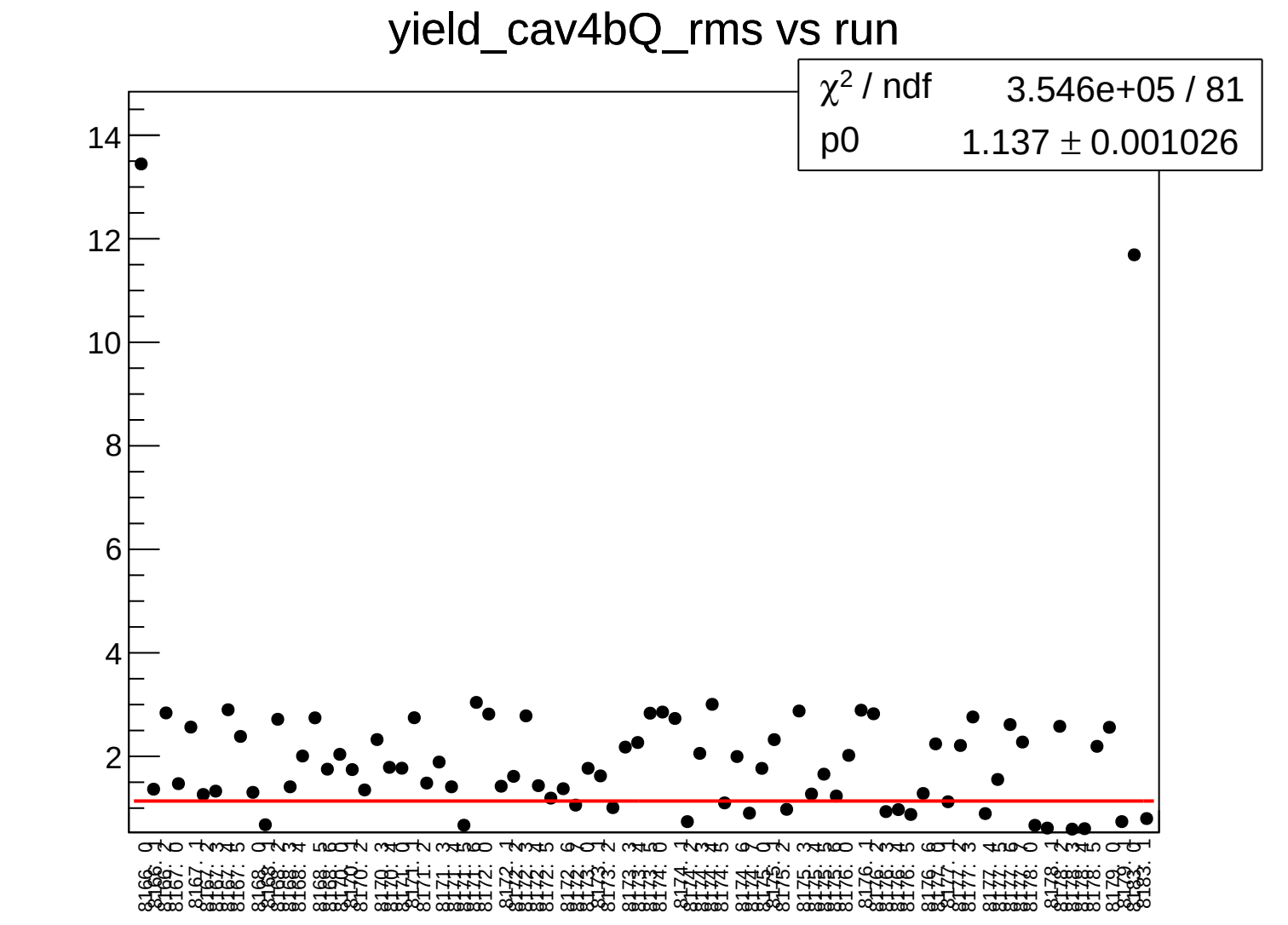

yield_bcm_dg_us_rms vs run
χ² / ndf 4.152e+04 / 81
p0 0.5973 ± 0.0004811
14
12
10
8
6
4
2

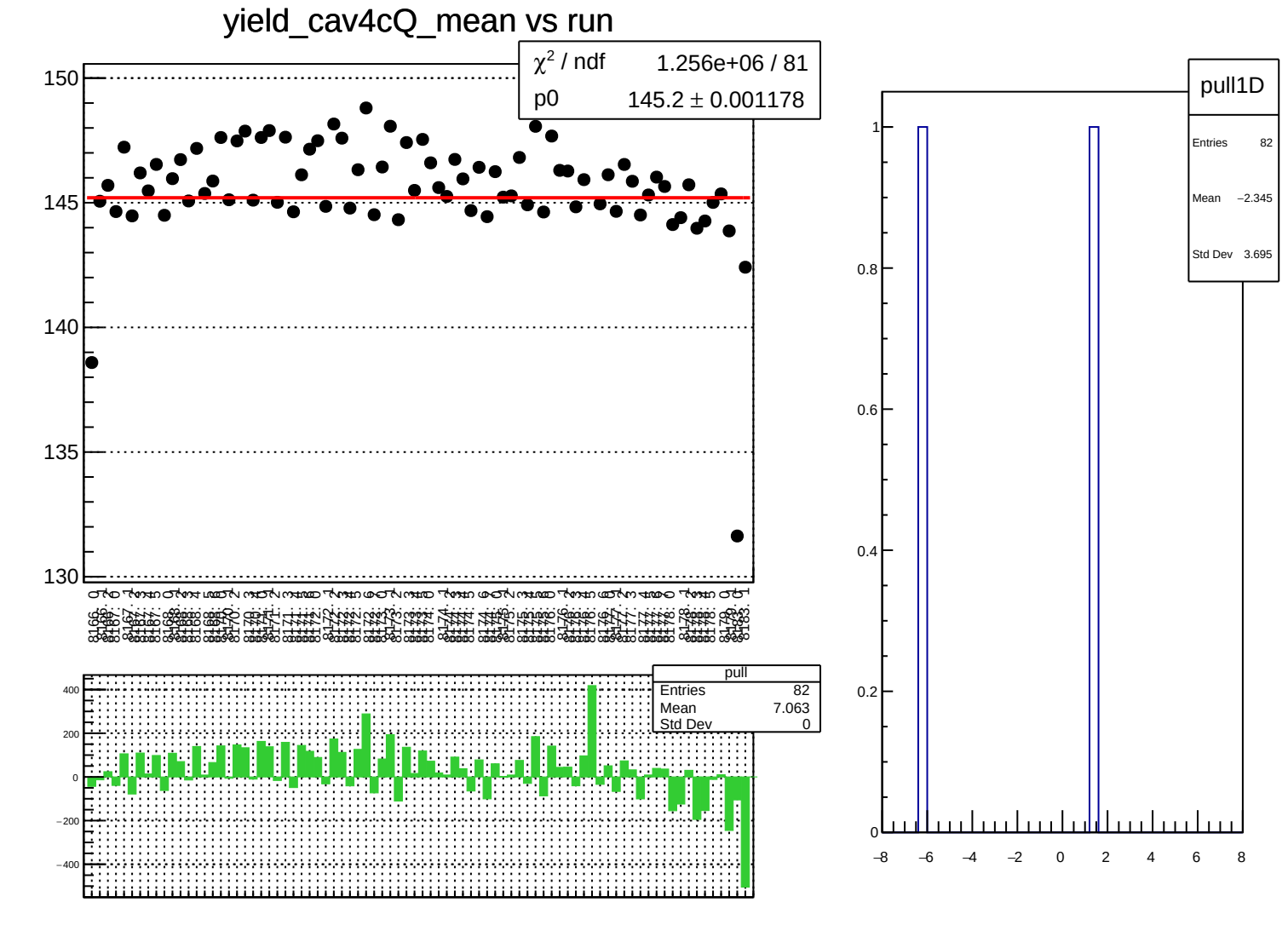

yield_bcm_dg_ds_mean vs run
χ² / ndf 8.261e+05 / 81
p0 146.1± 0.000687
148
146
144
142
140
138
136
134
pull
Entries 82
Mean 269.6
Std Dev 0
200
100
0
−100
−200
−300
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

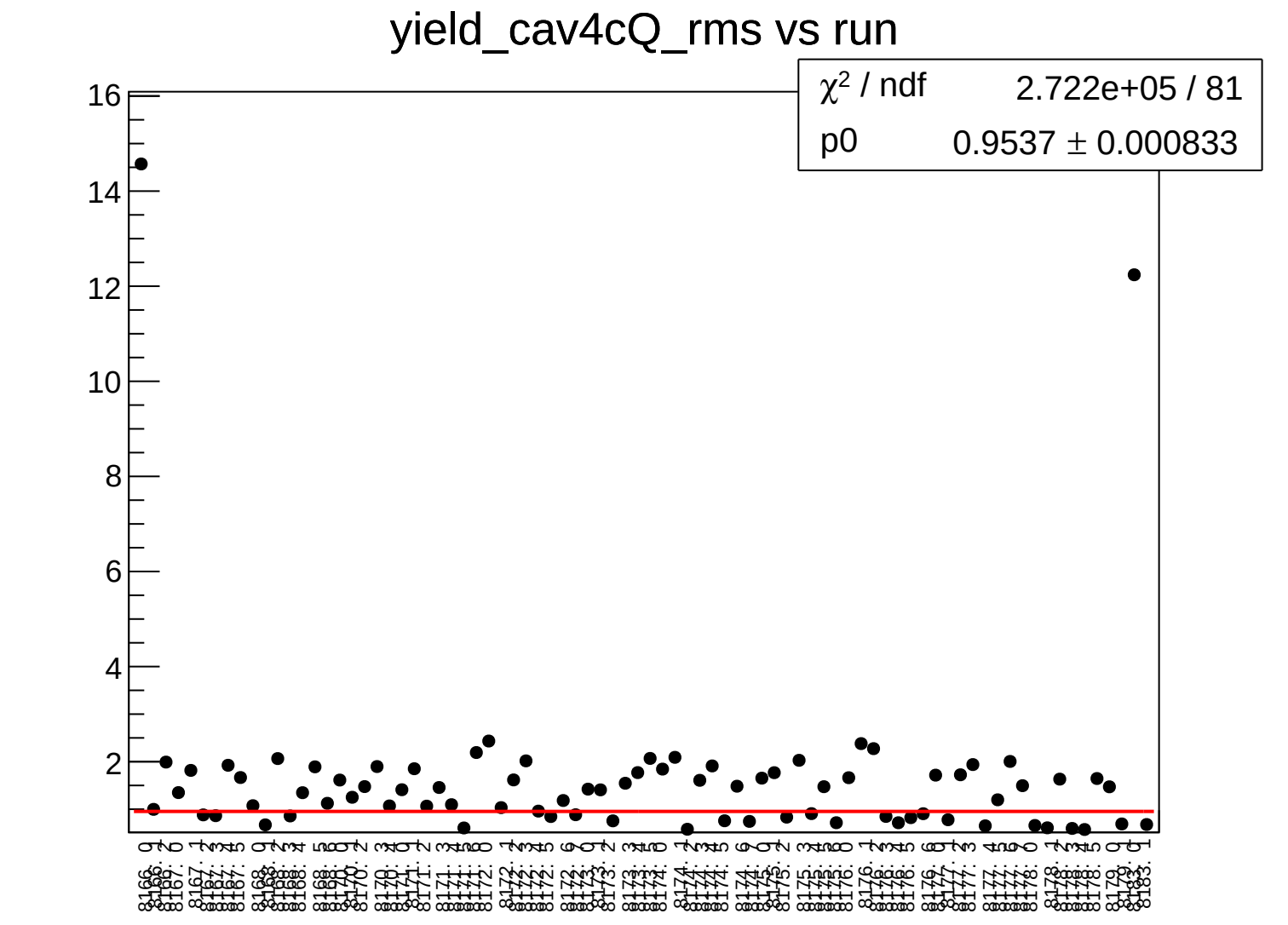

yield_bcm_dg_ds_rms vs run
χ² / ndf 4.215e+04 / 81
p0 0.603 ± 0.0004858
14
12
10
8
6
4
2

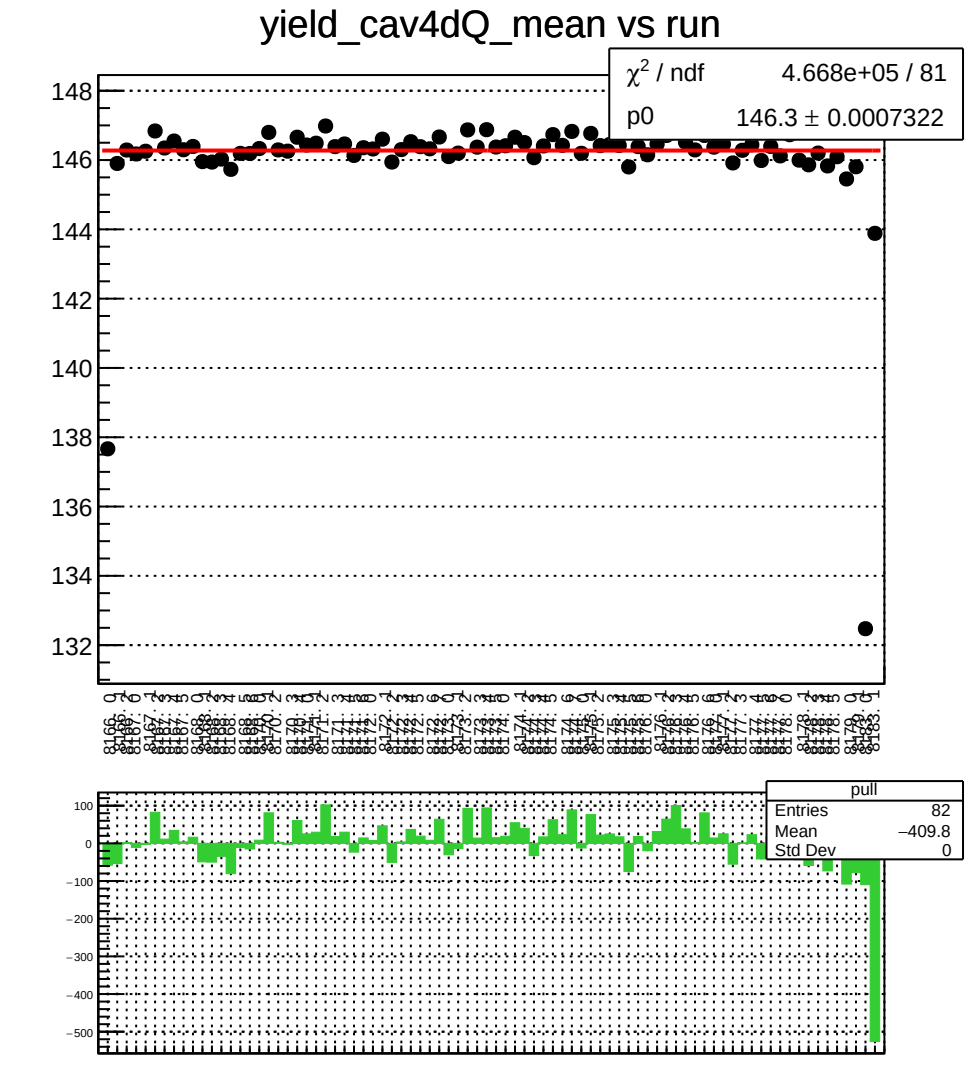

yield_cav4bQ_mean vs run
χ² / ndf 9.765e+05 / 81
p0 146.2 ± 0.001451
148
146
144
142
140
138
136
134
132
pull
Entries 82
Mean 28
Std Dev 15.84
200
100
0
−100
−200
−300
−400

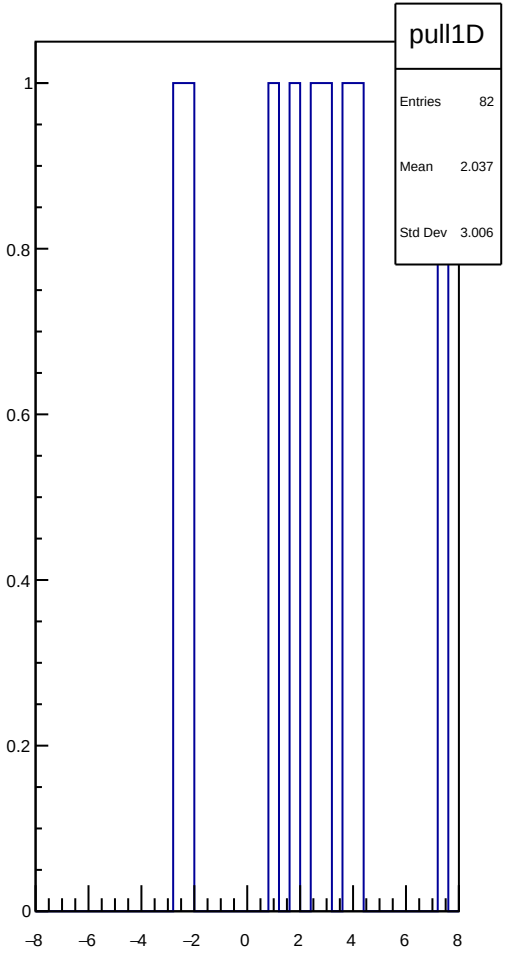

pull1D
Entries 82
Mean 0.0822
Std Dev 4.996
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

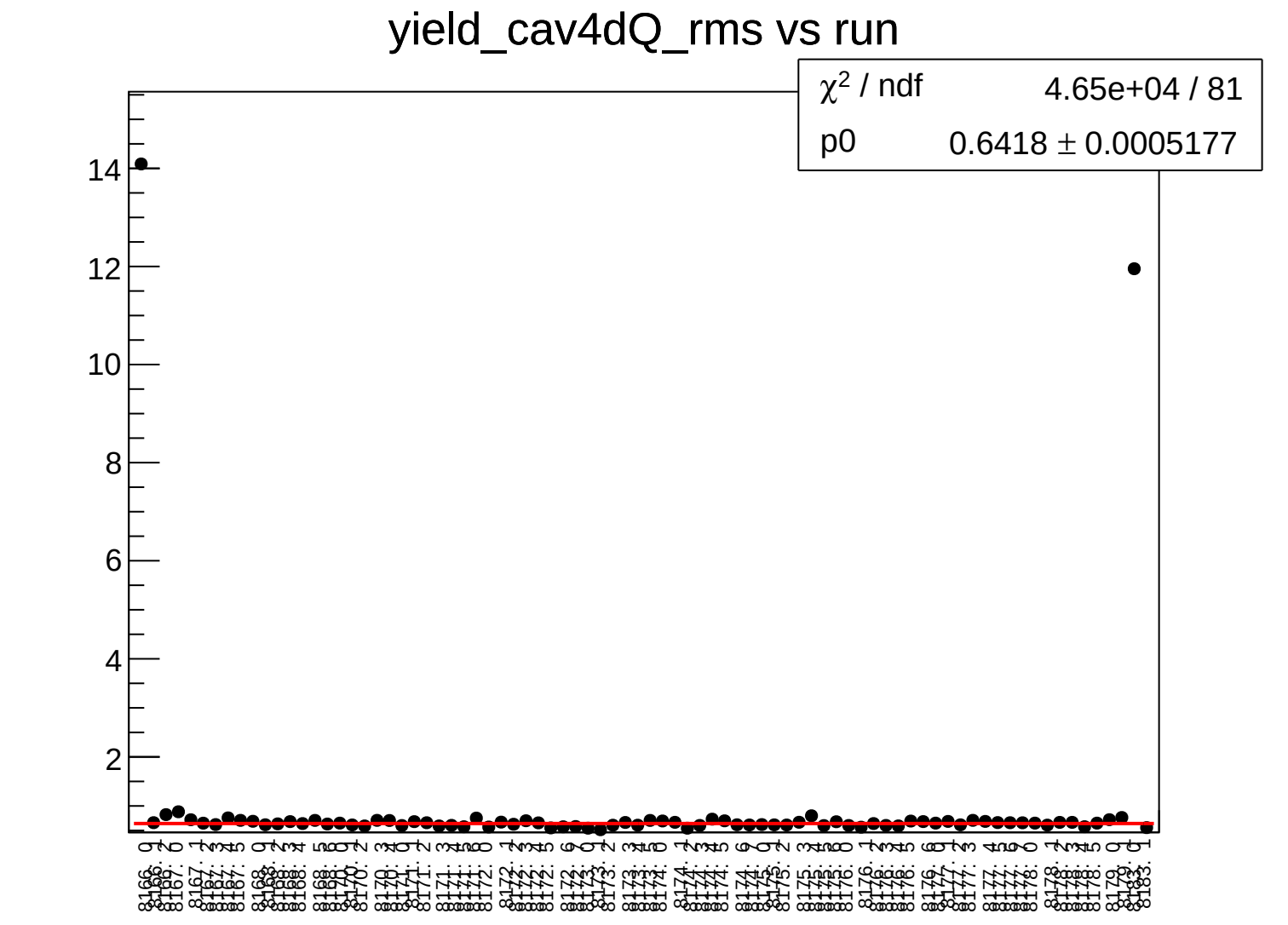

yield_cav4bQ_rms vs run
χ^2 / ndf 3.546e+05 / 81
p0 1.137 ± 0.001026
14
12
10
8
6
4
2

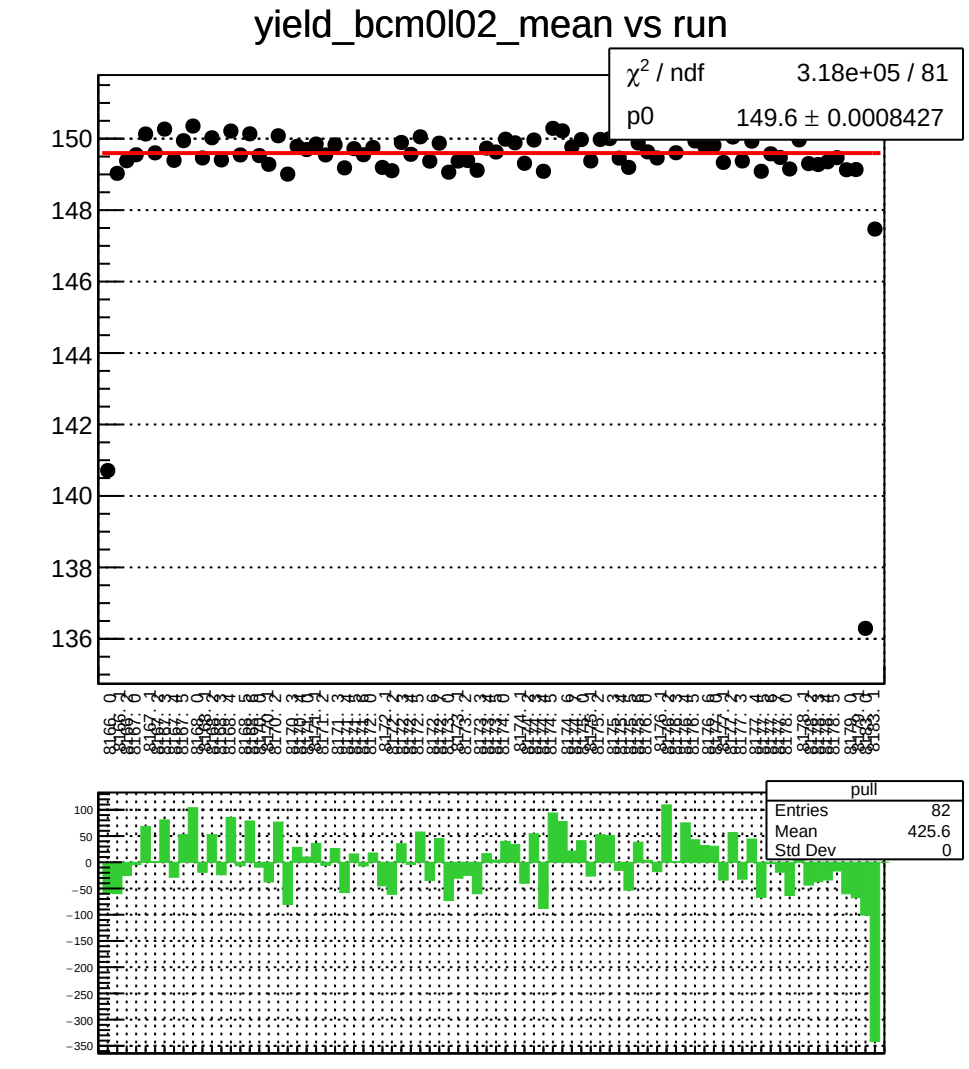

yield_cav4cQ_mean vs run
χ² / ndf 1.256e+06 / 81
p0 145.2 ± 0.001178
150
145
140
135
130
pull
Entries 82
Mean 7.063
Std Dev 0
400
200
0
−200
−400
pull1D
Entries 82
Mean −2.345
Std Dev 3.695
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

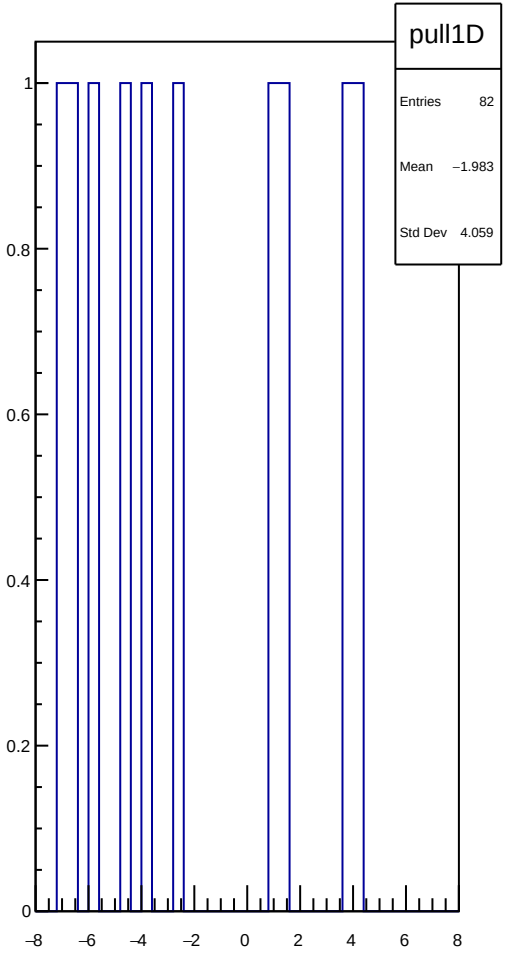

yield_cav4cQ_rms vs run
χ² / ndf 2.722e+05 / 81
p0 0.9537 ± 0.000833
16
14
12
10
8
6
4
2

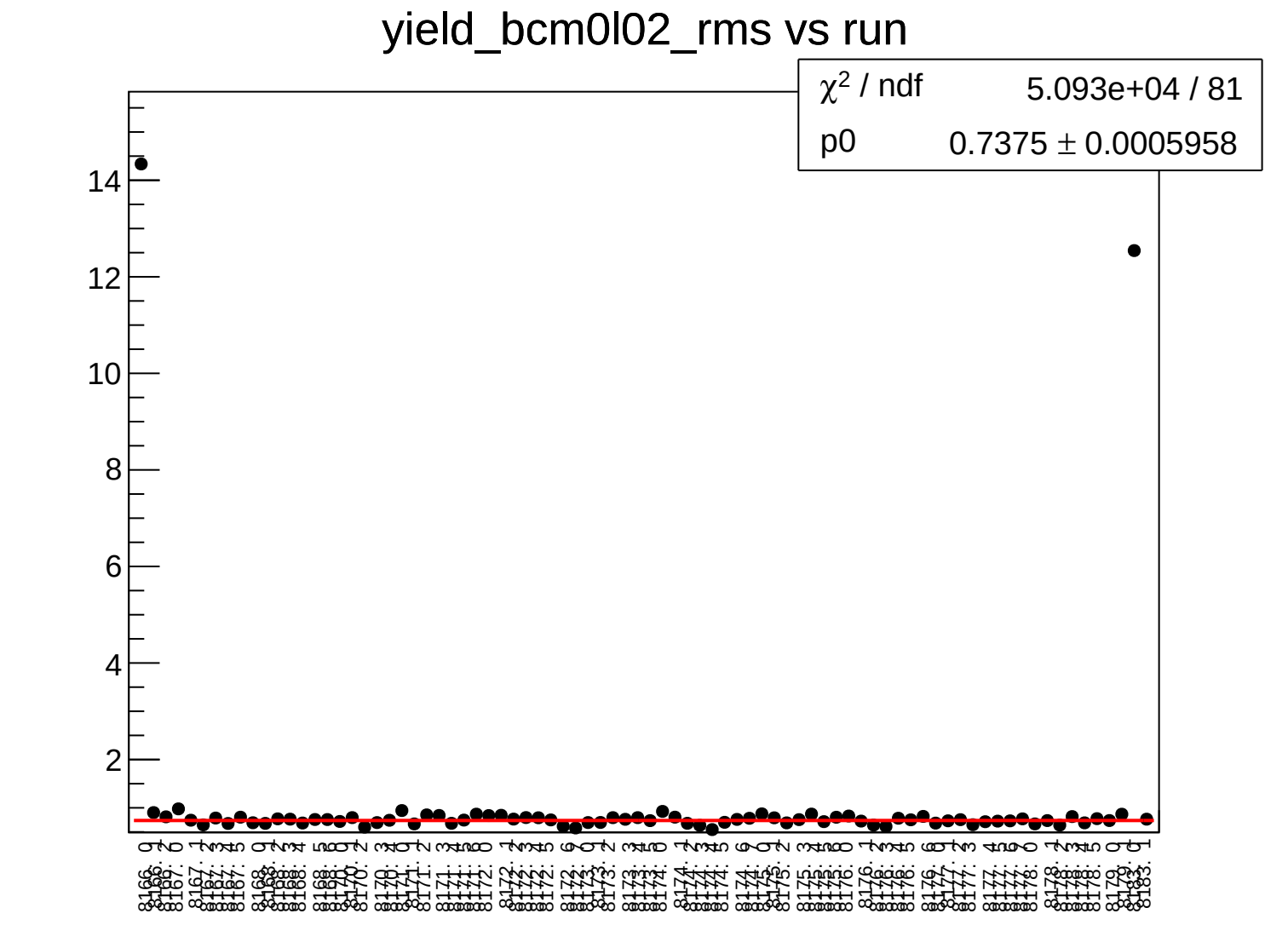

yield_cav4dQ_mean vs run
χ² / ndf 4.668e+05 / 81
p0 146.3 ± 0.0007322
148
146
144
142
140
138
136
134
132
pull
Entries 82
Mean −409.8
Std Dev 0
100
0
−100
−200
−300
−400
−500

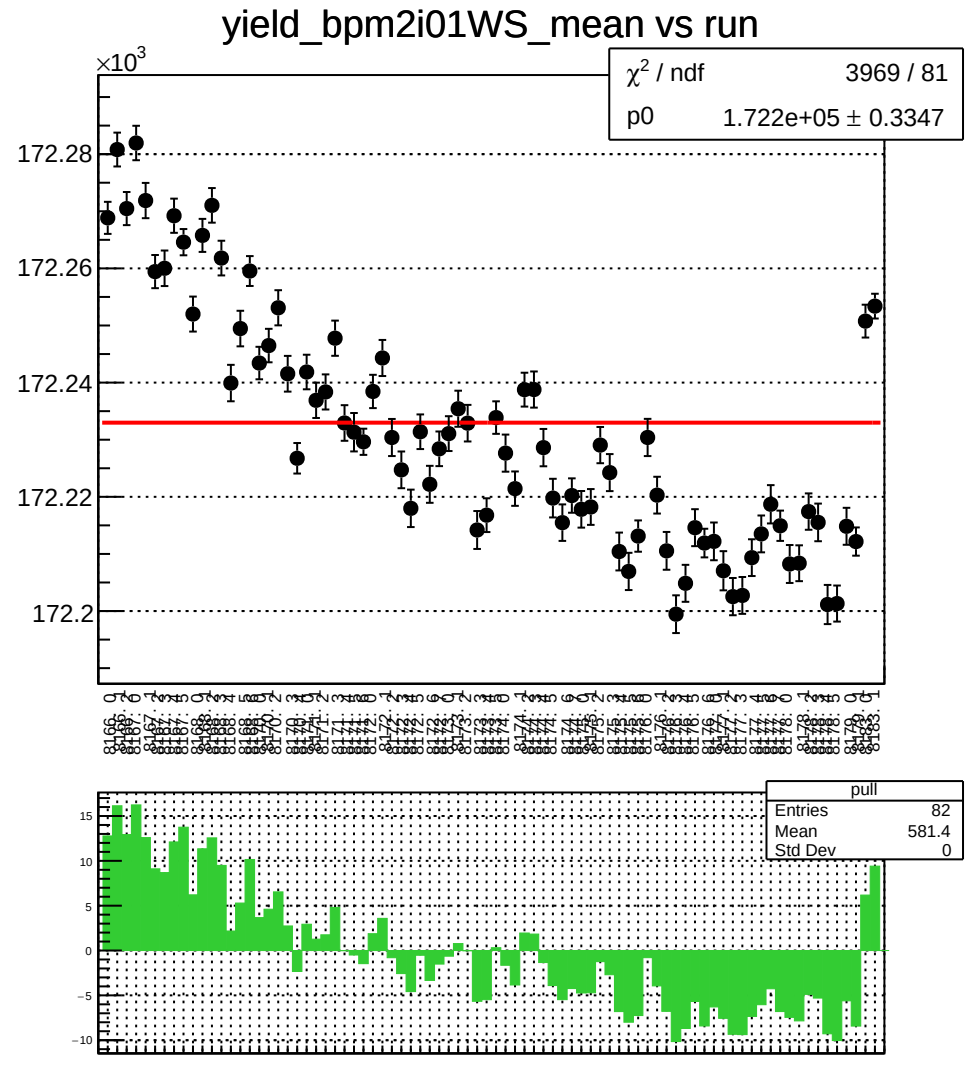

pull1D
Entries 82
Mean 2.037
Std Dev 3.006
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

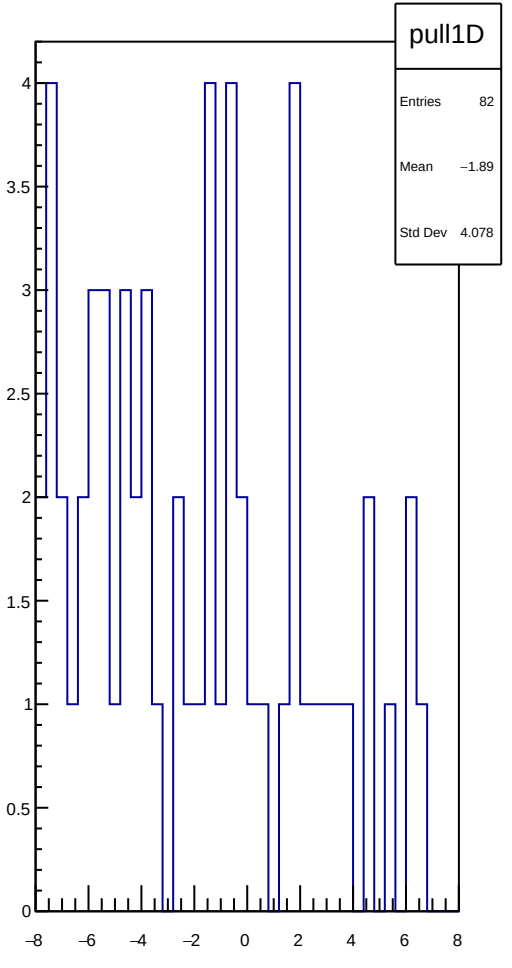

yield_cav4dQ_rms vs run
χ² / ndf 4.65e+04 / 81
p0 0.6418 ± 0.0005177
14
12
10
8
6
4
2

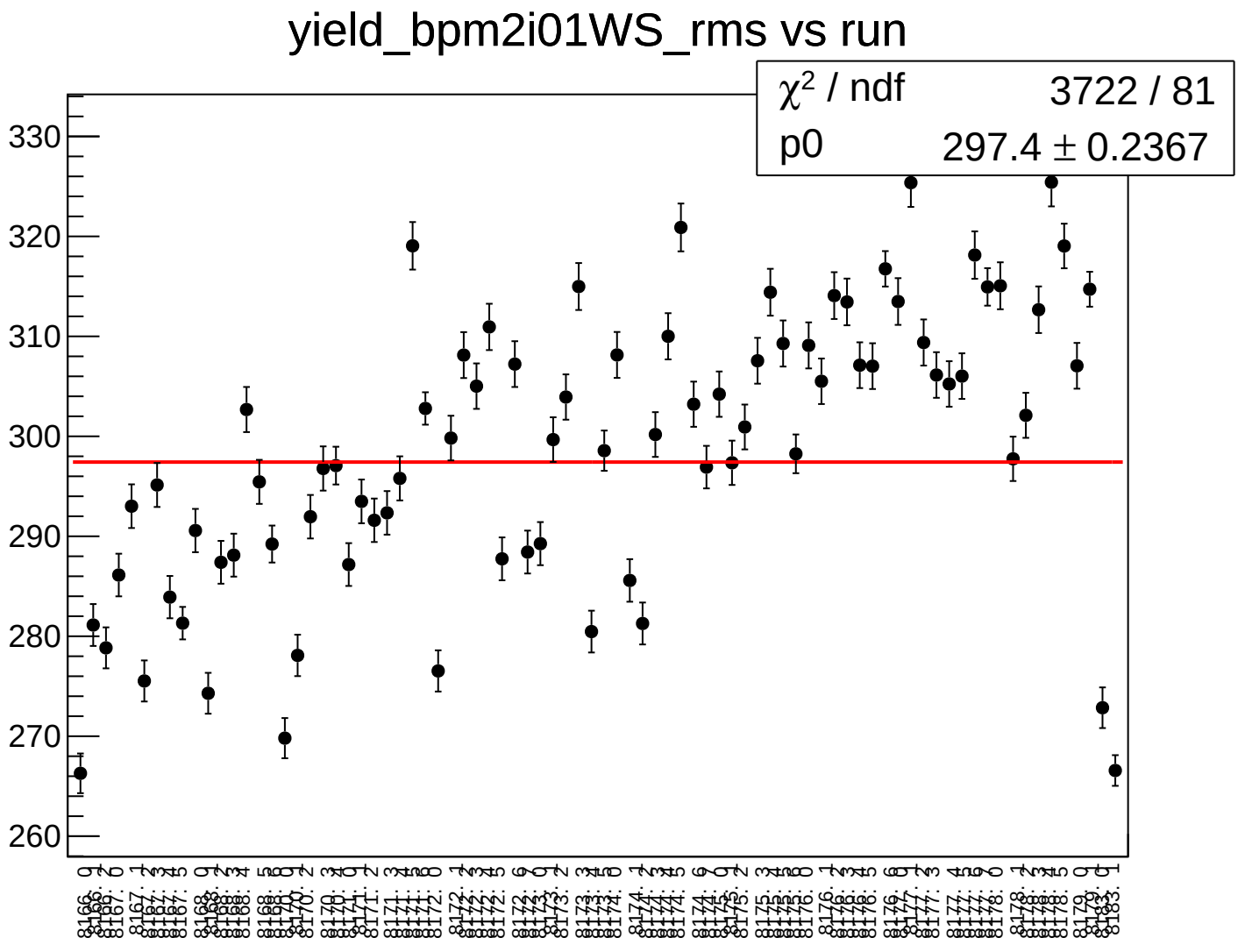

yield_bcm0l02_mean vs run
χ² / ndf 3.18e+05 / 81
p0 149.6 ± 0.0008427
150
148
146
144
142
140
138
136
pull
Entries 82
Mean 425.6
Std Dev 0
100
50
0
−50
−100
−150
−200
−250
−300
−350

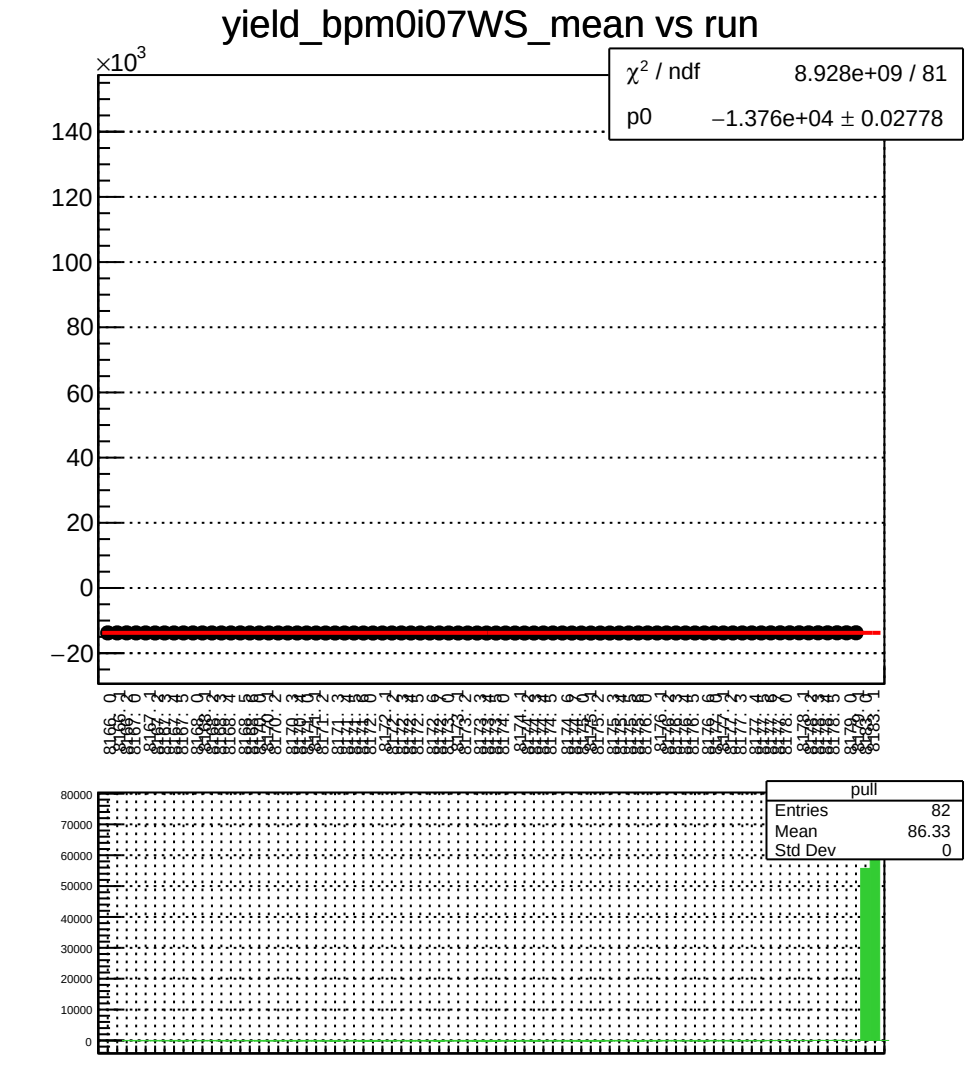

pull1D
Entries 82
Mean −1.983
Std Dev 4.059
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

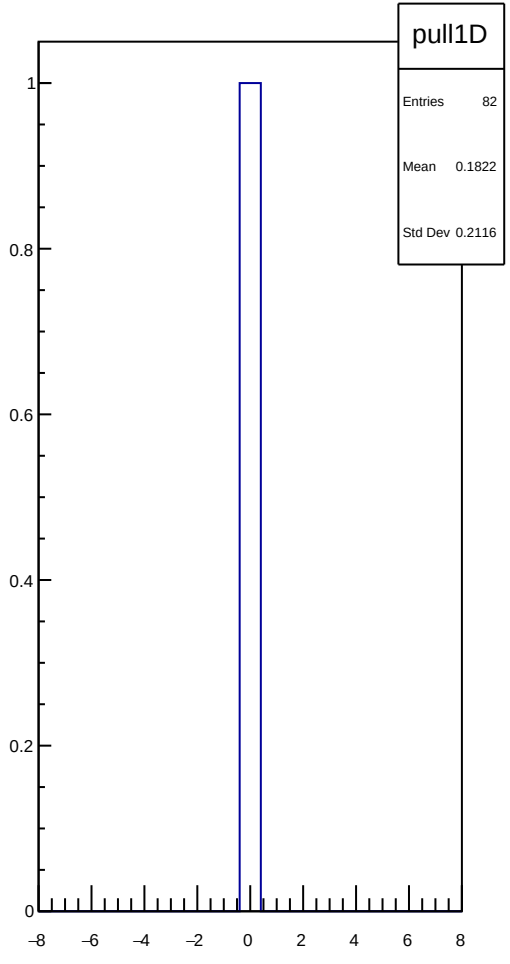

yield_bcm0l02_rms vs run
χ² / ndf 5.093e+04 / 81
p0 0.7375 ± 0.0005958
14
12
10
8
6
4
2

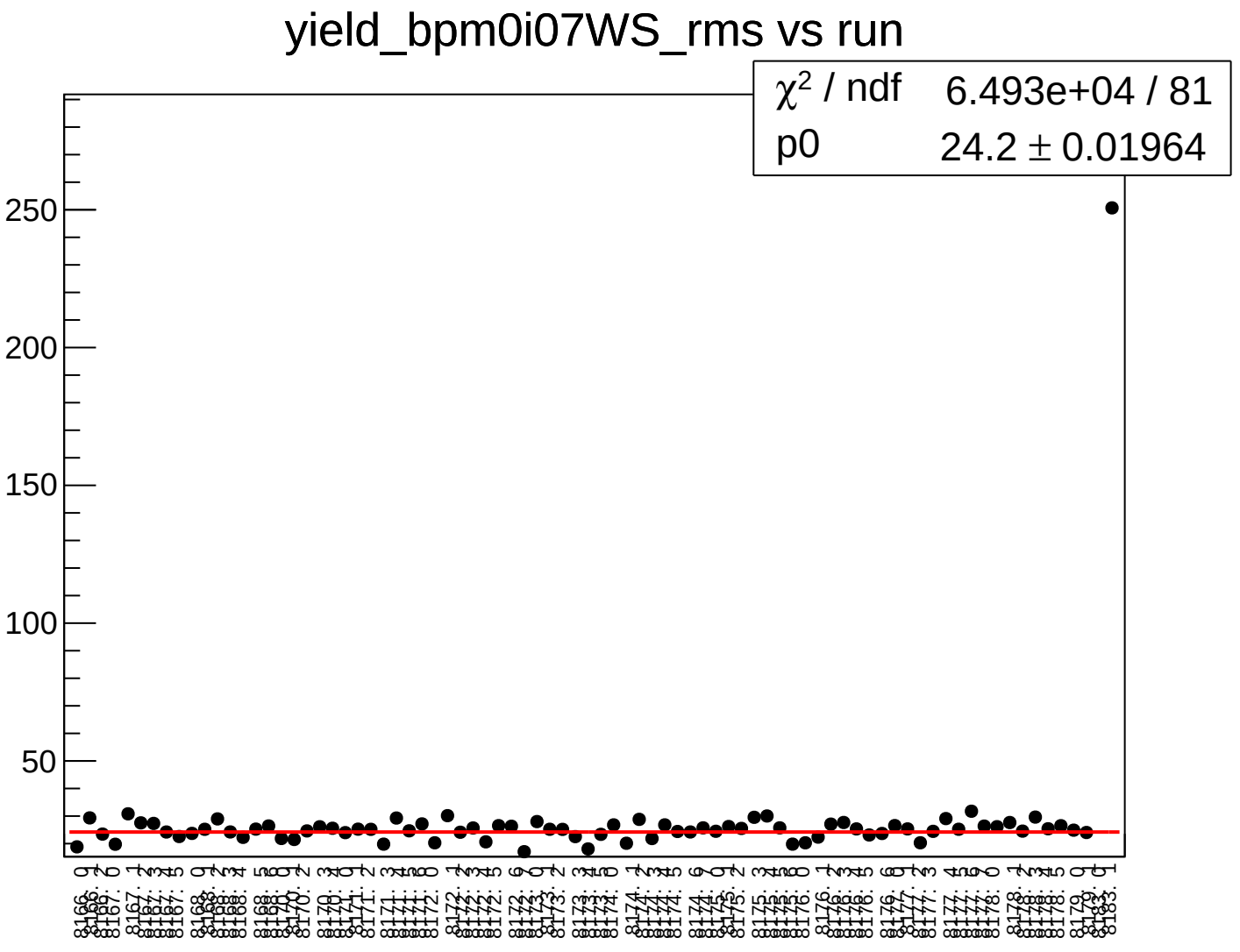

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 3969 / 81
p0 1.722e+05 ± 0.3347
172.28
172.26
172.24
172.22
172.2
pull
Entries 82
Mean 581.4
Std Dev 0
15
10
5
0
−5
−10

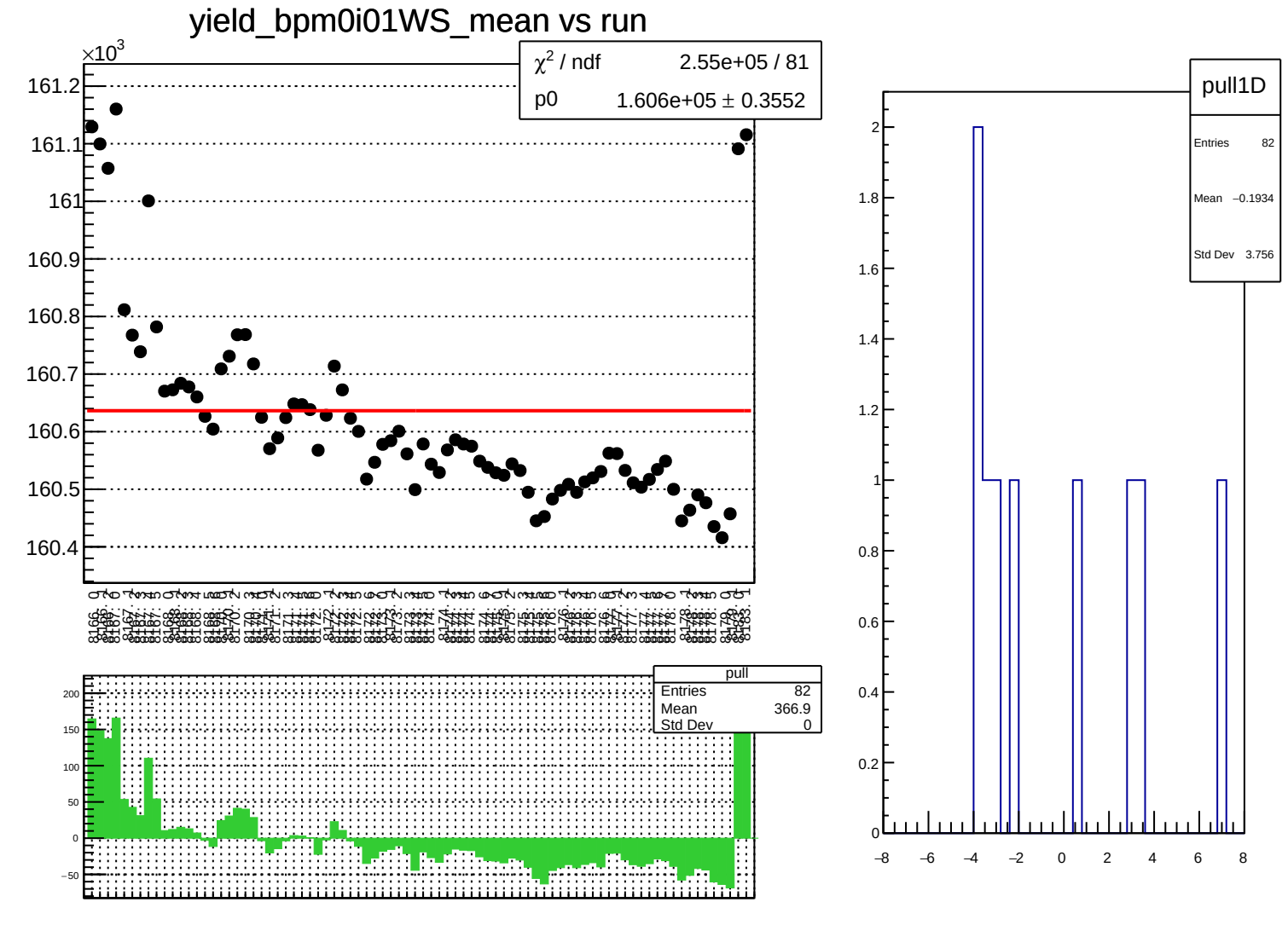

pull1D
Entries 82
Mean −1.89
Std Dev 4.078
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

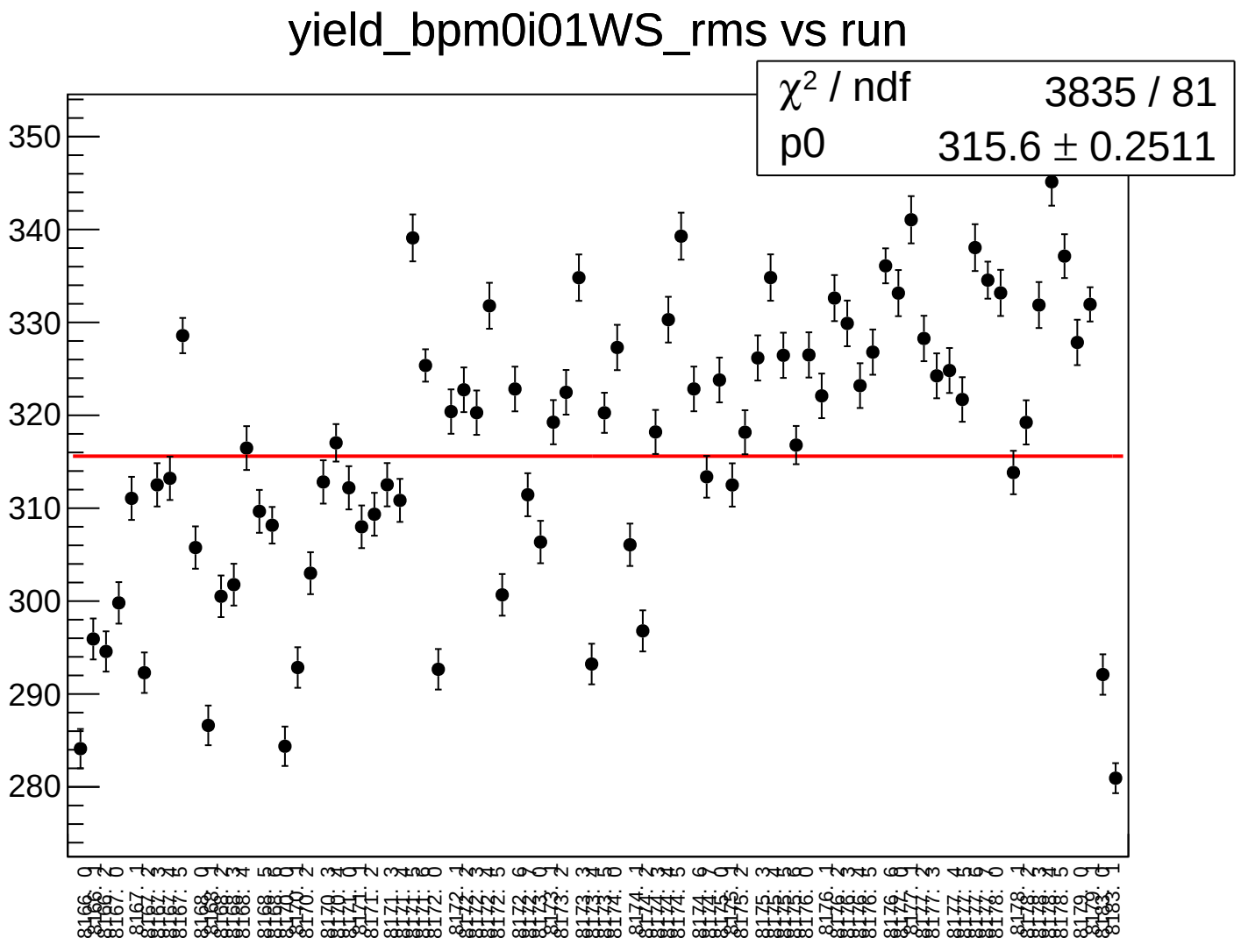

yield_bpm2i01WS_rms vs run
χ² / ndf 3722 / 81
p0 297.4 ± 0.2367
330
320
310
300
290
280
270
260

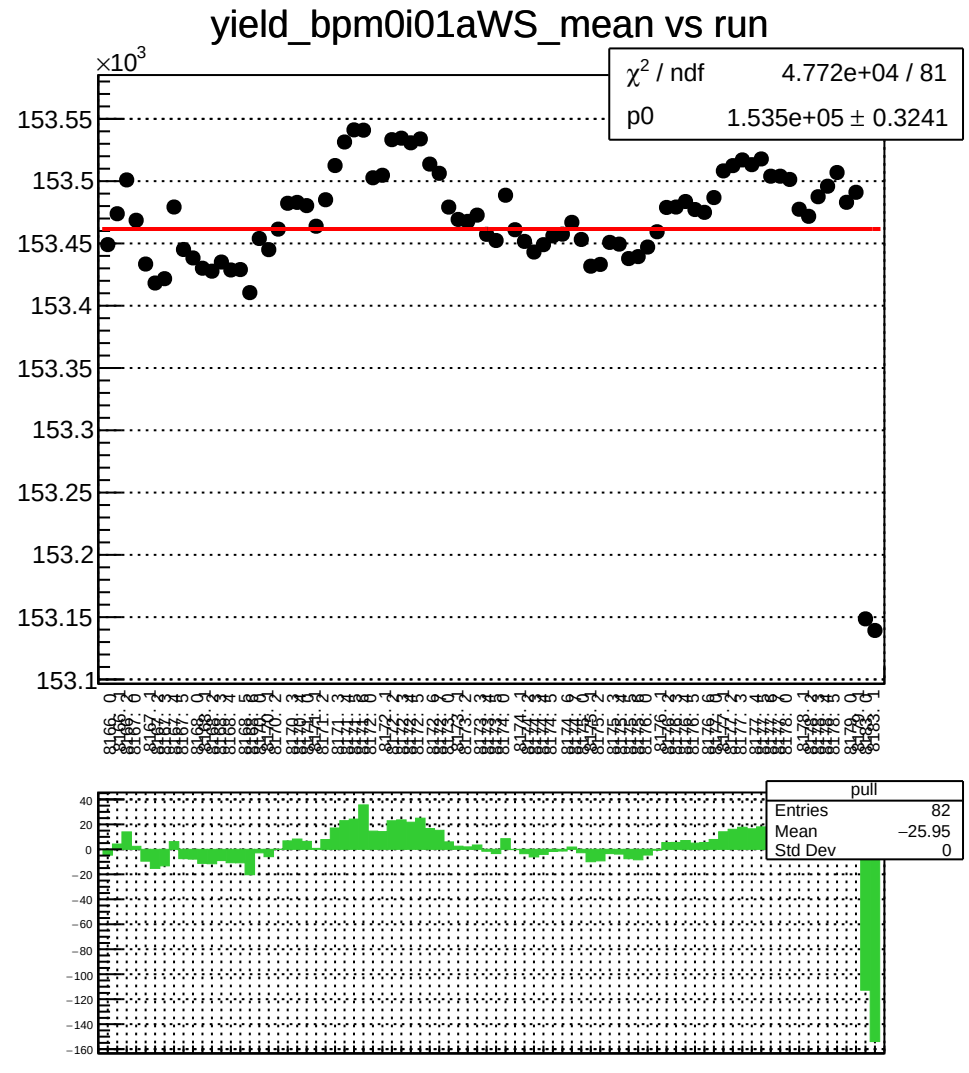

yield_bpm0i07WS_mean vs run
χ² / ndf 8.928e+09 / 81
p0 −1.376e+04 ± 0.02778
pull
Entries 82
Mean 86.33
Std Dev 0

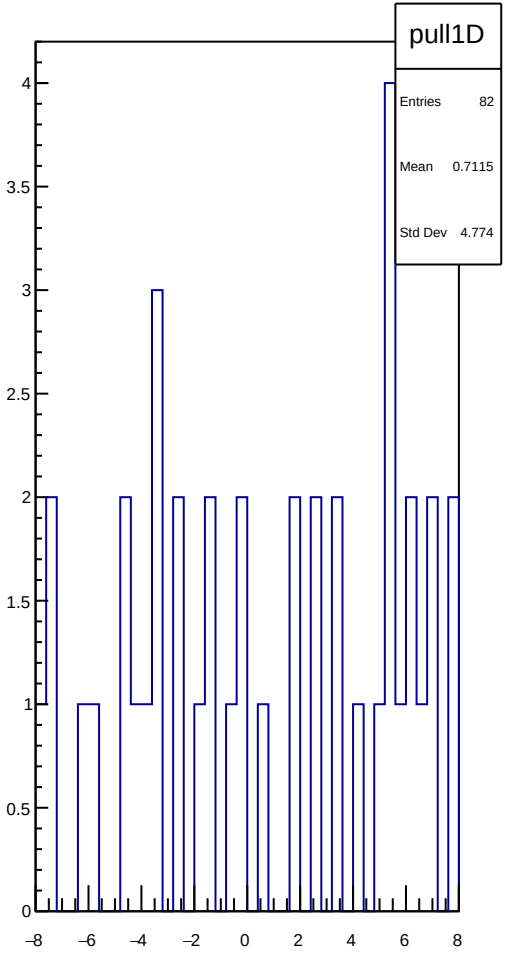

pull1D
Entries 82
Mean 0.1822
Std Dev 0.2116

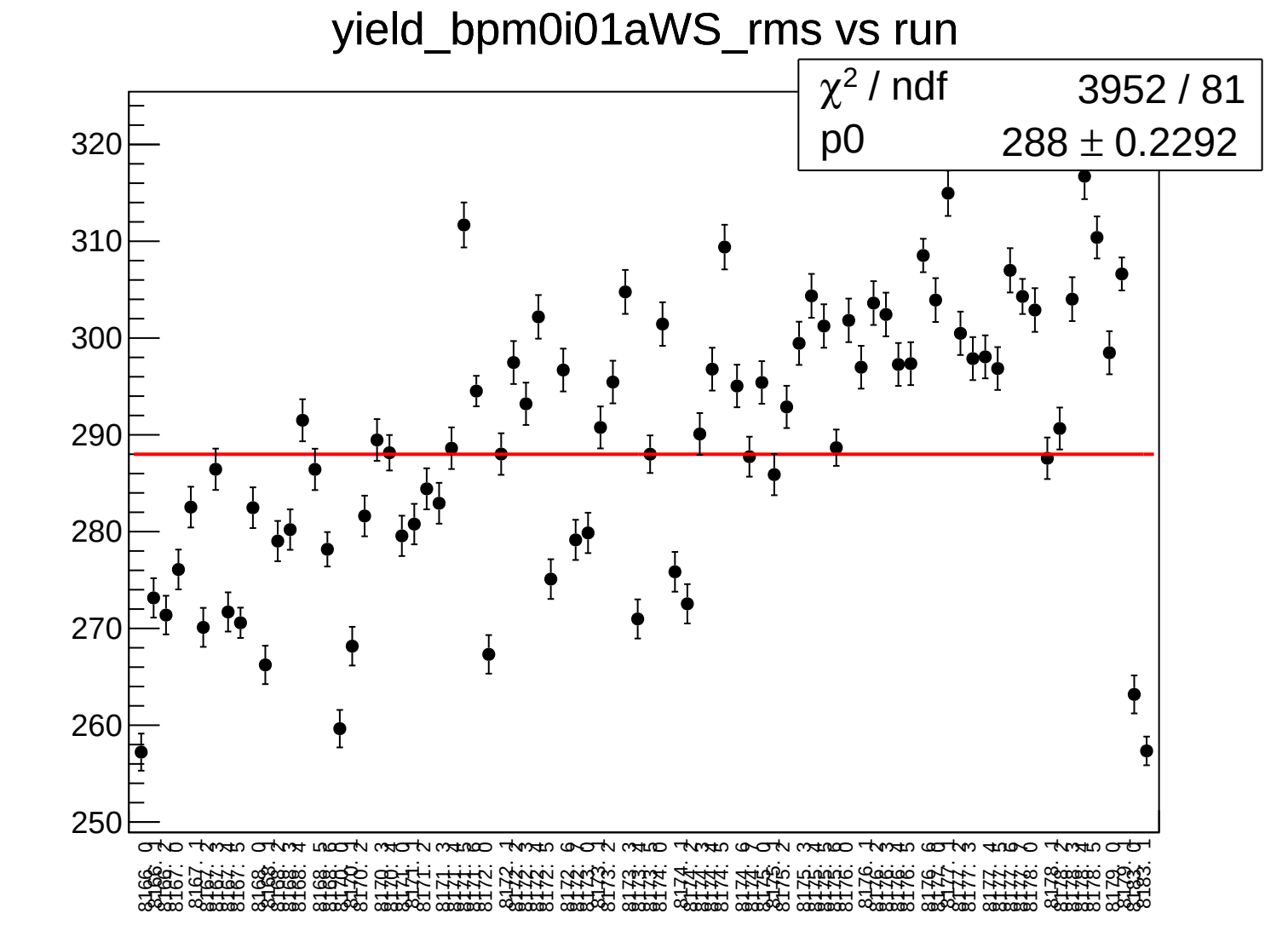

yield_bpm0i07WS_rms vs run
χ² / ndf 6.493e+04 / 81
p0 24.2 ± 0.01964
250
200
150
100
50

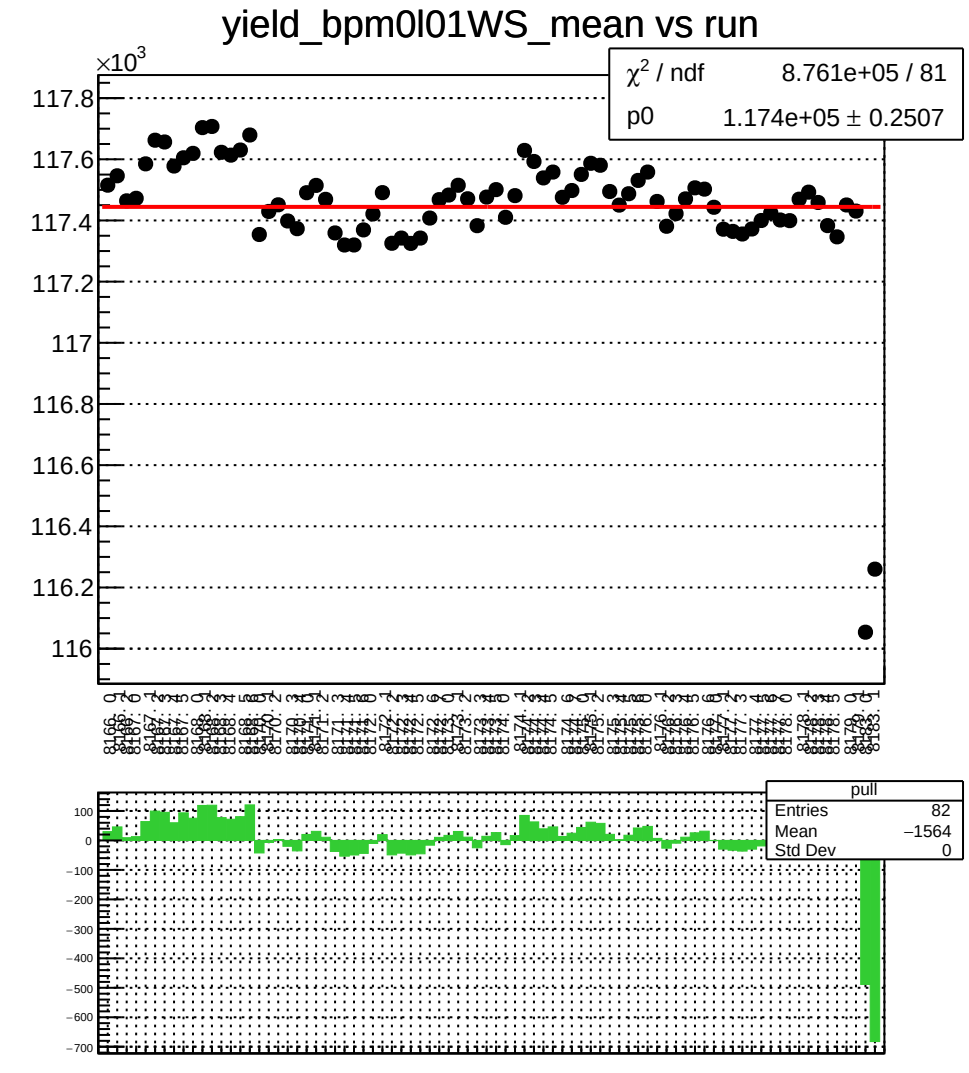

yield_bpm0i01WS_mean vs run
χ² / ndf 2.55e+05 / 81
p0 1.606e+05 ± 0.3552
×10³
161.2
161.1
161
160.9
160.8
160.7
160.6
160.5
160.4
pull
Entries 82
Mean 366.9
Std Dev 0
200
150
100
50
0
−50
pull1D
Entries 82
Mean −0.1934
Std Dev 3.756
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

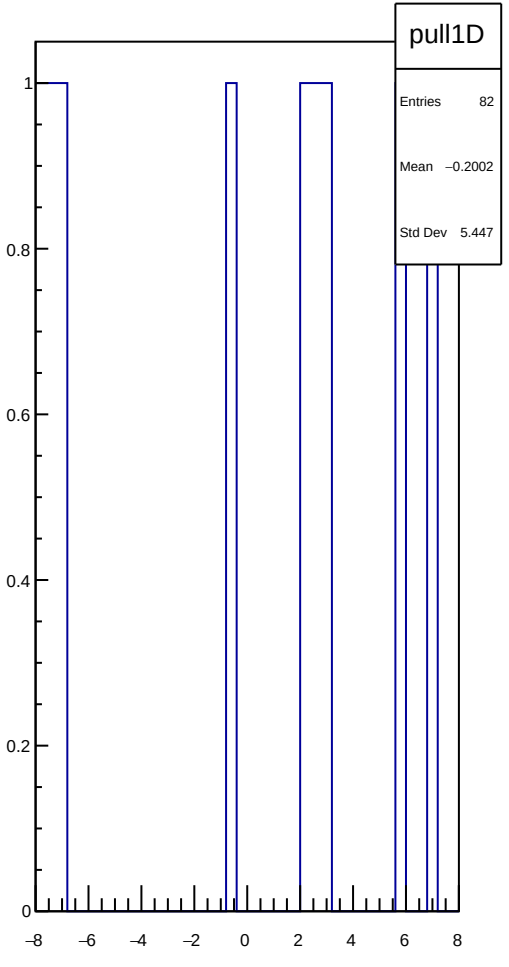

yield_bpm0i01WS_rms vs run
χ² / ndf 3835 / 81
p0 315.6 ± 0.2511
350
340
330
320
310
300
290
280

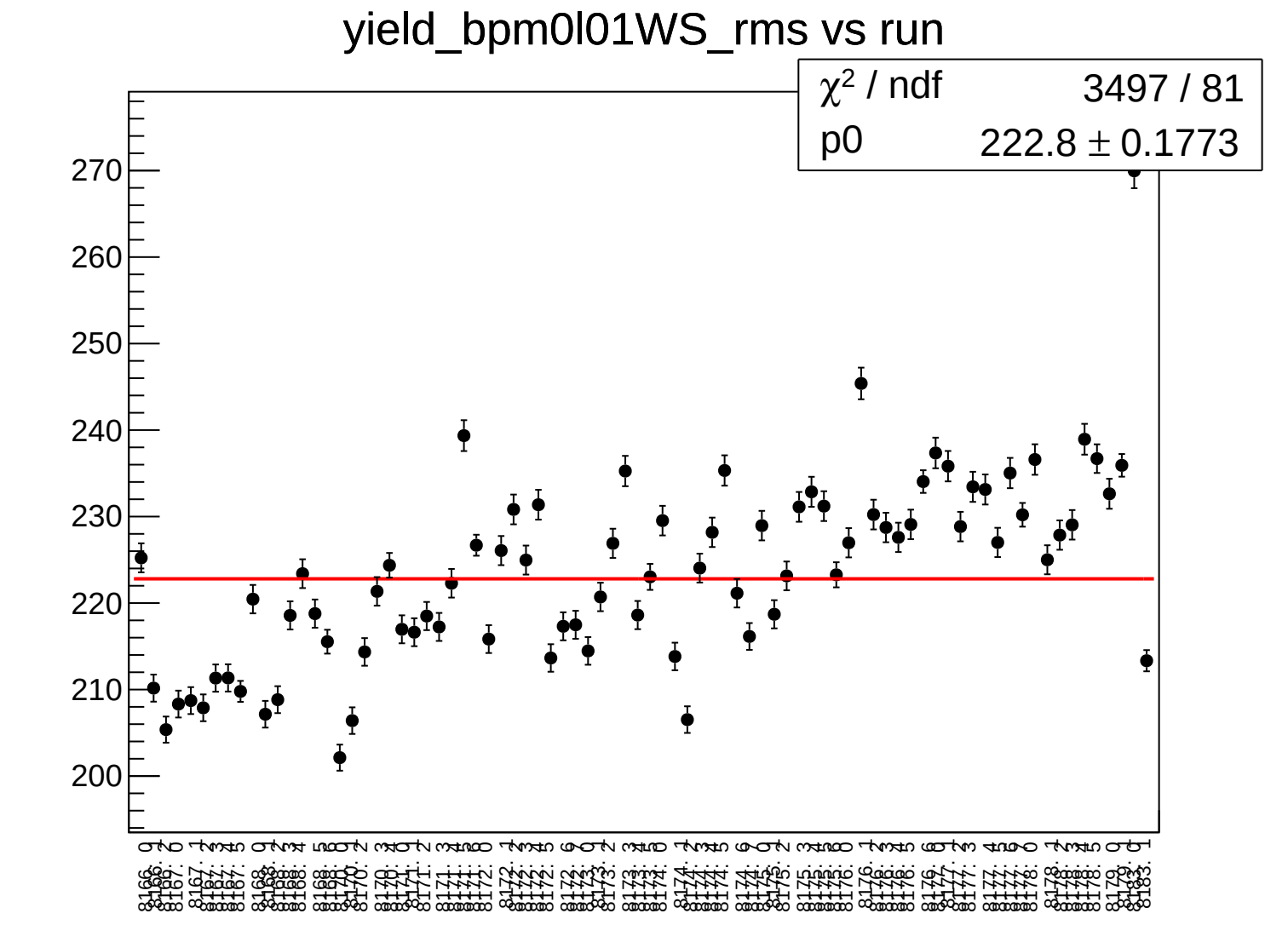

yield_bpm0i01aWS_mean vs run
×10^3
χ^2 / ndf 4.772e+04 / 81
p0 1.535e+05 ± 0.3241
153.55
153.5
153.45
153.4
153.35
153.3
153.25
153.2
153.15
153.1
pull
Entries 82
Mean −25.95
Std Dev 0
40
20
0
−20
−40
−60
−80
−100
−120
−140
−160

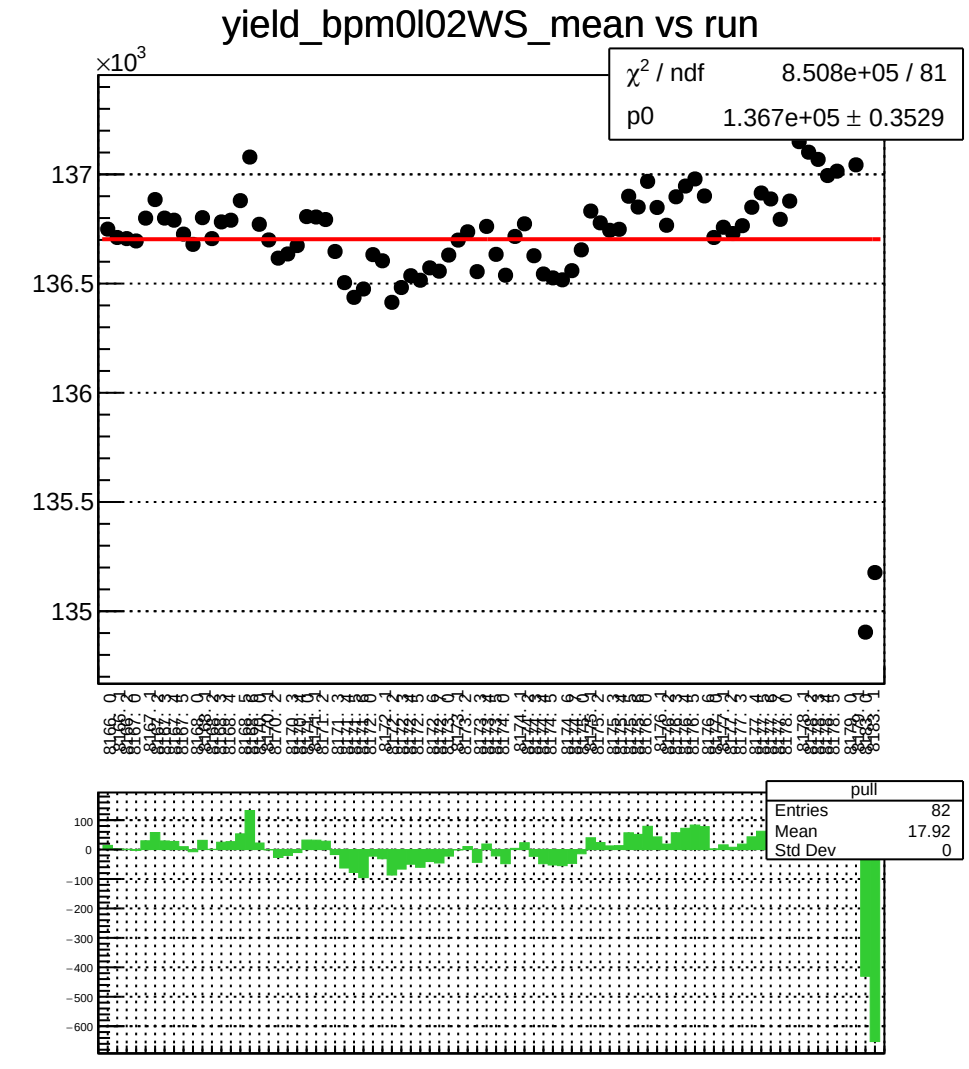

pull1D
Entries 82
Mean 0.7115
Std Dev 4.774
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

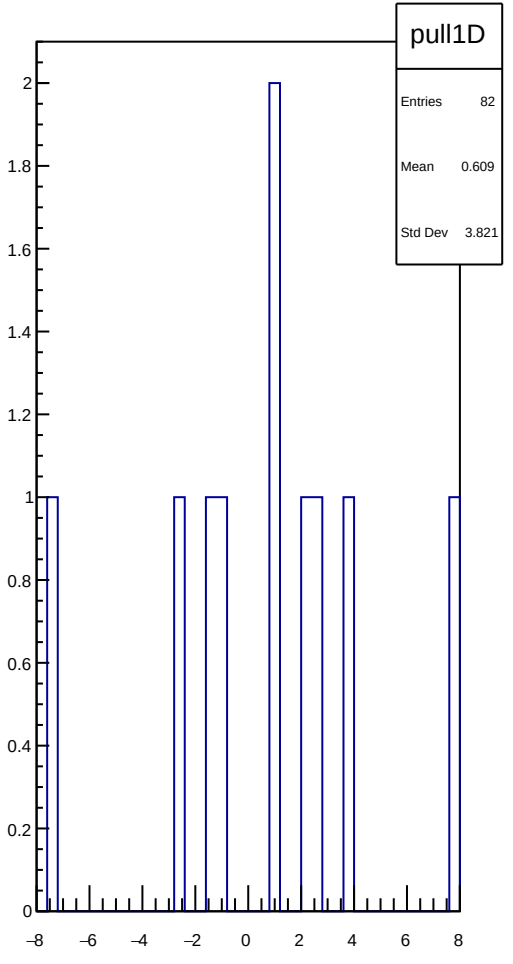

yield_bpm0i01aWS_rms vs run
χ² / ndf 3952 / 81
p0 288 ± 0.2292
320
310
300
290
280
270
260
250

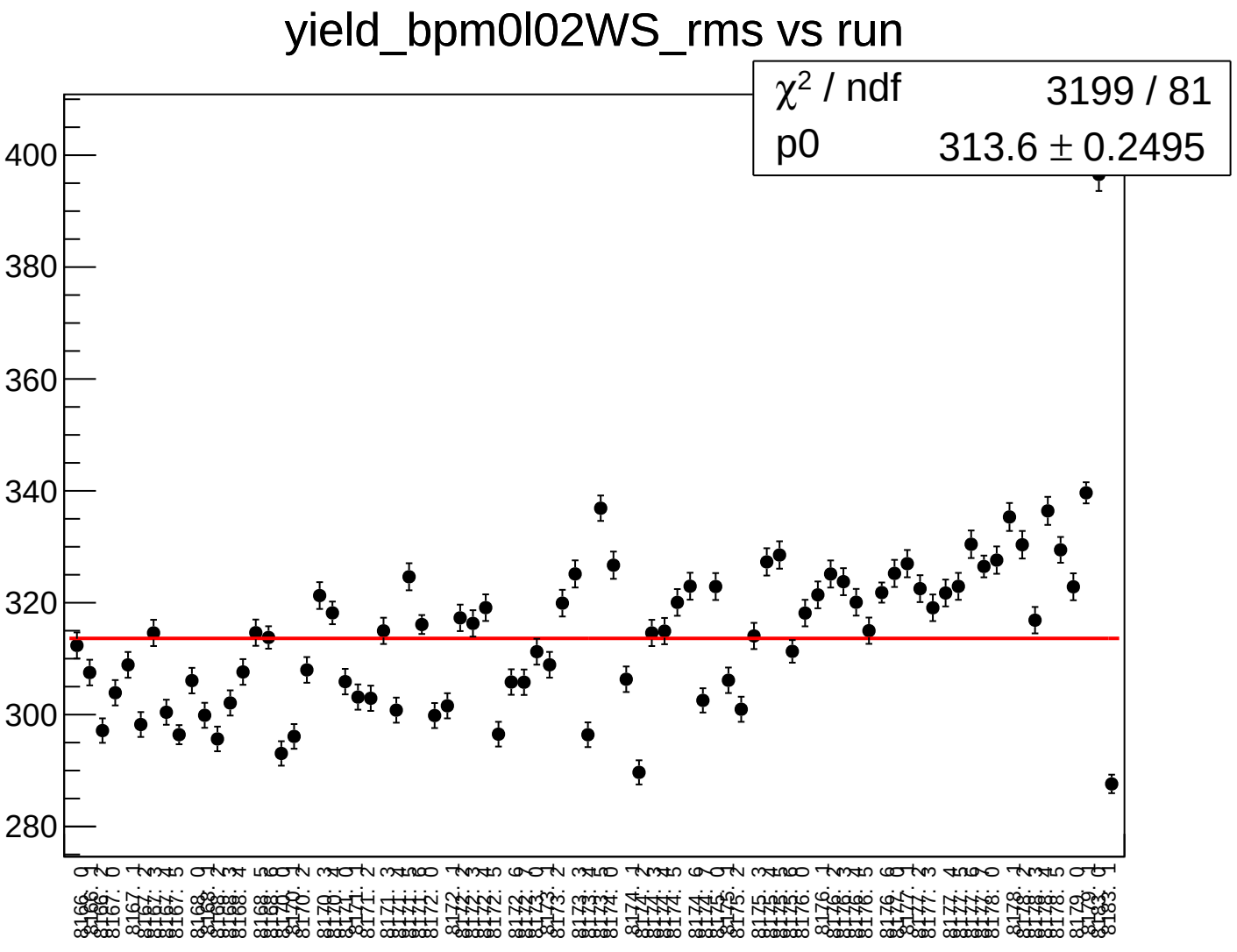

yield_bpm0l01WS_mean vs run
×10^3
χ^2 / ndf 8.761e+05 / 81
p0 1.174e+05 ± 0.2507
117.8
117.6
117.4
117.2
117
116.8
116.6
116.4
116.2
116
pull
Entries 82
Mean −1564
Std Dev 0
100
0
−100
−200
−300
−400
−500
−600
−700

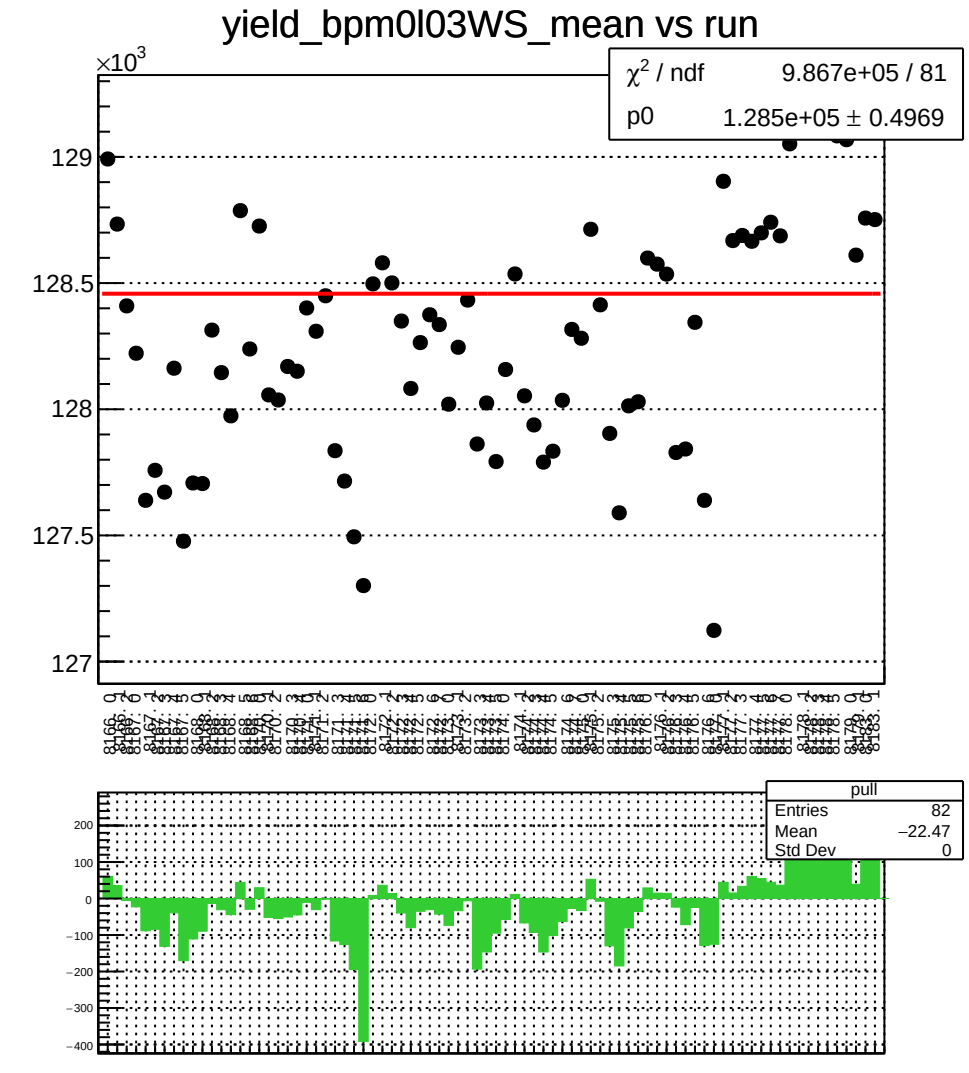

pull1D
Entries 82
Mean −0.2002
Std Dev 5.447
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

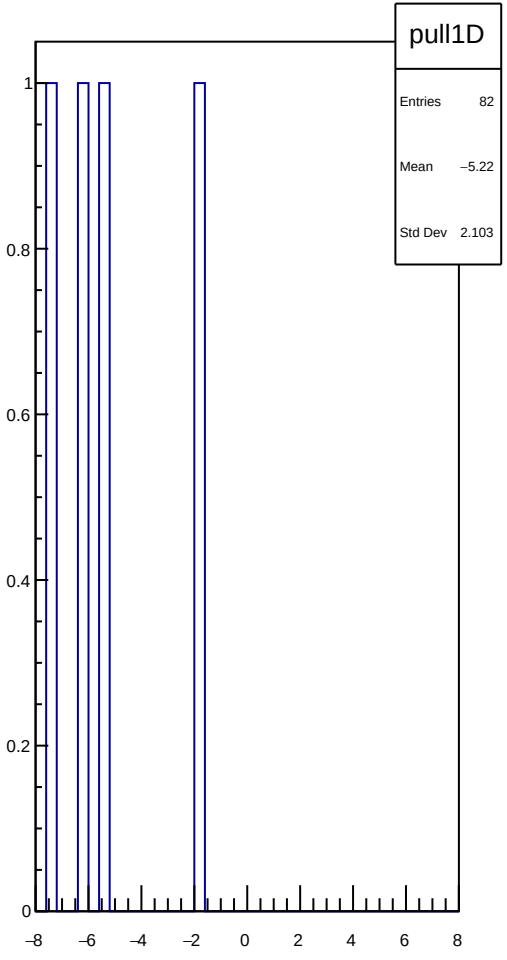

yield_bpm0l01WS_rms vs run
χ² / ndf 3497 / 81
p0 222.8 ± 0.1773
270
260
250
240
230
220
210
200

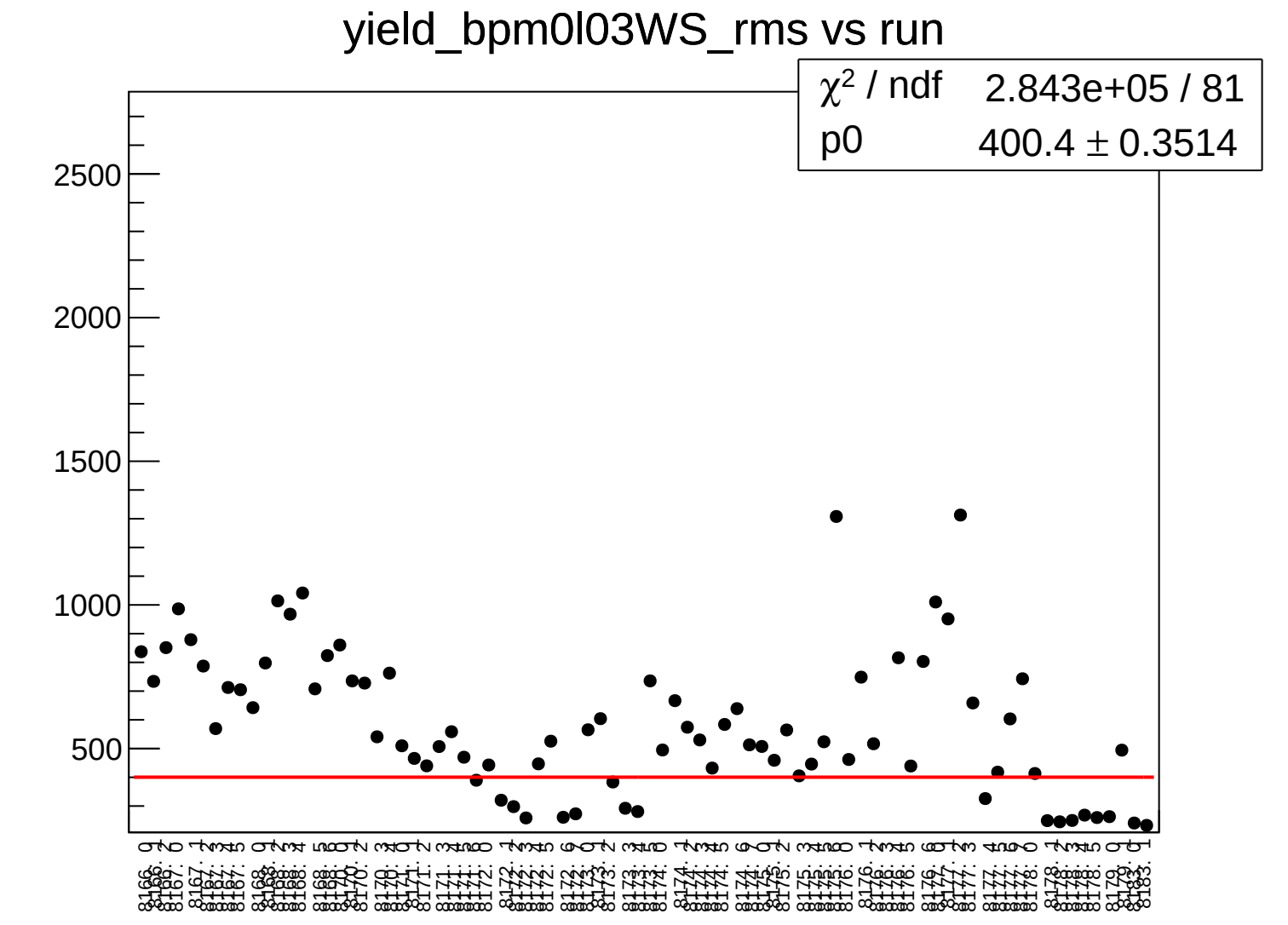

yield_bpm0l02WS_mean vs run
×10^3
χ^2 / ndf 8.508e+05 / 81
p0 1.367e+05 ± 0.3529
137
136.5
136
135.5
135
pull
Entries 82
Mean 17.92
Std Dev 0
100
0
−100
−200
−300
−400
−500
−600

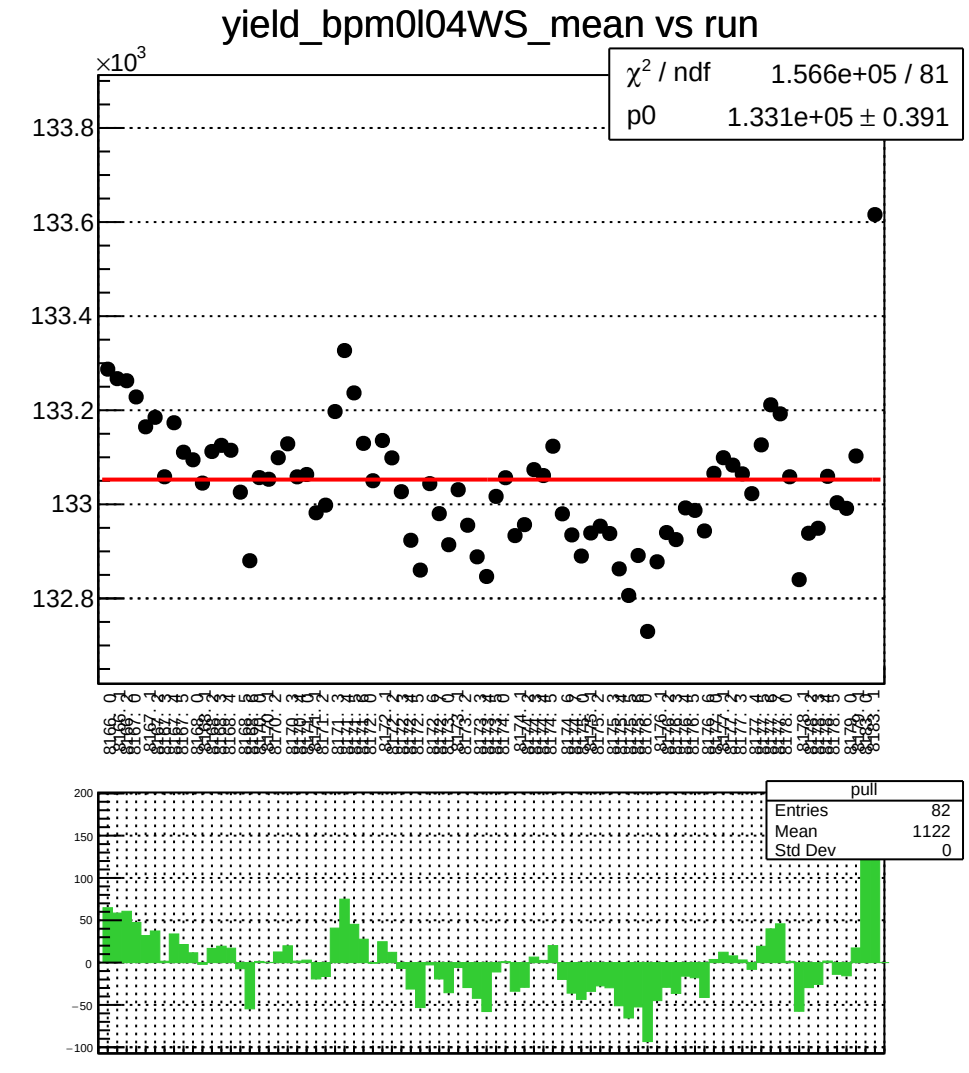

pull1D
Entries 82
Mean 0.609
Std Dev 3.821
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

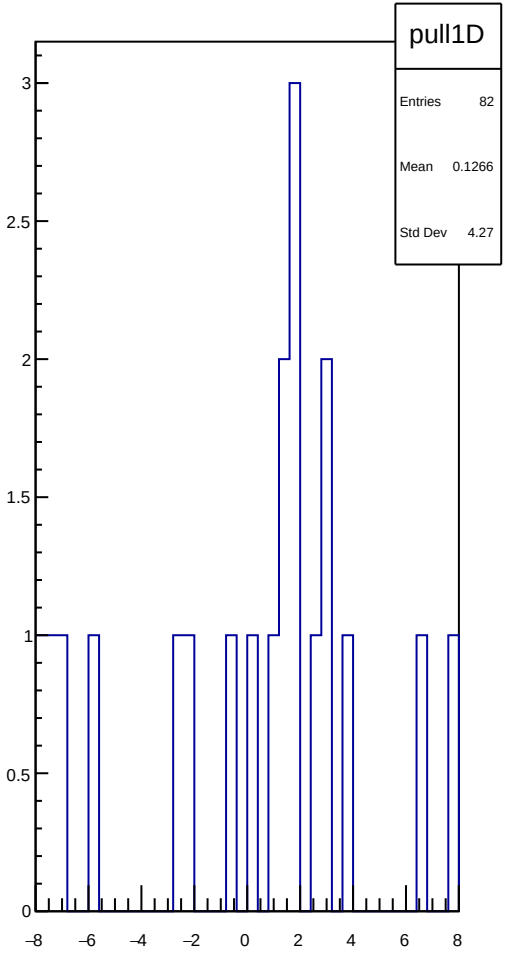

yield_bpm0l02WS_rms vs run
χ² / ndf 3199 / 81
p0 313.6 ± 0.2495
400
380
360
340
320
300
280

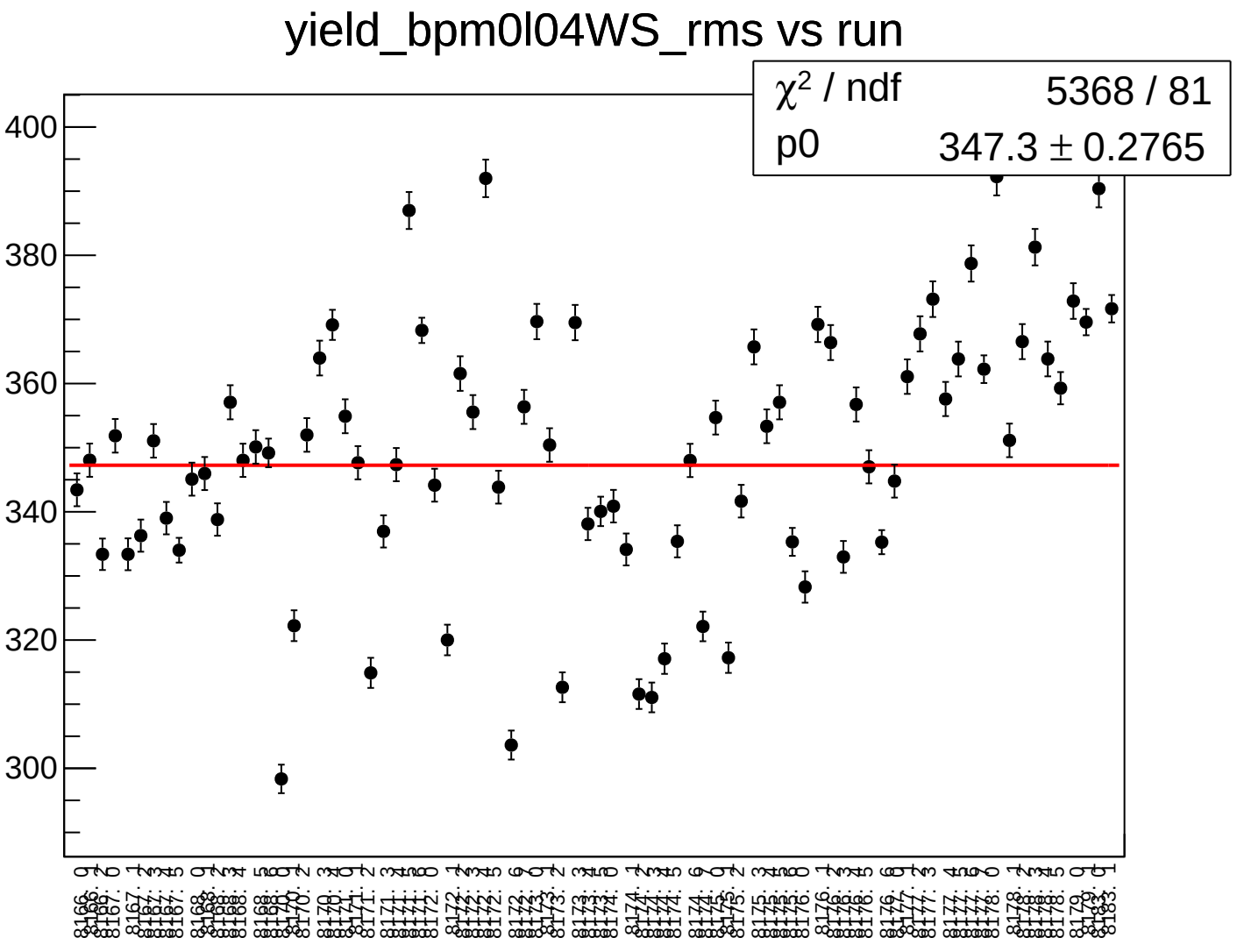

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 9.867e+05 / 81
p0 1.285e+05 ± 0.4969
129
128.5
128
127.5
127
pull
Entries 82
Mean −22.47
Std Dev 0
200
100
0
−100
−200
−300
−400

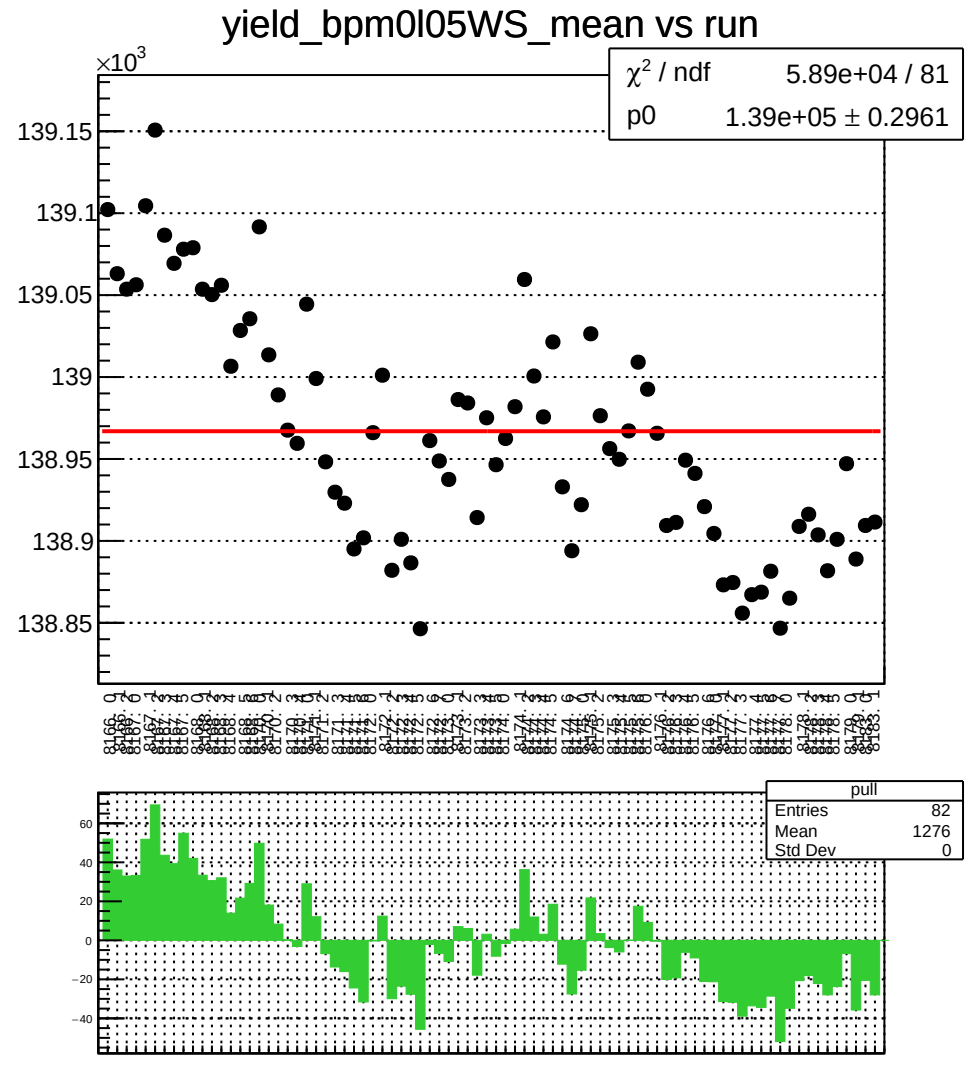

pull1D
Entries 82
Mean −5.22
Std Dev 2.103
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

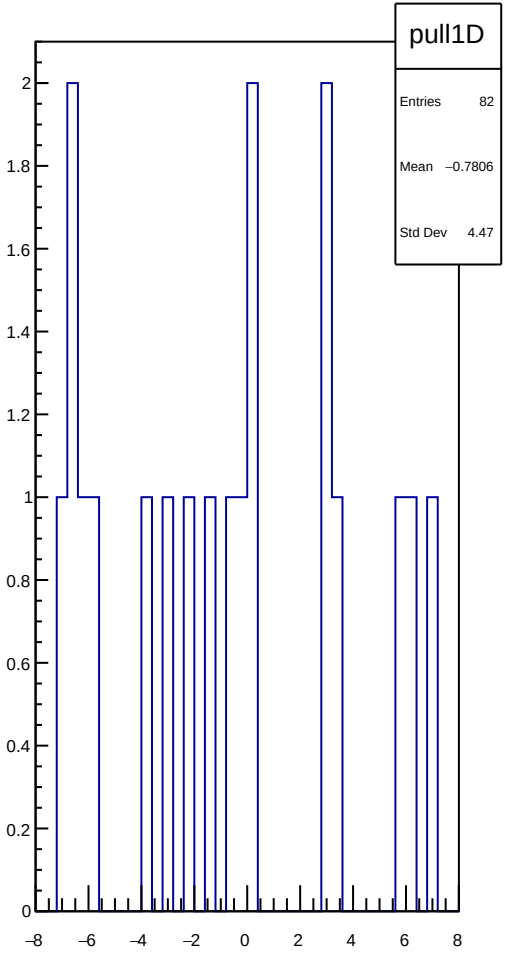

yield_bpm0l03WS_rms vs run
χ² / ndf 2.843e+05 / 81
p0 400.4 ± 0.3514
2500
2000
1500
1000
500

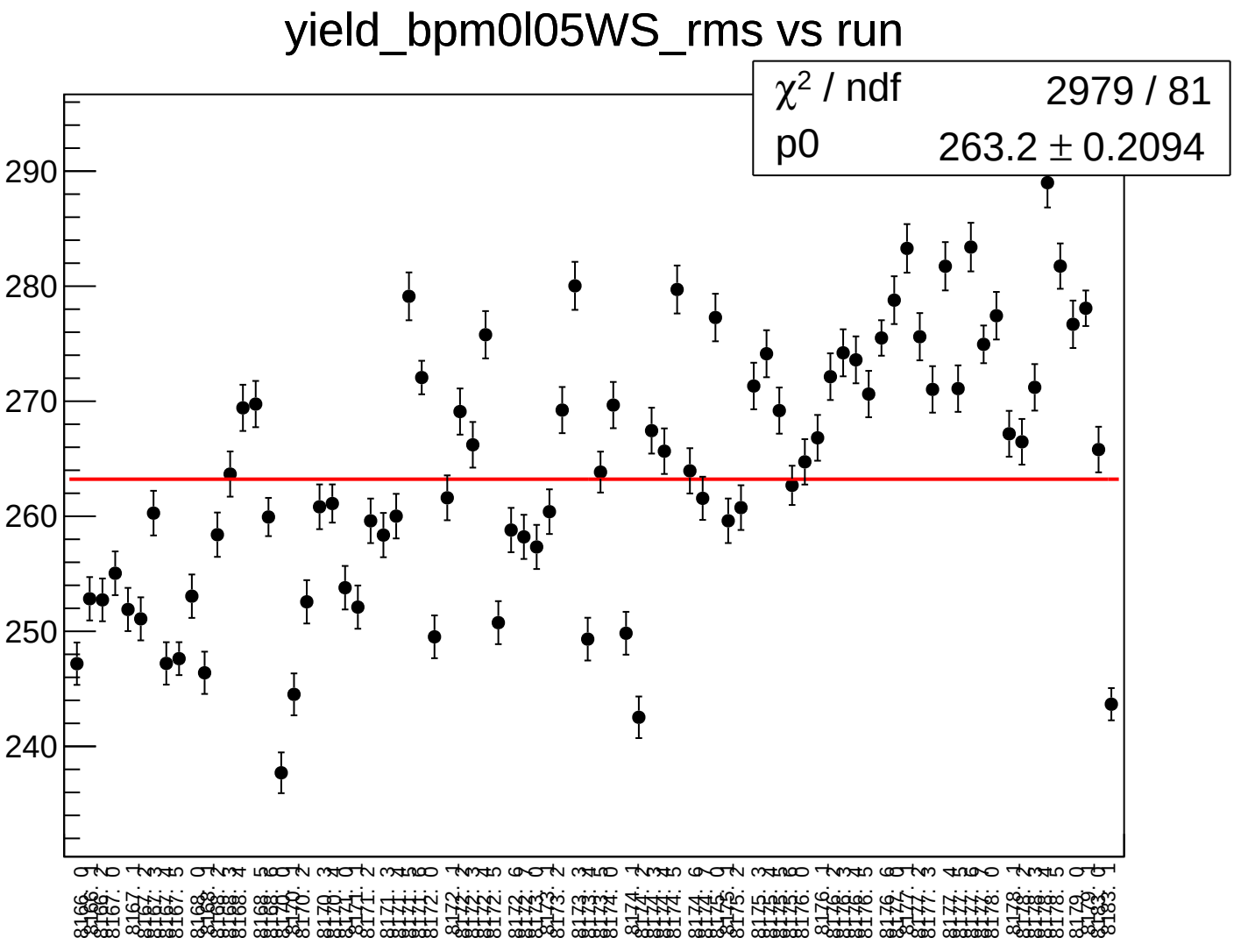

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.566e+05 / 81
p0 1.331e+05 ± 0.391
133.8
133.6
133.4
133.2
133
132.8
pull
Entries 82
Mean 1122
Std Dev 0
200
150
100
50
0
−50
−100

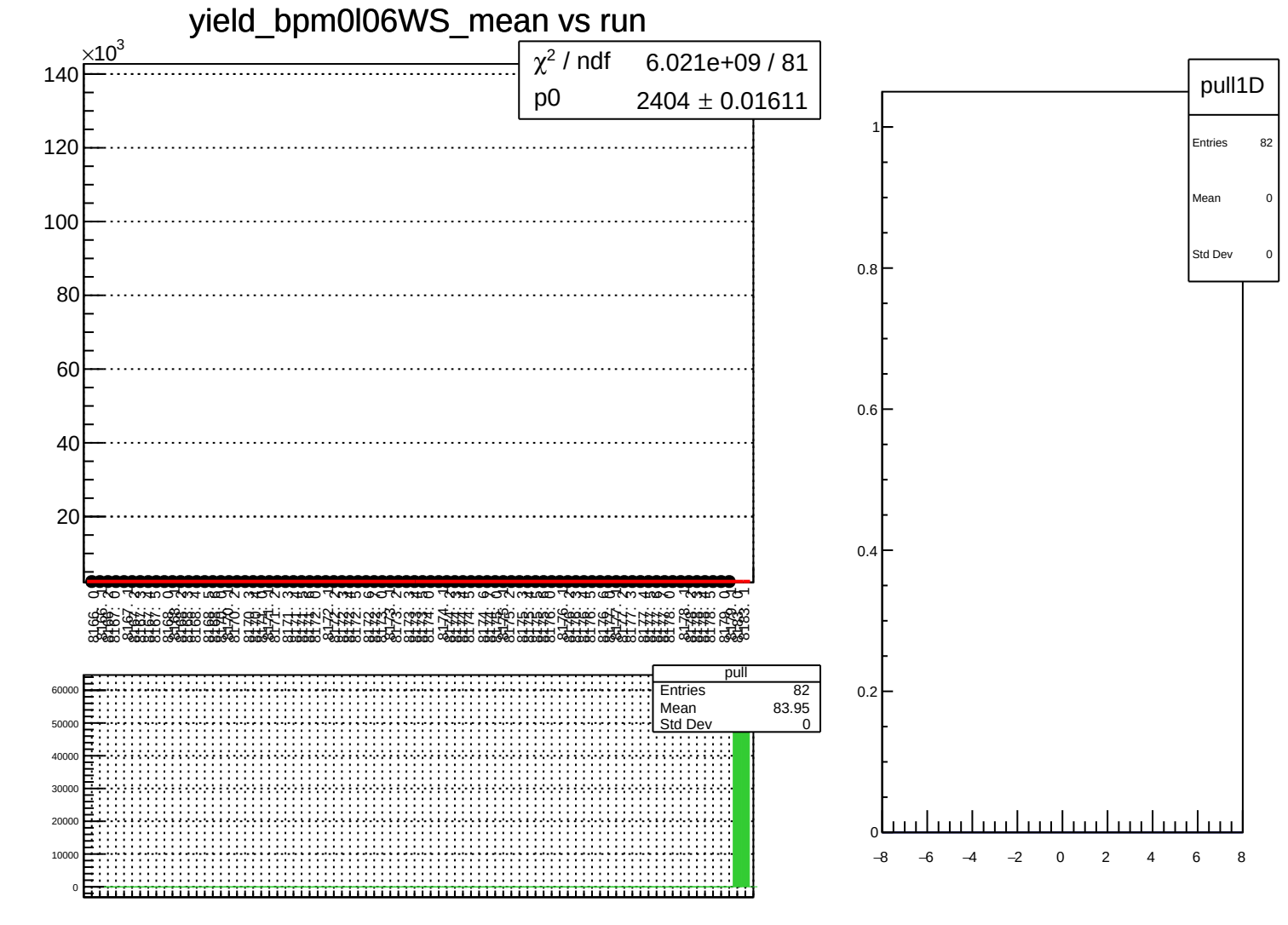

pull1D
Entries 82
Mean 0.1266
Std Dev 4.27
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

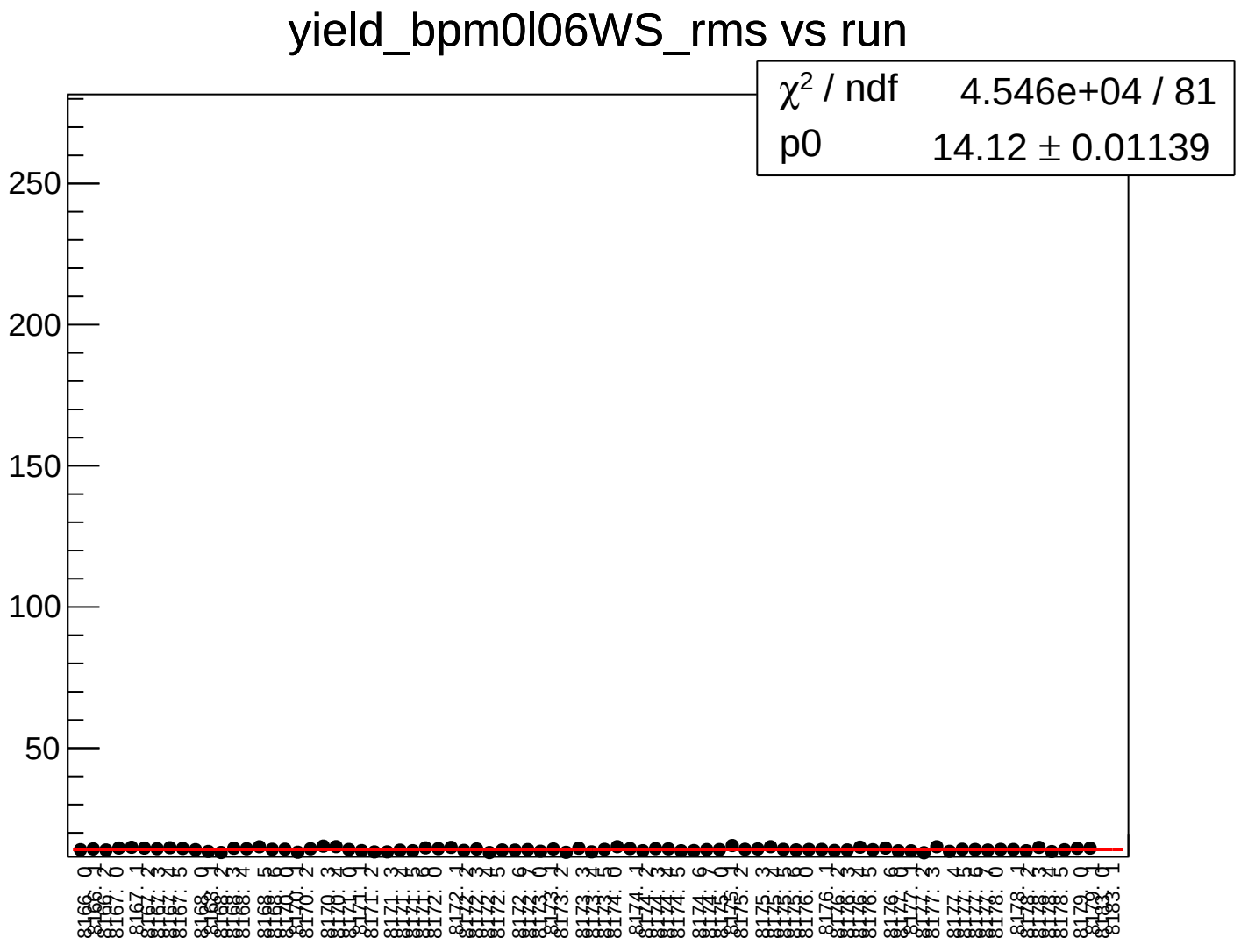

yield_bpm0l04WS_rms vs run
χ² / ndf 5368 / 81
p0 347.3 ± 0.2765
400
380
360
340
320
300

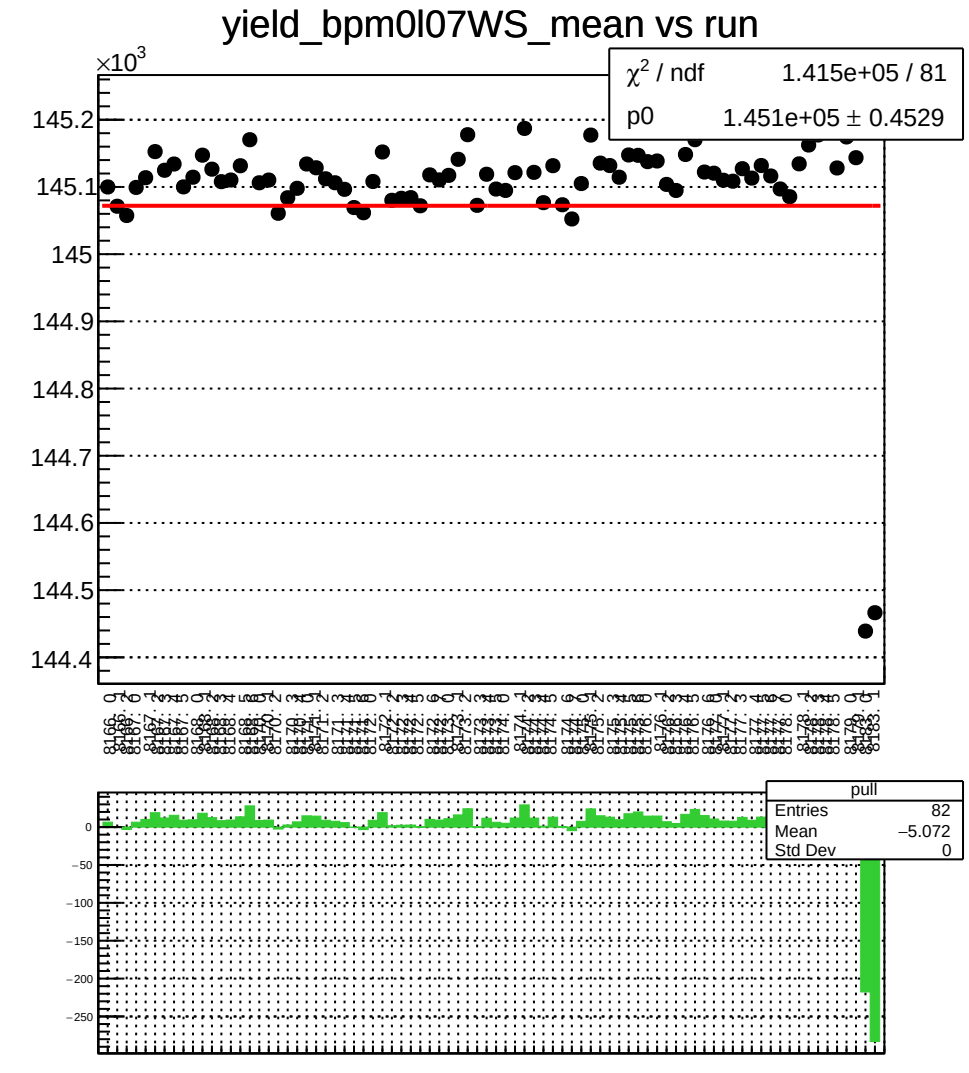

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 5.89e+04 / 81
p0 1.39e+05 ± 0.2961
139.15
139.1
139.05
139
138.95
138.9
138.85
pull
Entries 82
Mean 1276
Std Dev 0
60
40
20
0
−20
−40

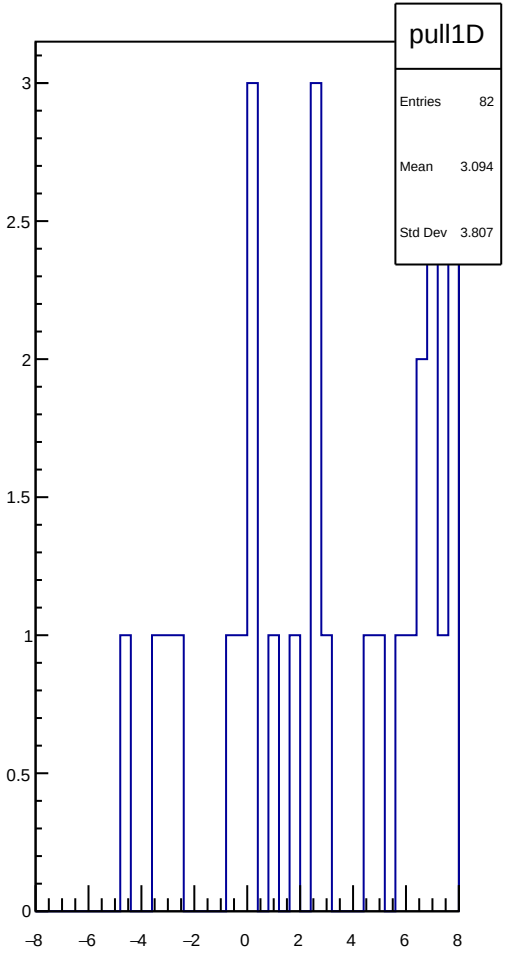

pull1D
Entries 82
Mean −0.7806
Std Dev 4.47
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

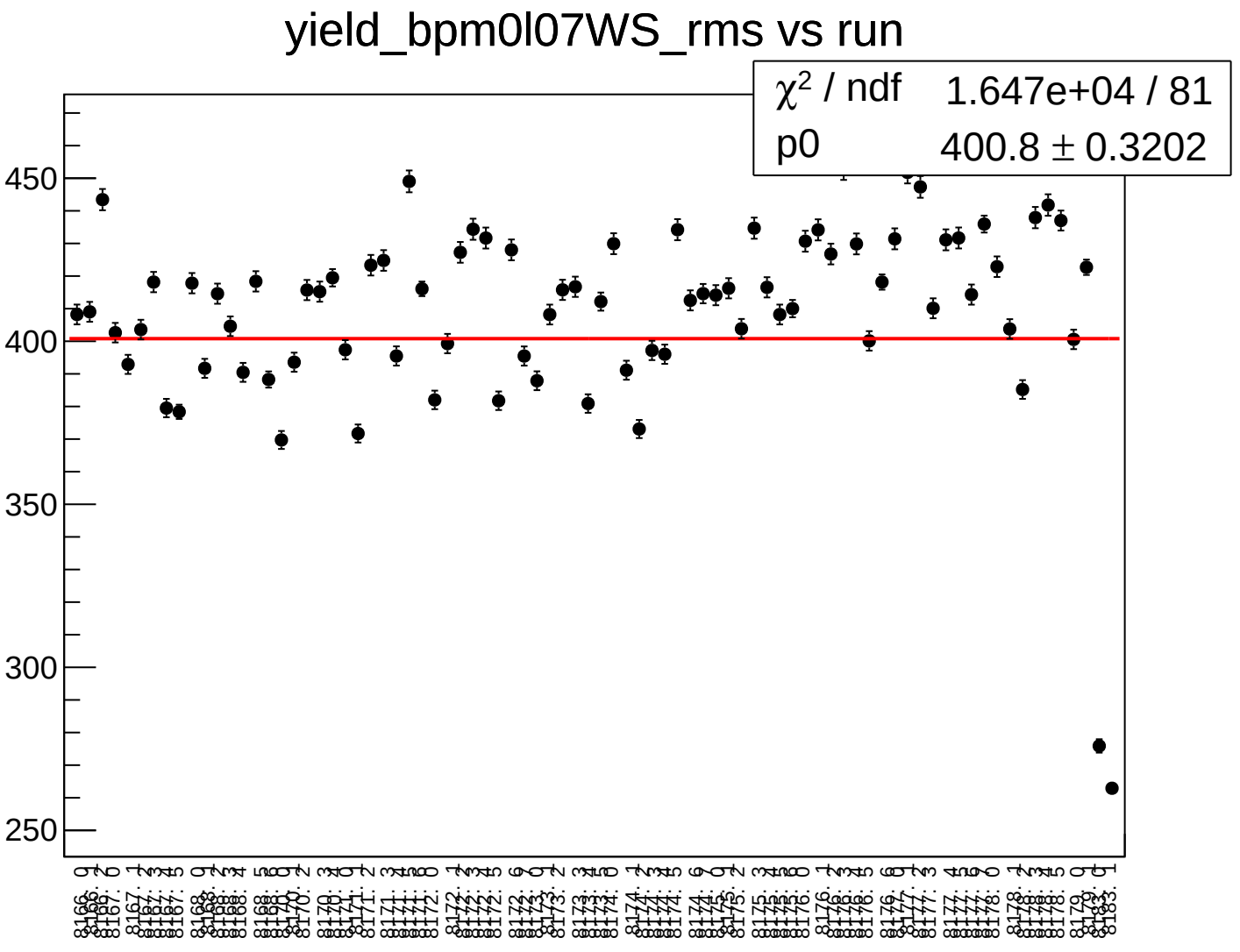

yield_bpm0l05WS_rms vs run
χ² / ndf 2979 / 81
p0 263.2 ± 0.2094
290
280
270
260
250
240

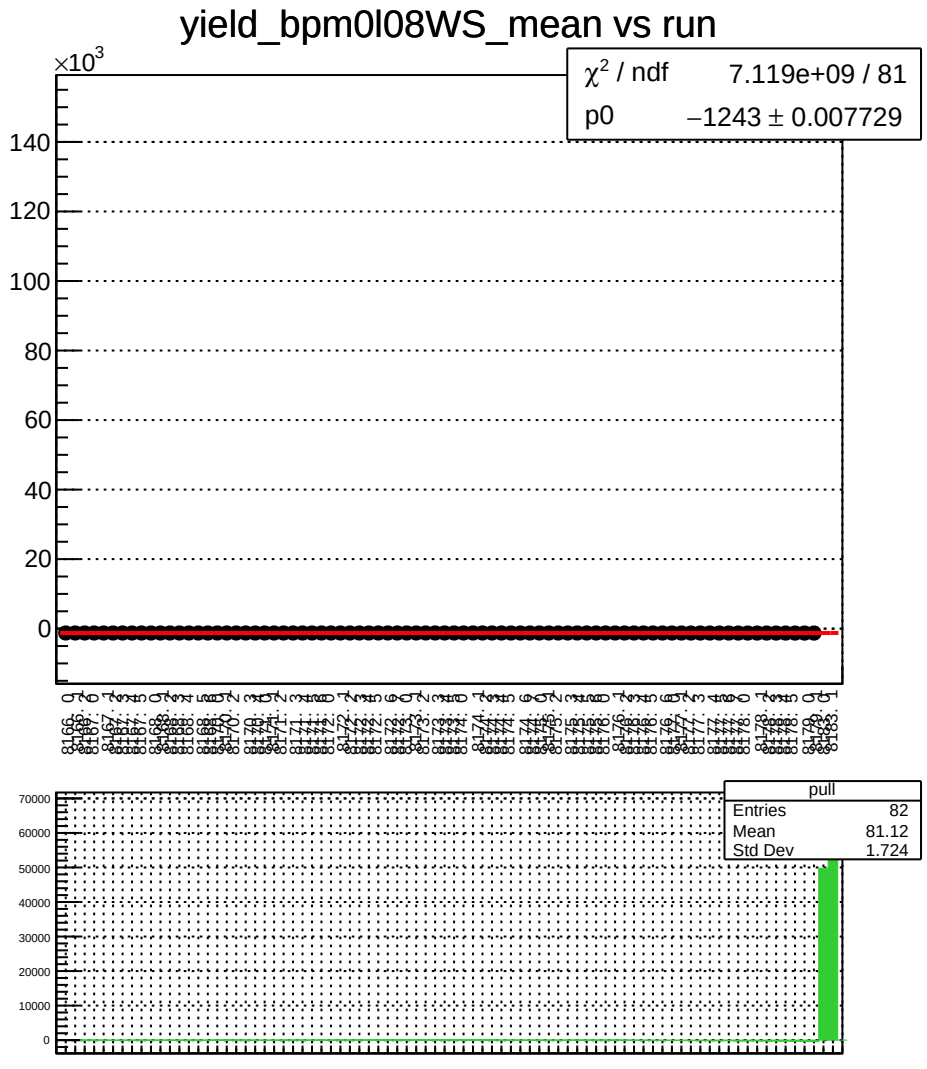

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 6.021e+09 / 81
p0 2404 ± 0.01611
140
120
100
80
60
40
20
pull
Entries 82
Mean 83.95
Std Dev 0
60000
50000
40000
30000
20000
10000
0
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

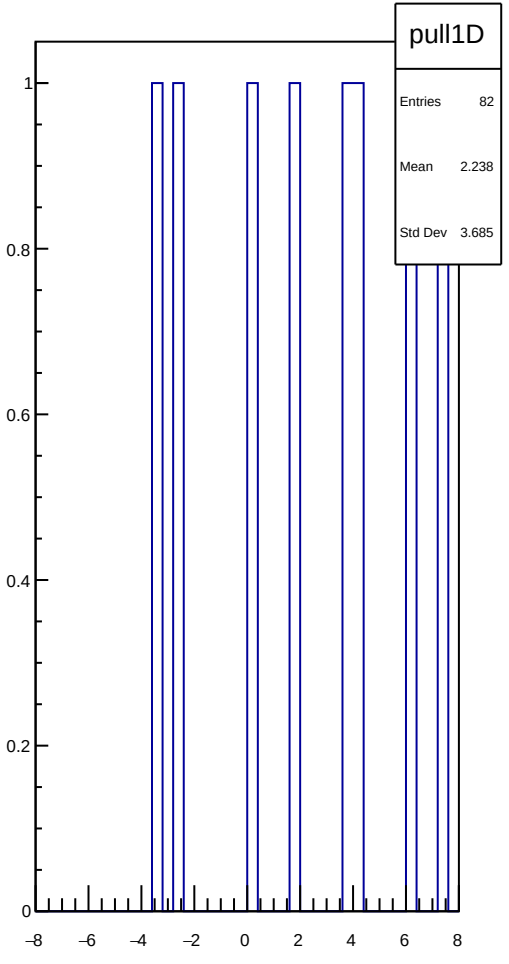

yield_bpm0l06WS_rms vs run
χ² / ndf 4.546e+04 / 81
p0 14.12 ± 0.01139
250
200
150
100
50

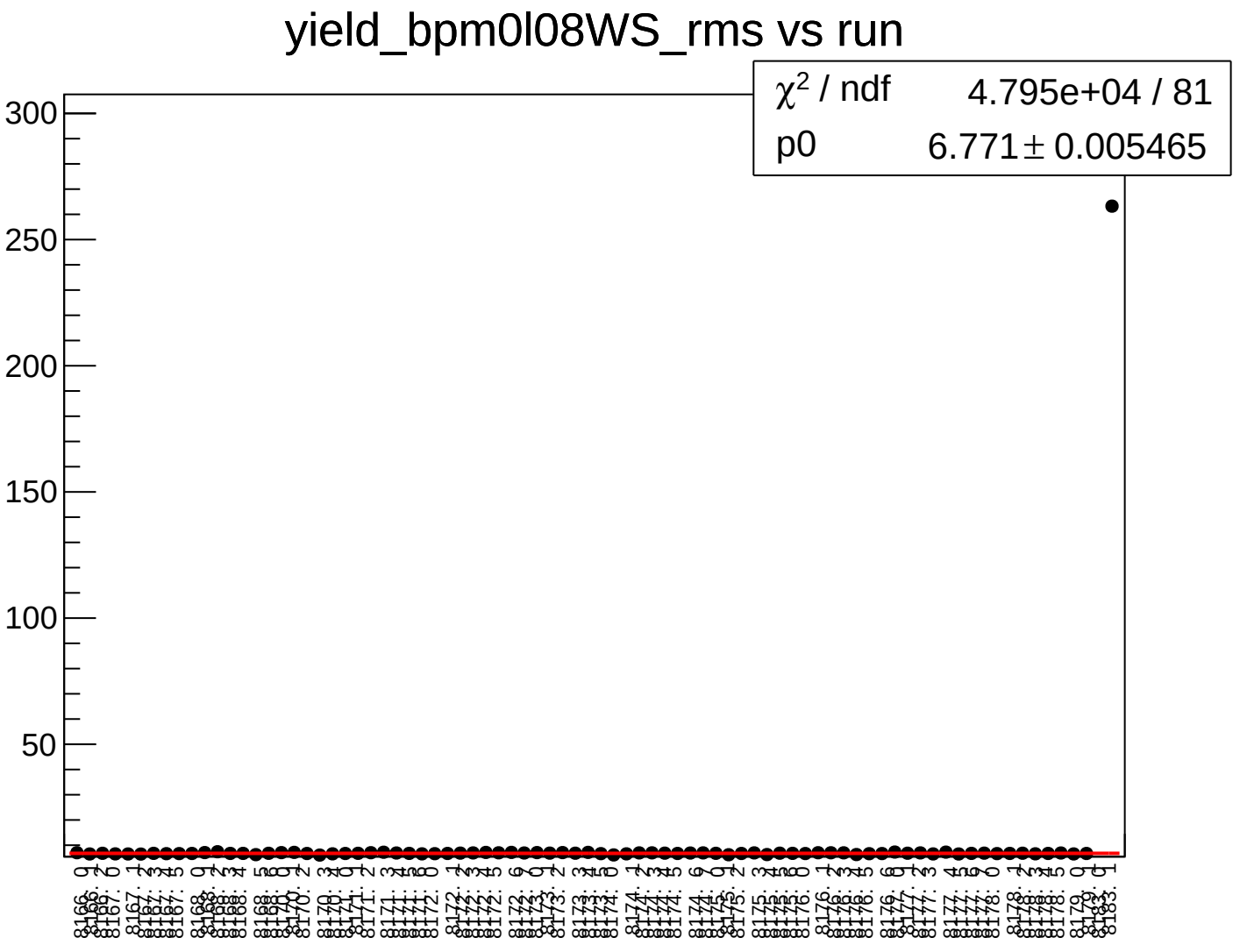

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.415e+05 / 81
p0 1.451e+05 ± 0.4529
145.2
145.1
145
144.9
144.8
144.7
144.6
144.5
144.4
pull
Entries 82
Mean −5.072
Std Dev 0
0
−50
−100
−150
−200
−250

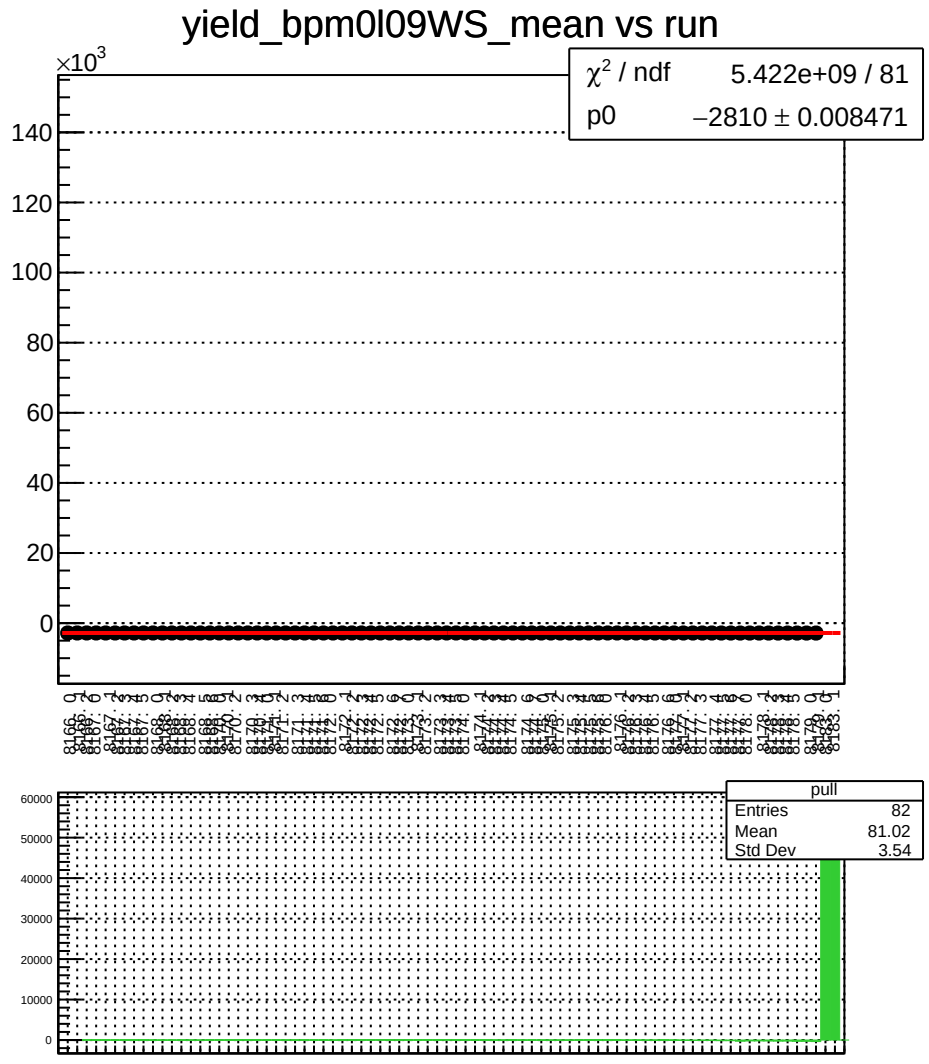

pull1D
Entries 82
Mean 3.094
Std Dev 3.807
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

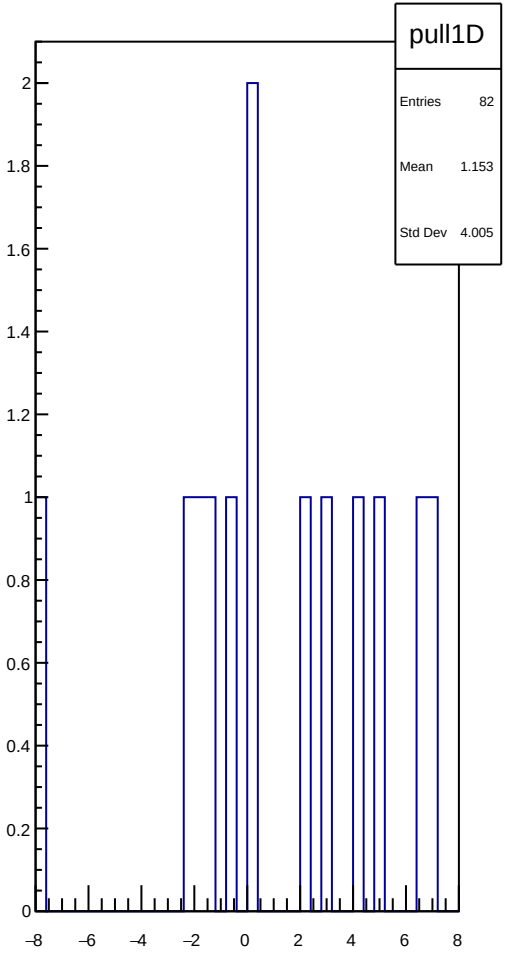

yield_bpm0l07WS_rms vs run
χ² / ndf 1.647e+04 / 81
p0 400.8 ± 0.3202
450
400
350
300
250

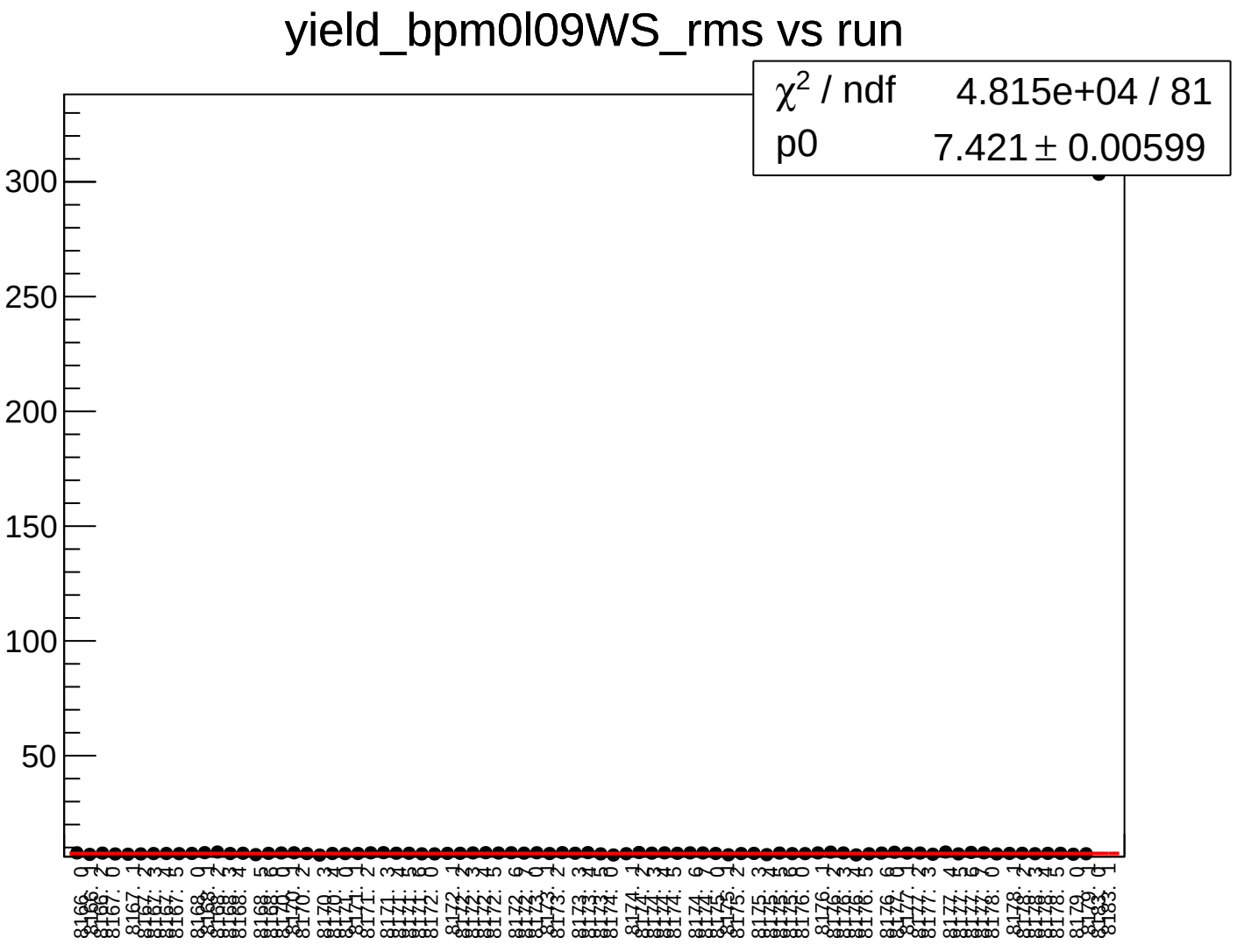

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 7.119e+09 / 81
p0 −1243 ± 0.007729
140
120
100
80
60
40
20
0
pull
Entries 82
Mean 81.12
Std Dev 1.724
70000
60000
50000
40000
30000
20000
10000
0

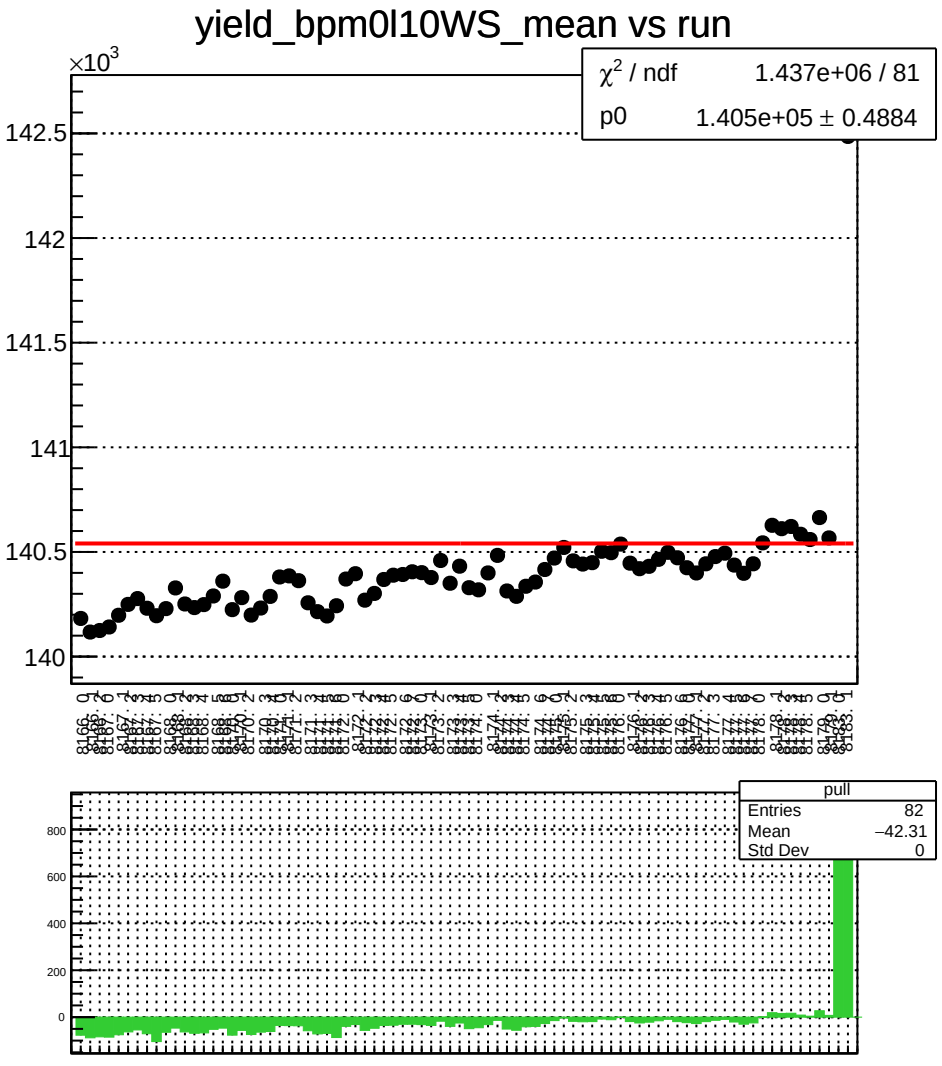

pull1D
Entries 82
Mean 2.238
Std Dev 3.685
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

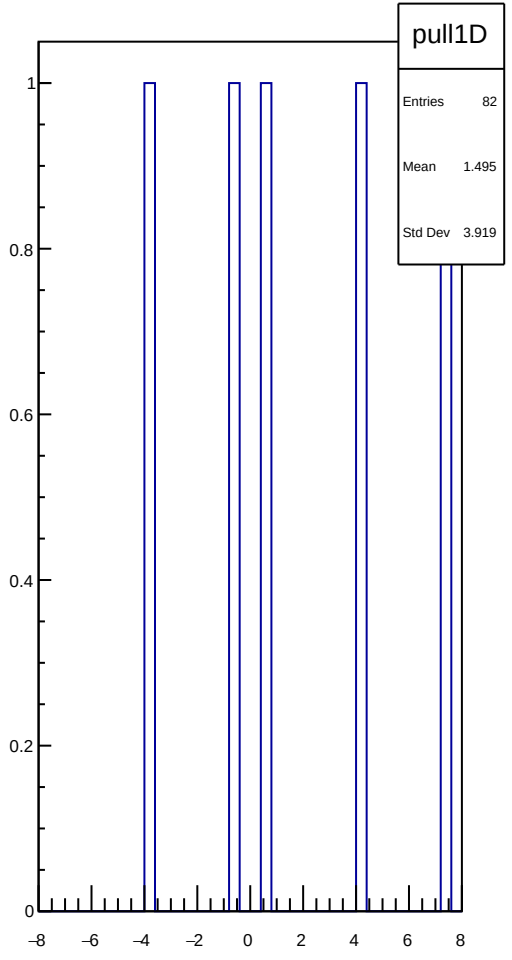

yield_bpm0l08WS_rms vs run
χ^2 / ndf 4.795e+04 / 81
p0 6.771 ± 0.005465
300
250
200
150
100
50

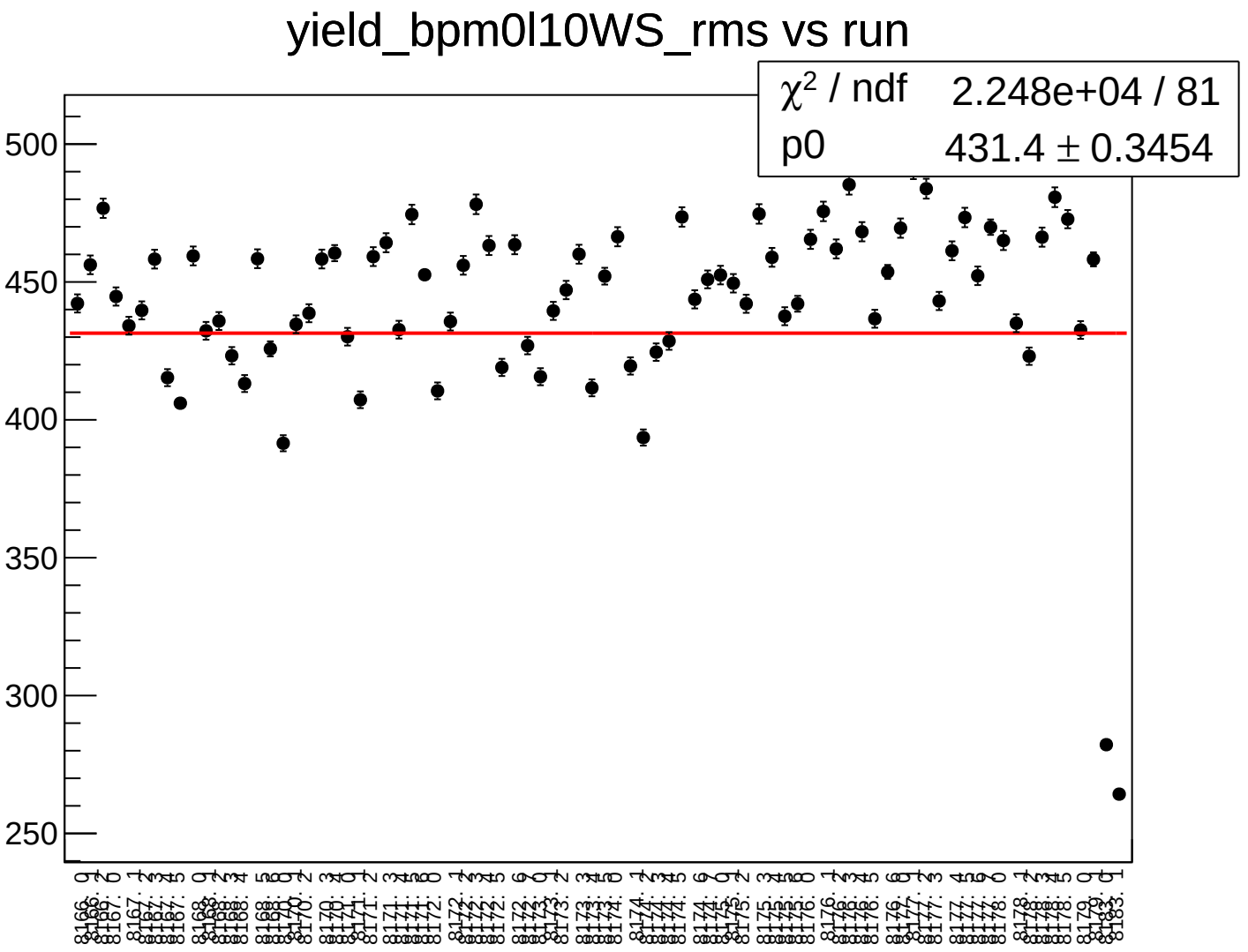

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 5.422e+09 / 81
p0 −2810 ± 0.008471
140
120
100
80
60
40
20
0
pull
Entries 82
Mean 81.02
Std Dev 3.54
60000
50000
40000
30000
20000
10000
0

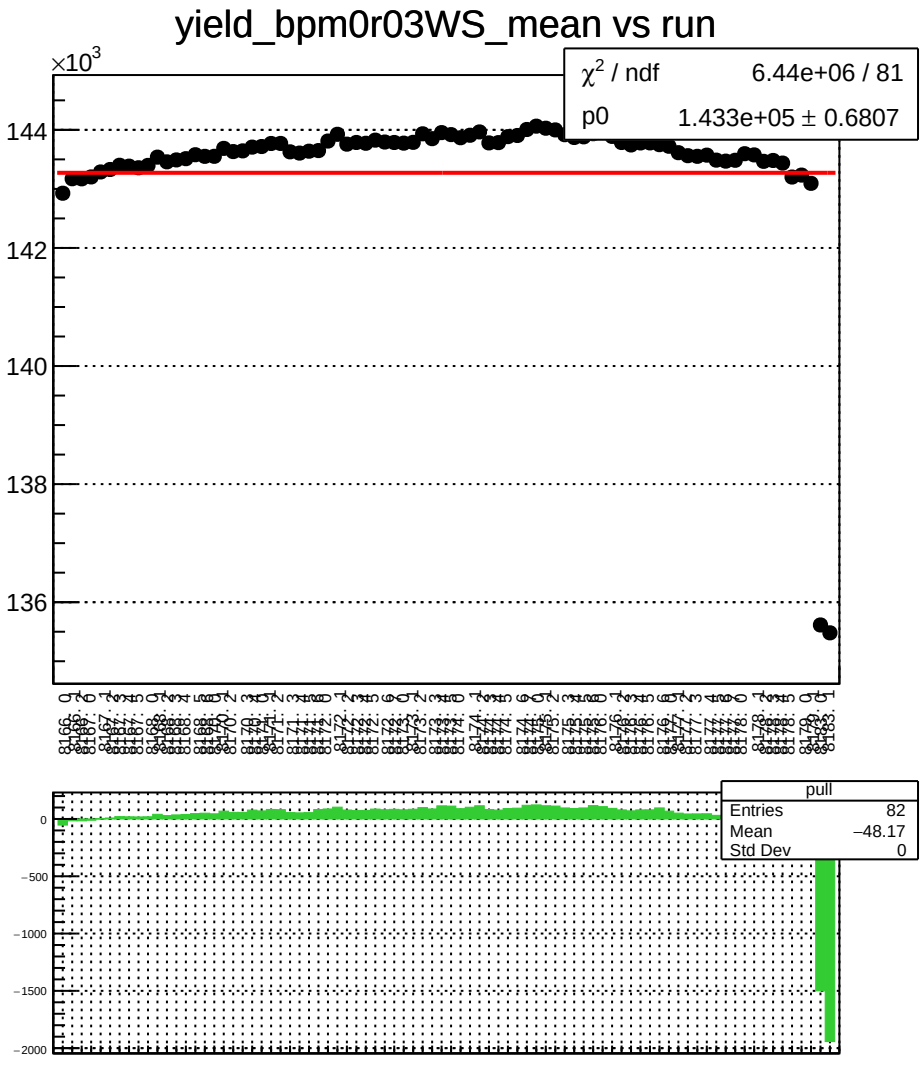

pull1D
Entries 82
Mean 1.153
Std Dev 4.005
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

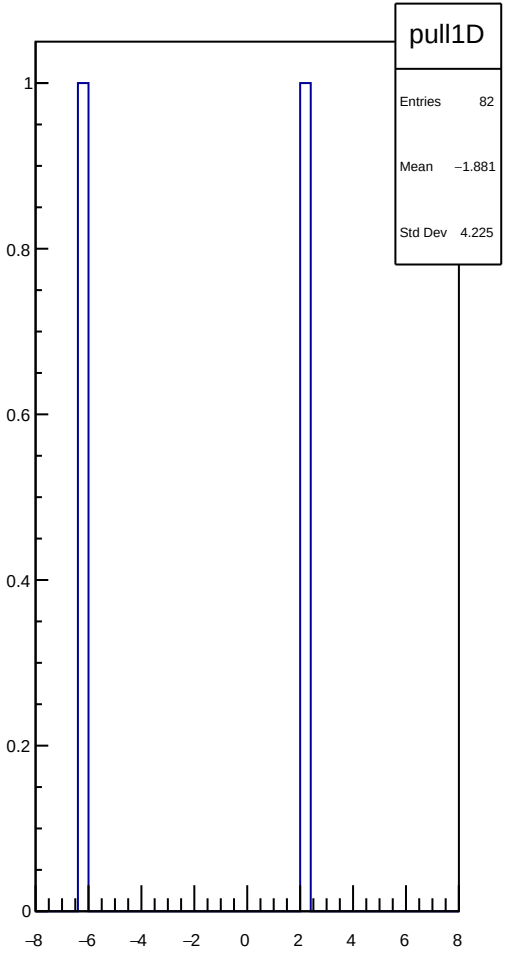

yield_bpm0l09WS_rms vs run
χ² / ndf 4.815e+04 / 81
p0 7.421 ± 0.00599
300
250
200
150
100
50

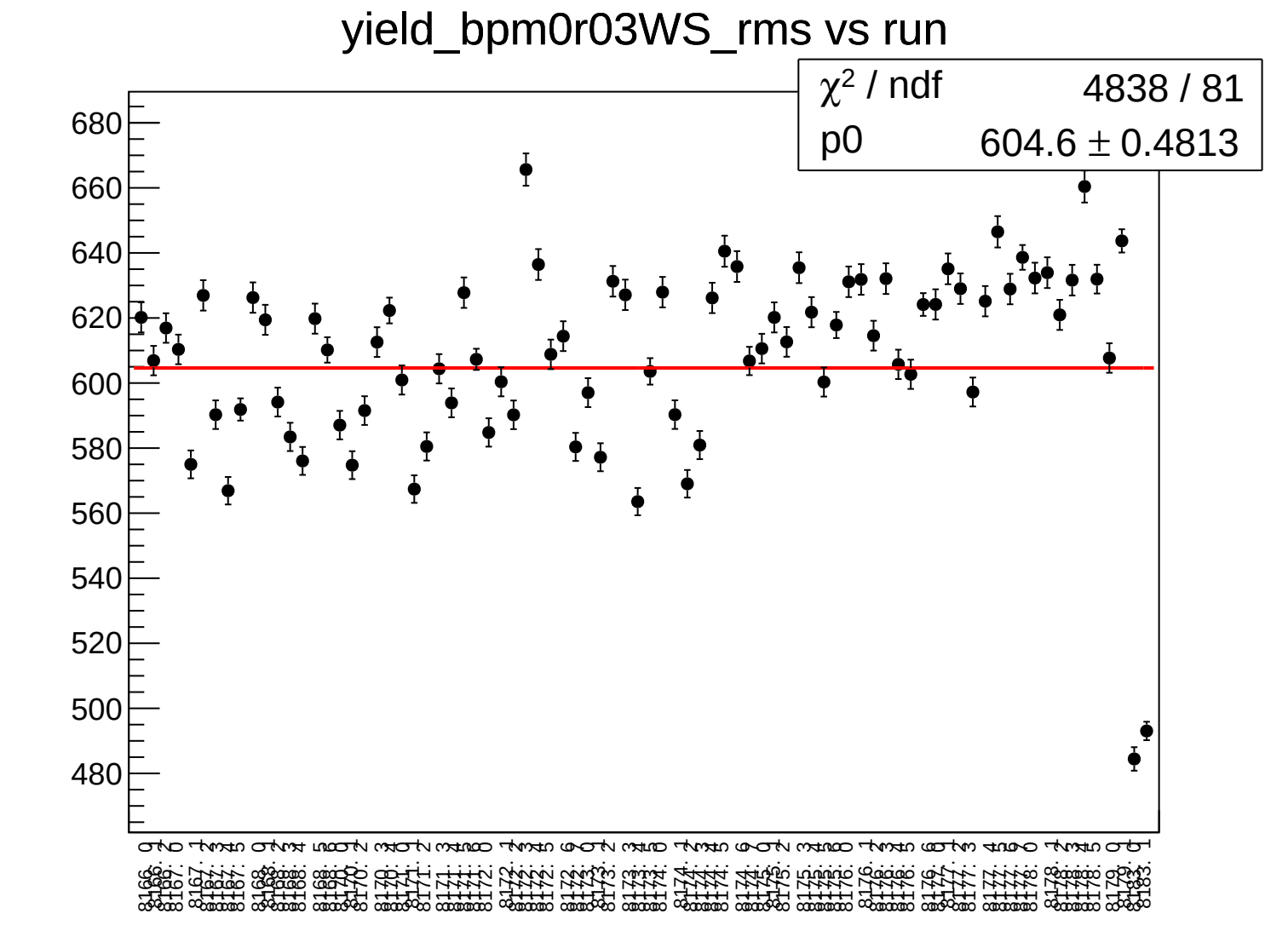

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.437e+06 / 81
p0 1.405e+05 ± 0.4884
142.5
142
141.5
141
140.5
140
pull
Entries 82
Mean −42.31
Std Dev 0
800
600
400
200
0

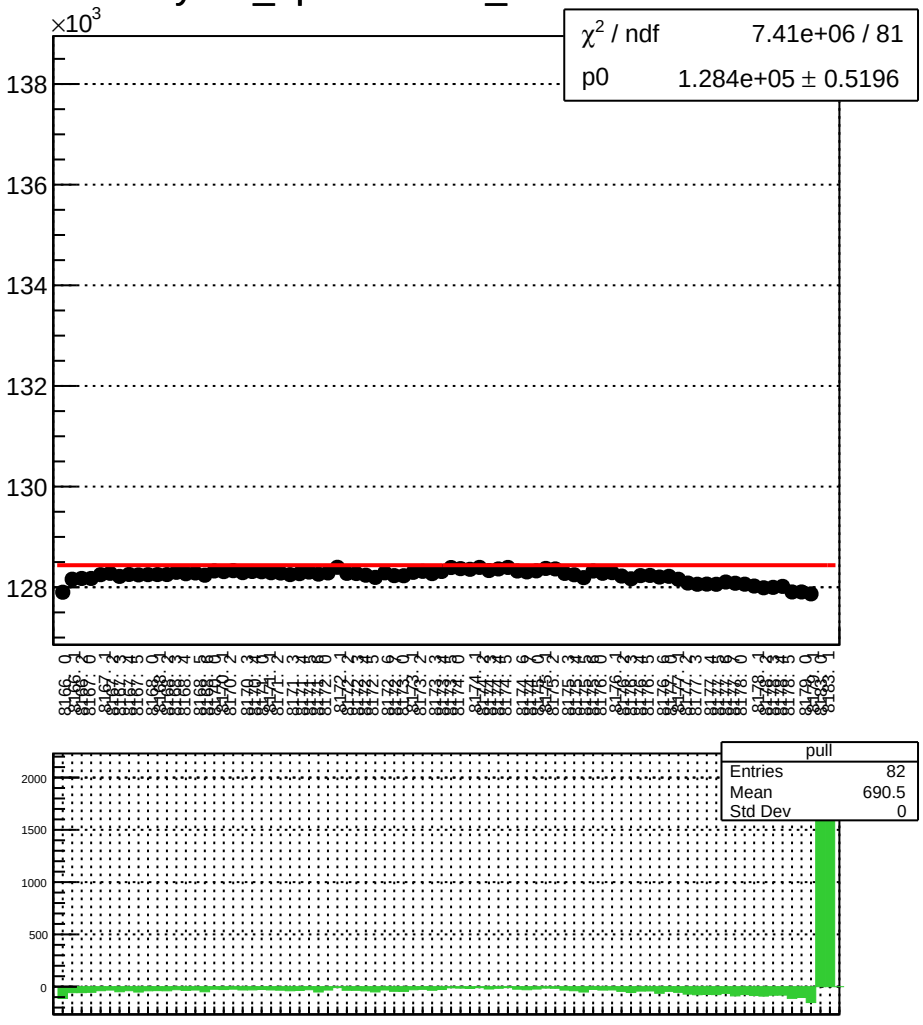

pull1D
Entries 82
Mean 1.495
Std Dev 3.919
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

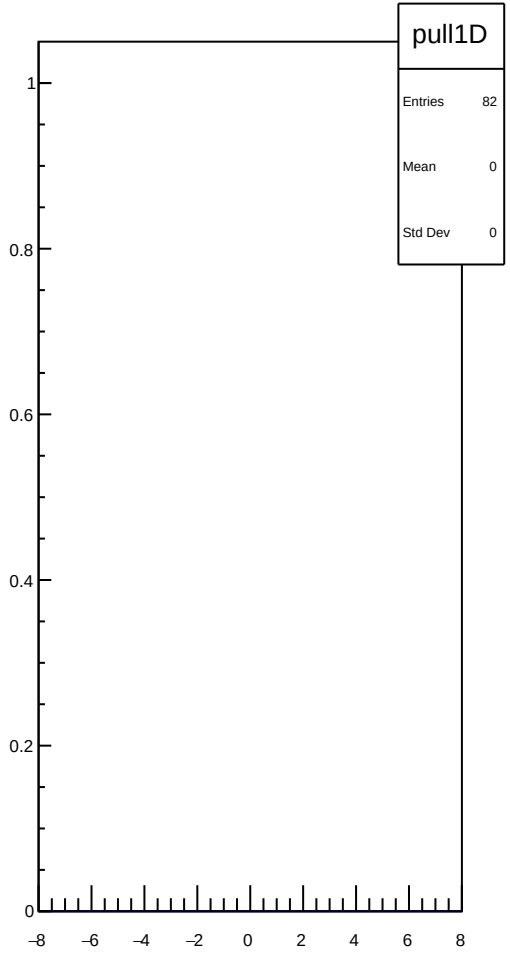

yield_bpm0l10WS_rms vs run
χ² / ndf 2.248e+04 / 81
p0 431.4 ± 0.3454
500
450
400
350
300
250

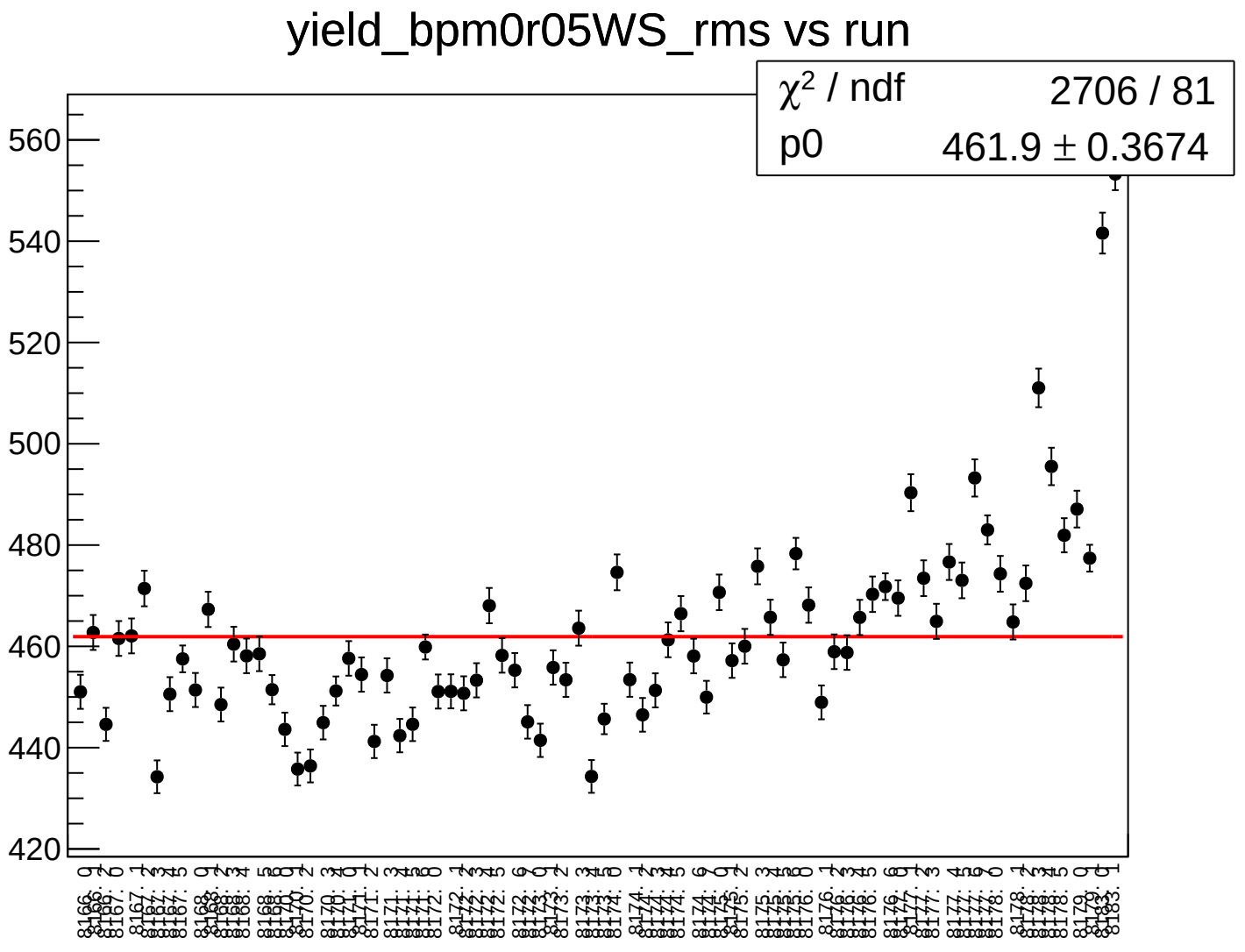

yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 6.44e+06 / 81
p0 1.433e+05 ± 0.6807
144
142
140
138
136
pull
Entries 82
Mean −48.17
Std Dev 0
0
−500
−1000
−1500
−2000

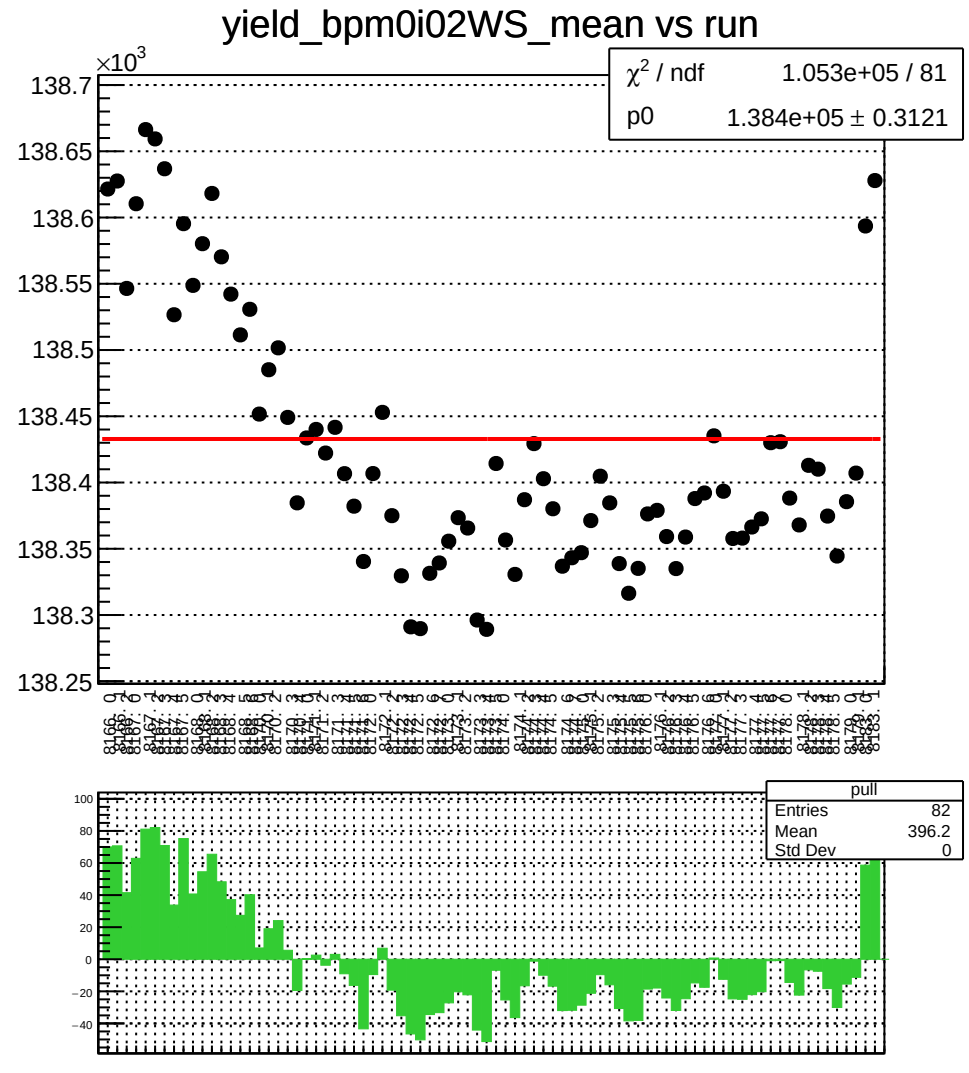

pull1D
Entries 82
Mean −1.881
Std Dev 4.225
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

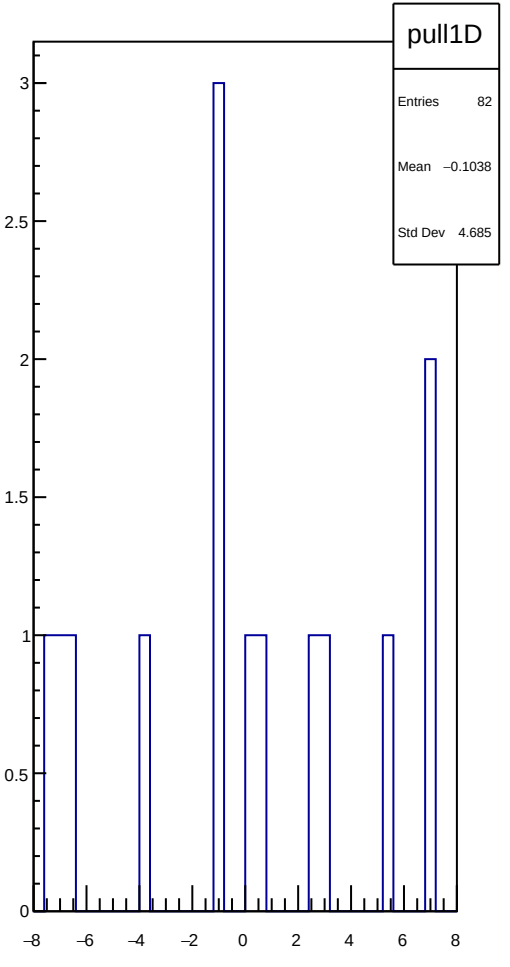

yield_bpm0r03WS_rms vs run
χ² / ndf 4838 / 81
p0 604.6 ± 0.4813
680
660
640
620
600
580
560
540
520
500
480

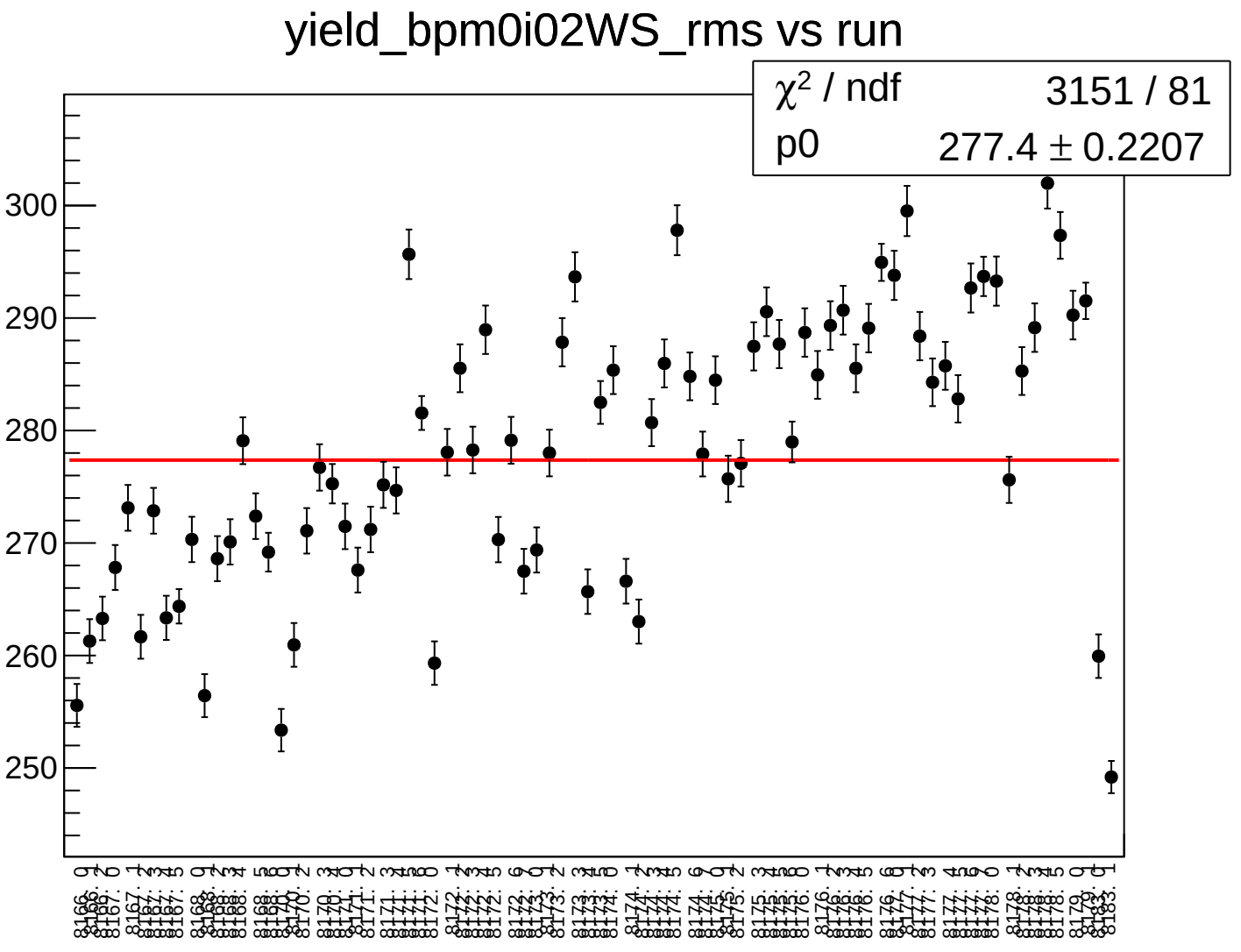

yield_bpm0r05WS_mean vs run
×10^3
χ^2 / ndf 7.41e+06 / 81
p0 1.284e+05 ± 0.5196
138
136
134
132
130
128
pull
Entries 82
Mean 690.5
Std Dev 0
2000
1500
1000
500
0

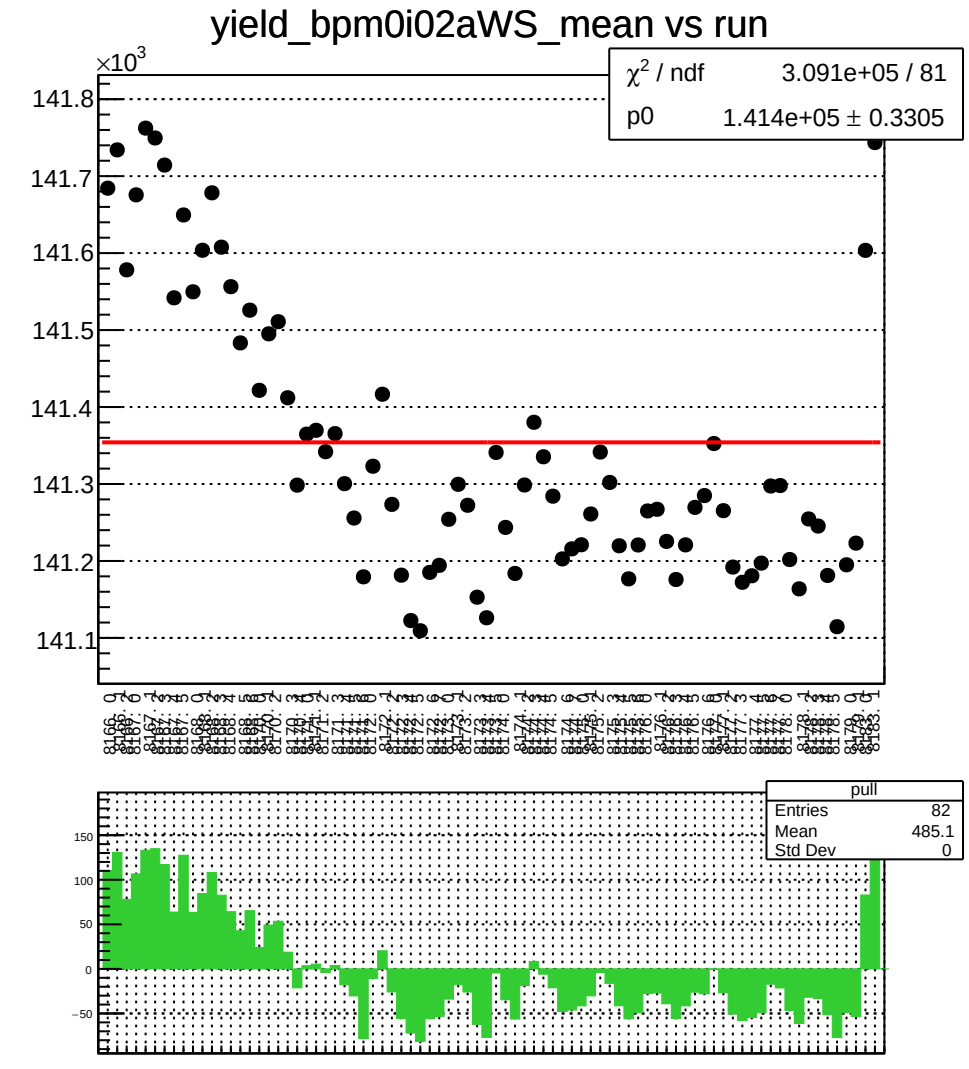

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

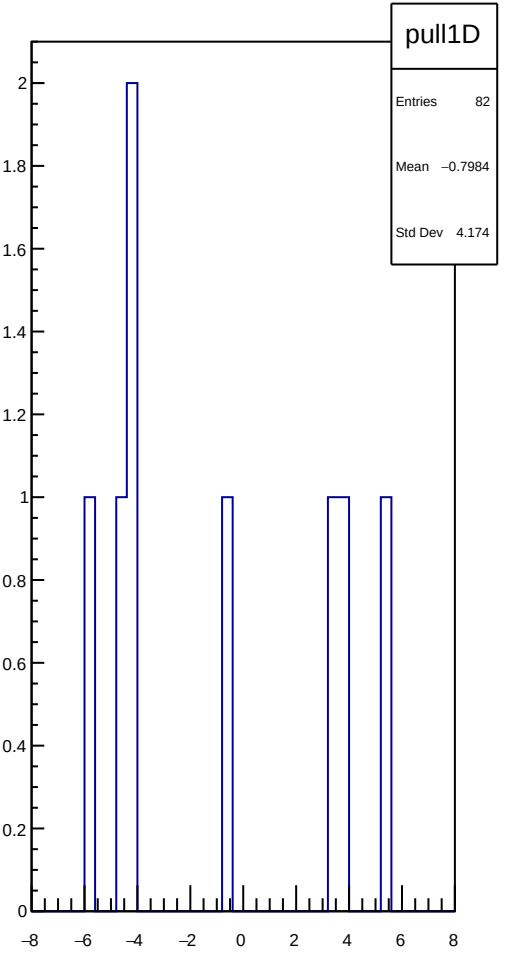

yield_bpm0r05WS_rms vs run
χ² / ndf 2706 / 81
p0 461.9 ± 0.3674
560
540
520
500
480
460
440
420

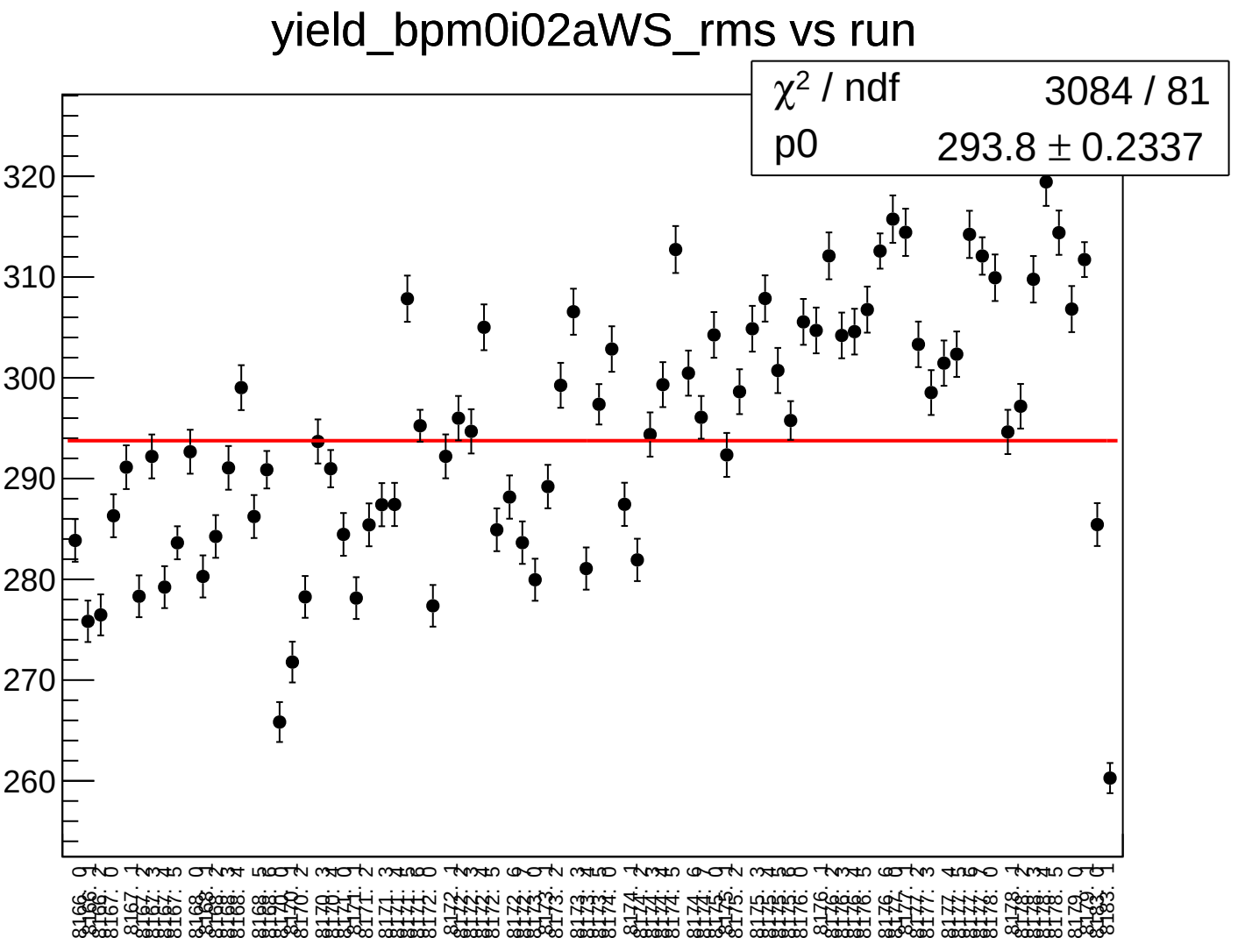

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.053e+05 / 81
p0 1.384e+05 ± 0.3121
138.7
138.65
138.6
138.55
138.5
138.45
138.4
138.35
138.3
138.25
pull
Entries 82
Mean 396.2
Std Dev 0
100
80
60
40
20
0
−20
−40

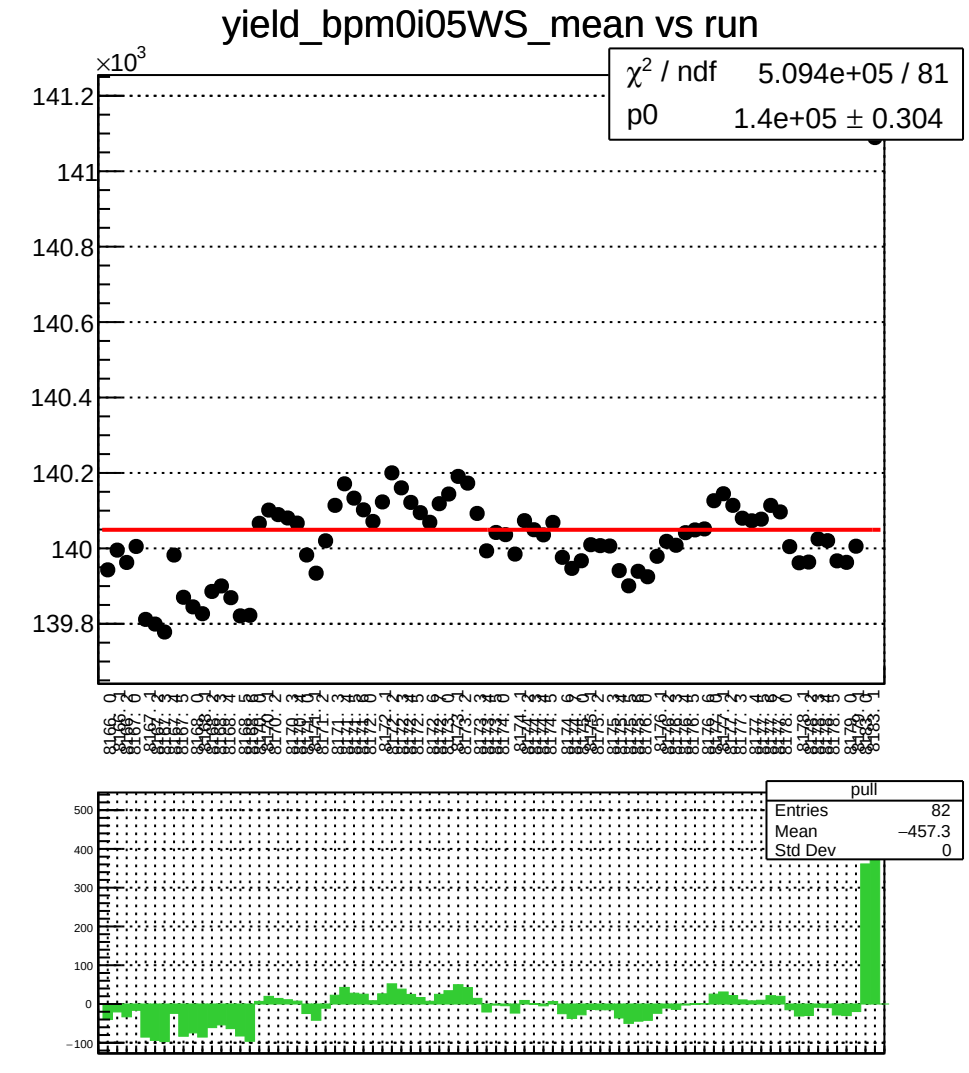

pull1D
Entries 82
Mean −0.1038
Std Dev 4.685
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

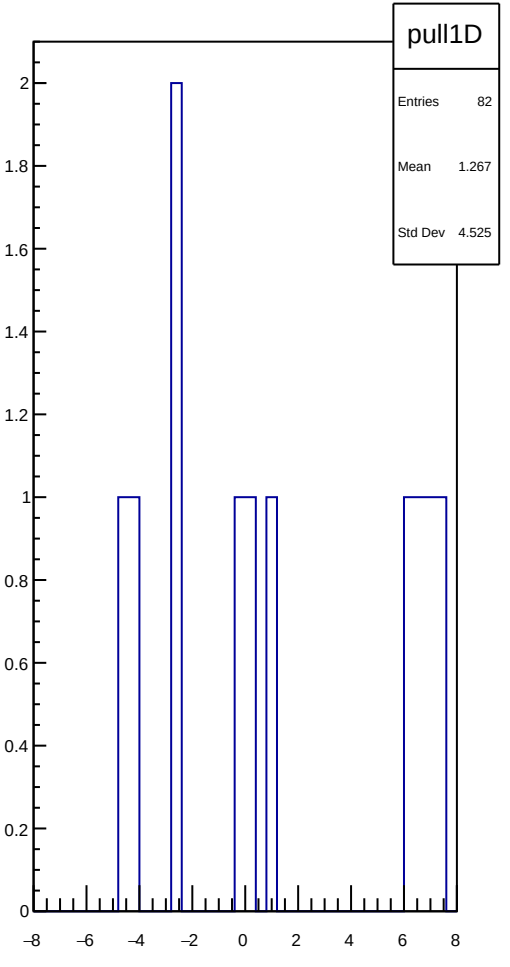

yield_bpm0i02WS_rms vs run
χ² / ndf 3151 / 81
p0 277.4 ± 0.2207
300
290
280
270
260
250

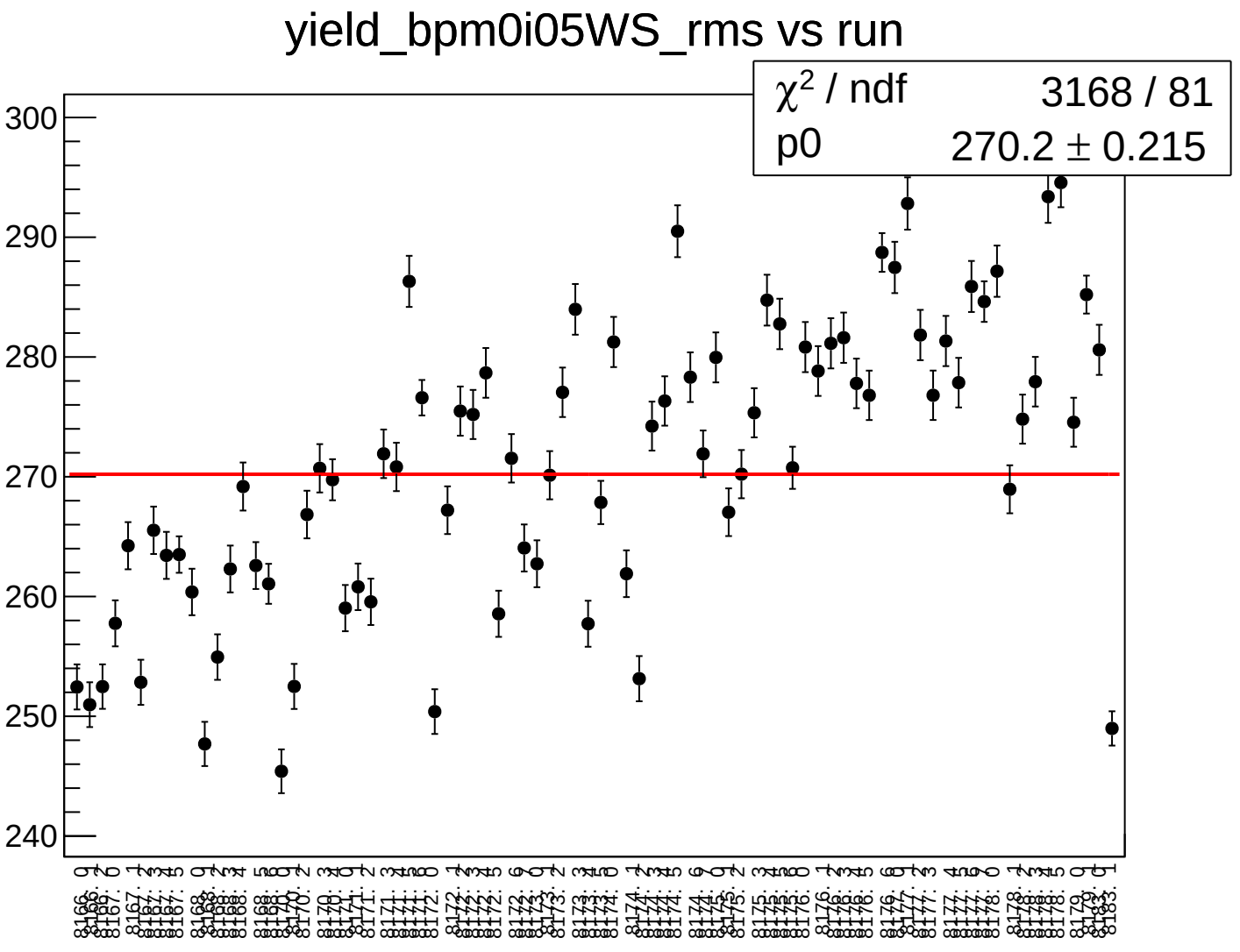

yield_bpm0i02aWS_mean vs run
×10^3
141.8
141.7
141.6
141.5
141.4
141.3
141.2
141.1
χ² / ndf 3.091e+05 / 81
p0 1.414e+05 ± 0.3305
pull
Entries 82
Mean 485.1
Std Dev 0
150
100
50
0
−50

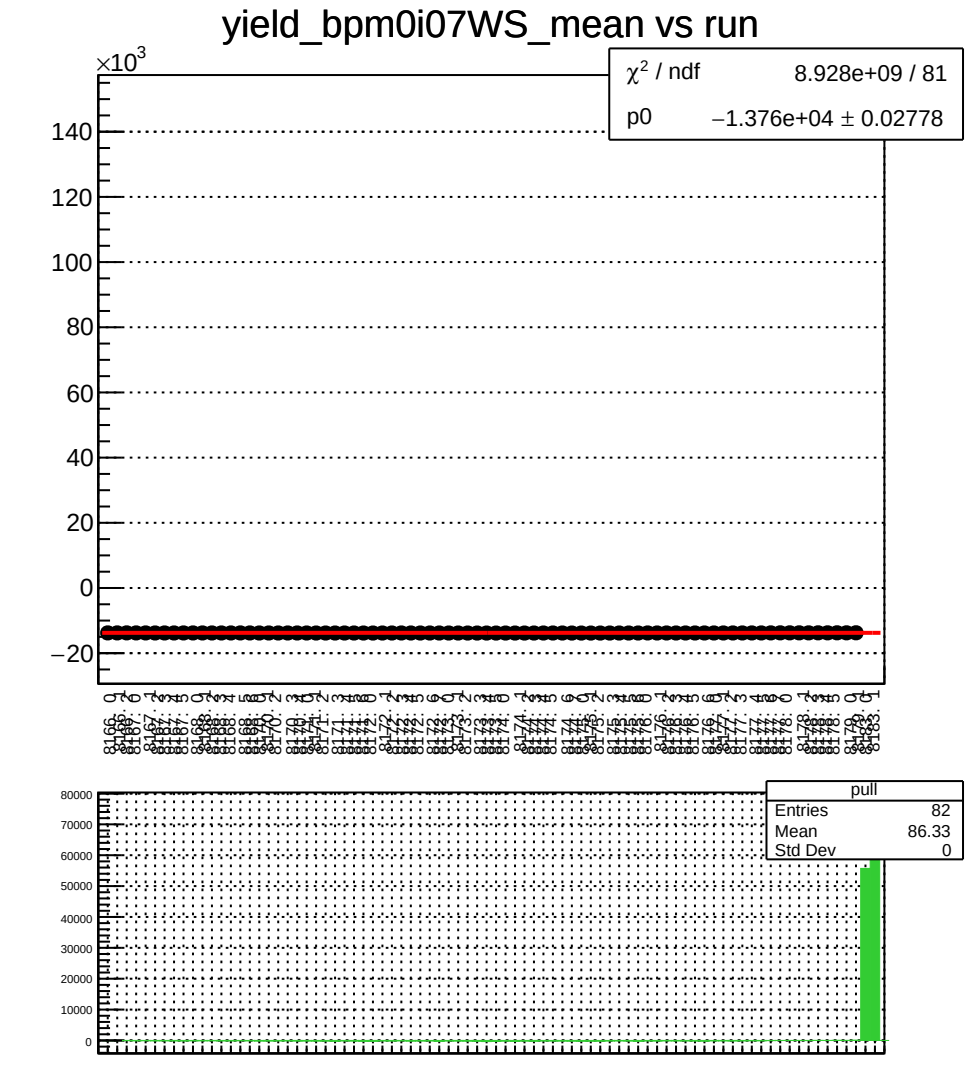

pull1D
Entries 82
Mean −0.7984
Std Dev 4.174
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

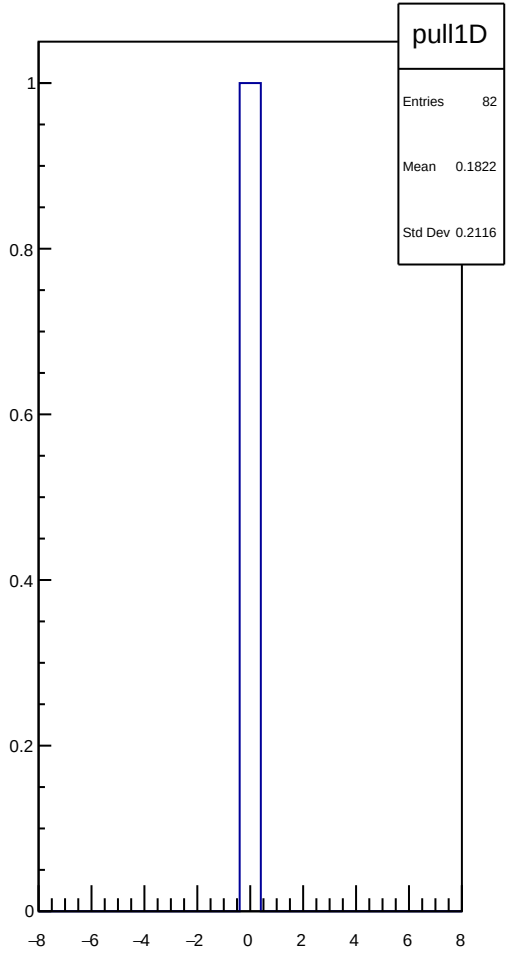

yield_bpm0i02aWS_rms vs run
χ² / ndf 3084 / 81
p0 293.8 ± 0.2337
320
310
300
290
280
270
260

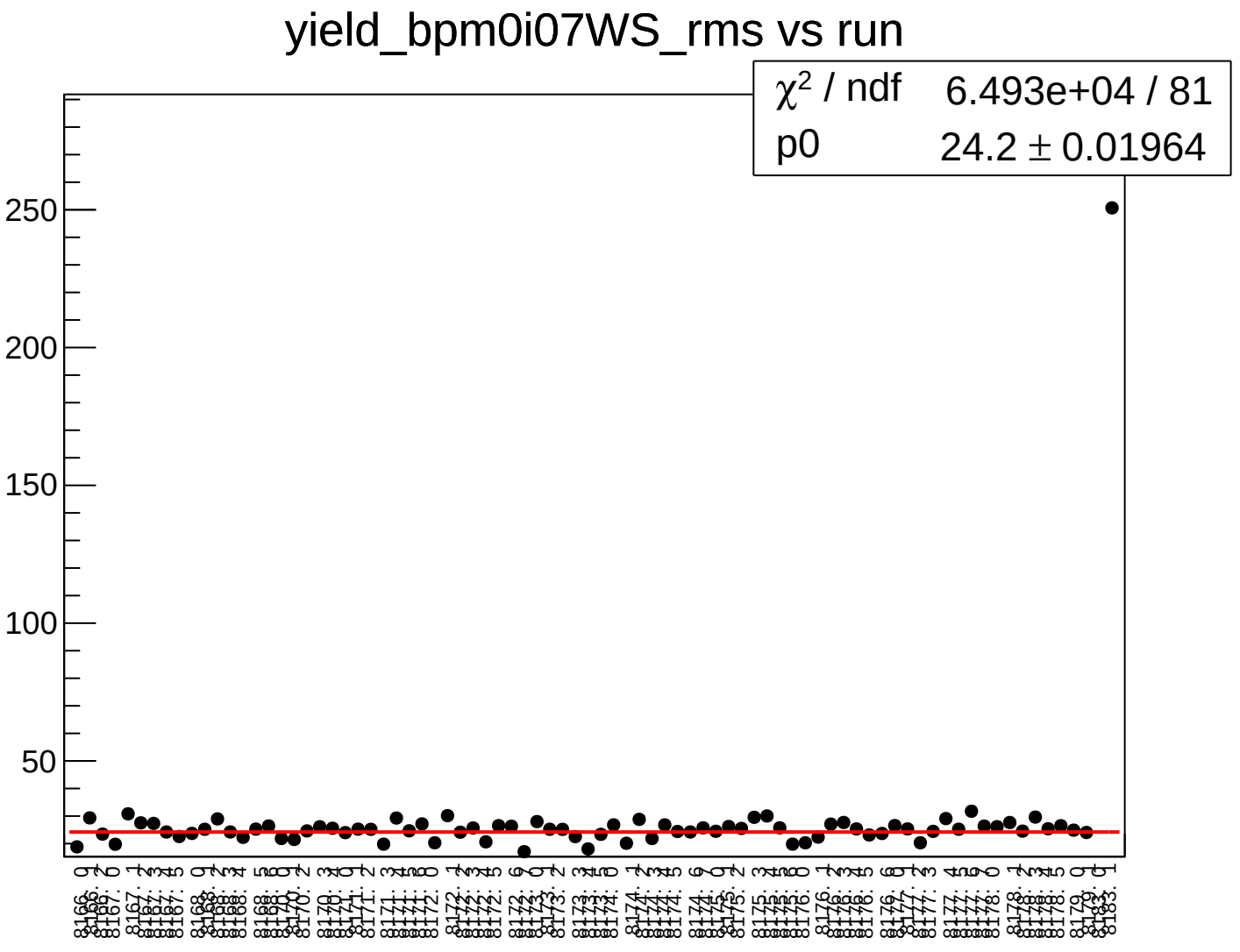

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 5.094e+05 / 81
p0 1.4e+05 ± 0.304
141.2
141
140.8
140.6
140.4
140.2
140
139.8
pull
Entries 82
Mean −457.3
Std Dev 0
500
400
300
200
100
0
−100

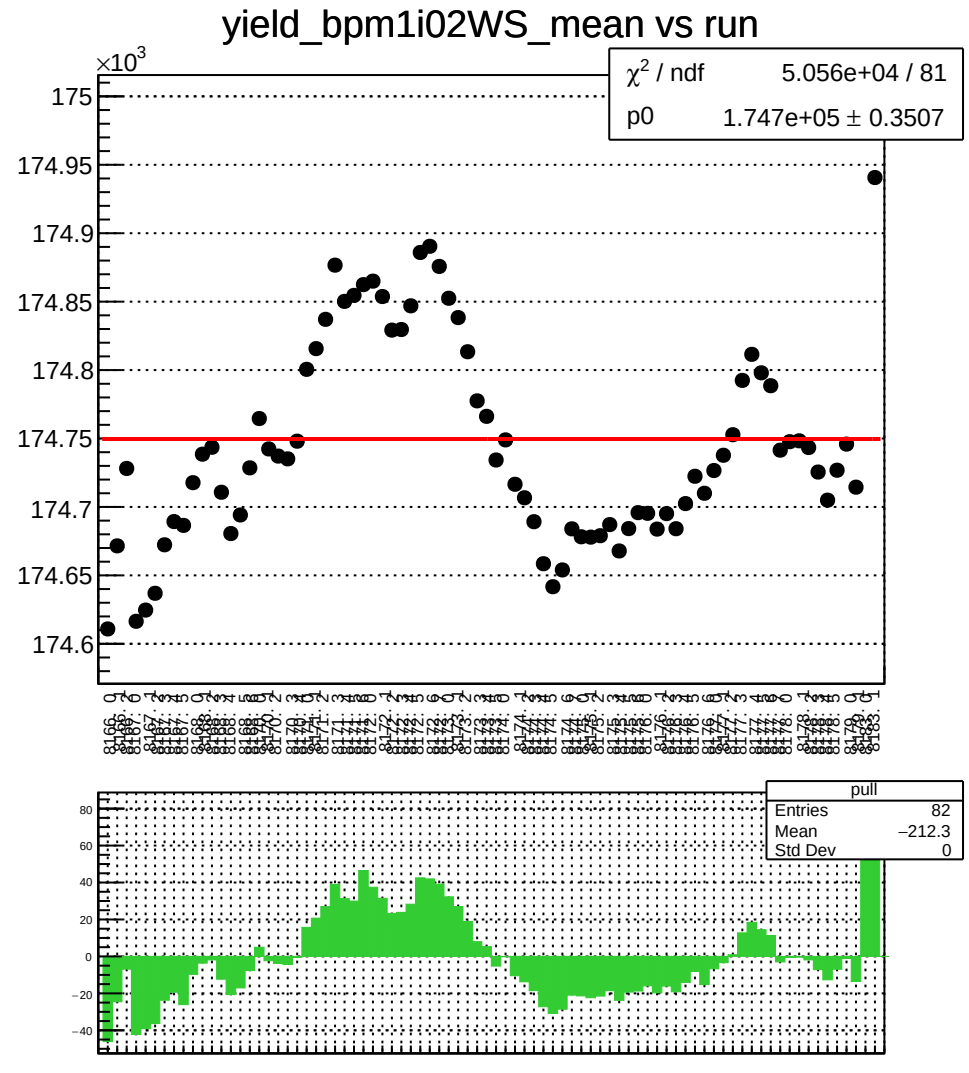

pull1D
Entries 82
Mean 1.267
Std Dev 4.525
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

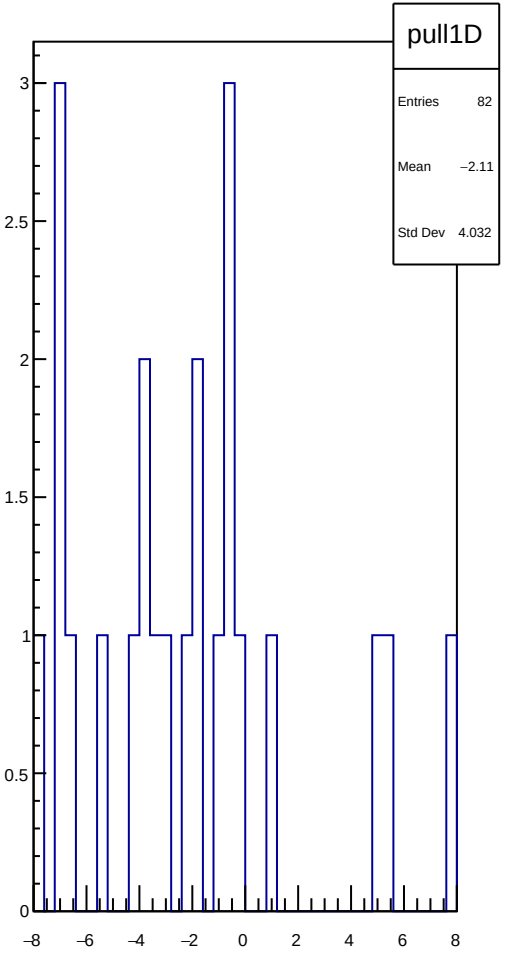

yield_bpm0i05WS_rms vs run
χ² / ndf 3168 / 81
p0 270.2 ± 0.215
300
290
280
270
260
250
240

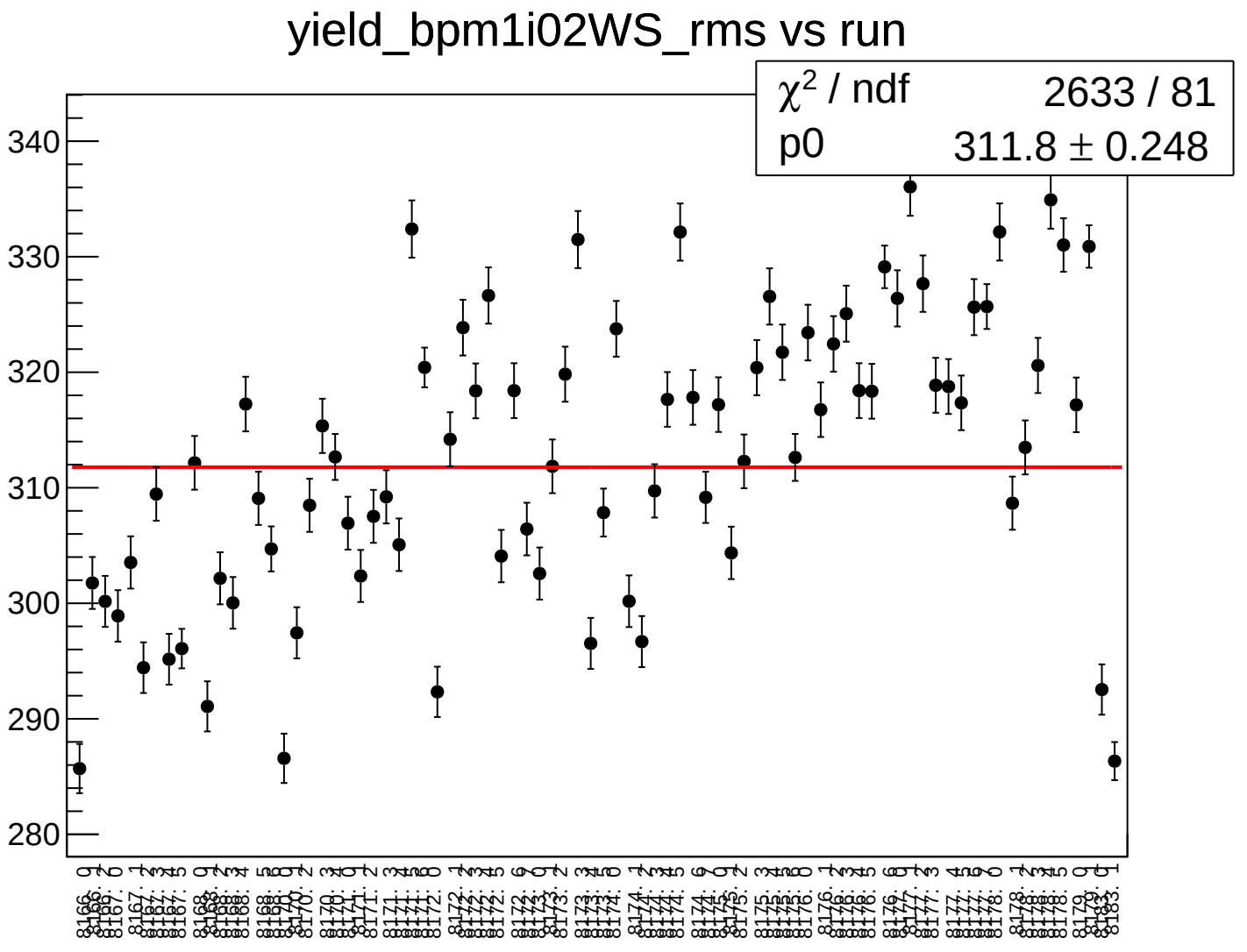

yield_bpm0i07WS_mean vs run
χ² / ndf 8.928e+09 / 81
p0 −1.376e+04 ± 0.02778
pull
Entries 82
Mean 86.33
Std Dev 0

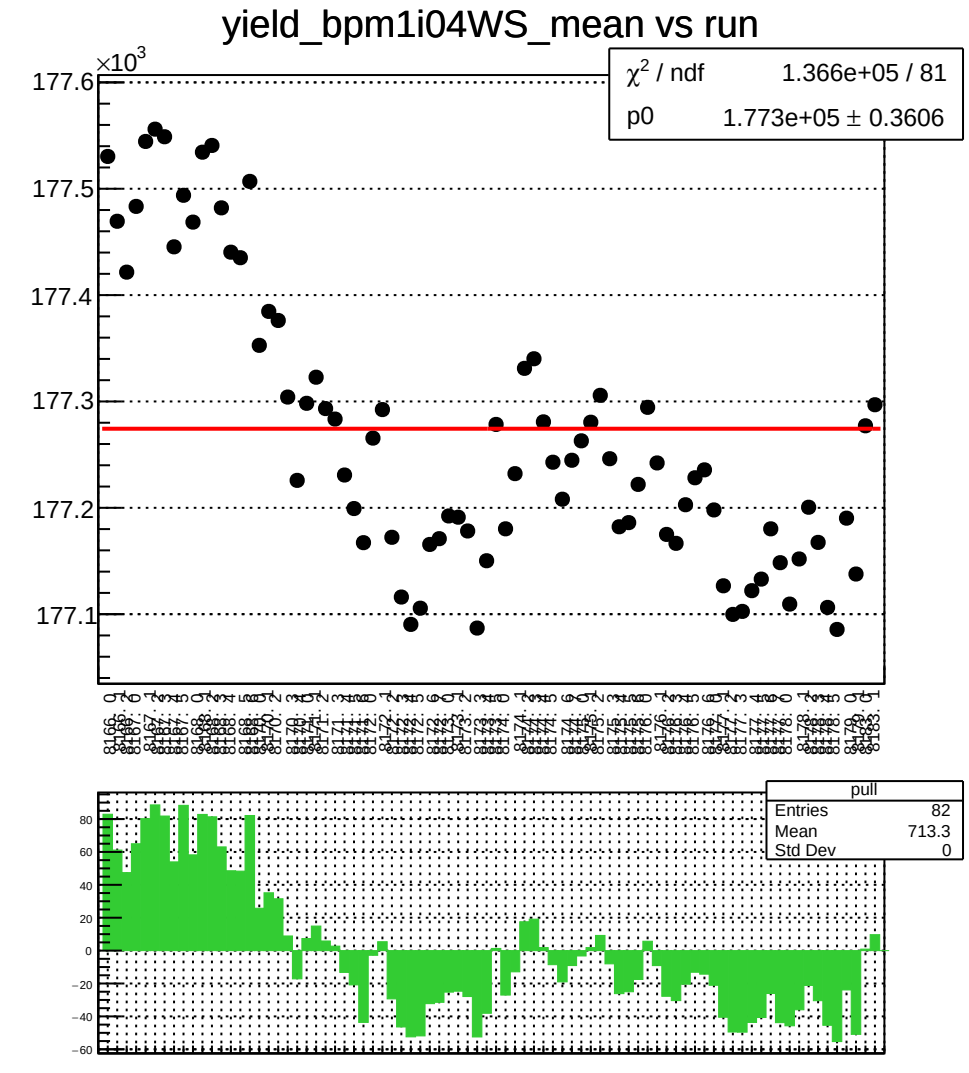

pull1D
Entries 82
Mean 0.1822
Std Dev 0.2116

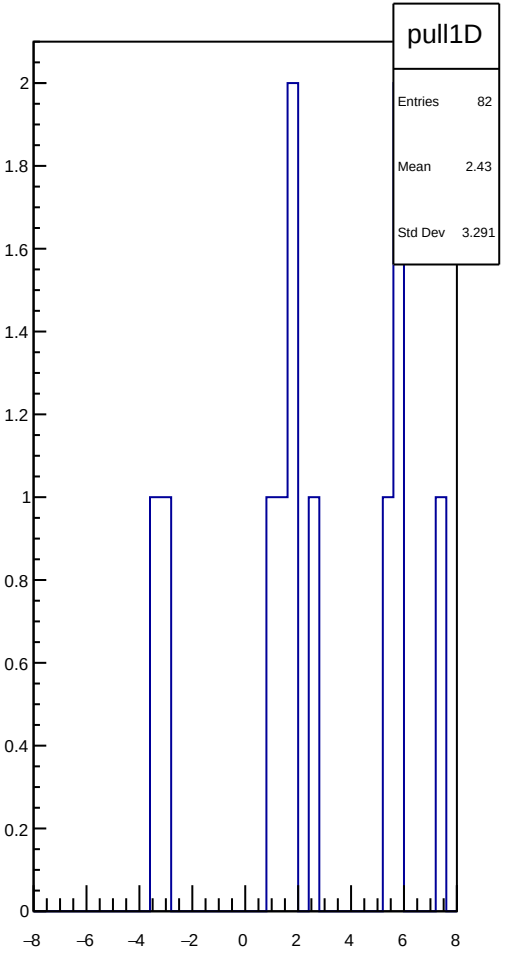

yield_bpm0i07WS_rms vs run
χ² / ndf 6.493e+04 / 81
p0 24.2 ± 0.01964
250
200
150
100
50

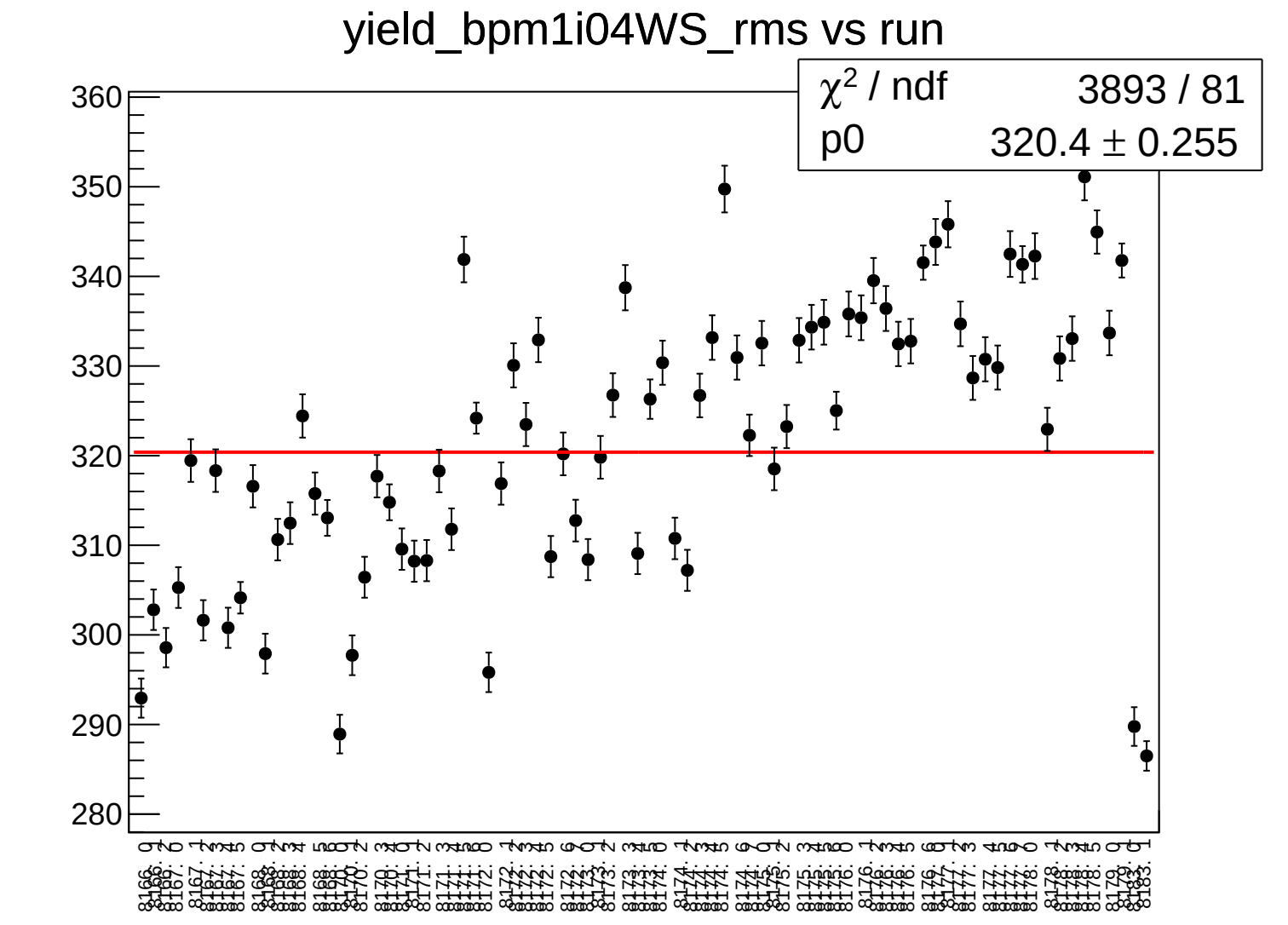

yield_bpm1i02WS_mean vs run
×10^3
χ^2 / ndf 5.056e+04 / 81
p0 1.747e+05 ± 0.3507
175
174.95
174.9
174.85
174.8
174.75
174.7
174.65
174.6
pull
Entries 82
Mean −212.3
Std Dev 0
80
60
40
20
0
−20
−40

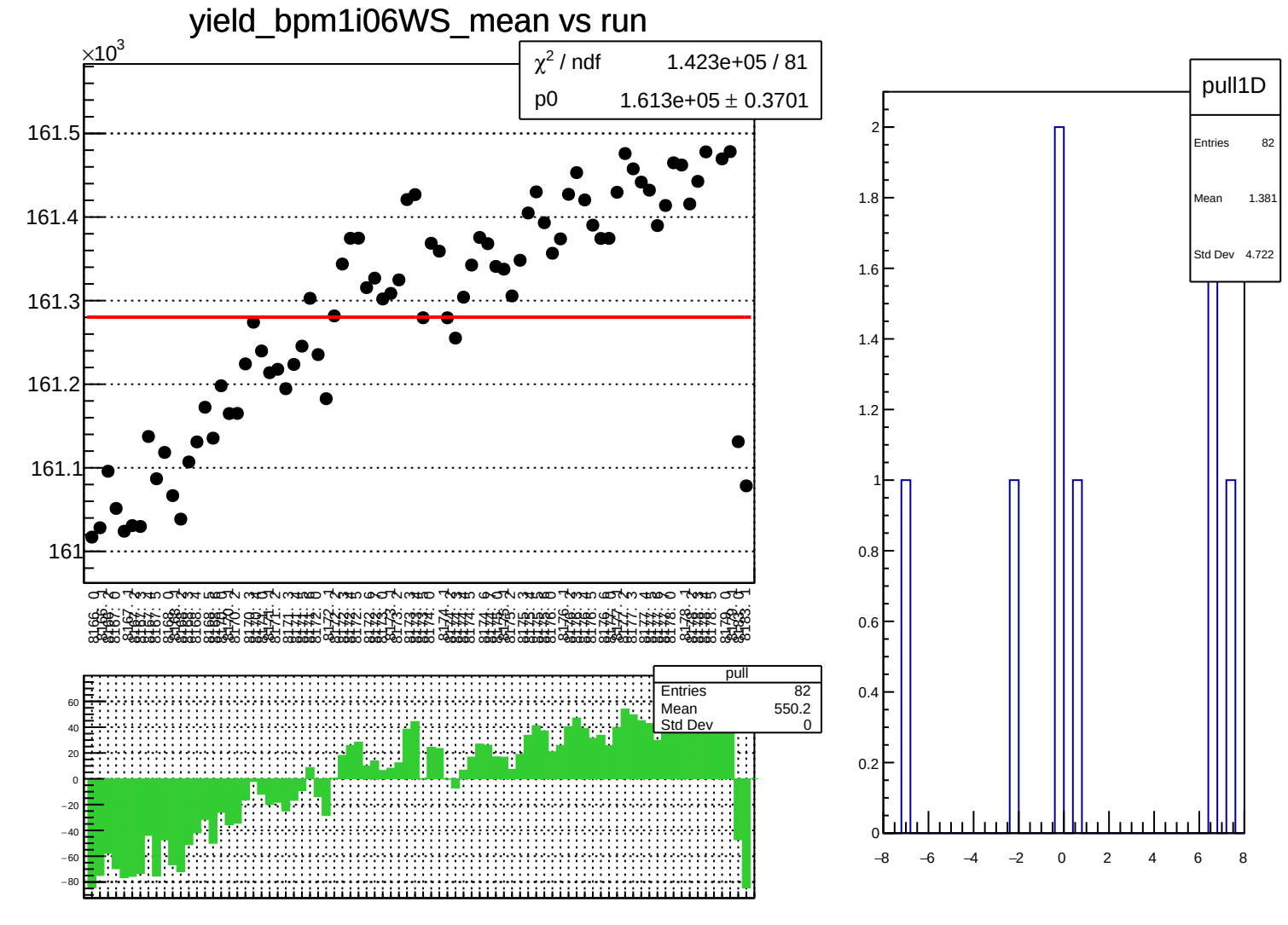

pull1D
Entries 82
Mean −2.11
Std Dev 4.032
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

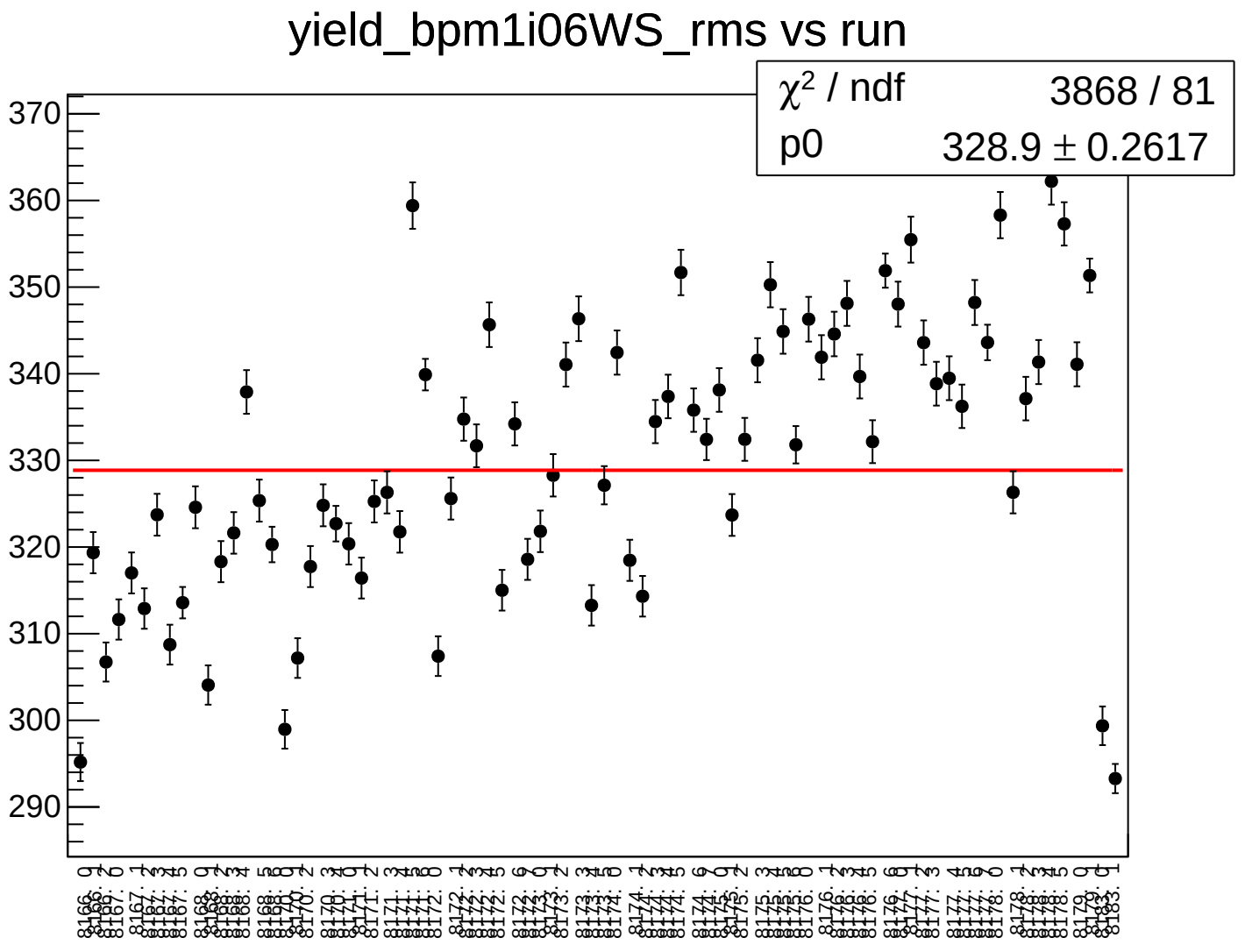

yield_bpm1i02WS_rms vs run
χ^2 / ndf 2633 / 81
p0 311.8 ± 0.248
340
330
320
310
300
290
280

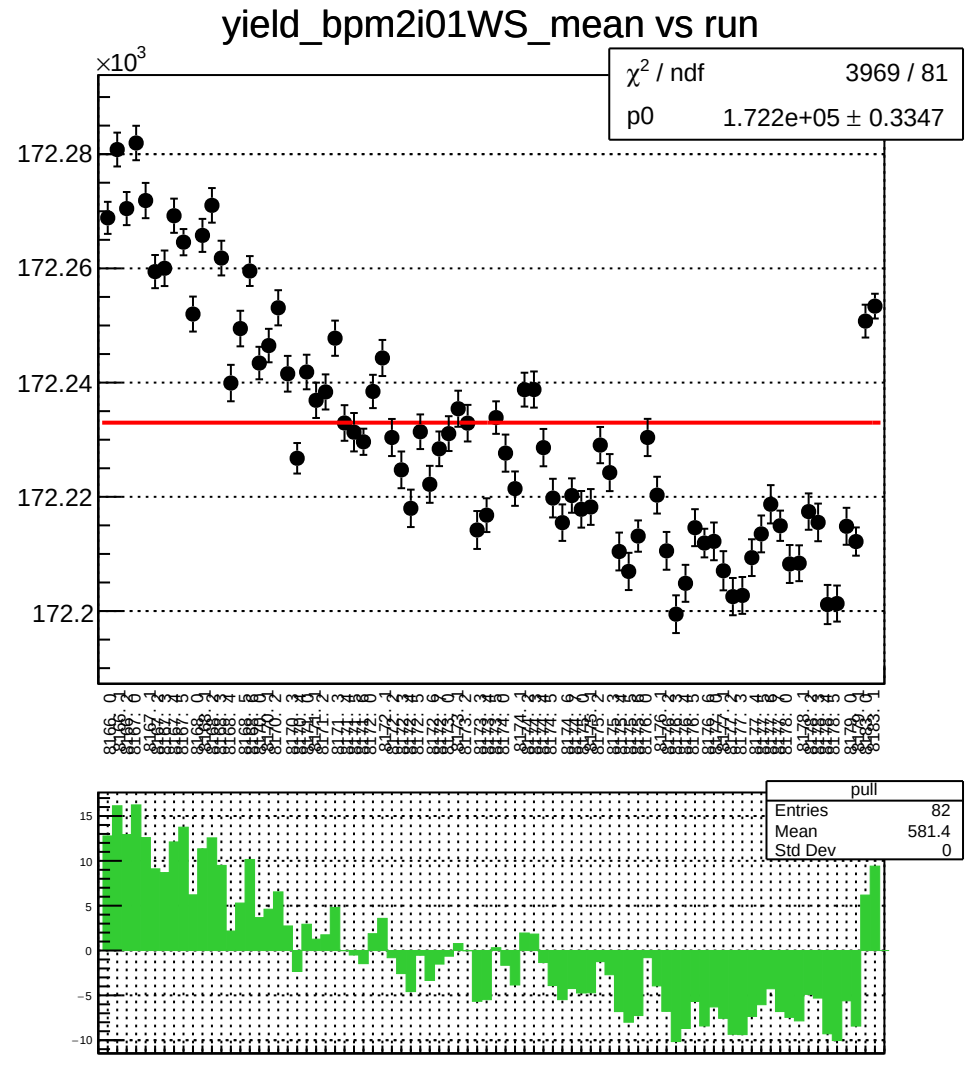

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.366e+05 / 81
p0 1.773e+05 ± 0.3606
177.6
177.5
177.4
177.3
177.2
177.1
pull
Entries 82
Mean 713.3
Std Dev 0
80
60
40
20
0
−20
−40
−60

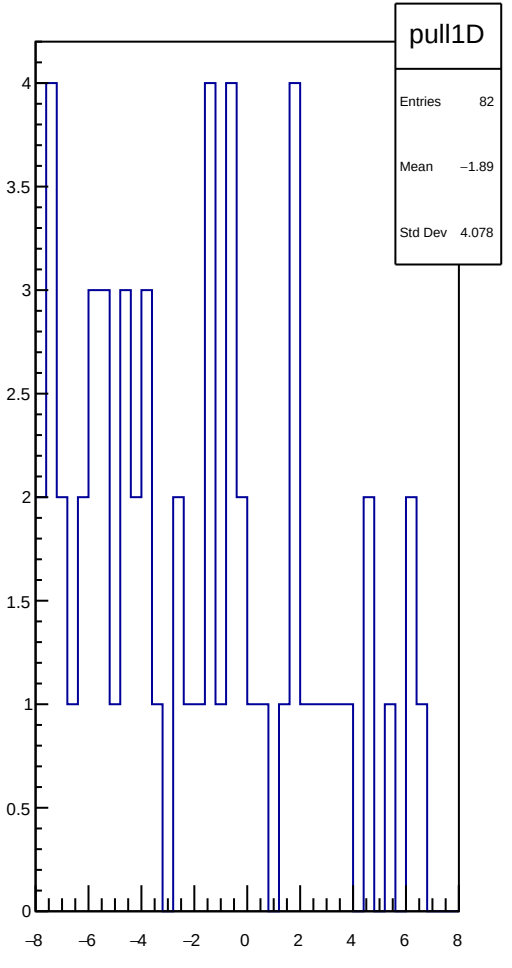

pull1D
Entries 82
Mean 2.43
Std Dev 3.291
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

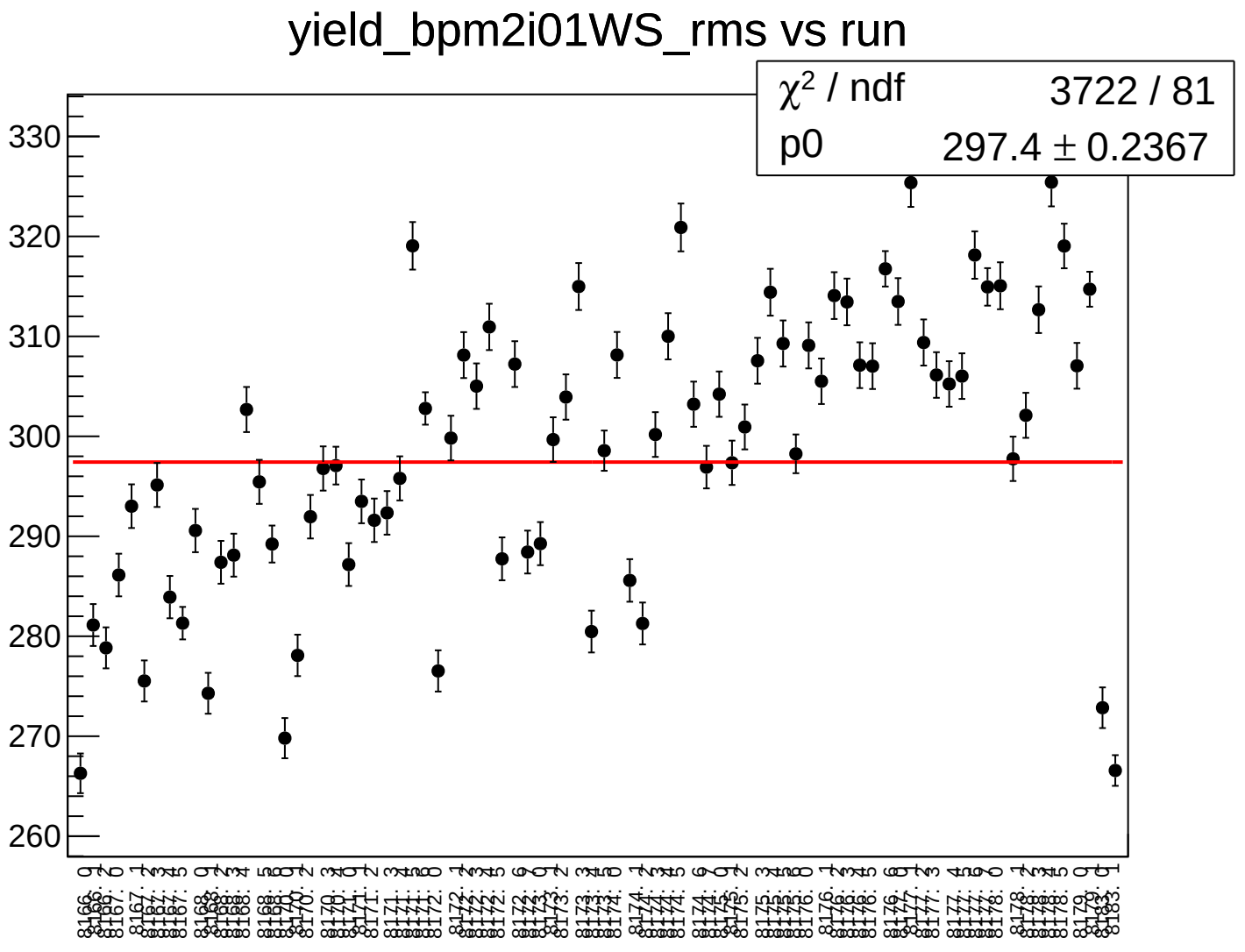

yield_bpm1i04WS_rms vs run
χ² / ndf 3893 / 81
p0 320.4 ± 0.255
360
350
340
330
320
310
300
290
280

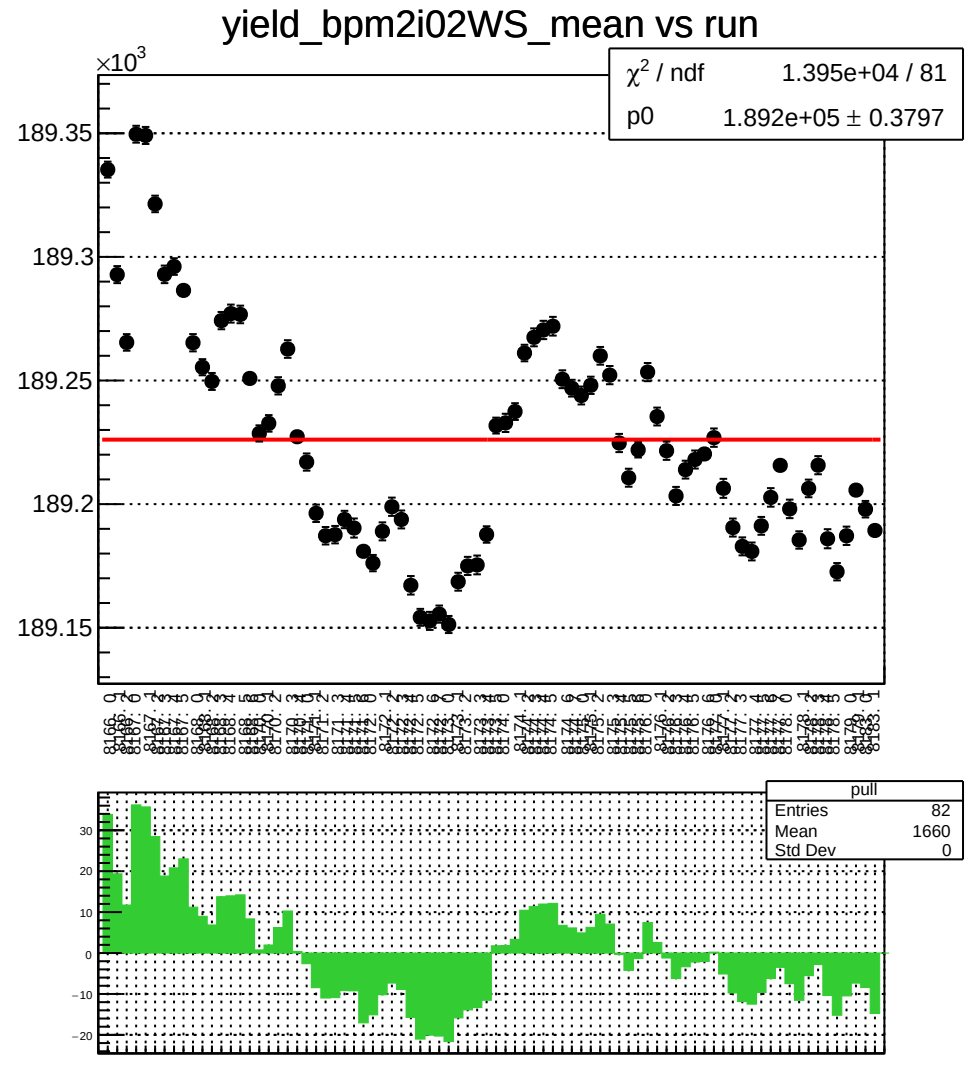

yield_bpm1i06WS_mean vs run
×10^3
χ^2 / ndf 1.423e+05 / 81
p0 1.613e+05 ± 0.3701
161.5
161.4
161.3
161.2
161.1
161
pull
Entries 82
Mean 550.2
Std Dev 0
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 82
Mean 1.381
Std Dev 4.722
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

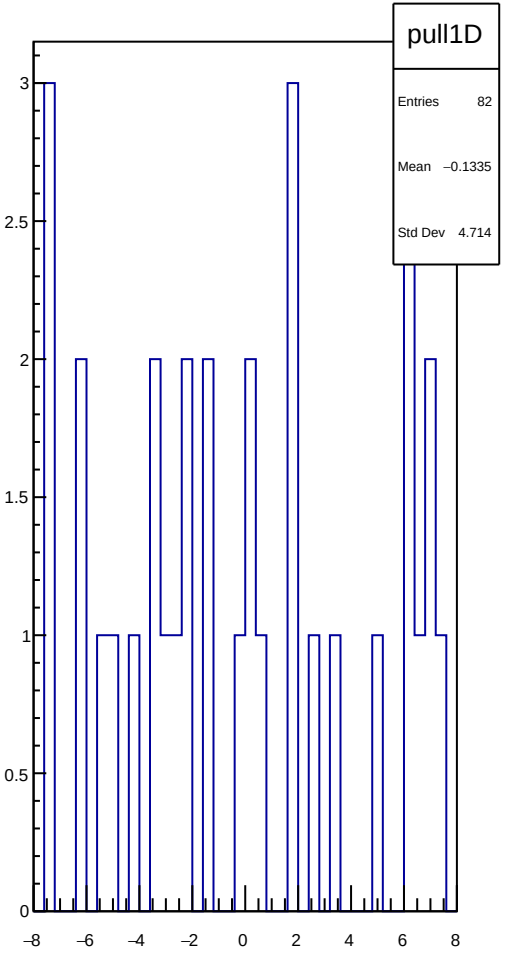

yield_bpm1i06WS_rms vs run
χ² / ndf 3868 / 81
p0 328.9 ± 0.2617
370
360
350
340
330
320
310
300
290

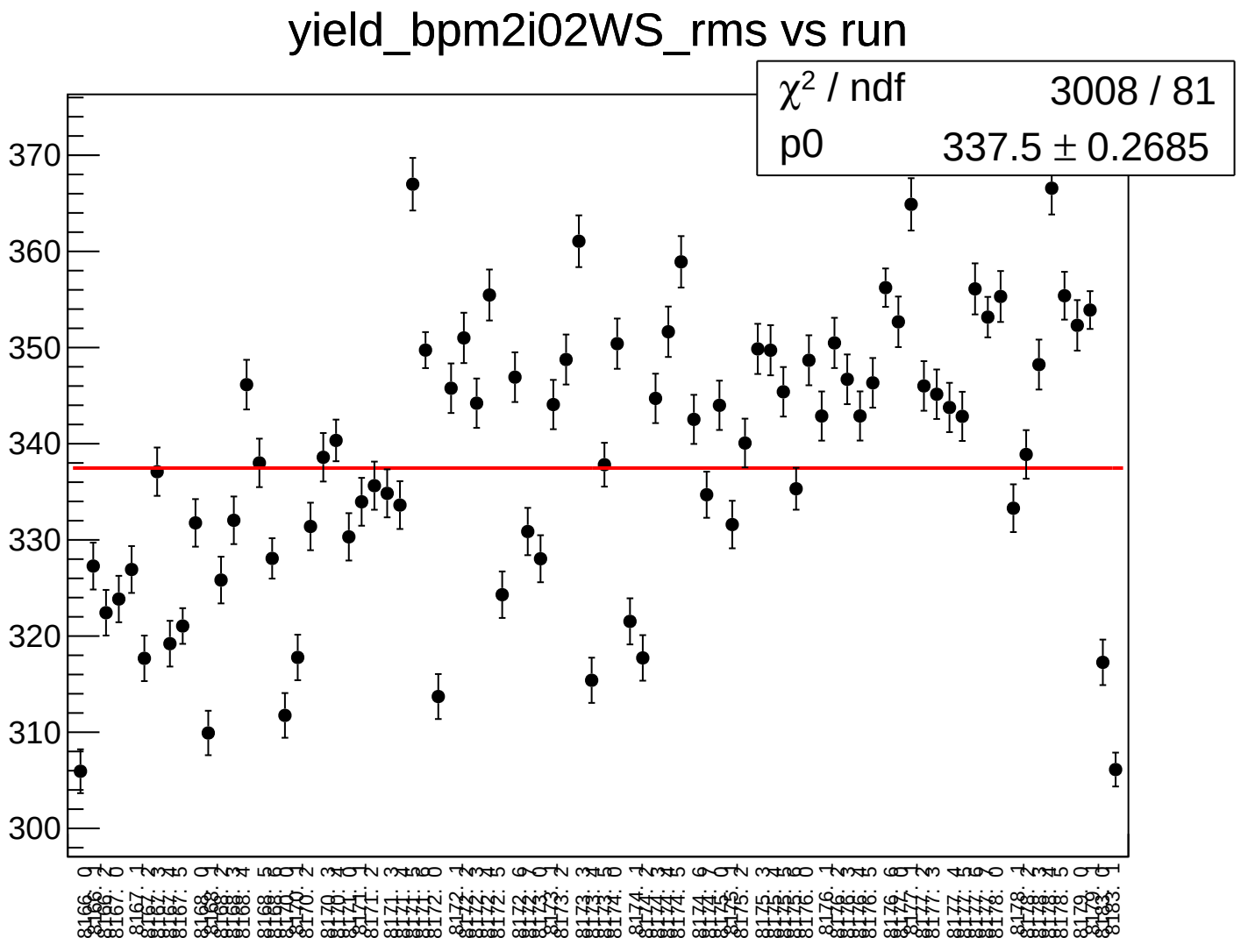

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 3969 / 81
p0 1.722e+05 ± 0.3347
172.28
172.26
172.24
172.22
172.2
pull
Entries 82
Mean 581.4
Std Dev 0
15
10
5
0
−5
−10

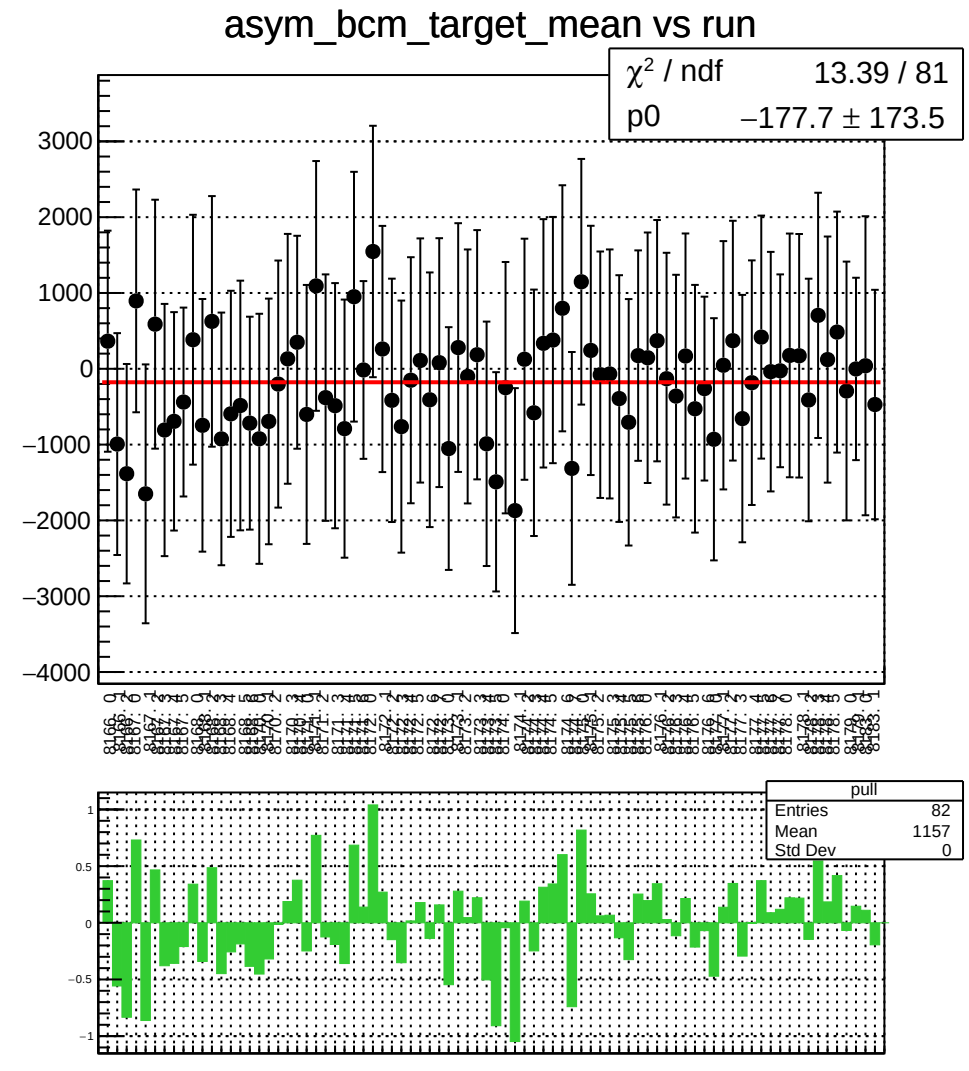

pull1D
Entries 82
Mean −1.89
Std Dev 4.078
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

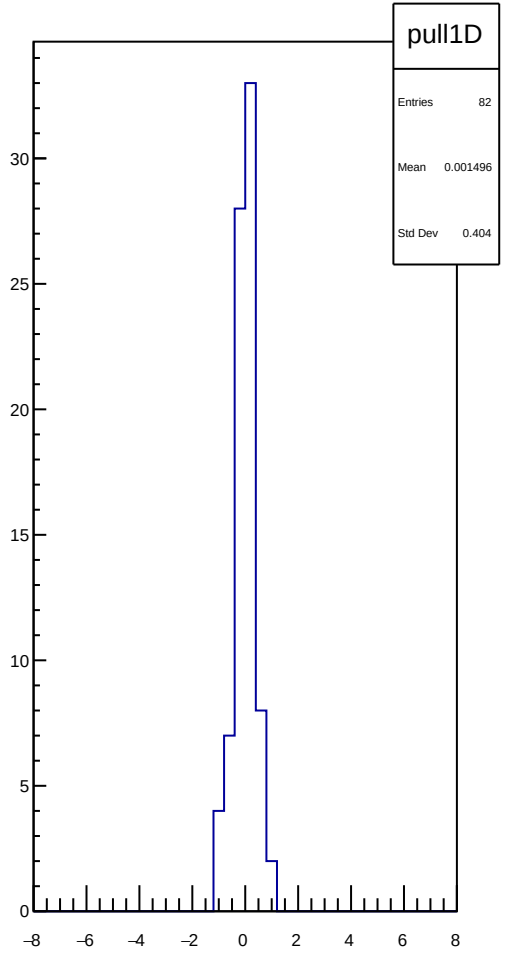

yield_bpm2i01WS_rms vs run
χ² / ndf 3722 / 81
p0 297.4 ± 0.2367
330
320
310
300
290
280
270
260

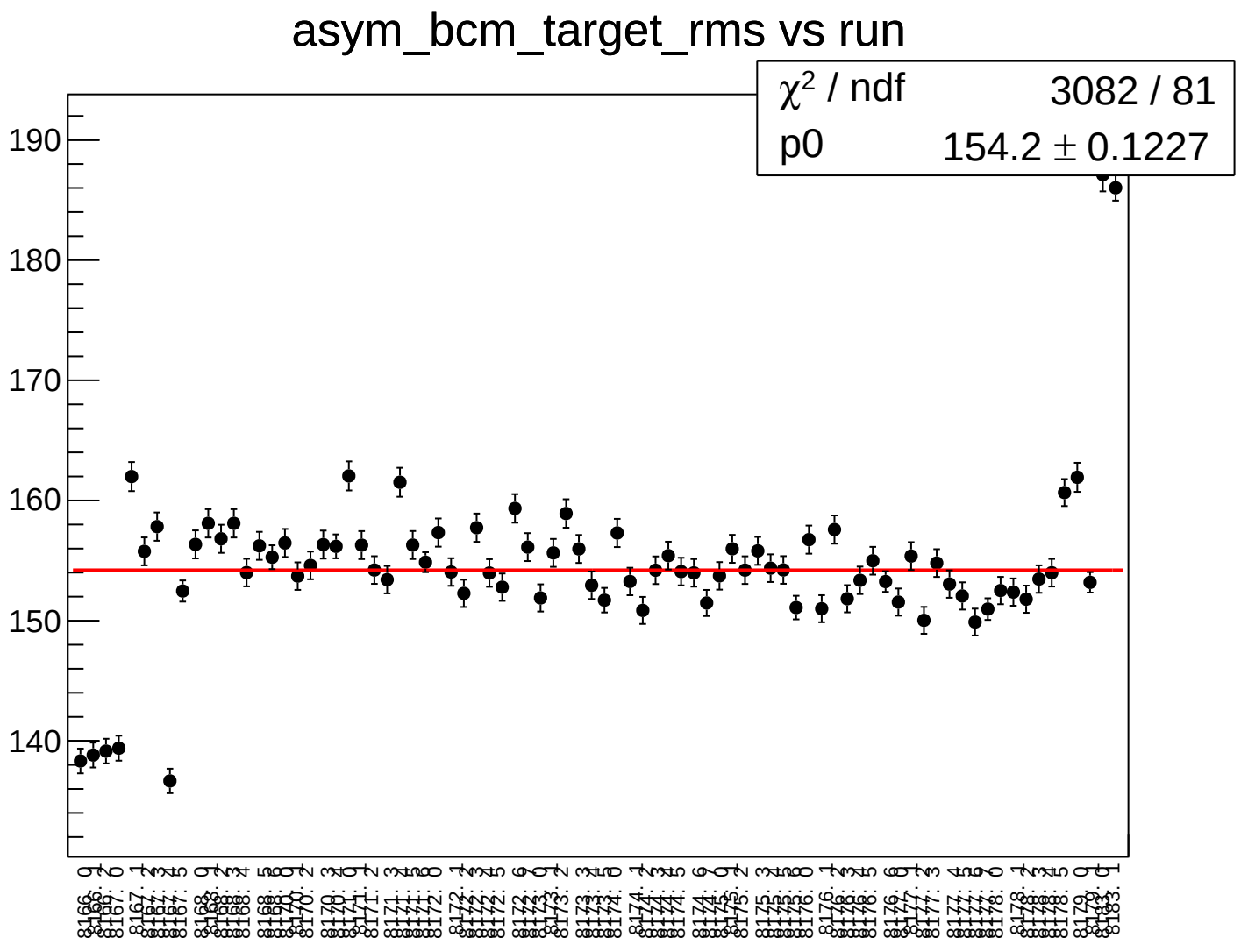

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 1.395e+04 / 81
p0 1.892e+05 ± 0.3797
189.35
189.3
189.25
189.2
189.15
pull
Entries 82
Mean 1660
Std Dev 0
30
20
10
0
−10
−20

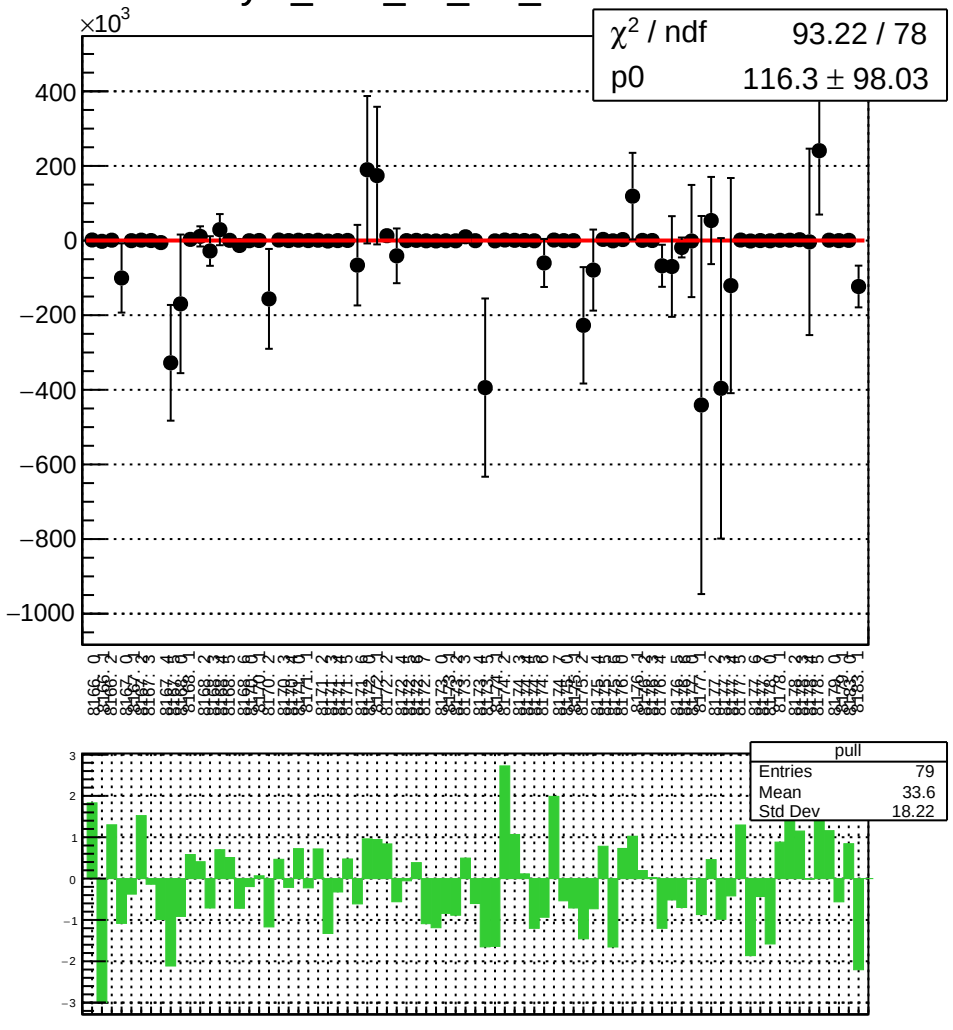

pull1D
Entries 82
Mean −0.1335
Std Dev 4.714
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

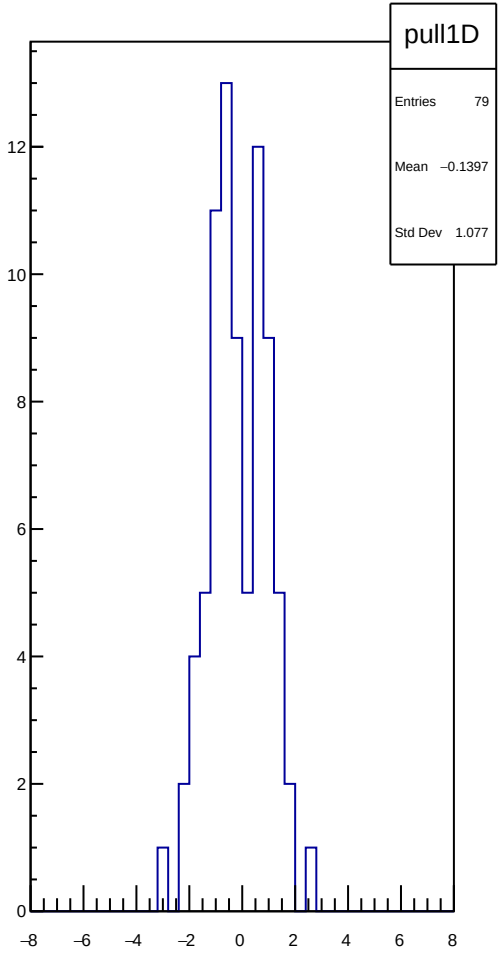

yield_bpm2i02WS_rms vs run
χ² / ndf 3008 / 81
p0 337.5 ± 0.2685
370
360
350
340
330
320
310
300

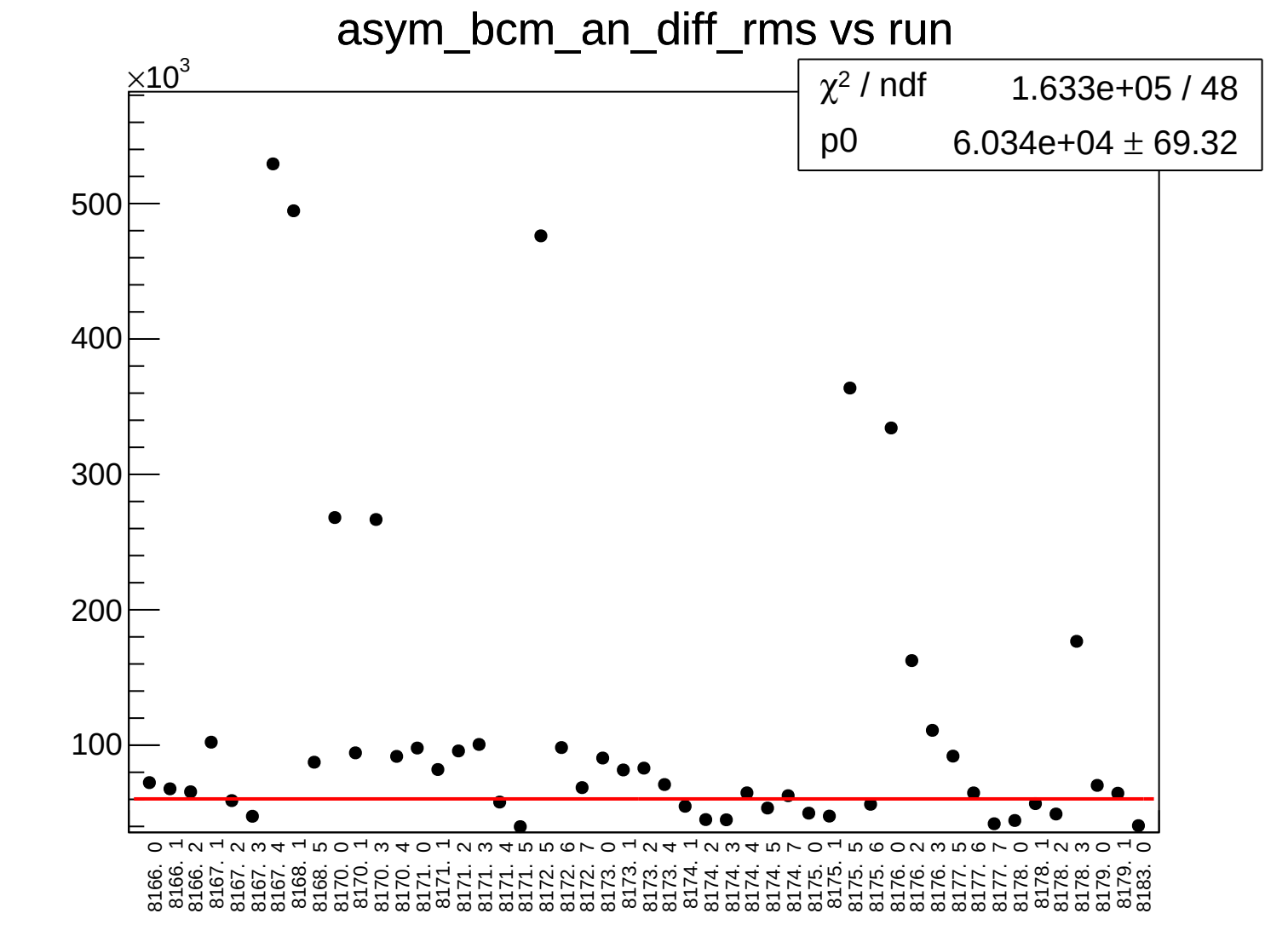

asym_bcm_target_mean vs run
χ² / ndf 13.39 / 81
p0 −177.7 ± 173.5
pull
Entries 82
Mean 1157
Std Dev 0

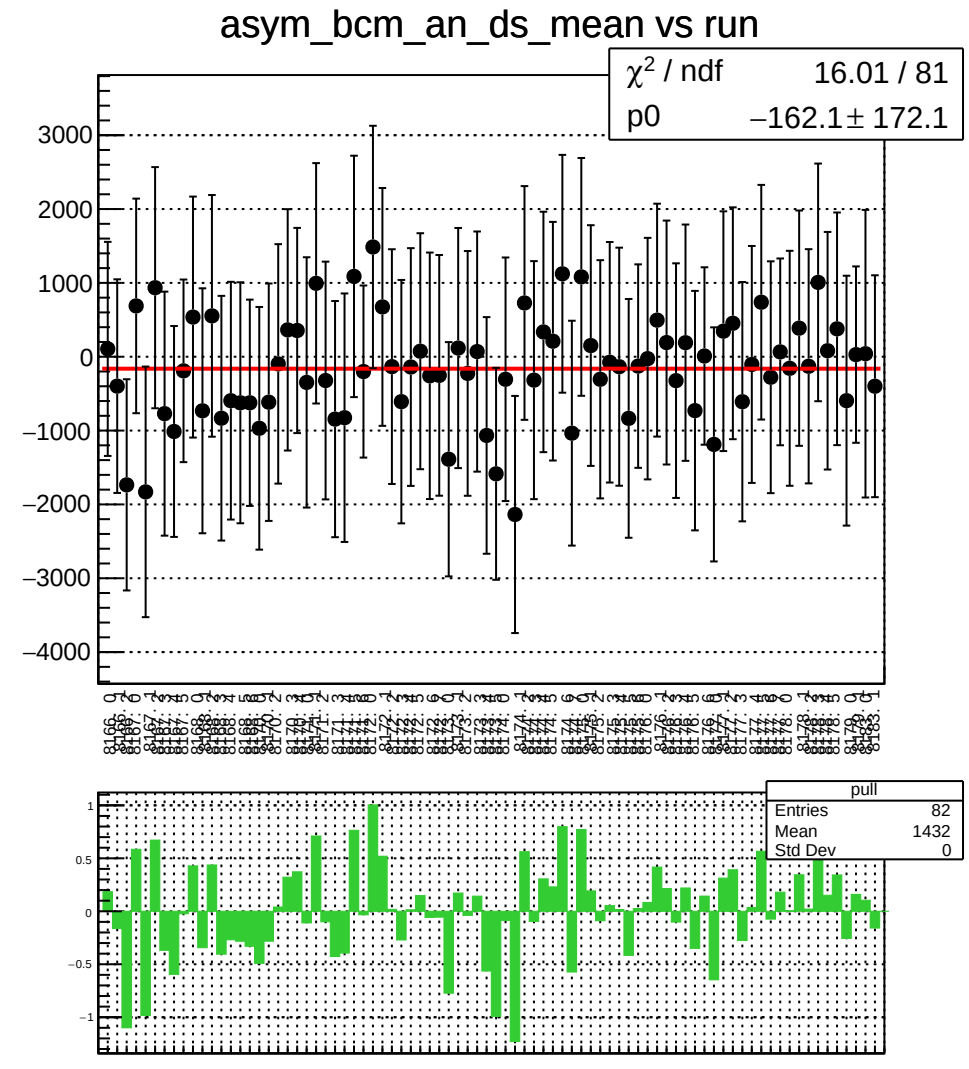

pull1D
Entries 82
Mean 0.001496
Std Dev 0.404

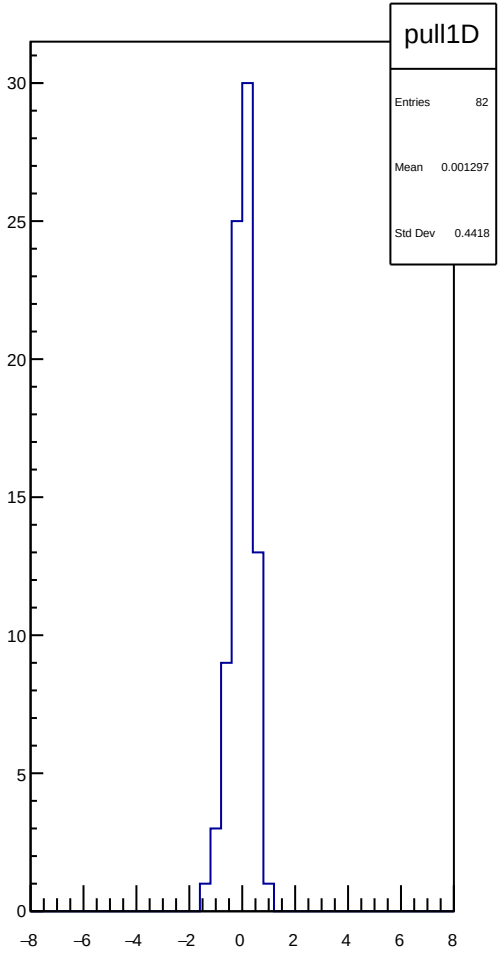

asym_bcm_target_rms vs run
χ² / ndf 3082 / 81
p0 154.2 ± 0.1227
190
180
170
160
150
140

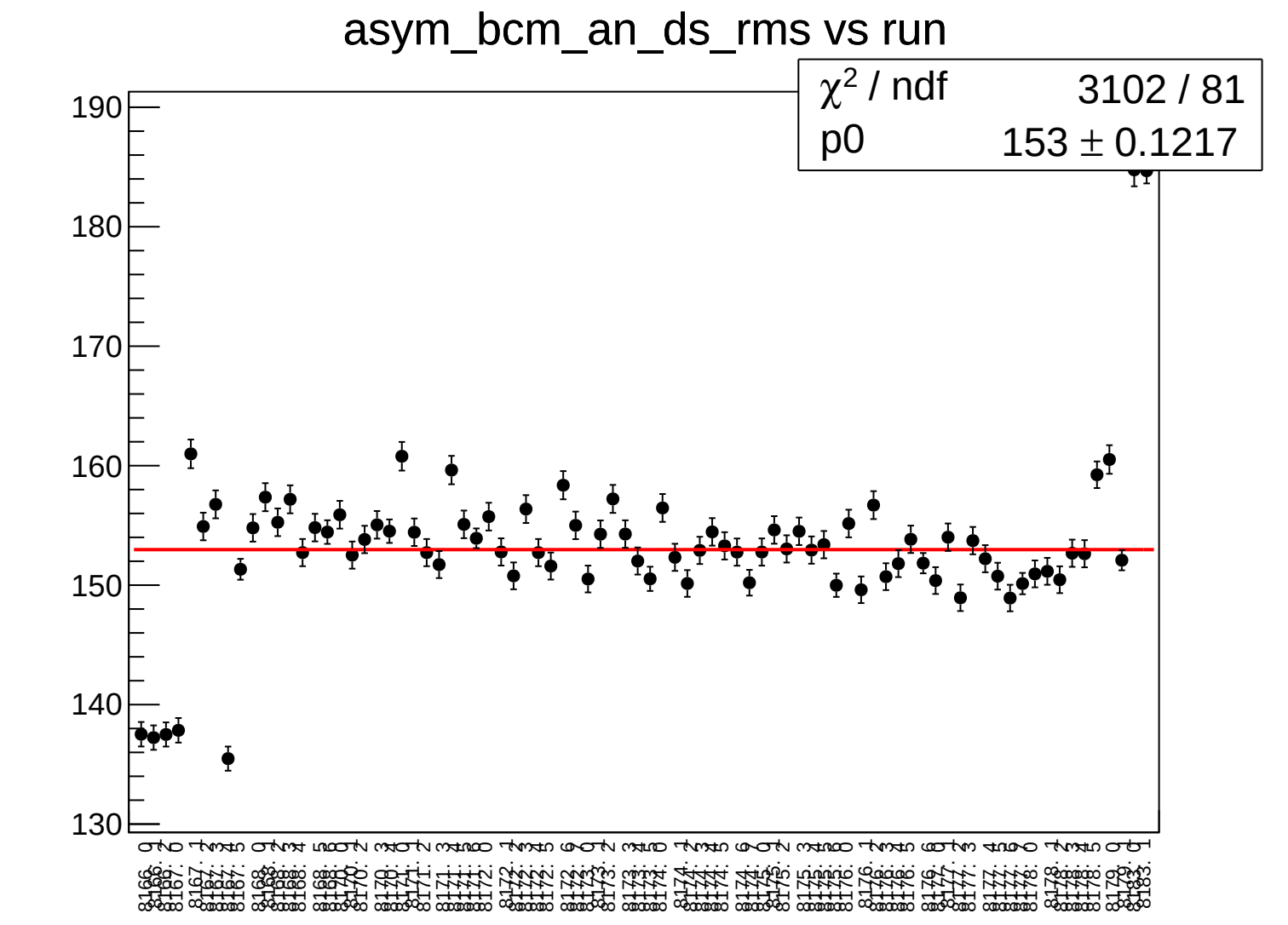

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 93.22 / 78
p0 116.3 ± 98.03
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 79
Mean 33.6
Std Dev 18.22
3
2
1
0
−1
−2
−3

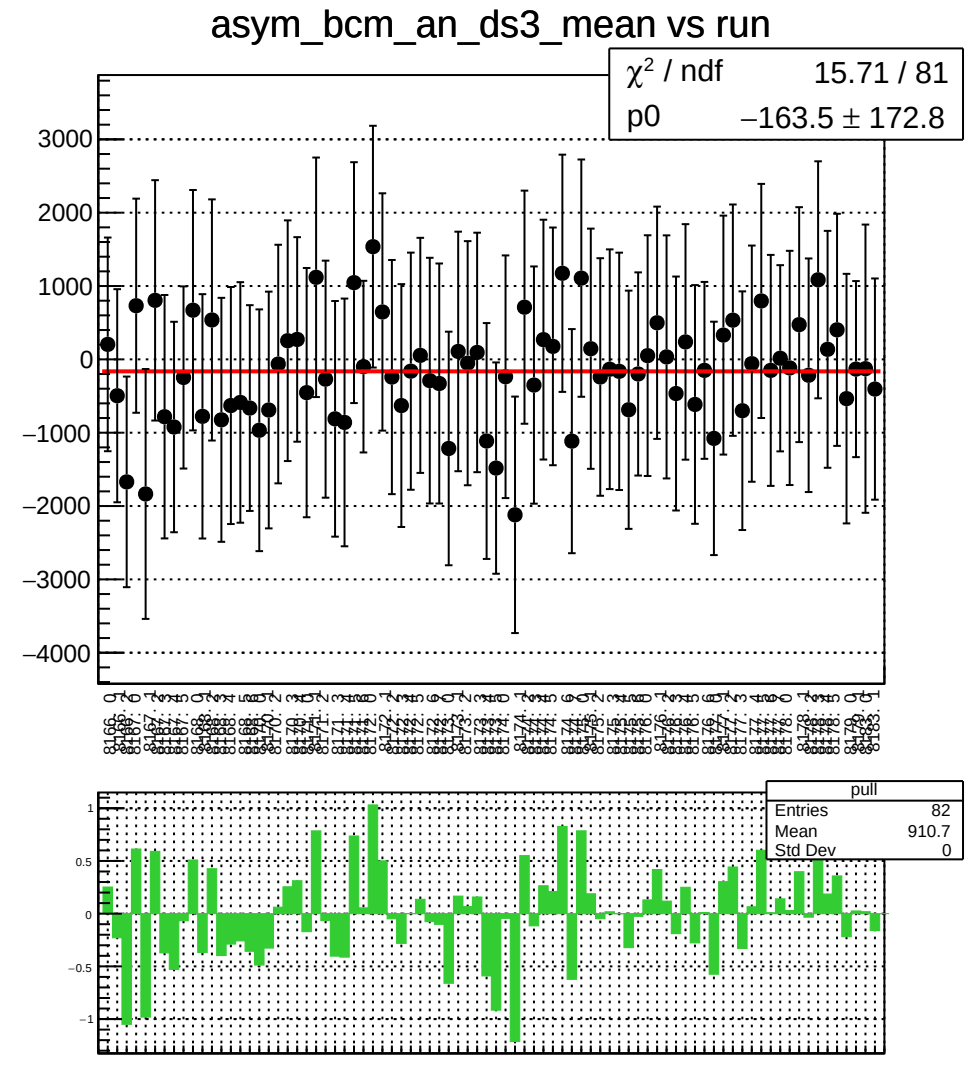

pull1D
Entries 79
Mean −0.1397
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

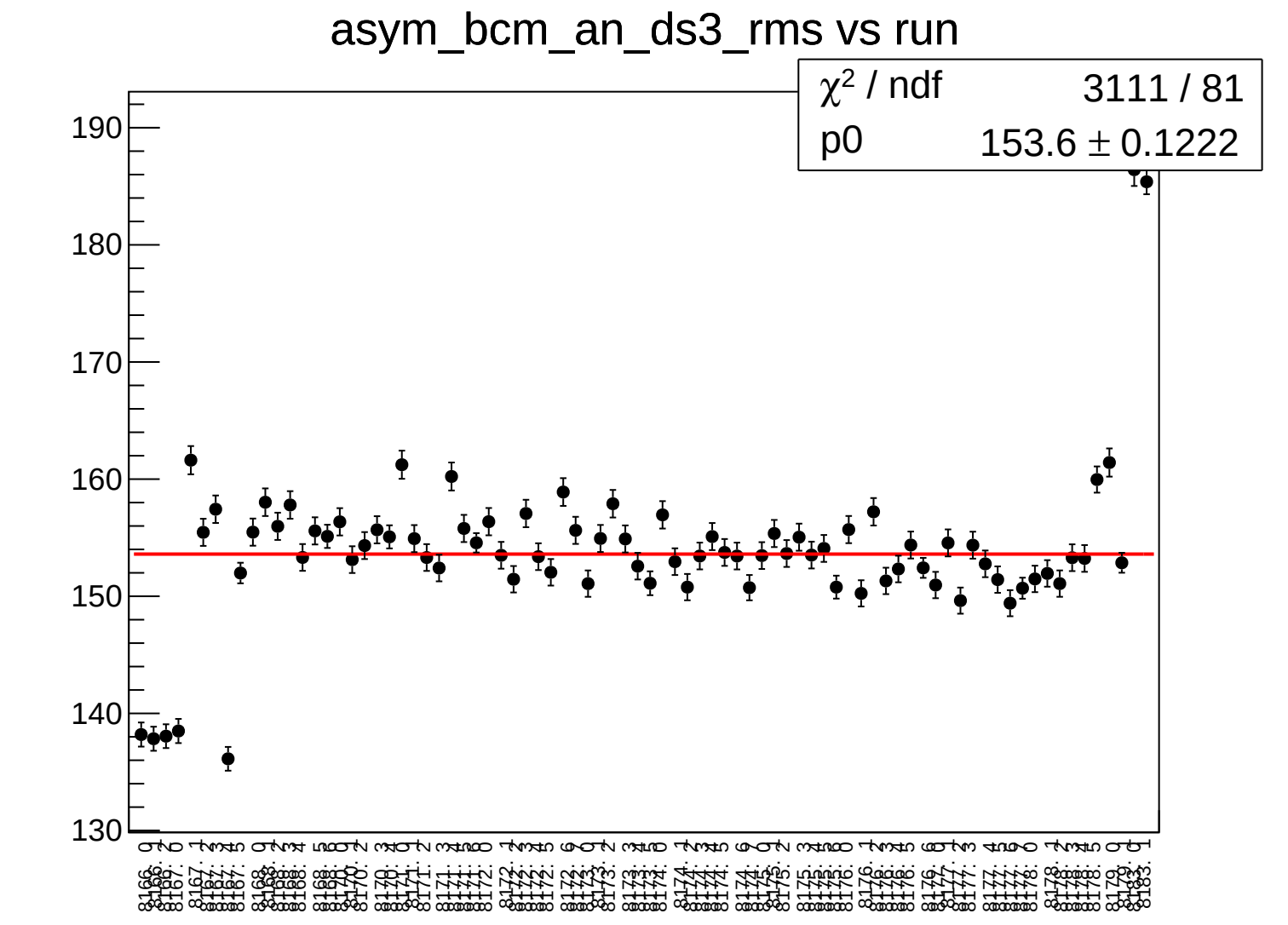

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 1.633e+05 / 48
p0 6.034e+04 ± 69.32
500
400
300
200
100
8166. 0
8166. 1
8166. 2
8167. 1
8167. 2
8167. 3
8167. 4
8168. 1
8168. 5
8170. 0
8170. 1
8170. 3
8170. 4
8171. 0
8171. 1
8171. 2
8171. 3
8171. 4
8171. 5
8172. 5
8172. 6
8172. 7
8173. 0
8173. 1
8173. 2
8173. 4
8174. 1
8174. 2
8174. 3
8174. 4
8174. 5
8174. 7
8175. 0
8175. 1
8175. 5
8175. 6
8176. 0
8176. 2
8176. 3
8177. 5
8177. 6
8177. 7
8178. 0
8178. 1
8178. 2
8178. 3
8179. 0
8179. 1
8183. 0

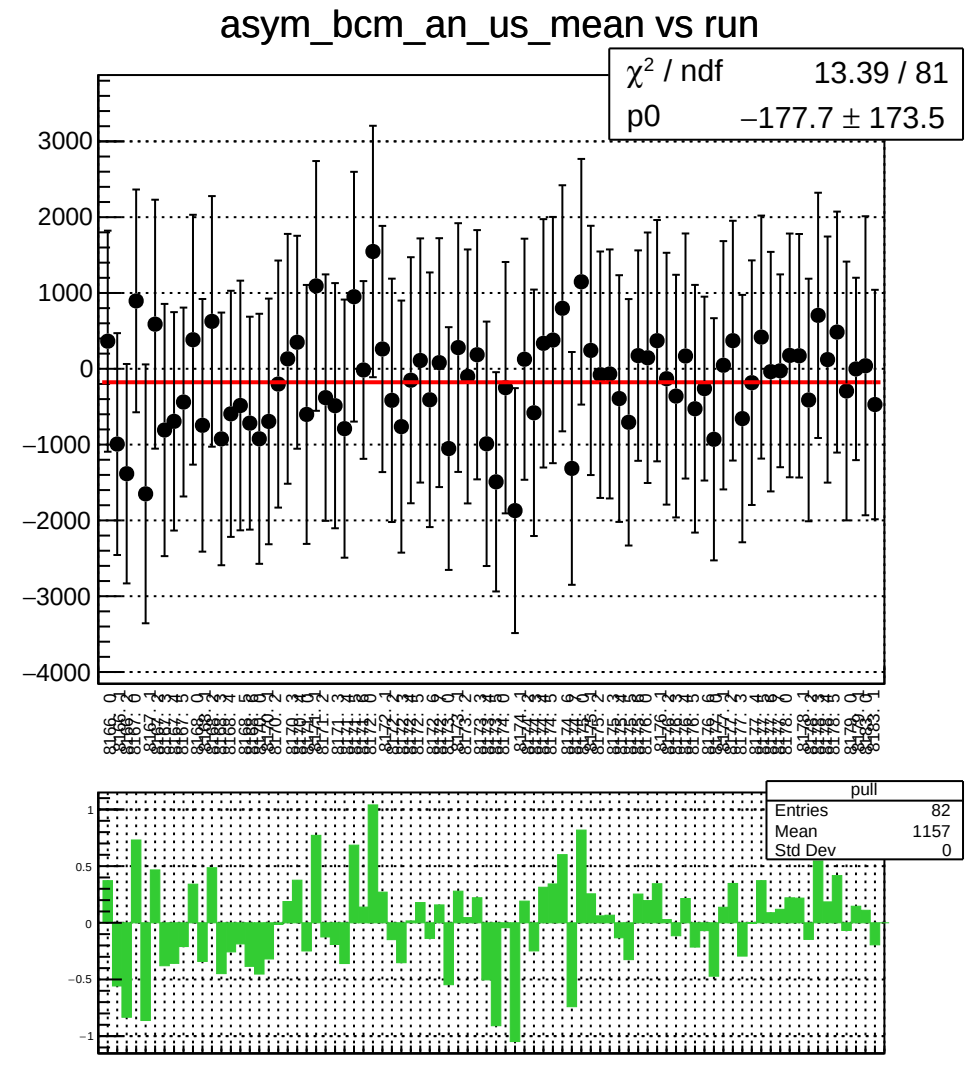

asym_bcm_an_ds_mean vs run
χ² / ndf 16.01 / 81
p0 −162.1 ± 172.1
pull
Entries 82
Mean 1432
Std Dev 0

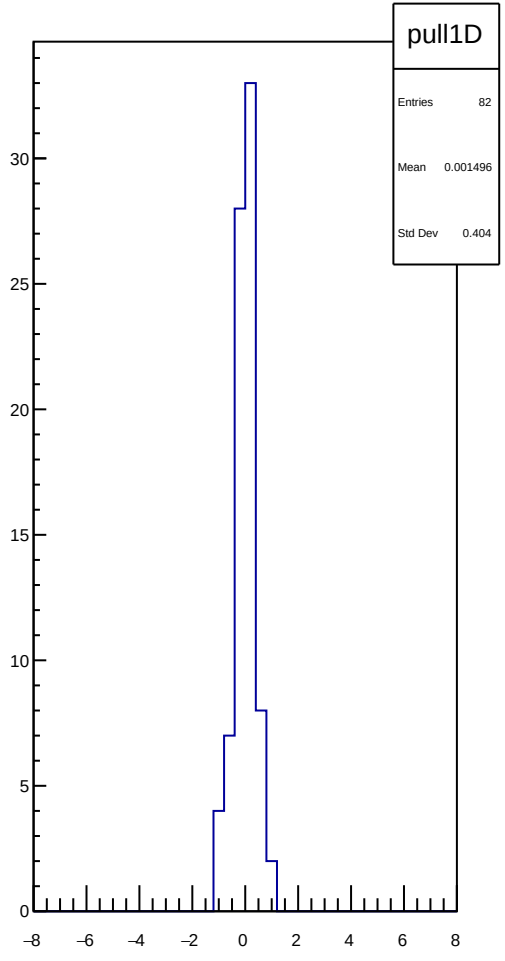

pull1D
Entries 82
Mean 0.001297
Std Dev 0.4418

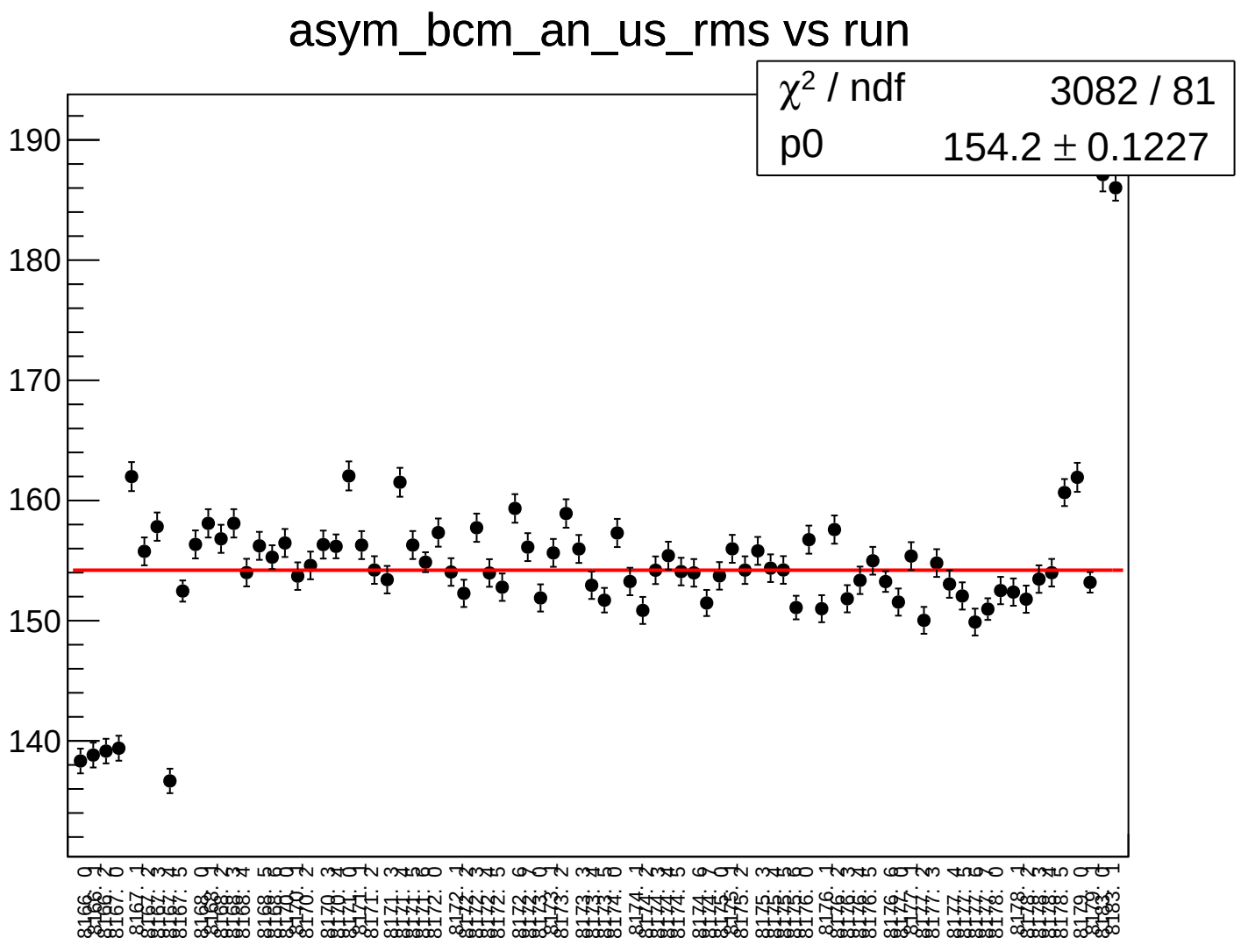

asym_bcm_an_ds_rms vs run
χ^2 / ndf 3102 / 81
p0 153 ± 0.1217
190
180
170
160
150
140
130

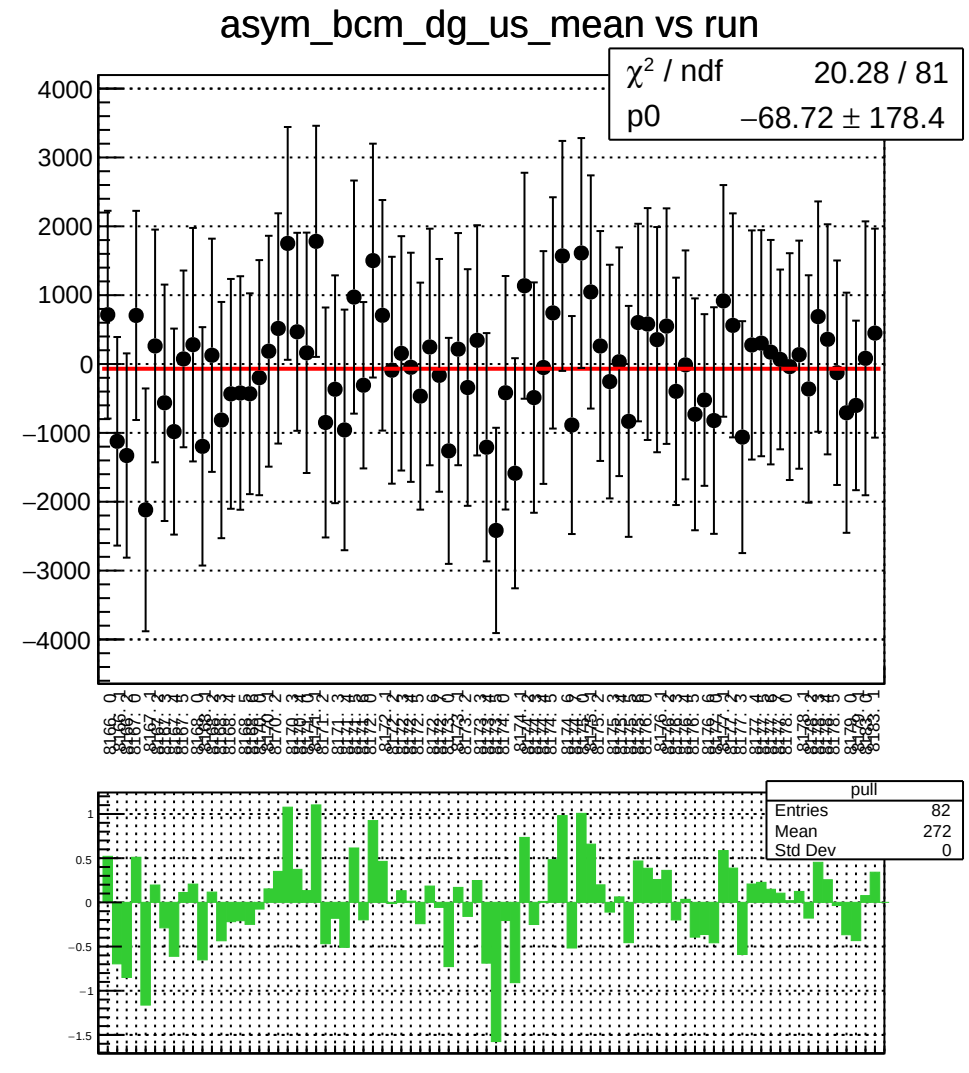

asym_bcm_an_ds3_mean vs run
χ² / ndf 15.71 / 81
p0 −163.5 ± 172.8
pull
Entries 82
Mean 910.7
Std Dev 0
pull1D
Entries 82
Mean 0.00204
Std Dev 0.4377

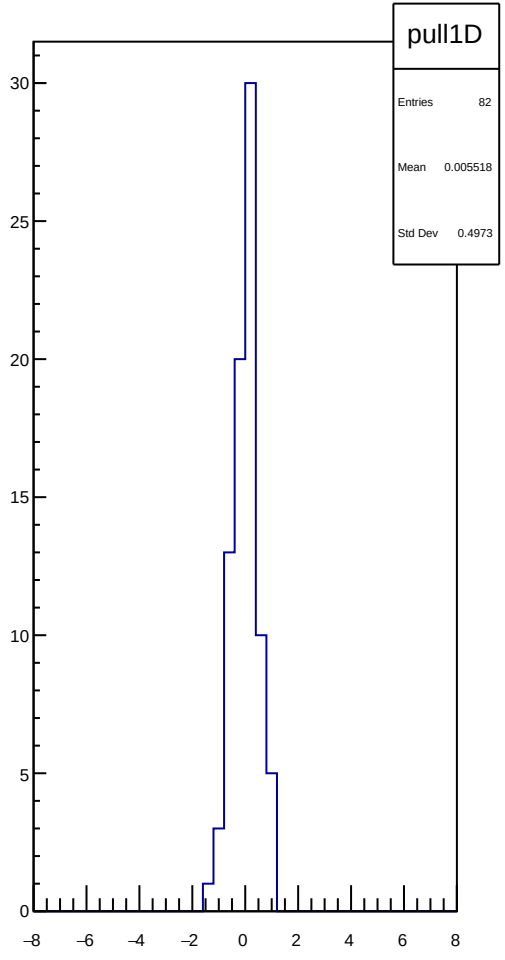

asym_bcm_an_ds3_rms vs run
χ² / ndf 3111 / 81
p0 153.6 ± 0.1222
190
180
170
160
150
140
130

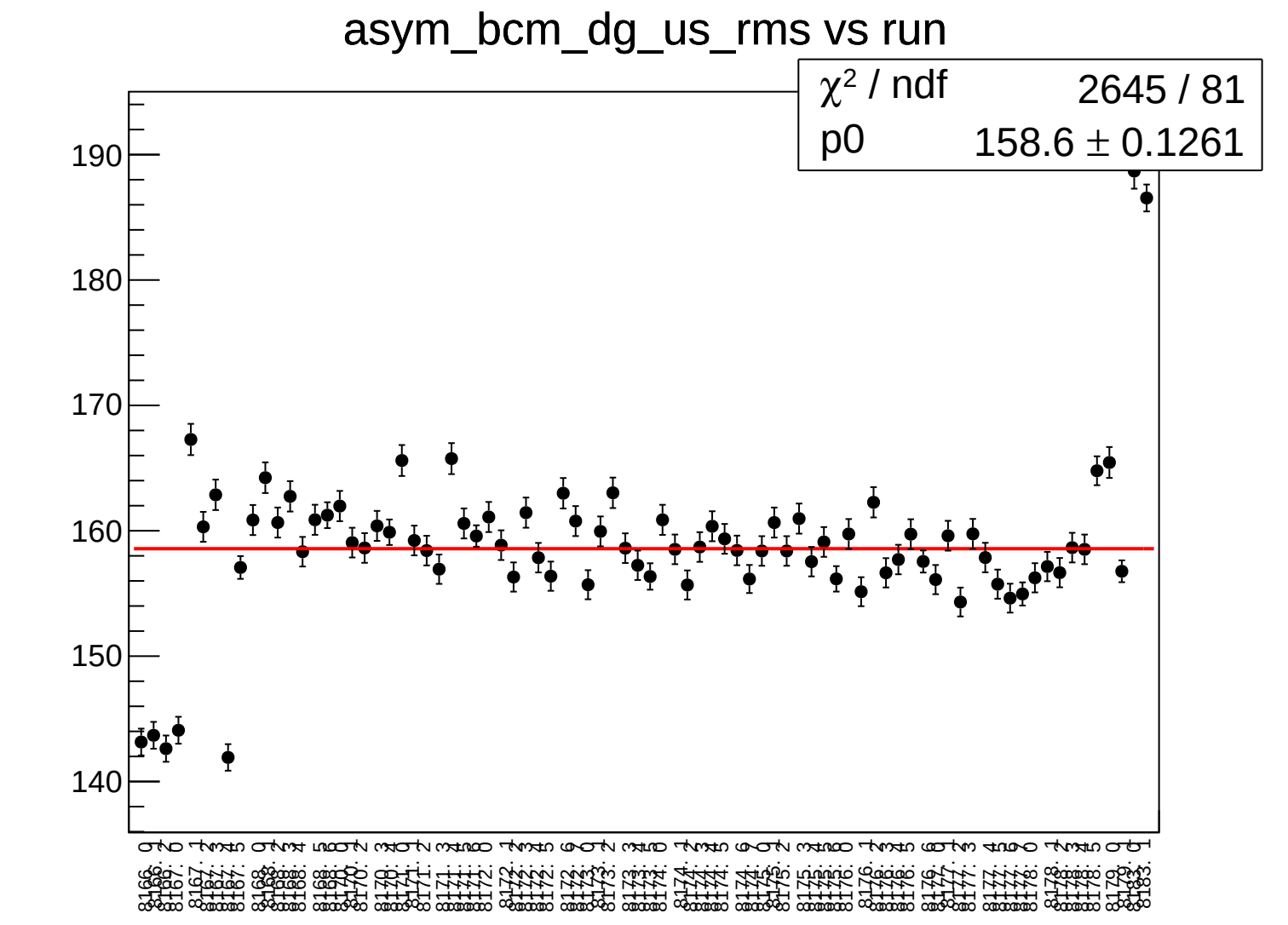

asym_bcm_an_us_mean vs run
χ² / ndf 13.39 / 81
p0 −177.7 ± 173.5
pull
Entries 82
Mean 1157
Std Dev 0

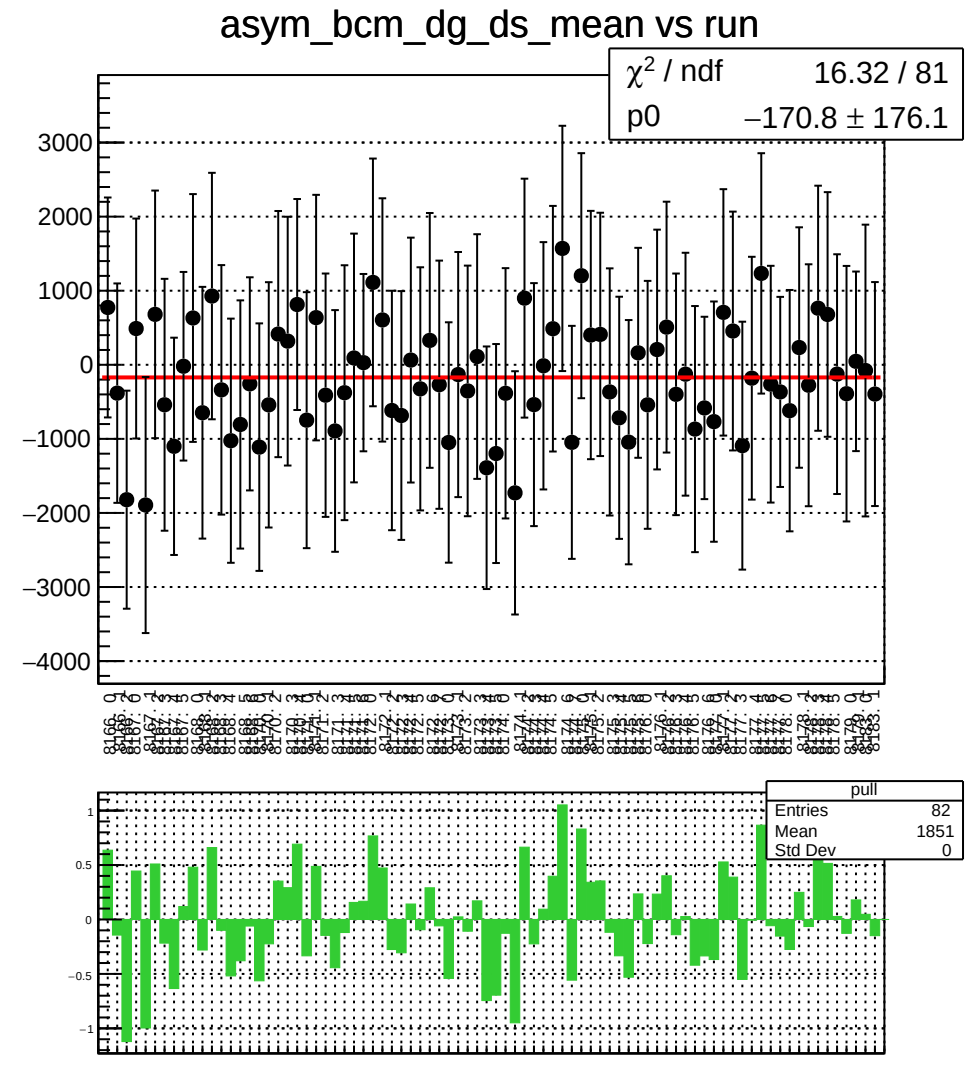

pull1D
Entries 82
Mean 0.001496
Std Dev 0.404

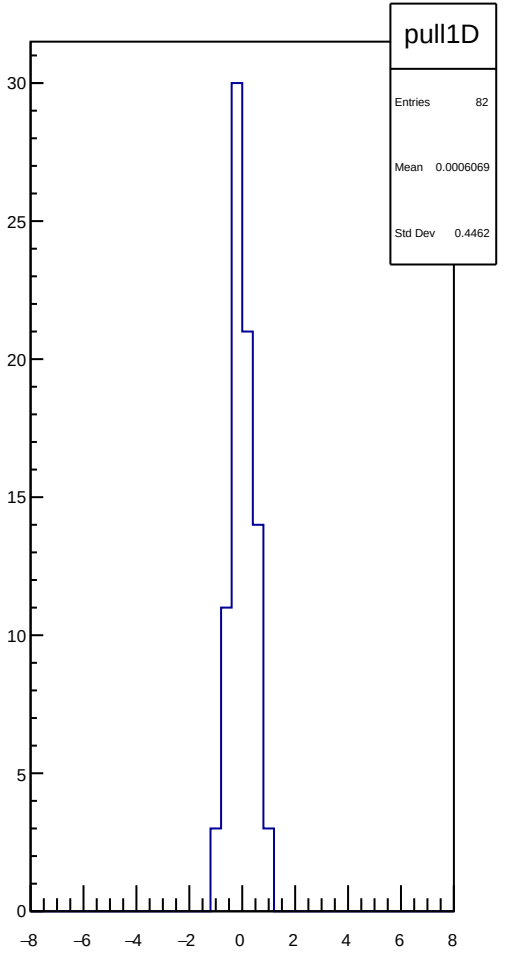

asym_bcm_an_us_rms vs run
χ² / ndf 3082 / 81
p0 154.2 ± 0.1227
190
180
170
160
150
140

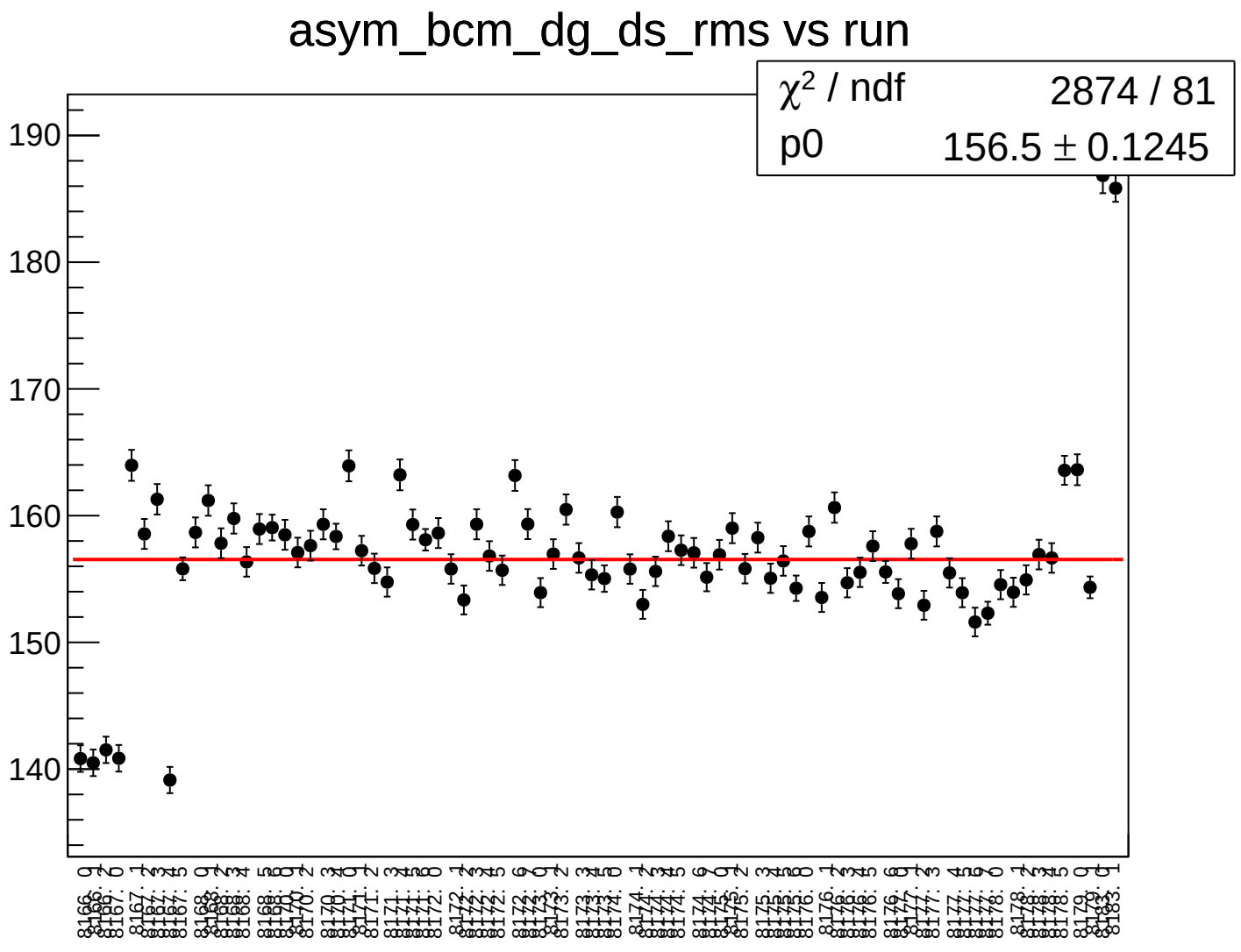

asym_bcm_dg_us_mean vs run
χ² / ndf 20.28 / 81
p0 −68.72 ± 178.4
pull
Entries 82
Mean 272
Std Dev 0

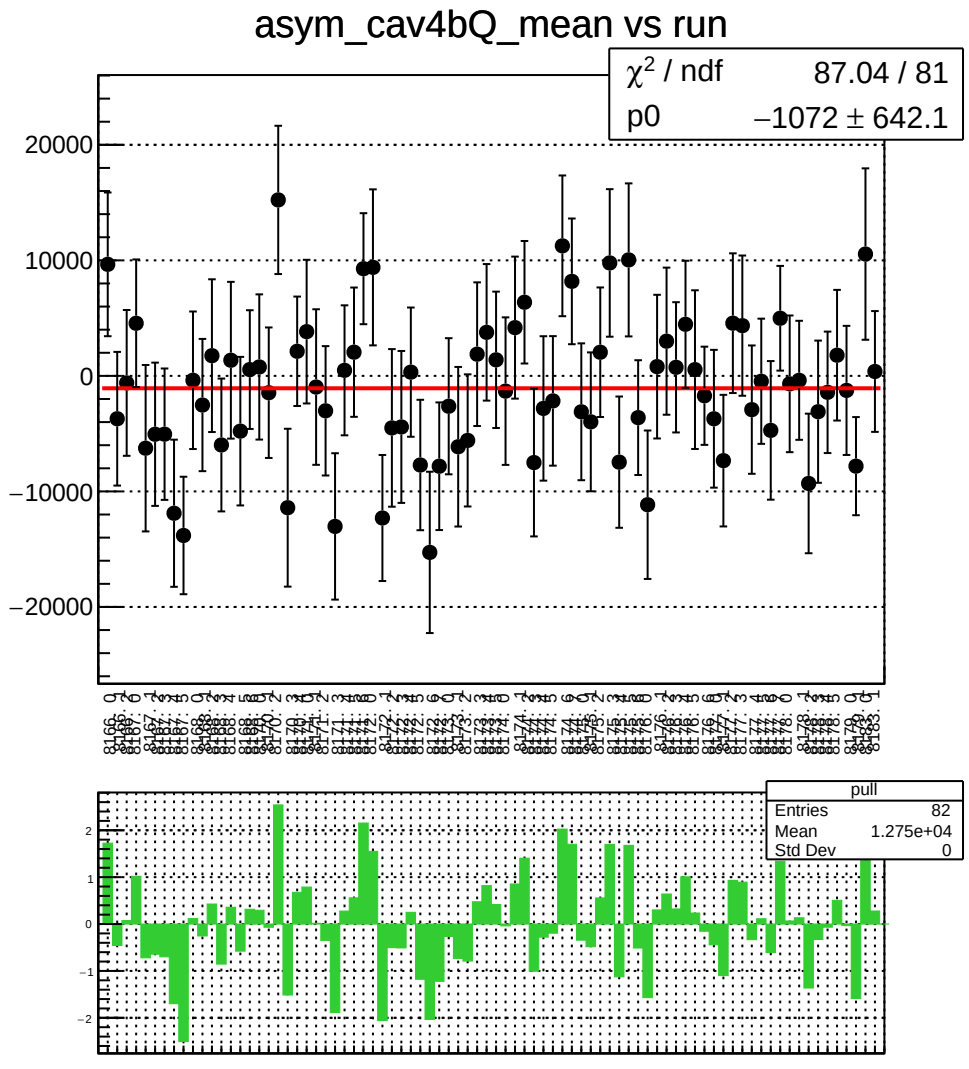

pull1D
Entries 82
Mean 0.005518
Std Dev 0.4973

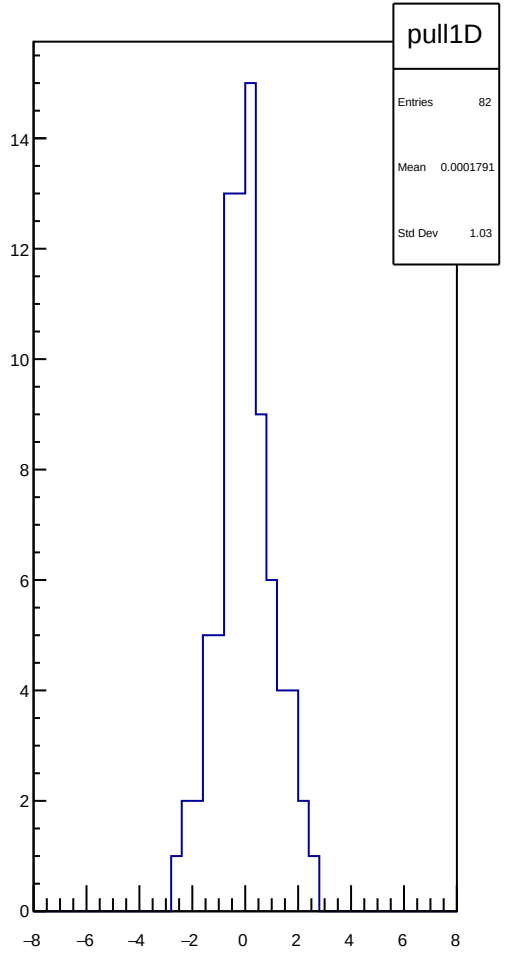

asym_bcm_dg_us_rms vs run
χ² / ndf 2645 / 81
p0 158.6 ± 0.1261
190
180
170
160
150
140

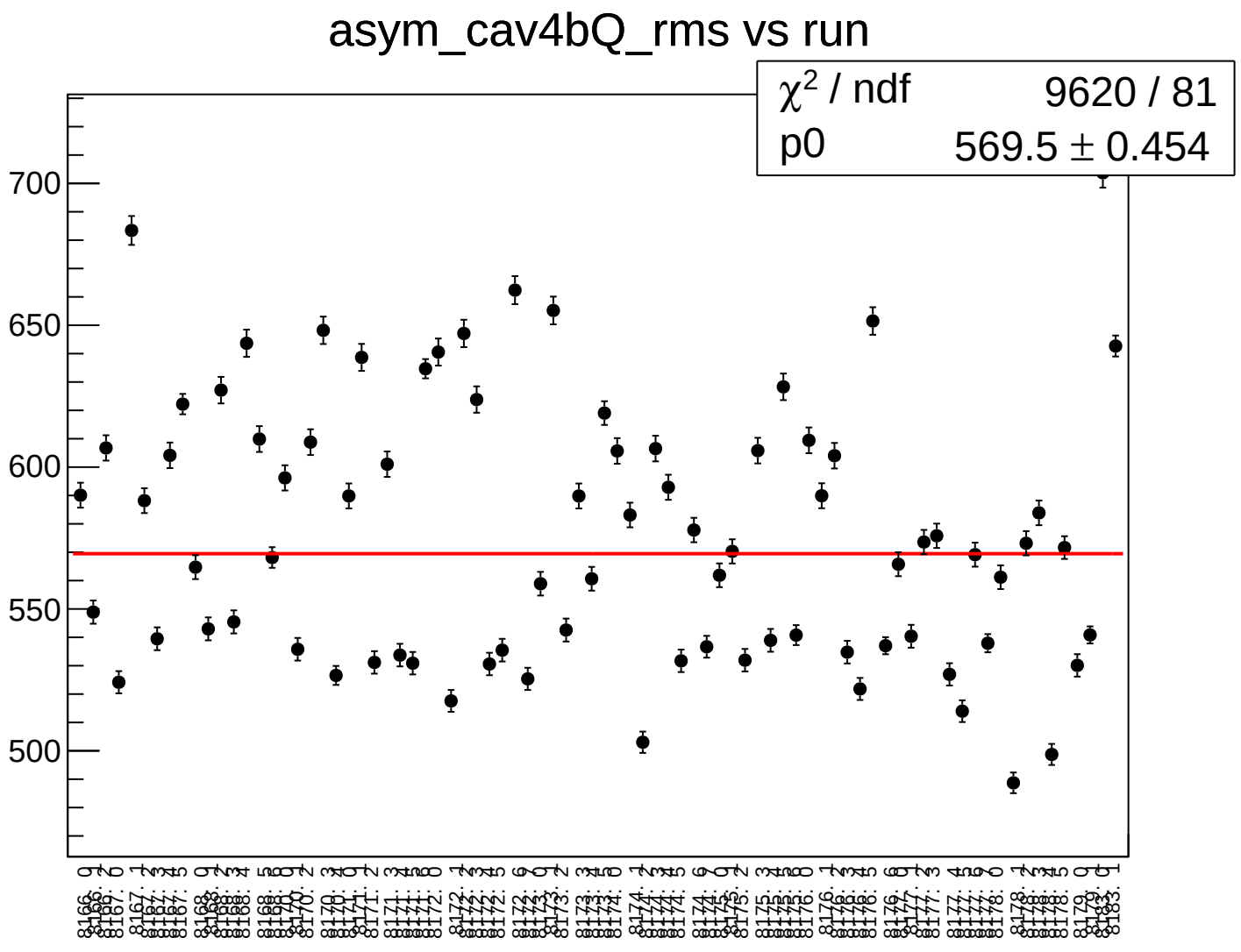

asym_bcm_dg_ds_mean vs run
χ² / ndf 16.32 / 81
p0 −170.8 ± 176.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 82
Mean 1851
Std Dev 0
1
0.5
0
−0.5
−1

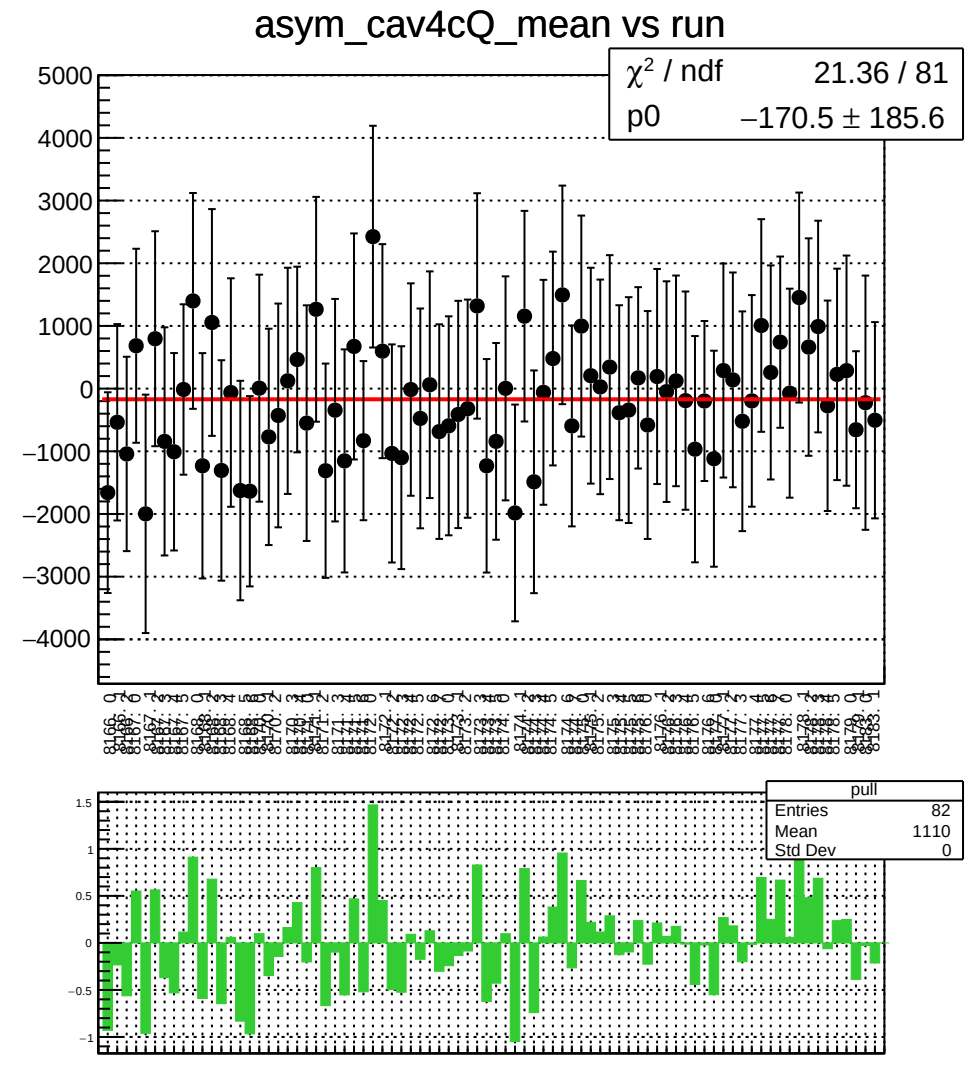

pull1D
Entries 82
Mean 0.0006069
Std Dev 0.4462
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

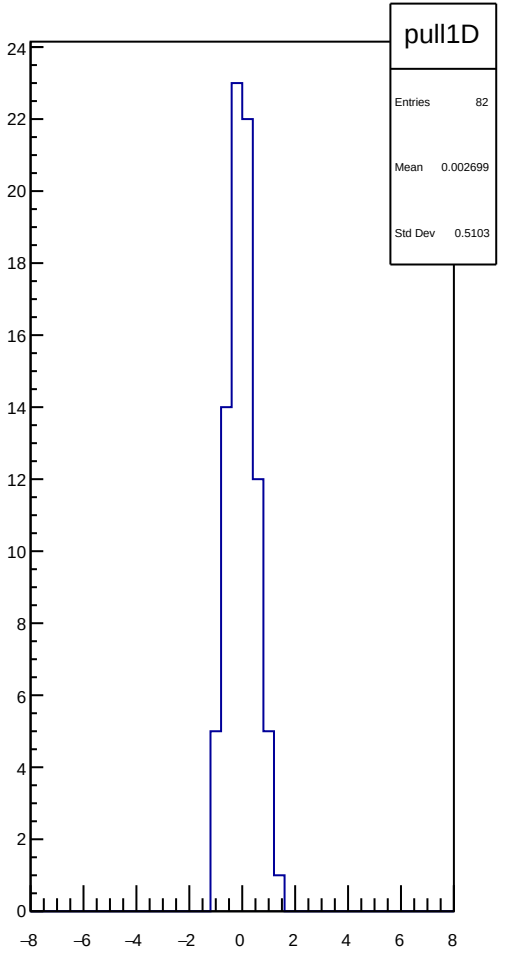

asym_bcm_dg_ds_rms vs run
χ² / ndf 2874 / 81
p0 156.5 ± 0.1245
190
180
170
160
150
140

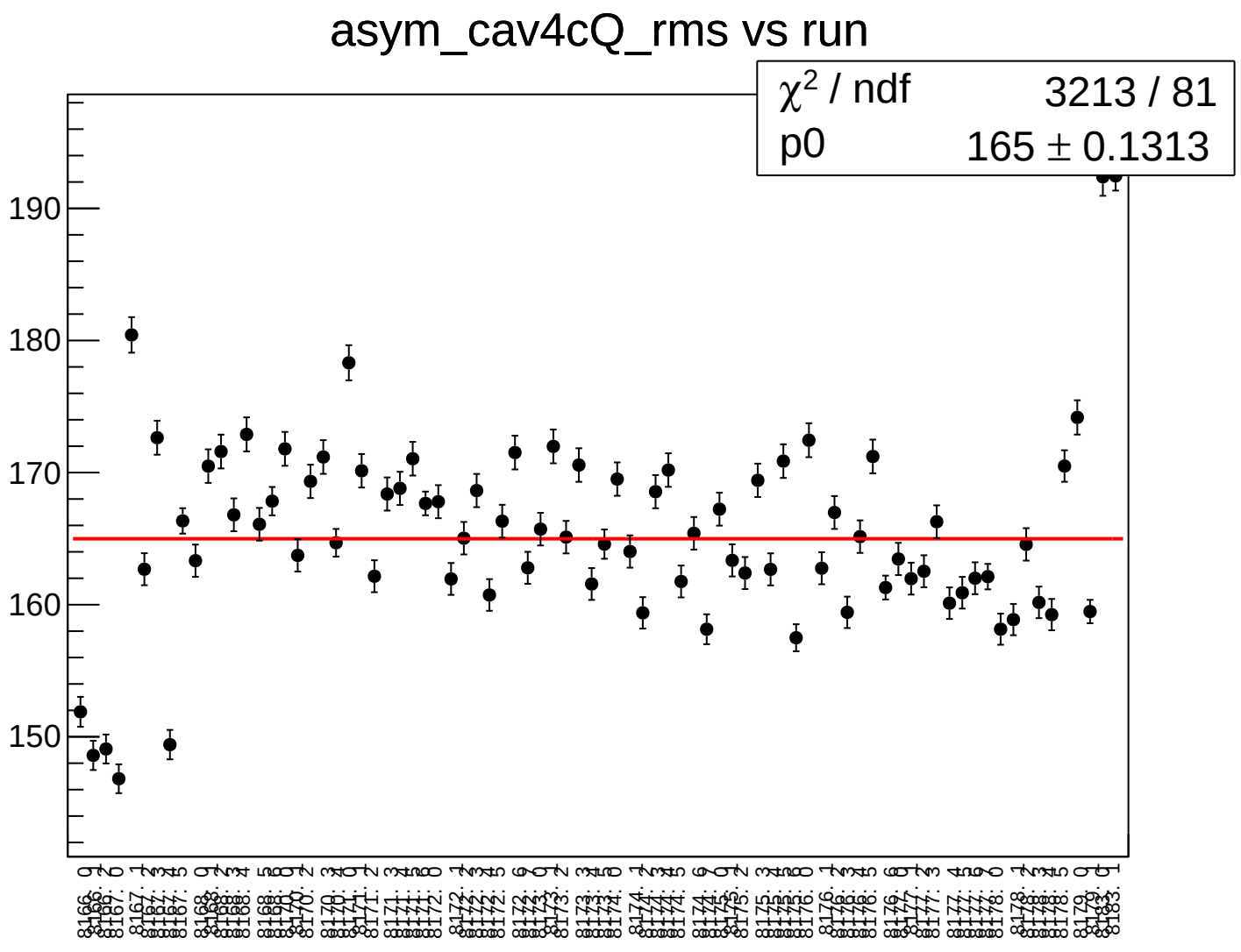

asym_cav4bQ_mean vs run
χ² / ndf 87.04 / 81
p0 −1072 ± 642.1
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 1.275e+04
Std Dev 0
2
1
0
−1
−2

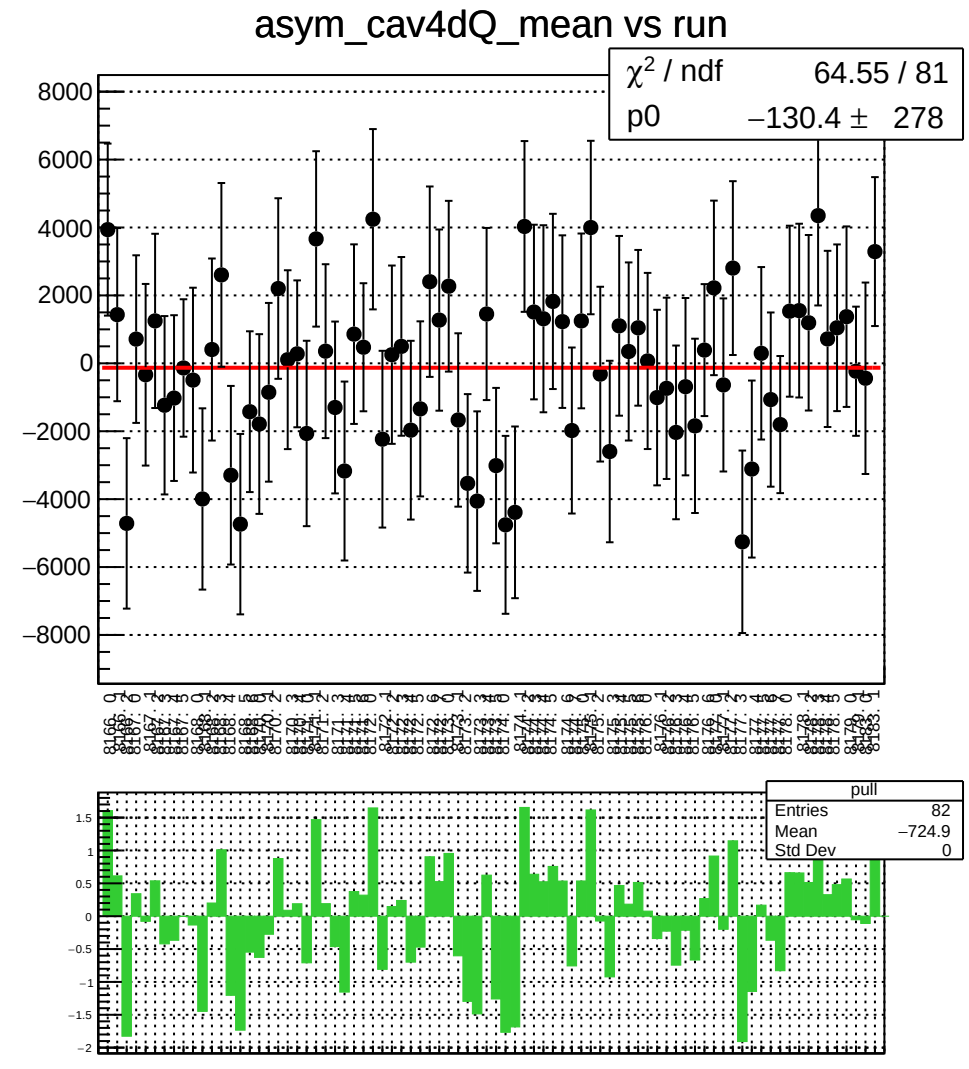

pull1D
Entries 82
Mean 0.0001791
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

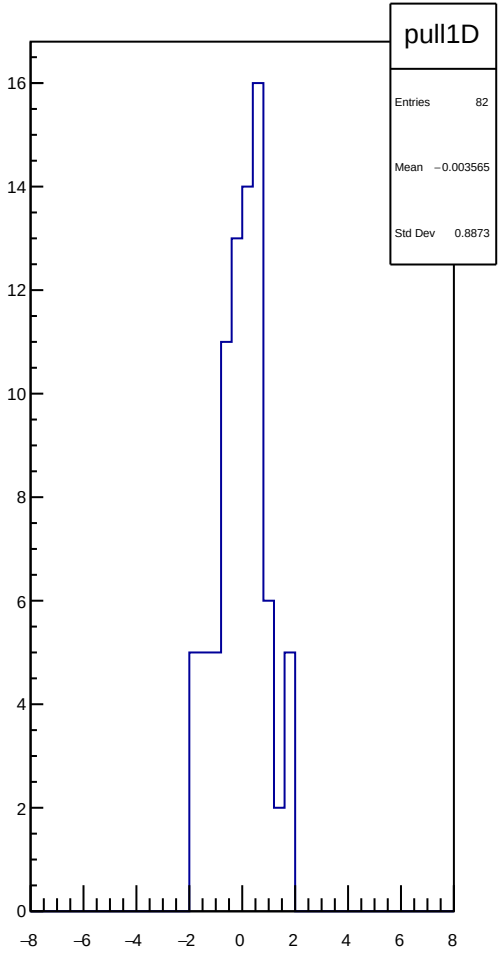

asym_cav4bQ_rms vs run
χ² / ndf 9620 / 81
p0 569.5 ± 0.454
700
650
600
550
500

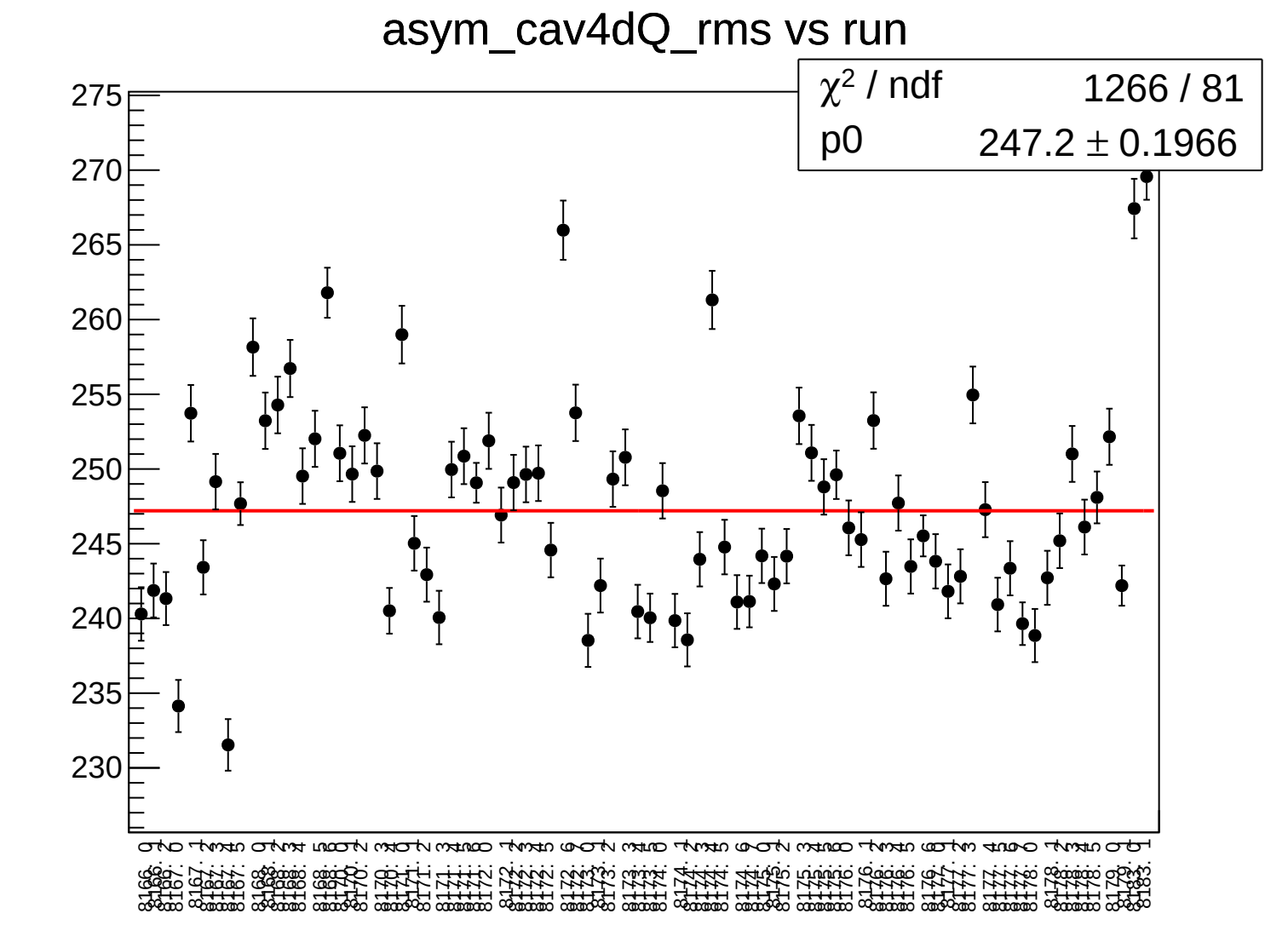

asym_cav4cQ_mean vs run
χ^2 / ndf 21.36 / 81
p0 −170.5 ± 185.6
pull
Entries 82
Mean 1110
Std Dev 0

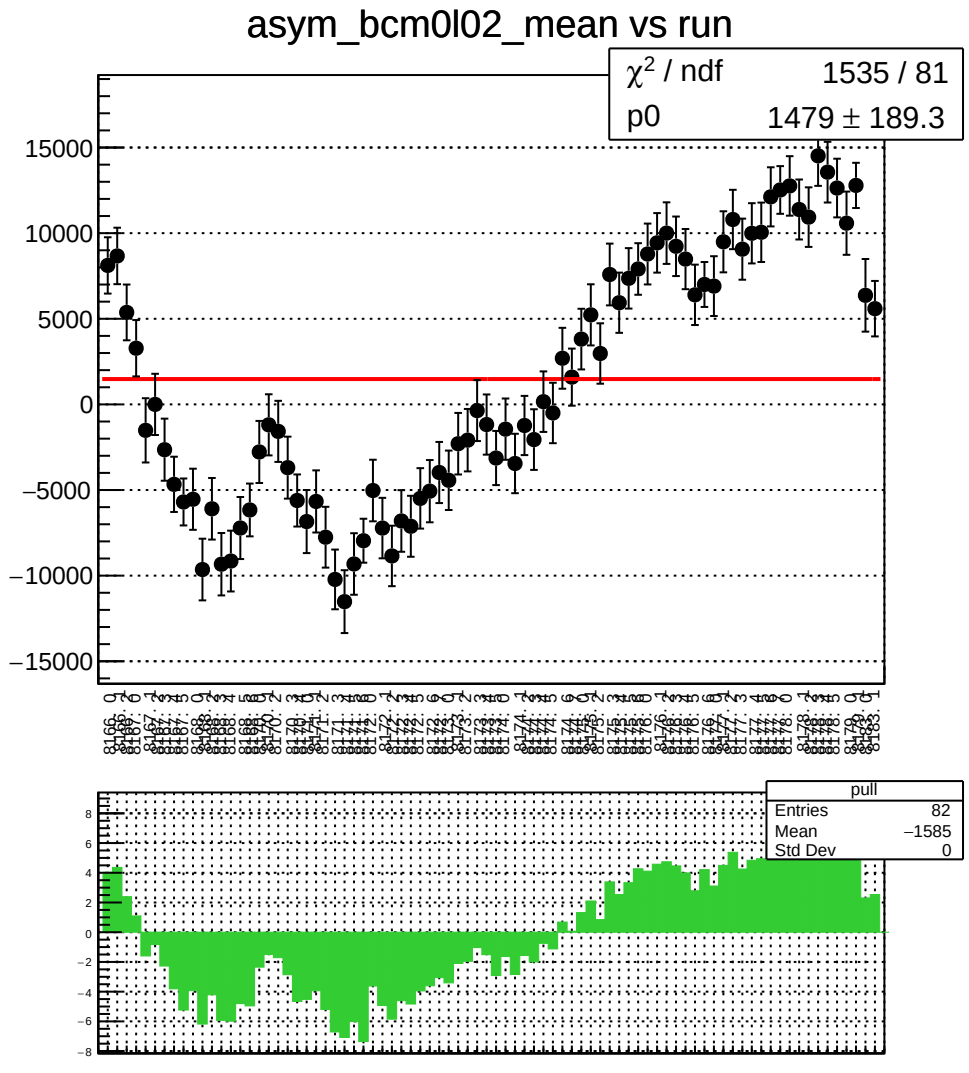

pull1D
Entries 82
Mean 0.002699
Std Dev 0.5103

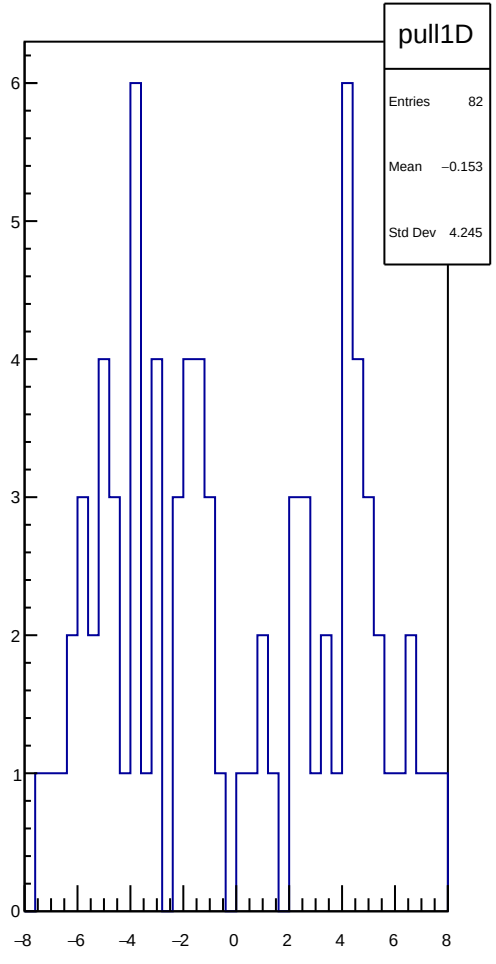

asym_cav4cQ_rms vs run
χ² / ndf 3213 / 81
p0 165 ± 0.1313
190
180
170
160
150

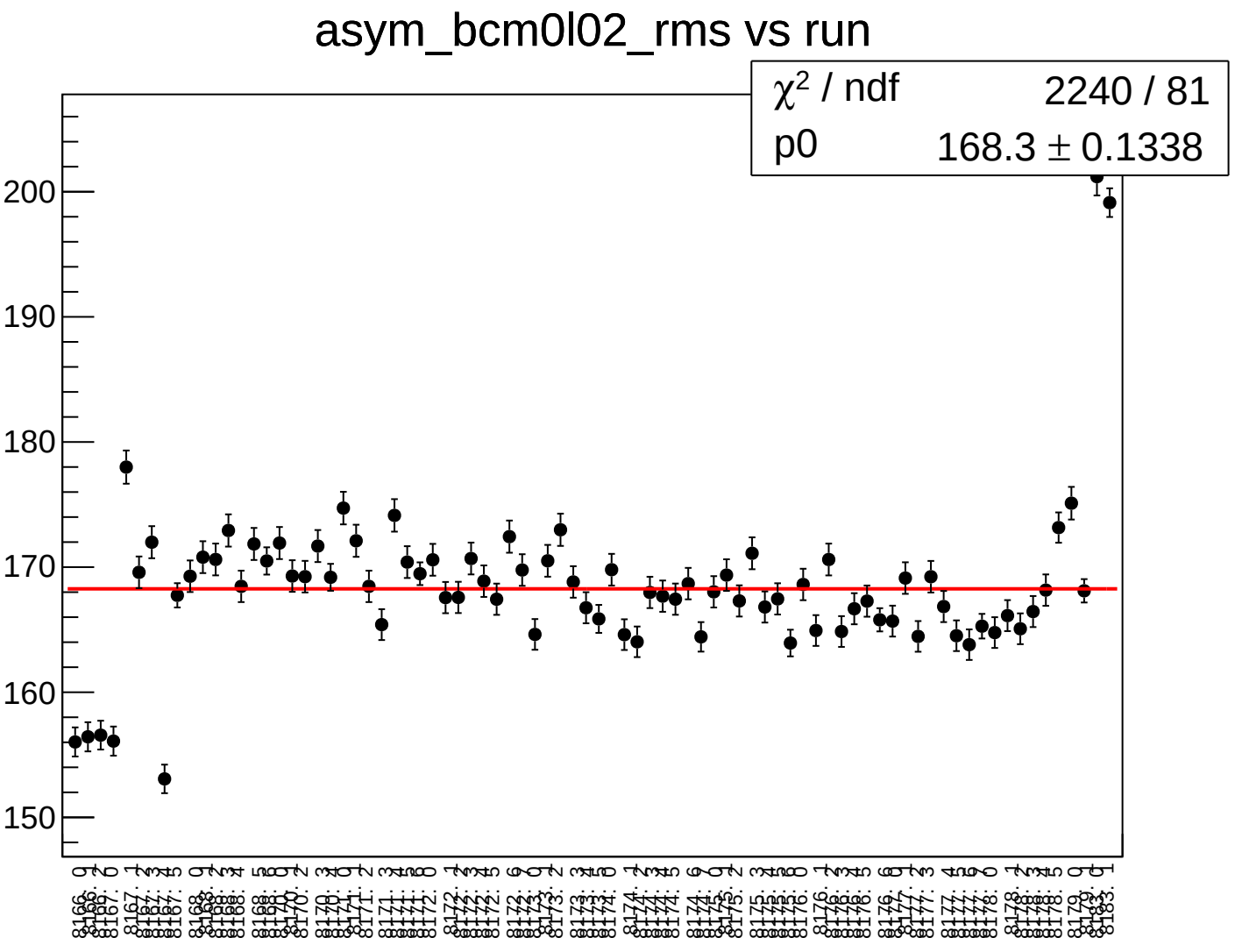

asym_cav4dQ_mean vs run
χ² / ndf 64.55 / 81
p0 −130.4 ± 278
pull
Entries 82
Mean −724.9
Std Dev 0

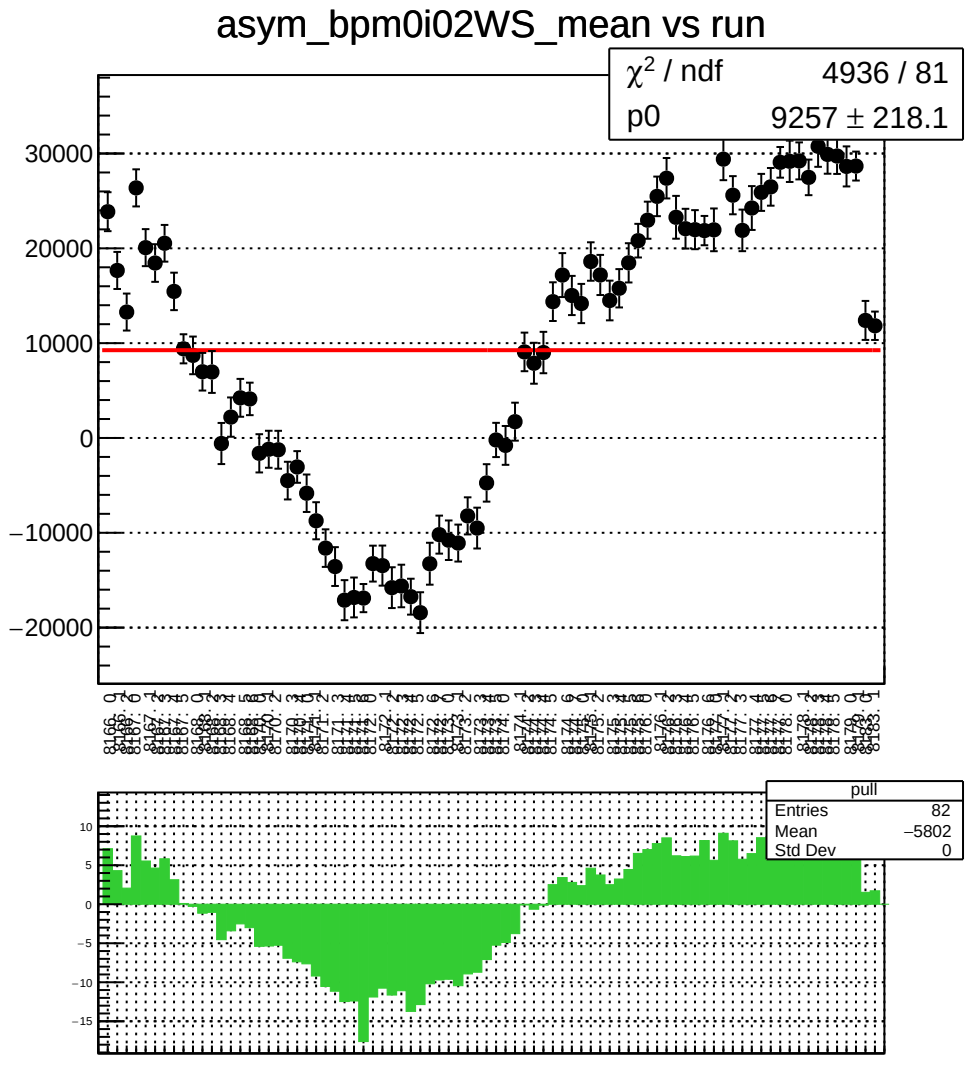

pull1D
Entries 82
Mean −0.003565
Std Dev 0.8873

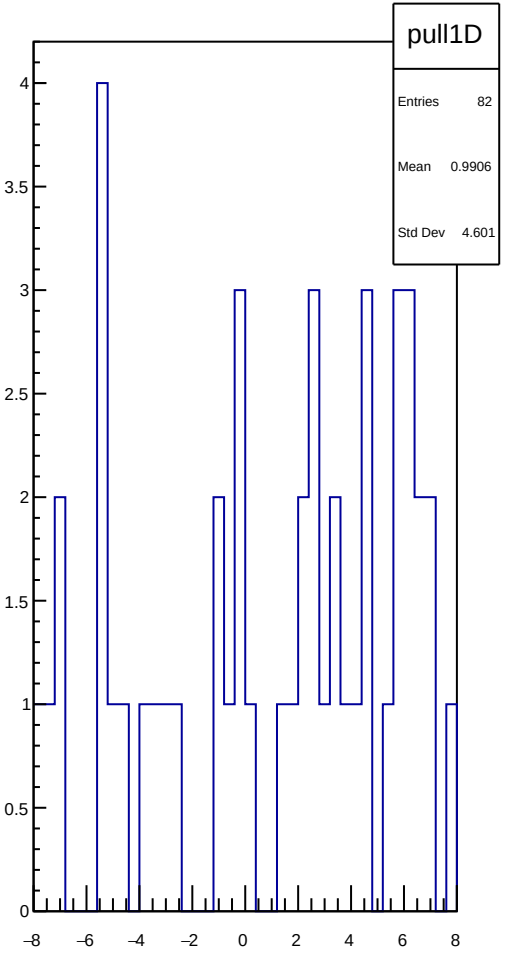

asym_cav4dQ_rms vs run
χ² / ndf 1266 / 81
p0 247.2 ± 0.1966
275
270
265
260
255
250
245
240
235
230

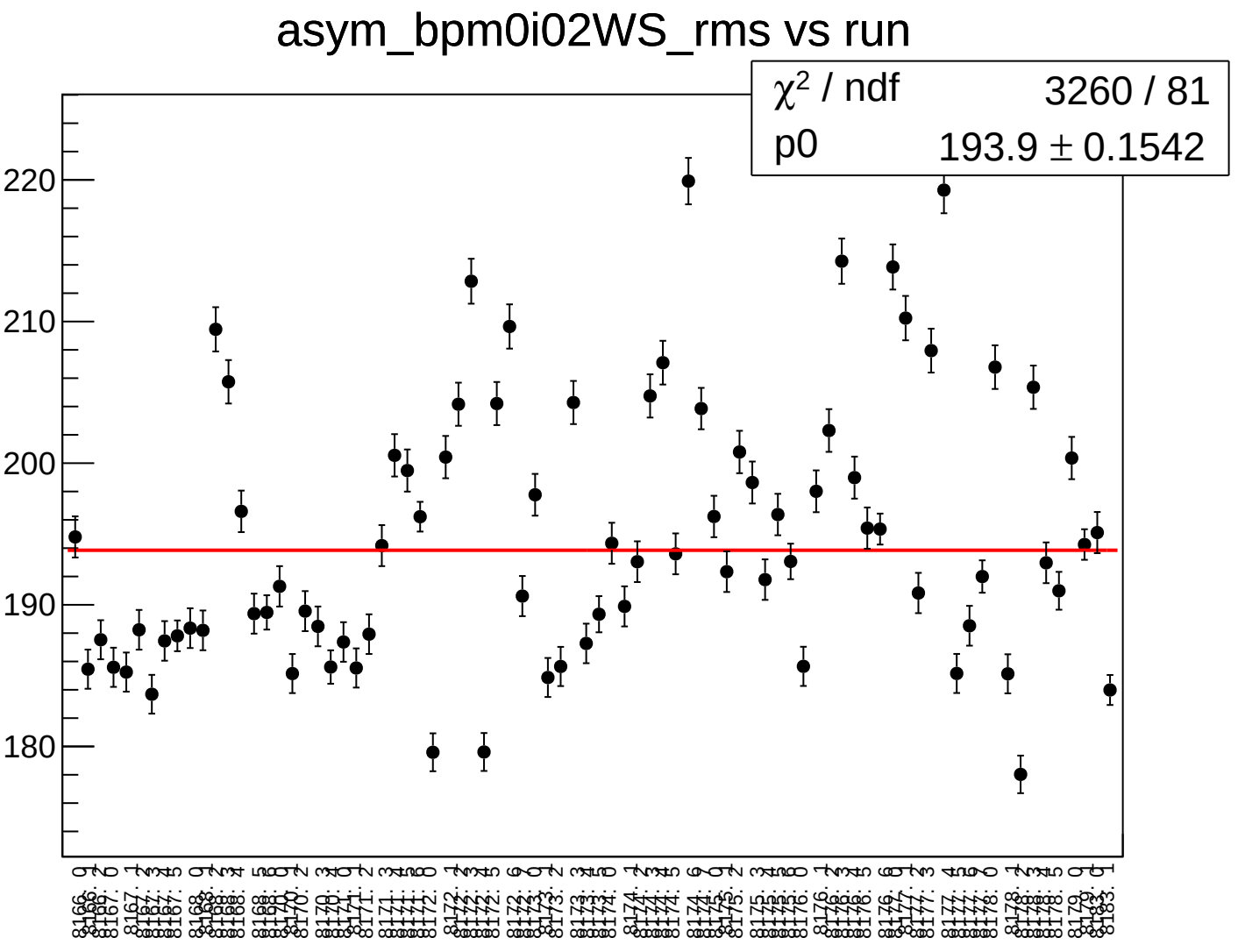

asym_bcm0l02_mean vs run
χ² / ndf 1535 / 81
p0 1479 ± 189.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −1585
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8

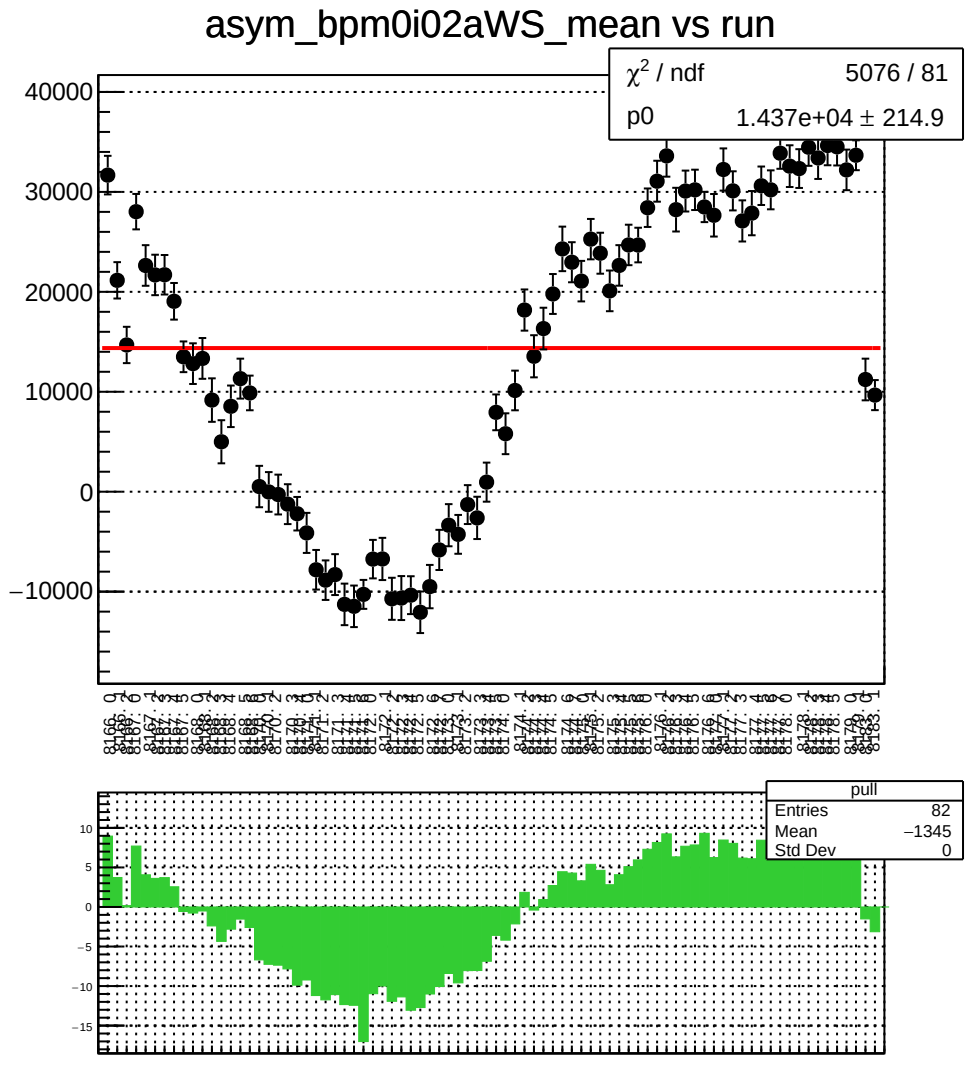

pull1D
Entries 82
Mean −0.153
Std Dev 4.245
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

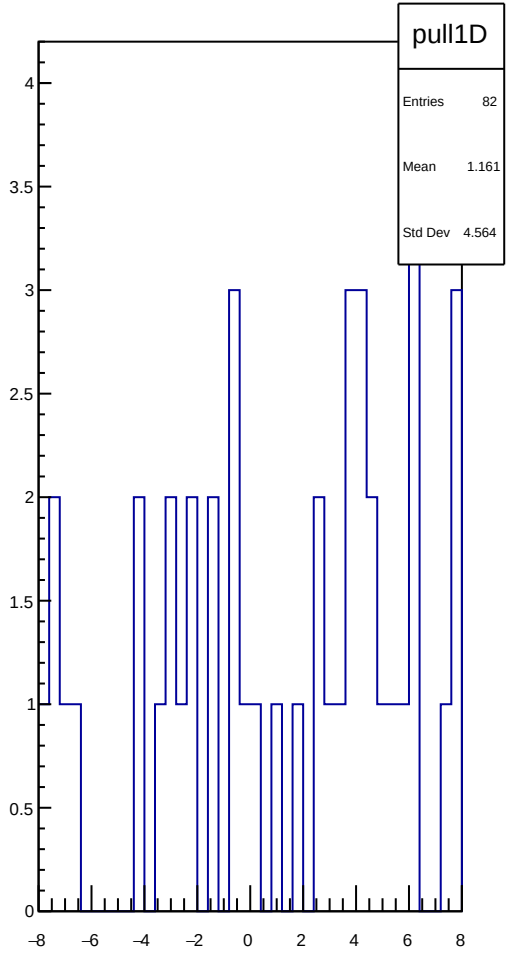

asym_bcm0l02_rms vs run
χ^2 / ndf 2240 / 81
p0 168.3 ± 0.1338
200
190
180
170
160
150

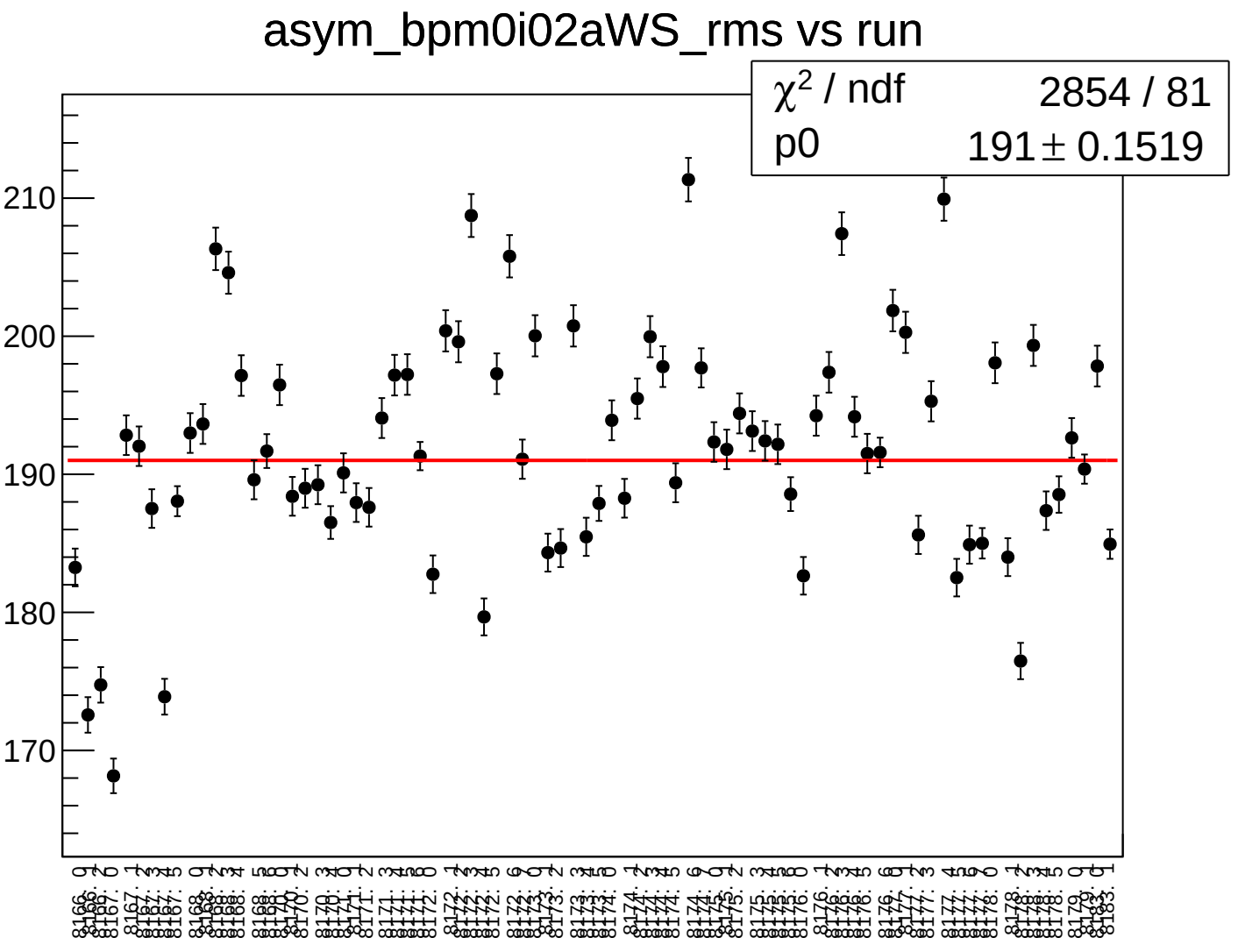

asym_bpm0i02WS_mean vs run
χ² / ndf 4936 / 81
p0 9257 ± 218.1
pull
Entries 82
Mean −5802
Std Dev 0

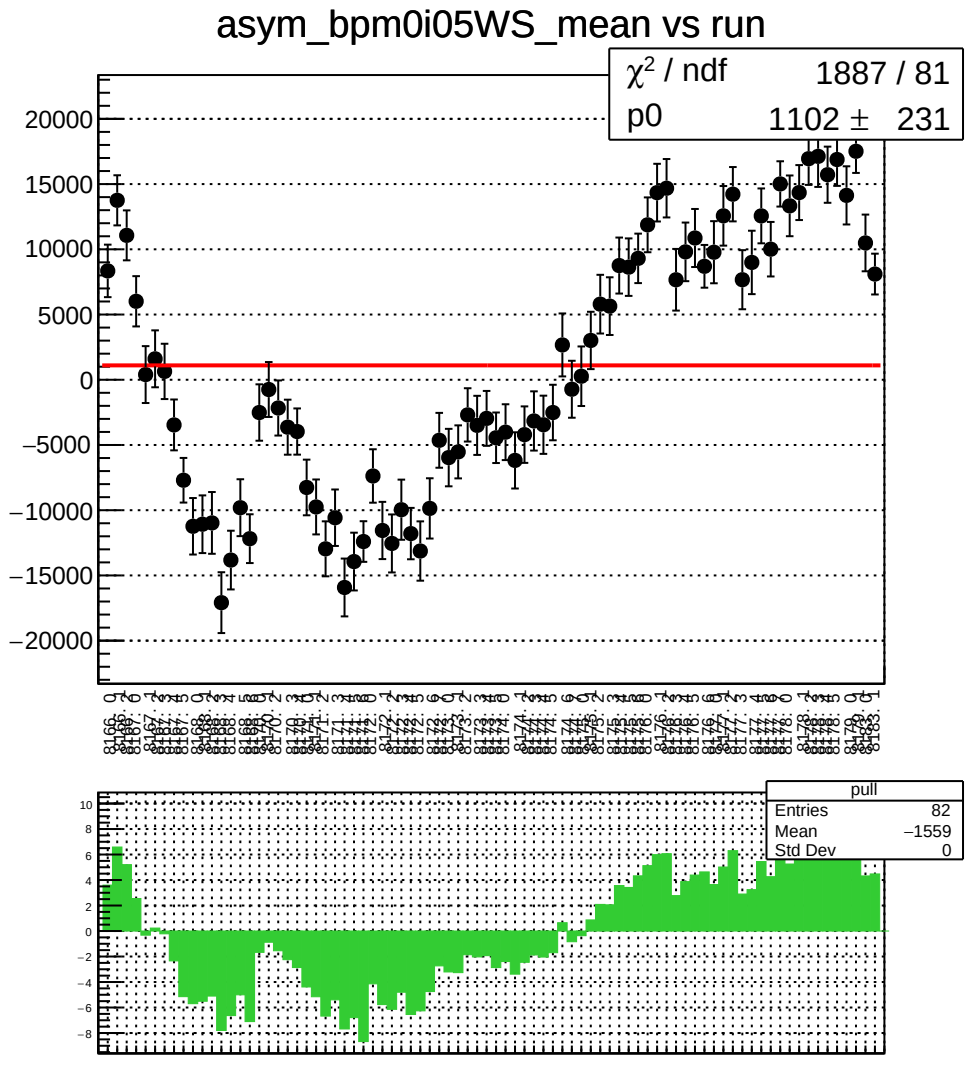

pull1D
Entries 82
Mean 0.9906
Std Dev 4.601

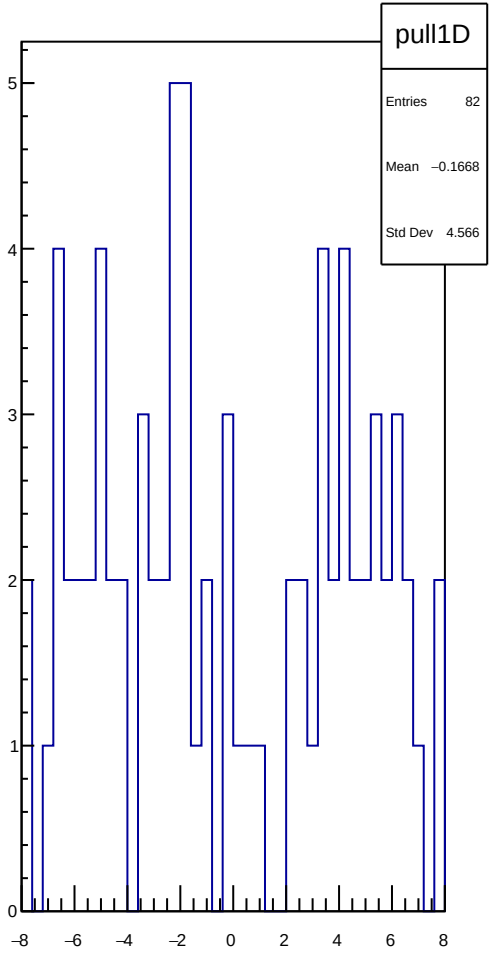

asym_bpm0i02WS_rms vs run
χ² / ndf 3260 / 81
p0 193.9 ± 0.1542
220
210
200
190
180

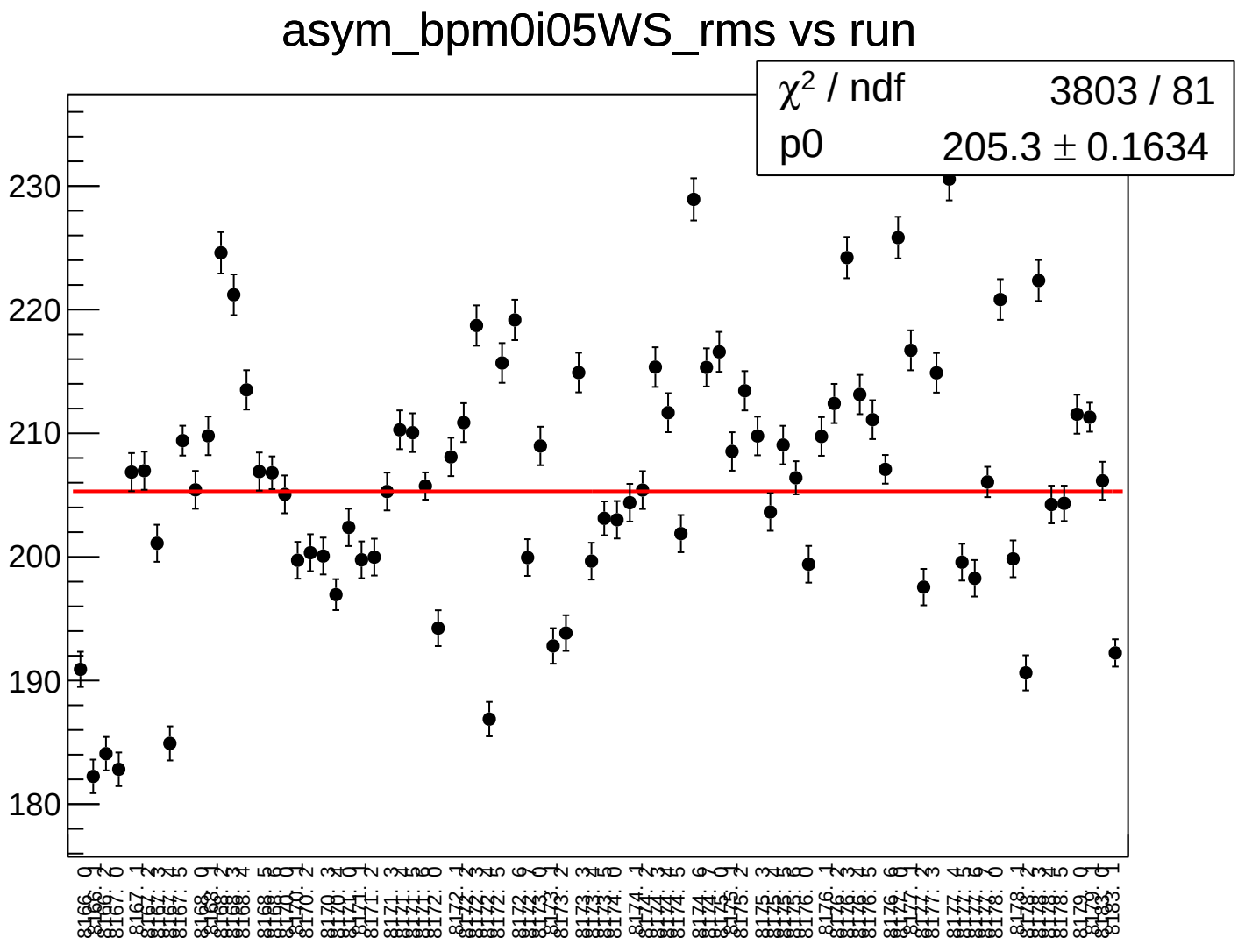

asym_bpm0i02aWS_mean vs run
χ² / ndf 5076 / 81
p0 1.437e+04 ± 214.9
pull
Entries 82
Mean −1345
Std Dev 0

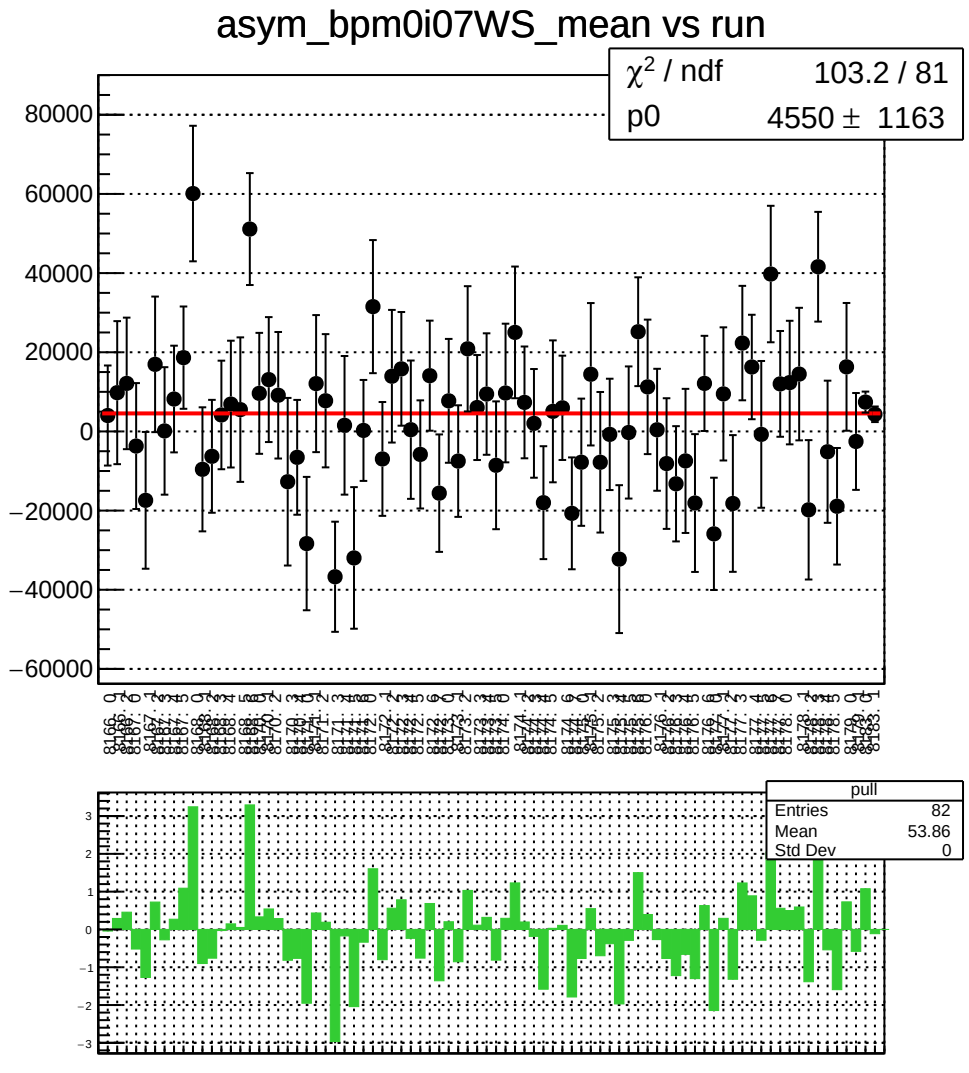

pull1D
Entries 82
Mean 1.161
Std Dev 4.564

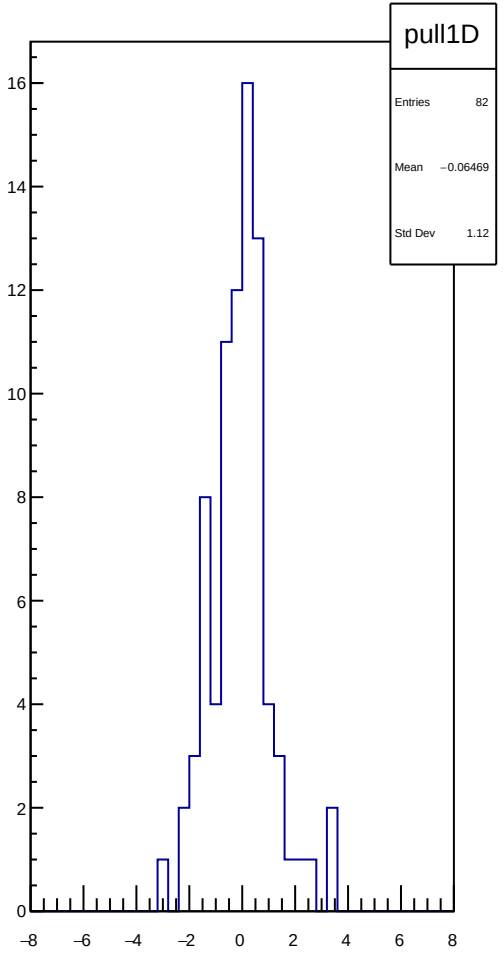

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 2854 / 81
p0 191 ± 0.1519
210
200
190
180
170

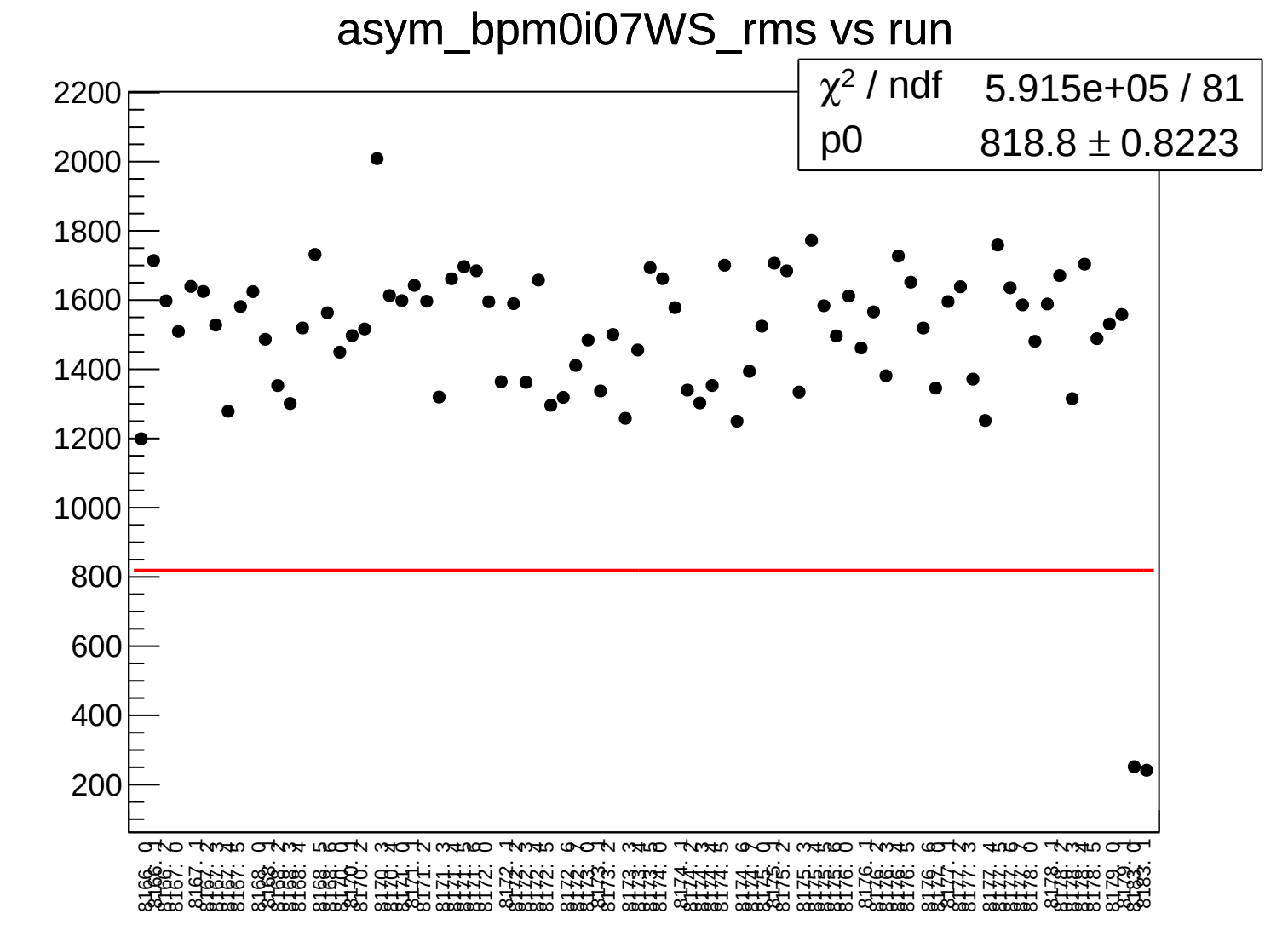

asym_bpm0i05WS_mean vs run
χ² / ndf 1887 / 81
p0 1102 ± 231
pull
Entries 82
Mean −1559
Std Dev 0

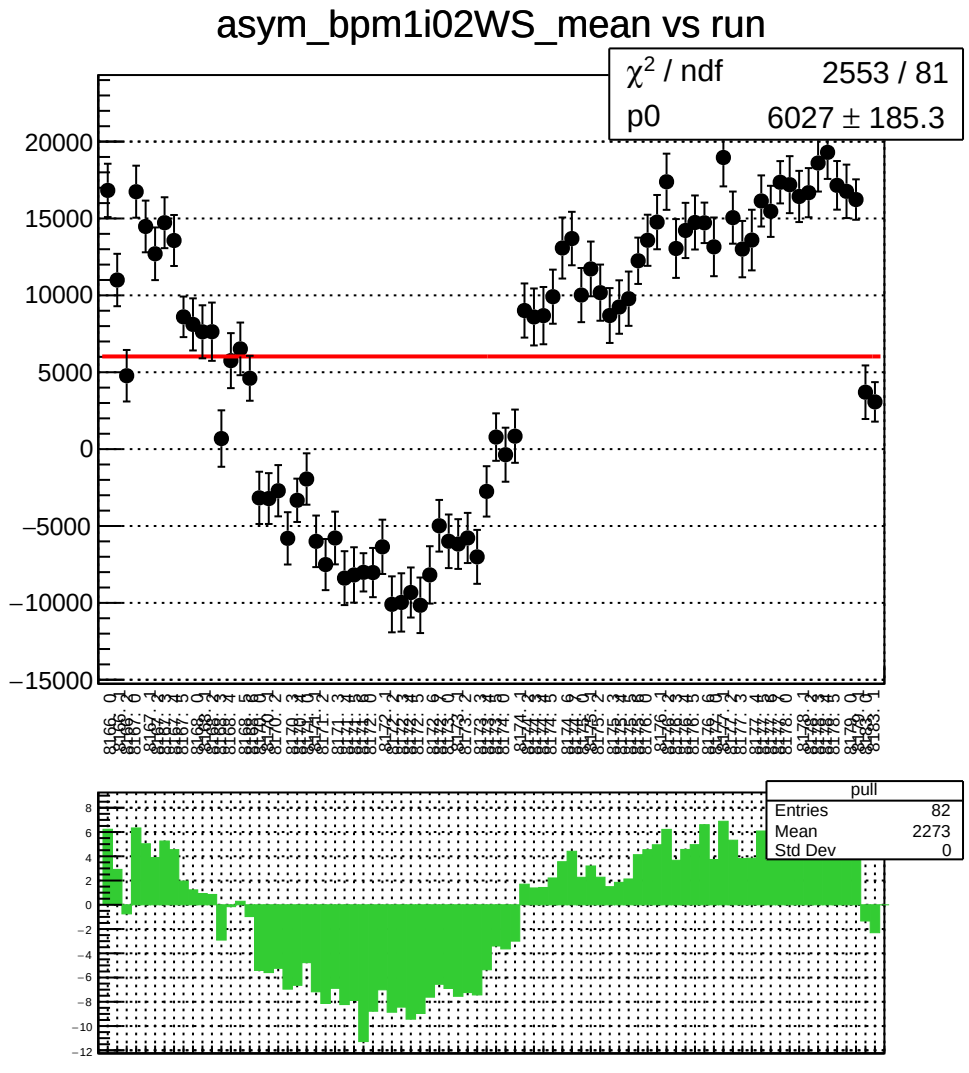

pull1D
Entries 82
Mean −0.1668
Std Dev 4.566

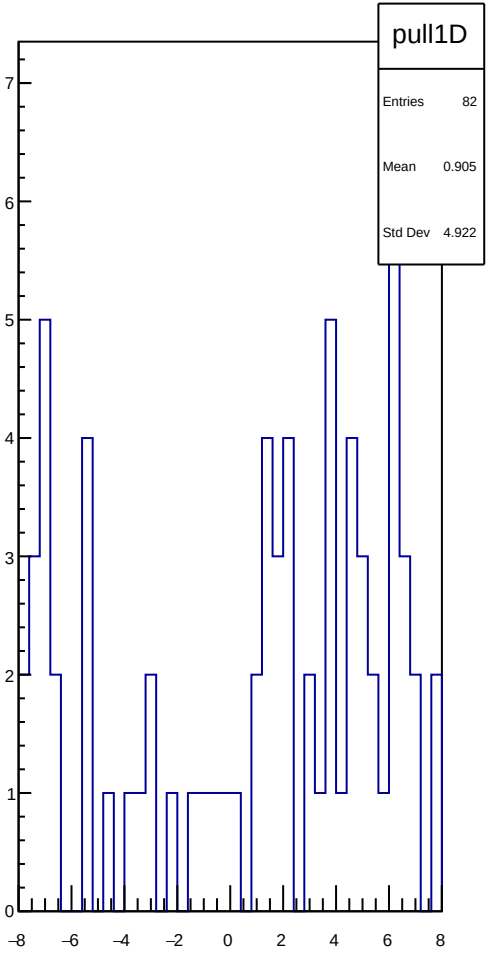

asym_bpm0i05WS_rms vs run
χ² / ndf 3803 / 81
p0 205.3 ± 0.1634
230
220
210
200
190
180

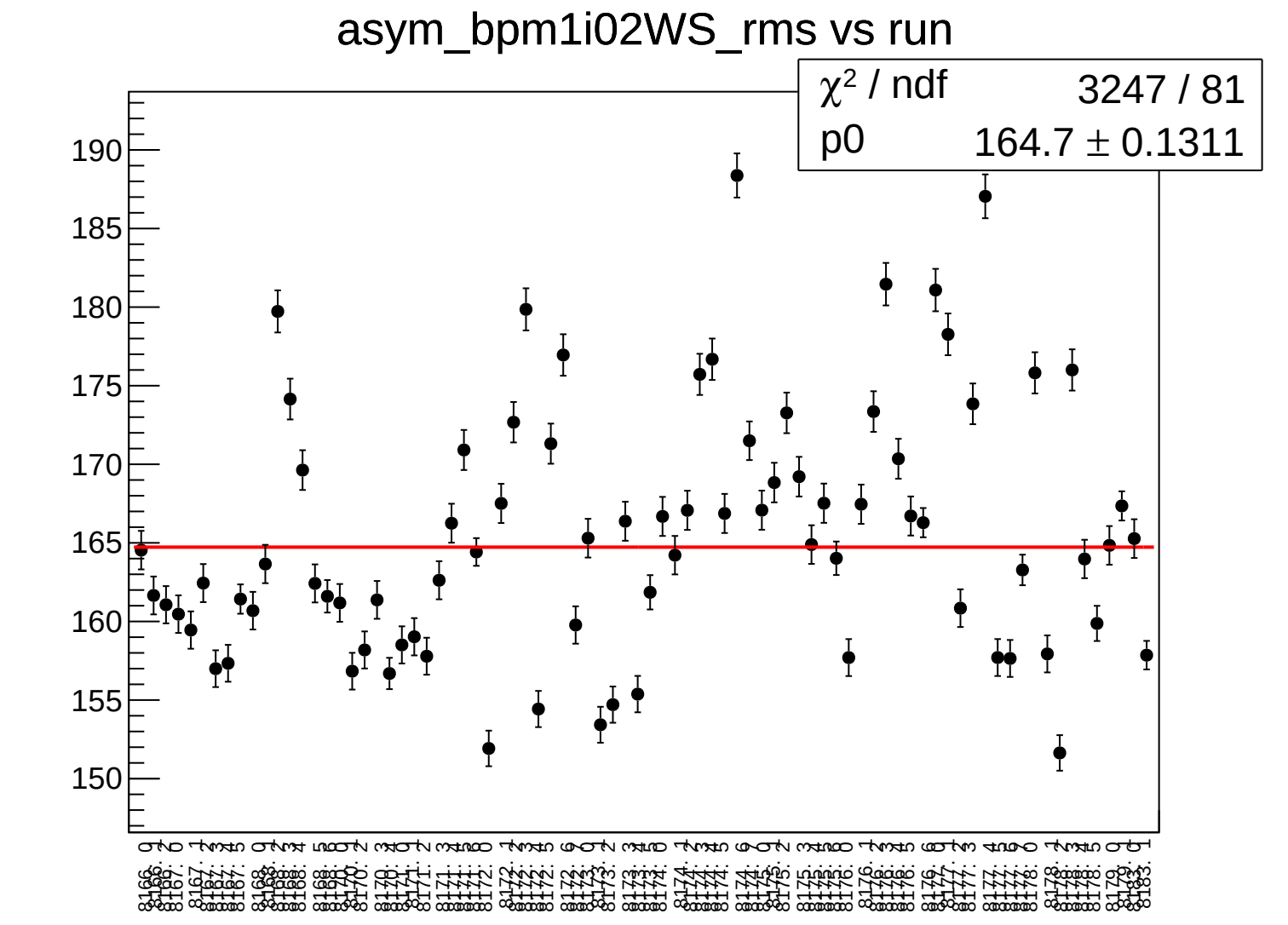

asym_bpm0i07WS_mean vs run
χ² / ndf 103.2 / 81
p0 4550 ± 1163
pull
Entries 82
Mean 53.86
Std Dev 0

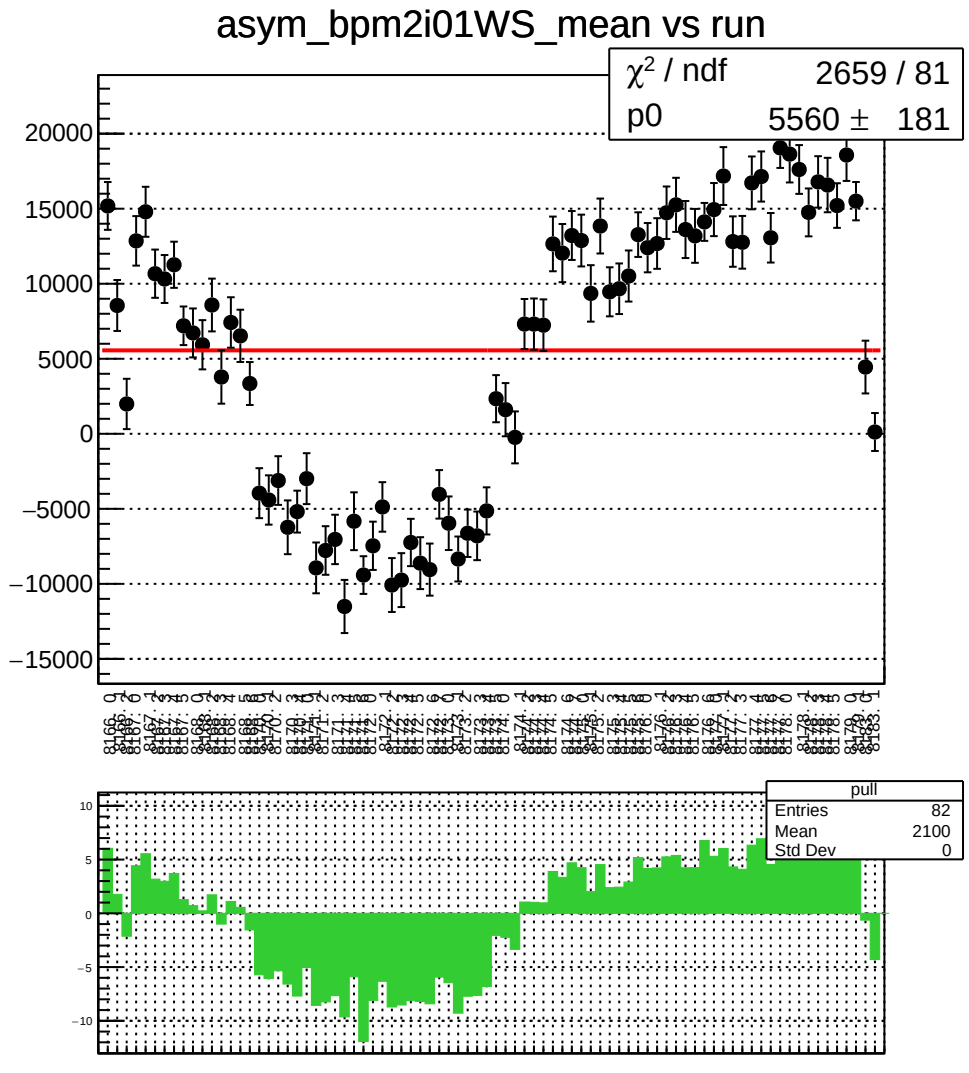

pull1D
Entries 82
Mean −0.06469
Std Dev 1.12

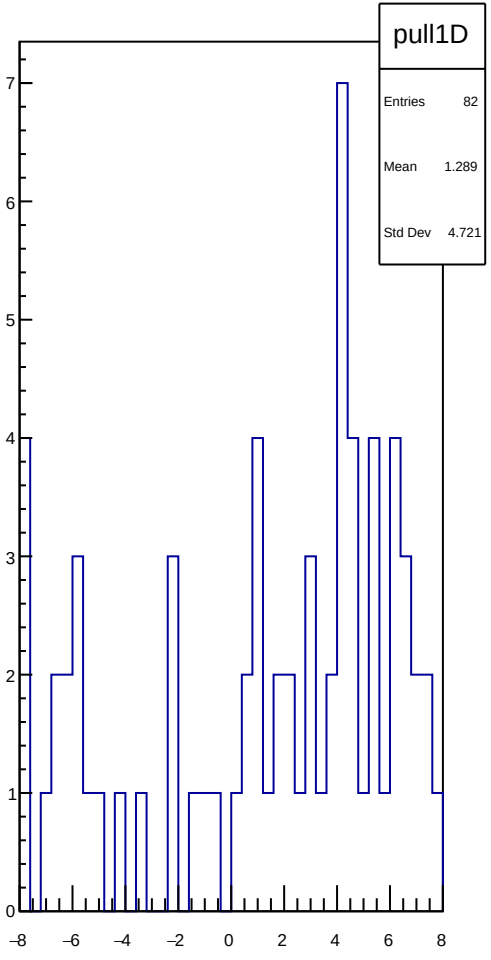

asym_bpm0i07WS_rms vs run
χ^2 / ndf 5.915e+05 / 81
p0 818.8 ± 0.8223
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

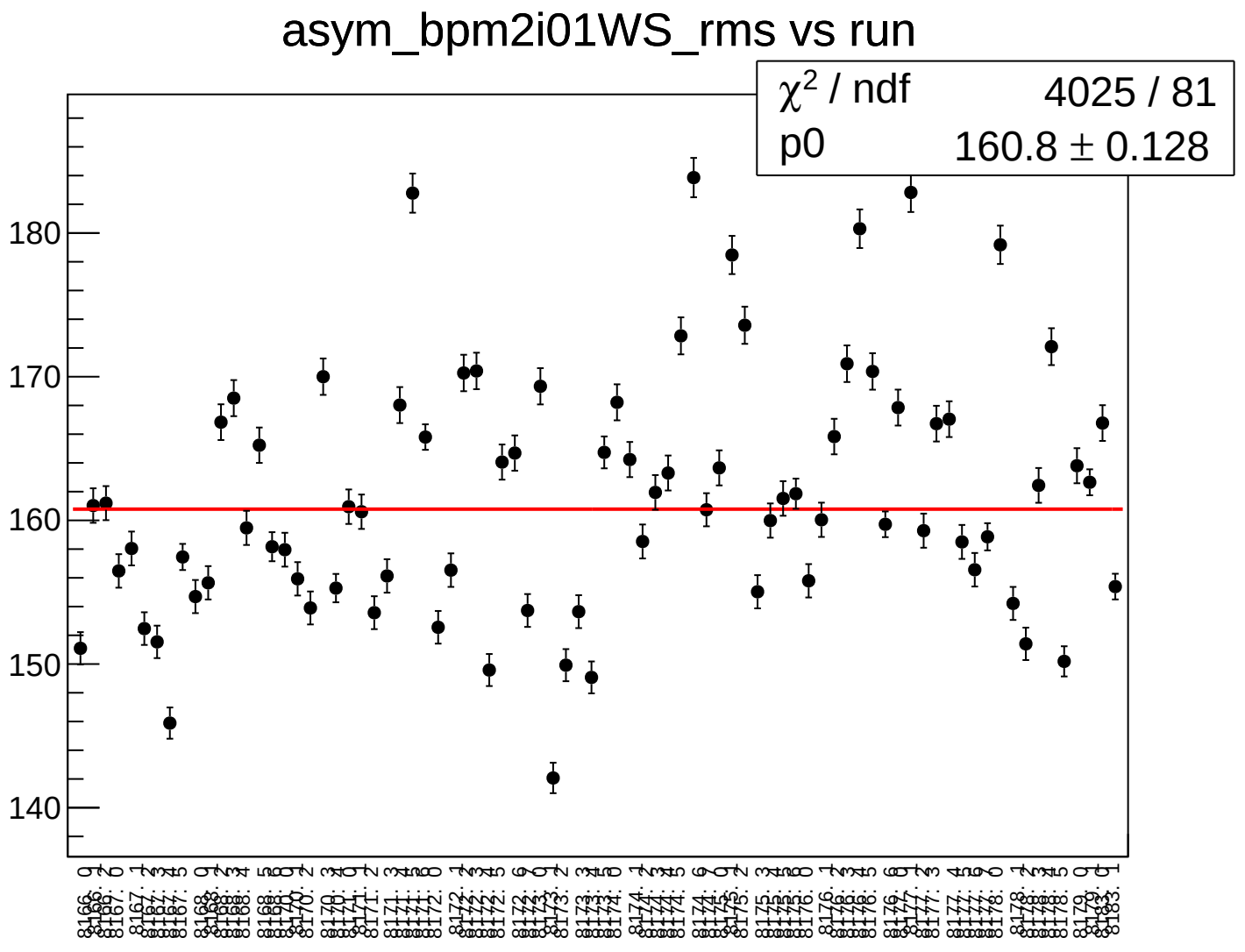

asym_bpm1i02WS_mean vs run
χ² / ndf 2553 / 81
p0 6027 ± 185.3
pull
Entries 82
Mean 2273
Std Dev 0

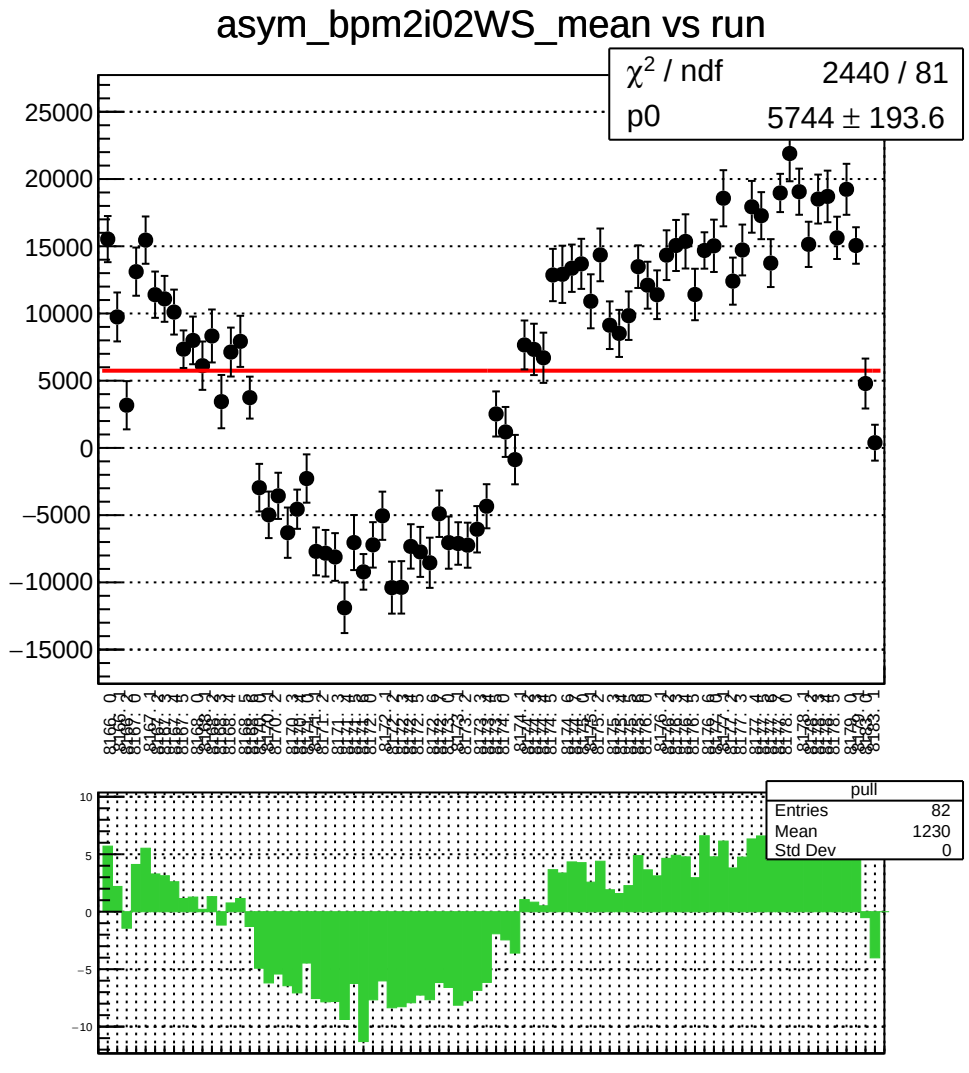

pull1D
Entries 82
Mean 0.905
Std Dev 4.922

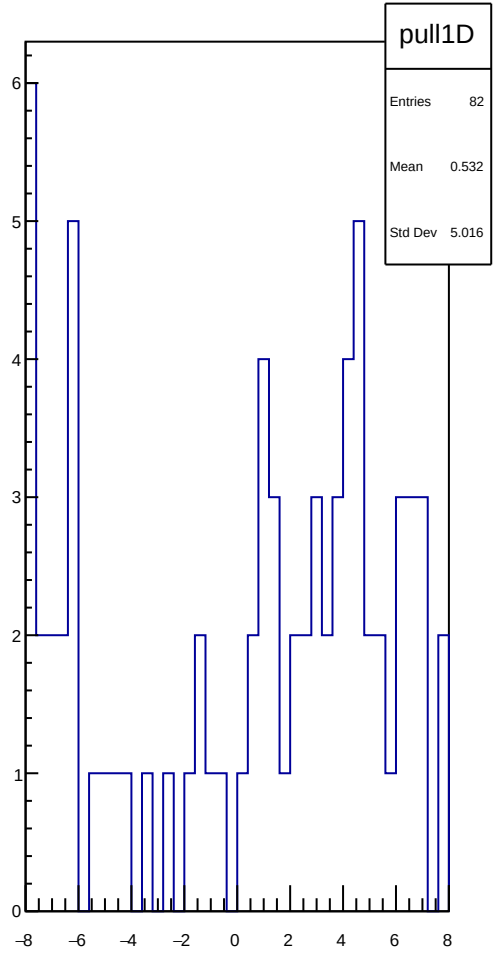

asym_bpm1i02WS_rms vs run
χ² / ndf 3247 / 81
p0 164.7 ± 0.1311
190
185
180
175
170
165
160
155
150

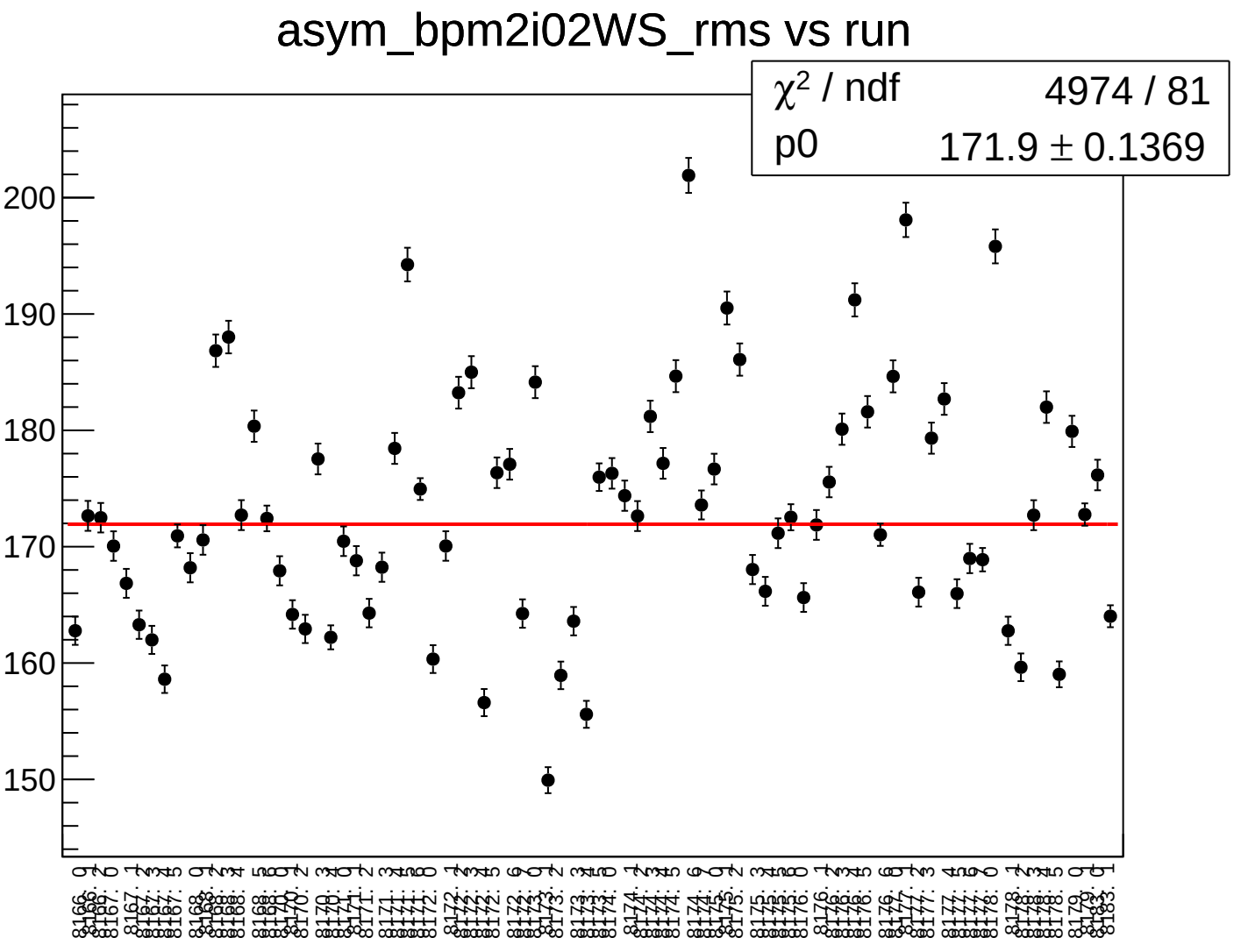

asym_bpm2i01WS_mean vs run
χ² / ndf 2659 / 81
p0 5560 ± 181
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 2100
Std Dev 0
10
5
0
−5
−10

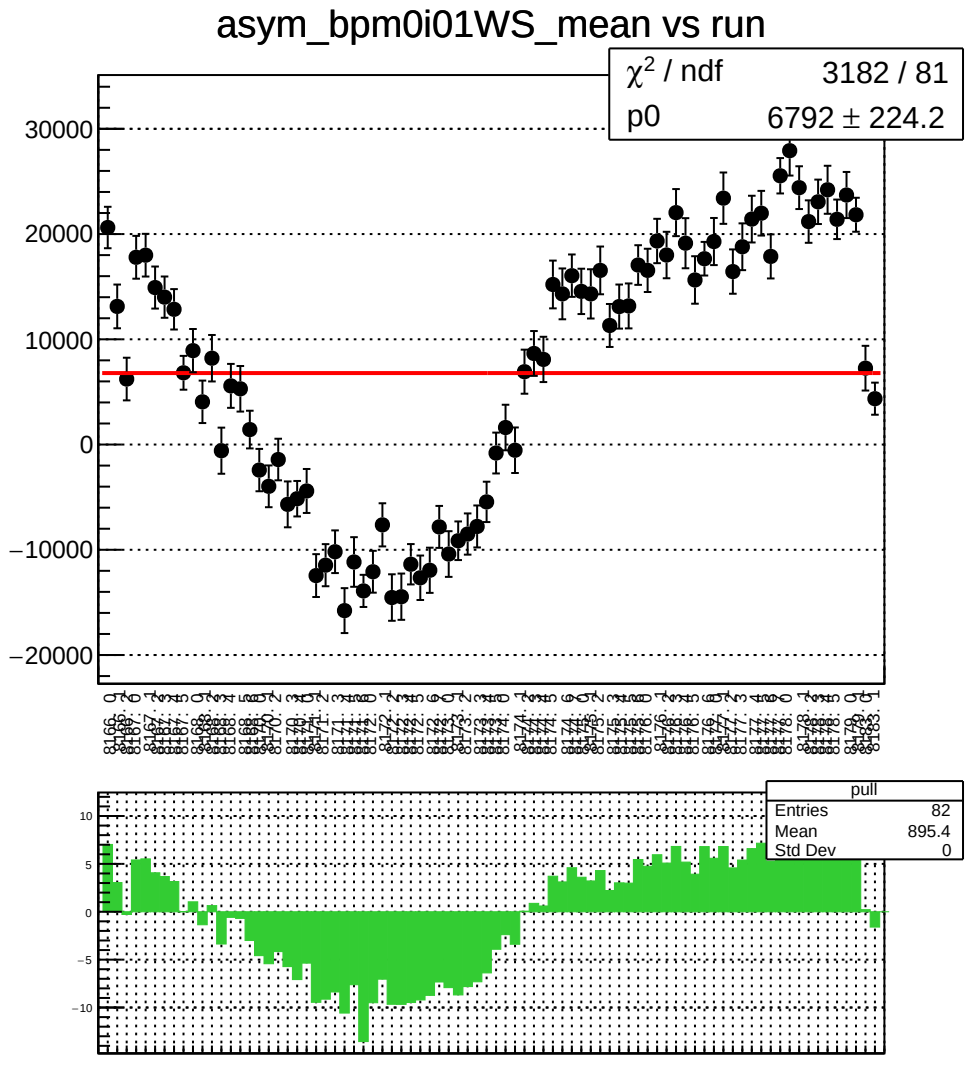

pull1D
Entries 82
Mean 1.289
Std Dev 4.721
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

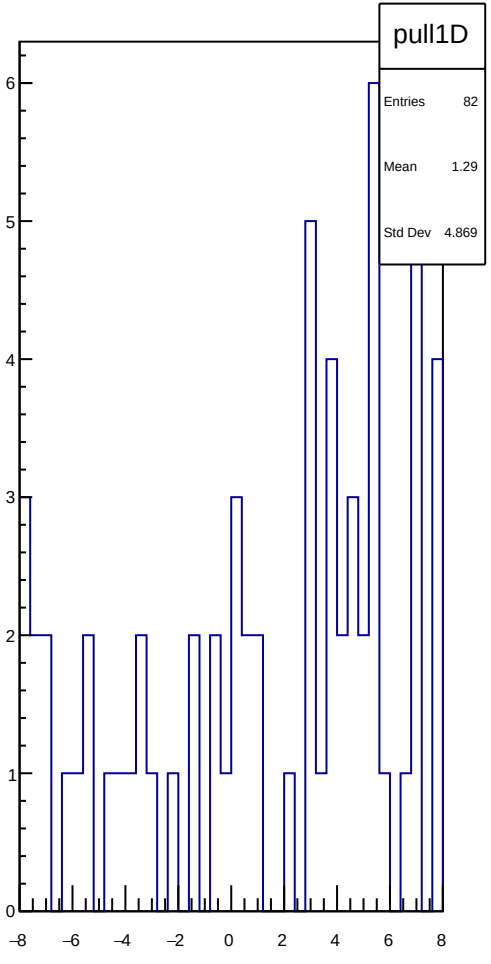

asym_bpm2i01WS_rms vs run
χ² / ndf 4025 / 81
p0 160.8 ± 0.128
180
170
160
150
140

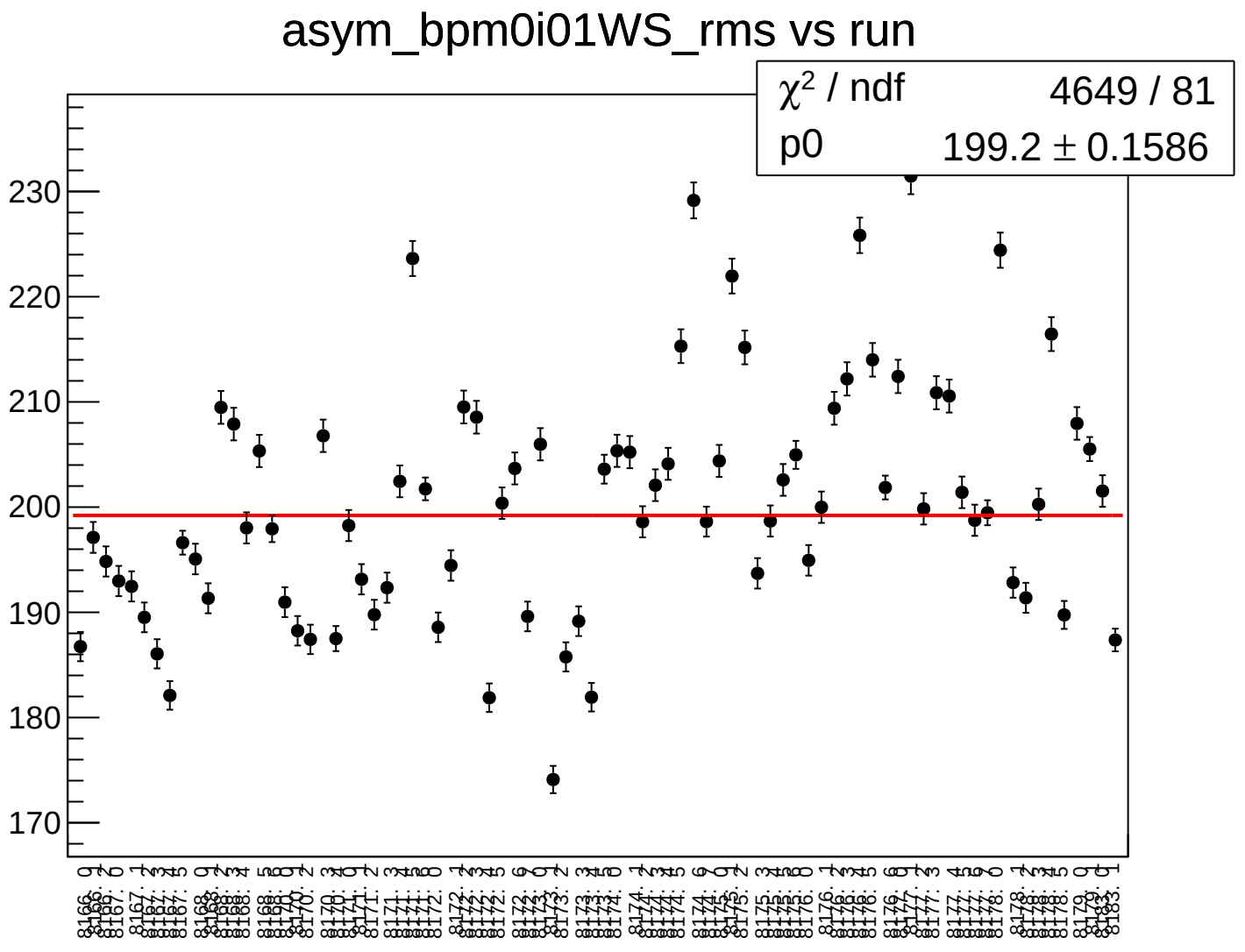

asym_bpm2i02WS_mean vs run
χ² / ndf 2440 / 81
p0 5744 ± 193.6
pull
Entries 82
Mean 1230
Std Dev 0

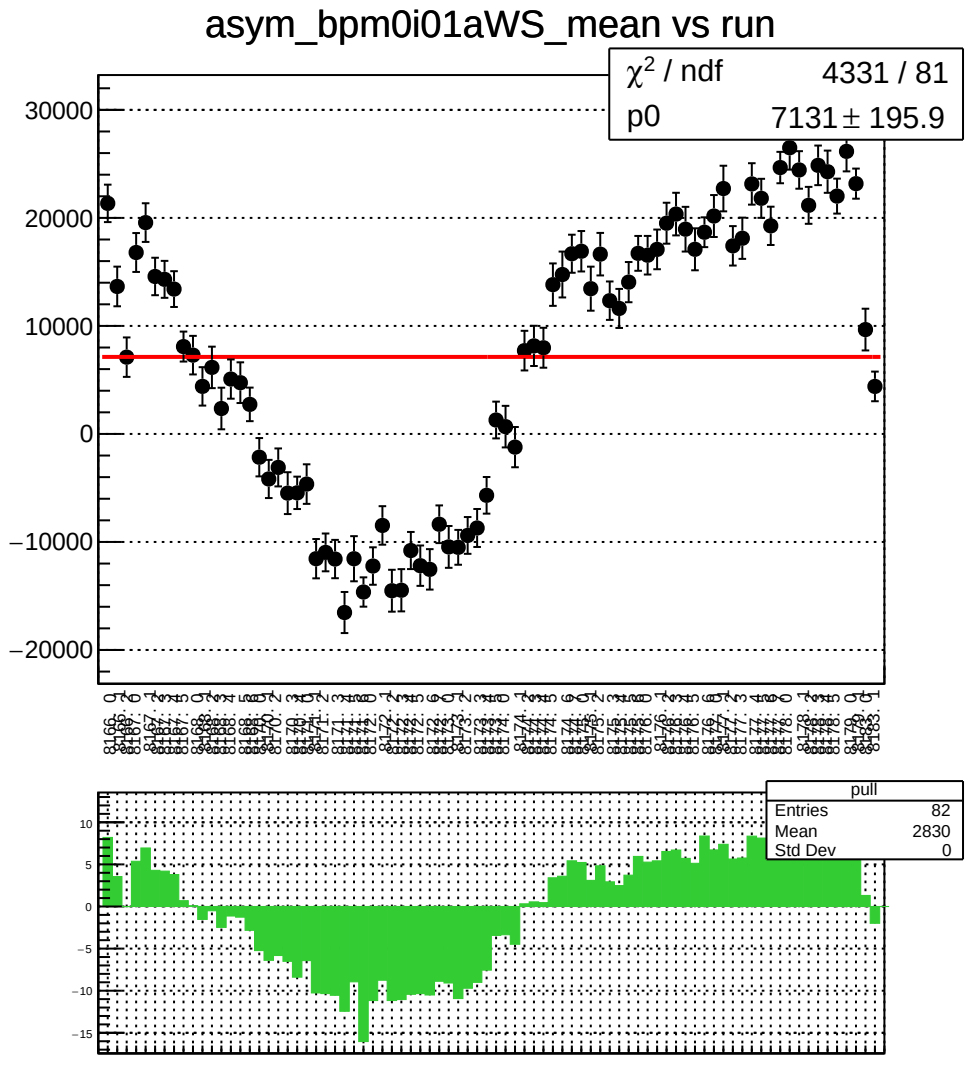

pull1D
Entries 82
Mean 0.532
Std Dev 5.016

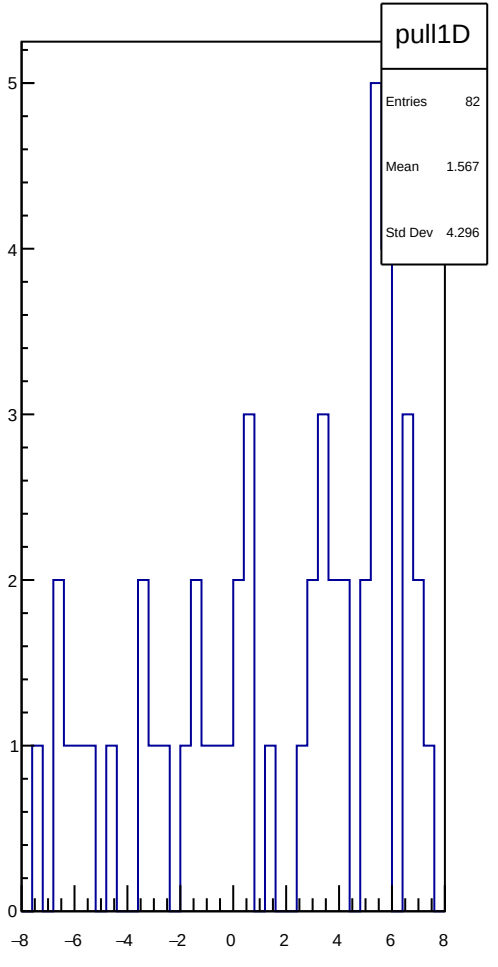

asym_bpm2i02WS_rms vs run
χ² / ndf 4974 / 81
p0 171.9 ± 0.1369
200
190
180
170
160
150

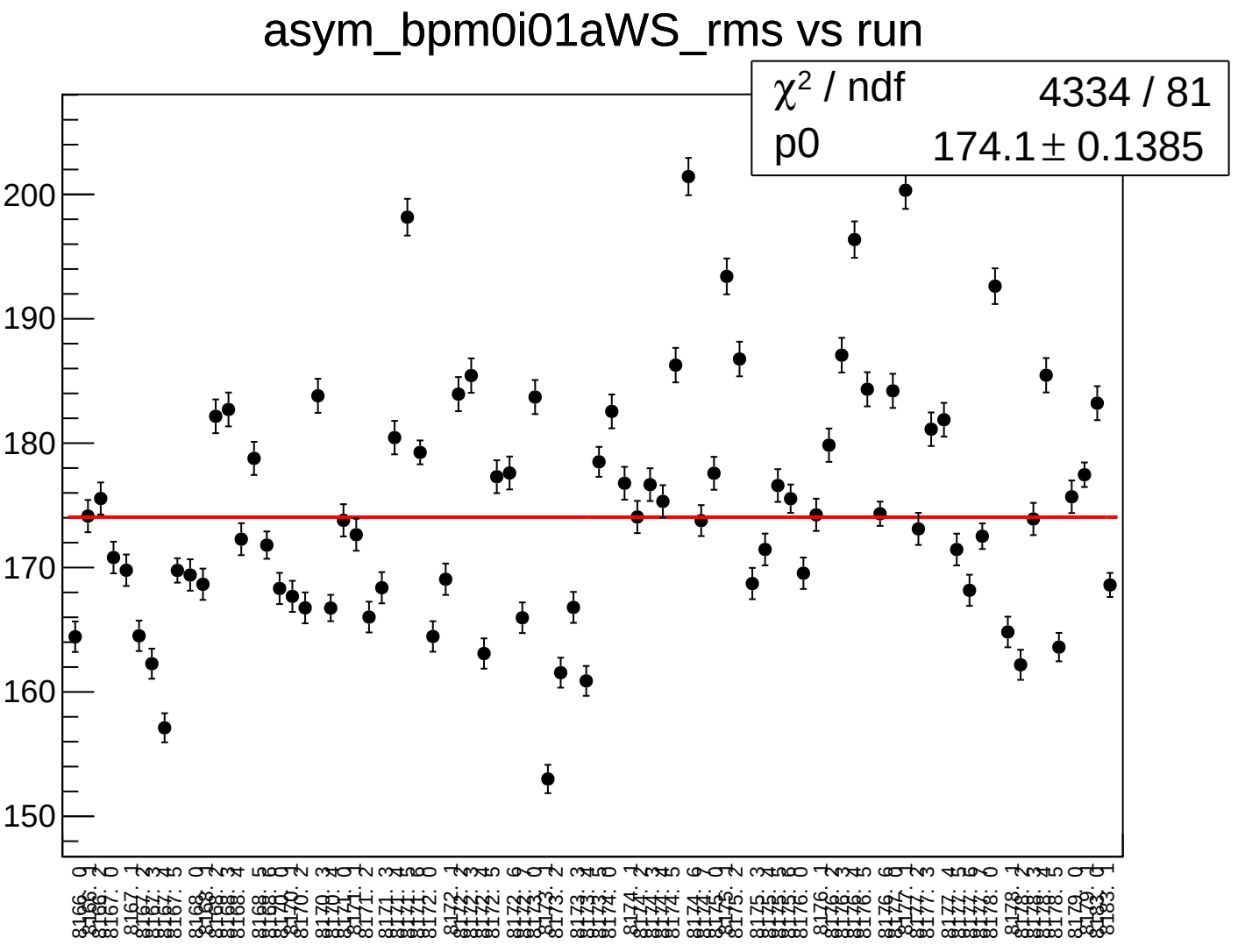

asym_bpm0i01WS_mean vs run
χ^2 / ndf 3182 / 81
p0 6792 ± 224.2
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 895.4
Std Dev 0
10
5
0
−5
−10

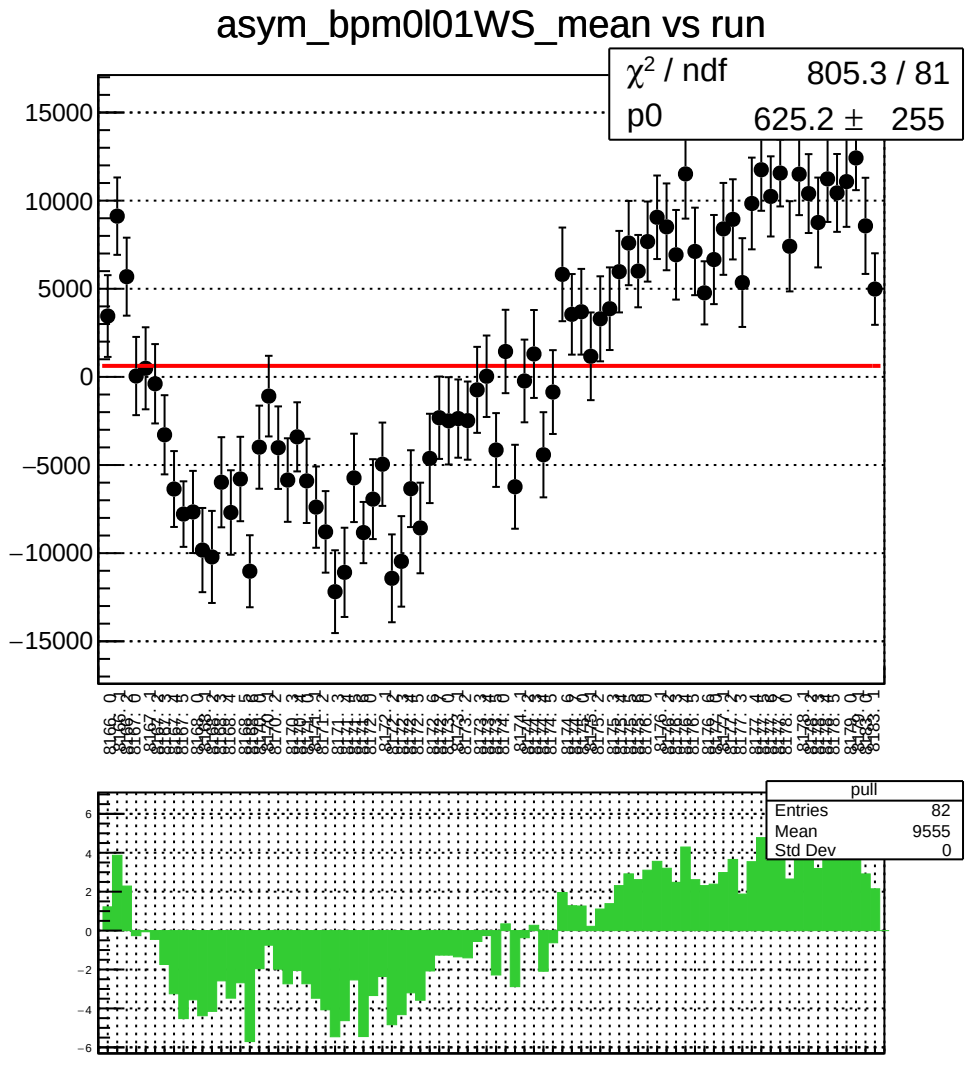

pull1D
Entries 82
Mean 1.29
Std Dev 4.869
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

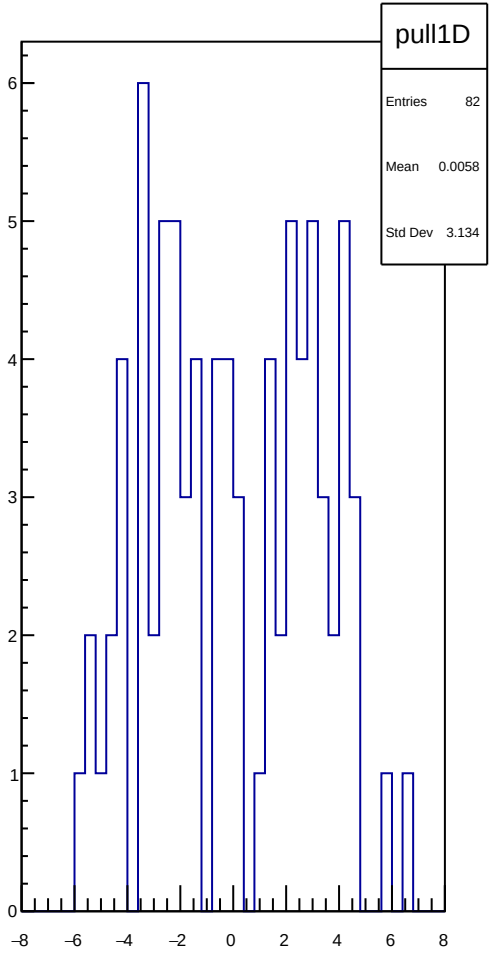

asym_bpm0i01WS_rms vs run
χ² / ndf 4649 / 81
p0 199.2 ± 0.1586
230
220
210
200
190
180
170

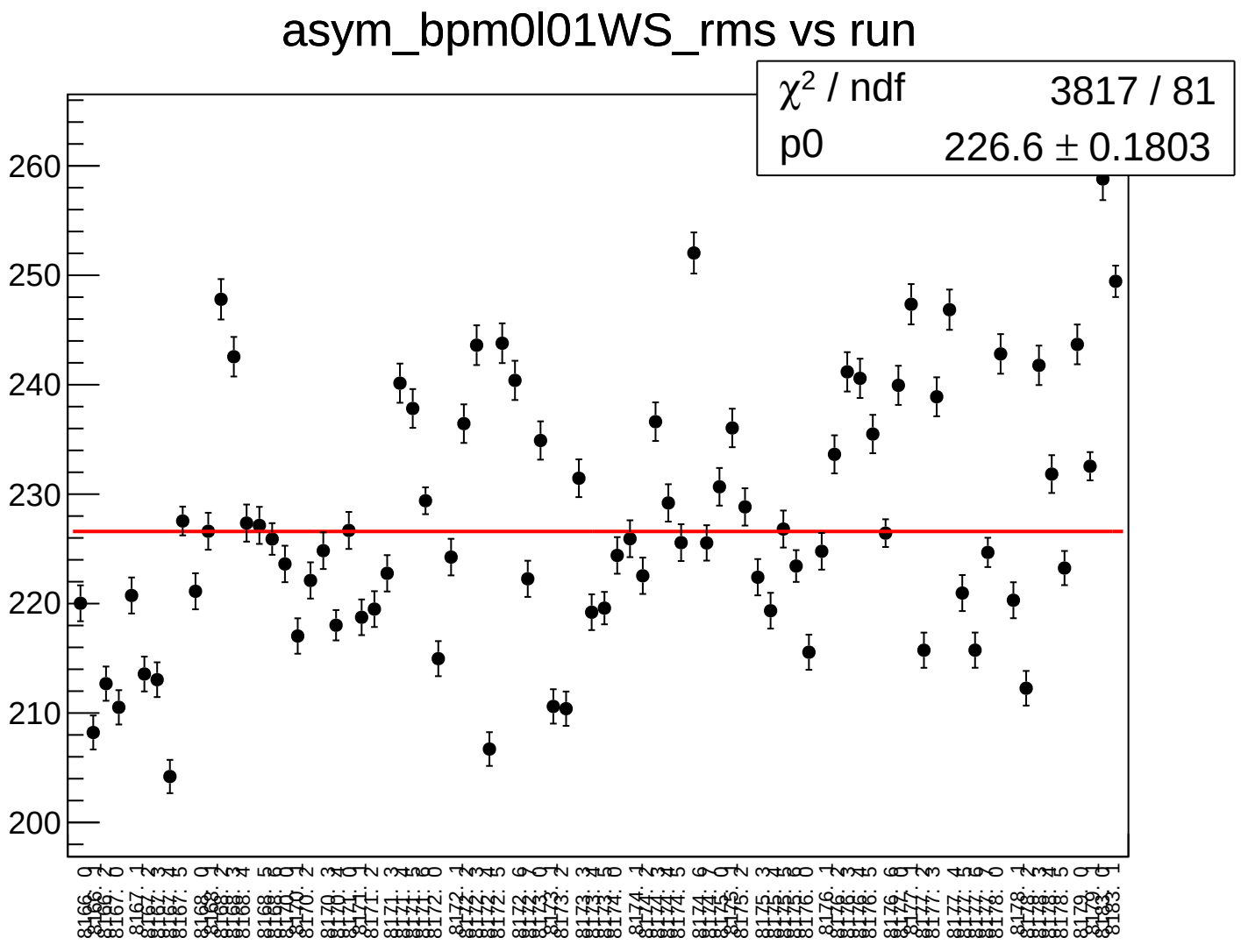

asym_bpm0i01aWS_mean vs run
χ² / ndf 4331 / 81
p0 7131 ± 195.9
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 2830
Std Dev 0
10
5
0
−5
−10
−15

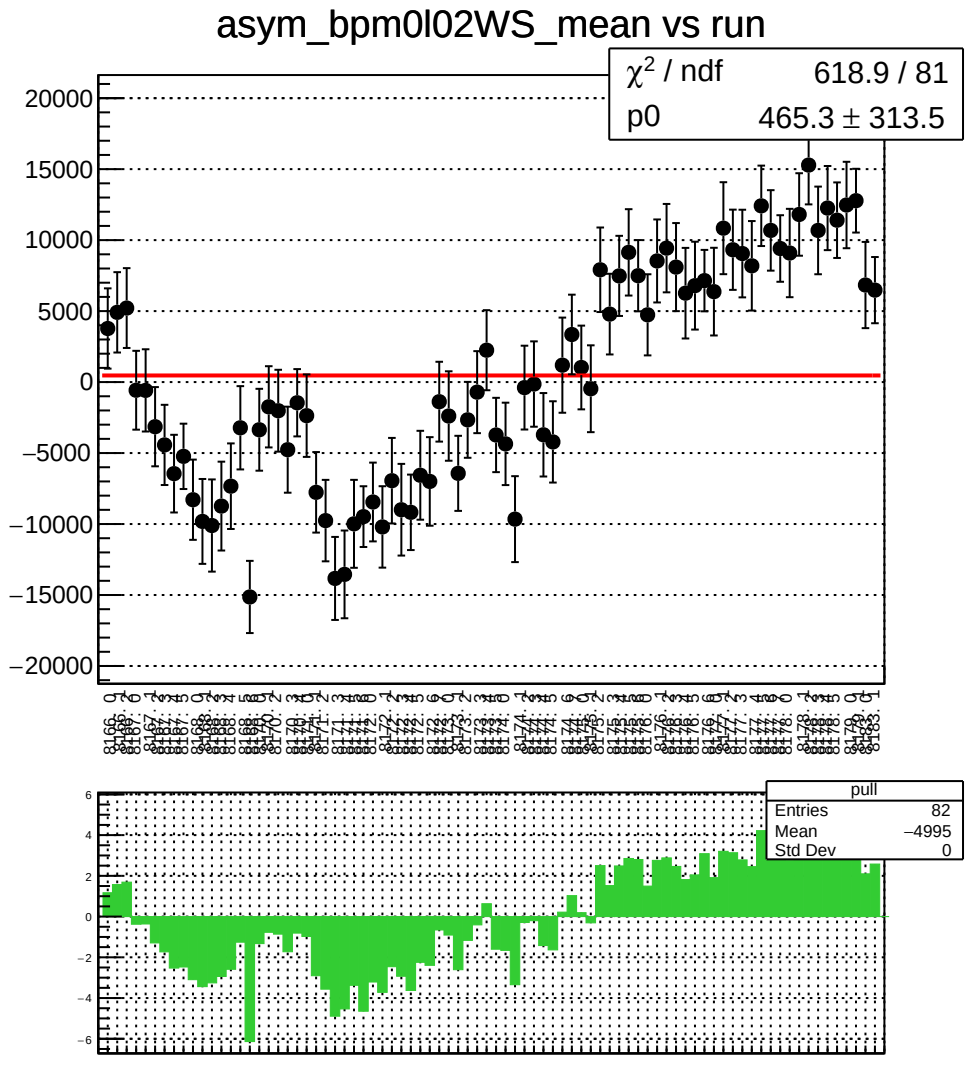

pull1D
Entries 82
Mean 1.567
Std Dev 4.296
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

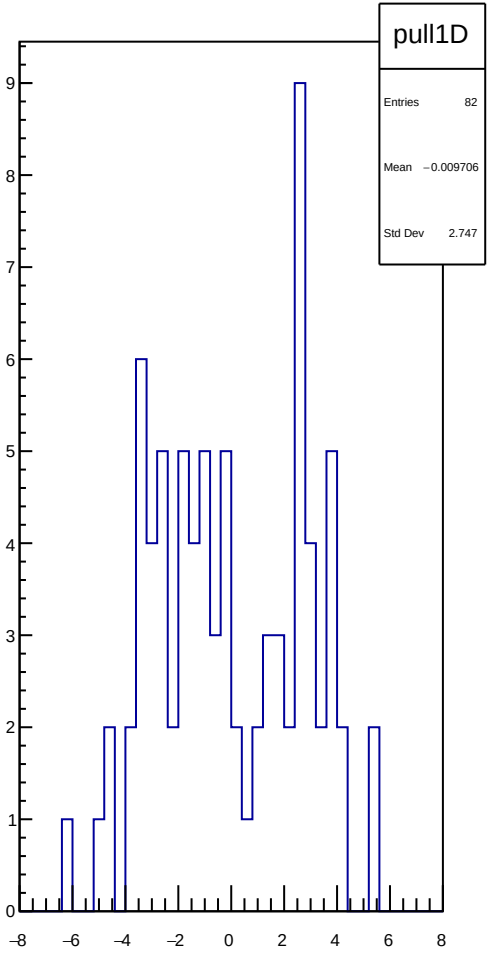

asym_bpm0i01aWS_rms vs run
χ² / ndf 4334 / 81
p0 174.1 ± 0.1385
200
190
180
170
160
150

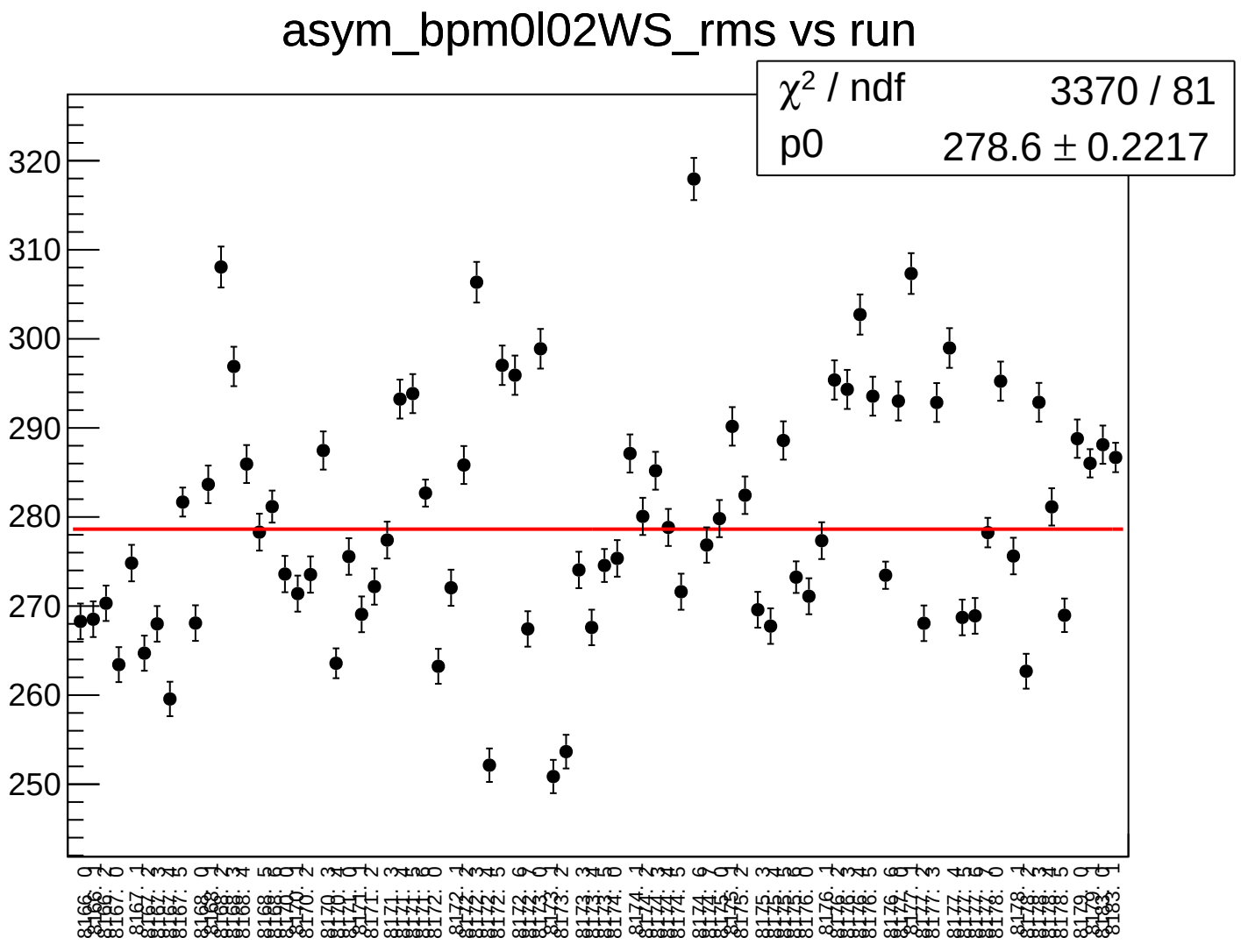

asym_bpm0l01WS_mean vs run
χ² / ndf 805.3 / 81
p0 625.2 ± 255
pull
Entries 82
Mean 9555
Std Dev 0

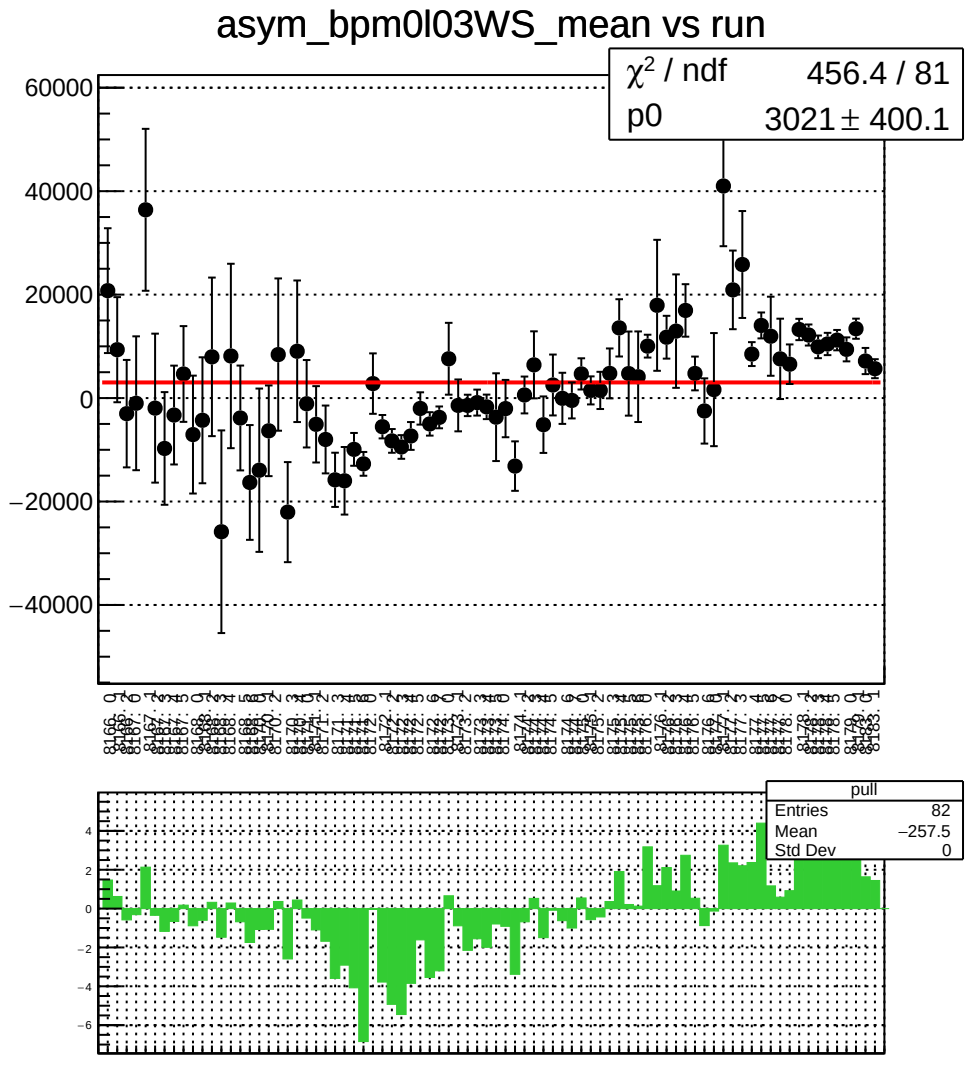

pull1D
Entries 82
Mean 0.0058
Std Dev 3.134

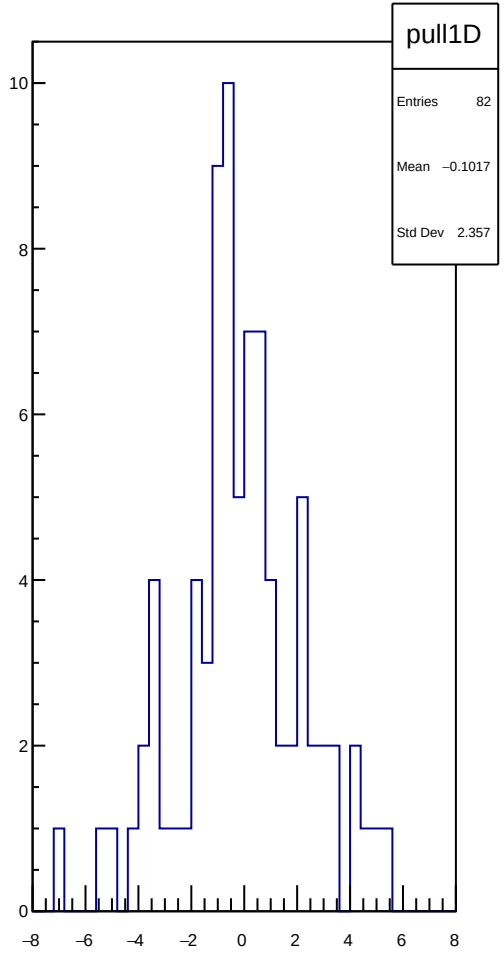

asym_bpm0l01WS_rms vs run
χ² / ndf 3817 / 81
p0 226.6 ± 0.1803
260
250
240
230
220
210
200

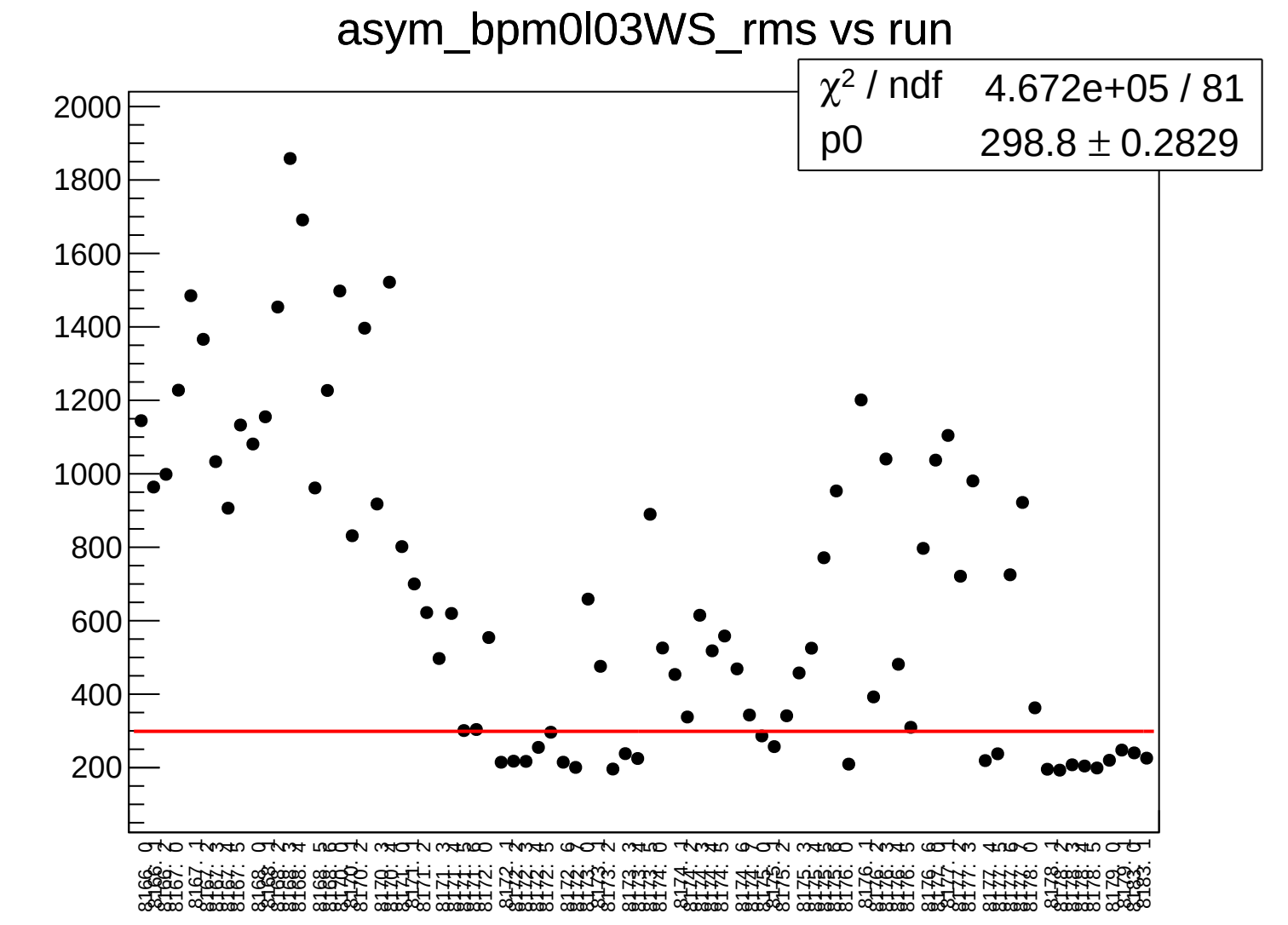

asym_bpm0l02WS_mean vs run
χ² / ndf 618.9 / 81
p0 465.3 ± 313.5
pull
Entries 82
Mean −4995
Std Dev 0

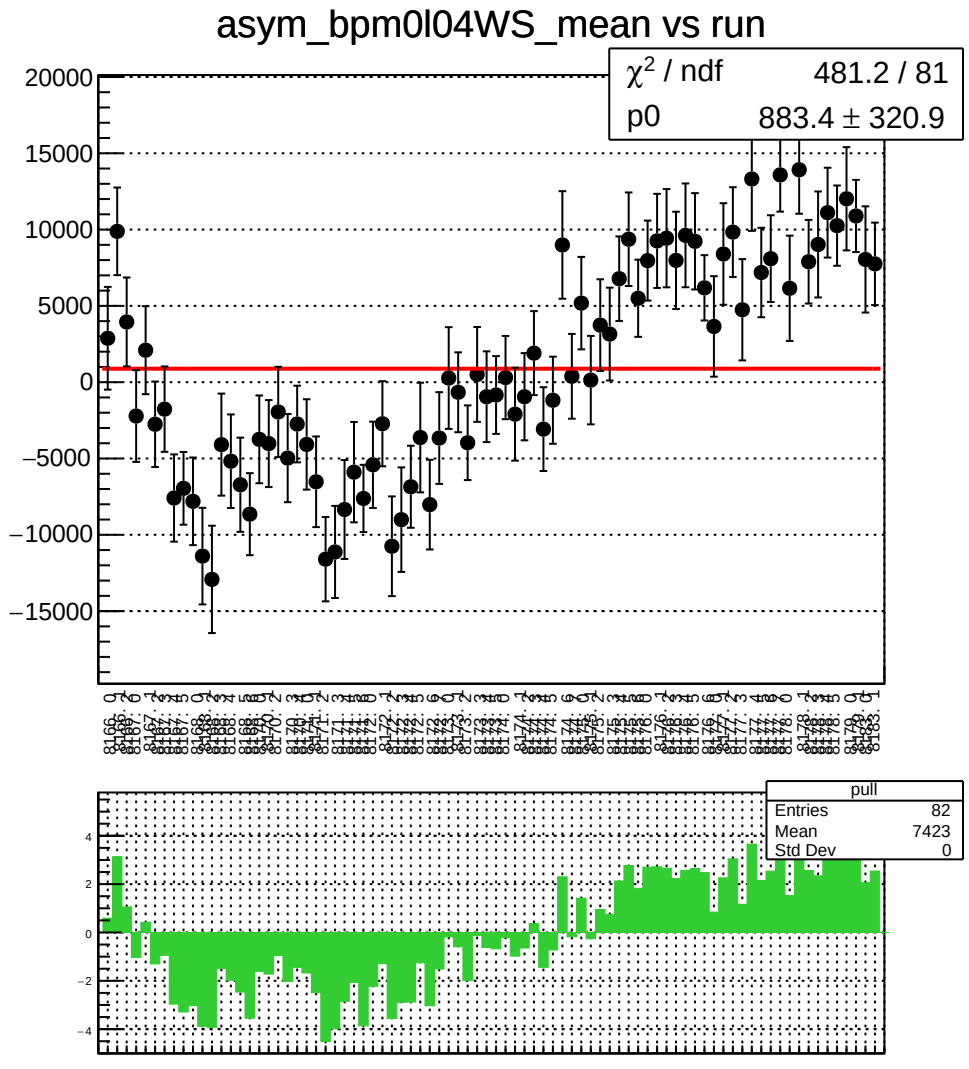

pull1D
Entries 82
Mean −0.009706
Std Dev 2.747

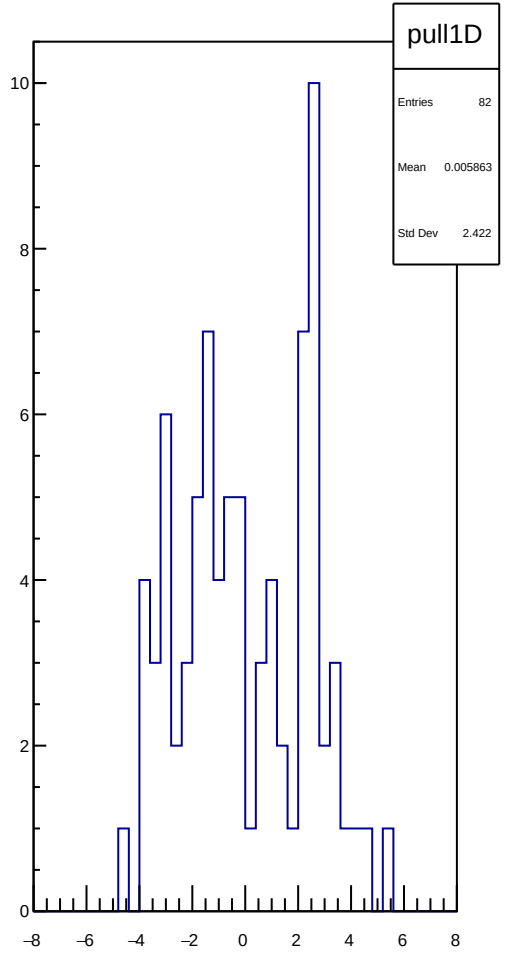

asym_bpm0l02WS_rms vs run
χ² / ndf 3370 / 81
p0 278.6 ± 0.2217
320
310
300
290
280
270
260
250

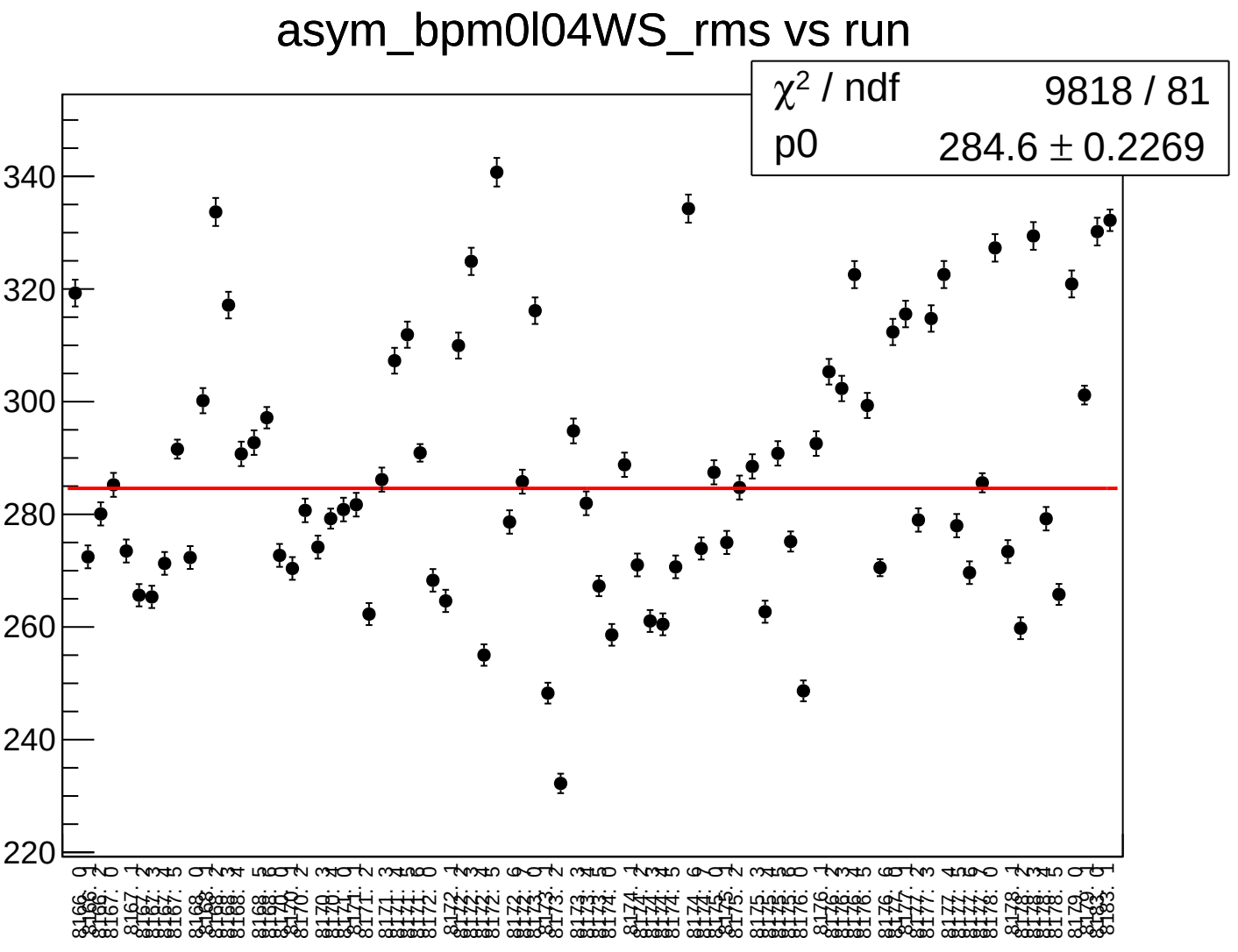

asym_bpm0l03WS_mean vs run
χ² / ndf 456.4 / 81
p0 3021 ± 400.1
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −257.5
Std Dev 0
4
2
0
−2
−4
−6

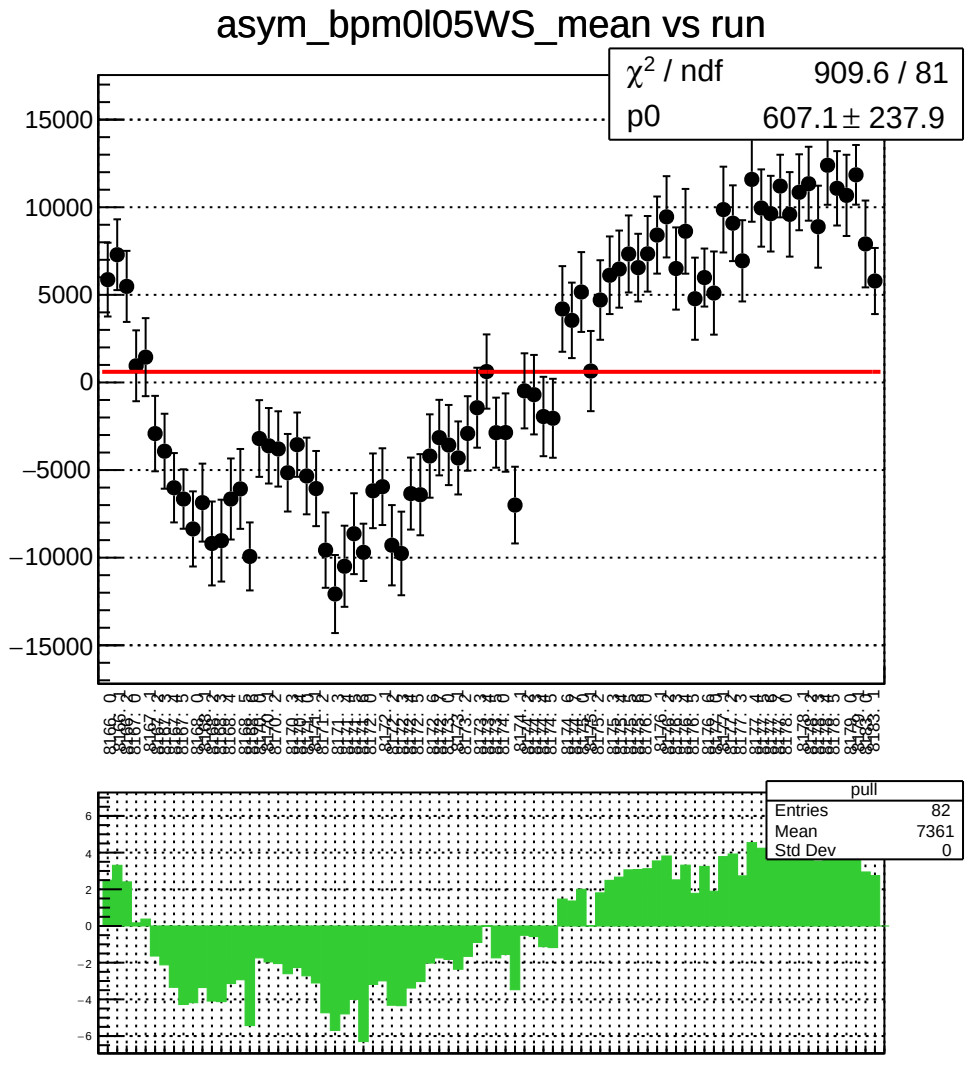

pull1D
Entries 82
Mean −0.1017
Std Dev 2.357
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

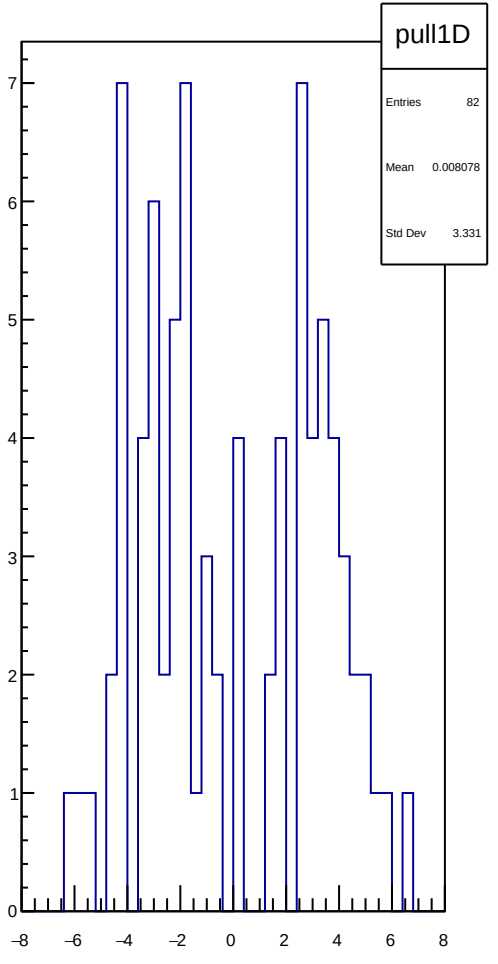

asym_bpm0l03WS_rms vs run
χ² / ndf 4.672e+05 / 81
p0 298.8 ± 0.2829
2000
1800
1600
1400
1200
1000
800
600
400
200

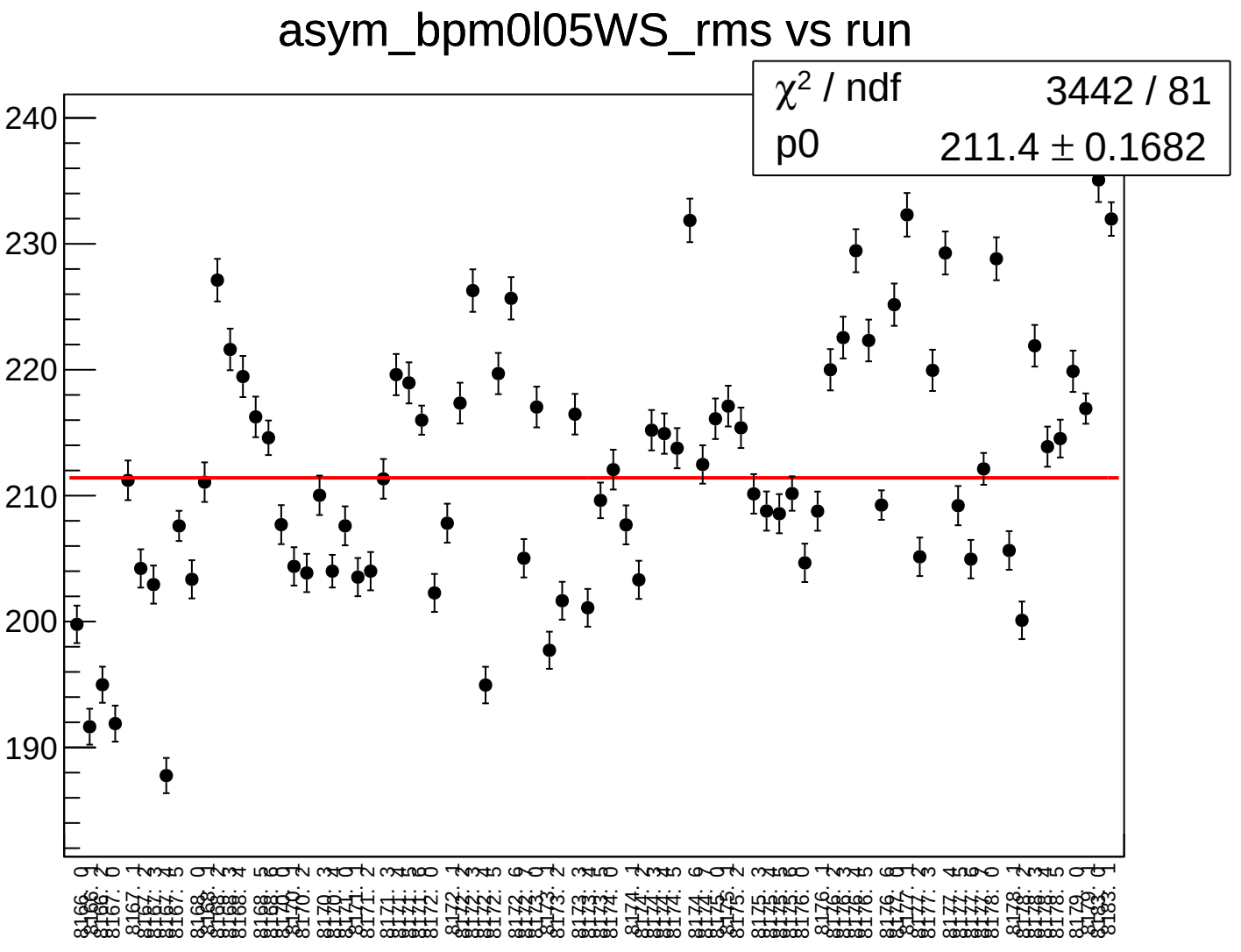

asym_bpm0l04WS_mean vs run
χ² / ndf 481.2 / 81
p0 883.4 ± 320.9
pull
Entries 82
Mean 7423
Std Dev 0

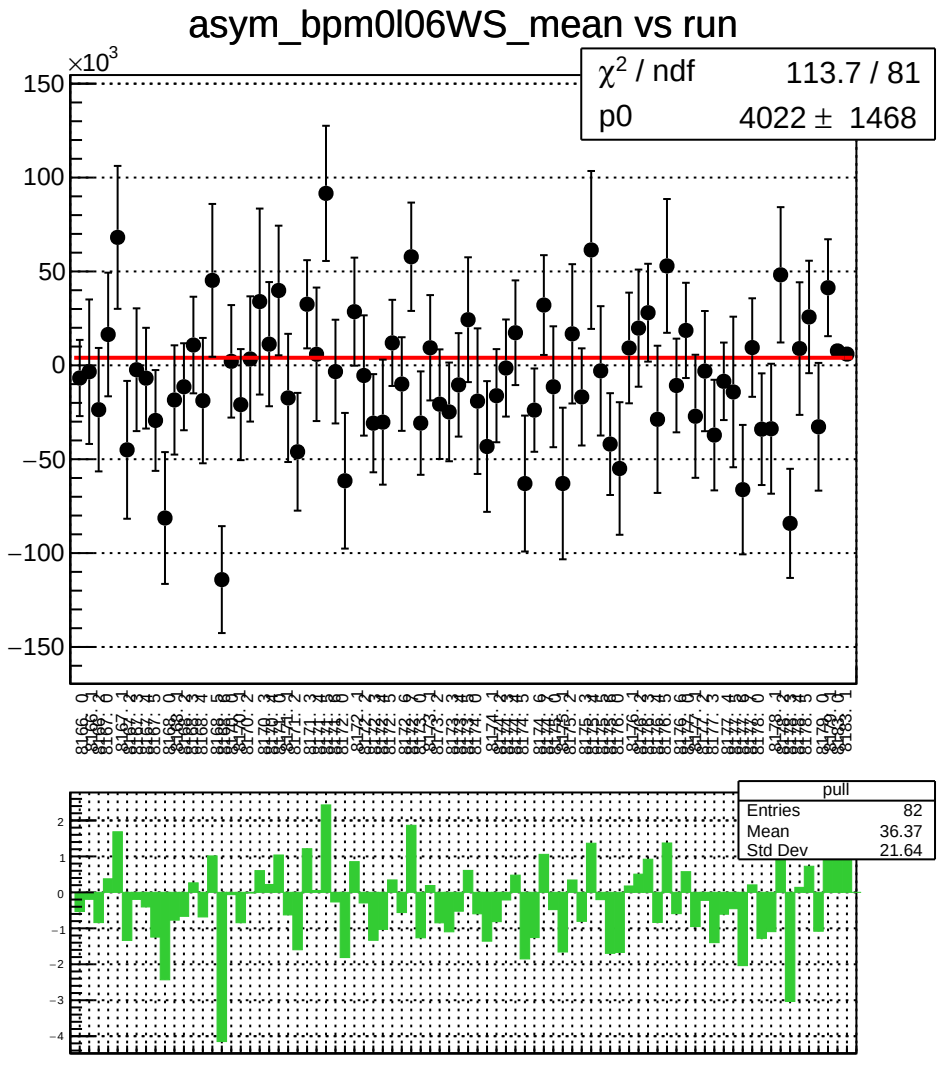

pull1D
Entries 82
Mean 0.005863
Std Dev 2.422

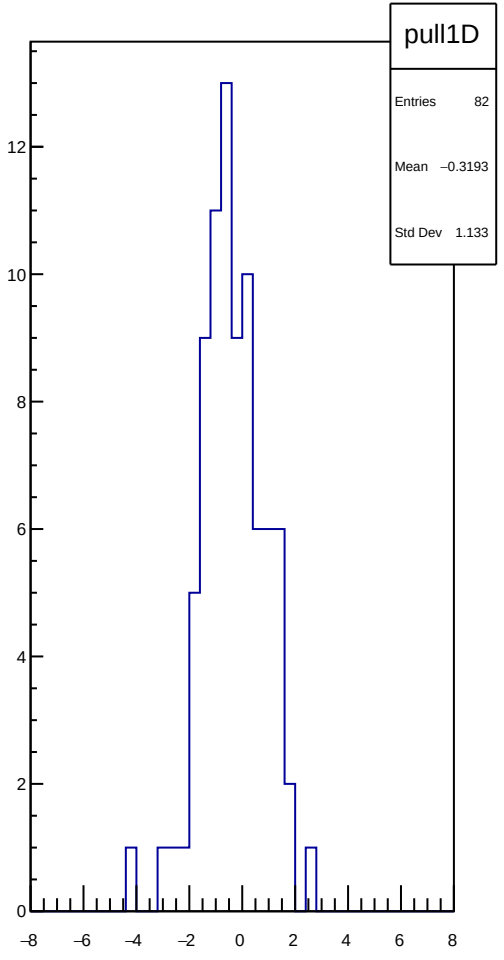

asym_bpm0l04WS_rms vs run
χ² / ndf 9818 / 81
p0 284.6 ± 0.2269
340
320
300
280
260
240
220

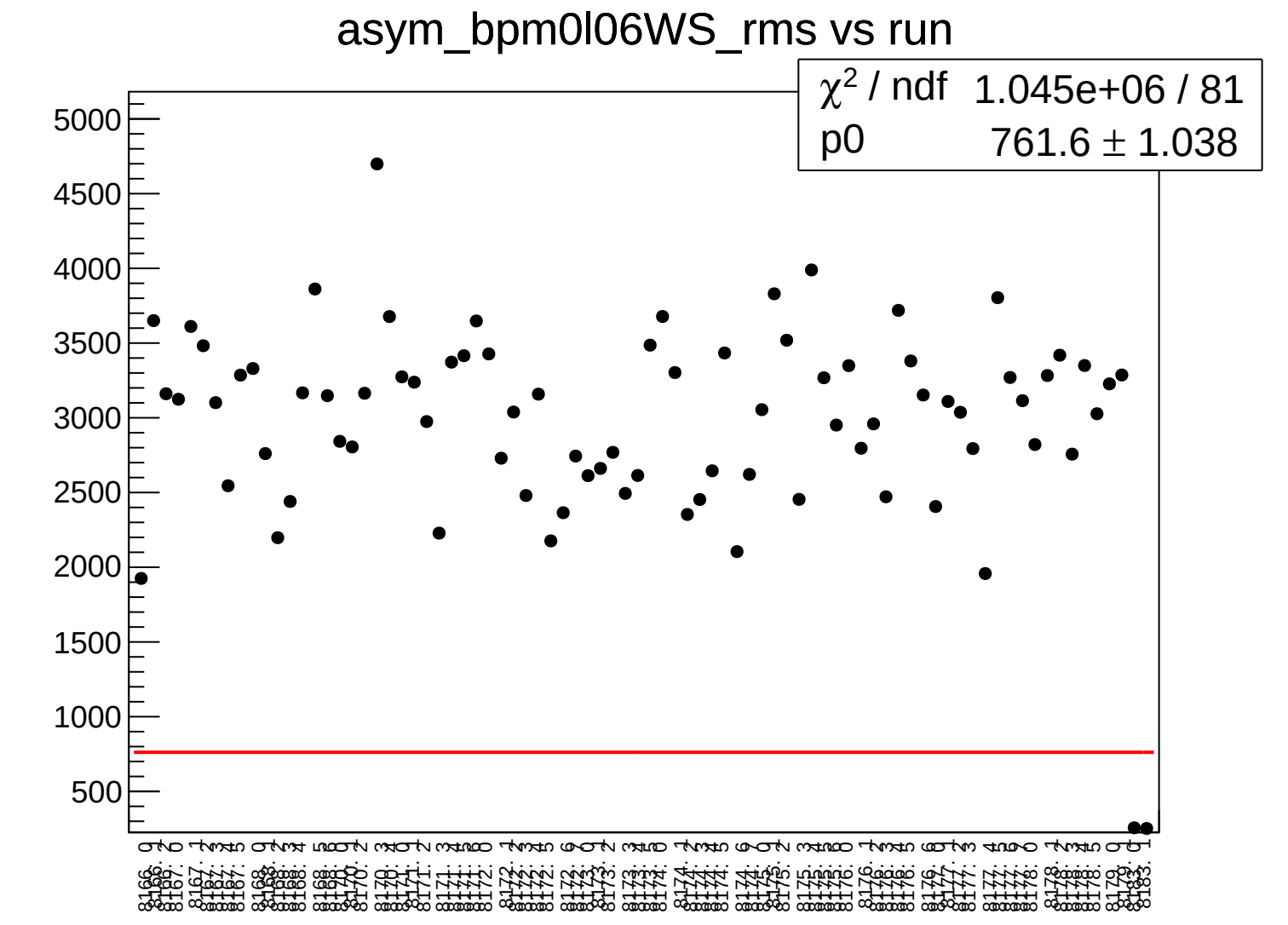

asym_bpm0l05WS_mean vs run
χ² / ndf 909.6 / 81
p0 607.1 ± 237.9
pull
Entries 82
Mean 7361
Std Dev 0

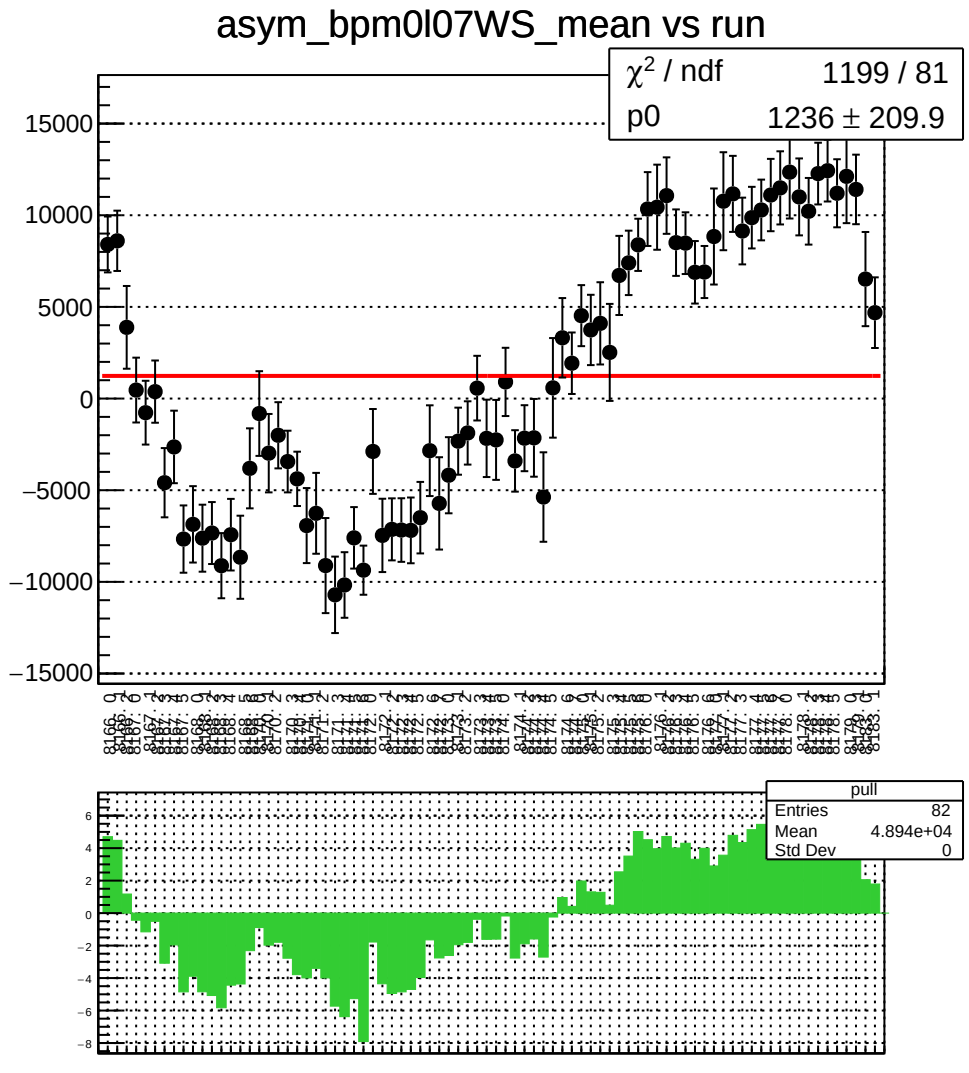

pull1D
Entries 82
Mean 0.008078
Std Dev 3.331

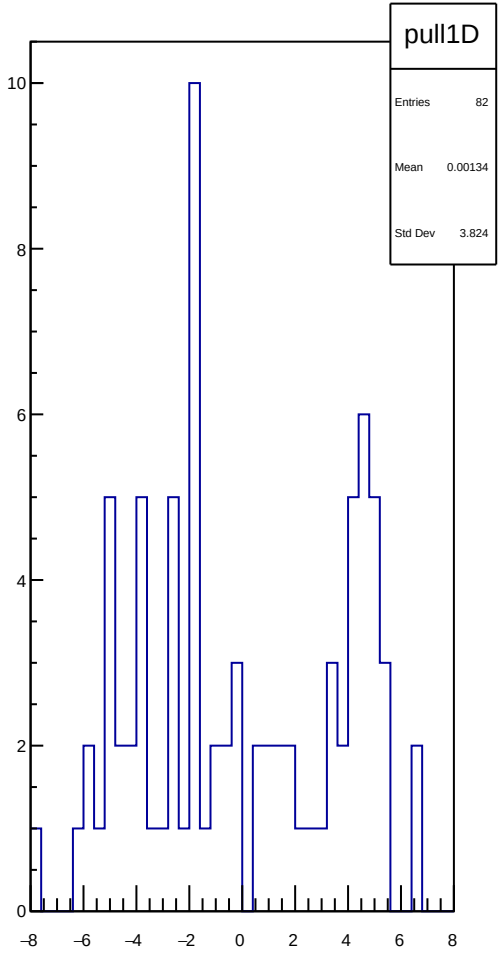

asym_bpm0l05WS_rms vs run
χ² / ndf 3442 / 81
p0 211.4 ± 0.1682
240
230
220
210
200
190

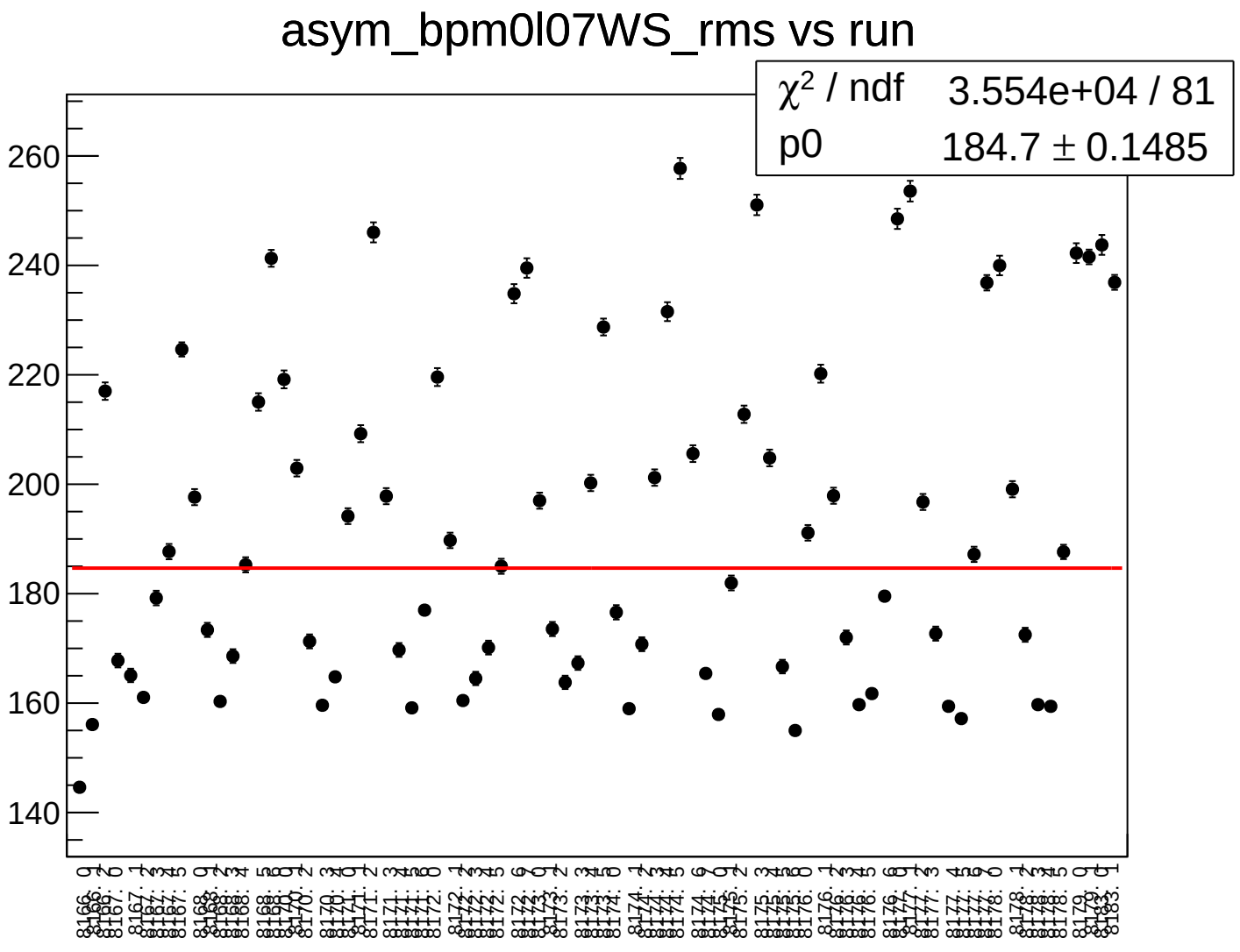

asym_bpm0l06WS_mean vs run
×10^3
χ^2 / ndf 113.7 / 81
p0 4022 ± 1468
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 36.37
Std Dev 21.64
2
1
0
−1
−2
−3
−4

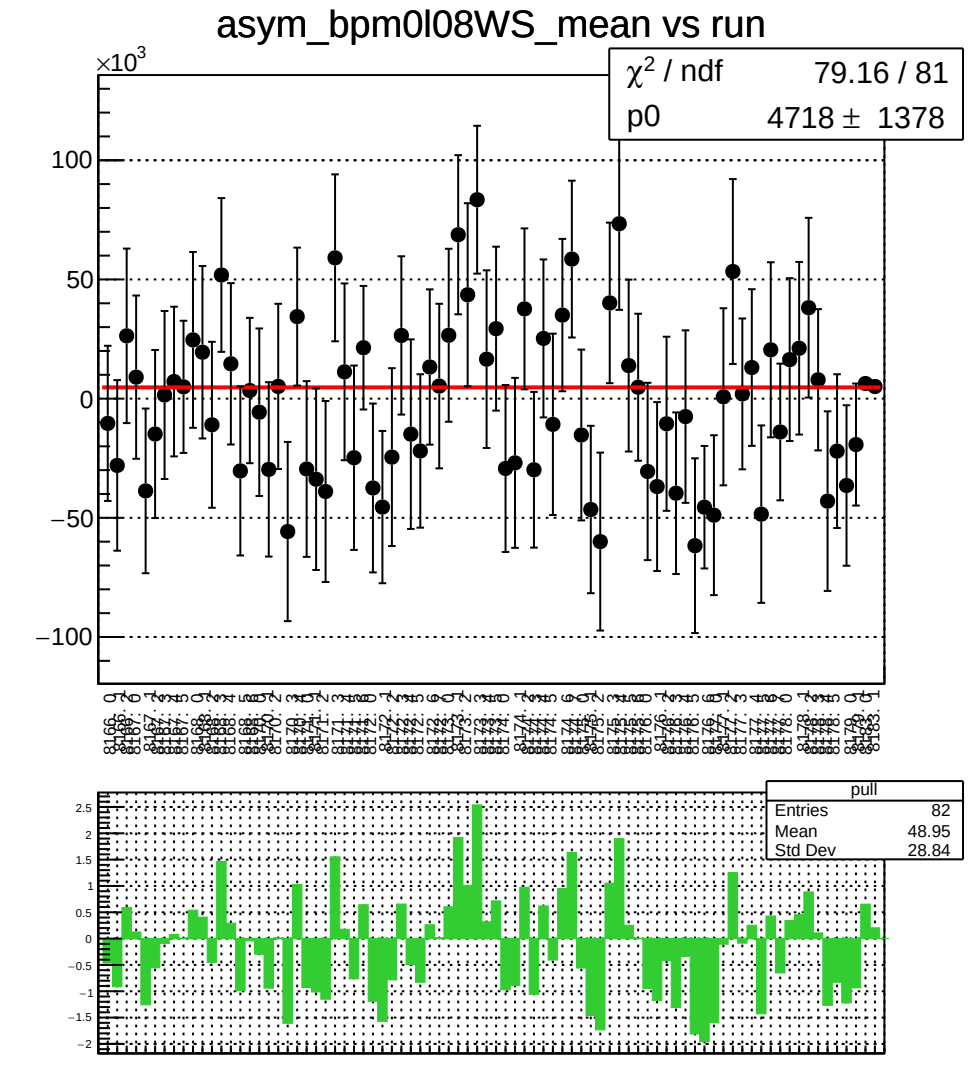

pull1D
Entries 82
Mean −0.3193
Std Dev 1.133
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

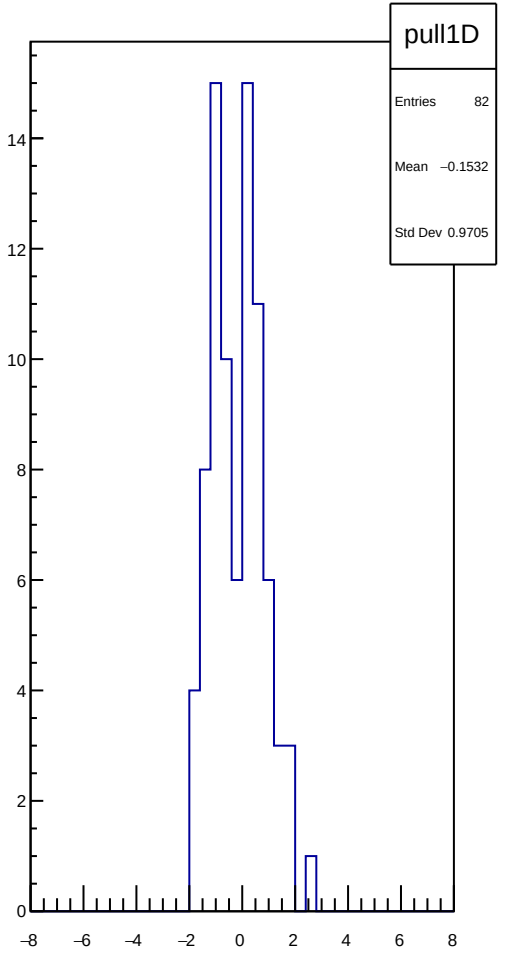

asym_bpm0l06WS_rms vs run
χ^2 / ndf 1.045e+06 / 81
p0 761.6 ± 1.038
5000
4500
4000
3500
3000
2500
2000
1500
1000
500

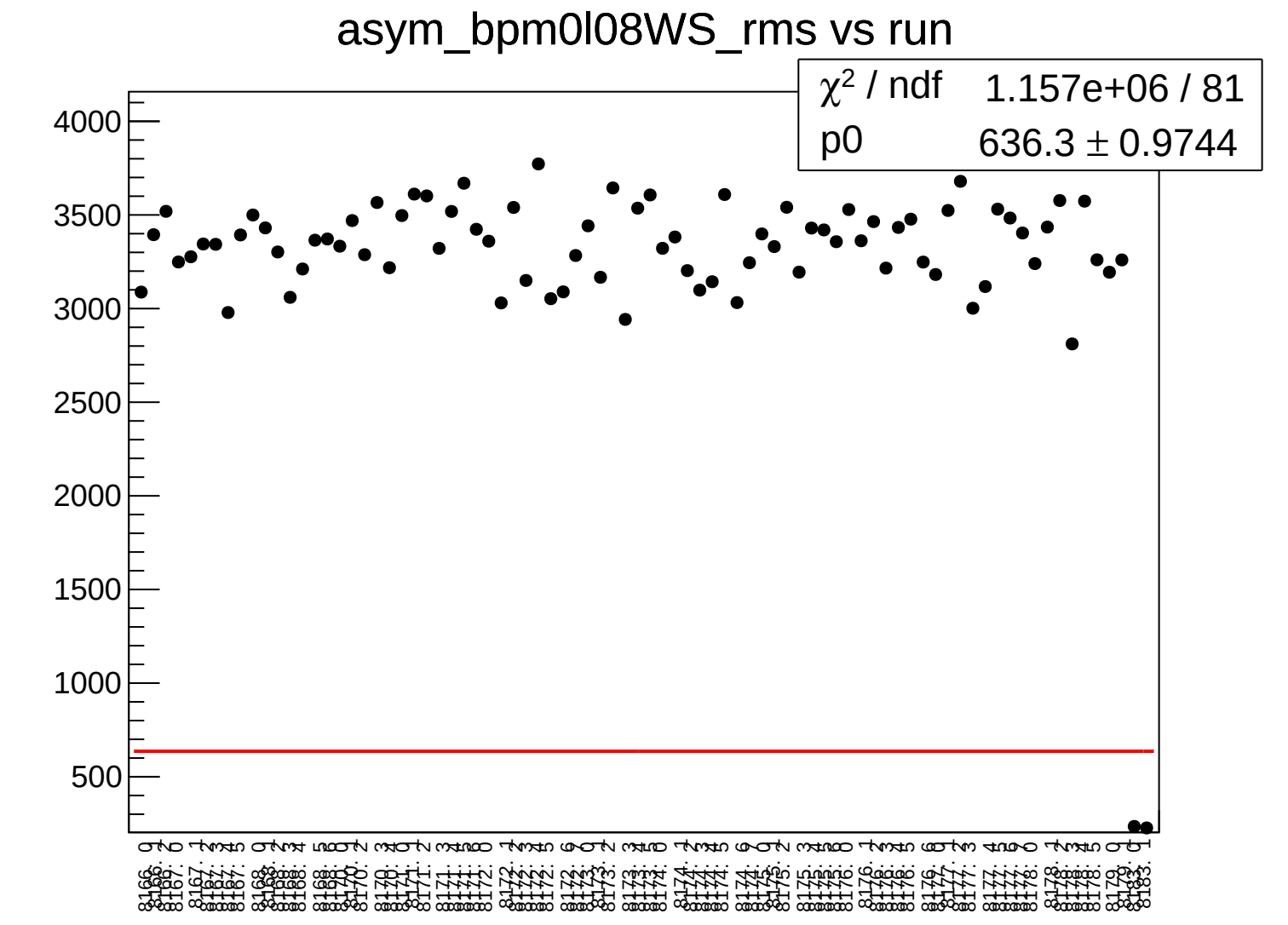

asym_bpm0l07WS_mean vs run
χ² / ndf 1199 / 81
p0 1236 ± 209.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 4.894e+04
Std Dev 0
6
4
2
0
−2
−4
−6
−8

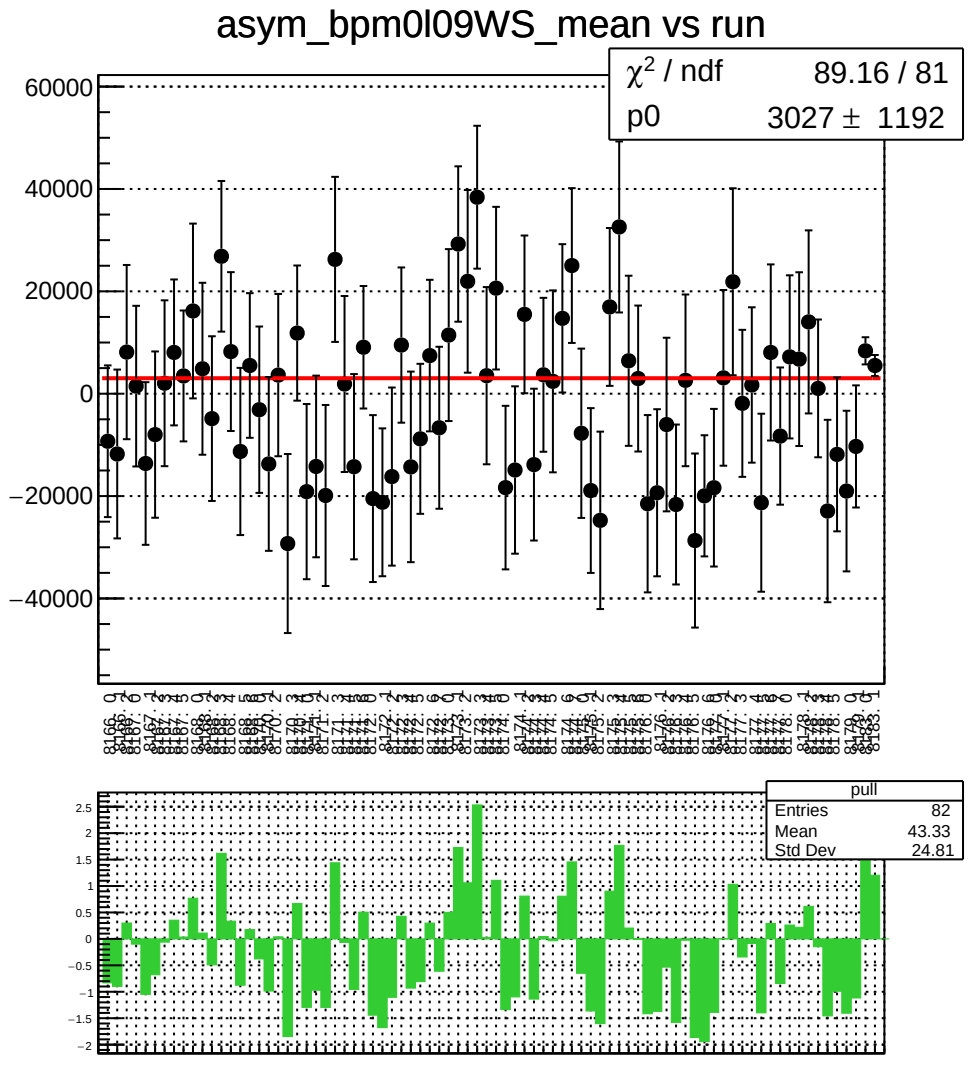

pull1D
Entries 82
Mean 0.00134
Std Dev 3.824
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

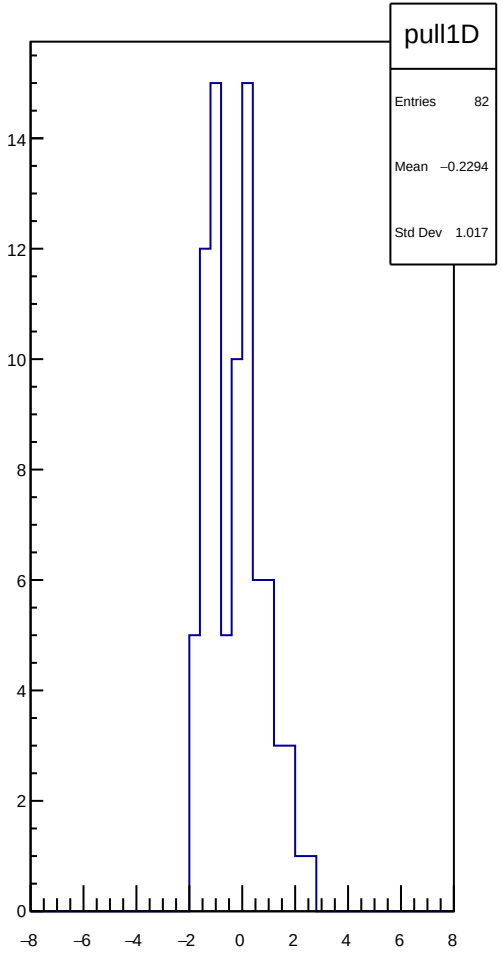

asym_bpm0l07WS_rms vs run
χ² / ndf 3.554e+04 / 81
p0 184.7 ± 0.1485
260
240
220
200
180
160
140

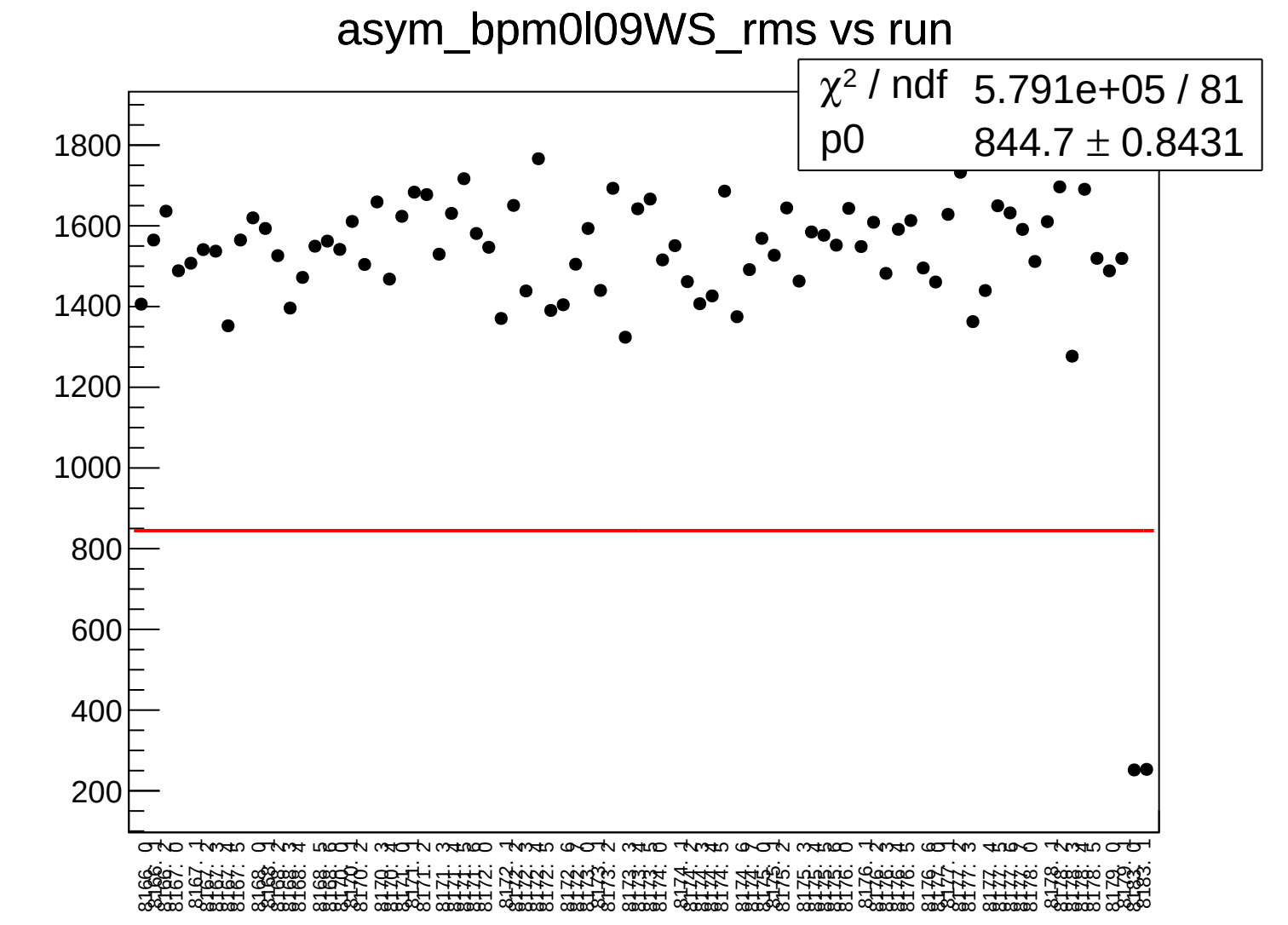

asym_bpm0l08WS_mean vs run
χ² / ndf 79.16 / 81
p0 4718 ± 1378
×10³
100
50
0
−50
−100
pull
Entries 82
Mean 48.95
Std Dev 28.84
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

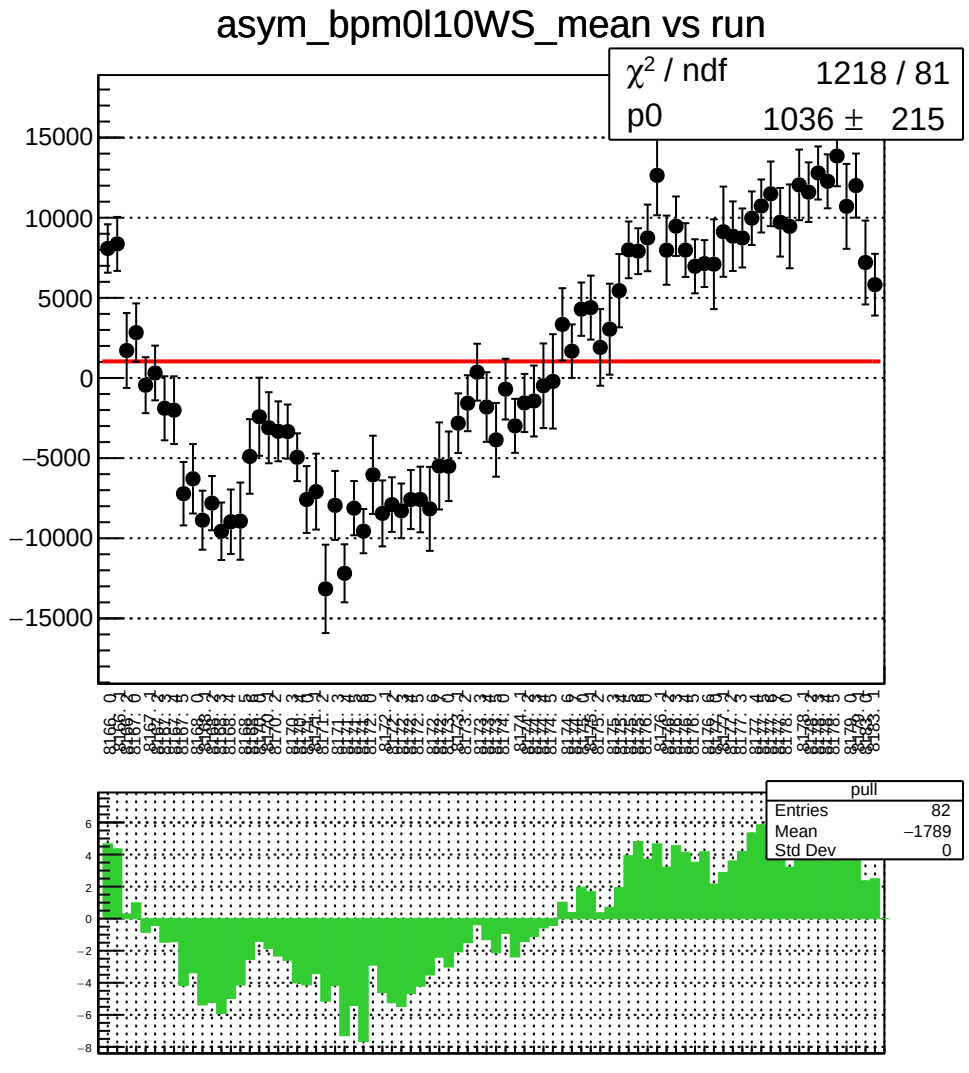

pull1D
Entries 82
Mean −0.1532
Std Dev 0.9705
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

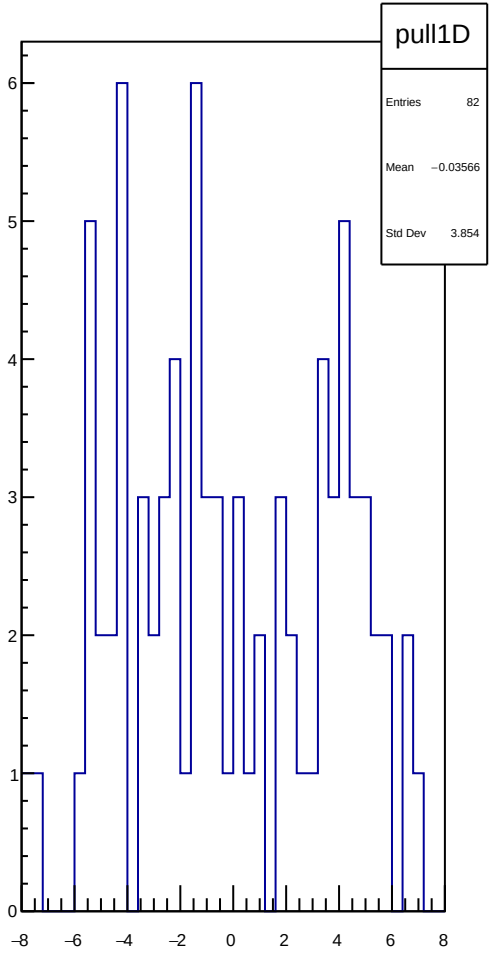

asym_bpm0l08WS_rms vs run
χ^2 / ndf 1.157e+06 / 81
p0 636.3 ± 0.9744
4000
3500
3000
2500
2000
1500
1000
500

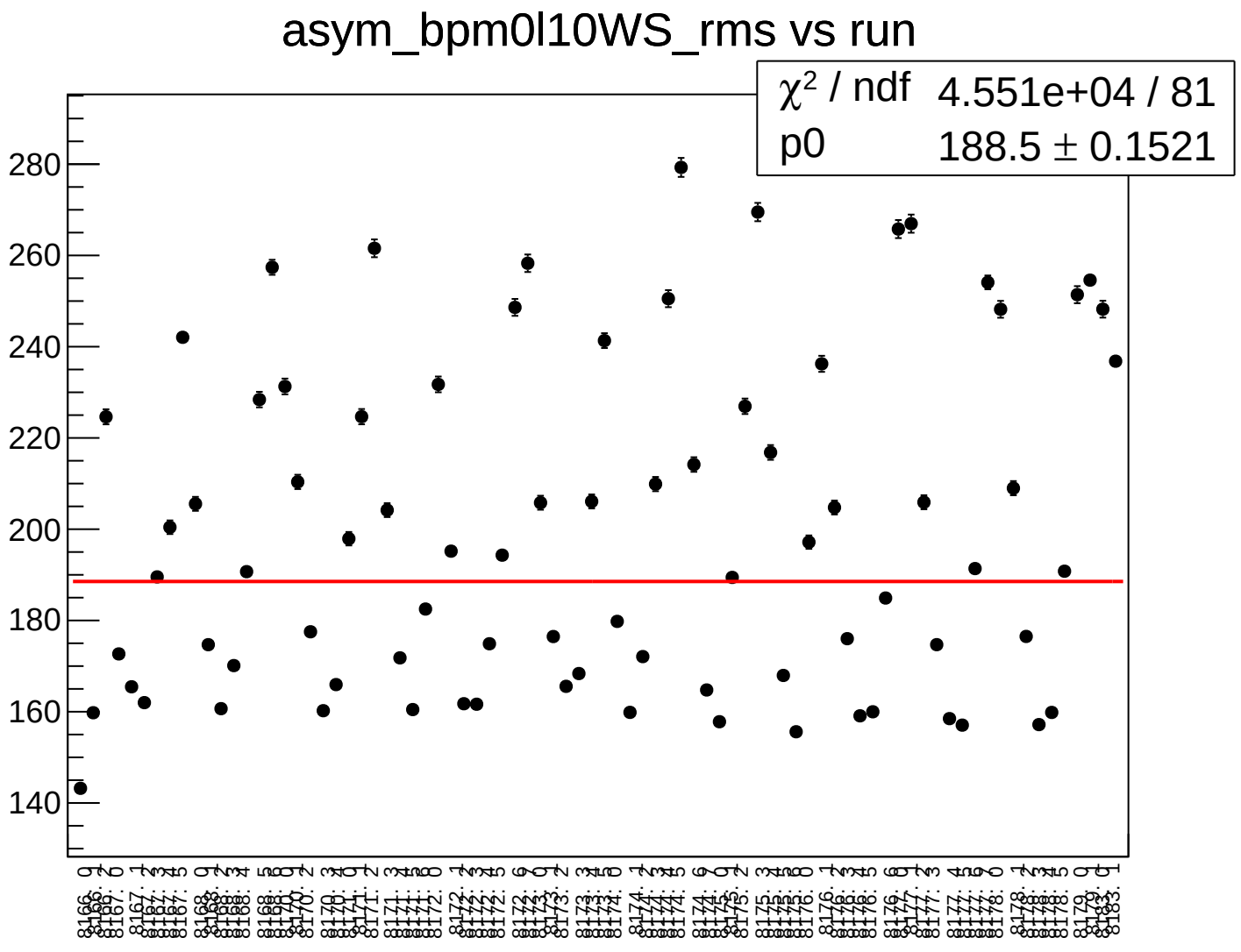

asym_bpm0l09WS_mean vs run
χ² / ndf 89.16 / 81
p0 3027 ± 1192
pull
Entries 82
Mean 43.33
Std Dev 24.81

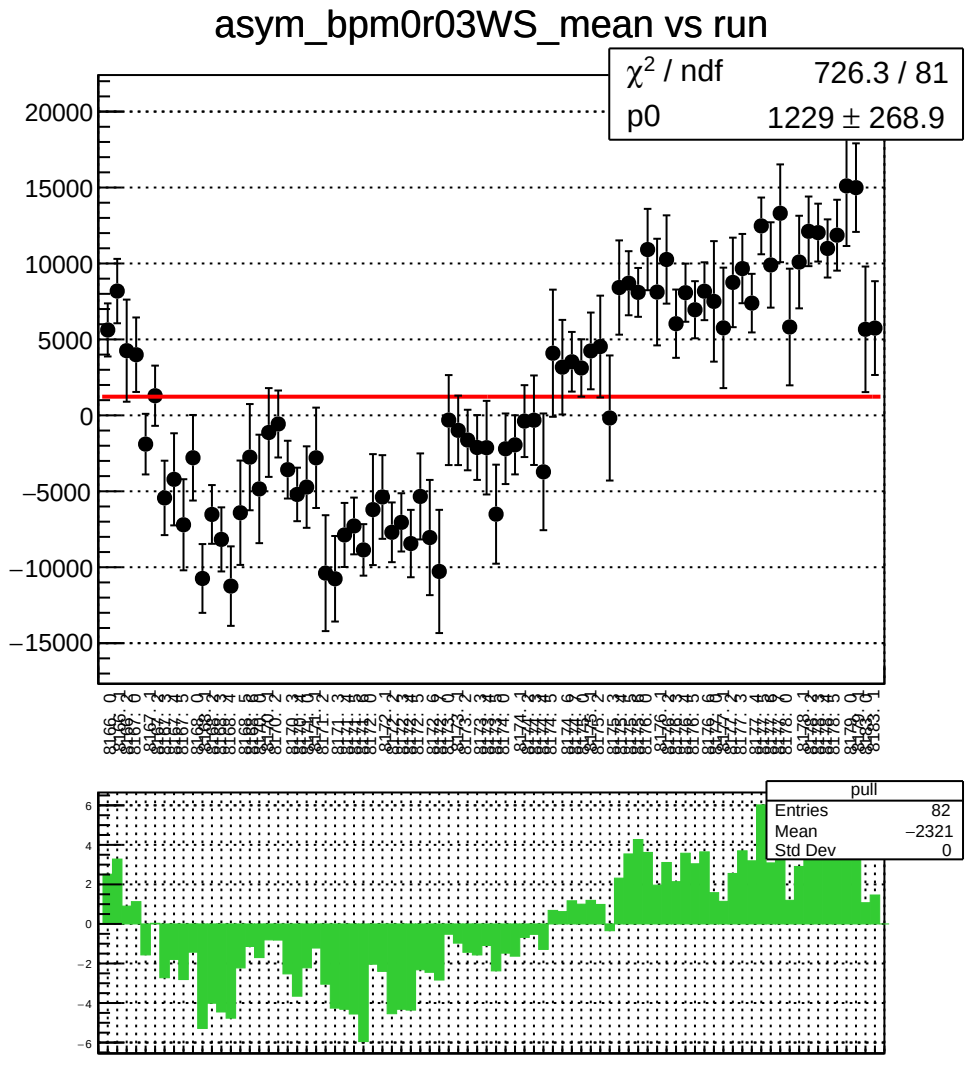

pull1D
Entries 82
Mean −0.2294
Std Dev 1.017

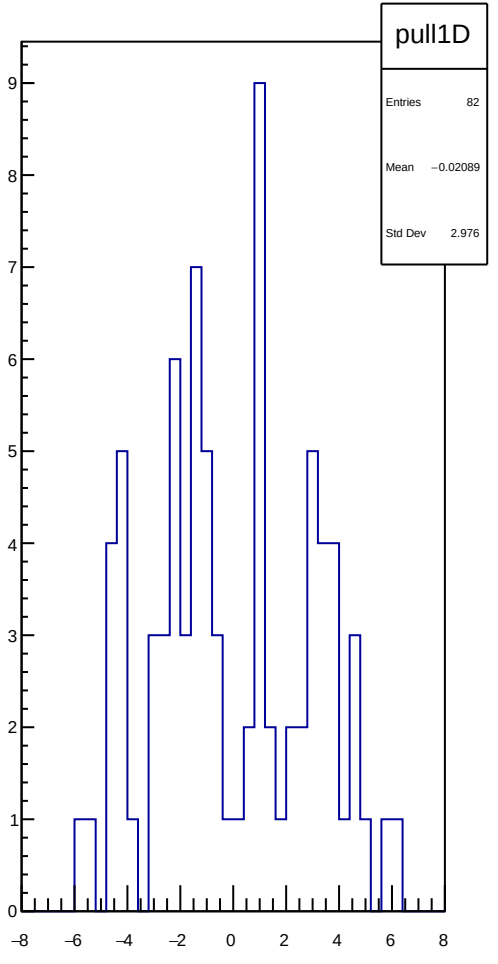

asym_bpm0l09WS_rms vs run
χ² / ndf 5.791e+05 / 81
p0 844.7 ± 0.8431
1800
1600
1400
1200
1000
800
600
400
200

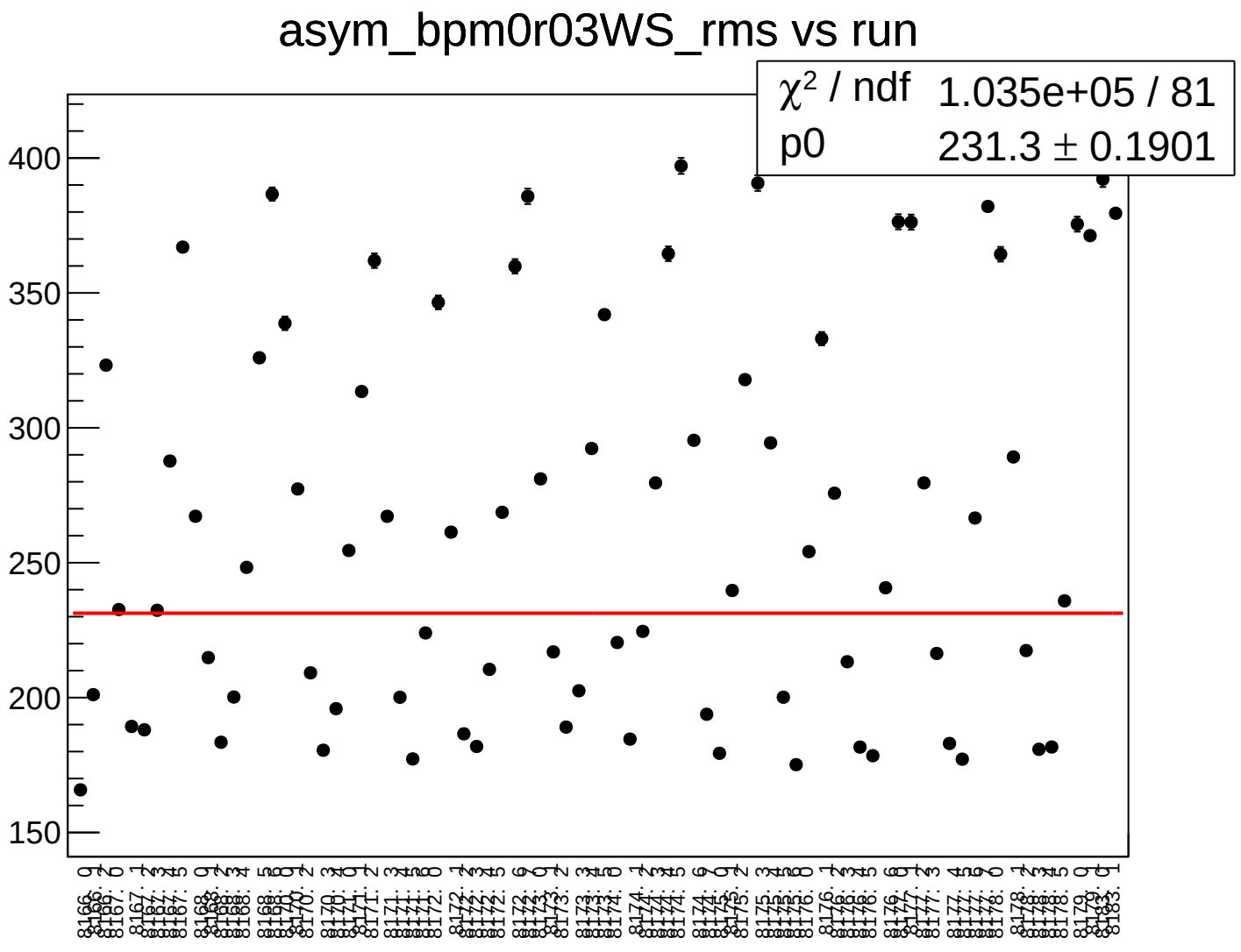

asym_bpm0l10WS_mean vs run
χ² / ndf 1218 / 81
p0 1036 ± 215
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −1789
Std Dev 0
6
4
2
0
−2
−4
−6
−8

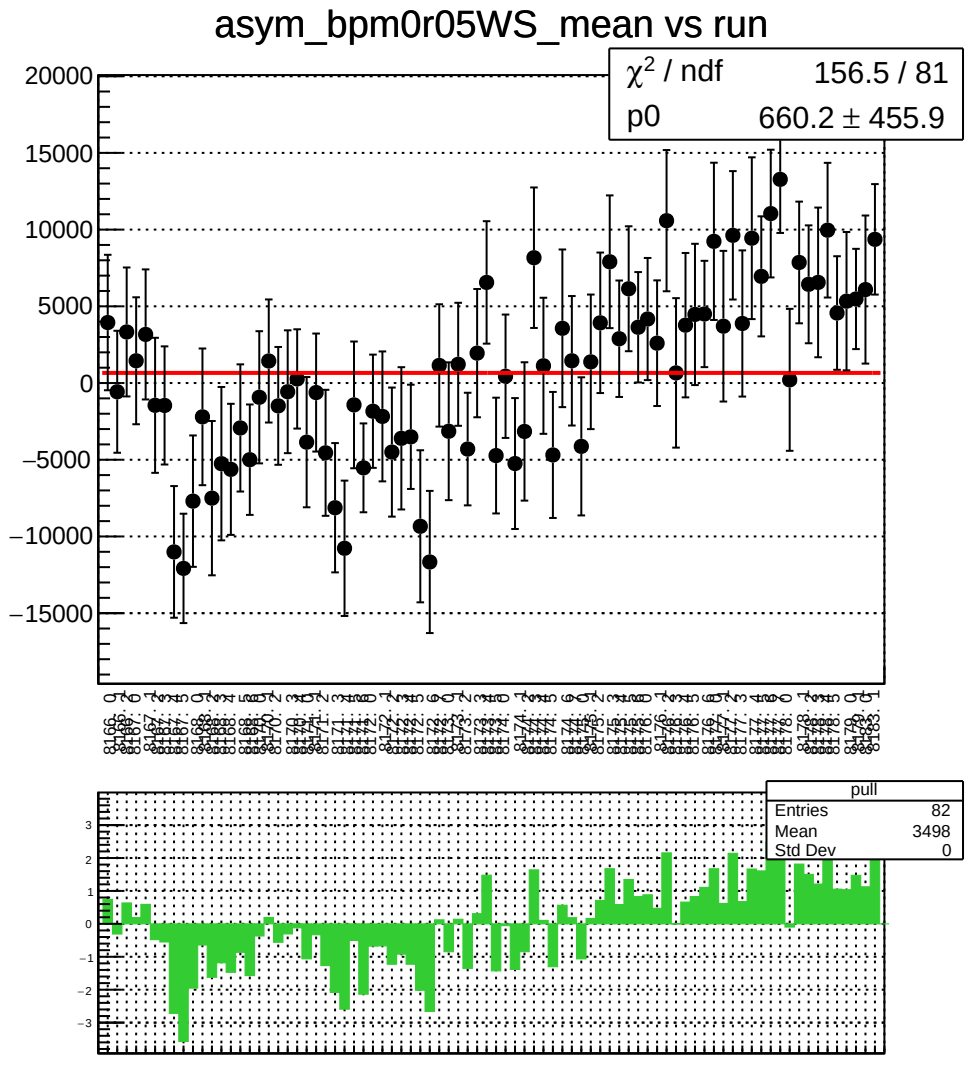

pull1D
Entries 82
Mean −0.03566
Std Dev 3.854
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

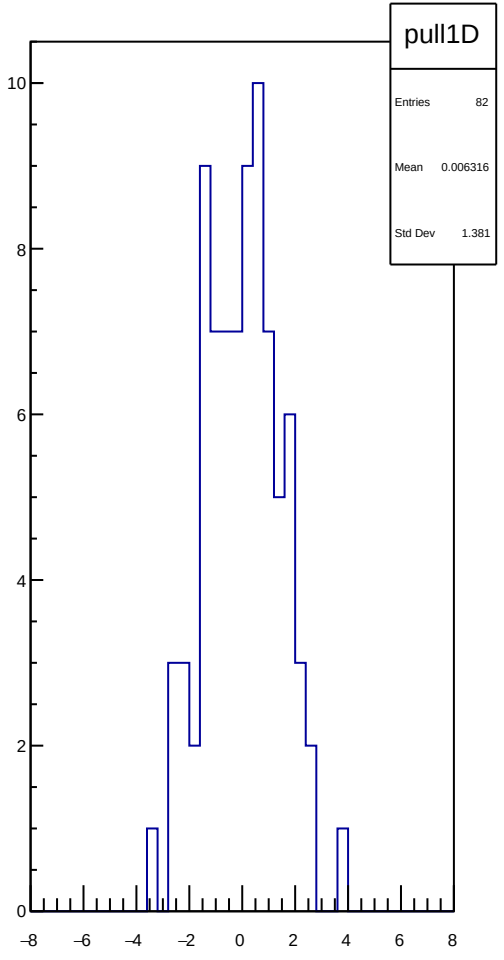

asym_bpm0l10WS_rms vs run
χ² / ndf 4.551e+04 / 81
p0 188.5 ± 0.1521
280
260
240
220
200
180
160
140

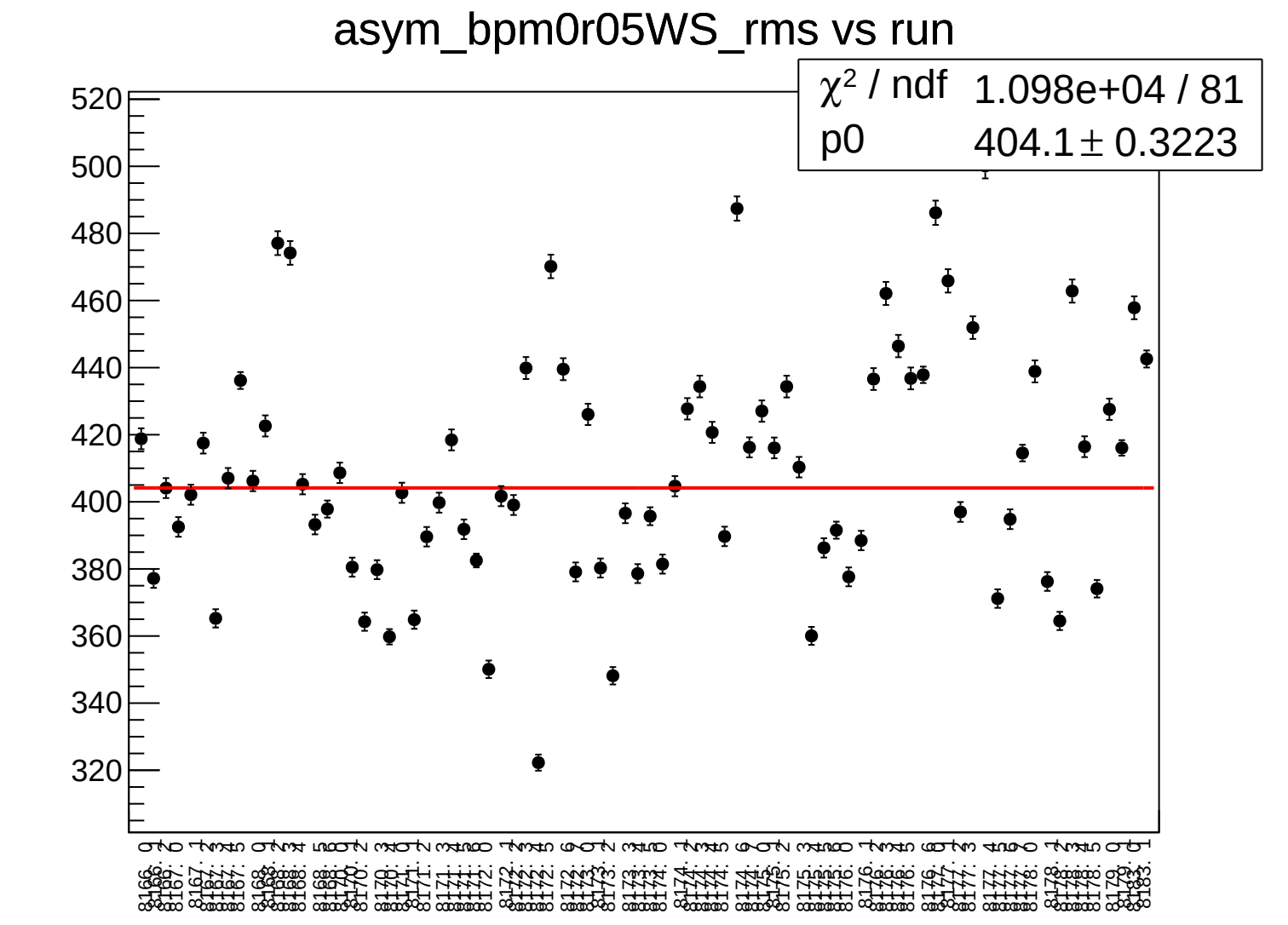

asym_bpm0r03WS_mean vs run
χ² / ndf 726.3 / 81
p0 1229 ± 268.9
pull
Entries 82
Mean −2321
Std Dev 0

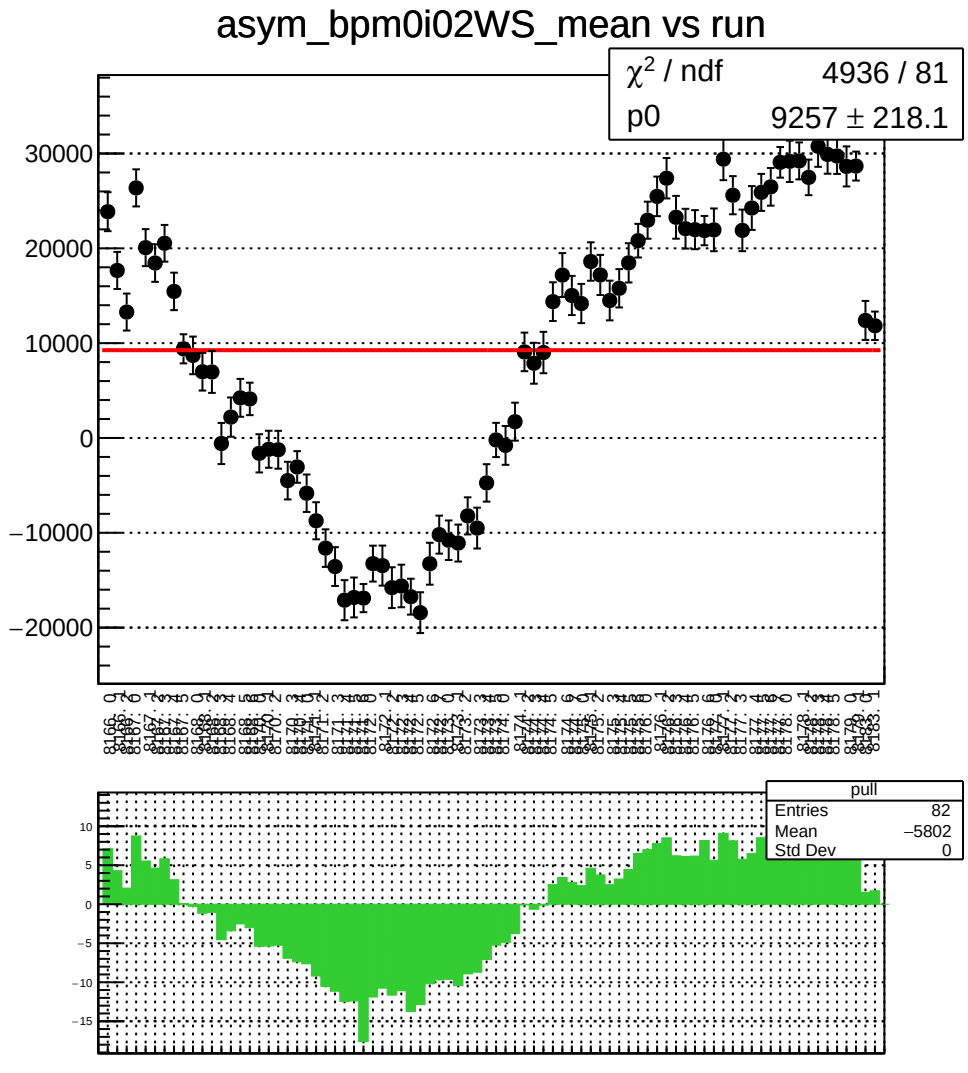

pull1D
Entries 82
Mean −0.02089
Std Dev 2.976

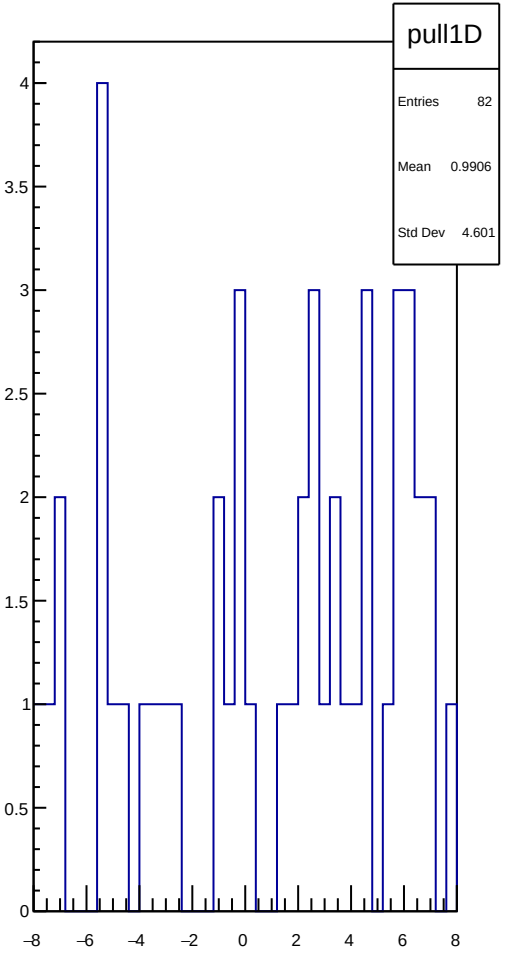

asym_bpm0r03WS_rms vs run
χ² / ndf 1.035e+05 / 81
p0 231.3 ± 0.1901
400
350
300
250
200
150

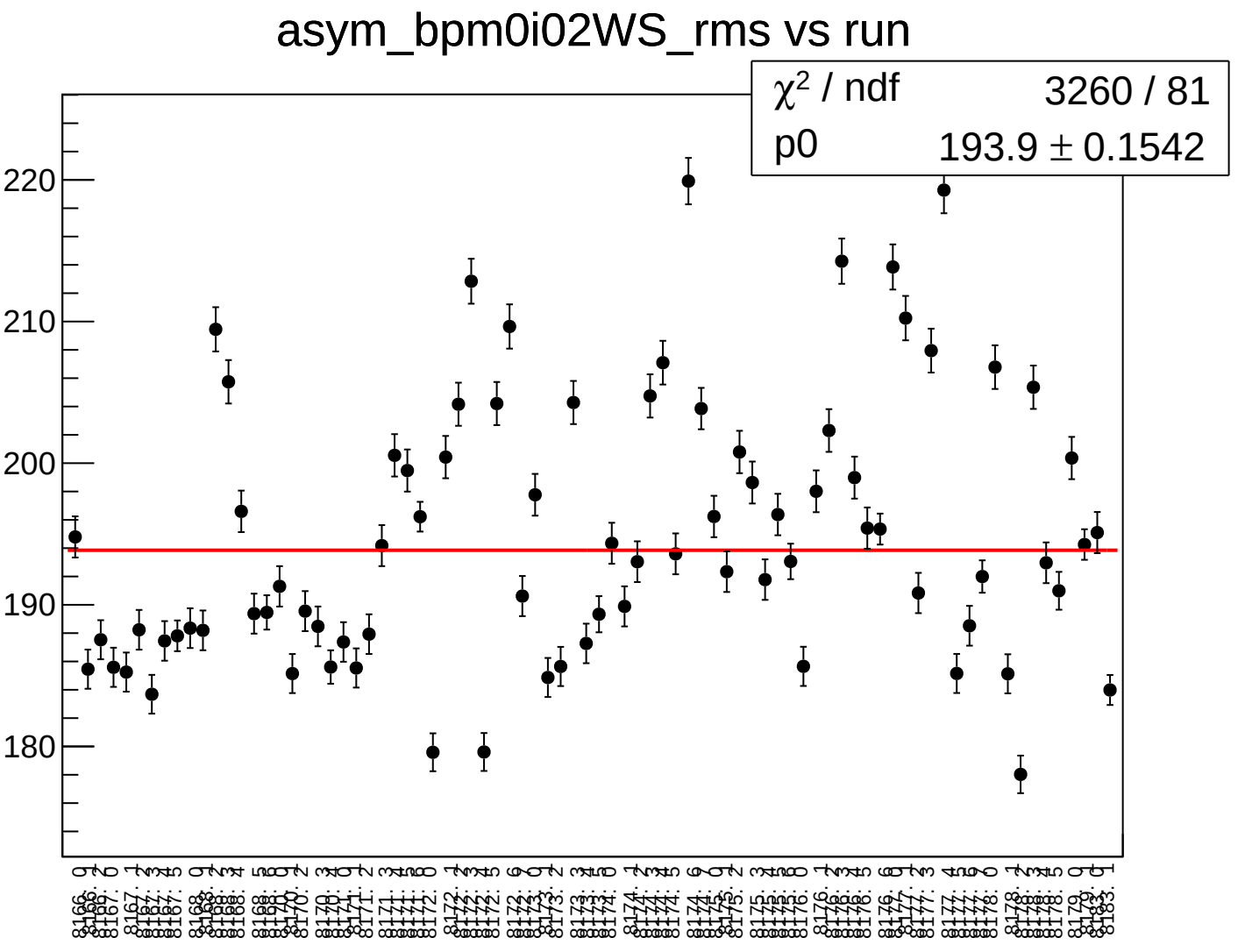

asym_bpm0r05WS_mean vs run
χ² / ndf 156.5 / 81
p0 660.2 ± 455.9
pull
Entries 82
Mean 3498
Std Dev 0

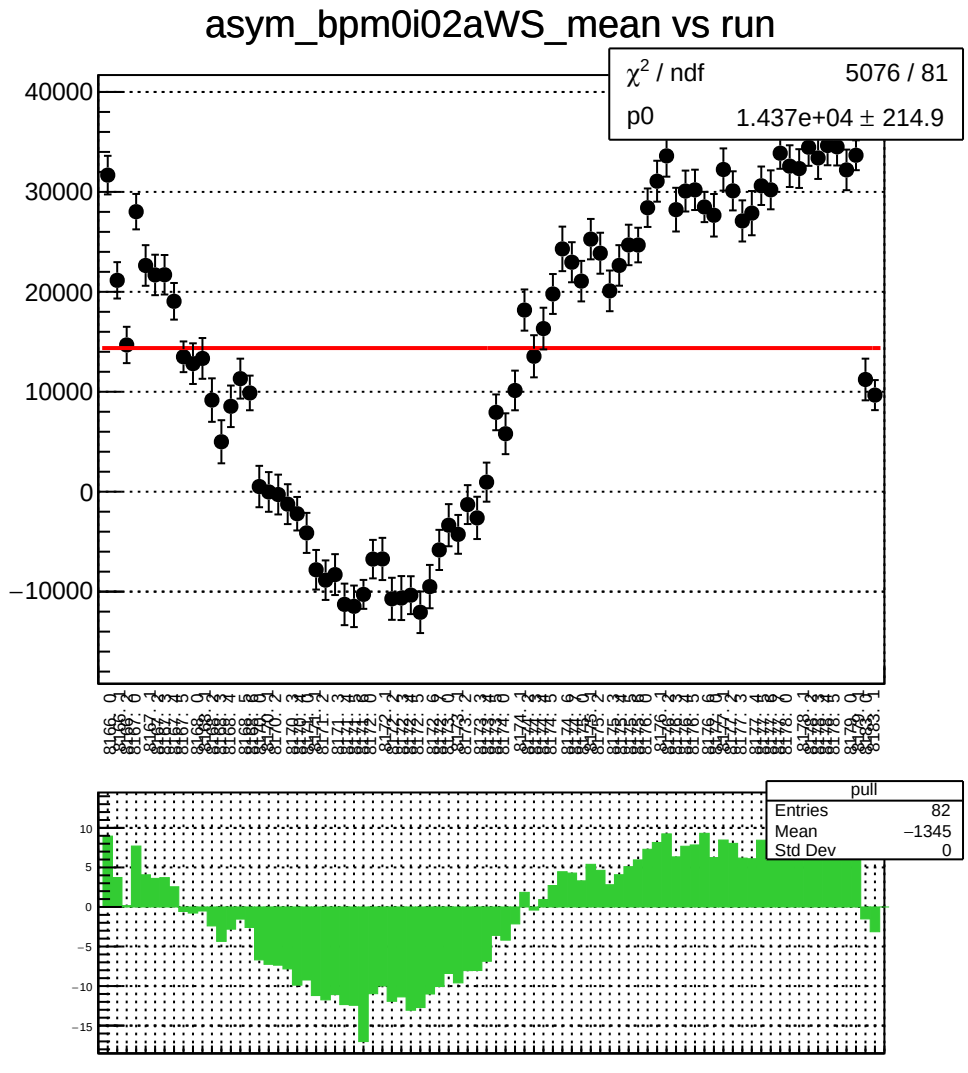

pull1D
Entries 82
Mean 0.006316
Std Dev 1.381

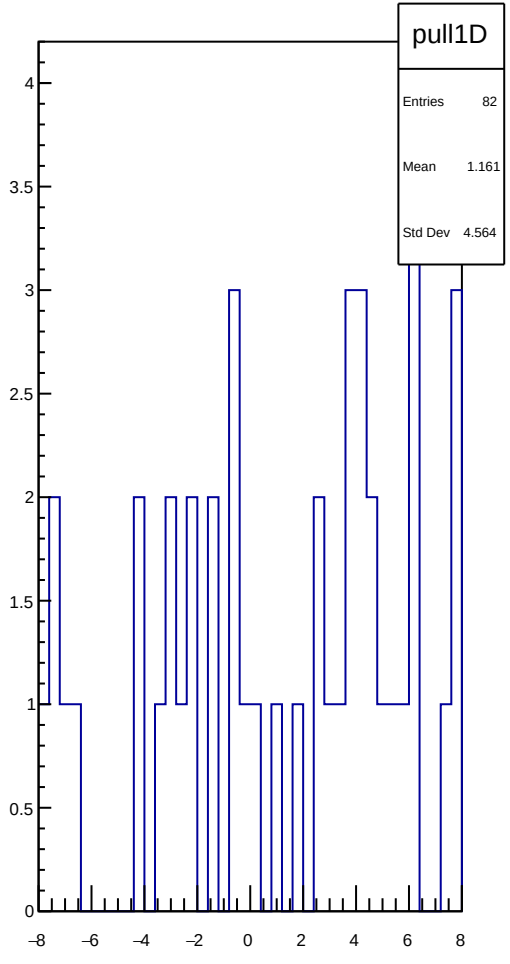

asym_bpm0r05WS_rms vs run
χ^2 / ndf 1.098e+04 / 81
p0 404.1 ± 0.3223
520
500
480
460
440
420
400
380
360
340
320

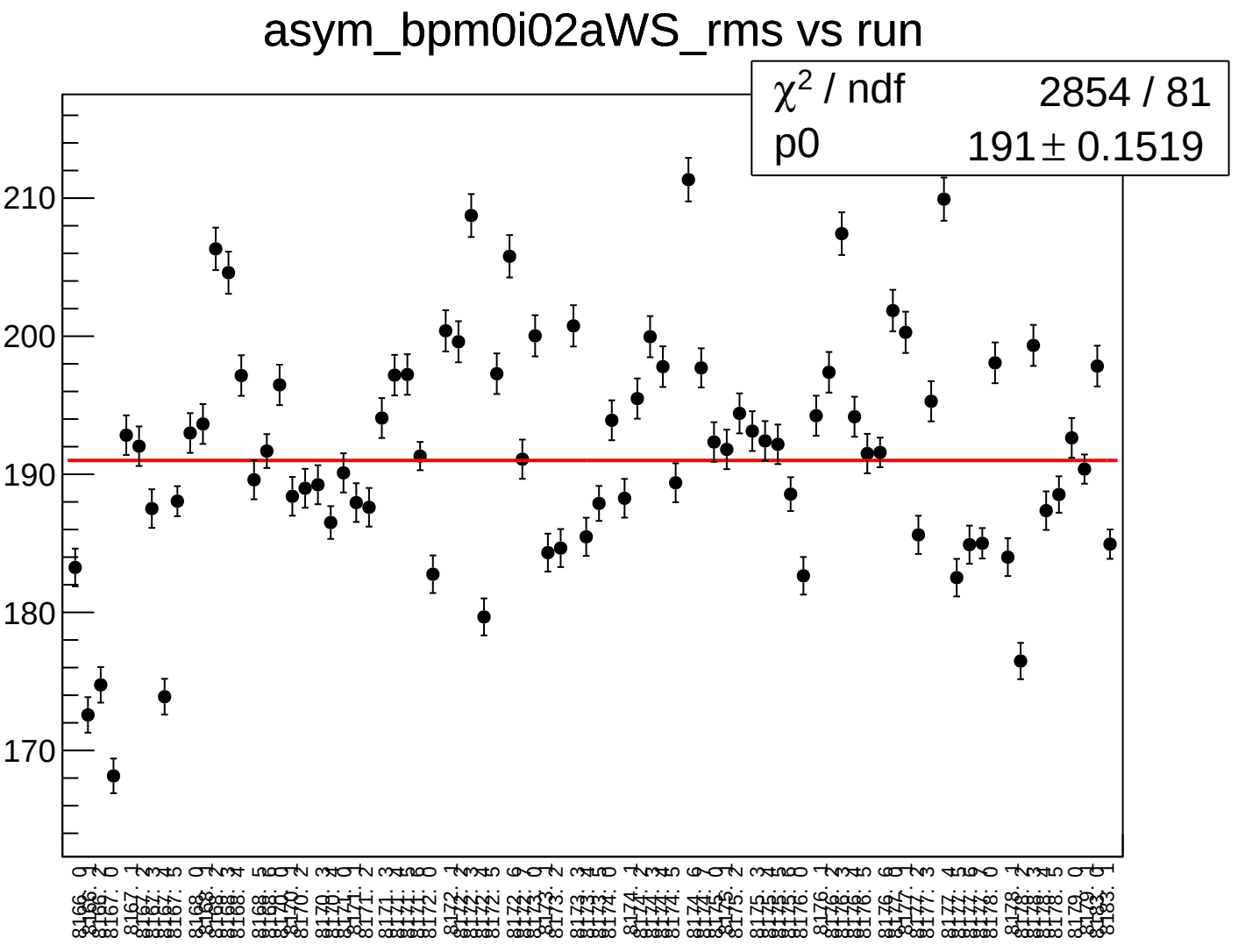

asym_bpm0i02WS_mean vs run
χ² / ndf 4936 / 81
p0 9257 ± 218.1
pull
Entries 82
Mean −5802
Std Dev 0

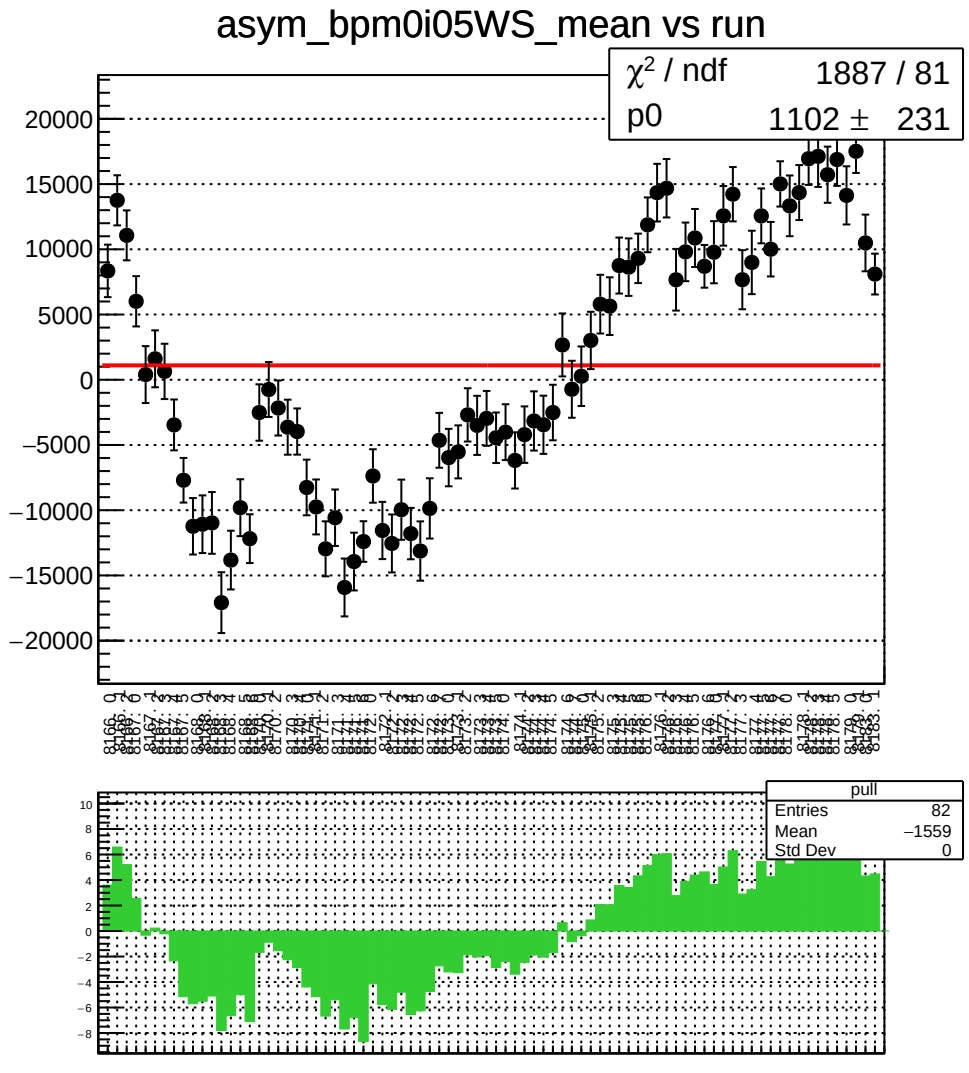

pull1D
Entries 82
Mean 0.9906
Std Dev 4.601

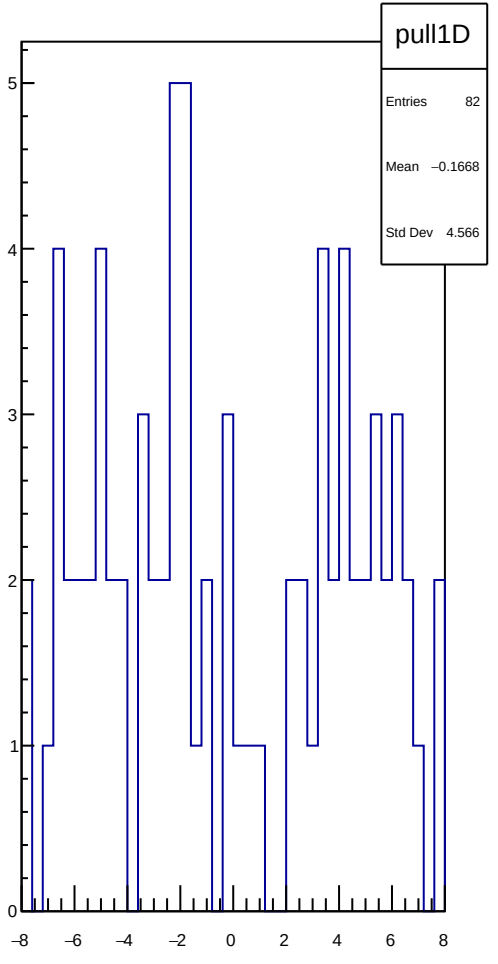

asym_bpm0i02WS_rms vs run
χ² / ndf 3260 / 81
p0 193.9 ± 0.1542
220
210
200
190
180

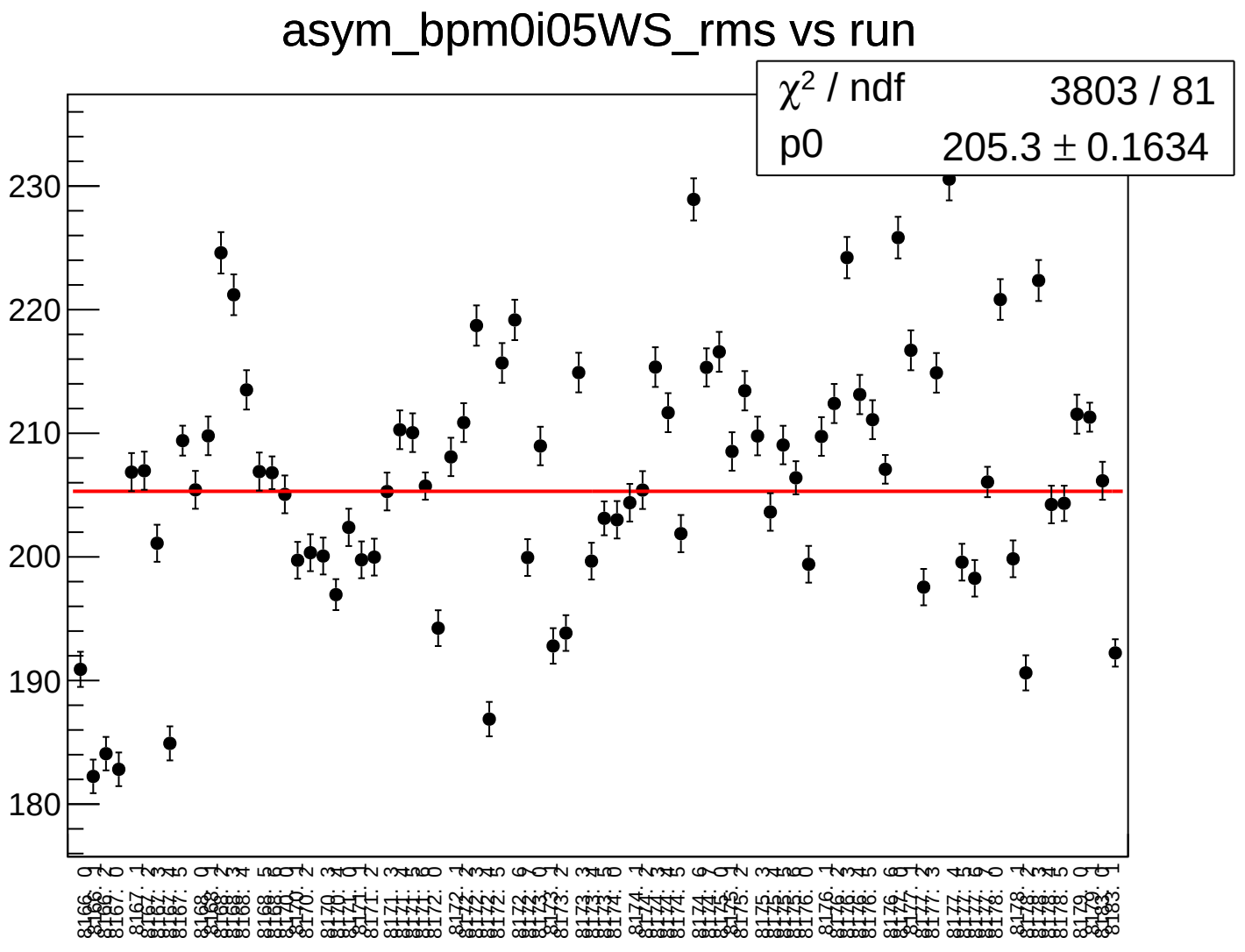

asym_bpm0i02aWS_mean vs run
χ² / ndf 5076 / 81
p0 1.437e+04 ± 214.9
pull
Entries 82
Mean −1345
Std Dev 0

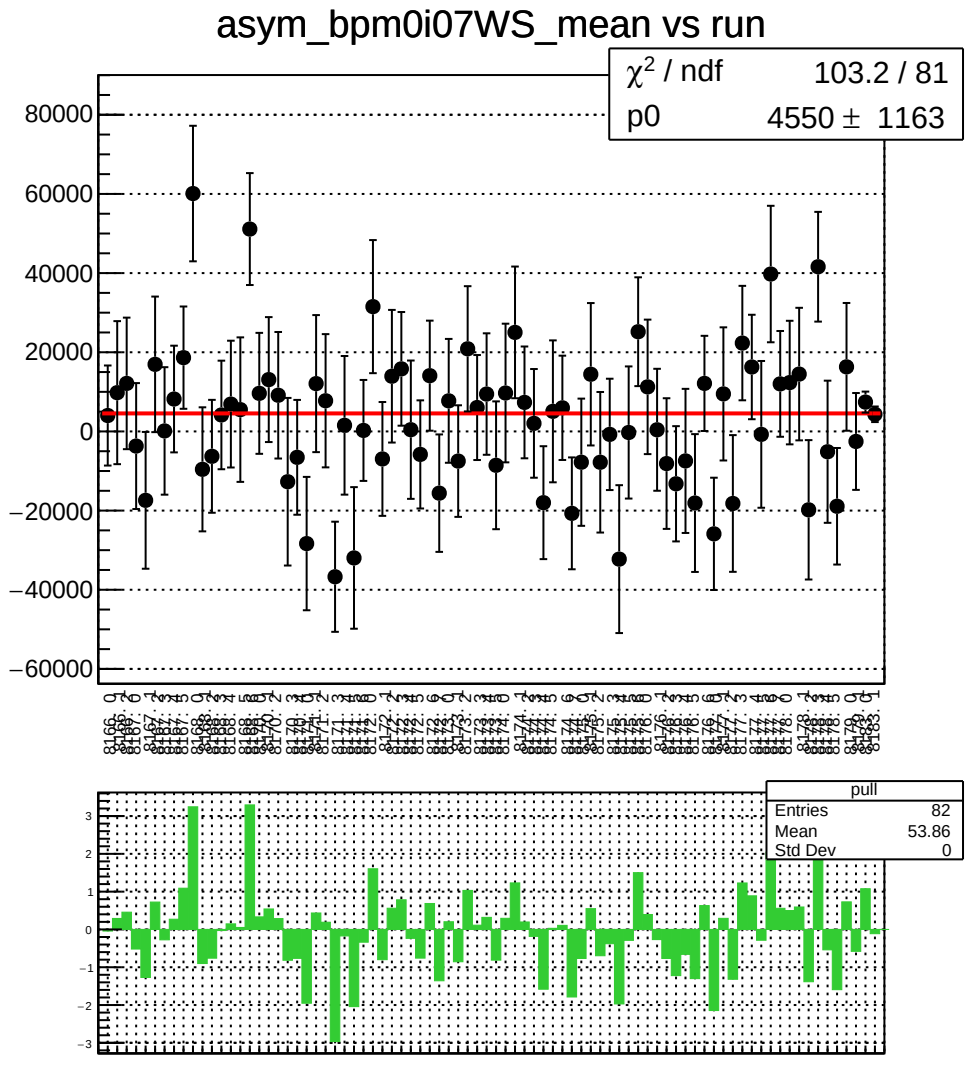

pull1D
Entries 82
Mean 1.161
Std Dev 4.564

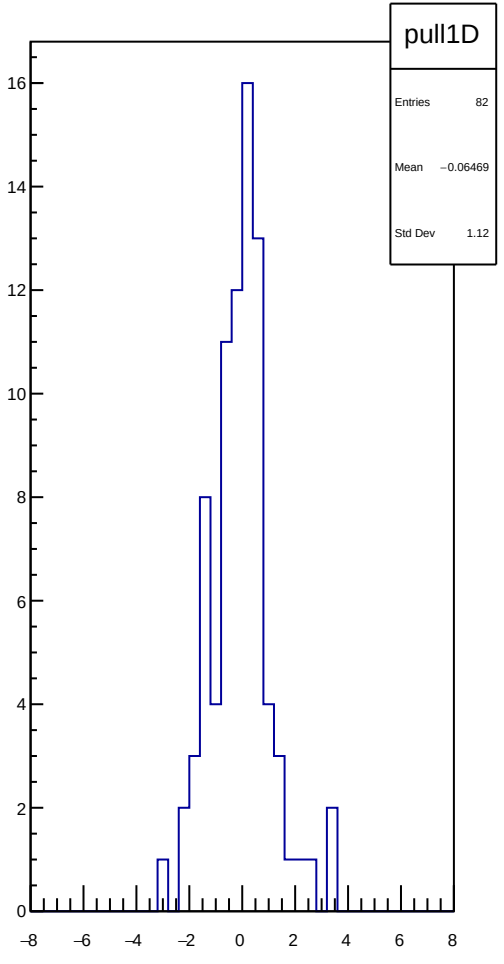

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 2854 / 81
p0 191 ± 0.1519
210
200
190
180
170

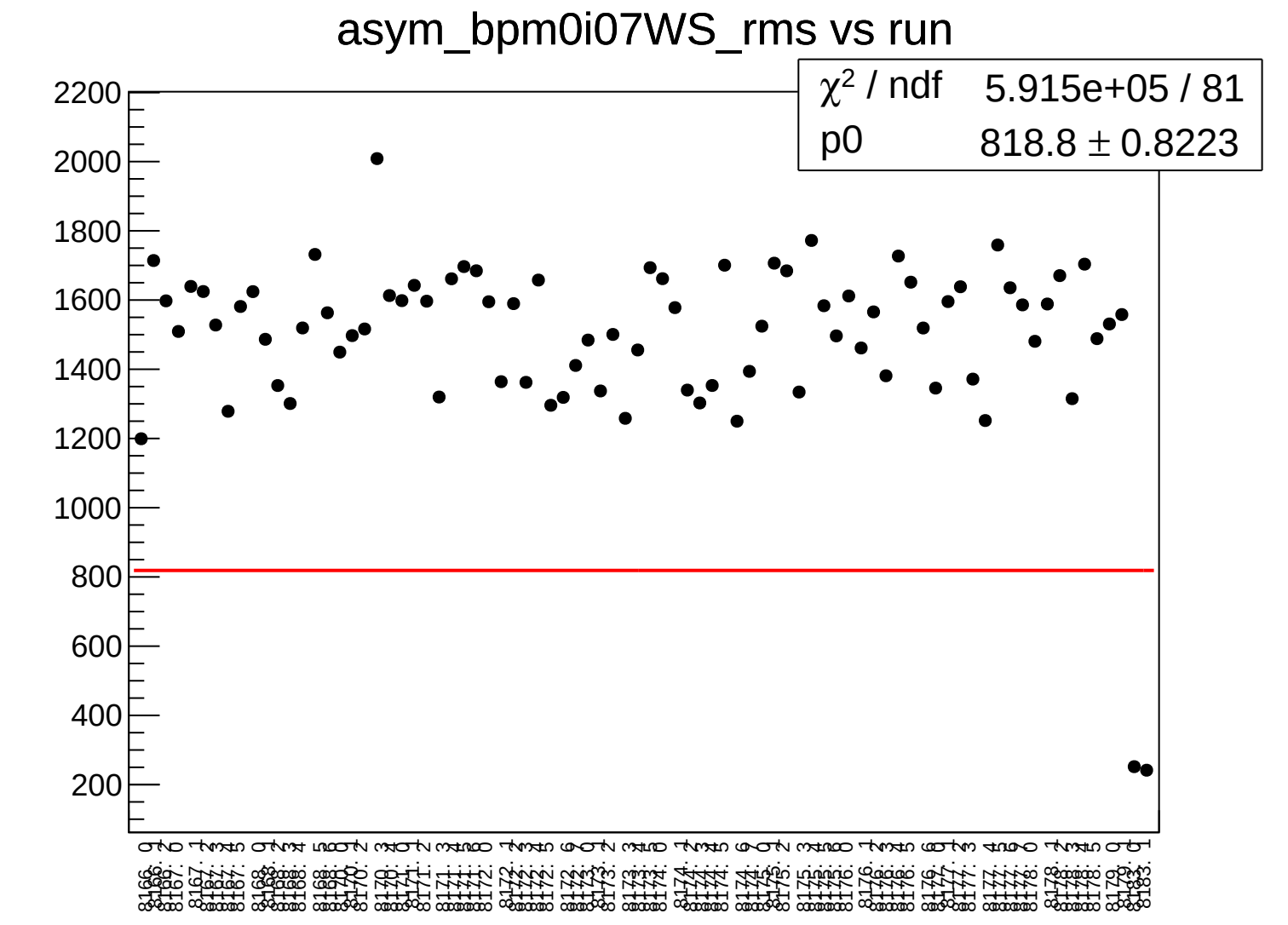

asym_bpm0i05WS_mean vs run
χ² / ndf 1887 / 81
p0 1102 ± 231
pull
Entries 82
Mean −1559
Std Dev 0

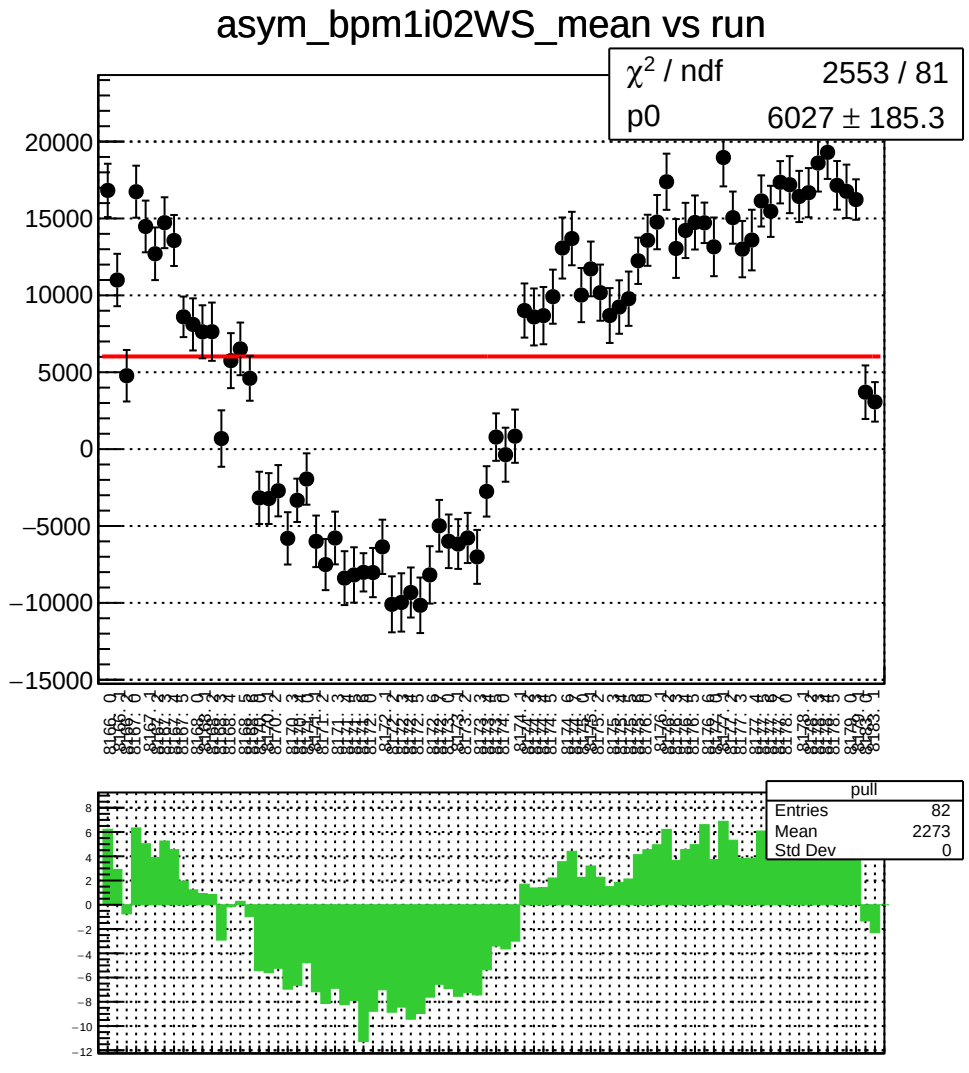

pull1D
Entries 82
Mean −0.1668
Std Dev 4.566

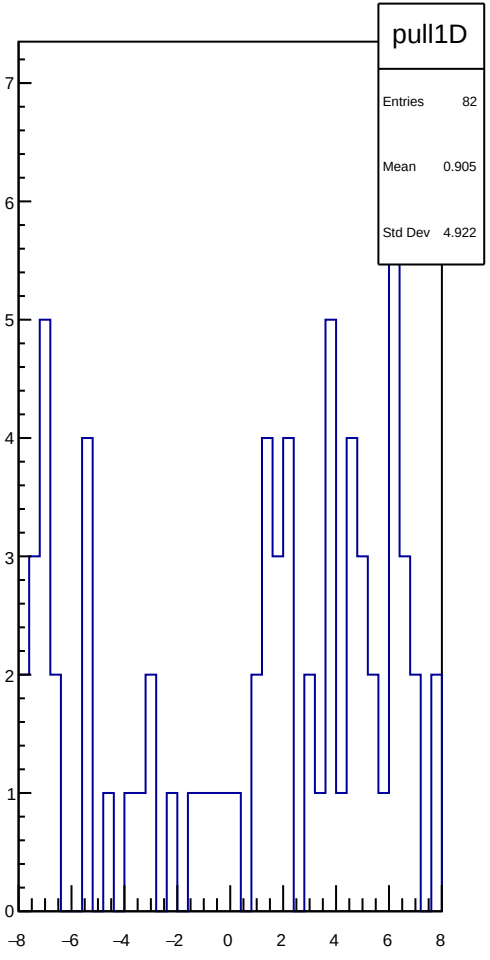

asym_bpm0i05WS_rms vs run
χ² / ndf 3803 / 81
p0 205.3 ± 0.1634
230
220
210
200
190
180

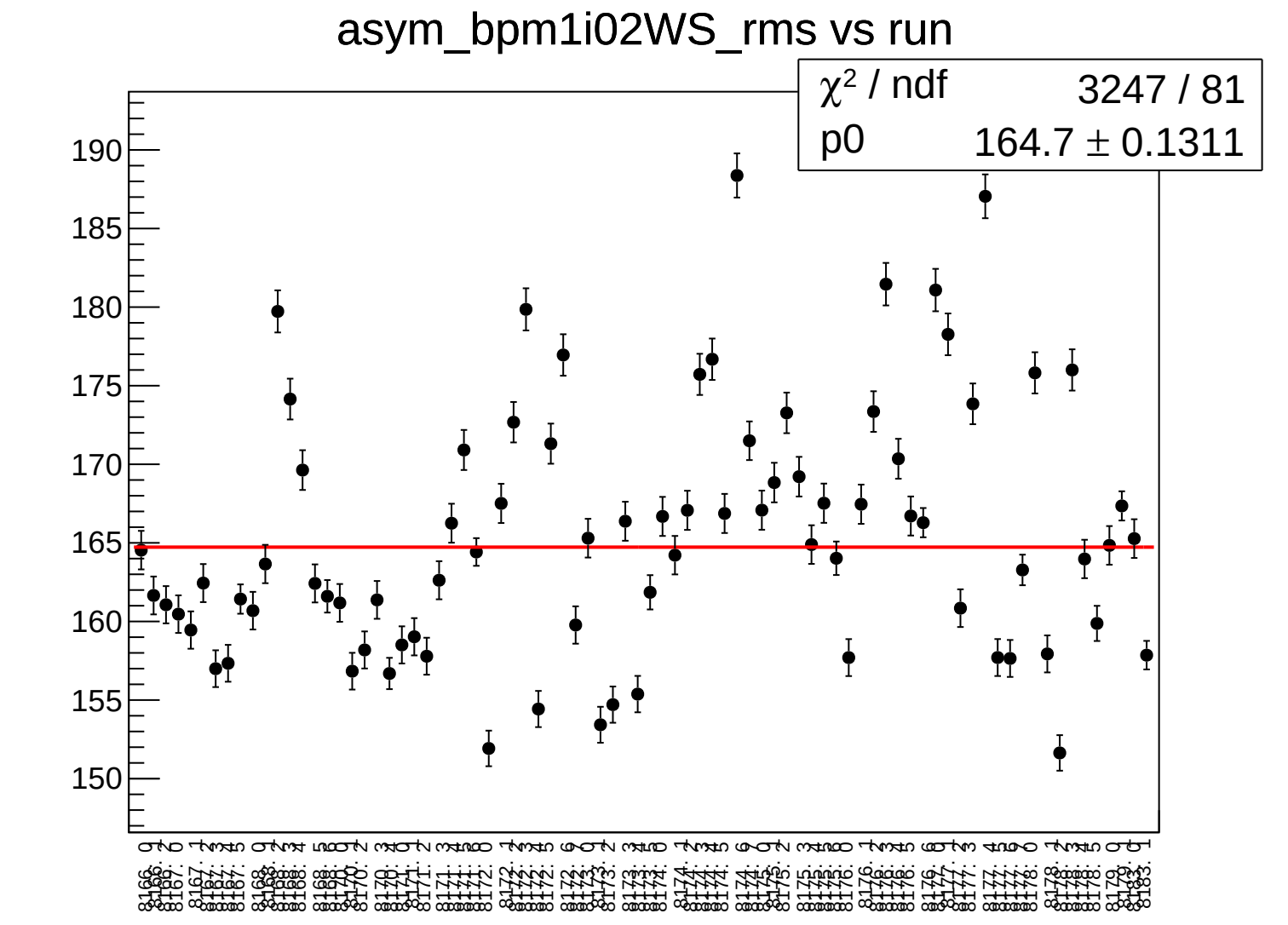

asym_bpm0i07WS_mean vs run
χ² / ndf 103.2 / 81
p0 4550 ± 1163
pull
Entries 82
Mean 53.86
Std Dev 0

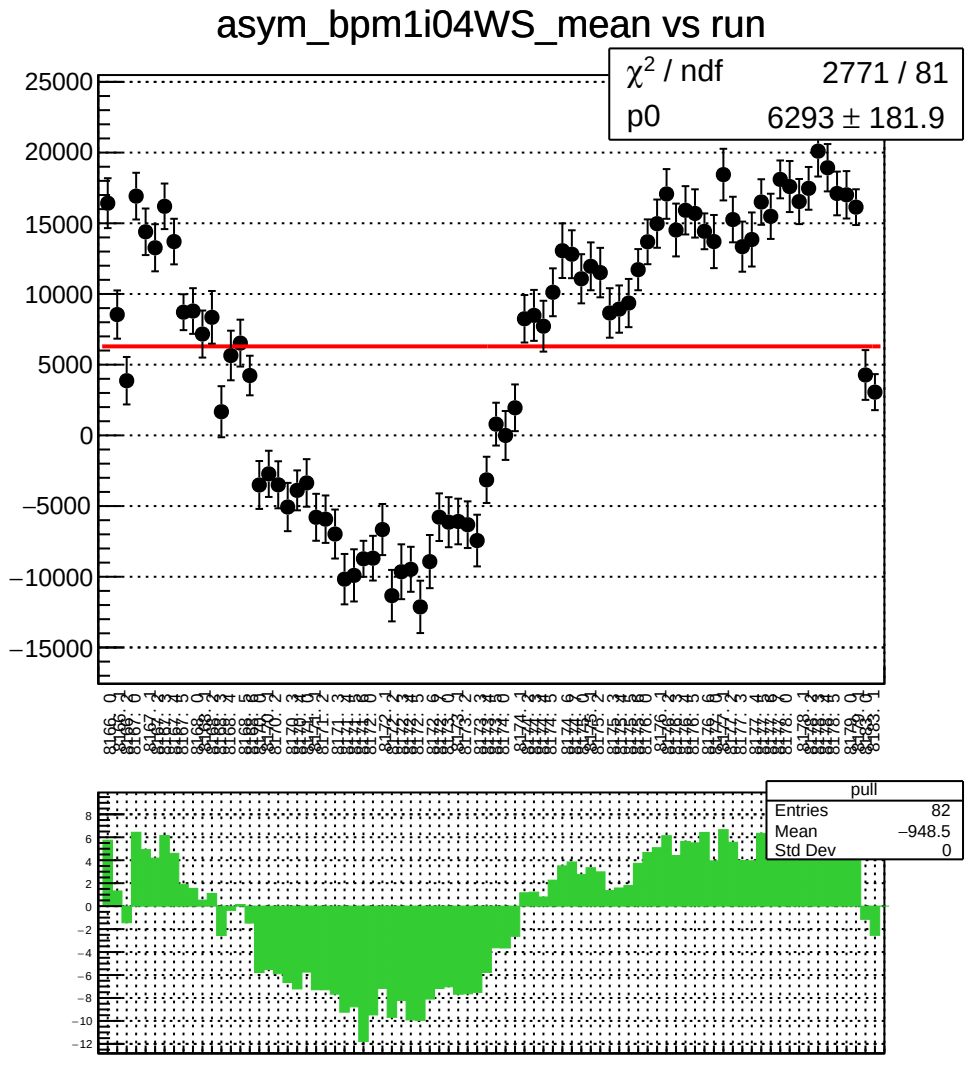

pull1D
Entries 82
Mean −0.06469
Std Dev 1.12

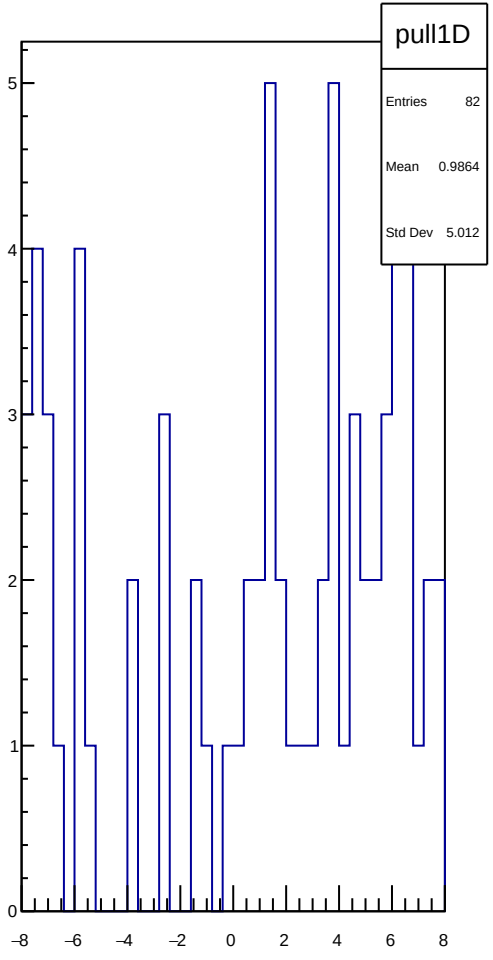

asym_bpm0i07WS_rms vs run
χ^2 / ndf 5.915e+05 / 81
p0 818.8 ± 0.8223
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

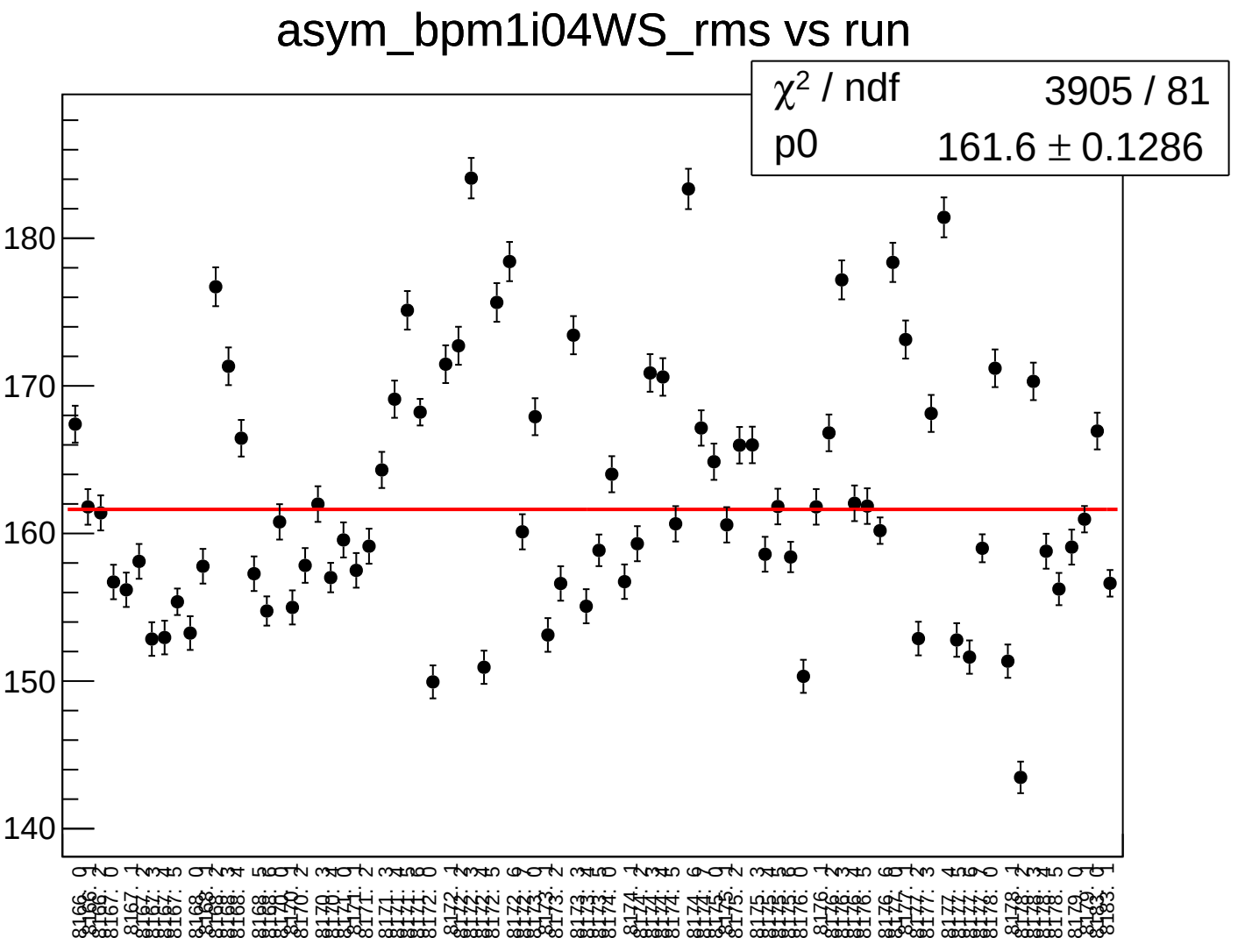

asym_bpm1i02WS_mean vs run
χ² / ndf 2553 / 81
p0 6027 ± 185.3
pull
Entries 82
Mean 2273
Std Dev 0

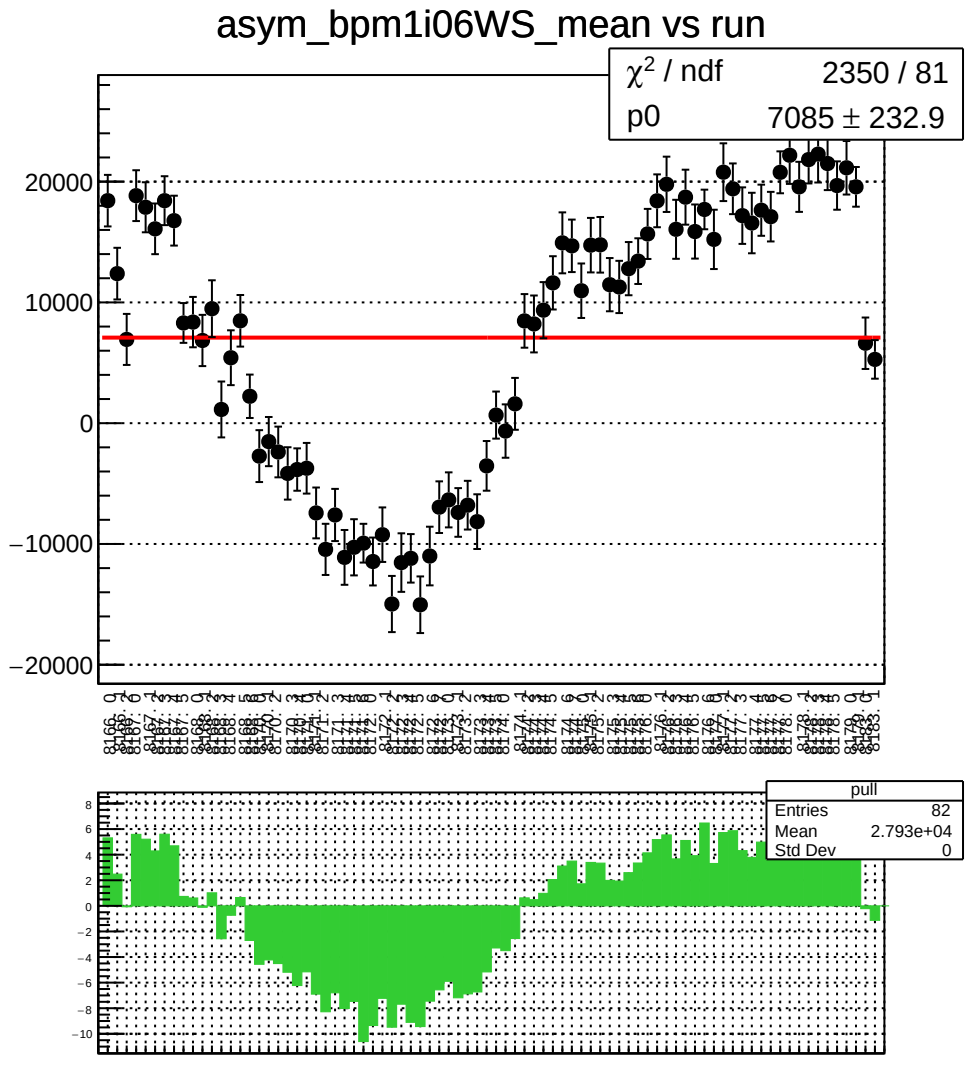

pull1D
Entries 82
Mean 0.905
Std Dev 4.922

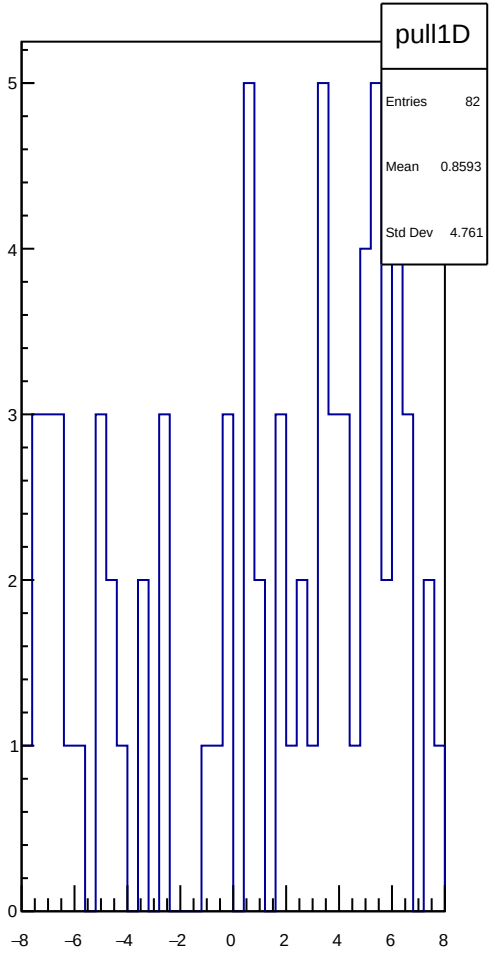

asym_bpm1i02WS_rms vs run
χ² / ndf 3247 / 81
p0 164.7 ± 0.1311
190
185
180
175
170
165
160
155
150

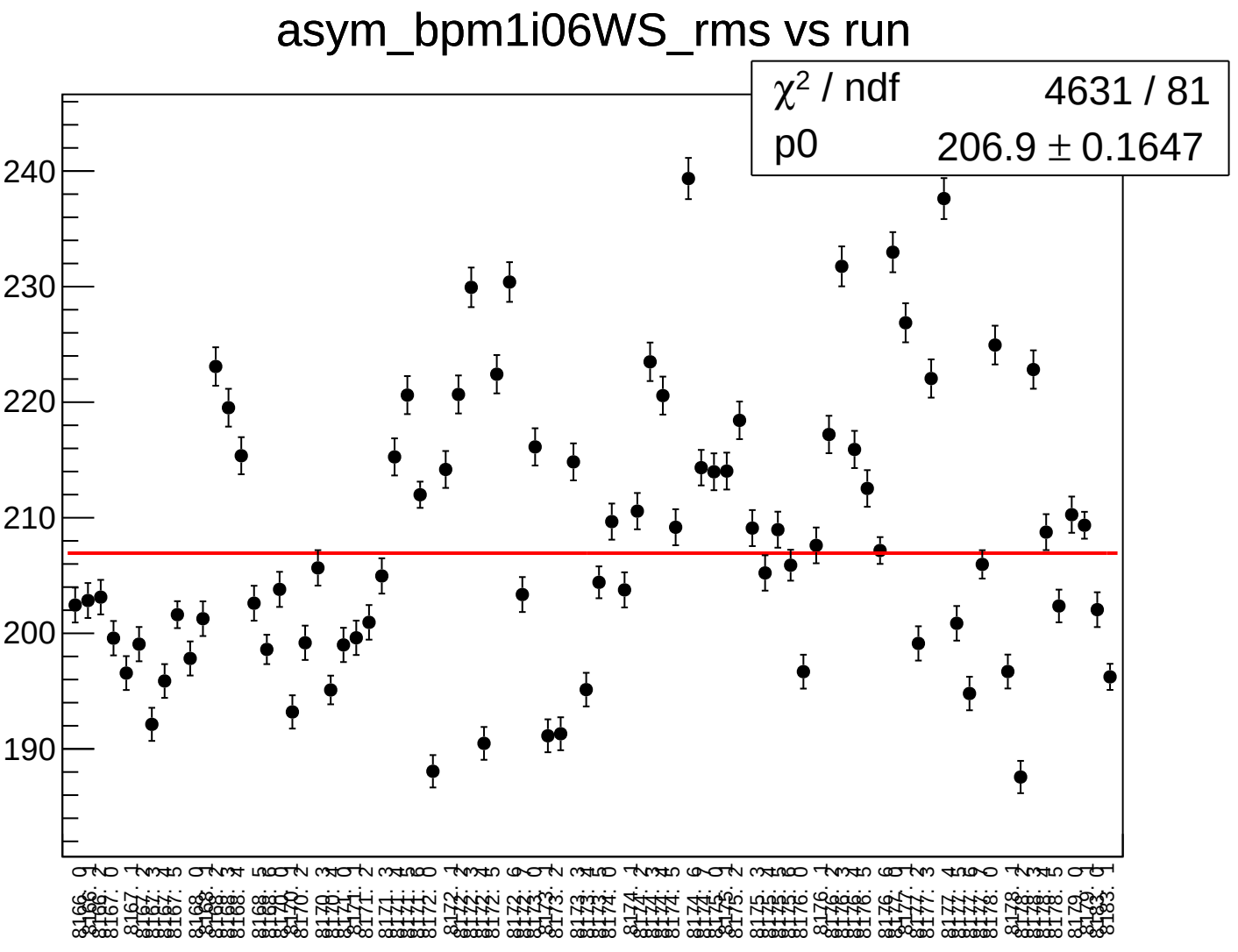

asym_bpm1i04WS_mean vs run
χ² / ndf 2771 / 81
p0 6293 ± 181.9
pull
Entries 82
Mean −948.5
Std Dev 0

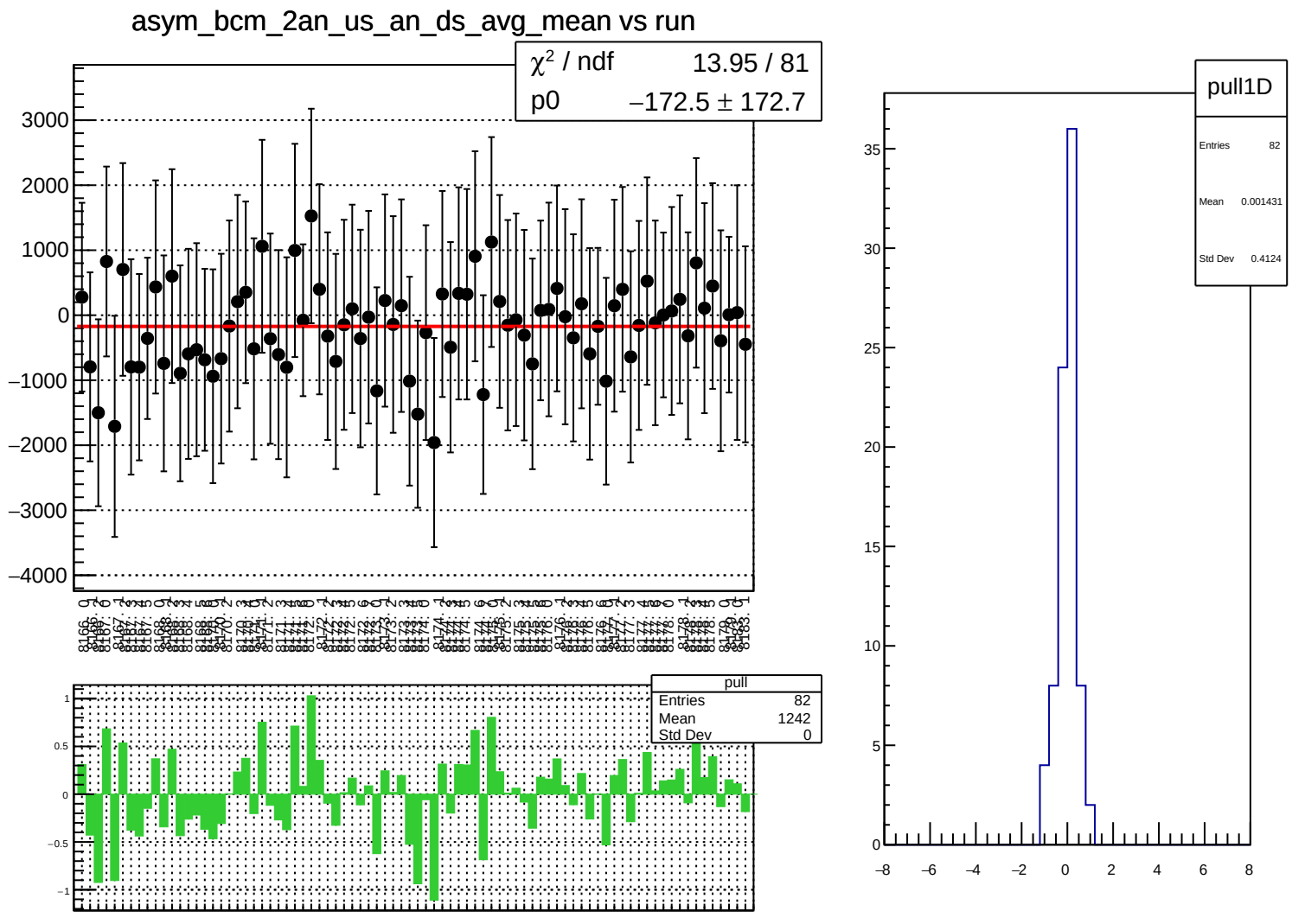

pull1D
Entries 82
Mean 0.9864
Std Dev 5.012

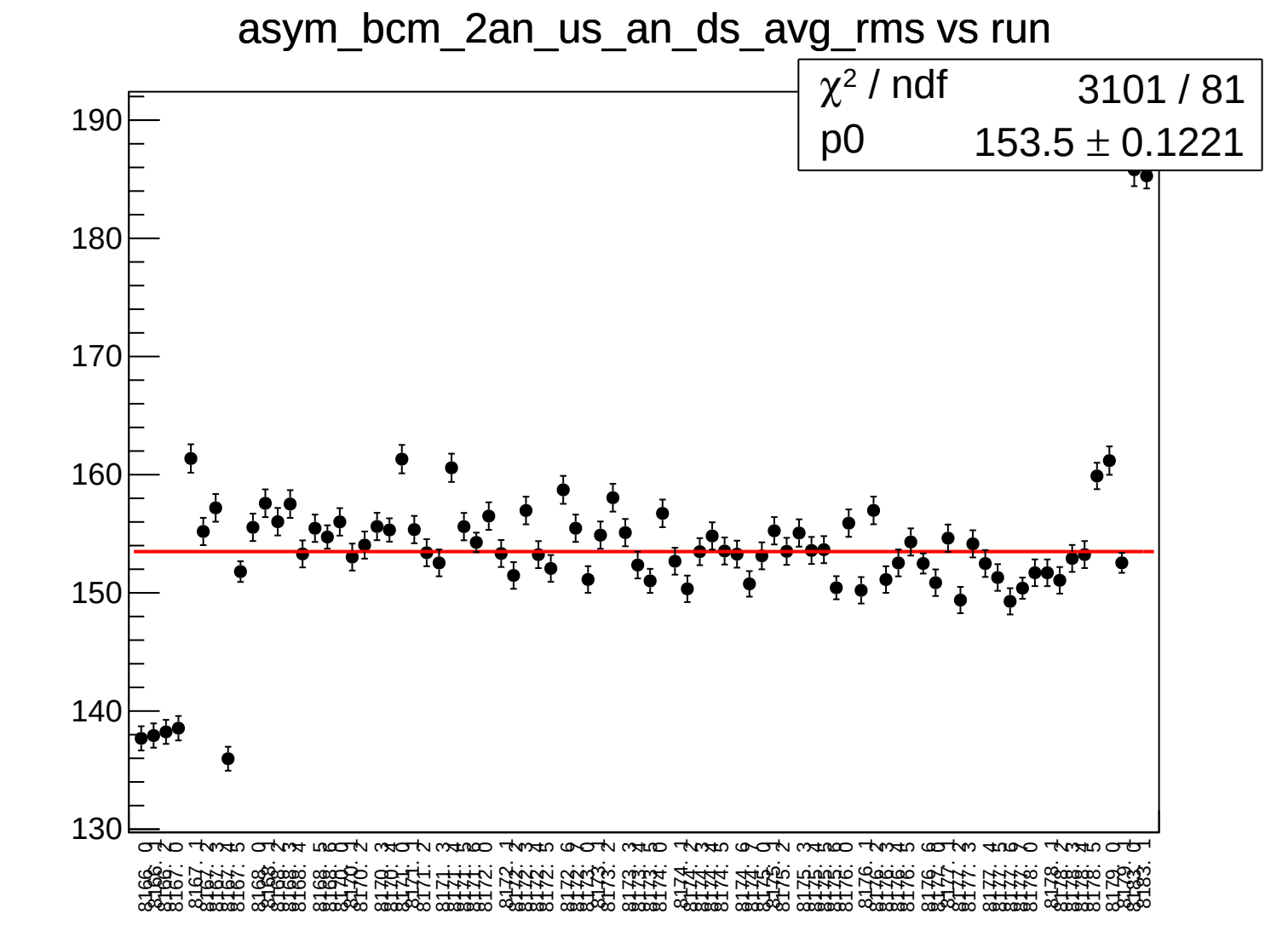

asym_bpm1i04WS_rms vs run
χ² / ndf 3905 / 81
p0 161.6 ± 0.1286
180
170
160
150
140

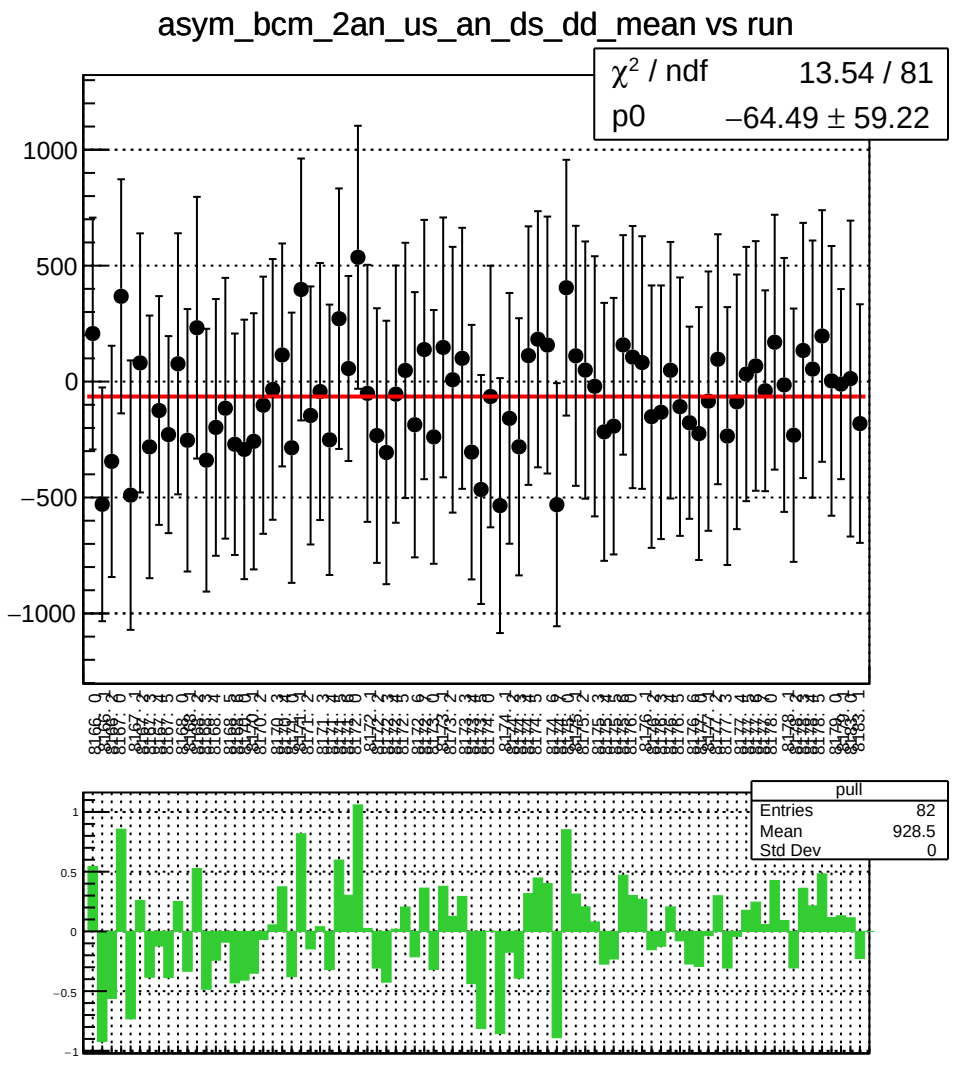

asym_bpm1i06WS_mean vs run
χ² / ndf 2350 / 81
p0 7085 ± 232.9
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 2.793e+04
Std Dev 0
8
6
4
2
0
−2
−4
−6
−8
−10

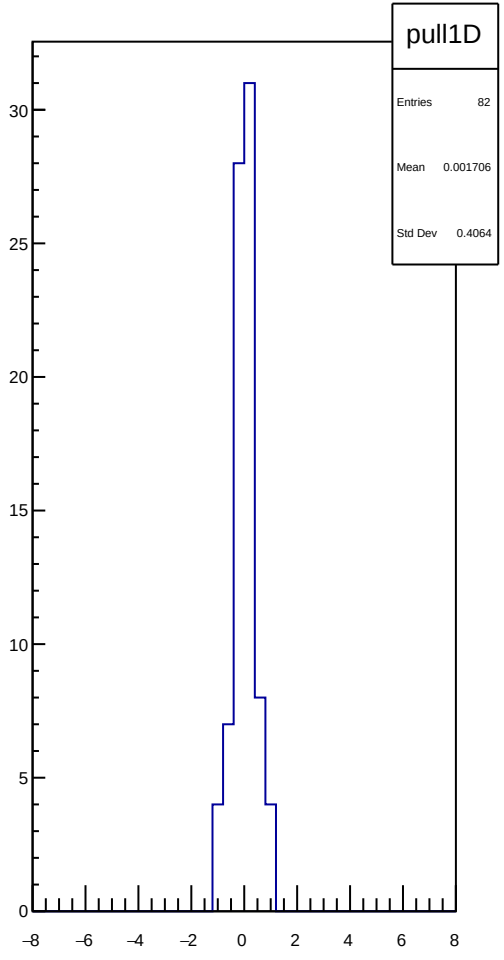

pull1D
Entries 82
Mean 0.8593
Std Dev 4.761
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

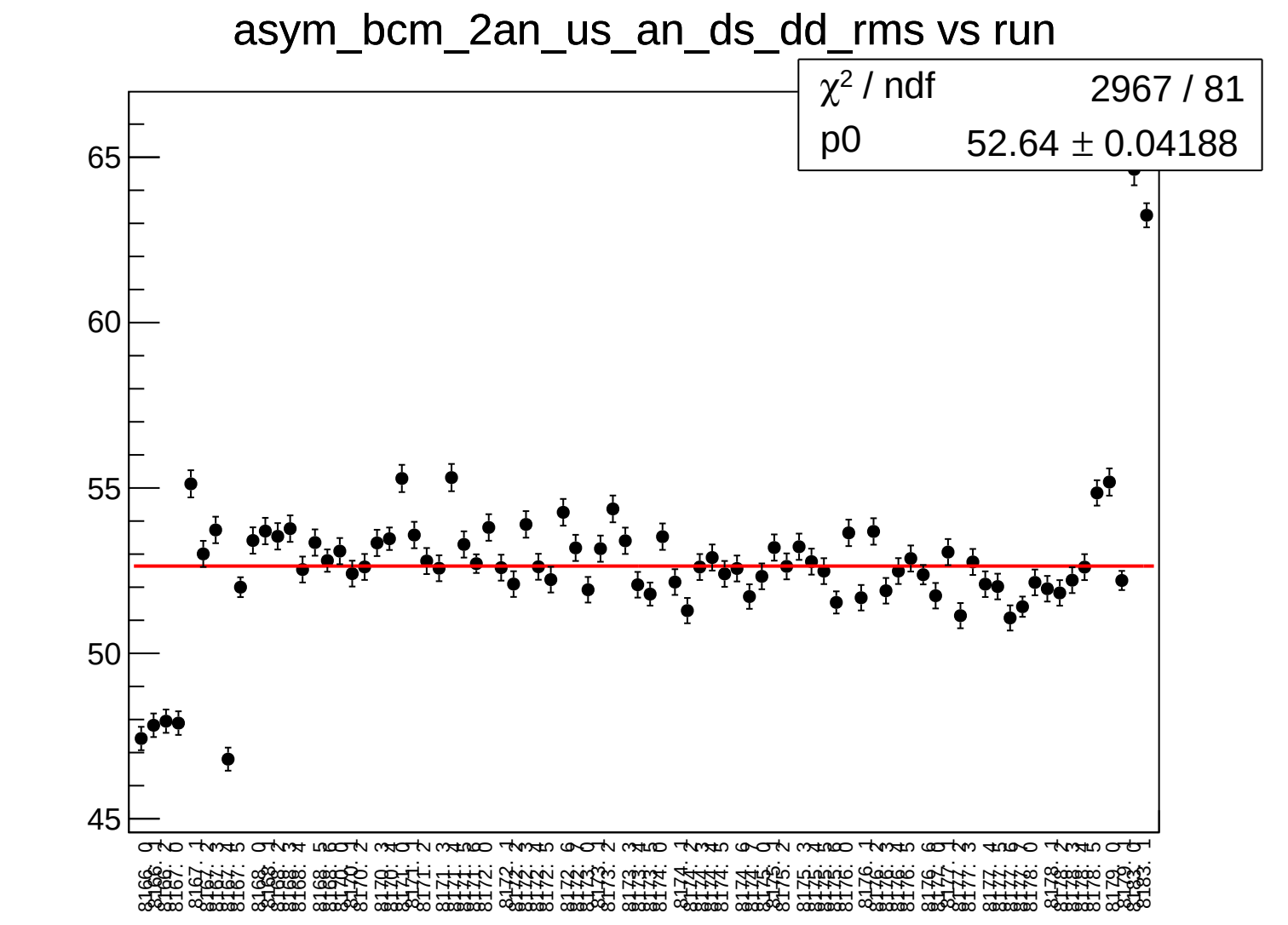

asym_bpm1i06WS_rms vs run
χ² / ndf 4631 / 81
p0 206.9 ± 0.1647
240
230
220
210
200
190

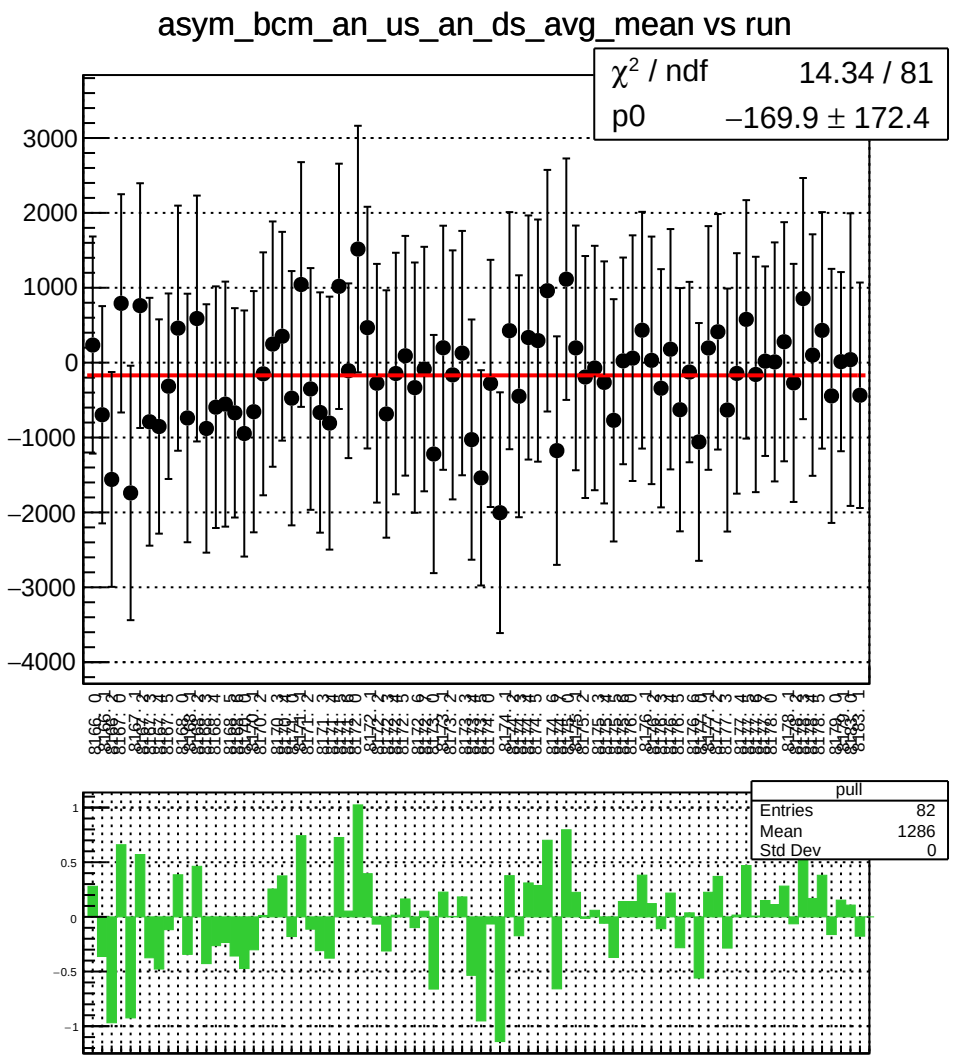

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 13.95 / 81
p0 −172.5 ± 172.7
pull
Entries 82
Mean 1242
Std Dev 0
pull1D
Entries 82
Mean 0.001431
Std Dev 0.4124

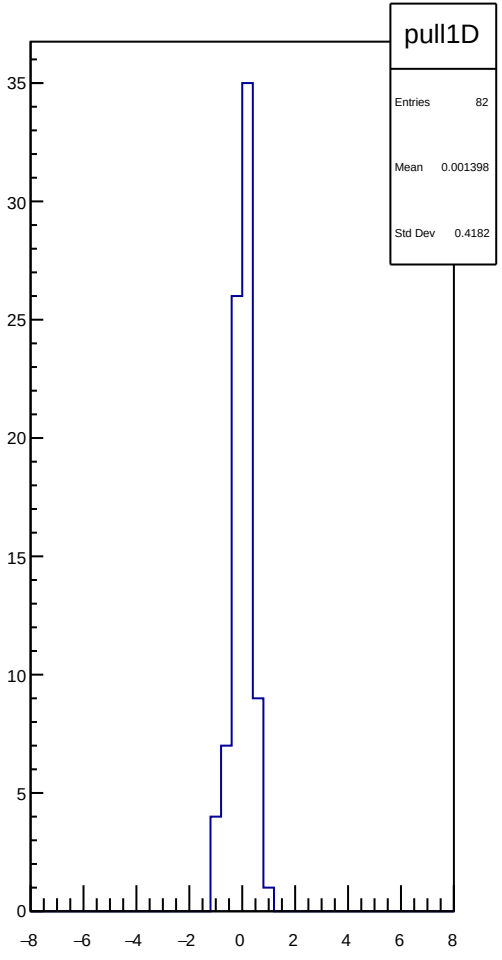

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3101 / 81
p0 153.5 ± 0.1221
190
180
170
160
150
140
130

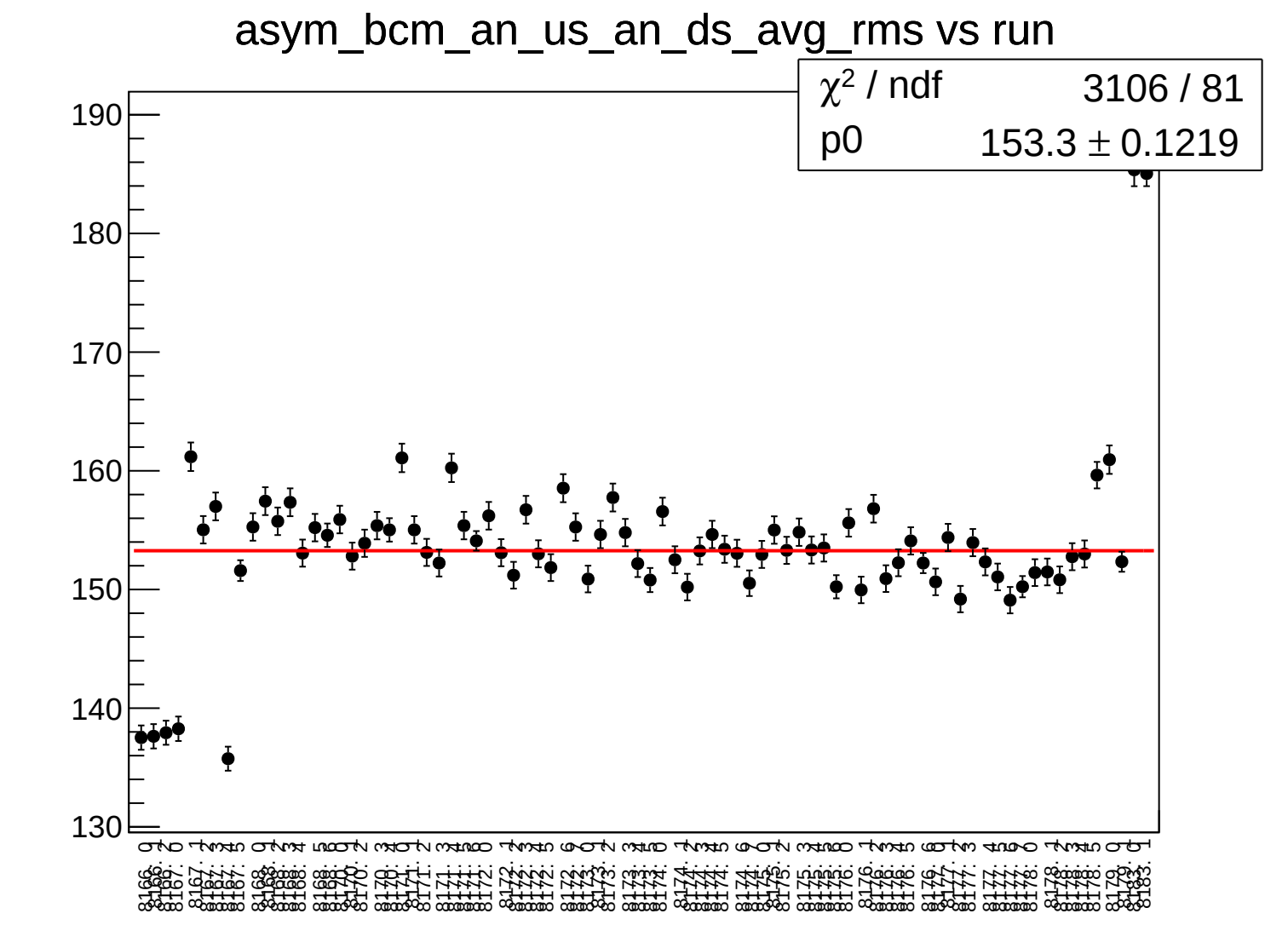

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 13.54 / 81
p0 −64.49 ± 59.22
1000
500
0
−500
−1000
pull
Entries 82
Mean 928.5
Std Dev 0
1
0.5
0
−0.5
−1

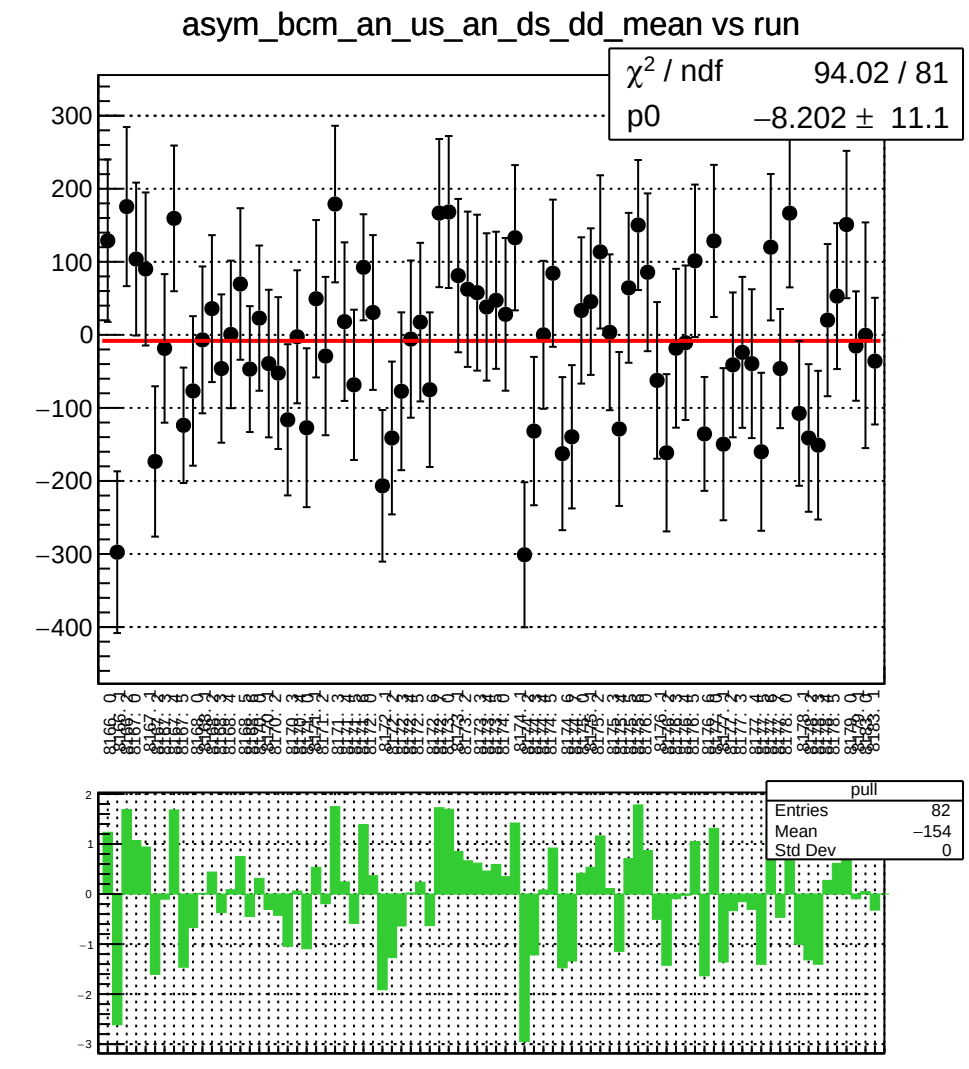

pull1D
Entries 82
Mean 0.001706
Std Dev 0.4064
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

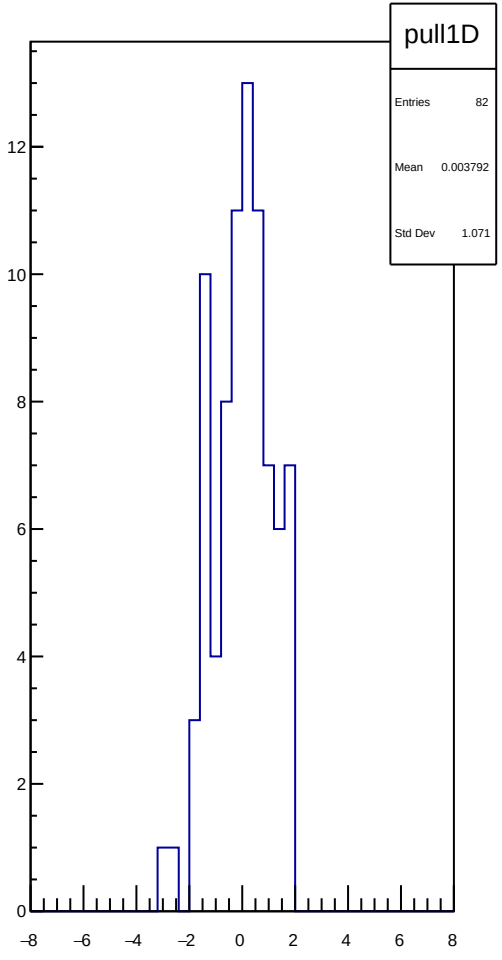

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 2967 / 81
p0 52.64 ± 0.04188
65
60
55
50
45


asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 14.34 / 81
p0 −169.9 ± 172.4
pull
Entries 82
Mean 1286
Std Dev 0

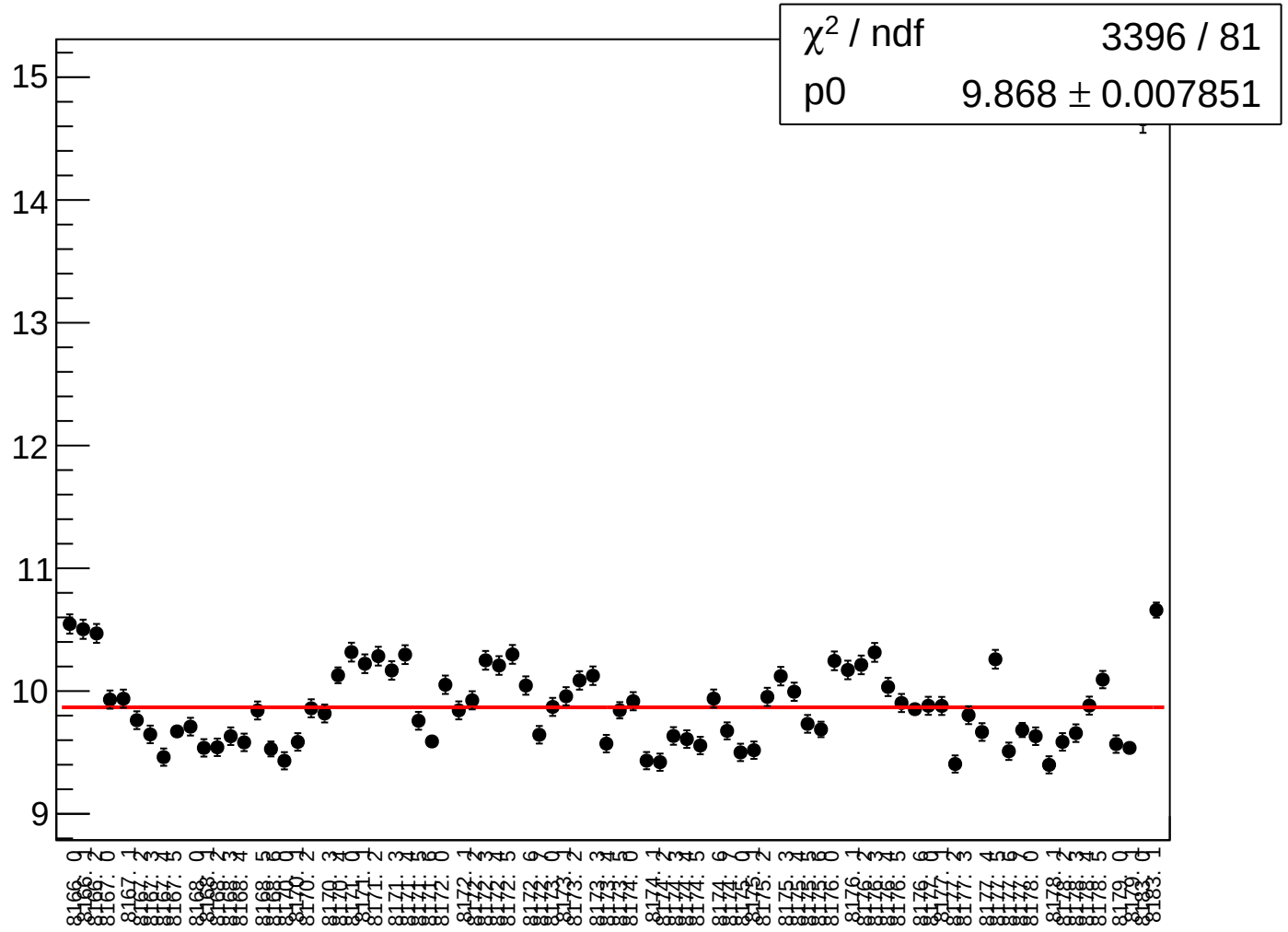

pull1D
Entries 82
Mean 0.001398
Std Dev 0.4182

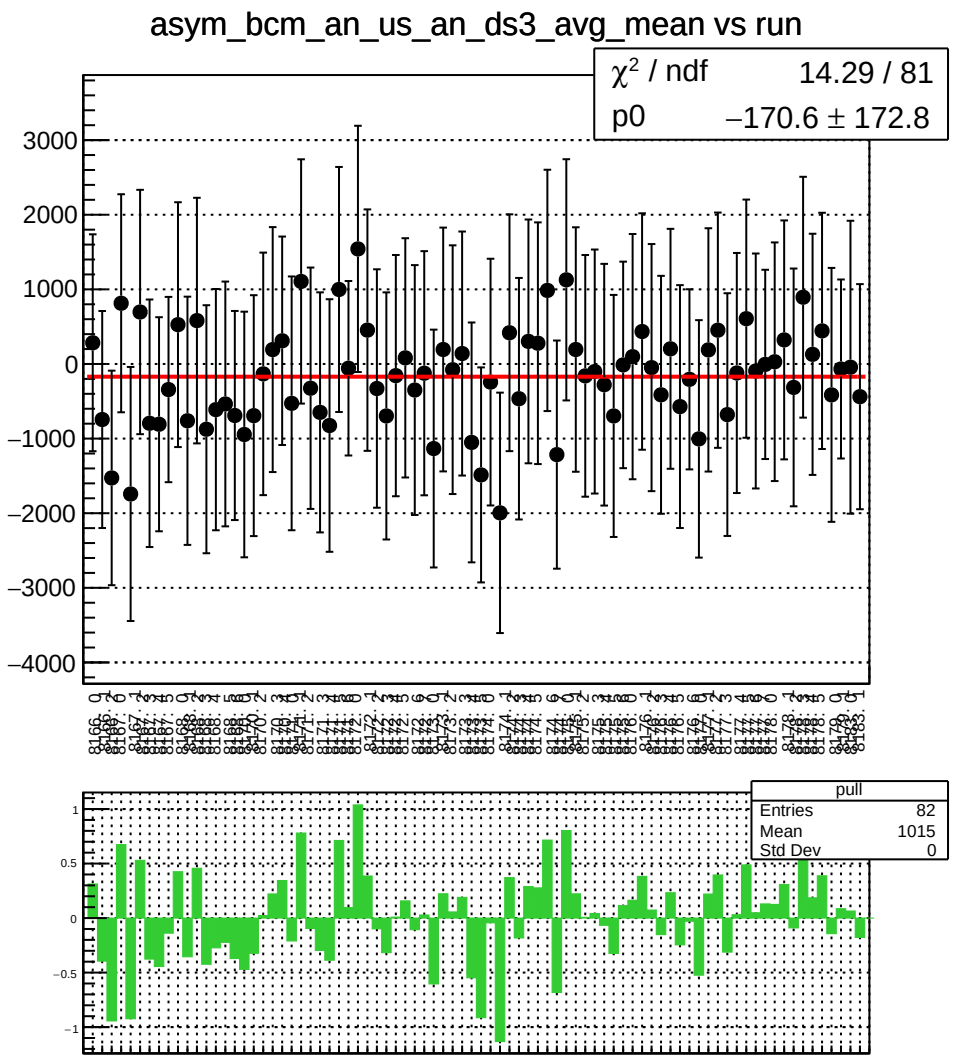

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3106 / 81
p0 153.3 ± 0.1219
190
180
170
160
150
140
130

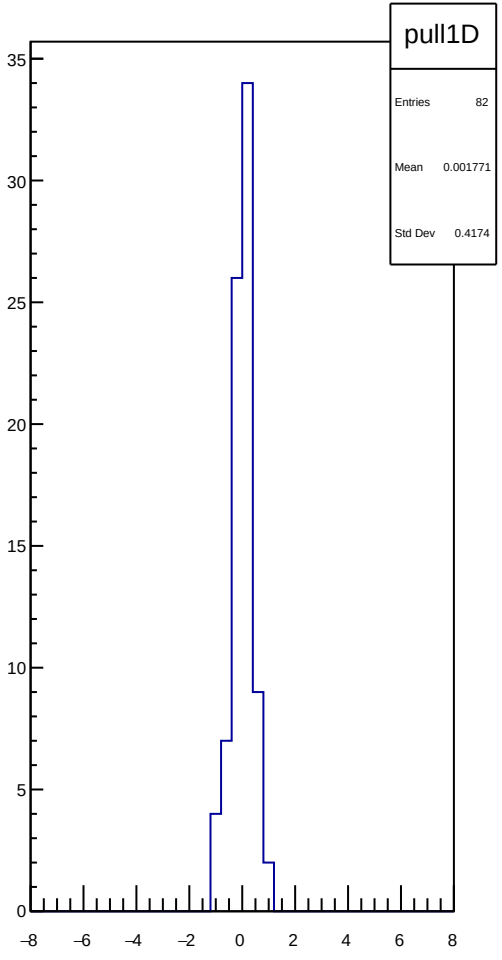

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 94.02 / 81
p0 −8.202 ± 11.1
pull
Entries 82
Mean −154
Std Dev 0

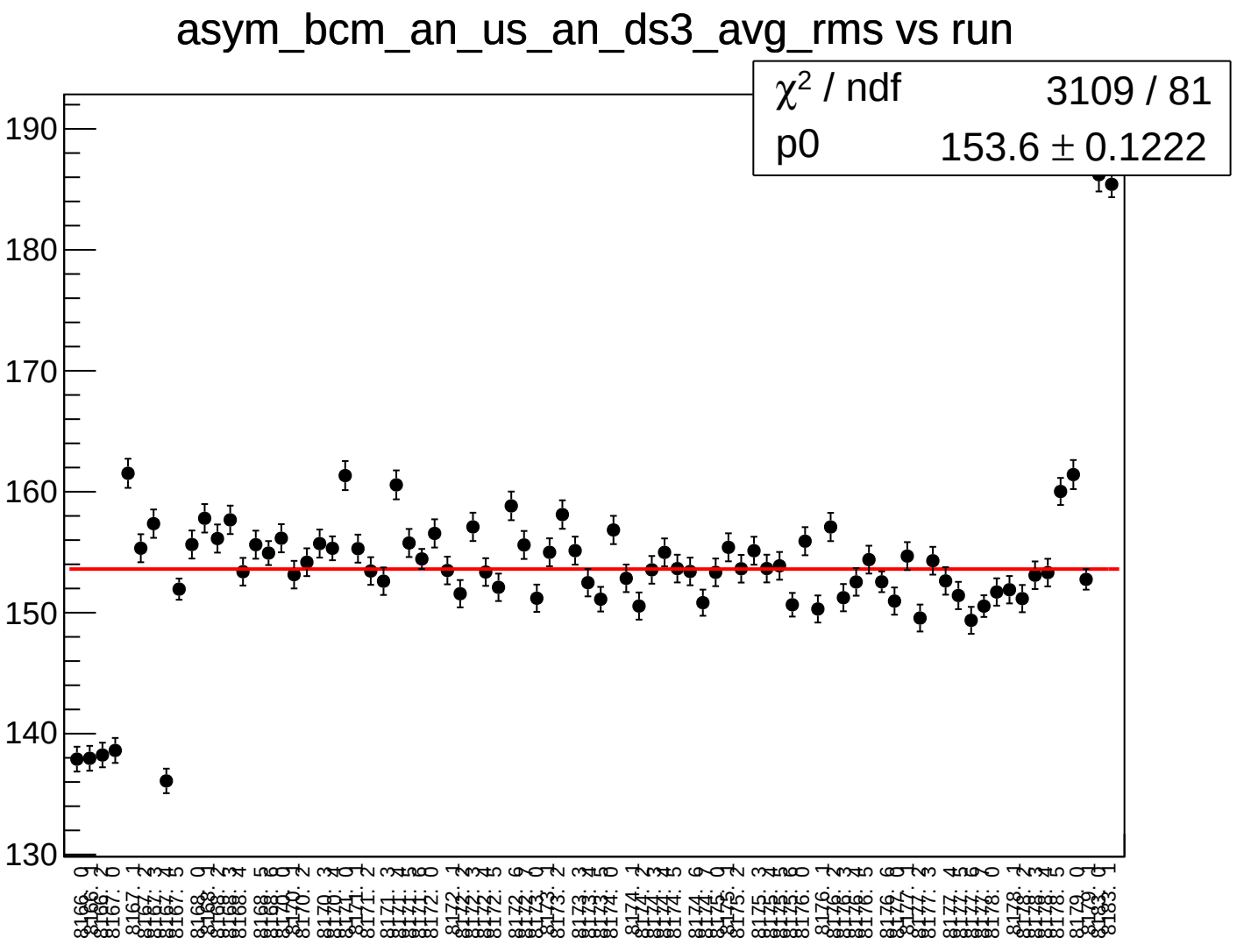

pull1D
Entries 82
Mean 0.003792
Std Dev 1.071

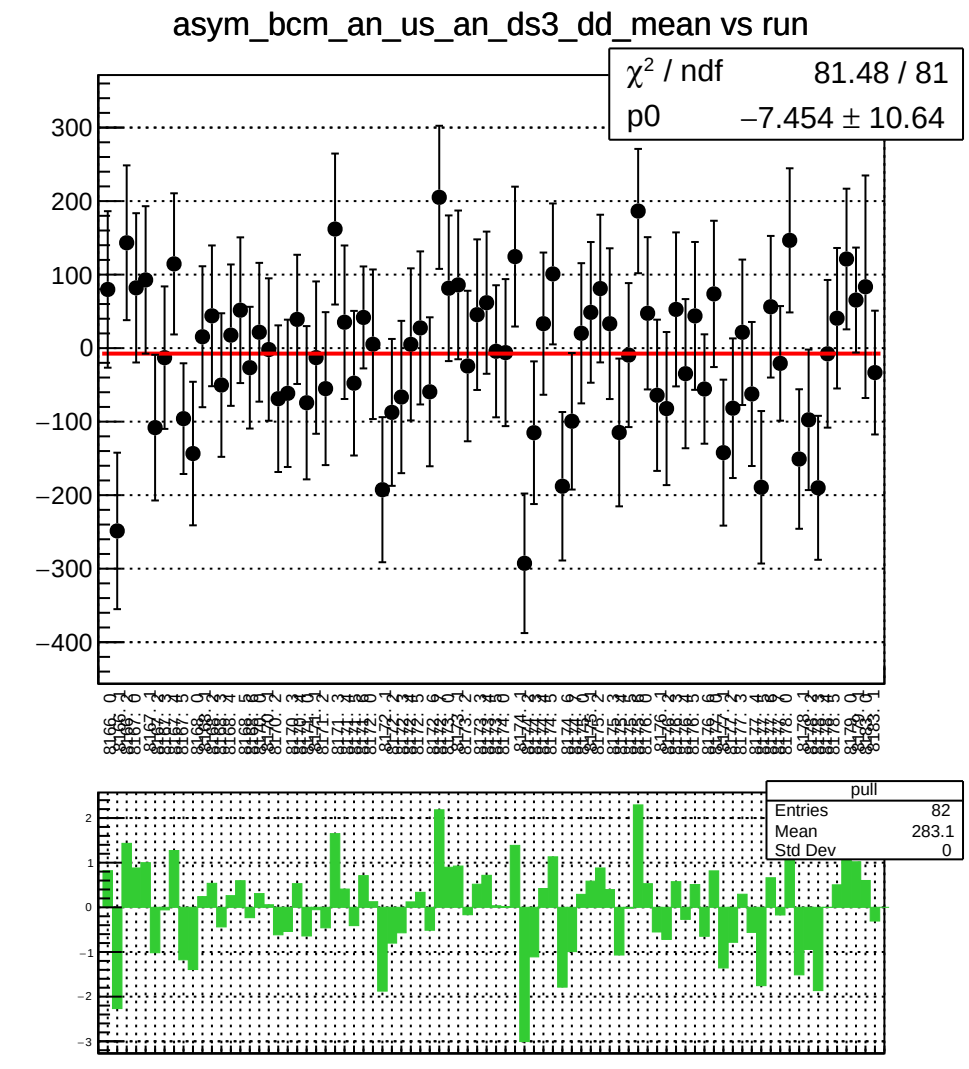
asym_bcm_an_us_an_ds_dd_rms vs run

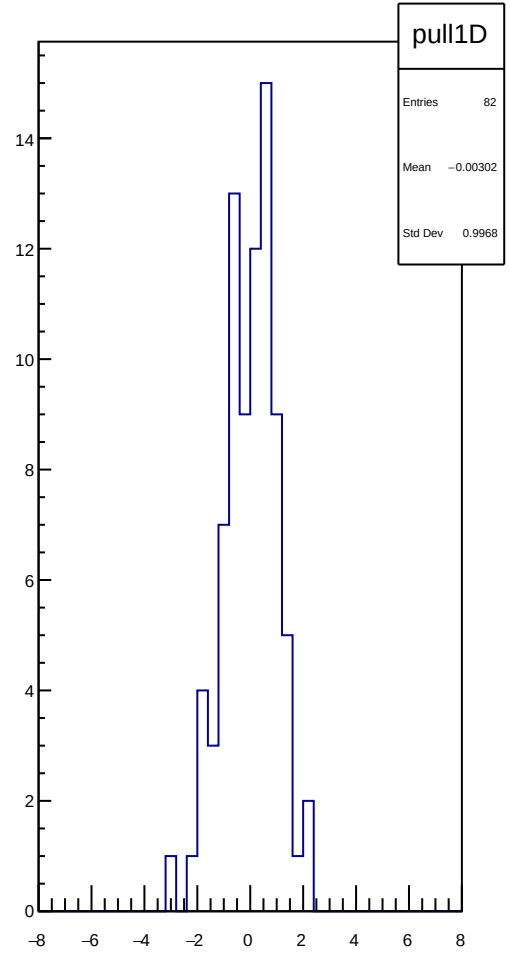


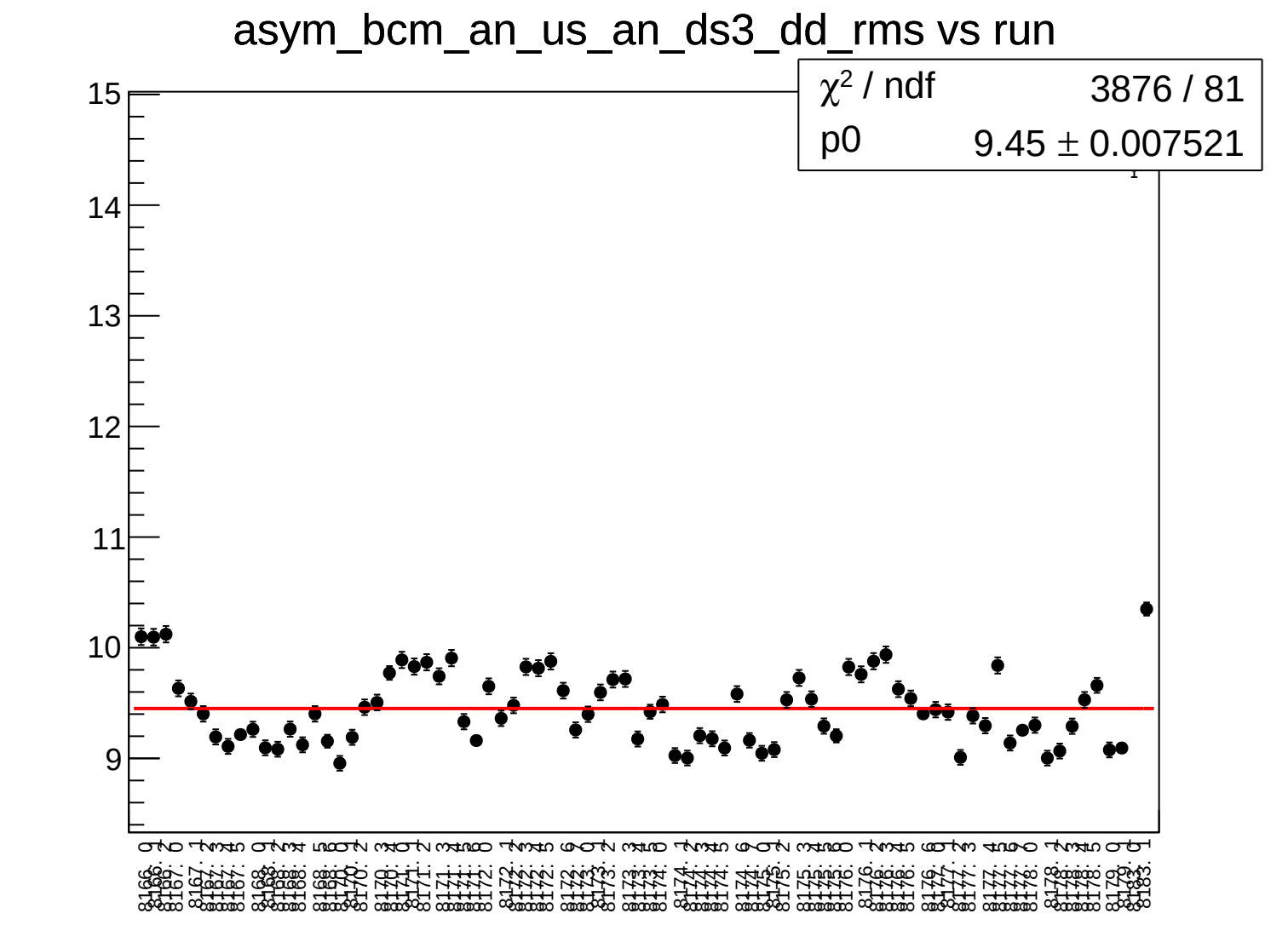

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 14.29 / 81
p0 −170.6 ± 172.8
pull
Entries 82
Mean 1015
Std Dev 0

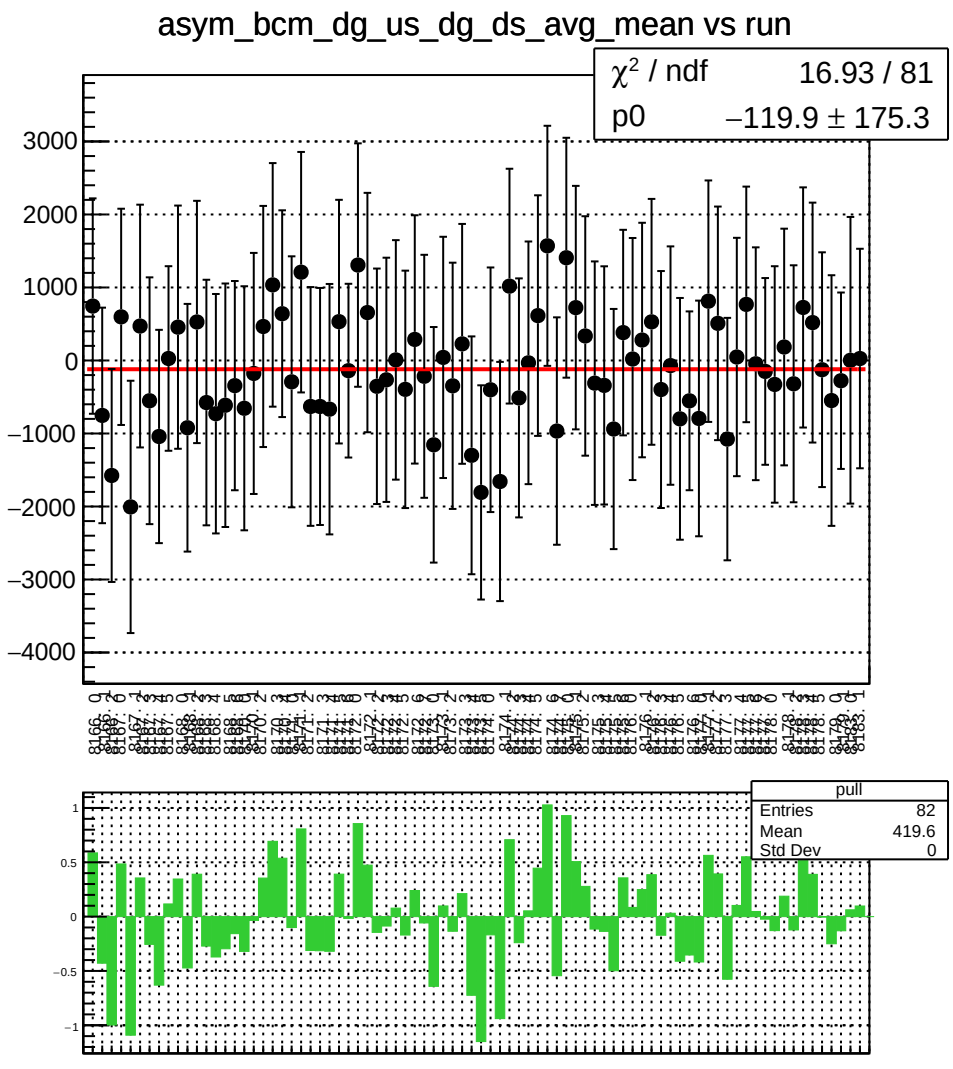

pull1D
Entries 82
Mean 0.001771
Std Dev 0.4174

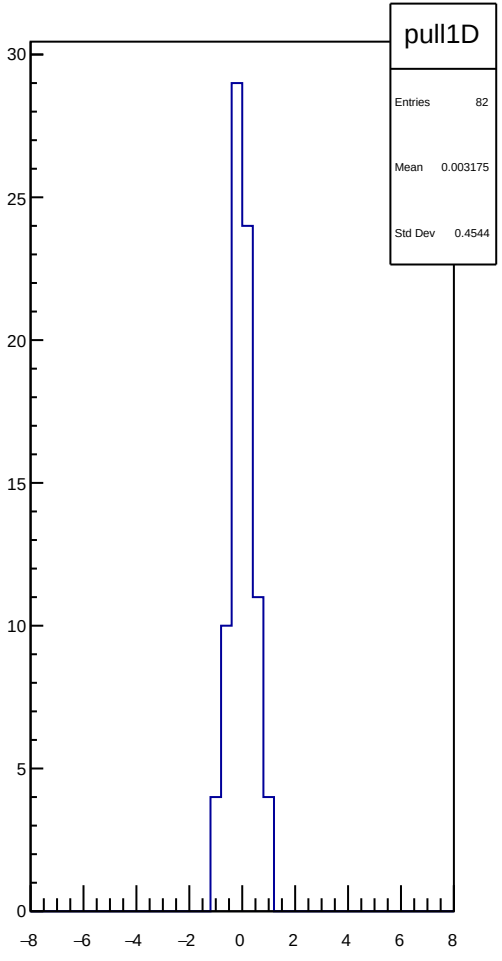

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3109 / 81
p0 153.6 ± 0.1222
190
180
170
160
150
140
130

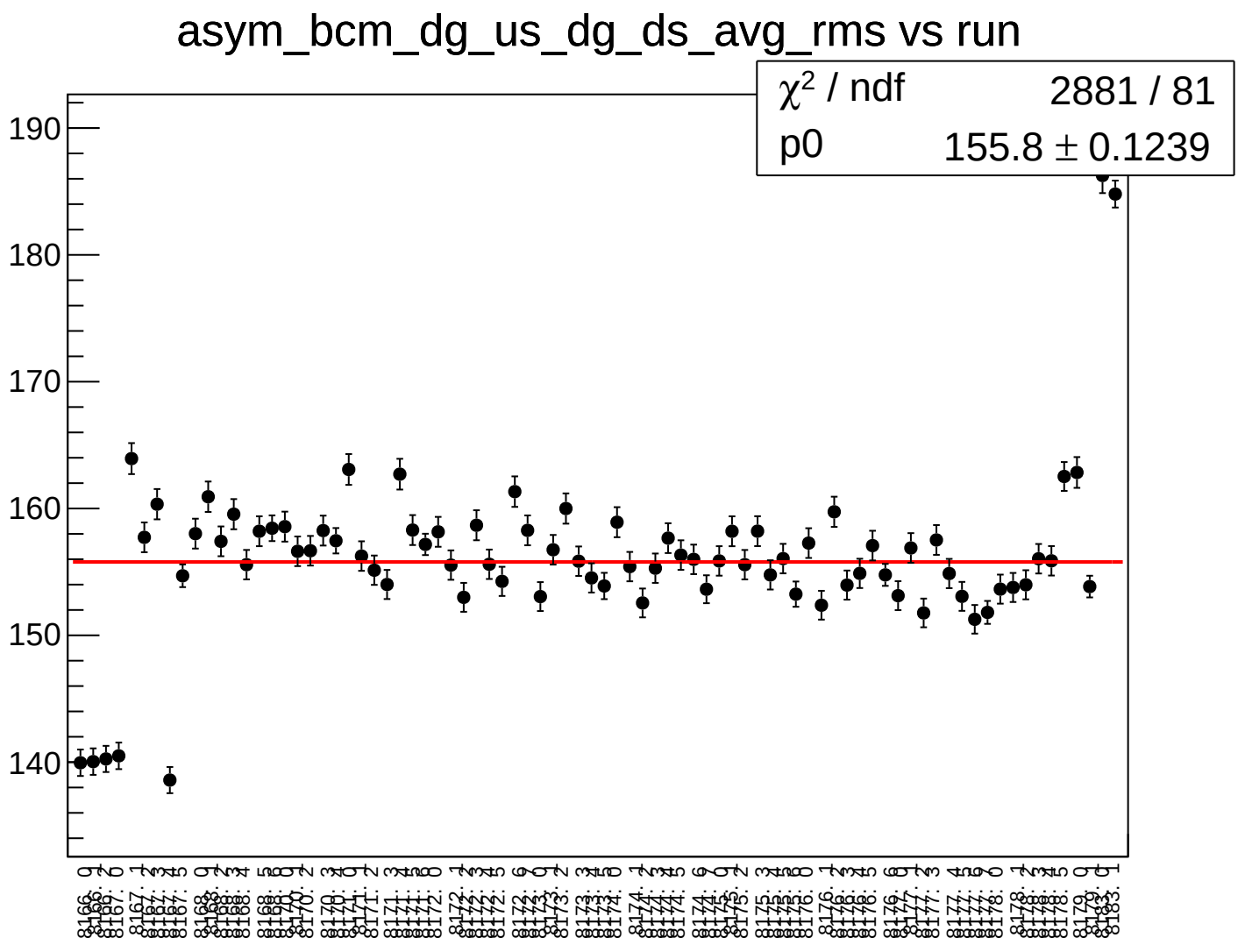

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 81.48 / 81
p0 −7.454 ± 10.64
pull
Entries 82
Mean 283.1
Std Dev 0

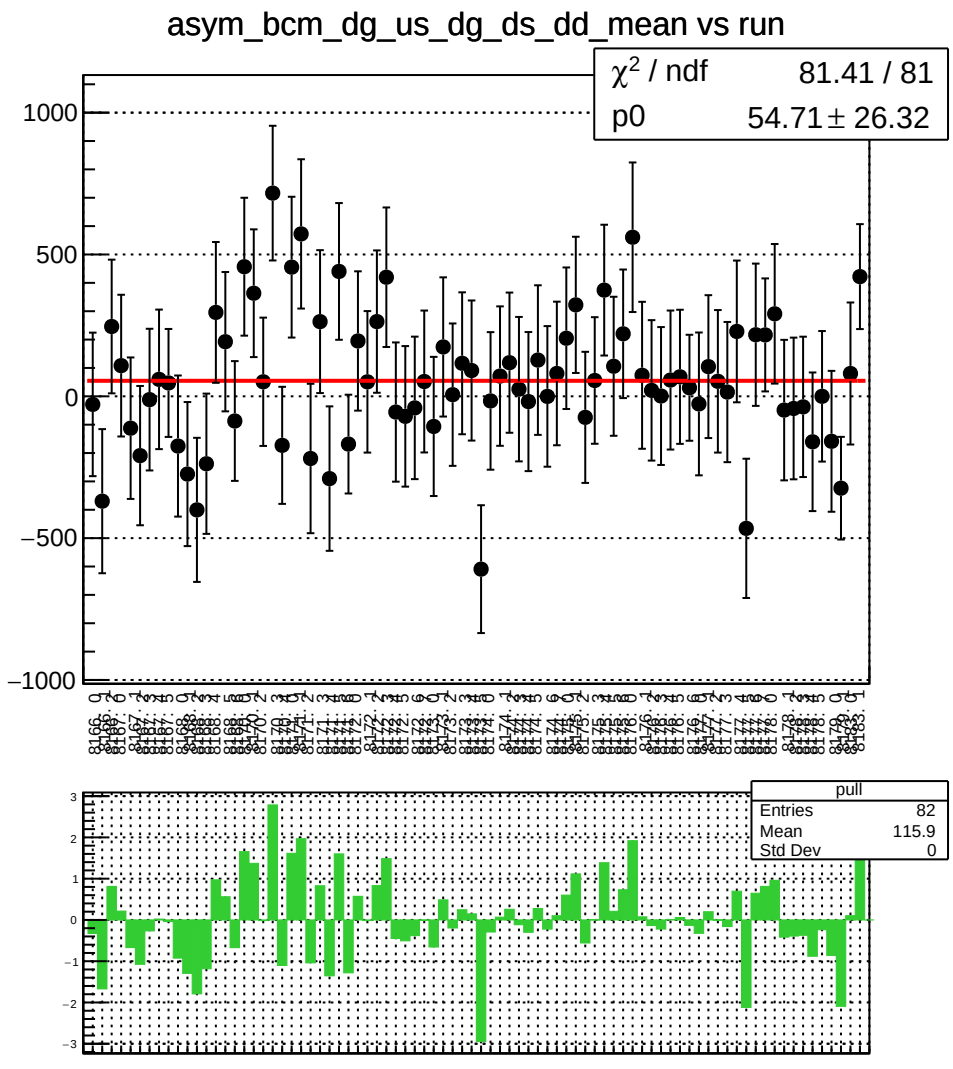

pull1D
Entries 82
Mean −0.00302
Std Dev 0.9968

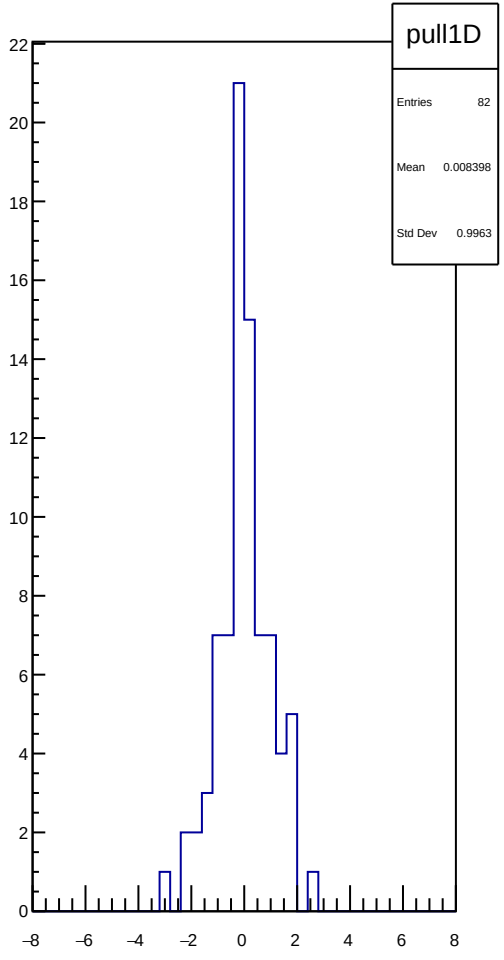

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 3876 / 81
p0 9.45 ± 0.007521
15
14
13
12
11
10
9

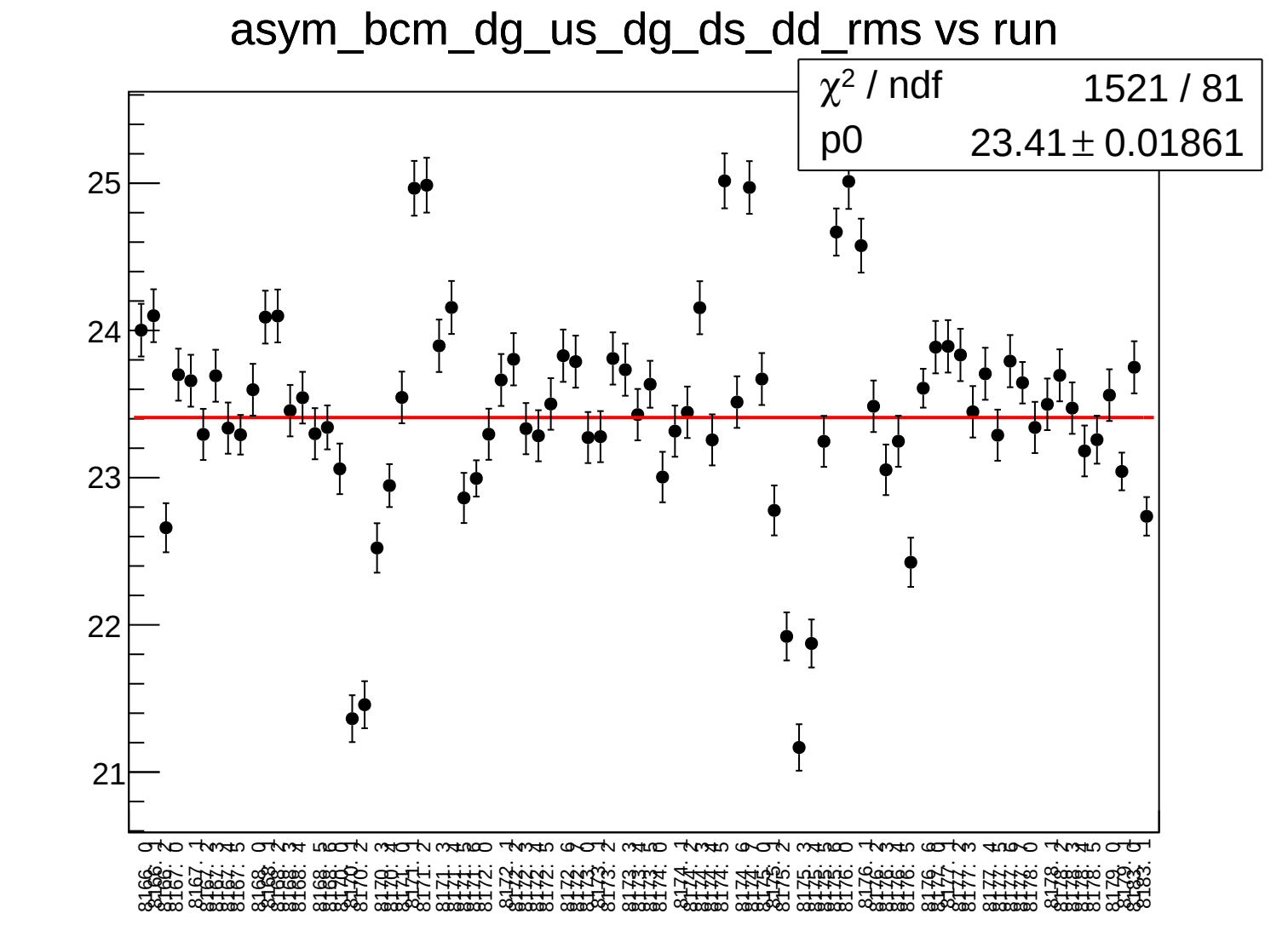

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 16.93 / 81
p0 −119.9 ± 175.3
pull
Entries 82
Mean 419.6
Std Dev 0

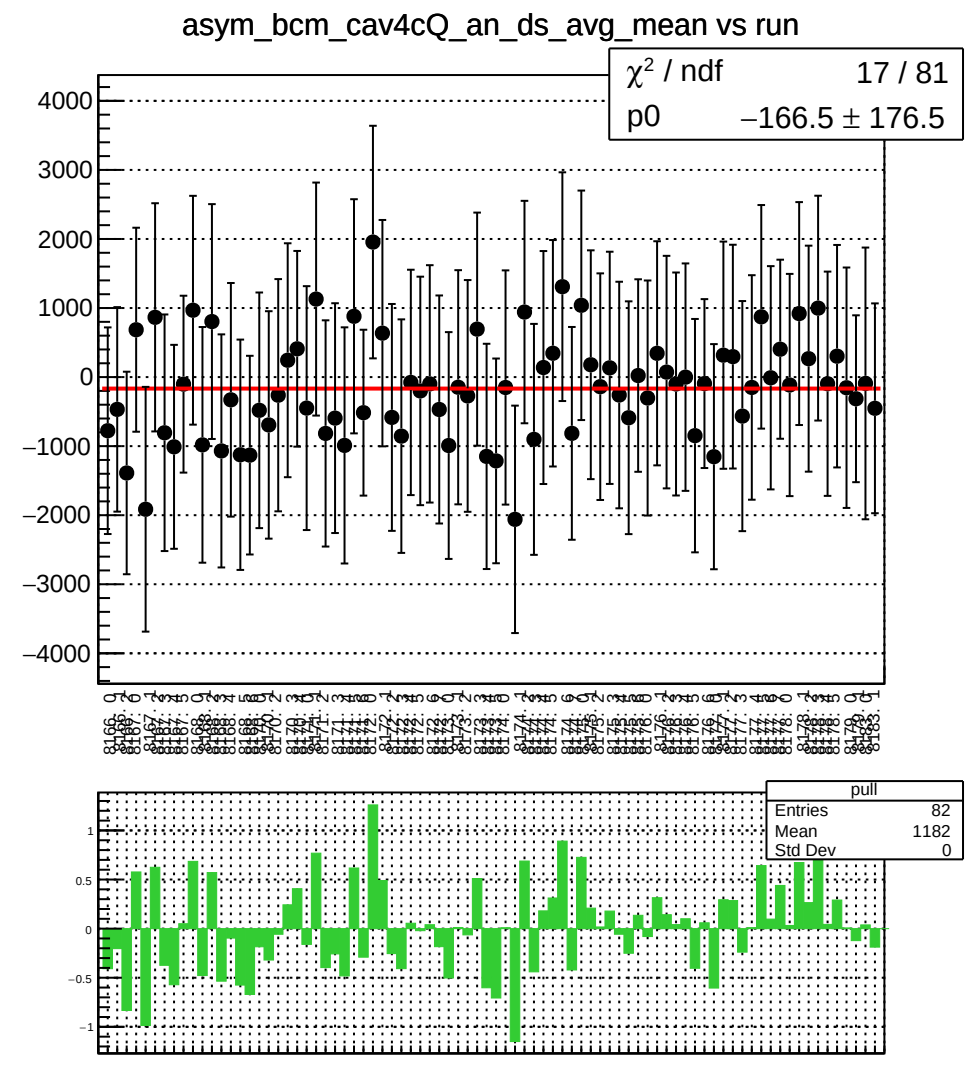

pull1D
Entries 82
Mean 0.003175
Std Dev 0.4544

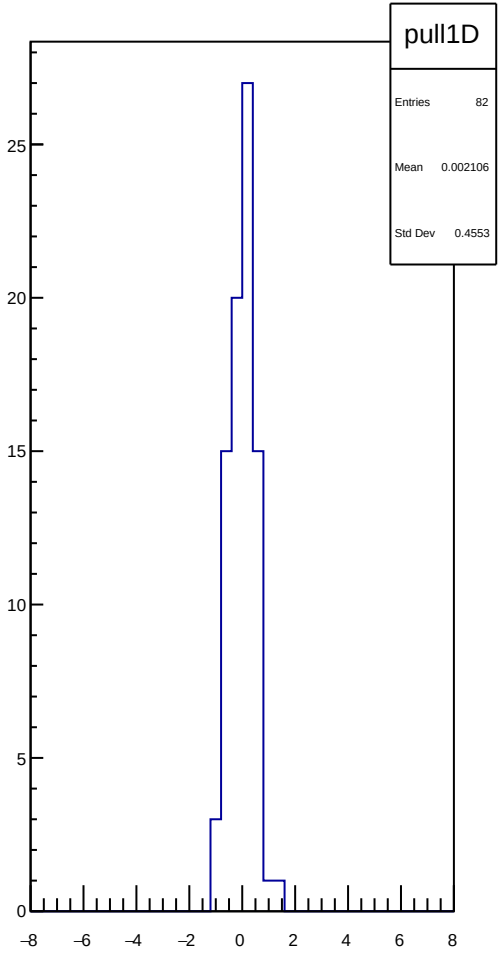

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 2881 / 81
p0 155.8 ± 0.1239
190
180
170
160
150
140

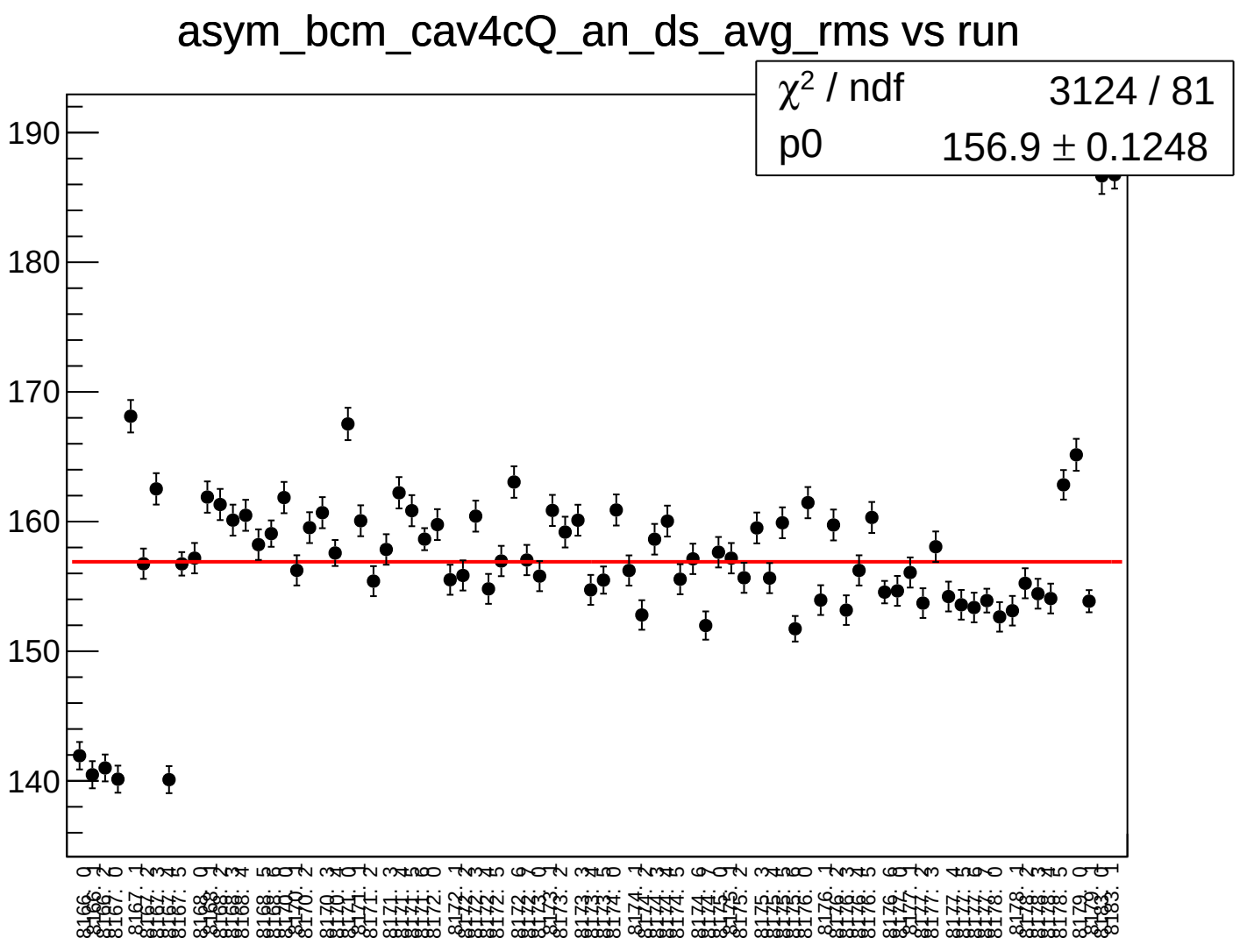

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 81.41 / 81
p0 54.71 ± 26.32
1000
500
0
−500
−1000
pull
Entries 82
Mean 115.9
Std Dev 0
3
2
1
0
−1
−2
−3

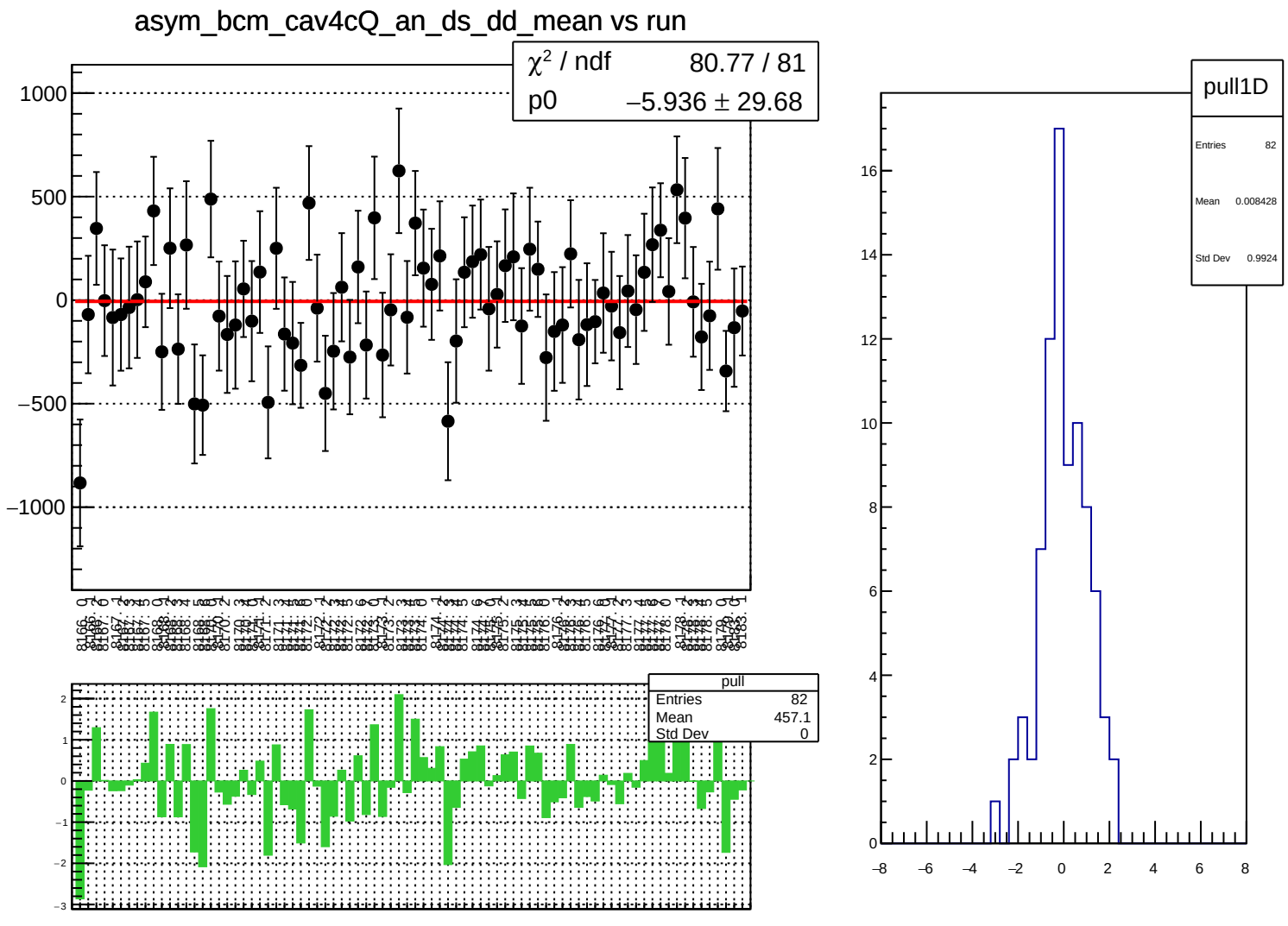

pull1D
Entries 82
Mean 0.008398
Std Dev 0.9963
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

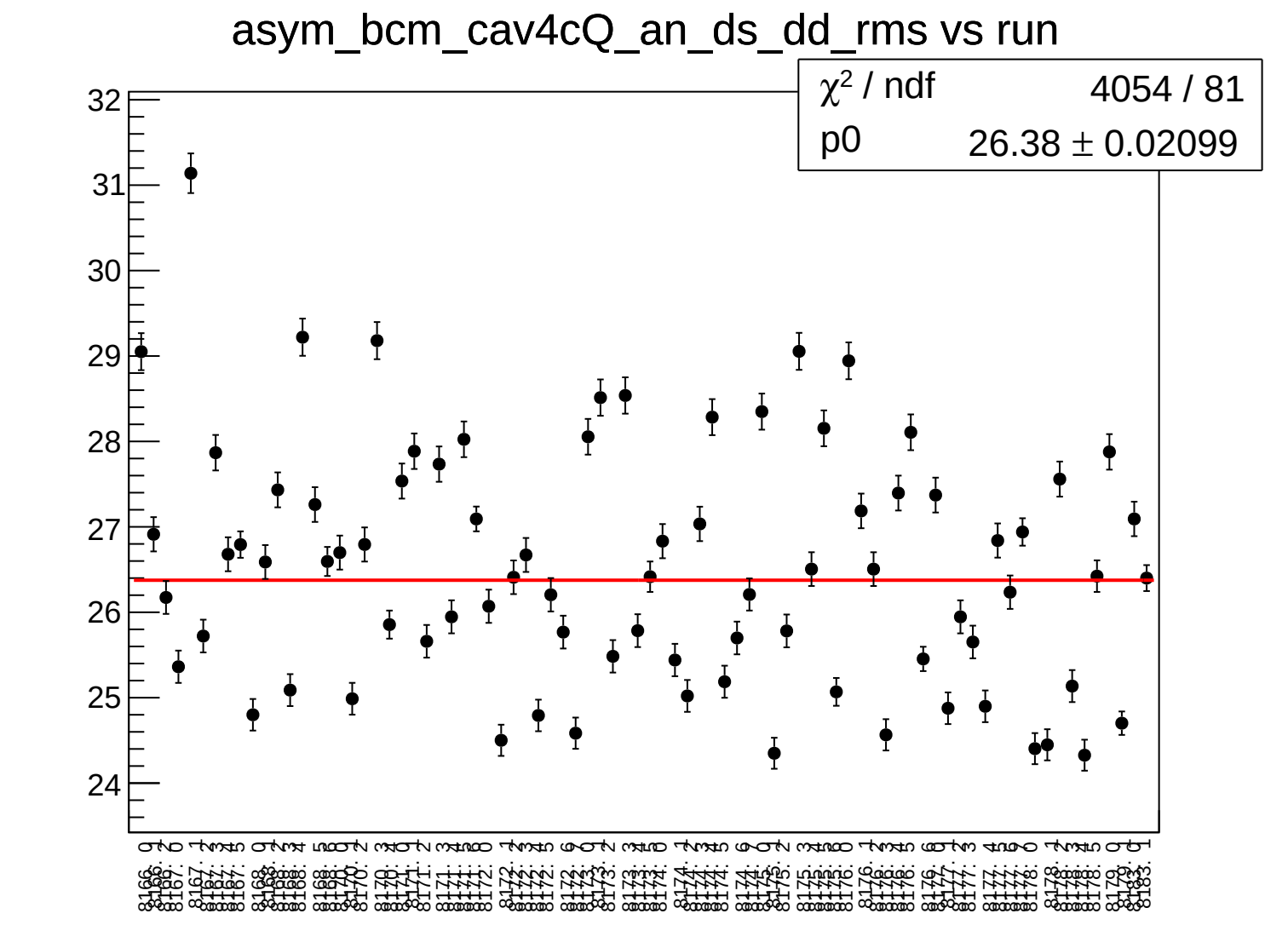

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1521 / 81
p0 23.41 ± 0.01861
25
24
23
22
21

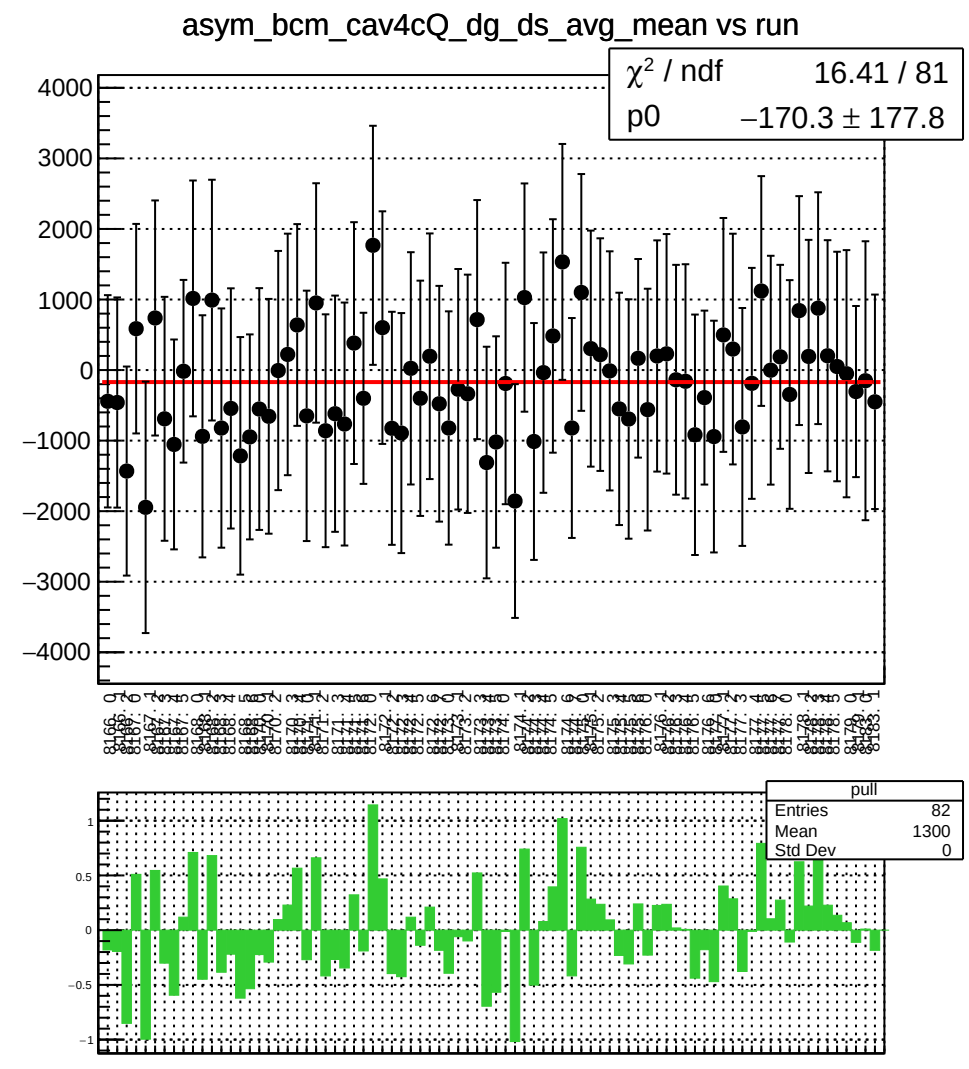

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 17 / 81
p0 −166.5 ± 176.5
pull
Entries 82
Mean 1182
Std Dev 0

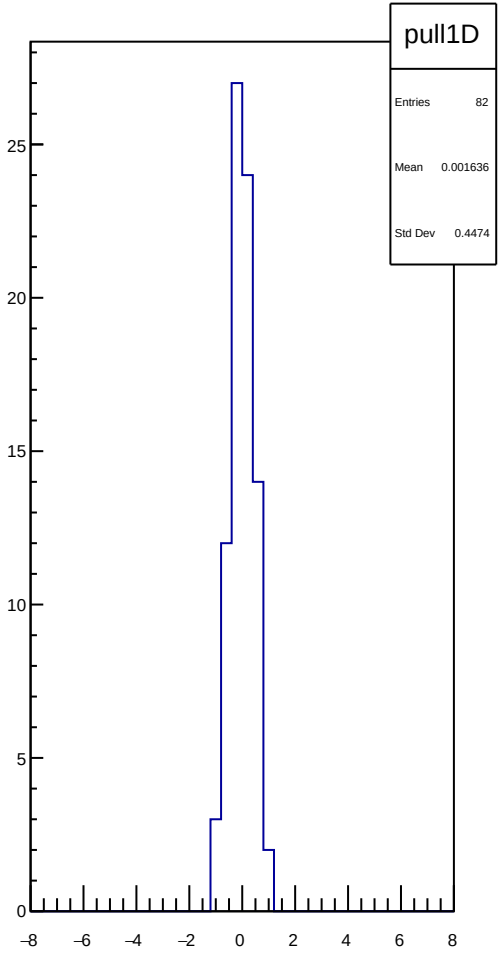

pull1D
Entries 82
Mean 0.002106
Std Dev 0.4553

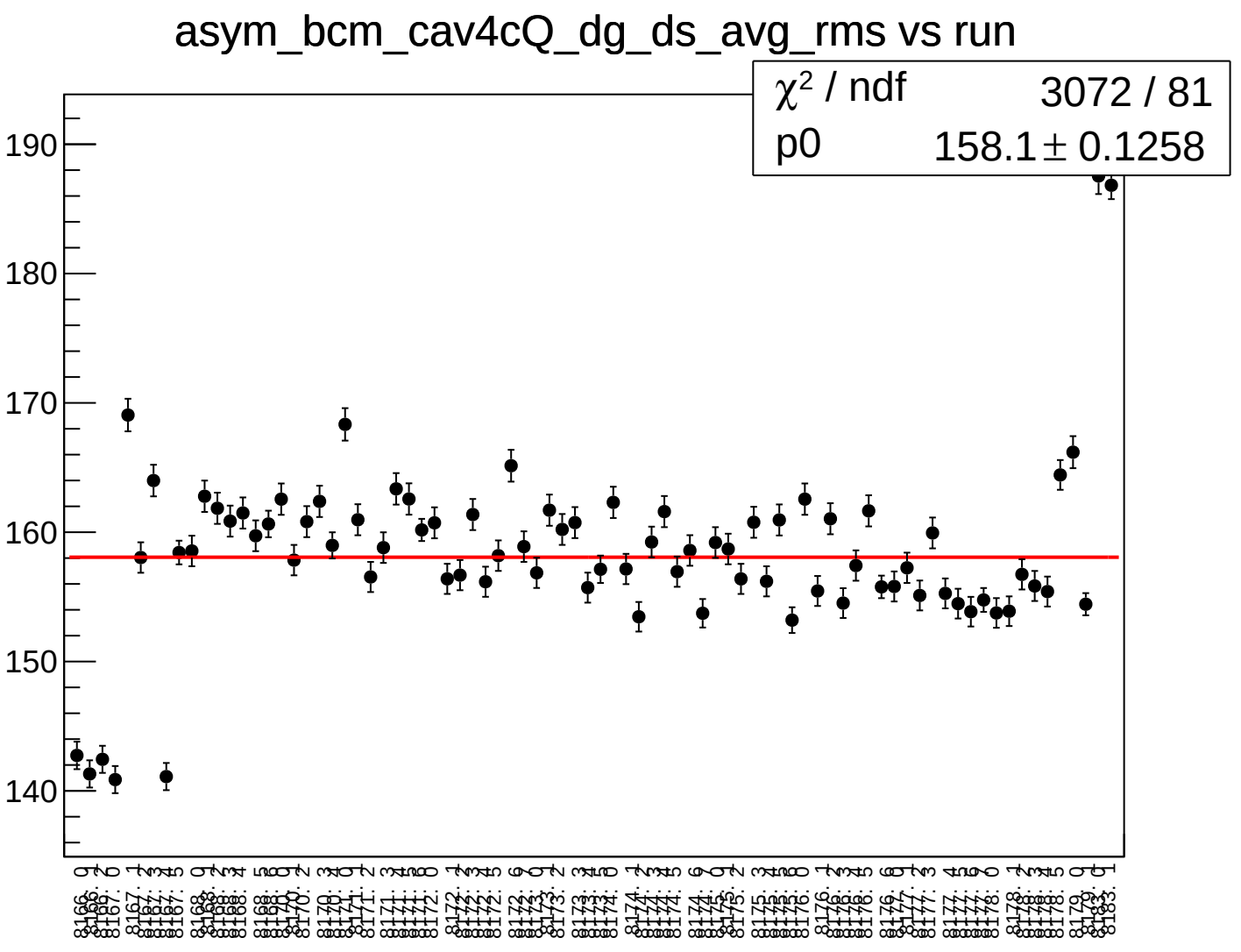

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 3124 / 81
p0 156.9 ± 0.1248
190
180
170
160
150
140

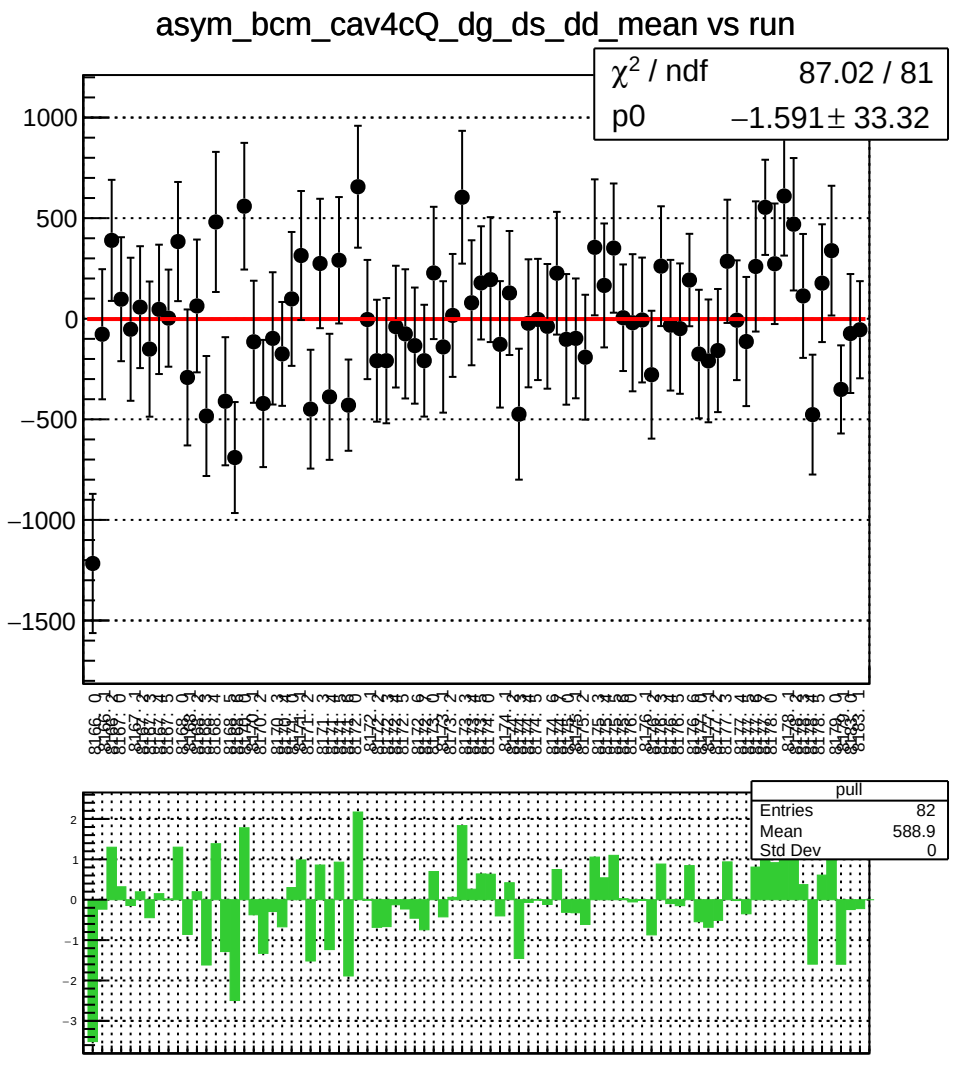

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 80.77 / 81
p0 −5.936 ± 29.68
1000
500
0
−500
−1000
pull
Entries 82
Mean 457.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.008428
Std Dev 0.9924
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

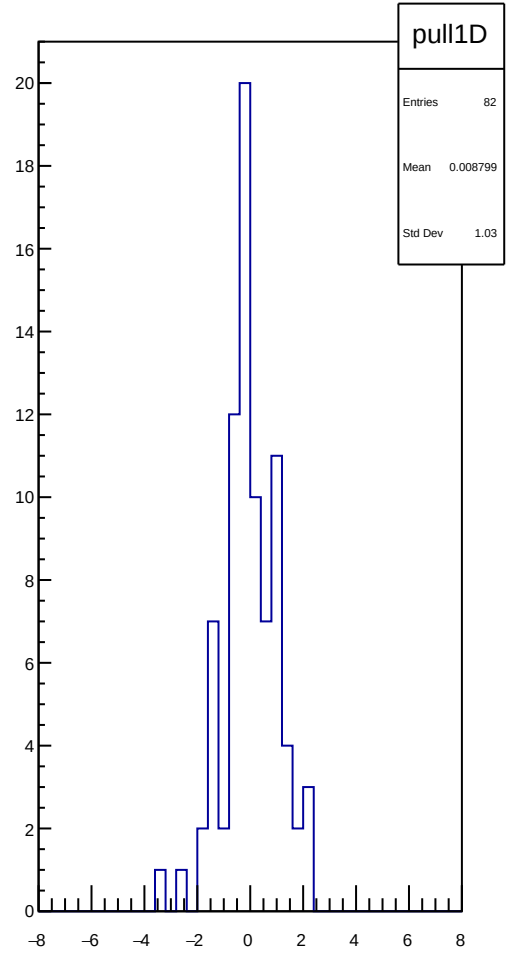

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 4054 / 81
p0 26.38 ± 0.02099
32
31
30
29
28
27
26
25
24

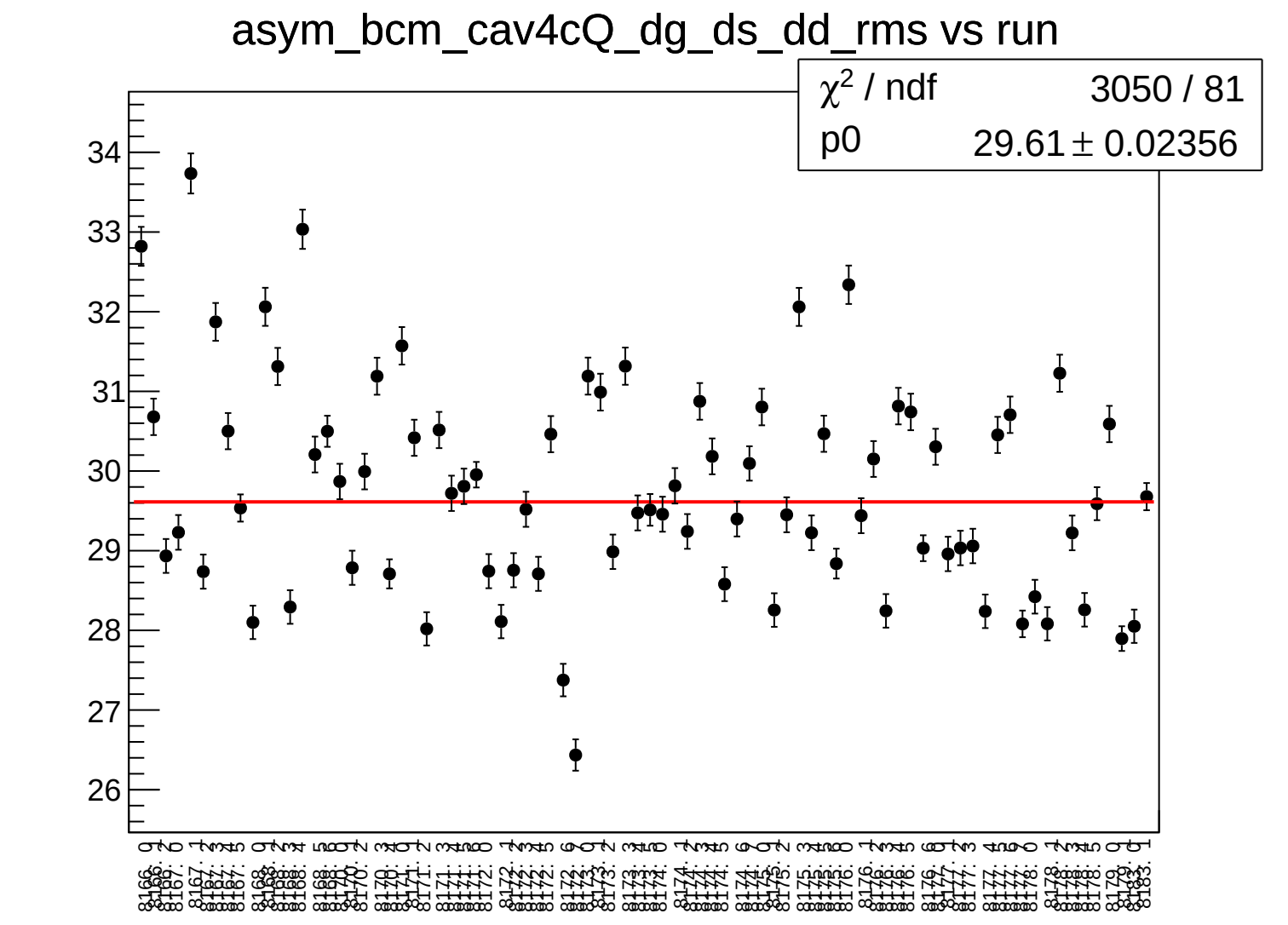

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 16.41 / 81
p0 −170.3 ± 177.8
pull
Entries 82
Mean 1300
Std Dev 0

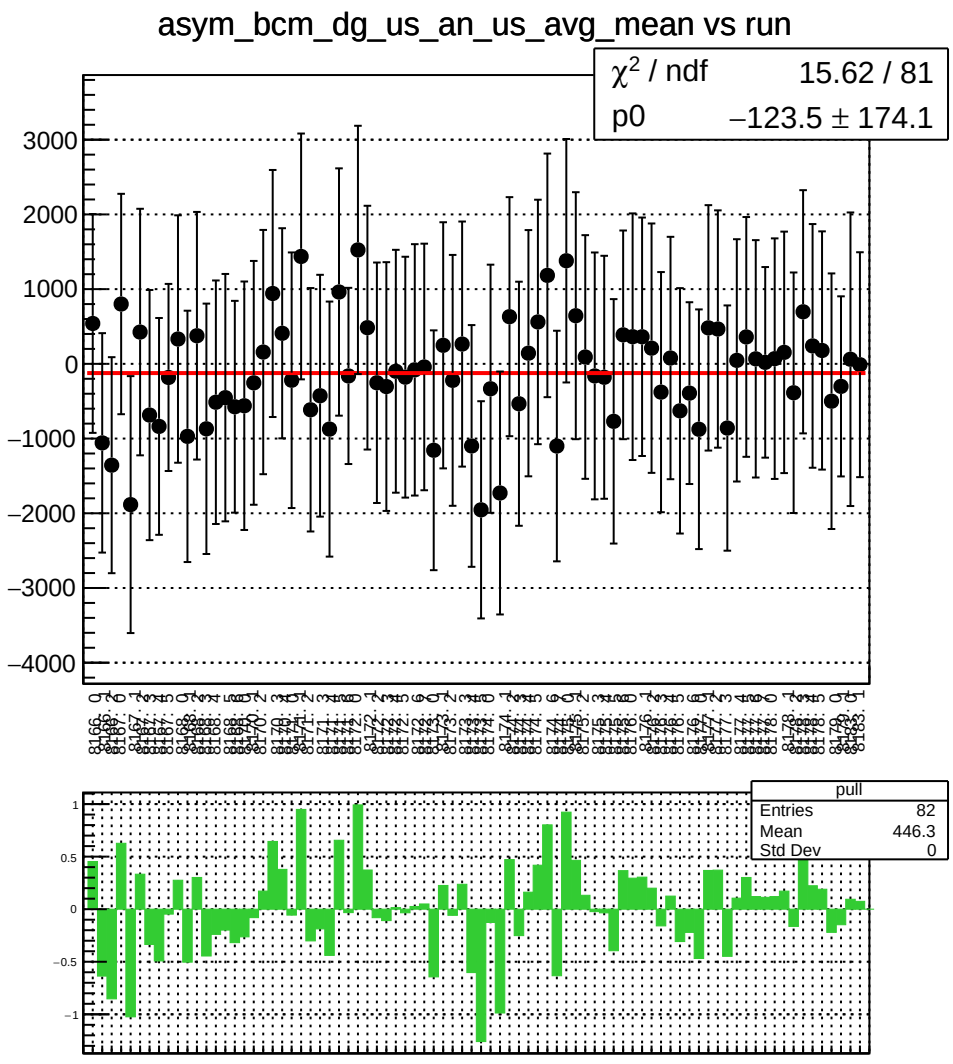

pull1D
Entries 82
Mean 0.001636
Std Dev 0.4474

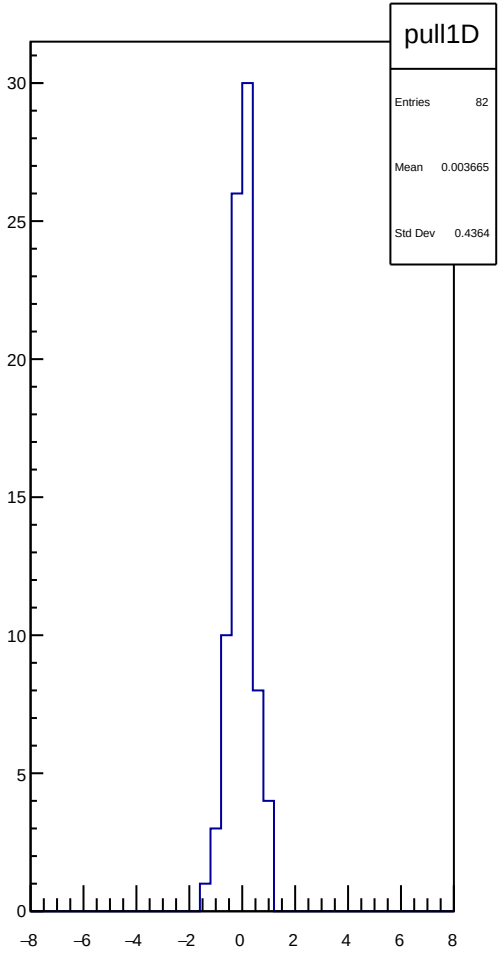

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 3072 / 81
p0 158.1 ± 0.1258
190
180
170
160
150
140

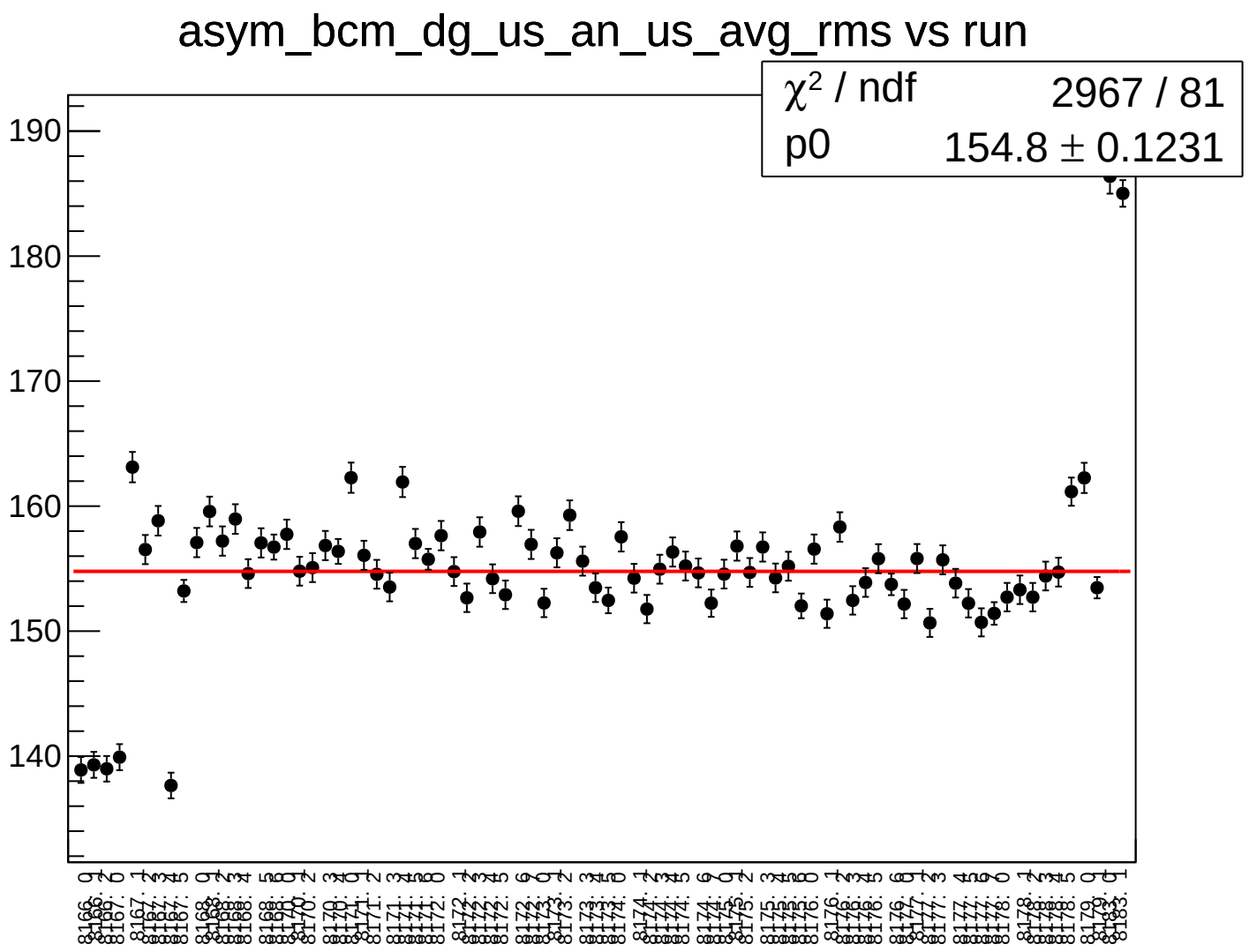

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 87.02 / 81
p0 −1.591 ± 33.32
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean 588.9
Std Dev 0
2
1
0
−1
−2
−3

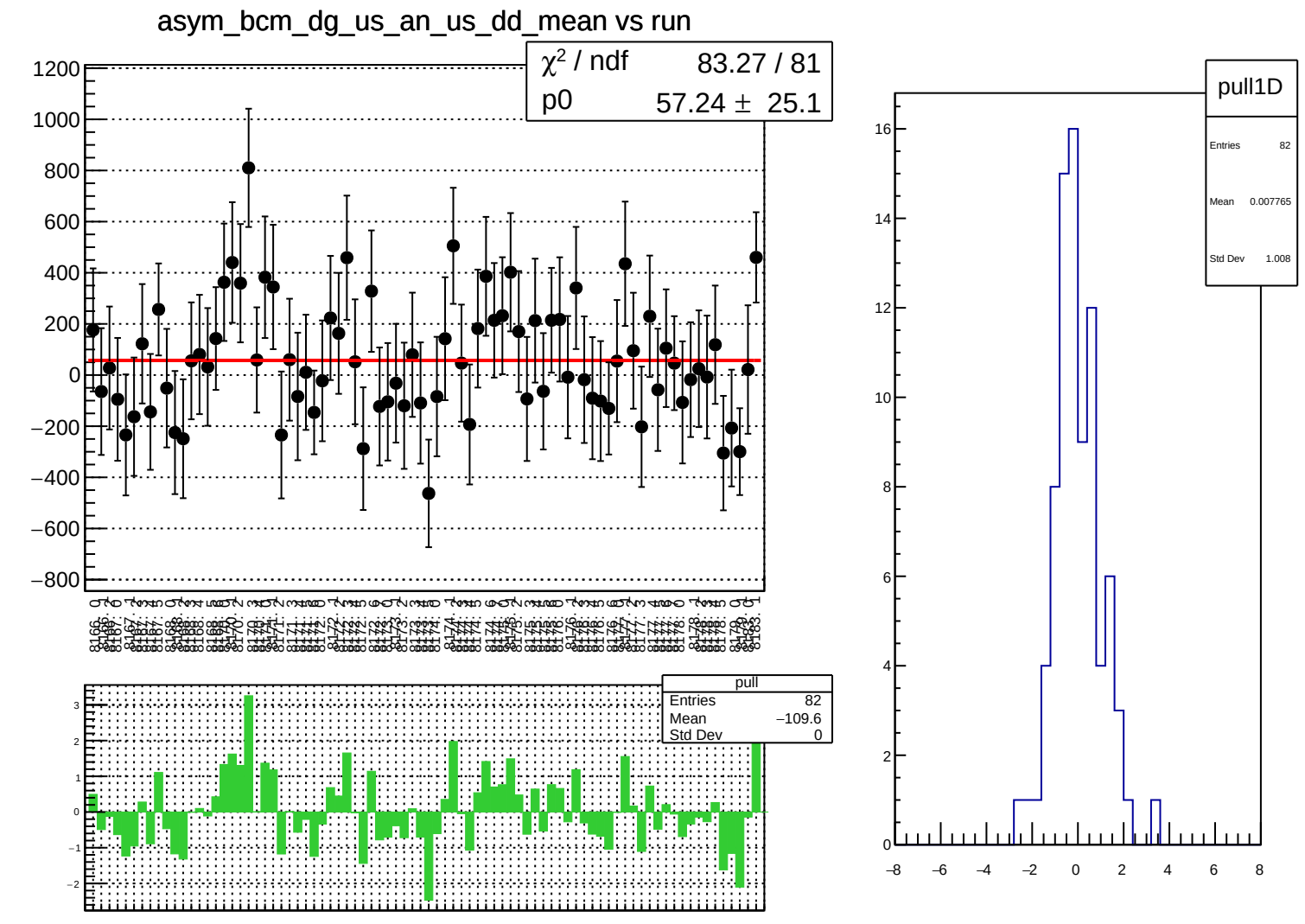

pull1D
Entries 82
Mean 0.008799
Std Dev 1.03
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

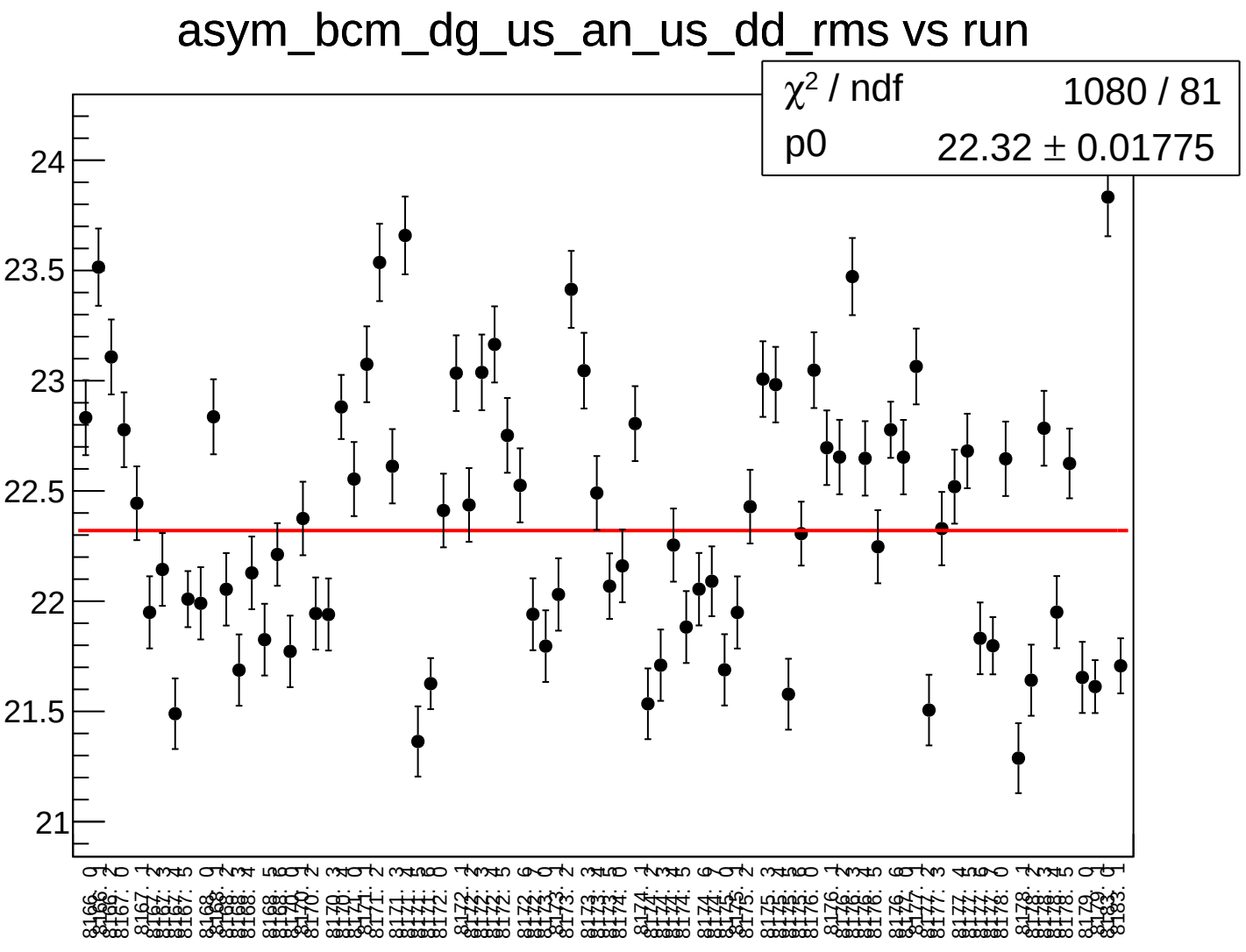

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 3050 / 81
p0 29.61 ± 0.02356
34
33
32
31
30
29
28
27
26

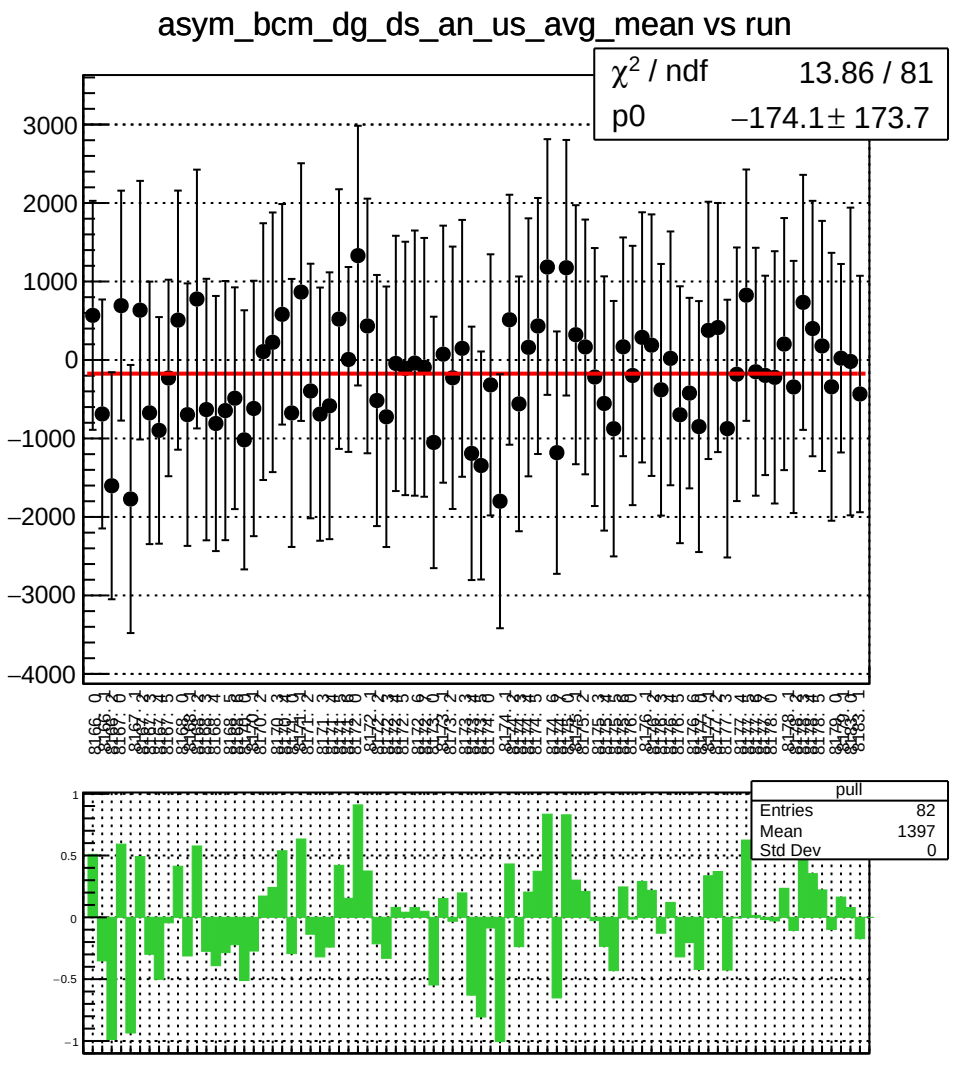

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 15.62 / 81
p0 −123.5 ± 174.1
pull
Entries 82
Mean 446.3
Std Dev 0

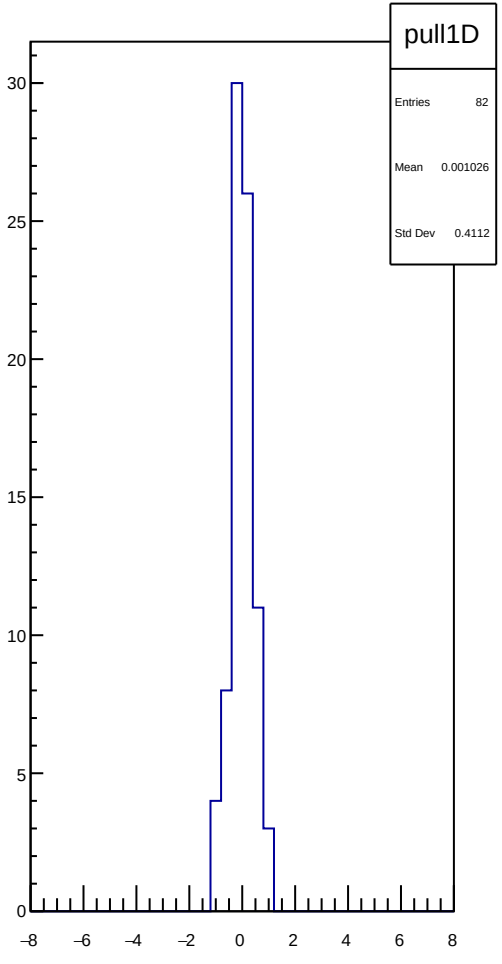

pull1D
Entries 82
Mean 0.003665
Std Dev 0.4364

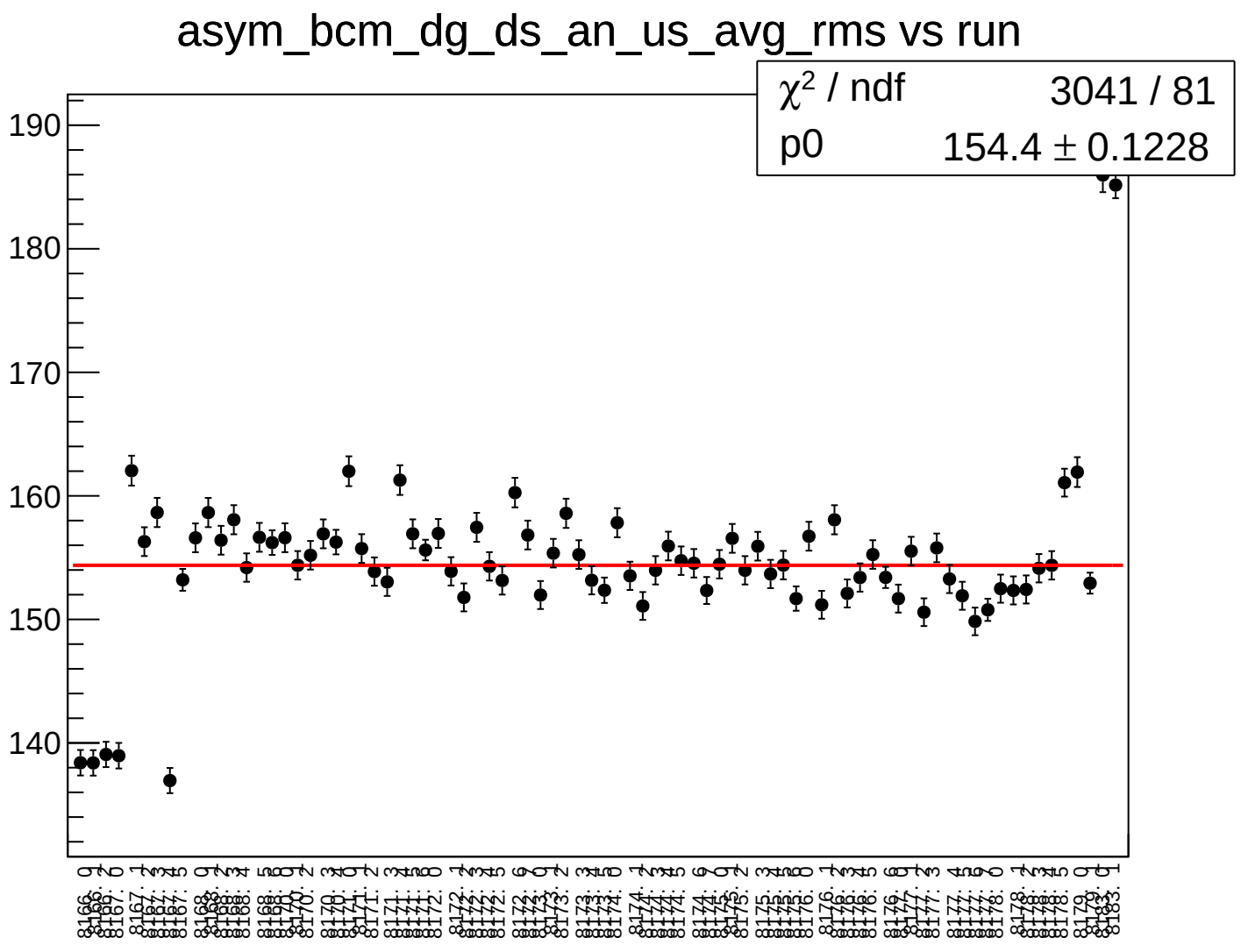

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 2967 / 81
p0 154.8 ± 0.1231
190
180
170
160
150
140

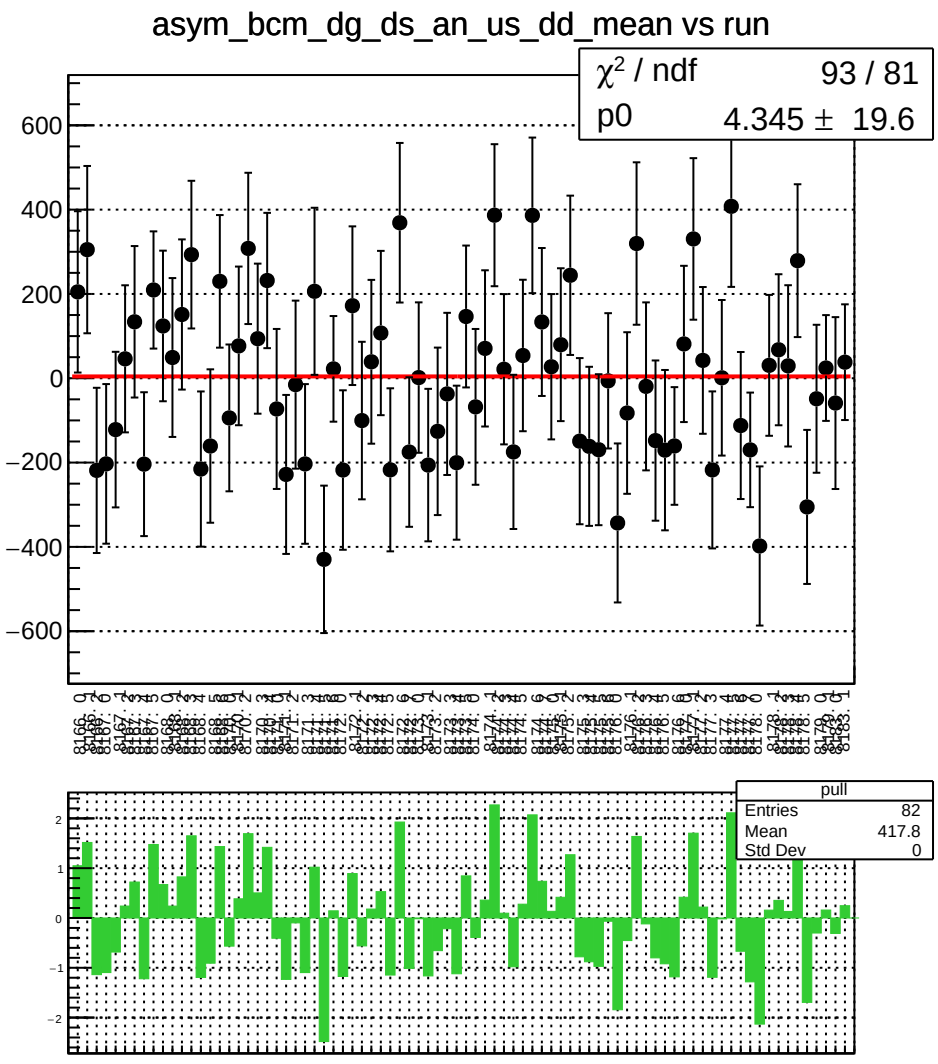

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 83.27 / 81
p0 57.24 ± 25.1
pull
Entries 82
Mean −109.6
Std Dev 0
pull1D
Entries 82
Mean 0.007765
Std Dev 1.008

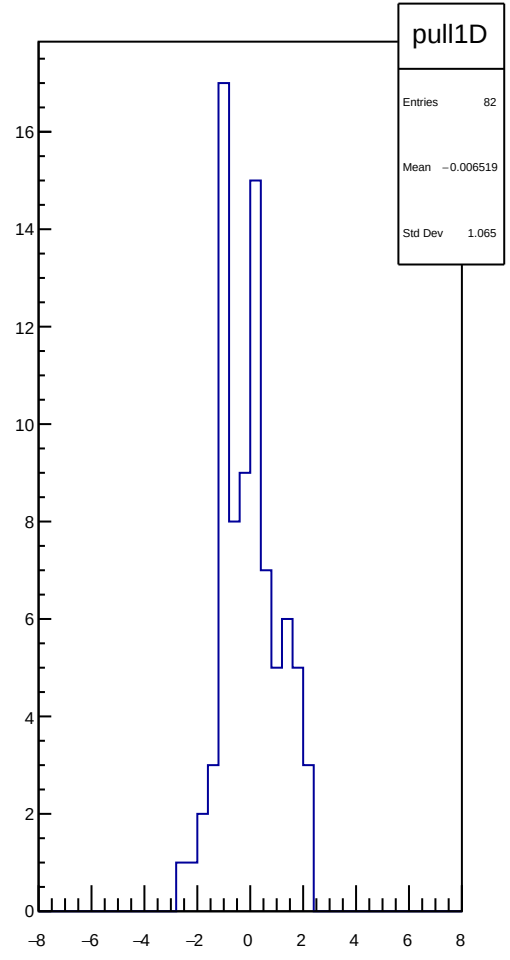

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 1080 / 81
p0 22.32 ± 0.01775
24
23.5
23
22.5
22
21.5
21

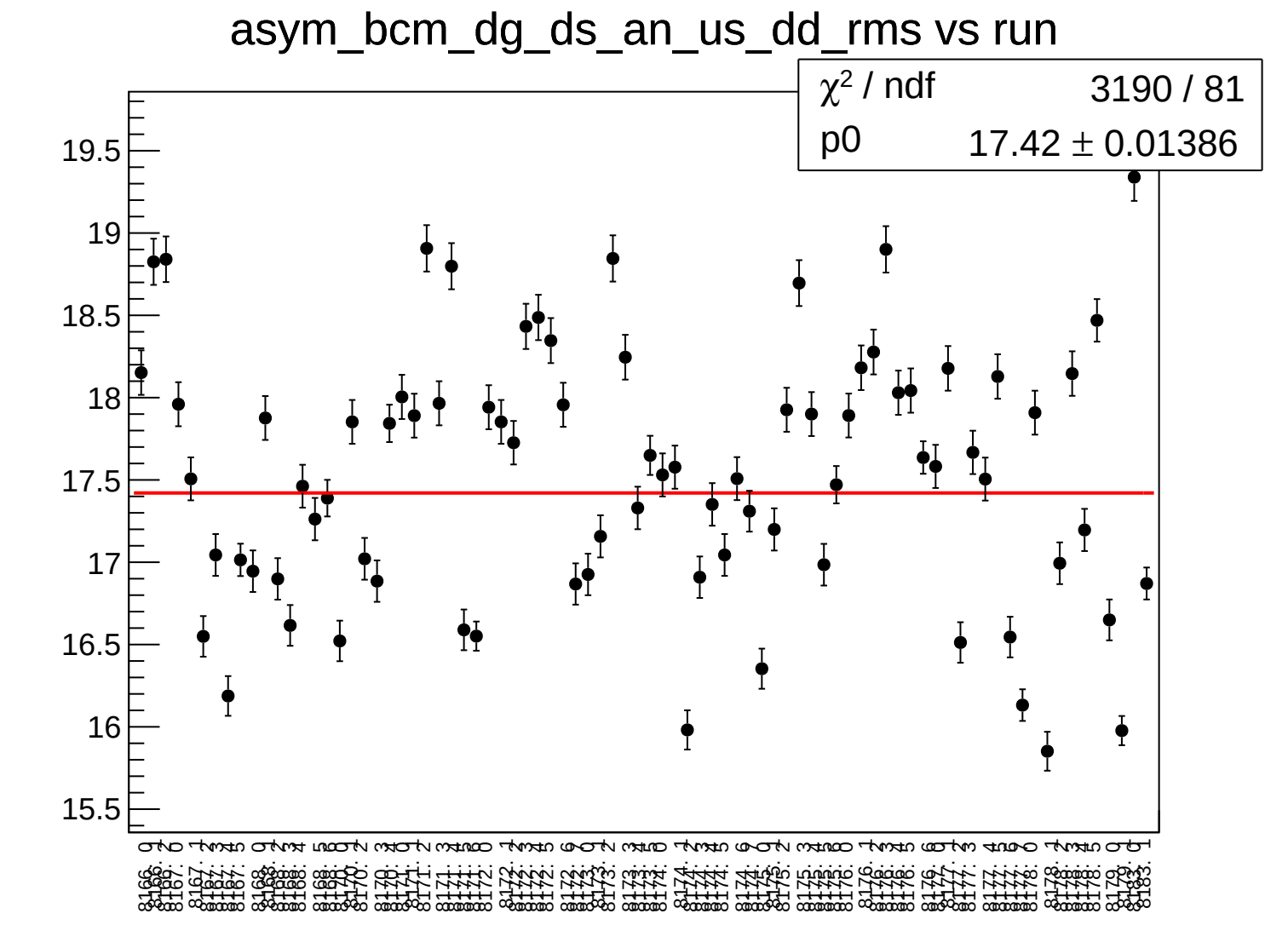

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 13.86 / 81
p0 −174.1± 173.7
pull
Entries 82
Mean 1397
Std Dev 0

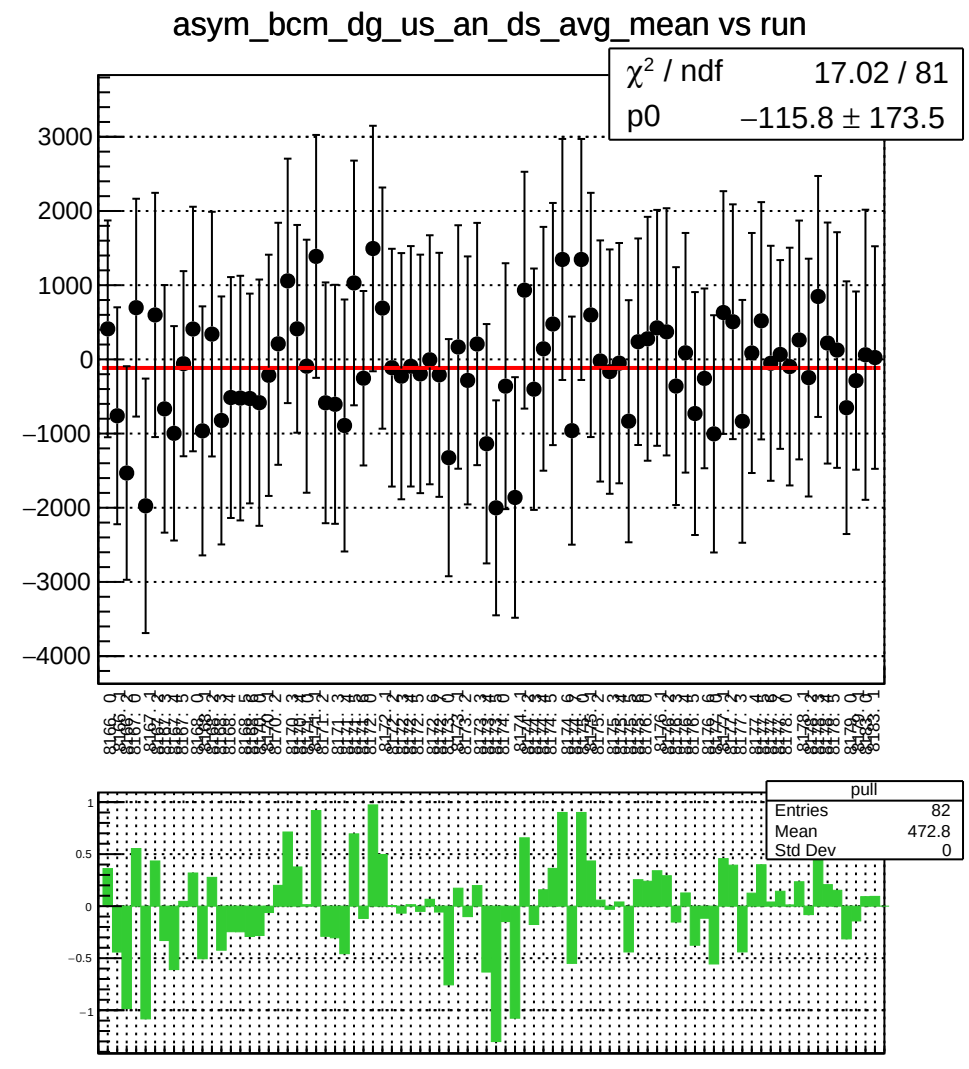

pull1D
Entries 82
Mean 0.001026
Std Dev 0.4112

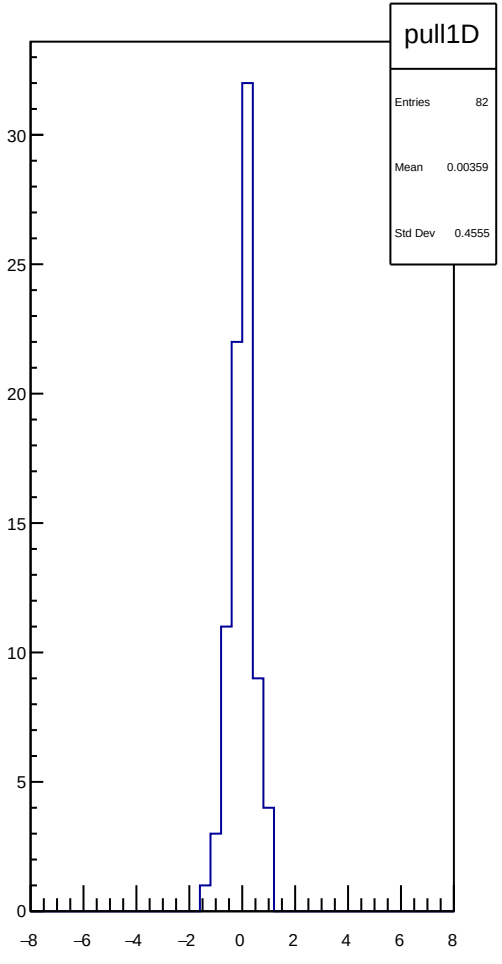

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3041 / 81
p0 154.4 ± 0.1228
190
180
170
160
150
140

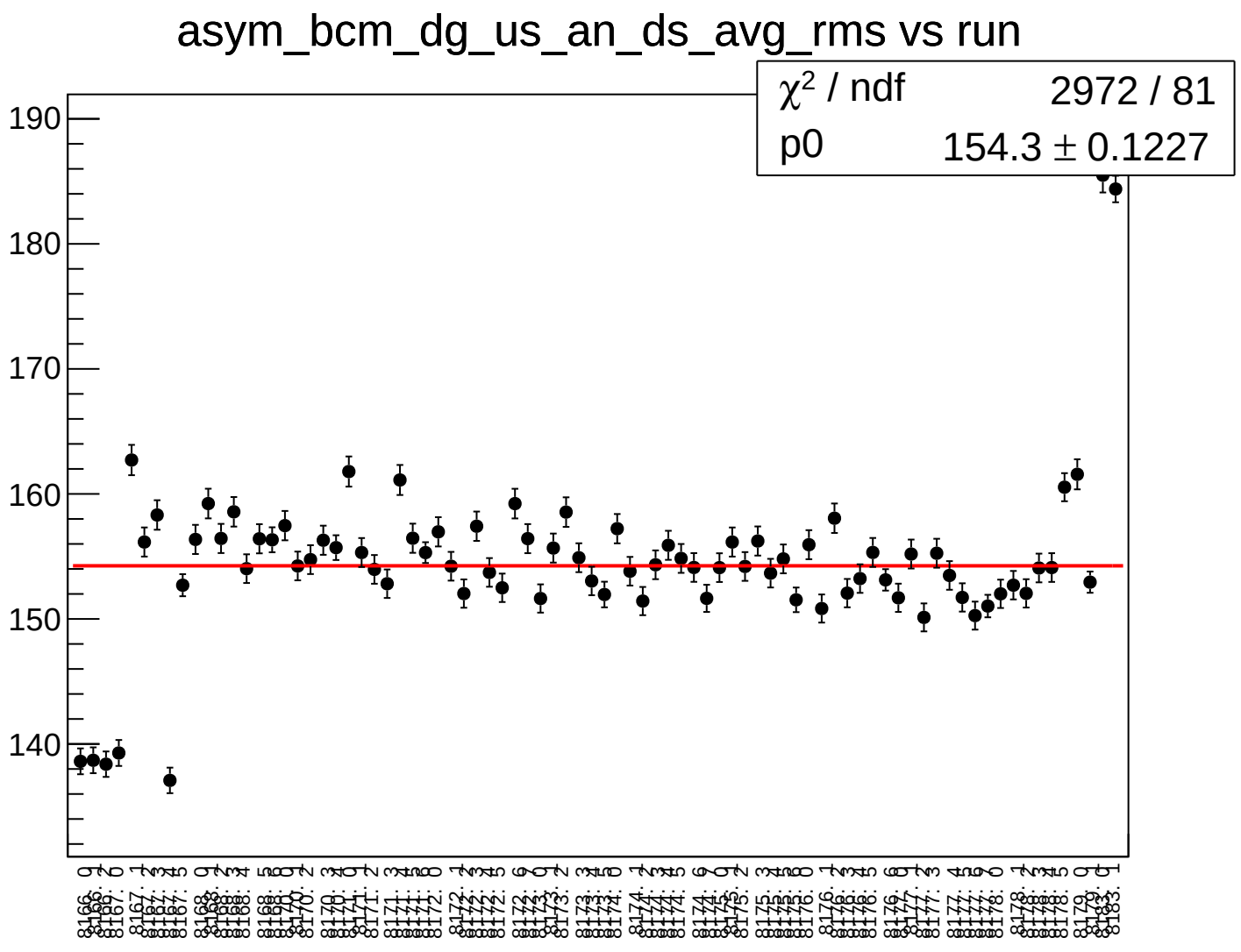

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 93 / 81
p0 4.345 ± 19.6
pull
Entries 82
Mean 417.8
Std Dev 0

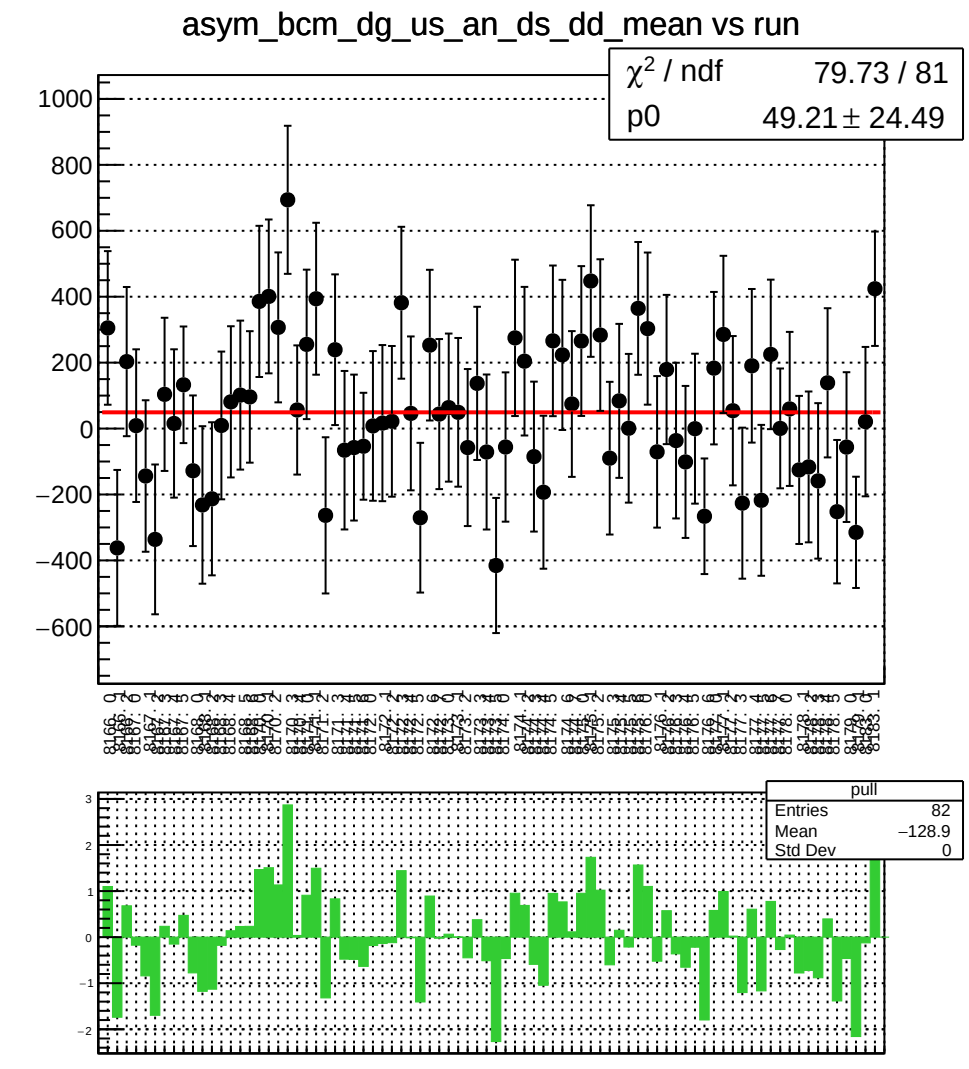

pull1D
Entries 82
Mean −0.006519
Std Dev 1.065

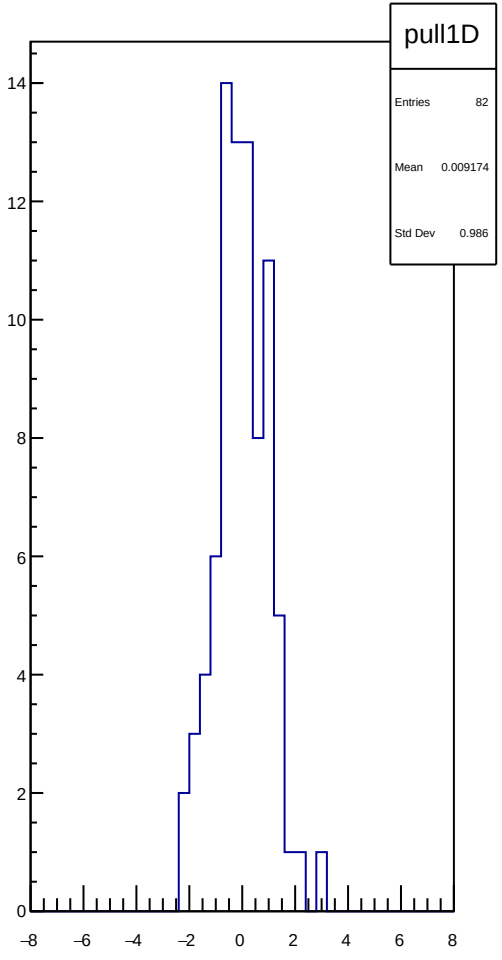

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 3190 / 81
p0 17.42 ± 0.01386
19.5
19
18.5
18
17.5
17
16.5
16
15.5

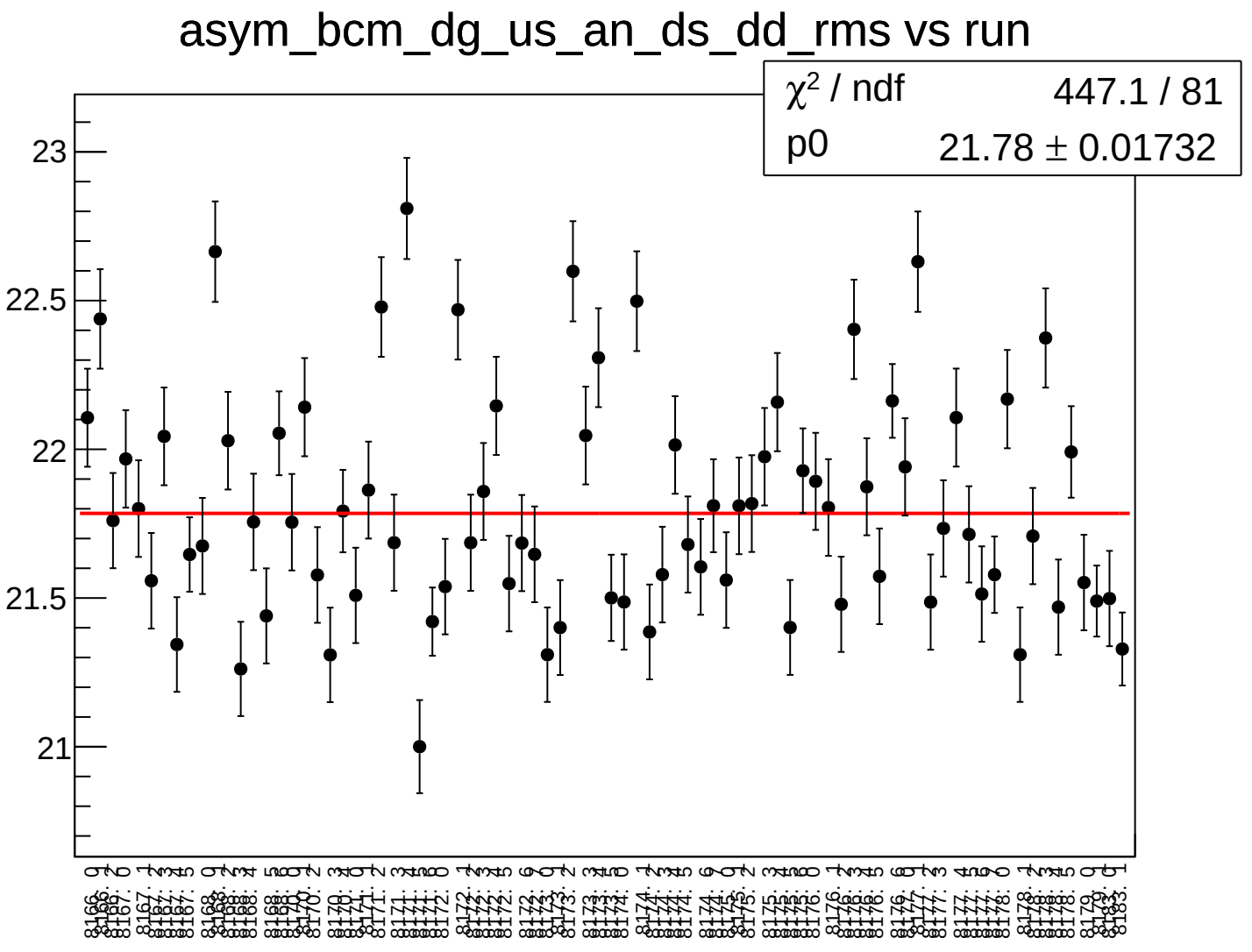

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 17.02 / 81
p0 −115.8 ± 173.5
pull
Entries 82
Mean 472.8
Std Dev 0

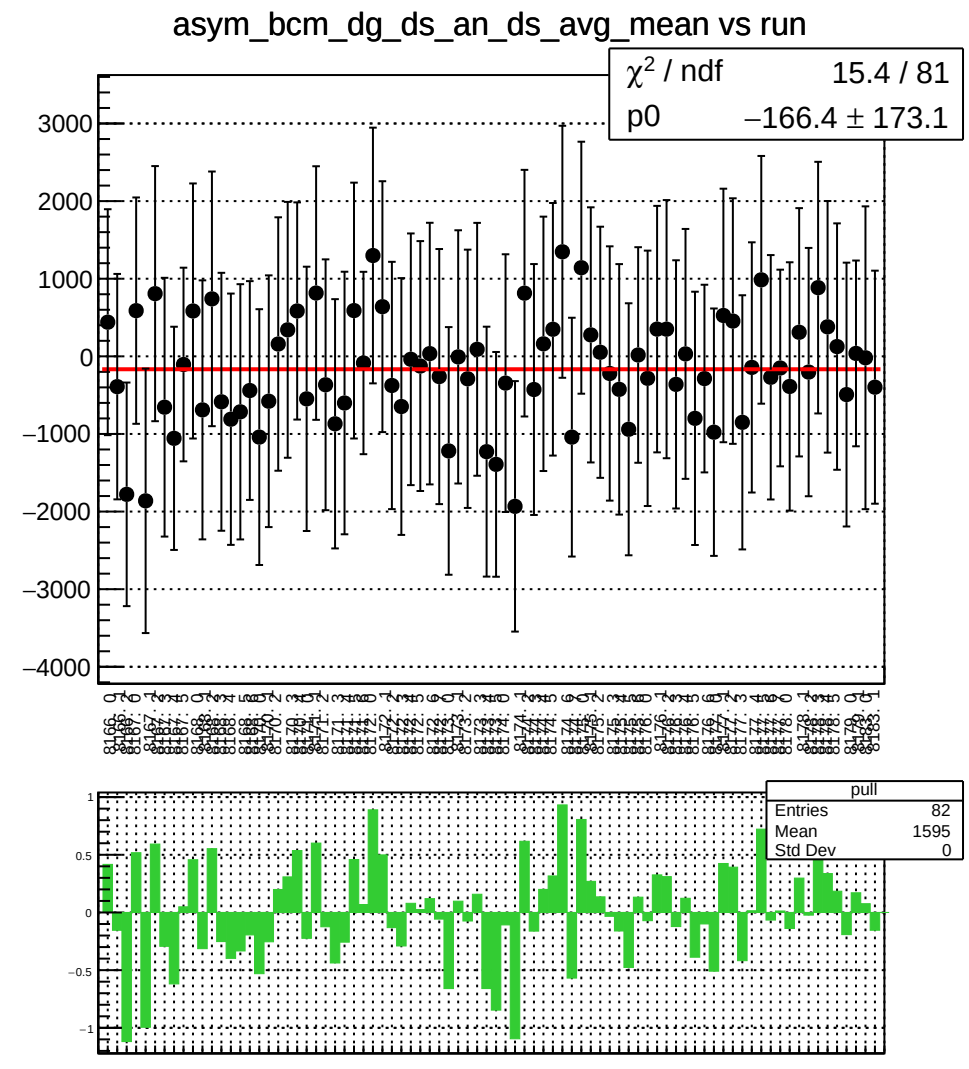

pull1D
Entries 82
Mean 0.00359
Std Dev 0.4555

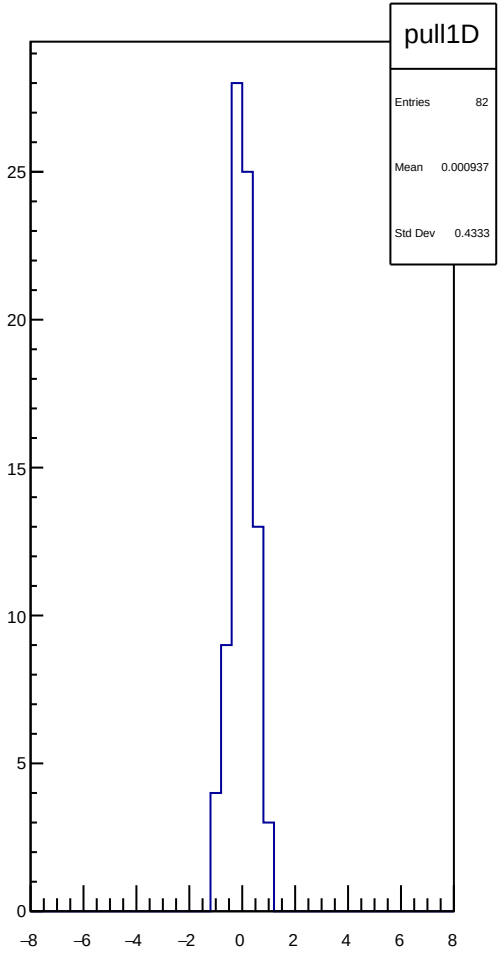

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 2972 / 81
p0 154.3 ± 0.1227
190
180
170
160
150
140

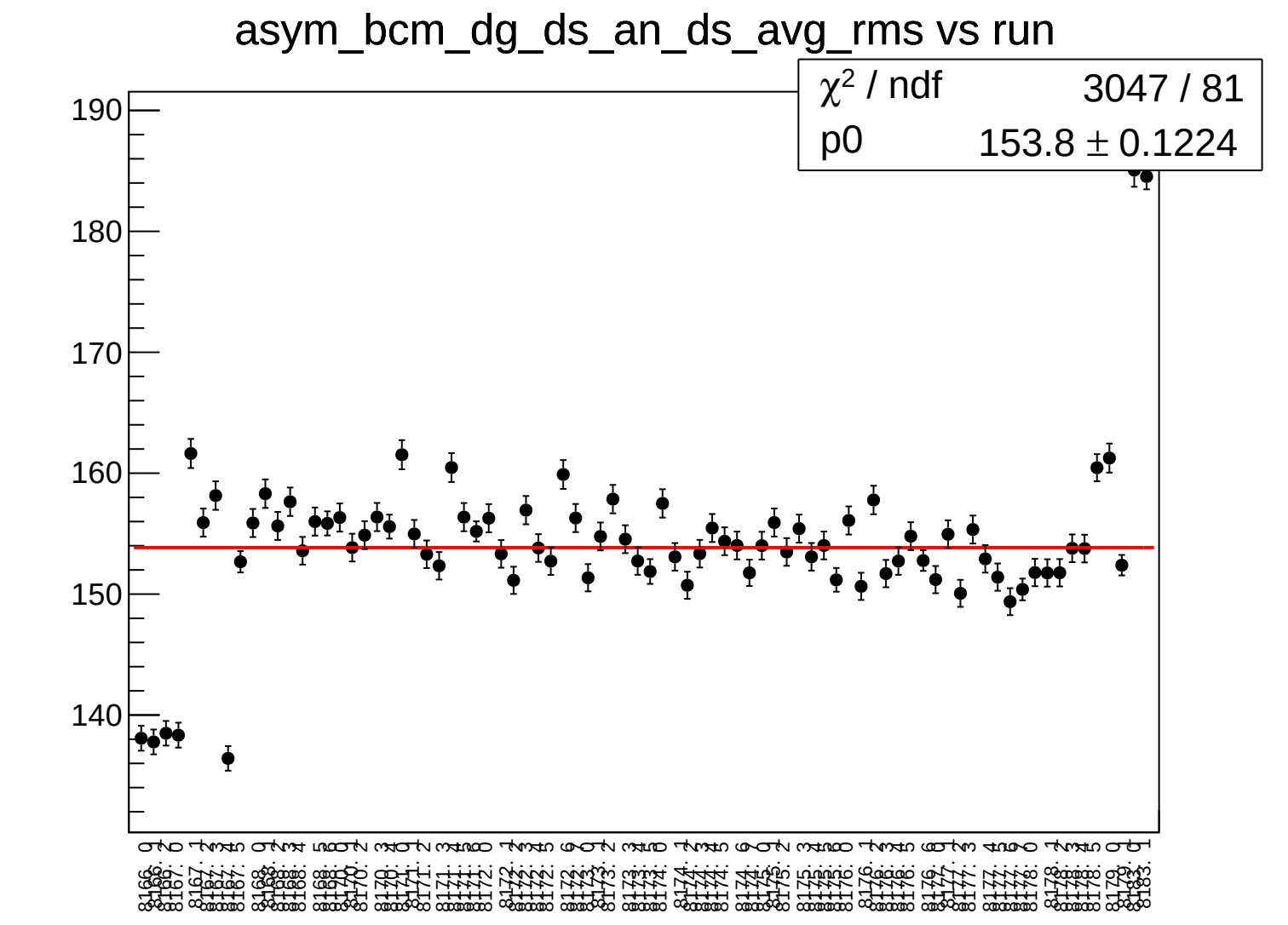

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 79.73 / 81
p0 49.21 ± 24.49
pull
Entries 82
Mean −128.9
Std Dev 0

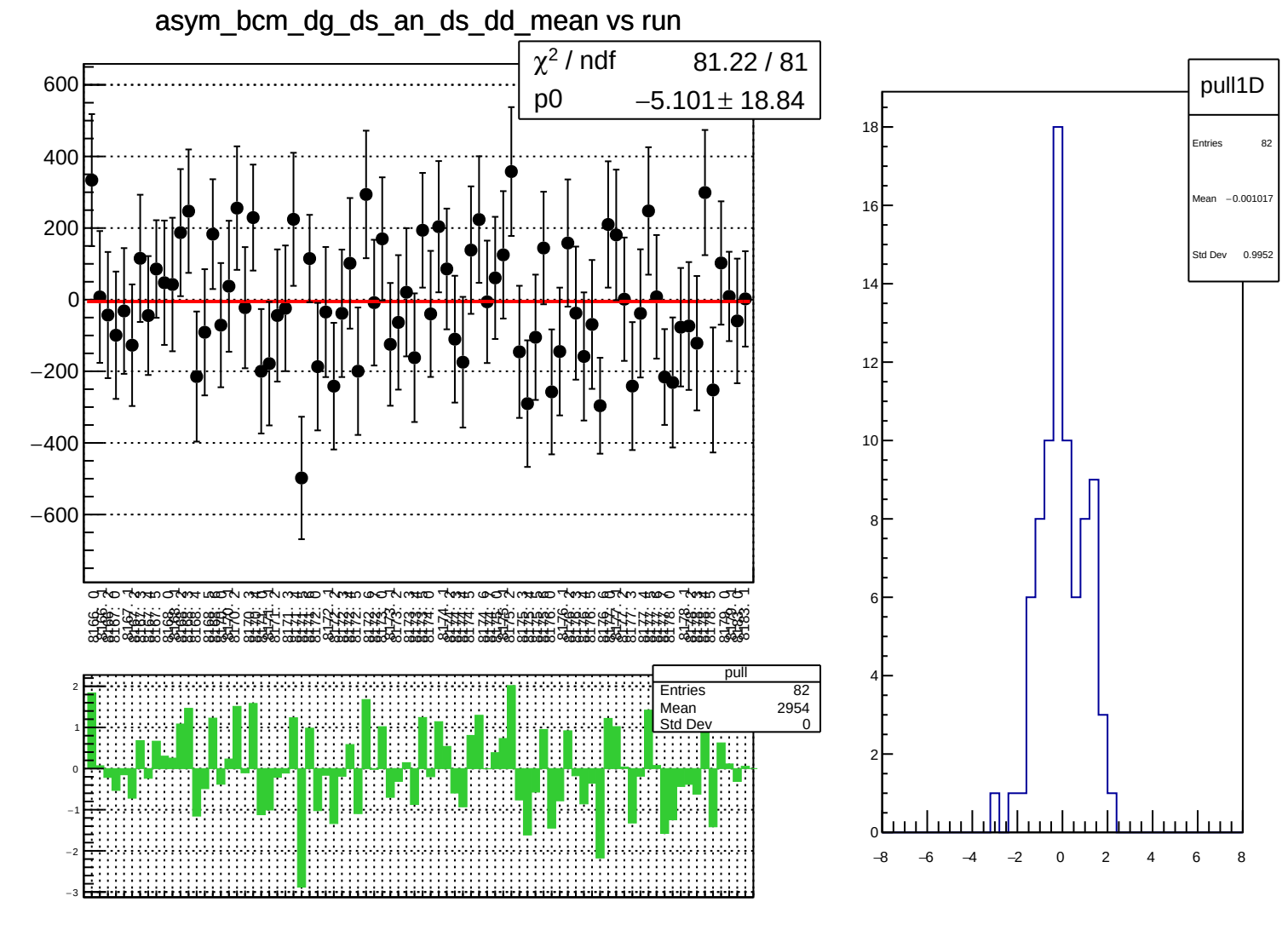

pull1D
Entries 82
Mean 0.009174
Std Dev 0.986

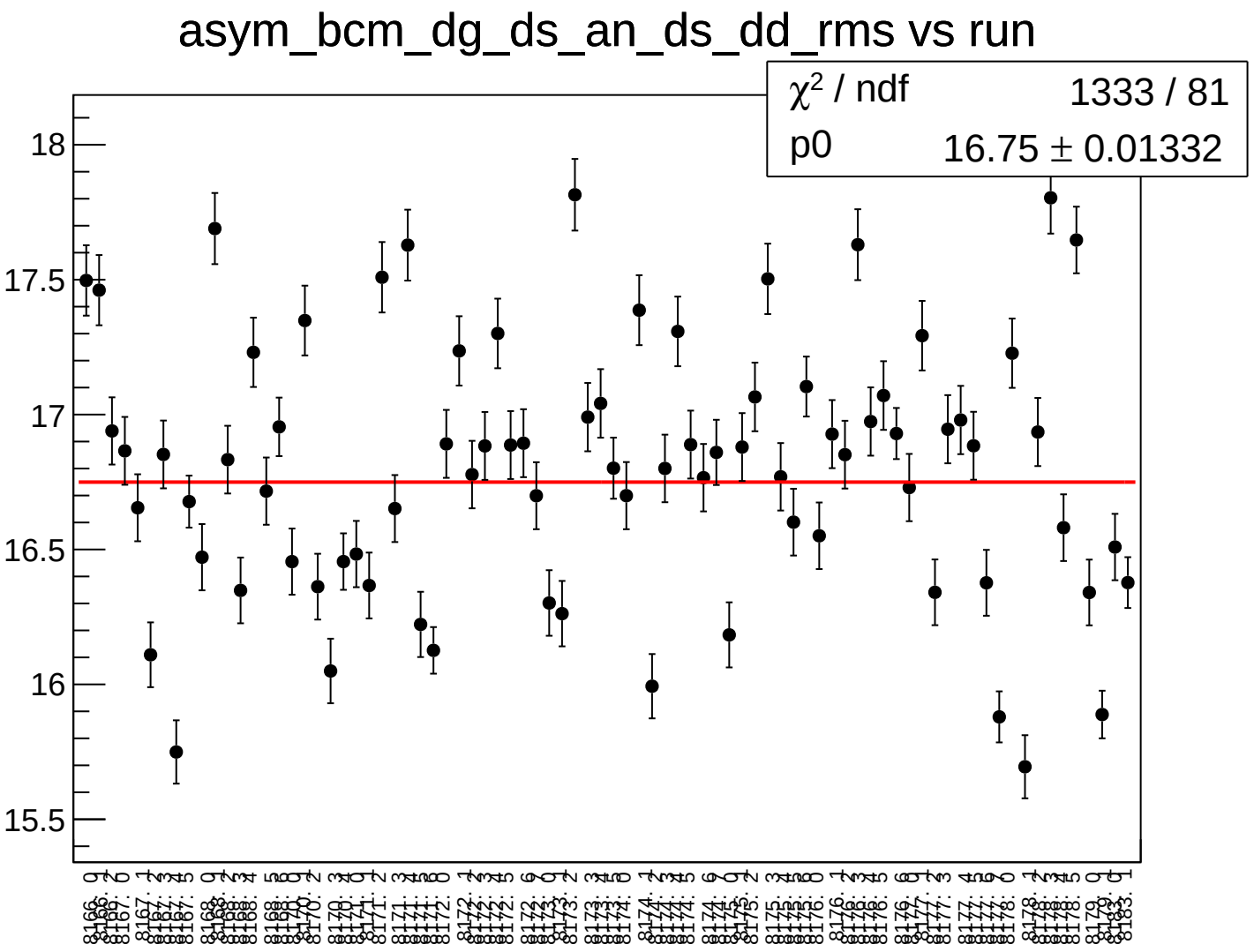

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 447.1 / 81
p0 21.78 ± 0.01732
23
22.5
22
21.5
21

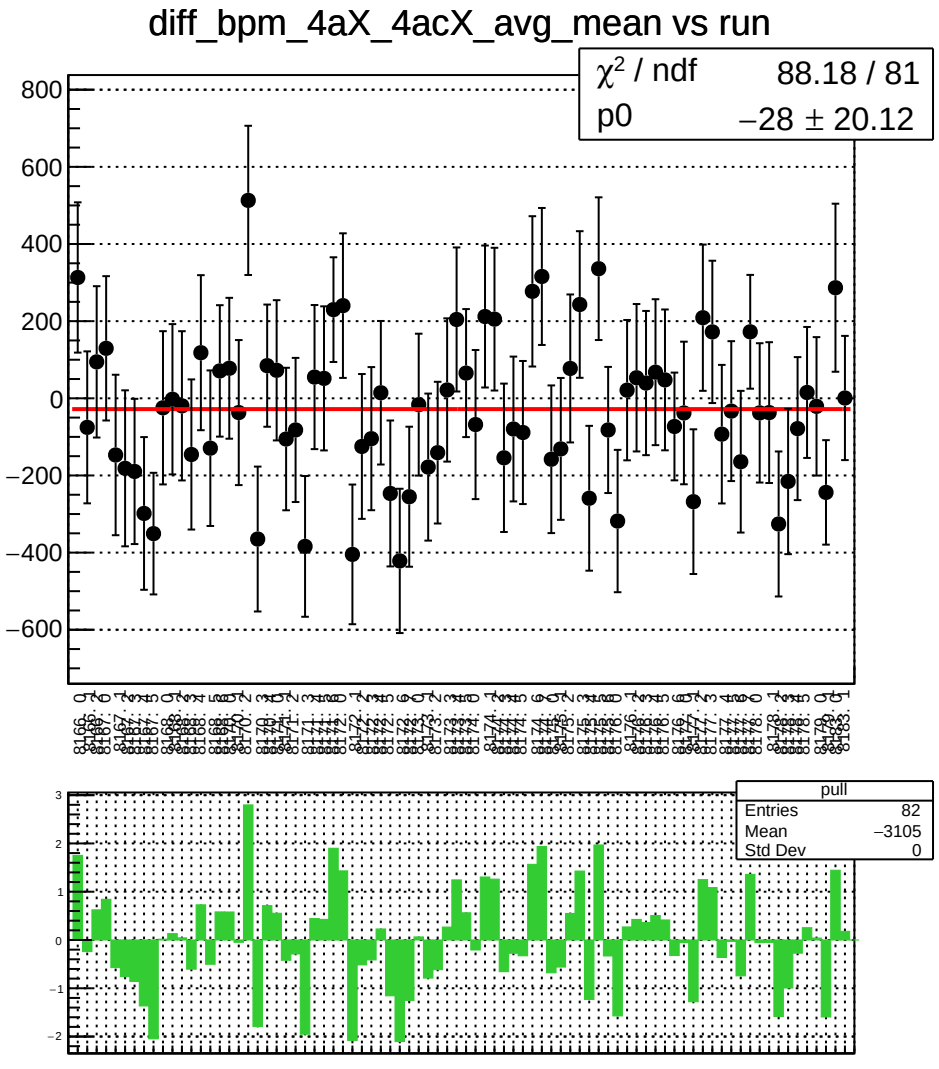

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 15.4 / 81
p0 −166.4 ± 173.1
pull
Entries 82
Mean 1595
Std Dev 0

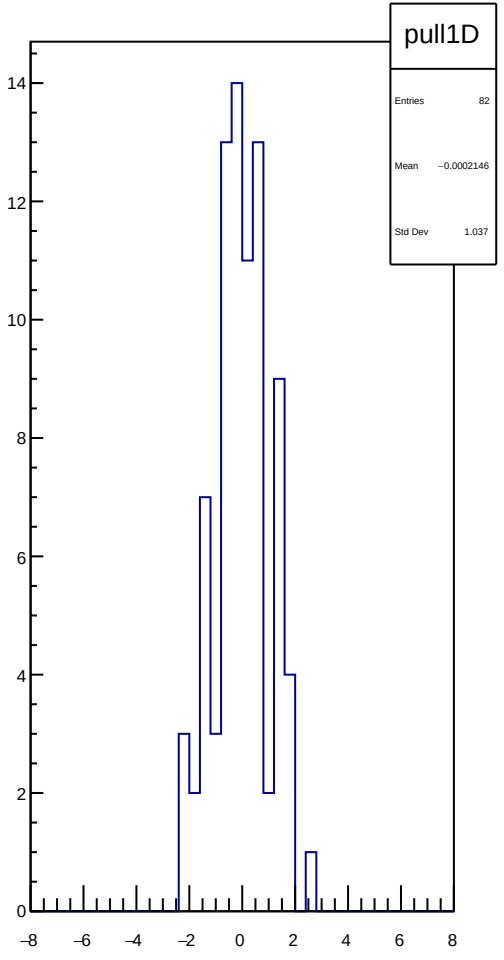

pull1D
Entries 82
Mean 0.000937
Std Dev 0.4333


asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3047 / 81
p0 153.8 ± 0.1224
190
180
170
160
150
140

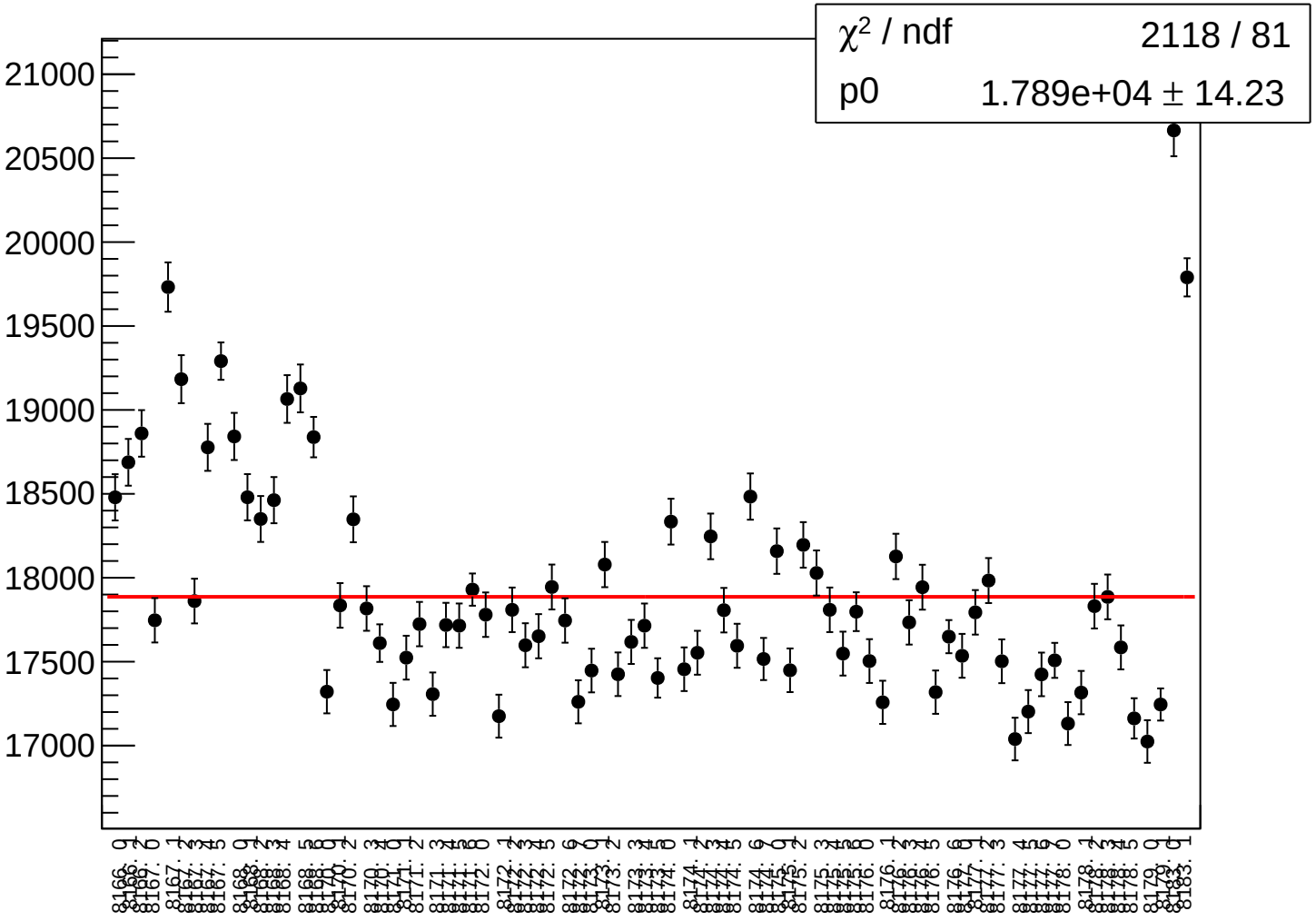

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 81.22 / 81
p0 −5.101 ± 18.84
pull
Entries 82
Mean 2954
Std Dev 0
pull1D
Entries 82
Mean −0.001017
Std Dev 0.9952

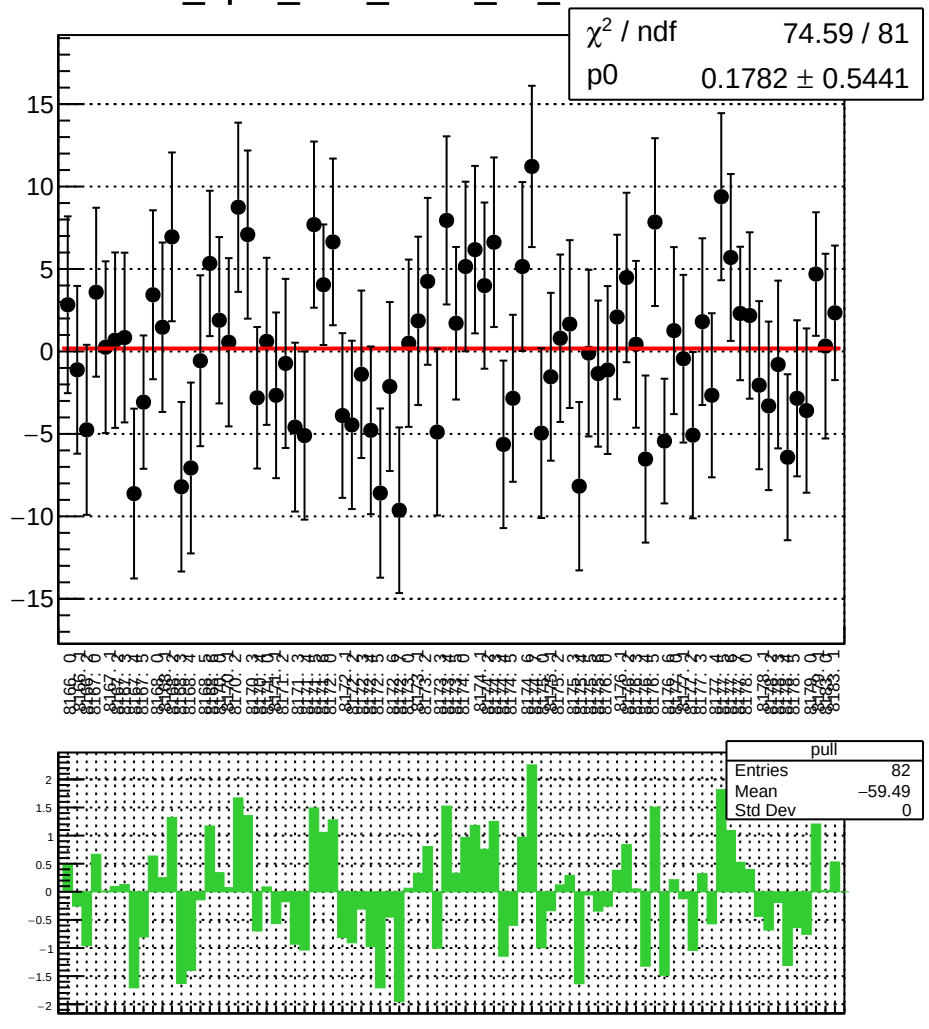

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1333 / 81
p0 16.75 ± 0.01332
18
17.5
17
16.5
16
15.5

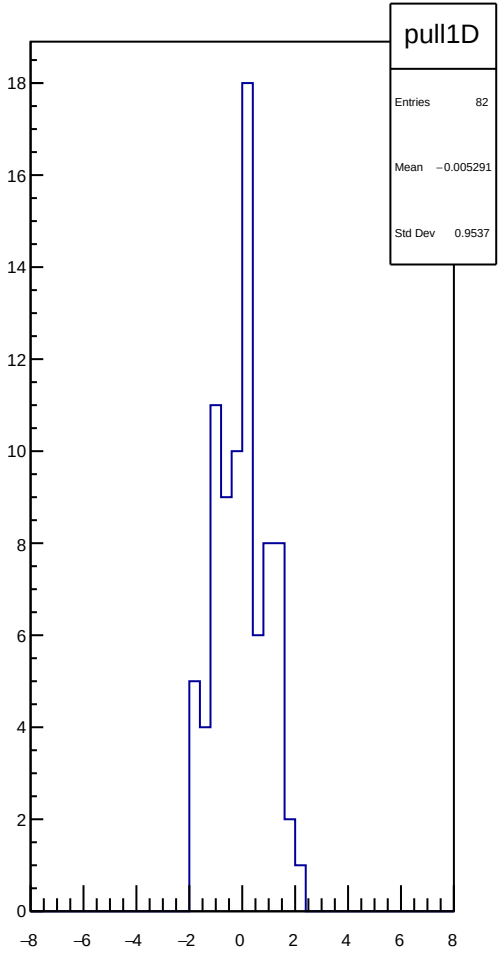

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 88.18 / 81
p0 −28 ± 20.12
pull
Entries 82
Mean −3105
Std Dev 0

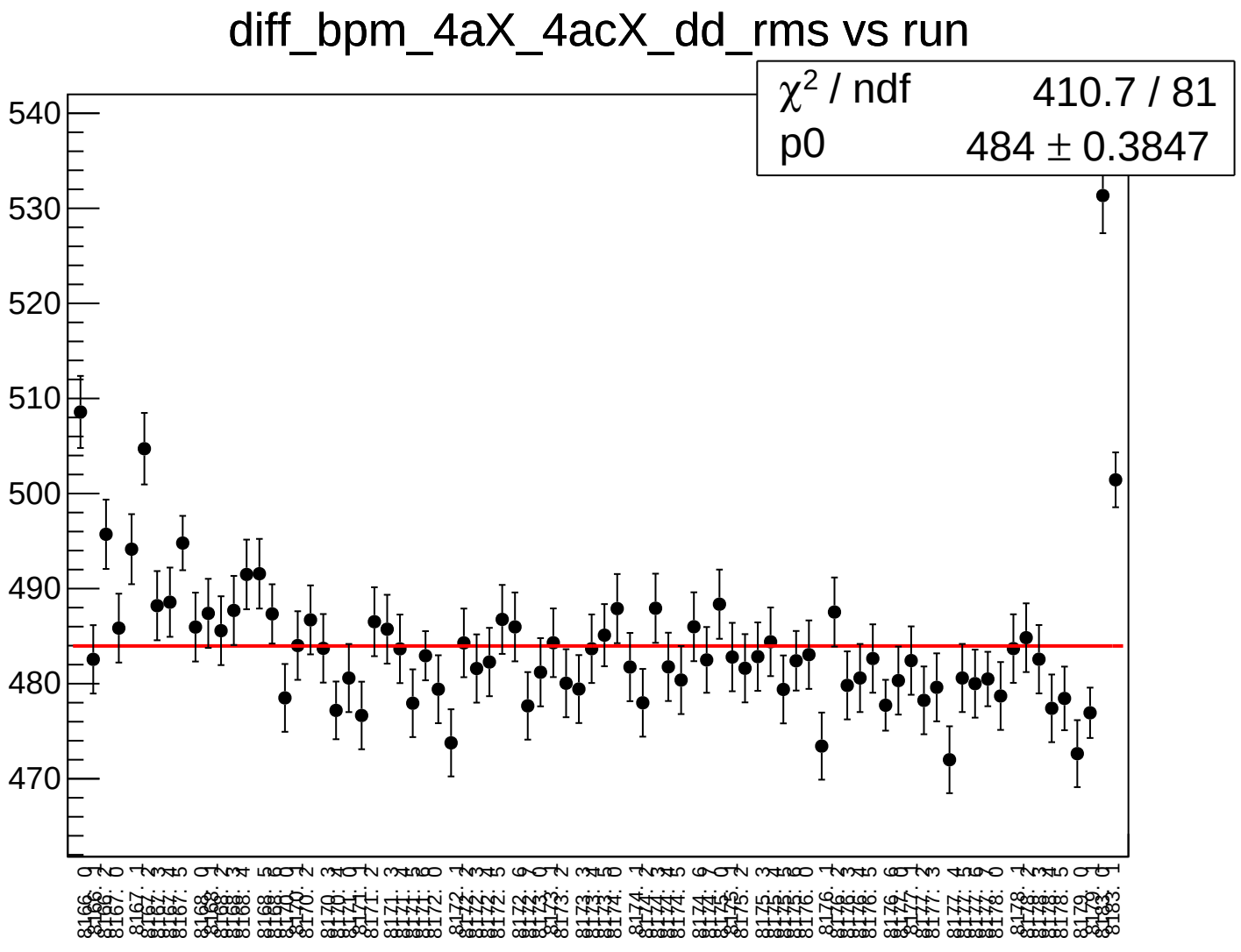

pull1D
Entries 82
Mean −0.0002146
Std Dev 1.037

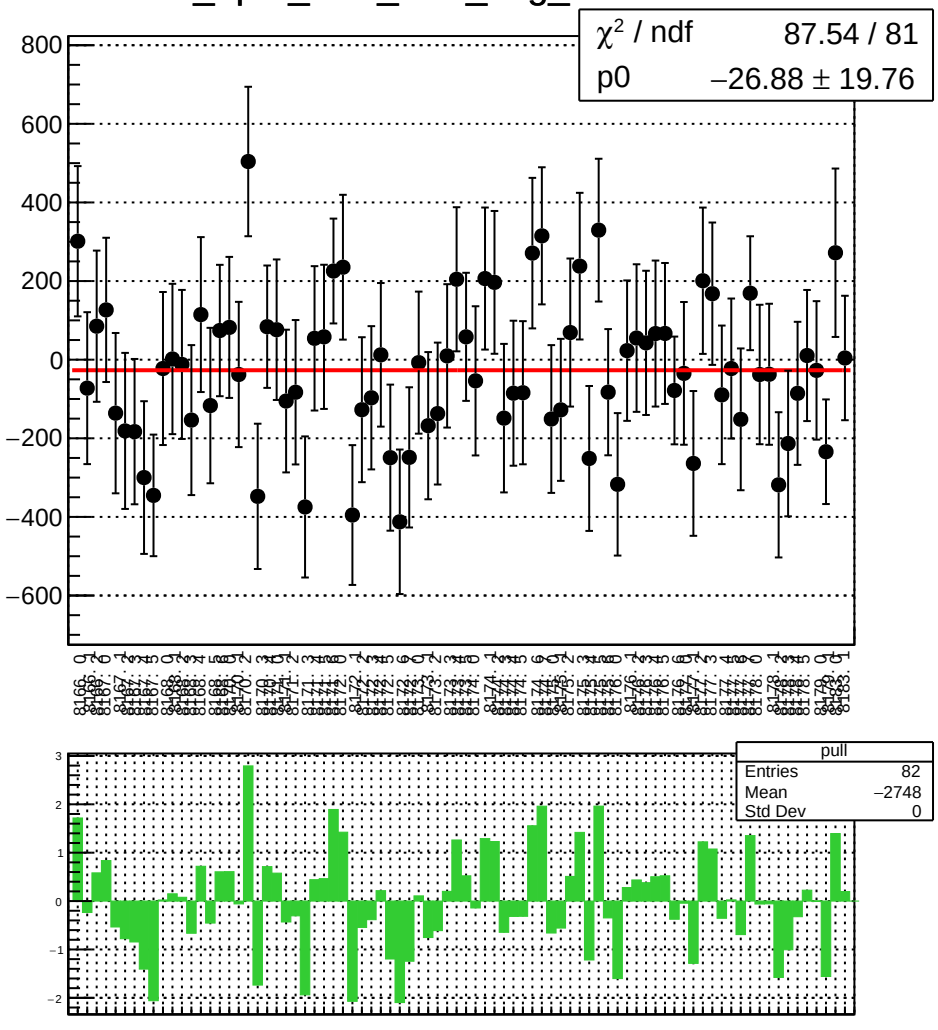
diff_bpm_4aX_4acX_avg_rms vs run

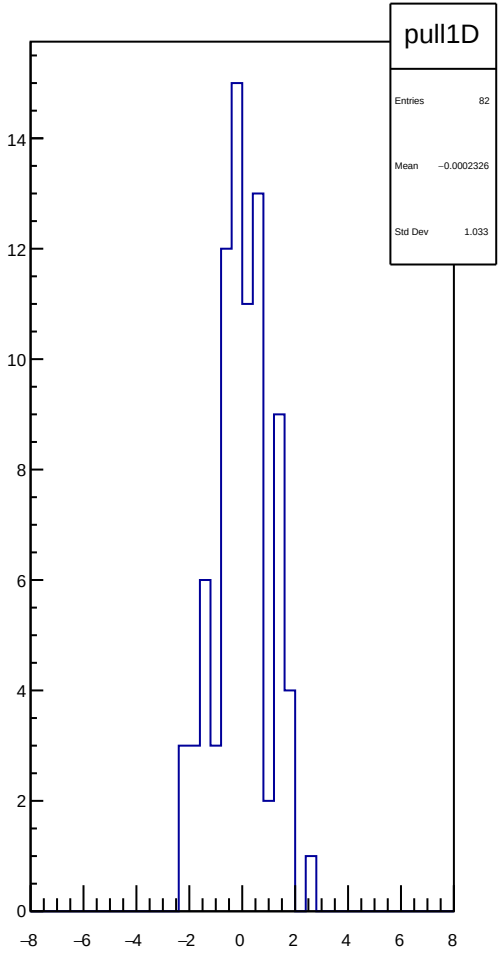


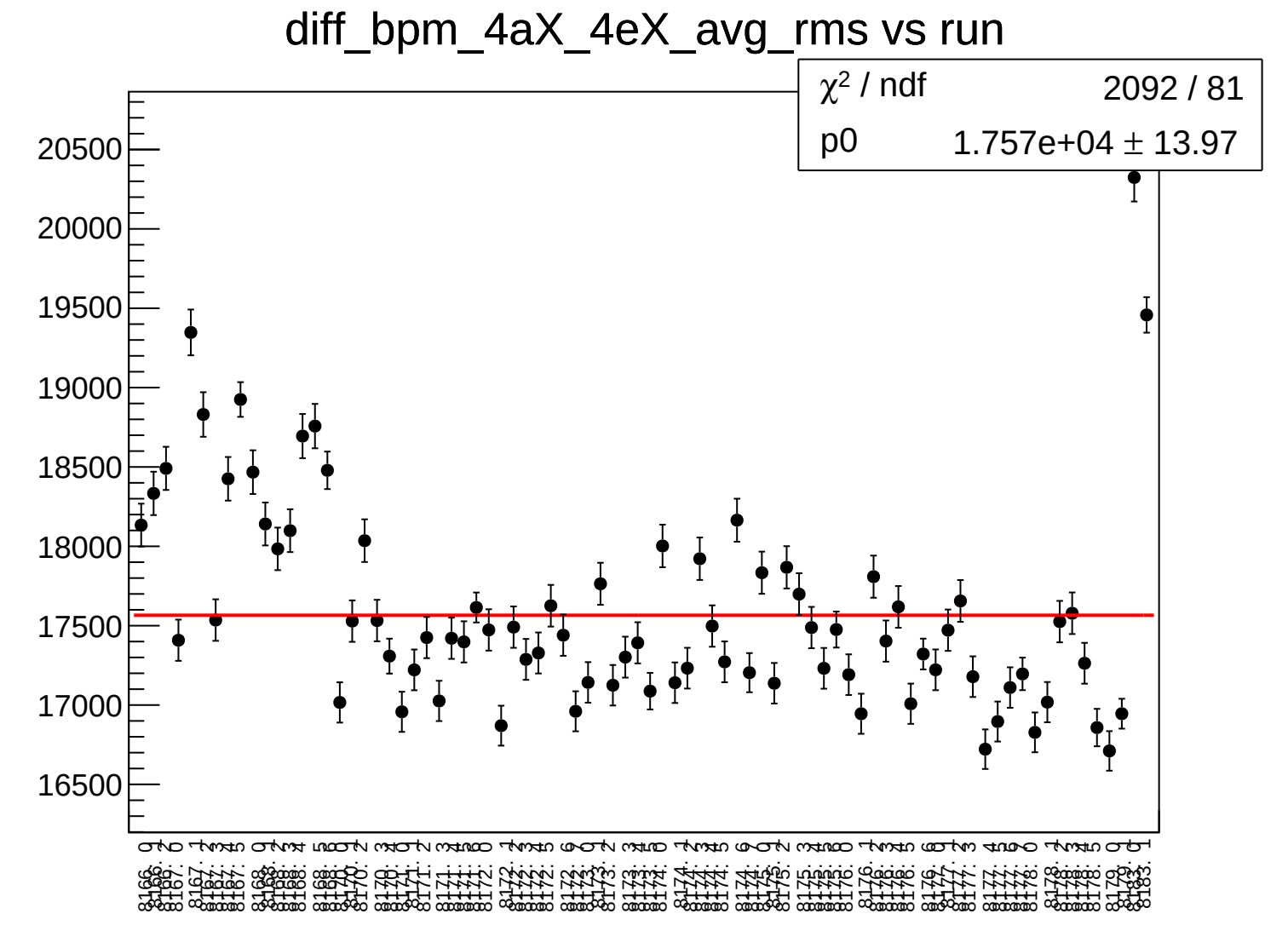

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 74.59 / 81
p0 0.1782 ± 0.5441
pull
Entries 82
Mean −59.49
Std Dev 0

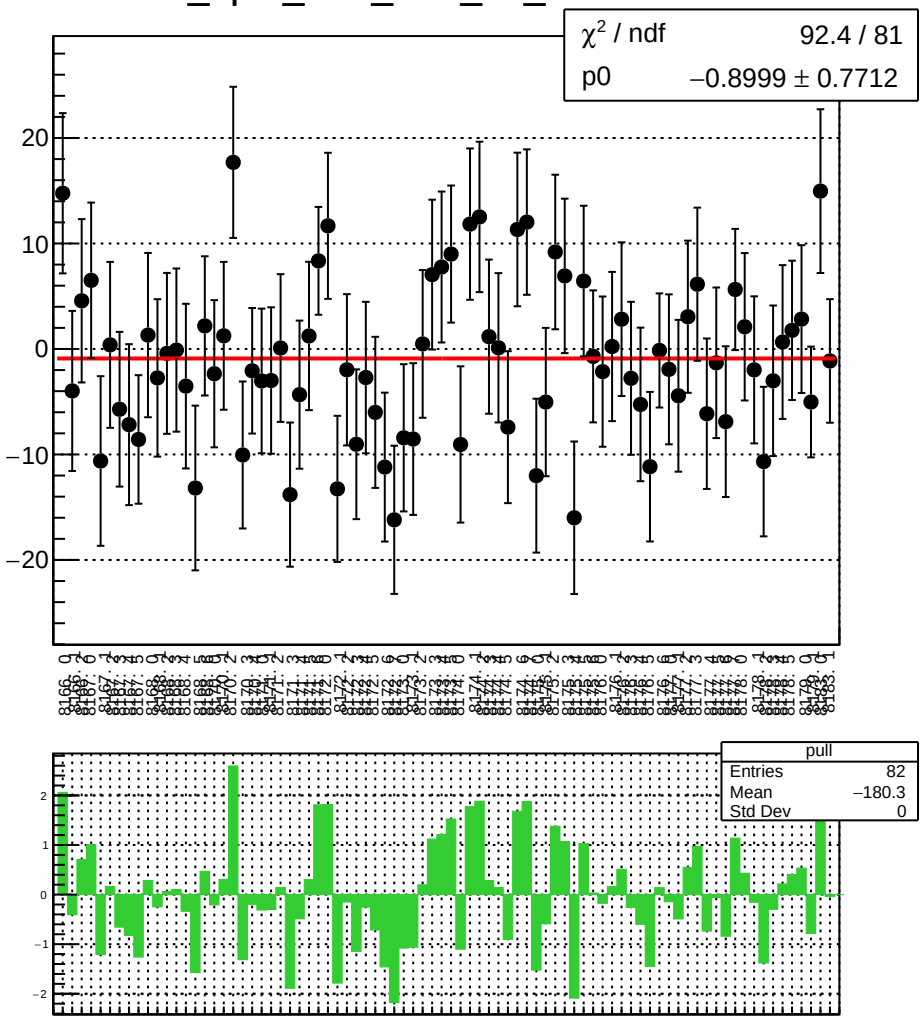

pull1D
Entries 82
Mean −0.005291
Std Dev 0.9537

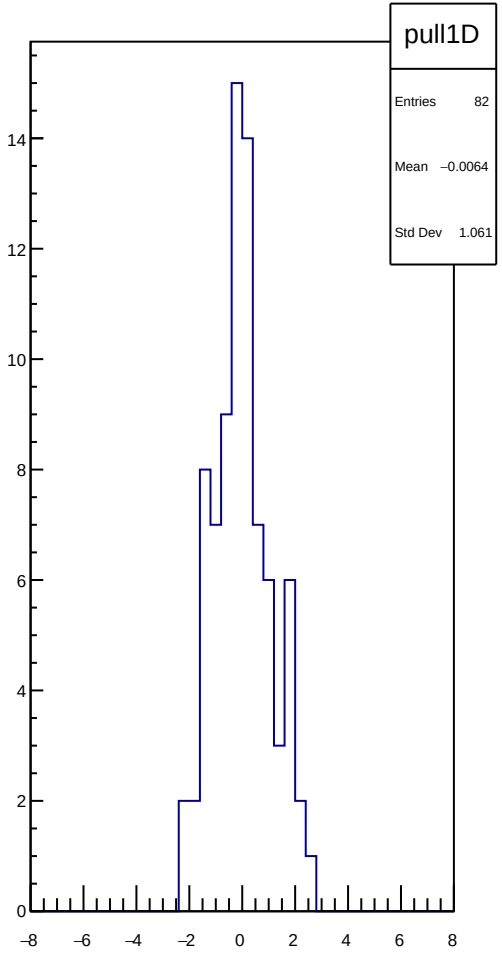

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 410.7 / 81
p0 484 ± 0.3847
540
530
520
510
500
490
480
470

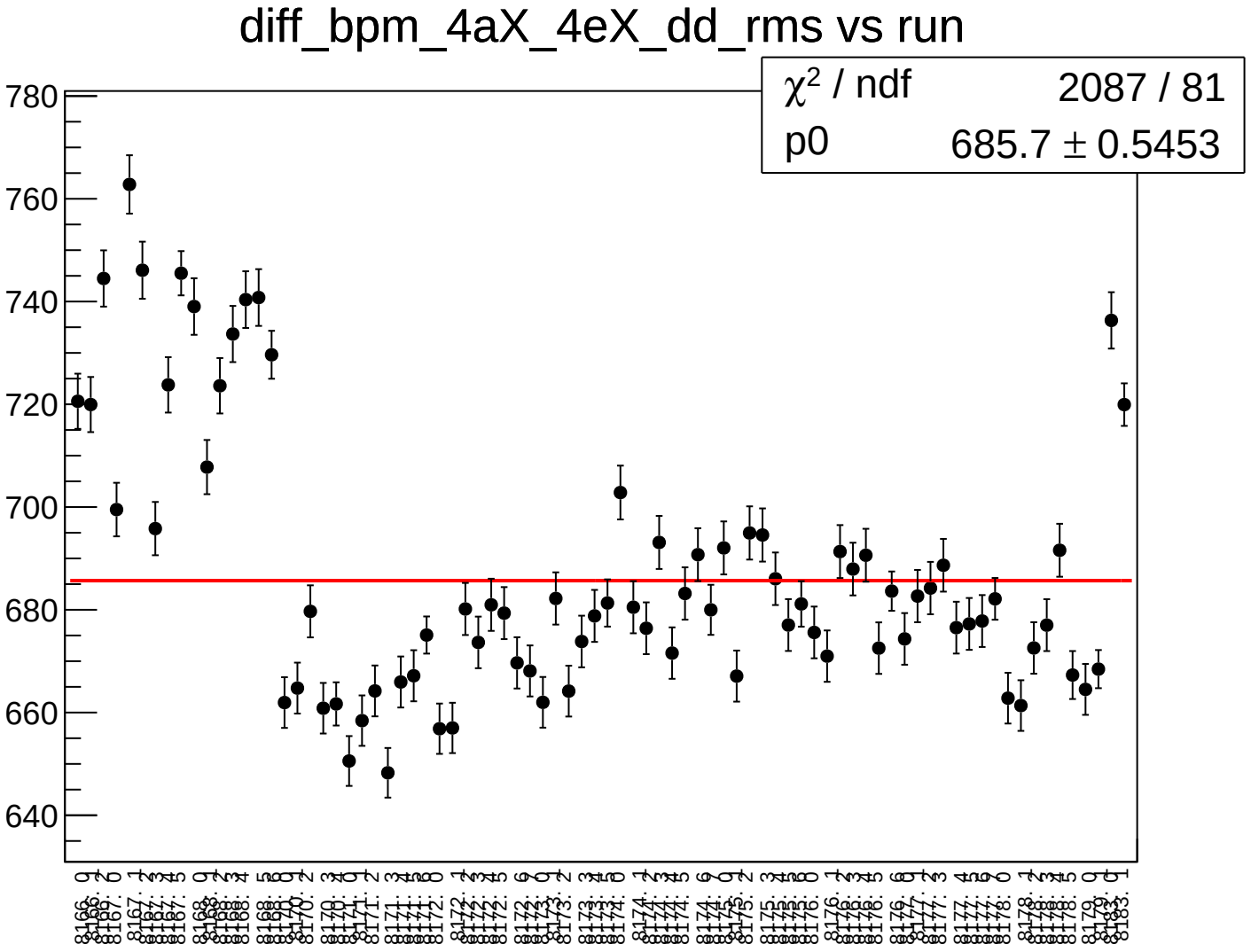

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 87.54 / 81
p0 −26.88 ± 19.76
pull
Entries 82
Mean −2748
Std Dev 0

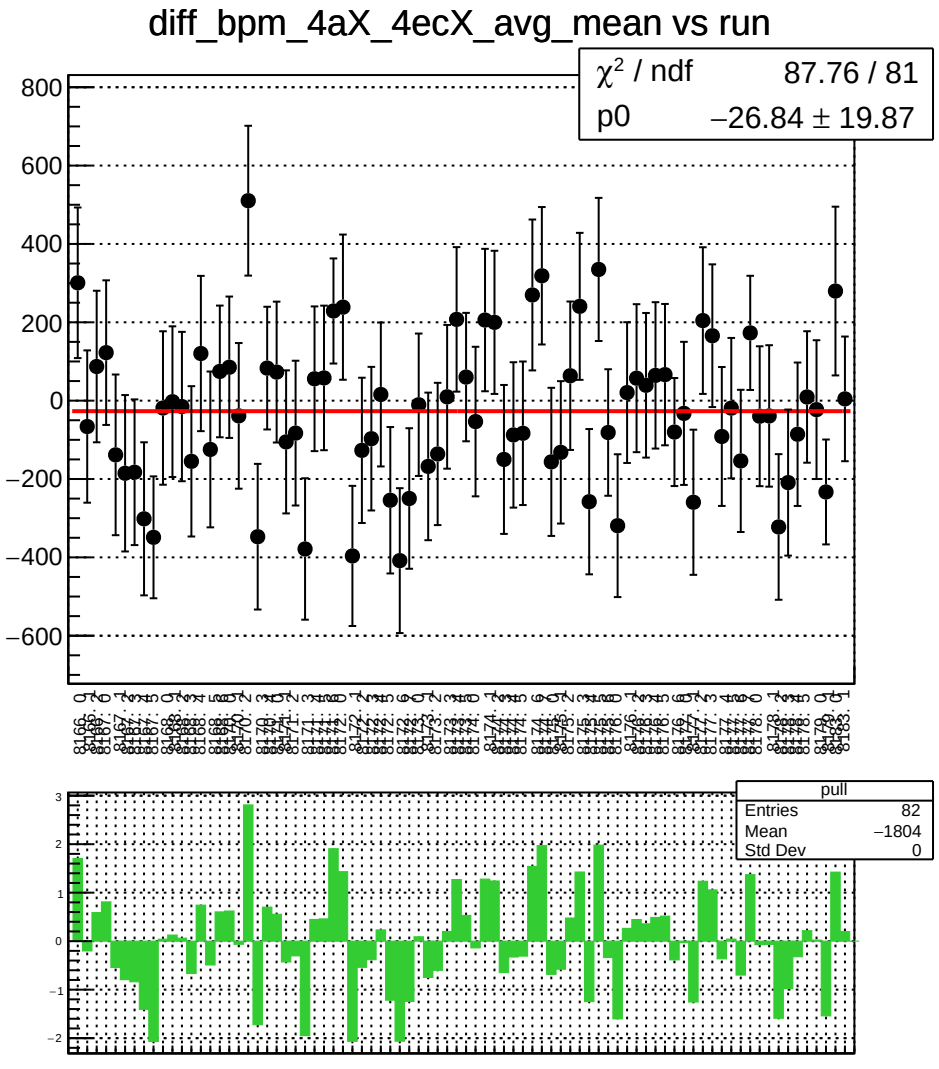

pull1D
Entries 82
Mean −0.0002326
Std Dev 1.033

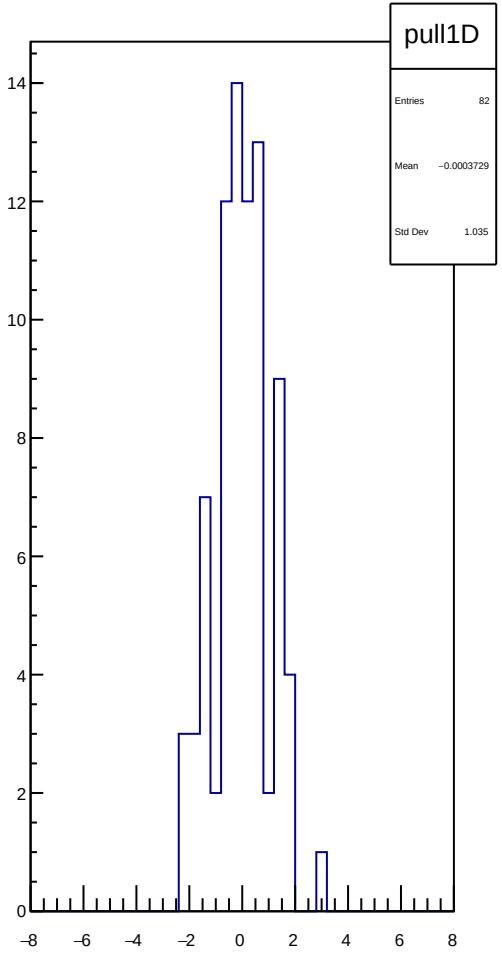

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 2092 / 81
p0 1.757e+04 ± 13.97
20500
20000
19500
19000
18500
18000
17500
17000
16500

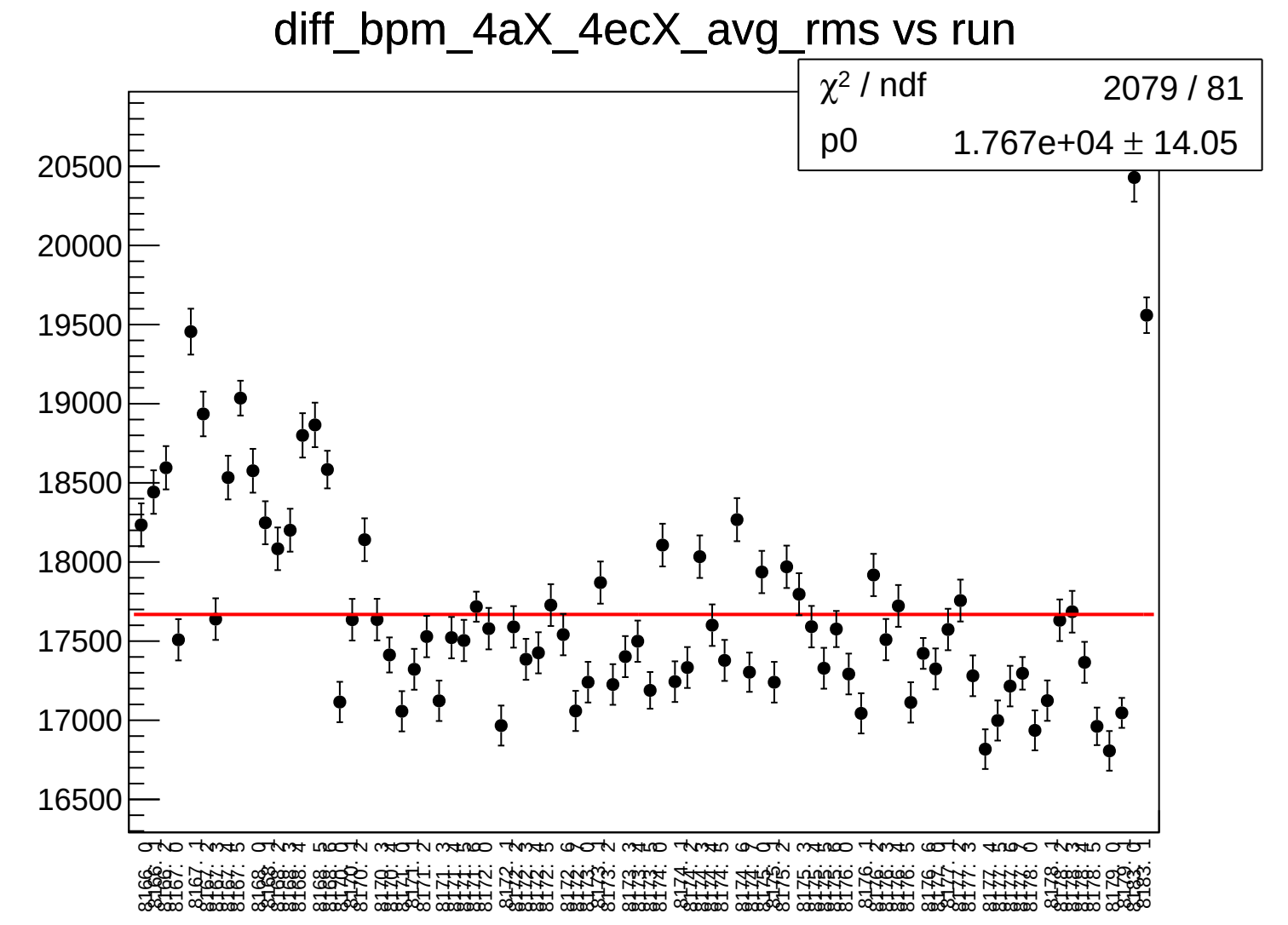

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 92.4 / 81
p0 −0.8999 ± 0.7712
pull
Entries 82
Mean −180.3
Std Dev 0

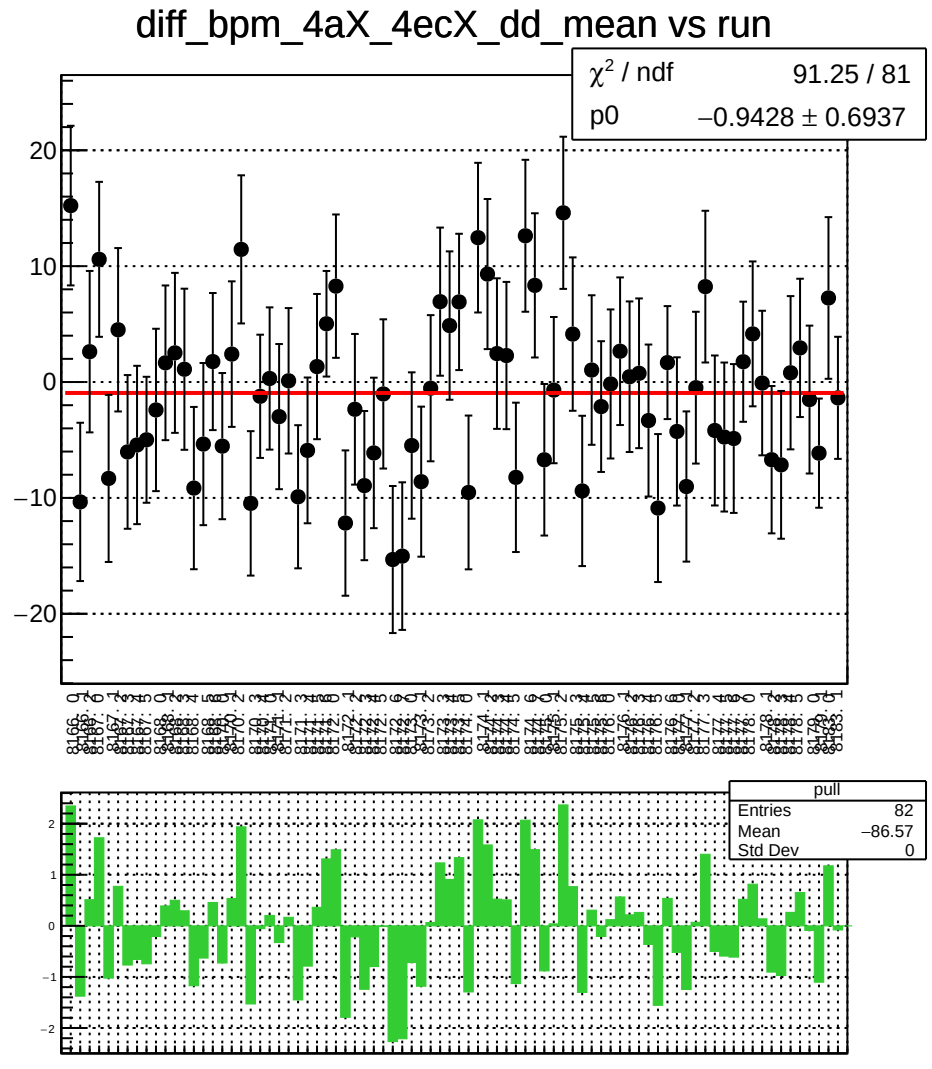

pull1D
Entries 82
Mean −0.0064
Std Dev 1.061

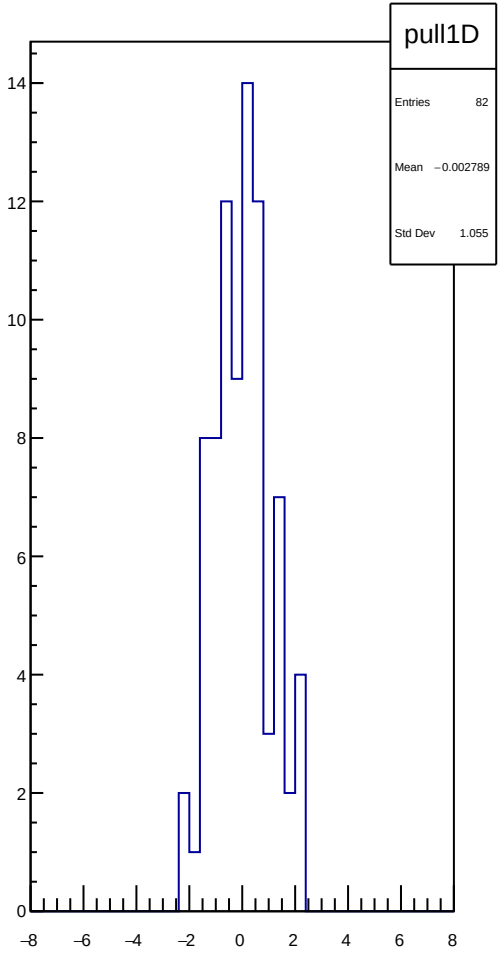

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 2087 / 81
p0 685.7 ± 0.5453
780
760
740
720
700
680
660
640

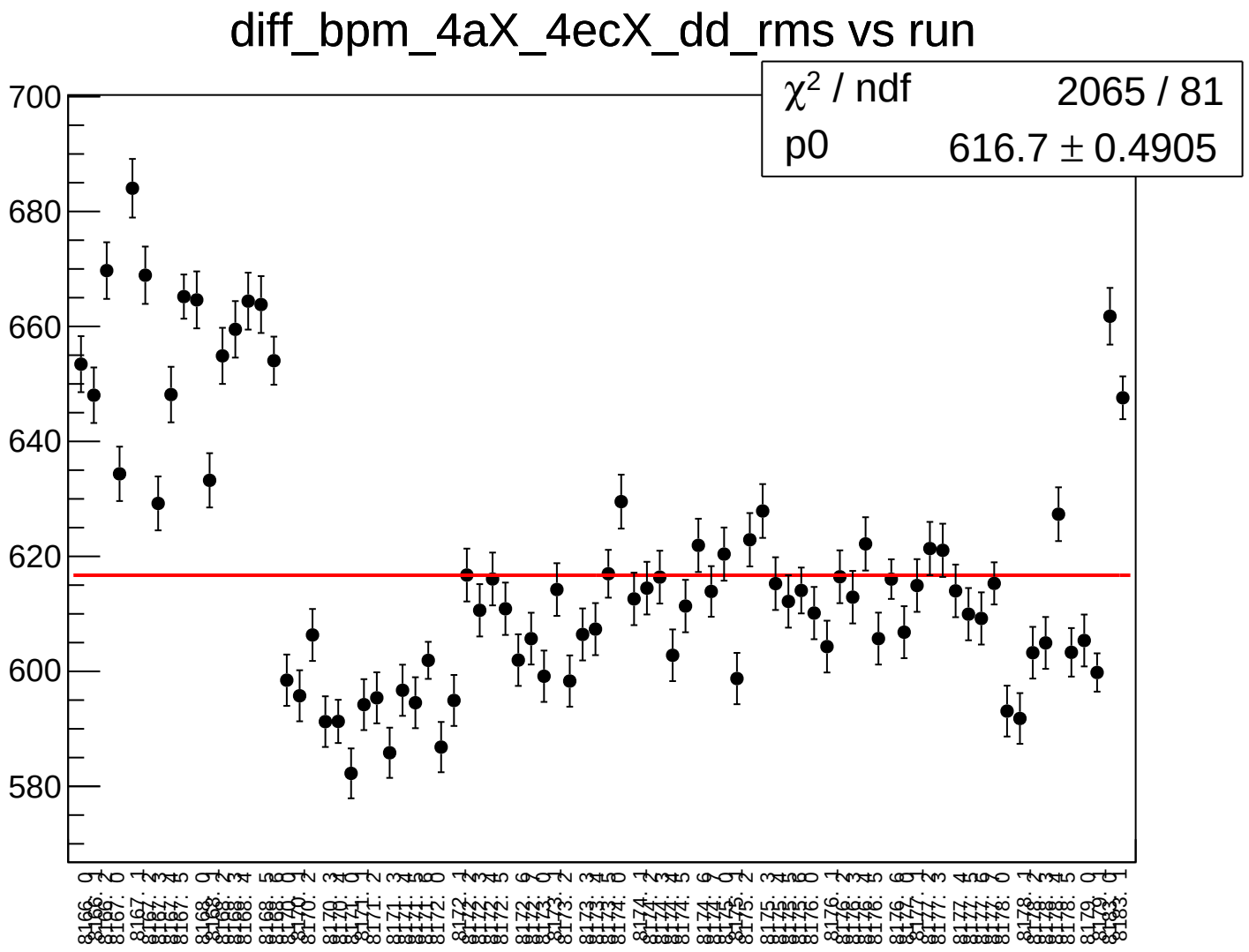

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 87.76 / 81
p0 −26.84 ± 19.87
pull
Entries 82
Mean −1804
Std Dev 0

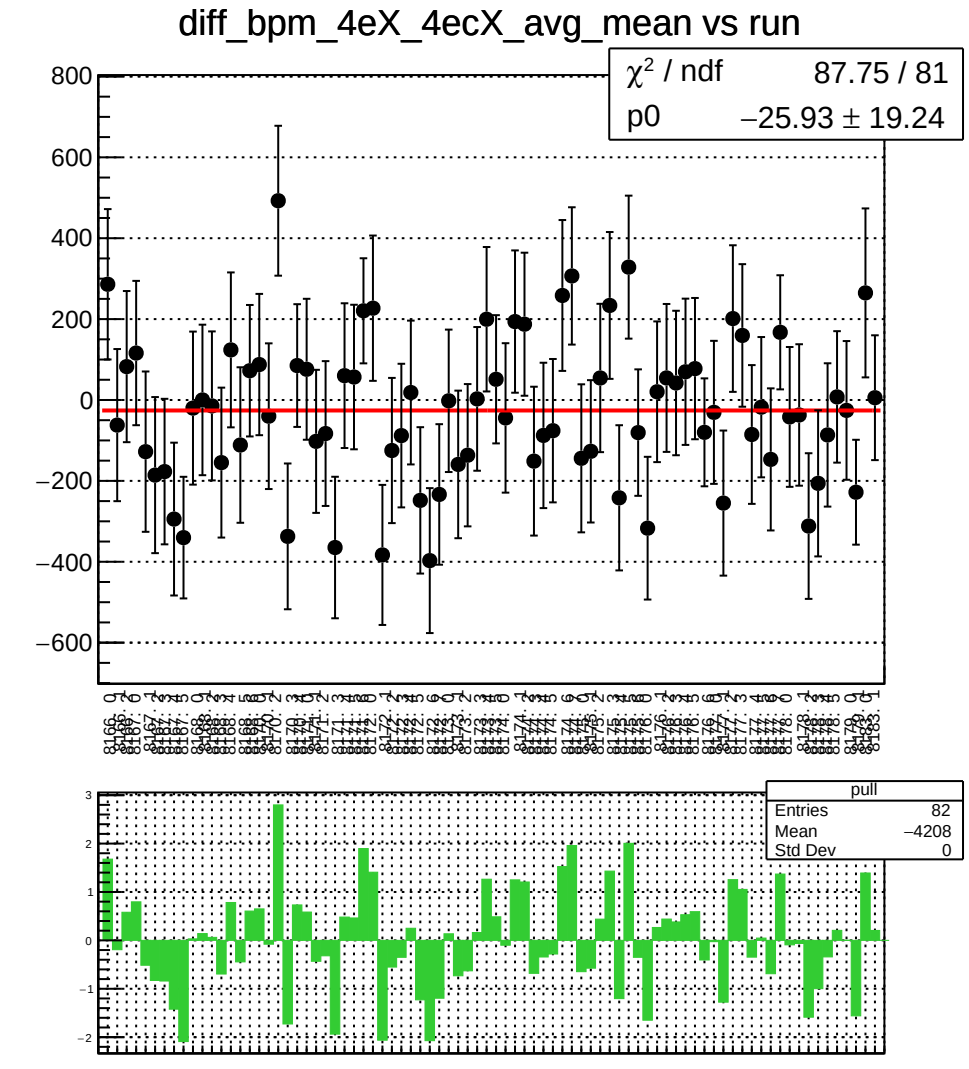

pull1D
Entries 82
Mean −0.0003729
Std Dev 1.035

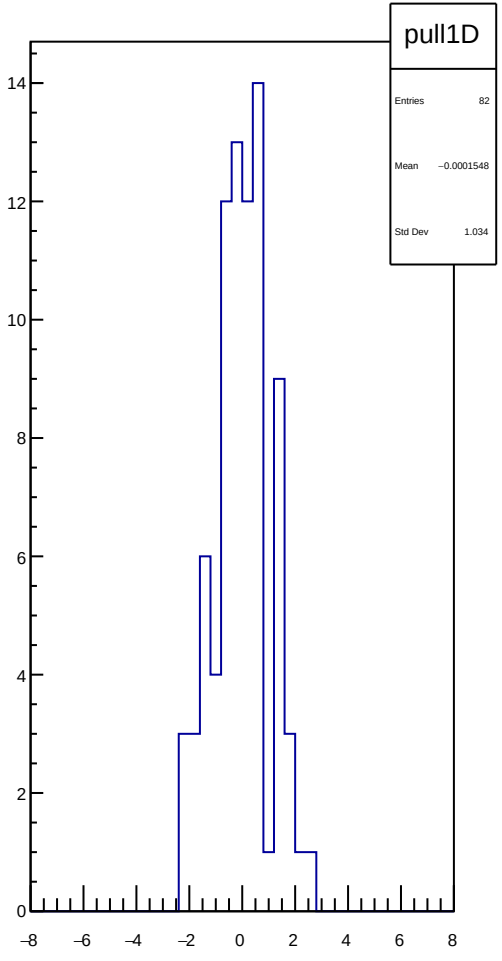

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 2079 / 81
p0 1.767e+04 ± 14.05
20500
20000
19500
19000
18500
18000
17500
17000
16500

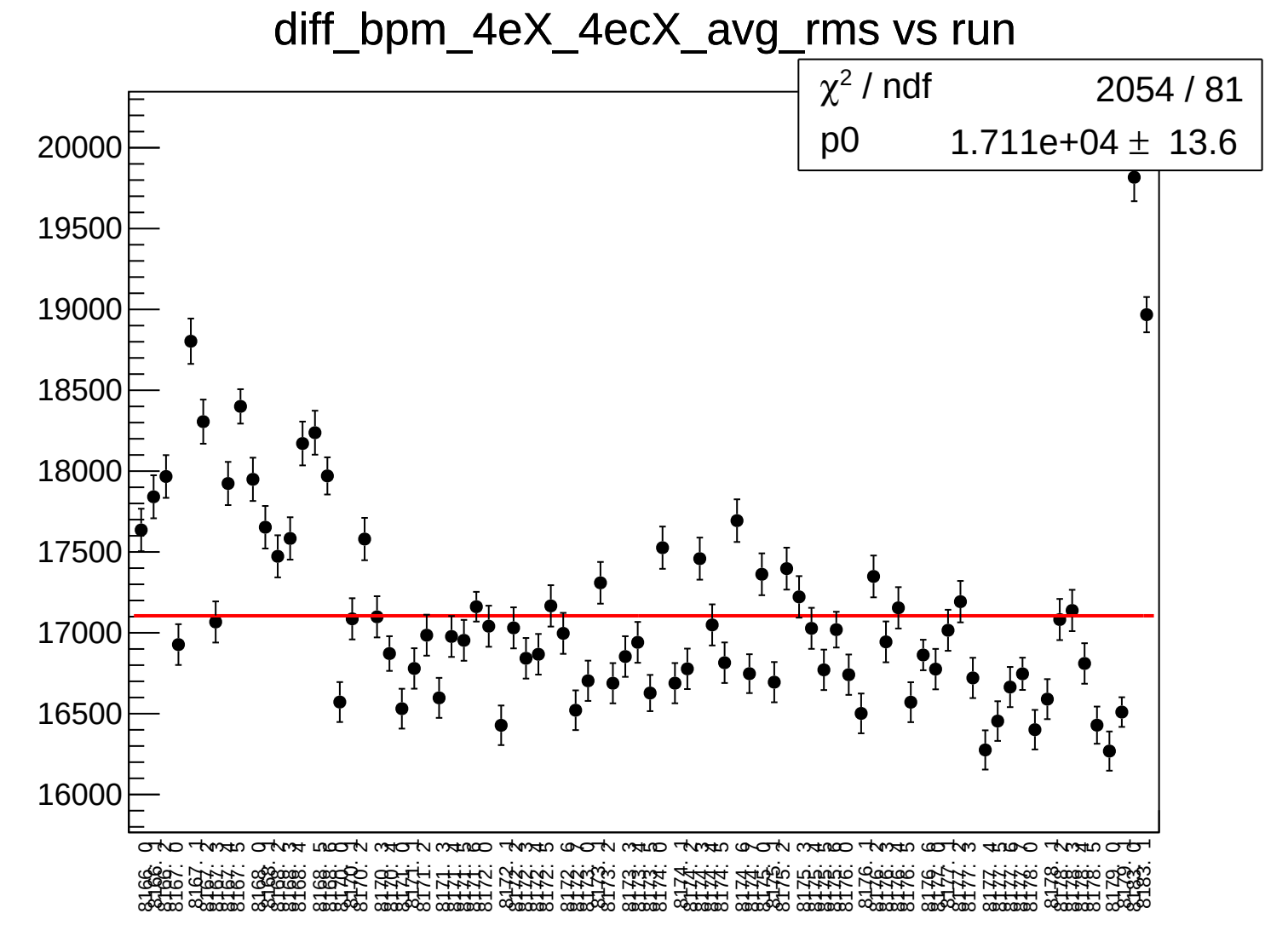

diff_bpm_4aX_4ecX_dd_mean vs run
χ^2 / ndf 91.25 / 81
p0 −0.9428 ± 0.6937
pull
Entries 82
Mean −86.57
Std Dev 0

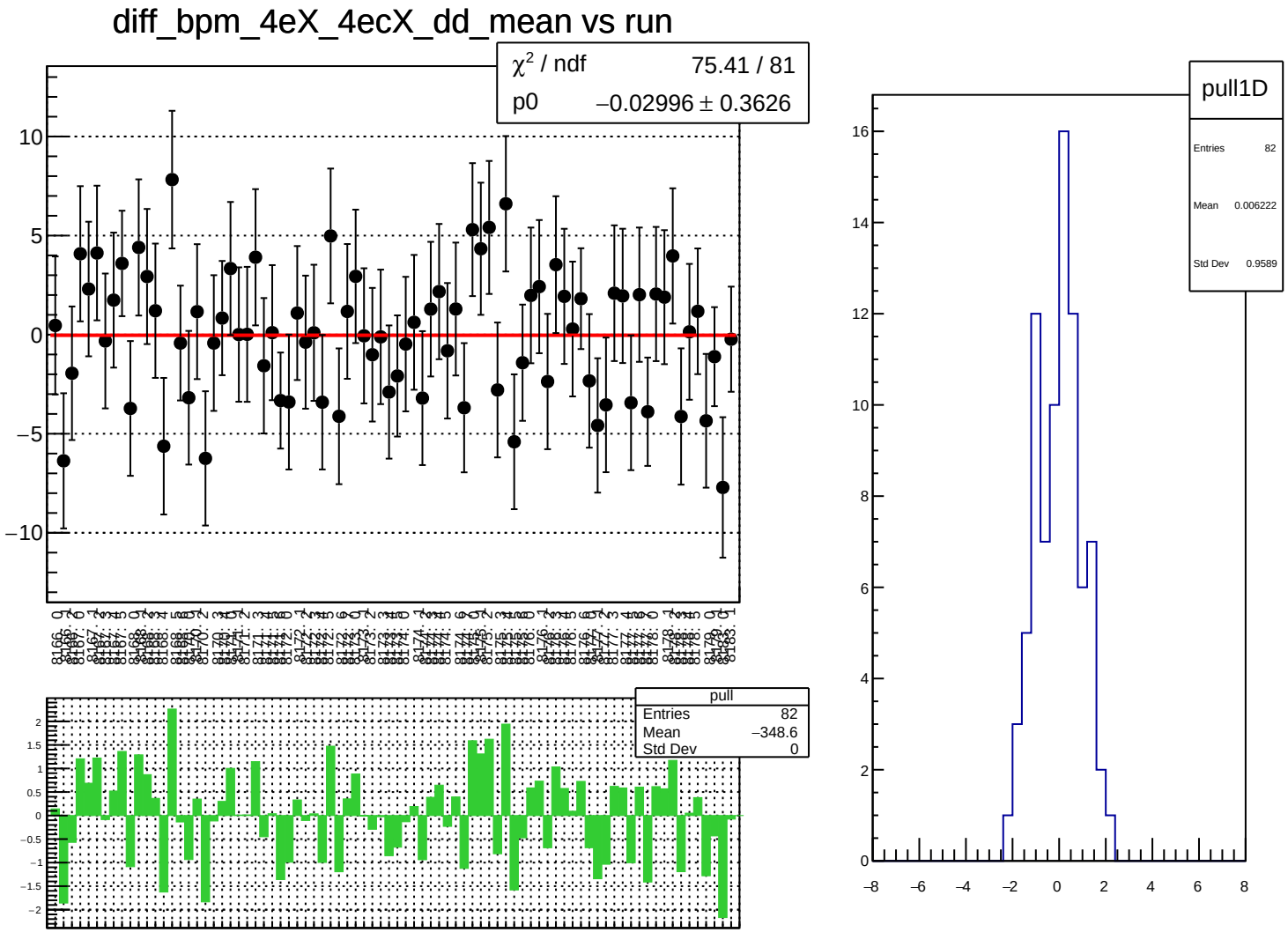

pull1D
Entries 82
Mean −0.002789
Std Dev 1.055

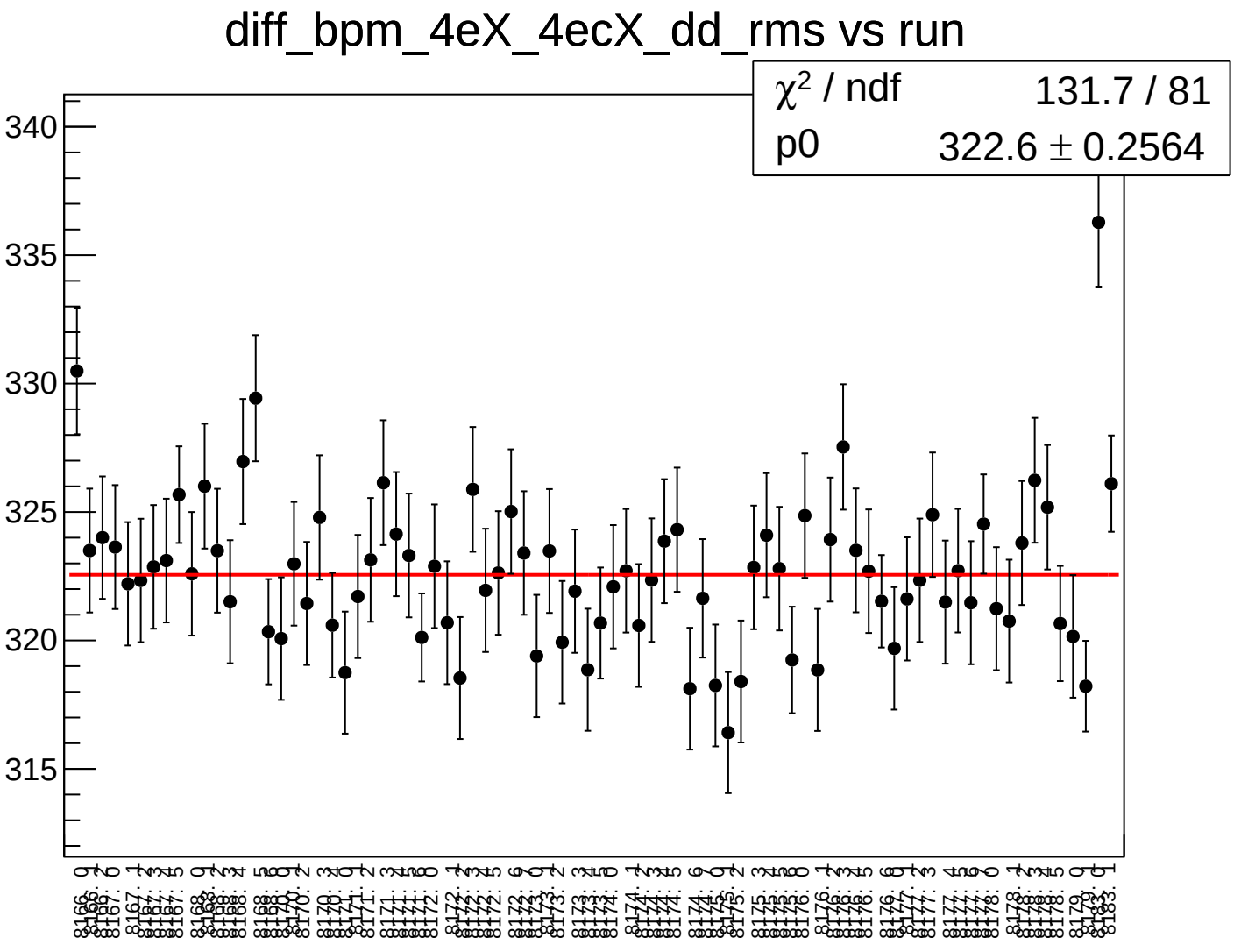

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2065 / 81
p0 616.7 ± 0.4905
700
680
660
640
620
600
580

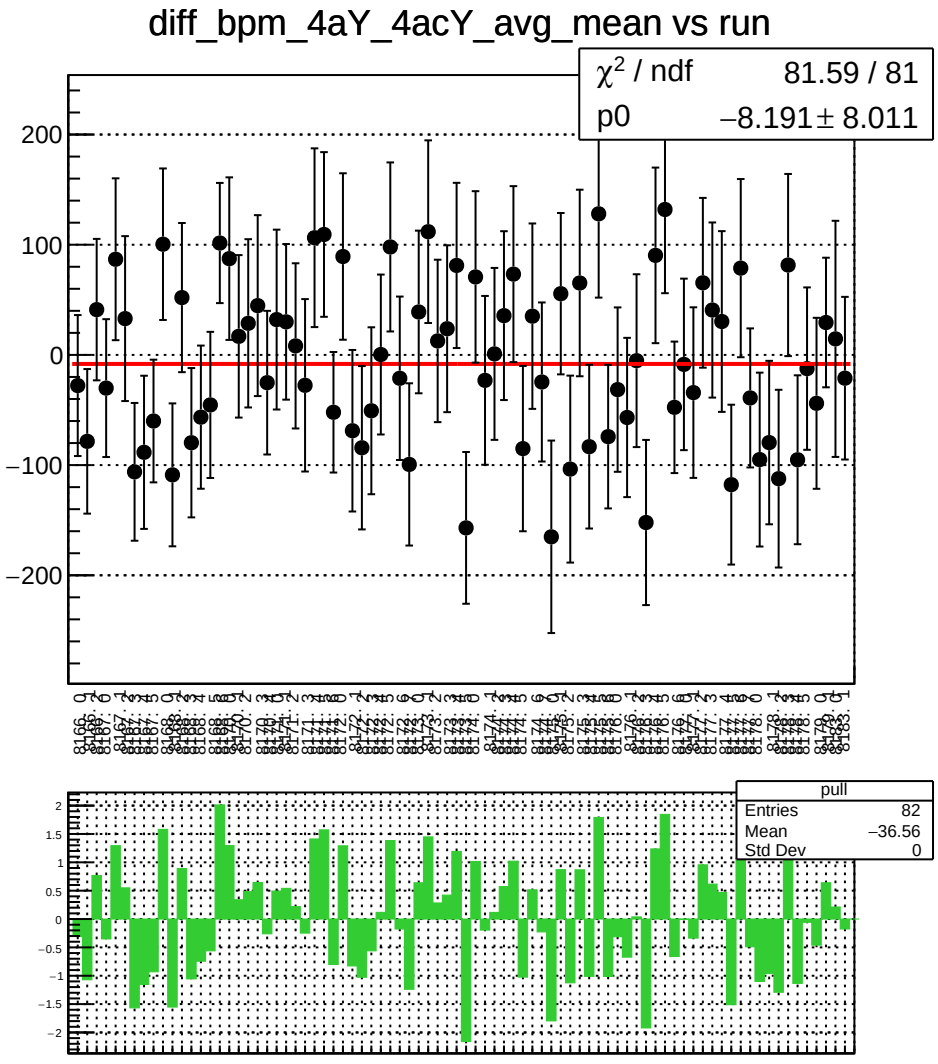

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 87.75 / 81
p0 −25.93 ± 19.24
pull
Entries 82
Mean −4208
Std Dev 0

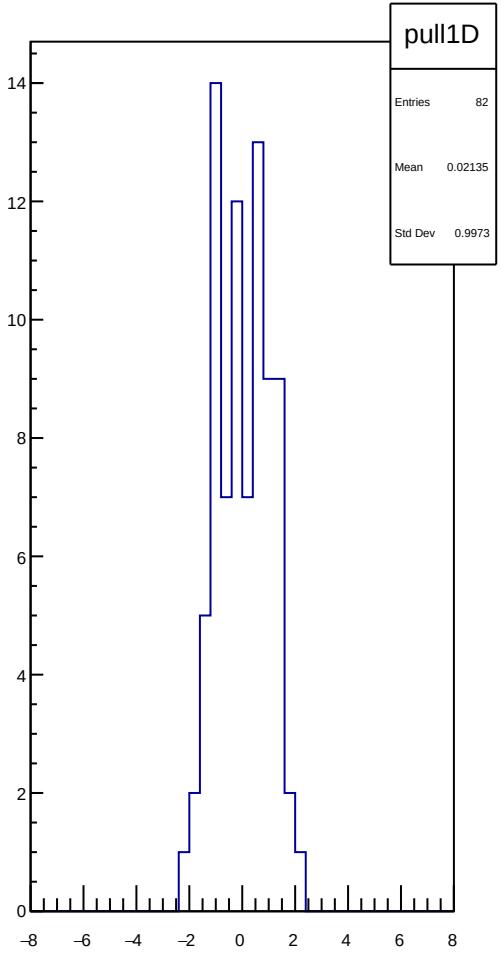

pull1D
Entries 82
Mean −0.0001548
Std Dev 1.034

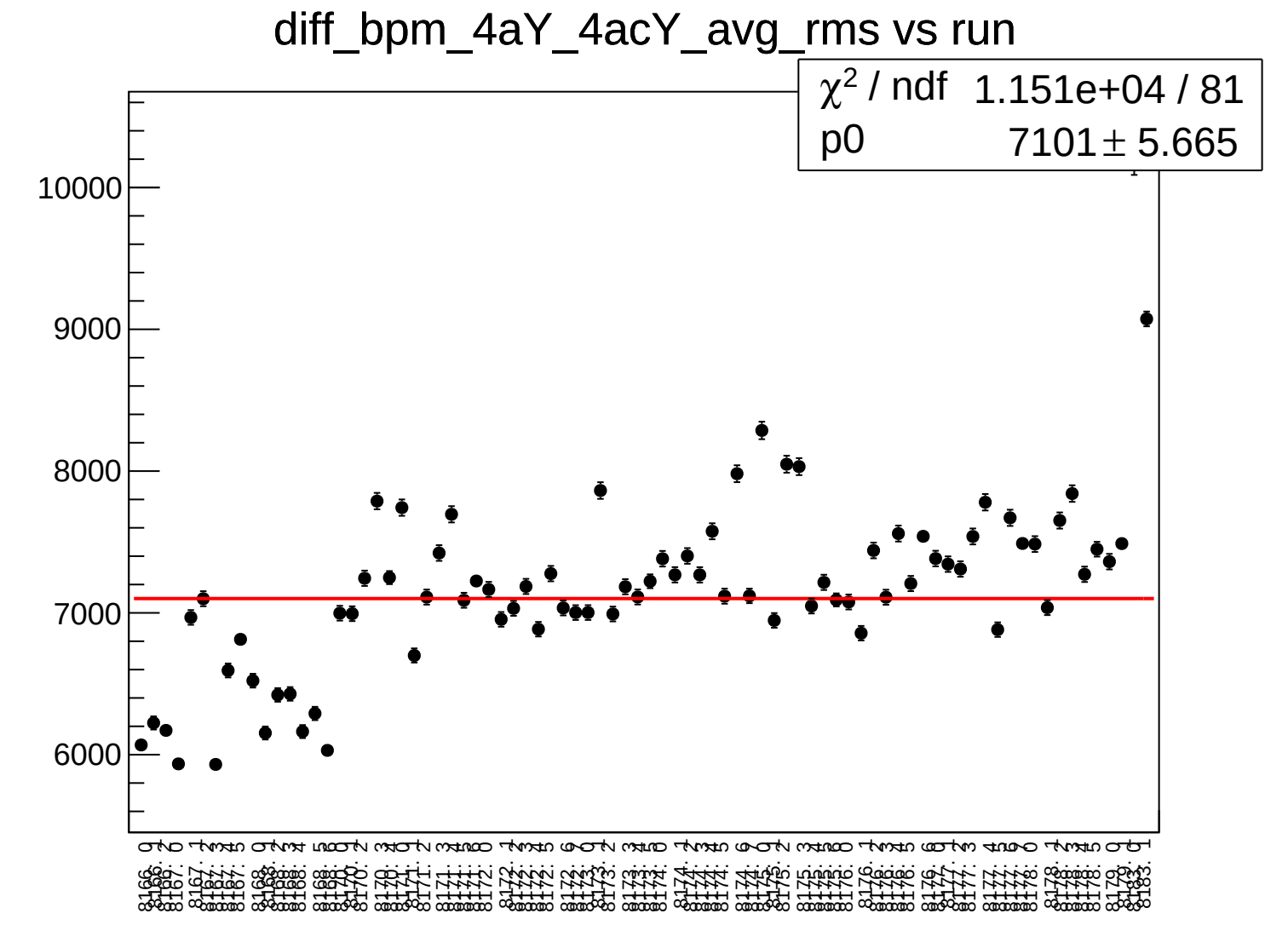

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 2054 / 81
p0 1.711e+04 ± 13.6
20000
19500
19000
18500
18000
17500
17000
16500
16000

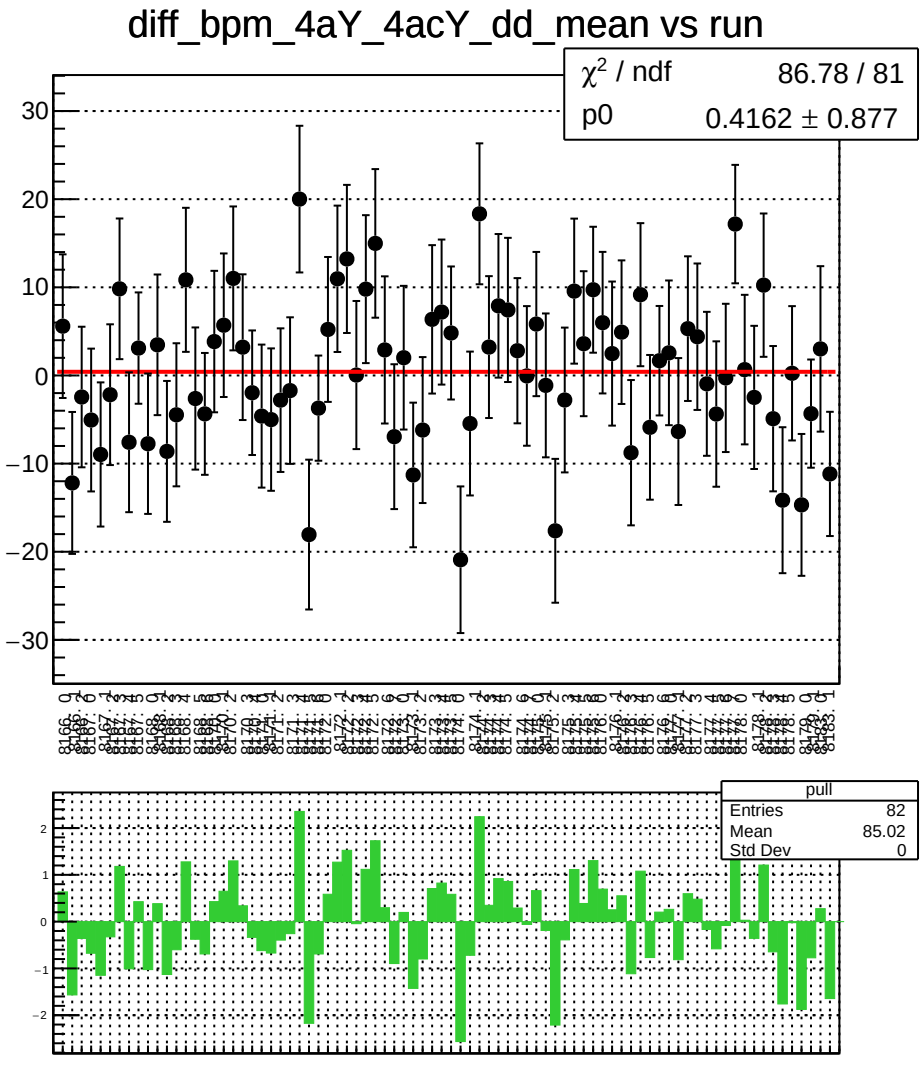

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 75.41 / 81
p0 −0.02996 ± 0.3626
pull
Entries 82
Mean −348.6
Std Dev 0
pull1D
Entries 82
Mean 0.006222
Std Dev 0.9589

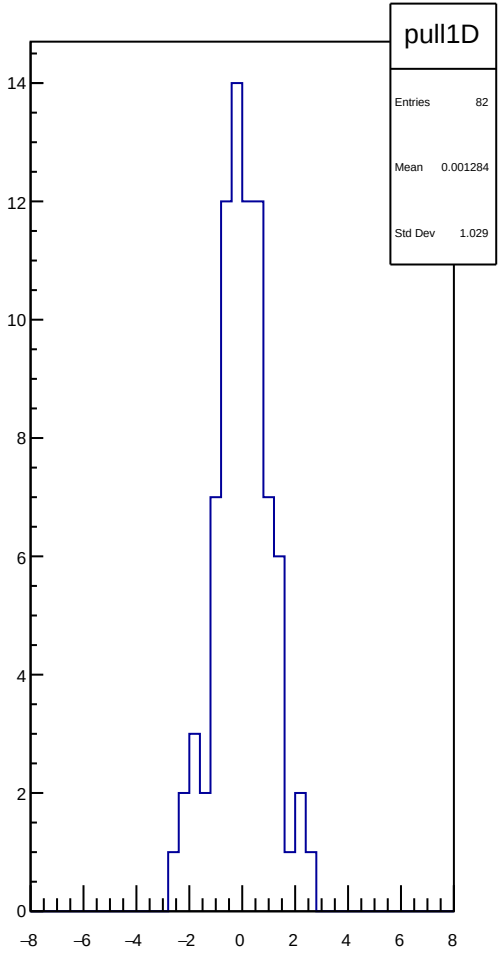

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 131.7 / 81
p0 322.6 ± 0.2564
340
335
330
325
320
315

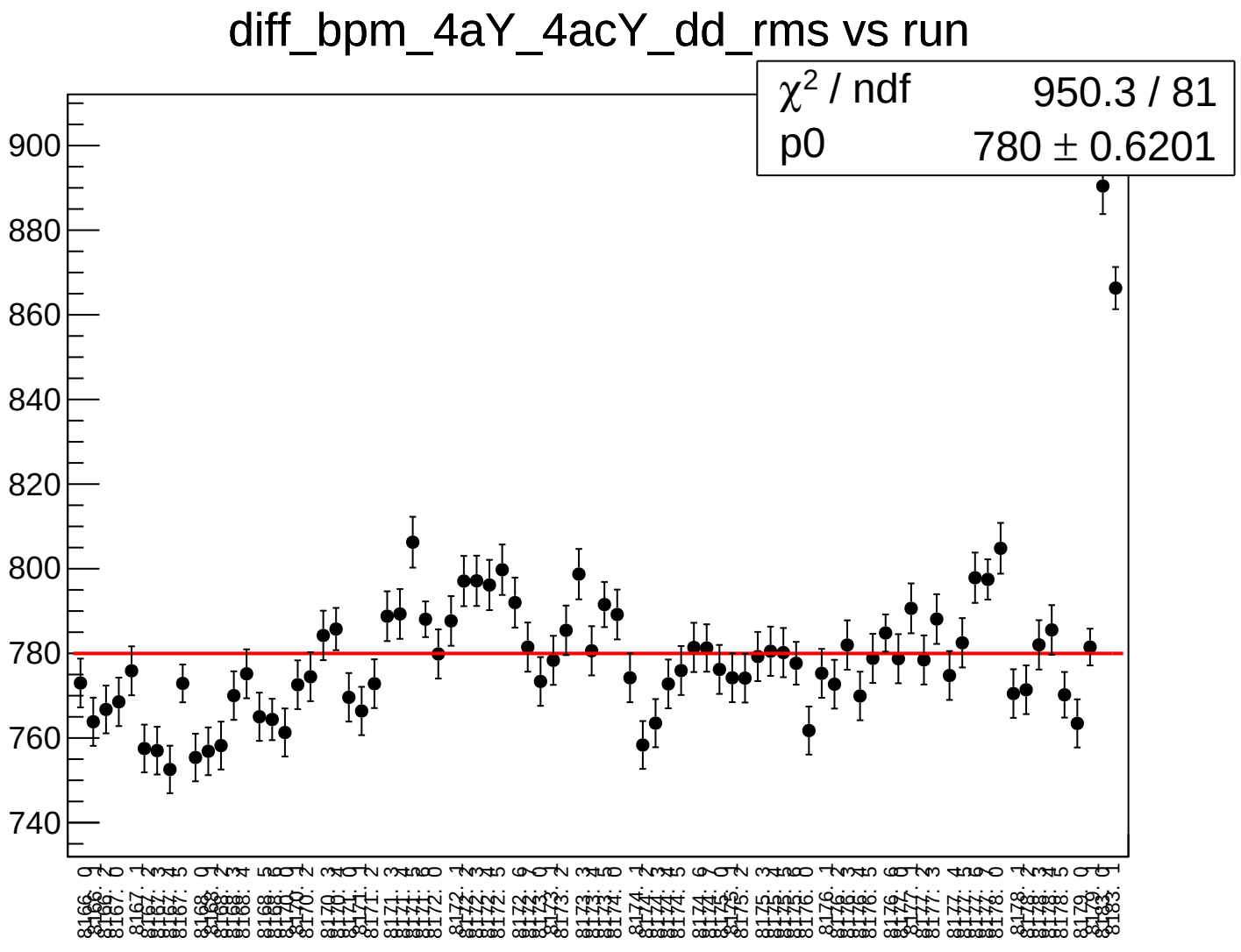

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 81.59 / 81
p0 −8.191 ± 8.011
200
100
0
−100
−200
pull
Entries 82
Mean −36.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

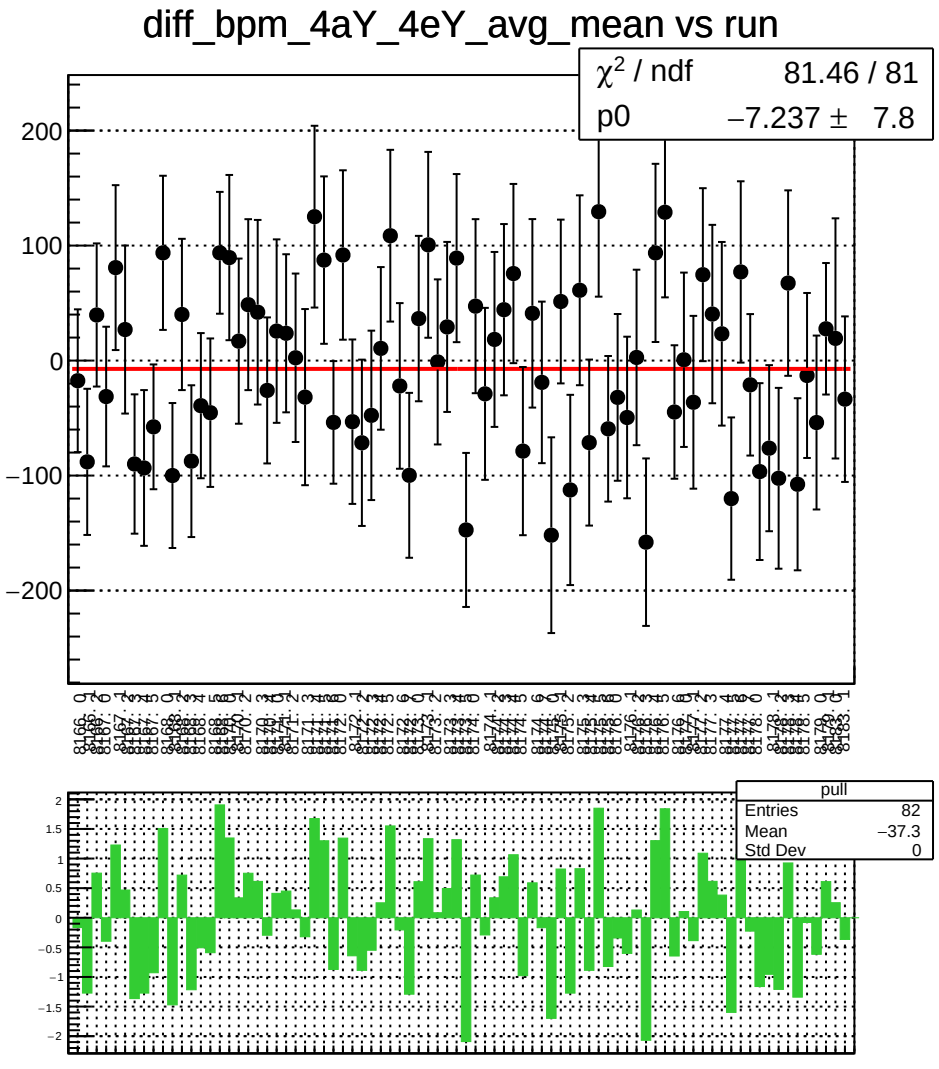

pull1D
Entries 82
Mean 0.02135
Std Dev 0.9973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

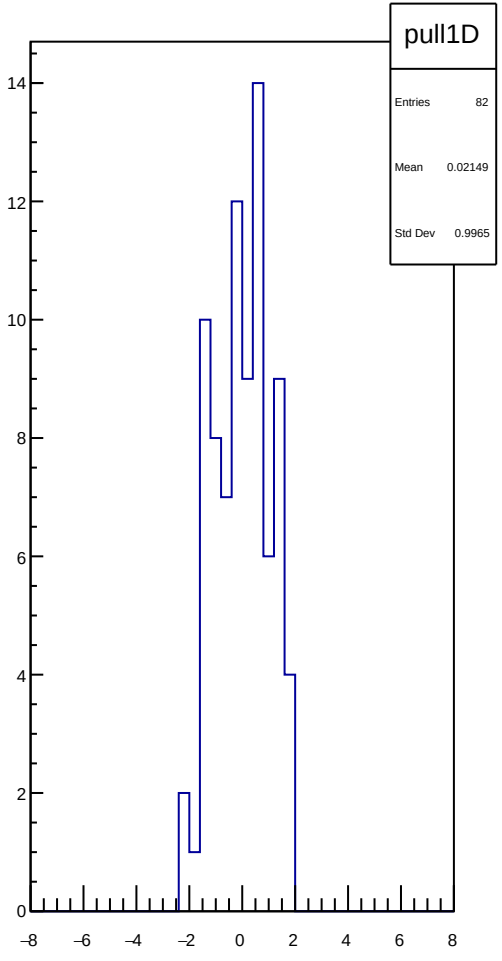

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 1.151e+04 / 81
p0 7101 ± 5.665
10000
9000
8000
7000
6000

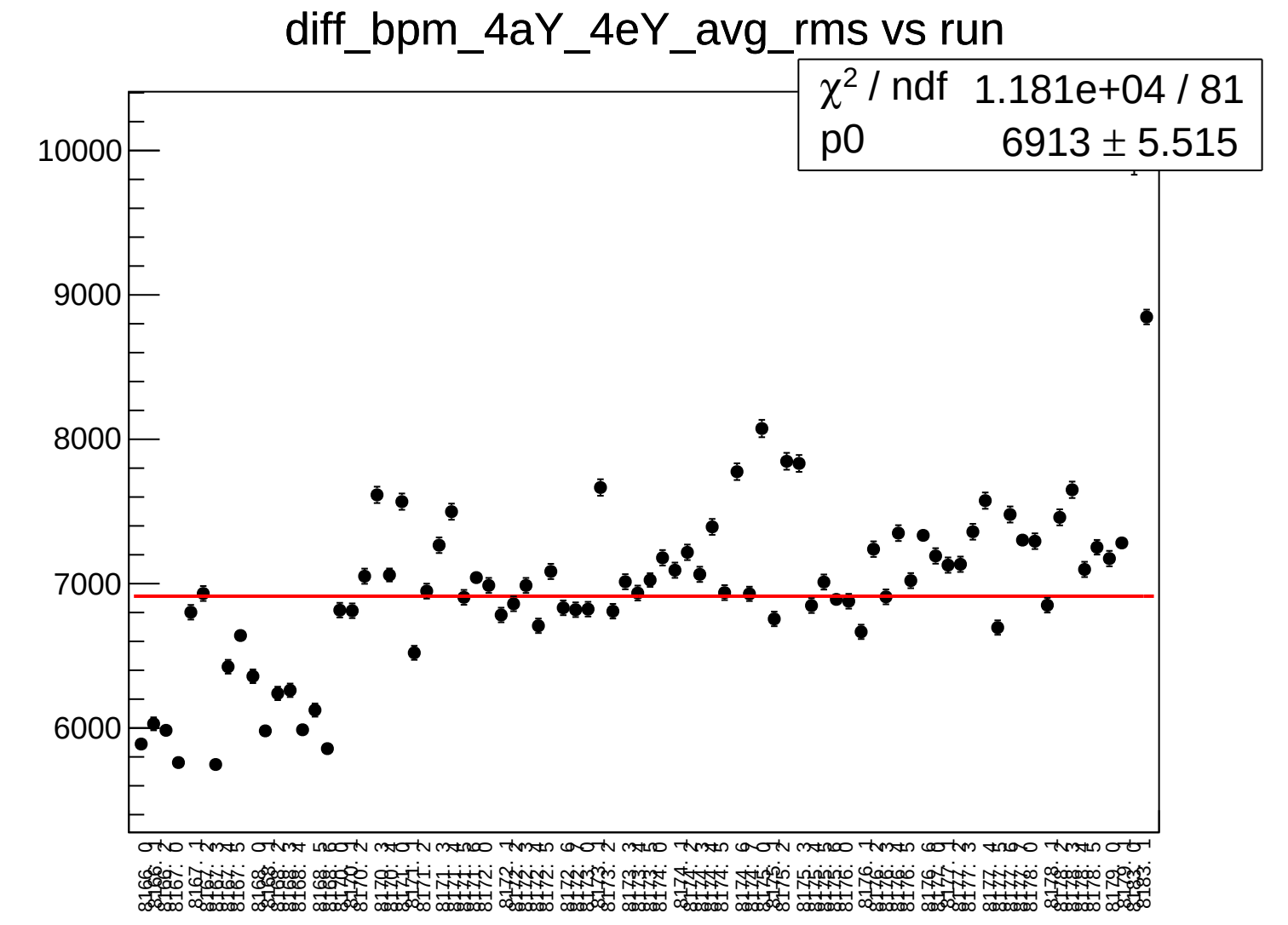

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 86.78 / 81
p0 0.4162 ± 0.877
pull
Entries 82
Mean 85.02
Std Dev 0

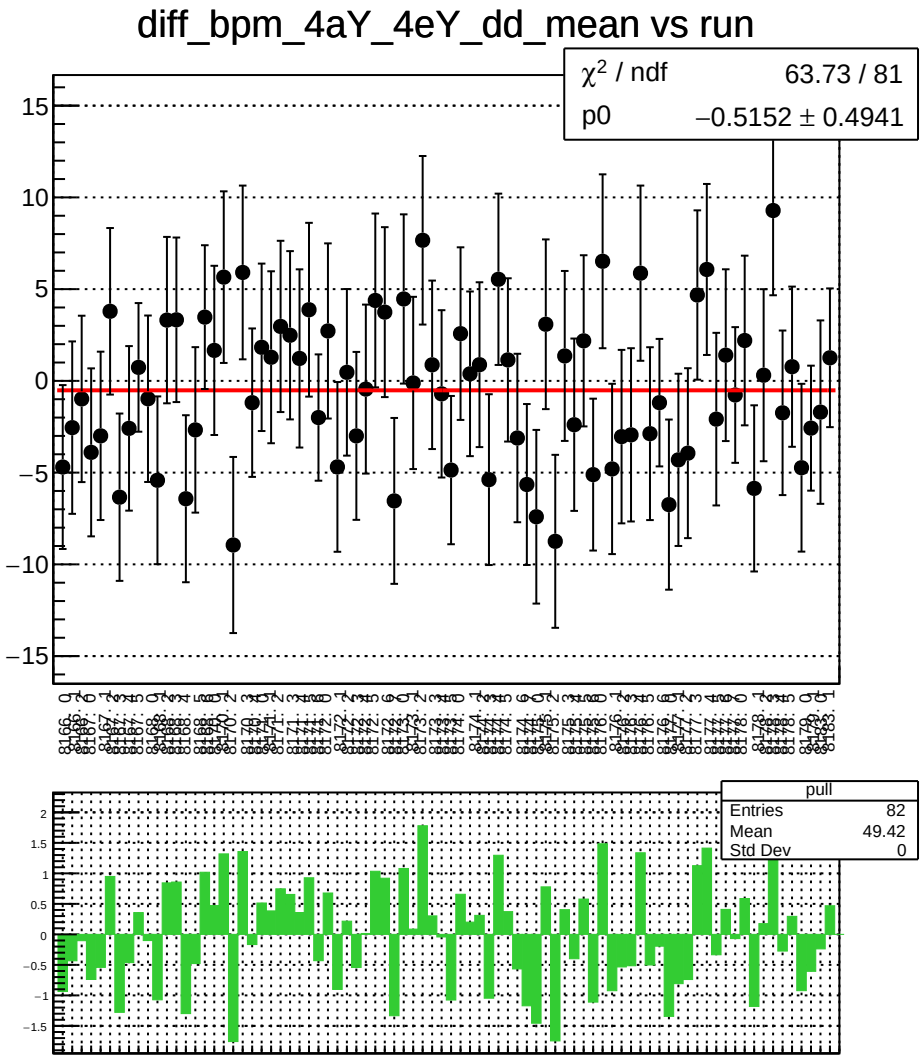

pull1D
Entries 82
Mean 0.001284
Std Dev 1.029

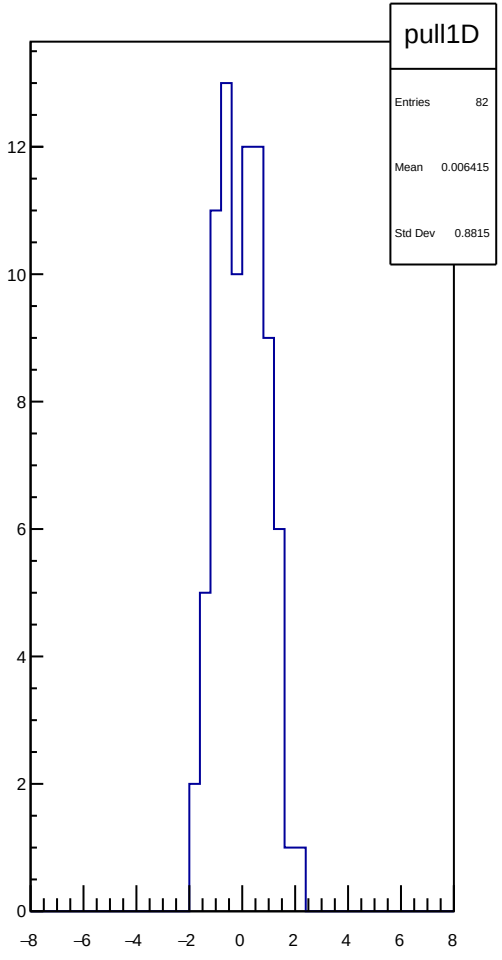

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 950.3 / 81
p0 780 ± 0.6201
900
880
860
840
820
800
780
760
740

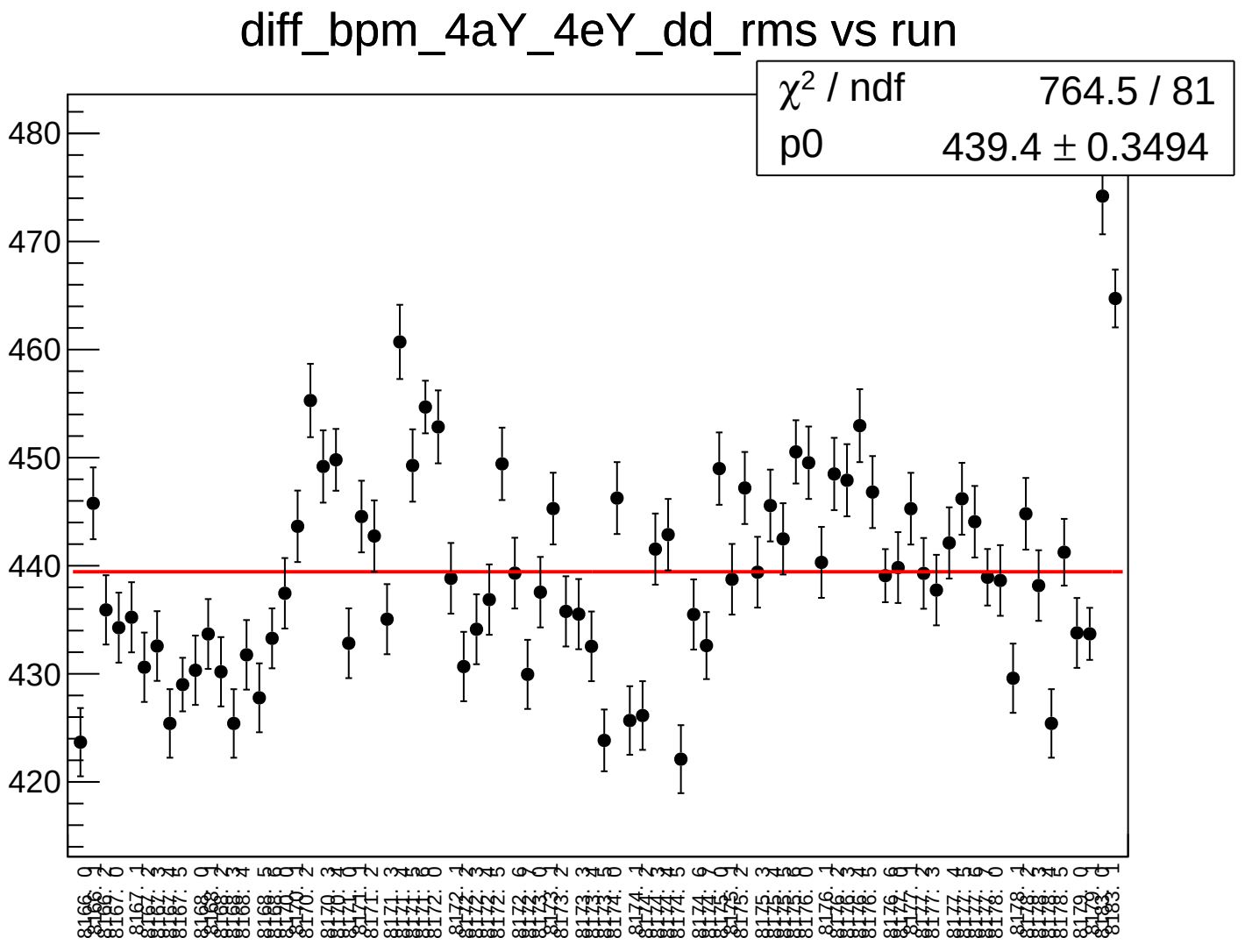

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 81.46 / 81
p0 −7.237 ± 7.8
200
100
0
−100
−200
pull
Entries 82
Mean −37.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

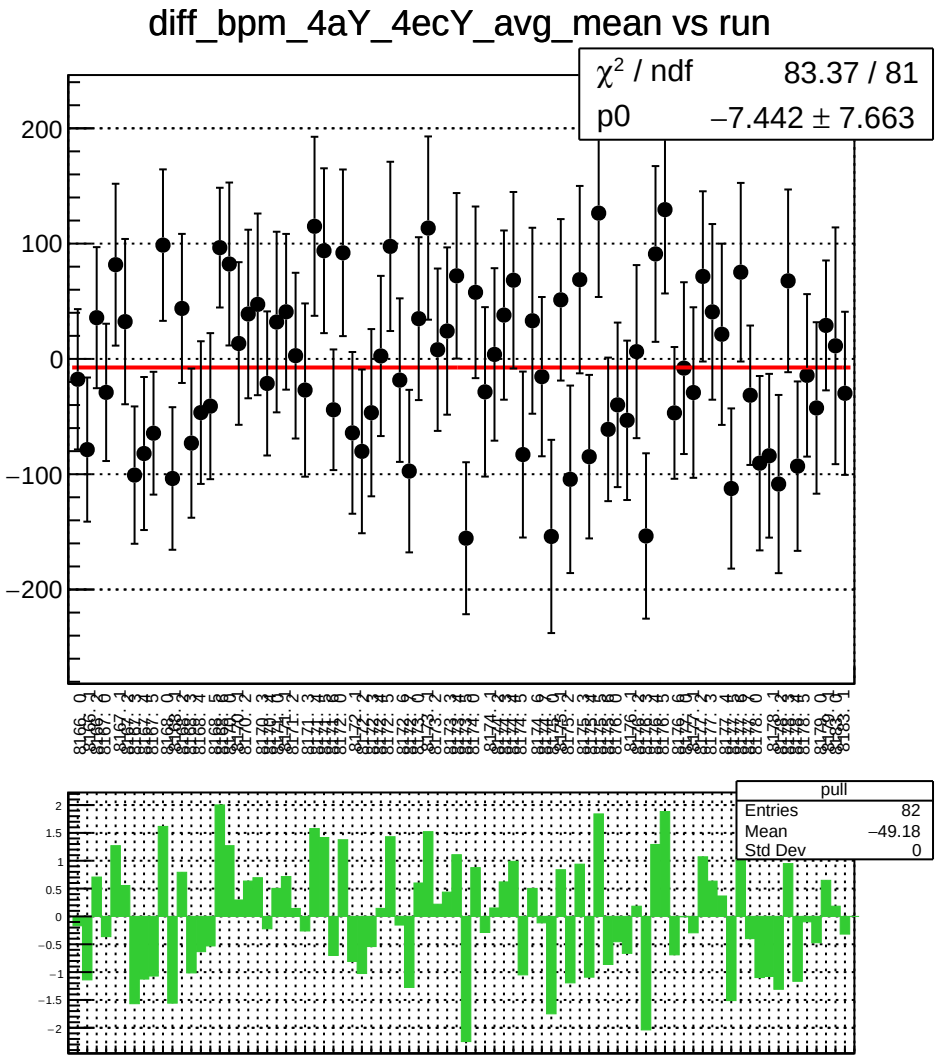

pull1D
Entries 82
Mean 0.02149
Std Dev 0.9965
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

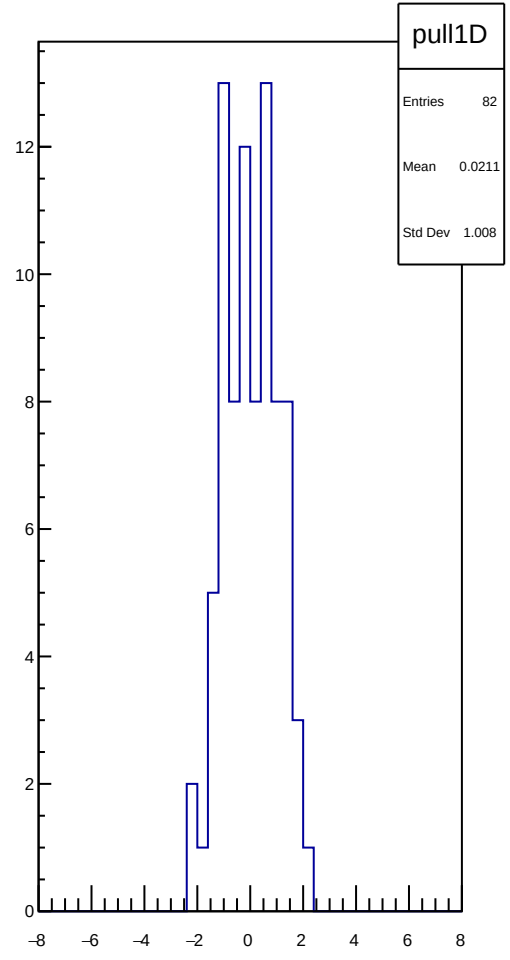

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 1.181e+04 / 81
p0 6913 ± 5.515
10000
9000
8000
7000
6000

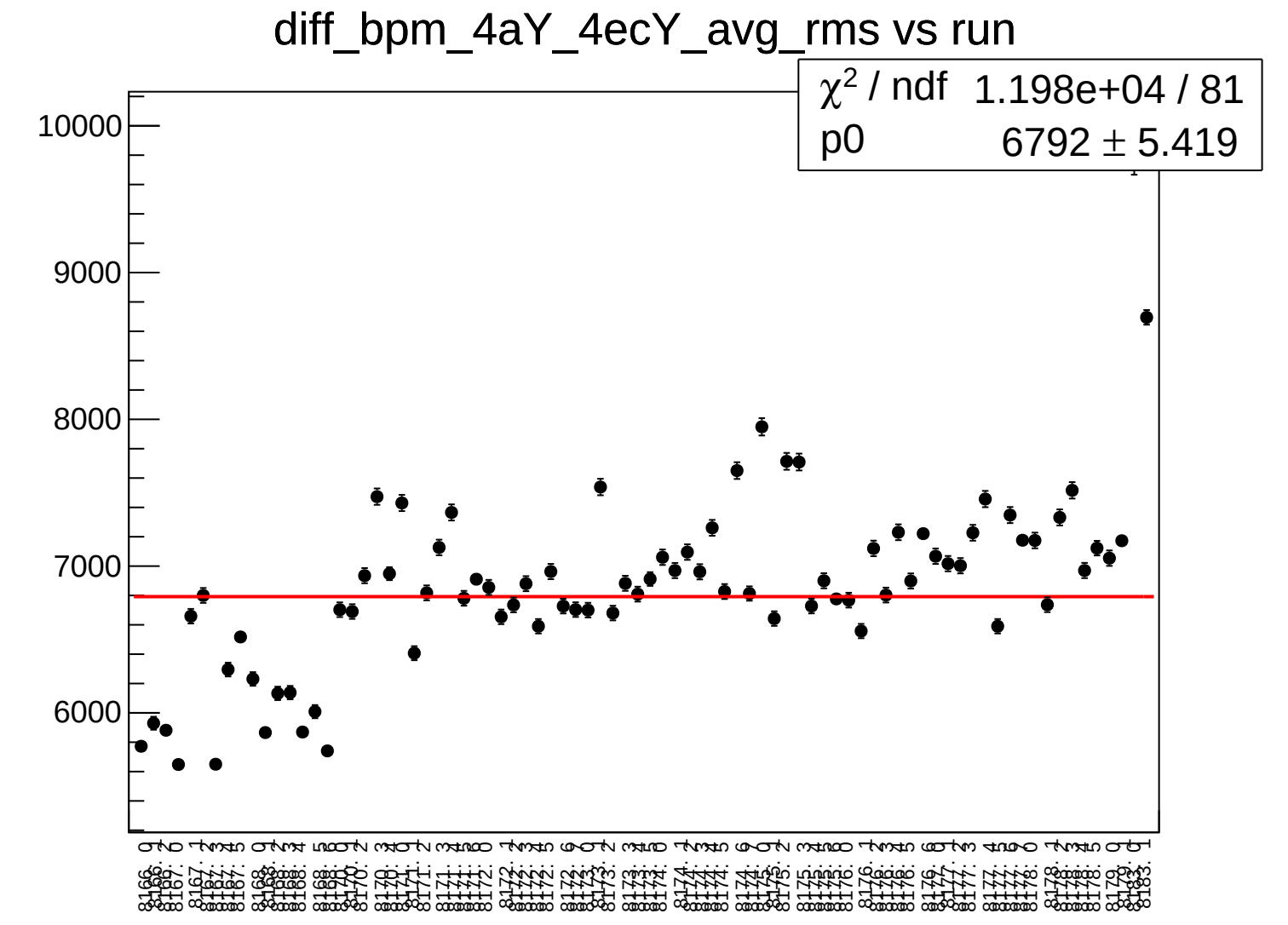

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 63.73 / 81
p0 −0.5152 ± 0.4941
pull
Entries 82
Mean 49.42
Std Dev 0

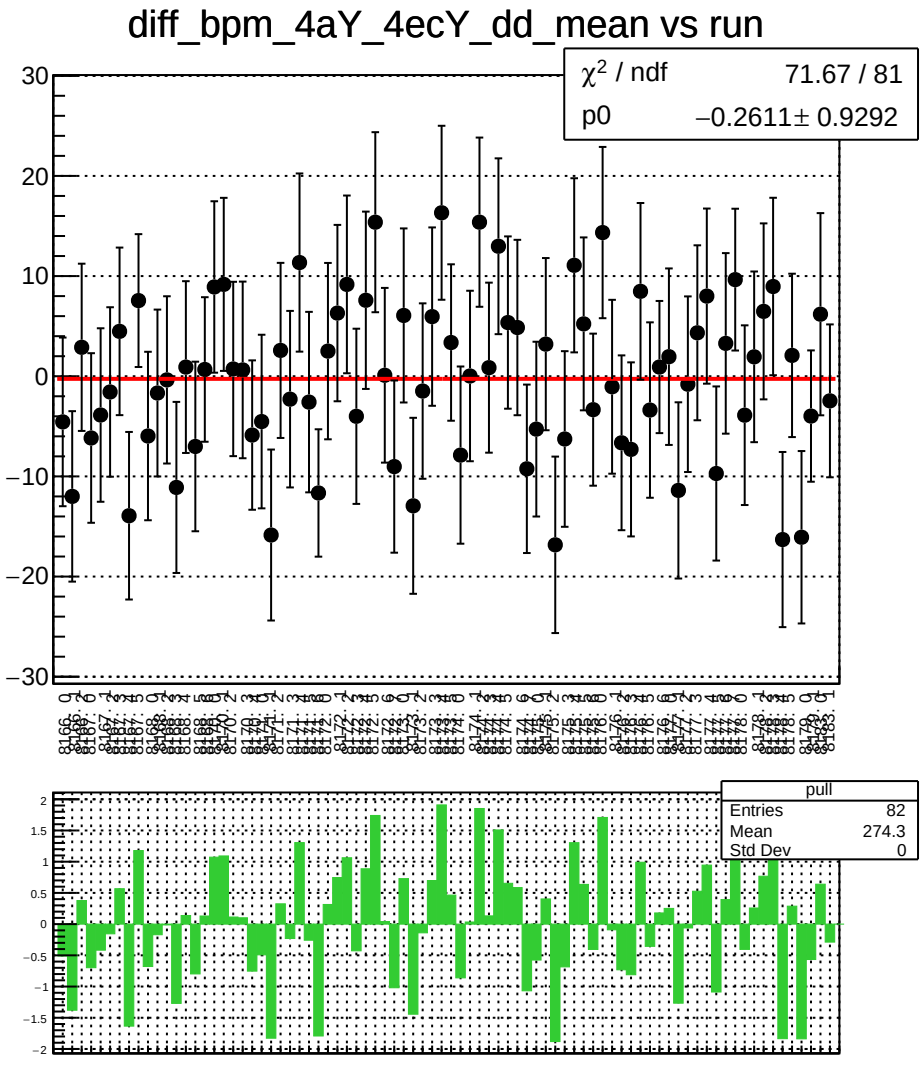

pull1D
Entries 82
Mean 0.006415
Std Dev 0.8815

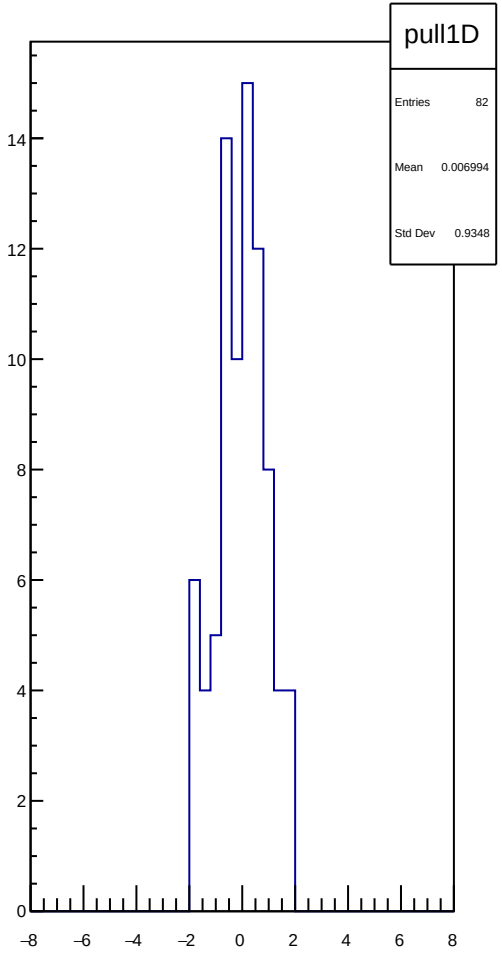

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 764.5 / 81
p0 439.4 ± 0.3494
480
470
460
450
440
430
420

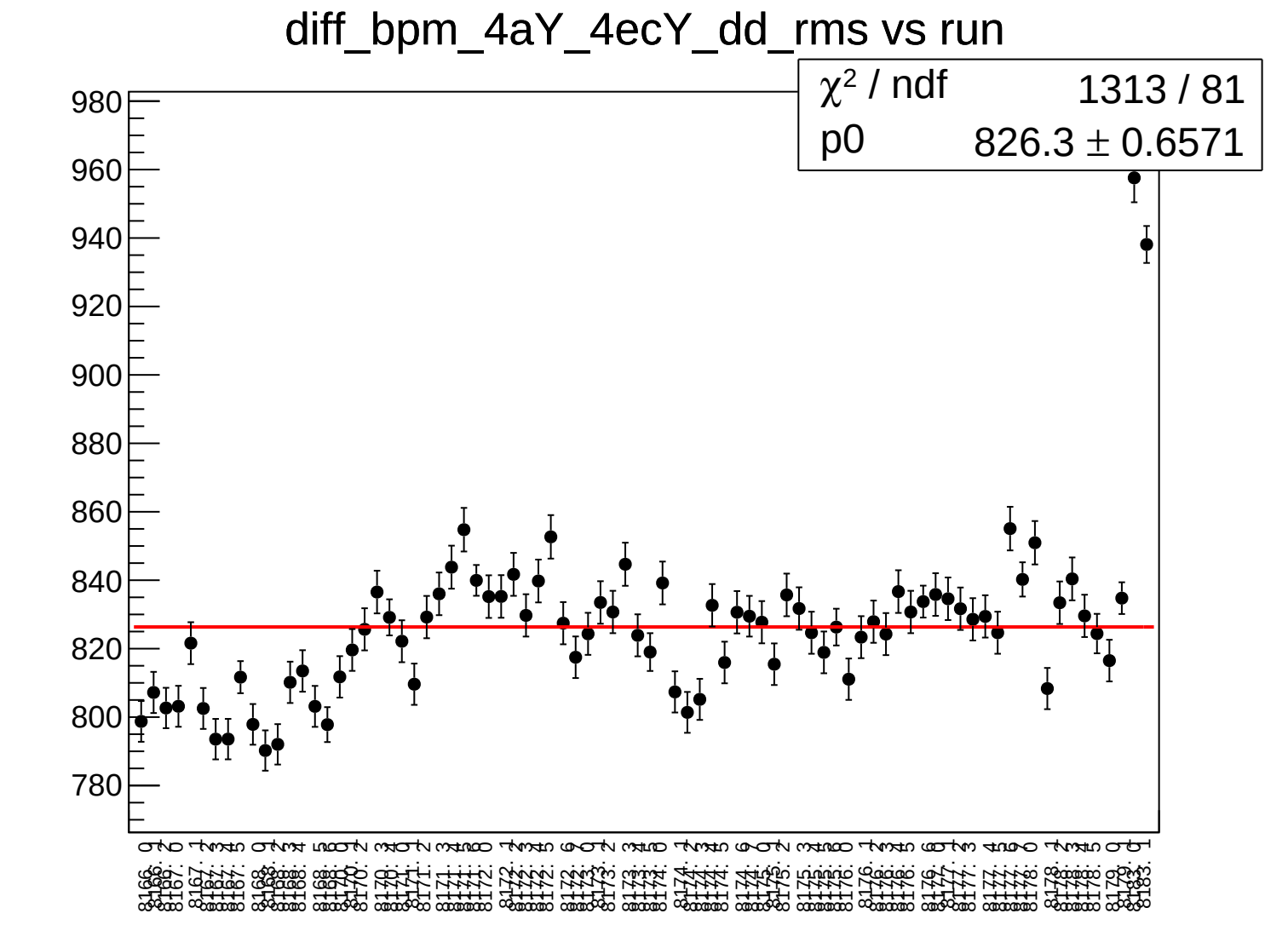

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 83.37 / 81
p0 −7.442 ± 7.663
200
100
0
−100
−200
pull
Entries 82
Mean −49.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

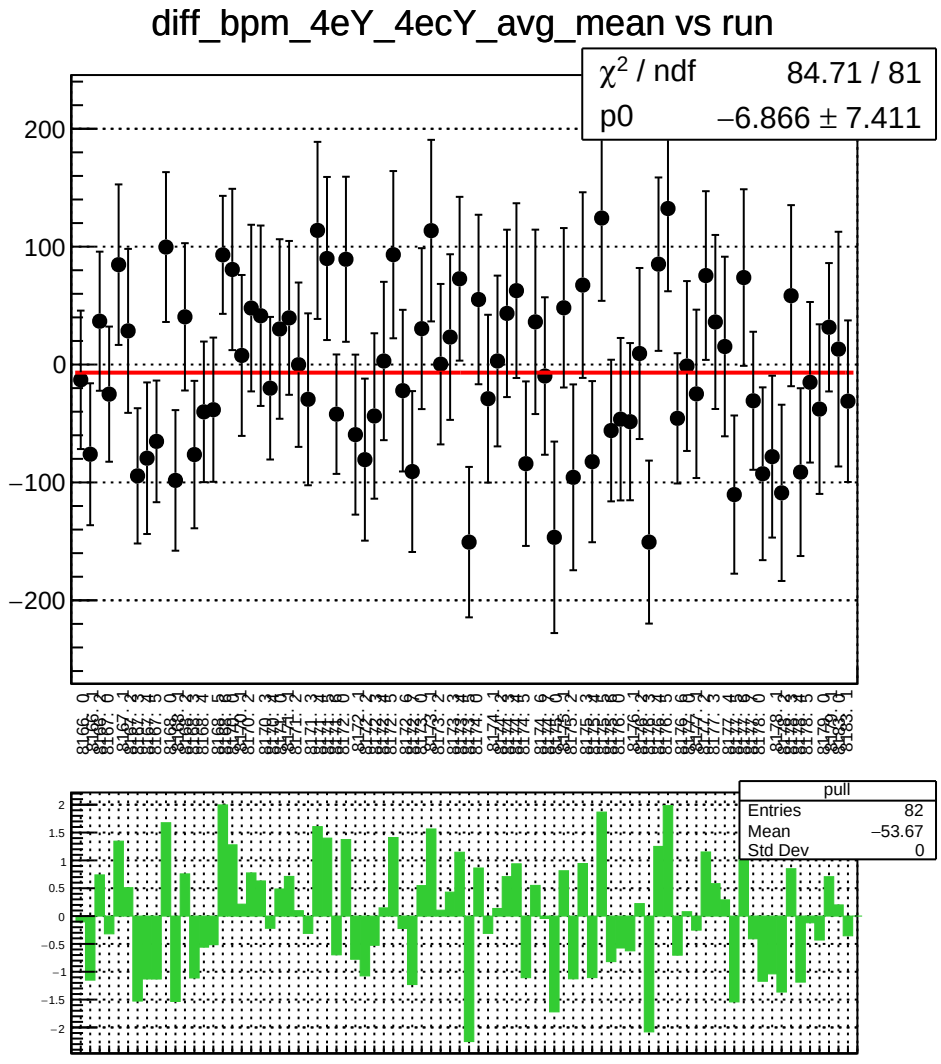

pull1D
Entries 82
Mean 0.0211
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

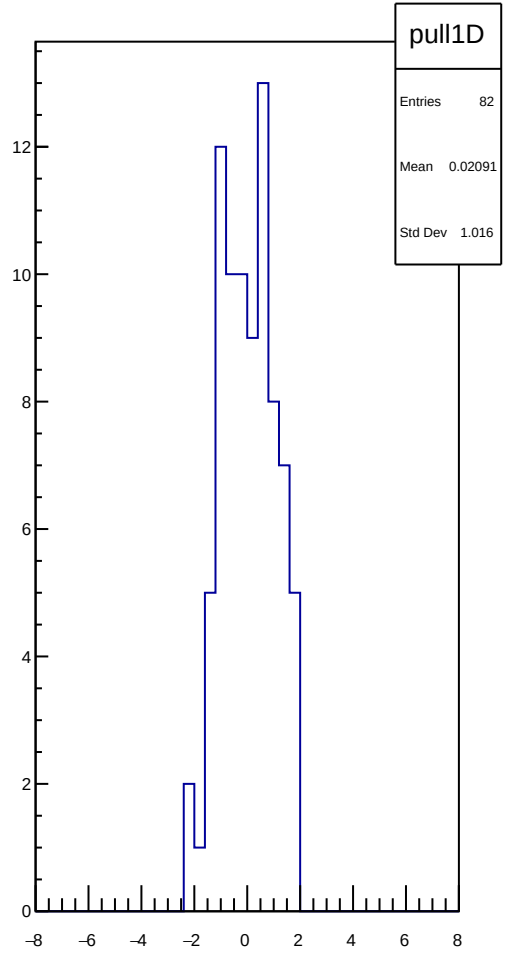

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 1.198e+04 / 81
p0 6792 ± 5.419
10000
9000
8000
7000
6000

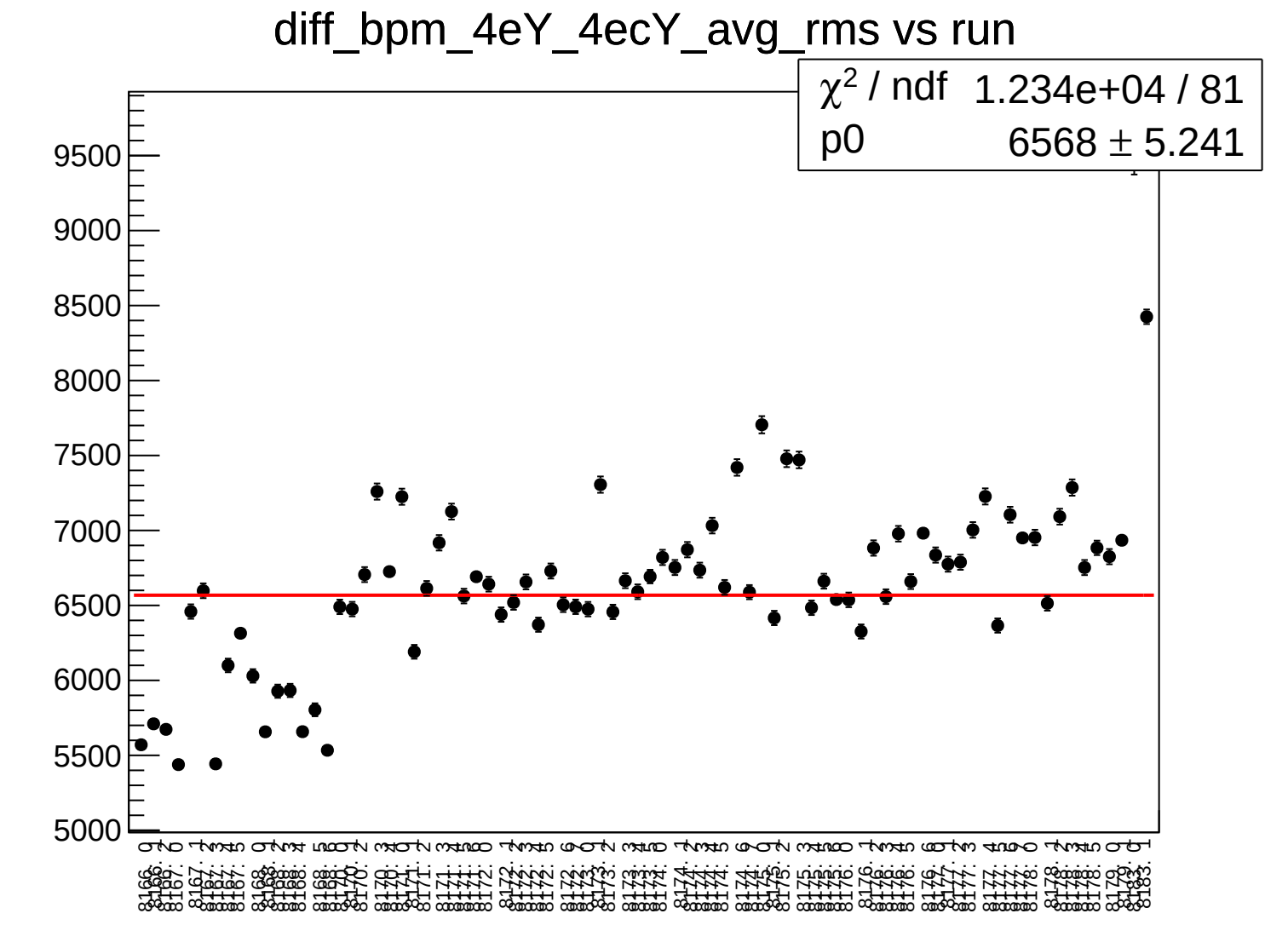

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 71.67 / 81
p0 −0.2611± 0.9292
pull
Entries 82
Mean 274.3
Std Dev 0

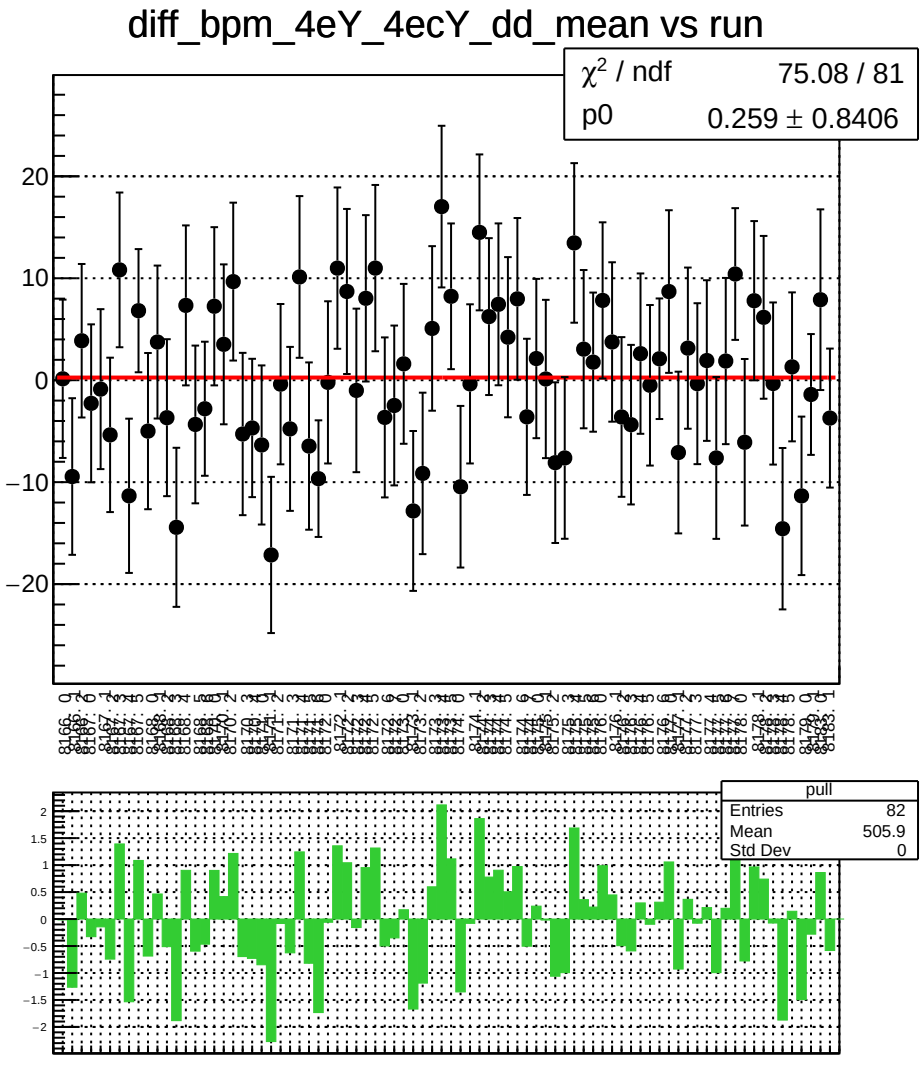

pull1D
Entries 82
Mean 0.006994
Std Dev 0.9348

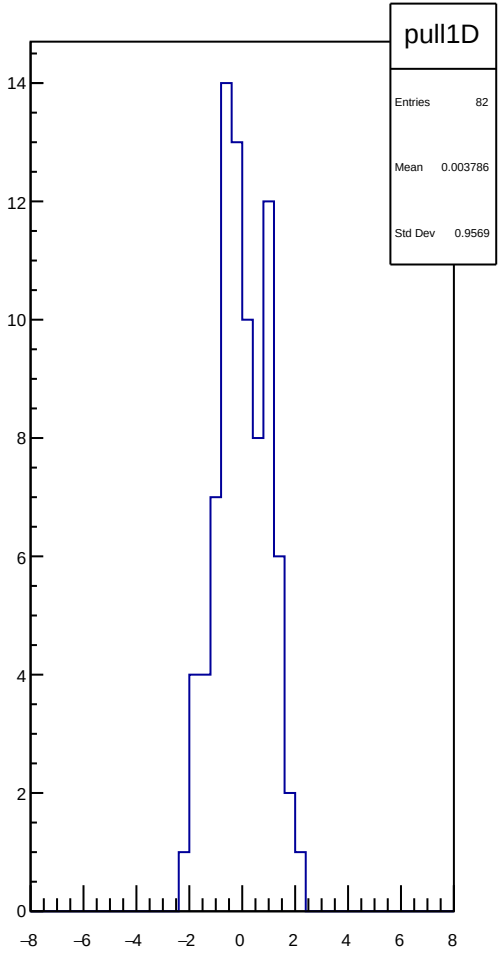

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1313 / 81
p0 826.3 ± 0.6571
980
960
940
920
900
880
860
840
820
800
780

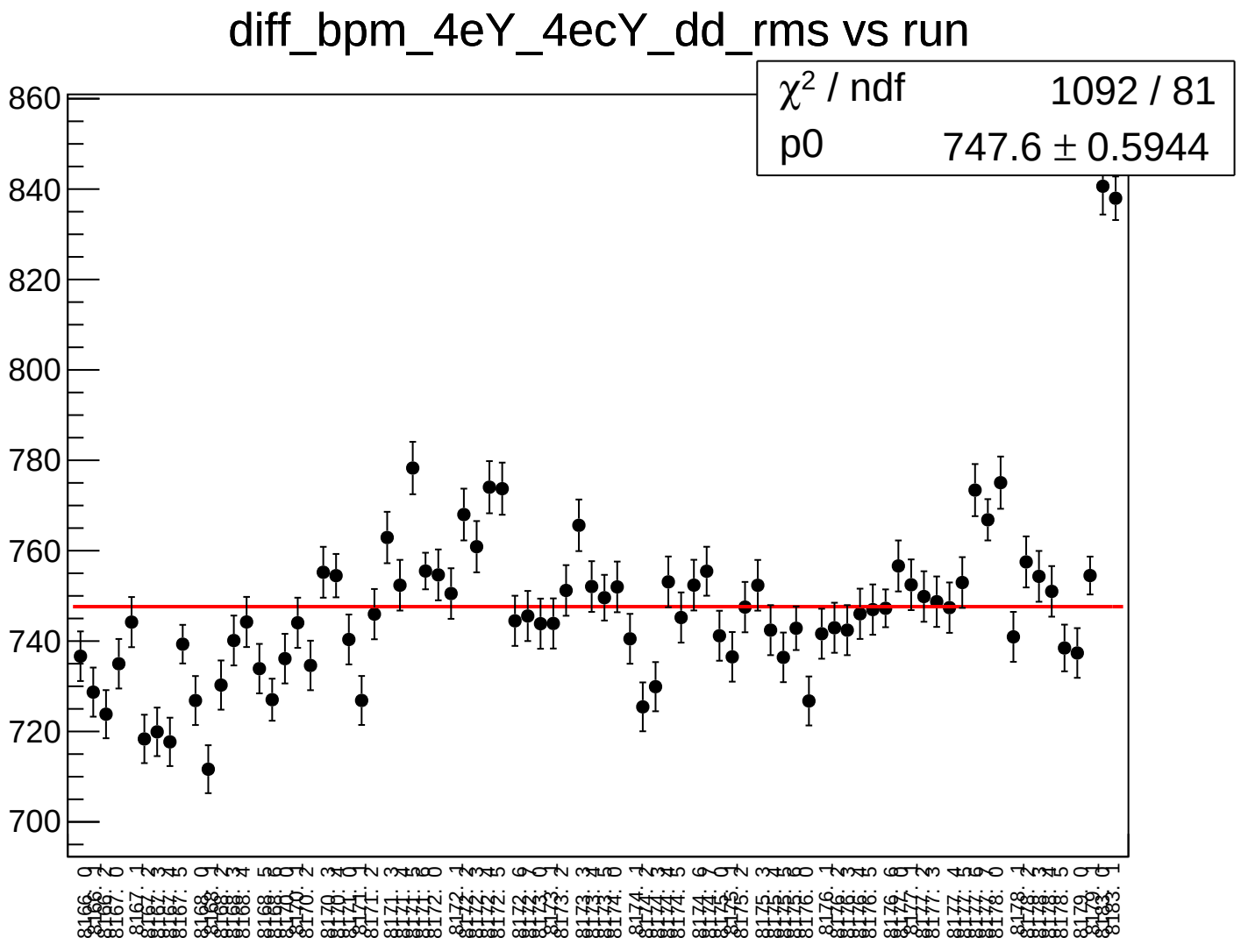

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 84.71 / 81
p0 −6.866 ± 7.411
200
100
0
−100
−200
pull
Entries 82
Mean −53.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

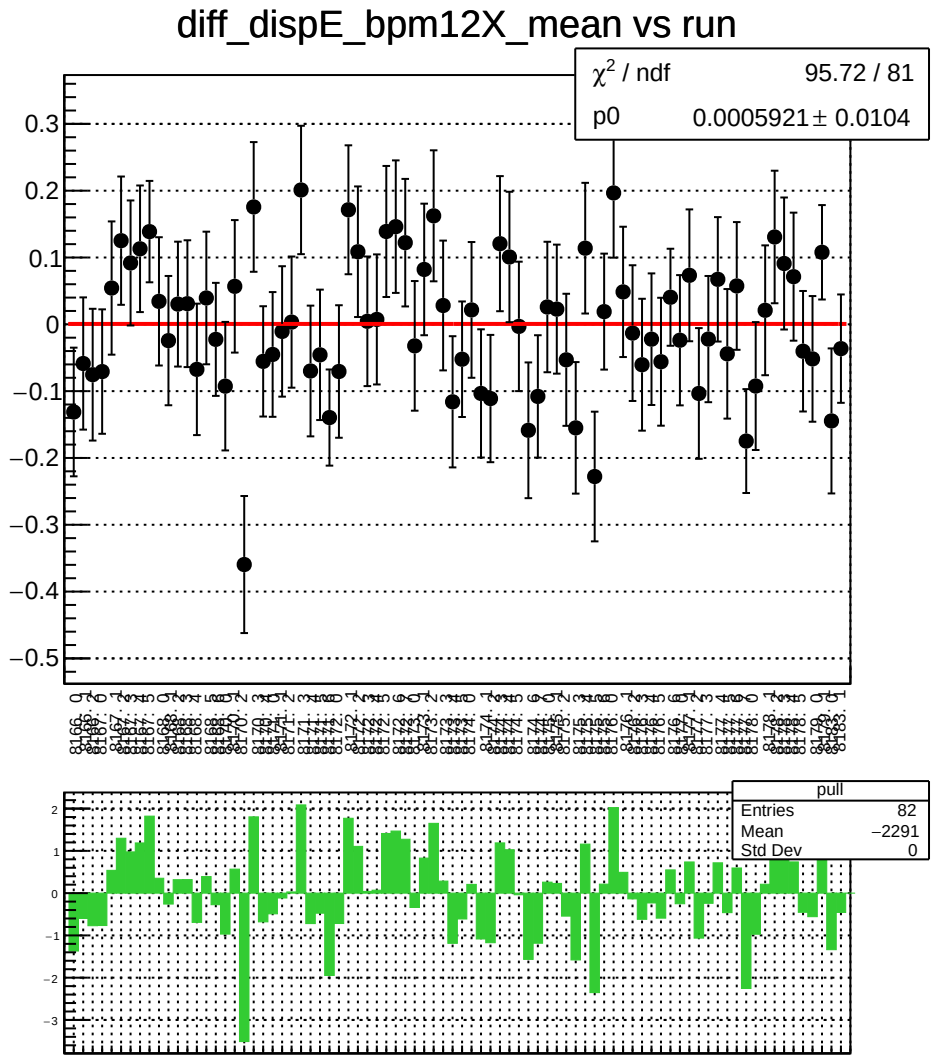

pull1D
Entries 82
Mean 0.02091
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

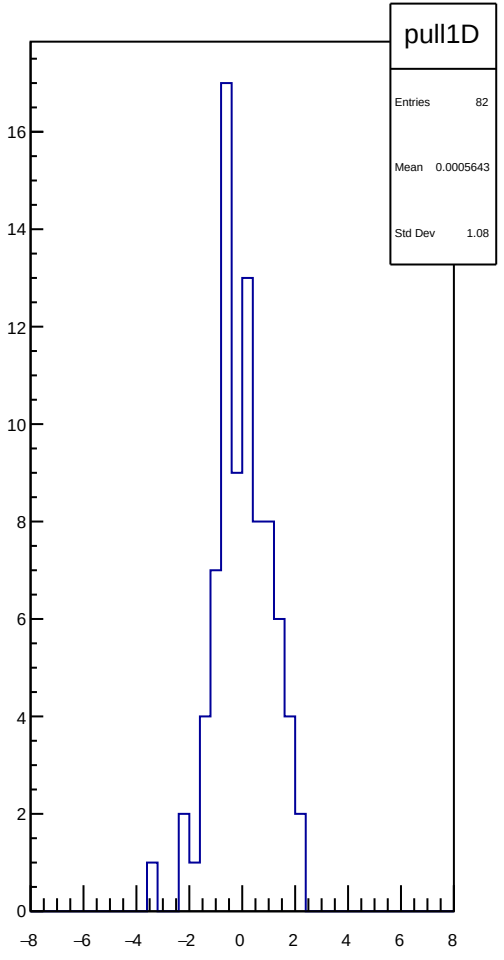

diff_bpm_4eY_4ecY_avg_rms vs run
χ^2 / ndf 1.234e+04 / 81
p0 6568 ± 5.241
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

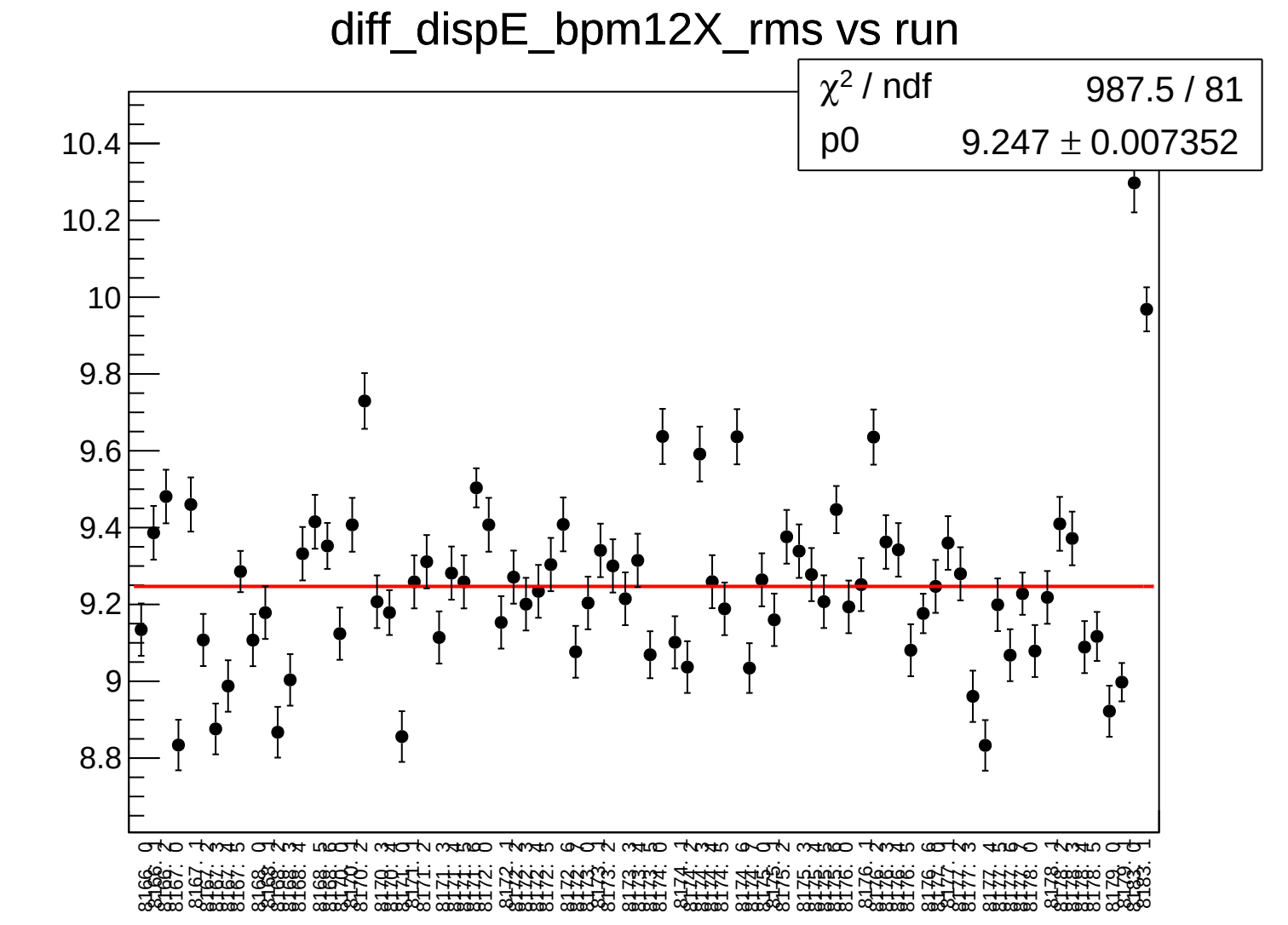

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 75.08 / 81
p0 0.259 ± 0.8406
pull
Entries 82
Mean 505.9
Std Dev 0

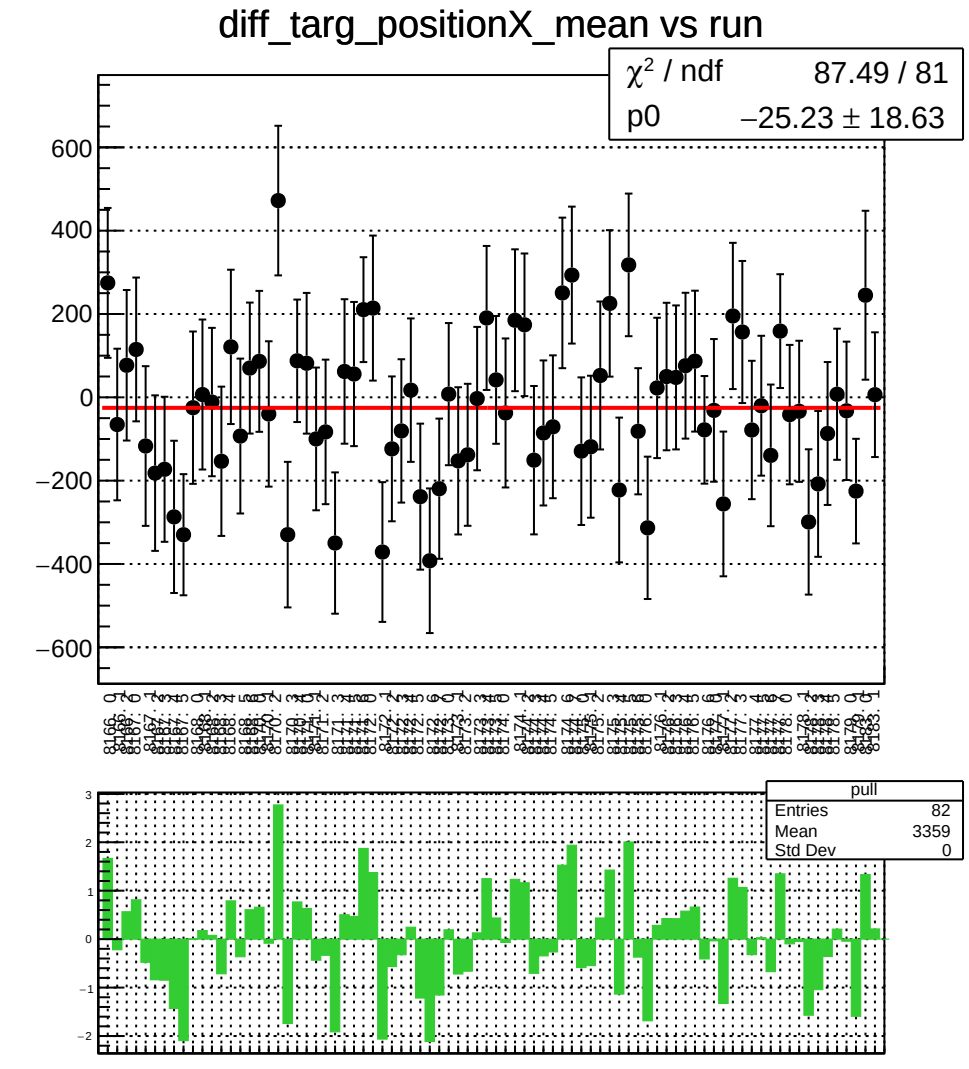

pull1D
Entries 82
Mean 0.003786
Std Dev 0.9569

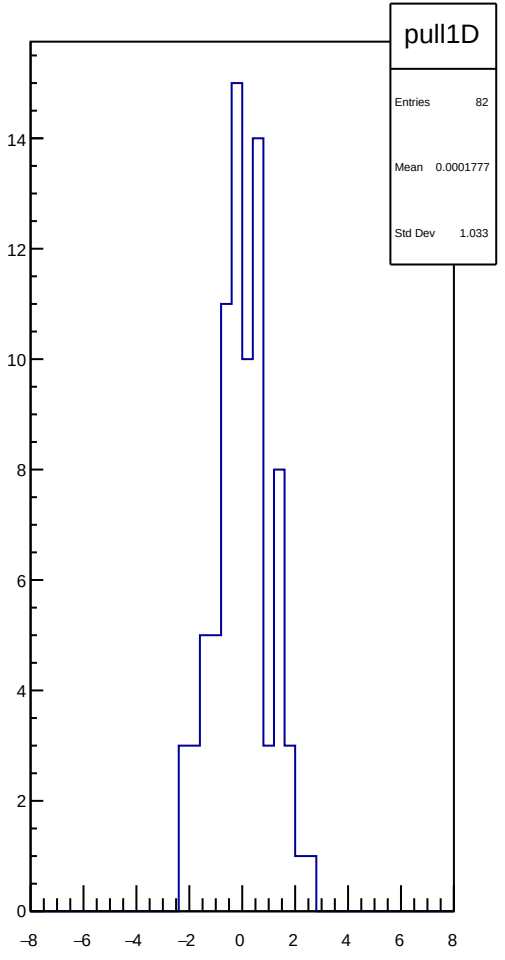

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 1092 / 81
p0 747.6 ± 0.5944
860
840
820
800
780
760
740
720
700

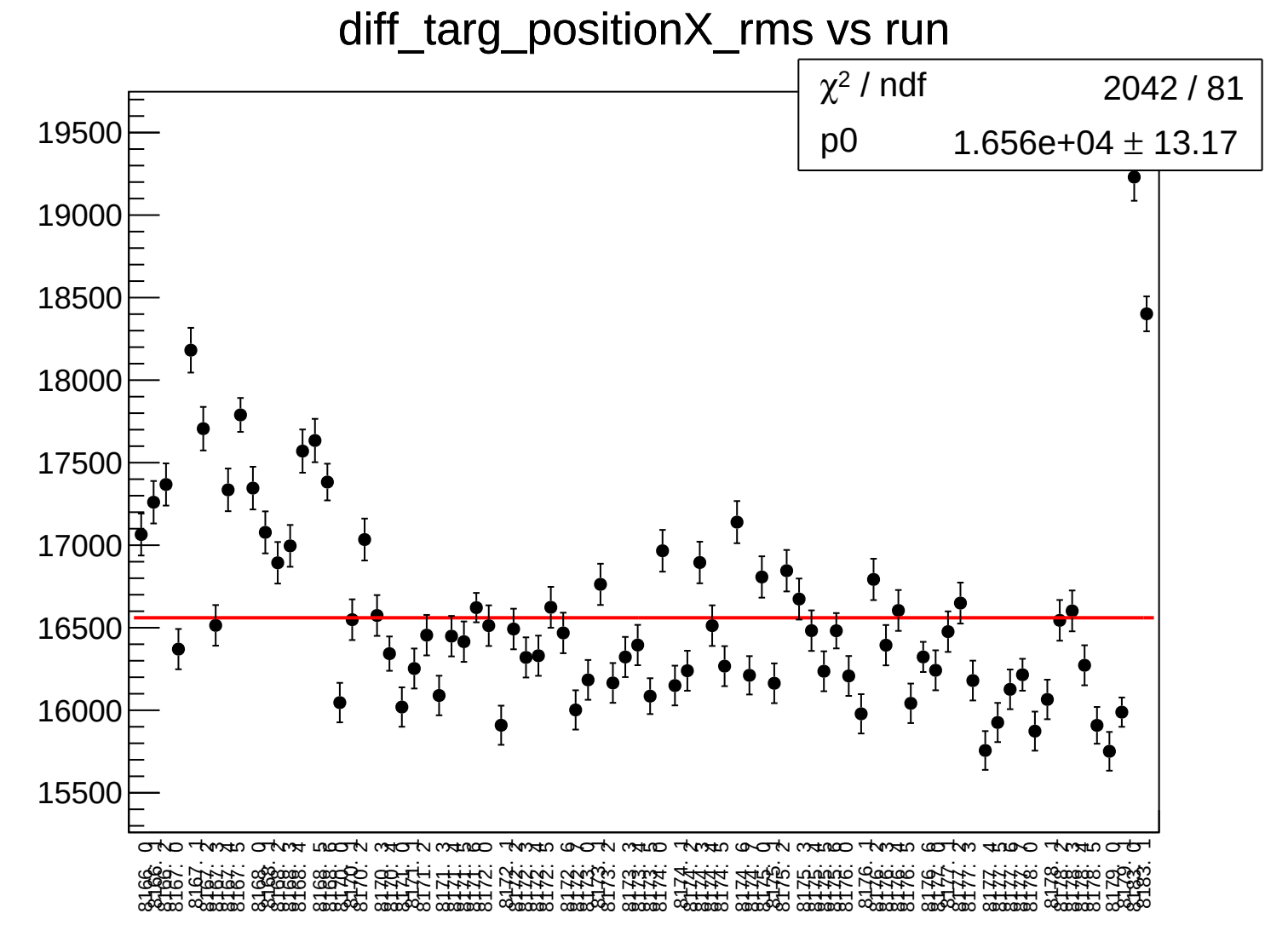

diff_dispE_bpm12X_mean vs run
χ² / ndf 95.72 / 81
p0 0.0005921 ± 0.0104
pull
Entries 82
Mean −2291
Std Dev 0

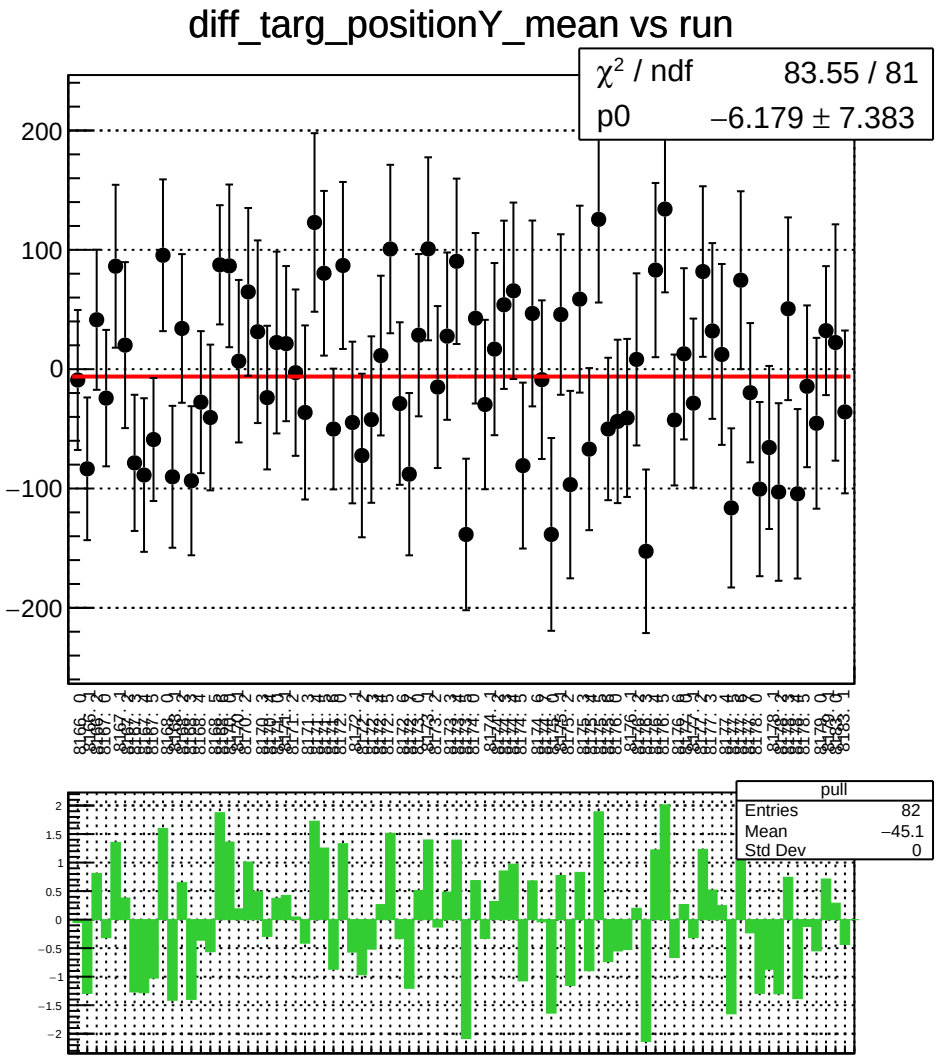

pull1D
Entries 82
Mean 0.0005643
Std Dev 1.08

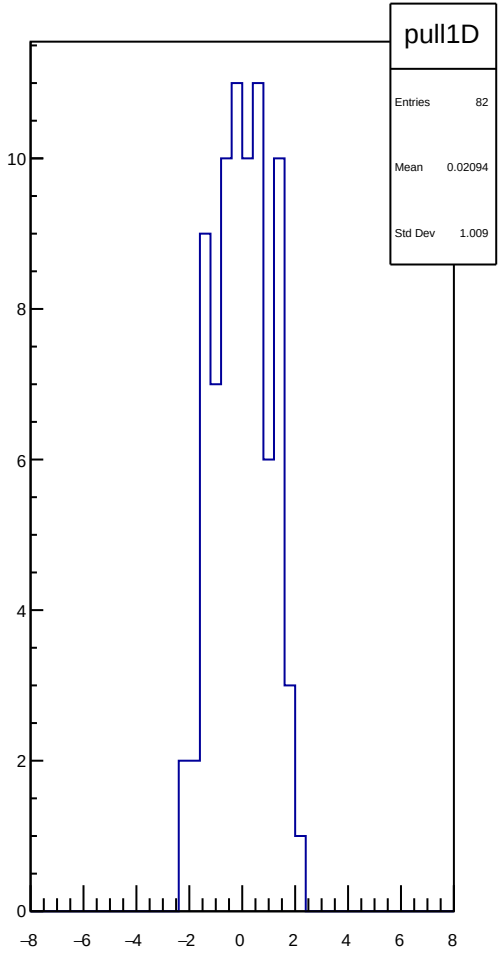

diff_dispE_bpm12X_rms vs run
χ^2 / ndf 987.5 / 81
p0 9.247 ± 0.007352
10.4
10.2
10
9.8
9.6
9.4
9.2
9
8.8

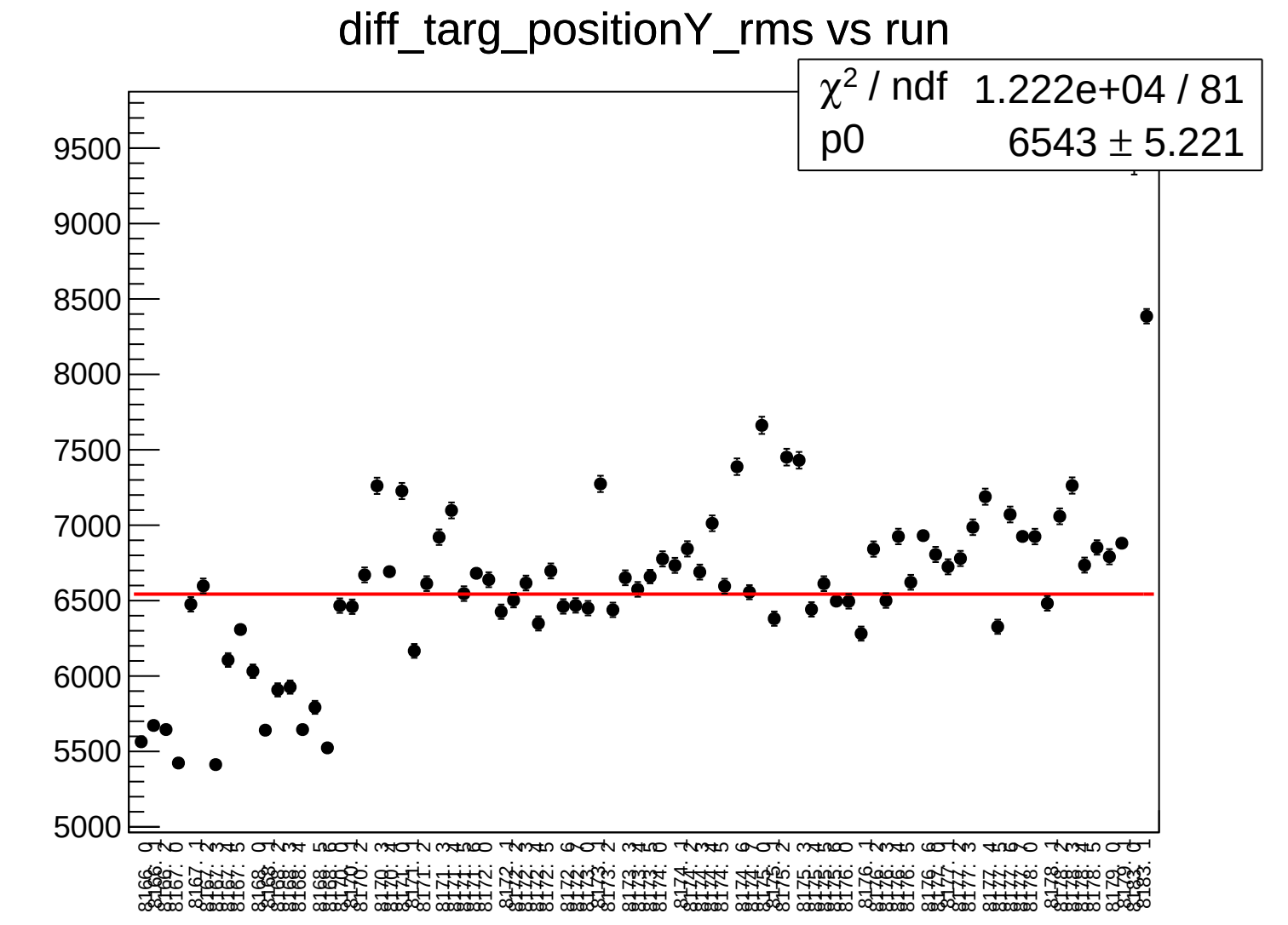

diff_targ_positionX_mean vs run
χ² / ndf 87.49 / 81
p0 −25.23 ± 18.63
pull
Entries 82
Mean 3359
Std Dev 0

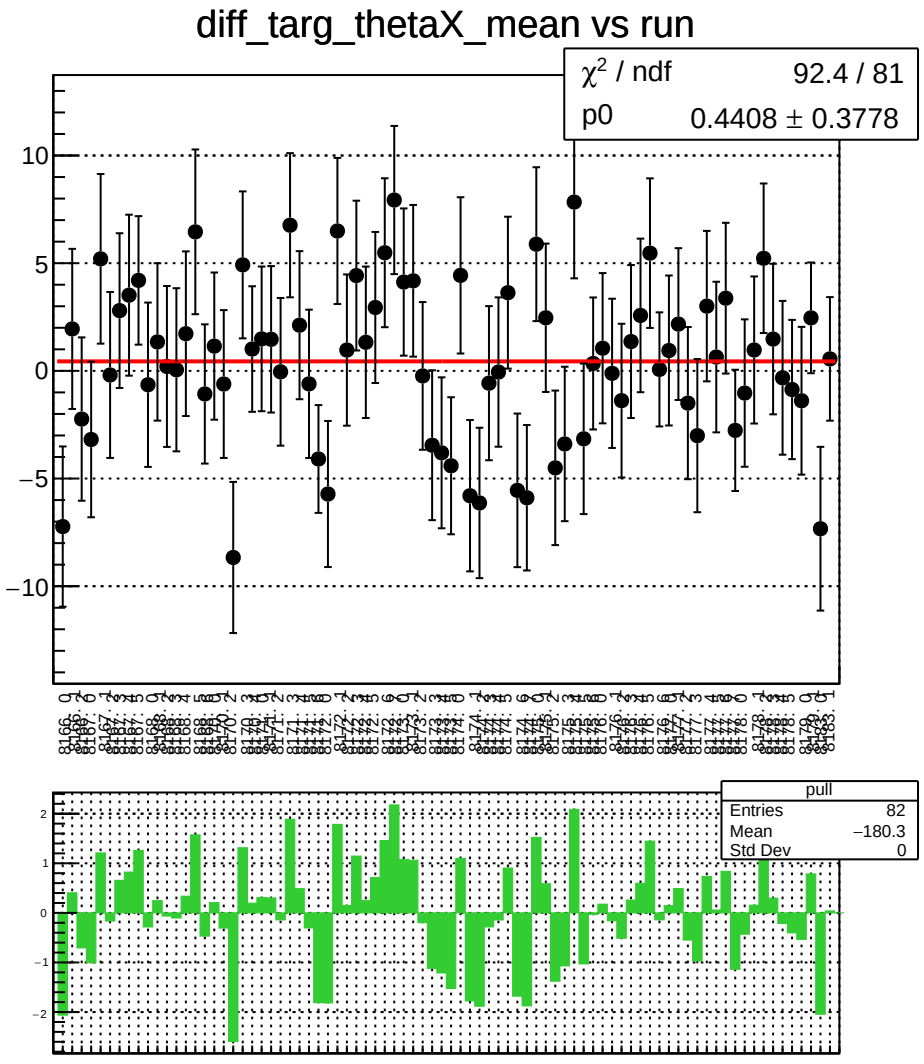

pull1D
Entries 82
Mean 0.0001777
Std Dev 1.033

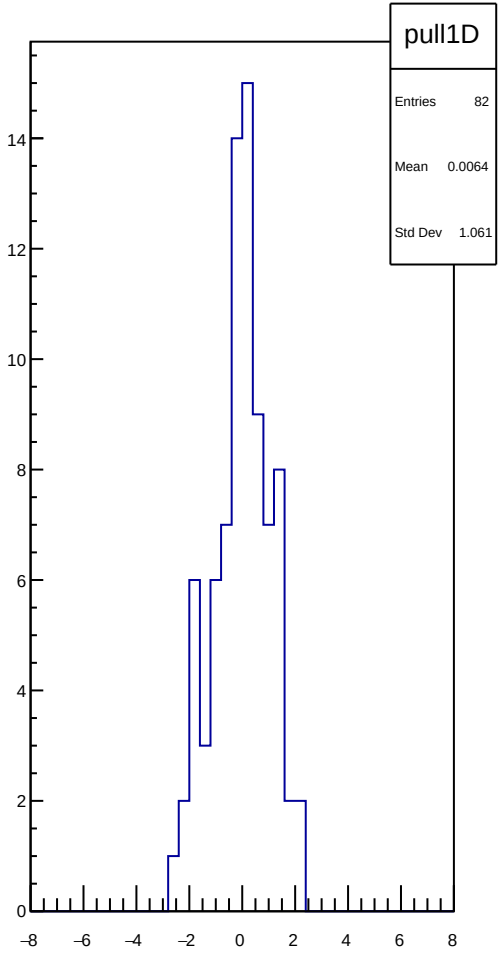

diff_targ_positionX_rms vs run
χ² / ndf 2042 / 81
p0 1.656e+04 ± 13.17
19500
19000
18500
18000
17500
17000
16500
16000
15500

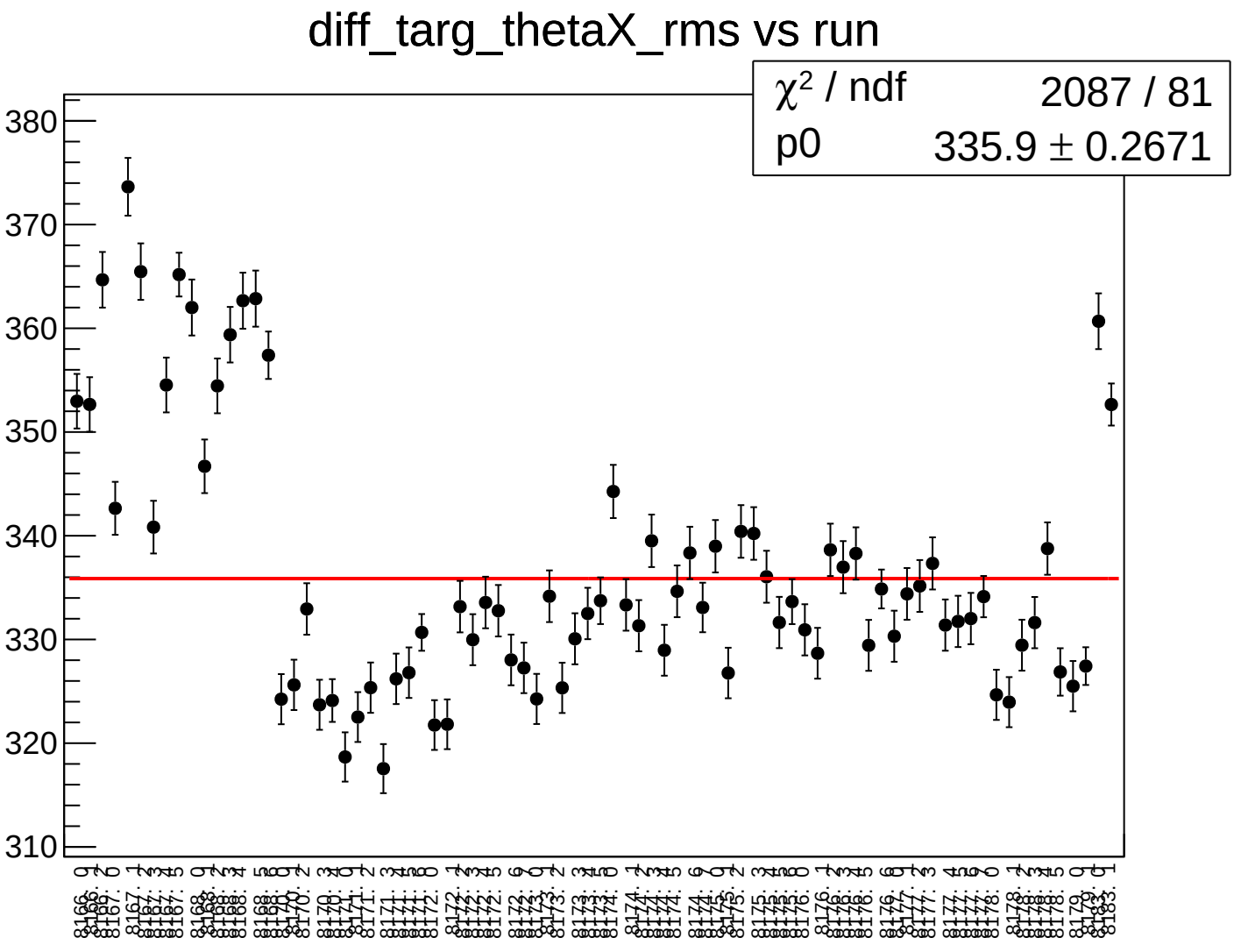

diff_targ_positionY_mean vs run
χ² / ndf 83.55 / 81
p0 −6.179 ± 7.383
200
100
0
−100
−200
pull
Entries 82
Mean −45.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

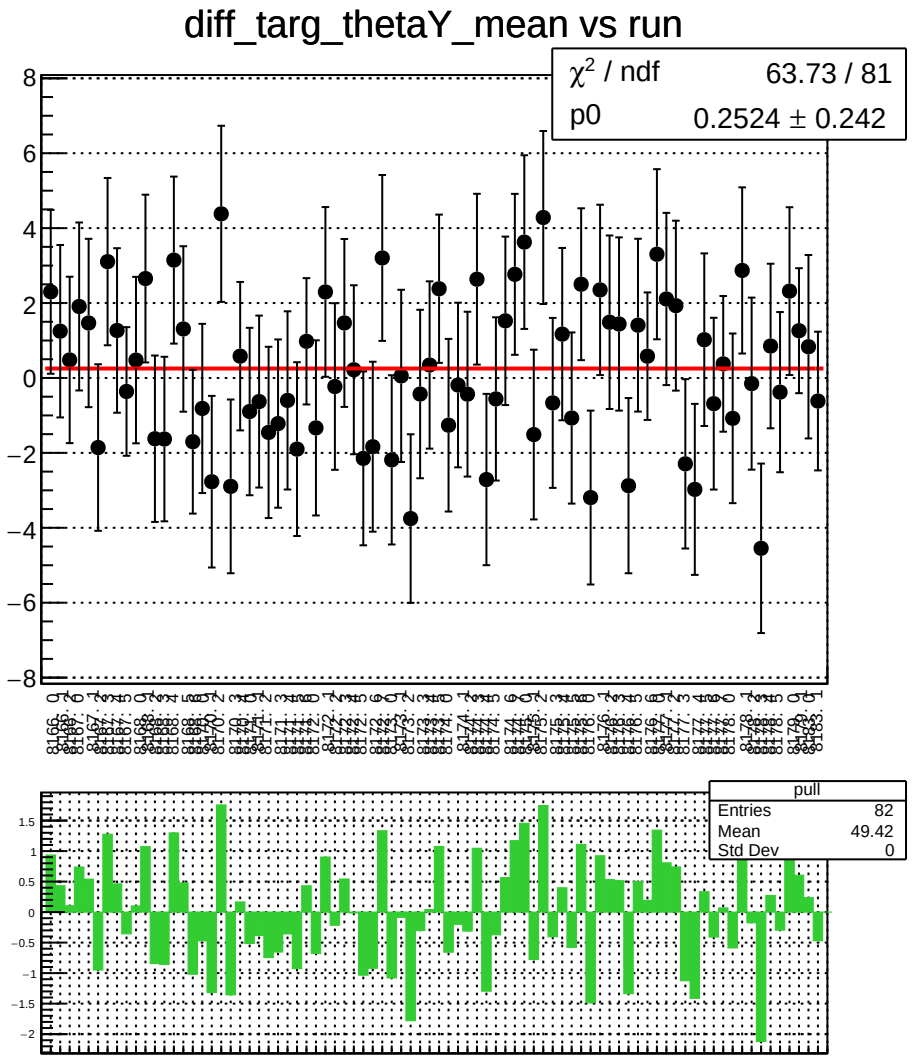

pull1D
Entries 82
Mean 0.02094
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

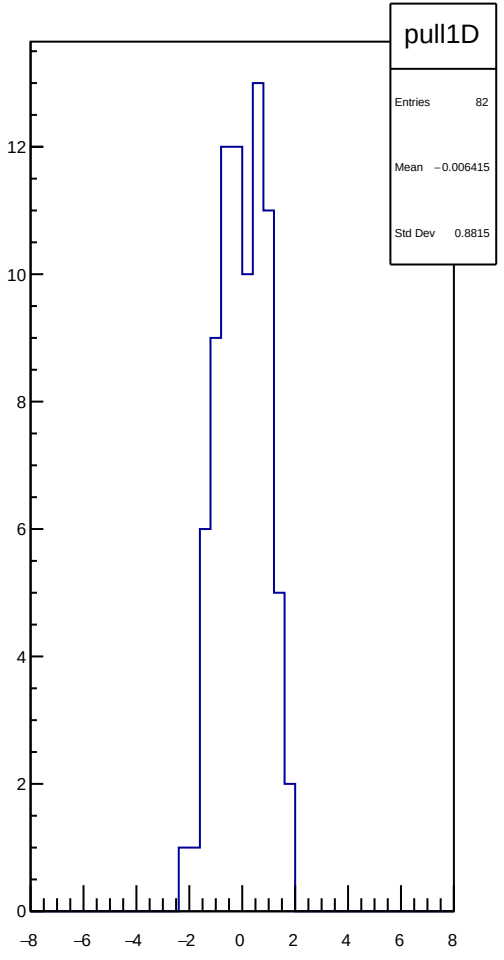

diff_targ_positionY_rms vs run
χ^2 / ndf 1.222e+04 / 81
p0 6543 ± 5.221
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

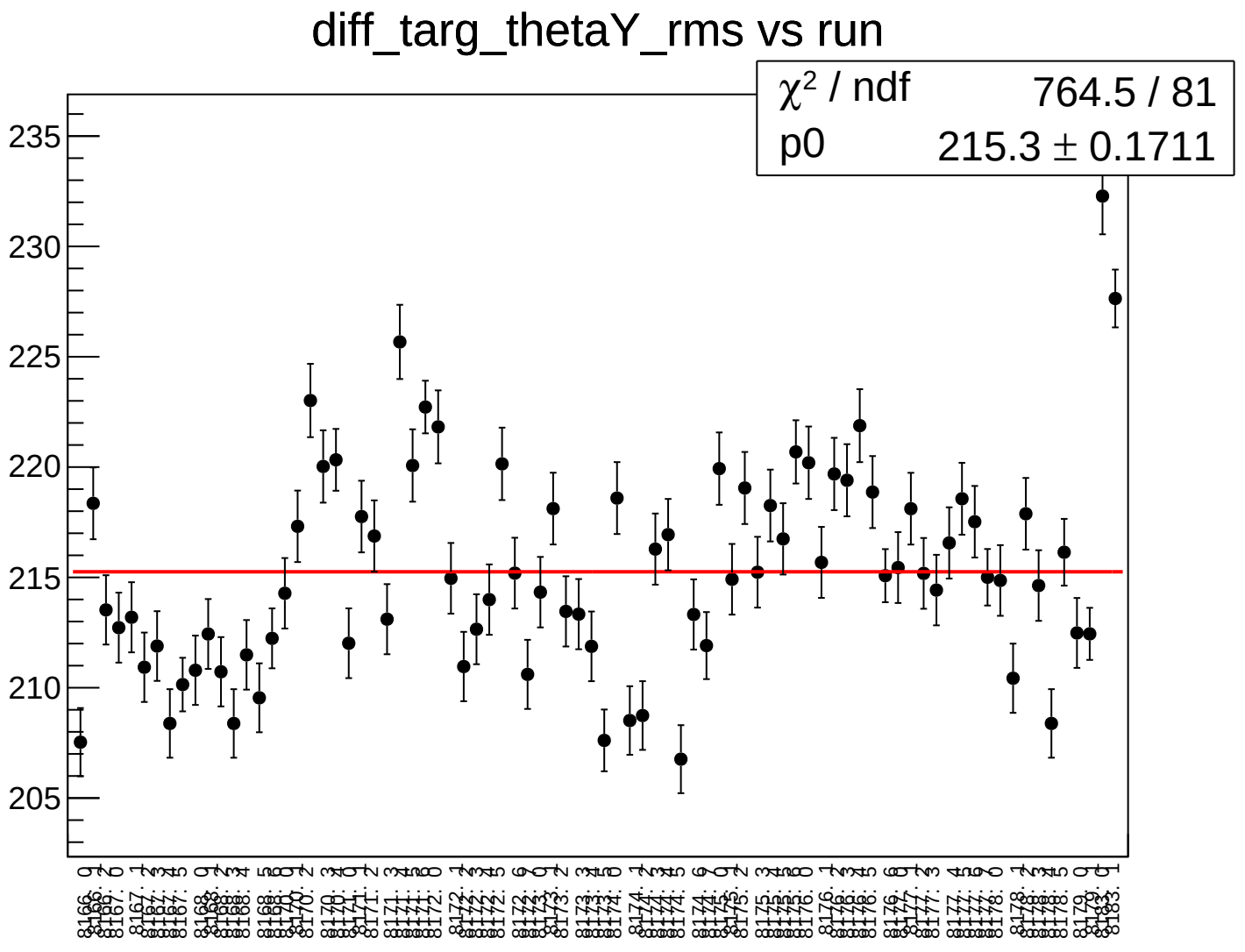

diff_targ_thetaX_mean vs run
χ² / ndf 92.4 / 81
p0 0.4408 ± 0.3778
pull
Entries 82
Mean −180.3
Std Dev 0

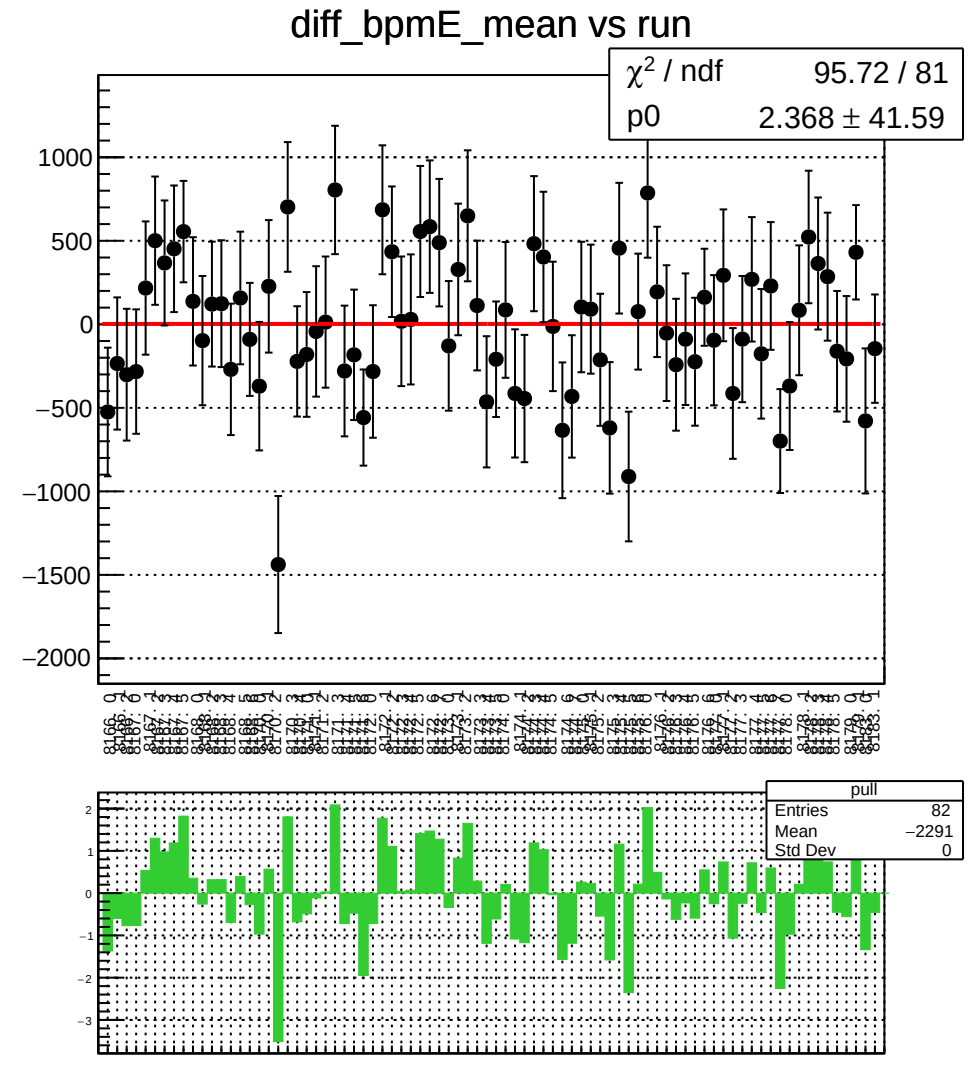

pull1D
Entries 82
Mean 0.0064
Std Dev 1.061

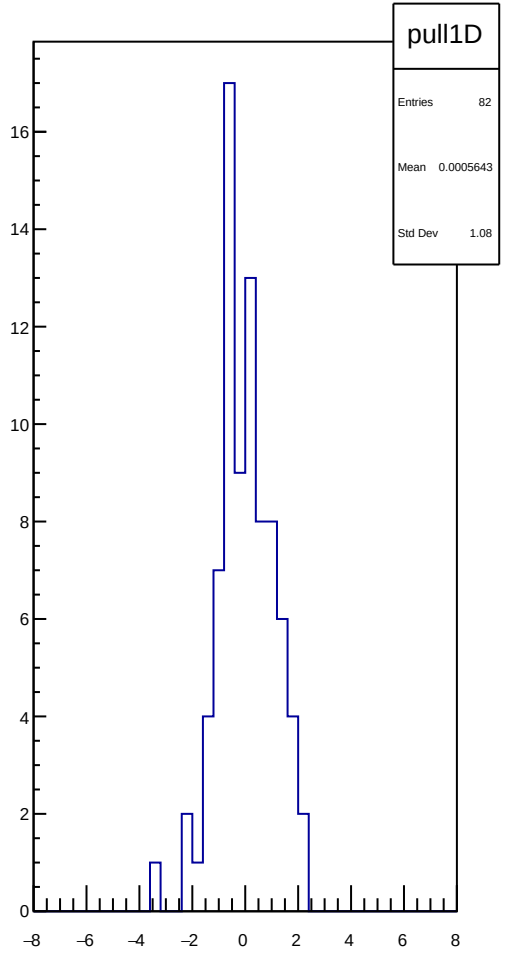

diff_targ_thetaX_rms vs run
χ² / ndf 2087 / 81
p0 335.9 ± 0.2671
380
370
360
350
340
330
320
310

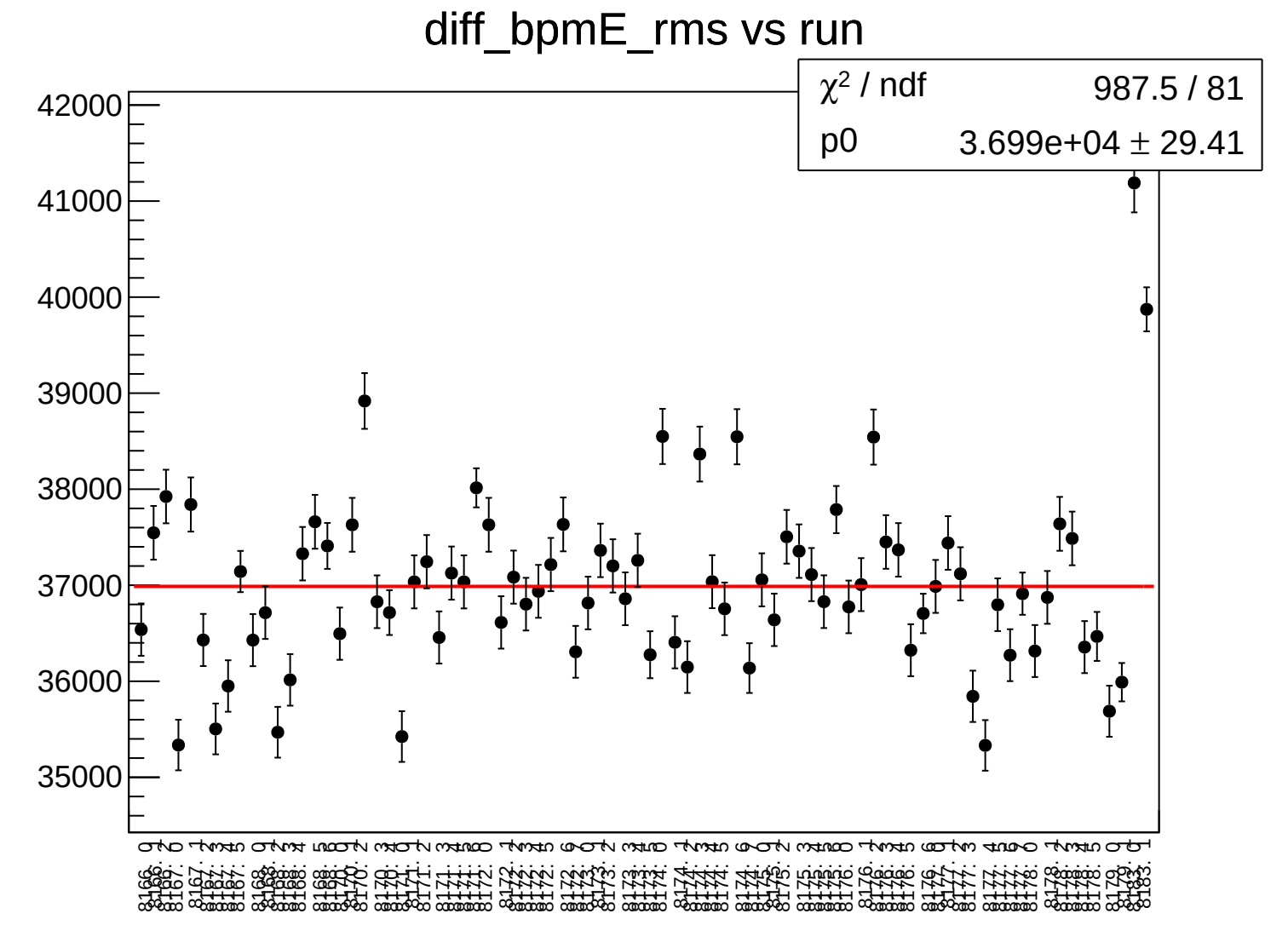

diff_targ_thetaY_mean vs run
χ² / ndf 63.73 / 81
p0 0.2524 ± 0.242
pull
Entries 82
Mean 49.42
Std Dev 0

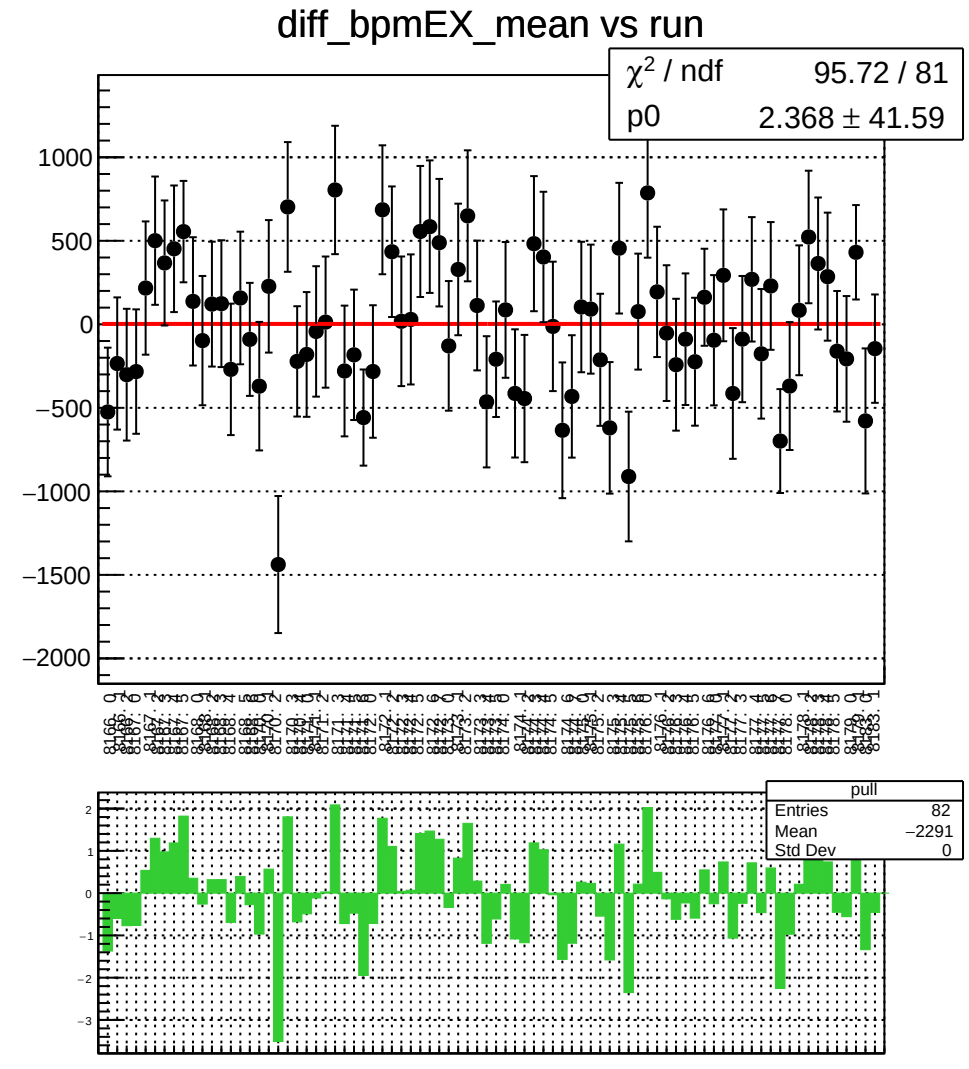

pull1D
Entries 82
Mean −0.006415
Std Dev 0.8815

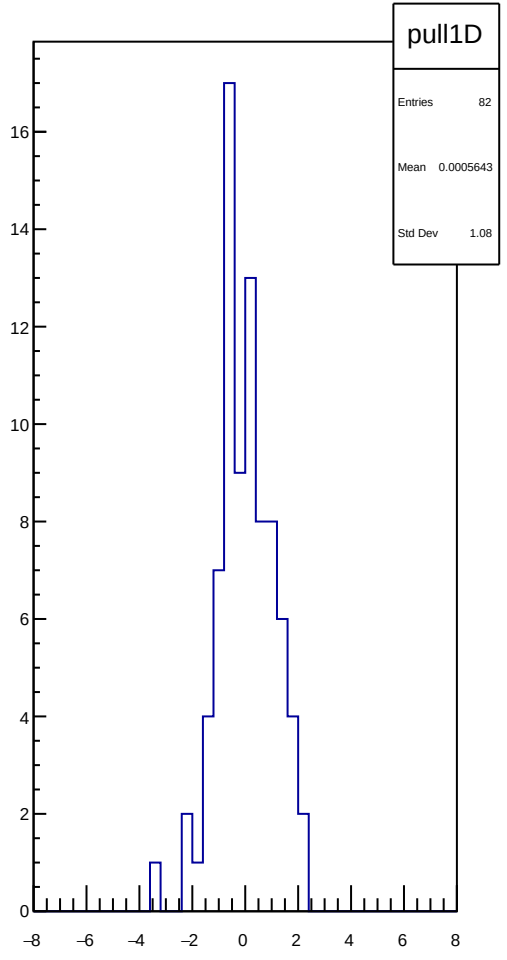

diff_targ_thetaY_rms vs run
χ² / ndf 764.5 / 81
p0 215.3 ± 0.1711
235
230
225
220
215
210
205

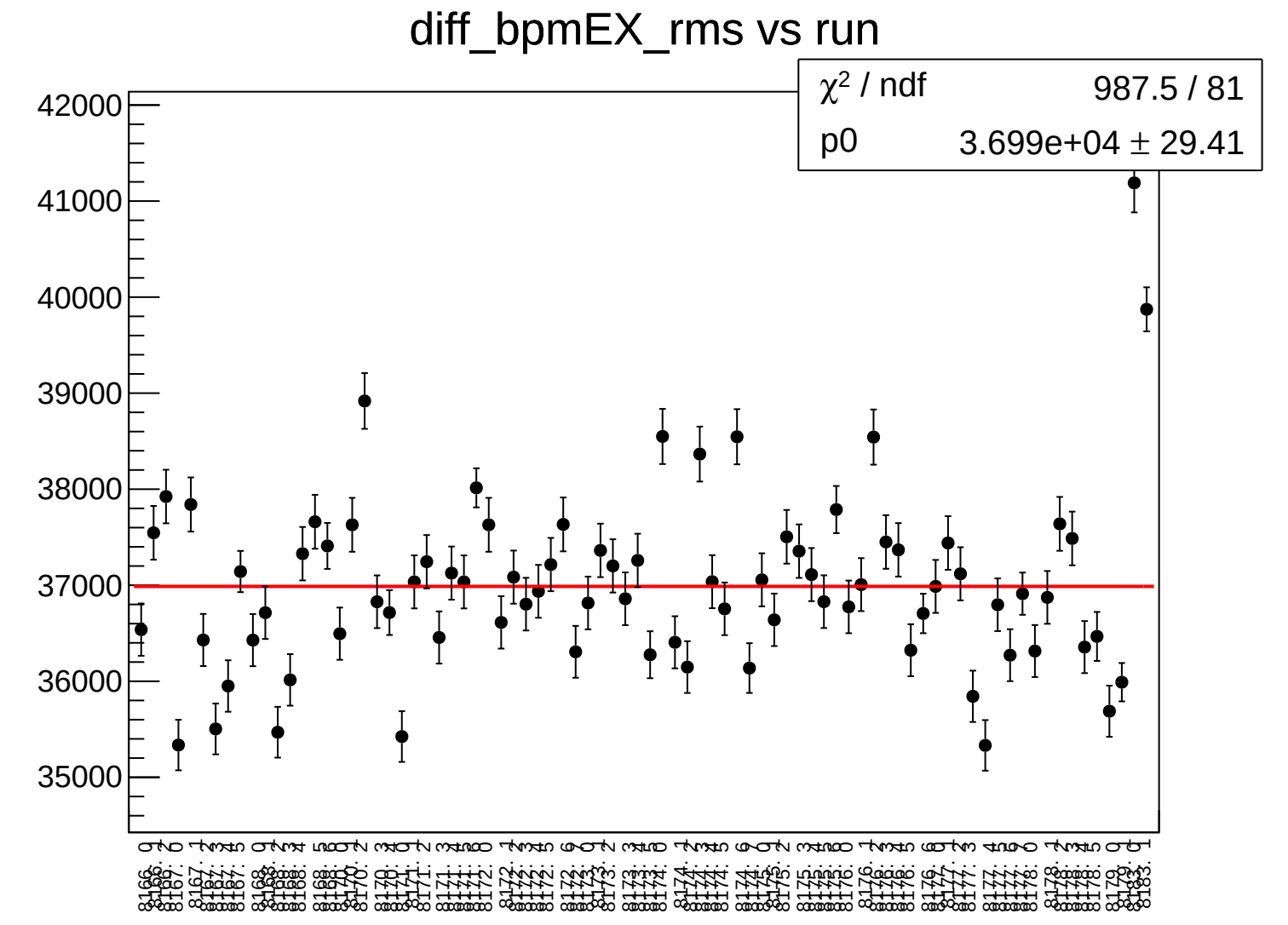

diff_bpmE_mean vs run
χ² / ndf 95.72 / 81
p0 2.368 ± 41.59
pull
Entries 82
Mean −2291
Std Dev 0

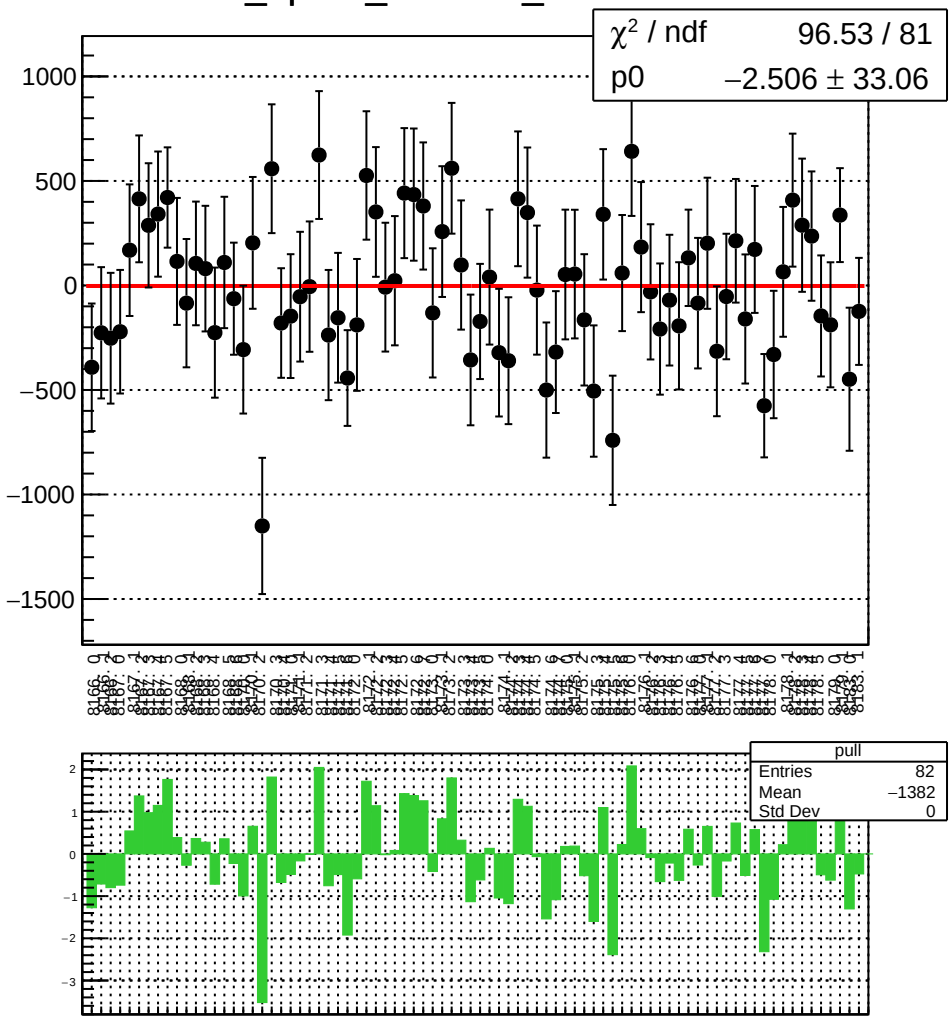

pull1D
Entries 82
Mean 0.0005643
Std Dev 1.08

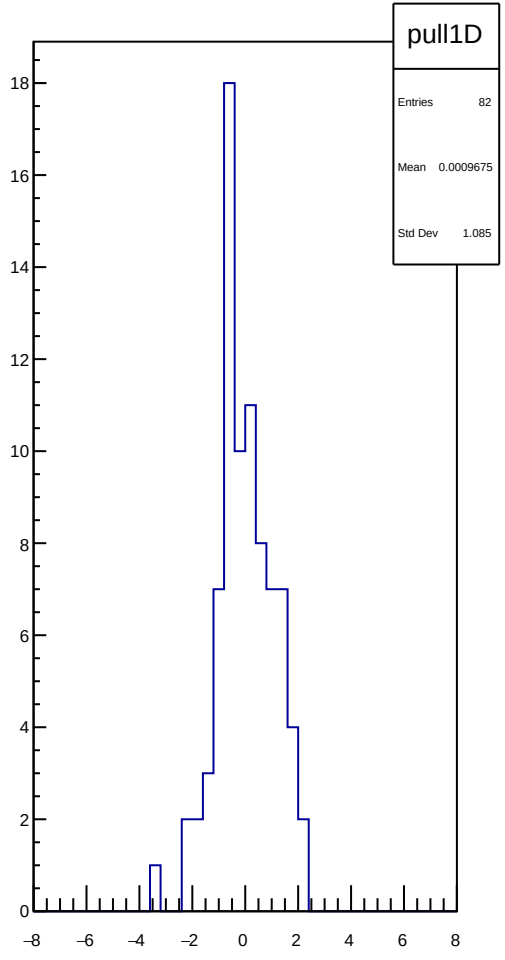

diff_bpmE_rms vs run
χ² / ndf 987.5 / 81
p0 3.699e+04 ± 29.41
42000
41000
40000
39000
38000
37000
36000
35000

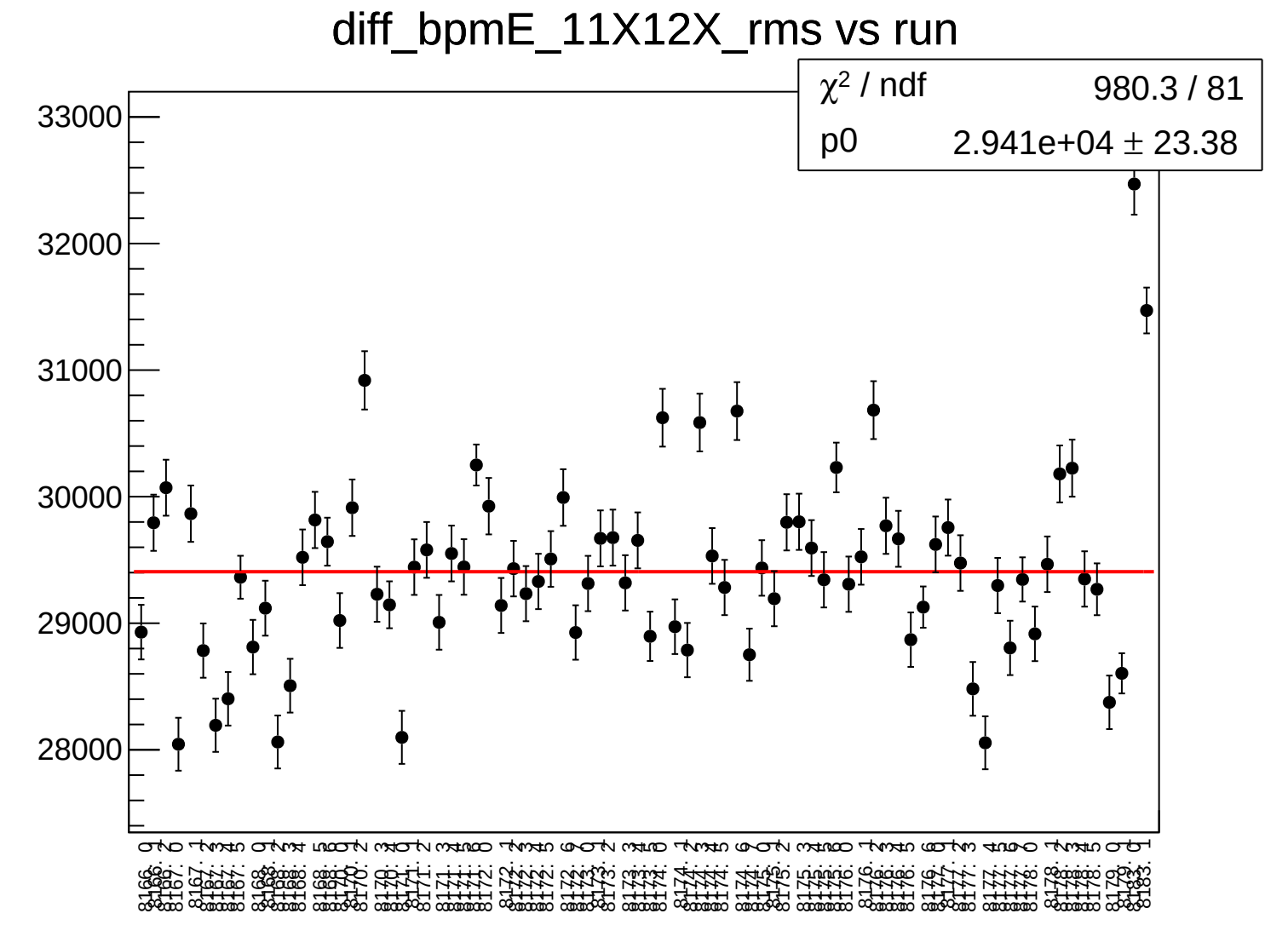

diff_bpmEX_mean vs run
χ² / ndf 95.72 / 81
p0 2.368 ± 41.59
pull
Entries 82
Mean −2291
Std Dev 0

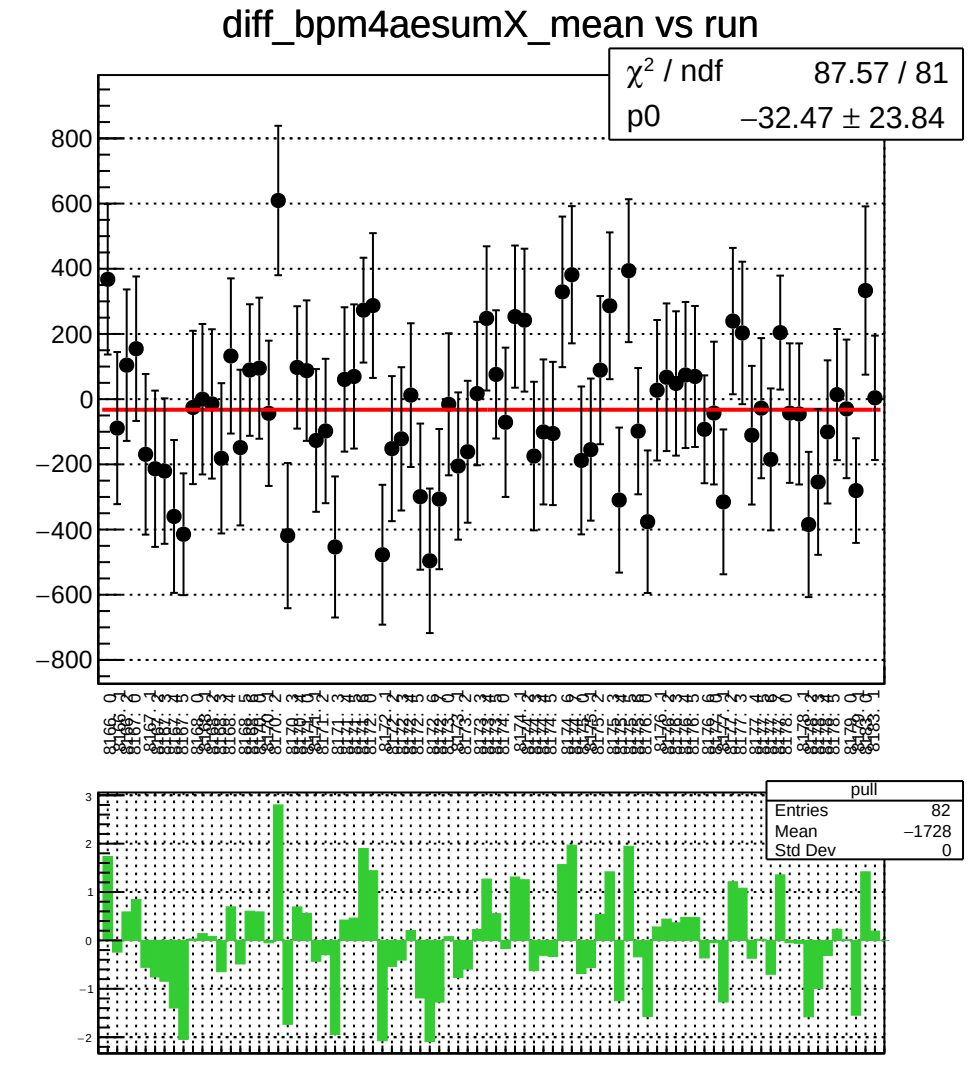

pull1D
Entries 82
Mean 0.0005643
Std Dev 1.08

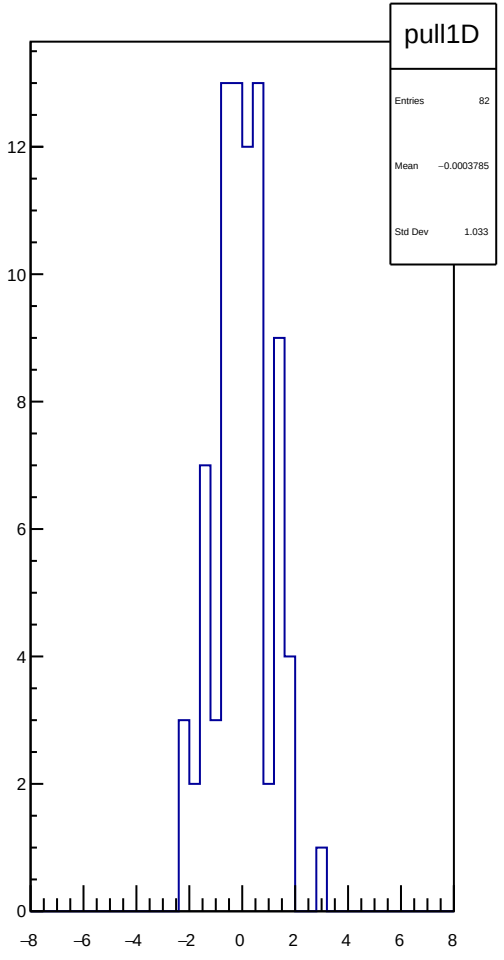

diff_bpmEX_rms vs run
χ² / ndf 987.5 / 81
p0 3.699e+04 ± 29.41
42000
41000
40000
39000
38000
37000
36000
35000

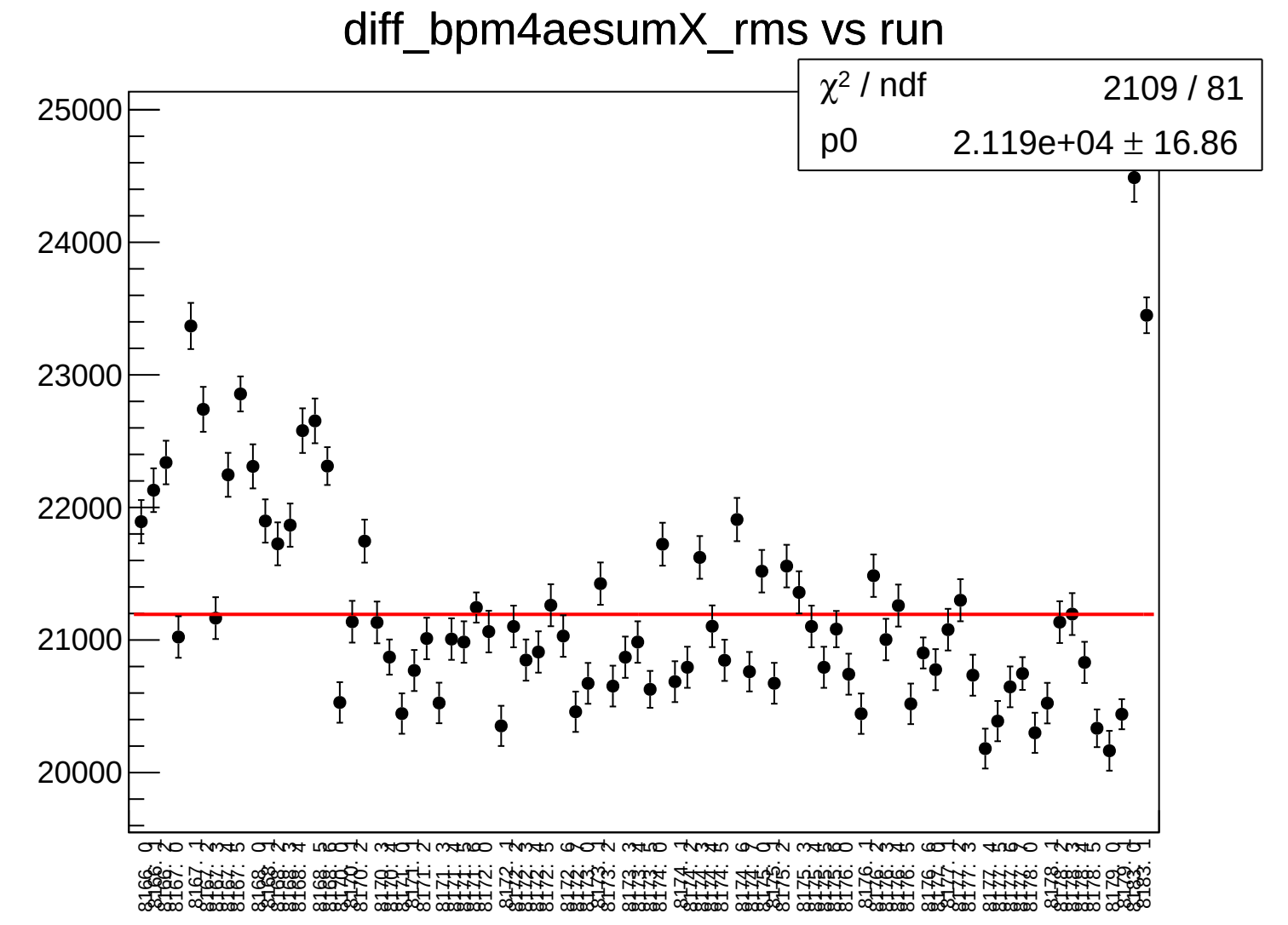

diff_bpmE_11X12X_mean vs run
χ² / ndf 96.53 / 81
p0 −2.506 ± 33.06
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean −1382
Std Dev 0
2
1
0
−1
−2
−3

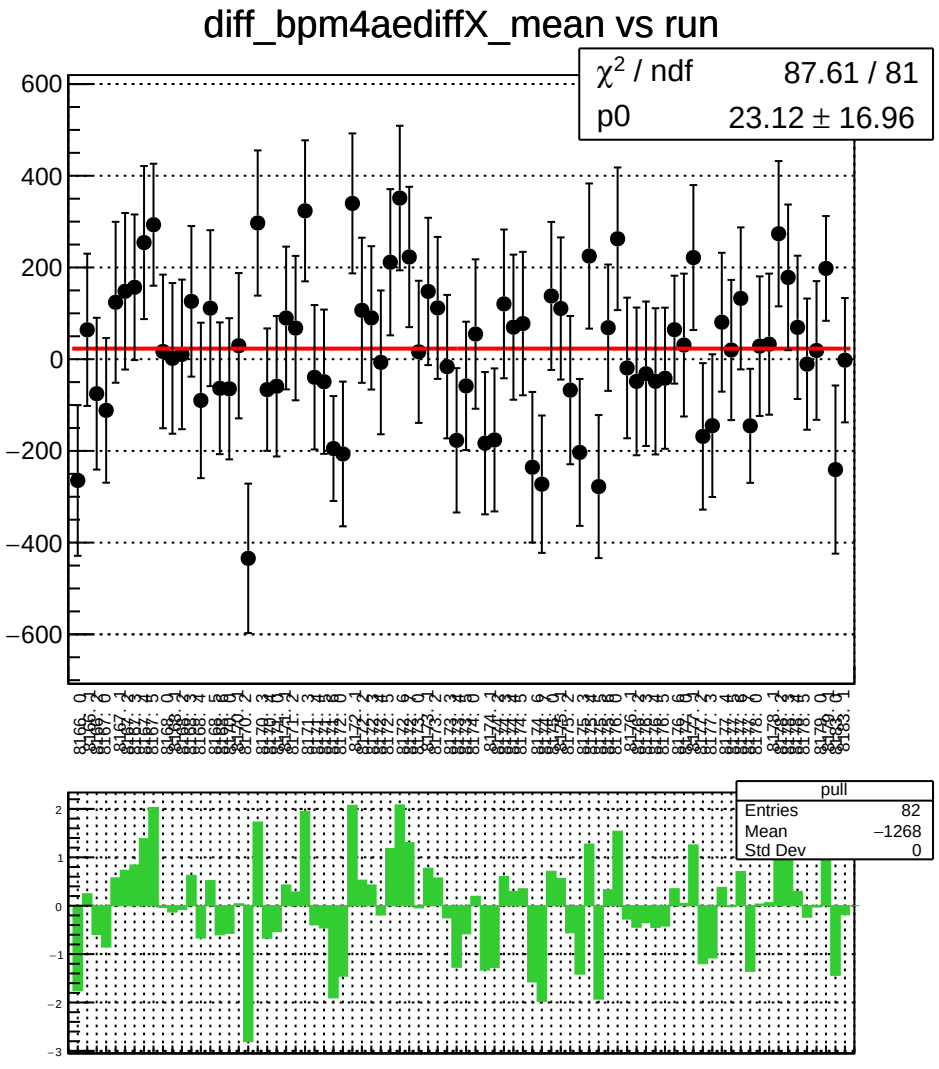

pull1D
Entries 82
Mean 0.0009675
Std Dev 1.085
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

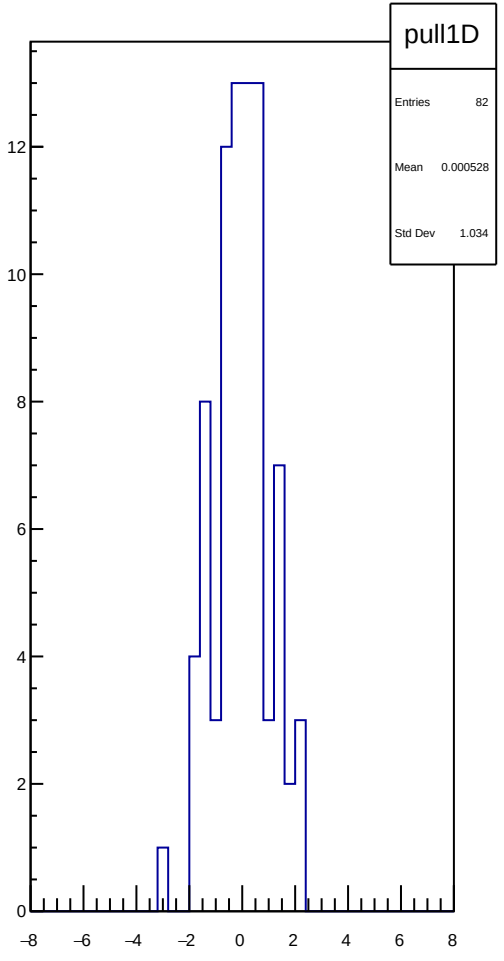

diff_bpmE_11X12X_rms vs run
χ² / ndf 980.3 / 81
p0 2.941e+04 ± 23.38
33000
32000
31000
30000
29000
28000

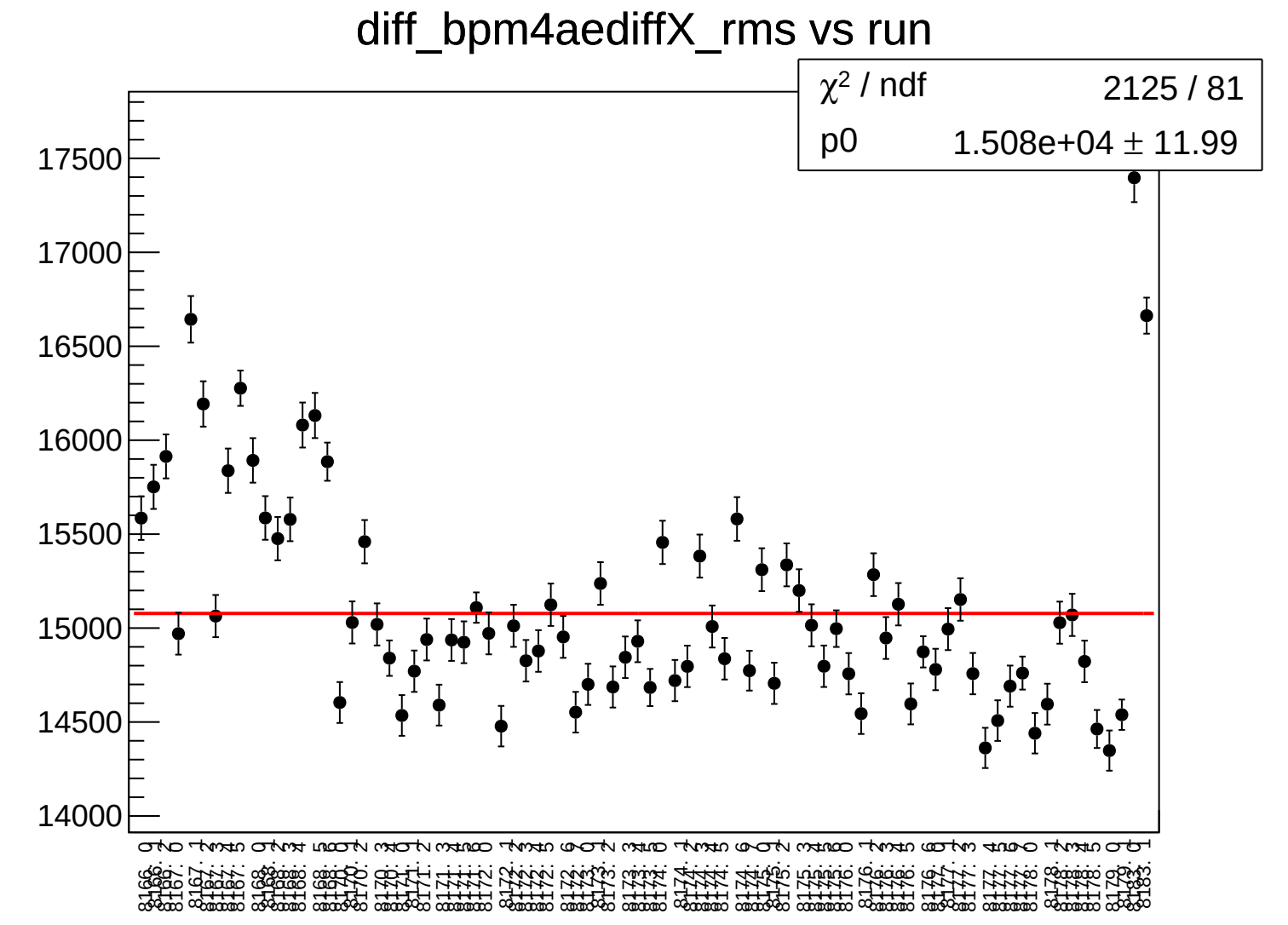

diff_bpm4aesumX_mean vs run
χ² / ndf 87.57 / 81
p0 −32.47 ± 23.84
pull
Entries 82
Mean −1728
Std Dev 0

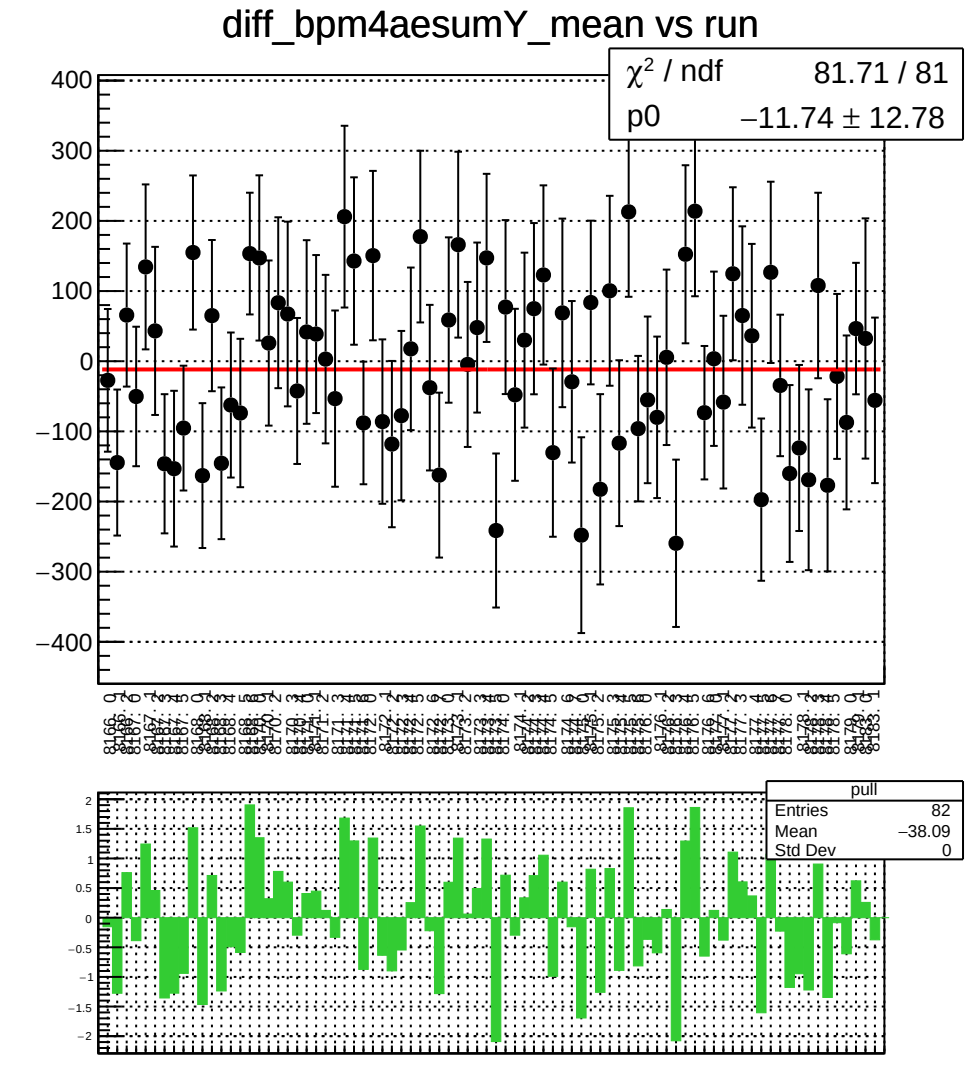

pull1D
Entries 82
Mean −0.0003785
Std Dev 1.033

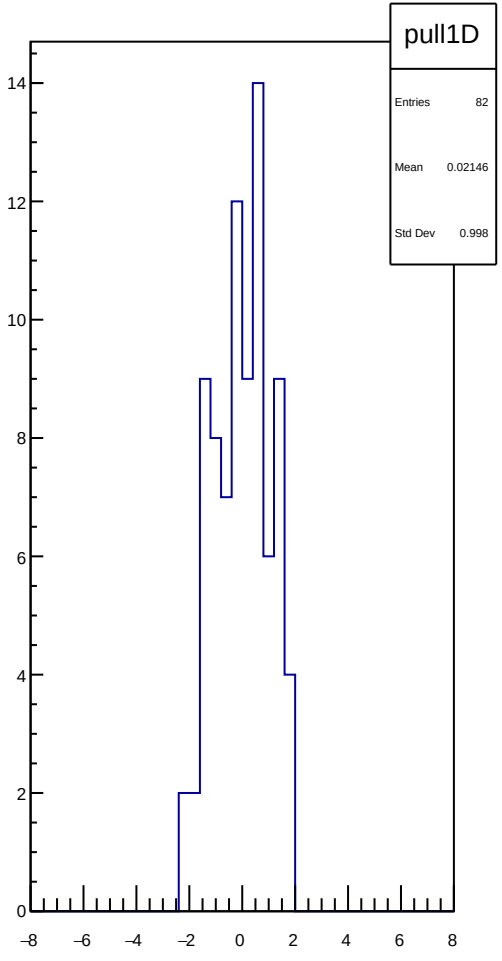

diff_bpm4aesumX_rms vs run
χ² / ndf 2109 / 81
p0 2.119e+04 ± 16.86
25000
24000
23000
22000
21000
20000


diff_bpm4aediffX_mean vs run
χ² / ndf 87.61 / 81
p0 23.12 ± 16.96
pull
Entries 82
Mean −1268
Std Dev 0

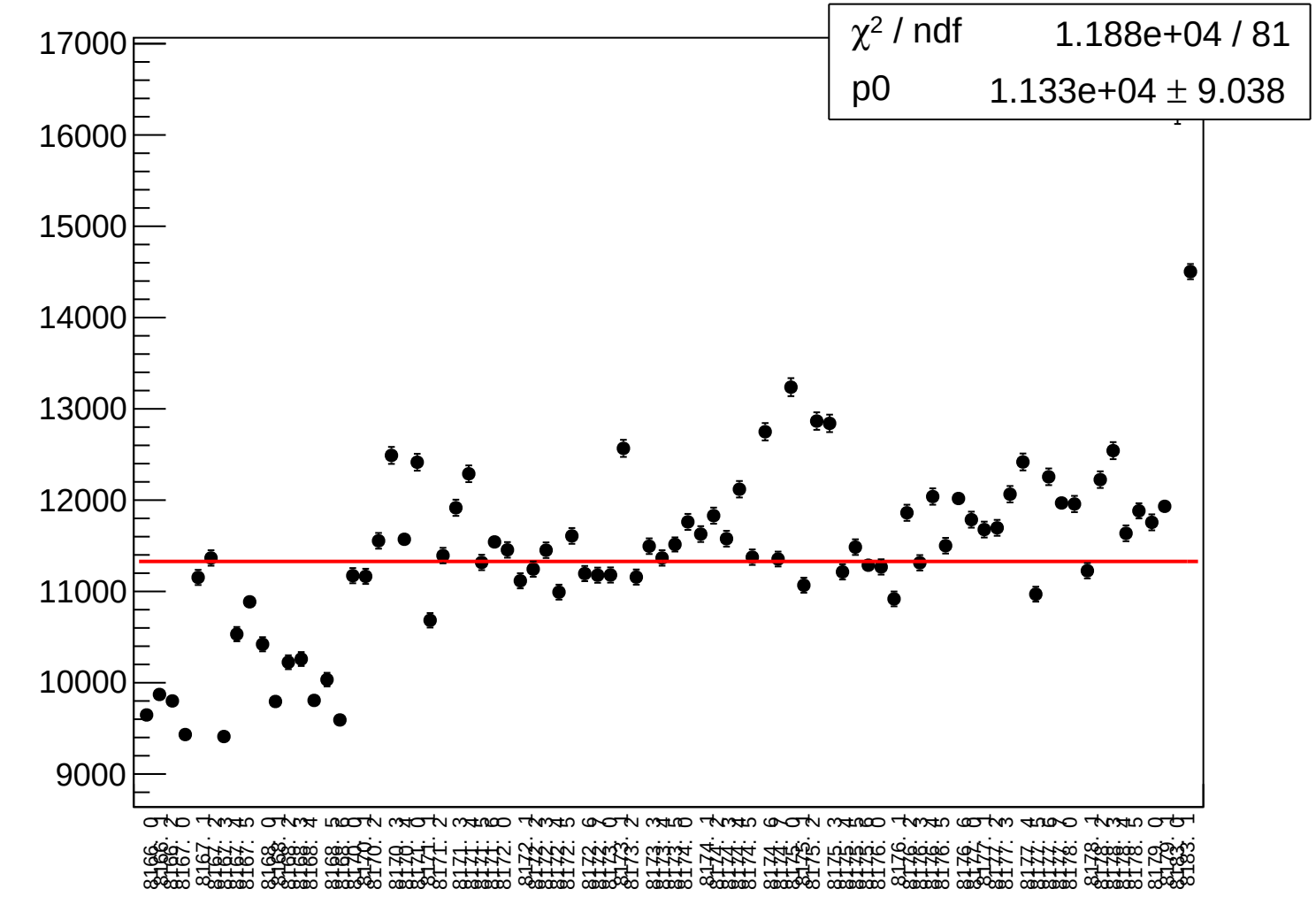

pull1D
Entries 82
Mean 0.000528
Std Dev 1.034

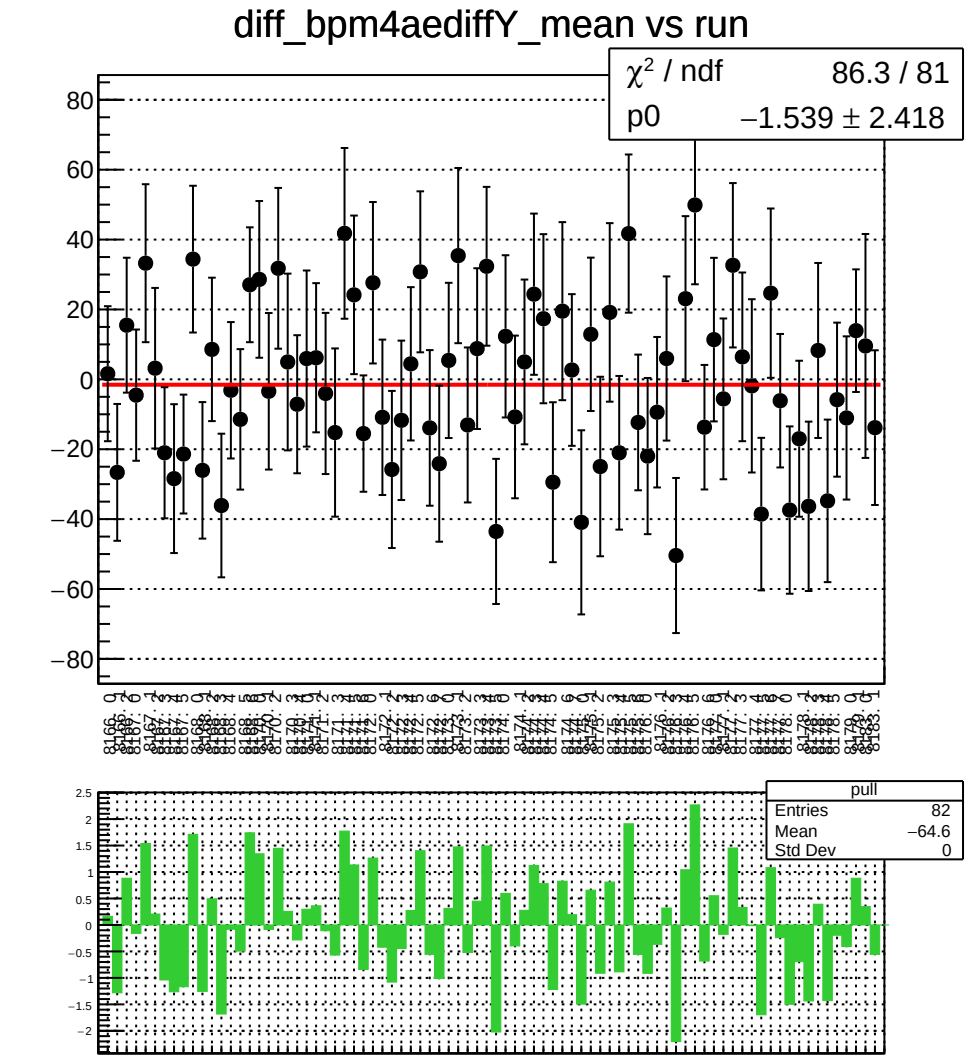

diff_bpm4aediffX_rms vs run
χ² / ndf 2125 / 81
p0 1.508e+04 ± 11.99
17500
17000
16500
16000
15500
15000
14500
14000

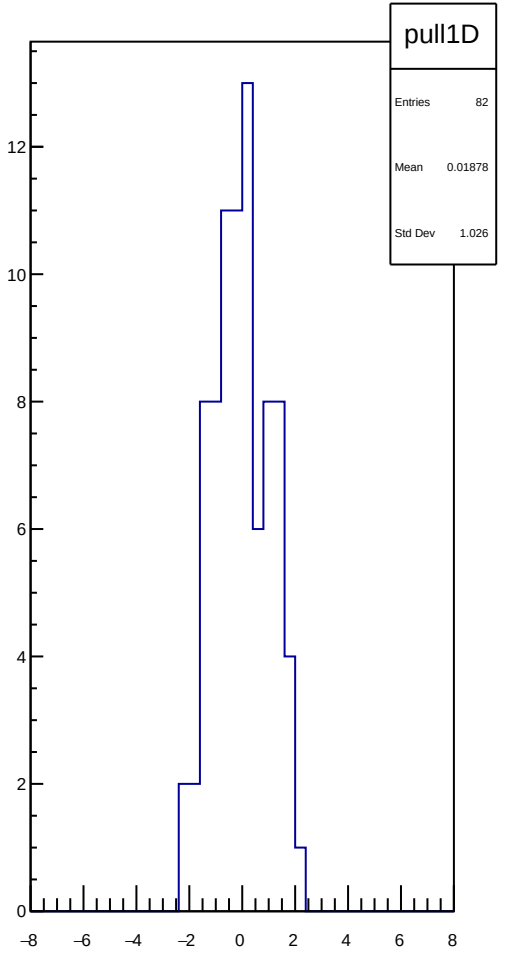

diff_bpm4aesumY_mean vs run
χ² / ndf 81.71 / 81
p0 −11.74 ± 12.78
pull
Entries 82
Mean −38.09
Std Dev 0

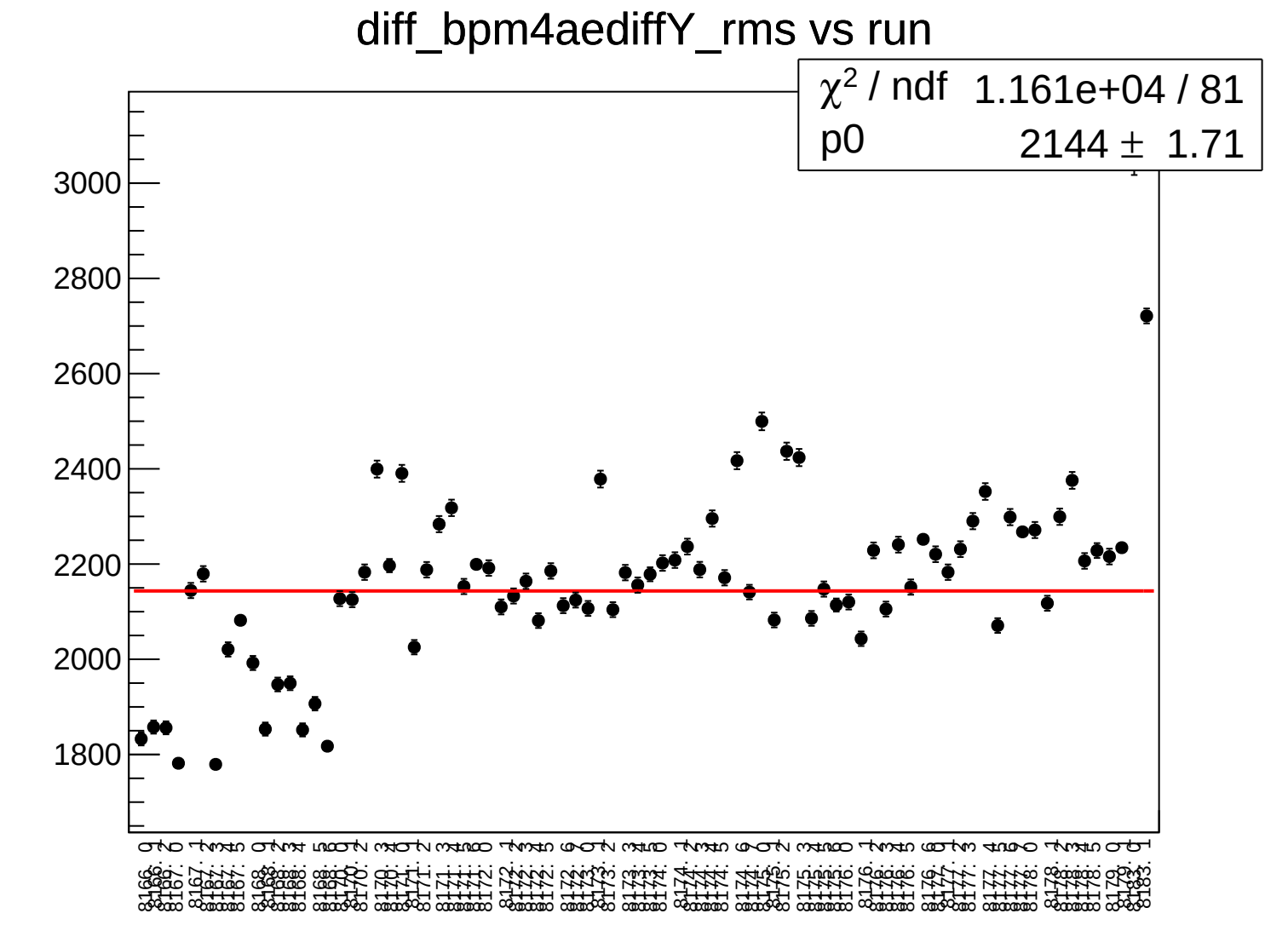

pull1D
Entries 82
Mean 0.02146
Std Dev 0.998

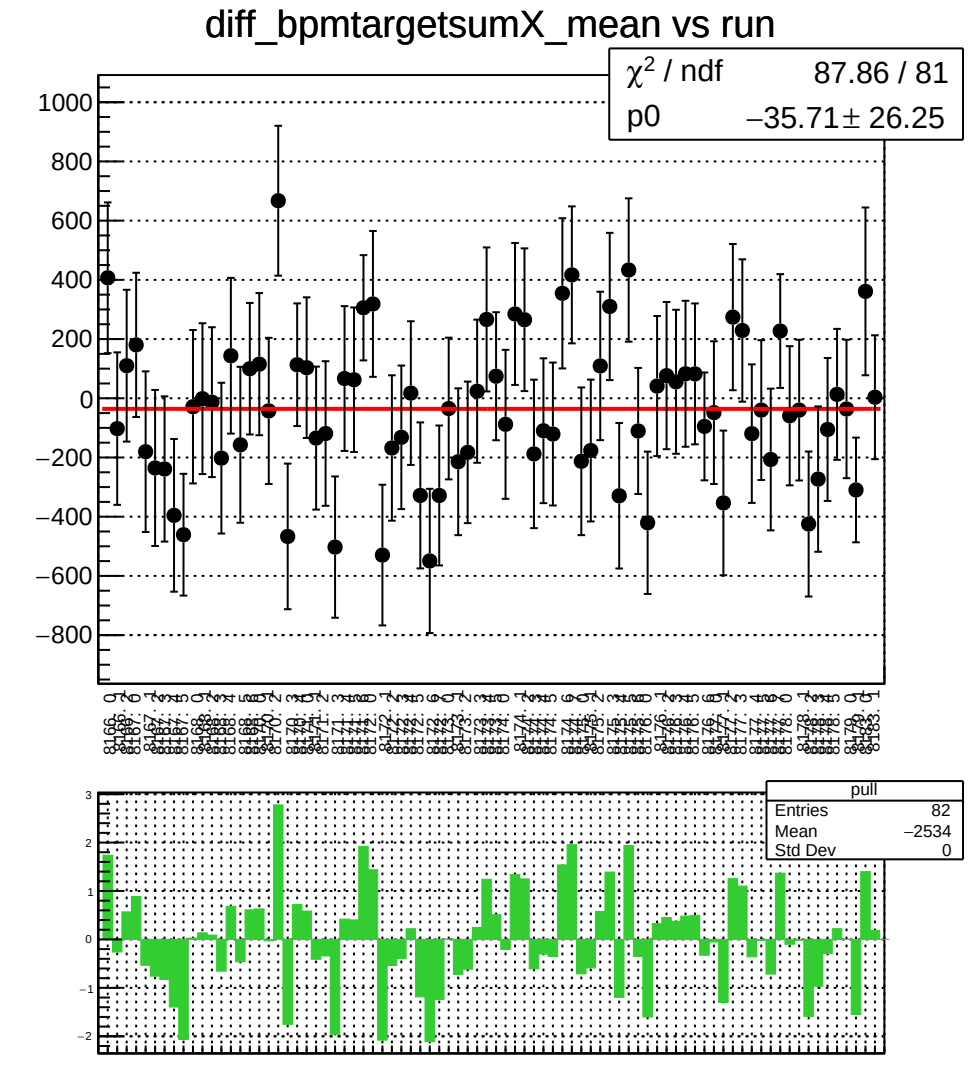
diff_bpm4aesumY_rms vs run

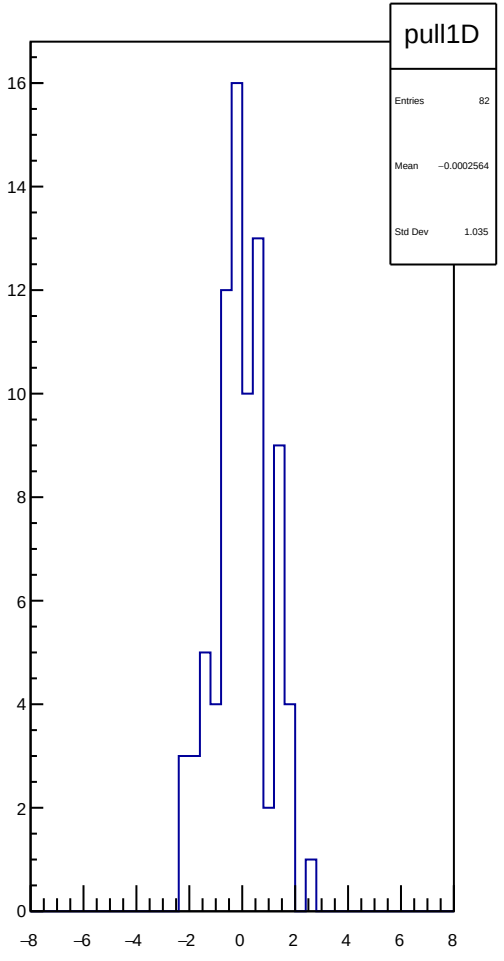



diff_bpm4aediffY_mean vs run
χ² / ndf 86.3 / 81
p0 −1.539 ± 2.418
pull
Entries 82
Mean −64.6
Std Dev 0

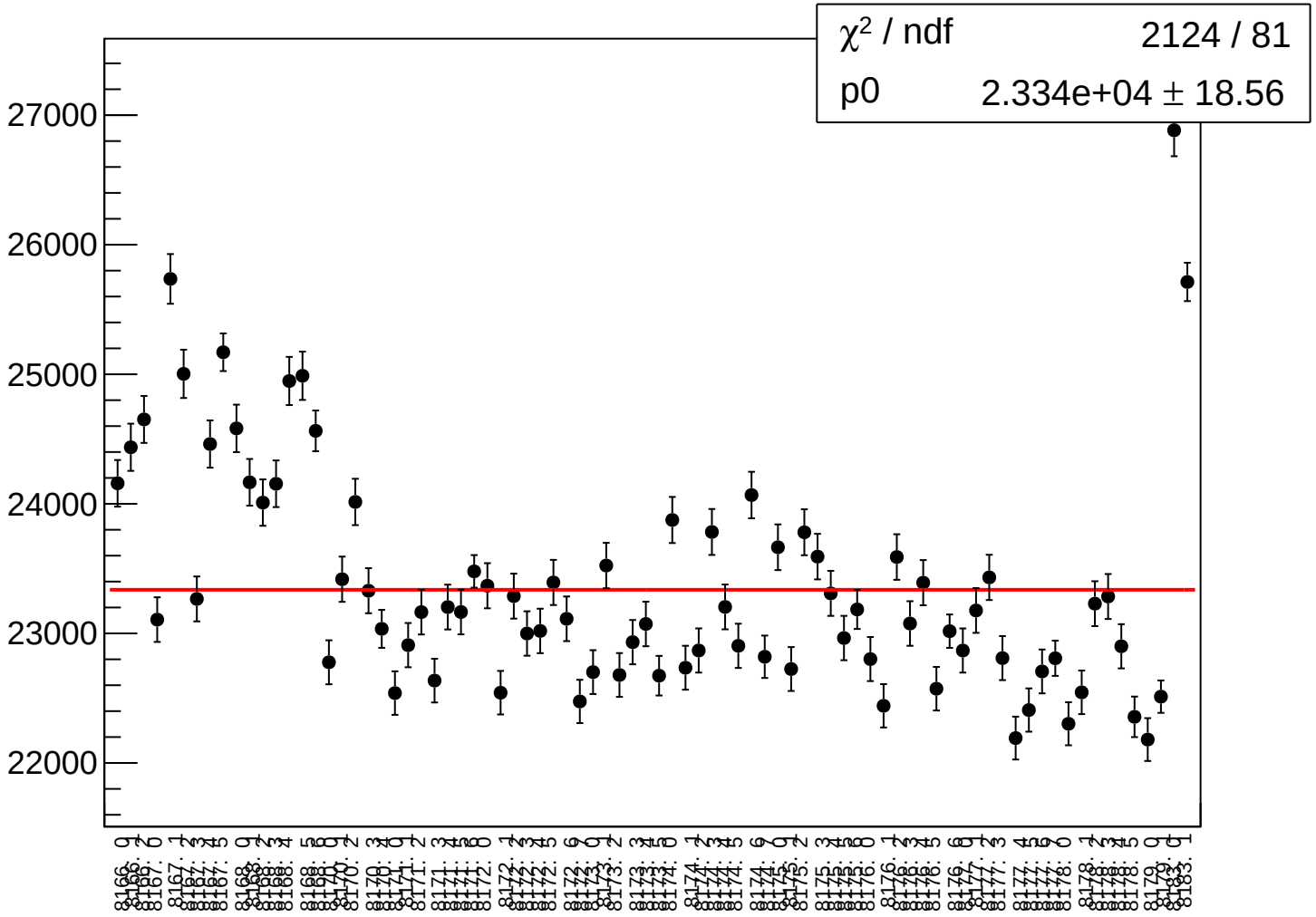

pull1D
Entries 82
Mean 0.01878
Std Dev 1.026

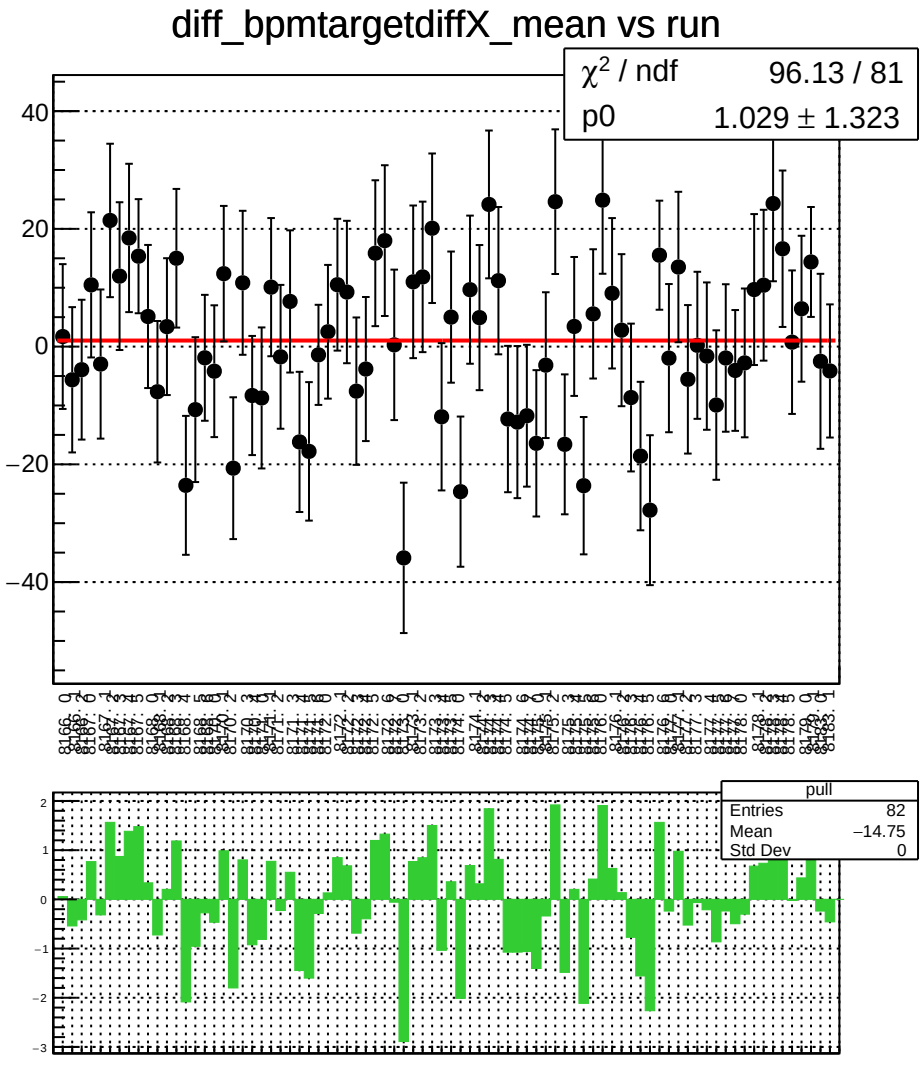

diff_bpm4aediffY_rms vs run
χ² / ndf 1.161e+04 / 81
p0 2144 ± 1.71
3000
2800
2600
2400
2200
2000
1800

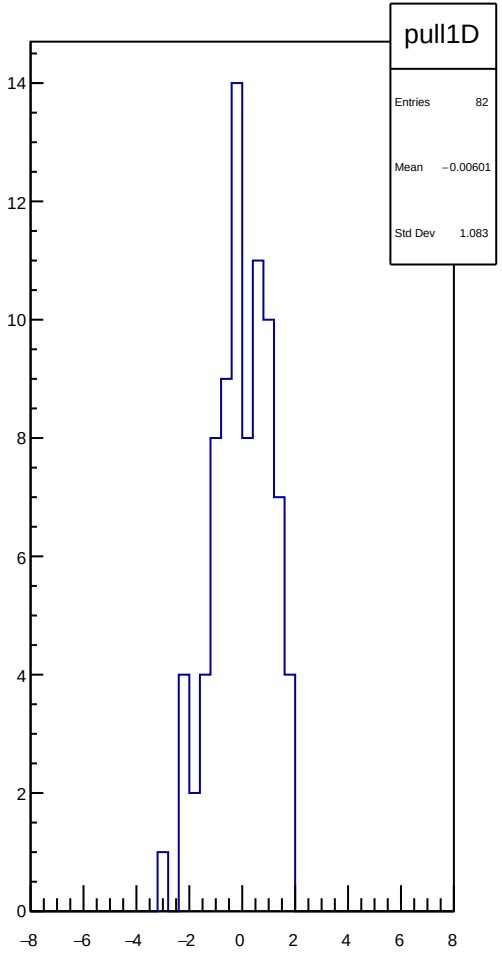

diff_bpmtargetsumX_mean vs run
χ² / ndf 87.86 / 81
p0 −35.71 ± 26.25
pull
Entries 82
Mean −2534
Std Dev 0

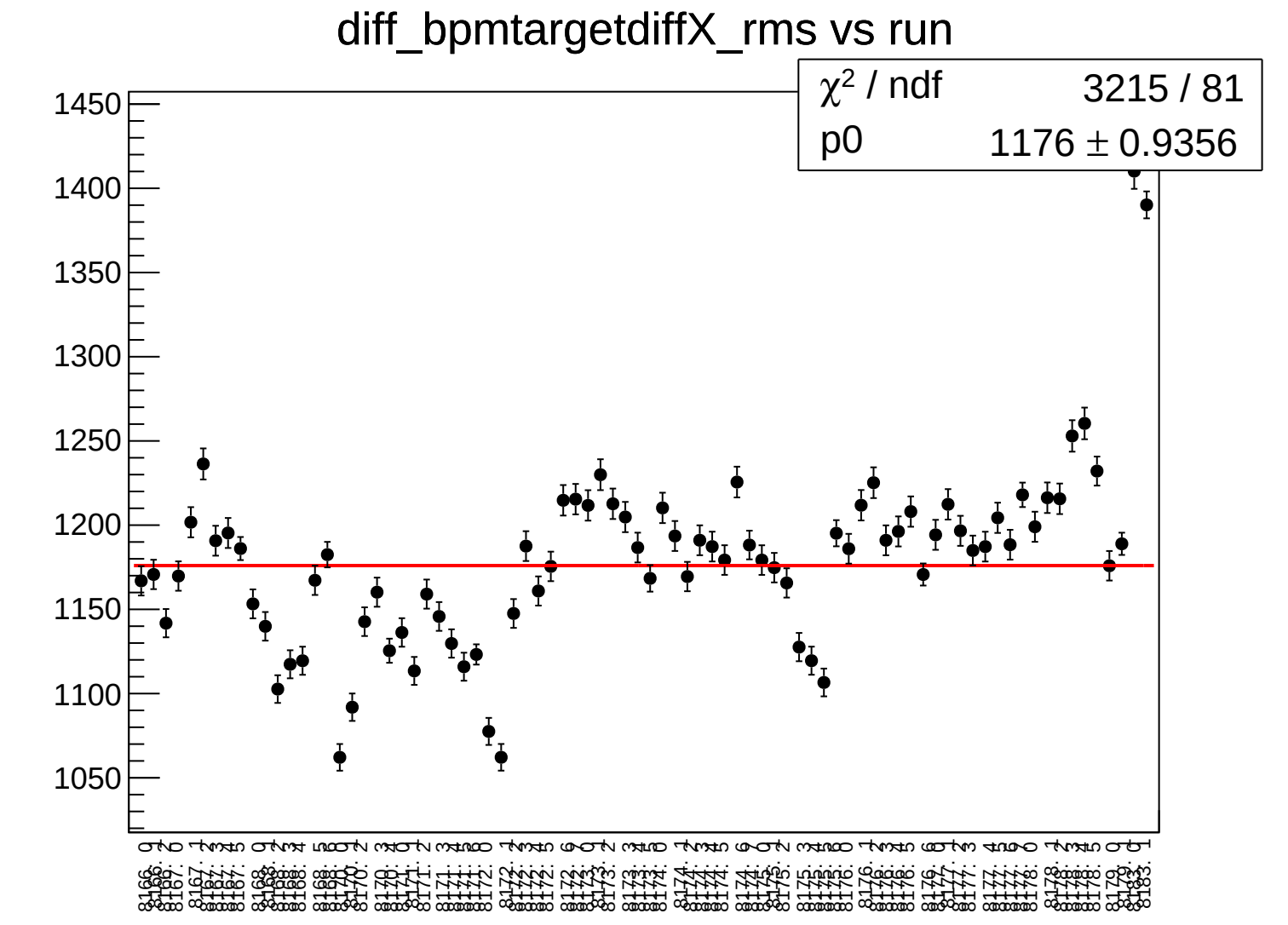

pull1D
Entries 82
Mean −0.0002564
Std Dev 1.035

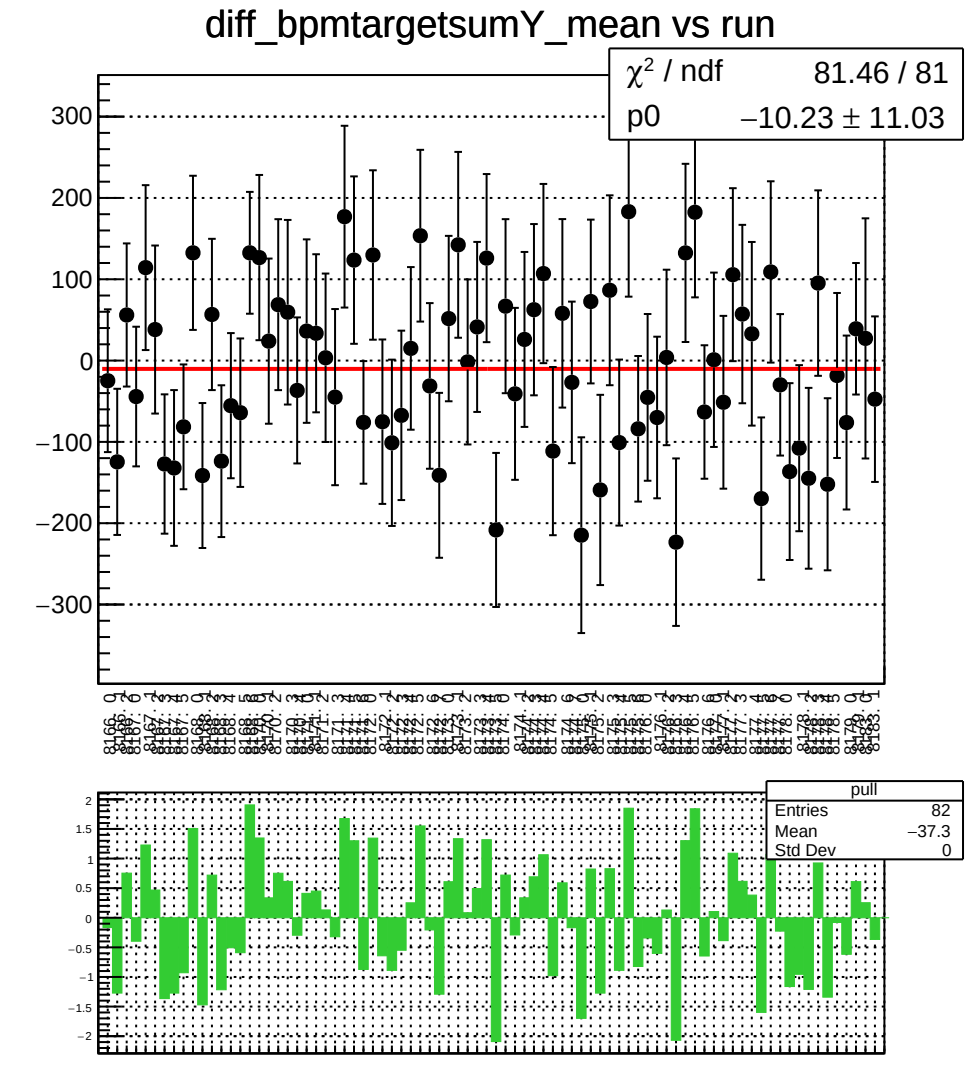
diff_bpmtargetsumX_rms vs run

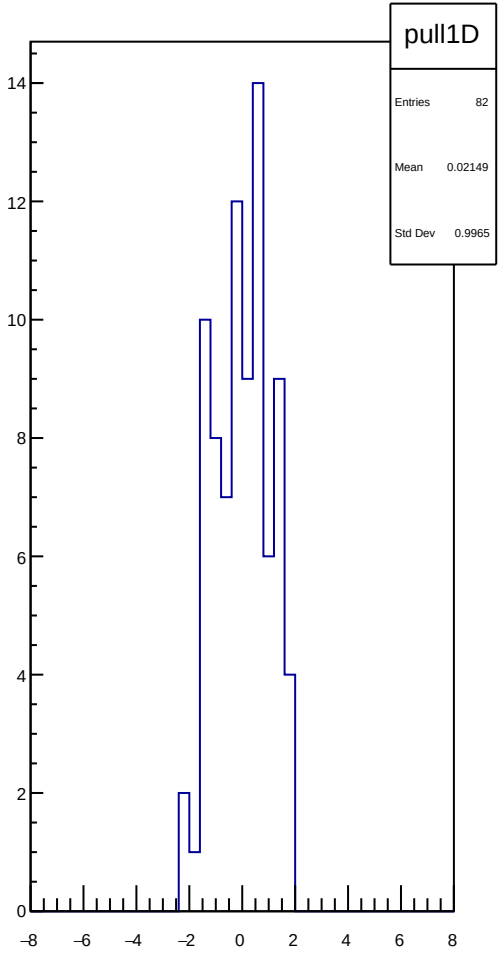


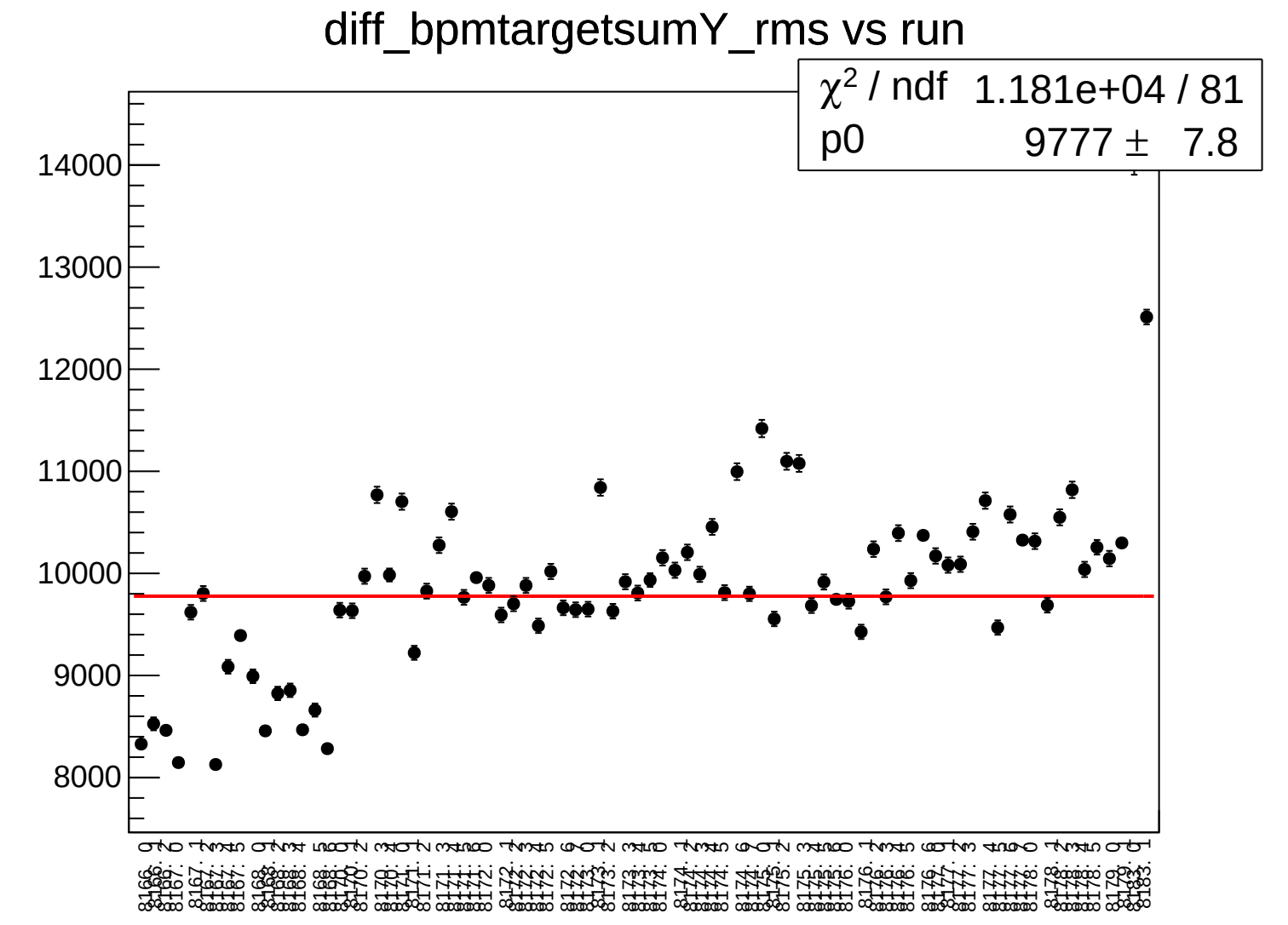

diff_bpmtargetdiffX_mean vs run
χ² / ndf 96.13 / 81
p0 1.029 ± 1.323
pull
Entries 82
Mean −14.75
Std Dev 0

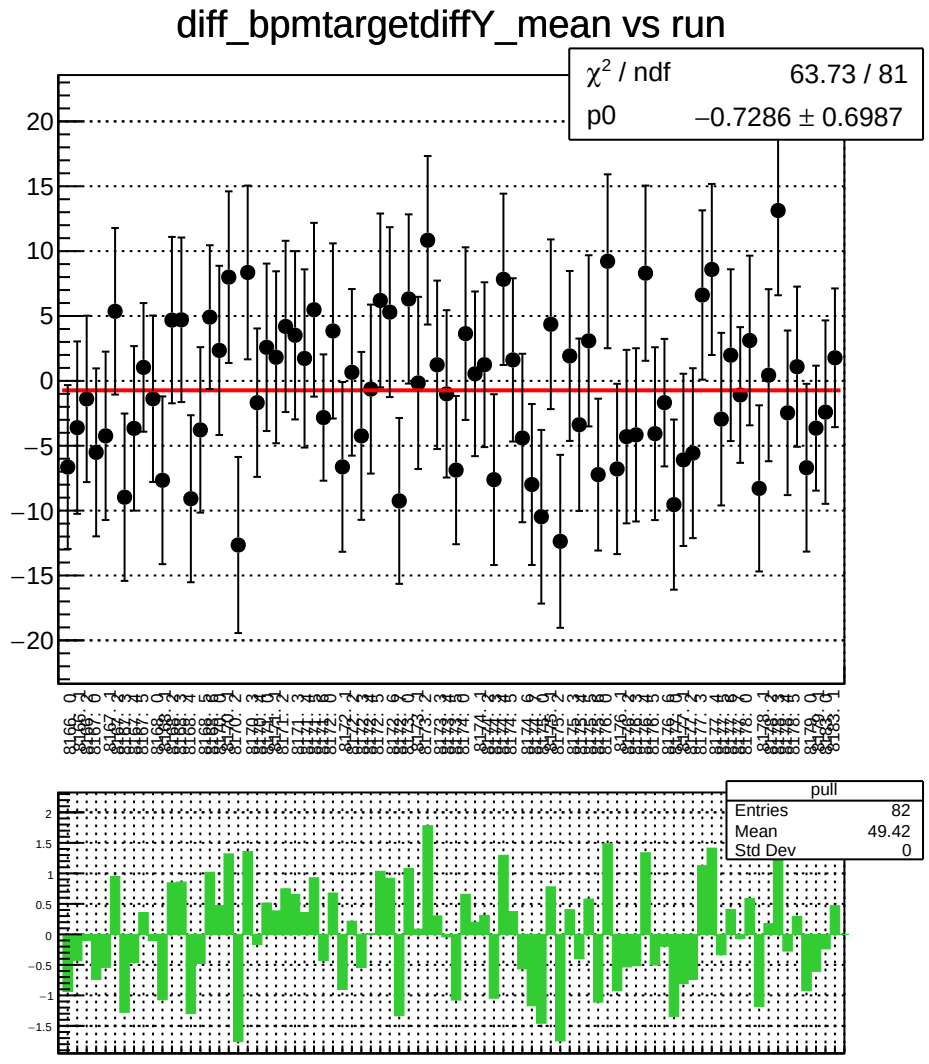

pull1D
Entries 82
Mean −0.00601
Std Dev 1.083

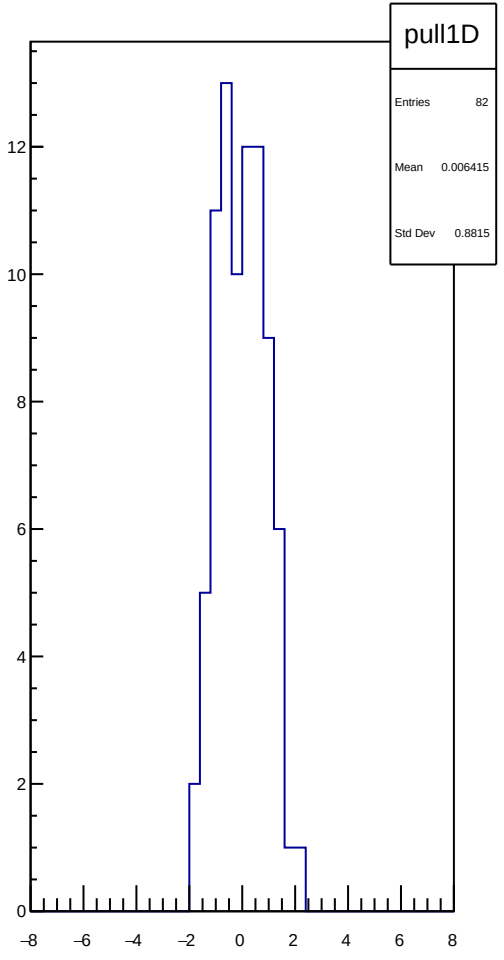

diff_bpmtargetdiffX_rms vs run
χ² / ndf 3215 / 81
p0 1176 ± 0.9356
1450
1400
1350
1300
1250
1200
1150
1100
1050

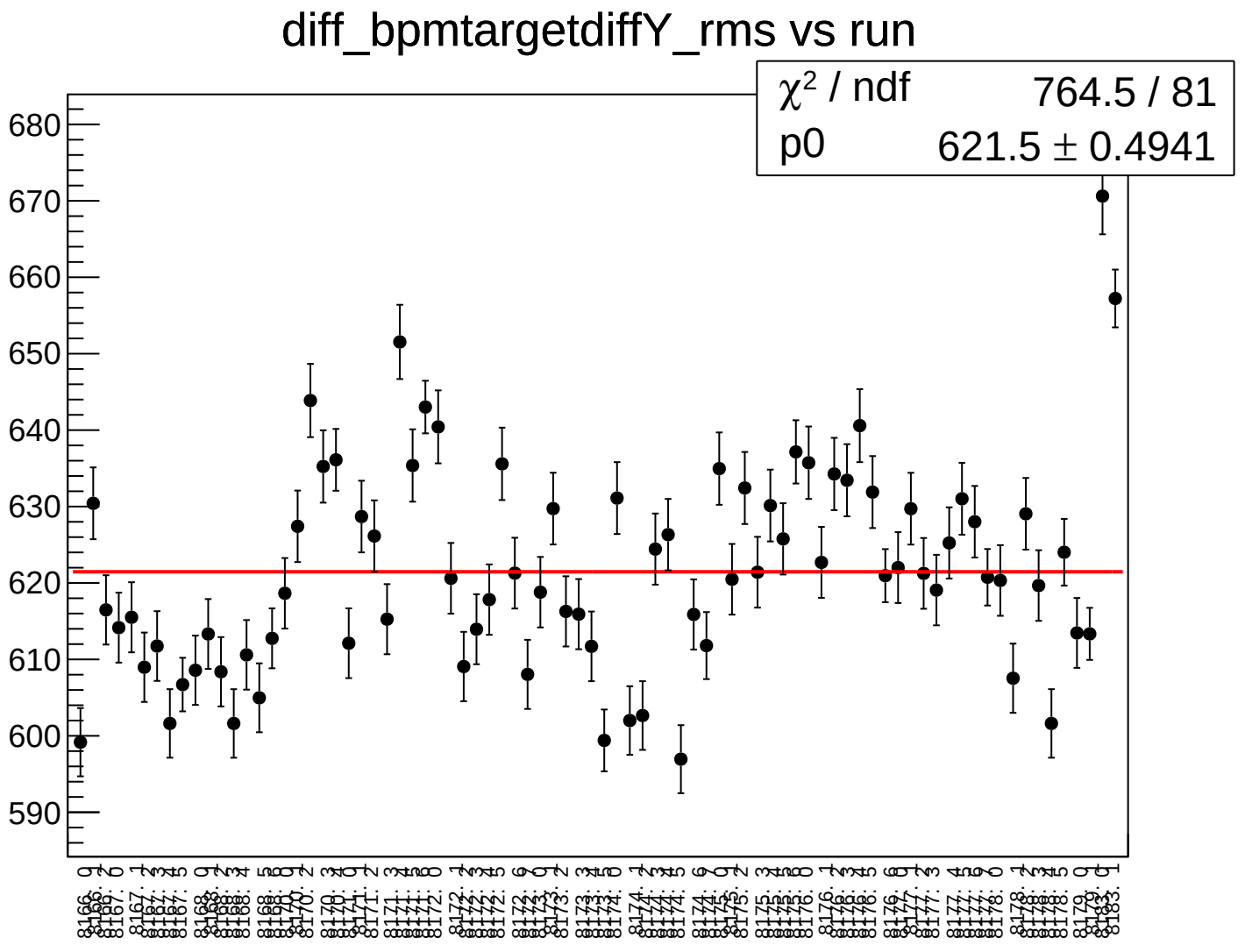

diff_bpmtargetsumY_mean vs run
χ² / ndf 81.46 / 81
p0 −10.23 ± 11.03
pull
Entries 82
Mean −37.3
Std Dev 0

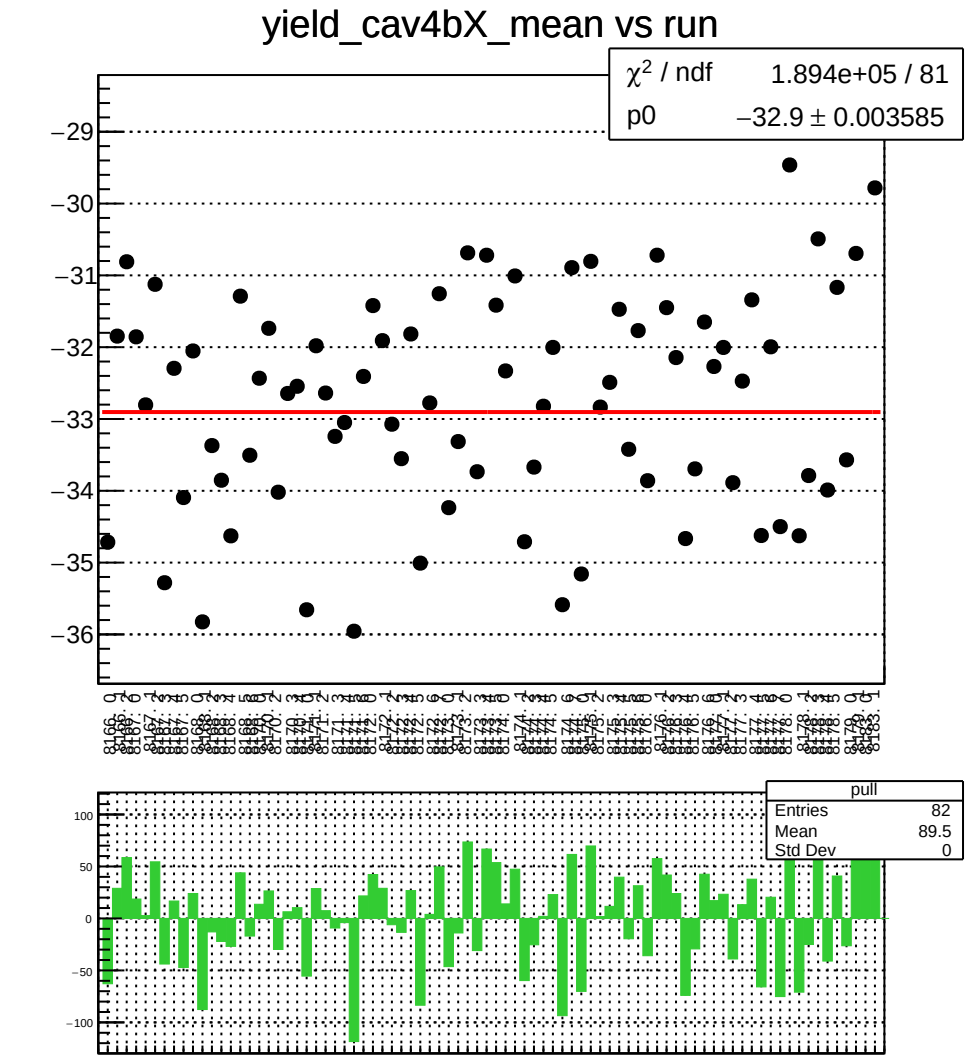

pull1D
Entries 82
Mean 0.02149
Std Dev 0.9965

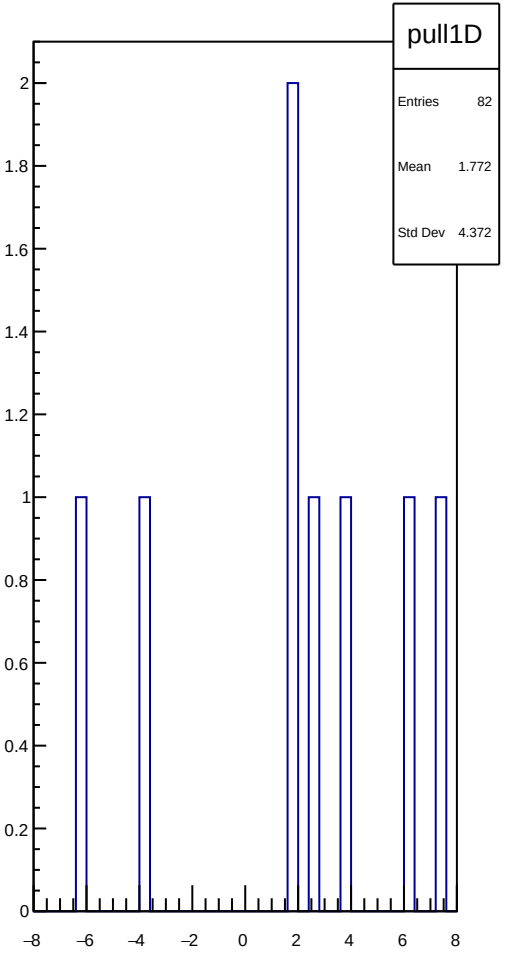

diff_bpmtargetsumY_rms vs run
χ² / ndf 1.181e+04 / 81
p0 9777 ± 7.8
14000
13000
12000
11000
10000
9000
8000

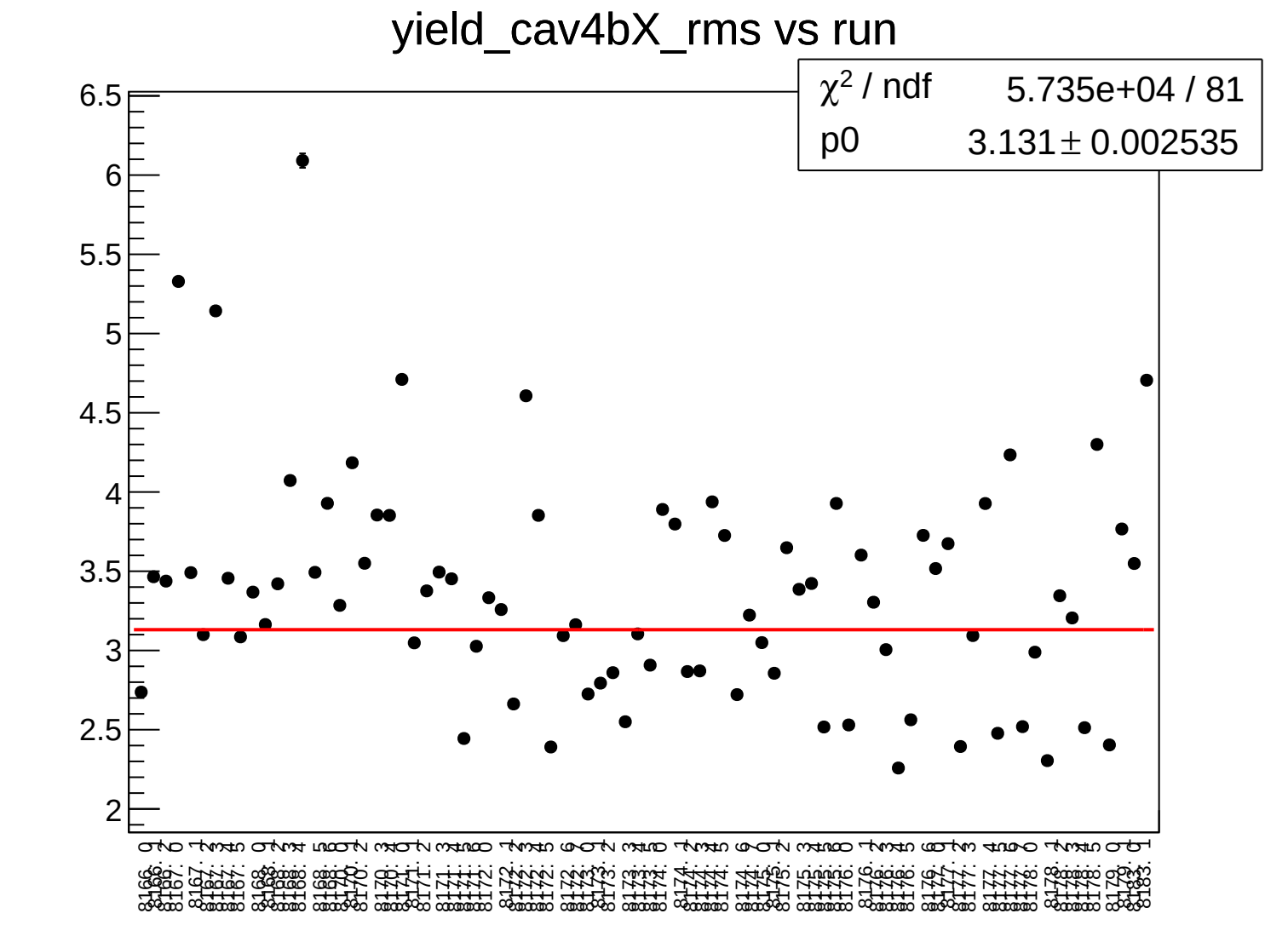

diff_bpmtargetdiffY_mean vs run
χ² / ndf 63.73 / 81
p0 −0.7286 ± 0.6987
pull
Entries 82
Mean 49.42
Std Dev 0

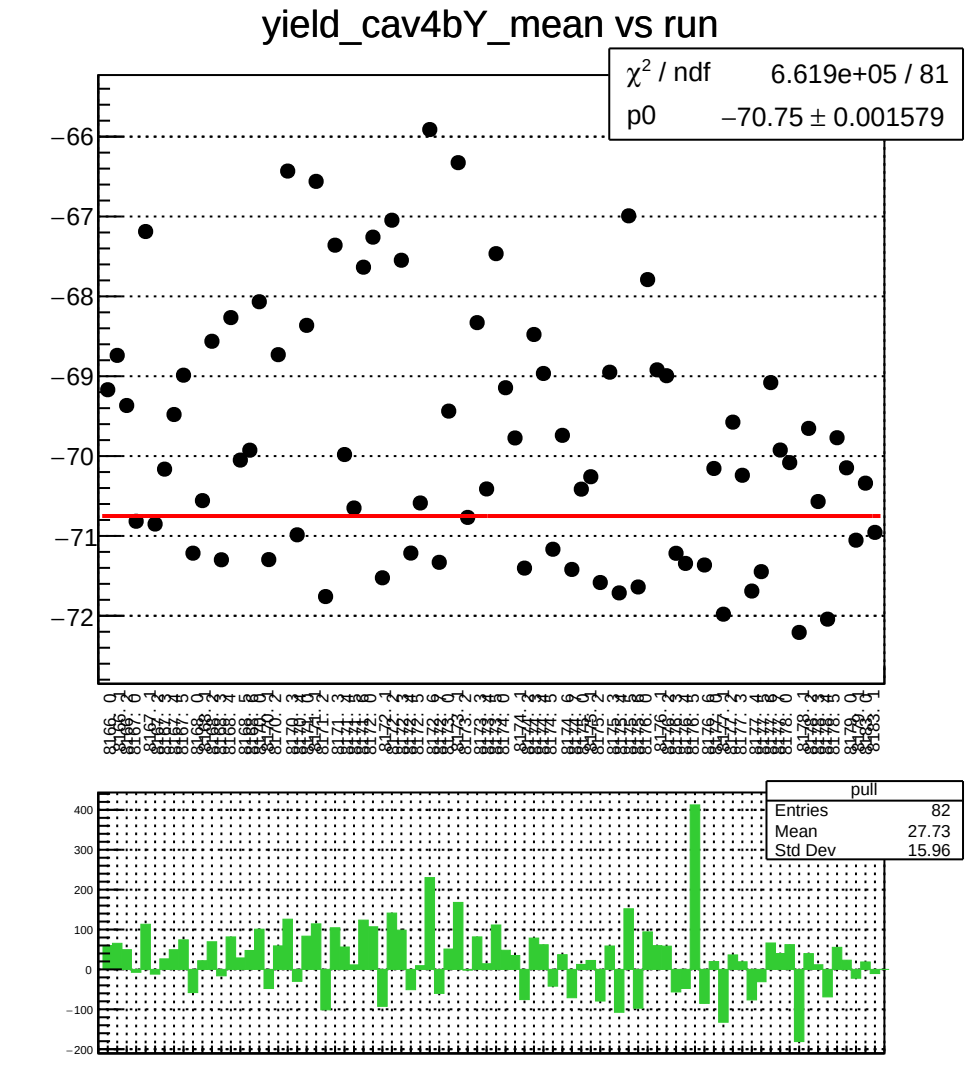

pull1D
Entries 82
Mean 0.006415
Std Dev 0.8815

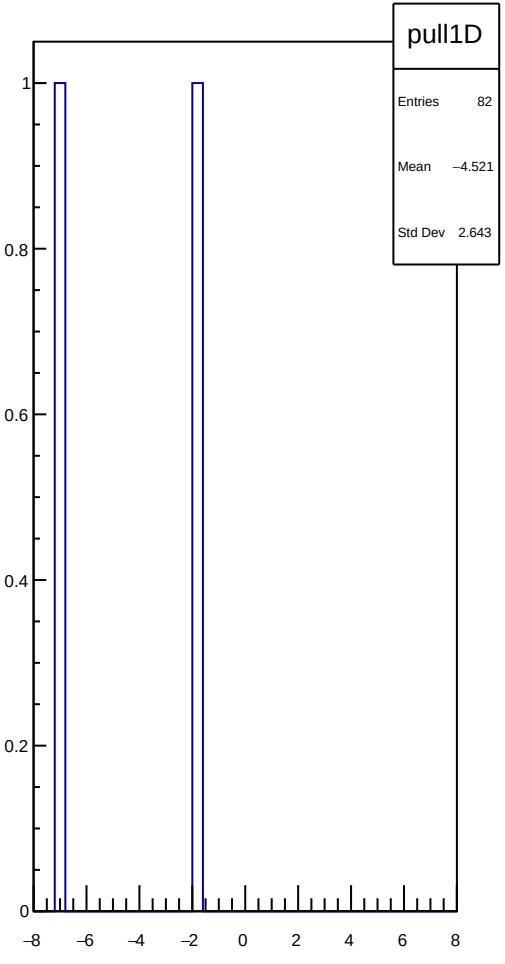

diff_bpmtargetdiffY_rms vs run
χ² / ndf 764.5 / 81
p0 621.5 ± 0.4941
680
670
660
650
640
630
620
610
600
590

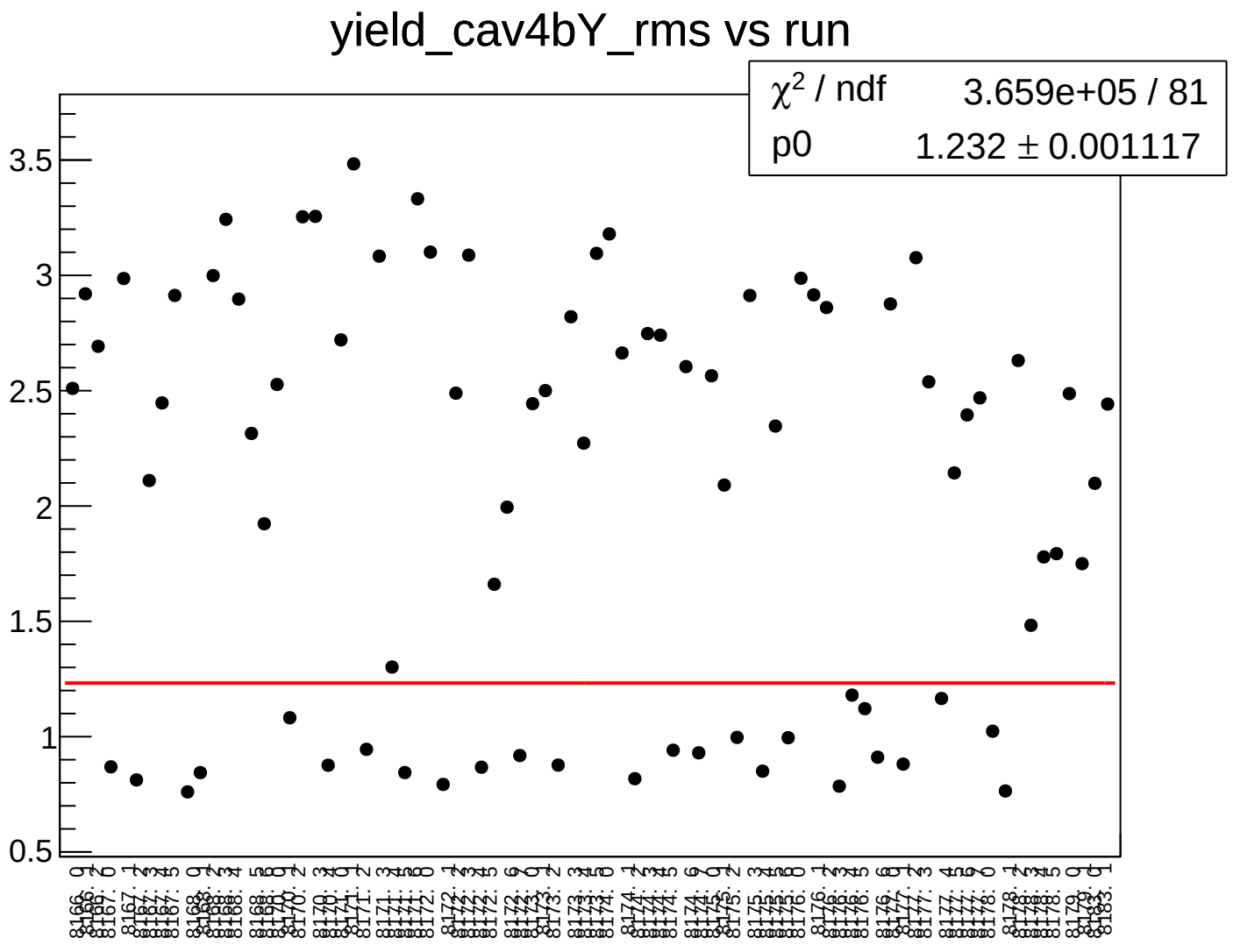

yield_cav4bX_mean vs run
χ² / ndf 1.894e+05 / 81
p0 −32.9 ± 0.003585
pull
Entries 82
Mean 89.5
Std Dev 0

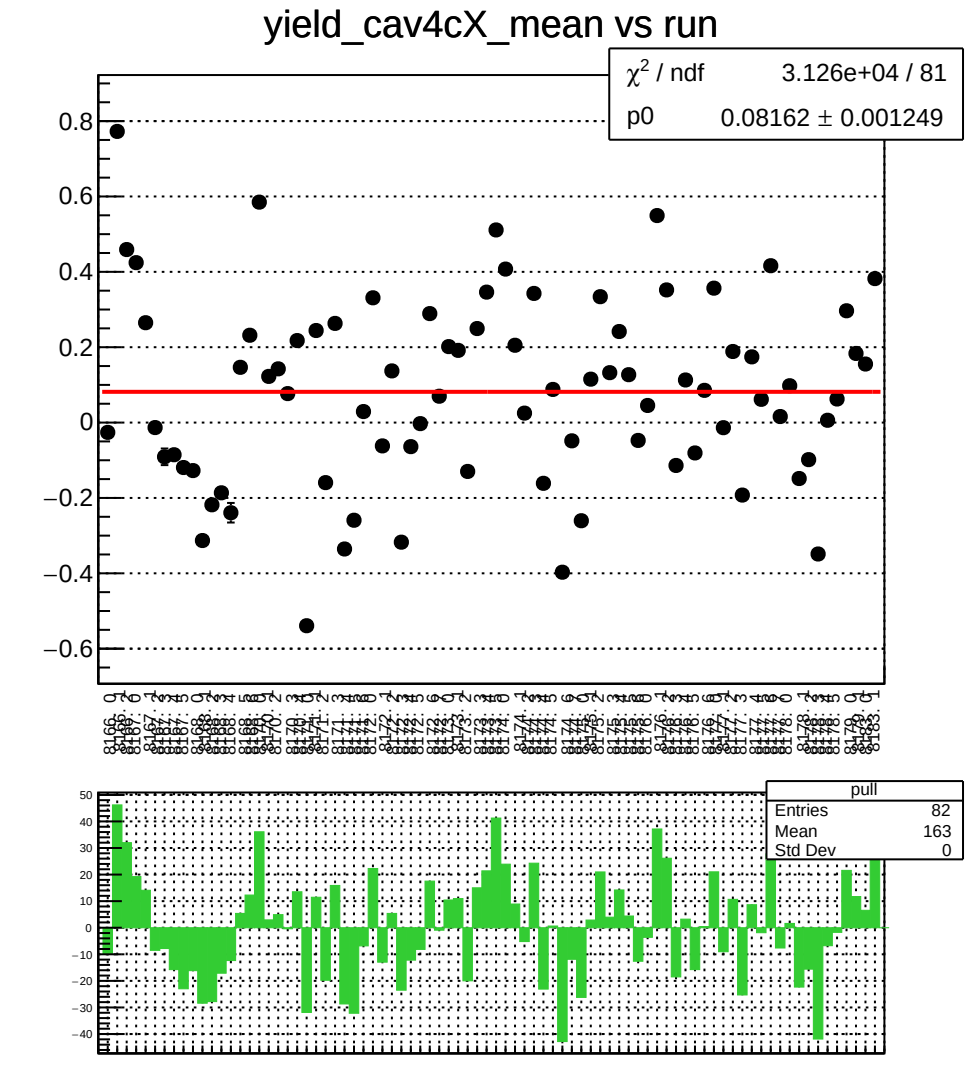

pull1D
Entries 82
Mean 1.772
Std Dev 4.372

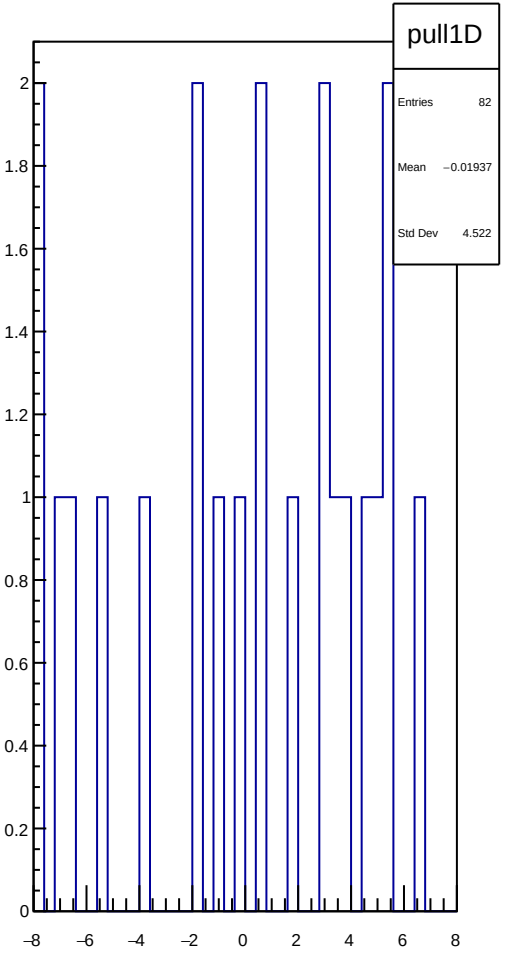

yield_cav4bX_rms vs run
χ^2 / ndf 5.735e+04 / 81
p0 3.131 ± 0.002535
6.5
6
5.5
5
4.5
4
3.5
3
2.5
2

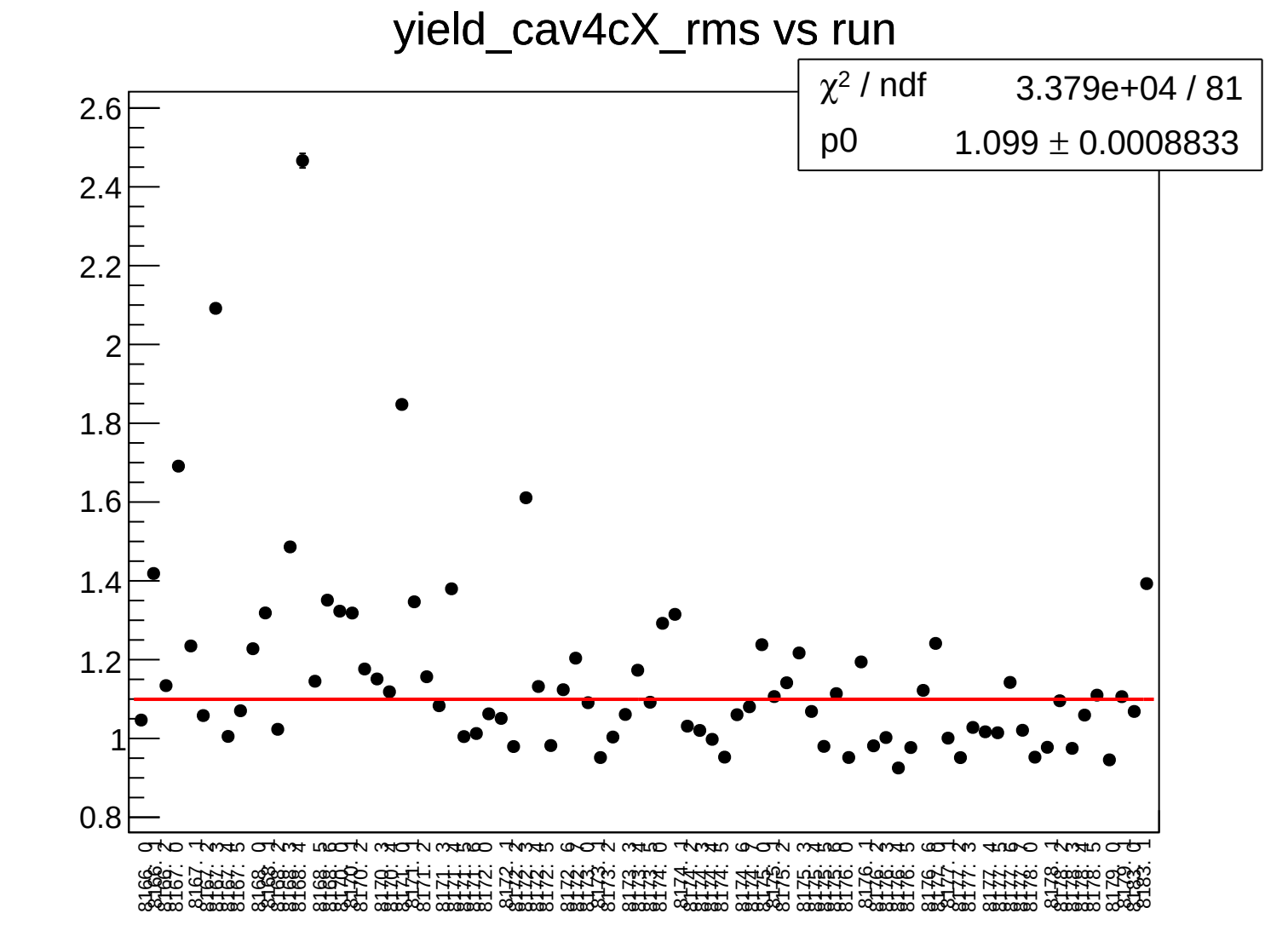

yield_cav4bY_mean vs run
χ² / ndf 6.619e+05 / 81
p0 −70.75 ± 0.001579
−66
−67
−68
−69
−70
−71
−72
pull
Entries 82
Mean 27.73
Std Dev 15.96
400
300
200
100
0
−100
−200

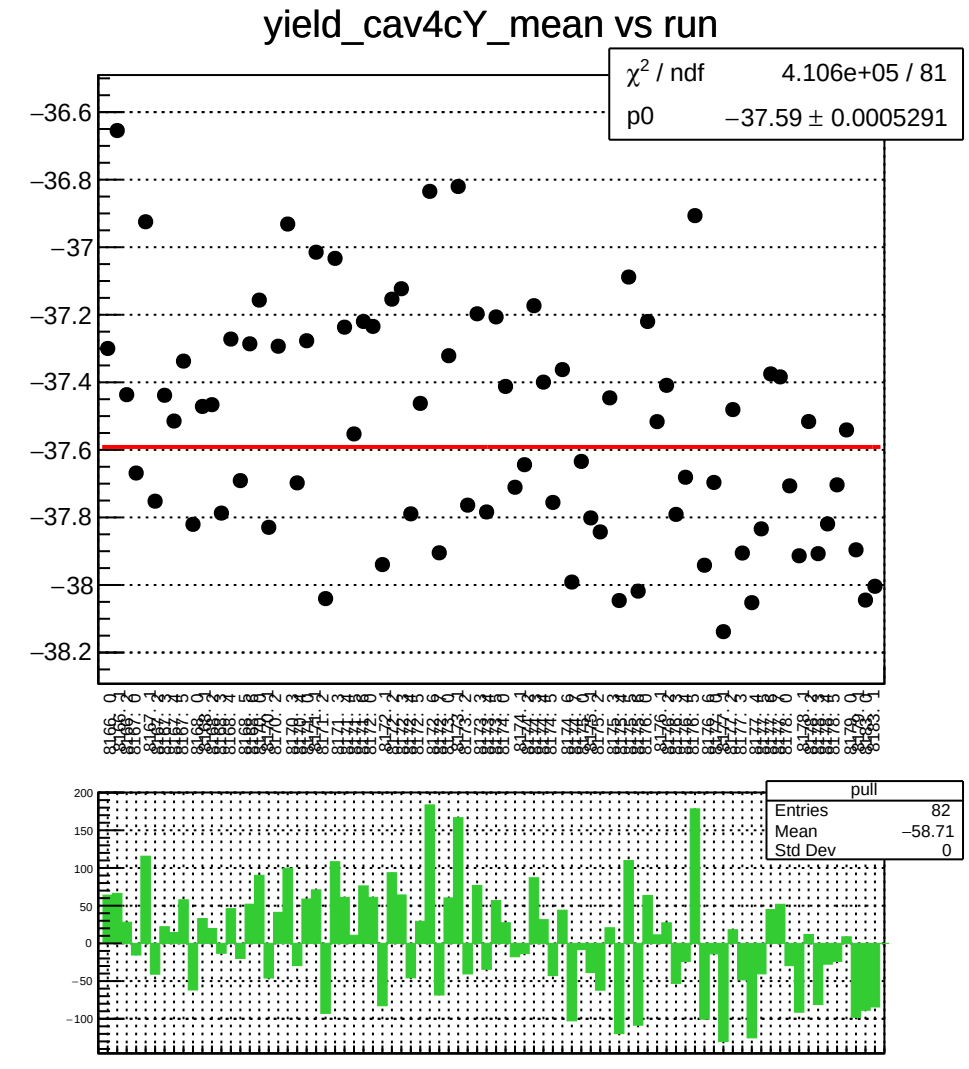

pull1D
Entries 82
Mean −4.521
Std Dev 2.643
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

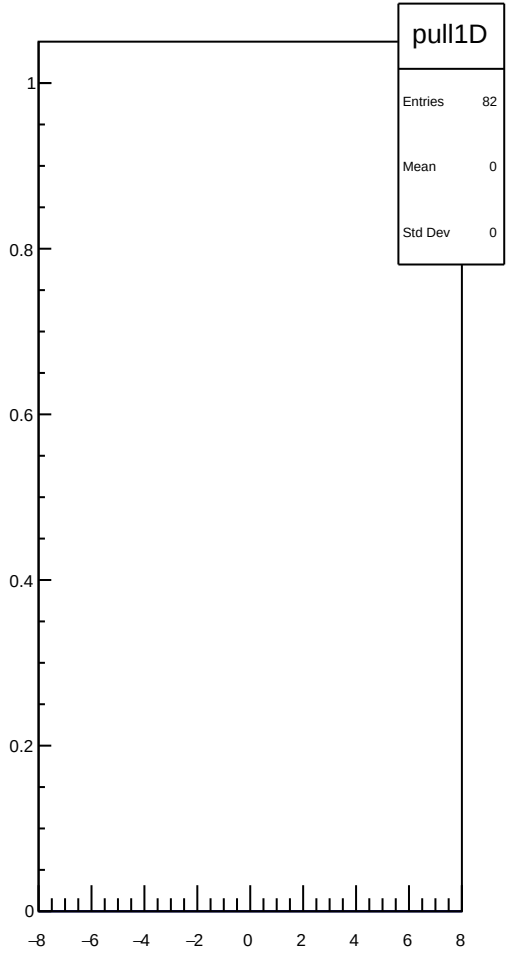

yield_cav4bY_rms vs run
χ^2 / ndf 3.659e+05 / 81
p0 1.232 ± 0.001117
3.5
3
2.5
2
1.5
1
0.5

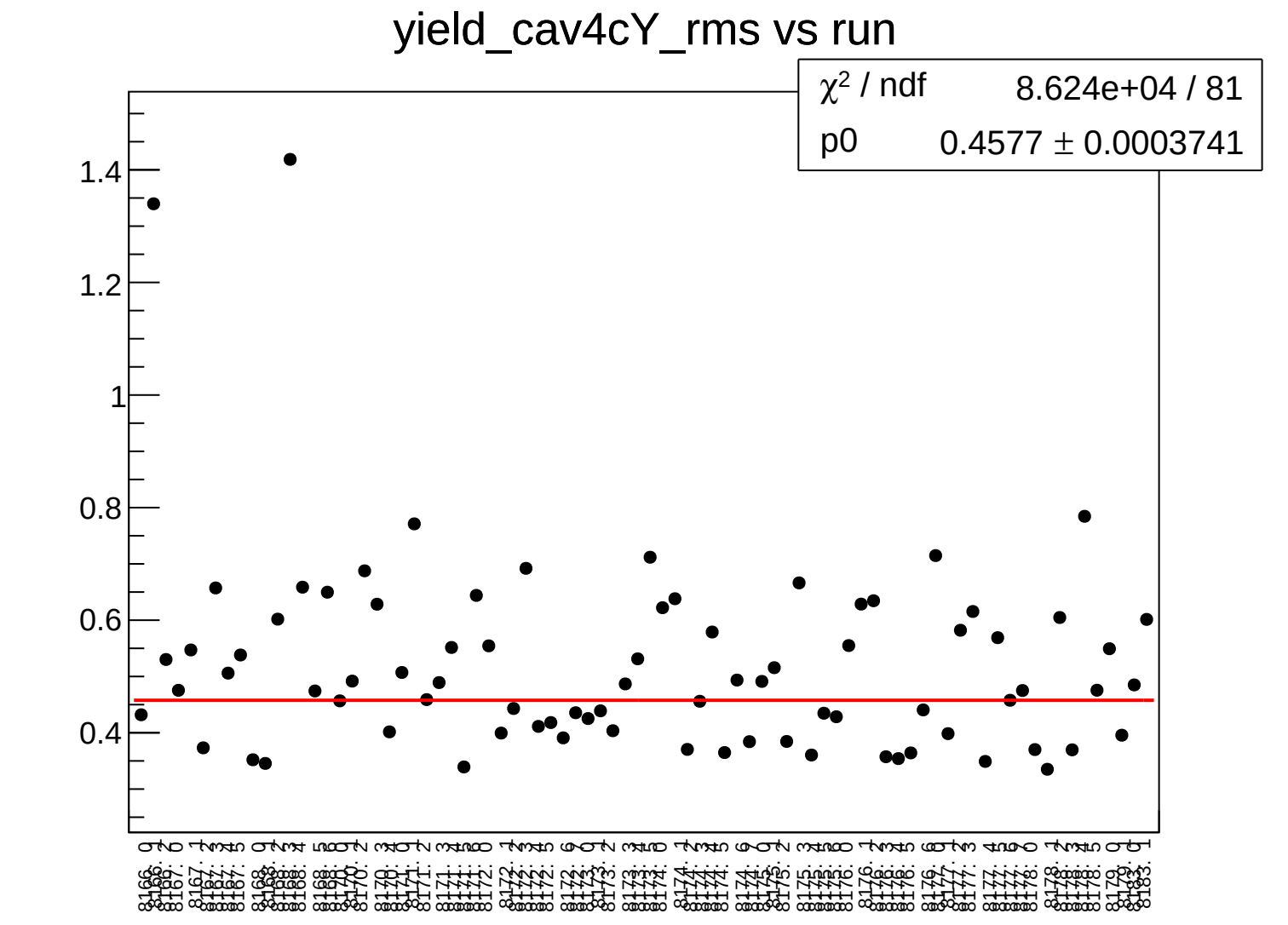

yield_cav4cX_mean vs run
χ² / ndf 3.126e+04 / 81
p0 0.08162 ± 0.001249
pull
Entries 82
Mean 163
Std Dev 0

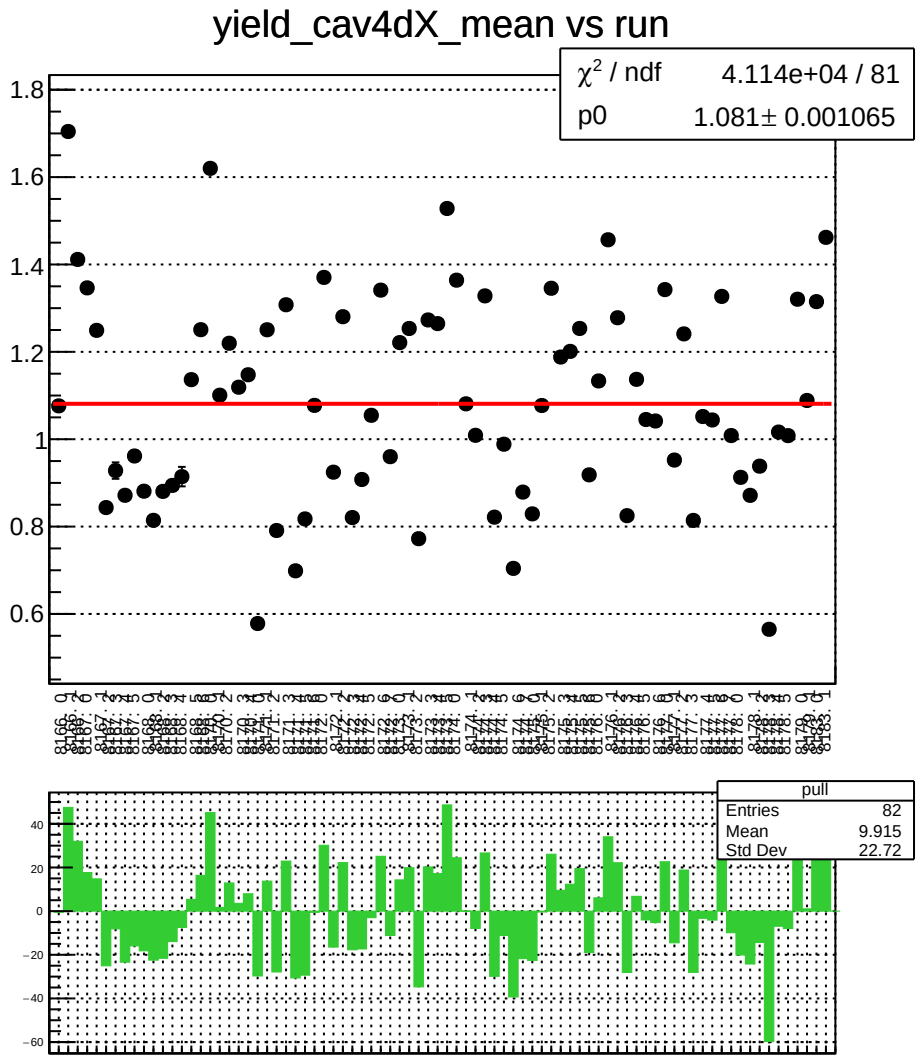

pull1D
Entries 82
Mean −0.01937
Std Dev 4.522

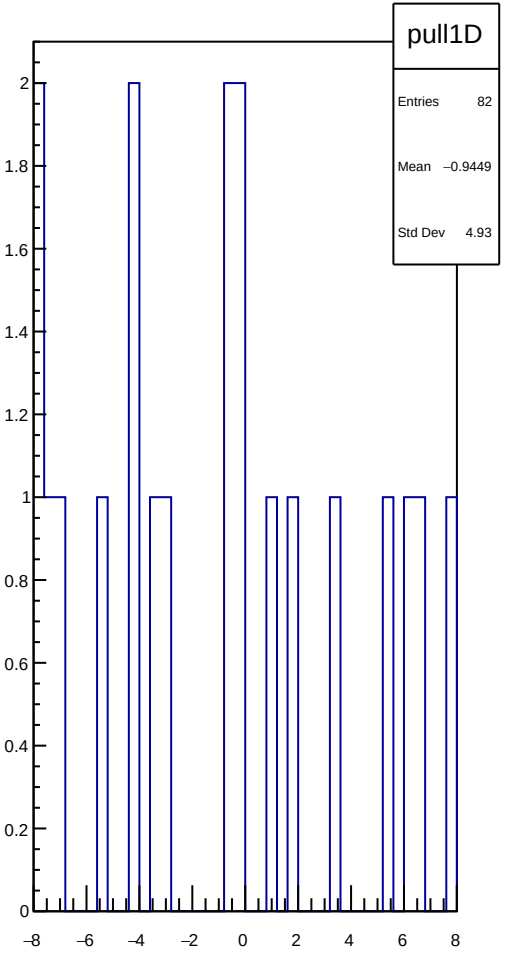

yield_cav4cX_rms vs run
χ² / ndf 3.379e+04 / 81
p0 1.099 ± 0.0008833
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8

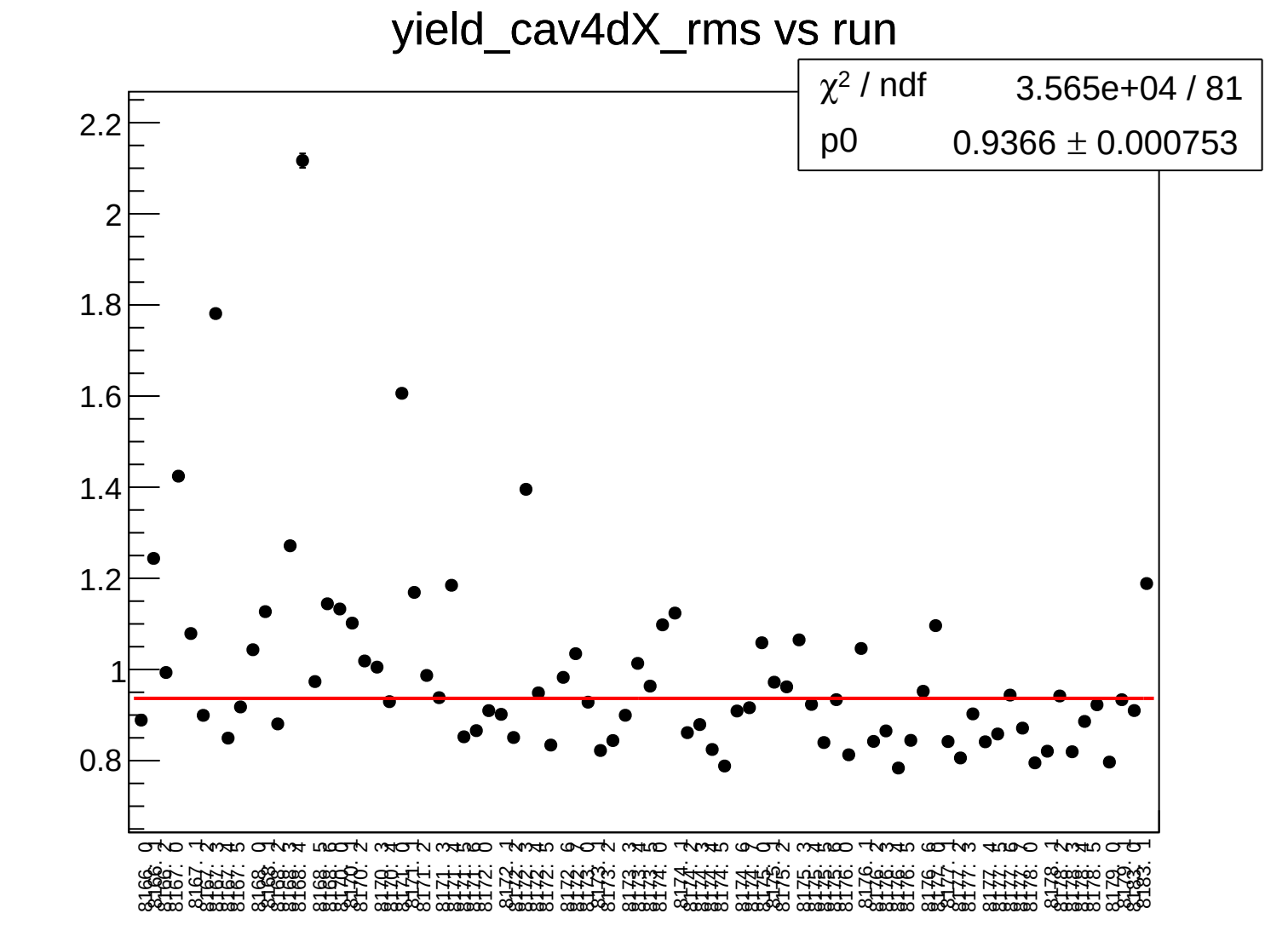

yield_cav4cY_mean vs run
χ² / ndf 4.106e+05 / 81
p0 −37.59 ± 0.0005291
−36.6
−36.8
−37
−37.2
−37.4
−37.6
−37.8
−38
−38.2
pull
Entries 82
Mean −58.71
Std Dev 0
200
150
100
50
0
−50
−100

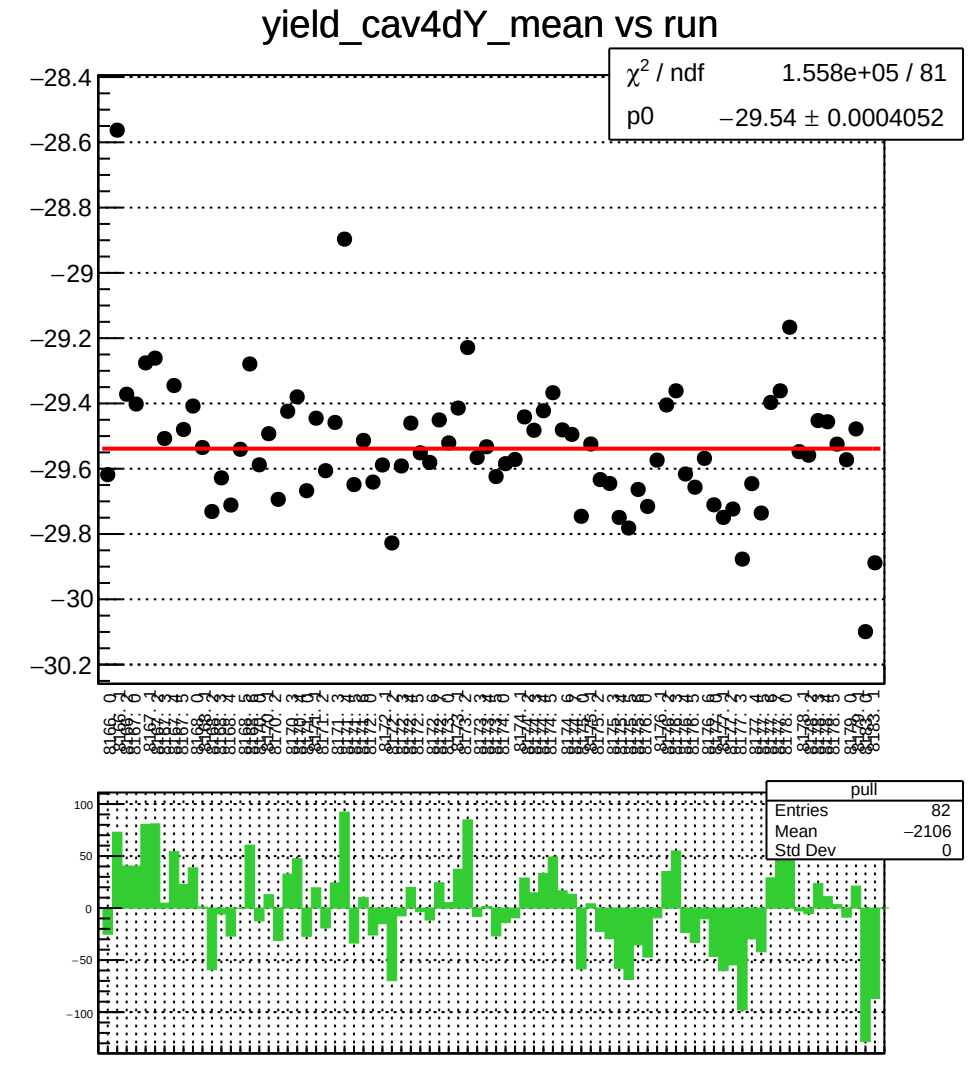

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

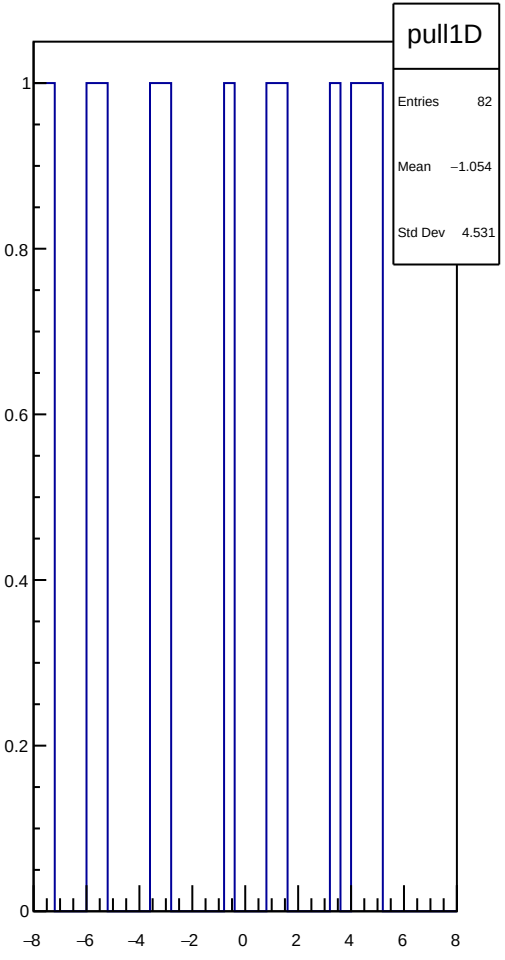

yield_cav4cY_rms vs run
χ² / ndf 8.624e+04 / 81
p0 0.4577 ± 0.0003741
1.4
1.2
1
0.8
0.6
0.4

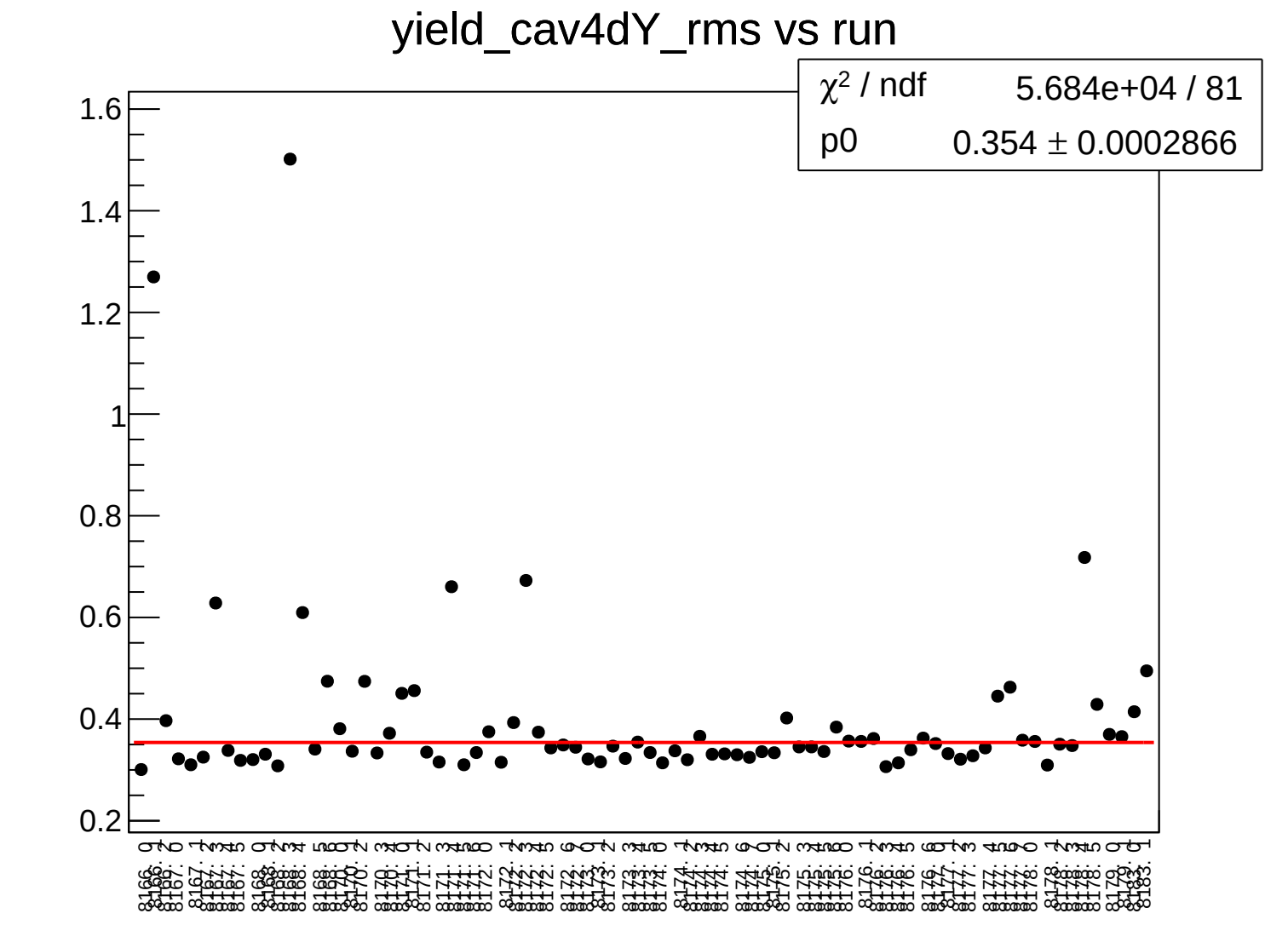

yield_cav4dX_mean vs run
χ² / ndf 4.114e+04 / 81
p0 1.081± 0.001065
pull
Entries 82
Mean 9.915
Std Dev 22.72

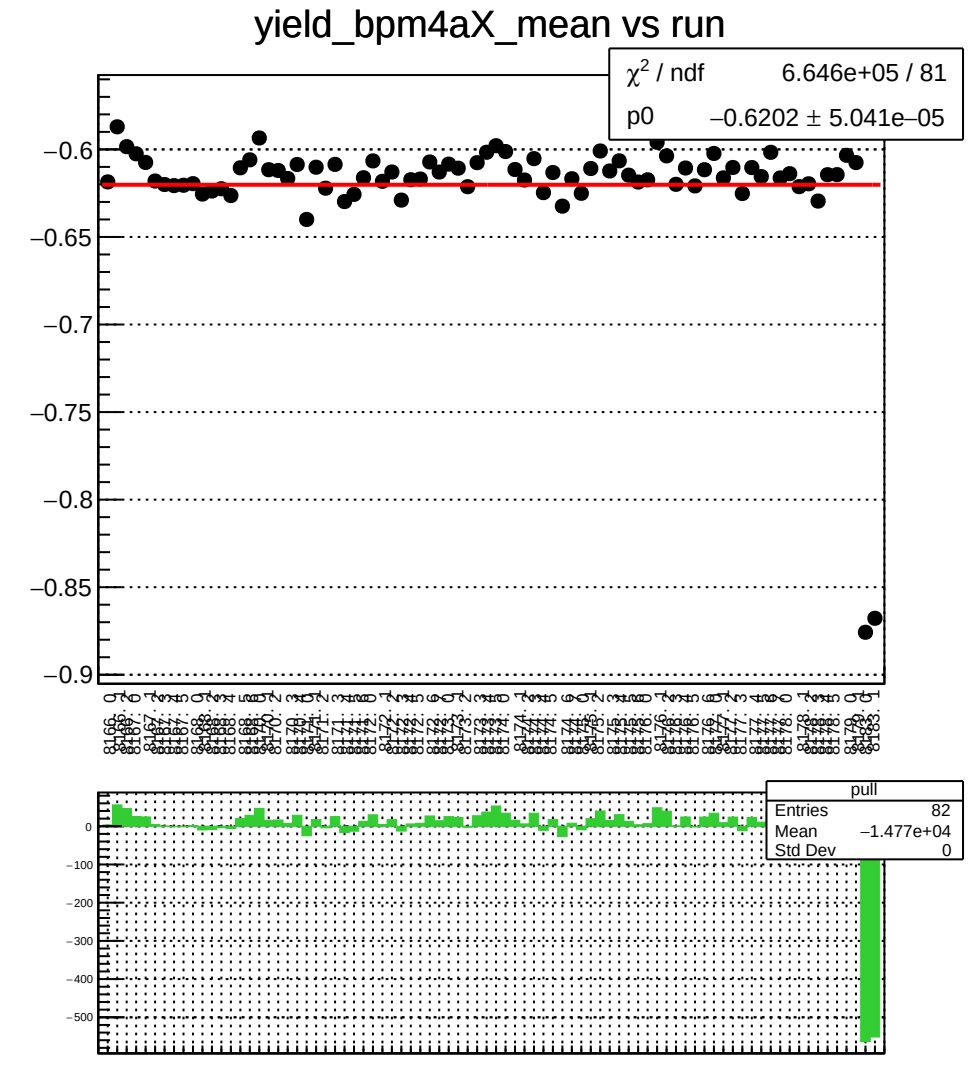

pull1D
Entries 82
Mean −0.9449
Std Dev 4.93

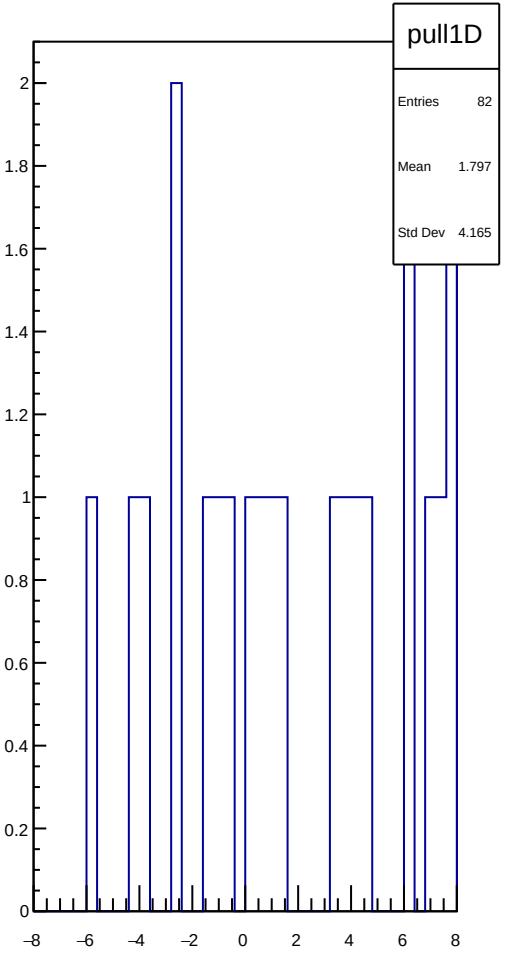

yield_cav4dX_rms vs run
χ² / ndf 3.565e+04 / 81
p0 0.9366 ± 0.000753
2.2
2
1.8
1.6
1.4
1.2
1
0.8

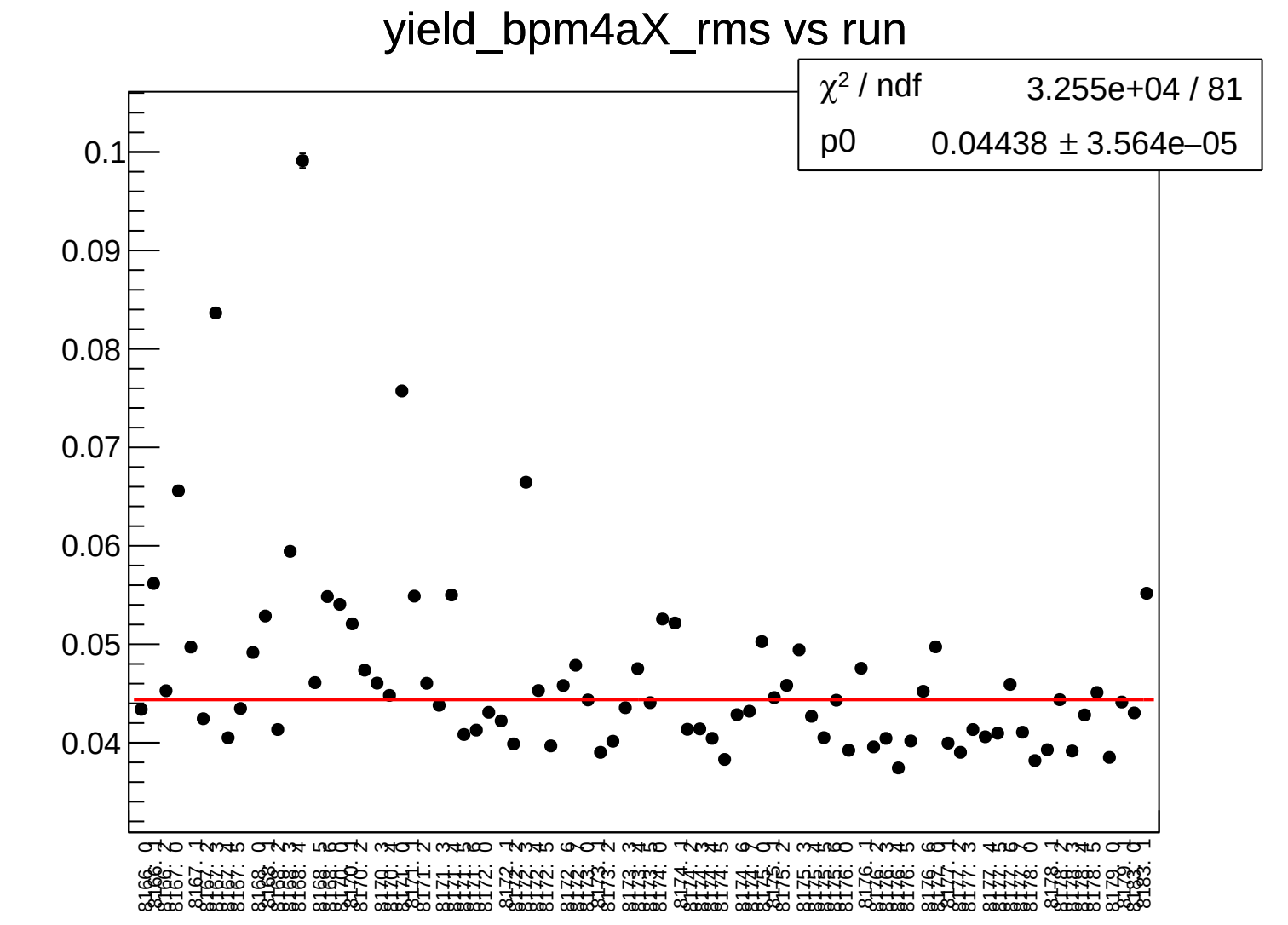

yield_cav4dY_mean vs run
χ² / ndf 1.558e+05 / 81
p0 −29.54 ± 0.0004052
pull
Entries 82
Mean −2106
Std Dev 0

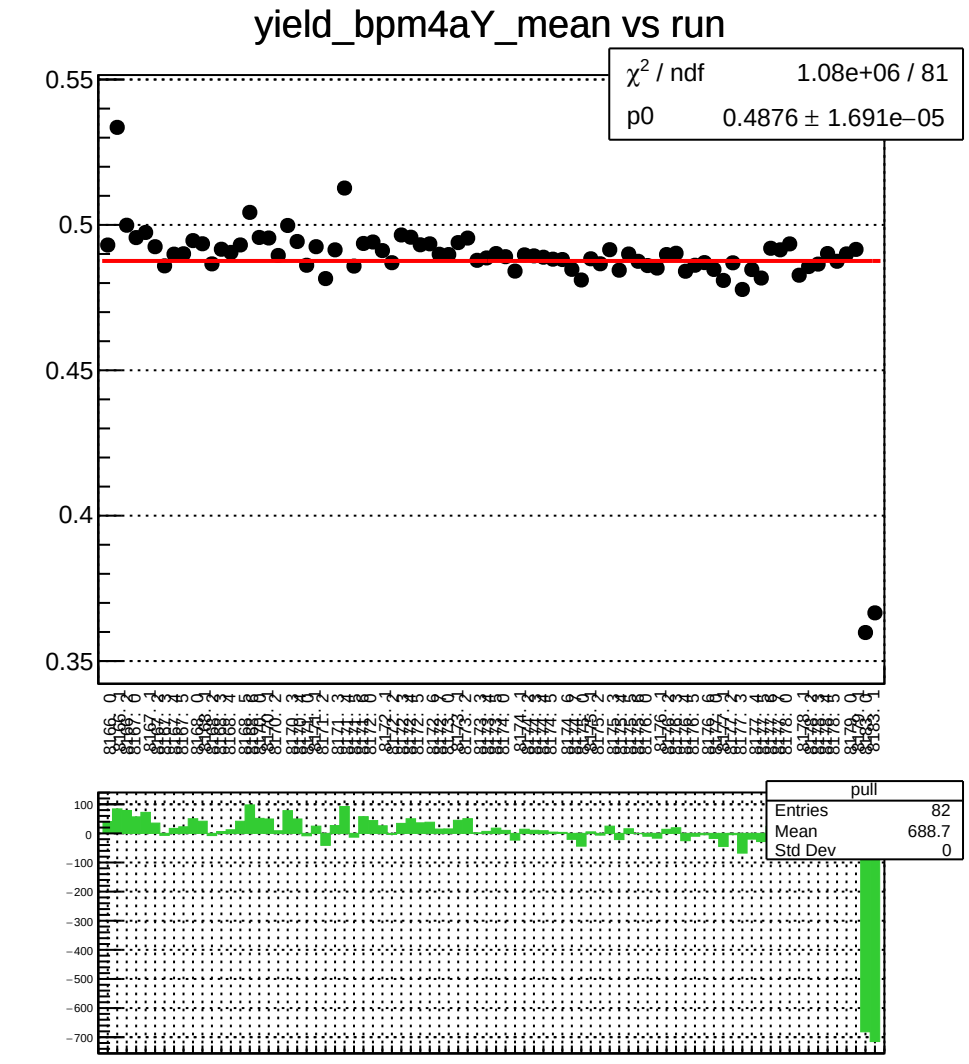

pull1D
Entries 82
Mean −1.054
Std Dev 4.531

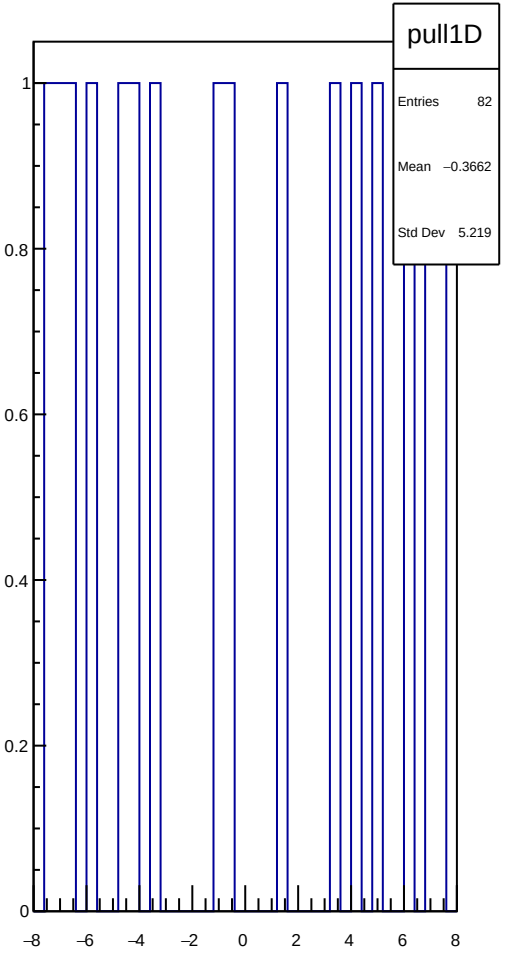

yield_cav4dY_rms vs run
χ² / ndf 5.684e+04 / 81
p0 0.354 ± 0.0002866
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

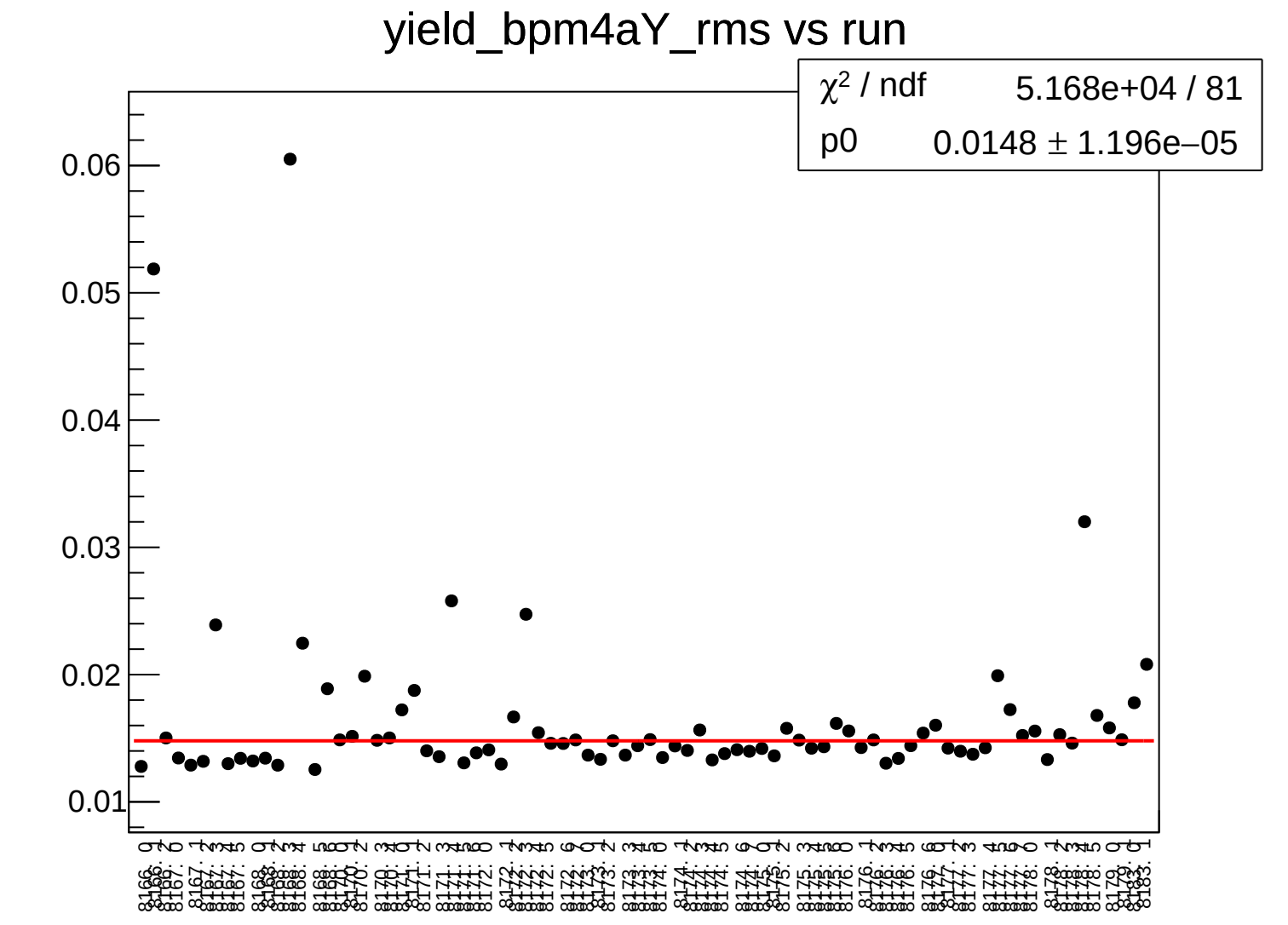

yield_bpm4aX_mean vs run
χ² / ndf 6.646e+05 / 81
p0 −0.6202 ± 5.041e−05
pull
Entries 82
Mean −1.477e+04
Std Dev 0

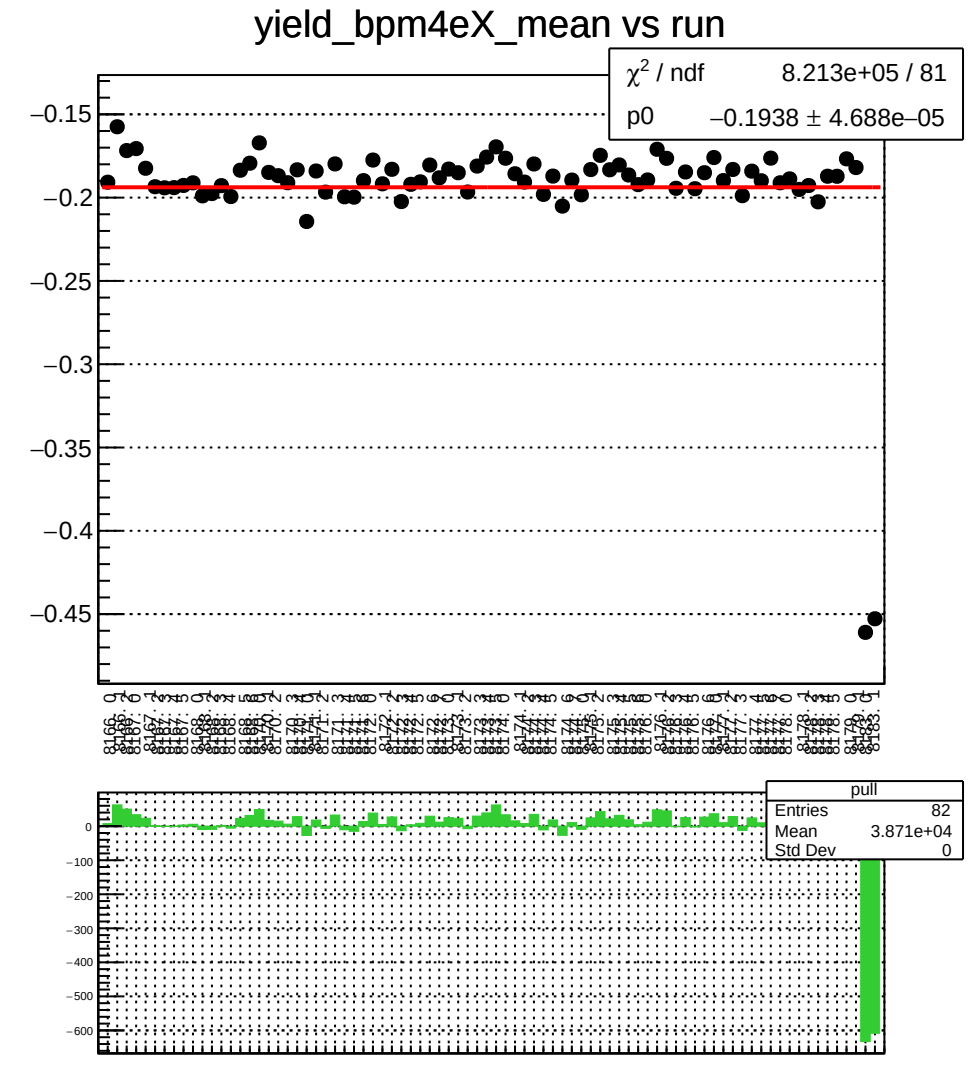

pull1D
Entries 82
Mean 1.797
Std Dev 4.165

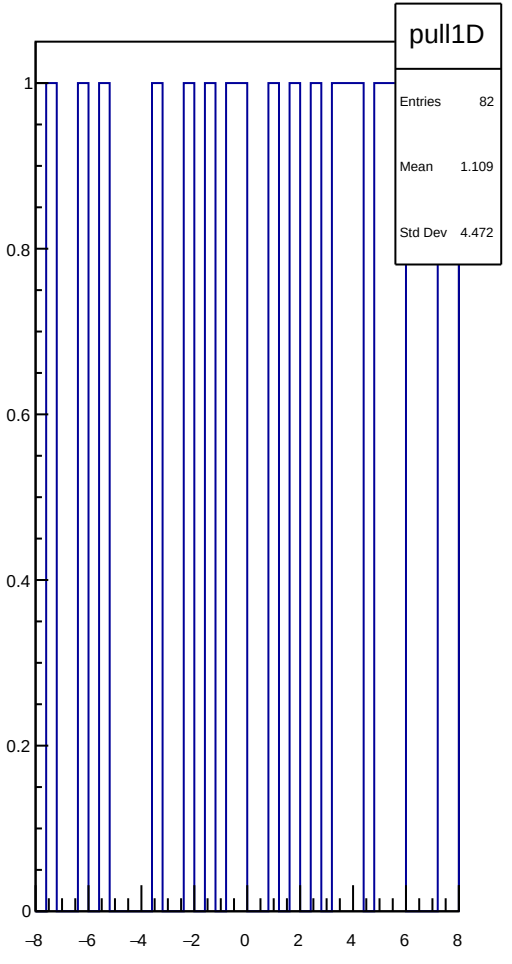

yield_bpm4aX_rms vs run
χ² / ndf 3.255e+04 / 81
p0 0.04438 ± 3.564e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

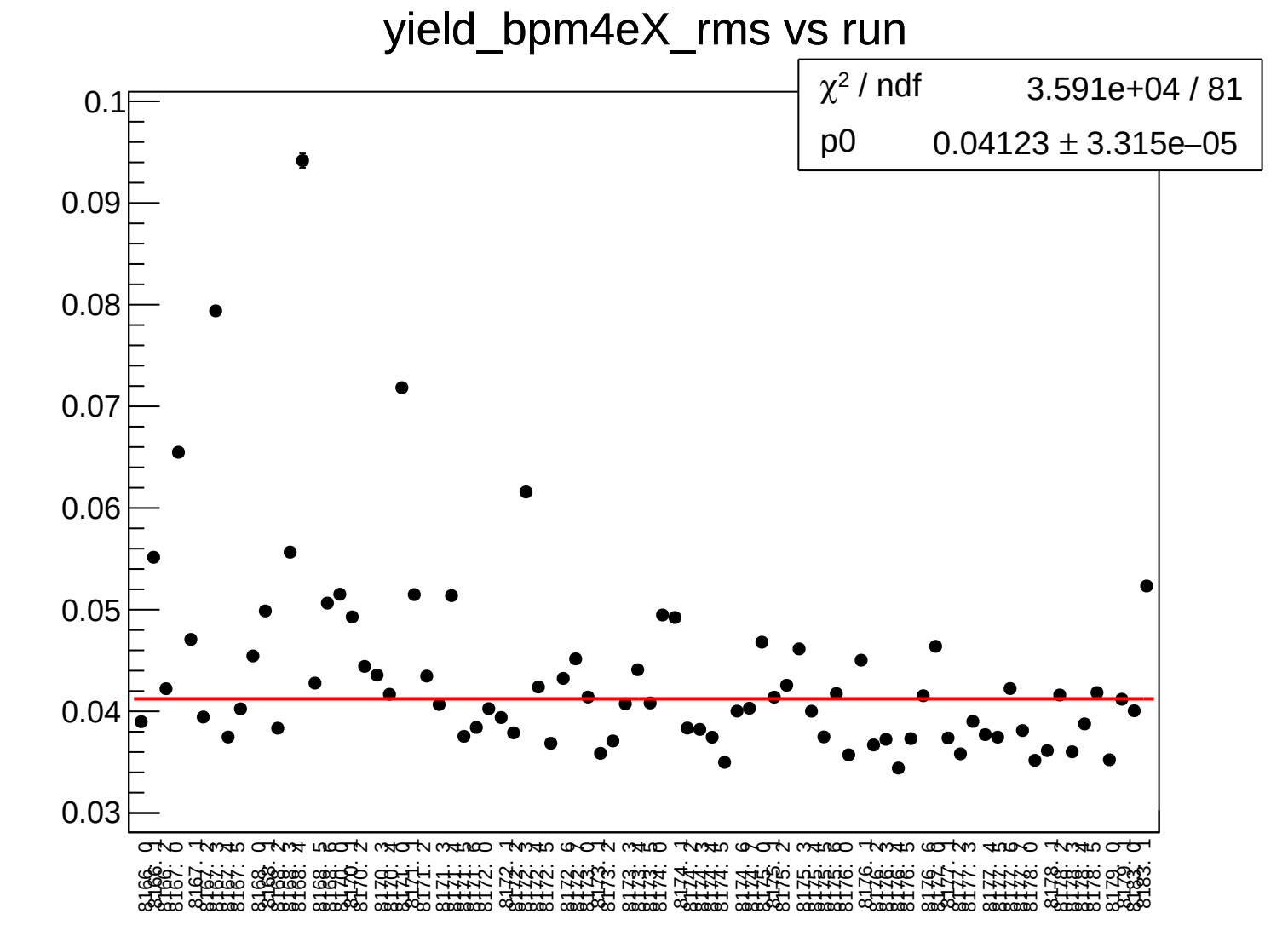

yield_bpm4aY_mean vs run
χ² / ndf 1.08e+06 / 81
p0 0.4876 ± 1.691e−05
0.55
0.5
0.45
0.4
0.35
pull
Entries 82
Mean 688.7
Std Dev 0
100
0
−100
−200
−300
−400
−500
−600
−700

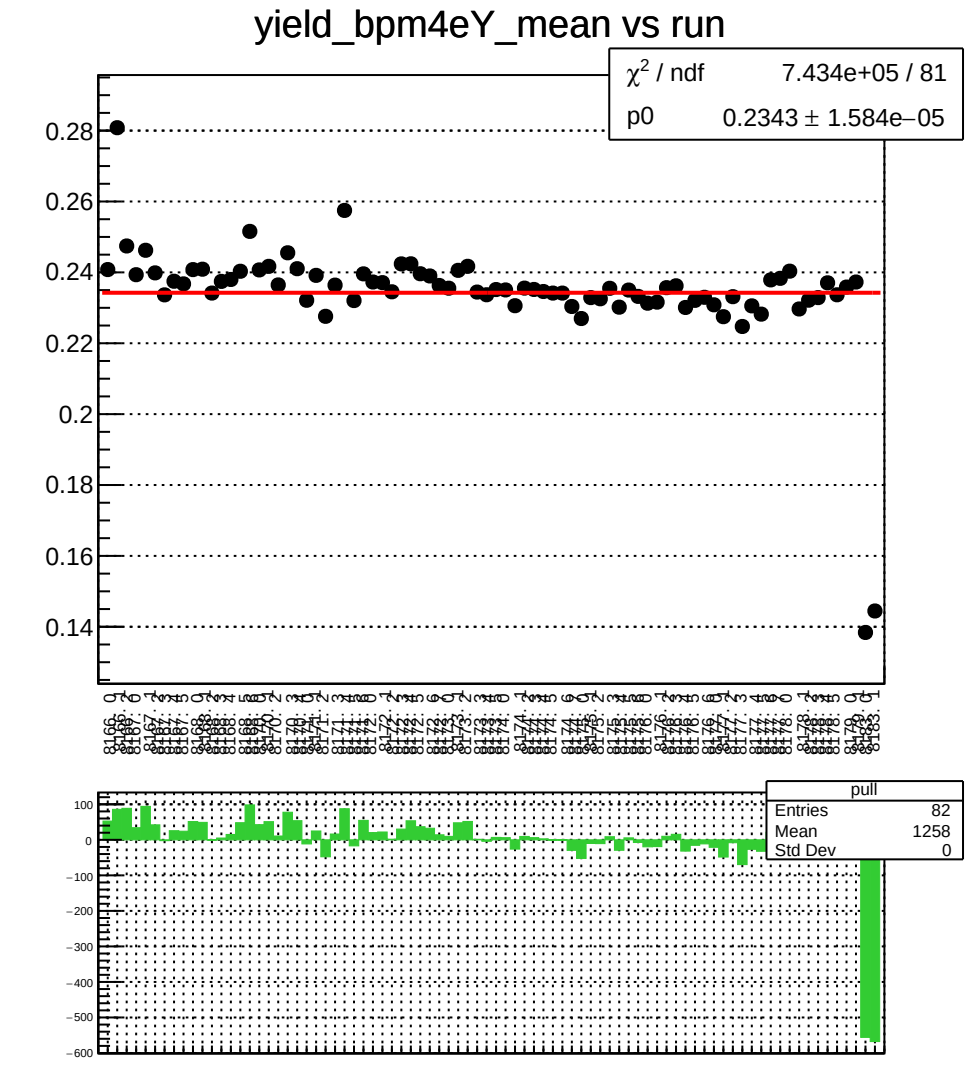

pull1D
Entries 82
Mean −0.3662
Std Dev 5.219
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

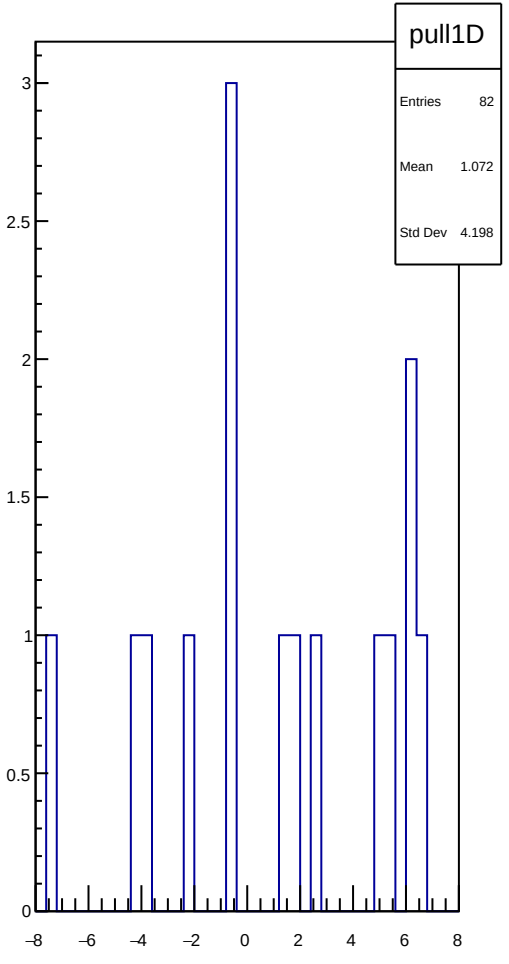

yield_bpm4aY_rms vs run
χ² / ndf 5.168e+04 / 81
p0 0.0148 ± 1.196e−05
0.06
0.05
0.04
0.03
0.02
0.01

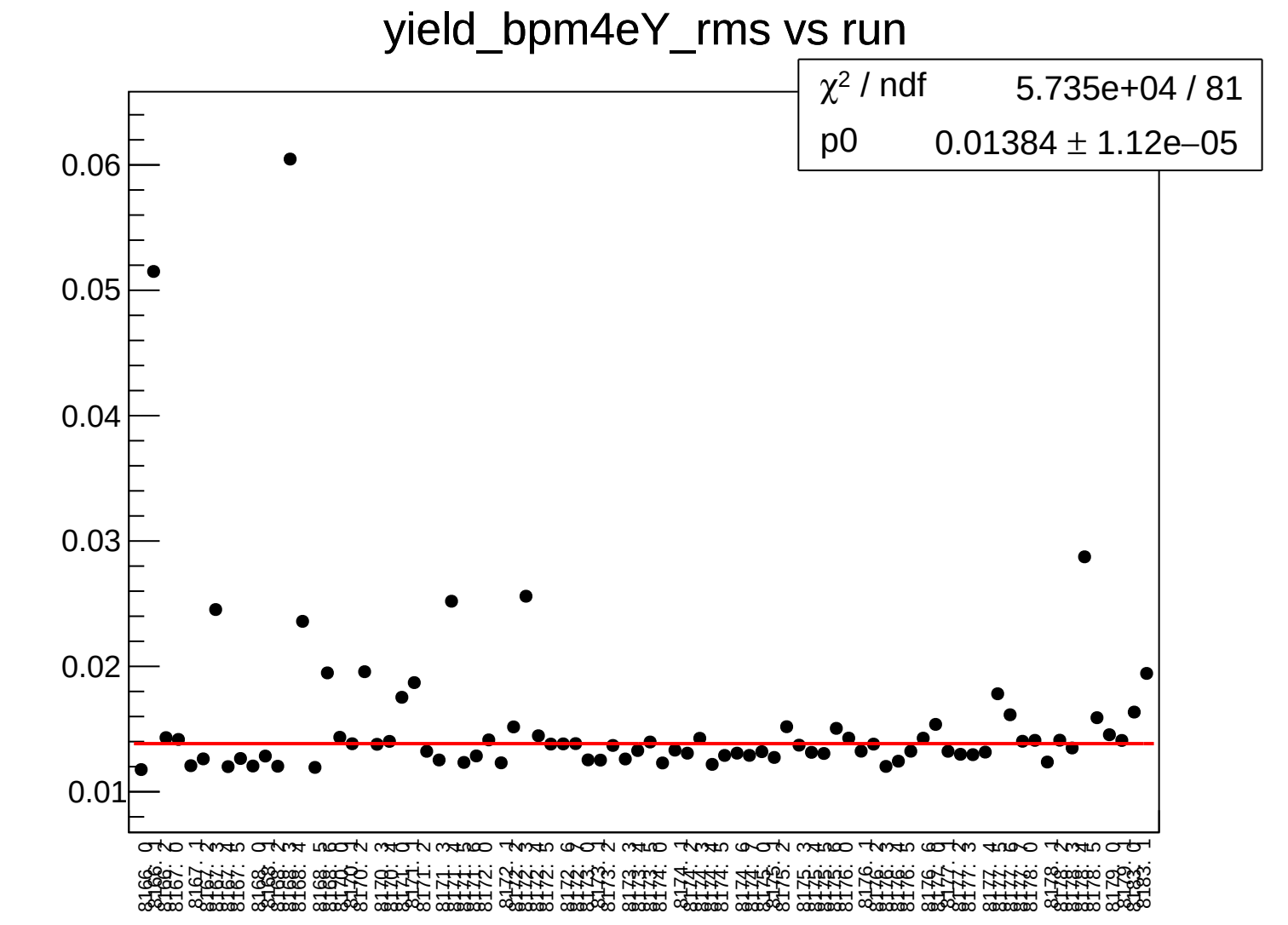

yield_bpm4eX_mean vs run
χ² / ndf 8.213e+05 / 81
p0 −0.1938 ± 4.688e−05
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 82
Mean 3.871e+04
Std Dev 0
0
−100
−200
−300
−400
−500
−600

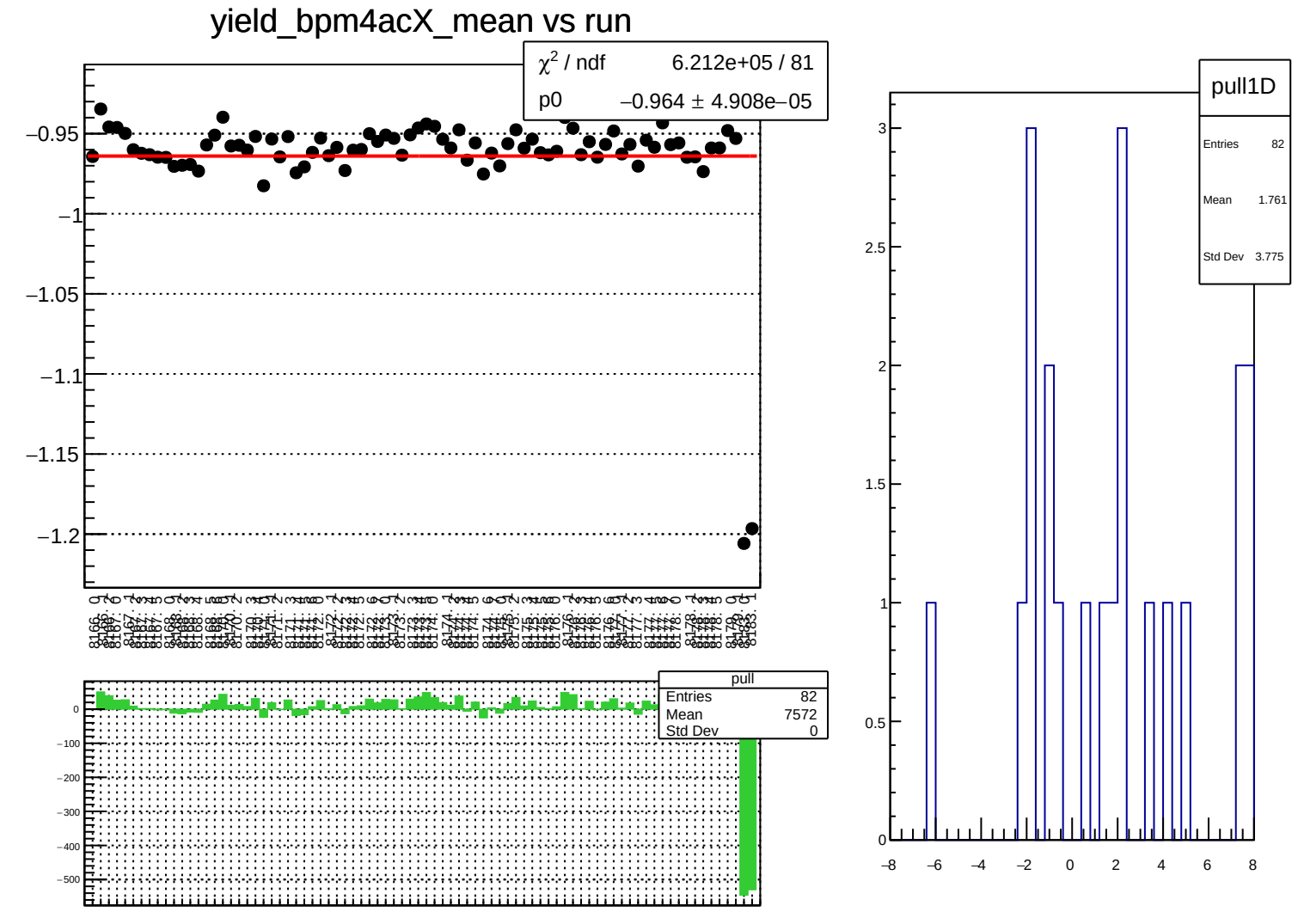

pull1D
Entries 82
Mean 1.109
Std Dev 4.472
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

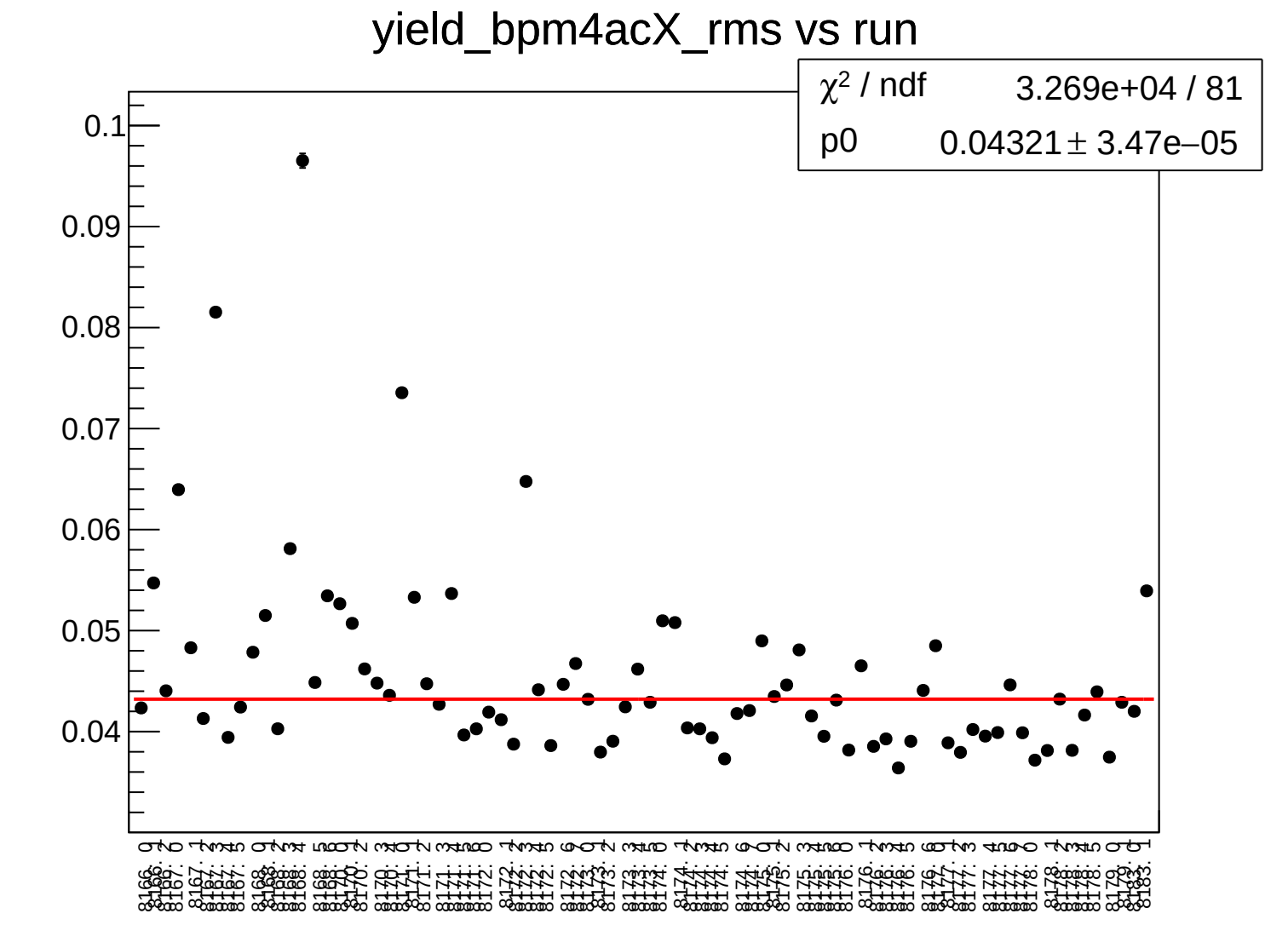

yield_bpm4eX_rms vs run
χ² / ndf 3.591e+04 / 81
p0 0.04123 ± 3.315e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

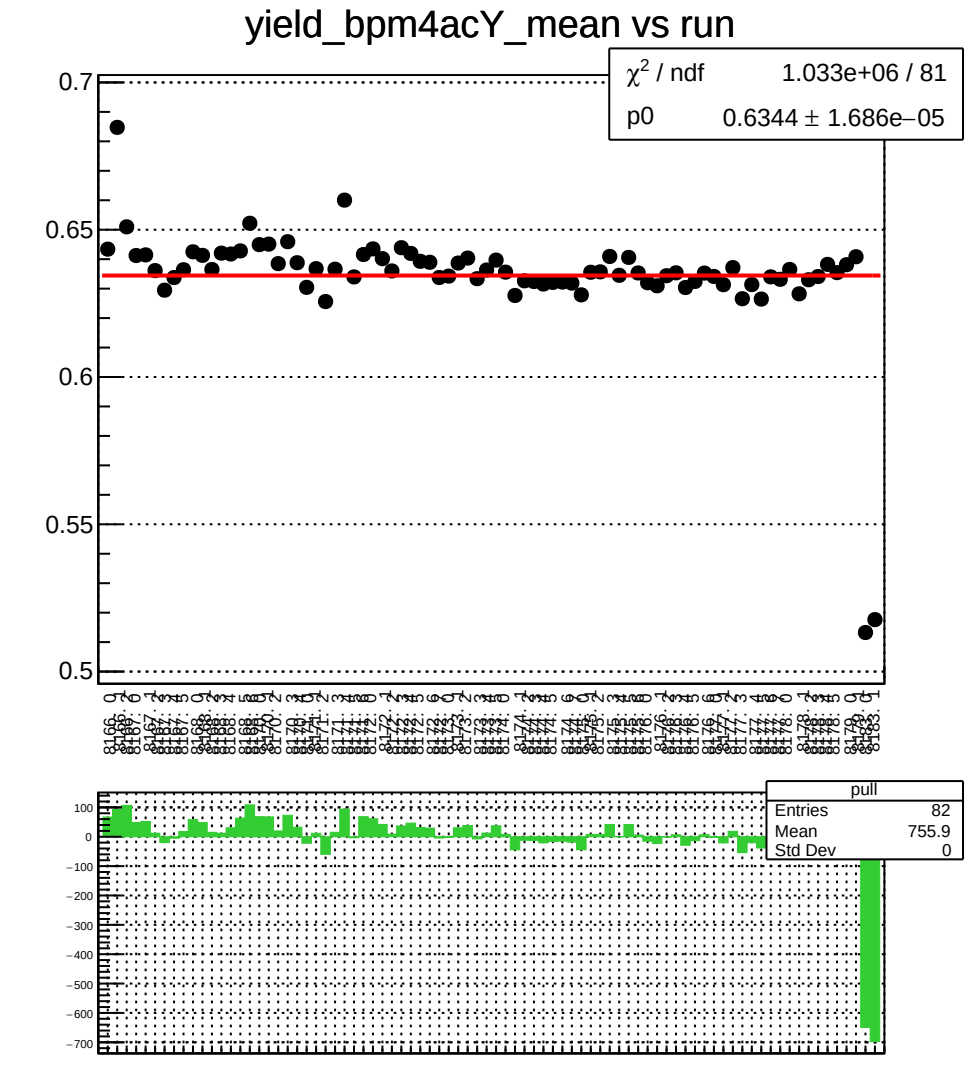

yield_bpm4eY_mean vs run
χ² / ndf 7.434e+05 / 81
p0 0.2343 ± 1.584e−05
pull
Entries 82
Mean 1258
Std Dev 0

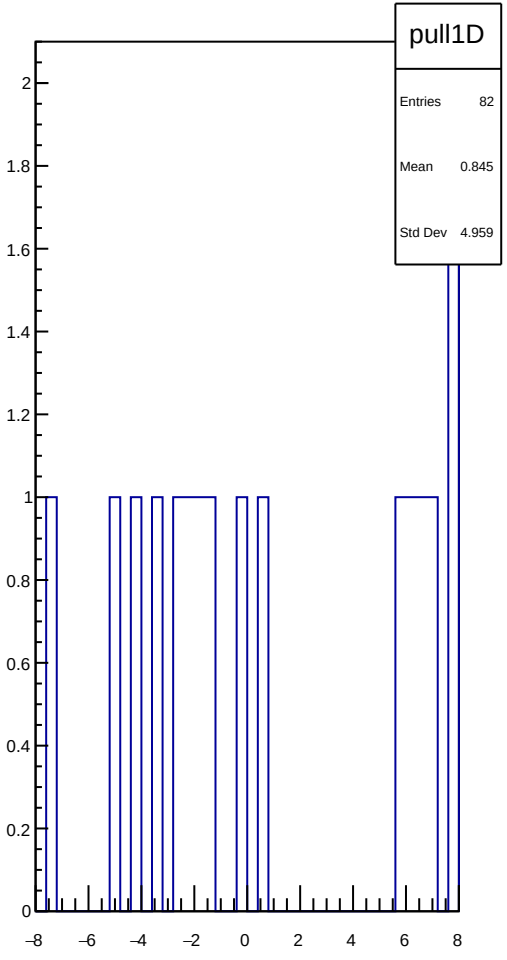

pull1D
Entries 82
Mean 1.072
Std Dev 4.198

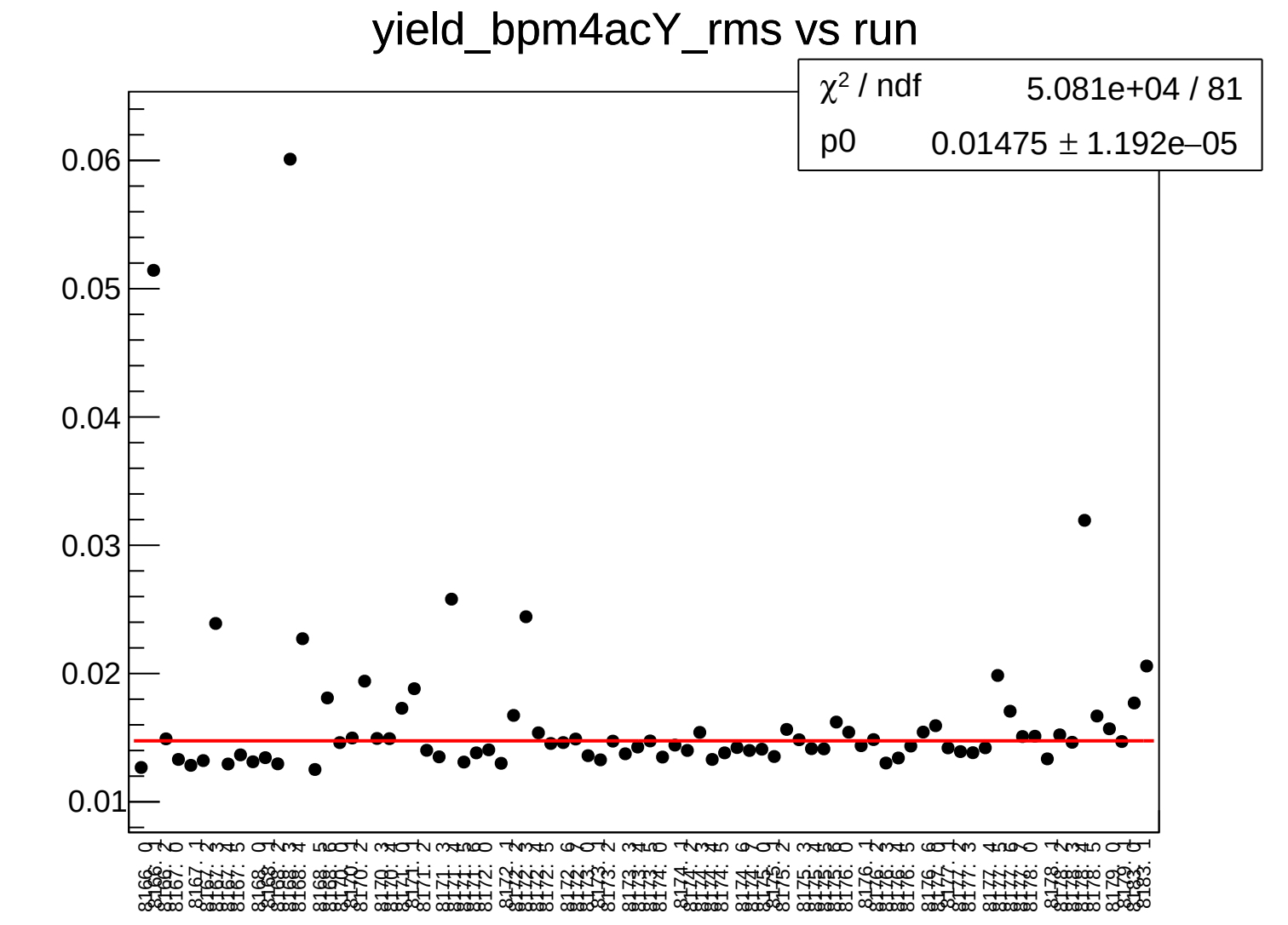

yield_bpm4eY_rms vs run
χ² / ndf 5.735e+04 / 81
p0 0.01384 ± 1.12e−05
0.06
0.05
0.04
0.03
0.02
0.01

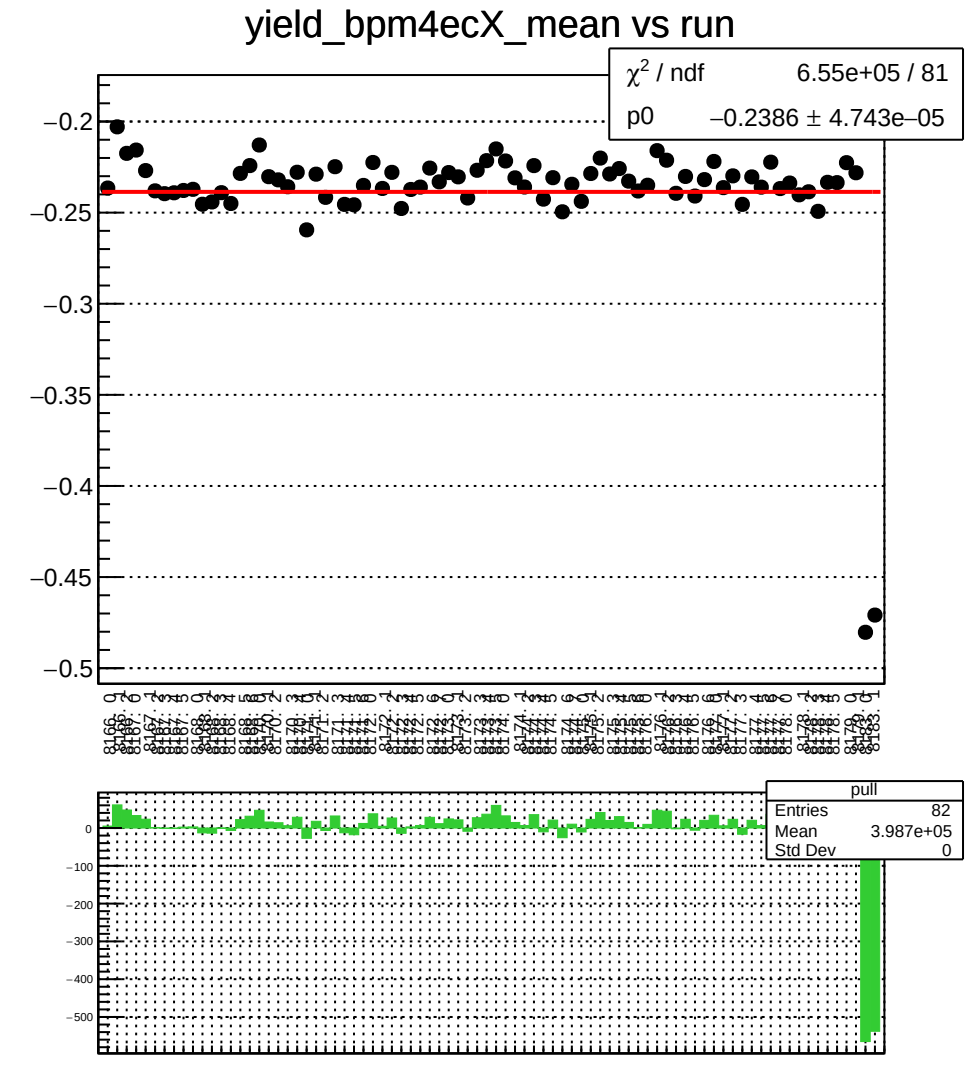

yield_bpm4acX_mean vs run
χ² / ndf 6.212e+05 / 81
p0 −0.964 ± 4.908e−05
−0.95
−1
−1.05
−1.1
−1.15
−1.2
pull
Entries 82
Mean 7572
Std Dev 0
0
−100
−200
−300
−400
−500
pull1D
Entries 82
Mean 1.761
Std Dev 3.775
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

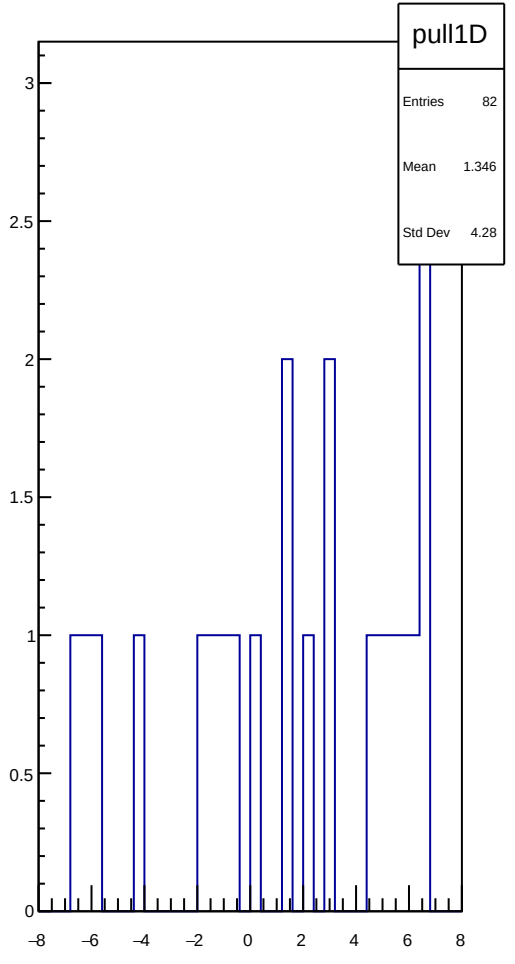

yield_bpm4acX_rms vs run
χ² / ndf 3.269e+04 / 81
p0 0.04321 ± 3.47e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

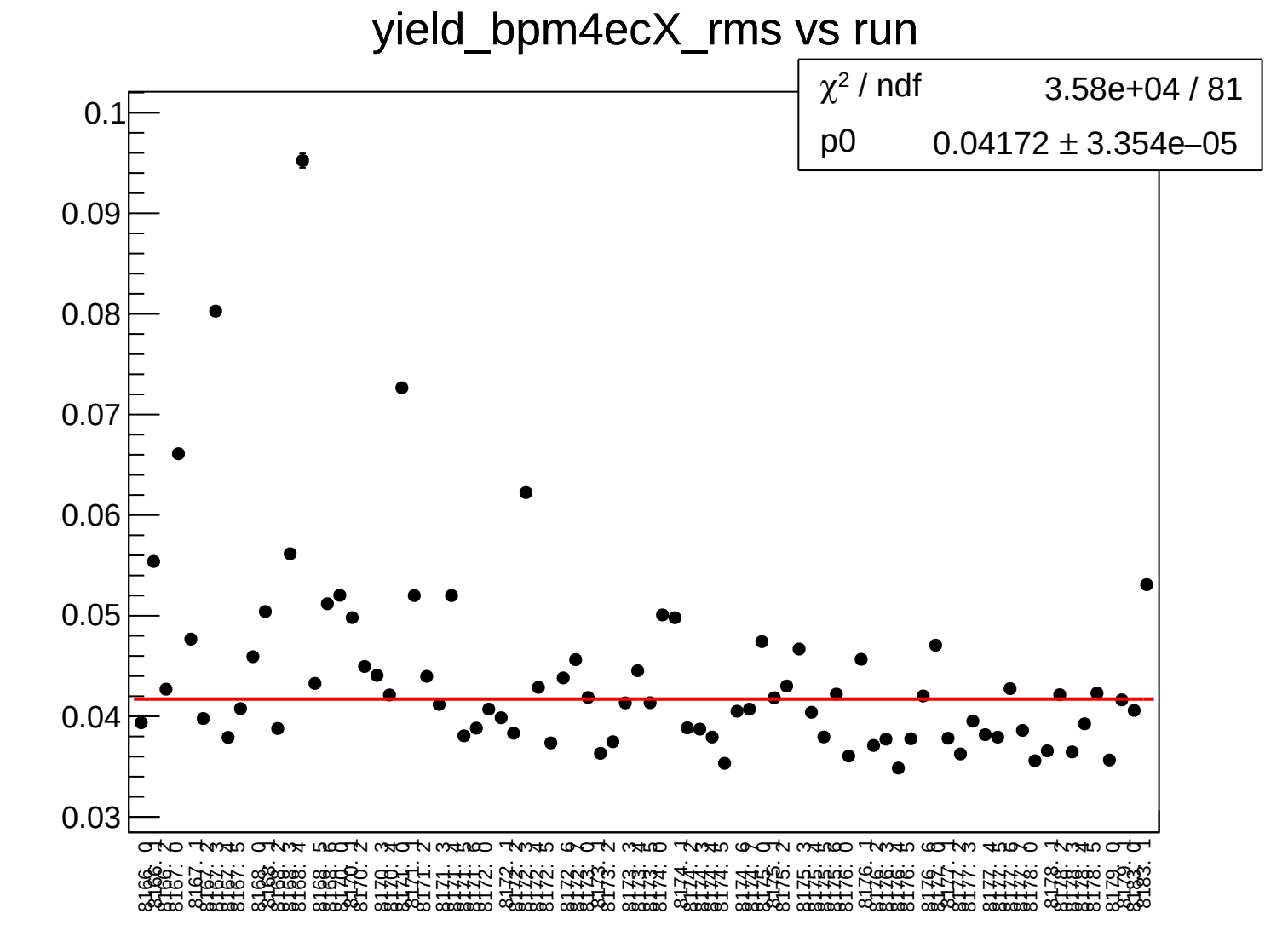

yield_bpm4acY_mean vs run
χ² / ndf 1.033e+06 / 81
p0 0.6344 ± 1.686e−05
pull
Entries 82
Mean 755.9
Std Dev 0

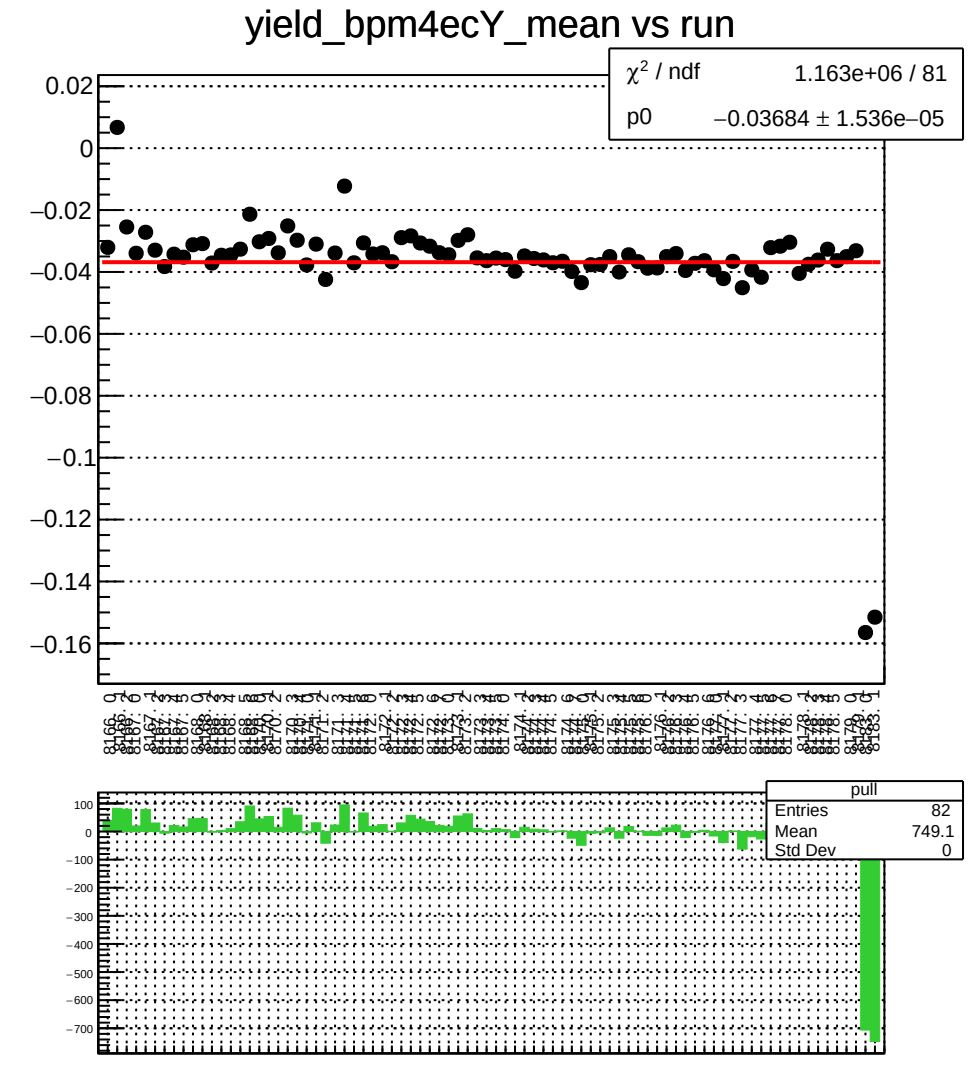

pull1D
Entries 82
Mean 0.845
Std Dev 4.959

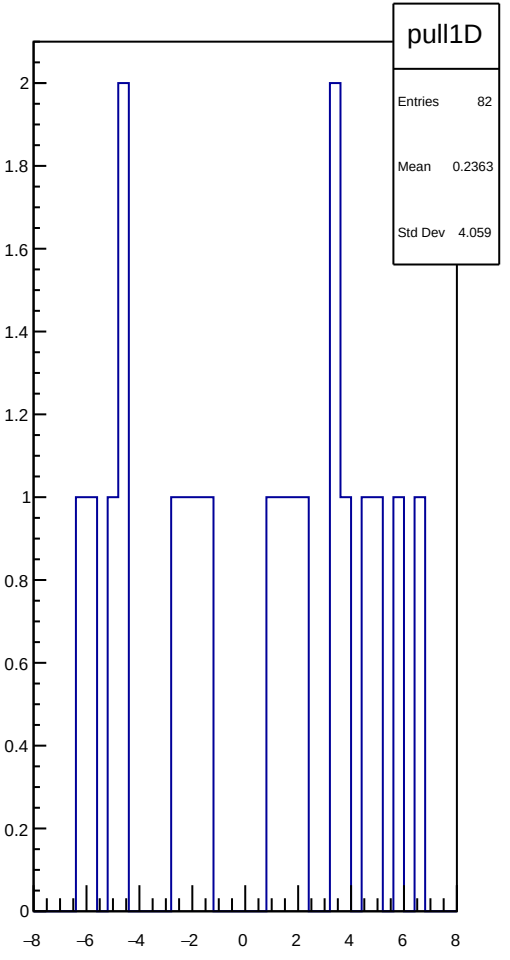

yield_bpm4acY_rms vs run
χ² / ndf 5.081e+04 / 81
p0 0.01475 ± 1.192e–05
0.06
0.05
0.04
0.03
0.02
0.01

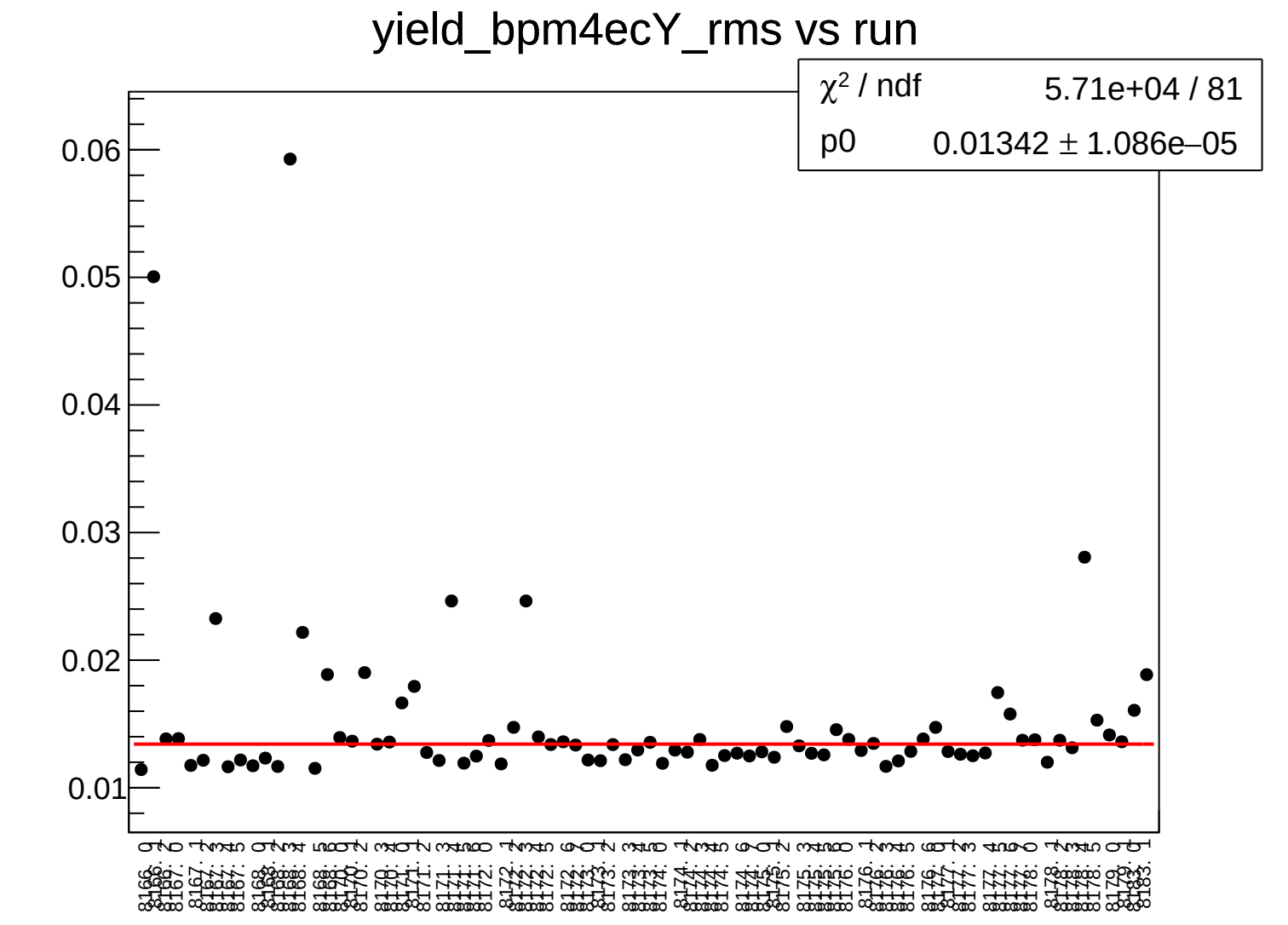

yield_bpm4ecX_mean vs run
χ² / ndf 6.55e+05 / 81
p0 −0.2386 ± 4.743e−05
pull
Entries 82
Mean 3.987e+05
Std Dev 0

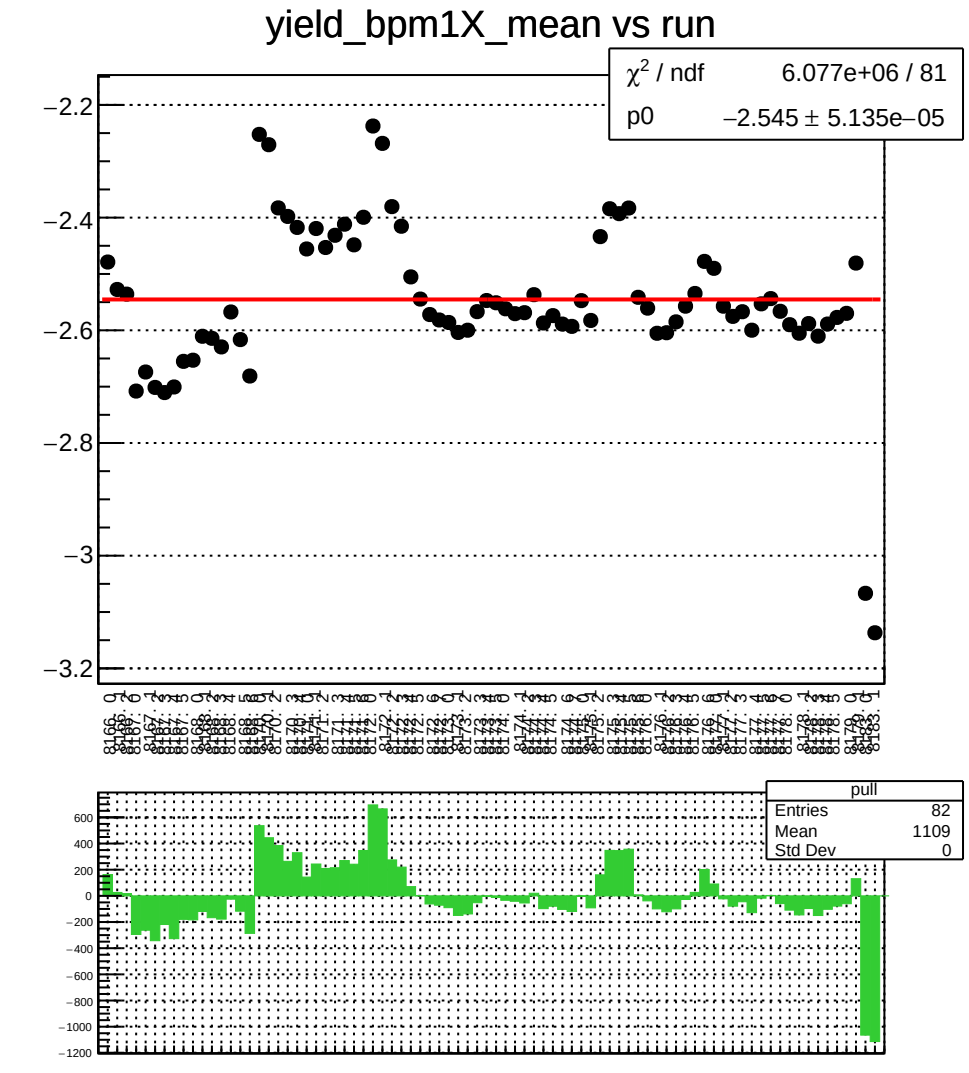

pull1D
Entries 82
Mean 1.346
Std Dev 4.28

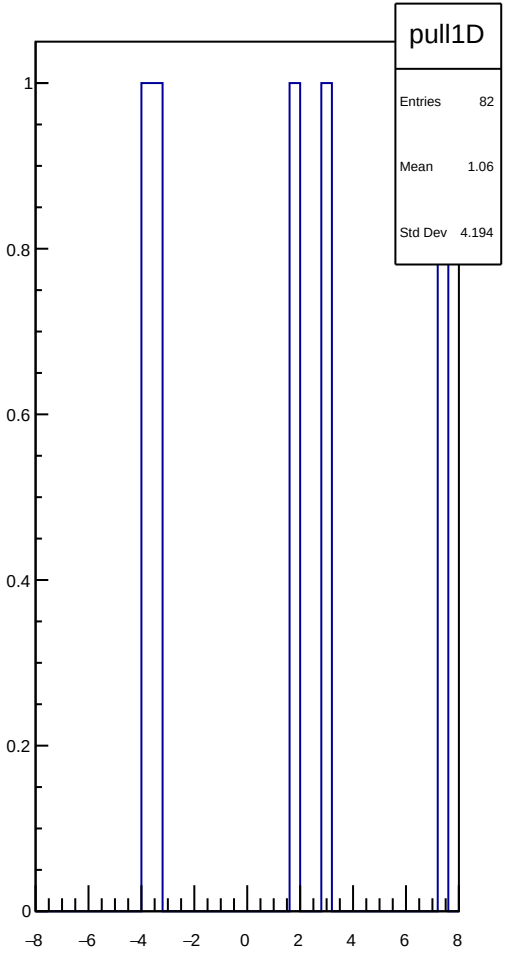

yield_bpm4ecX_rms vs run
χ² / ndf 3.58e+04 / 81
p0 0.04172 ± 3.354e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

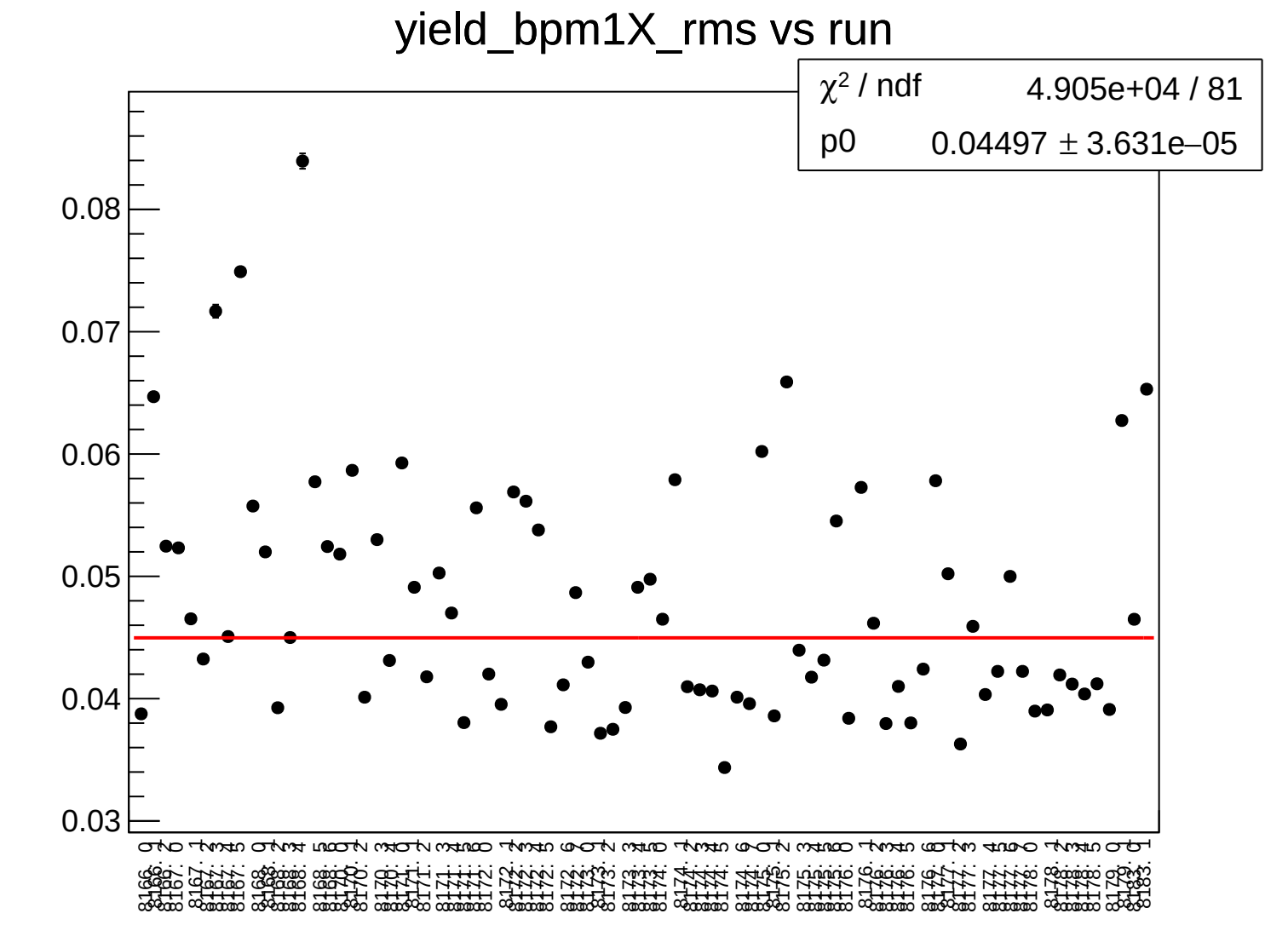

yield_bpm4ecY_mean vs run
χ² / ndf 1.163e+06 / 81
p0 −0.03684 ± 1.536e−05
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 82
Mean 749.1
Std Dev 0
100
0
−100
−200
−300
−400
−500
−600
−700

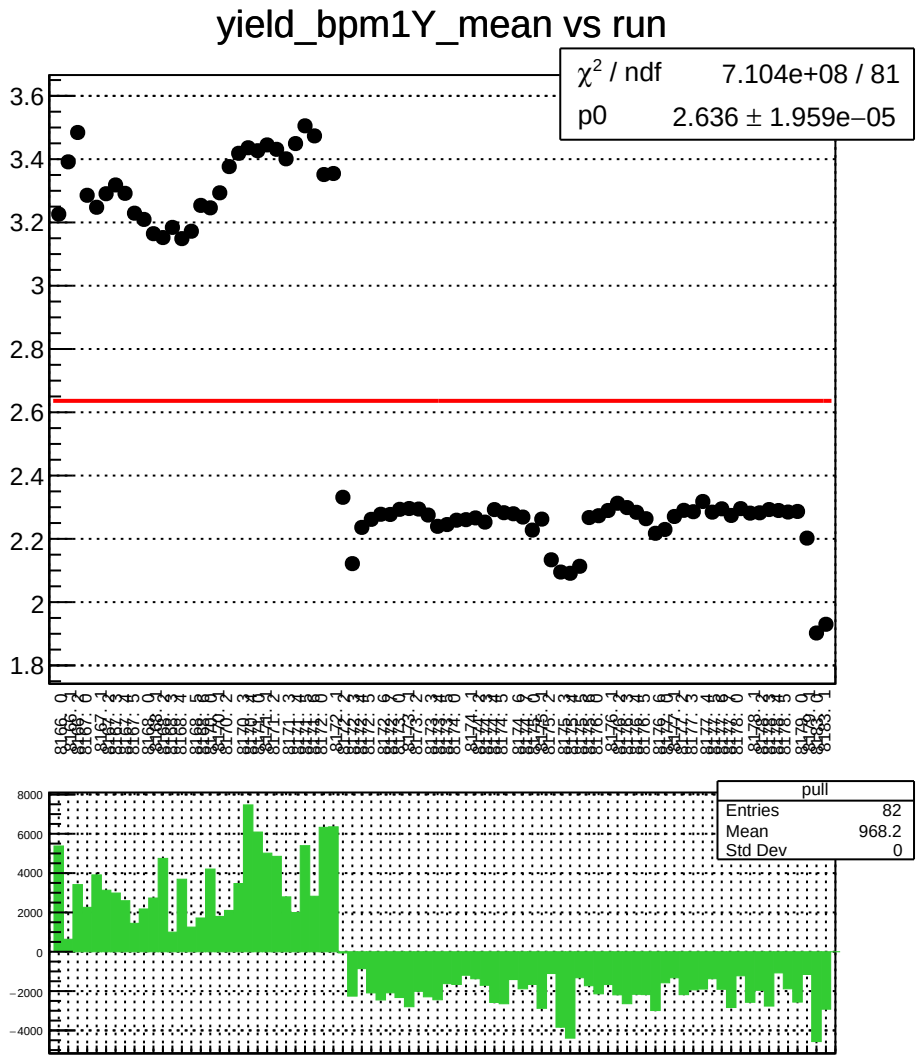

pull1D
Entries 82
Mean 0.2363
Std Dev 4.059
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

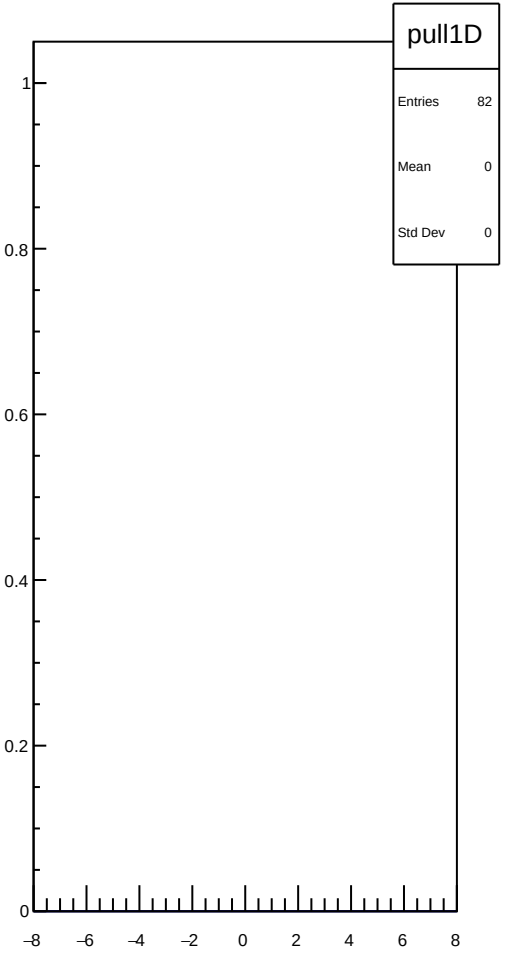

yield_bpm4ecY_rms vs run
χ² / ndf 5.71e+04 / 81
p0 0.01342 ± 1.086e−05
0.06
0.05
0.04
0.03
0.02
0.01

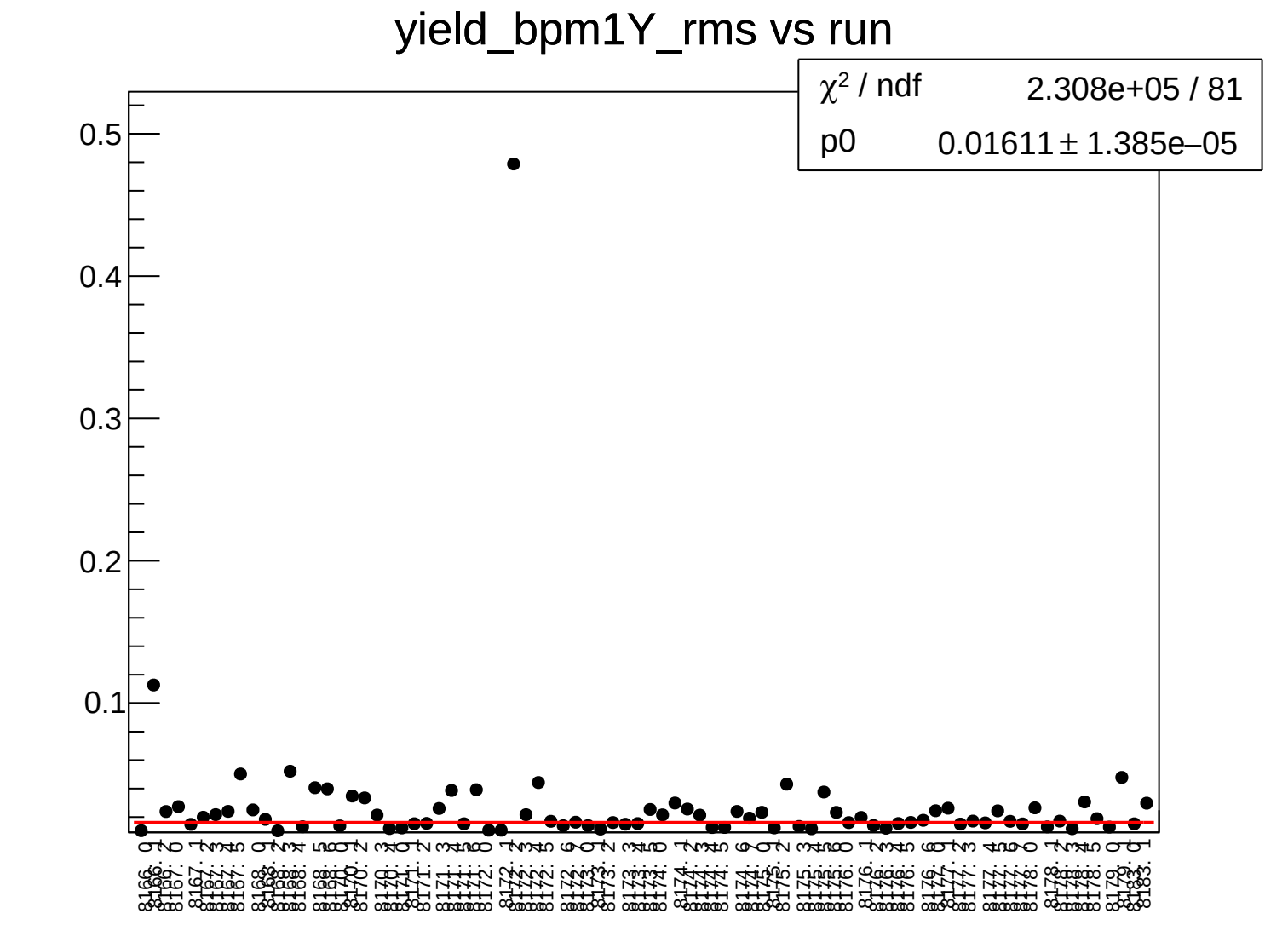

yield_bpm1X_mean vs run
χ² / ndf 6.077e+06 / 81
p0 −2.545 ± 5.135e−05
pull
Entries 82
Mean 1109
Std Dev 0

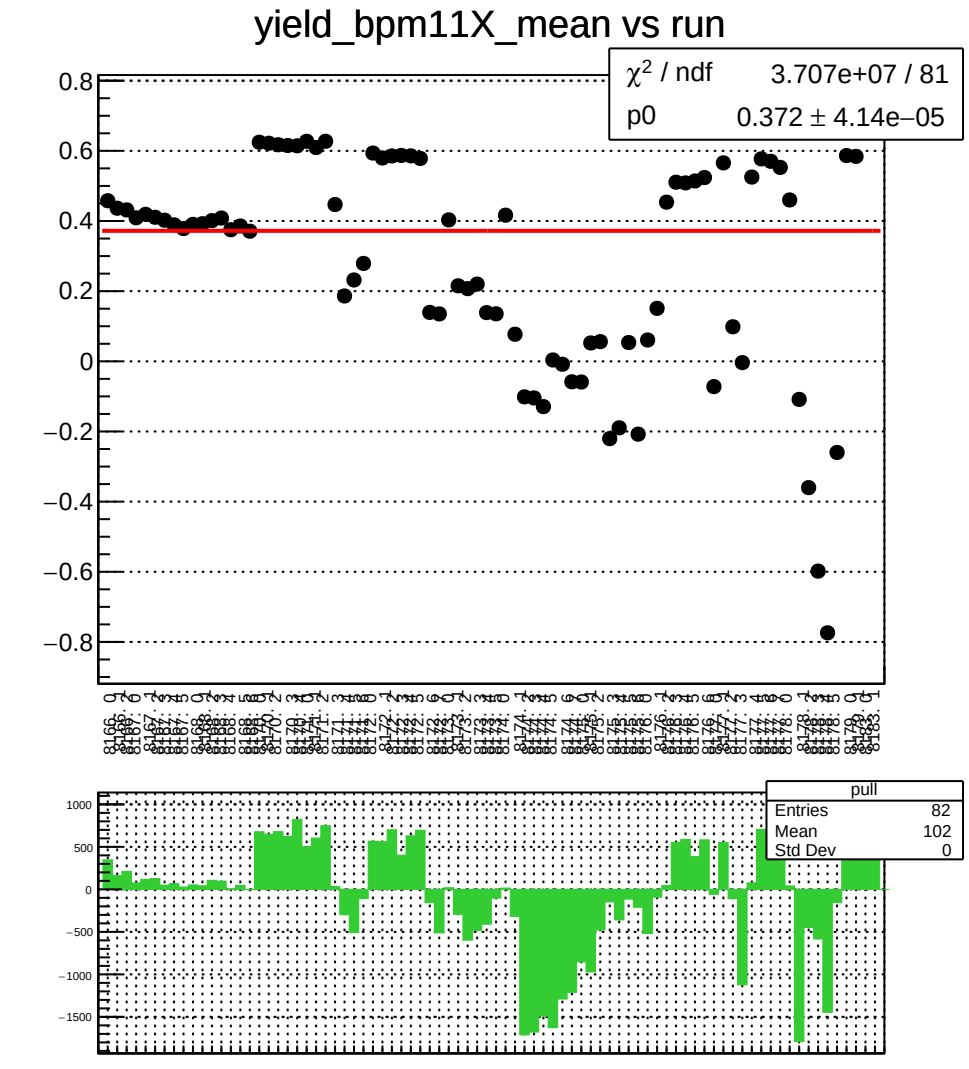

pull1D
Entries 82
Mean 1.06
Std Dev 4.194

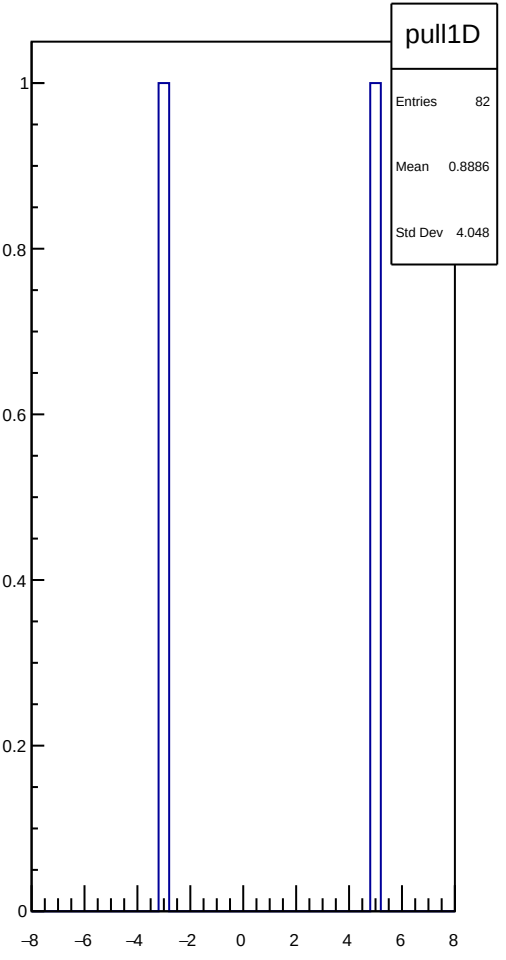

yield_bpm1X_rms vs run
χ² / ndf 4.905e+04 / 81
p0 0.04497 ± 3.631e–05
0.08
0.07
0.06
0.05
0.04
0.03

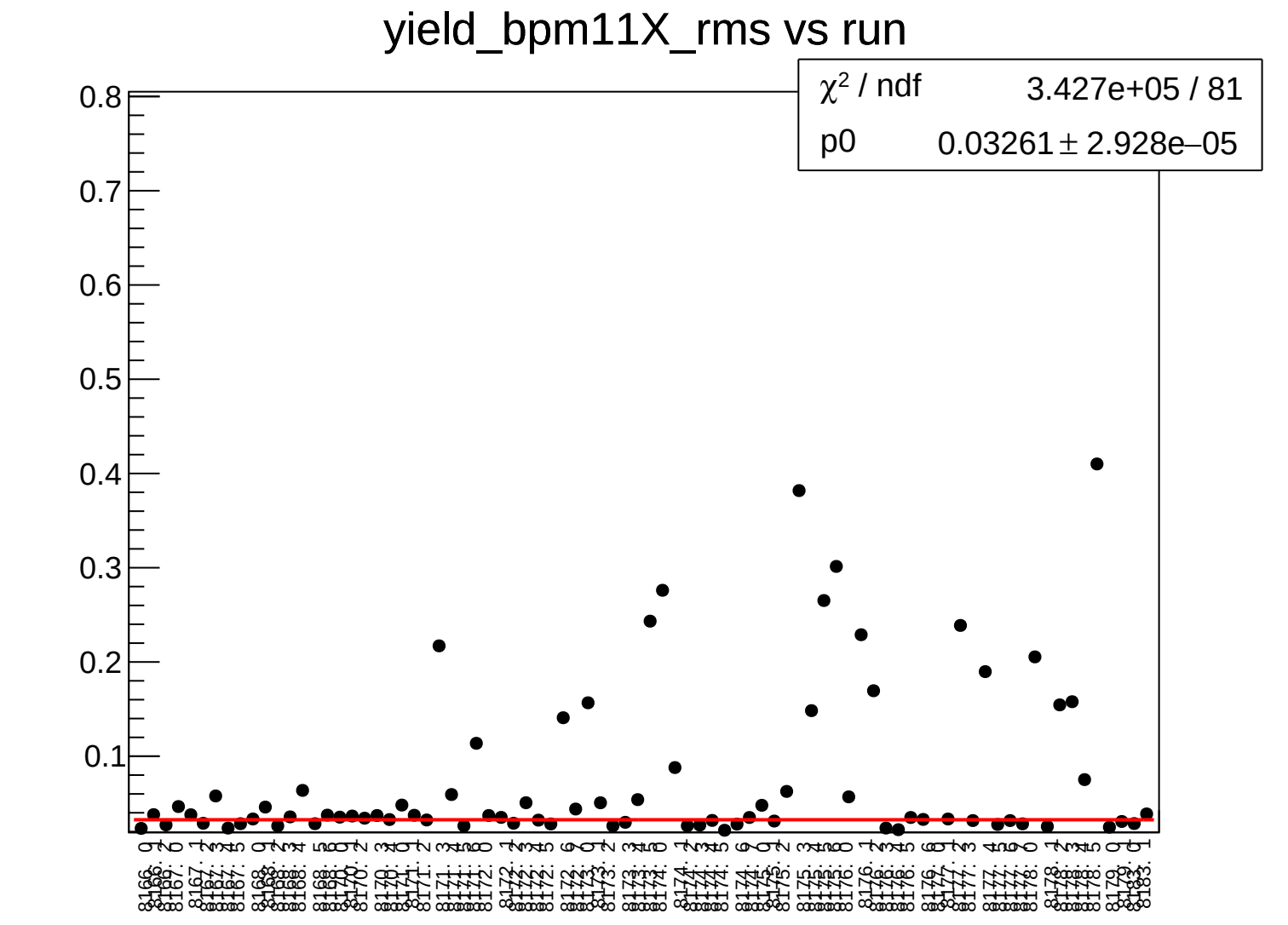

yield_bpm1Y_mean vs run
χ² / ndf 7.104e+08 / 81
p0 2.636 ± 1.959e−05
pull
Entries 82
Mean 968.2
Std Dev 0

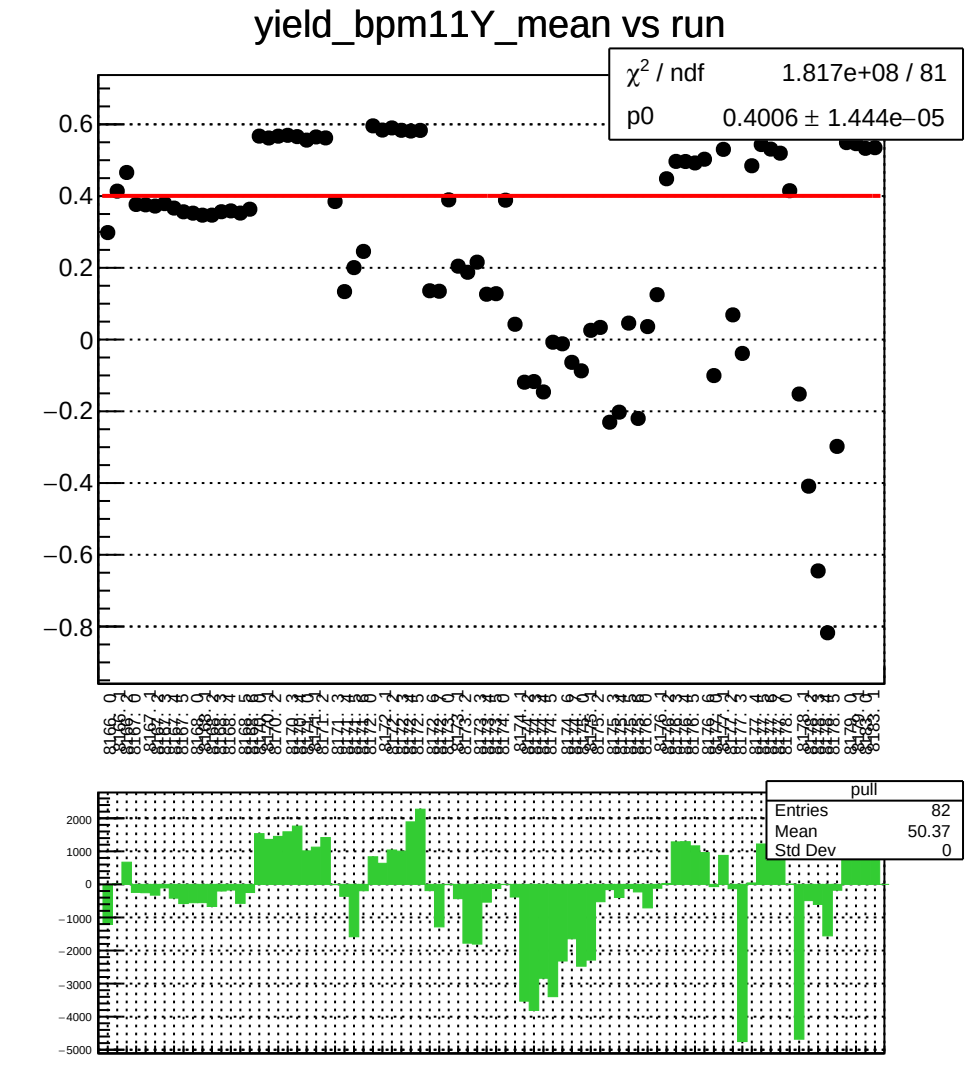

pull1D
Entries 82
Mean 0
Std Dev 0

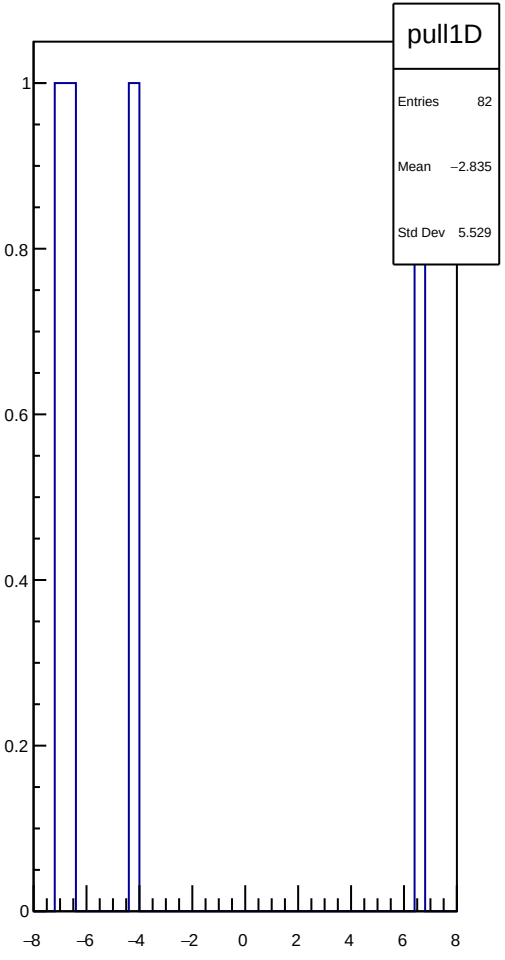

yield_bpm1Y_rms vs run
χ^2 / ndf 2.308e+05 / 81
p0 0.01611 ± 1.385e−05
0.5
0.4
0.3
0.2
0.1

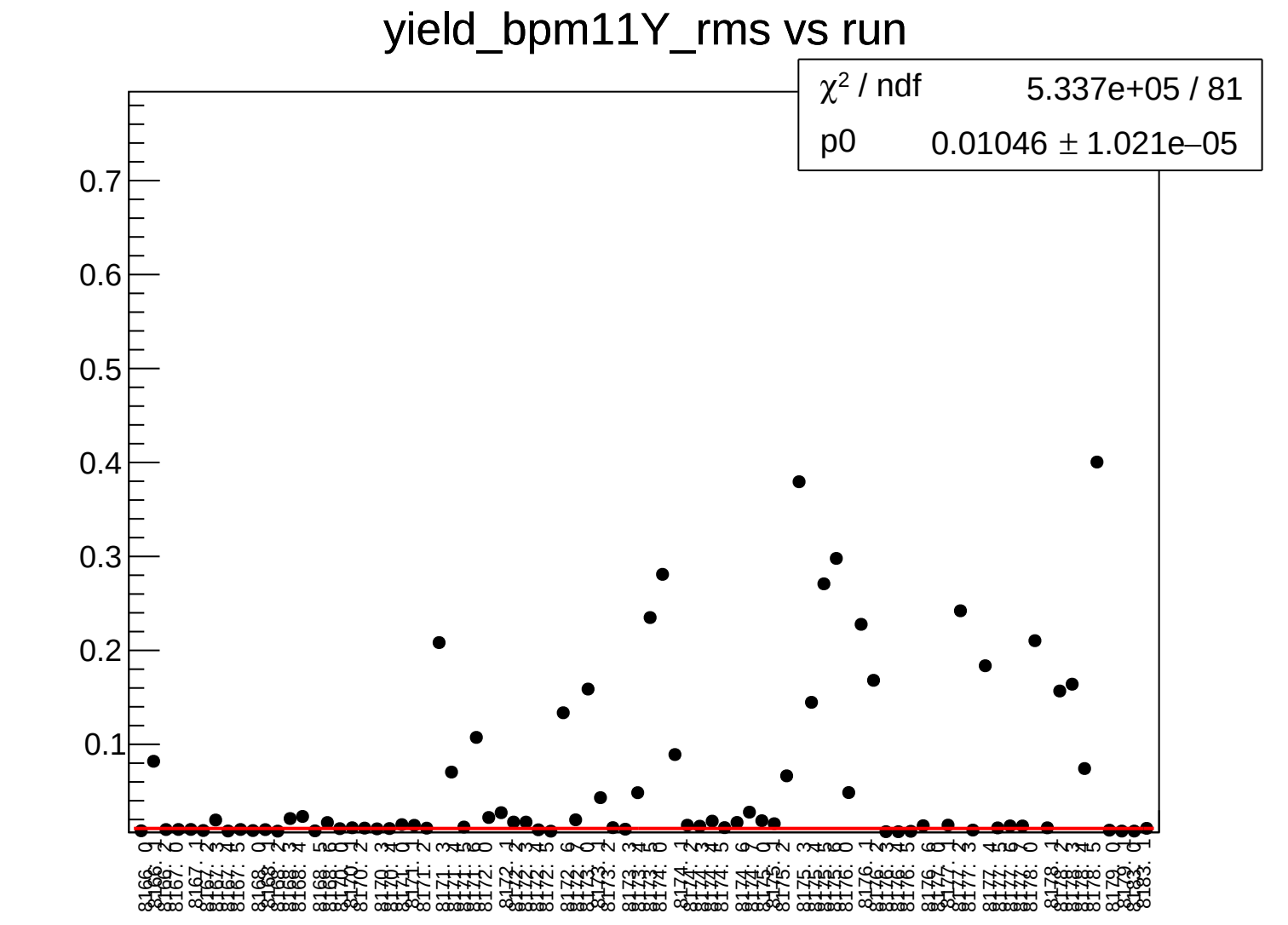

yield_bpm11X_mean vs run
χ² / ndf 3.707e+07 / 81
p0 0.372 ± 4.14e−05
pull
Entries 82
Mean 102
Std Dev 0

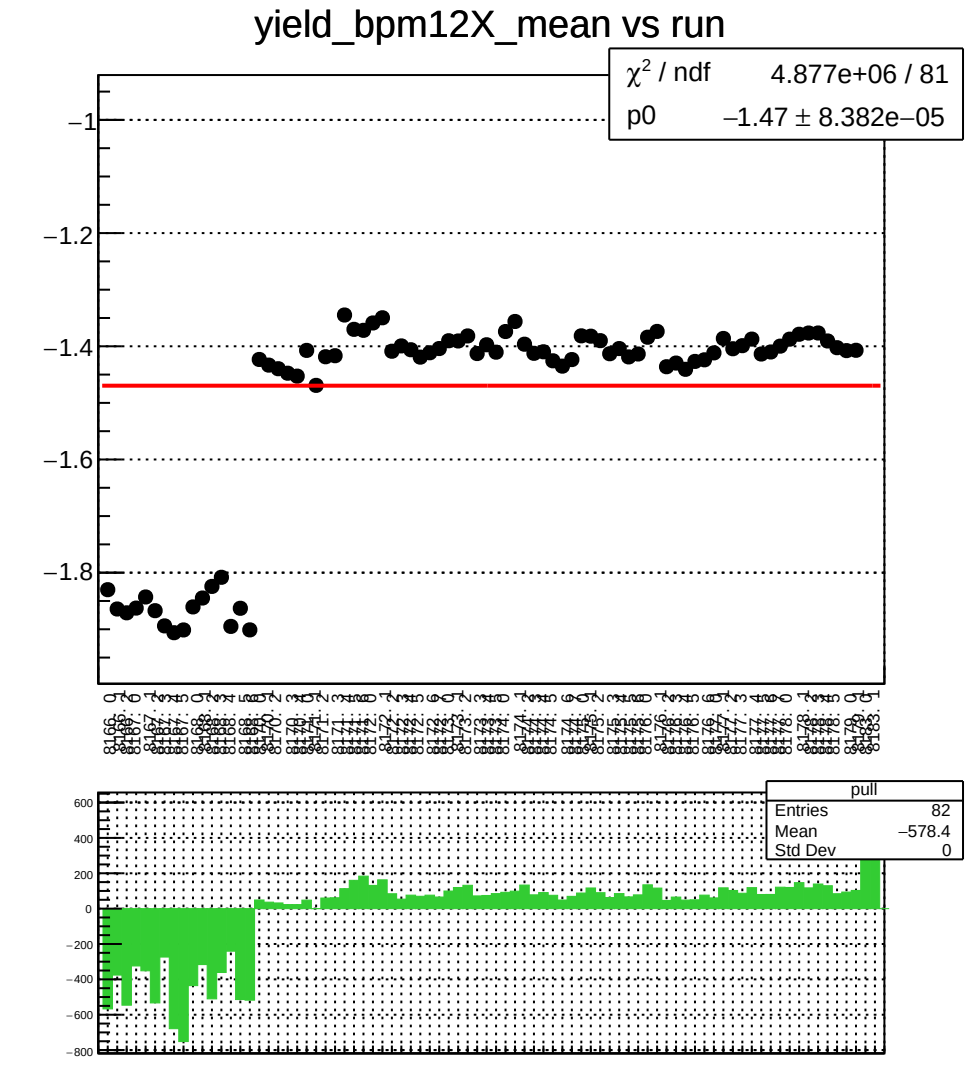

pull1D
Entries 82
Mean 0.8886
Std Dev 4.048

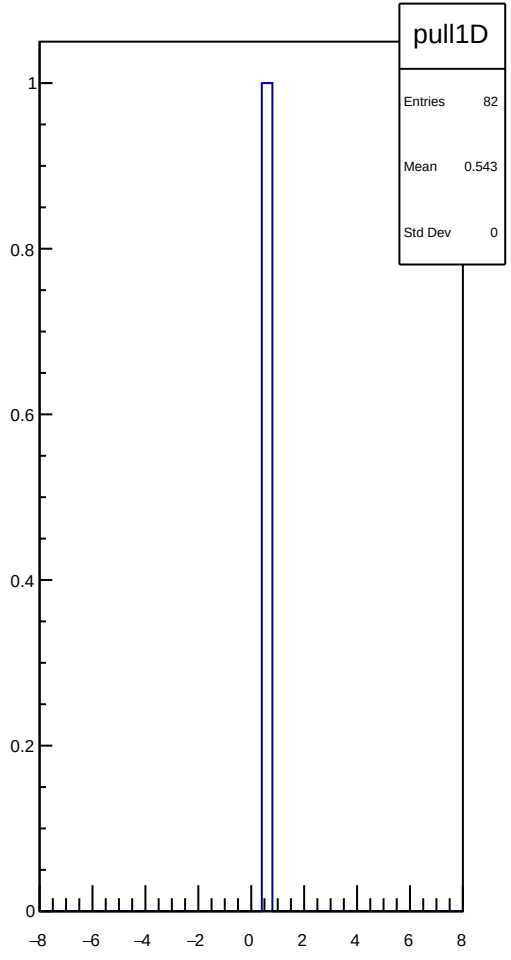

yield_bpm11X_rms vs run
χ² / ndf 3.427e+05 / 81
p0 0.03261 ± 2.928e–05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

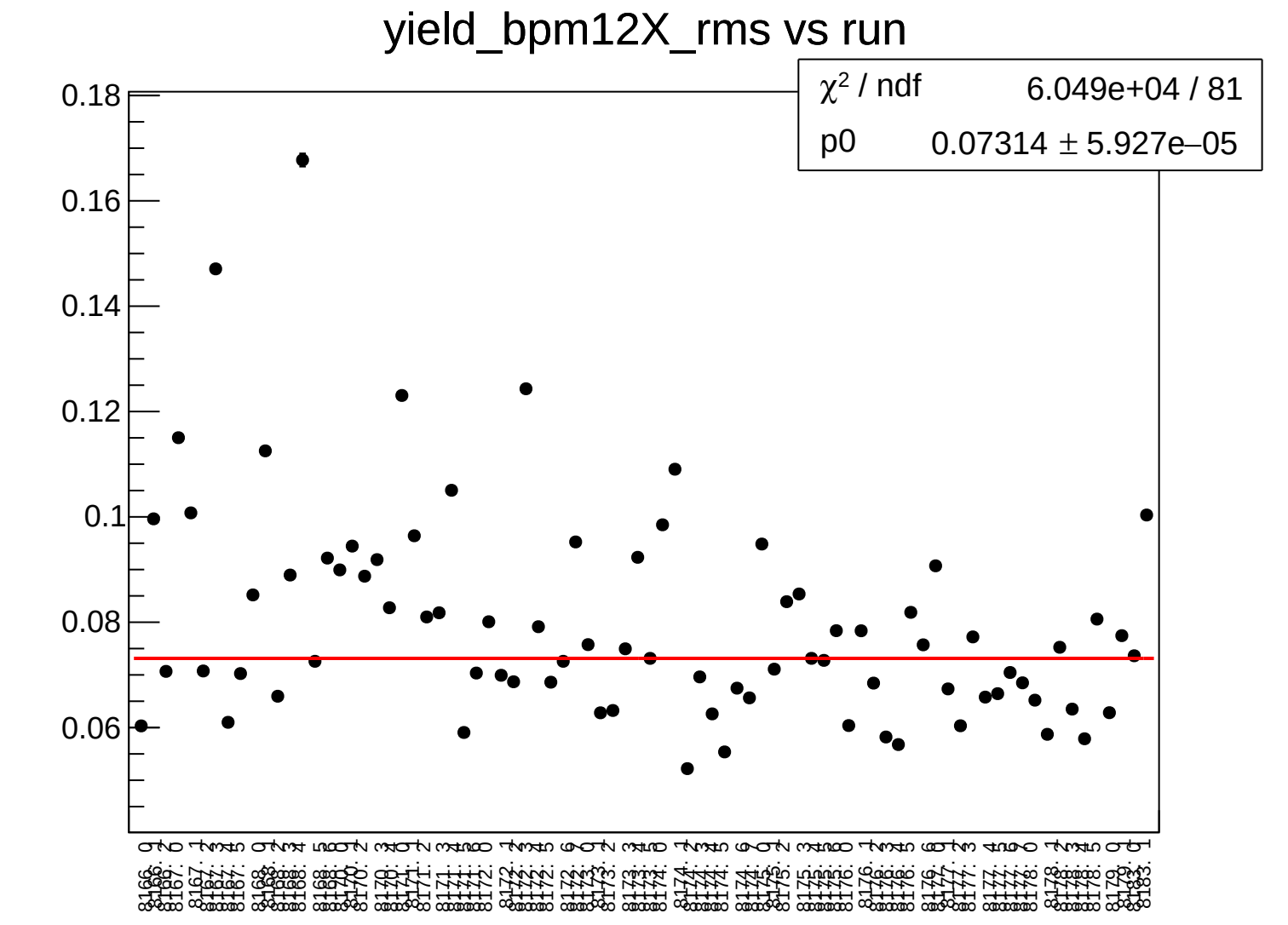

yield_bpm11Y_mean vs run
χ² / ndf 1.817e+08 / 81
p0 0.4006 ± 1.444e−05
pull
Entries 82
Mean 50.37
Std Dev 0

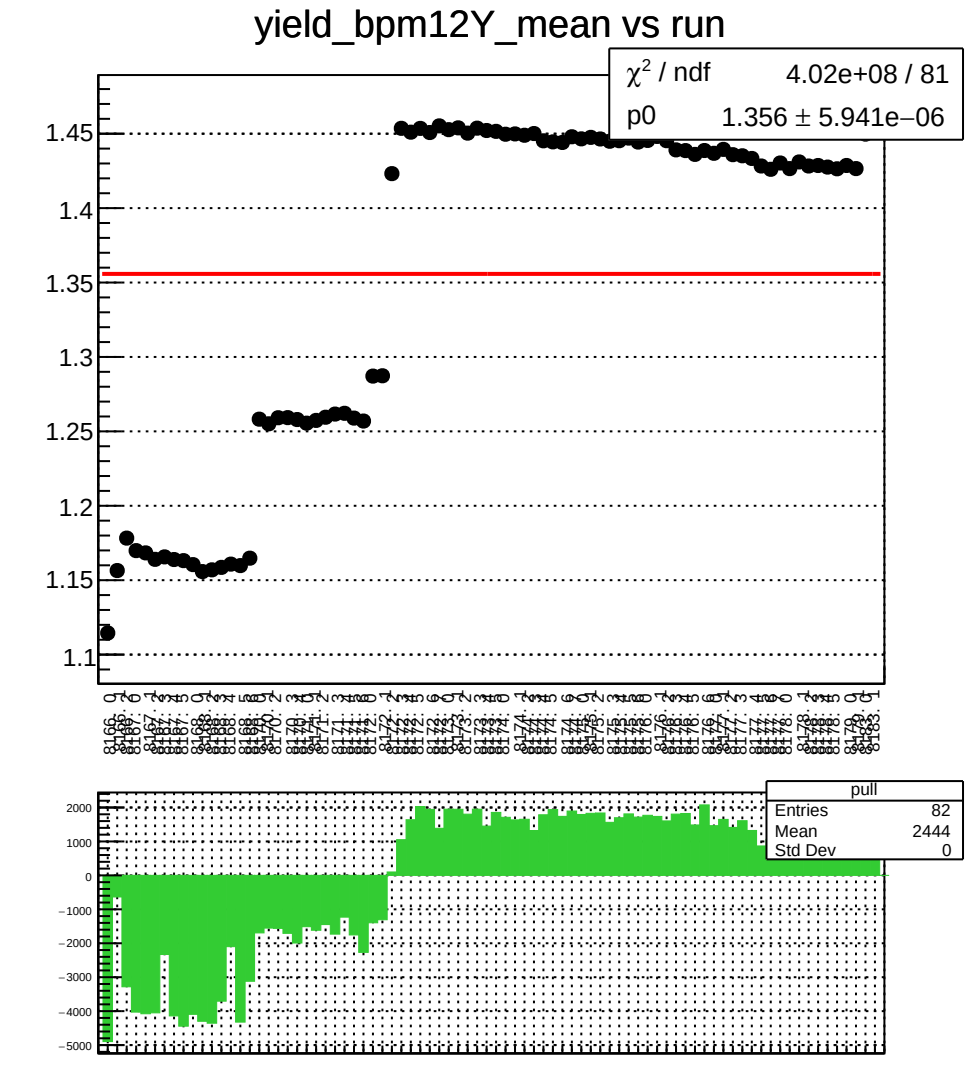

pull1D
Entries 82
Mean −2.835
Std Dev 5.529

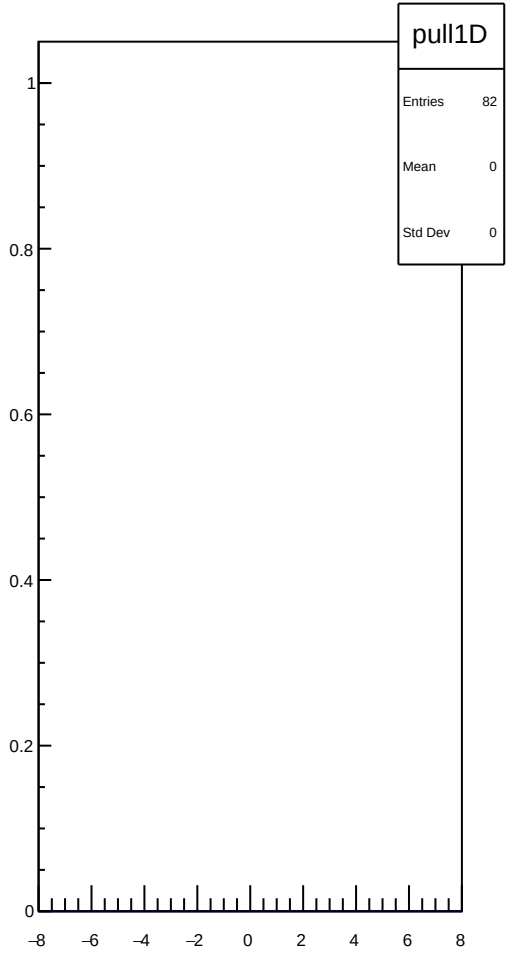

yield_bpm11Y_rms vs run
χ² / ndf 5.337e+05 / 81
p0 0.01046 ± 1.021e−05
0.7
0.6
0.5
0.4
0.3
0.2
0.1

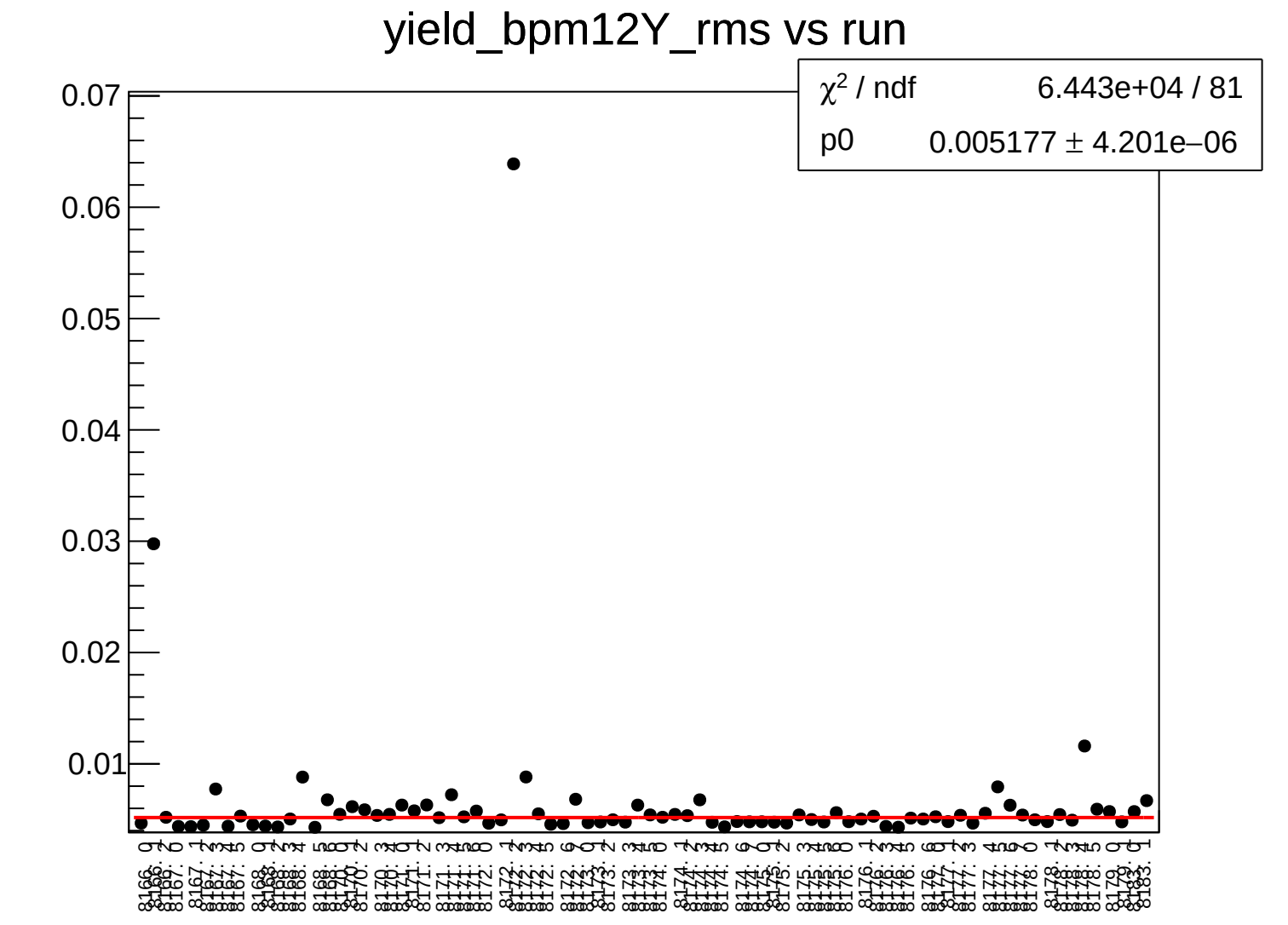

yield_bpm12X_mean vs run
χ² / ndf 4.877e+06 / 81
p0 −1.47 ± 8.382e−05
pull
Entries 82
Mean −578.4
Std Dev 0

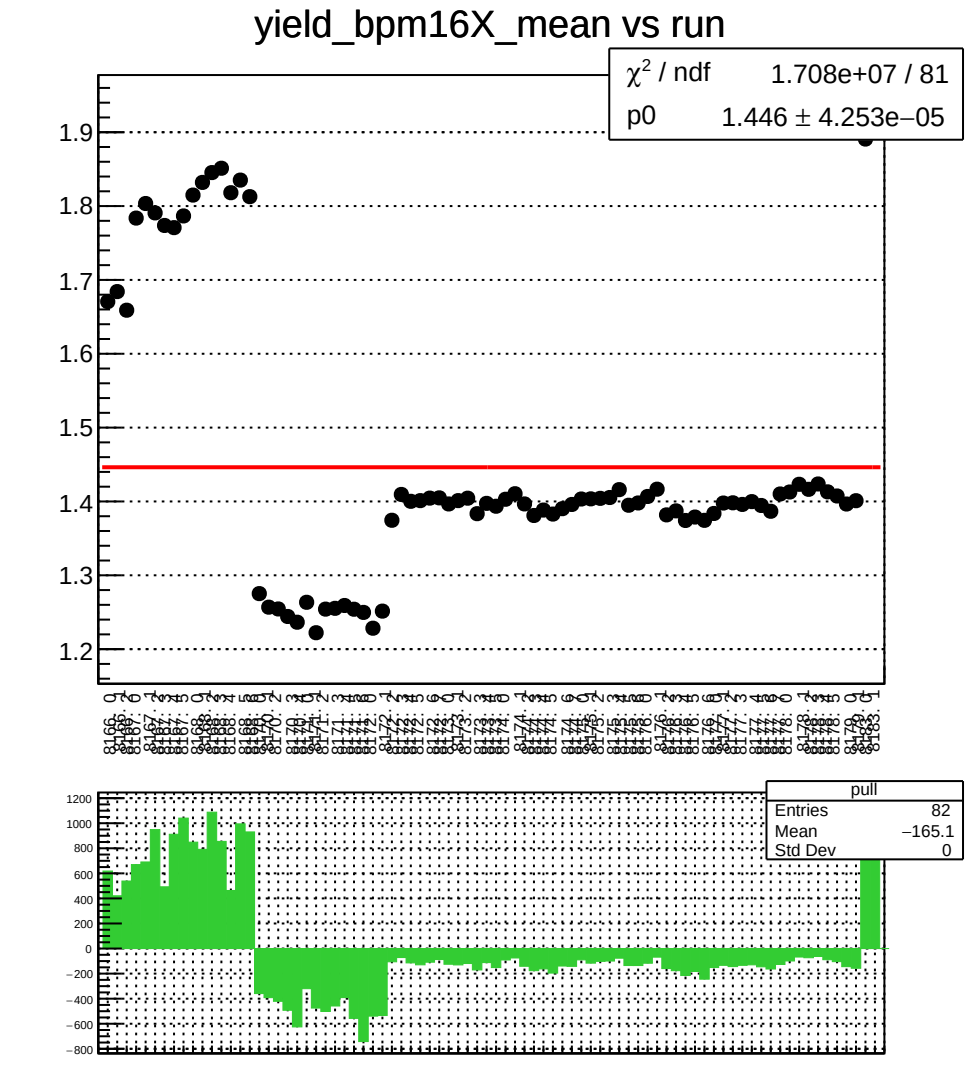

pull1D
Entries 82
Mean 0.543
Std Dev 0

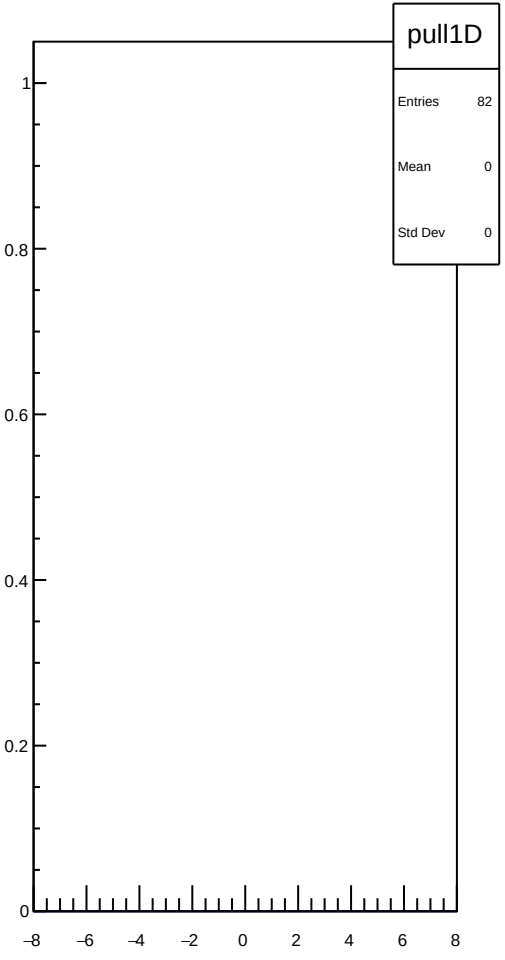

yield_bpm12X_rms vs run
χ² / ndf 6.049e+04 / 81
p0 0.07314 ± 5.927e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06

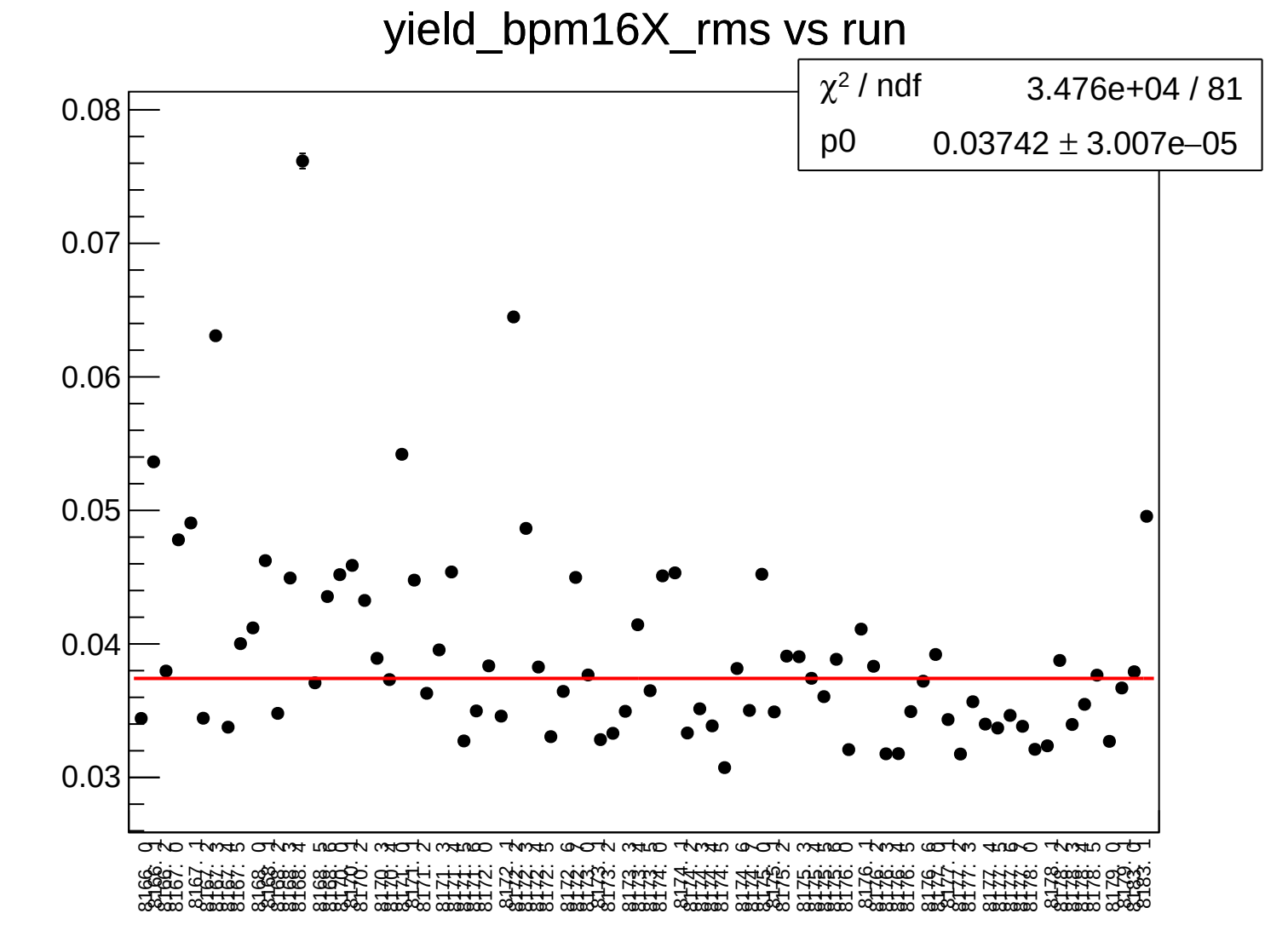

yield_bpm12Y_mean vs run
χ² / ndf 4.02e+08 / 81
p0 1.356 ± 5.941e−06
1.45
1.4
1.35
1.3
1.25
1.2
1.15
1.1
pull
Entries 82
Mean 2444
Std Dev 0
2000
1000
0
−1000
−2000
−3000
−4000
−5000

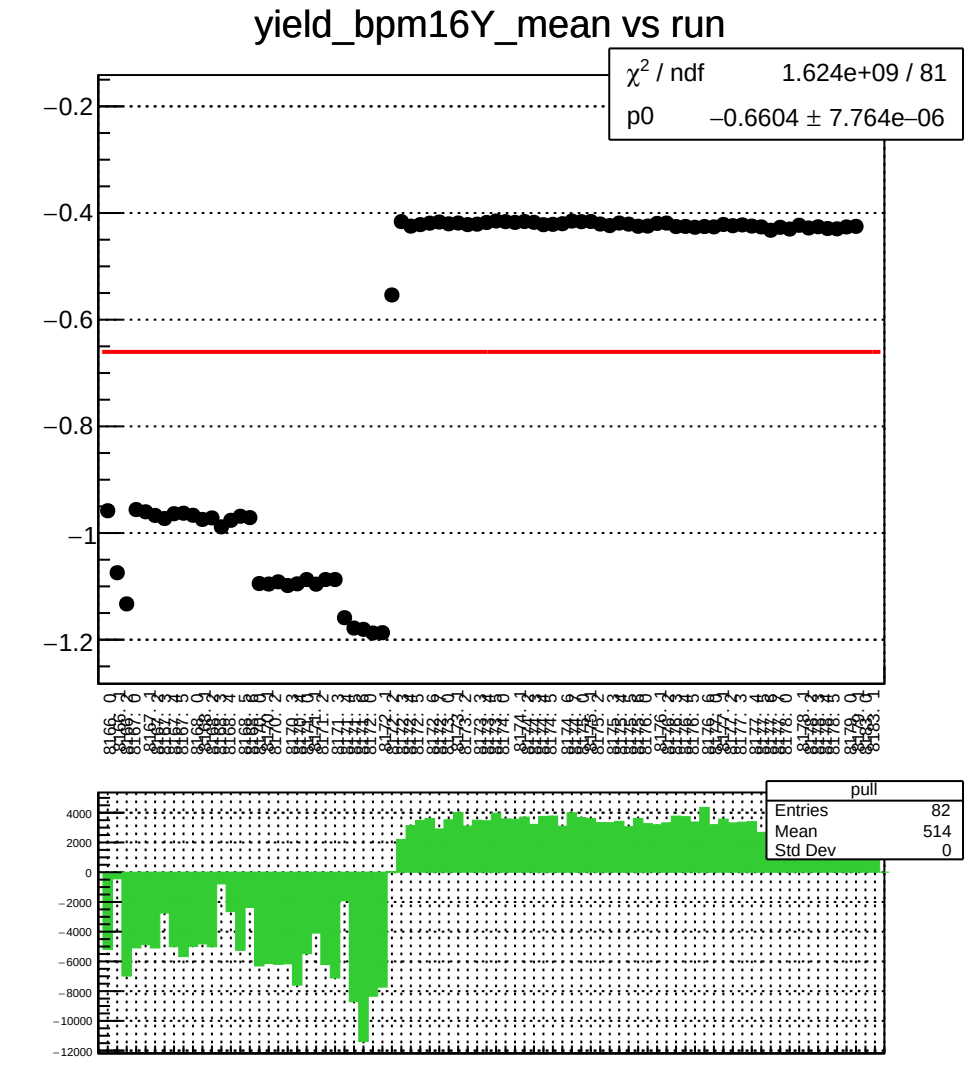

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

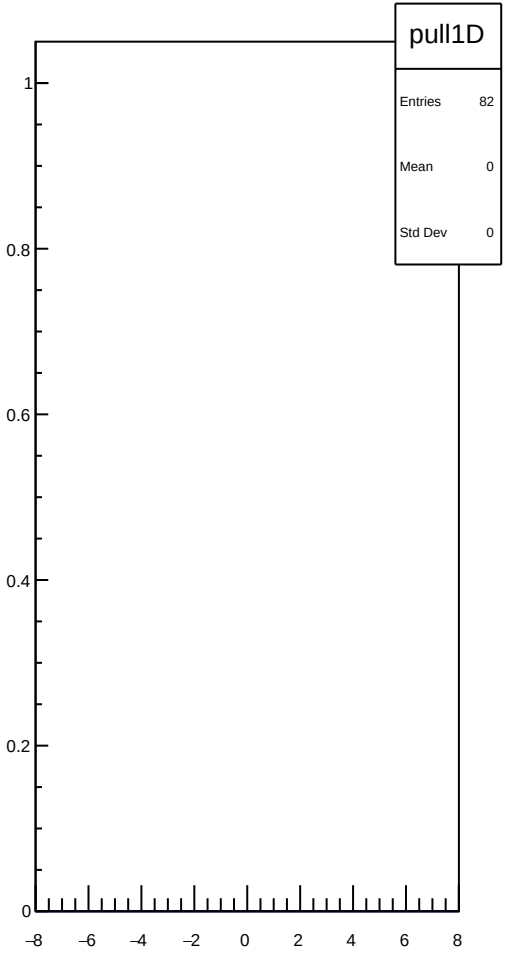

yield_bpm12Y_rms vs run
χ² / ndf 6.443e+04 / 81
p0 0.005177 ± 4.201e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

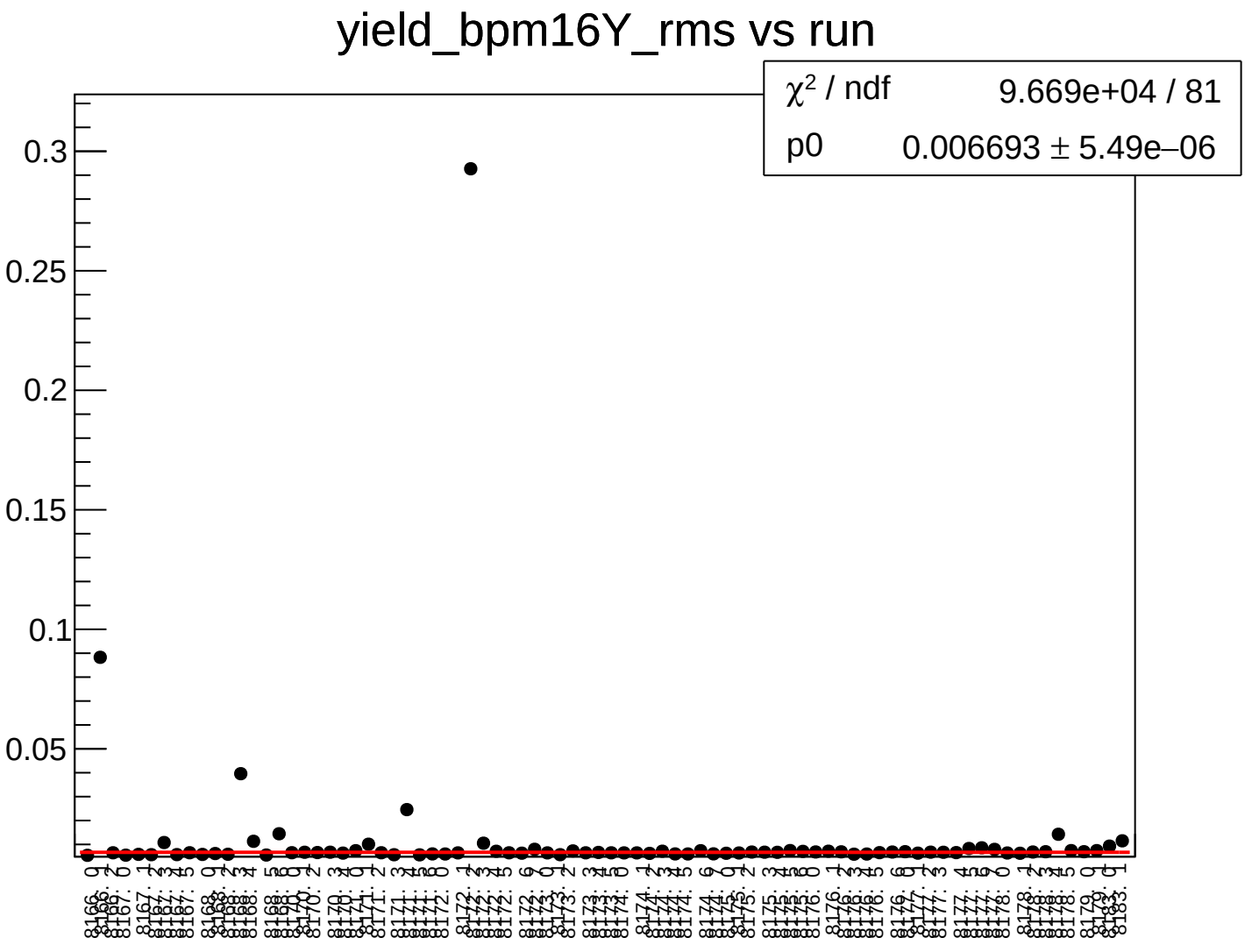

yield_bpm16X_mean vs run
χ² / ndf 1.708e+07 / 81
p0 1.446 ± 4.253e−05
pull
Entries 82
Mean −165.1
Std Dev 0

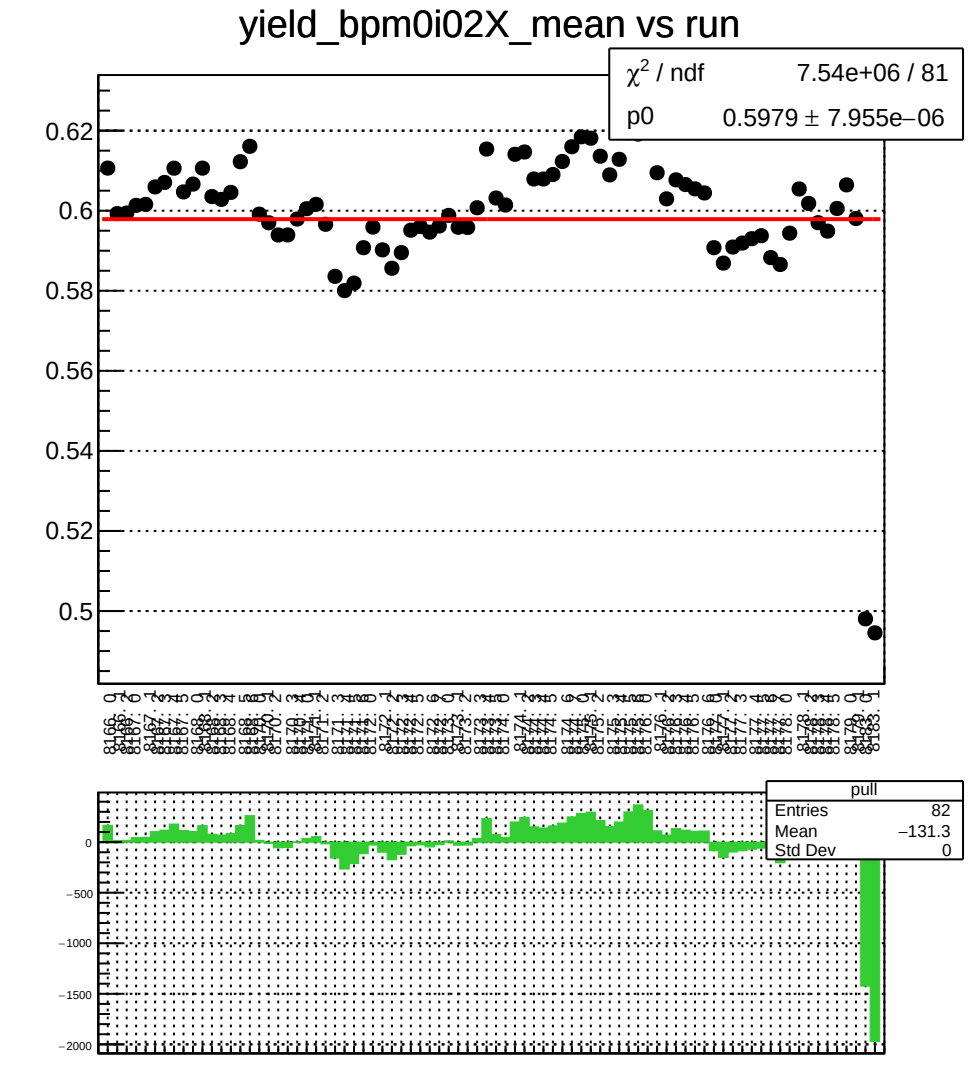

pull1D
Entries 82
Mean 0
Std Dev 0

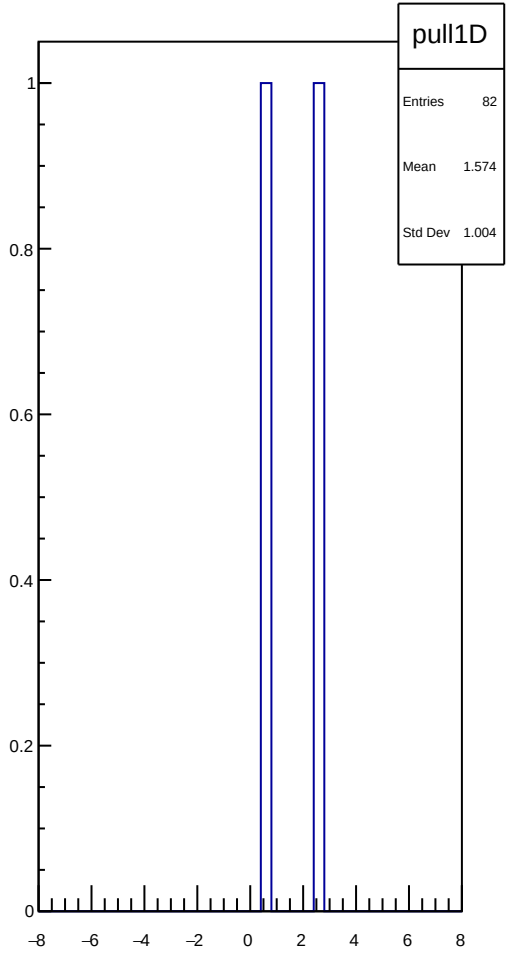

yield_bpm16X_rms vs run
χ² / ndf 3.476e+04 / 81
p0 0.03742 ± 3.007e–05
0.08
0.07
0.06
0.05
0.04
0.03

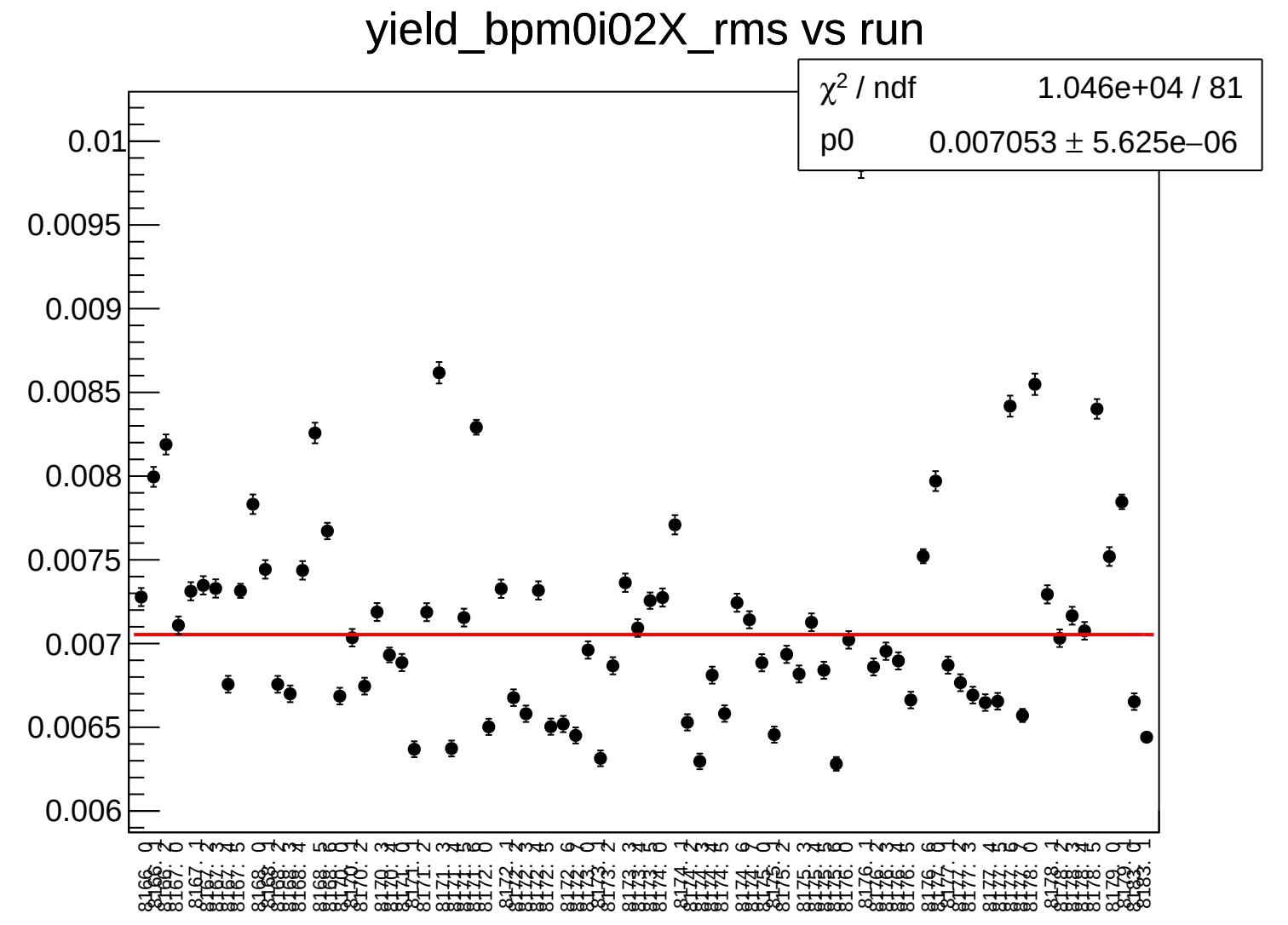

yield_bpm16Y_mean vs run
χ² / ndf 1.624e+09 / 81
p0 −0.6604 ± 7.764e−06
pull
Entries 82
Mean 514
Std Dev 0

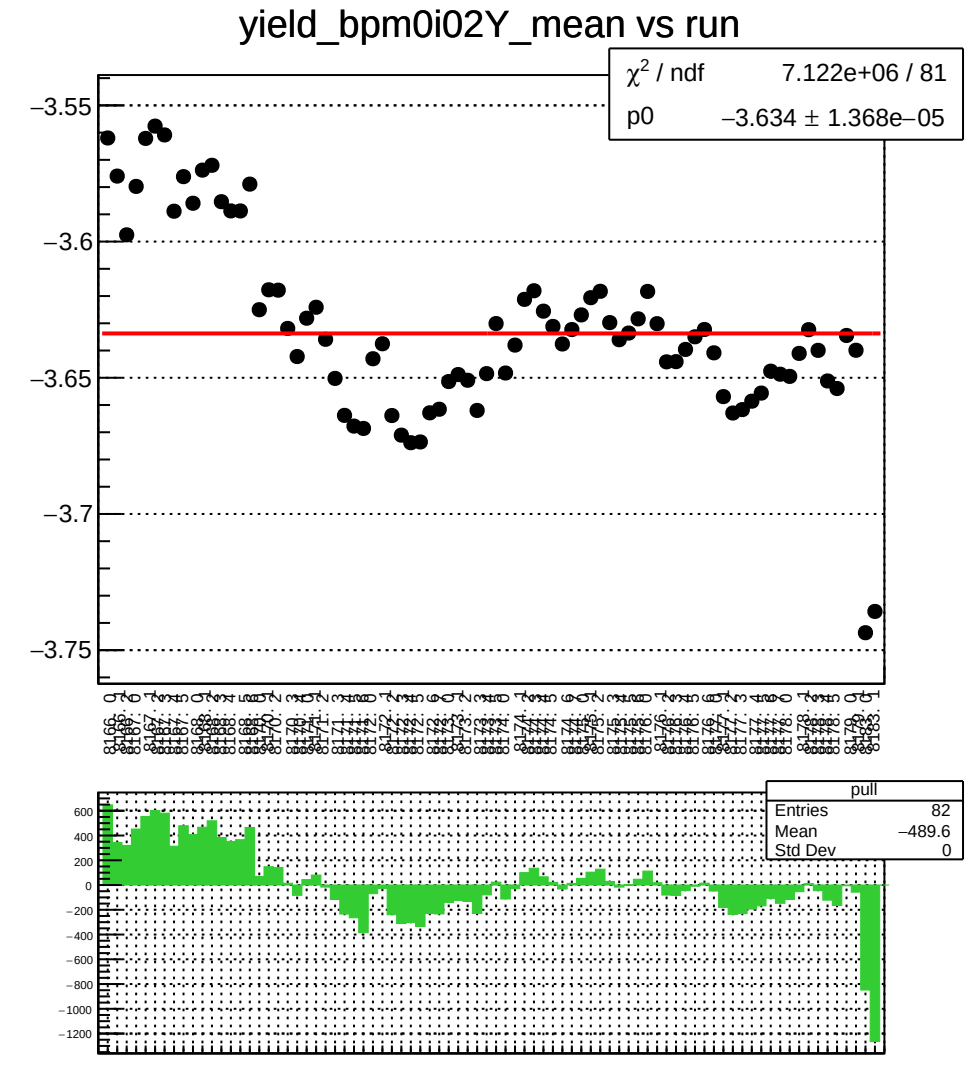

pull1D
Entries 82
Mean 0
Std Dev 0

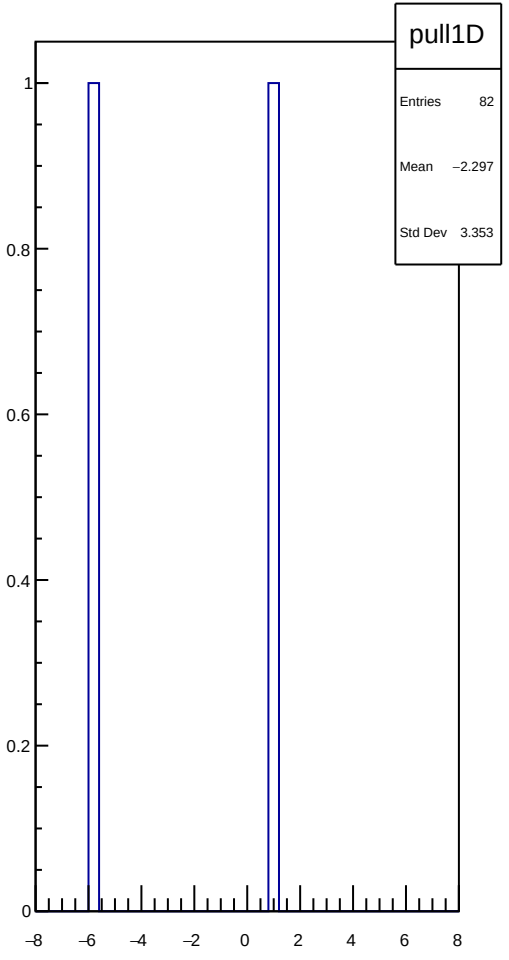

yield_bpm16Y_rms vs run
χ² / ndf 9.669e+04 / 81
p0 0.006693 ± 5.49e−06
0.3
0.25
0.2
0.15
0.1
0.05

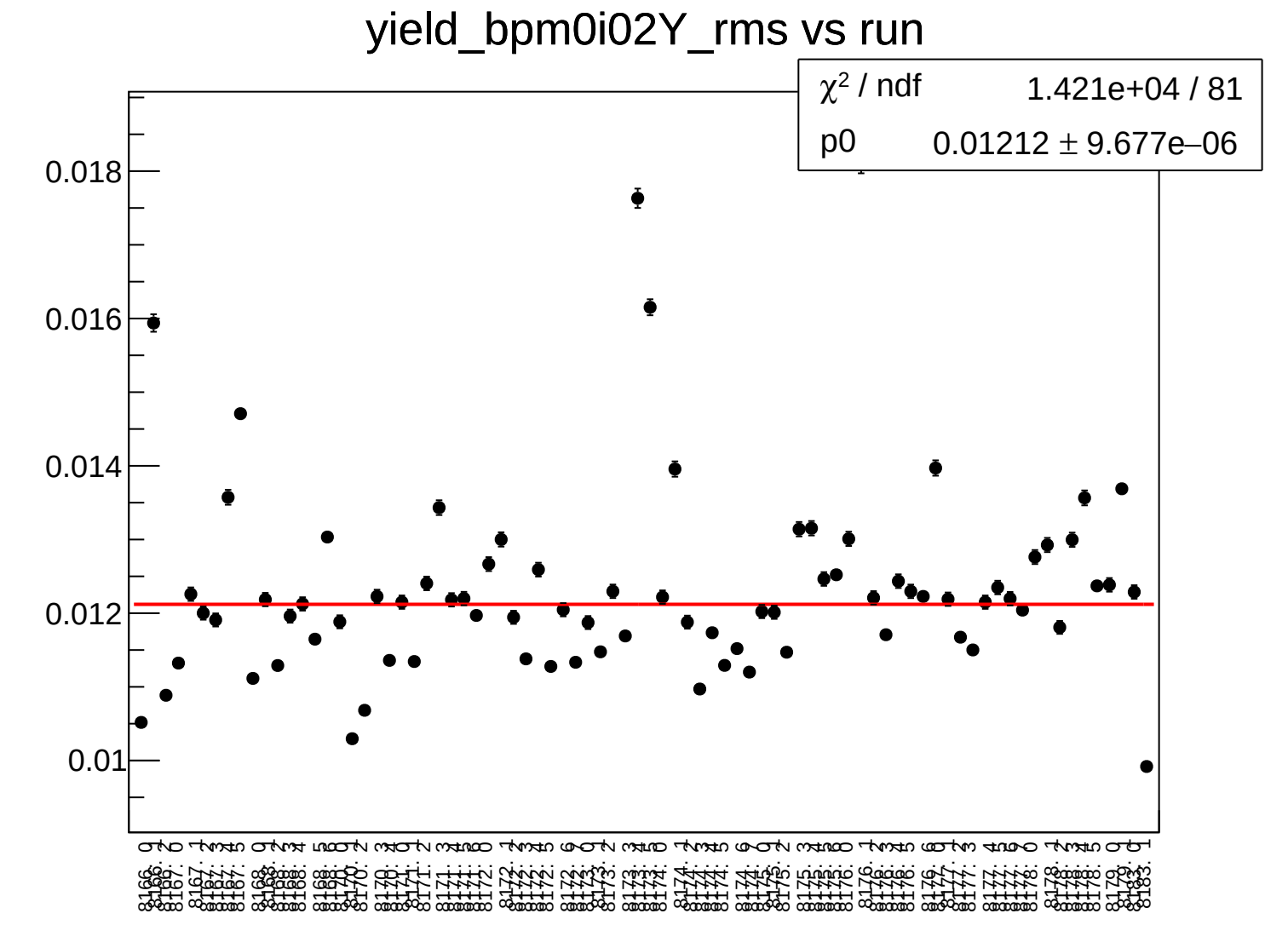

yield_bpm0i02X_mean vs run
χ² / ndf 7.54e+06 / 81
p0 0.5979 ± 7.955e−06
0.62
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 82
Mean −131.3
Std Dev 0
0
−500
−1000
−1500
−2000

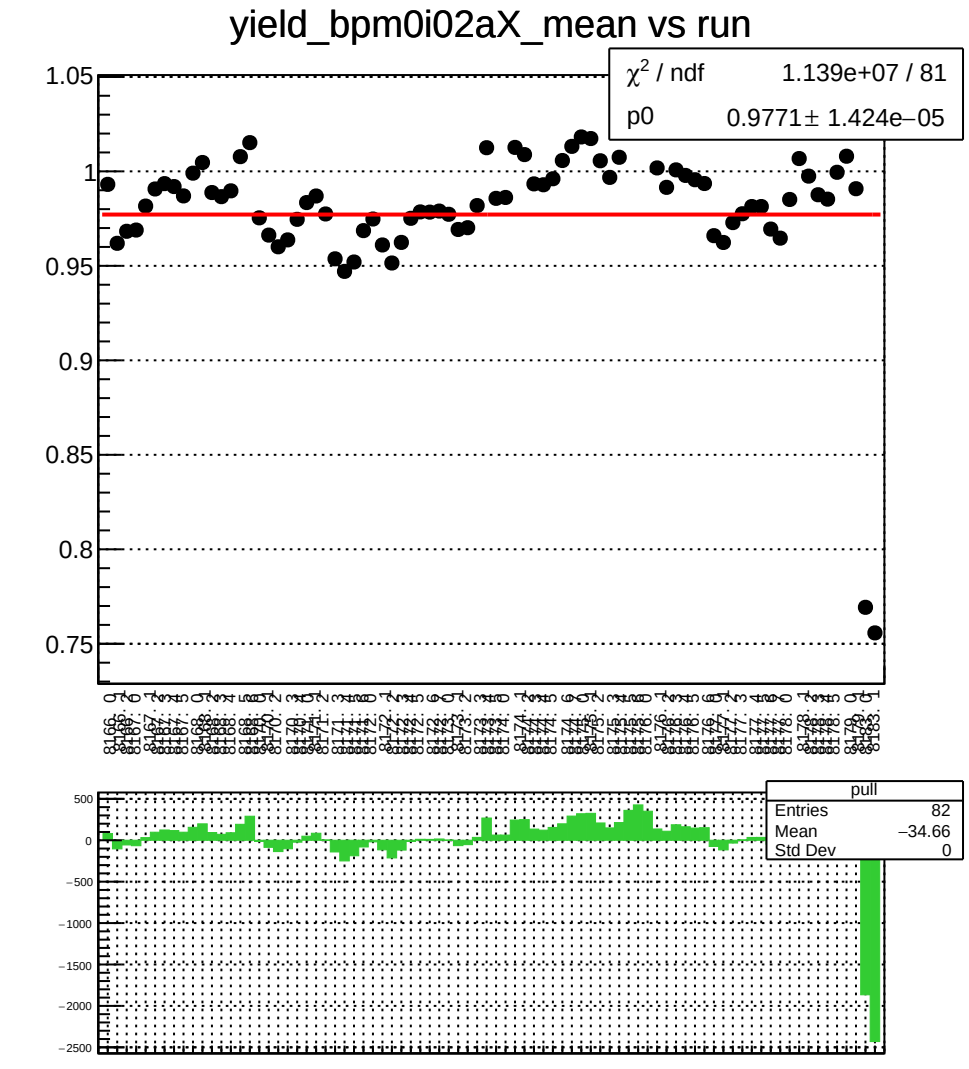

pull1D
Entries 82
Mean 1.574
Std Dev 1.004
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

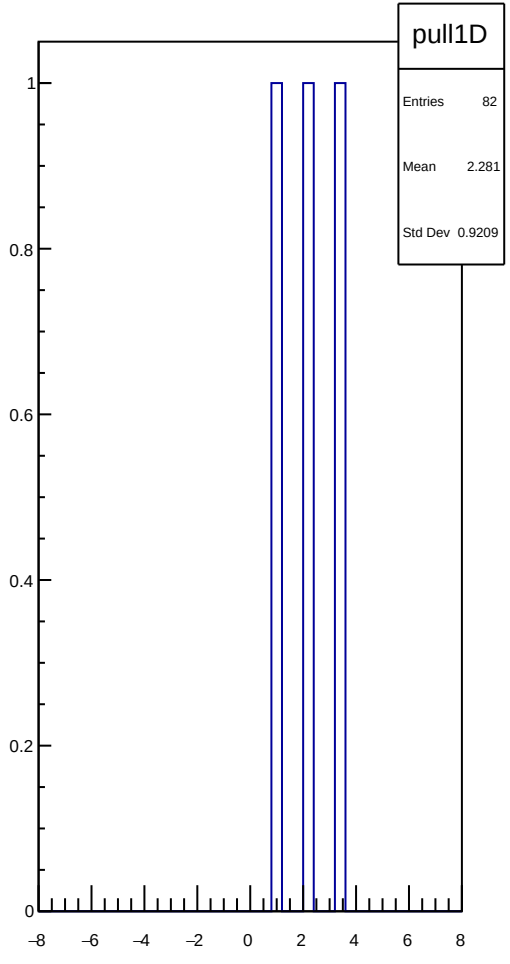

yield_bpm0i02X_rms vs run
χ² / ndf 1.046e+04 / 81
p0 0.007053 ± 5.625e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006

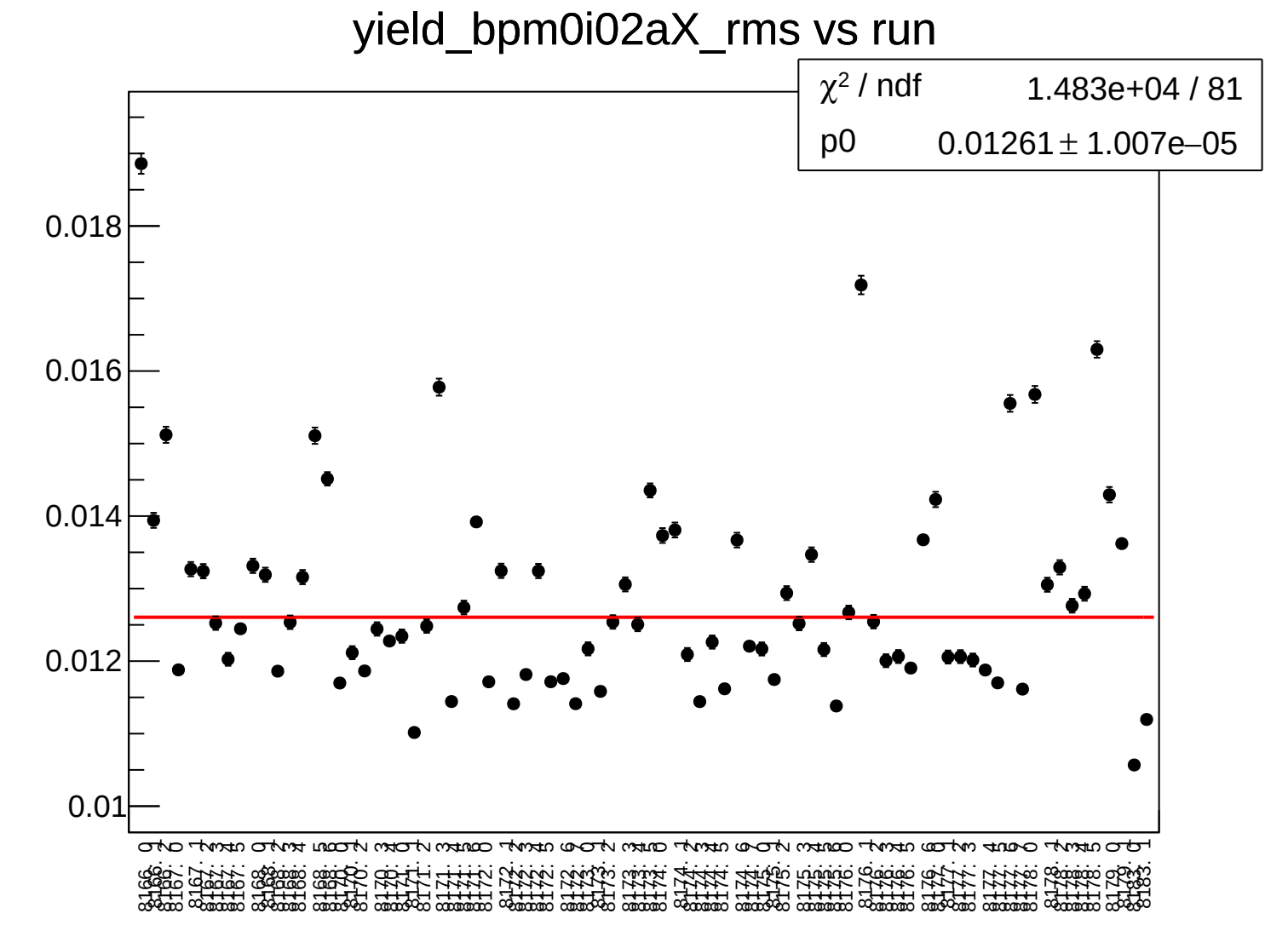

yield_bpm0i02Y_mean vs run
χ² / ndf 7.122e+06 / 81
p0 −3.634 ± 1.368e−05
−3.55
−3.6
−3.65
−3.7
−3.75
pull
Entries 82
Mean −489.6
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200

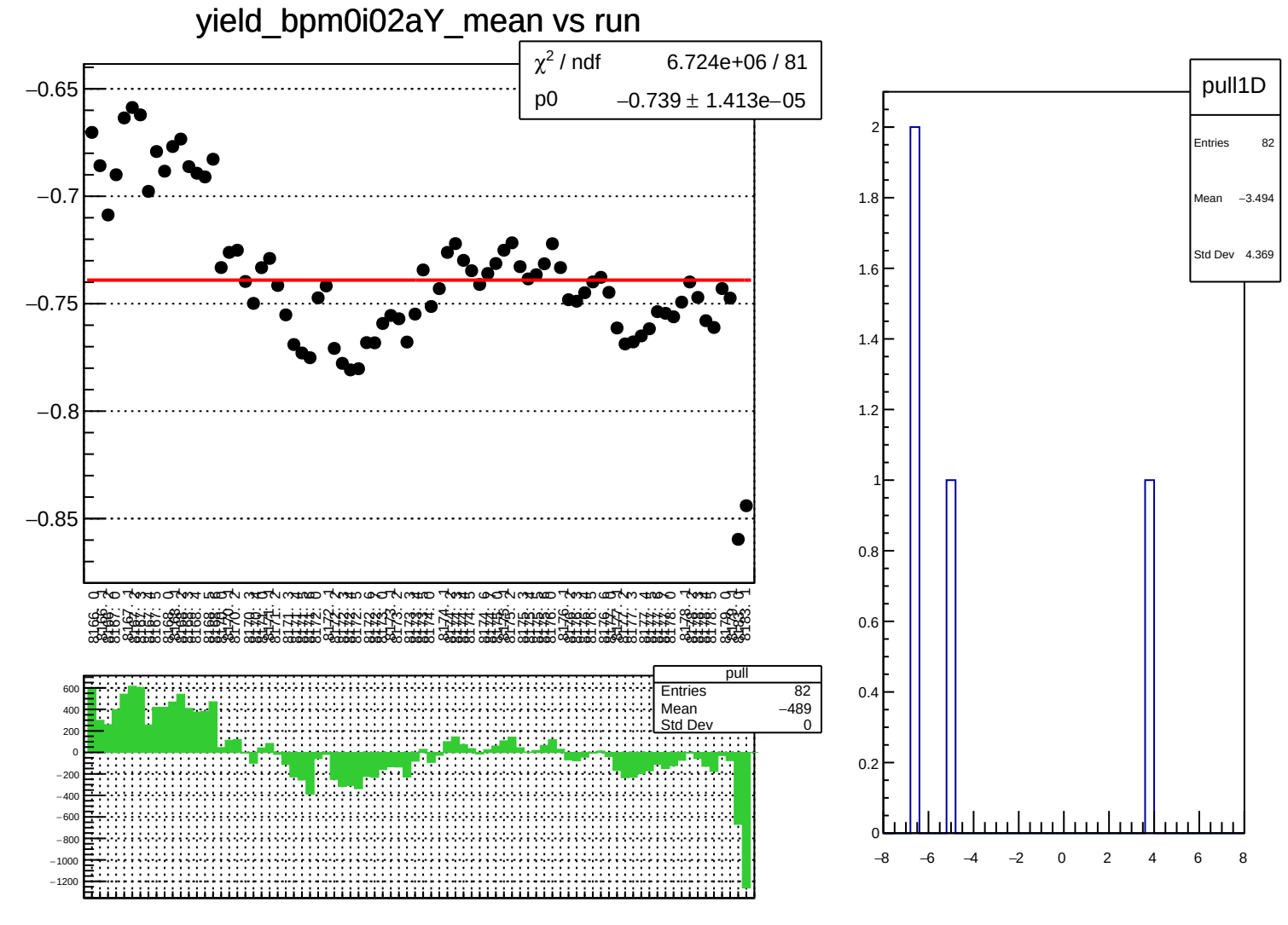

pull1D
Entries 82
Mean −2.297
Std Dev 3.353
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

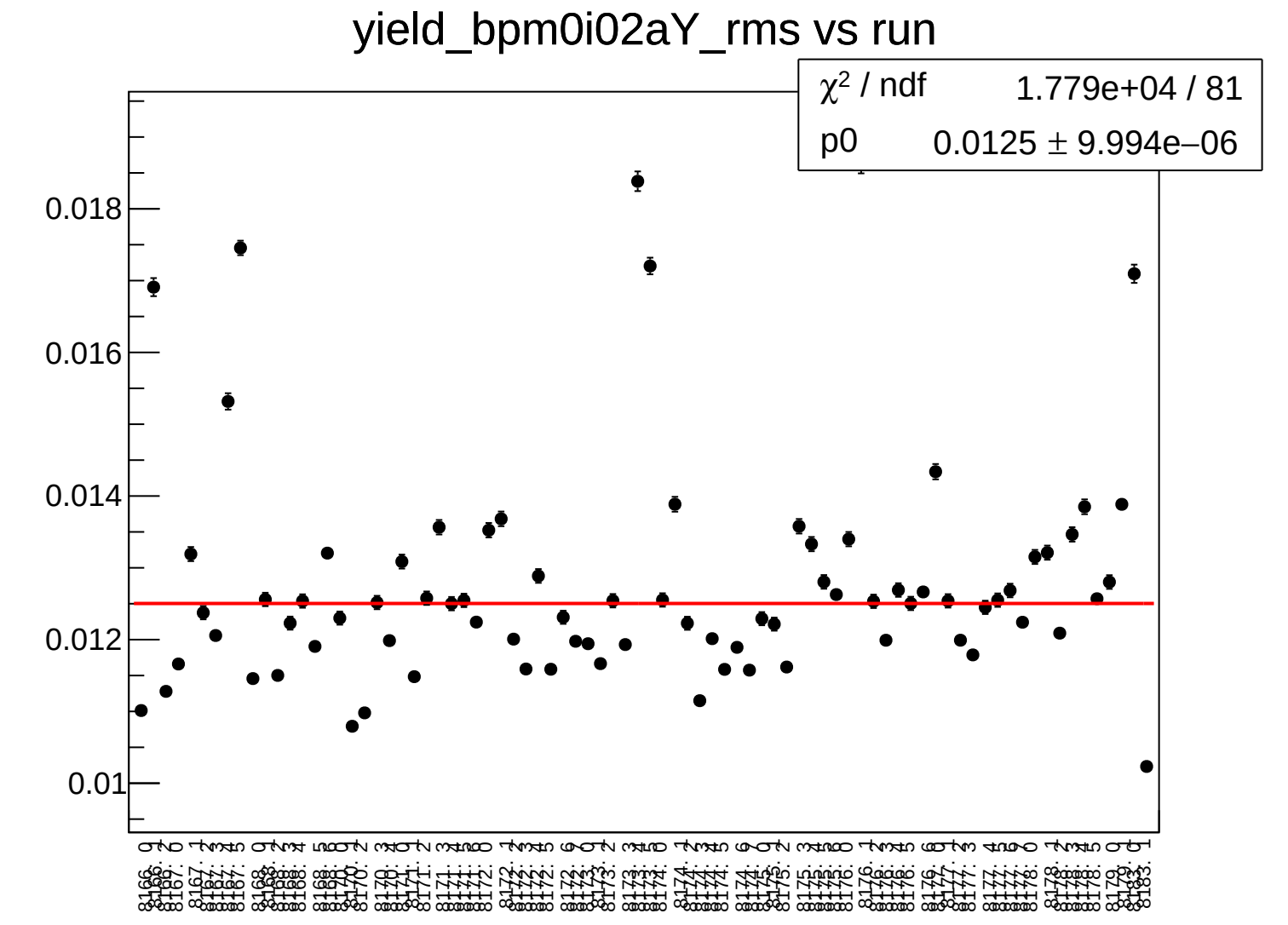

yield_bpm0i02Y_rms vs run
χ² / ndf 1.421e+04 / 81
p0 0.01212 ± 9.677e–06
0.018
0.016
0.014
0.012
0.01

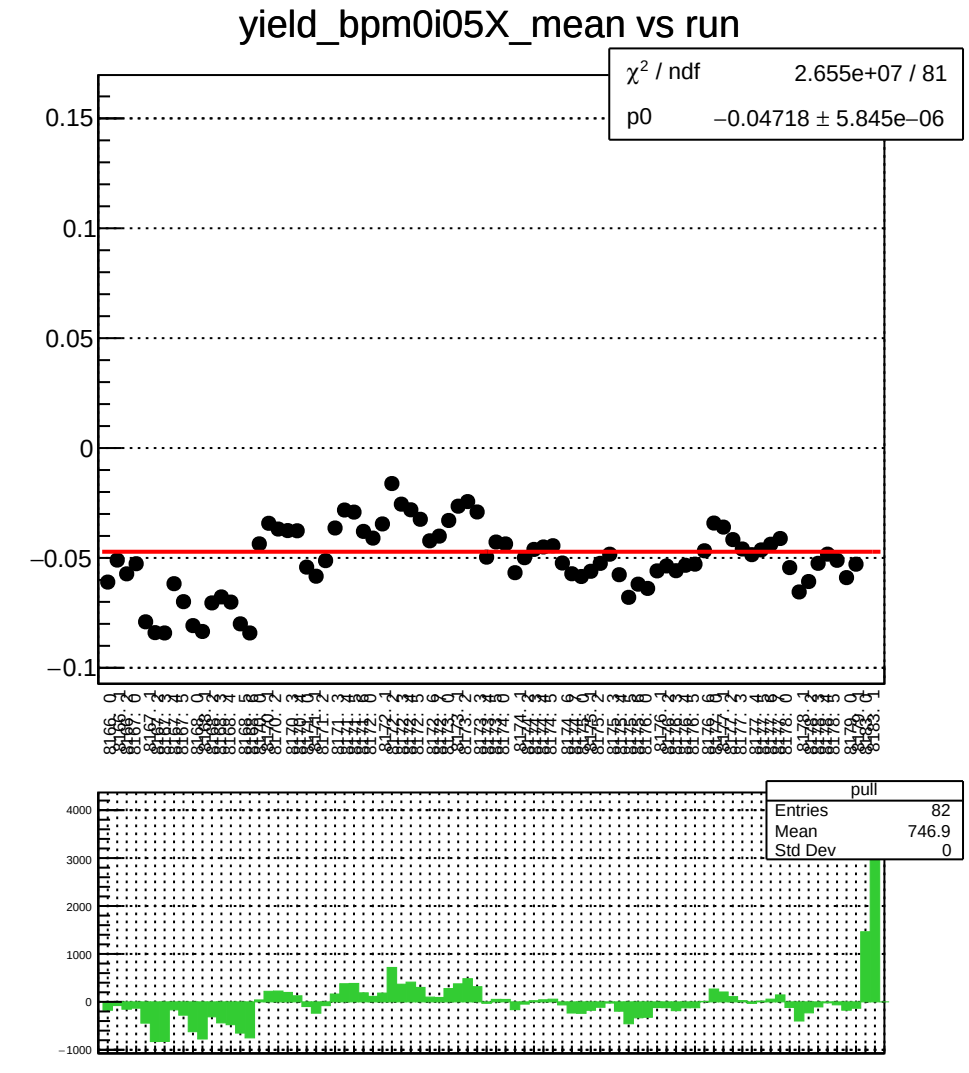

yield_bpm0i02aX_mean vs run
χ² / ndf 1.139e+07 / 81
p0 0.9771± 1.424e−05
pull
Entries 82
Mean −34.66
Std Dev 0

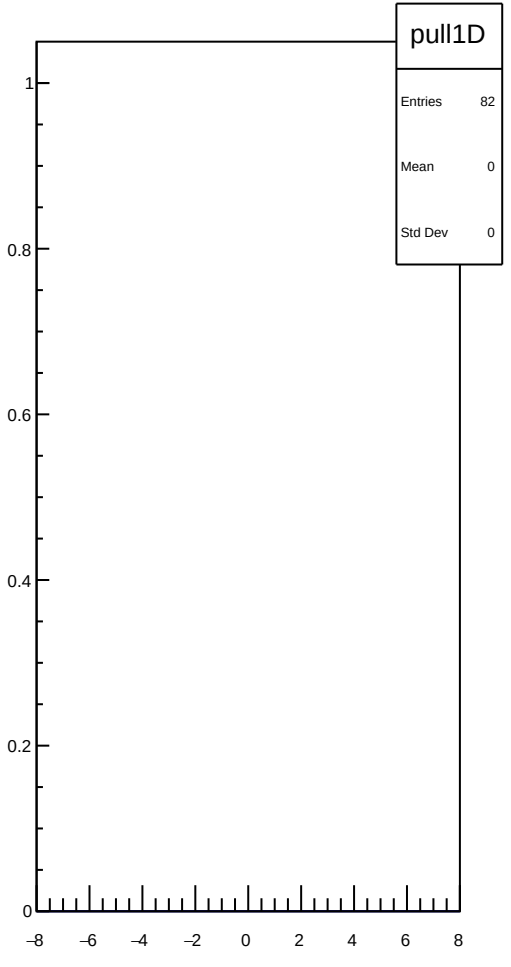

pull1D
Entries 82
Mean 2.281
Std Dev 0.9209

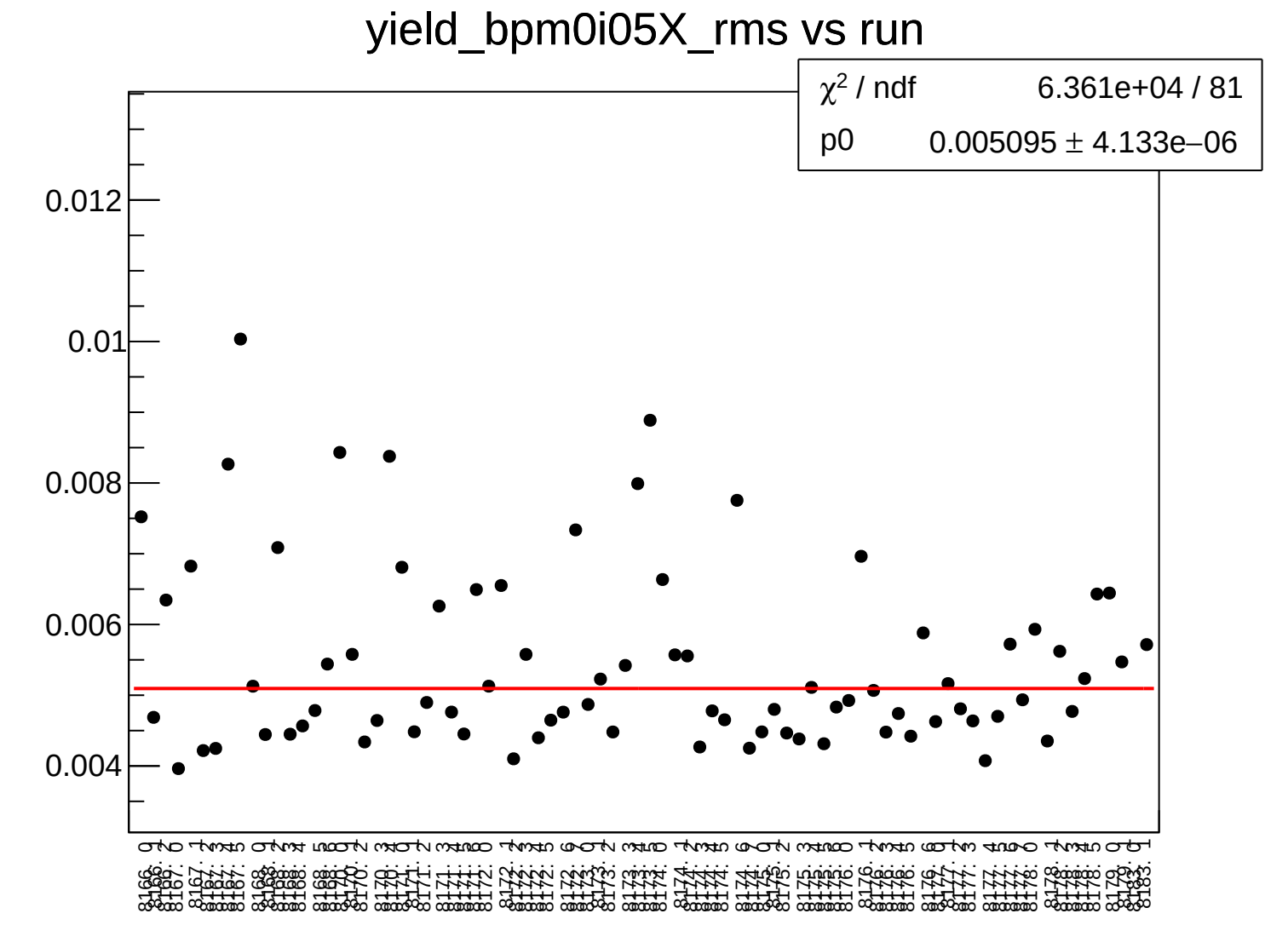

yield_bpm0i02aX_rms vs run
χ² / ndf 1.483e+04 / 81
p0 0.01261 ± 1.007e–05
0.018
0.016
0.014
0.012
0.01

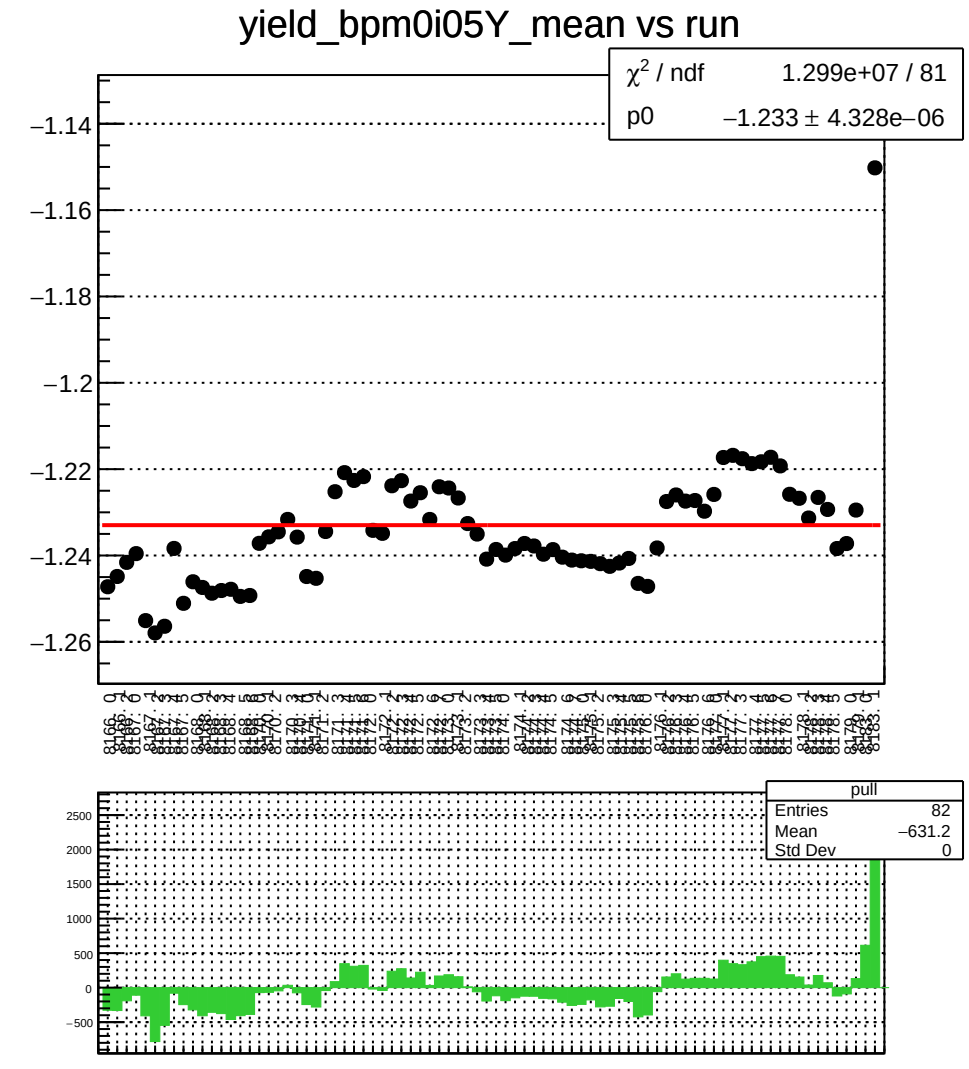

yield_bpm0i02aY_mean vs run
χ² / ndf 6.724e+06 / 81
p0 −0.739 ± 1.413e−05
−0.65
−0.7
−0.75
−0.8
−0.85
pull
Entries 82
Mean −489
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 82
Mean −3.494
Std Dev 4.369
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

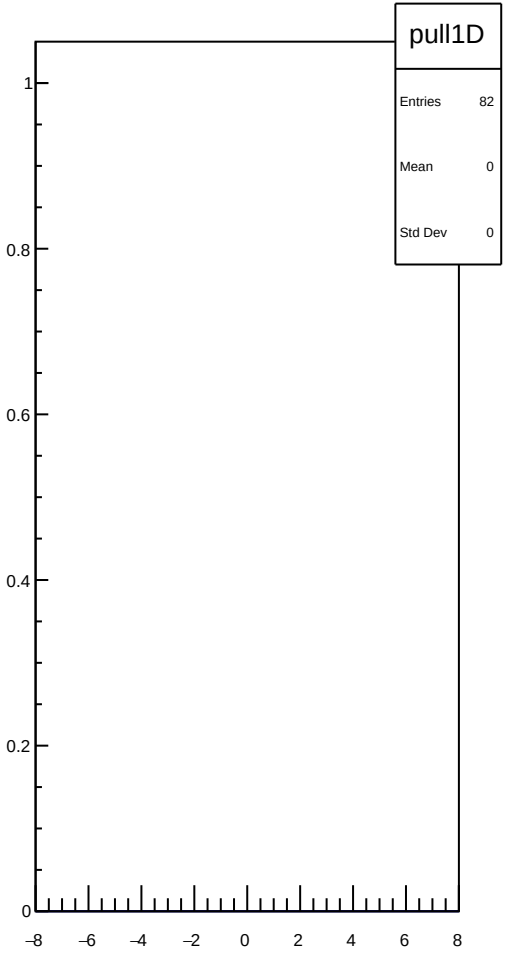

yield_bpm0i02aY_rms vs run
χ² / ndf 1.779e+04 / 81
p0 0.0125 ± 9.994e−06
0.018
0.016
0.014
0.012
0.01

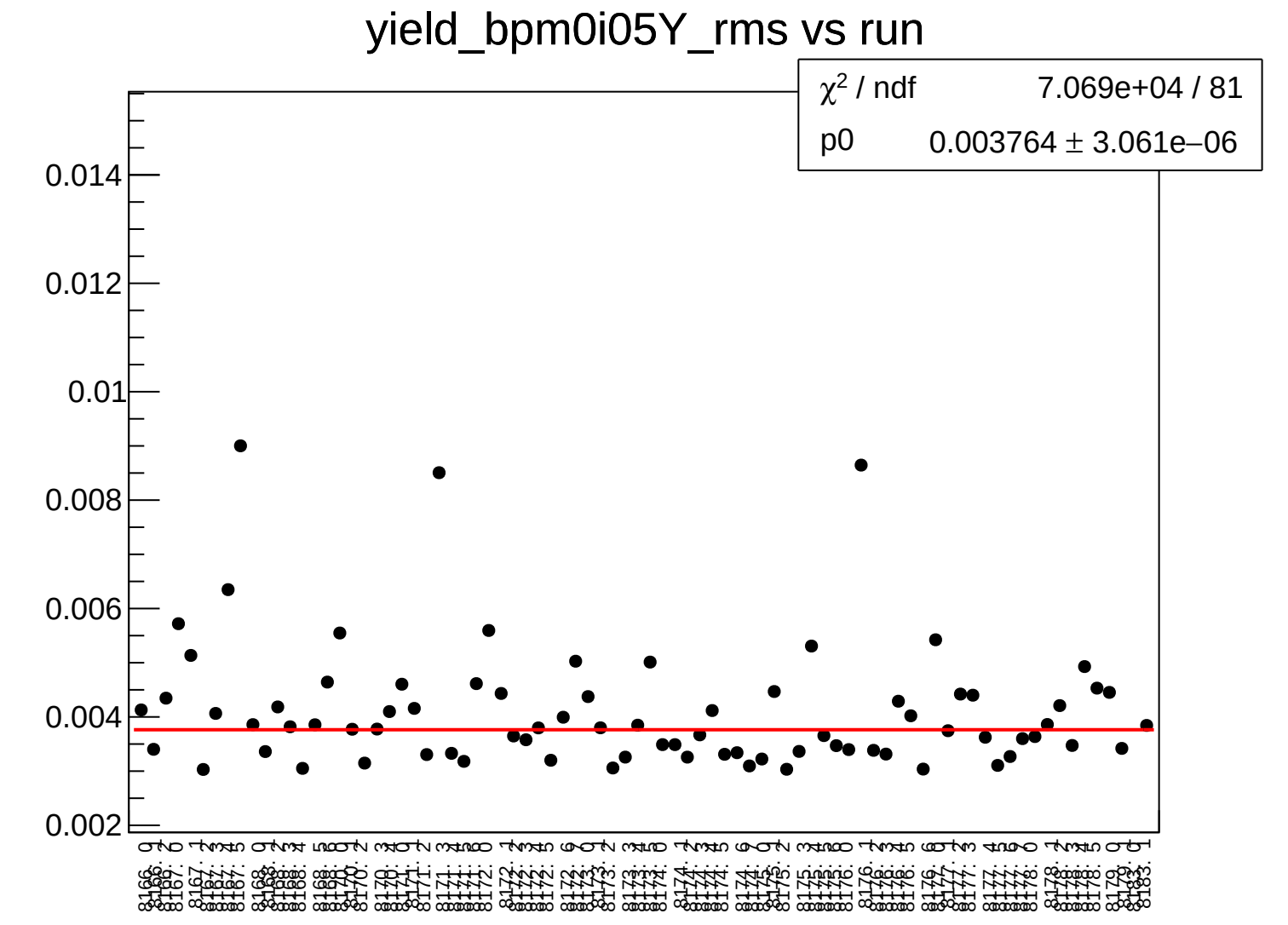

yield_bpm0i05X_mean vs run
χ² / ndf 2.655e+07 / 81
p0 −0.04718 ± 5.845e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean 746.9
Std Dev 0
4000
3000
2000
1000
0
−1000

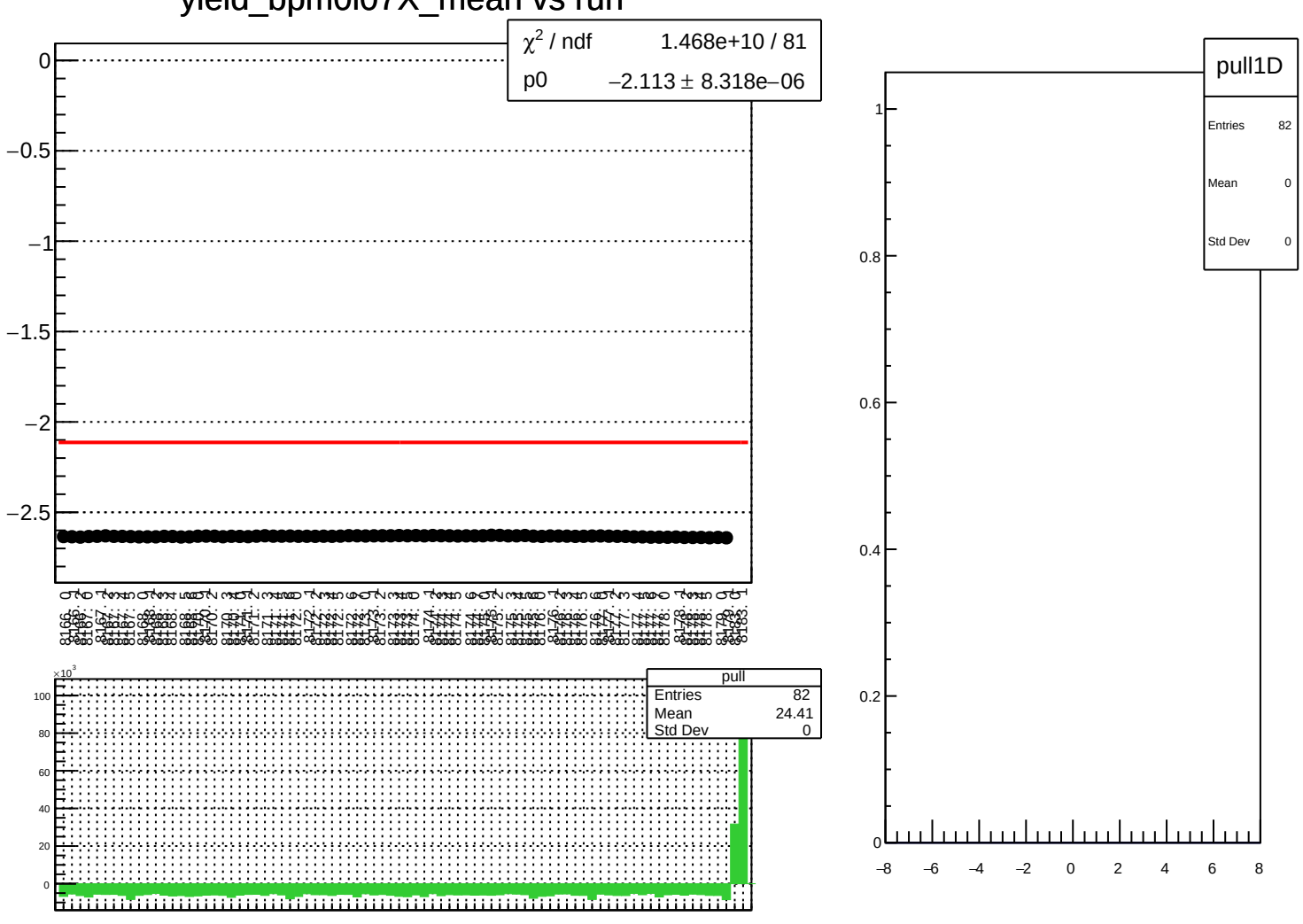

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

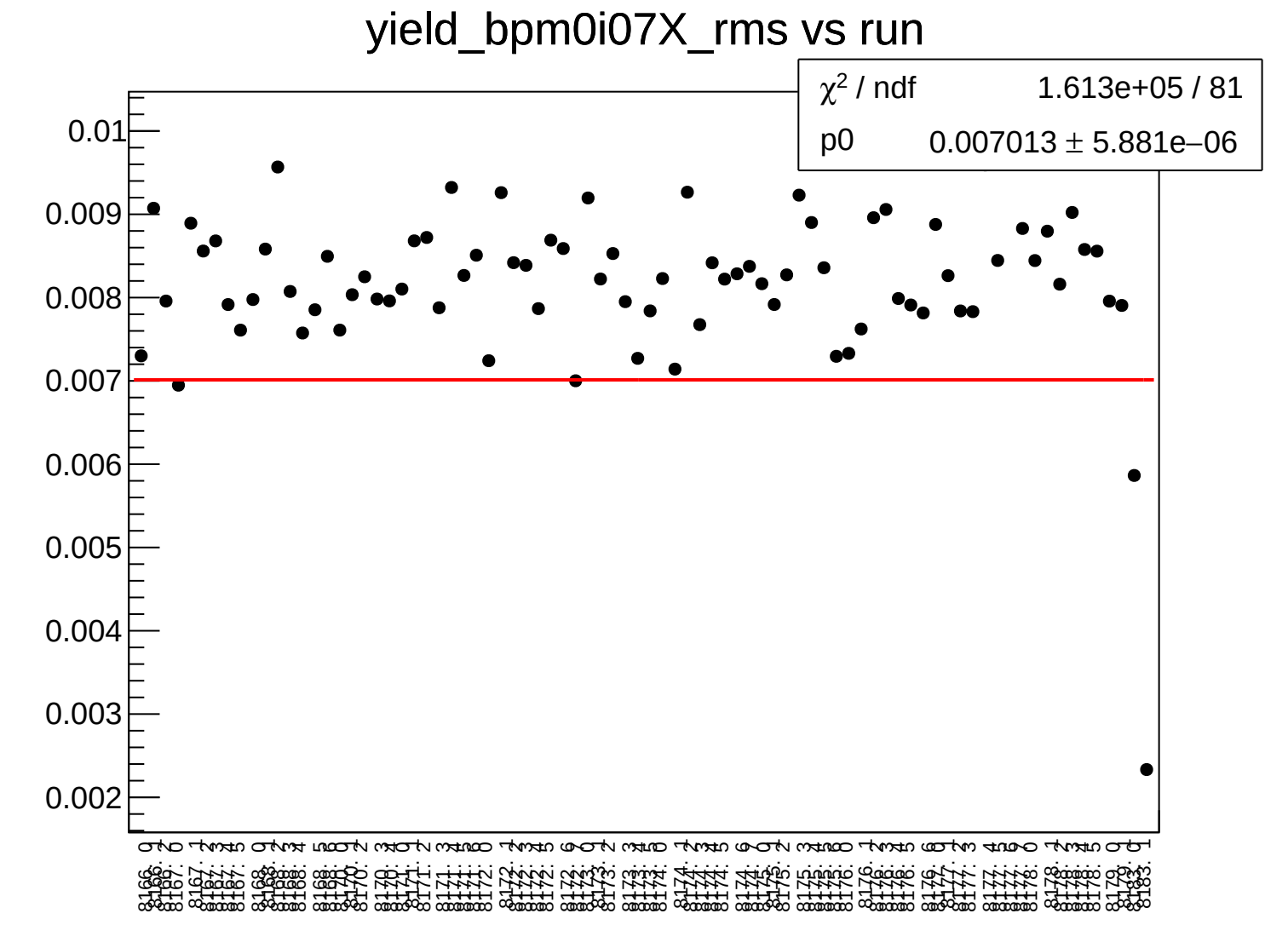

yield_bpm0i05X_rms vs run
χ² / ndf 6.361e+04 / 81
p0 0.005095 ± 4.133e−06
0.012
0.01
0.008
0.006
0.004

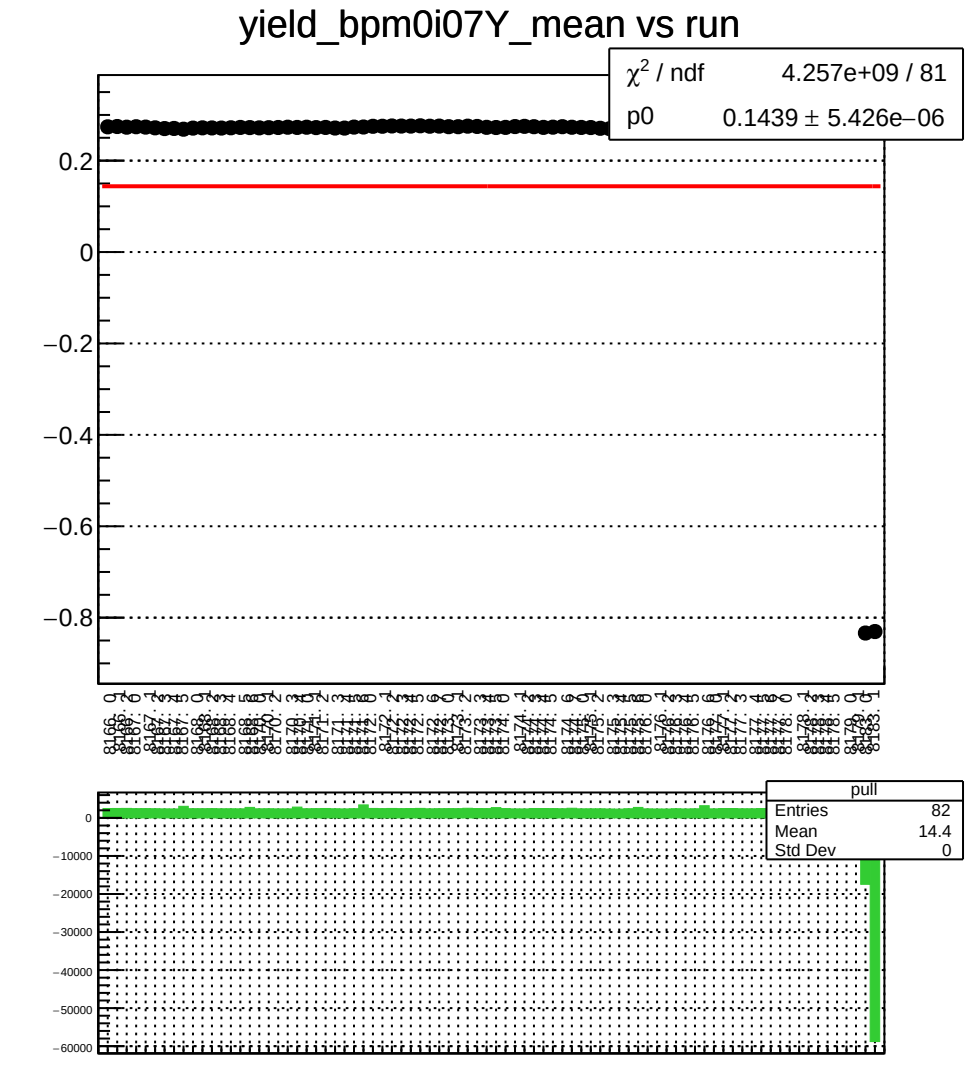

yield_bpm0i05Y_mean vs run
χ² / ndf 1.299e+07 / 81
p0 −1.233 ± 4.328e−06
−1.14
−1.16
−1.18
−1.2
−1.22
−1.24
−1.26
pull
Entries 82
Mean −631.2
Std Dev 0
2500
2000
1500
1000
500
0
−500

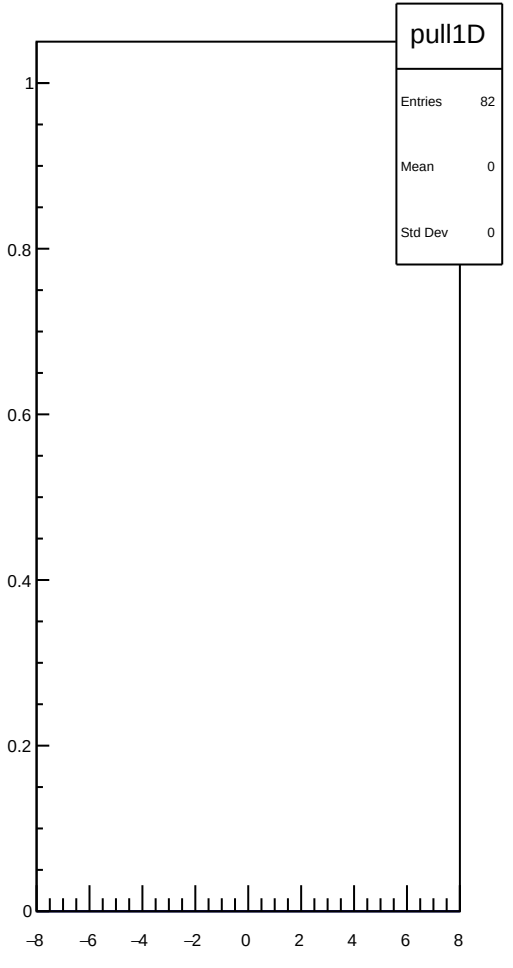

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

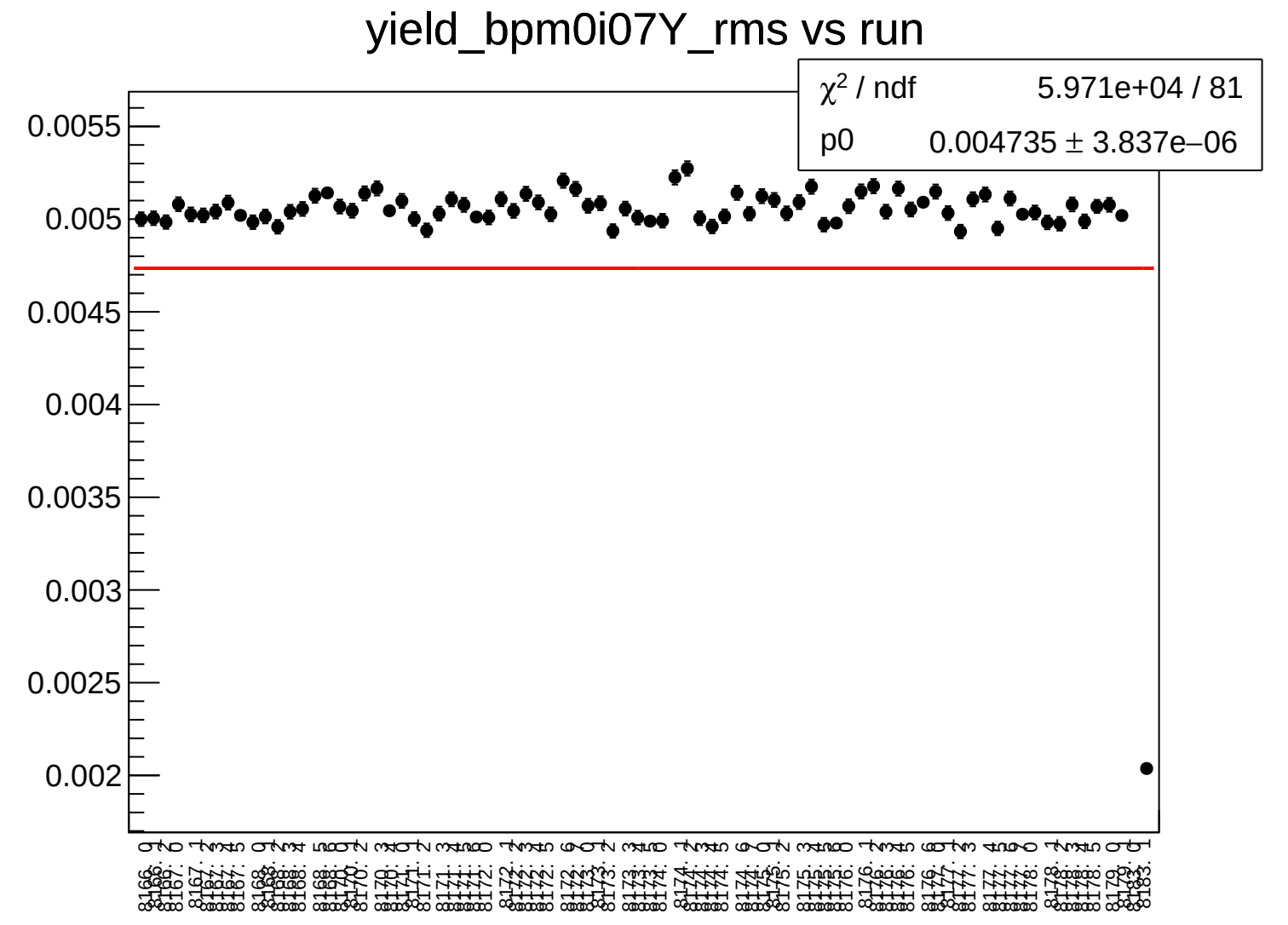

yield_bpm0i05Y_rms vs run
χ² / ndf 7.069e+04 / 81
p0 0.003764 ± 3.061e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002

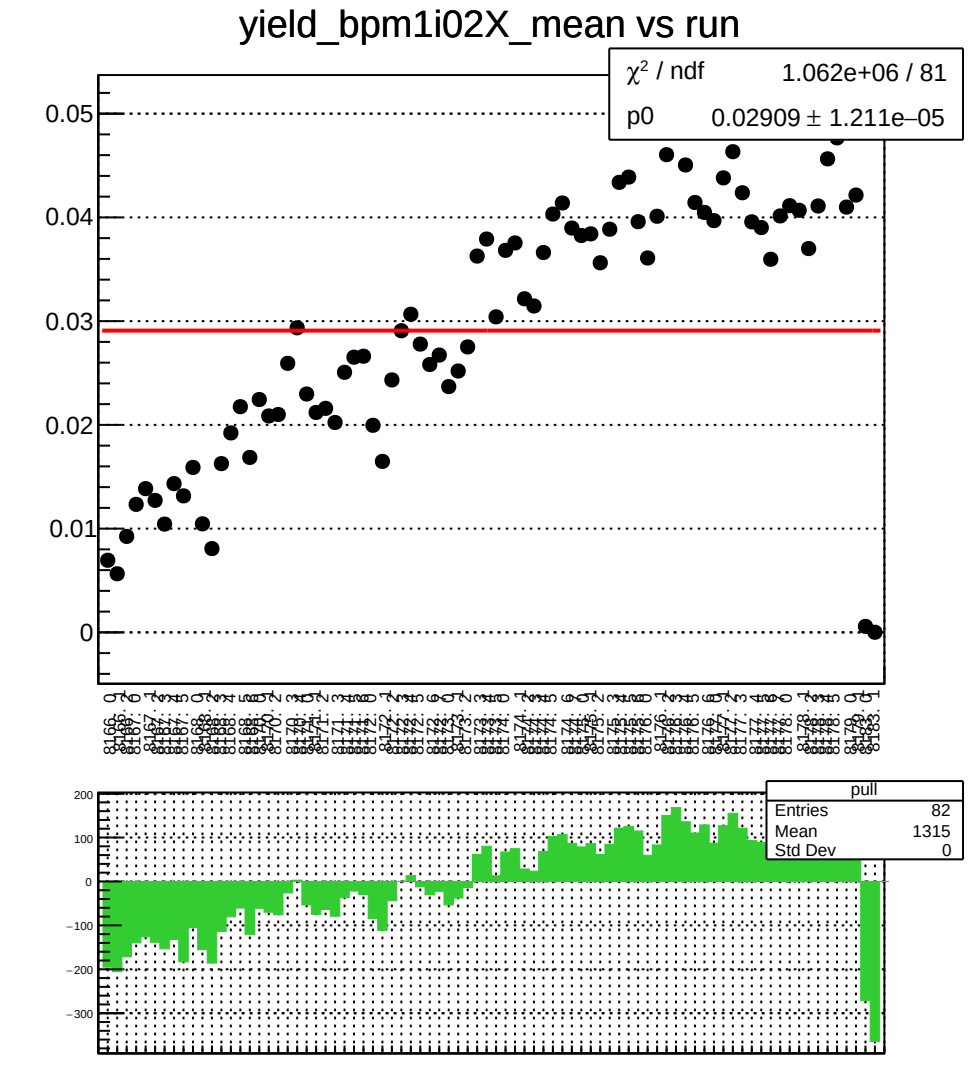

yield_bpm0i07X_mean vs run
χ² / ndf 1.468e+10 / 81
p0 −2.113 ± 8.318e−06
pull
Entries 82
Mean 24.41
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0

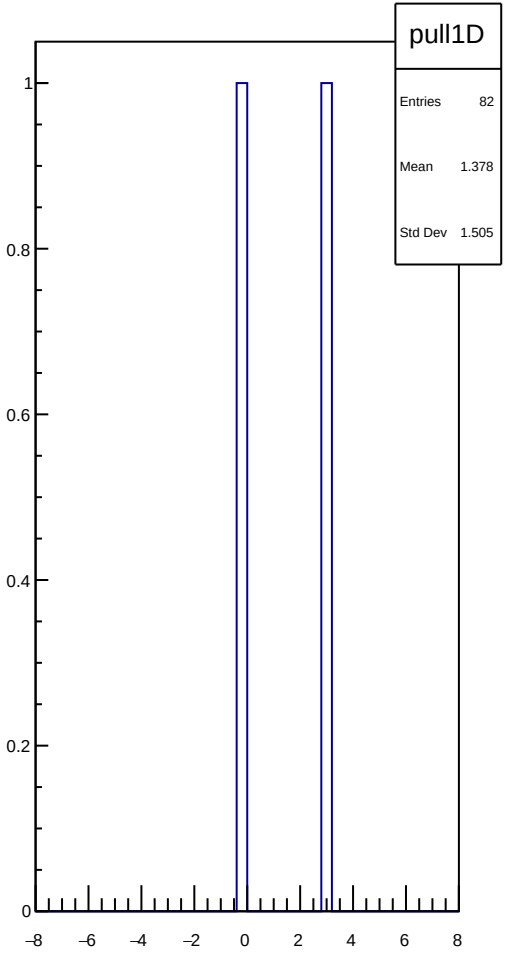

yield_bpm0i07X_rms vs run
χ^2 / ndf 1.613e+05 / 81
p0 0.007013 ± 5.881e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

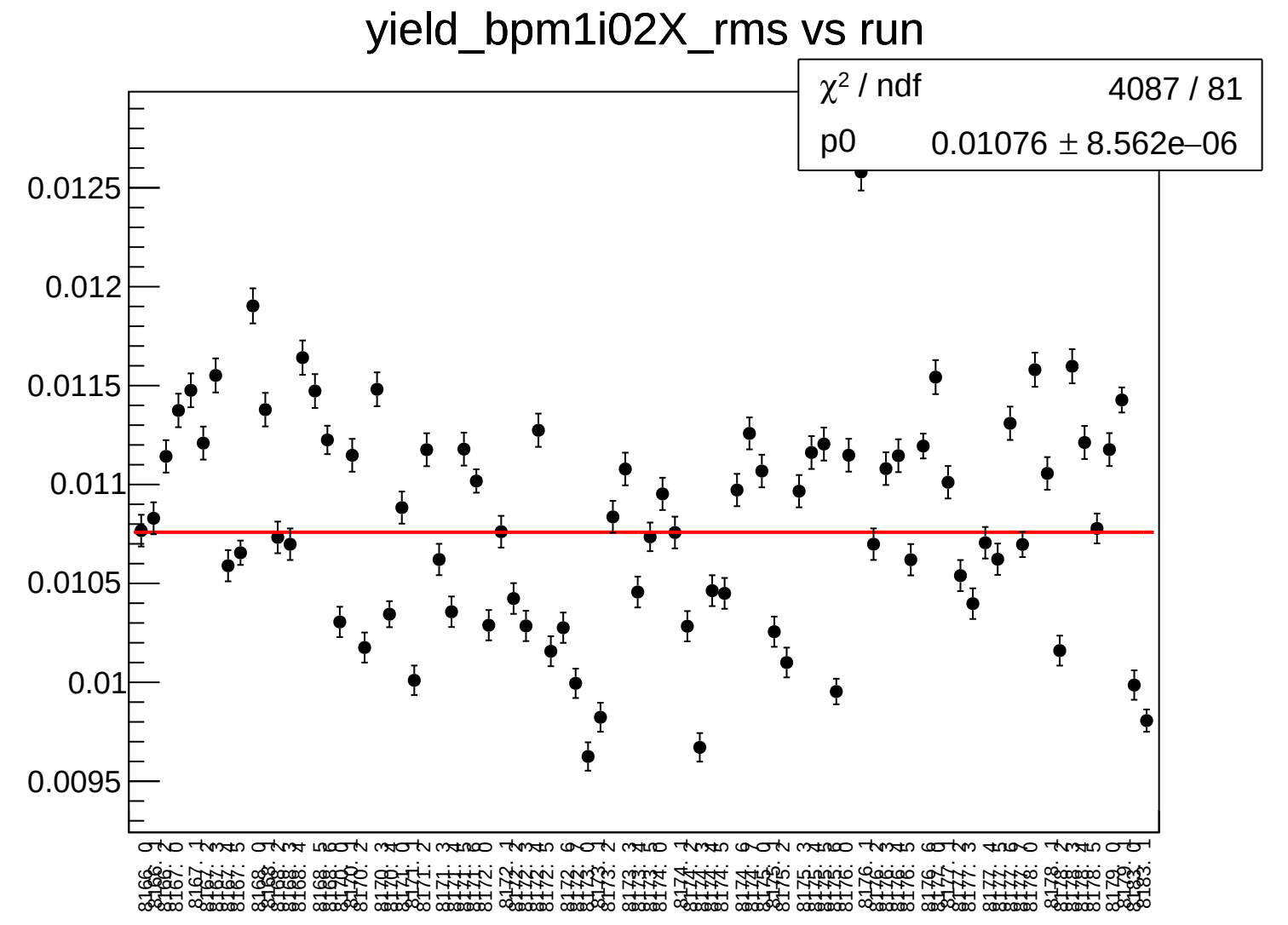

yield_bpm0i07Y_mean vs run
χ² / ndf 4.257e+09 / 81
p0 0.1439 ± 5.426e−06
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 82
Mean 14.4
Std Dev 0
0
−10000
−20000
−30000
−40000
−50000
−60000

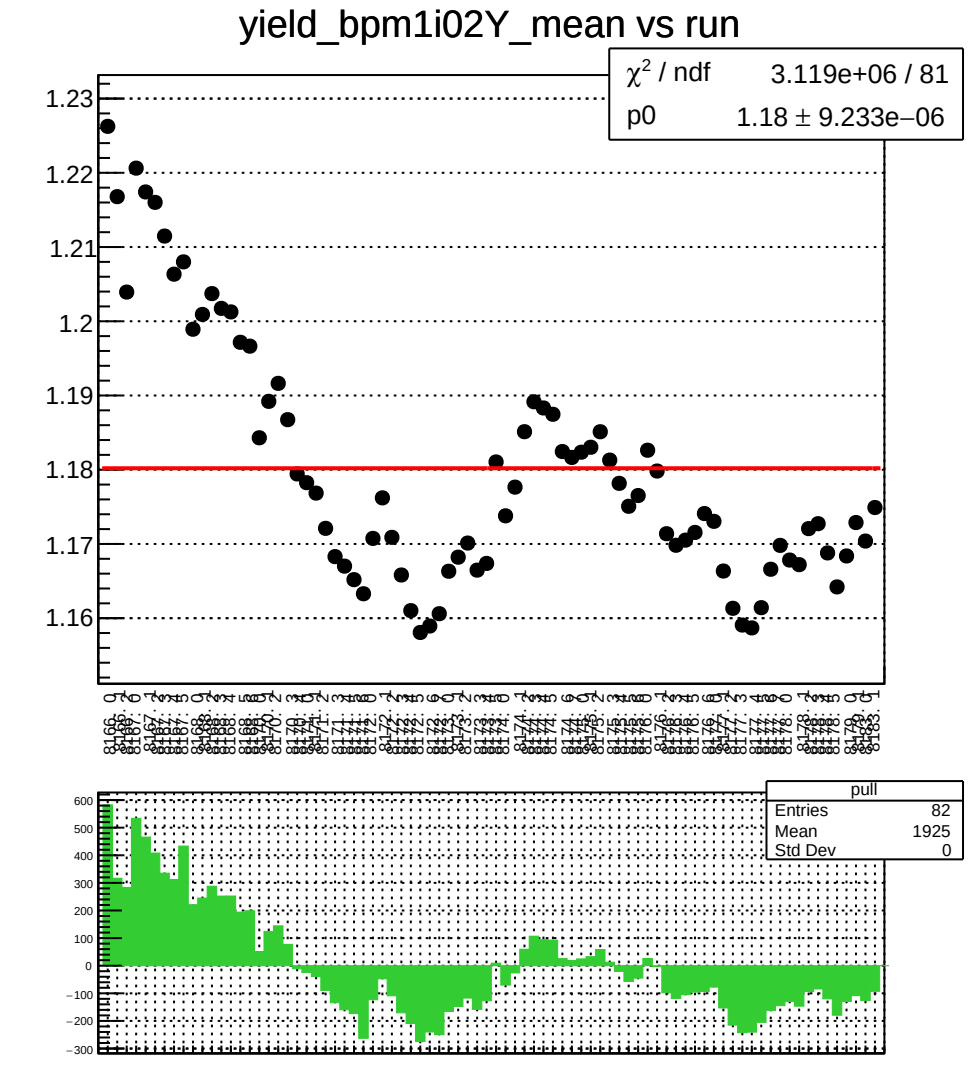

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

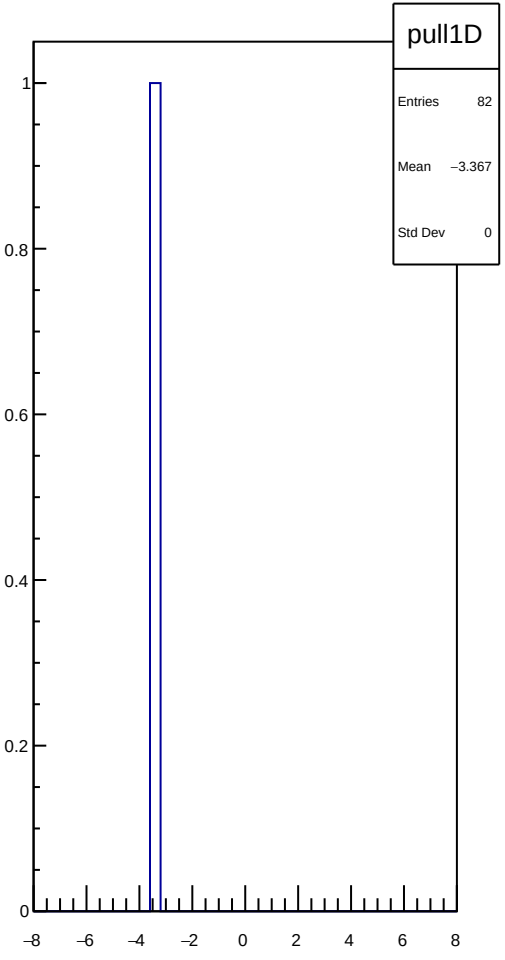

yield_bpm0i07Y_rms vs run
χ² / ndf 5.971e+04 / 81
p0 0.004735 ± 3.837e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002


yield_bpm1i02X_mean vs run
χ² / ndf 1.062e+06 / 81
p0 0.02909 ± 1.211e−05
0.05
0.04
0.03
0.02
0.01
0
pull
Entries 82
Mean 1315
Std Dev 0
200
100
0
−100
−200
−300

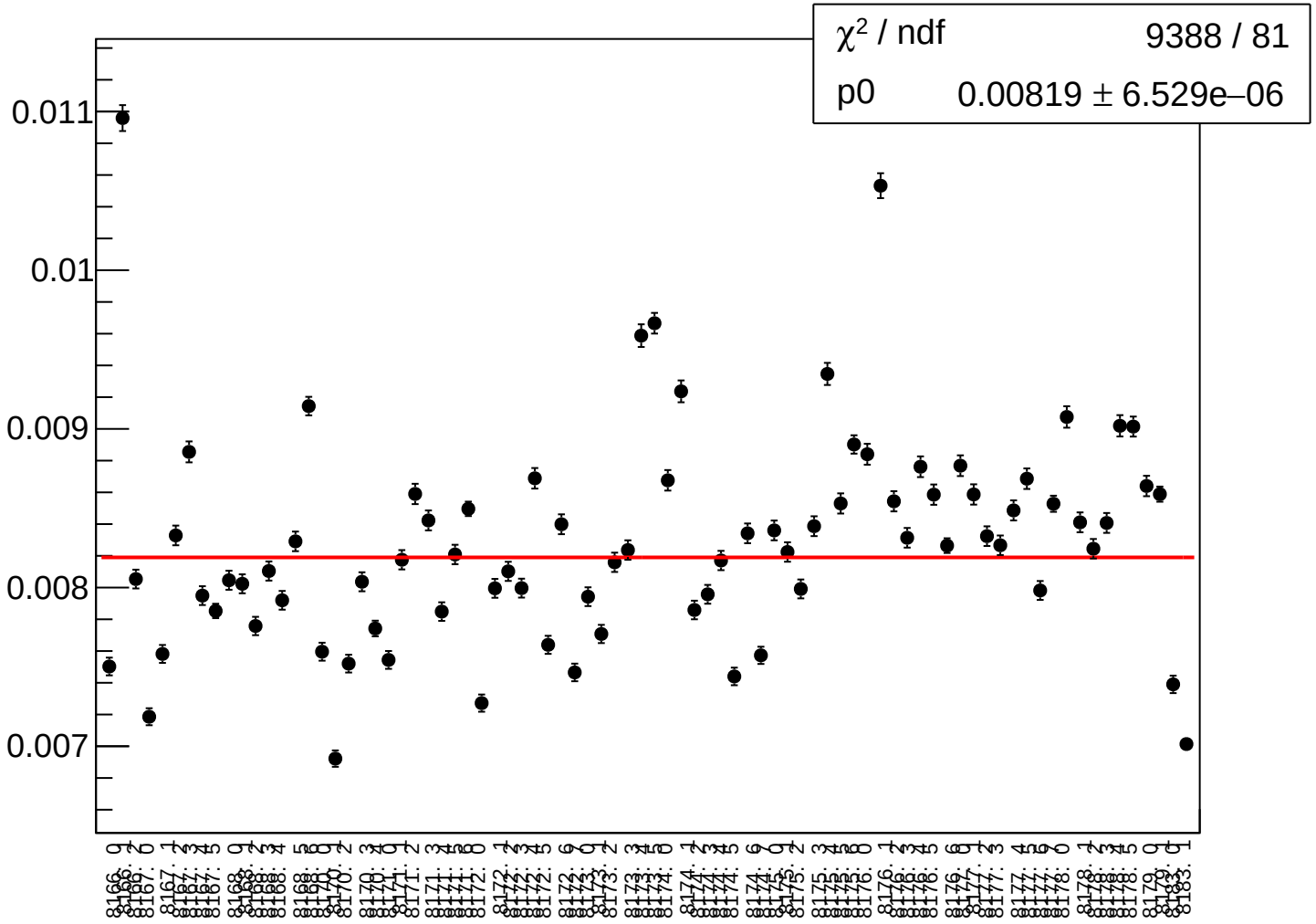

pull1D
Entries 82
Mean 1.378
Std Dev 1.505
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

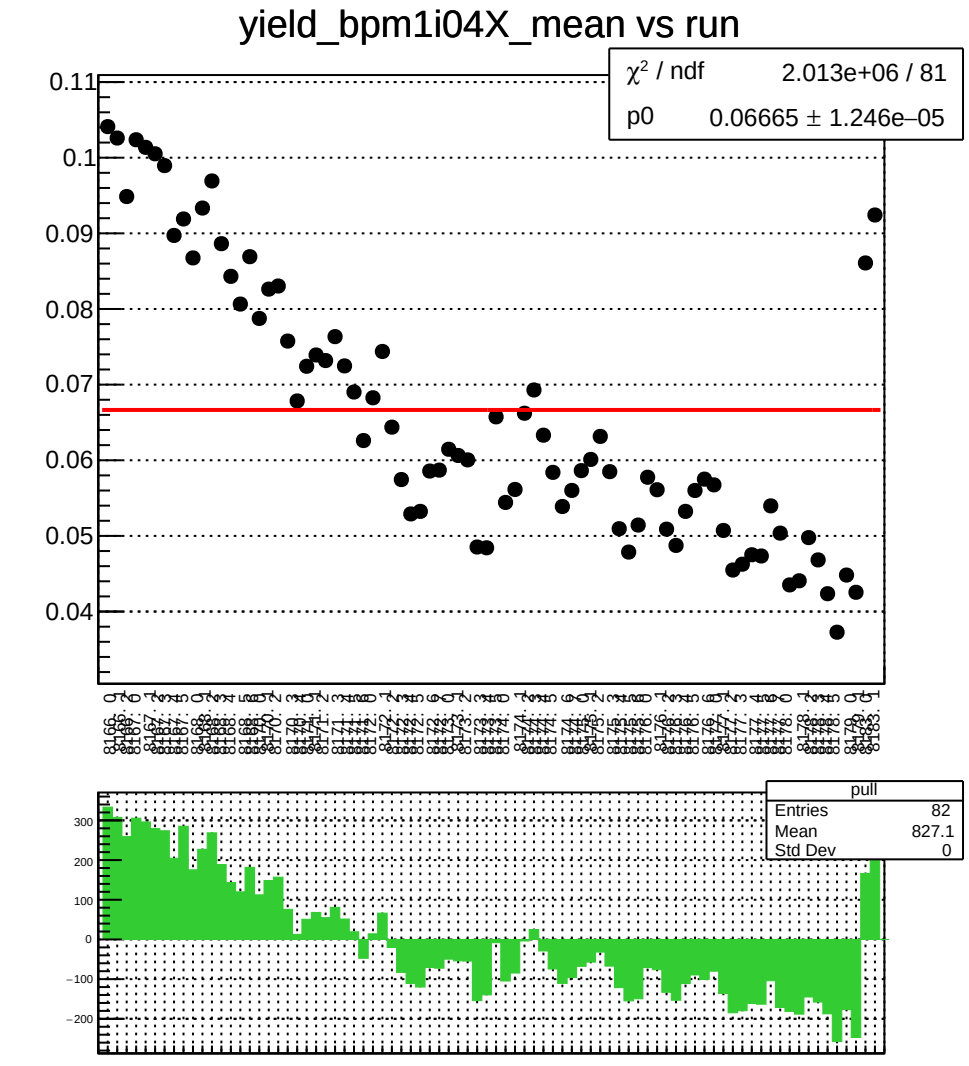

yield_bpm1i02X_rms vs run
χ² / ndf 4087 / 81
p0 0.01076 ± 8.562e–06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

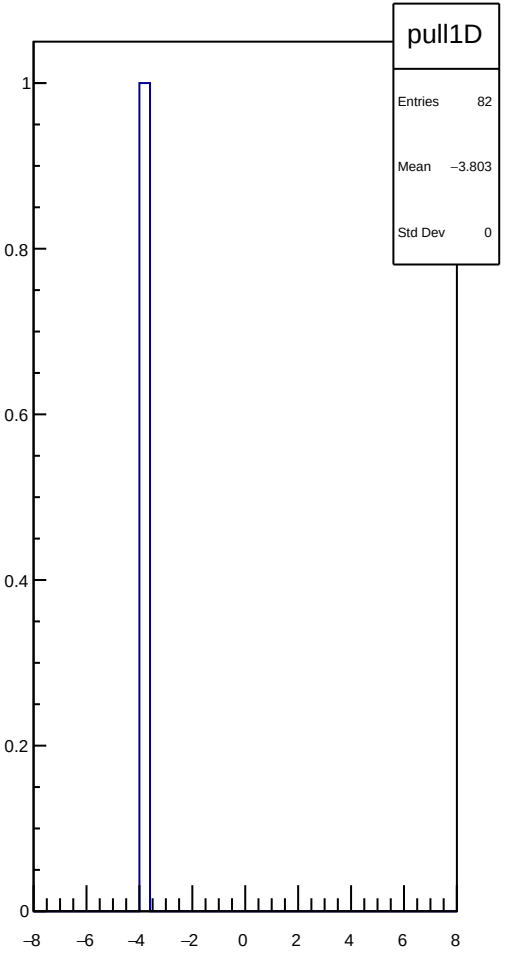

yield_bpm1i02Y_mean vs run
χ² / ndf 3.119e+06 / 81
p0 1.18 ± 9.233e−06
pull
Entries 82
Mean 1925
Std Dev 0

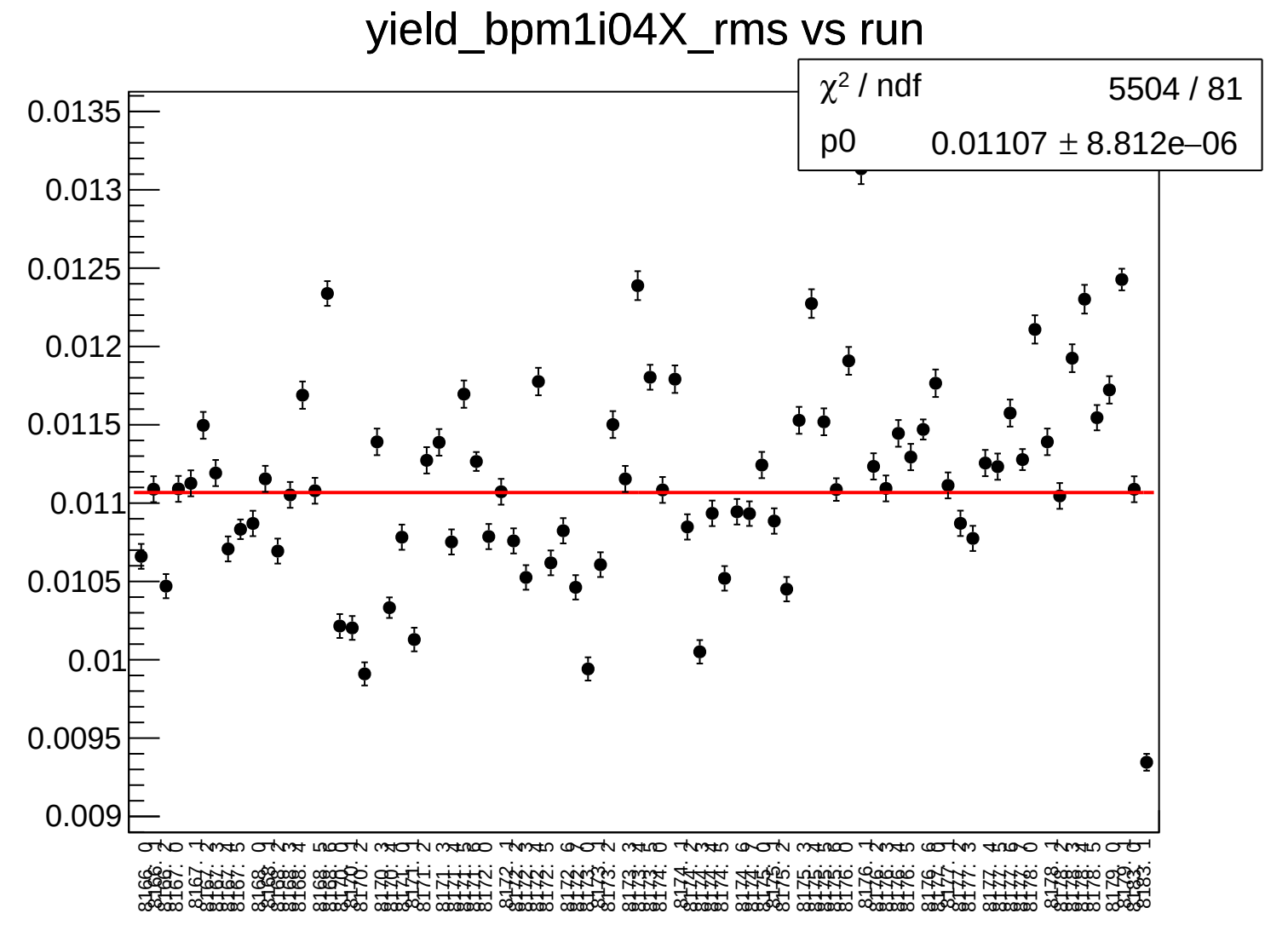

pull1D
Entries 82
Mean −3.367
Std Dev 0

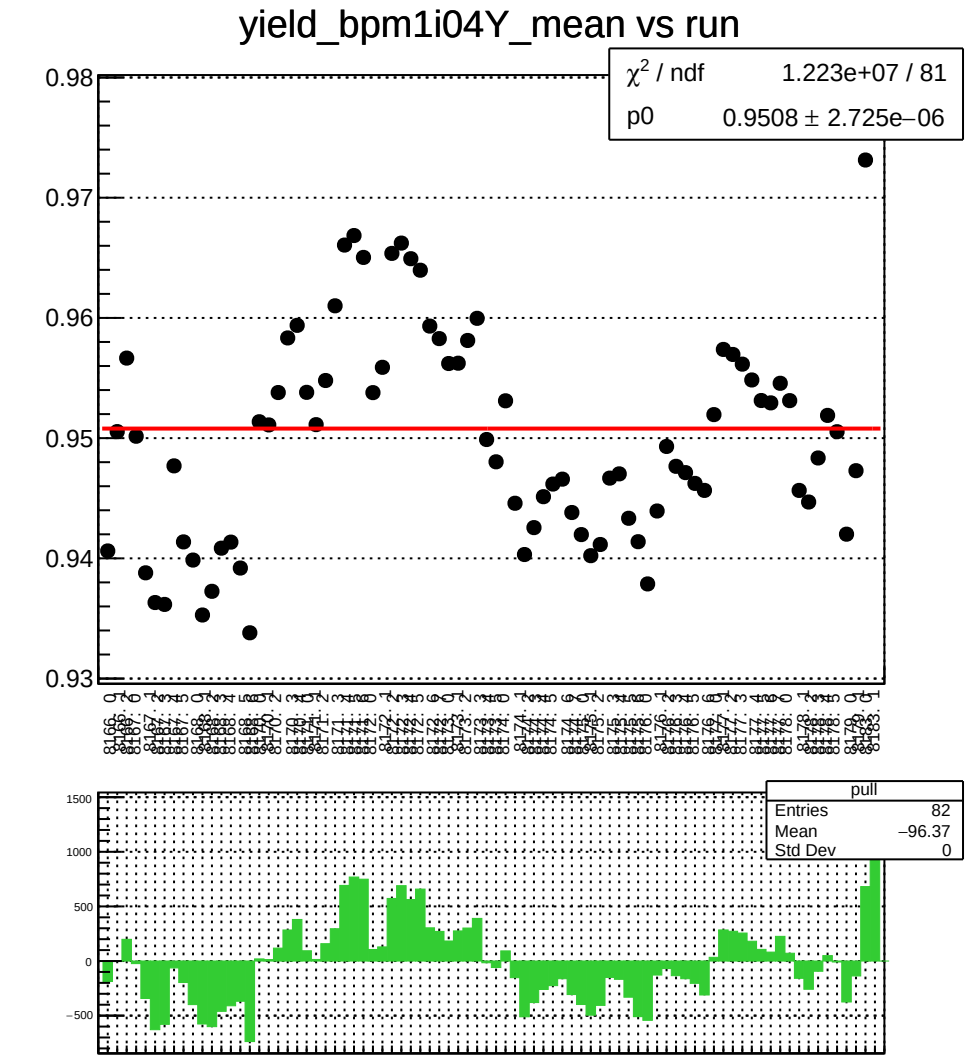
yield_bpm1i02Y_rms vs run

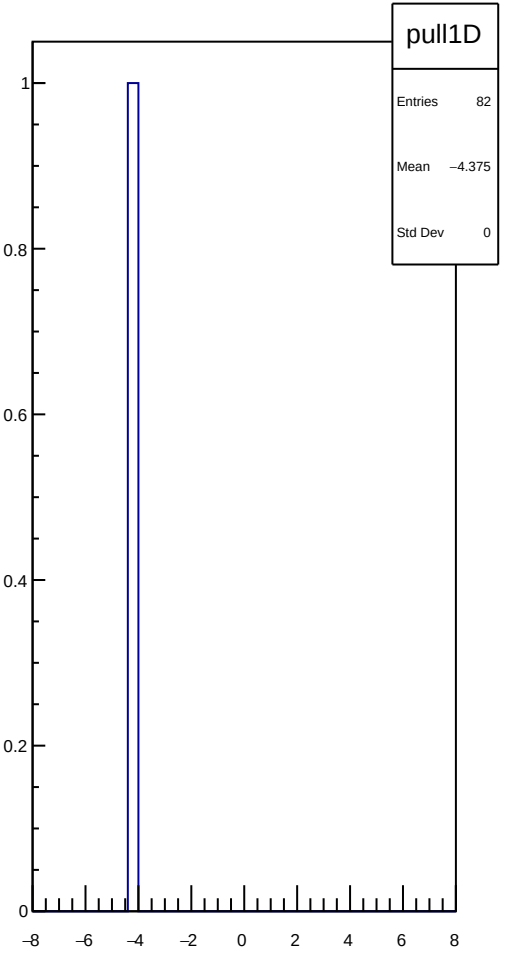


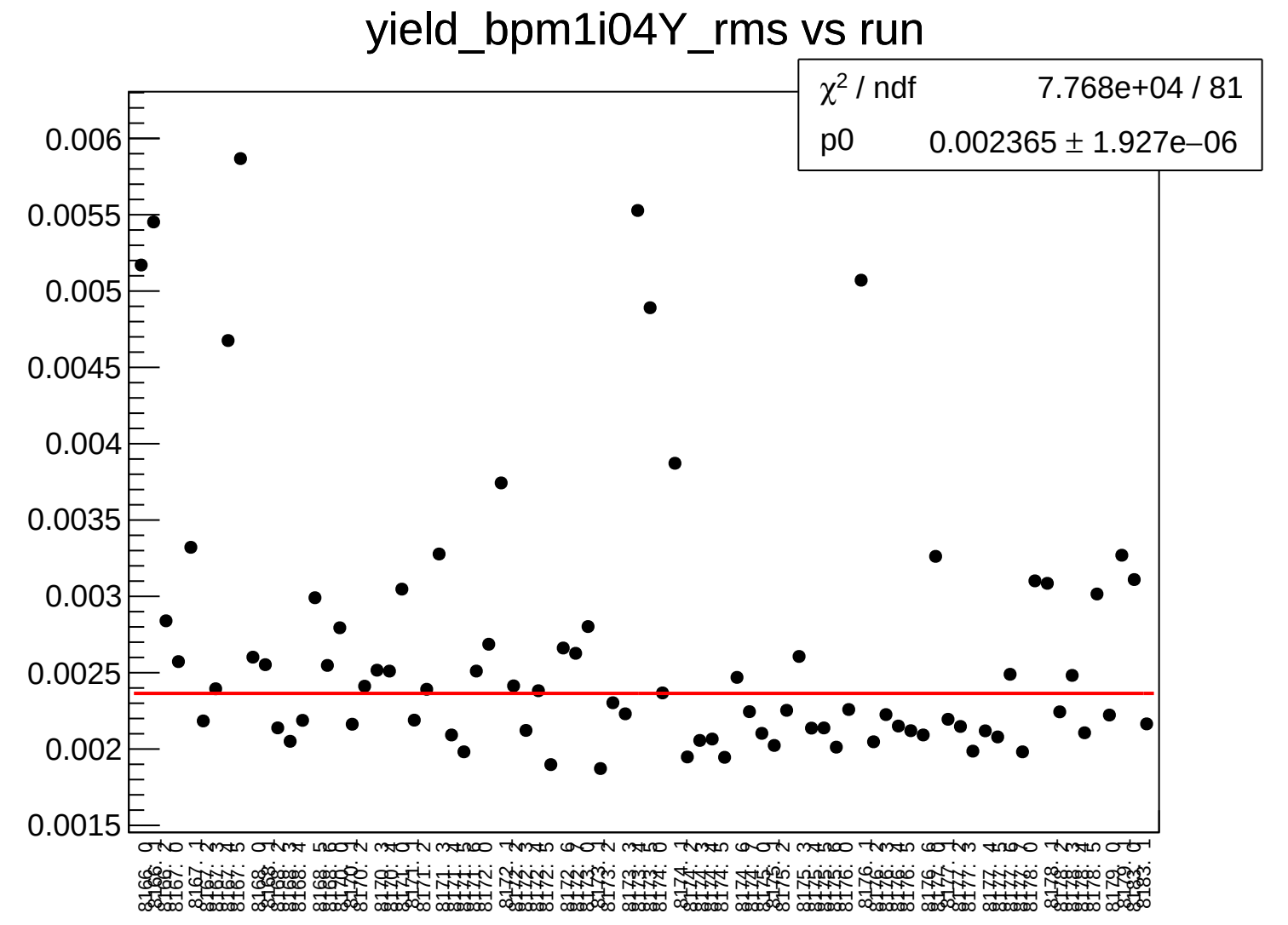

yield_bpm1i04X_mean vs run
χ² / ndf 2.013e+06 / 81
p0 0.06665 ± 1.246e−05
pull
Entries 82
Mean 827.1
Std Dev 0

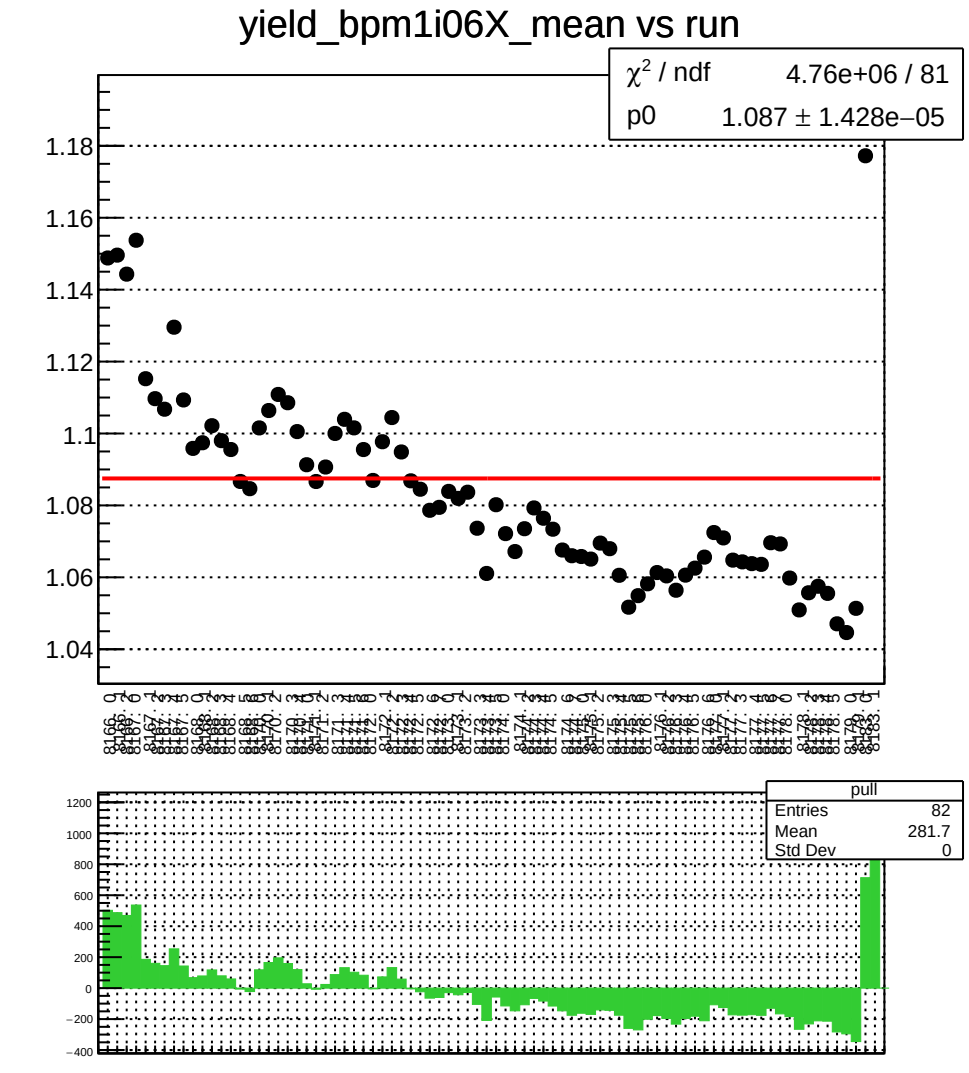

pull1D
Entries 82
Mean −3.803
Std Dev 0

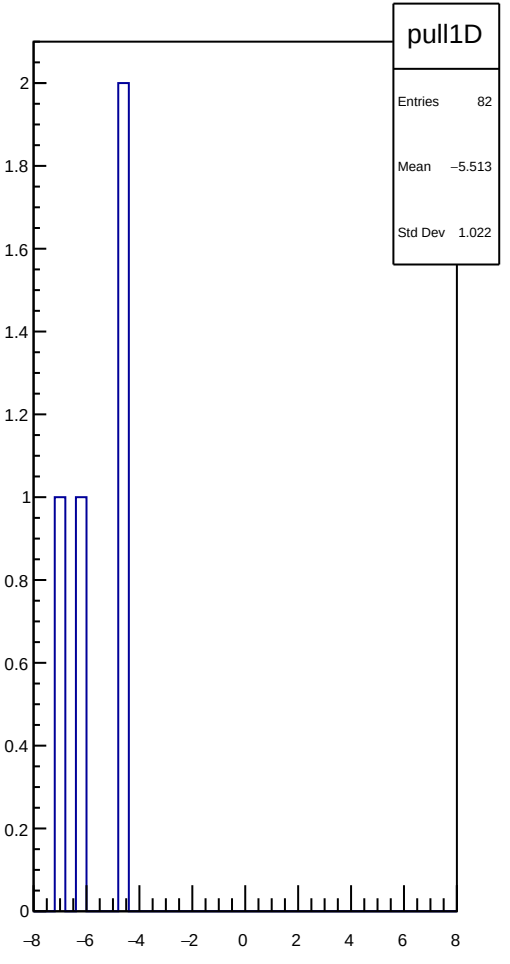

yield_bpm1i04X_rms vs run
χ² / ndf 5504 / 81
p0 0.01107 ± 8.812e–06
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

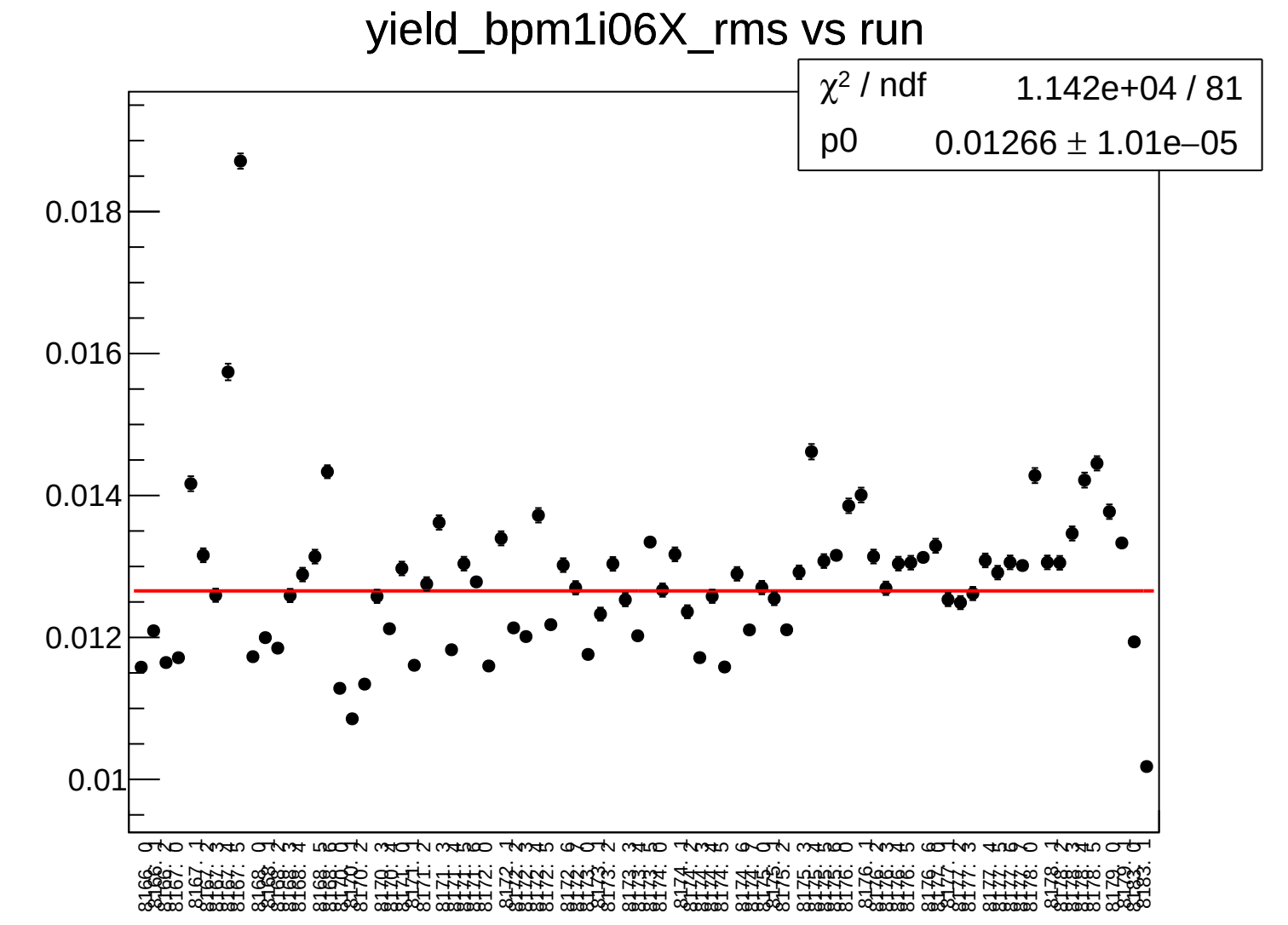

yield_bpm1i04Y_mean vs run
χ² / ndf 1.223e+07 / 81
p0 0.9508 ± 2.725e−06
0.98
0.97
0.96
0.95
0.94
0.93
pull
Entries 82
Mean −96.37
Std Dev 0
1500
1000
500
0
−500

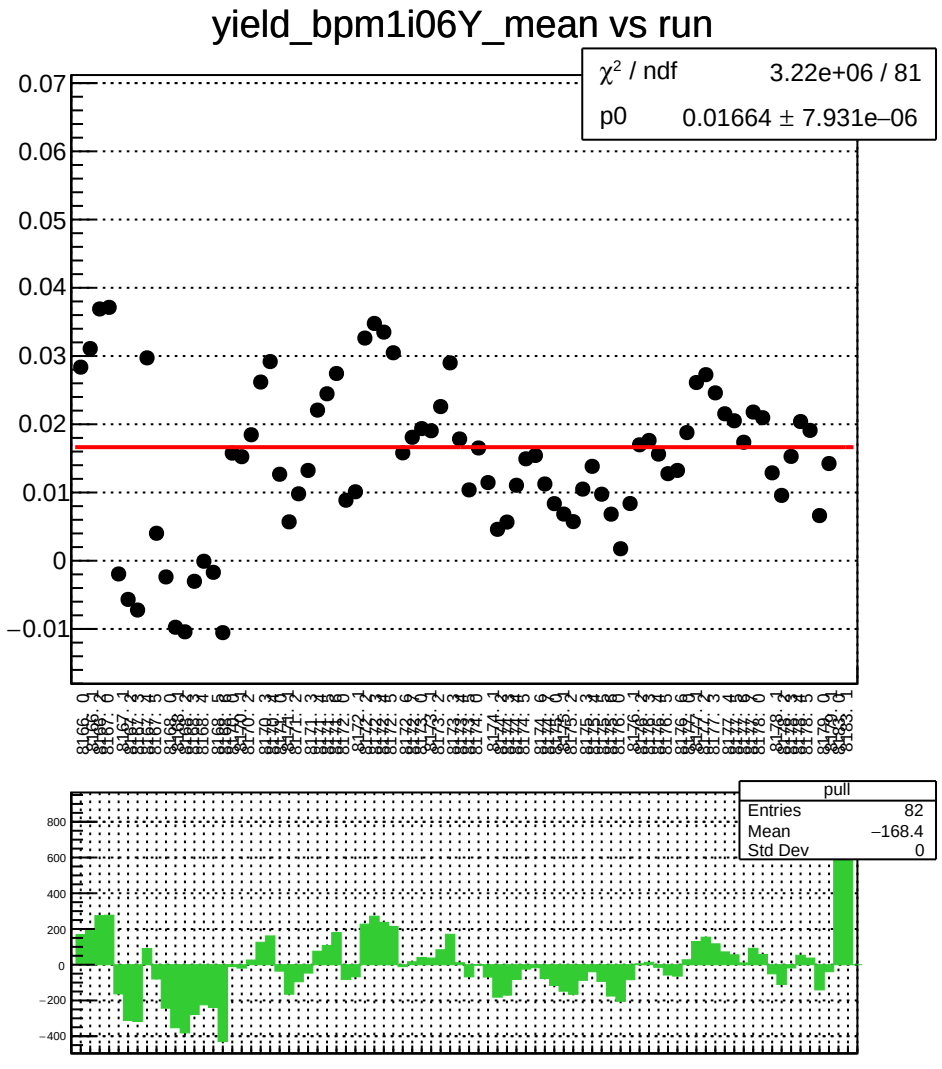

pull1D
Entries 82
Mean −4.375
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

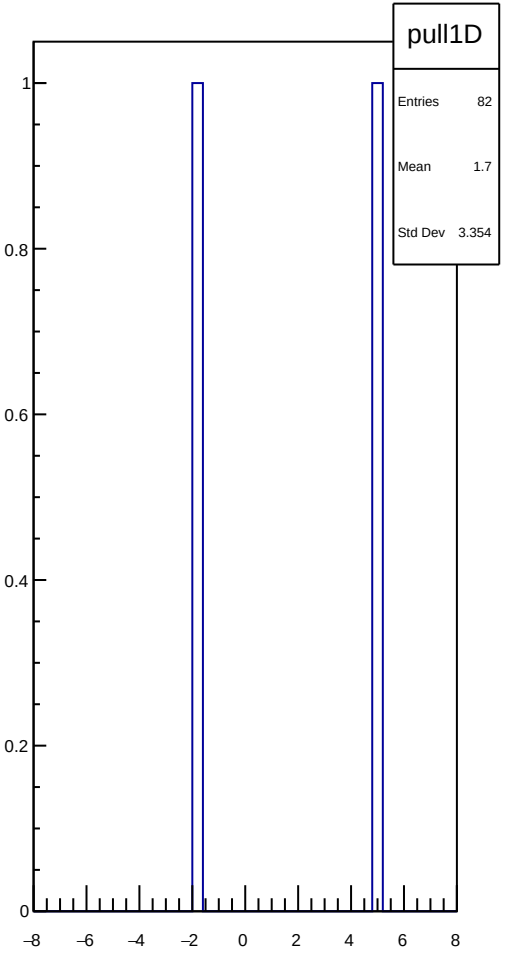

yield_bpm1i04Y_rms vs run
χ² / ndf 7.768e+04 / 81
p0 0.002365 ± 1.927e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015

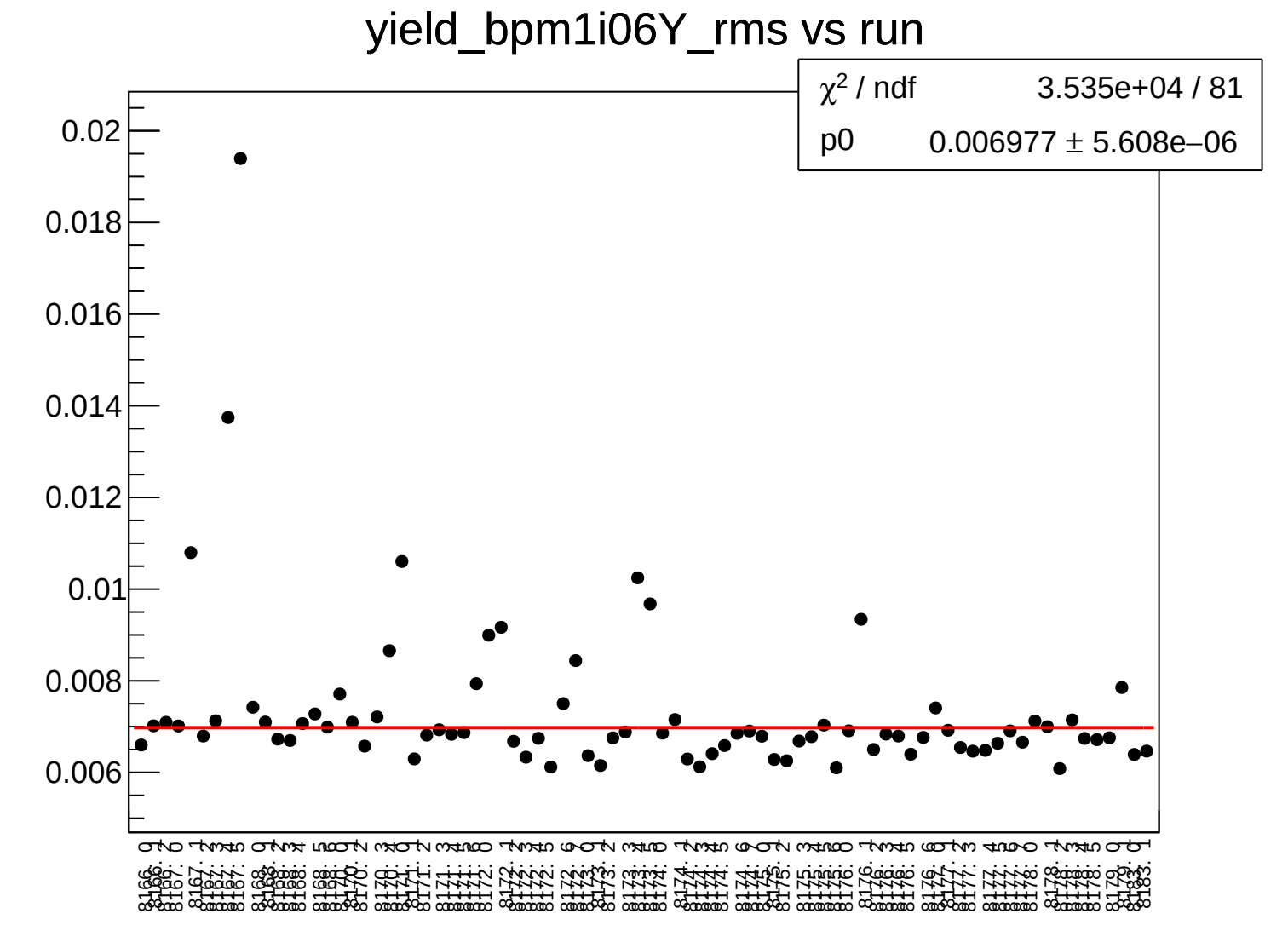

yield_bpm1i06X_mean vs run
χ² / ndf 4.76e+06 / 81
p0 1.087 ± 1.428e−05
1.18
1.16
1.14
1.12
1.1
1.08
1.06
1.04
pull
Entries 82
Mean 281.7
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

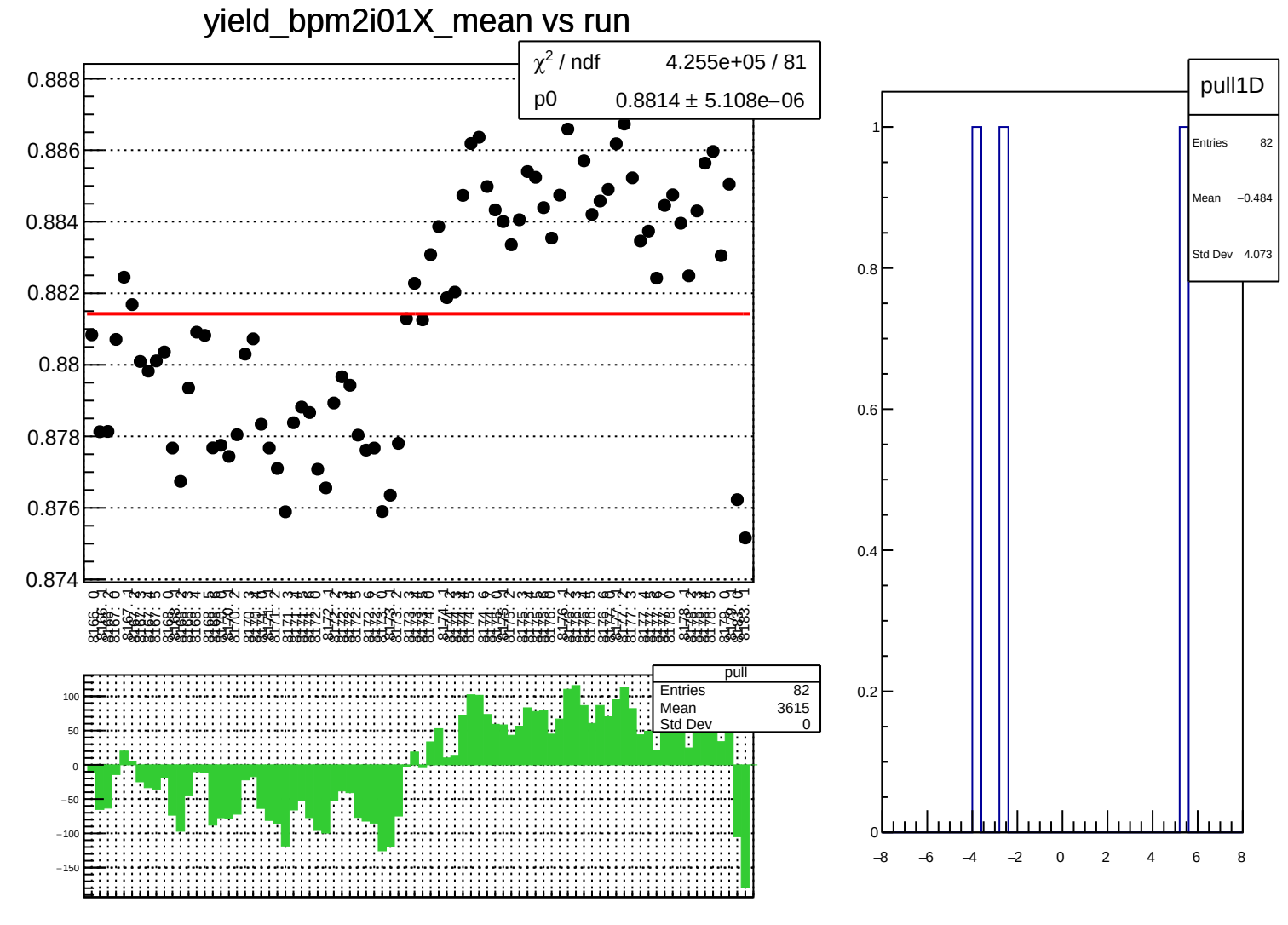

pull1D
Entries 82
Mean −5.513
Std Dev 1.022
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

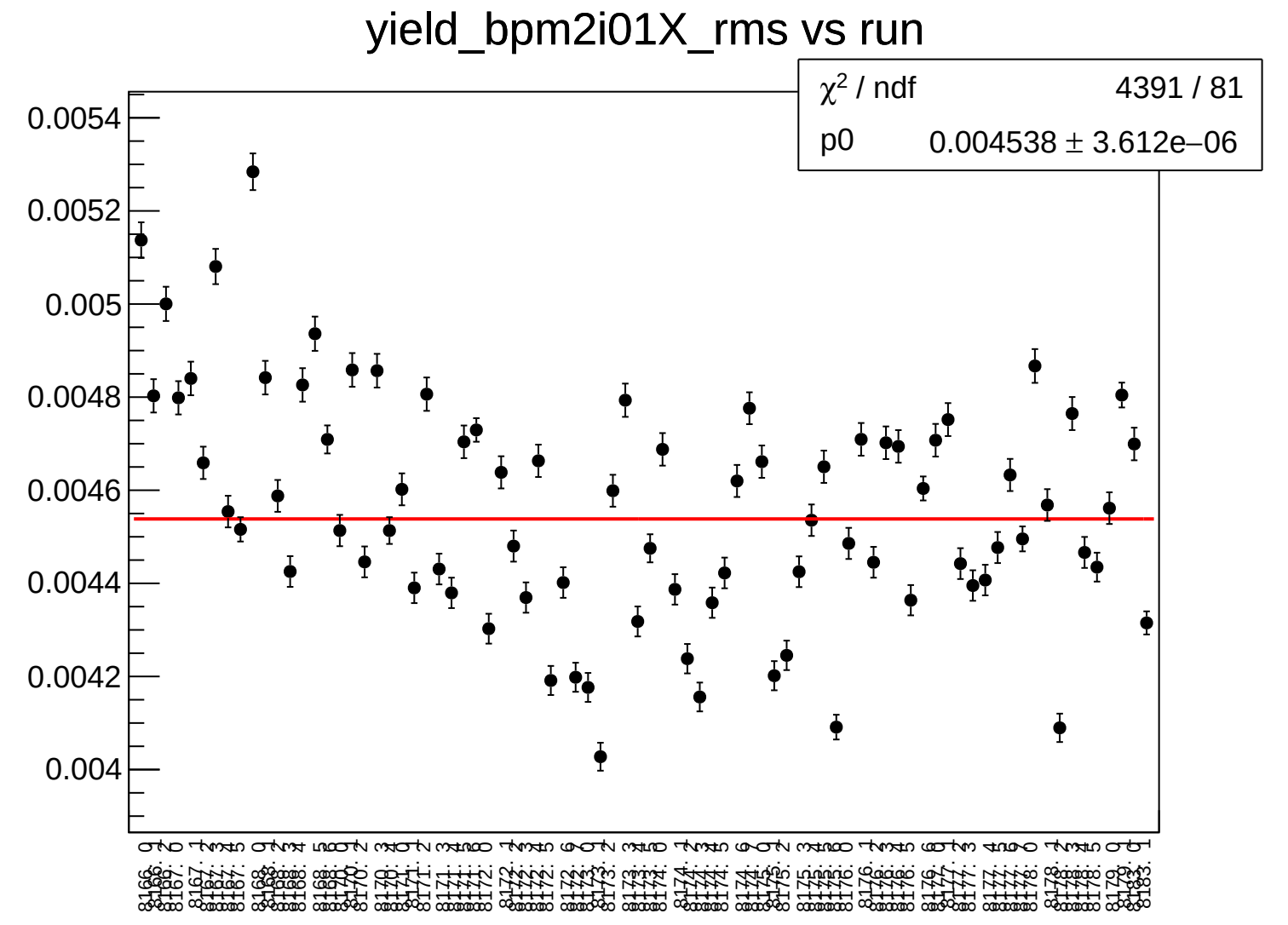

yield_bpm1i06X_rms vs run
χ² / ndf 1.142e+04 / 81
p0 0.01266 ± 1.01e−05
0.018
0.016
0.014
0.012
0.01

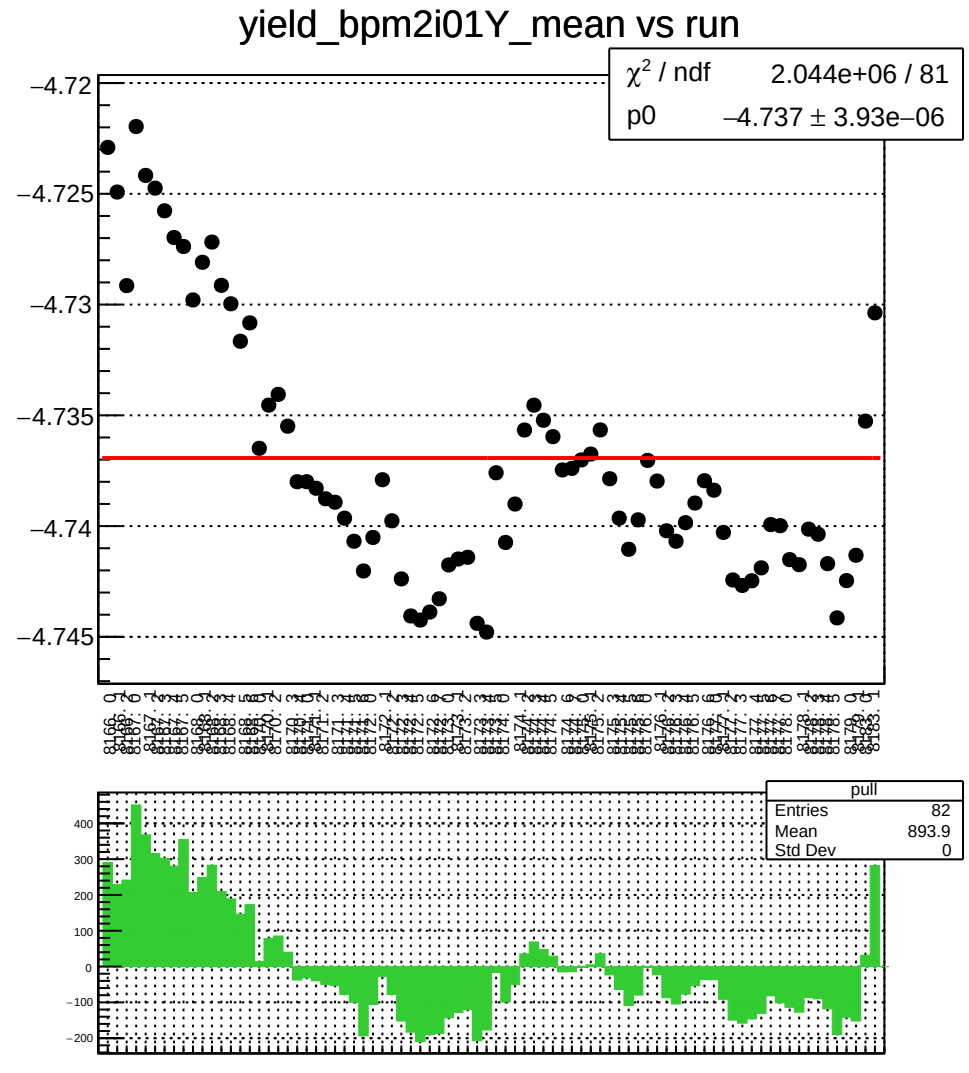

yield_bpm1i06Y_mean vs run
χ² / ndf 3.22e+06 / 81
p0 0.01664 ± 7.931e−06
pull
Entries 82
Mean −168.4
Std Dev 0

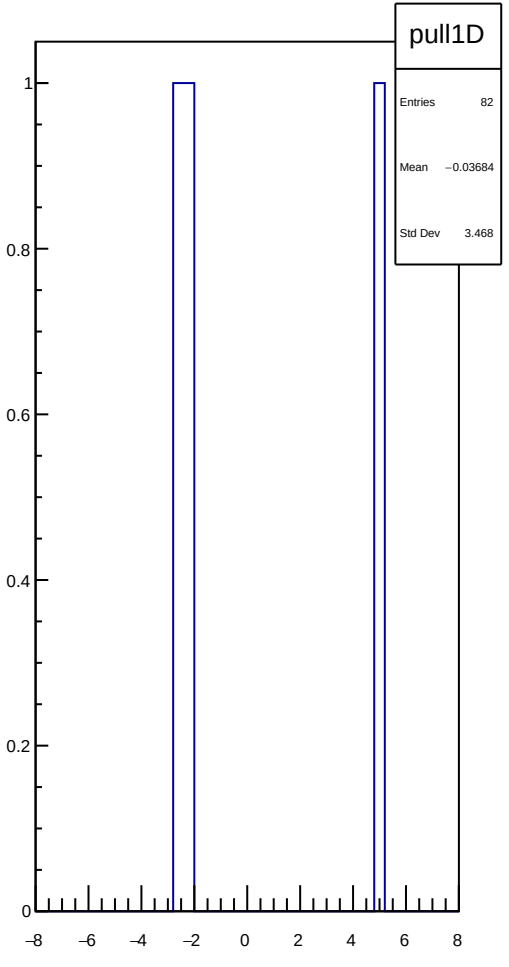

pull1D
Entries 82
Mean 1.7
Std Dev 3.354

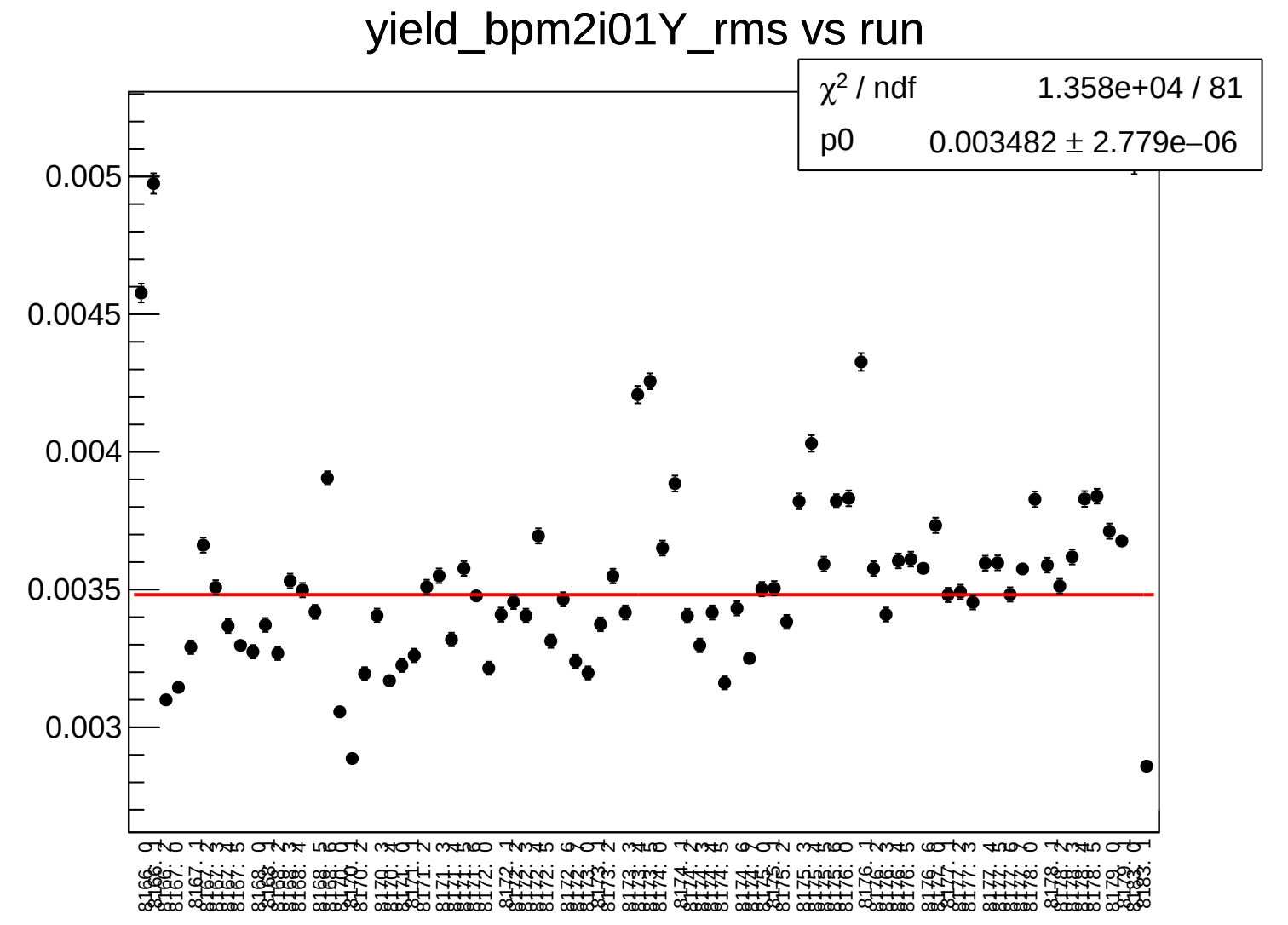

yield_bpm1i06Y_rms vs run
χ² / ndf 3.535e+04 / 81
p0 0.006977 ± 5.608e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

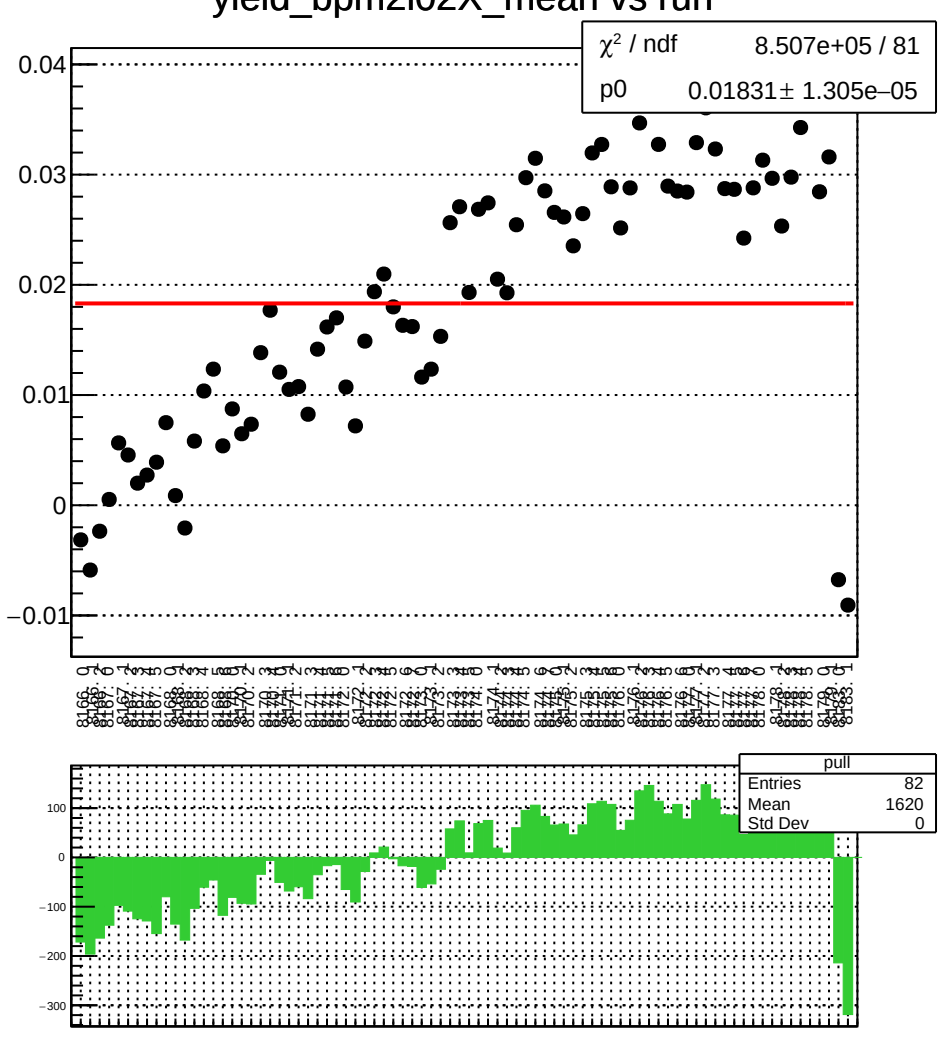

yield_bpm2i01X_mean vs run
χ² / ndf 4.255e+05 / 81
p0 0.8814 ± 5.108e−06
0.888
0.886
0.884
0.882
0.88
0.878
0.876
0.874
pull
Entries 82
Mean 3615
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 82
Mean −0.484
Std Dev 4.073
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

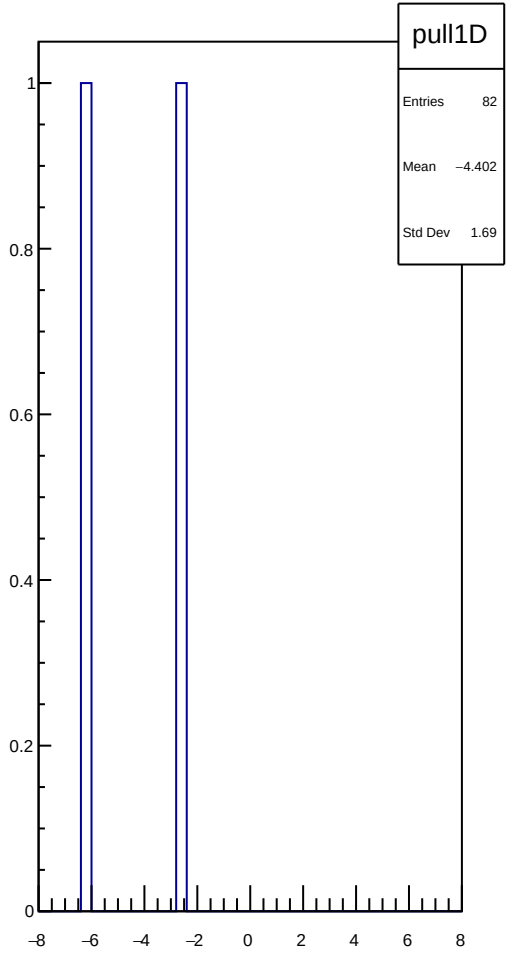

yield_bpm2i01X_rms vs run
χ² / ndf 4391 / 81
p0 0.004538 ± 3.612e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004

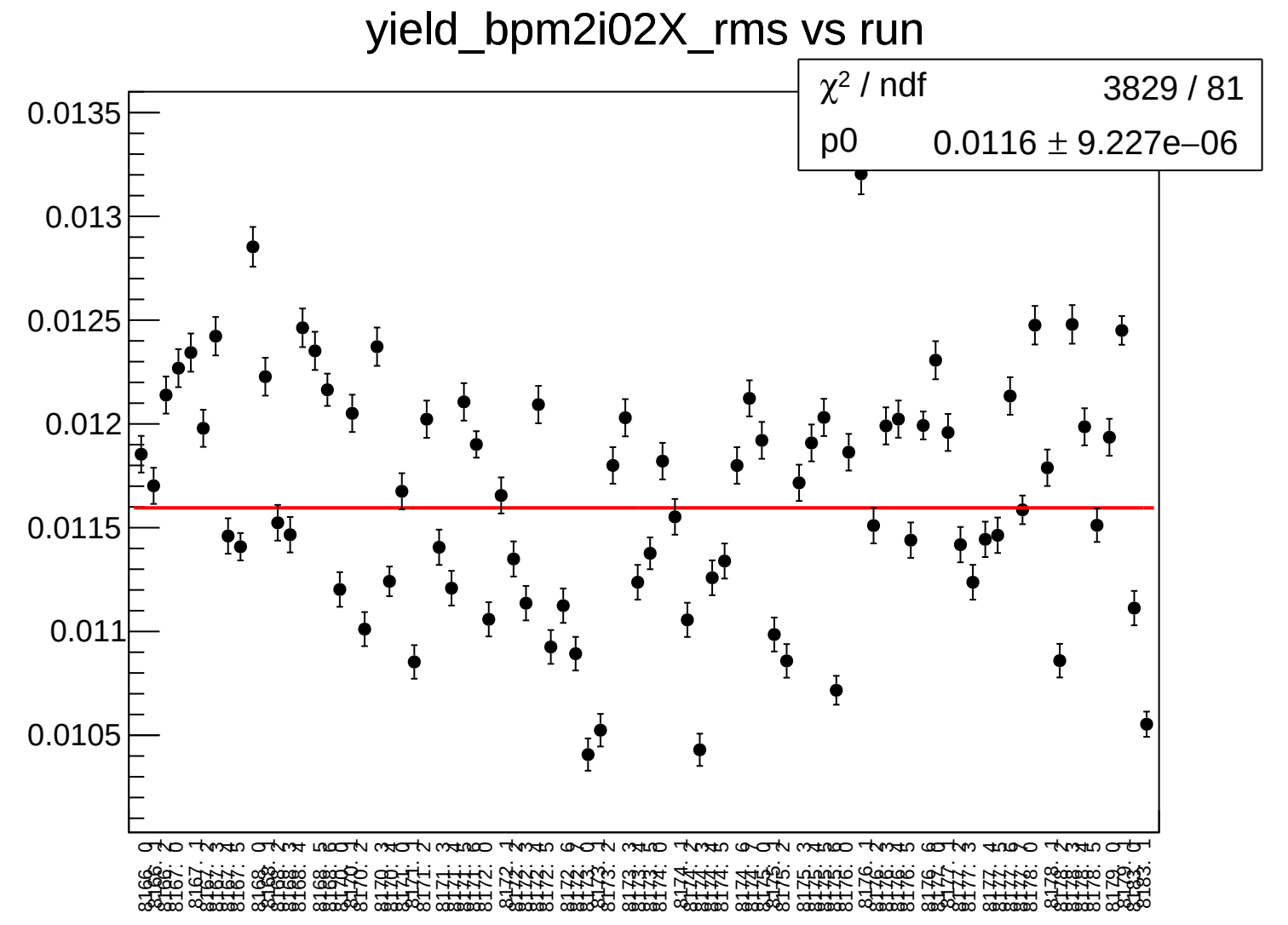

yield_bpm2i01Y_mean vs run
χ² / ndf 2.044e+06 / 81
p0 −4.737 ± 3.93e−06
−4.72
−4.725
−4.73
−4.735
−4.74
−4.745
pull
Entries 82
Mean 893.9
Std Dev 0
400
300
200
100
0
−100
−200

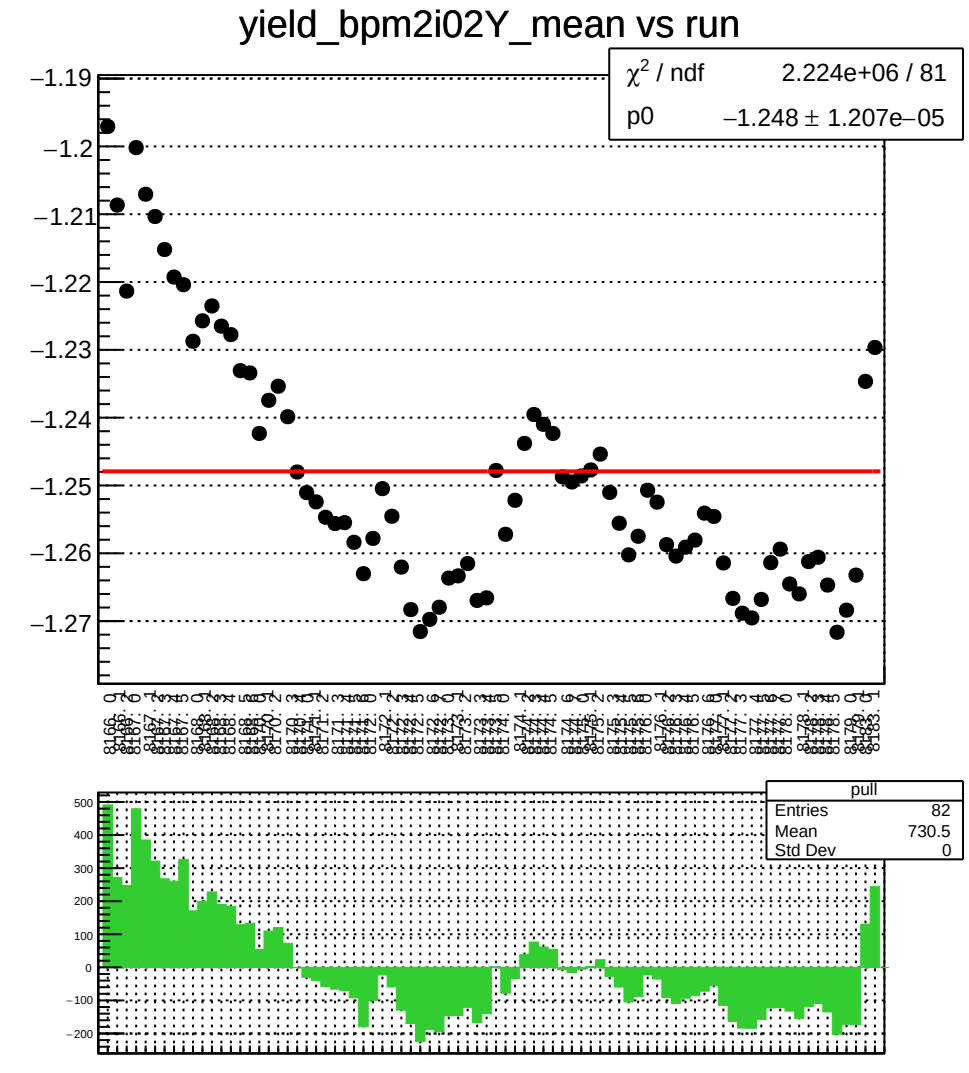

pull1D
Entries 82
Mean −0.03684
Std Dev 3.468
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

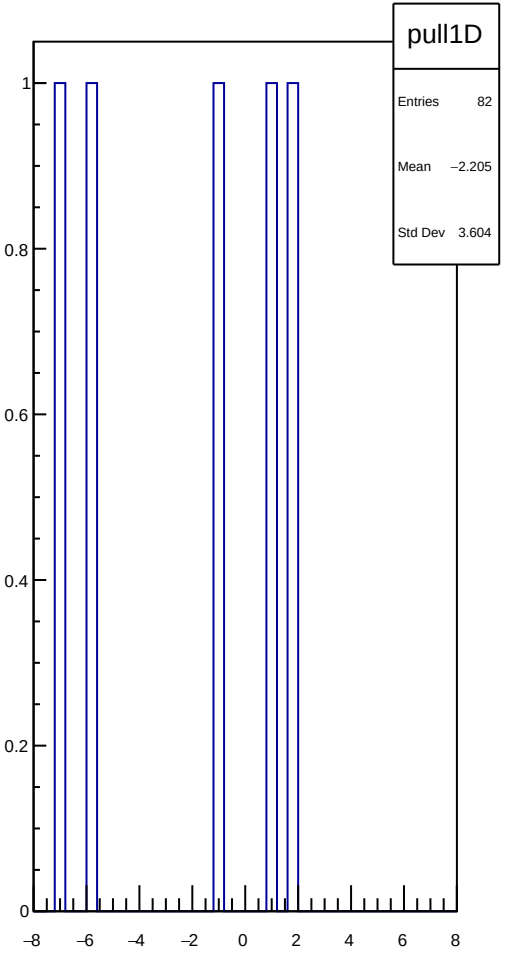

yield_bpm2i01Y_rms vs run
χ² / ndf 1.358e+04 / 81
p0 0.003482 ± 2.779e−06
0.005
0.0045
0.004
0.0035
0.003

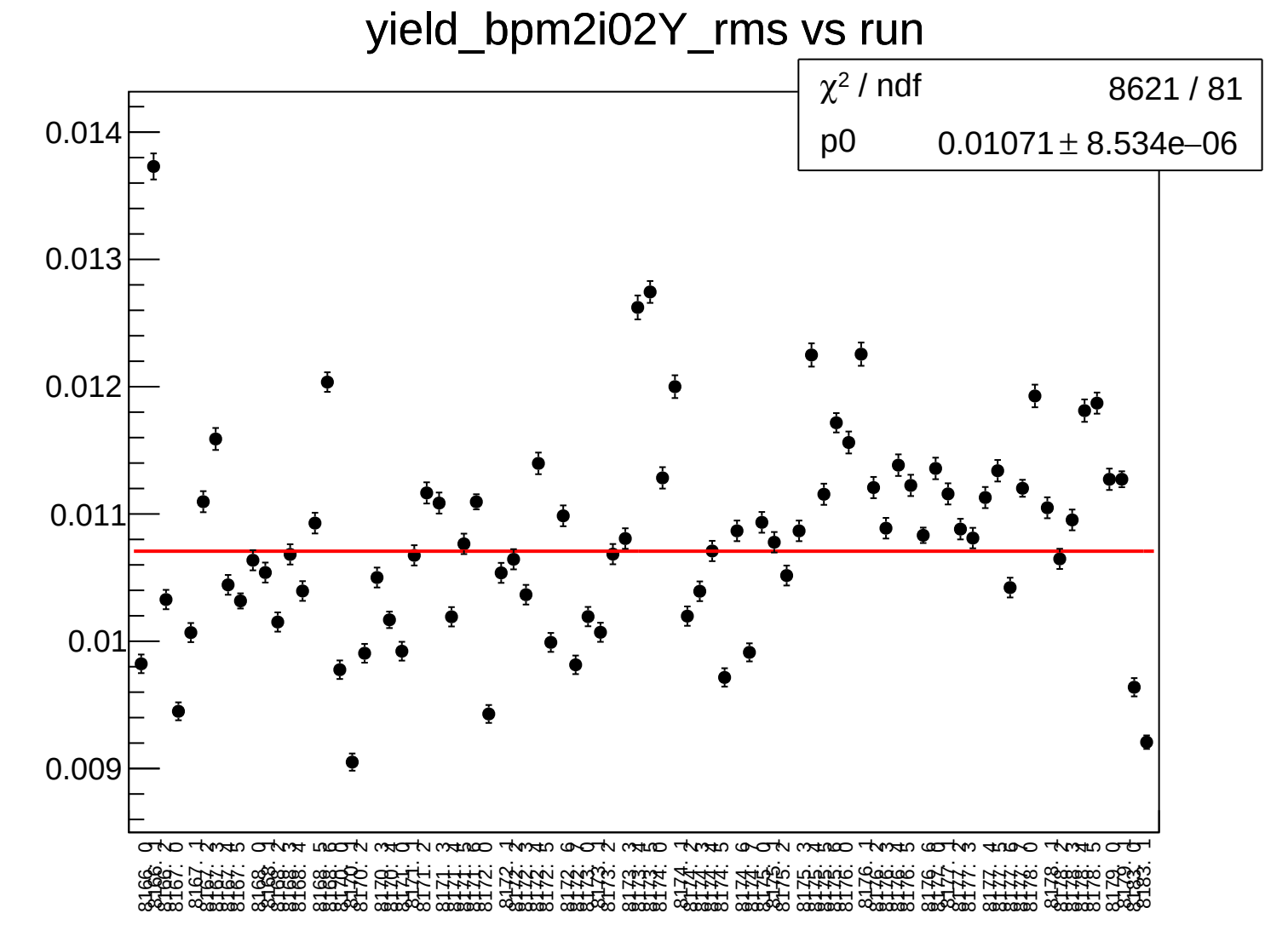

yield_bpm2i02X_mean vs run
χ² / ndf 8.507e+05 / 81
p0 0.01831± 1.305e−05
0.04
0.03
0.02
0.01
0
−0.01
pull
Entries 82
Mean 1620
Std Dev 0
100
0
−100
−200
−300

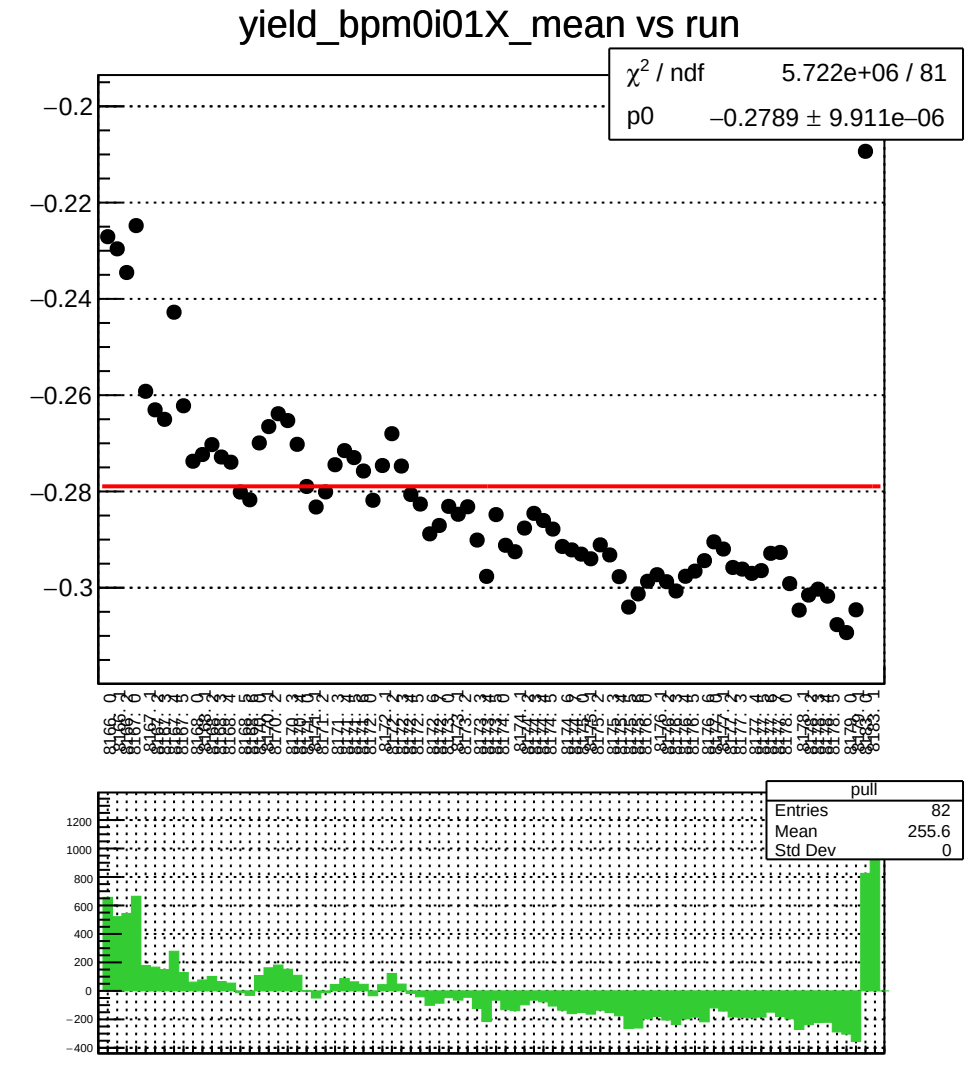

pull1D
Entries 82
Mean −4.402
Std Dev 1.69
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

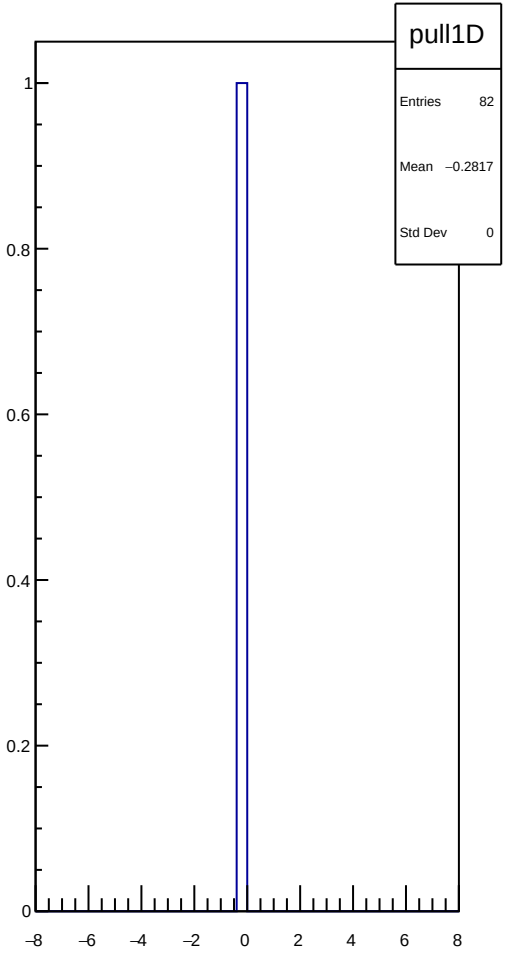

yield_bpm2i02X_rms vs run
χ² / ndf 3829 / 81
p0 0.0116 ± 9.227e−06
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105


yield_bpm2i02Y_mean vs run
χ² / ndf 2.224e+06 / 81
p0 −1.248 ± 1.207e−05
−1.19
−1.2
−1.21
−1.22
−1.23
−1.24
−1.25
−1.26
−1.27
pull
Entries 82
Mean 730.5
Std Dev 0
500
400
300
200
100
0
−100
−200

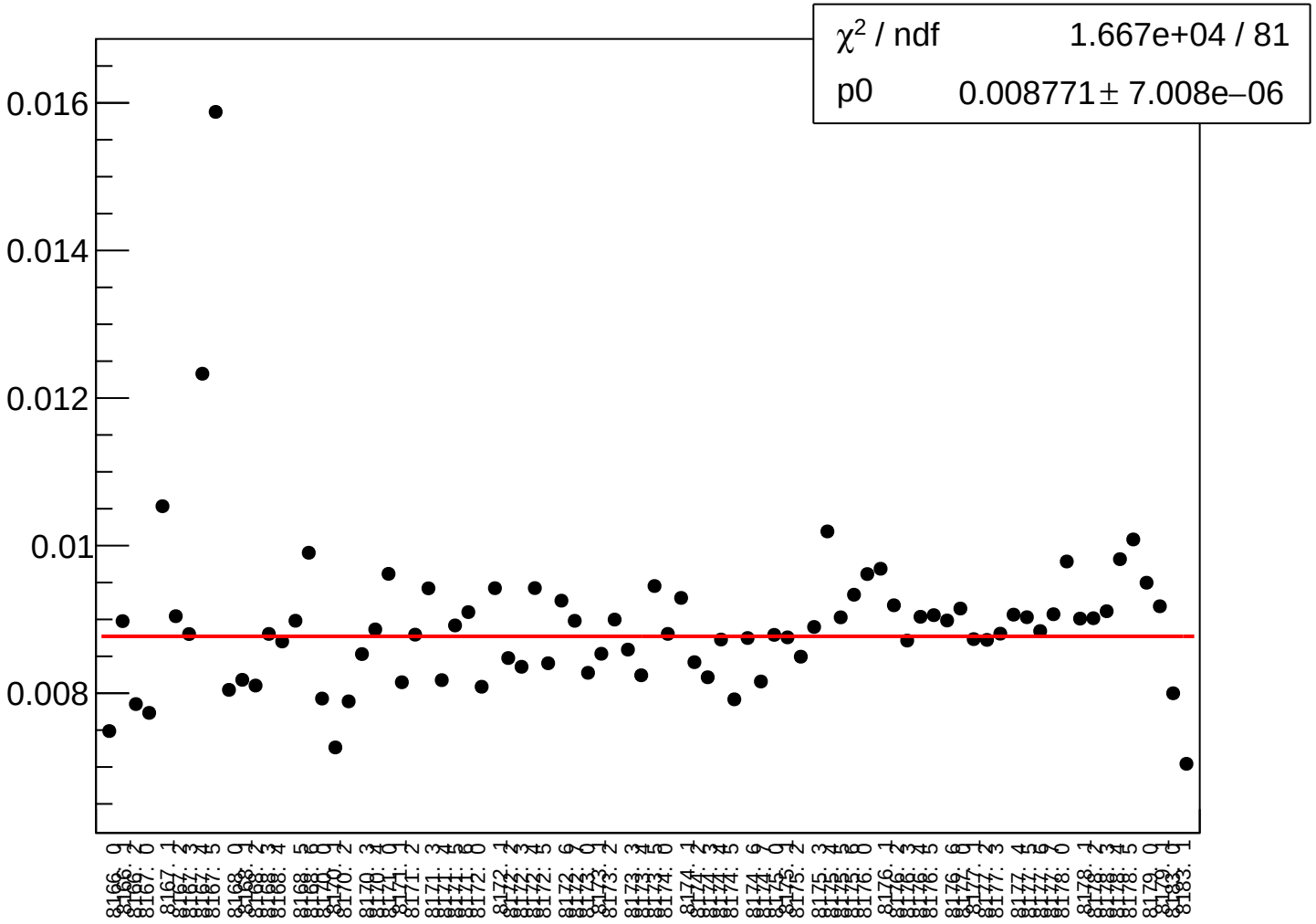

pull1D
Entries 82
Mean −2.205
Std Dev 3.604
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

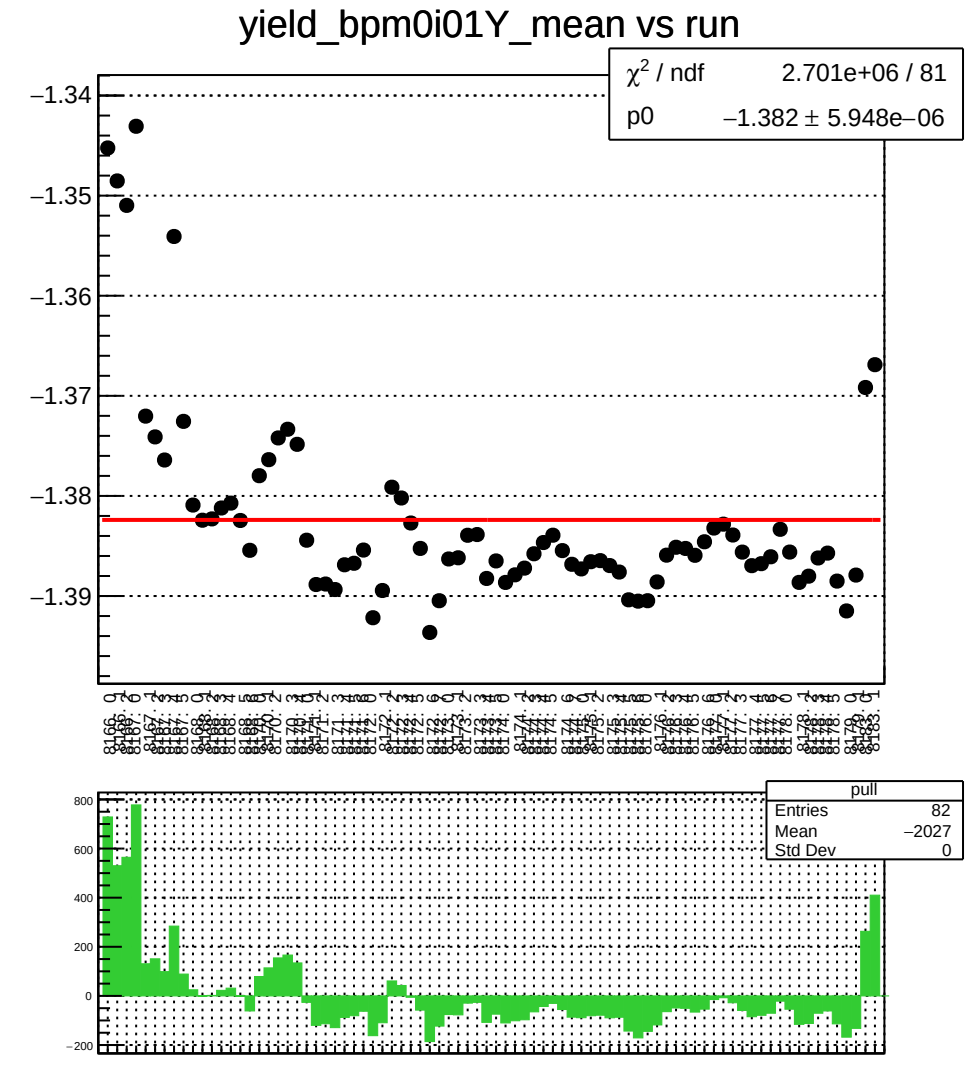

yield_bpm2i02Y_rms vs run
χ² / ndf 8621 / 81
p0 0.01071 ± 8.534e–06
0.014
0.013
0.012
0.011
0.01
0.009

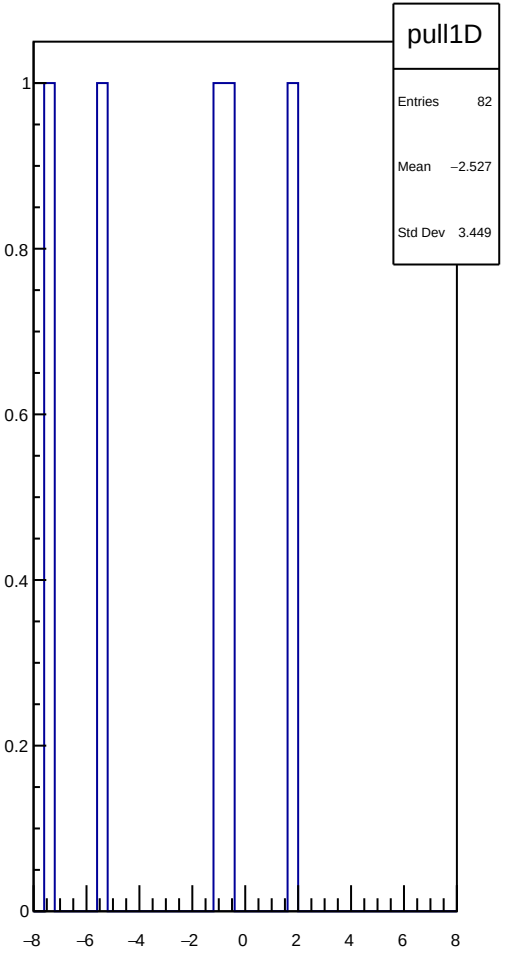

yield_bpm0i01X_mean vs run
χ² / ndf 5.722e+06 / 81
p0 −0.2789 ± 9.911e−06
−0.2
−0.22
−0.24
−0.26
−0.28
−0.3
pull
Entries 82
Mean 255.6
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400

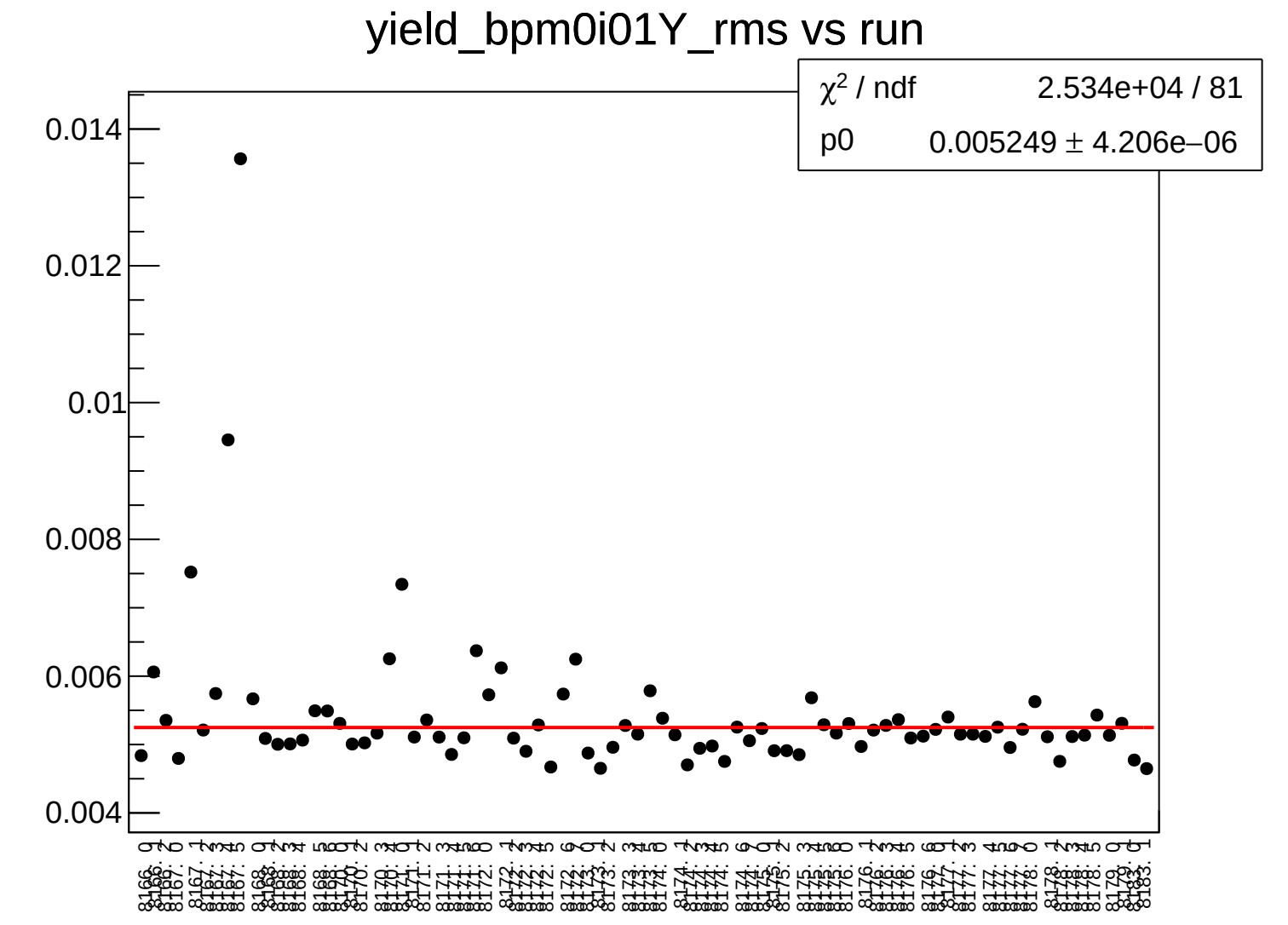

pull1D
Entries 82
Mean −0.2817
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

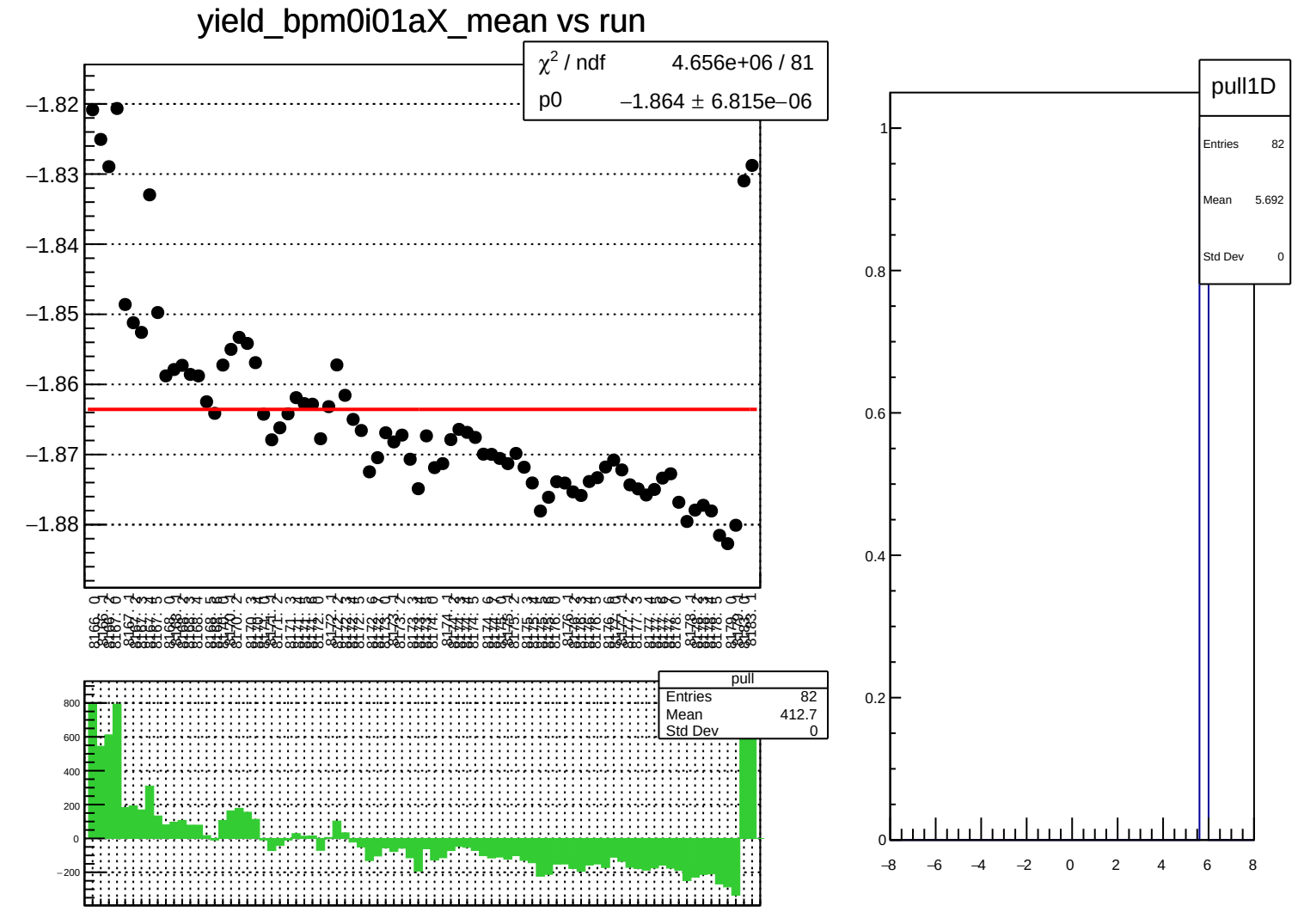
yield_bpm0i01X_rms vs run

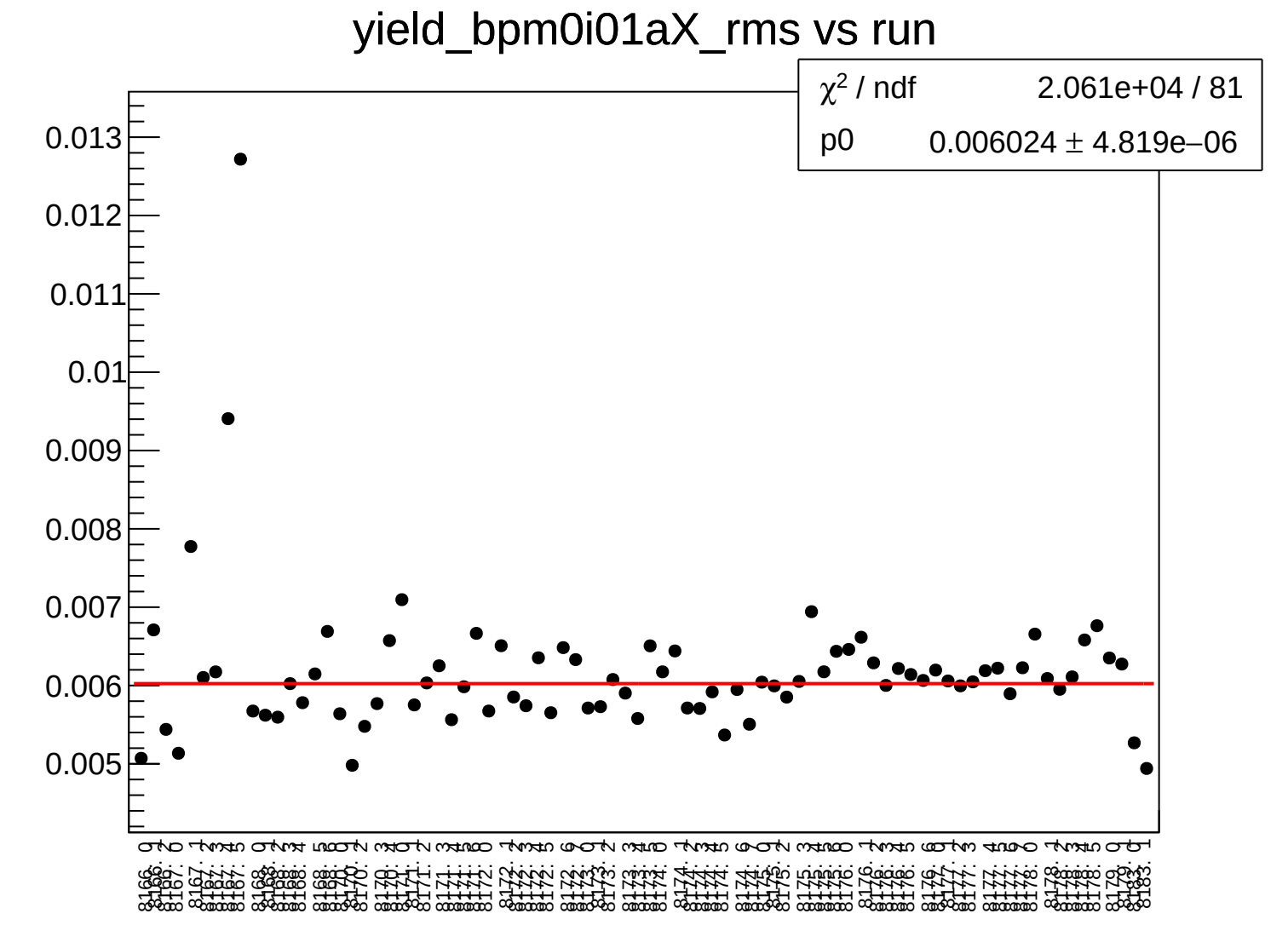


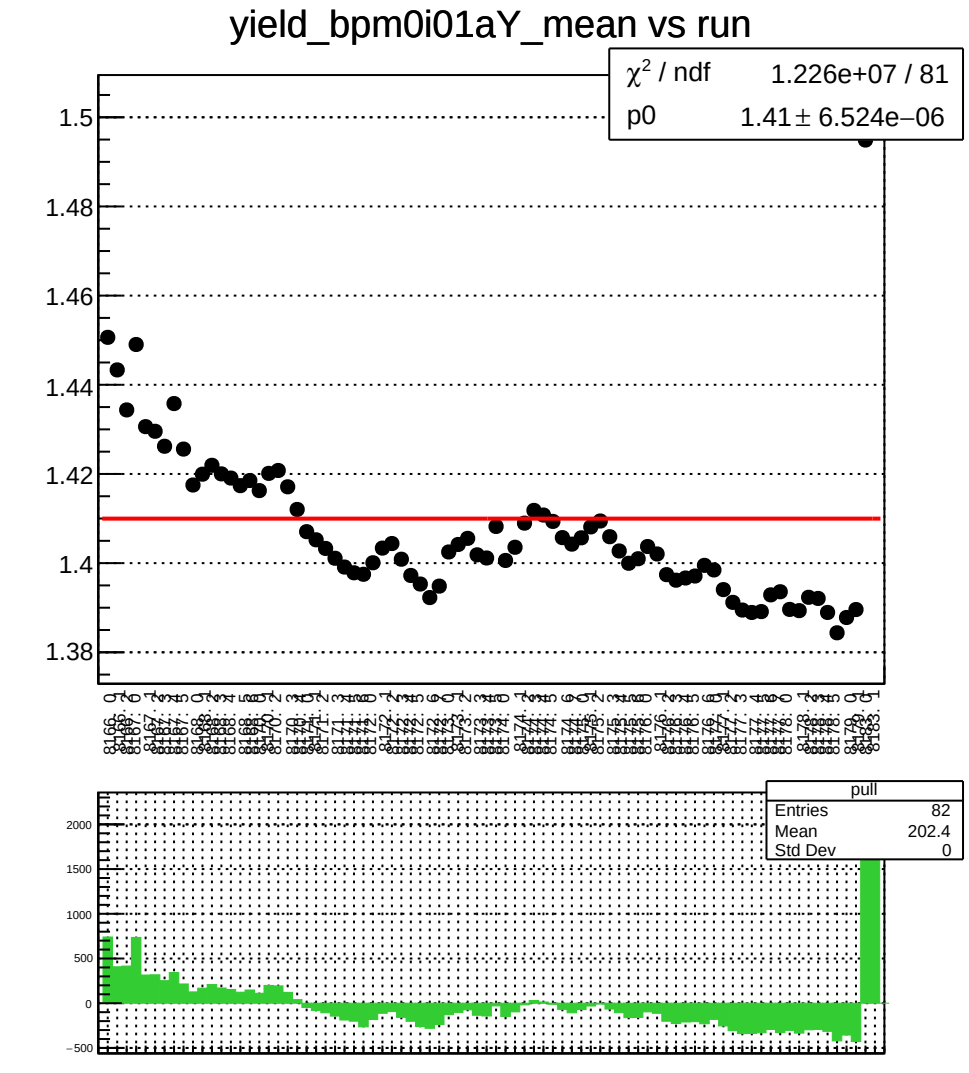

yield_bpm0i01Y_mean vs run
χ² / ndf 2.701e+06 / 81
p0 −1.382 ± 5.948e−06
−1.34
−1.35
−1.36
−1.37
−1.38
−1.39
pull
Entries 82
Mean −2027
Std Dev 0
800
600
400
200
0
−200

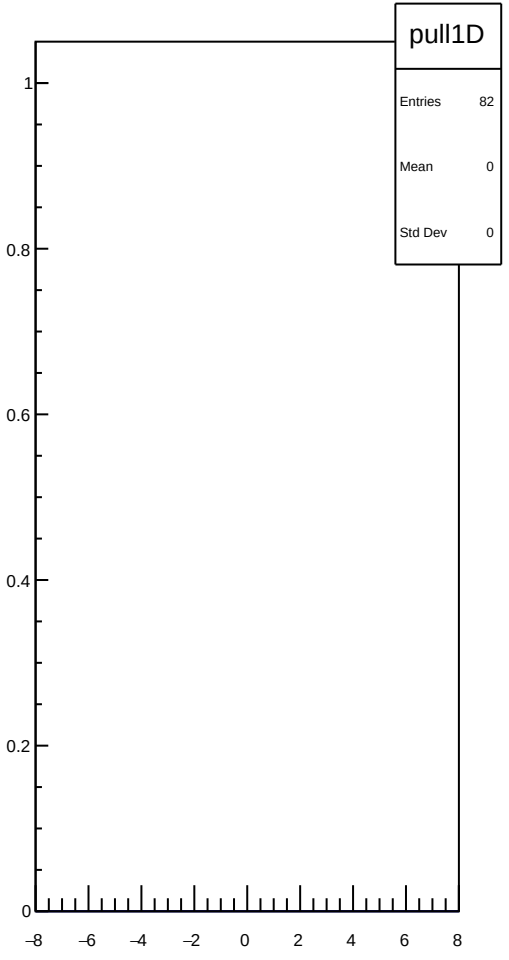

pull1D
Entries 82
Mean −2.527
Std Dev 3.449
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

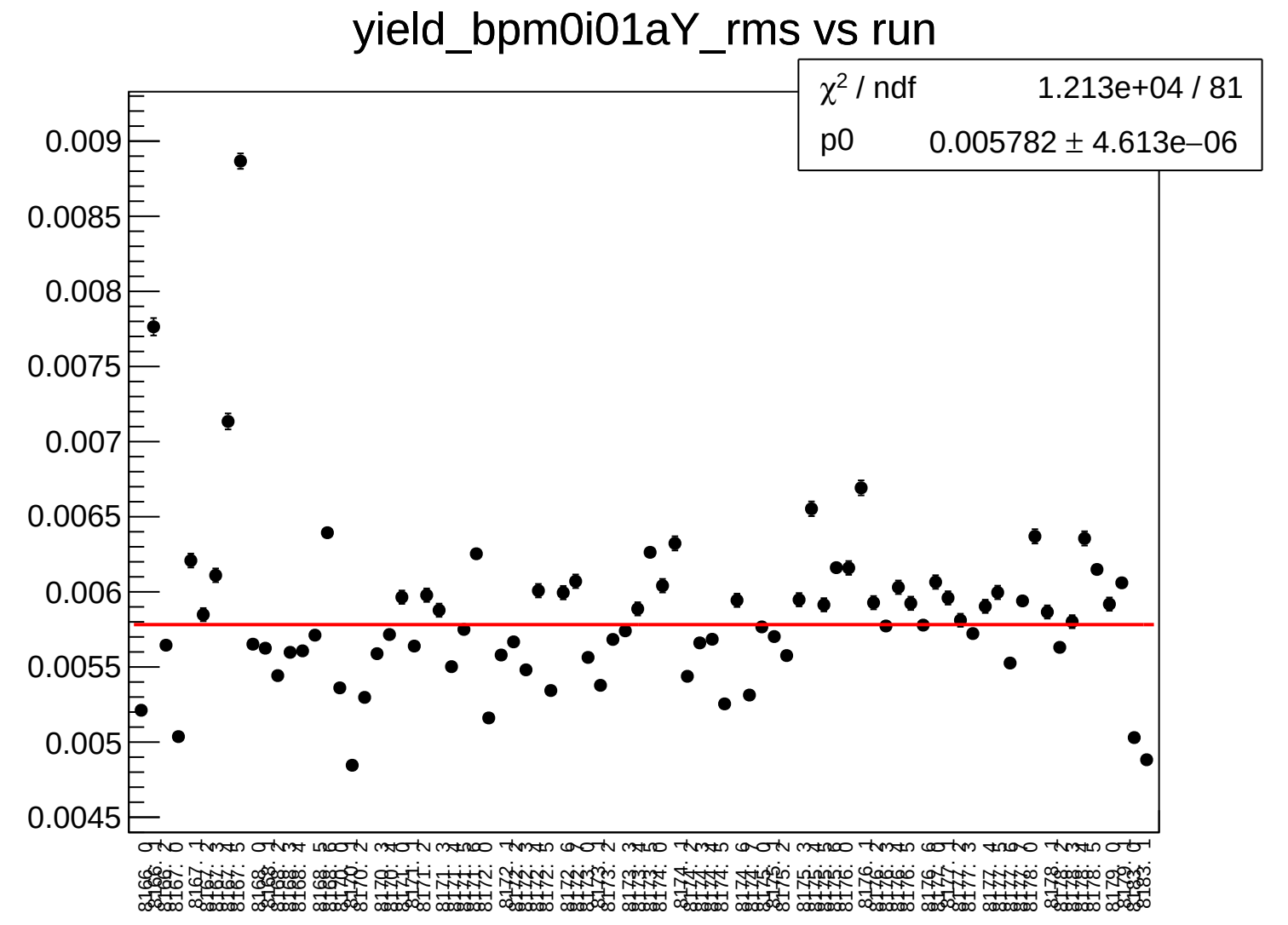

yield_bpm0i01Y_rms vs run
χ² / ndf 2.534e+04 / 81
p0 0.005249 ± 4.206e−06
0.014
0.012
0.01
0.008
0.006
0.004

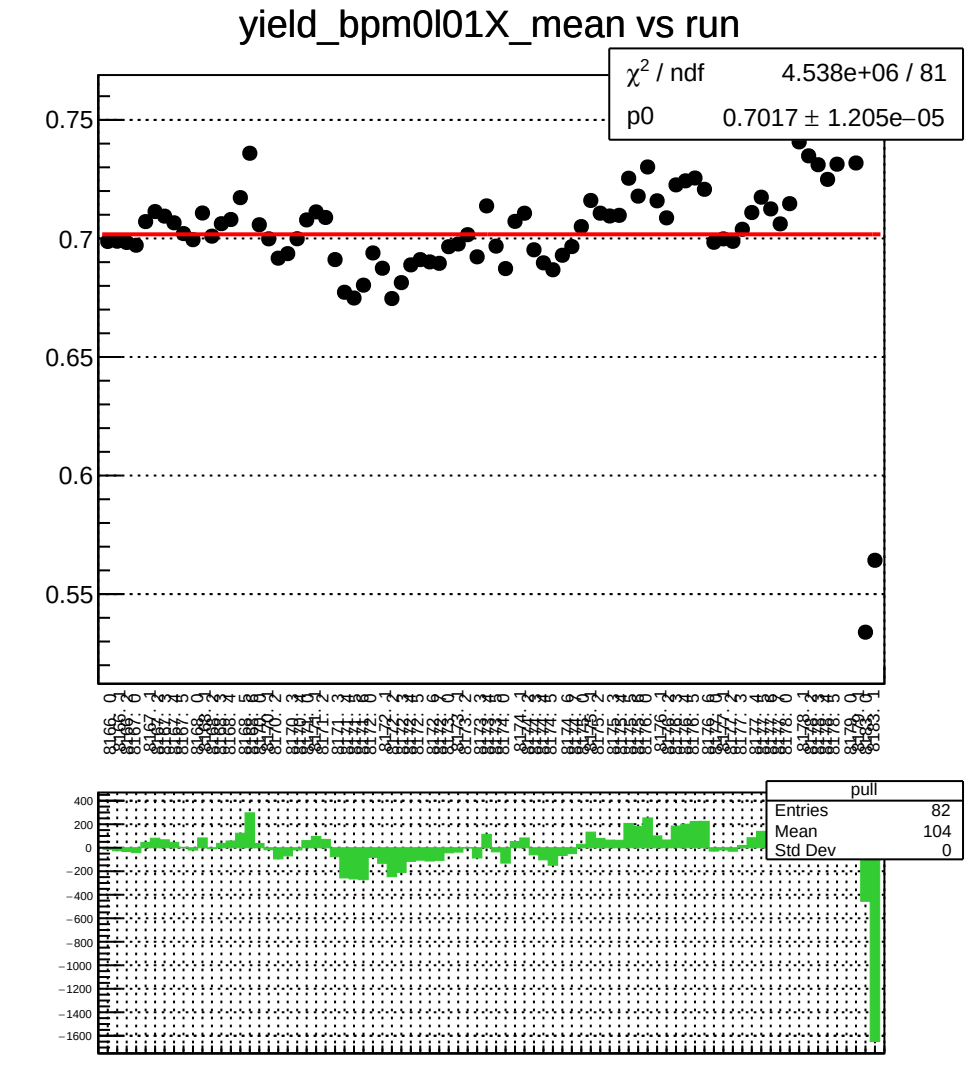

yield_bpm0i01aX_mean vs run
χ² / ndf 4.656e+06 / 81
p0 −1.864 ± 6.815e−06
−1.82
−1.83
−1.84
−1.85
−1.86
−1.87
−1.88
pull
Entries 82
Mean 412.7
Std Dev 0
800
600
400
200
0
−200
pull1D
Entries 82
Mean 5.692
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

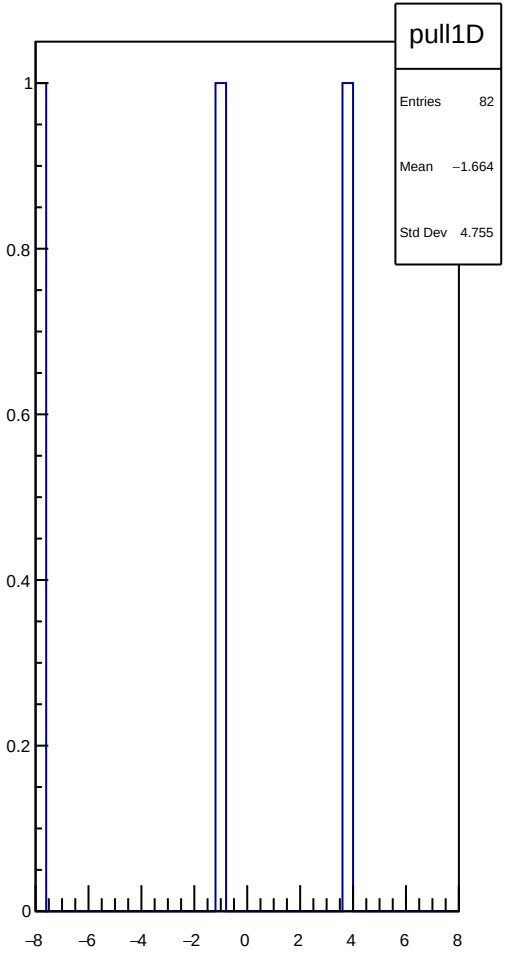

yield_bpm0i01aX_rms vs run
χ² / ndf 2.061e+04 / 81
p0 0.006024 ± 4.819e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005


yield_bpm0i01aY_mean vs run
χ² / ndf 1.226e+07 / 81
p0 1.41 ± 6.524e−06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
pull
Entries 82
Mean 202.4
Std Dev 0
2000
1500
1000
500
0
−500

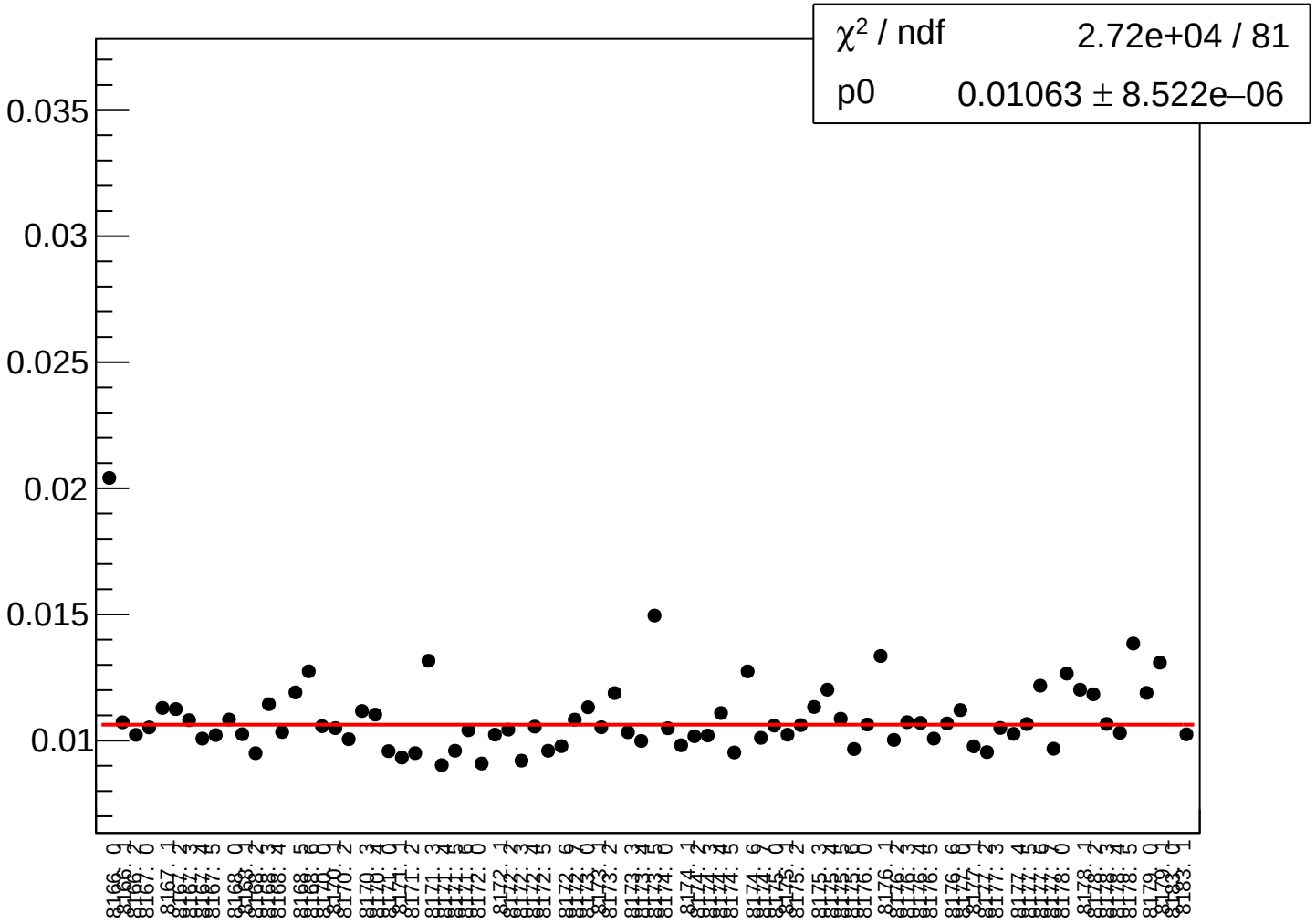

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

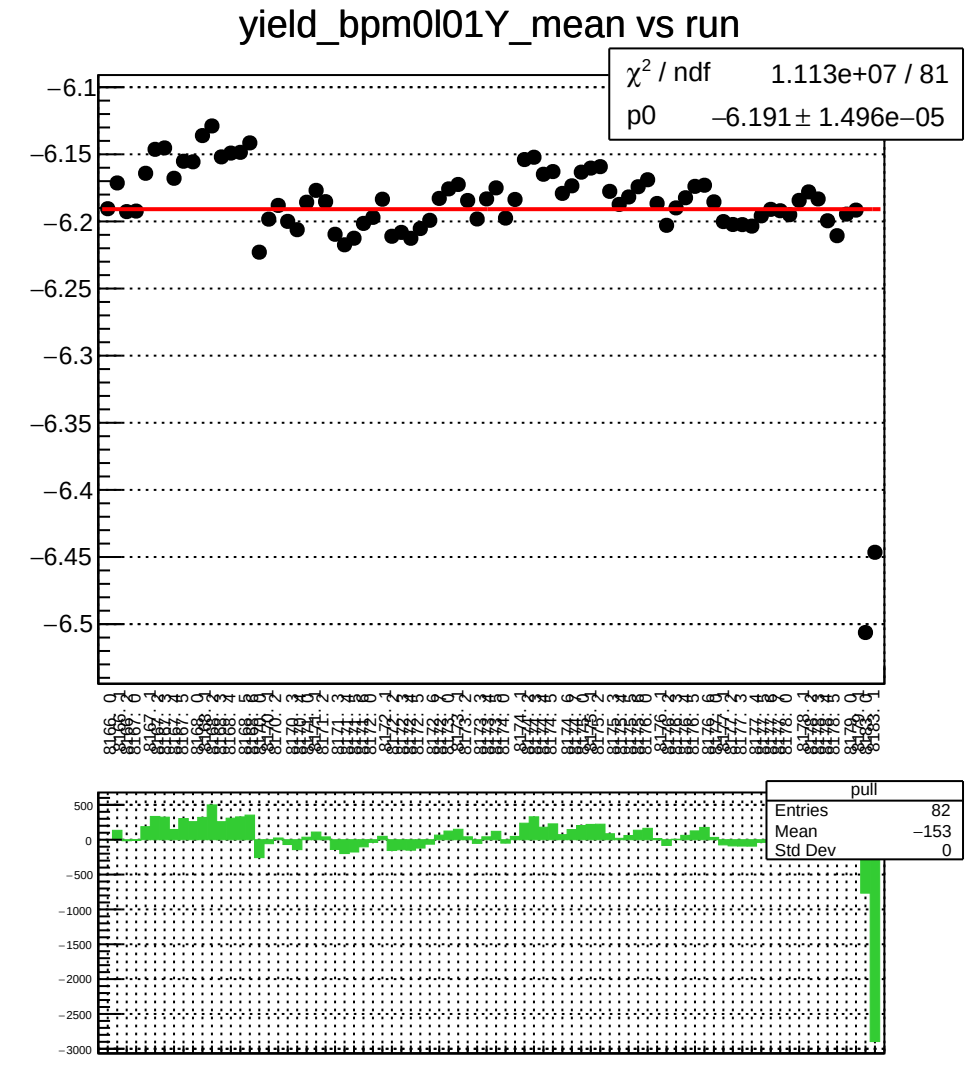

yield_bpm0i01aY_rms vs run
χ² / ndf 1.213e+04 / 81
p0 0.005782 ± 4.613e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045

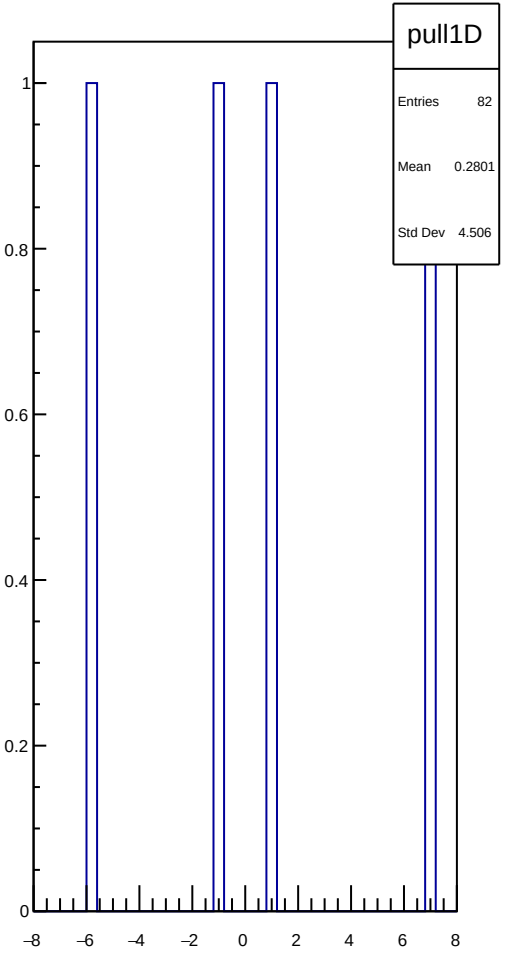

yield_bpm0l01X_mean vs run
χ² / ndf 4.538e+06 / 81
p0 0.7017 ± 1.205e−05
0.75
0.7
0.65
0.6
0.55
pull
Entries 82
Mean 104
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600

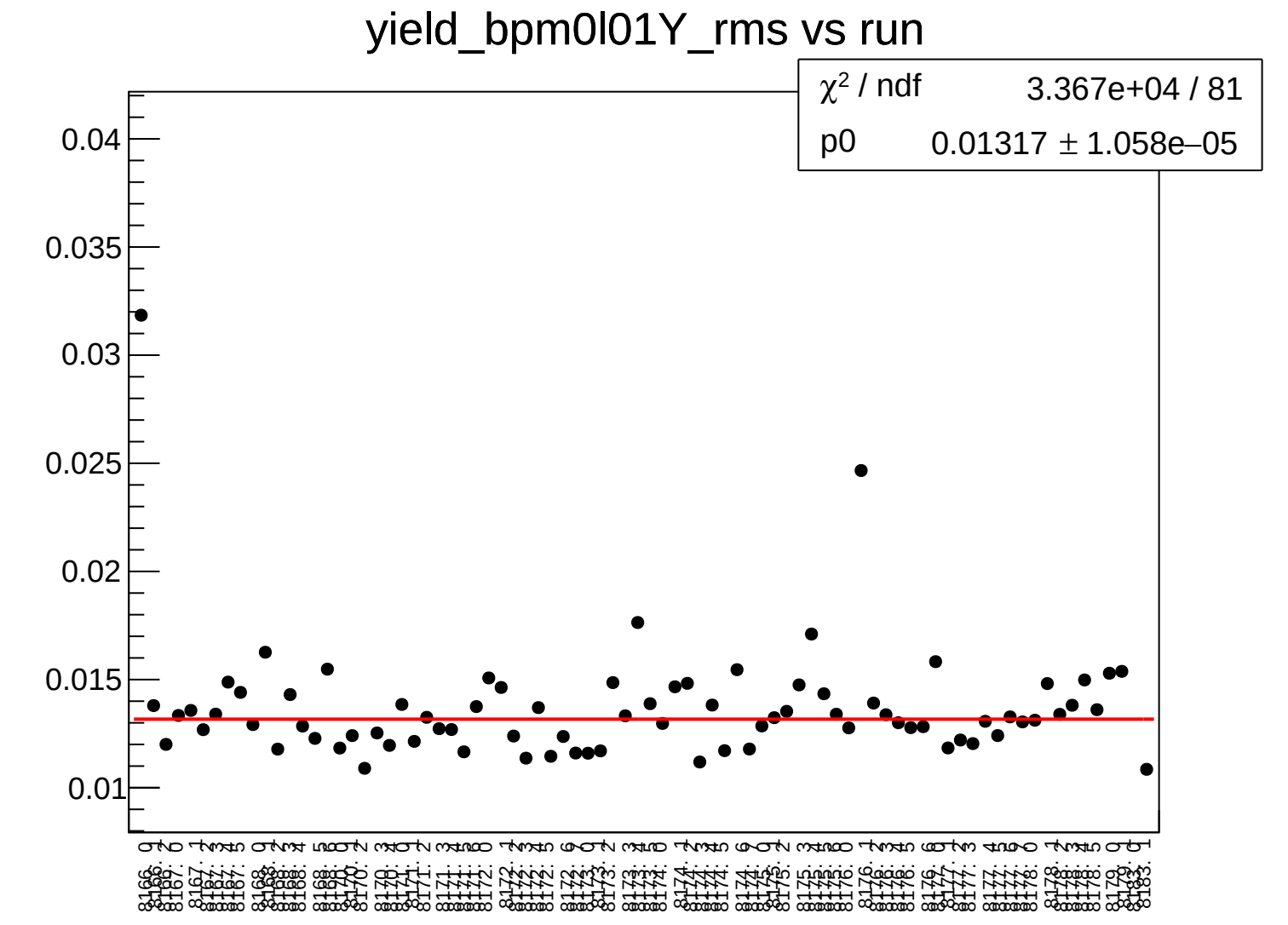

pull1D
Entries 82
Mean −1.664
Std Dev 4.755
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

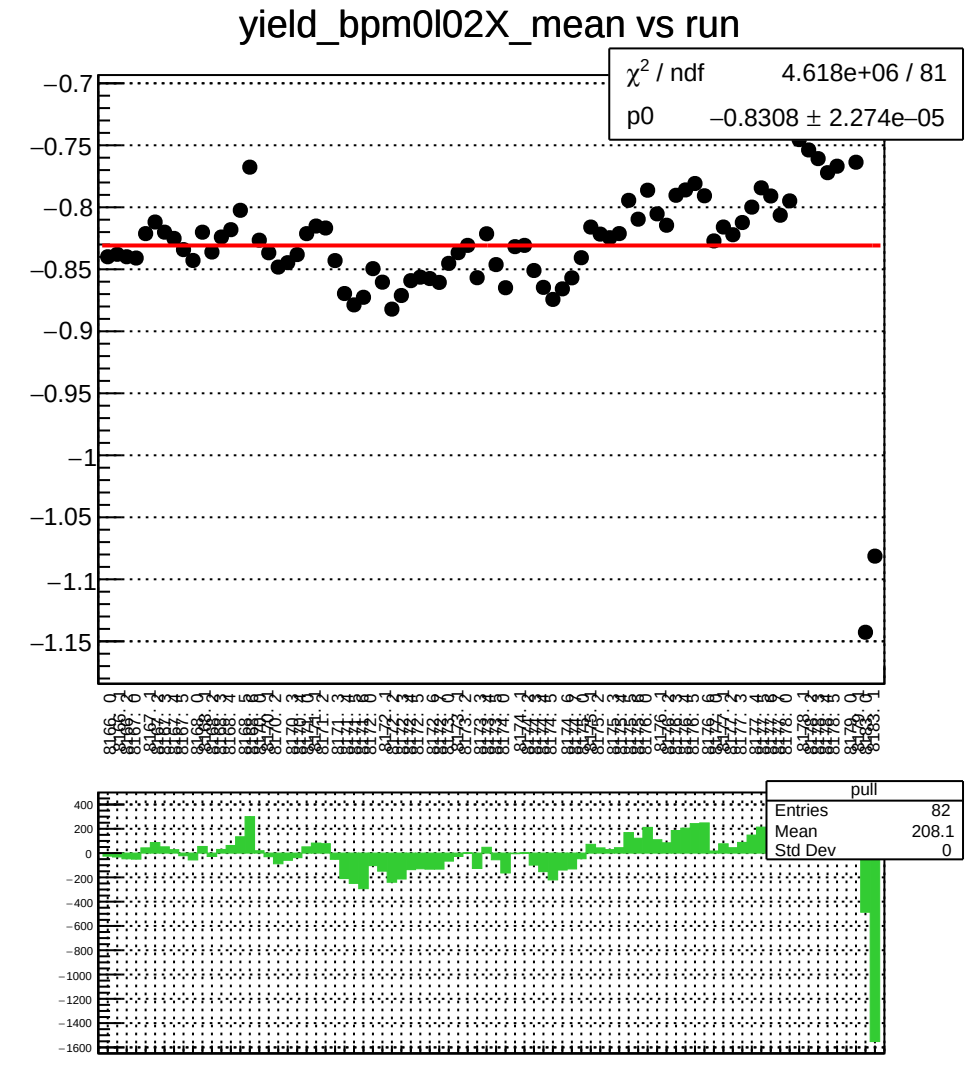
yield_bpm0l01X_rms vs run

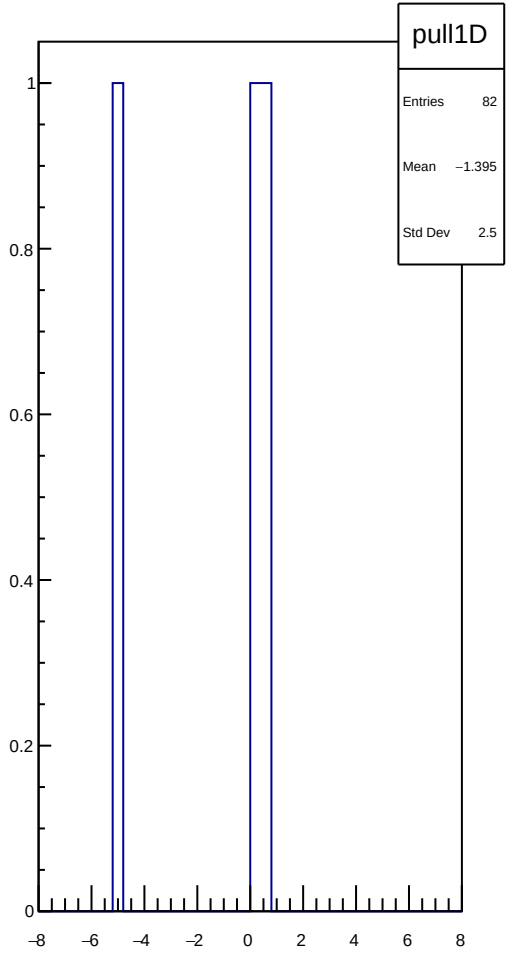


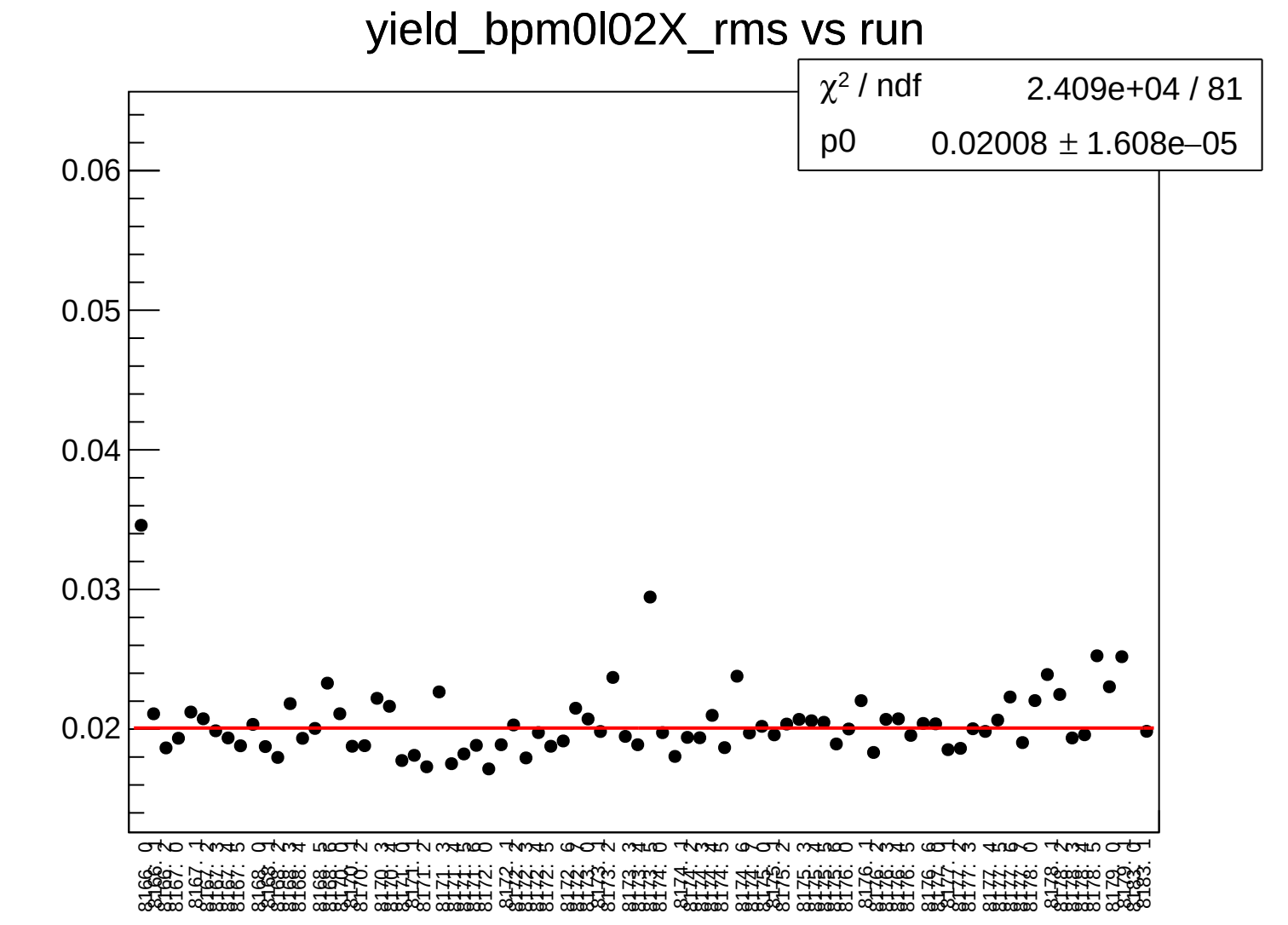

yield_bpm0l01Y_mean vs run
χ² / ndf 1.113e+07 / 81
p0 −6.191 ± 1.496e−05
pull
Entries 82
Mean −153
Std Dev 0

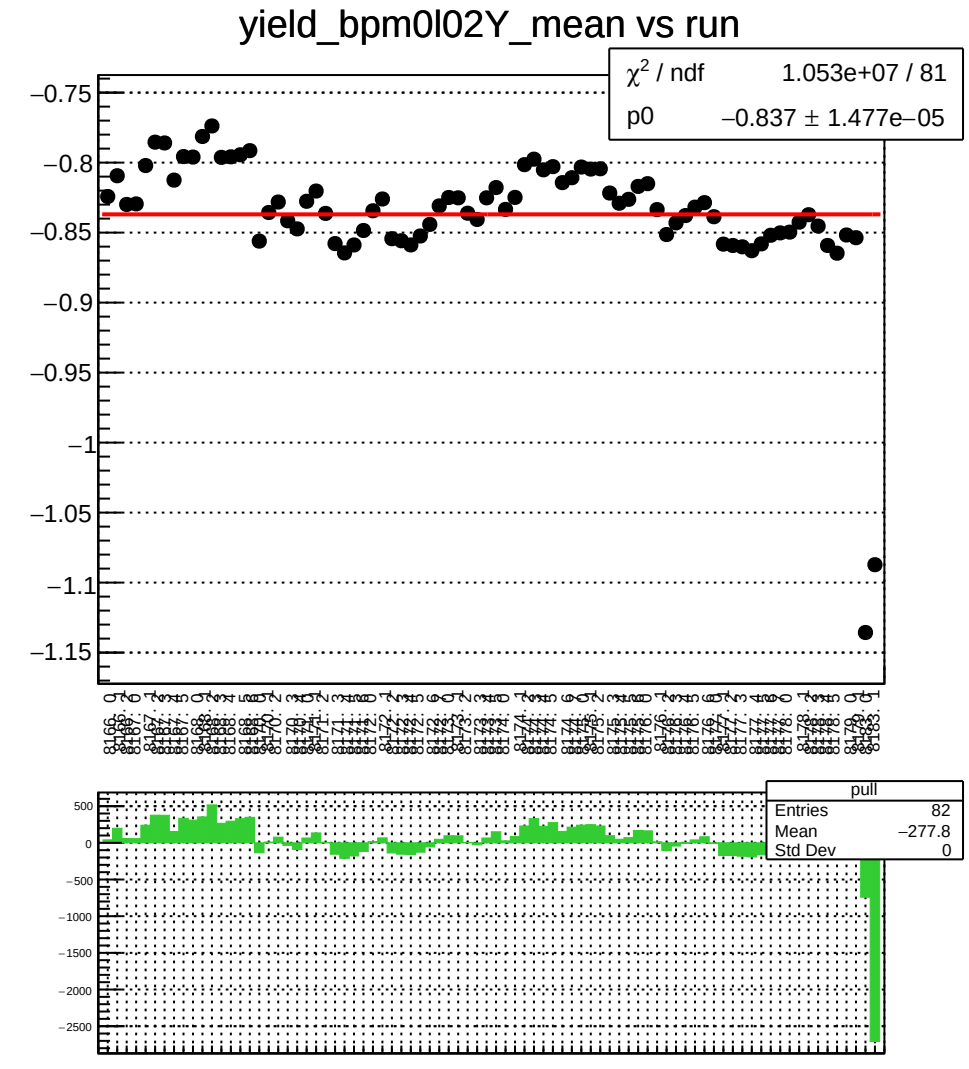

pull1D
Entries 82
Mean 0.2801
Std Dev 4.506

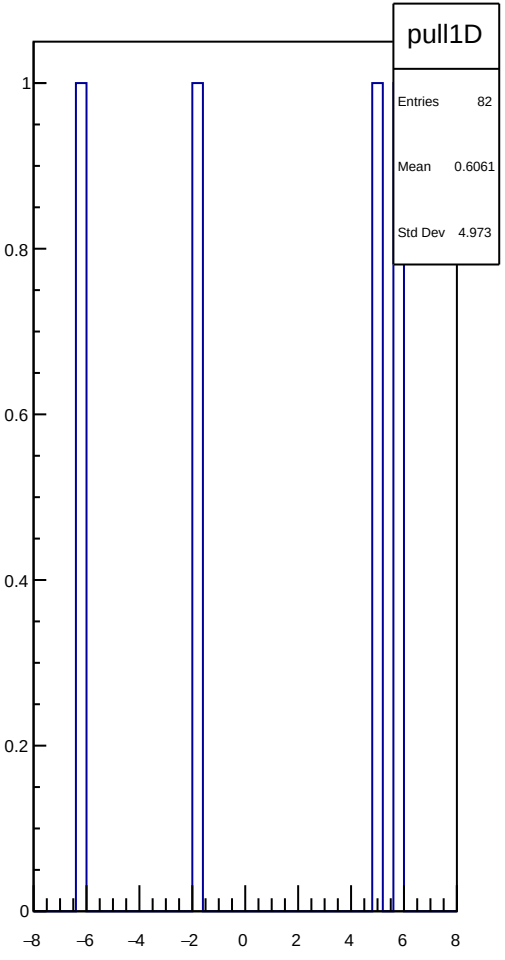

yield_bpm0l01Y_rms vs run
χ² / ndf 3.367e+04 / 81
p0 0.01317 ± 1.058e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

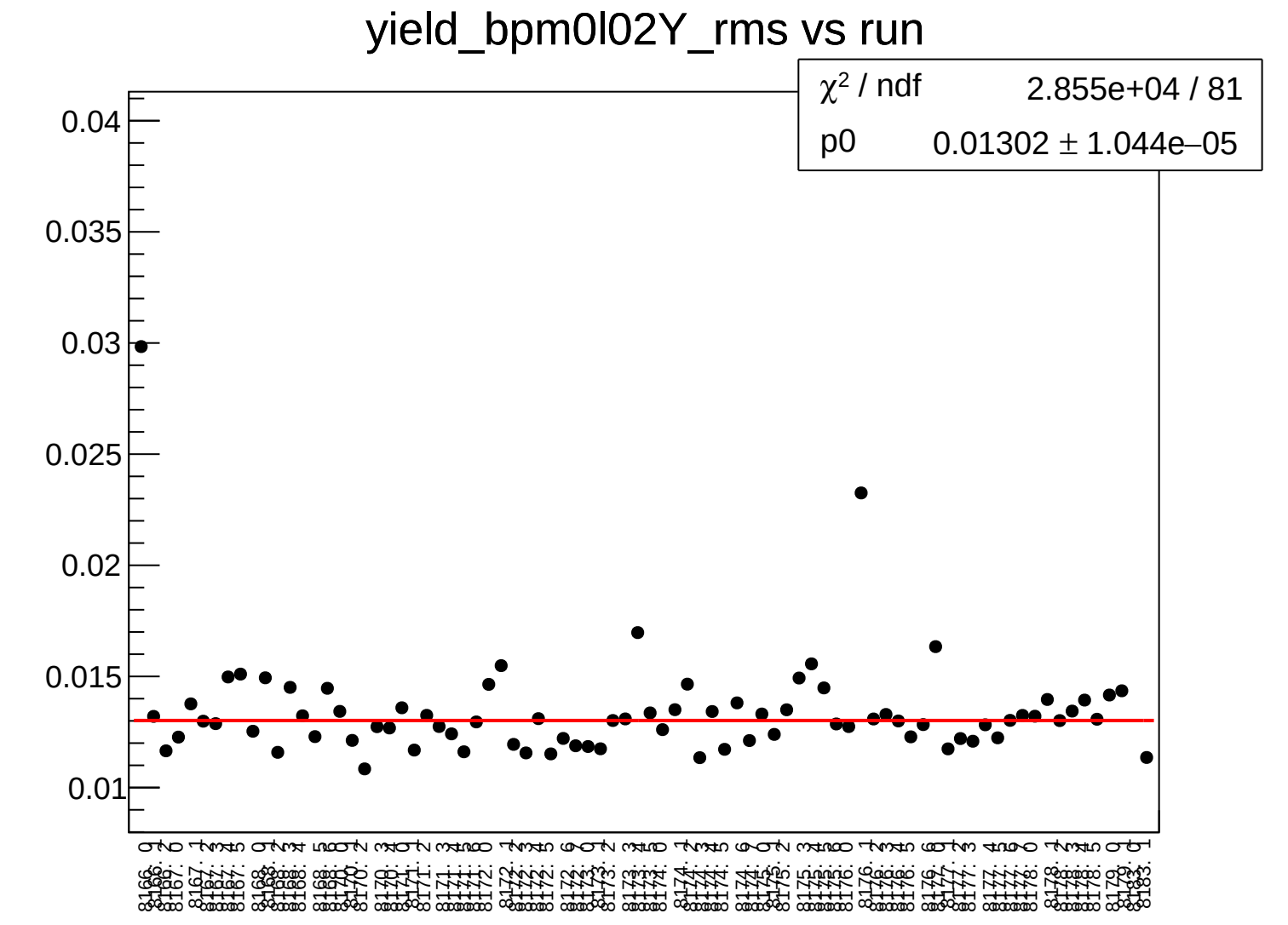

yield_bpm0l02X_mean vs run
χ² / ndf 4.618e+06 / 81
p0 −0.8308 ± 2.274e−05
pull
Entries 82
Mean 208.1
Std Dev 0

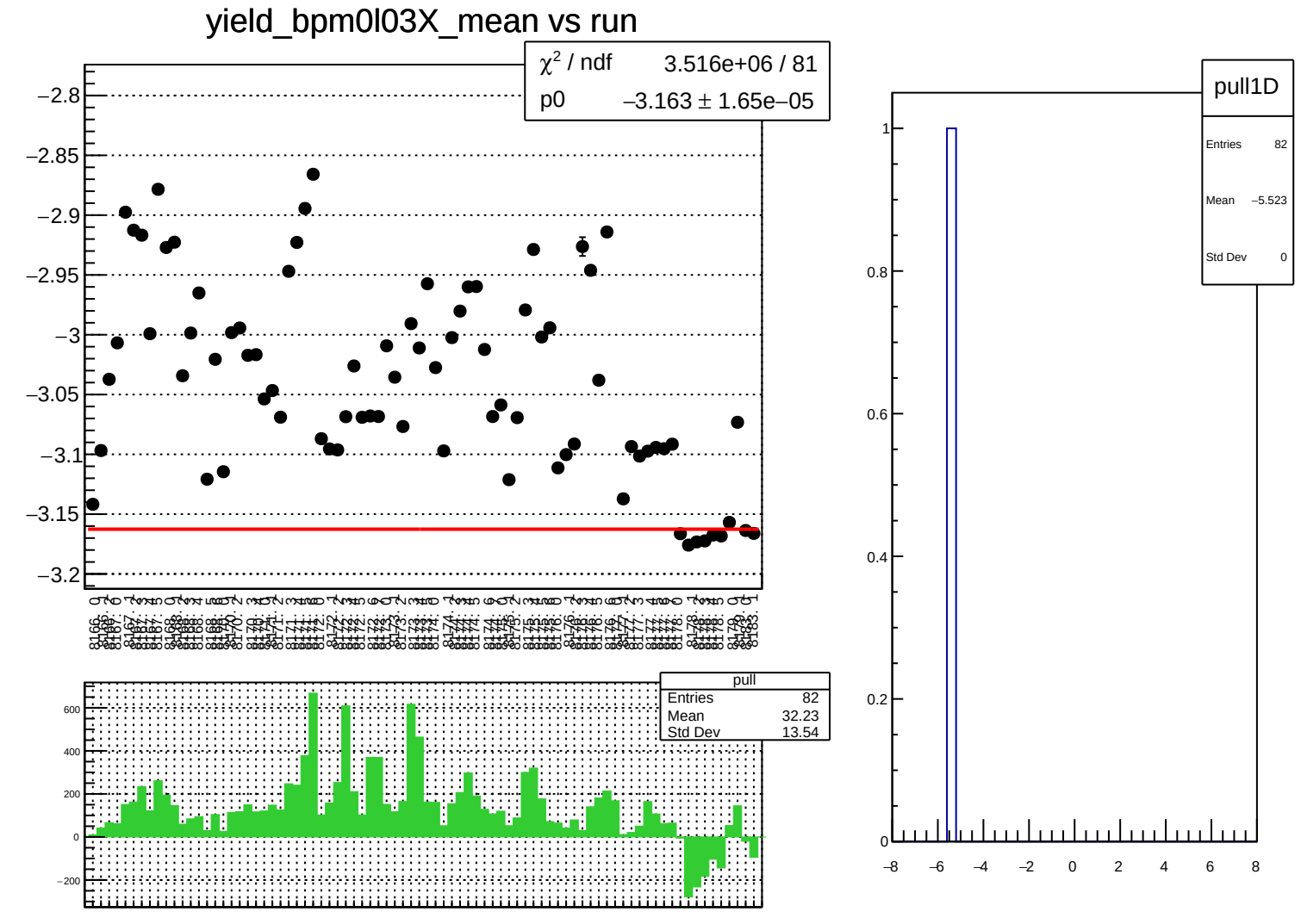

pull1D
Entries 82
Mean −1.395
Std Dev 2.5

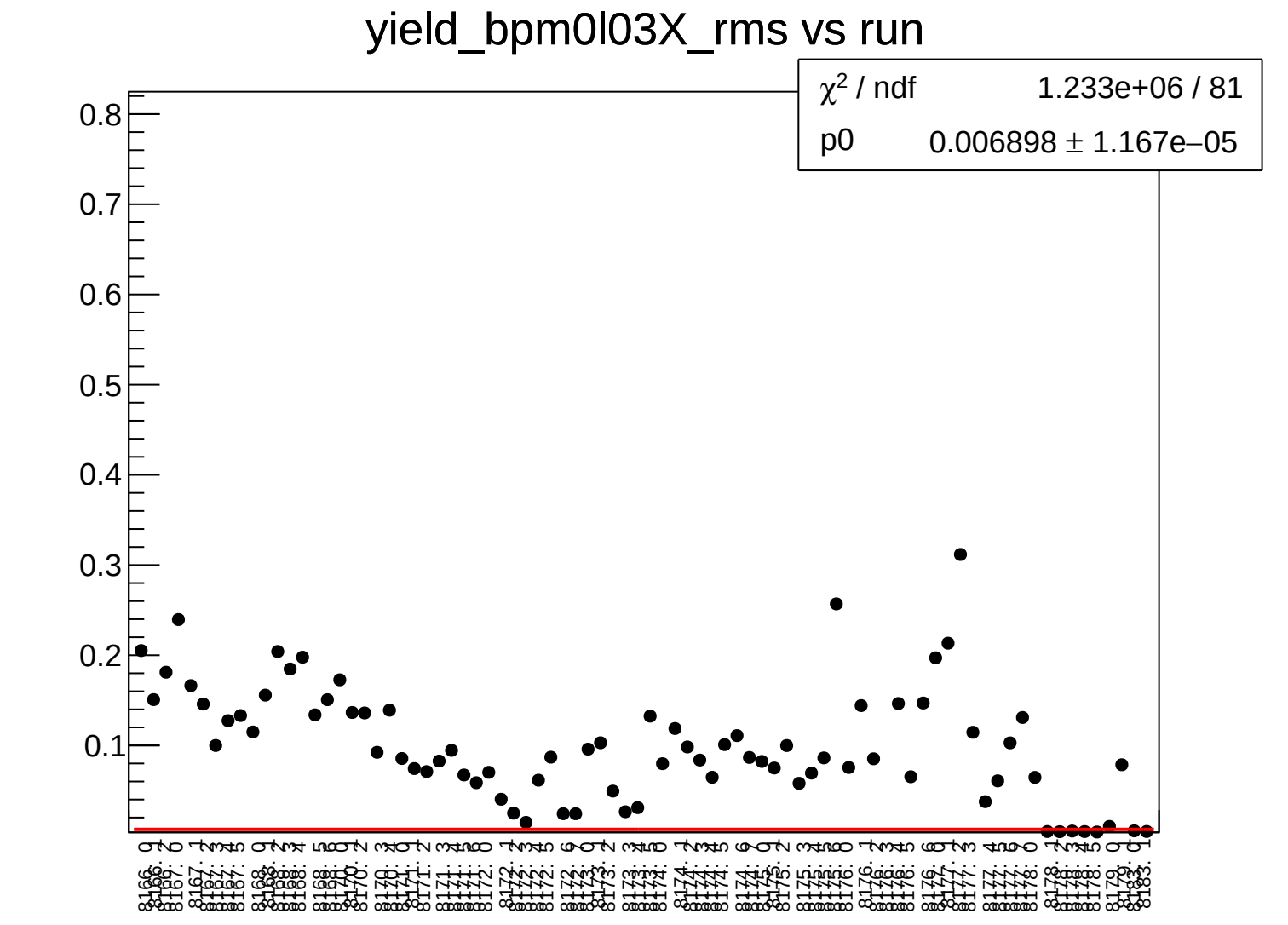

yield_bpm0l02X_rms vs run
χ² / ndf 2.409e+04 / 81
p0 0.02008 ± 1.608e−05
0.06
0.05
0.04
0.03
0.02

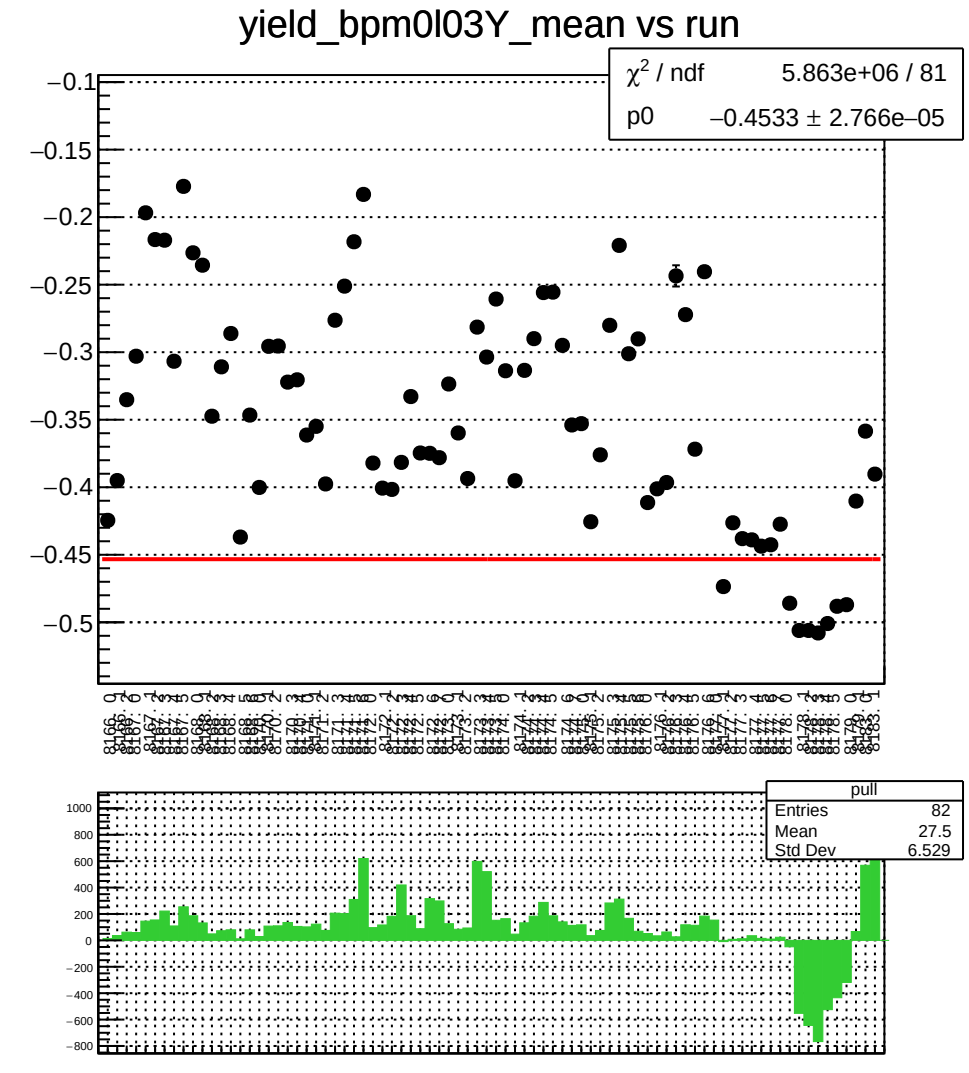

yield_bpm0l02Y_mean vs run
χ² / ndf 1.053e+07 / 81
p0 −0.837 ± 1.477e−05
pull
Entries 82
Mean −277.8
Std Dev 0

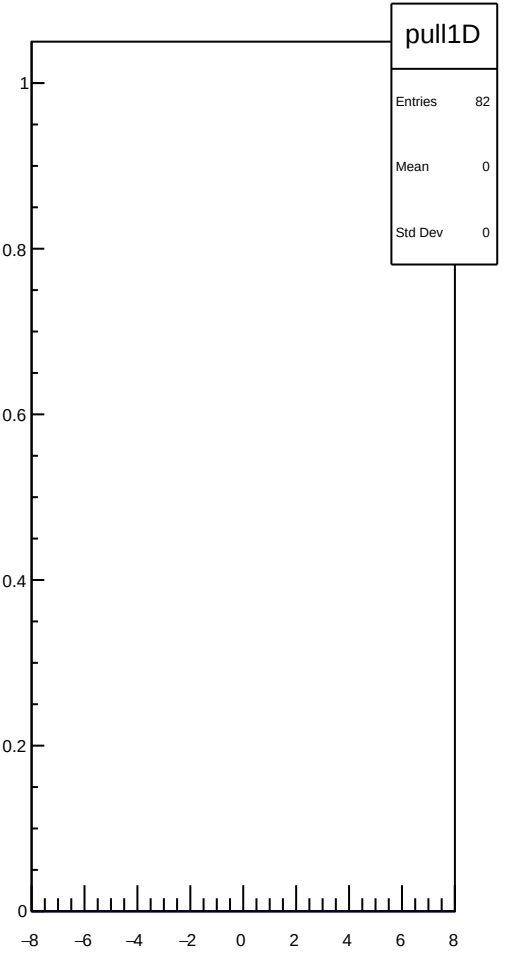

pull1D
Entries 82
Mean 0.6061
Std Dev 4.973

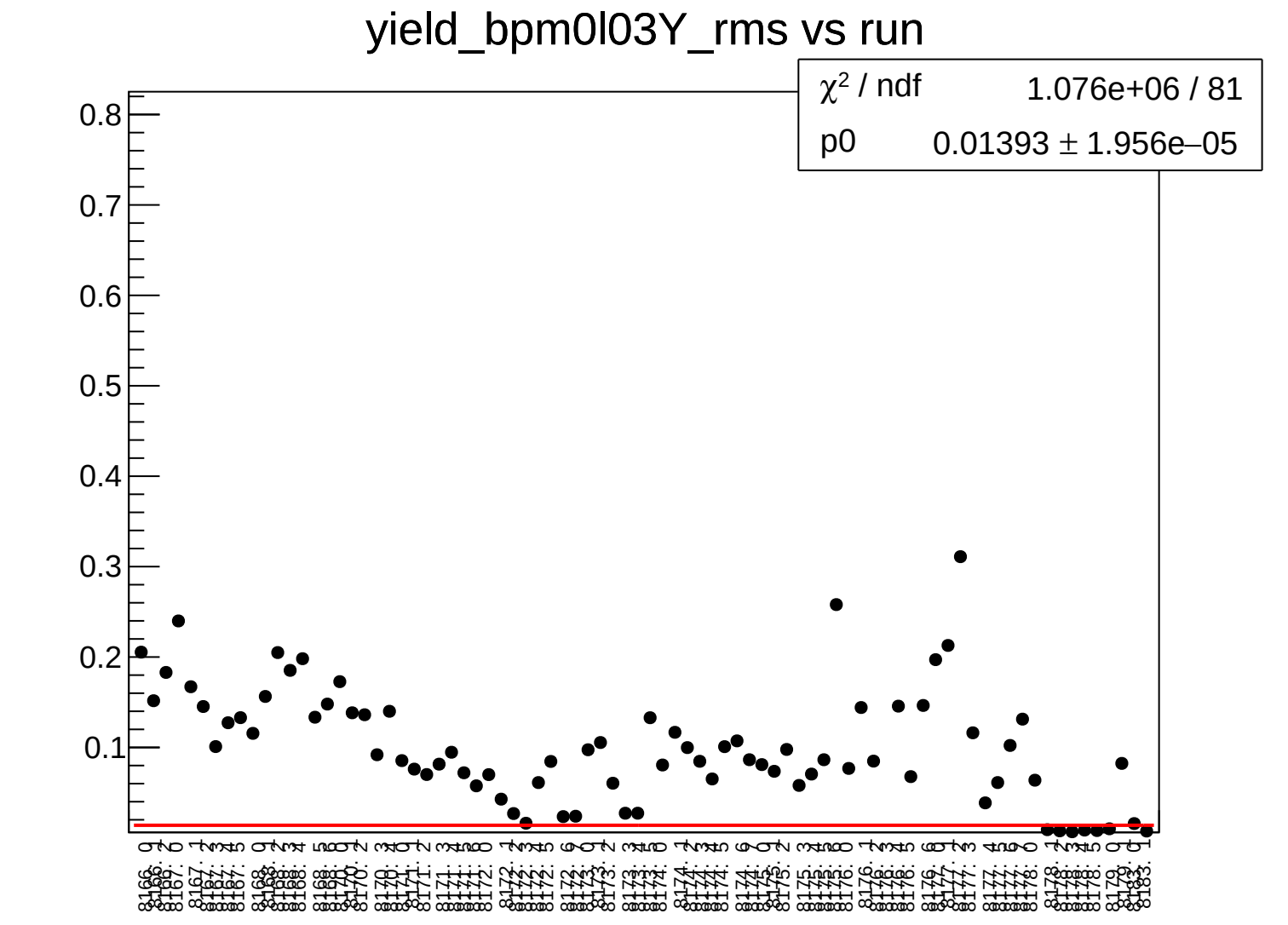

yield_bpm0l02Y_rms vs run
χ² / ndf 2.855e+04 / 81
p0 0.01302 ± 1.044e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

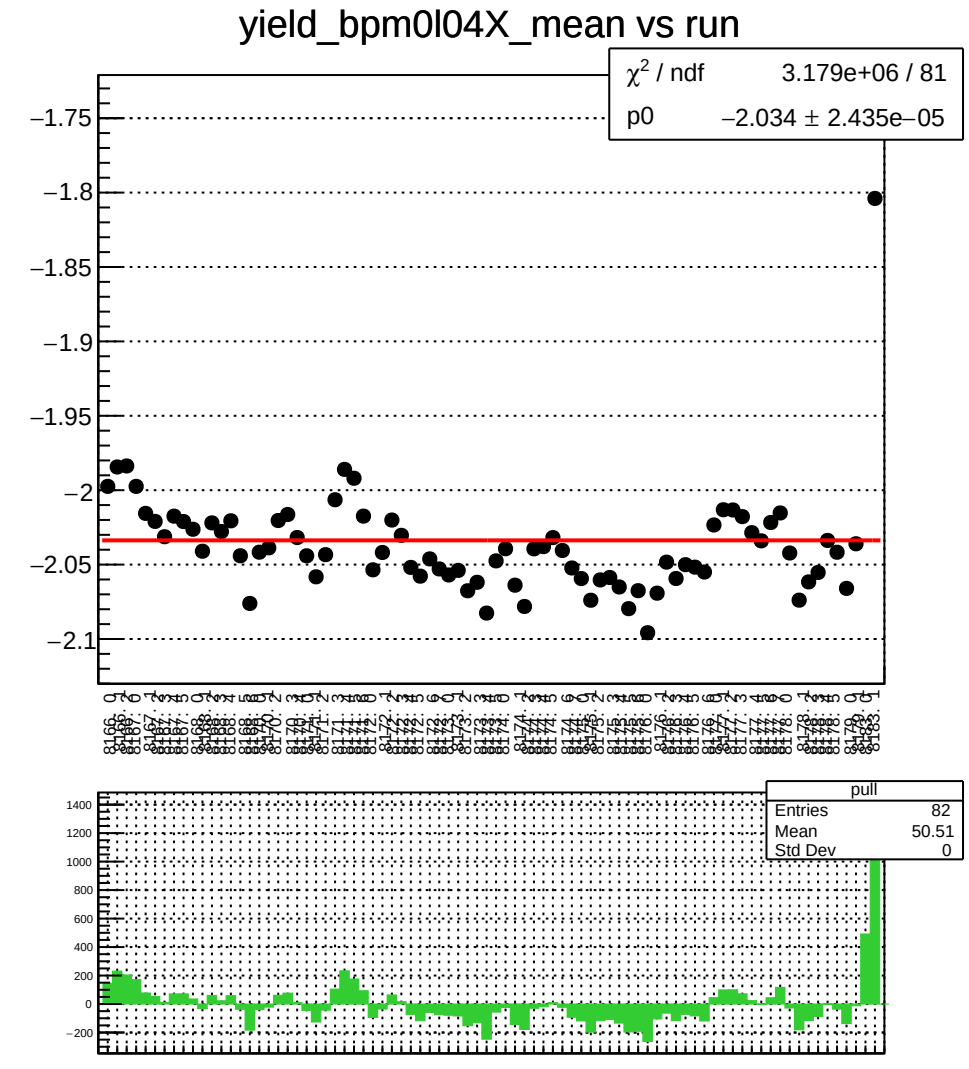

yield_bpm0l03X_mean vs run
χ² / ndf 3.516e+06 / 81
p0 −3.163 ± 1.65e−05
−2.8
−2.85
−2.9
−2.95
−3
−3.05
−3.1
−3.15
−3.2
pull
Entries 82
Mean 32.23
Std Dev 13.54
600
400
200
0
−200
pull1D
Entries 82
Mean −5.523
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

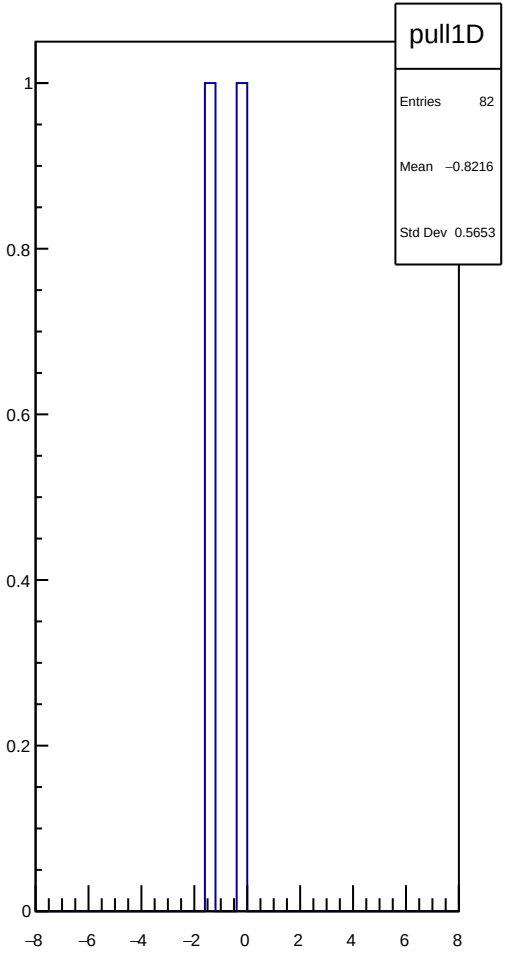

yield_bpm0l03X_rms vs run
χ^2 / ndf 1.233e+06 / 81
p0 0.006898 ± 1.167e−05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

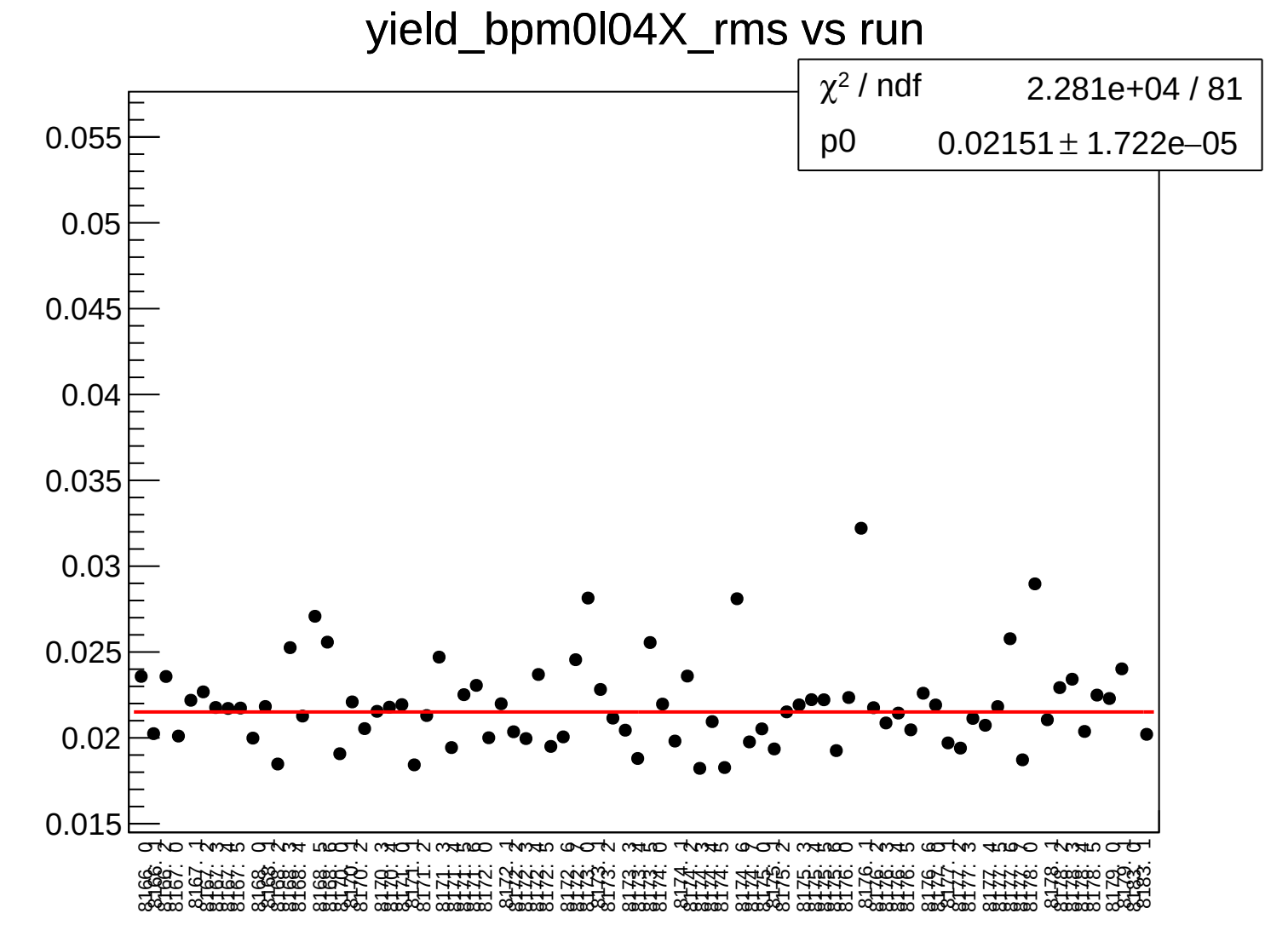

yield_bpm0l03Y_mean vs run
χ² / ndf 5.863e+06 / 81
p0 −0.4533 ± 2.766e−05
pull
Entries 82
Mean 27.5
Std Dev 6.529

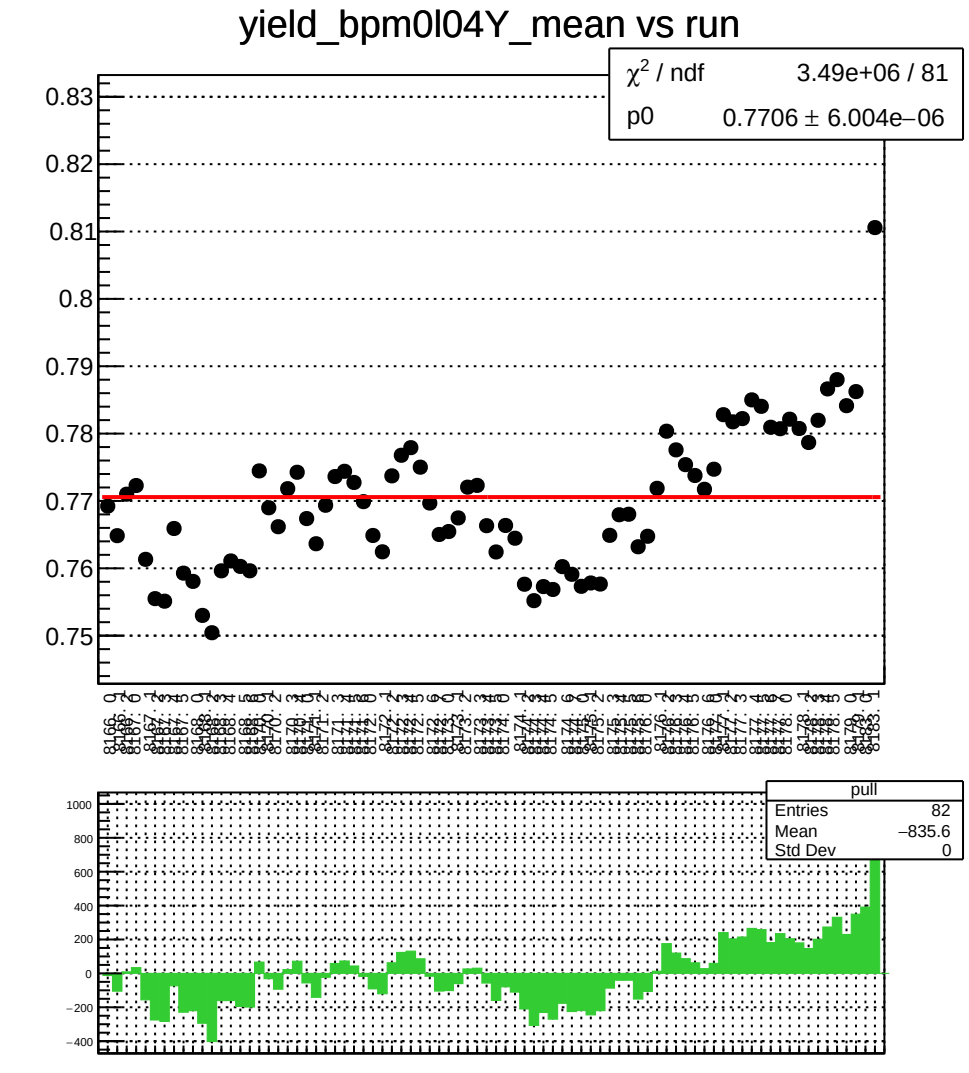

pull1D
Entries 82
Mean 0
Std Dev 0

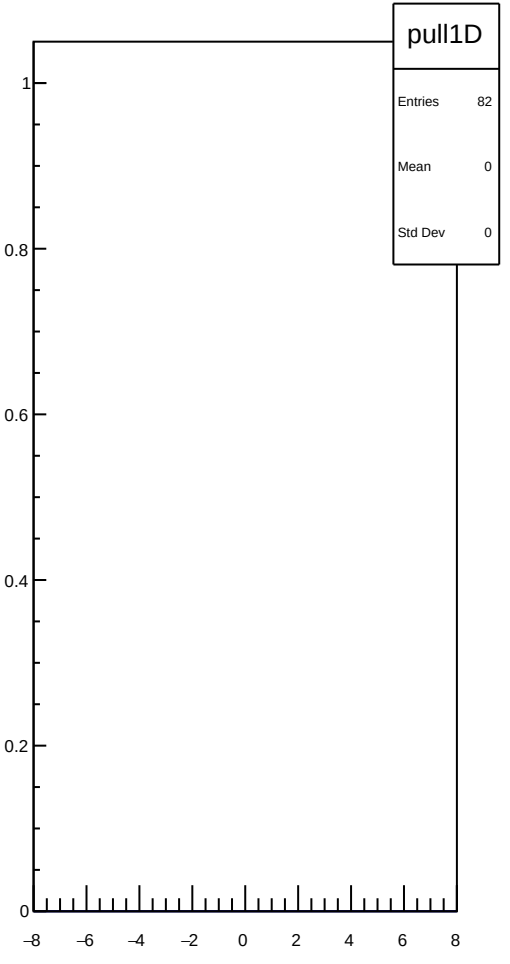

yield_bpm0l03Y_rms vs run
χ² / ndf 1.076e+06 / 81
p0 0.01393 ± 1.956e−05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

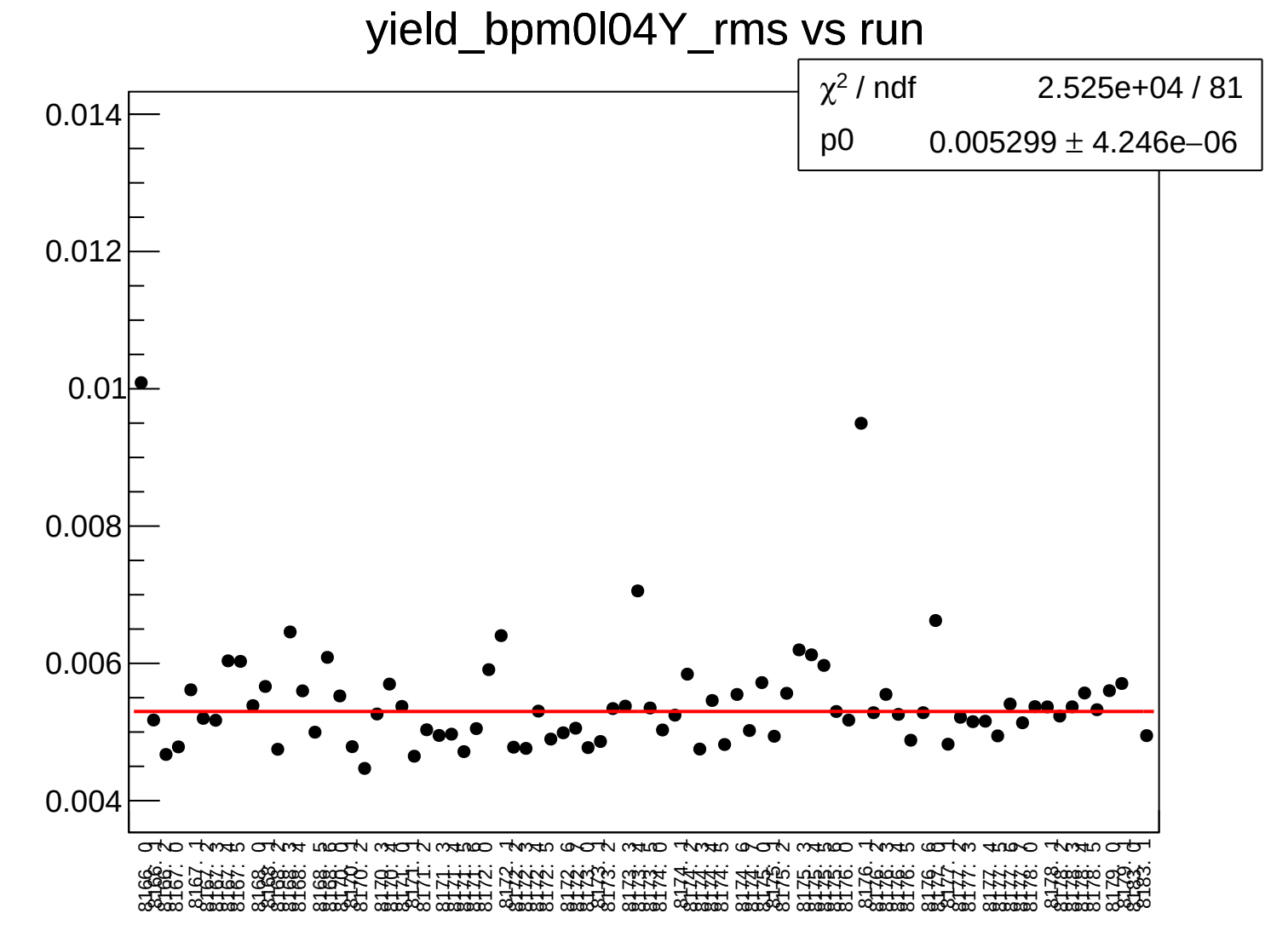

yield_bpm0l04X_mean vs run
χ² / ndf 3.179e+06 / 81
p0 −2.034 ± 2.435e−05
−1.75
−1.8
−1.85
−1.9
−1.95
−2
−2.05
−2.1
pull
Entries 82
Mean 50.51
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200

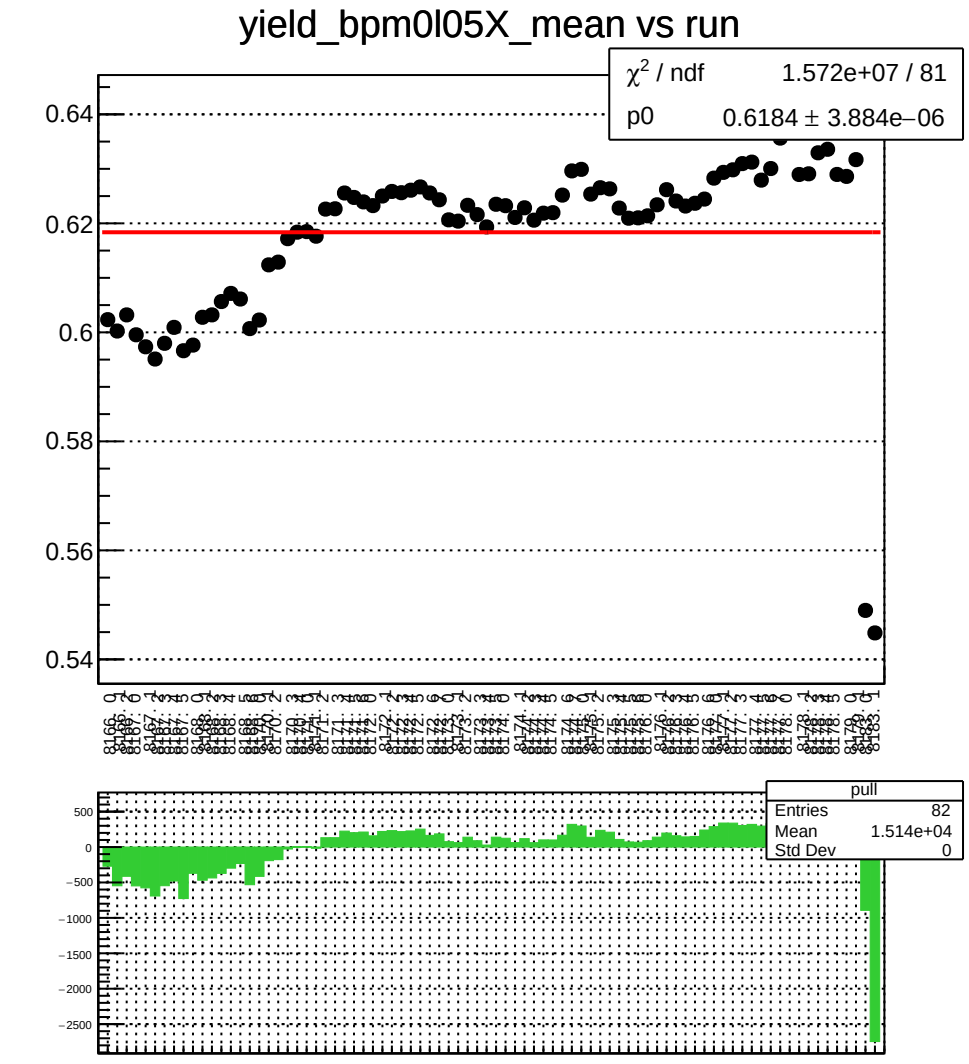

pull1D
Entries 82
Mean −0.8216
Std Dev 0.5653
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

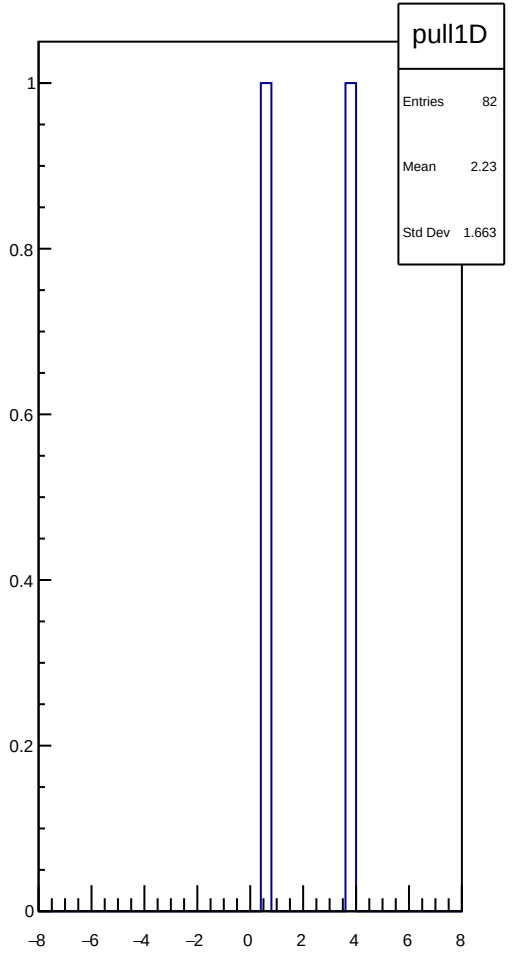

yield_bpm0l04X_rms vs run
χ² / ndf 2.281e+04 / 81
p0 0.02151 ± 1.722e–05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015

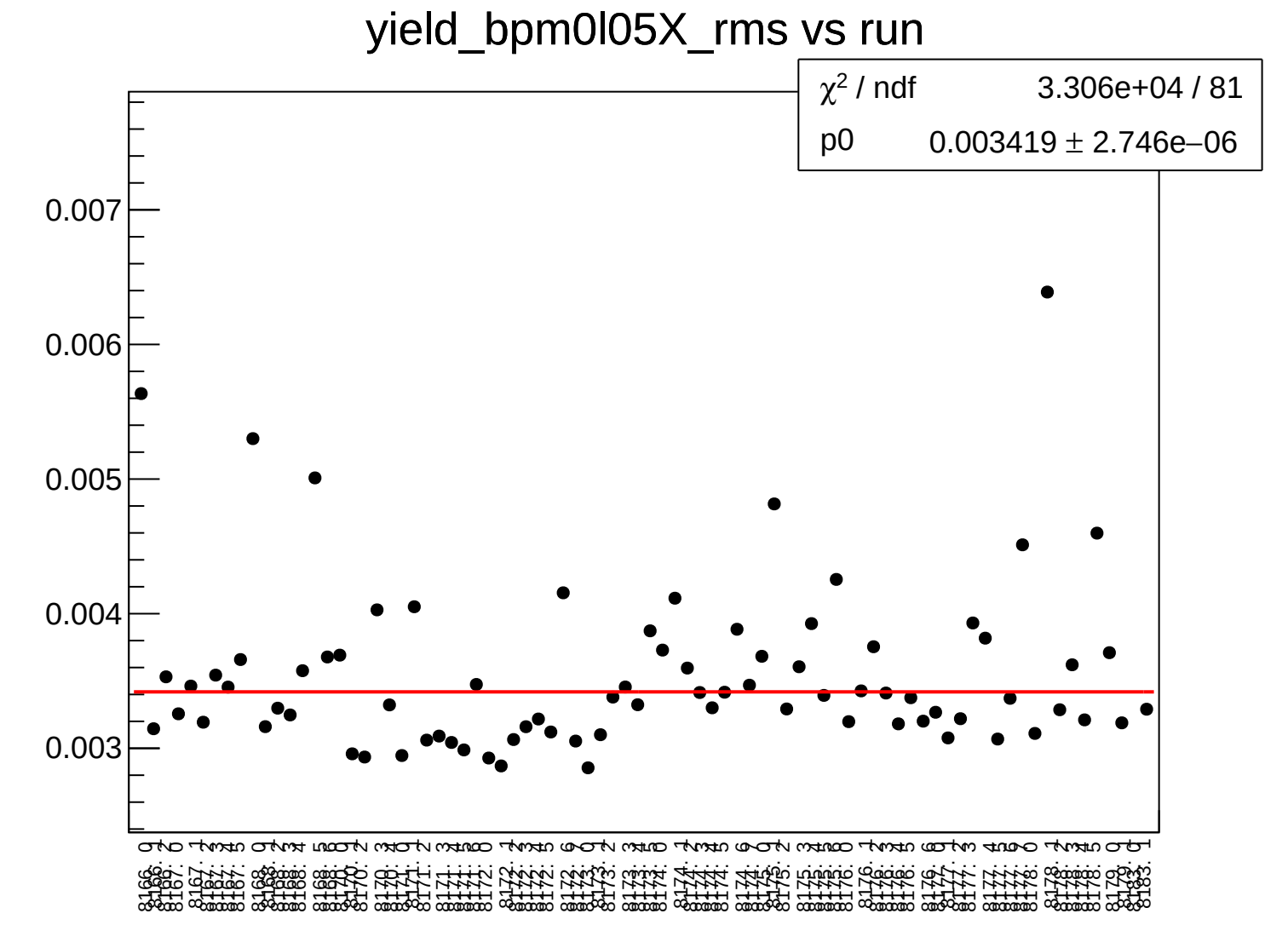

yield_bpm0l04Y_mean vs run
χ² / ndf 3.49e+06 / 81
p0 0.7706 ± 6.004e−06
0.83
0.82
0.81
0.8
0.79
0.78
0.77
0.76
0.75
pull
Entries 82
Mean −835.6
Std Dev 0
1000
800
600
400
200
0
−200
−400

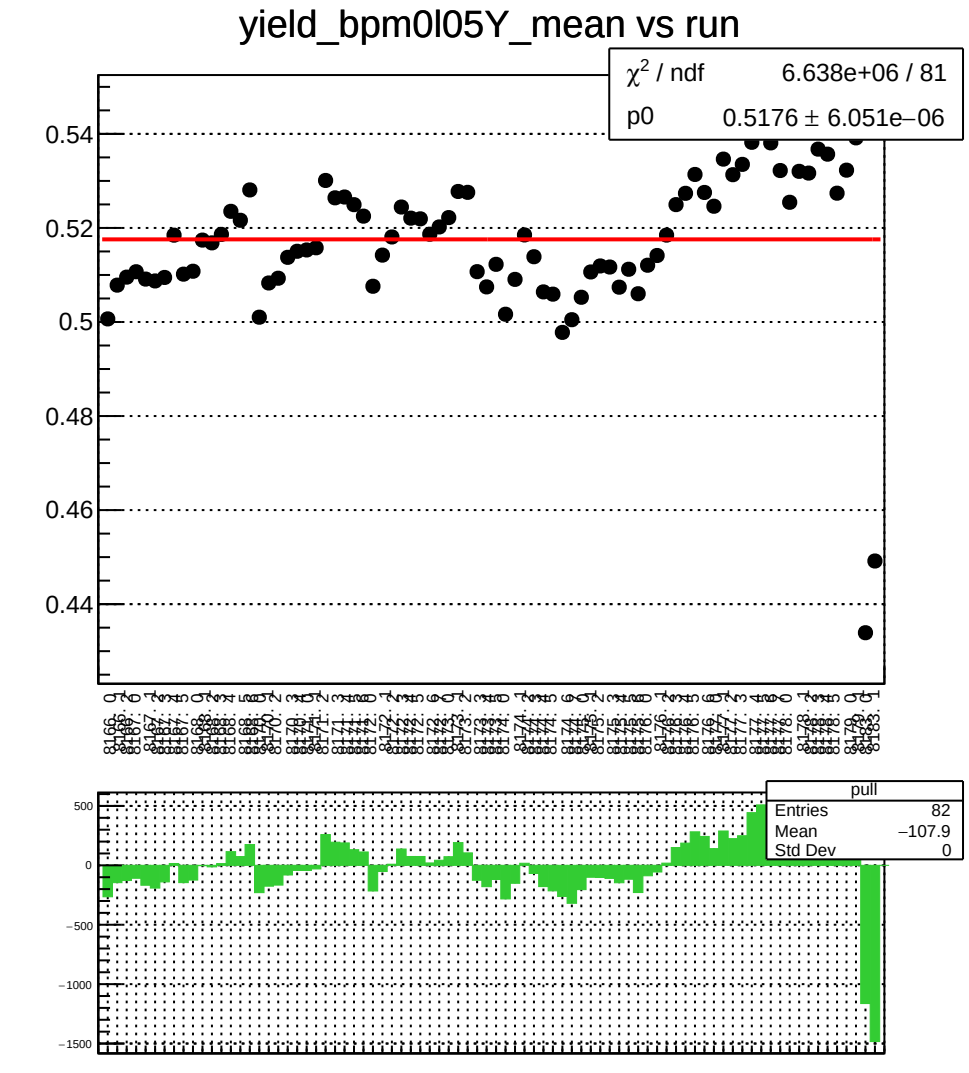

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

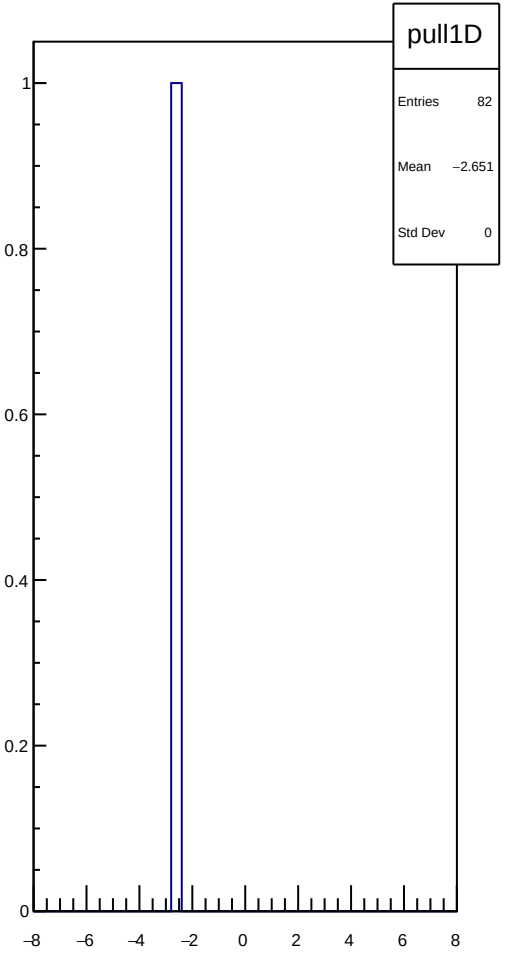

yield_bpm0l04Y_rms vs run
χ² / ndf 2.525e+04 / 81
p0 0.005299 ± 4.246e−06
0.014
0.012
0.01
0.008
0.006
0.004

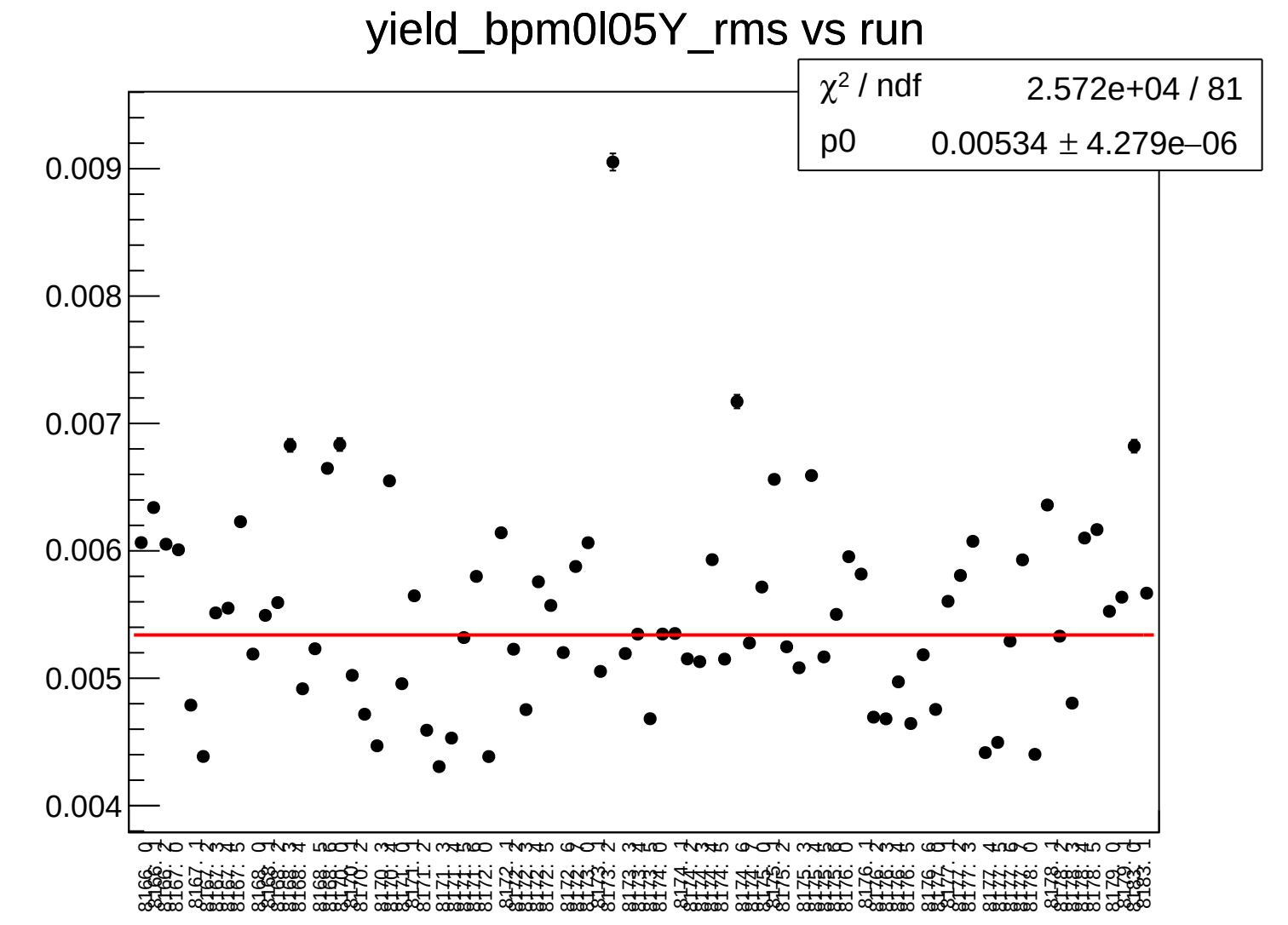

yield_bpm0l05X_mean vs run
χ² / ndf 1.572e+07 / 81
p0 0.6184 ± 3.884e−06
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 82
Mean 1.514e+04
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500

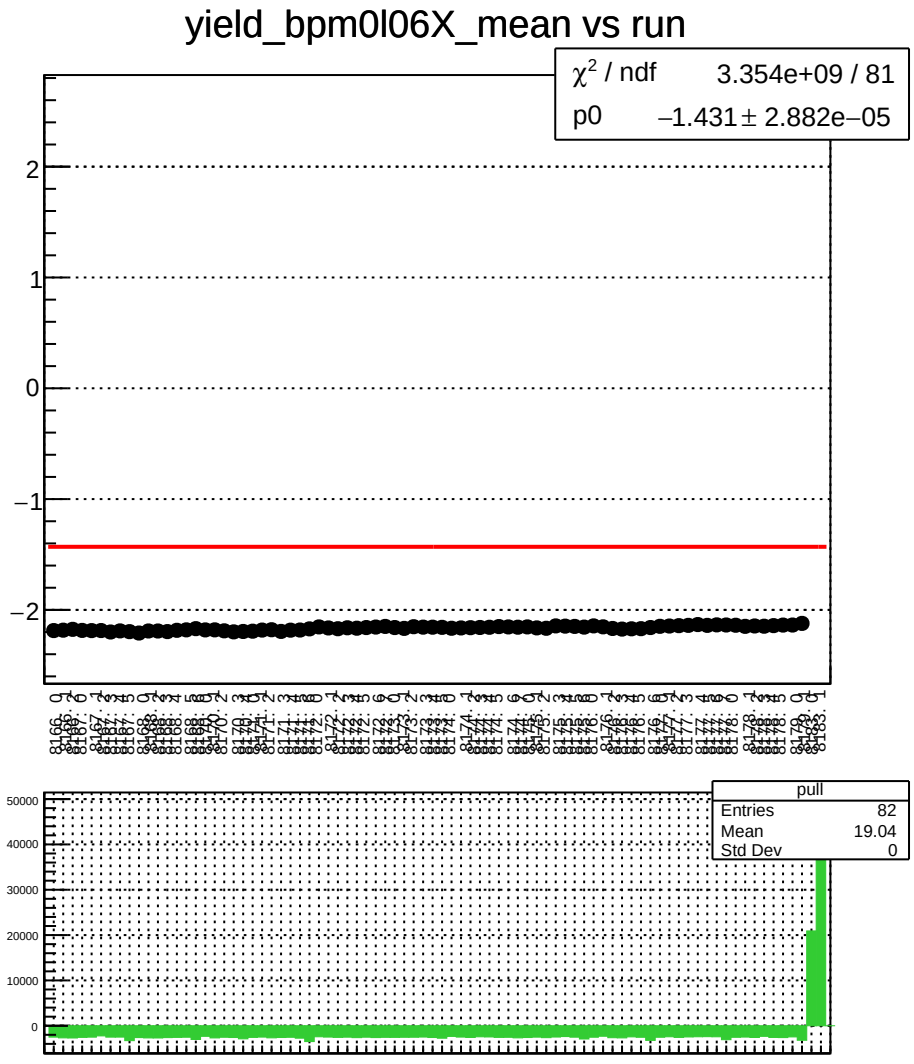

pull1D
Entries 82
Mean 2.23
Std Dev 1.663
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

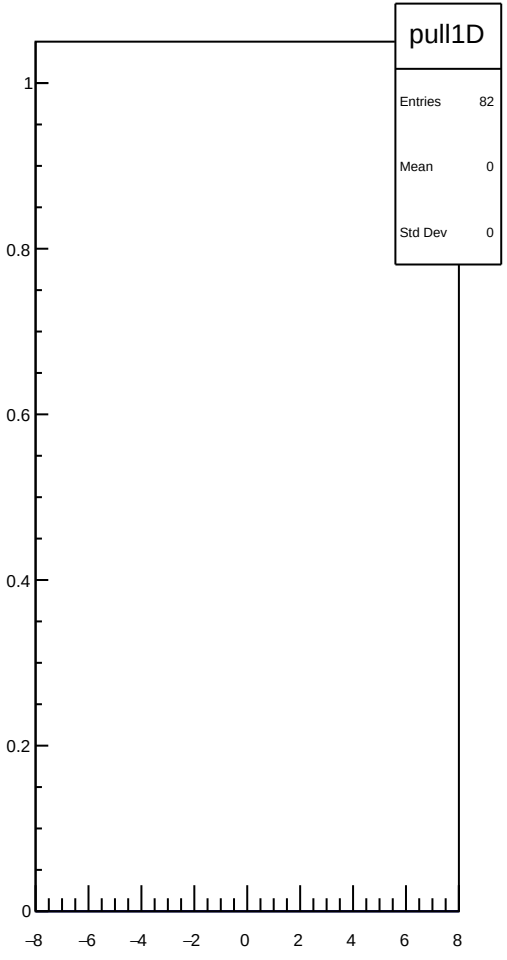

yield_bpm0l05X_rms vs run
χ² / ndf 3.306e+04 / 81
p0 0.003419 ± 2.746e−06
0.007
0.006
0.005
0.004
0.003

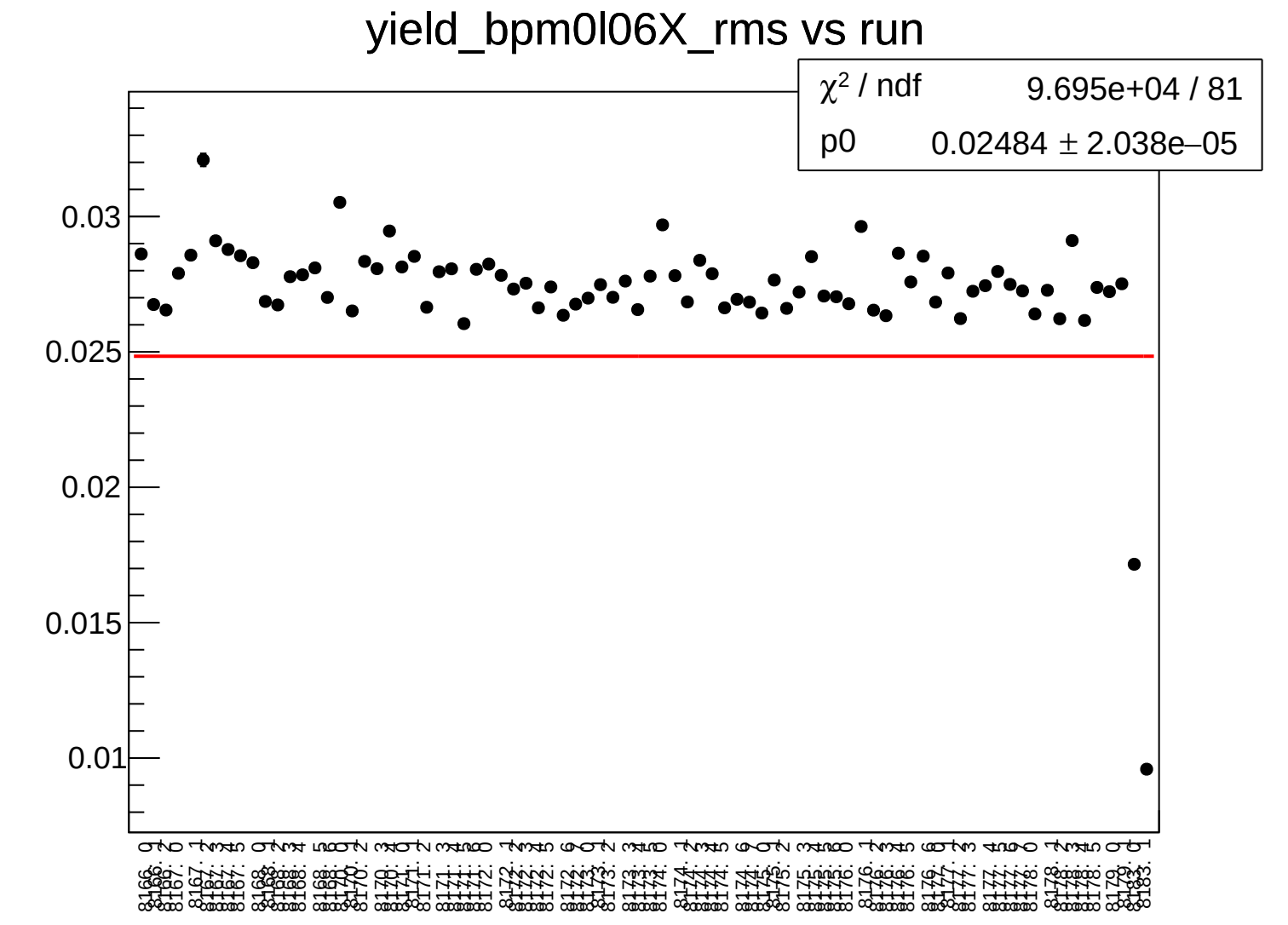

yield_bpm0l05Y_mean vs run
χ² / ndf 6.638e+06 / 81
p0 0.5176 ± 6.051e−06
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 82
Mean −107.9
Std Dev 0
500
0
−500
−1000
−1500

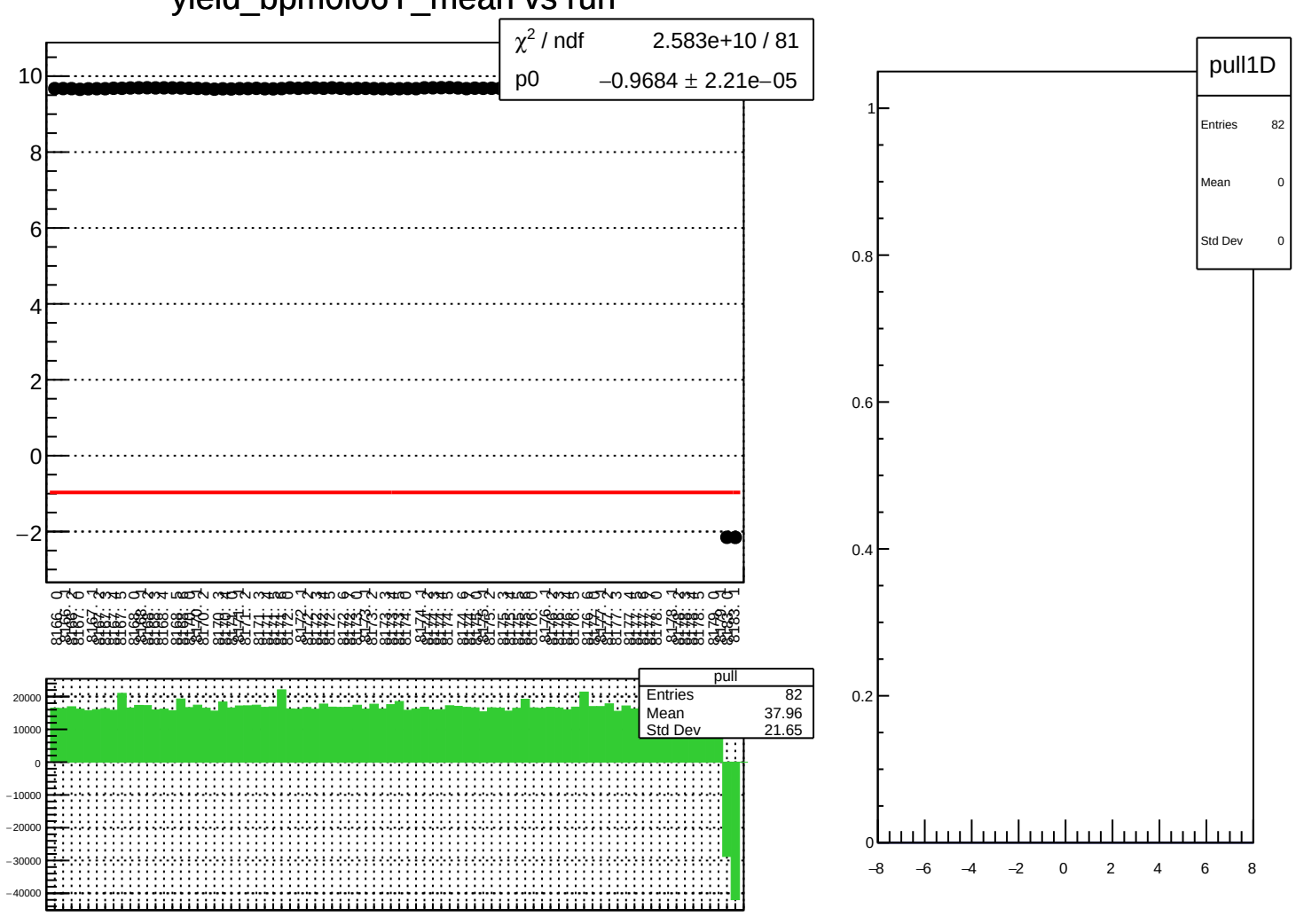

pull1D
Entries 82
Mean −2.651
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

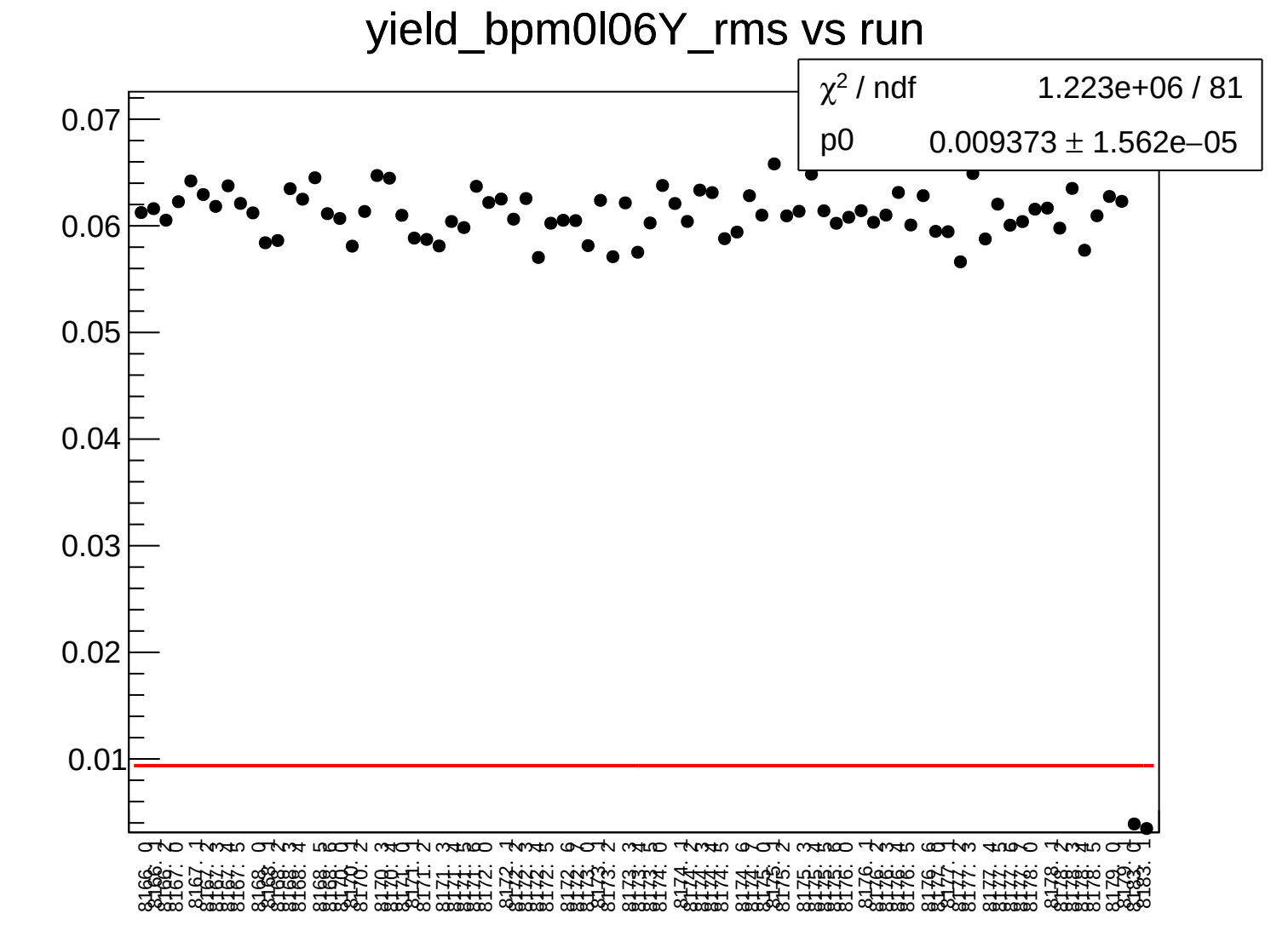

yield_bpm0l05Y_rms vs run
χ² / ndf 2.572e+04 / 81
p0 0.00534 ± 4.279e–06
0.009
0.008
0.007
0.006
0.005
0.004

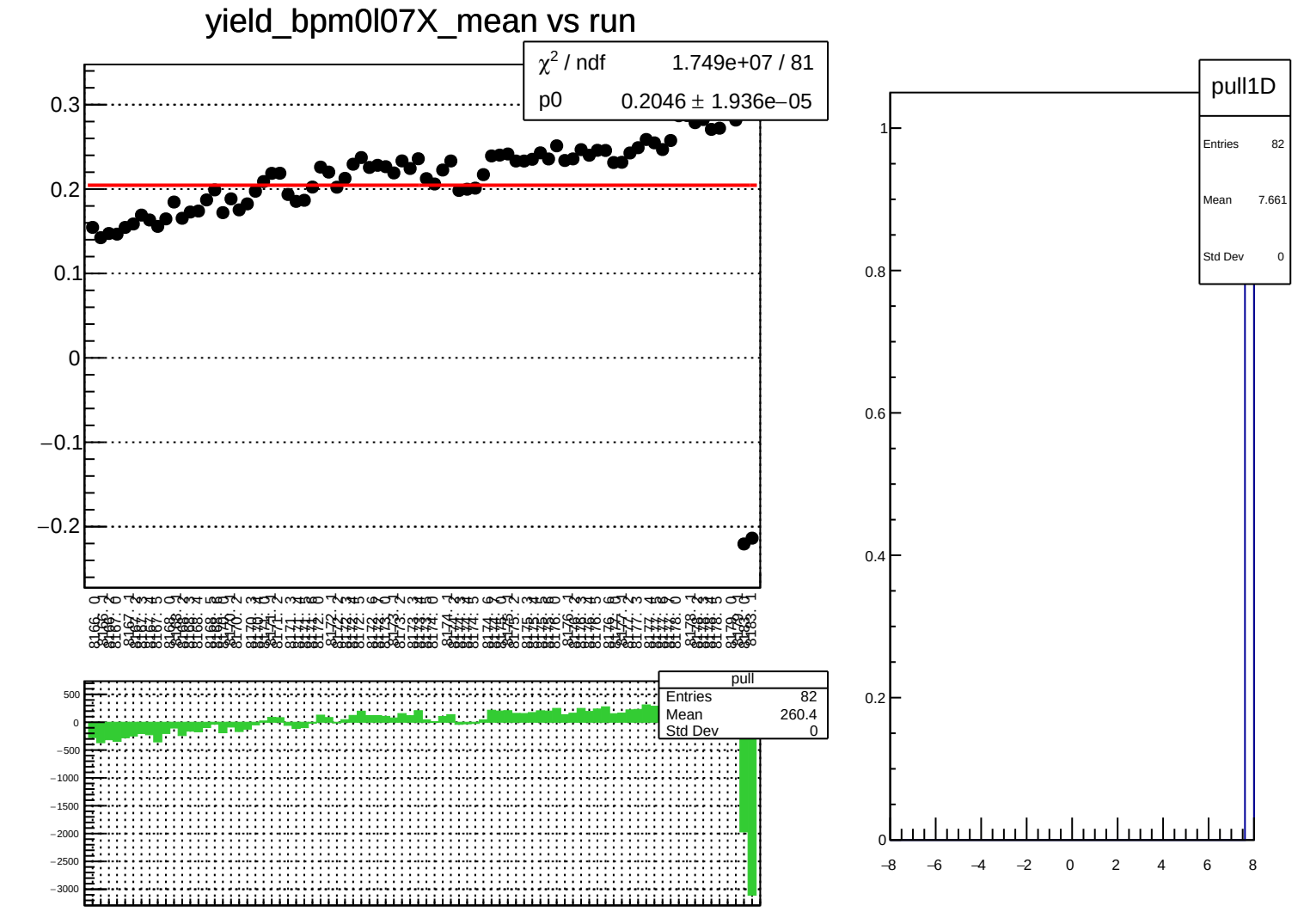

yield_bpm0l06X_mean vs run
χ² / ndf 3.354e+09 / 81
p0 −1.431 ± 2.882e−05
pull
Entries 82
Mean 19.04
Std Dev 0

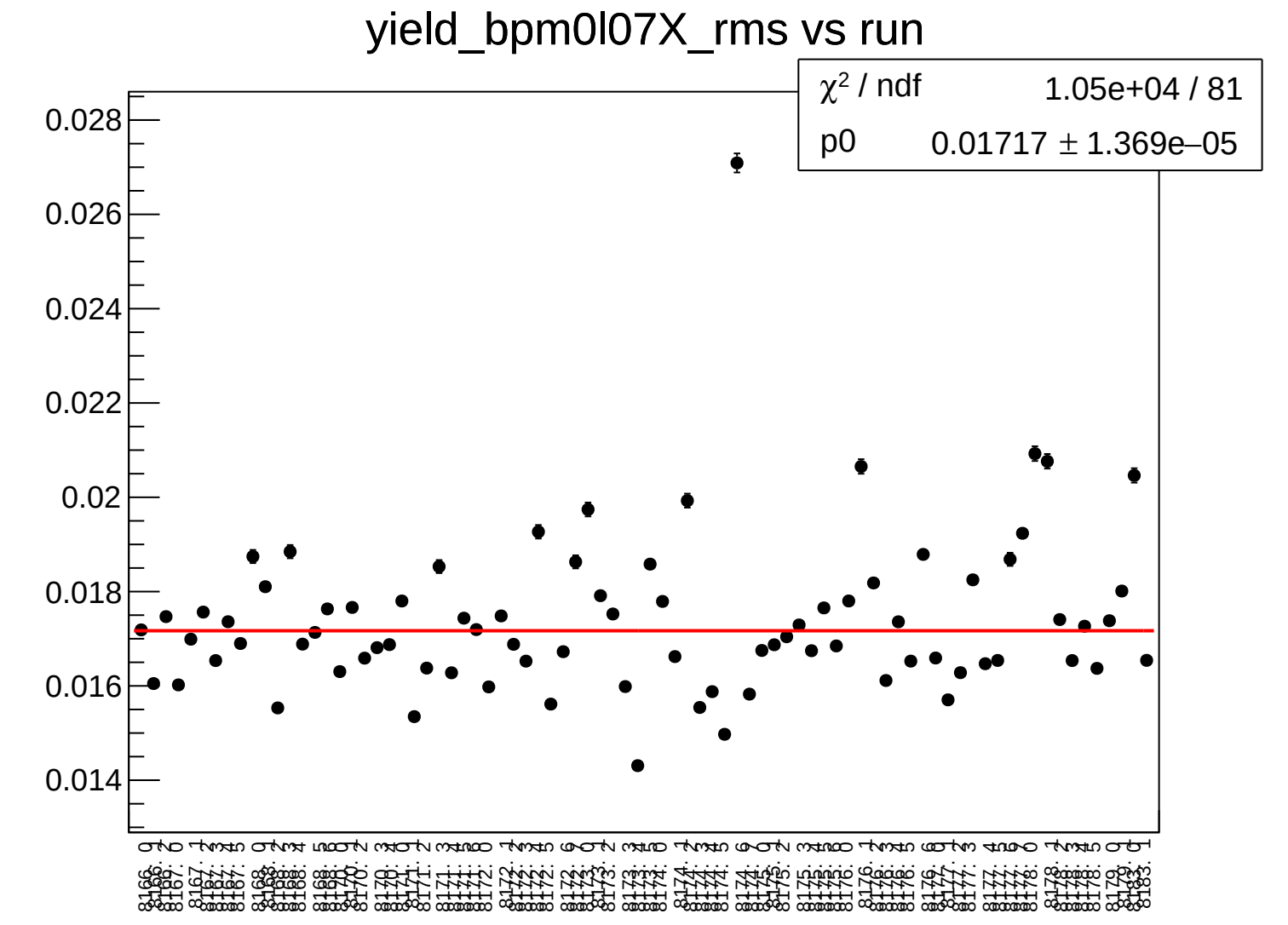

pull1D
Entries 82
Mean 0
Std Dev 0

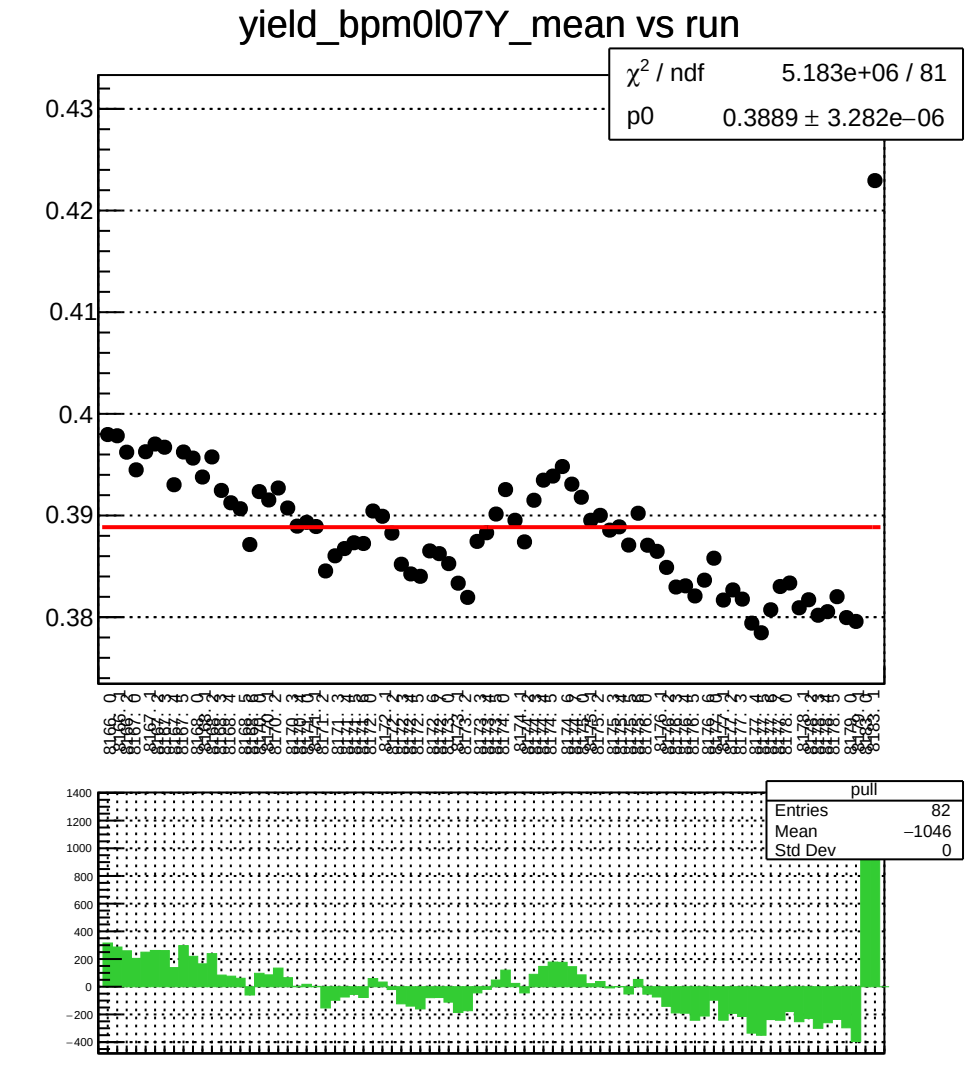

yield_bpm0l06X_rms vs run
χ² / ndf 9.695e+04 / 81
p0 0.02484 ± 2.038e−05
0.03
0.025
0.02
0.015
0.01

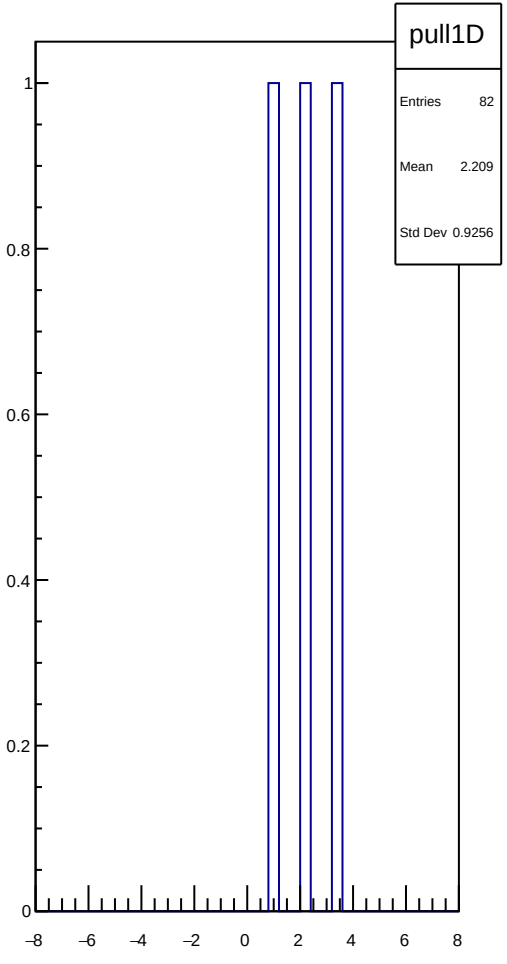

yield_bpm0l06Y_mean vs run
χ² / ndf 2.583e+10 / 81
p0 −0.9684 ± 2.21e−05
pull
Entries 82
Mean 37.96
Std Dev 21.65
pull1D
Entries 82
Mean 0
Std Dev 0

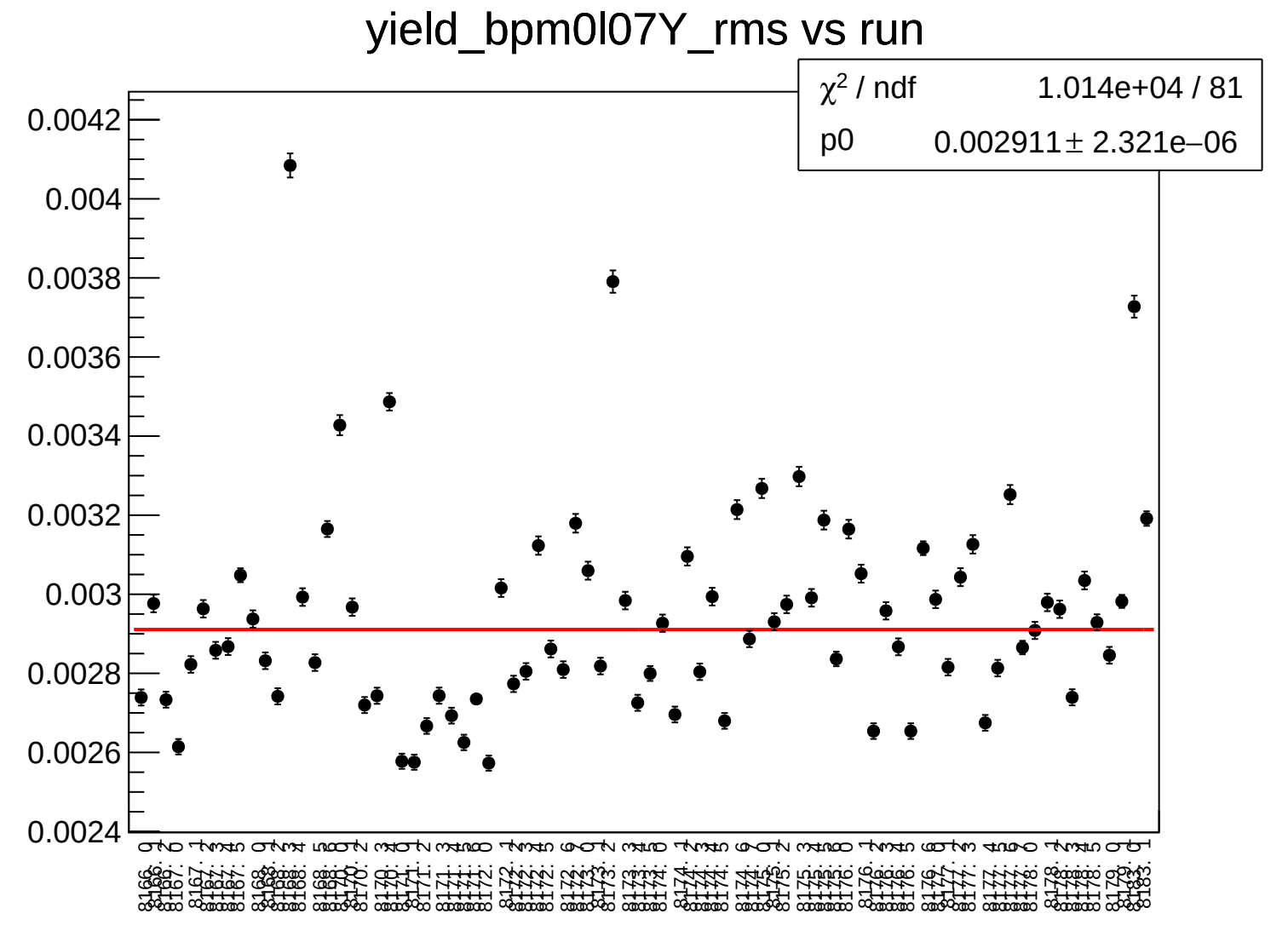

yield_bpm0l06Y_rms vs run
χ² / ndf 1.223e+06 / 81
p0 0.009373 ± 1.562e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

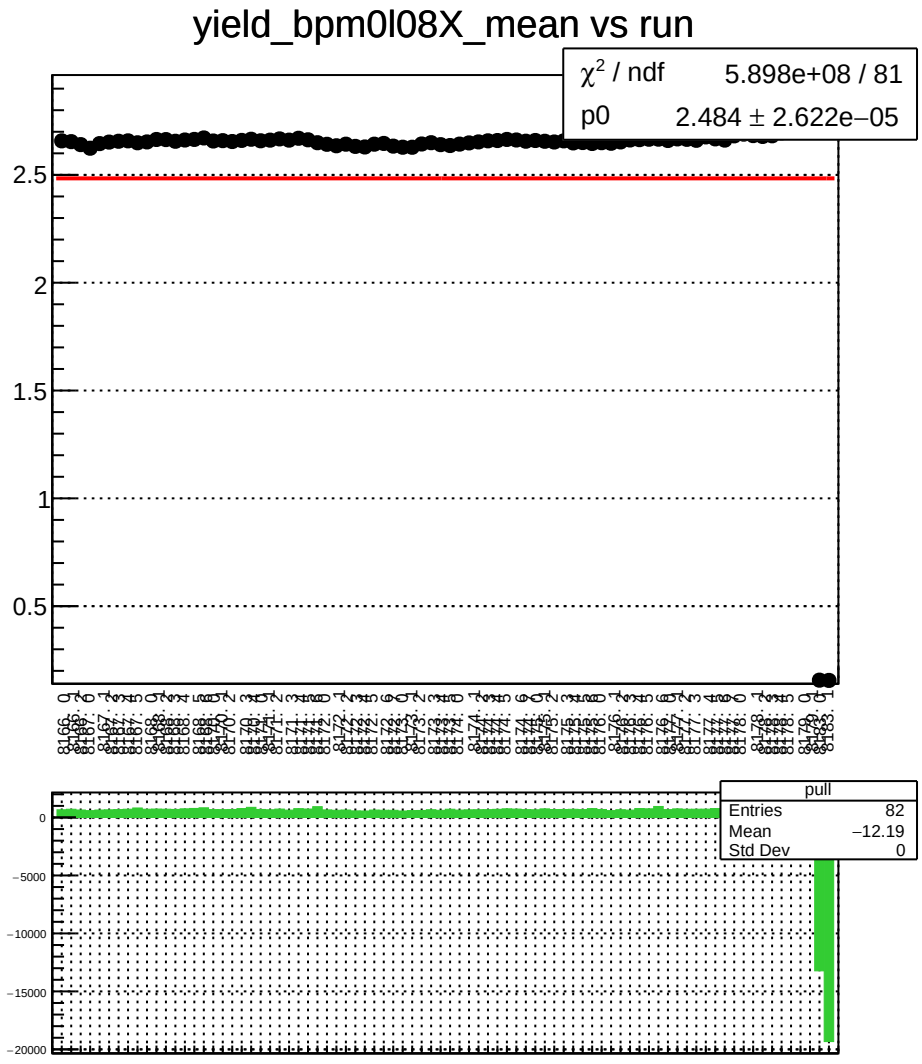

yield_bpm0l07X_mean vs run
χ² / ndf 1.749e+07 / 81
p0 0.2046 ± 1.936e−05
pull
Entries 82
Mean 260.4
Std Dev 0
pull1D
Entries 82
Mean 7.661
Std Dev 0

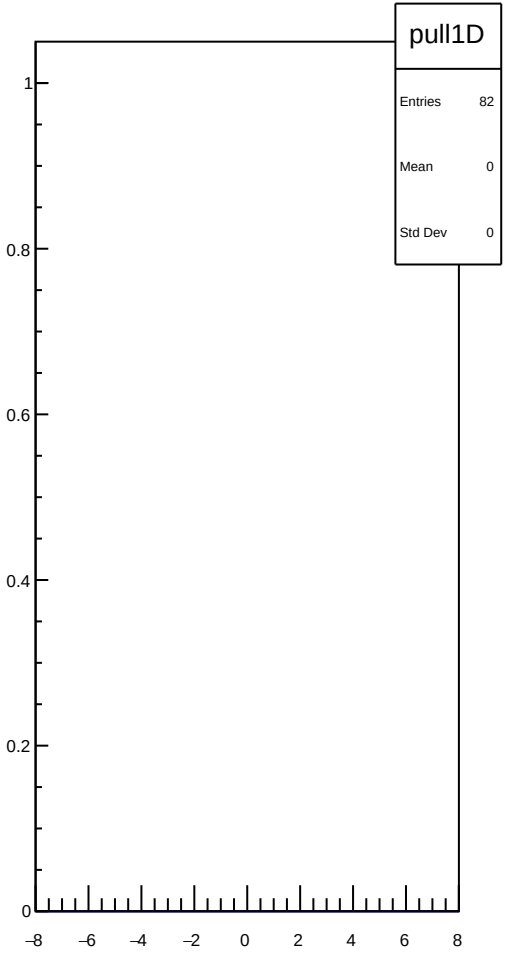

yield_bpm0l07X_rms vs run
χ² / ndf 1.05e+04 / 81
p0 0.01717 ± 1.369e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

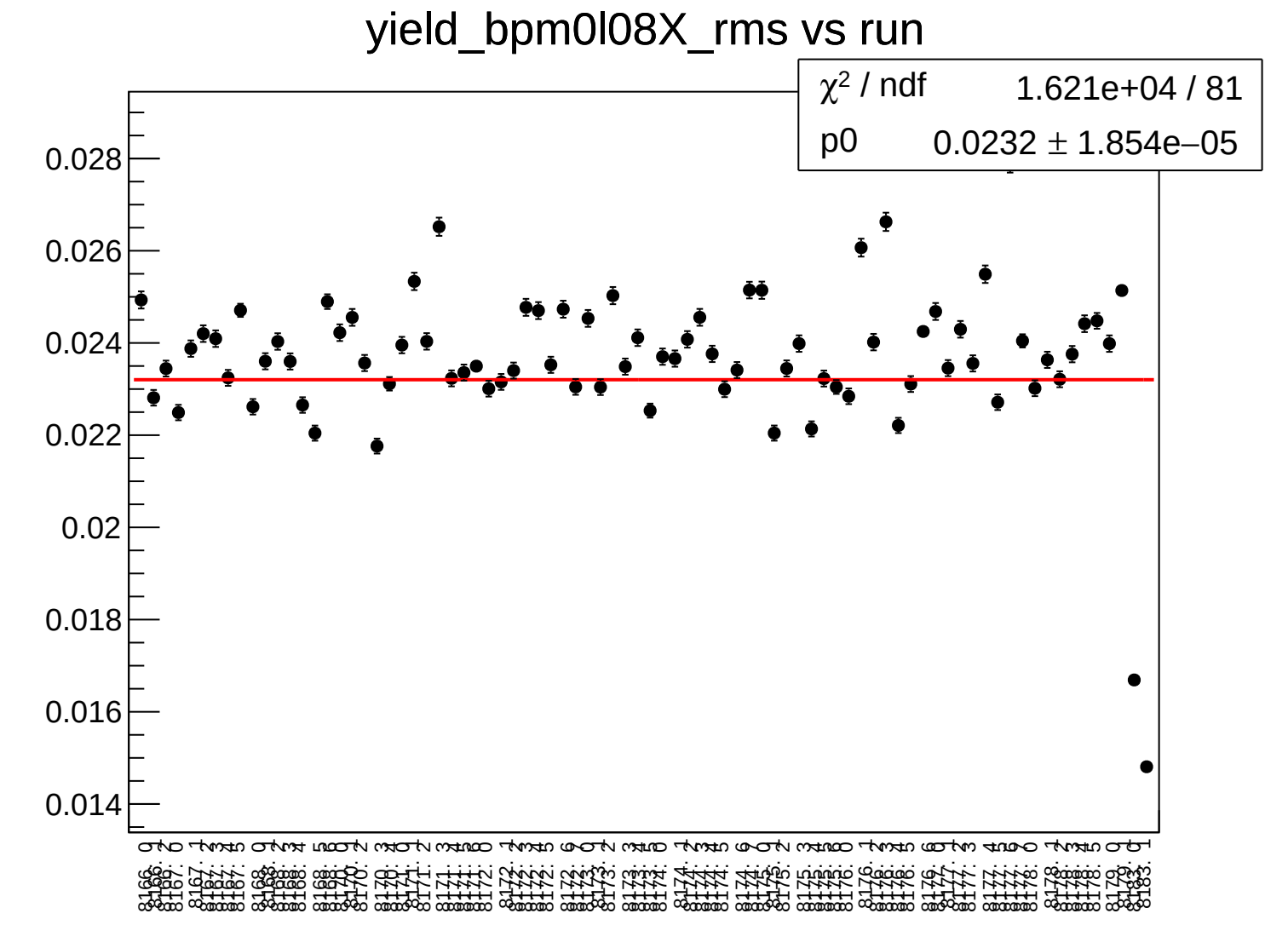

yield_bpm0l07Y_mean vs run
χ² / ndf 5.183e+06 / 81
p0 0.3889 ± 3.282e−06
0.43
0.42
0.41
0.4
0.39
0.38
pull
Entries 82
Mean −1046
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200
−400

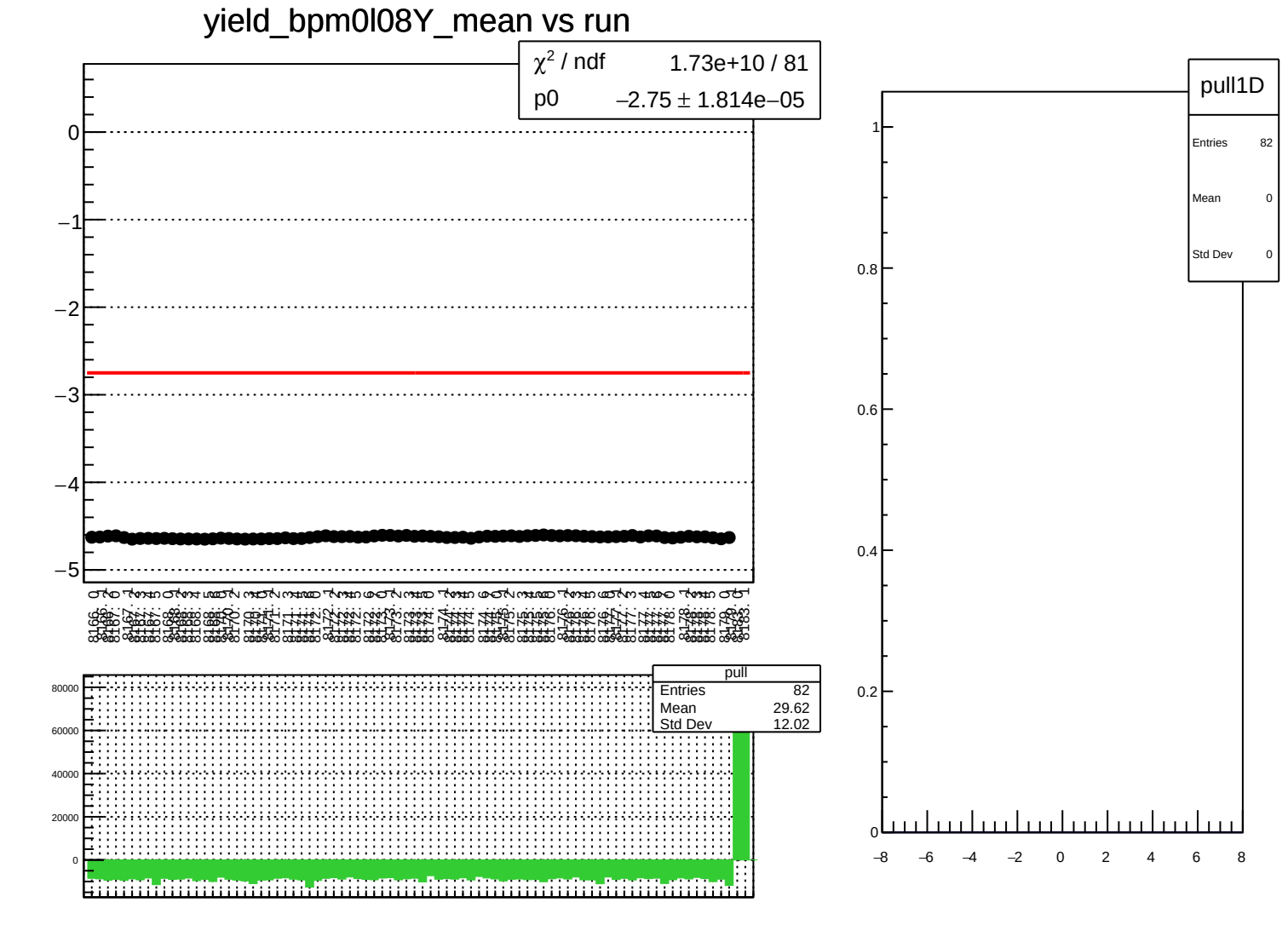

pull1D
Entries 82
Mean 2.209
Std Dev 0.9256
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

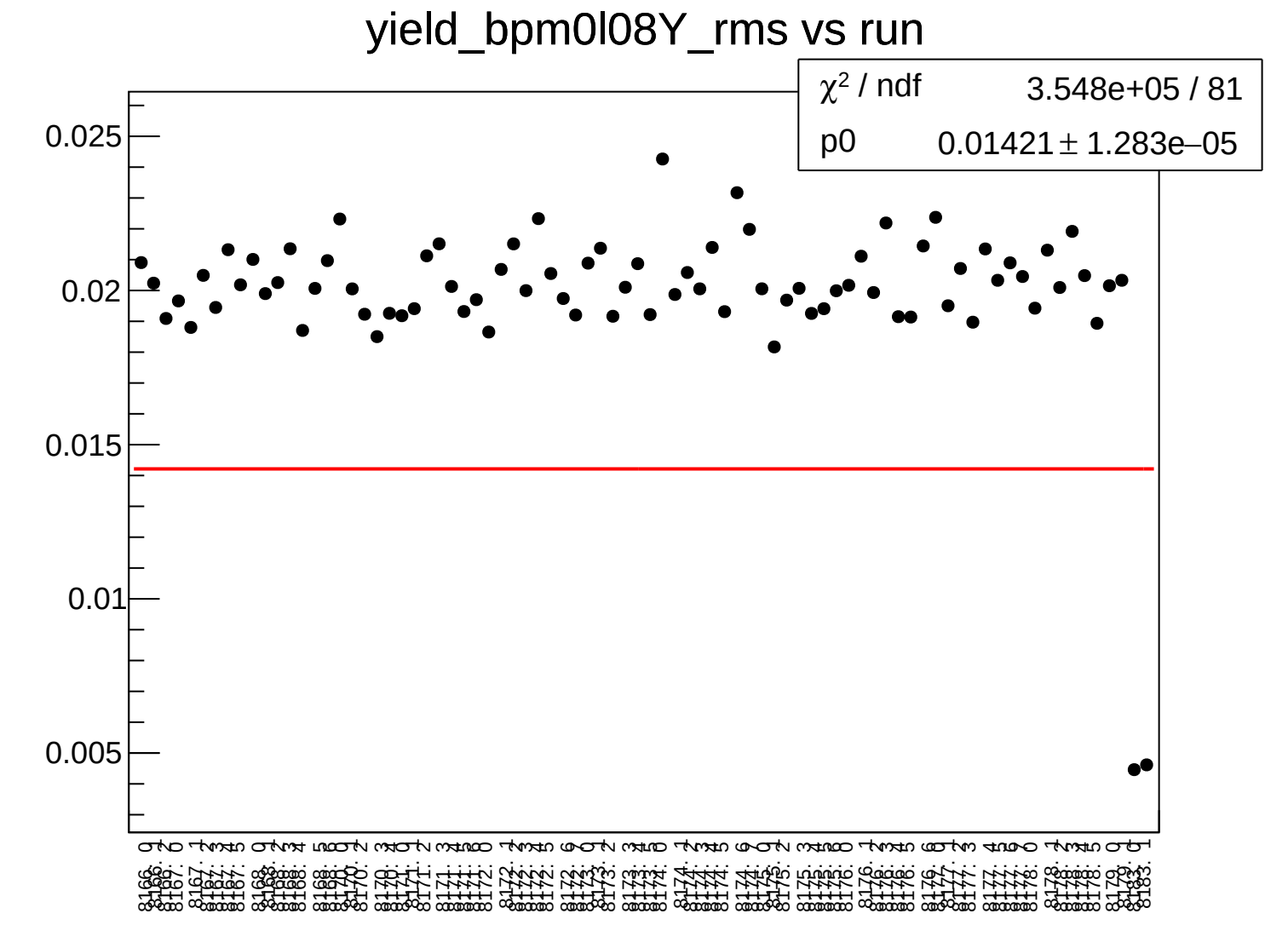

yield_bpm0l07Y_rms vs run
χ^2 / ndf 1.014e+04 / 81
p0 0.002911 ± 2.321e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024

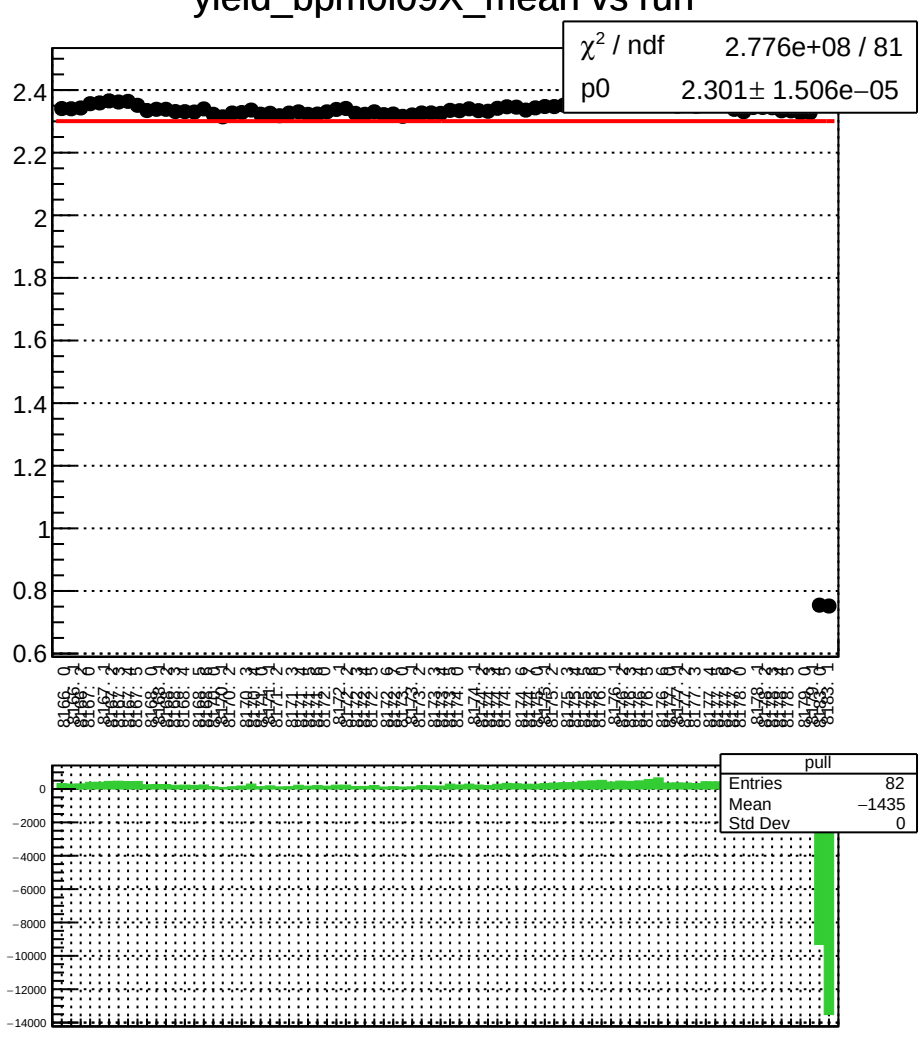

yield_bpm0l08X_mean vs run
χ² / ndf 5.898e+08 / 81
p0 2.484 ± 2.622e−05
pull
Entries 82
Mean −12.19
Std Dev 0

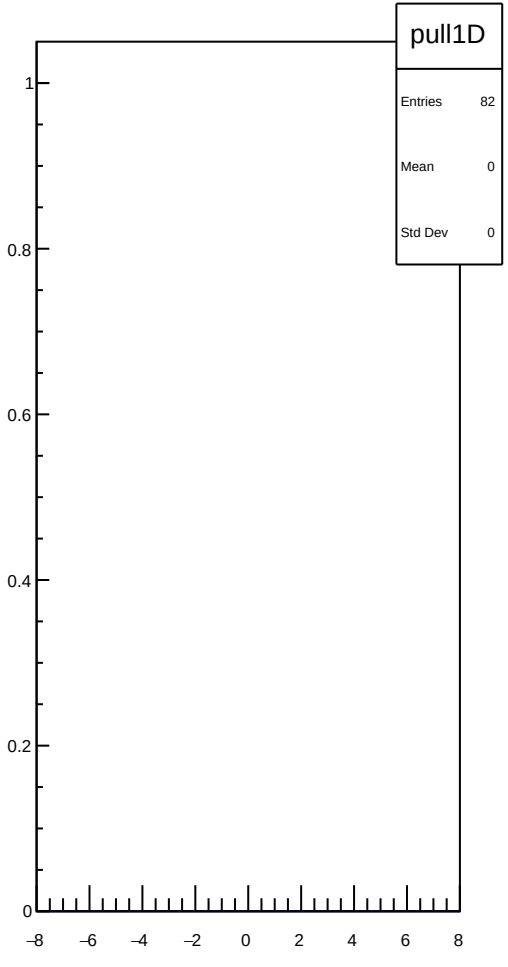

pull1D
Entries 82
Mean 0
Std Dev 0

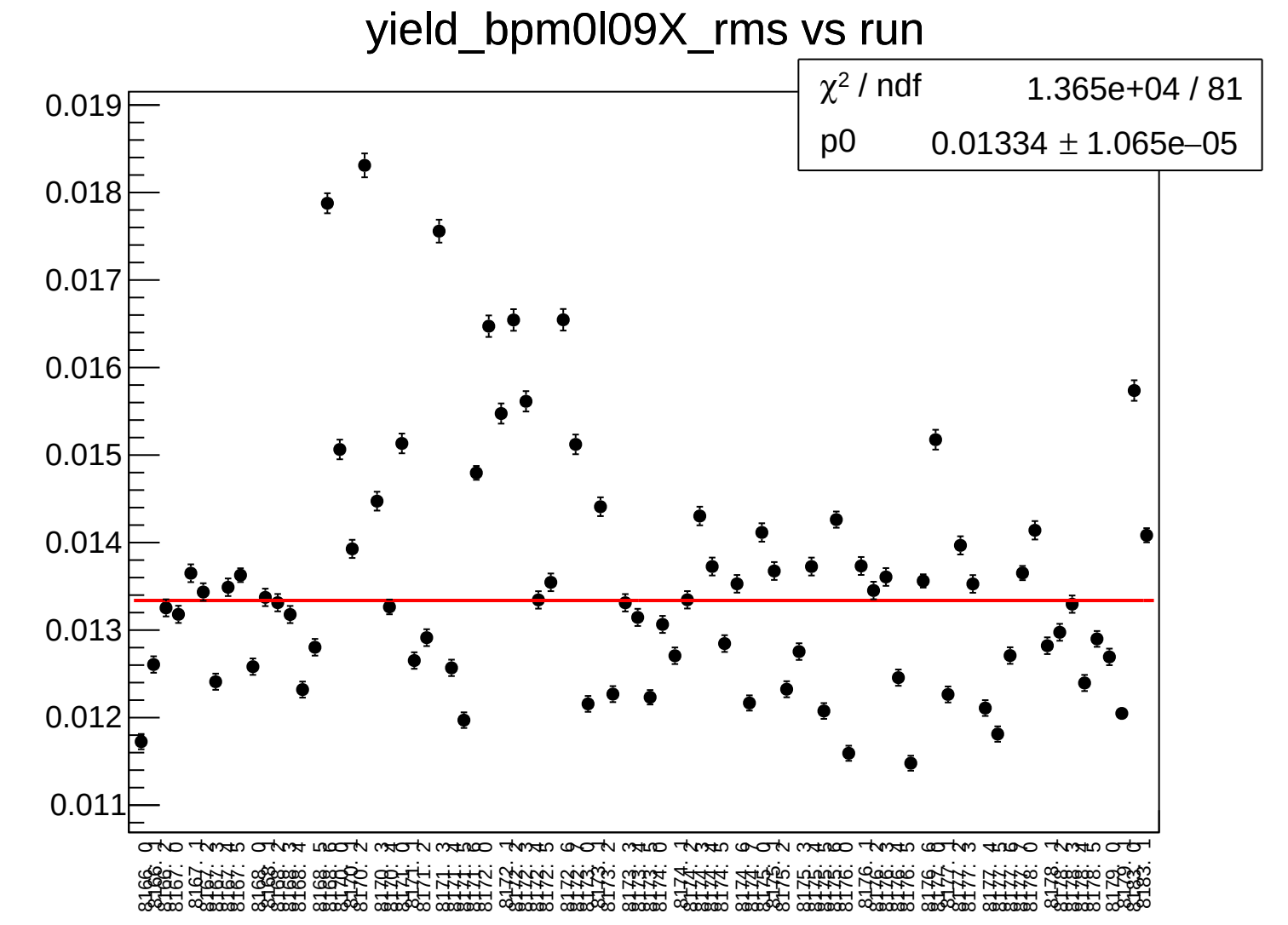

yield_bpm0l08X_rms vs run
χ² / ndf 1.621e+04 / 81
p0 0.0232 ± 1.854e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

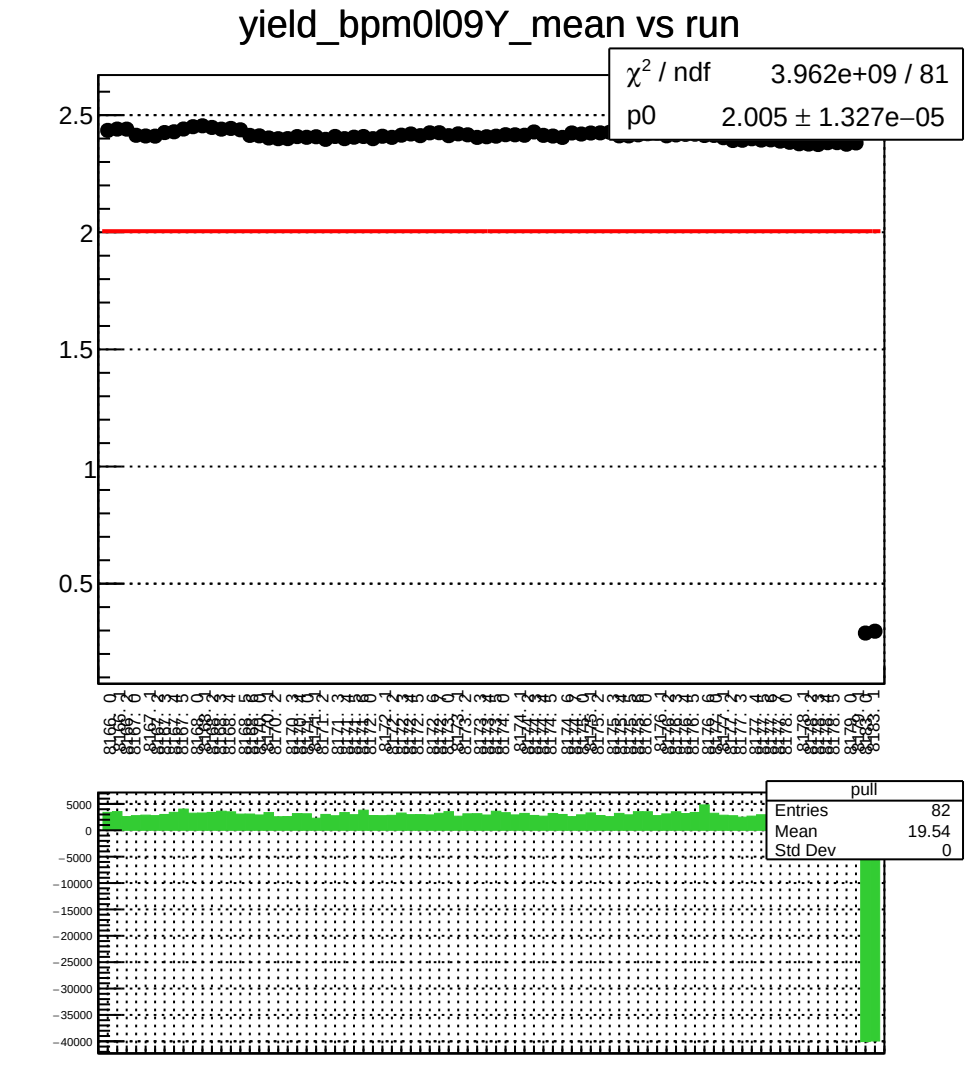

yield_bpm0l08Y_mean vs run
χ² / ndf 1.73e+10 / 81
p0 −2.75 ± 1.814e−05
pull
Entries 82
Mean 29.62
Std Dev 12.02
pull1D
Entries 82
Mean 0
Std Dev 0

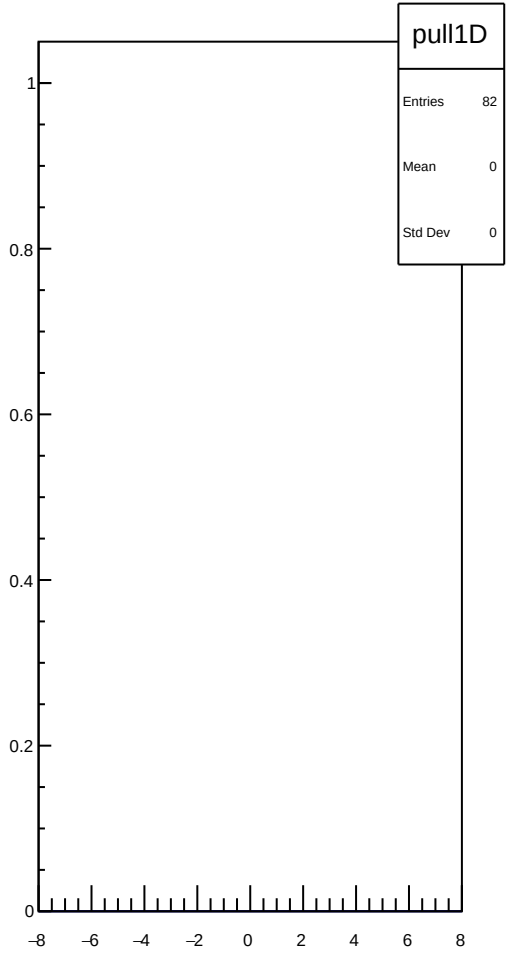

yield_bpm0l08Y_rms vs run
χ² / ndf 3.548e+05 / 81
p0 0.01421 ± 1.283e−05
0.025
0.02
0.015
0.01
0.005

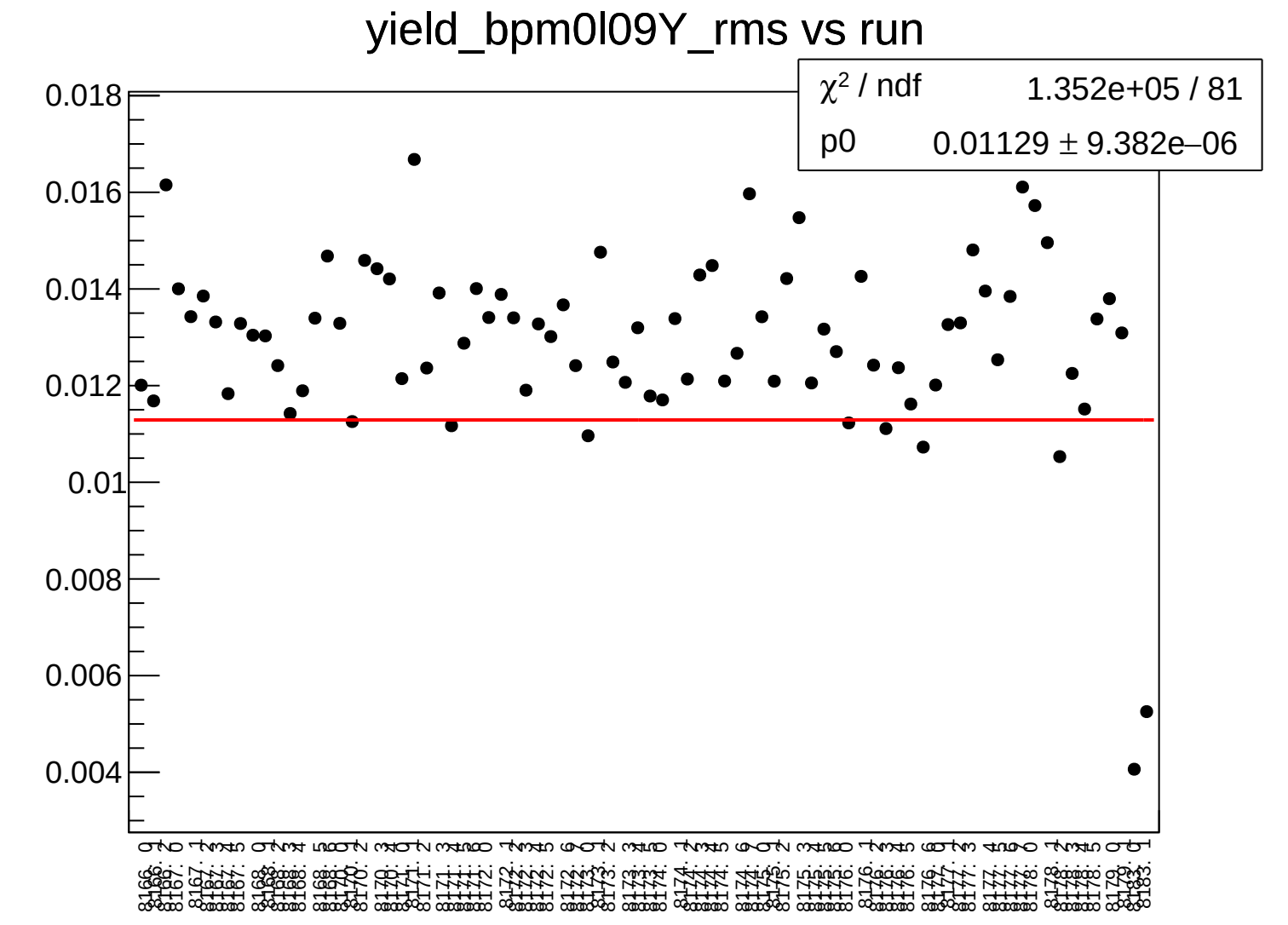

yield_bpm0l09X_mean vs run
χ² / ndf 2.776e+08 / 81
p0 2.301± 1.506e−05
pull
Entries 82
Mean −1435
Std Dev 0

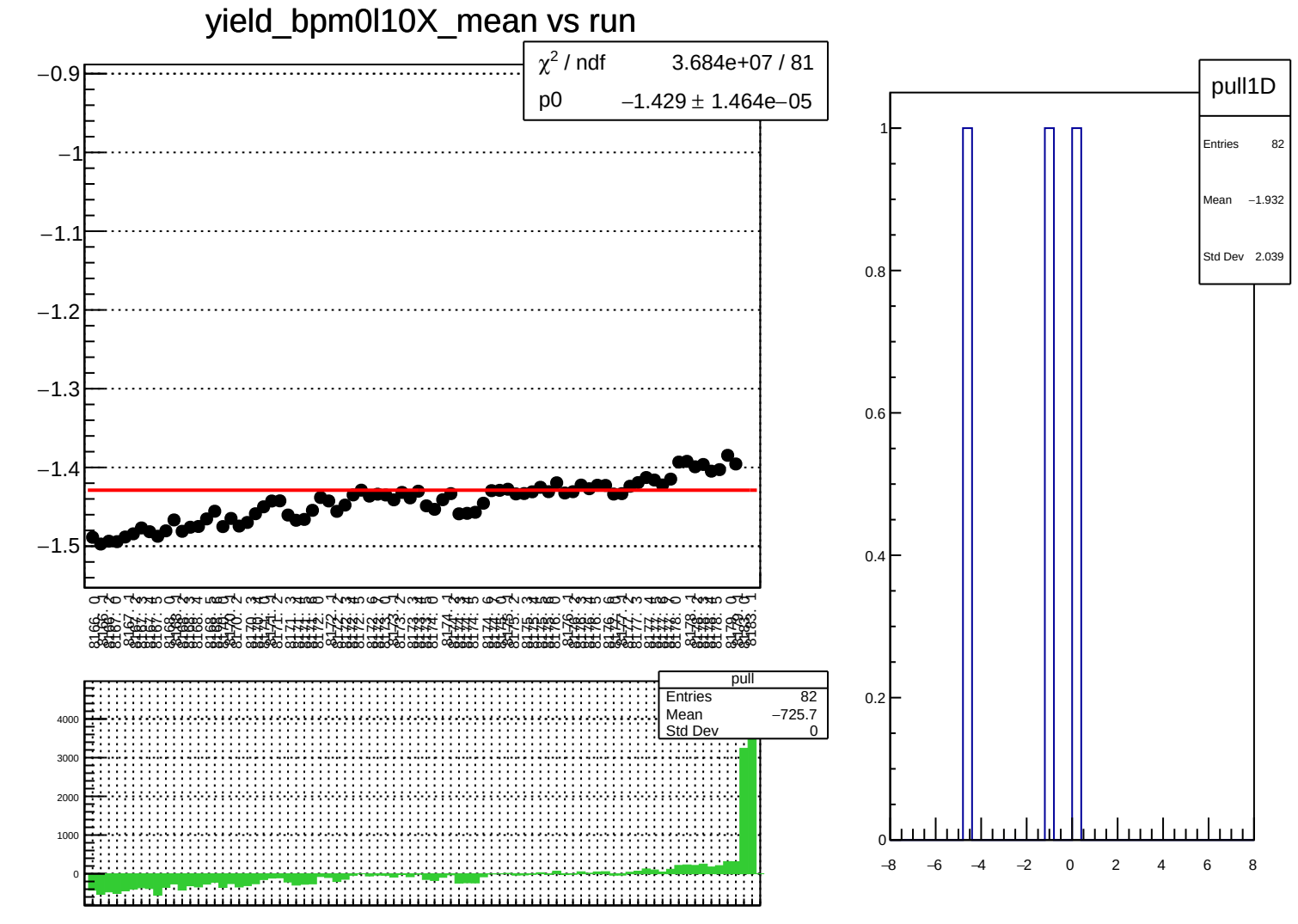

pull1D
Entries 82
Mean 0
Std Dev 0

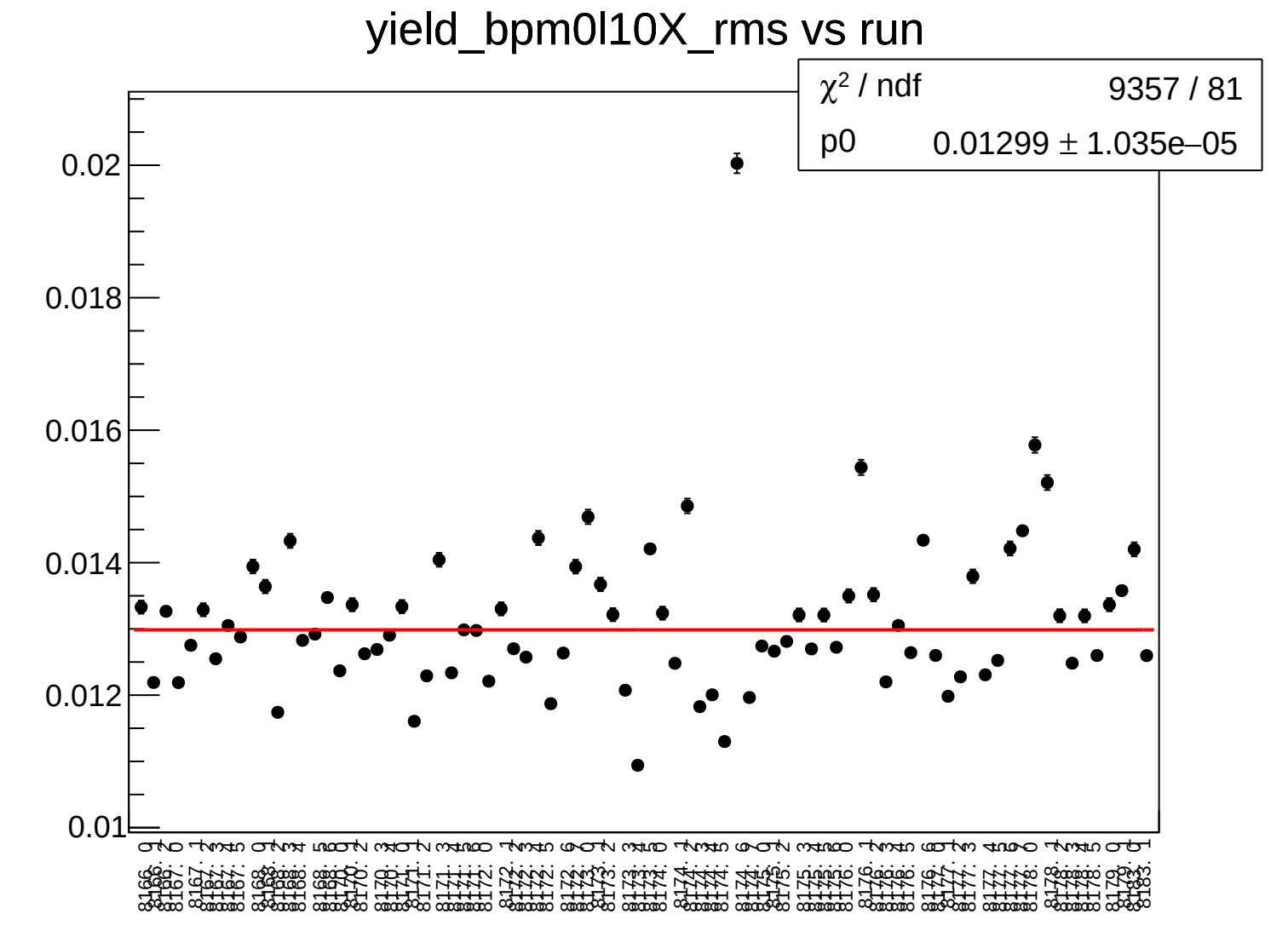

yield_bpm0l09X_rms vs run
χ² / ndf 1.365e+04 / 81
p0 0.01334 ± 1.065e–05
0.019
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011

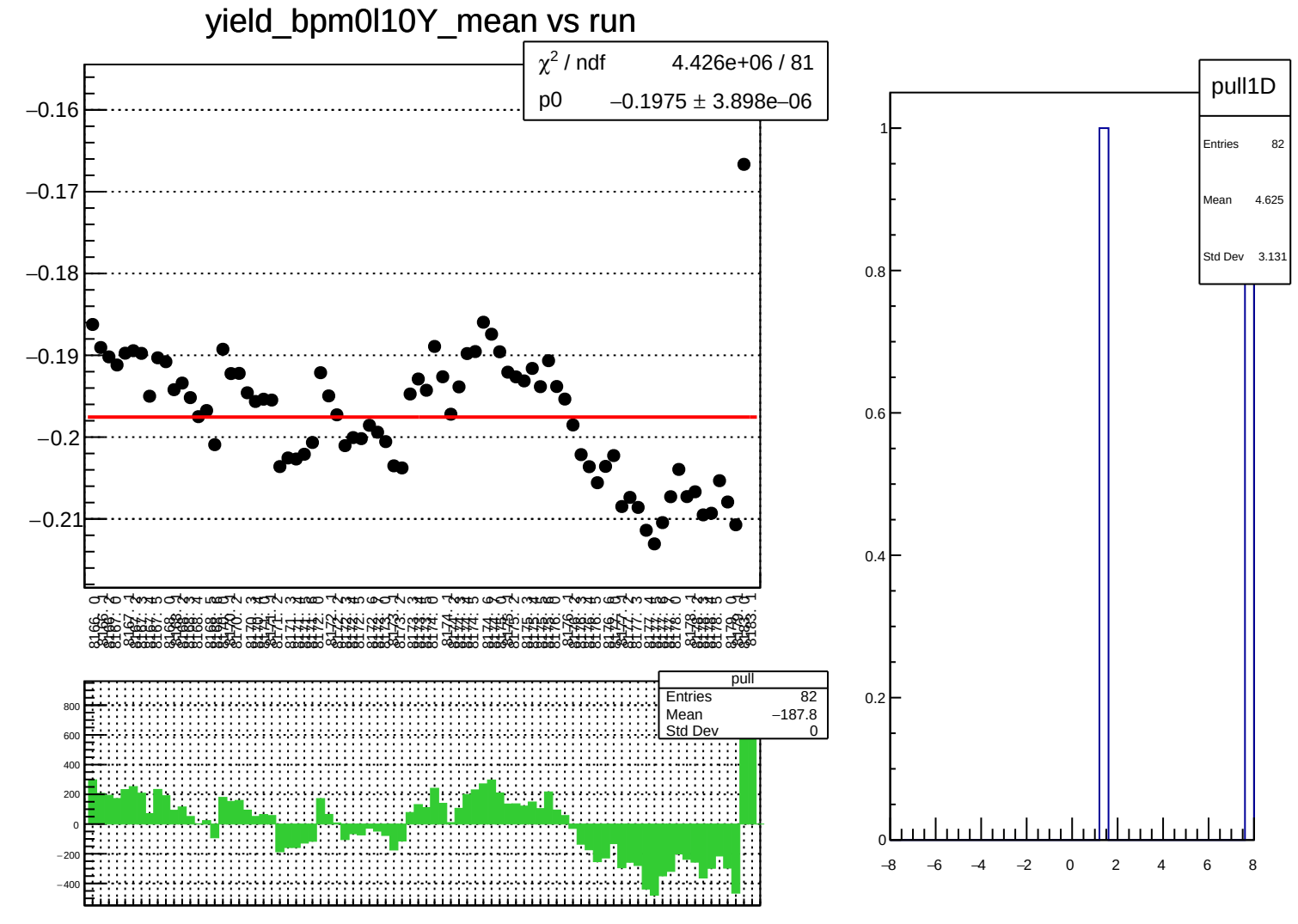

yield_bpm0l09Y_mean vs run
χ² / ndf 3.962e+09 / 81
p0 2.005 ± 1.327e−05
pull
Entries 82
Mean 19.54
Std Dev 0

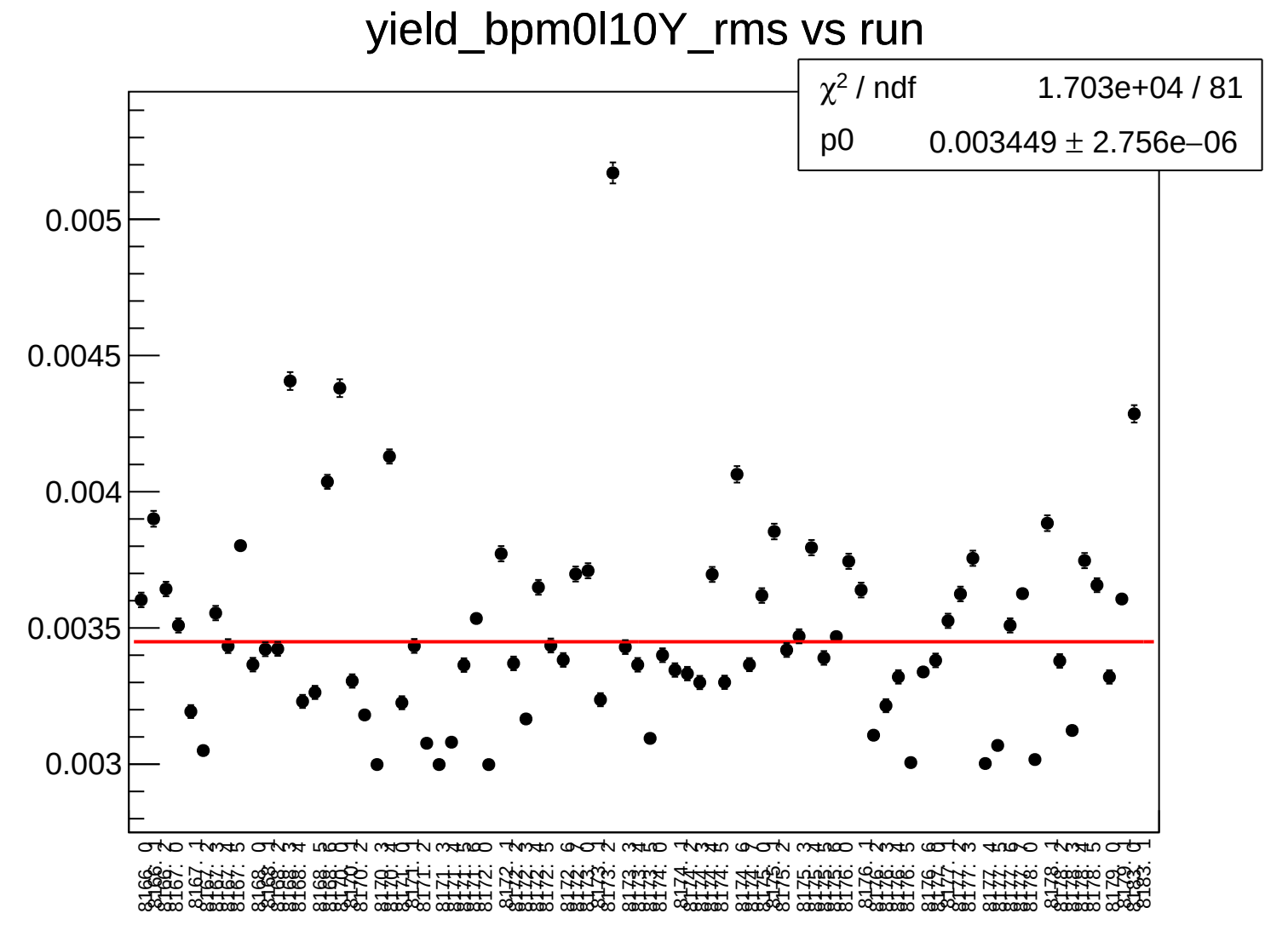

pull1D
Entries 82
Mean 0
Std Dev 0

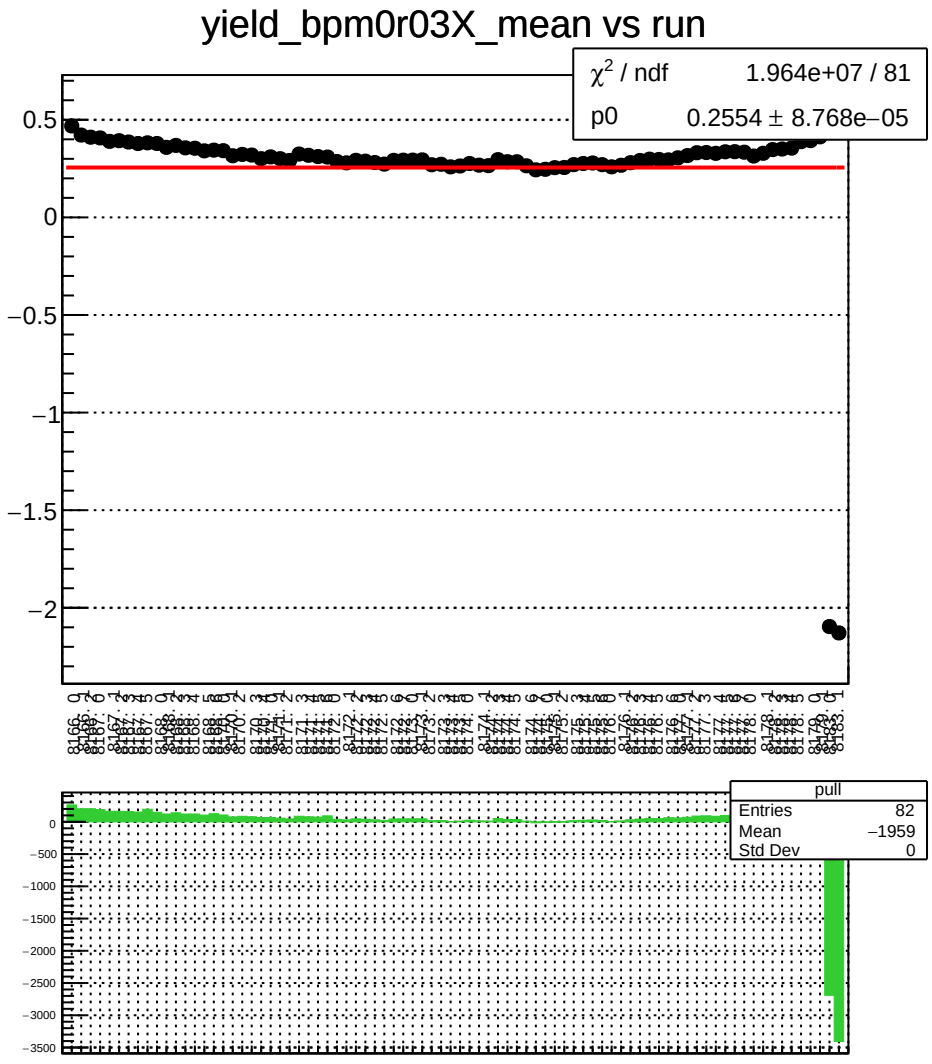

yield_bpm0l09Y_rms vs run
χ² / ndf 1.352e+05 / 81
p0 0.01129 ± 9.382e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

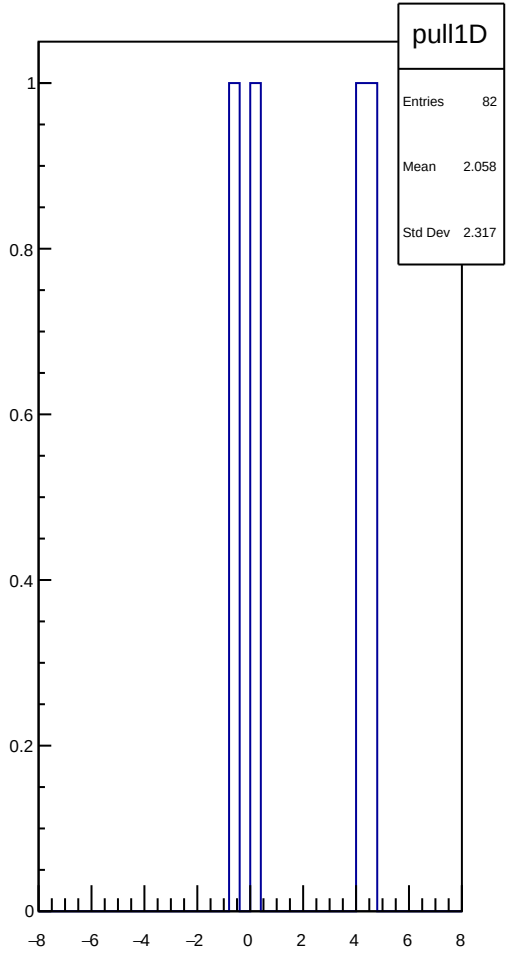

yield_bpm0l10X_mean vs run
χ² / ndf 3.684e+07 / 81
p0 −1.429 ± 1.464e−05
−0.9
−1
−1.1
−1.2
−1.3
−1.4
−1.5
pull
Entries 82
Mean −725.7
Std Dev 0
4000
3000
2000
1000
0
pull1D
Entries 82
Mean −1.932
Std Dev 2.039
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

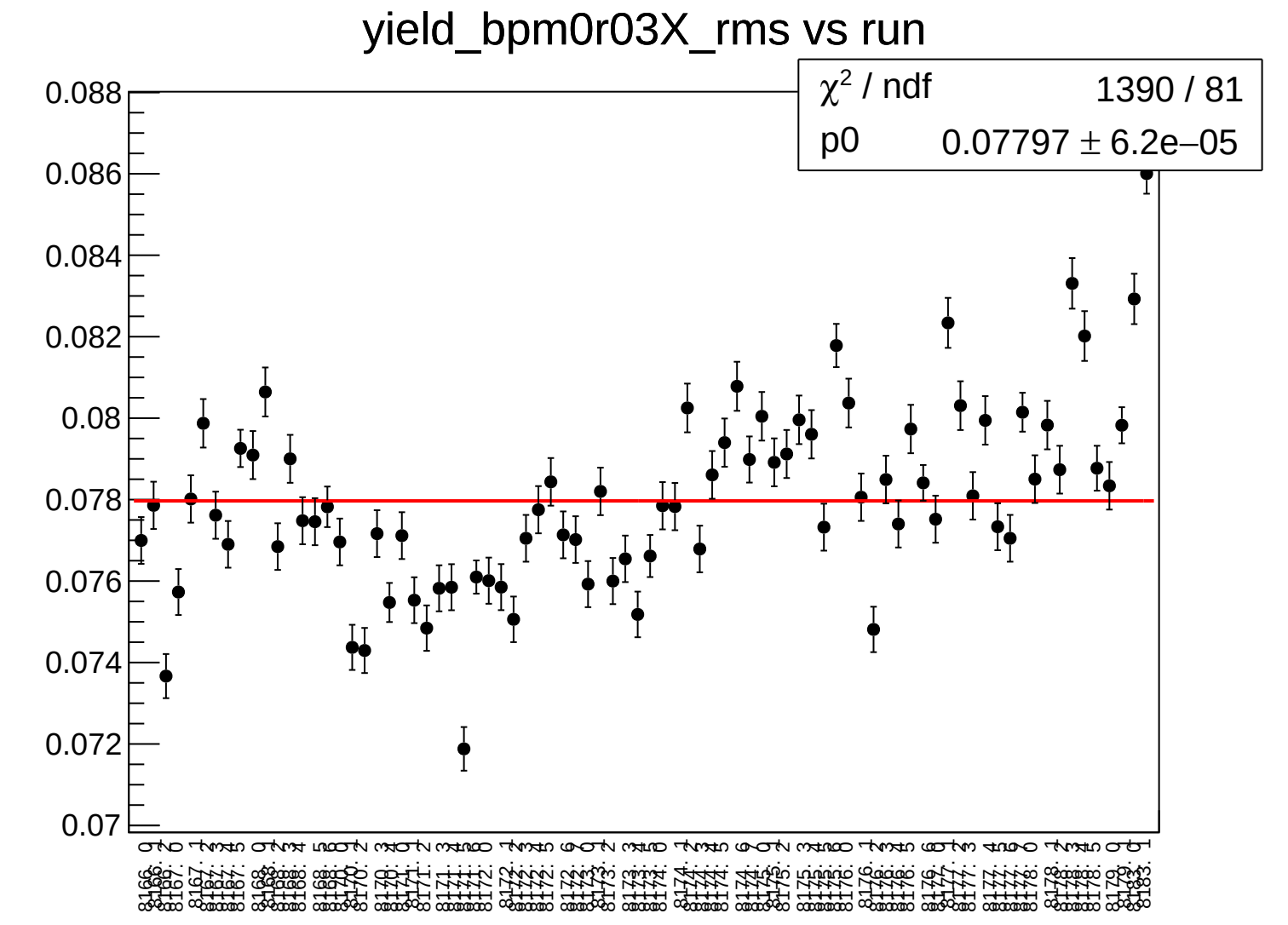

yield_bpm0l10X_rms vs run
χ² / ndf 9357 / 81
p0 0.01299 ± 1.035e−05
0.02
0.018
0.016
0.014
0.012
0.01

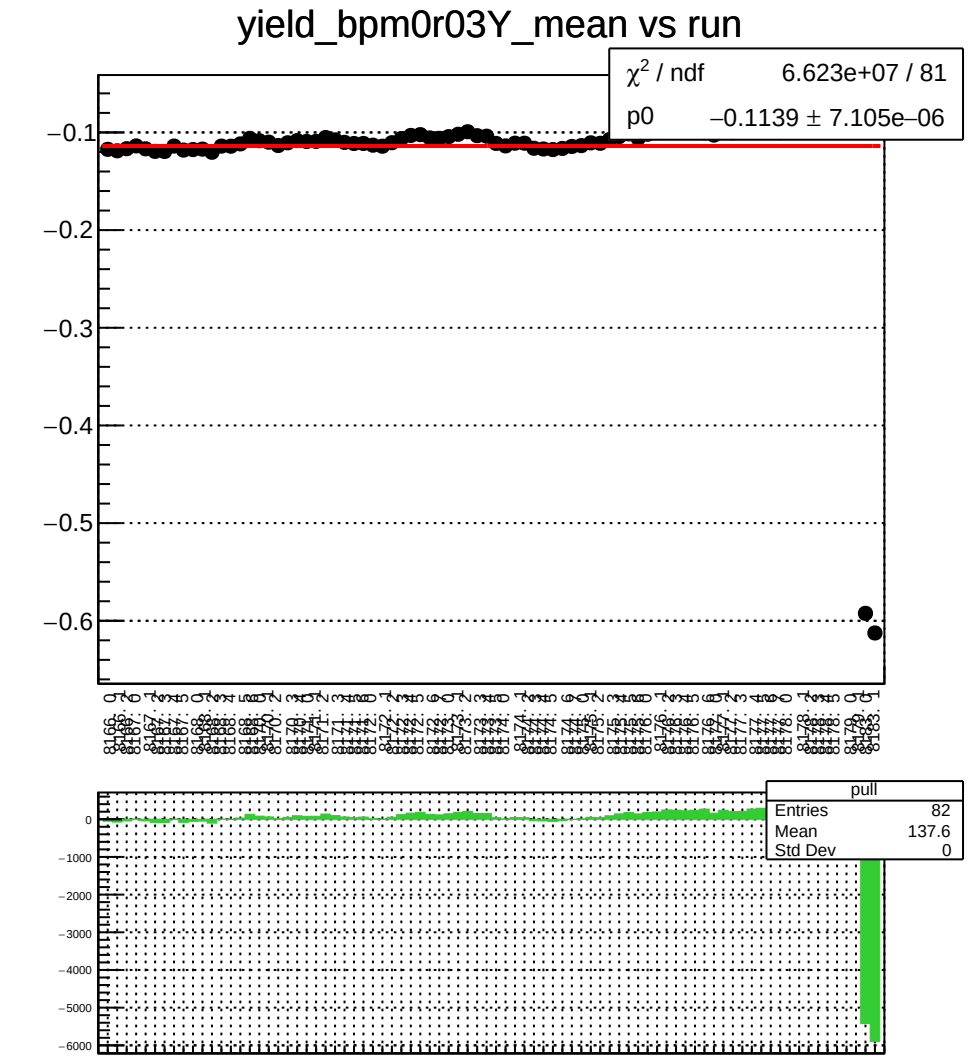

yield_bpm0l10Y_mean vs run
χ² / ndf 4.426e+06 / 81
p0 −0.1975 ± 3.898e−06
−0.16
−0.17
−0.18
−0.19
−0.2
−0.21
pull
Entries 82
Mean −187.8
Std Dev 0
800
600
400
200
0
−200
−400
pull1D
Entries 82
Mean 4.625
Std Dev 3.131
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

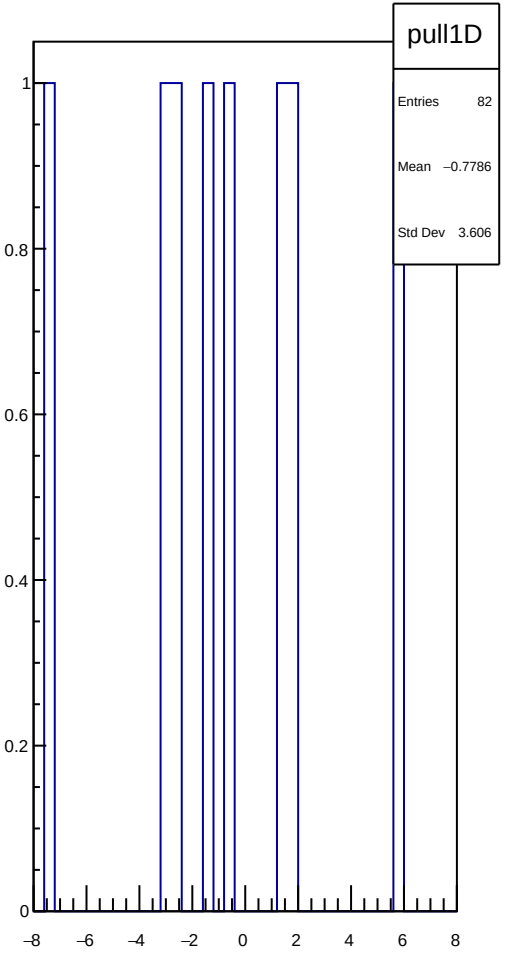

yield_bpm0l10Y_rms vs run
χ² / ndf 1.703e+04 / 81
p0 0.003449 ± 2.756e−06
0.005
0.0045
0.004
0.0035
0.003

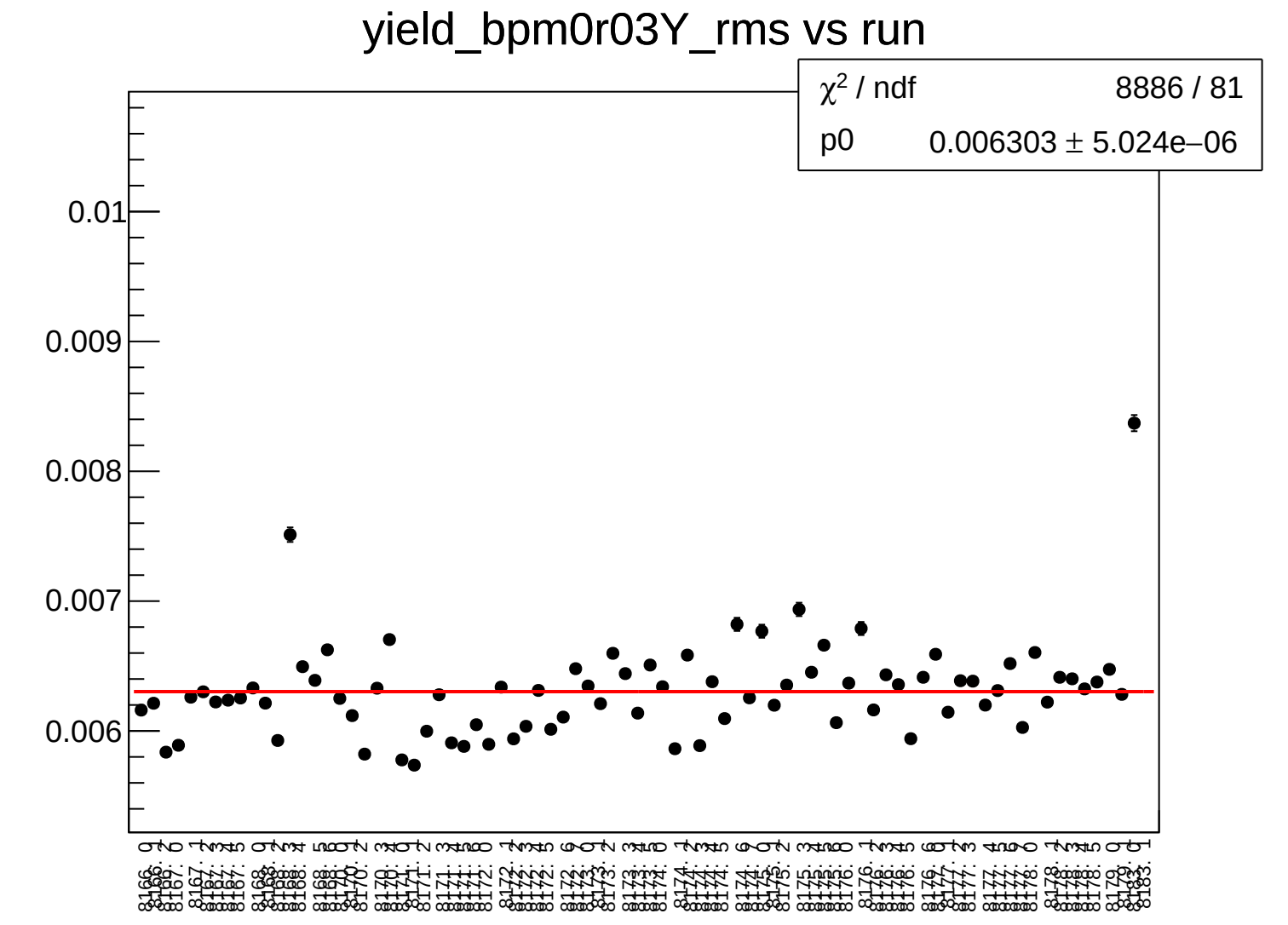

yield_bpm0r03X_mean vs run
χ² / ndf 1.964e+07 / 81
p0 0.2554 ± 8.768e−05
pull
Entries 82
Mean −1959
Std Dev 0

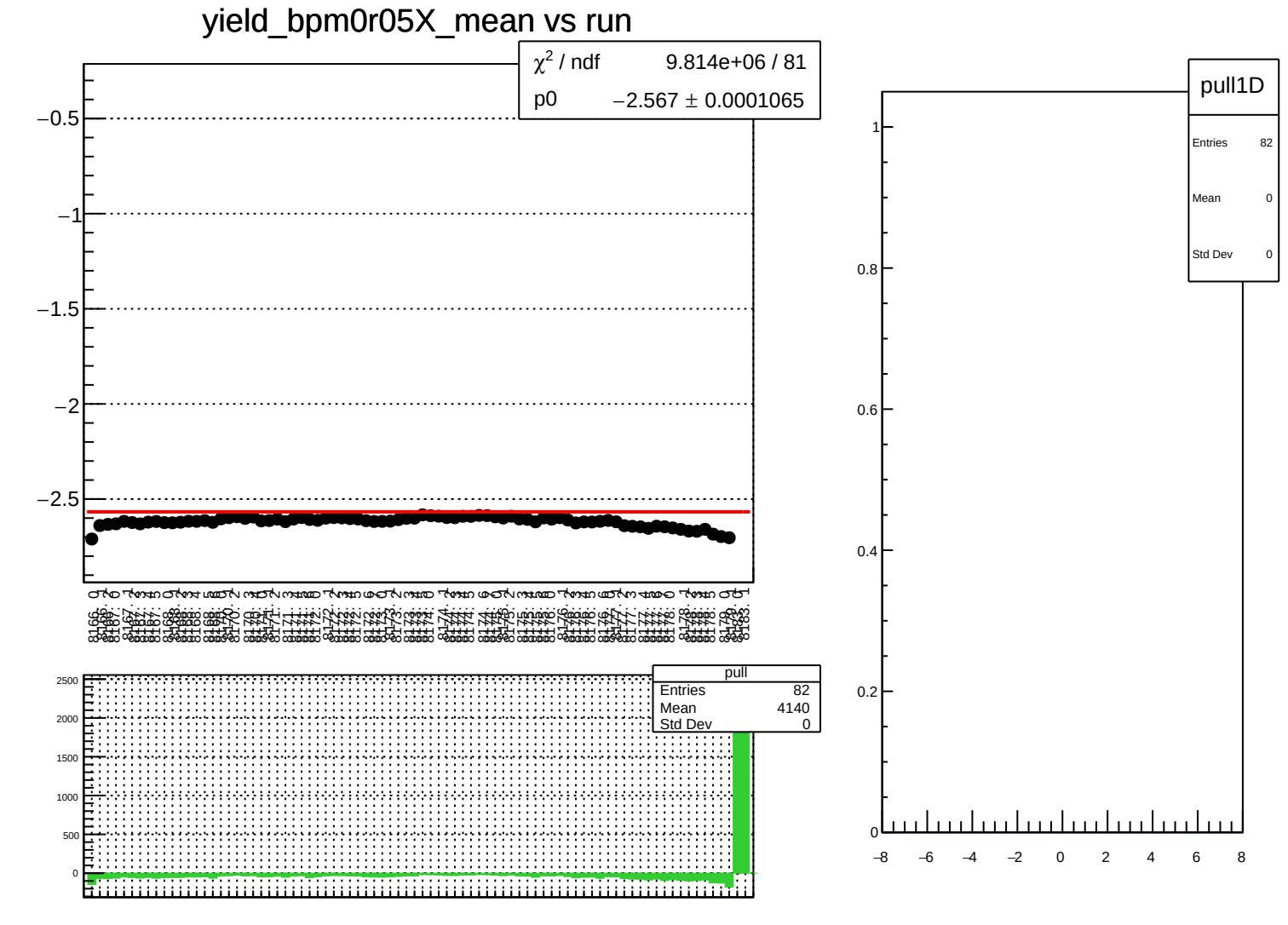

pull1D
Entries 82
Mean 2.058
Std Dev 2.317


yield_bpm0r03X_rms vs run
χ² / ndf 1390 / 81
p0 0.07797 ± 6.2e−05
0.088
0.086
0.084
0.082
0.08
0.078
0.076
0.074
0.072
0.07

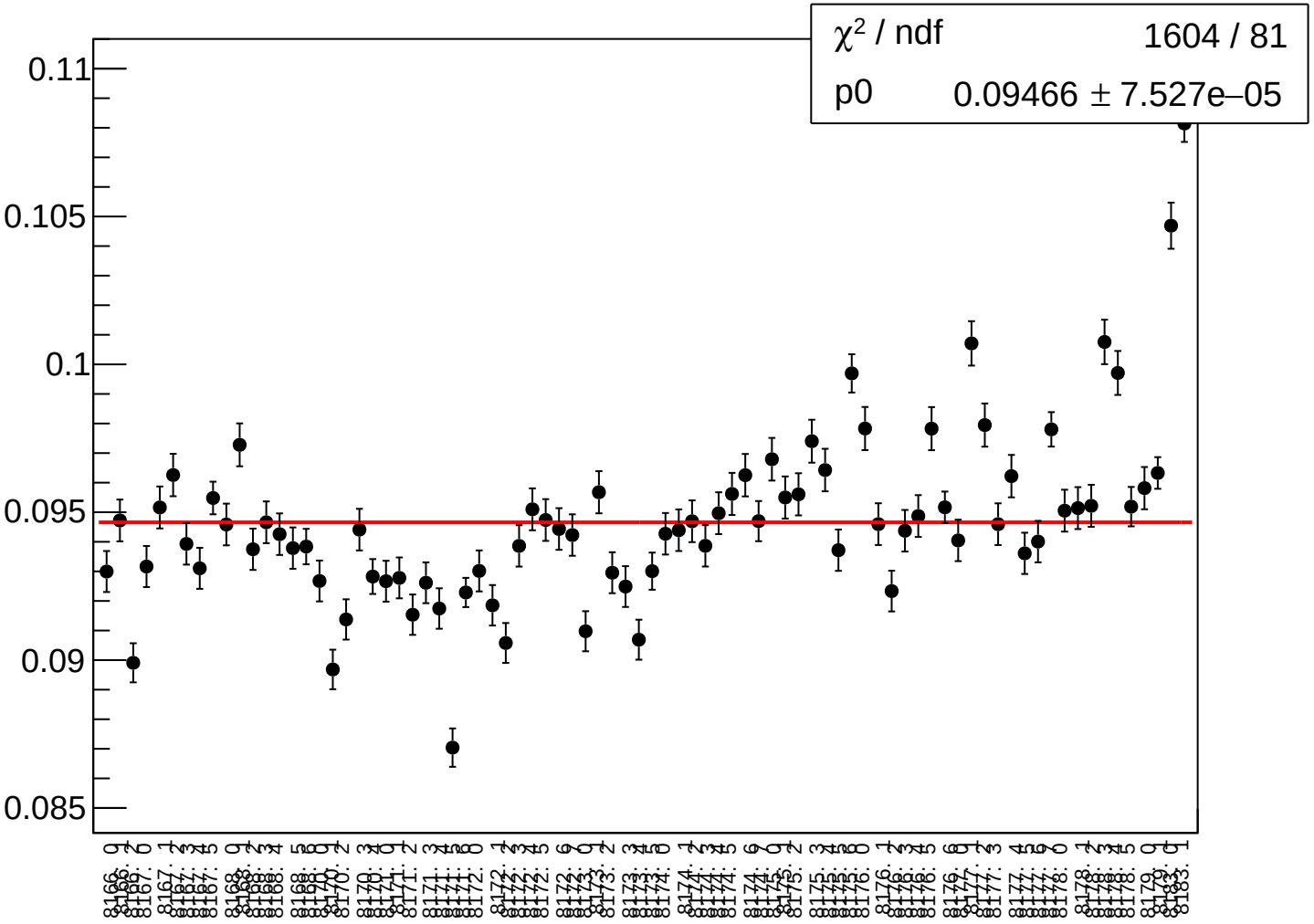

yield_bpm0r03Y_mean vs run
χ² / ndf 6.623e+07 / 81
p0 −0.1139 ± 7.105e−06
pull
Entries 82
Mean 137.6
Std Dev 0

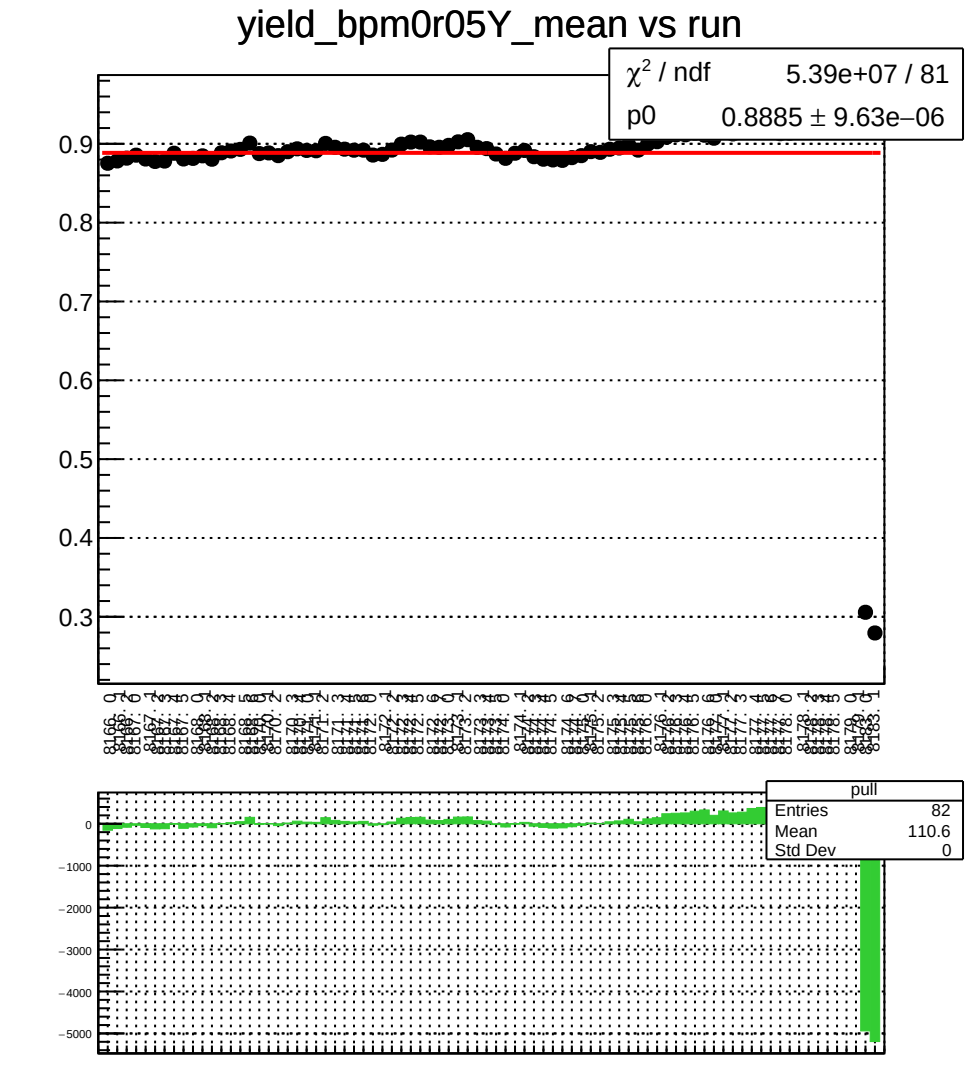

pull1D
Entries 82
Mean −0.7786
Std Dev 3.606

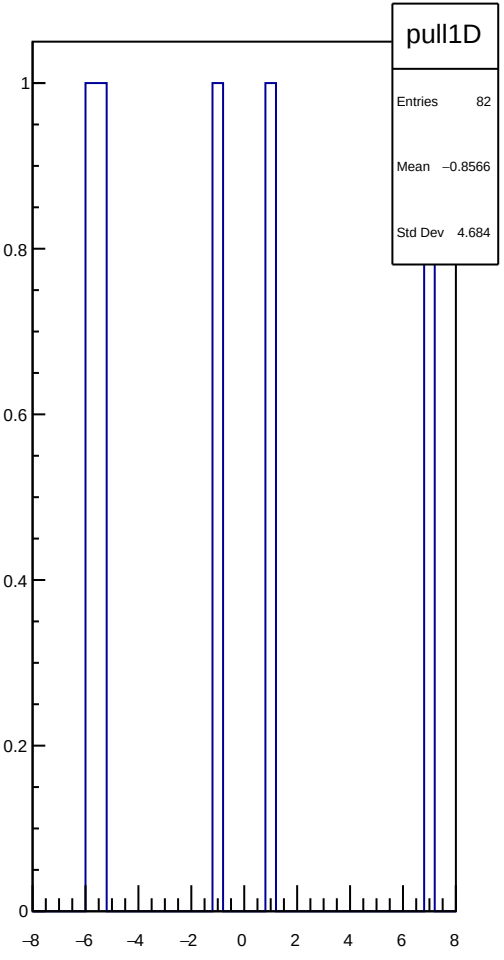

yield_bpm0r03Y_rms vs run
χ² / ndf 8886 / 81
p0 0.006303 ± 5.024e−06
0.01
0.009
0.008
0.007
0.006

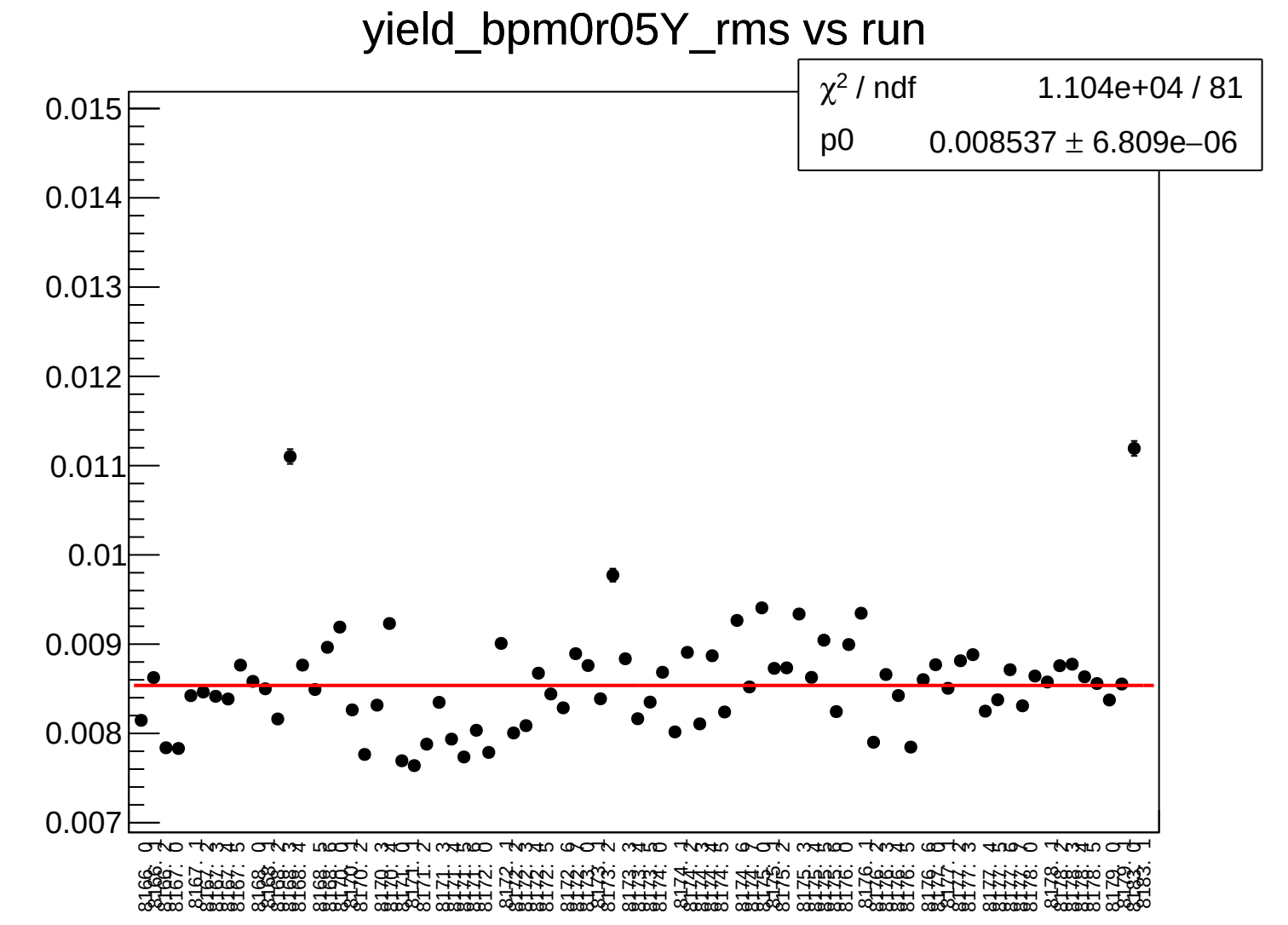

yield_bpm0r05X_mean vs run
χ² / ndf 9.814e+06 / 81
p0 −2.567 ± 0.0001065
−0.5
−1
−1.5
−2
−2.5
pull
Entries 82
Mean 4140
Std Dev 0
2500
2000
1500
1000
500
0
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

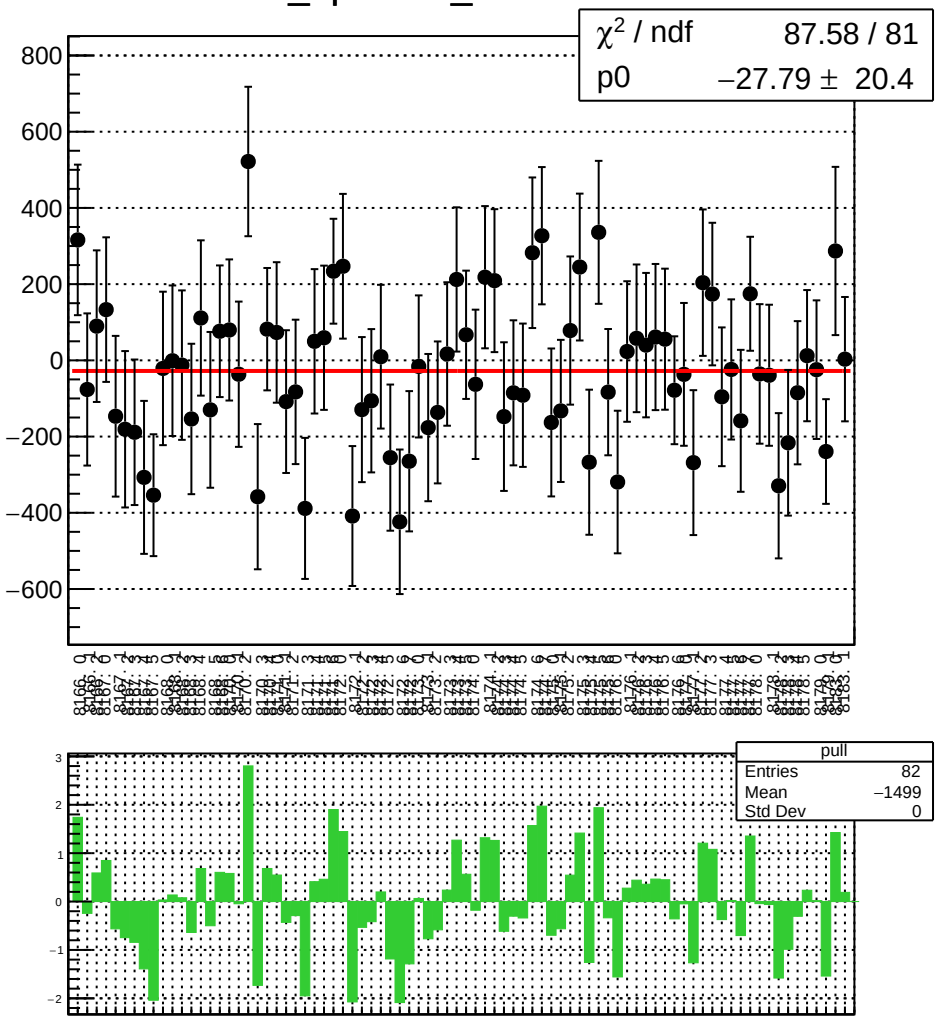
yield_bpm0r05X_rms vs run

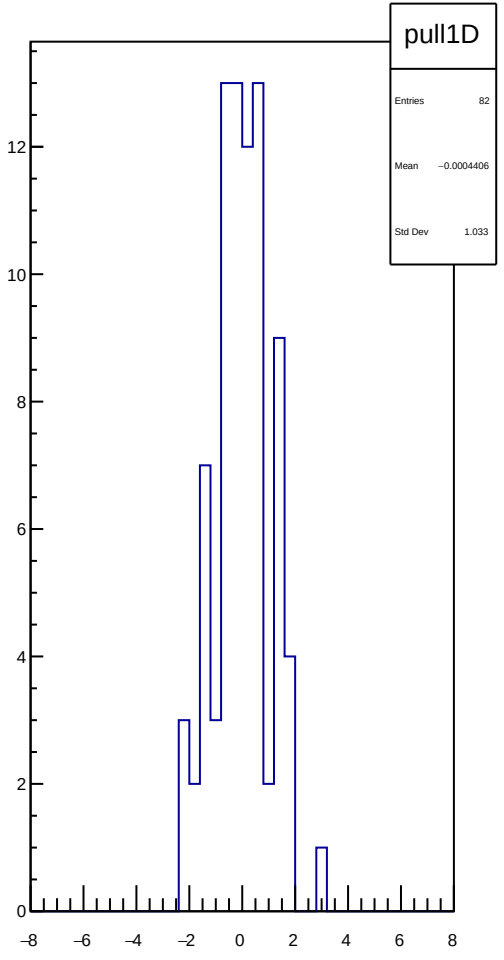


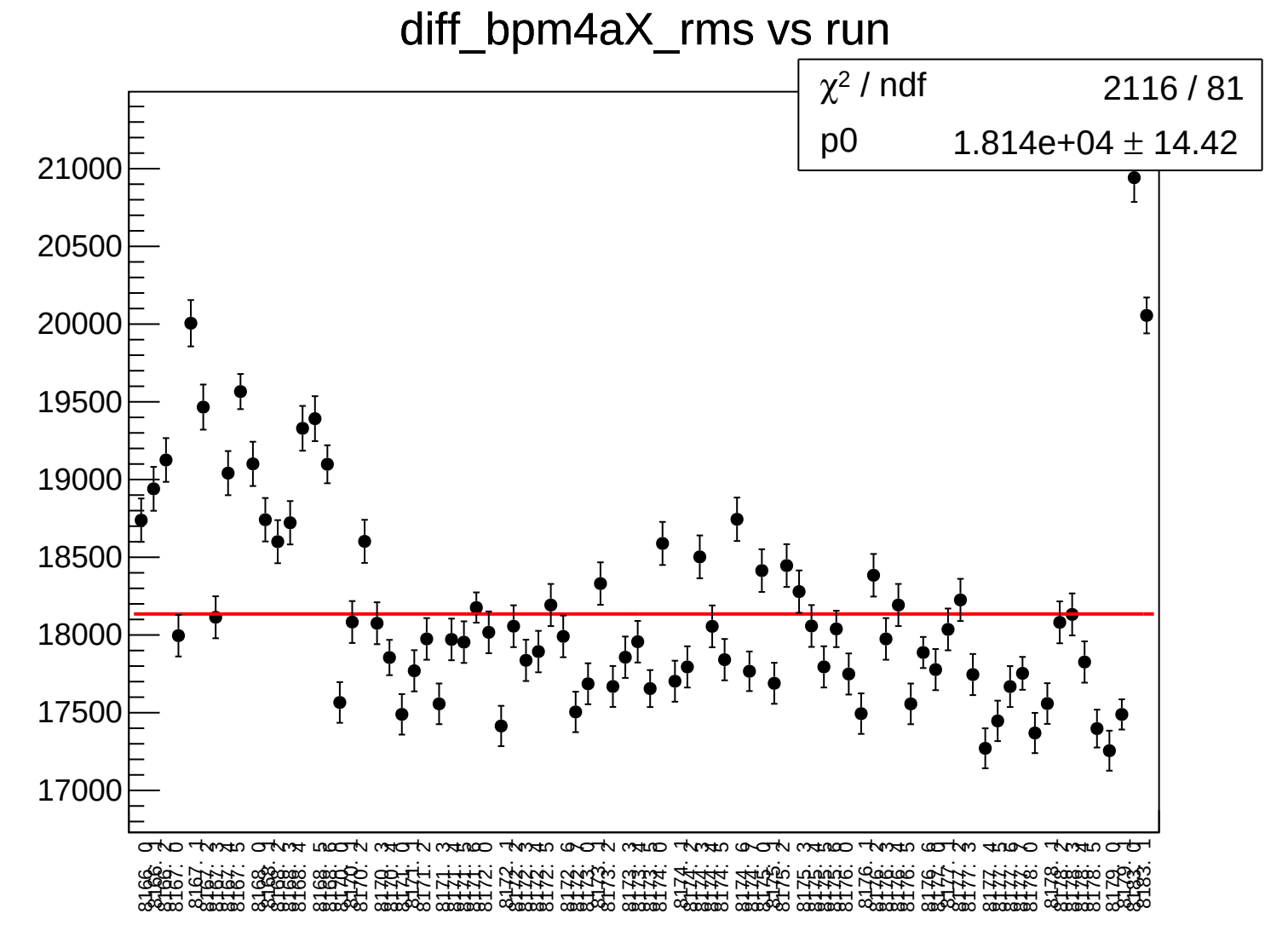

yield_bpm0r05Y_mean vs run
χ² / ndf 5.39e+07 / 81
p0 0.8885 ± 9.63e−06
pull
Entries 82
Mean 110.6
Std Dev 0

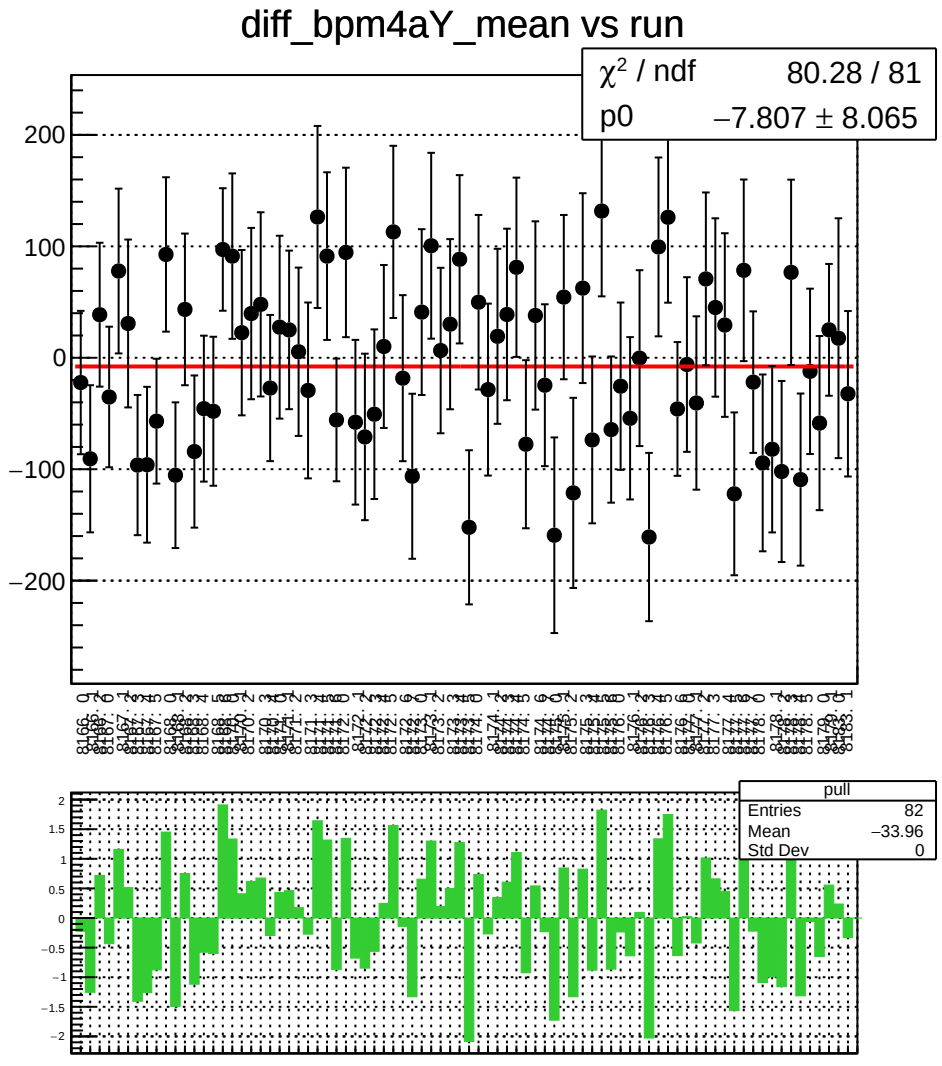

pull1D
Entries 82
Mean −0.8566
Std Dev 4.684

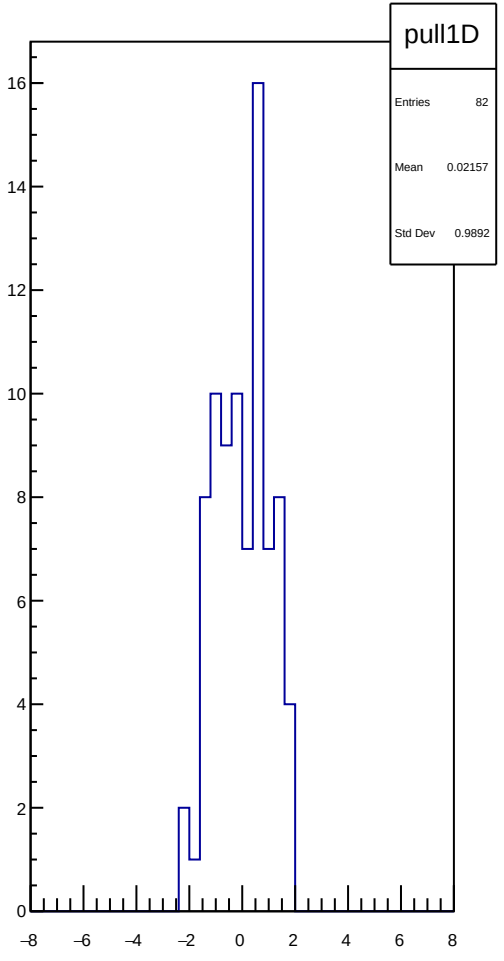

yield_bpm0r05Y_rms vs run
χ² / ndf 1.104e+04 / 81
p0 0.008537 ± 6.809e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

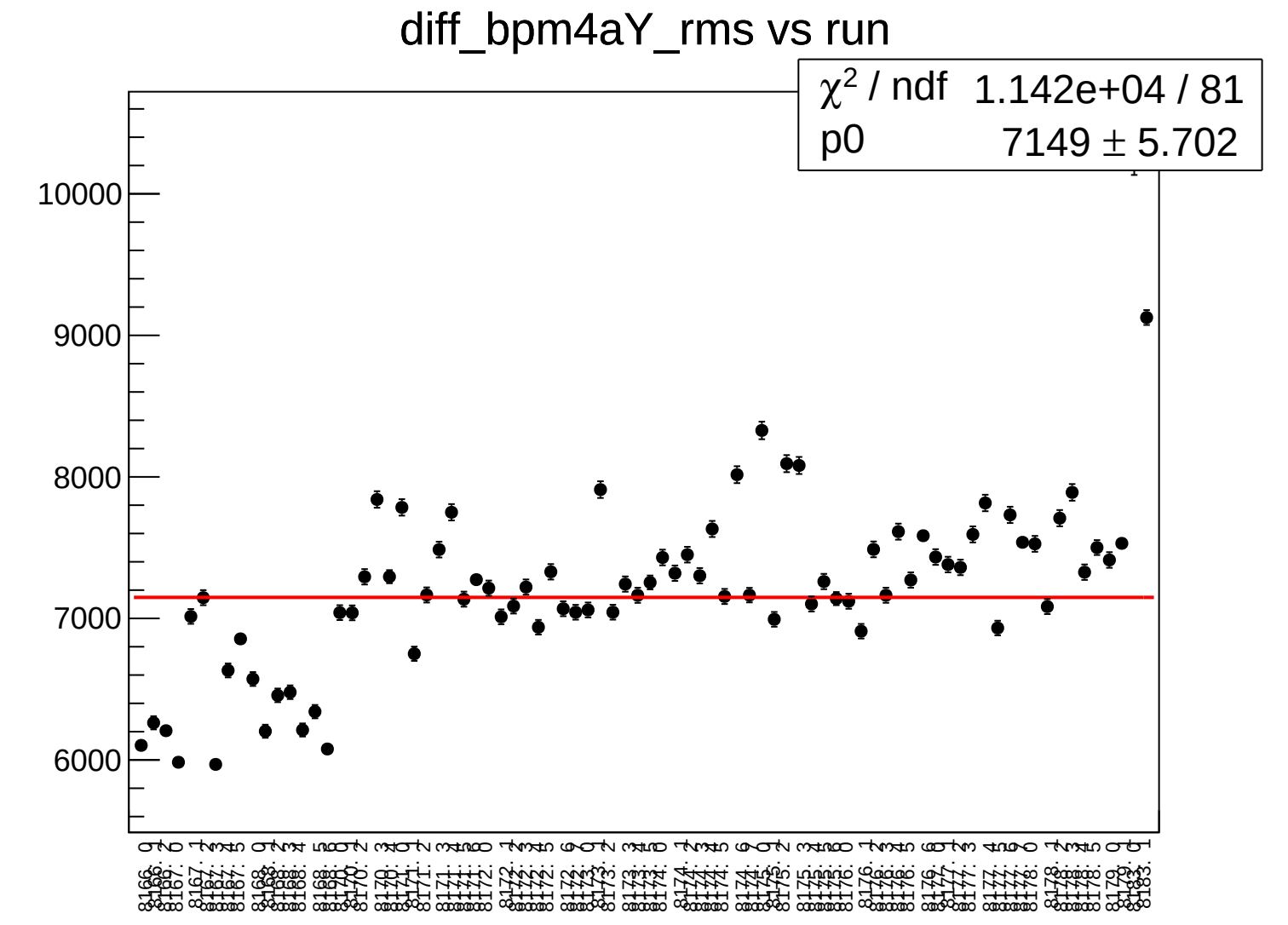

diff_bpm4aX_mean vs run
χ² / ndf 87.58 / 81
p0 −27.79 ± 20.4
pull
Entries 82
Mean −1499
Std Dev 0

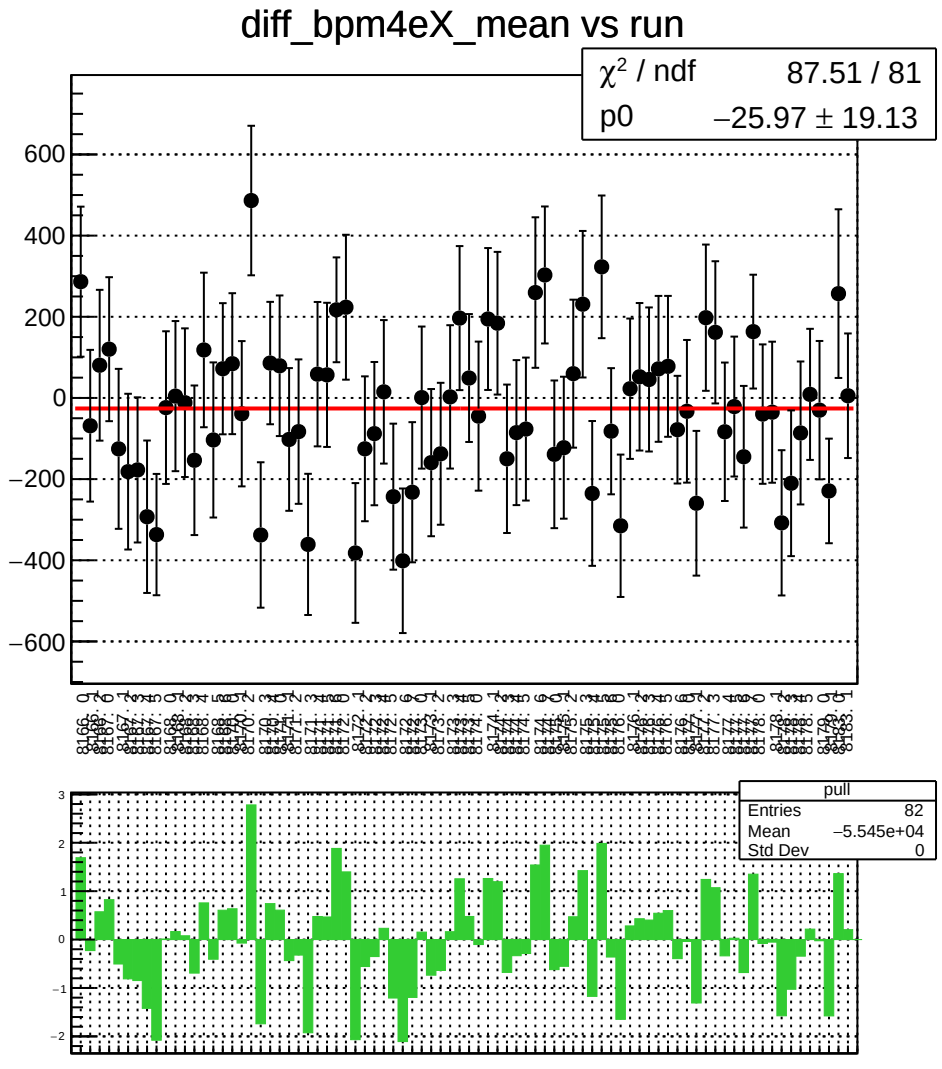

pull1D
Entries 82
Mean −0.0004406
Std Dev 1.033

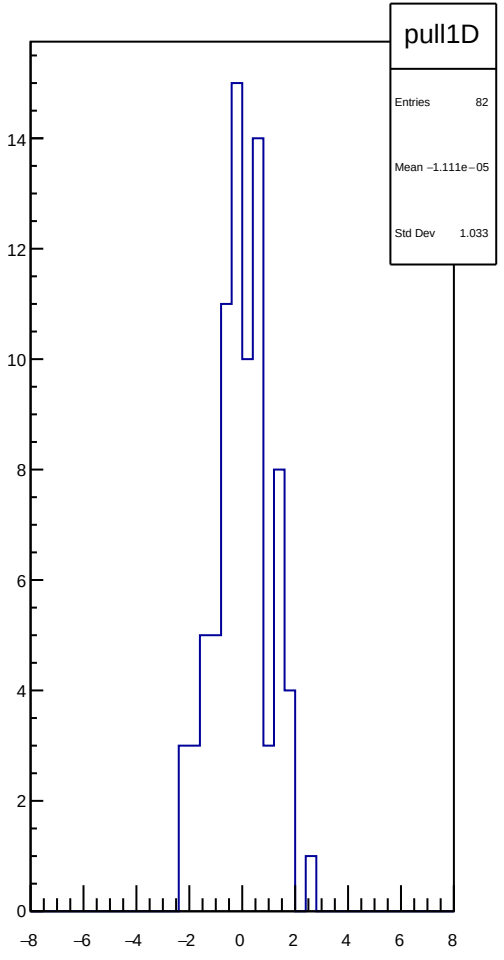

diff_bpm4aX_rms vs run
χ² / ndf 2116 / 81
p0 1.814e+04 ± 14.42
21000
20500
20000
19500
19000
18500
18000
17500
17000

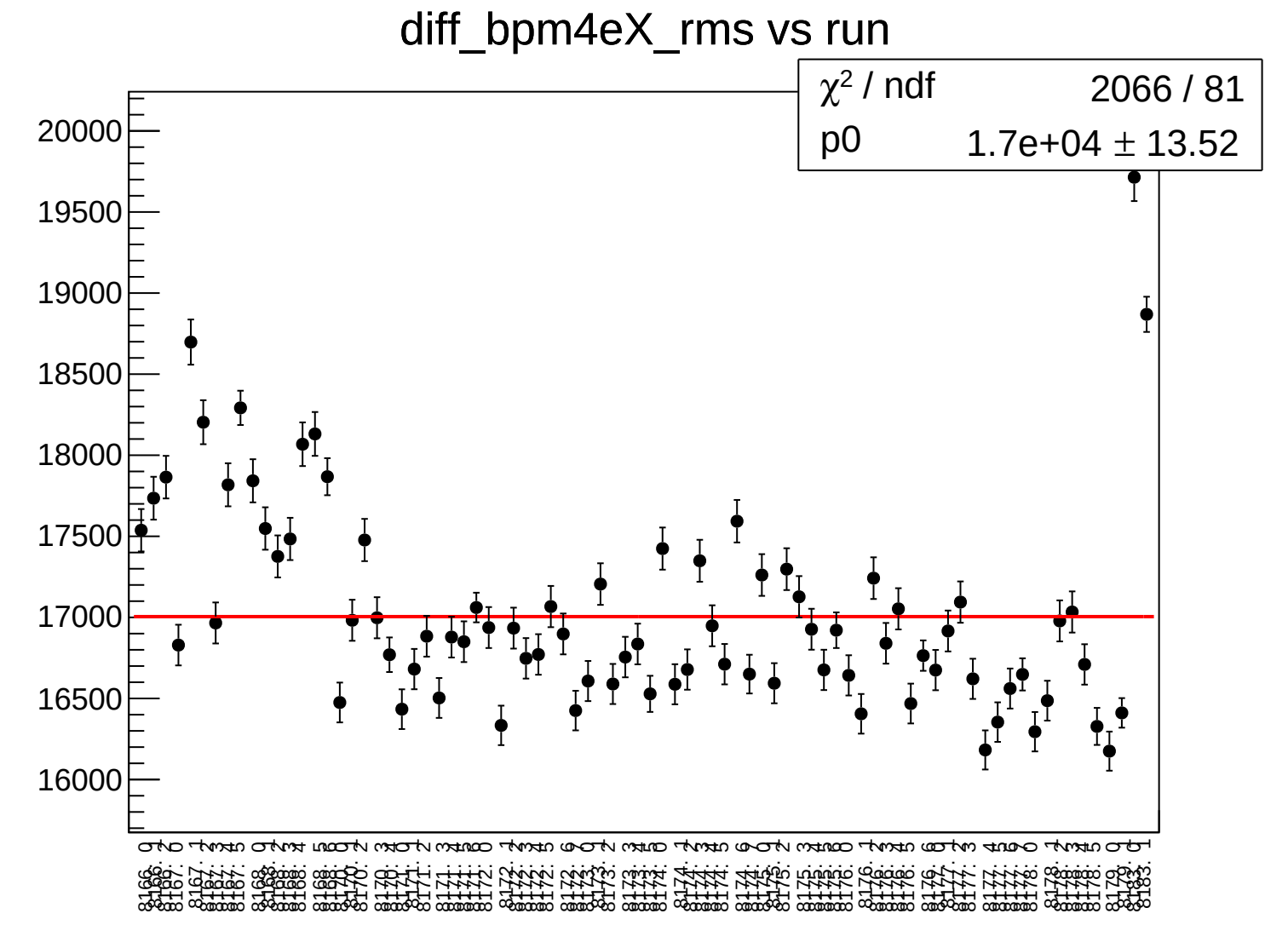

diff_bpm4aY_mean vs run
χ² / ndf 80.28 / 81
p0 −7.807 ± 8.065
200
100
0
−100
−200
pull
Entries 82
Mean −33.96
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

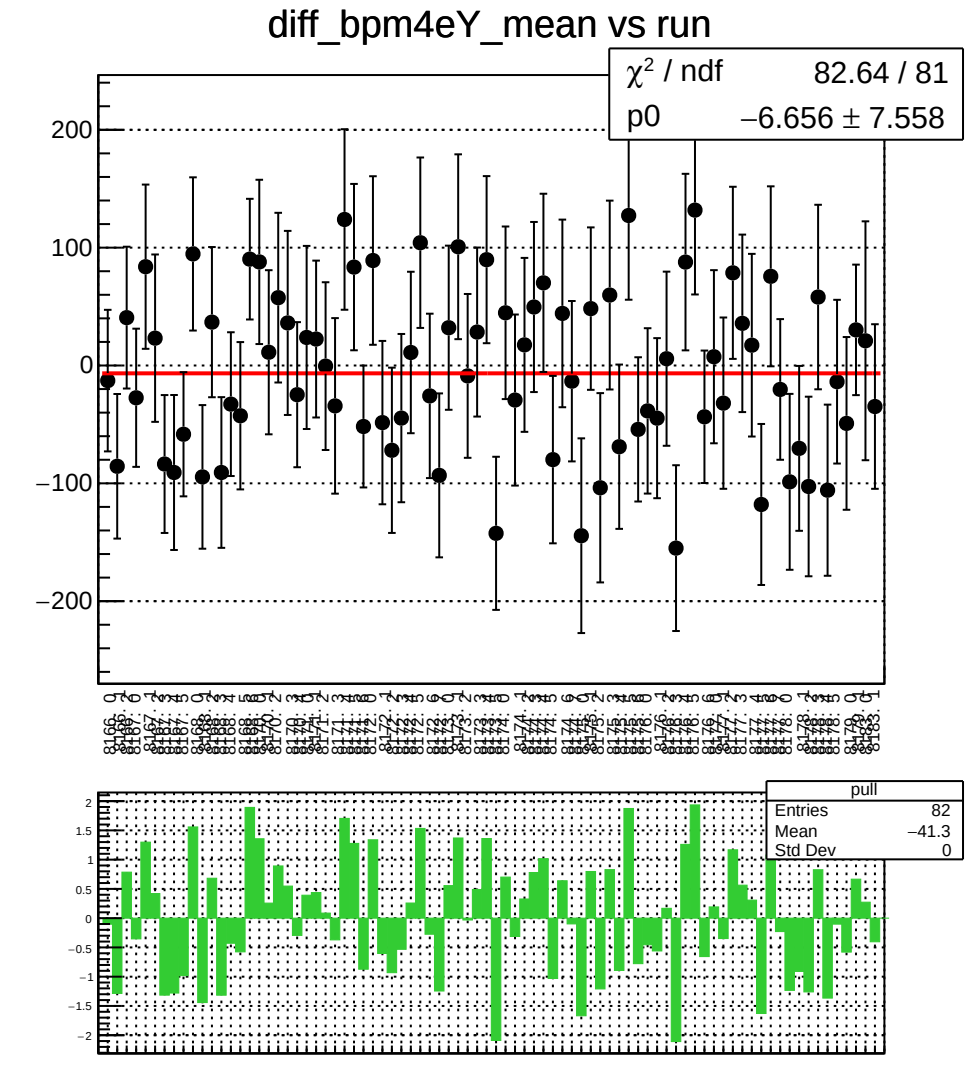

pull1D
Entries 82
Mean 0.02157
Std Dev 0.9892
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

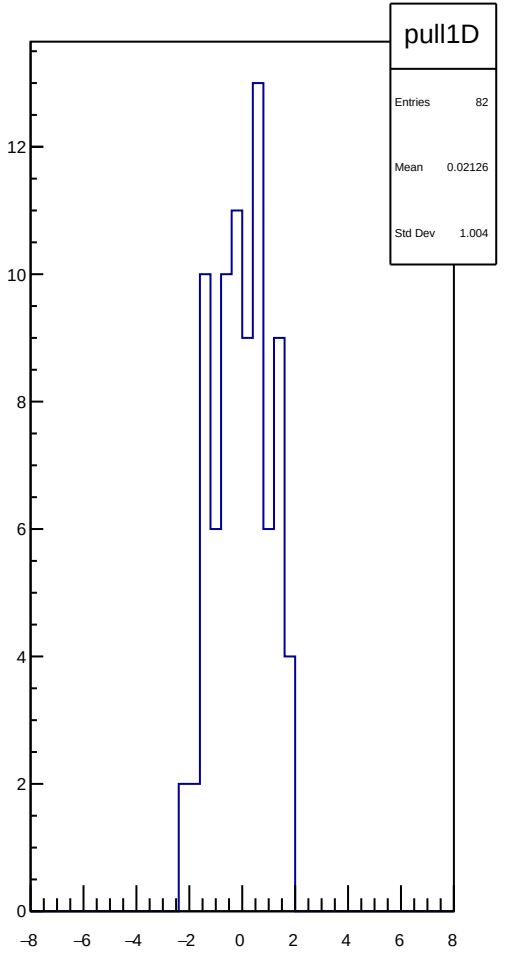

diff_bpm4aY_rms vs run
χ² / ndf 1.142e+04 / 81
p0 7149 ± 5.702
10000
9000
8000
7000
6000

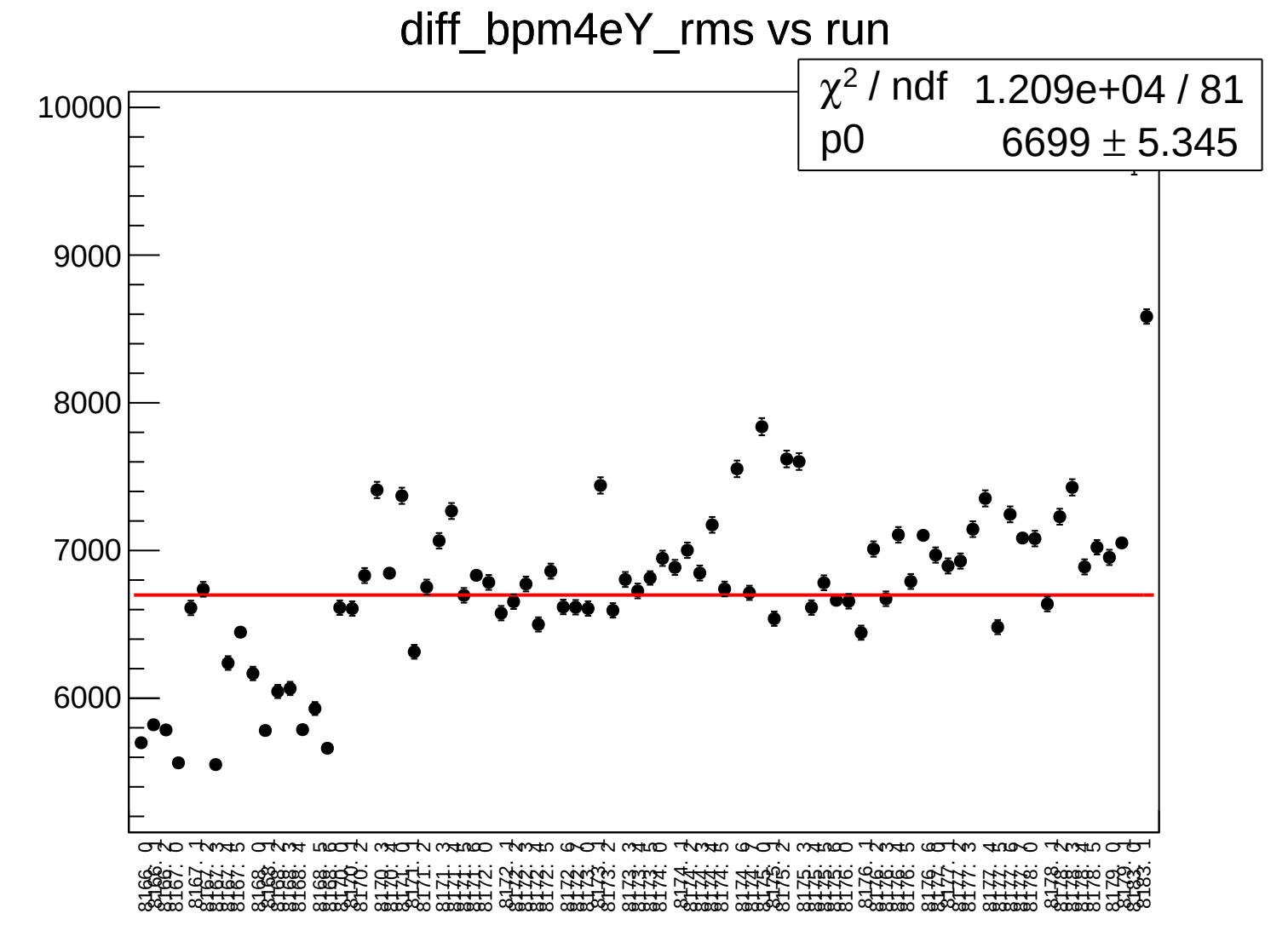

diff_bpm4eX_mean vs run
χ² / ndf 87.51 / 81
p0 −25.97 ± 19.13
pull
Entries 82
Mean −5.545e+04
Std Dev 0

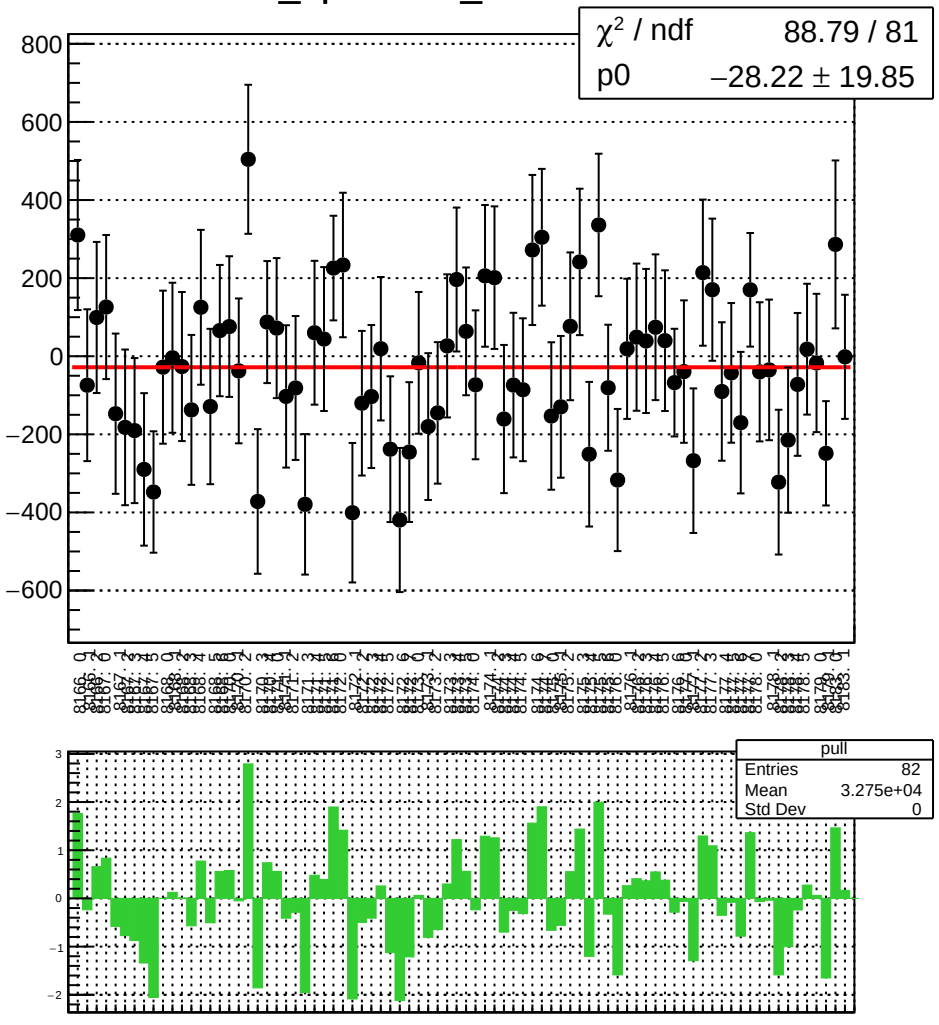

pull1D
Entries 82
Mean −1.111e−05
Std Dev 1.033

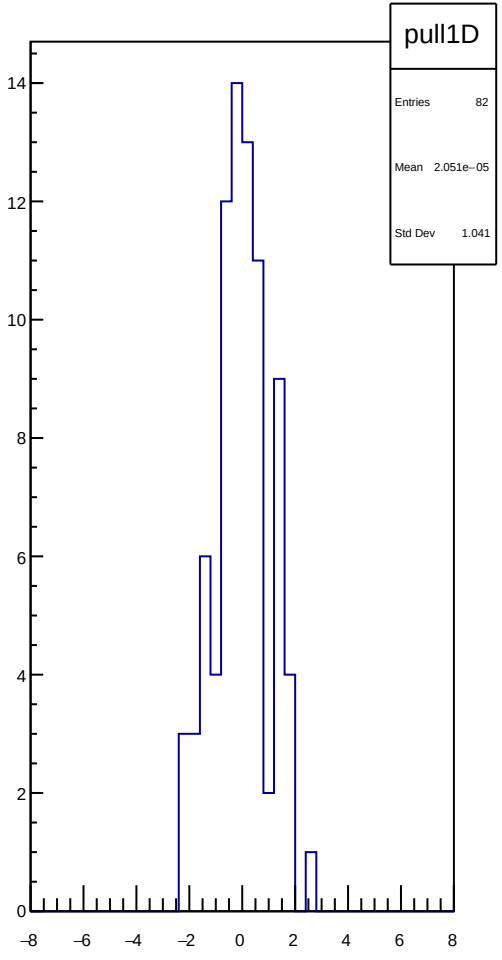

diff_bpm4eX_rms vs run
χ² / ndf 2066 / 81
p0 1.7e+04 ± 13.52
20000
19500
19000
18500
18000
17500
17000
16500
16000

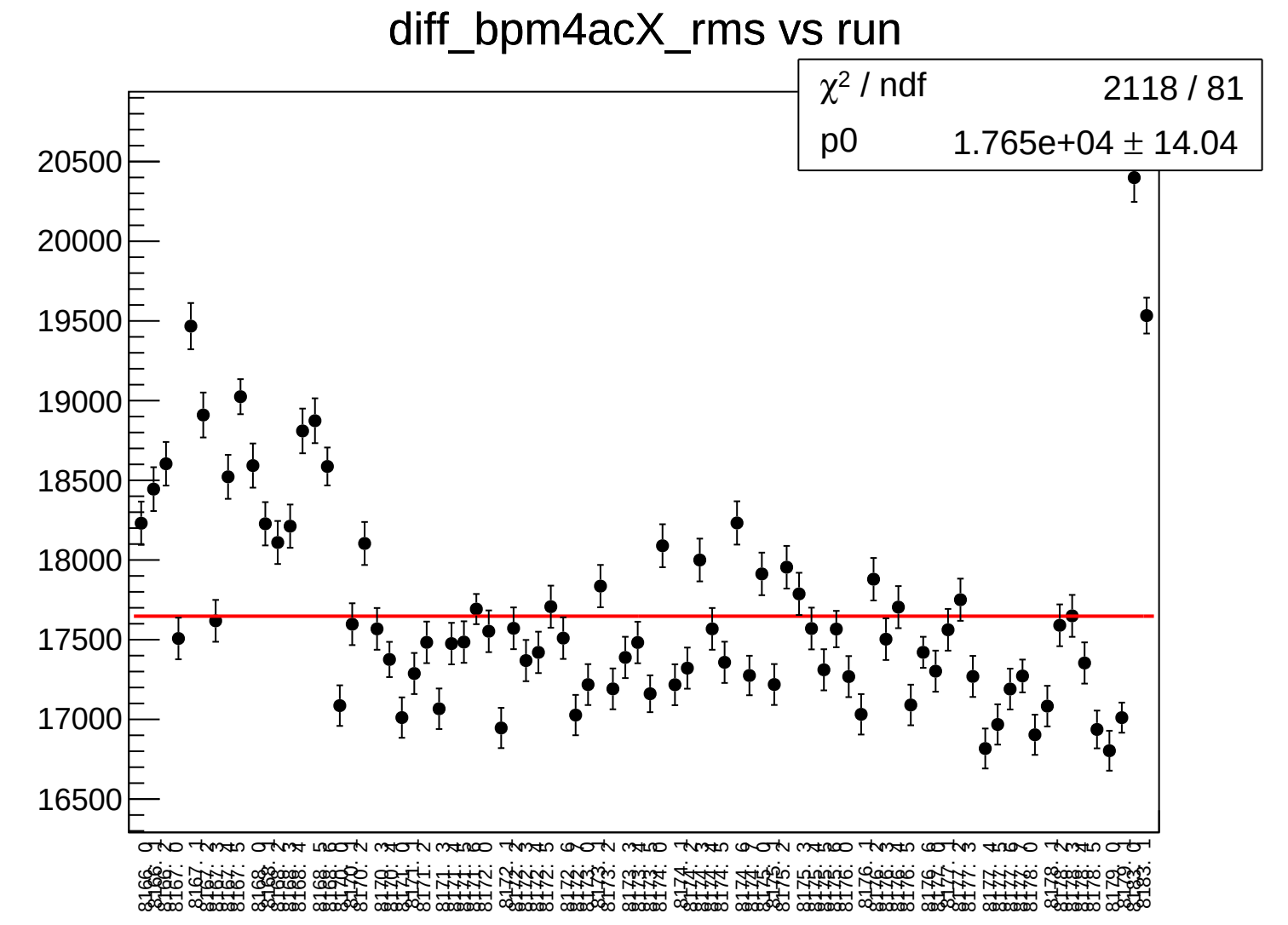

diff_bpm4eY_mean vs run
χ² / ndf 82.64 / 81
p0 −6.656 ± 7.558
pull
Entries 82
Mean −41.3
Std Dev 0

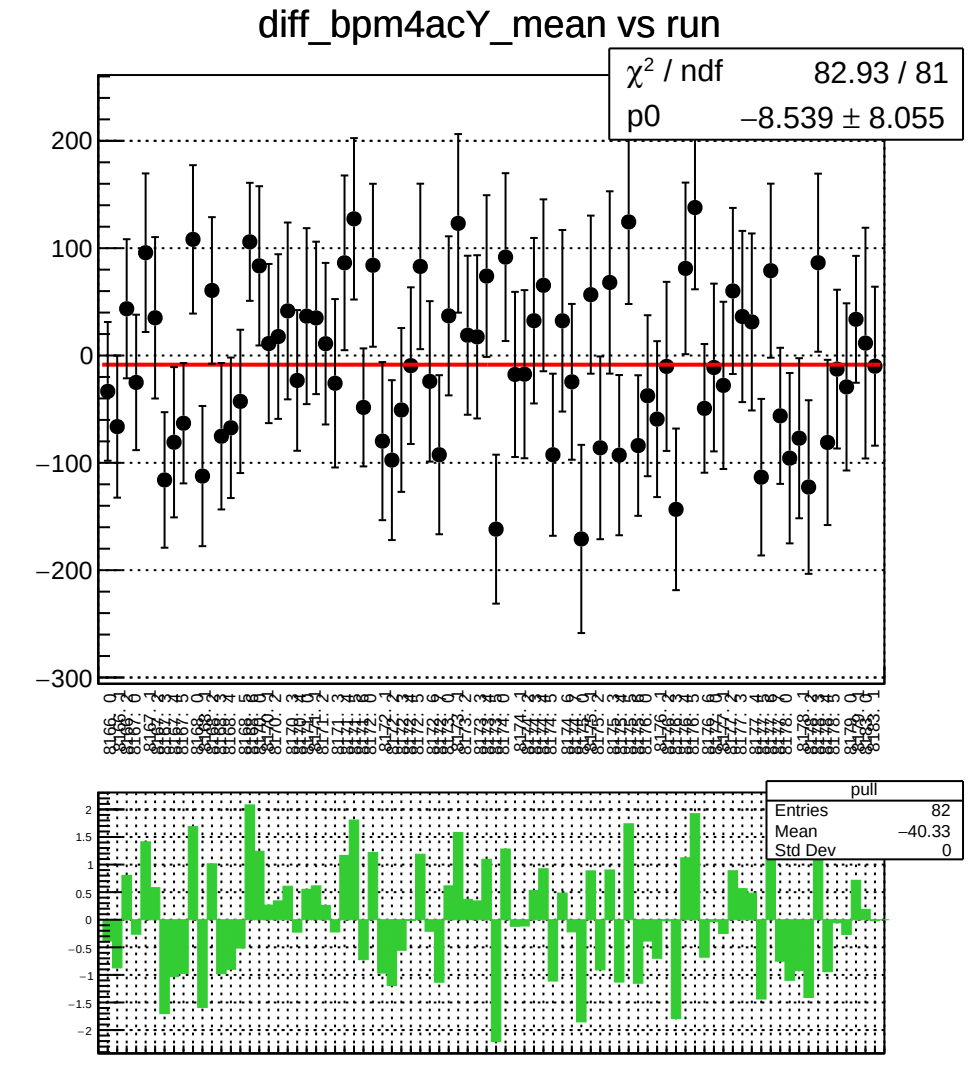

pull1D
Entries 82
Mean 0.02126
Std Dev 1.004

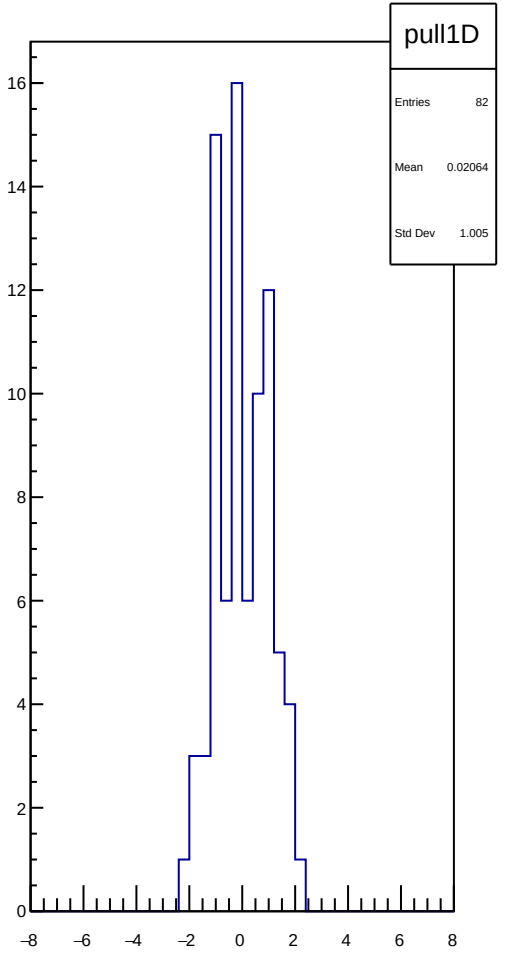

diff_bpm4eY_rms vs run
χ^2 / ndf 1.209e+04 / 81
p0 6699 ± 5.345
10000
9000
8000
7000
6000

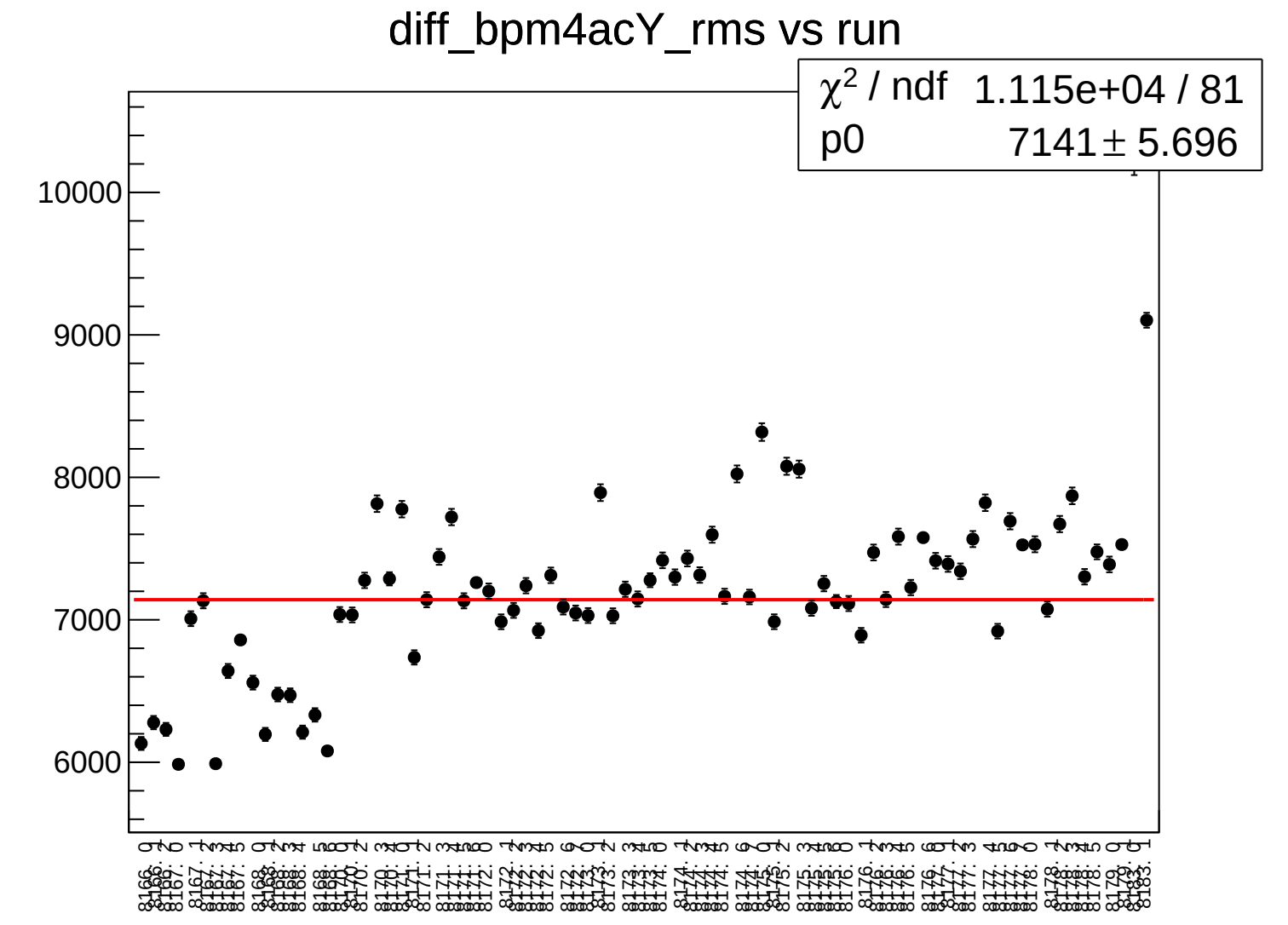

diff_bpm4acX_mean vs run
χ² / ndf 88.79 / 81
p0 −28.22 ± 19.85
pull
Entries 82
Mean 3.275e+04
Std Dev 0

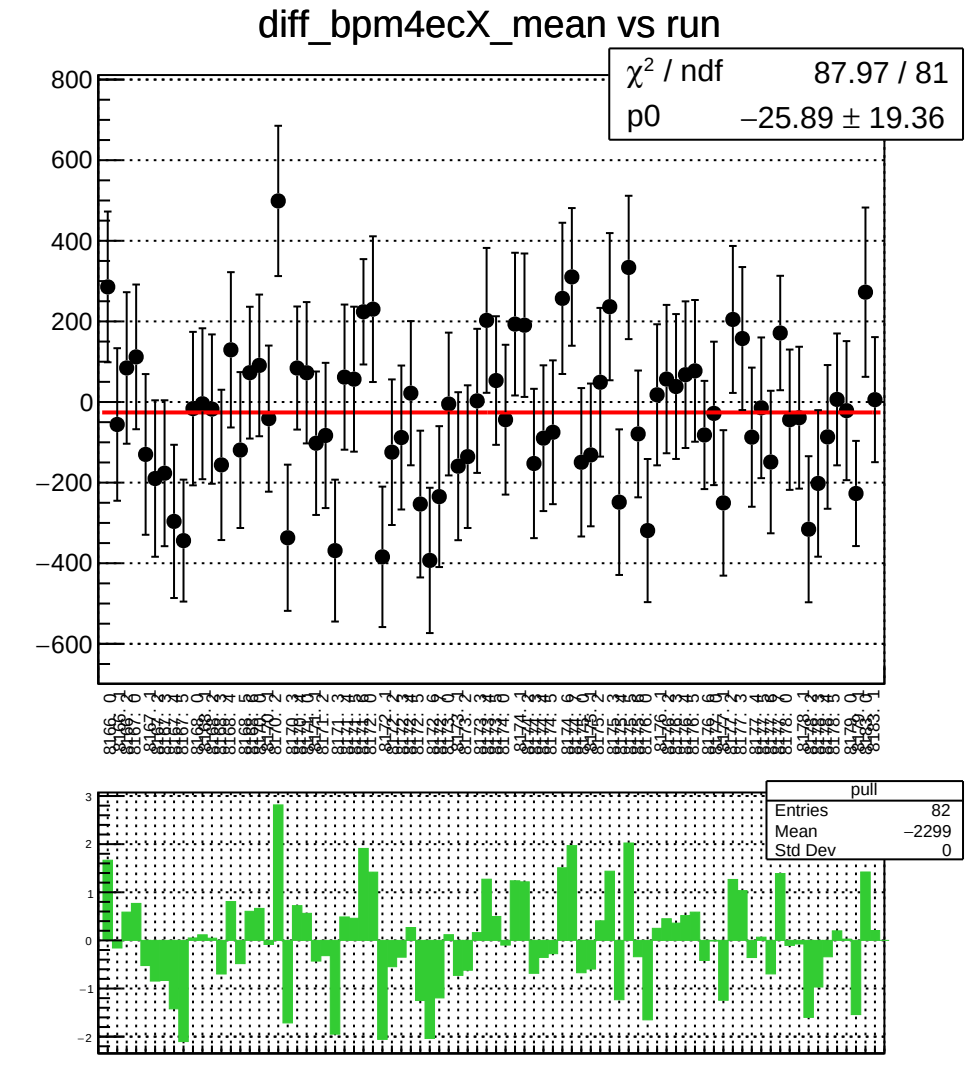

pull1D
Entries 82
Mean 2.051e−05
Std Dev 1.041

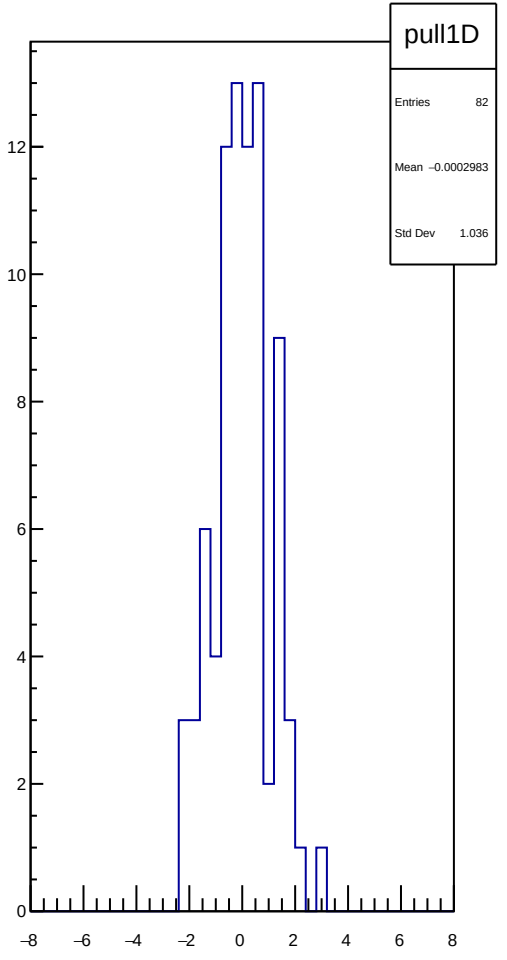

diff_bpm4acX_rms vs run
χ² / ndf 2118 / 81
p0 1.765e+04 ± 14.04
20500
20000
19500
19000
18500
18000
17500
17000
16500

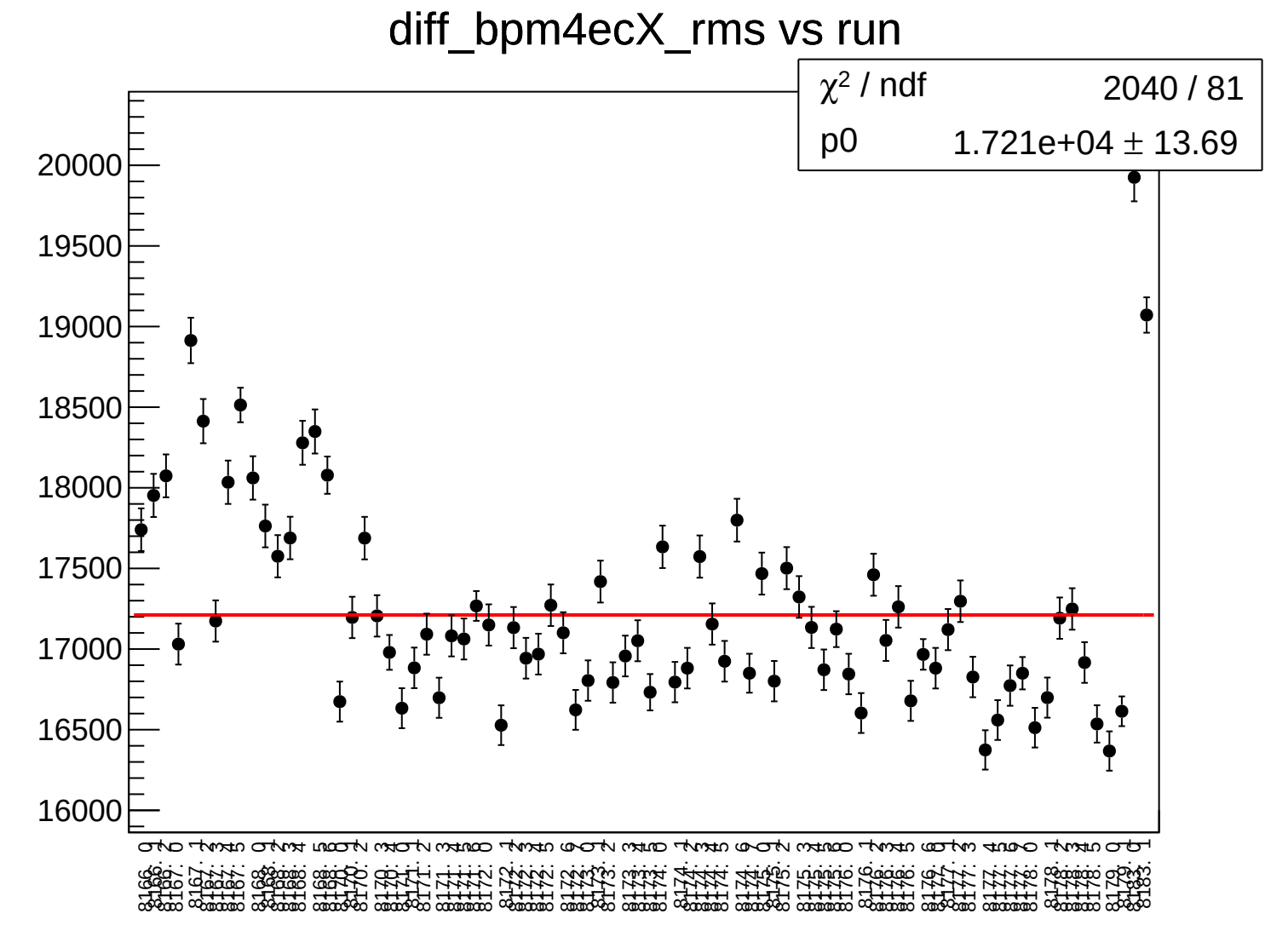

diff_bpm4acY_mean vs run
χ² / ndf 82.93 / 81
p0 −8.539 ± 8.055
pull
Entries 82
Mean −40.33
Std Dev 0

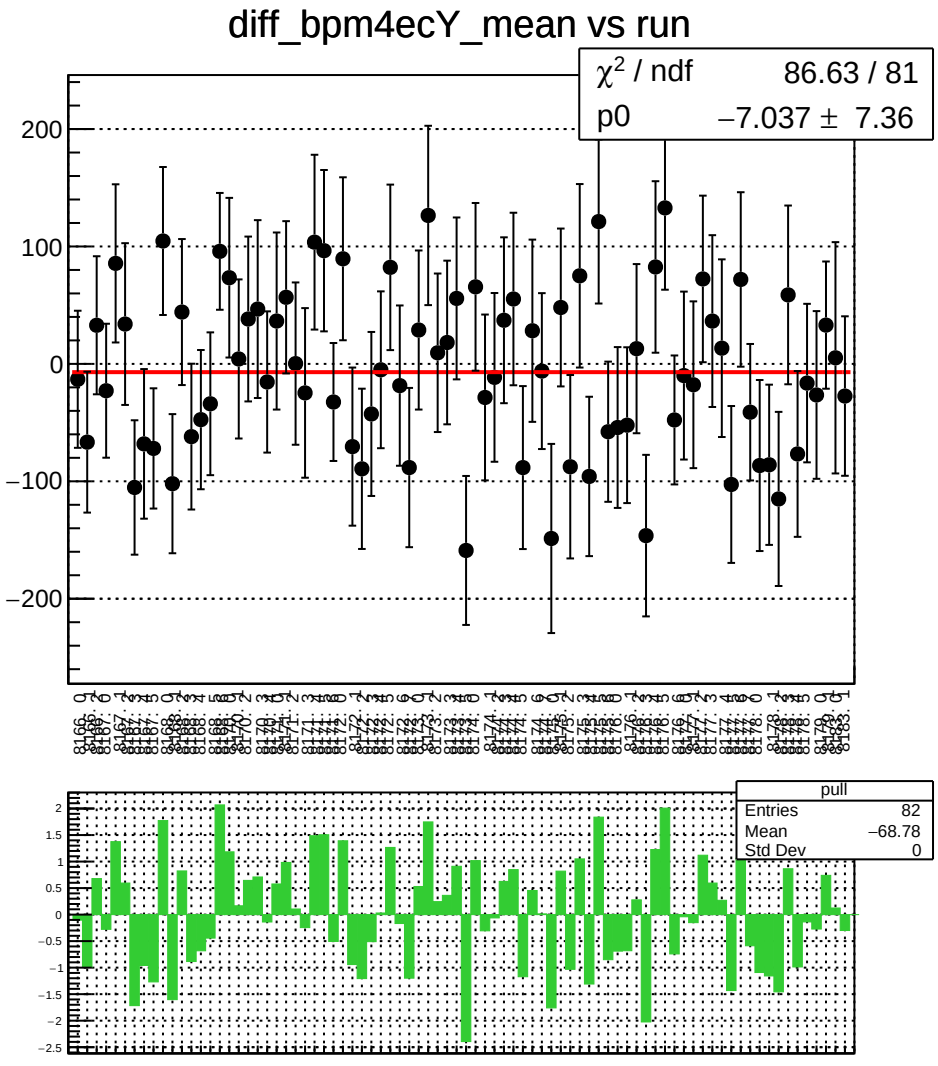

pull1D
Entries 82
Mean 0.02064
Std Dev 1.005

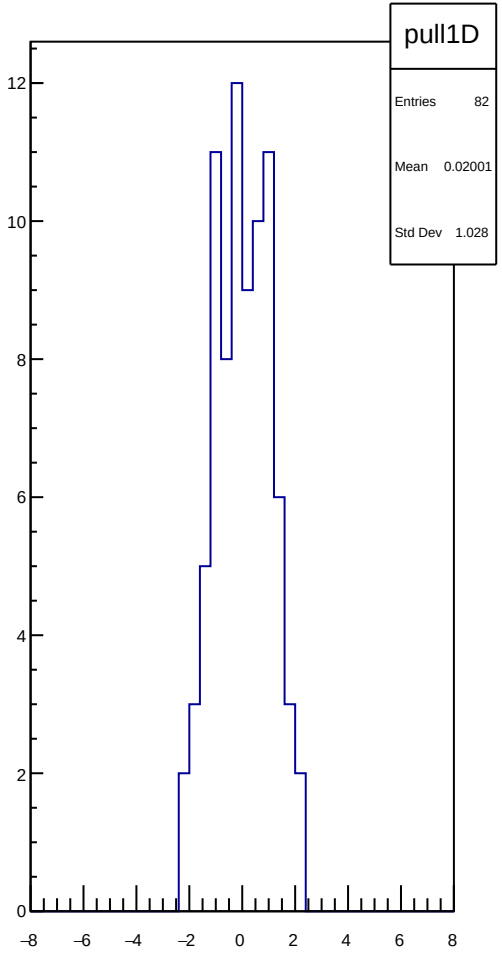

diff_bpm4acY_rms vs run
χ^2 / ndf 1.115e+04 / 81
p0 7141 ± 5.696
10000
9000
8000
7000
6000

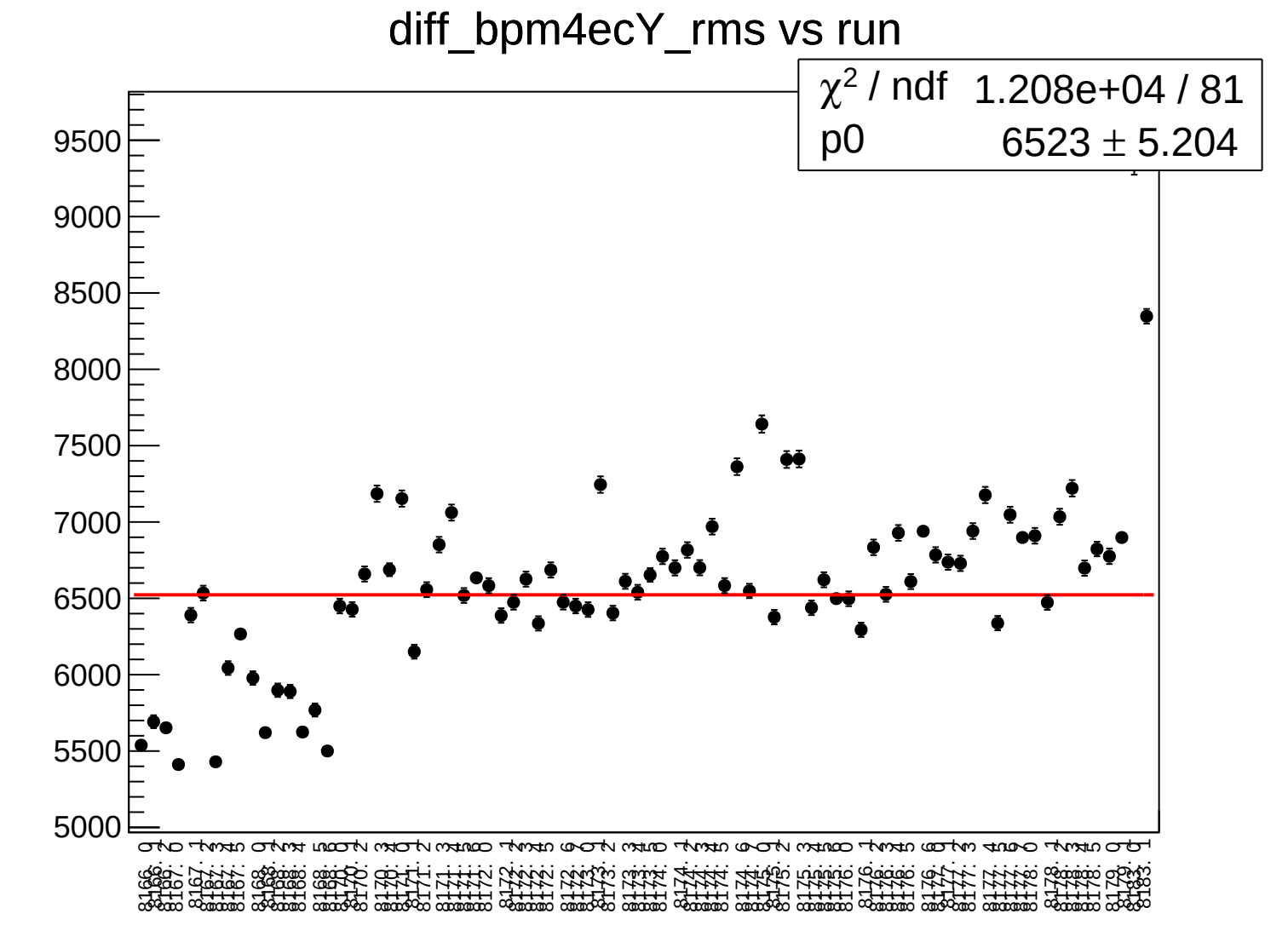

diff_bpm4ecX_mean vs run
χ² / ndf 87.97 / 81
p0 −25.89 ± 19.36
pull
Entries 82
Mean −2299
Std Dev 0

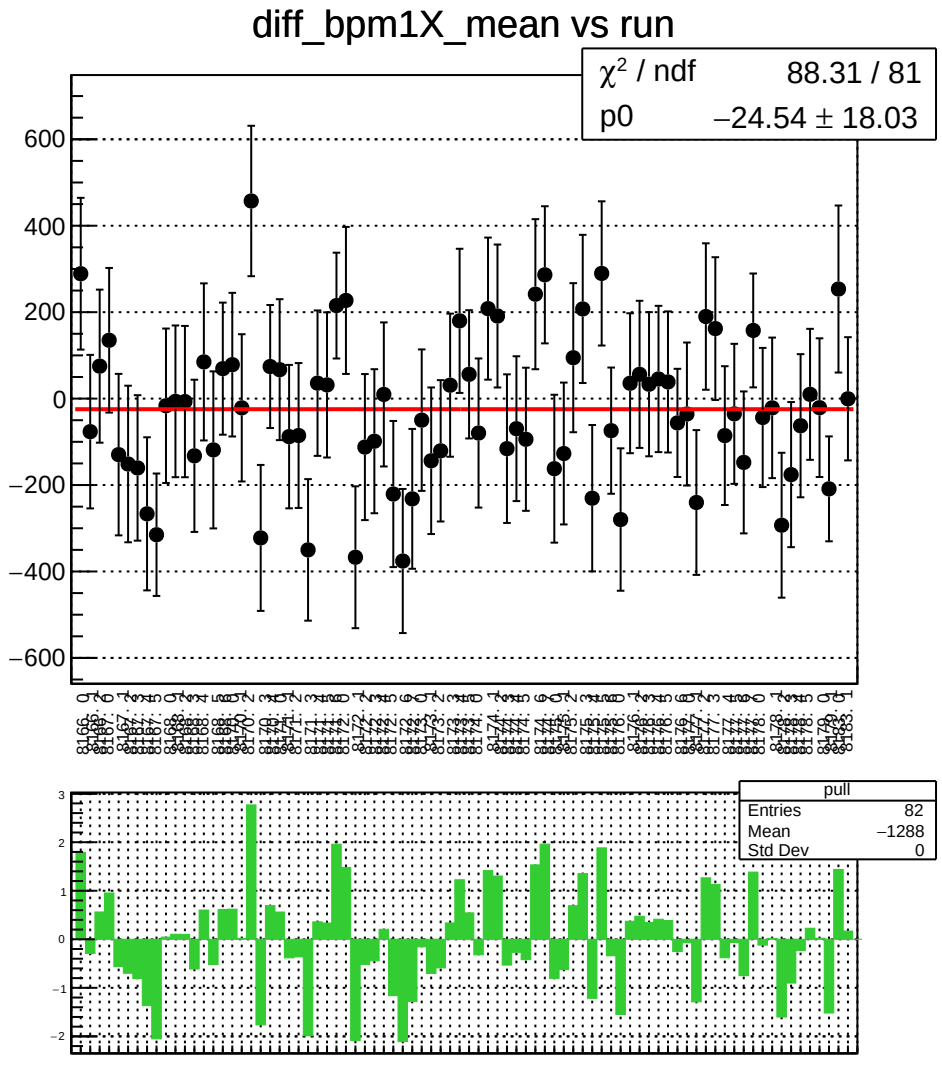

pull1D
Entries 82
Mean −0.0002983
Std Dev 1.036

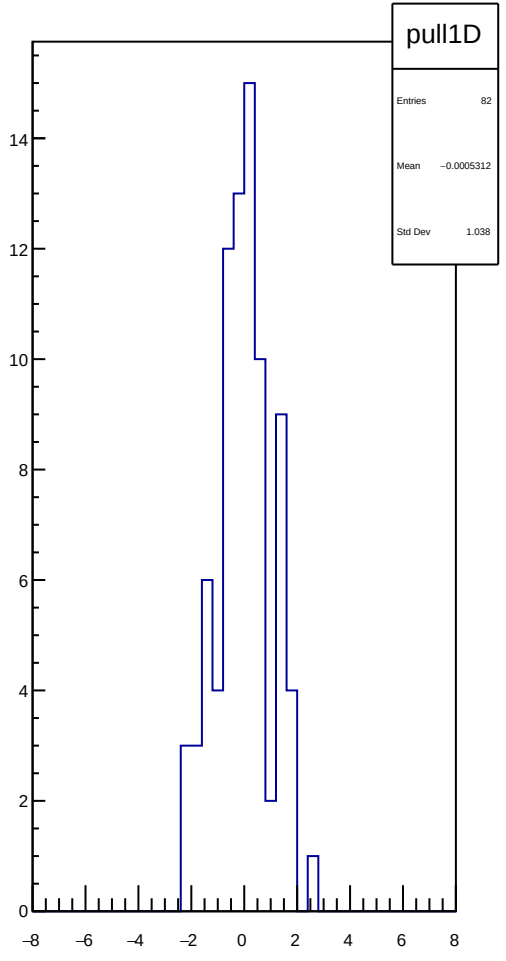

diff_bpm4ecX_rms vs run
χ² / ndf 2040 / 81
p0 1.721e+04 ± 13.69
20000
19500
19000
18500
18000
17500
17000
16500
16000


diff_bpm4ecY_mean vs run
χ^2 / ndf 86.63 / 81
p0 −7.037 ± 7.36
pull
Entries 82
Mean −68.78
Std Dev 0

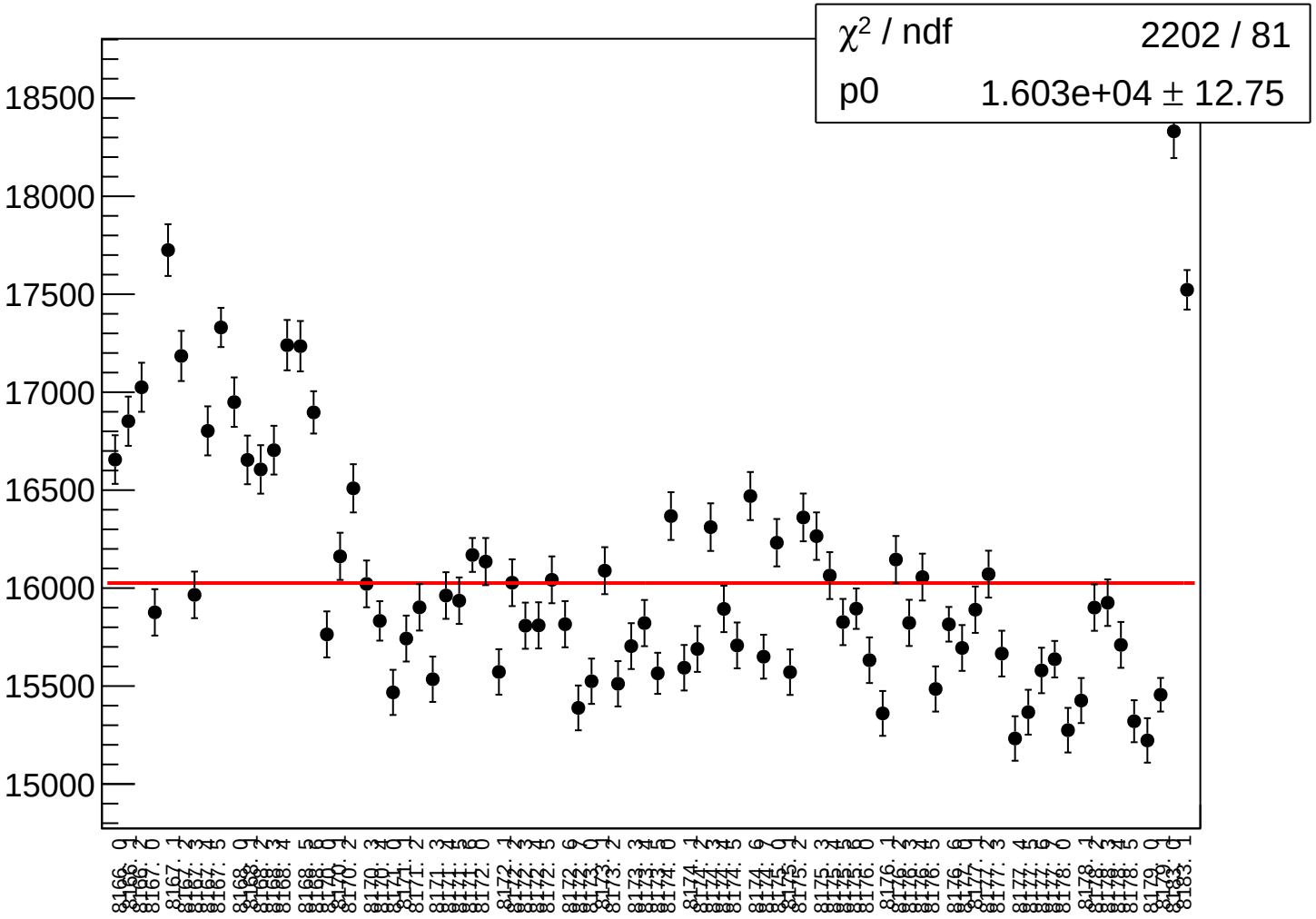

pull1D
Entries 82
Mean 0.02001
Std Dev 1.028

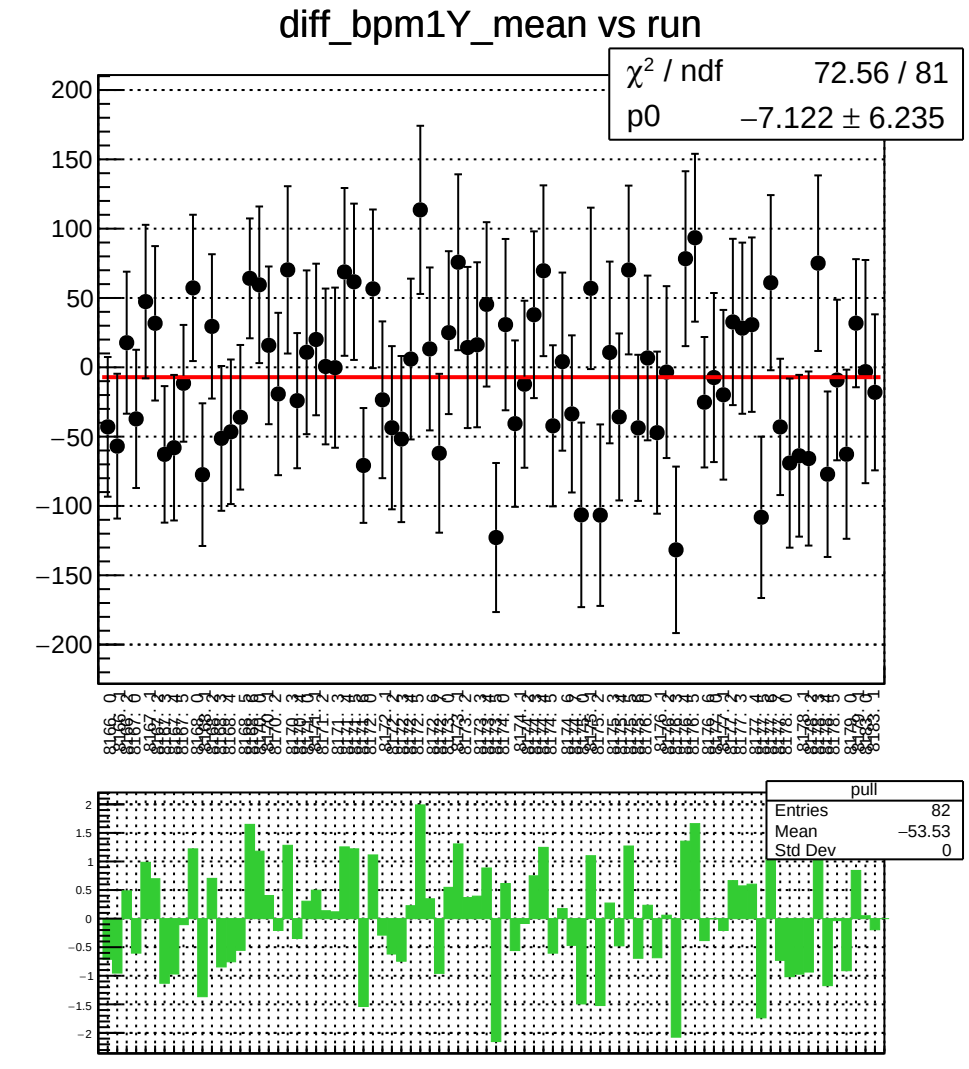

diff_bpm4ecY_rms vs run
χ^2 / ndf 1.208e+04 / 81
p0 6523 ± 5.204
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

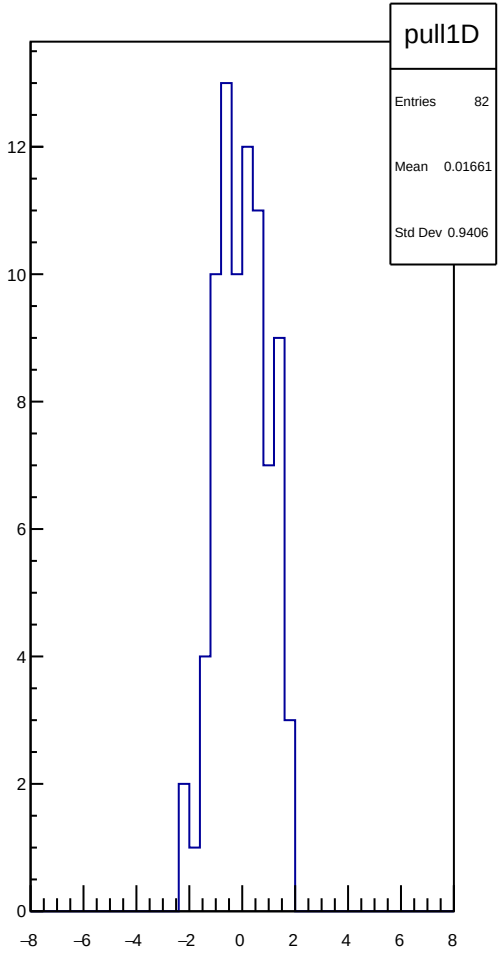

diff_bpm1X_mean vs run
χ² / ndf 88.31 / 81
p0 −24.54 ± 18.03
600
400
200
0
−200
−400
−600
pull
Entries 82
Mean −1288
Std Dev 0
3
2
1
0
−1
−2

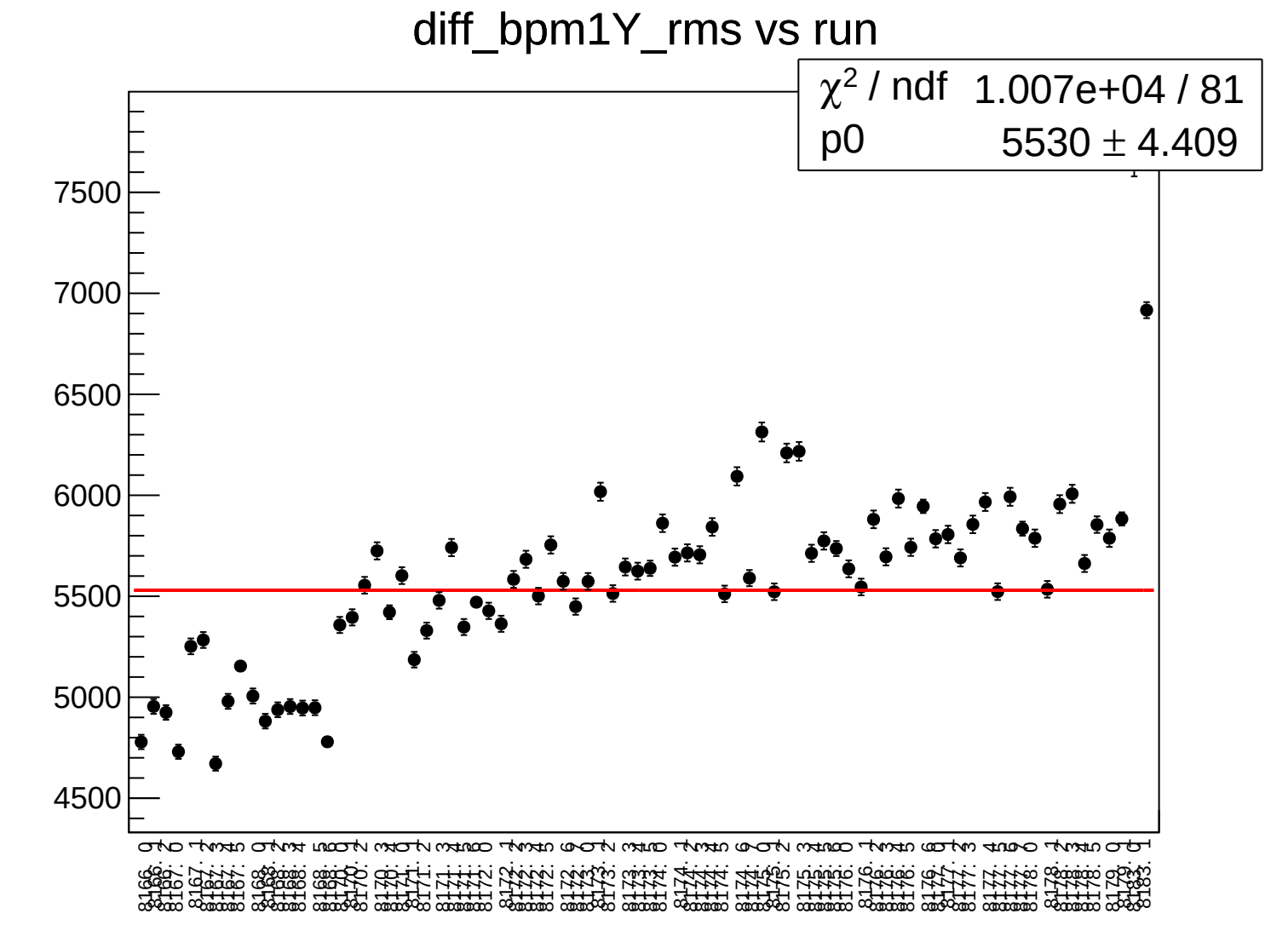

pull1D
Entries 82
Mean −0.0005312
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

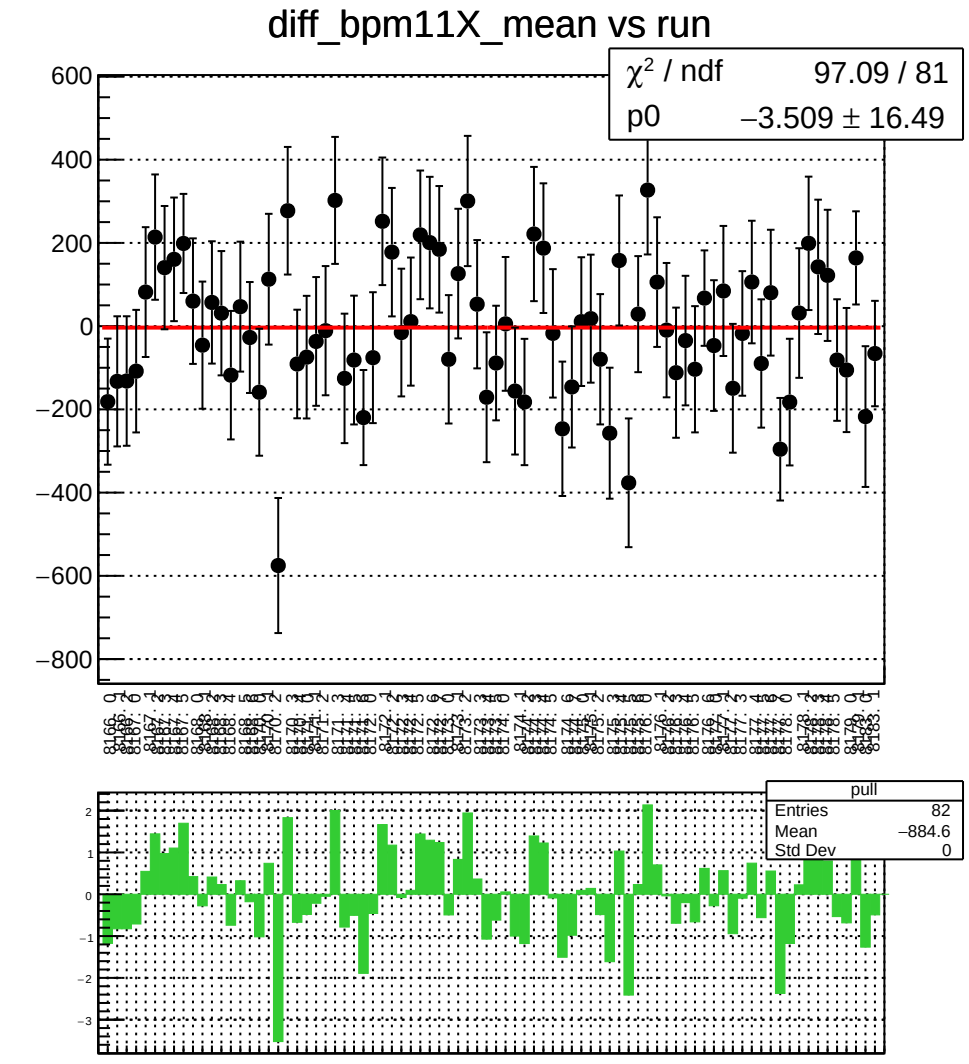
diff_bpm1X_rms vs run

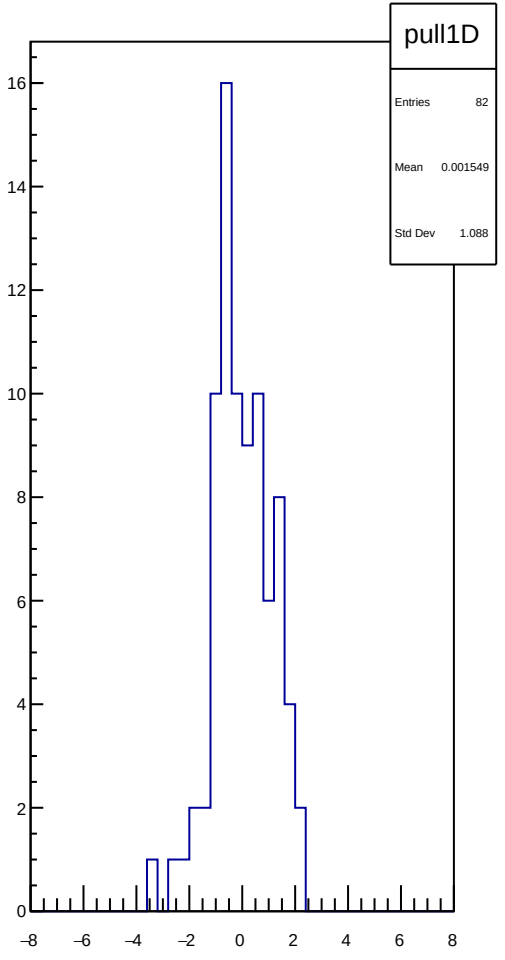


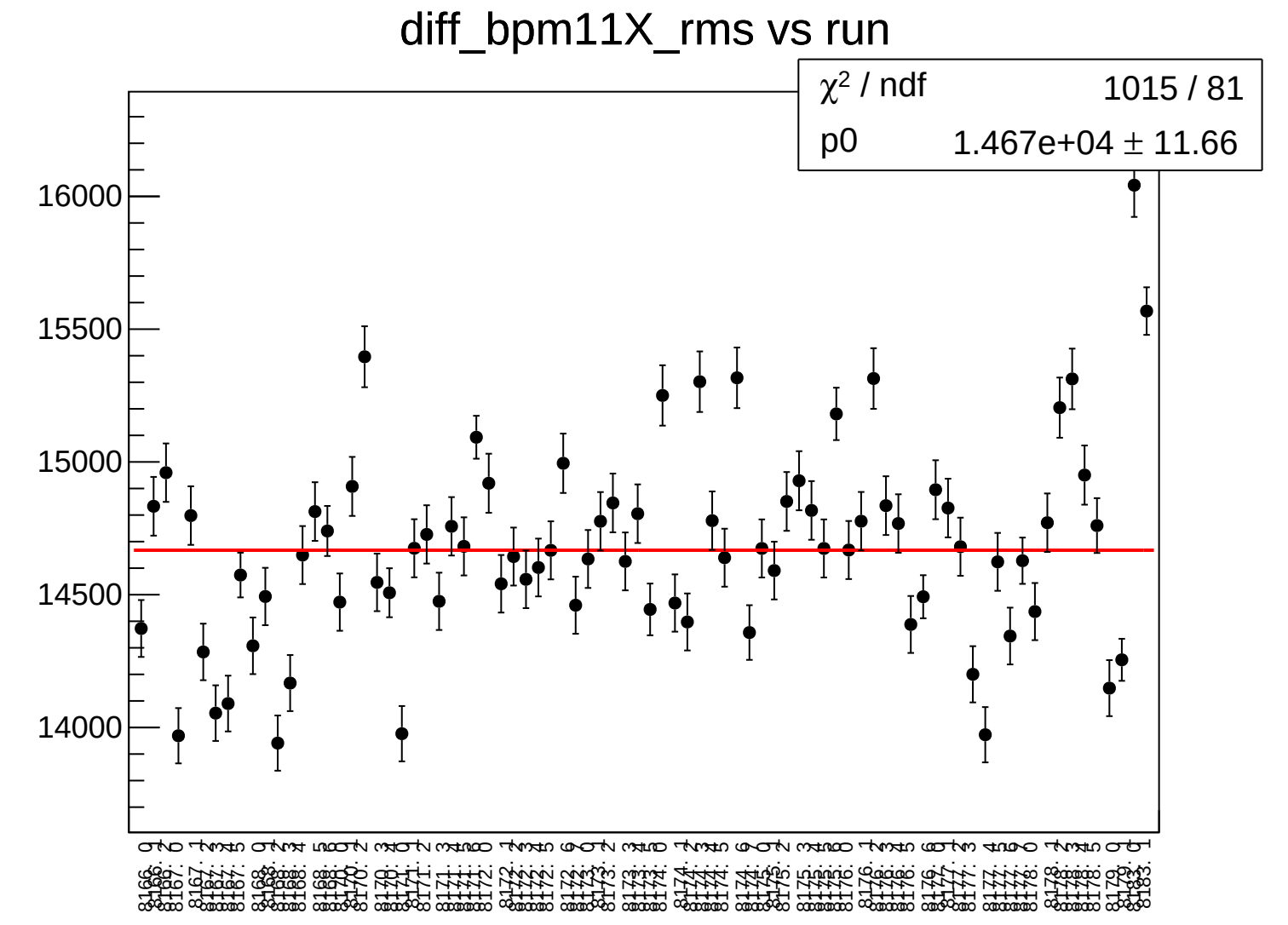

diff_bpm1Y_mean vs run
χ² / ndf 72.56 / 81
p0 −7.122 ± 6.235
pull
Entries 82
Mean −53.53
Std Dev 0

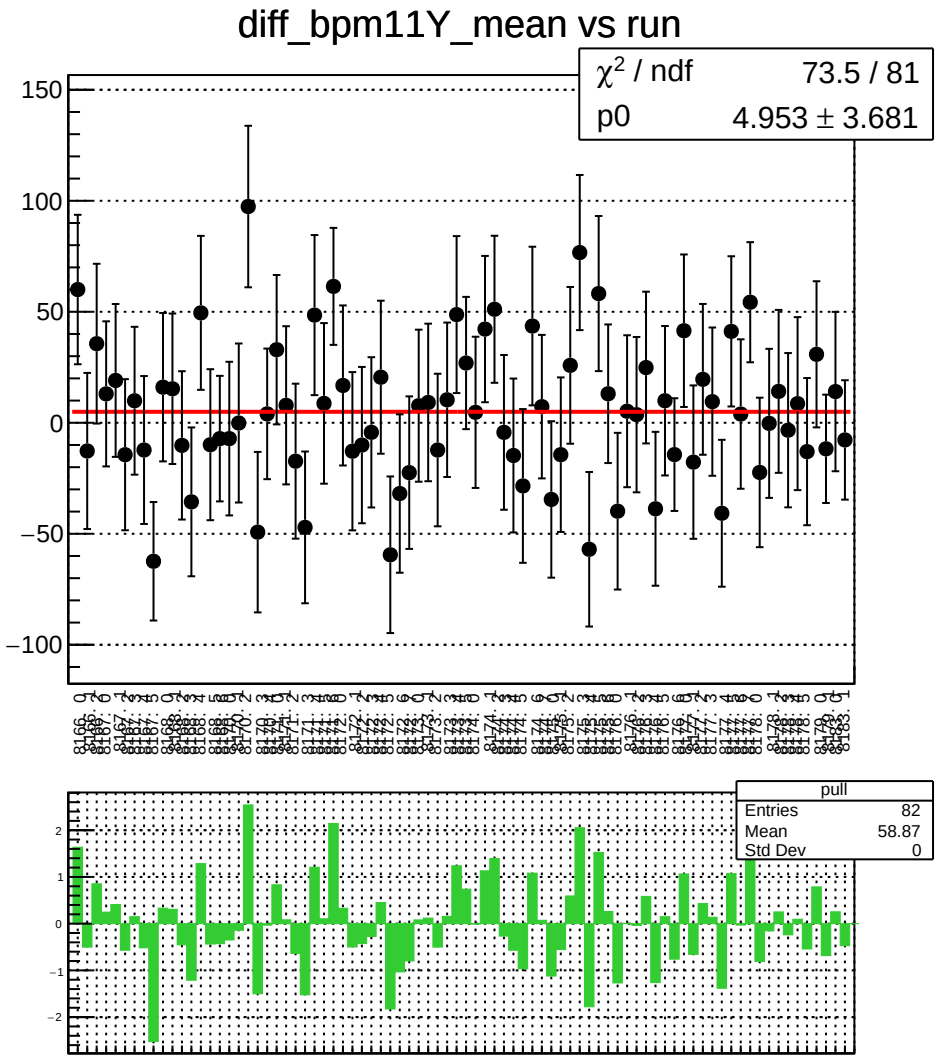

pull1D
Entries 82
Mean 0.01661
Std Dev 0.9406

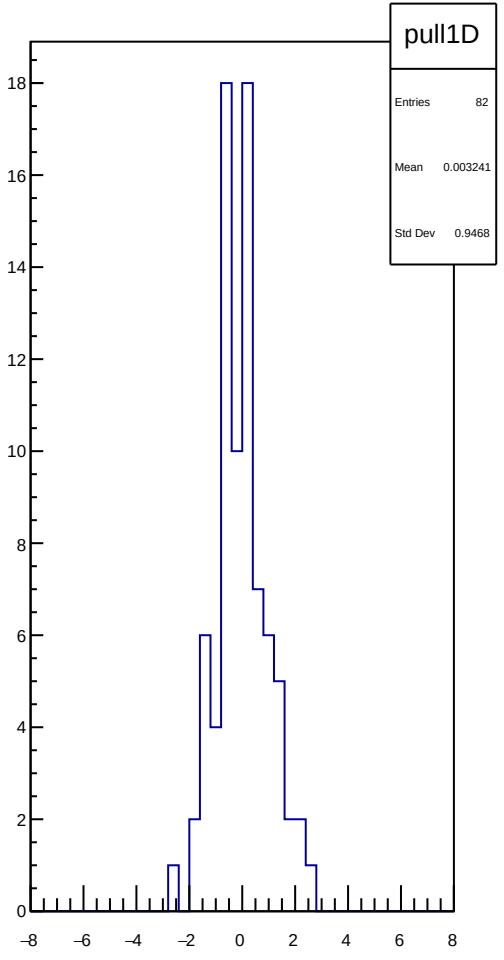

diff_bpm1Y_rms vs run
χ² / ndf 1.007e+04 / 81
p0 5530 ± 4.409
7500
7000
6500
6000
5500
5000
4500

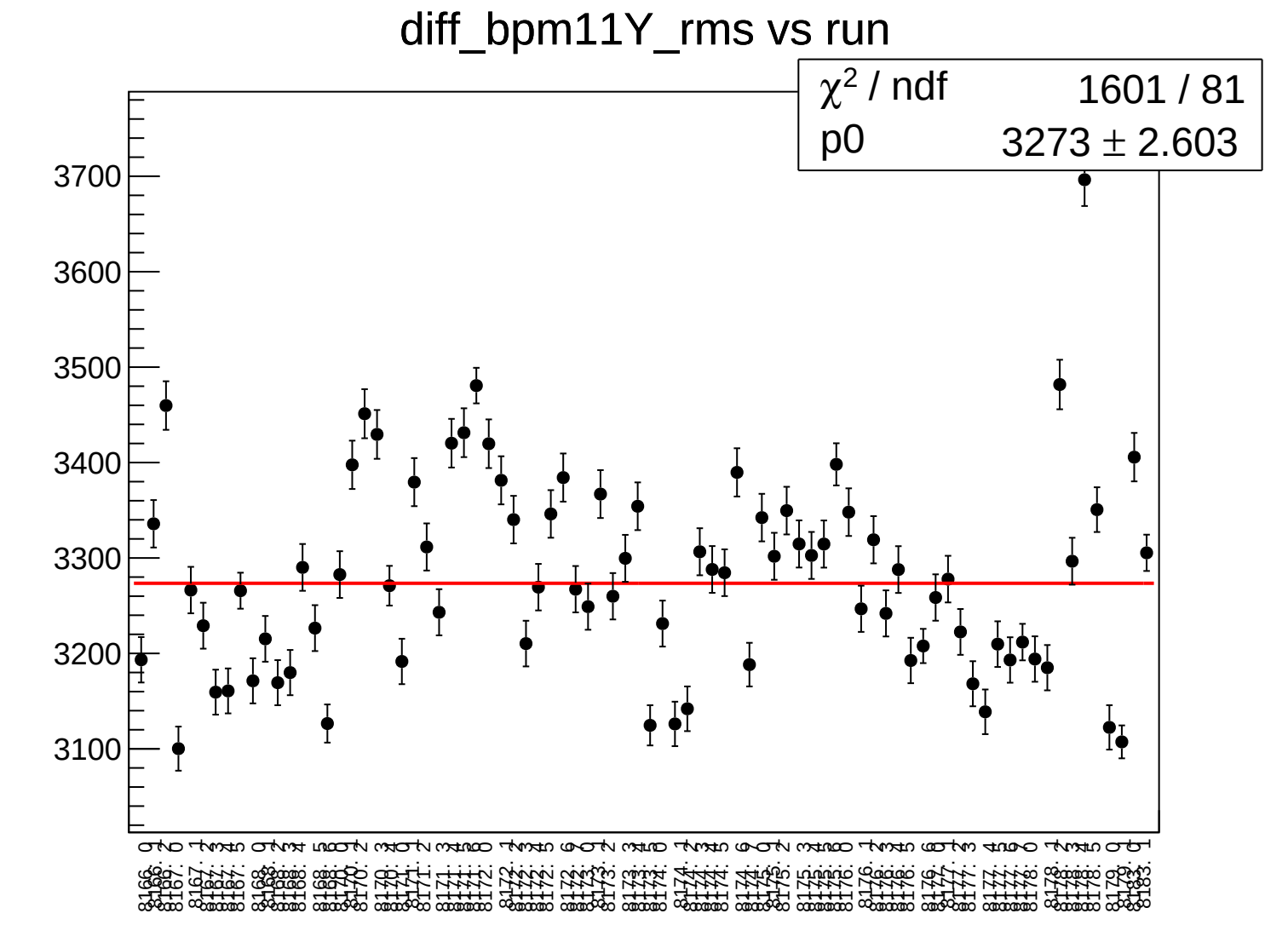

diff_bpm11X_mean vs run
χ² / ndf 97.09 / 81
p0 −3.509 ± 16.49
pull
Entries 82
Mean −884.6
Std Dev 0

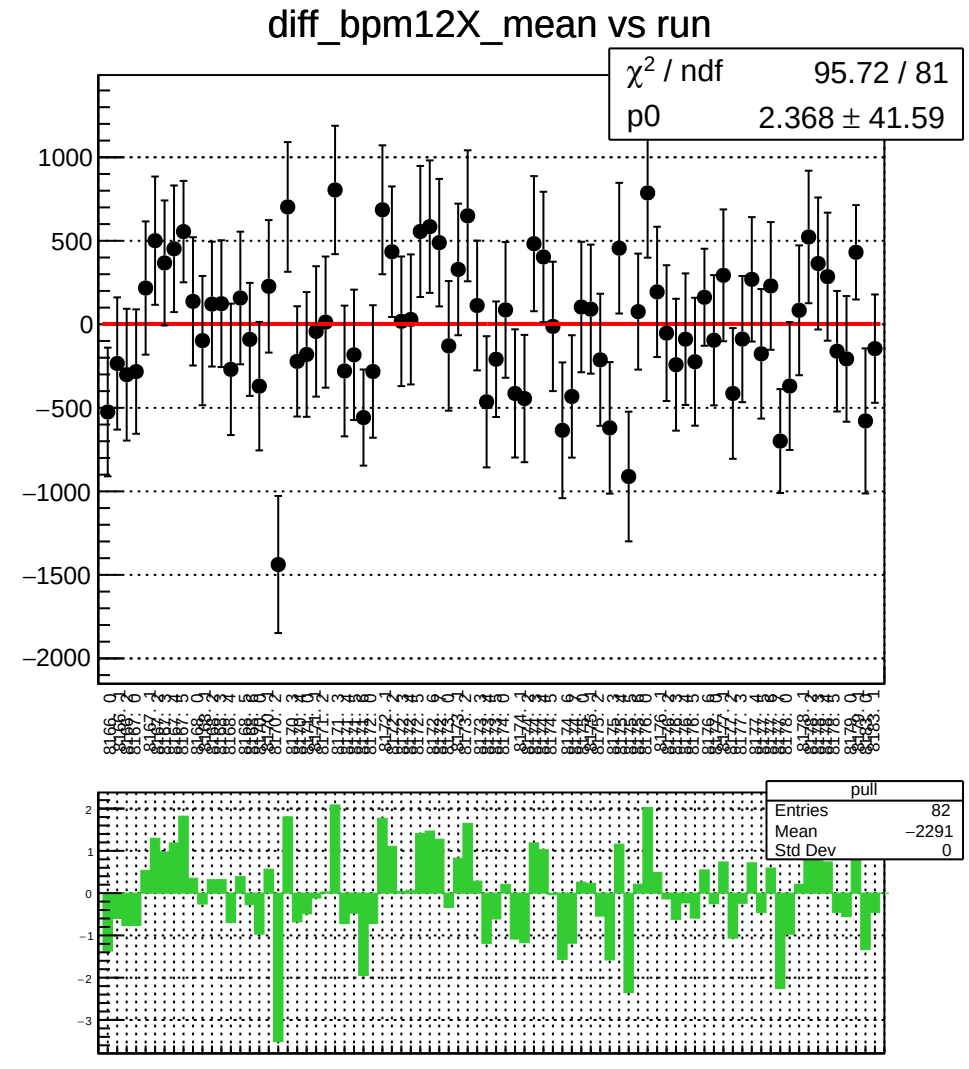

pull1D
Entries 82
Mean 0.001549
Std Dev 1.088

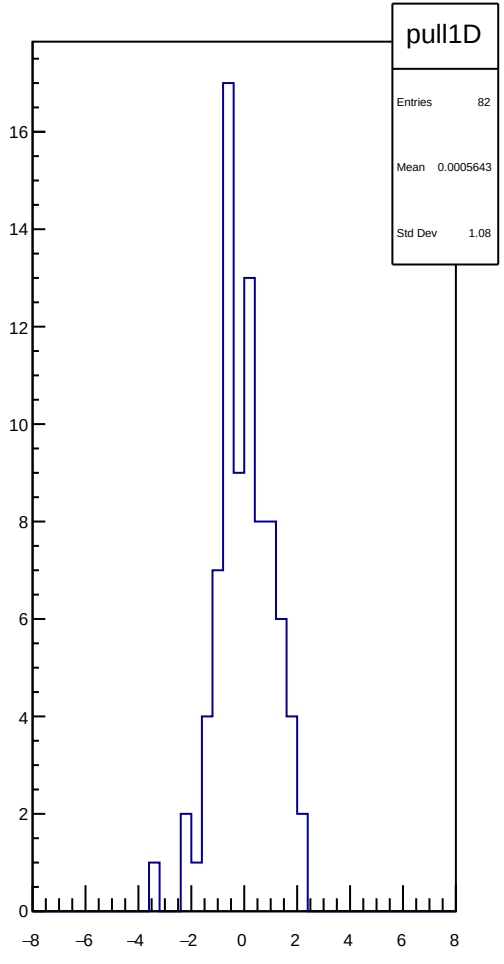

diff_bpm11X_rms vs run
χ² / ndf 1015 / 81
p0 1.467e+04 ± 11.66
16000
15500
15000
14500
14000

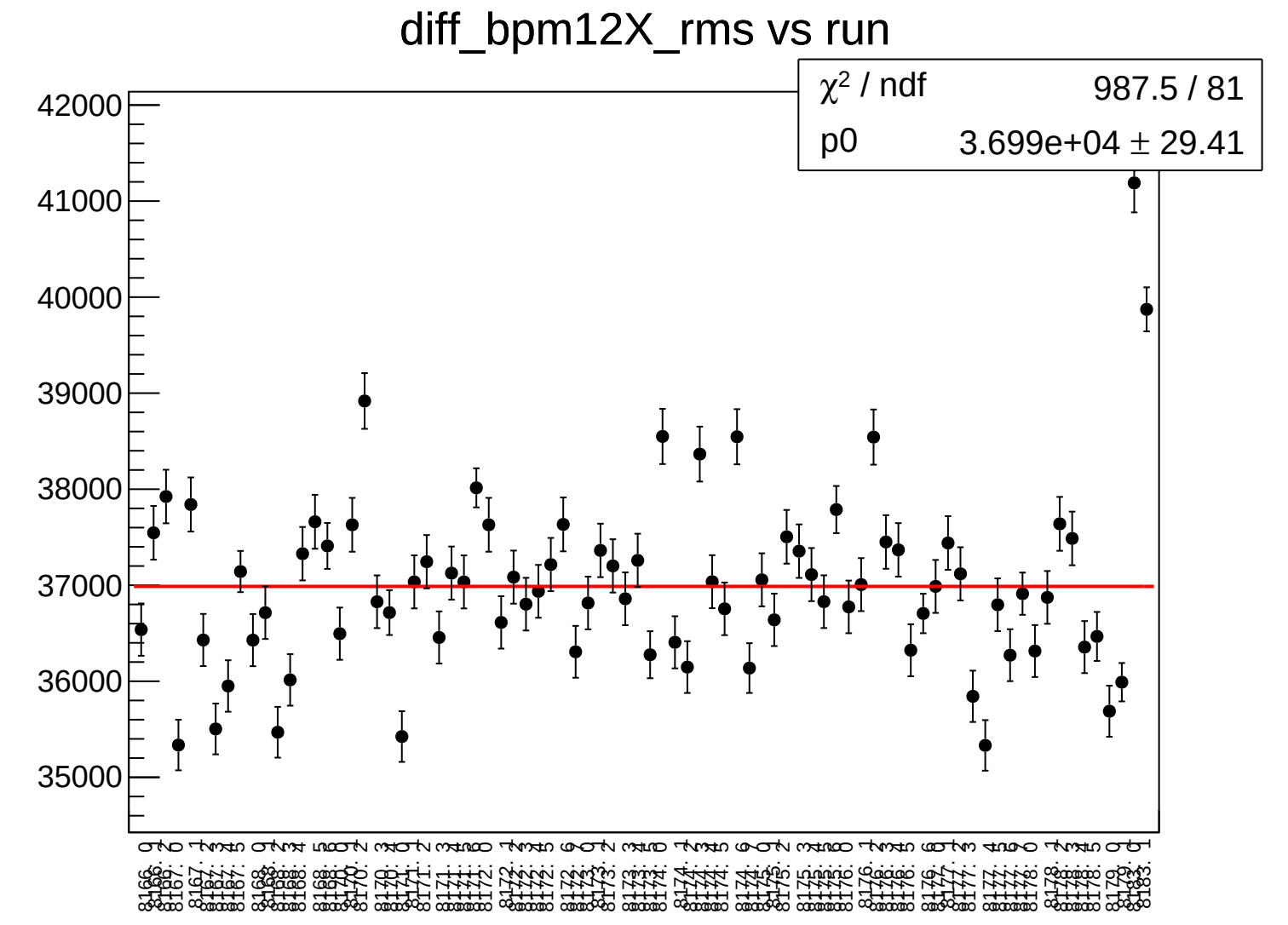

diff_bpm11Y_mean vs run
χ² / ndf 73.5 / 81
p0 4.953 ± 3.681
150
100
50
0
−50
−100
pull
Entries 82
Mean 58.87
Std Dev 0
2
1
0
−1
−2

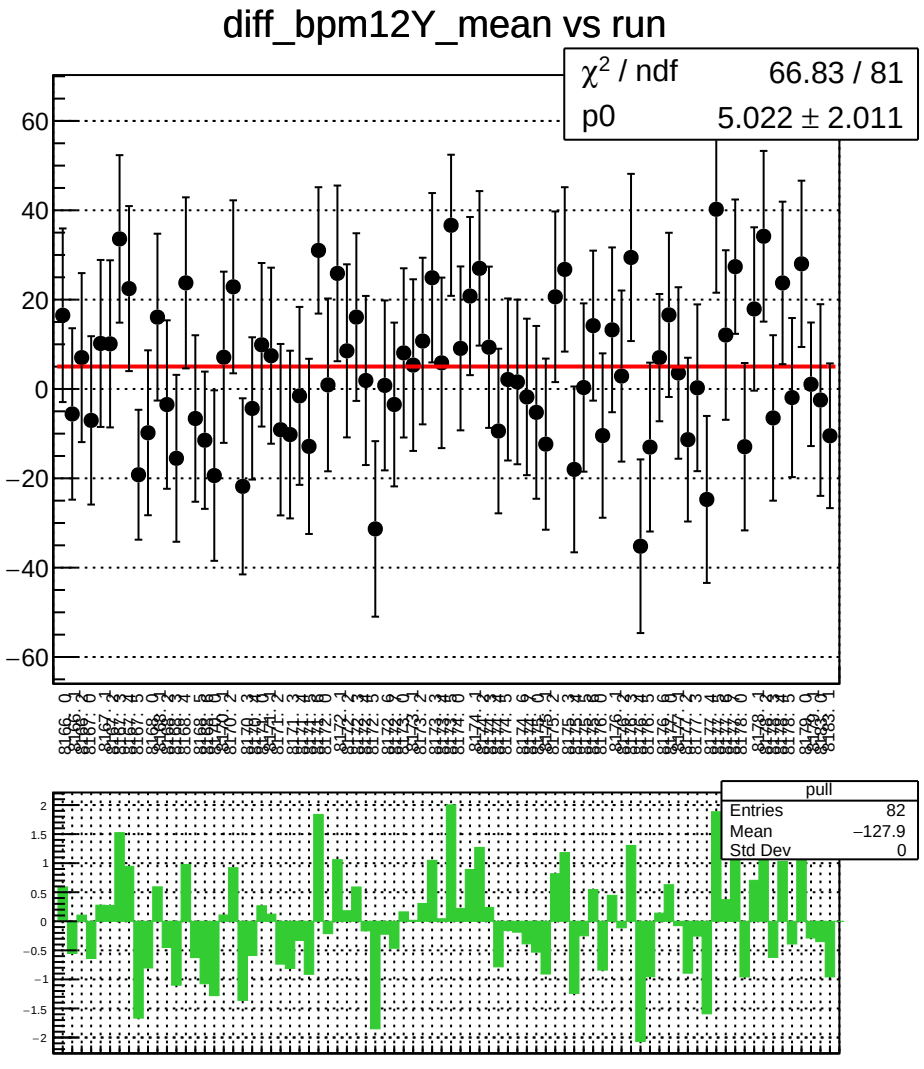

pull1D
Entries 82
Mean 0.003241
Std Dev 0.9468
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

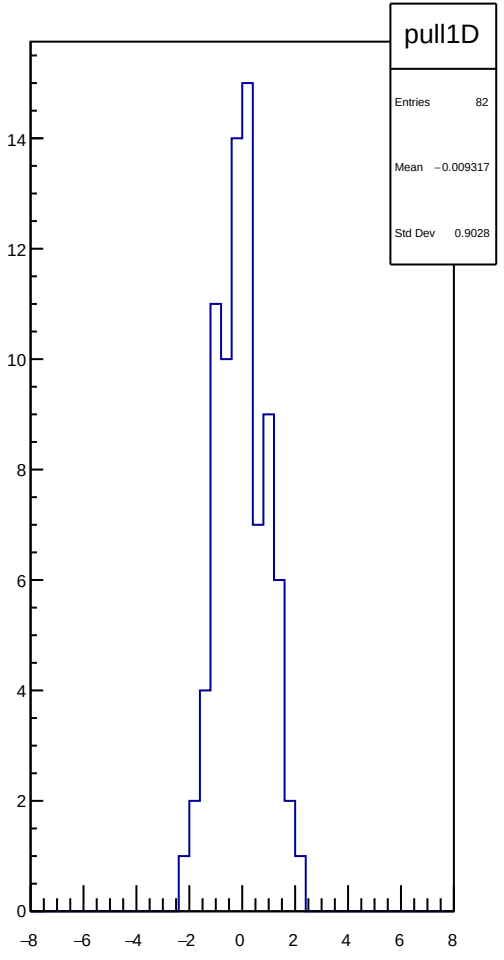

diff_bpm11Y_rms vs run
χ² / ndf 1601 / 81
p0 3273 ± 2.603
3700
3600
3500
3400
3300
3200
3100

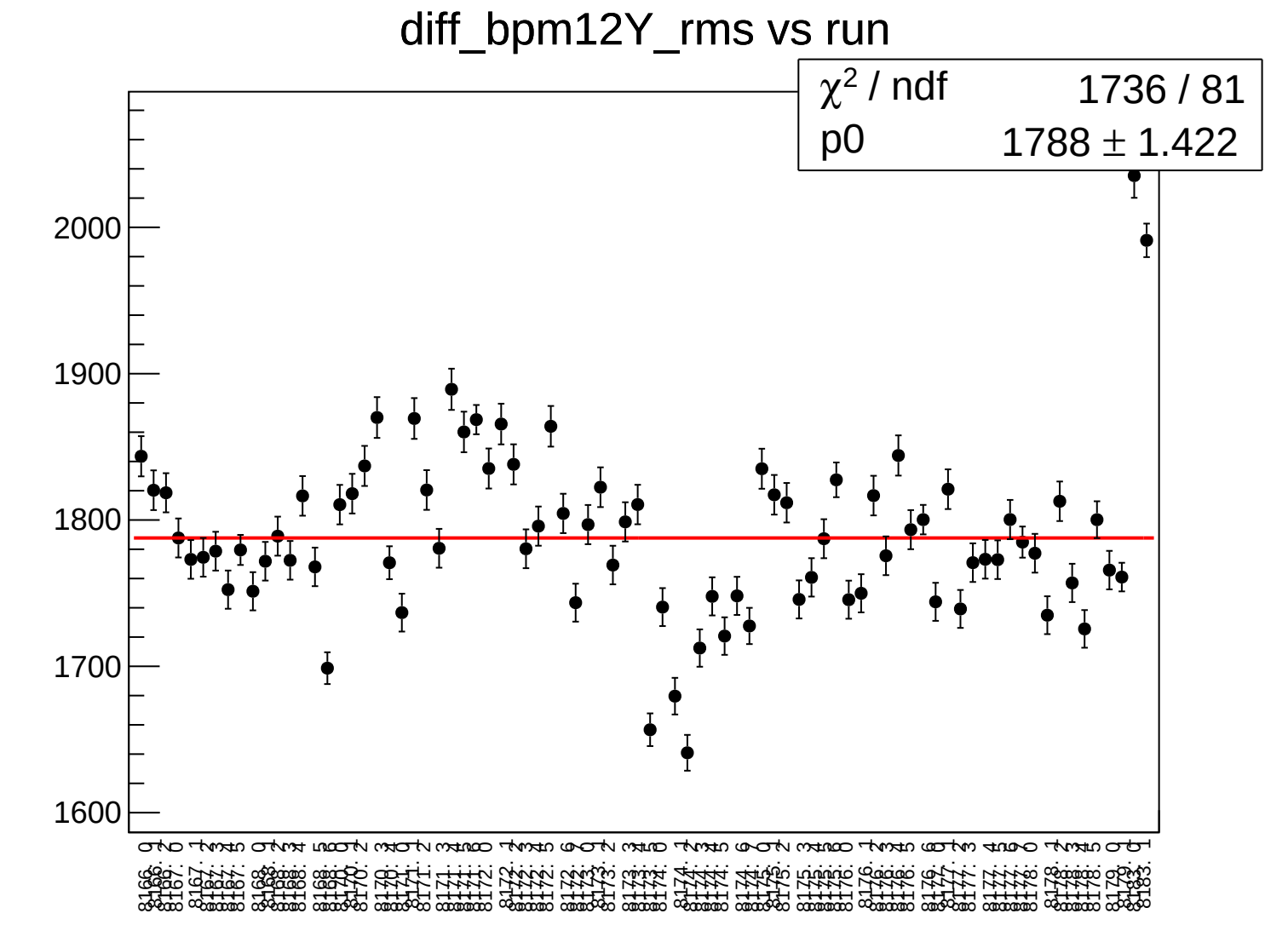

diff_bpm12X_mean vs run
χ² / ndf 95.72 / 81
p0 2.368 ± 41.59
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 82
Mean −2291
Std Dev 0
2
1
0
−1
−2
−3

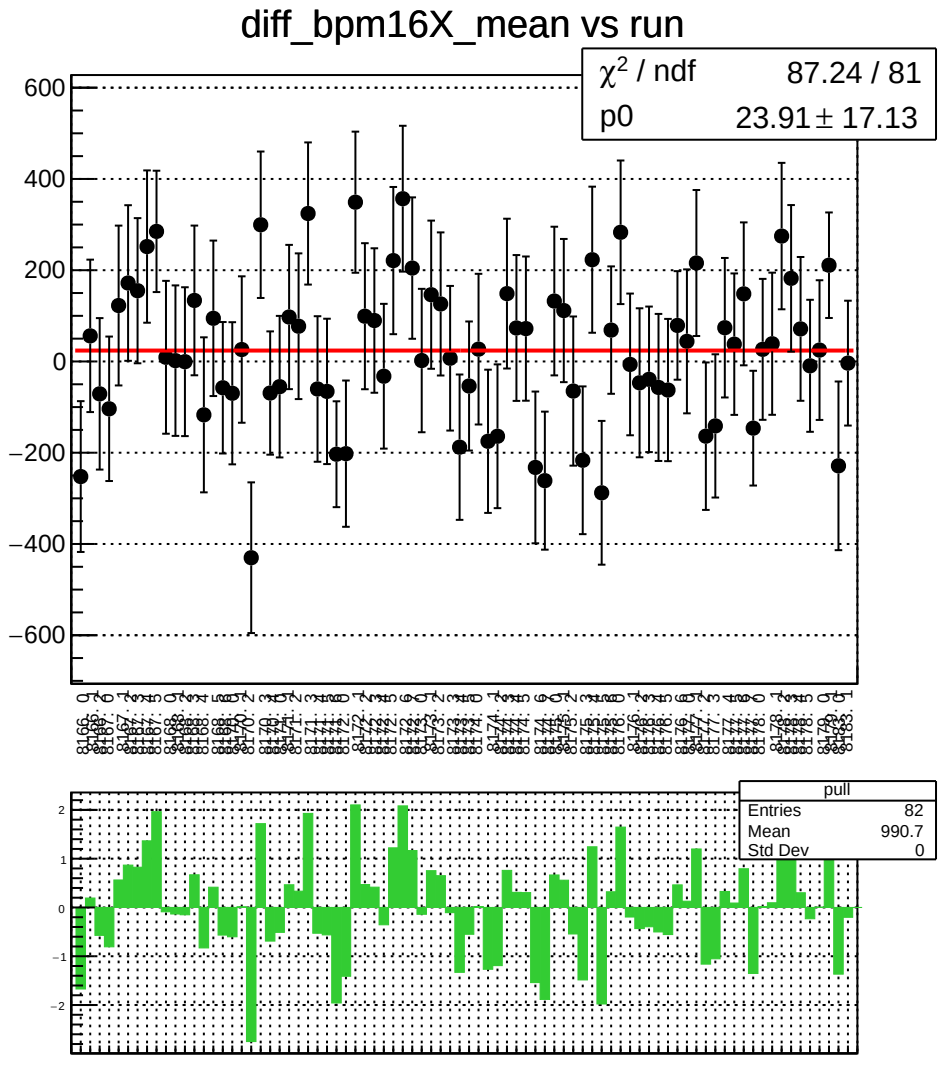

pull1D
Entries 82
Mean 0.0005643
Std Dev 1.08
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

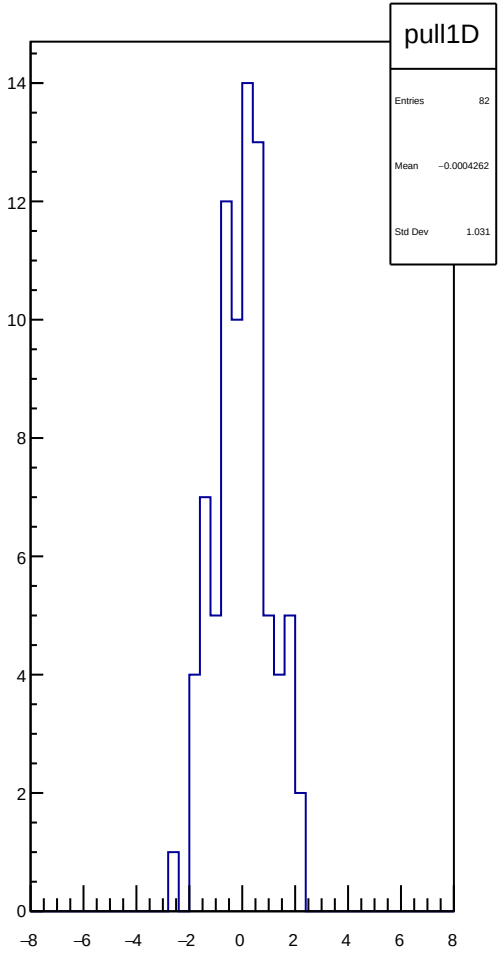

diff_bpm12X_rms vs run
χ² / ndf 987.5 / 81
p0 3.699e+04 ± 29.41
42000
41000
40000
39000
38000
37000
36000
35000


diff_bpm12Y_mean vs run
χ² / ndf 66.83 / 81
p0 5.022 ± 2.011
pull
Entries 82
Mean −127.9
Std Dev 0

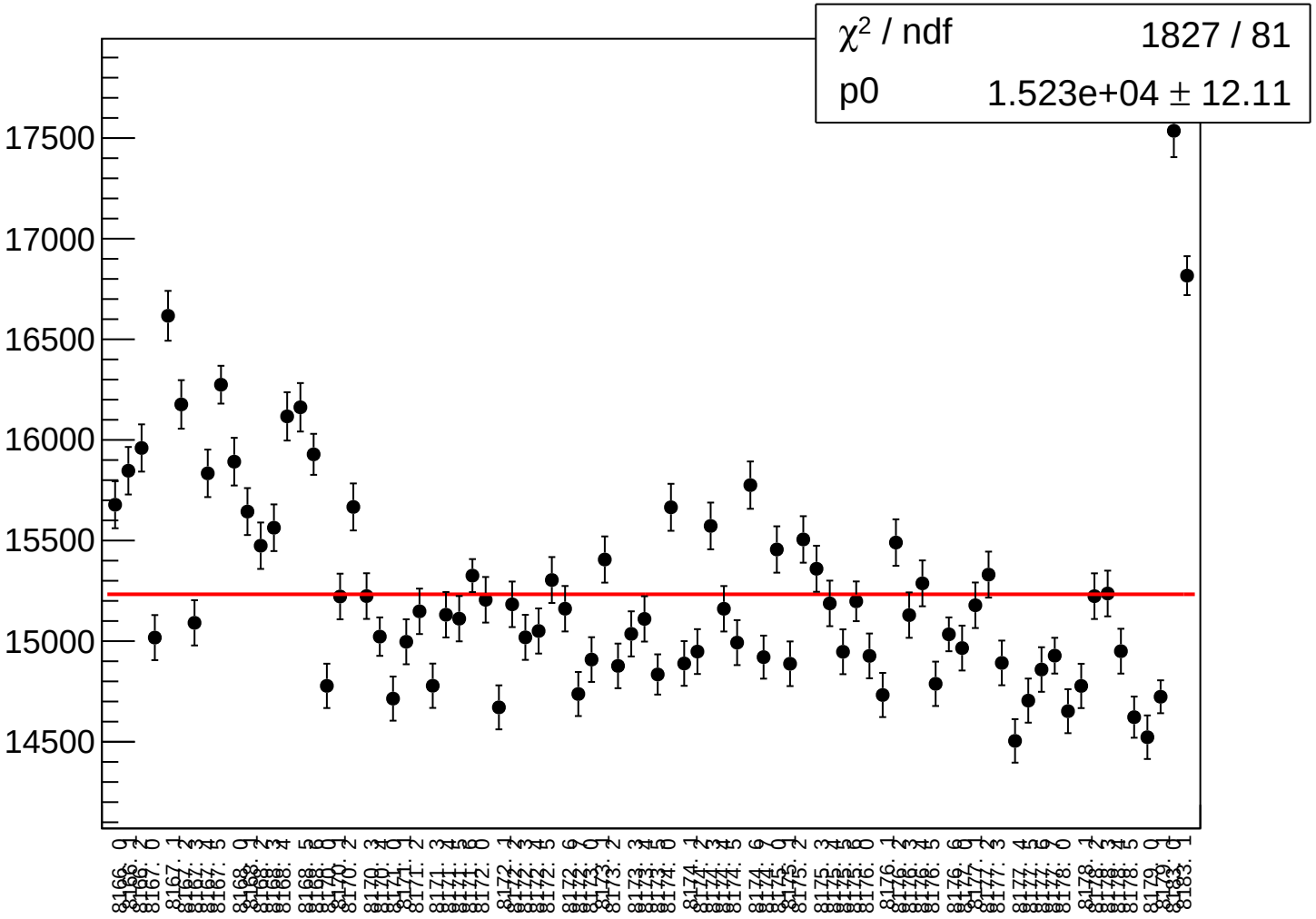

pull1D
Entries 82
Mean −0.009317
Std Dev 0.9028

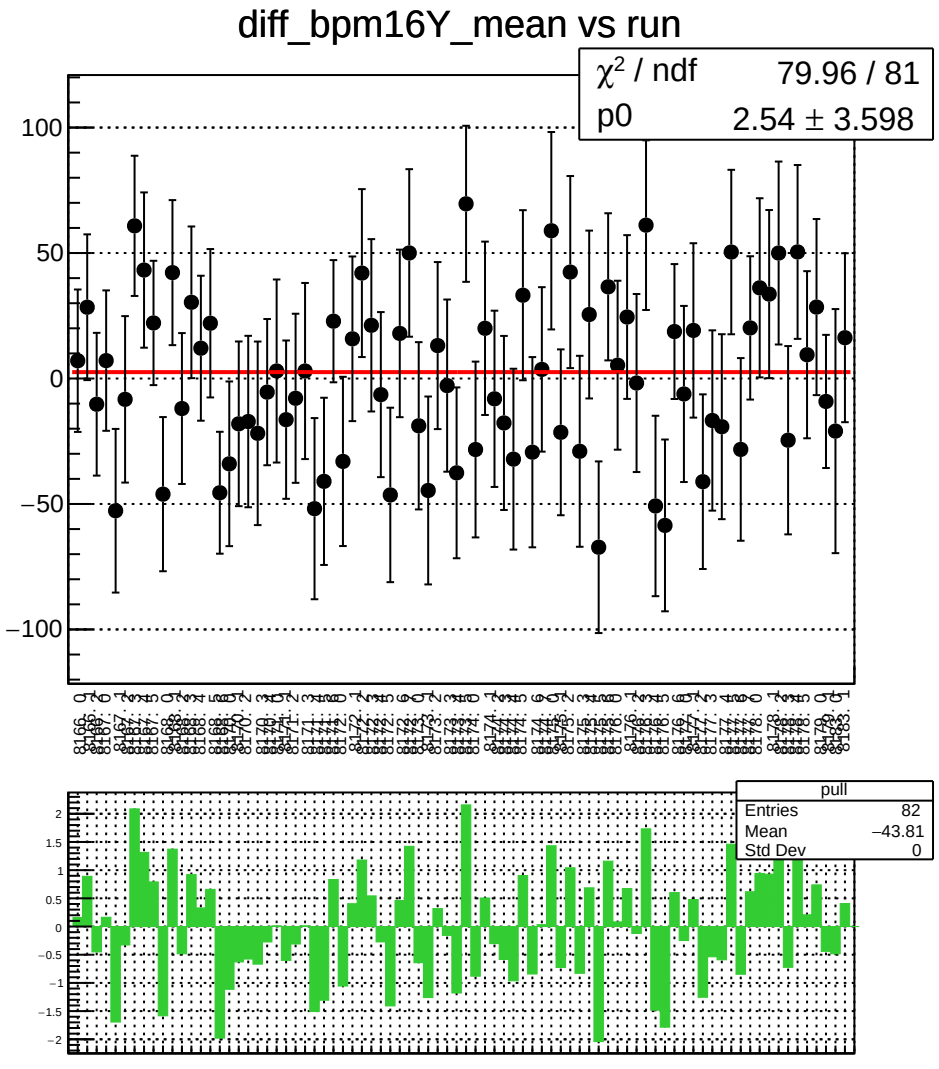

diff_bpm12Y_rms vs run
χ² / ndf 1736 / 81
p0 1788 ± 1.422
2000
1900
1800
1700
1600

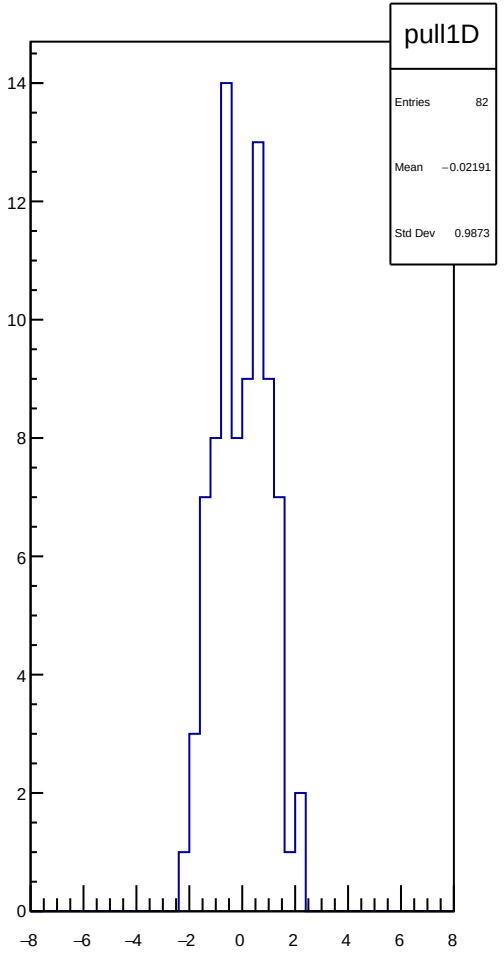

diff_bpm16X_mean vs run
χ² / ndf 87.24 / 81
p0 23.91 ± 17.13
pull
Entries 82
Mean 990.7
Std Dev 0

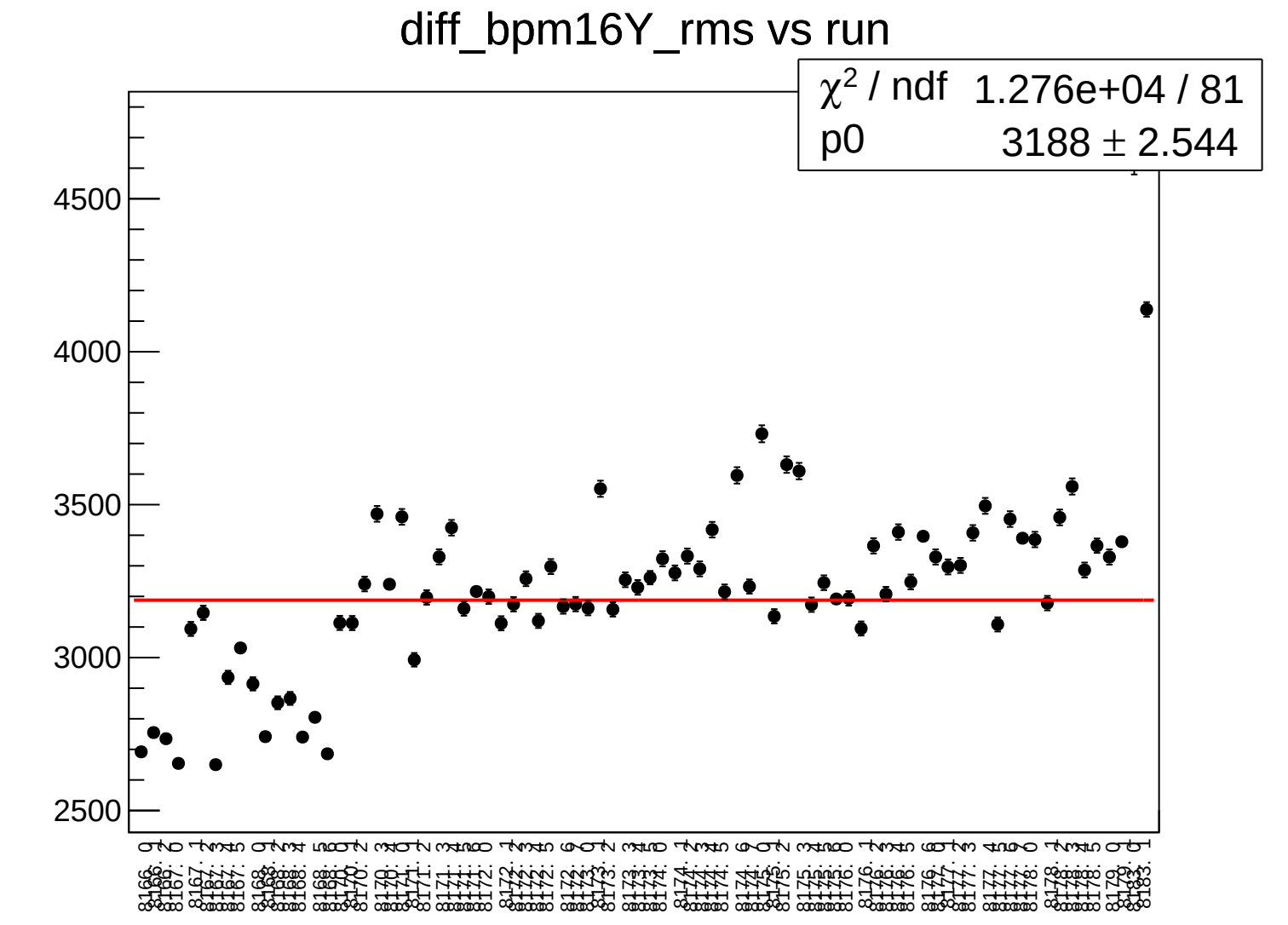

pull1D
Entries 82
Mean −0.0004262
Std Dev 1.031

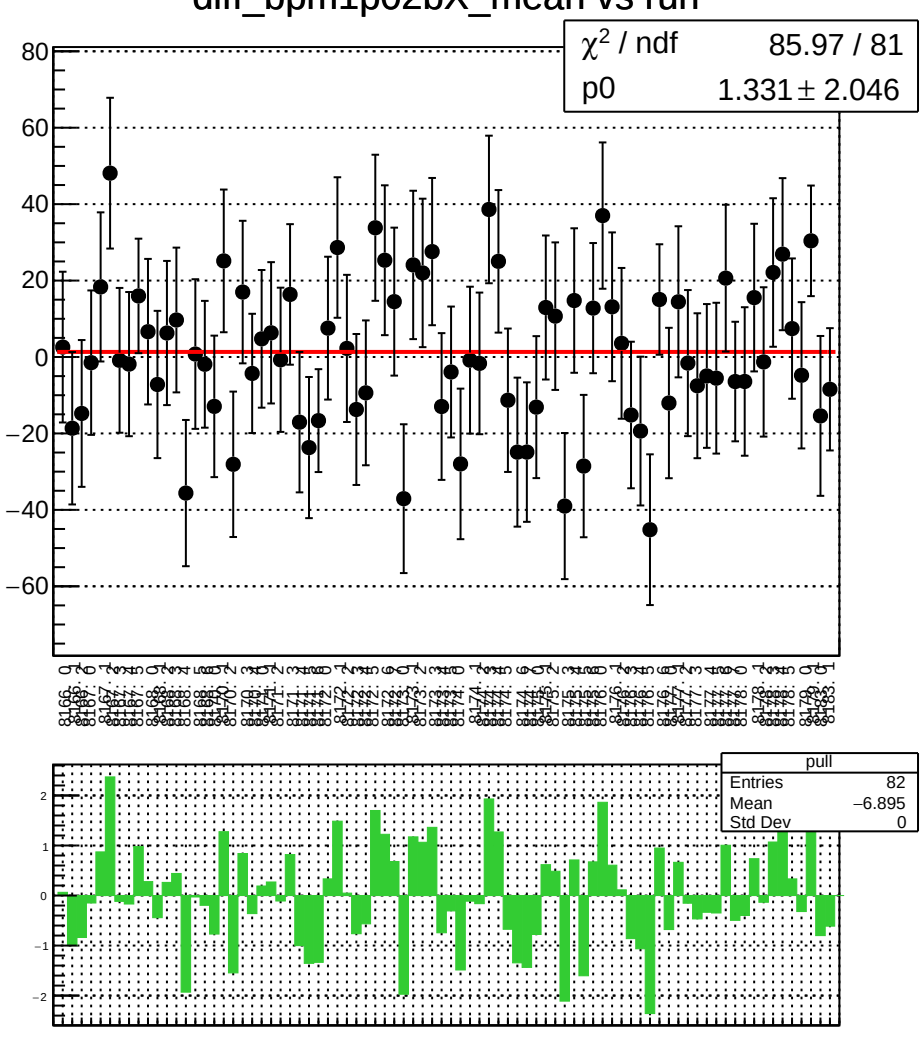
diff_bpm16X_rms vs run

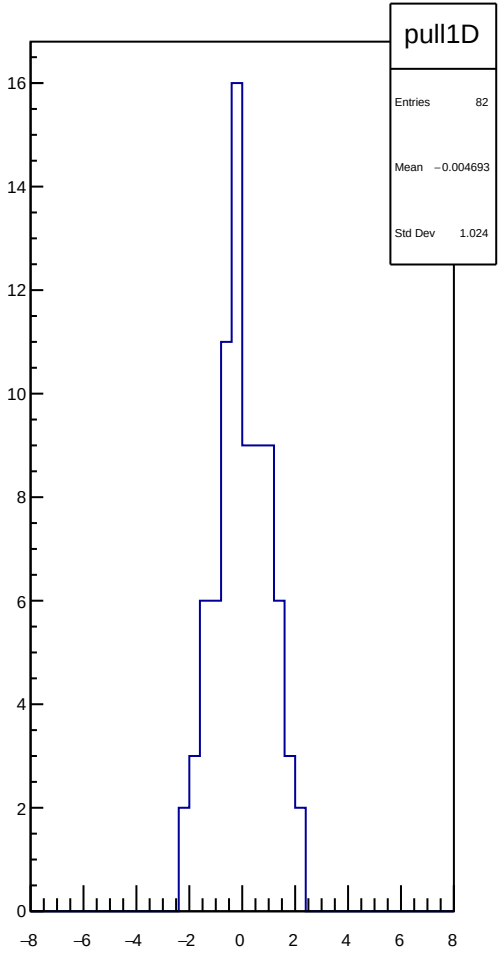


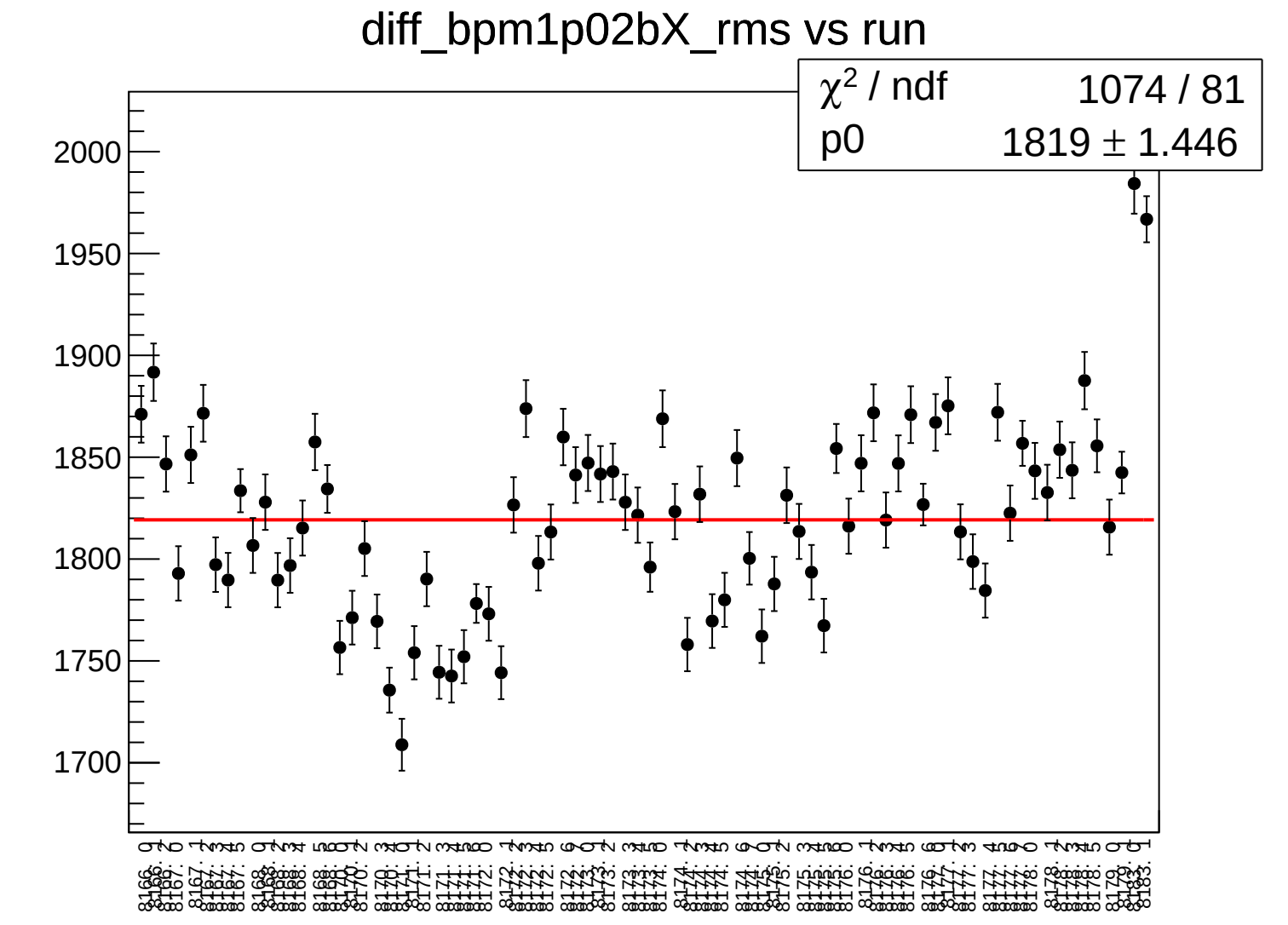

diff_bpm16Y_mean vs run
χ² / ndf 79.96 / 81
p0 2.54 ± 3.598
100
50
0
−50
−100
pull
Entries 82
Mean −43.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

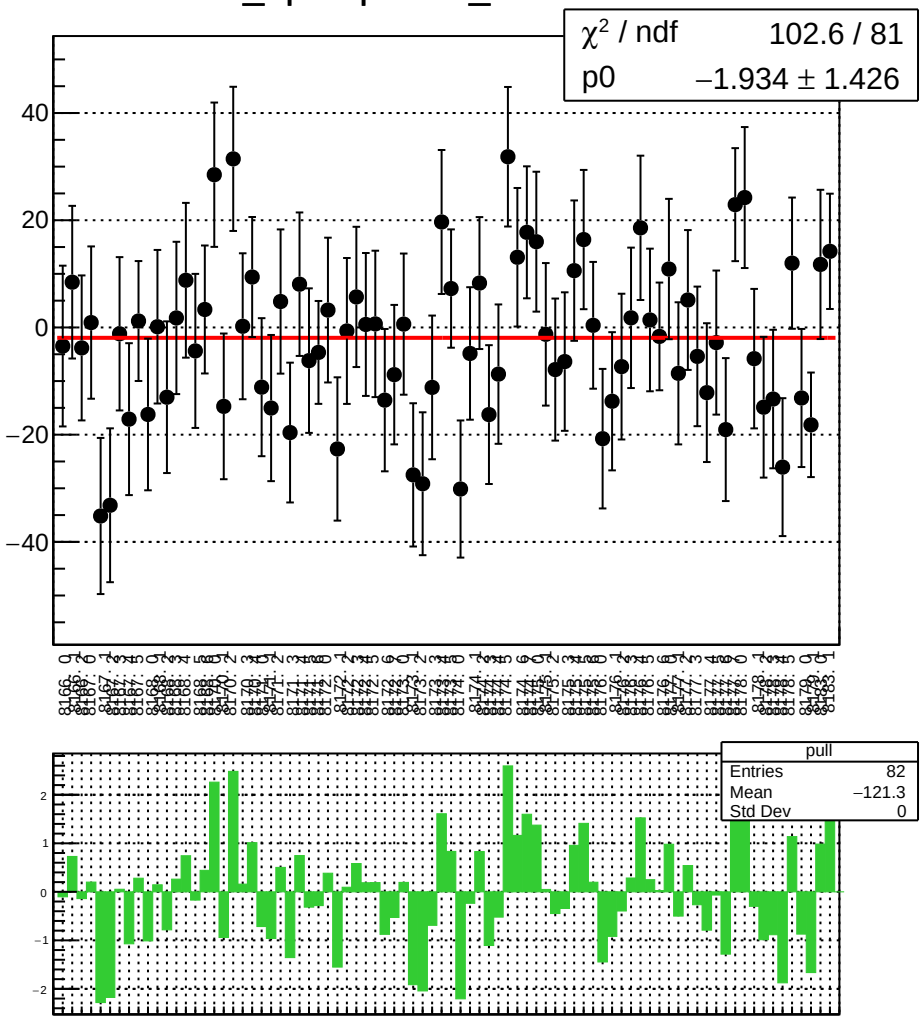

pull1D
Entries 82
Mean −0.02191
Std Dev 0.9873
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

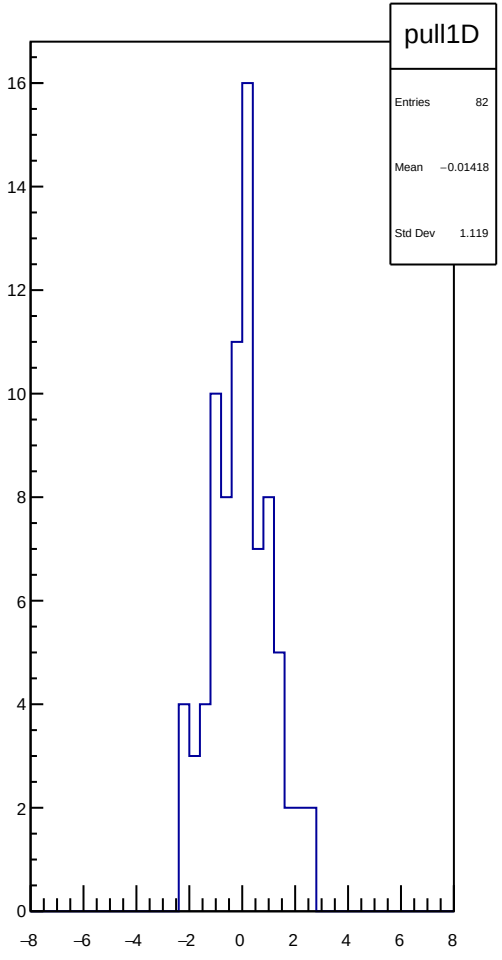

diff_bpm16Y_rms vs run
χ² / ndf 1.276e+04 / 81
p0 3188 ± 2.544
4500
4000
3500
3000
2500

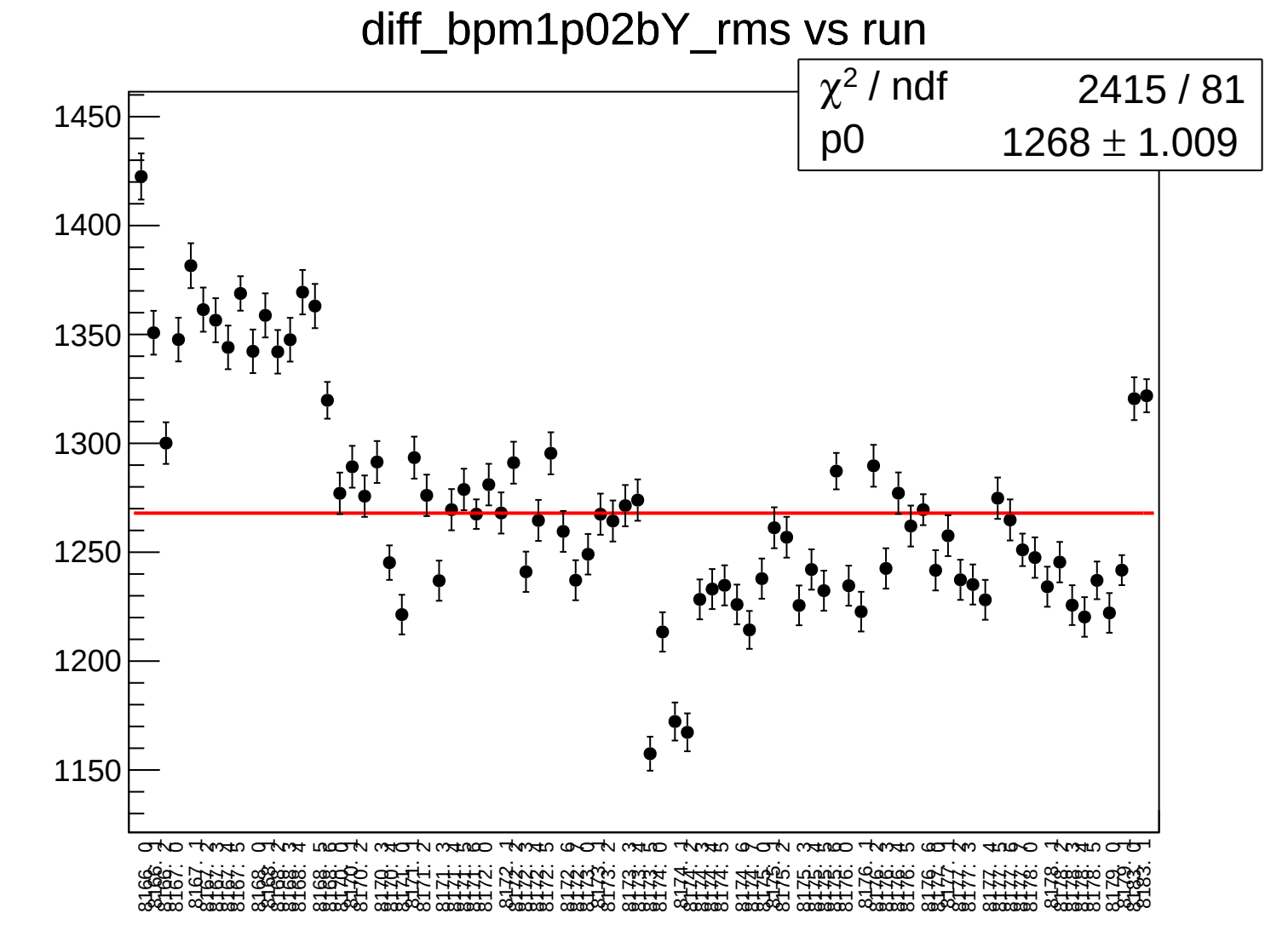

diff_bpm1p02bX_mean vs run
χ² / ndf 85.97 / 81
p0 1.331 ± 2.046
pull
Entries 82
Mean −6.895
Std Dev 0

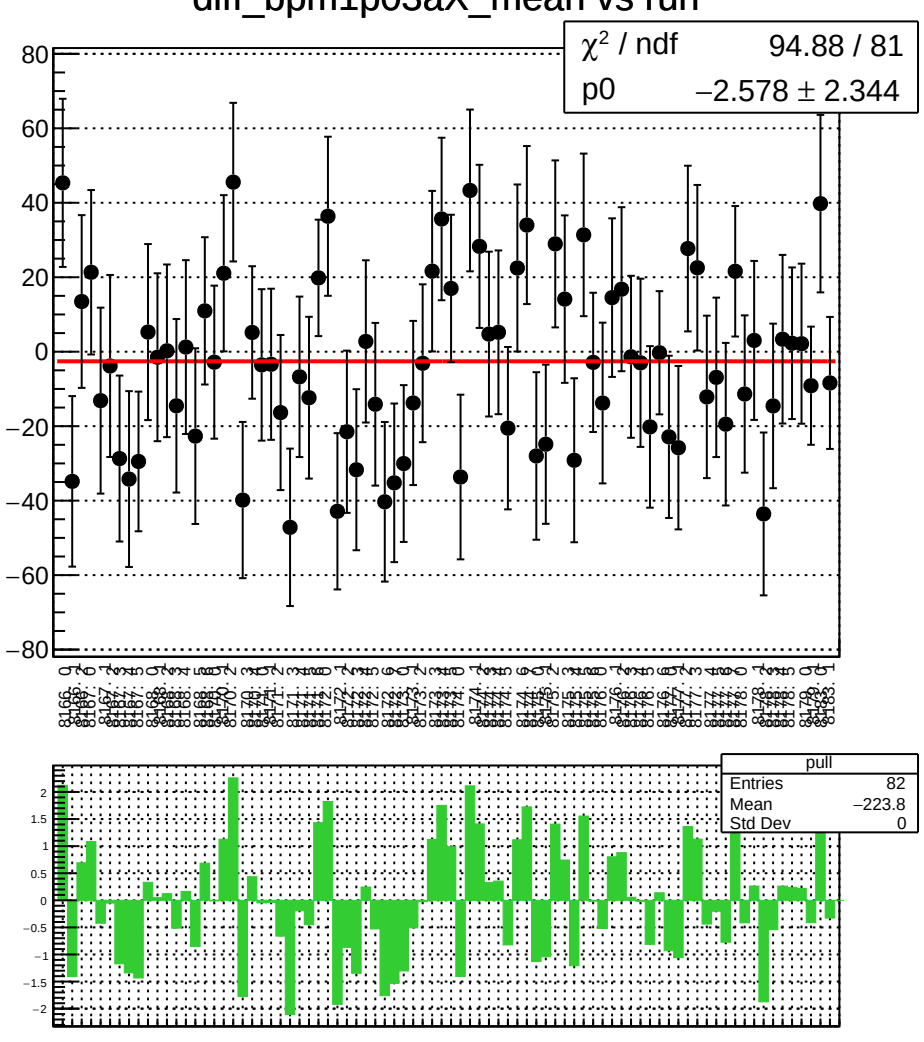

pull1D
Entries 82
Mean −0.004693
Std Dev 1.024

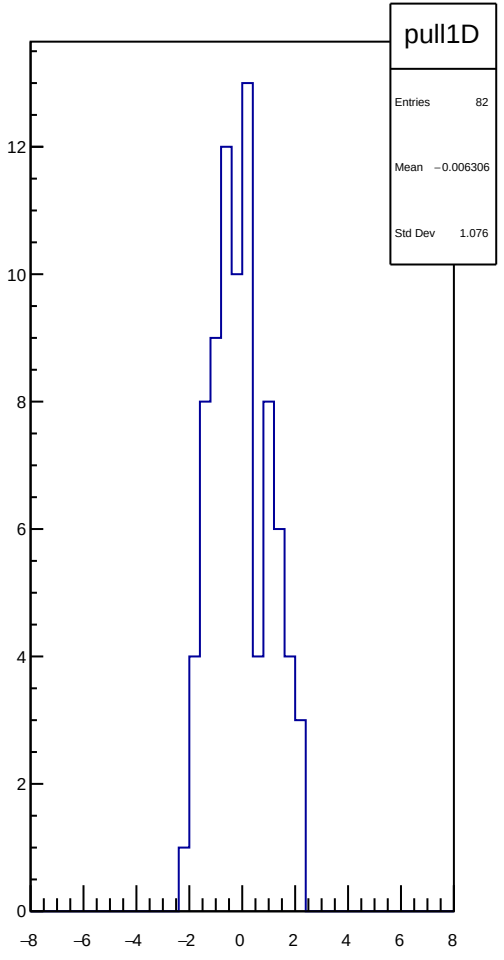

diff_bpm1p02bX_rms vs run
χ² / ndf 1074 / 81
p0 1819 ± 1.446
2000
1950
1900
1850
1800
1750
1700

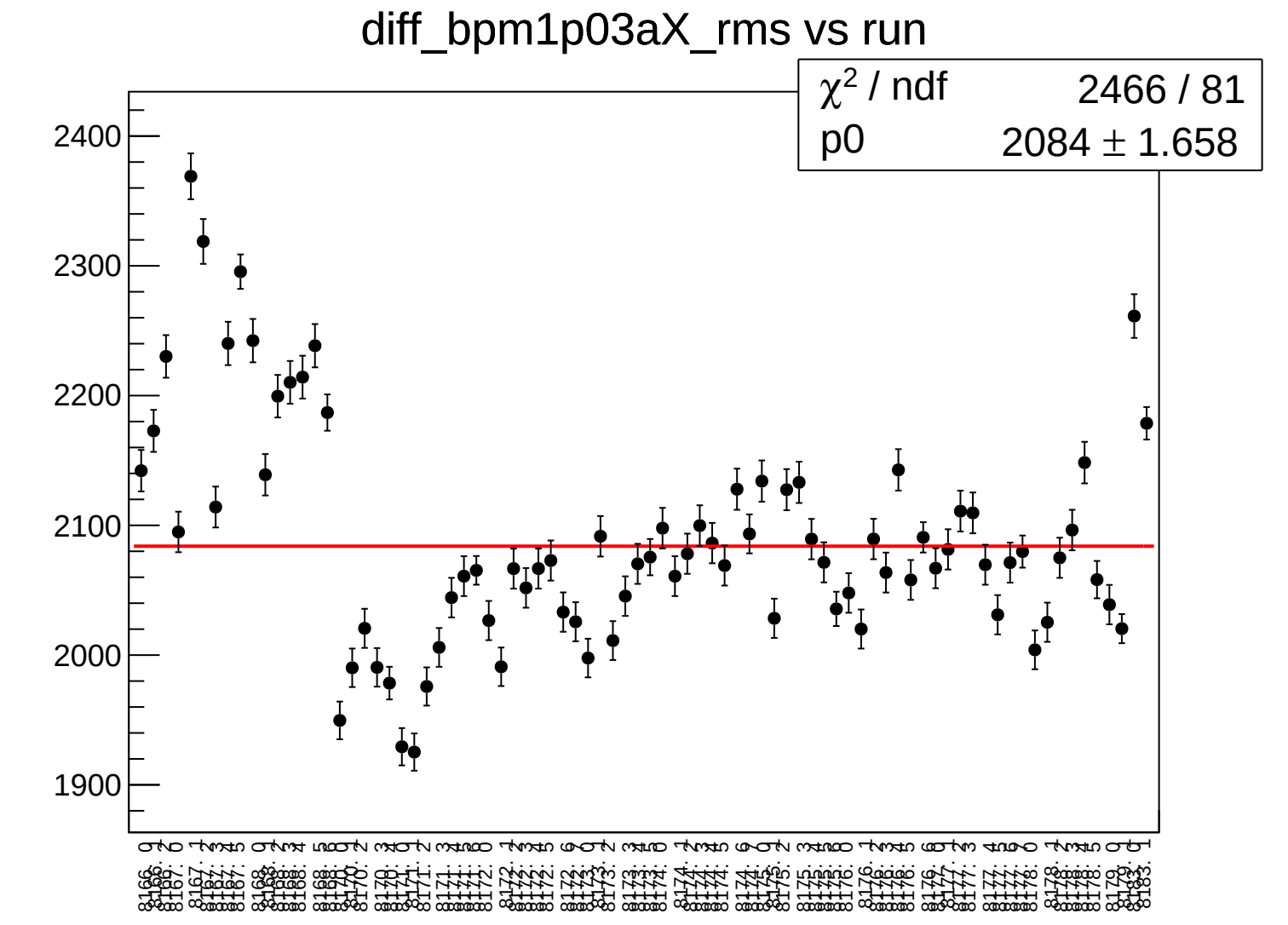

diff_bpm1p02bY_mean vs run
χ² / ndf 102.6 / 81
p0 −1.934 ± 1.426
pull
Entries 82
Mean −121.3
Std Dev 0

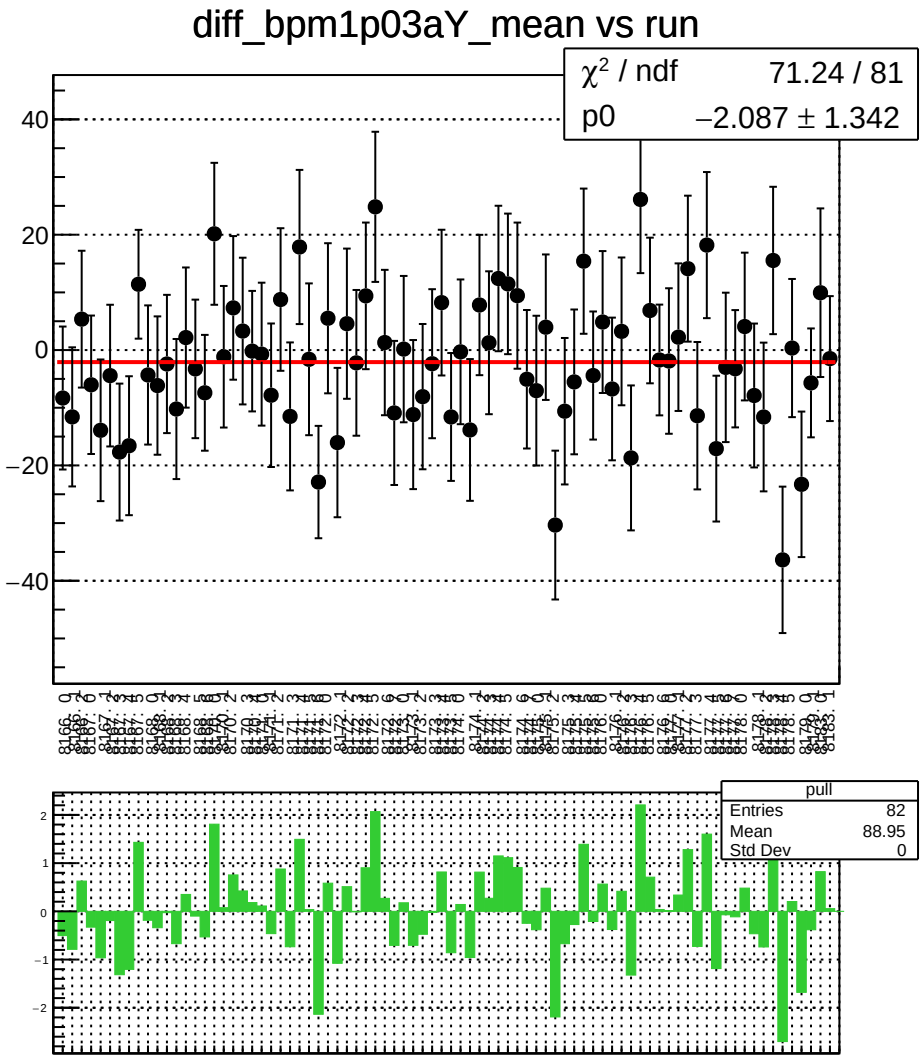

pull1D
Entries 82
Mean −0.01418
Std Dev 1.119

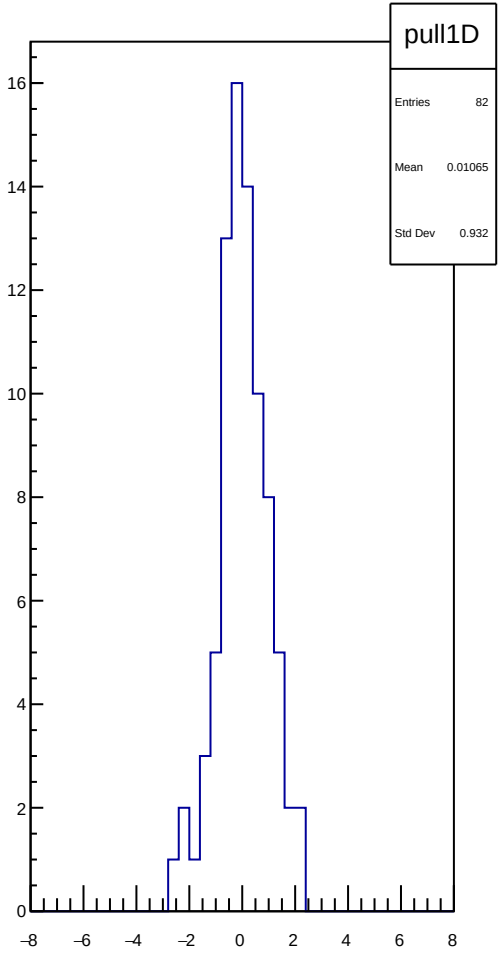

diff_bpm1p02bY_rms vs run
χ² / ndf 2415 / 81
p0 1268 ± 1.009
1450
1400
1350
1300
1250
1200
1150

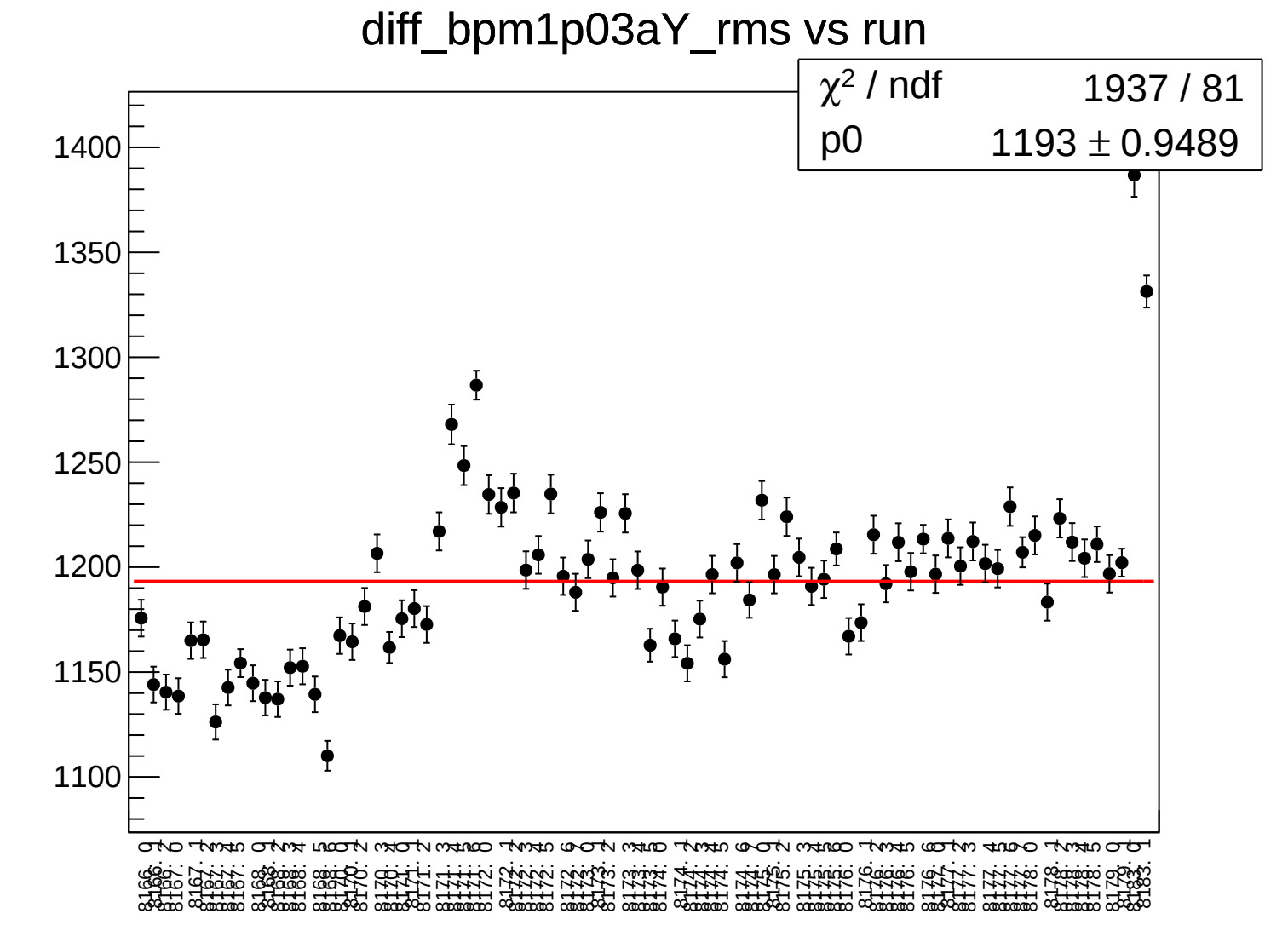

diff_bpm1p03aX_mean vs run
χ² / ndf 94.88 / 81
p0 −2.578 ± 2.344
pull
Entries 82
Mean −223.8
Std Dev 0

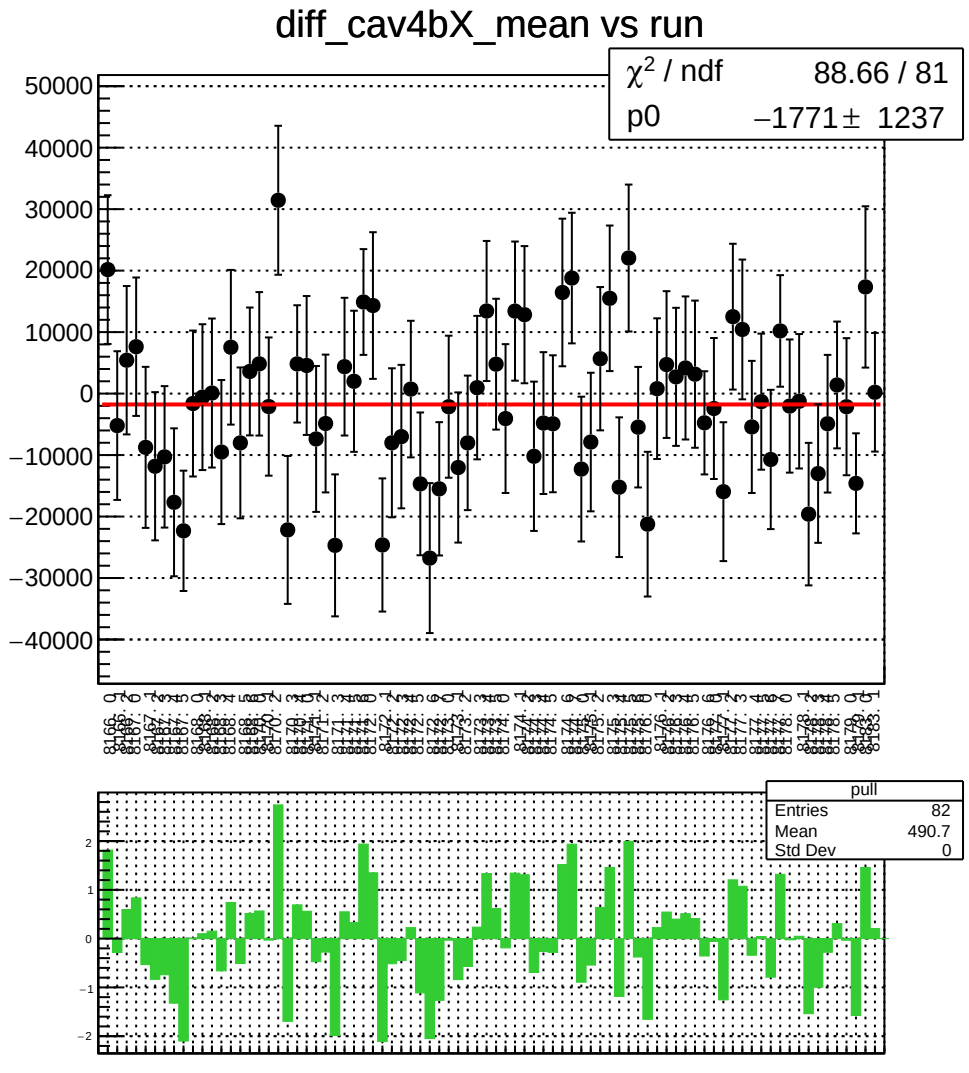

pull1D
Entries 82
Mean −0.006306
Std Dev 1.076

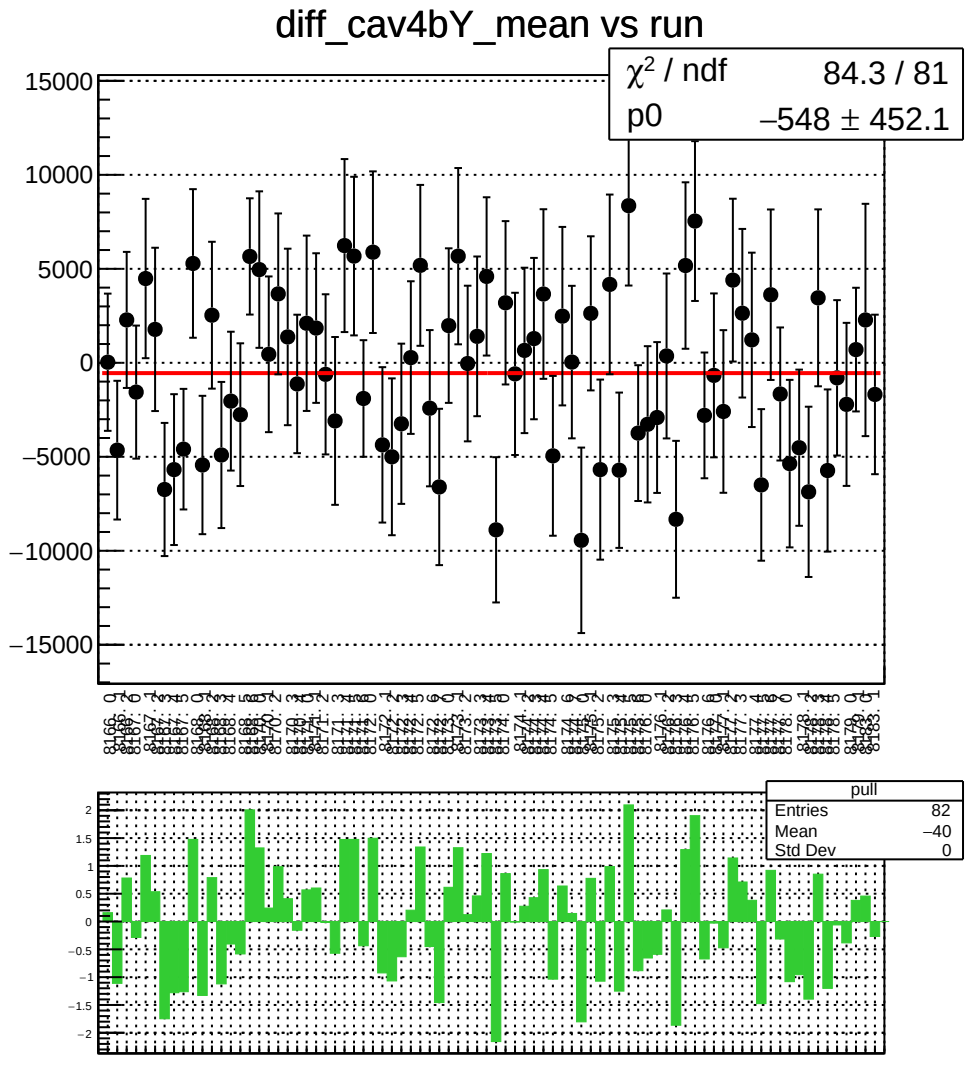

diff_bpm1p03aX_rms vs run
χ² / ndf 2466 / 81
p0 2084 ± 1.658
2400
2300
2200
2100
2000
1900

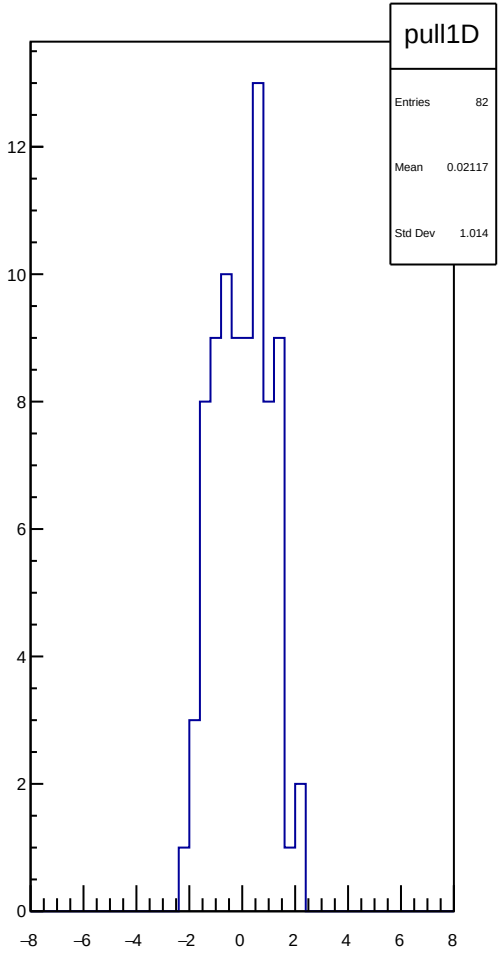

diff_bpm1p03aY_mean vs run
χ² / ndf 71.24 / 81
p0 −2.087 ± 1.342
40
20
0
−20
−40
pull
Entries 82
Mean 88.95
Std Dev 0
2
1
0
−1
−2

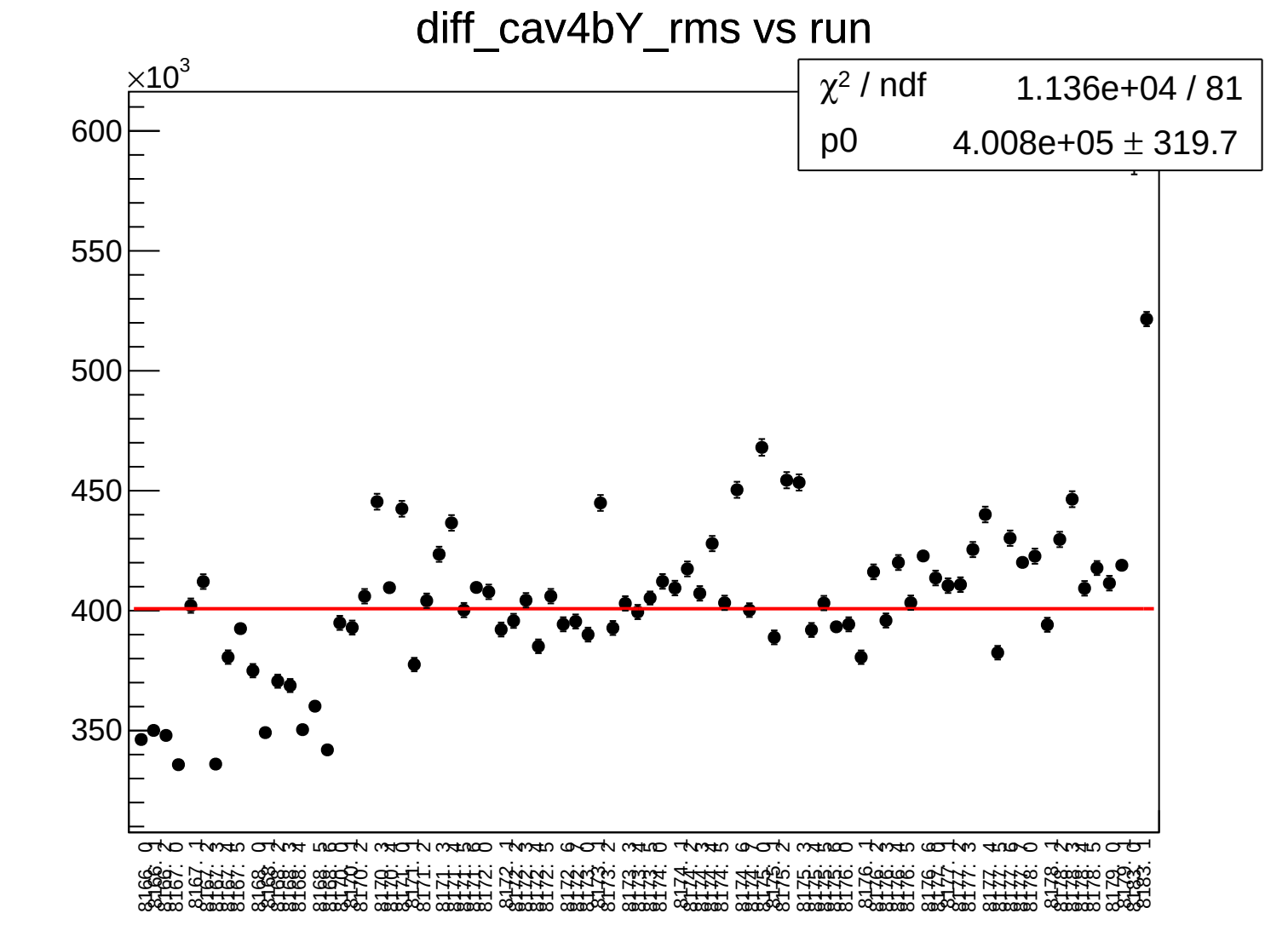

pull1D
Entries 82
Mean 0.01065
Std Dev 0.932
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

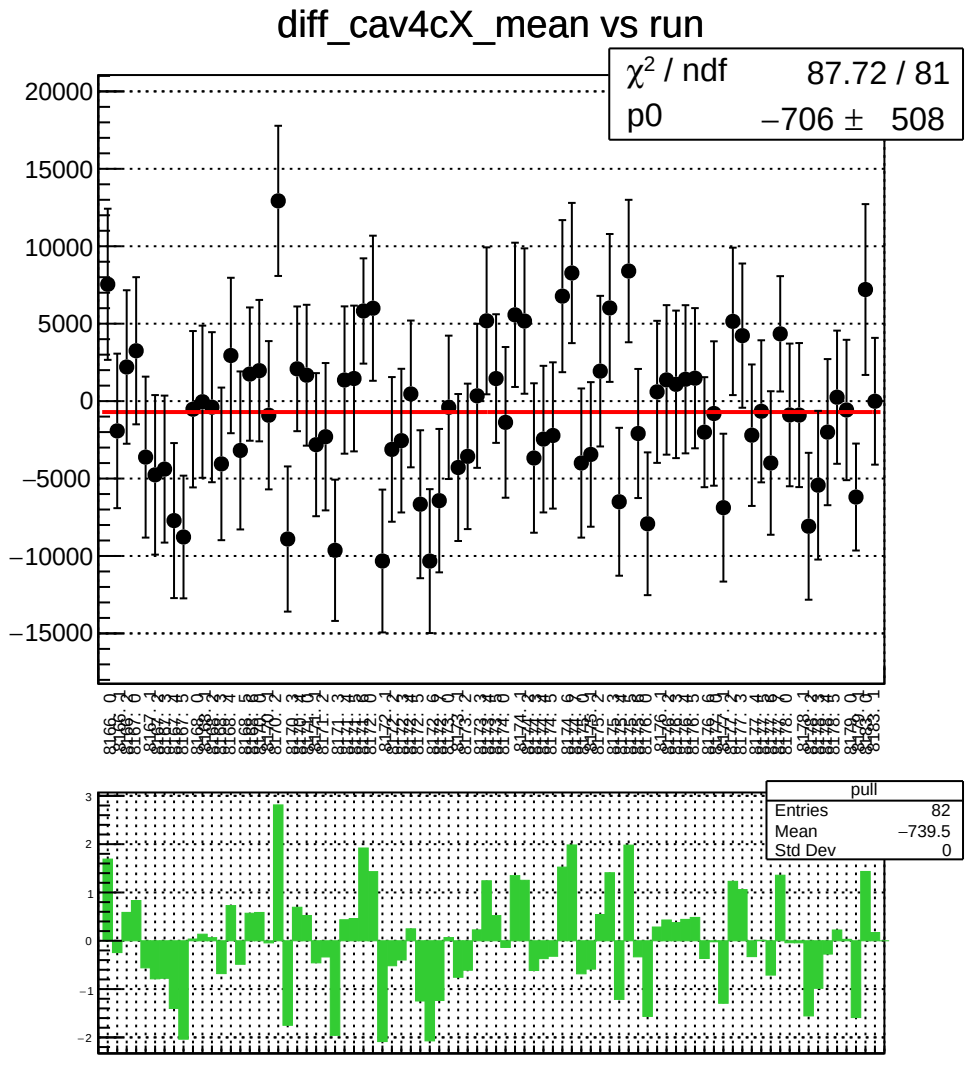

diff_bpm1p03aY_rms vs run
χ² / ndf 1937 / 81
p0 1193 ± 0.9489
1400
1350
1300
1250
1200
1150
1100

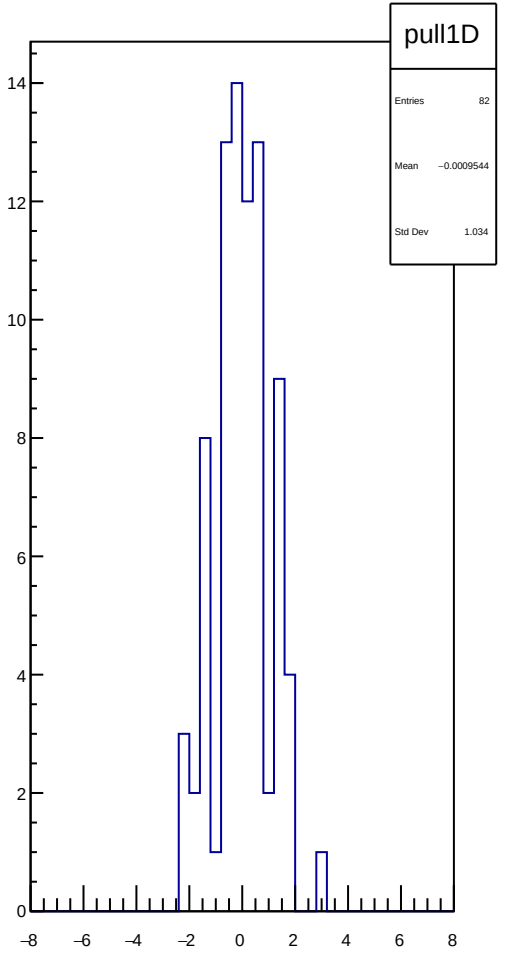

diff_cav4bX_mean vs run
χ² / ndf 88.66 / 81
p0 −1771 ± 1237
pull
Entries 82
Mean 490.7
Std Dev 0
pull1D
Entries 82
Mean 0.001673
Std Dev 1.04

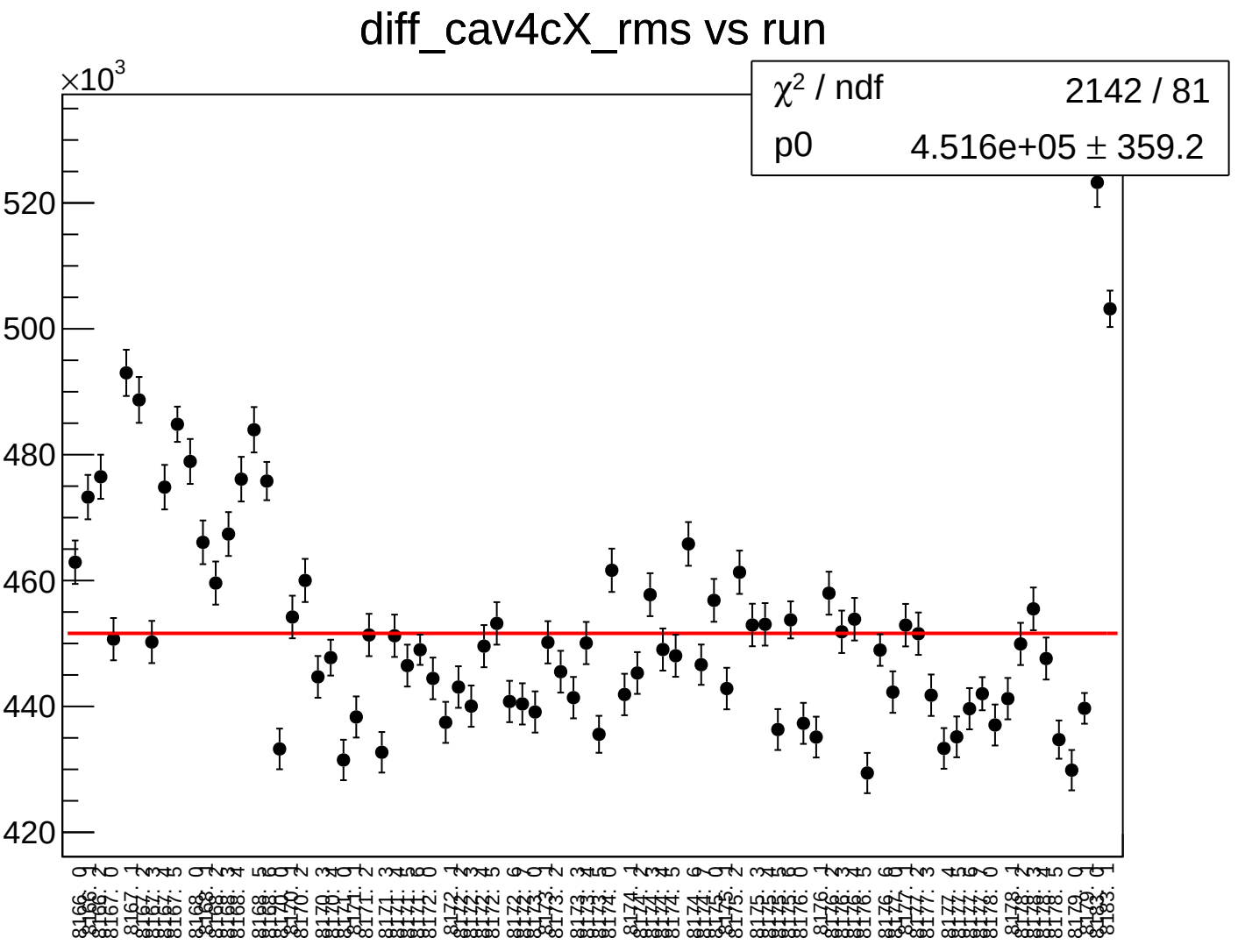

diff_cav4bY_mean vs run
χ² / ndf 84.3 / 81
p0 −548 ± 452.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −40
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

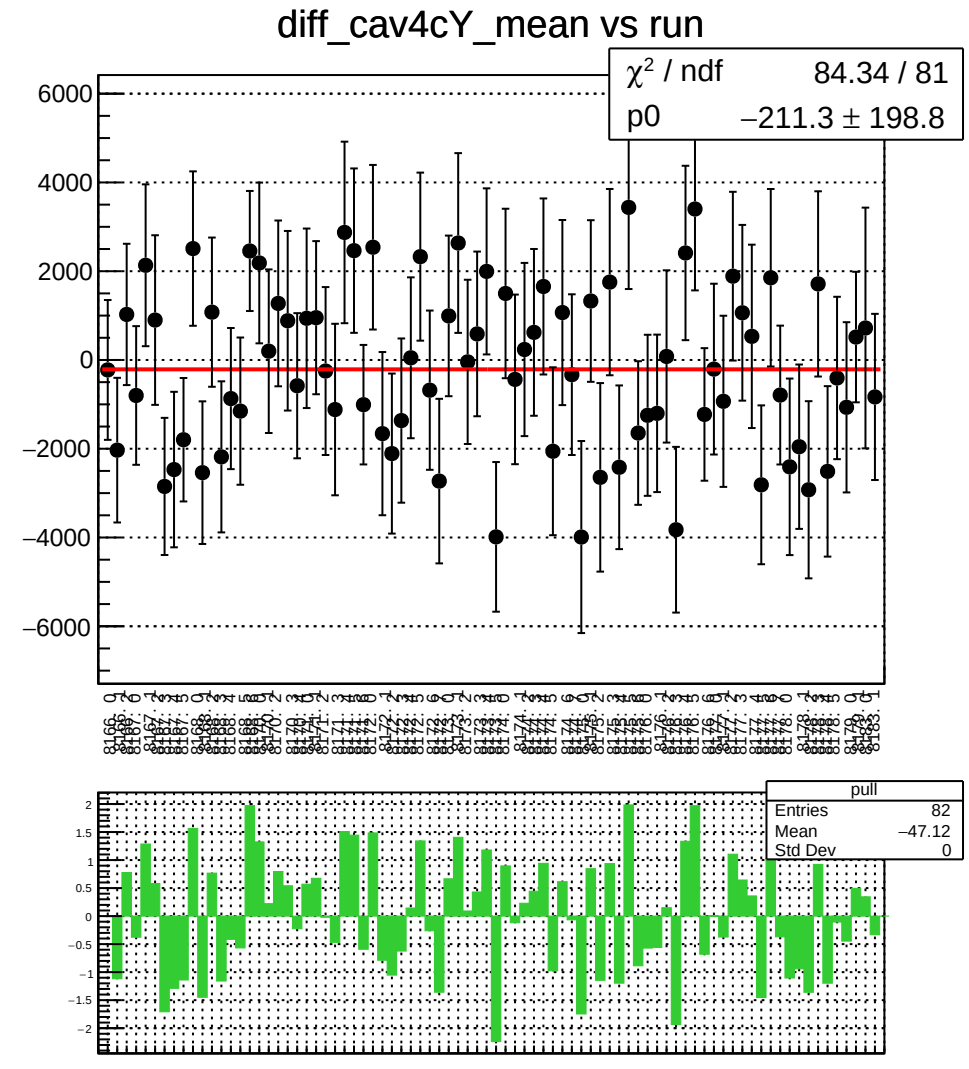

pull1D
Entries 82
Mean 0.02117
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

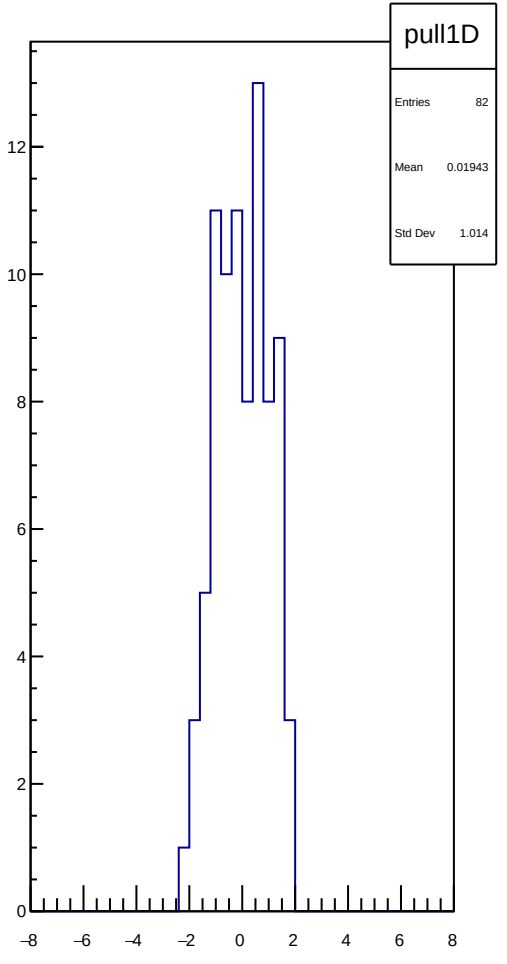

diff_cav4bY_rms vs run
×10^3
600
550
500
450
400
350
χ² / ndf 1.136e+04 / 81
p0 4.008e+05 ± 319.7

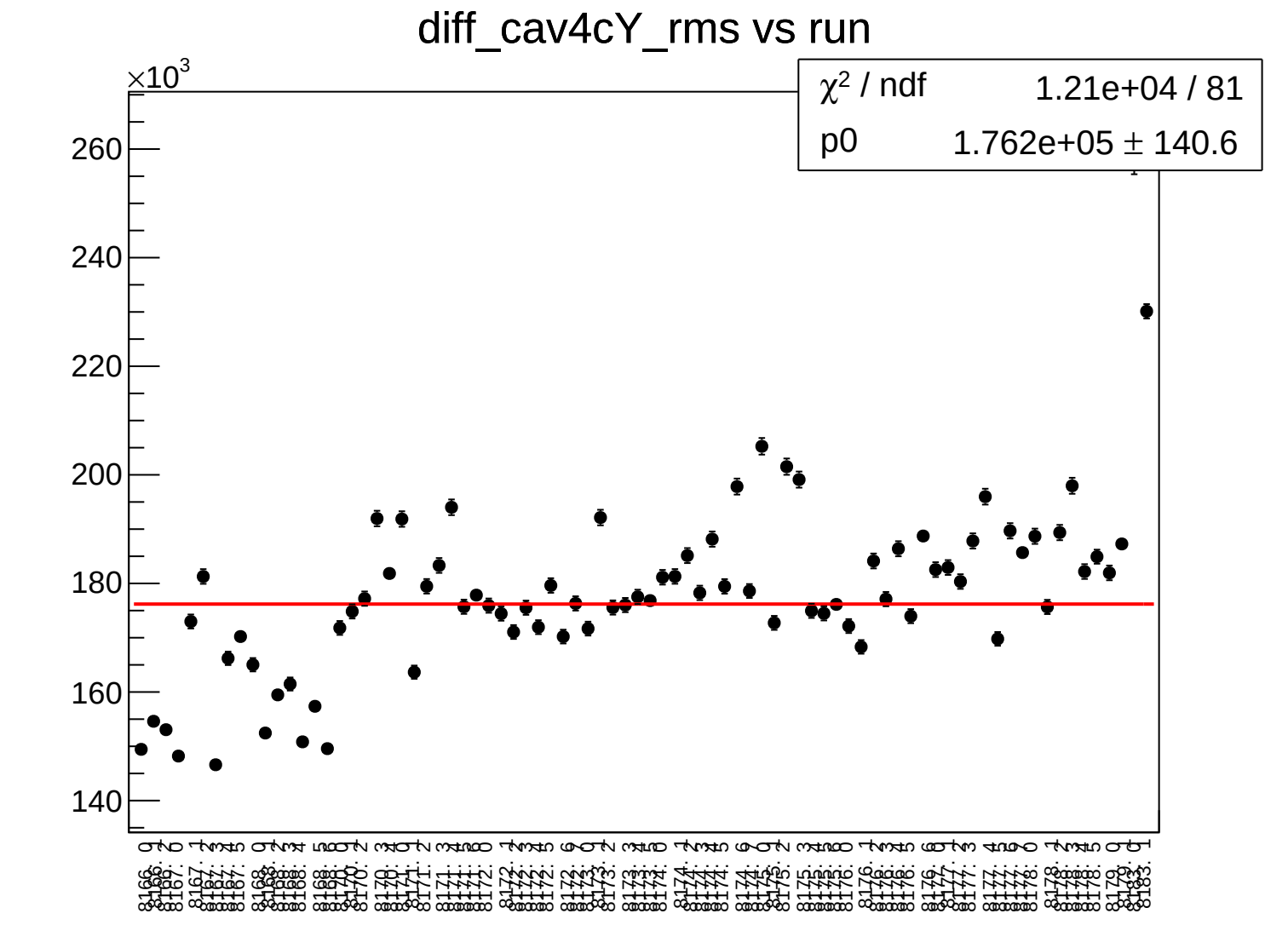

diff_cav4cX_mean vs run
χ² / ndf 87.72 / 81
p0 −706 ± 508
pull
Entries 82
Mean −739.5
Std Dev 0

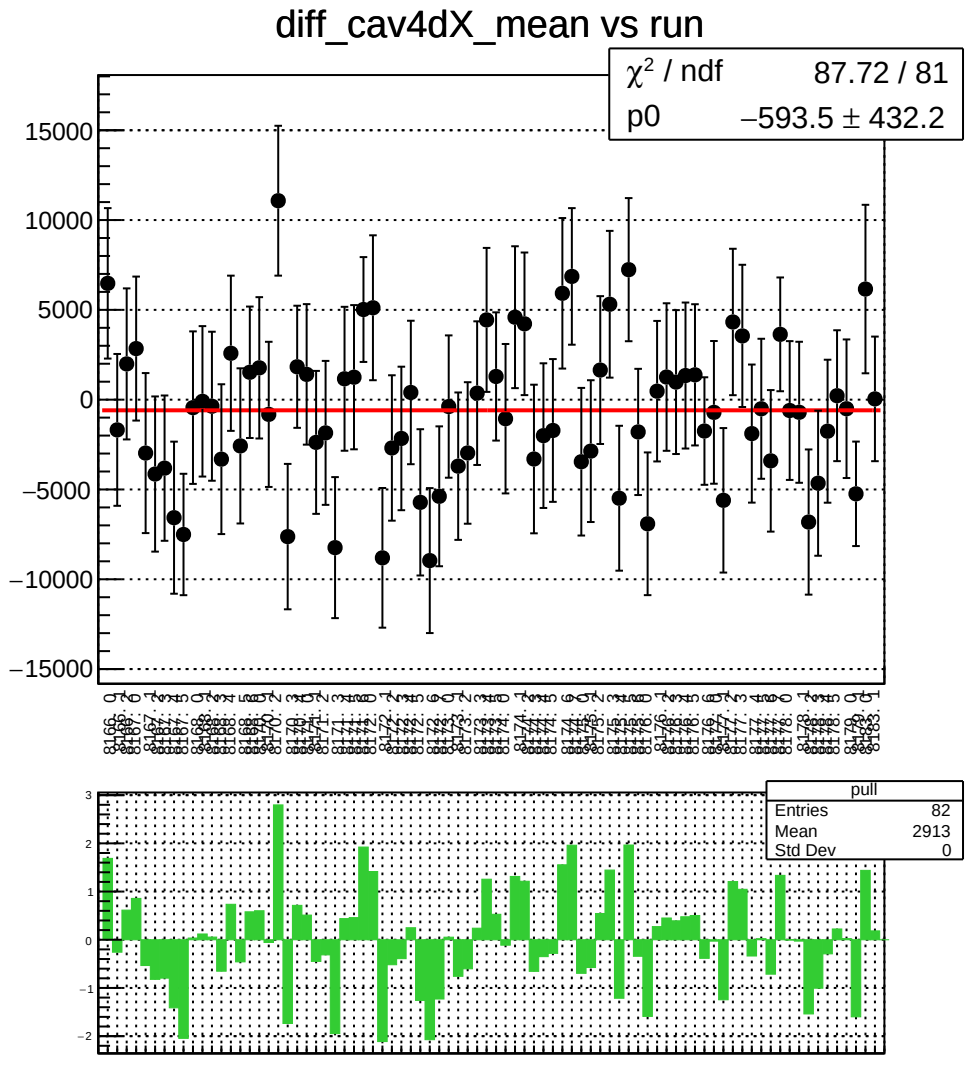

pull1D
Entries 82
Mean −0.0009544
Std Dev 1.034

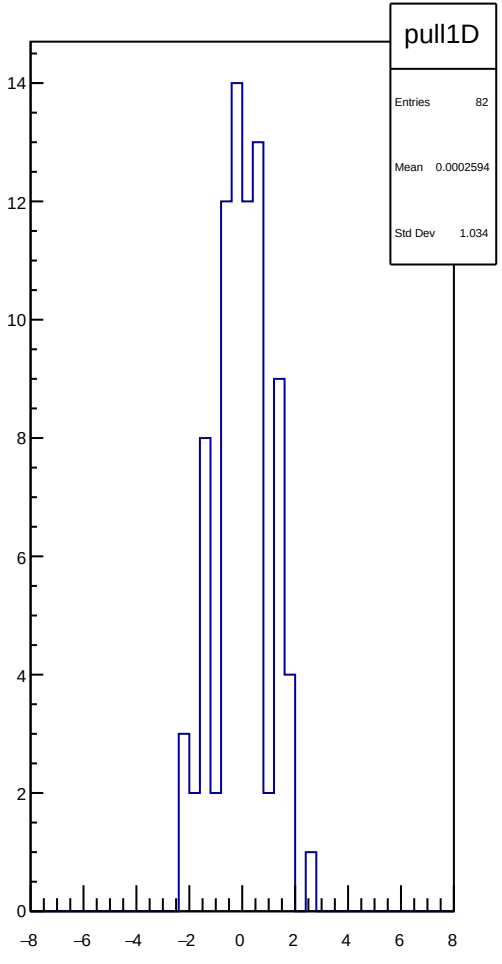

diff_cav4cX_rms vs run
×10^3
χ² / ndf 2142 / 81
p0 4.516e+05 ± 359.2
520
500
480
460
440
420

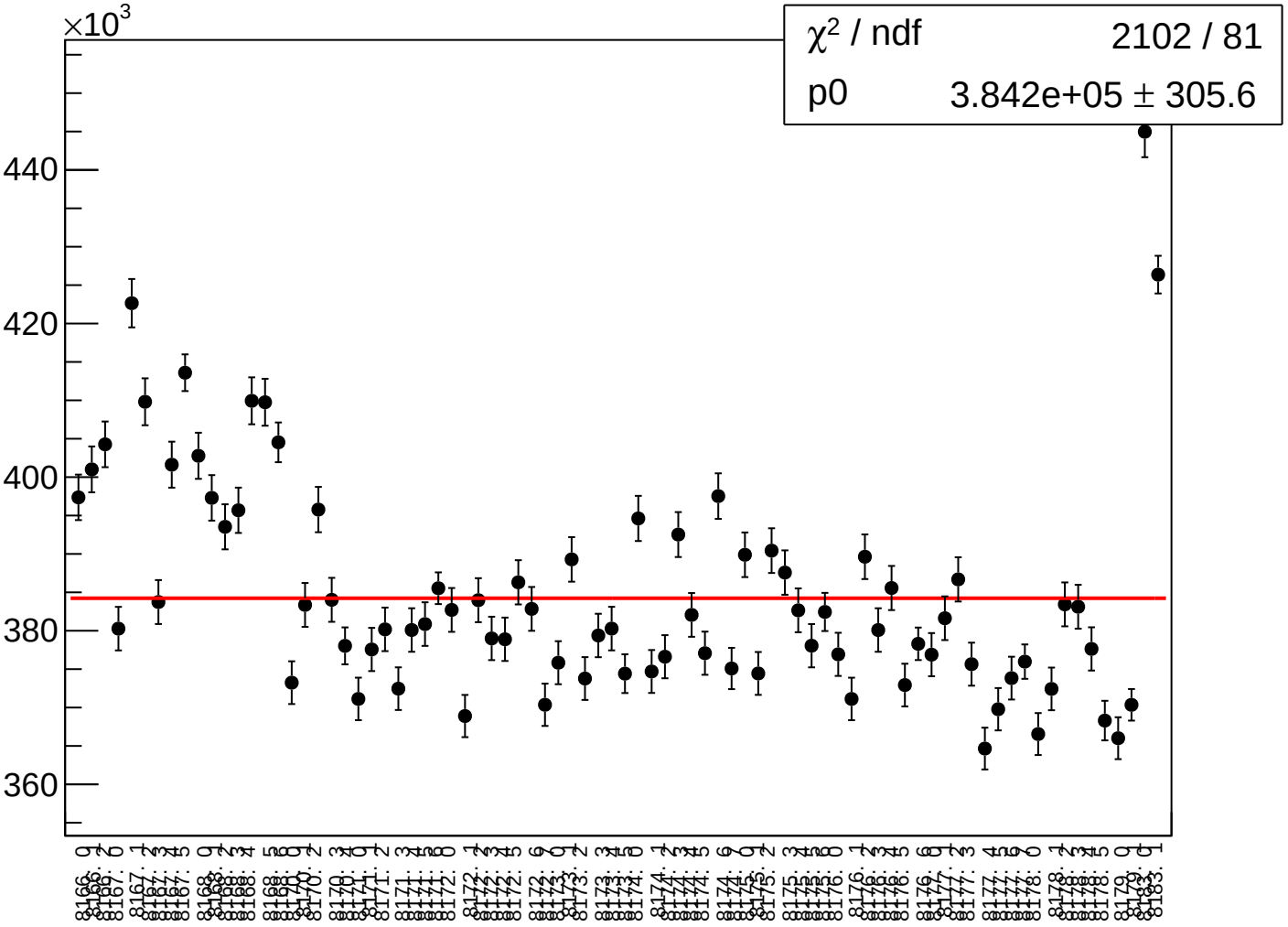

diff_cav4cY_mean vs run
χ² / ndf 84.34 / 81
p0 −211.3 ± 198.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −47.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

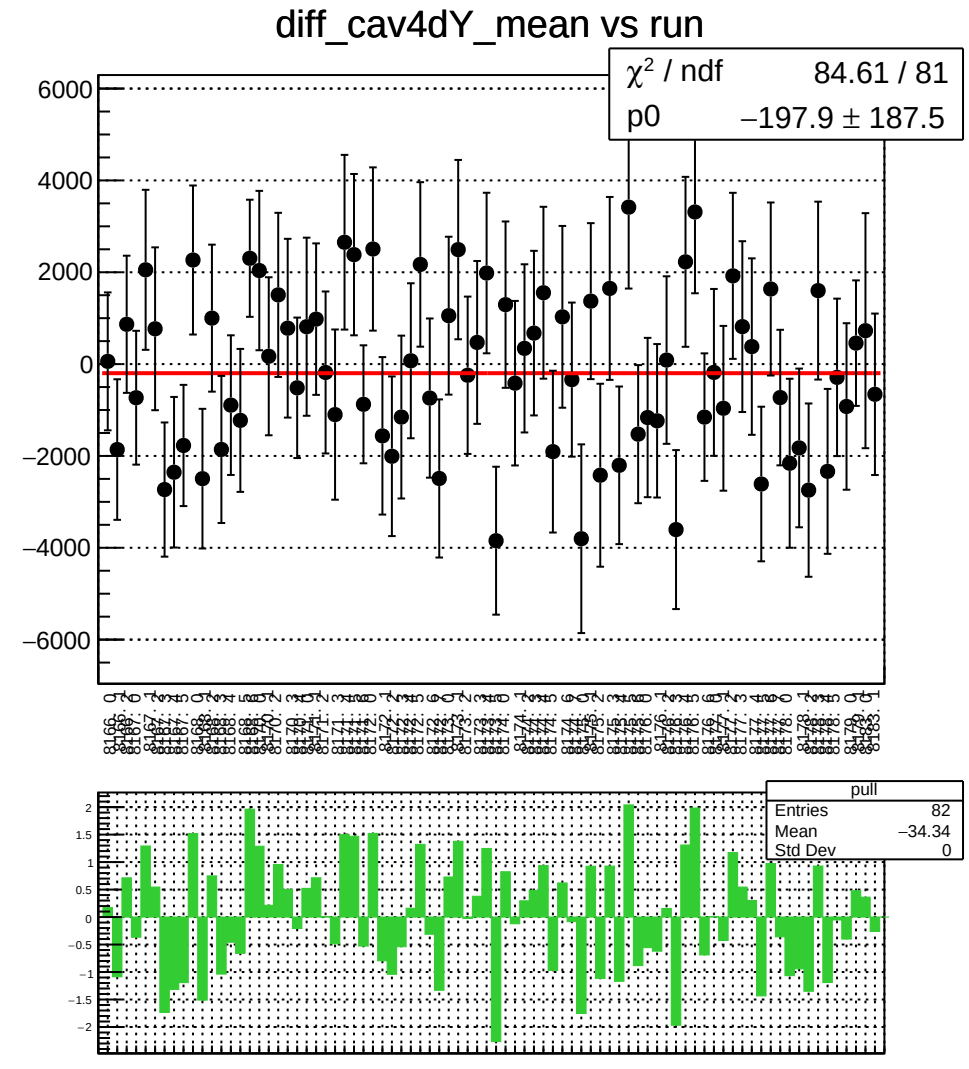

pull1D
Entries 82
Mean 0.01943
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

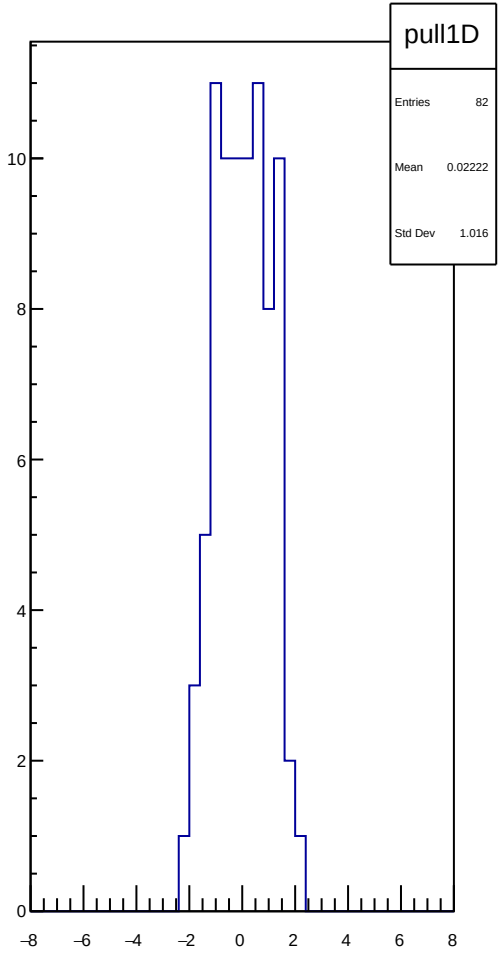

diff_cav4cY_rms vs run
×10^3
260
240
220
200
180
160
140
χ² / ndf 1.21e+04 / 81
p0 1.762e+05 ± 140.6

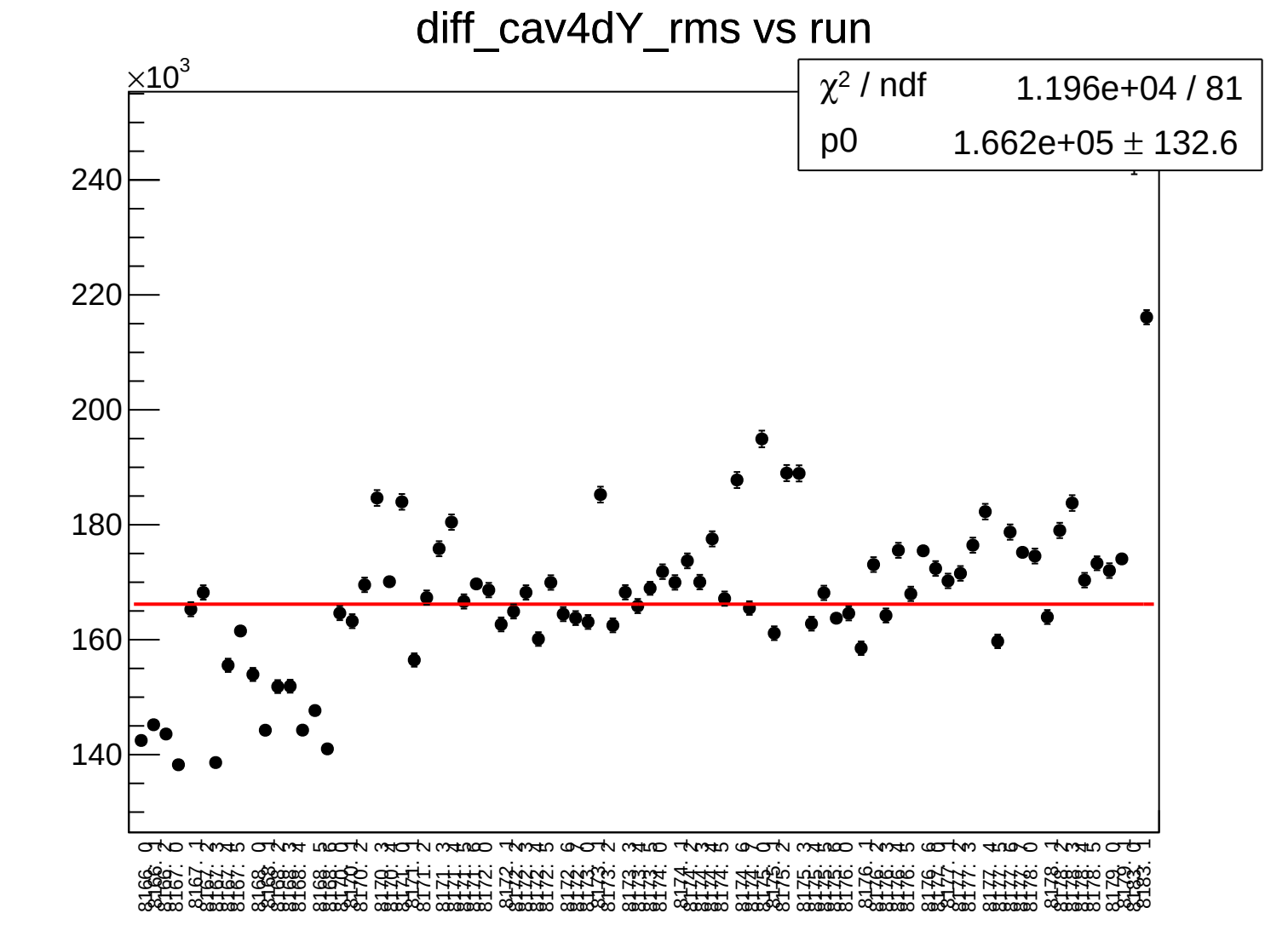

diff_cav4dX_mean vs run
χ² / ndf 87.72 / 81
p0 −593.5 ± 432.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 2913
Std Dev 0
3
2
1
0
−1
−2

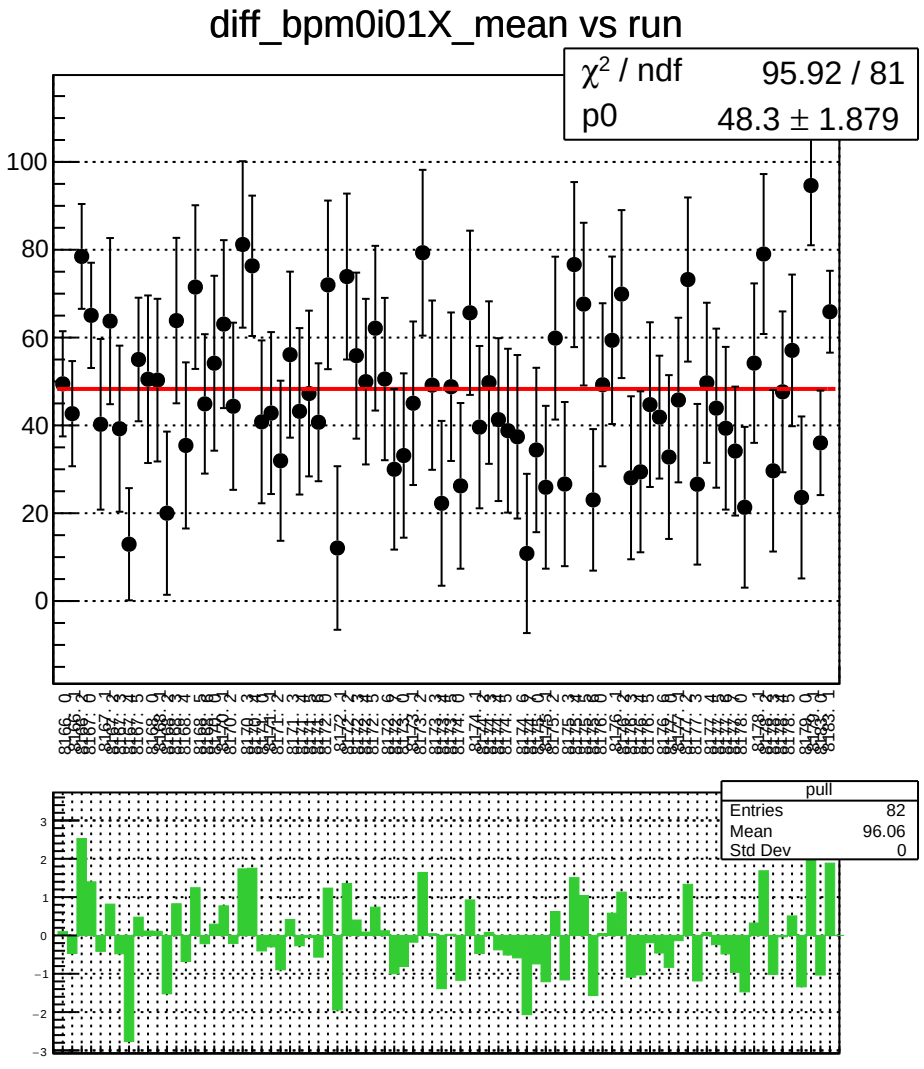

pull1D
Entries 82
Mean 0.0002594
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

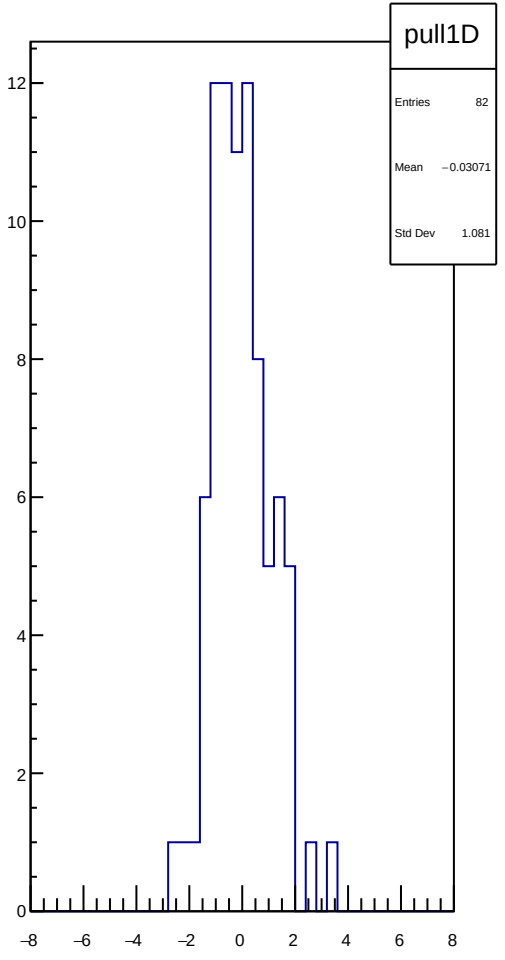

diff_cav4dX_rms vs run
×10^3
χ² / ndf 2102 / 81
p0 3.842e+05 ± 305.6
440
420
400
380
360

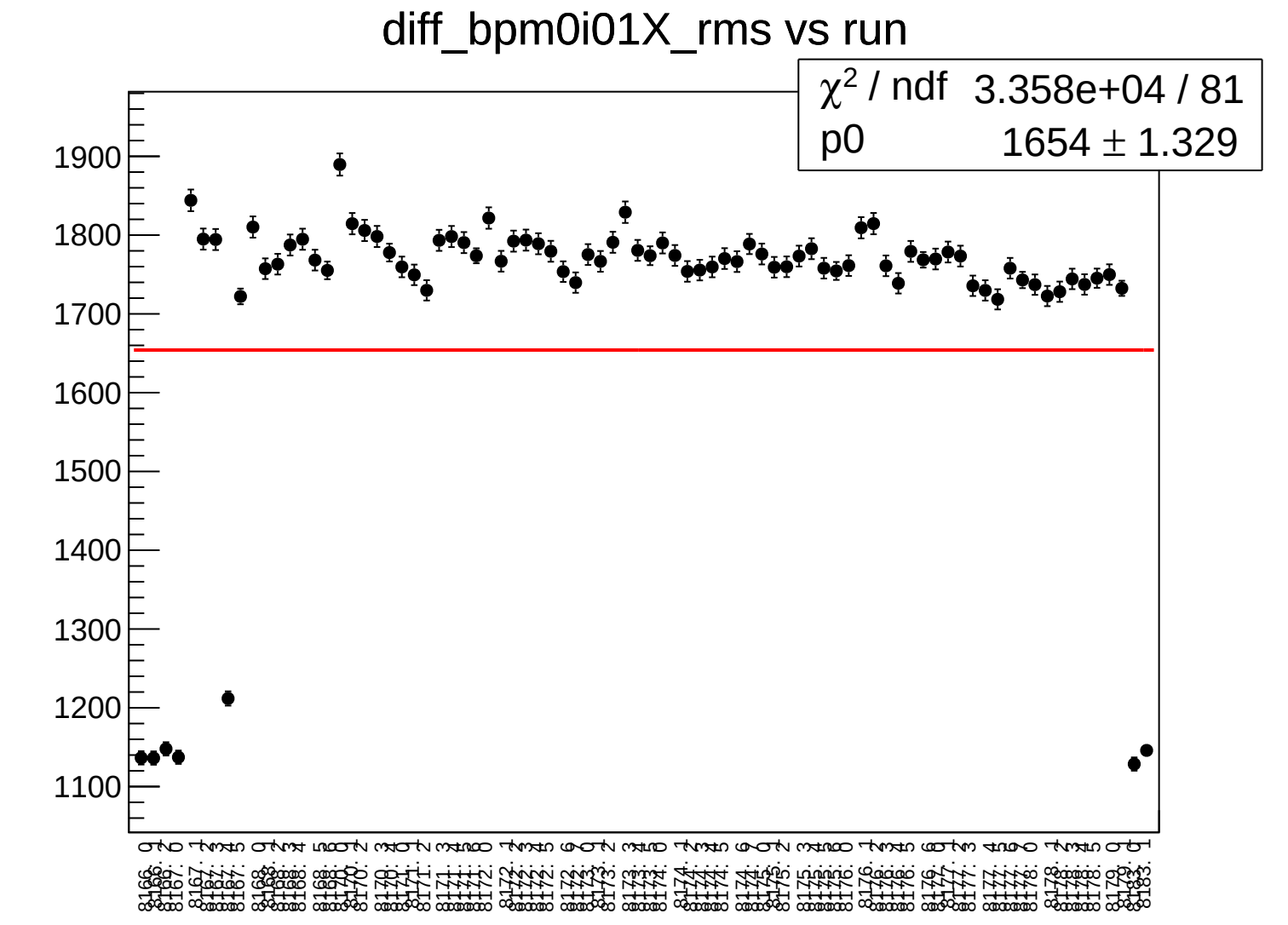

diff_cav4dY_mean vs run
χ² / ndf 84.61 / 81
p0 −197.9 ± 187.5
pull
Entries 82
Mean −34.34
Std Dev 0

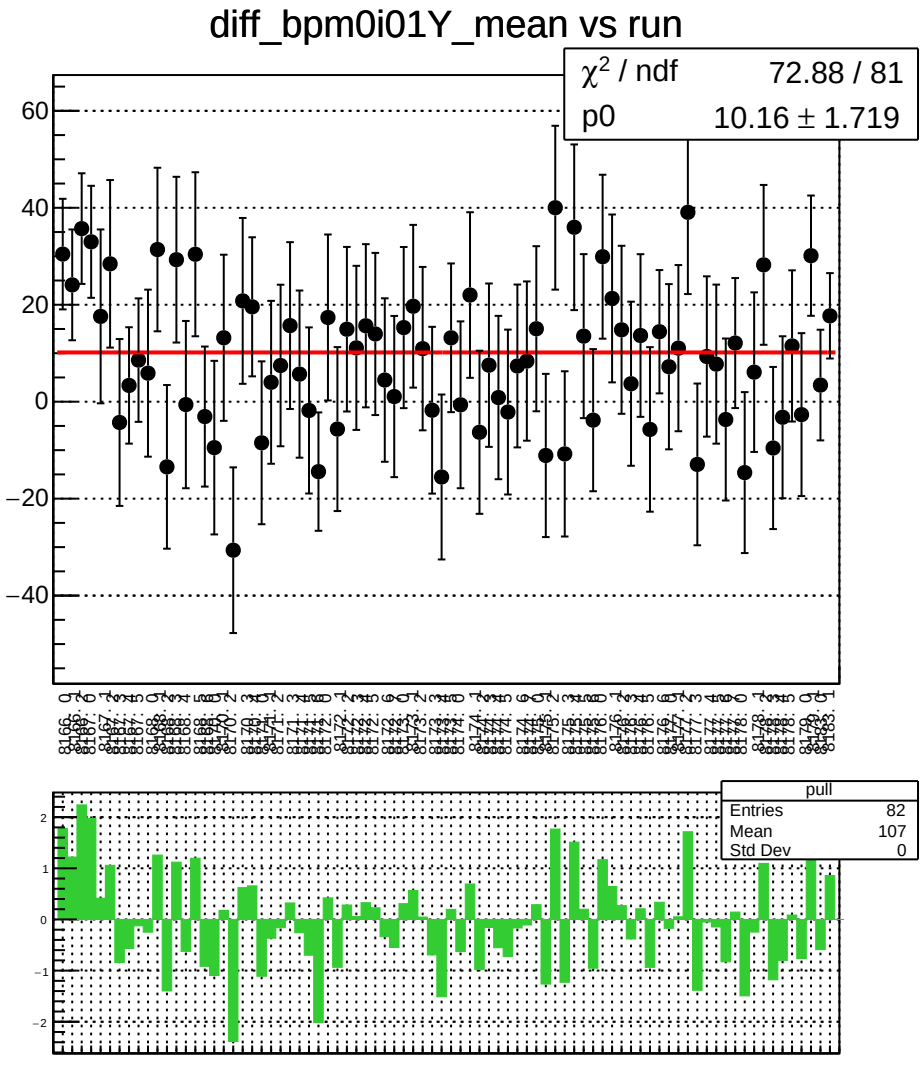

pull1D
Entries 82
Mean 0.02222
Std Dev 1.016

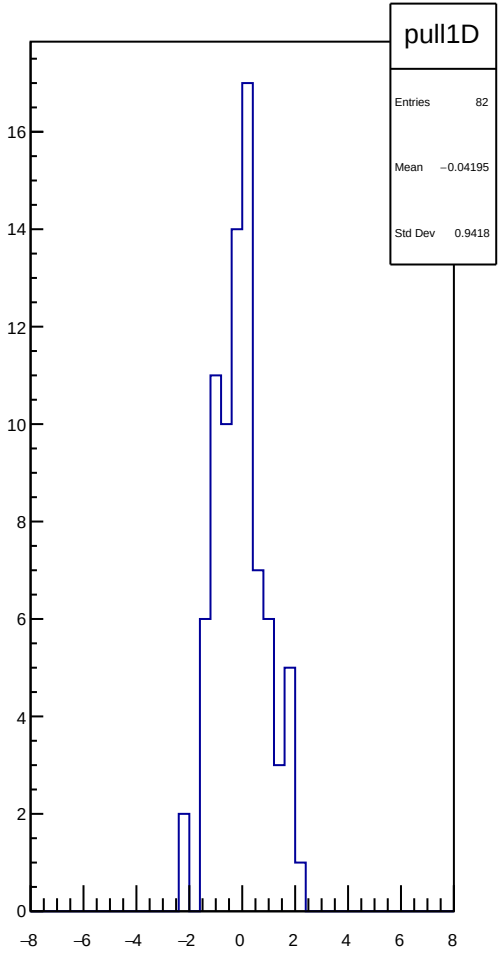

diff_cav4dY_rms vs run
×10^3
χ² / ndf 1.196e+04 / 81
p0 1.662e+05 ± 132.6
240
220
200
180
160
140

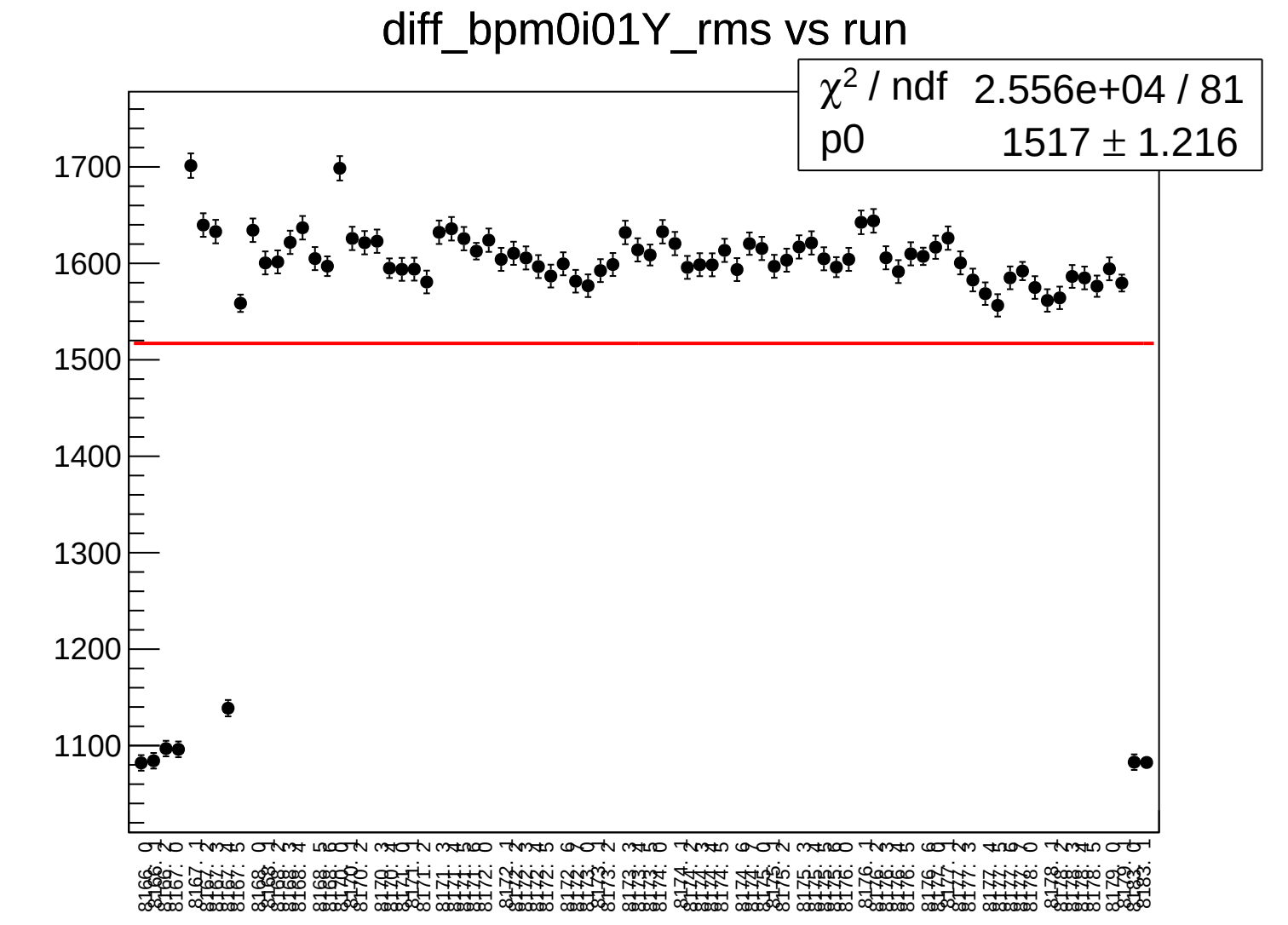

diff_bpm0i01X_mean vs run
χ² / ndf 95.92 / 81
p0 48.3 ± 1.879
pull
Entries 82
Mean 96.06
Std Dev 0

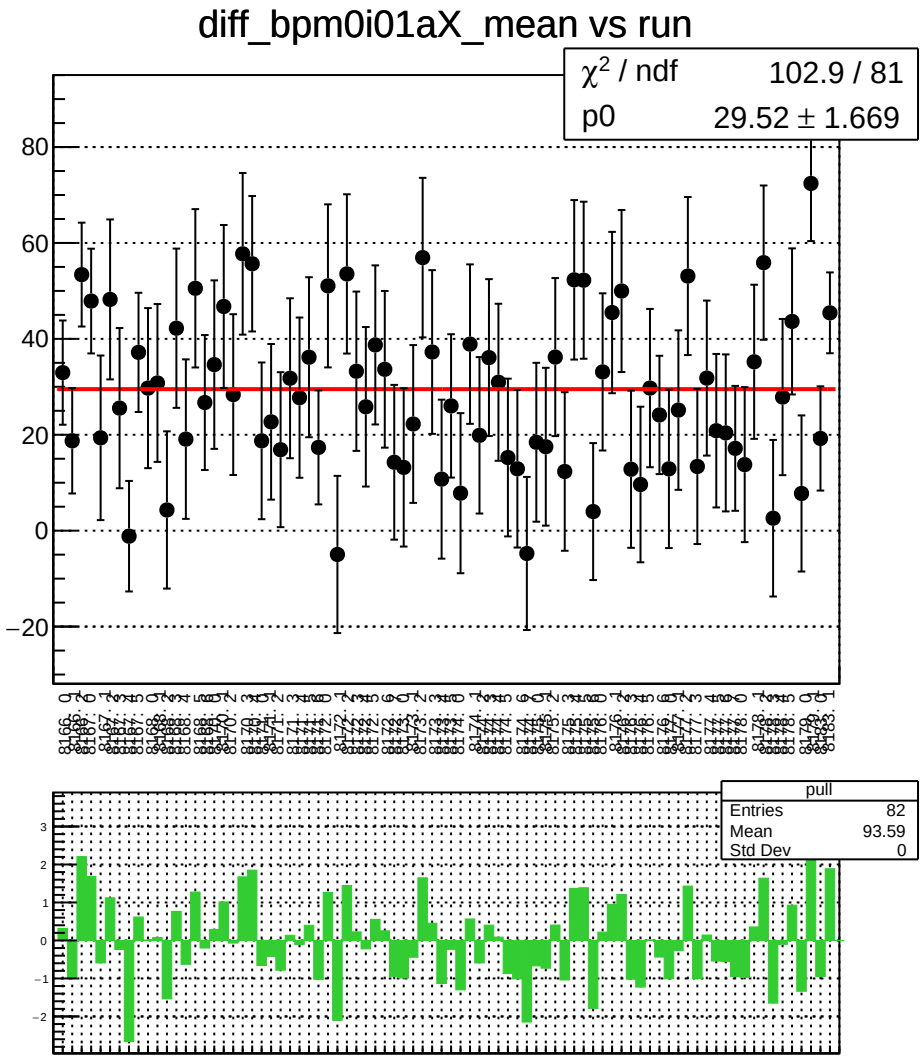

pull1D
Entries 82
Mean −0.03071
Std Dev 1.081

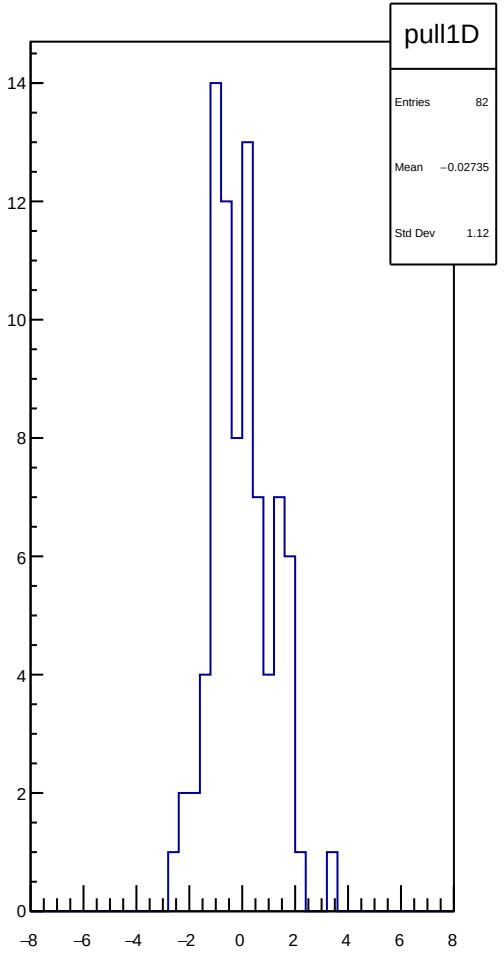

diff_bpm0i01X_rms vs run
χ² / ndf 3.358e+04 / 81
p0 1654 ± 1.329
1900
1800
1700
1600
1500
1400
1300
1200
1100

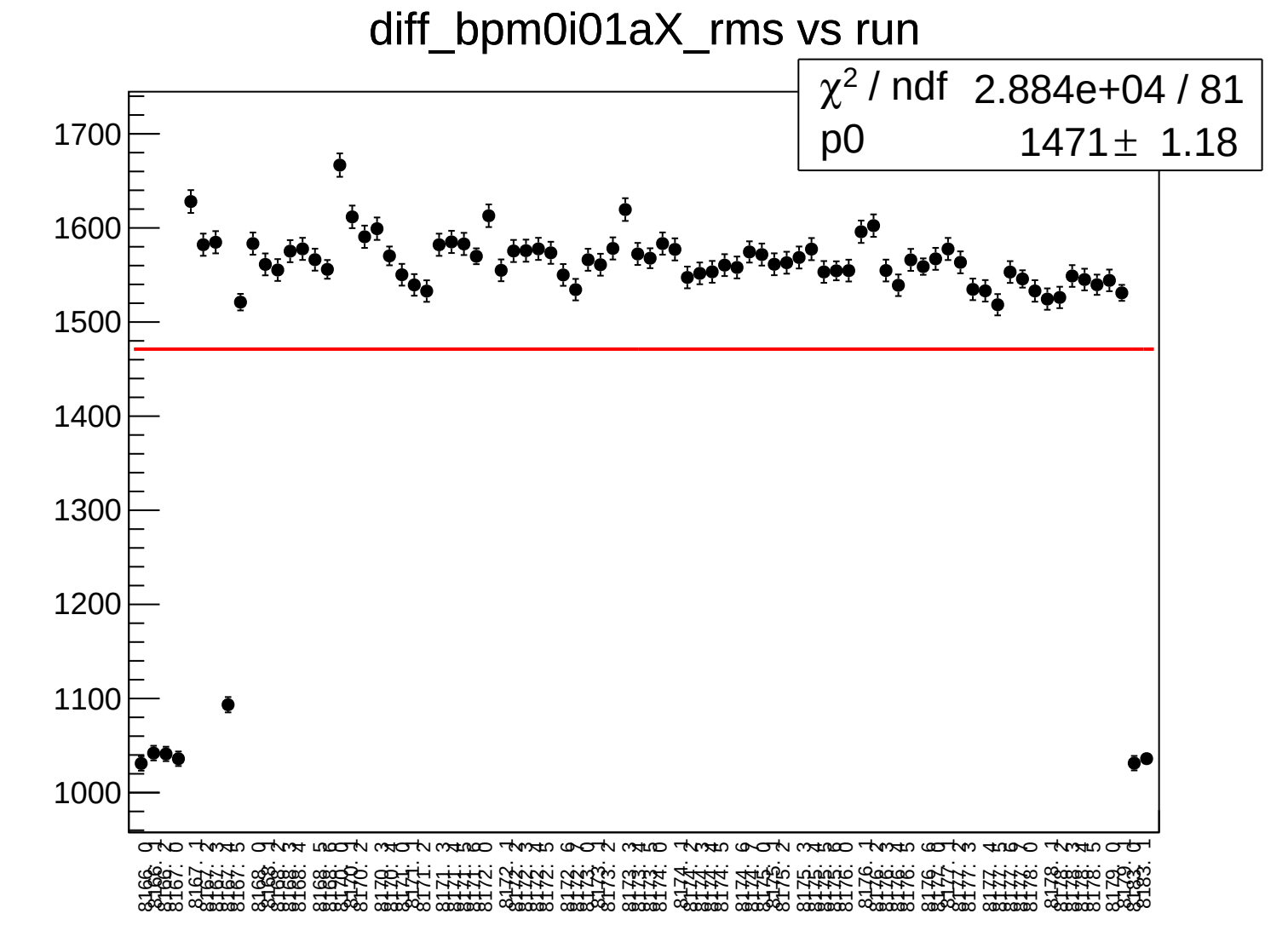

diff_bpm0i01Y_mean vs run
χ² / ndf 72.88 / 81
p0 10.16 ± 1.719
pull
Entries 82
Mean 107
Std Dev 0

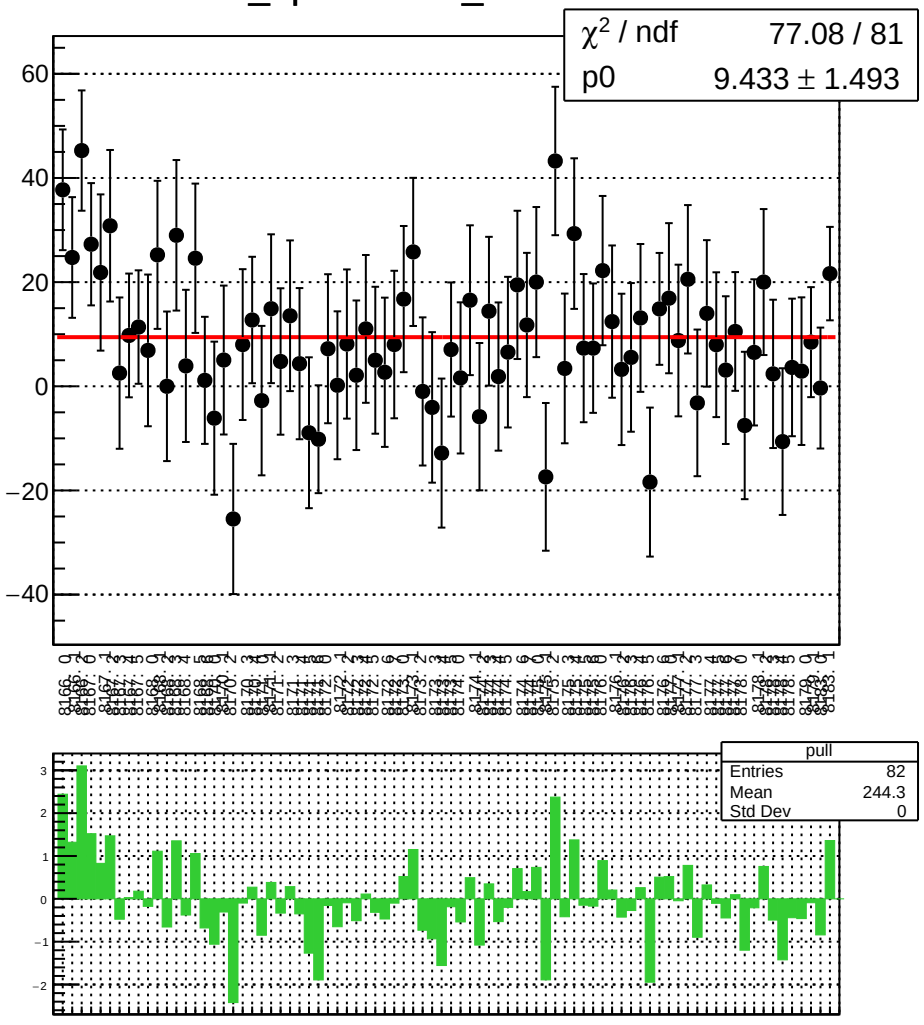

pull1D
Entries 82
Mean −0.04195
Std Dev 0.9418

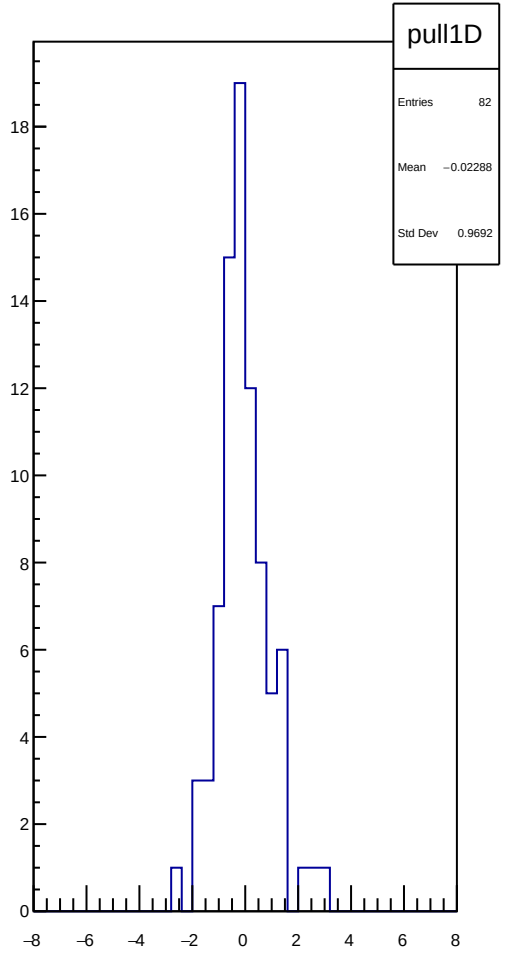

diff_bpm0i01Y_rms vs run
χ² / ndf 2.556e+04 / 81
p0 1517 ± 1.216
1700
1600
1500
1400
1300
1200
1100

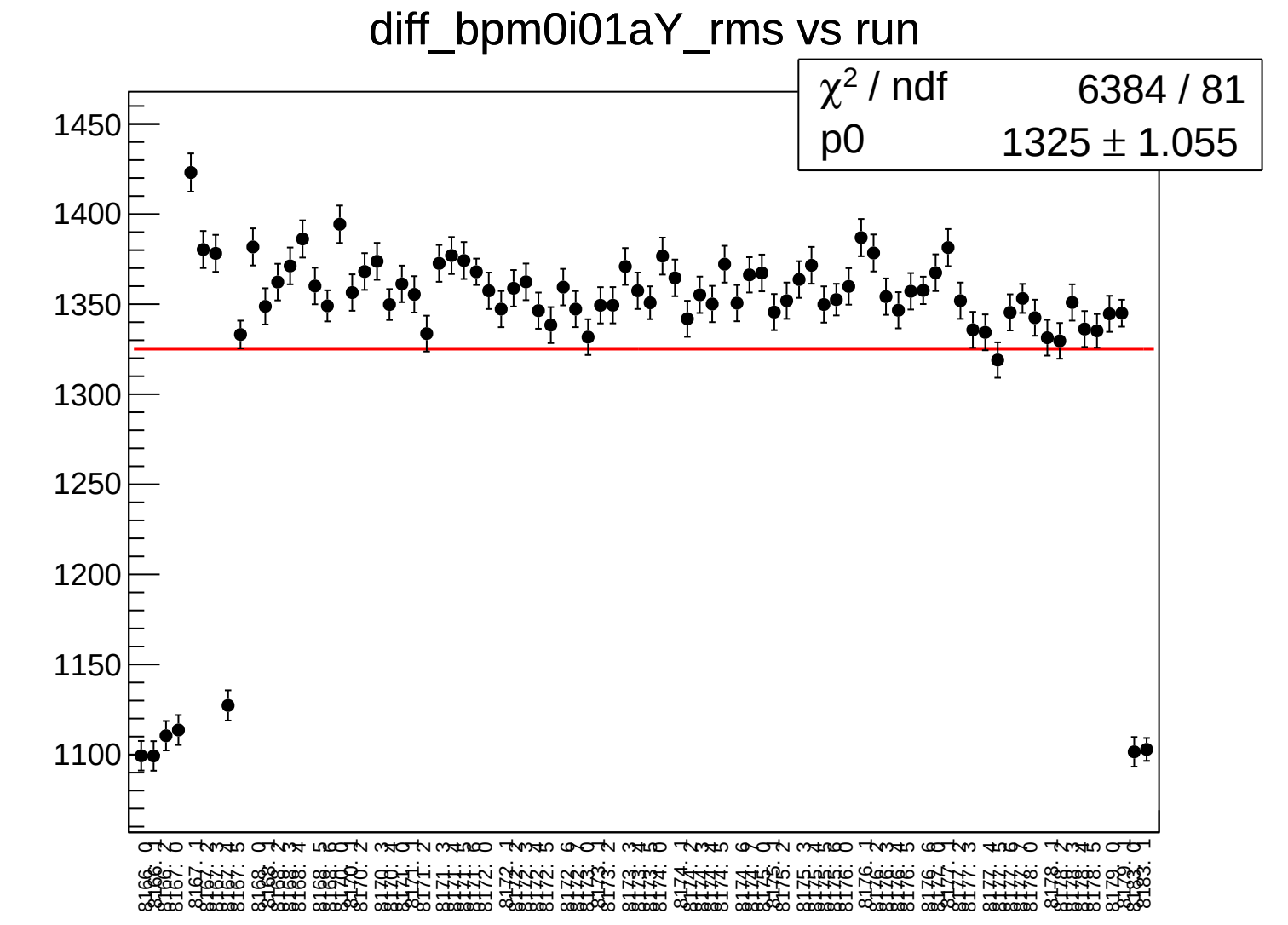

diff_bpm0i01aX_mean vs run
χ² / ndf 102.9 / 81
p0 29.52 ± 1.669
pull
Entries 82
Mean 93.59
Std Dev 0

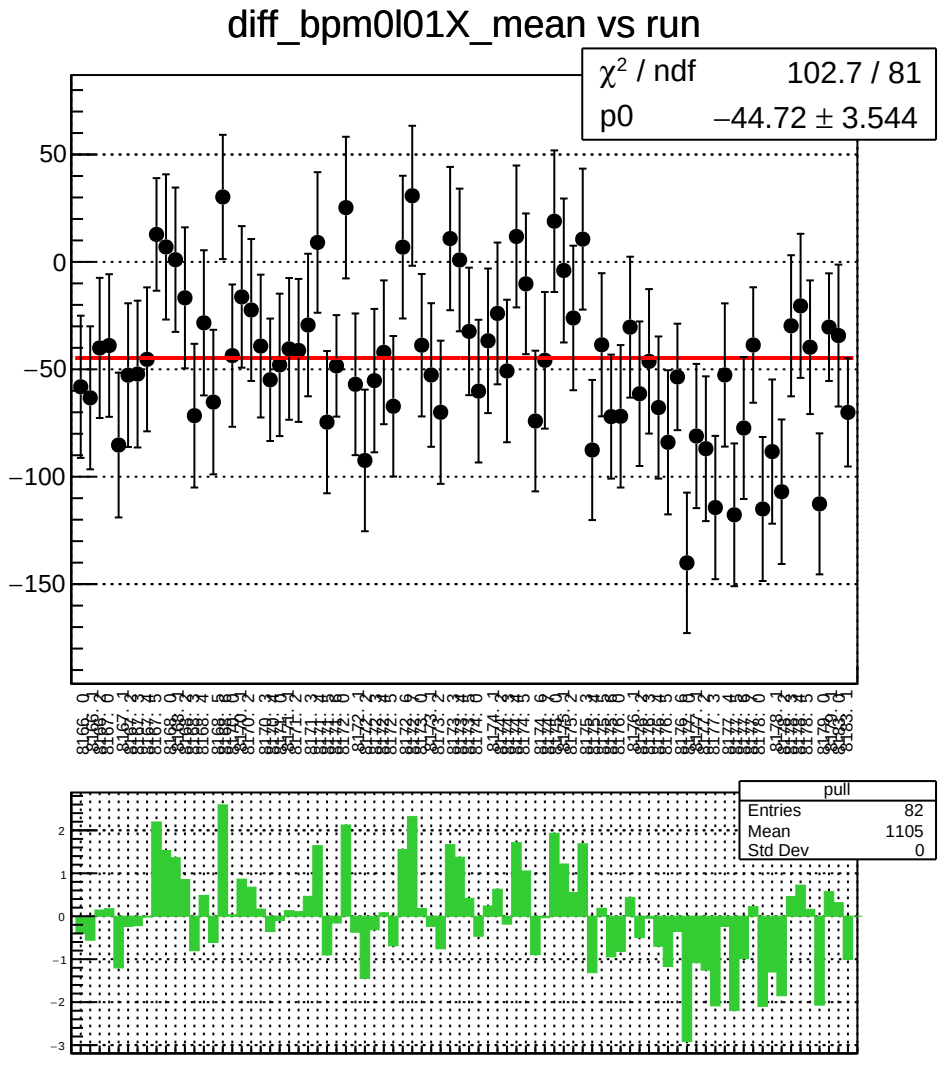

pull1D
Entries 82
Mean −0.02735
Std Dev 1.12

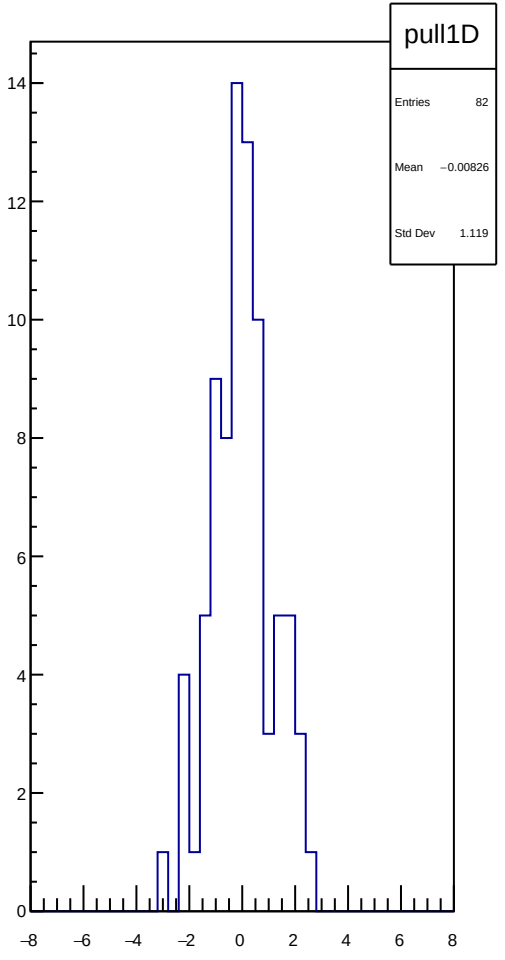

diff_bpm0i01aX_rms vs run
χ² / ndf 2.884e+04 / 81
p0 1471 ± 1.18
1700
1600
1500
1400
1300
1200
1100
1000

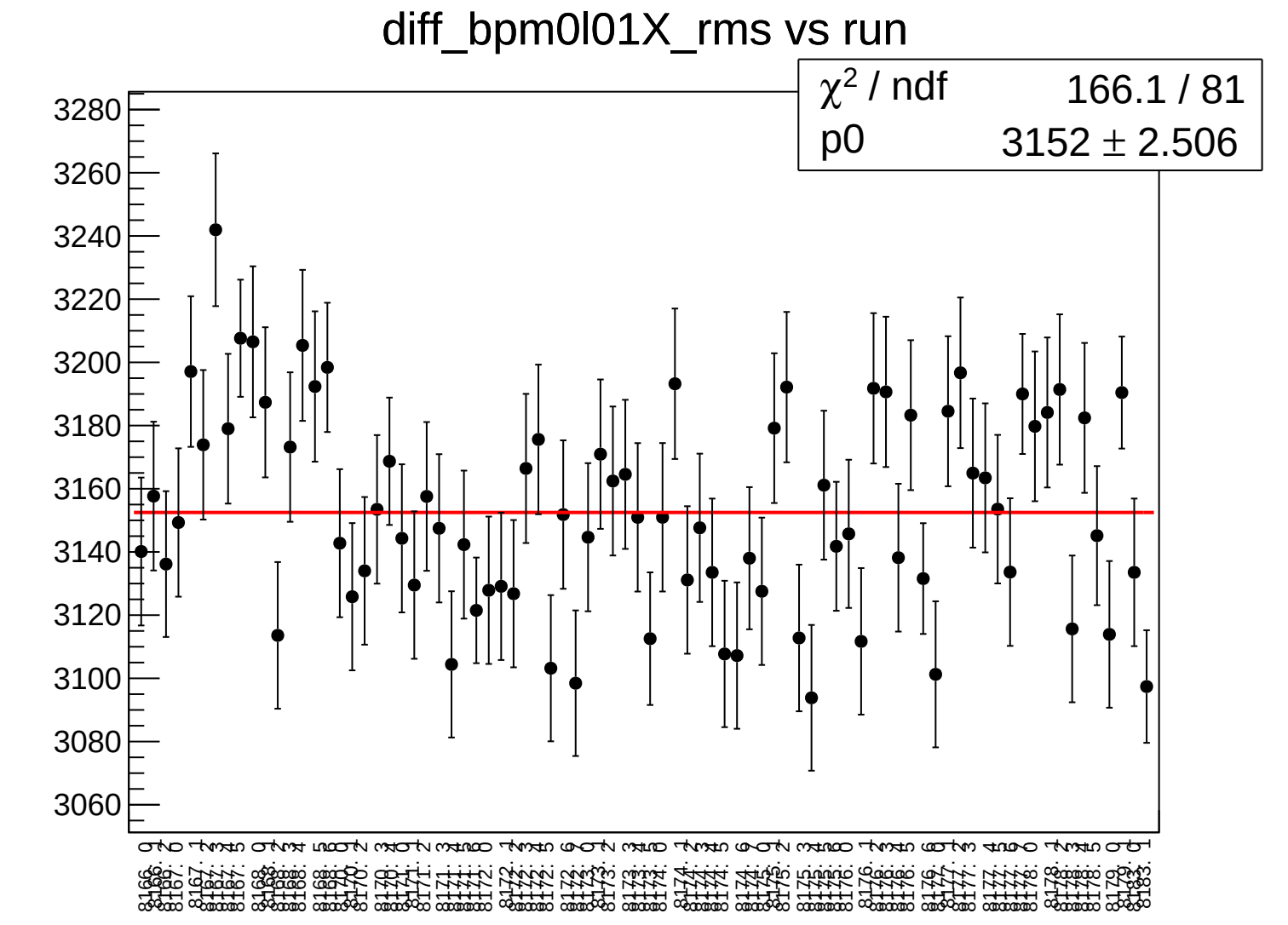

diff_bpm0i01aY_mean vs run
χ² / ndf 77.08 / 81
p0 9.433 ± 1.493
pull
Entries 82
Mean 244.3
Std Dev 0

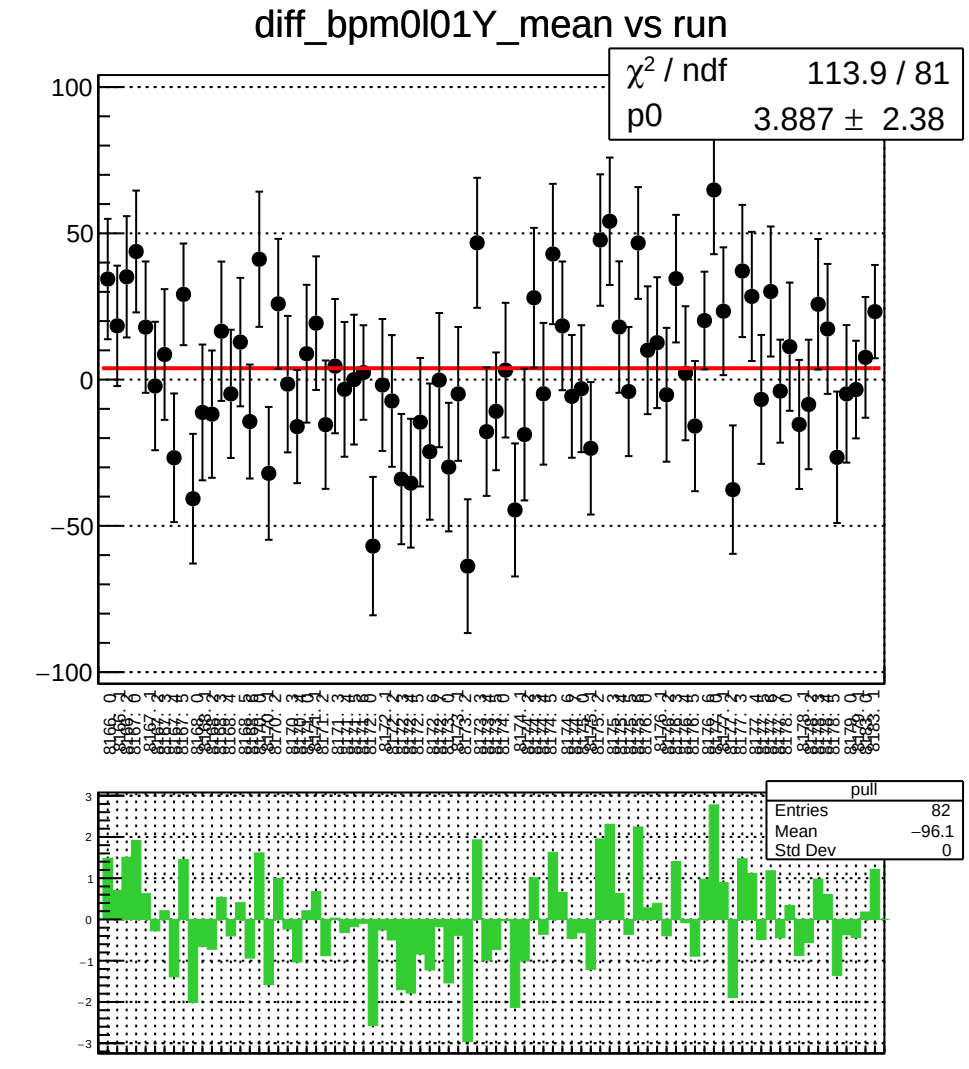

pull1D
Entries 82
Mean −0.02288
Std Dev 0.9692

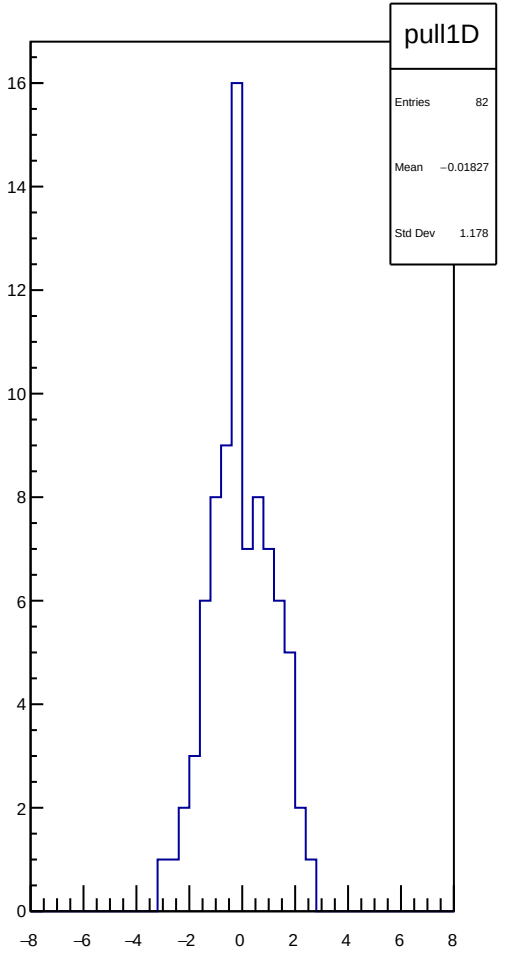

diff_bpm0i01aY_rms vs run
χ^2 / ndf 6384 / 81
p0 1325 ± 1.055
1450
1400
1350
1300
1250
1200
1150
1100

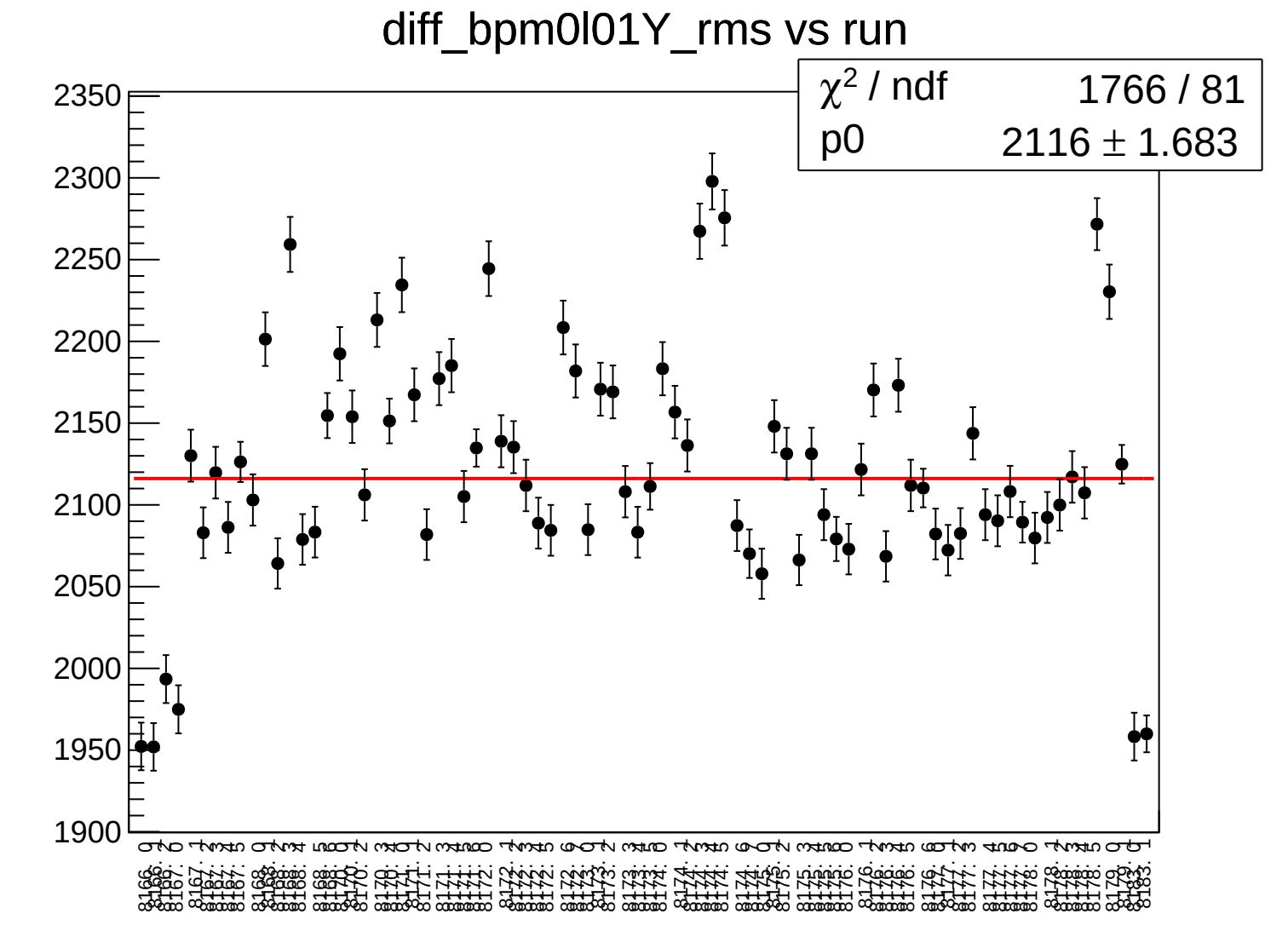

diff_bpm0l01X_mean vs run
χ² / ndf 102.7 / 81
p0 −44.72 ± 3.544
50
0
−50
−100
−150
pull
Entries 82
Mean 1105
Std Dev 0
2
1
0
−1
−2
−3

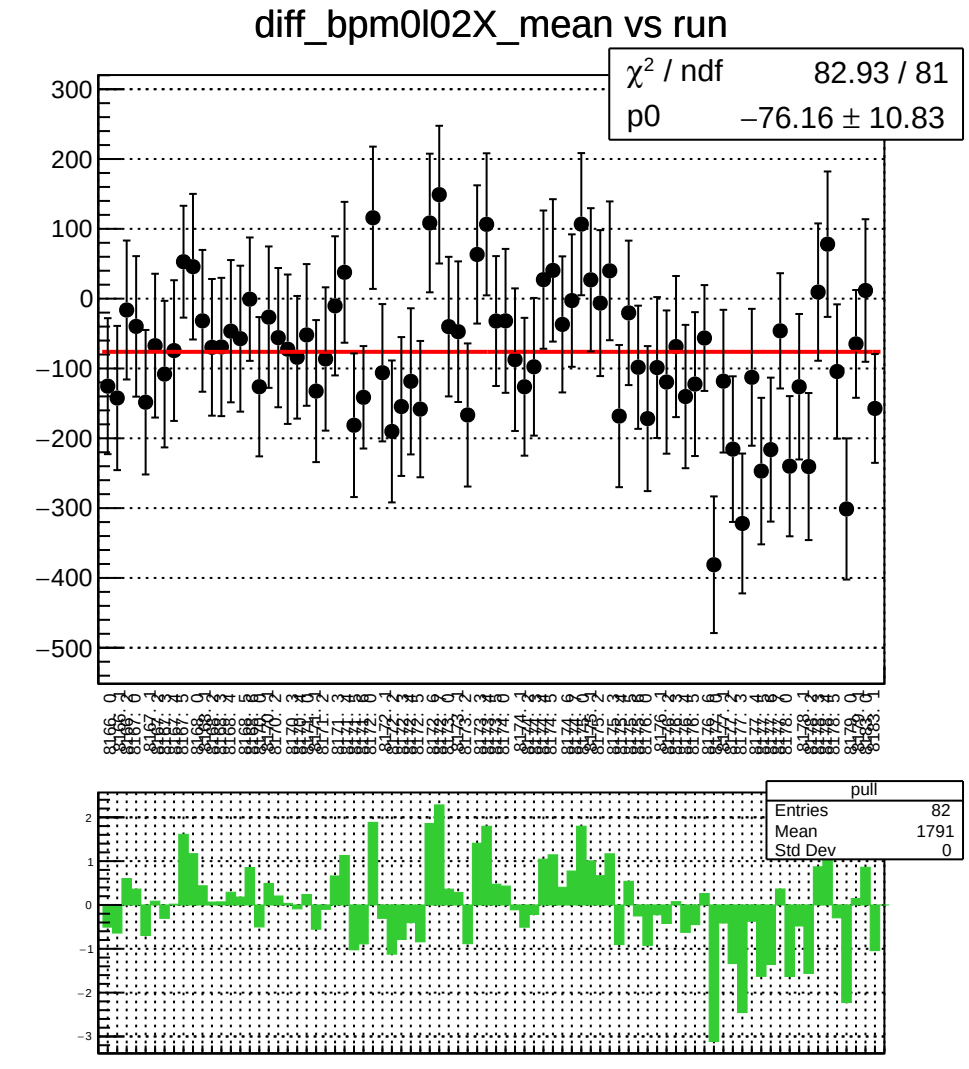

pull1D
Entries 82
Mean −0.00826
Std Dev 1.119
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

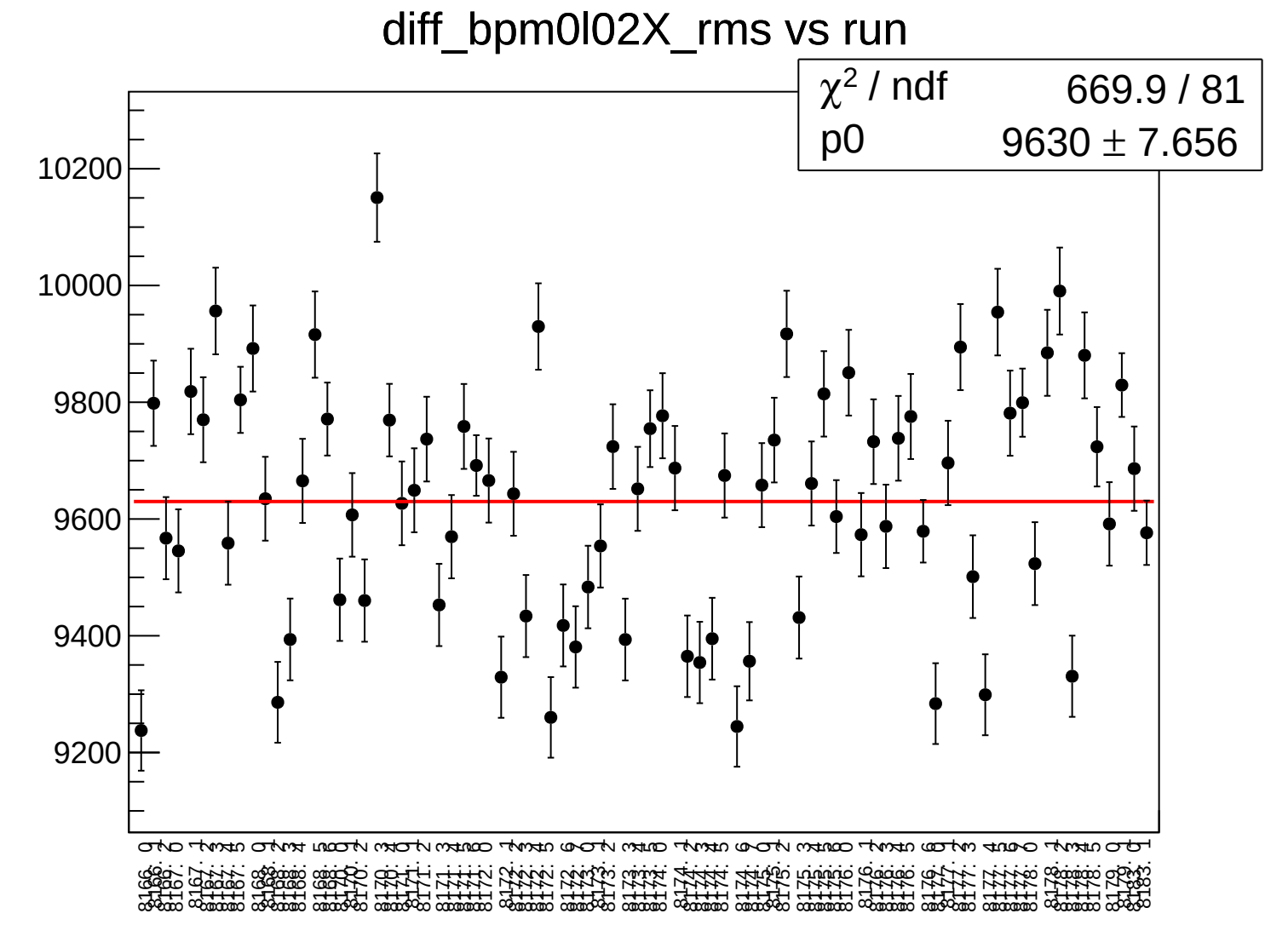

diff_bpm0l01X_rms vs run
χ² / ndf 166.1 / 81
p0 3152 ± 2.506
3280
3260
3240
3220
3200
3180
3160
3140
3120
3100
3080
3060

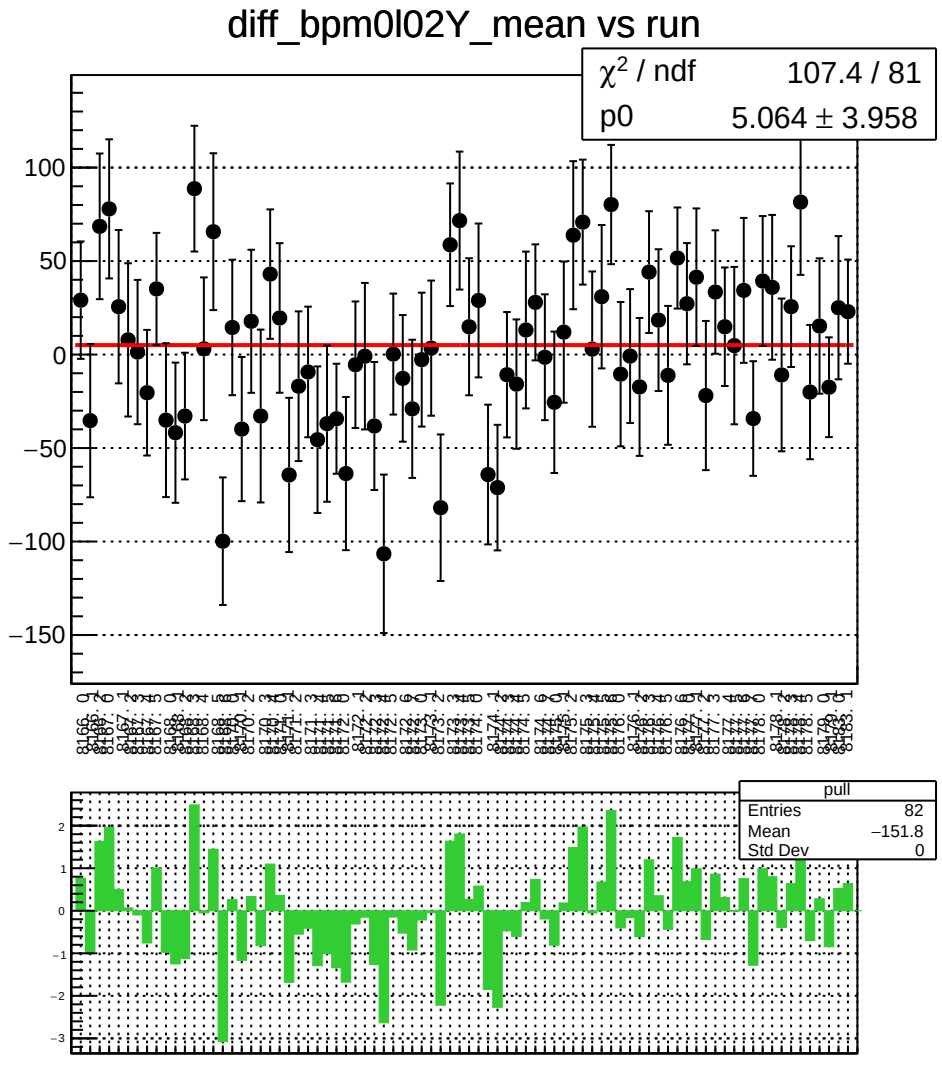

diff_bpm0l01Y_mean vs run
χ² / ndf 113.9 / 81
p0 3.887 ± 2.38
pull
Entries 82
Mean −96.1
Std Dev 0

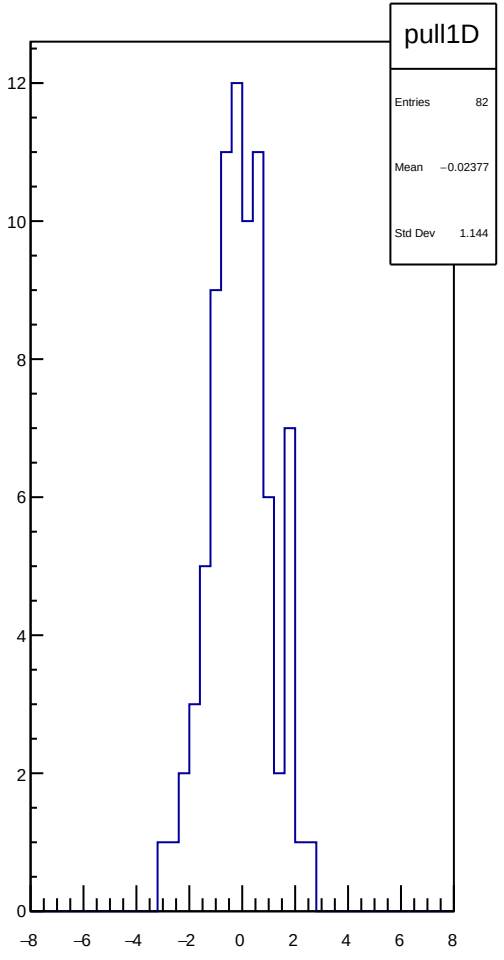

pull1D
Entries 82
Mean −0.01827
Std Dev 1.178

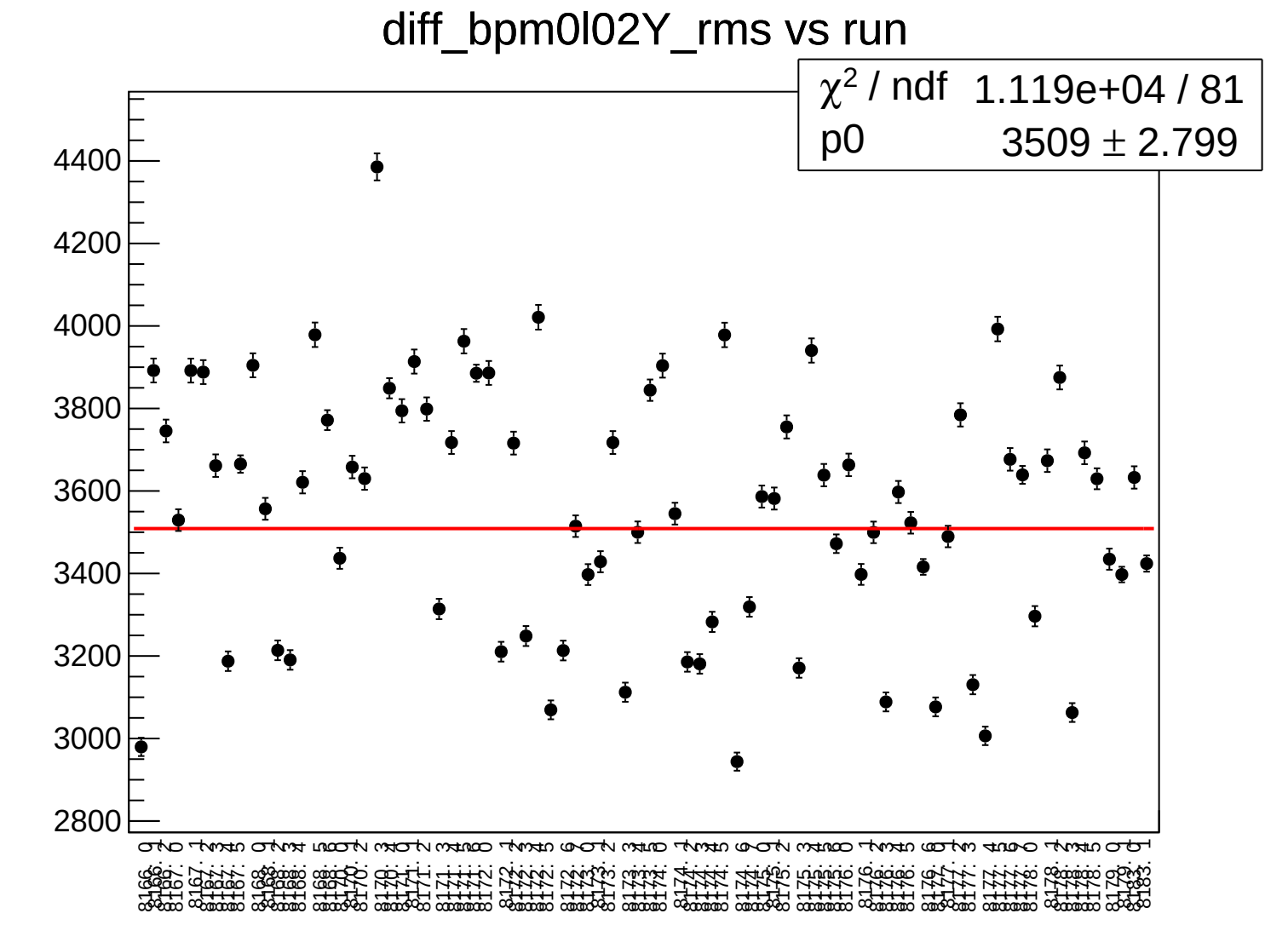

diff_bpm0l01Y_rms vs run
χ² / ndf 1766 / 81
p0 2116 ± 1.683
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900

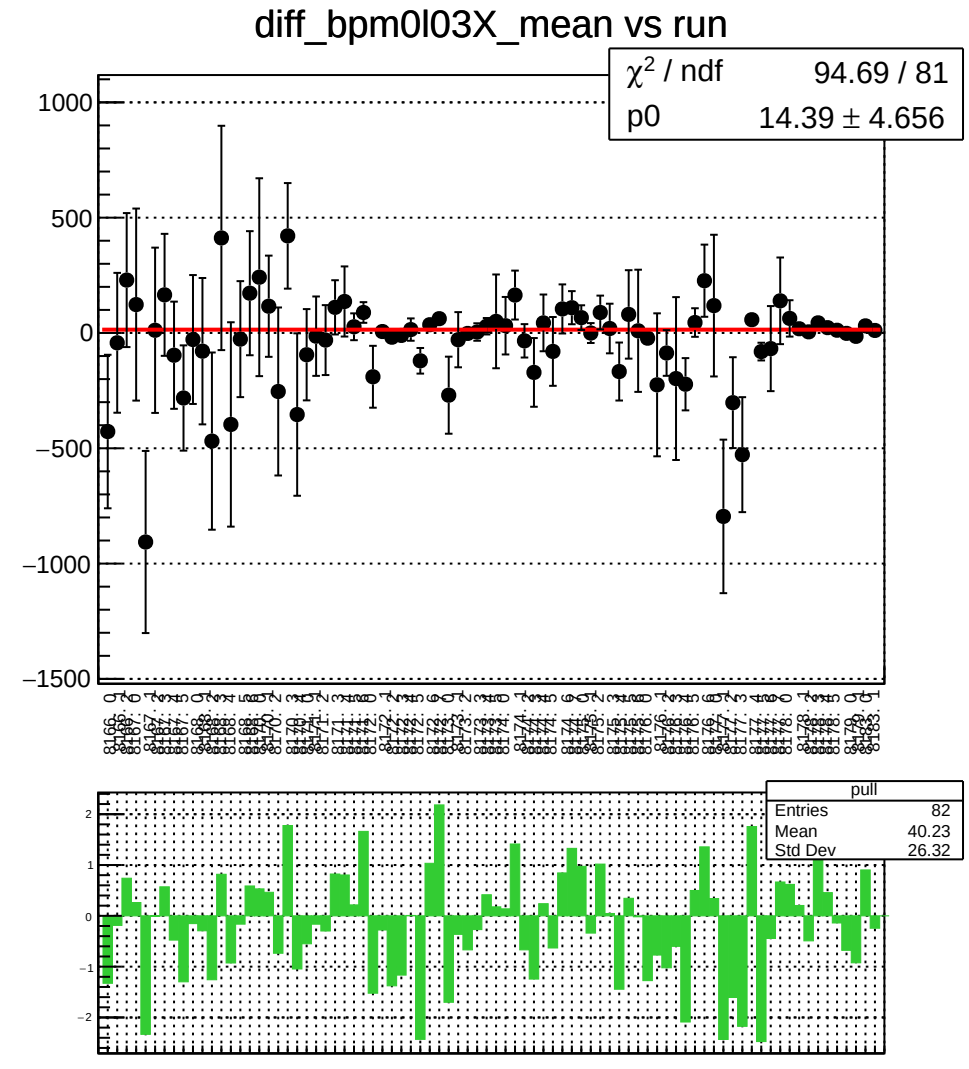

diff_bpm0l02X_mean vs run
χ² / ndf 82.93 / 81
p0 −76.16 ± 10.83
pull
Entries 82
Mean 1791
Std Dev 0
pull1D
Entries 82
Mean −0.003465
Std Dev 1.006

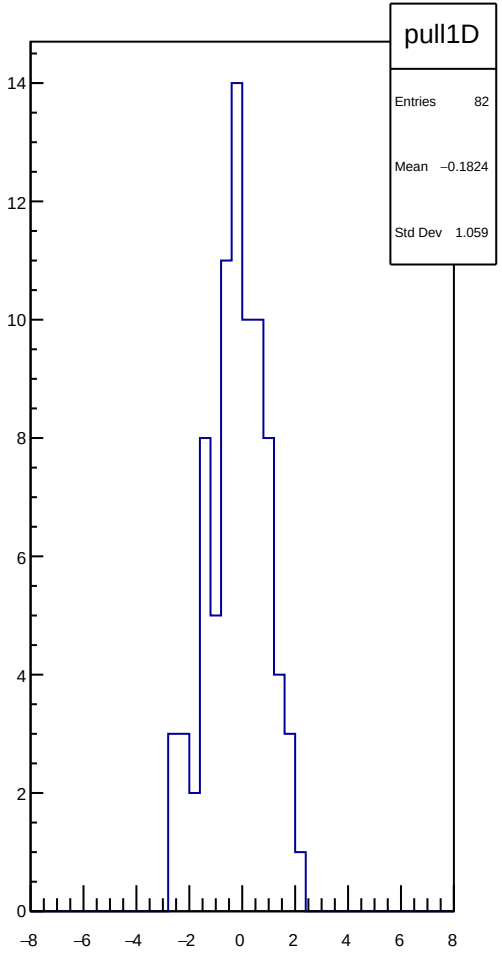

diff_bpm0l02X_rms vs run
χ² / ndf 669.9 / 81
p0 9630 ± 7.656
10200
10000
9800
9600
9400
9200


diff_bpm0l02Y_mean vs run
χ^2 / ndf 107.4 / 81
p0 5.064 ± 3.958
pull
Entries 82
Mean −151.8
Std Dev 0

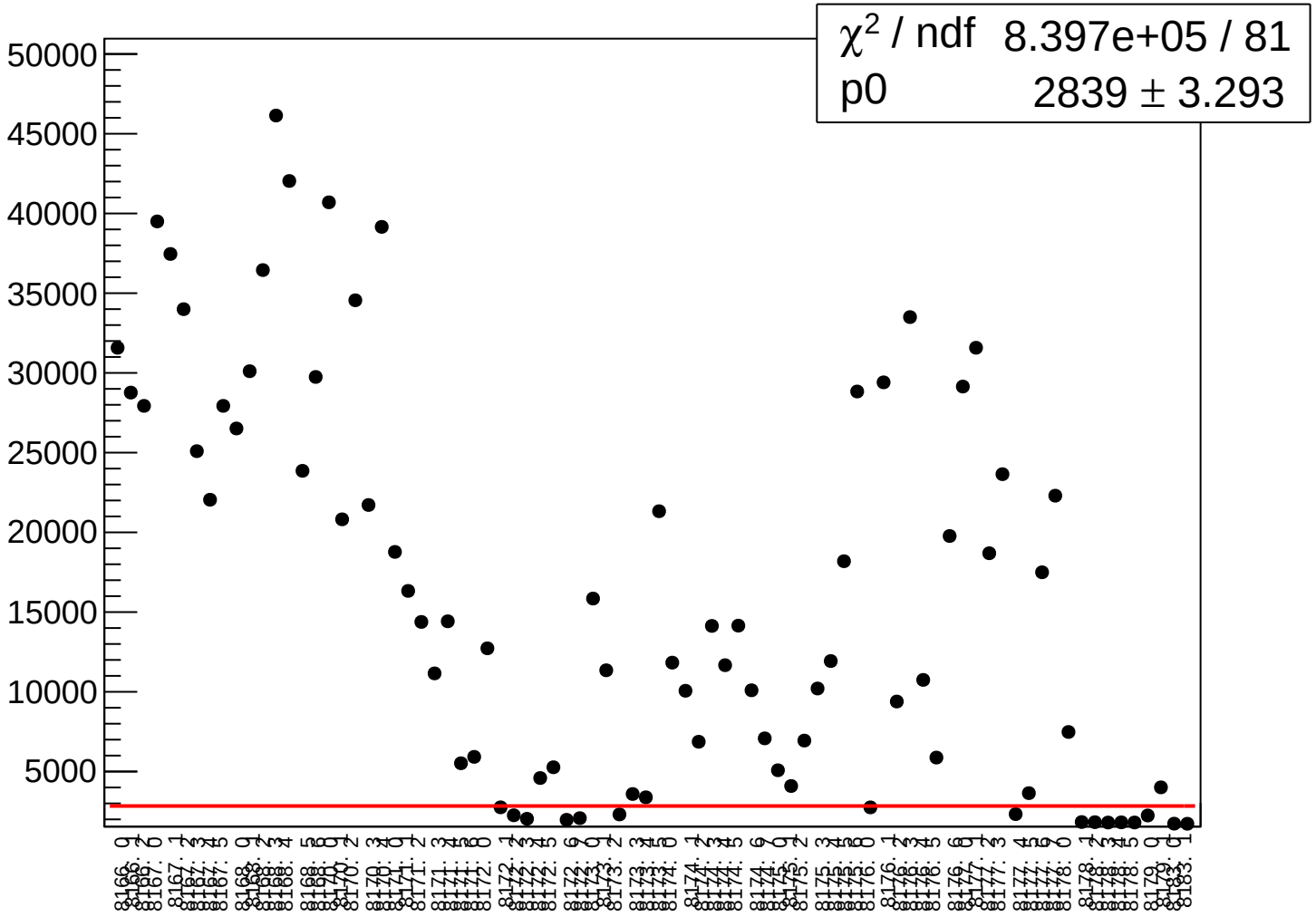

pull1D
Entries 82
Mean −0.02377
Std Dev 1.144

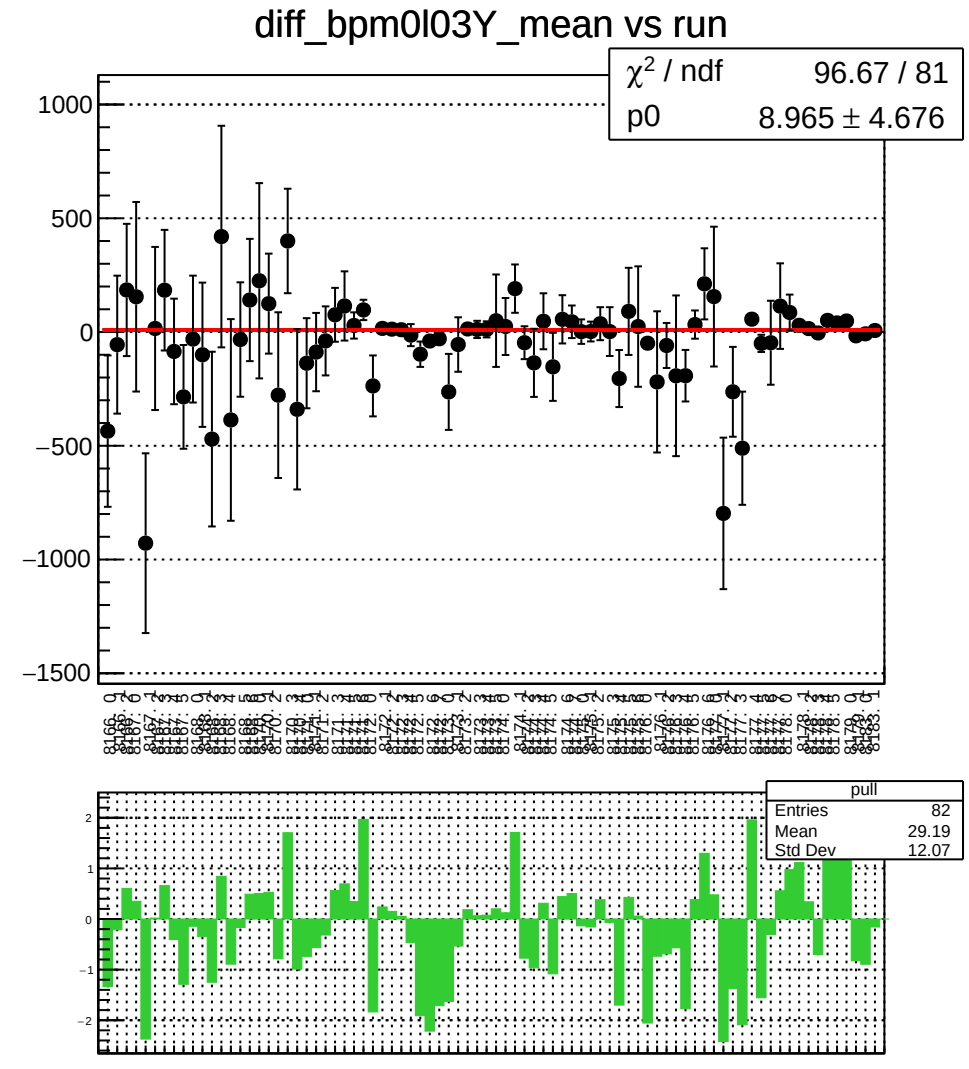

diff_bpm0l02Y_rms vs run
χ² / ndf 1.119e+04 / 81
p0 3509 ± 2.799
4400
4200
4000
3800
3600
3400
3200
3000
2800

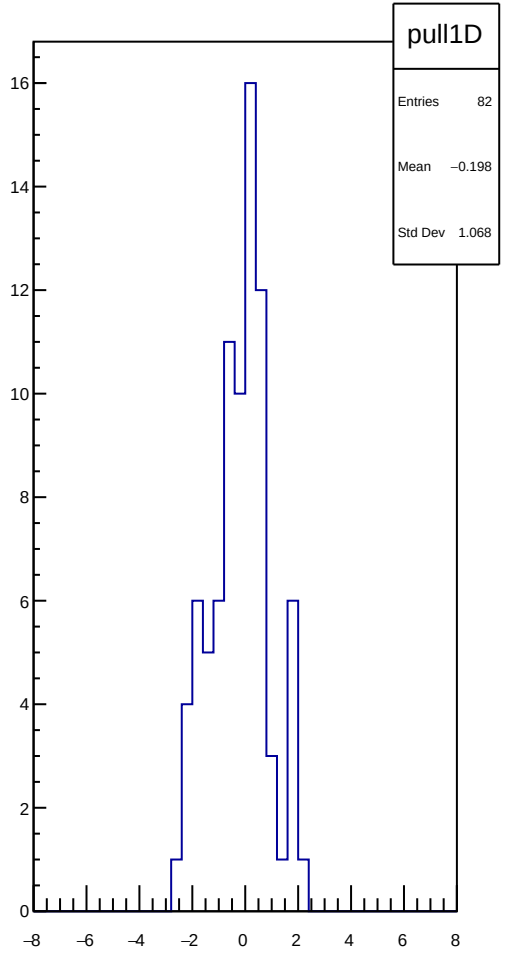

diff_bpm0l03X_mean vs run
χ² / ndf 94.69 / 81
p0 14.39 ± 4.656
pull
Entries 82
Mean 40.23
Std Dev 26.32

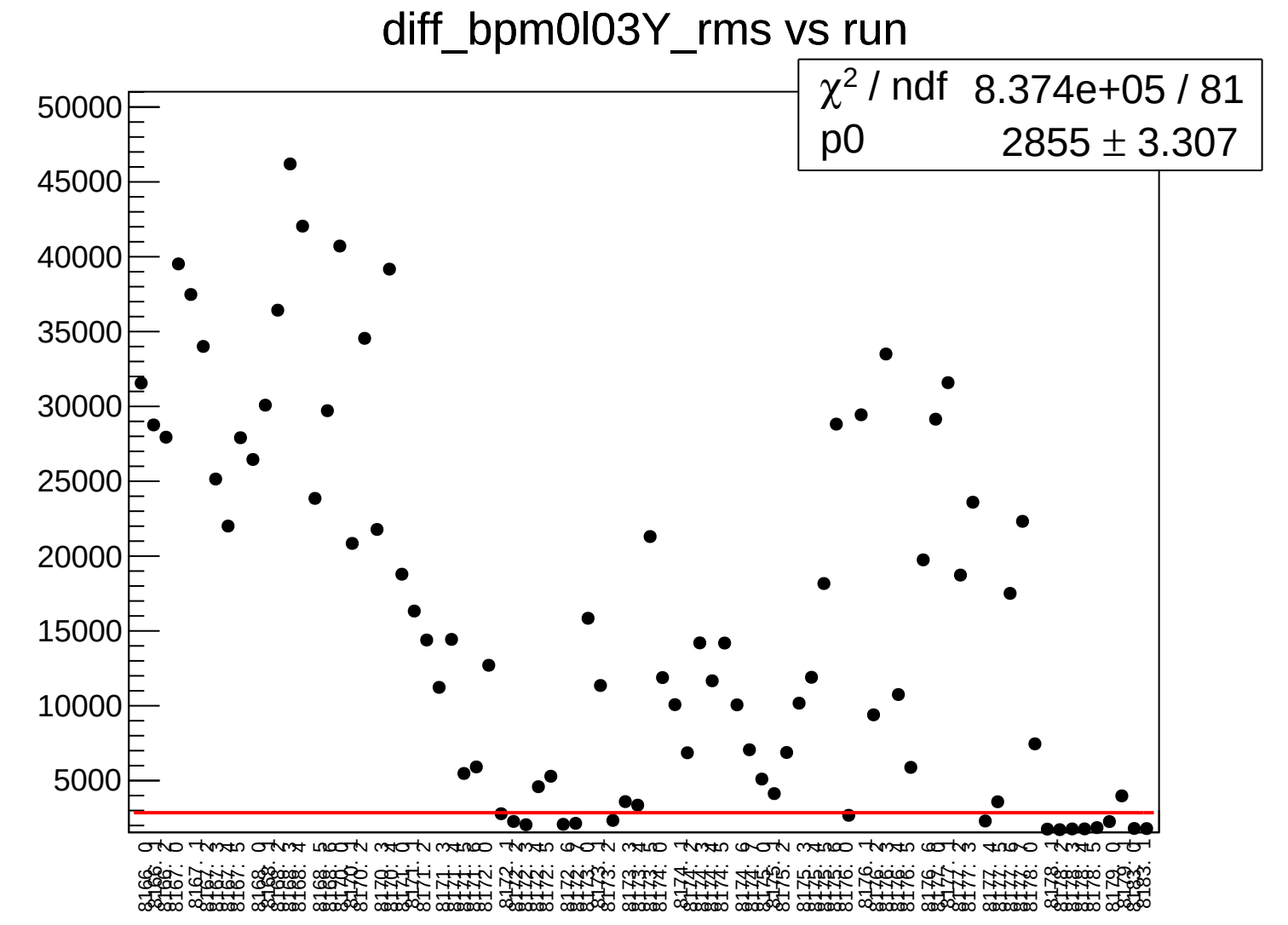

pull1D
Entries 82
Mean −0.1824
Std Dev 1.059

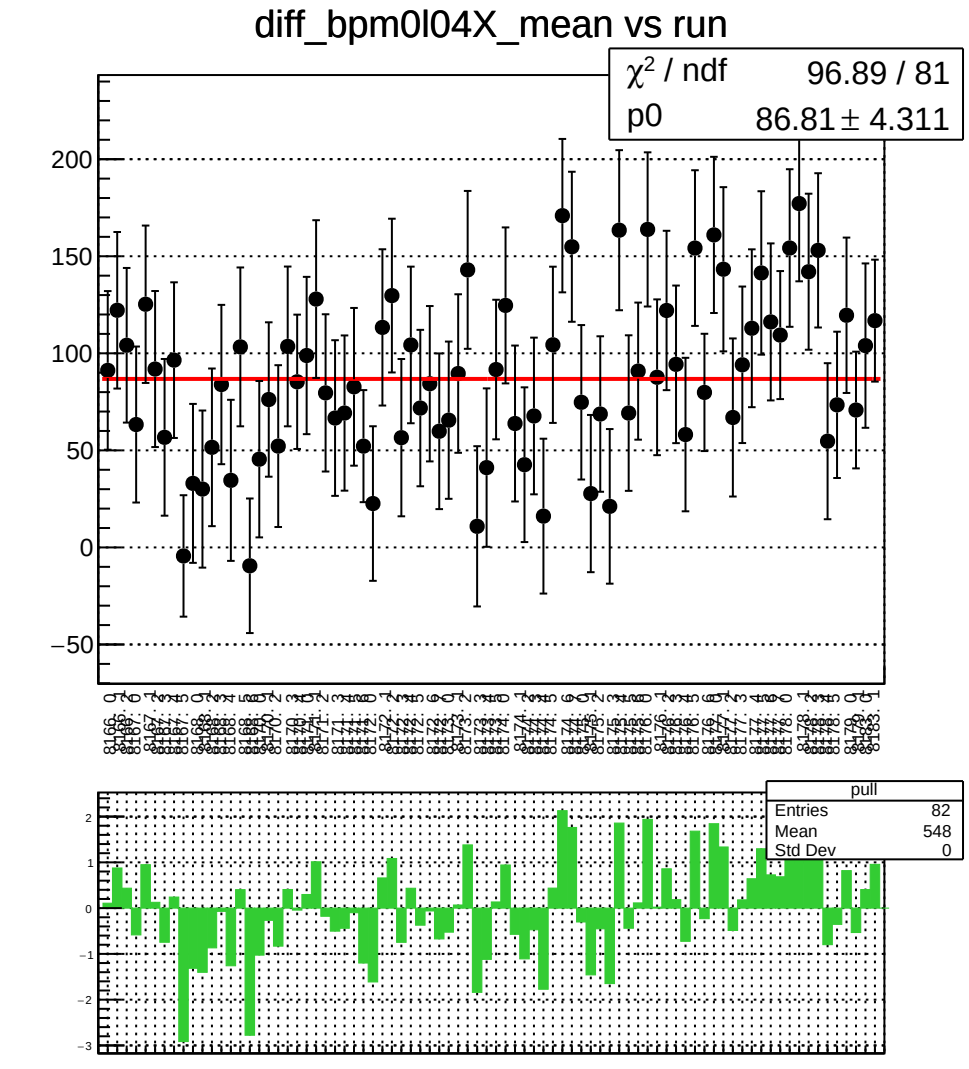
diff_bpm0l03X_rms vs run

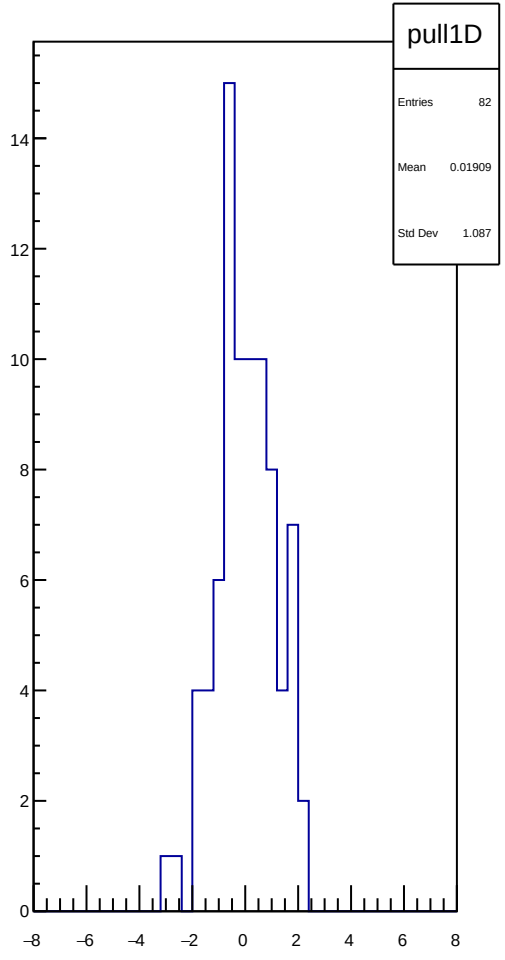


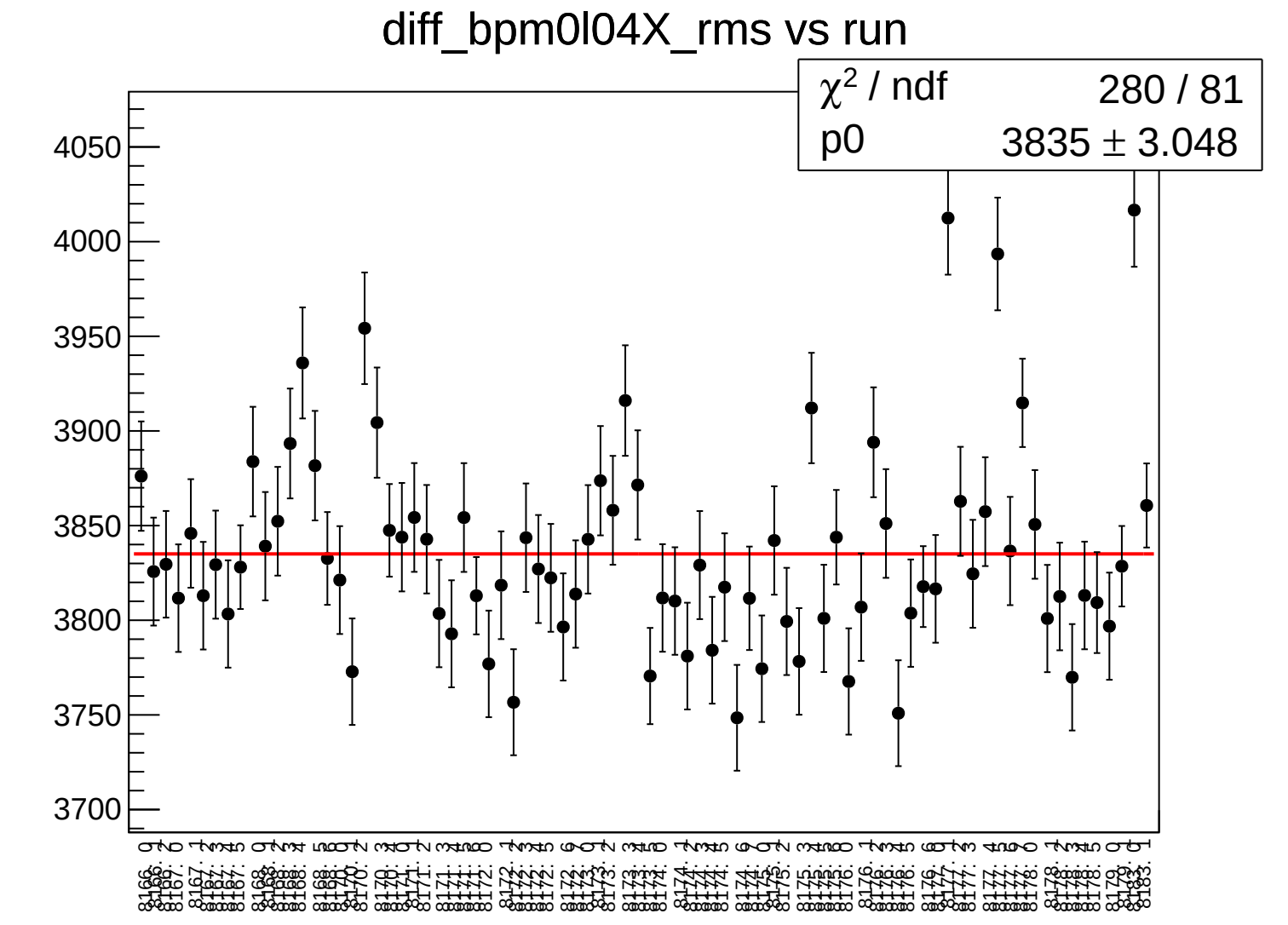

diff_bpm0l03Y_mean vs run
χ² / ndf 96.67 / 81
p0 8.965 ± 4.676
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean 29.19
Std Dev 12.07
2
1
0
−1
−2

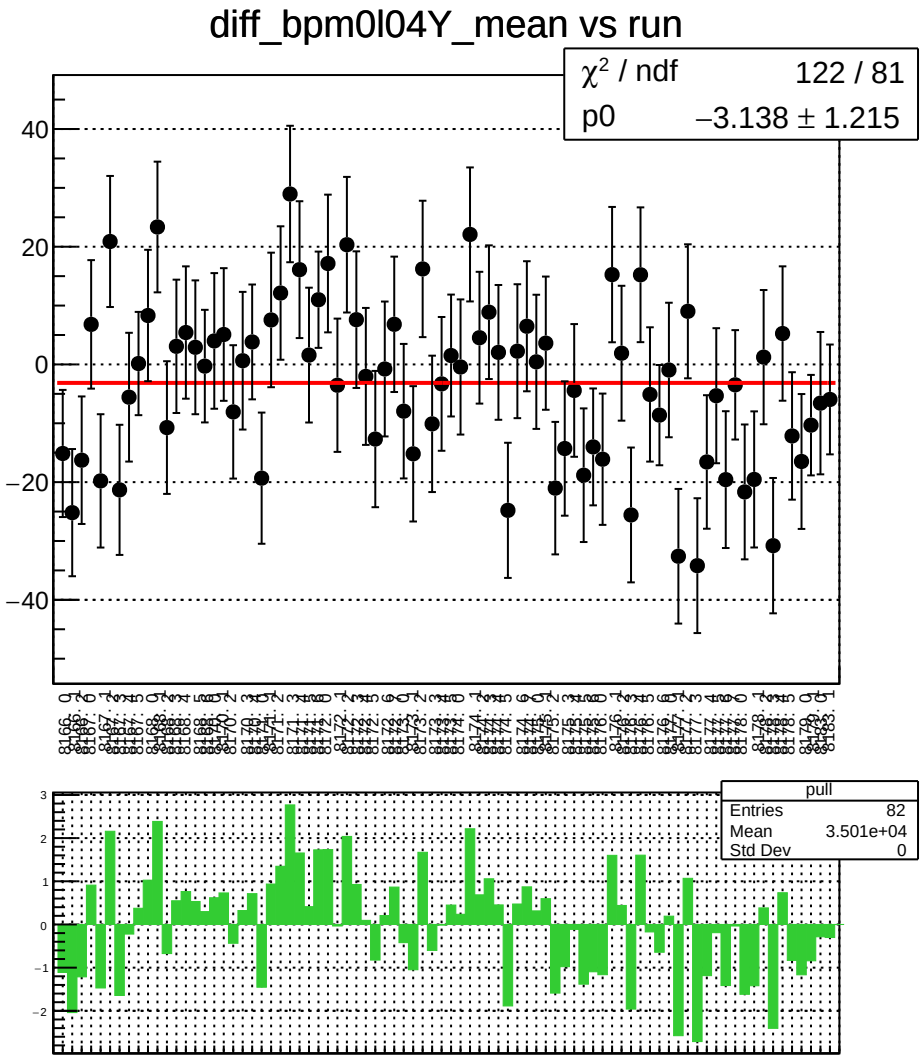

pull1D
Entries 82
Mean −0.198
Std Dev 1.068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

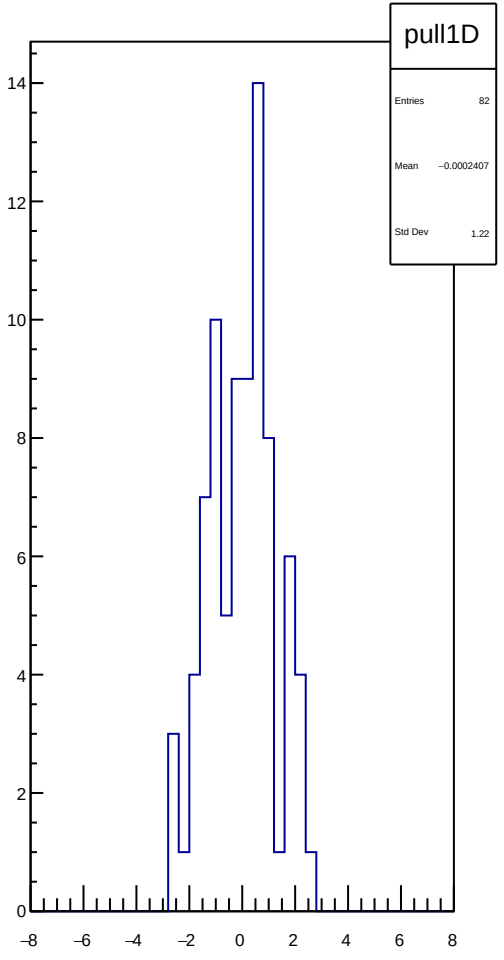

diff_bpm0l03Y_rms vs run
χ² / ndf 8.374e+05 / 81
p0 2855 ± 3.307
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000

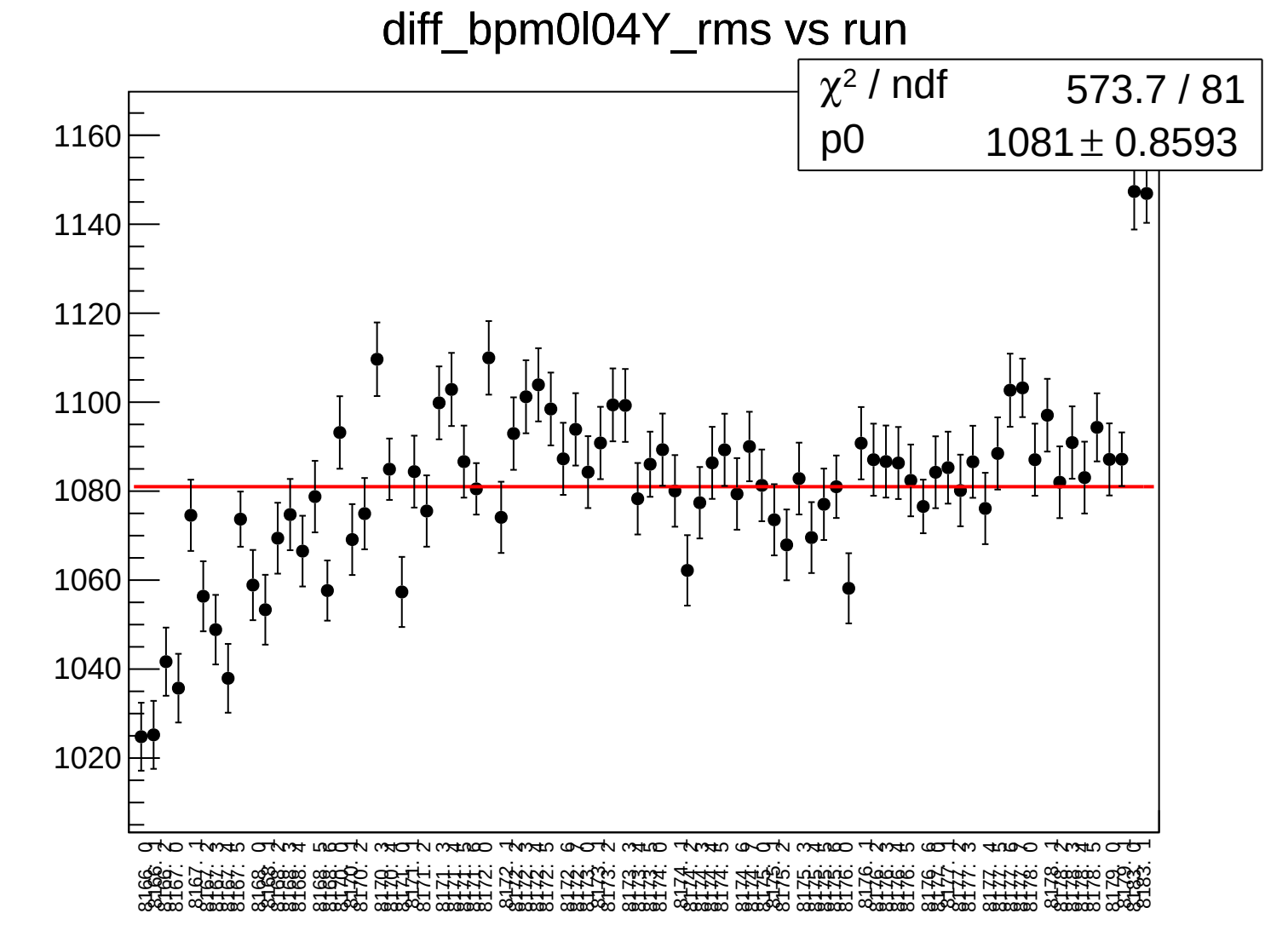

diff_bpm0l04X_mean vs run
χ² / ndf 96.89 / 81
p0 86.81 ± 4.311
pull
Entries 82
Mean 548
Std Dev 0

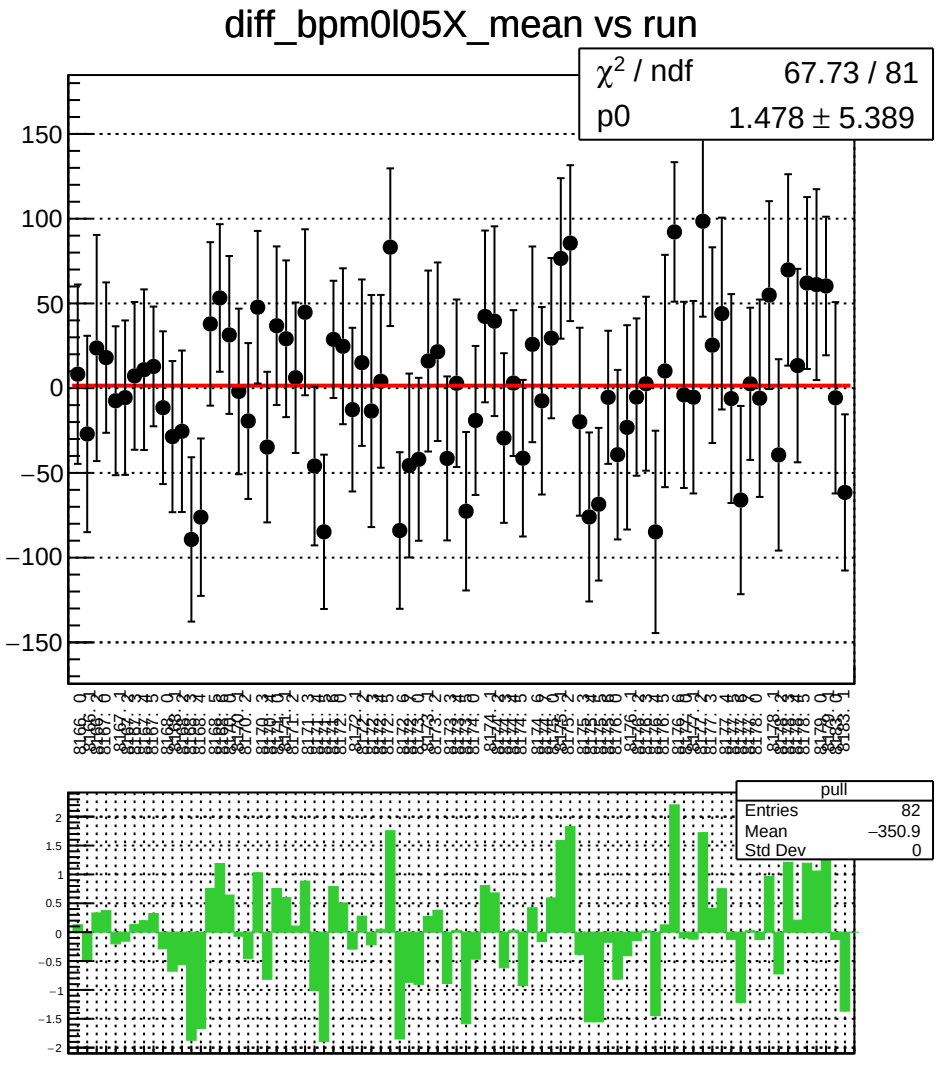

pull1D
Entries 82
Mean 0.01909
Std Dev 1.087

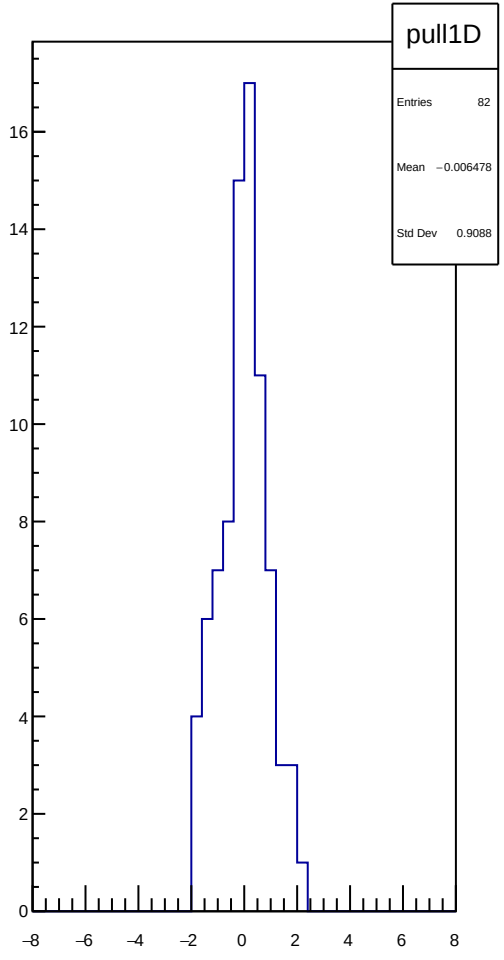

diff_bpm0l04X_rms vs run
χ² / ndf 280 / 81
p0 3835 ± 3.048
4050
4000
3950
3900
3850
3800
3750
3700

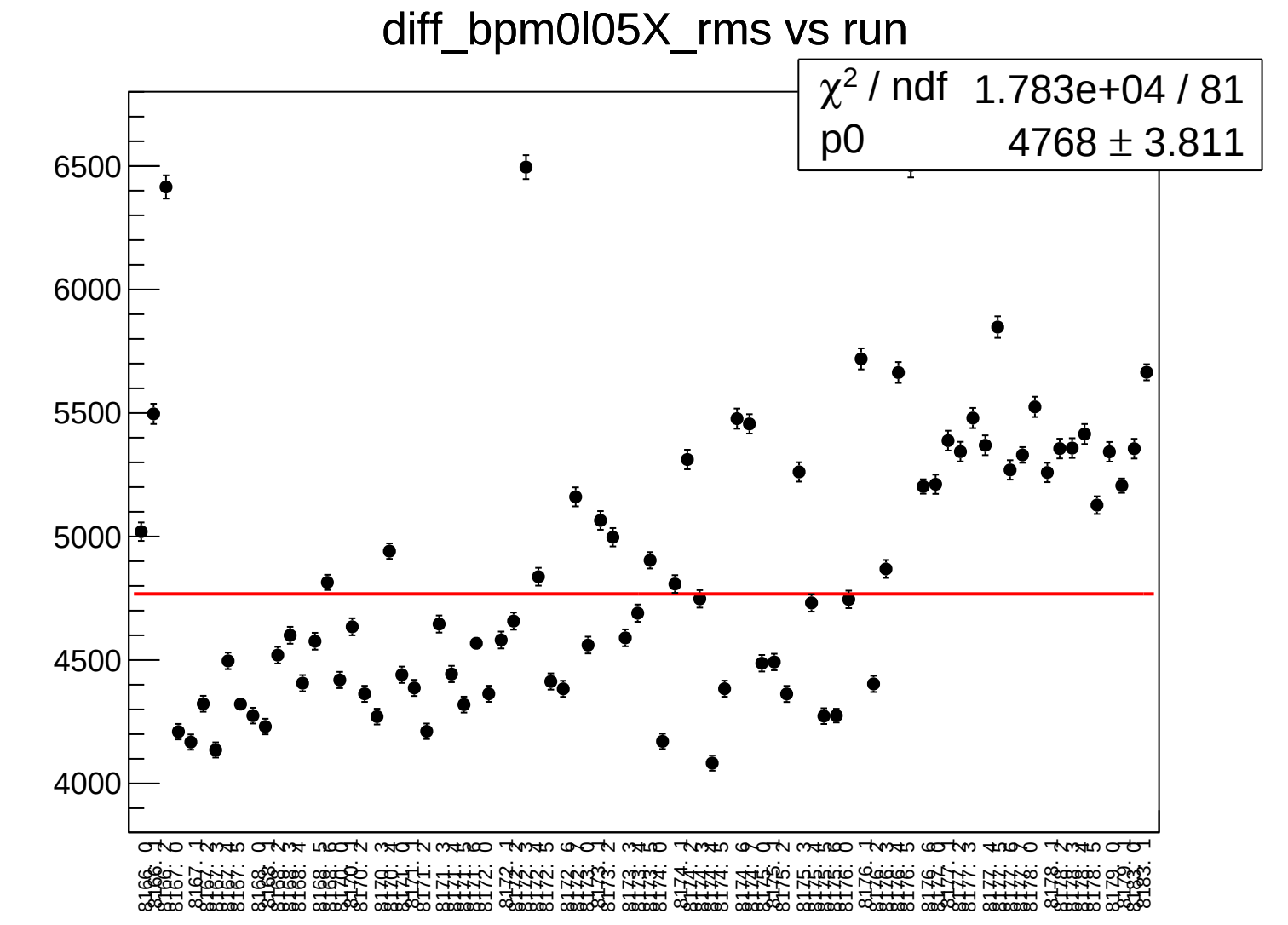

diff_bpm0l04Y_mean vs run
χ² / ndf 122 / 81
p0 −3.138 ± 1.215
pull
Entries 82
Mean 3.501e+04
Std Dev 0

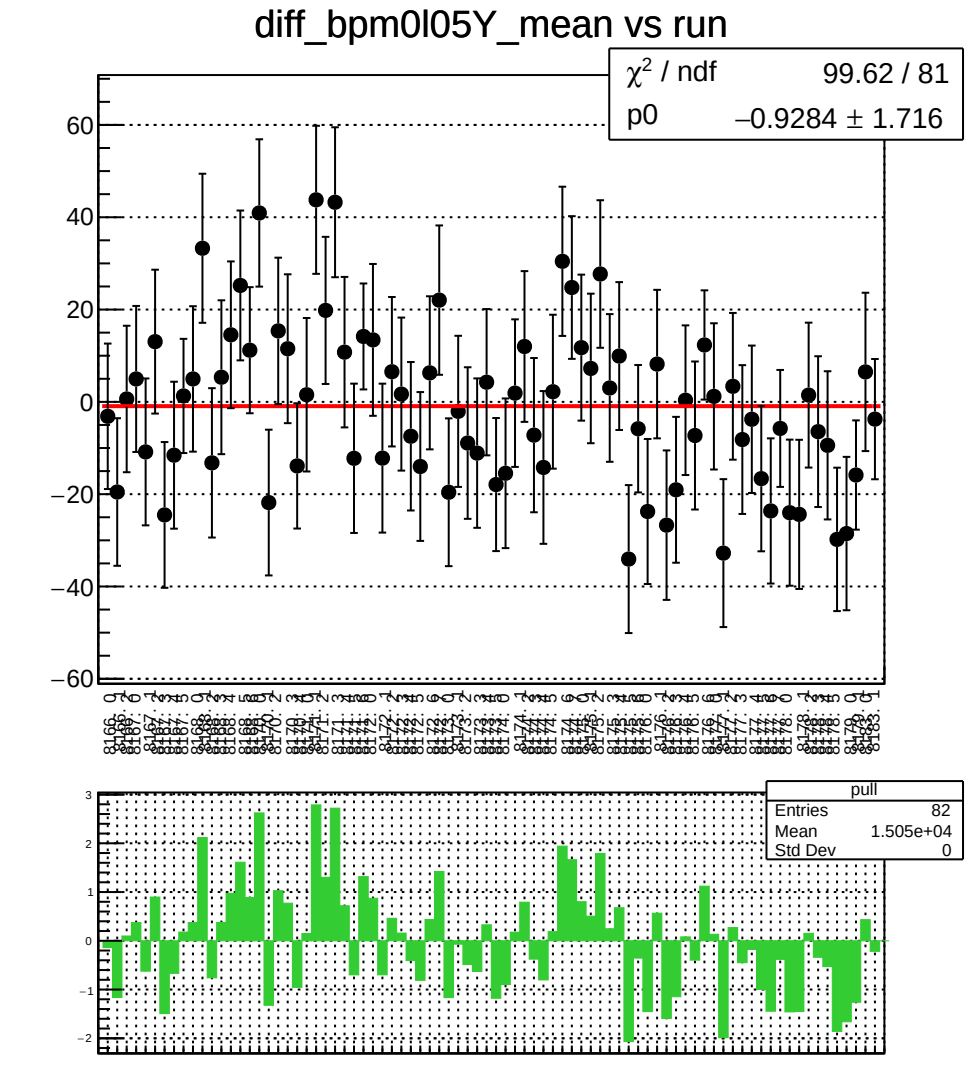

pull1D
Entries 82
Mean −0.0002407
Std Dev 1.22

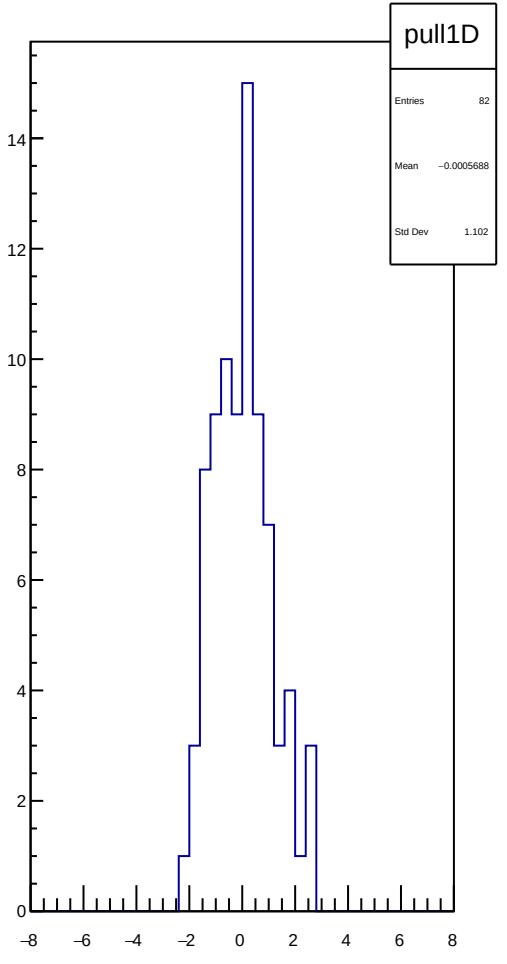

diff_bpm0l04Y_rms vs run
χ² / ndf 573.7 / 81
p0 1081 ± 0.8593
1160
1140
1120
1100
1080
1060
1040
1020

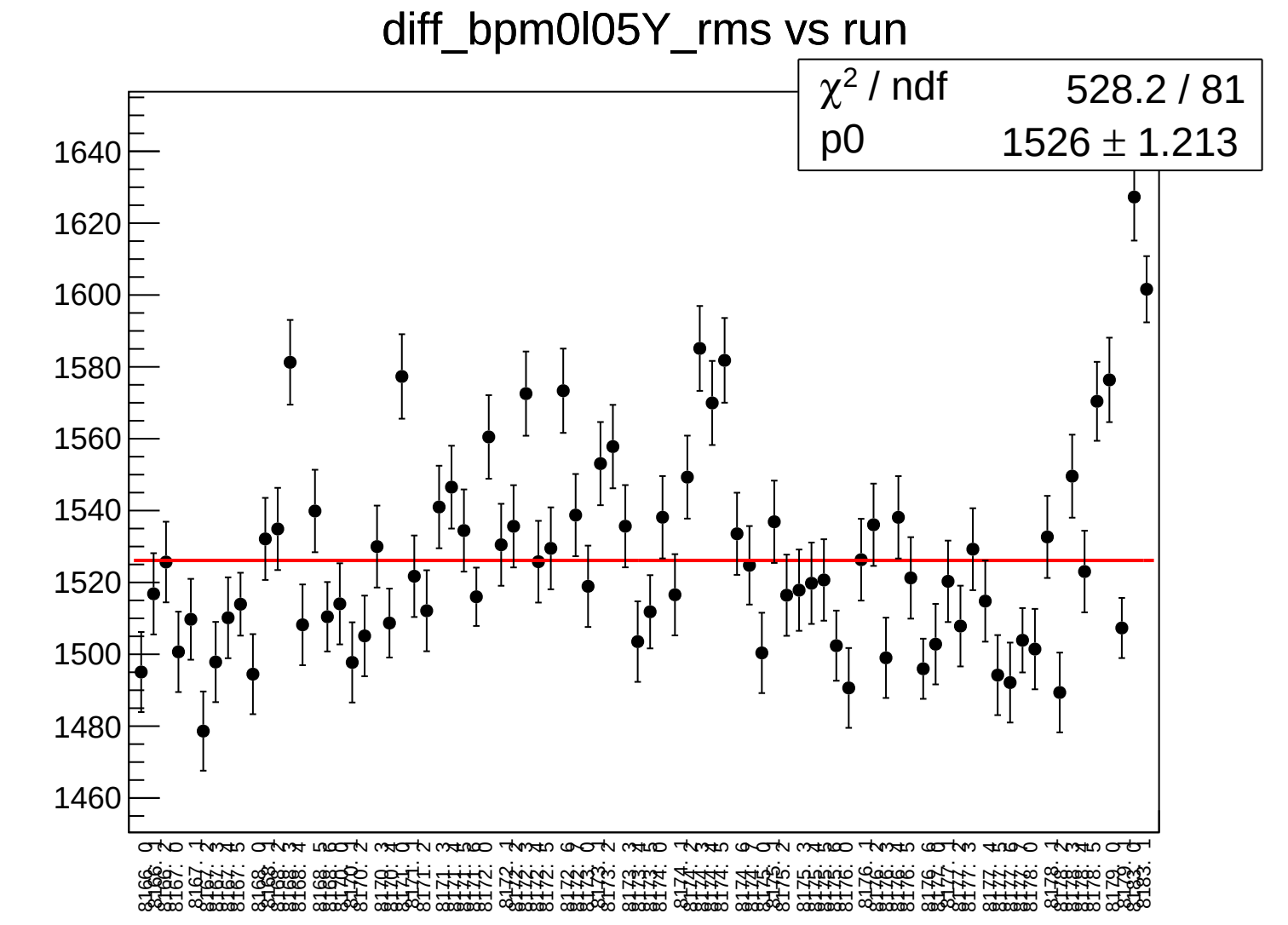

diff_bpm0l05X_mean vs run
χ² / ndf 67.73 / 81
p0 1.478 ± 5.389
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −350.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

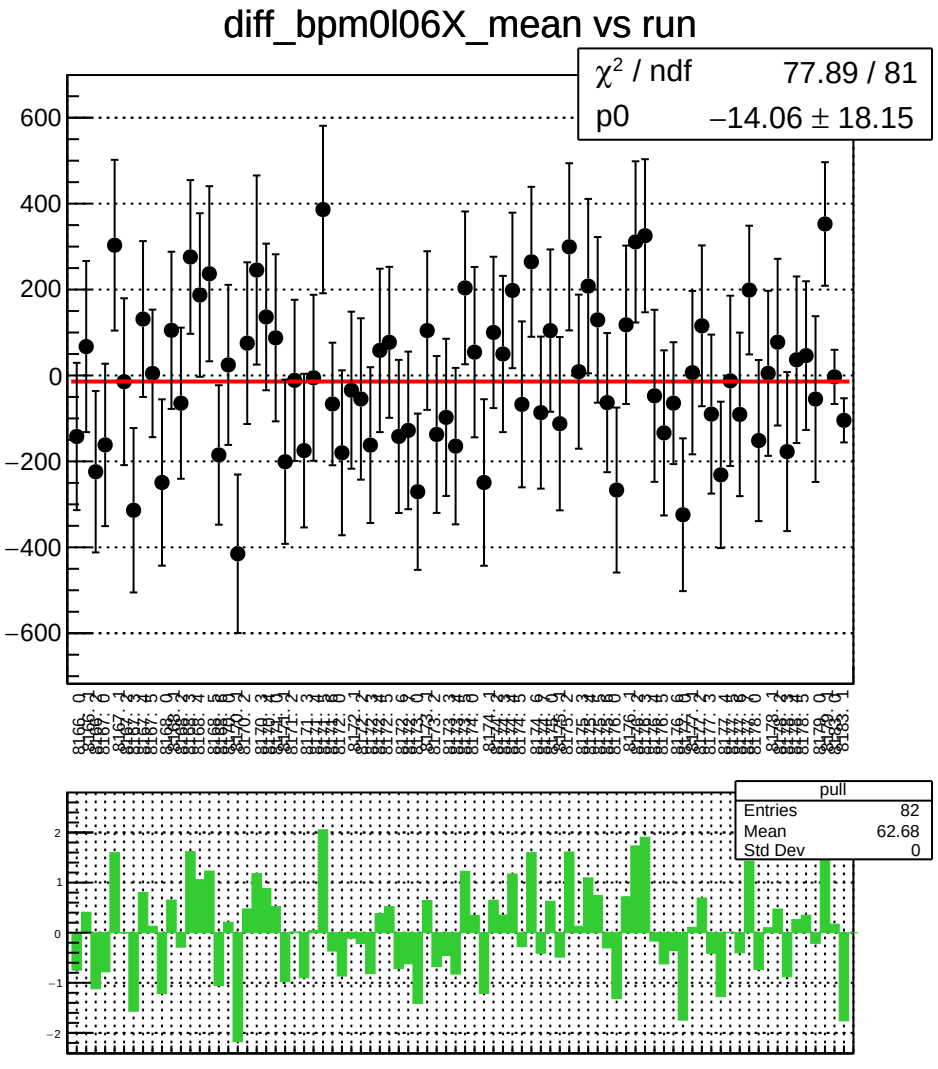

pull1D
Entries 82
Mean −0.006478
Std Dev 0.9088
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

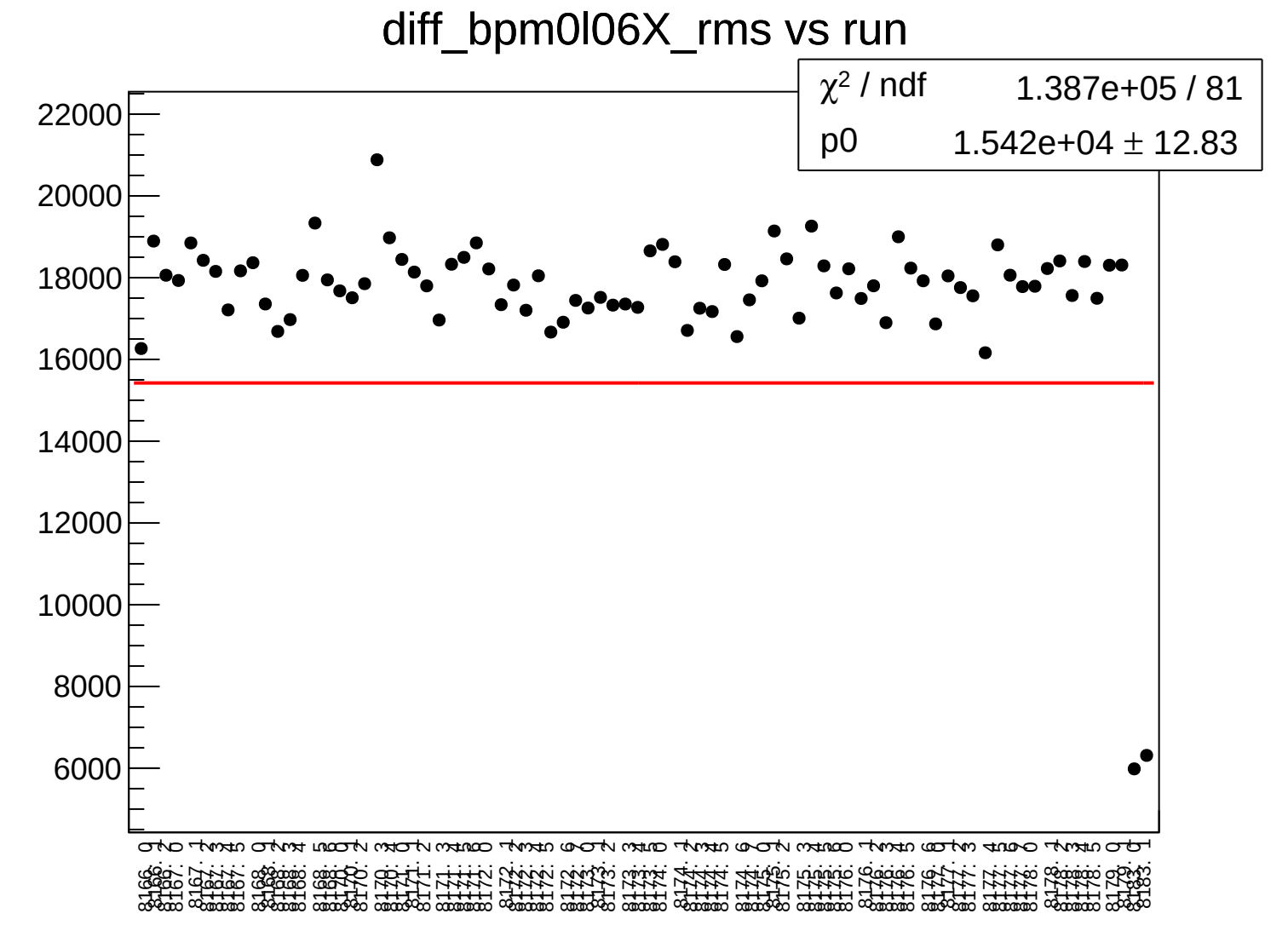

diff_bpm0l05X_rms vs run
χ² / ndf 1.783e+04 / 81
p0 4768 ± 3.811
6500
6000
5500
5000
4500
4000

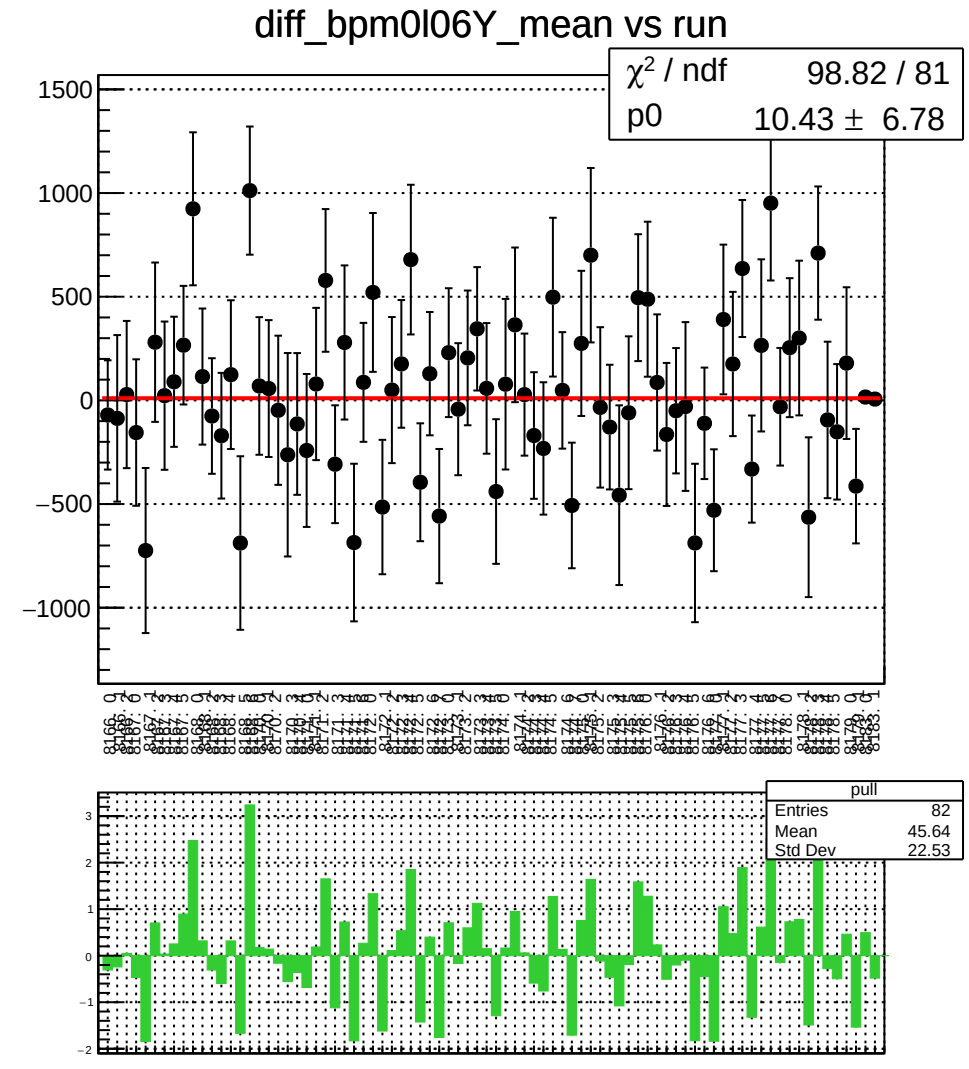

diff_bpm0l05Y_mean vs run
χ² / ndf 99.62 / 81
p0 −0.9284 ± 1.716
pull
Entries 82
Mean 1.505e+04
Std Dev 0

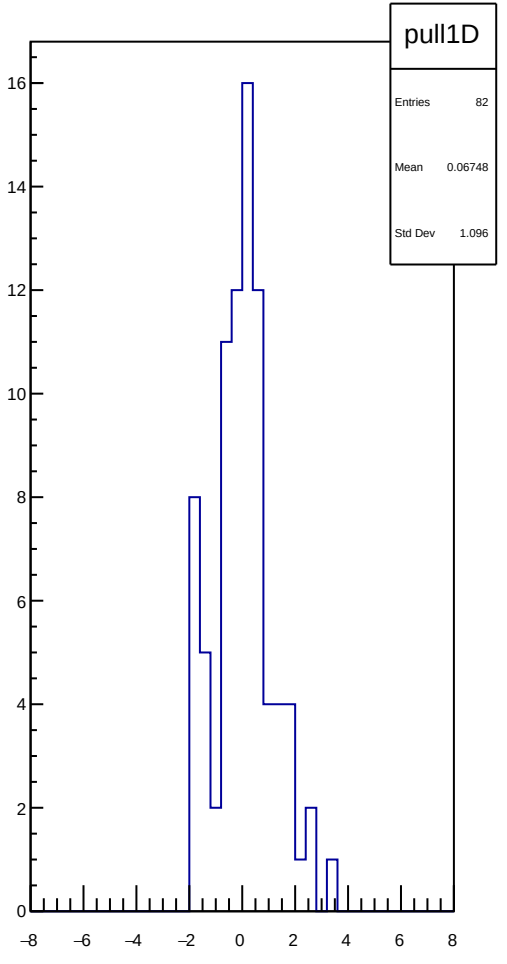

pull1D
Entries 82
Mean −0.0005688
Std Dev 1.102

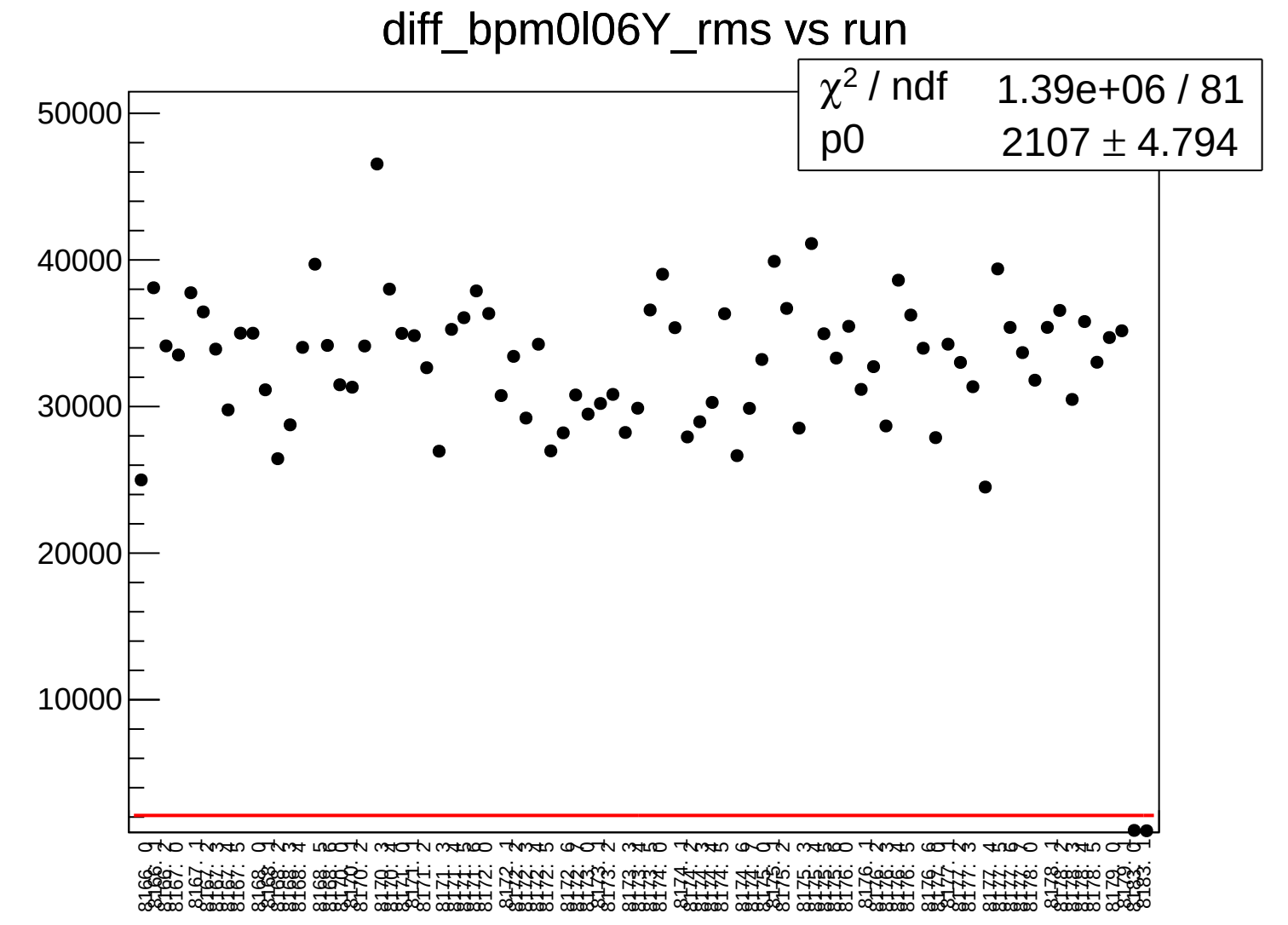

diff_bpm0l05Y_rms vs run
χ² / ndf 528.2 / 81
p0 1526 ± 1.213
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460

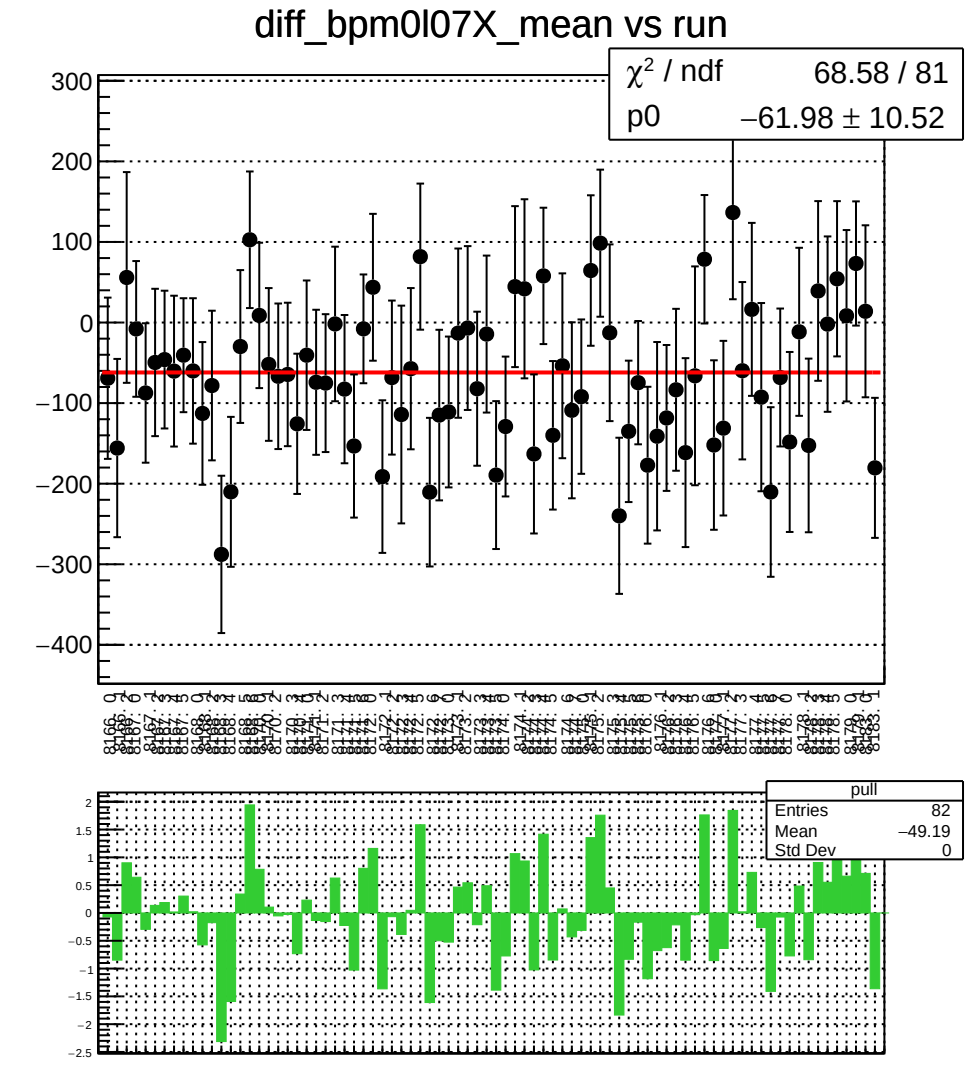

diff_bpm0l06X_mean vs run
χ² / ndf 77.89 / 81
p0 −14.06 ± 18.15
pull
Entries 82
Mean 62.68
Std Dev 0
pull1D
Entries 82
Mean 0.0486
Std Dev 0.9734

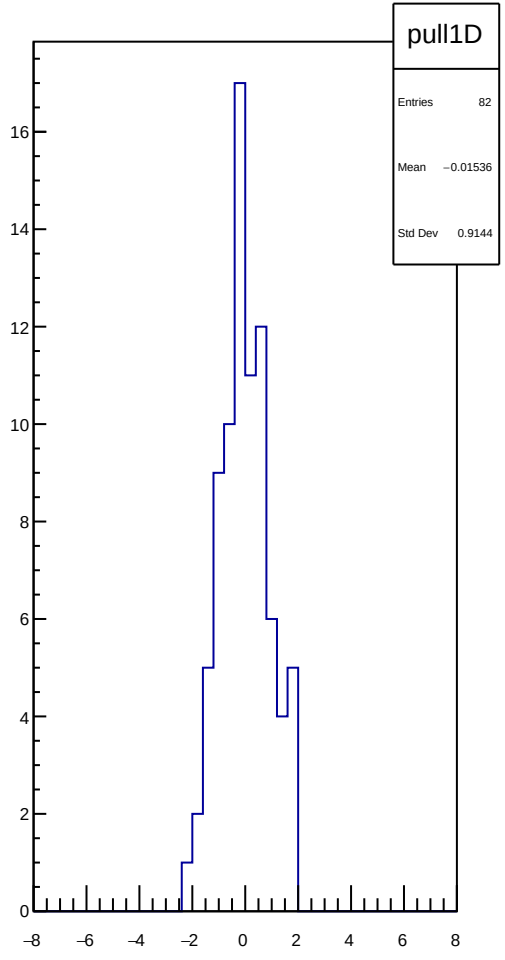

diff_bpm0l06X_rms vs run
χ² / ndf 1.387e+05 / 81
p0 1.542e+04 ± 12.83
22000
20000
18000
16000
14000
12000
10000
8000
6000

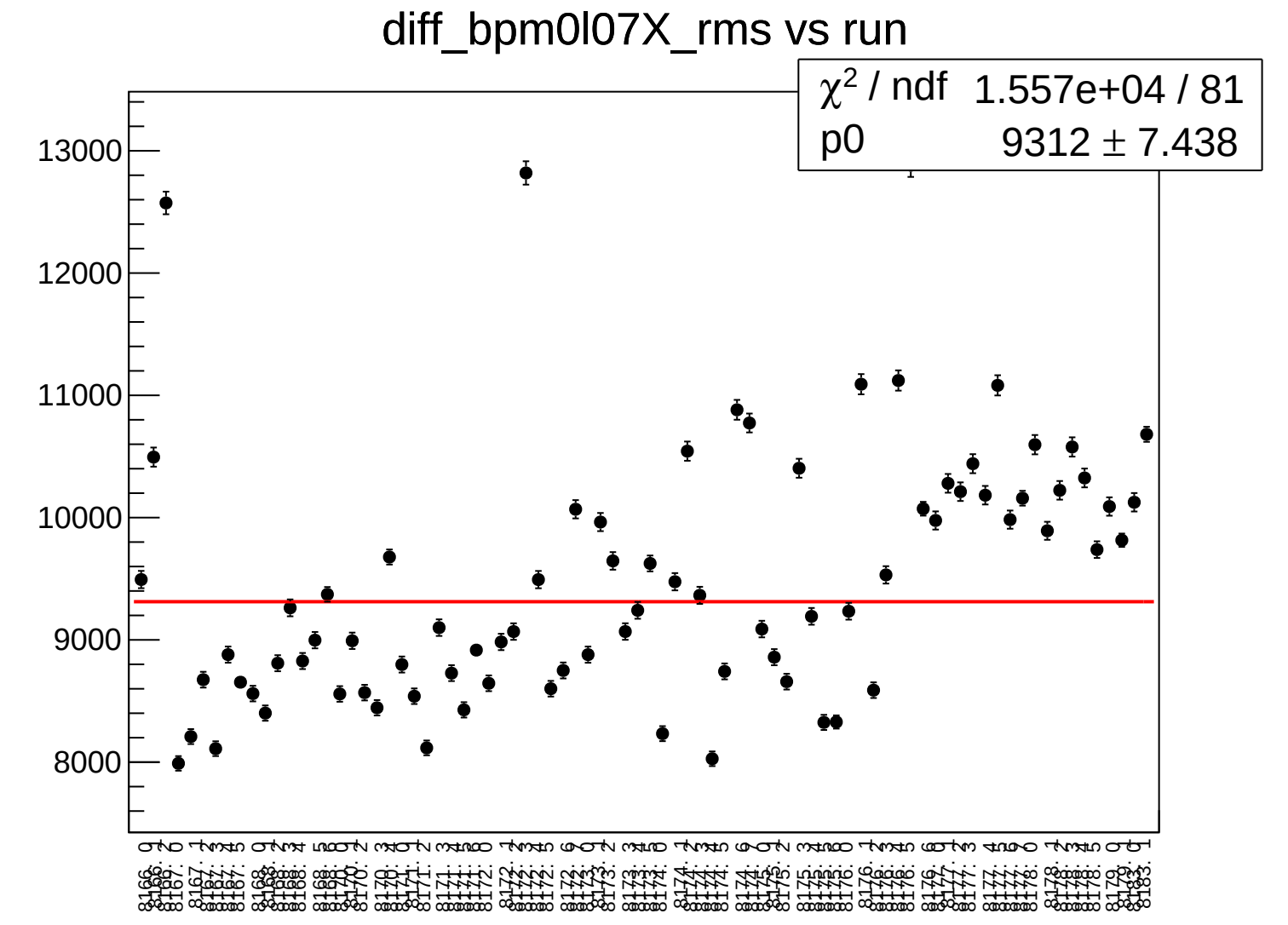

diff_bpm0l06Y_mean vs run
χ² / ndf 98.82 / 81
p0 10.43 ± 6.78
1500
1000
500
0
−500
−1000
pull
Entries 82
Mean 45.64
Std Dev 22.53
3
2
1
0
−1
−2

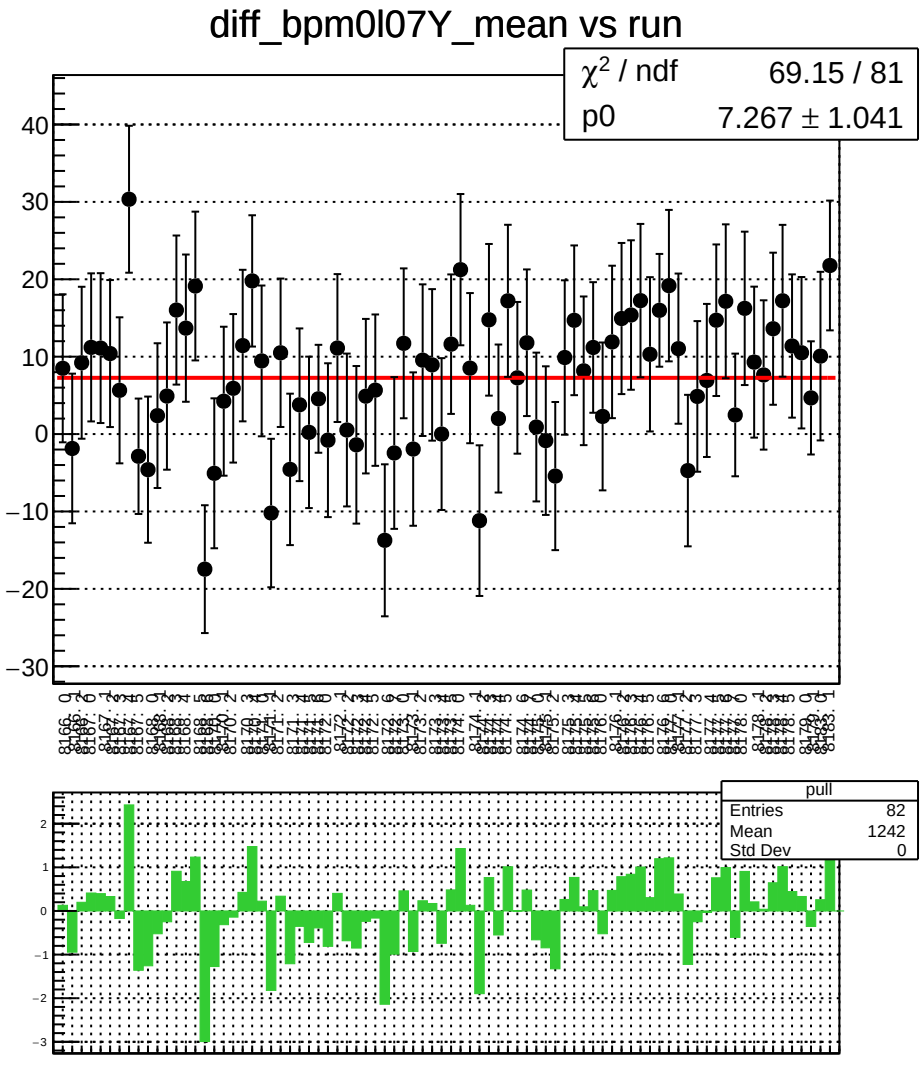

pull1D
Entries 82
Mean 0.06748
Std Dev 1.096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

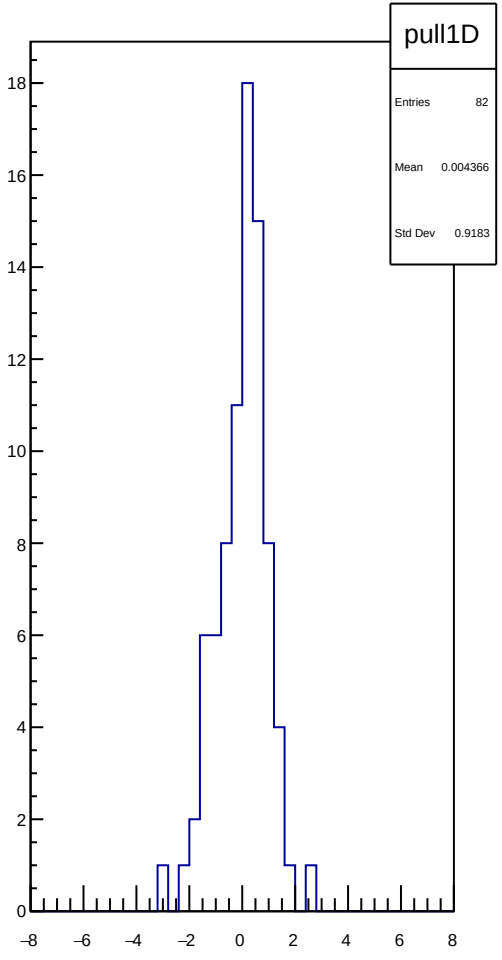

diff_bpm0l06Y_rms vs run
χ² / ndf 1.39e+06 / 81
p0 2107 ± 4.794
50000
40000
30000
20000
10000

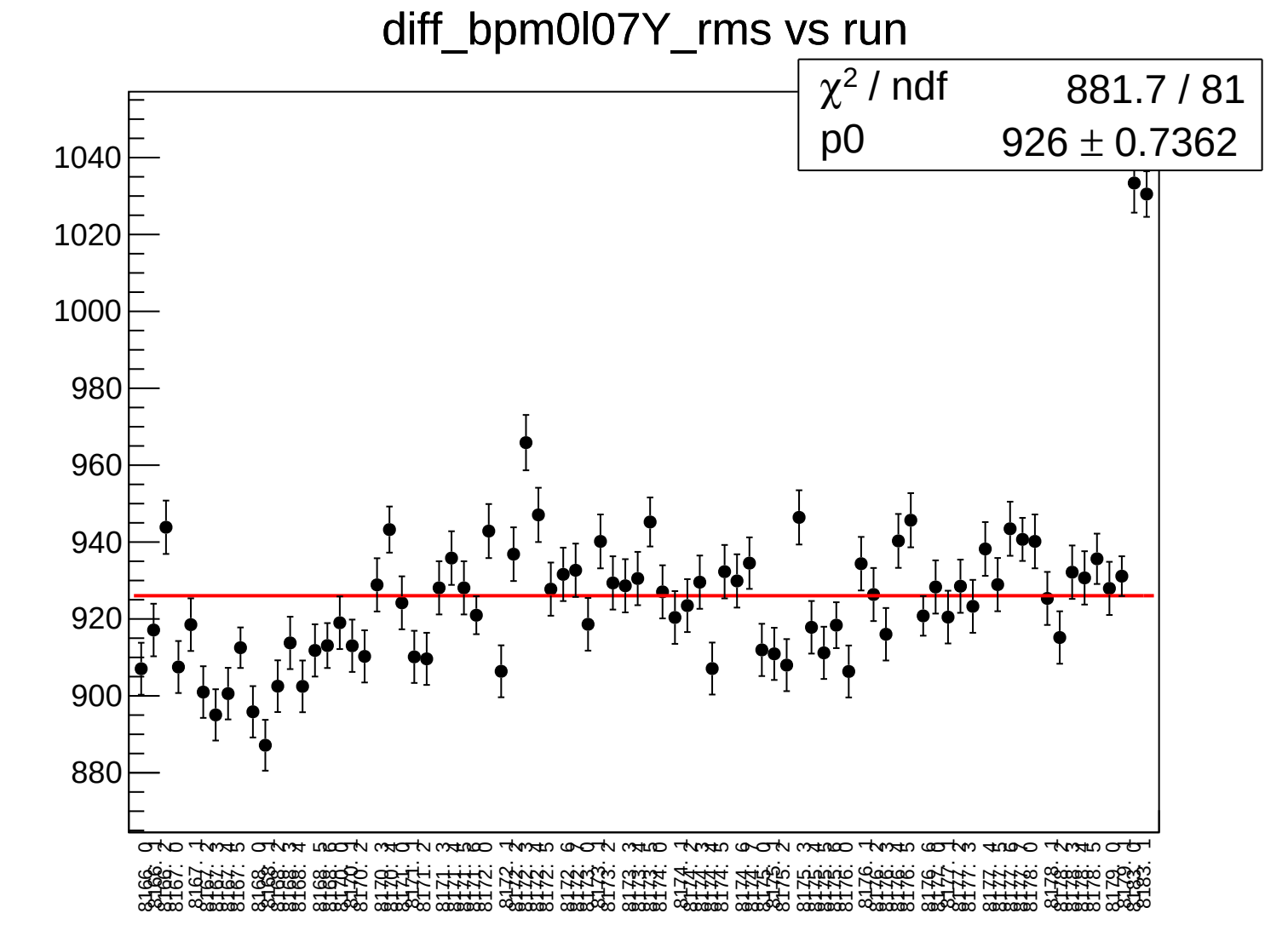

diff_bpm0l07X_mean vs run
χ² / ndf 68.58 / 81
p0 −61.98 ± 10.52
pull
Entries 82
Mean −49.19
Std Dev 0

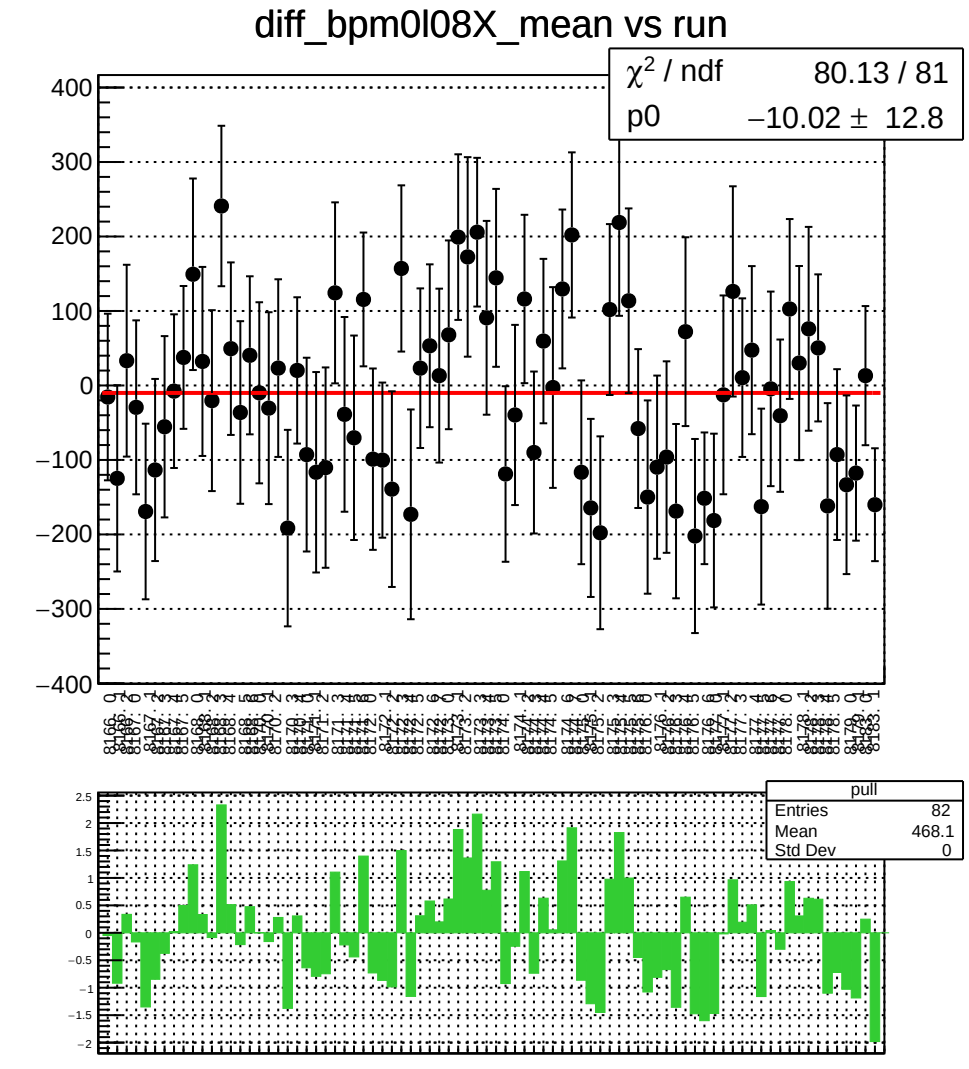

pull1D
Entries 82
Mean −0.01536
Std Dev 0.9144

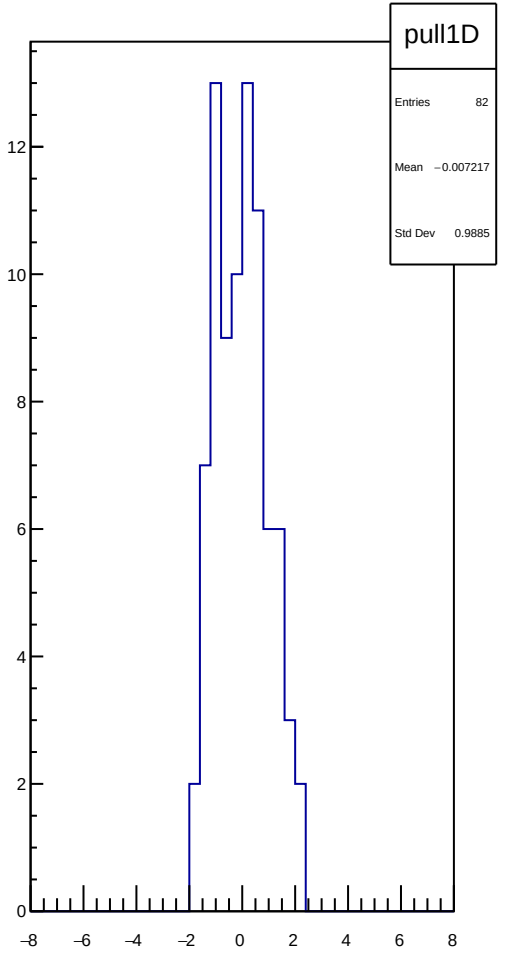

diff_bpm0l07X_rms vs run
χ² / ndf 1.557e+04 / 81
p0 9312 ± 7.438
13000
12000
11000
10000
9000
8000


diff_bpm0l07Y_mean vs run
χ^2 / ndf 69.15 / 81
p0 7.267 ± 1.041
pull
Entries 82
Mean 1242
Std Dev 0

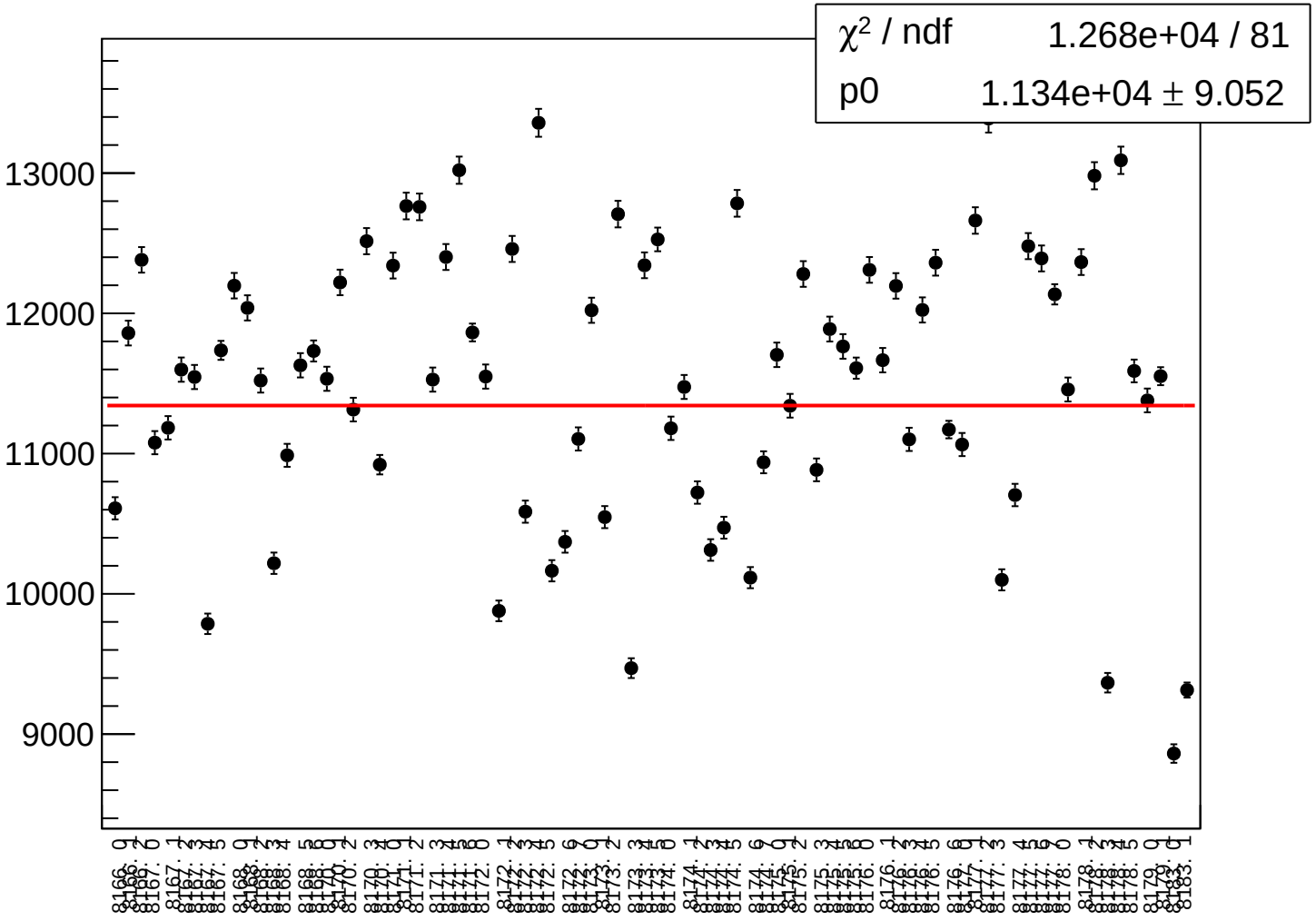

pull1D
Entries 82
Mean 0.004366
Std Dev 0.9183

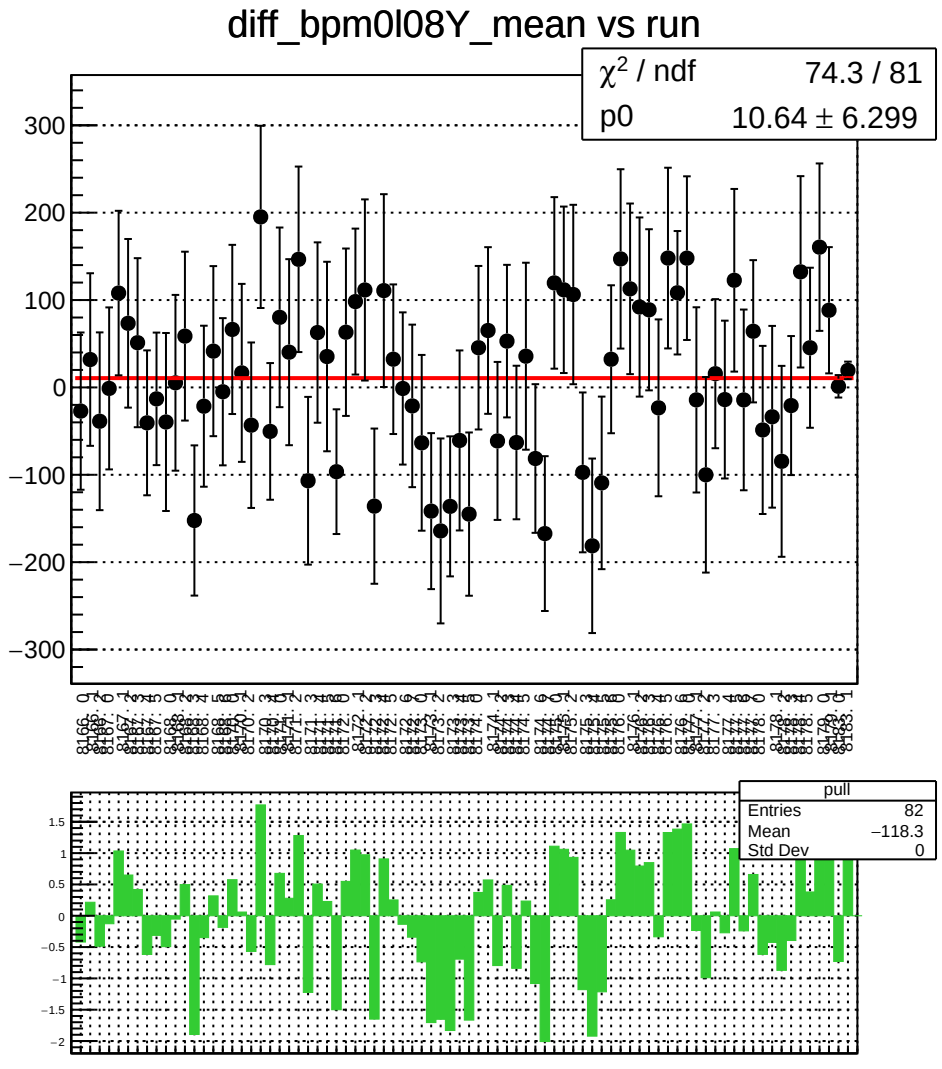

diff_bpm0l07Y_rms vs run
χ² / ndf 881.7 / 81
p0 926 ± 0.7362
1040
1020
1000
980
960
940
920
900
880

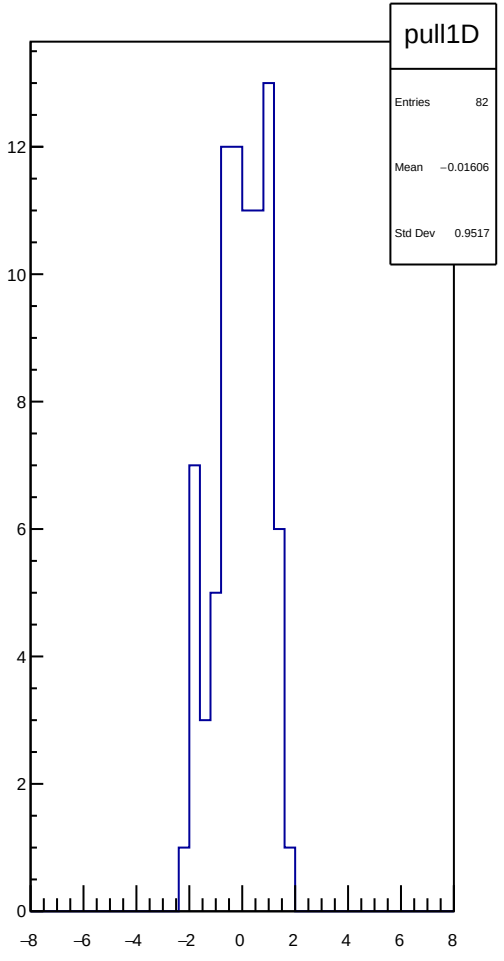

diff_bpm0l08X_mean vs run
χ² / ndf 80.13 / 81
p0 −10.02 ± 12.8
pull
Entries 82
Mean 468.1
Std Dev 0

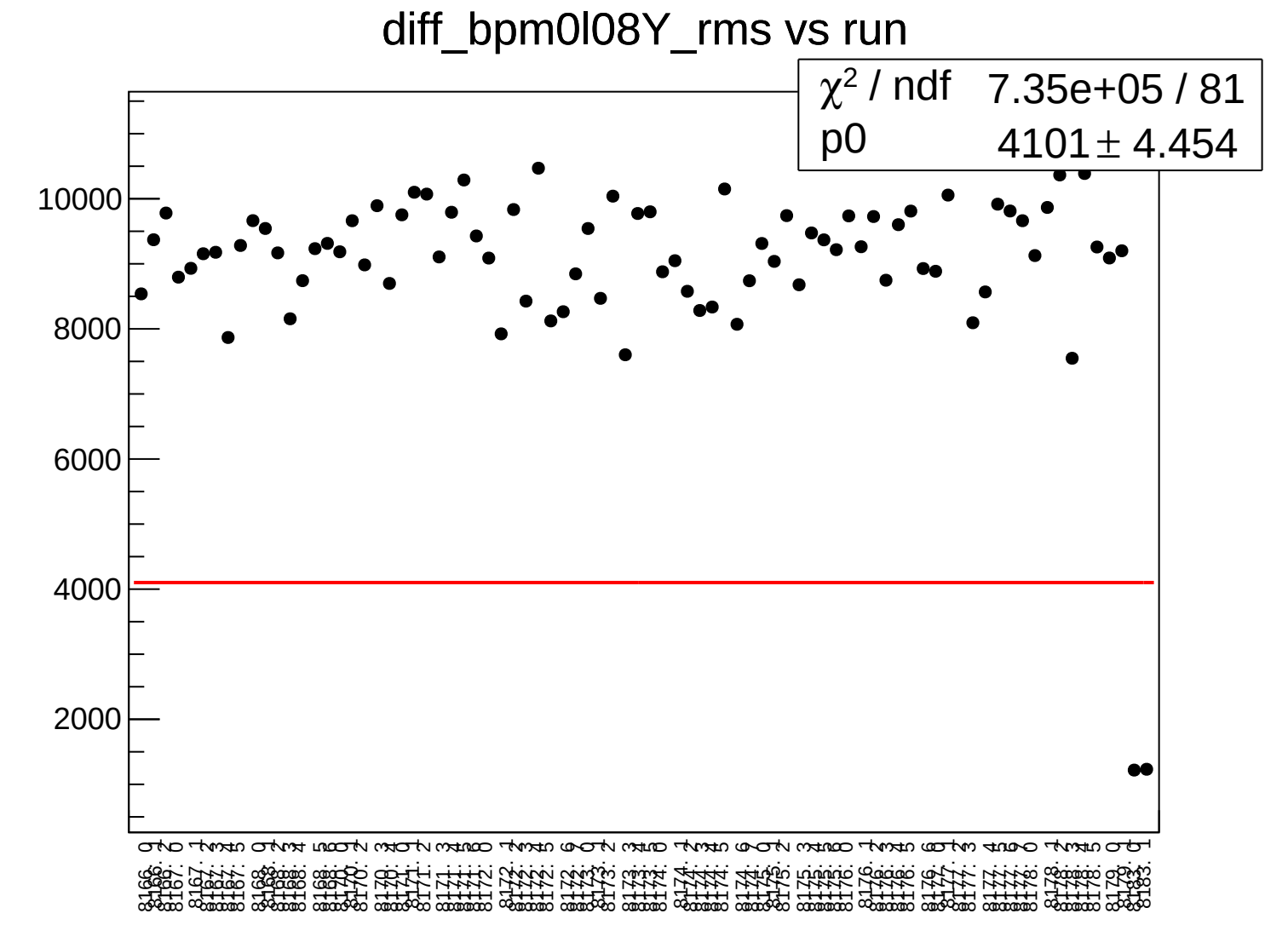

pull1D
Entries 82
Mean −0.007217
Std Dev 0.9885

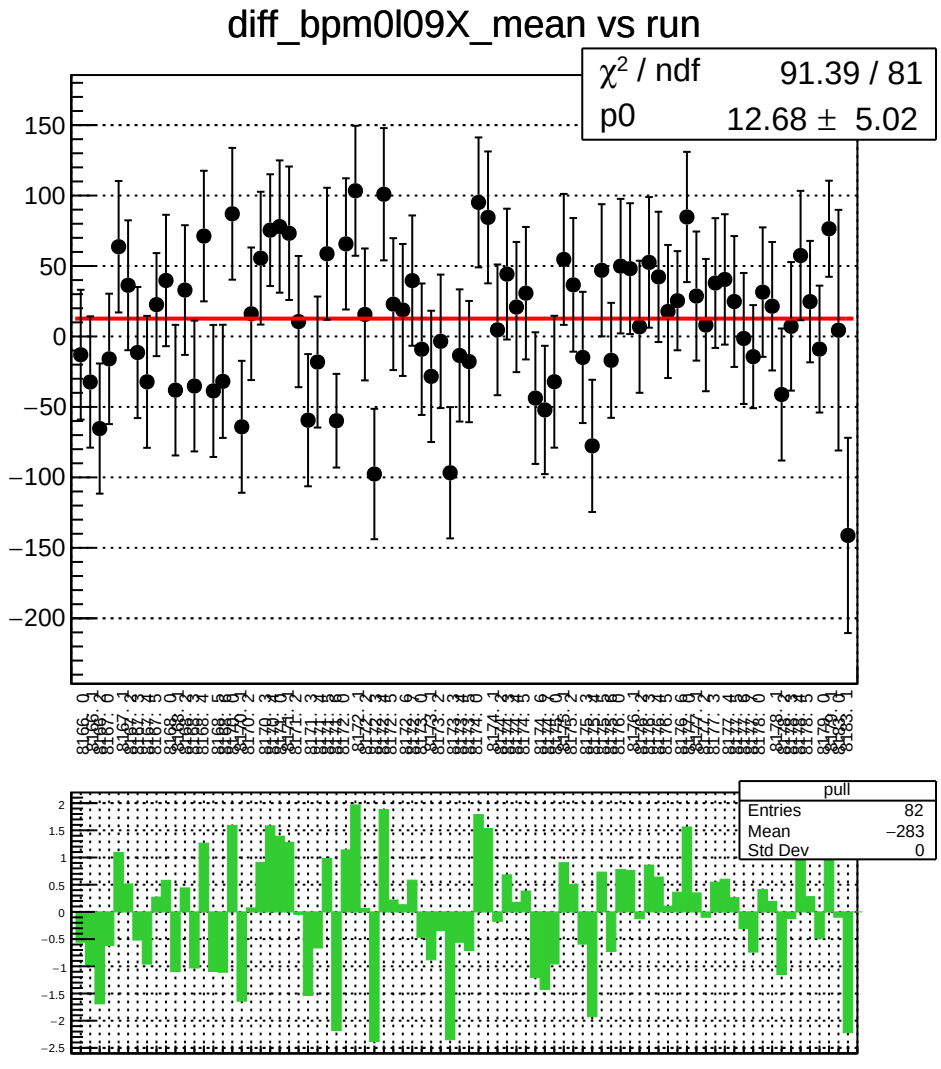
diff_bpm0l08X_rms vs run

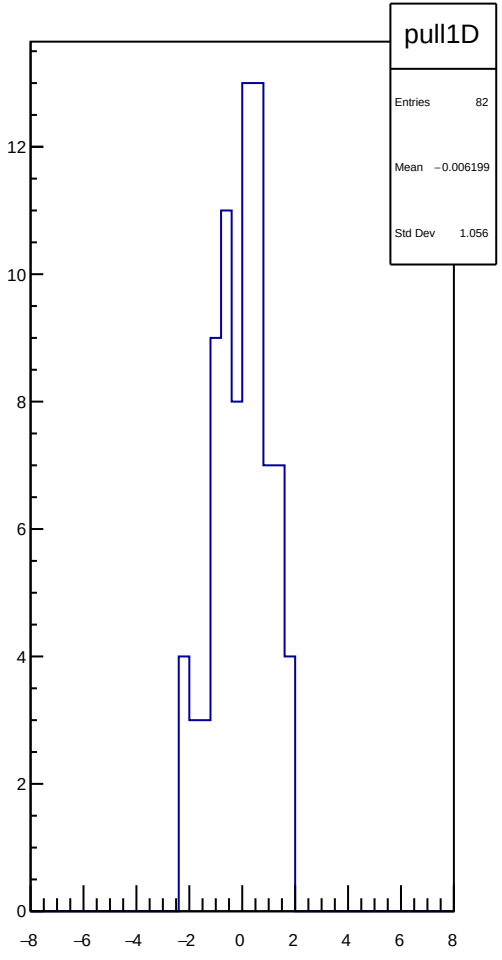


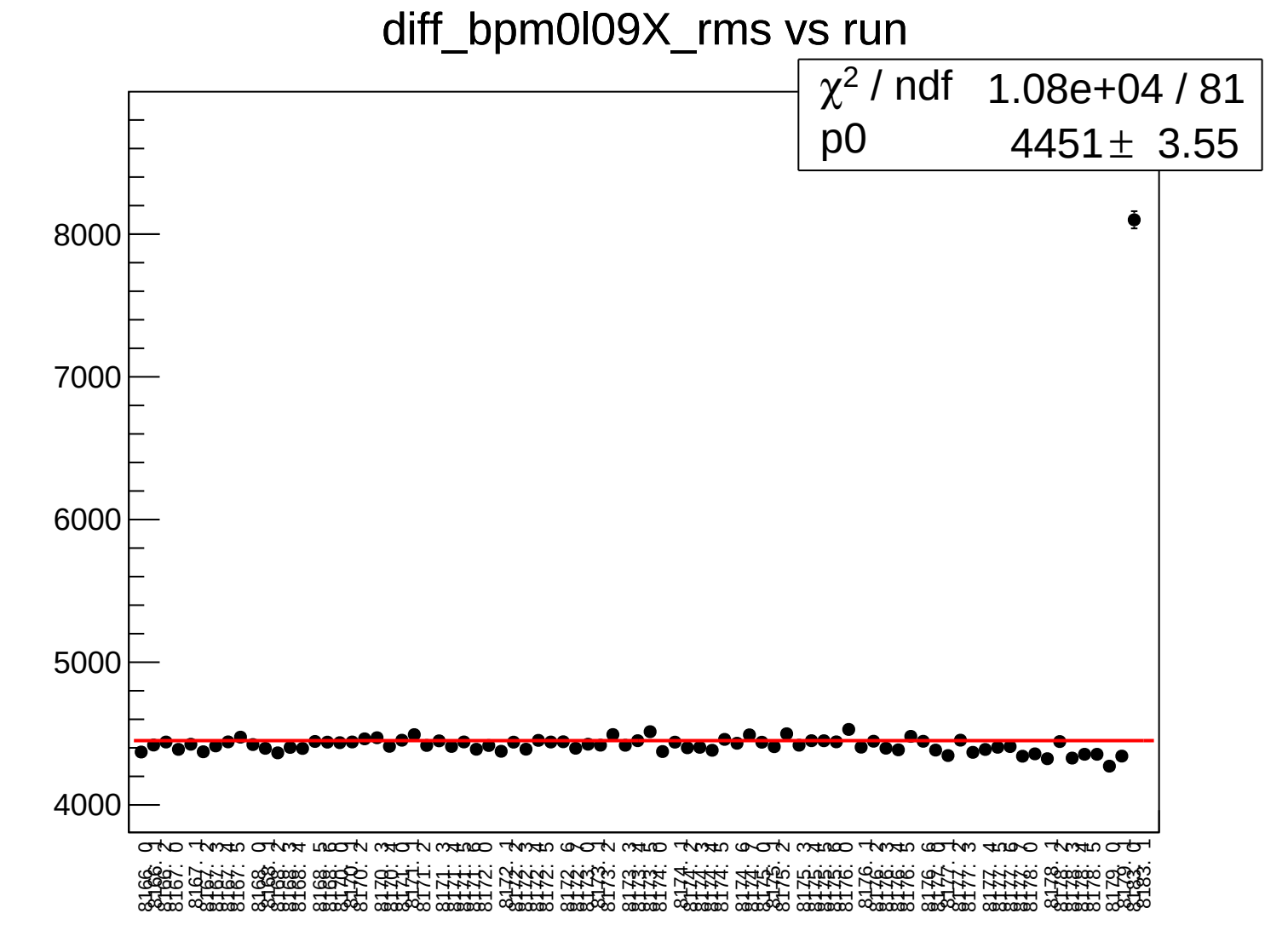

diff_bpm0l08Y_mean vs run
χ^2 / ndf 74.3 / 81
p0 10.64 ± 6.299
pull
Entries 82
Mean −118.3
Std Dev 0

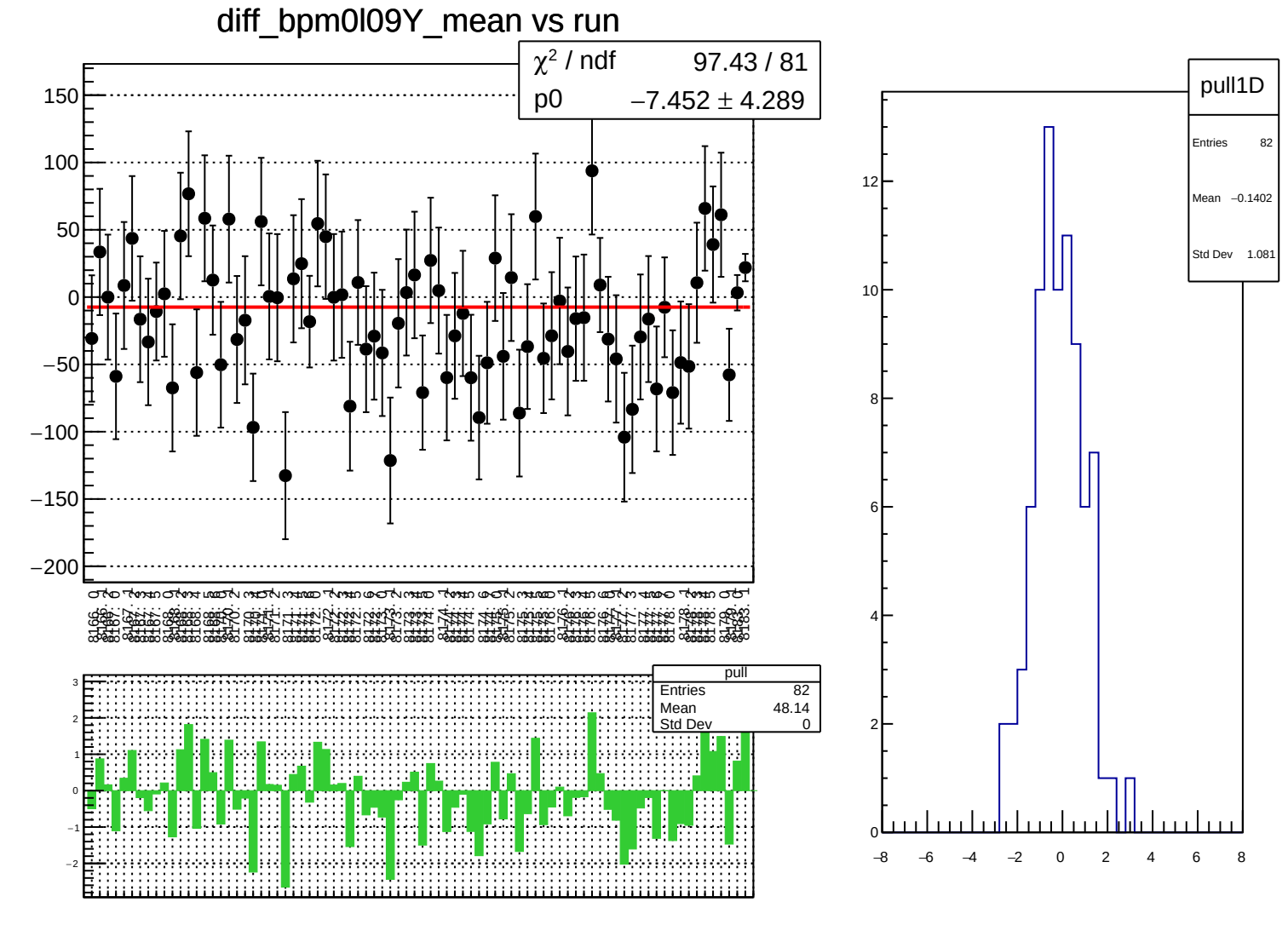

pull1D
Entries 82
Mean −0.01606
Std Dev 0.9517

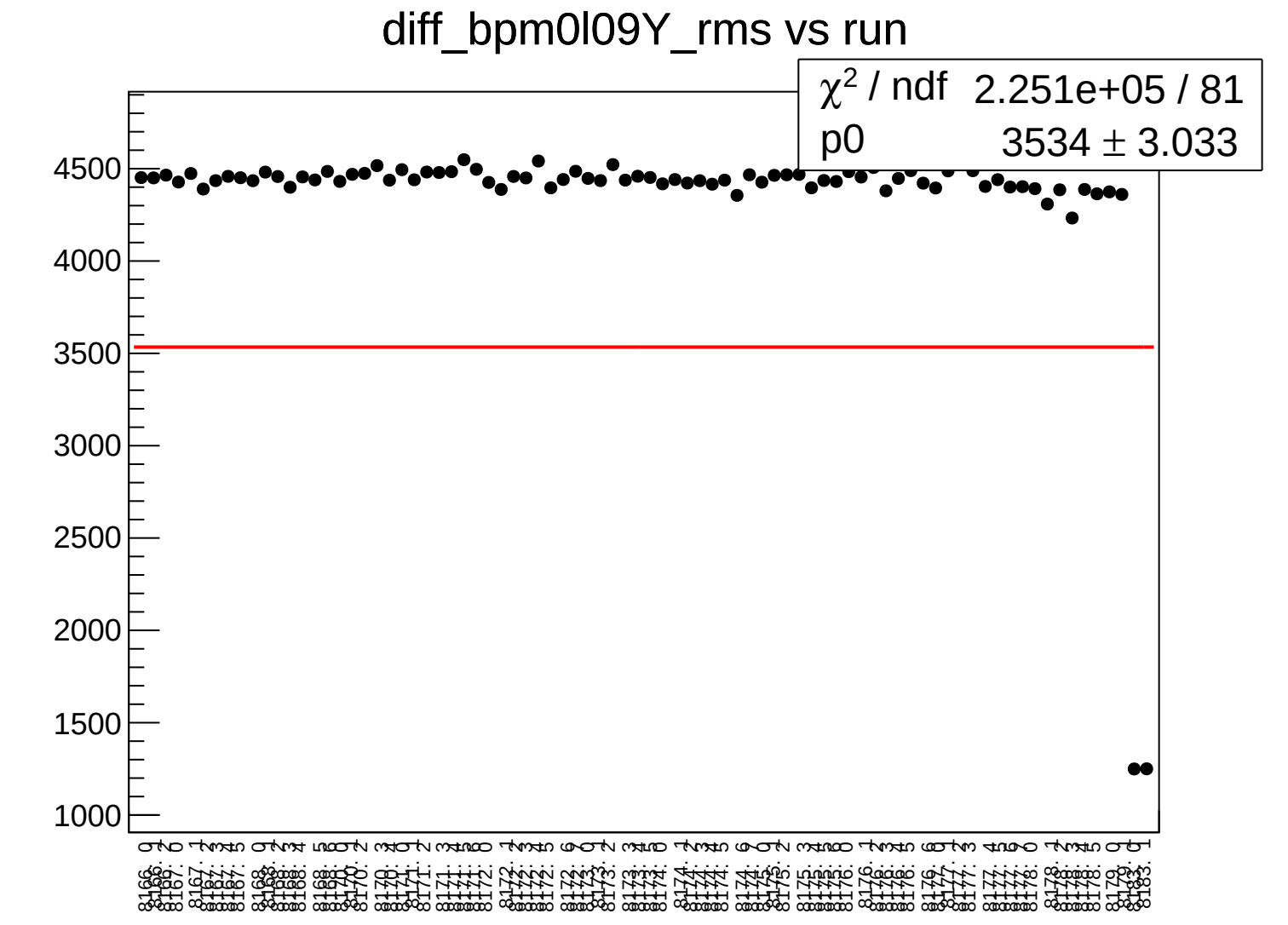

diff_bpm0l08Y_rms vs run
χ^2 / ndf 7.35e+05 / 81
p0 4101 ± 4.454
10000
8000
6000
4000
2000

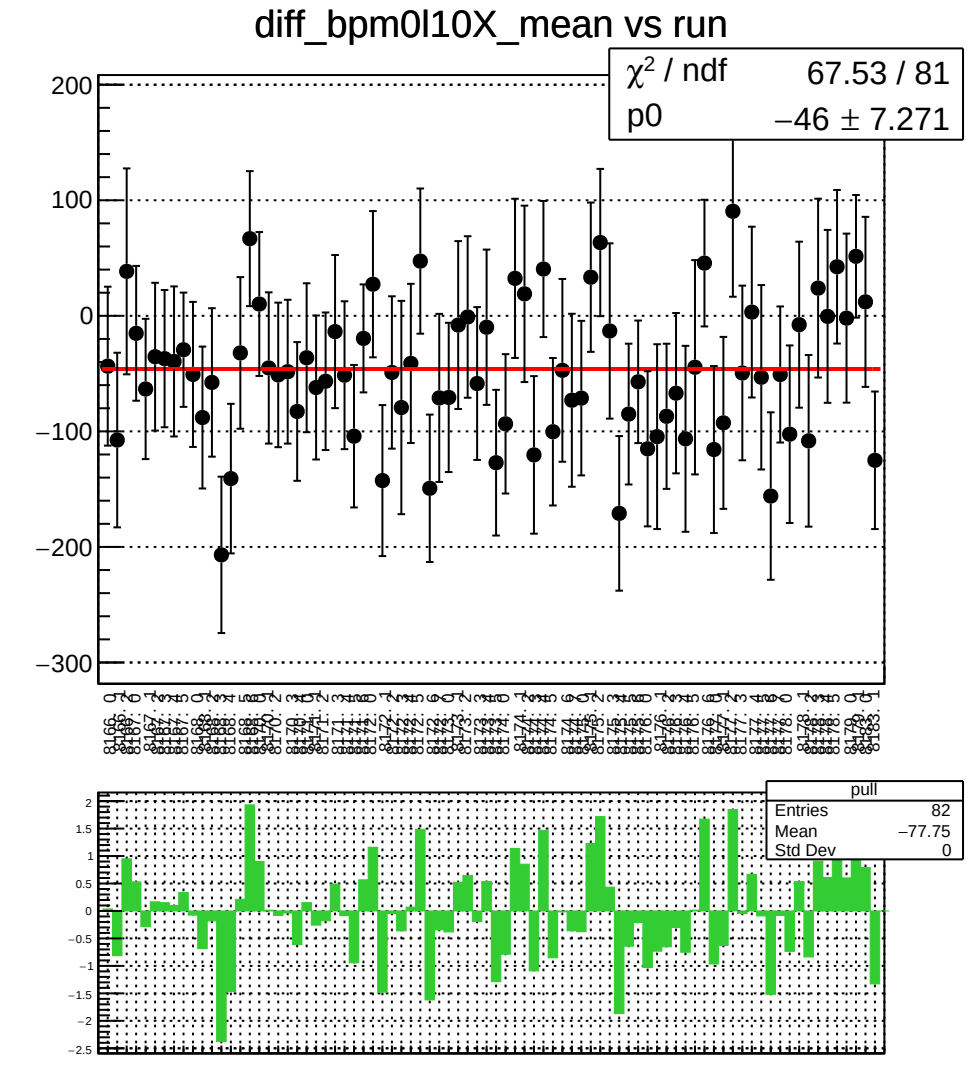

diff_bpm0l09X_mean vs run
χ^2 / ndf 91.39 / 81
p0 12.68 ± 5.02
pull
Entries 82
Mean −283
Std Dev 0

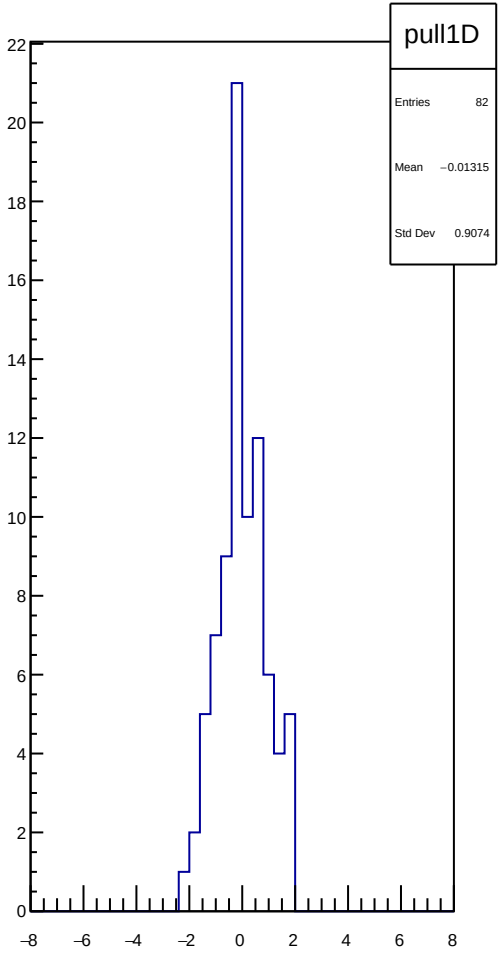

pull1D
Entries 82
Mean −0.006199
Std Dev 1.056

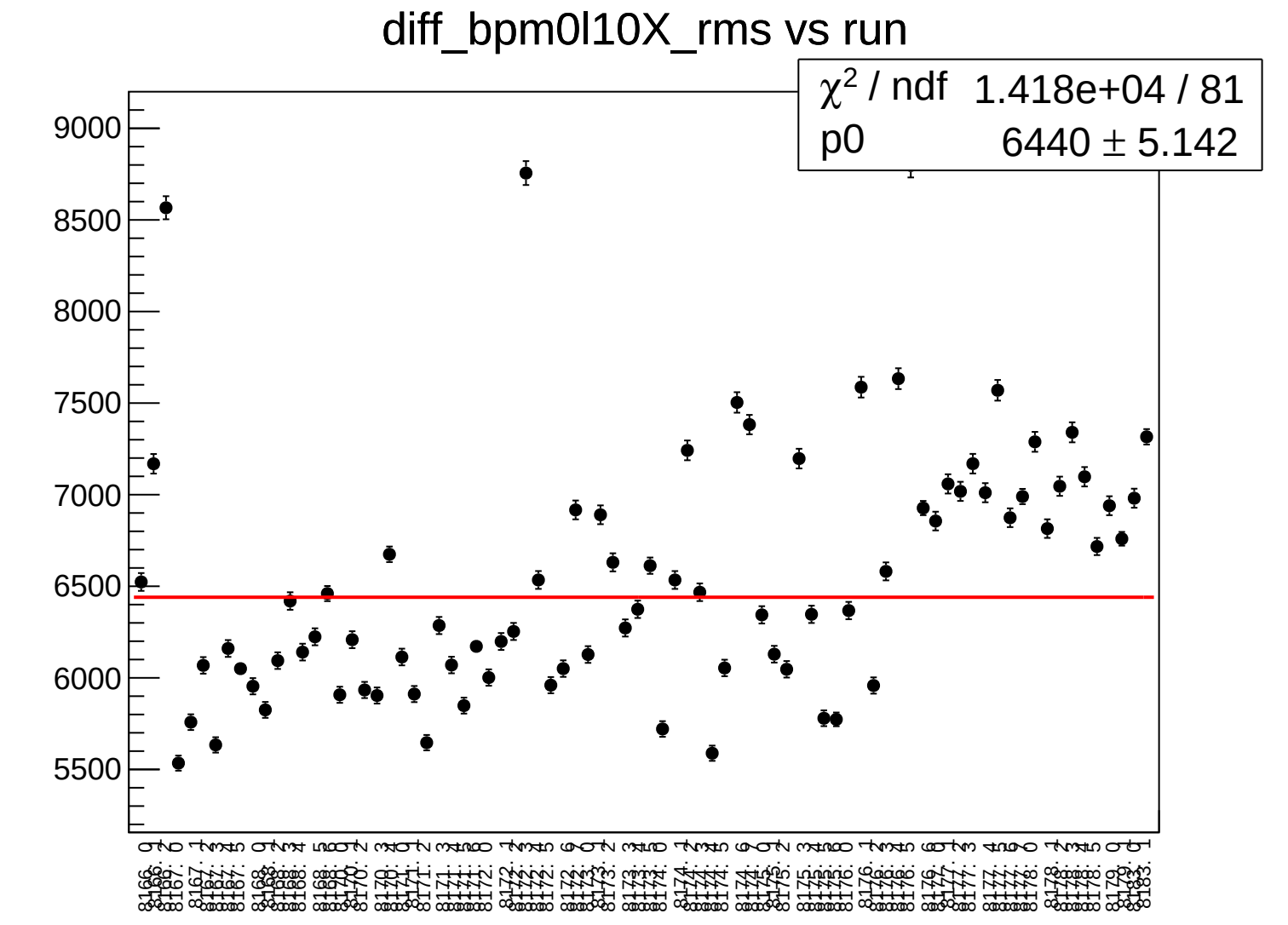

diff_bpm0l09X_rms vs run
χ² / ndf 1.08e+04 / 81
p0 4451 ± 3.55
8000
7000
6000
5000
4000

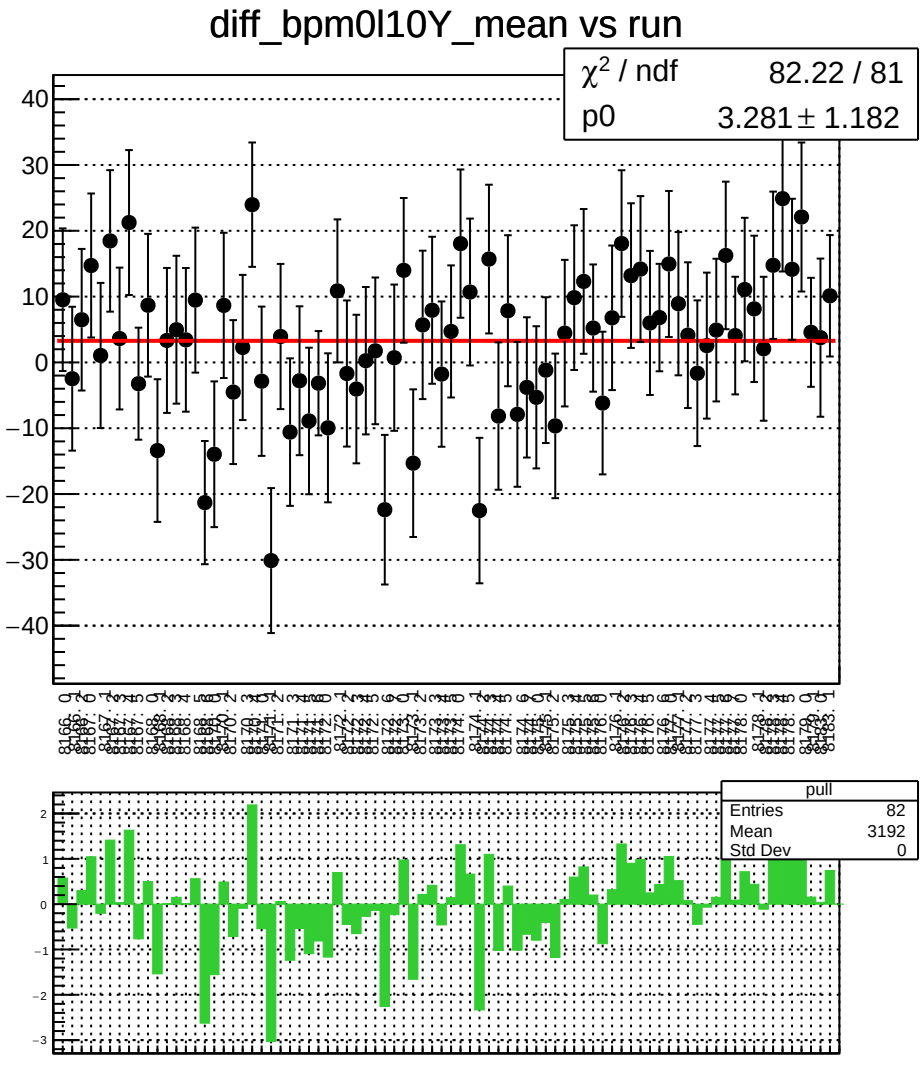

diff_bpm0l09Y_mean vs run
χ² / ndf 97.43 / 81
p0 −7.452 ± 4.289
pull
Entries 82
Mean 48.14
Std Dev 0
pull1D
Entries 82
Mean −0.1402
Std Dev 1.081

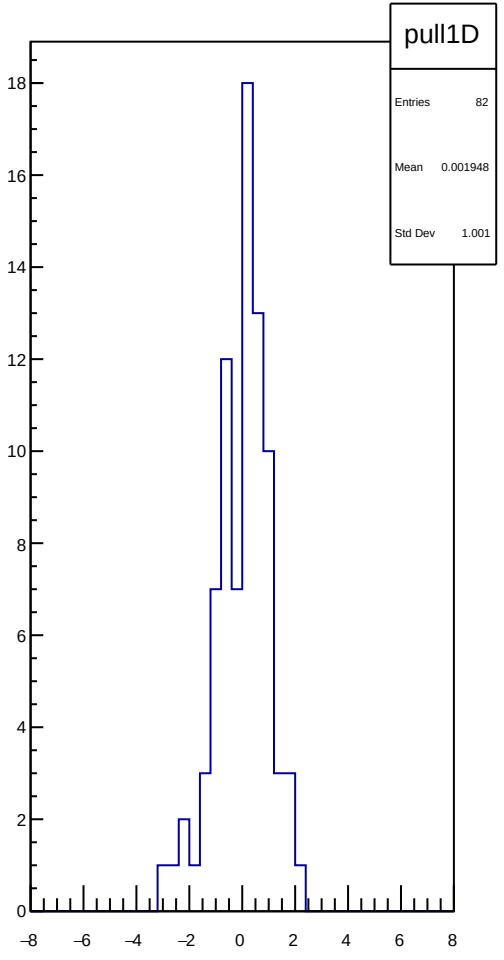

diff_bpm0l09Y_rms vs run
χ² / ndf 2.251e+05 / 81
p0 3534 ± 3.033
4500
4000
3500
3000
2500
2000
1500
1000

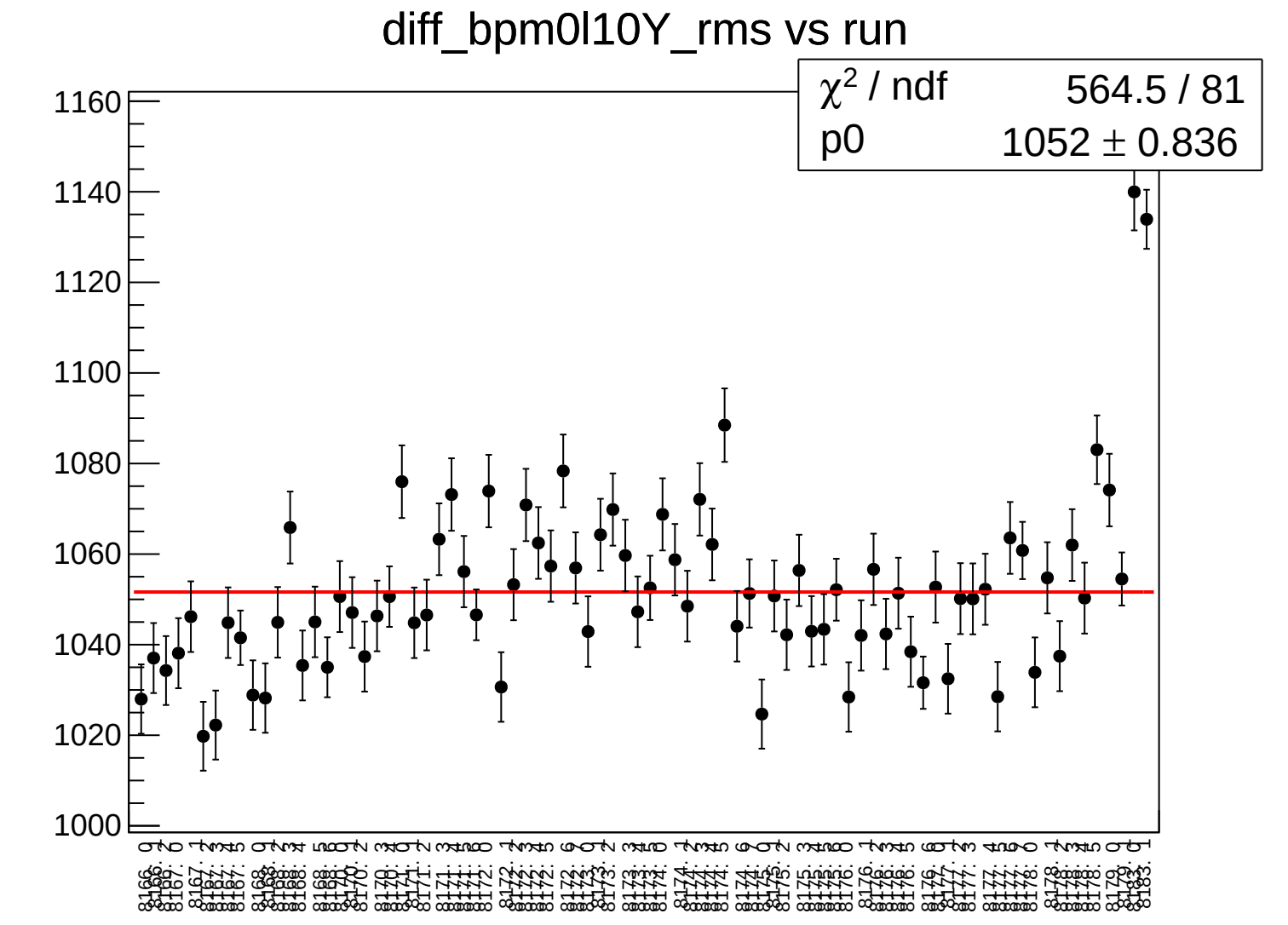

diff_bpm0l10X_mean vs run
χ² / ndf 67.53 / 81
p0 −46 ± 7.271
pull
Entries 82
Mean −77.75
Std Dev 0

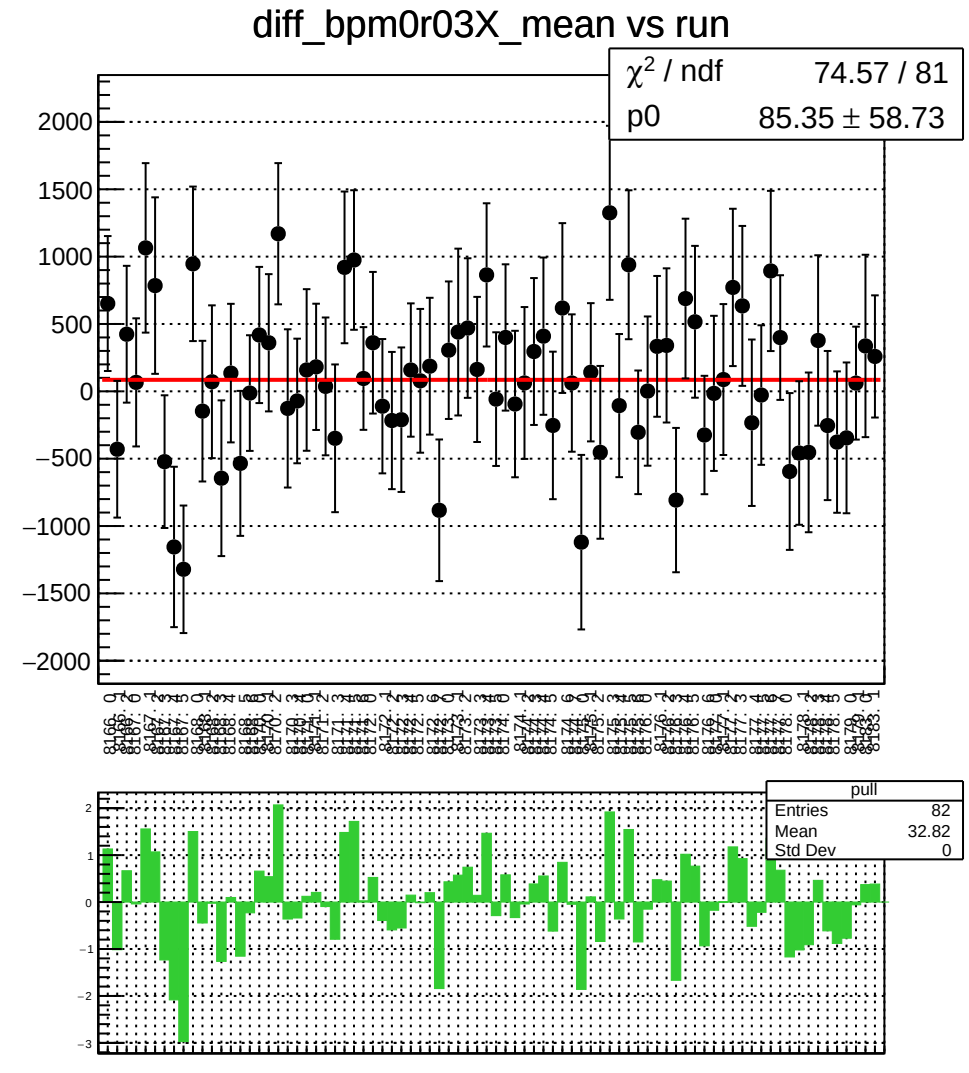

pull1D
Entries 82
Mean −0.01315
Std Dev 0.9074

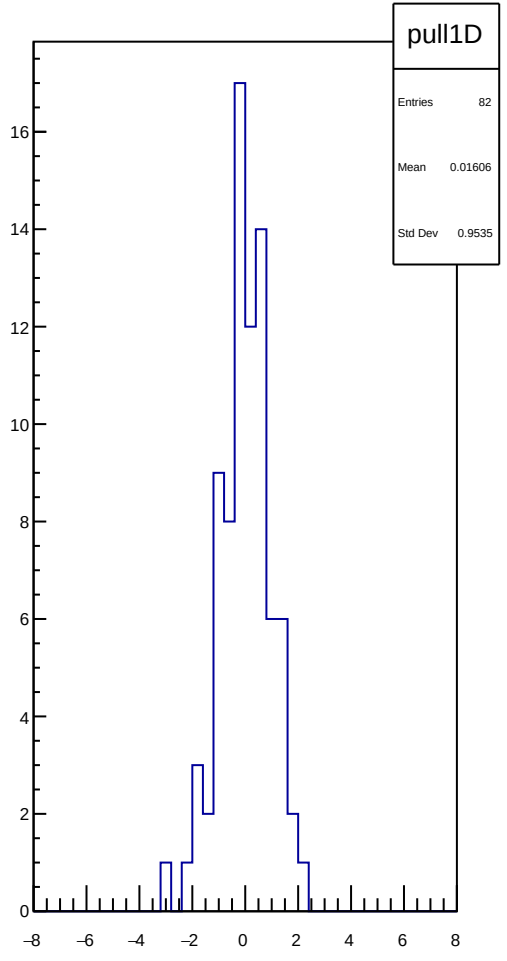

diff_bpm0l10X_rms vs run
χ^2 / ndf 1.418e+04 / 81
p0 6440 ± 5.142
9000
8500
8000
7500
7000
6500
6000
5500

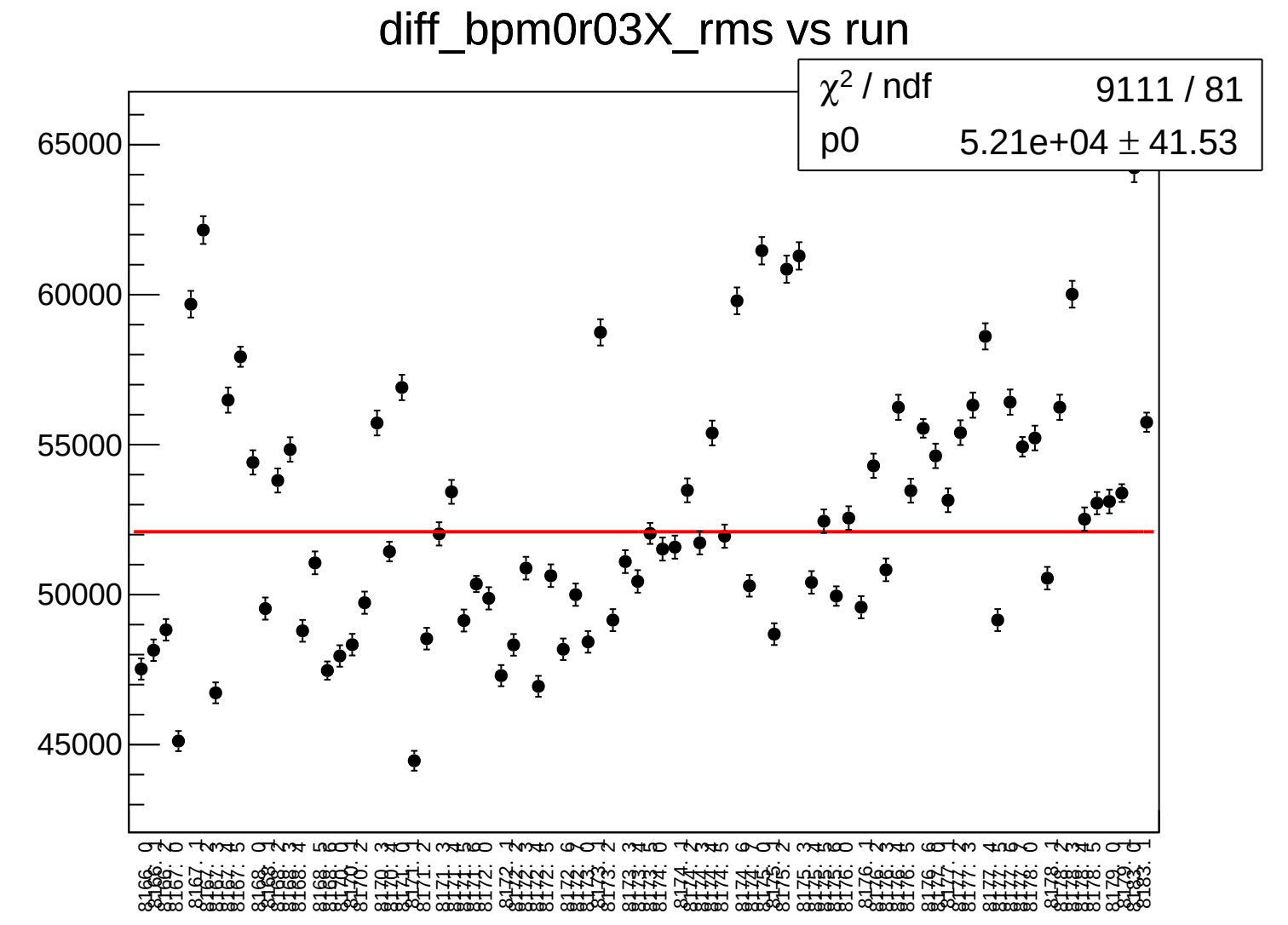

diff_bpm0l10Y_mean vs run
χ² / ndf 82.22 / 81
p0 3.281 ± 1.182
pull
Entries 82
Mean 3192
Std Dev 0

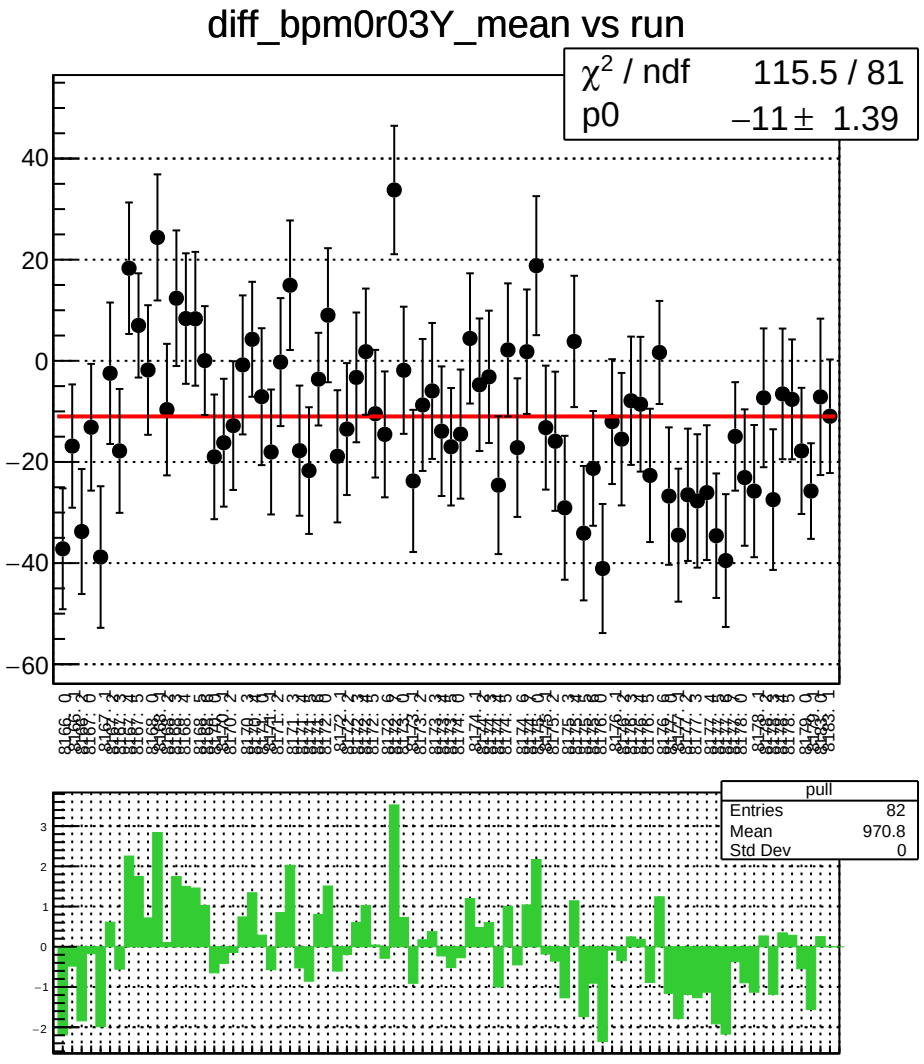

pull1D
Entries 82
Mean 0.001948
Std Dev 1.001

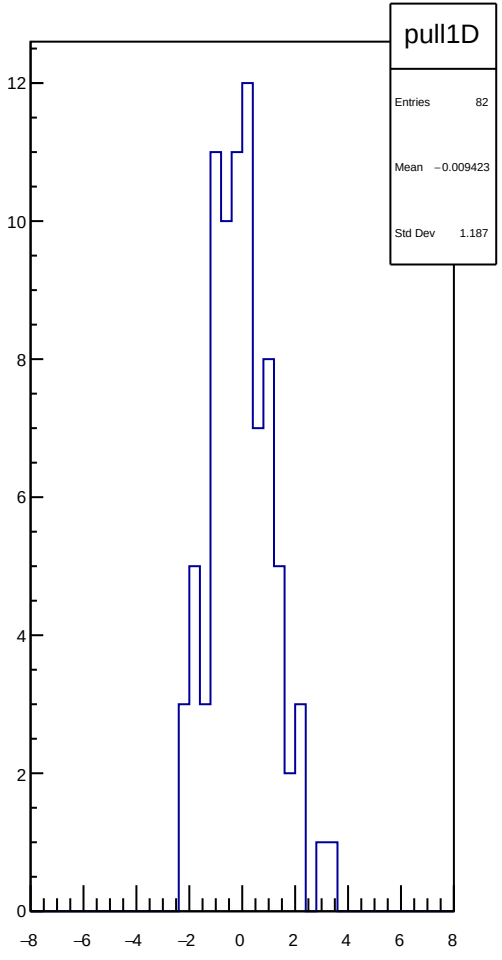

diff_bpm0l10Y_rms vs run
χ² / ndf 564.5 / 81
p0 1052 ± 0.836
1160
1140
1120
1100
1080
1060
1040
1020
1000

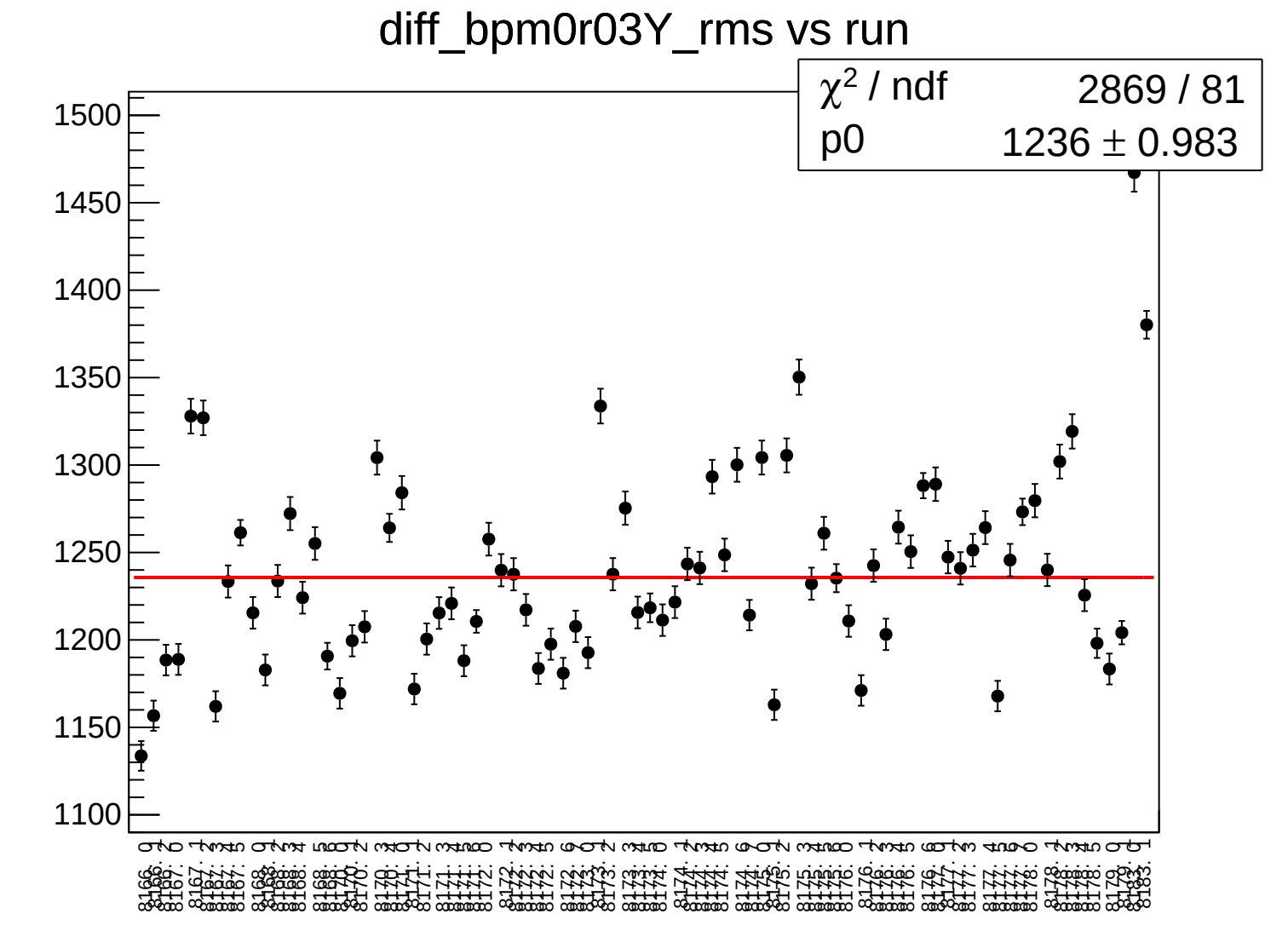

diff_bpm0r03X_mean vs run
χ² / ndf 74.57 / 81
p0 85.35 ± 58.73
pull
Entries 82
Mean 32.82
Std Dev 0

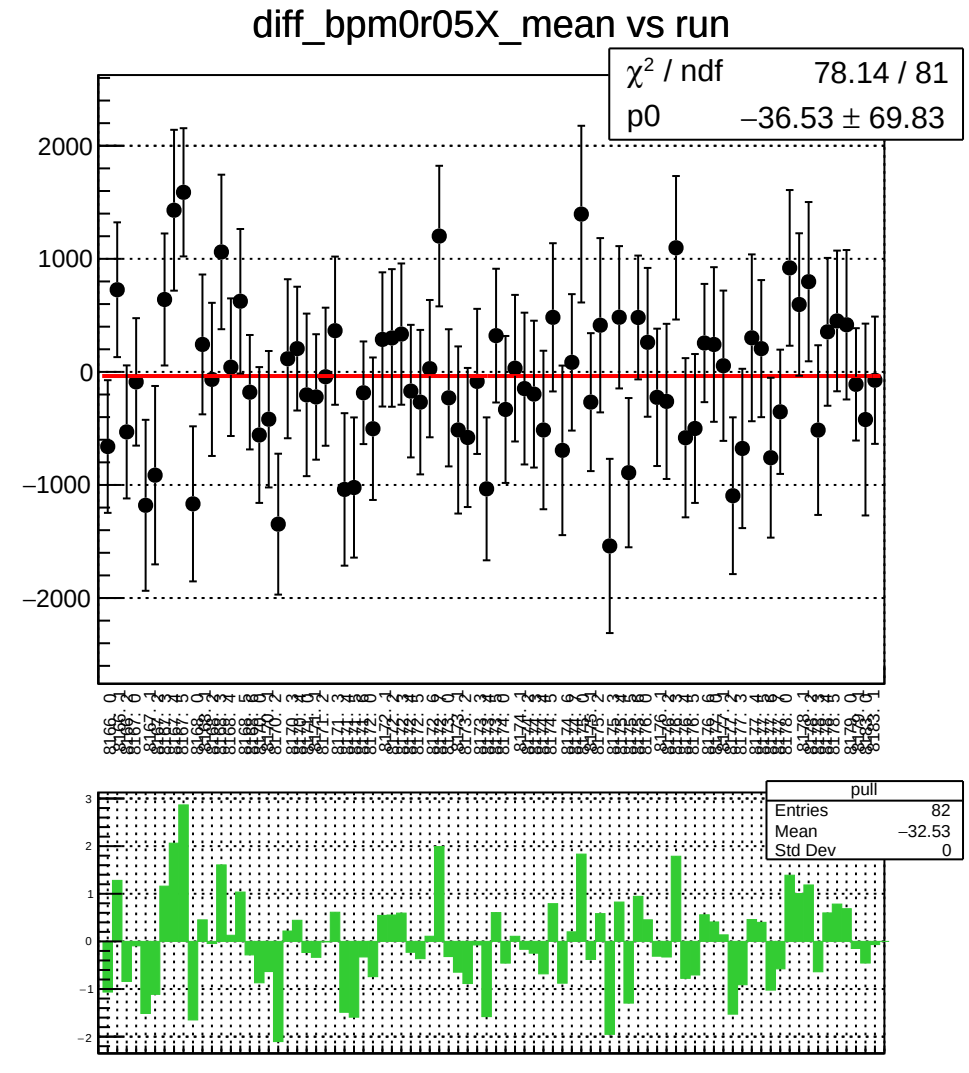

pull1D
Entries 82
Mean 0.01606
Std Dev 0.9535

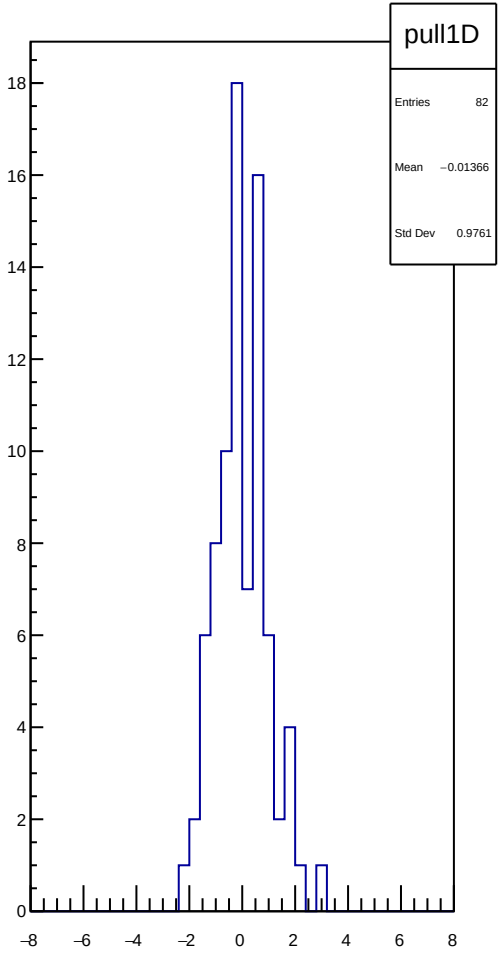

diff_bpm0r03X_rms vs run
χ^2 / ndf 9111 / 81
p0 5.21e+04 ± 41.53
65000
60000
55000
50000
45000


diff_bpm0r03Y_mean vs run
χ² / ndf 115.5 / 81
p0 −11 ± 1.39
pull
Entries 82
Mean 970.8
Std Dev 0

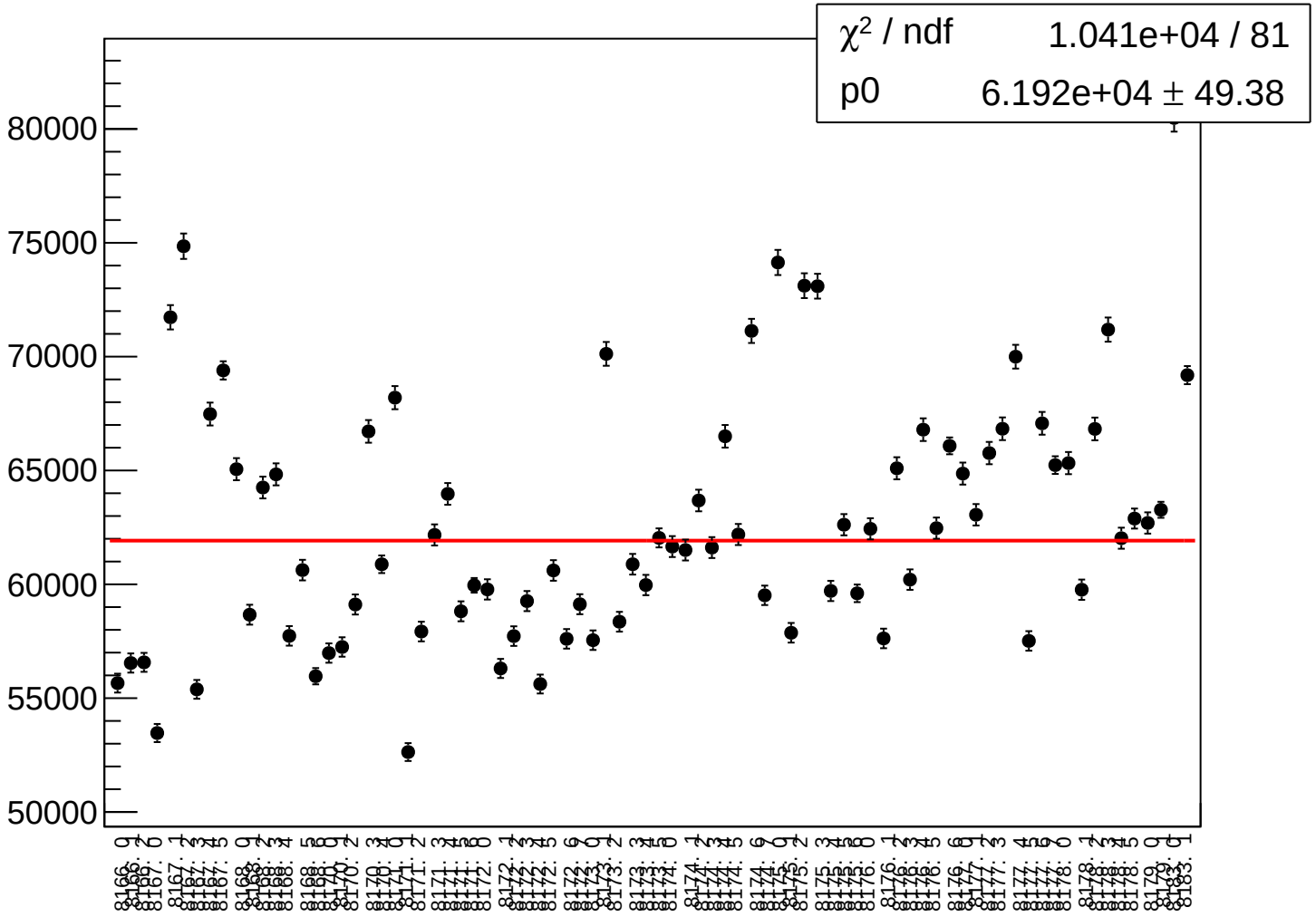

pull1D
Entries 82
Mean −0.009423
Std Dev 1.187

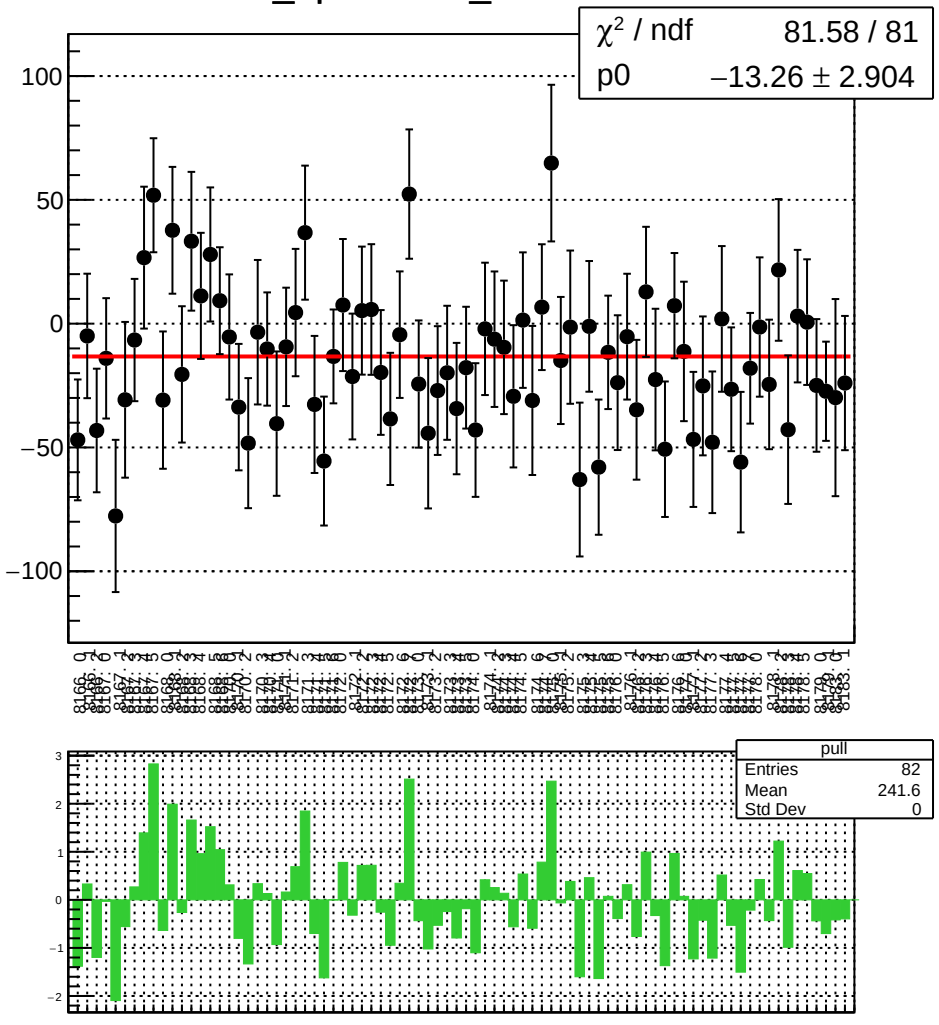

diff_bpm0r03Y_rms vs run
χ² / ndf 2869 / 81
p0 1236 ± 0.983
1500
1450
1400
1350
1300
1250
1200
1150
1100

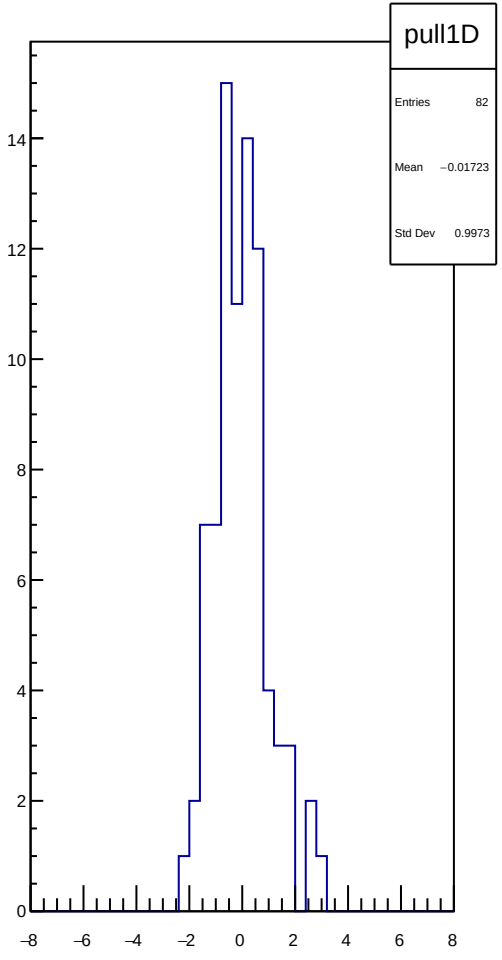

diff_bpm0r05X_mean vs run
χ² / ndf 78.14 / 81
p0 −36.53 ± 69.83
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −32.53
Std Dev 0
3
2
1
0
−1
−2

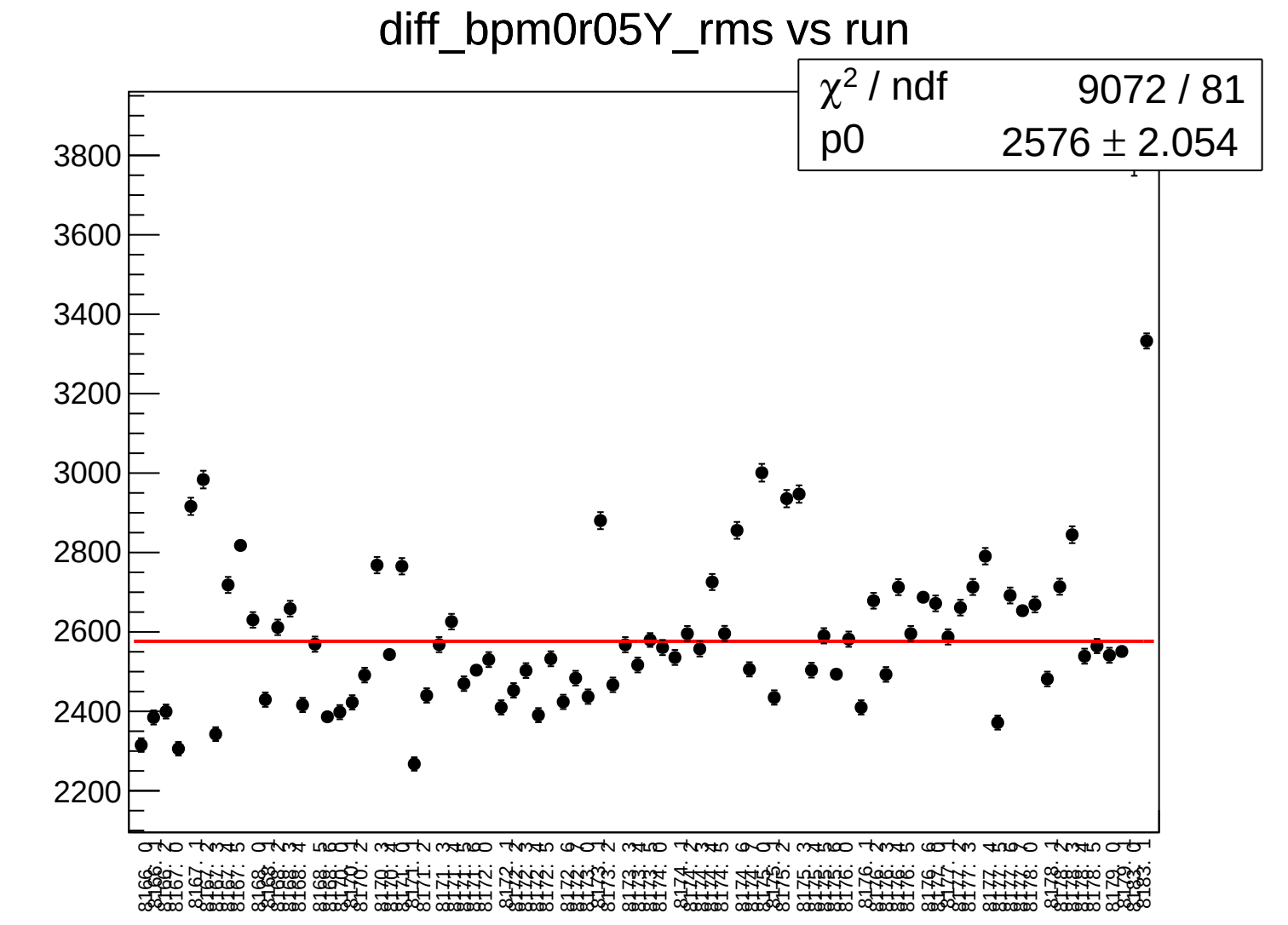

pull1D
Entries 82
Mean −0.01366
Std Dev 0.9761
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

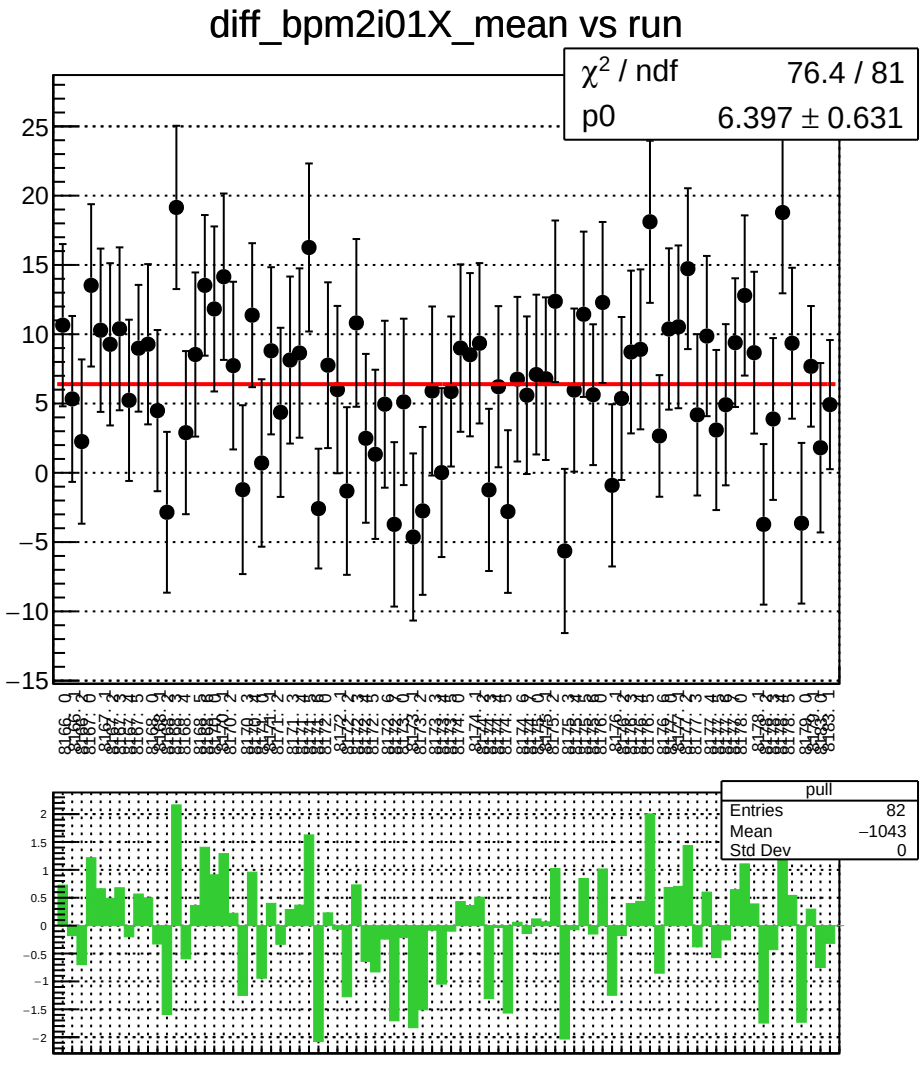
diff_bpm0r05X_rms vs run

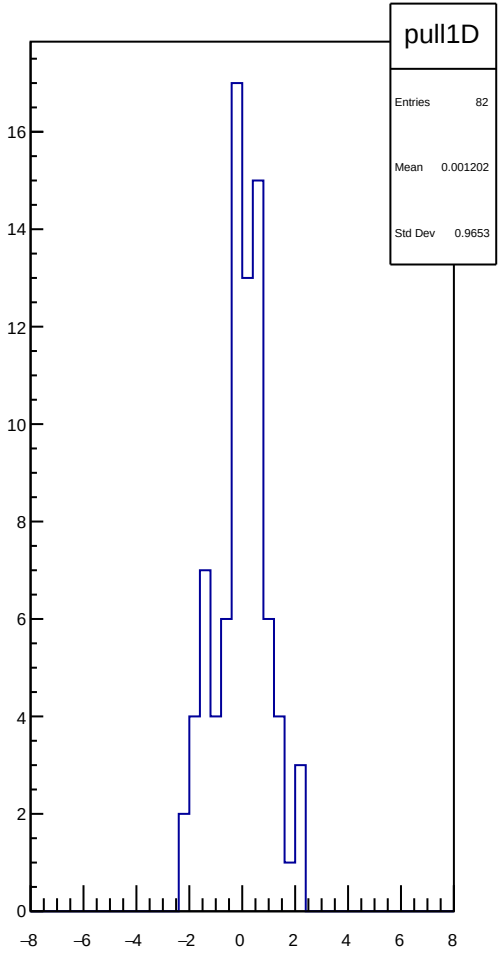


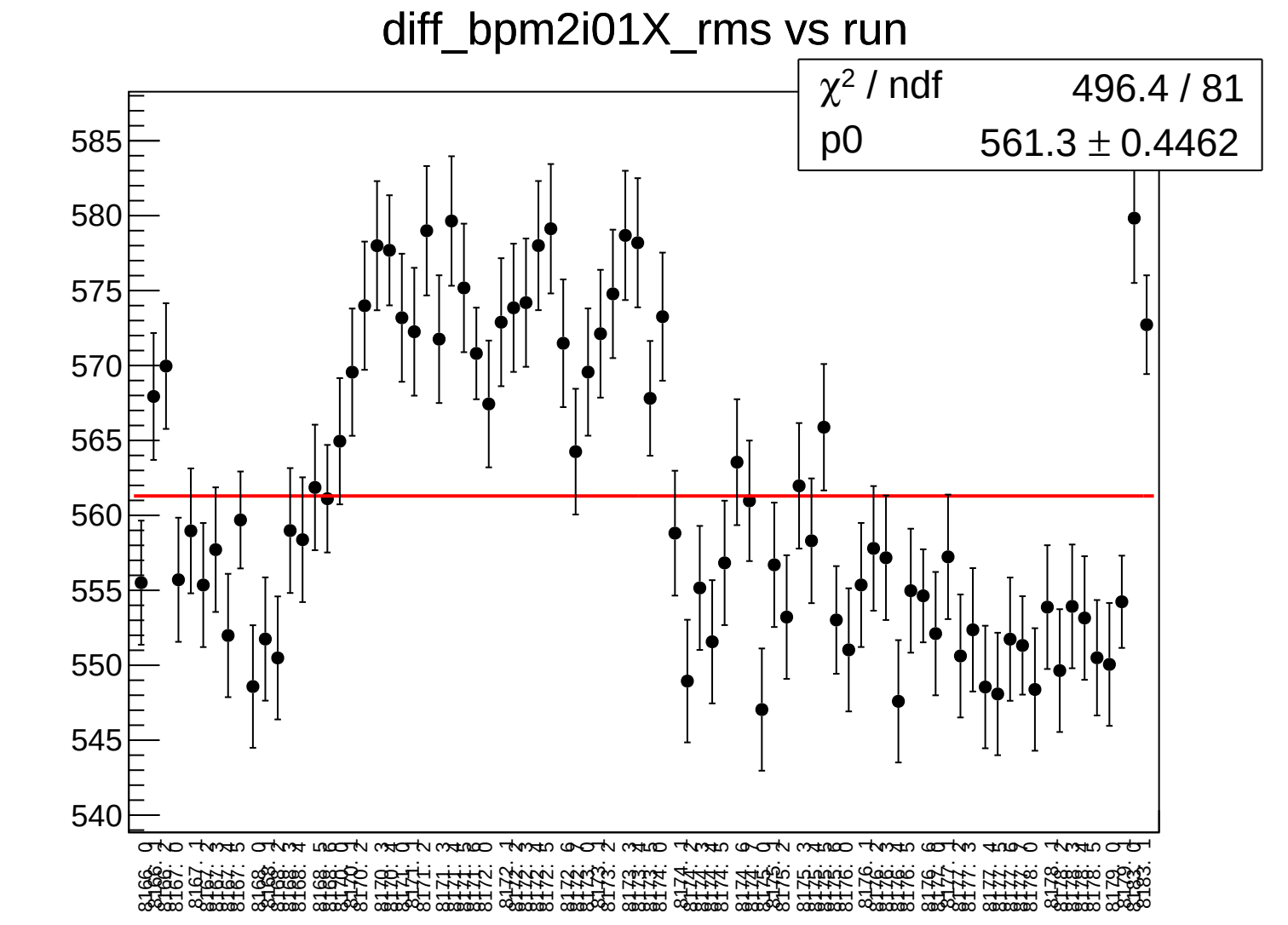

diff_bpm0r05Y_mean vs run
χ² / ndf 81.58 / 81
p0 −13.26 ± 2.904
pull
Entries 82
Mean 241.6
Std Dev 0

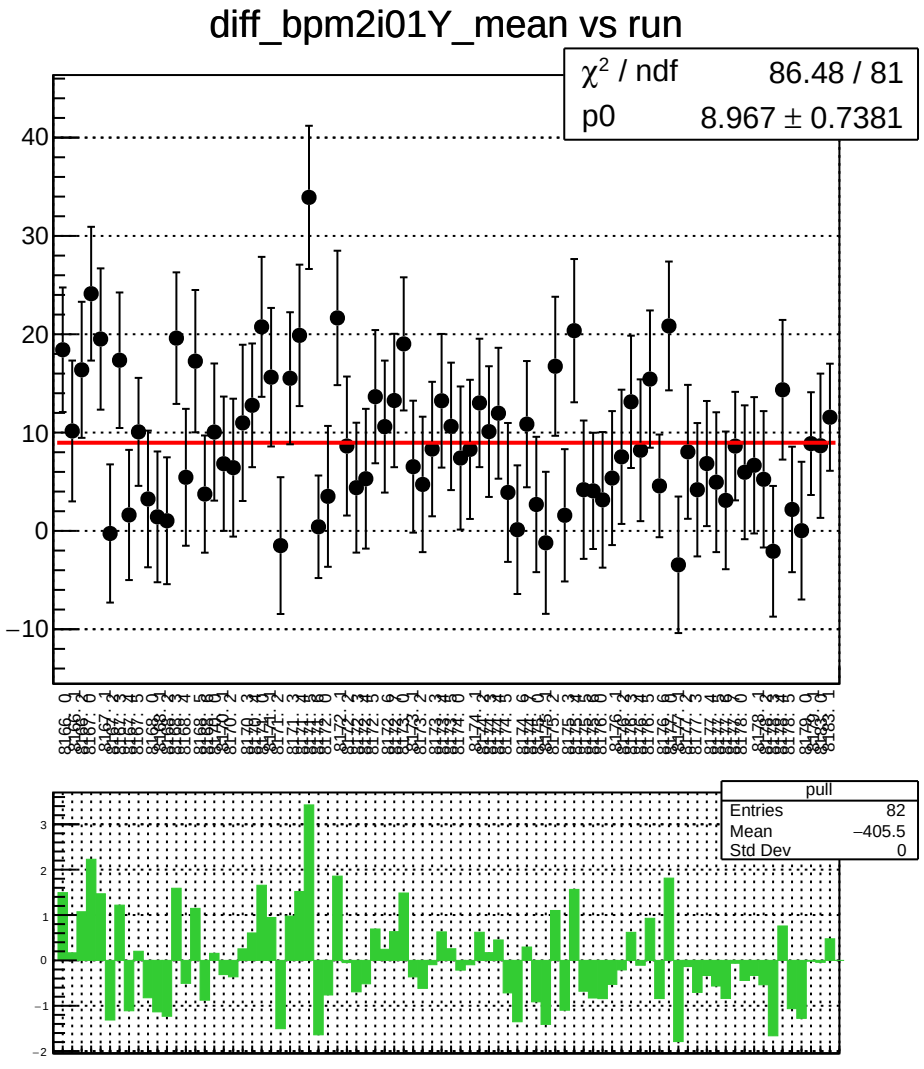

pull1D
Entries 82
Mean −0.01723
Std Dev 0.9973

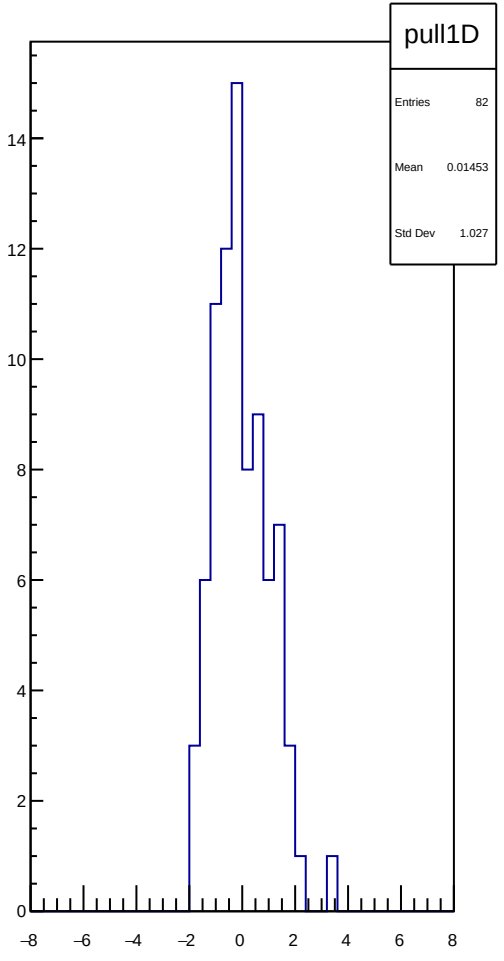

diff_bpm0r05Y_rms vs run
χ² / ndf 9072 / 81
p0 2576 ± 2.054
3800
3600
3400
3200
3000
2800
2600
2400
2200

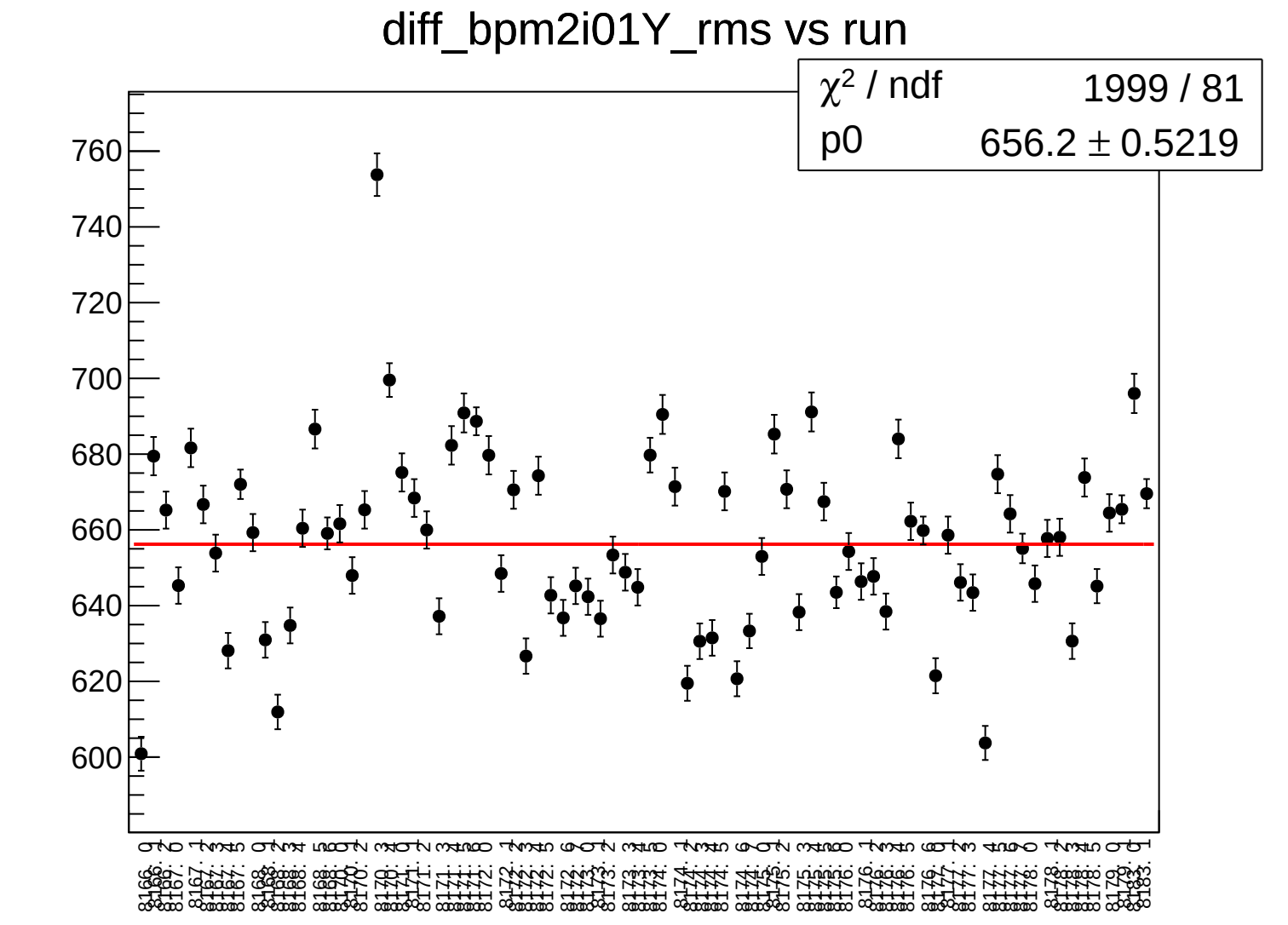

diff_bpm2i01X_mean vs run
χ^2 / ndf 76.4 / 81
p0 6.397 ± 0.631
pull
Entries 82
Mean −1043
Std Dev 0

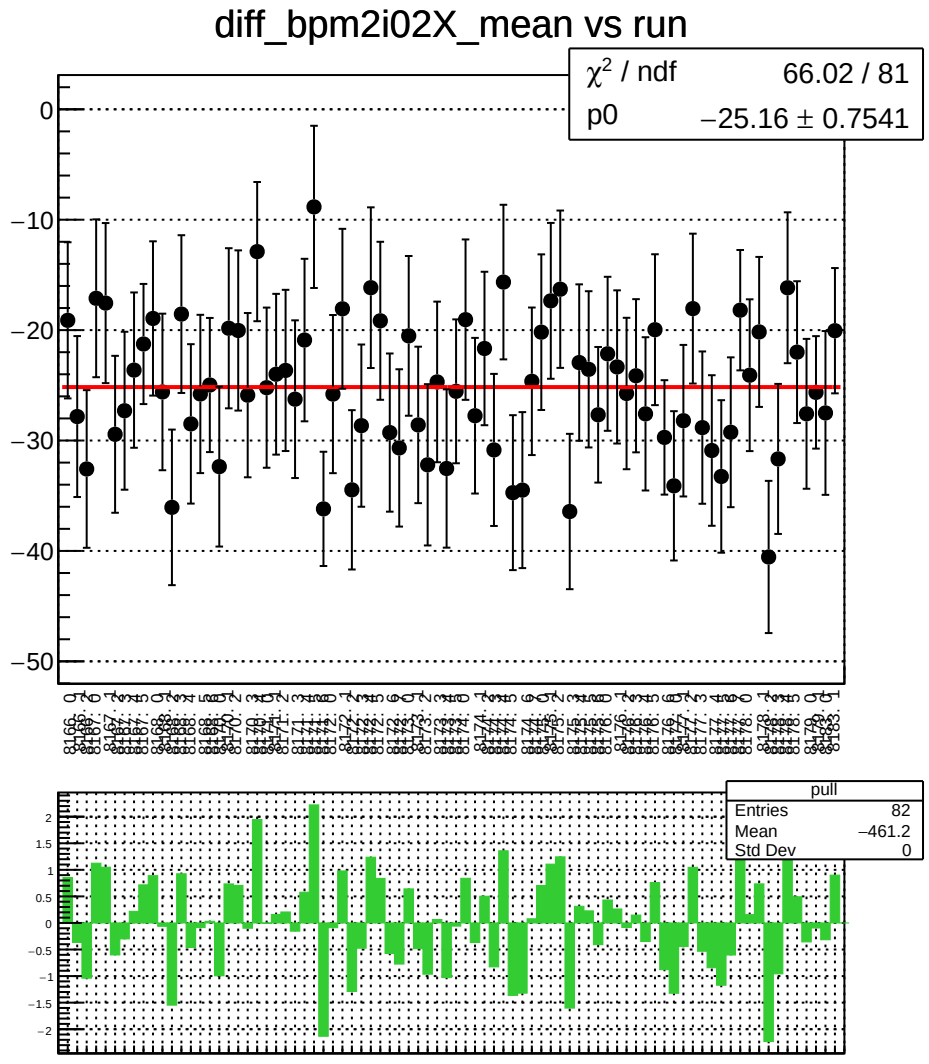

pull1D
Entries 82
Mean 0.001202
Std Dev 0.9653

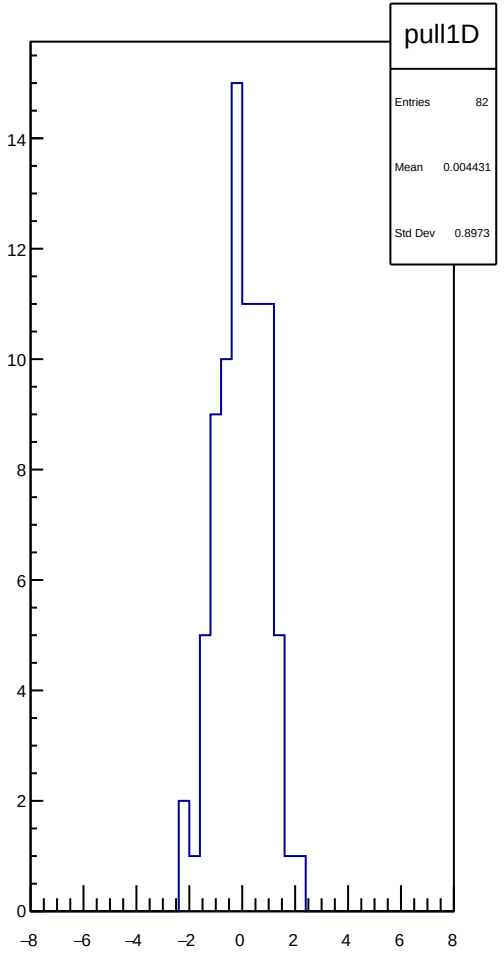

diff_bpm2i01X_rms vs run
χ² / ndf 496.4 / 81
p0 561.3 ± 0.4462
585
580
575
570
565
560
555
550
545
540

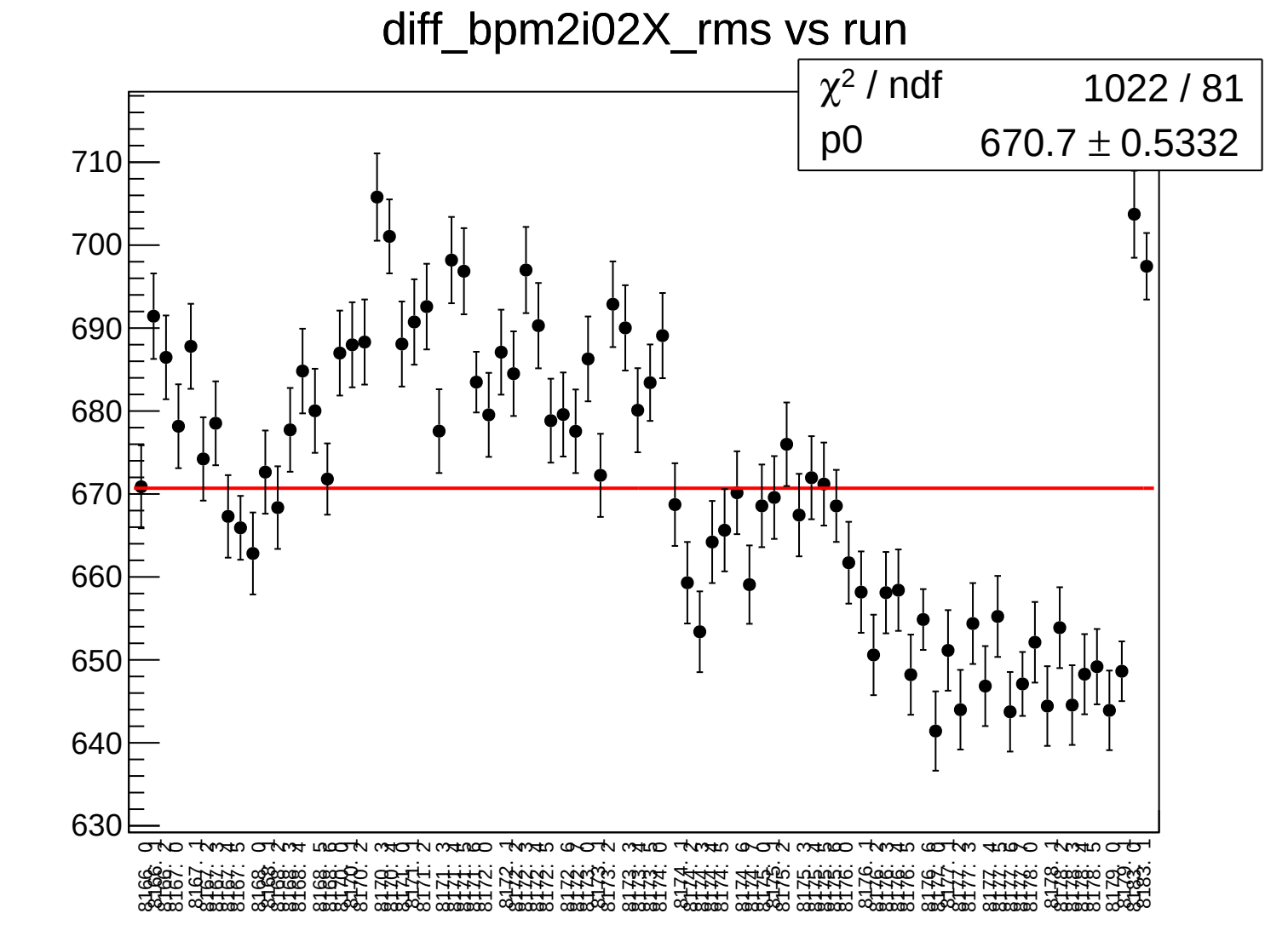

diff_bpm2i01Y_mean vs run
χ² / ndf 86.48 / 81
p0 8.967 ± 0.7381
pull
Entries 82
Mean −405.5
Std Dev 0

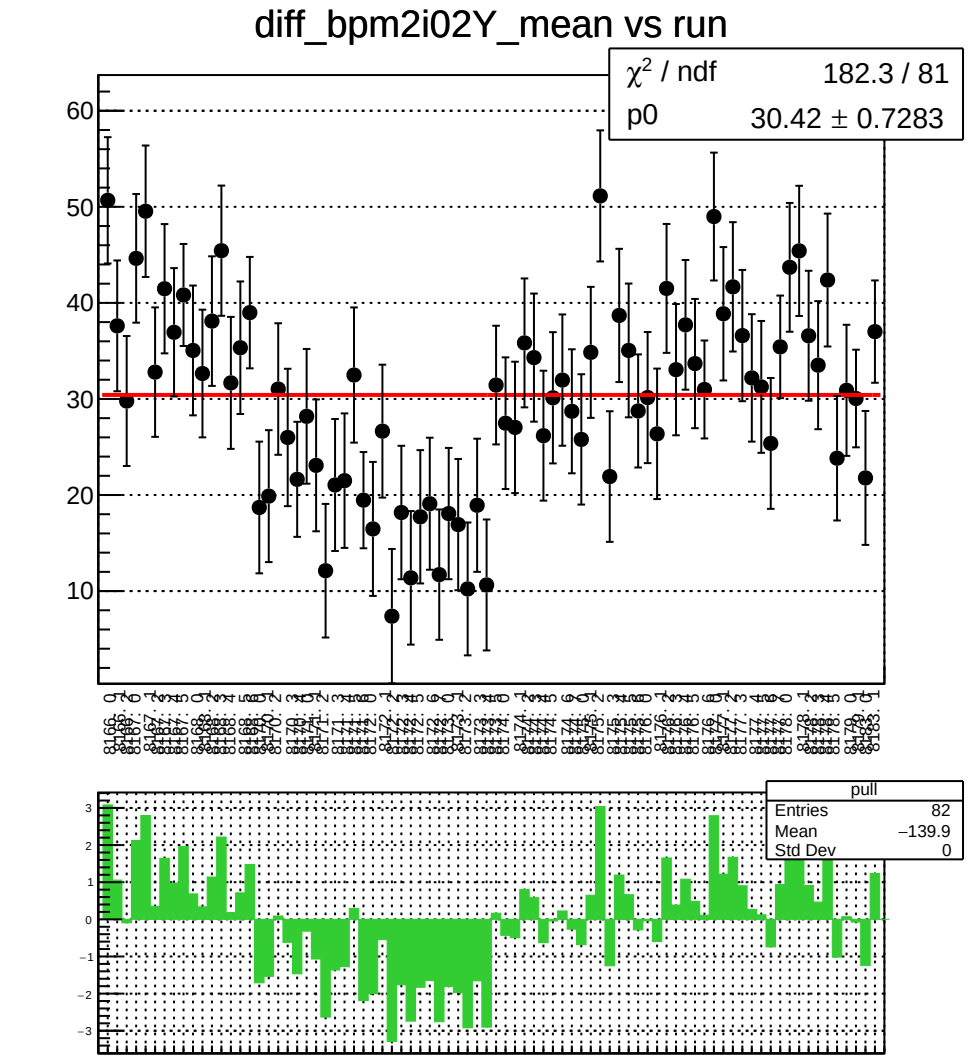

pull1D
Entries 82
Mean 0.01453
Std Dev 1.027

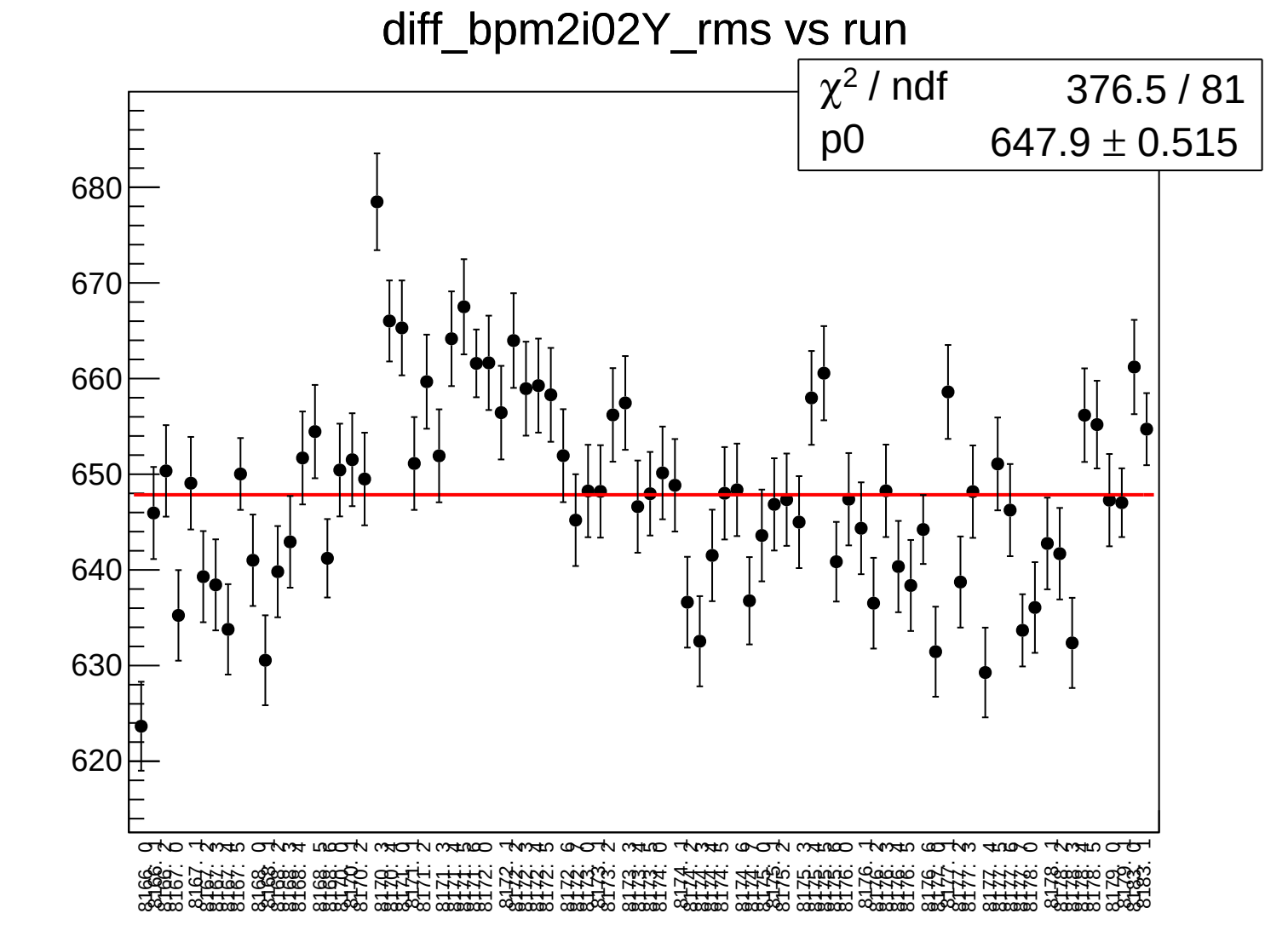

diff_bpm2i01Y_rms vs run
χ² / ndf 1999 / 81
p0 656.2 ± 0.5219
760
740
720
700
680
660
640
620
600

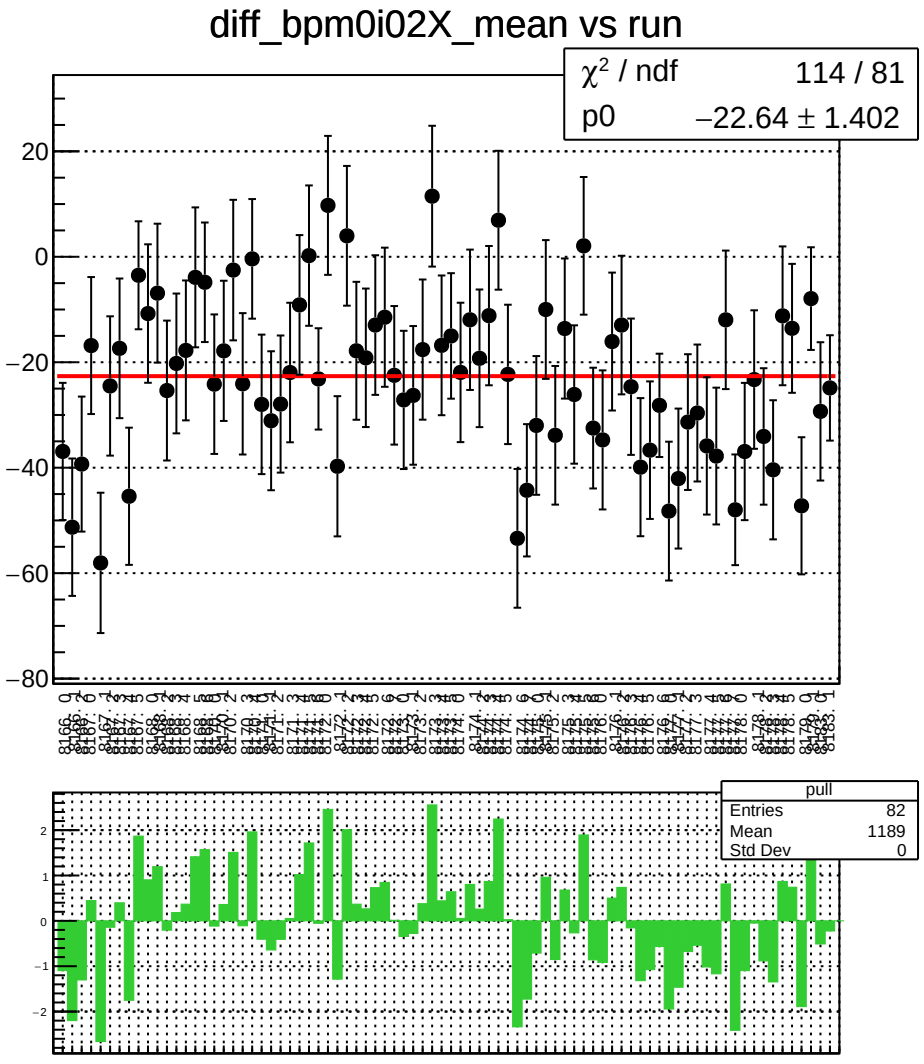

diff_bpm2i02X_mean vs run
χ² / ndf 66.02 / 81
p0 −25.16 ± 0.7541
pull
Entries 82
Mean −461.2
Std Dev 0

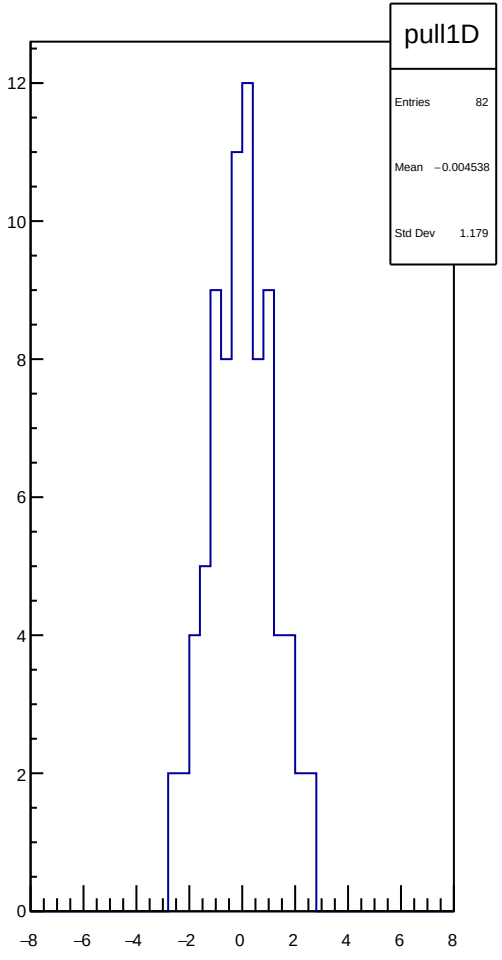

pull1D
Entries 82
Mean 0.004431
Std Dev 0.8973

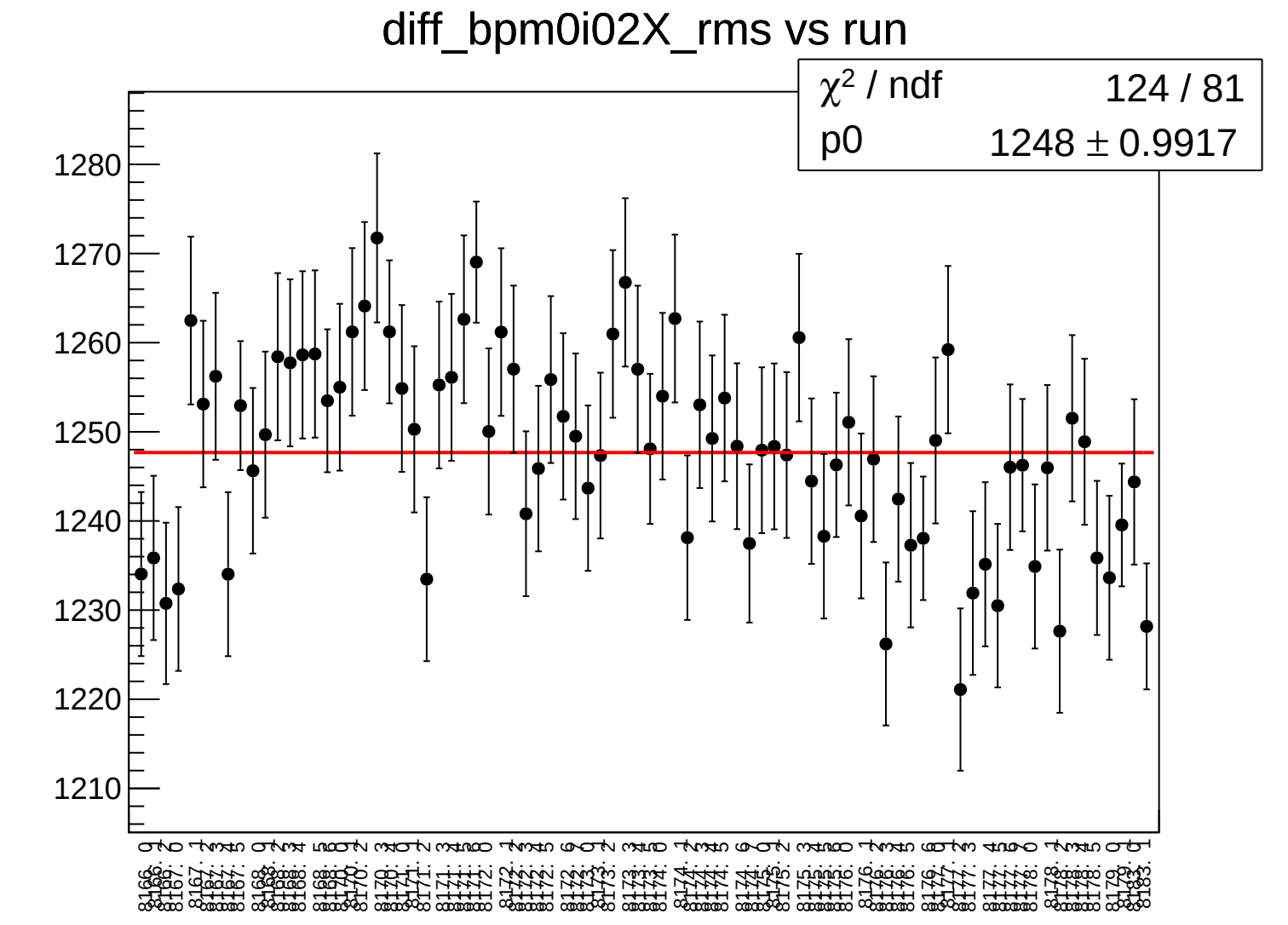

diff_bpm2i02X_rms vs run
χ² / ndf 1022 / 81
p0 670.7 ± 0.5332
710
700
690
680
670
660
650
640
630

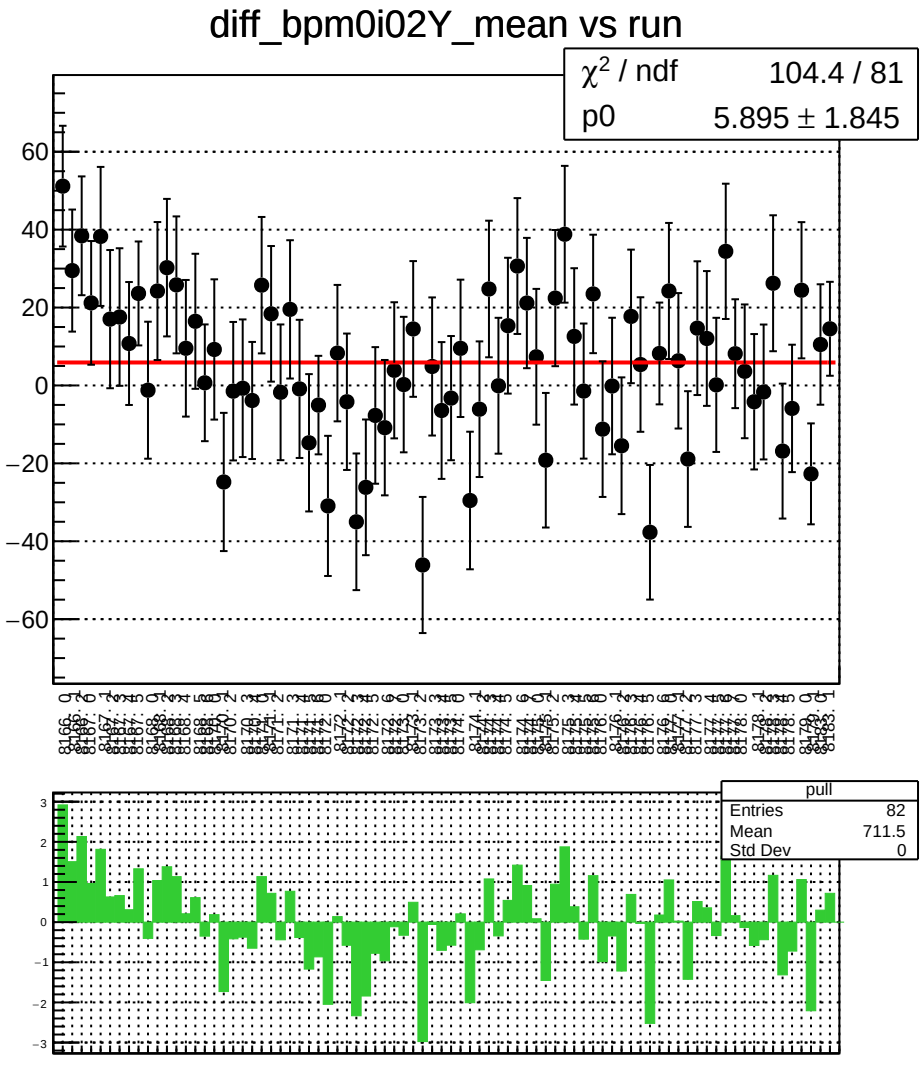

diff_bpm2i02Y_mean vs run
χ² / ndf 182.3 / 81
p0 30.42 ± 0.7283
pull
Entries 82
Mean −139.9
Std Dev 0
pull1D
Entries 82
Mean −0.01472
Std Dev 1.491

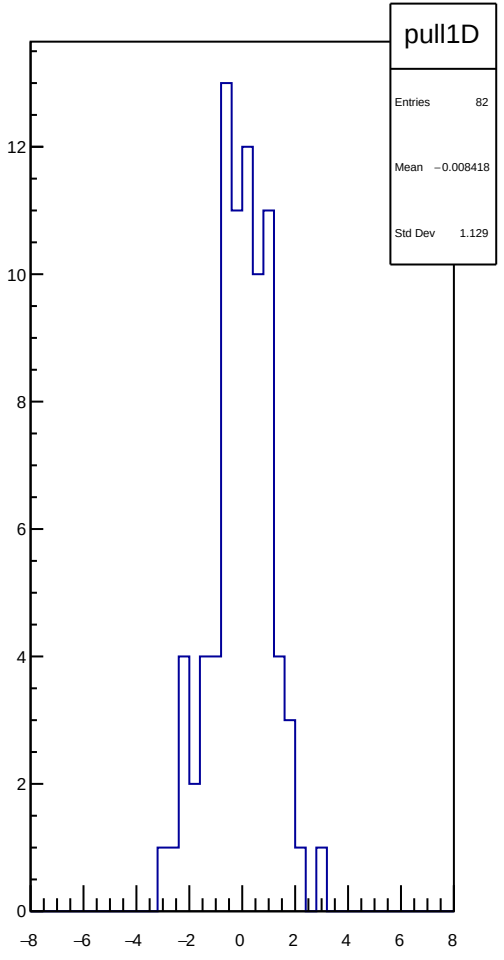

diff_bpm2i02Y_rms vs run
χ^2 / ndf 376.5 / 81
p0 647.9 ± 0.515
680
670
660
650
640
630
620

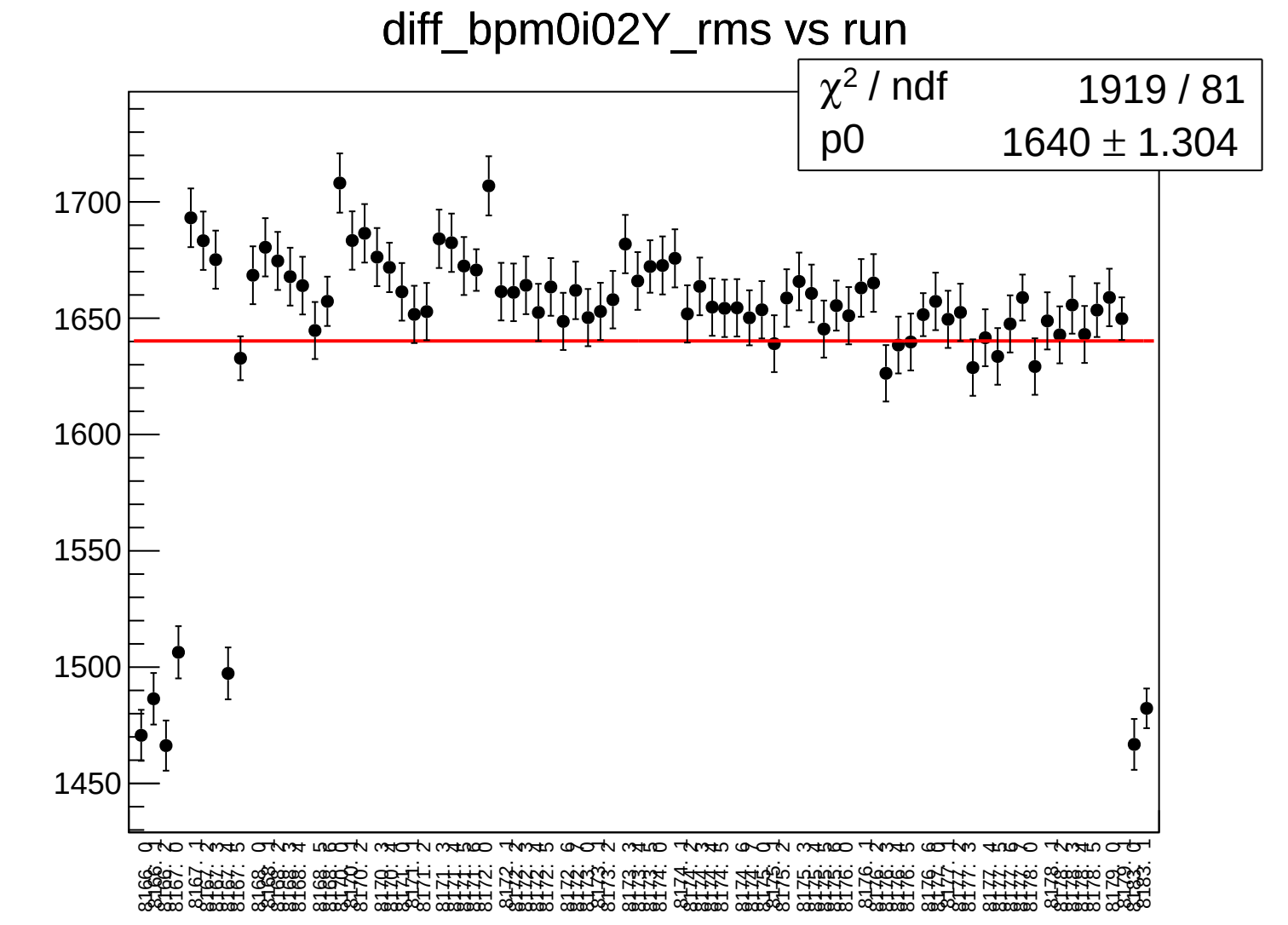

diff_bpm0i02X_mean vs run
χ^2 / ndf 114 / 81
p0 −22.64 ± 1.402
pull
Entries 82
Mean 1189
Std Dev 0

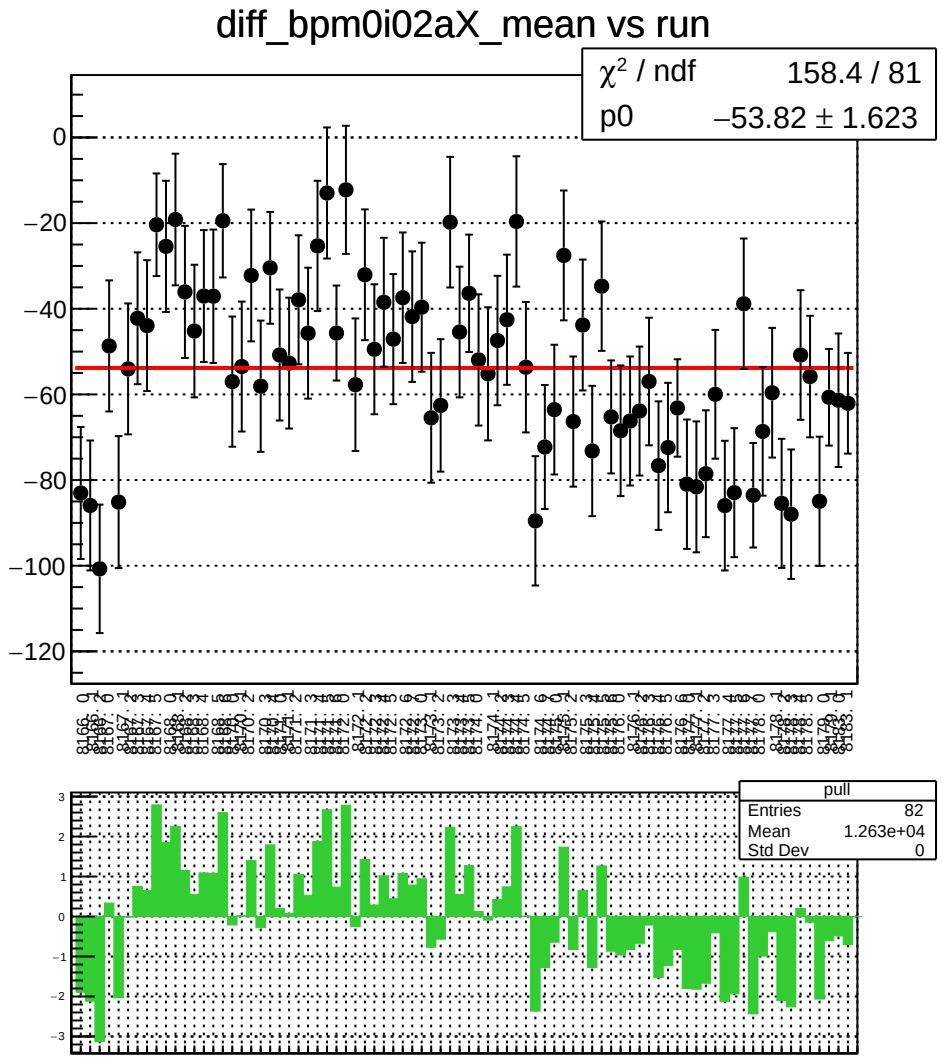

pull1D
Entries 82
Mean −0.004538
Std Dev 1.179

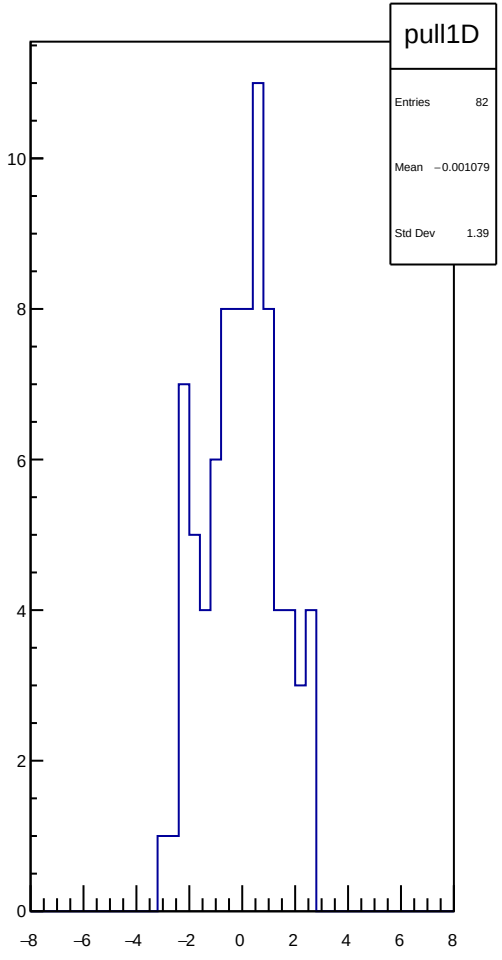

diff_bpm0i02X_rms vs run
χ² / ndf 124 / 81
p0 1248 ± 0.9917
1280
1270
1260
1250
1240
1230
1220
1210

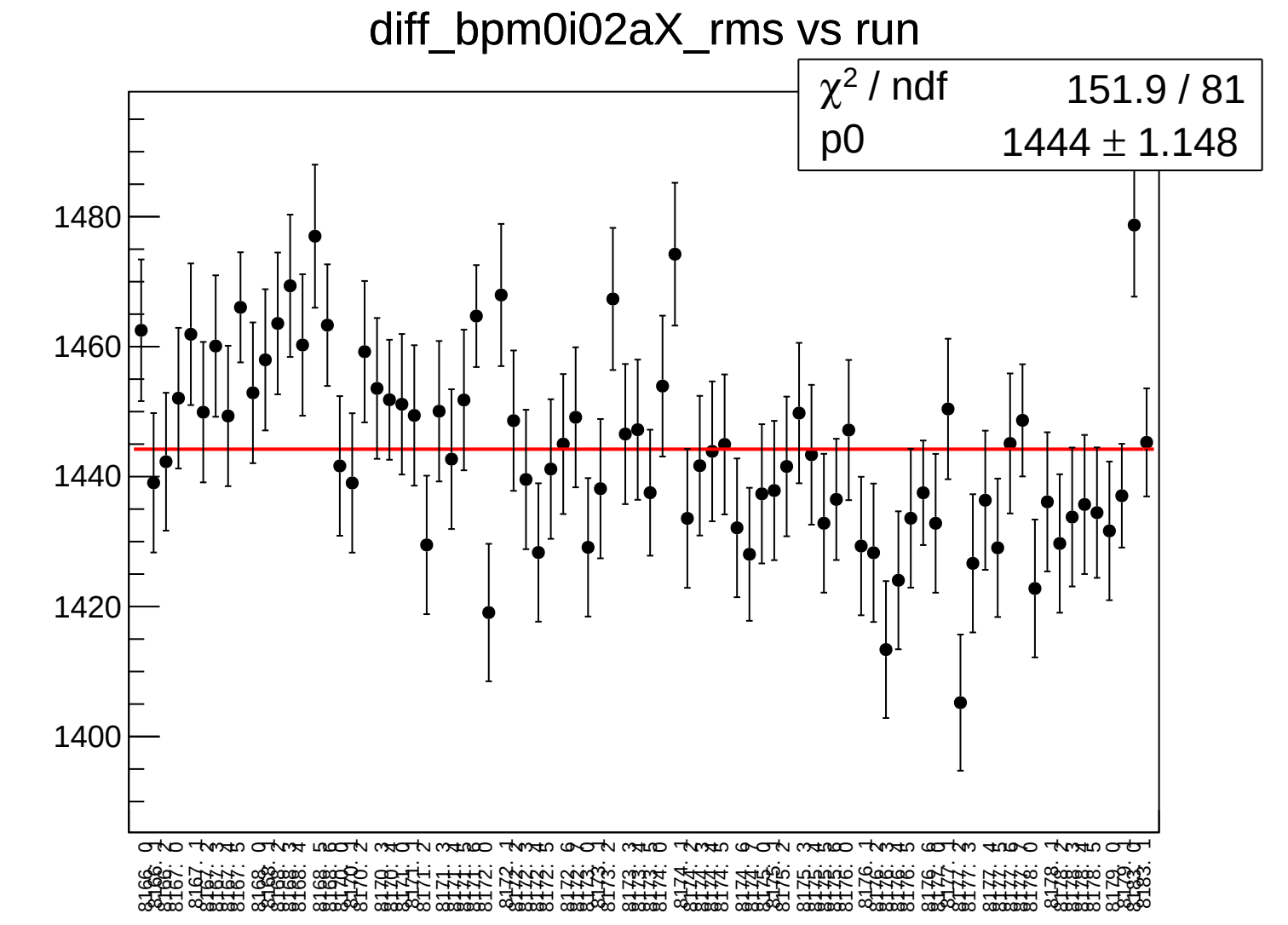

diff_bpm0i02Y_mean vs run
χ² / ndf 104.4 / 81
p0 5.895 ± 1.845
pull
Entries 82
Mean 711.5
Std Dev 0

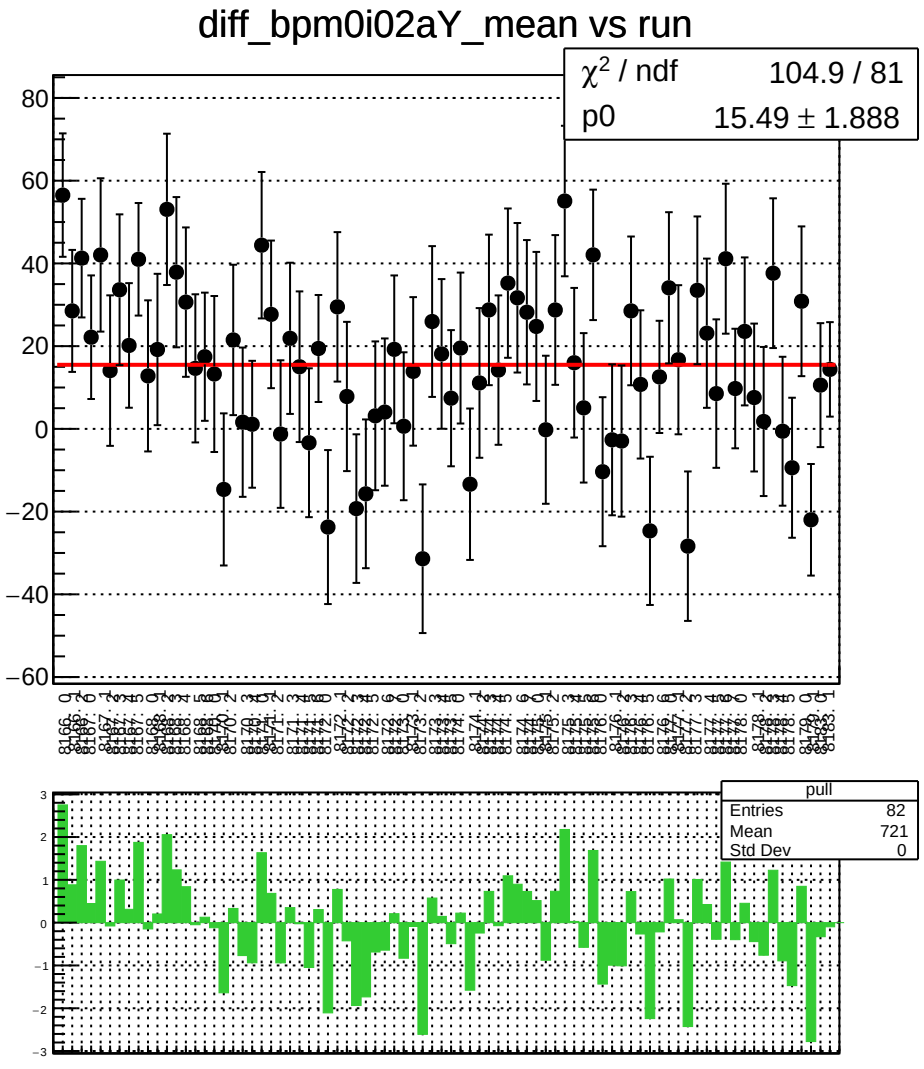

pull1D
Entries 82
Mean −0.008418
Std Dev 1.129

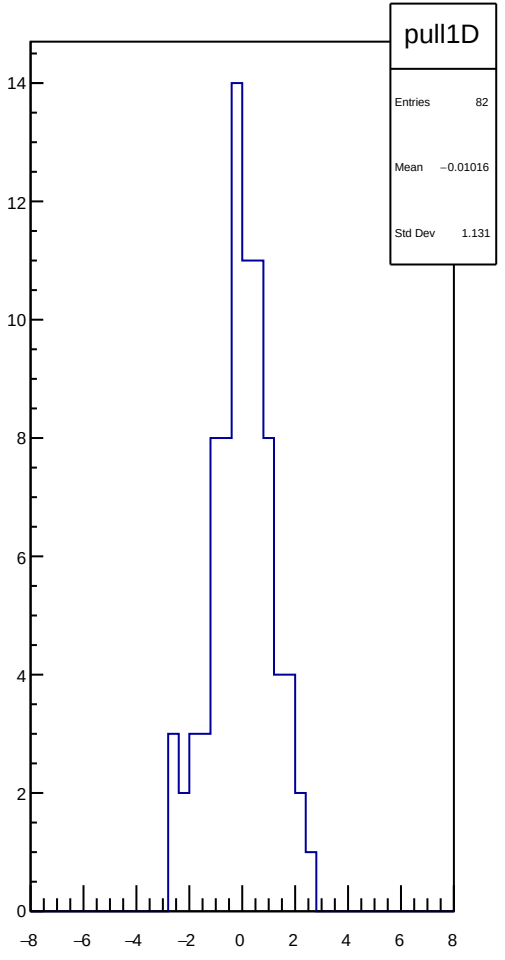

diff_bpm0i02Y_rms vs run
χ² / ndf 1919 / 81
p0 1640 ± 1.304
1700
1650
1600
1550
1500
1450

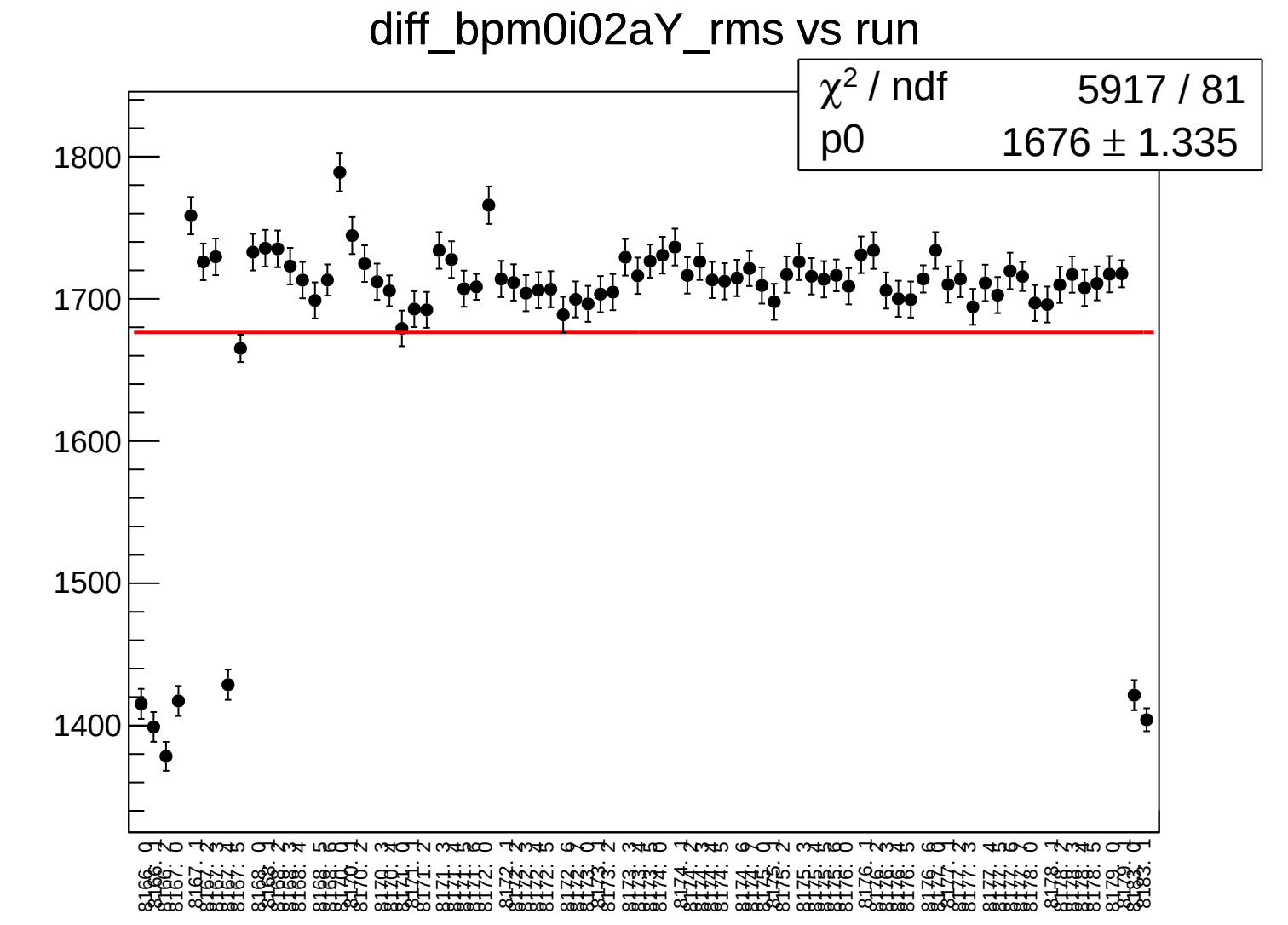

diff_bpm0i02aX_mean vs run
χ² / ndf 158.4 / 81
p0 −53.82 ± 1.623
pull
Entries 82
Mean 1.263e+04
Std Dev 0

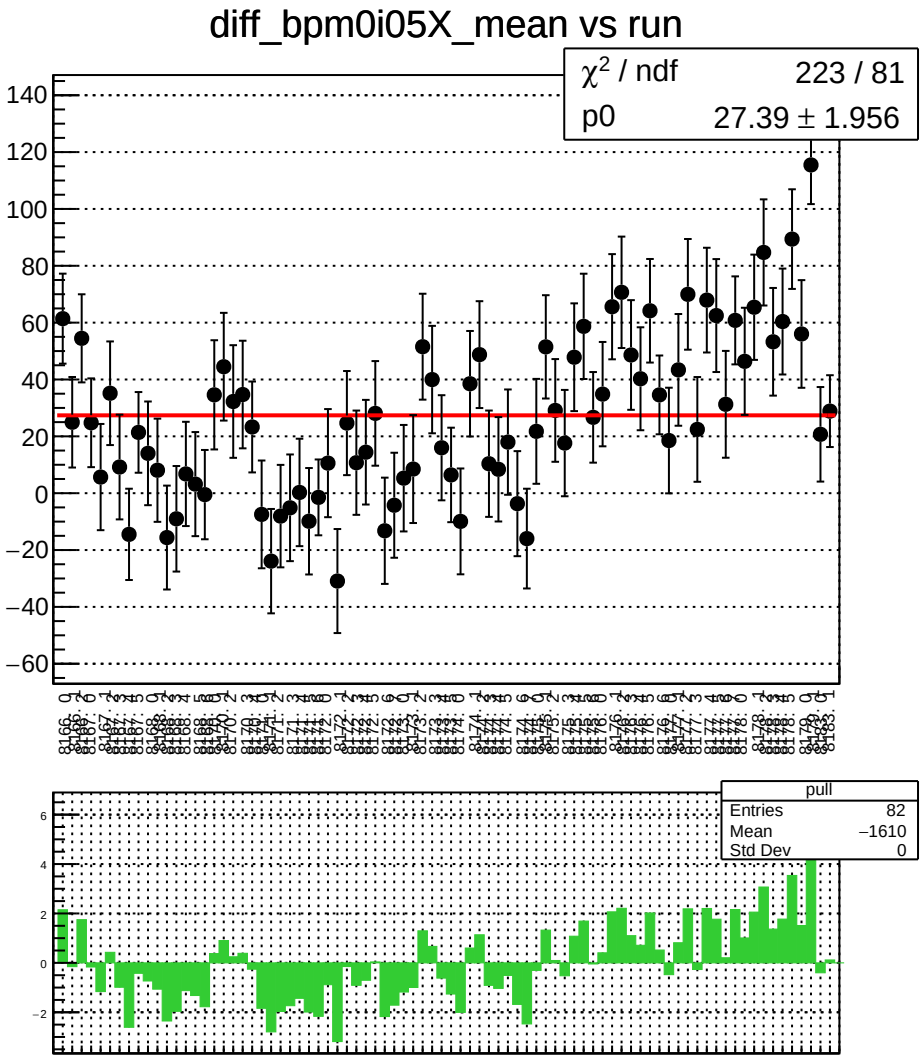

pull1D
Entries 82
Mean −0.001079
Std Dev 1.39

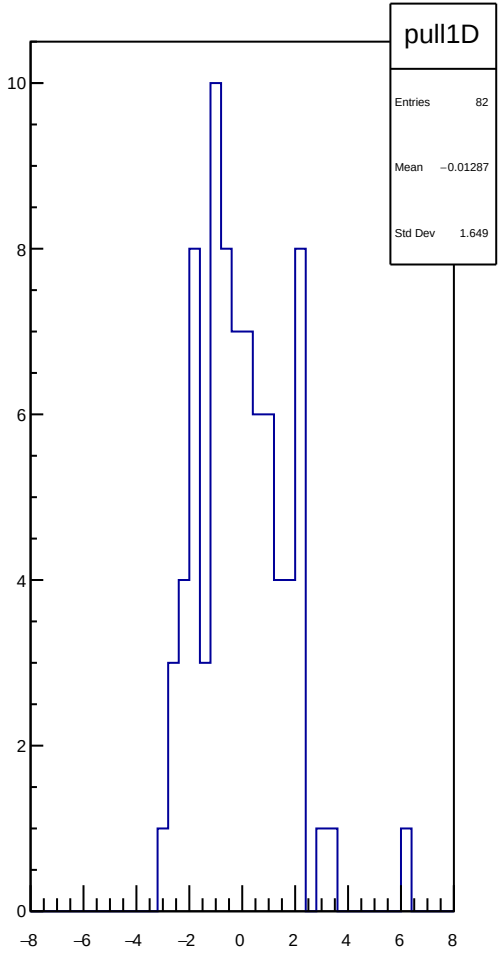

diff_bpm0i02aX_rms vs run
χ² / ndf 151.9 / 81
p0 1444 ± 1.148
1480
1460
1440
1420
1400

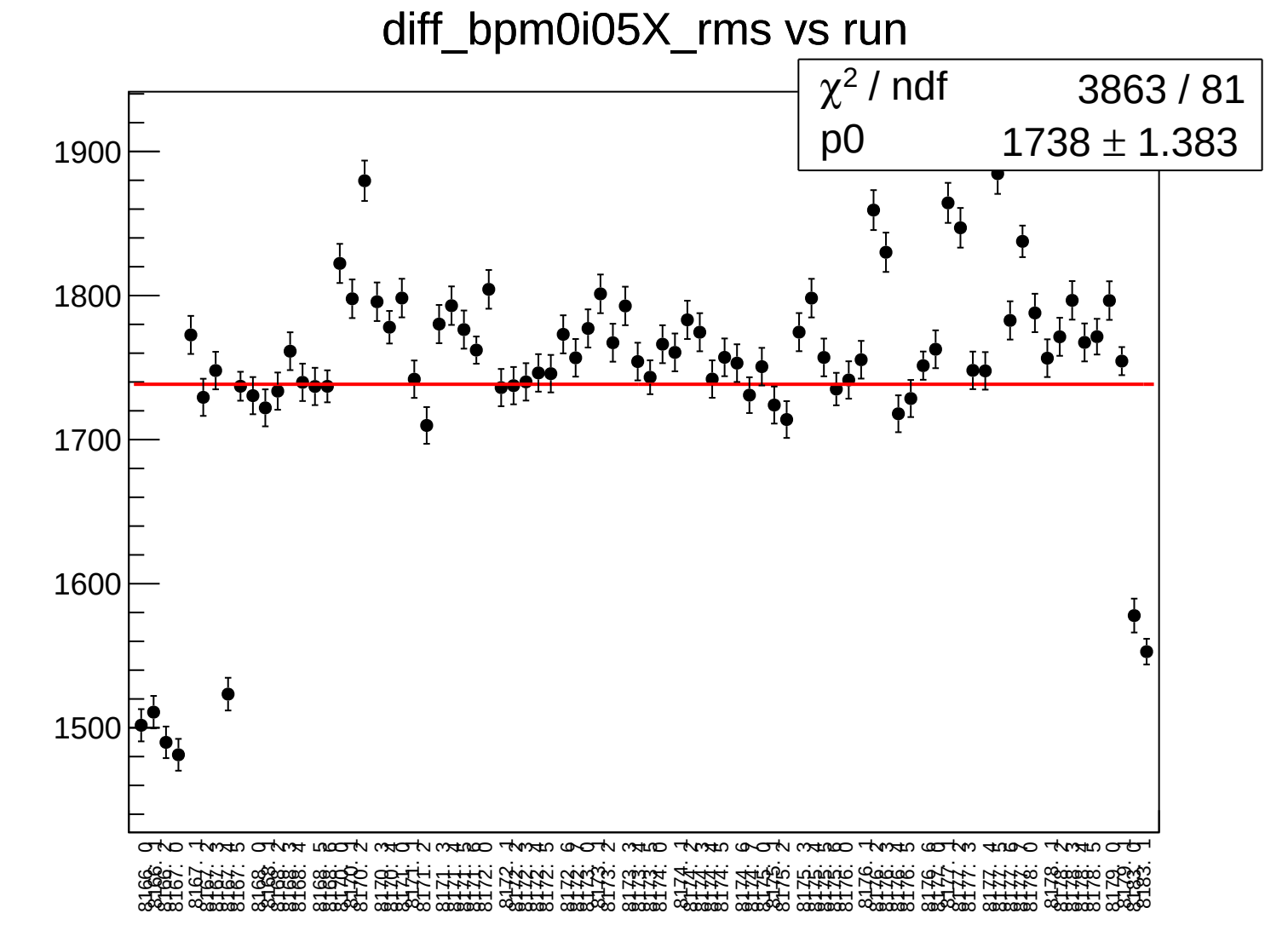

diff_bpm0i02aY_mean vs run
χ² / ndf 104.9 / 81
p0 15.49 ± 1.888
pull
Entries 82
Mean 721
Std Dev 0

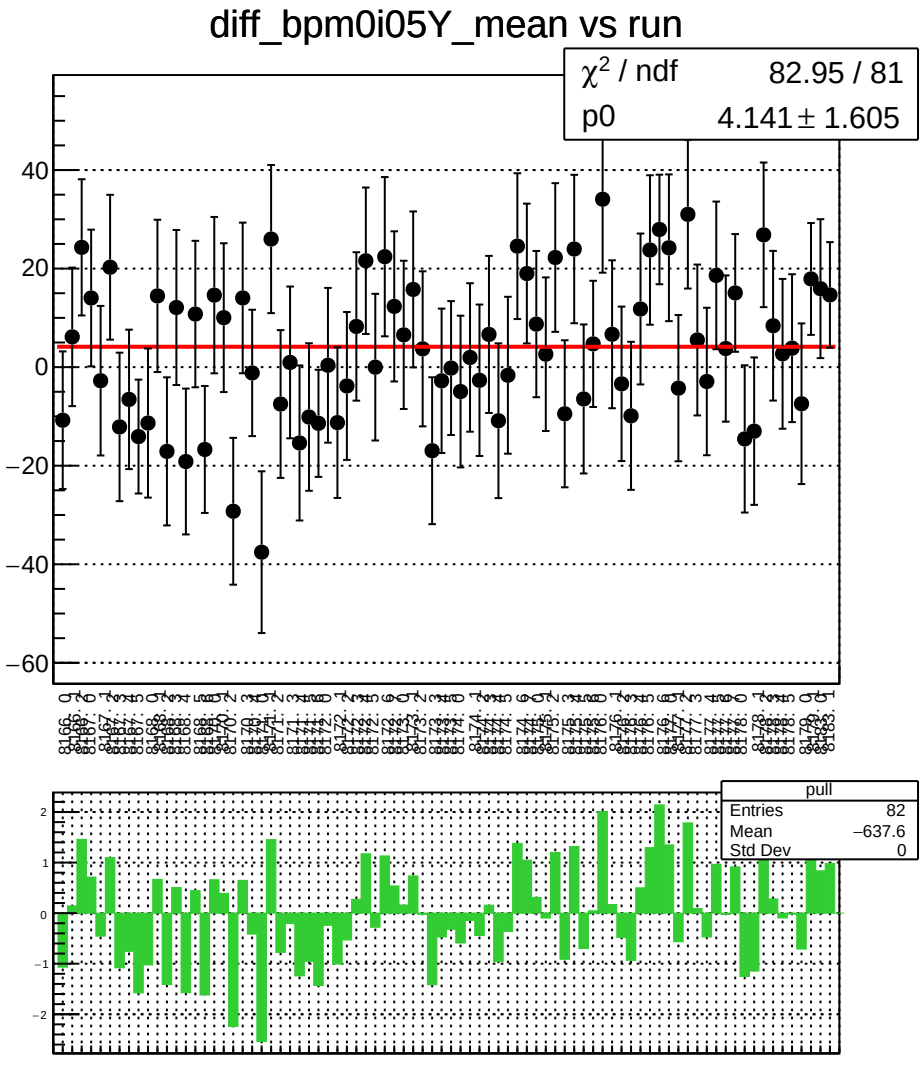

pull1D
Entries 82
Mean −0.01016
Std Dev 1.131

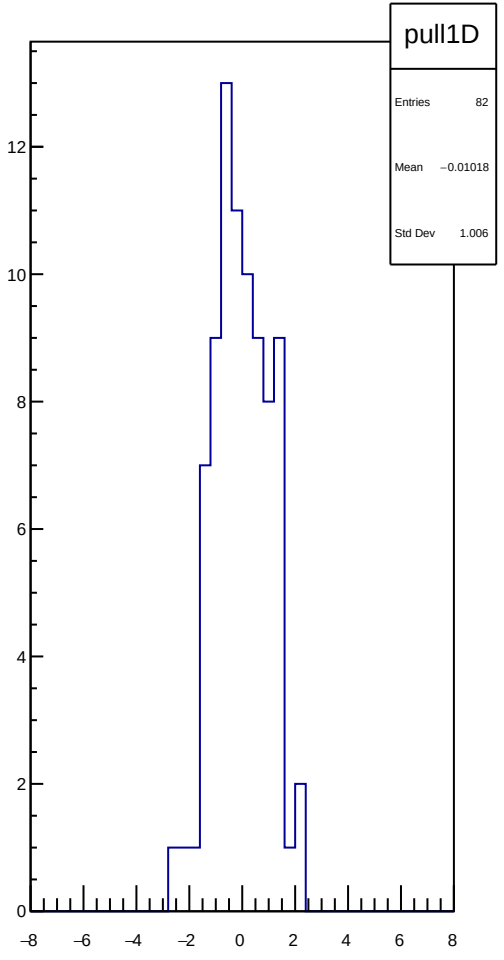

diff_bpm0i02aY_rms vs run
χ² / ndf 5917 / 81
p0 1676 ± 1.335
1800
1700
1600
1500
1400

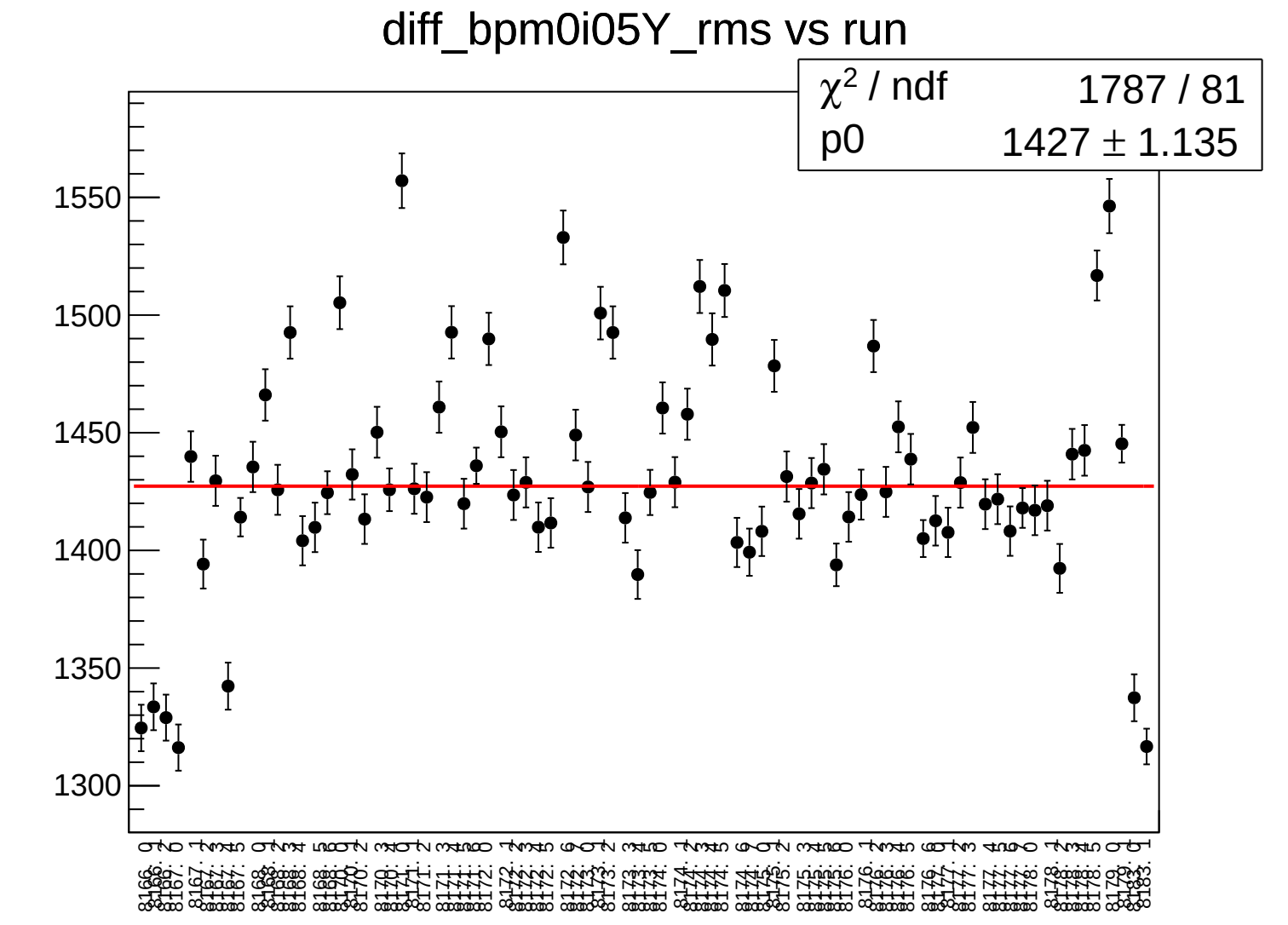

diff_bpm0i05X_mean vs run
χ² / ndf 223 / 81
p0 27.39 ± 1.956
pull
Entries 82
Mean −1610
Std Dev 0

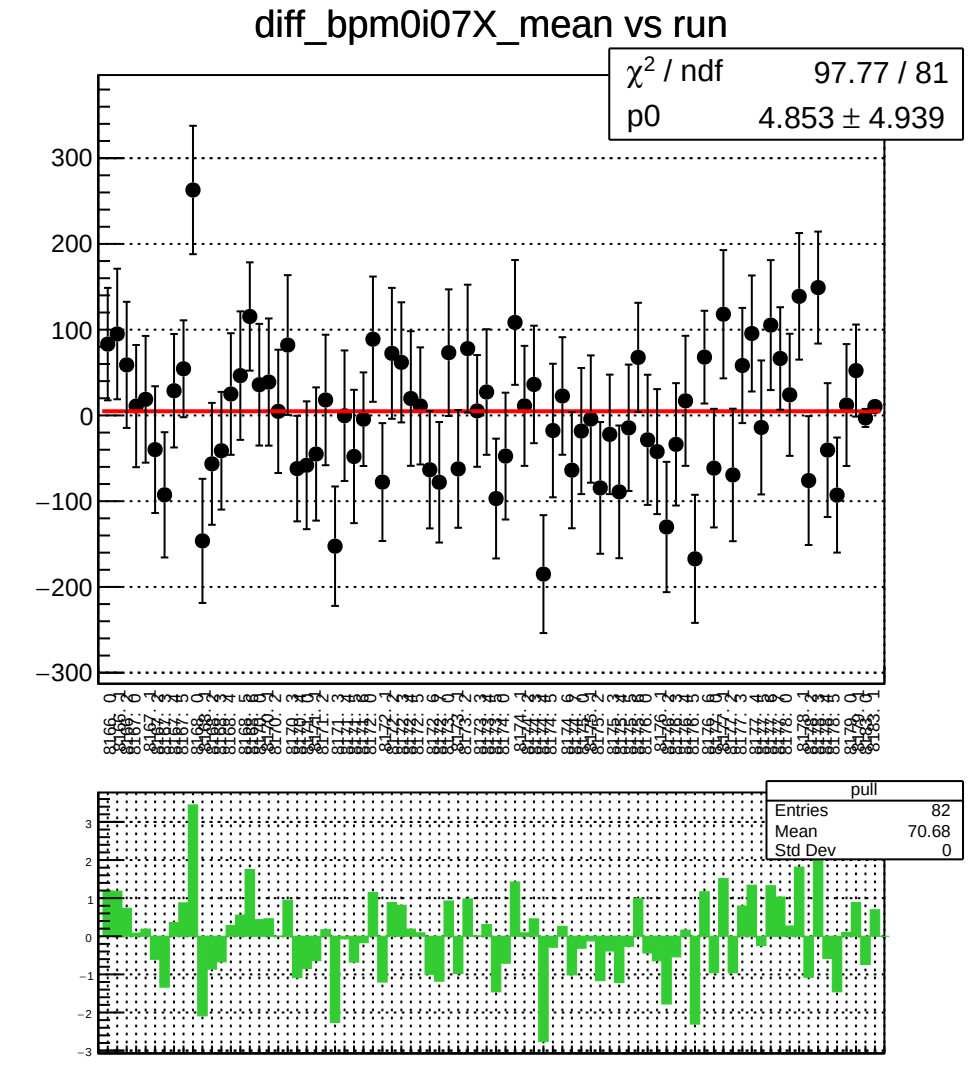

pull1D
Entries 82
Mean −0.01287
Std Dev 1.649

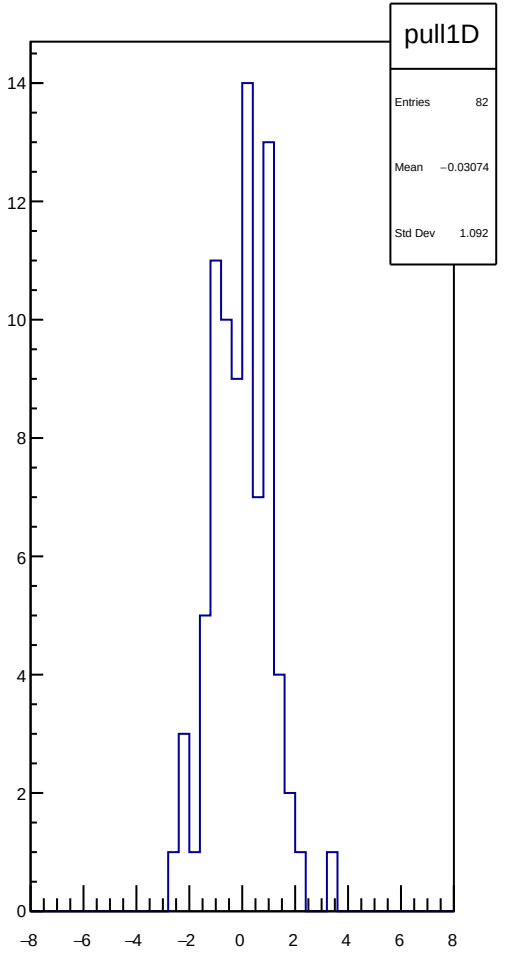

diff_bpm0i05X_rms vs run
χ² / ndf 3863 / 81
p0 1738 ± 1.383
1900
1800
1700
1600
1500

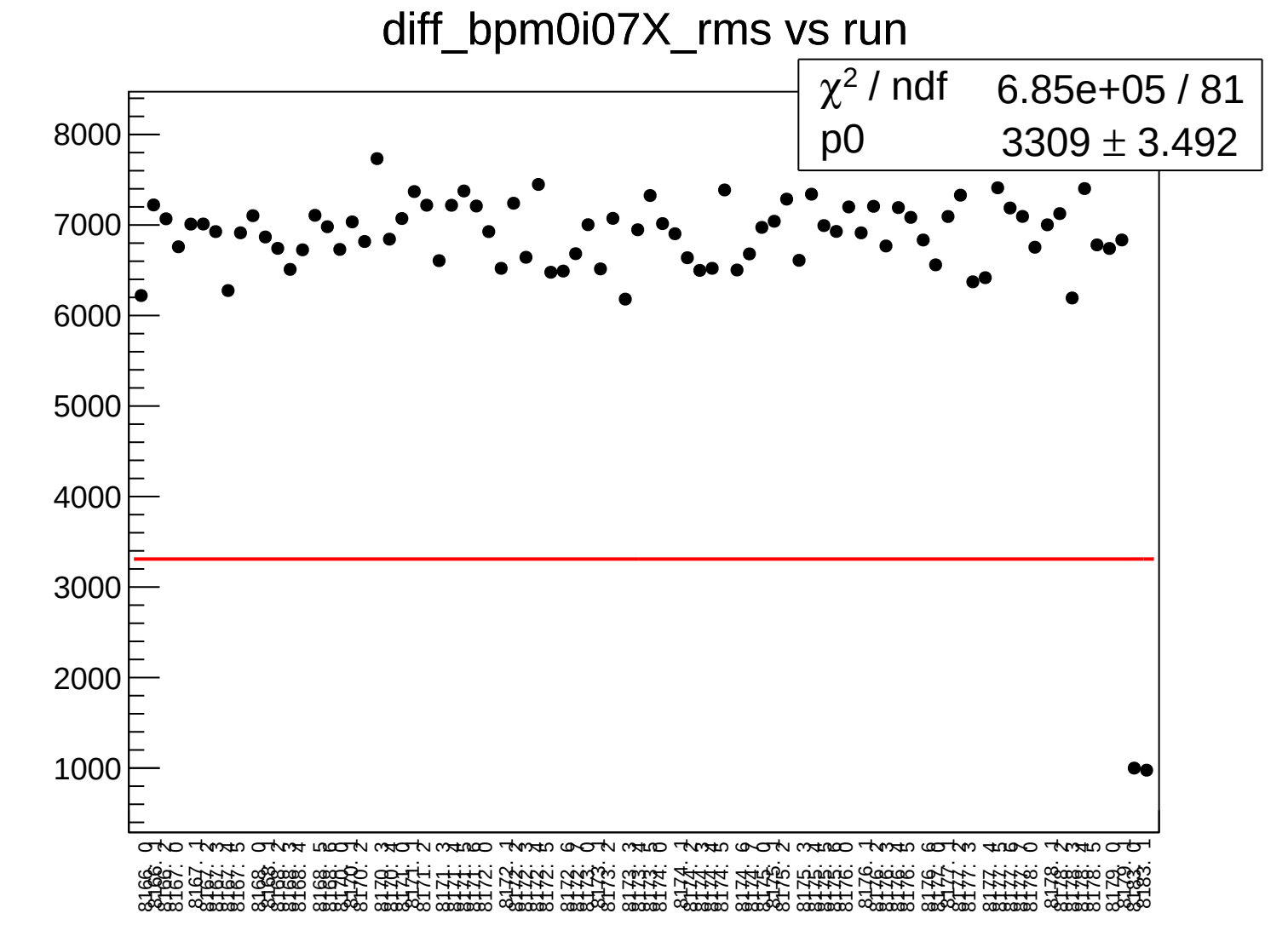

diff_bpm0i05Y_mean vs run
χ² / ndf 82.95 / 81
p0 4.141 ± 1.605
pull
Entries 82
Mean −637.6
Std Dev 0

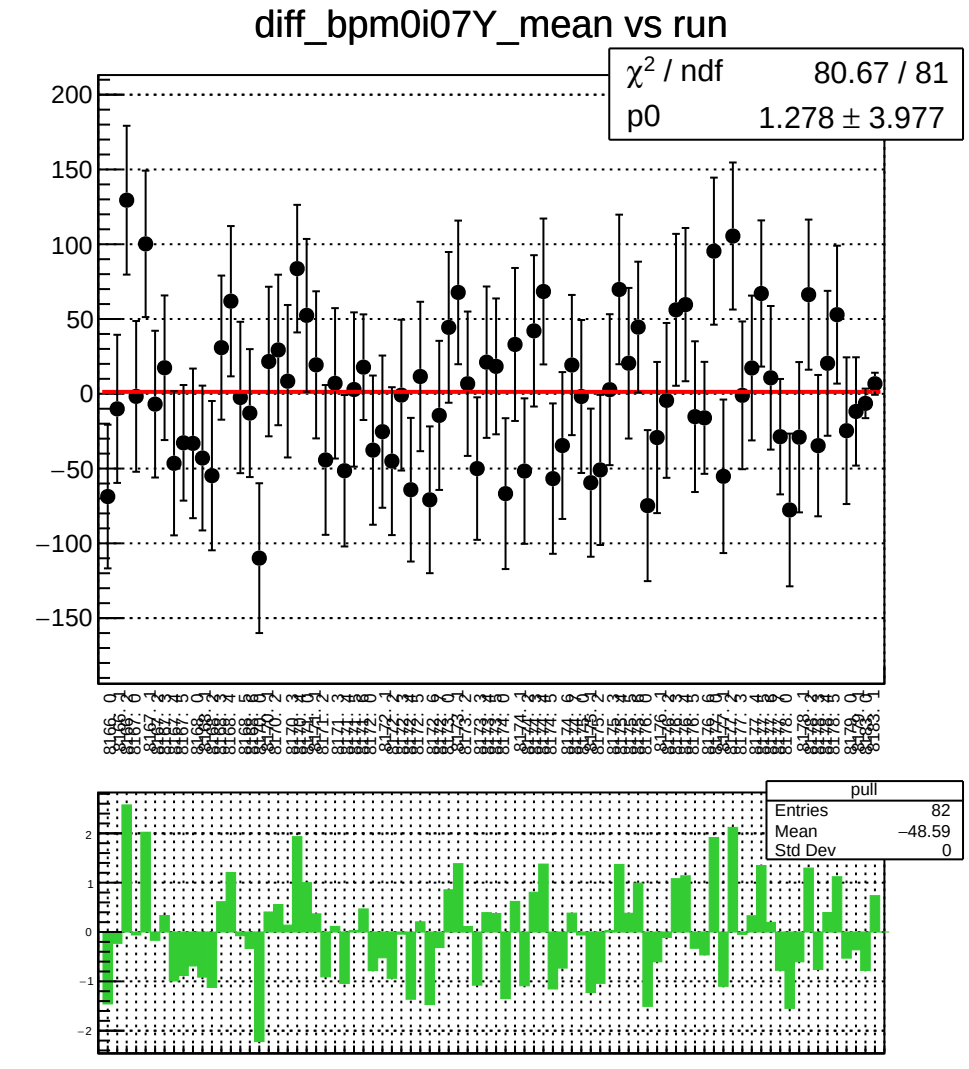

pull1D
Entries 82
Mean −0.01018
Std Dev 1.006

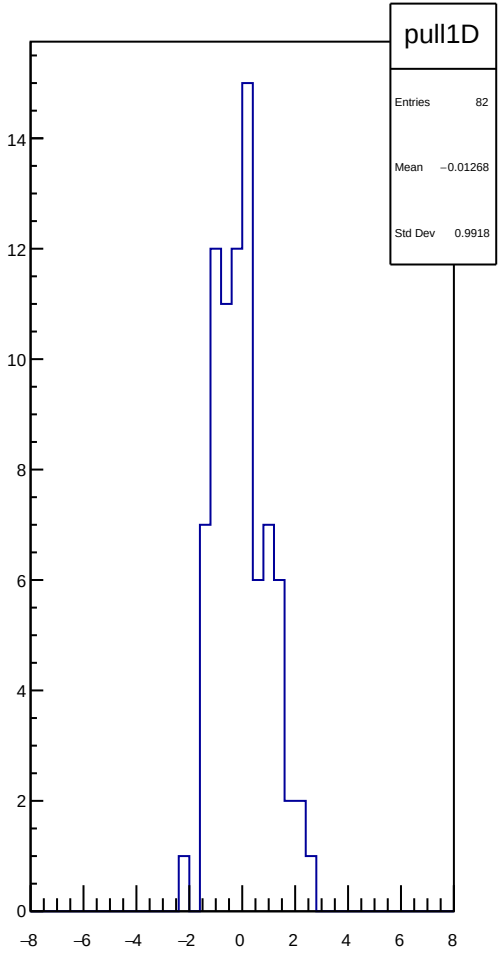

diff_bpm0i05Y_rms vs run
χ² / ndf 1787 / 81
p0 1427 ± 1.135
1550
1500
1450
1400
1350
1300

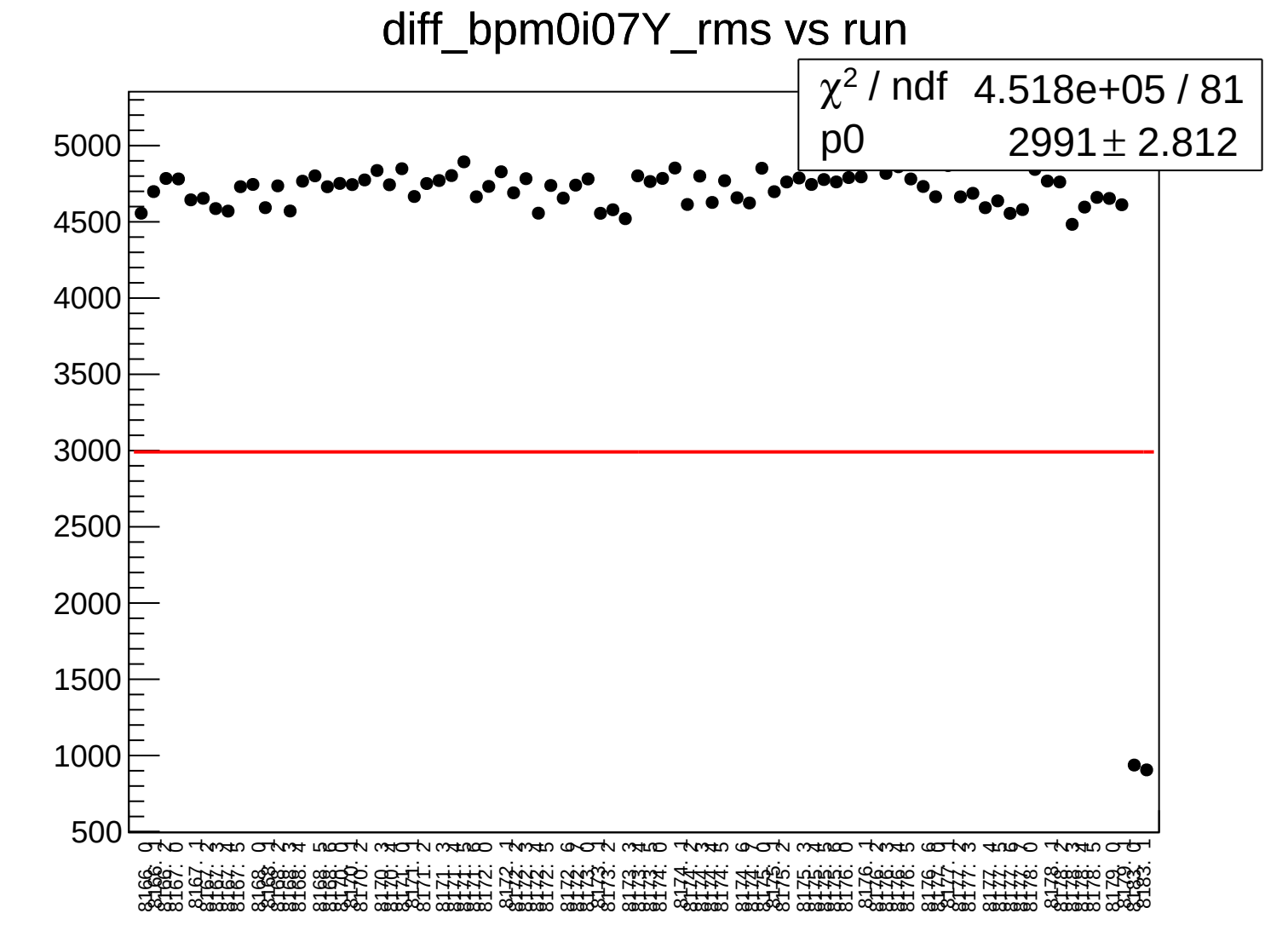

diff_bpm0i07X_mean vs run
χ² / ndf 97.77 / 81
p0 4.853 ± 4.939
pull
Entries 82
Mean 70.68
Std Dev 0

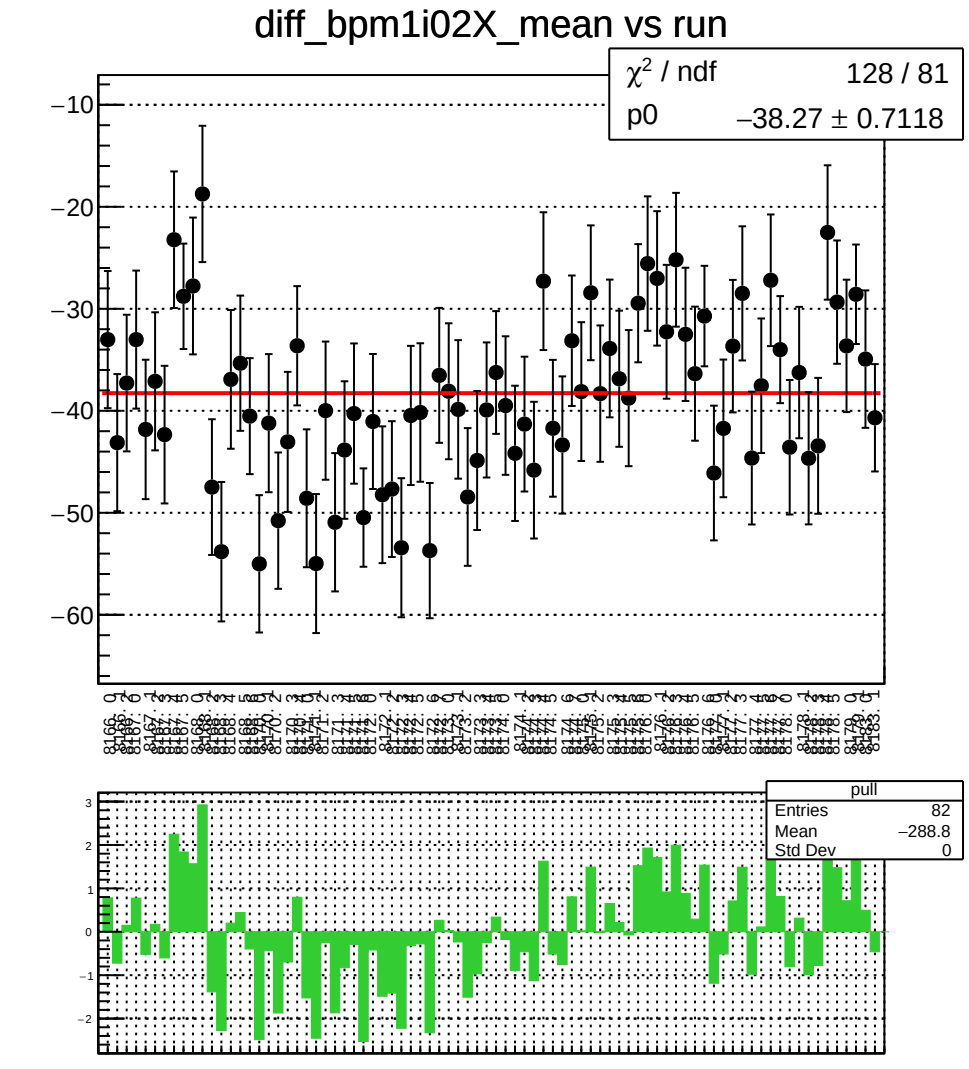

pull1D
Entries 82
Mean −0.03074
Std Dev 1.092

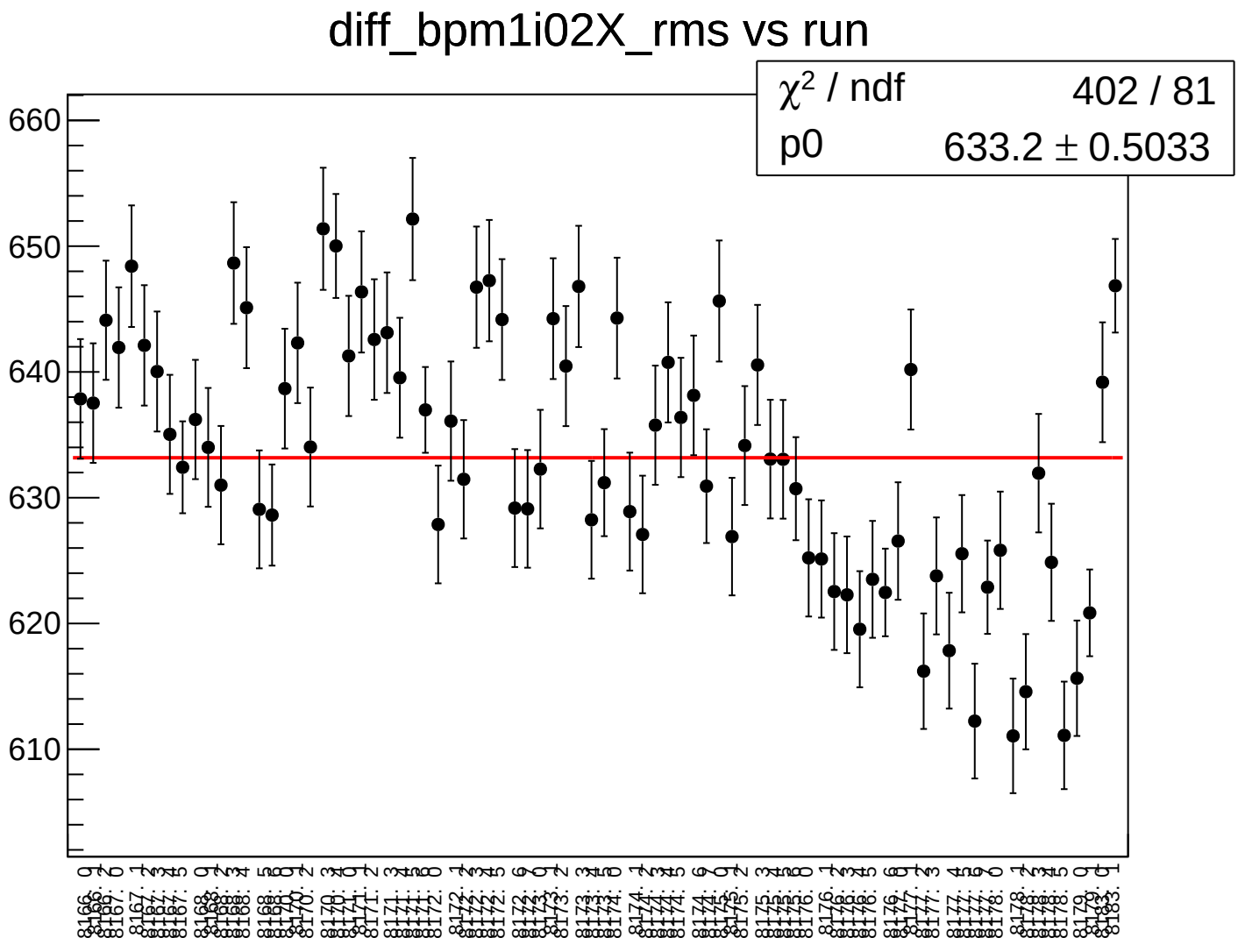

diff_bpm0i07X_rms vs run
χ^2 / ndf 6.85e+05 / 81
p0 3309 ± 3.492
8000
7000
6000
5000
4000
3000
2000
1000

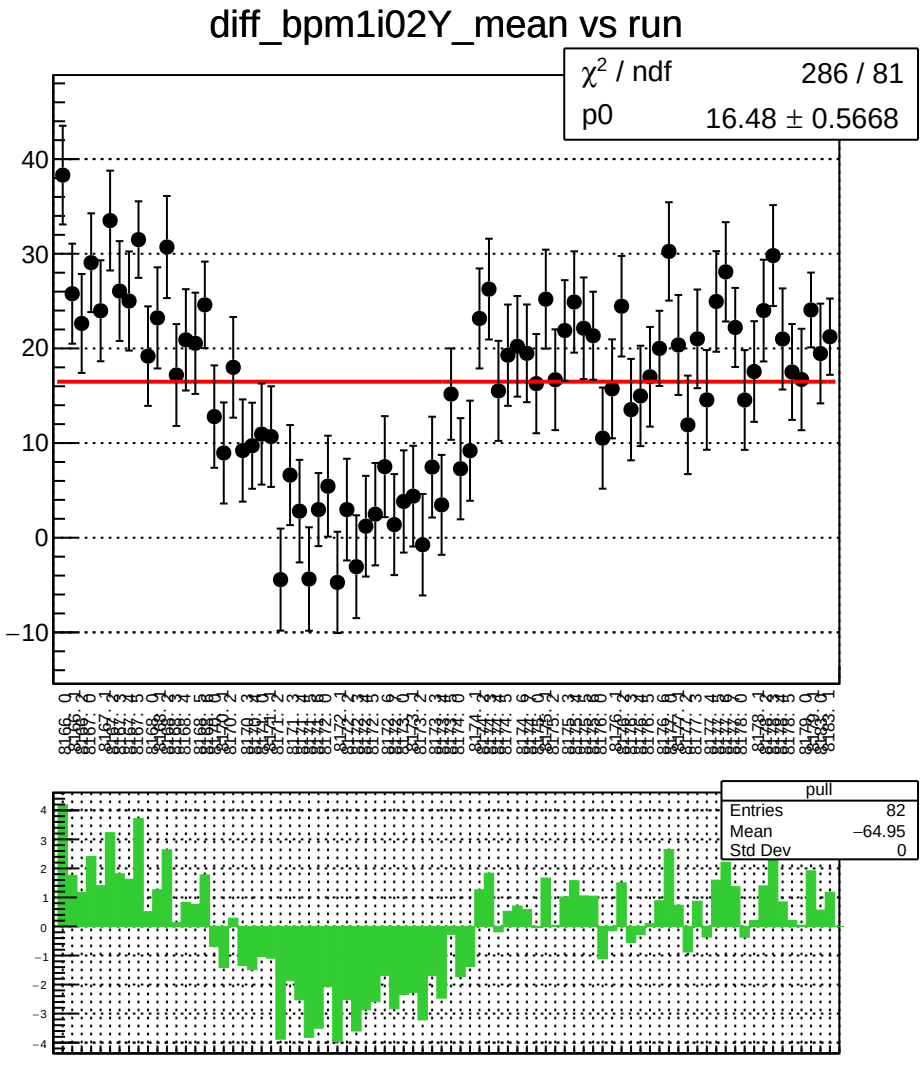

diff_bpm0i07Y_mean vs run
χ² / ndf 80.67 / 81
p0 1.278 ± 3.977
pull
Entries 82
Mean −48.59
Std Dev 0

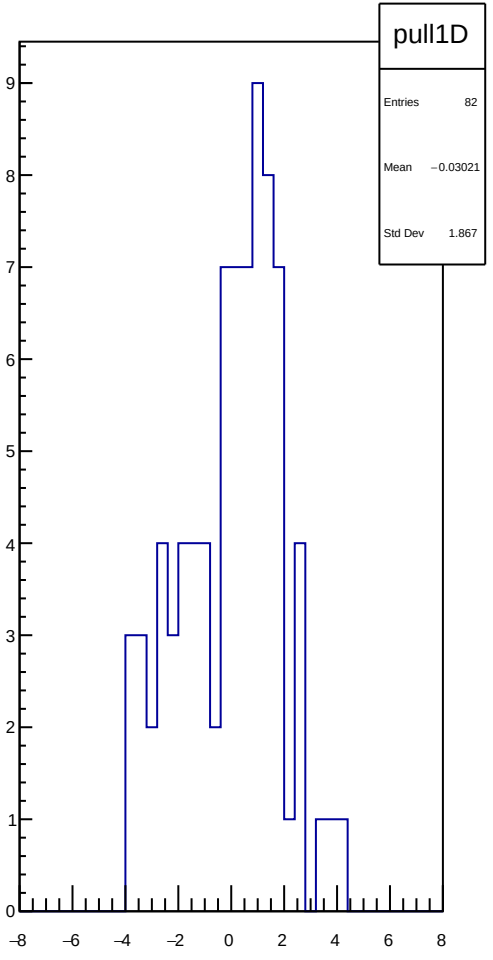

pull1D
Entries 82
Mean −0.01268
Std Dev 0.9918

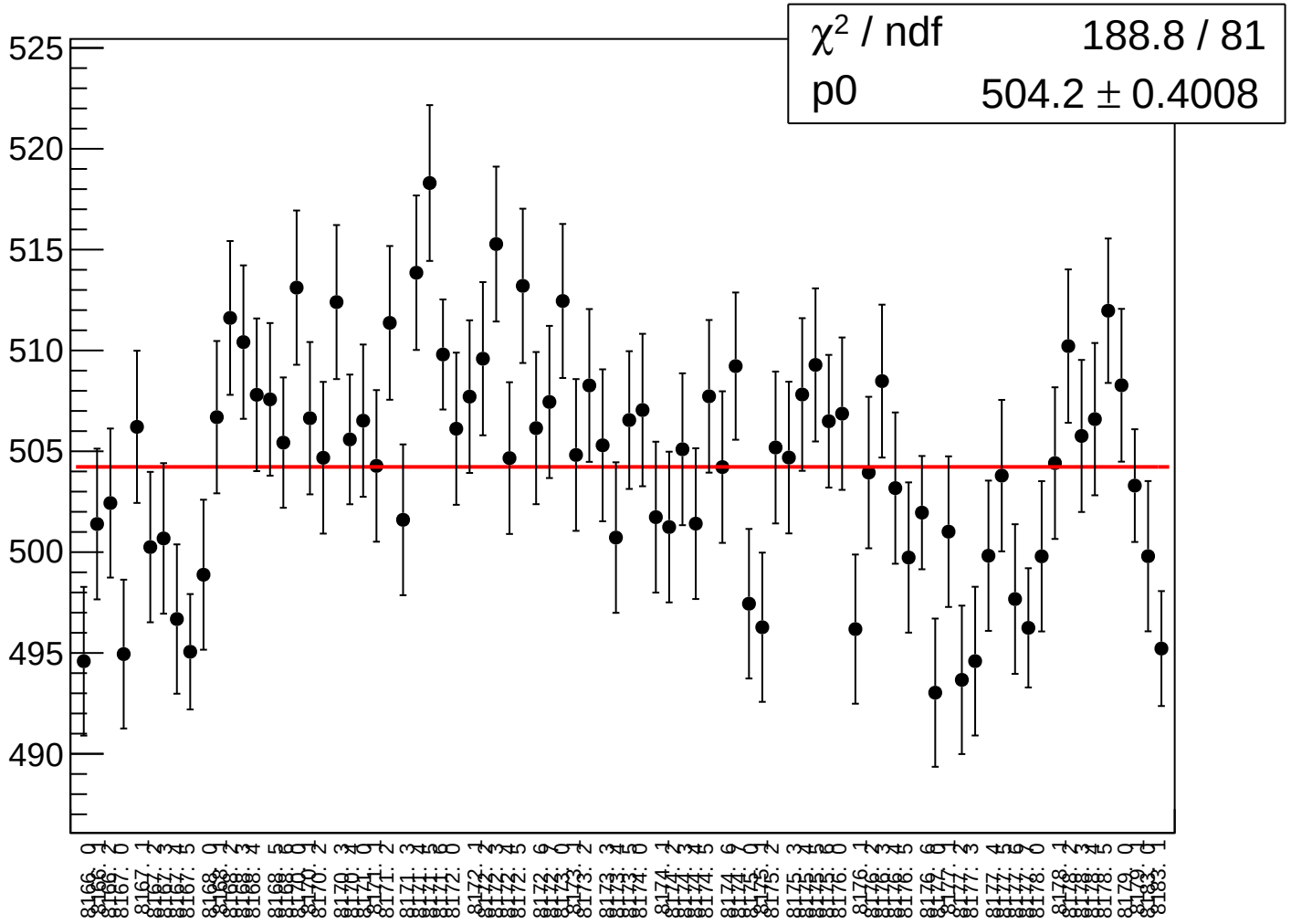

diff_bpm0i07Y_rms vs run
χ² / ndf 4.518e+05 / 81
p0 2991 ± 2.812
5000
4500
4000
3500
3000
2500
2000
1500
1000
500

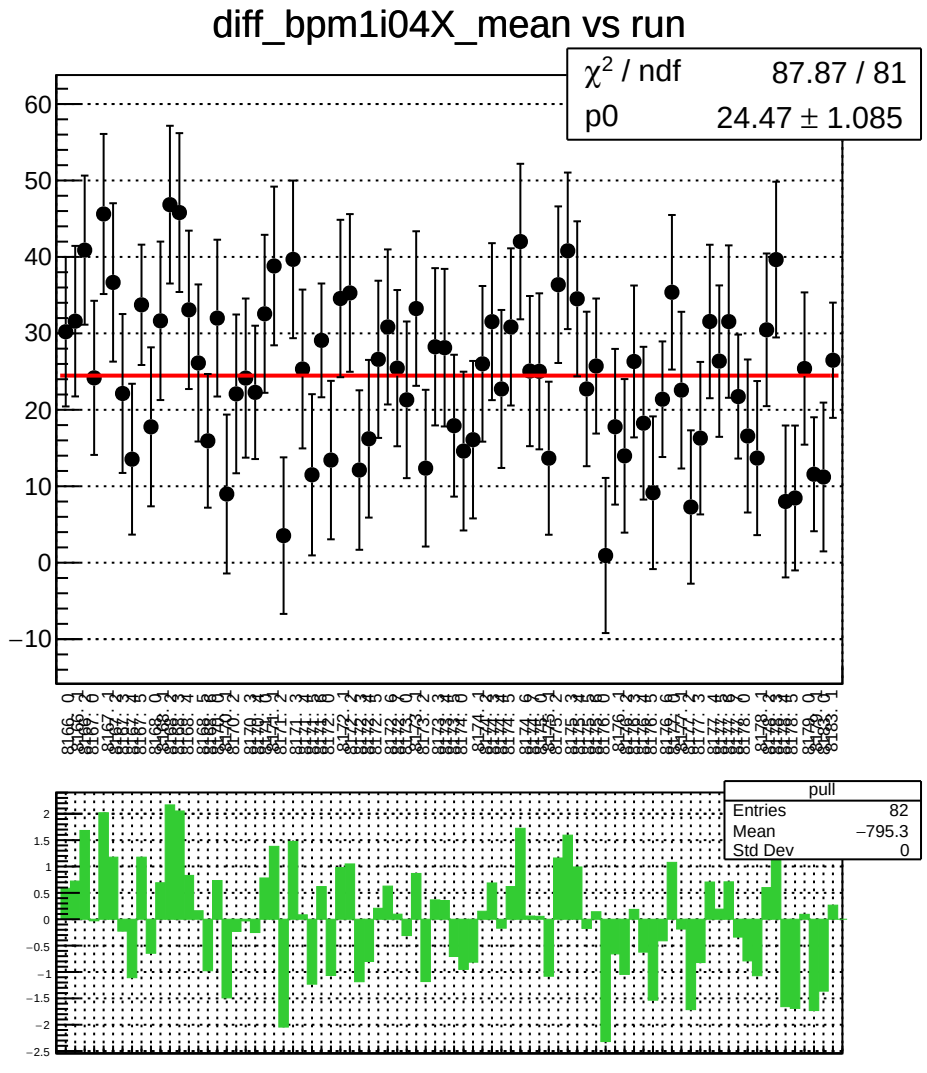

diff_bpm1i02X_mean vs run
χ² / ndf 128 / 81
p0 −38.27 ± 0.7118
pull
Entries 82
Mean −288.8
Std Dev 0
pull1D
Entries 82
Mean −0.02358
Std Dev 1.249

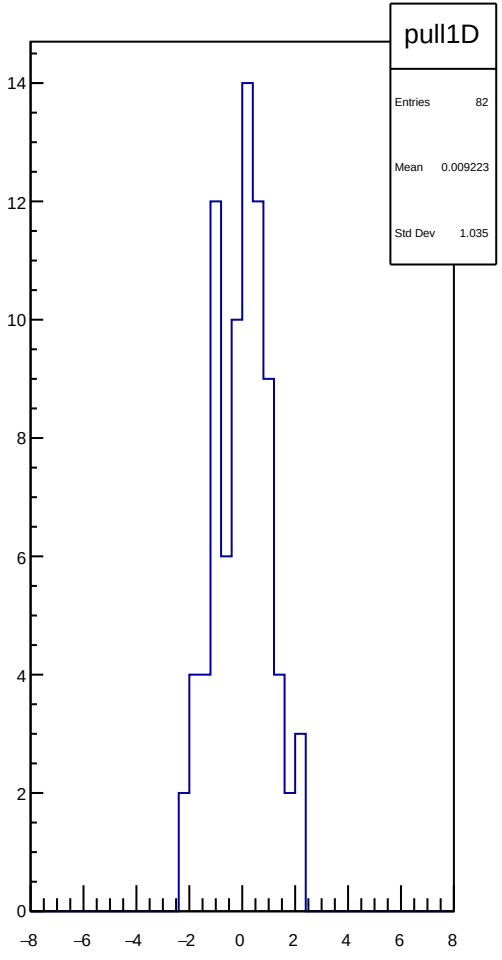

diff_bpm1i02X_rms vs run
χ² / ndf 402 / 81
p0 633.2 ± 0.5033
660
650
640
630
620
610

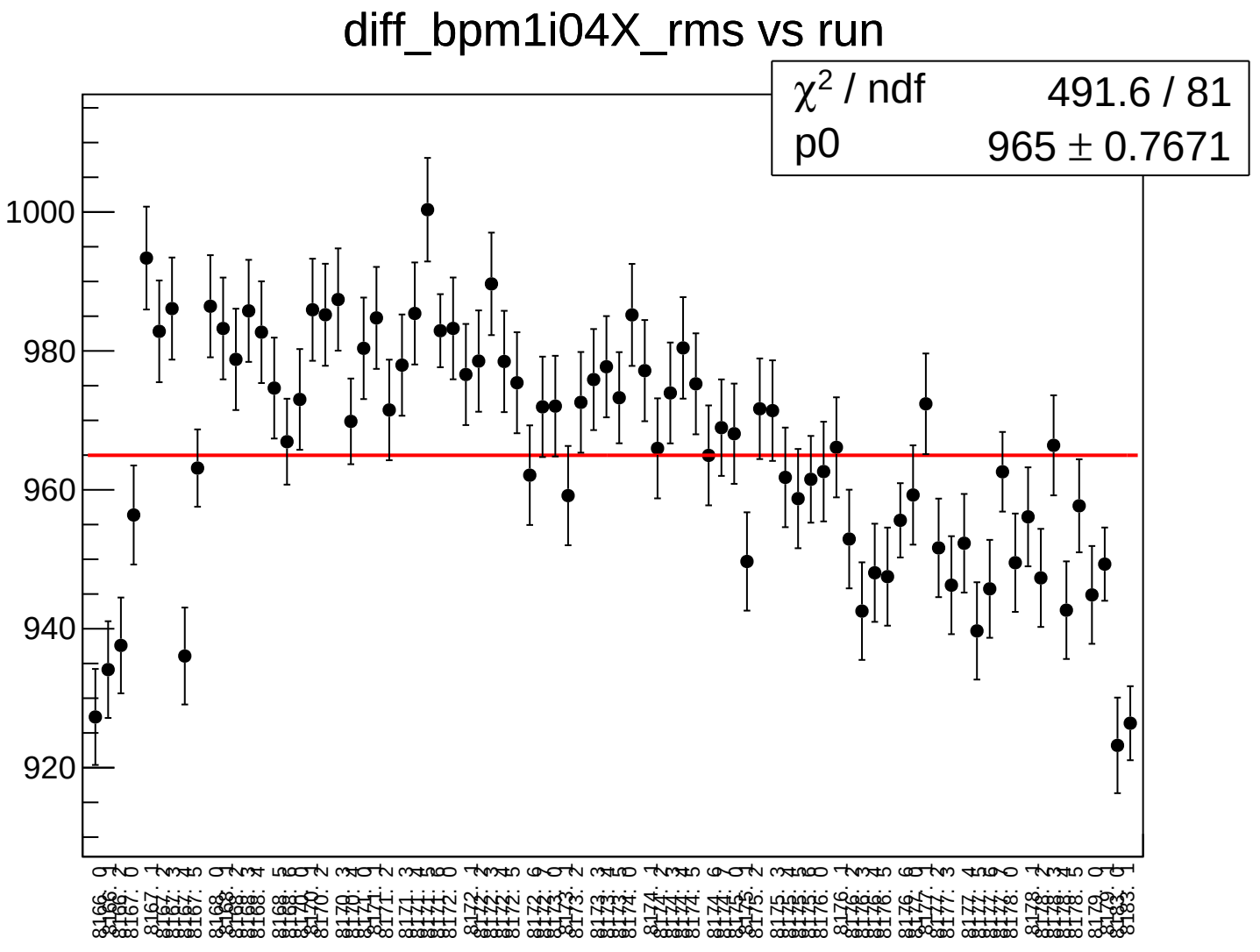

diff_bpm1i02Y_mean vs run
χ² / ndf 286 / 81
p0 16.48 ± 0.5668
pull
Entries 82
Mean −64.95
Std Dev 0

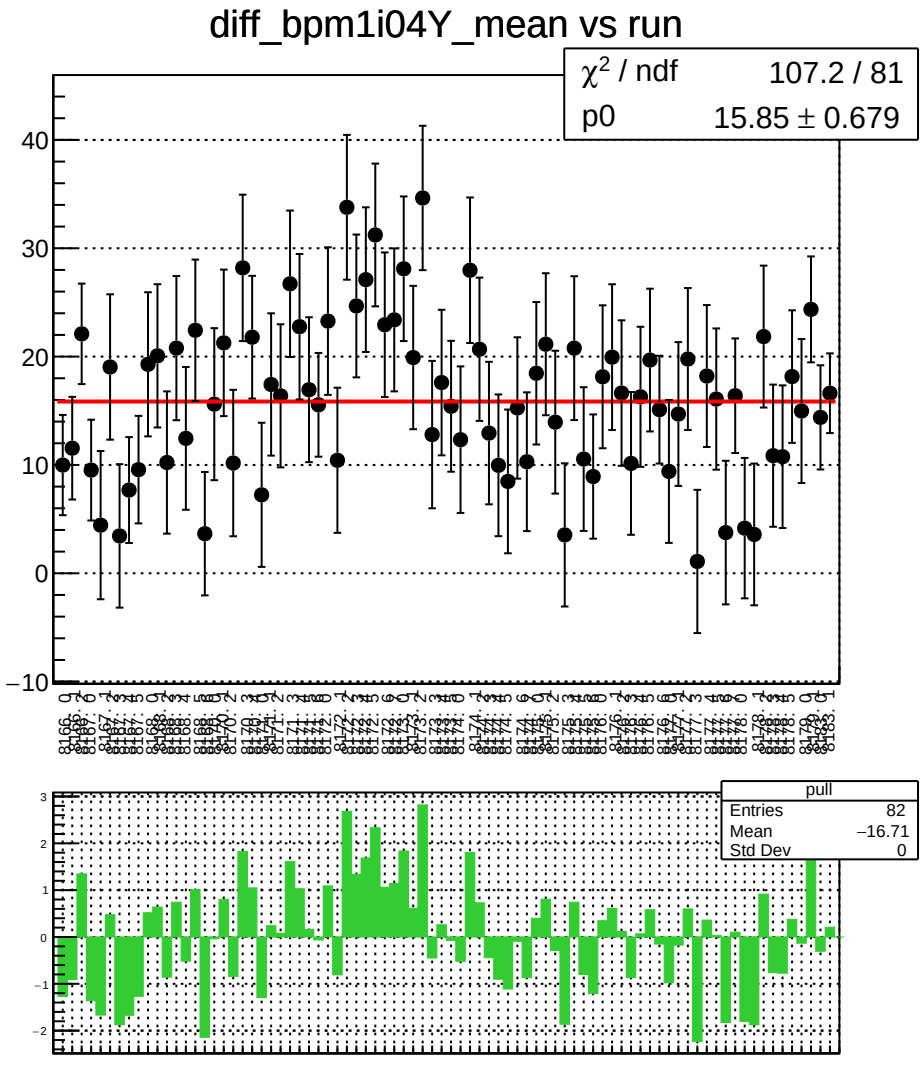

pull1D
Entries 82
Mean −0.03021
Std Dev 1.867

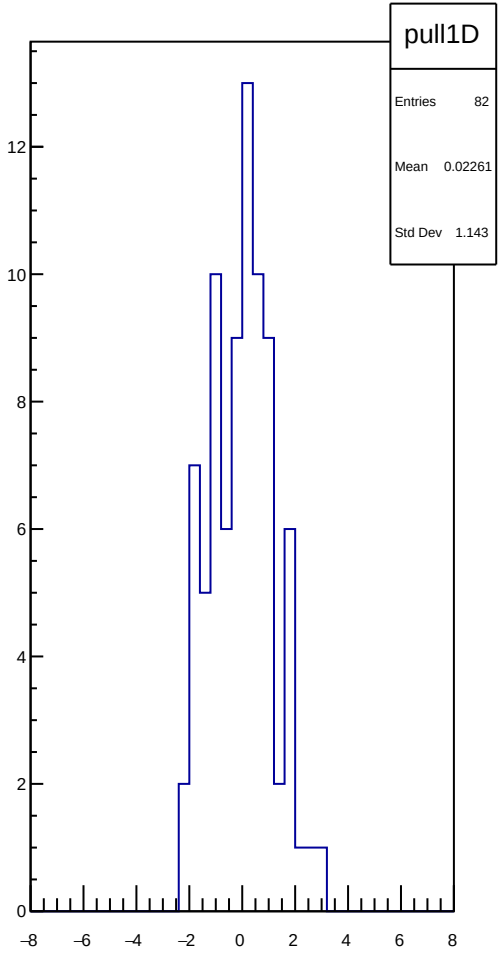

diff_bpm1i02Y_rms vs run
χ² / ndf 188.8 / 81
p0 504.2 ± 0.4008
525
520
515
510
505
500
495
490

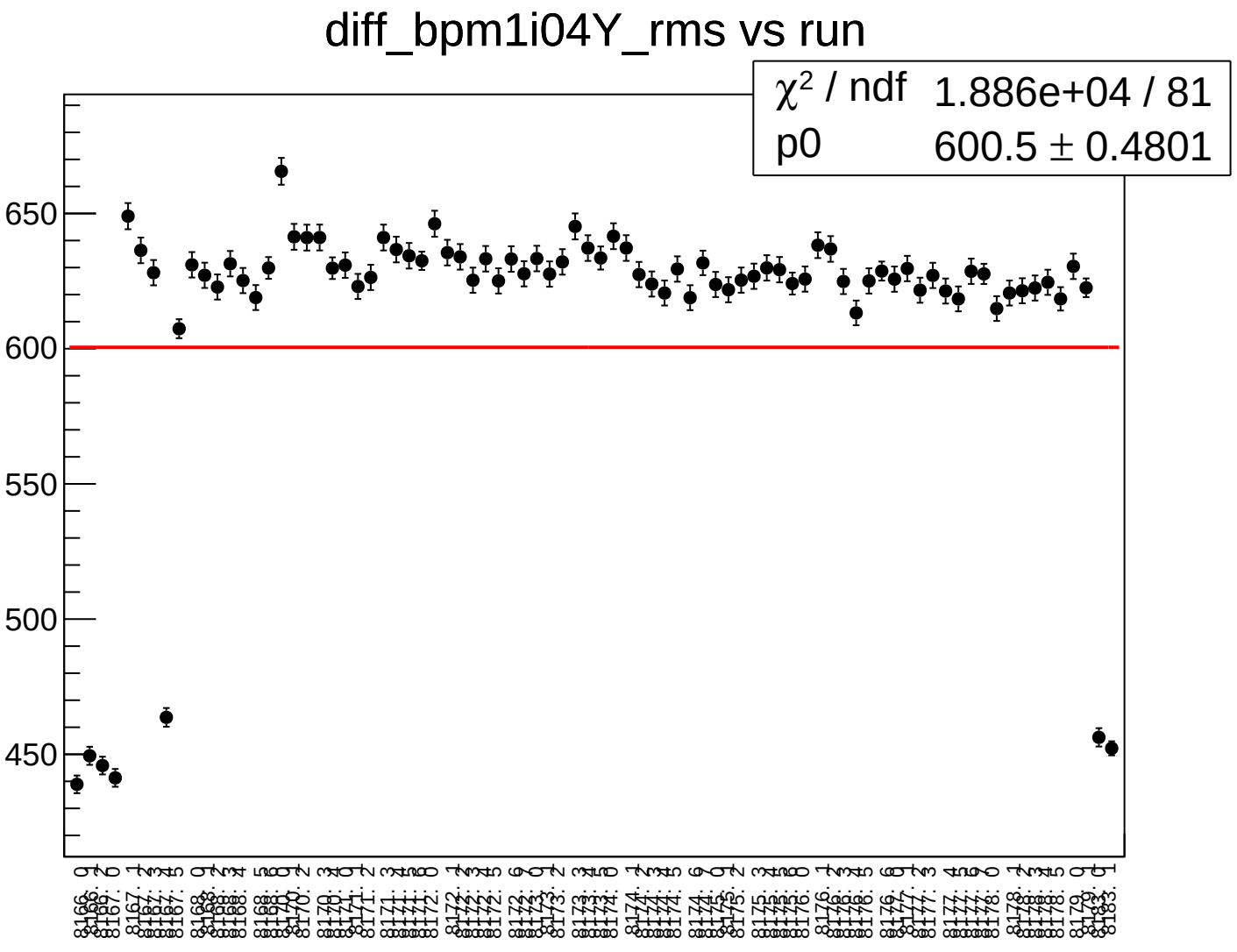

diff_bpm1i04X_mean vs run
χ^2 / ndf 87.87 / 81
p0 24.47 ± 1.085
pull
Entries 82
Mean −795.3
Std Dev 0

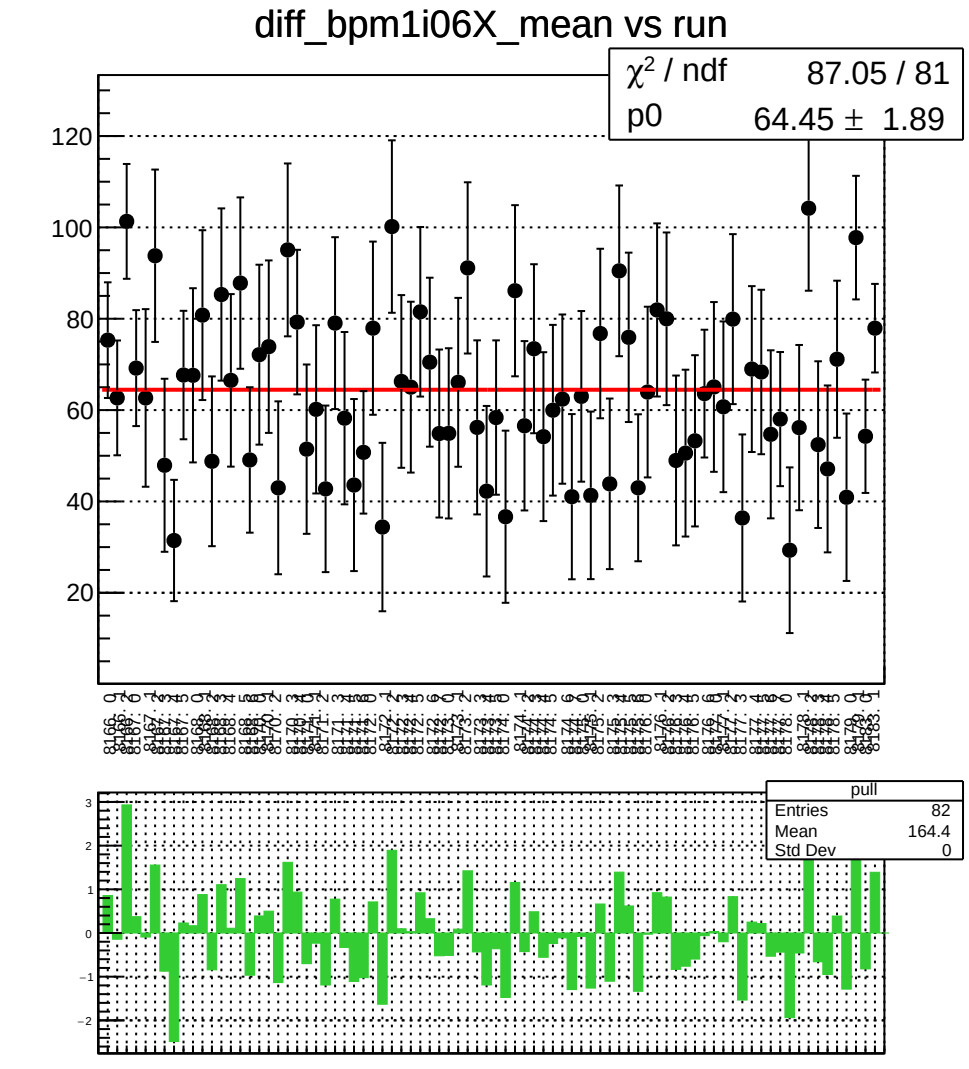

pull1D
Entries 82
Mean 0.009223
Std Dev 1.035

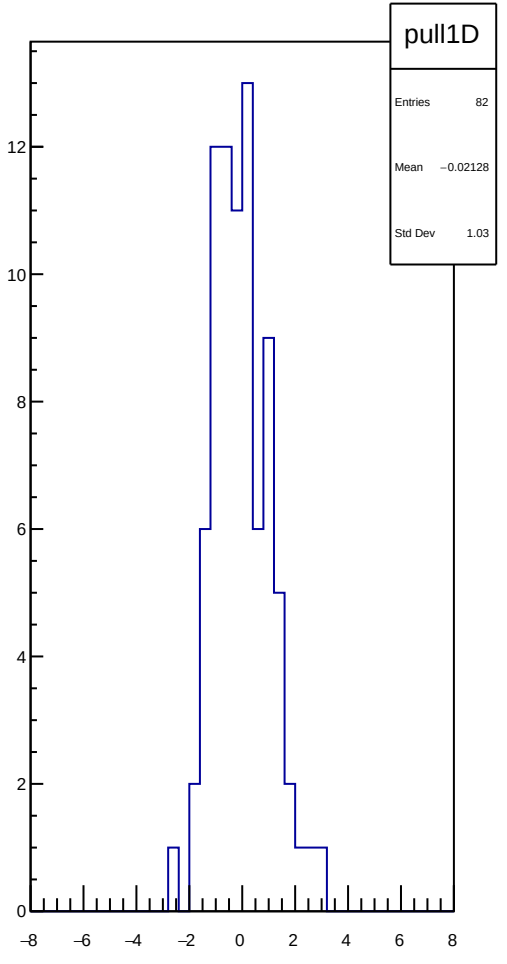

diff_bpm1i04X_rms vs run
χ² / ndf 491.6 / 81
p0 965 ± 0.7671
1000
980
960
940
920

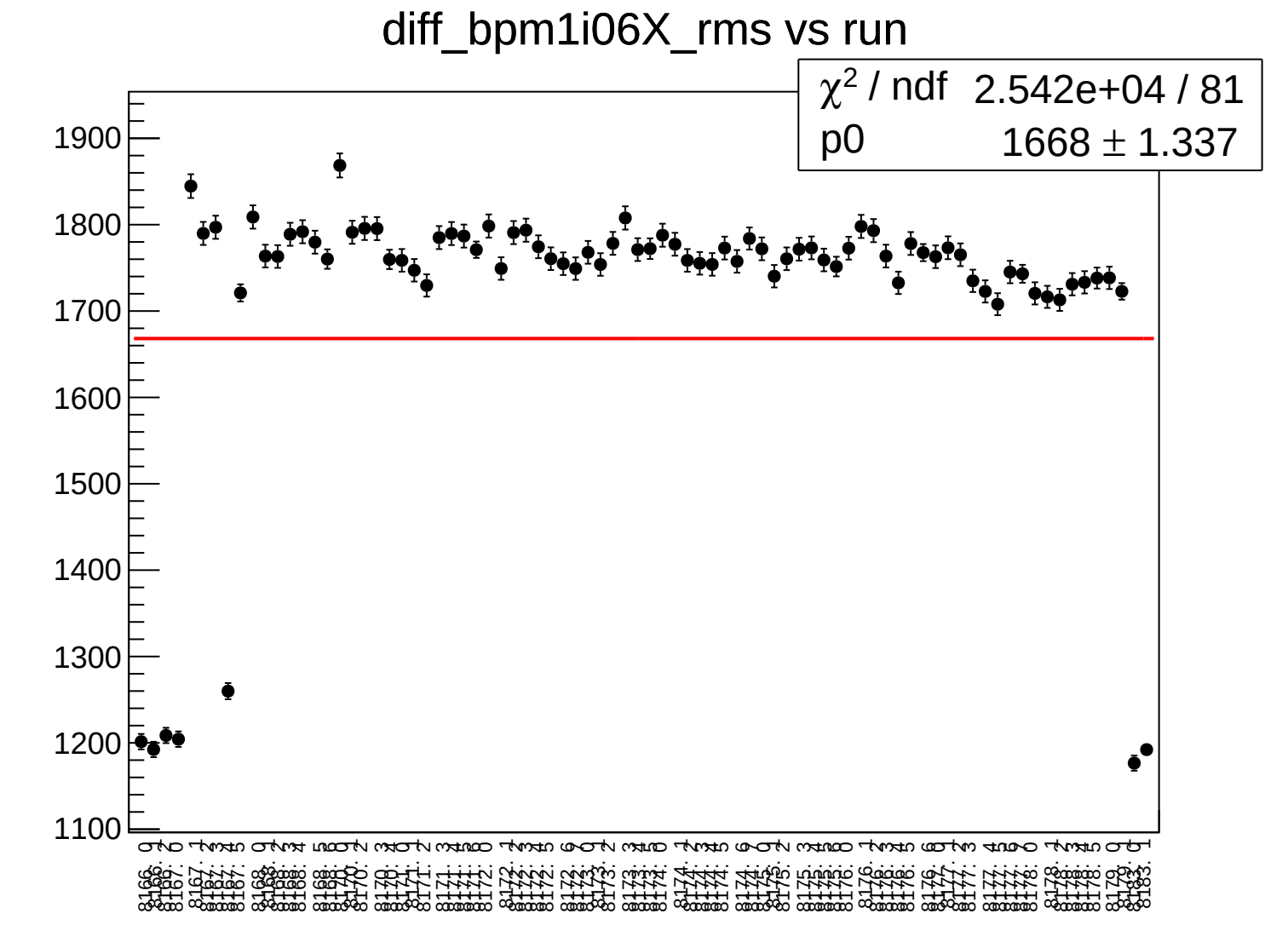

diff_bpm1i04Y_mean vs run
χ² / ndf 107.2 / 81
p0 15.85 ± 0.679
pull
Entries 82
Mean −16.71
Std Dev 0

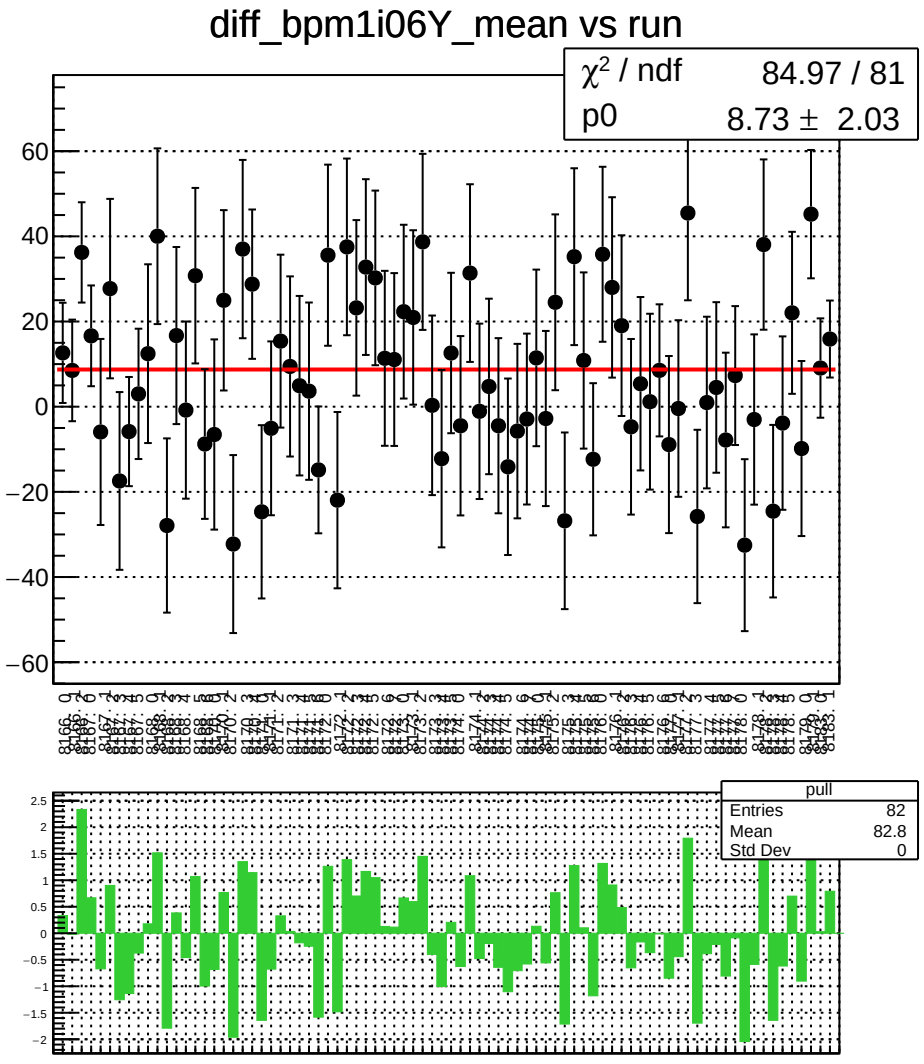

pull1D
Entries 82
Mean 0.02261
Std Dev 1.143

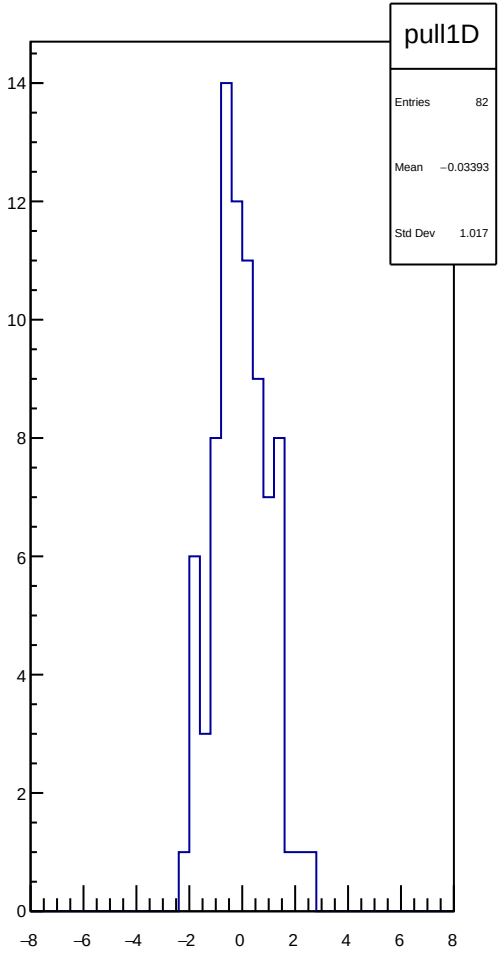

diff_bpm1i04Y_rms vs run
χ² / ndf 1.886e+04 / 81
p0 600.5 ± 0.4801
650
600
550
500
450

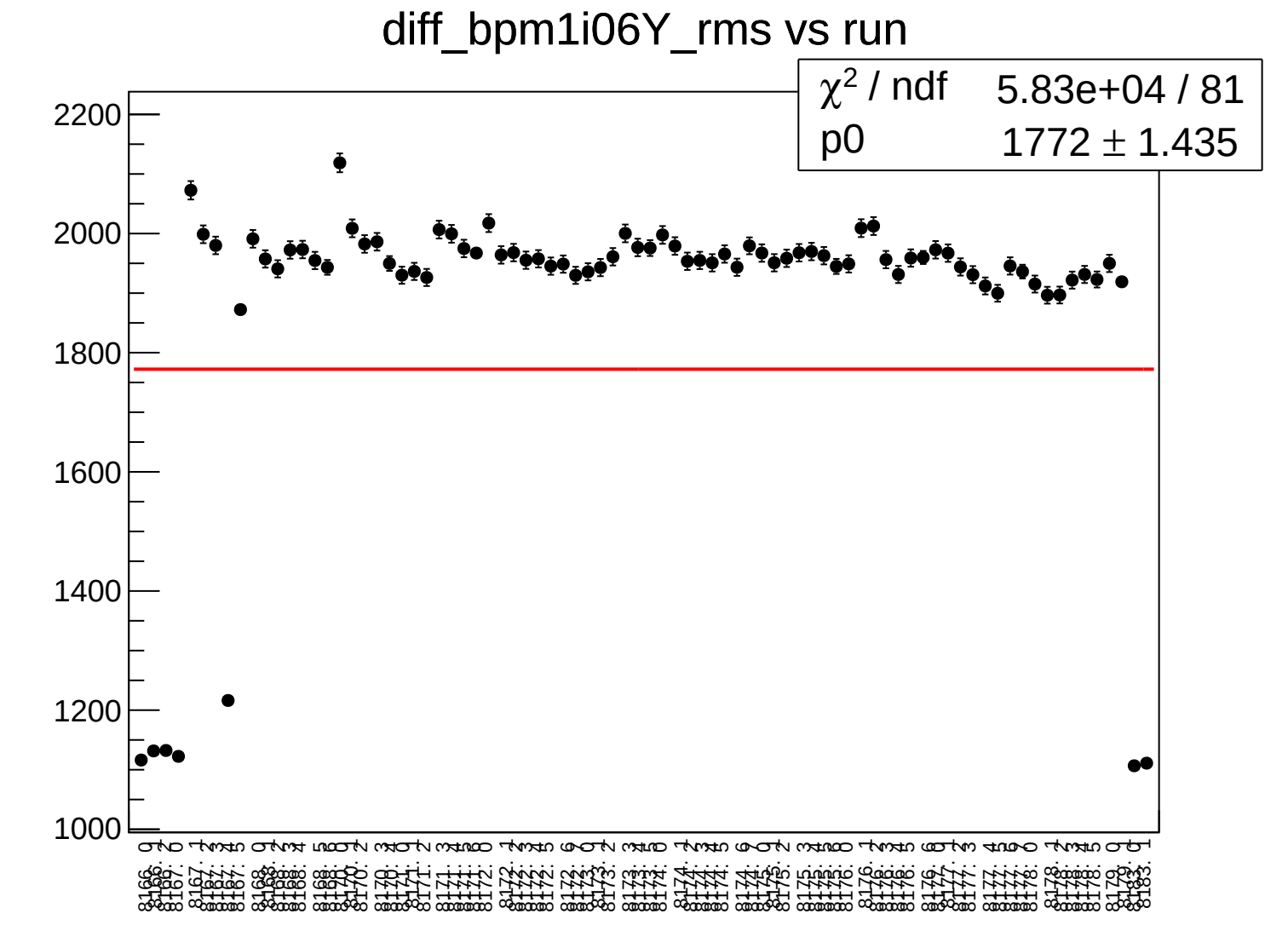

diff_bpm1i06X_mean vs run
χ² / ndf 87.05 / 81
p0 64.45 ± 1.89
120
100
80
60
40
20
pull
Entries 82
Mean 164.4
Std Dev 0
3
2
1
0
−1
−2

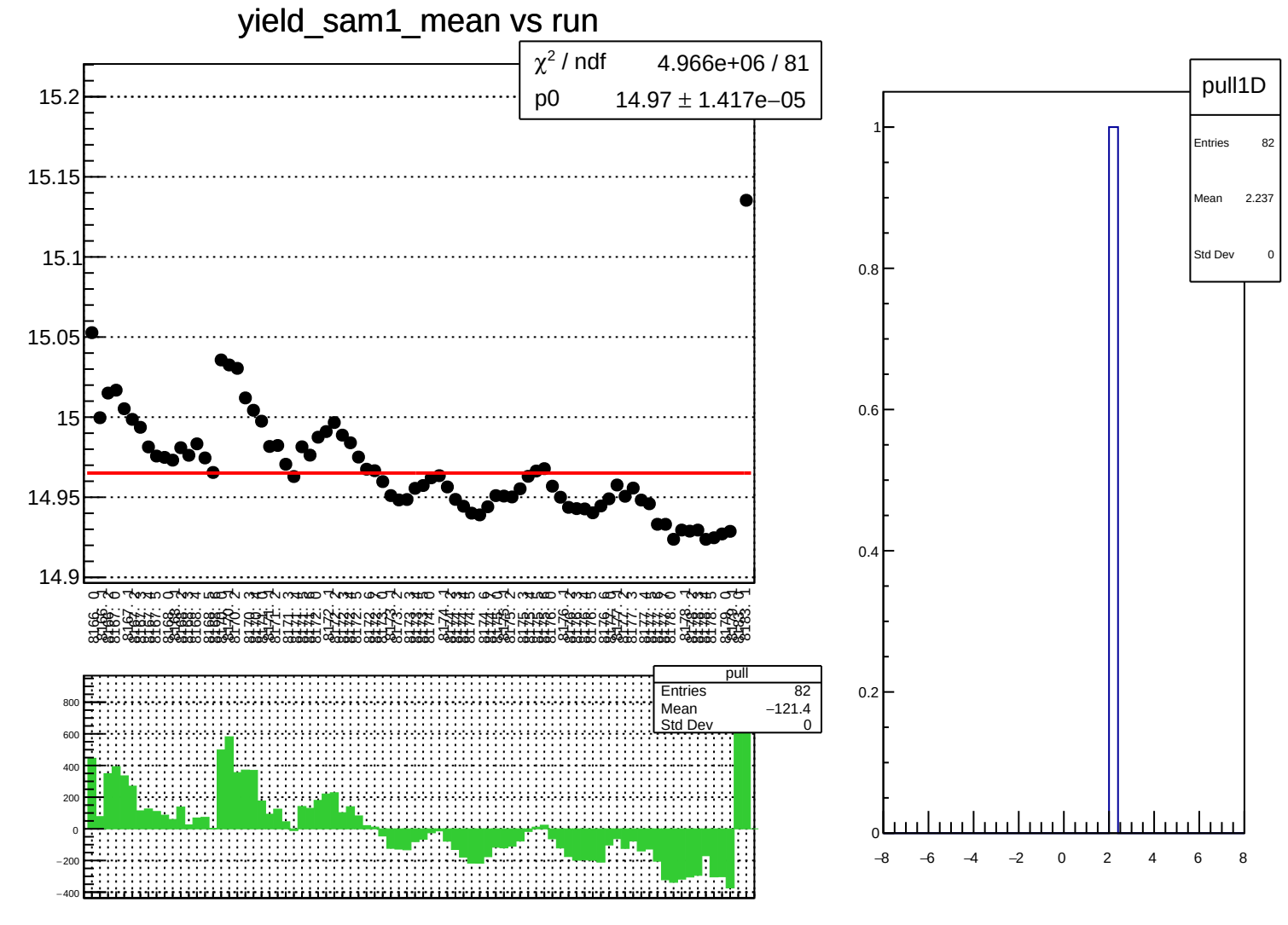

pull1D
Entries 82
Mean −0.02128
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

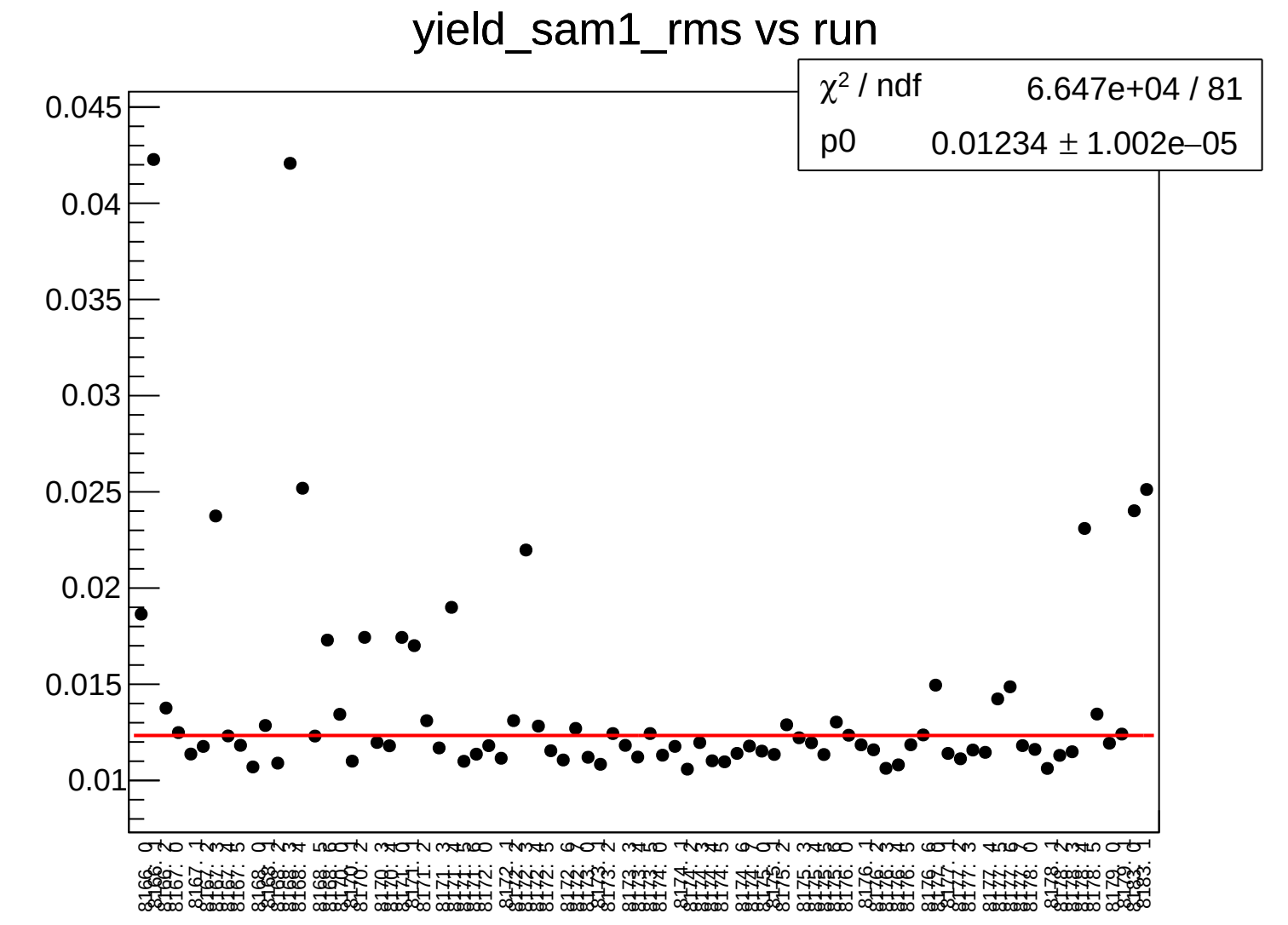

diff_bpm1i06X_rms vs run
χ² / ndf 2.542e+04 / 81
p0 1668 ± 1.337
1900
1800
1700
1600
1500
1400
1300
1200
1100

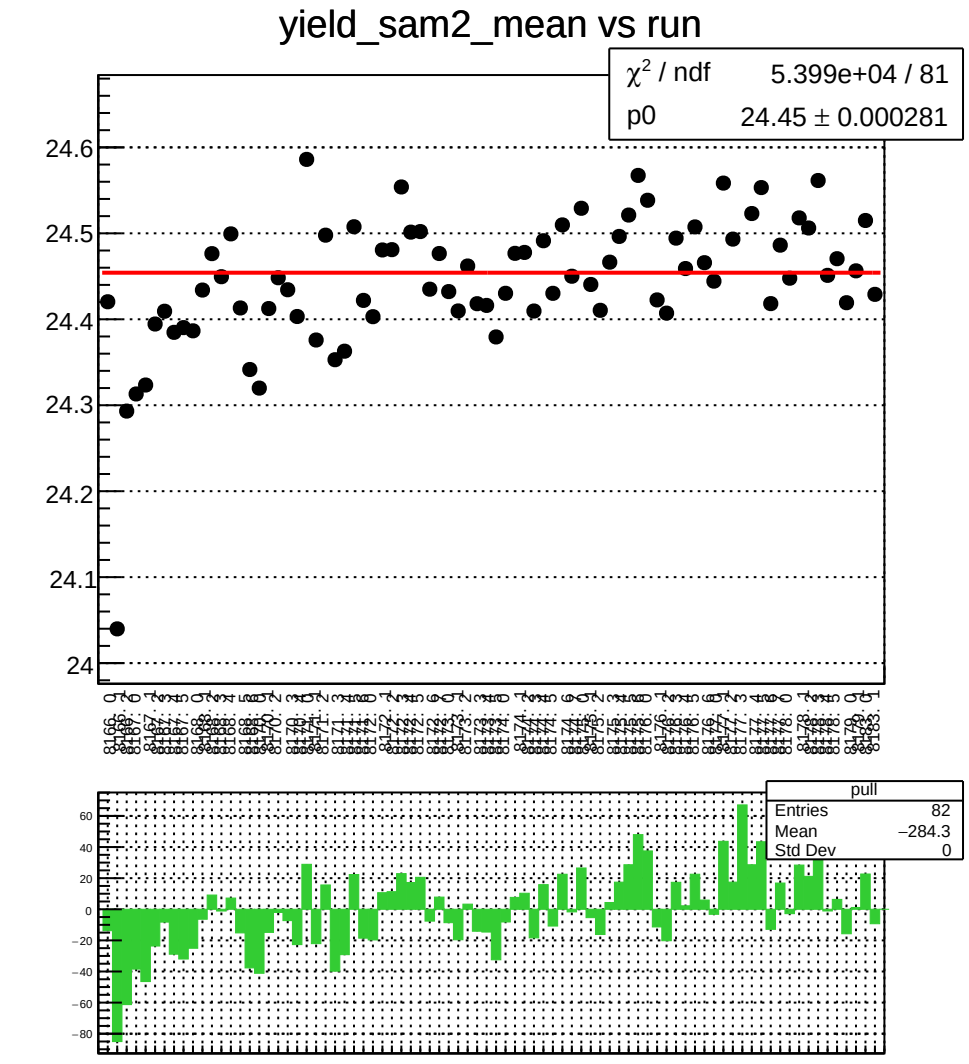

diff_bpm1i06Y_mean vs run
χ² / ndf 84.97 / 81
p0 8.73 ± 2.03
pull
Entries 82
Mean 82.8
Std Dev 0

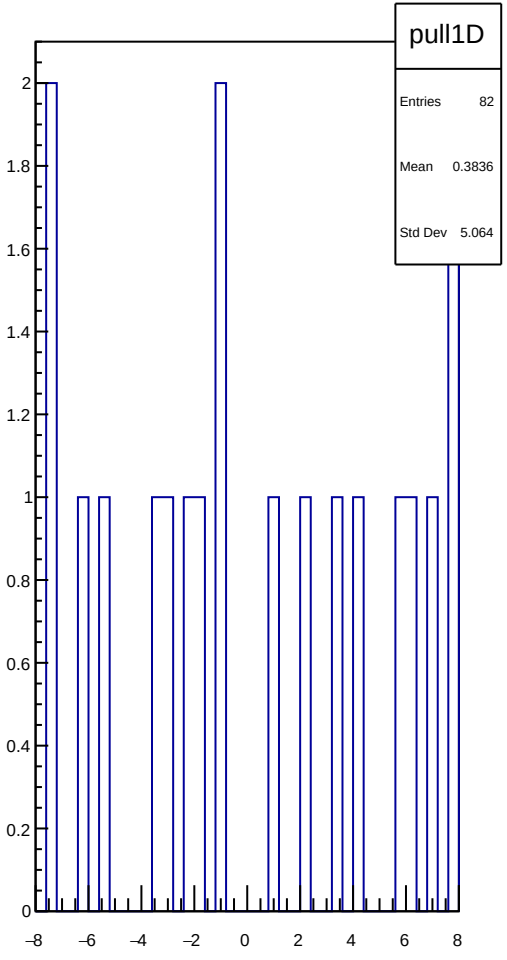

pull1D
Entries 82
Mean −0.03393
Std Dev 1.017

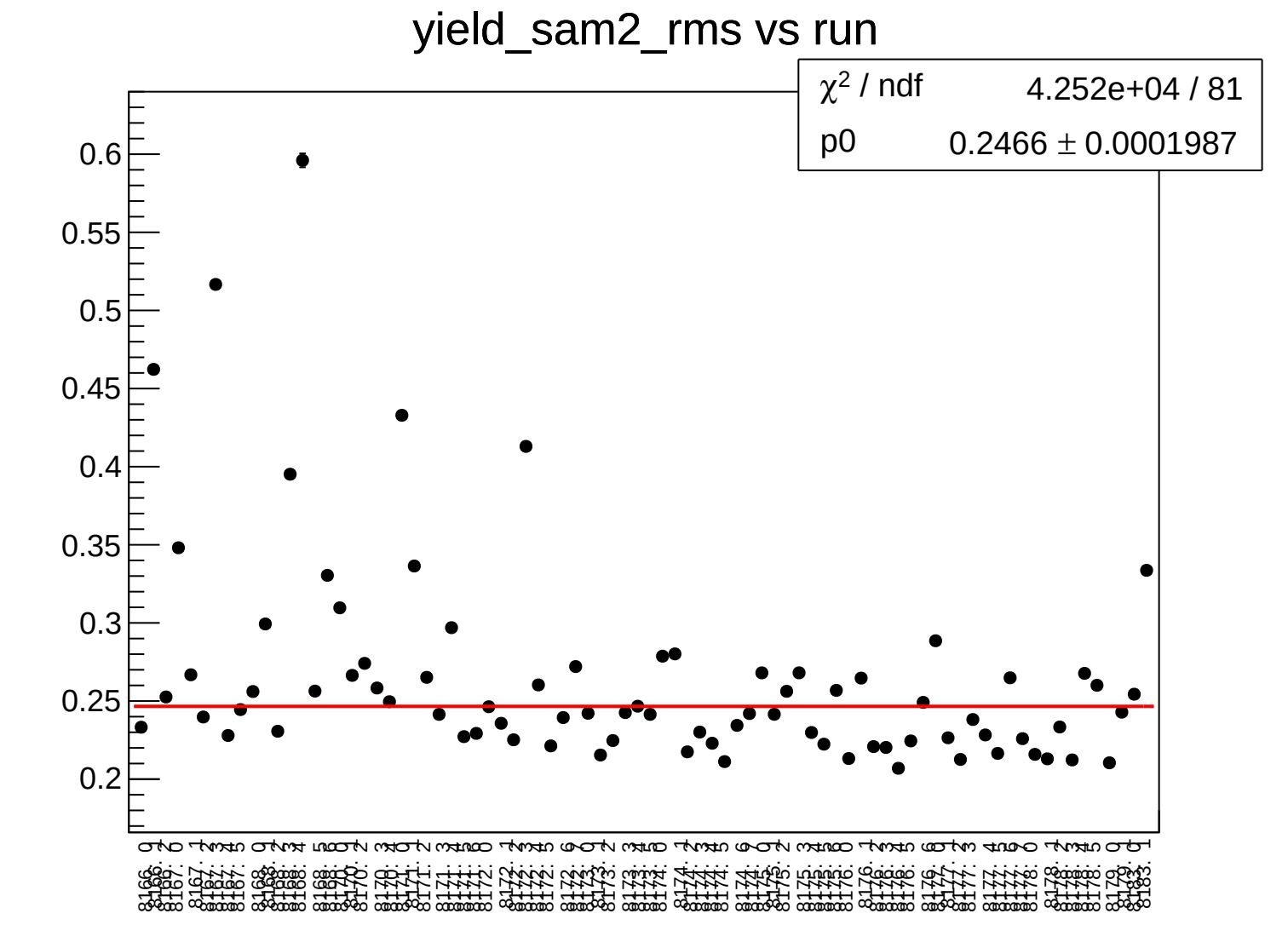

diff_bpm1i06Y_rms vs run
χ^2 / ndf 5.83e+04 / 81
p0 1772 ± 1.435
2200
2000
1800
1600
1400
1200
1000

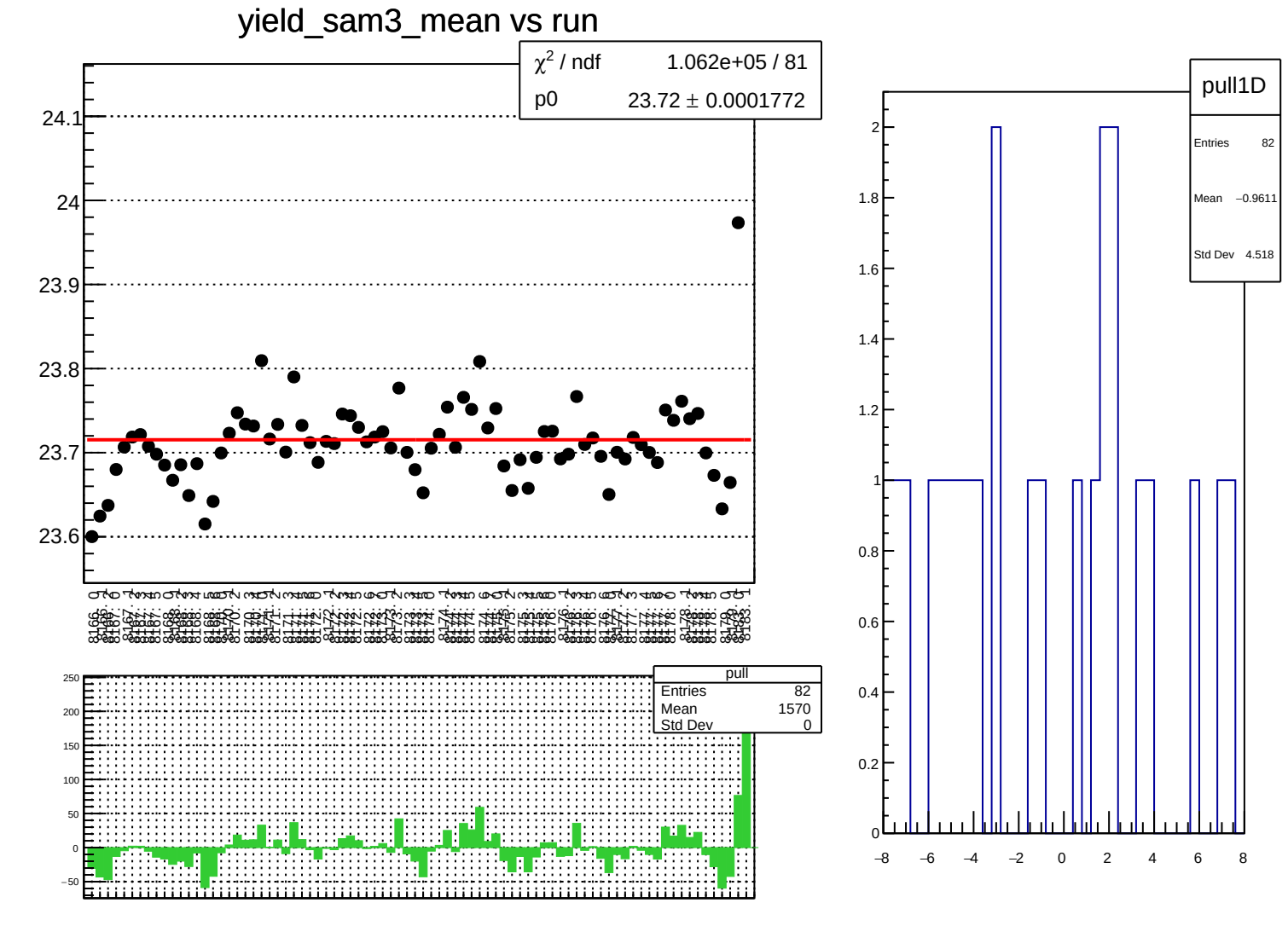

yield_sam1_mean vs run
χ² / ndf 4.966e+06 / 81
p0 14.97 ± 1.417e−05
15.2
15.15
15.1
15.05
15
14.95
14.9
pull
Entries 82
Mean −121.4
Std Dev 0
800
600
400
200
0
−200
−400
pull1D
Entries 82
Mean 2.237
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

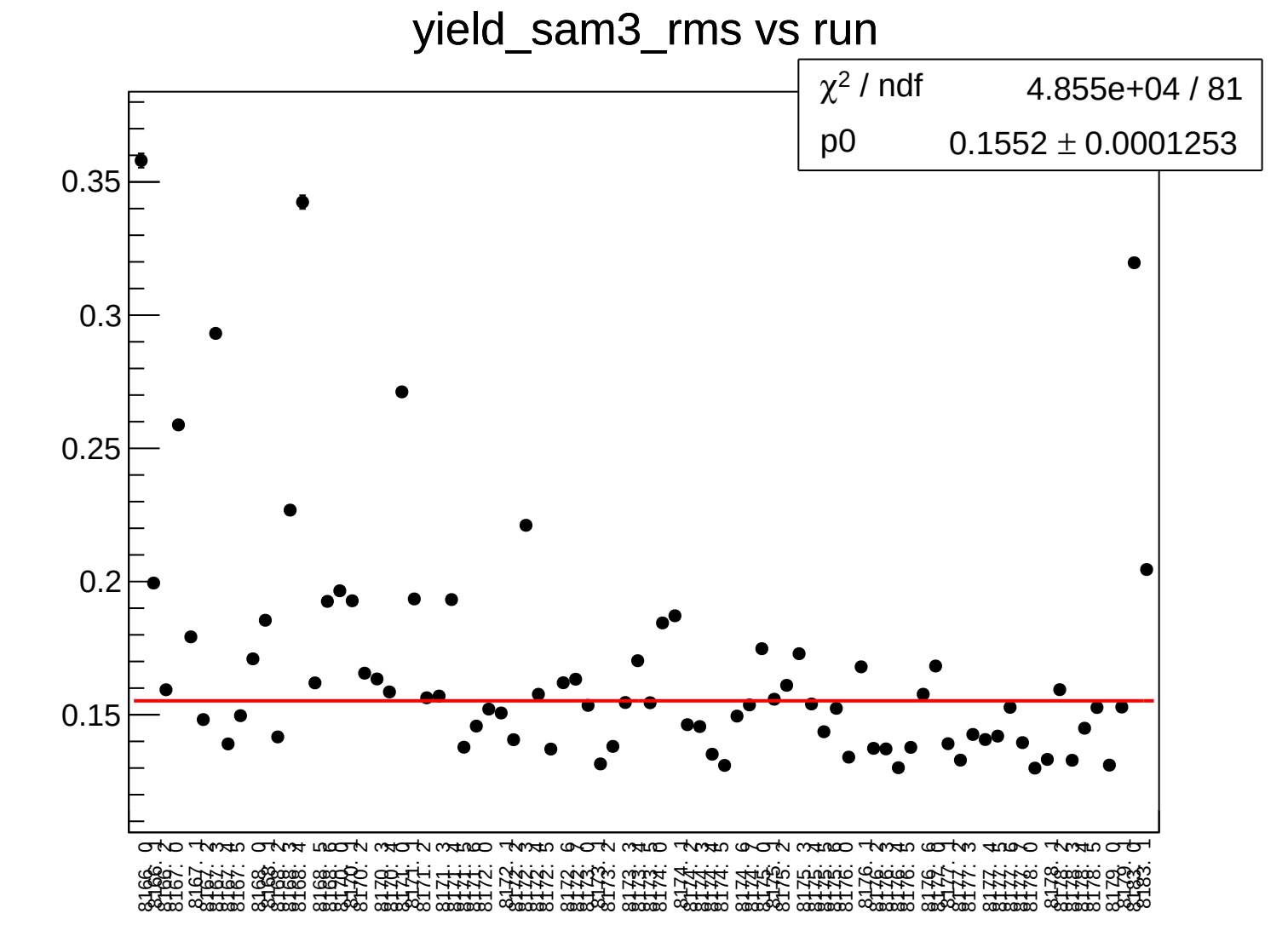

yield_sam1_rms vs run
χ² / ndf 6.647e+04 / 81
p0 0.01234 ± 1.002e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

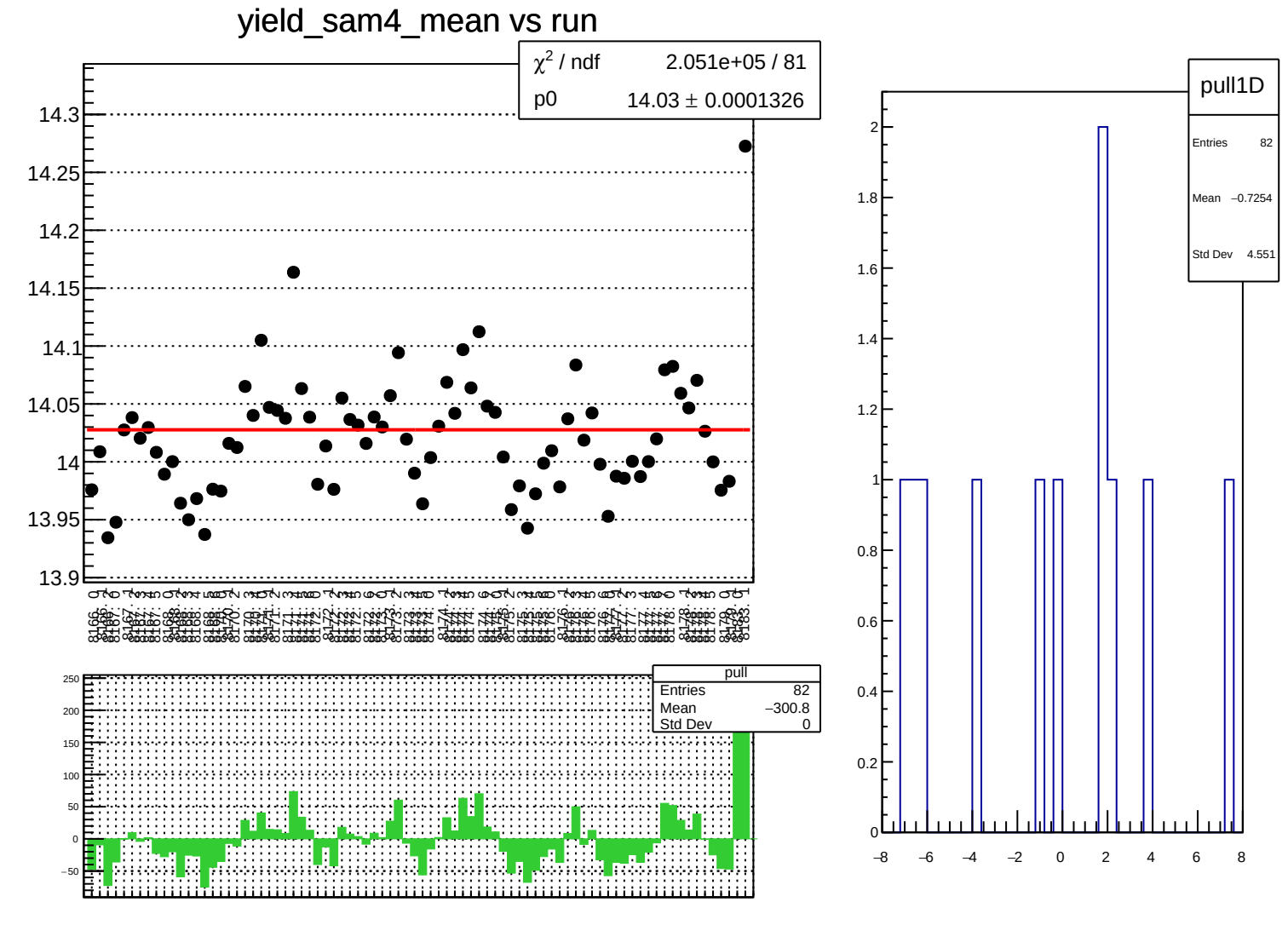

yield_sam2_mean vs run
χ² / ndf 5.399e+04 / 81
p0 24.45 ± 0.000281
24.6
24.5
24.4
24.3
24.2
24.1
24
pull
Entries 82
Mean −284.3
Std Dev 0
60
40
20
0
−20
−40
−60
−80

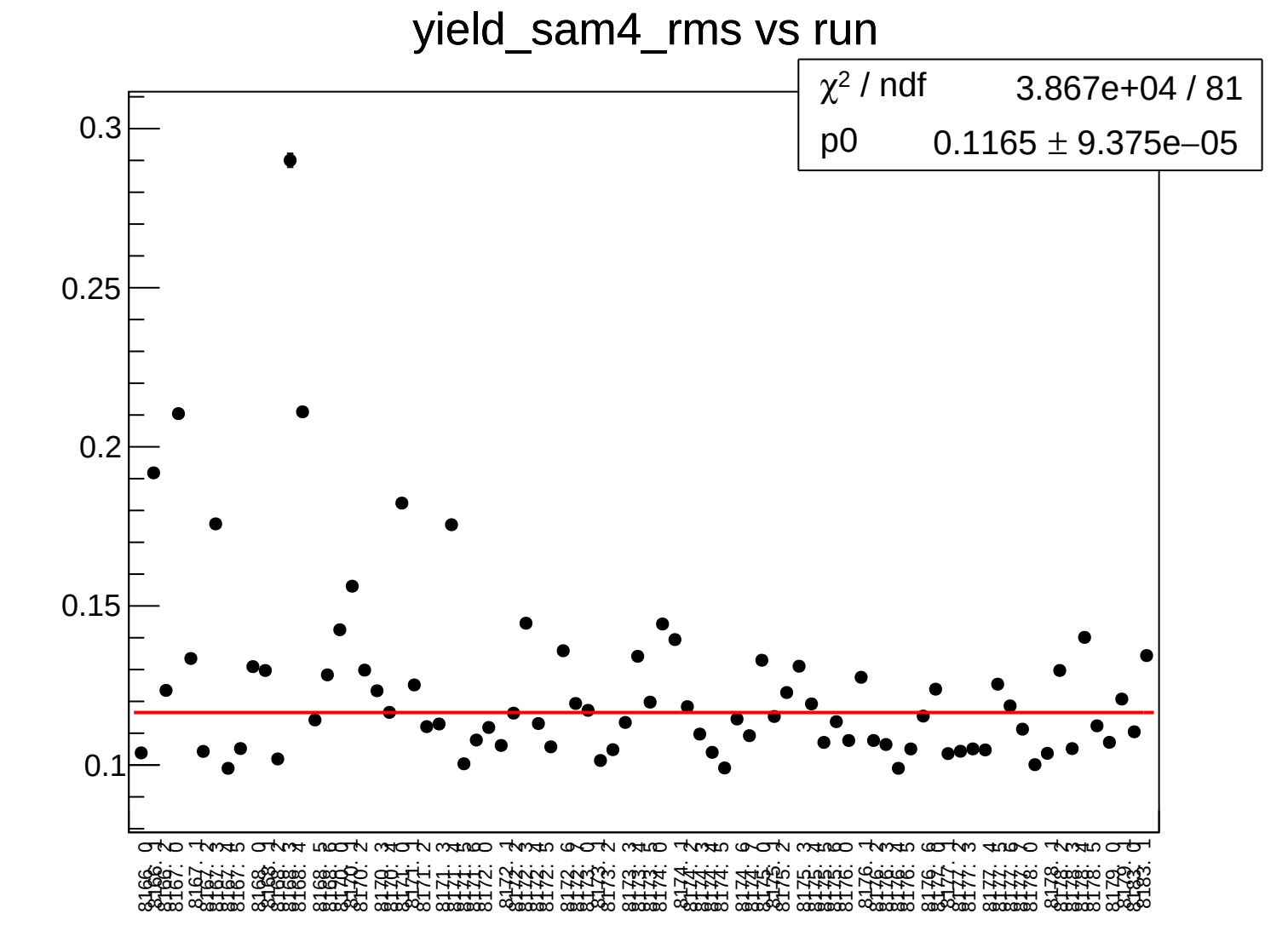

pull1D
Entries 82
Mean 0.3836
Std Dev 5.064
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

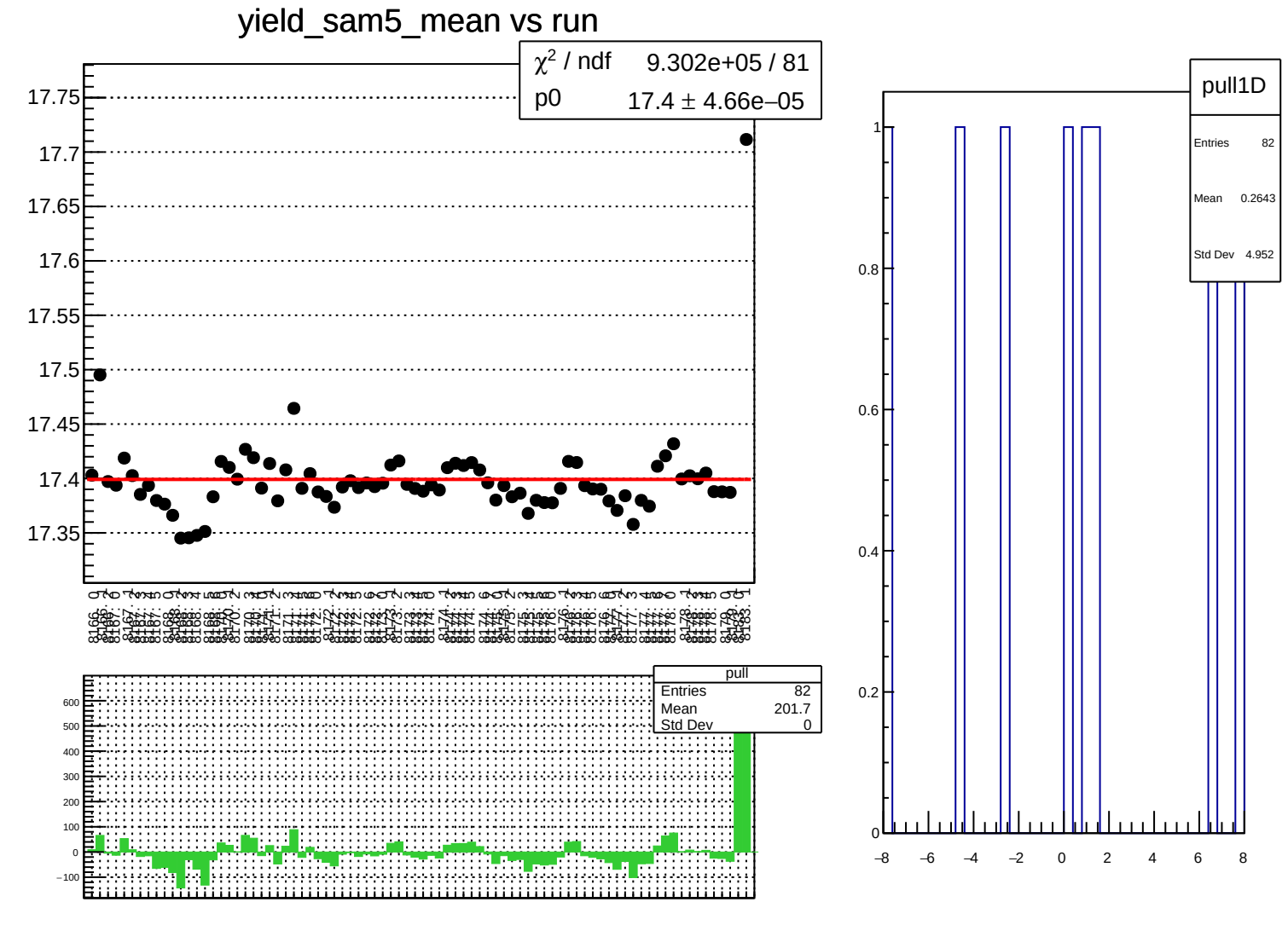

yield_sam2_rms vs run
χ² / ndf 4.252e+04 / 81
p0 0.2466 ± 0.0001987
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2

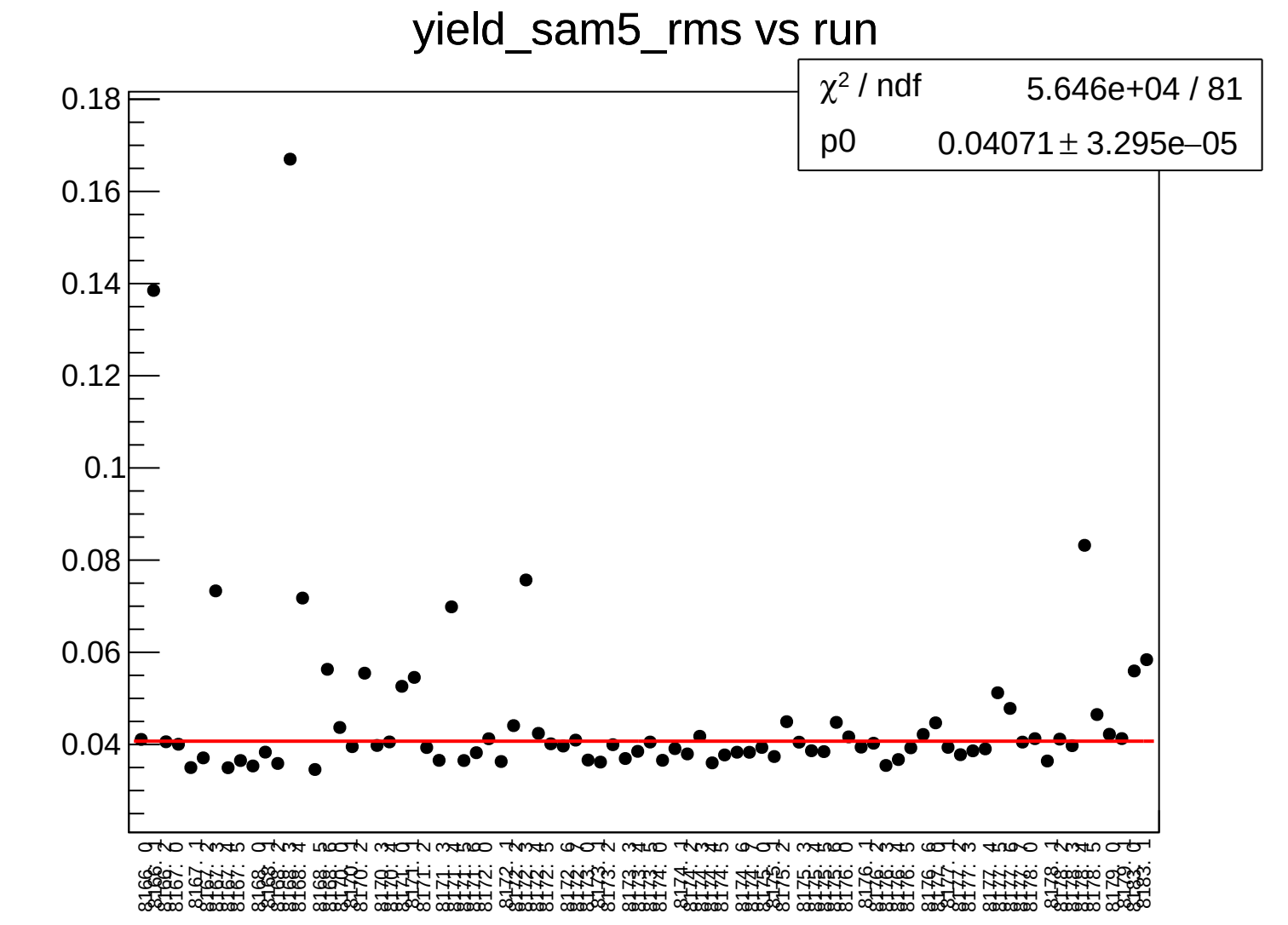

yield_sam3_mean vs run
χ² / ndf 1.062e+05 / 81
p0 23.72 ± 0.0001772
24.1
24
23.9
23.8
23.7
23.6
pull
Entries 82
Mean 1570
Std Dev 0
250
200
150
100
50
0
−50
pull1D
Entries 82
Mean −0.9611
Std Dev 4.518
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

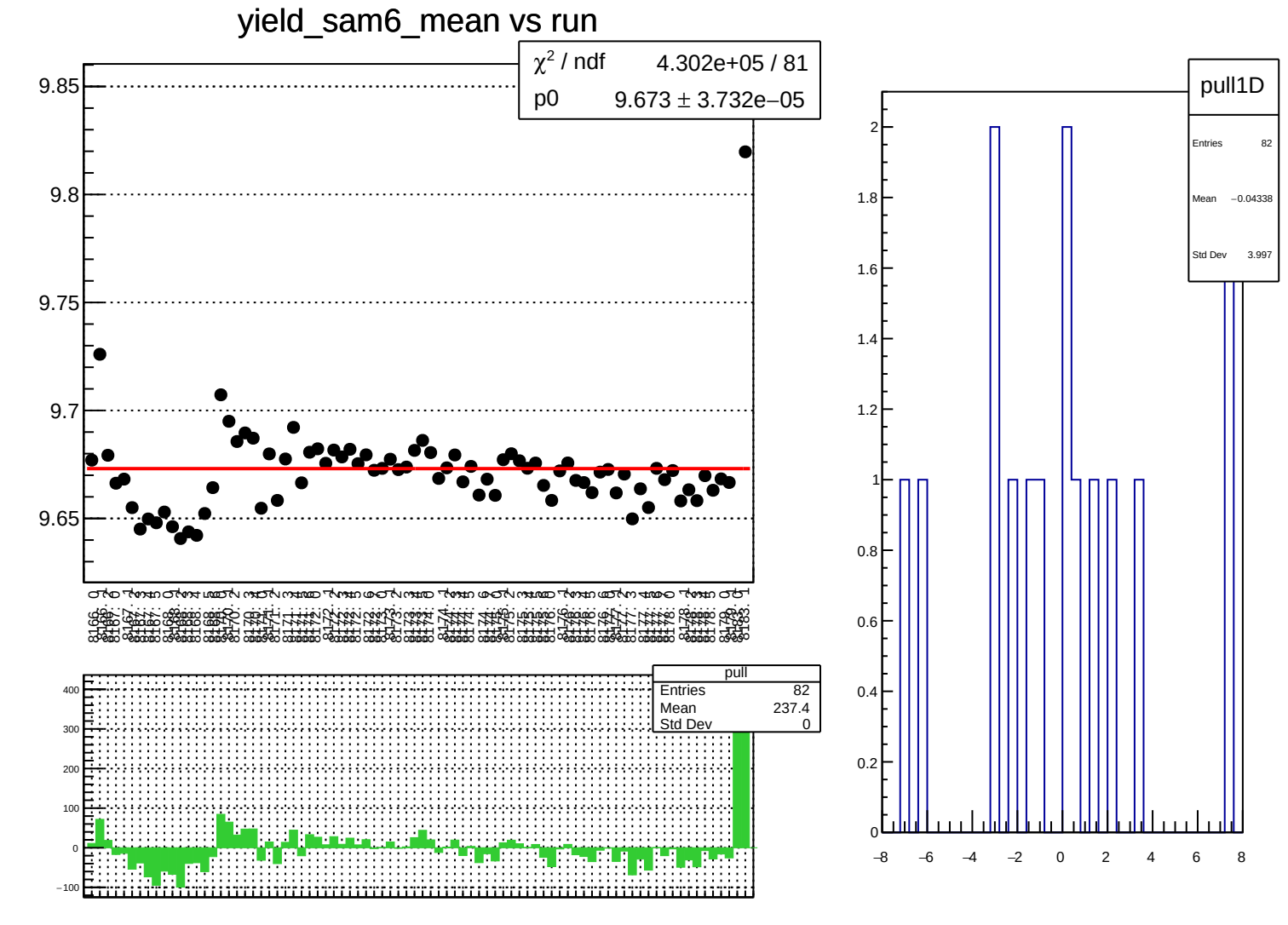

yield_sam3_rms vs run
χ² / ndf 4.855e+04 / 81
p0 0.1552 ± 0.0001253
0.35
0.3
0.25
0.2
0.15

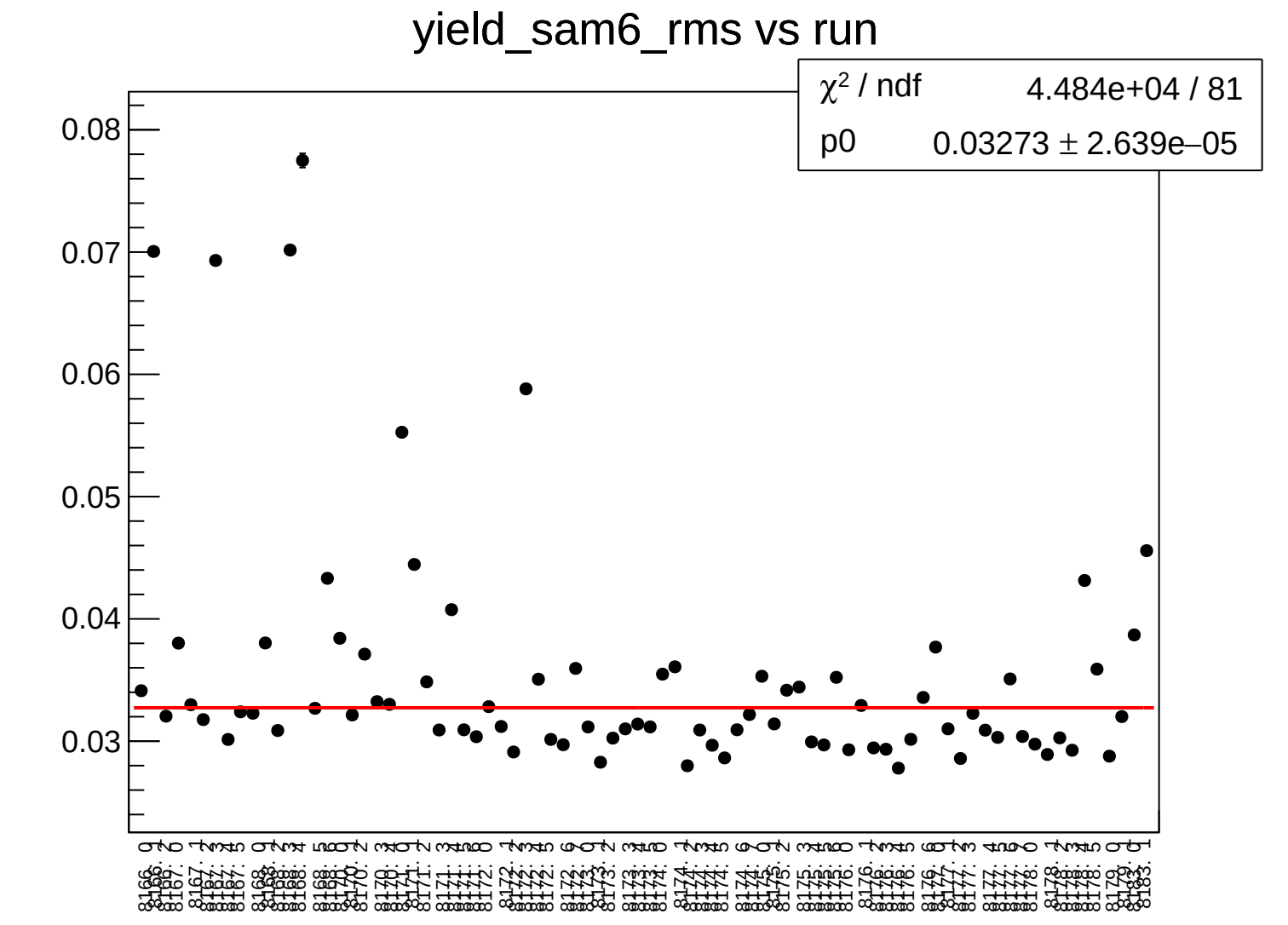

yield_sam4_mean vs run
χ² / ndf 2.051e+05 / 81
p0 14.03 ± 0.0001326
pull
Entries 82
Mean −300.8
Std Dev 0
pull1D
Entries 82
Mean −0.7254
Std Dev 4.551

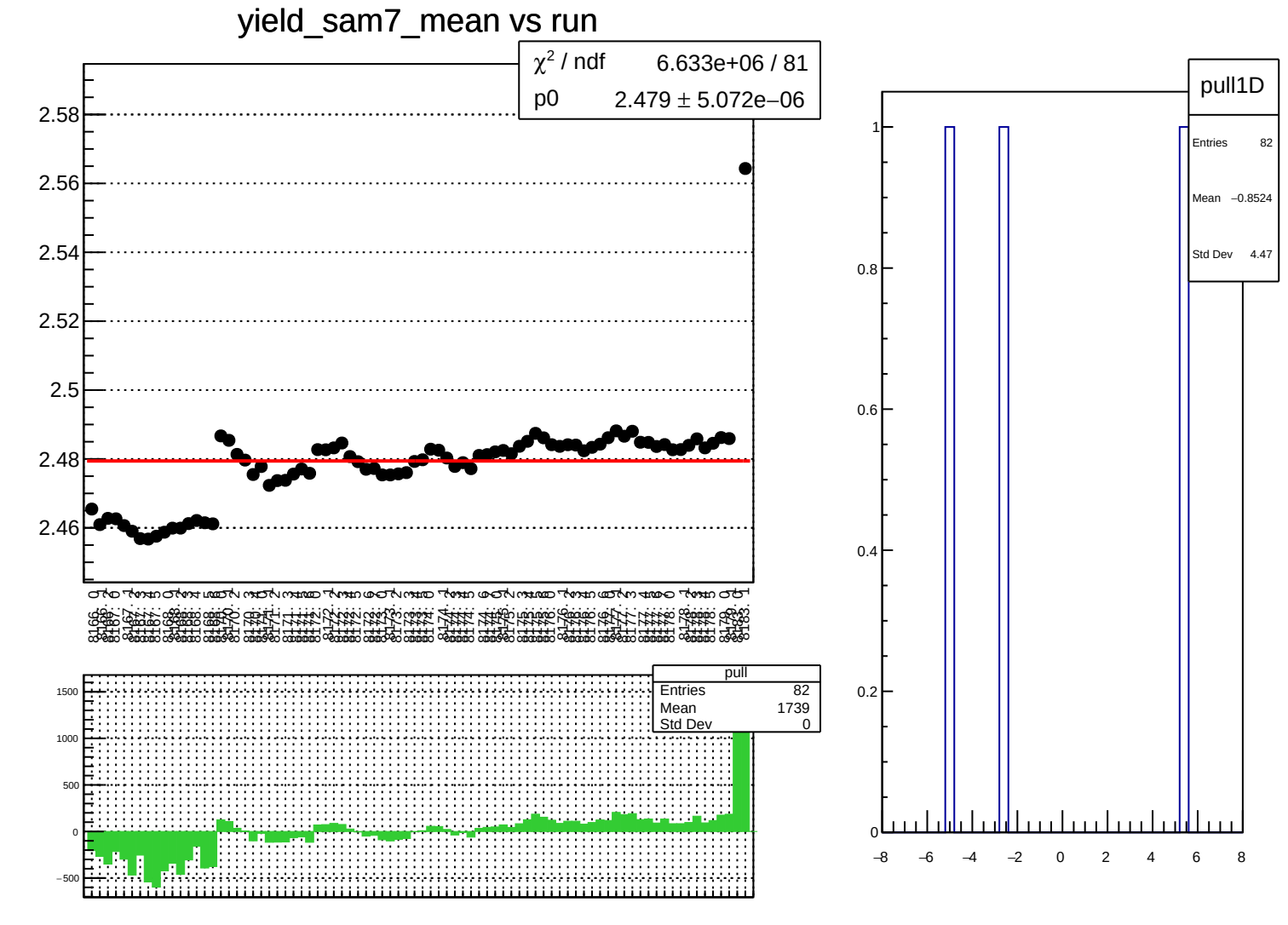

yield_sam4_rms vs run
χ² / ndf 3.867e+04 / 81
p0 0.1165 ± 9.375e−05
0.3
0.25
0.2
0.15
0.1

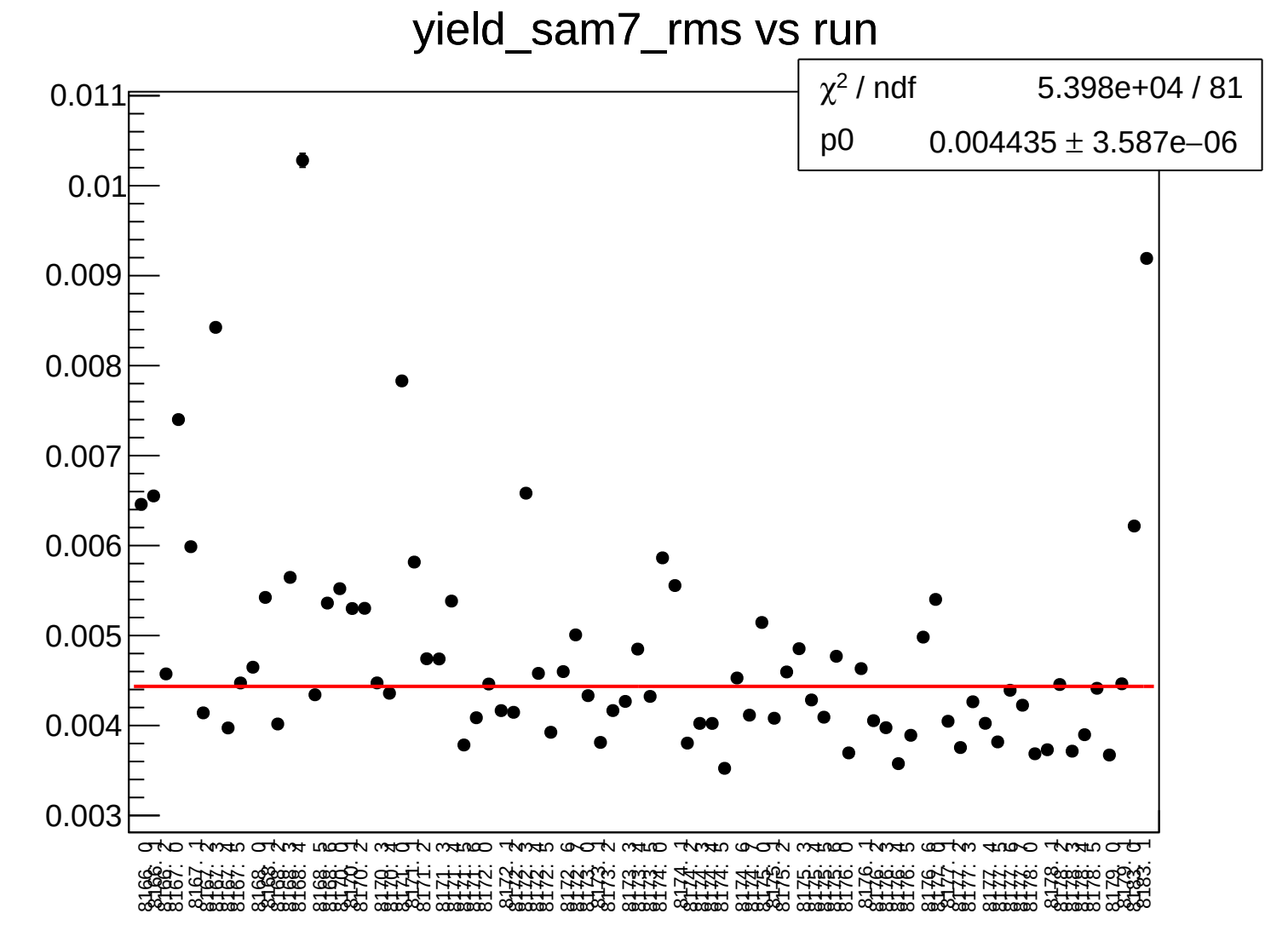

yield_sam5_mean vs run
χ² / ndf 9.302e+05 / 81
p0 17.4 ± 4.66e−05
17.75
17.7
17.65
17.6
17.55
17.5
17.45
17.4
17.35
pull
Entries 82
Mean 201.7
Std Dev 0
600
500
400
300
200
100
0
−100
pull1D
Entries 82
Mean 0.2643
Std Dev 4.952
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

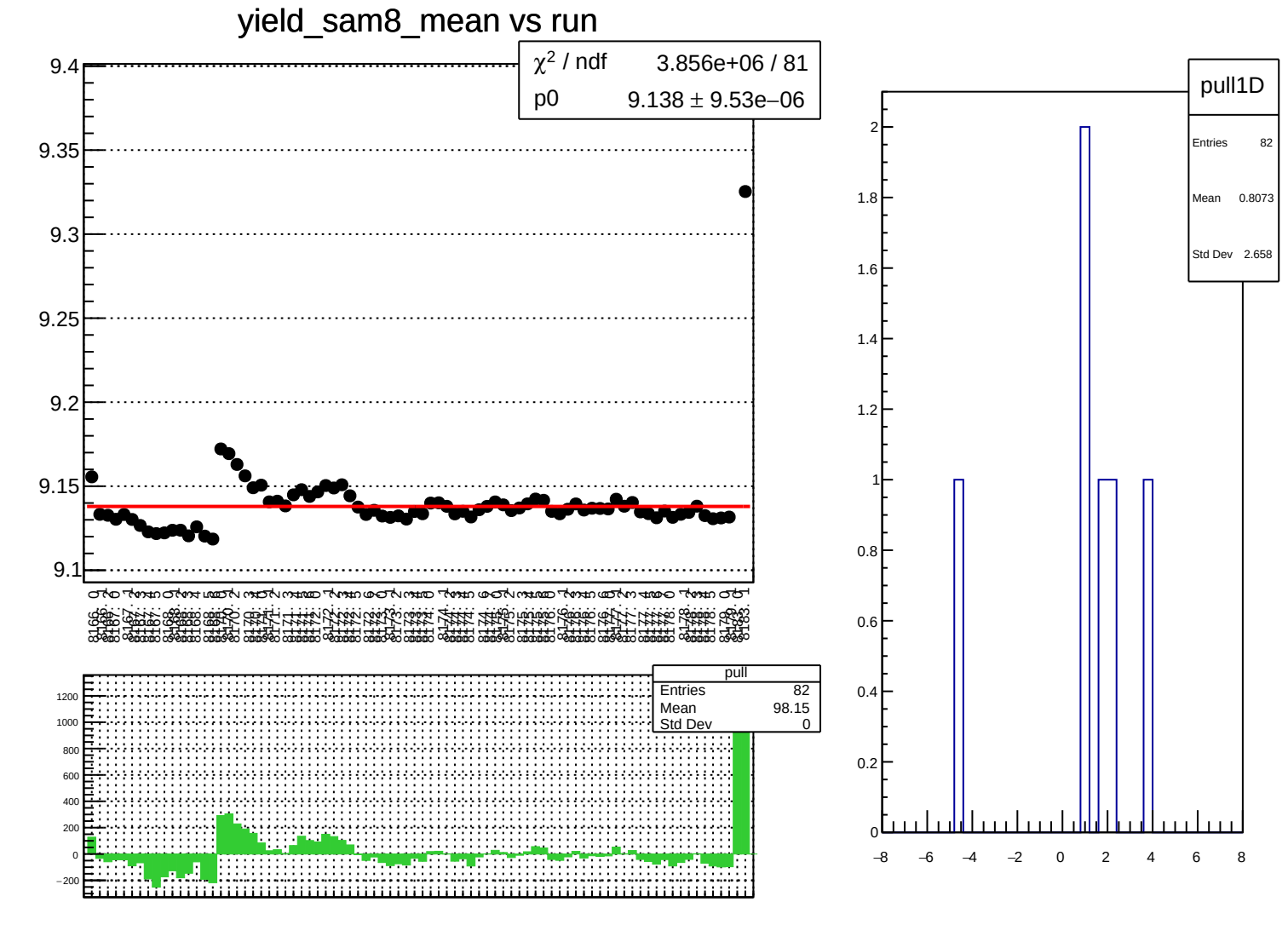

yield_sam5_rms vs run
χ² / ndf 5.646e+04 / 81
p0 0.04071 ± 3.295e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04

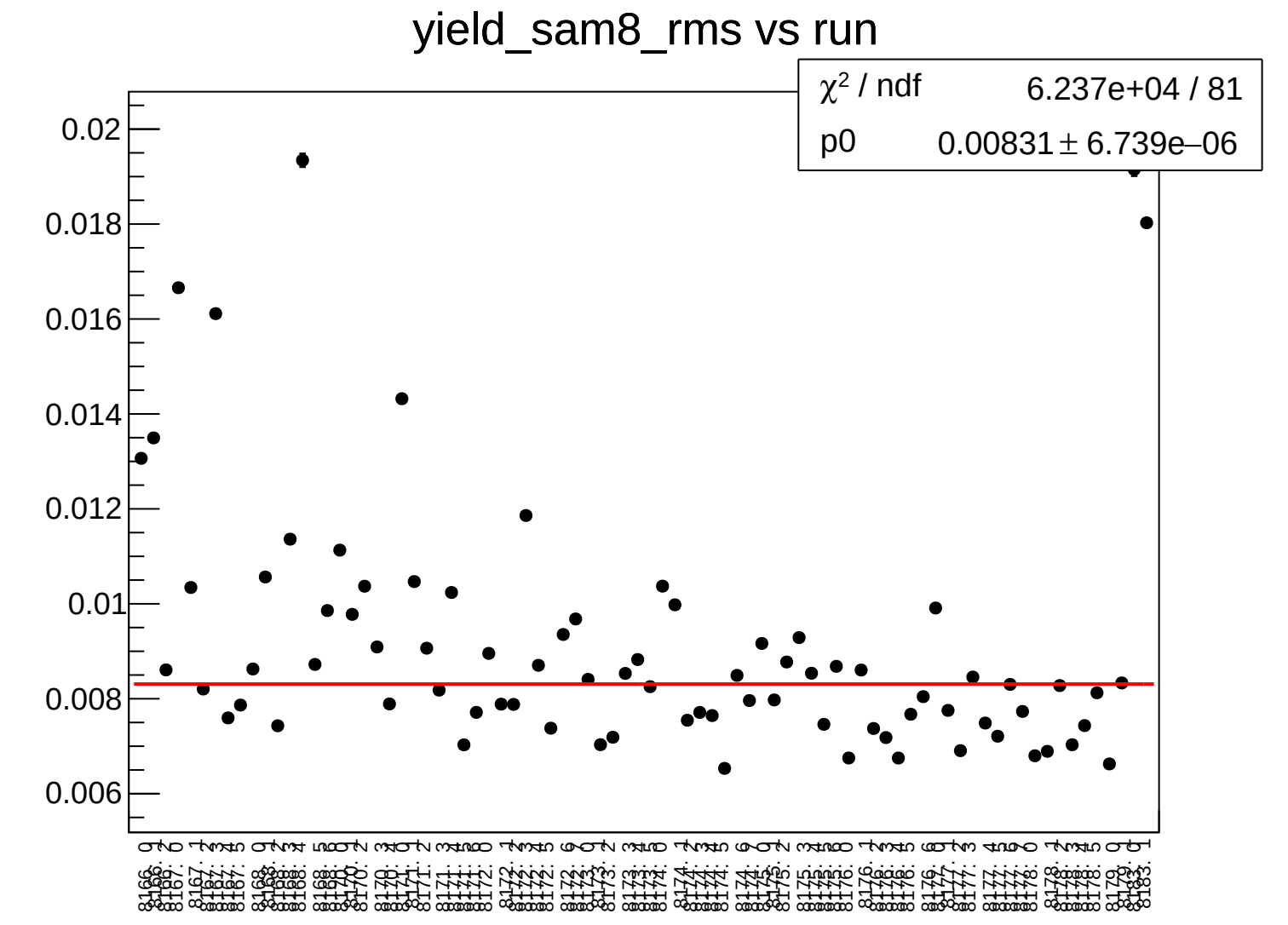

yield_sam6_mean vs run
χ² / ndf 4.302e+05 / 81
p0 9.673 ± 3.732e−05
9.85
9.8
9.75
9.7
9.65
pull
Entries 82
Mean 237.4
Std Dev 0
400
300
200
100
0
−100
pull1D
Entries 82
Mean −0.04338
Std Dev 3.997
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

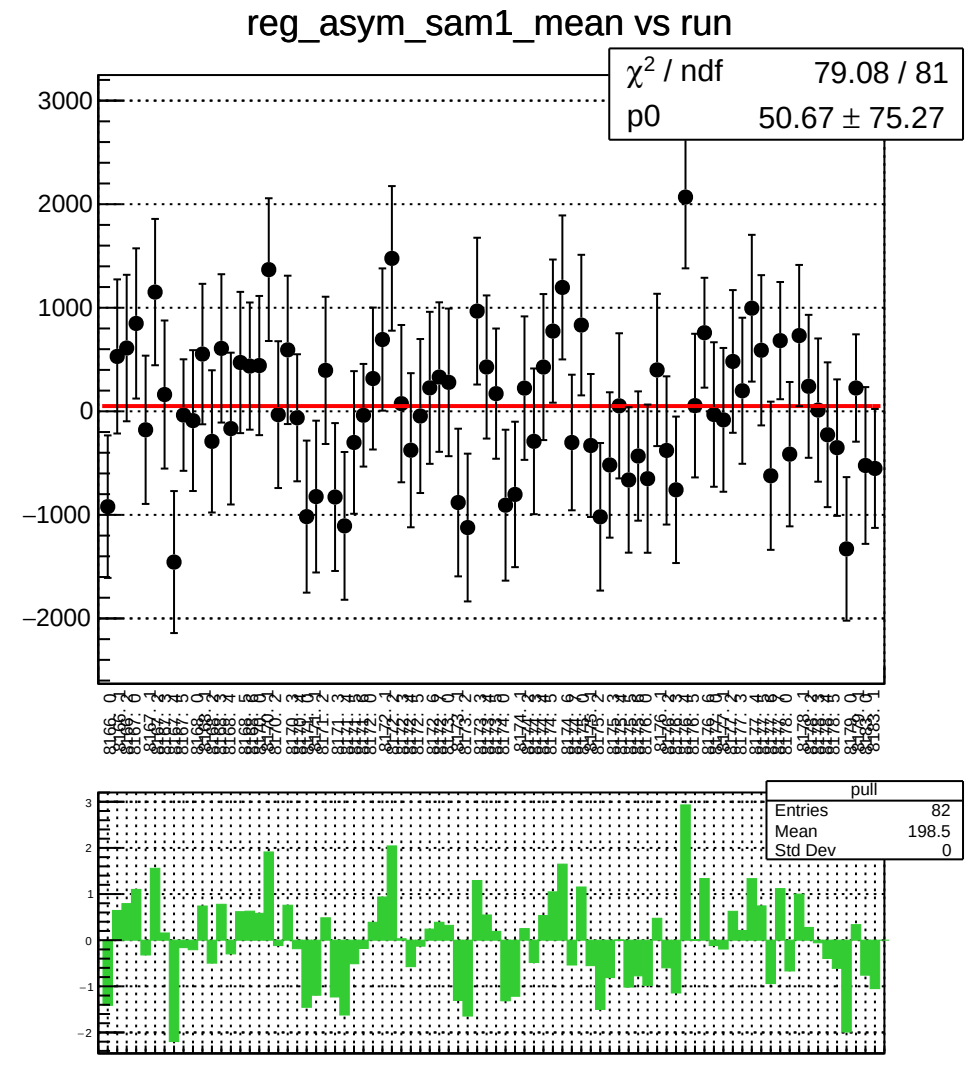

yield_sam6_rms vs run
χ² / ndf 4.484e+04 / 81
p0 0.03273 ± 2.639e−05
0.08
0.07
0.06
0.05
0.04
0.03

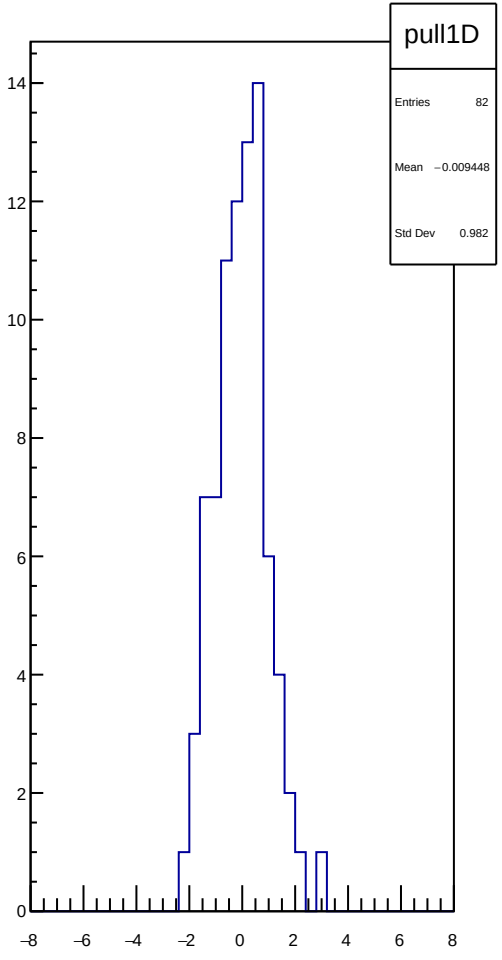

yield_sam7_mean vs run
χ² / ndf 6.633e+06 / 81
p0 2.479 ± 5.072e−06
2.58
2.56
2.54
2.52
2.5
2.48
2.46
pull
Entries 82
Mean 1739
Std Dev 0
1500
1000
500
0
−500
pull1D
Entries 82
Mean −0.8524
Std Dev 4.47
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

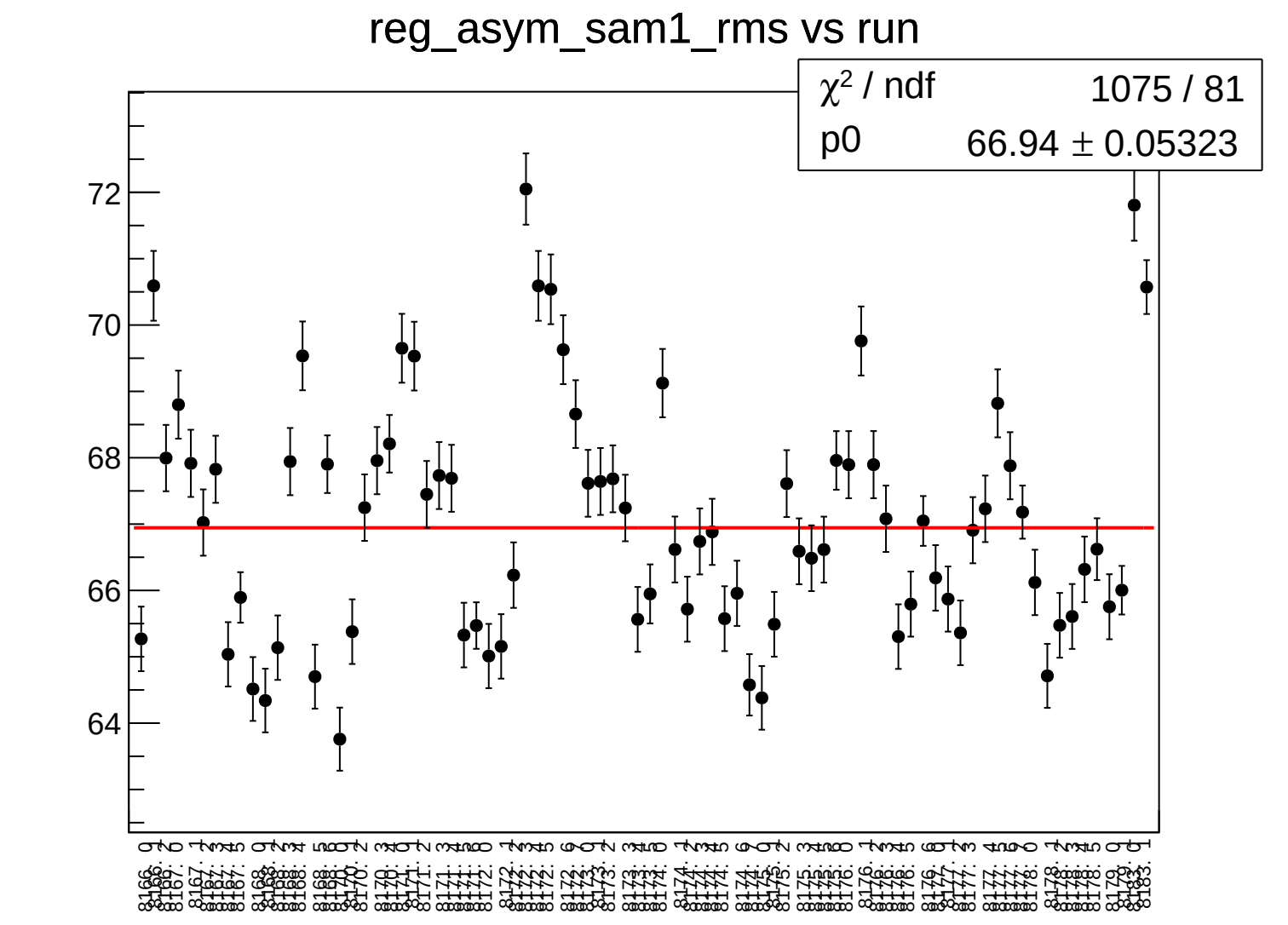

yield_sam7_rms vs run
χ² / ndf 5.398e+04 / 81
p0 0.004435 ± 3.587e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

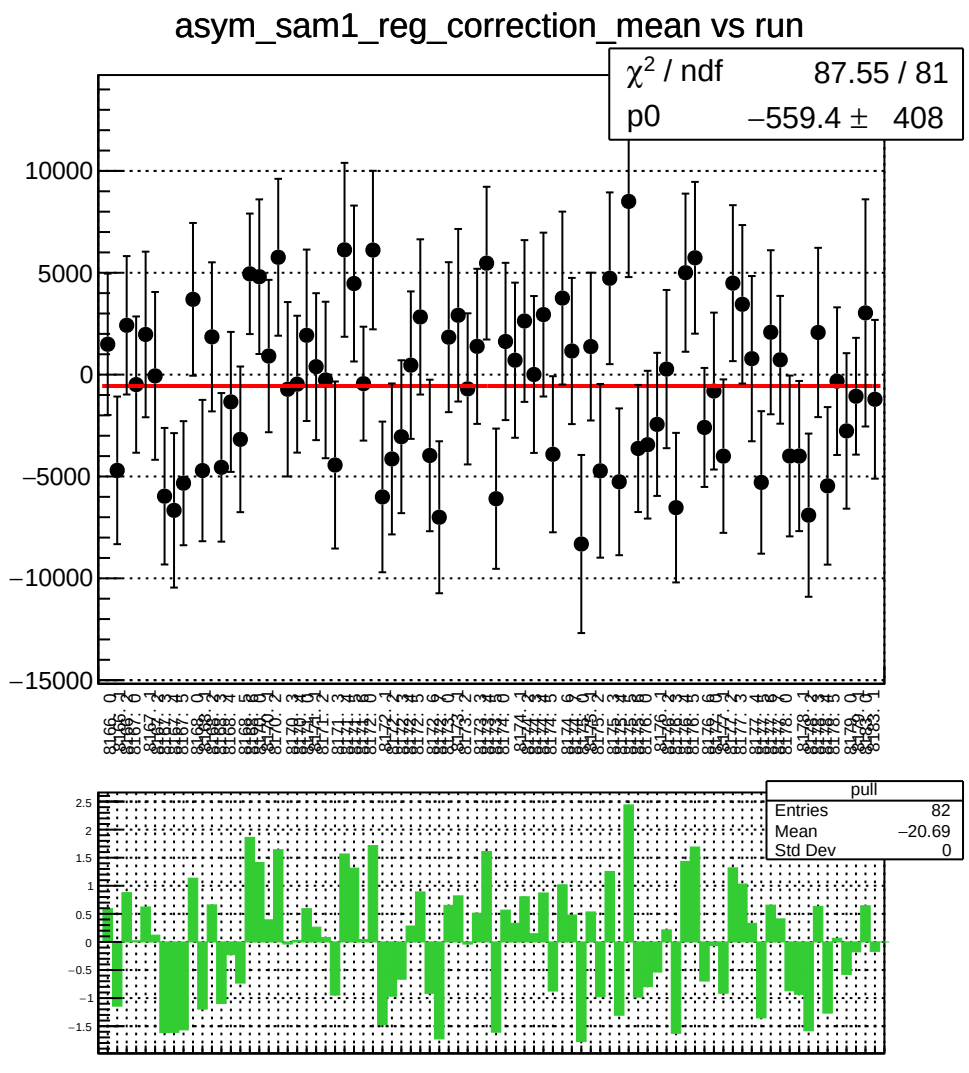

yield_sam8_mean vs run
χ² / ndf 3.856e+06 / 81
p0 9.138 ± 9.53e−06
9.4
9.35
9.3
9.25
9.2
9.15
9.1
pull
Entries 82
Mean 98.15
Std Dev 0
1200
1000
800
600
400
200
0
−200
pull1D
Entries 82
Mean 0.8073
Std Dev 2.658
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

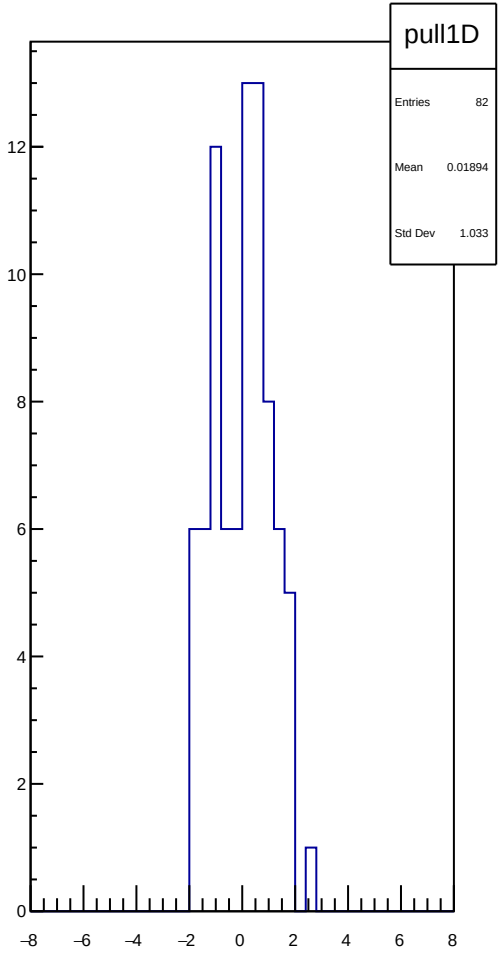

yield_sam8_rms vs run
χ² / ndf 6.237e+04 / 81
p0 0.00831 ± 6.739e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

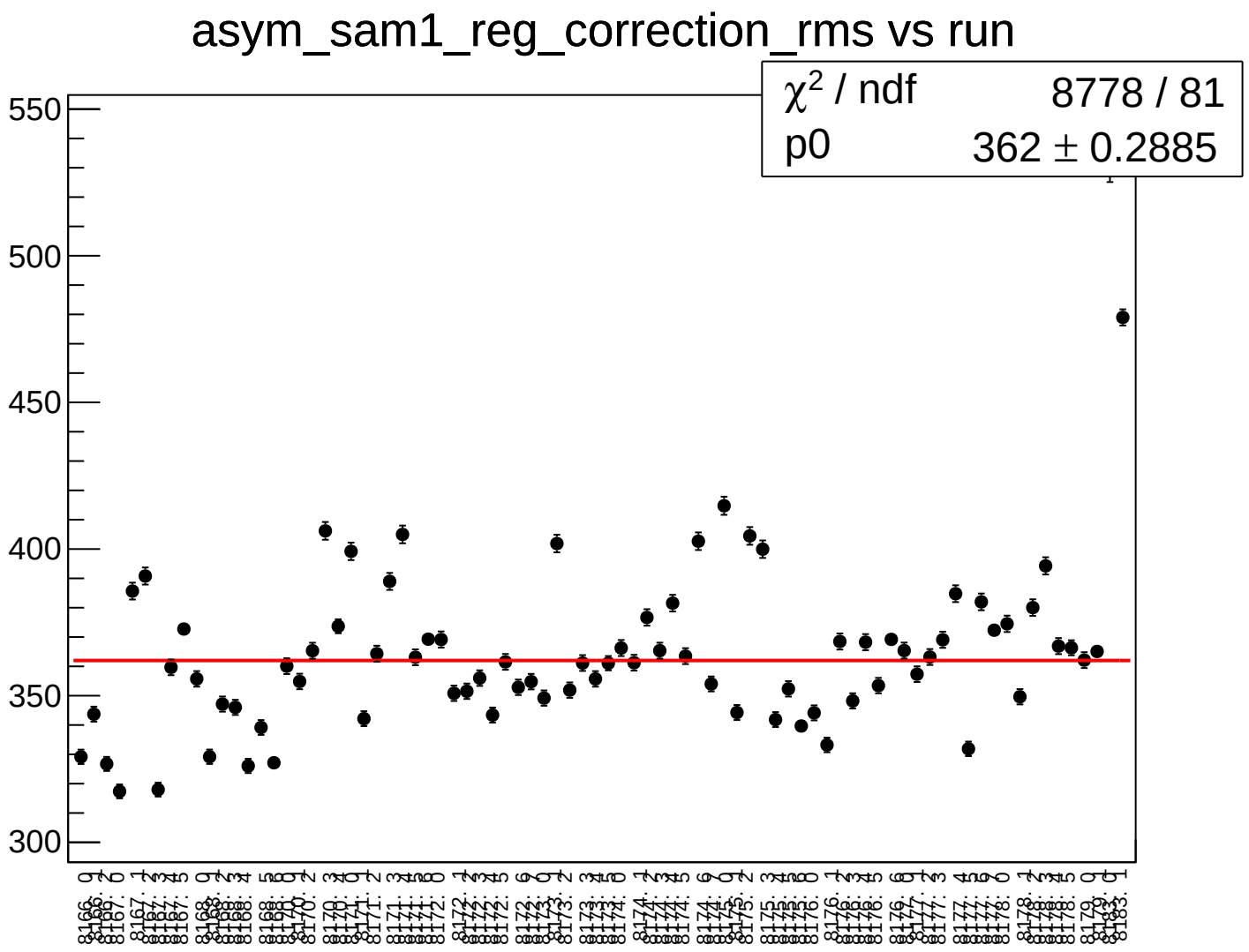

reg_asym_sam1_mean vs run
χ² / ndf 79.08 / 81
p0 50.67 ± 75.27
pull
Entries 82
Mean 198.5
Std Dev 0

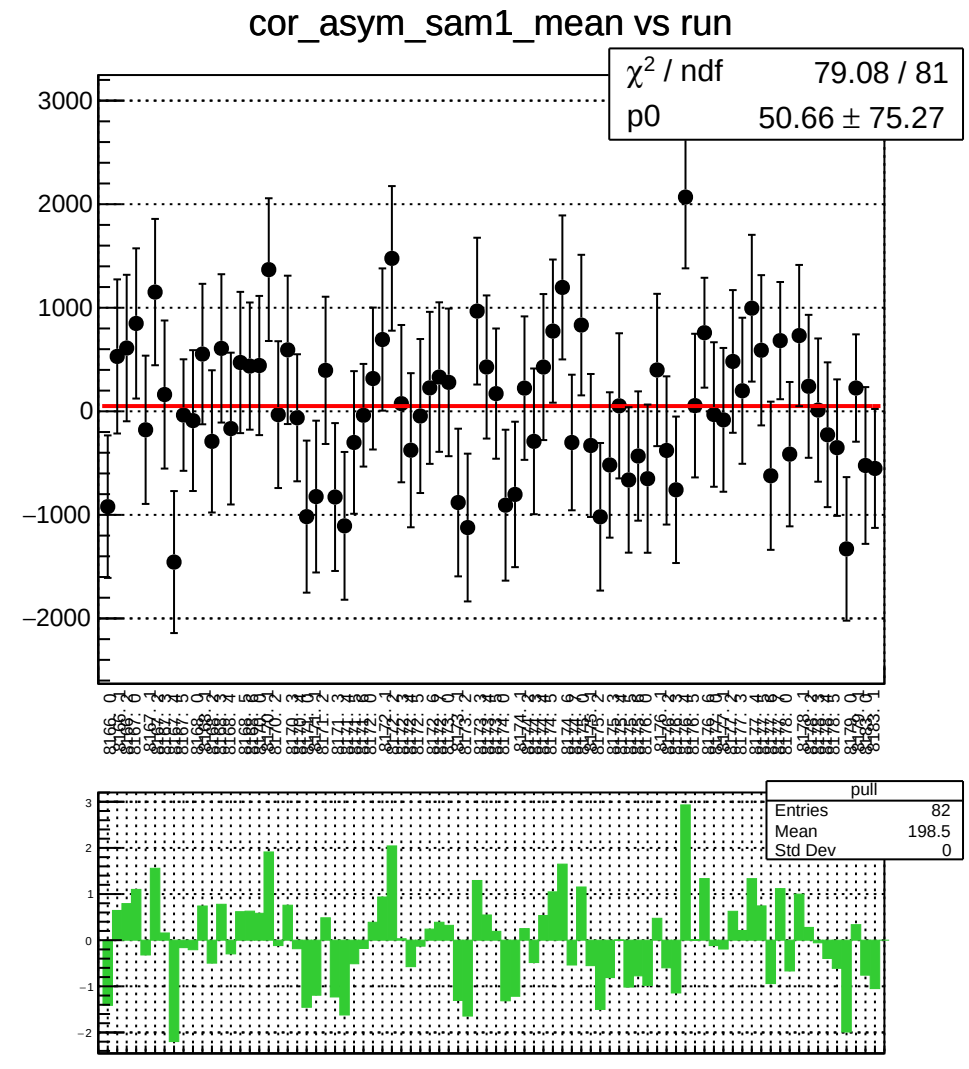

pull1D
Entries 82
Mean −0.009448
Std Dev 0.982

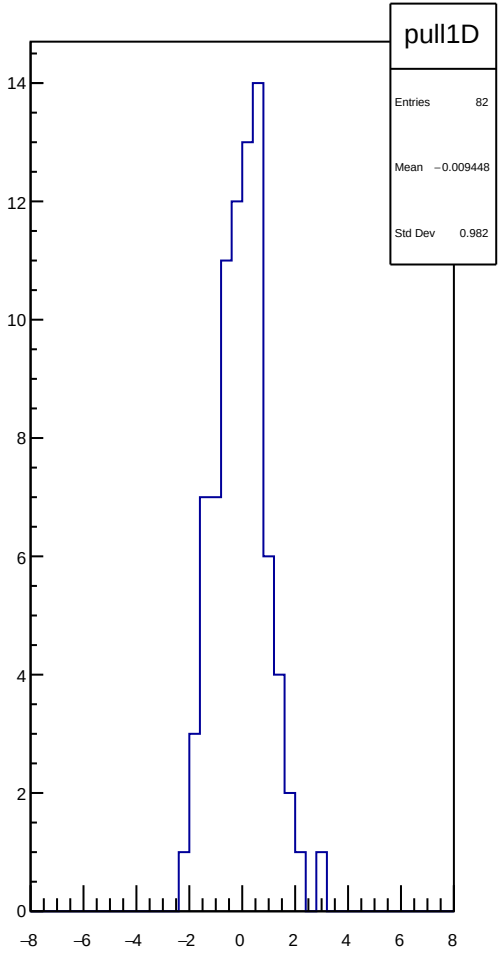

reg_asym_sam1_rms vs run
χ^2 / ndf 1075 / 81
p0 66.94 ± 0.05323
72
70
68
66
64

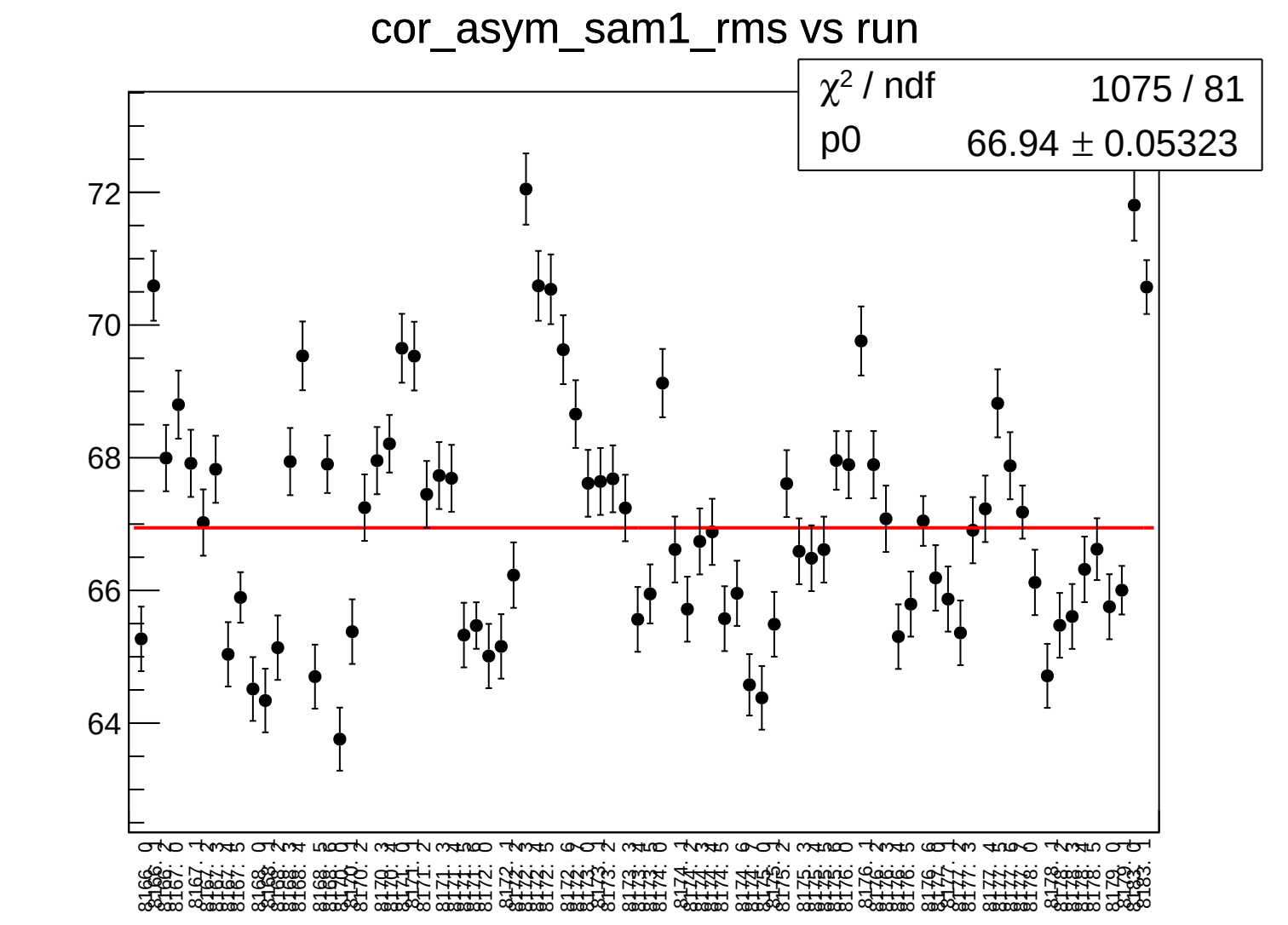

asym_sam1_reg_correction_mean vs run
χ² / ndf 87.55 / 81
p0 −559.4 ± 408
pull
Entries 82
Mean −20.69
Std Dev 0

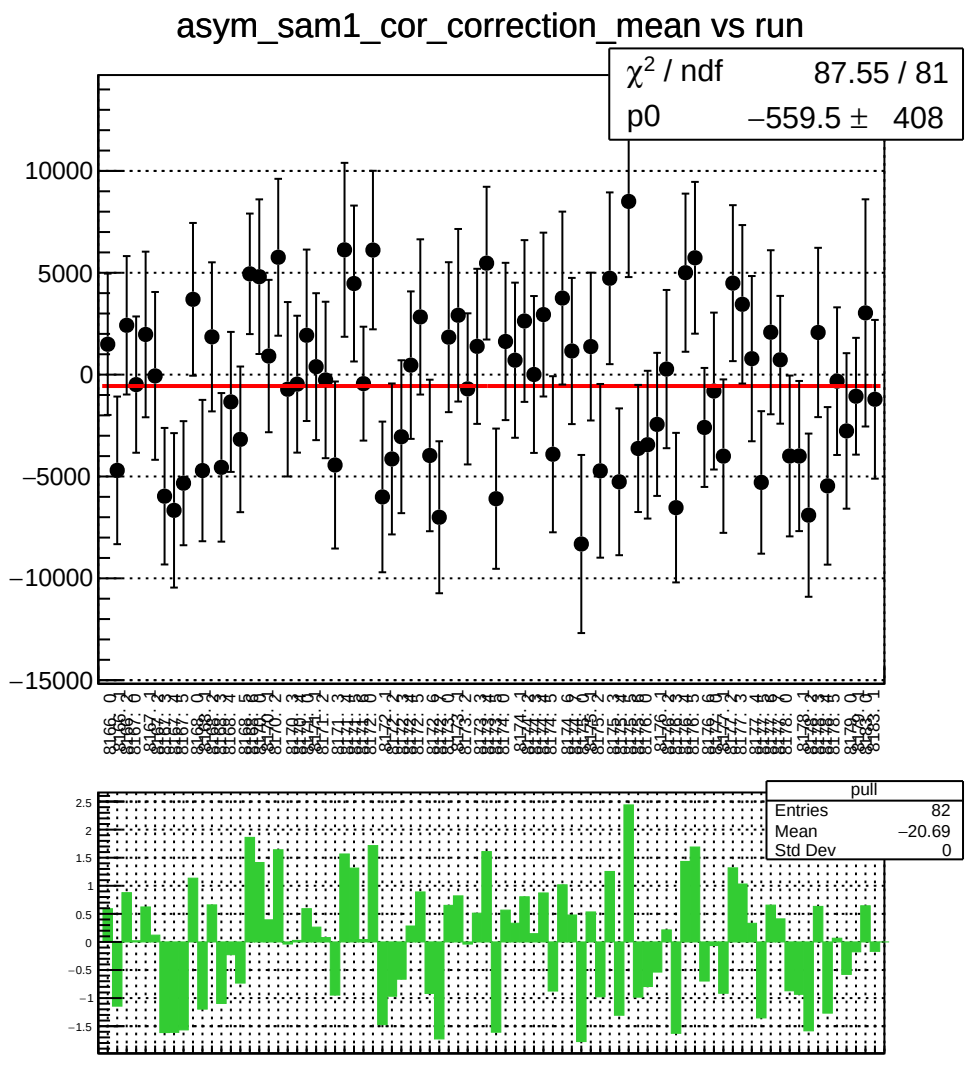

pull1D
Entries 82
Mean 0.01894
Std Dev 1.033

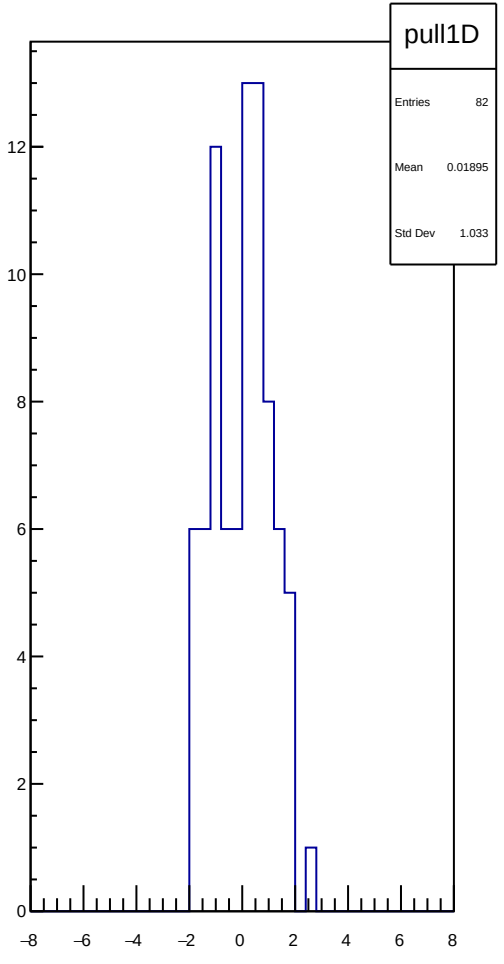

asym_sam1_reg_correction_rms vs run
χ² / ndf 8778 / 81
p0 362 ± 0.2885
550
500
450
400
350
300

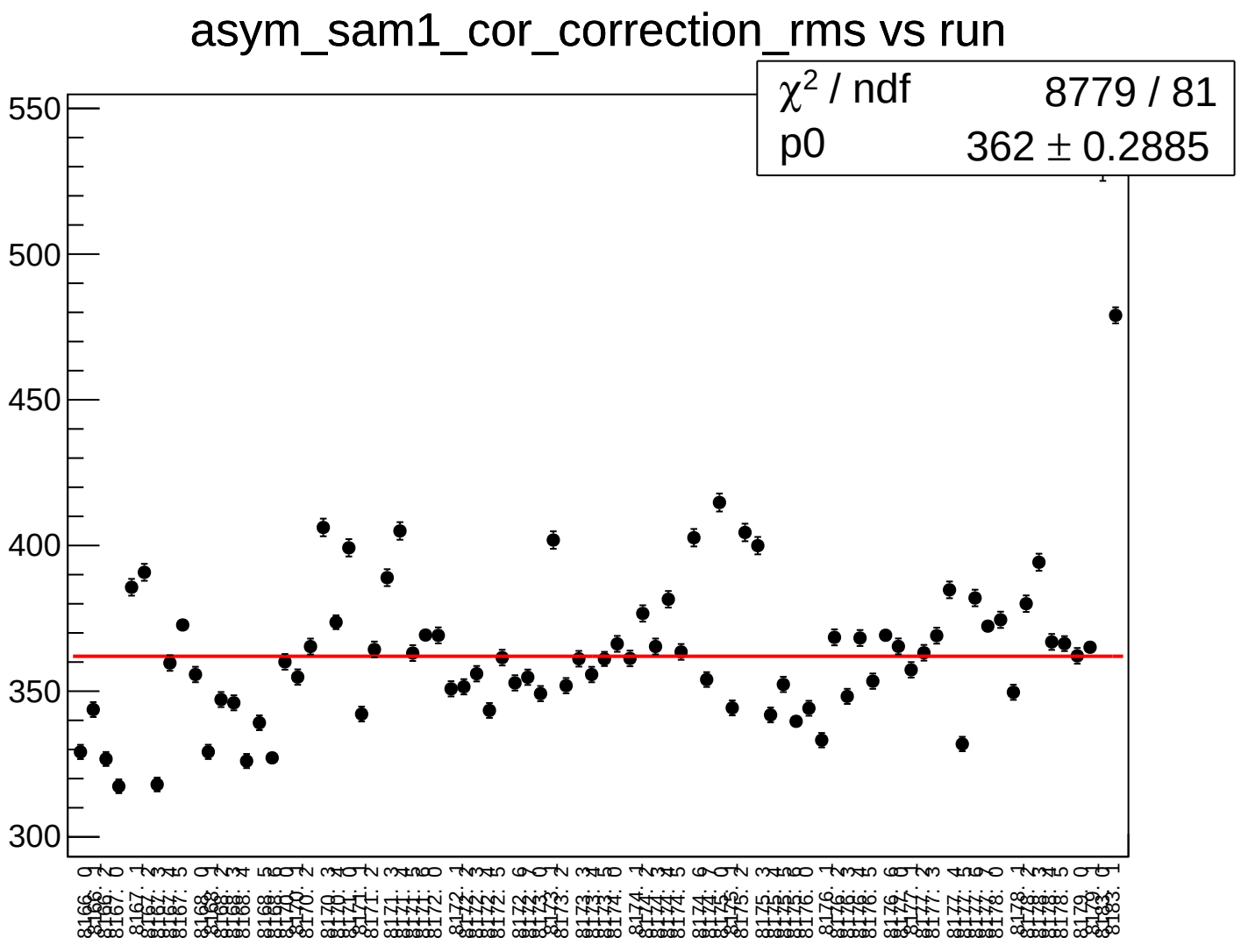

cor_asym_sam1_mean vs run
χ² / ndf 79.08 / 81
p0 50.66 ± 75.27
pull
Entries 82
Mean 198.5
Std Dev 0

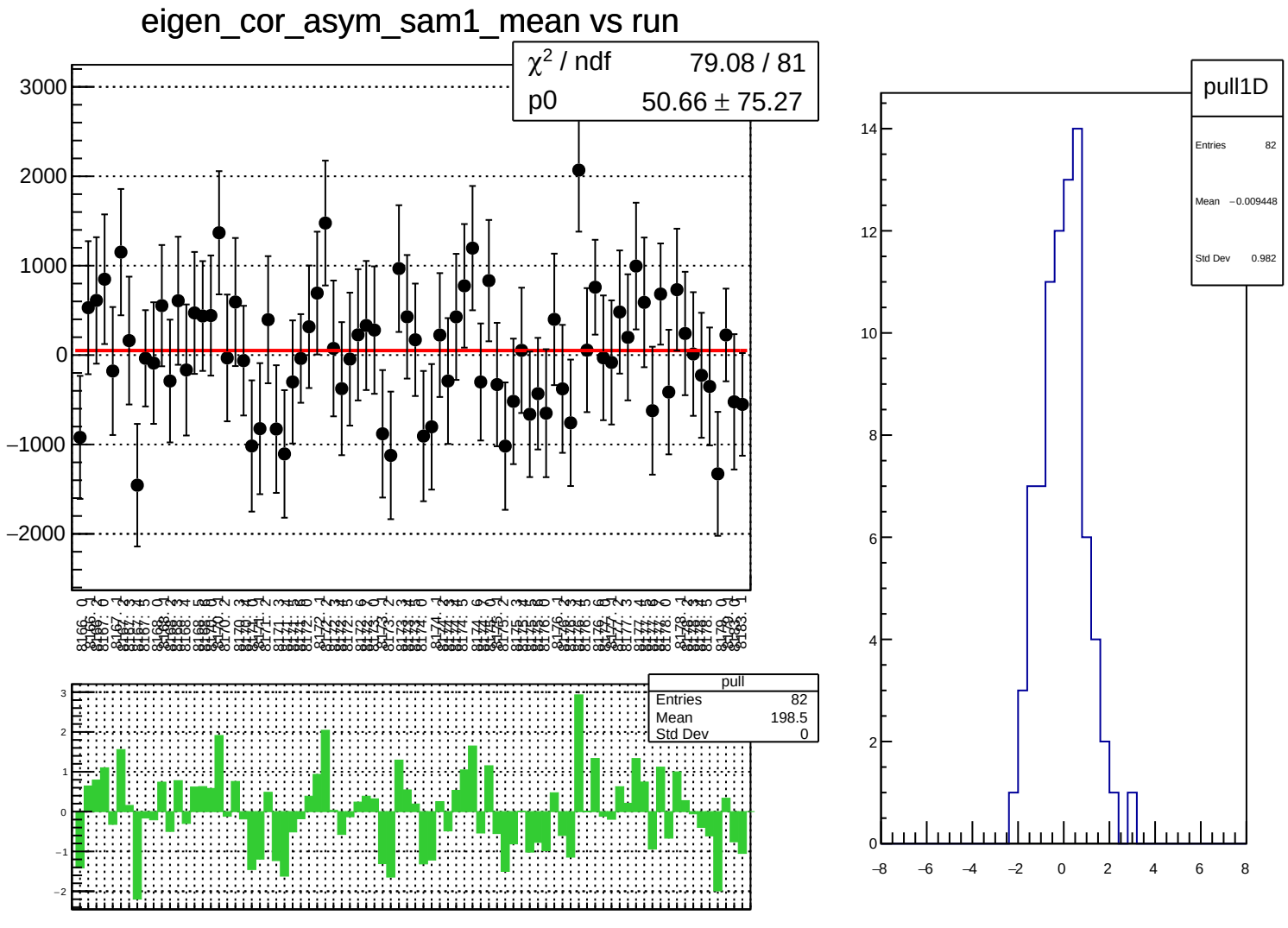

pull1D
Entries 82
Mean −0.009448
Std Dev 0.982

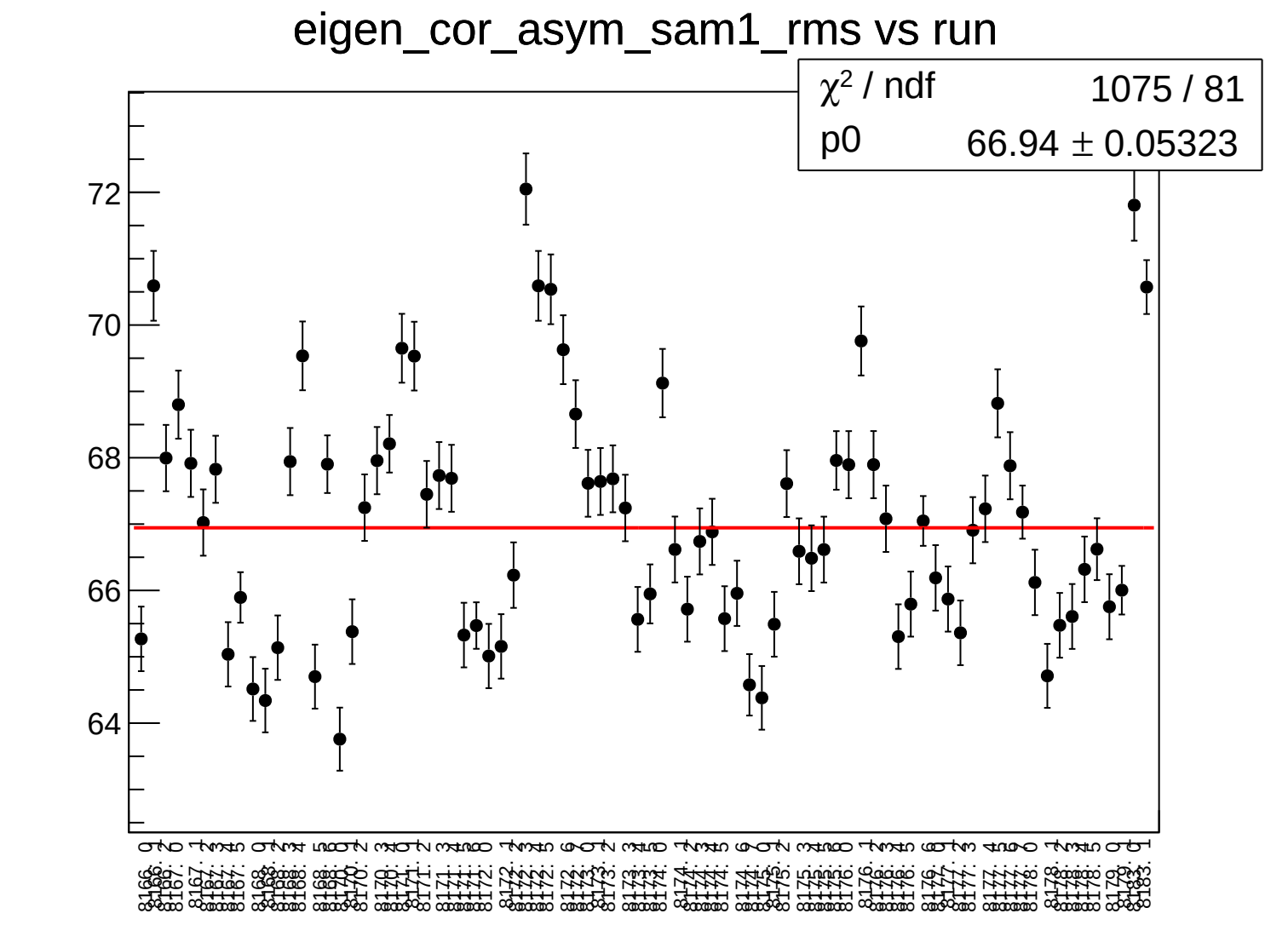

cor_asym_sam1_rms vs run
χ^2 / ndf 1075 / 81
p0 66.94 ± 0.05323
72
70
68
66
64

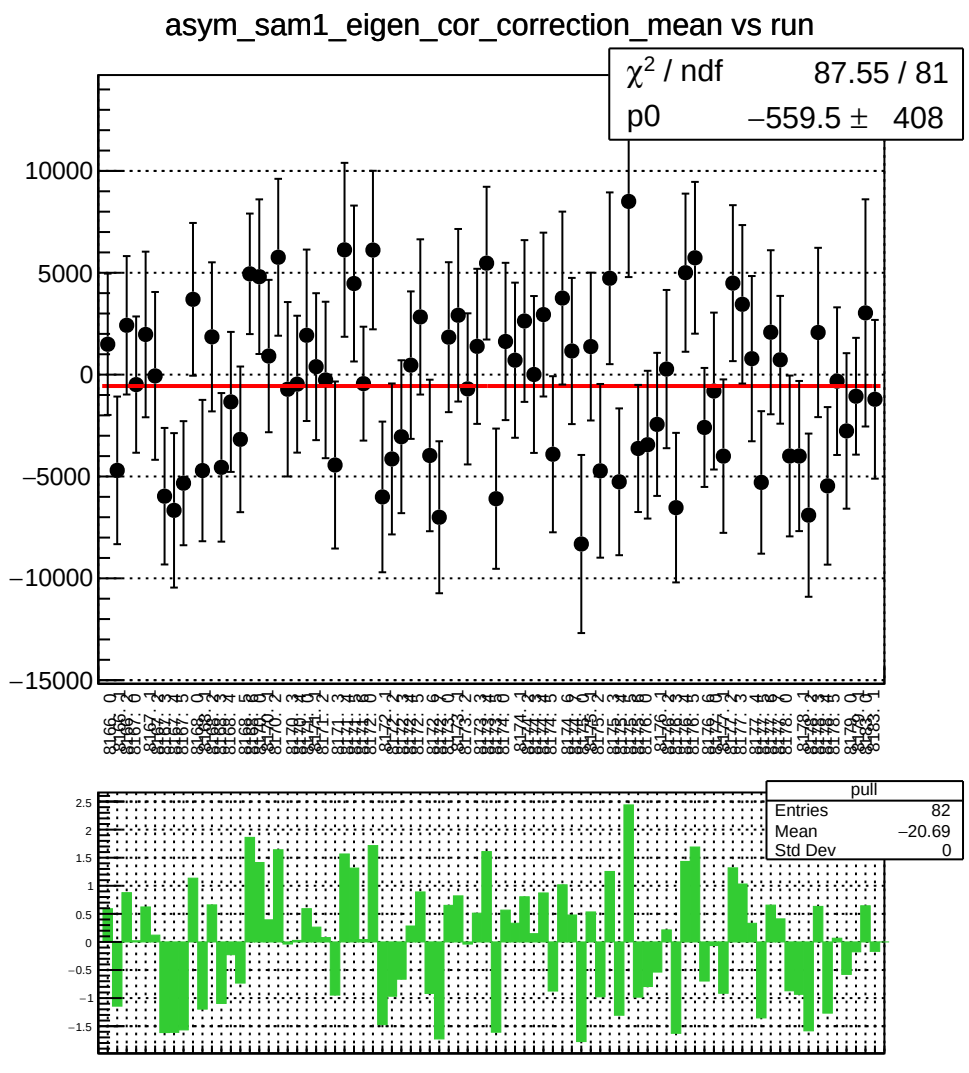

asym_sam1_cor_correction_mean vs run
χ² / ndf 87.55 / 81
p0 −559.5 ± 408
pull
Entries 82
Mean −20.69
Std Dev 0

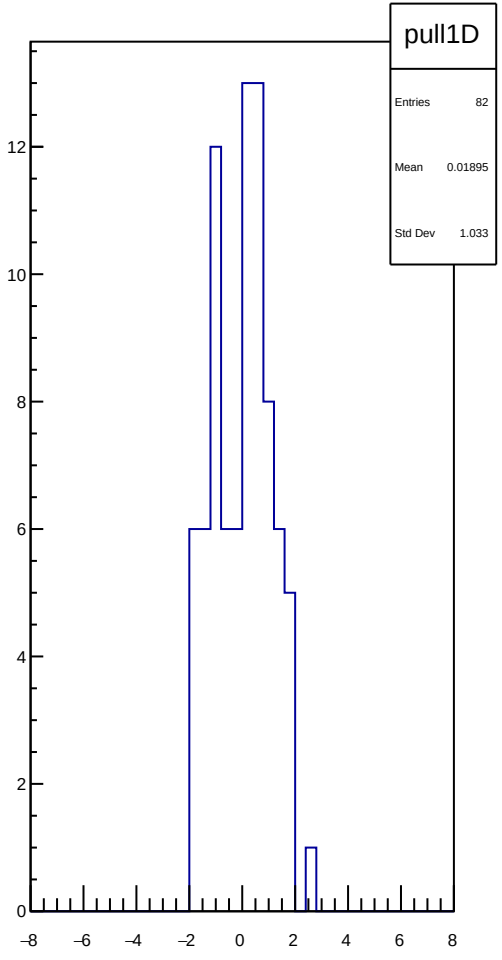

pull1D
Entries 82
Mean 0.01895
Std Dev 1.033

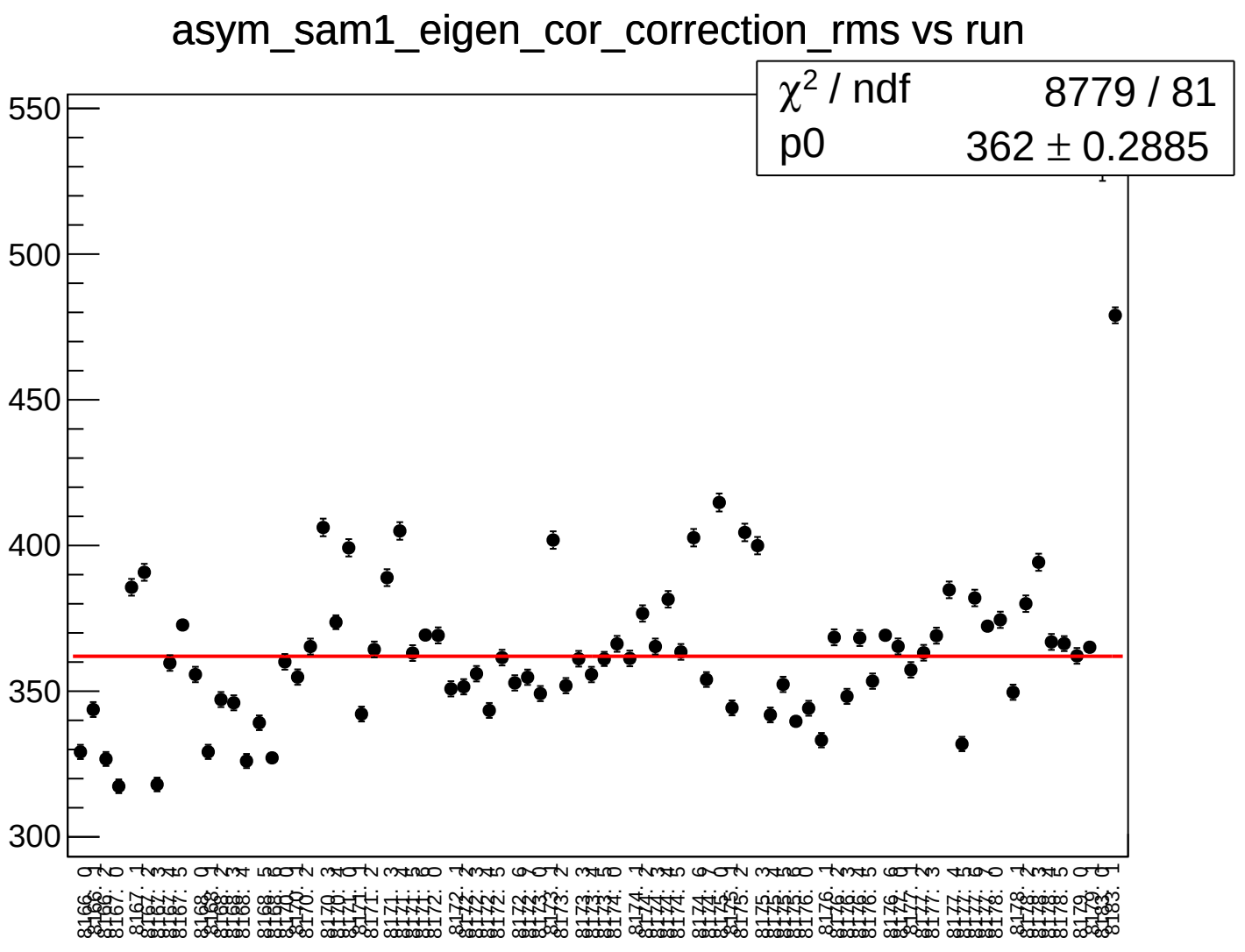

asym_sam1_cor_correction_rms vs run
χ² / ndf 8779 / 81
p0 362 ± 0.2885
550
500
450
400
350
300

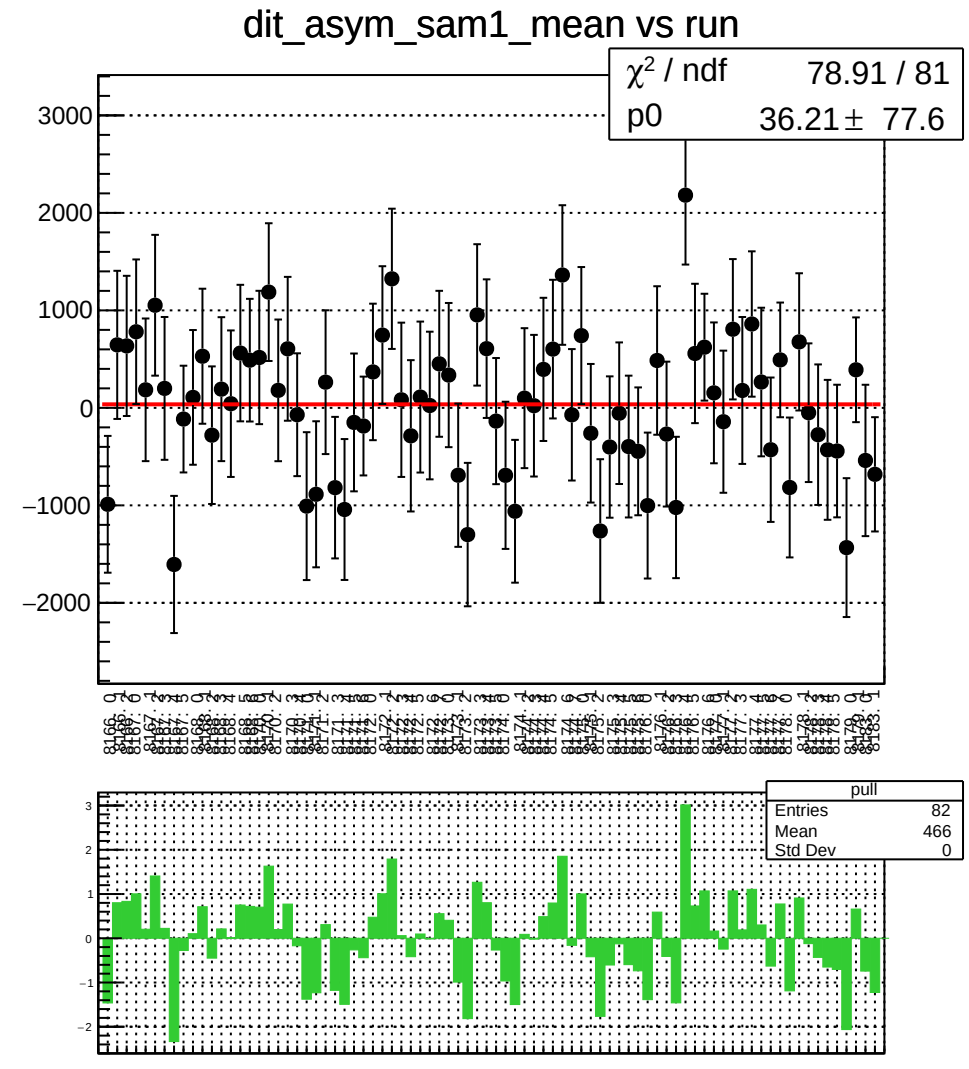

eigen_cor_asym_sam1_mean vs run
χ² / ndf 79.08 / 81
p0 50.66 ± 75.27
pull
Entries 82
Mean 198.5
Std Dev 0
pull1D
Entries 82
Mean −0.009448
Std Dev 0.982

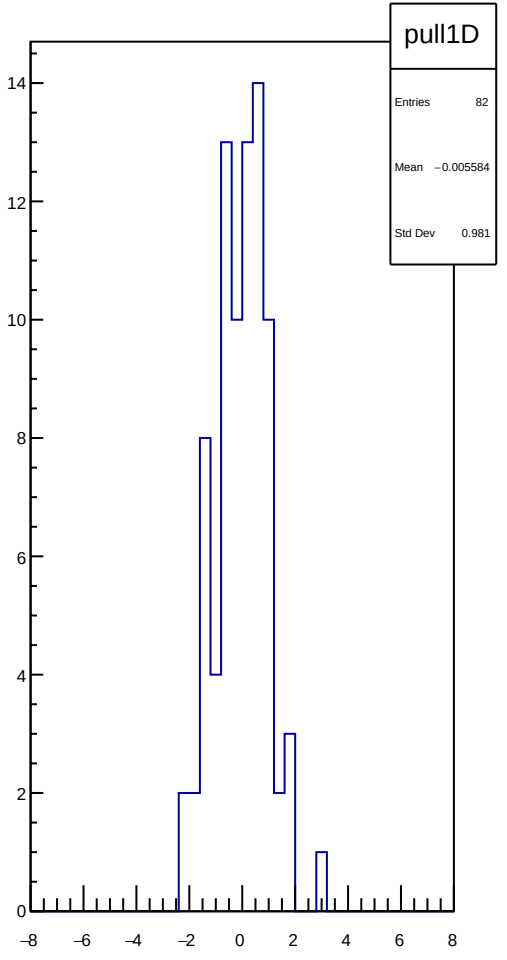

eigen_cor_asym_sam1_rms vs run
χ^2 / ndf 1075 / 81
p0 66.94 ± 0.05323
72
70
68
66
64

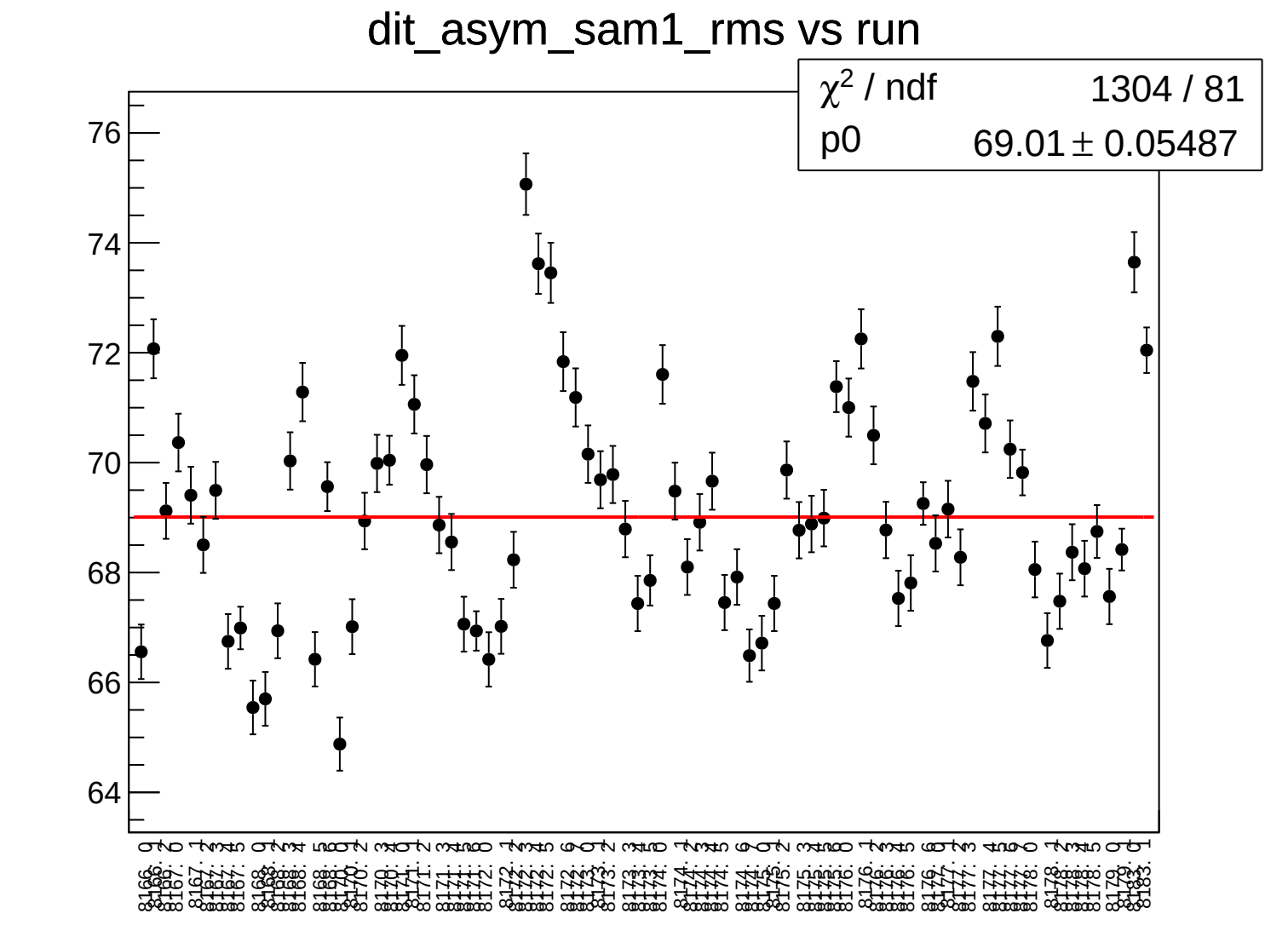

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 87.55 / 81
p0 −559.5 ± 408
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −20.69
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

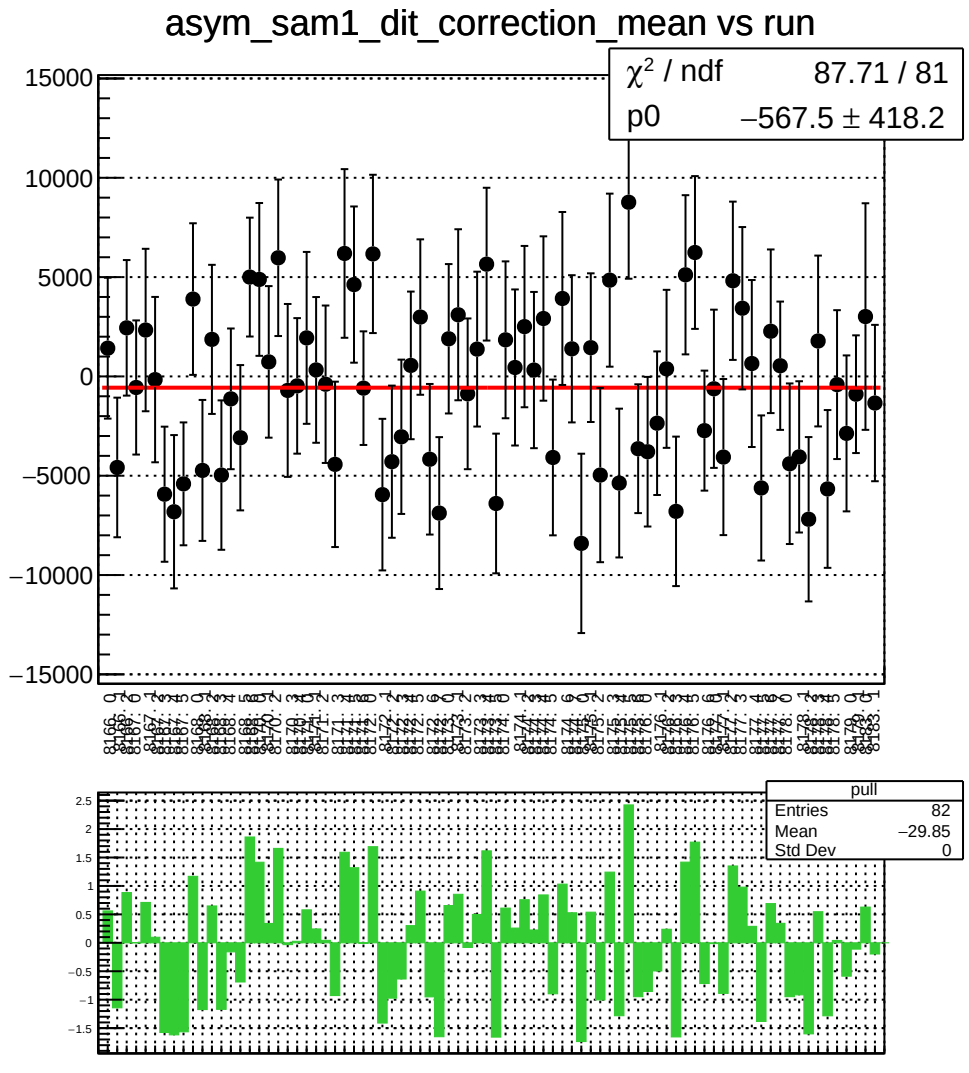

pull1D
Entries 82
Mean 0.01895
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

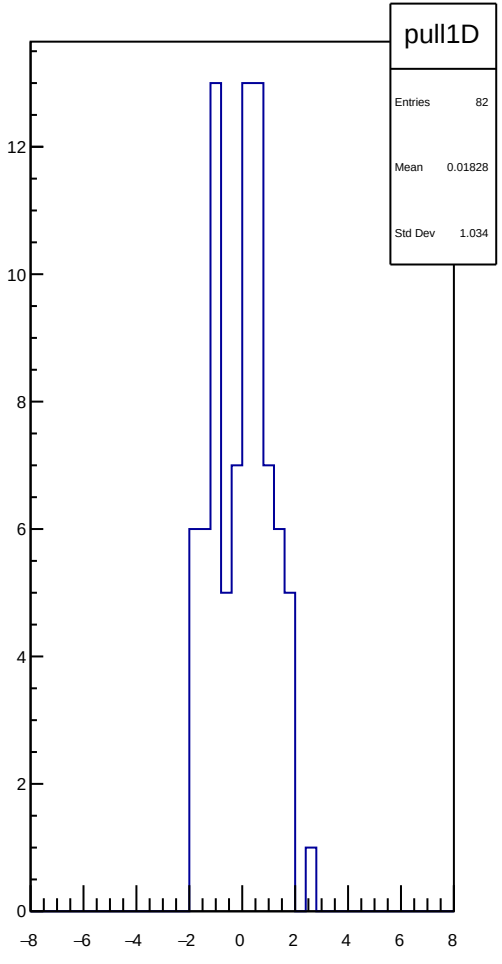

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 8779 / 81
p0 362 ± 0.2885
550
500
450
400
350
300

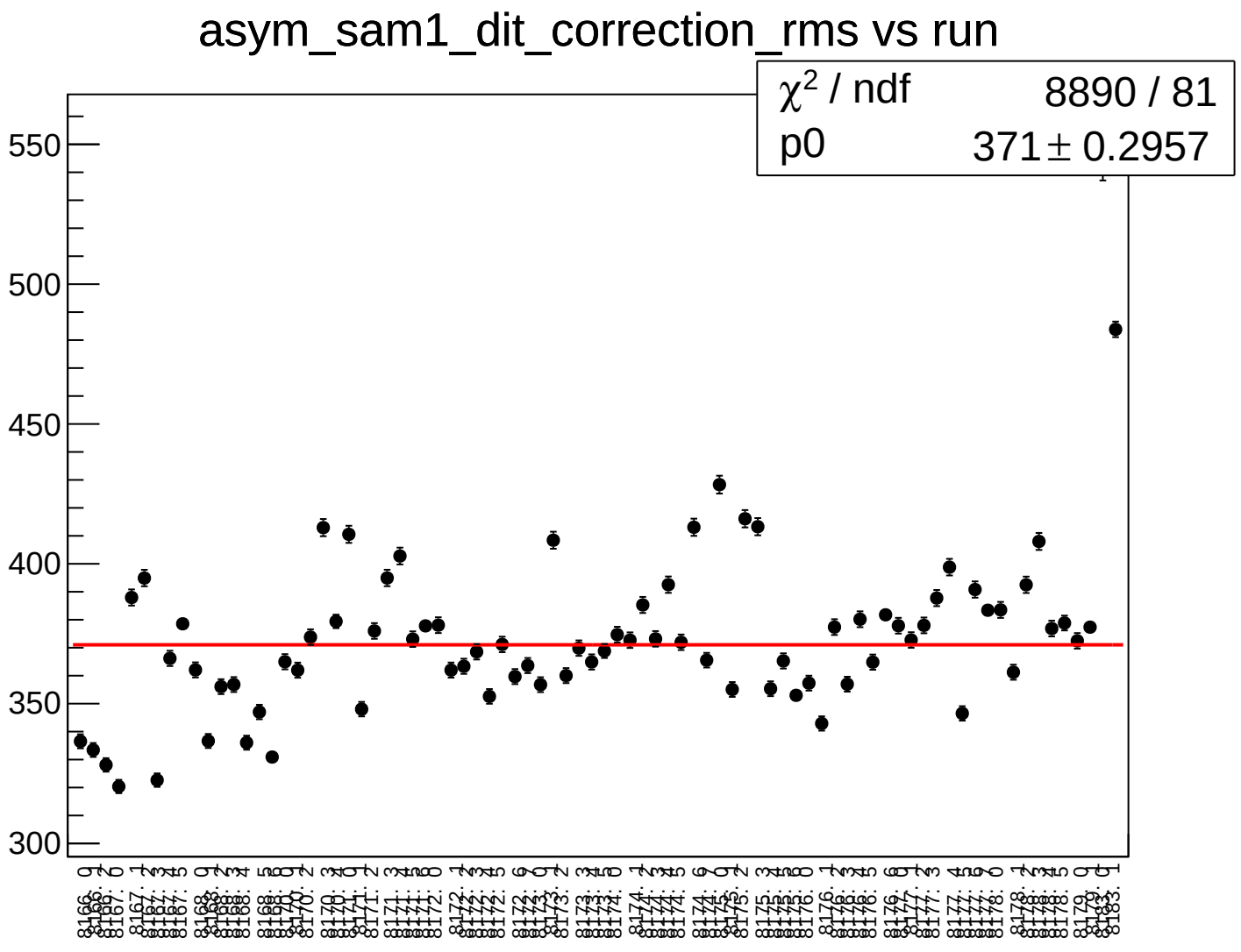

dit_asym_sam1_mean vs run
χ² / ndf 78.91 / 81
p0 36.21 ± 77.6
pull
Entries 82
Mean 466
Std Dev 0

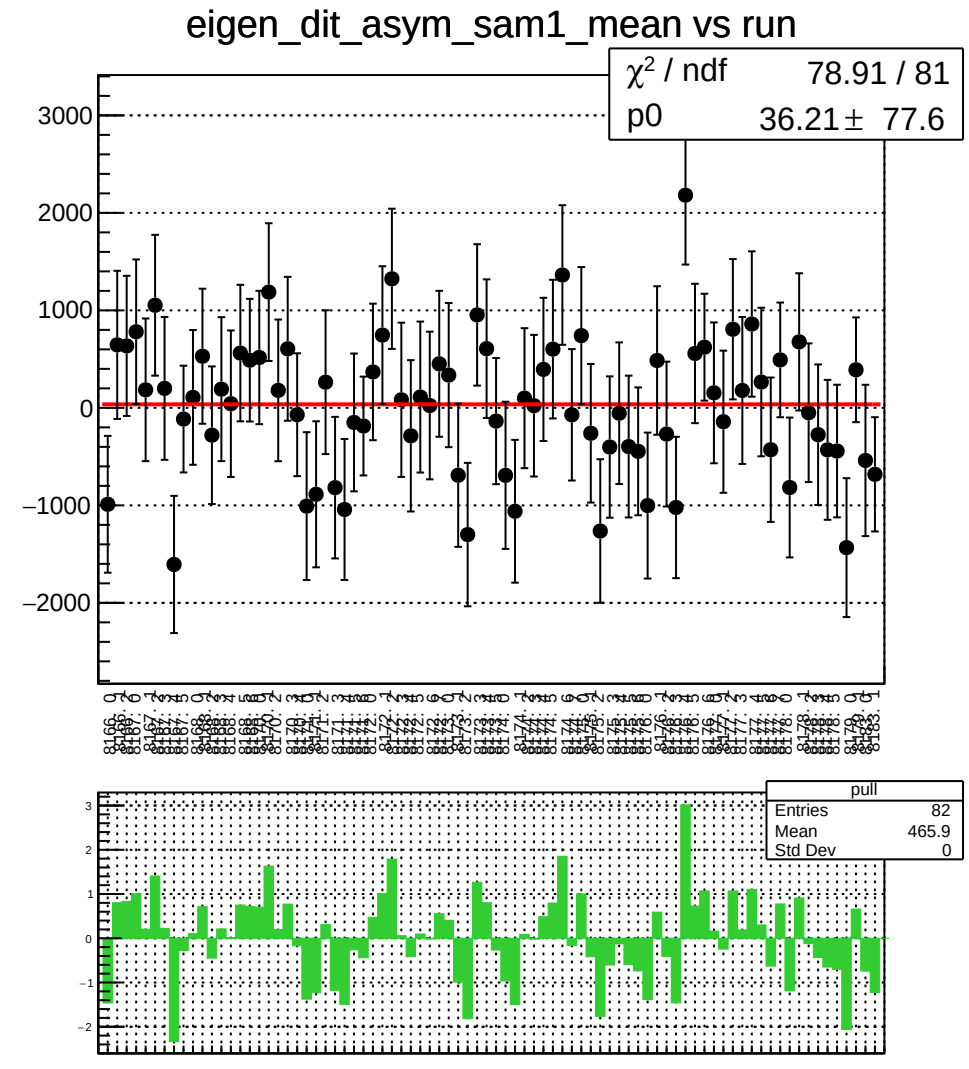

pull1D
Entries 82
Mean −0.005584
Std Dev 0.981

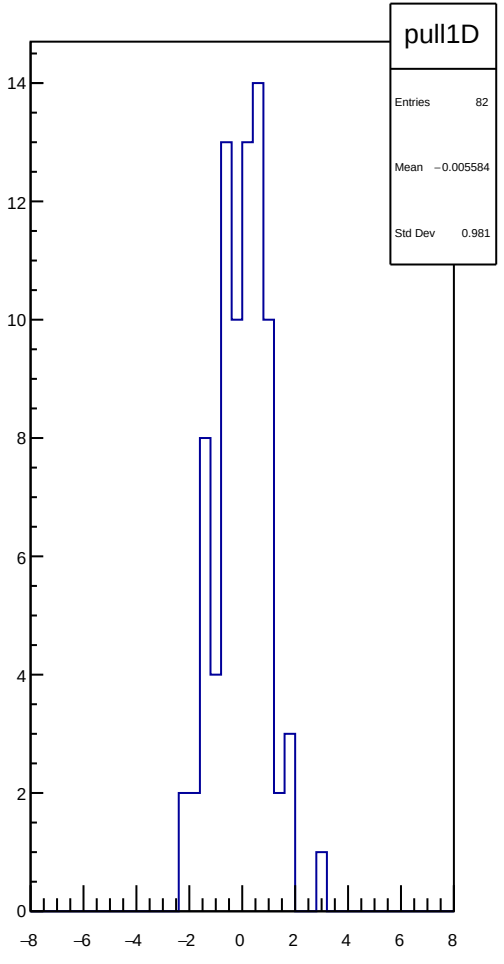

dit_asym_sam1_rms vs run
χ^2 / ndf 1304 / 81
p0 69.01 ± 0.05487
76
74
72
70
68
66
64

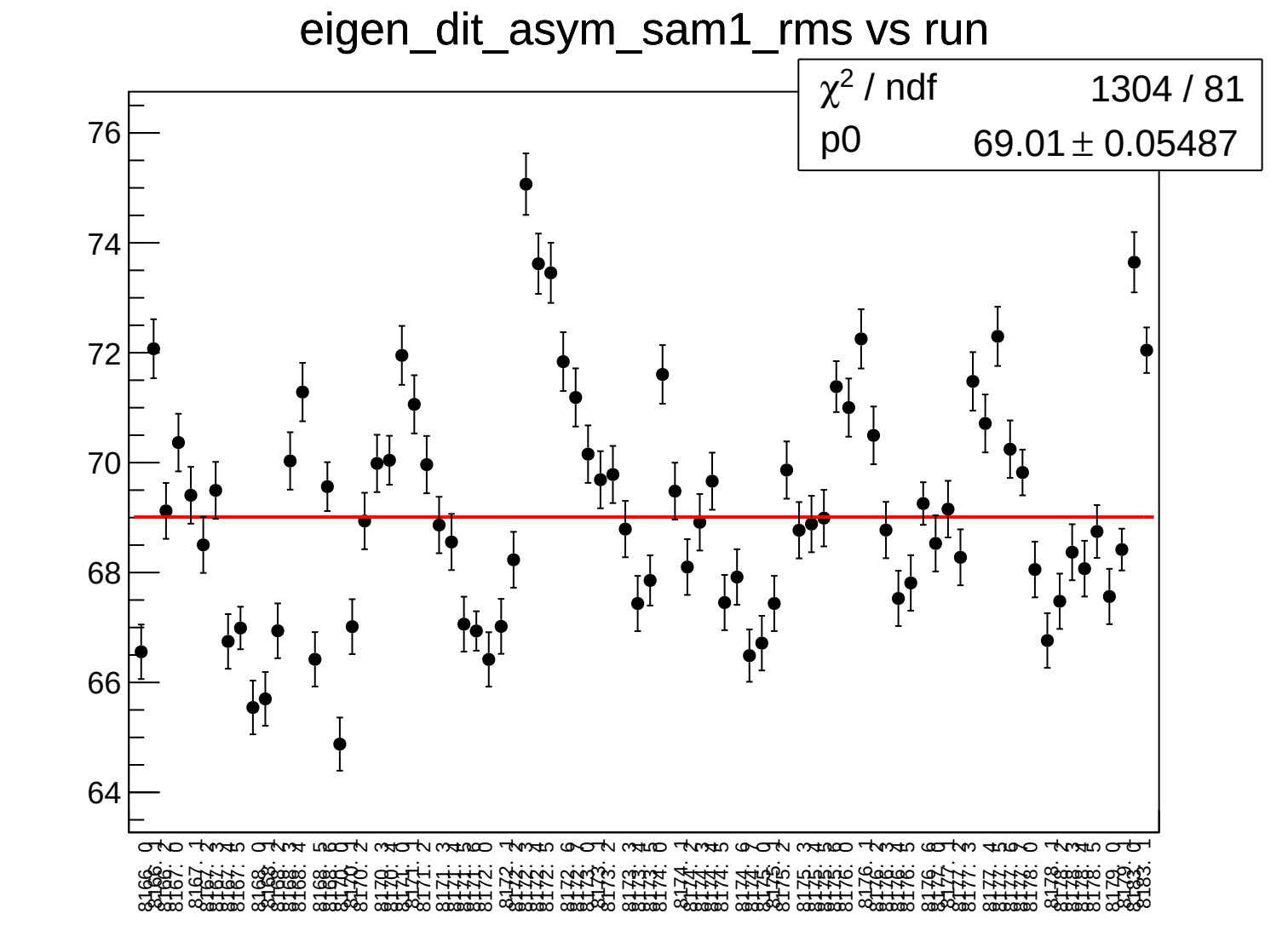

asym_sam1_dit_correction_mean vs run
χ² / ndf 87.71 / 81
p0 −567.5 ± 418.2
pull
Entries 82
Mean −29.85
Std Dev 0

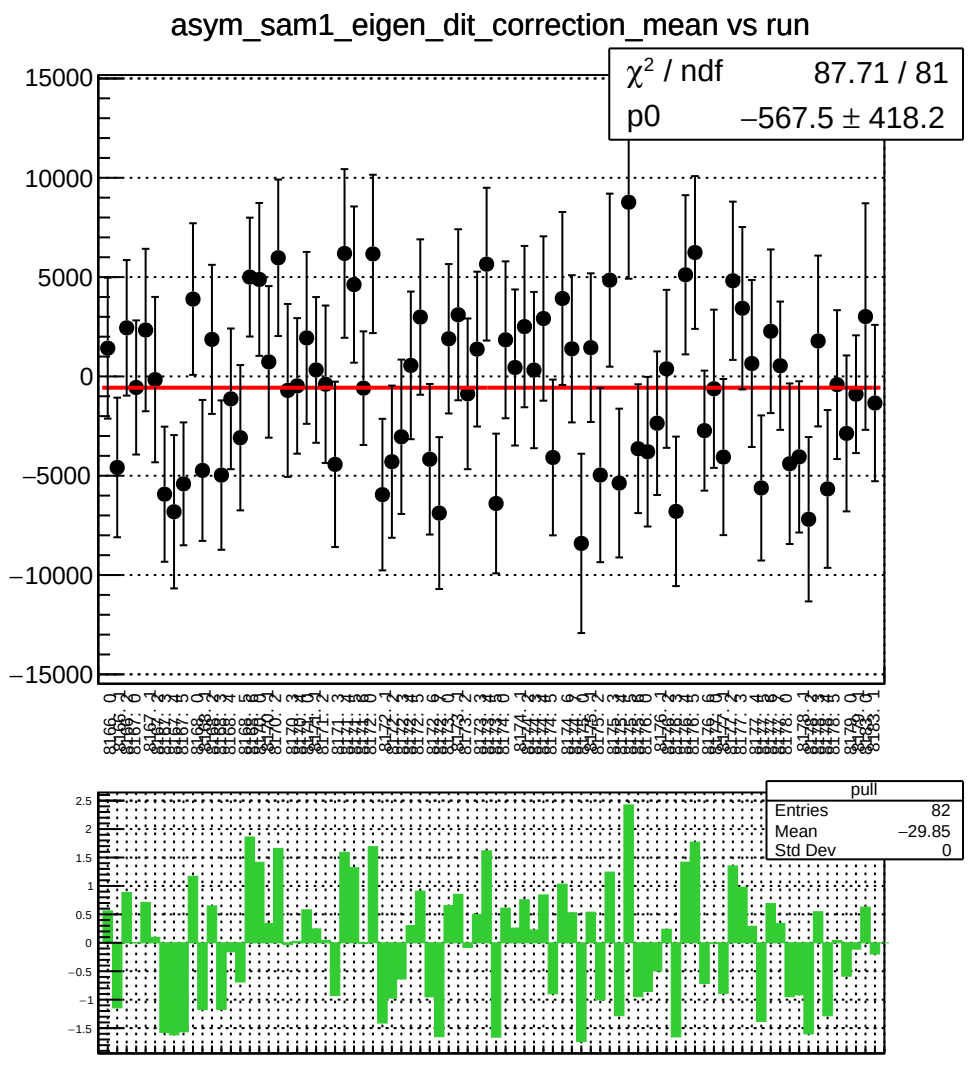

pull1D
Entries 82
Mean 0.01828
Std Dev 1.034

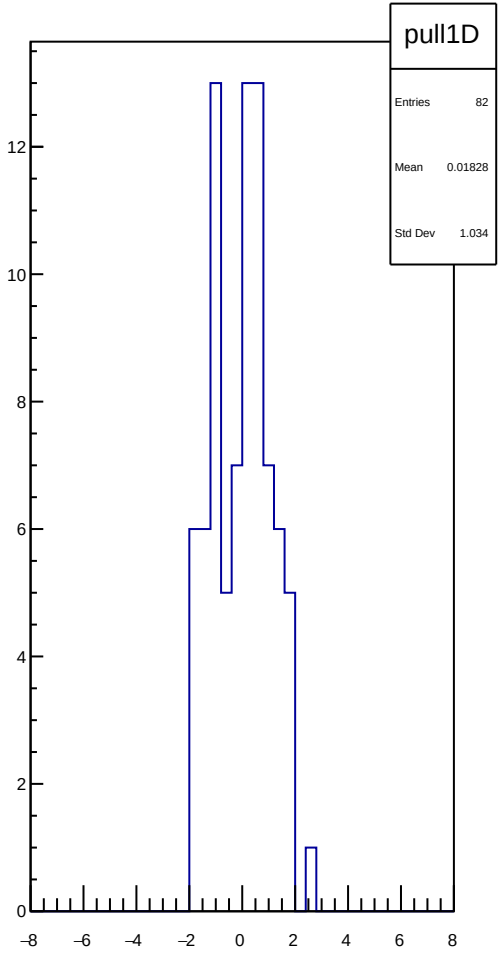

asym_sam1_dit_correction_rms vs run
χ² / ndf 8890 / 81
p0 371 ± 0.2957
550
500
450
400
350
300

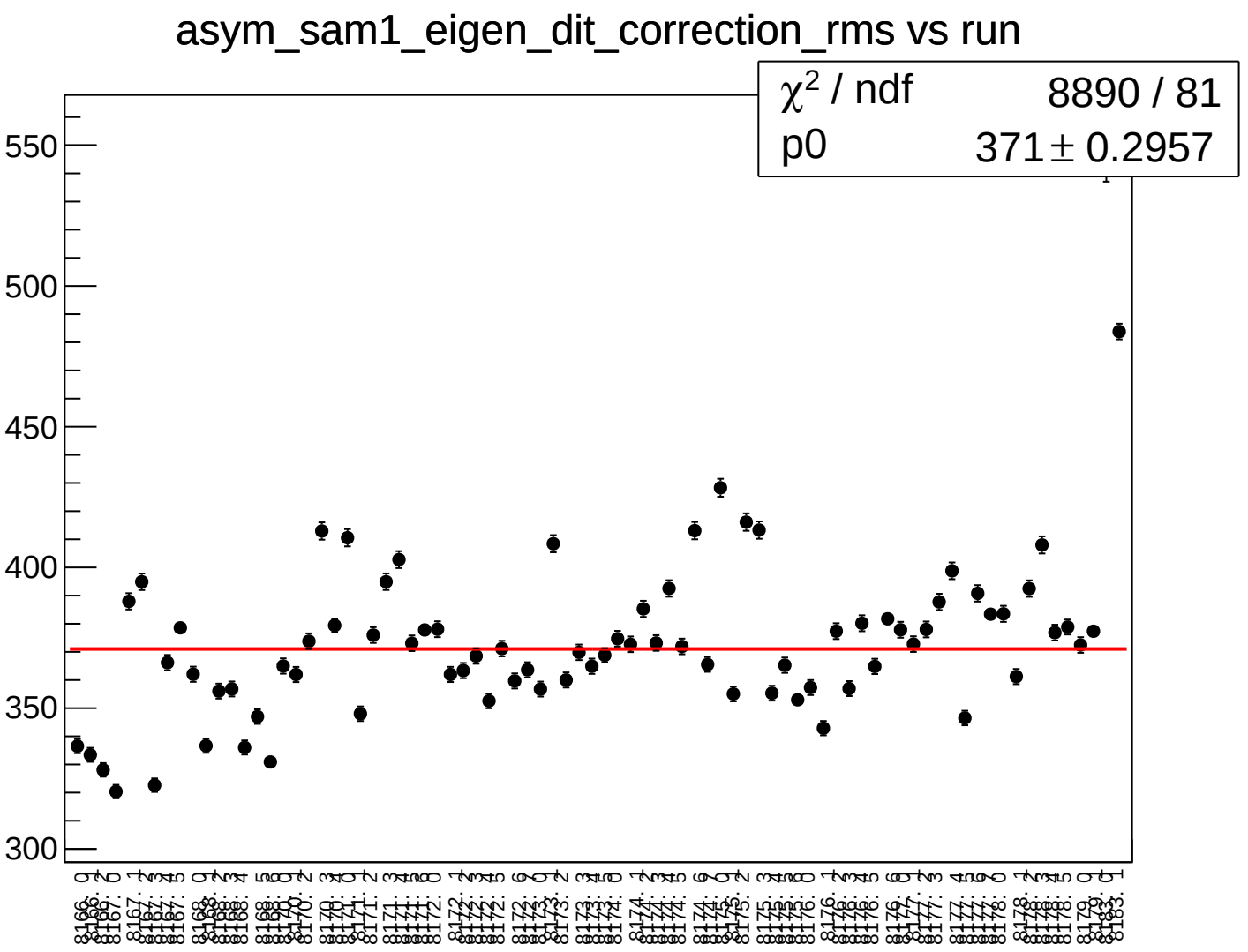

eigen_dit_asym_sam1_mean vs run
χ² / ndf 78.91 / 81
p0 36.21 ± 77.6
pull
Entries 82
Mean 465.9
Std Dev 0

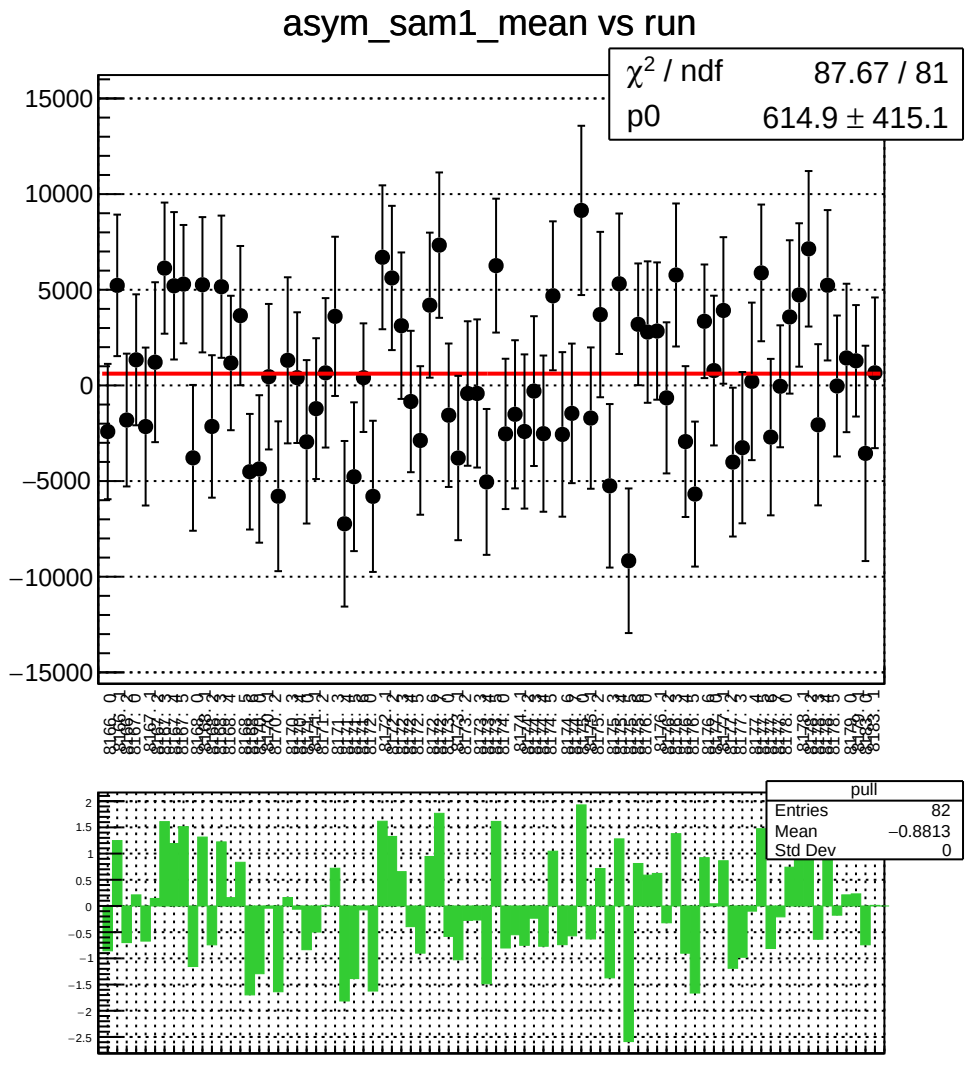

pull1D
Entries 82
Mean −0.005584
Std Dev 0.981

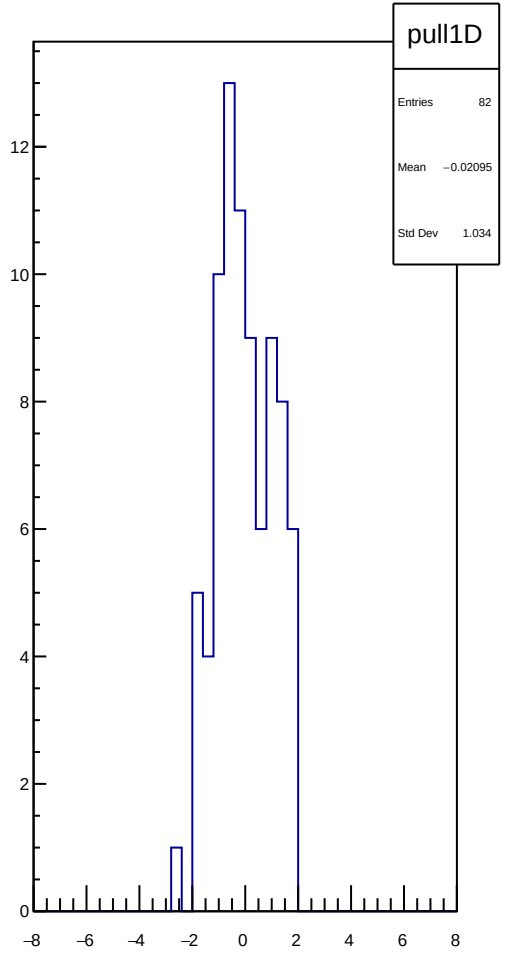

eigen_dit_asym_sam1_rms vs run
χ^2 / ndf 1304 / 81
p0 69.01 ± 0.05487
76
74
72
70
68
66
64

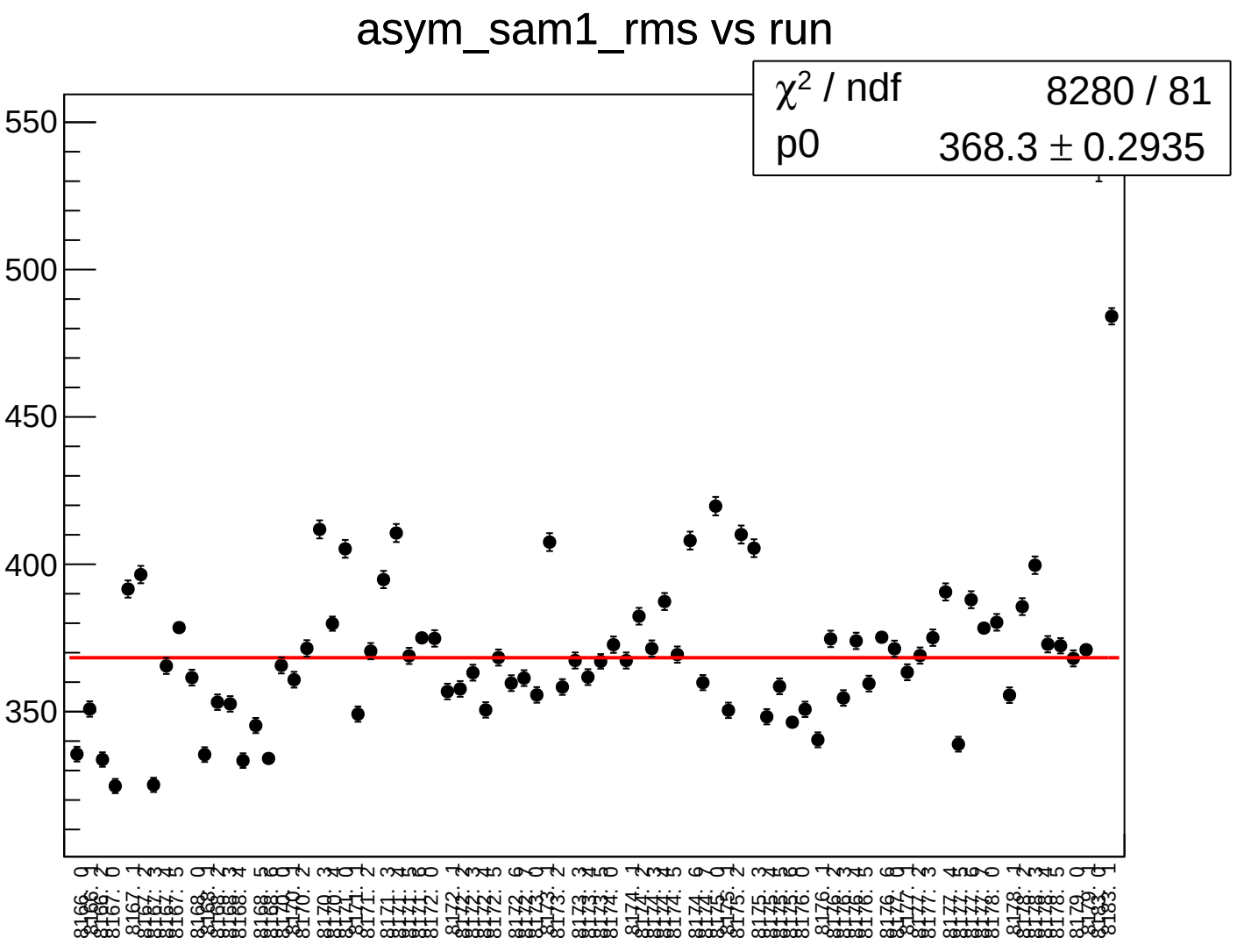

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 87.71 / 81
p0 −567.5 ± 418.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −29.85
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

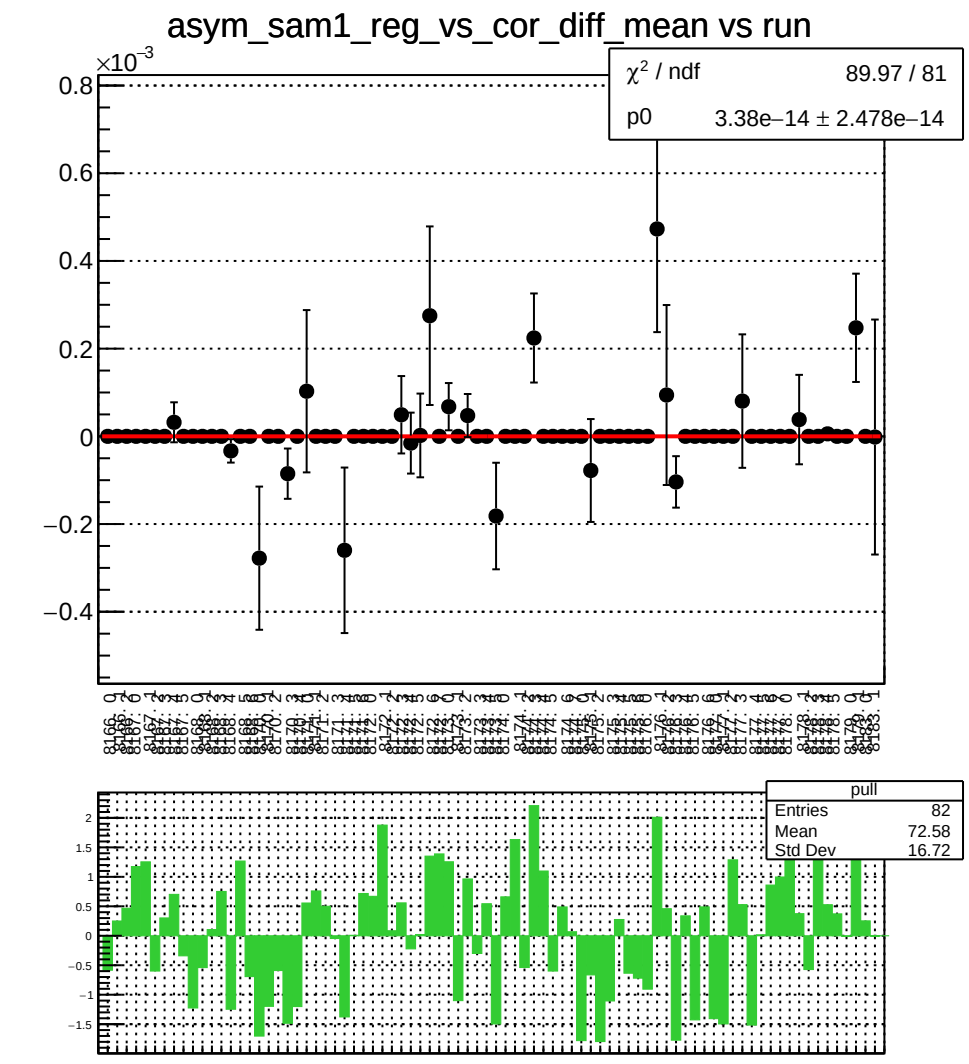

pull1D
Entries 82
Mean 0.01828
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

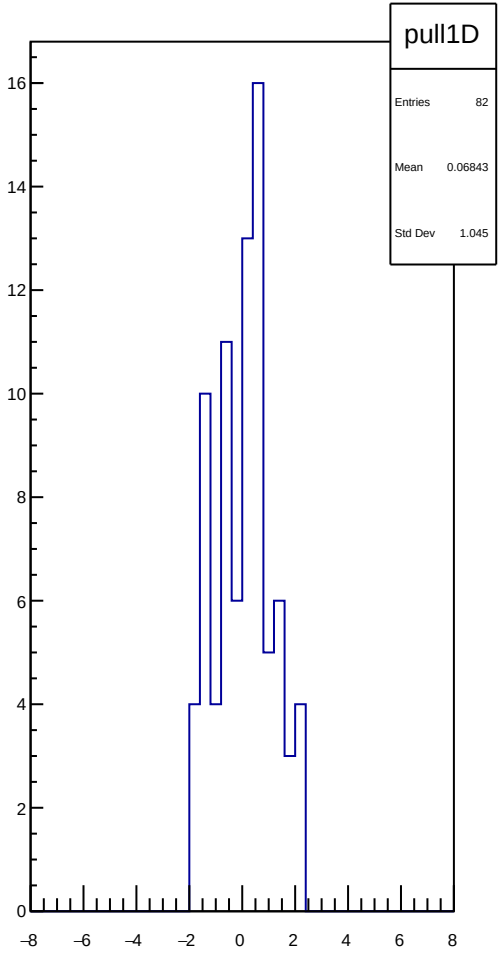

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 8890 / 81
p0 371 ± 0.2957
550
500
450
400
350
300

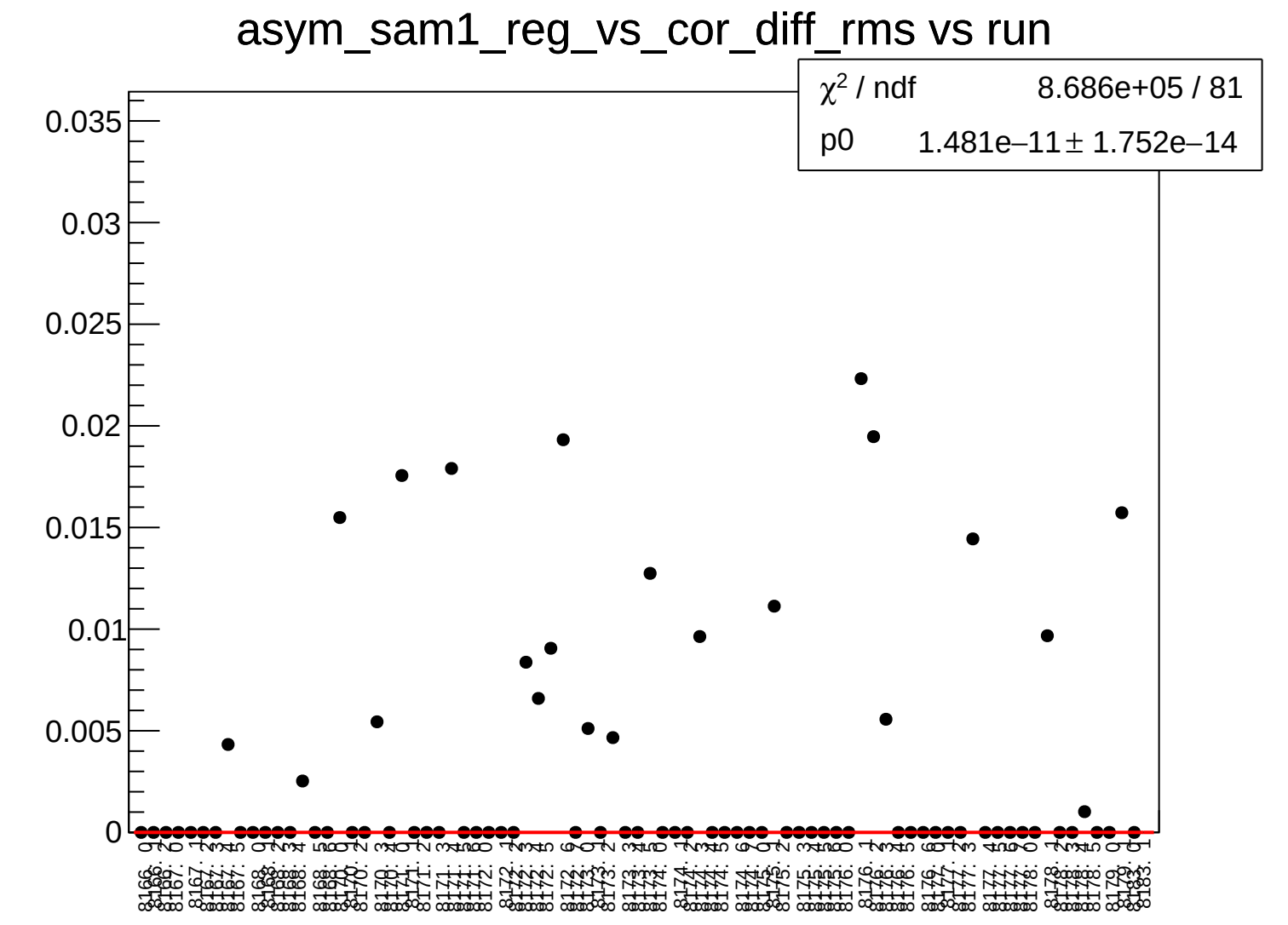

asym_sam1_mean vs run
χ² / ndf 87.67 / 81
p0 614.9 ± 415.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −0.8813
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

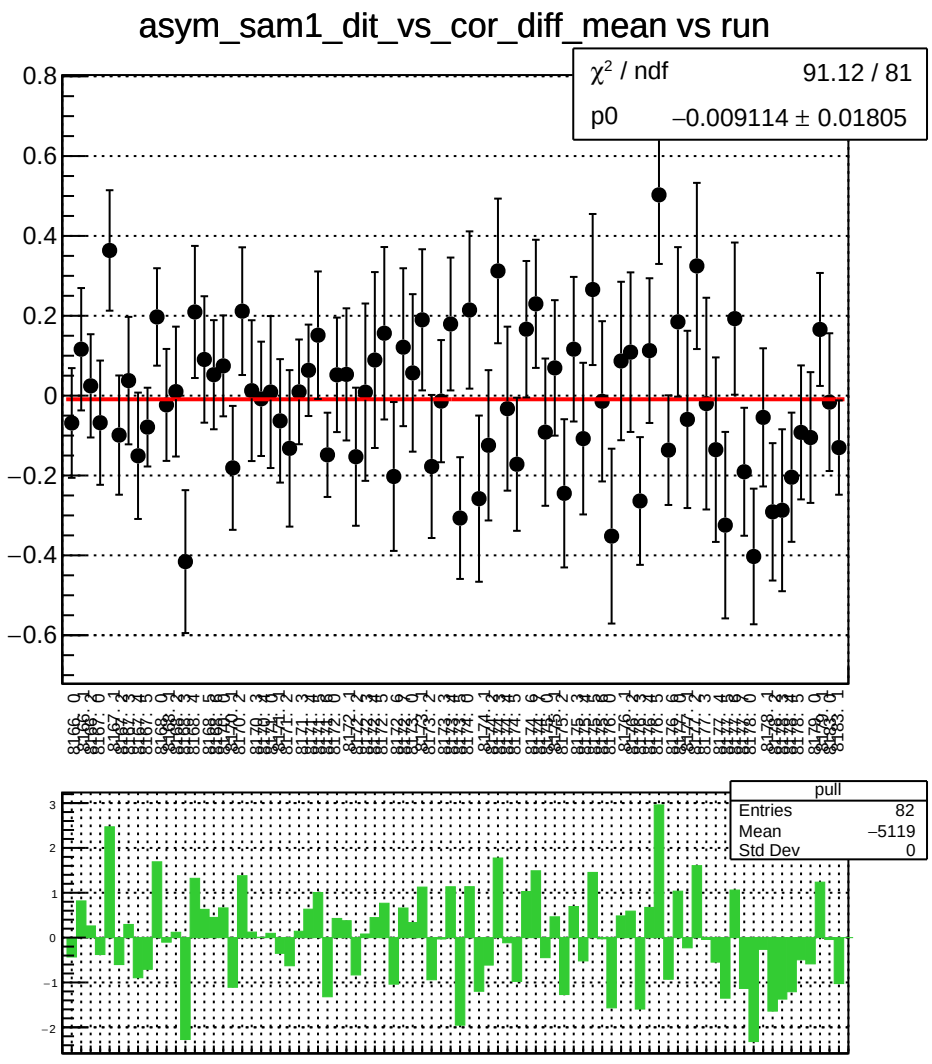

pull1D
Entries 82
Mean −0.02095
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

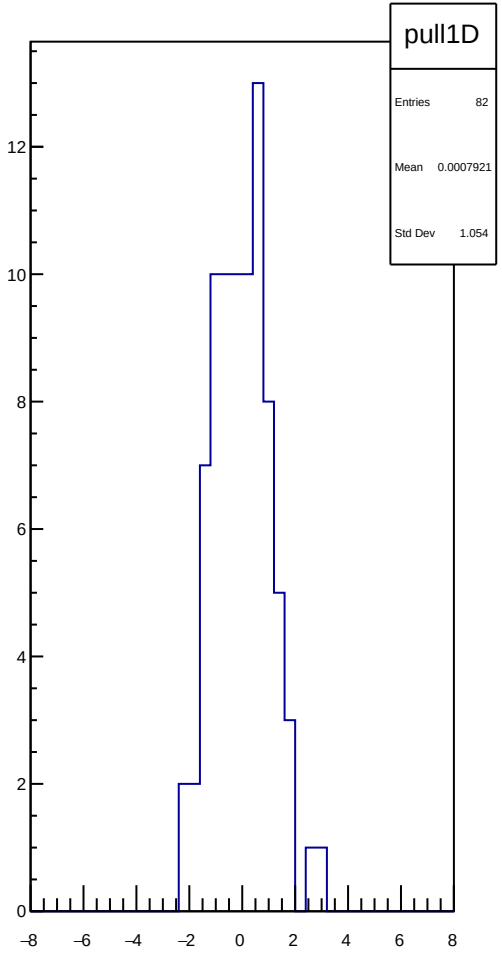

asym_sam1_rms vs run
χ² / ndf 8280 / 81
p0 368.3 ± 0.2935
550
500
450
400
350

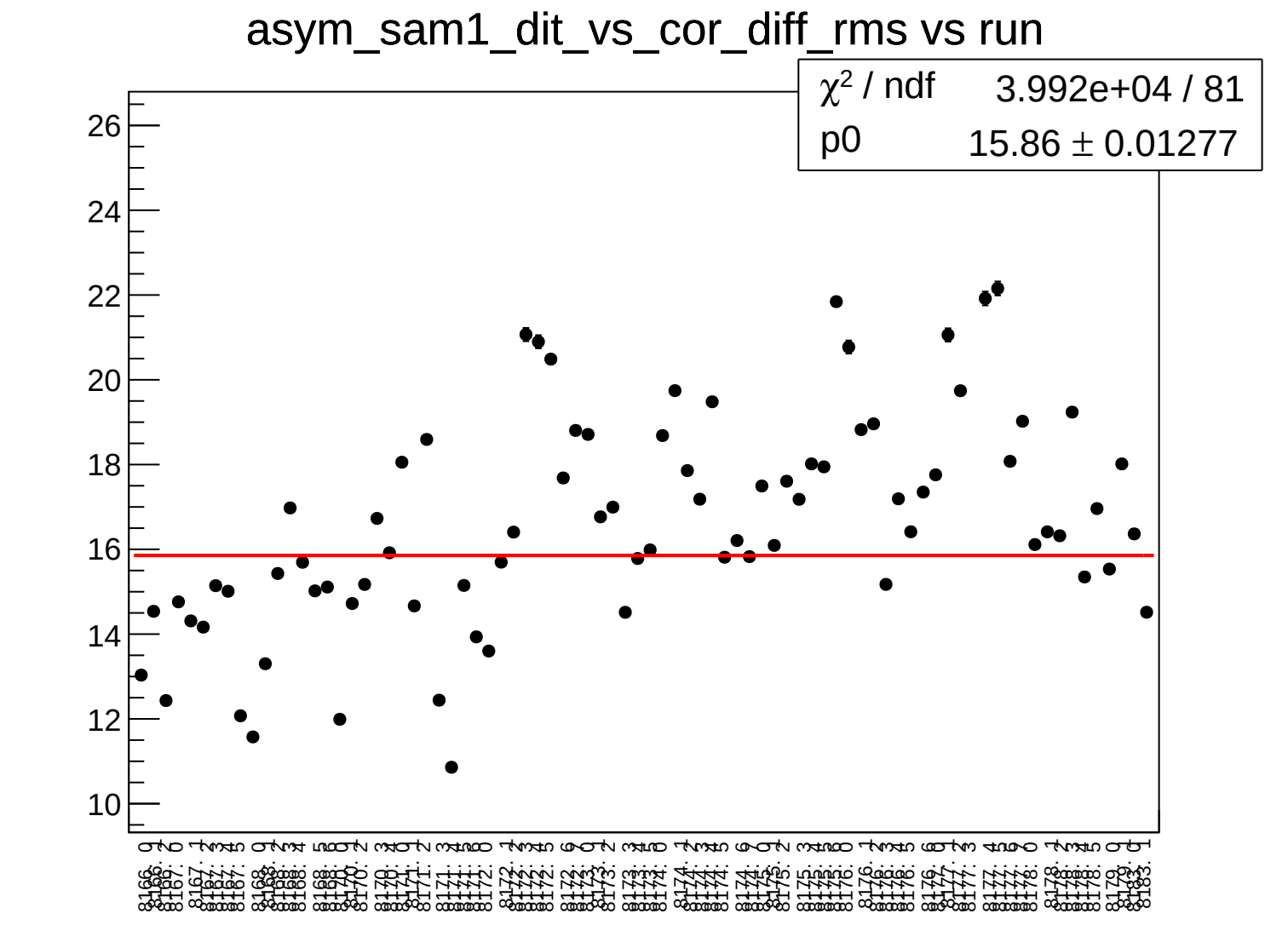

asym_sam1_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 89.97 / 81
p0 3.38e−14 ± 2.478e−14
pull
Entries 82
Mean 72.58
Std Dev 16.72

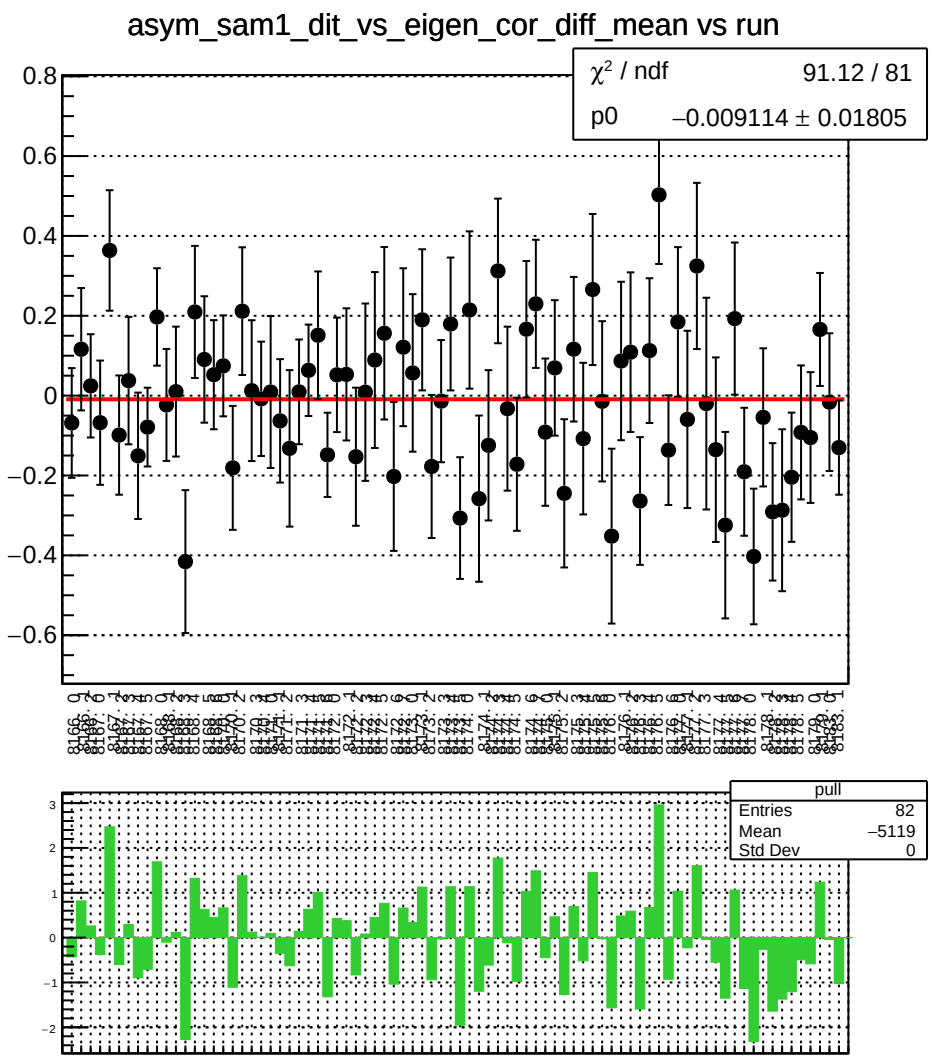

pull1D
Entries 82
Mean 0.06843
Std Dev 1.045

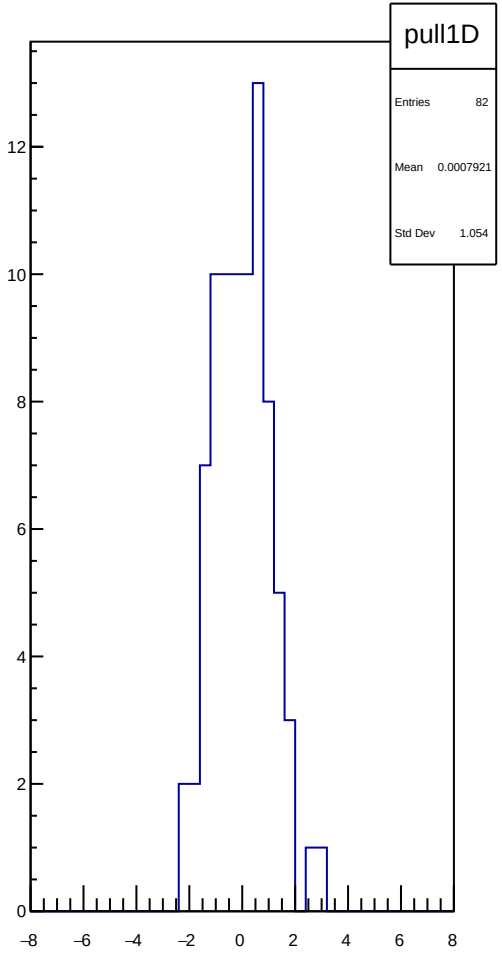

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 8.686e+05 / 81
p0 1.481e−11 ± 1.752e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

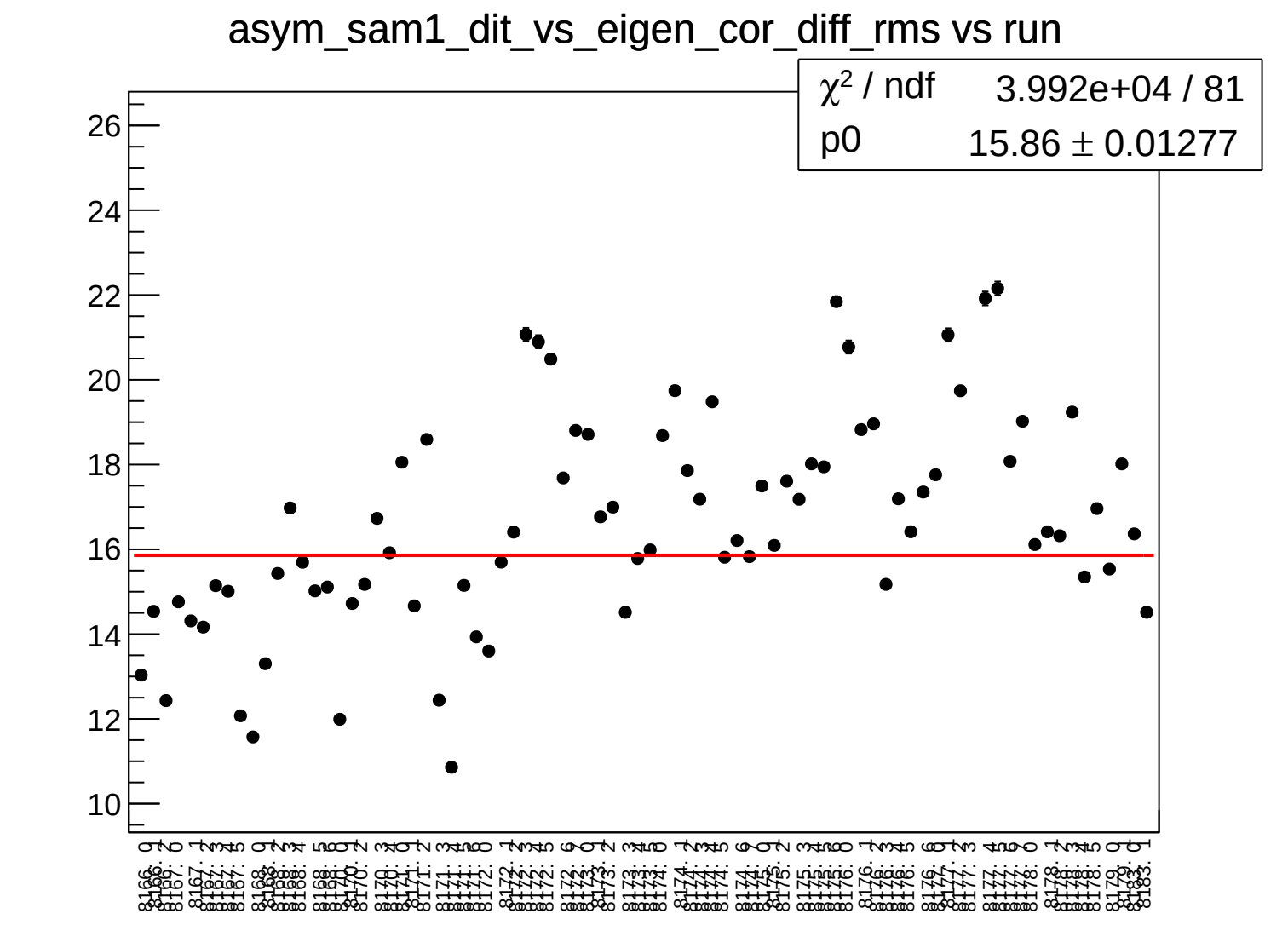

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 91.12 / 81
p0 −0.009114 ± 0.01805
pull
Entries 82
Mean −5119
Std Dev 0

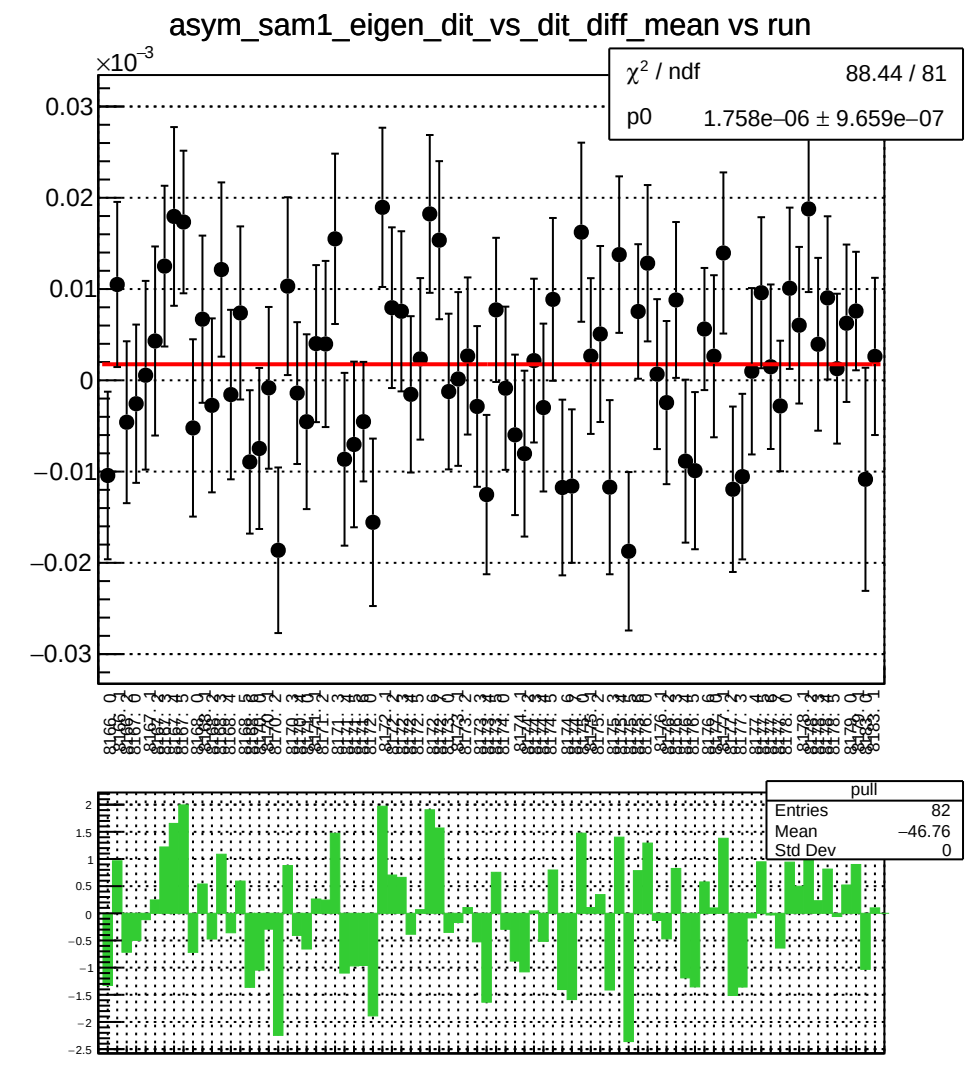

pull1D
Entries 82
Mean 0.0007921
Std Dev 1.054

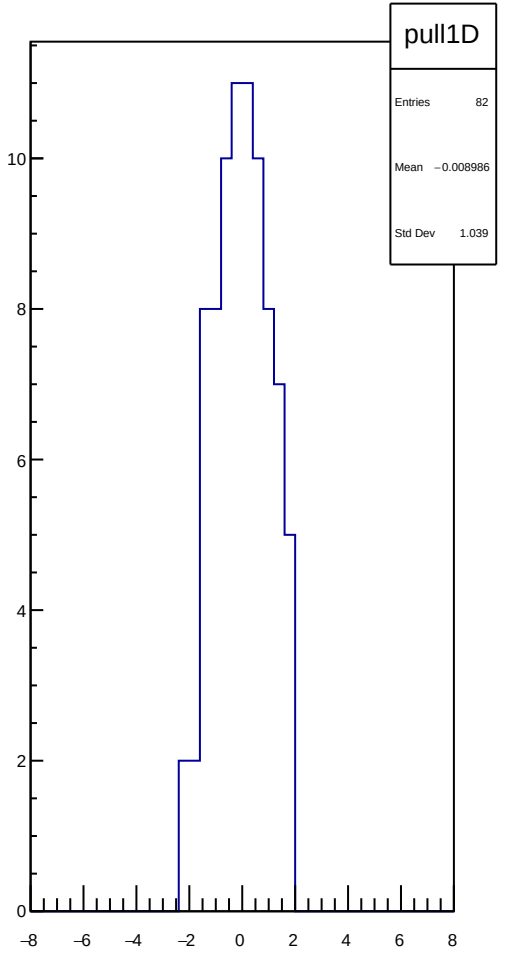

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 3.992e+04 / 81
p0 15.86 ± 0.01277
26
24
22
20
18
16
14
12
10

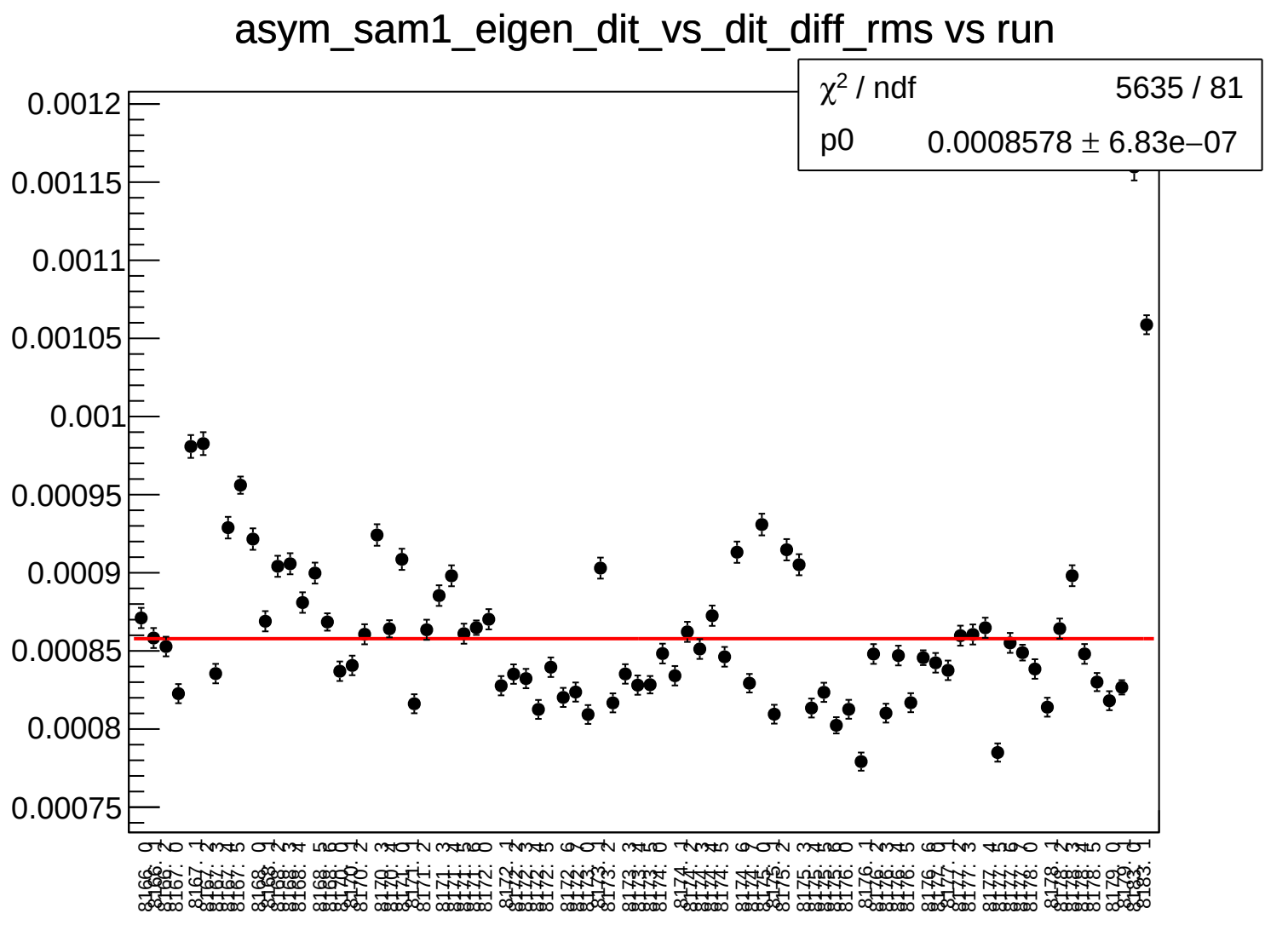

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.12 / 81
p0 −0.009114 ± 0.01805
pull
Entries 82
Mean −5119
Std Dev 0

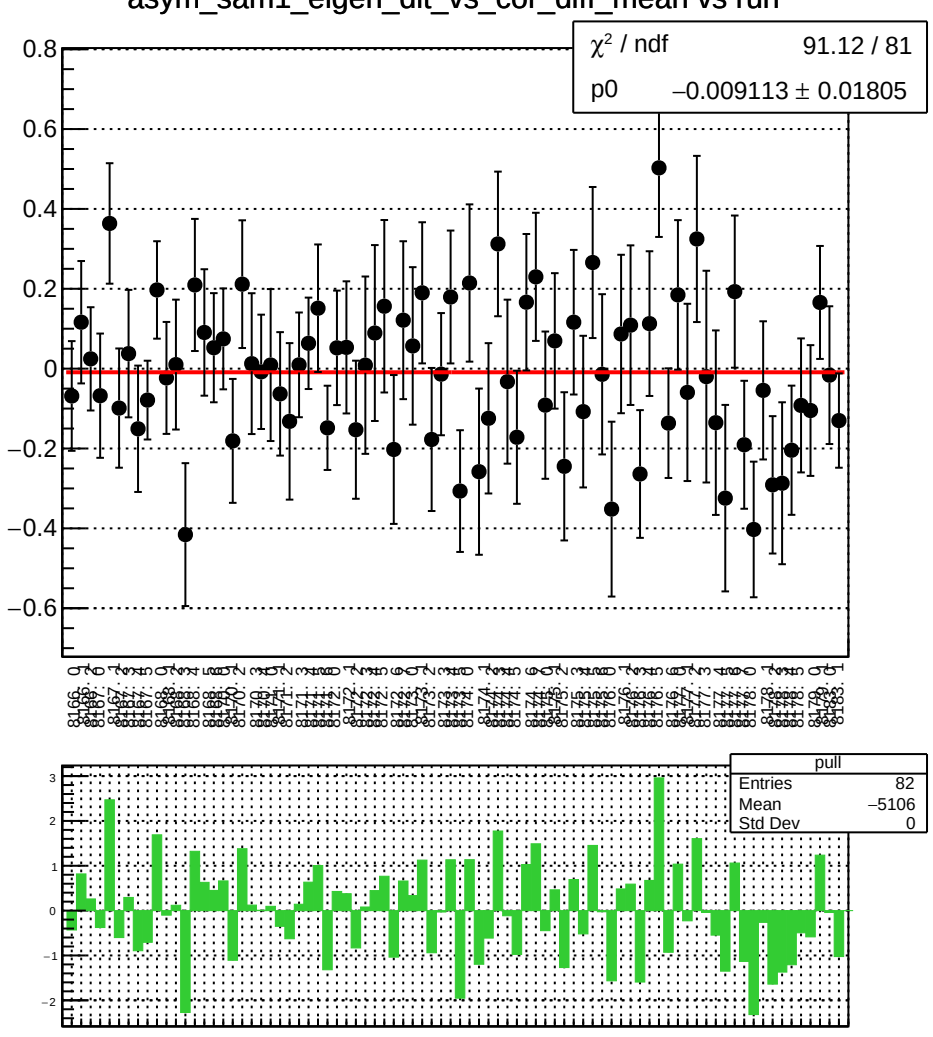

pull1D
Entries 82
Mean 0.0007921
Std Dev 1.054

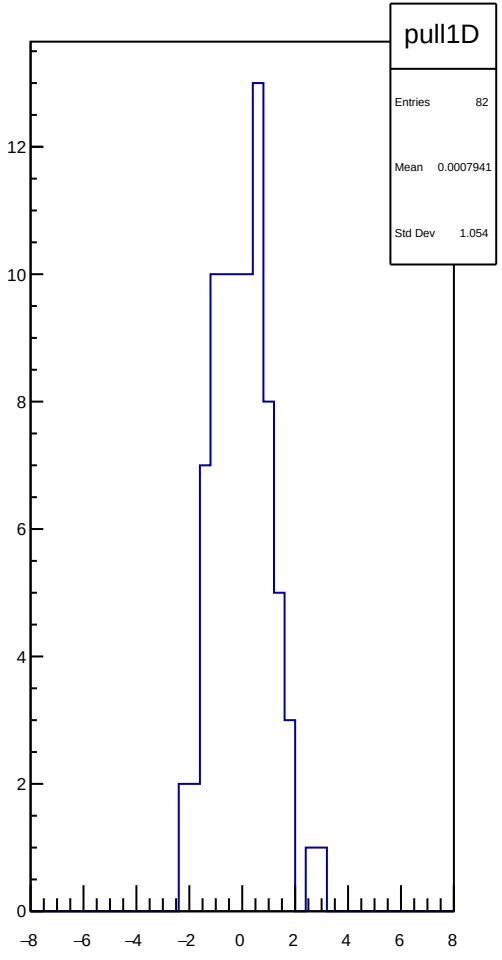

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.992e+04 / 81
p0 15.86 ± 0.01277
26
24
22
20
18
16
14
12
10

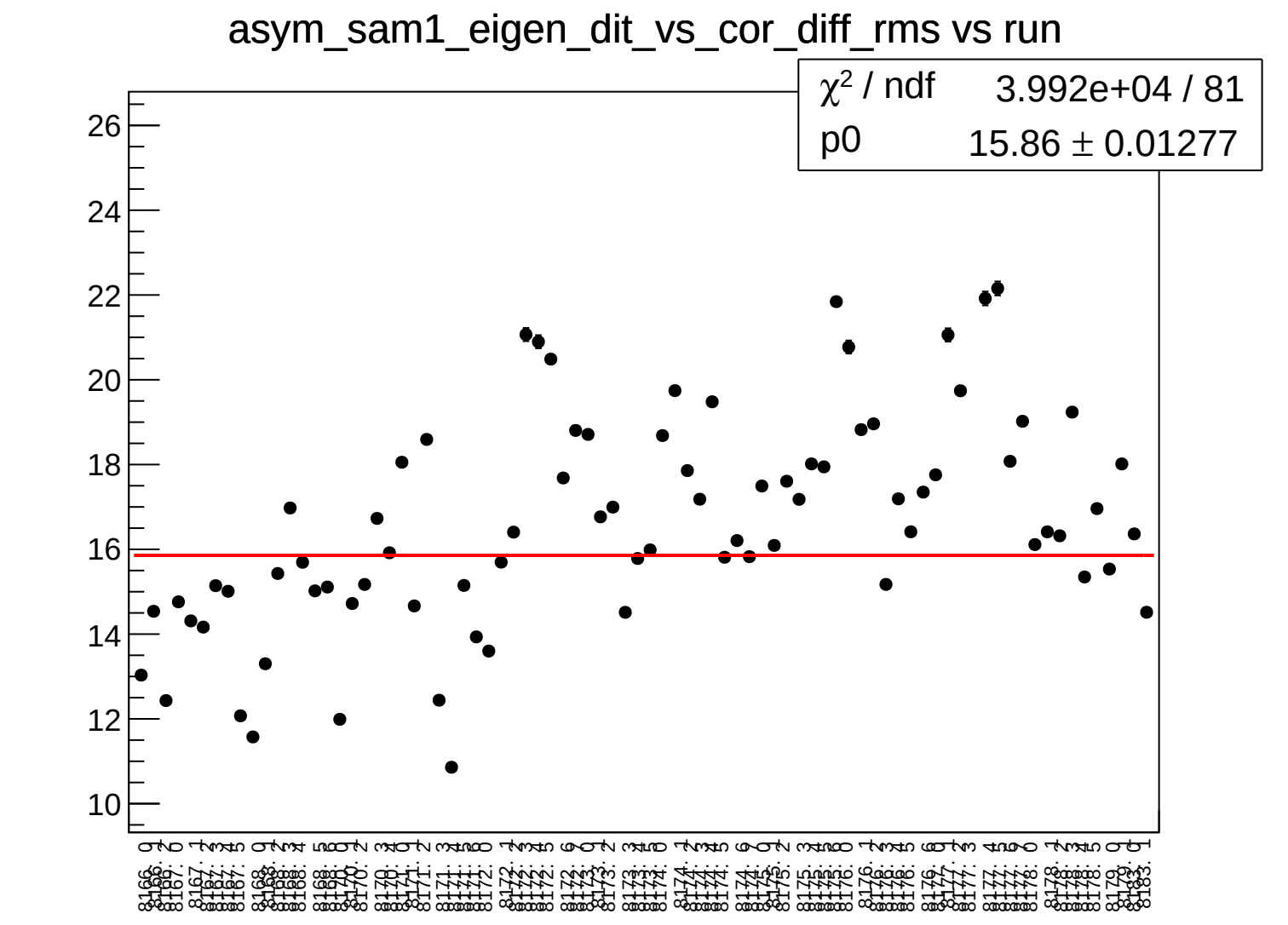

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.44 / 81
p0 1.758e−06 ± 9.659e−07
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 82
Mean −46.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

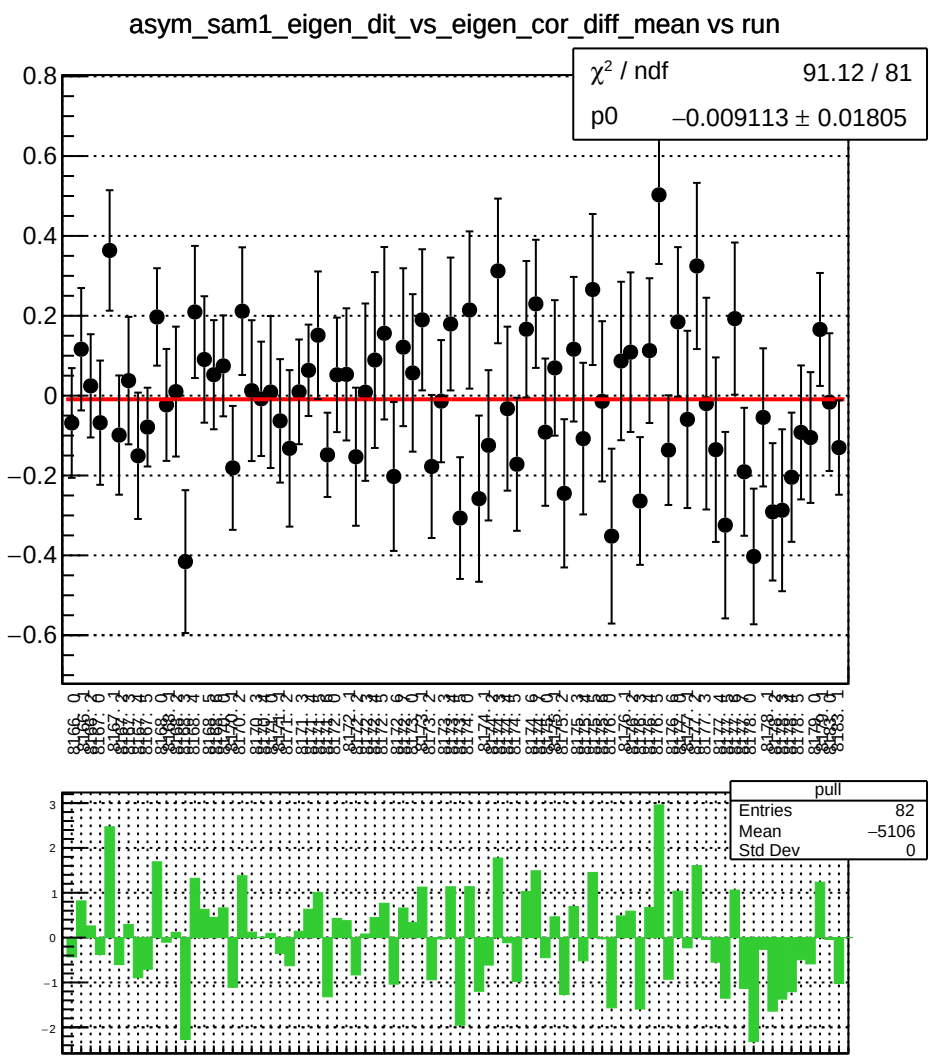

pull1D
Entries 82
Mean −0.008986
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

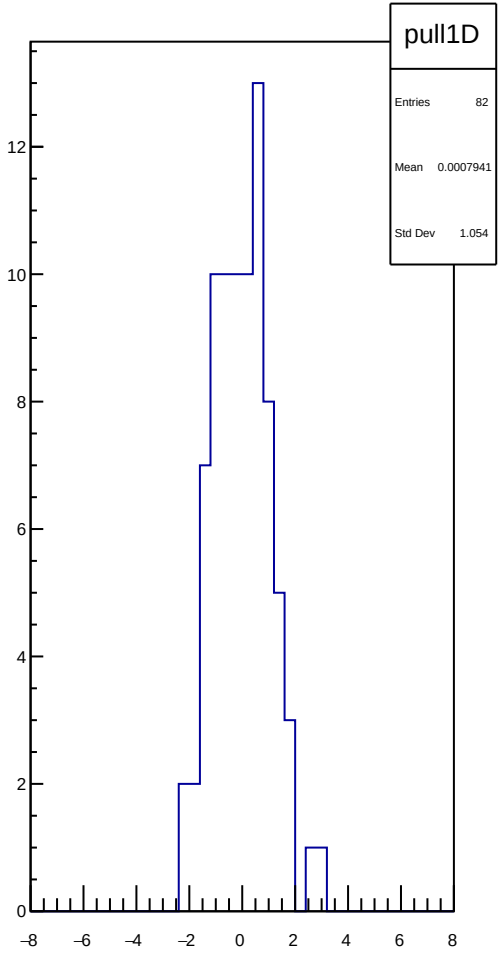

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5635 / 81
p0 0.0008578 ± 6.83e−07
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
0.00075

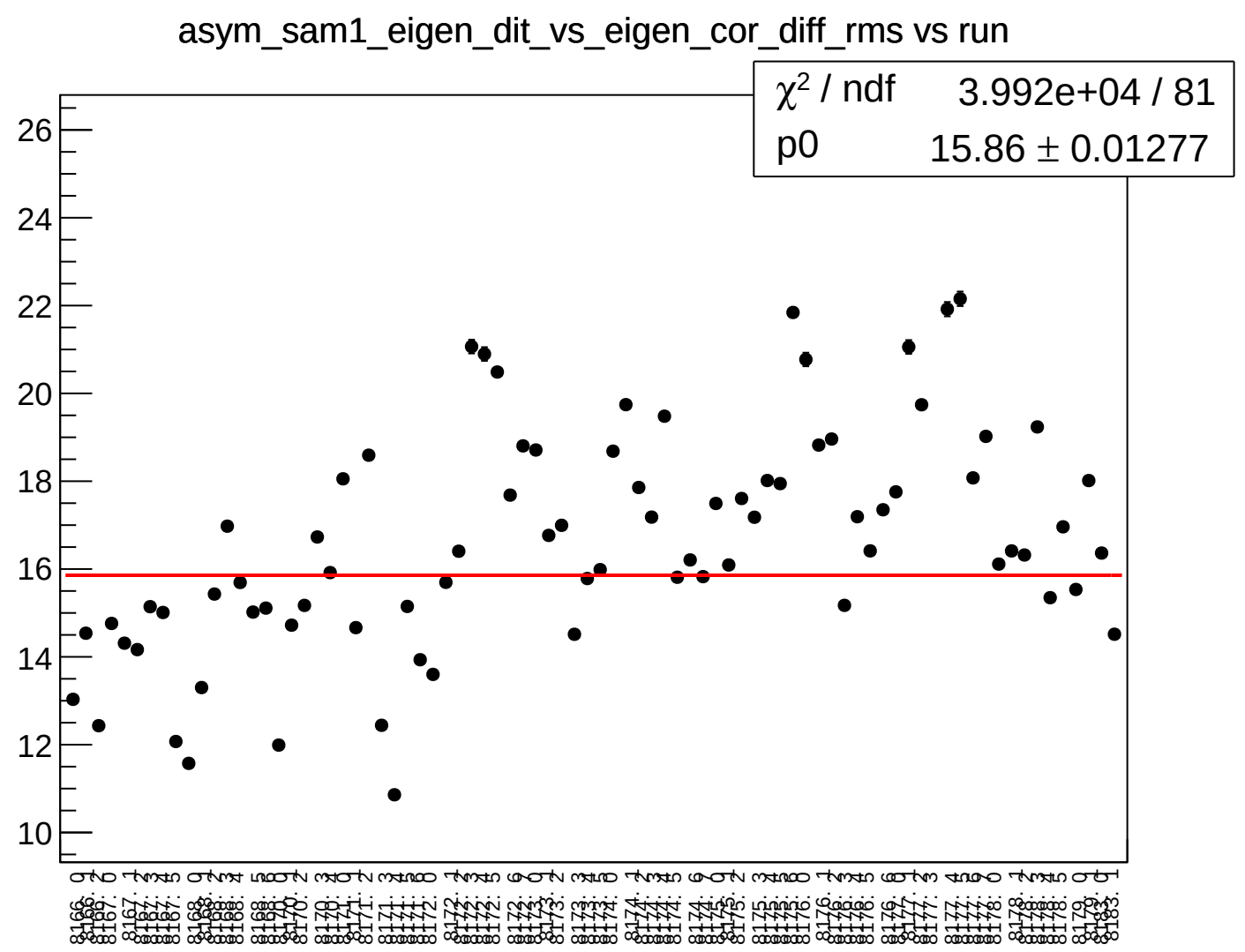

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.12 / 81
p0 −0.009113 ± 0.01805
pull
Entries 82
Mean −5106
Std Dev 0

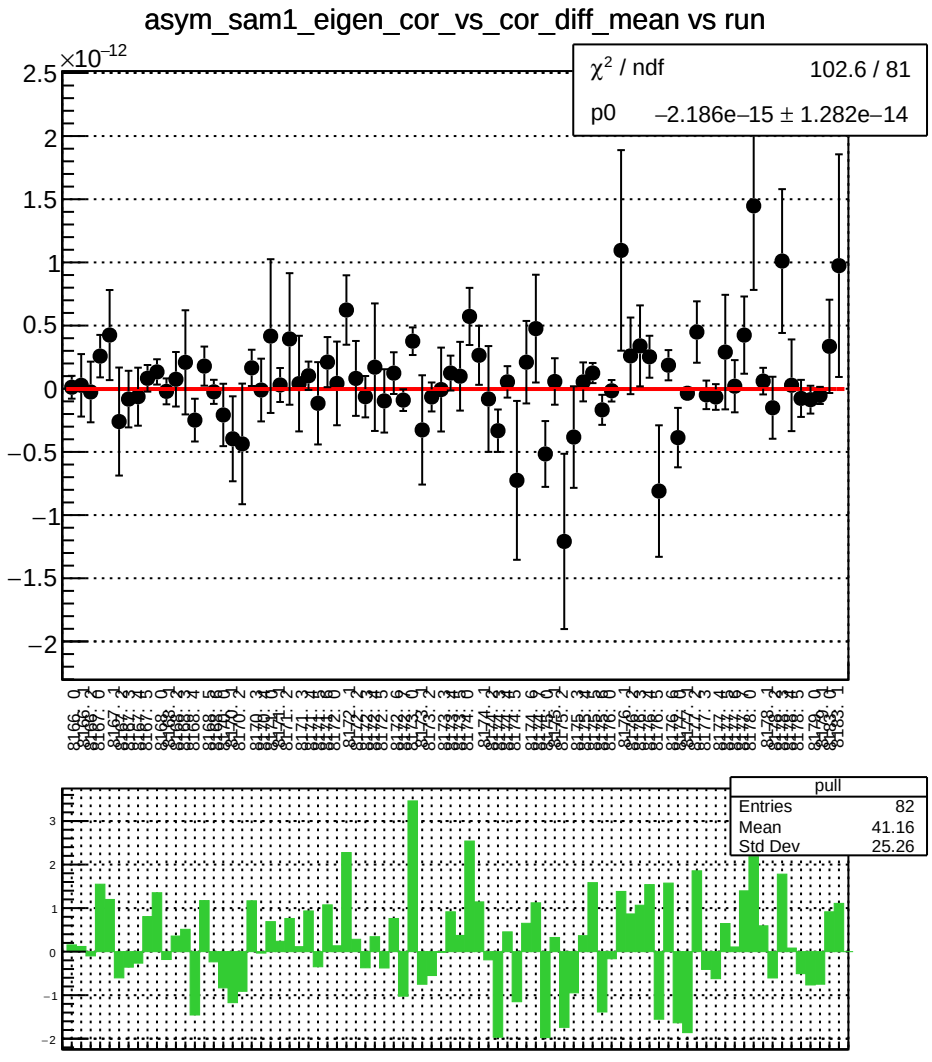

pull1D
Entries 82
Mean 0.0007941
Std Dev 1.054

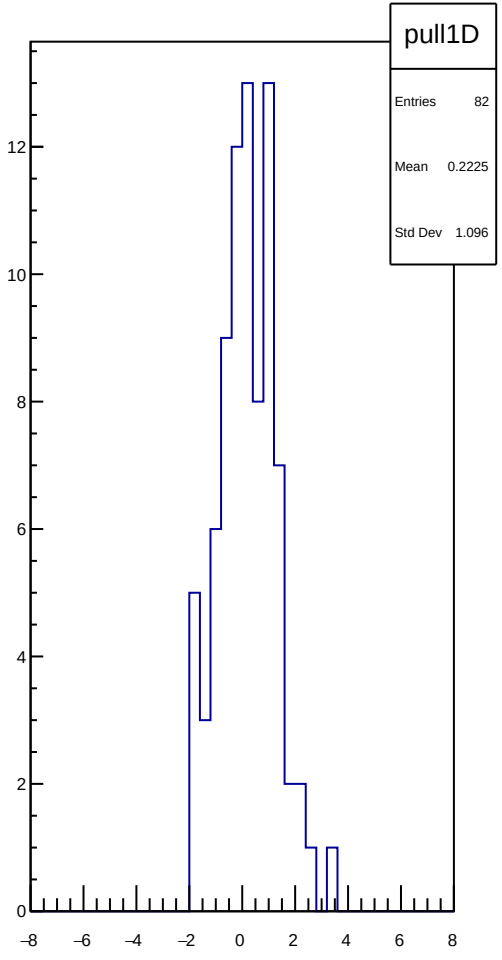

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.992e+04 / 81
p0 15.86 ± 0.01277
26
24
22
20
18
16
14
12
10

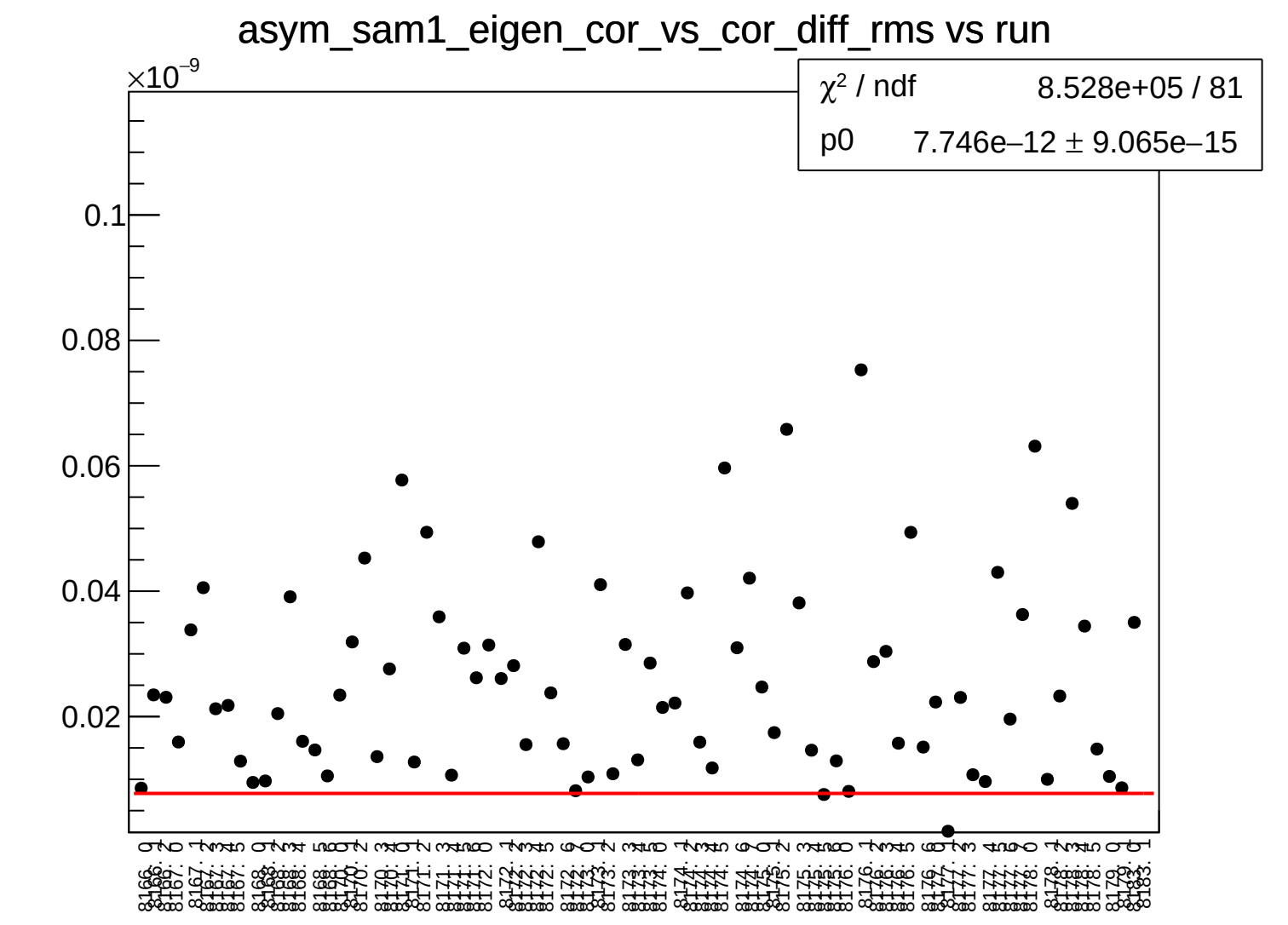

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.12 / 81
p0 −0.009113 ± 0.01805
pull
Entries 82
Mean −5106
Std Dev 0

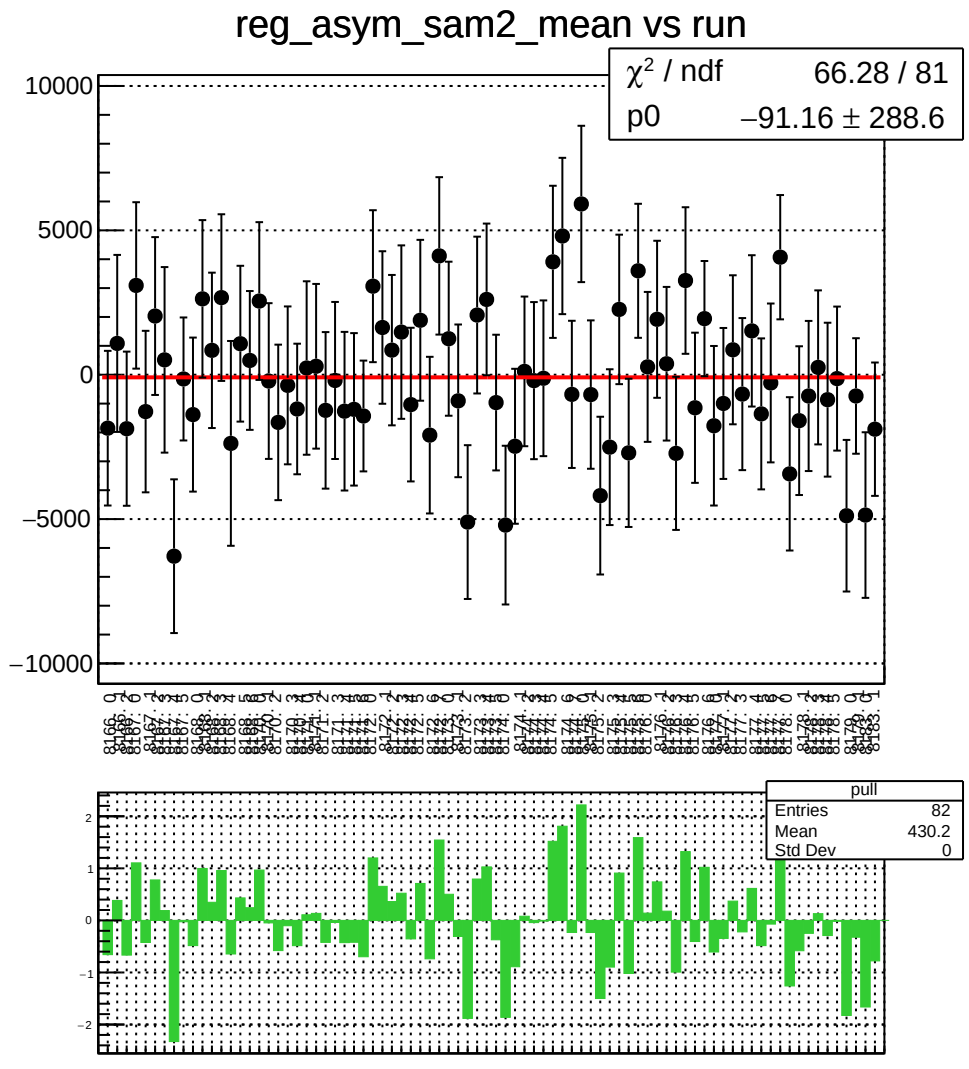

pull1D
Entries 82
Mean 0.0007941
Std Dev 1.054

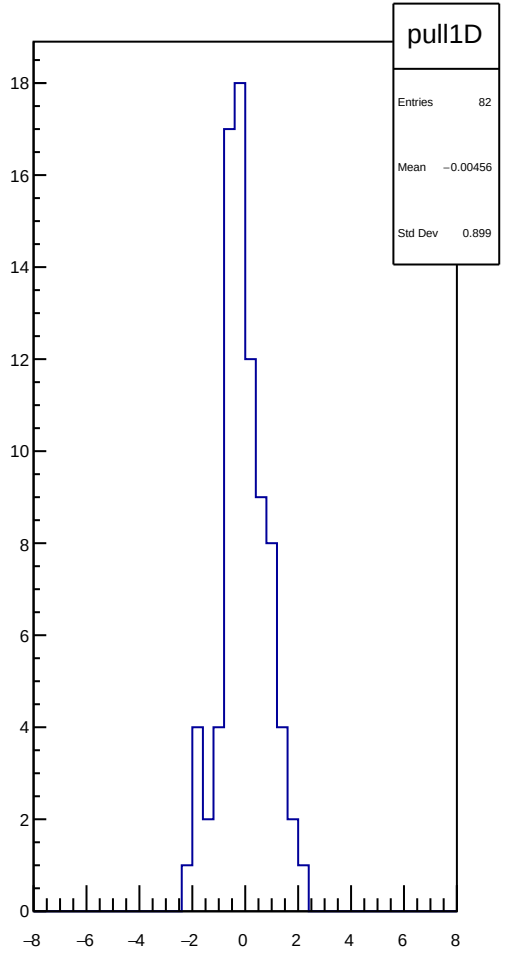

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.992e+04 / 81
p0 15.86 ± 0.01277
26
24
22
20
18
16
14
12
10

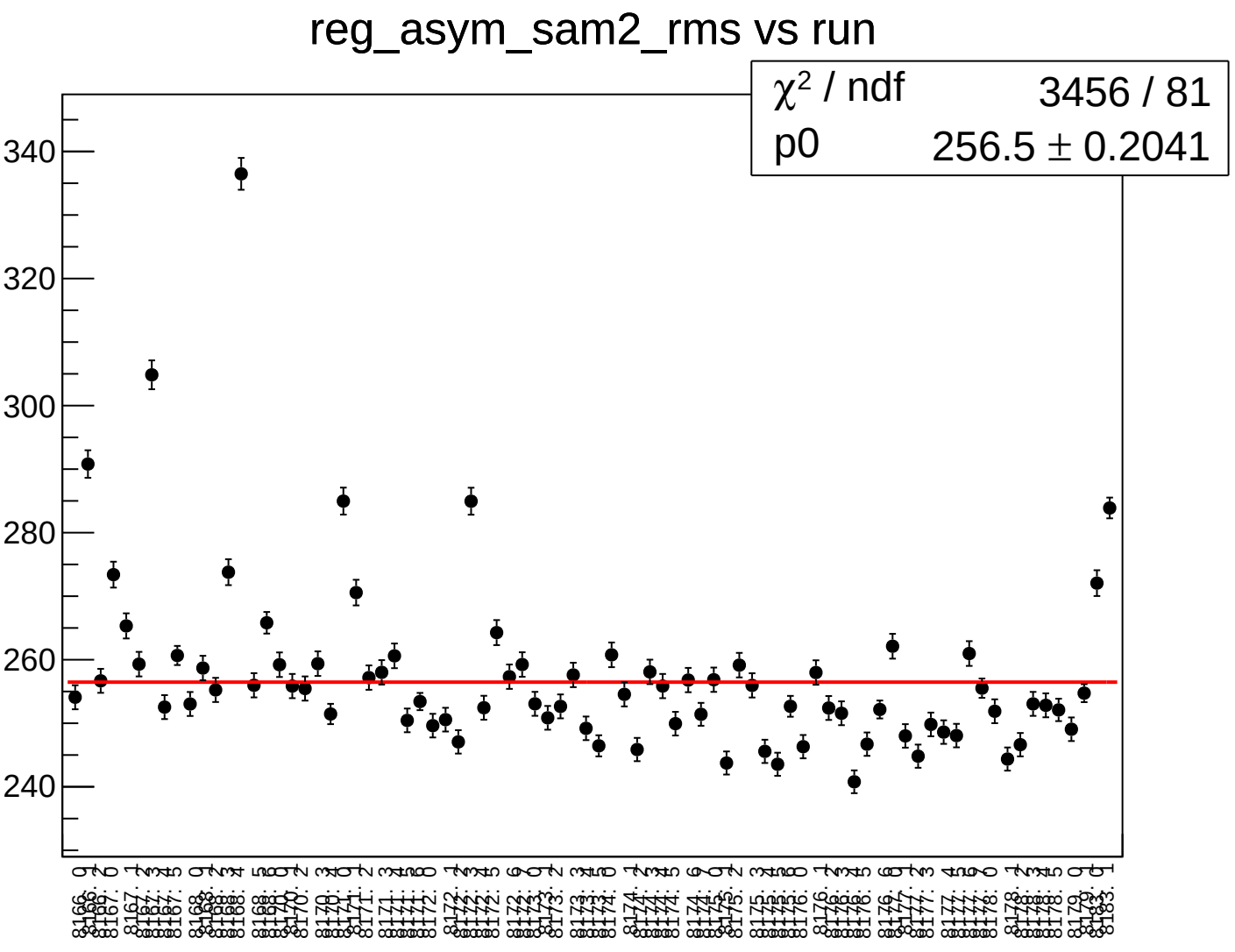

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 102.6 / 81
p0 −2.186e−15 ± 1.282e−14
pull
Entries 82
Mean 41.16
Std Dev 25.26

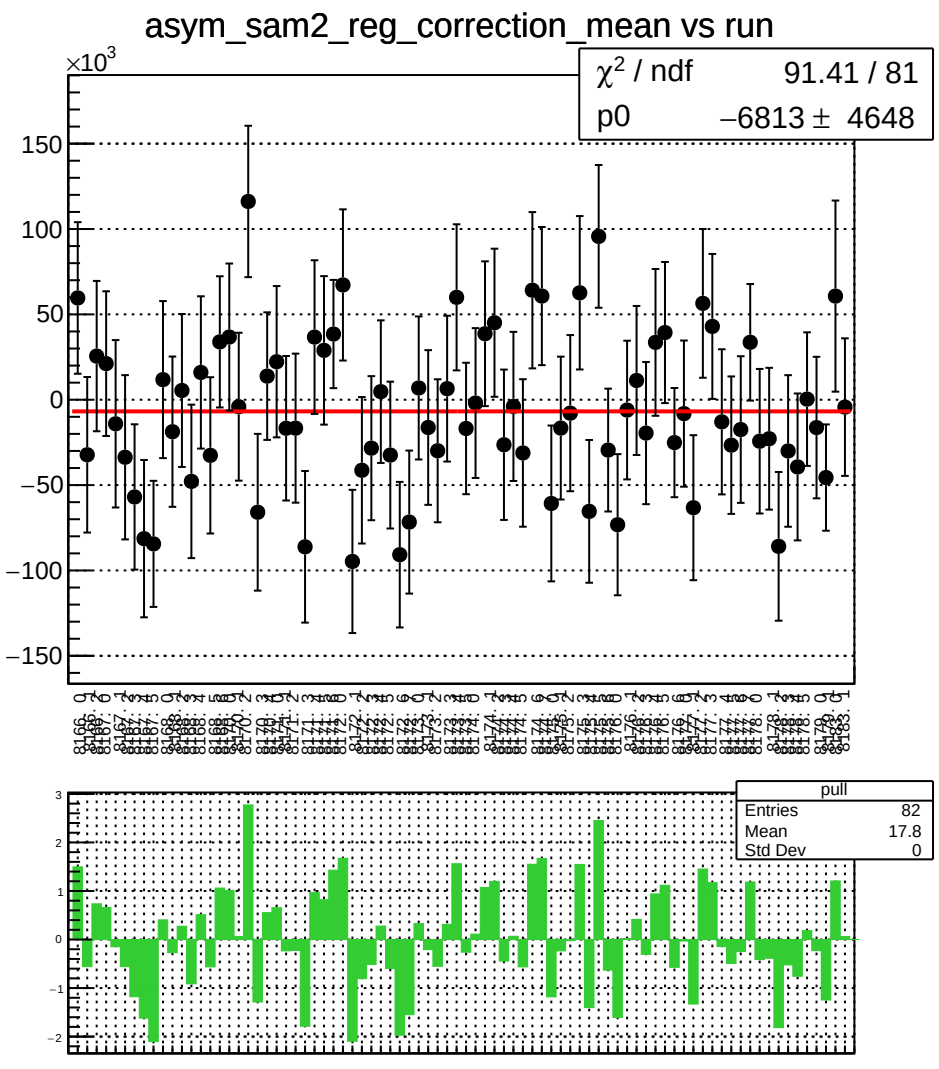

pull1D
Entries 82
Mean 0.2225
Std Dev 1.096

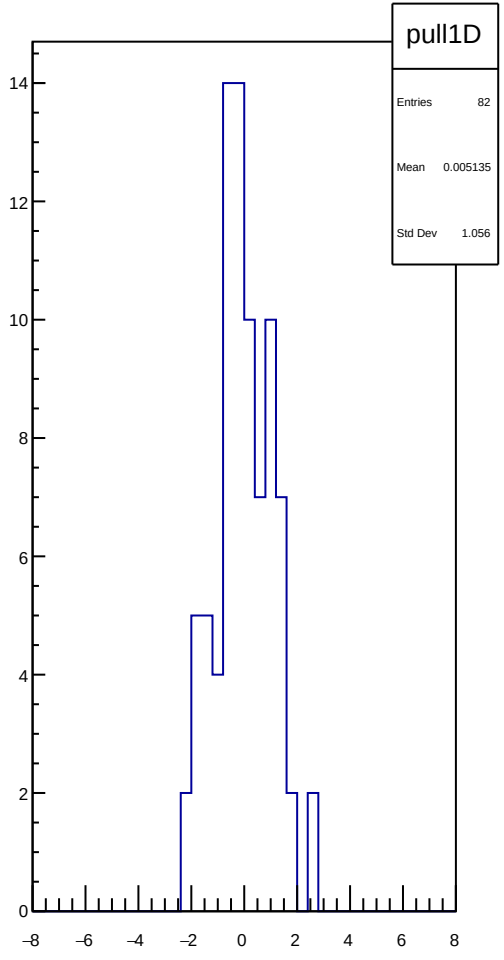

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.528e+05 / 81
p0 7.746e−12 ± 9.065e−15
0.1
0.08
0.06
0.04
0.02

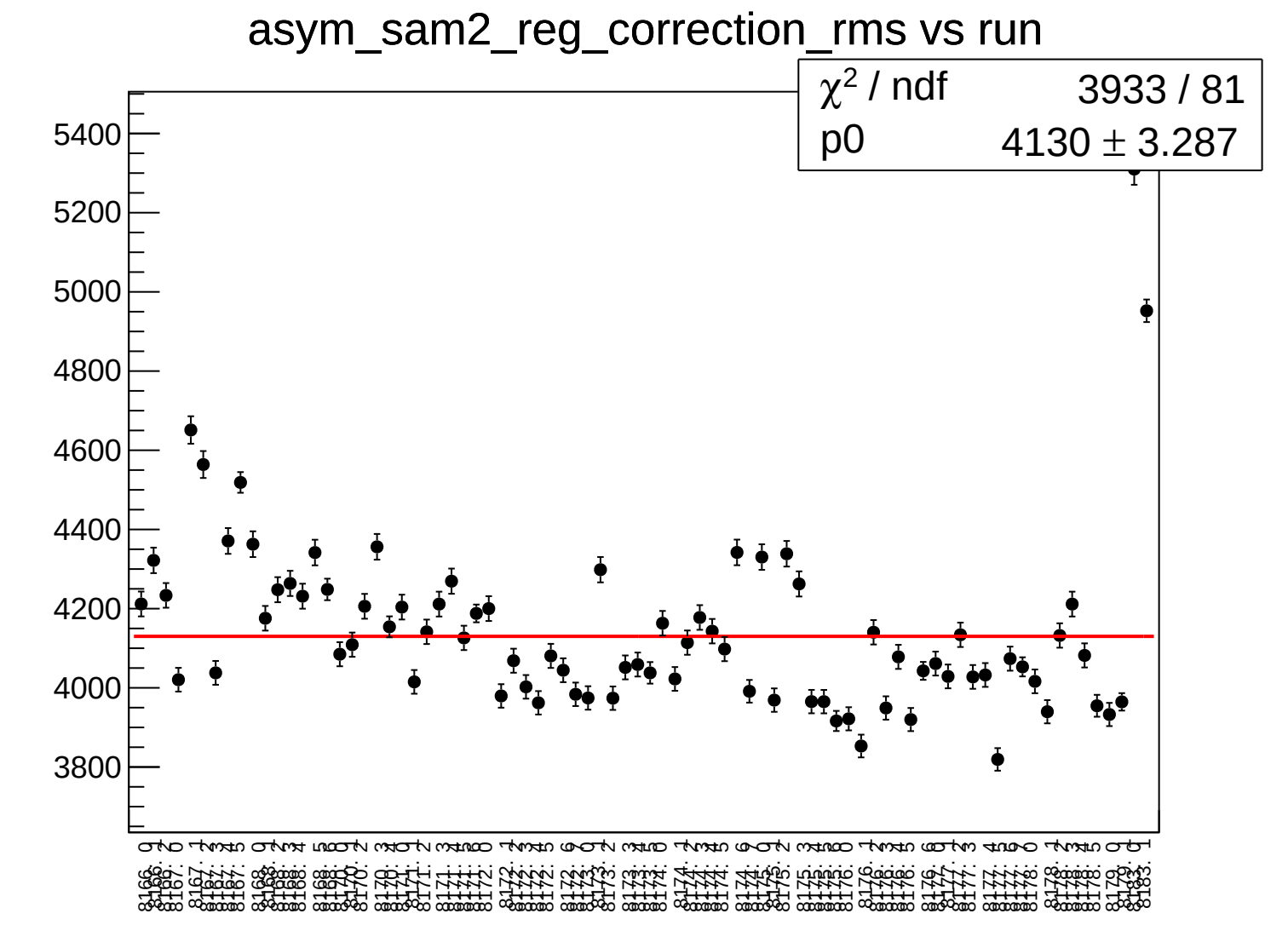

reg_asym_sam2_mean vs run
χ² / ndf 66.28 / 81
p0 −91.16 ± 288.6
pull
Entries 82
Mean 430.2
Std Dev 0

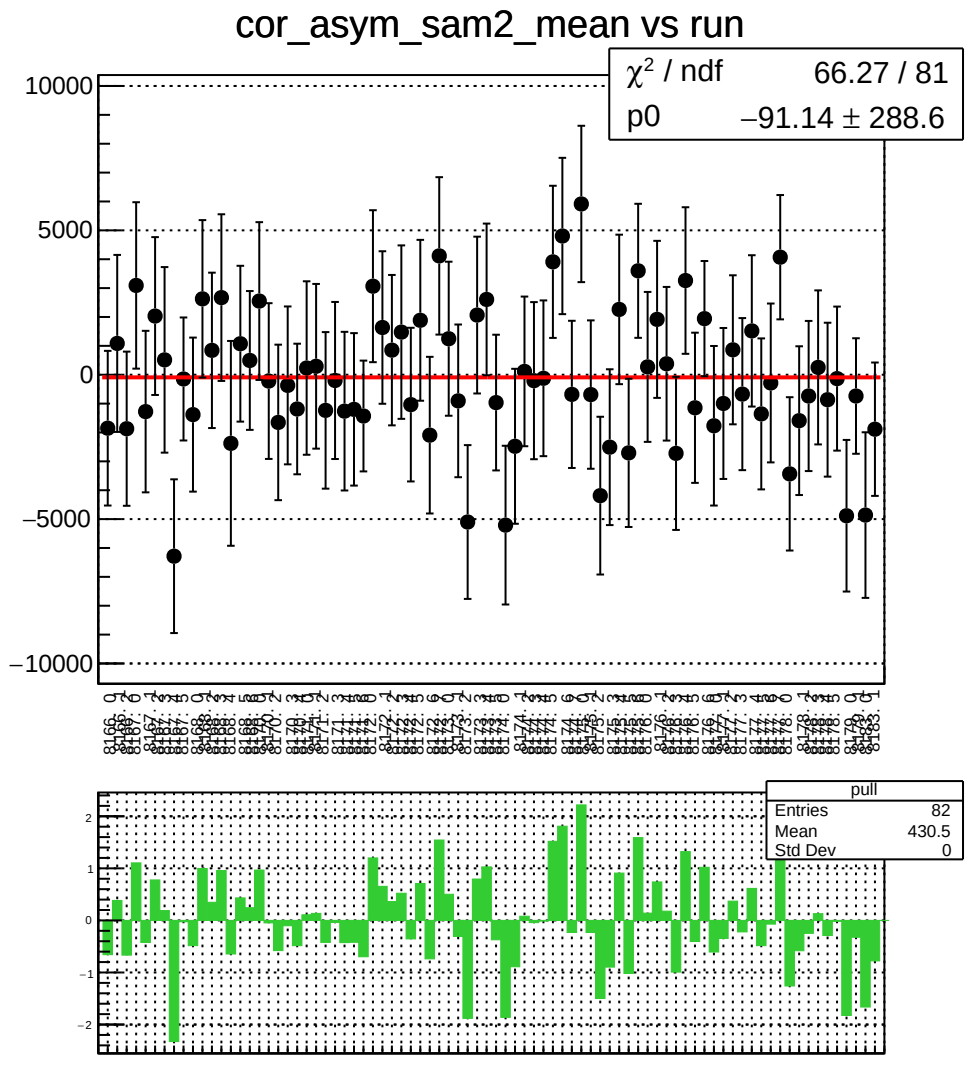

pull1D
Entries 82
Mean −0.00456
Std Dev 0.899

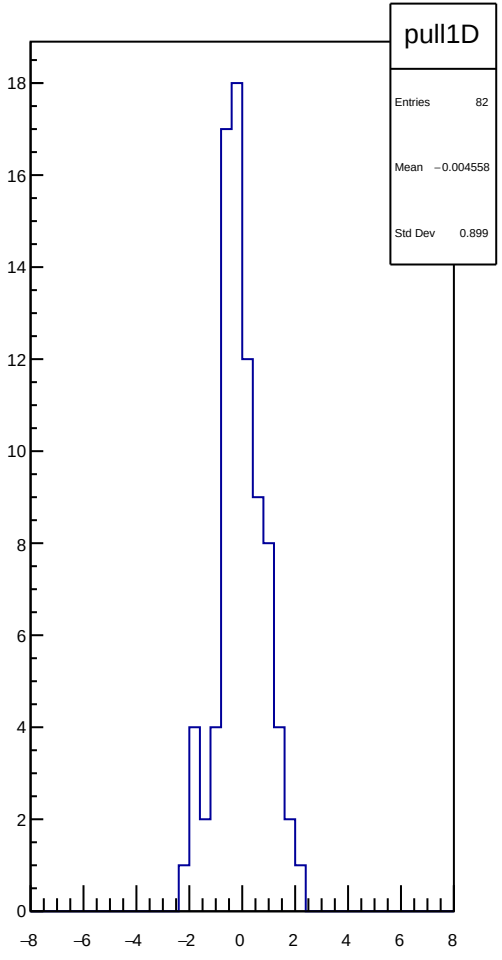

reg_asym_sam2_rms vs run
χ² / ndf 3456 / 81
p0 256.5 ± 0.2041
340
320
300
280
260
240

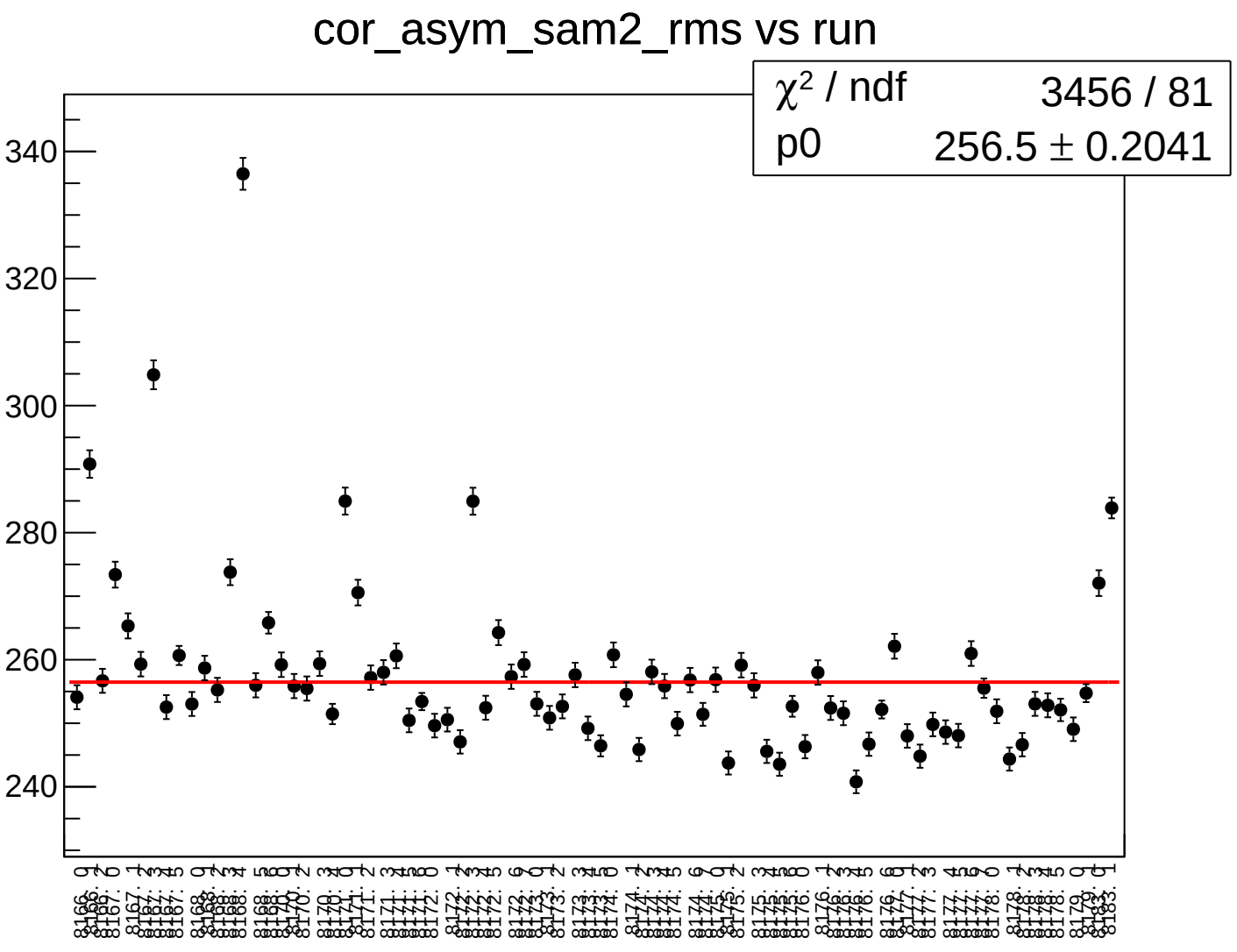

asym_sam2_reg_correction_mean vs run
×10^3
χ^2 / ndf 91.41 / 81
p0 −6813 ± 4648
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 17.8
Std Dev 0
3
2
1
0
−1
−2

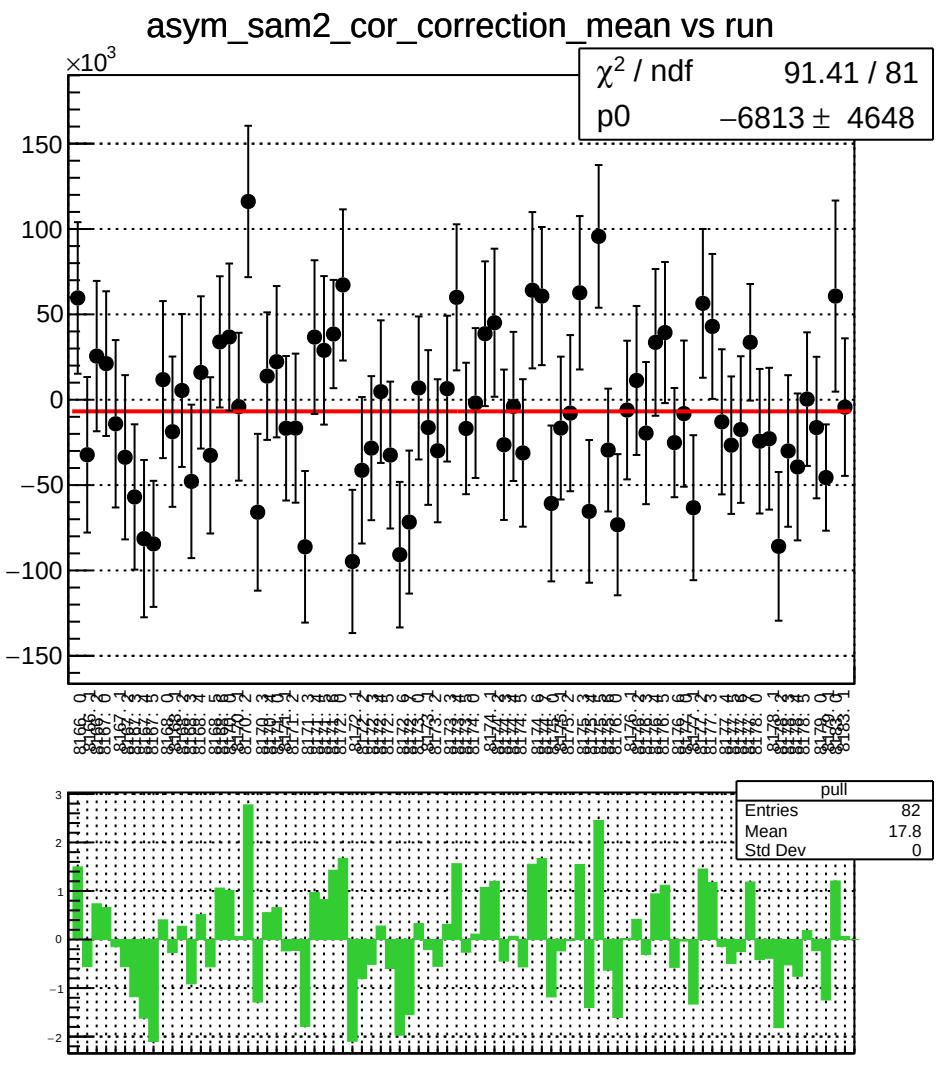

pull1D
Entries 82
Mean 0.005135
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

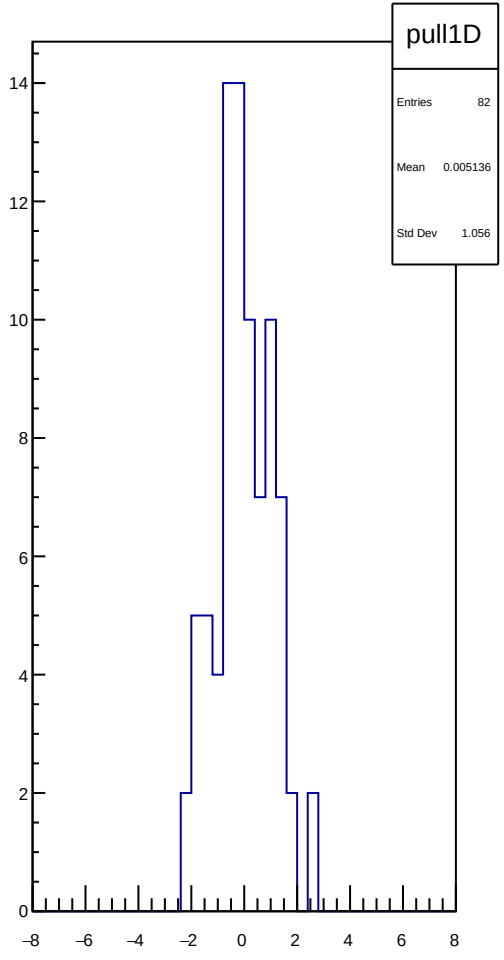

asym_sam2_reg_correction_rms vs run
χ² / ndf 3933 / 81
p0 4130 ± 3.287
5400
5200
5000
4800
4600
4400
4200
4000
3800

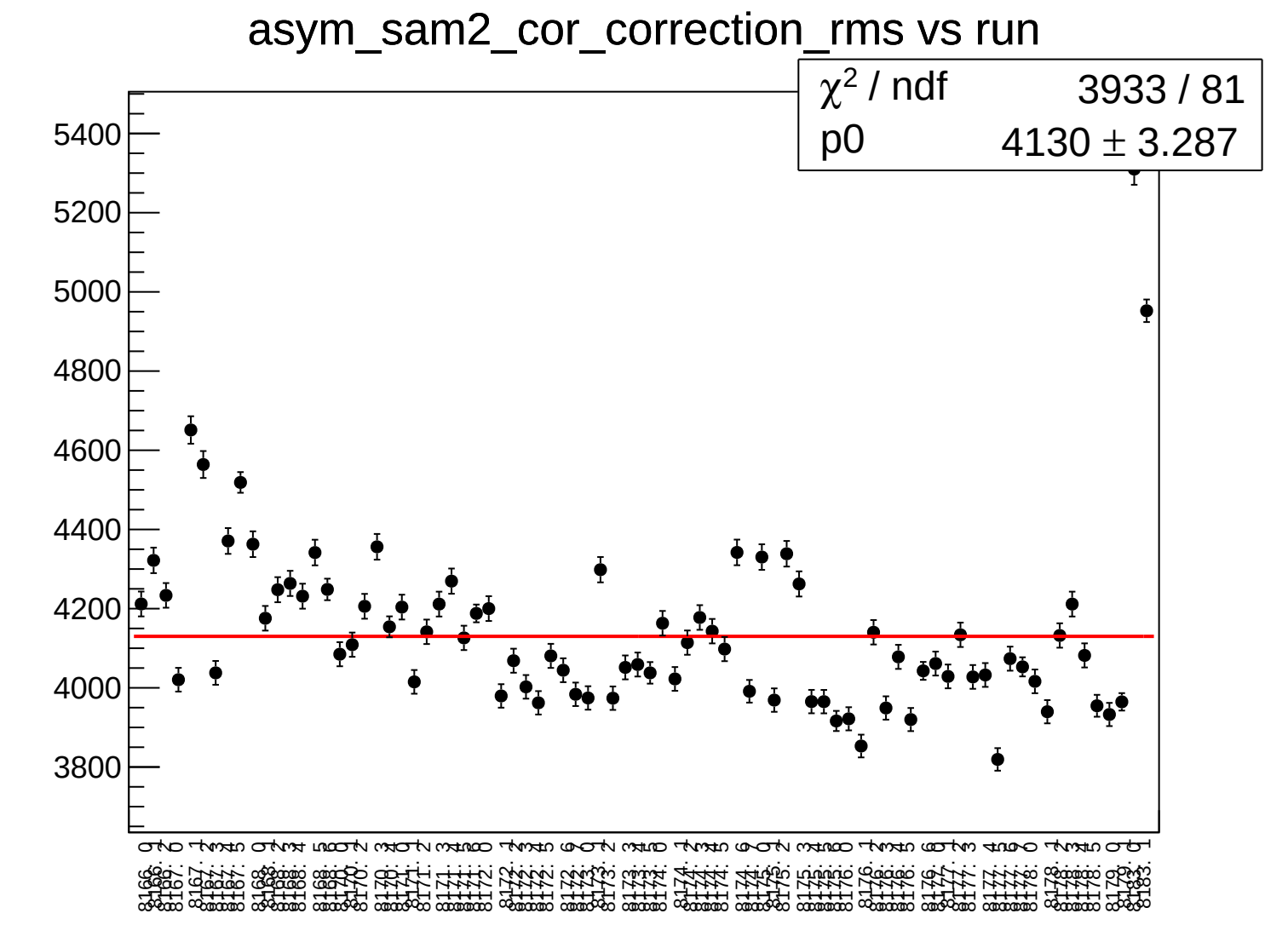

cor_asym_sam2_mean vs run
χ² / ndf 66.27 / 81
p0 −91.14 ± 288.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 430.5
Std Dev 0
2
1
0
−1
−2

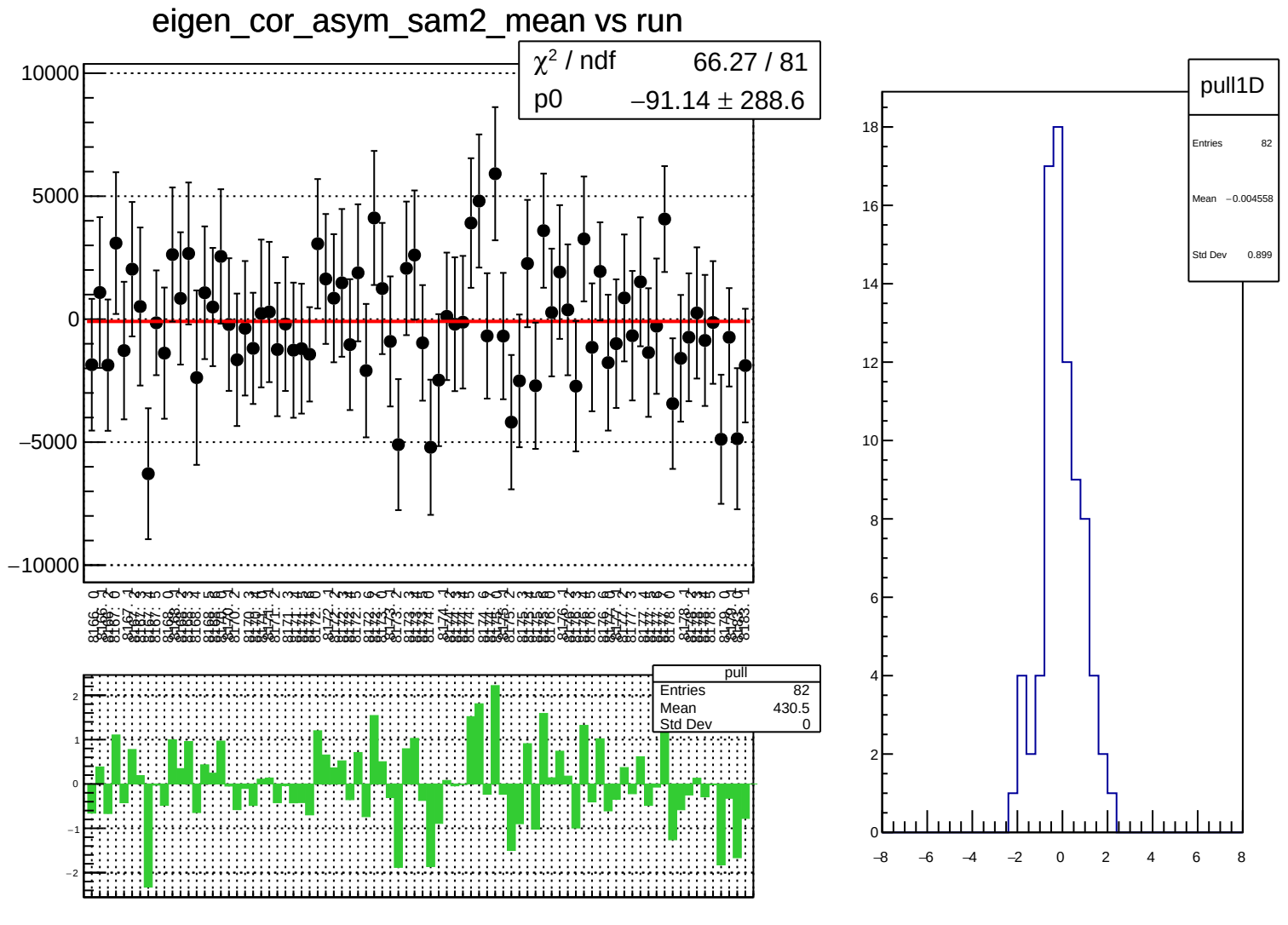

pull1D
Entries 82
Mean −0.004558
Std Dev 0.899
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

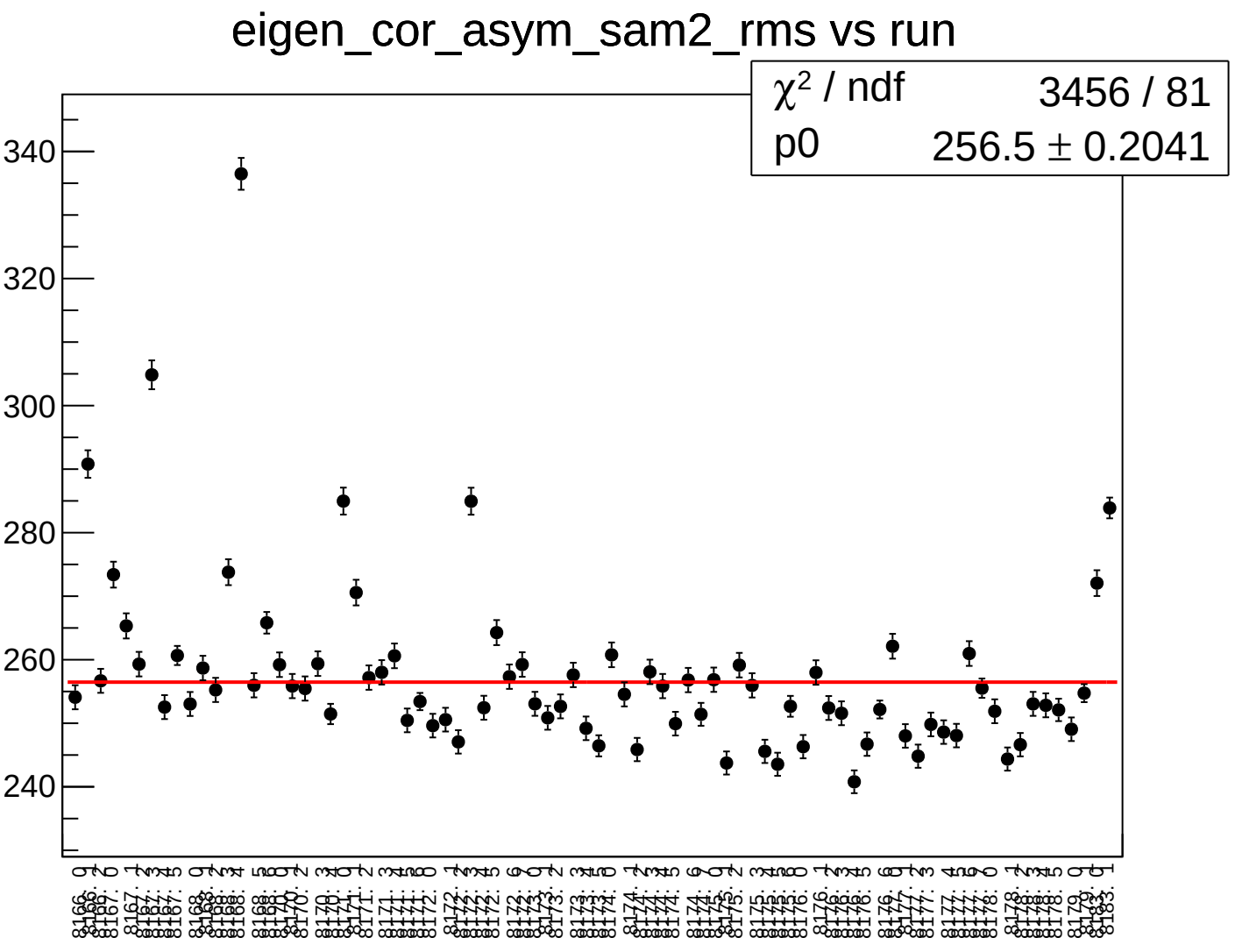

cor_asym_sam2_rms vs run
χ² / ndf 3456 / 81
p0 256.5 ± 0.2041
340
320
300
280
260
240

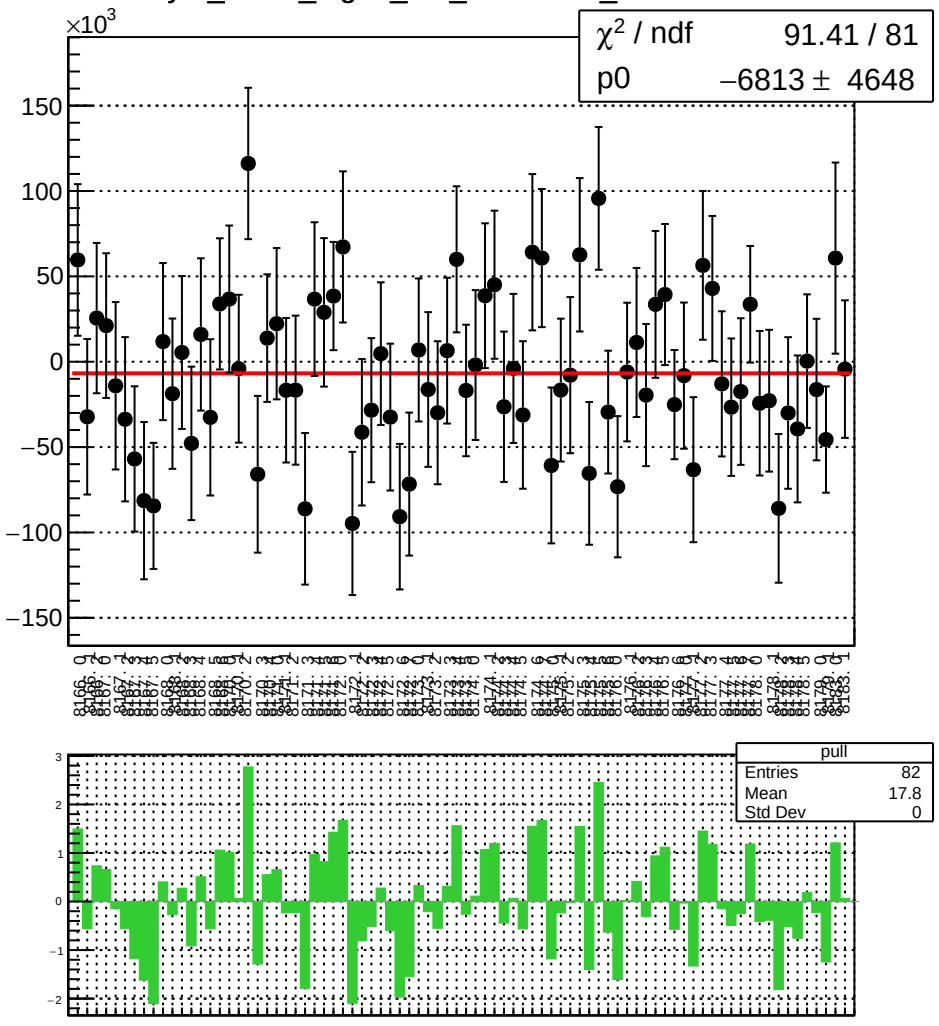

asym_sam2_cor_correction_mean vs run
×10^3
χ^2 / ndf 91.41 / 81
p0 −6813 ± 4648
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 17.8
Std Dev 0
3
2
1
0
−1
−2

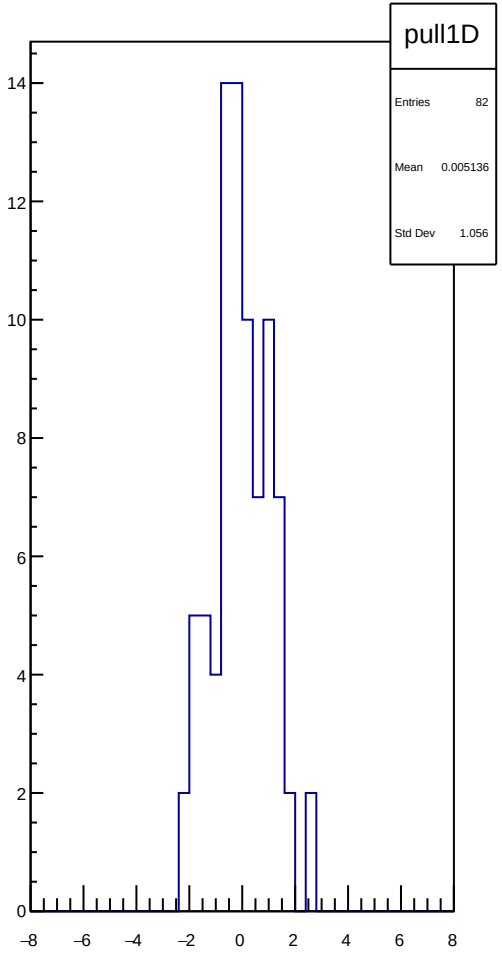

pull1D
Entries 82
Mean 0.005136
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

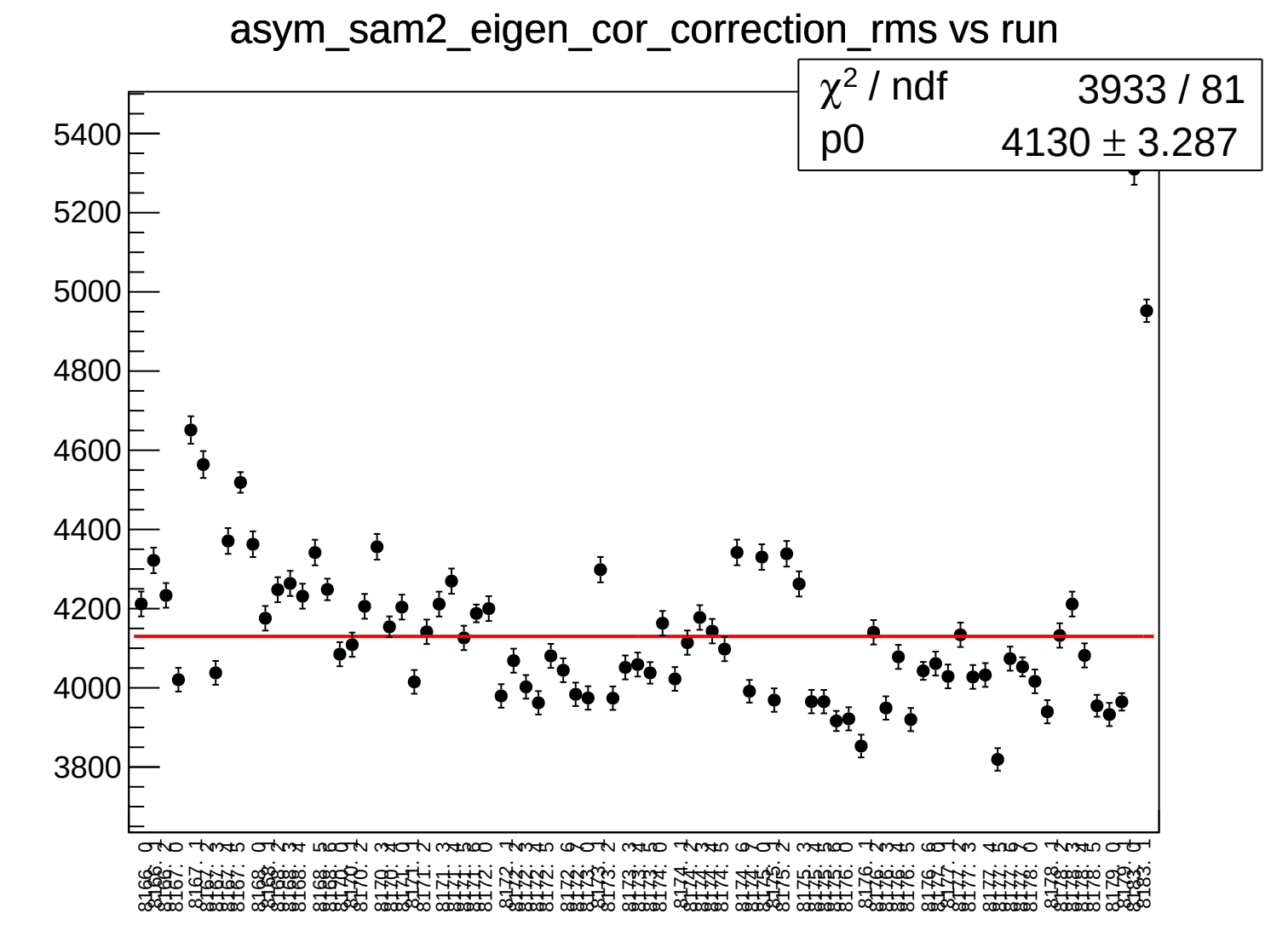

asym_sam2_cor_correction_rms vs run
χ² / ndf 3933 / 81
p0 4130 ± 3.287
5400
5200
5000
4800
4600
4400
4200
4000
3800

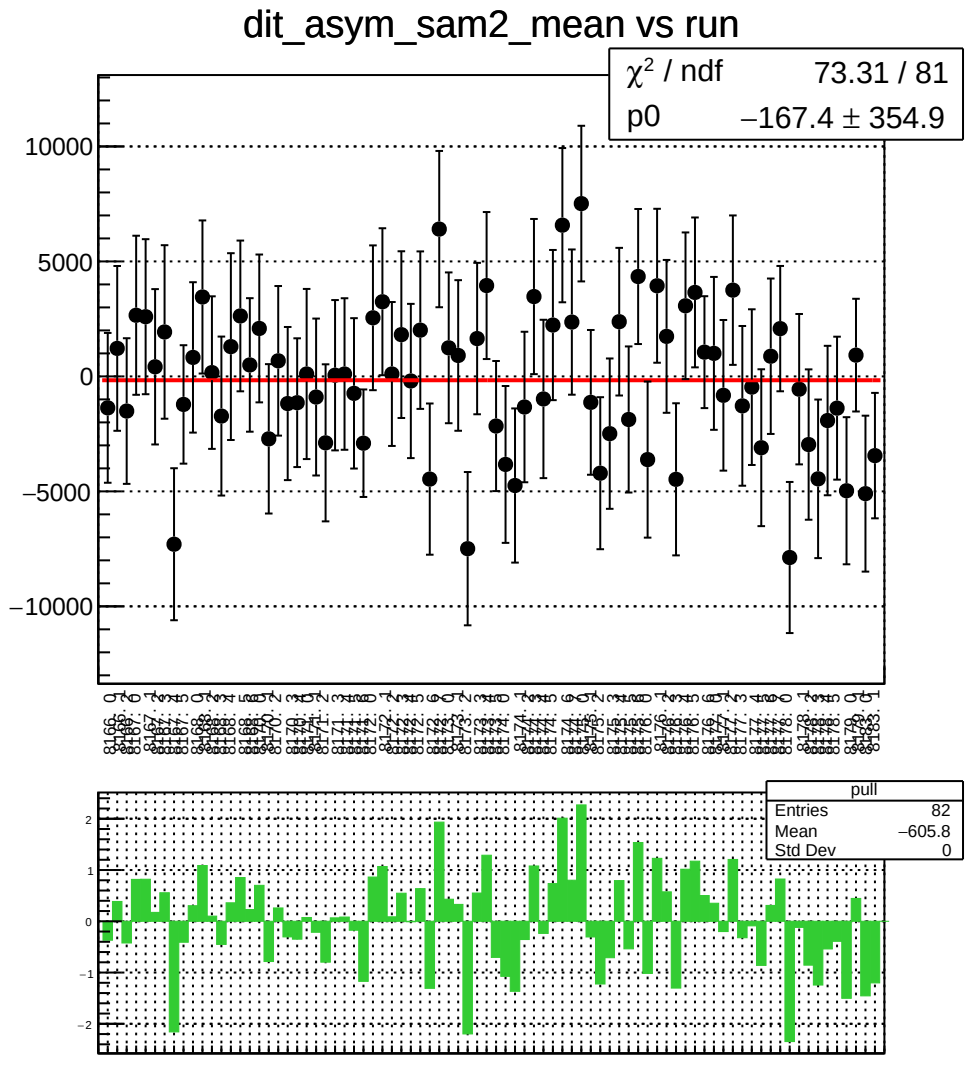

eigen_cor_asym_sam2_mean vs run
χ² / ndf 66.27 / 81
p0 −91.14 ± 288.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 430.5
Std Dev 0
pull1D
Entries 82
Mean −0.004558
Std Dev 0.899

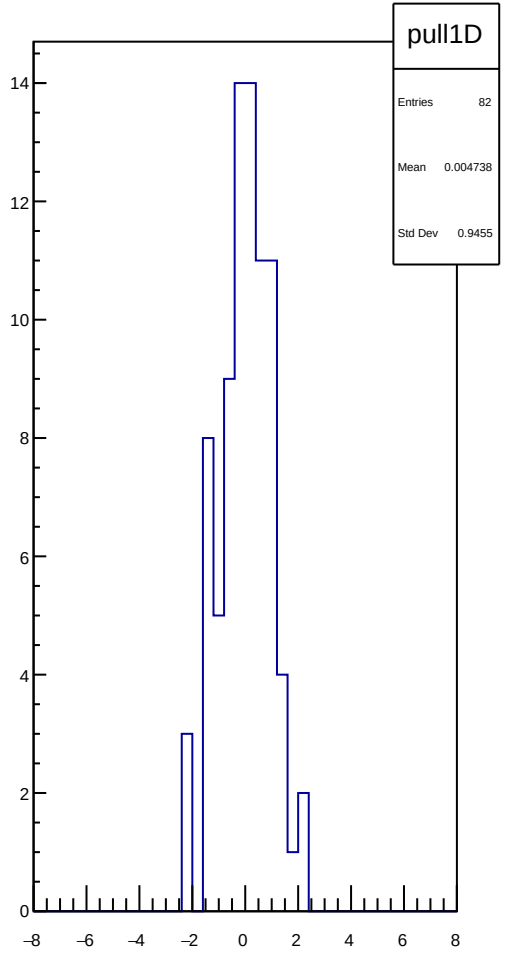

eigen_cor_asym_sam2_rms vs run
χ² / ndf 3456 / 81
p0 256.5 ± 0.2041
340
320
300
280
260
240

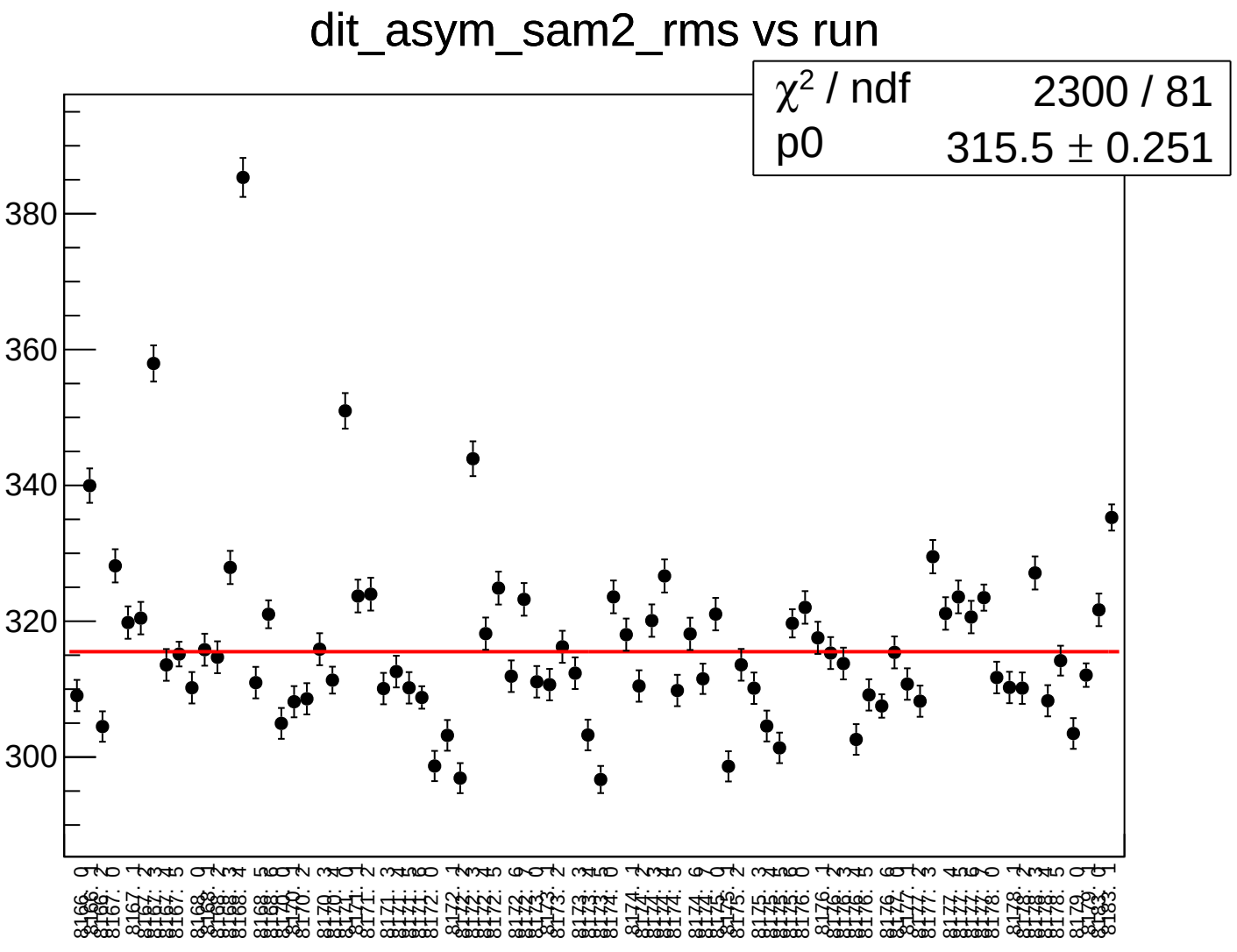

asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 91.41 / 81
p0 −6813 ± 4648
×10³
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 17.8
Std Dev 0
3
2
1
0
−1
−2

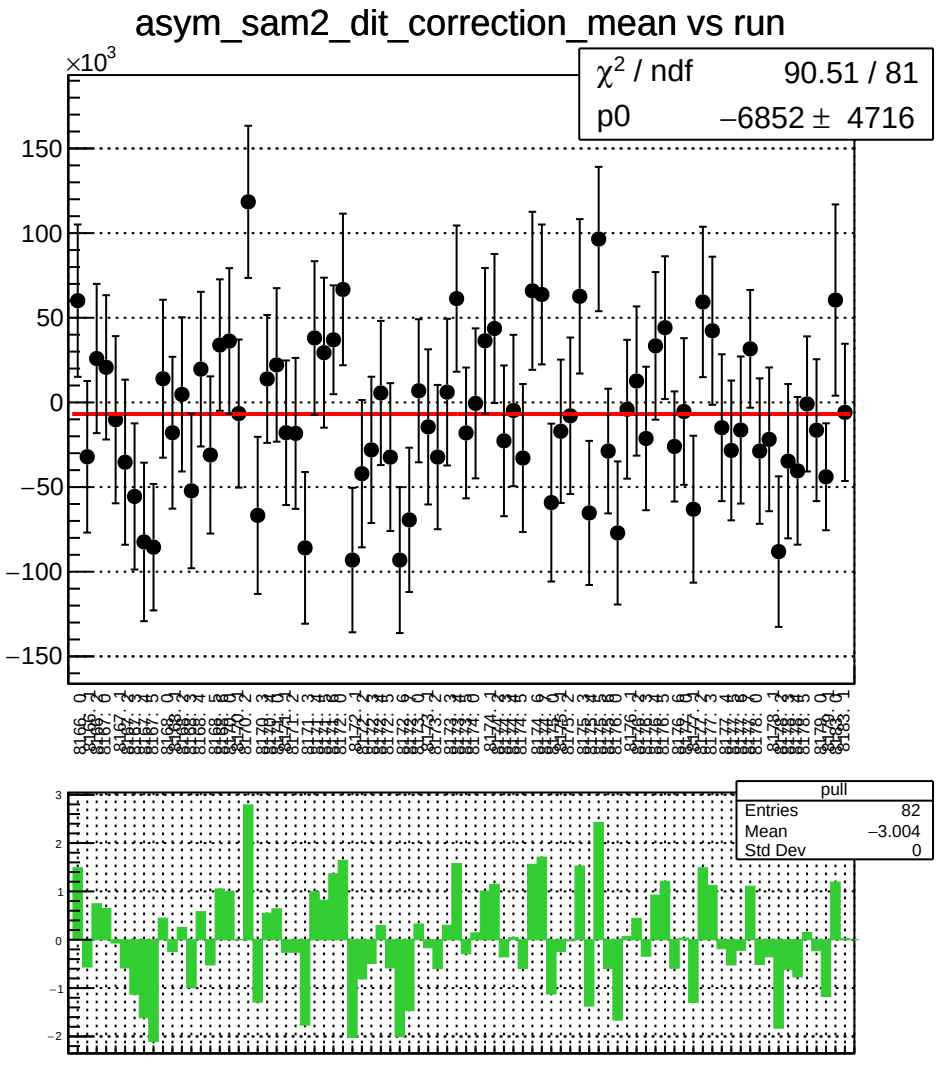

pull1D
Entries 82
Mean 0.005136
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

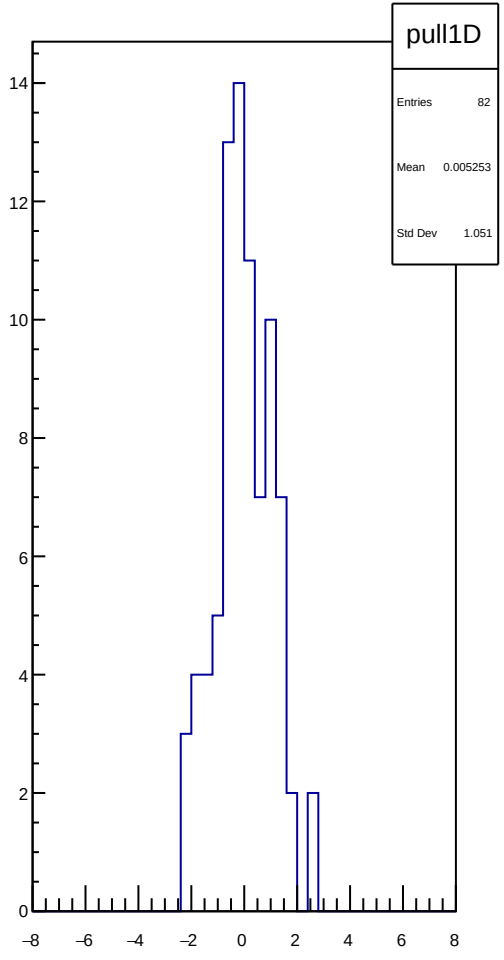

asym_sam2_eigen_cor_correction_rms vs run
χ^2 / ndf 3933 / 81
p0 4130 ± 3.287
5400
5200
5000
4800
4600
4400
4200
4000
3800

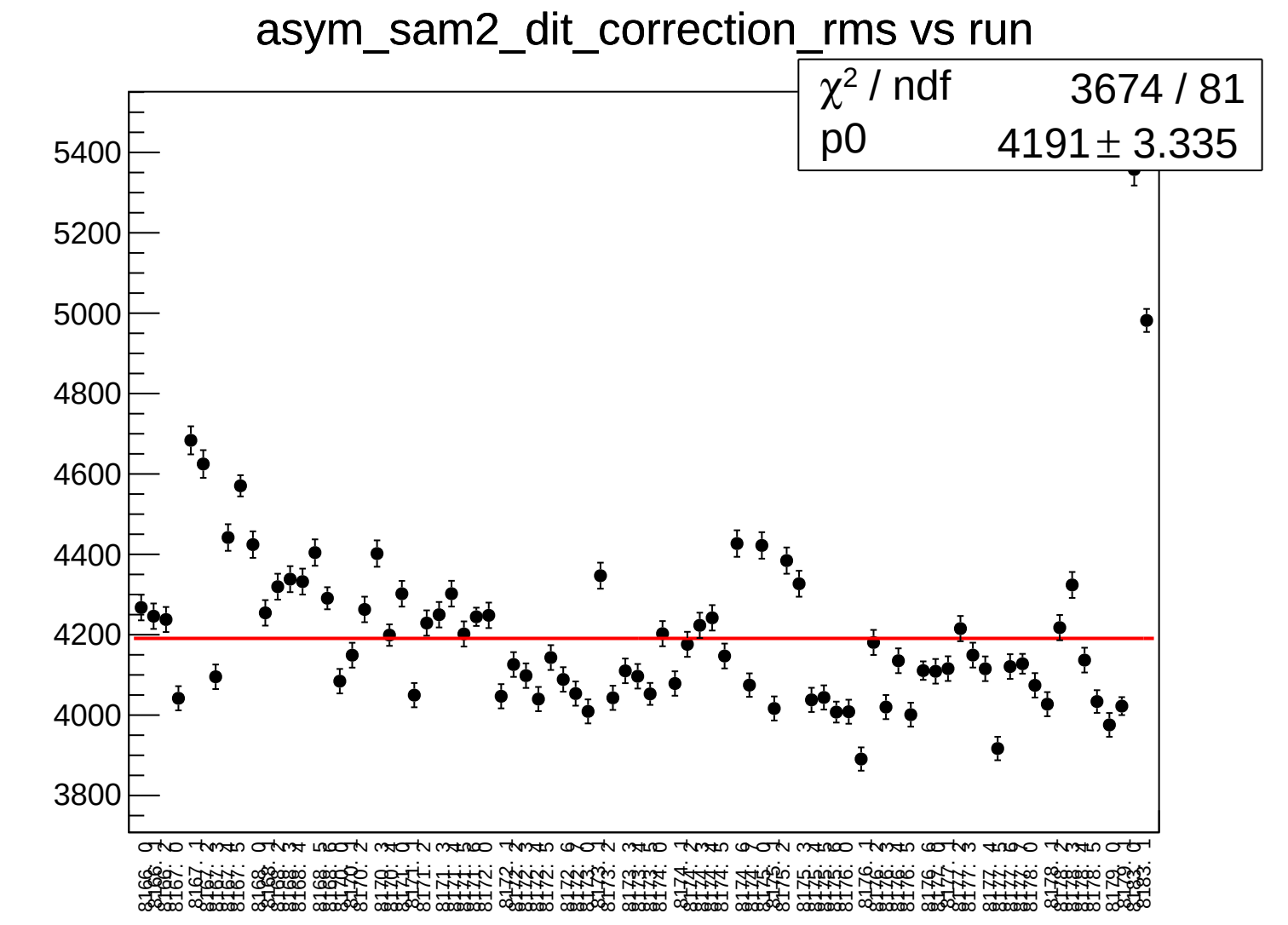

dit_asym_sam2_mean vs run
χ² / ndf 73.31 / 81
p0 −167.4 ± 354.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −605.8
Std Dev 0
2
1
0
−1
−2

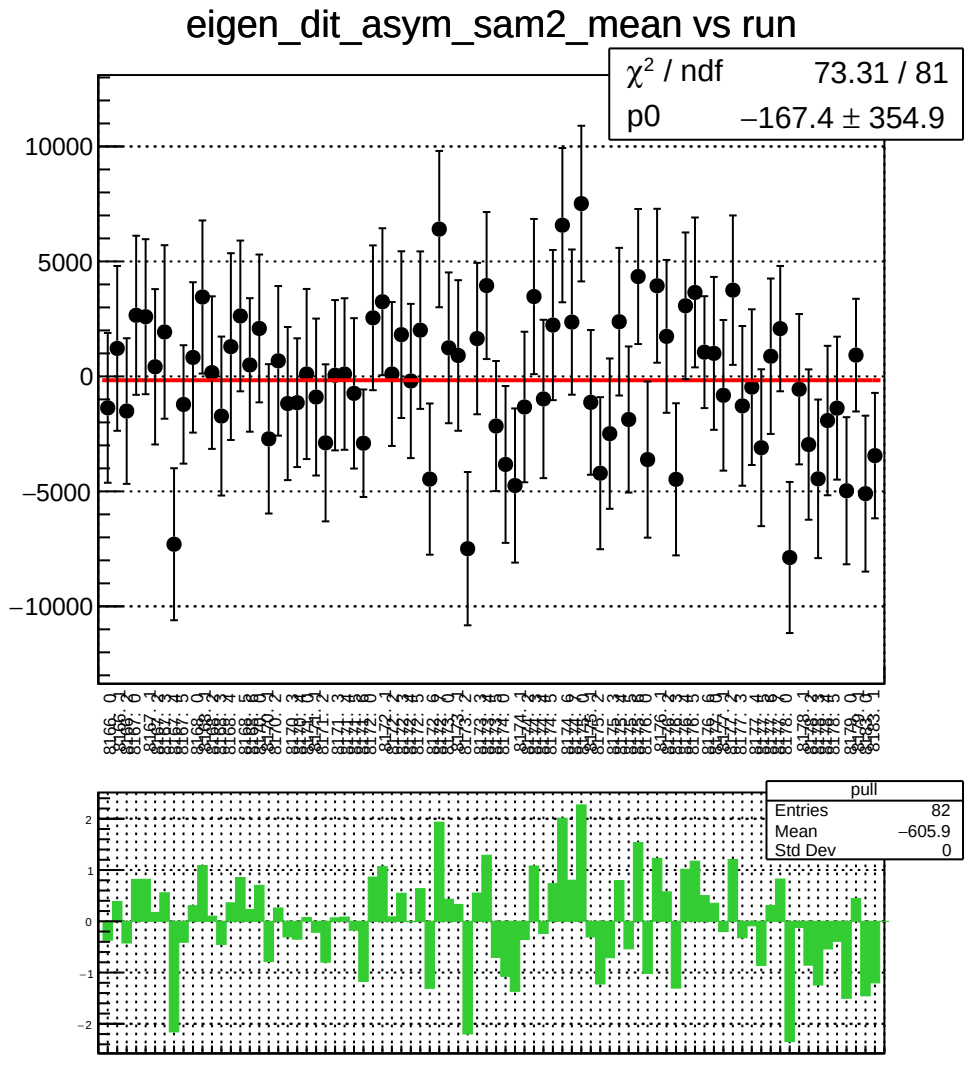

pull1D
Entries 82
Mean 0.004738
Std Dev 0.9455
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

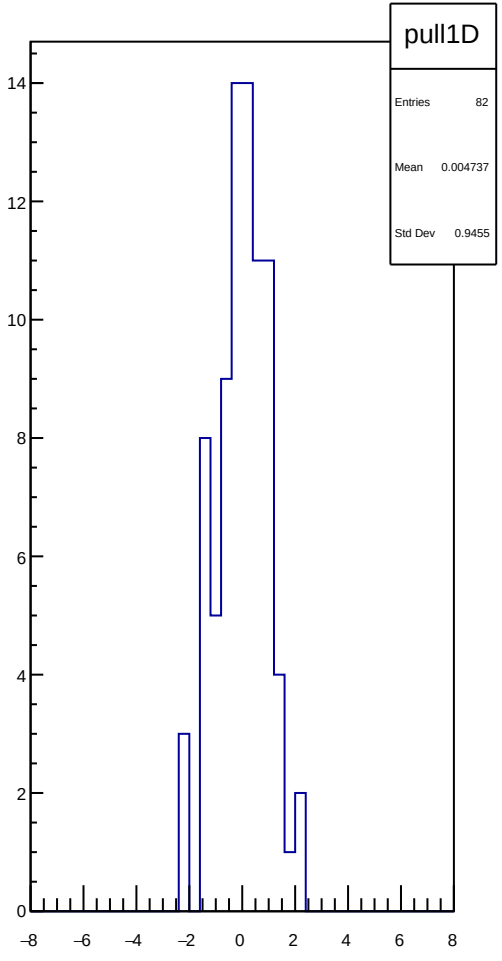

dit_asym_sam2_rms vs run
χ^2 / ndf 2300 / 81
p0 315.5 ± 0.251
380
360
340
320
300

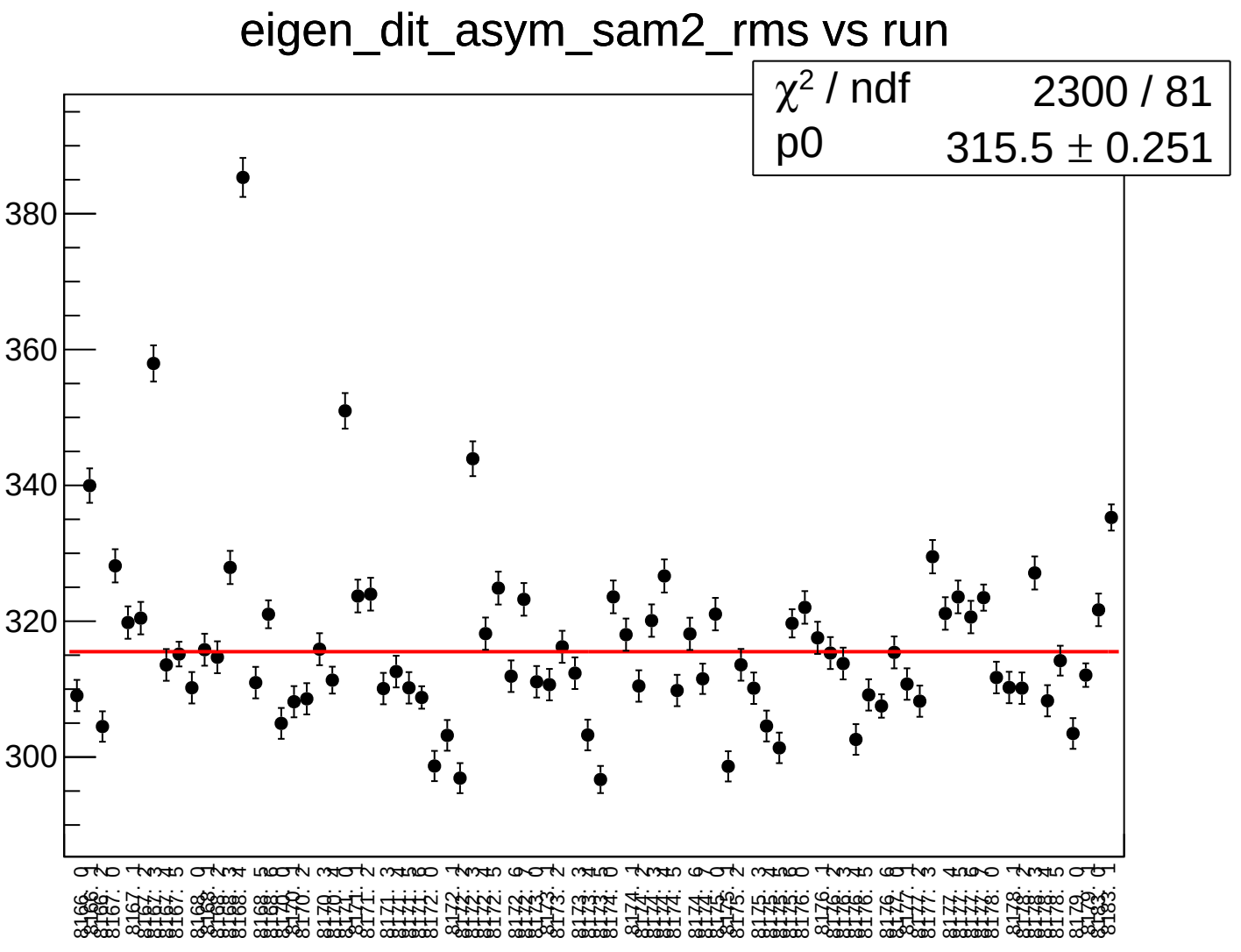

asym_sam2_dit_correction_mean vs run
×10^3
χ^2 / ndf 90.51 / 81
p0 −6852 ± 4716
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −3.004
Std Dev 0
3
2
1
0
−1
−2

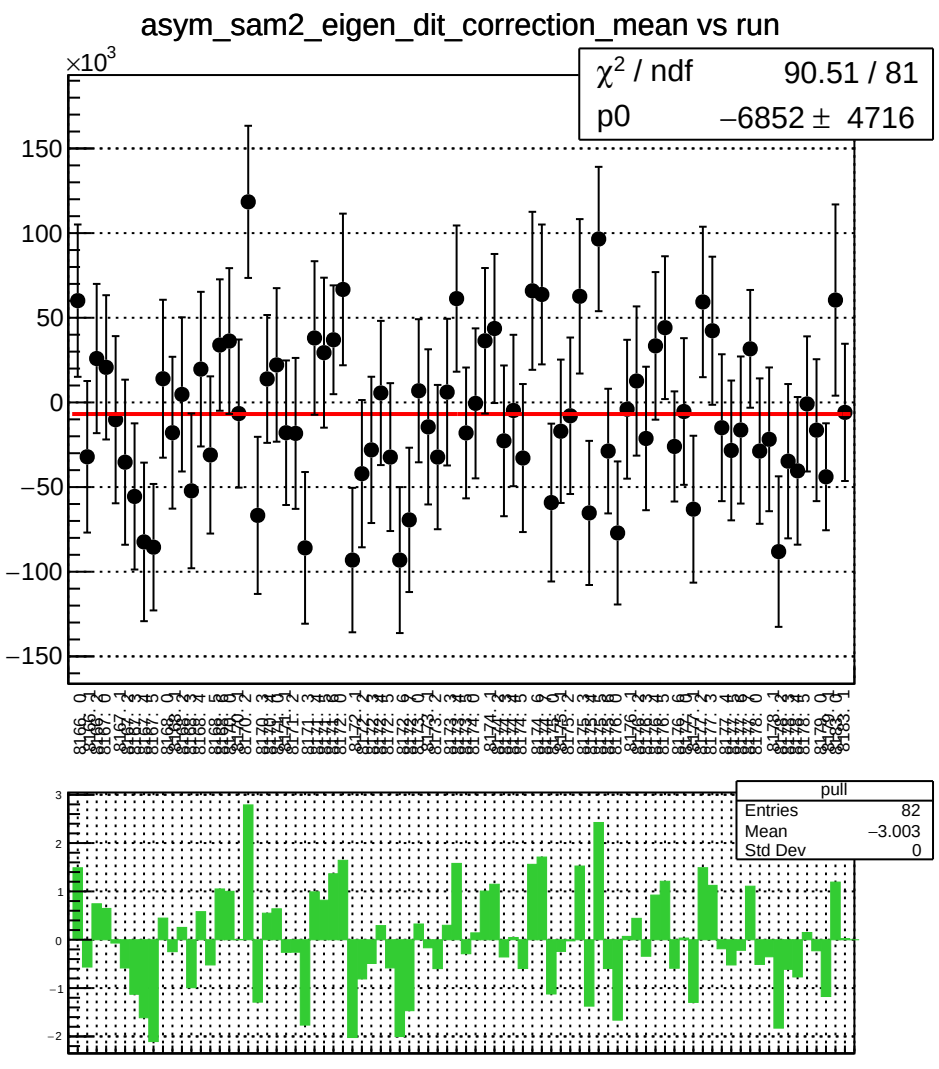

pull1D
Entries 82
Mean 0.005253
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

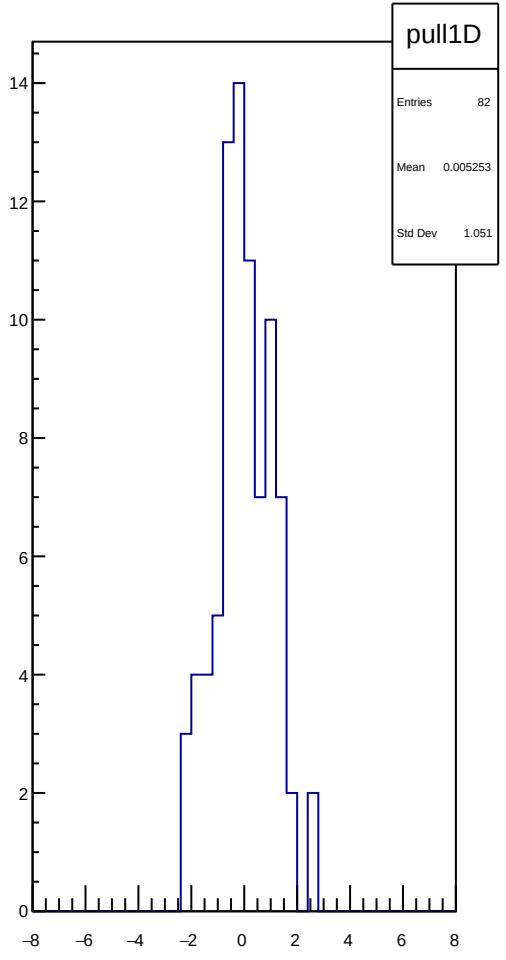

asym_sam2_dit_correction_rms vs run
χ² / ndf 3674 / 81
p0 4191 ± 3.335
5400
5200
5000
4800
4600
4400
4200
4000
3800

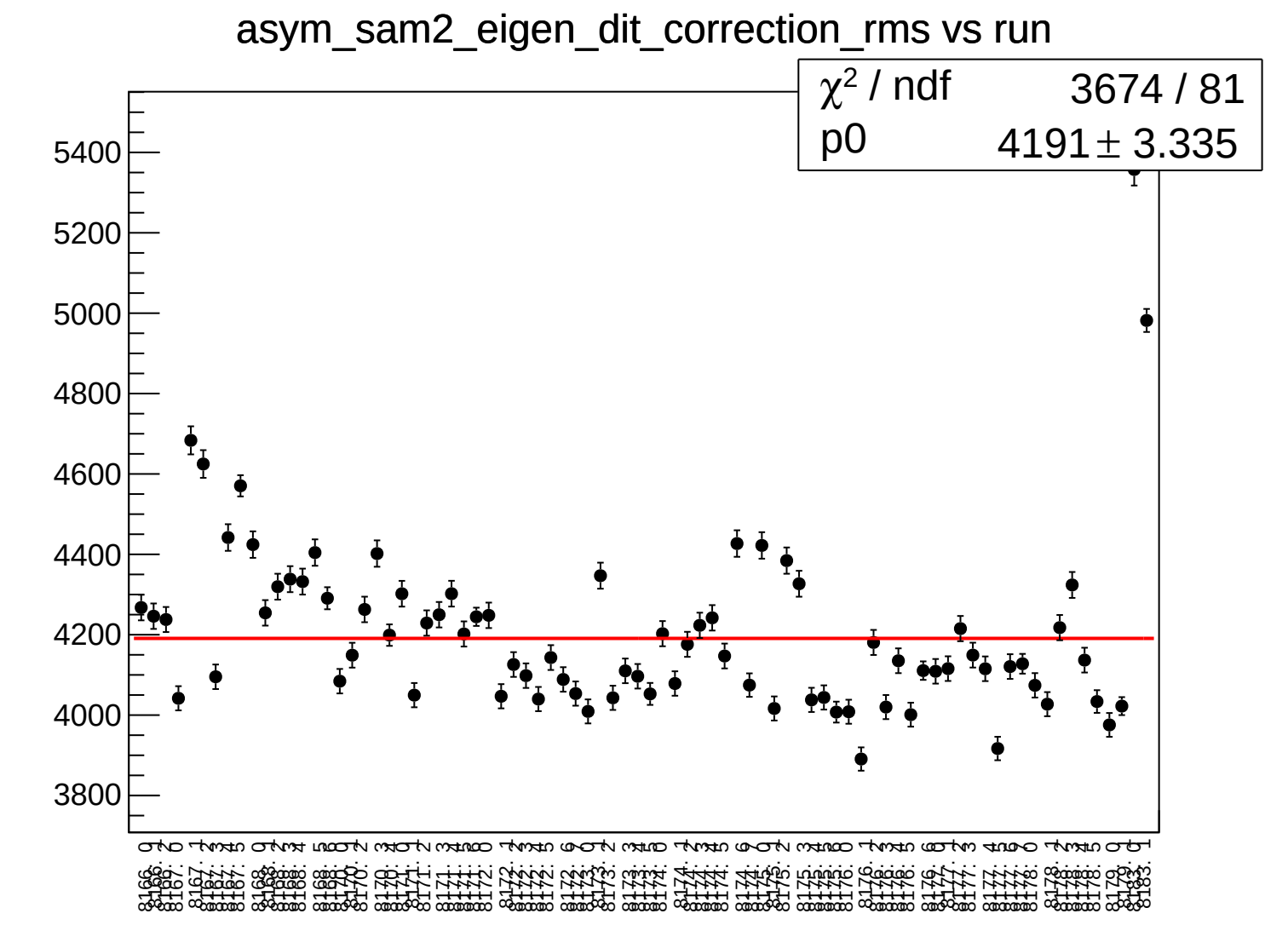

eigen_dit_asym_sam2_mean vs run
χ² / ndf 73.31 / 81
p0 −167.4 ± 354.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −605.9
Std Dev 0
2
1
0
−1
−2

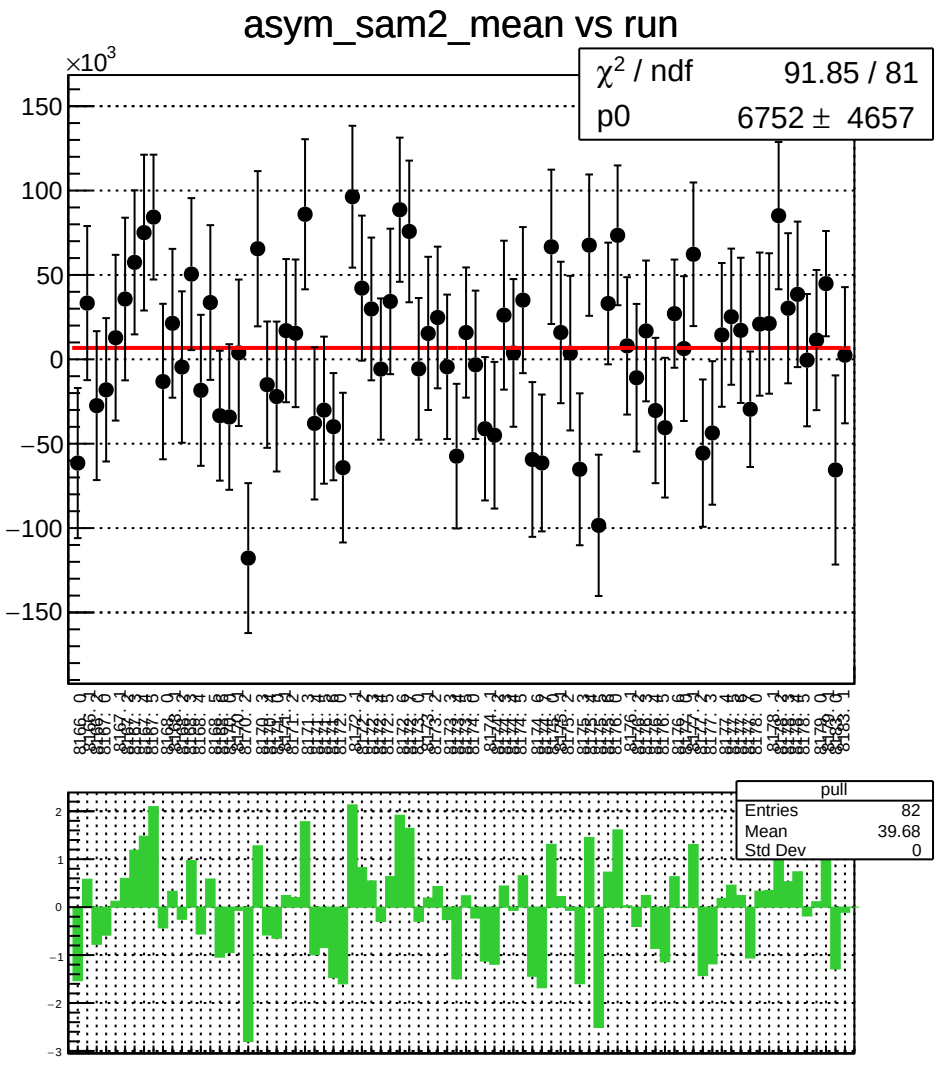

pull1D
Entries 82
Mean 0.004737
Std Dev 0.9455
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

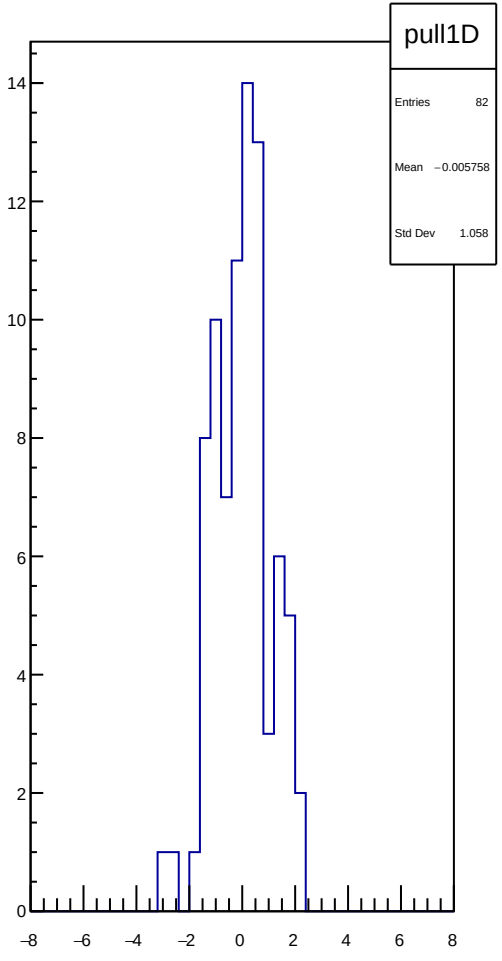

eigen_dit_asym_sam2_rms vs run
χ² / ndf 2300 / 81
p0 315.5 ± 0.251
380
360
340
320
300

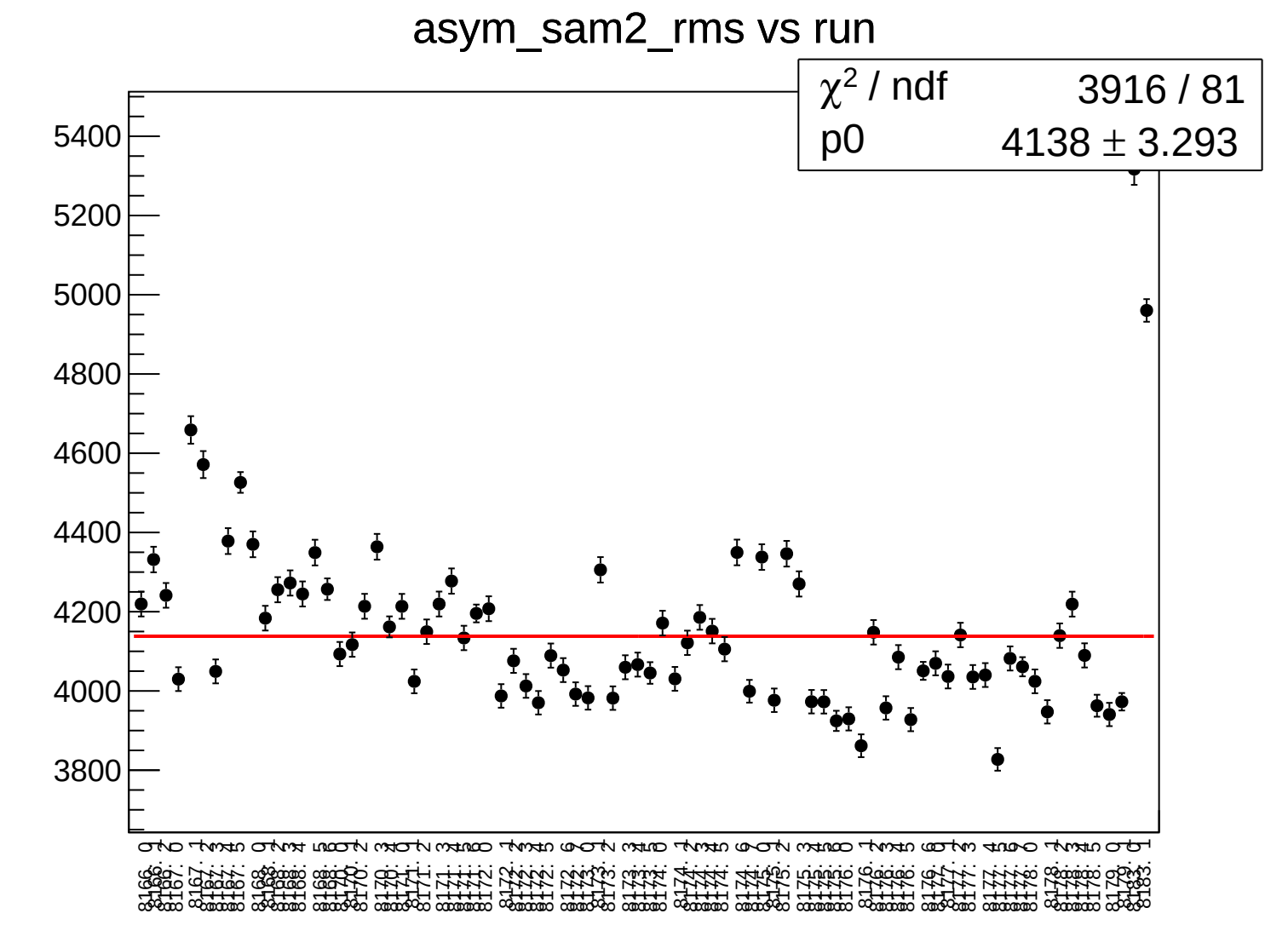

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 90.51 / 81
p0 −6852 ± 4716
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −3.003
Std Dev 0
3
2
1
0
−1
−2

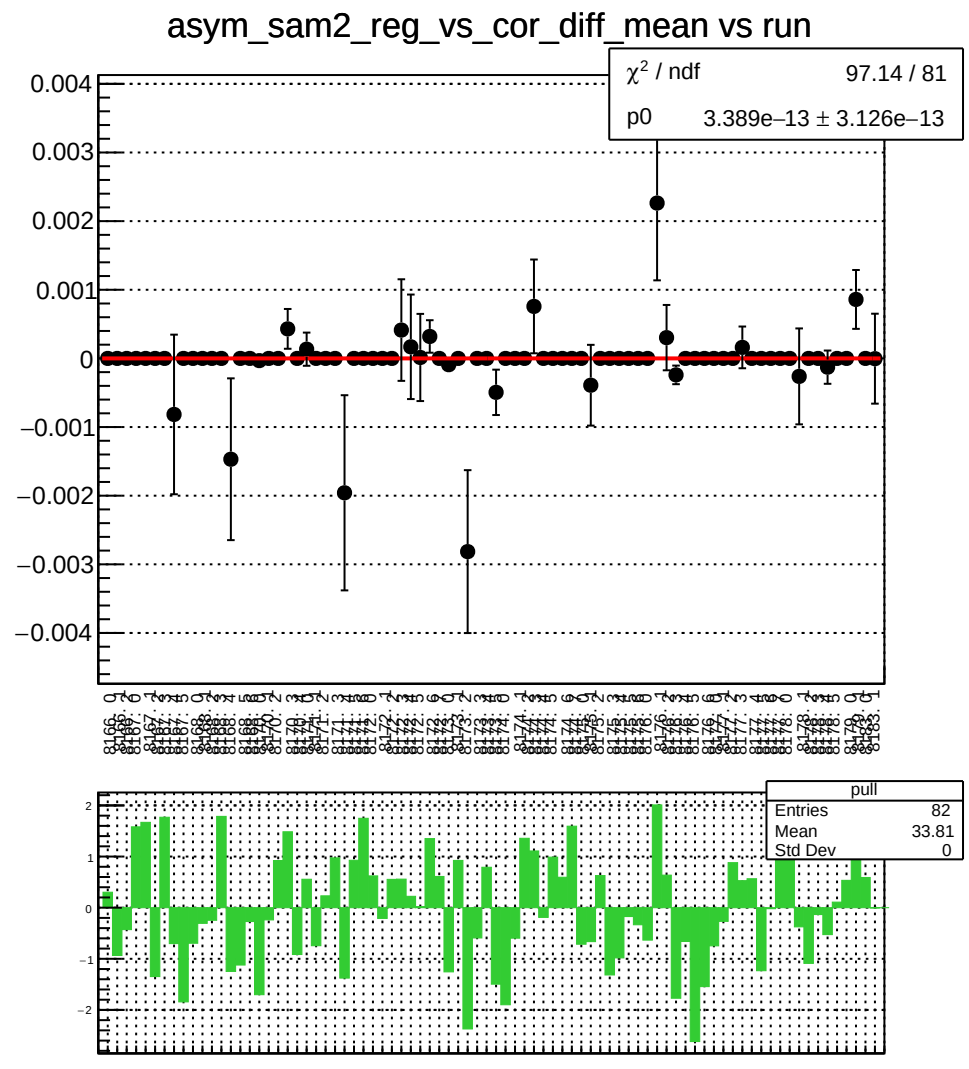

pull1D
Entries 82
Mean 0.005253
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

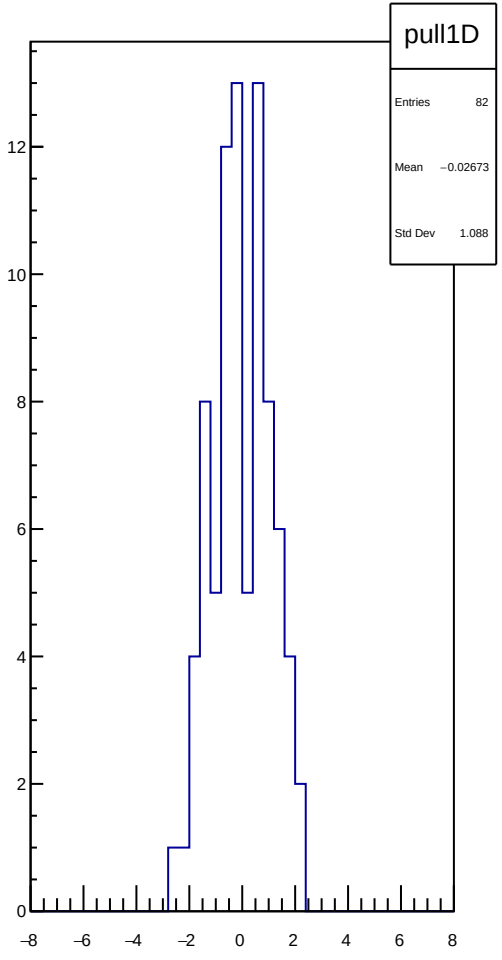

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3674 / 81
p0 4191 ± 3.335
5400
5200
5000
4800
4600
4400
4200
4000
3800

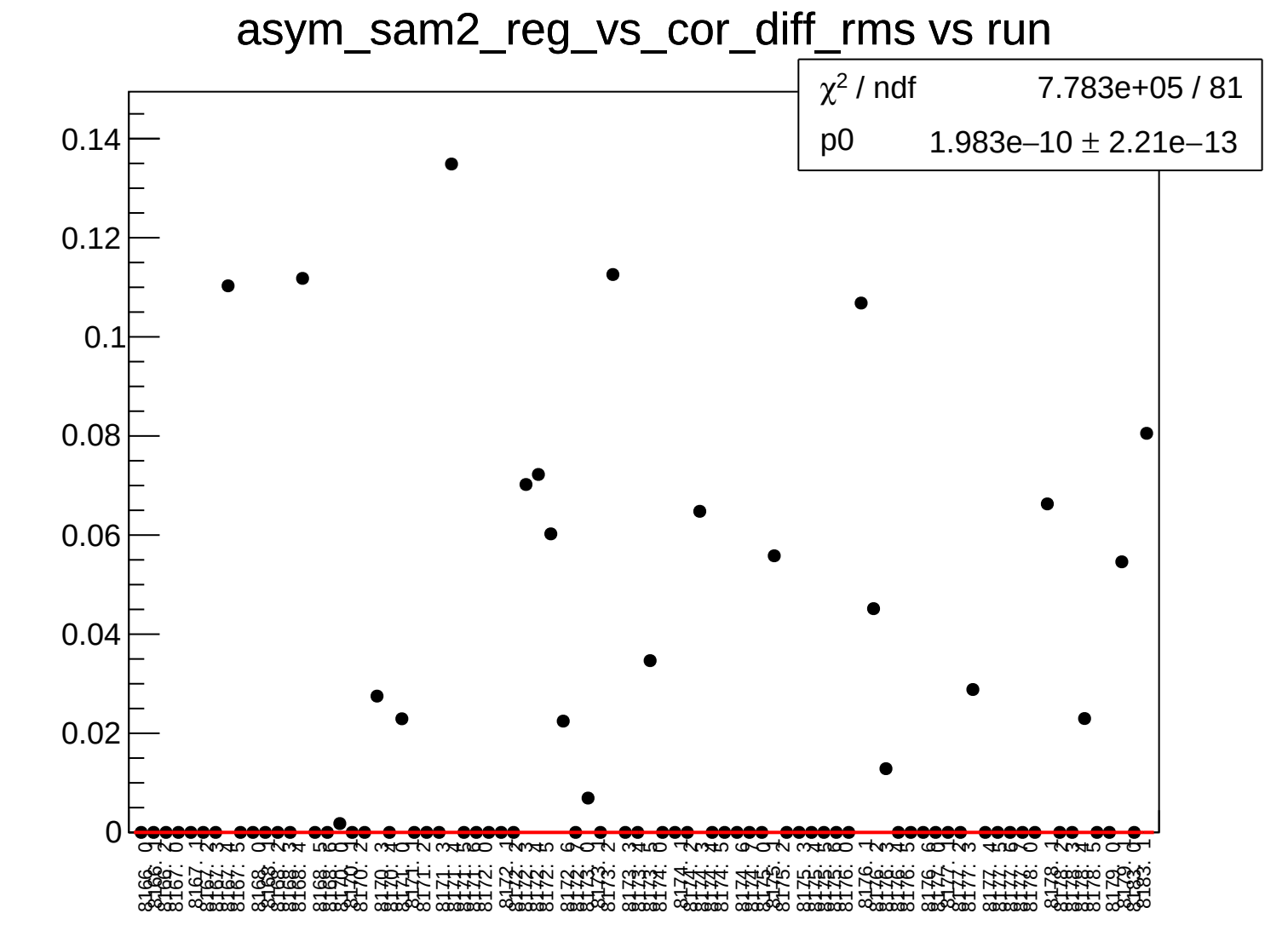

asym_sam2_mean vs run
×10^3
χ^2 / ndf 91.85 / 81
p0 6752 ± 4657
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 39.68
Std Dev 0
2
1
0
−1
−2
−3

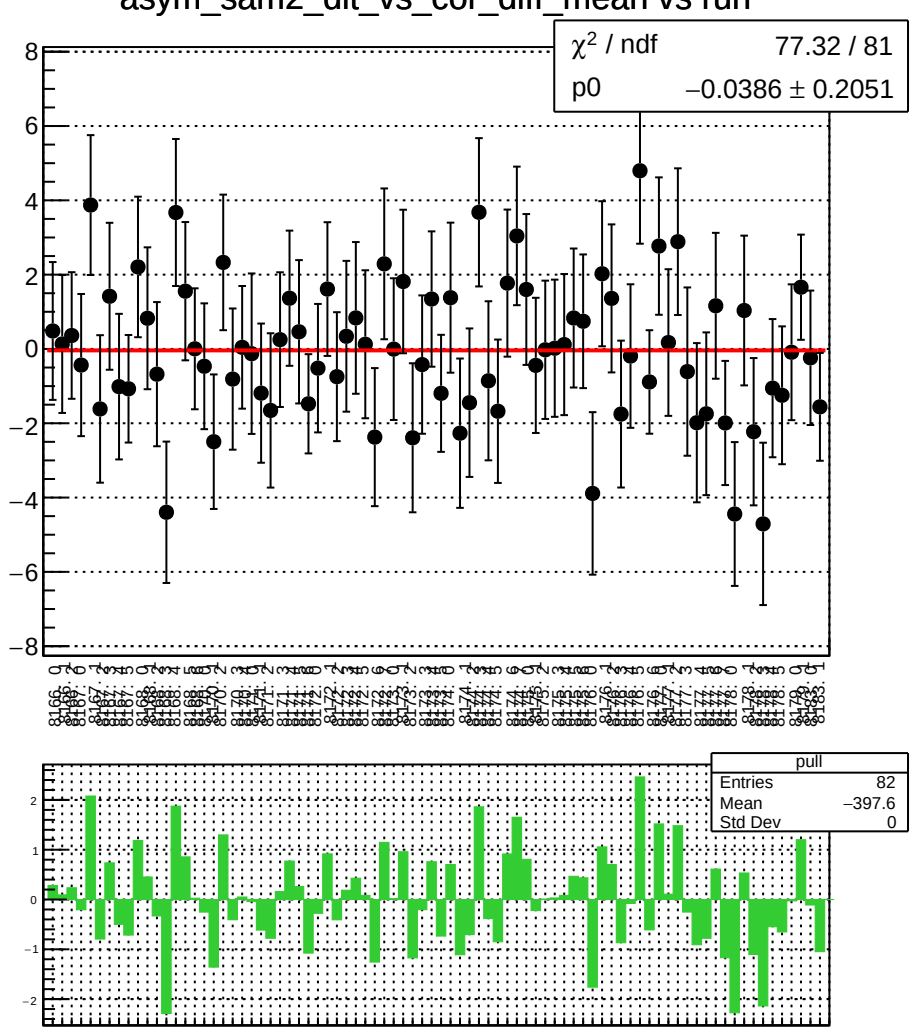

pull1D
Entries 82
Mean −0.005758
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

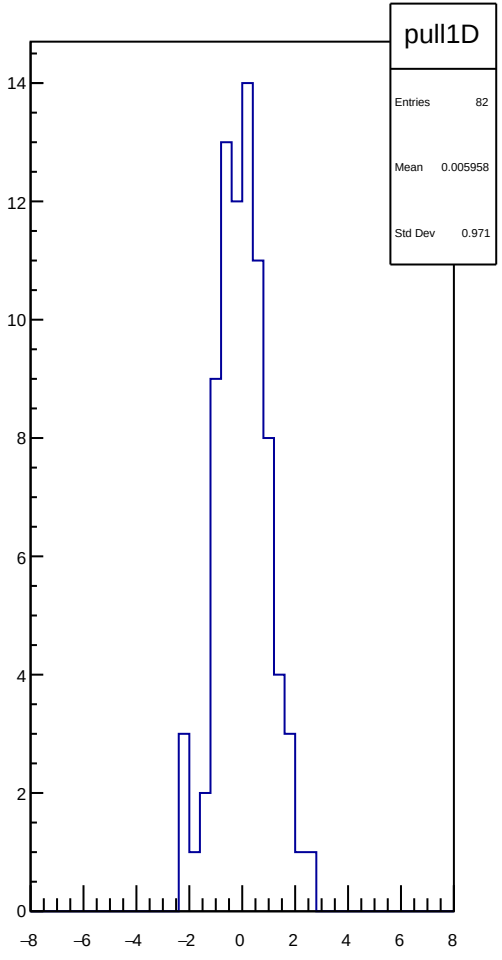

asym_sam2_rms vs run
χ² / ndf 3916 / 81
p0 4138 ± 3.293
5400
5200
5000
4800
4600
4400
4200
4000
3800

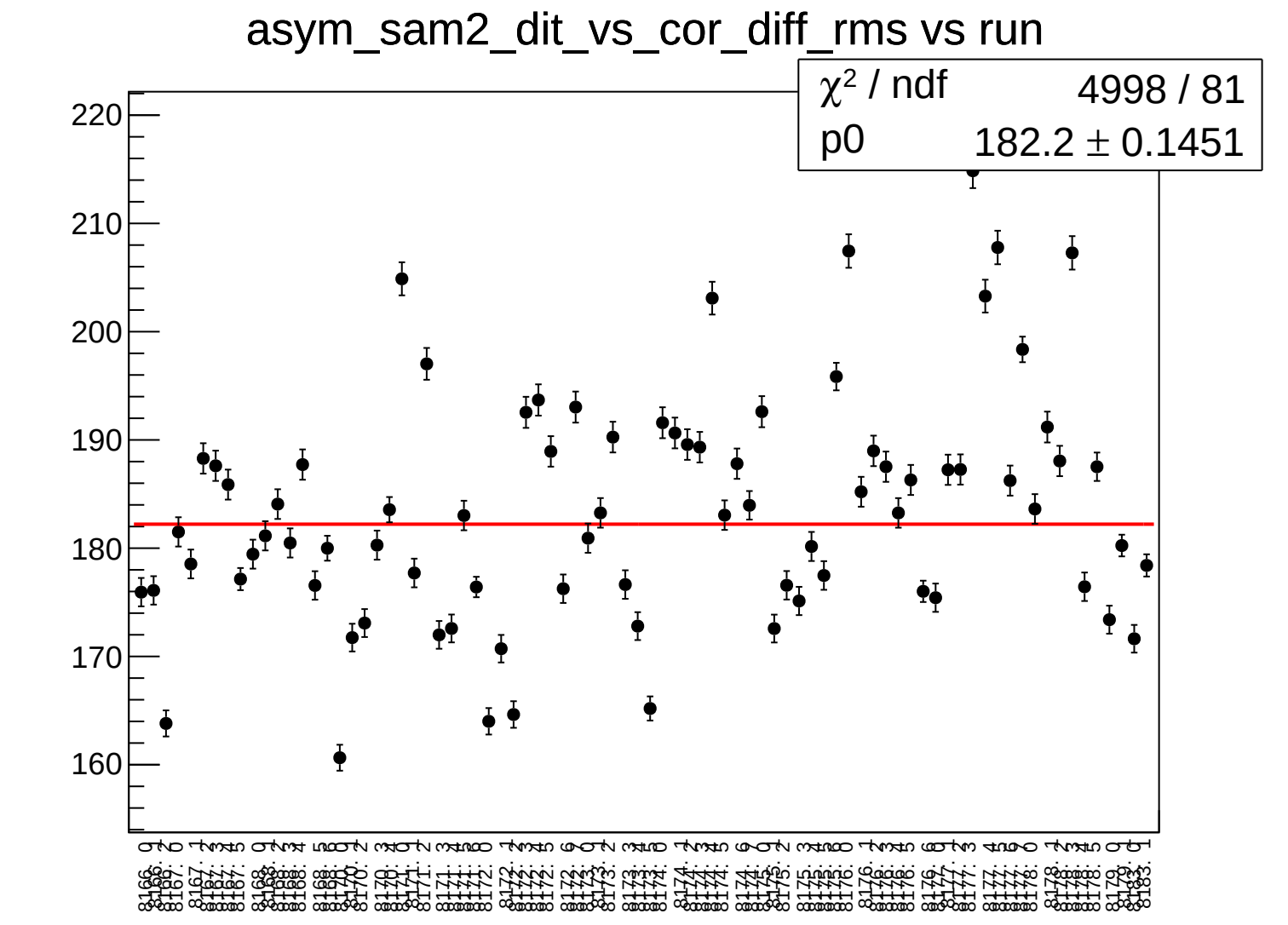

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 97.14 / 81
p0 3.389e−13 ± 3.126e−13
pull
Entries 82
Mean 33.81
Std Dev 0

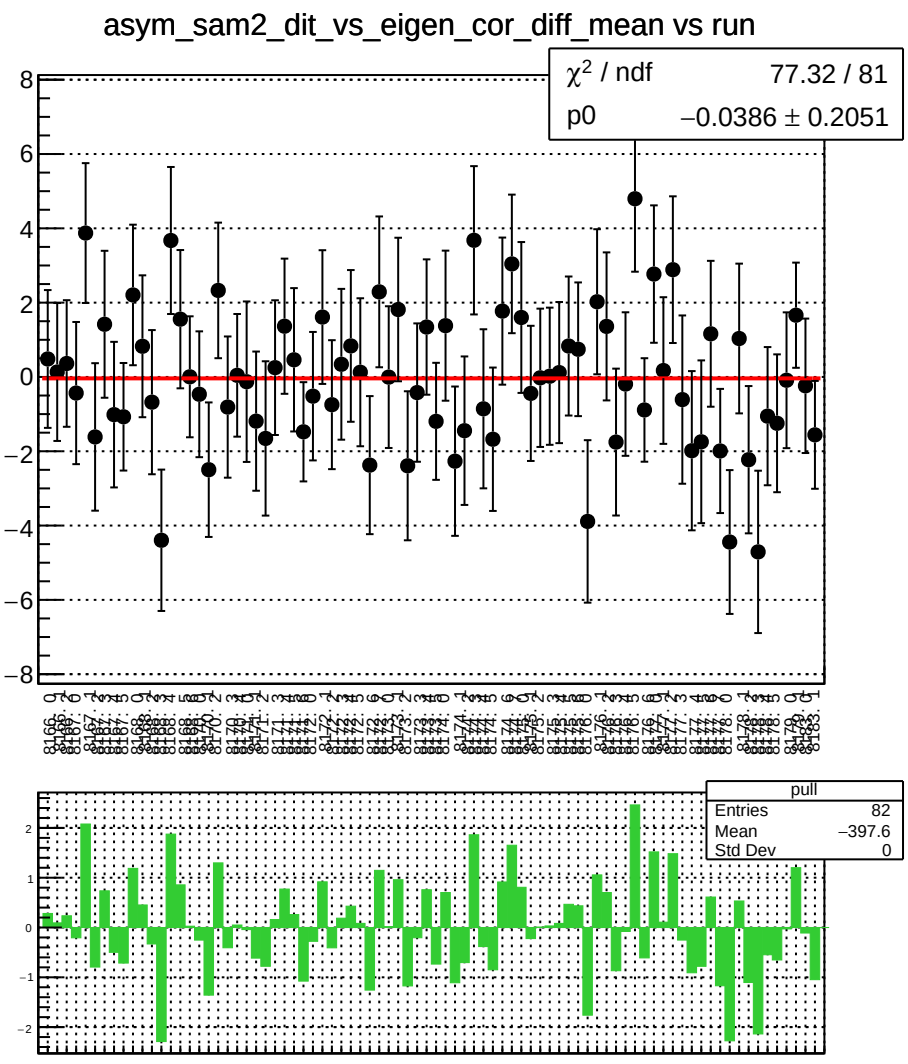

pull1D
Entries 82
Mean −0.02673
Std Dev 1.088

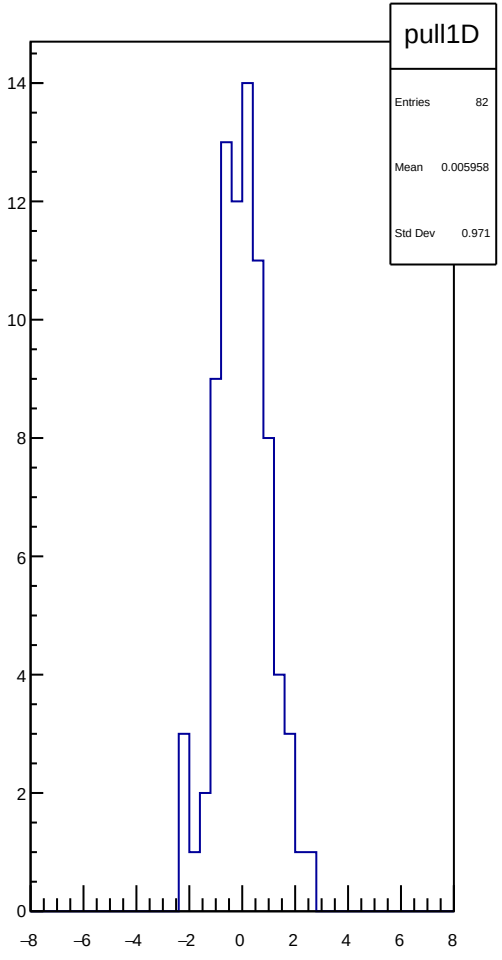

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.783e+05 / 81
p0 1.983e−10 ± 2.21e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

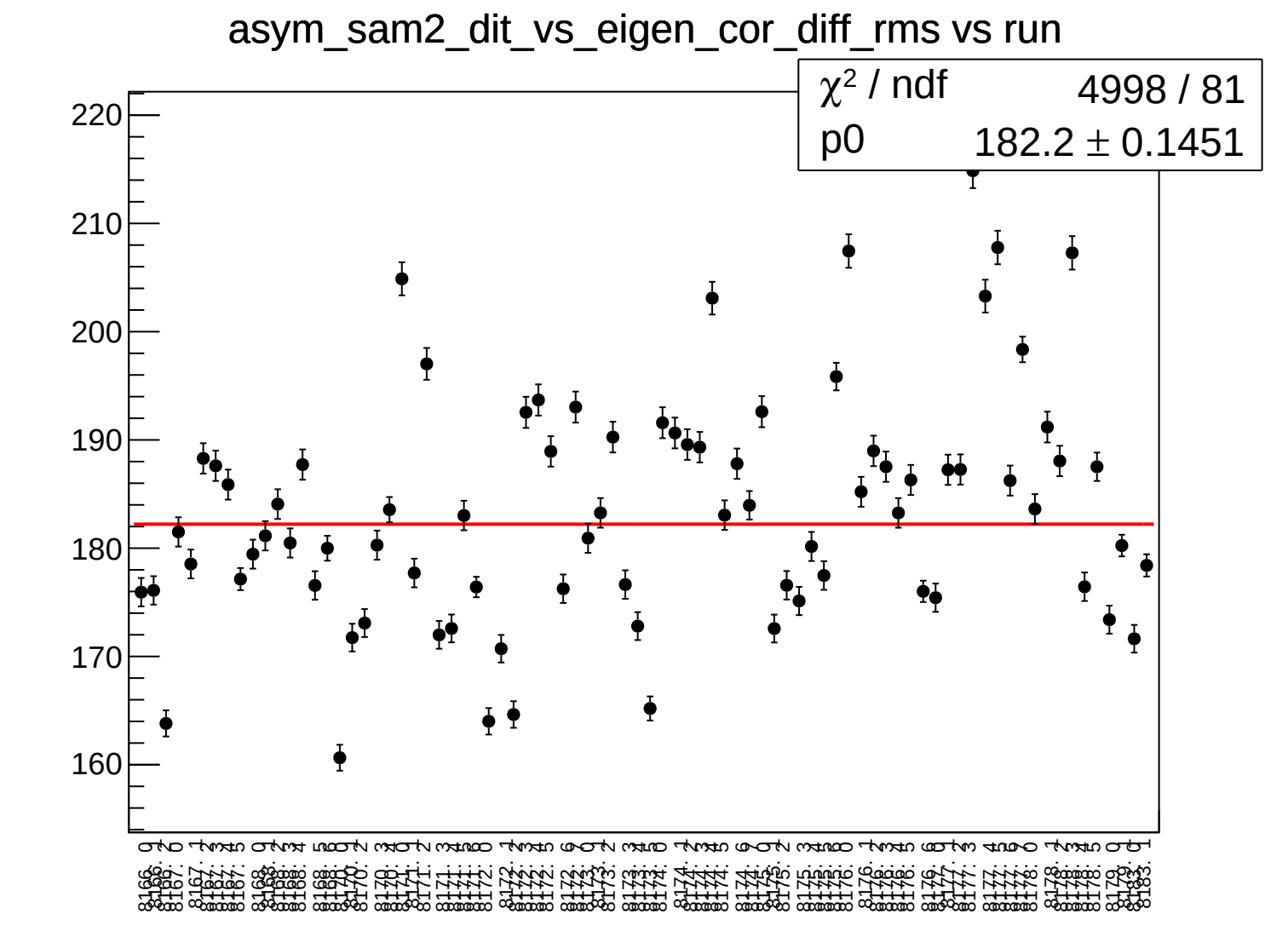

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 77.32 / 81
p0 −0.0386 ± 0.2051
pull
Entries 82
Mean −397.6
Std Dev 0

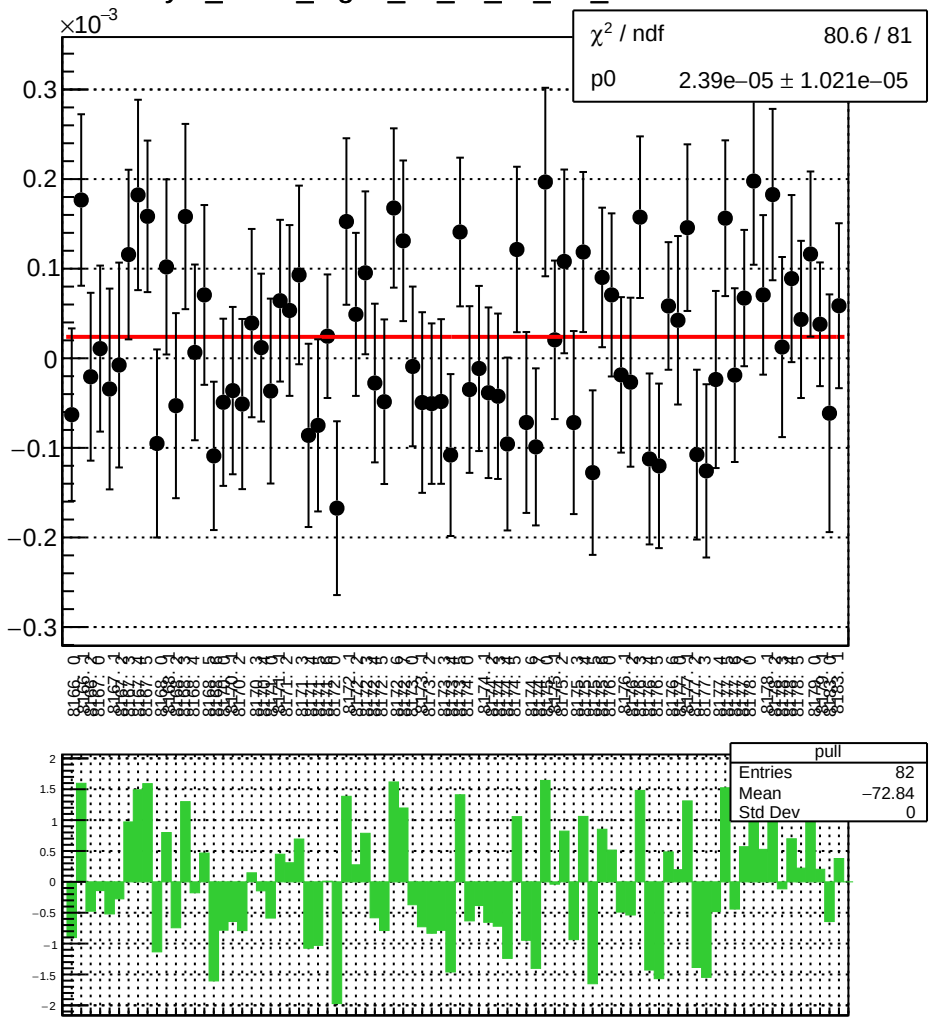

pull1D
Entries 82
Mean 0.005958
Std Dev 0.971

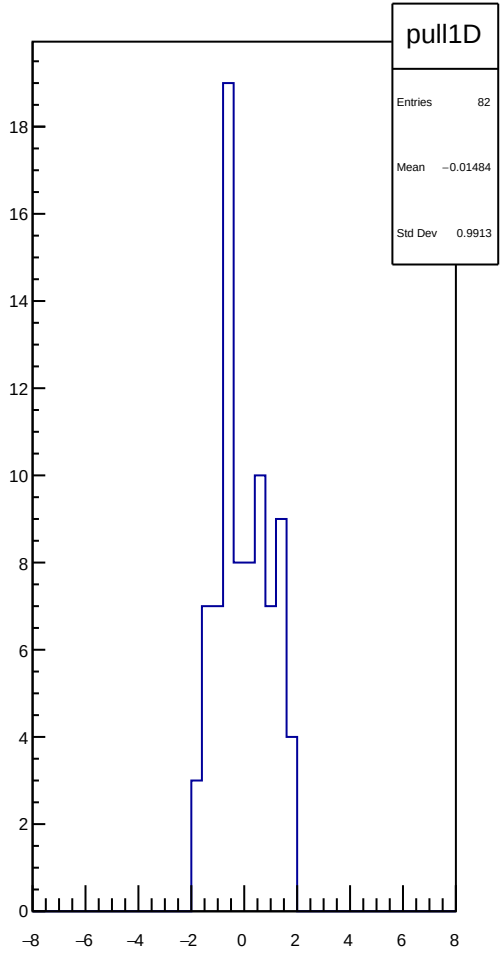

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 4998 / 81
p0 182.2 ± 0.1451
220
210
200
190
180
170
160

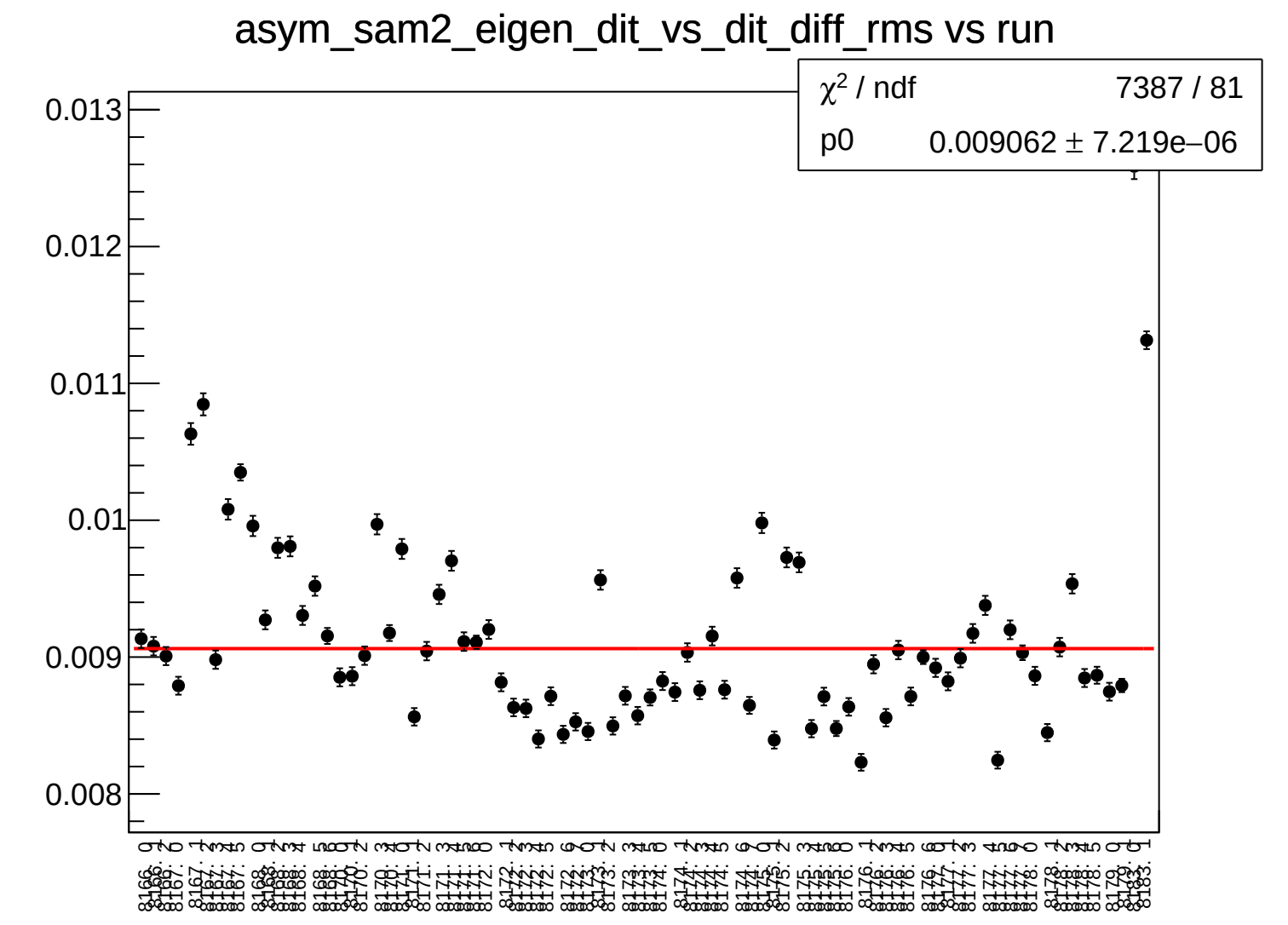

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.32 / 81
p0 −0.0386 ± 0.2051
pull
Entries 82
Mean −397.6
Std Dev 0

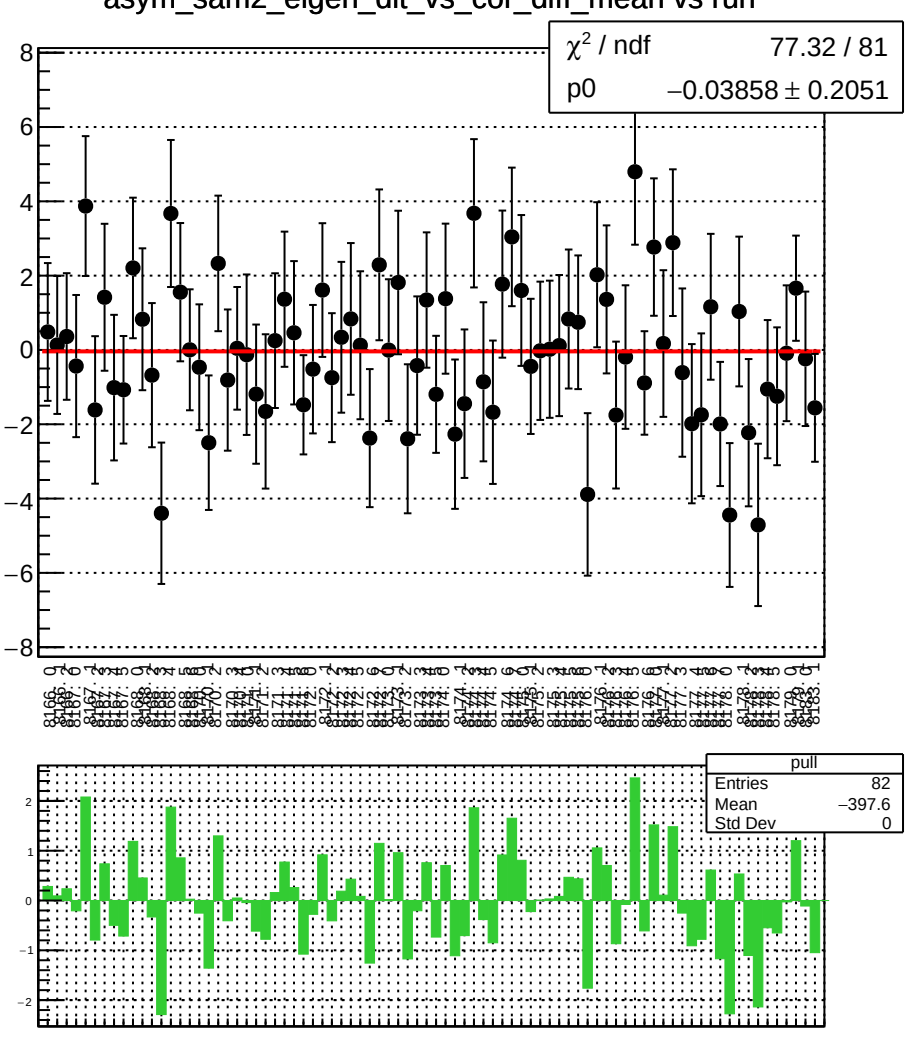

pull1D
Entries 82
Mean 0.005958
Std Dev 0.971

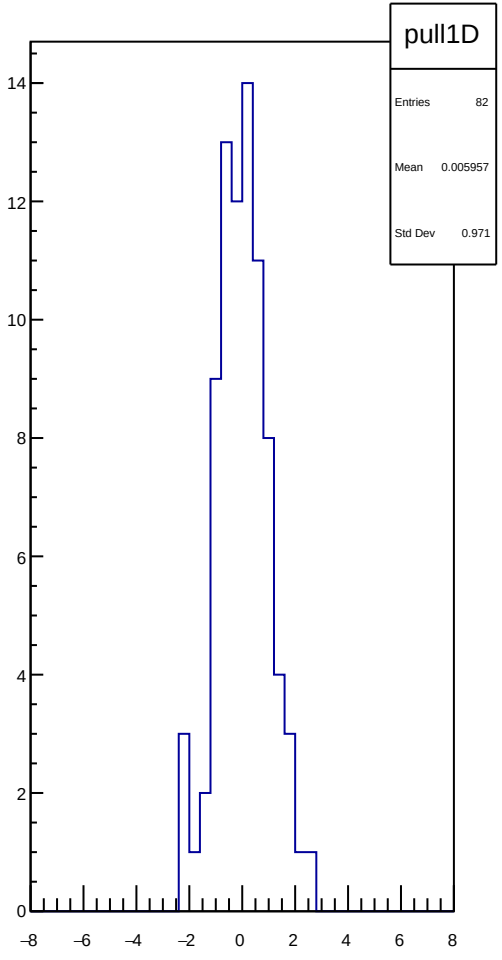

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4998 / 81
p0 182.2 ± 0.1451
220
210
200
190
180
170
160

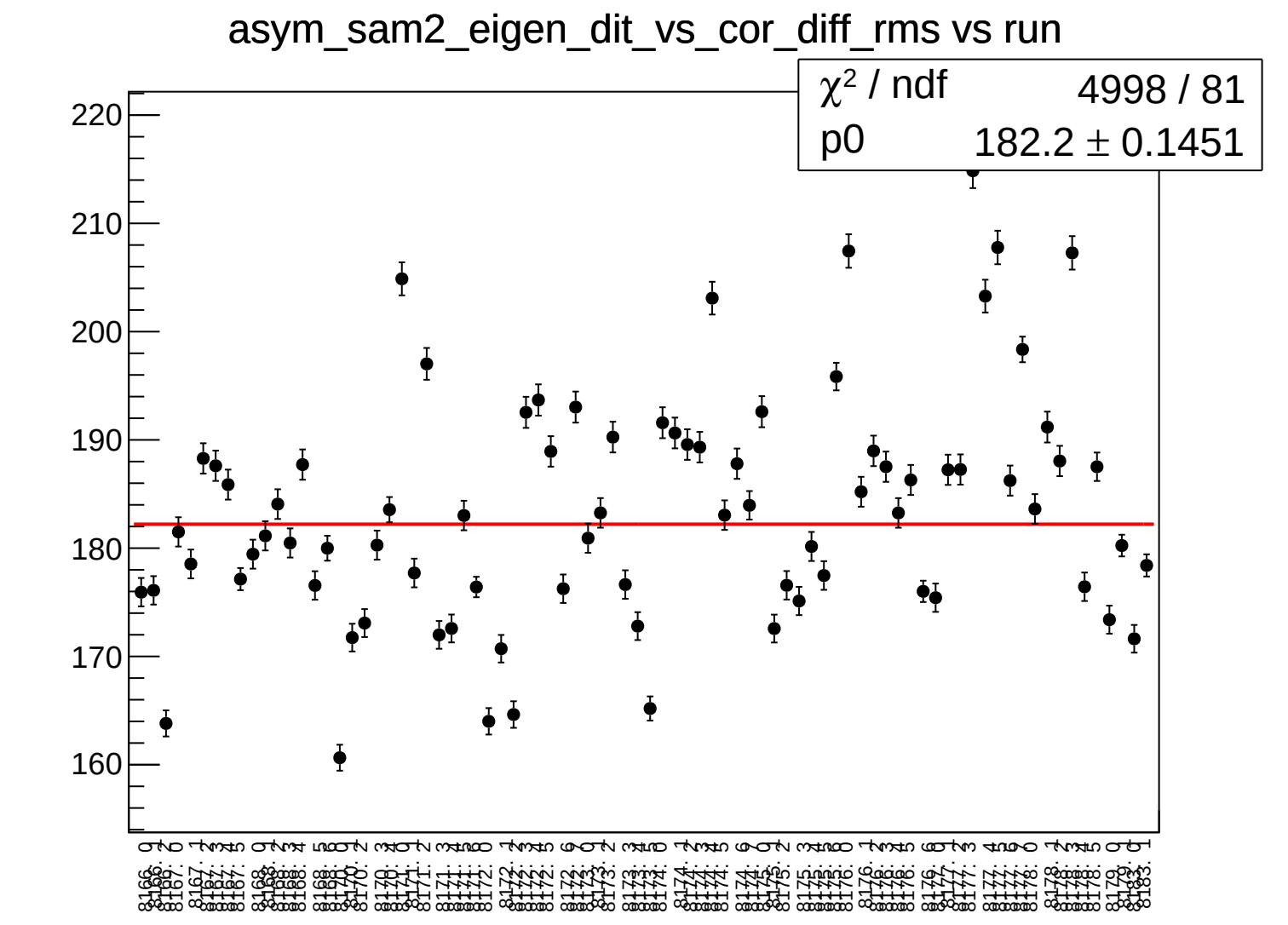

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.6 / 81
p0 2.39e−05 ± 1.021e−05
pull
Entries 82
Mean −72.84
Std Dev 0

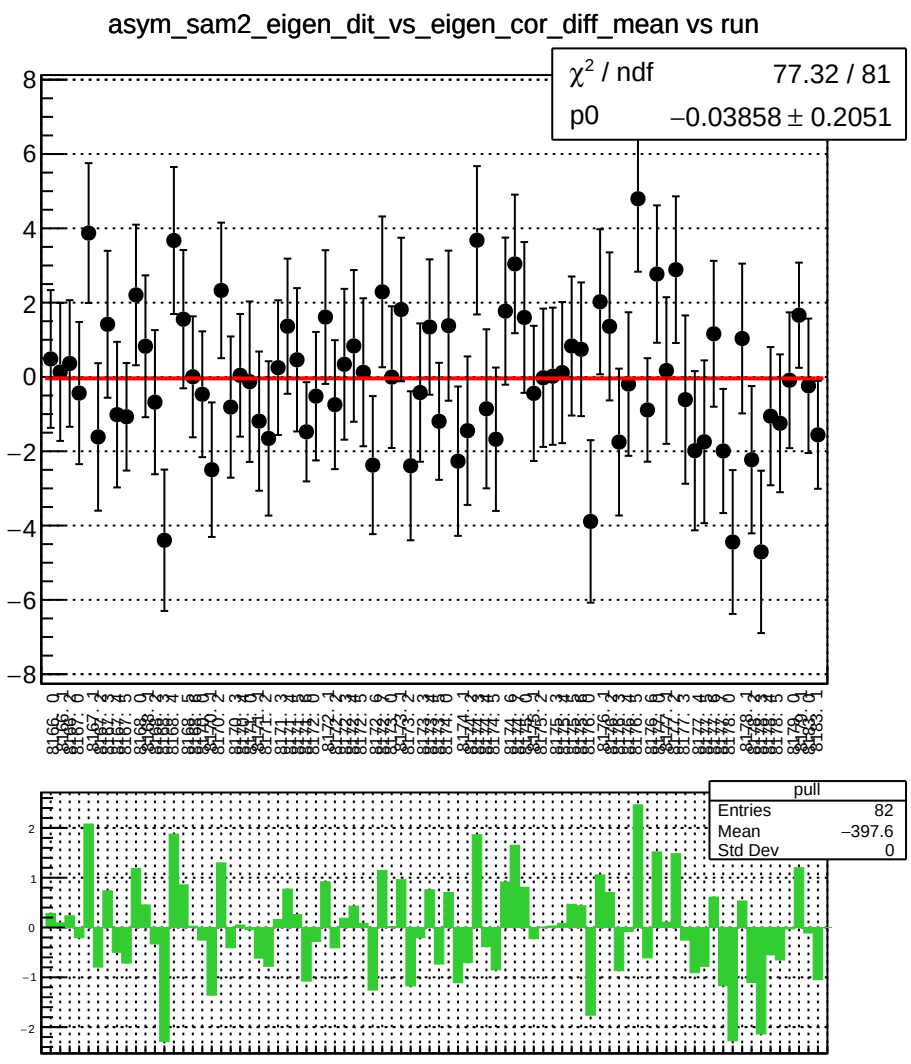

pull1D
Entries 82
Mean −0.01484
Std Dev 0.9913

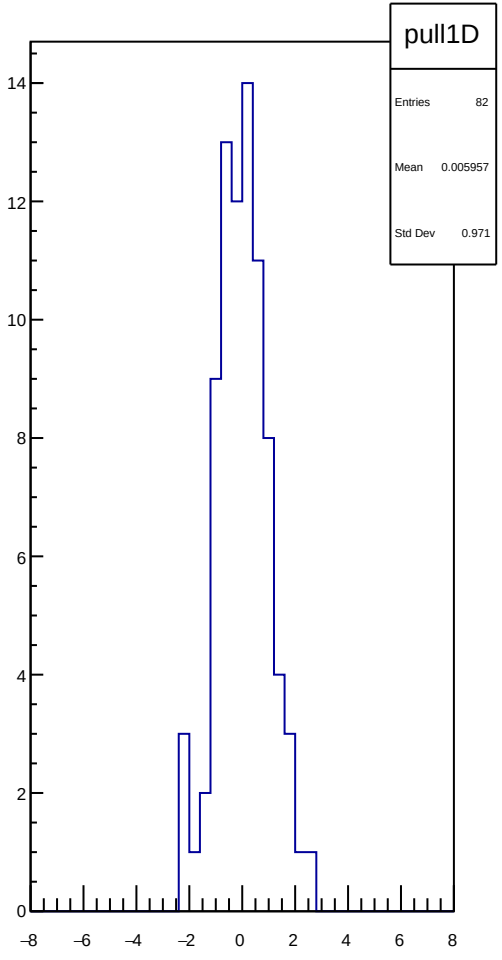

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7387 / 81
p0 0.009062 ± 7.219e−06
0.013
0.012
0.011
0.01
0.009
0.008

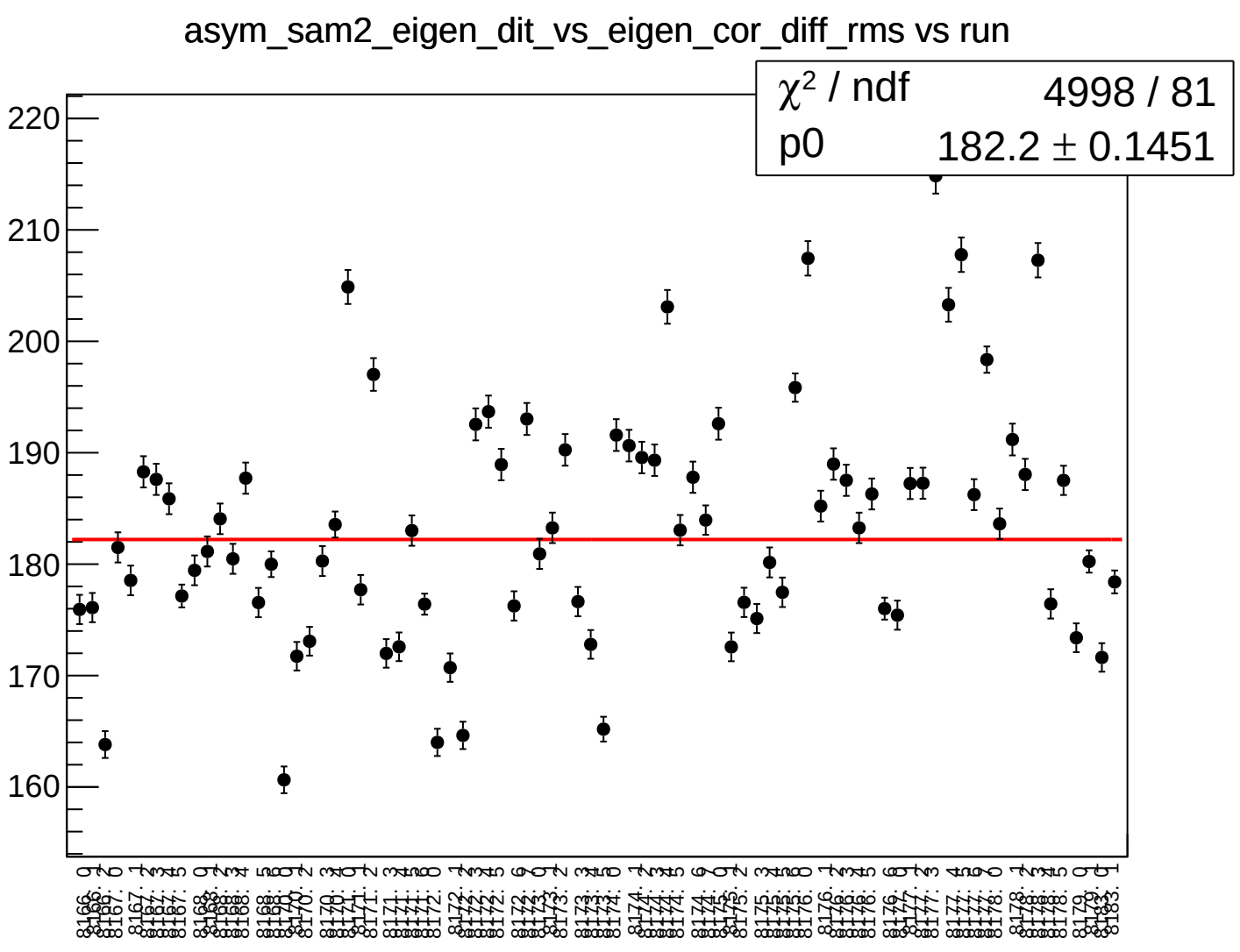

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.32 / 81
p0 −0.03858 ± 0.2051
pull
Entries 82
Mean −397.6
Std Dev 0

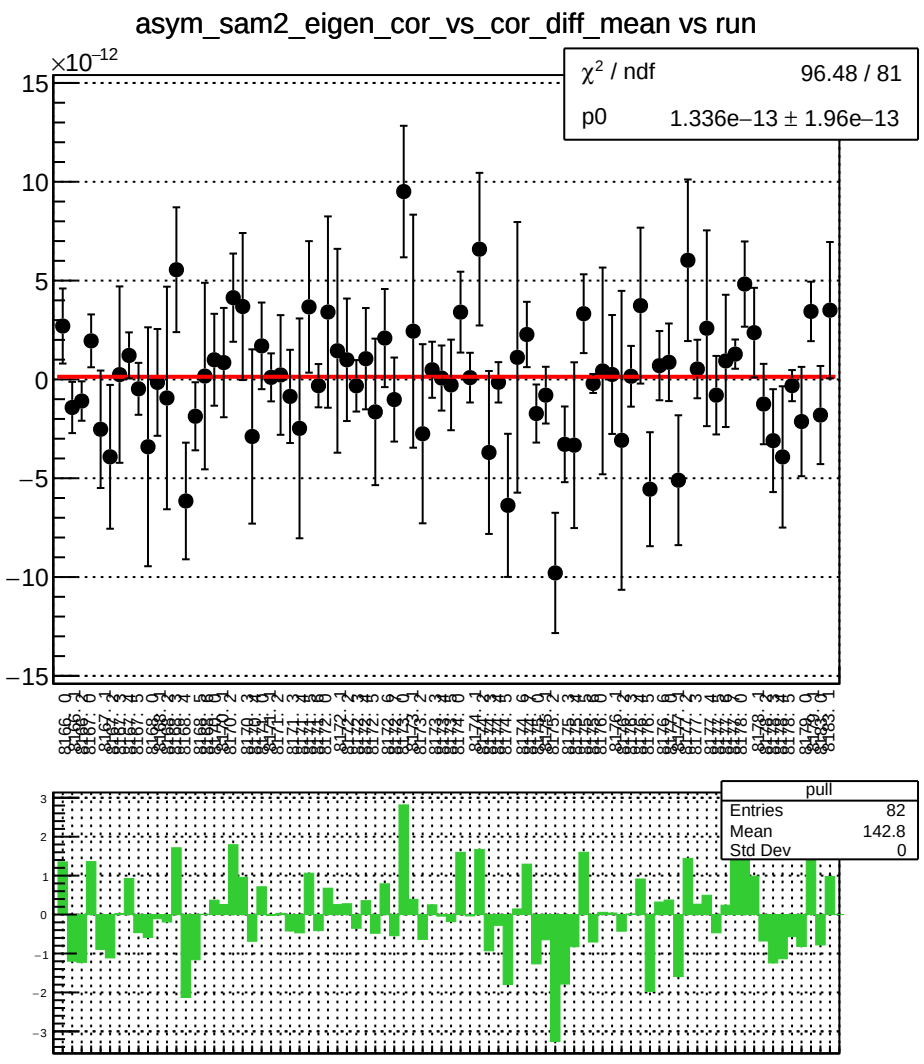

pull1D
Entries 82
Mean 0.005957
Std Dev 0.971

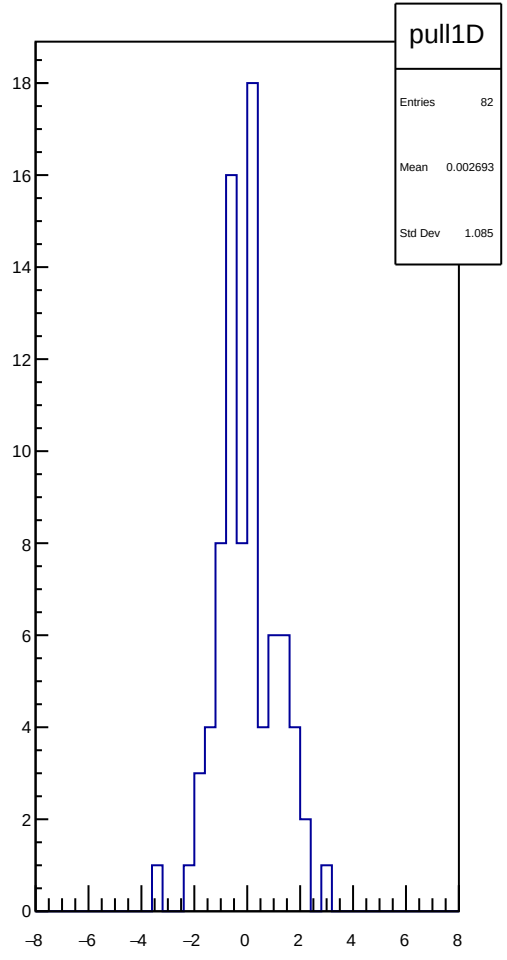

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4998 / 81
p0 182.2 ± 0.1451
220
210
200
190
180
170
160

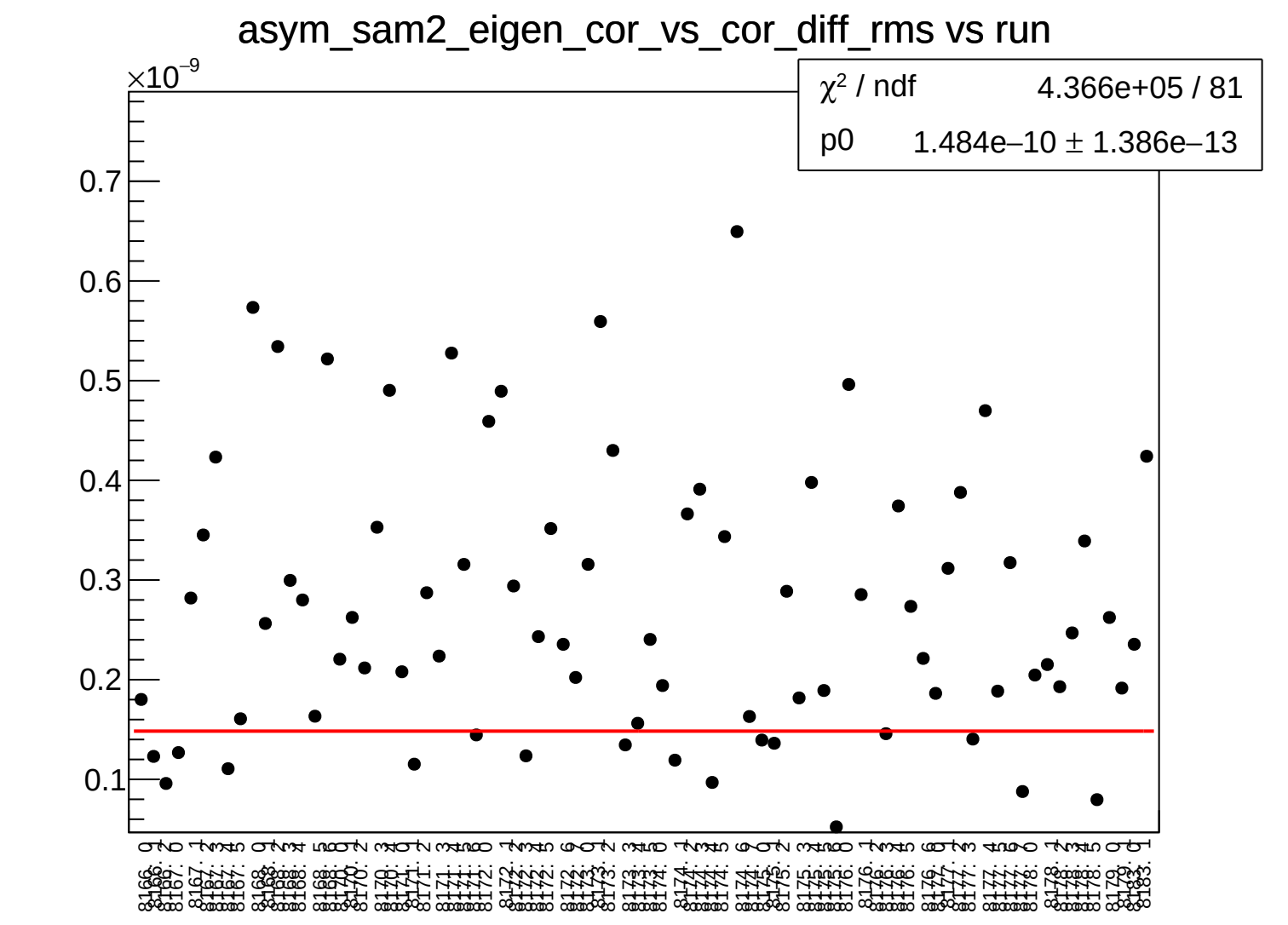

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.32 / 81
p0 −0.03858 ± 0.2051
pull
Entries 82
Mean −397.6
Std Dev 0

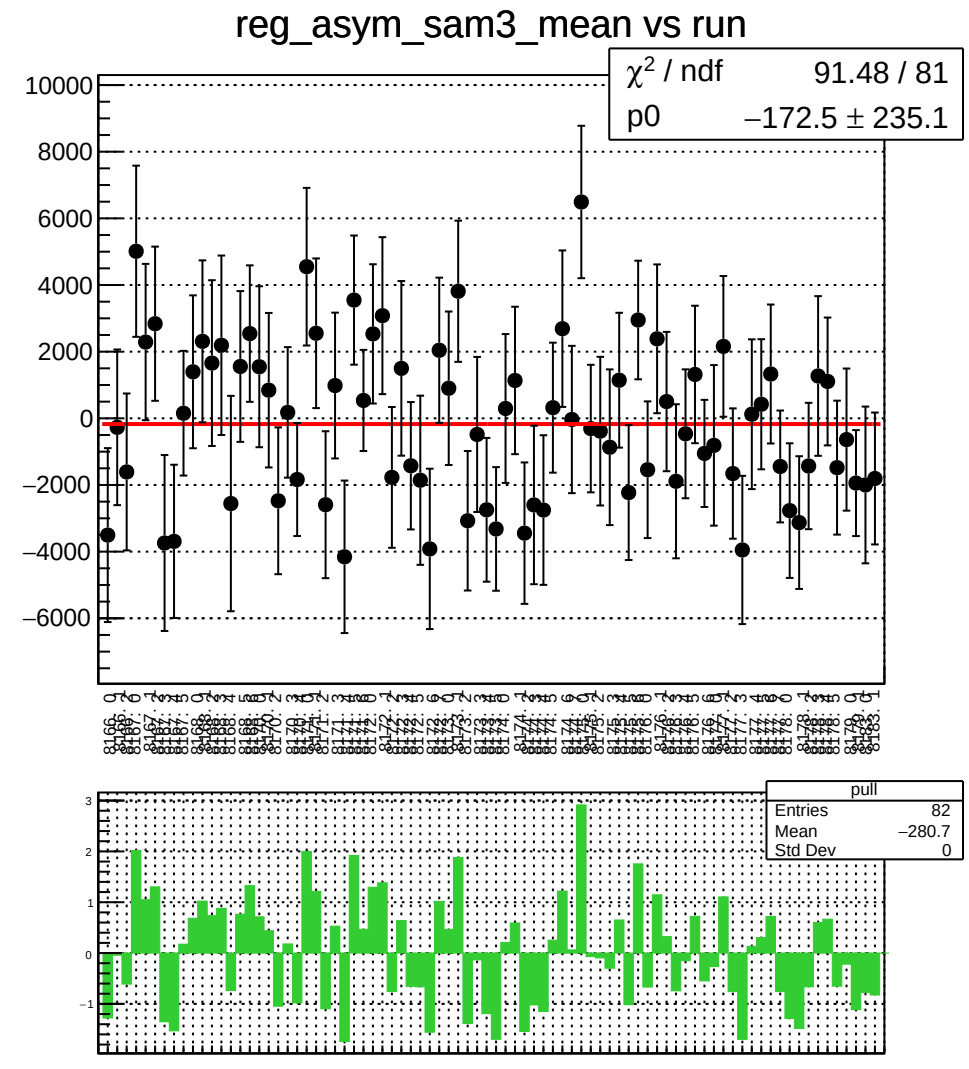

pull1D
Entries 82
Mean 0.005957
Std Dev 0.971

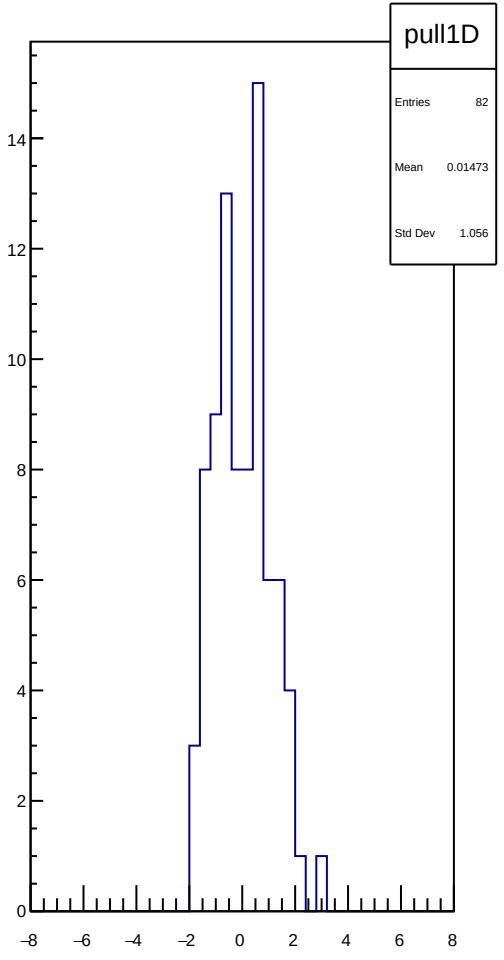

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4998 / 81
p0 182.2 ± 0.1451
220
210
200
190
180
170
160

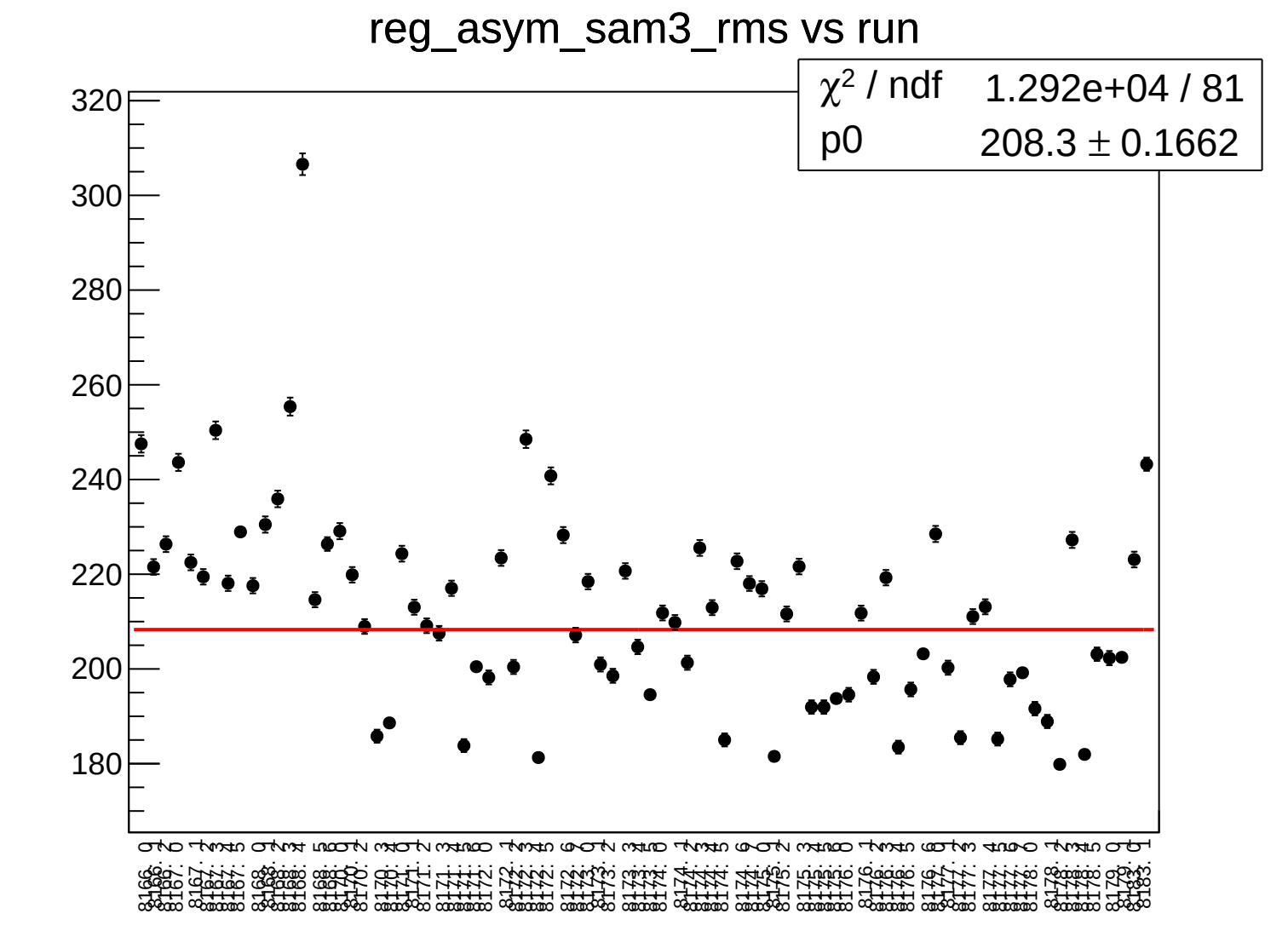

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 96.48 / 81
p0 1.336e−13 ± 1.96e−13
pull
Entries 82
Mean 142.8
Std Dev 0

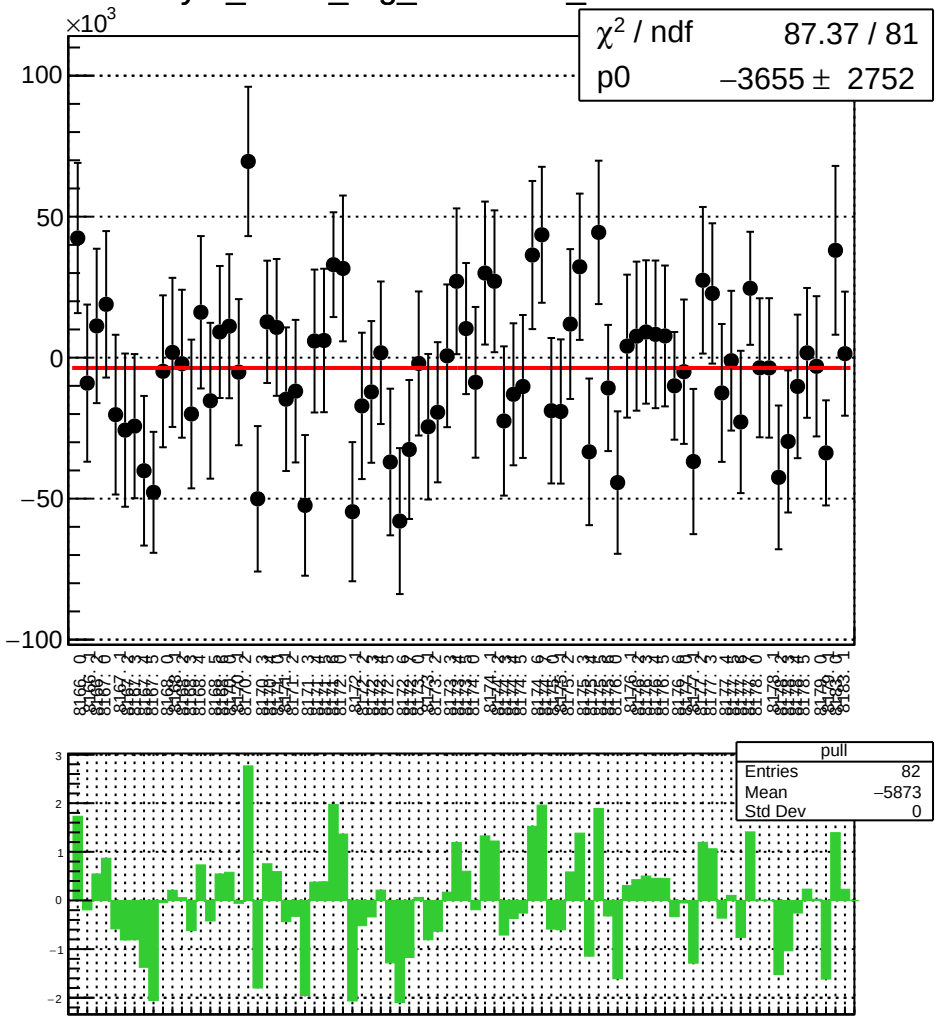

pull1D
Entries 82
Mean 0.002693
Std Dev 1.085

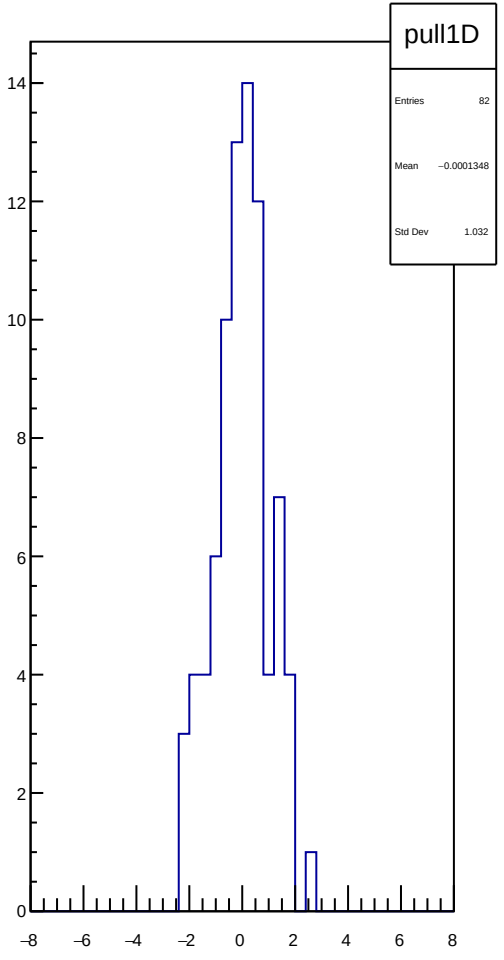

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.366e+05 / 81
p0 1.484e−10 ± 1.386e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

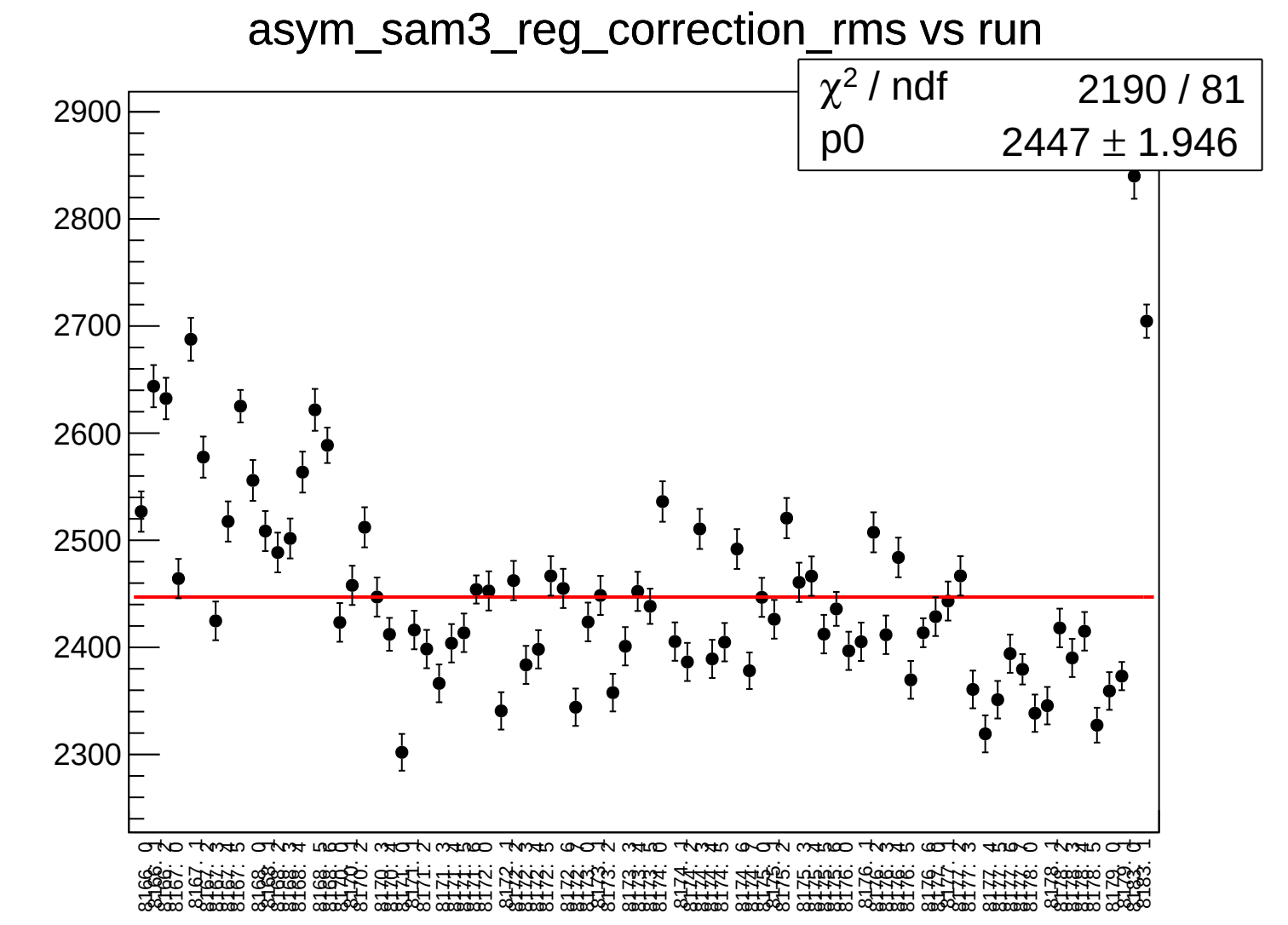

reg_asym_sam3_mean vs run
χ² / ndf 91.48 / 81
p0 −172.5 ± 235.1
pull
Entries 82
Mean −280.7
Std Dev 0

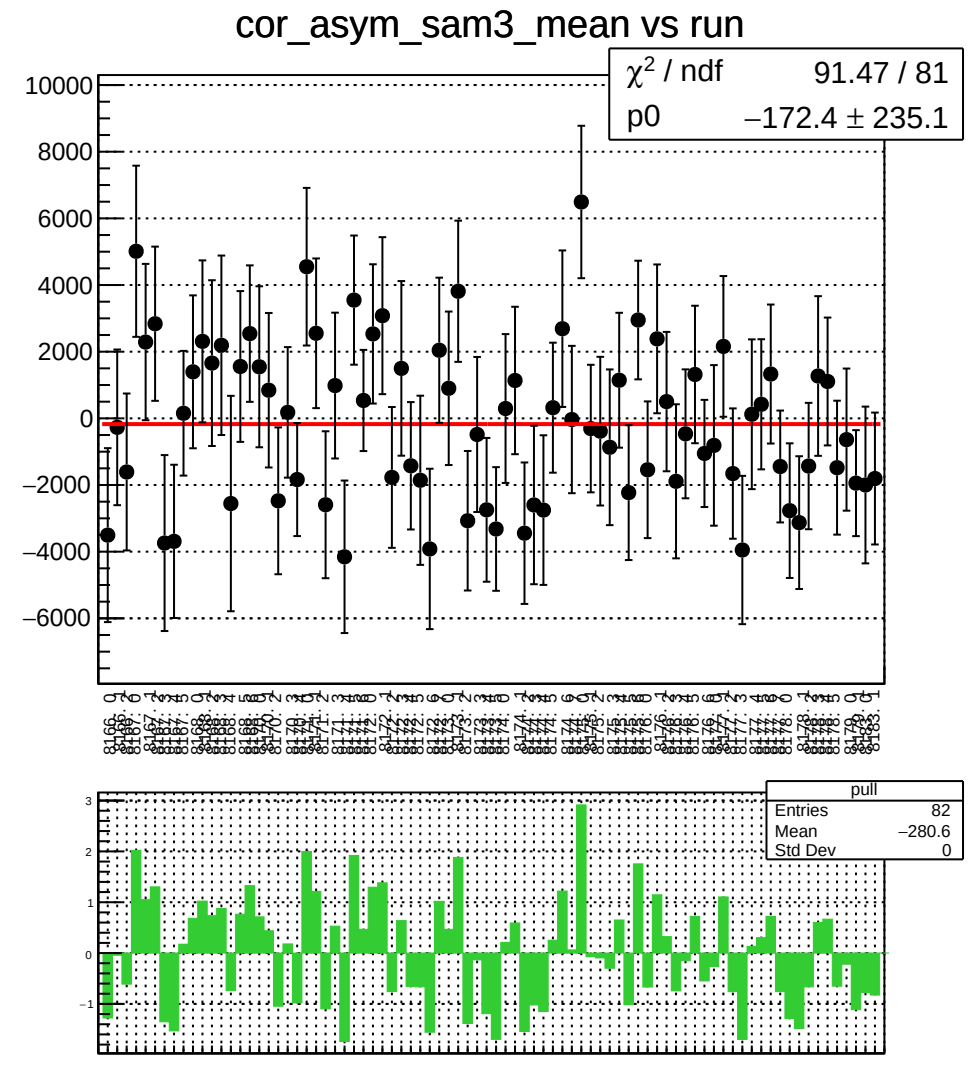

pull1D
Entries 82
Mean 0.01473
Std Dev 1.056

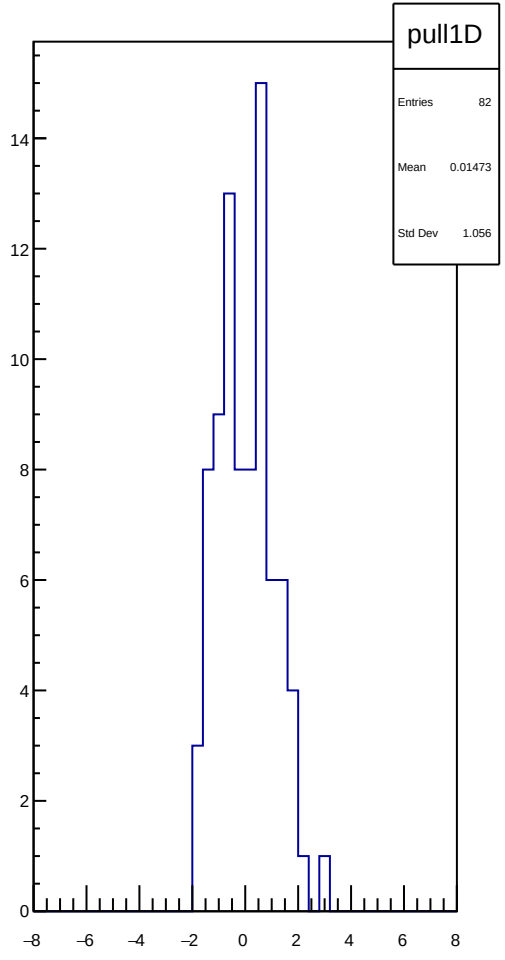

reg_asym_sam3_rms vs run
χ² / ndf 1.292e+04 / 81
p0 208.3 ± 0.1662
320
300
280
260
240
220
200
180

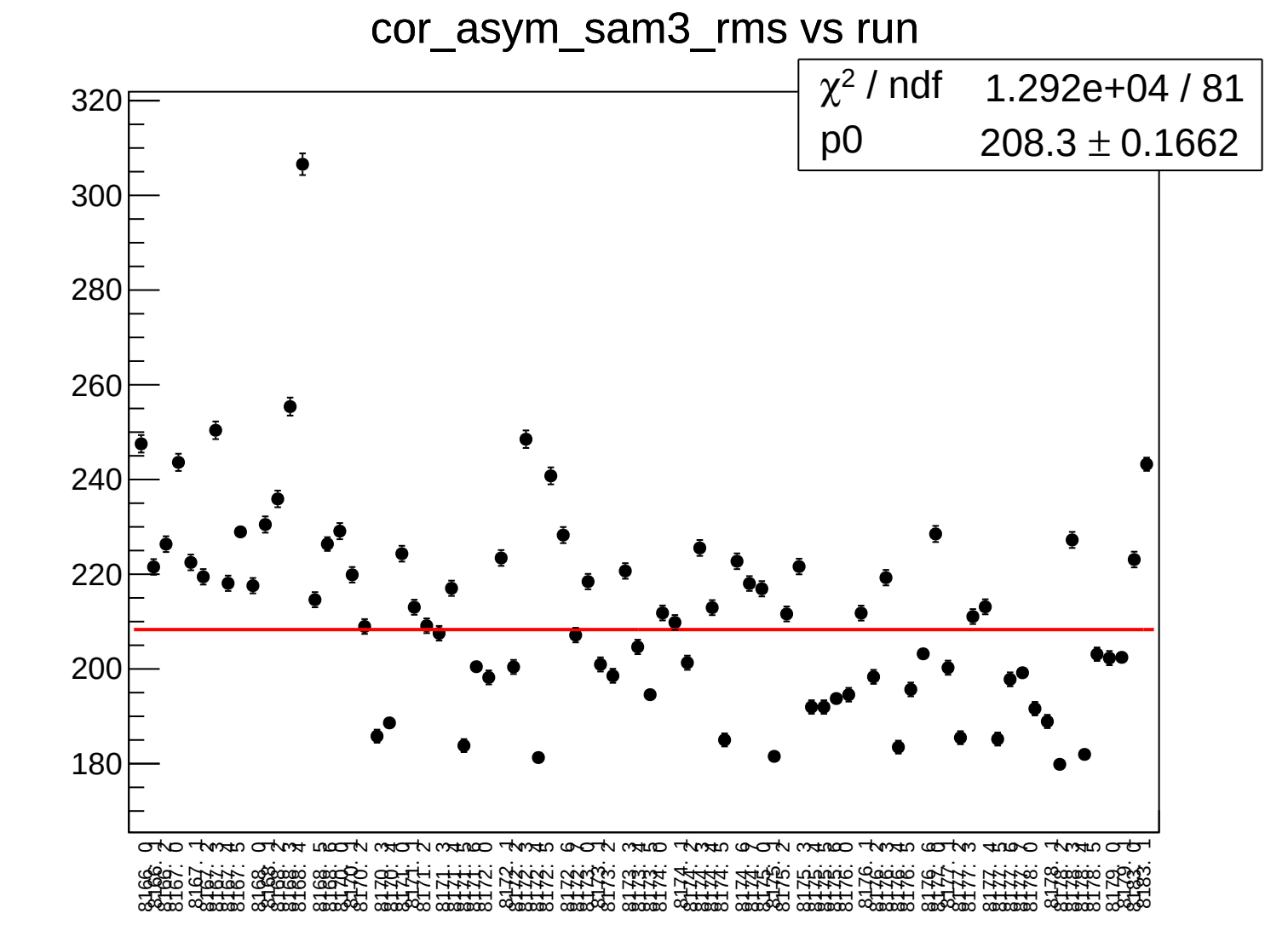

asym_sam3_reg_correction_mean vs run
χ² / ndf 87.37 / 81
p0 −3655 ± 2752
pull
Entries 82
Mean −5873
Std Dev 0

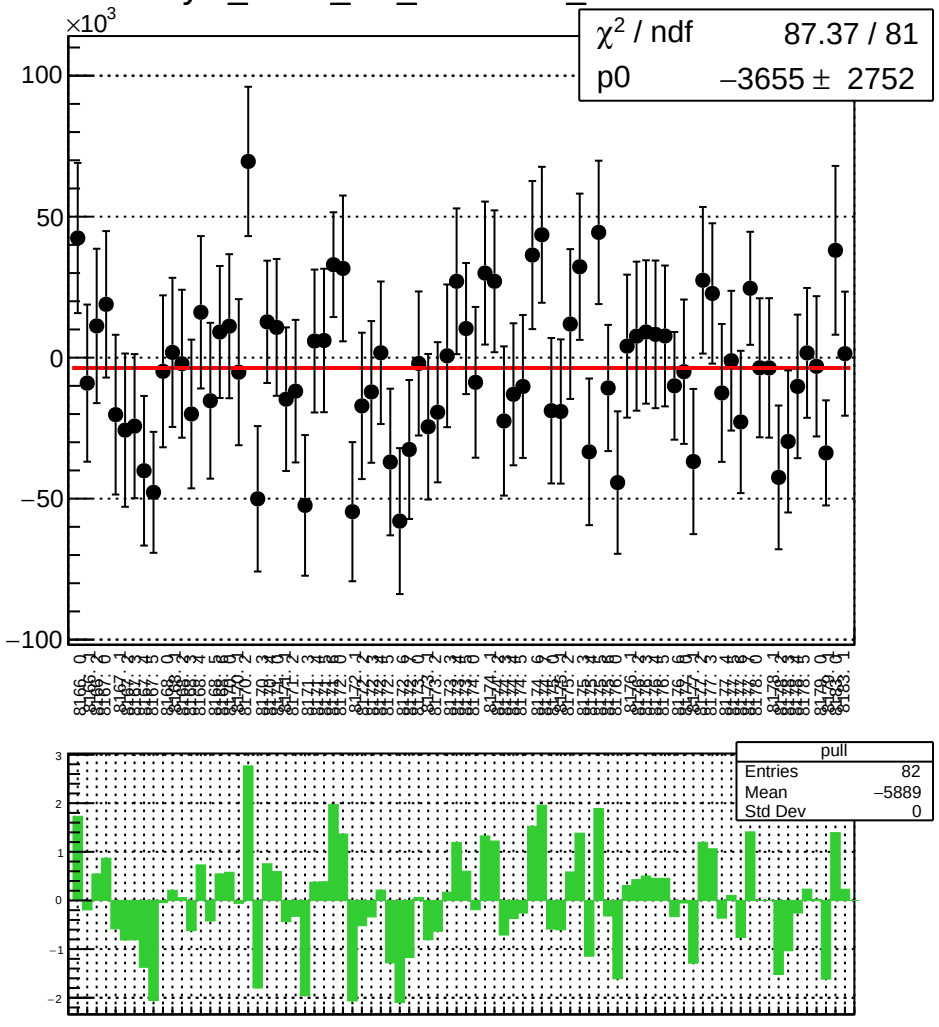

pull1D
Entries 82
Mean −0.0001348
Std Dev 1.032

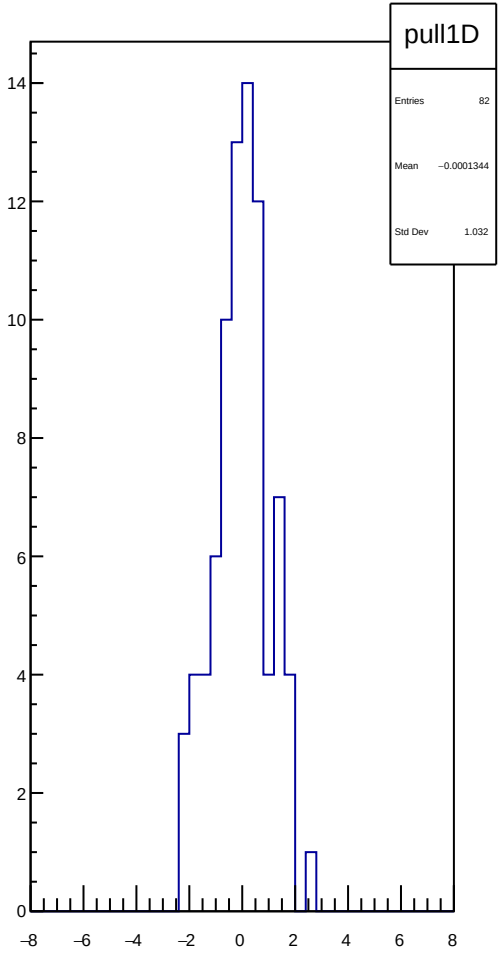

asym_sam3_reg_correction_rms vs run
χ² / ndf 2190 / 81
p0 2447 ± 1.946
2900
2800
2700
2600
2500
2400
2300

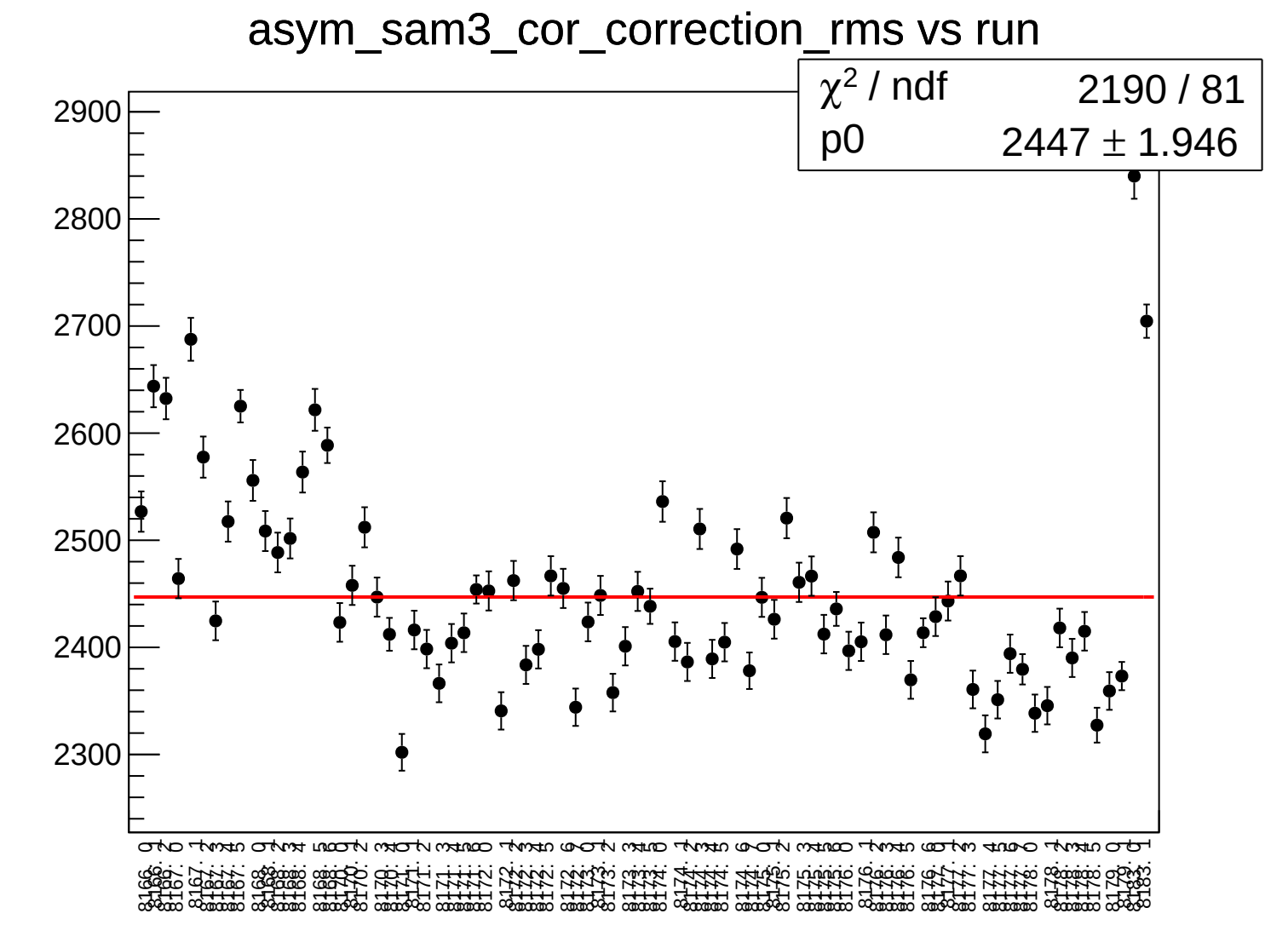

cor_asym_sam3_mean vs run
χ² / ndf 91.47 / 81
p0 −172.4 ± 235.1
pull
Entries 82
Mean −280.6
Std Dev 0

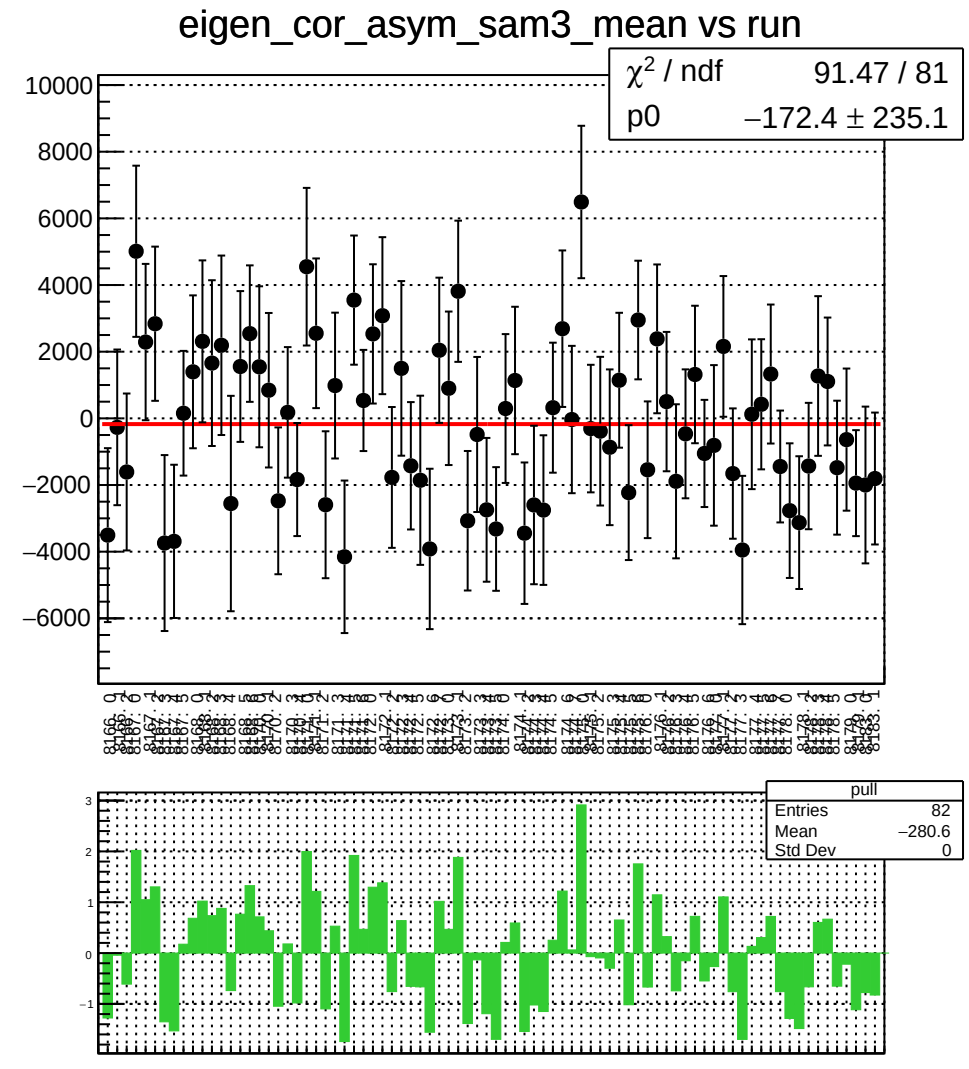

pull1D
Entries 82
Mean 0.01473
Std Dev 1.056

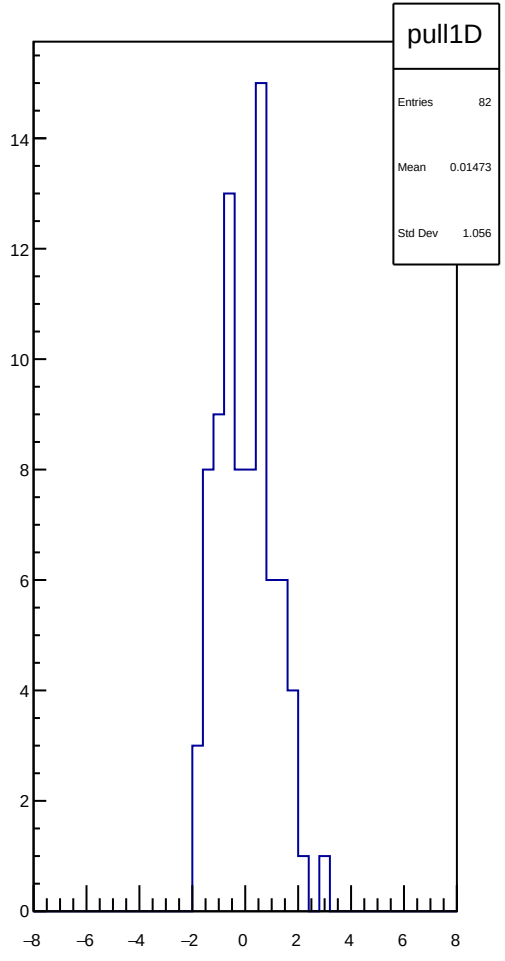

cor_asym_sam3_rms vs run
χ² / ndf 1.292e+04 / 81
p0 208.3 ± 0.1662
320
300
280
260
240
220
200
180

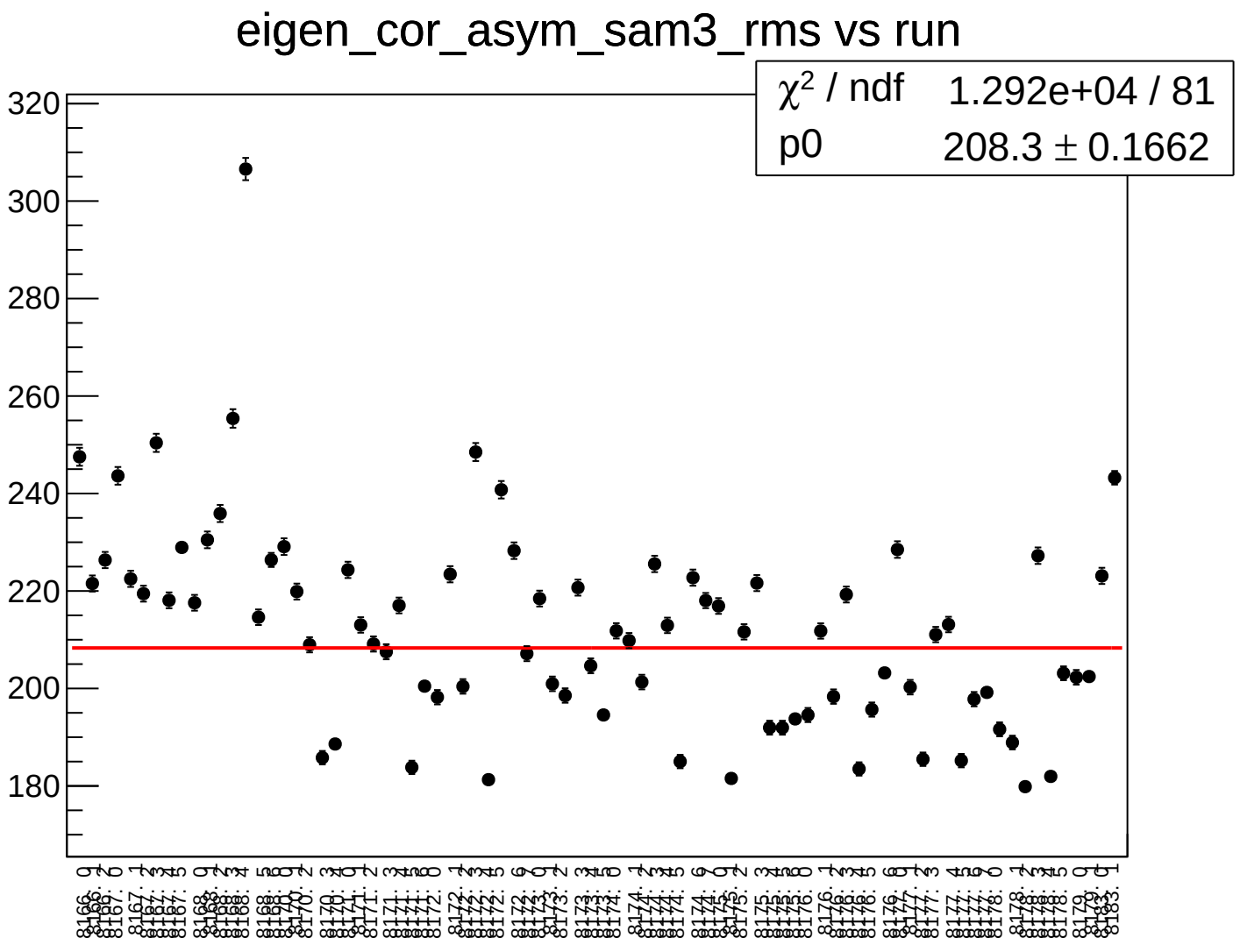

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 87.37 / 81
p0 −3655 ± 2752
100
50
0
−50
−100
pull
Entries 82
Mean −5889
Std Dev 0
3
2
1
0
−1
−2

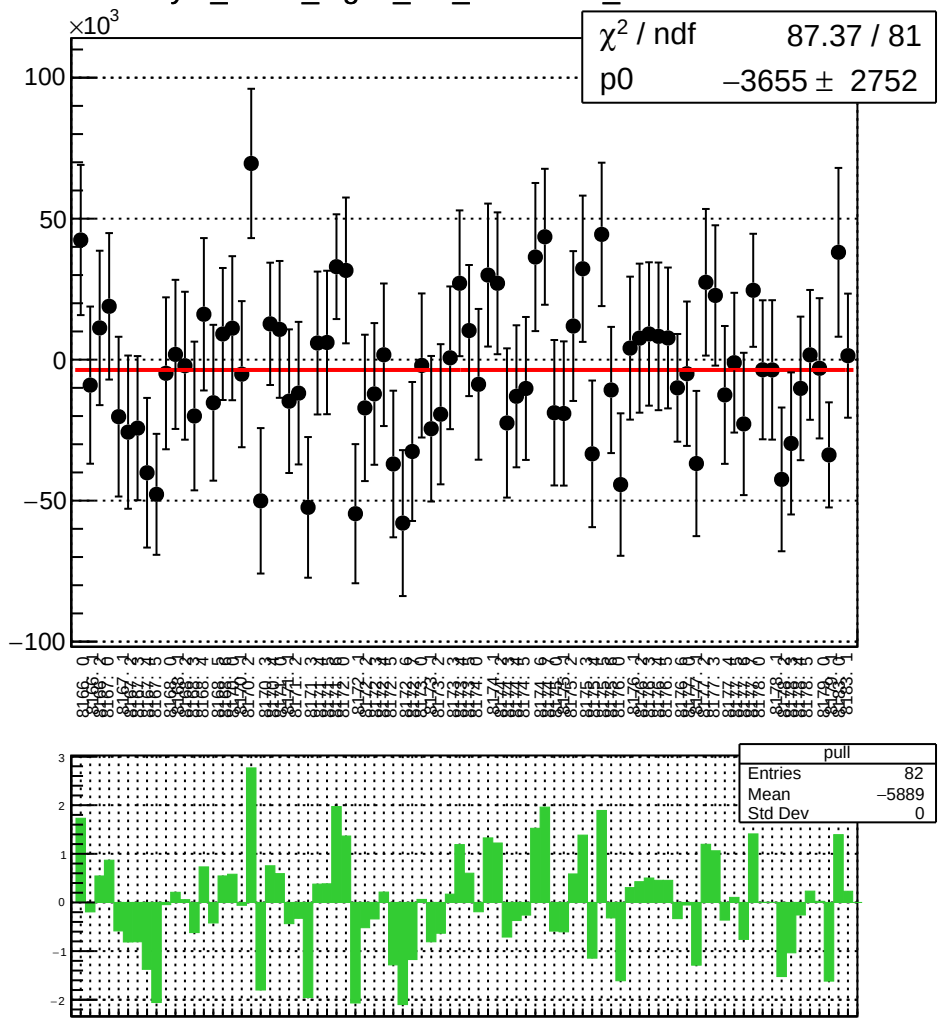

pull1D
Entries 82
Mean −0.0001344
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

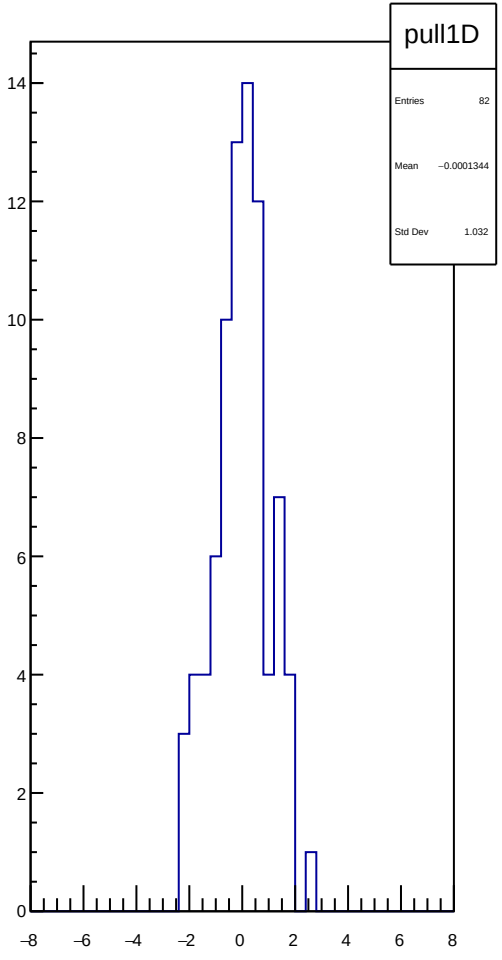

asym_sam3_cor_correction_rms vs run
χ² / ndf 2190 / 81
p0 2447 ± 1.946
2900
2800
2700
2600
2500
2400
2300

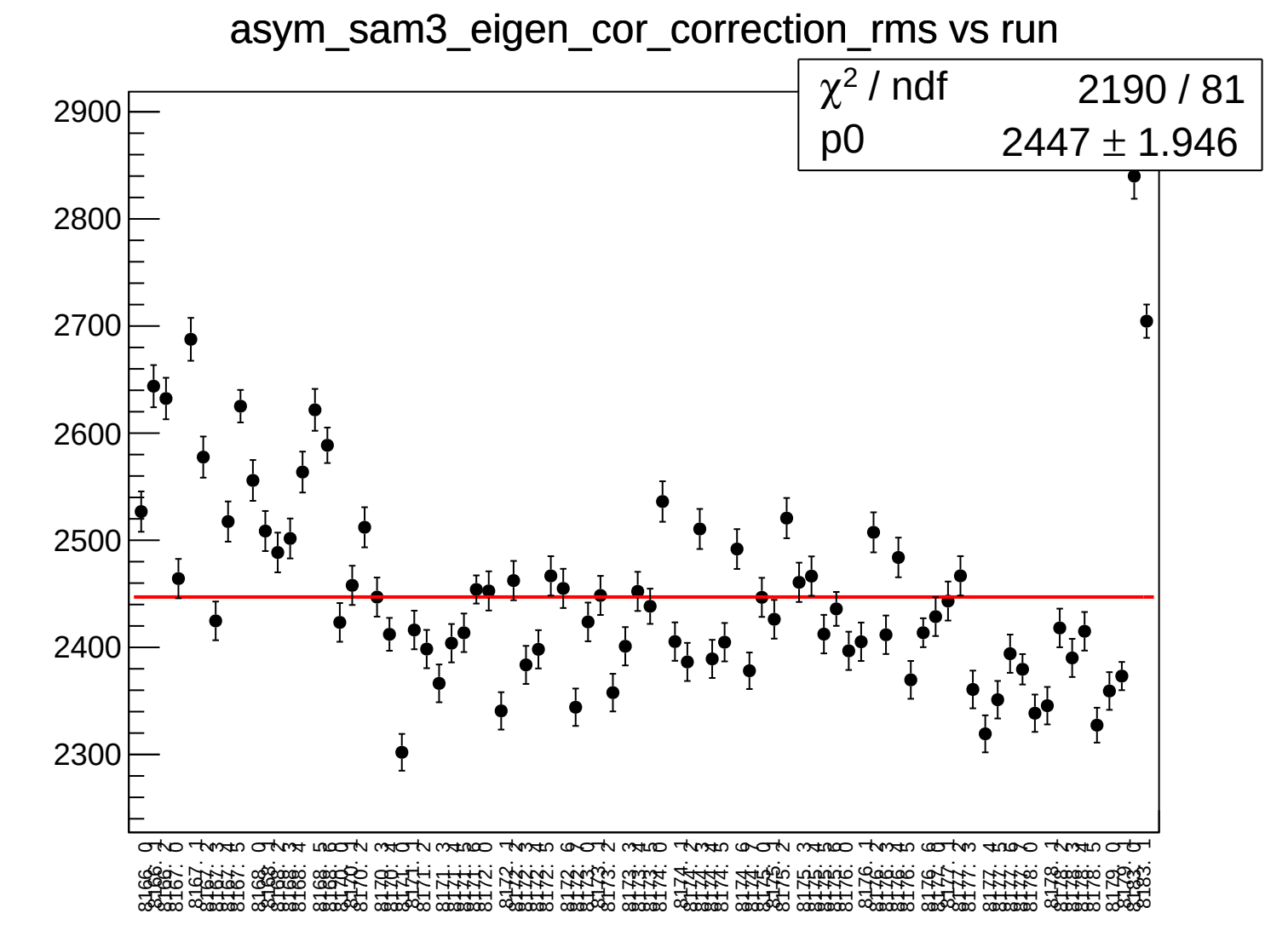

eigen_cor_asym_sam3_mean vs run
χ² / ndf 91.47 / 81
p0 −172.4 ± 235.1
pull
Entries 82
Mean −280.6
Std Dev 0

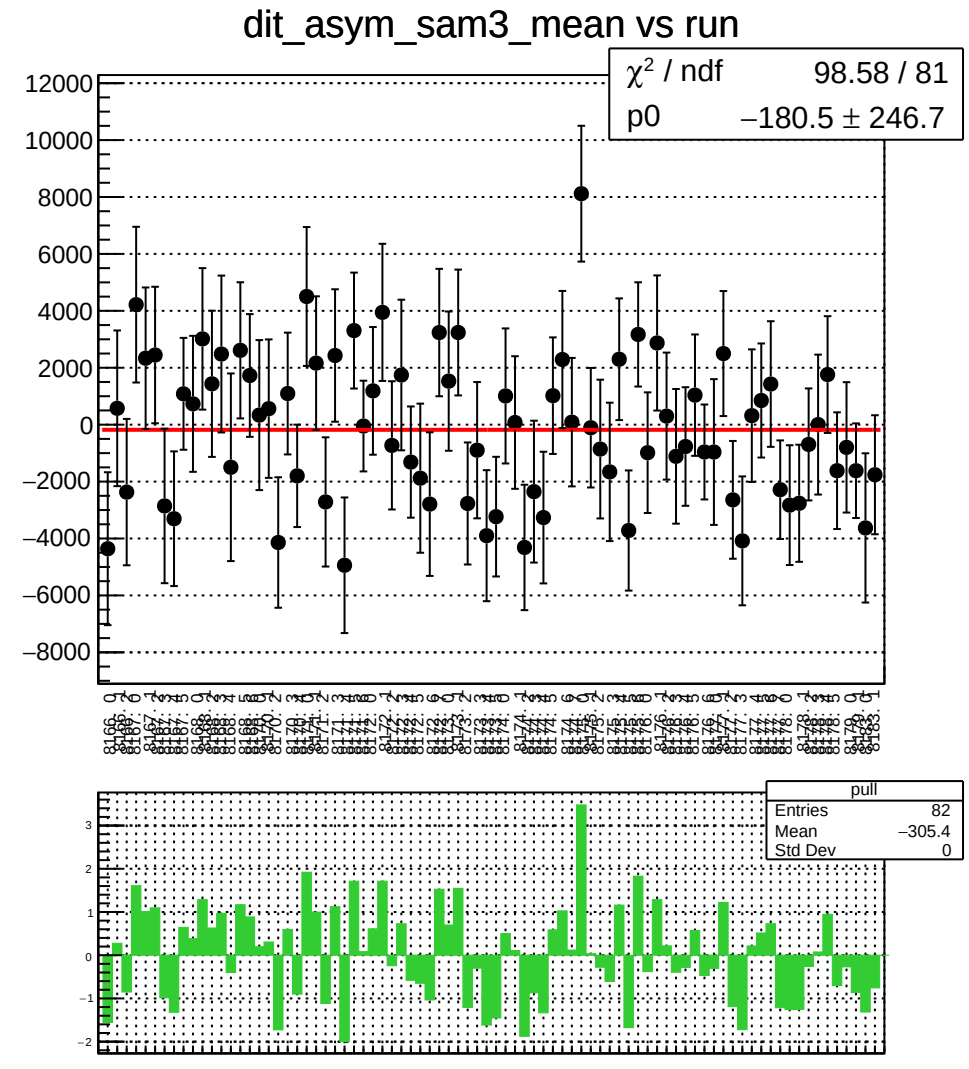

pull1D
Entries 82
Mean 0.01473
Std Dev 1.056

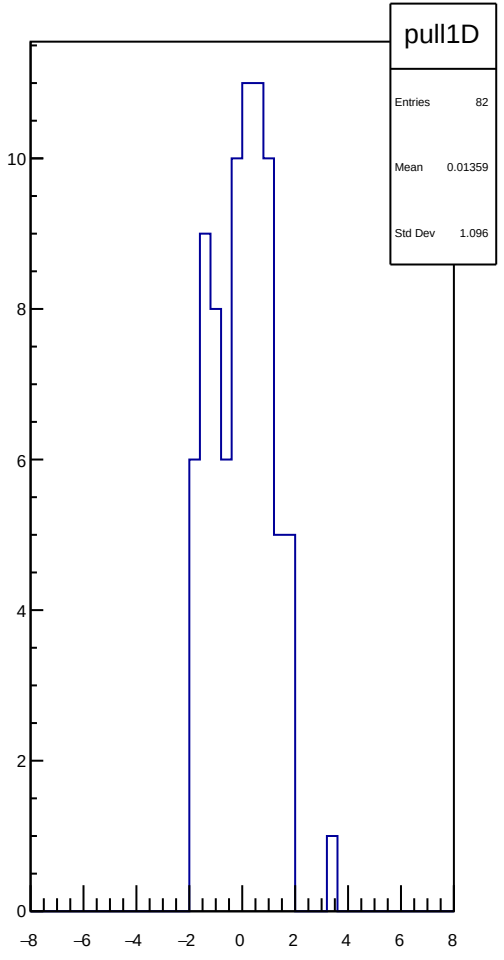

eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.292e+04 / 81
p0 208.3 ± 0.1662
320
300
280
260
240
220
200
180

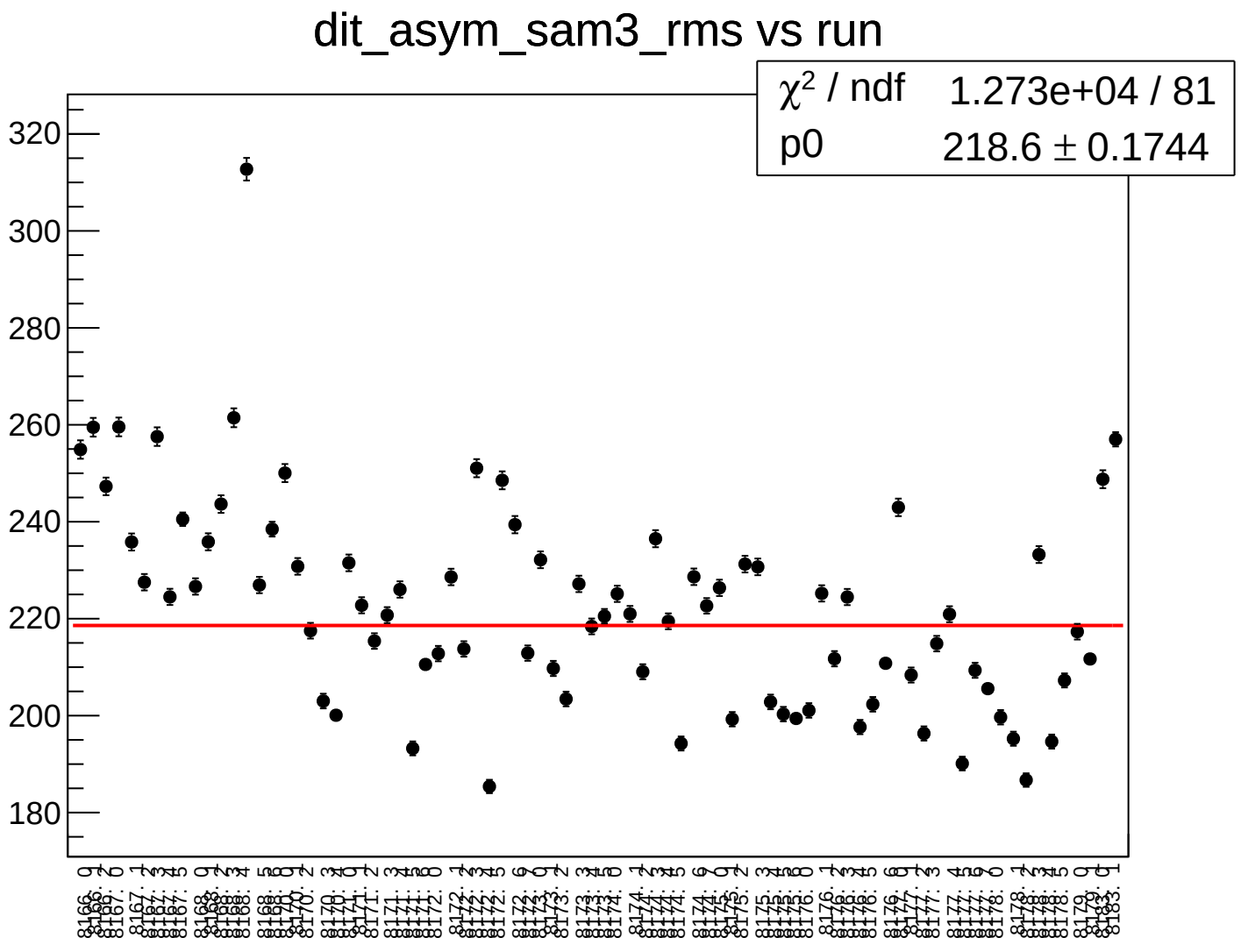

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 87.37 / 81
p0 −3655 ± 2752
100
50
0
−50
−100
pull
Entries 82
Mean −5889
Std Dev 0
3
2
1
0
−1
−2

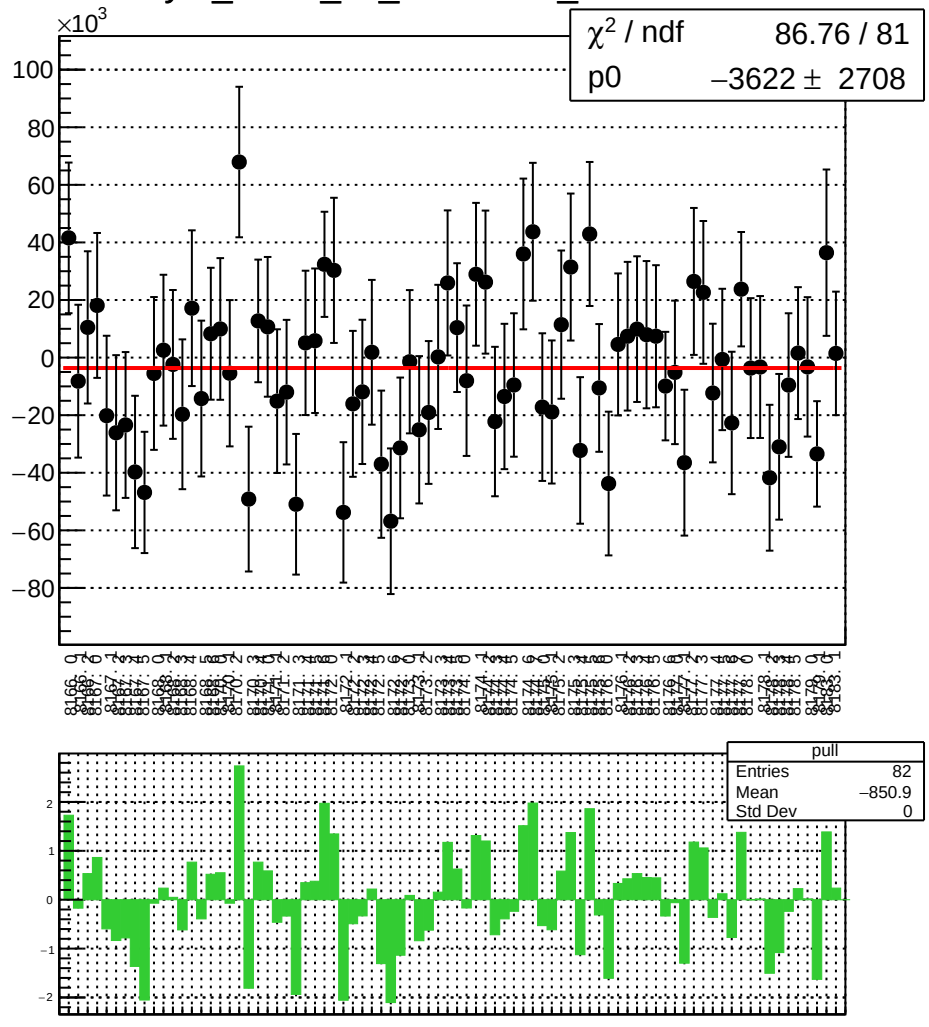

pull1D
Entries 82
Mean −0.0001344
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

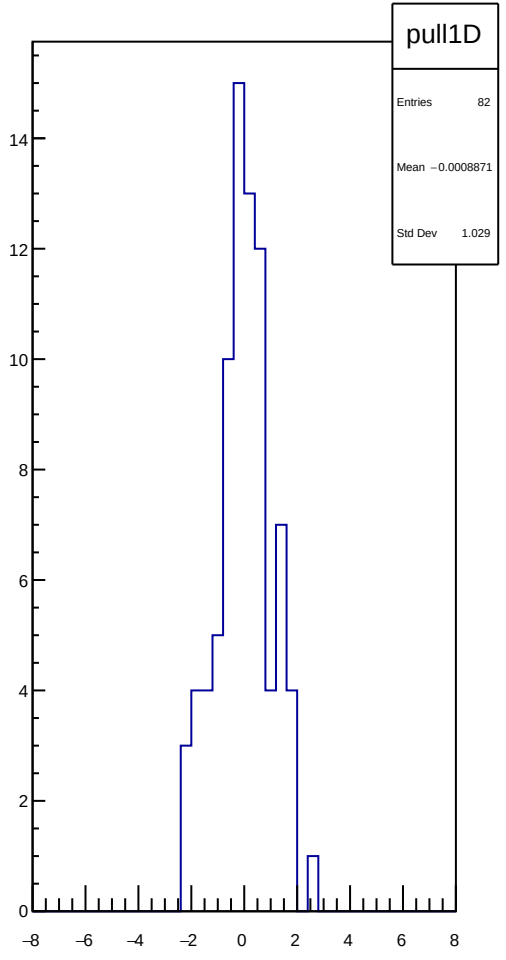

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 2190 / 81
p0 2447 ± 1.946
2900
2800
2700
2600
2500
2400
2300

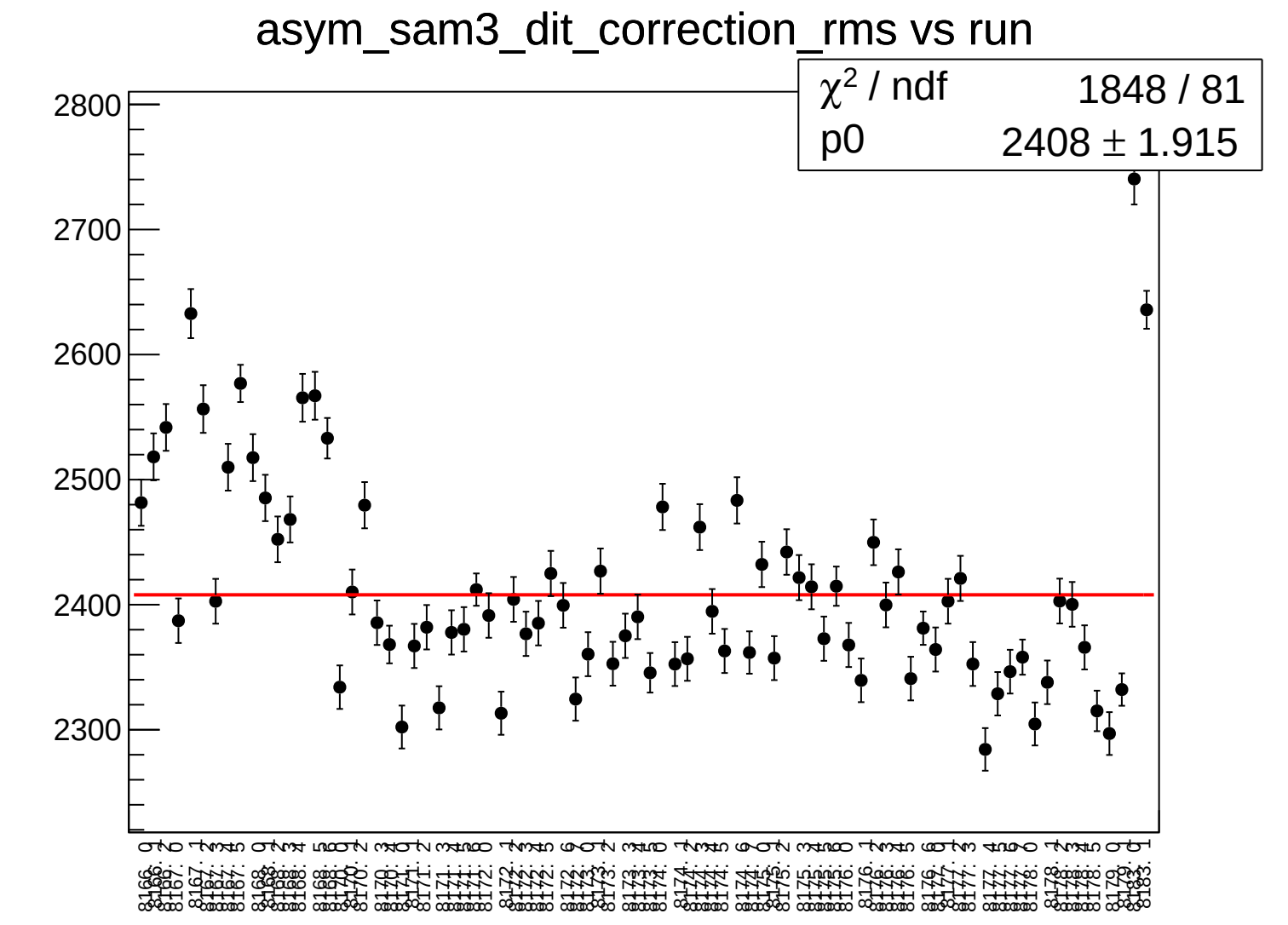

dit_asym_sam3_mean vs run
χ² / ndf 98.58 / 81
p0 −180.5 ± 246.7
pull
Entries 82
Mean −305.4
Std Dev 0

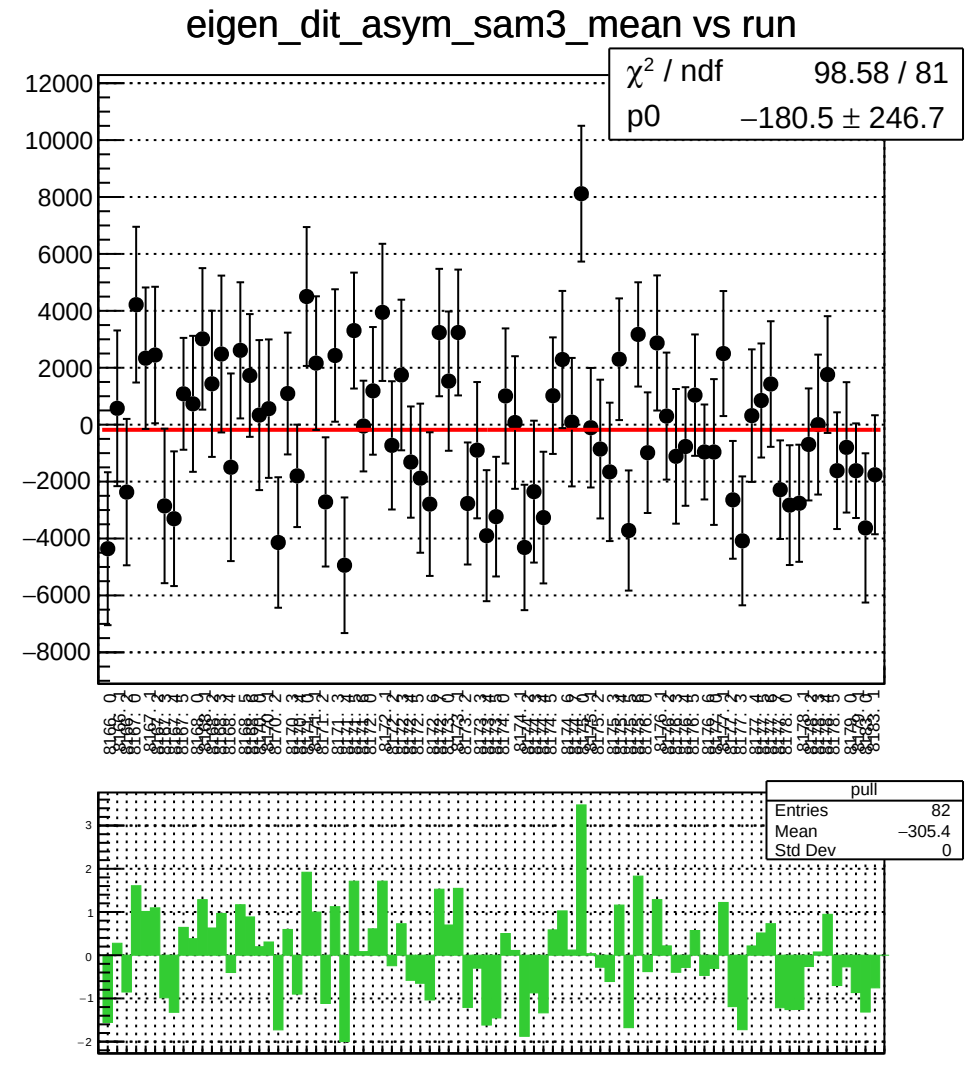

pull1D
Entries 82
Mean 0.01359
Std Dev 1.096

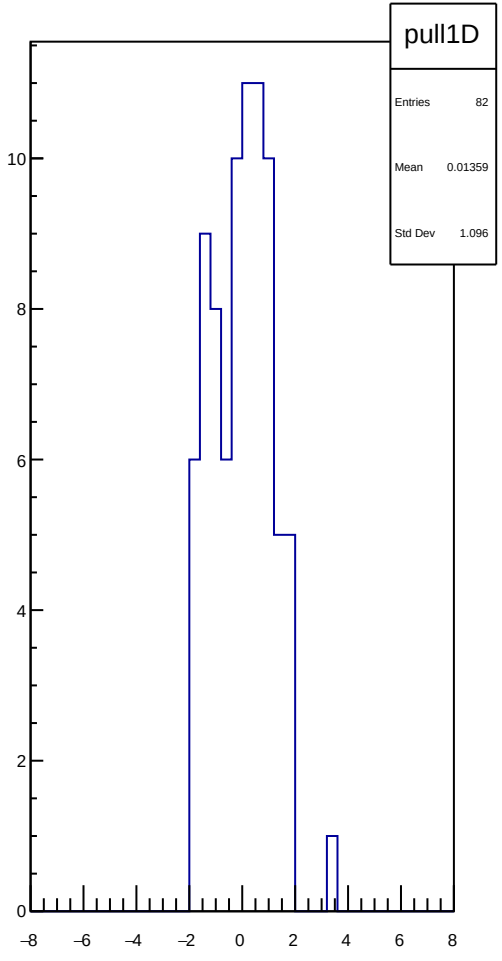

dit_asym_sam3_rms vs run
χ² / ndf 1.273e+04 / 81
p0 218.6 ± 0.1744
320
300
280
260
240
220
200
180

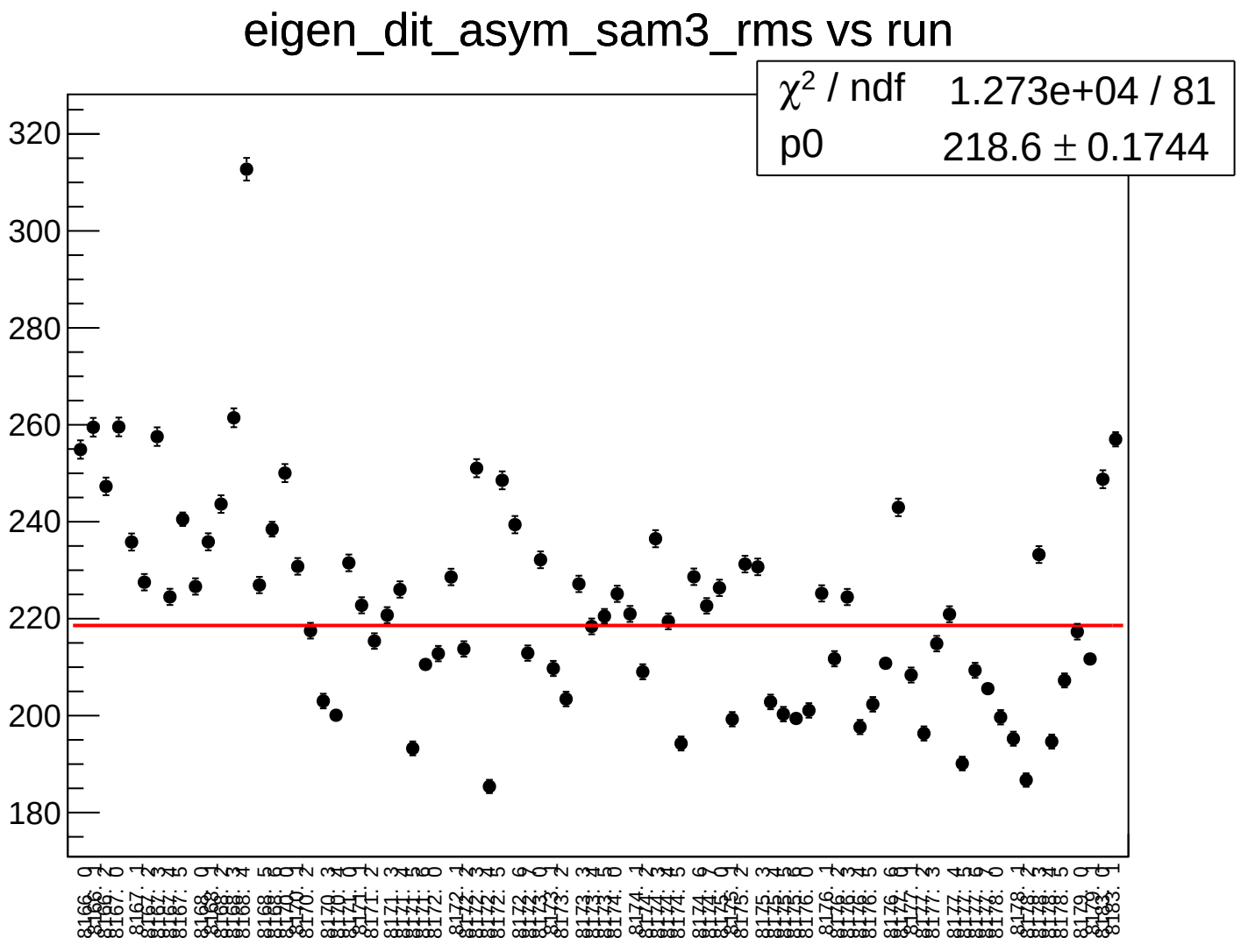

asym_sam3_dit_correction_mean vs run
×10^3
χ^2 / ndf 86.76 / 81
p0 −3622 ± 2708
pull
Entries 82
Mean −850.9
Std Dev 0

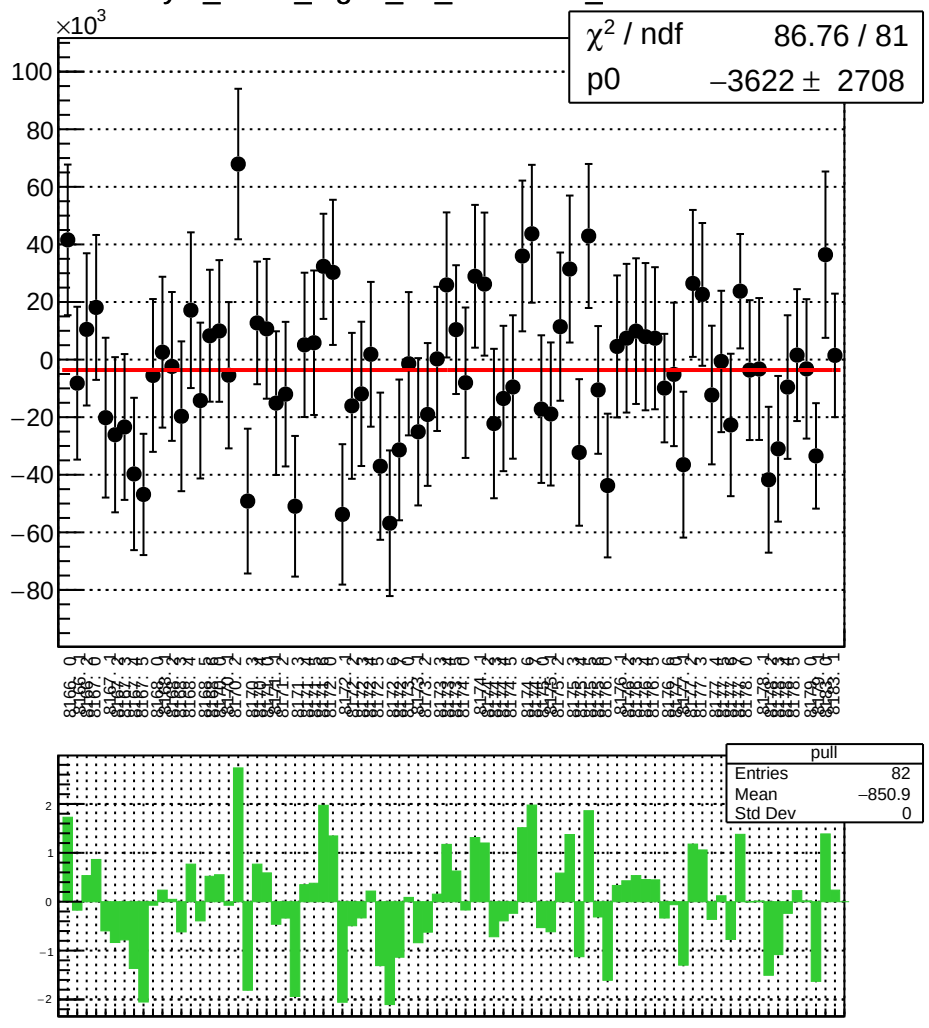

pull1D
Entries 82
Mean −0.0008871
Std Dev 1.029

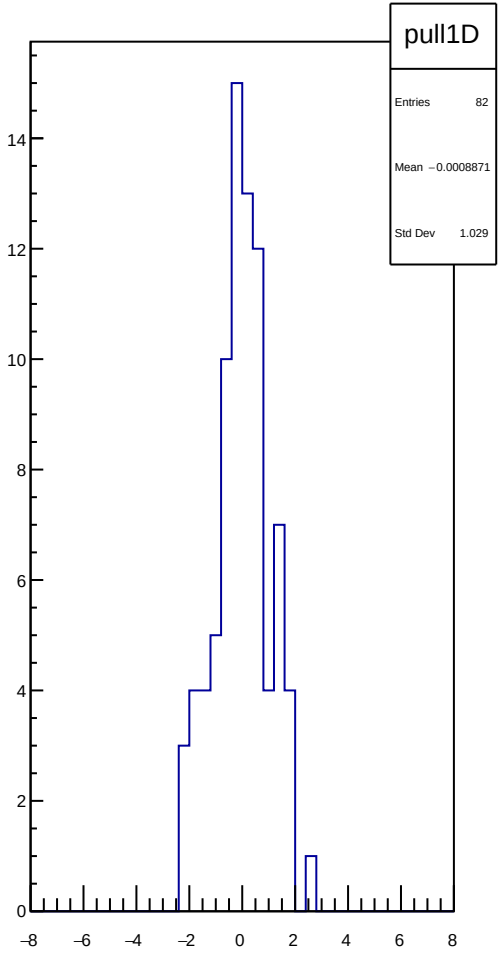

asym_sam3_dit_correction_rms vs run
χ² / ndf 1848 / 81
p0 2408 ± 1.915
2800
2700
2600
2500
2400
2300

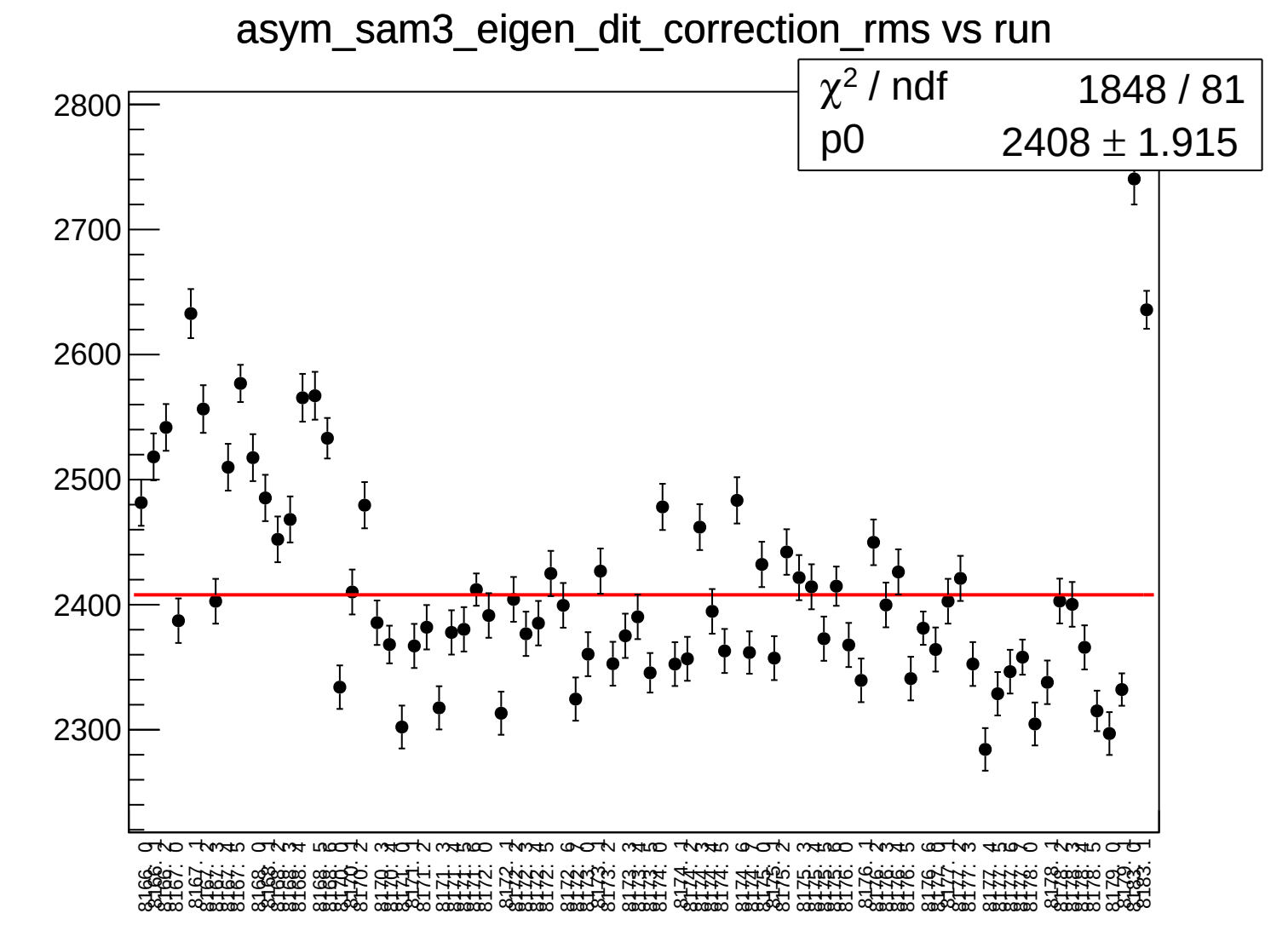

eigen_dit_asym_sam3_mean vs run
χ² / ndf 98.58 / 81
p0 −180.5 ± 246.7
pull
Entries 82
Mean −305.4
Std Dev 0

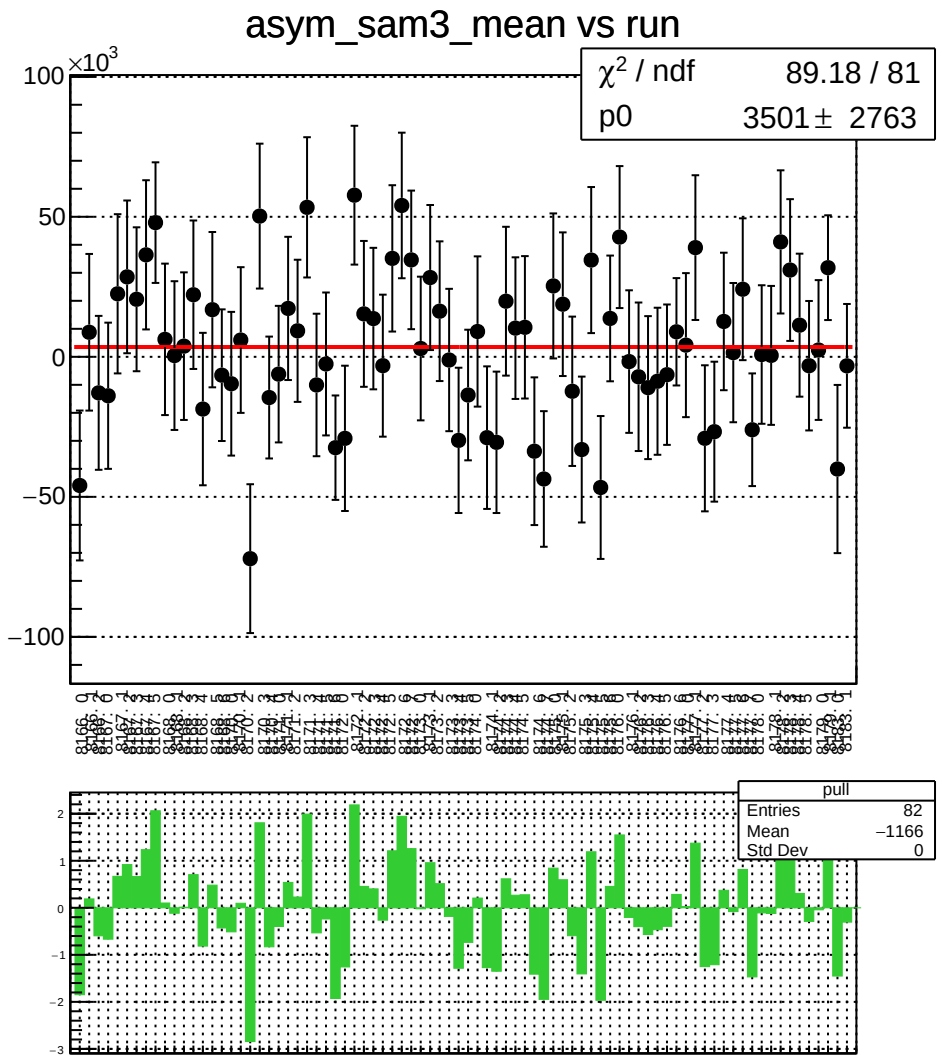

pull1D
Entries 82
Mean 0.01359
Std Dev 1.096

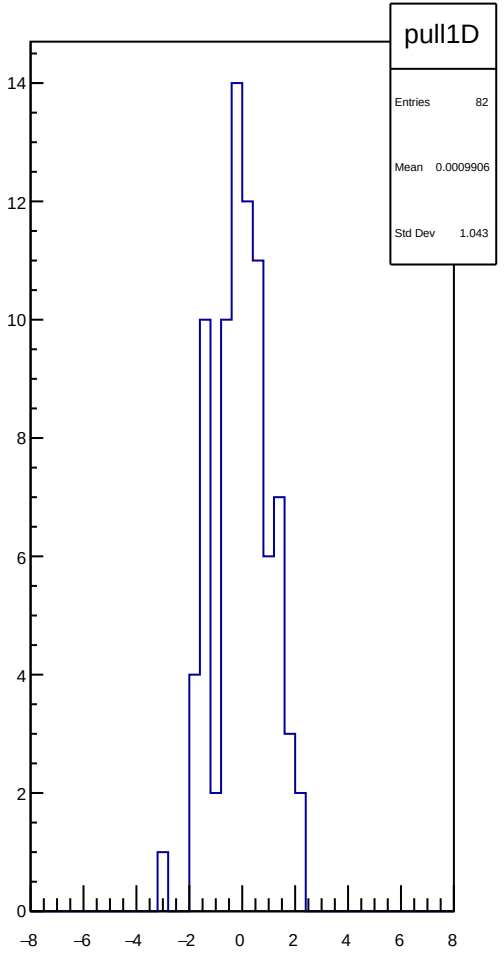

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.273e+04 / 81
p0 218.6 ± 0.1744
320
300
280
260
240
220
200
180

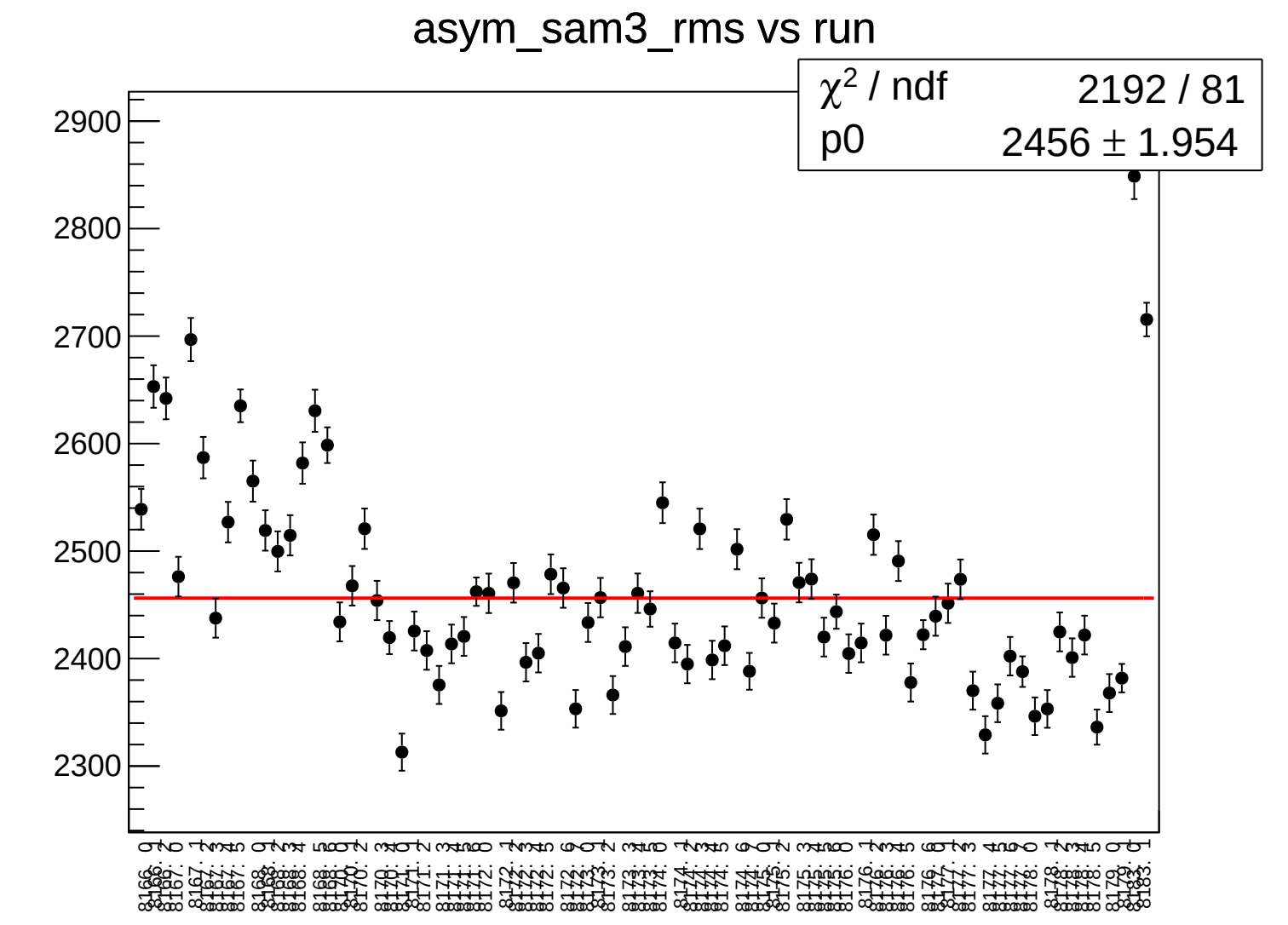

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 86.76 / 81
p0 −3622 ± 2708
pull
Entries 82
Mean −850.9
Std Dev 0

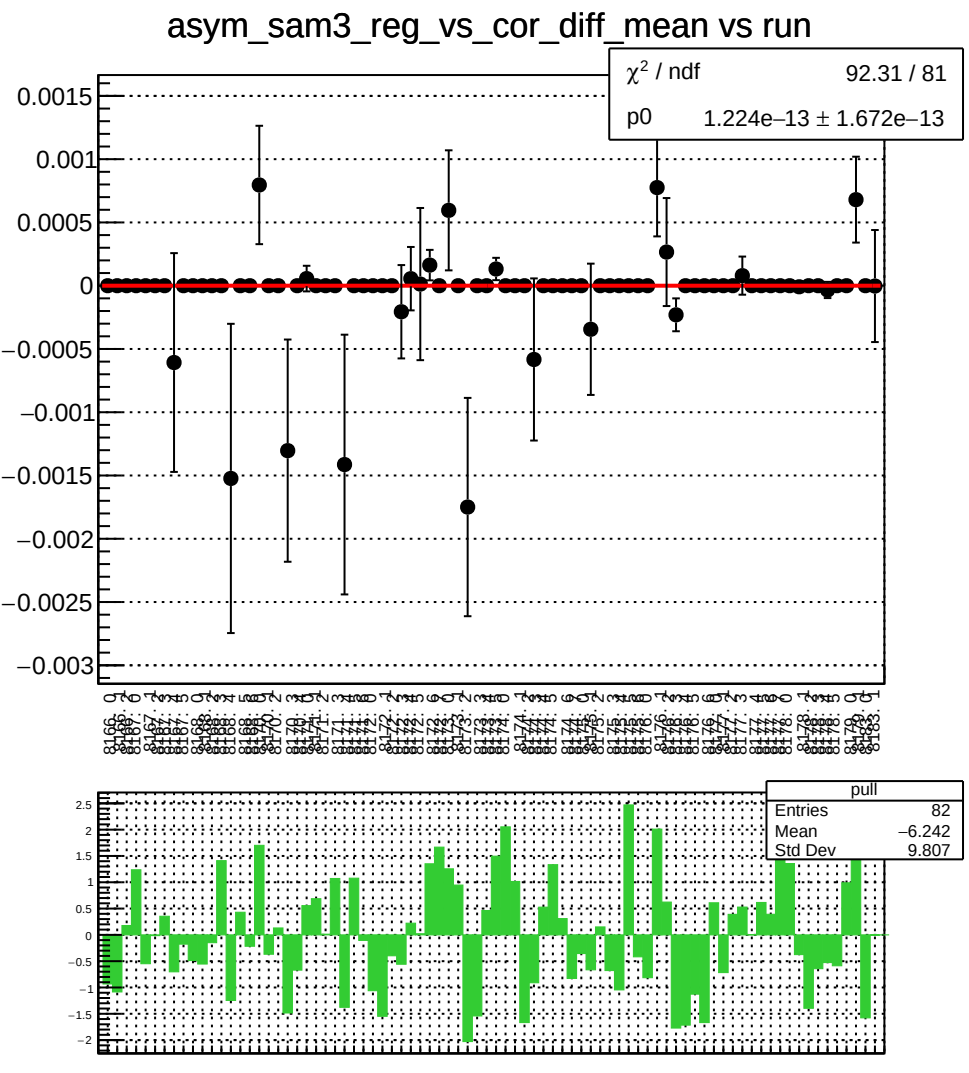

pull1D
Entries 82
Mean −0.0008871
Std Dev 1.029

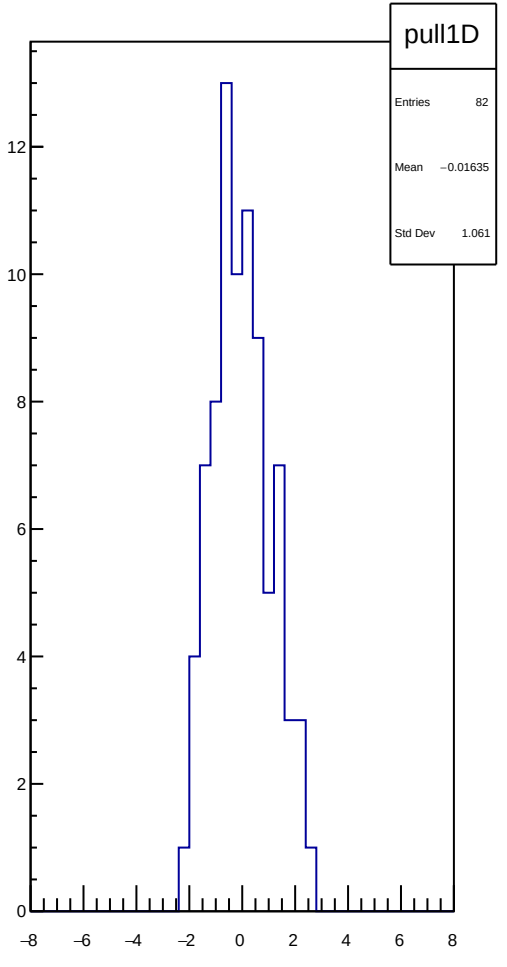

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 1848 / 81
p0 2408 ± 1.915
2800
2700
2600
2500
2400
2300

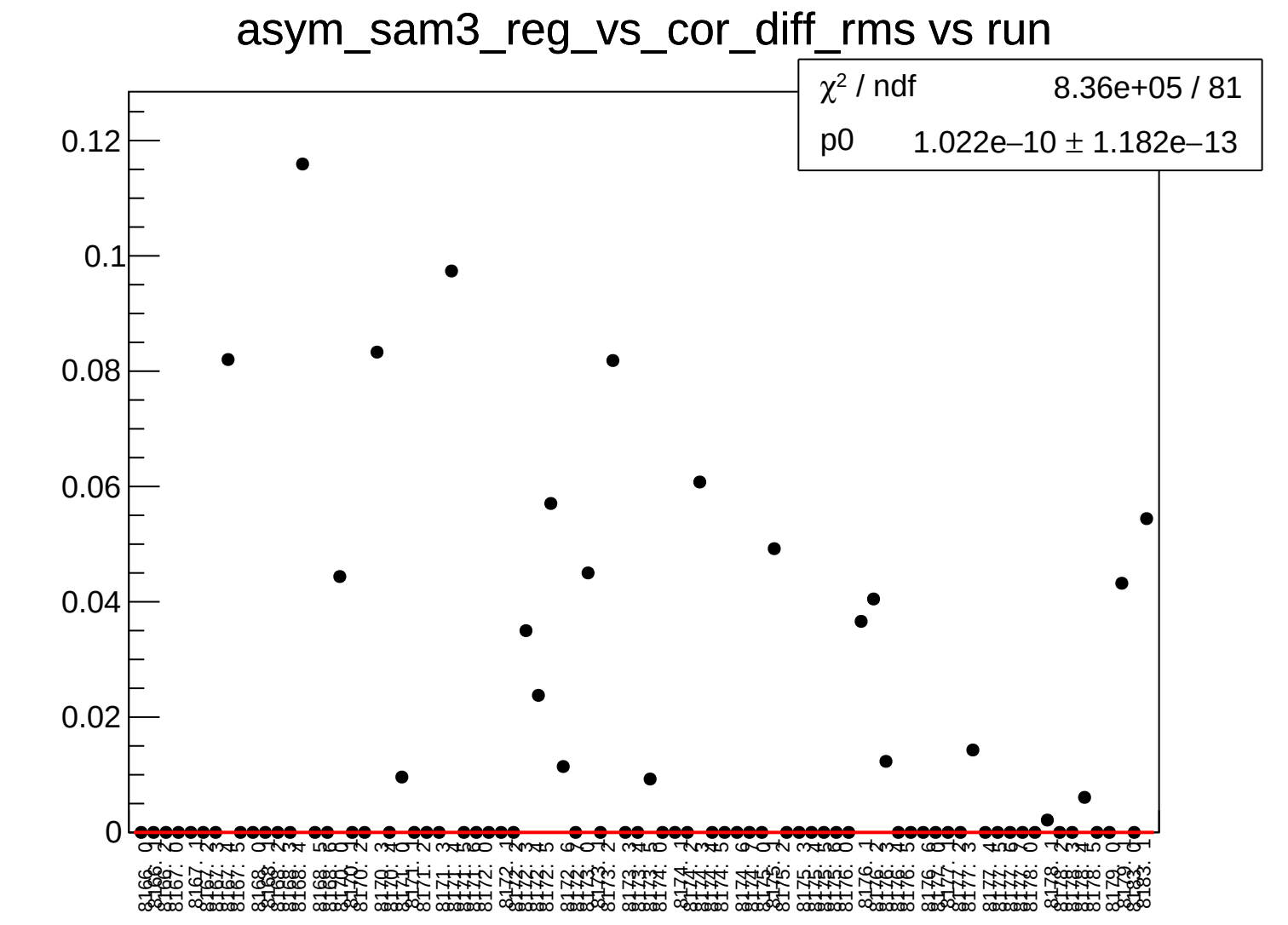

asym_sam3_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 89.18 / 81
p0 3501 ± 2763
pull
Entries 82
Mean −1166
Std Dev 0
2
1
0
−1
−2
−3

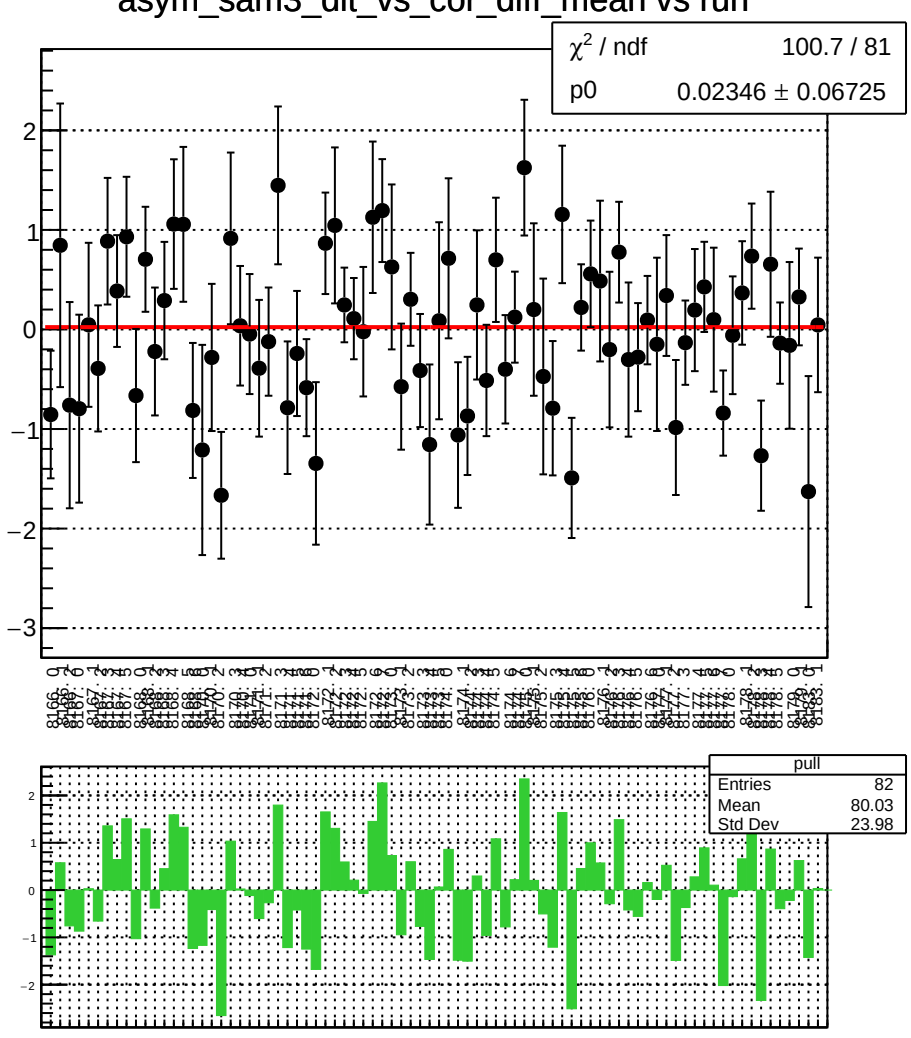

pull1D
Entries 82
Mean 0.0009906
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

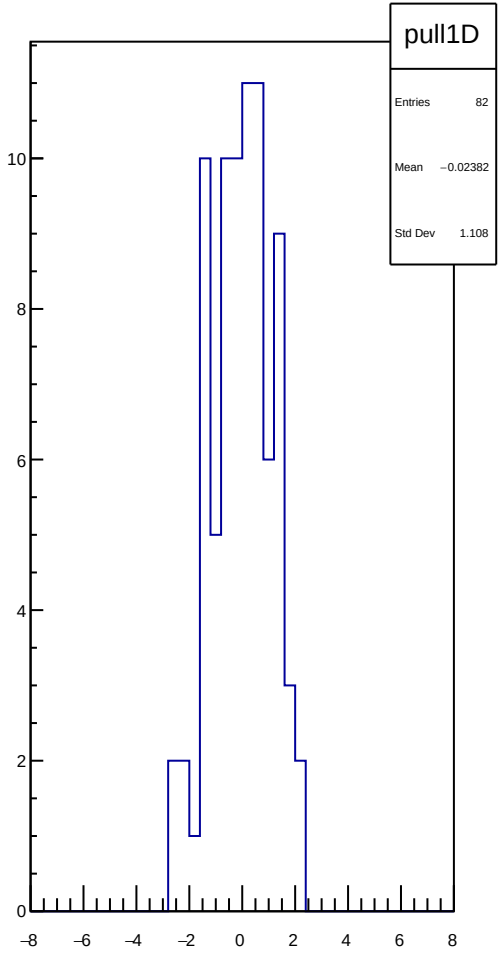

asym_sam3_rms vs run
χ² / ndf 2192 / 81
p0 2456 ± 1.954
2900
2800
2700
2600
2500
2400
2300

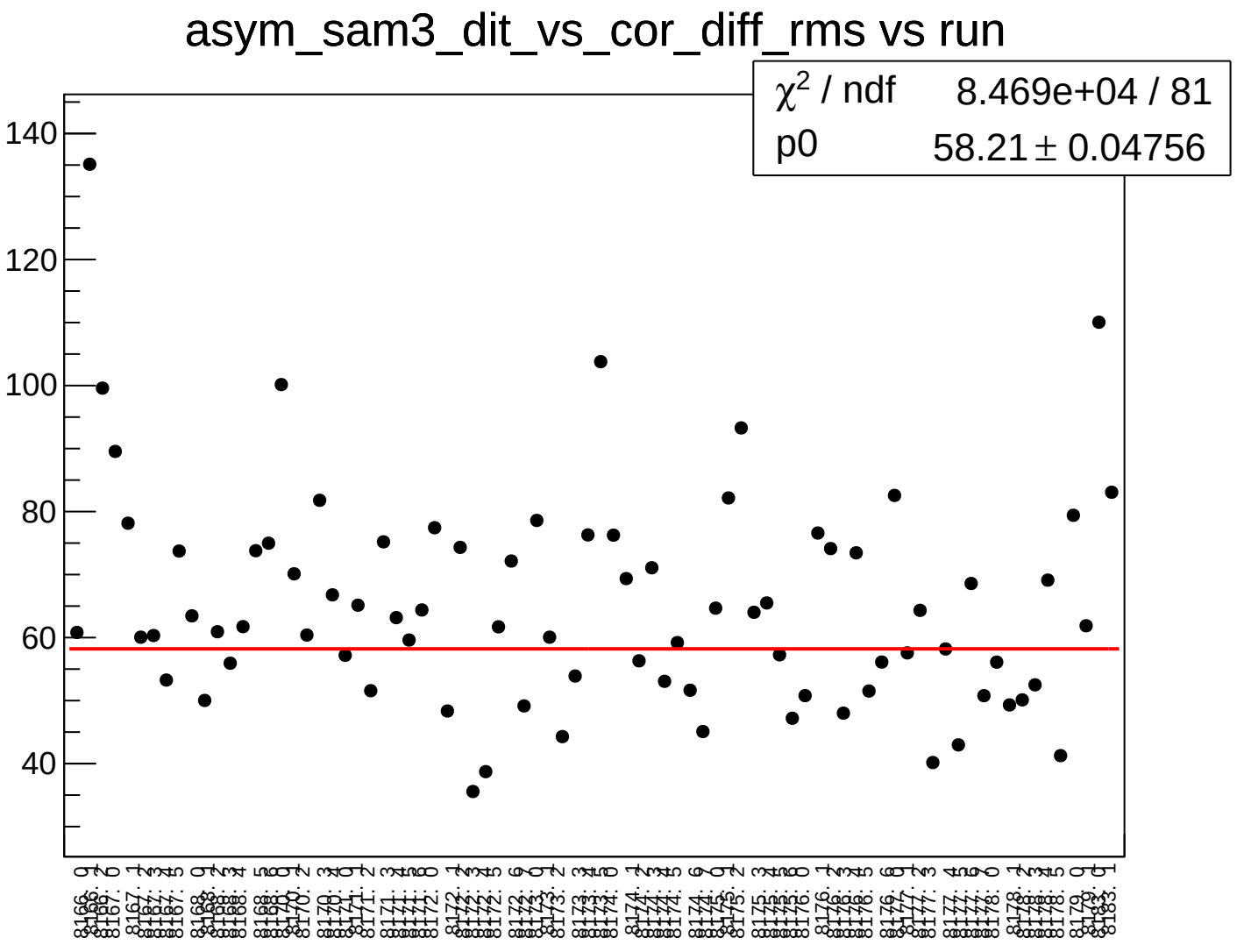

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 92.31 / 81
p0 1.224e−13 ± 1.672e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
−0.003
pull
Entries 82
Mean −6.242
Std Dev 9.807
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

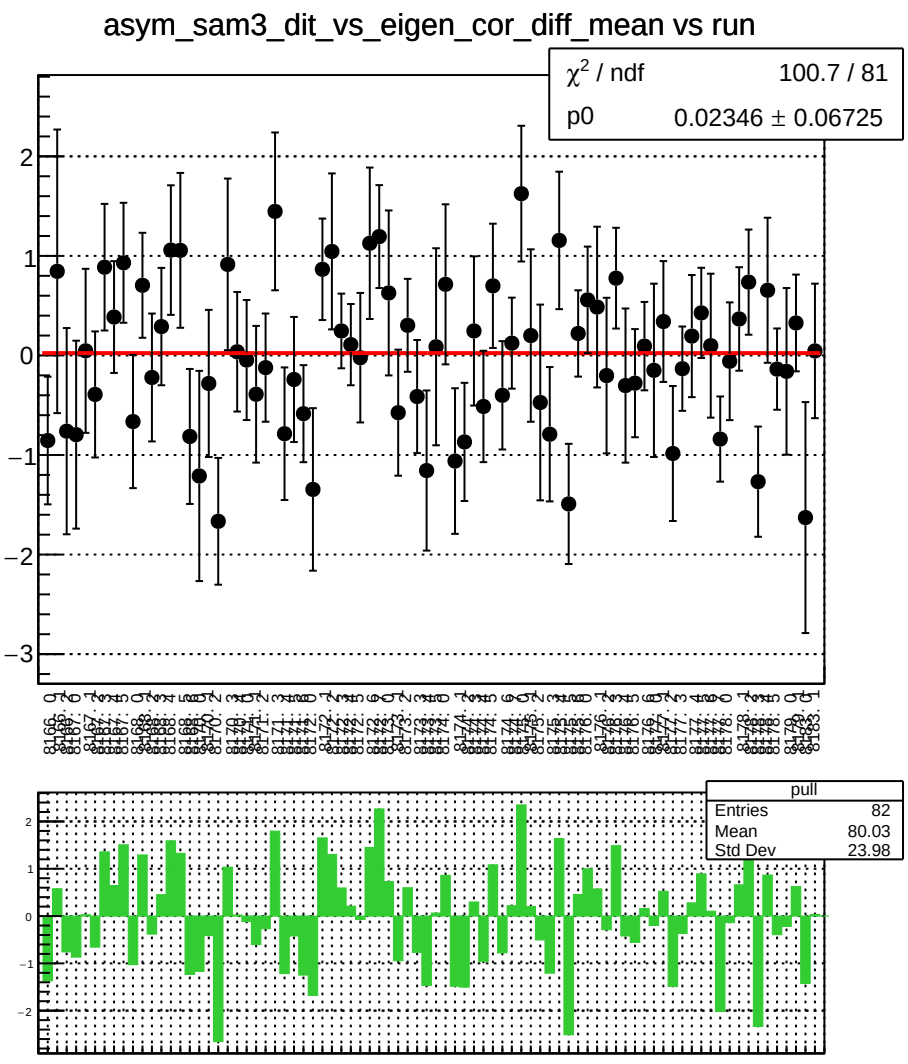

pull1D
Entries 82
Mean −0.01635
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

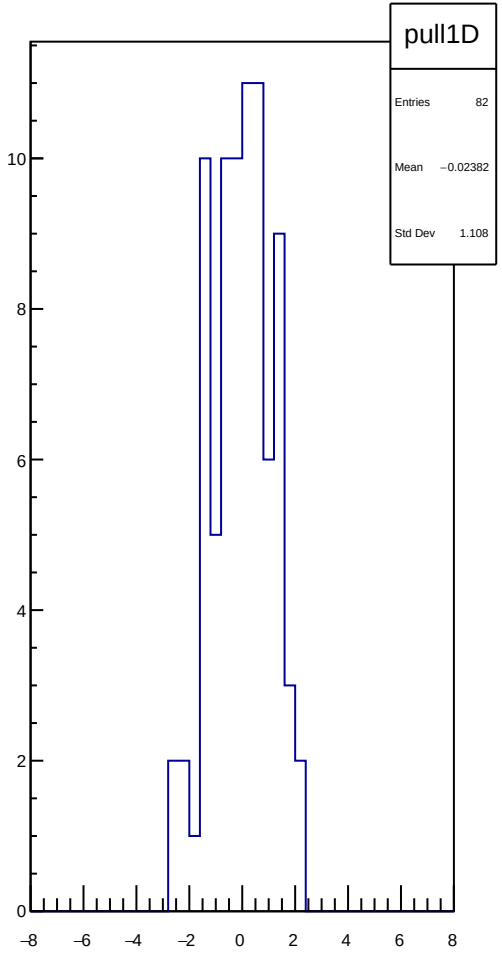

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 8.36e+05 / 81
p0 1.022e−10 ± 1.182e−13
0.12
0.1
0.08
0.06
0.04
0.02
0

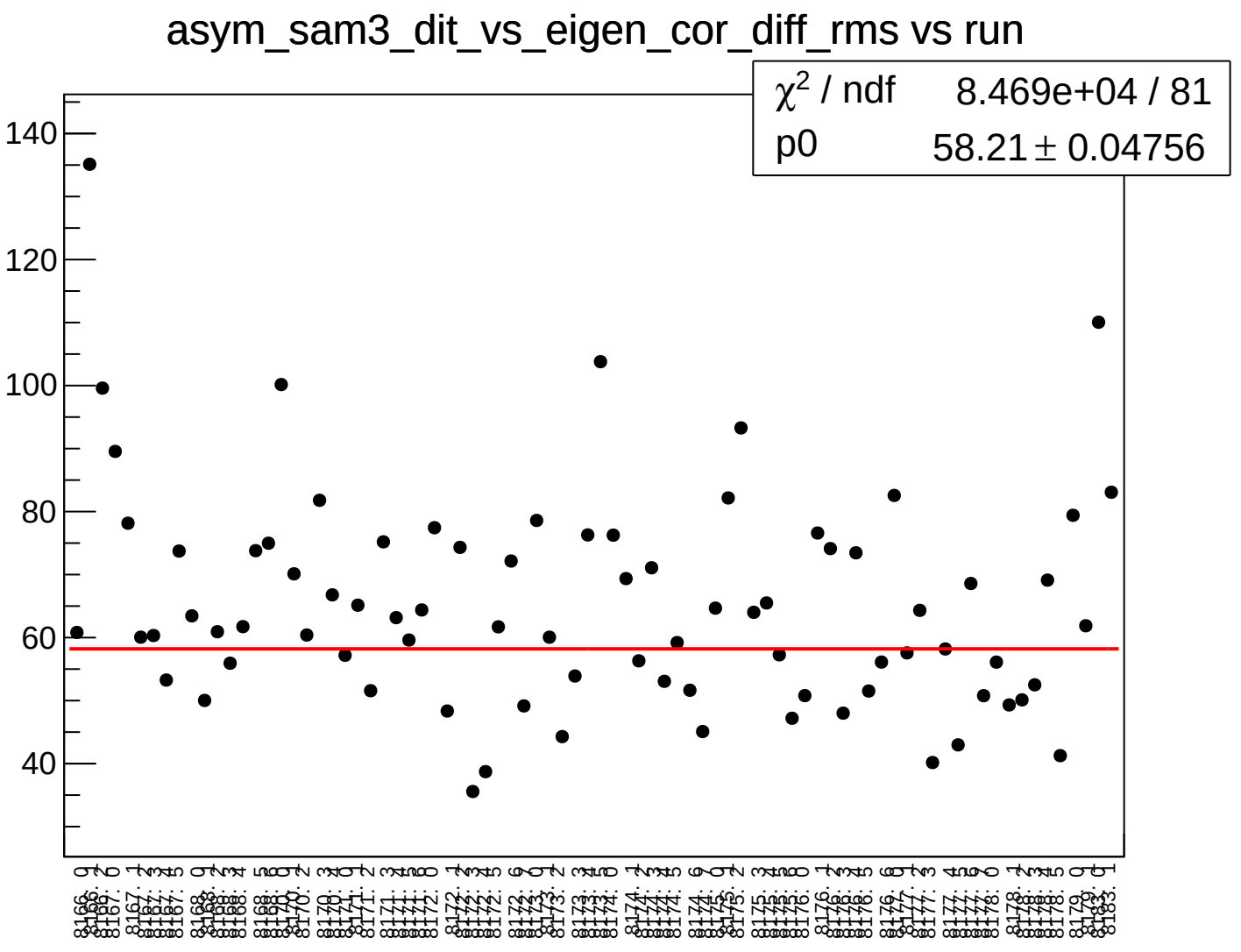

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 100.7 / 81
p0 0.02346 ± 0.06725
pull
Entries 82
Mean 80.03
Std Dev 23.98

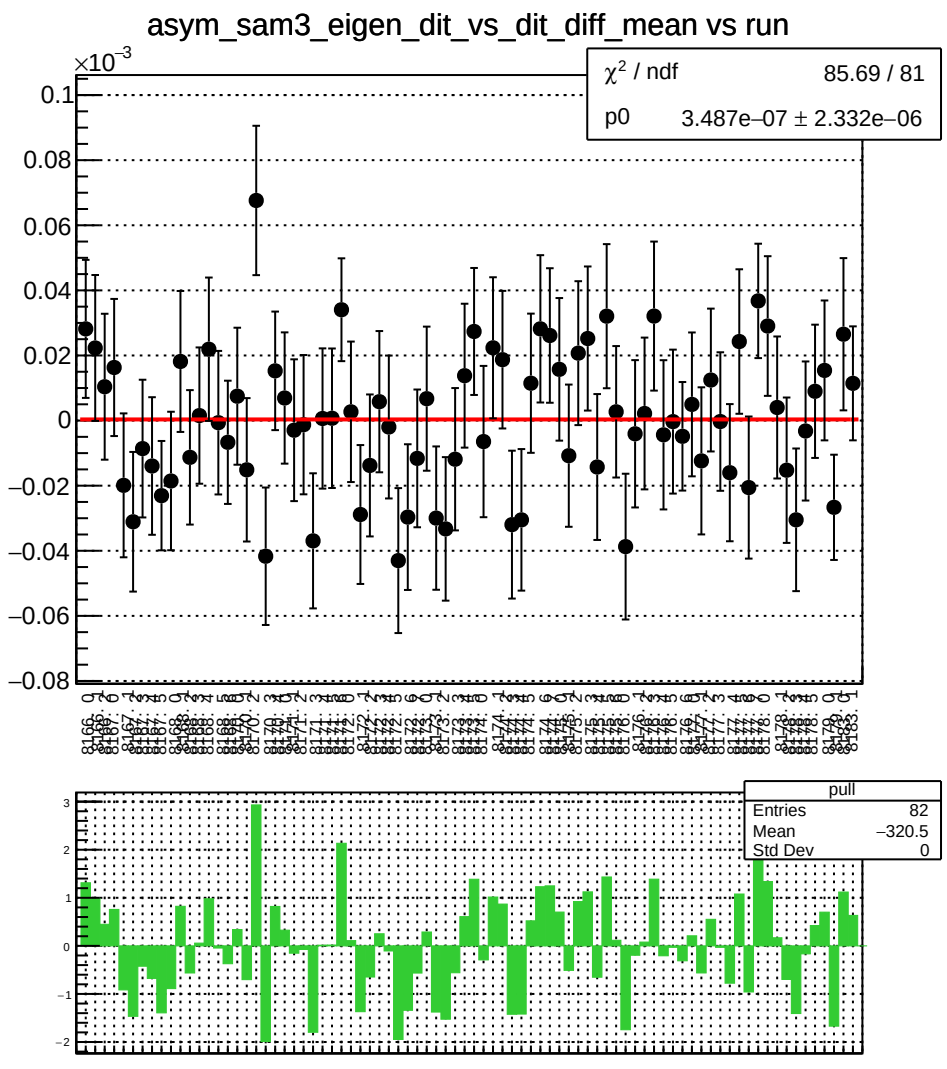

pull1D
Entries 82
Mean −0.02382
Std Dev 1.108

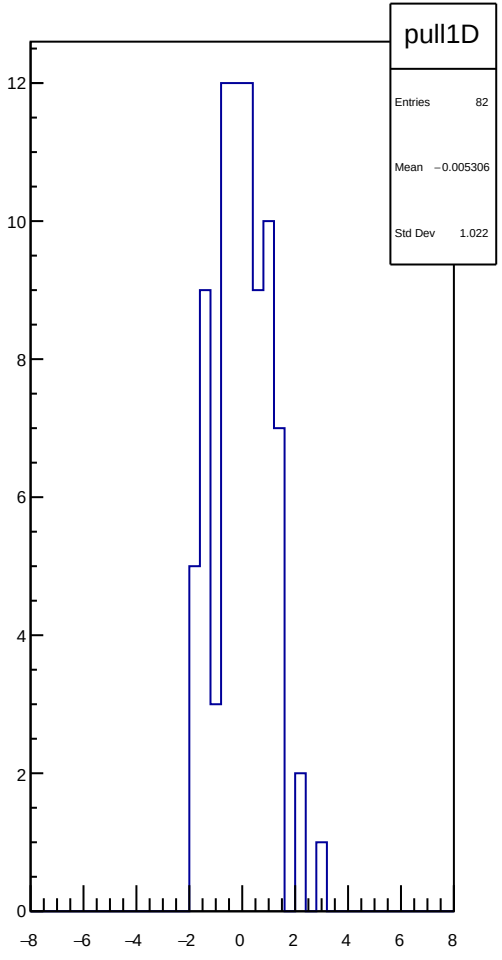

asym_sam3_dit_vs_cor_diff_rms vs run
χ^2 / ndf 8.469e+04 / 81
p0 58.21 ± 0.04756
140
120
100
80
60
40

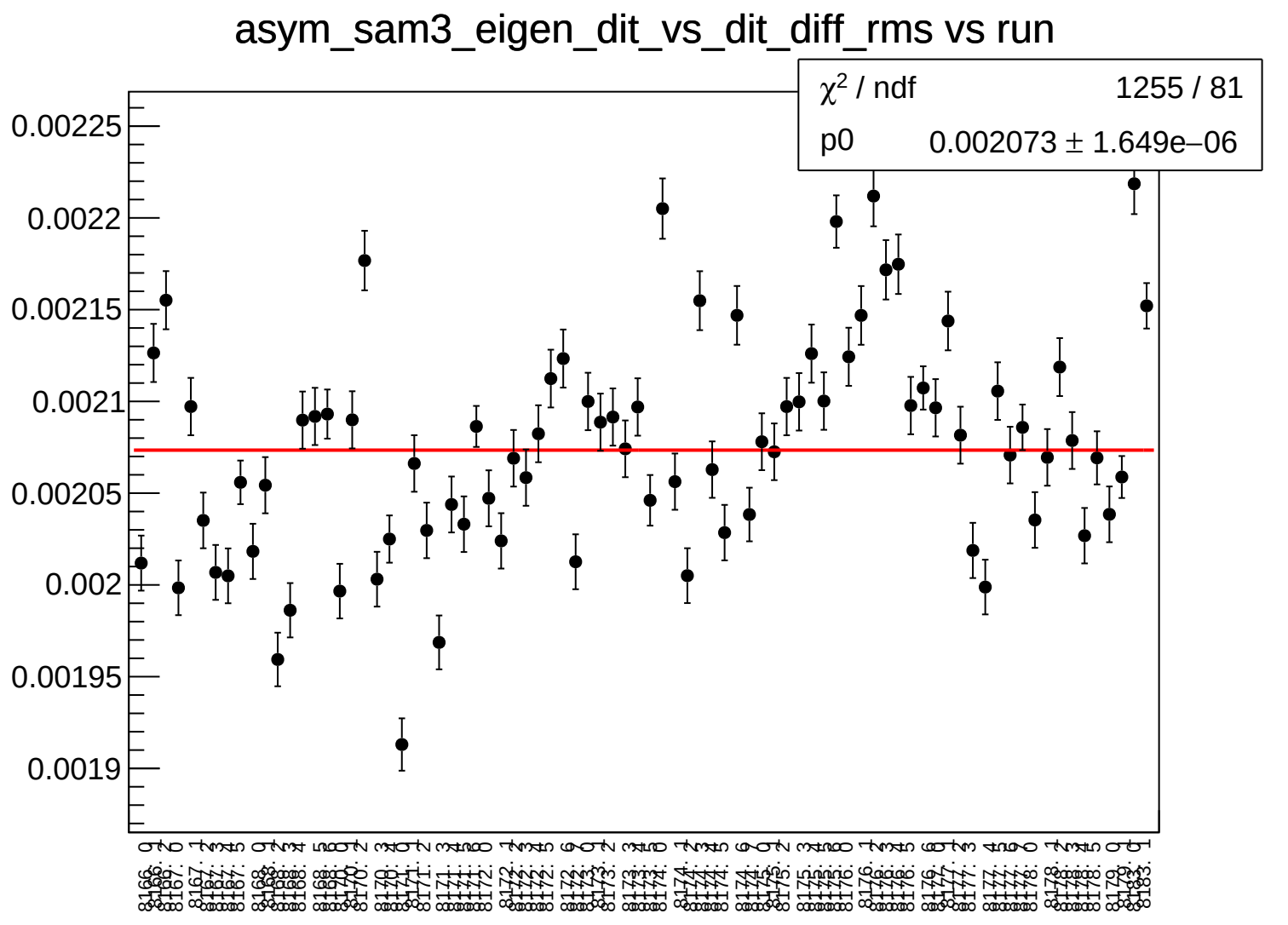

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.7 / 81
p0 0.02346 ± 0.06725
pull
Entries 82
Mean 80.03
Std Dev 23.98

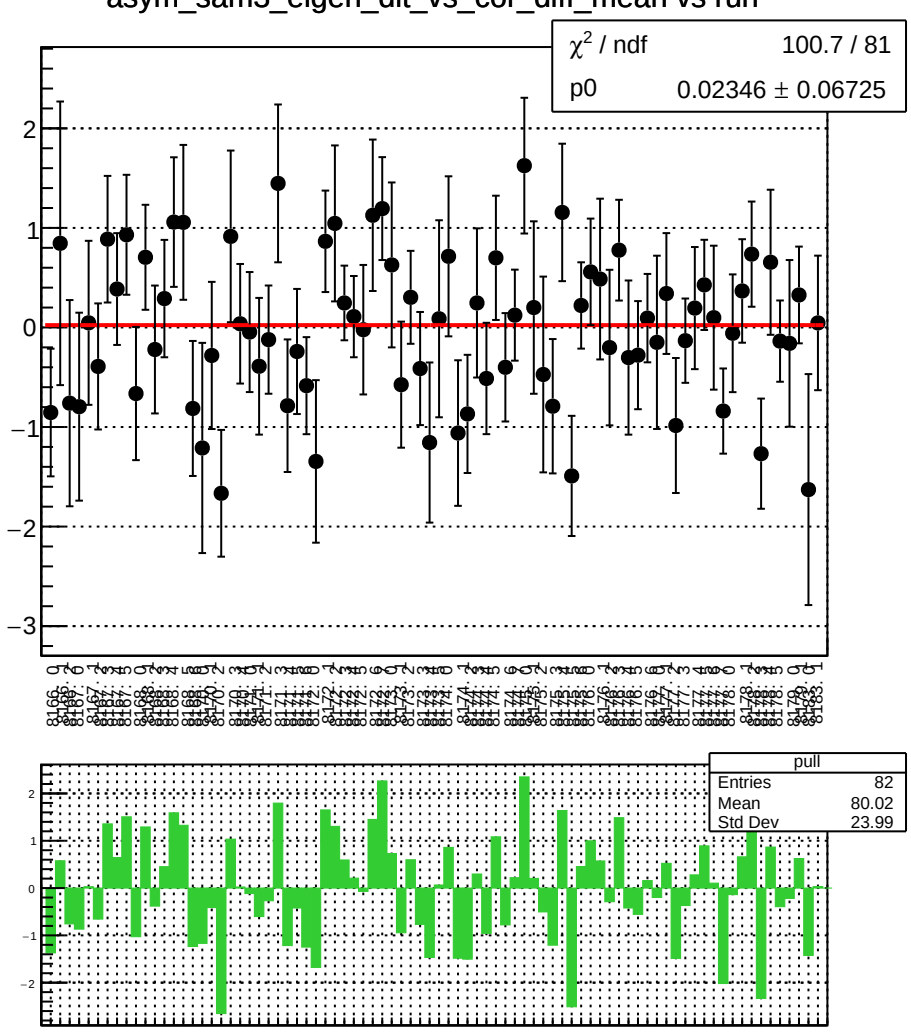

pull1D
Entries 82
Mean −0.02382
Std Dev 1.108

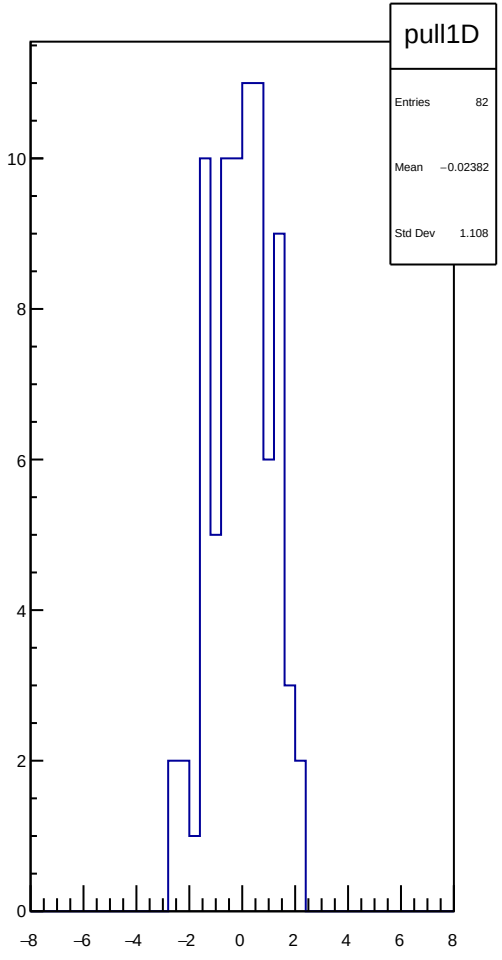

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.469e+04 / 81
p0 58.21 ± 0.04756
140
120
100
80
60
40

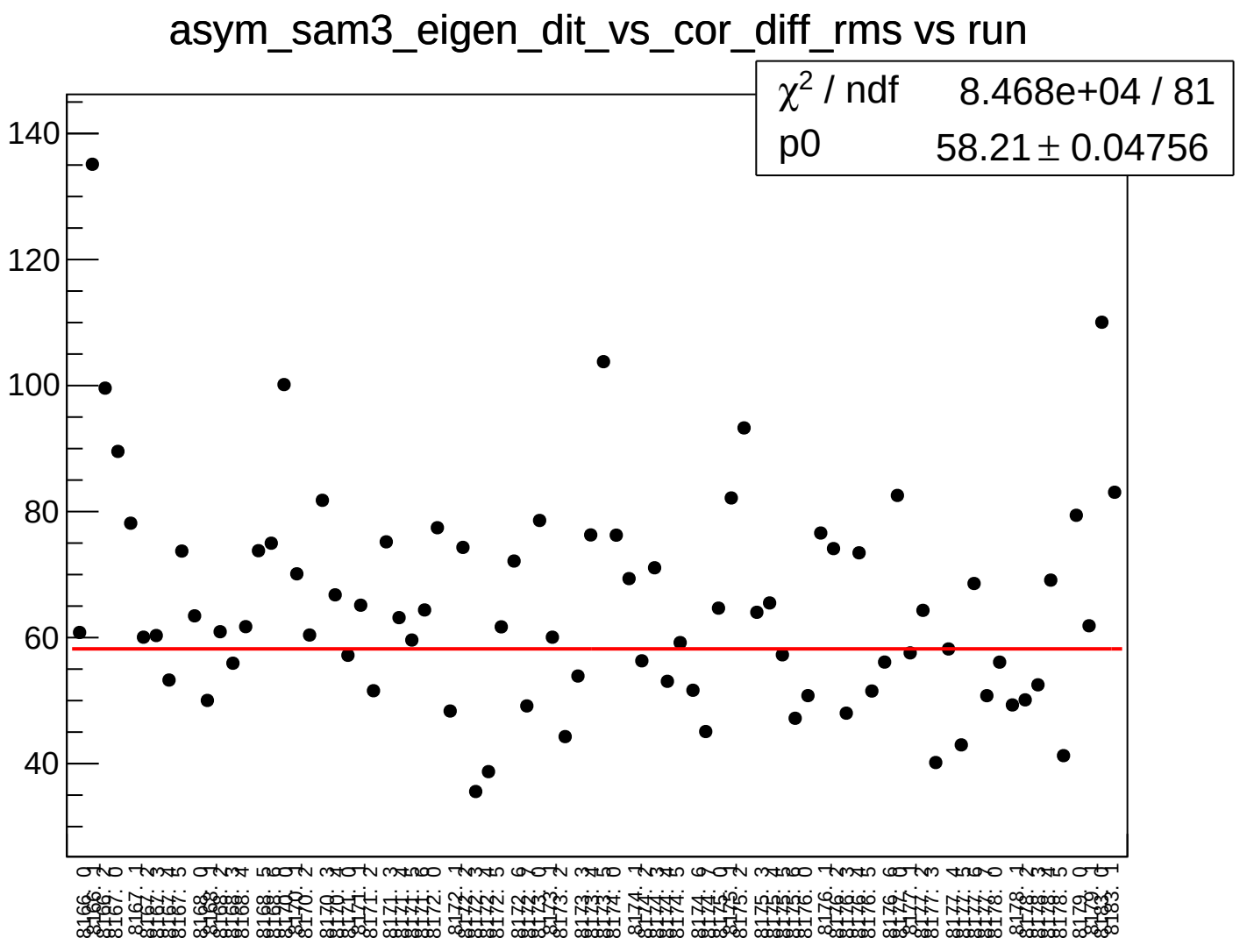

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.69 / 81
p0 3.487e−07 ± 2.332e−06
pull
Entries 82
Mean −320.5
Std Dev 0

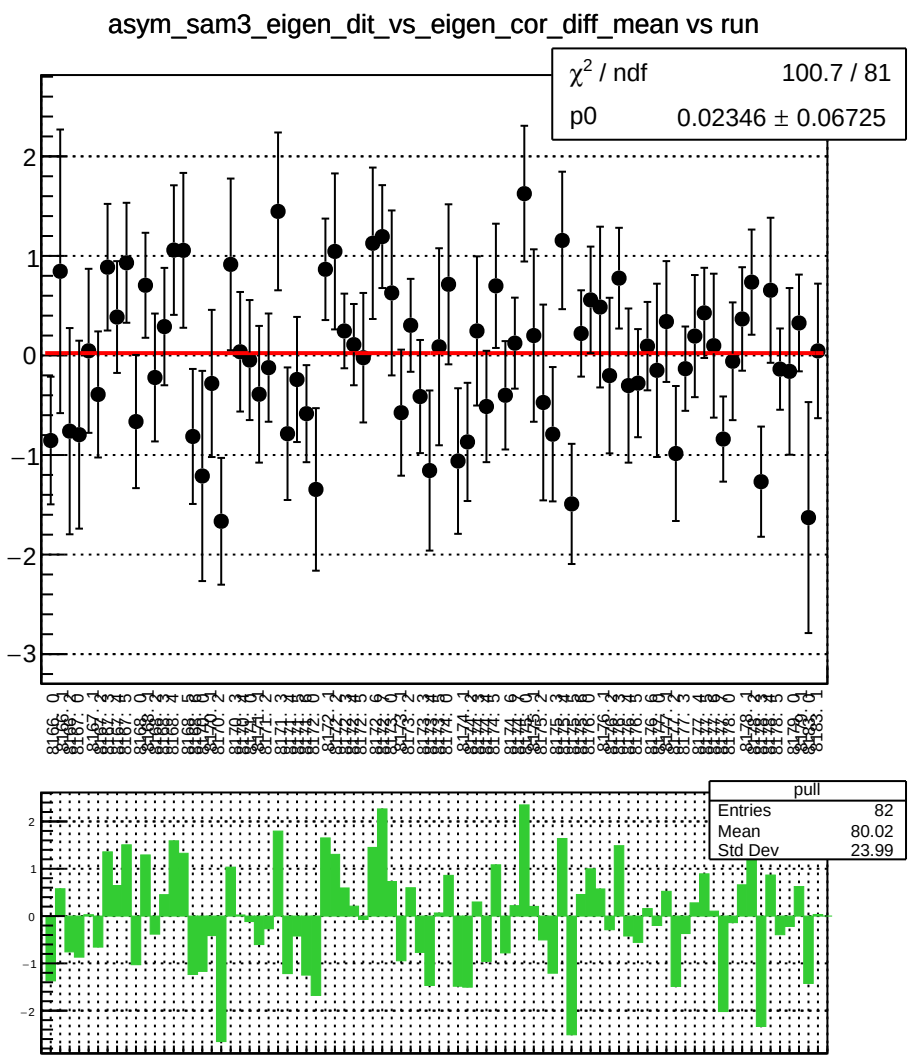

pull1D
Entries 82
Mean −0.005306
Std Dev 1.022

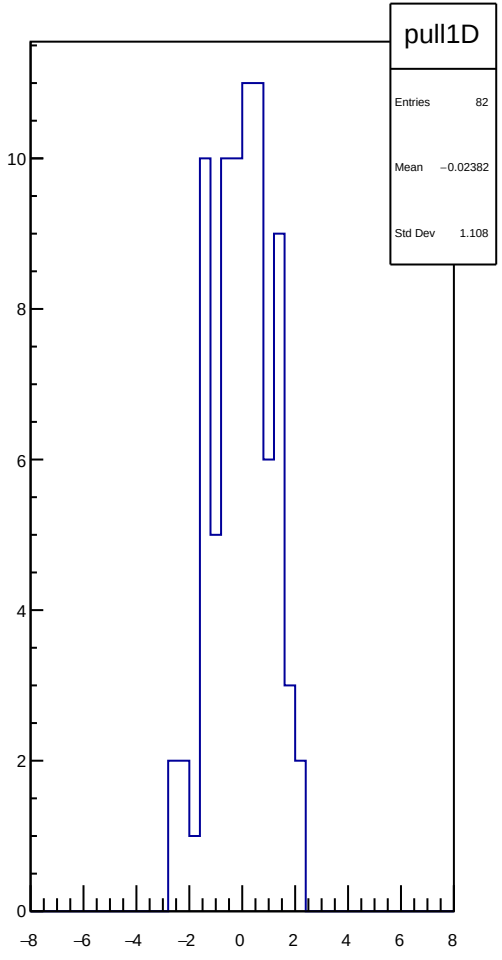

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1255 / 81
p0 0.002073 ± 1.649e−06
0.00225
0.0022
0.00215
0.0021
0.00205
0.002
0.00195
0.0019

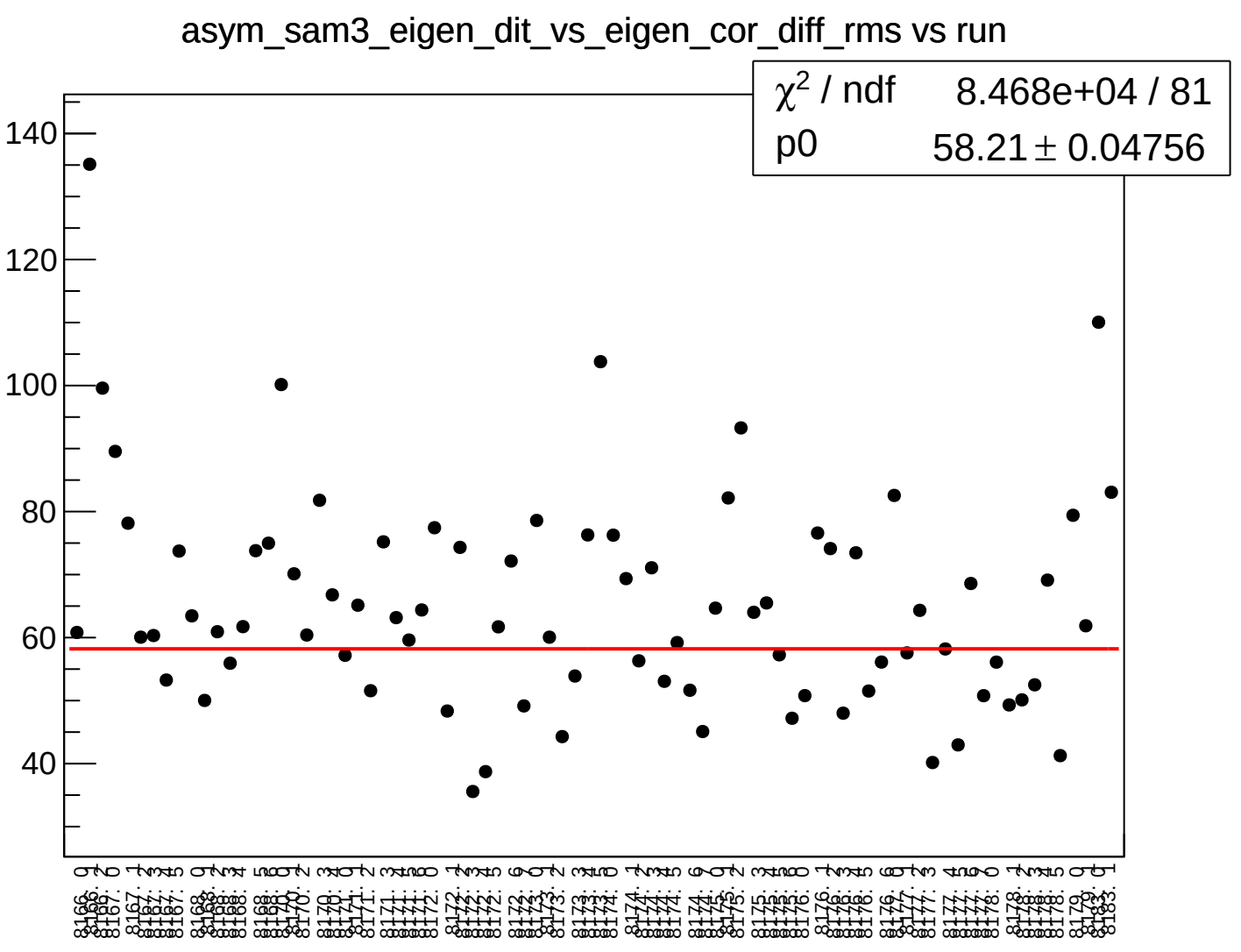

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 100.7 / 81
p0 0.02346 ± 0.06725
pull
Entries 82
Mean 80.02
Std Dev 23.99

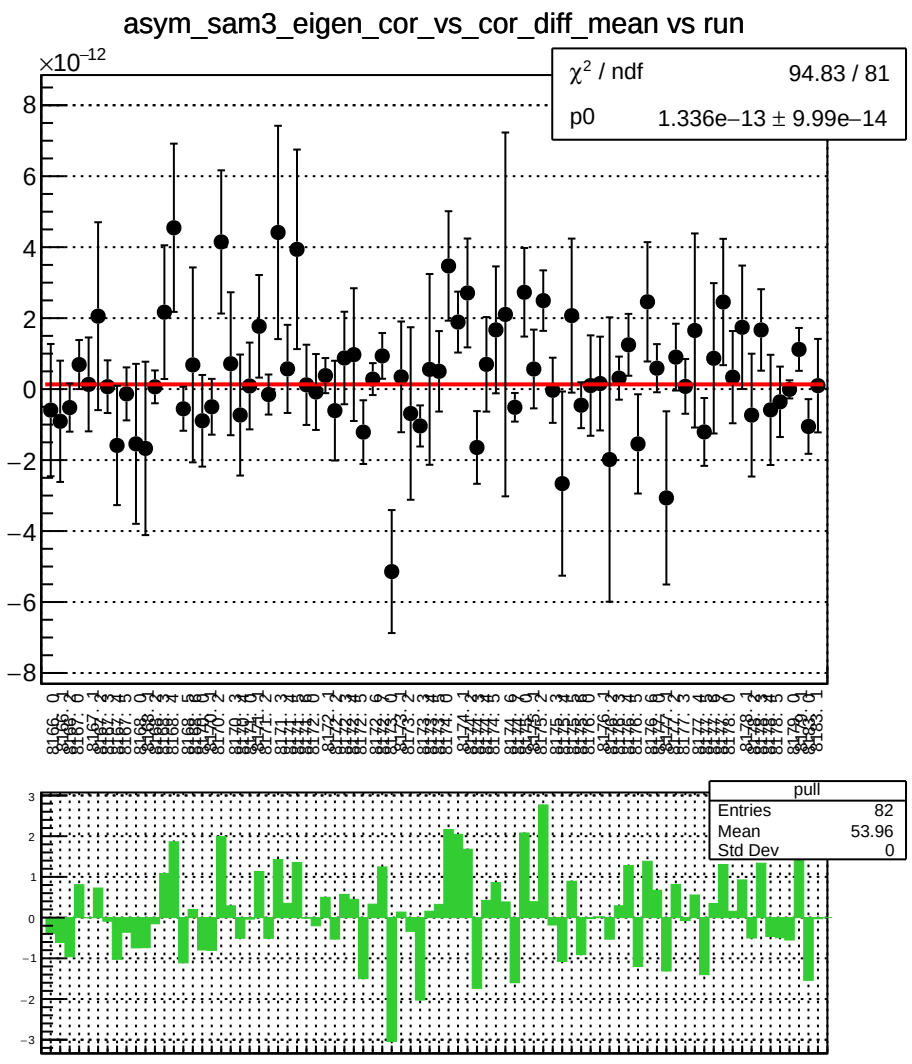

pull1D
Entries 82
Mean −0.02382
Std Dev 1.108

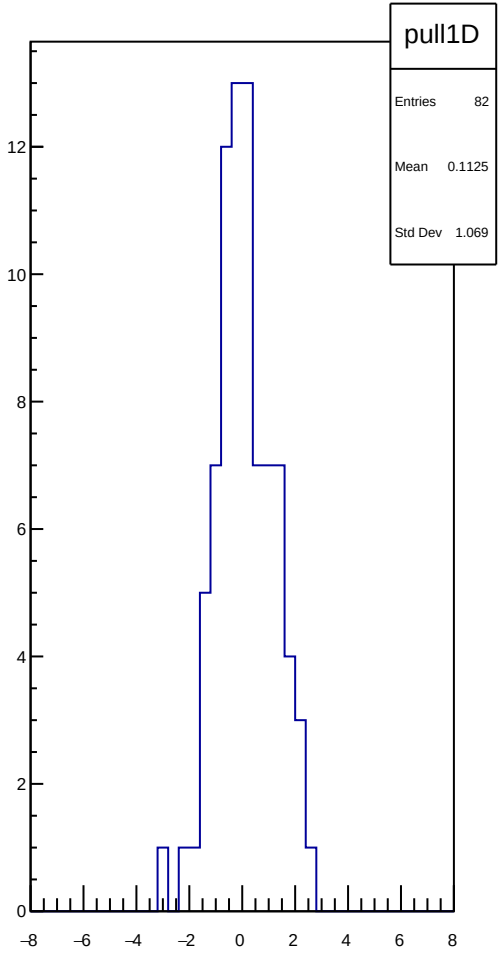

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.468e+04 / 81
p0 58.21 ± 0.04756
140
120
100
80
60
40

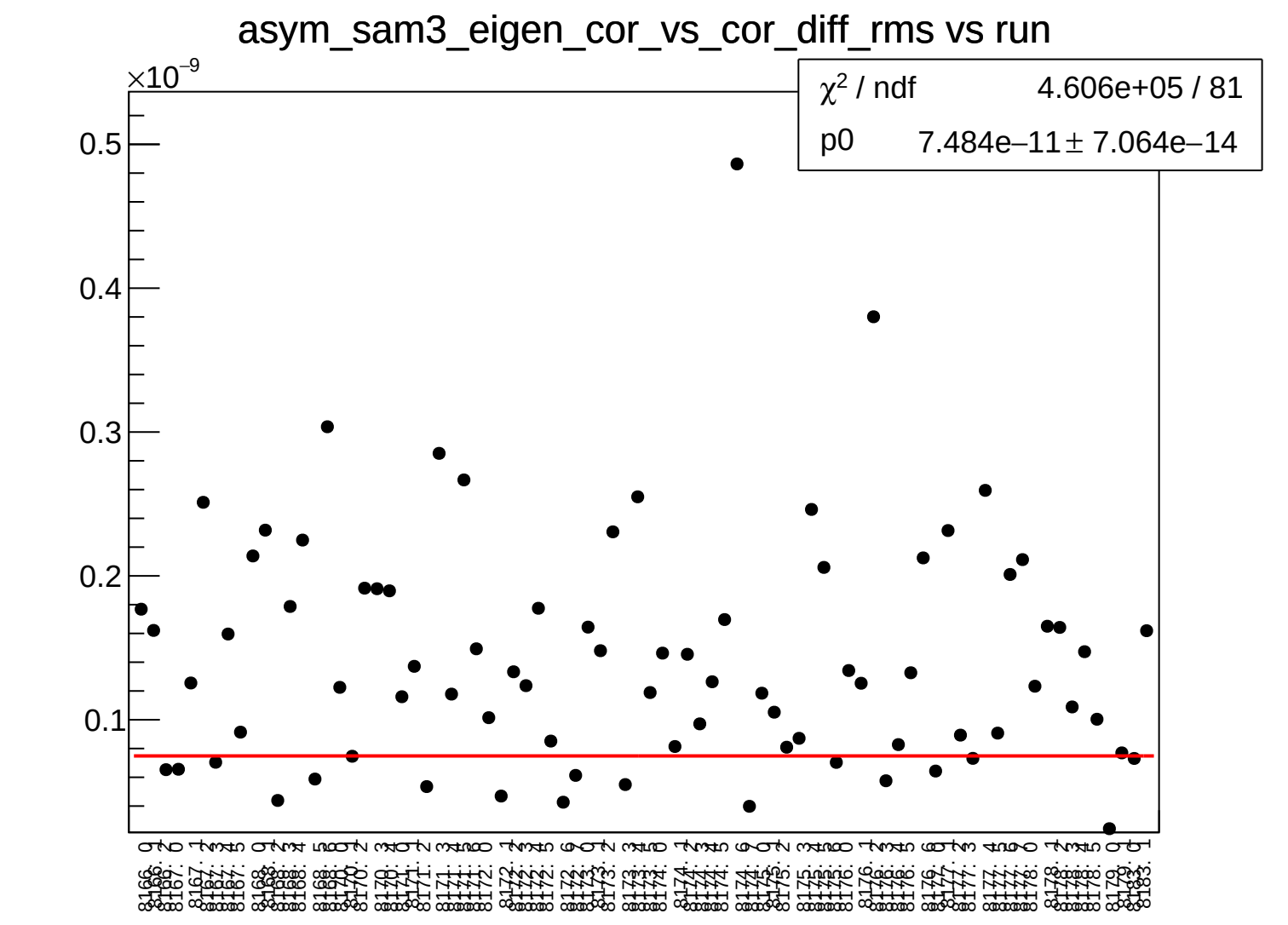

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.7 / 81
p0 0.02346 ± 0.06725
pull
Entries 82
Mean 80.02
Std Dev 23.99

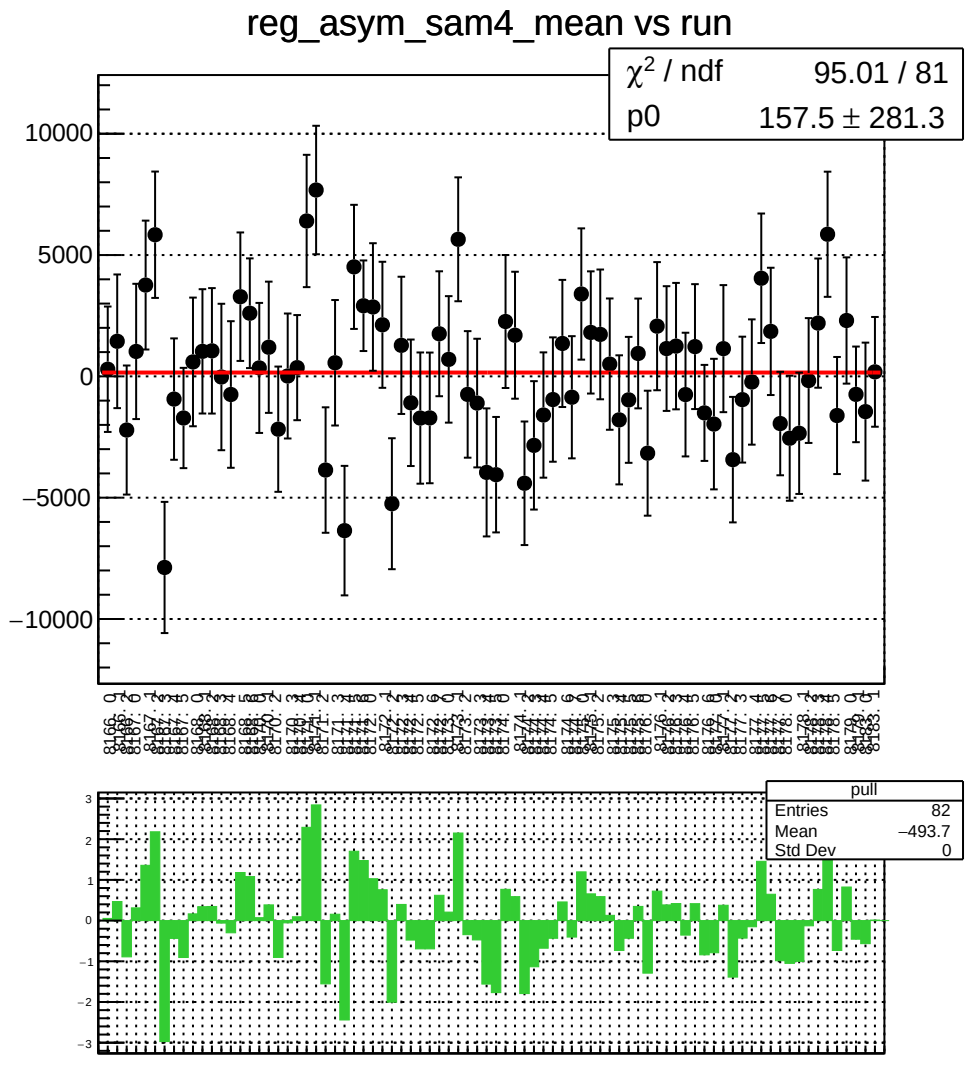

pull1D
Entries 82
Mean −0.02382
Std Dev 1.108

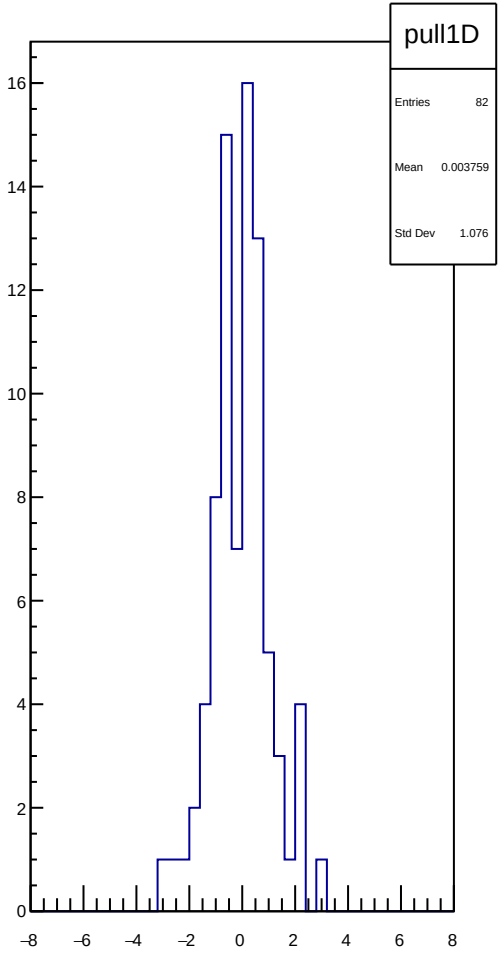

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.468e+04 / 81
p0 58.21 ± 0.04756
140
120
100
80
60
40

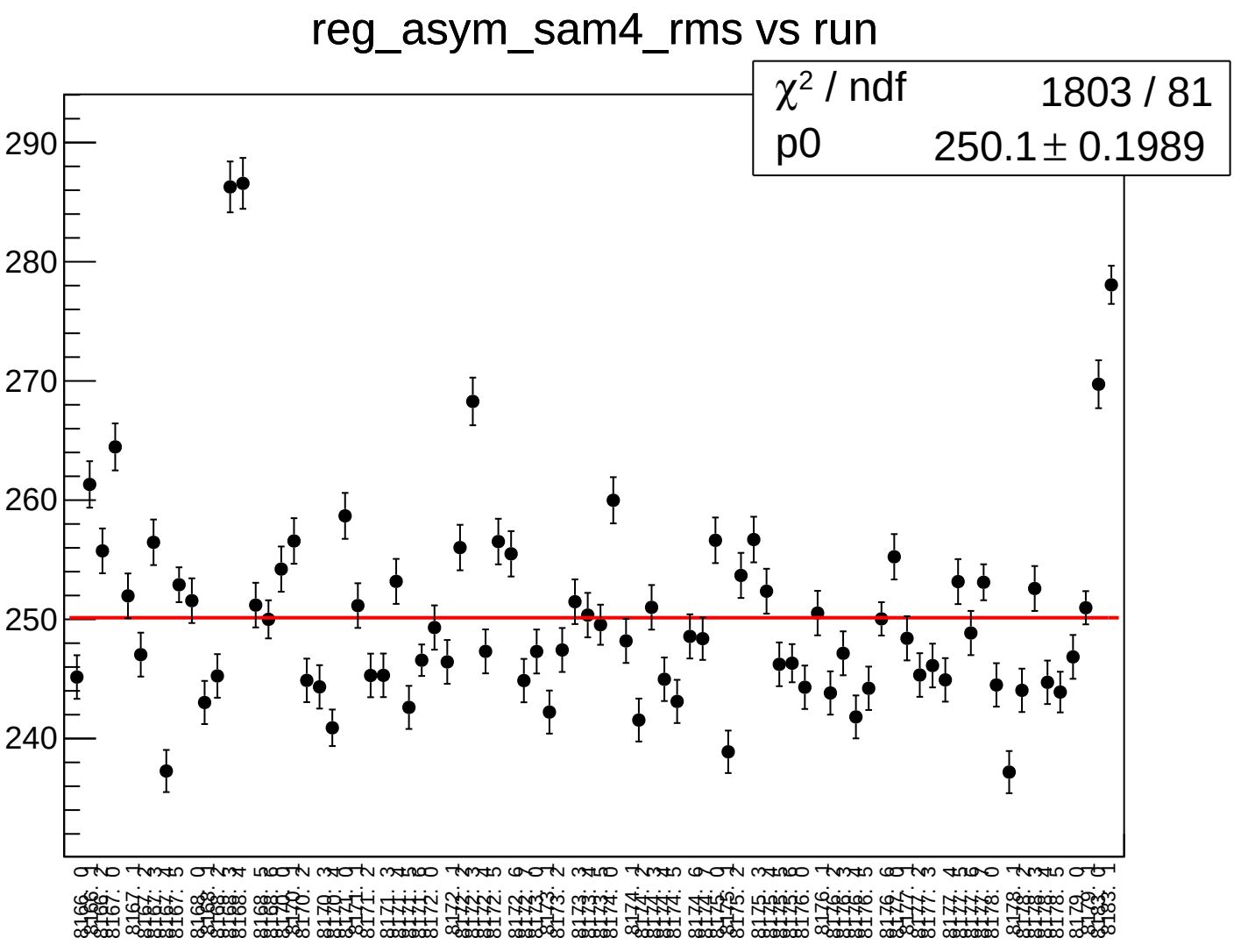

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.83 / 81
p0 1.336e−13 ± 9.99e−14
pull
Entries 82
Mean 53.96
Std Dev 0

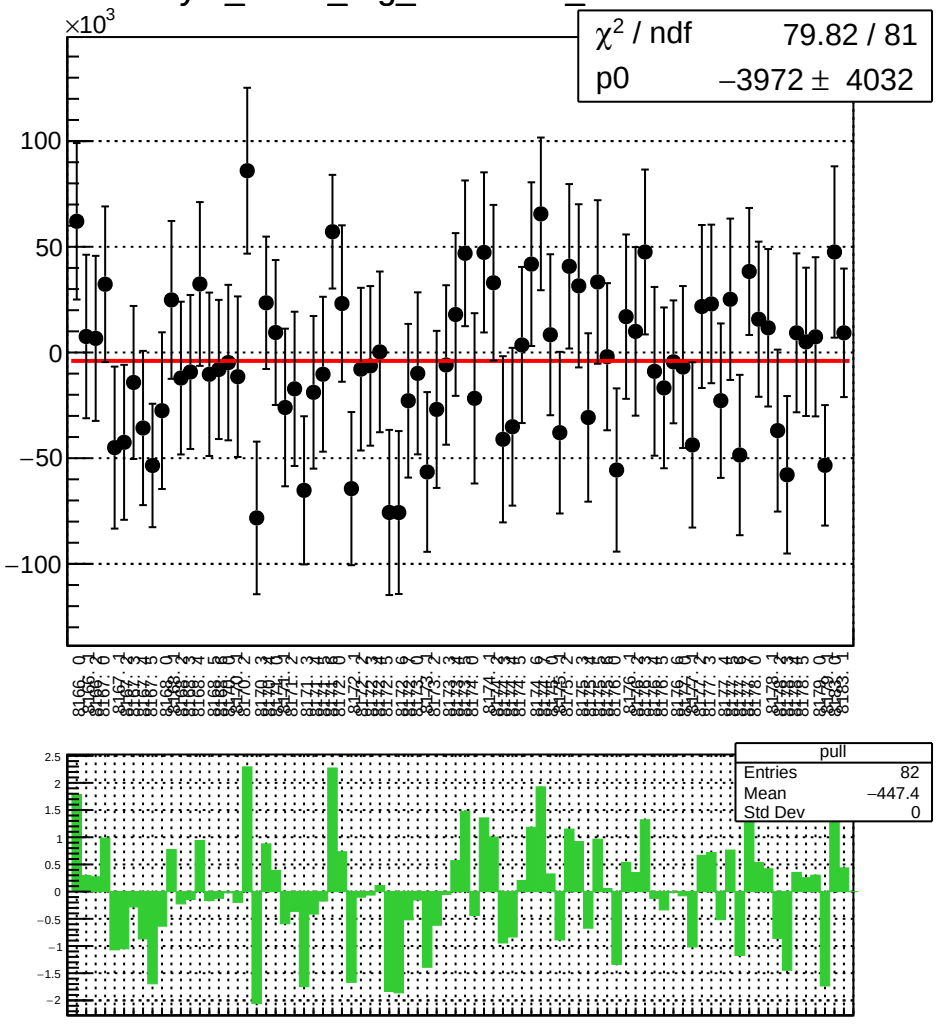

pull1D
Entries 82
Mean 0.1125
Std Dev 1.069

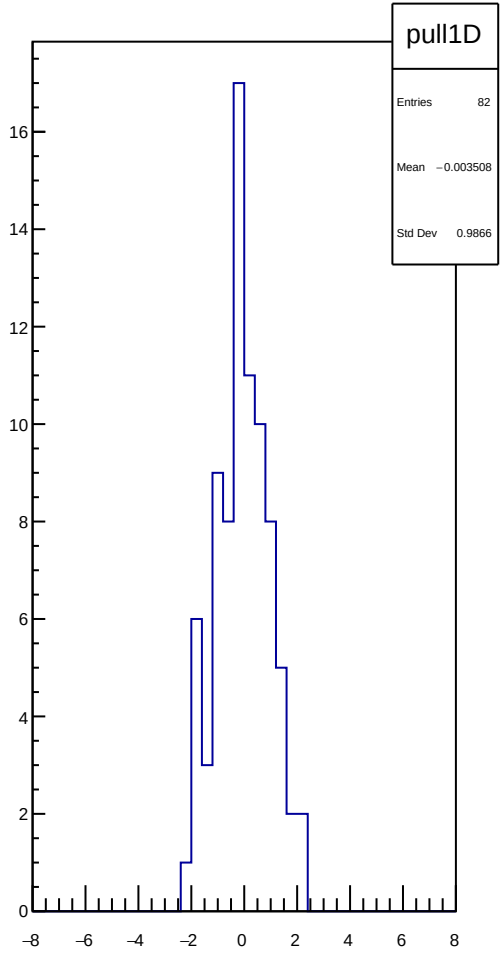

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.606e+05 / 81
p0 7.484e−11 ± 7.064e−14
0.5
0.4
0.3
0.2
0.1

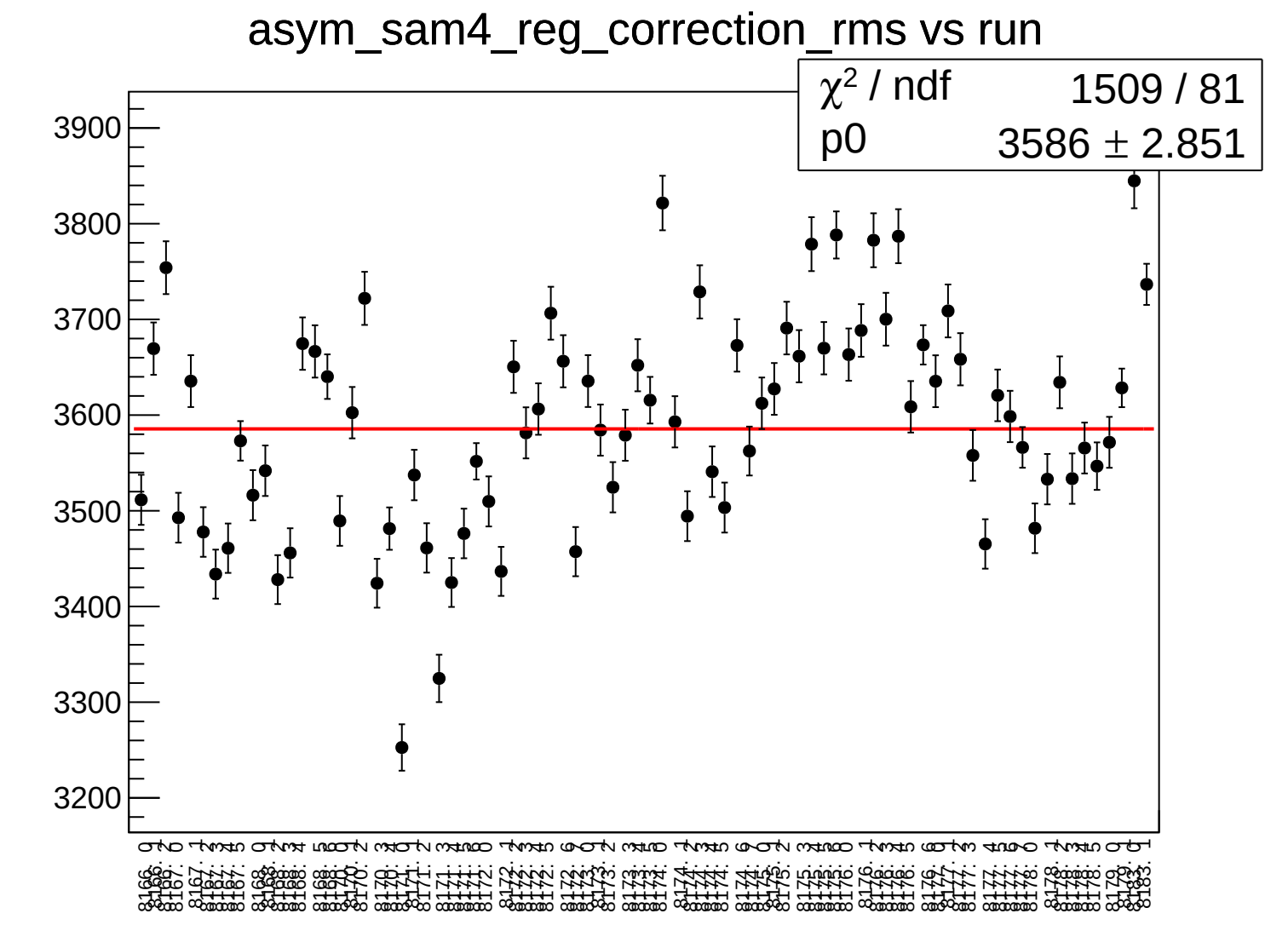

reg_asym_sam4_mean vs run
χ^2 / ndf 95.01 / 81
p0 157.5 ± 281.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −493.7
Std Dev 0
3
2
1
0
−1
−2
−3

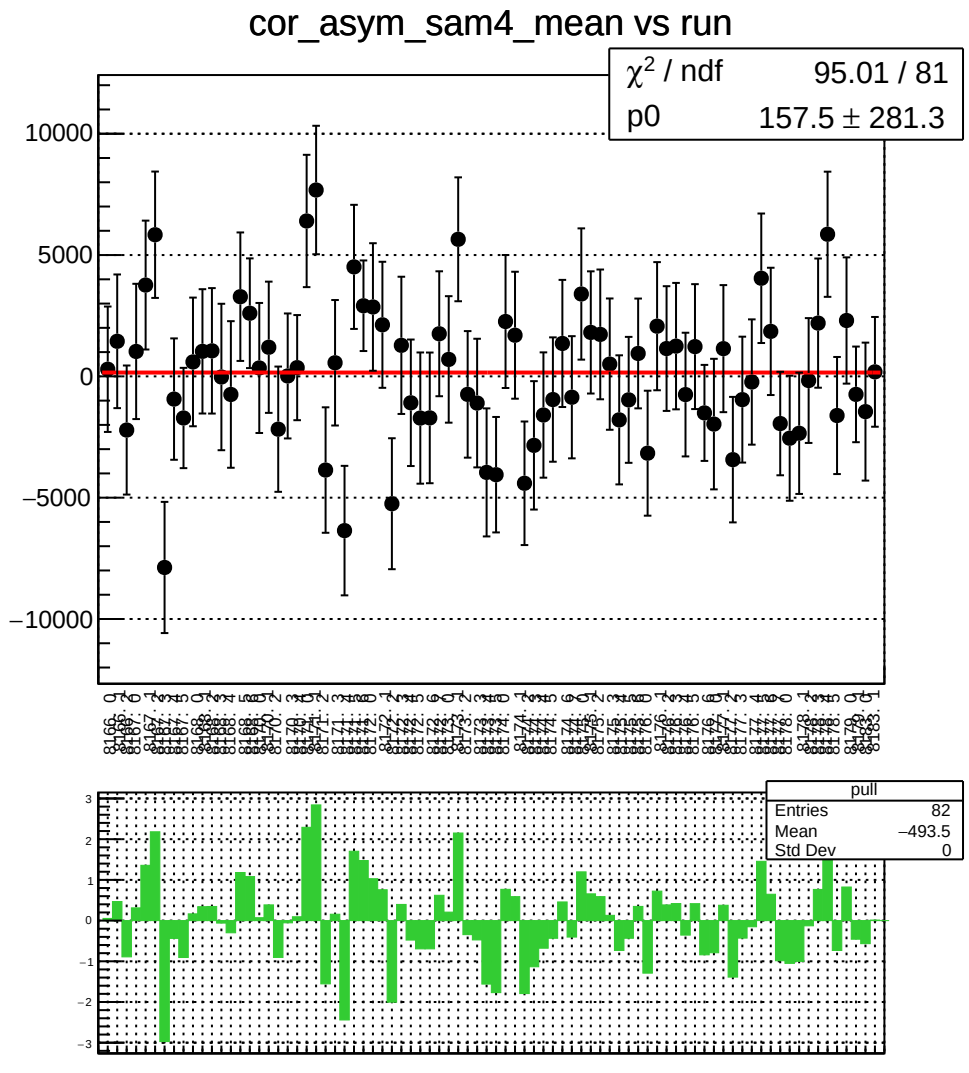

pull1D
Entries 82
Mean 0.003759
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

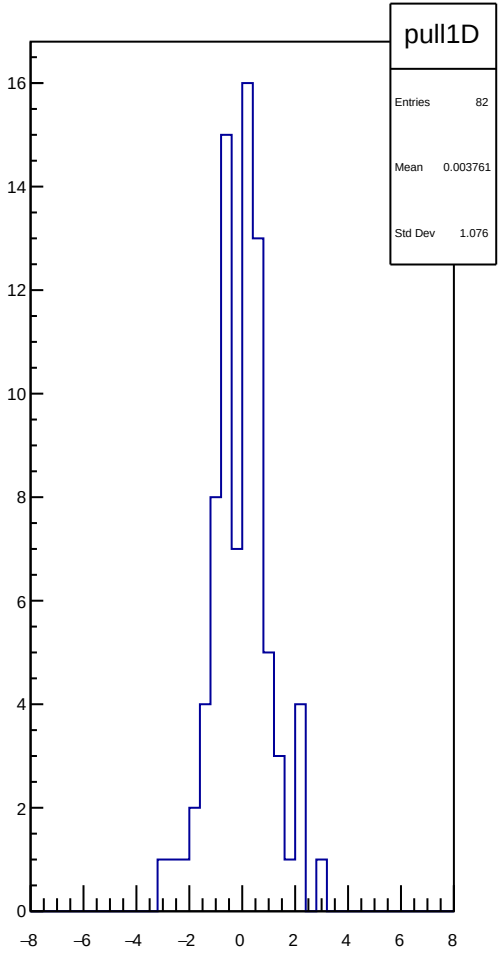

reg_asym_sam4_rms vs run
χ² / ndf 1803 / 81
p0 250.1 ± 0.1989
290
280
270
260
250
240

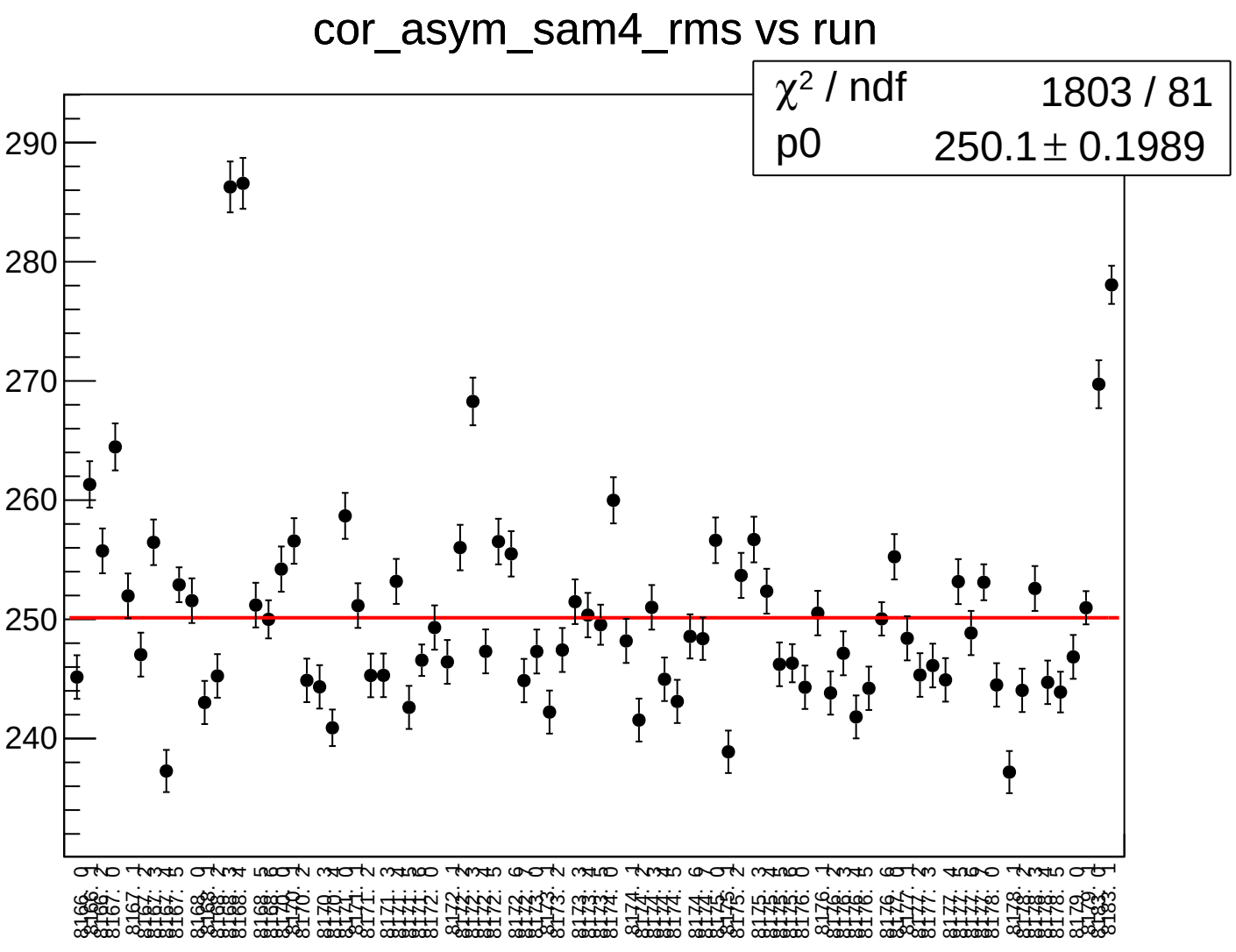

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 79.82 / 81
p0 −3972 ± 4032
100
50
0
−50
−100
pull
Entries 82
Mean −447.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

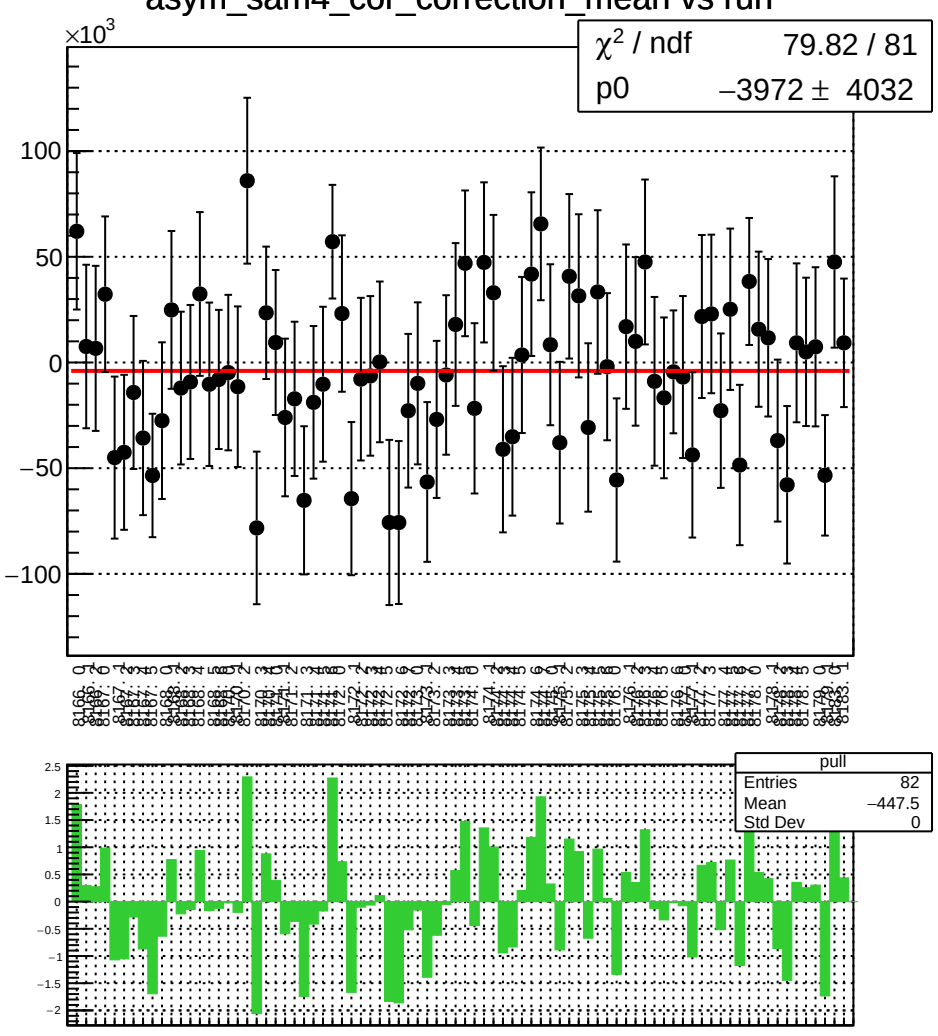

pull1D
Entries 82
Mean −0.003508
Std Dev 0.9866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

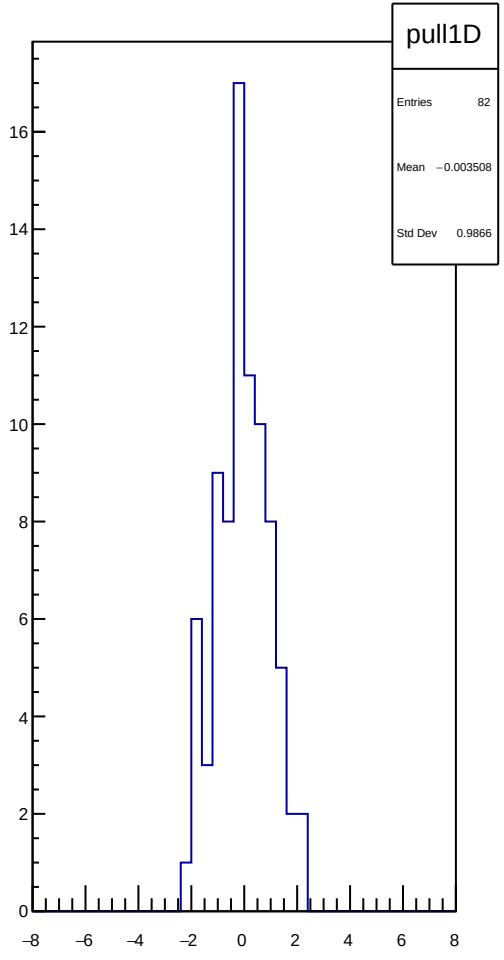

asym_sam4_reg_correction_rms vs run
χ² / ndf 1509 / 81
p0 3586 ± 2.851
3900
3800
3700
3600
3500
3400
3300
3200

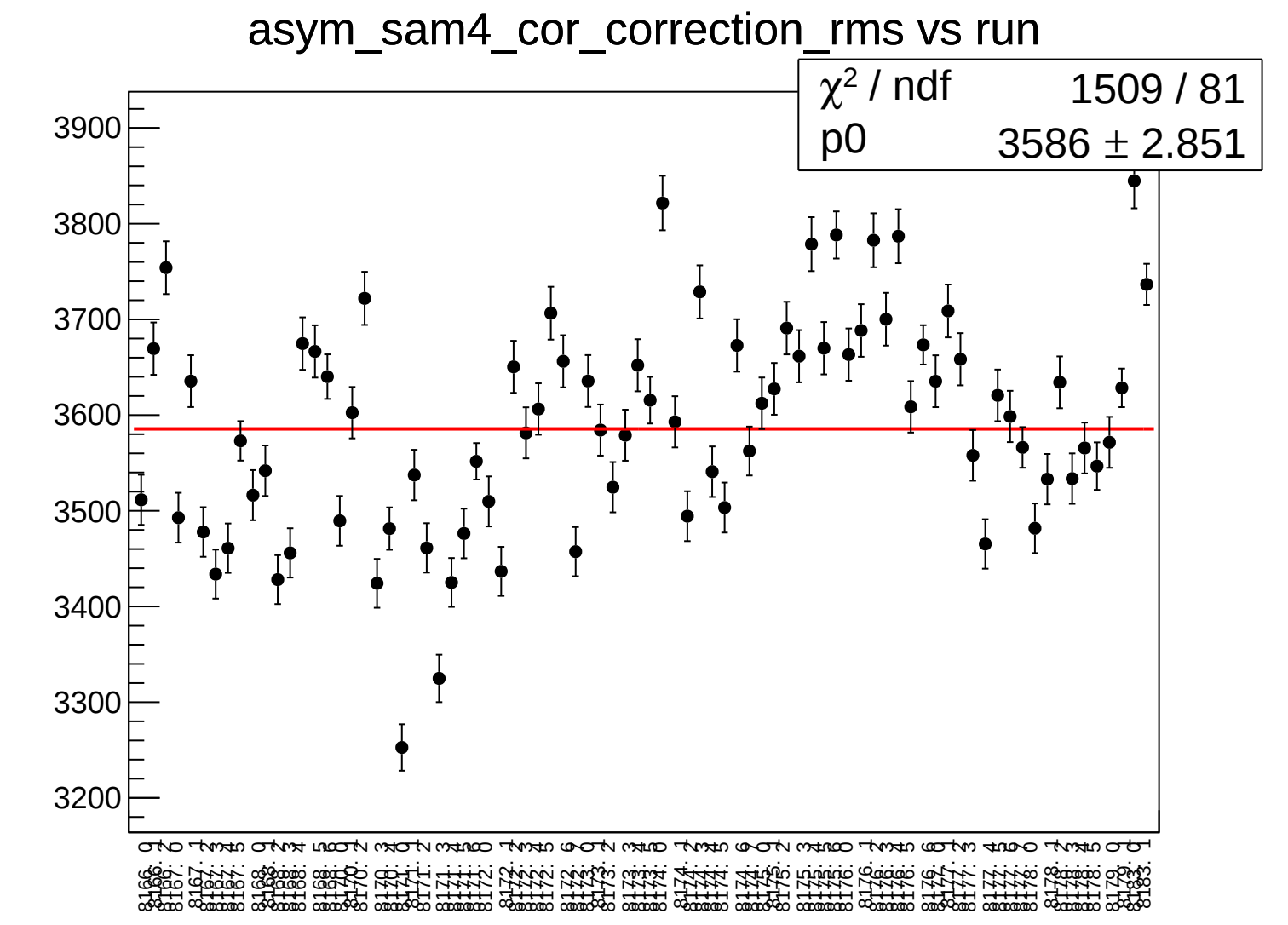

cor_asym_sam4_mean vs run
χ² / ndf 95.01 / 81
p0 157.5 ± 281.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −493.5
Std Dev 0
3
2
1
0
−1
−2
−3

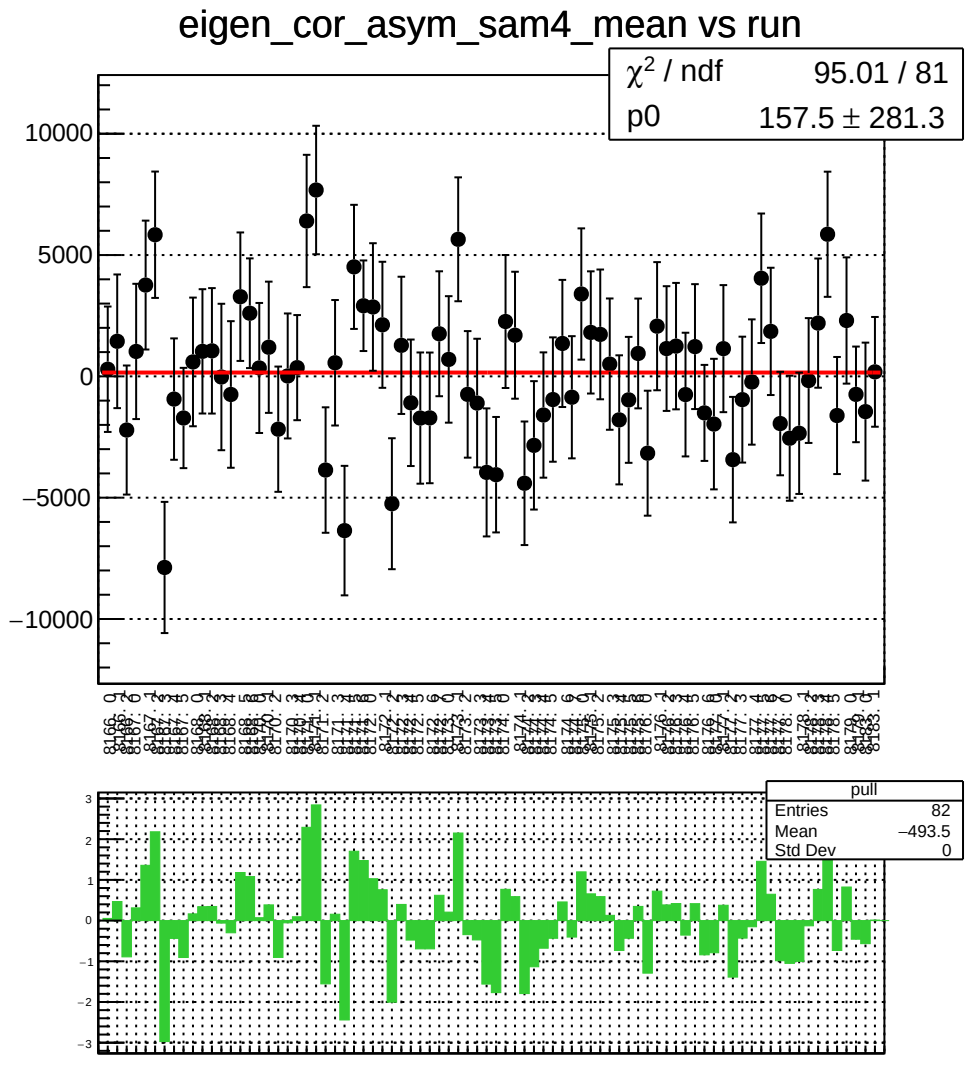

pull1D
Entries 82
Mean 0.003761
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

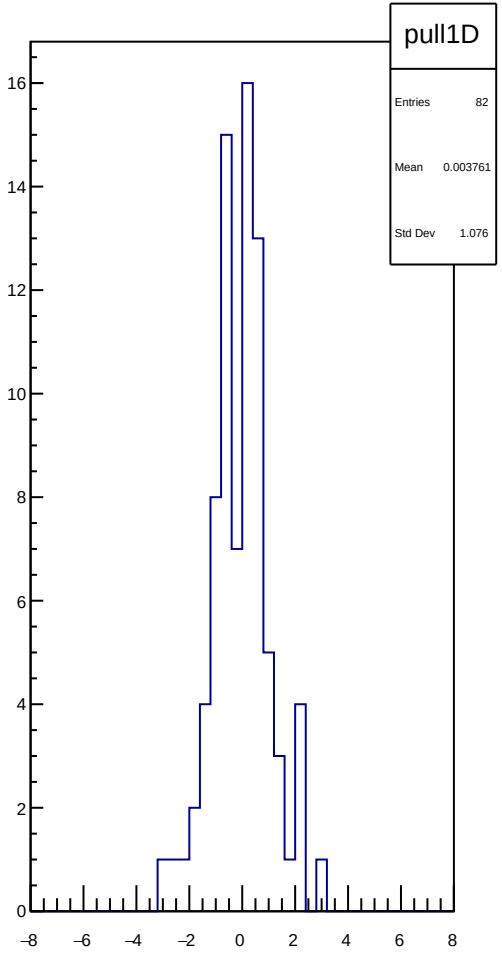

cor_asym_sam4_rms vs run
χ² / ndf 1803 / 81
p0 250.1 ± 0.1989
290
280
270
260
250
240

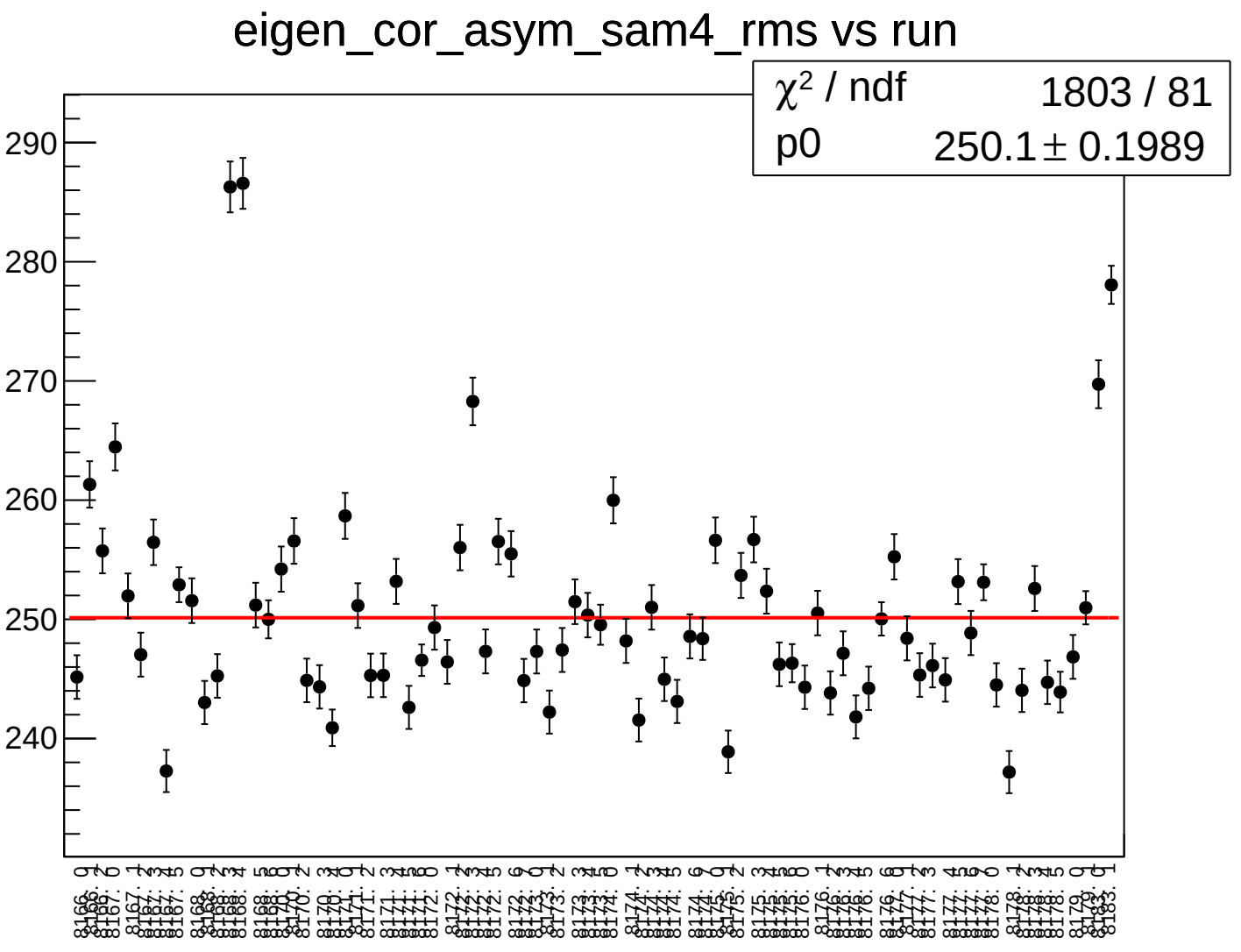

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 79.82 / 81
p0 −3972 ± 4032
100
50
0
−50
−100
pull
Entries 82
Mean −447.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

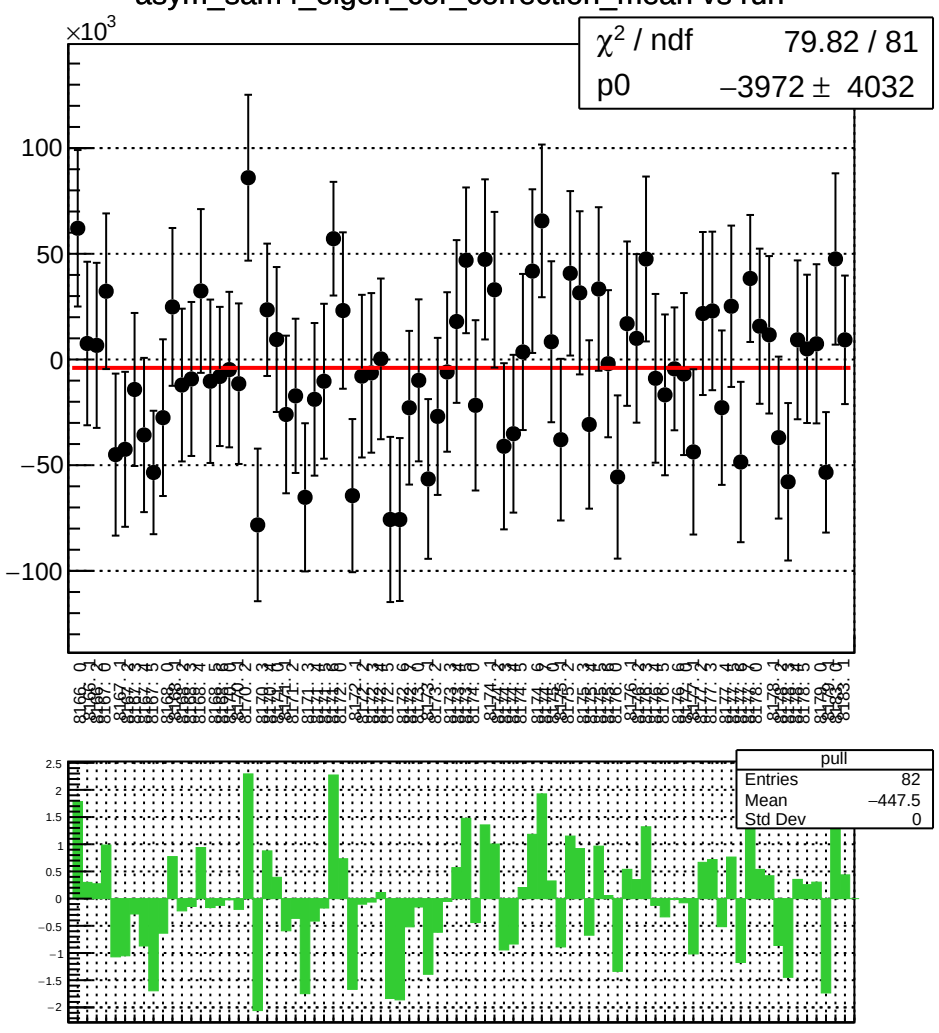

pull1D
Entries 82
Mean −0.003508
Std Dev 0.9866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

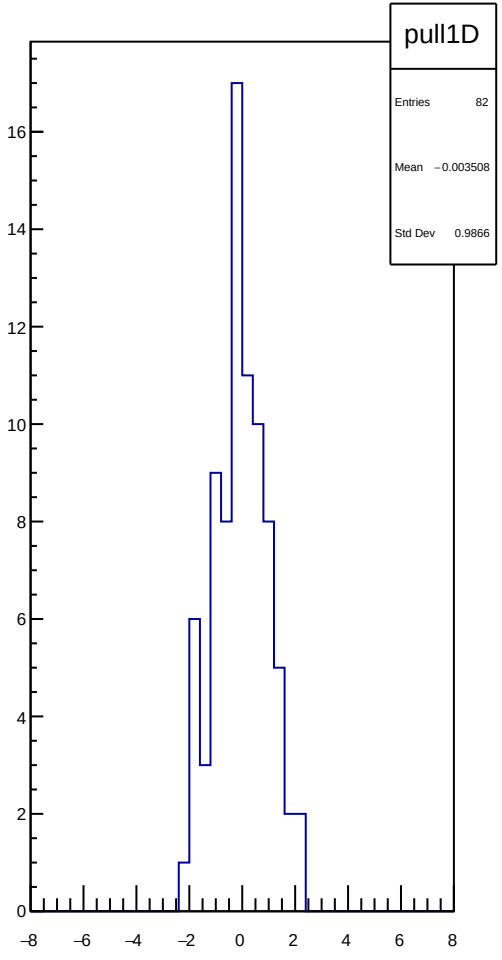

asym_sam4_cor_correction_rms vs run
χ² / ndf 1509 / 81
p0 3586 ± 2.851
3900
3800
3700
3600
3500
3400
3300
3200

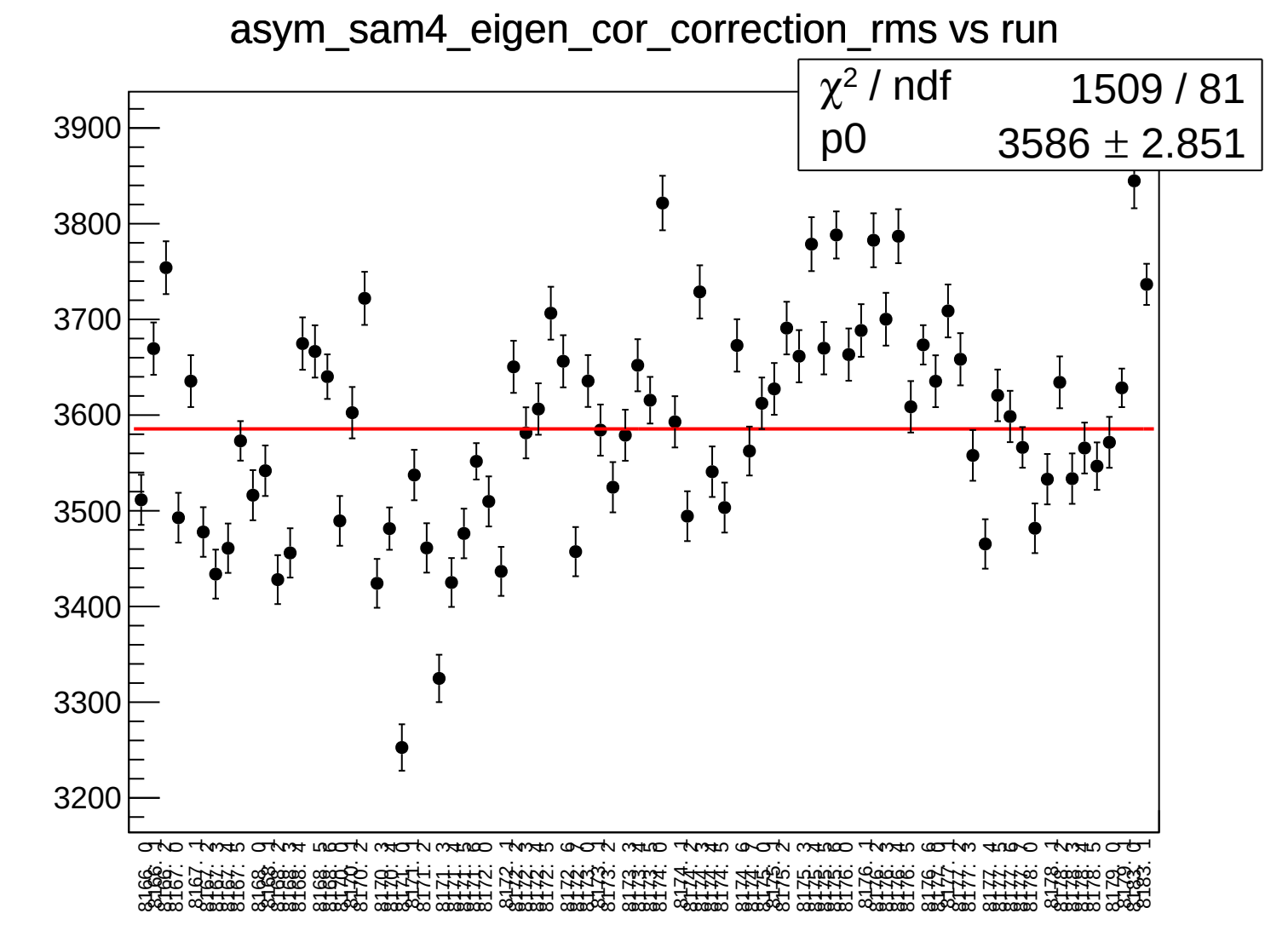

eigen_cor_asym_sam4_mean vs run
χ² / ndf 95.01 / 81
p0 157.5 ± 281.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −493.5
Std Dev 0
3
2
1
0
−1
−2
−3

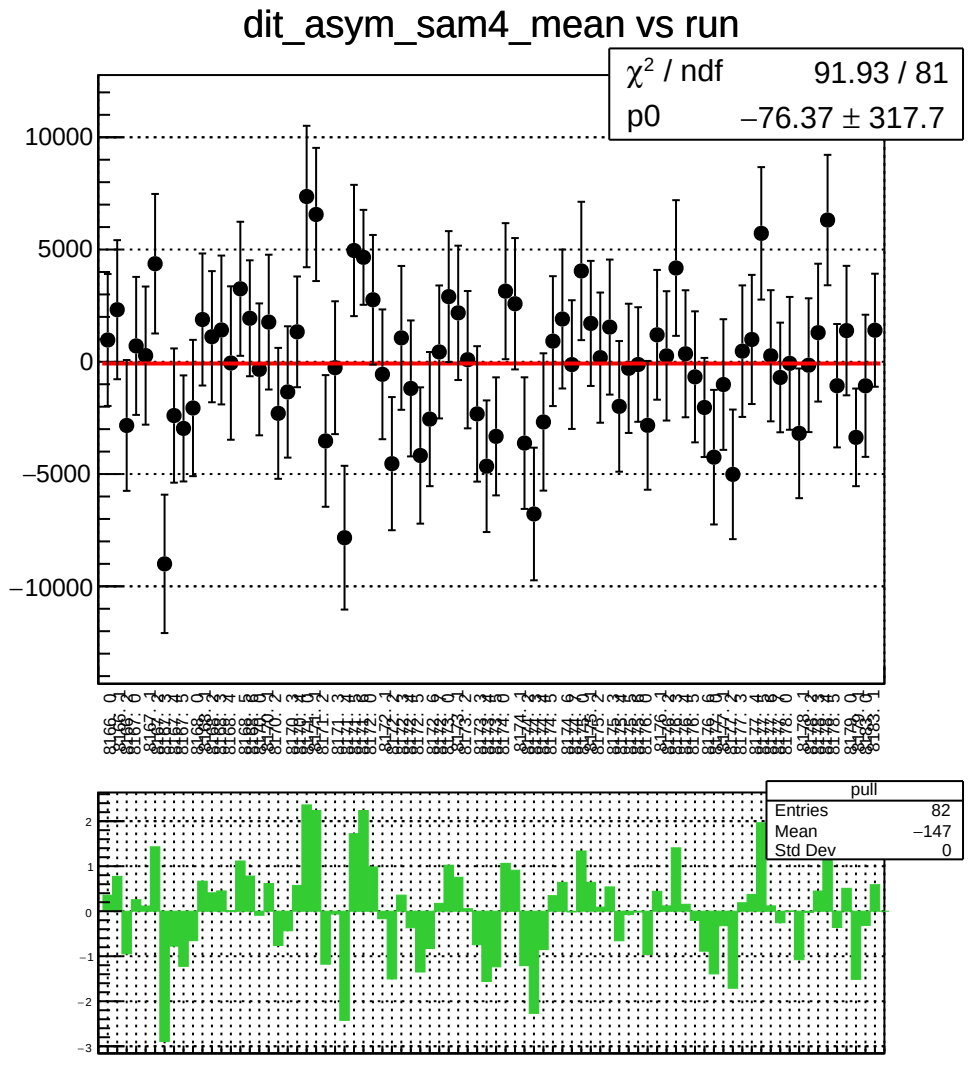

pull1D
Entries 82
Mean 0.003761
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

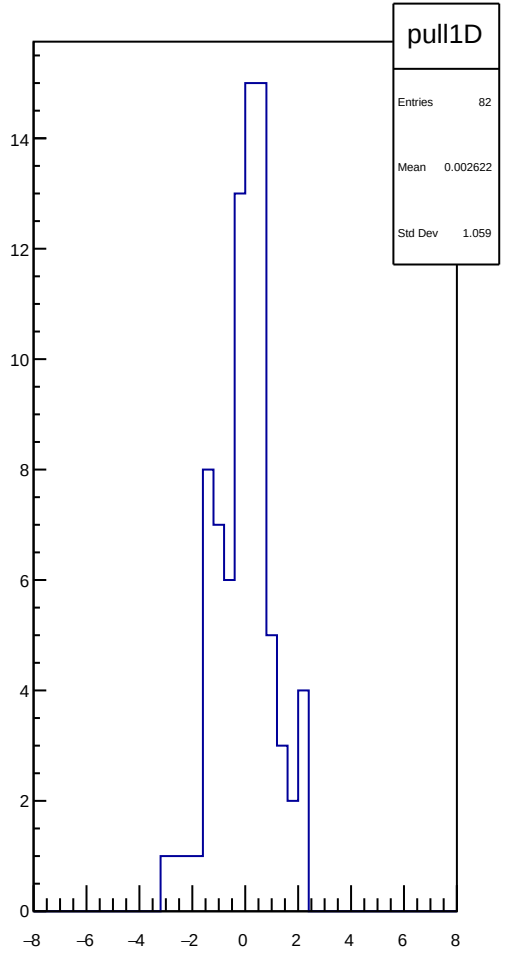

eigen_cor_asym_sam4_rms vs run
χ² / ndf 1803 / 81
p0 250.1 ± 0.1989
290
280
270
260
250
240

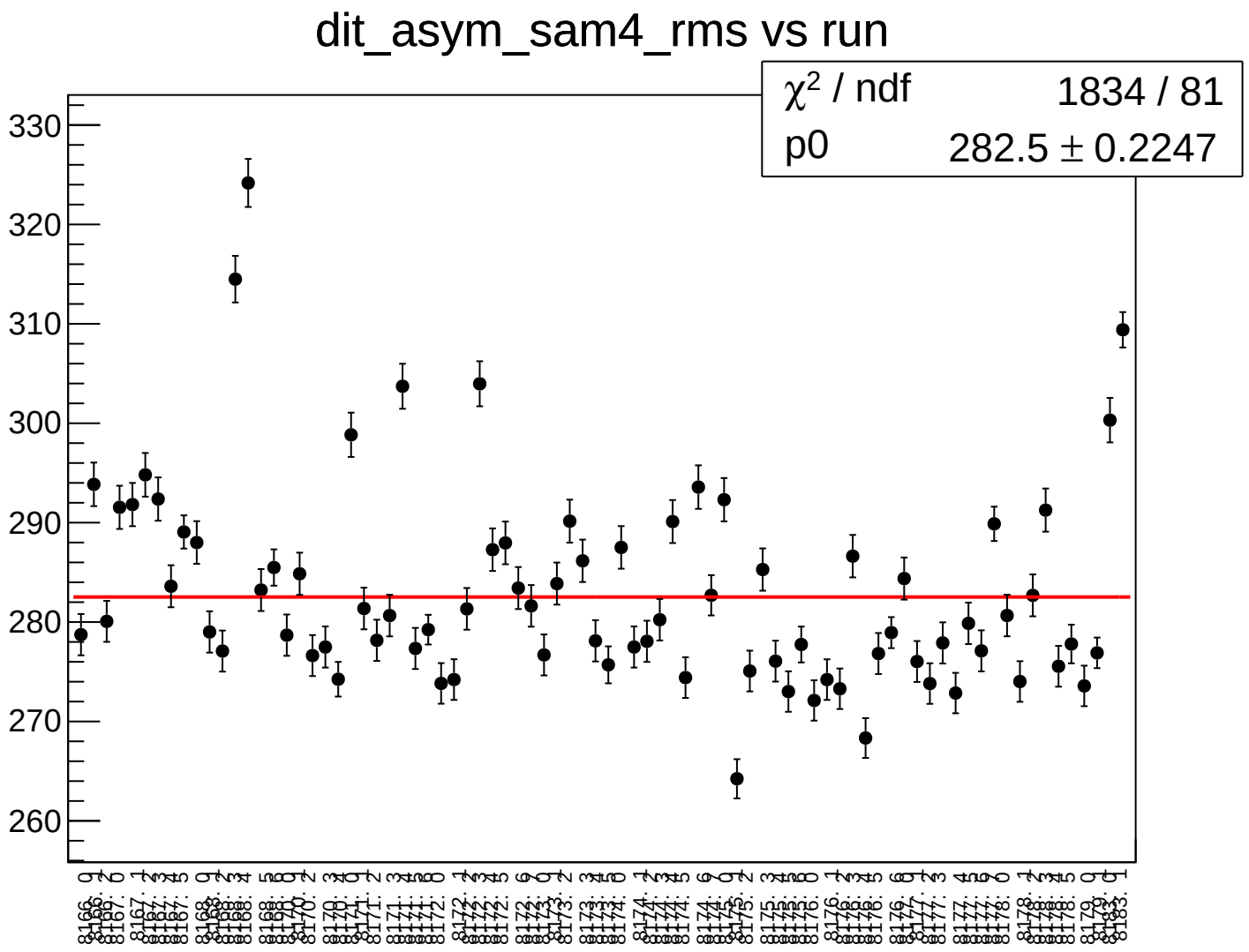

asym_sam4_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 79.82 / 81
p0 −3972 ± 4032
100
50
0
−50
−100
pull
Entries 82
Mean −447.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

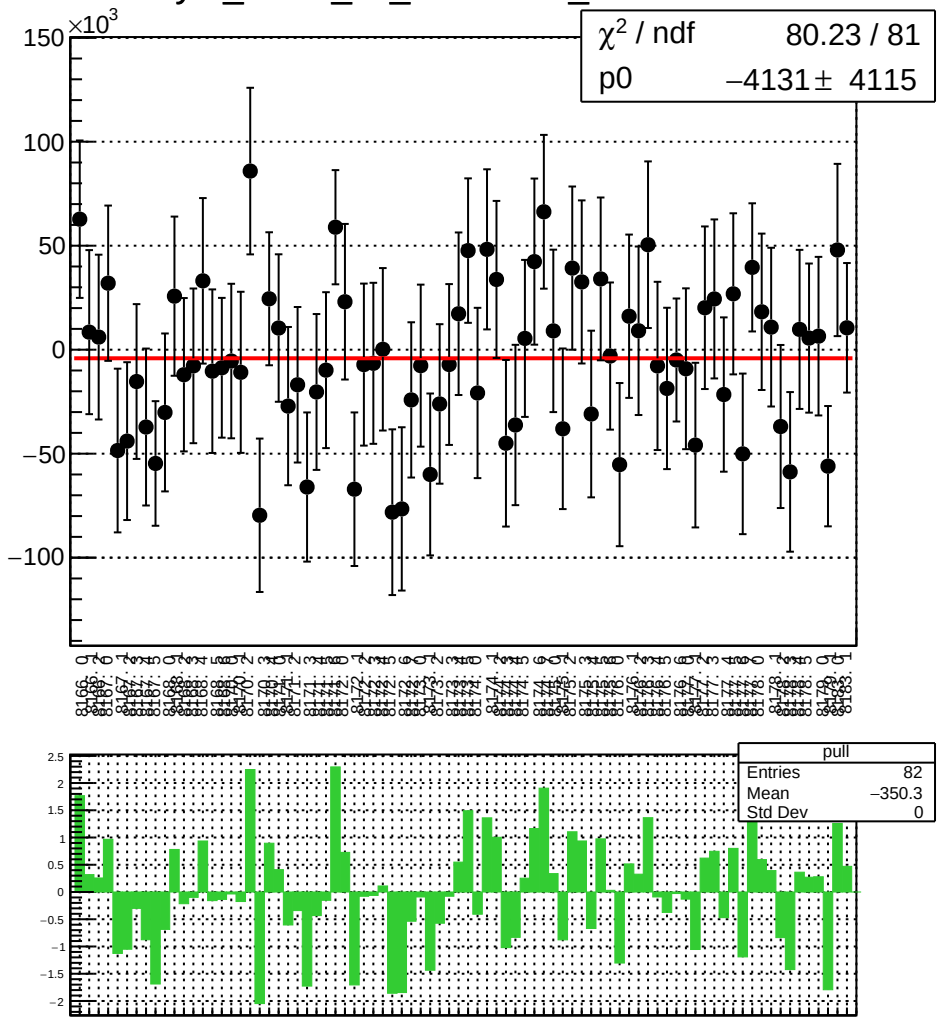

pull1D
Entries 82
Mean −0.003508
Std Dev 0.9866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

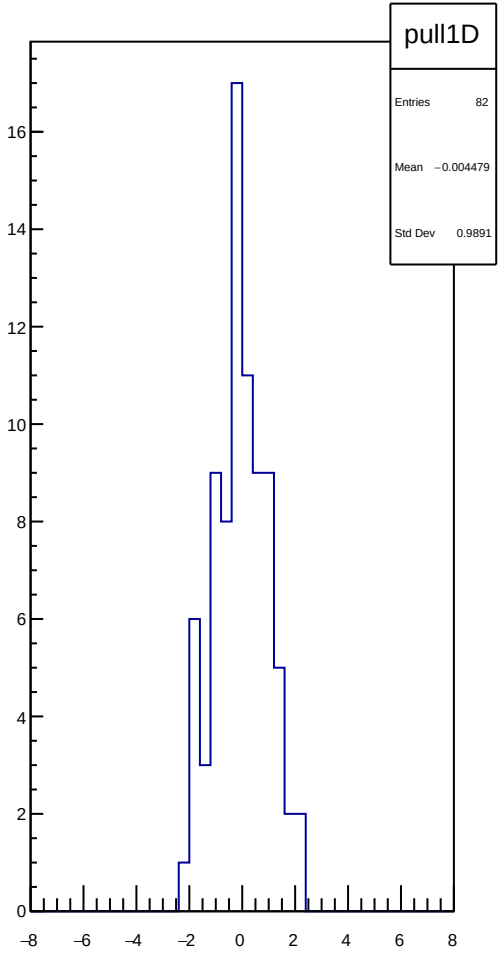

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1509 / 81
p0 3586 ± 2.851
3900
3800
3700
3600
3500
3400
3300
3200

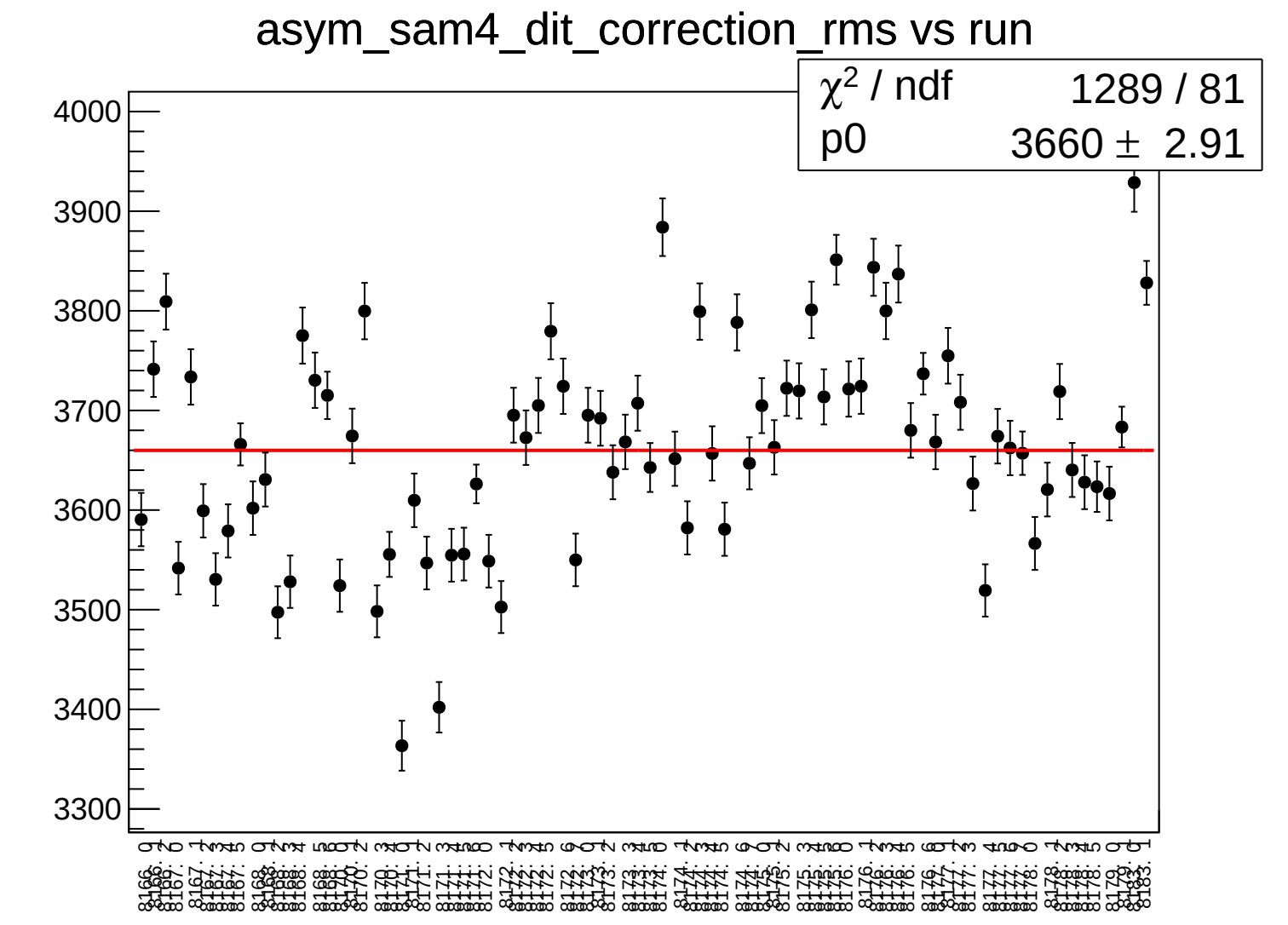

dit_asym_sam4_mean vs run
χ² / ndf 91.93 / 81
p0 −76.37 ± 317.7
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −147
Std Dev 0
2
1
0
−1
−2
−3

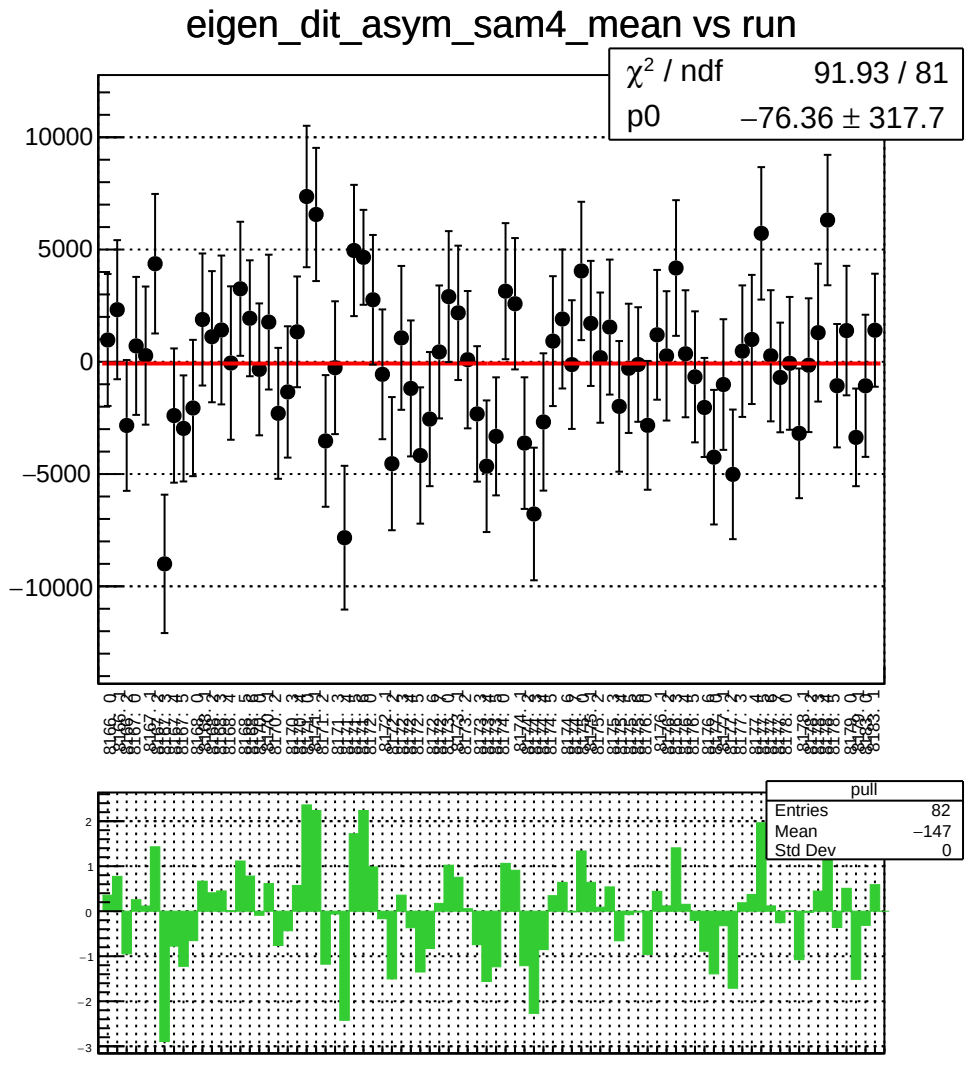

pull1D
Entries 82
Mean 0.002622
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

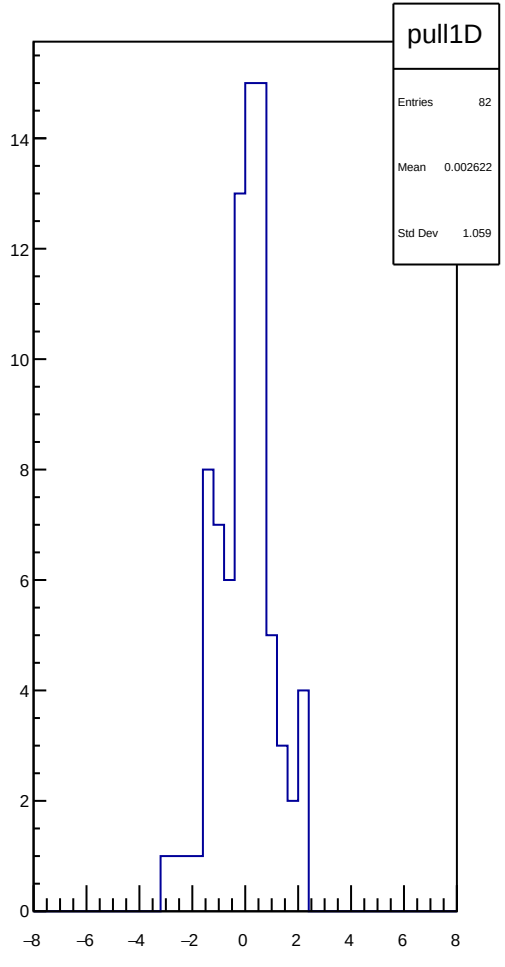

dit_asym_sam4_rms vs run
χ² / ndf 1834 / 81
p0 282.5 ± 0.2247
330
320
310
300
290
280
270
260

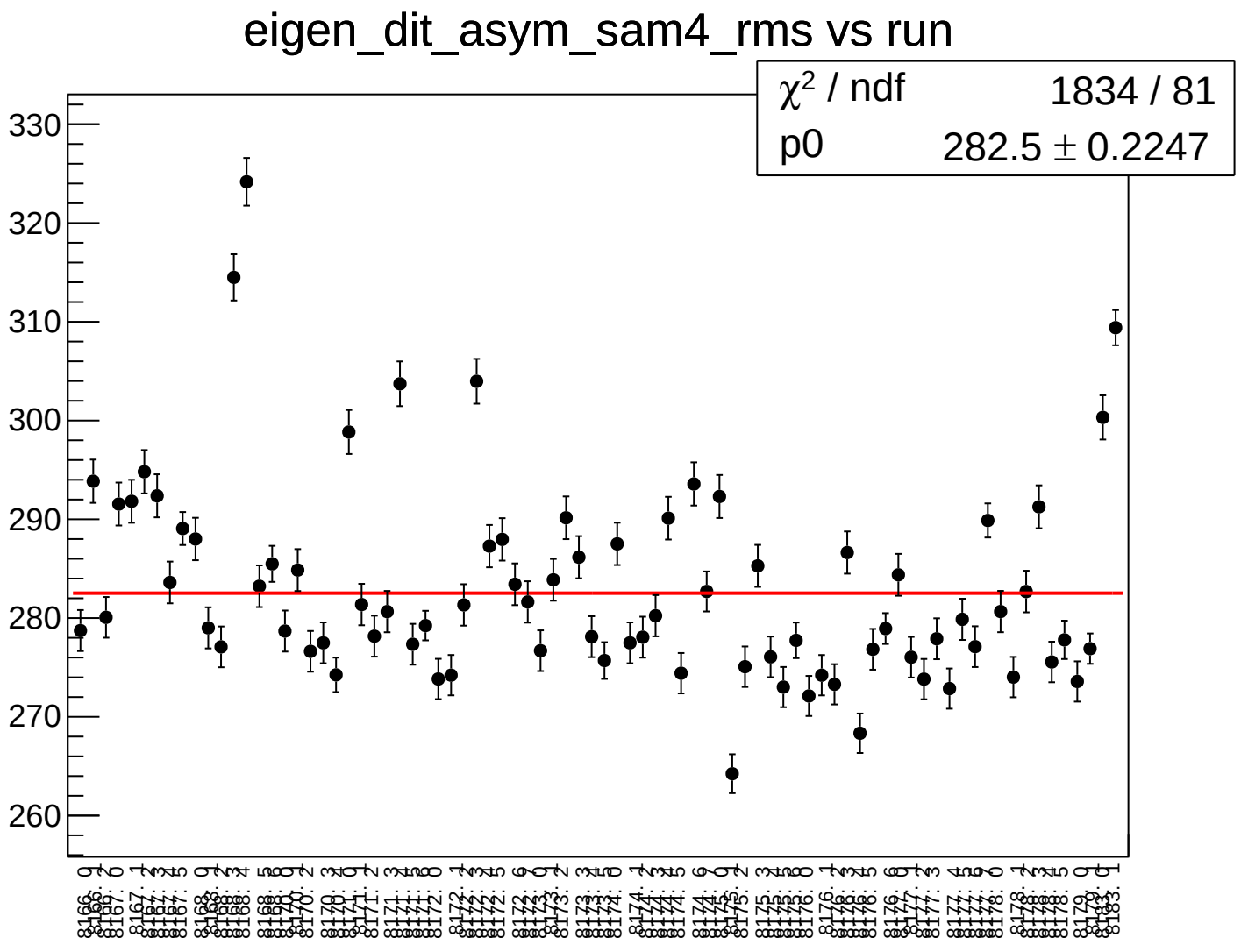

asym_sam4_dit_correction_mean vs run
χ² / ndf 80.23 / 81
p0 −4131 ± 4115
×10³
150
100
50
0
−50
−100
pull
Entries 82
Mean −350.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

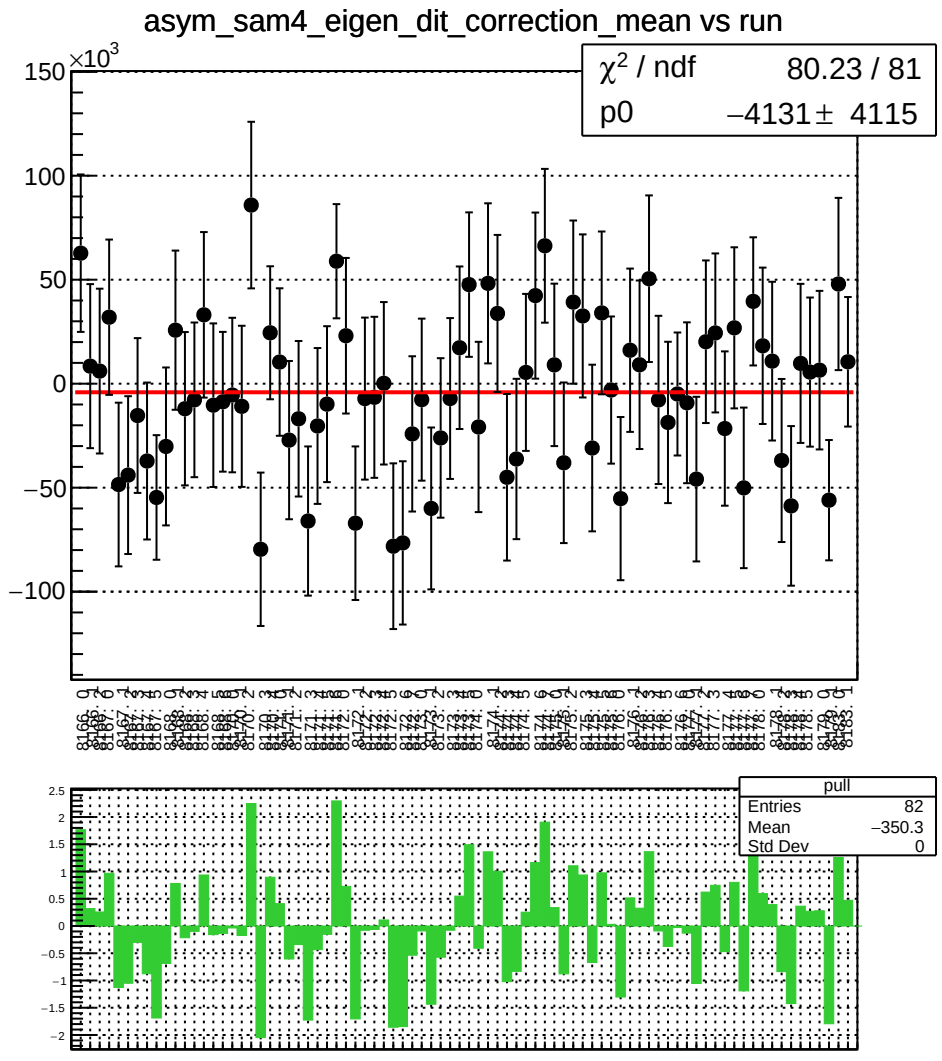

pull1D
Entries 82
Mean −0.004479
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

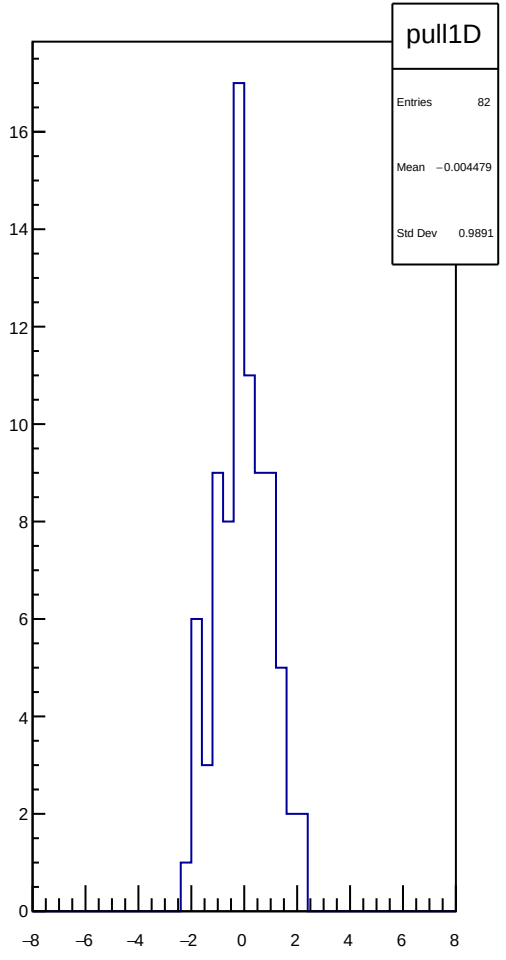

asym_sam4_dit_correction_rms vs run
χ² / ndf 1289 / 81
p0 3660 ± 2.91
4000
3900
3800
3700
3600
3500
3400
3300

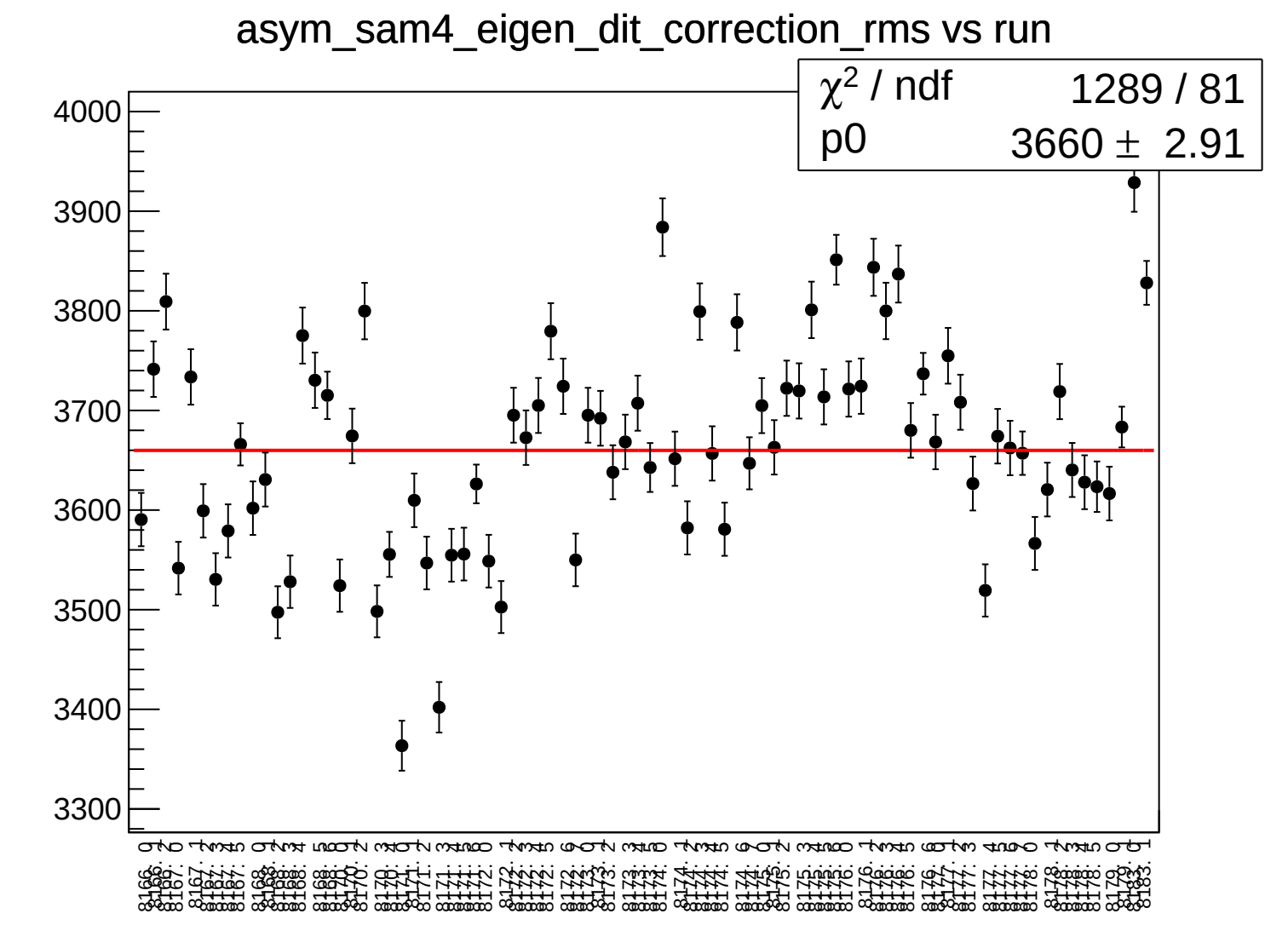

eigen_dit_asym_sam4_mean vs run
χ² / ndf 91.93 / 81
p0 −76.36 ± 317.7
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −147
Std Dev 0
2
1
0
−1
−2
−3

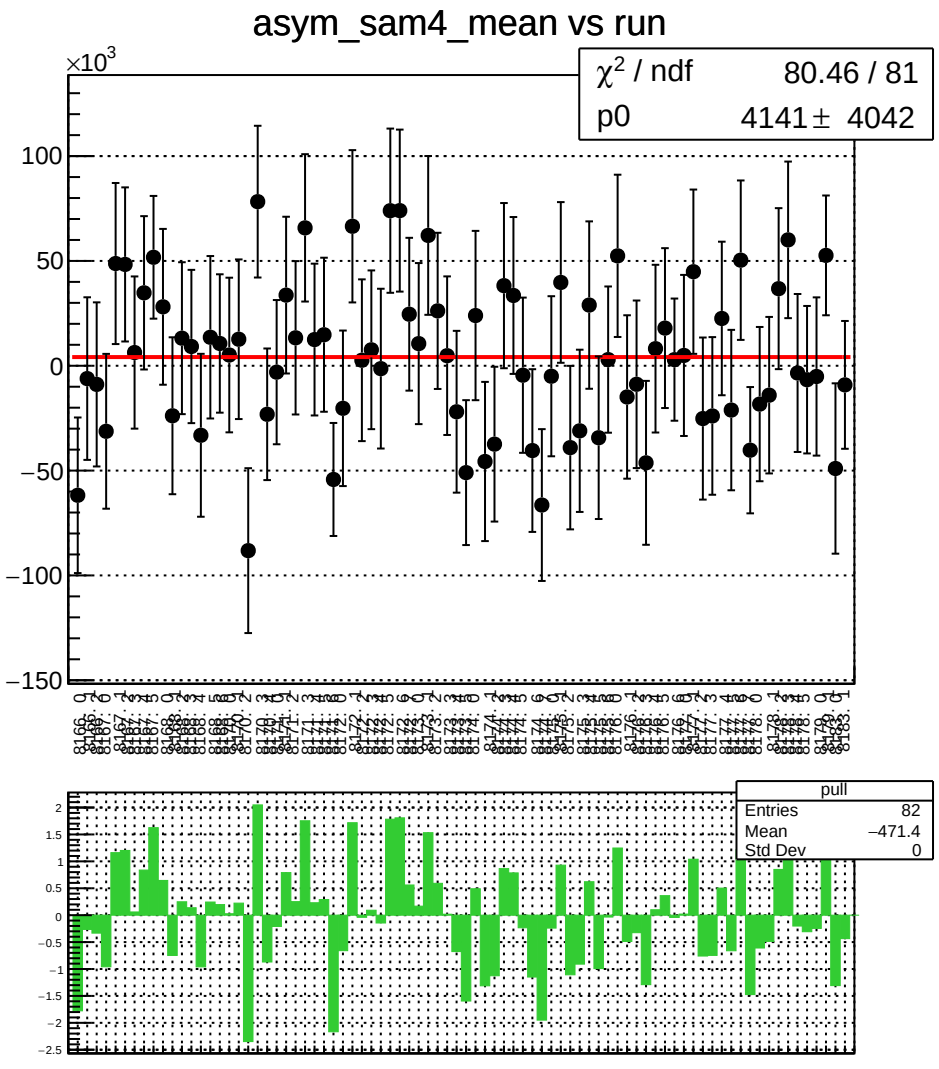

pull1D
Entries 82
Mean 0.002622
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

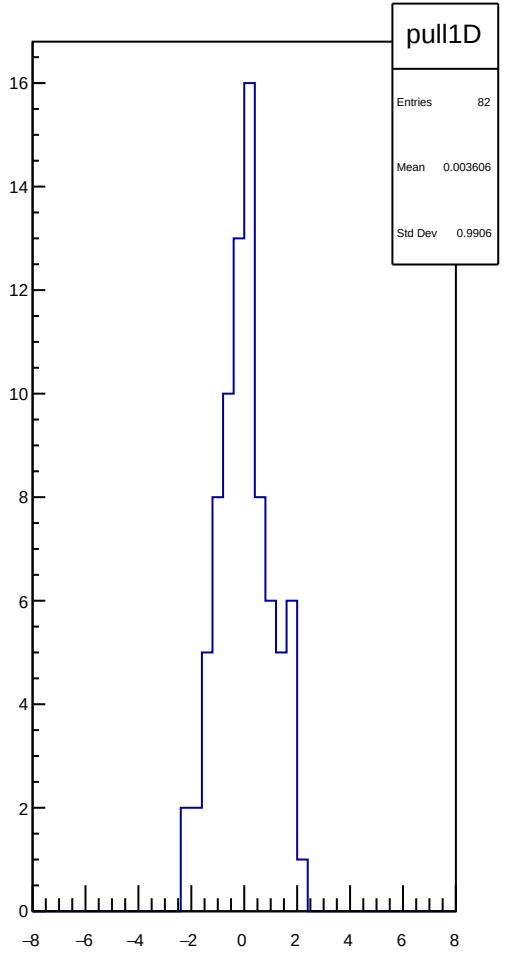

eigen_dit_asym_sam4_rms vs run
χ² / ndf 1834 / 81
p0 282.5 ± 0.2247
330
320
310
300
290
280
270
260

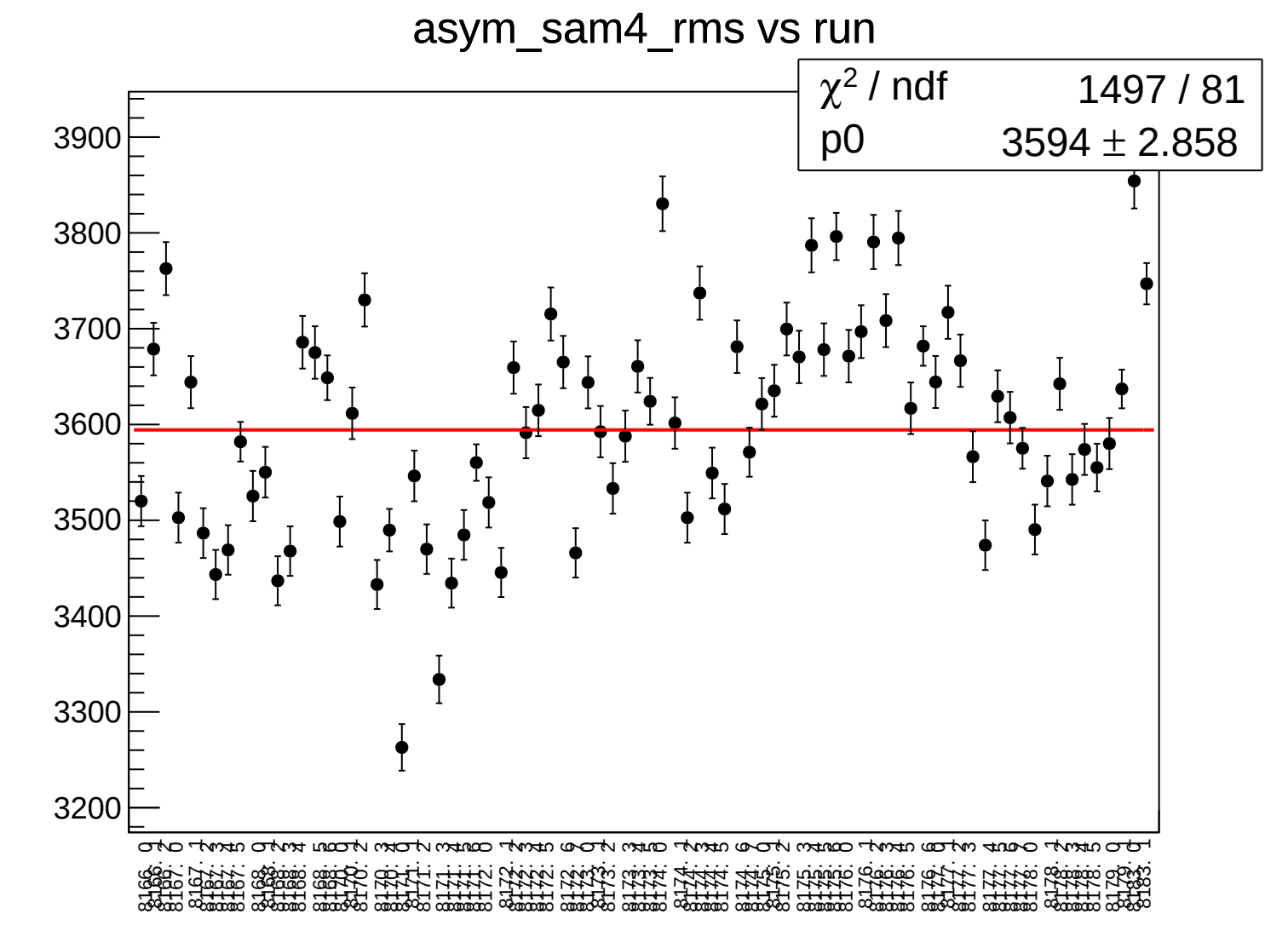

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 80.23 / 81
p0 −4131 ± 4115
×10³
150
100
50
0
−50
−100
pull
Entries 82
Mean −350.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

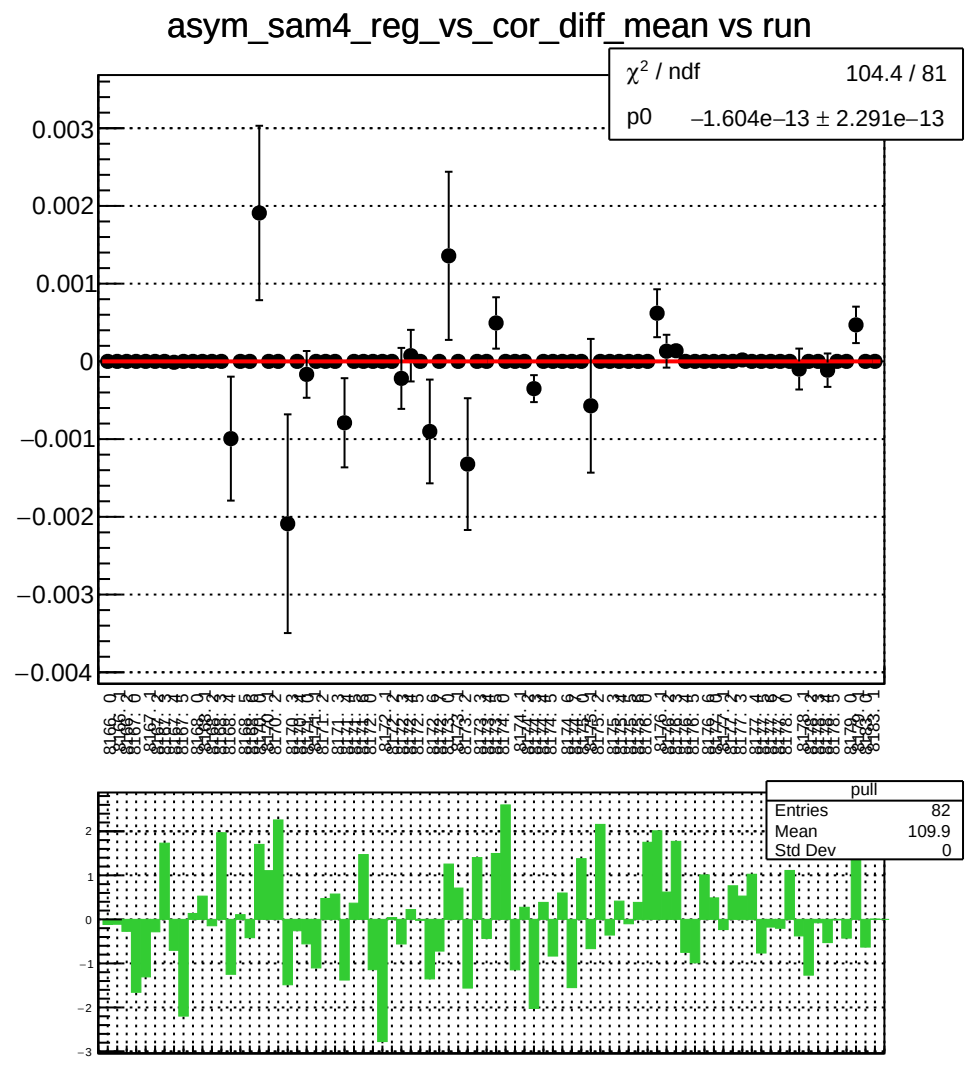

pull1D
Entries 82
Mean −0.004479
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

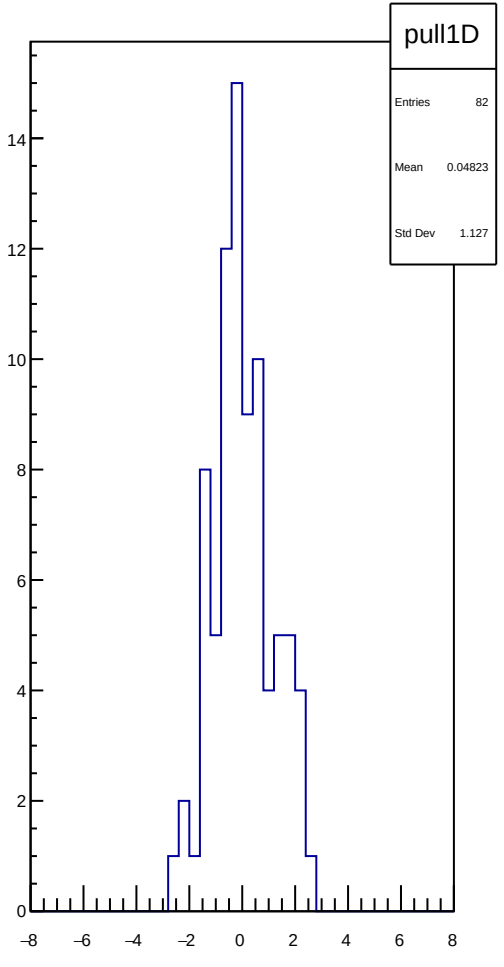

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1289 / 81
p0 3660 ± 2.91
4000
3900
3800
3700
3600
3500
3400
3300

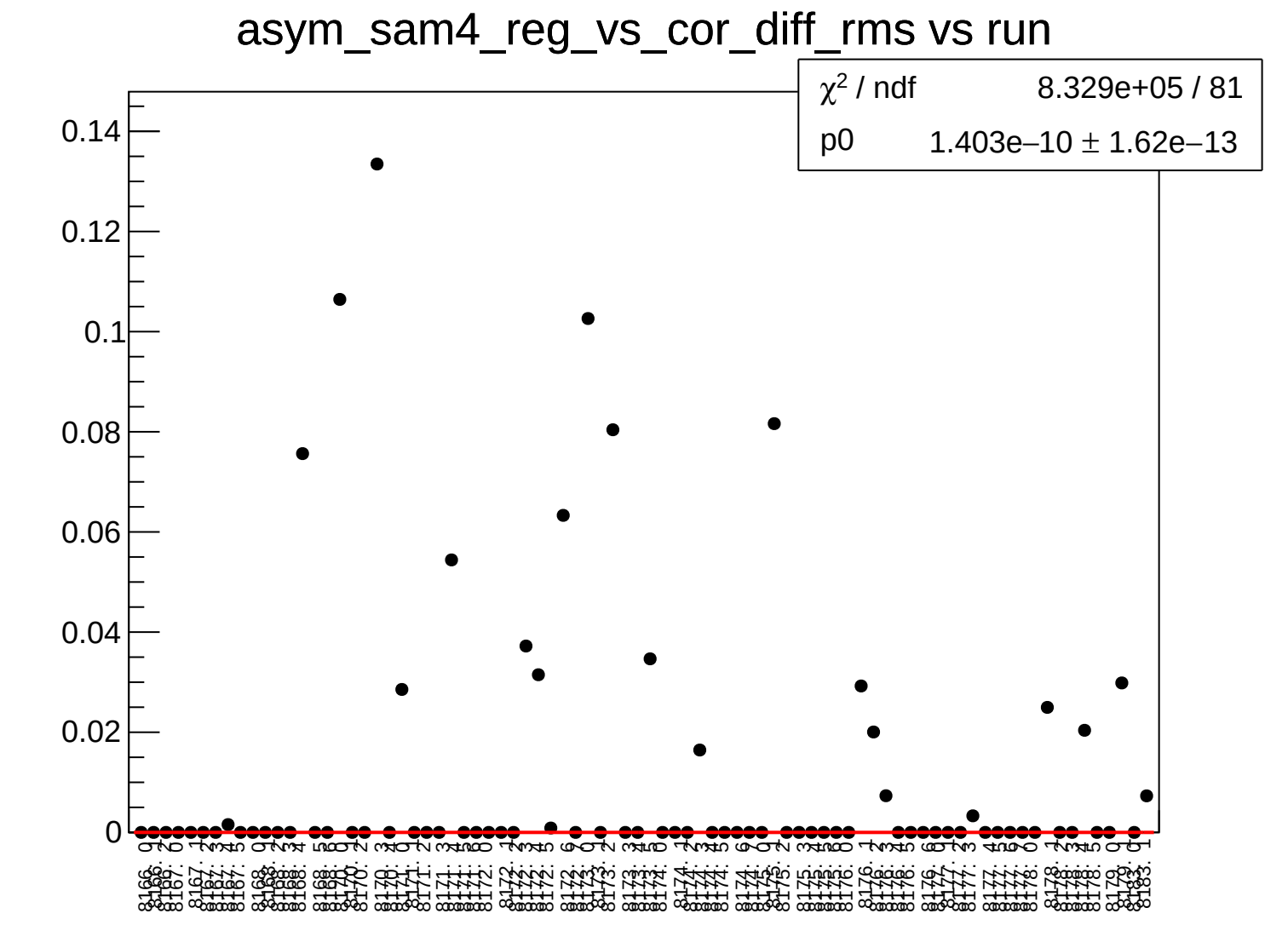

asym_sam4_mean vs run
×10^3
χ^2 / ndf 80.46 / 81
p0 4141 ± 4042
100
50
0
−50
−100
−150
pull
Entries 82
Mean −471.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

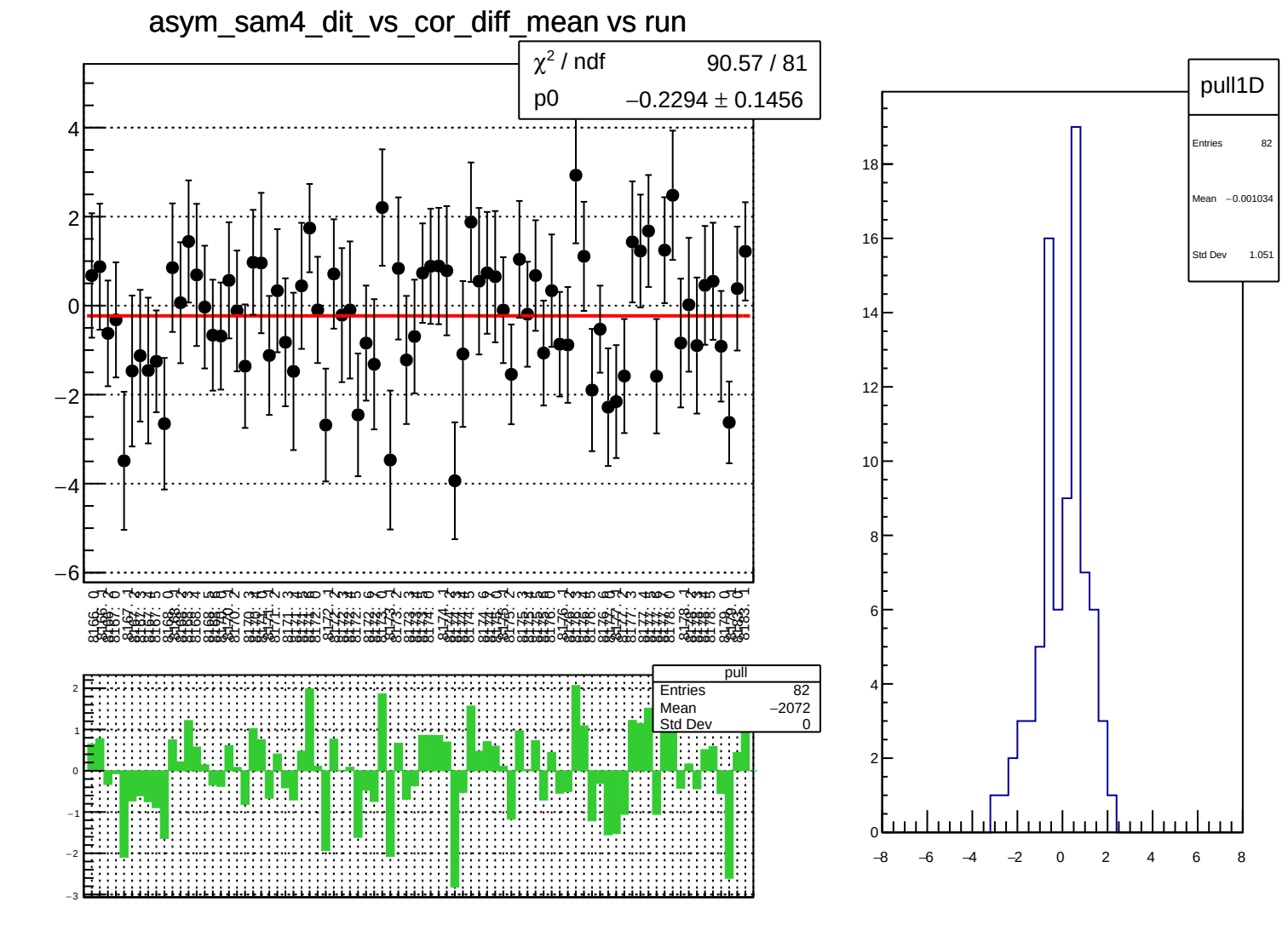

pull1D
Entries 82
Mean 0.003606
Std Dev 0.9906
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

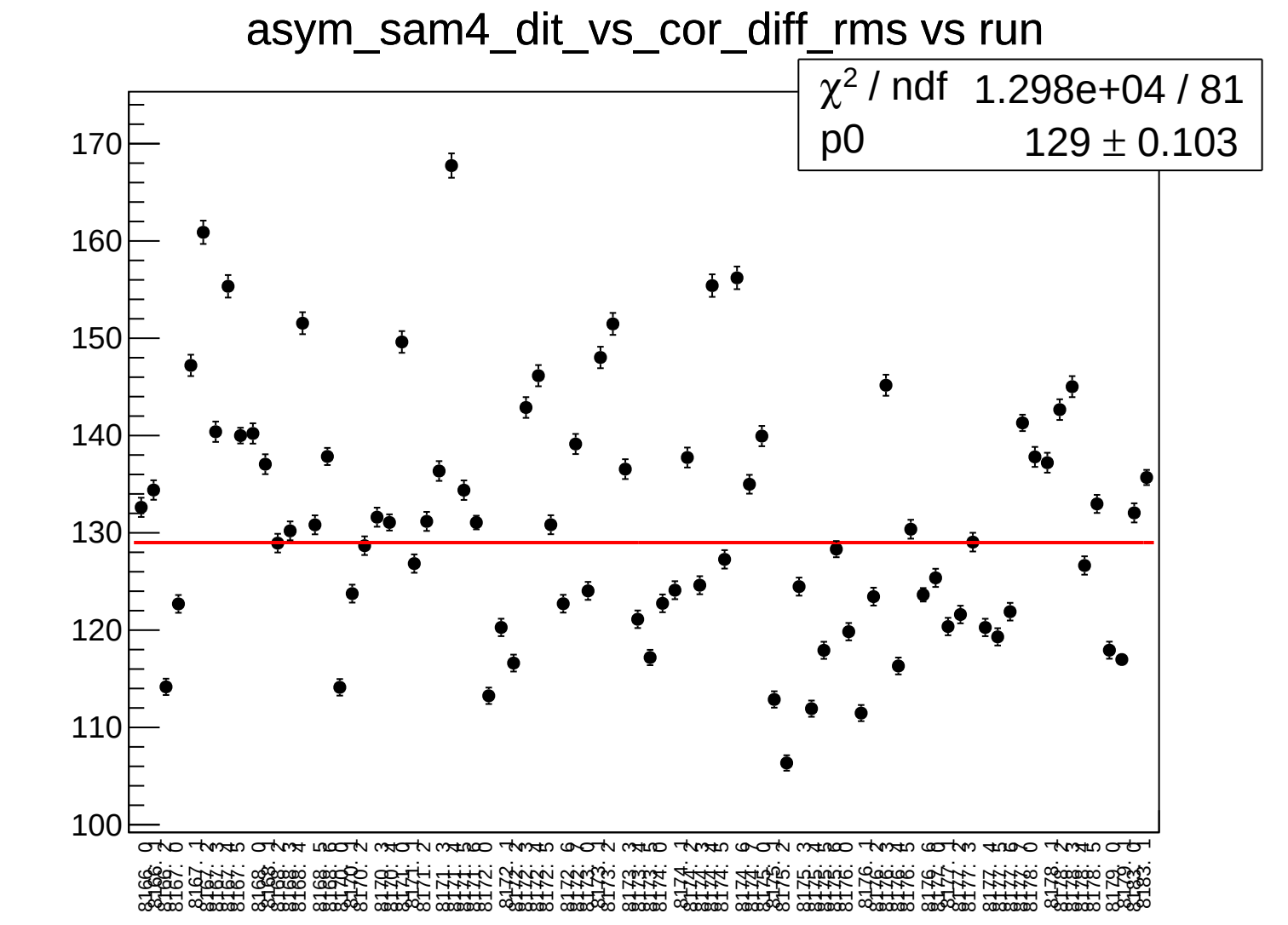

asym_sam4_rms vs run
χ² / ndf 1497 / 81
p0 3594 ± 2.858
3900
3800
3700
3600
3500
3400
3300
3200

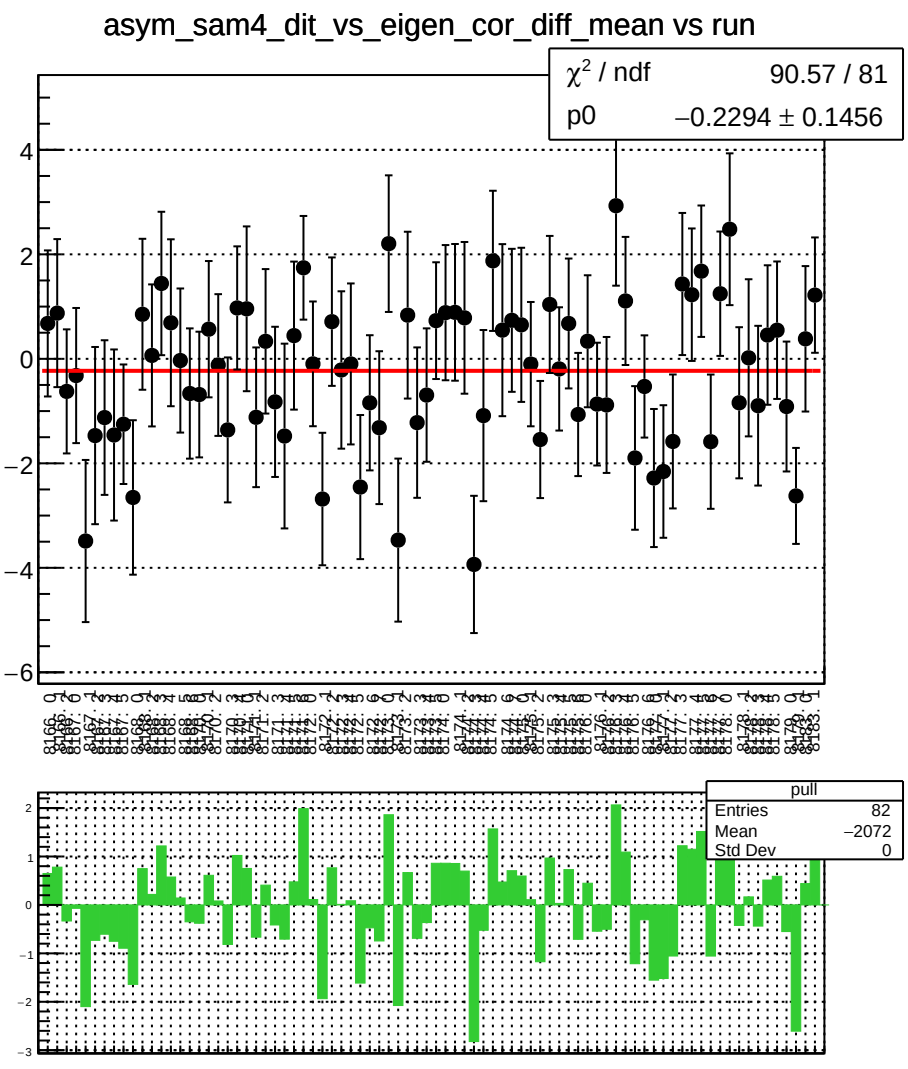

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 104.4 / 81
p0 −1.604e−13 ± 2.291e−13
pull
Entries 82
Mean 109.9
Std Dev 0

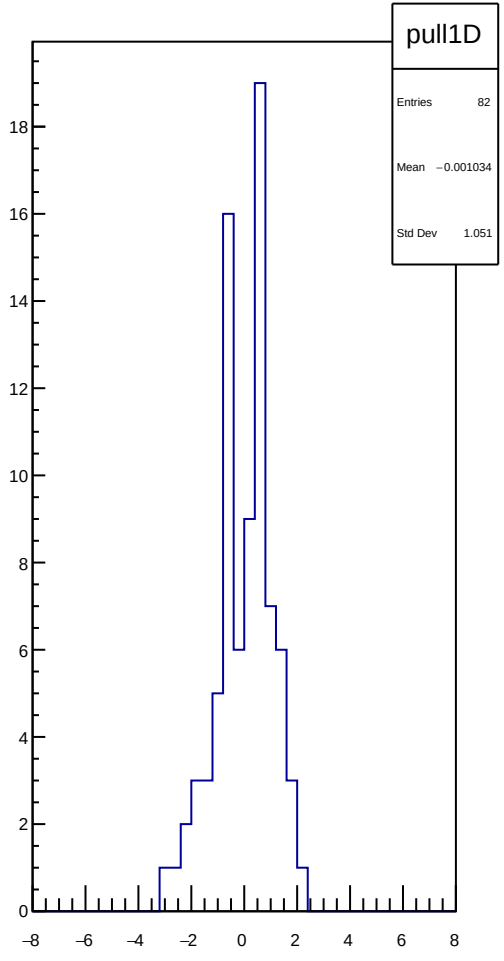

pull1D
Entries 82
Mean 0.04823
Std Dev 1.127

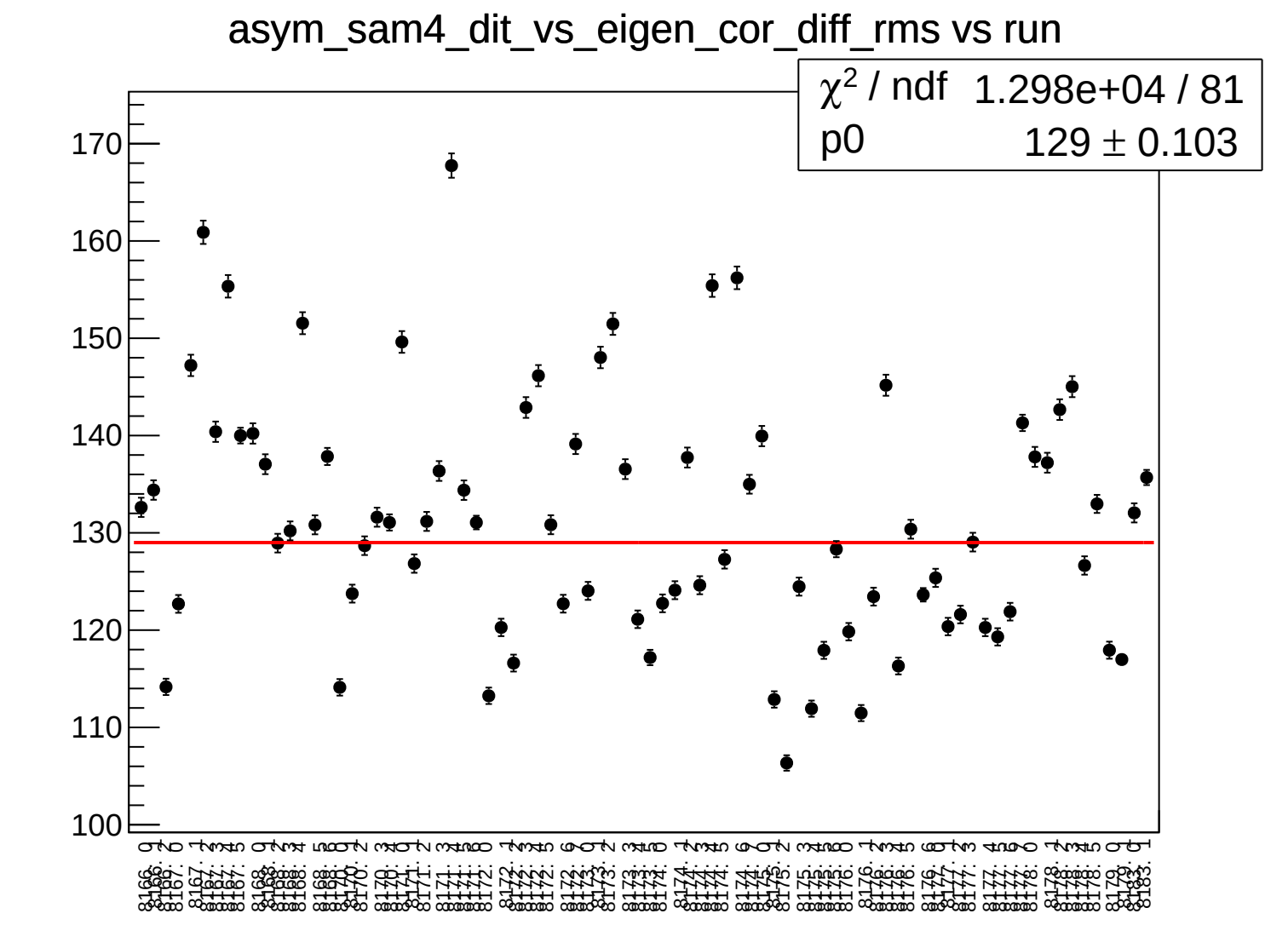

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 8.329e+05 / 81
p0 1.403e−10 ± 1.62e−13
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

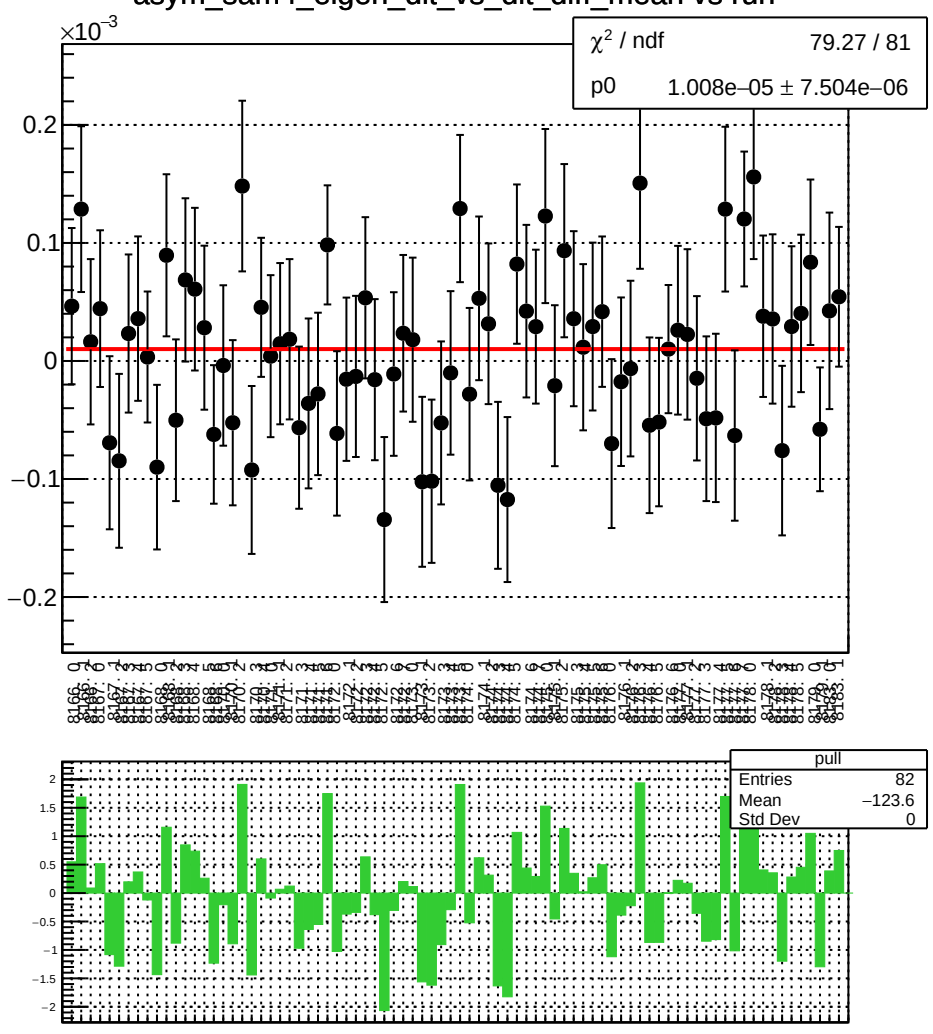

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 90.57 / 81
p0 −0.2294 ± 0.1456
pull
Entries 82
Mean −2072
Std Dev 0
pull1D
Entries 82
Mean −0.001034
Std Dev 1.051

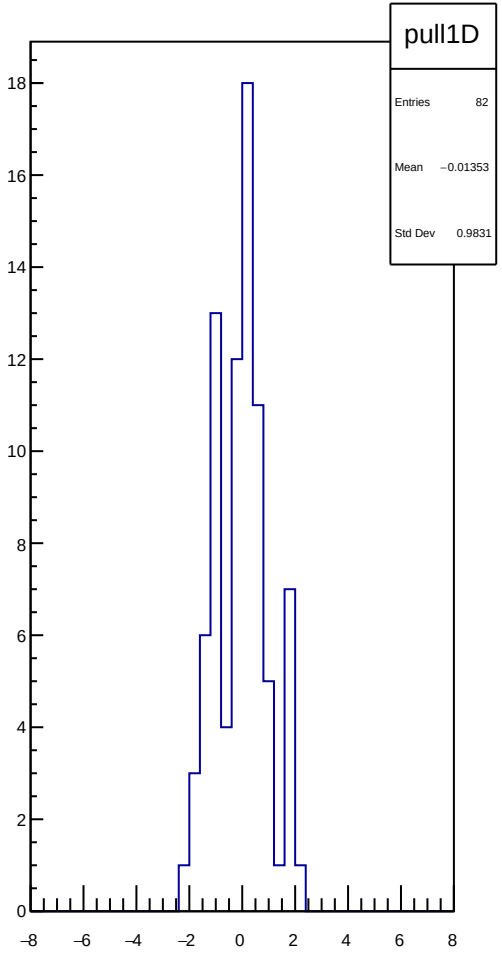

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.298e+04 / 81
p0 129 ± 0.103
170
160
150
140
130
120
110
100

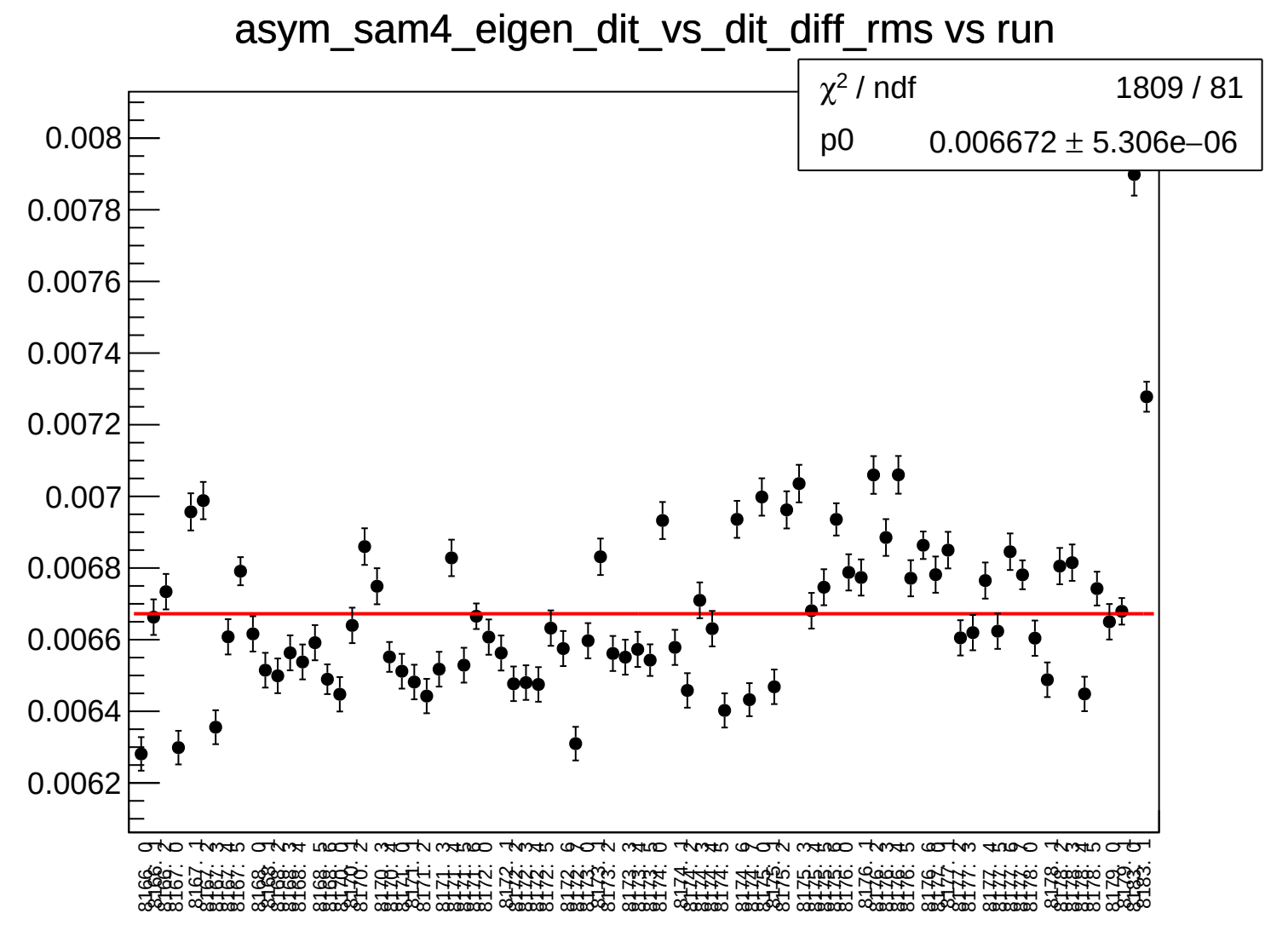

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.57 / 81
p0 −0.2294 ± 0.1456
pull
Entries 82
Mean −2072
Std Dev 0

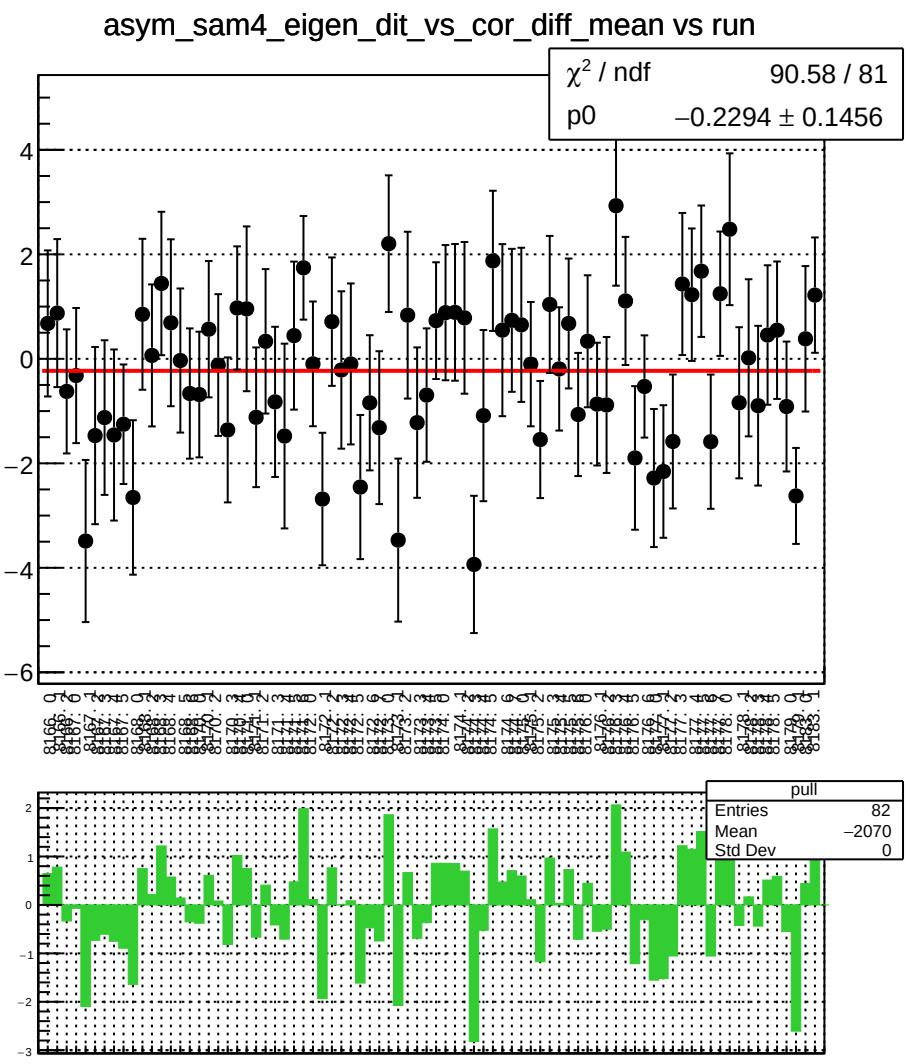

pull1D
Entries 82
Mean −0.001034
Std Dev 1.051

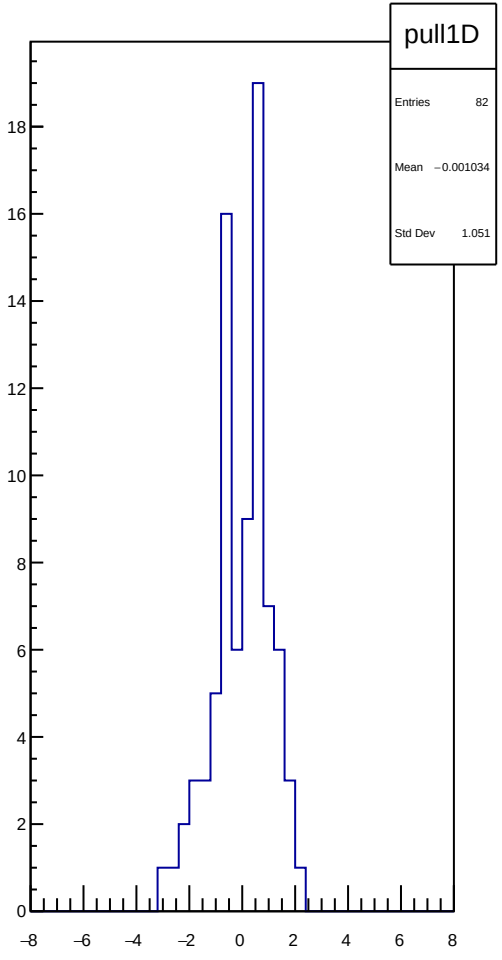

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.298e+04 / 81
p0 129 ± 0.103
170
160
150
140
130
120
110
100

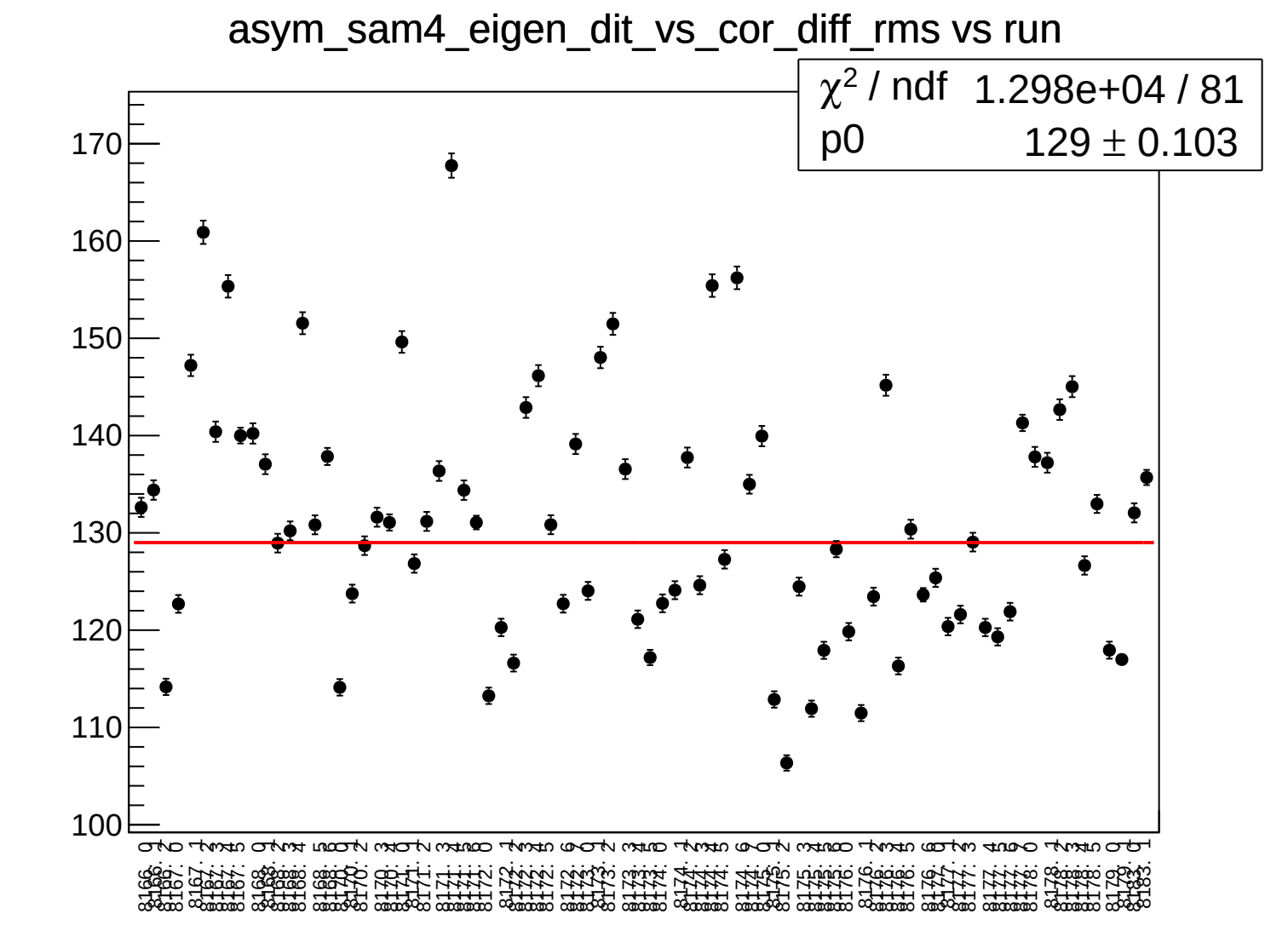

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.27 / 81
p0 1.008e−05 ± 7.504e−06
pull
Entries 82
Mean −123.6
Std Dev 0

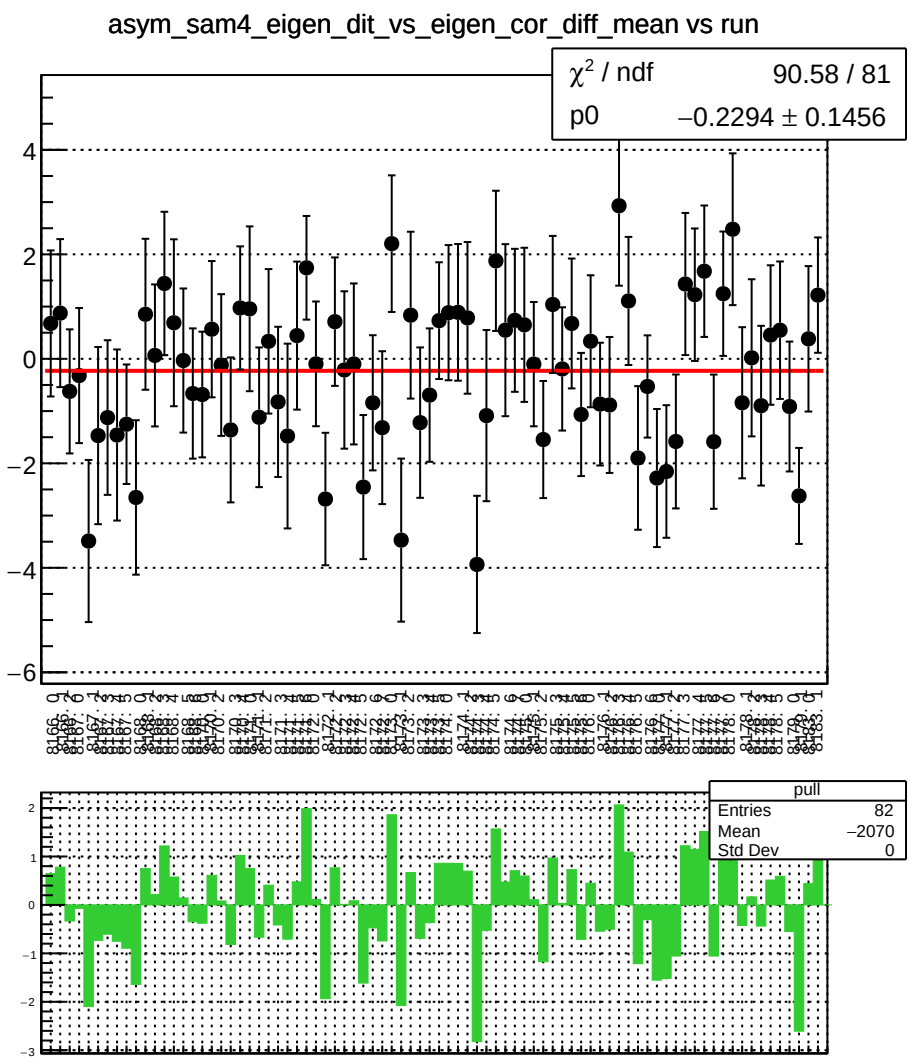

pull1D
Entries 82
Mean −0.01353
Std Dev 0.9831

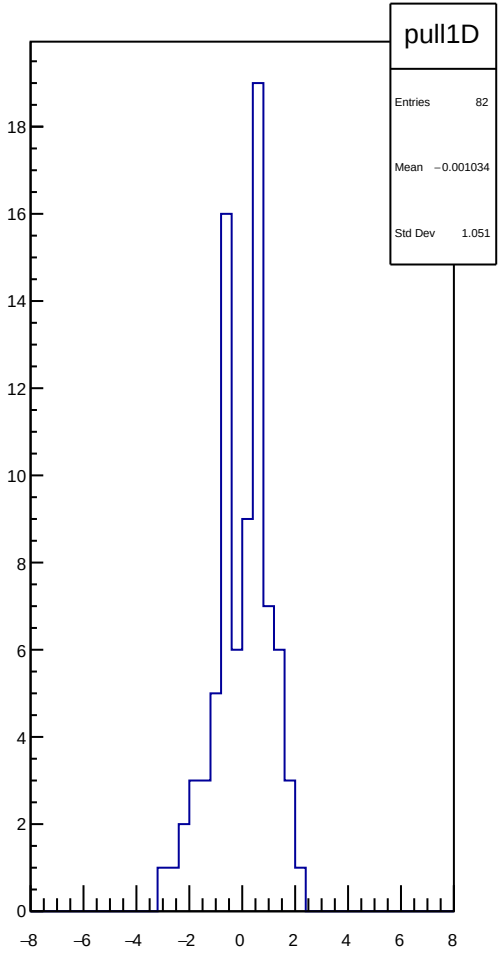

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1809 / 81
p0 0.006672 ± 5.306e−06
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062

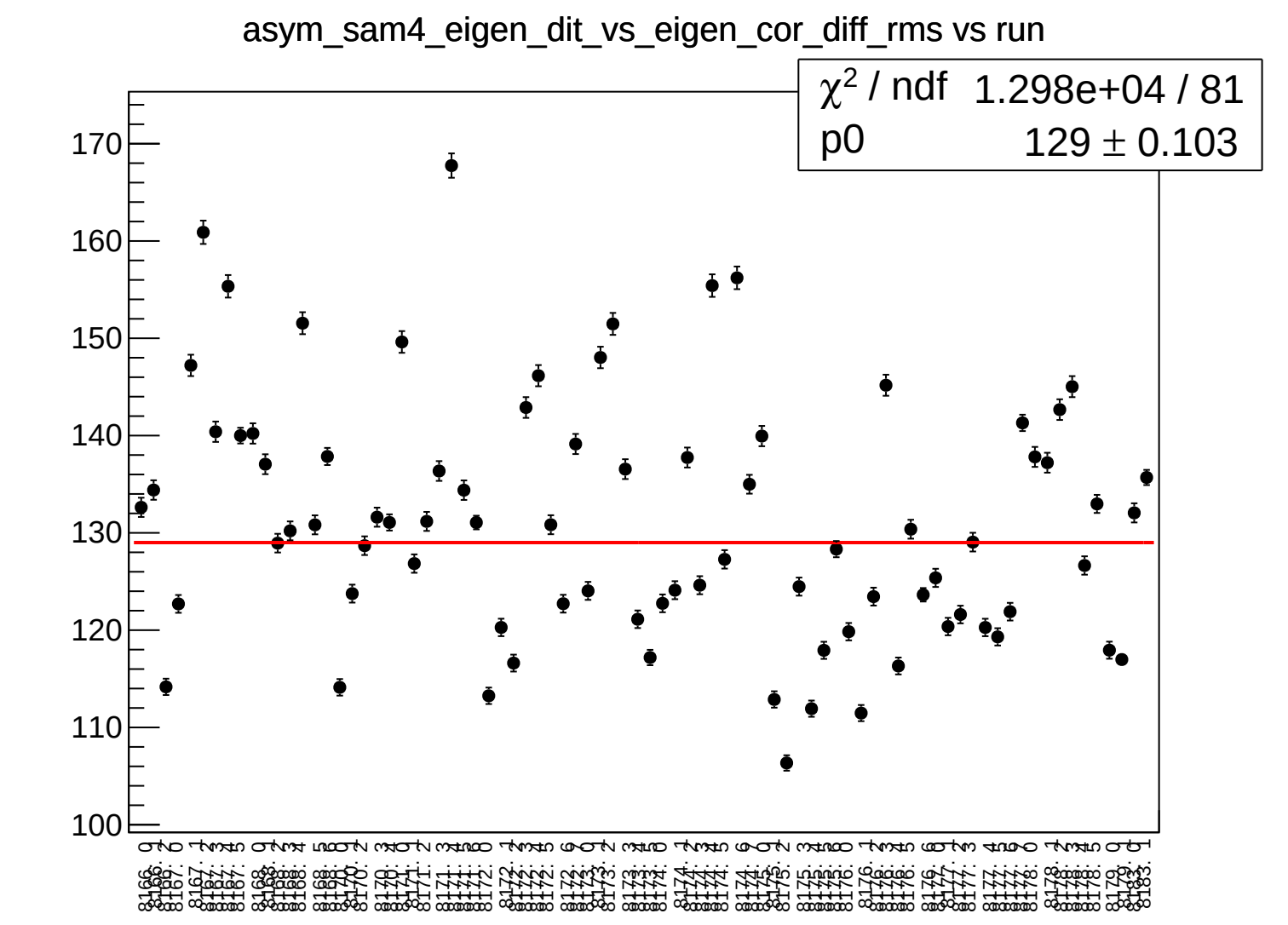

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.58 / 81
p0 −0.2294 ± 0.1456
pull
Entries 82
Mean −2070
Std Dev 0

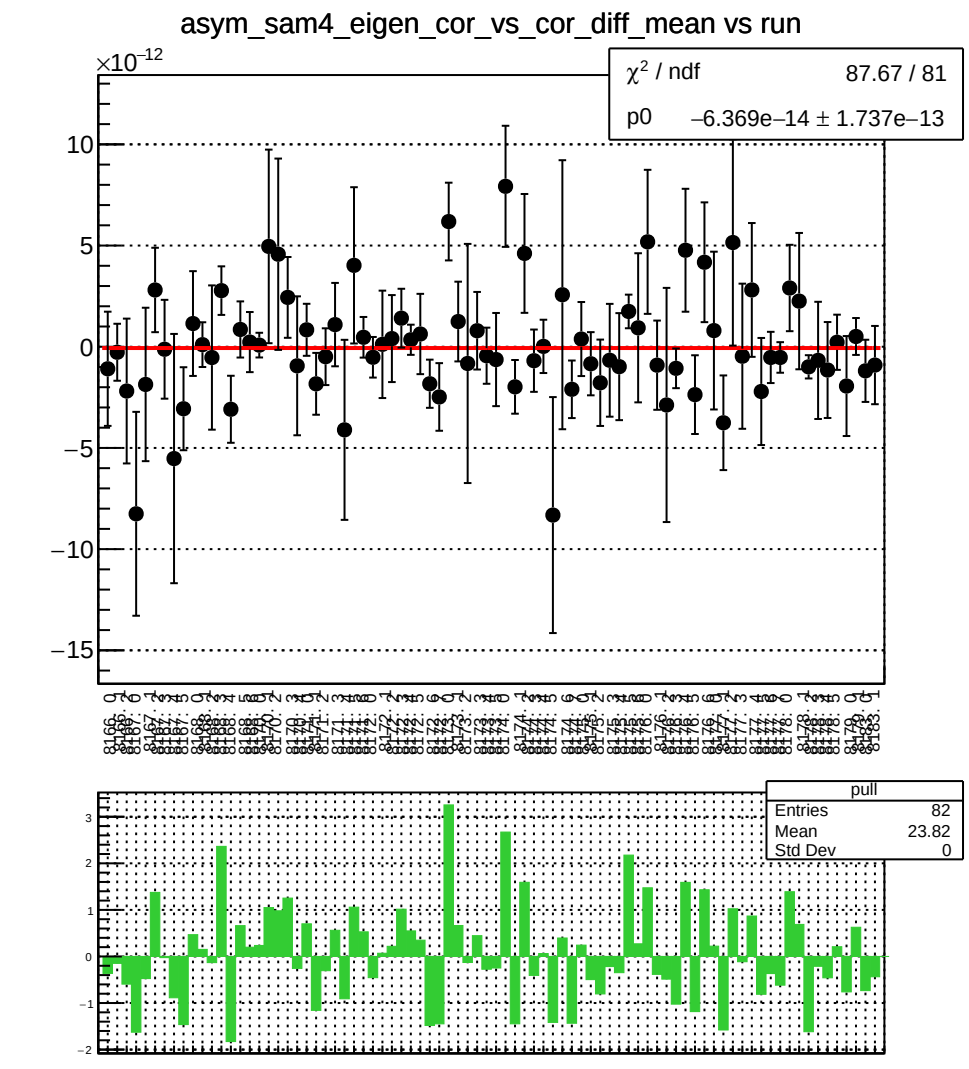

pull1D
Entries 82
Mean −0.001034
Std Dev 1.051

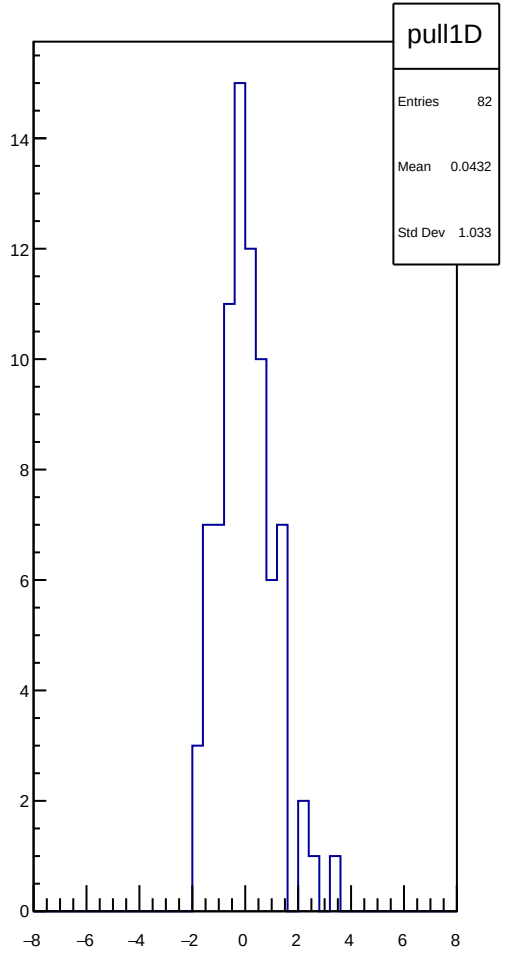

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.298e+04 / 81
p0 129 ± 0.103
170
160
150
140
130
120
110
100

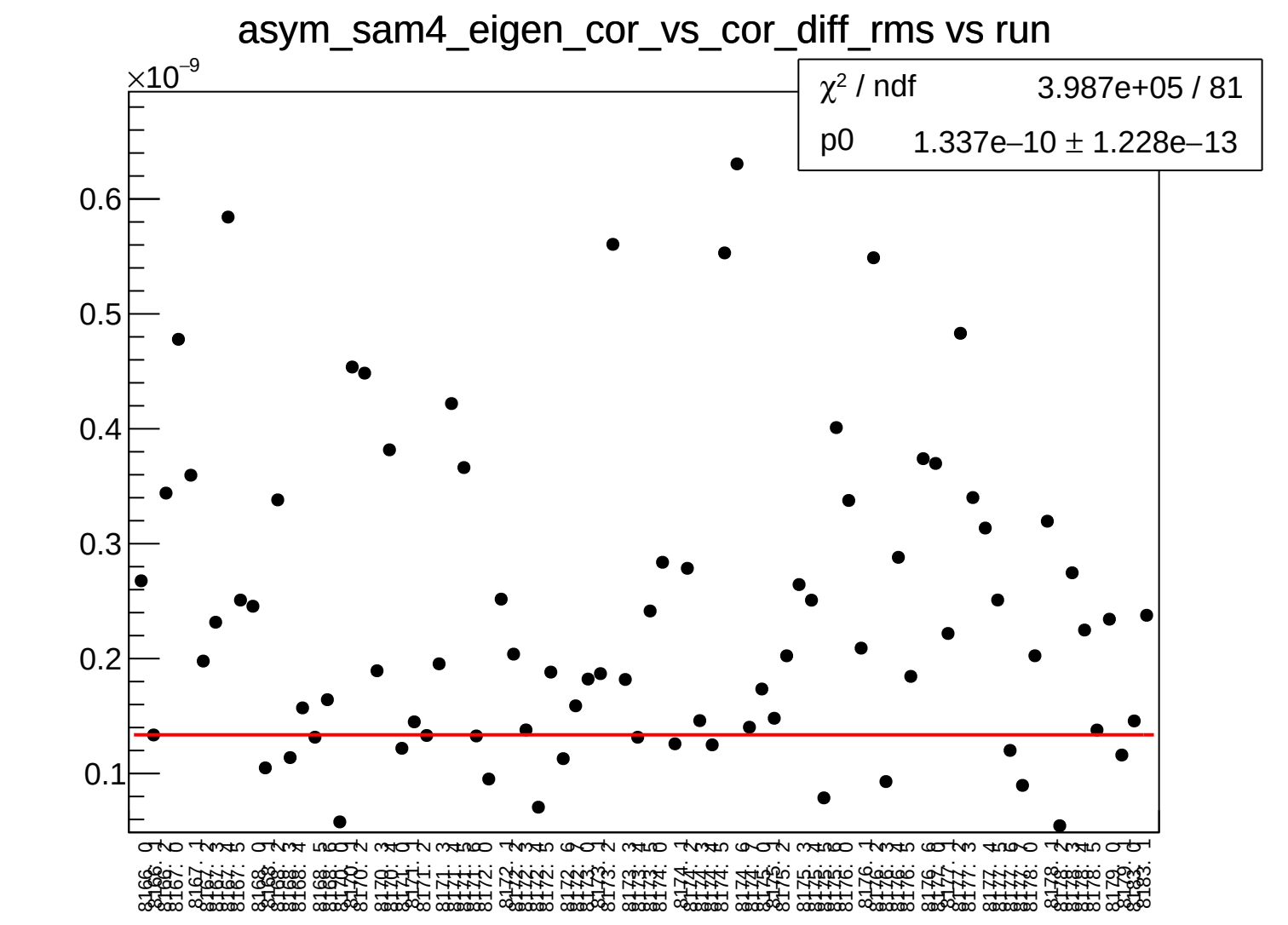

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.58 / 81
p0 −0.2294 ± 0.1456
pull
Entries 82
Mean −2070
Std Dev 0

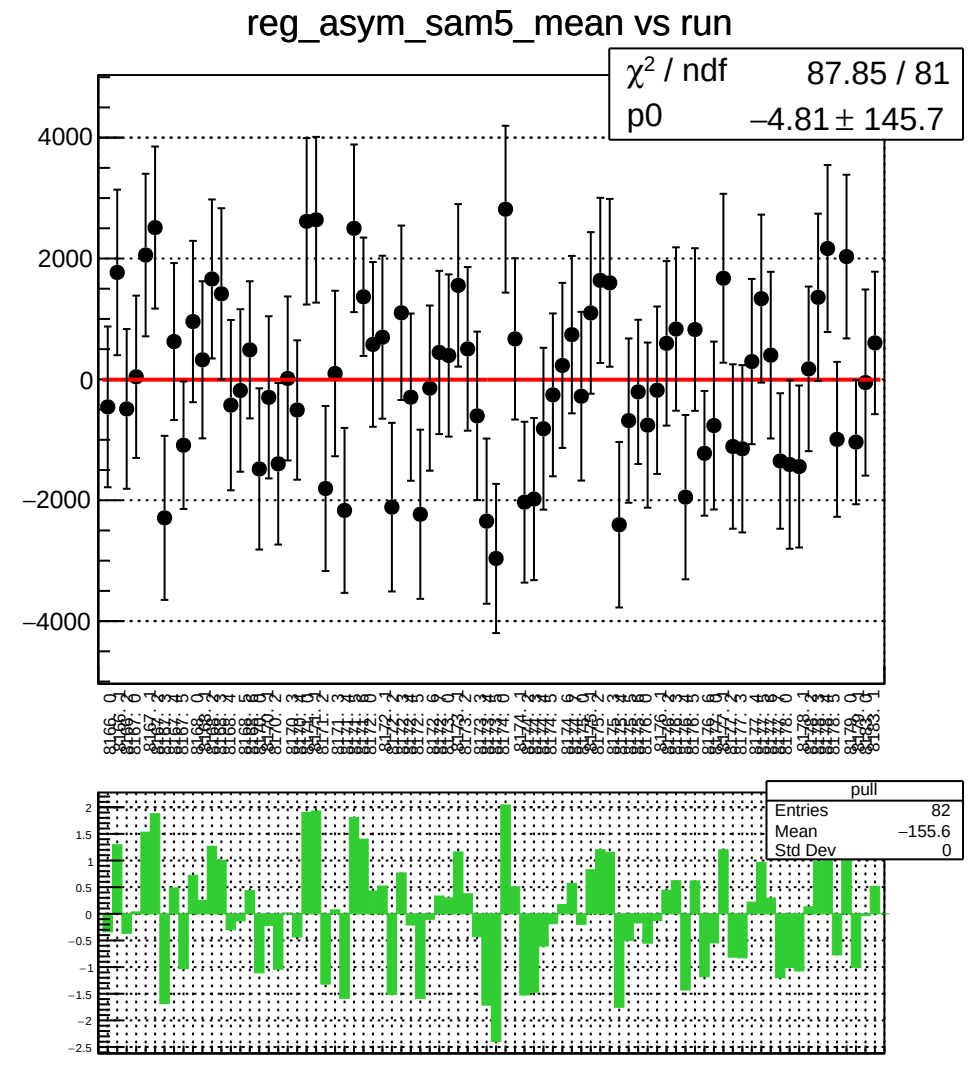

pull1D
Entries 82
Mean −0.001034
Std Dev 1.051

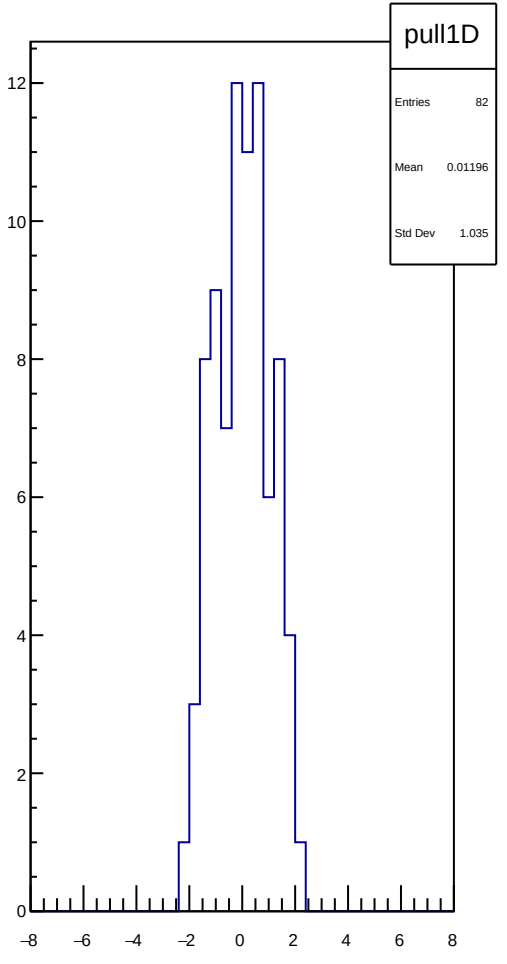

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.298e+04 / 81
p0 129 ± 0.103
170
160
150
140
130
120
110
100

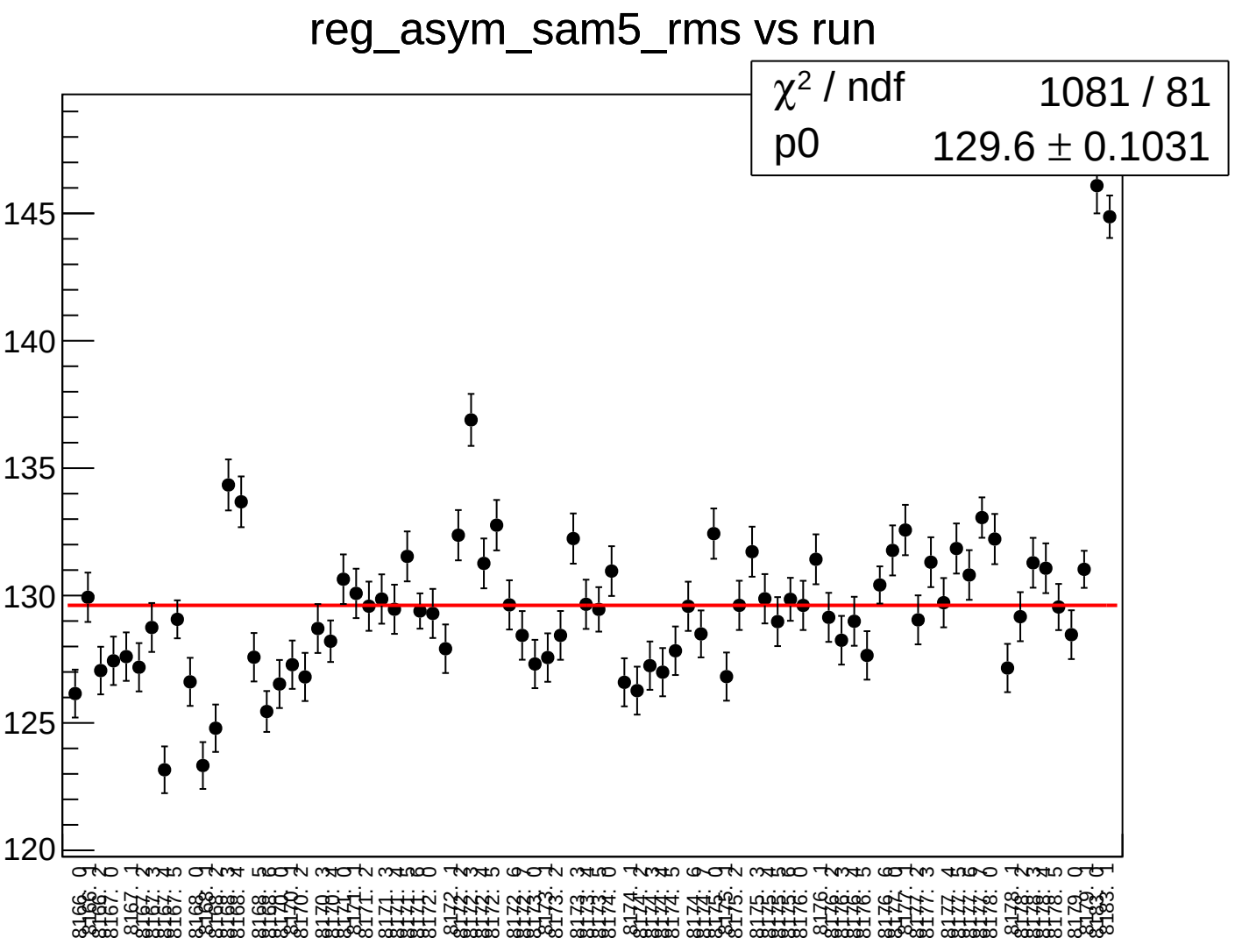

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.67 / 81
p0 −6.369e−14 ± 1.737e−13
10
5
0
−5
−10
−15
pull
Entries 82
Mean 23.82
Std Dev 0
3
2
1
0
−1
−2

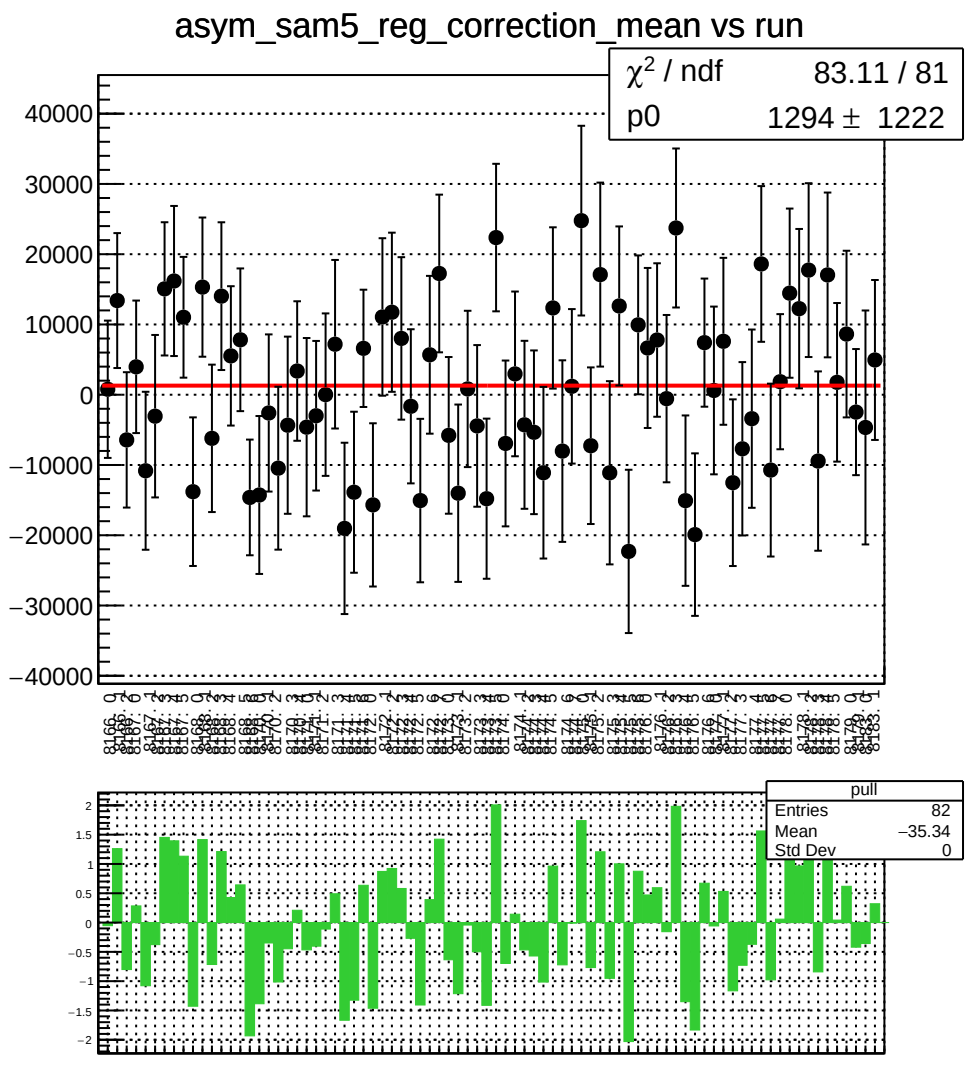

pull1D
Entries 82
Mean 0.0432
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

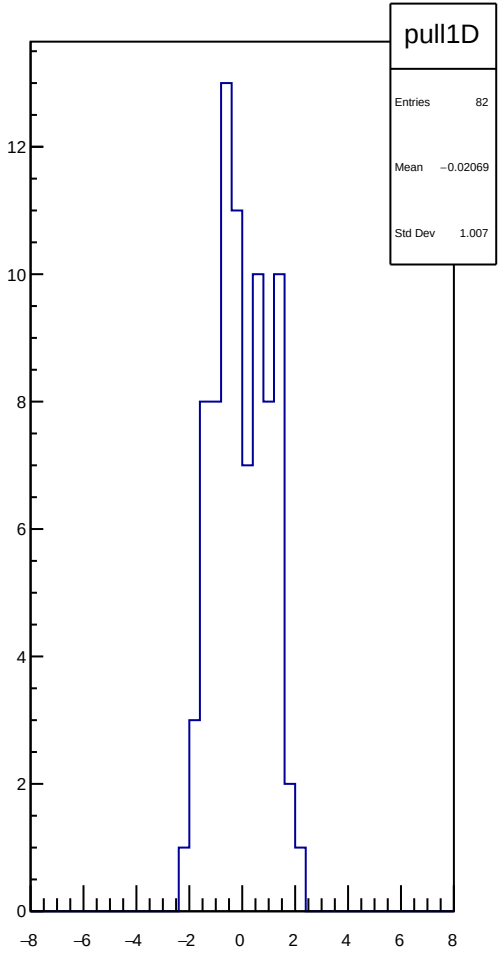

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.987e+05 / 81
p0 1.337e−10 ± 1.228e−13
0.6
0.5
0.4
0.3
0.2
0.1


reg_asym_sam5_mean vs run
χ² / ndf 87.85 / 81
p0 −4.81 ± 145.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −155.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

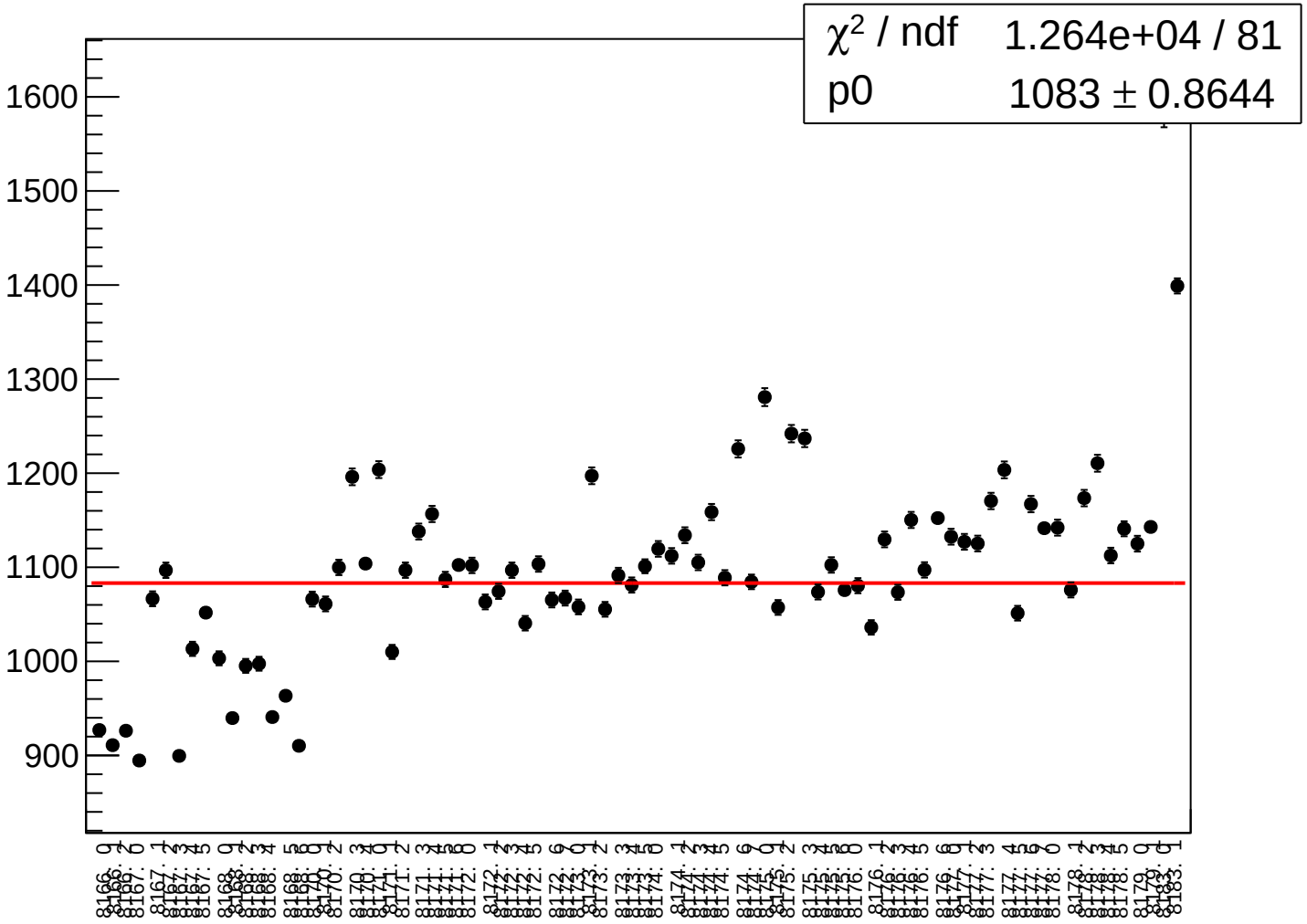

pull1D
Entries 82
Mean 0.01196
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

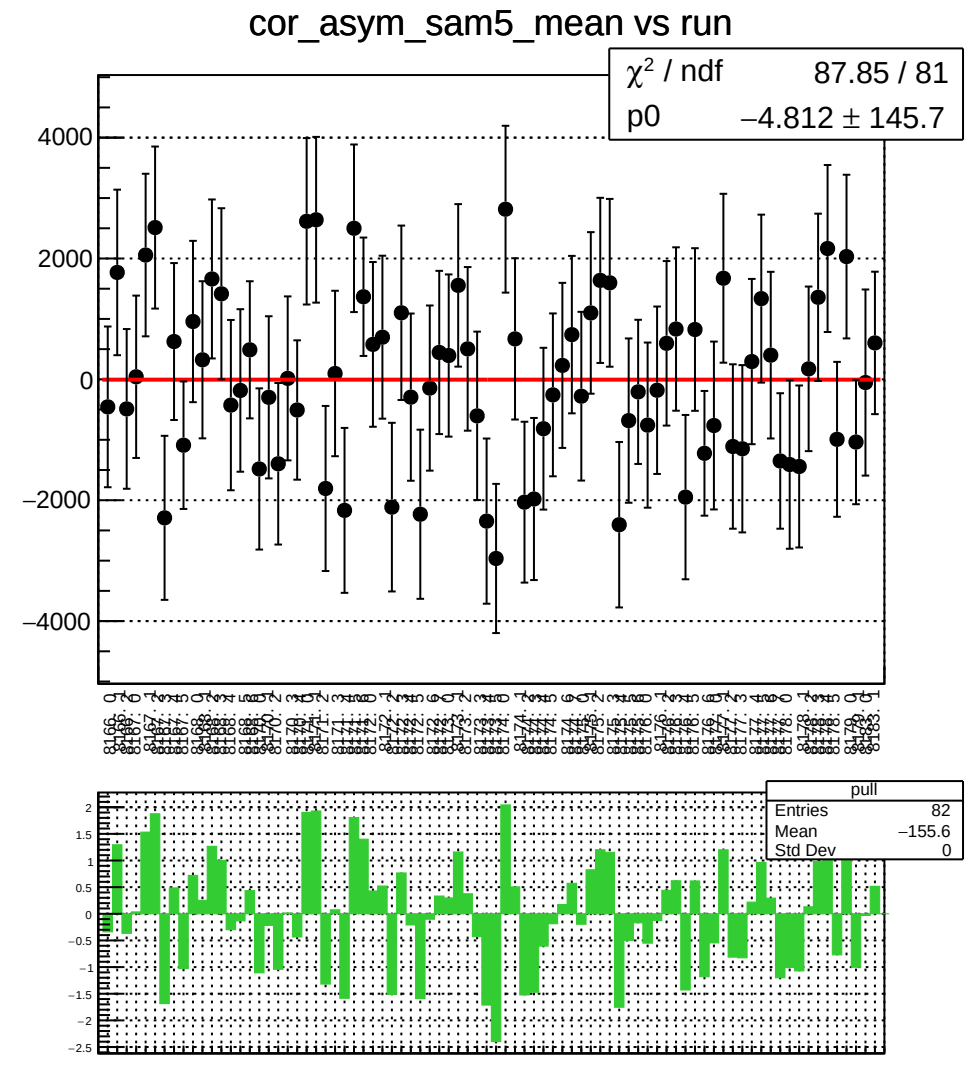

reg_asym_sam5_rms vs run
χ² / ndf 1081 / 81
p0 129.6 ± 0.1031
145
140
135
130
125
120

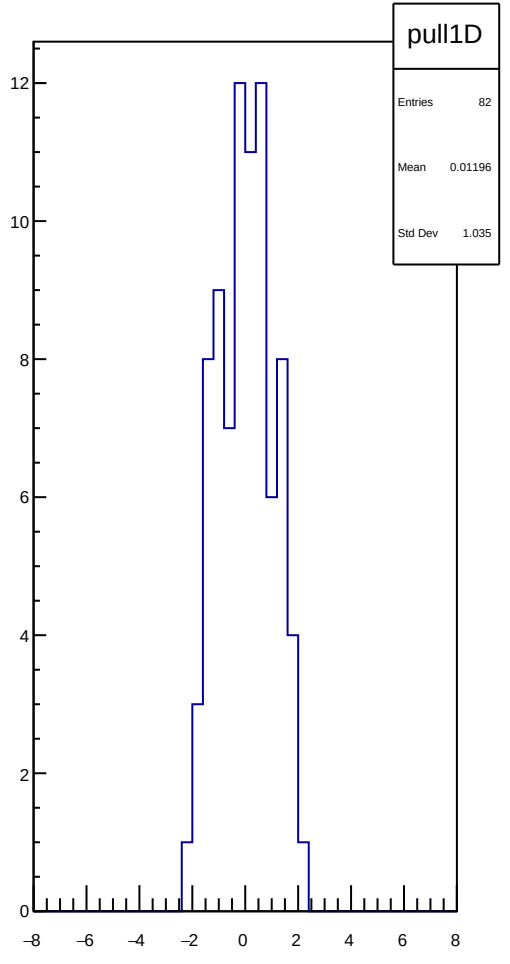

asym_sam5_reg_correction_mean vs run
χ² / ndf 83.11 / 81
p0 1294 ± 1222
pull
Entries 82
Mean −35.34
Std Dev 0

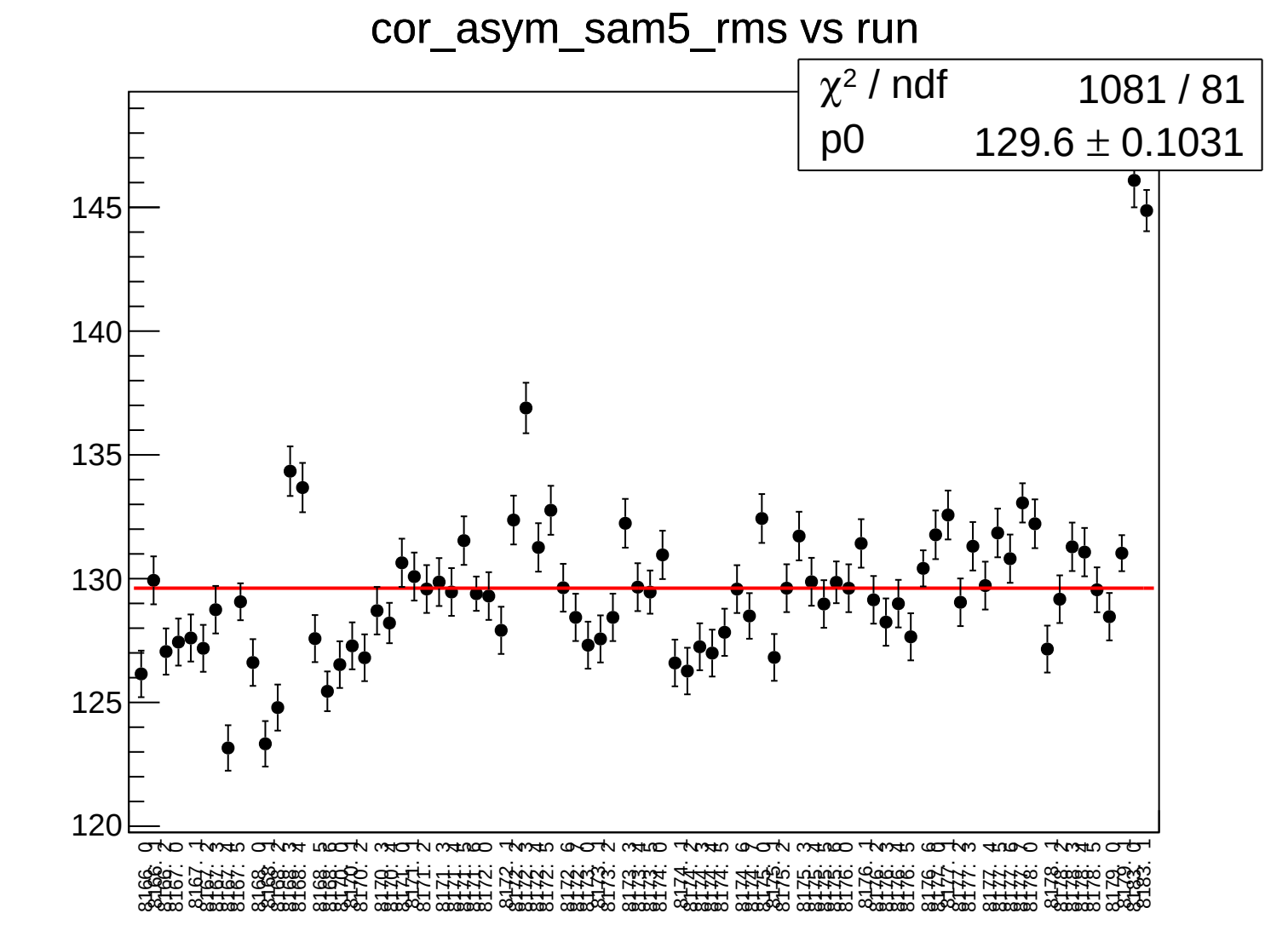

pull1D
Entries 82
Mean −0.02069
Std Dev 1.007

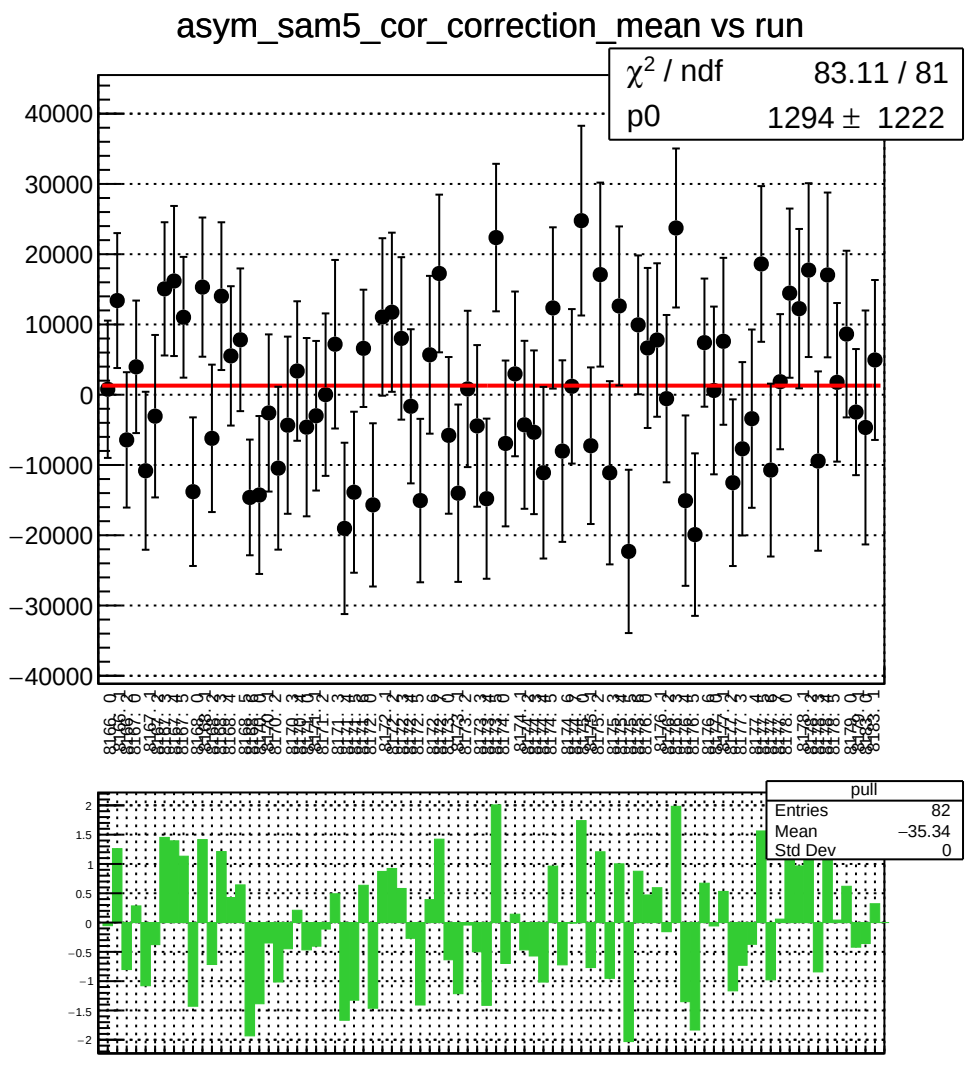
asym_sam5_reg_correction_rms vs run

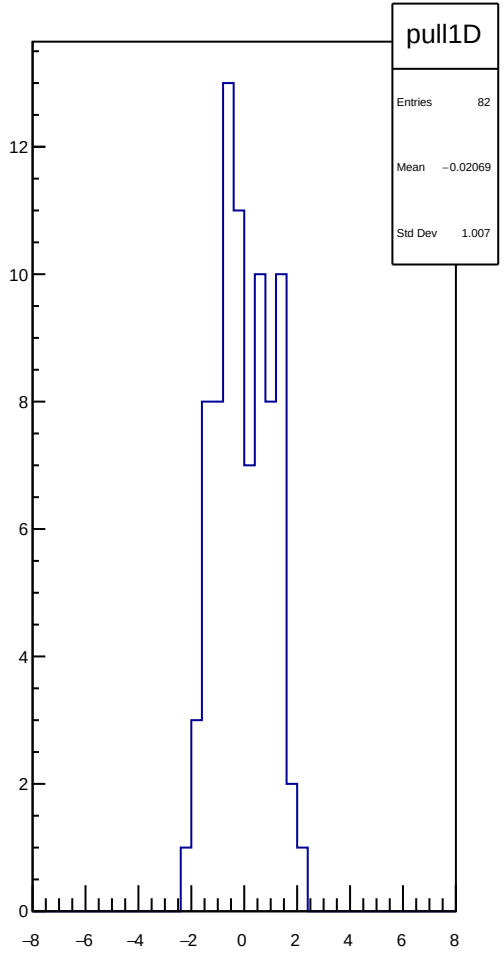



cor_asym_sam5_mean vs run
χ² / ndf 87.85 / 81
p0 −4.812 ± 145.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −155.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

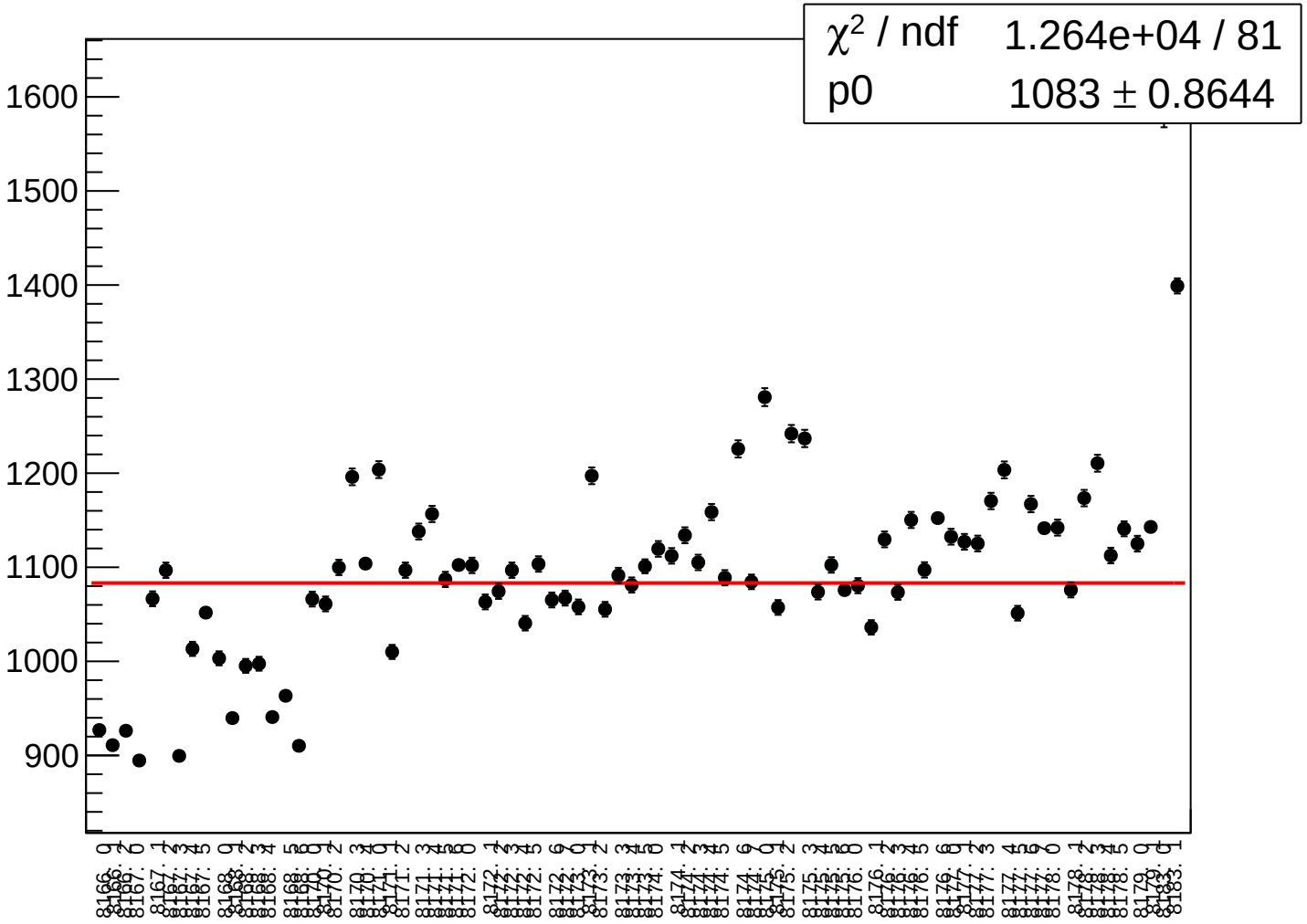

pull1D
Entries 82
Mean 0.01196
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

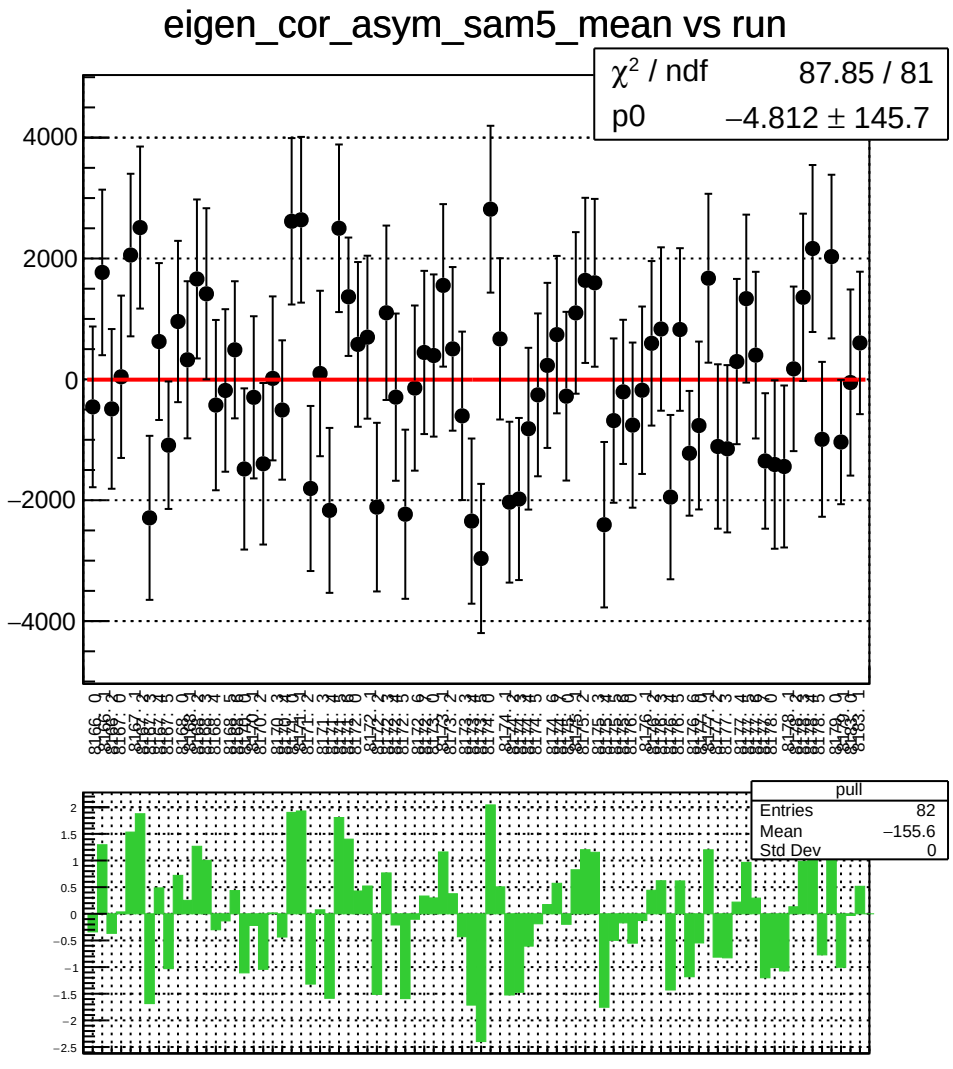

cor_asym_sam5_rms vs run
χ² / ndf 1081 / 81
p0 129.6 ± 0.1031
145
140
135
130
125
120

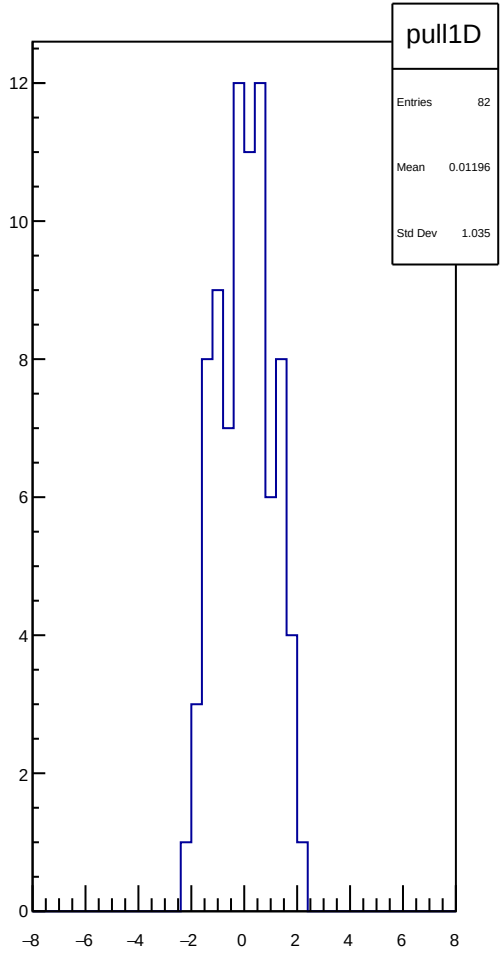

asym_sam5_cor_correction_mean vs run
χ² / ndf 83.11 / 81
p0 1294 ± 1222
pull
Entries 82
Mean −35.34
Std Dev 0

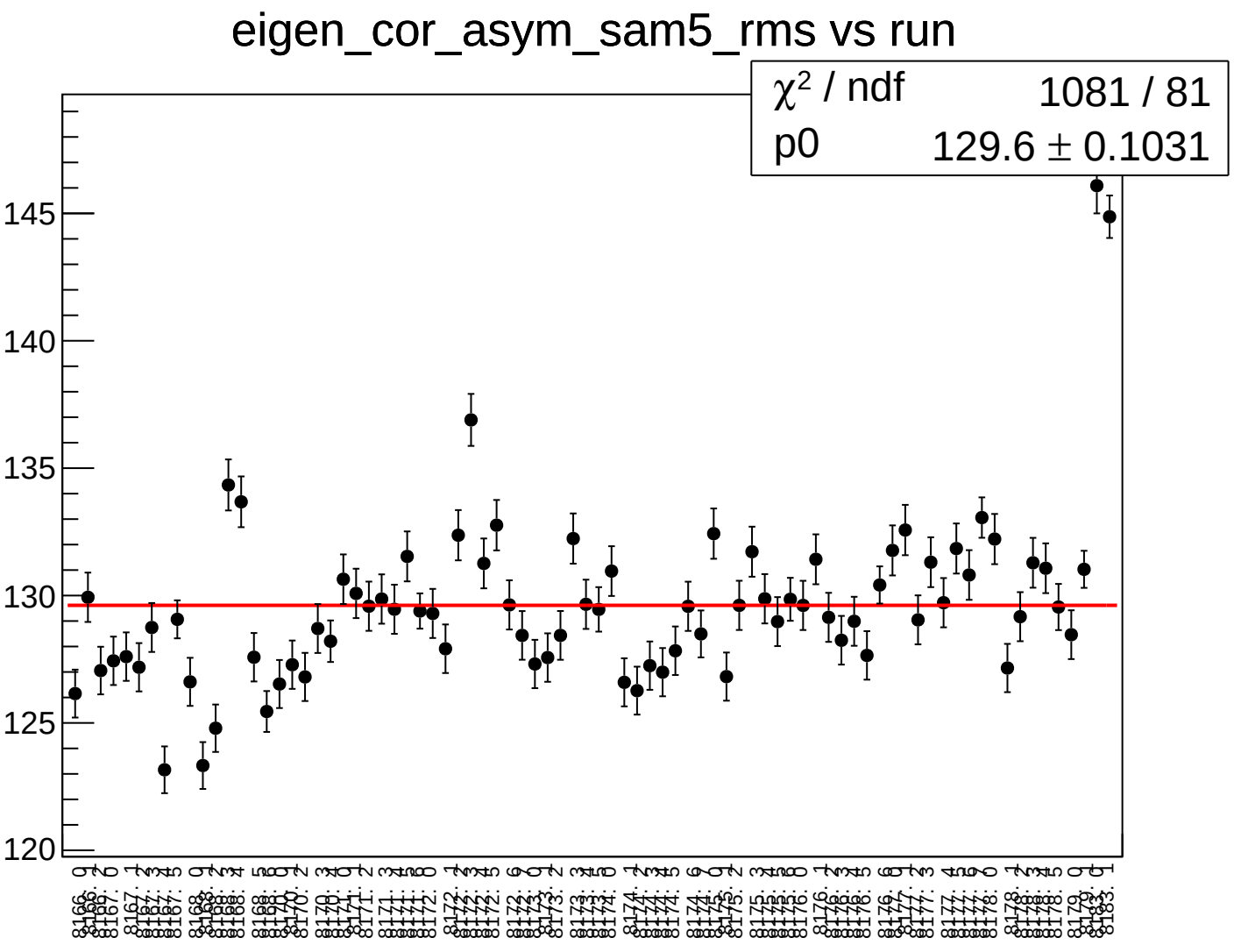

pull1D
Entries 82
Mean −0.02069
Std Dev 1.007

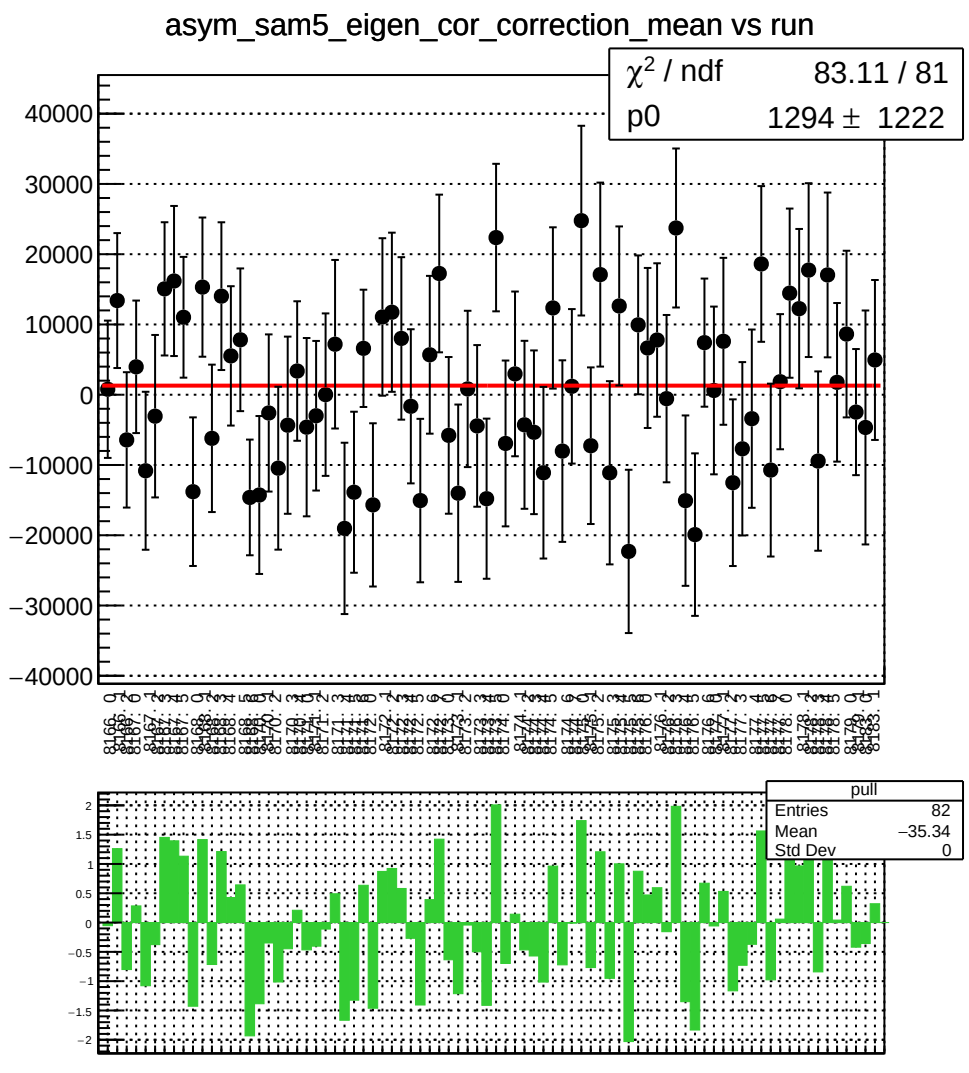
asym_sam5_cor_correction_rms vs run

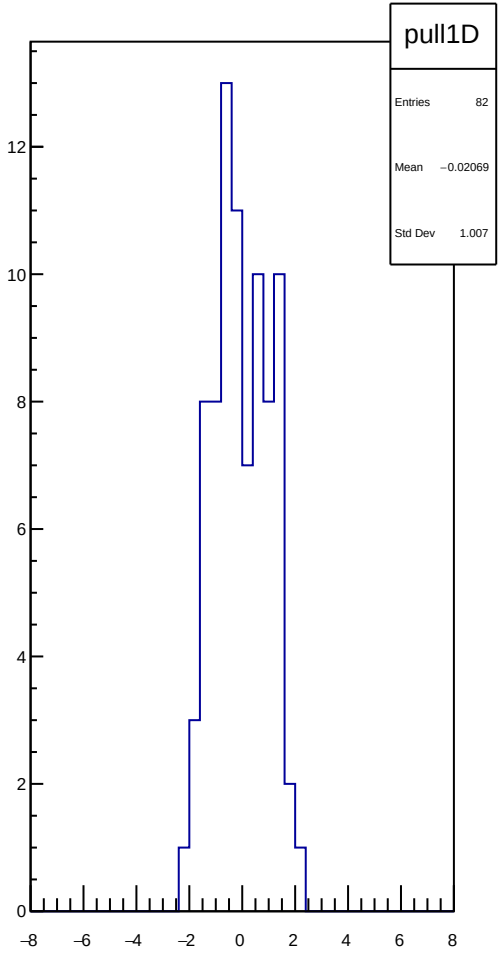


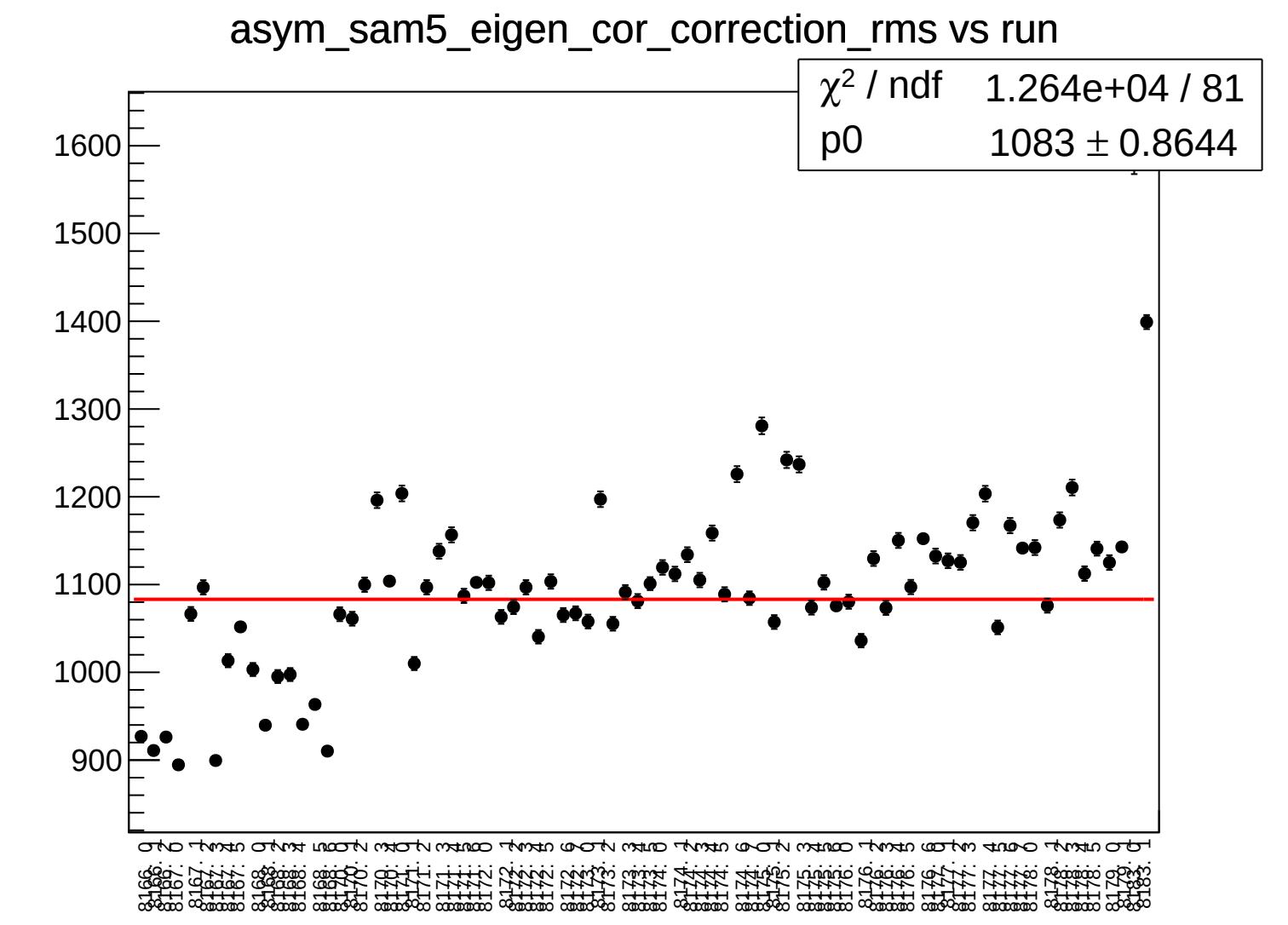

eigen_cor_asym_sam5_mean vs run
χ² / ndf 87.85 / 81
p0 −4.812 ± 145.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −155.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

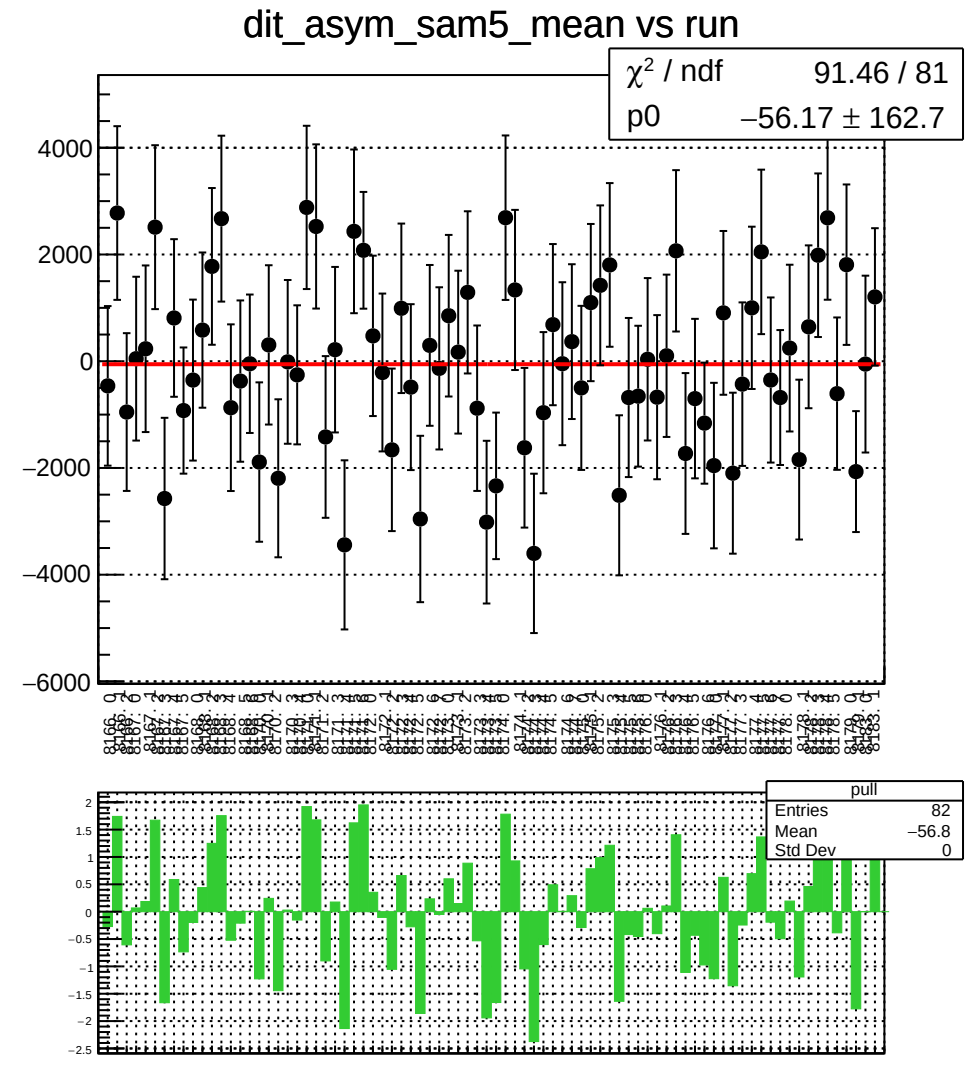

pull1D
Entries 82
Mean 0.01196
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

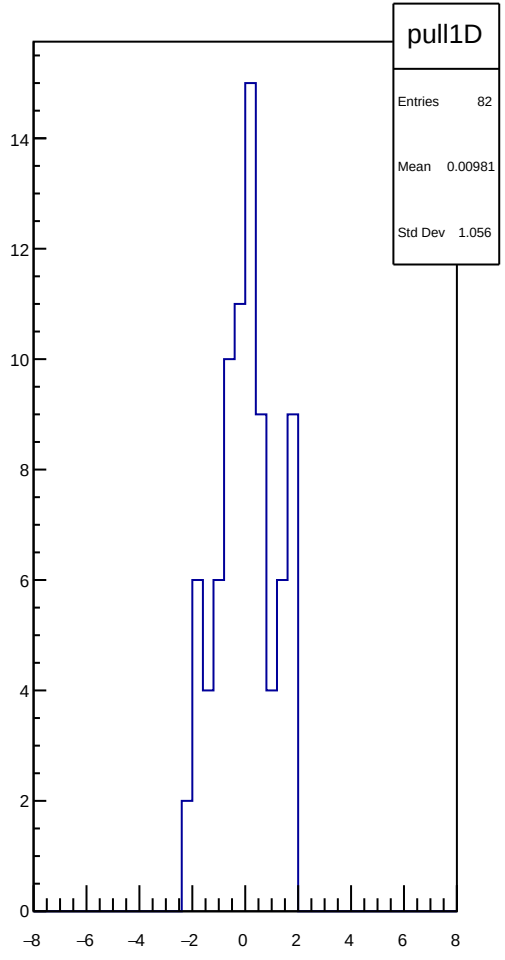

eigen_cor_asym_sam5_rms vs run
χ² / ndf 1081 / 81
p0 129.6 ± 0.1031
145
140
135
130
125
120

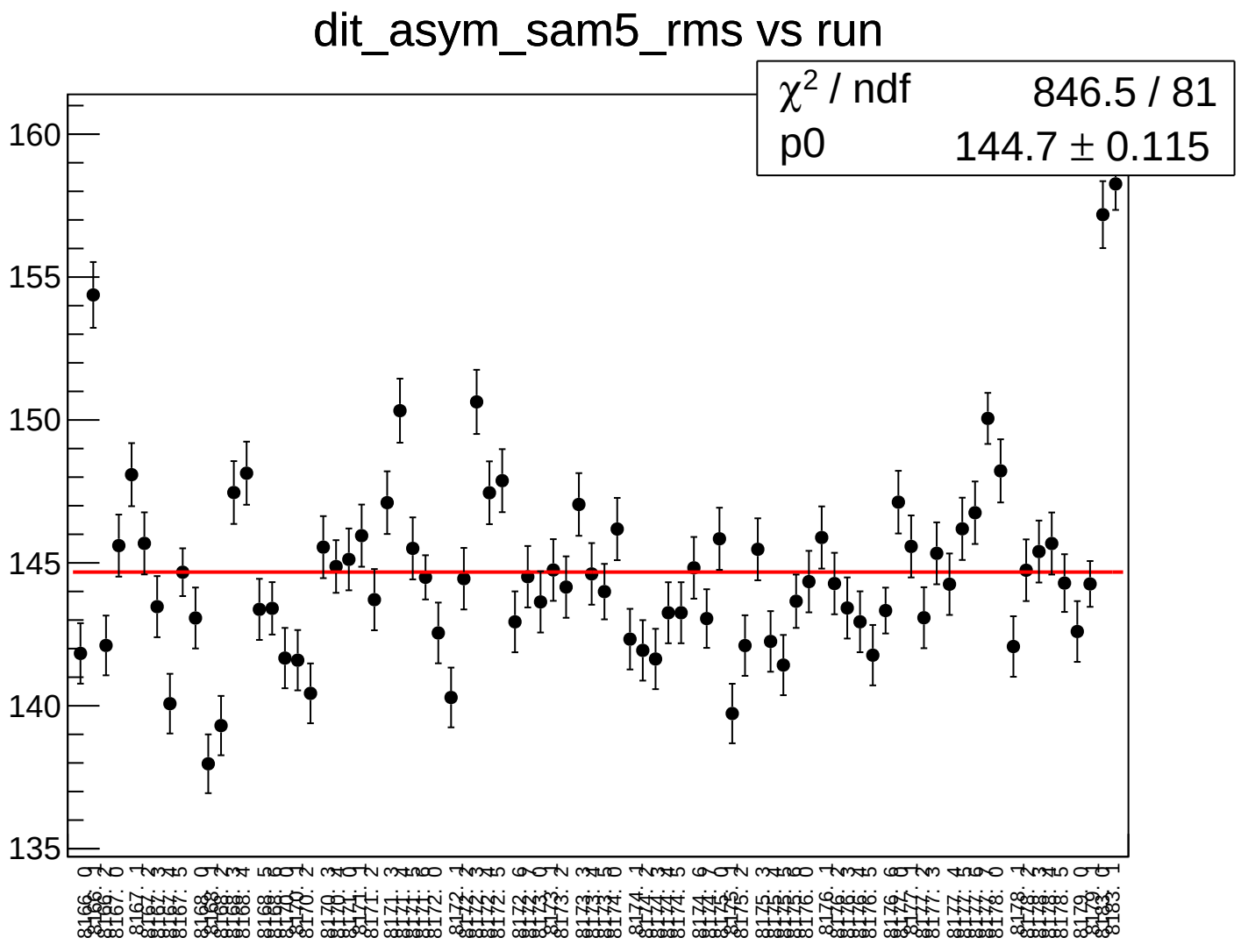

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 83.11 / 81
p0 1294 ± 1222
pull
Entries 82
Mean −35.34
Std Dev 0

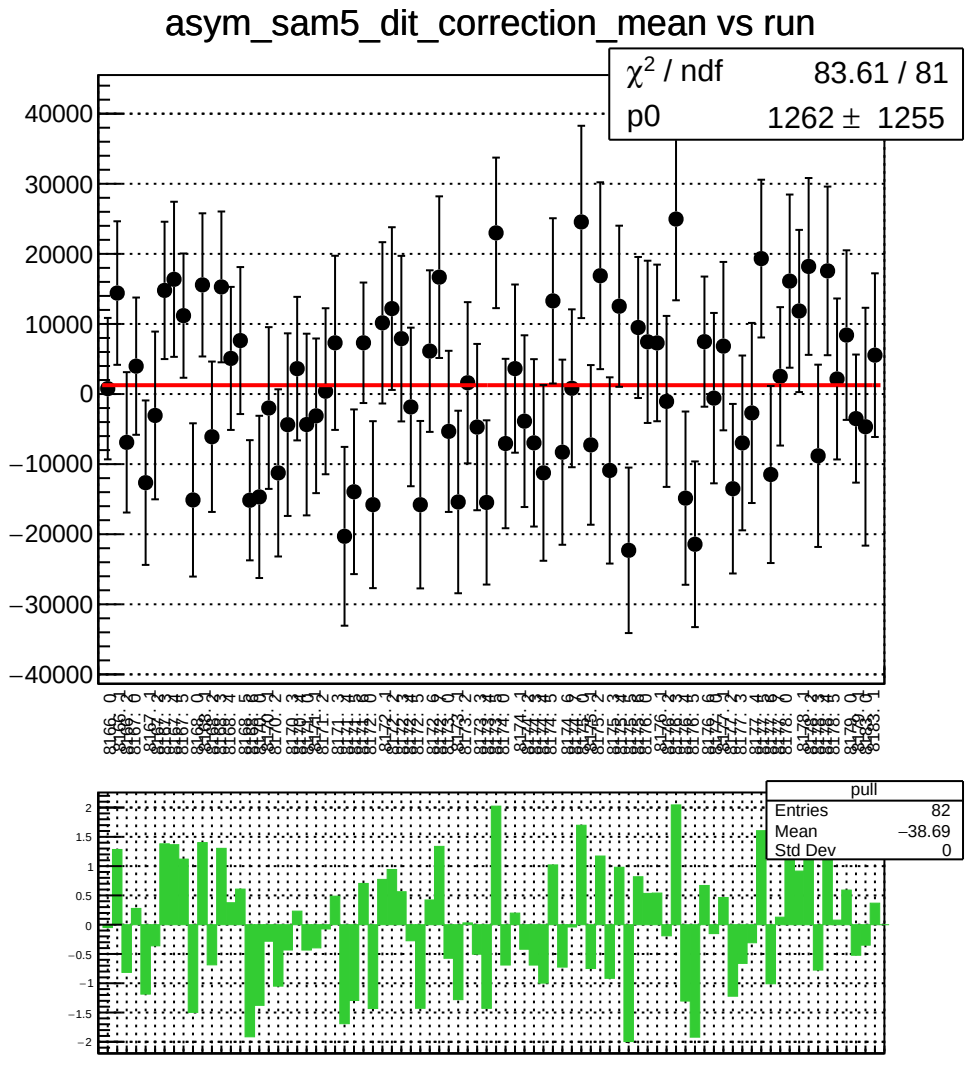

pull1D
Entries 82
Mean −0.02069
Std Dev 1.007

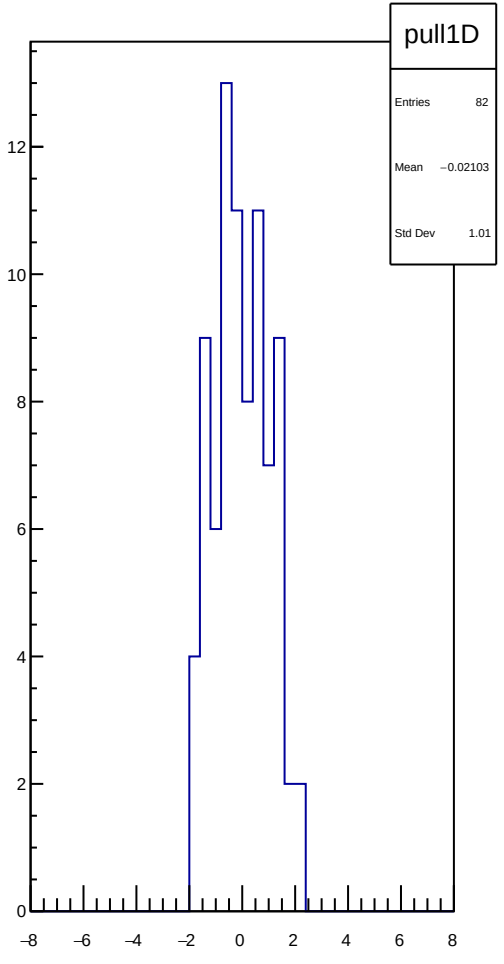

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 1.264e+04 / 81
p0 1083 ± 0.8644
1600
1500
1400
1300
1200
1100
1000
900

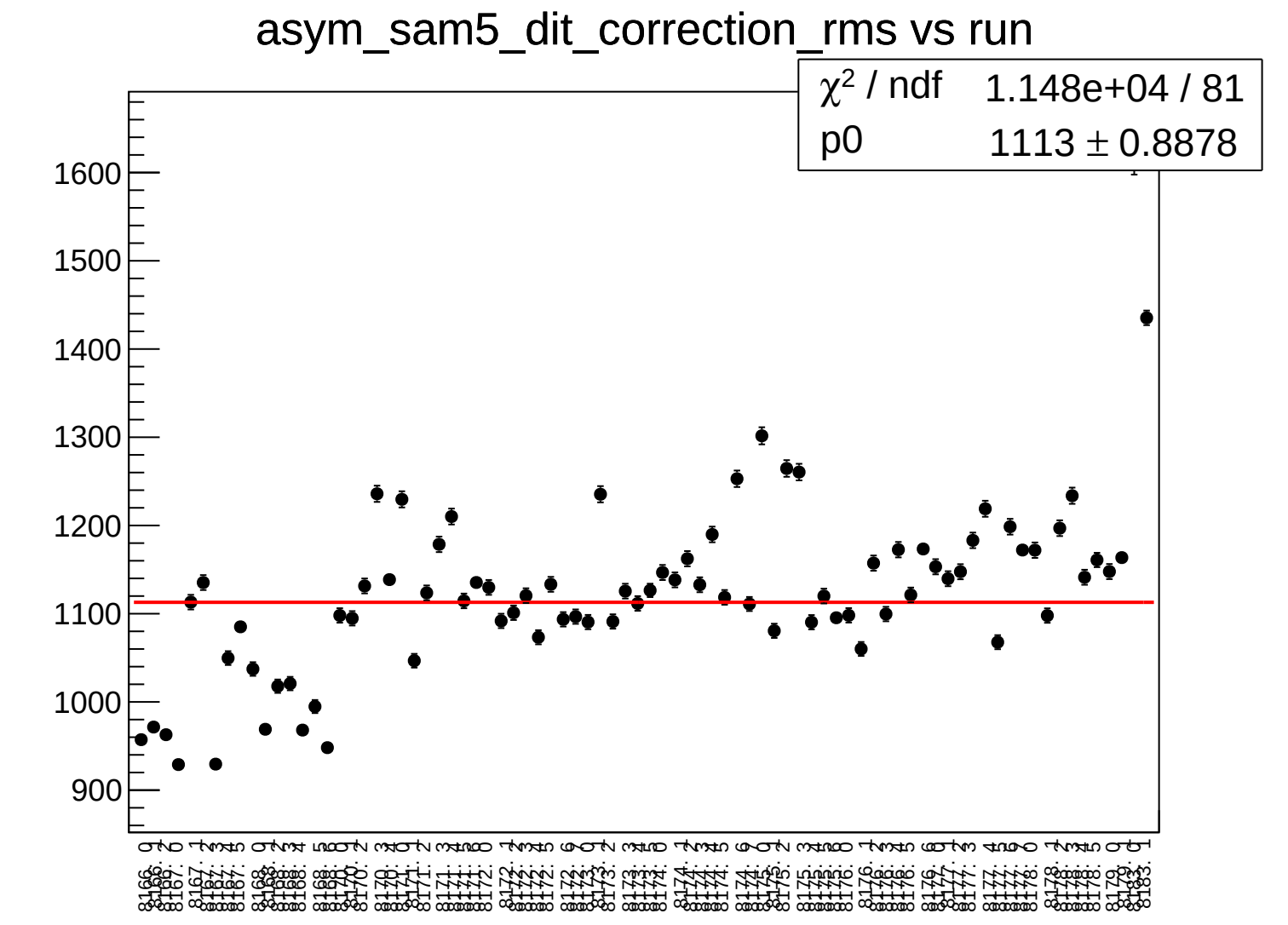

dit_asym_sam5_mean vs run
χ² / ndf 91.46 / 81
p0 −56.17 ± 162.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −56.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

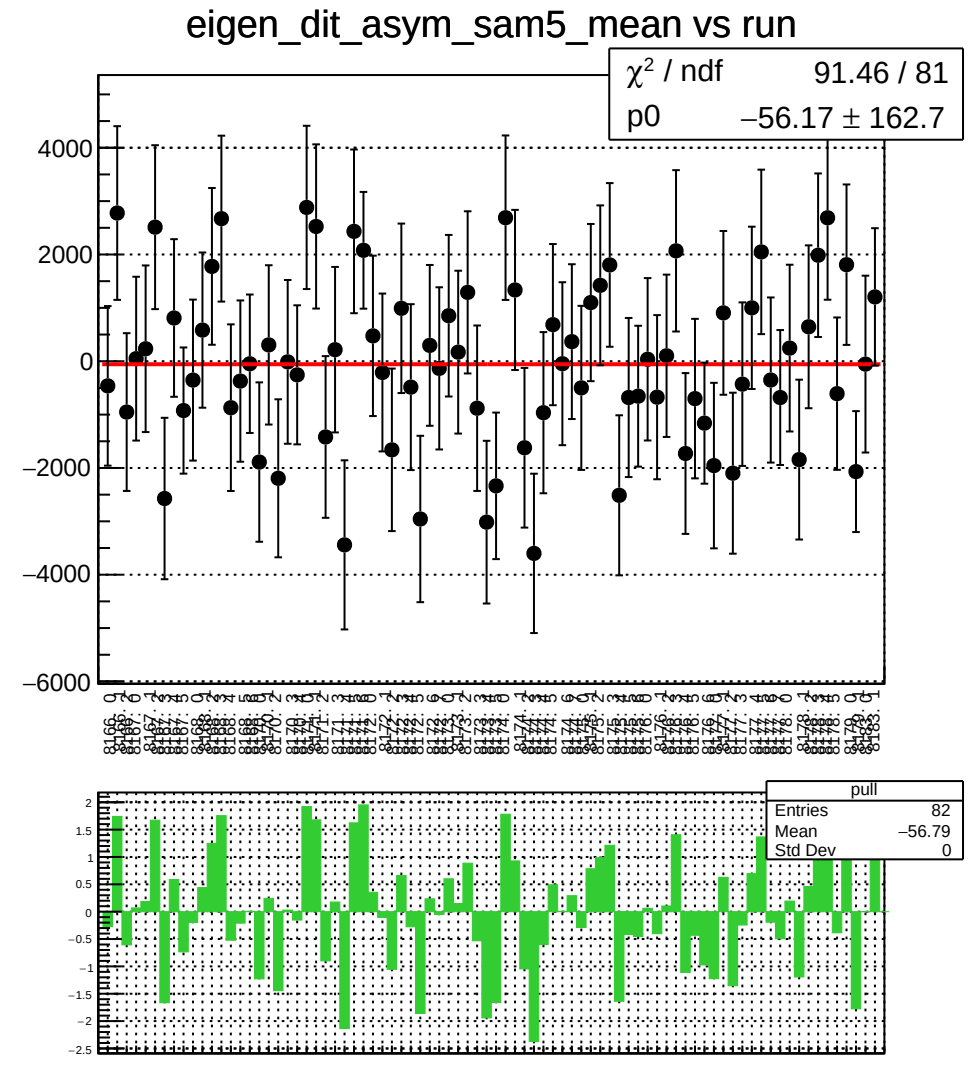

pull1D
Entries 82
Mean 0.00981
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

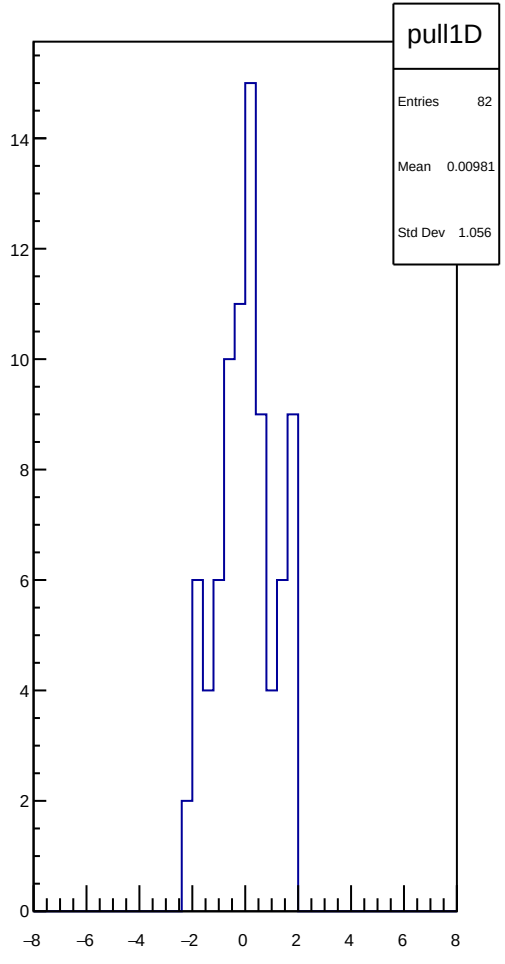

dit_asym_sam5_rms vs run
χ² / ndf 846.5 / 81
p0 144.7 ± 0.115
160
155
150
145
140
135

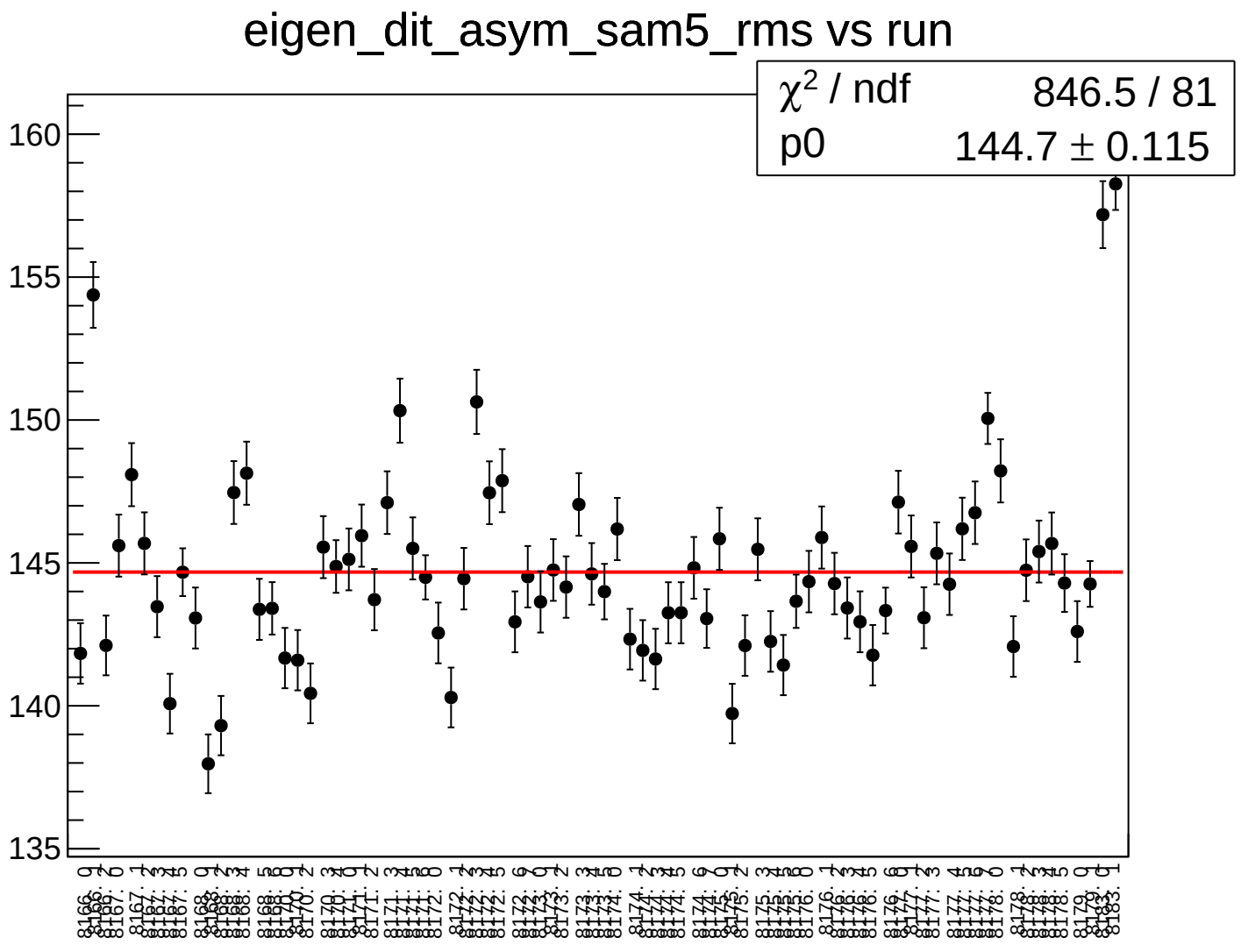

asym_sam5_dit_correction_mean vs run
χ² / ndf 83.61 / 81
p0 1262 ± 1255
pull
Entries 82
Mean −38.69
Std Dev 0

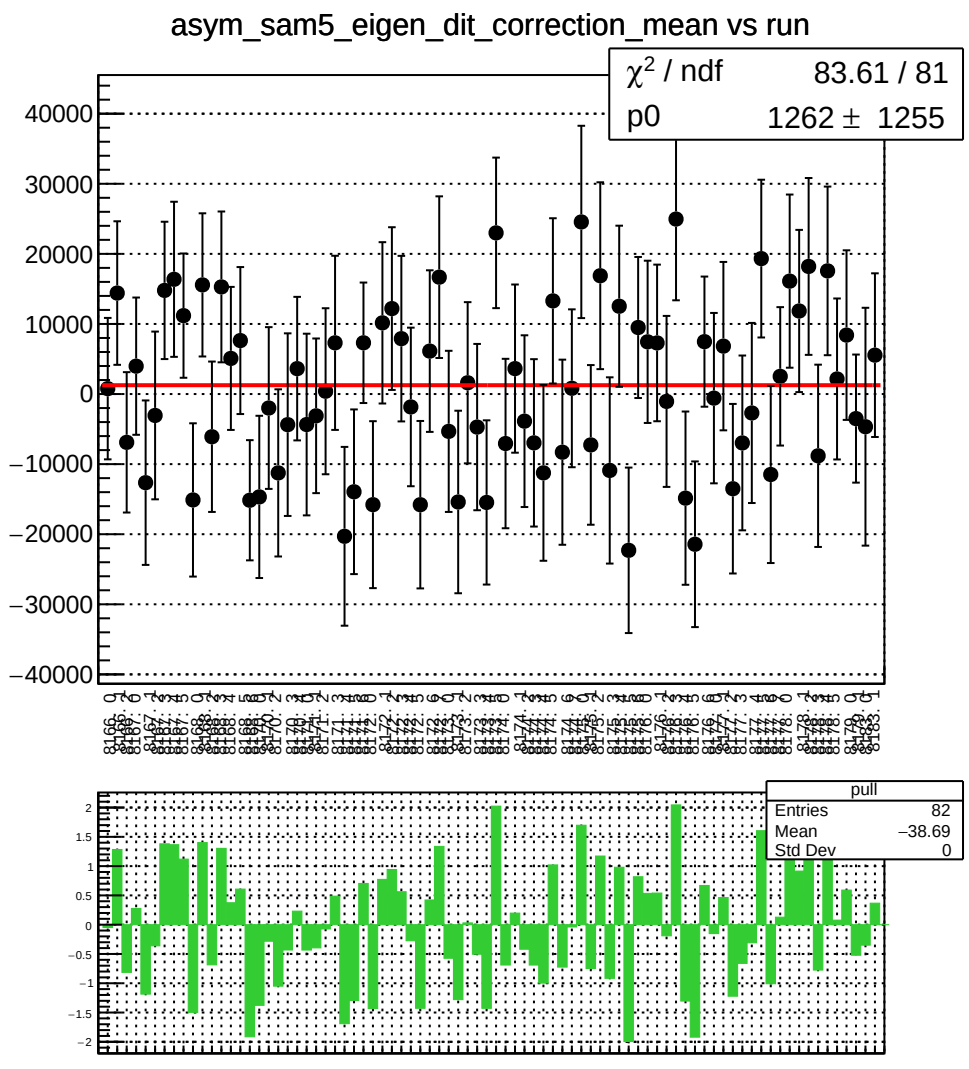

pull1D
Entries 82
Mean −0.02103
Std Dev 1.01

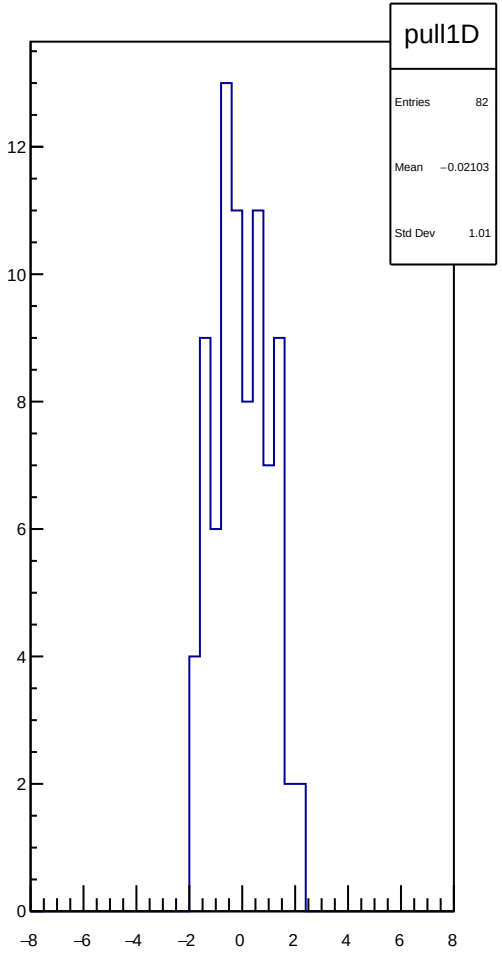

asym_sam5_dit_correction_rms vs run
χ² / ndf 1.148e+04 / 81
p0 1113 ± 0.8878
1600
1500
1400
1300
1200
1100
1000
900

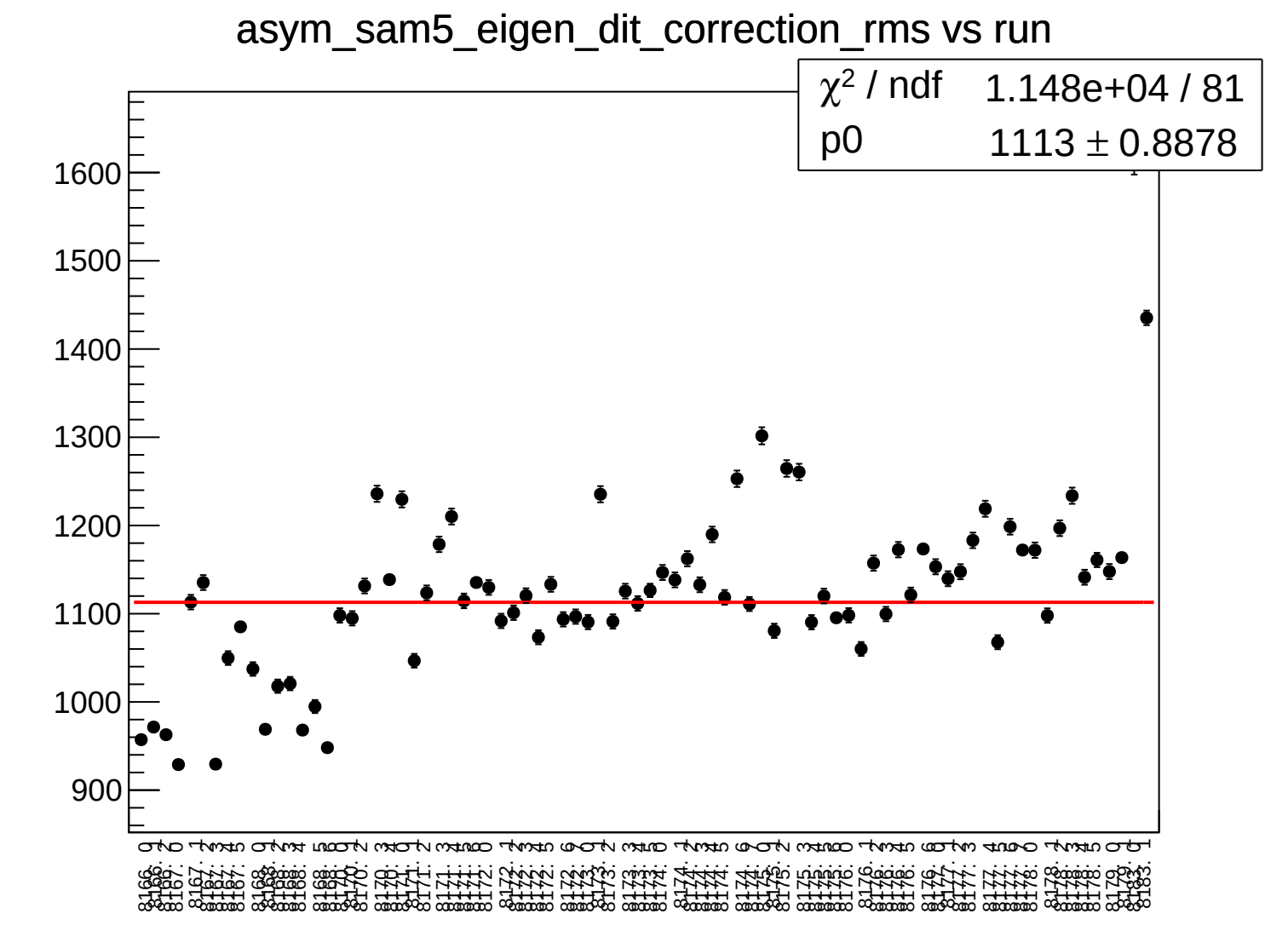

eigen_dit_asym_sam5_mean vs run
χ² / ndf 91.46 / 81
p0 −56.17 ± 162.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −56.79
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

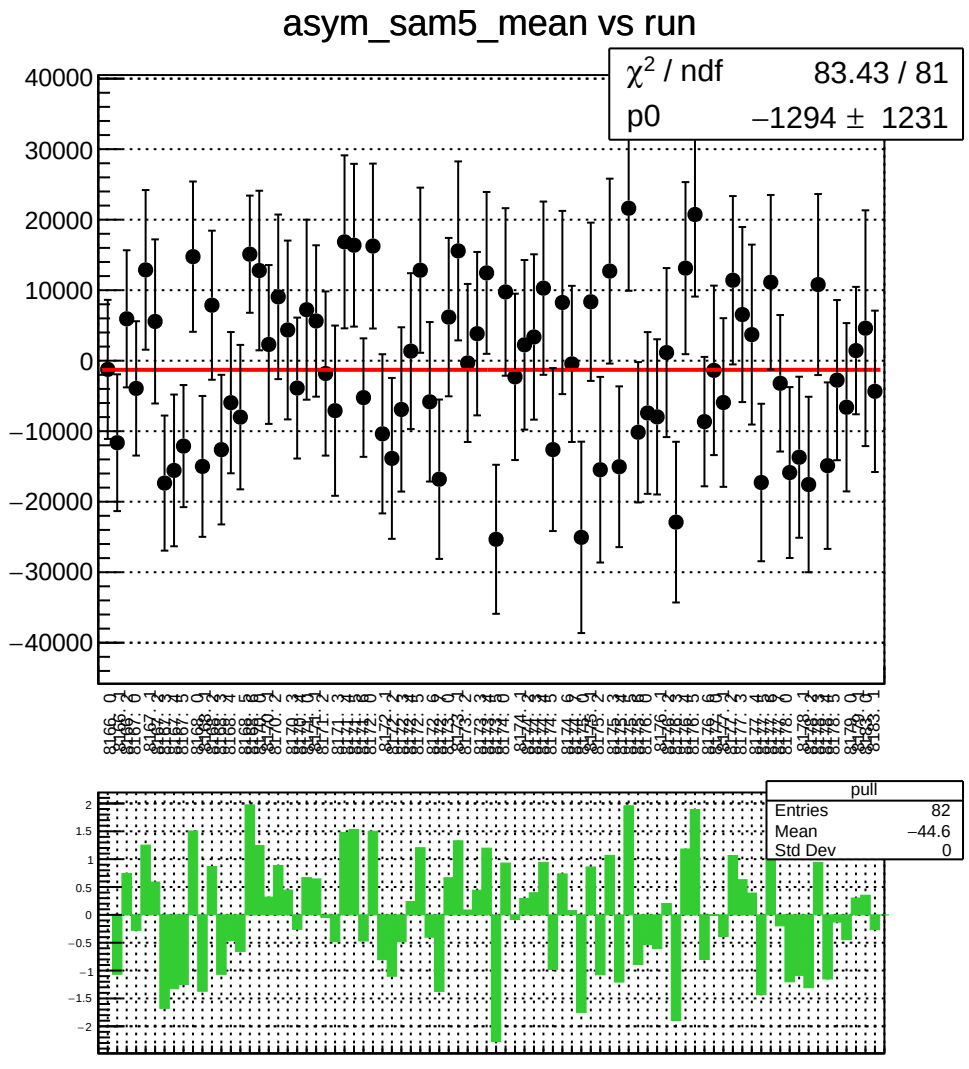

pull1D
Entries 82
Mean 0.00981
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

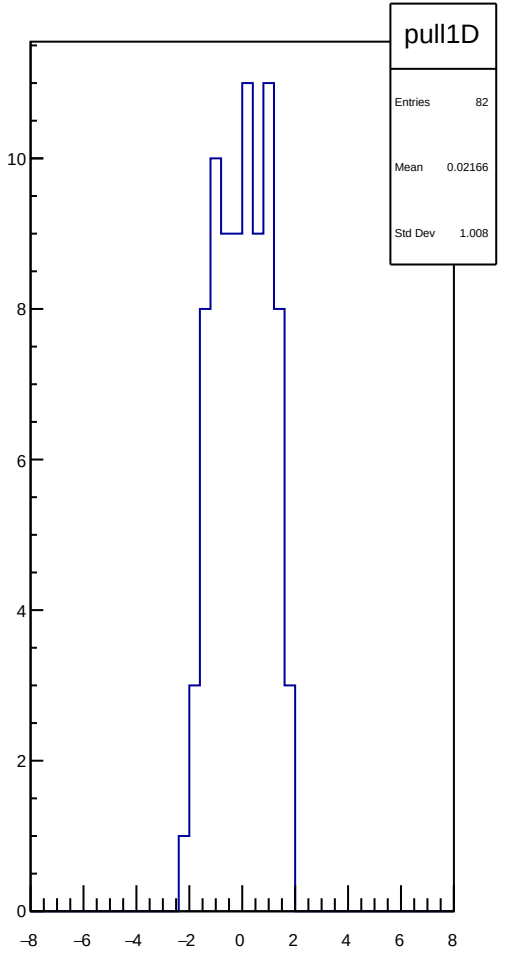

eigen_dit_asym_sam5_rms vs run
χ² / ndf 846.5 / 81
p0 144.7 ± 0.115
160
155
150
145
140
135

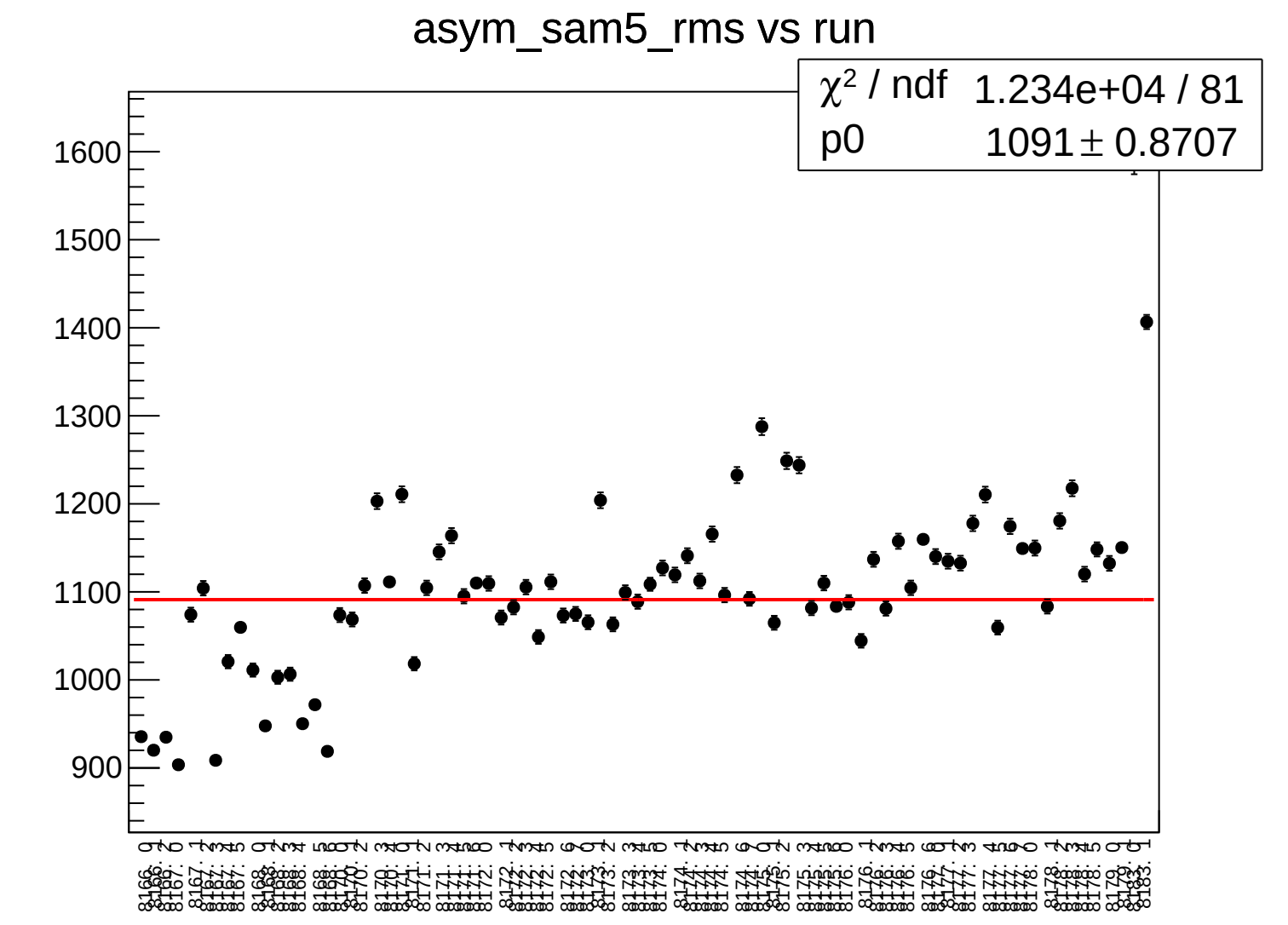

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 83.61 / 81
p0 1262 ± 1255
pull
Entries 82
Mean −38.69
Std Dev 0

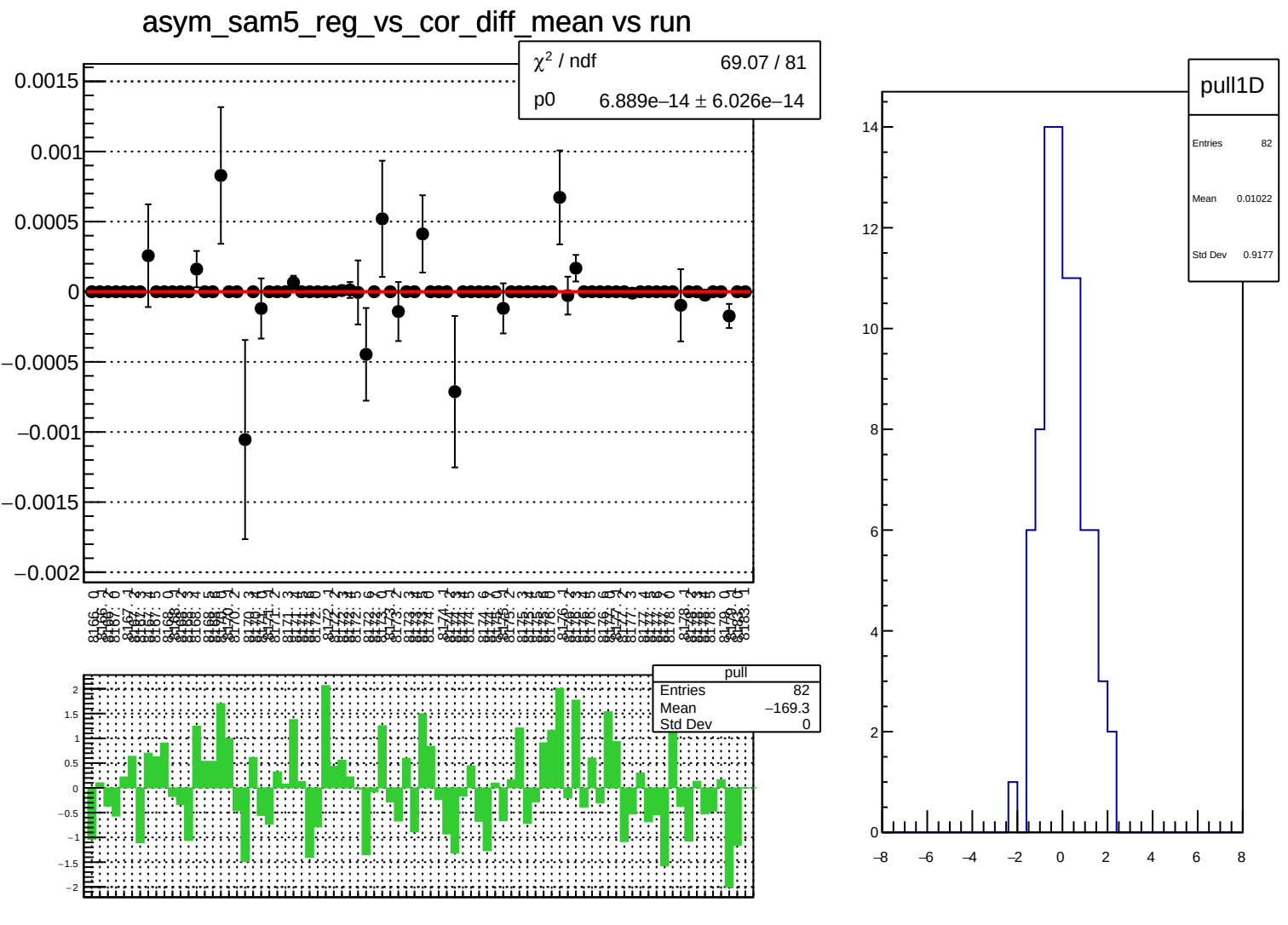

pull1D
Entries 82
Mean −0.02103
Std Dev 1.01

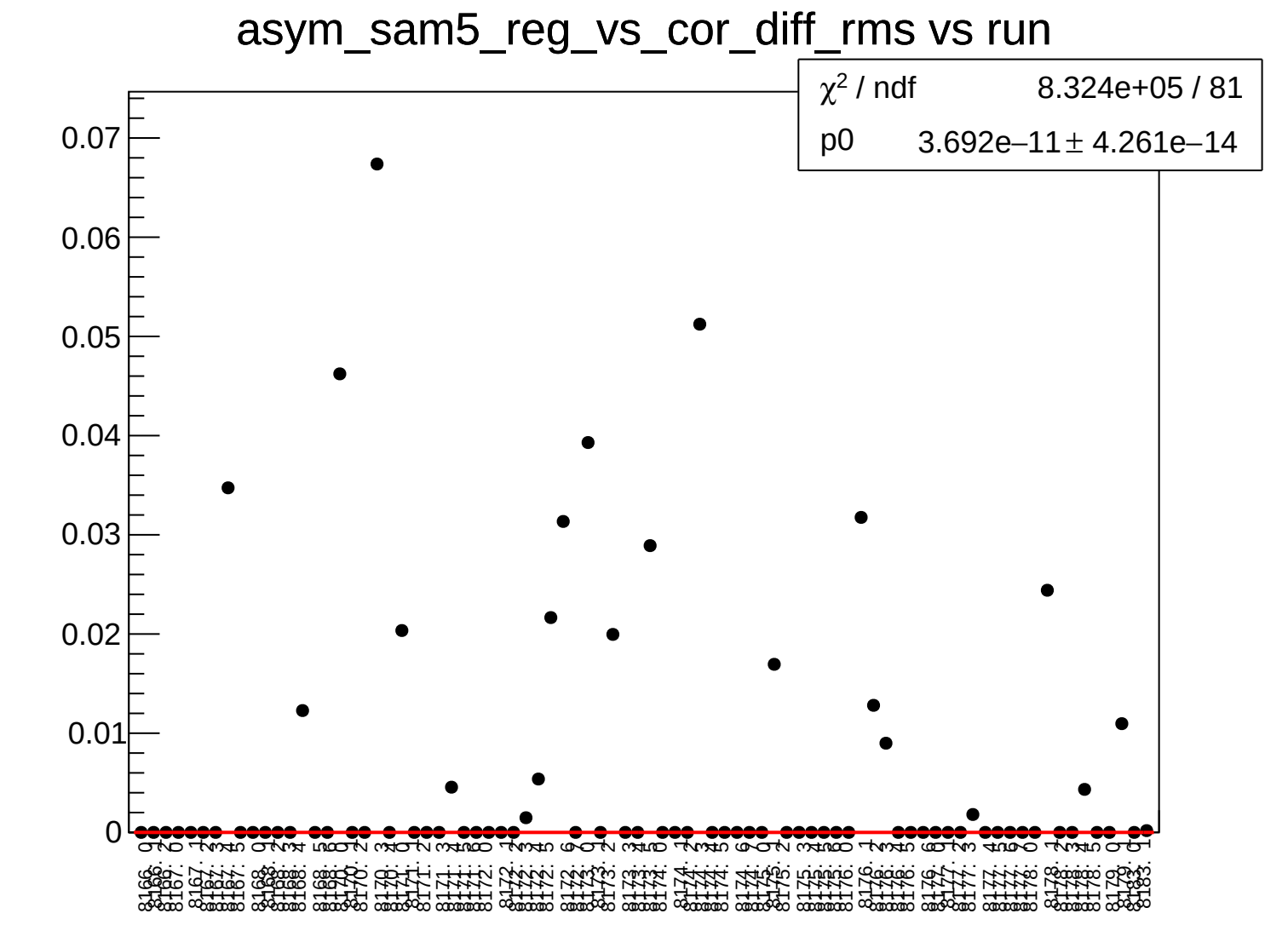

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 1.148e+04 / 81
p0 1113 ± 0.8878
1600
1500
1400
1300
1200
1100
1000
900

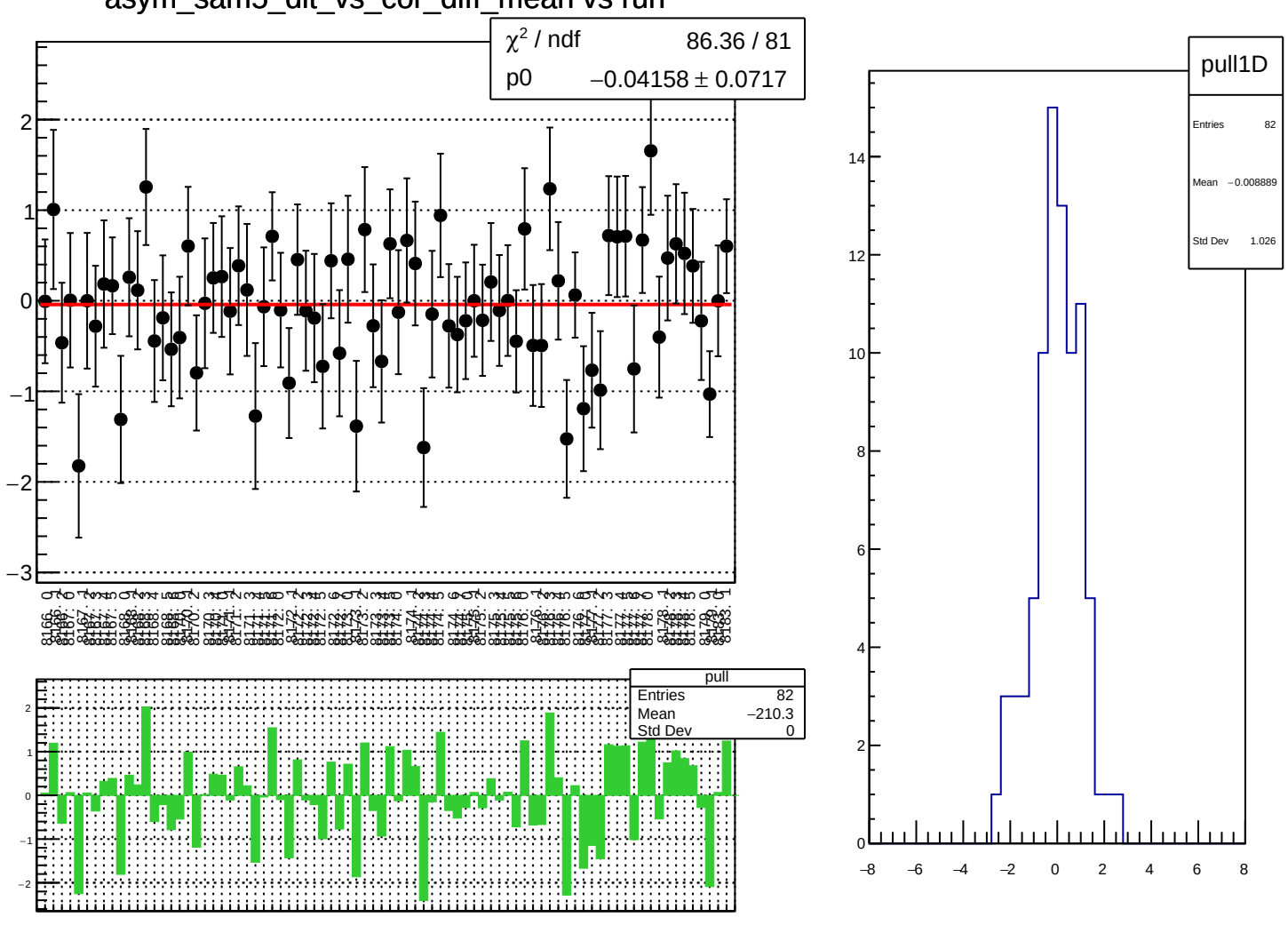

asym_sam5_mean vs run
χ² / ndf 83.43 / 81
p0 −1294 ± 1231
pull
Entries 82
Mean −44.6
Std Dev 0

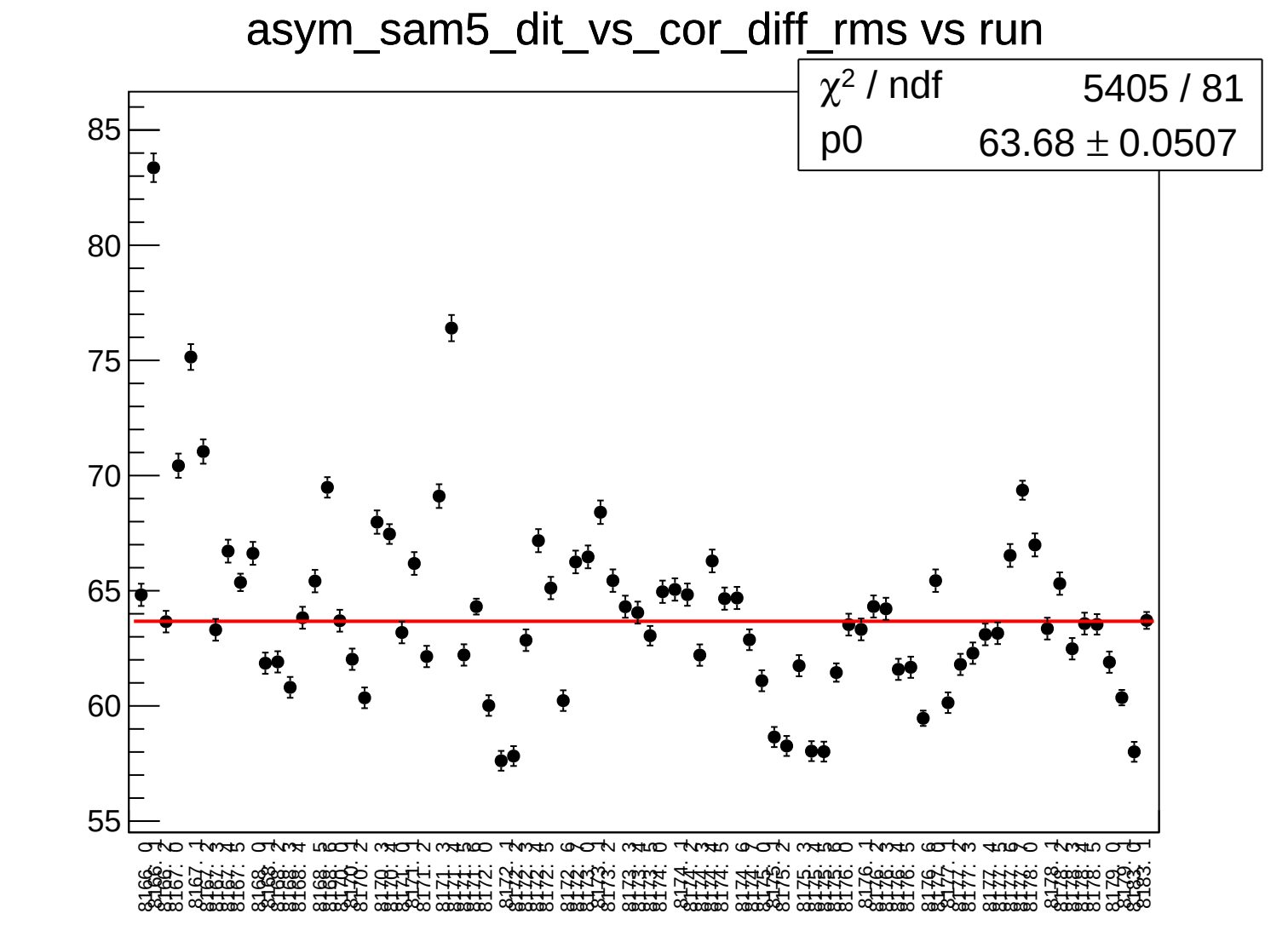

pull1D
Entries 82
Mean 0.02166
Std Dev 1.008

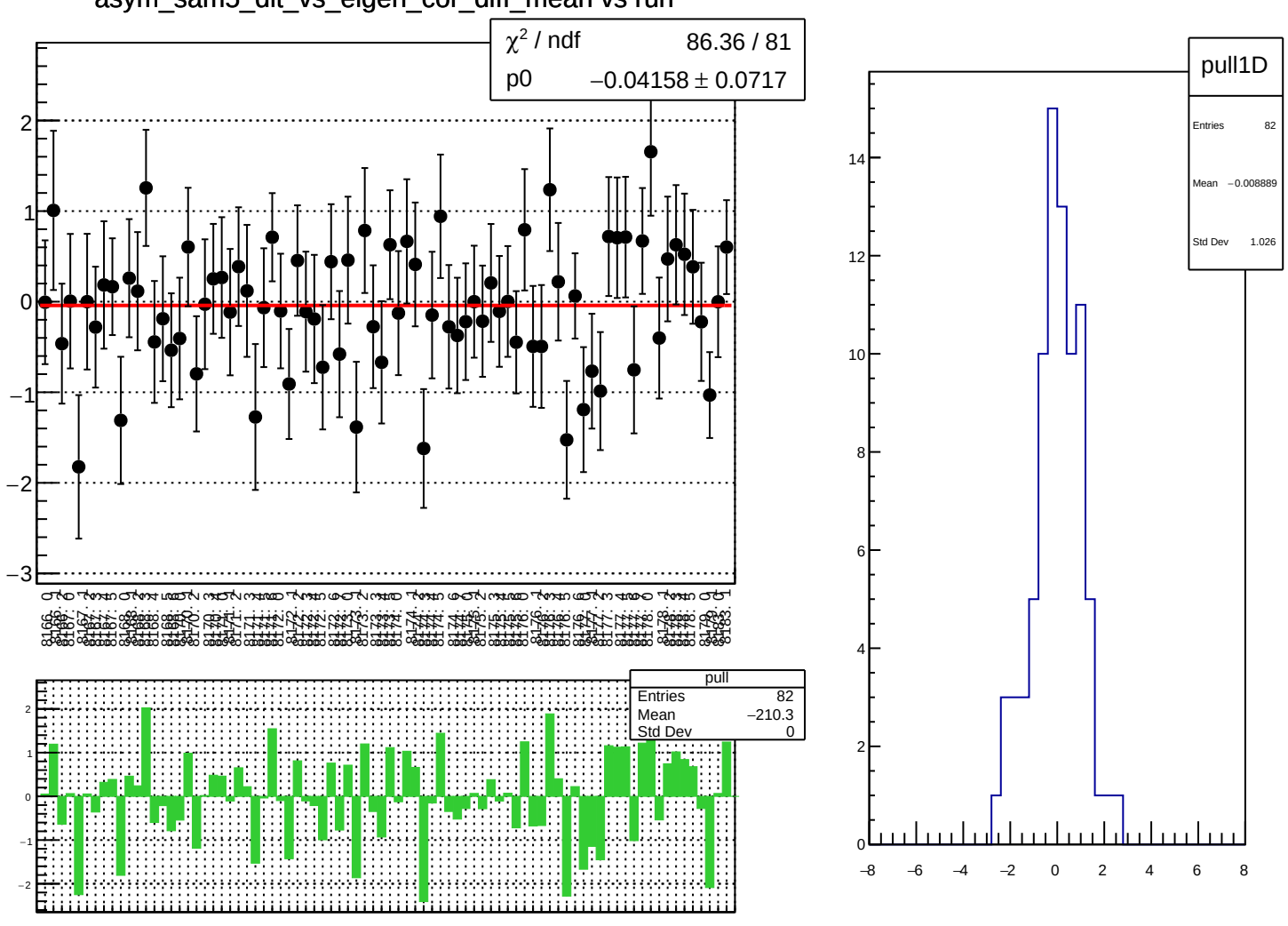

asym_sam5_rms vs run
χ² / ndf 1.234e+04 / 81
p0 1091 ± 0.8707
1600
1500
1400
1300
1200
1100
1000
900

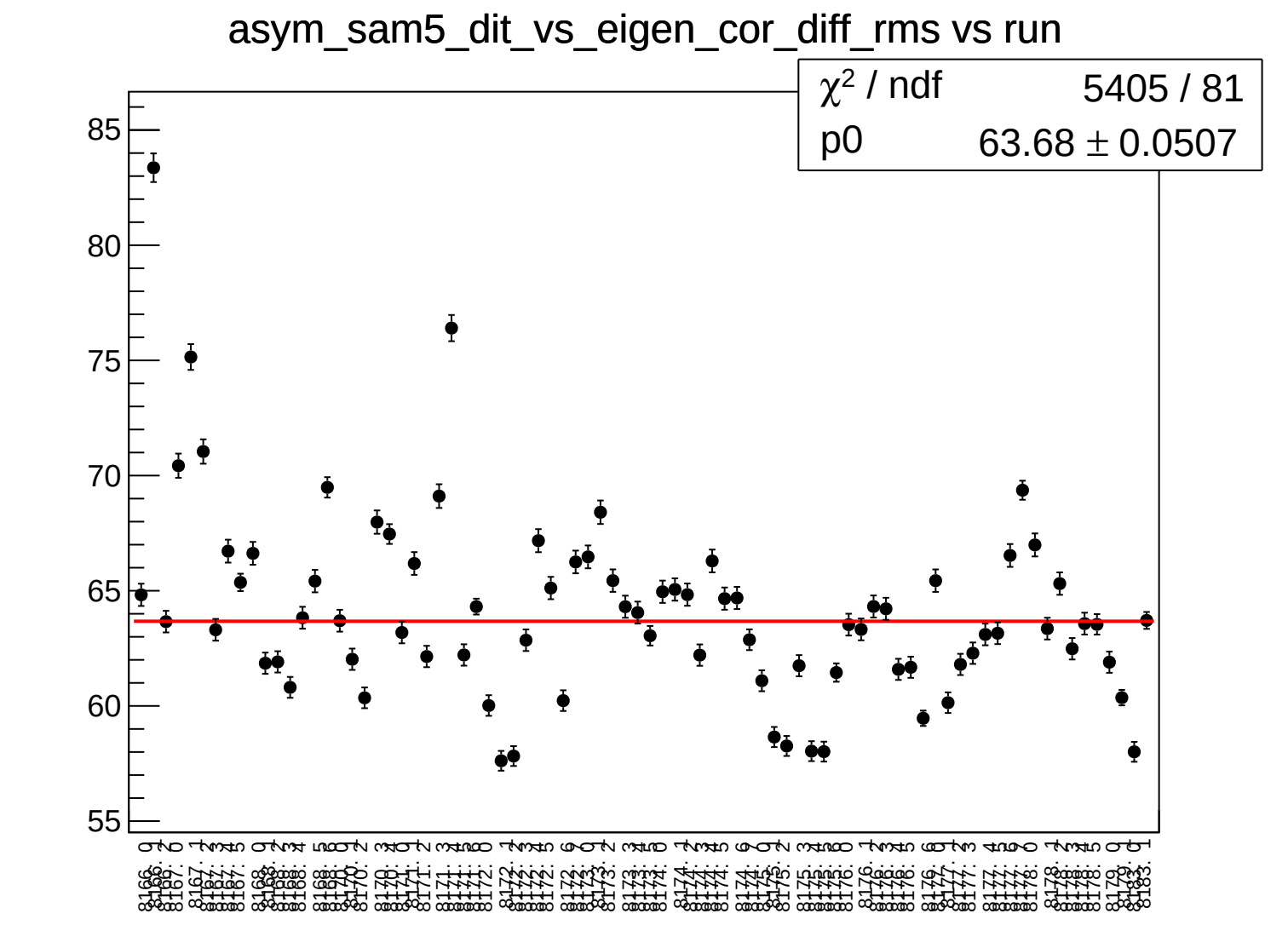

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 69.07 / 81
p0 6.889e−14 ± 6.026e−14
pull
Entries 82
Mean −169.3
Std Dev 0
pull1D
Entries 82
Mean 0.01022
Std Dev 0.9177

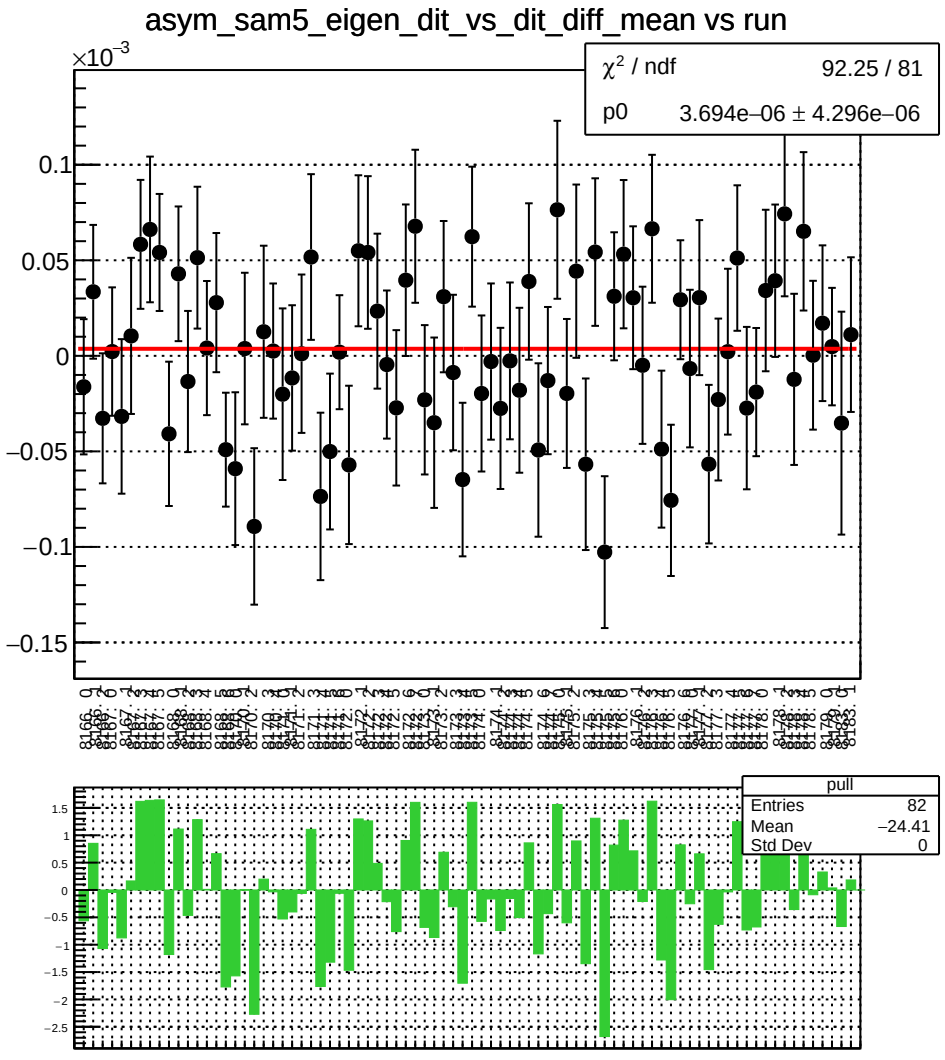

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 8.324e+05 / 81
p0 3.692e−11 ± 4.261e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

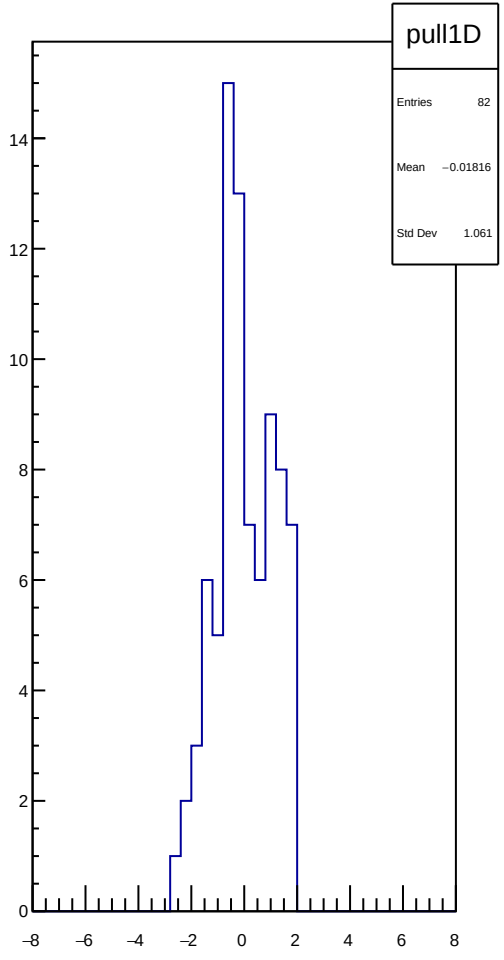

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 86.36 / 81
p0 −0.04158 ± 0.0717
pull
Entries 82
Mean −210.3
Std Dev 0
pull1D
Entries 82
Mean −0.008889
Std Dev 1.026

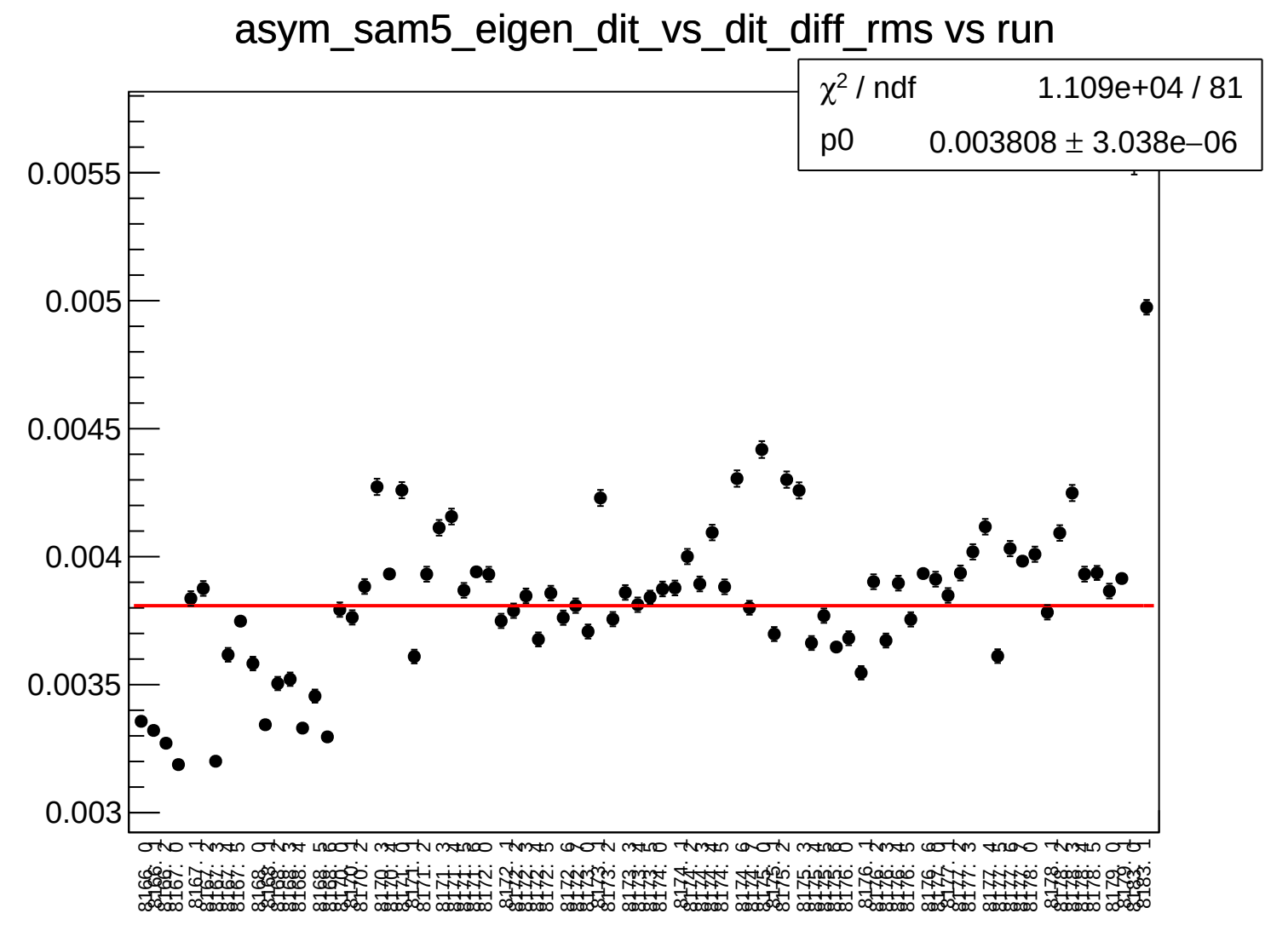

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 5405 / 81
p0 63.68 ± 0.0507
85
80
75
70
65
60
55

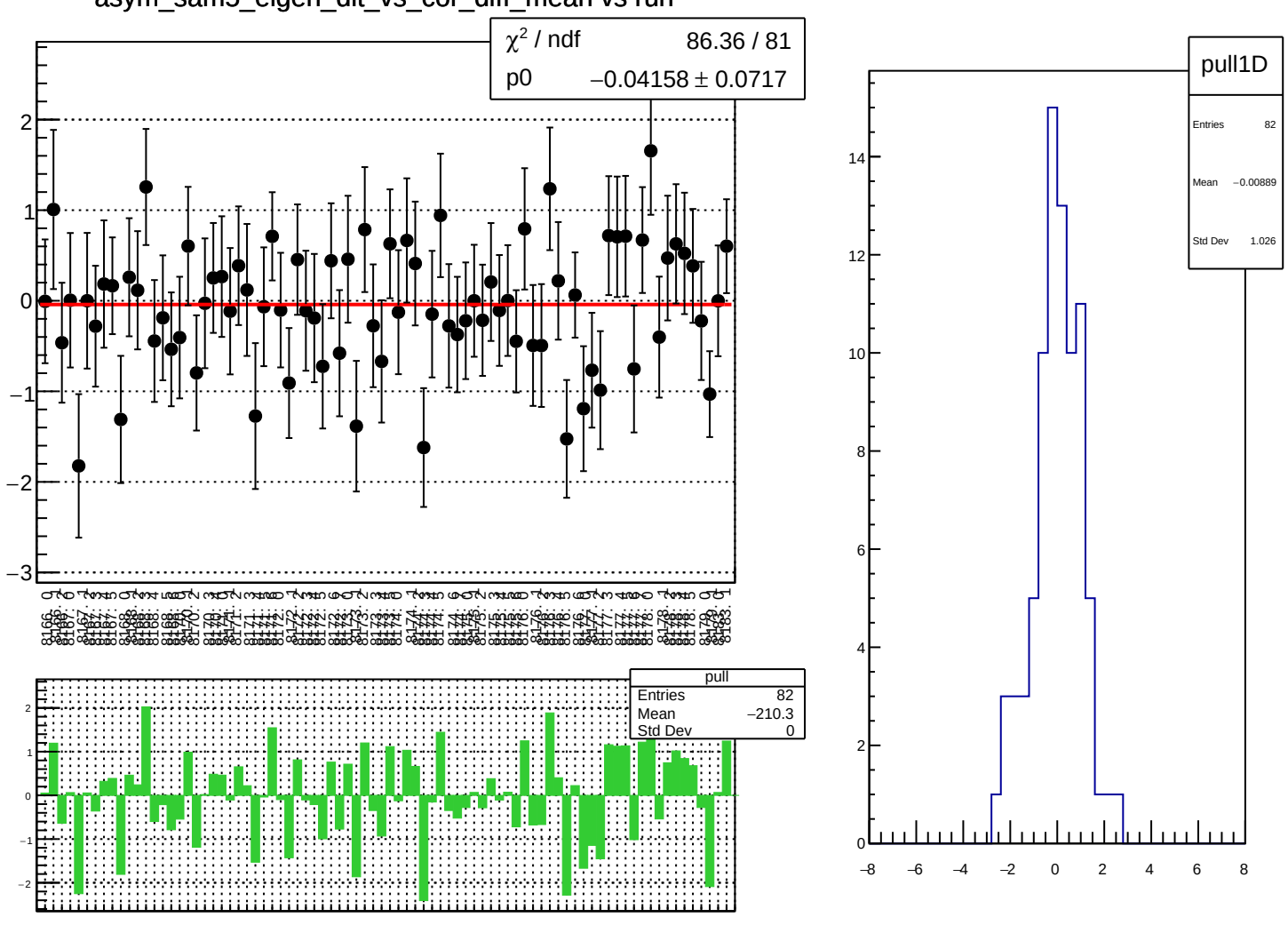

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.36 / 81
p0 −0.04158 ± 0.0717
pull
Entries 82
Mean −210.3
Std Dev 0
pull1D
Entries 82
Mean −0.008889
Std Dev 1.026

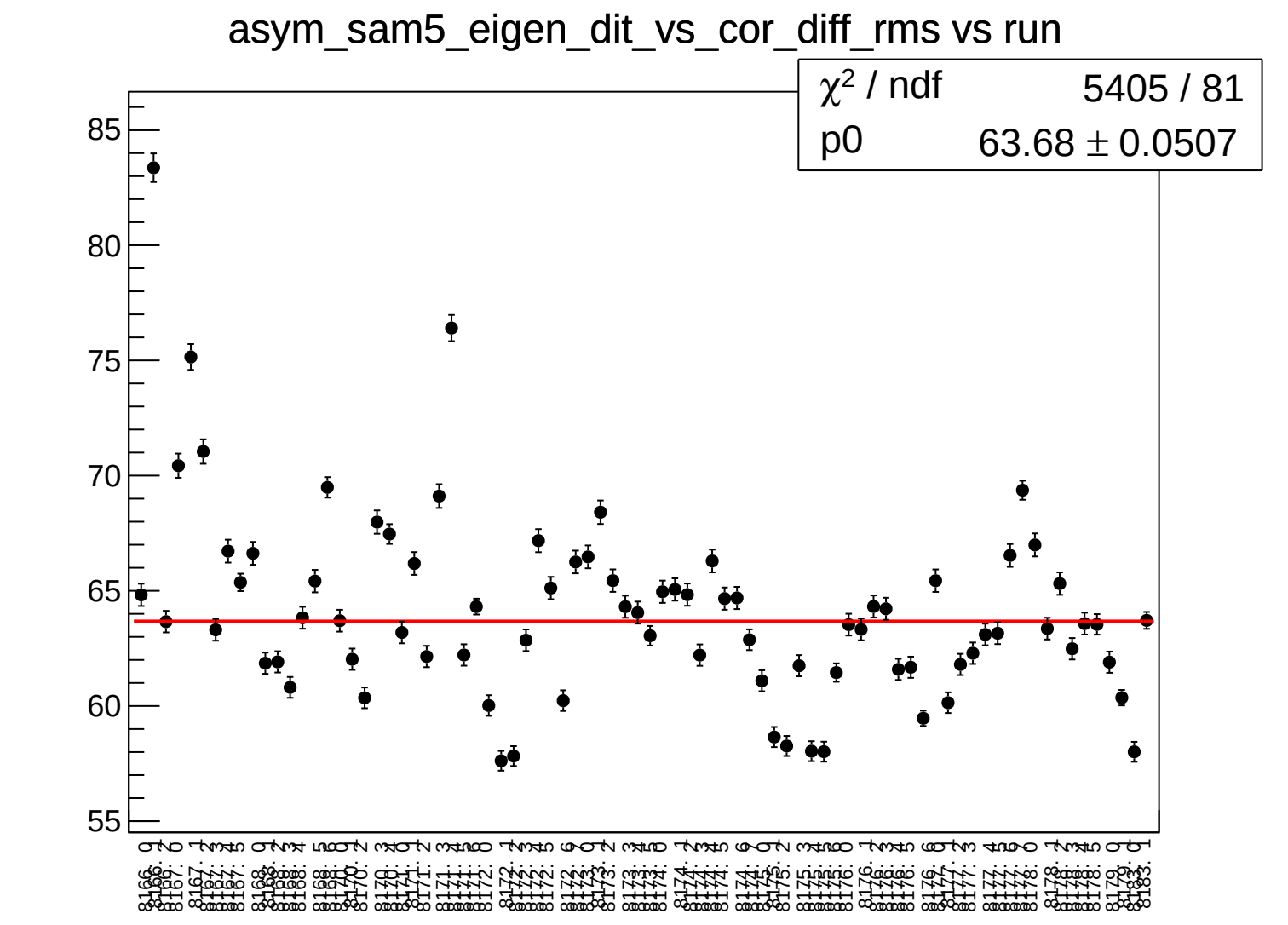

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5405 / 81
p0 63.68 ± 0.0507
85
80
75
70
65
60
55

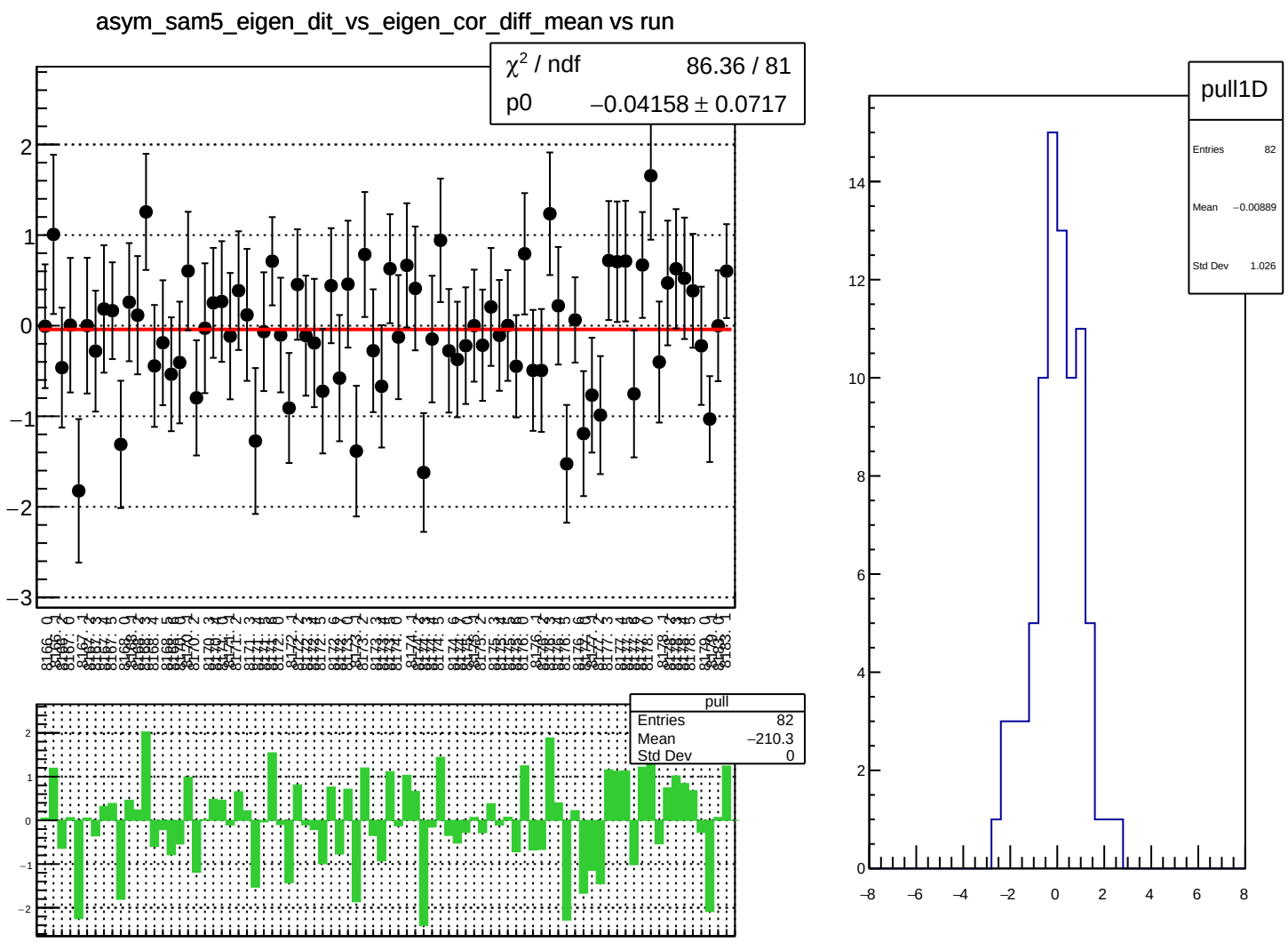

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.25 / 81
p0 3.694e−06 ± 4.296e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 82
Mean −24.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

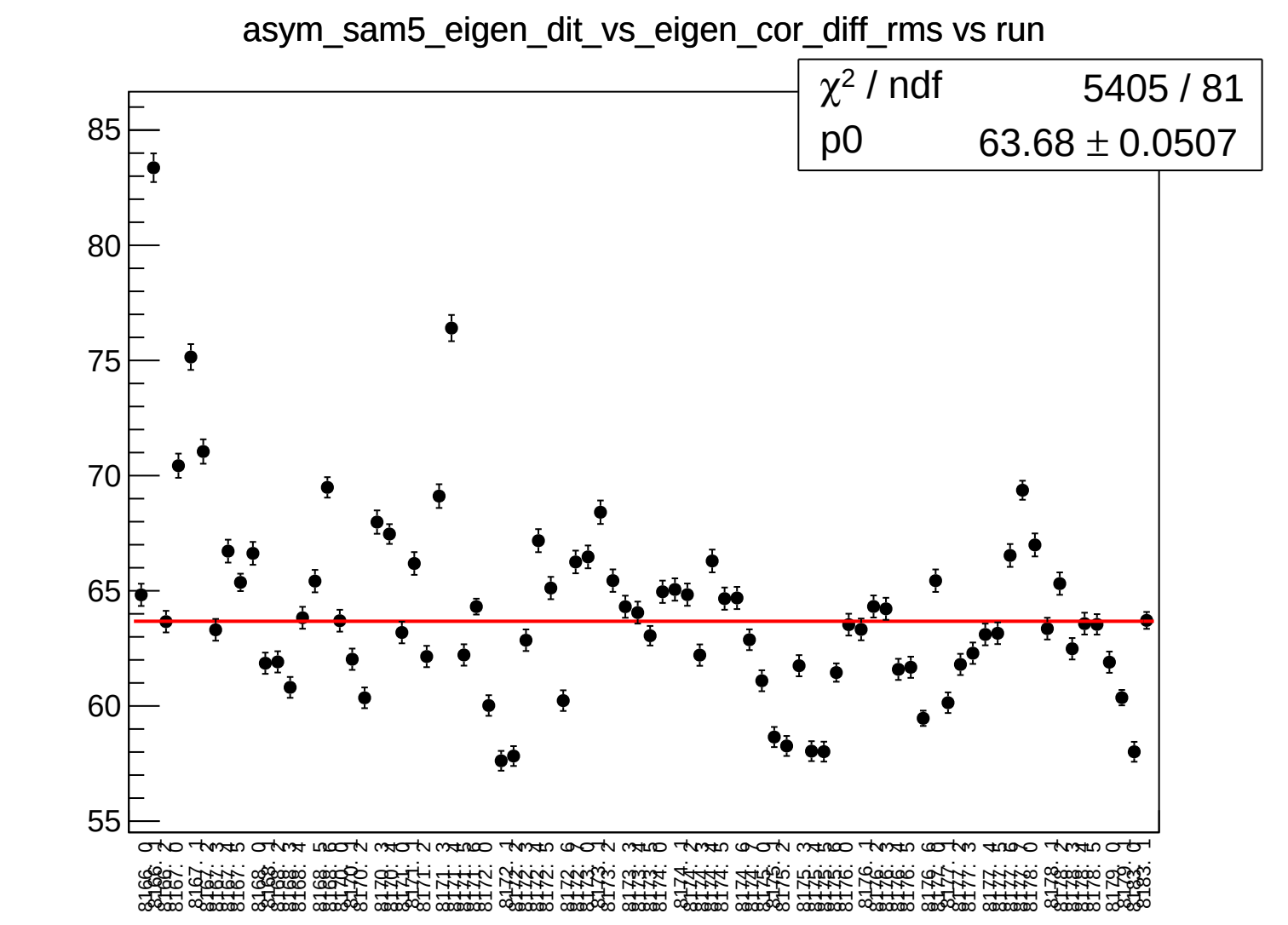

pull1D
Entries 82
Mean −0.01816
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

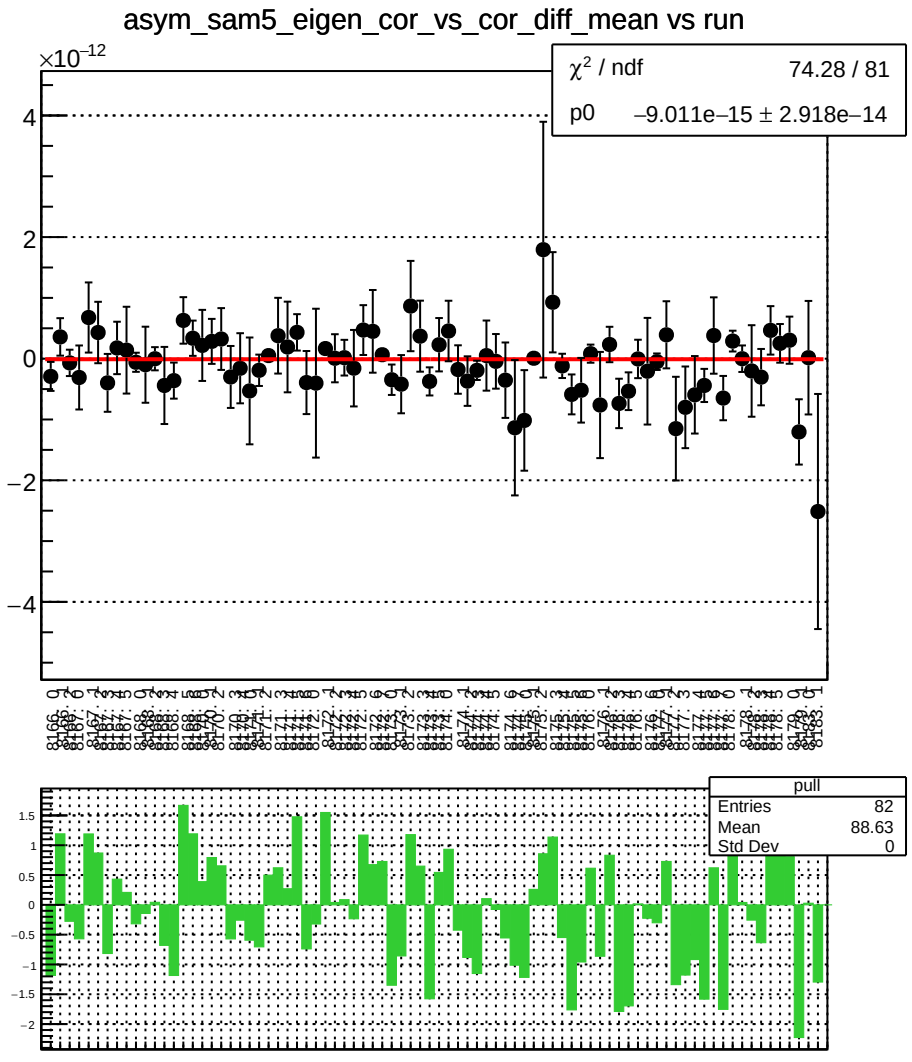

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.109e+04 / 81
p0 0.003808 ± 3.038e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003

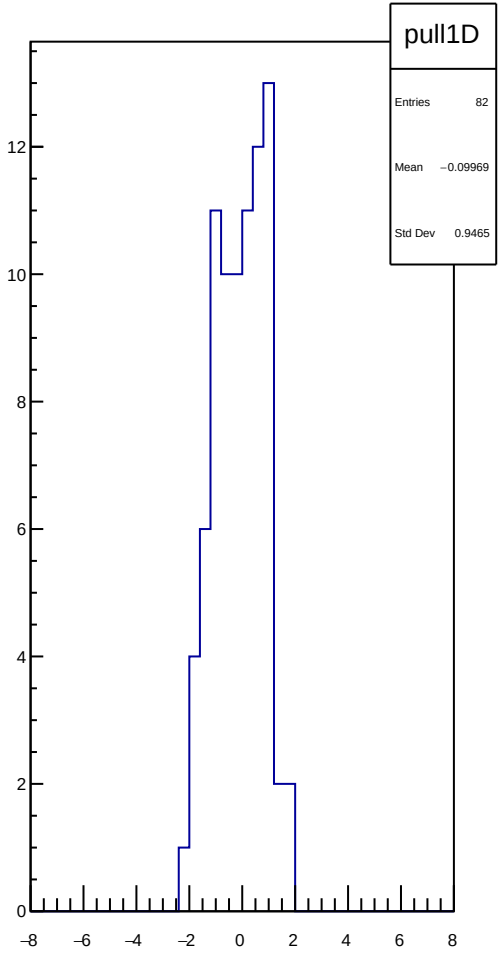

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.36 / 81
p0 −0.04158 ± 0.0717
pull
Entries 82
Mean −210.3
Std Dev 0
pull1D
Entries 82
Mean −0.00889
Std Dev 1.026

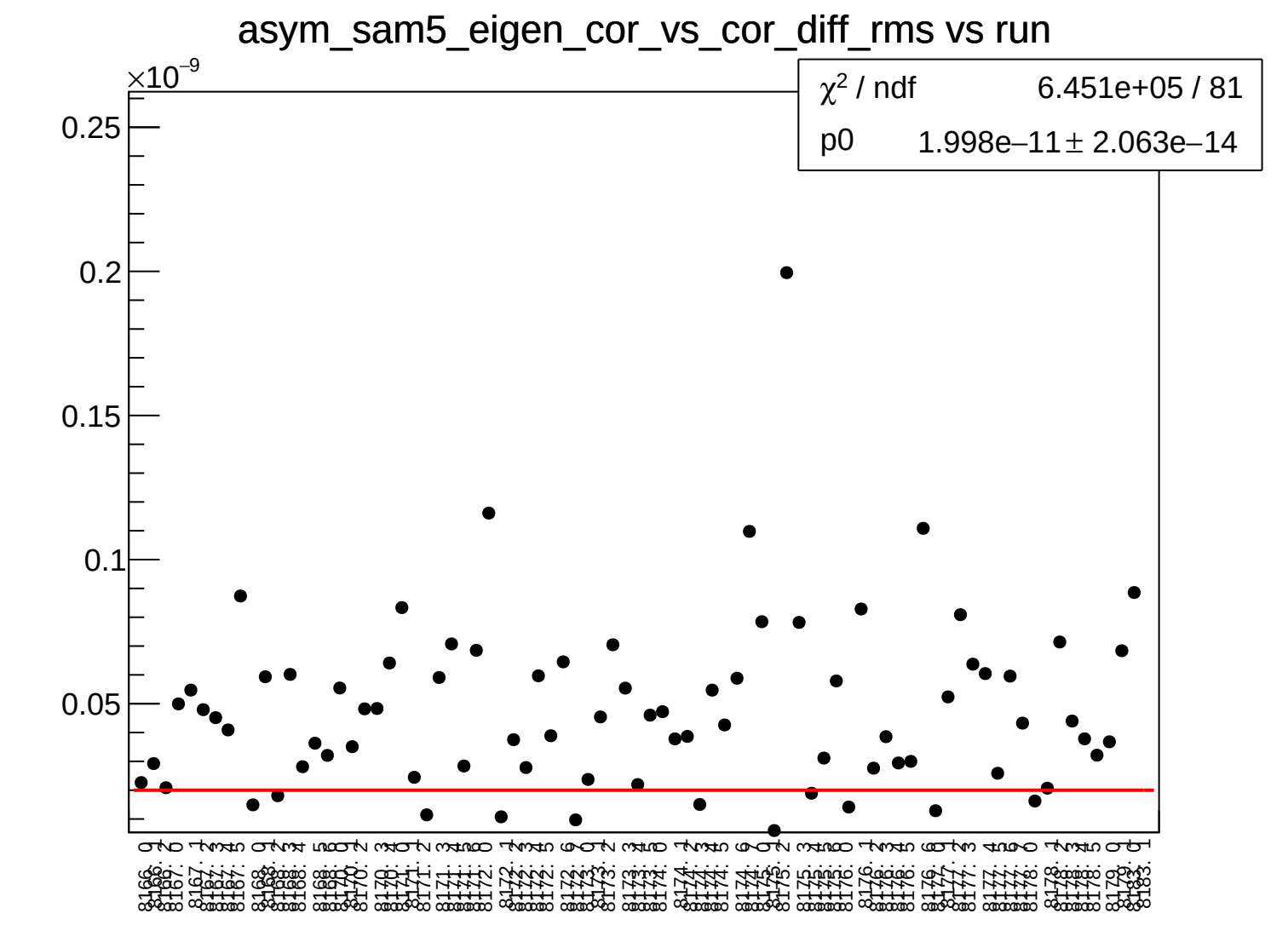

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5405 / 81
p0 63.68 ± 0.0507
85
80
75
70
65
60
55

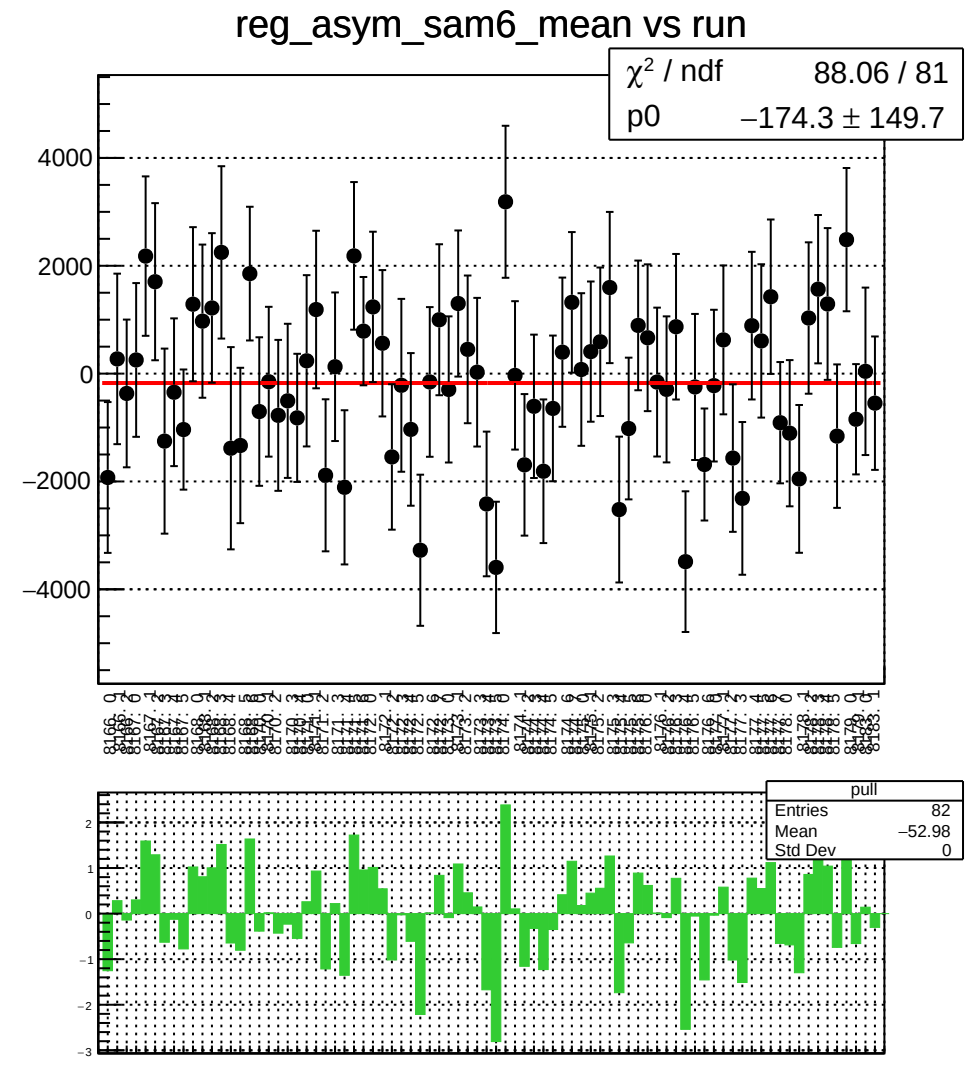

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.36 / 81
p0 −0.04158 ± 0.0717
pull
Entries 82
Mean −210.3
Std Dev 0
pull1D
Entries 82
Mean −0.00889
Std Dev 1.026

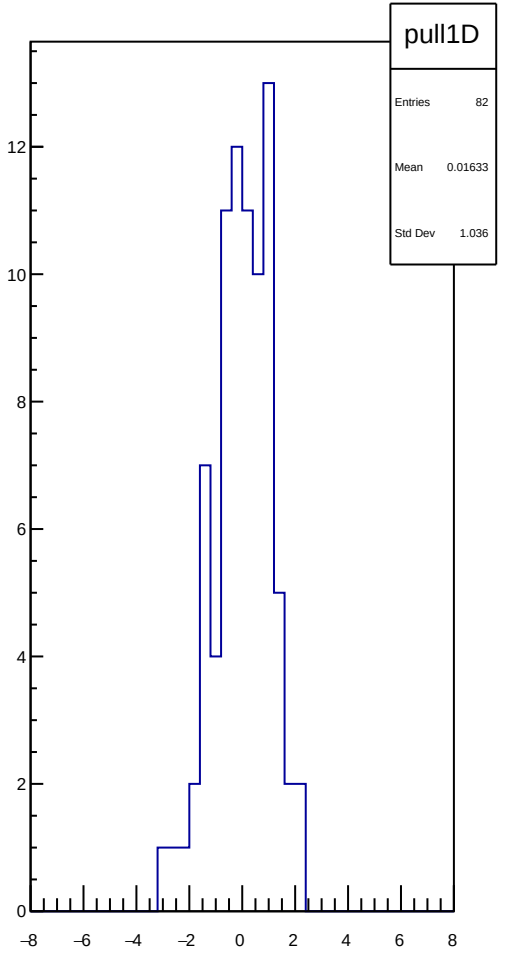

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5405 / 81
p0 63.68 ± 0.0507
85
80
75
70
65
60
55

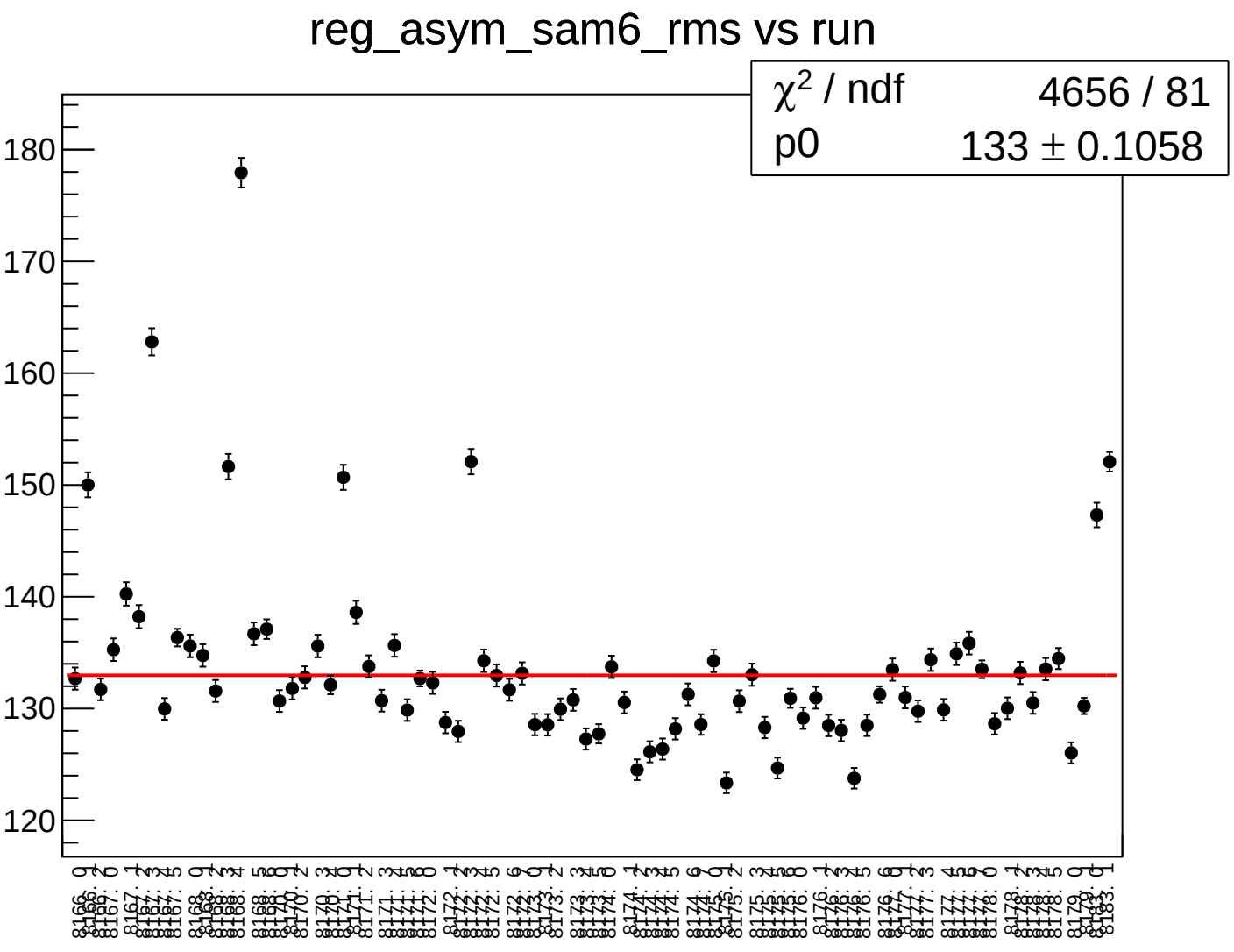

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.28 / 81
p0 −9.011e−15 ± 2.918e−14
pull
Entries 82
Mean 88.63
Std Dev 0

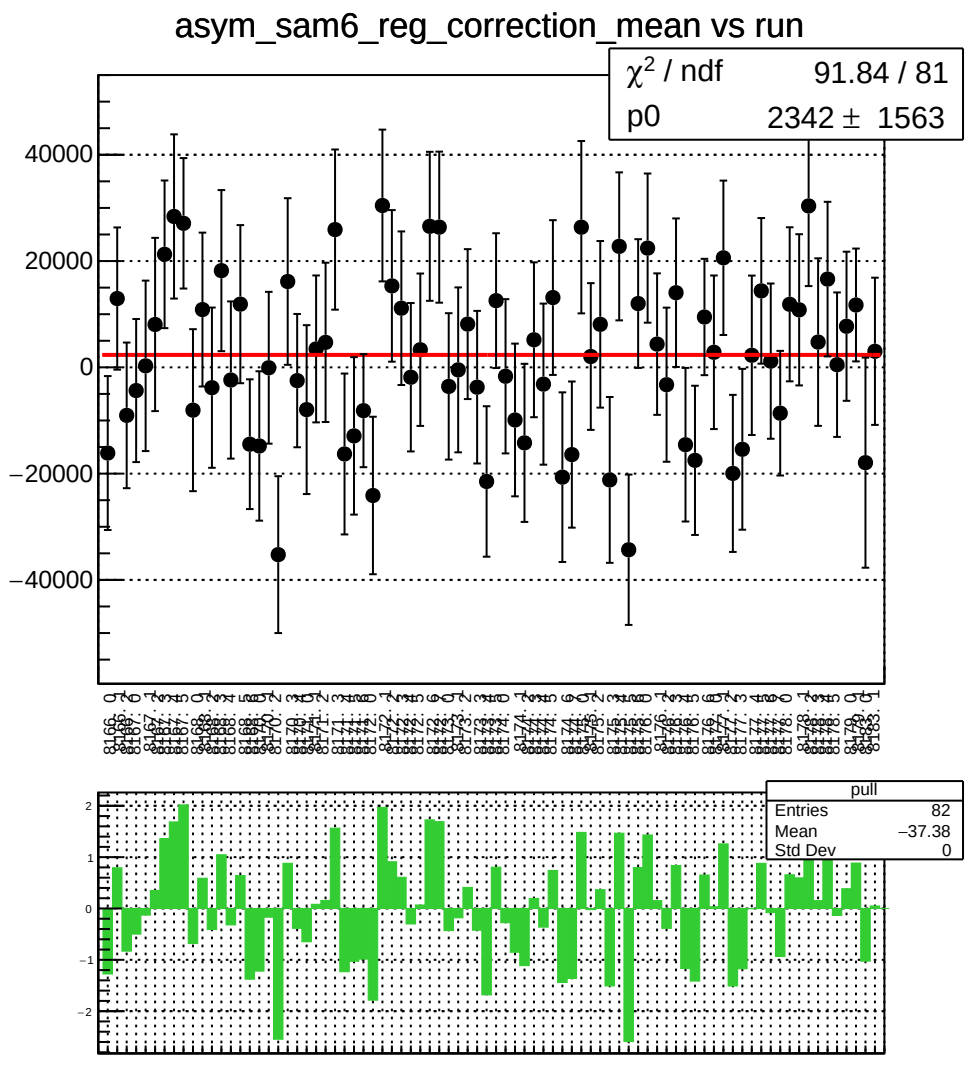

pull1D
Entries 82
Mean −0.09969
Std Dev 0.9465

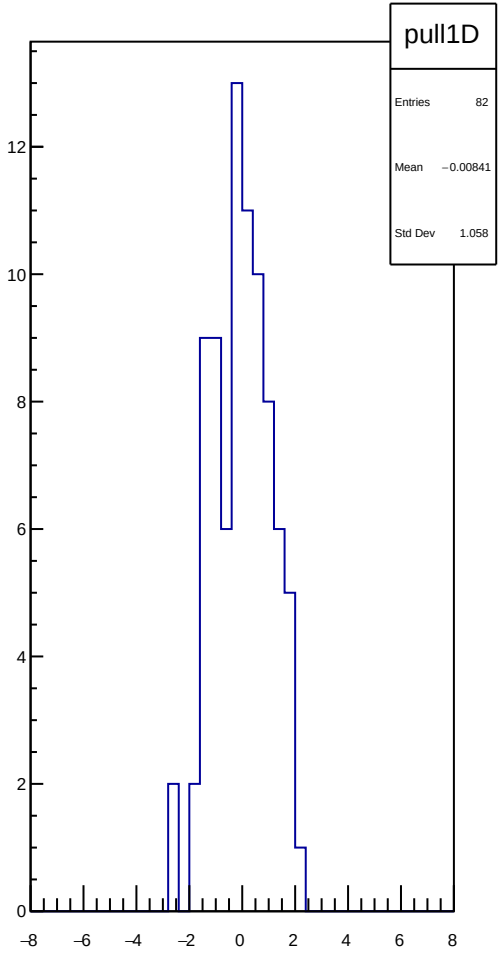

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.451e+05 / 81
p0 1.998e−11 ± 2.063e−14
0.25
0.2
0.15
0.1
0.05

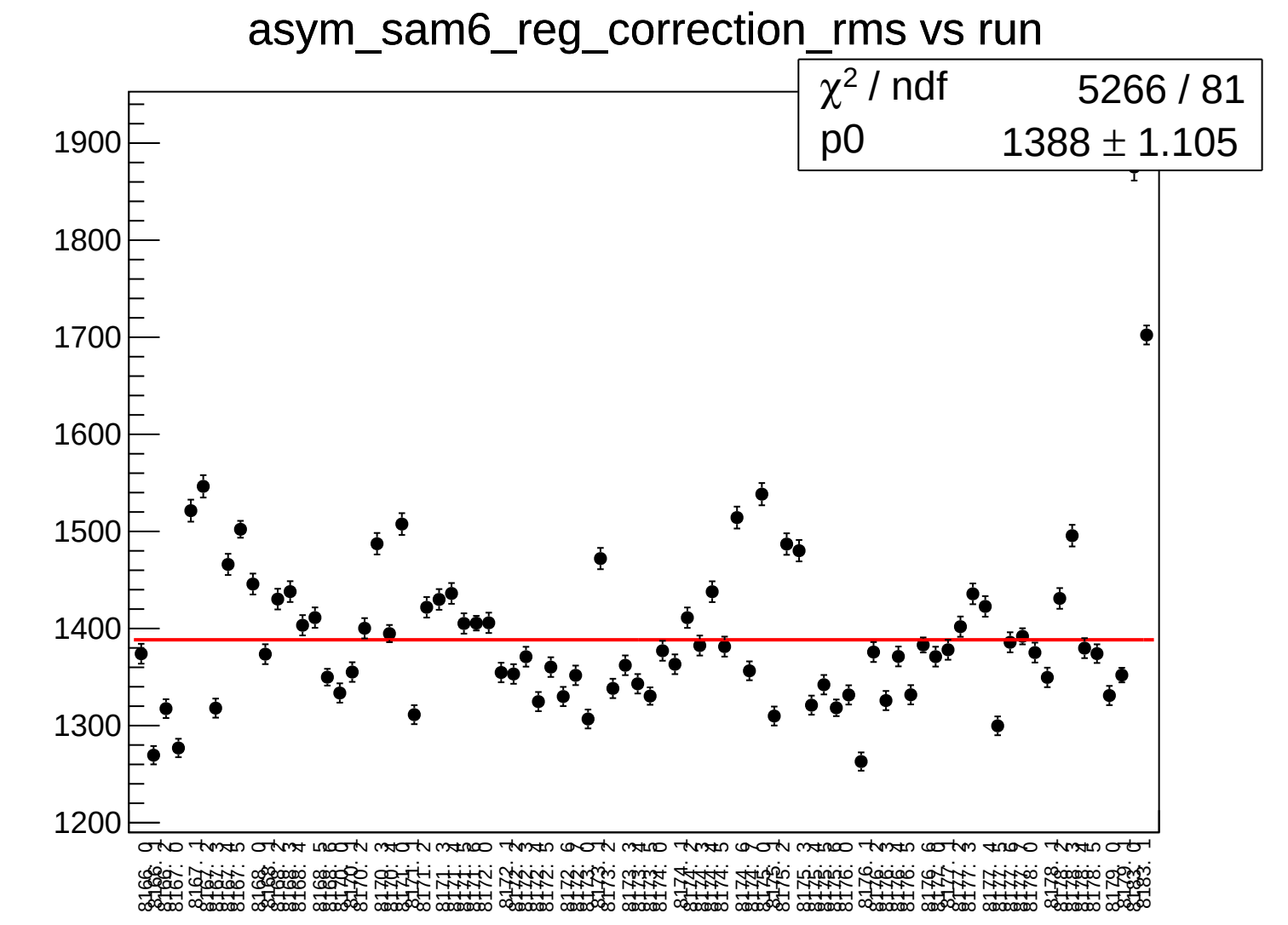

reg_asym_sam6_mean vs run
χ² / ndf 88.06 / 81
p0 −174.3 ± 149.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −52.98
Std Dev 0
2
1
0
−1
−2
−3

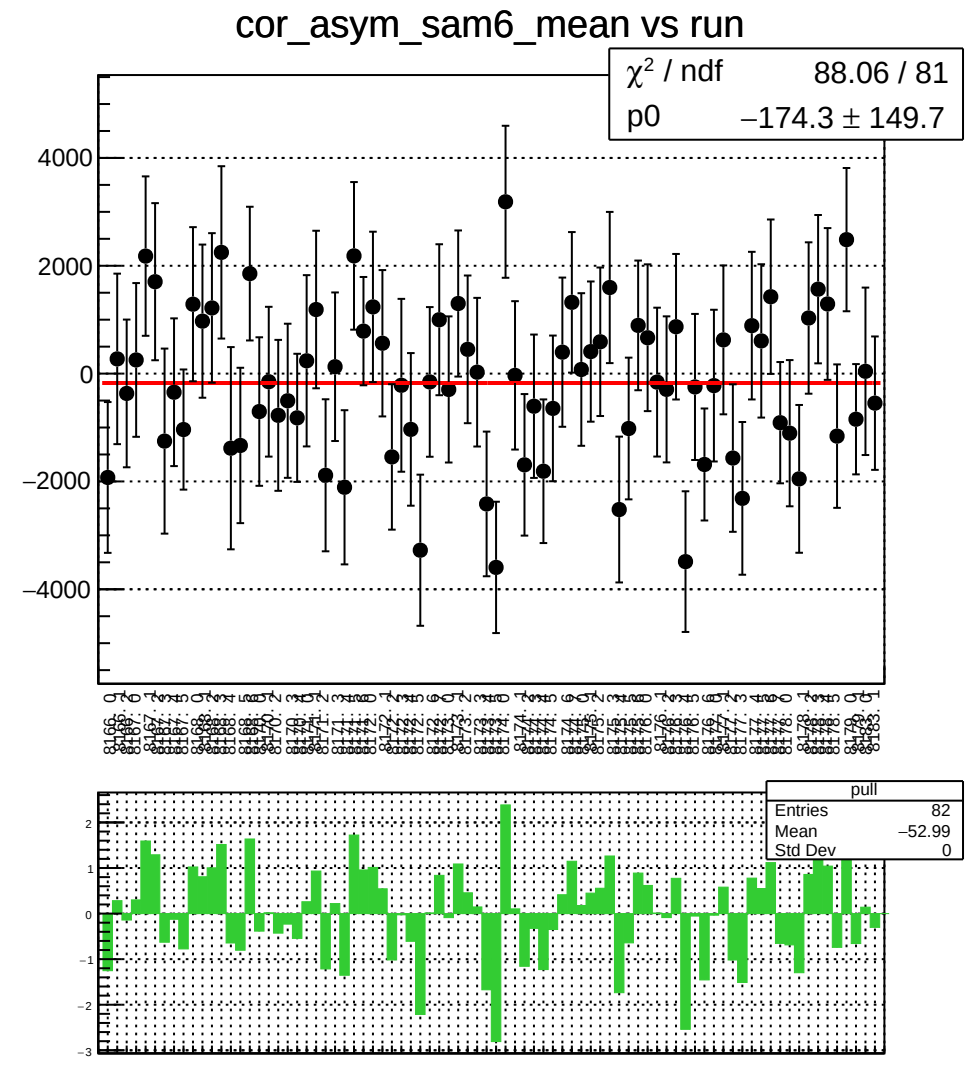

pull1D
Entries 82
Mean 0.01633
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

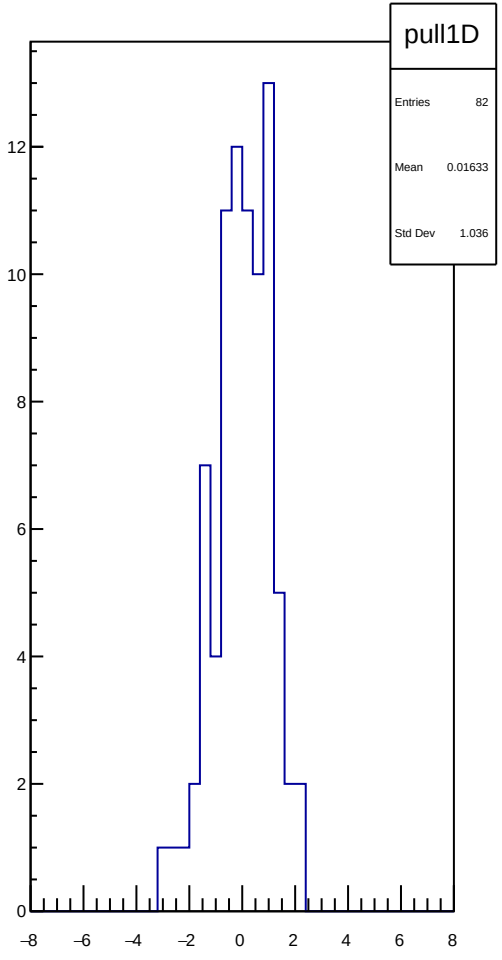

reg_asym_sam6_rms vs run
χ^2 / ndf 4656 / 81
p0 133 ± 0.1058
180
170
160
150
140
130
120

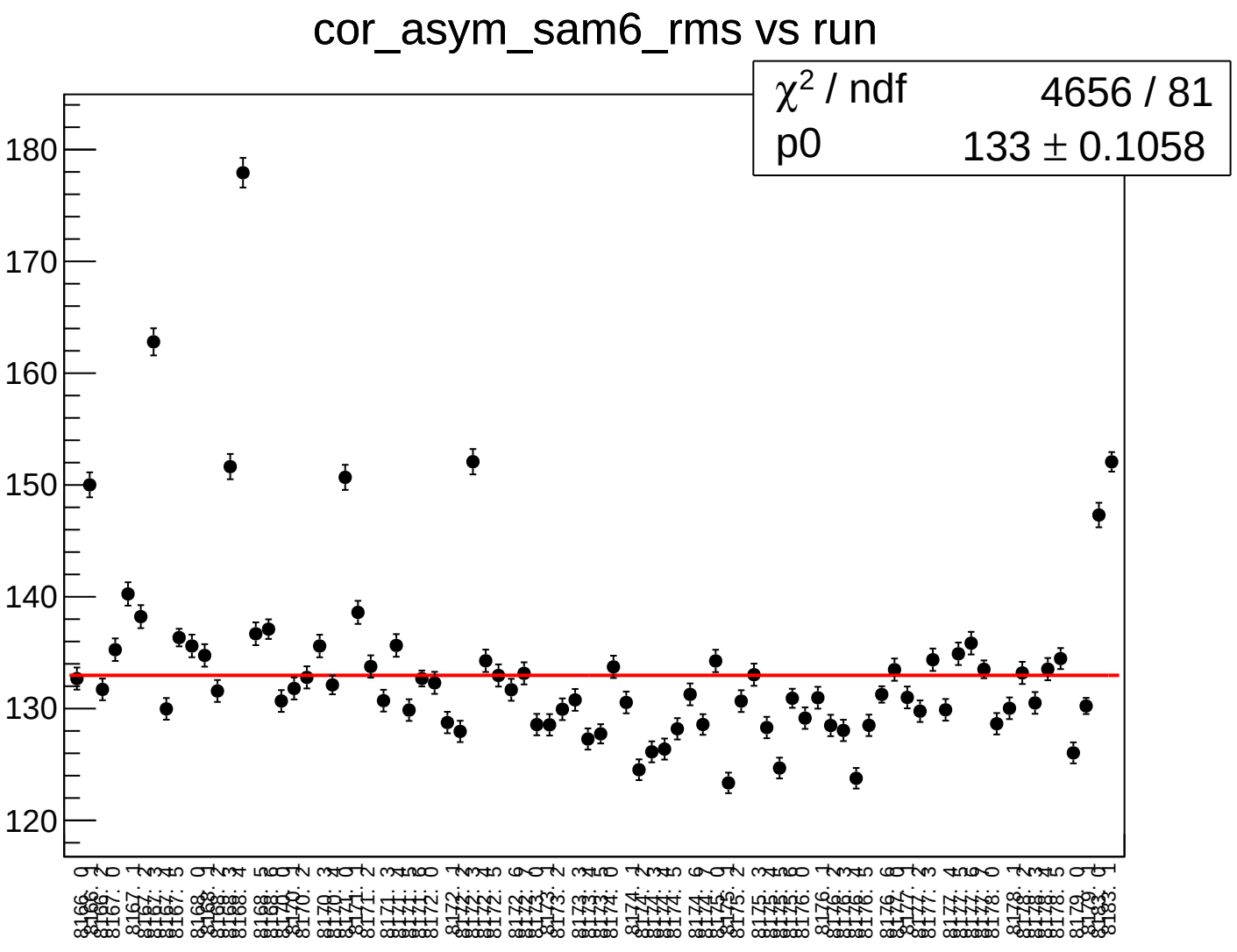

asym_sam6_reg_correction_mean vs run
χ² / ndf 91.84 / 81
p0 2342 ± 1563
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −37.38
Std Dev 0
2
1
0
−1
−2

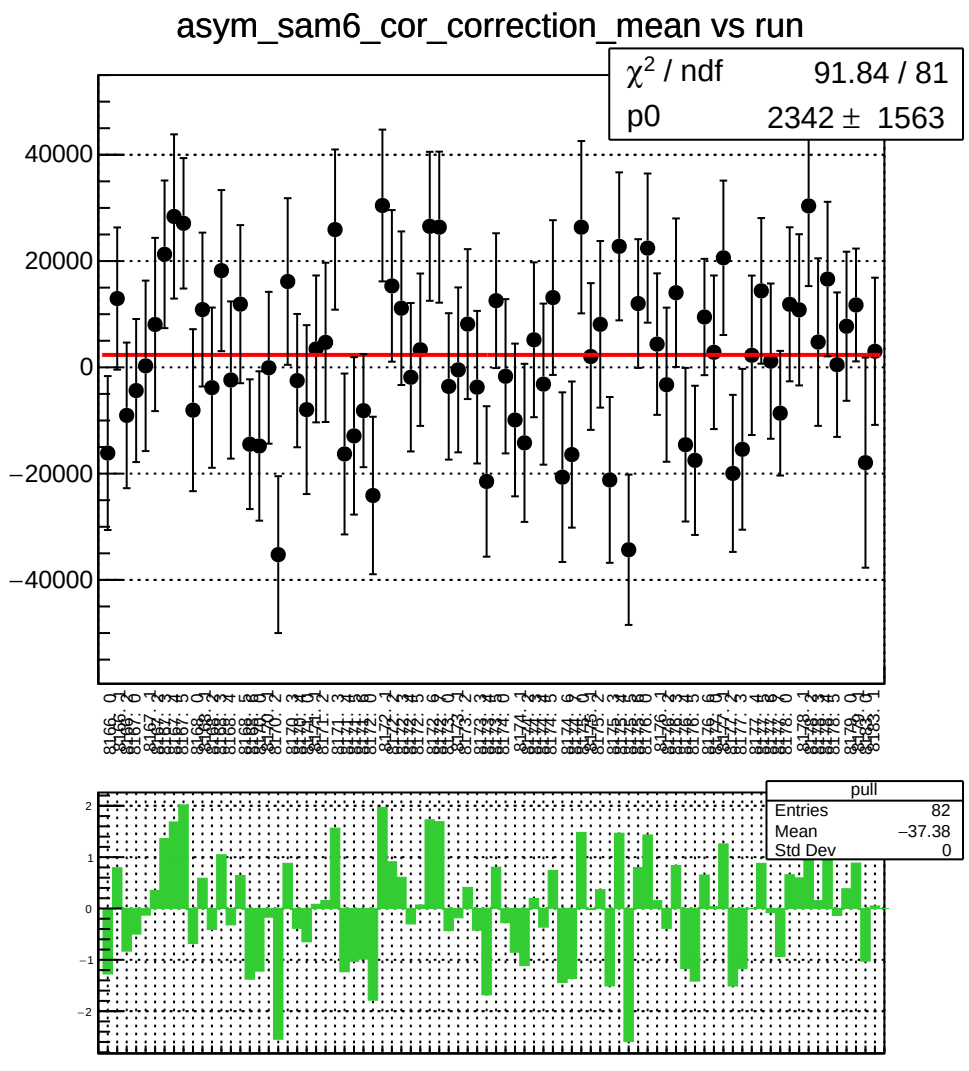

pull1D
Entries 82
Mean −0.00841
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

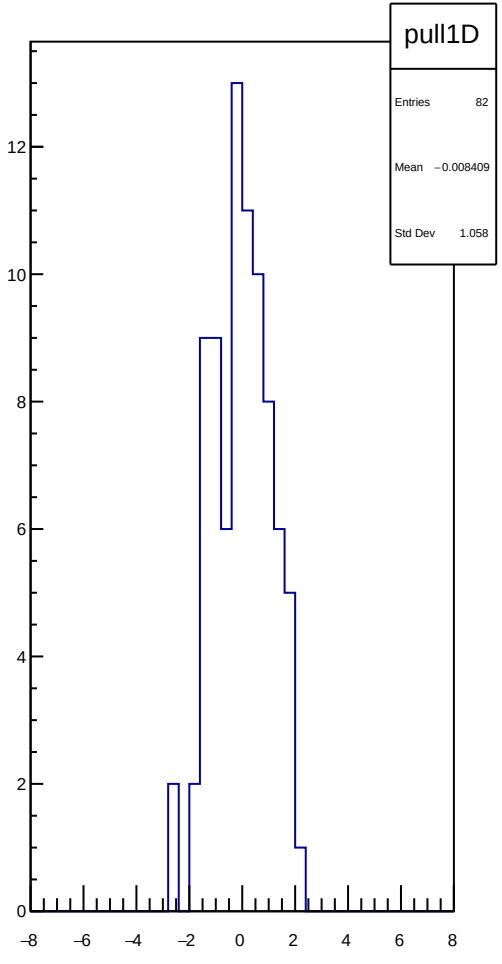

asym_sam6_reg_correction_rms vs run
χ² / ndf 5266 / 81
p0 1388 ± 1.105
1900
1800
1700
1600
1500
1400
1300
1200

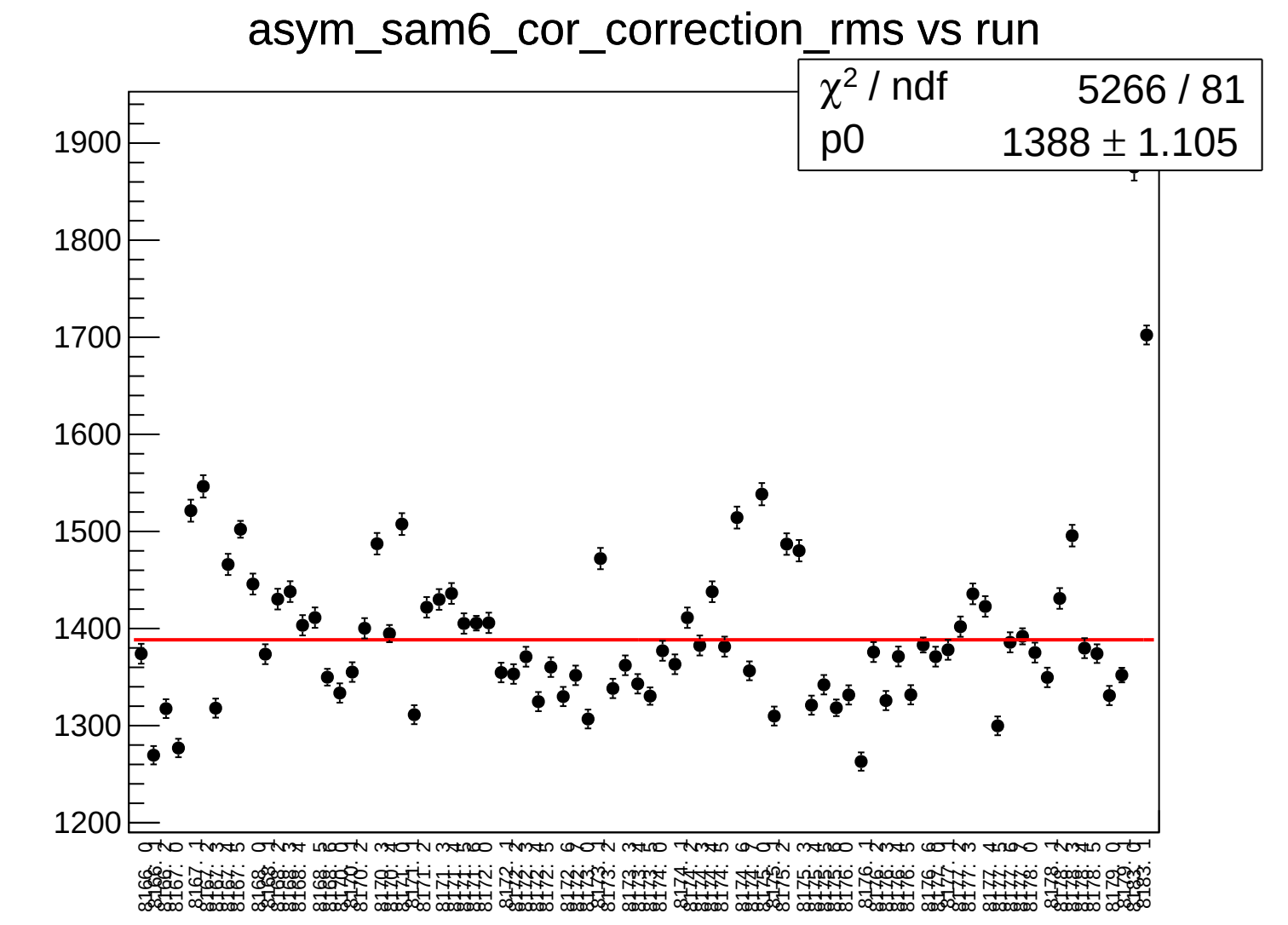

cor_asym_sam6_mean vs run
χ² / ndf 88.06 / 81
p0 −174.3 ± 149.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −52.99
Std Dev 0
2
1
0
−1
−2
−3

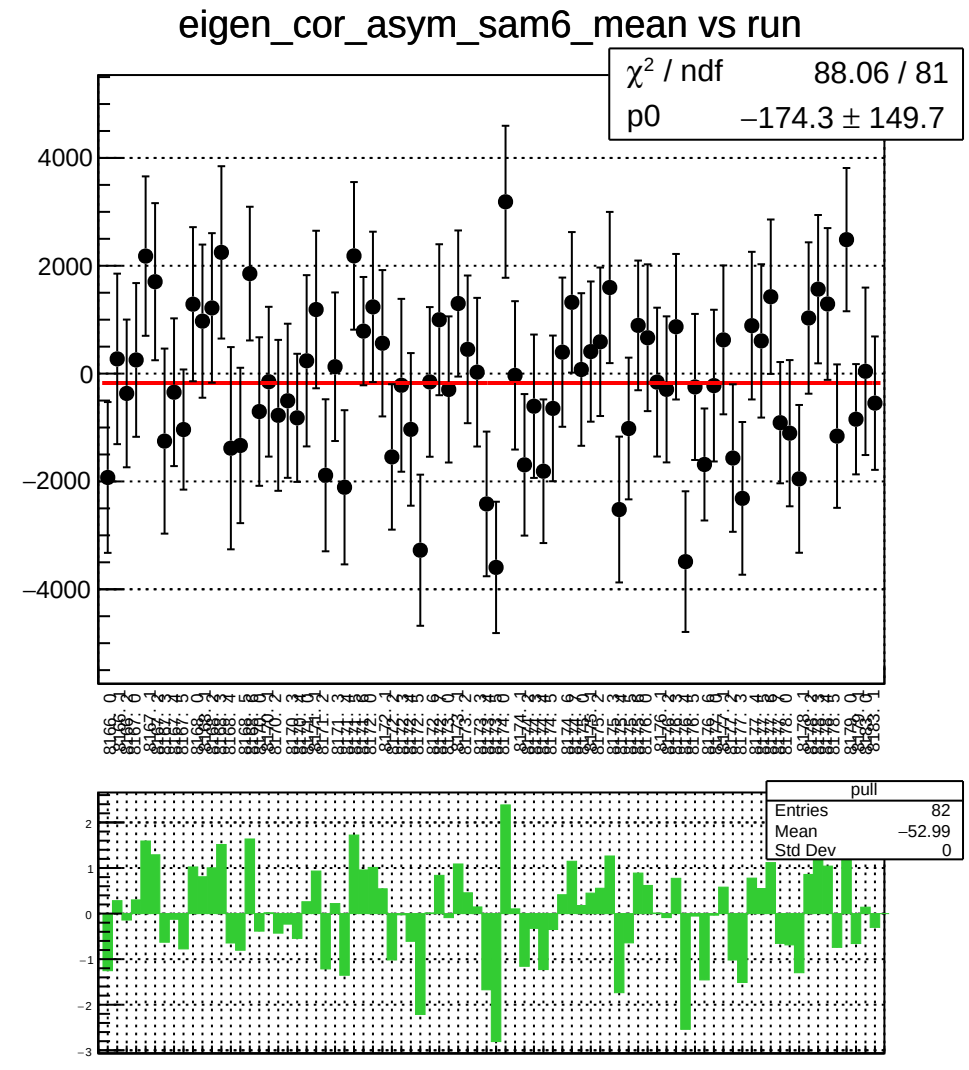

pull1D
Entries 82
Mean 0.01633
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

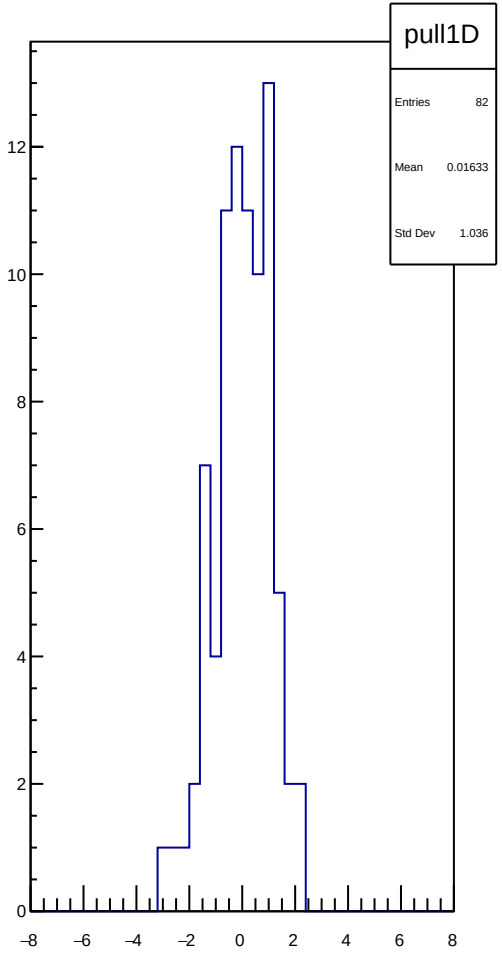

cor_asym_sam6_rms vs run
χ² / ndf 4656 / 81
p0 133 ± 0.1058
180
170
160
150
140
130
120

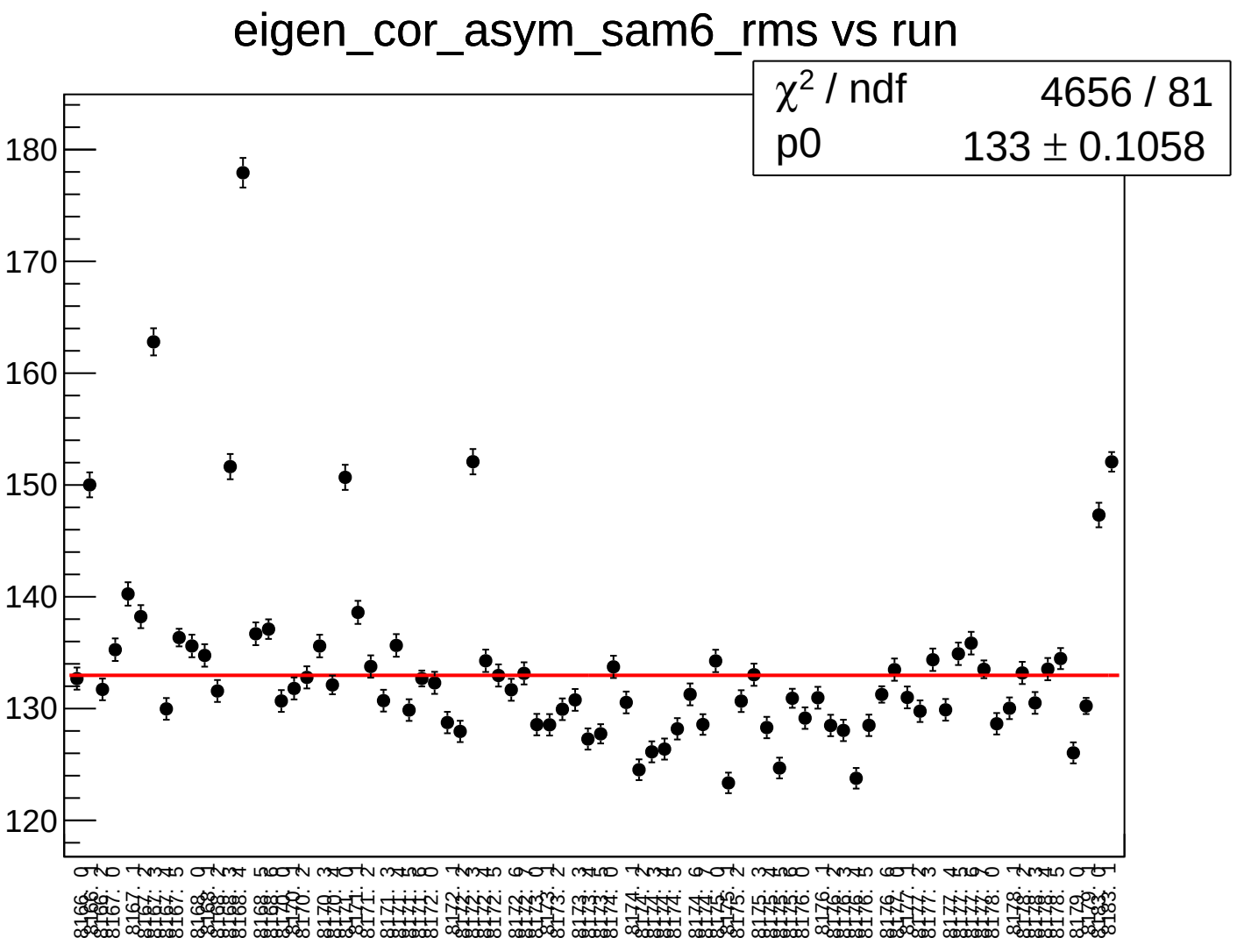

asym_sam6_cor_correction_mean vs run
χ² / ndf 91.84 / 81
p0 2342 ± 1563
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −37.38
Std Dev 0
2
1
0
−1
−2

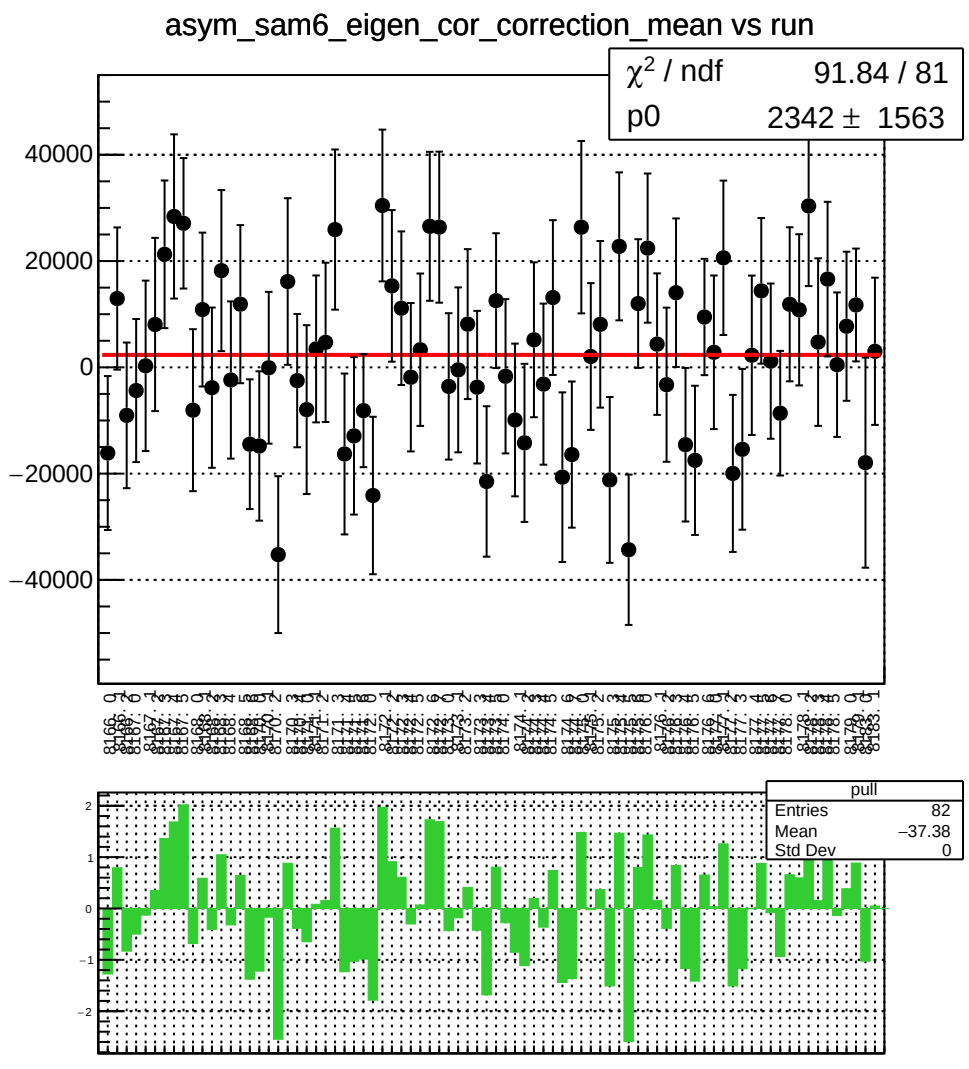

pull1D
Entries 82
Mean −0.008409
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

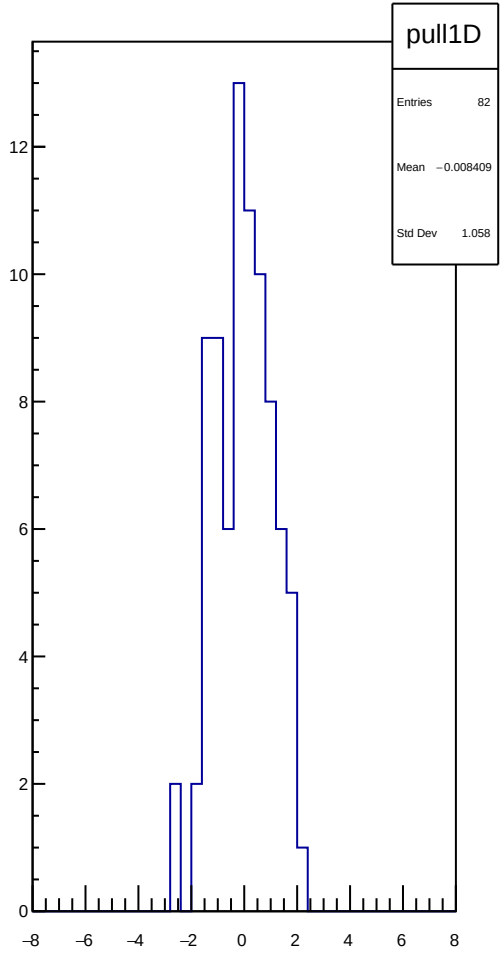

asym_sam6_cor_correction_rms vs run
χ^2 / ndf 5266 / 81
p0 1388 ± 1.105
1900
1800
1700
1600
1500
1400
1300
1200

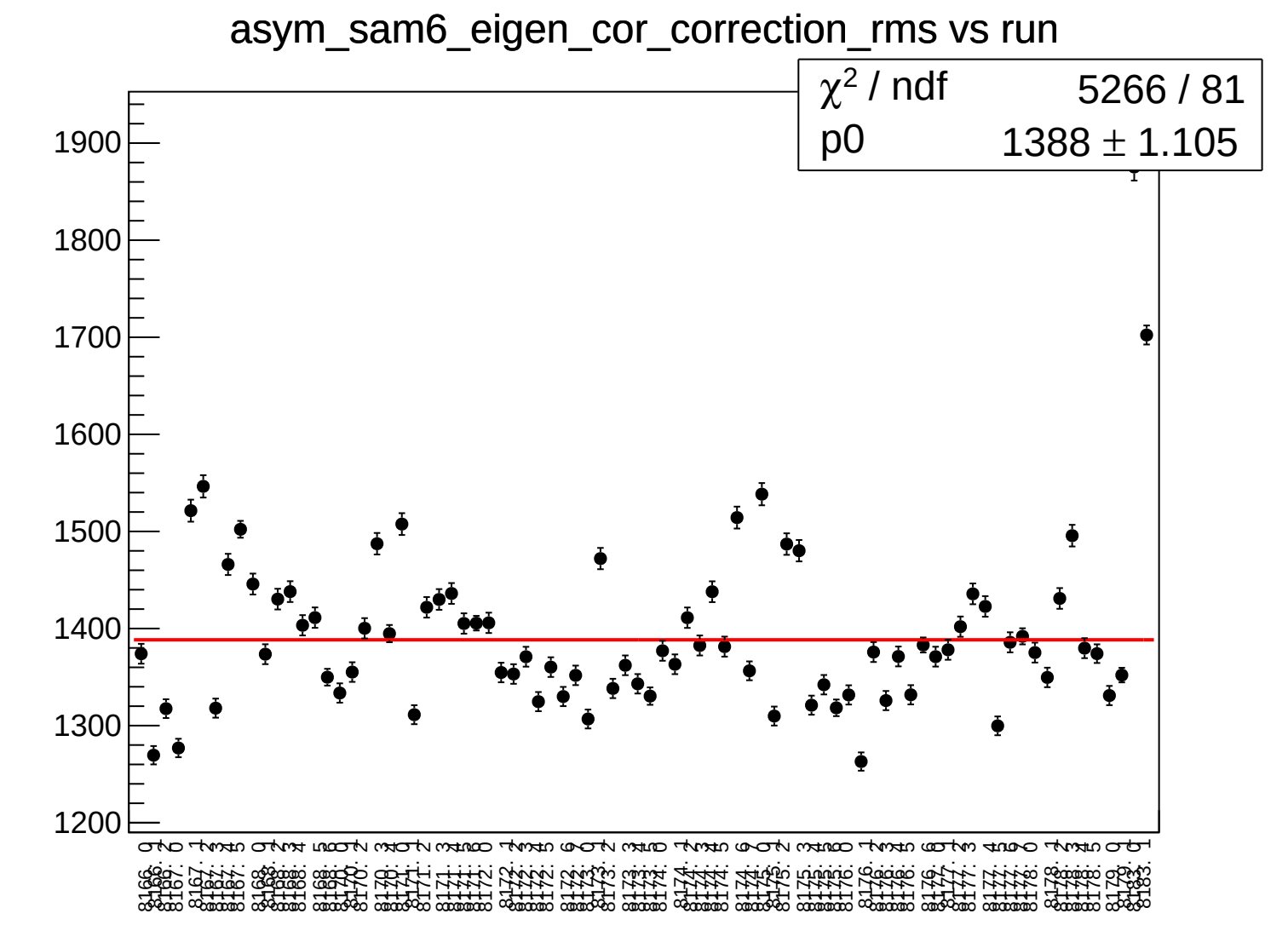

eigen_cor_asym_sam6_mean vs run
χ² / ndf 88.06 / 81
p0 −174.3 ± 149.7
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −52.99
Std Dev 0
2
1
0
−1
−2
−3

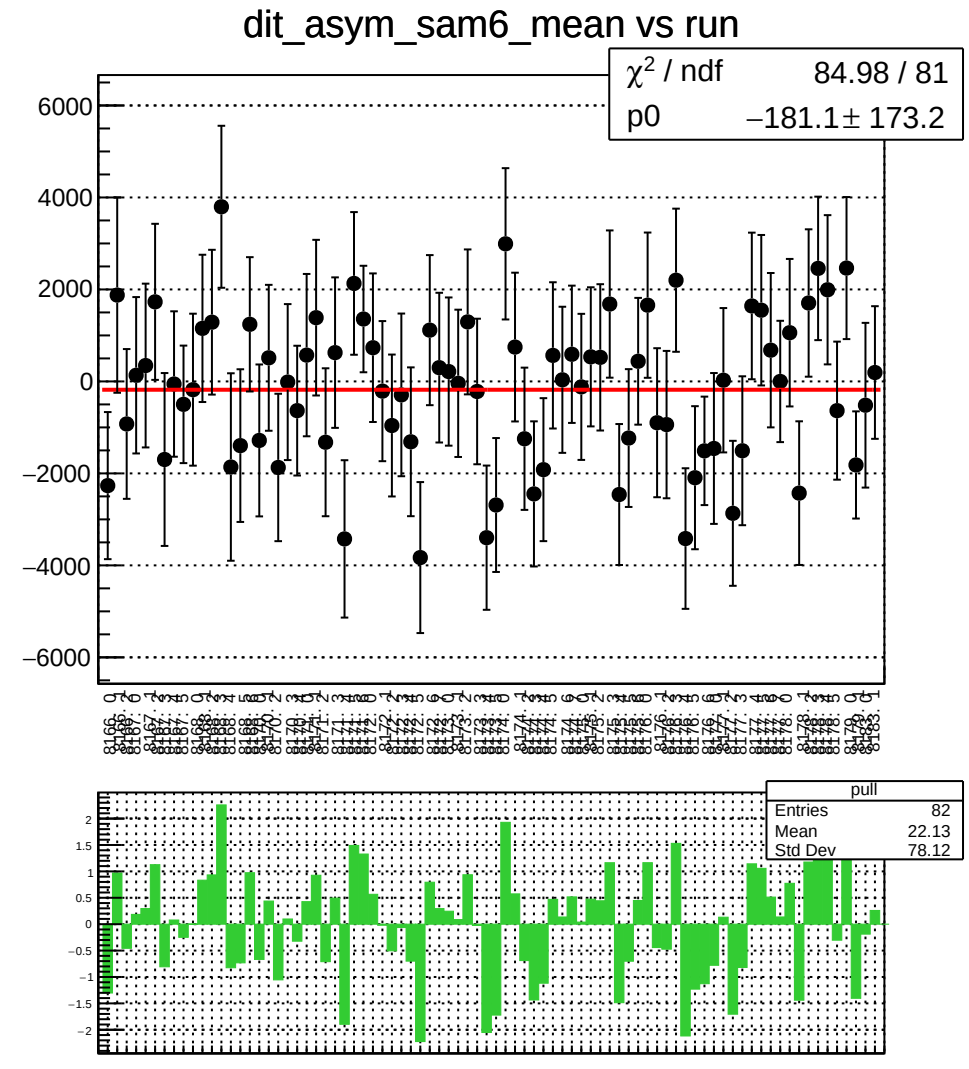

pull1D
Entries 82
Mean 0.01633
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

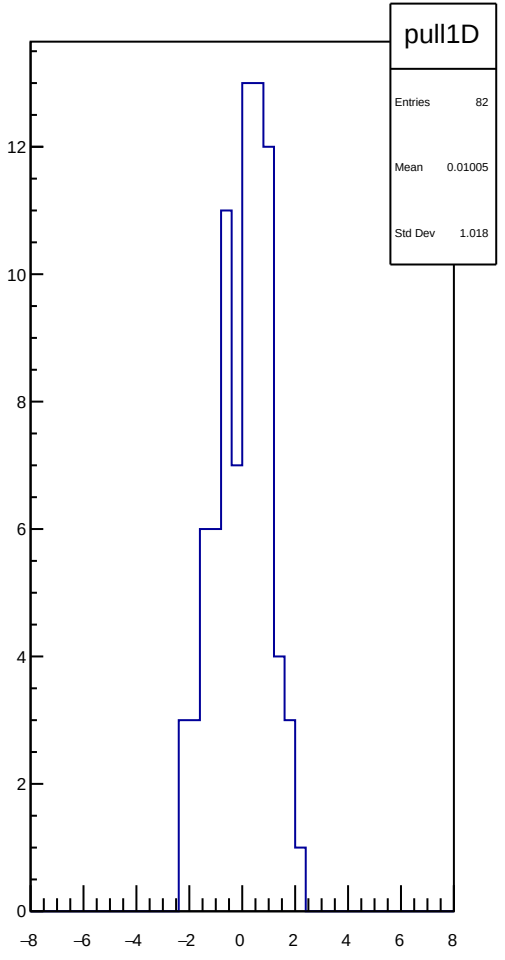

eigen_cor_asym_sam6_rms vs run
χ² / ndf 4656 / 81
p0 133 ± 0.1058
180
170
160
150
140
130
120

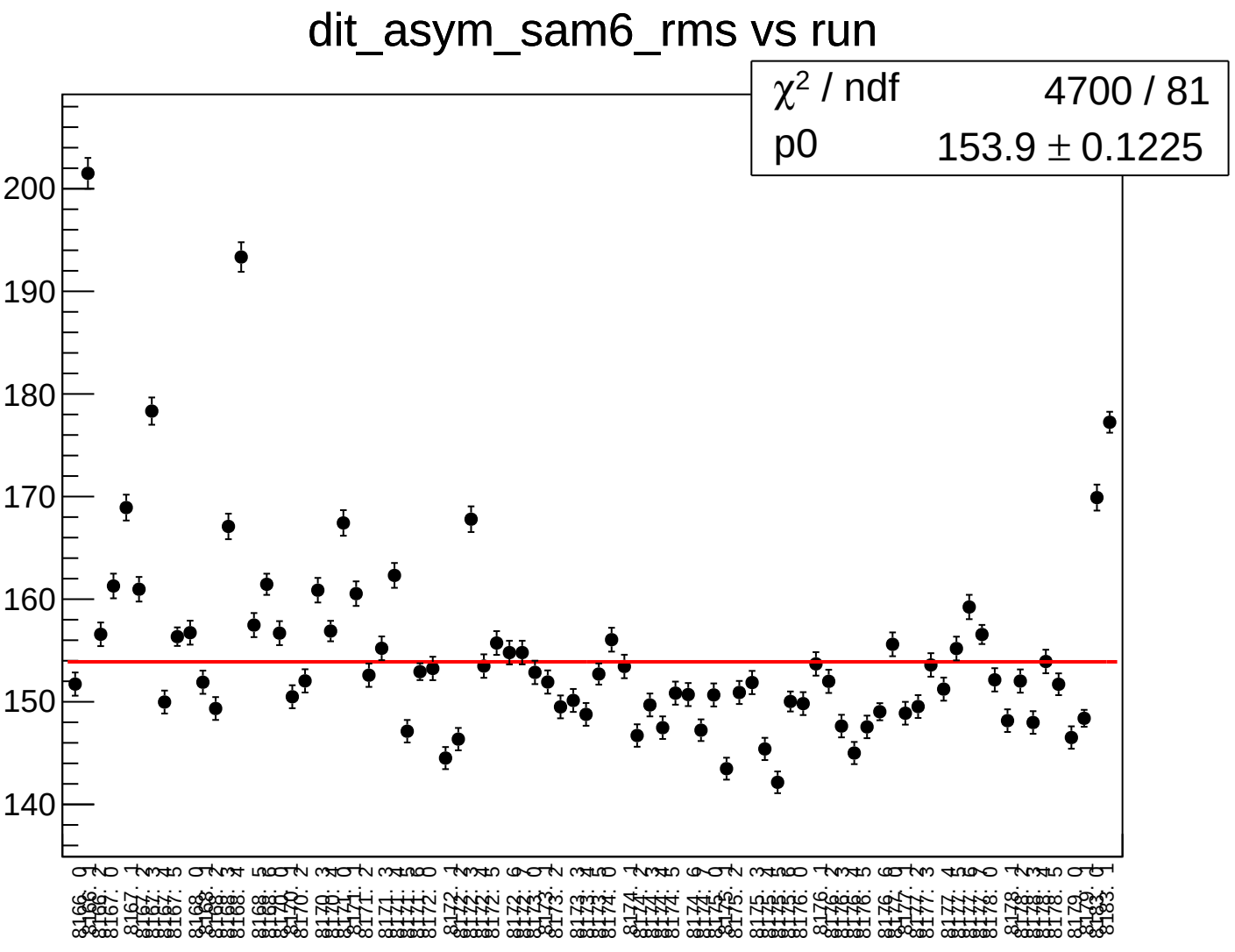

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 91.84 / 81
p0 2342 ± 1563
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −37.38
Std Dev 0
2
1
0
−1
−2

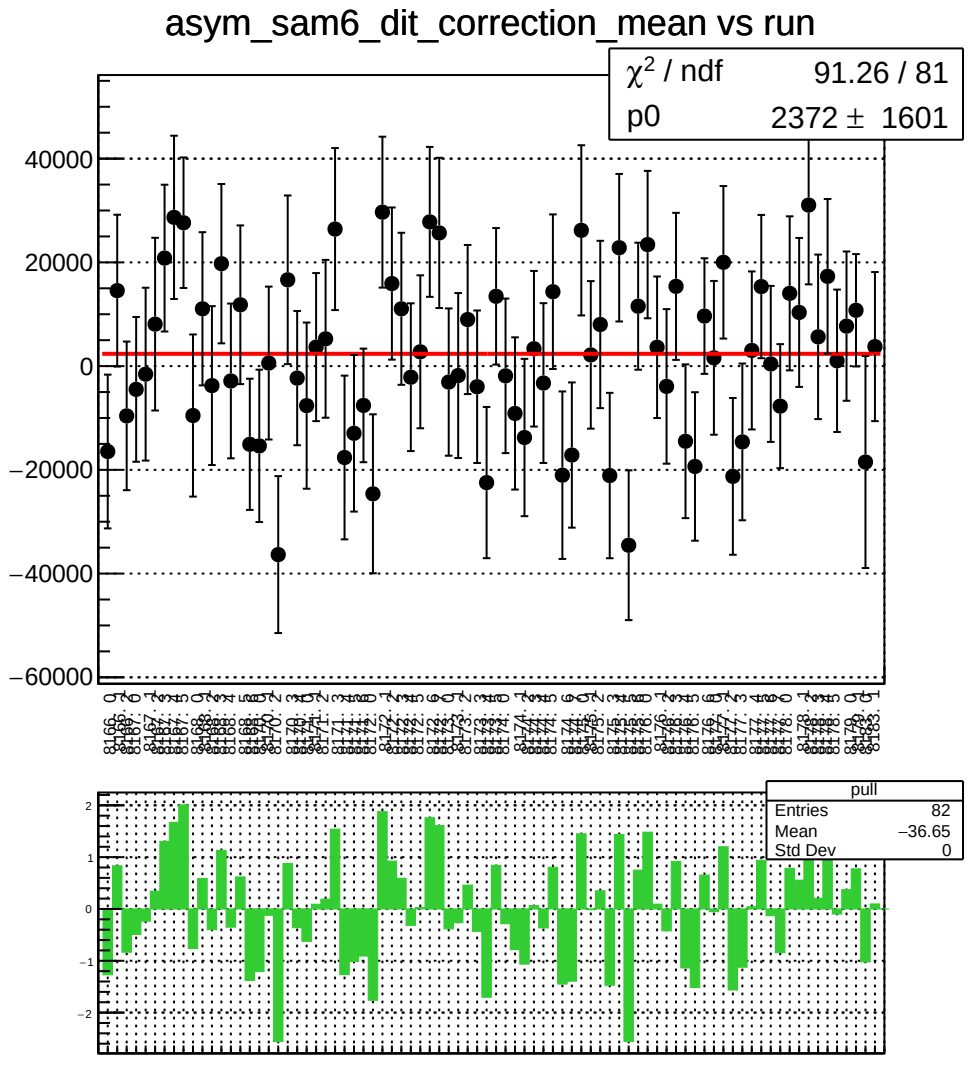

pull1D
Entries 82
Mean −0.008409
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

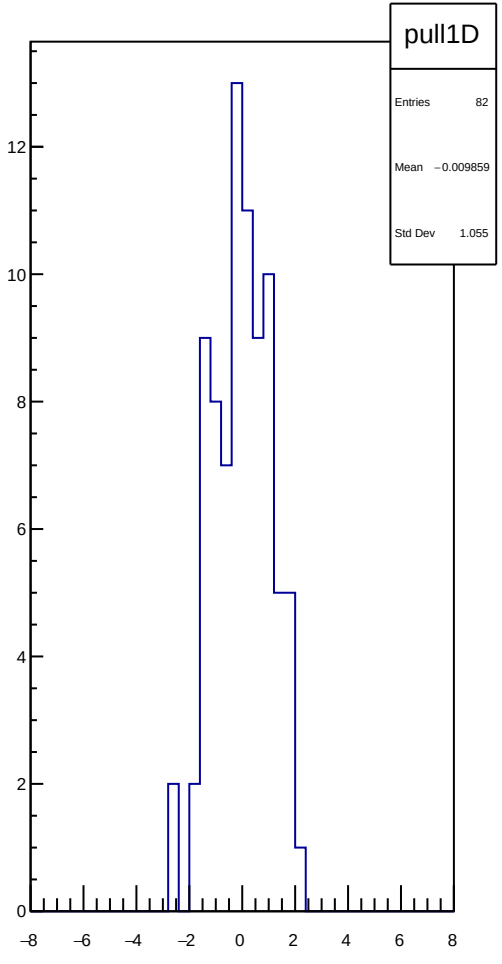

asym_sam6_eigen_cor_correction_rms vs run
χ^2 / ndf 5266 / 81
p0 1388 ± 1.105
1900
1800
1700
1600
1500
1400
1300
1200

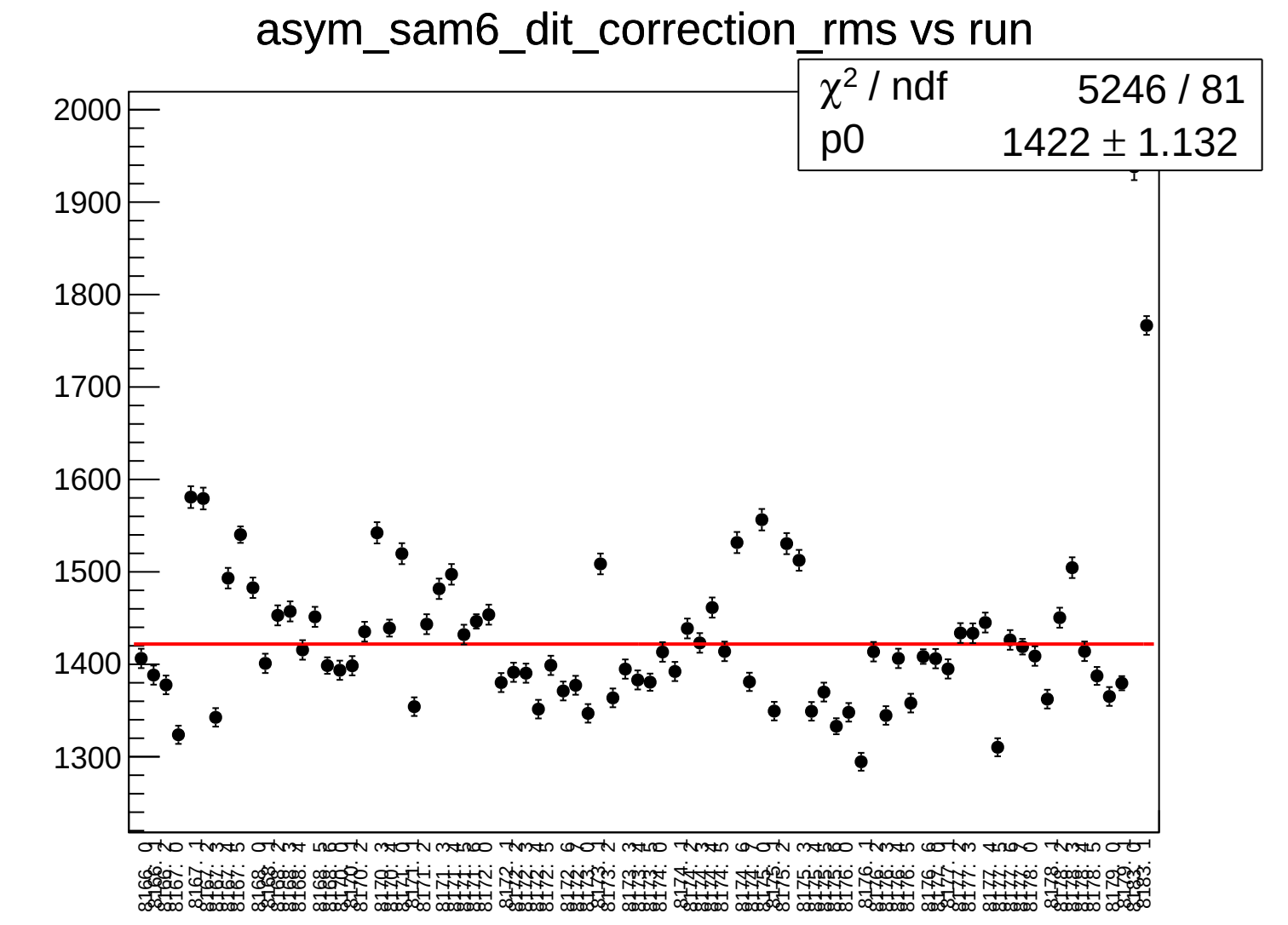

dit_asym_sam6_mean vs run
χ² / ndf 84.98 / 81
p0 −181.1± 173.2
pull
Entries 82
Mean 22.13
Std Dev 78.12

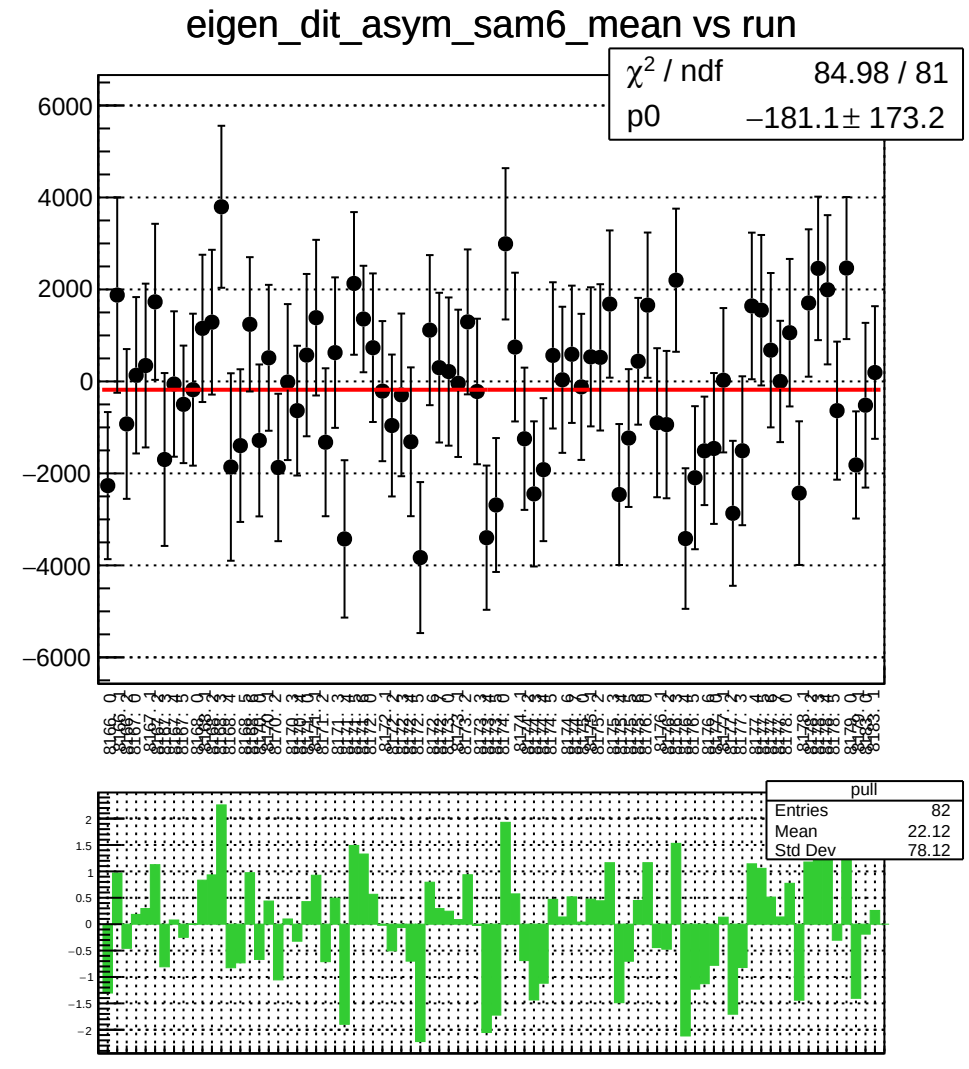

pull1D
Entries 82
Mean 0.01005
Std Dev 1.018

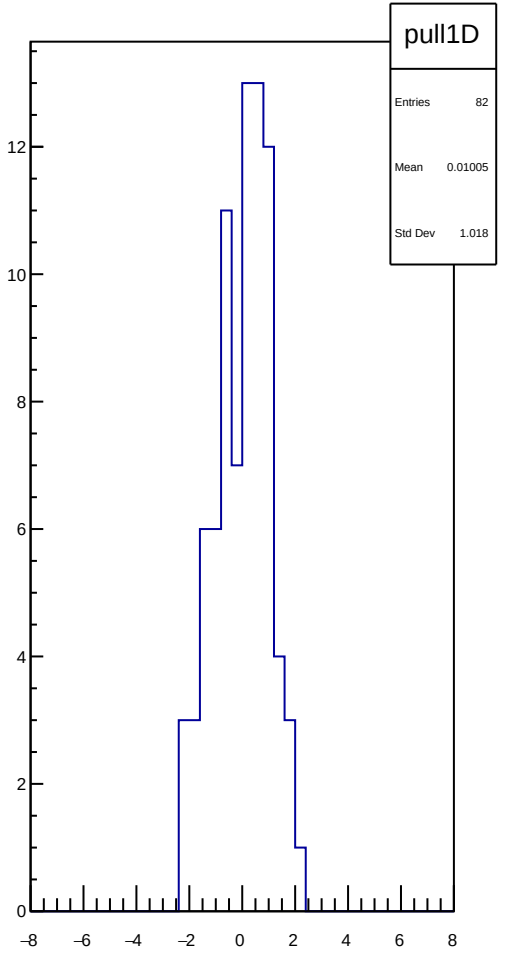

dit_asym_sam6_rms vs run
χ² / ndf 4700 / 81
p0 153.9 ± 0.1225
200
190
180
170
160
150
140

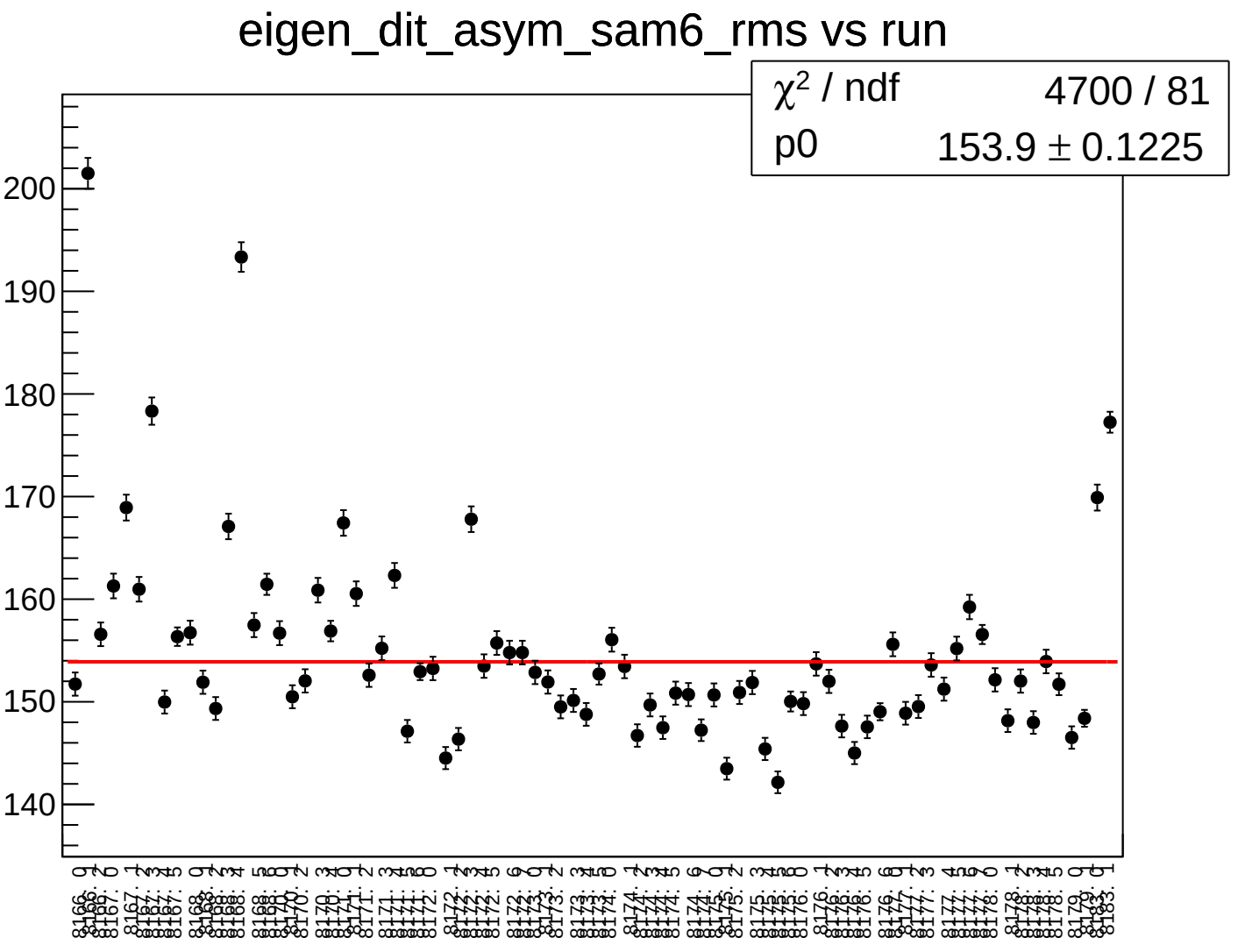

asym_sam6_dit_correction_mean vs run
χ² / ndf 91.26 / 81
p0 2372 ± 1601
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −36.65
Std Dev 0
2
1
0
−1
−2

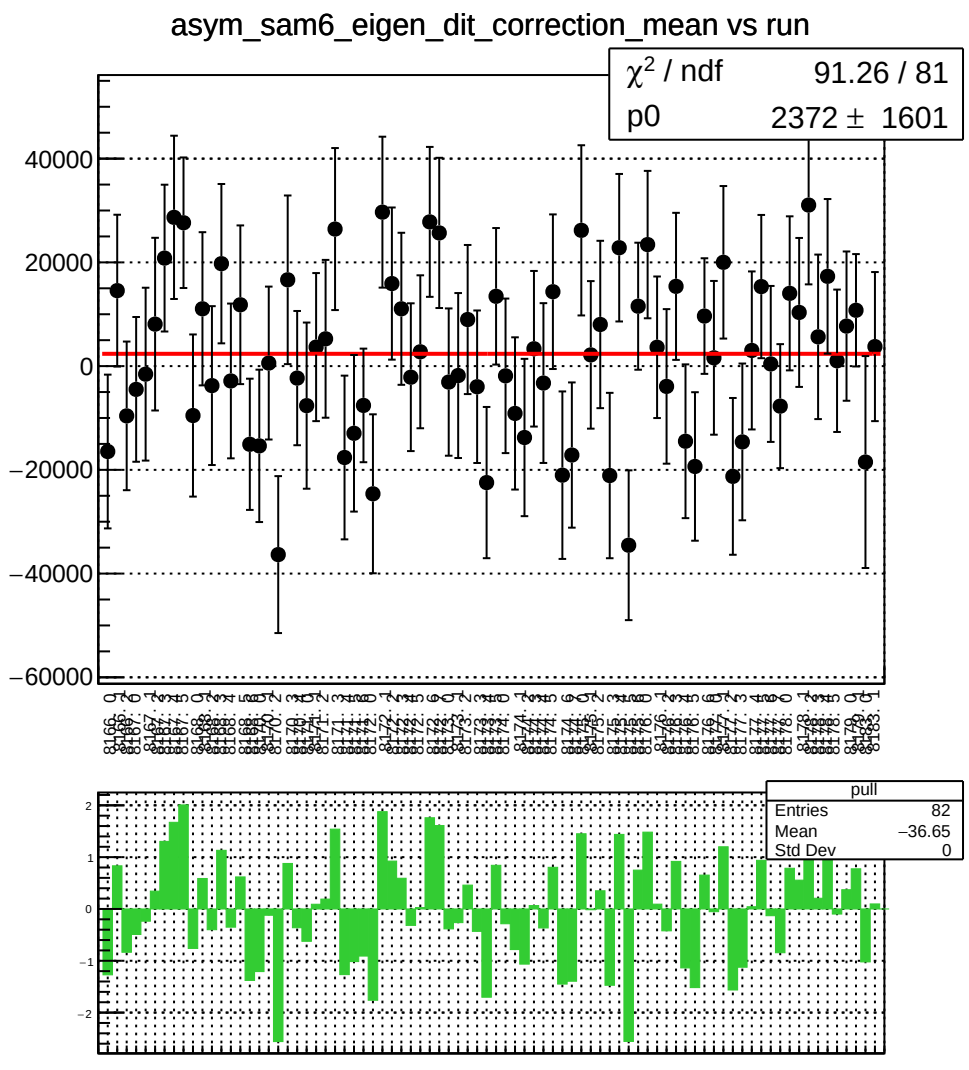

pull1D
Entries 82
Mean −0.009859
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

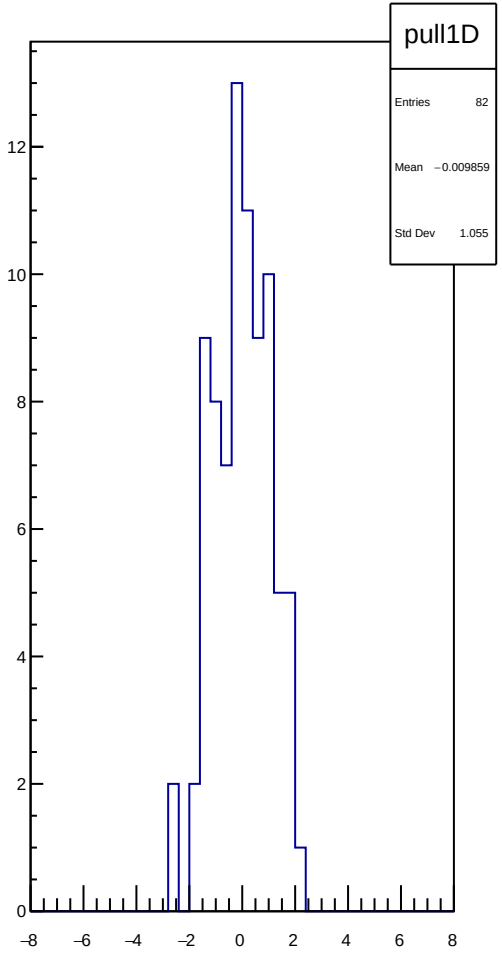

asym_sam6_dit_correction_rms vs run
χ^2 / ndf 5246 / 81
p0 1422 ± 1.132
2000
1900
1800
1700
1600
1500
1400
1300

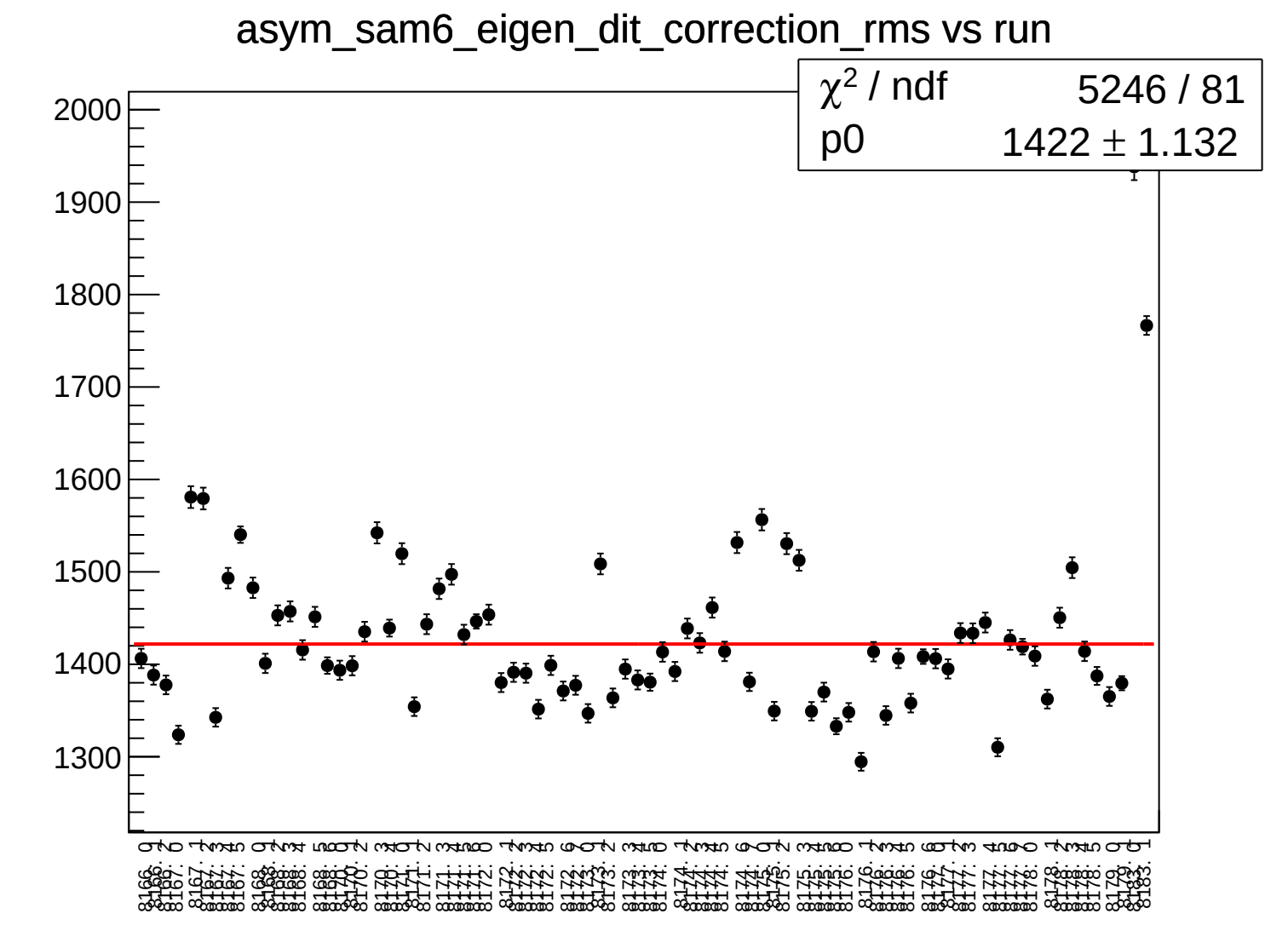

eigen_dit_asym_sam6_mean vs run
χ² / ndf 84.98 / 81
p0 −181.1± 173.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 22.12
Std Dev 78.12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

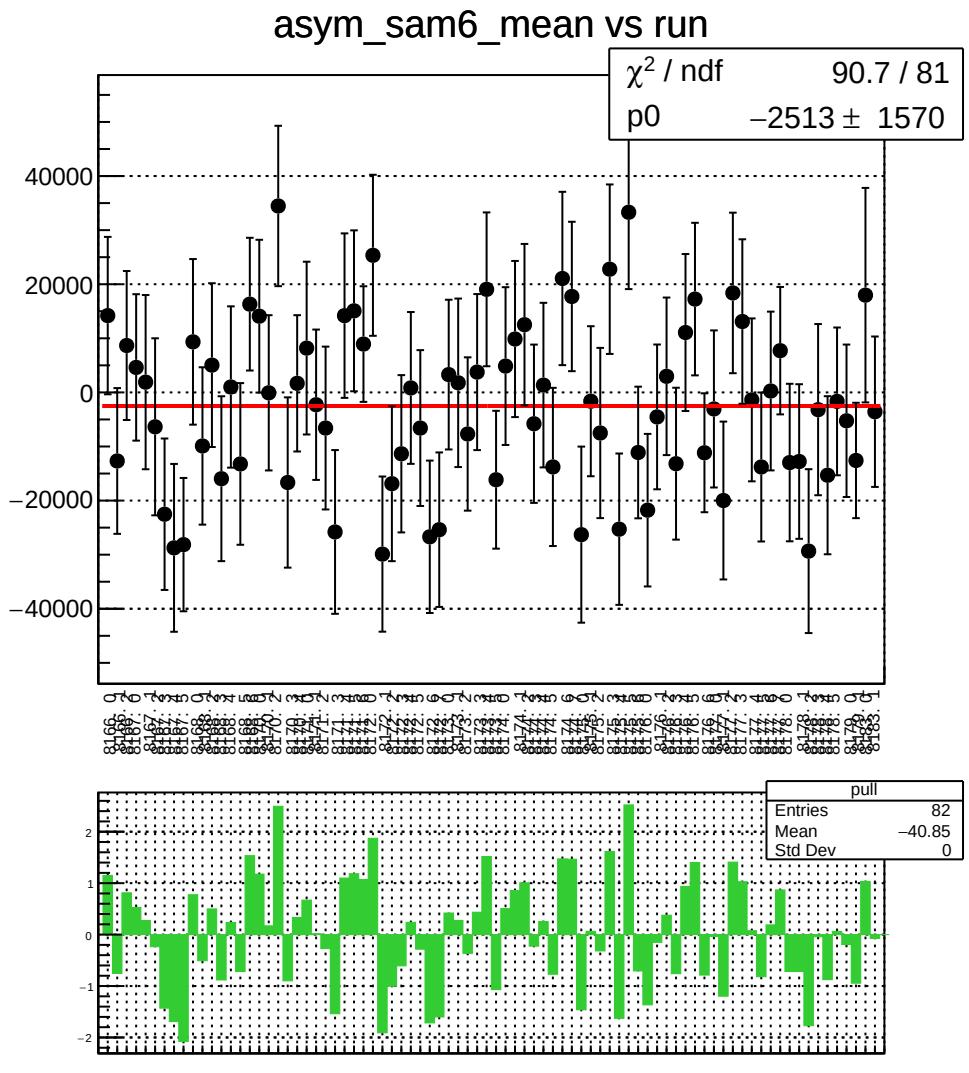

pull1D
Entries 82
Mean 0.01005
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

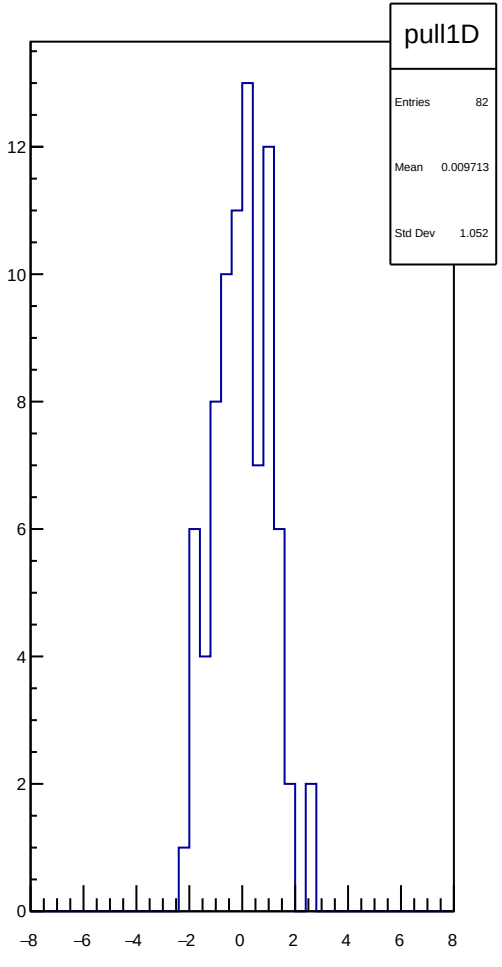

eigen_dit_asym_sam6_rms vs run
χ² / ndf 4700 / 81
p0 153.9 ± 0.1225
200
190
180
170
160
150
140

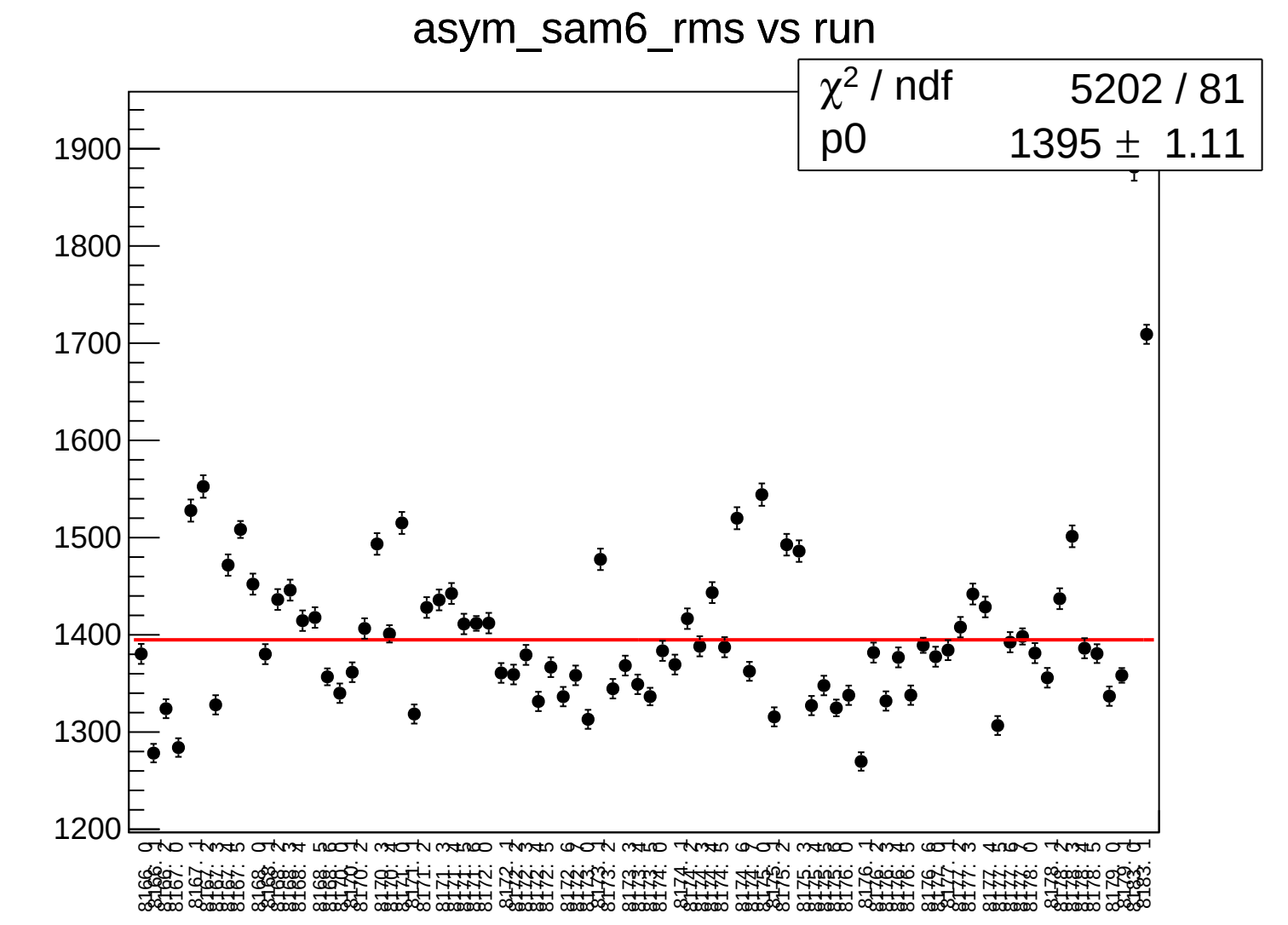

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 91.26 / 81
p0 2372 ± 1601
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −36.65
Std Dev 0
2
1
0
−1
−2

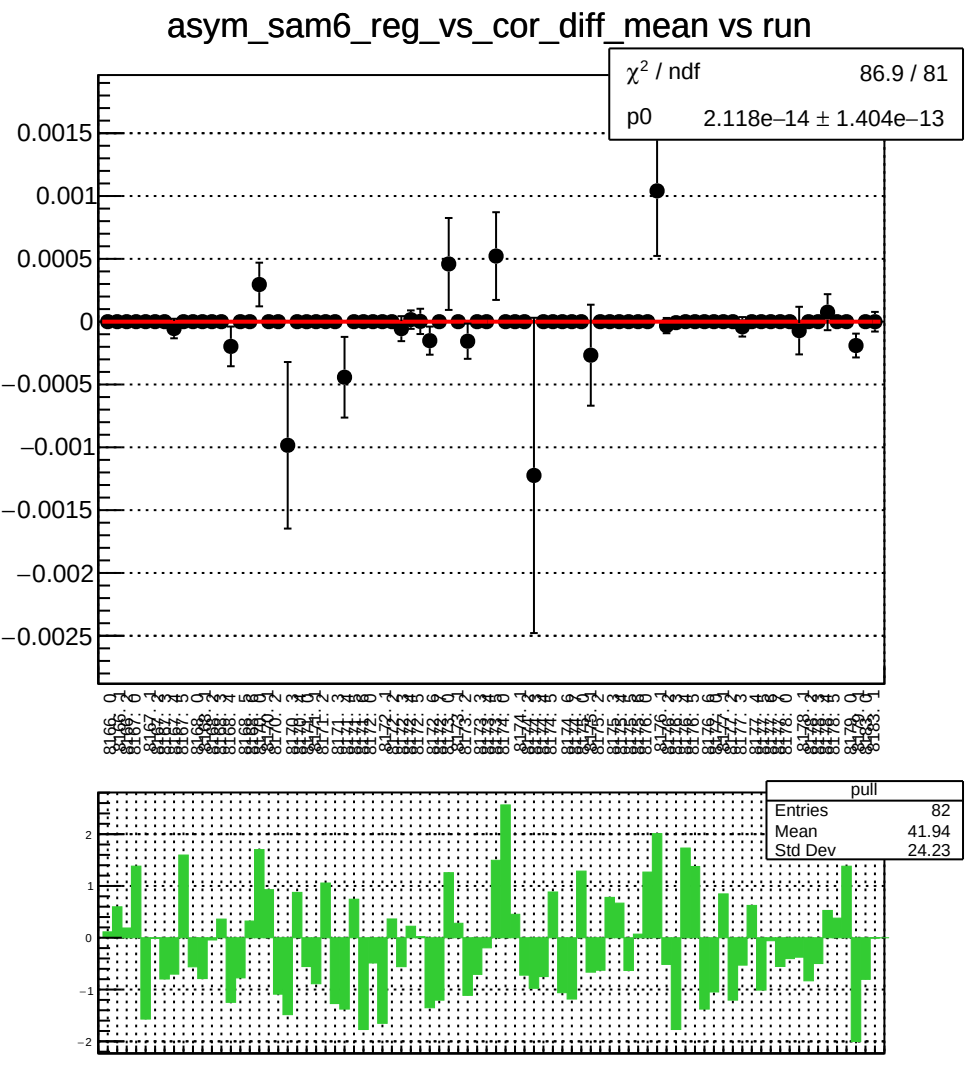

pull1D
Entries 82
Mean −0.009859
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

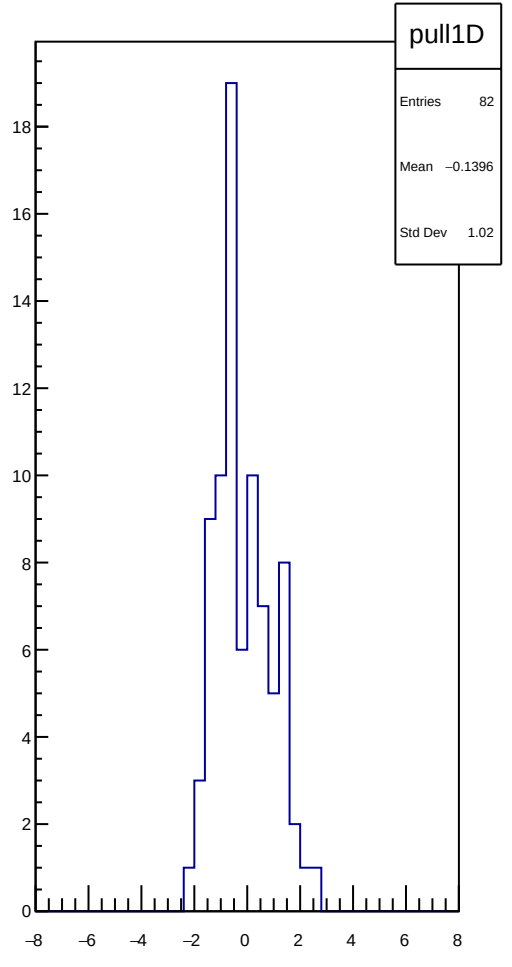

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 5246 / 81
p0 1422 ± 1.132
2000
1900
1800
1700
1600
1500
1400
1300

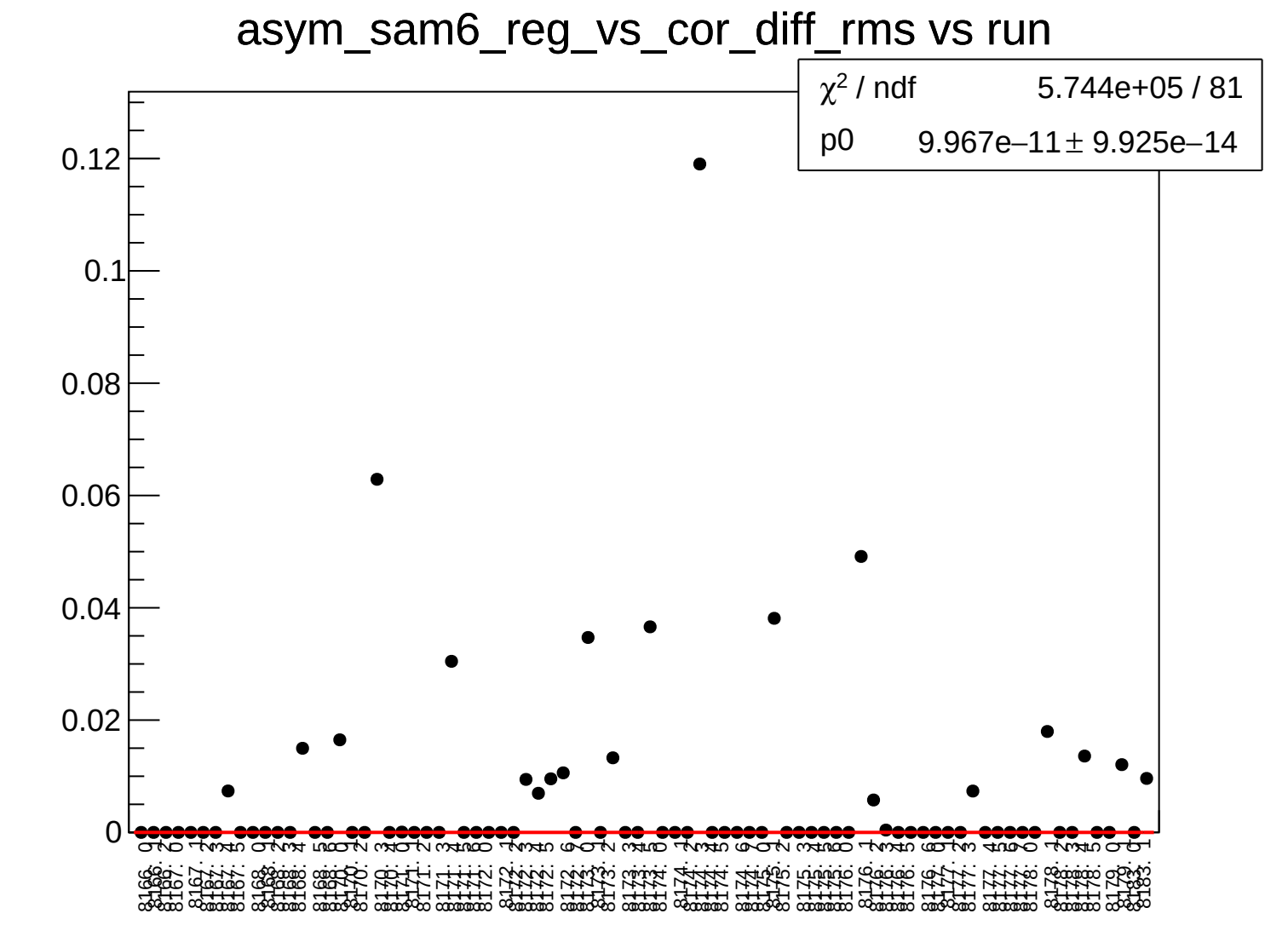

asym_sam6_mean vs run
χ² / ndf 90.7 / 81
p0 −2513 ± 1570
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −40.85
Std Dev 0
2
1
0
−1
−2

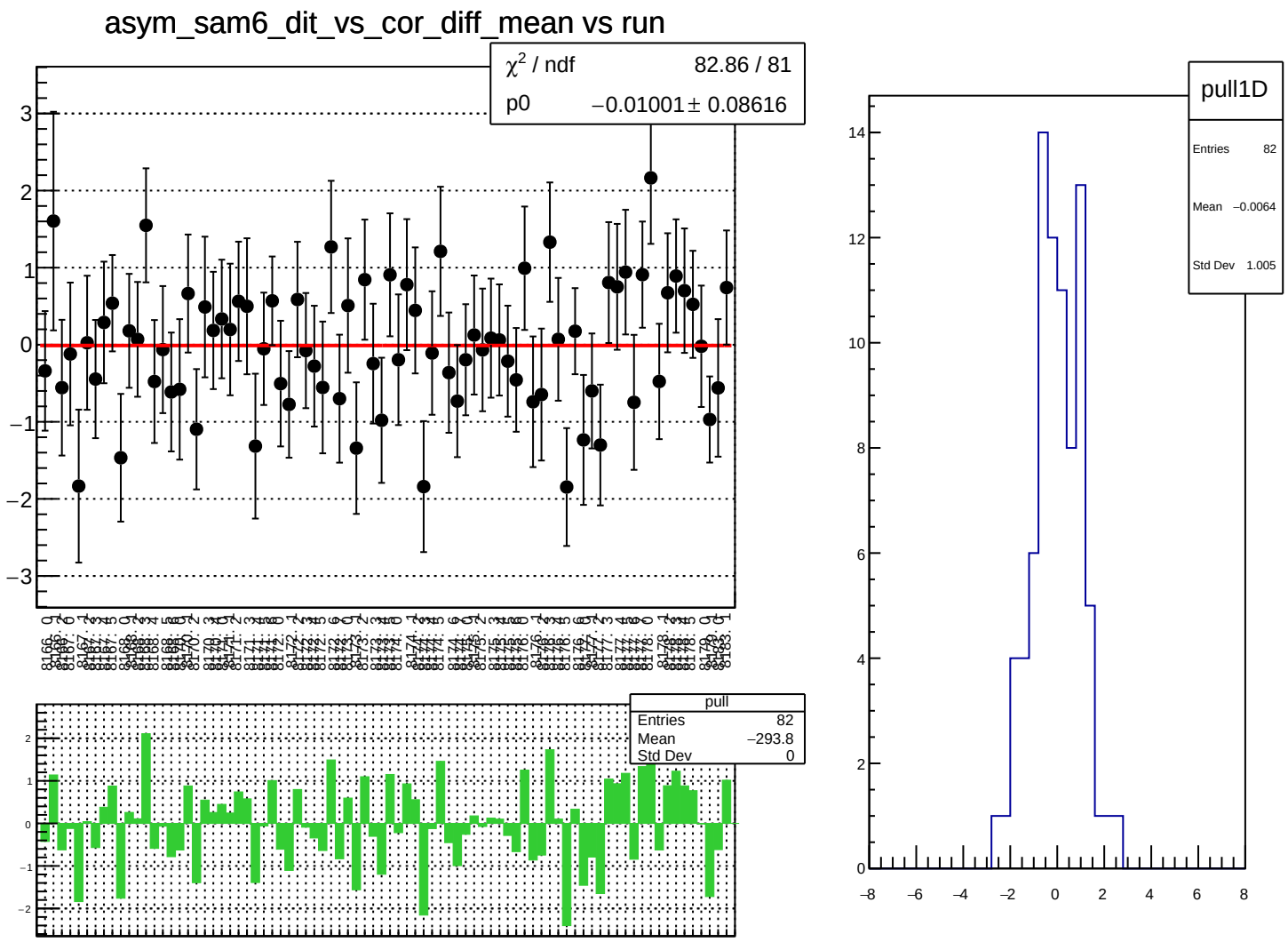

pull1D
Entries 82
Mean 0.009713
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

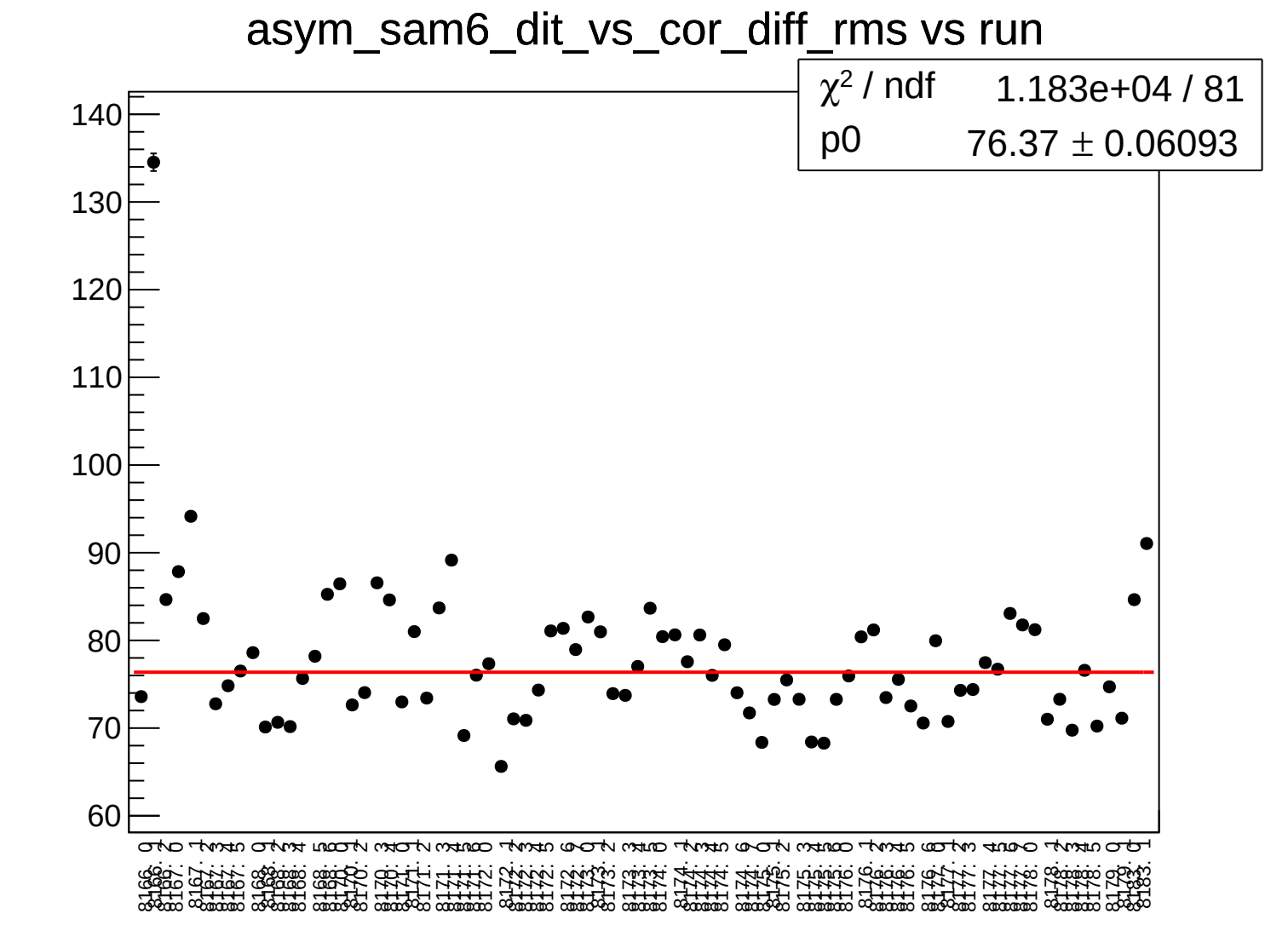

asym_sam6_rms vs run
χ² / ndf 5202 / 81
p0 1395 ± 1.11
1900
1800
1700
1600
1500
1400
1300
1200

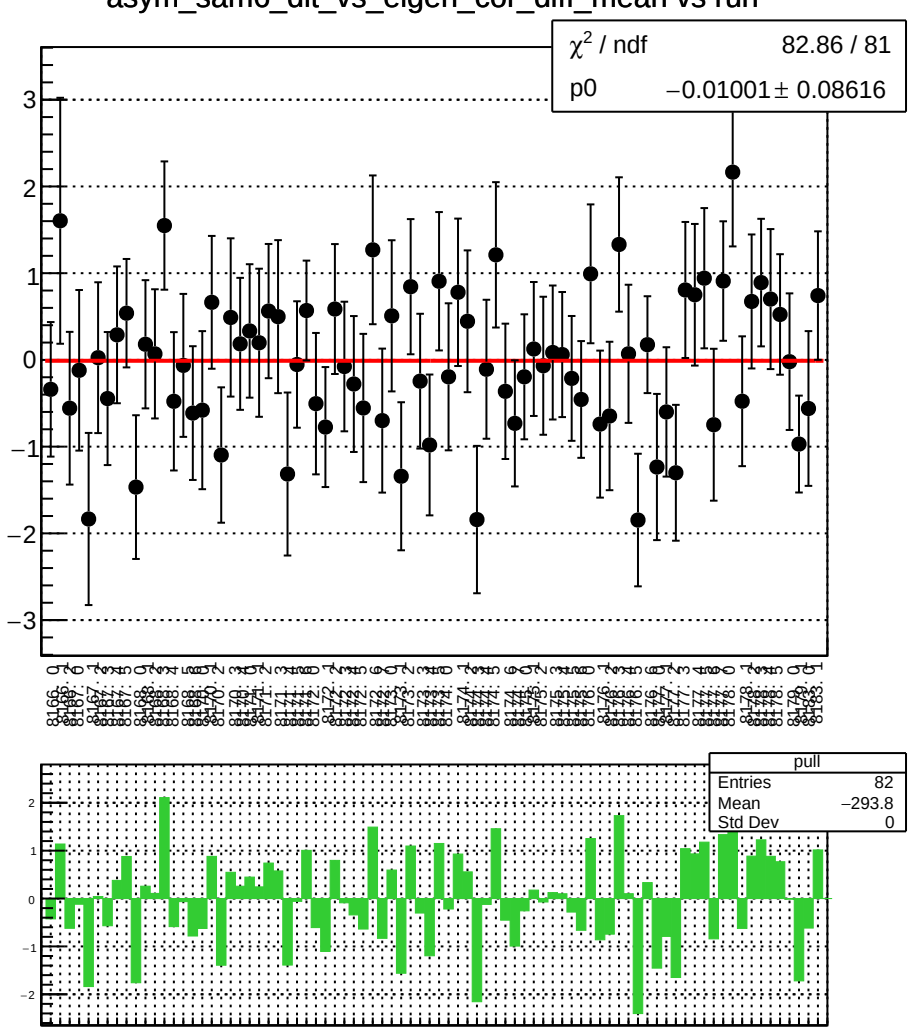

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 86.9 / 81
p0 2.118e−14 ± 1.404e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 82
Mean 41.94
Std Dev 24.23
2
1
0
−1
−2

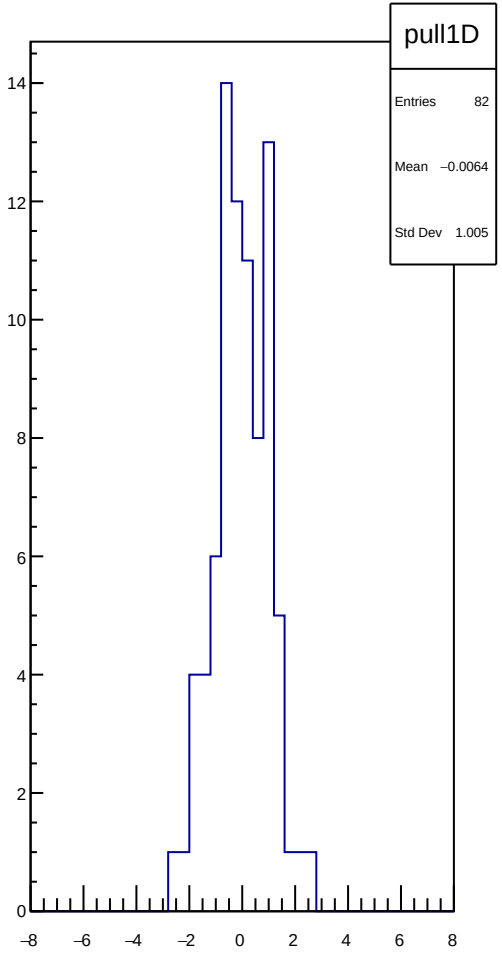

pull1D
Entries 82
Mean −0.1396
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

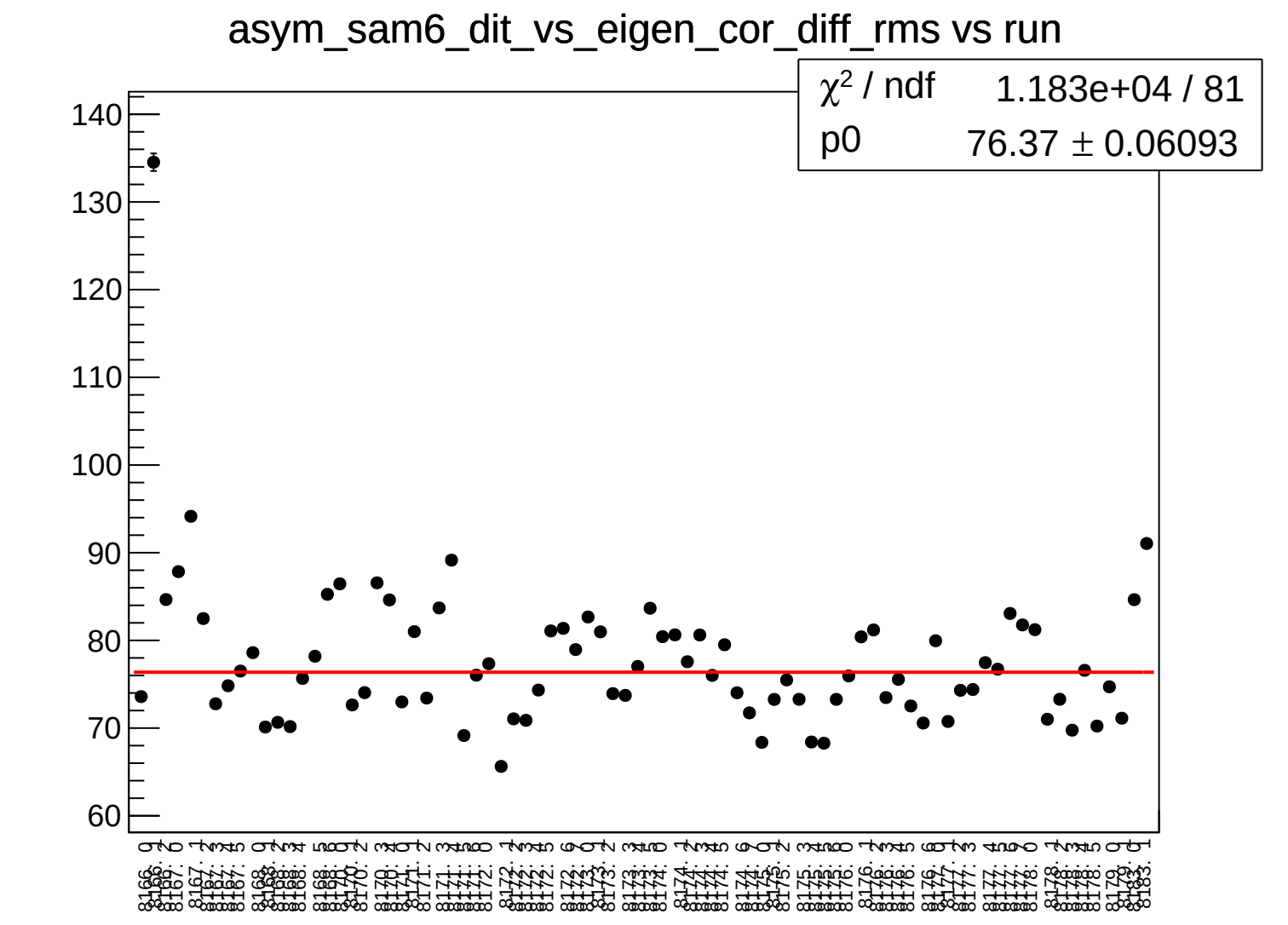

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 5.744e+05 / 81
p0 9.967e−11 ± 9.925e−14
0.12
0.1
0.08
0.06
0.04
0.02
0

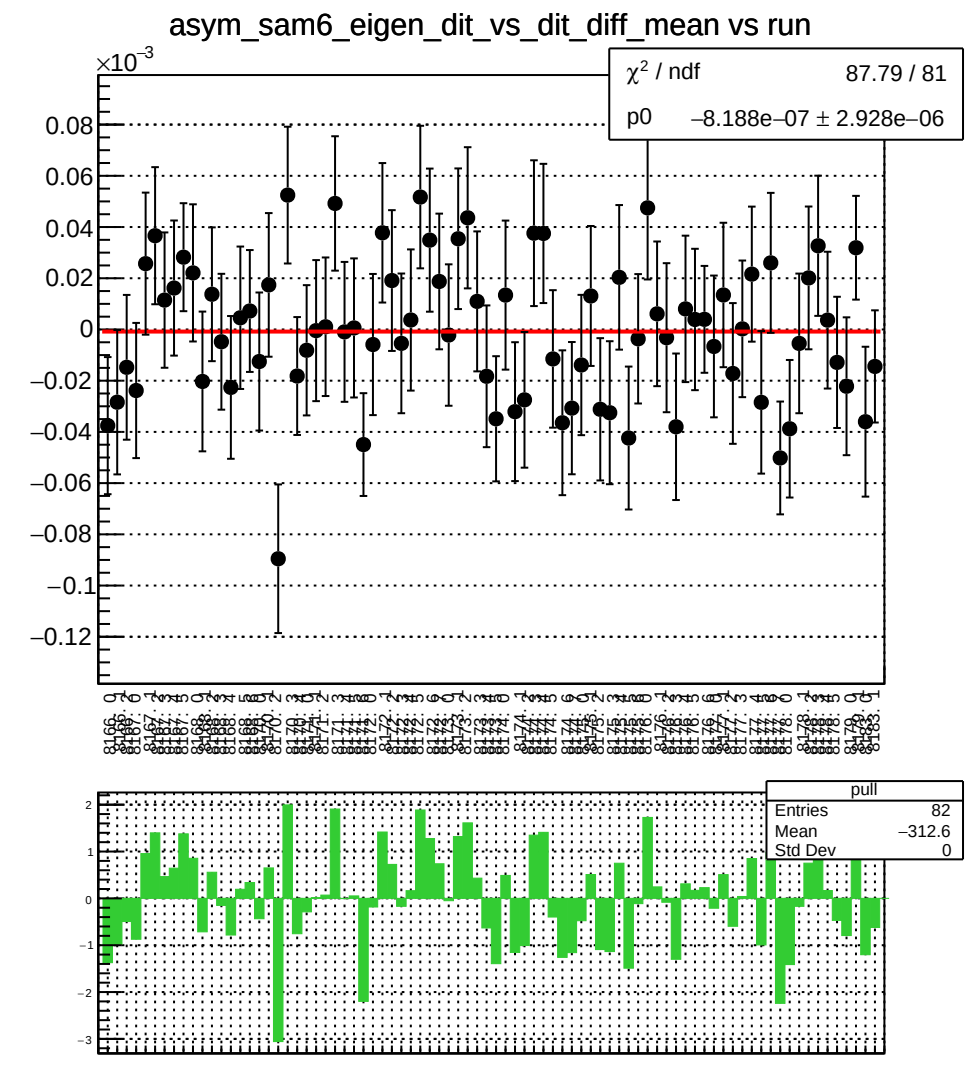

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 82.86 / 81
p0 −0.01001 ± 0.08616
pull
Entries 82
Mean −293.8
Std Dev 0
pull1D
Entries 82
Mean −0.0064
Std Dev 1.005

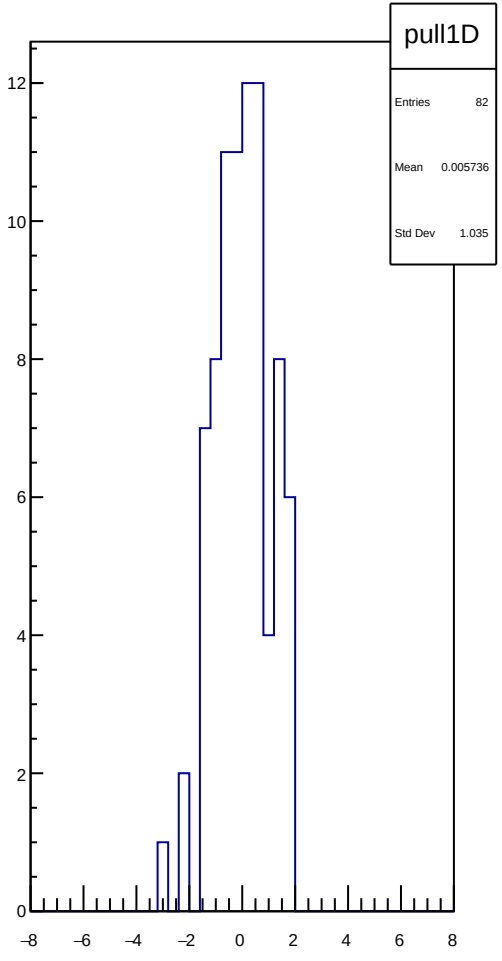

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 1.183e+04 / 81
p0 76.37 ± 0.06093
140
130
120
110
100
90
80
70
60

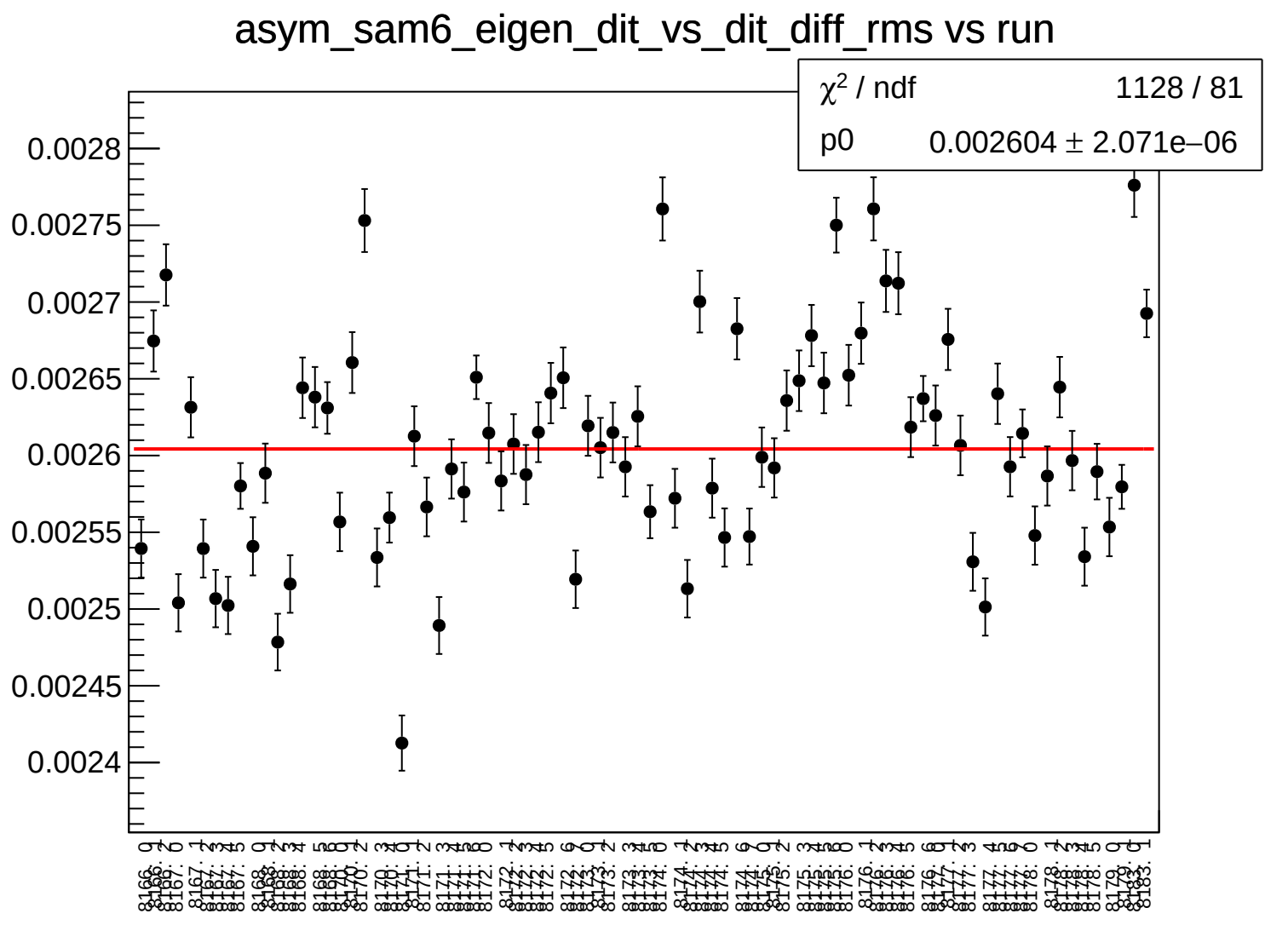

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.86 / 81
p0 −0.01001 ± 0.08616
pull
Entries 82
Mean −293.8
Std Dev 0

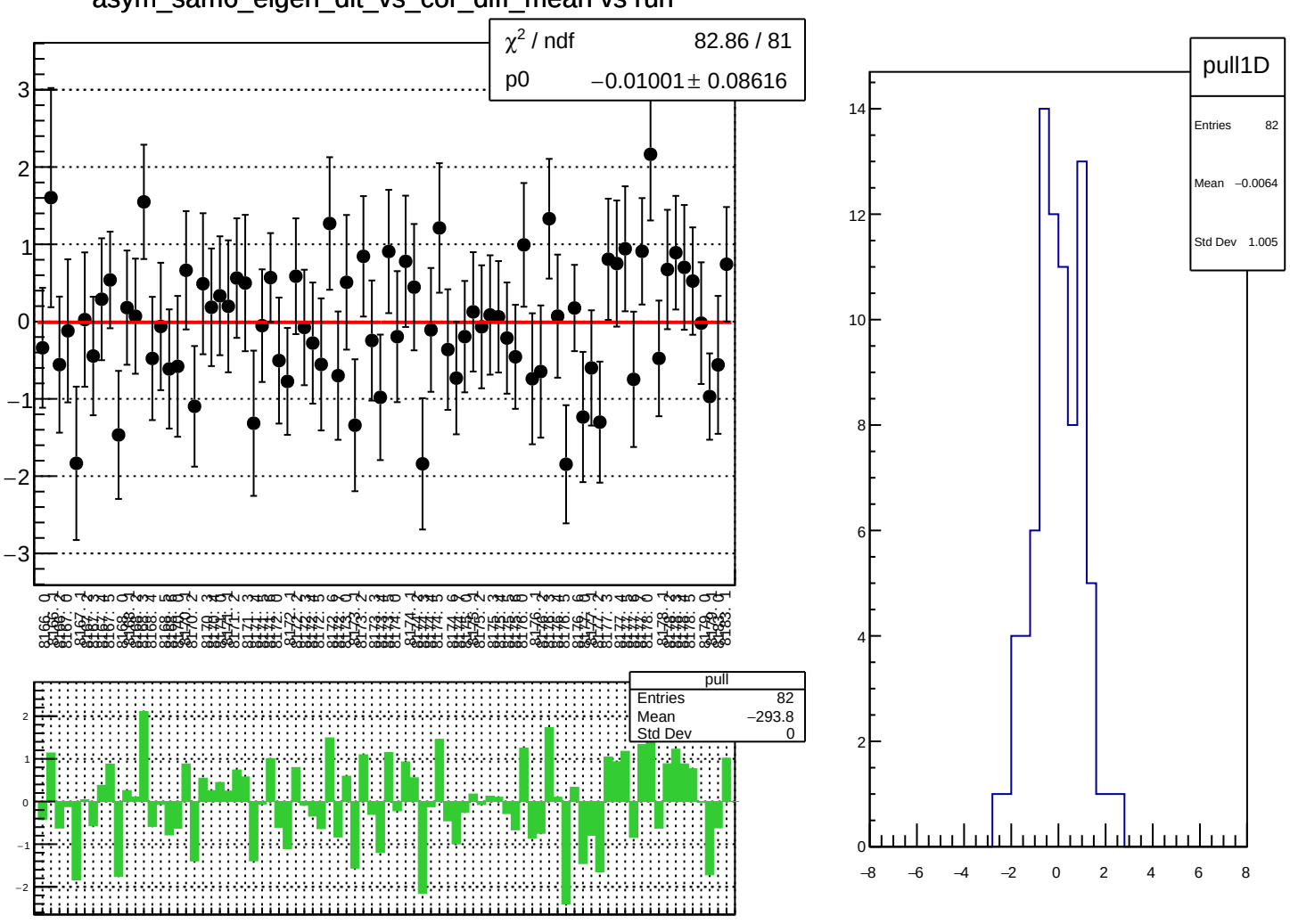

pull1D
Entries 82
Mean −0.0064
Std Dev 1.005

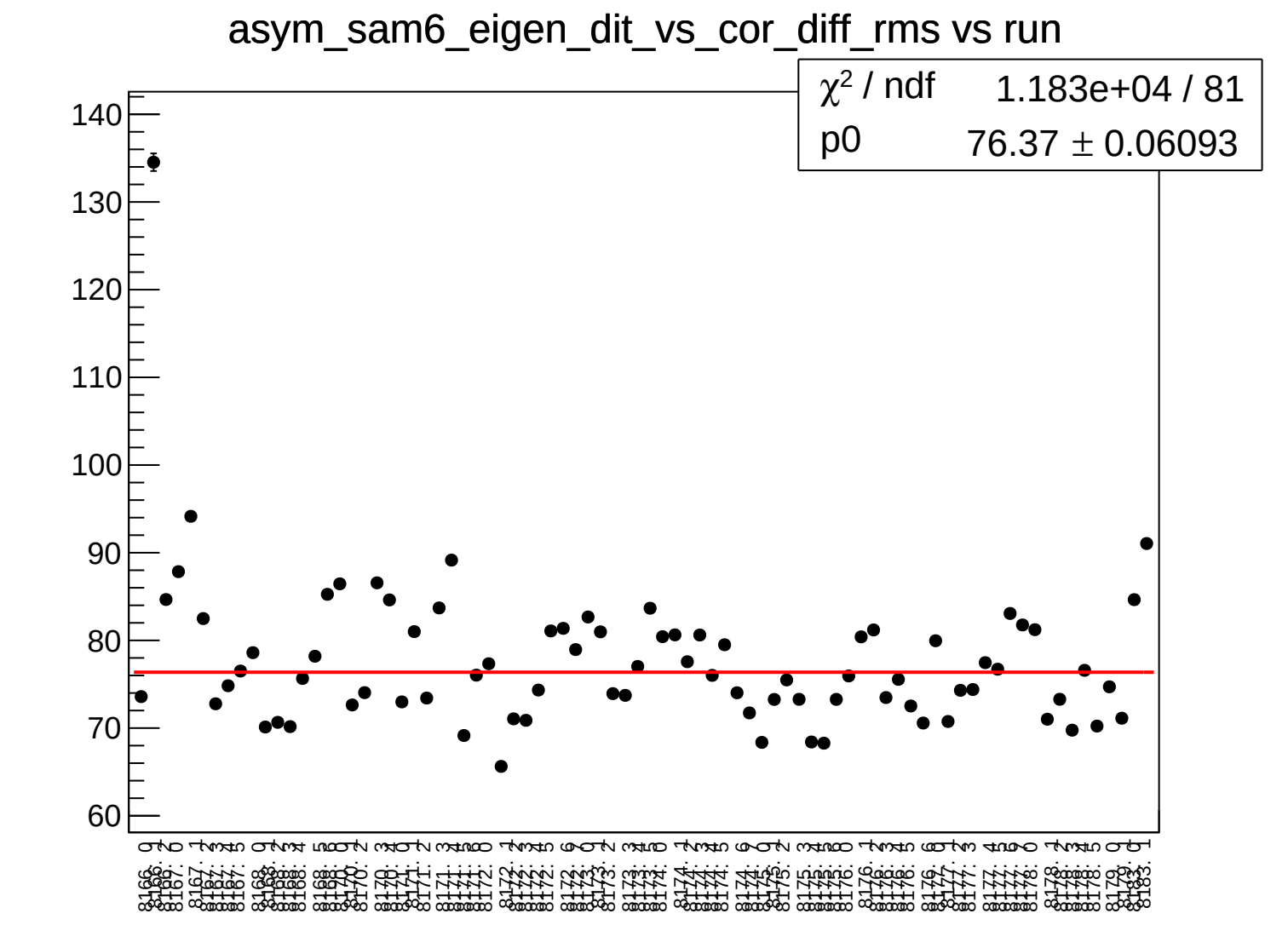

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.183e+04 / 81
p0 76.37 ± 0.06093
140
130
120
110
100
90
80
70
60

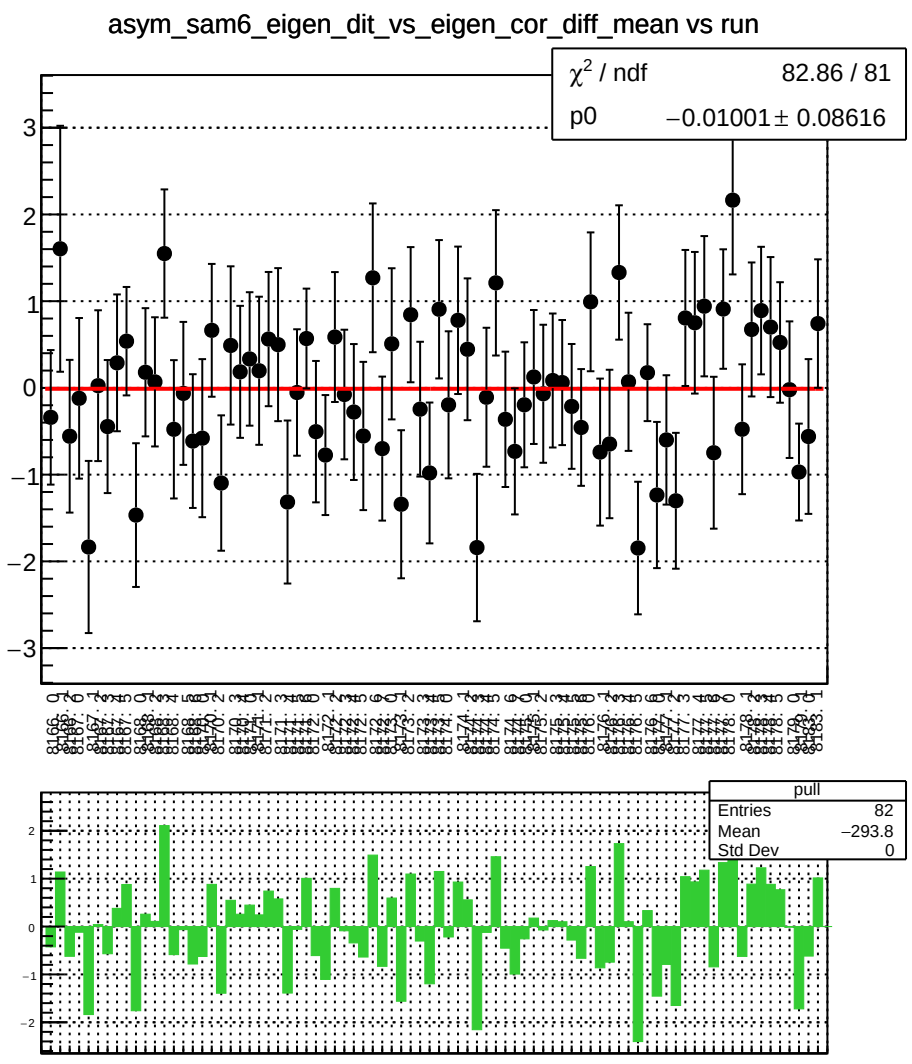

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.79 / 81
p0 −8.188e−07 ± 2.928e−06
pull
Entries 82
Mean −312.6
Std Dev 0

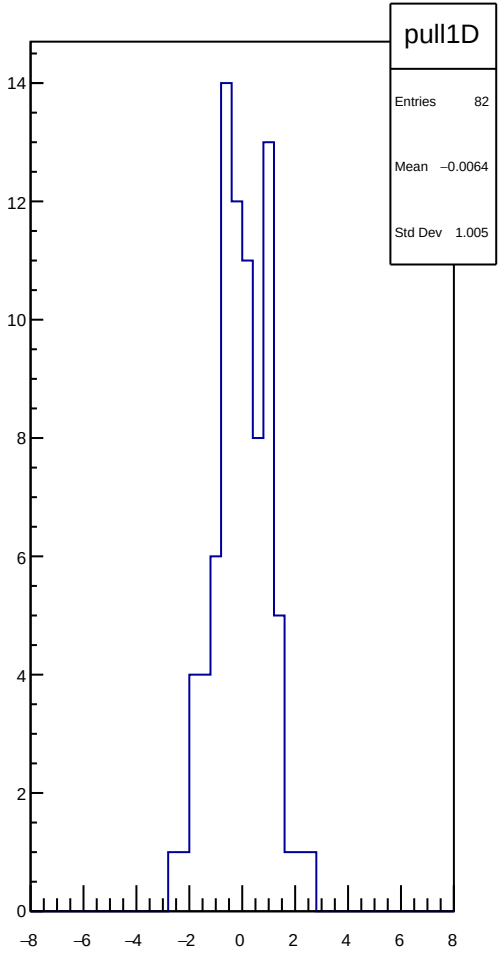

pull1D
Entries 82
Mean 0.005736
Std Dev 1.035

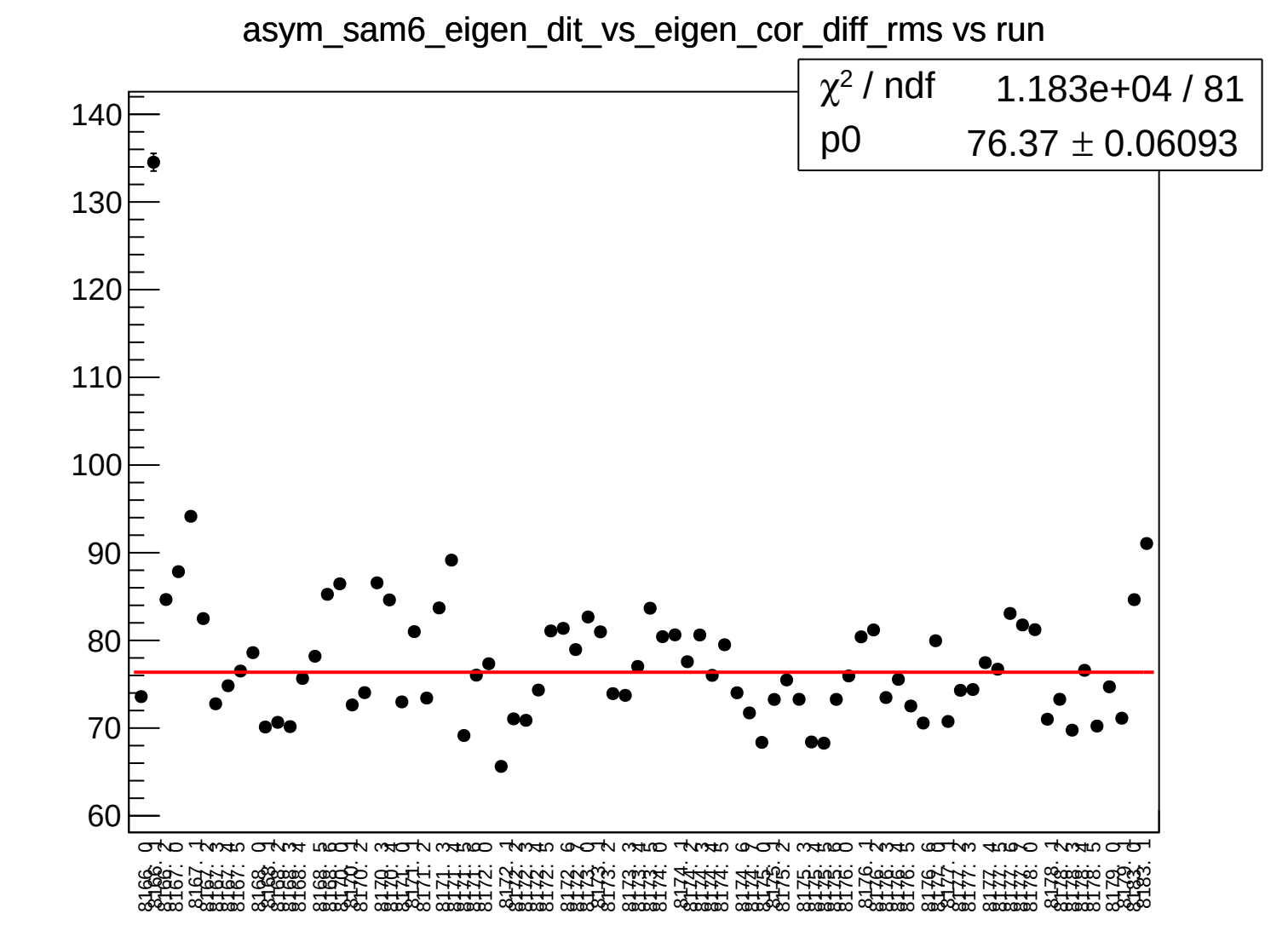

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1128 / 81
p0 0.002604 ± 2.071e−06
0.0028
0.00275
0.0027
0.00265
0.0026
0.00255
0.0025
0.00245
0.0024

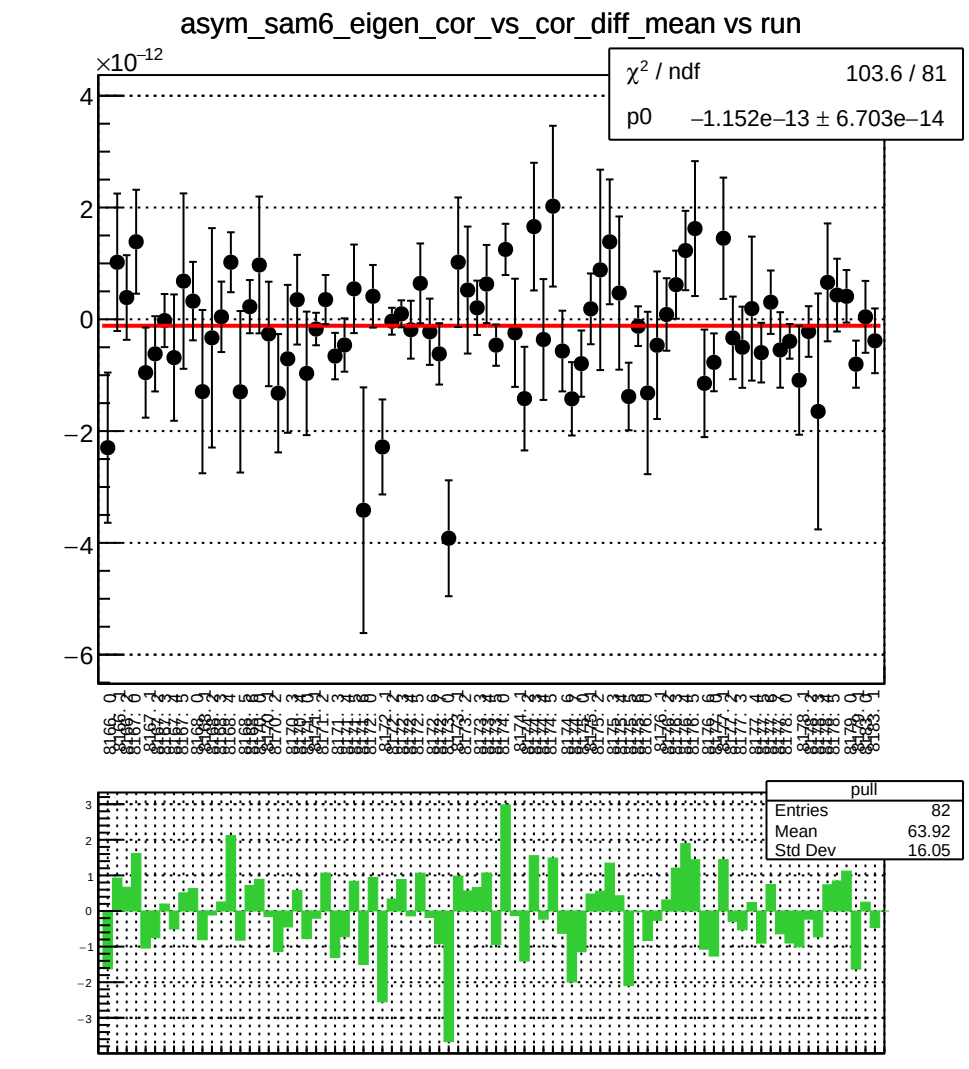

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.86 / 81
p0 −0.01001 ± 0.08616
pull
Entries 82
Mean −293.8
Std Dev 0
pull1D
Entries 82
Mean −0.0064
Std Dev 1.005

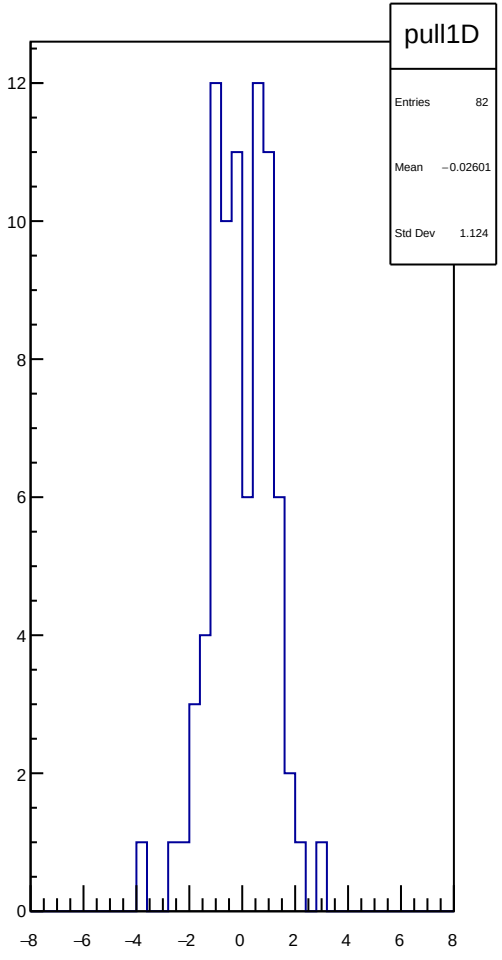

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.183e+04 / 81
p0 76.37 ± 0.06093
140
130
120
110
100
90
80
70
60

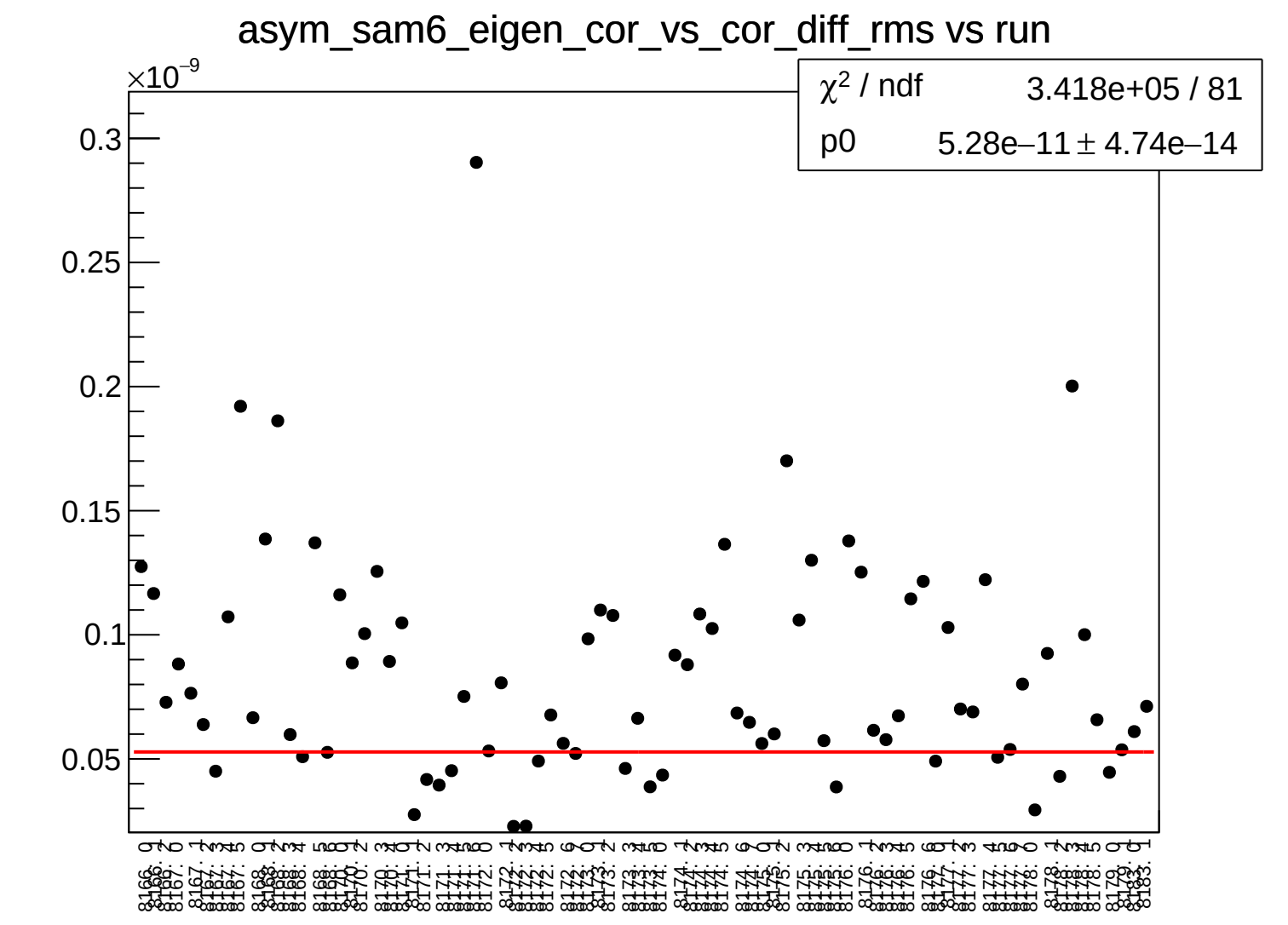

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.86 / 81
p0 −0.01001 ± 0.08616
pull
Entries 82
Mean −293.8
Std Dev 0

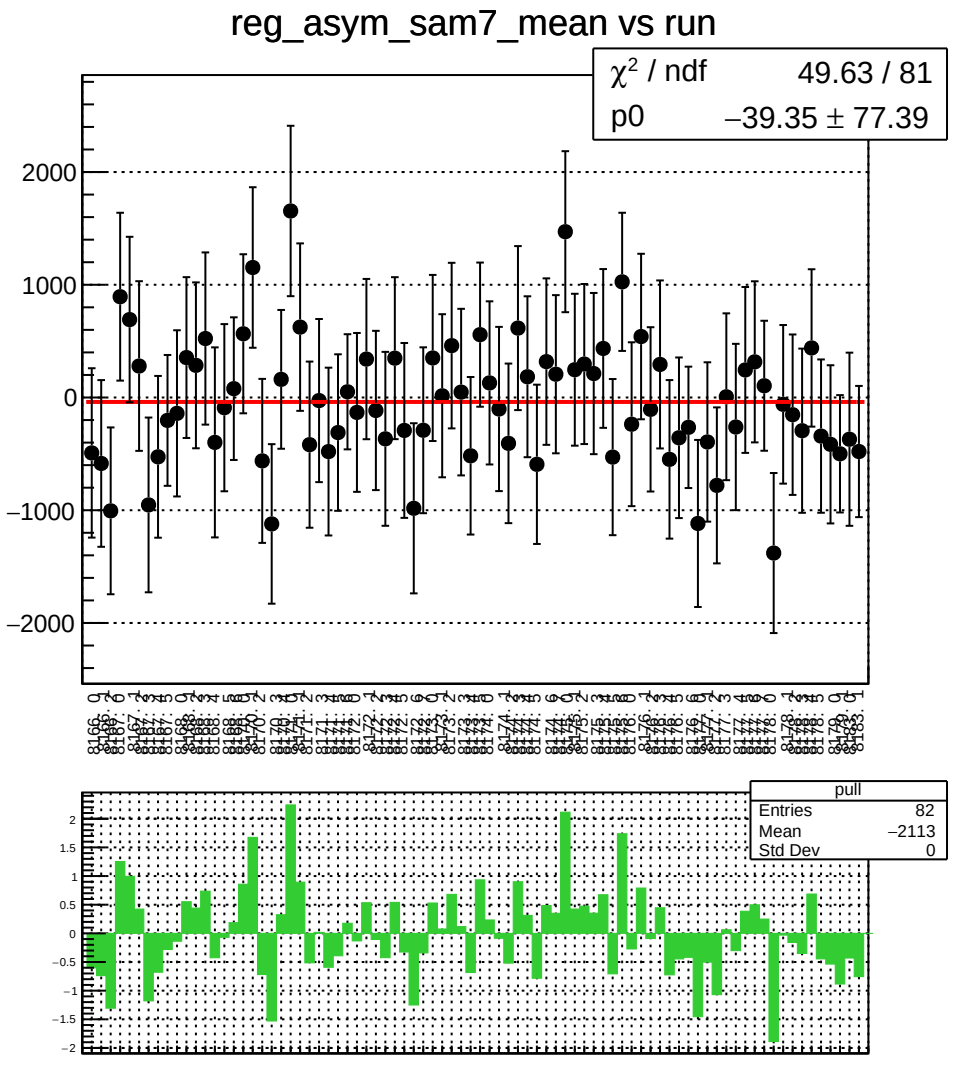

pull1D
Entries 82
Mean −0.0064
Std Dev 1.005

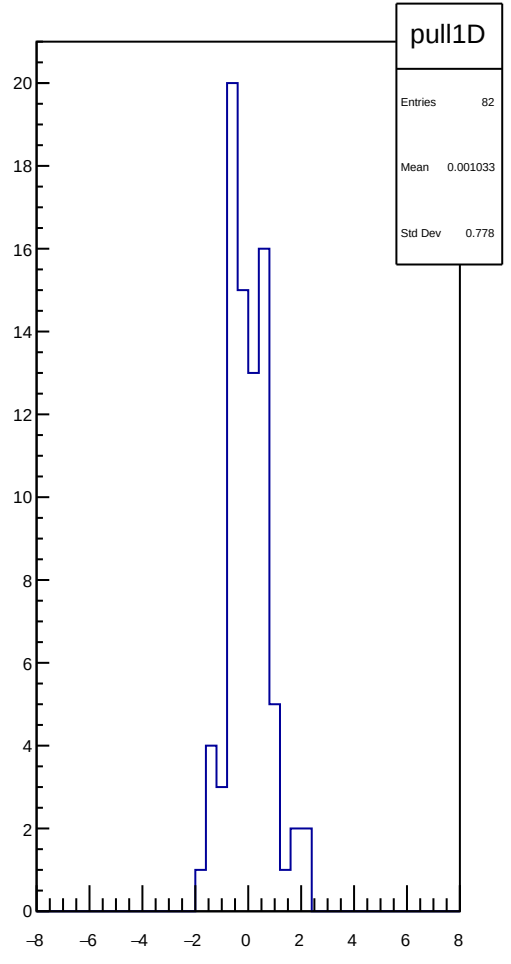

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.183e+04 / 81
p0 76.37 ± 0.06093
140
130
120
110
100
90
80
70
60


asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 103.6 / 81
p0 −1.152e−13 ± 6.703e−14
pull
Entries 82
Mean 63.92
Std Dev 16.05

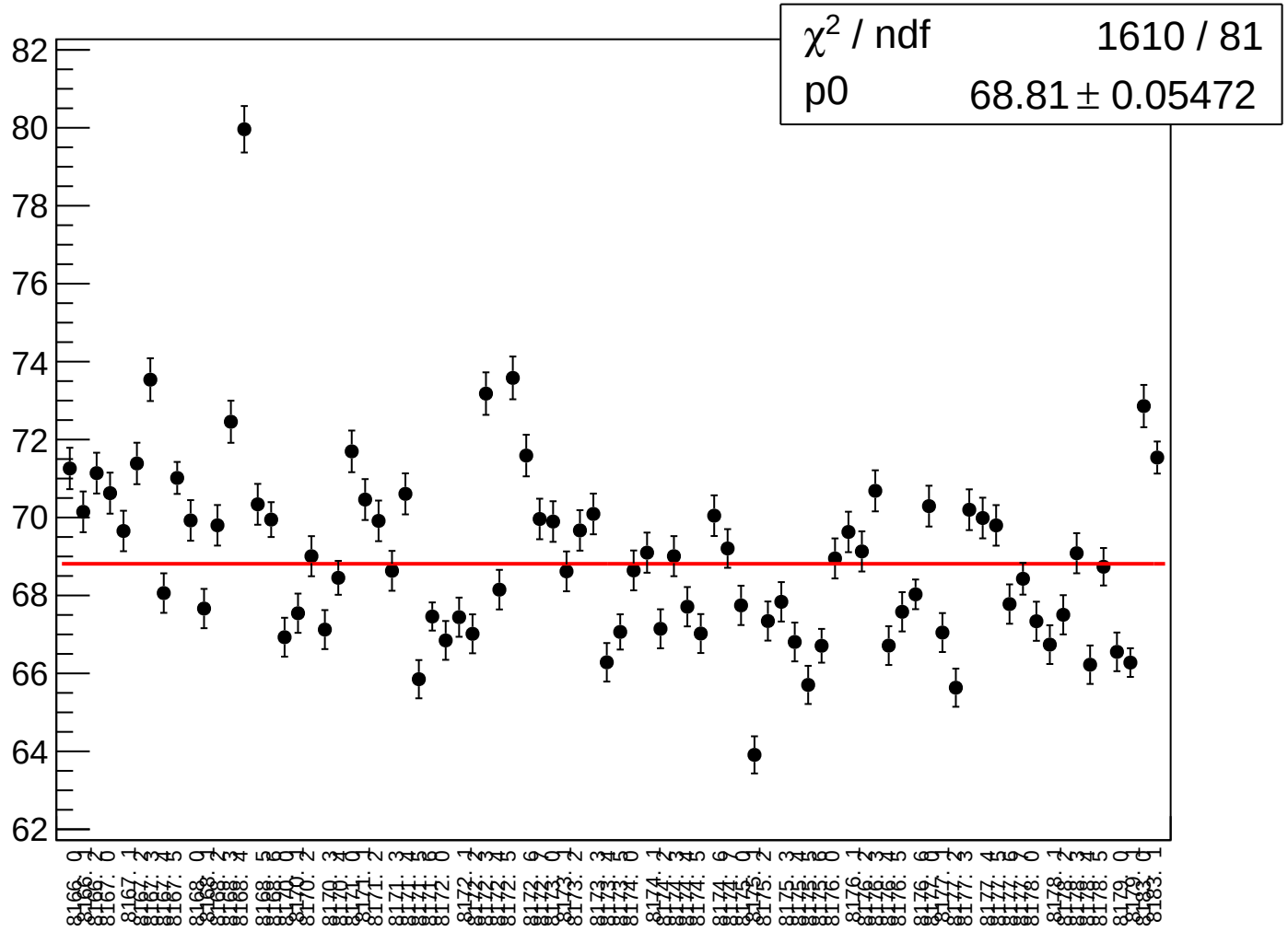

pull1D
Entries 82
Mean −0.02601
Std Dev 1.124

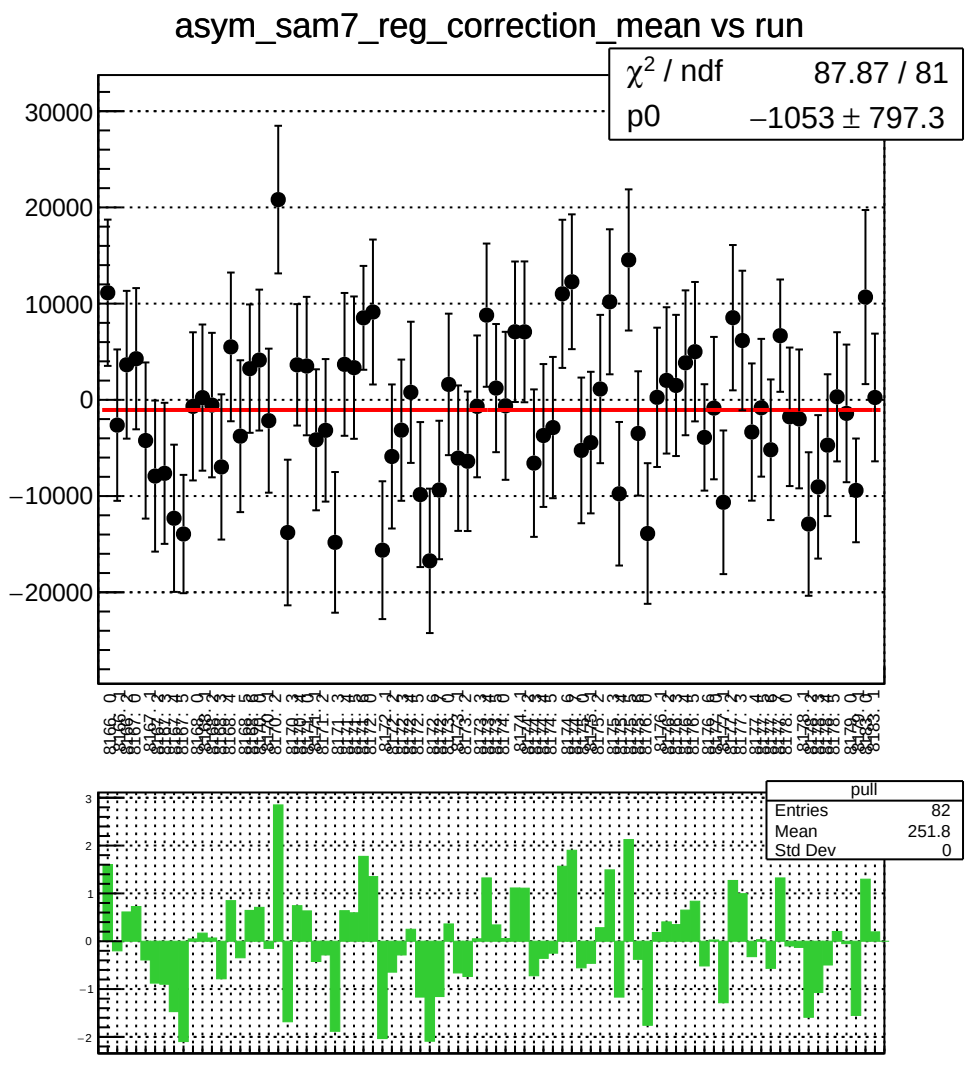

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.418e+05 / 81
p0 5.28e−11 ± 4.74e−14
0.3
0.25
0.2
0.15
0.1
0.05

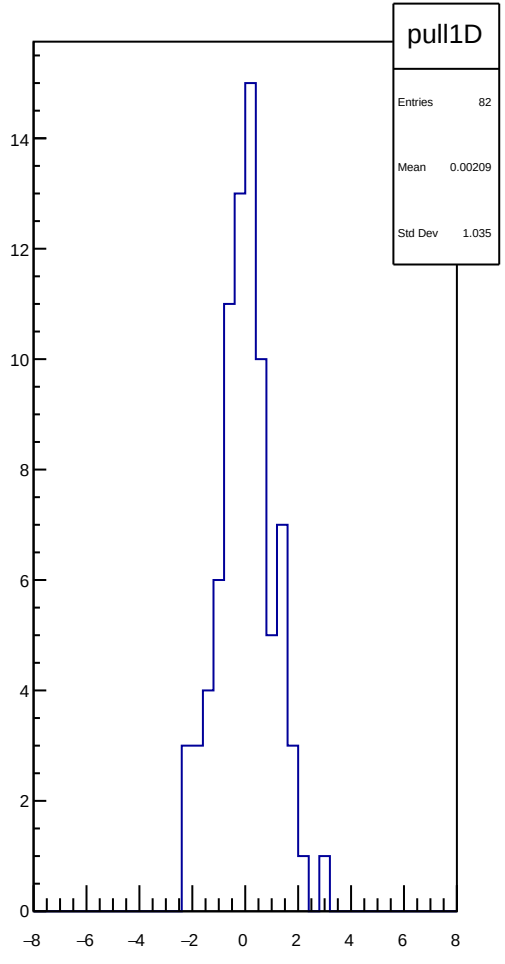

reg_asym_sam7_mean vs run
χ² / ndf 49.63 / 81
p0 −39.35 ± 77.39
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −2113
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

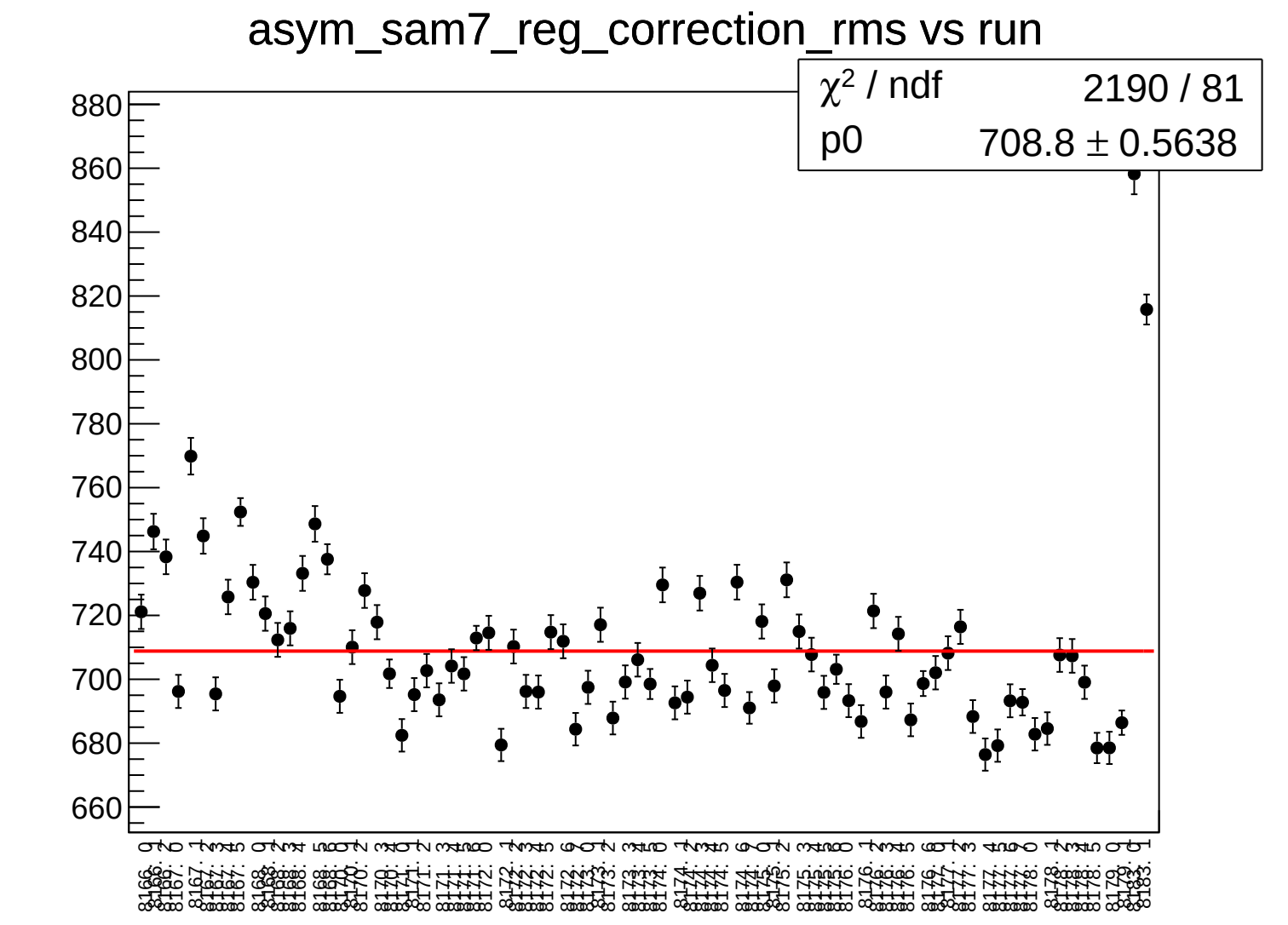

pull1D
Entries 82
Mean 0.001033
Std Dev 0.778
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

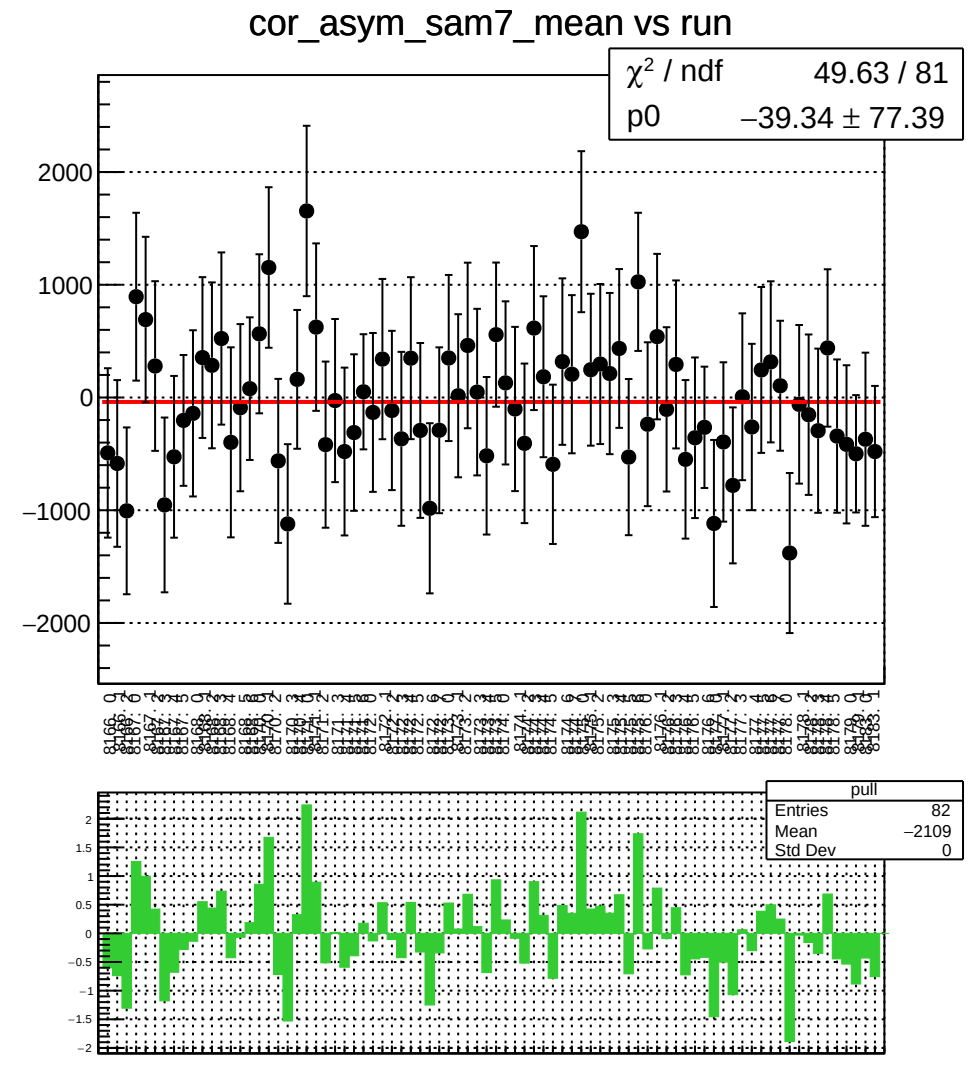
reg_asym_sam7_rms vs run

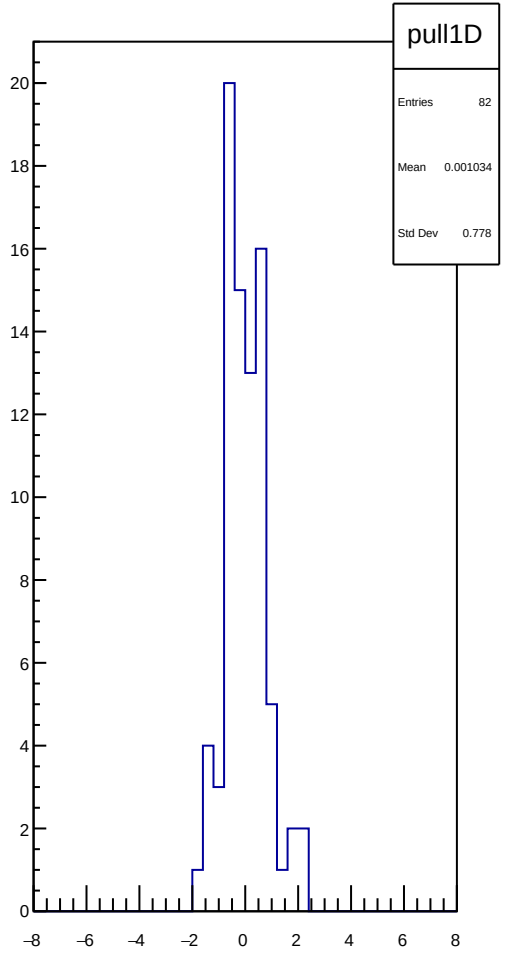


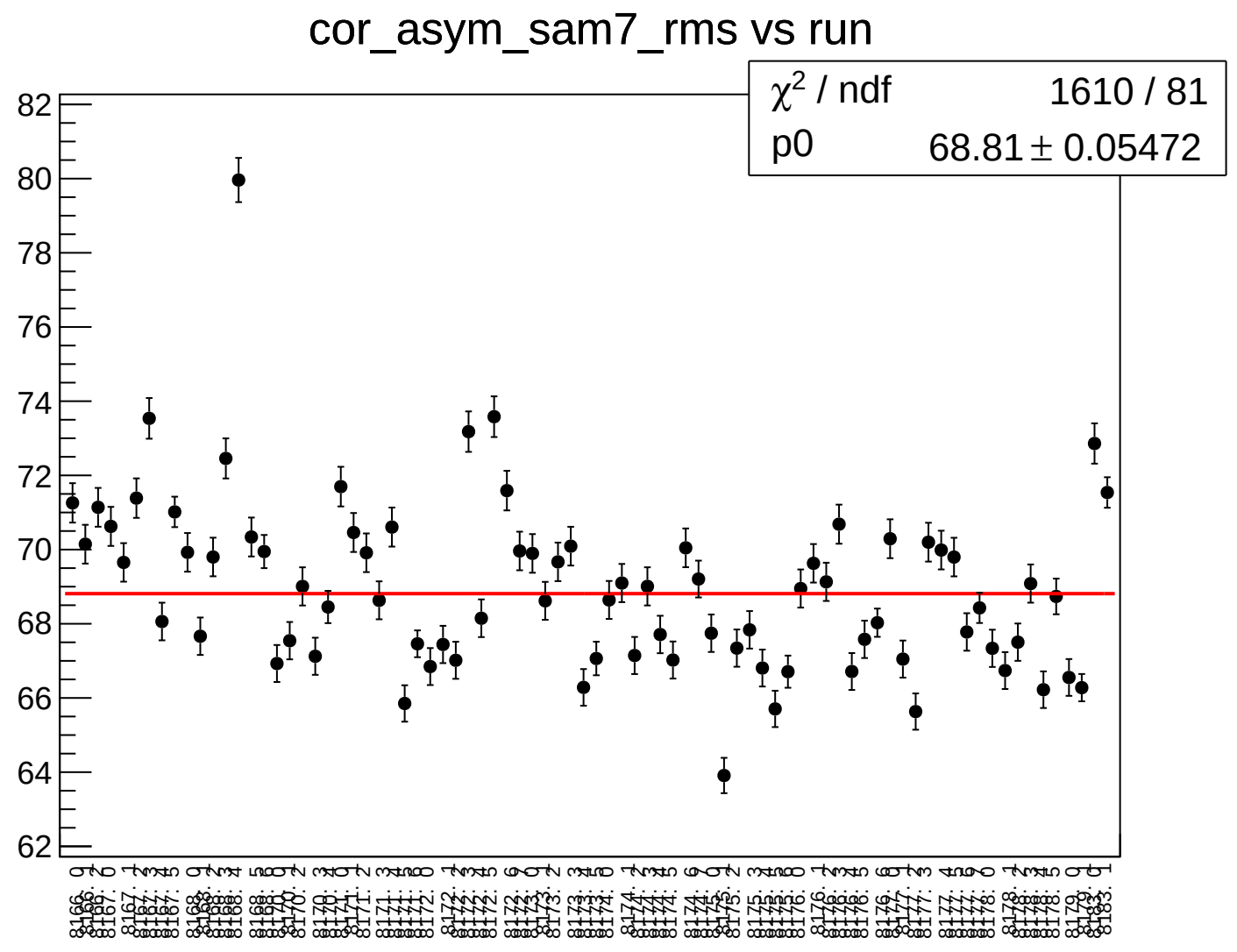

asym_sam7_reg_correction_mean vs run
χ² / ndf 87.87 / 81
p0 −1053 ± 797.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 251.8
Std Dev 0
3
2
1
0
−1
−2

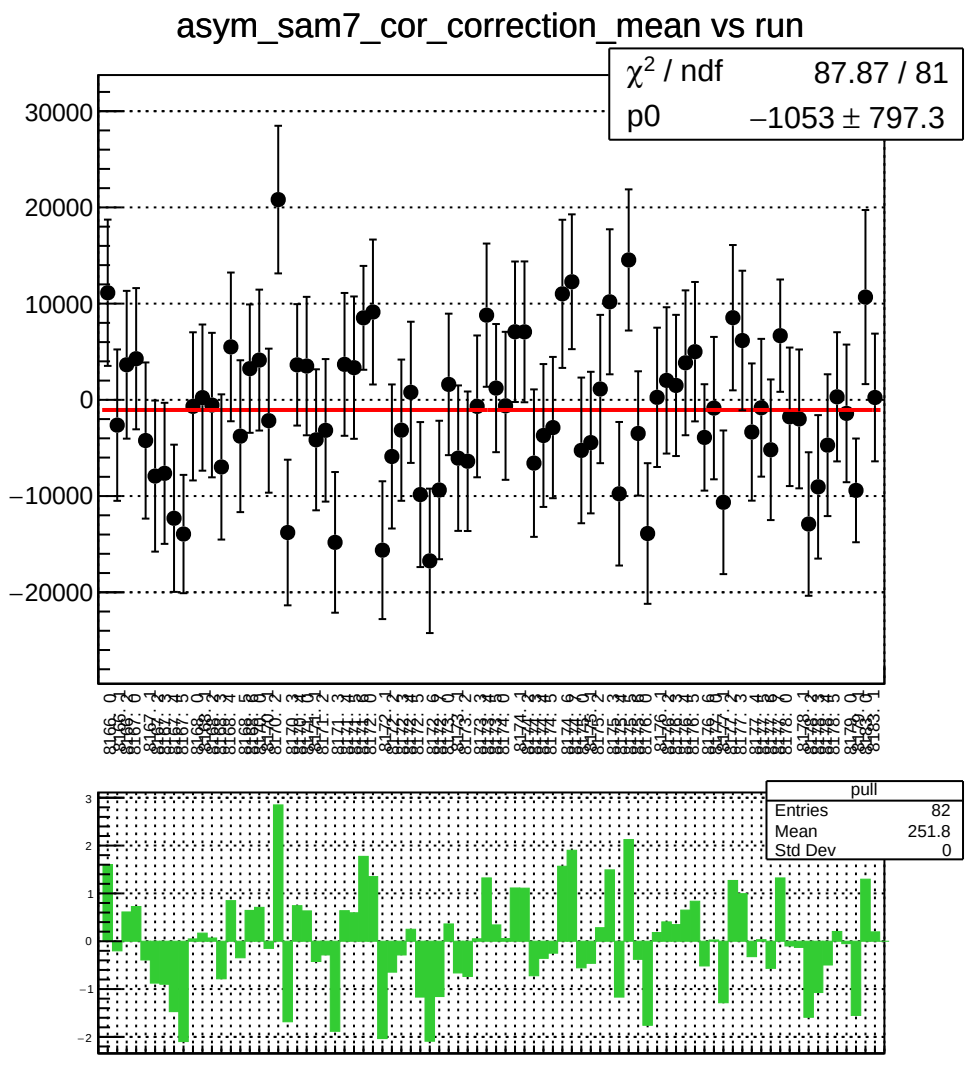

pull1D
Entries 82
Mean 0.00209
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

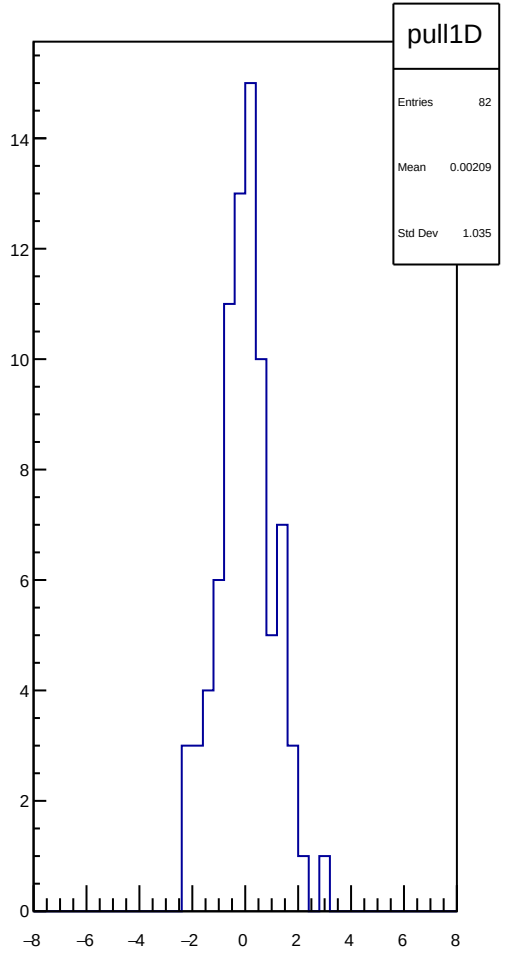

asym_sam7_reg_correction_rms vs run
χ² / ndf 2190 / 81
p0 708.8 ± 0.5638
880
860
840
820
800
780
760
740
720
700
680
660

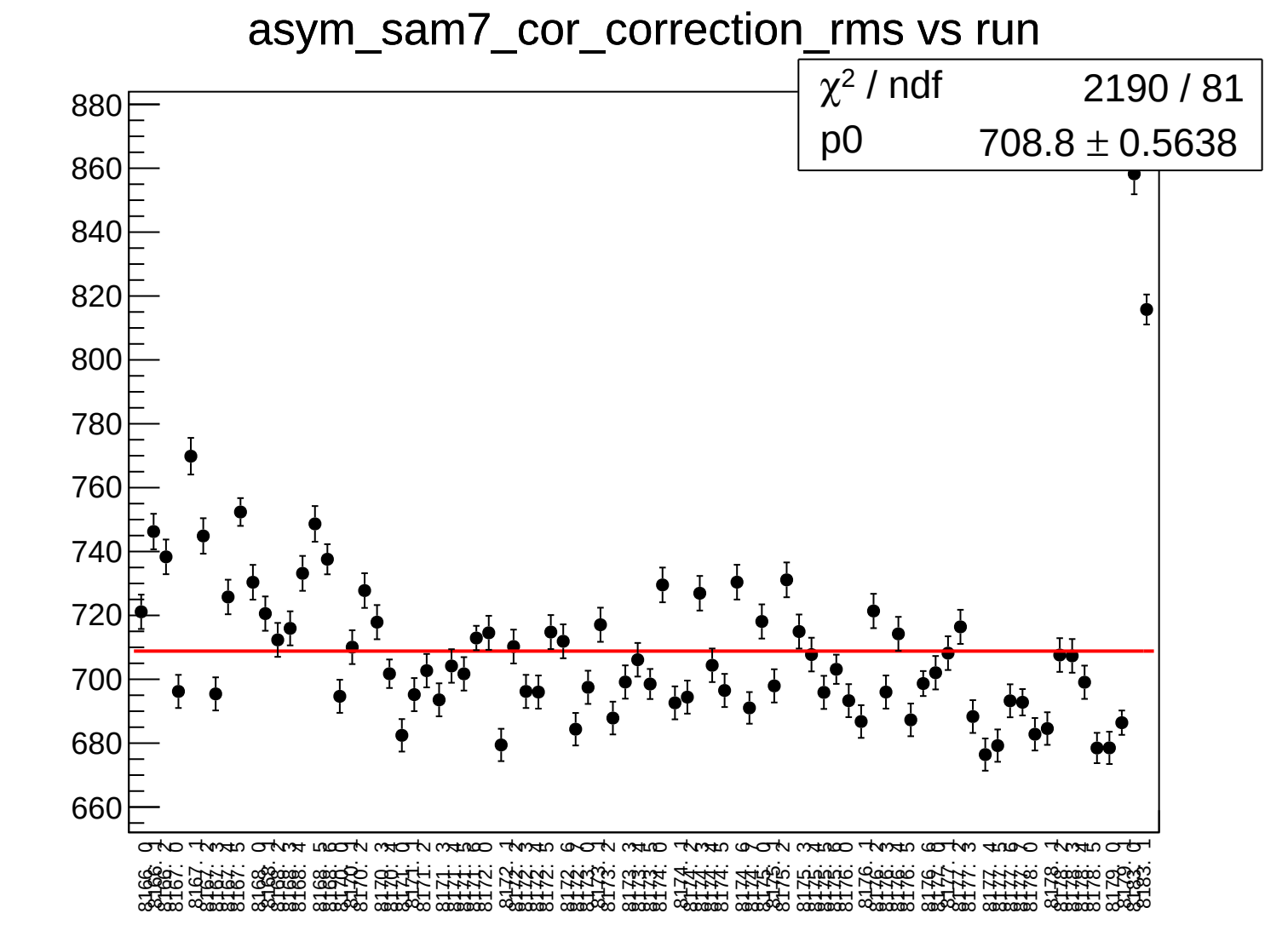

cor_asym_sam7_mean vs run
χ² / ndf 49.63 / 81
p0 −39.34 ± 77.39
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −2109
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

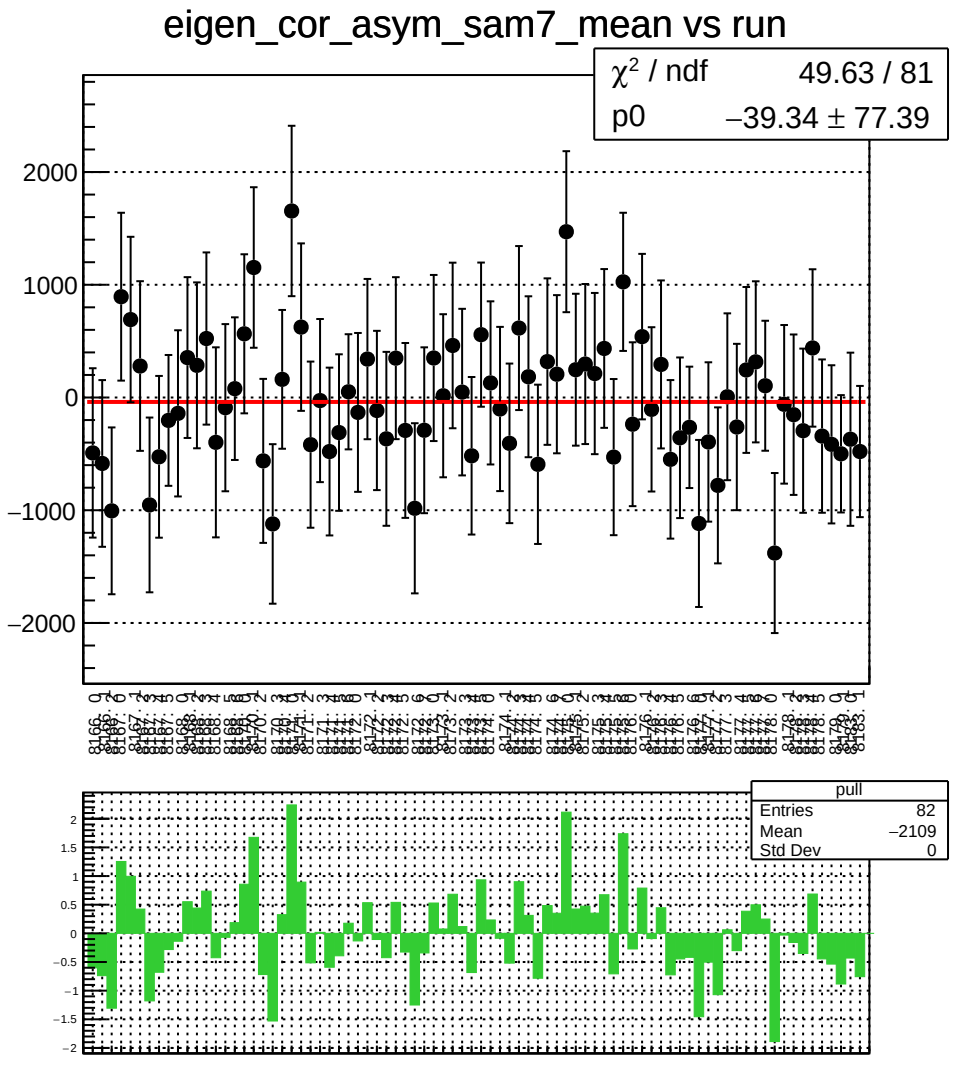

pull1D
Entries 82
Mean 0.001034
Std Dev 0.778
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

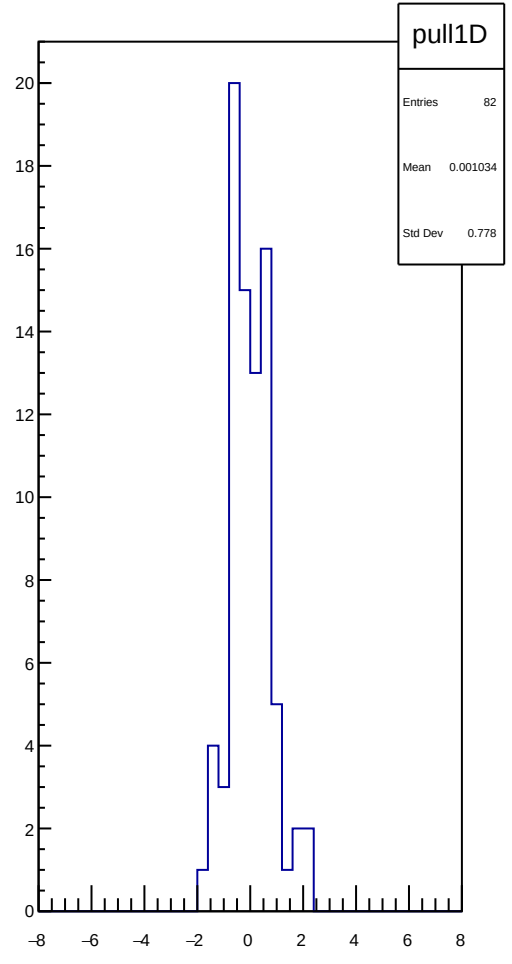

cor_asym_sam7_rms vs run
χ^2 / ndf 1610 / 81
p0 68.81 ± 0.05472
82
80
78
76
74
72
70
68
66
64
62

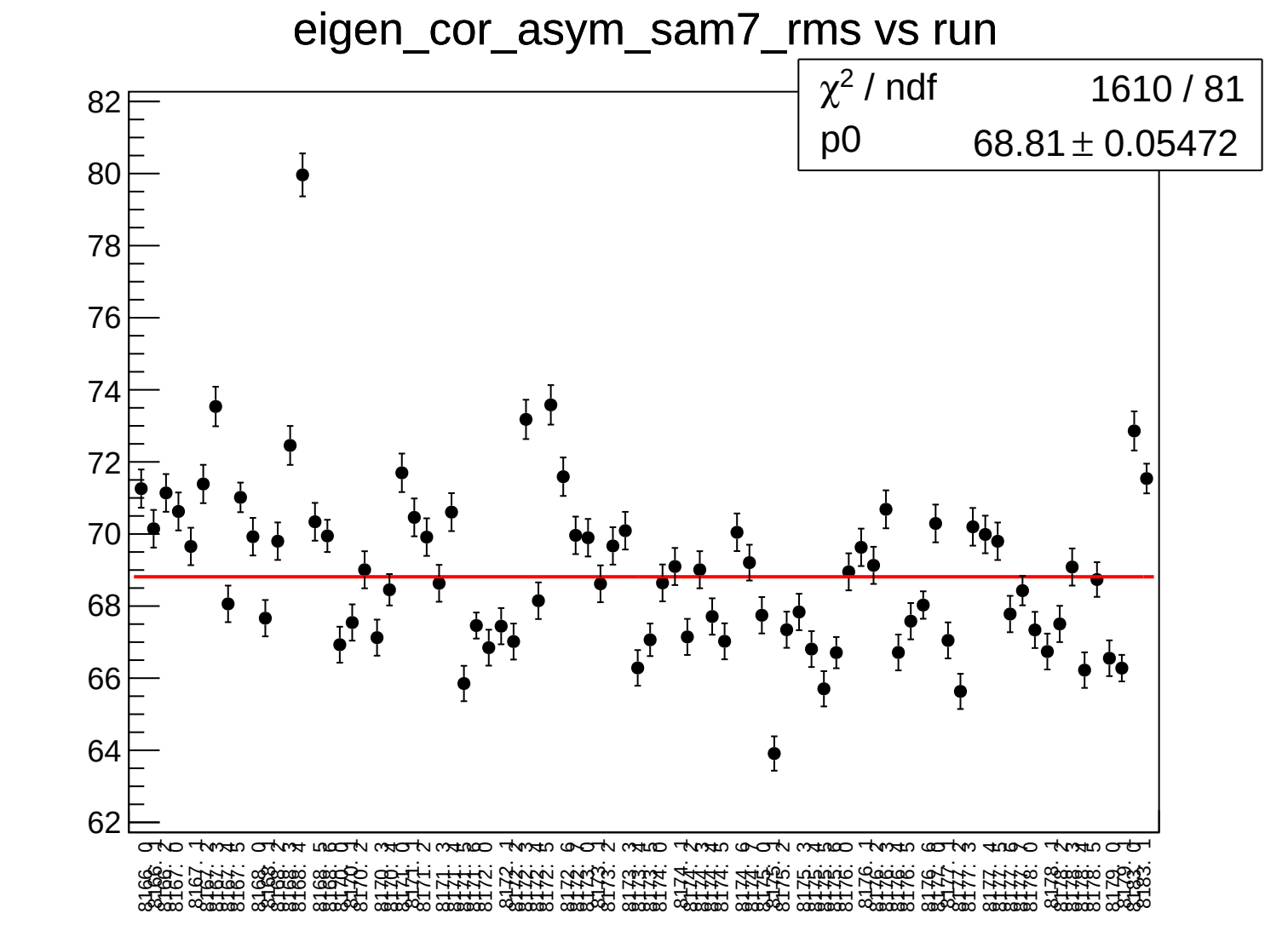

asym_sam7_cor_correction_mean vs run
χ² / ndf 87.87 / 81
p0 −1053 ± 797.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 251.8
Std Dev 0
3
2
1
0
−1
−2

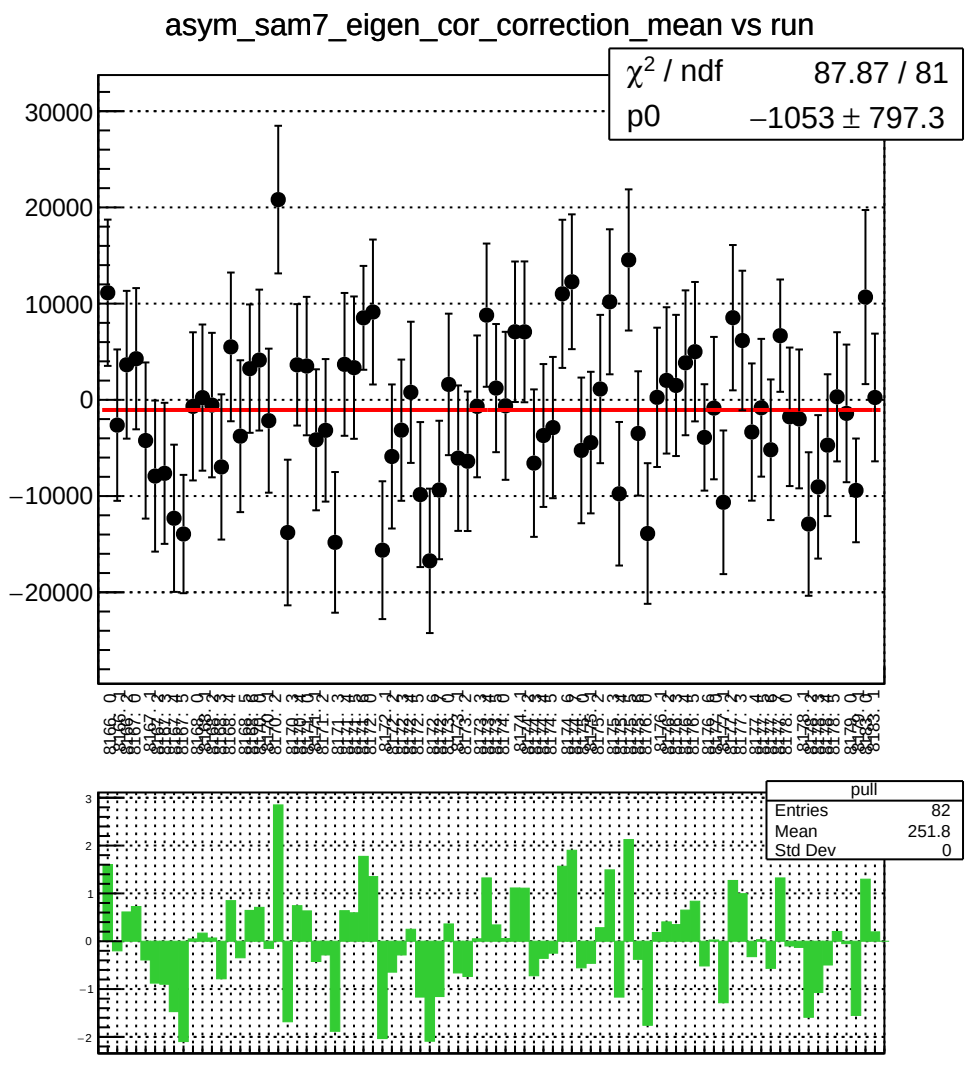

pull1D
Entries 82
Mean 0.00209
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

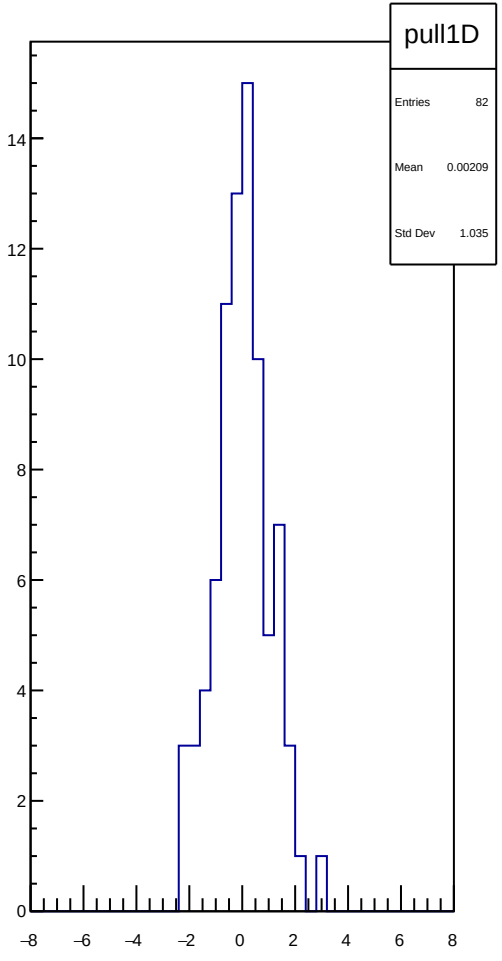

asym_sam7_cor_correction_rms vs run
χ² / ndf 2190 / 81
p0 708.8 ± 0.5638
880
860
840
820
800
780
760
740
720
700
680
660

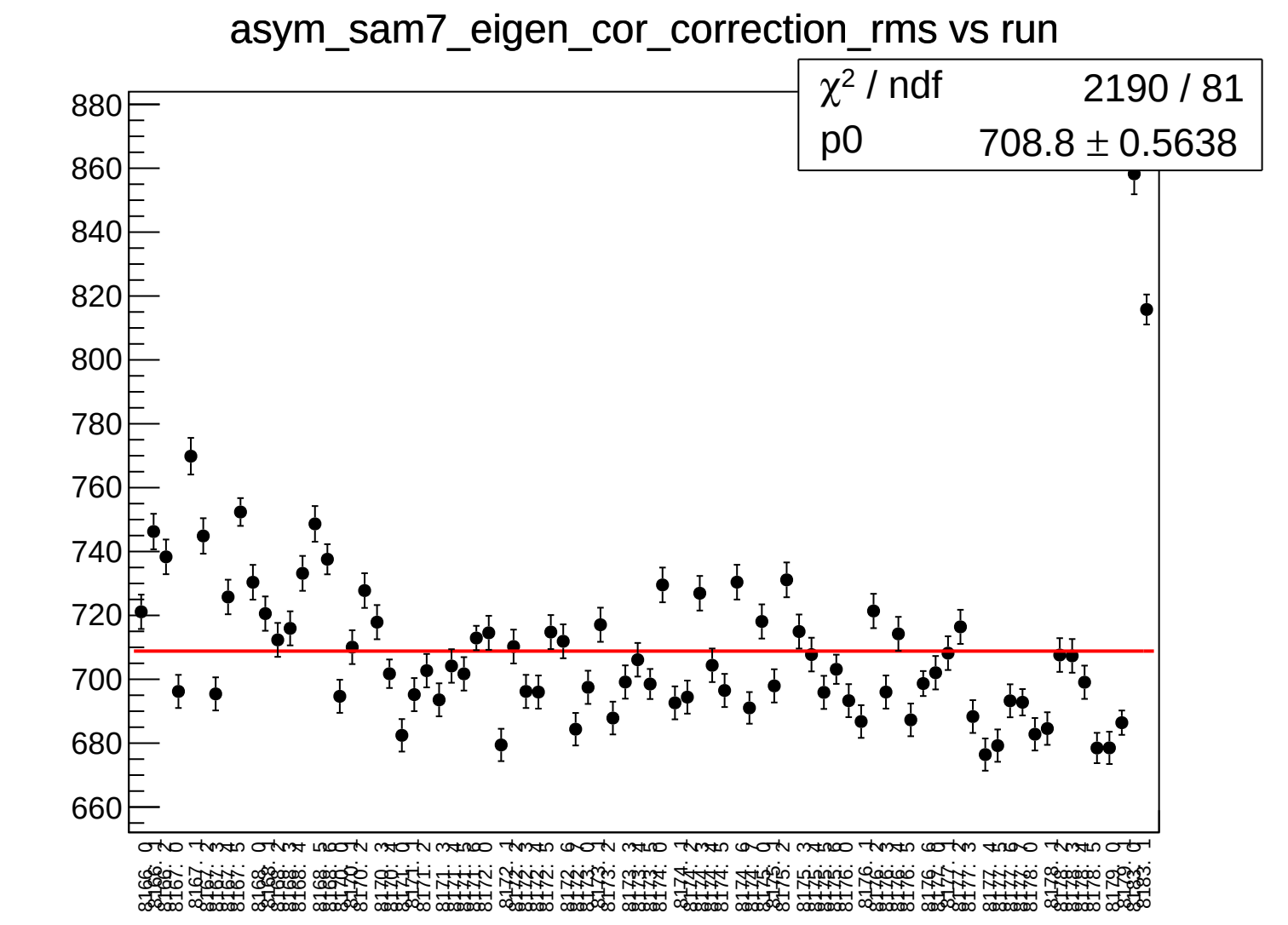

eigen_cor_asym_sam7_mean vs run
χ² / ndf 49.63 / 81
p0 −39.34 ± 77.39
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −2109
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

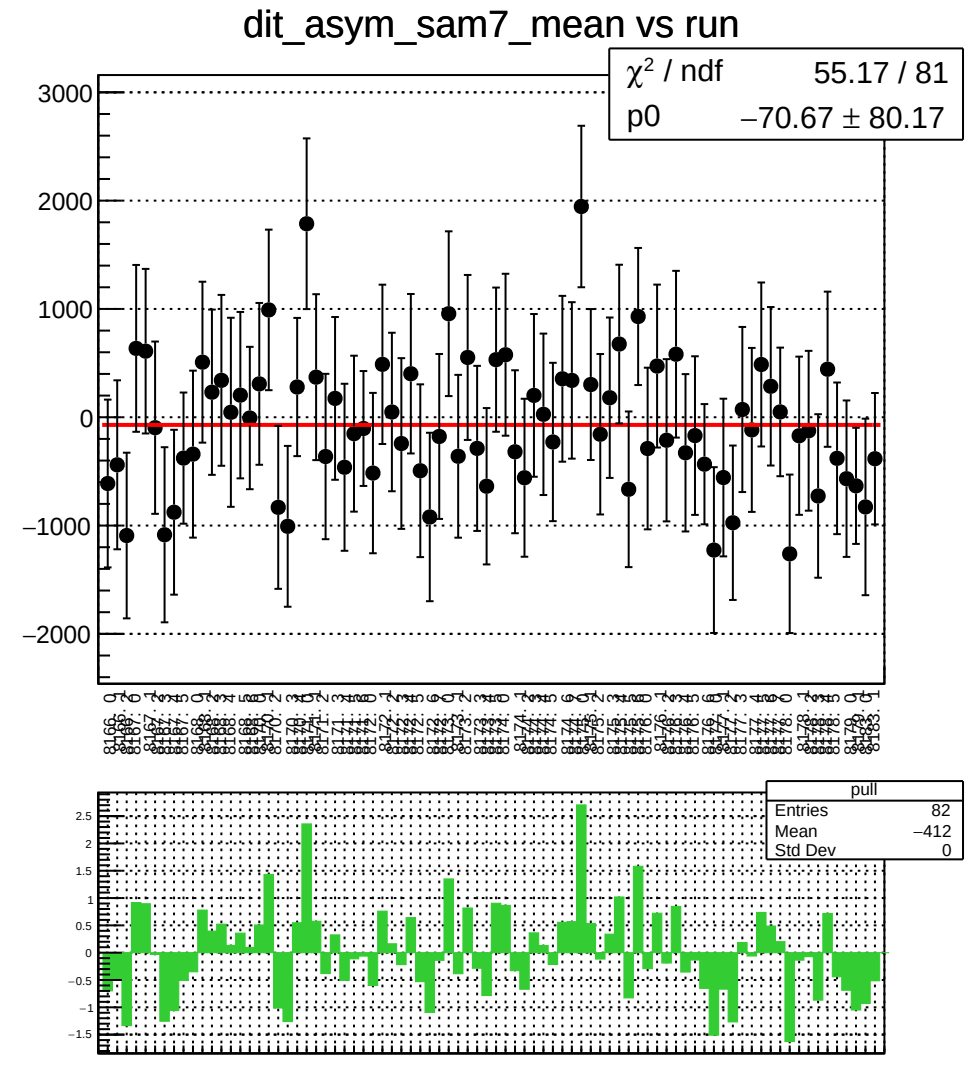

pull1D
Entries 82
Mean 0.001034
Std Dev 0.778
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

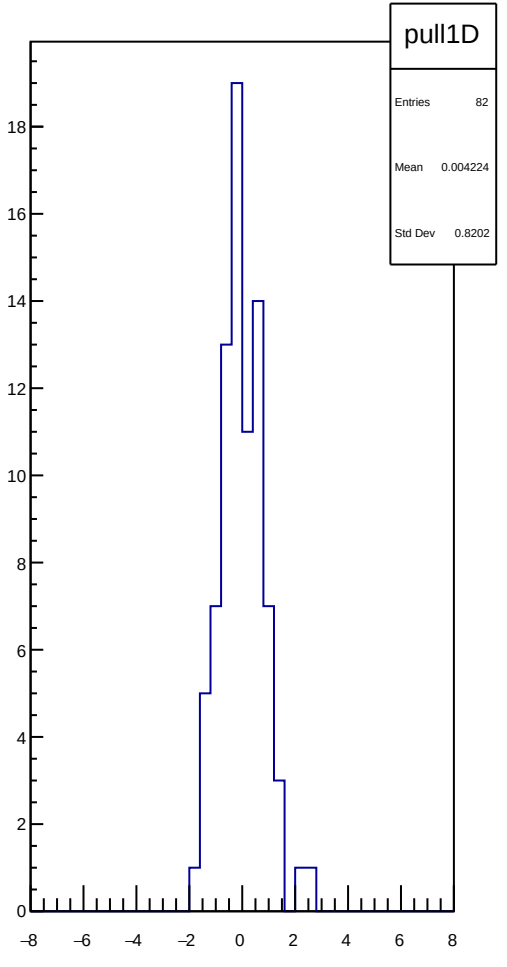

eigen_cor_asym_sam7_rms vs run
χ^2 / ndf 1610 / 81
p0 68.81 ± 0.05472
82
80
78
76
74
72
70
68
66
64
62

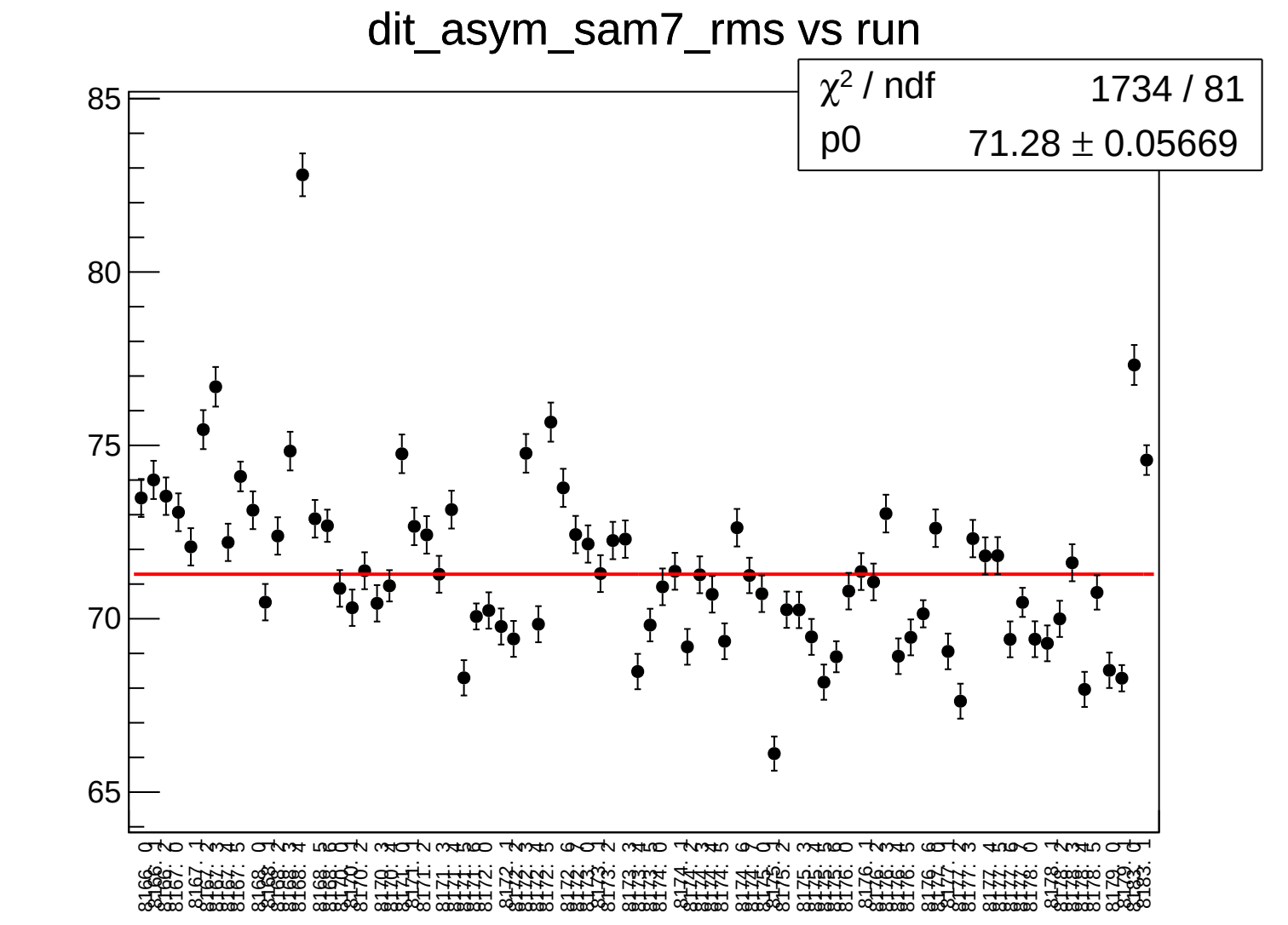

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 87.87 / 81
p0 −1053 ± 797.3
pull
Entries 82
Mean 251.8
Std Dev 0

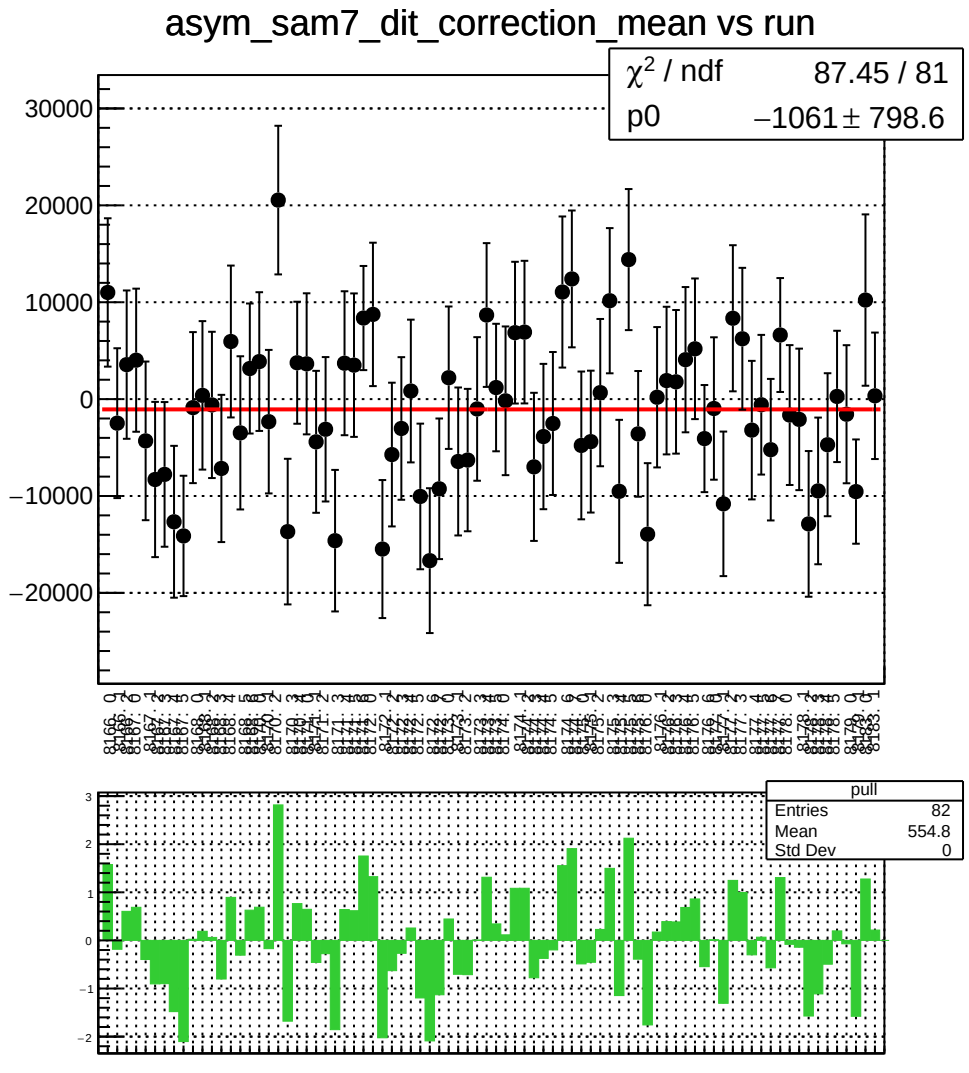

pull1D
Entries 82
Mean 0.00209
Std Dev 1.035

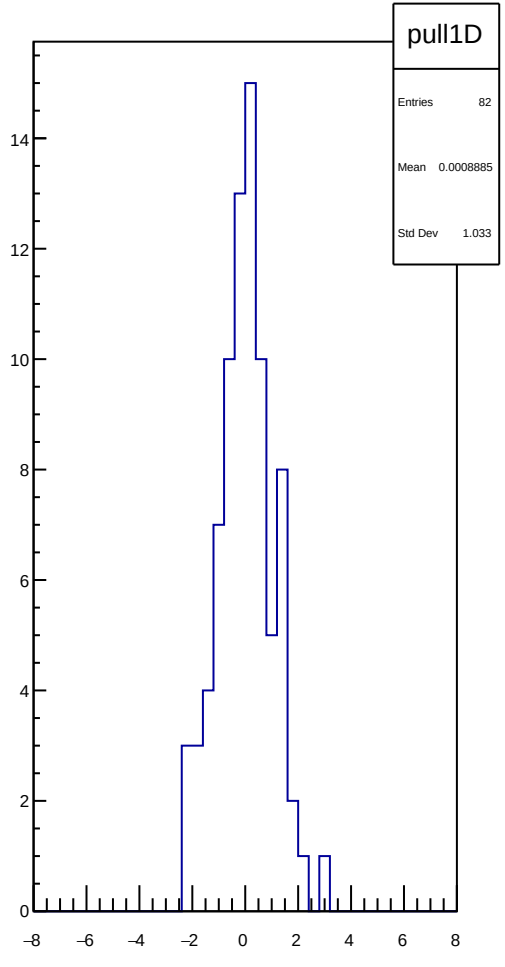

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 2190 / 81
p0 708.8 ± 0.5638
880
860
840
820
800
780
760
740
720
700
680
660

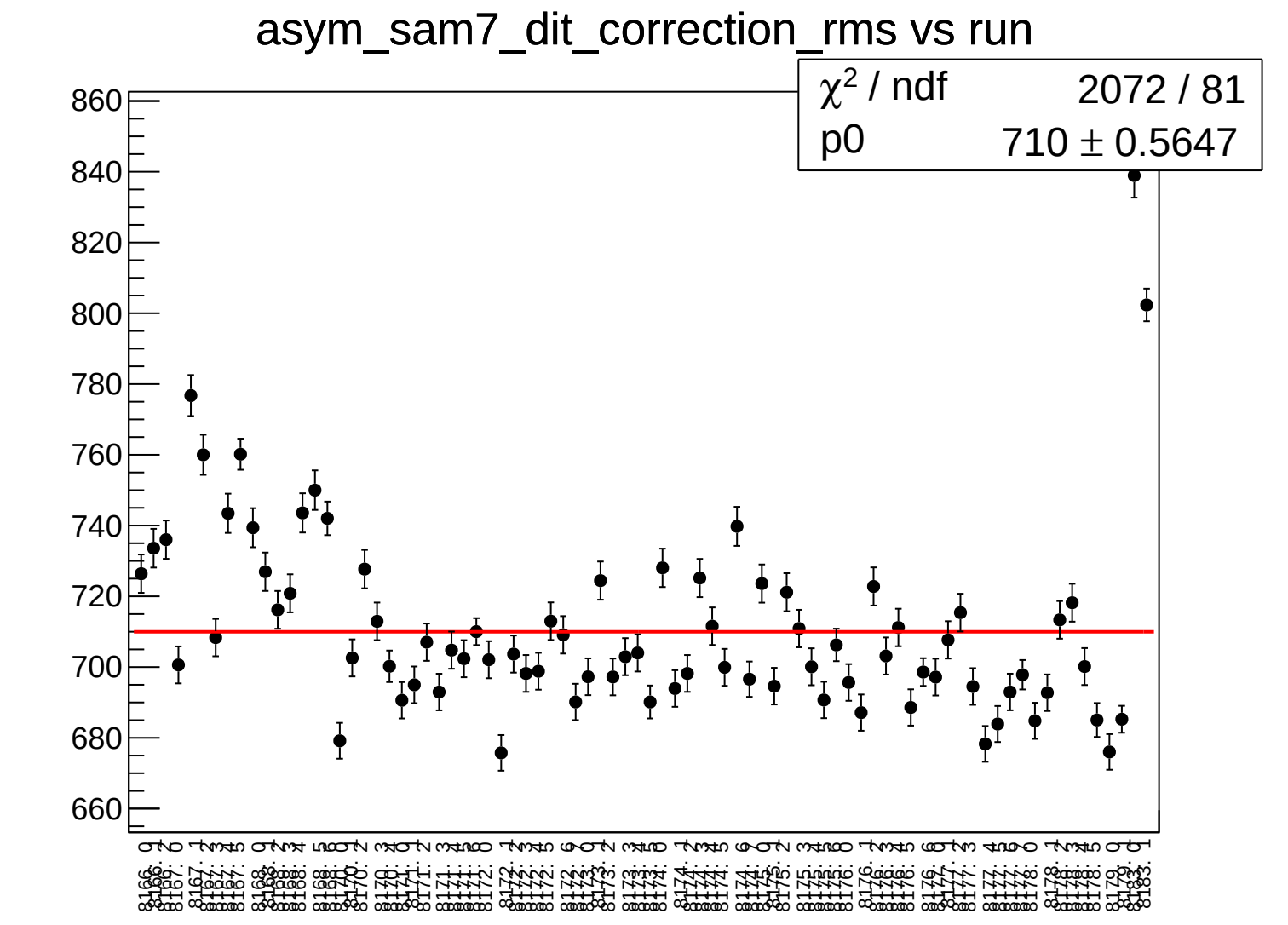

dit_asym_sam7_mean vs run
χ² / ndf 55.17 / 81
p0 −70.67 ± 80.17
3000
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −412
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

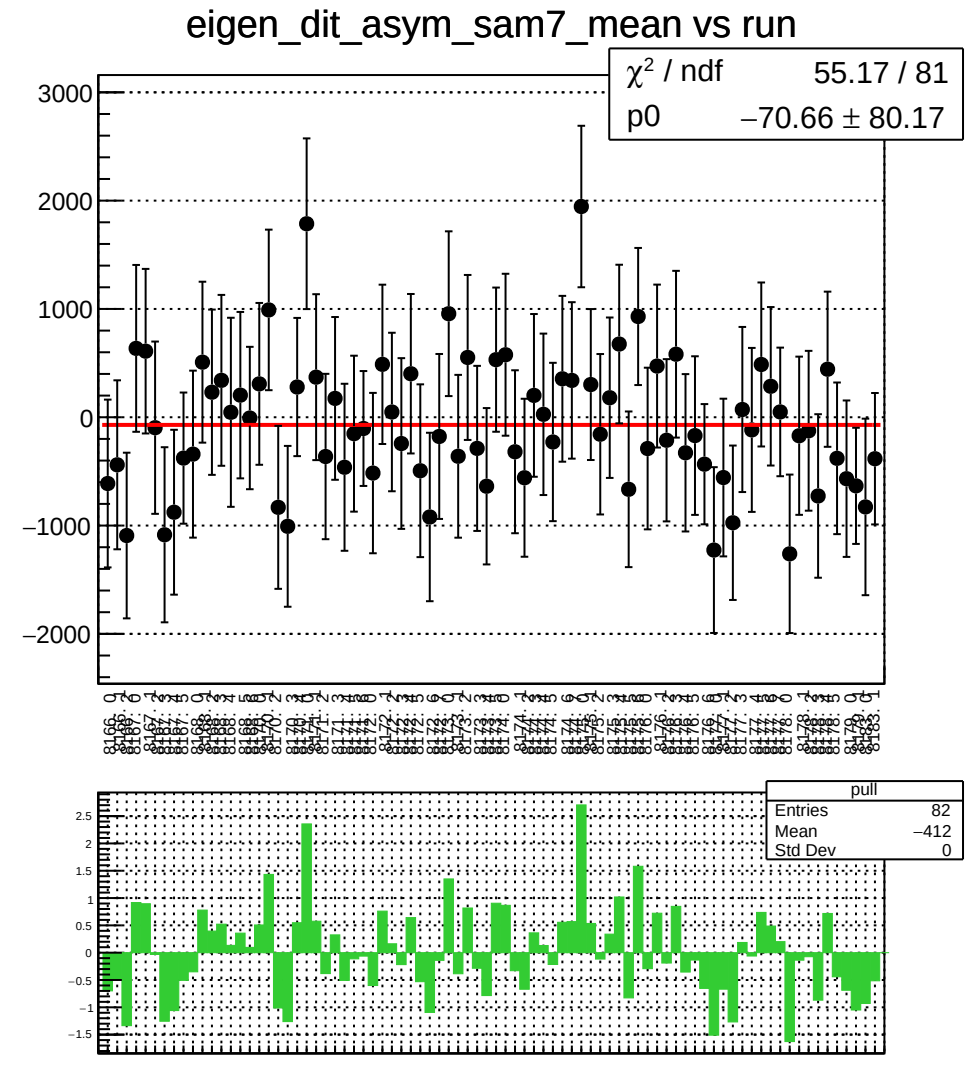

pull1D
Entries 82
Mean 0.004224
Std Dev 0.8202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

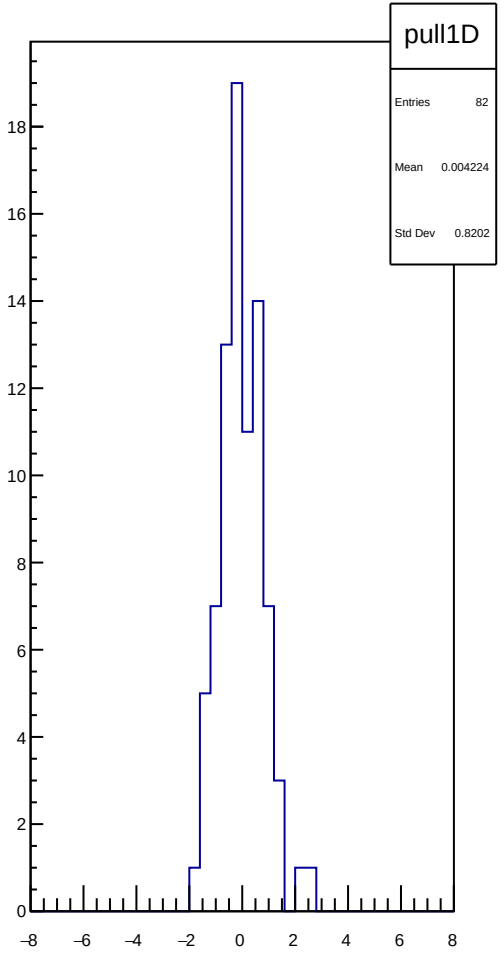

dit_asym_sam7_rms vs run
χ^2 / ndf 1734 / 81
p0 71.28 ± 0.05669
85
80
75
70
65

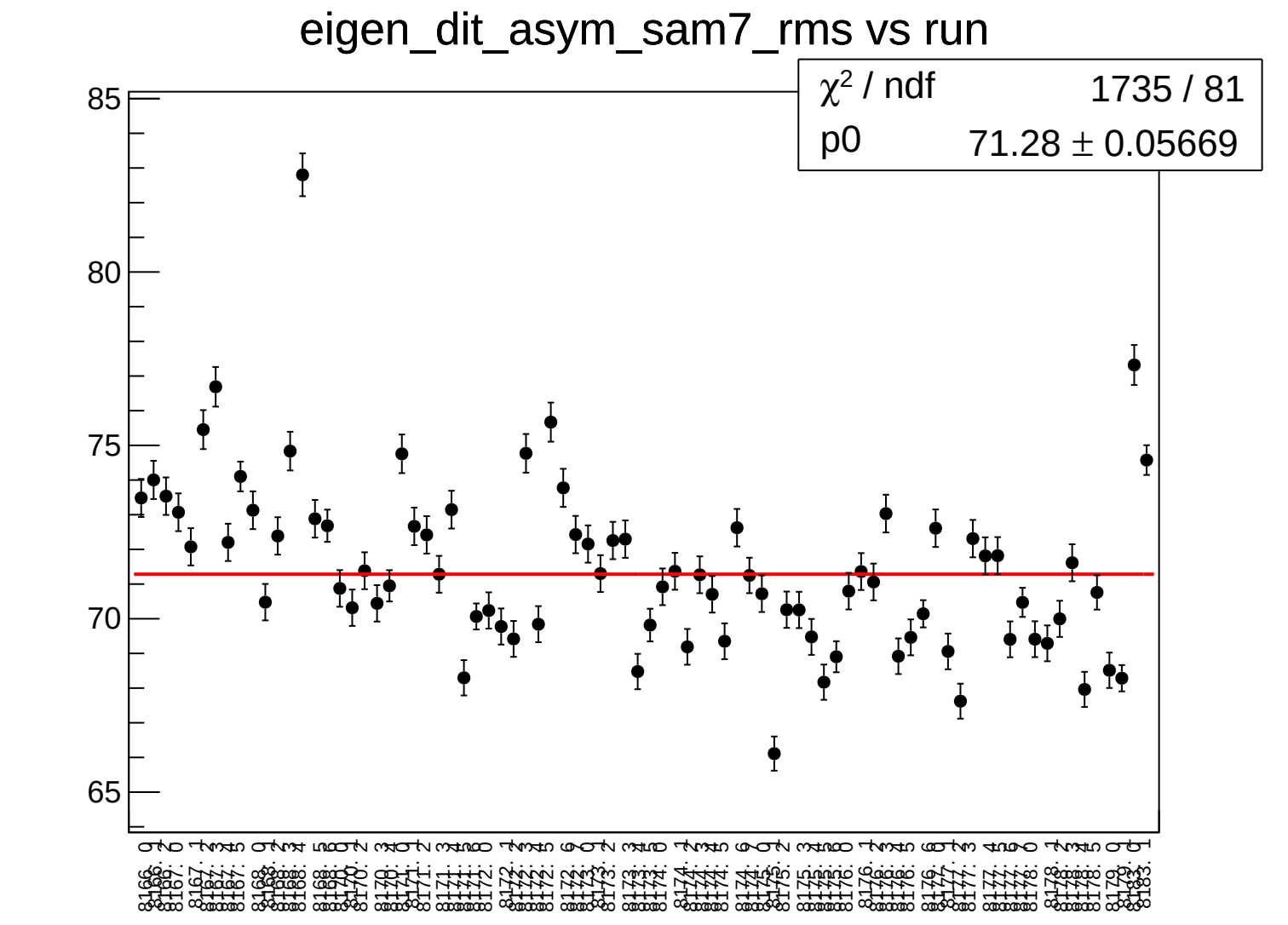

asym_sam7_dit_correction_mean vs run
χ² / ndf 87.45 / 81
p0 −1061 ± 798.6
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 554.8
Std Dev 0
3
2
1
0
−1
−2

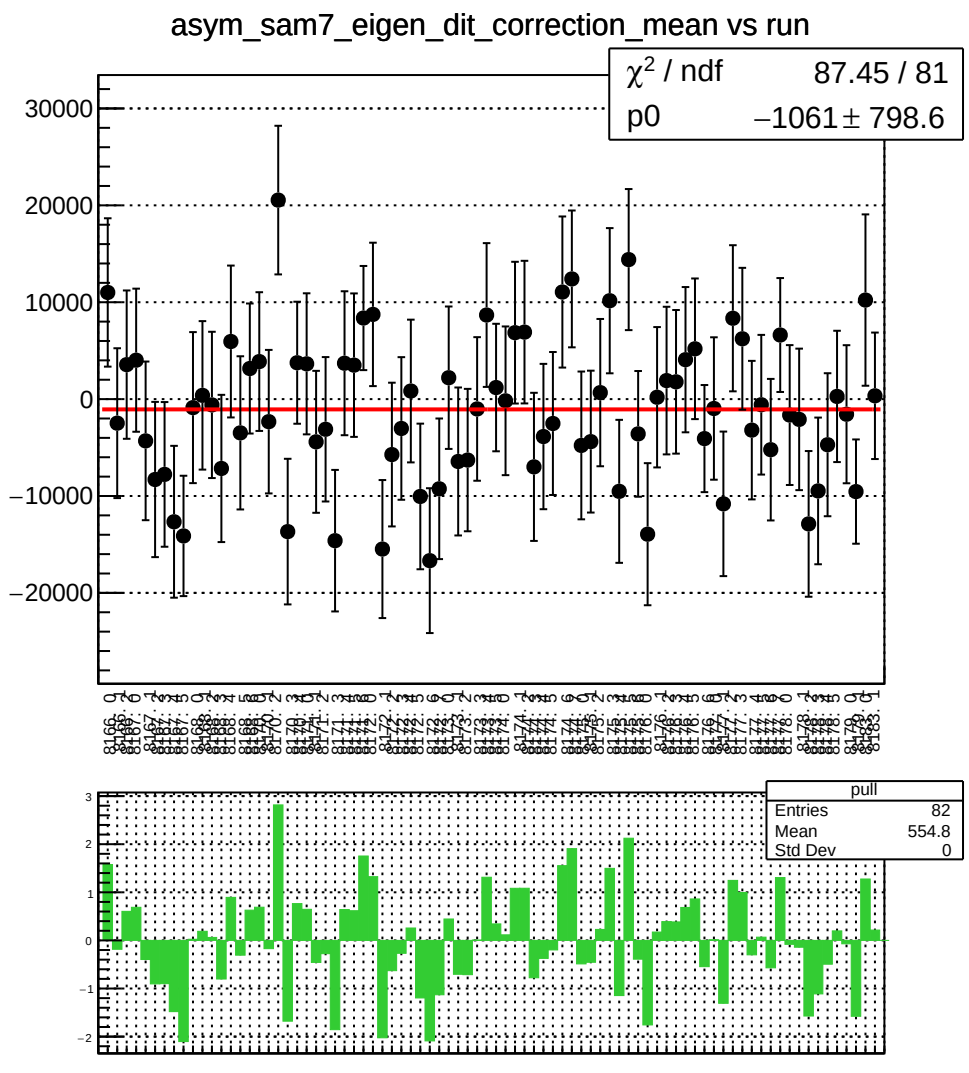

pull1D
Entries 82
Mean 0.0008885
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

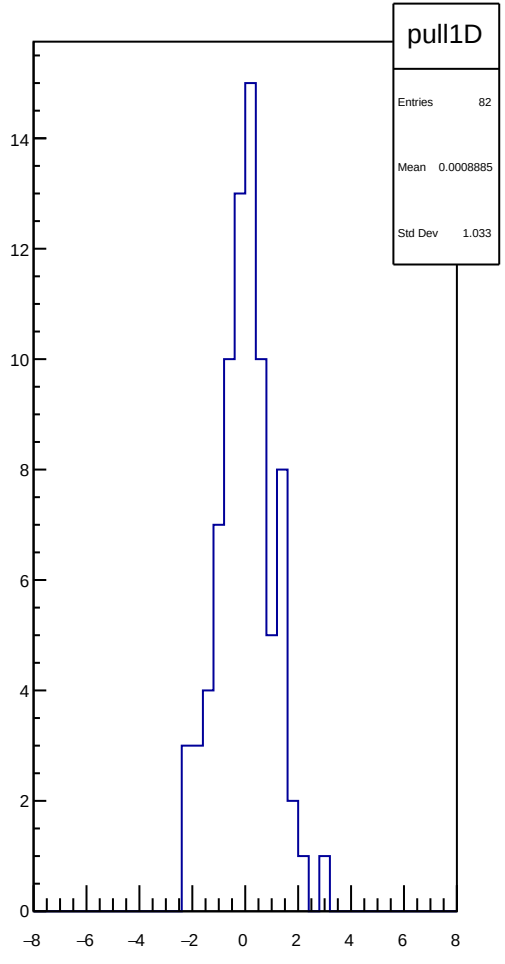

asym_sam7_dit_correction_rms vs run
χ² / ndf 2072 / 81
p0 710 ± 0.5647
860
840
820
800
780
760
740
720
700
680
660

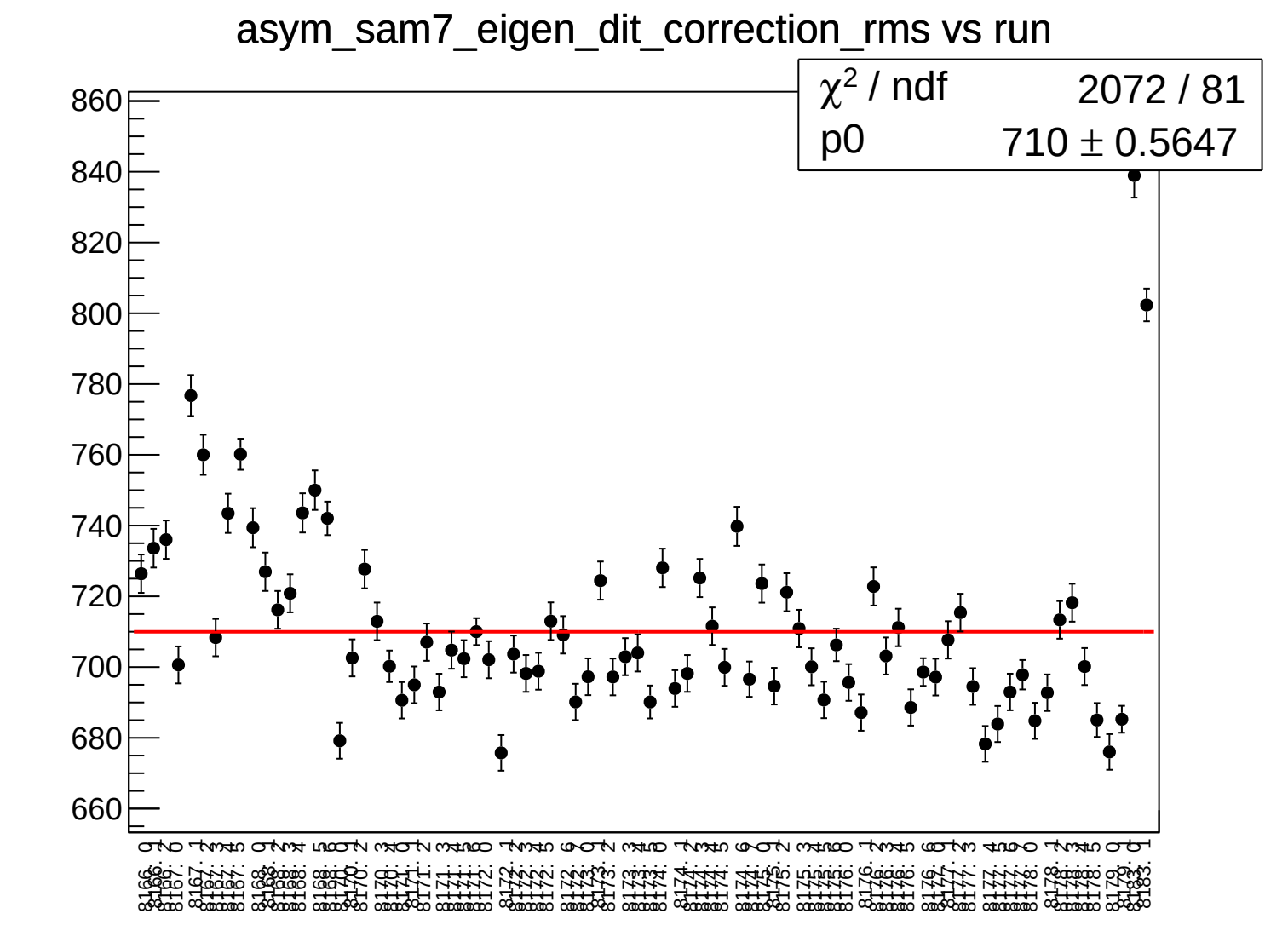

eigen_dit_asym_sam7_mean vs run
χ² / ndf 55.17 / 81
p0 −70.66 ± 80.17
3000
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −412
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

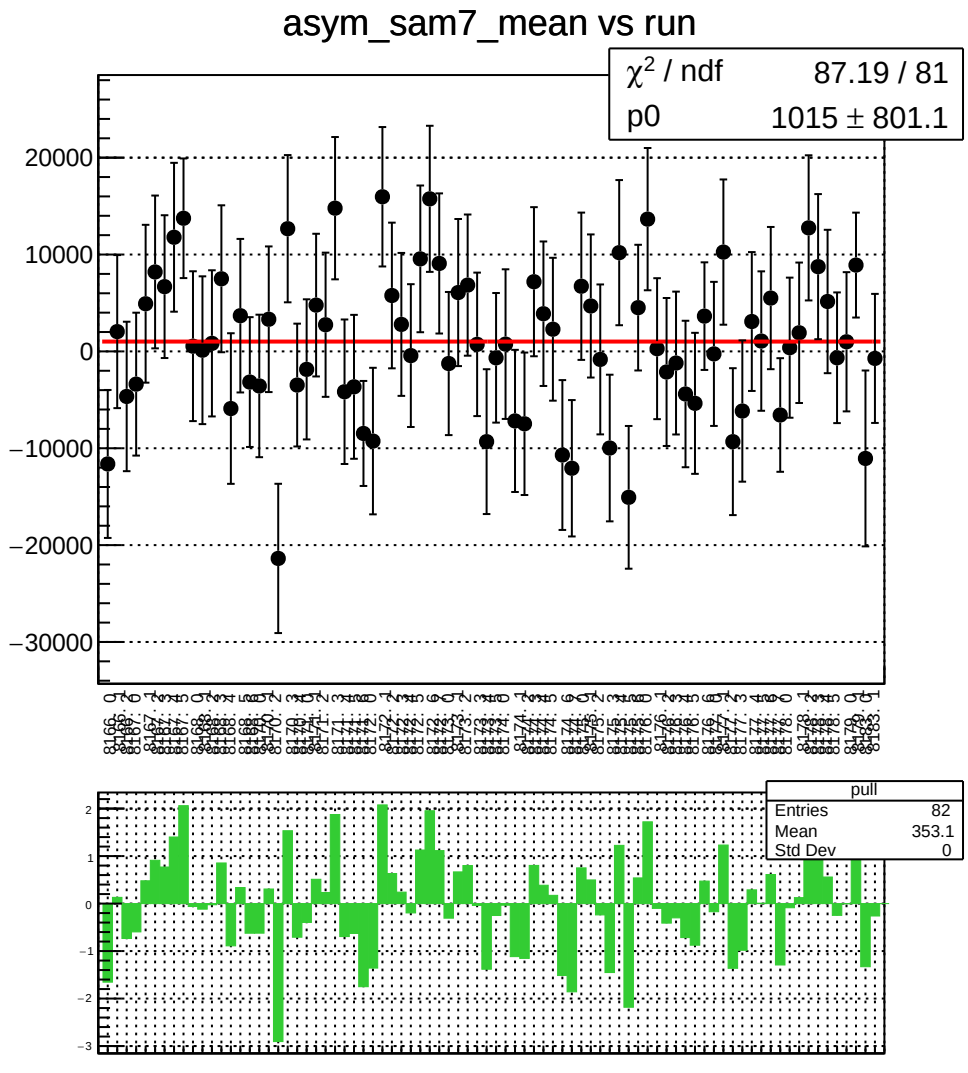

pull1D
Entries 82
Mean 0.004224
Std Dev 0.8202
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

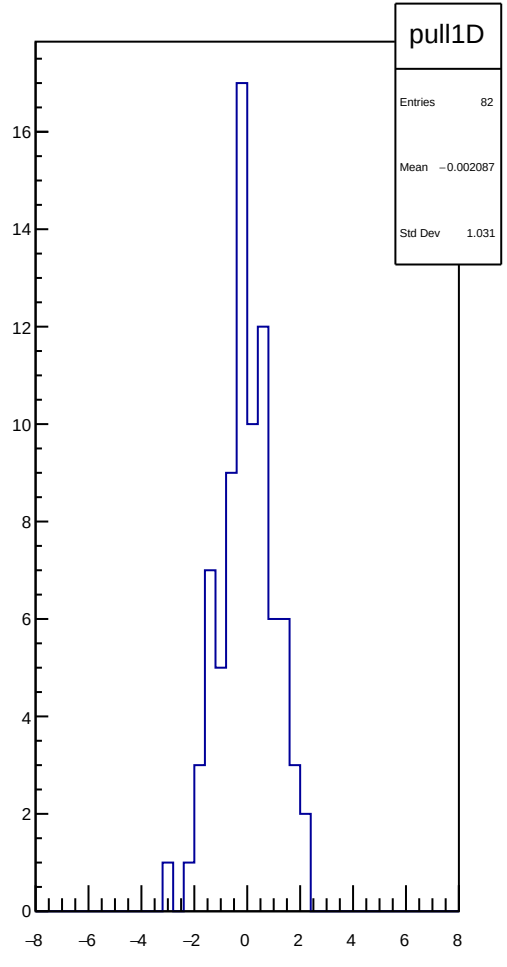

eigen_dit_asym_sam7_rms vs run
χ^2 / ndf 1735 / 81
p0 71.28 ± 0.05669
85
80
75
70
65

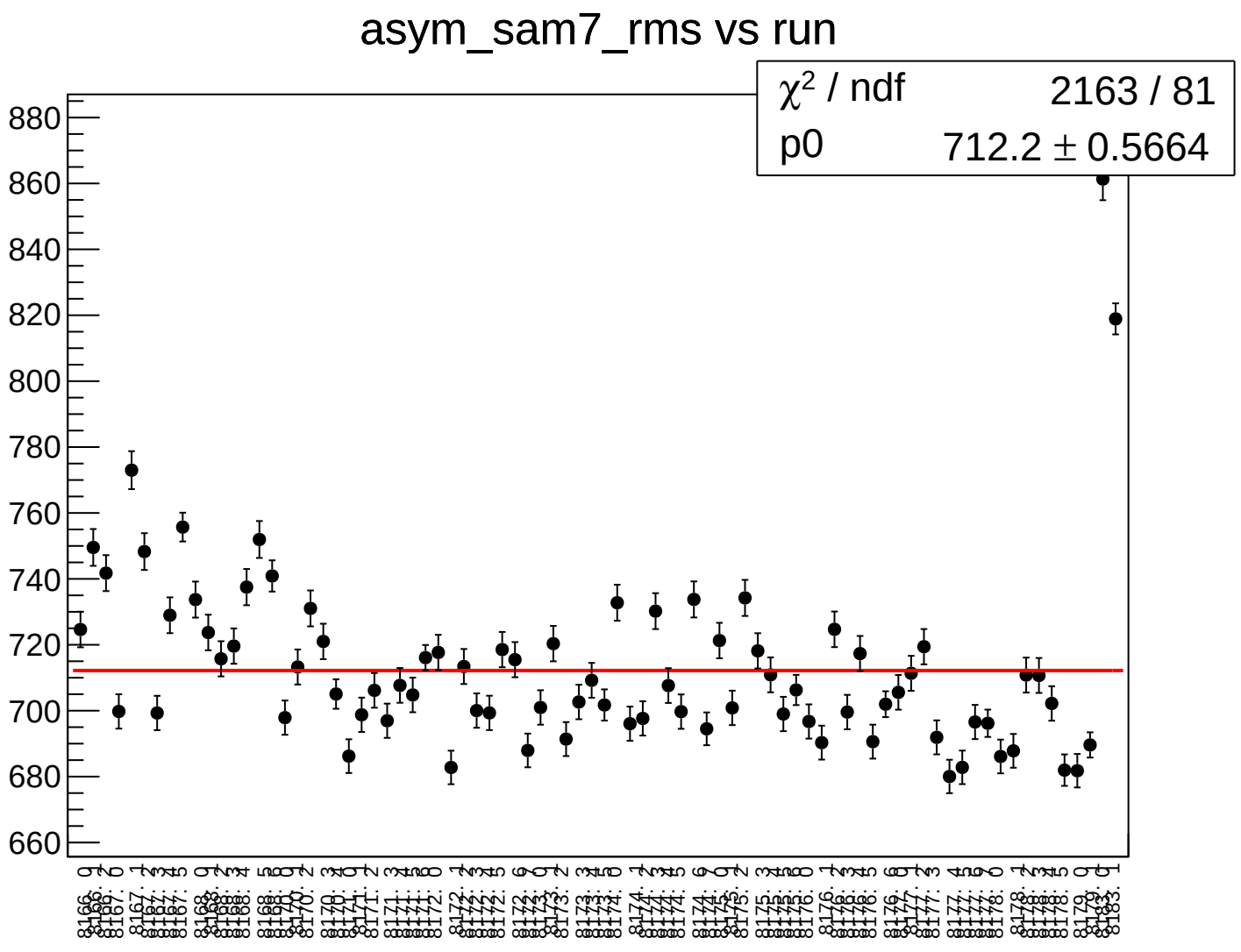

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 87.45 / 81
p0 −1061 ± 798.6
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 554.8
Std Dev 0
3
2
1
0
−1
−2

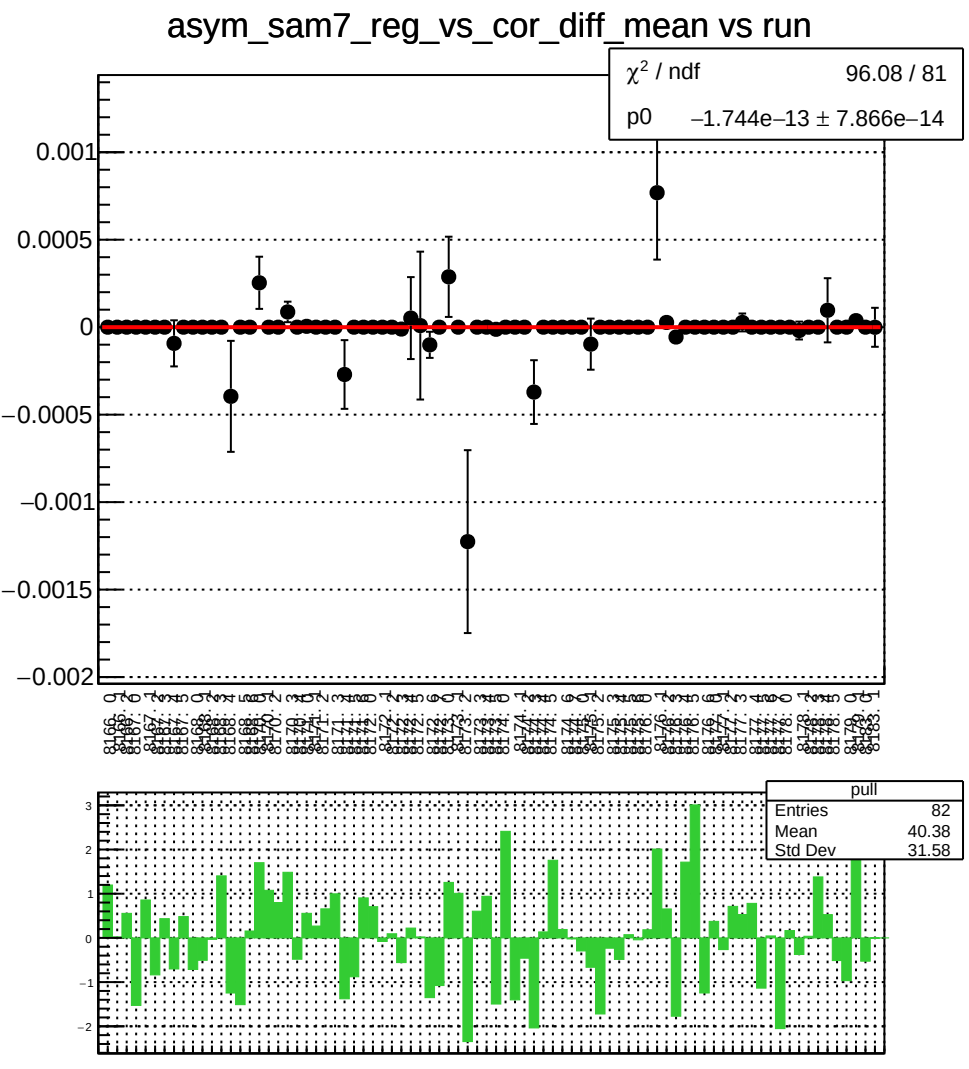

pull1D
Entries 82
Mean 0.0008885
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

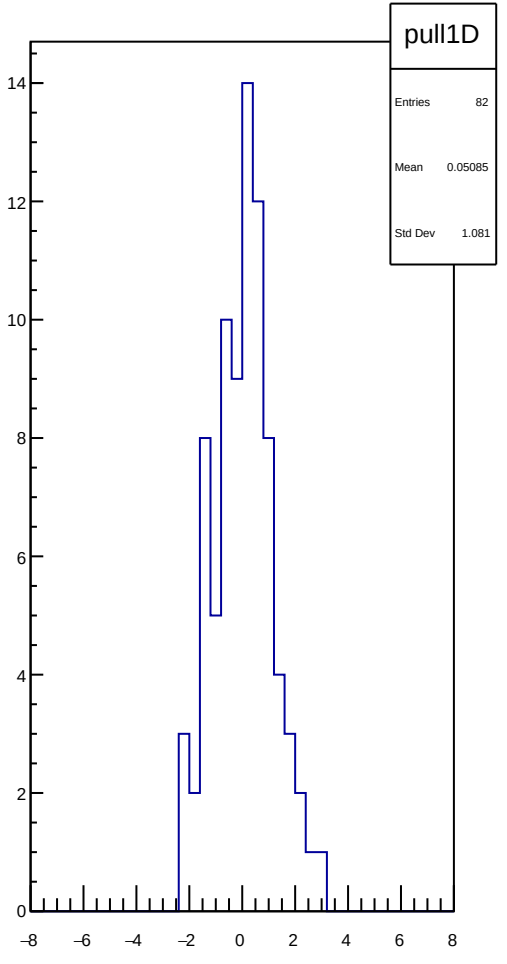

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 2072 / 81
p0 710 ± 0.5647
860
840
820
800
780
760
740
720
700
680
660

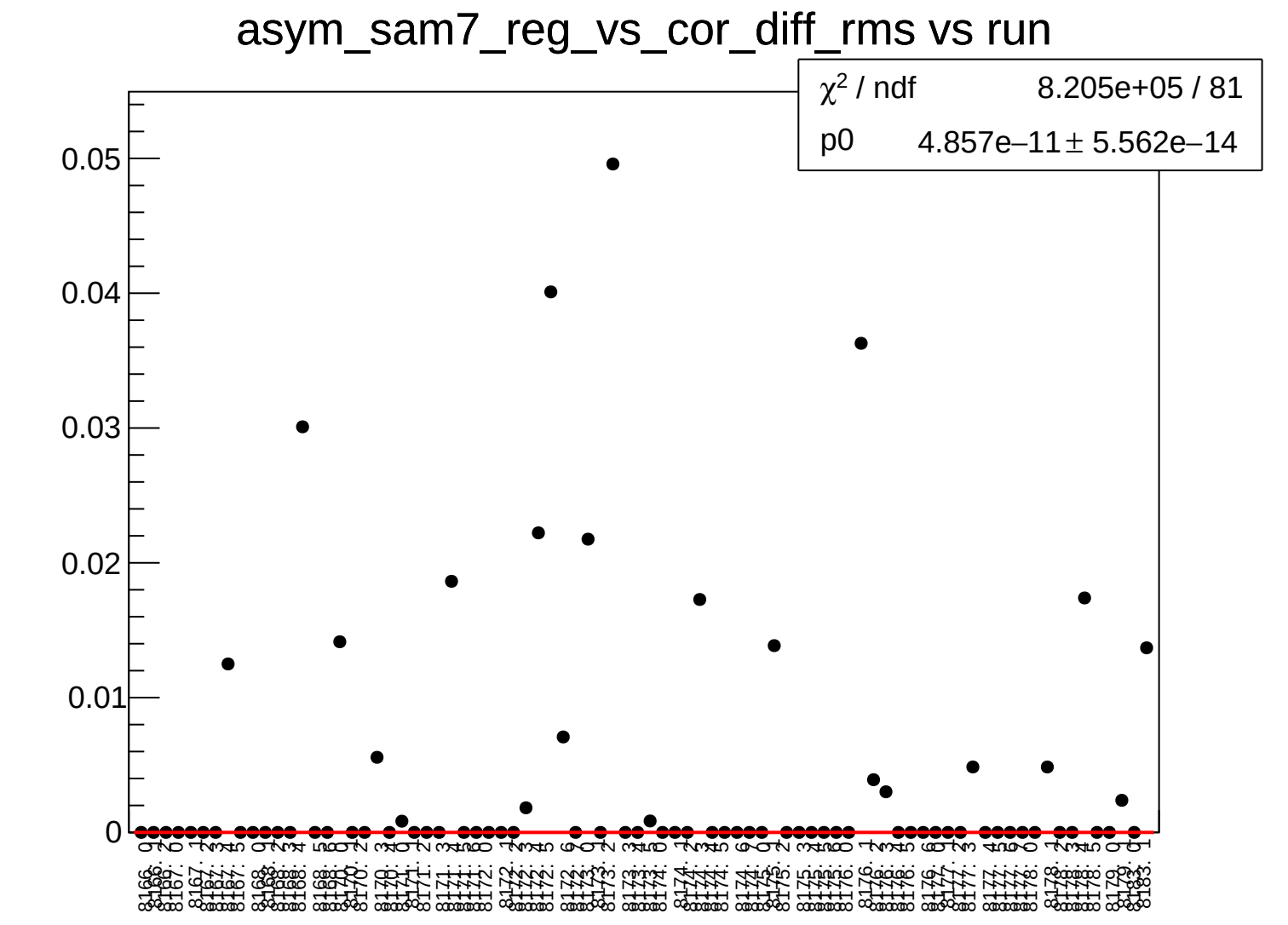

asym_sam7_mean vs run
χ² / ndf 87.19 / 81
p0 1015 ± 801.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 353.1
Std Dev 0
2
1
0
−1
−2
−3

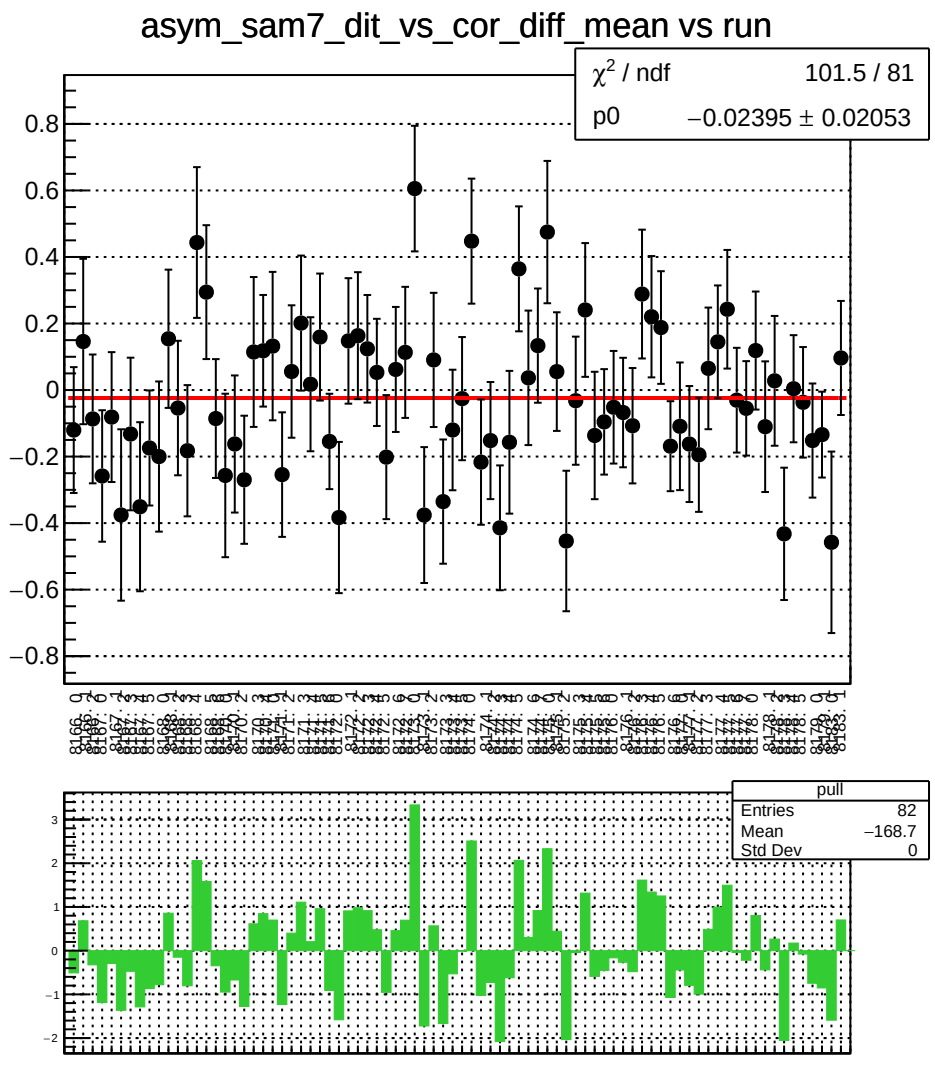

pull1D
Entries 82
Mean −0.002087
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

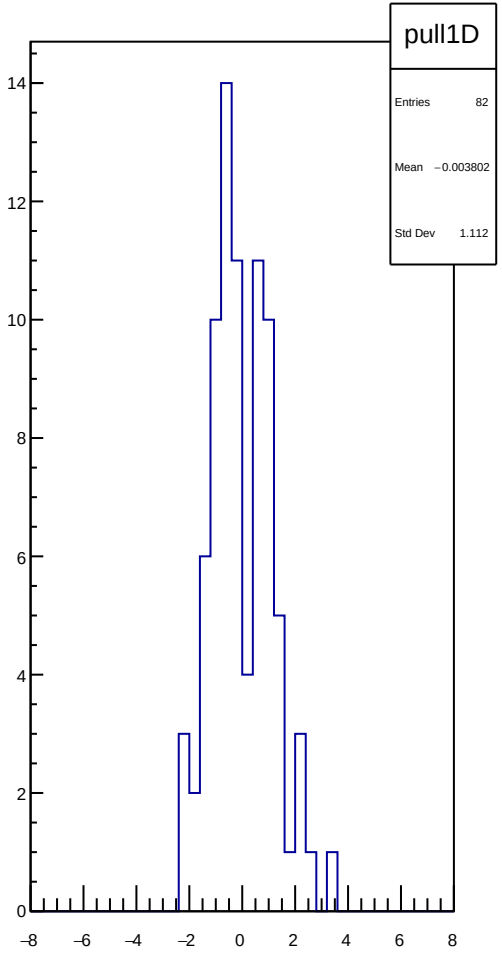

asym_sam7_rms vs run
χ^2 / ndf 2163 / 81
p0 712.2 ± 0.5664
880
860
840
820
800
780
760
740
720
700
680
660


asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 96.08 / 81
p0 −1.744e−13 ± 7.866e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 82
Mean 40.38
Std Dev 31.58
3
2
1
0
−1
−2

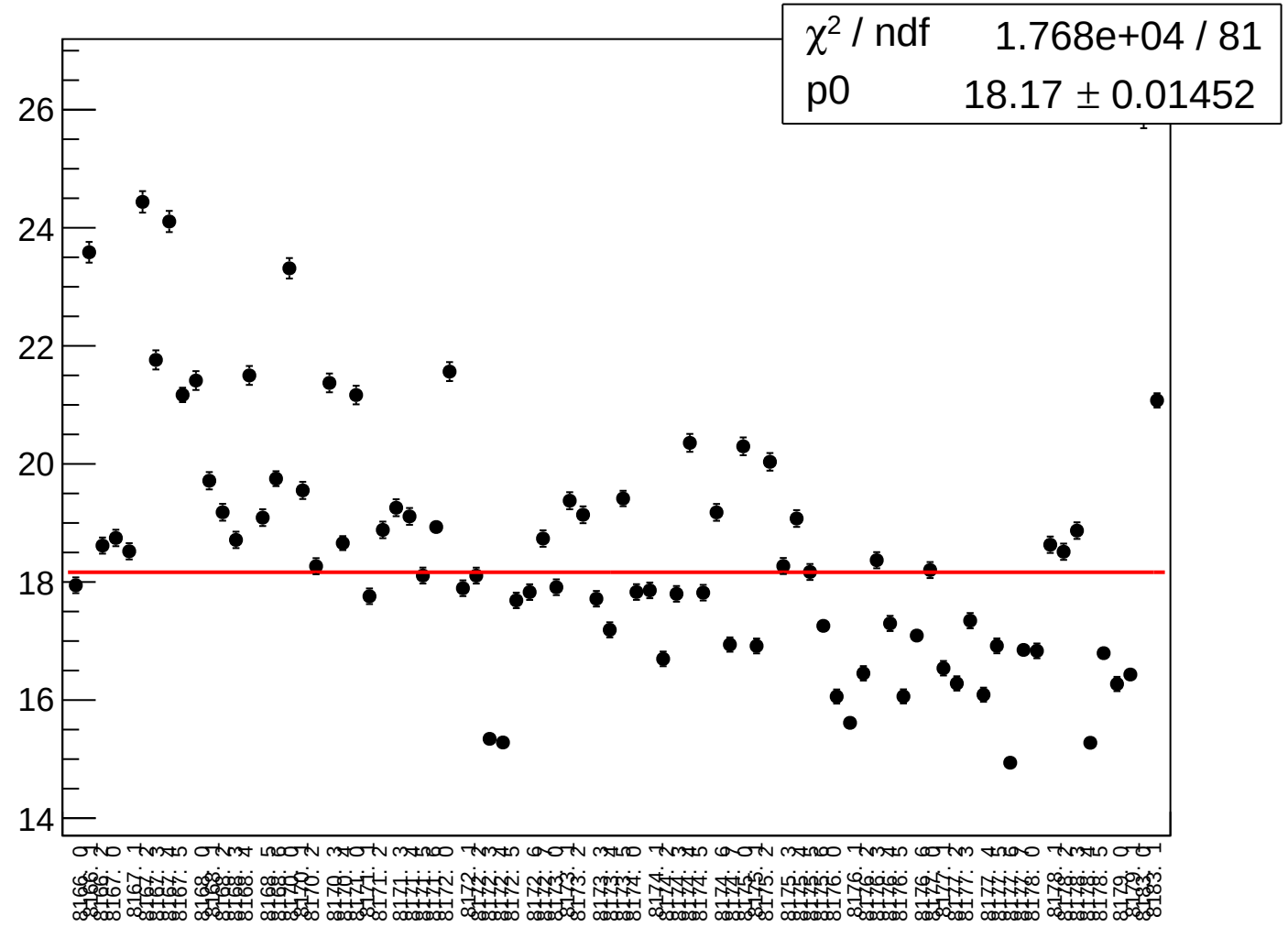

pull1D
Entries 82
Mean 0.05085
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

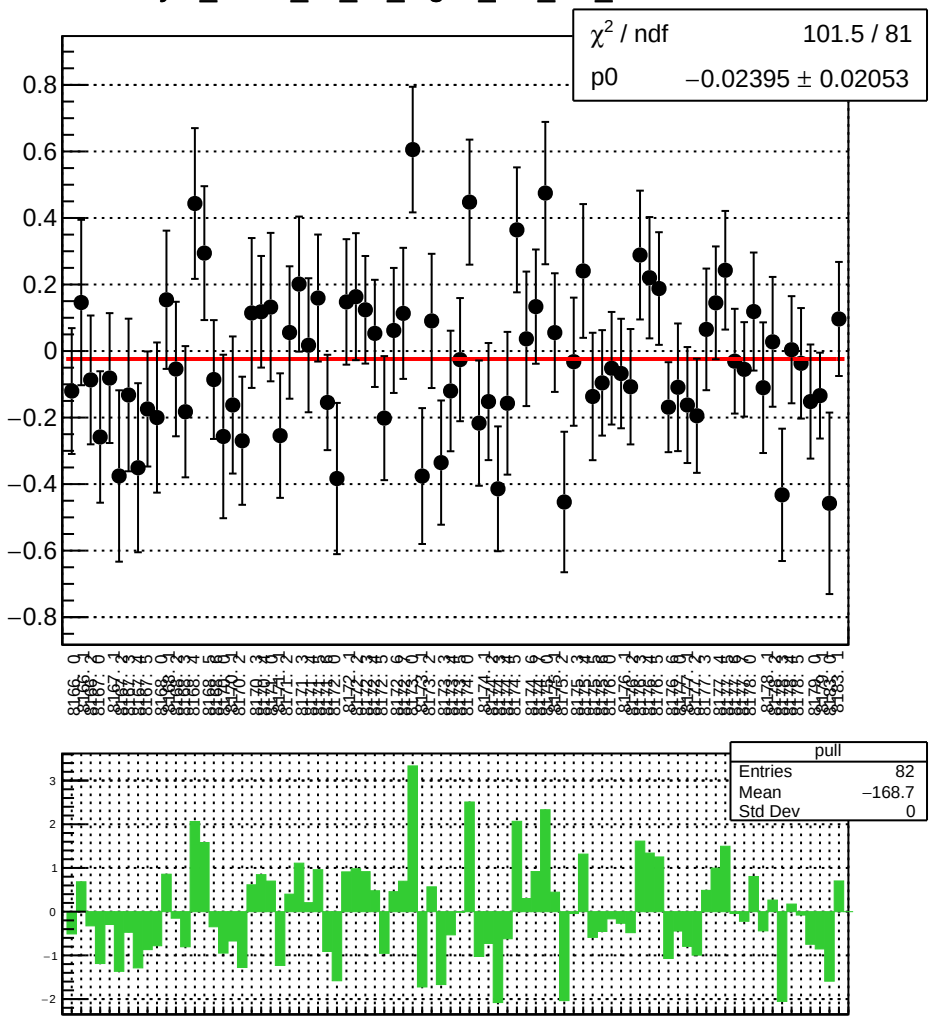

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 8.205e+05 / 81
p0 4.857e−11 ± 5.562e−14
0.05
0.04
0.03
0.02
0.01
0

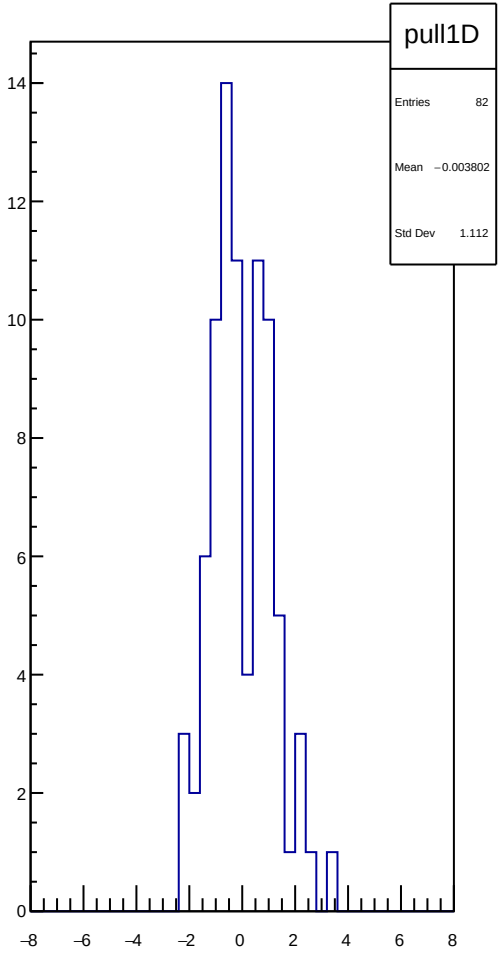

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 101.5 / 81
p0 −0.02395 ± 0.02053
pull
Entries 82
Mean −168.7
Std Dev 0

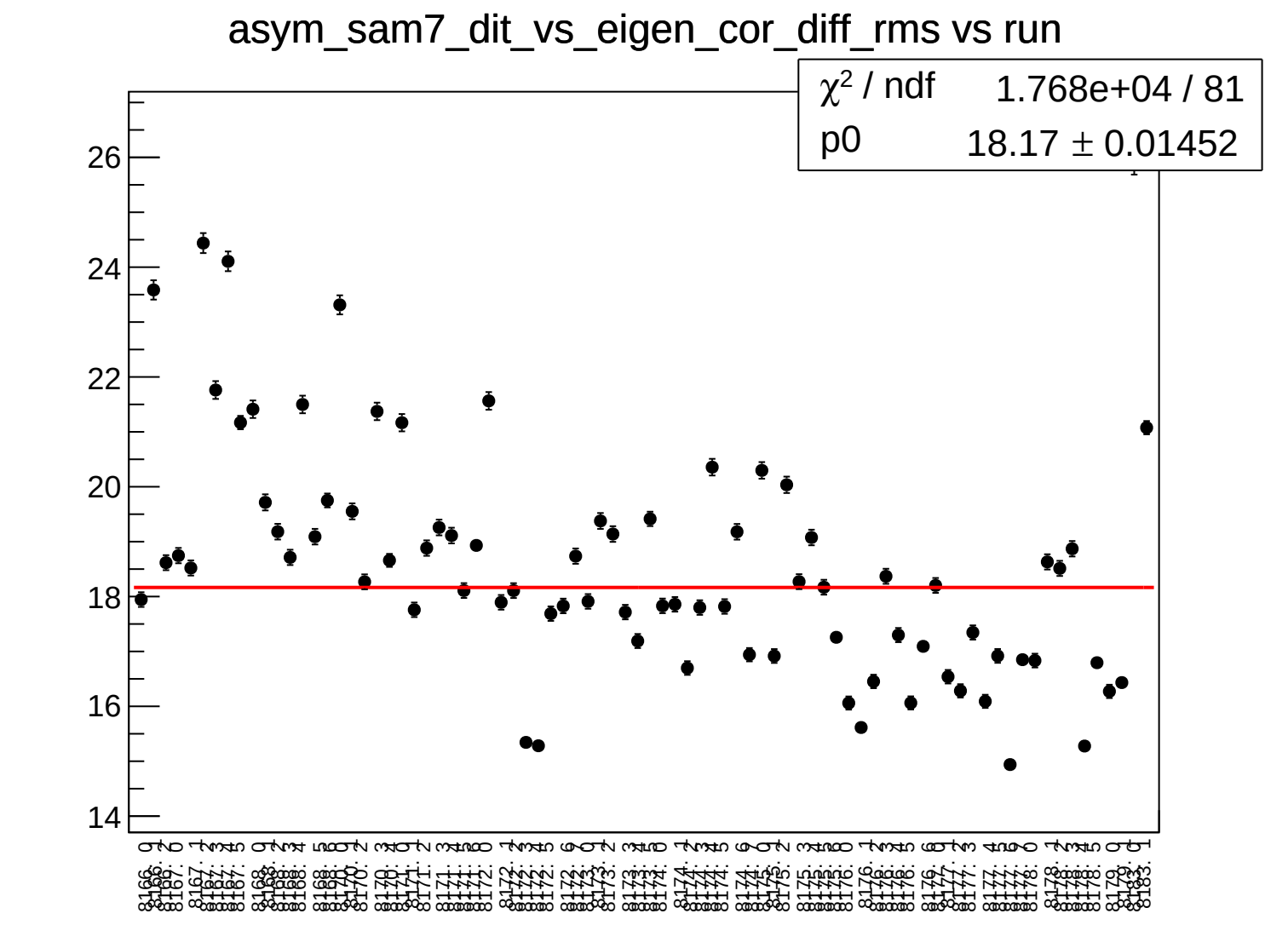

pull1D
Entries 82
Mean −0.003802
Std Dev 1.112

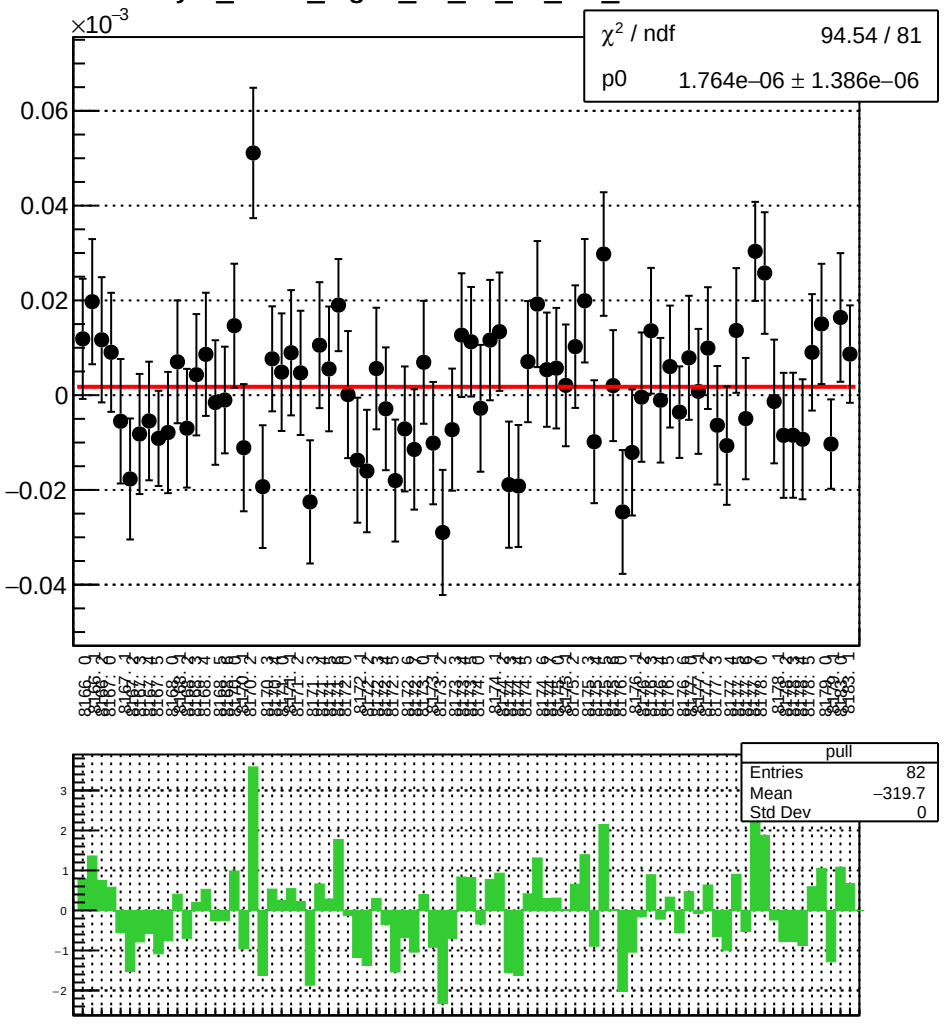
asym_sam7_dit_vs_cor_diff_rms vs run

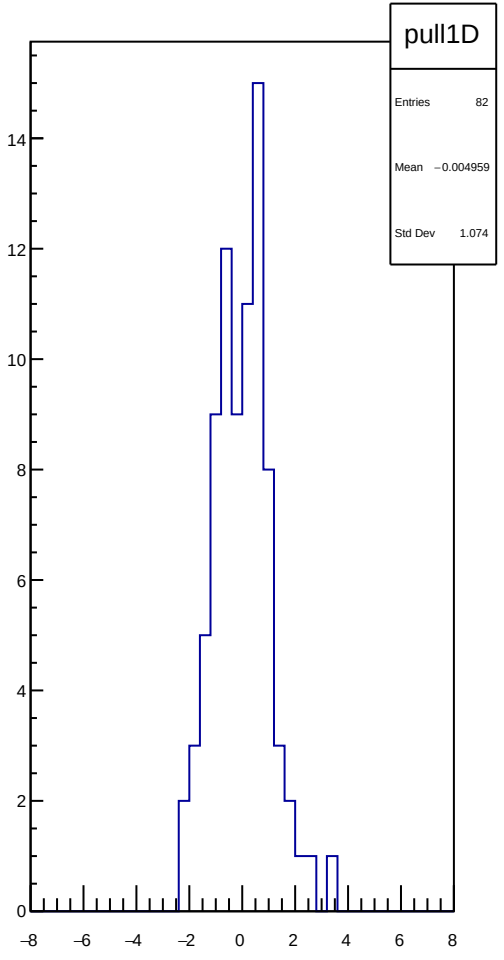


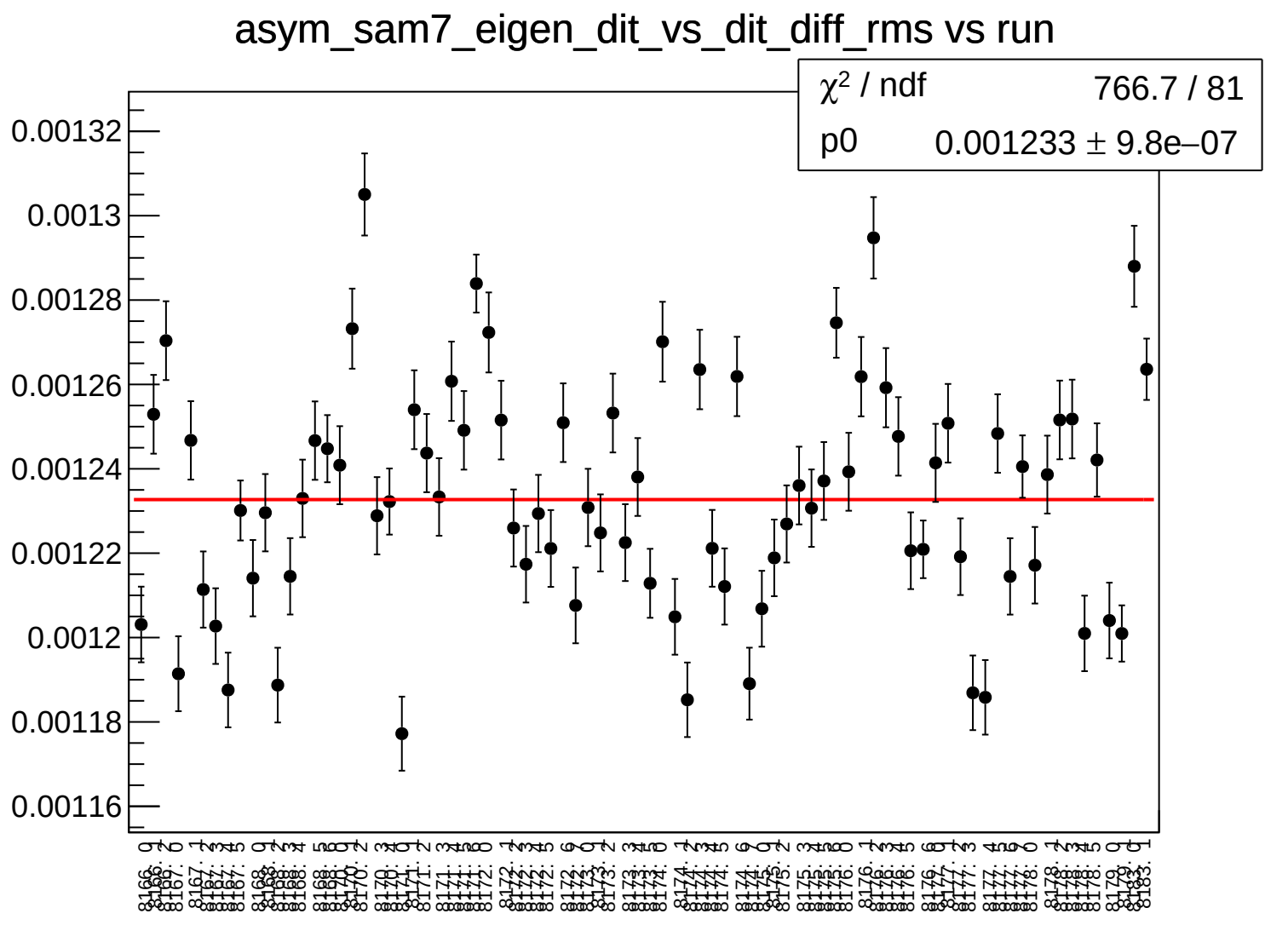

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.5 / 81
p0 −0.02395 ± 0.02053
pull
Entries 82
Mean −168.7
Std Dev 0

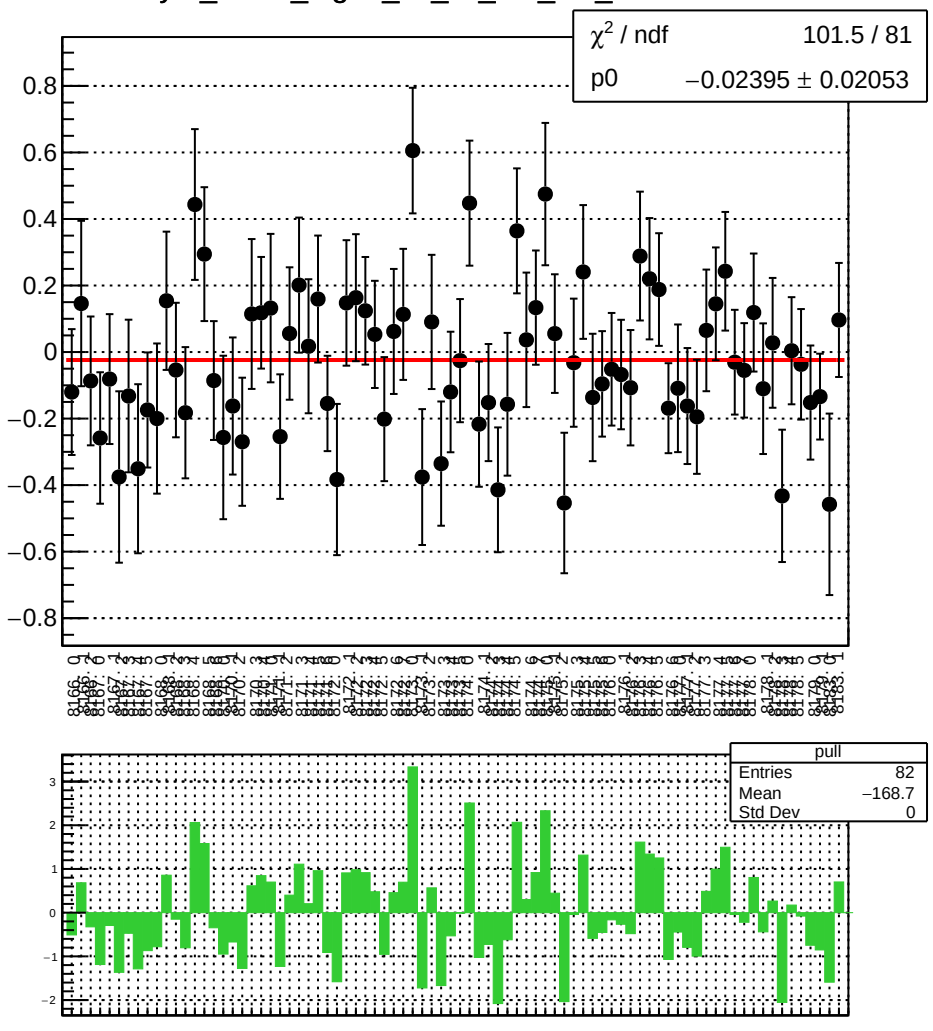

pull1D
Entries 82
Mean −0.003802
Std Dev 1.112

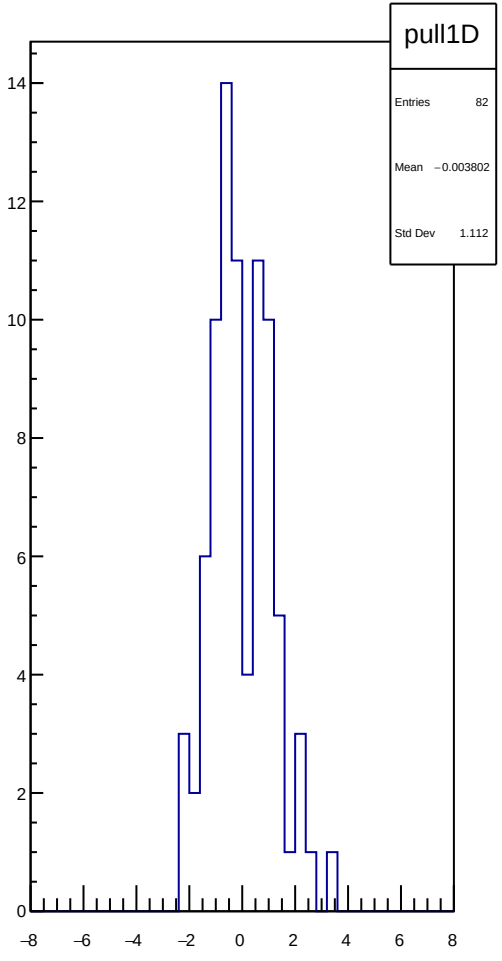

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.768e+04 / 81
p0 18.17 ± 0.01452
26
24
22
20
18
16
14

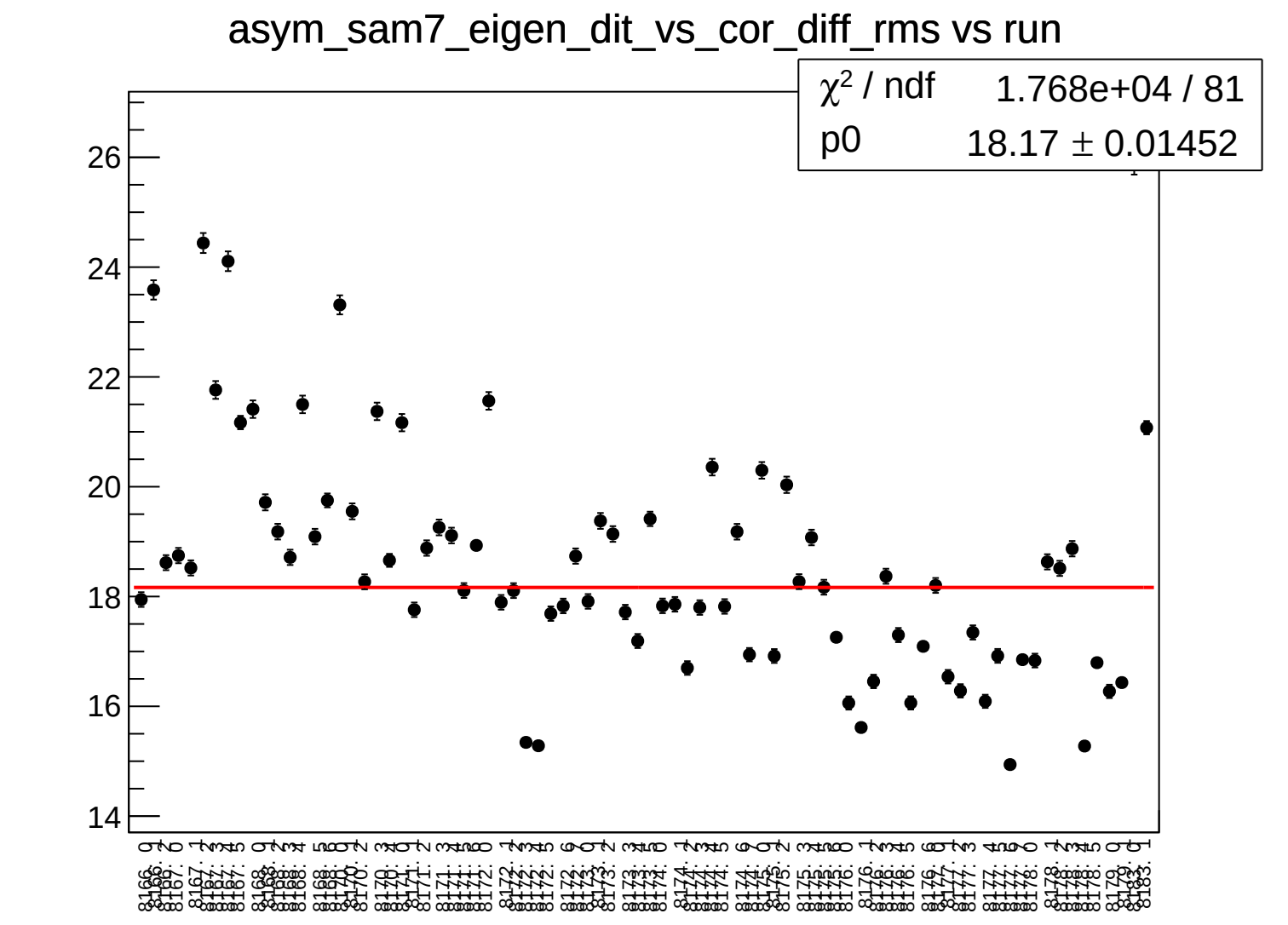

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.54 / 81
p0 1.764e−06 ± 1.386e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 82
Mean −319.7
Std Dev 0
3
2
1
0
−1
−2

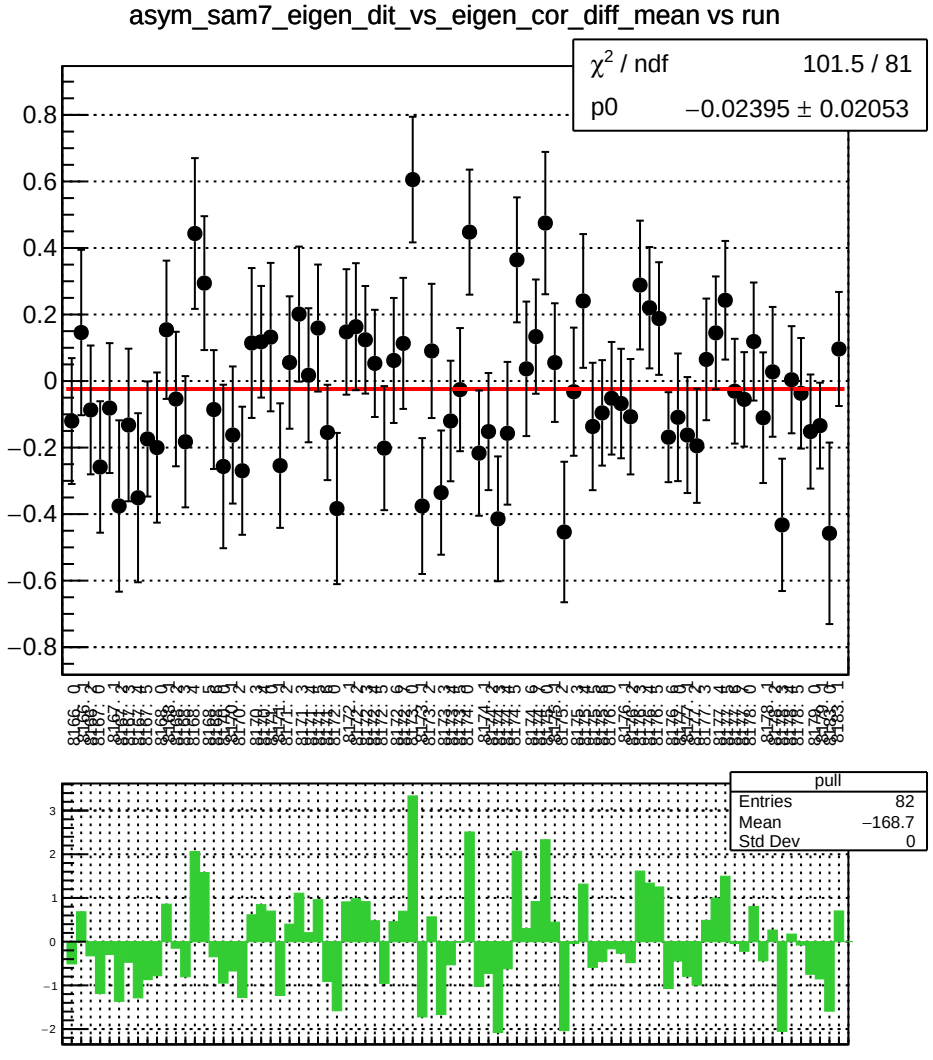

pull1D
Entries 82
Mean −0.004959
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

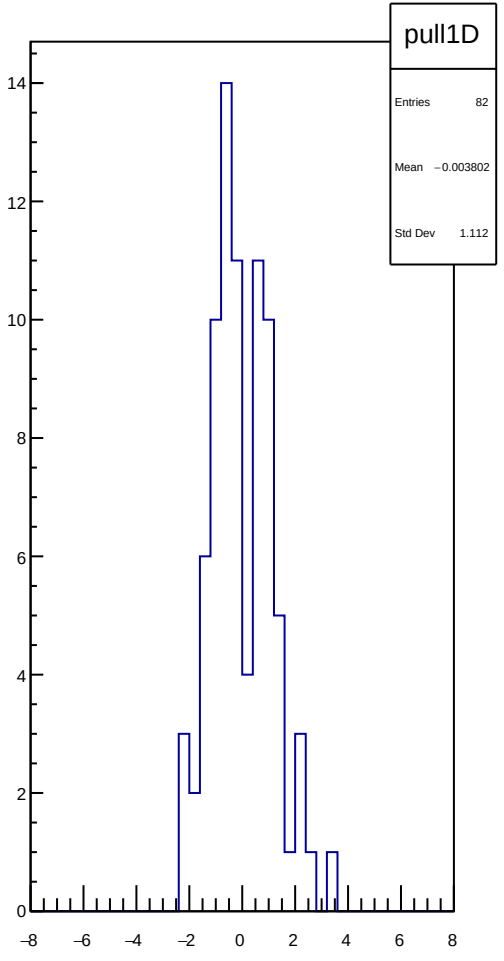

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 766.7 / 81
p0 0.001233 ± 9.8e–07
0.00132
0.0013
0.00128
0.00126
0.00124
0.00122
0.0012
0.00118
0.00116

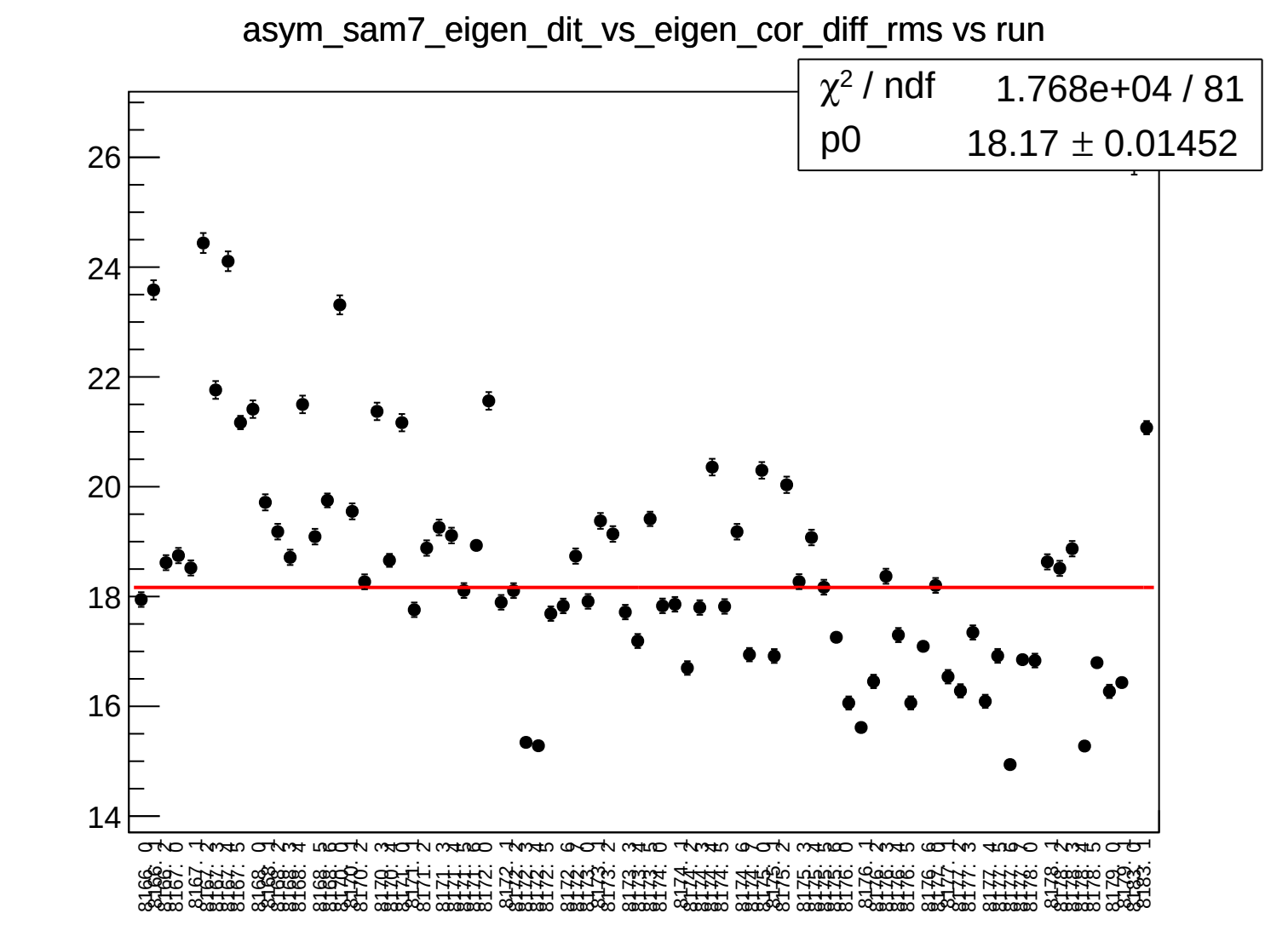

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 101.5 / 81
p0 −0.02395 ± 0.02053
pull
Entries 82
Mean −168.7
Std Dev 0

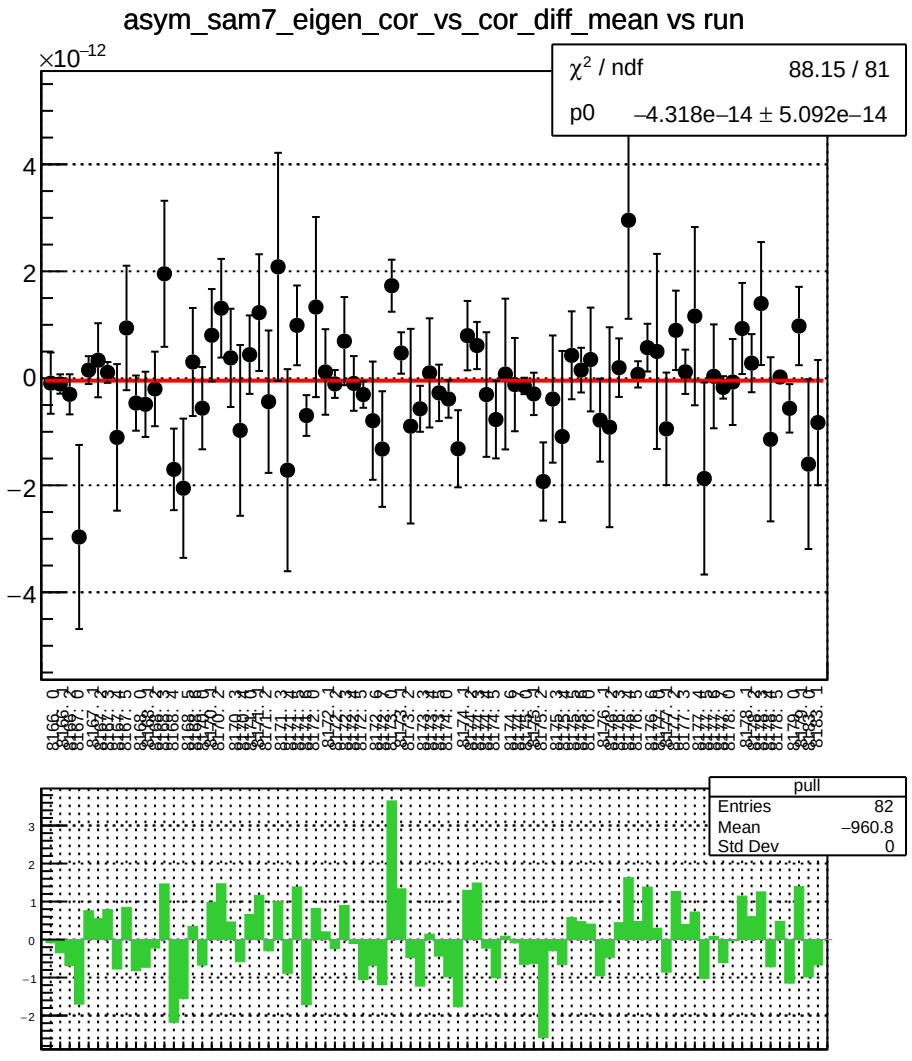

pull1D
Entries 82
Mean −0.003802
Std Dev 1.112

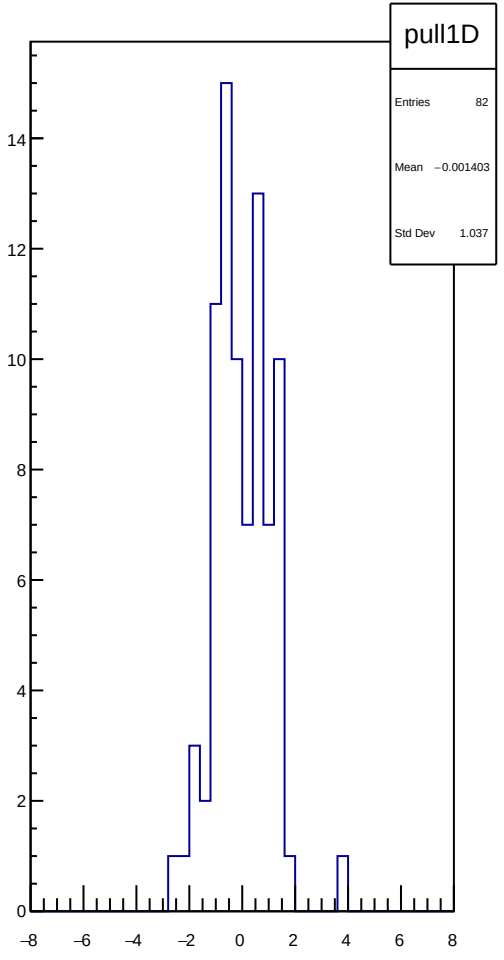

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.768e+04 / 81
p0 18.17 ± 0.01452
26
24
22
20
18
16
14

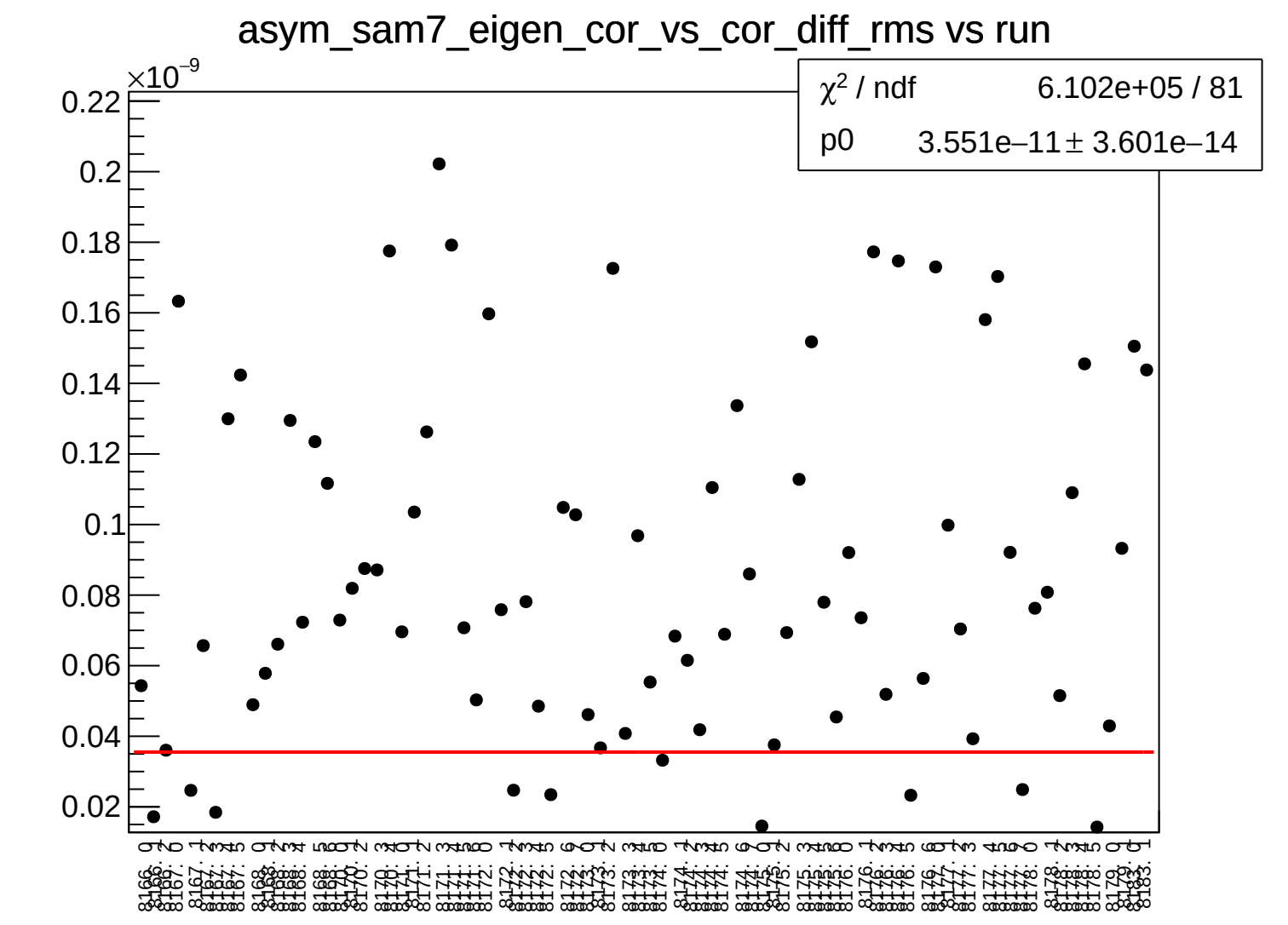

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 101.5 / 81
p0 −0.02395 ± 0.02053
pull
Entries 82
Mean −168.7
Std Dev 0

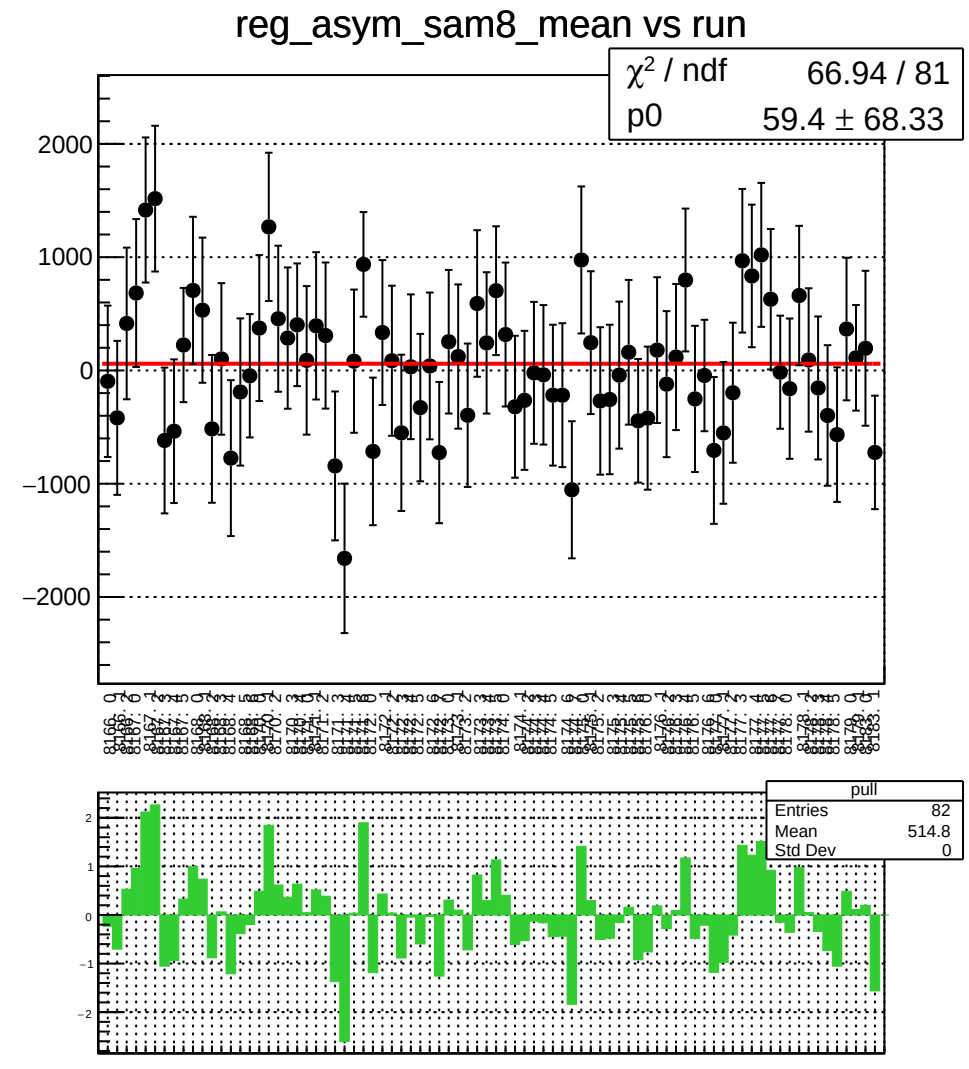

pull1D
Entries 82
Mean −0.003802
Std Dev 1.112

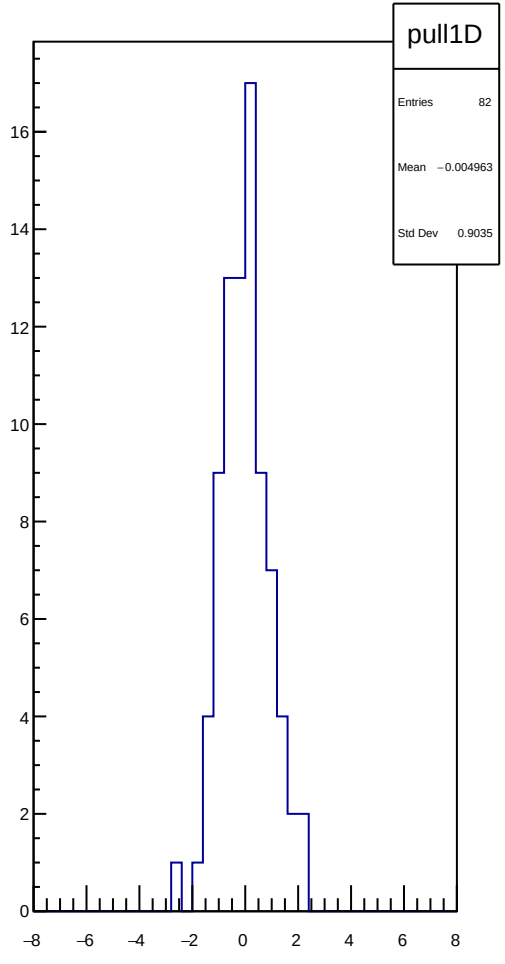

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.768e+04 / 81
p0 18.17 ± 0.01452
26
24
22
20
18
16
14

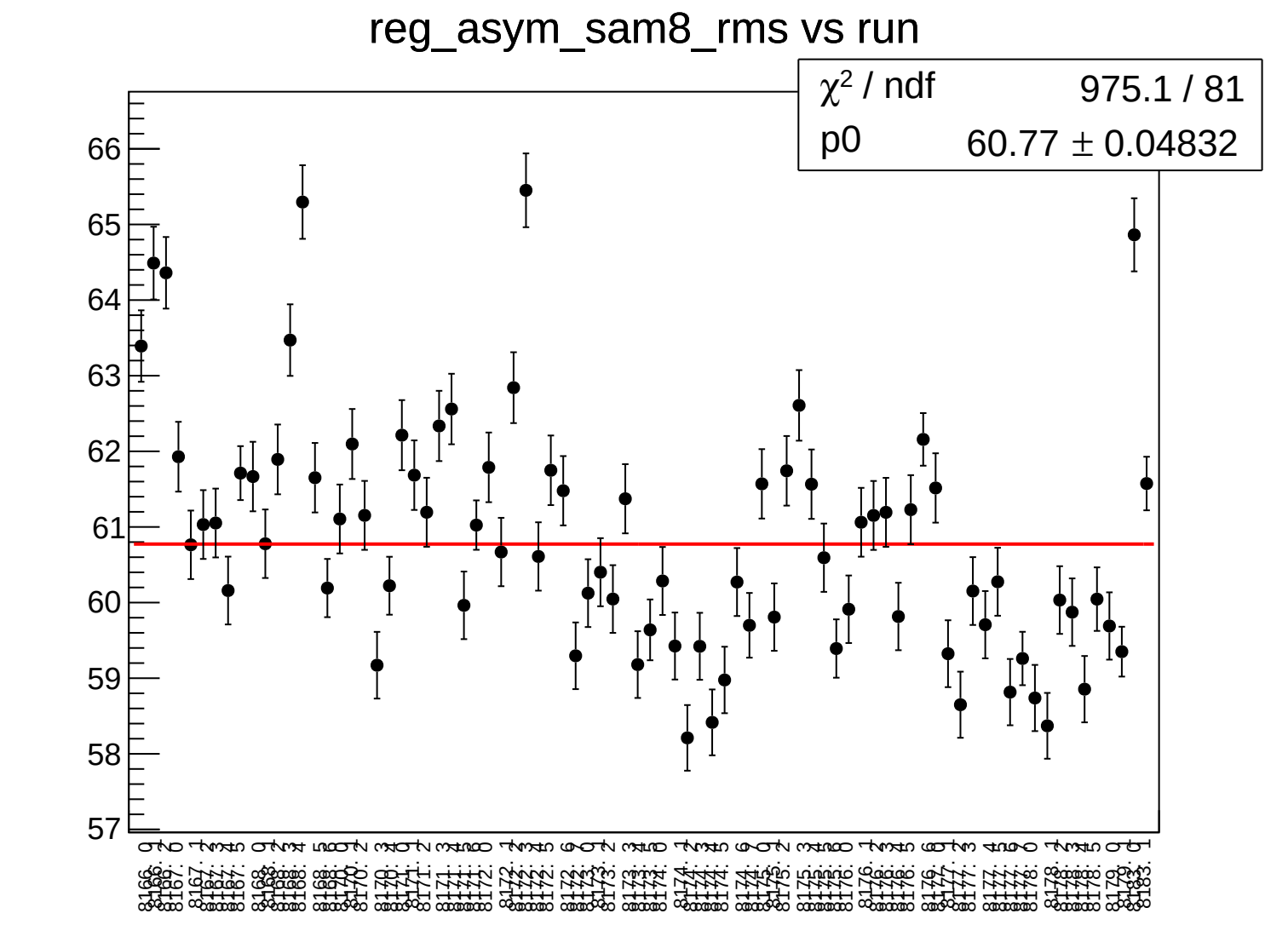

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.15 / 81
p0 −4.318e−14 ± 5.092e−14
pull
Entries 82
Mean −960.8
Std Dev 0

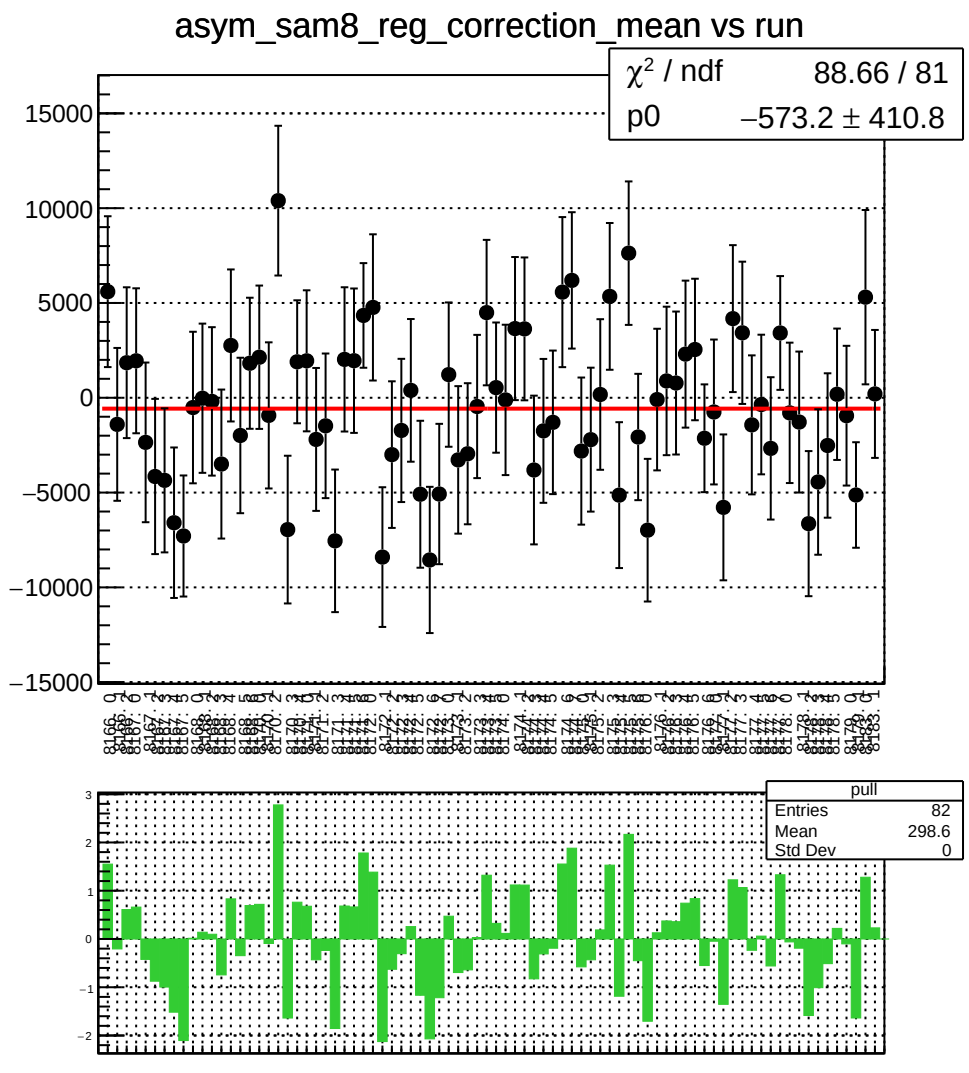

pull1D
Entries 82
Mean −0.001403
Std Dev 1.037

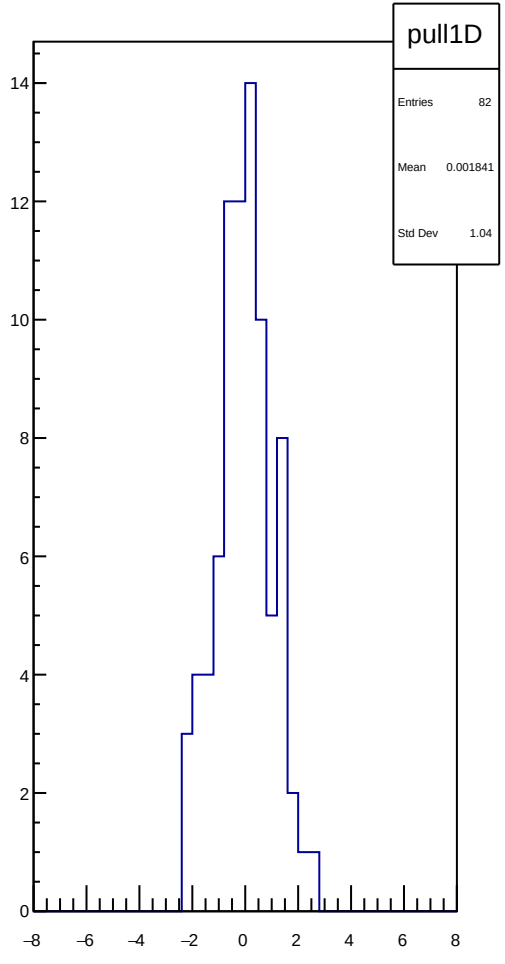

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.102e+05 / 81
p0 3.551e−11 ± 3.601e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

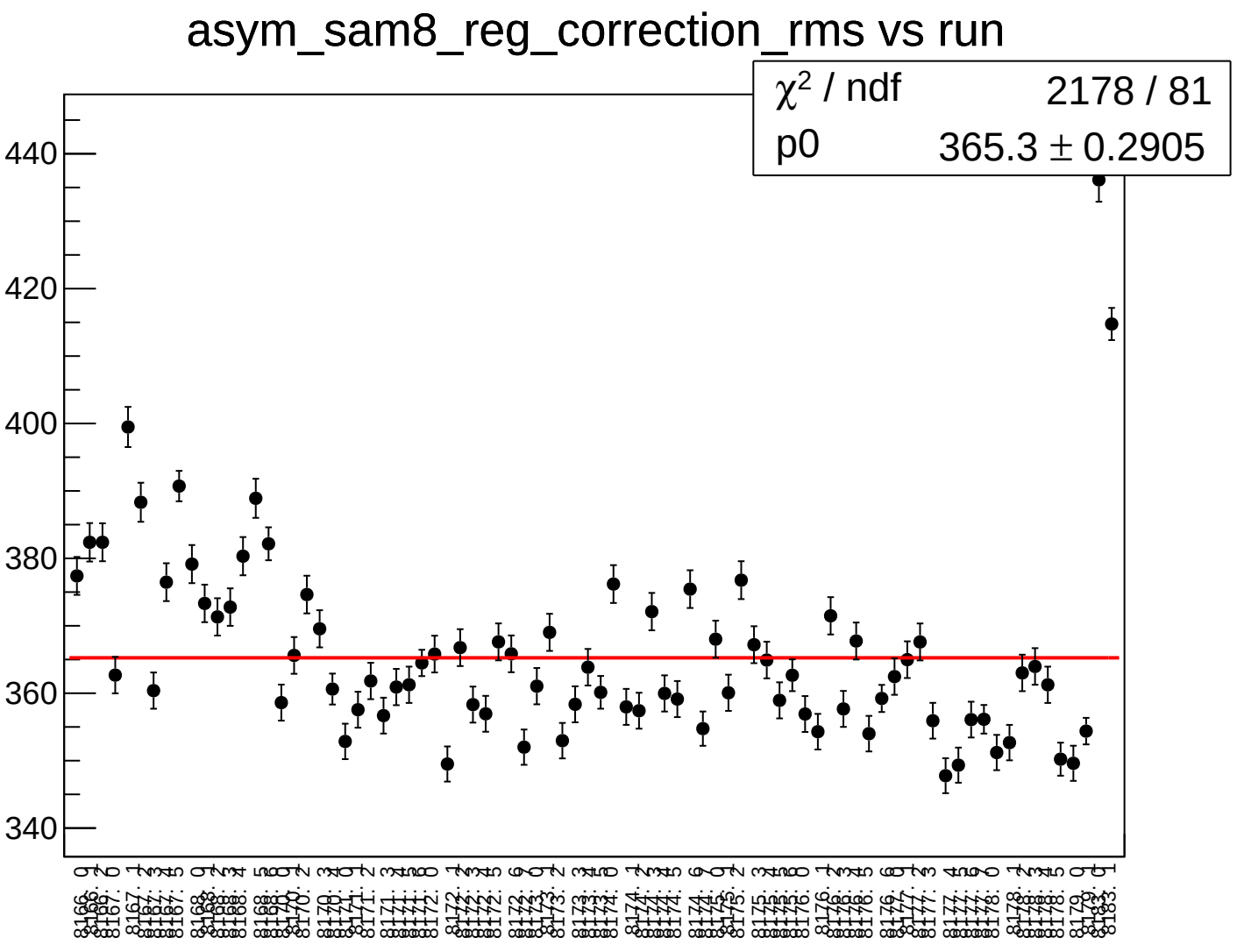

reg_asym_sam8_mean vs run
χ² / ndf 66.94 / 81
p0 59.4 ± 68.33
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 514.8
Std Dev 0
2
1
0
−1
−2

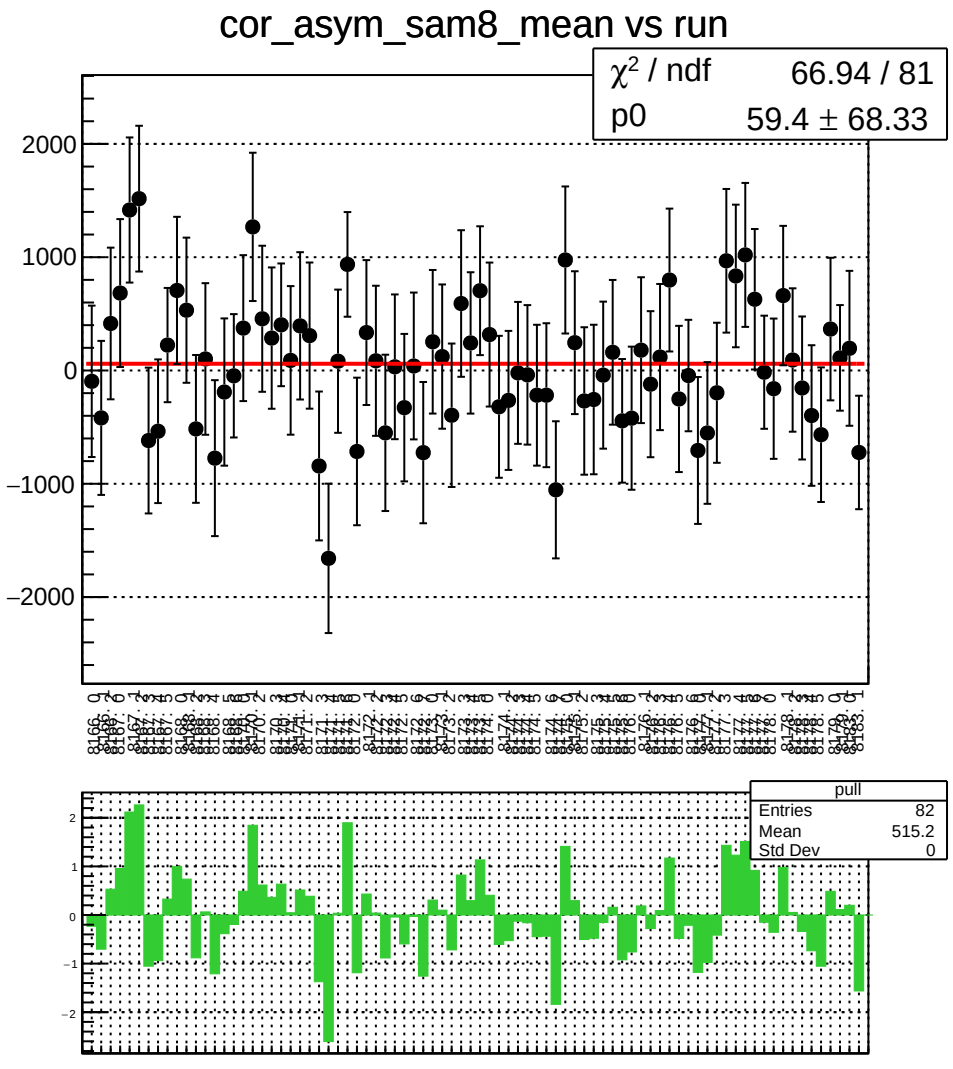

pull1D
Entries 82
Mean −0.004963
Std Dev 0.9035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

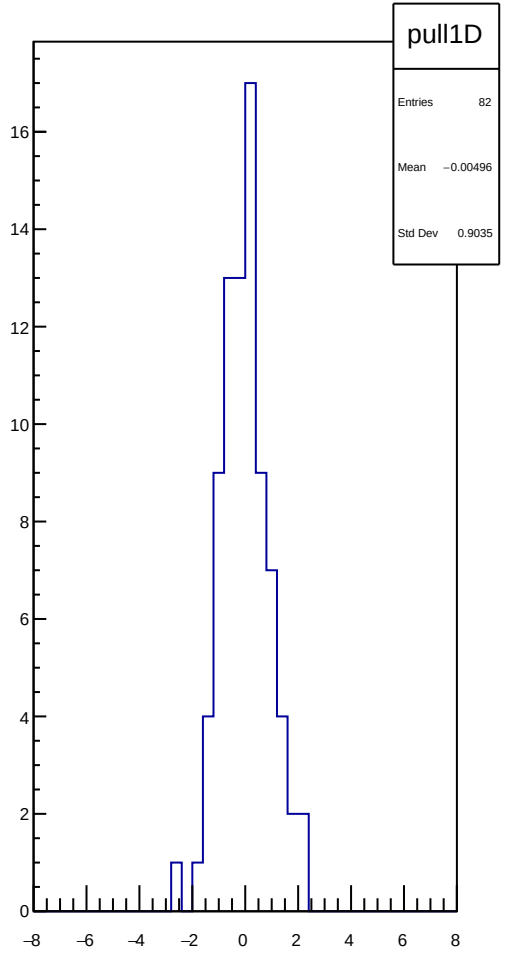

reg_asym_sam8_rms vs run
χ^2 / ndf 975.1 / 81
p0 60.77 ± 0.04832
66
65
64
63
62
61
60
59
58
57

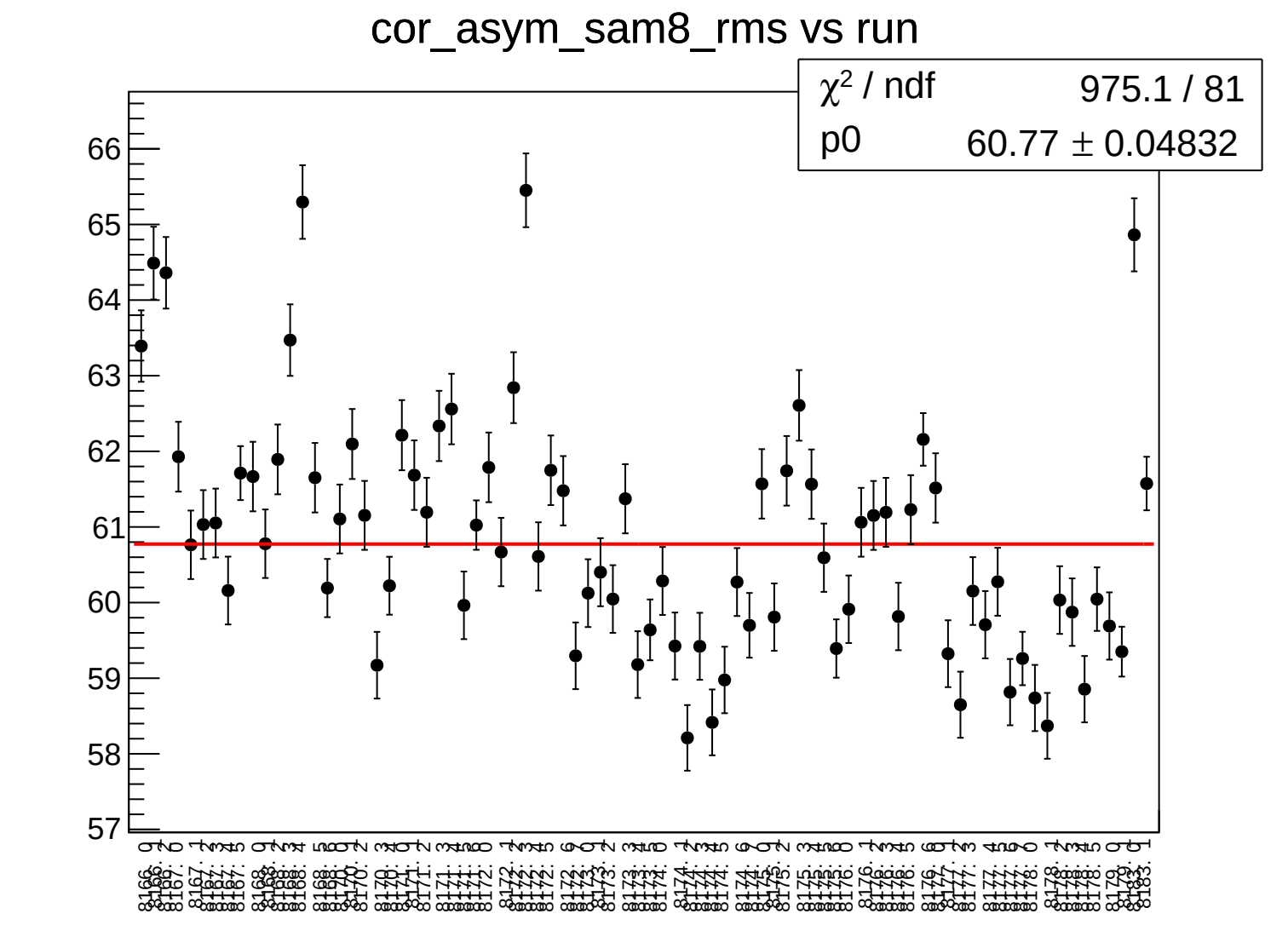

asym_sam8_reg_correction_mean vs run
χ² / ndf 88.66 / 81
p0 −573.2 ± 410.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 298.6
Std Dev 0
3
2
1
0
−1
−2

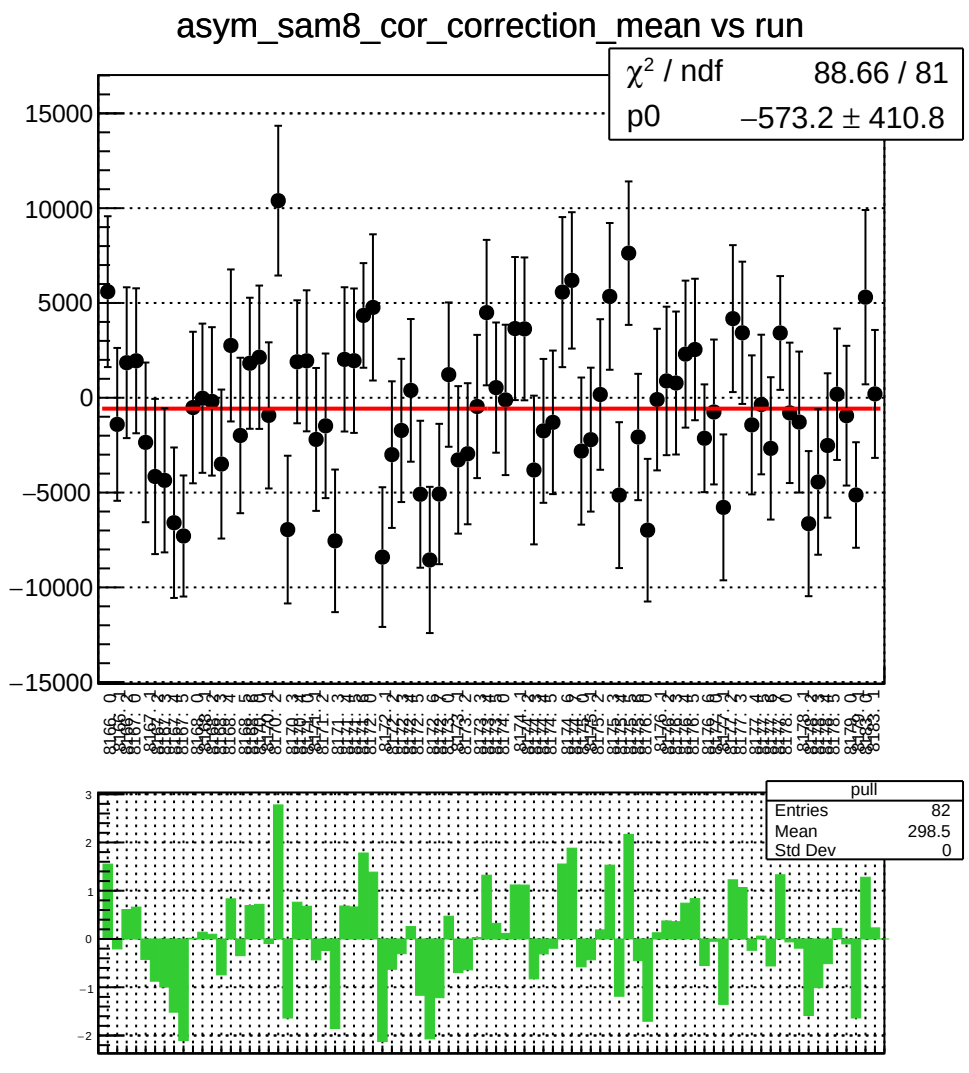

pull1D
Entries 82
Mean 0.001841
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

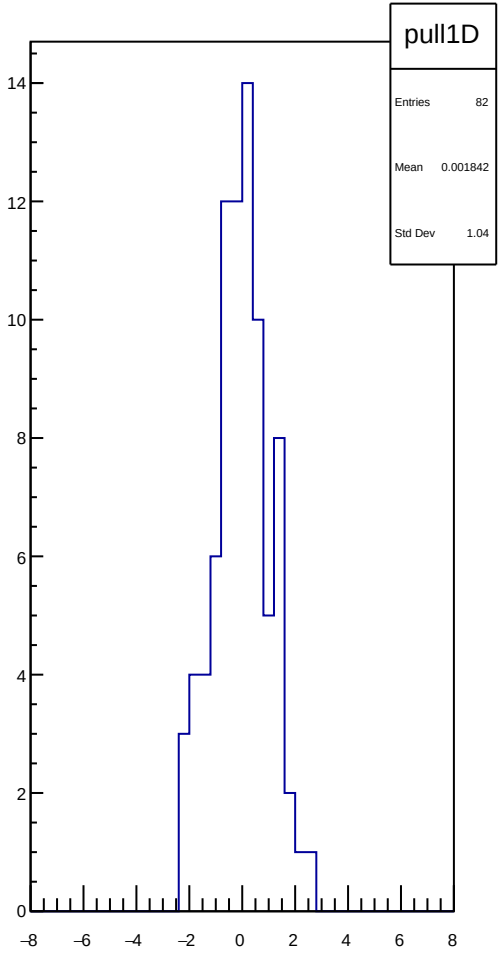

asym_sam8_reg_correction_rms vs run
χ² / ndf 2178 / 81
p0 365.3 ± 0.2905
440
420
400
380
360
340

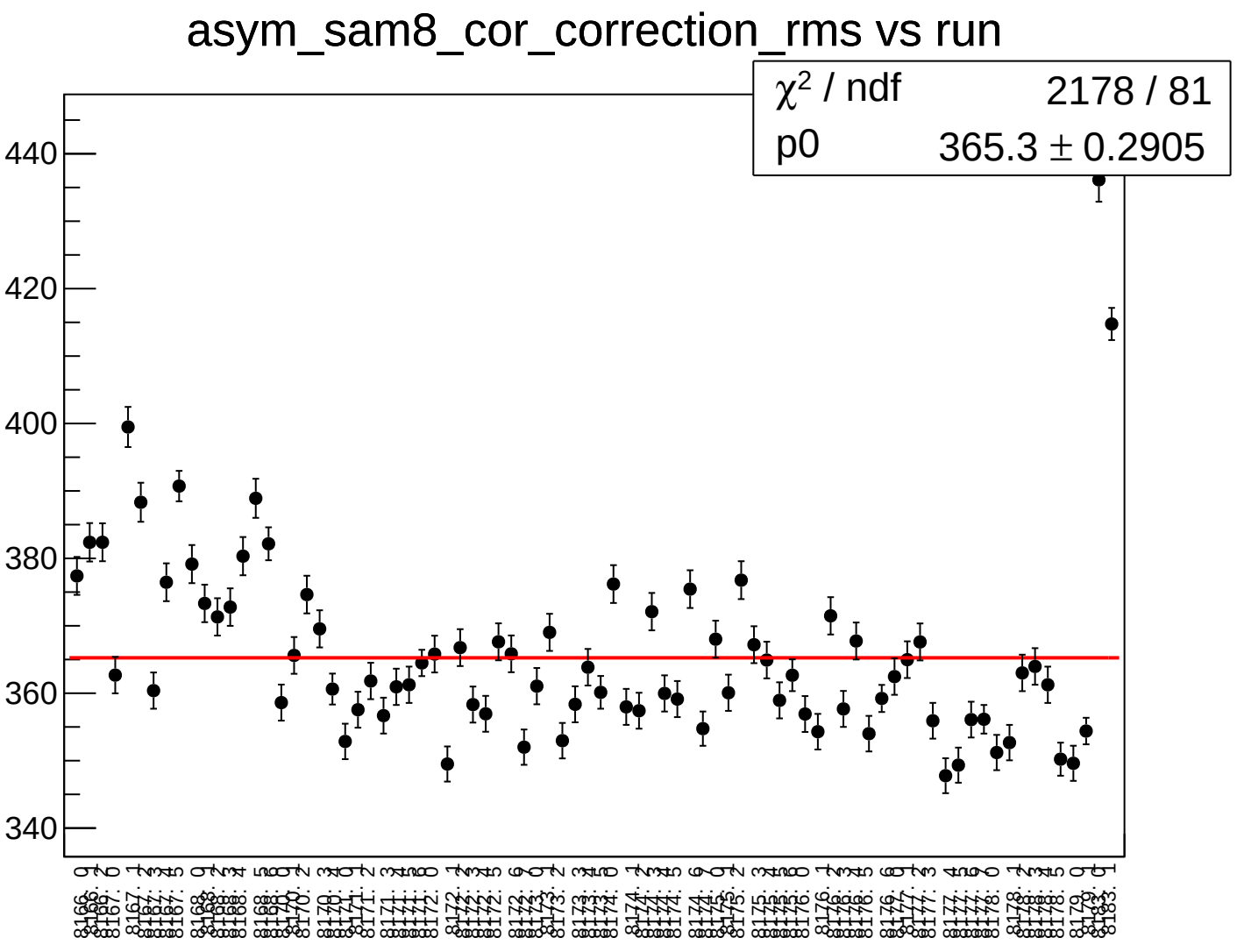

cor_asym_sam8_mean vs run
χ² / ndf 66.94 / 81
p0 59.4 ± 68.33
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 515.2
Std Dev 0
2
1
0
−1
−2

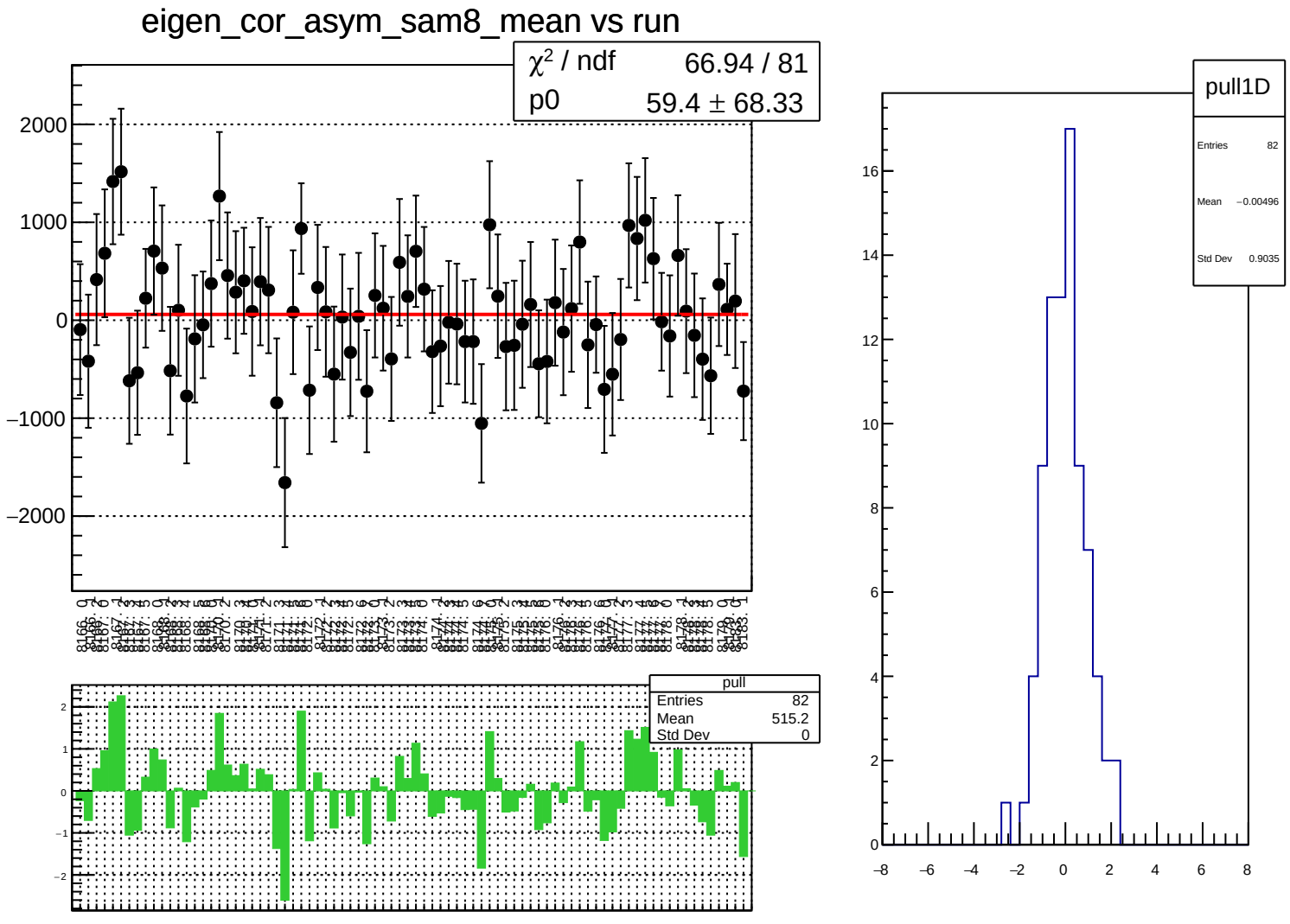

pull1D
Entries 82
Mean −0.00496
Std Dev 0.9035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

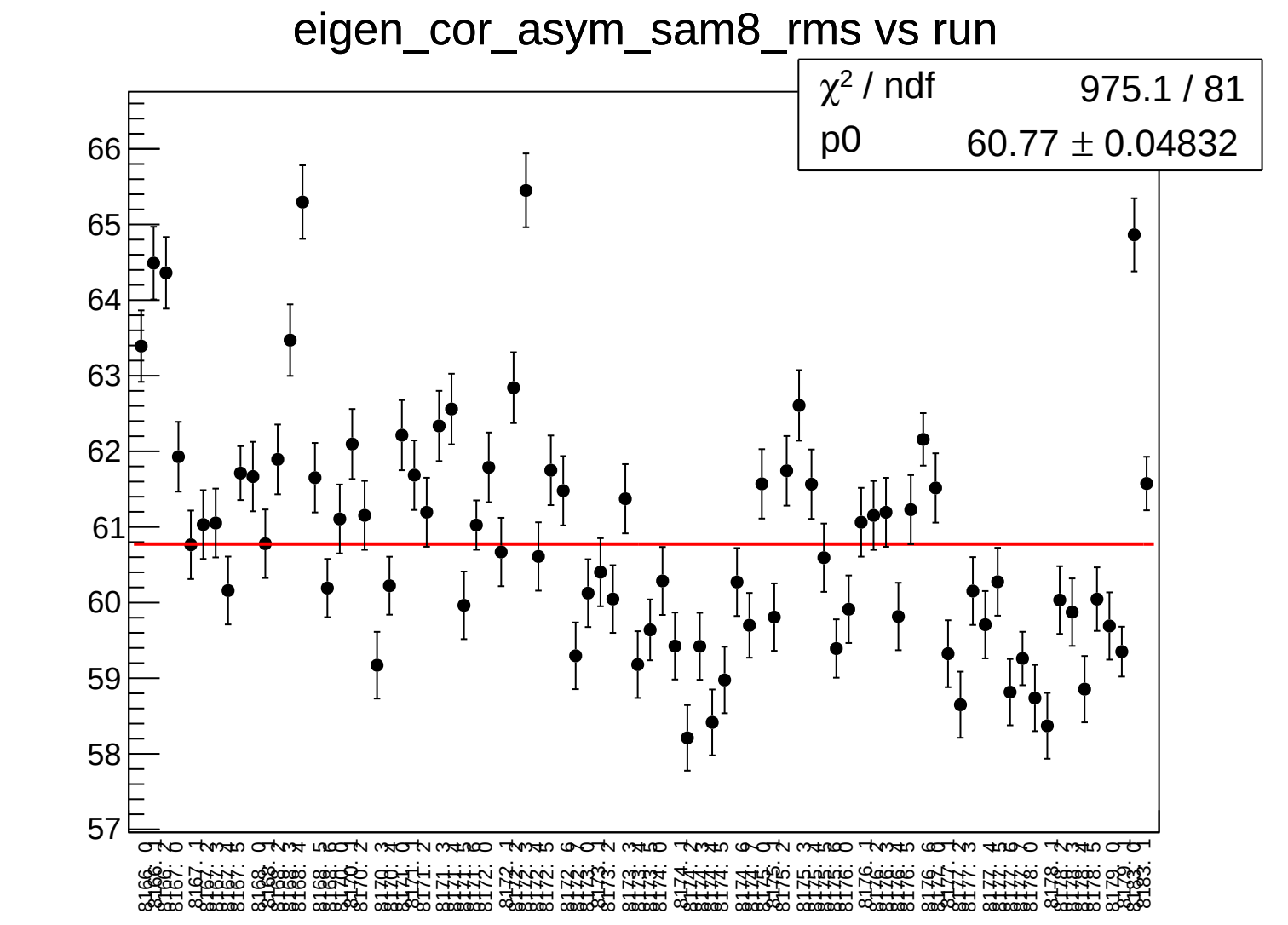

cor_asym_sam8_rms vs run
χ² / ndf 975.1 / 81
p0 60.77 ± 0.04832
66
65
64
63
62
61
60
59
58
57

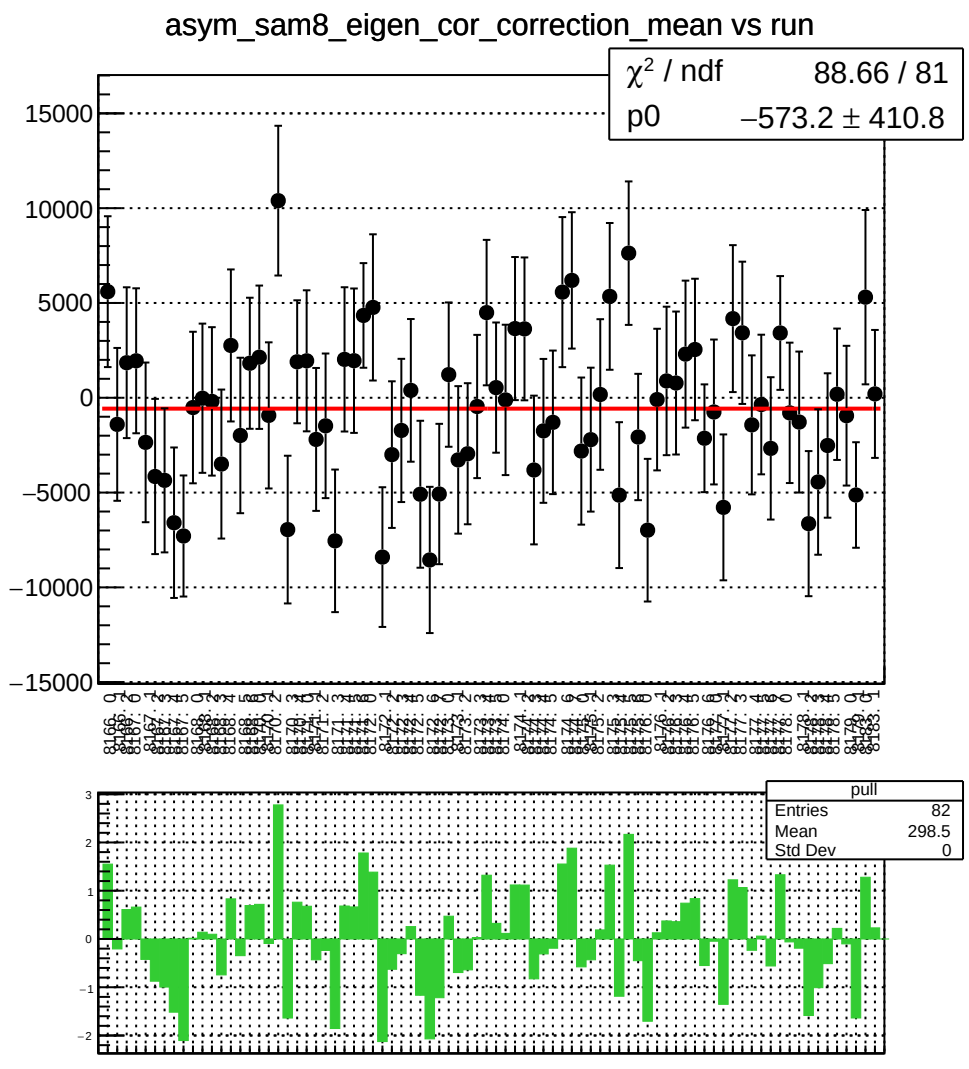

asym_sam8_cor_correction_mean vs run
χ² / ndf 88.66 / 81
p0 −573.2 ± 410.8
pull
Entries 82
Mean 298.5
Std Dev 0

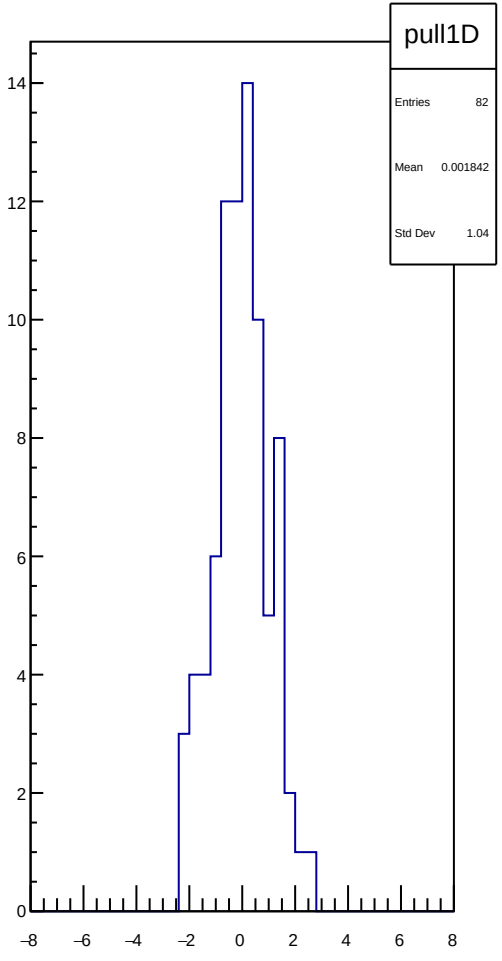

pull1D
Entries 82
Mean 0.001842
Std Dev 1.04

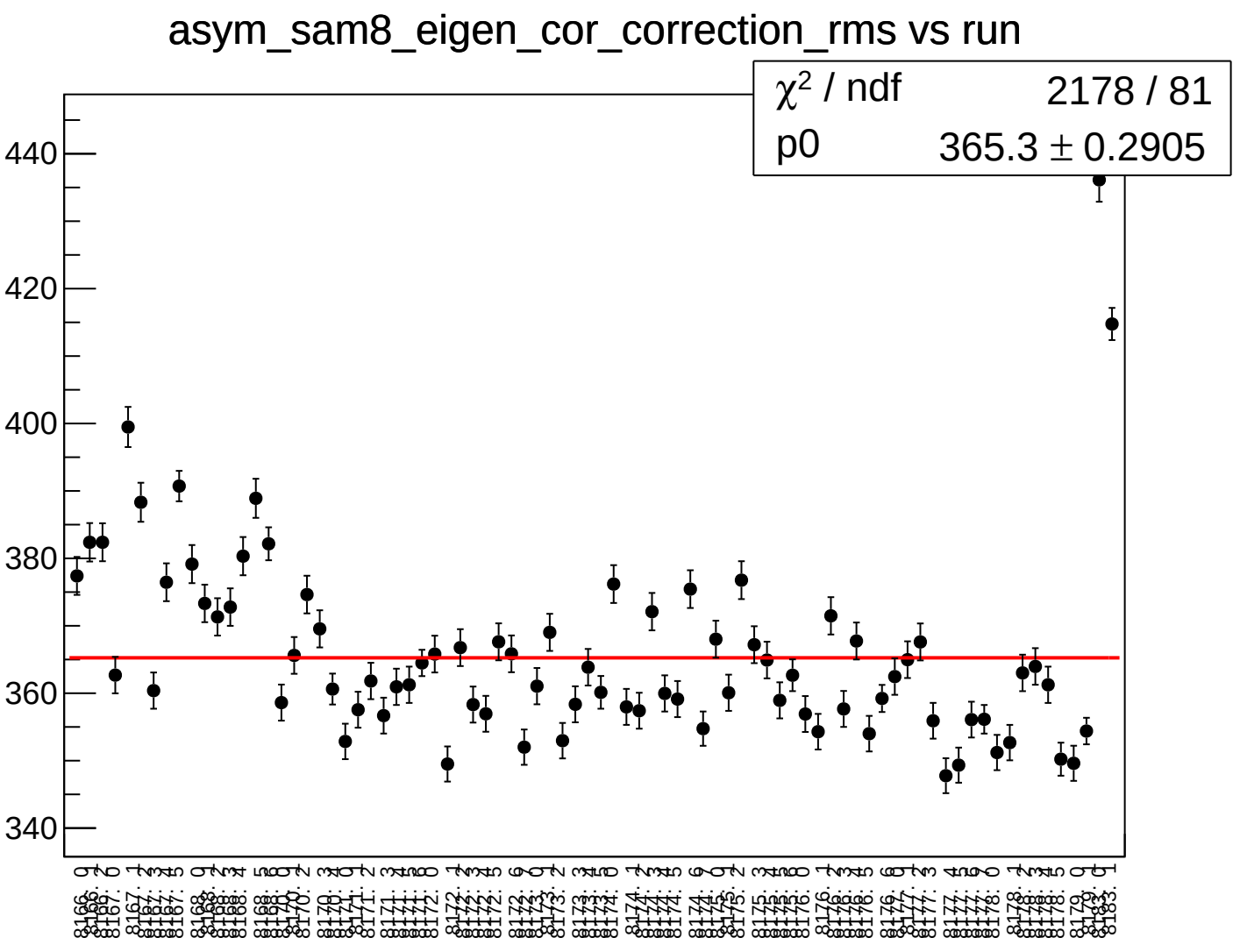

asym_sam8_cor_correction_rms vs run
χ² / ndf 2178 / 81
p0 365.3 ± 0.2905
440
420
400
380
360
340

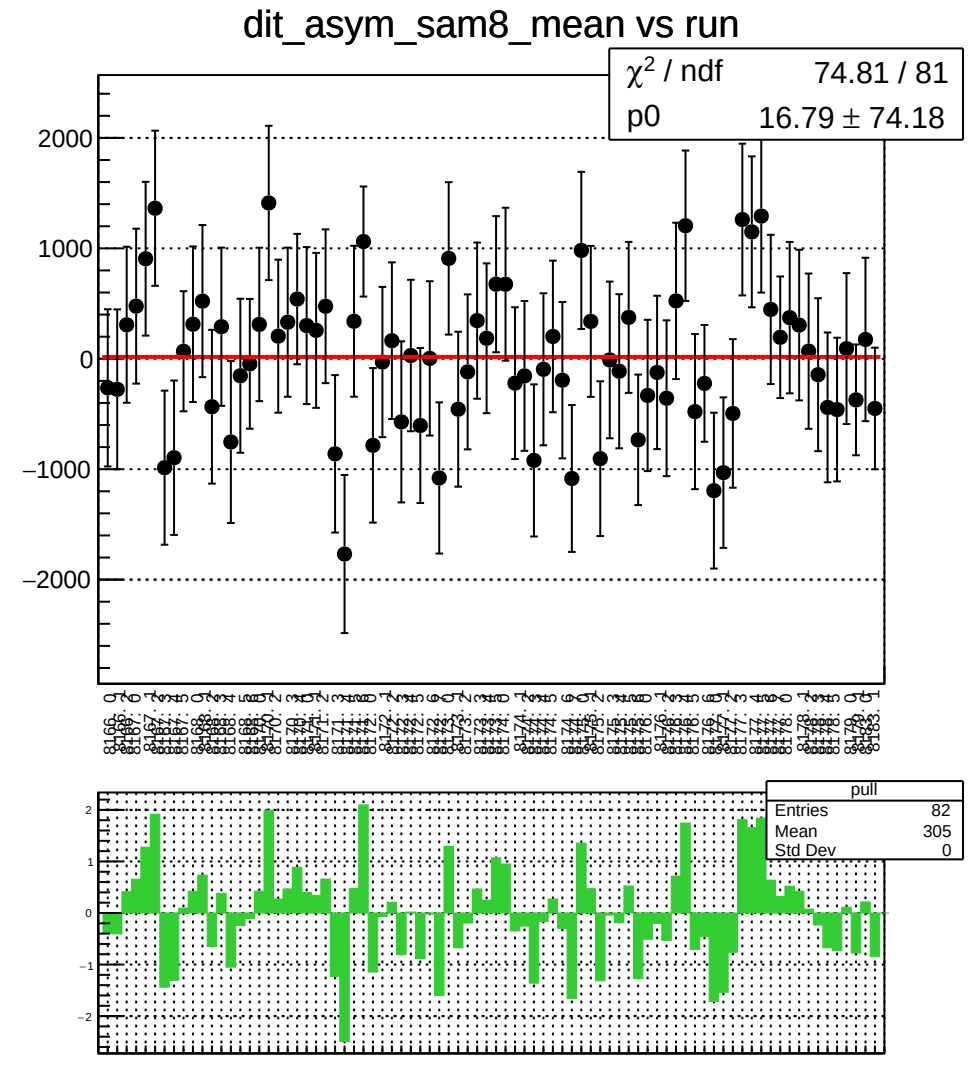

eigen_cor_asym_sam8_mean vs run
χ² / ndf 66.94 / 81
p0 59.4 ± 68.33
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 515.2
Std Dev 0
pull1D
Entries 82
Mean −0.00496
Std Dev 0.9035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

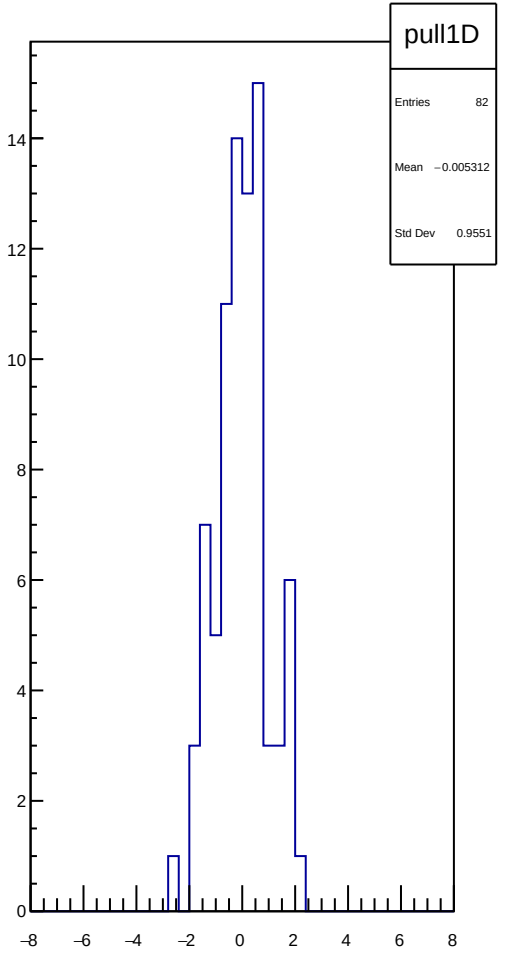

eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 975.1 / 81
p0 60.77 ± 0.04832
66
65
64
63
62
61
60
59
58
57

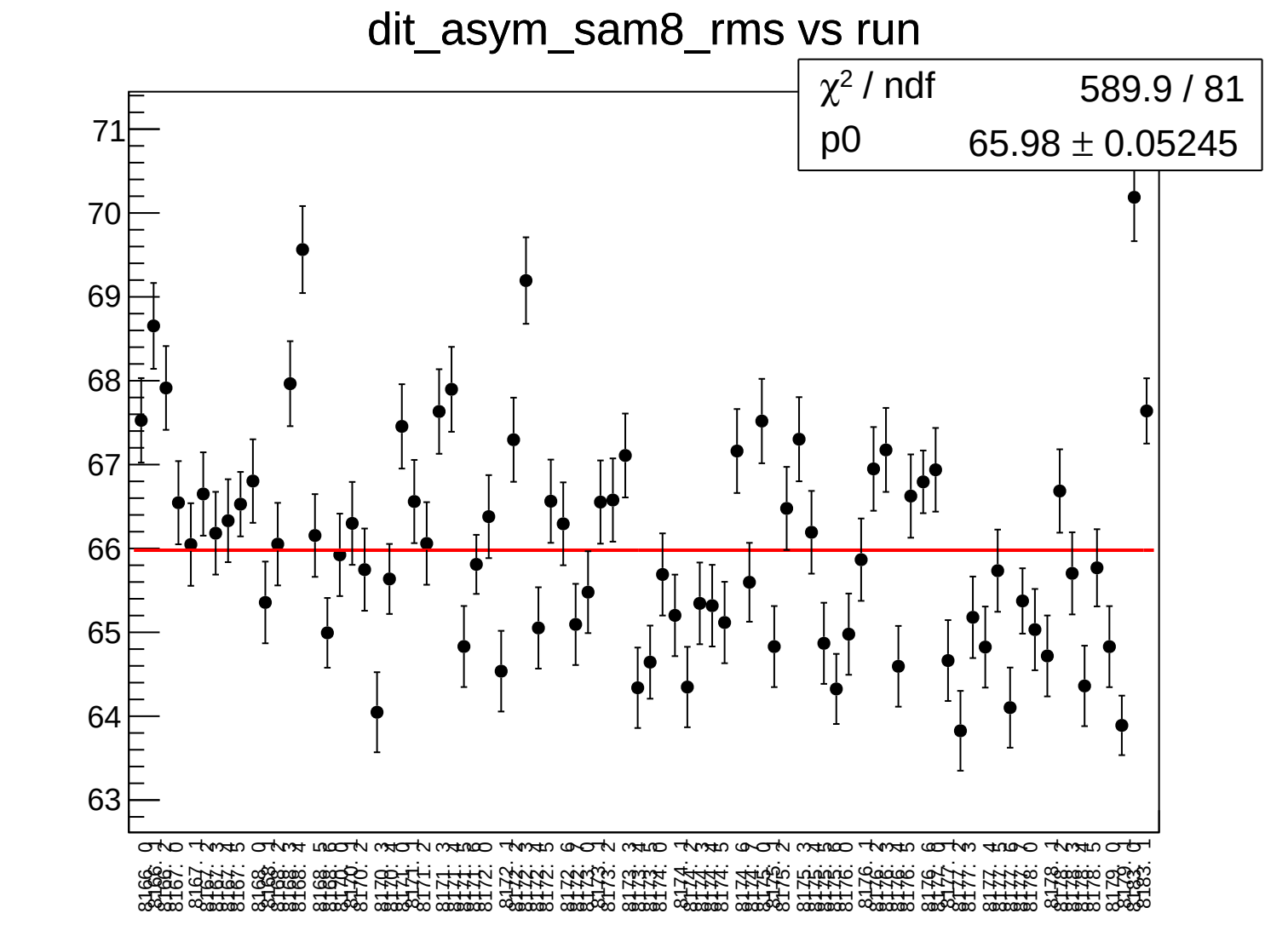

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 88.66 / 81
p0 −573.2 ± 410.8
pull
Entries 82
Mean 298.5
Std Dev 0

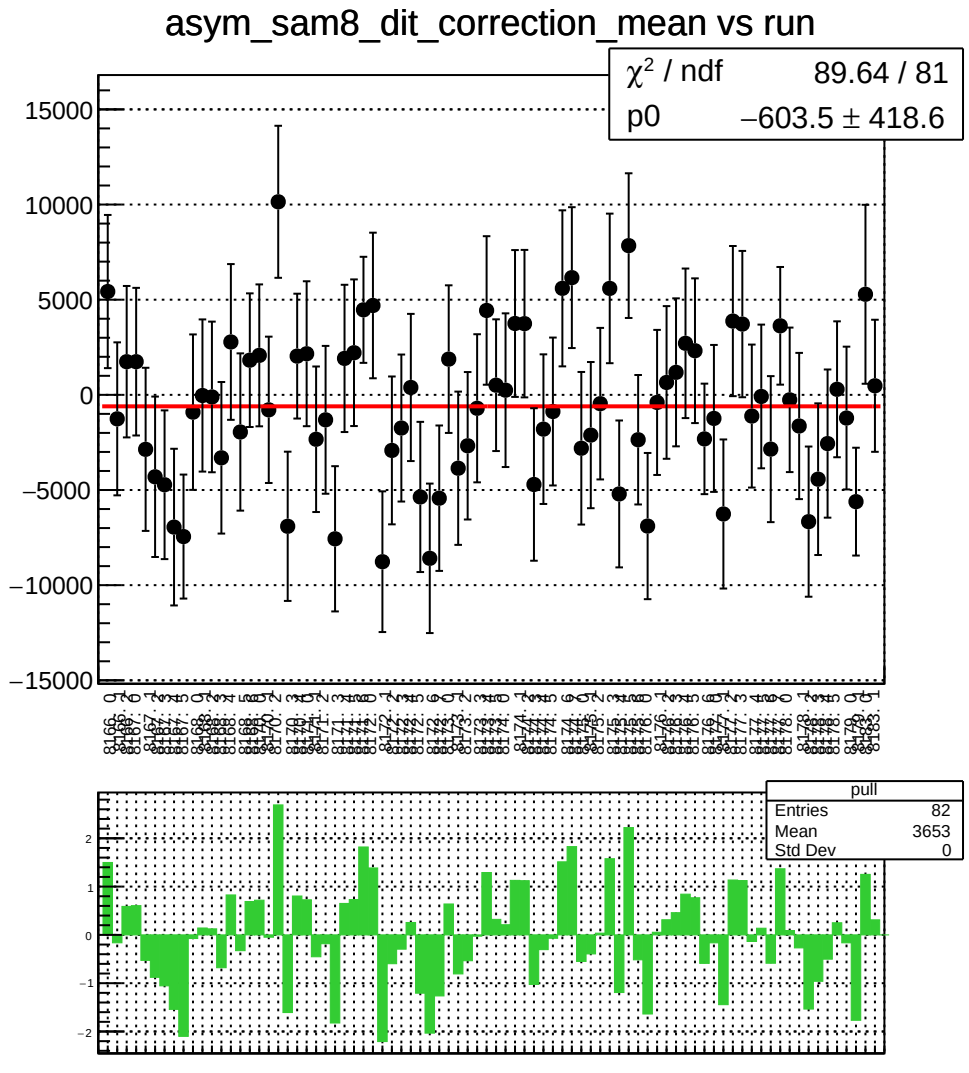

pull1D
Entries 82
Mean 0.001842
Std Dev 1.04

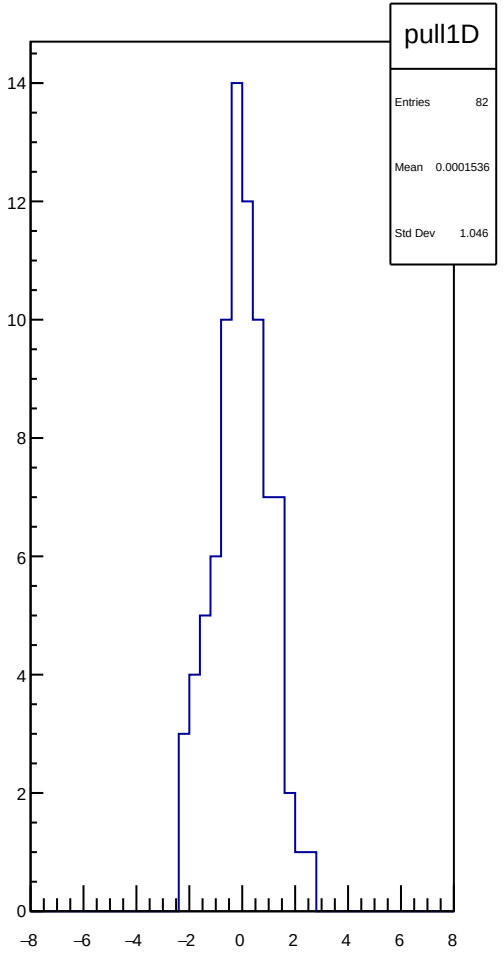

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 2178 / 81
p0 365.3 ± 0.2905
440
420
400
380
360
340

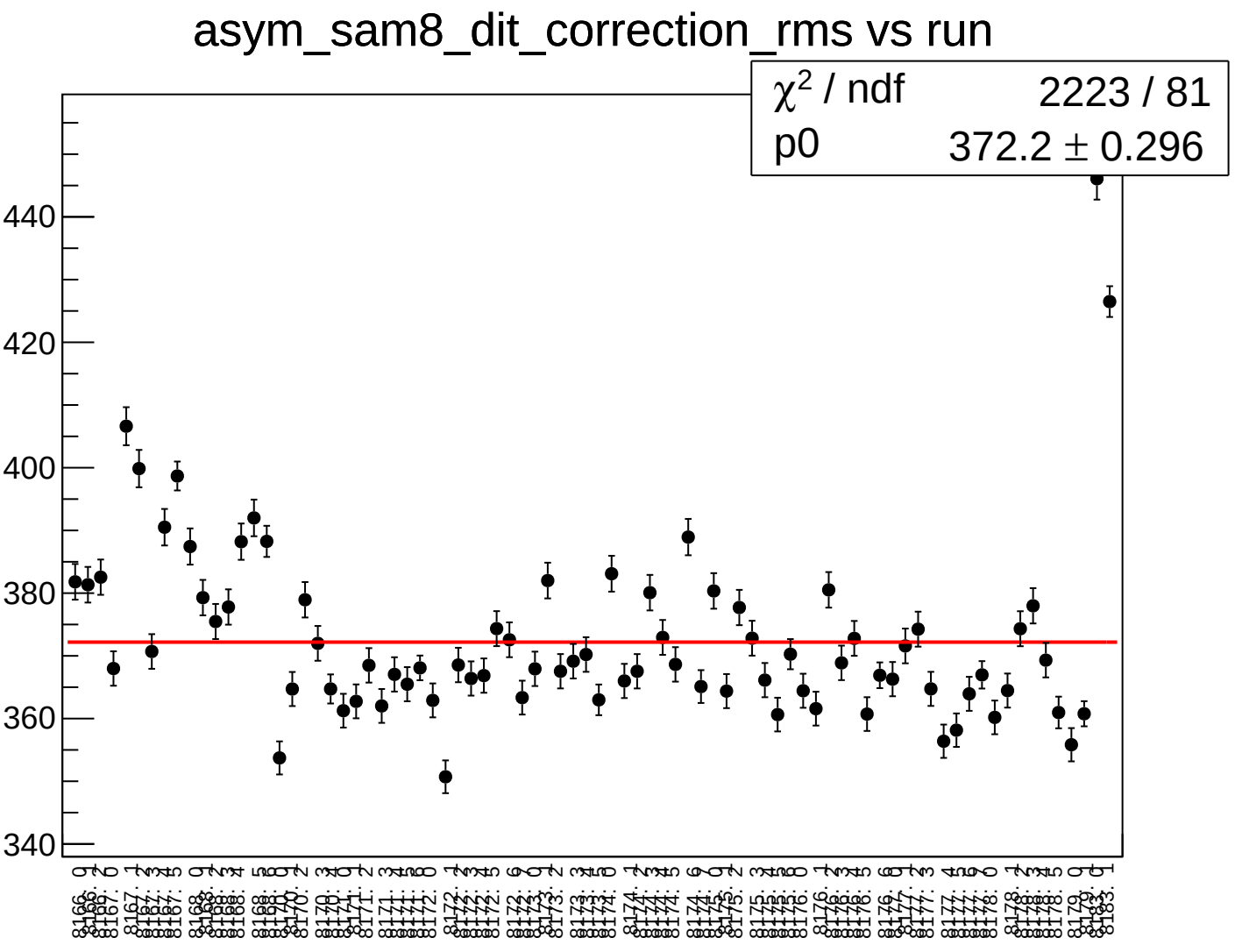

dit_asym_sam8_mean vs run
χ² / ndf 74.81 / 81
p0 16.79 ± 74.18
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 305
Std Dev 0
2
1
0
−1
−2

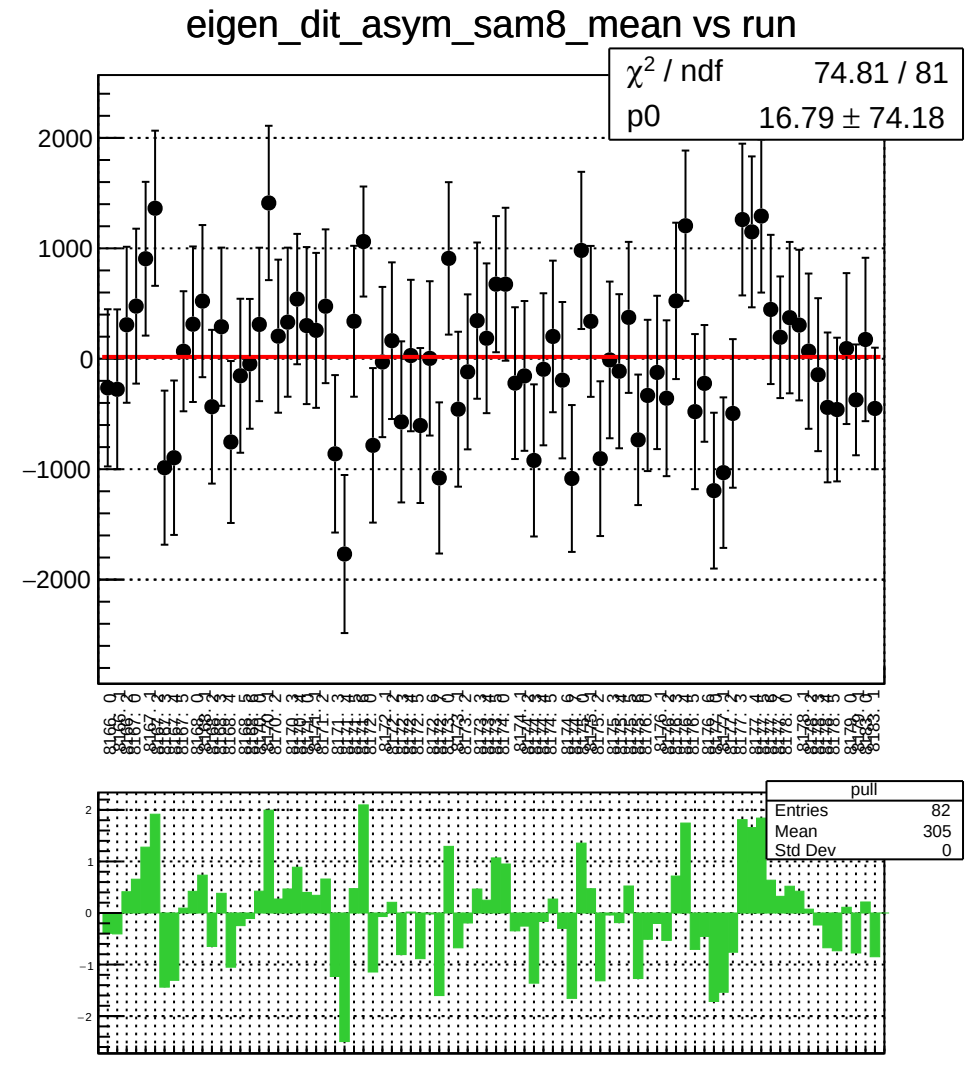

pull1D
Entries 82
Mean −0.005312
Std Dev 0.9551
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

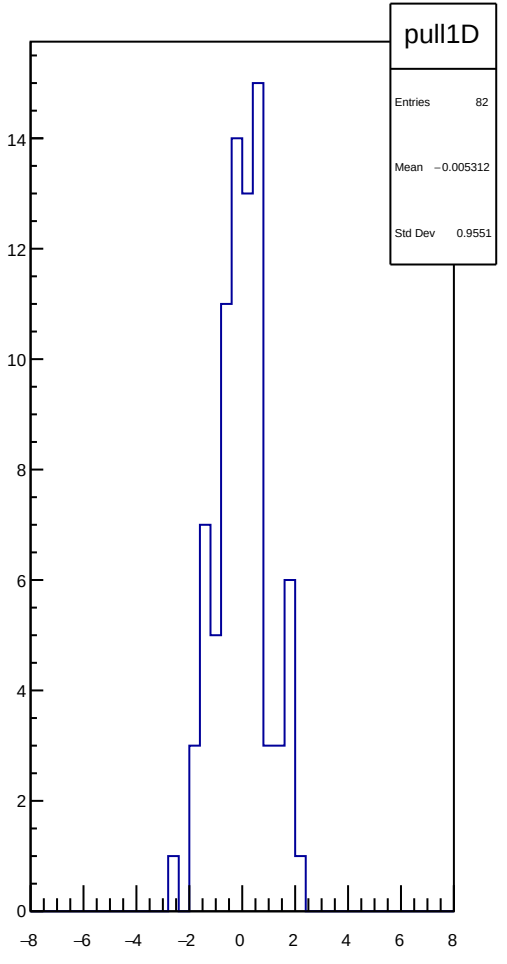

dit_asym_sam8_rms vs run
χ^2 / ndf 589.9 / 81
p0 65.98 ± 0.05245
71
70
69
68
67
66
65
64
63

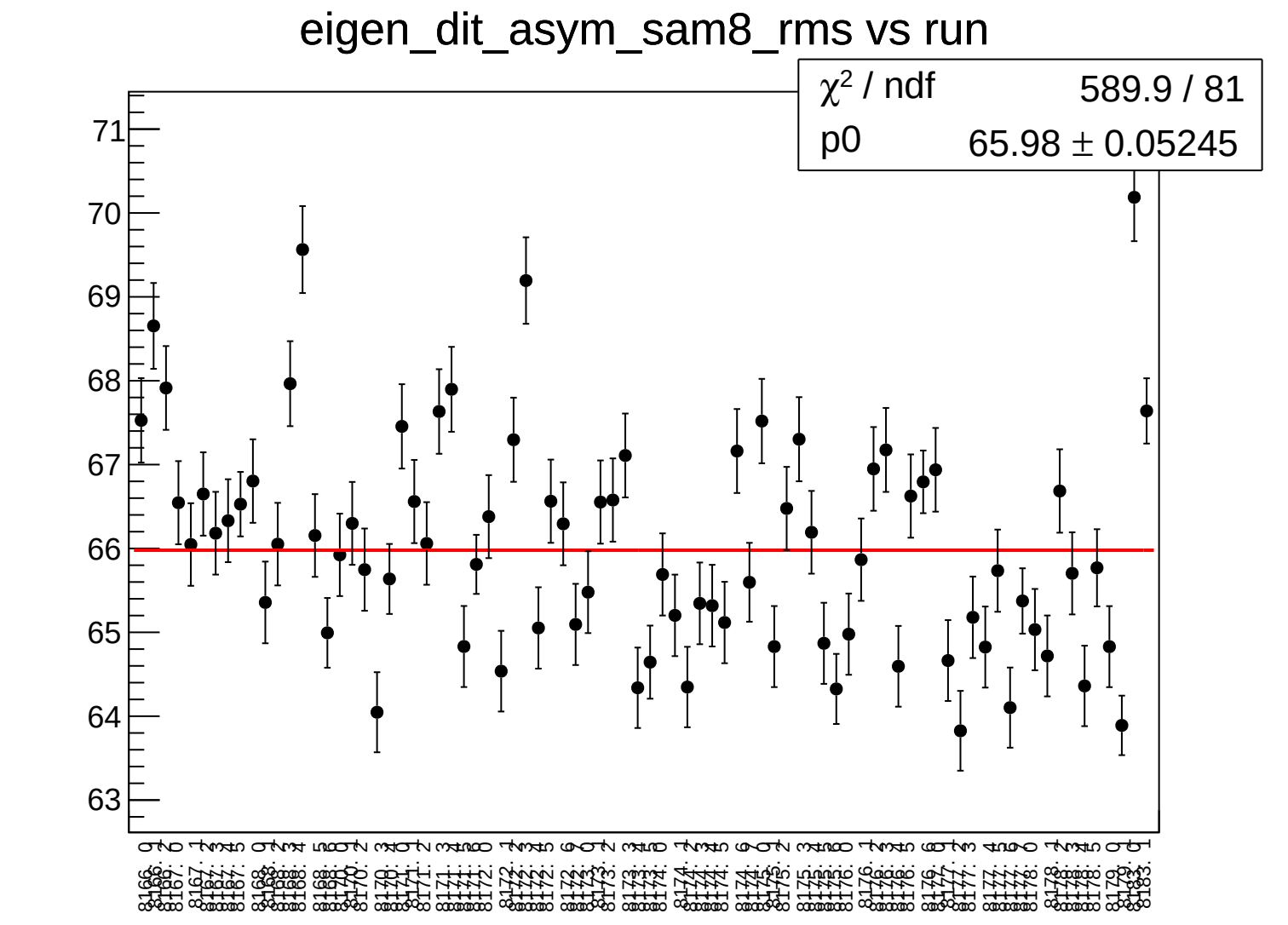

asym_sam8_dit_correction_mean vs run
χ² / ndf 89.64 / 81
p0 −603.5 ± 418.6
pull
Entries 82
Mean 3653
Std Dev 0

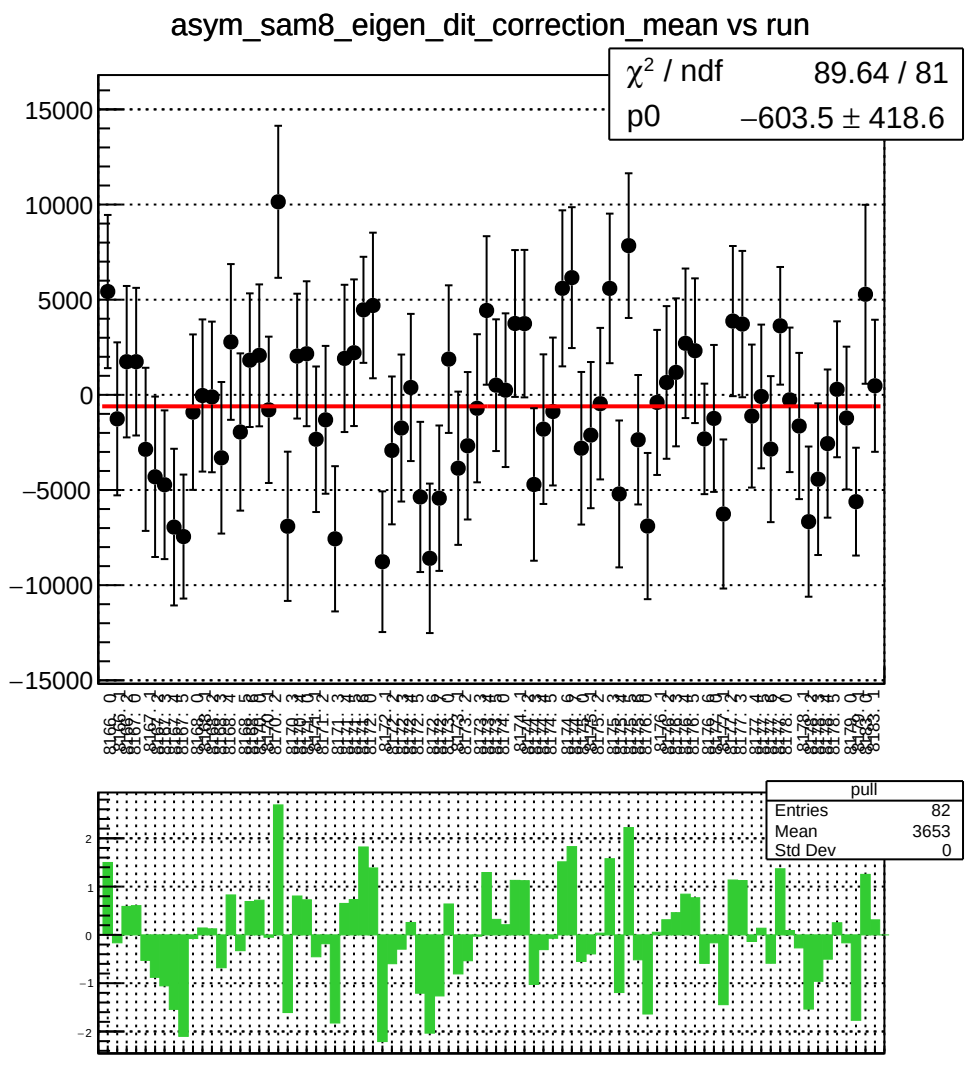

pull1D
Entries 82
Mean 0.0001536
Std Dev 1.046

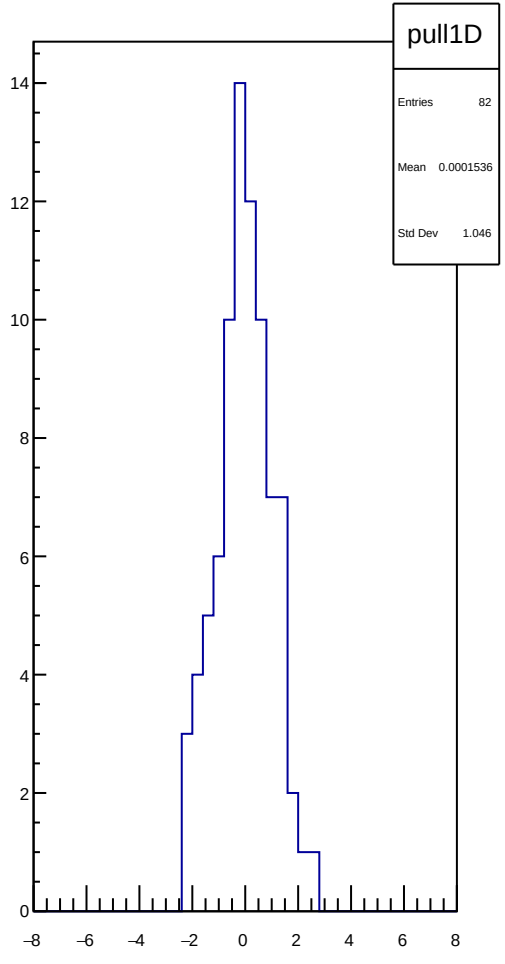

asym_sam8_dit_correction_rms vs run
χ^2 / ndf 2223 / 81
p0 372.2 ± 0.296
440
420
400
380
360
340

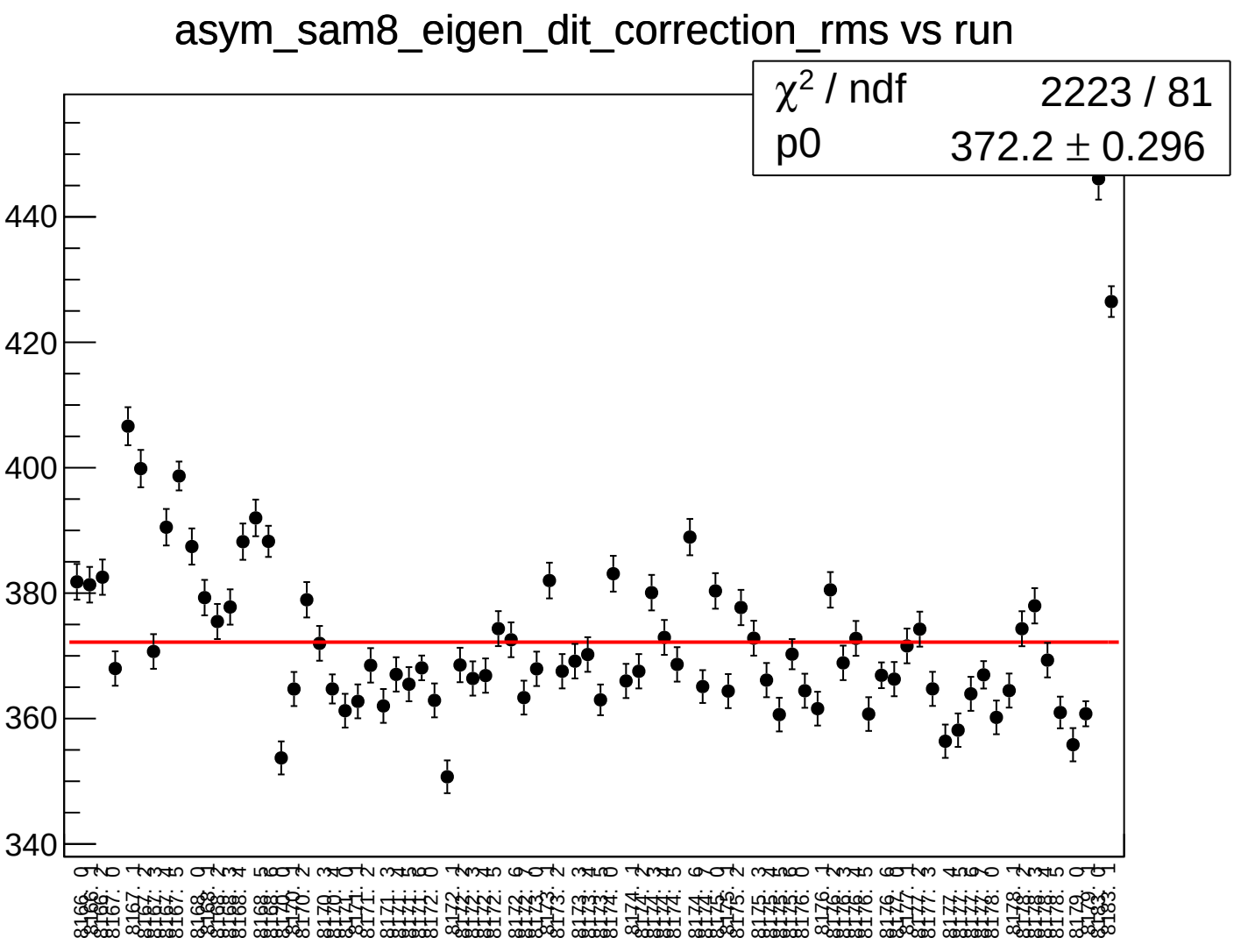

eigen_dit_asym_sam8_mean vs run
χ² / ndf 74.81 / 81
p0 16.79 ± 74.18
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 305
Std Dev 0
2
1
0
−1
−2

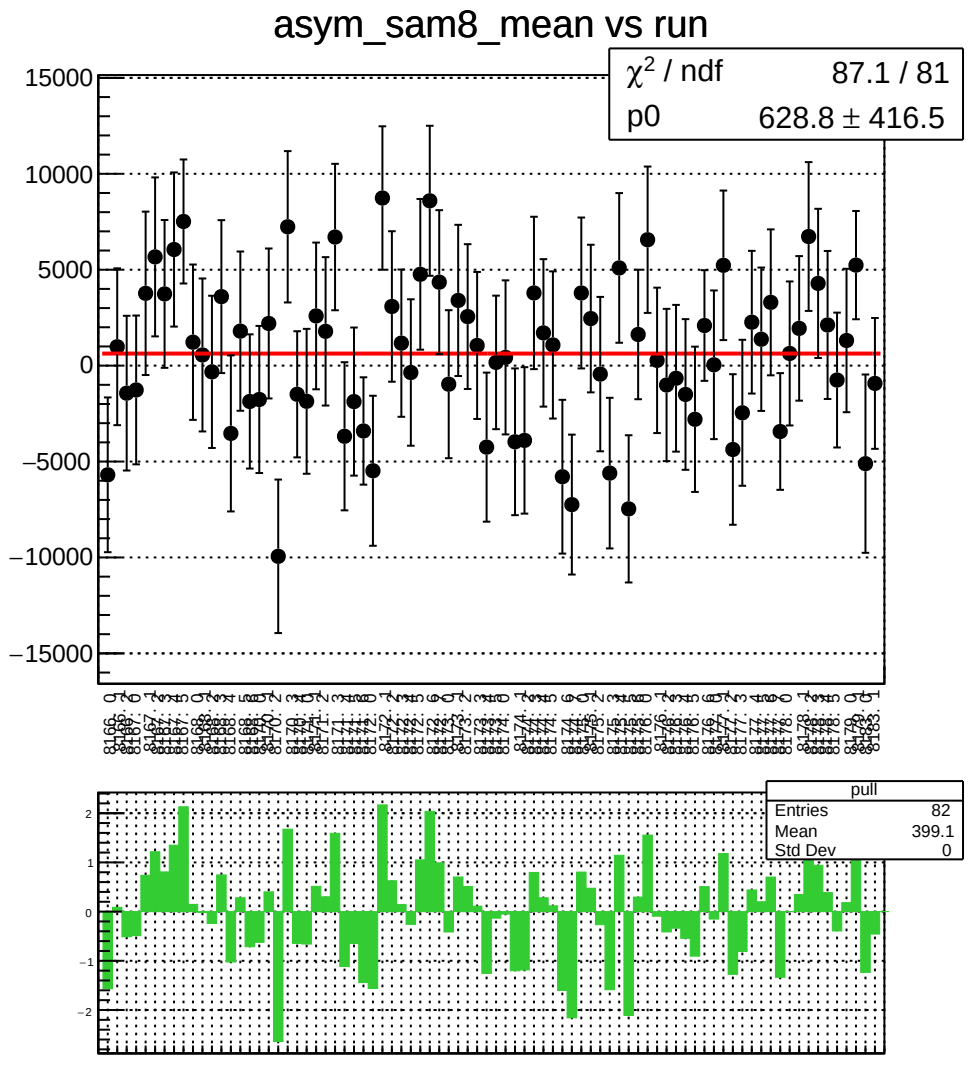

pull1D
Entries 82
Mean −0.005312
Std Dev 0.9551
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

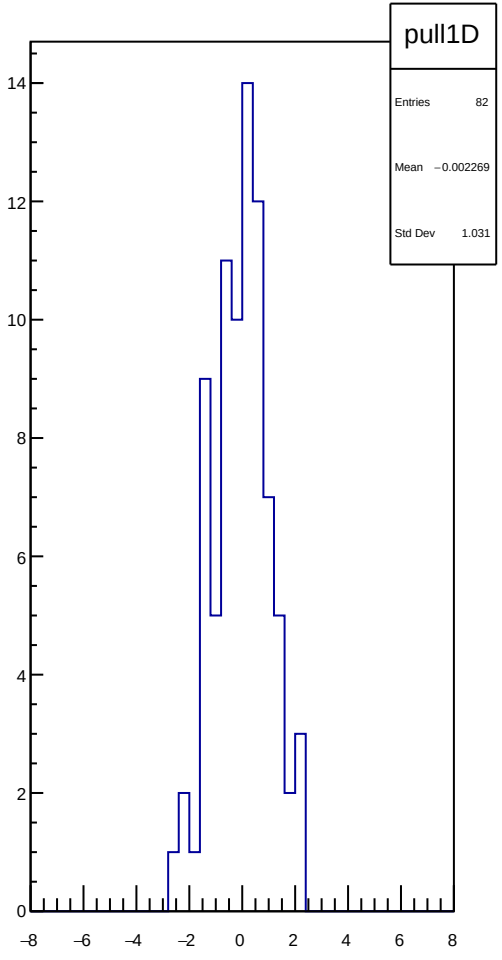

eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 589.9 / 81
p0 65.98 ± 0.05245
71
70
69
68
67
66
65
64
63

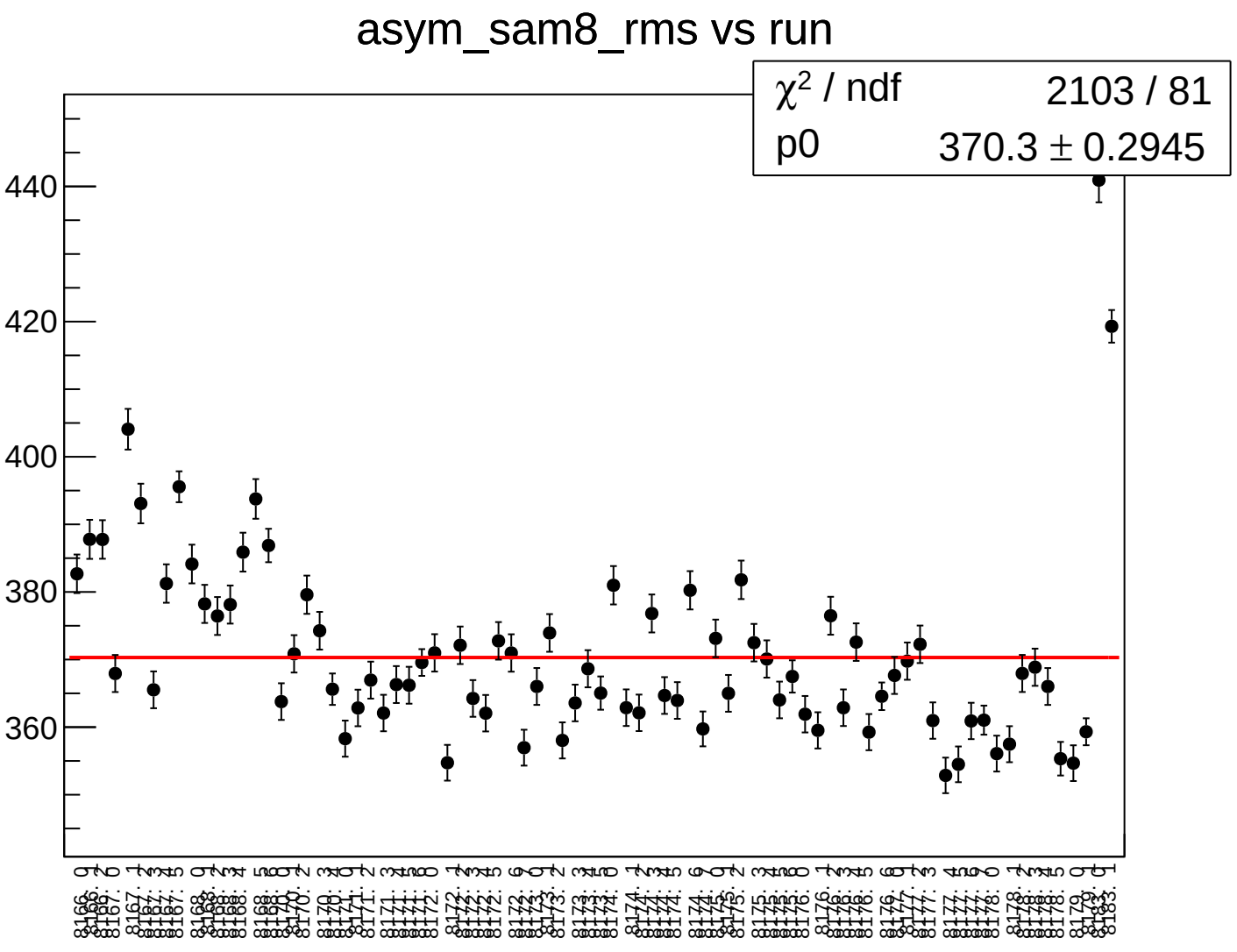

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 89.64 / 81
p0 −603.5 ± 418.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 3653
Std Dev 0
2
1
0
−1
−2

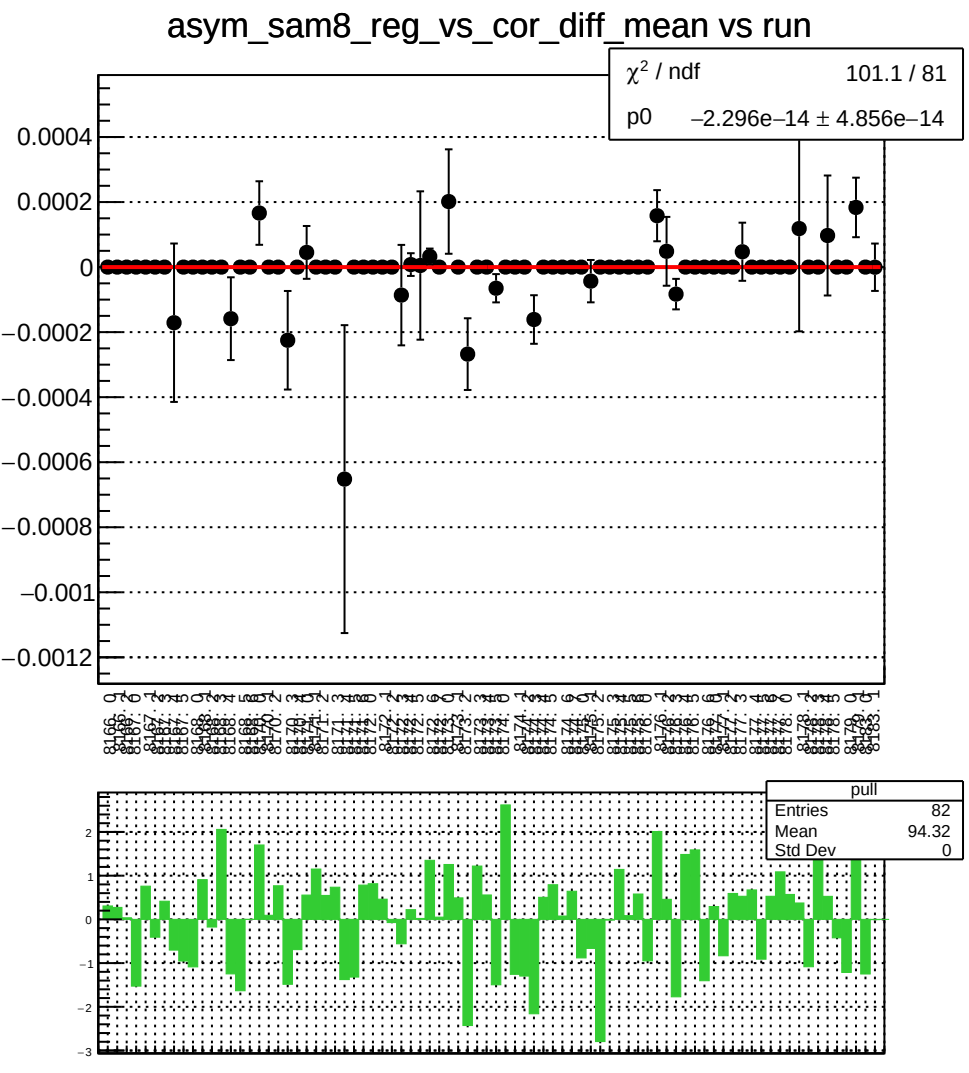

pull1D
Entries 82
Mean 0.0001536
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

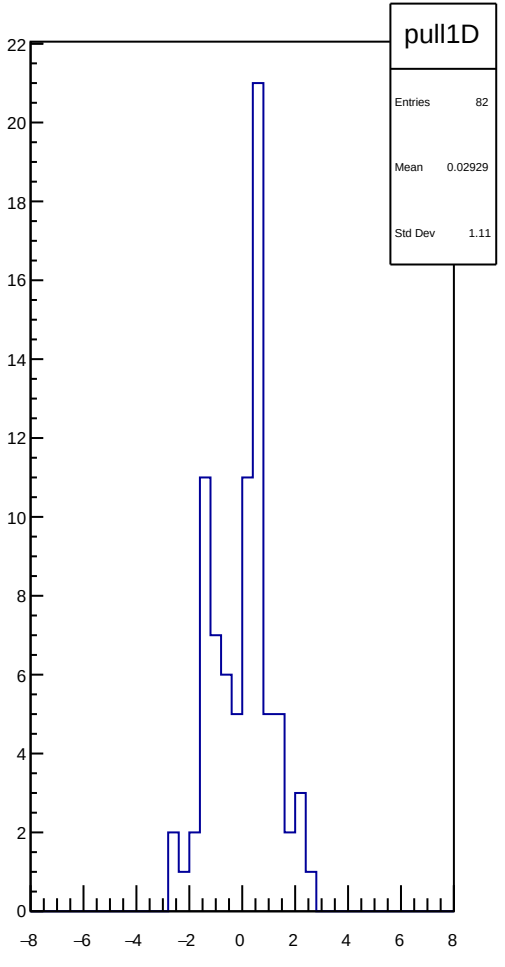

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 2223 / 81
p0 372.2 ± 0.296
440
420
400
380
360
340

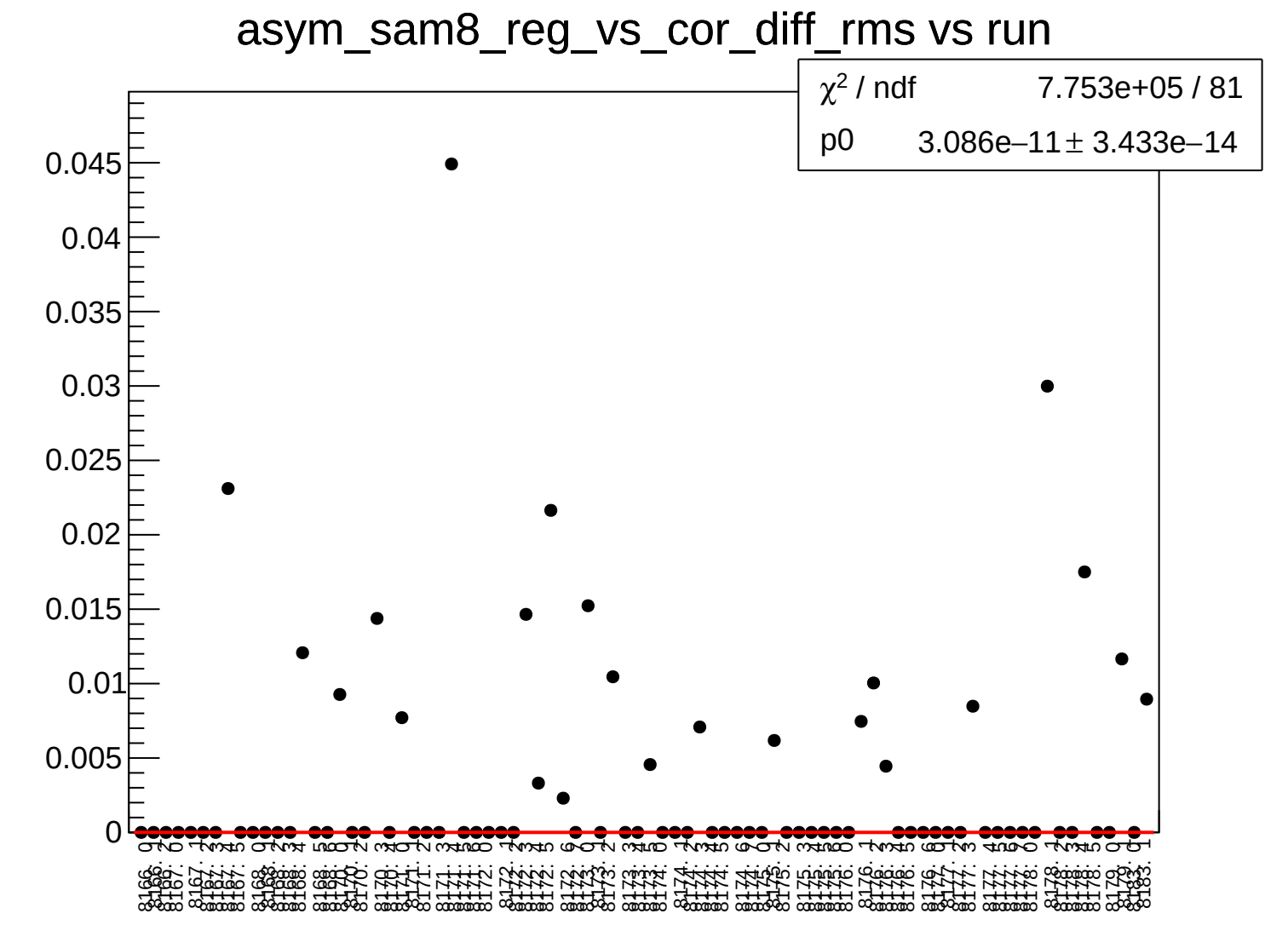

asym_sam8_mean vs run
χ² / ndf 87.1 / 81
p0 628.8 ± 416.5
pull
Entries 82
Mean 399.1
Std Dev 0

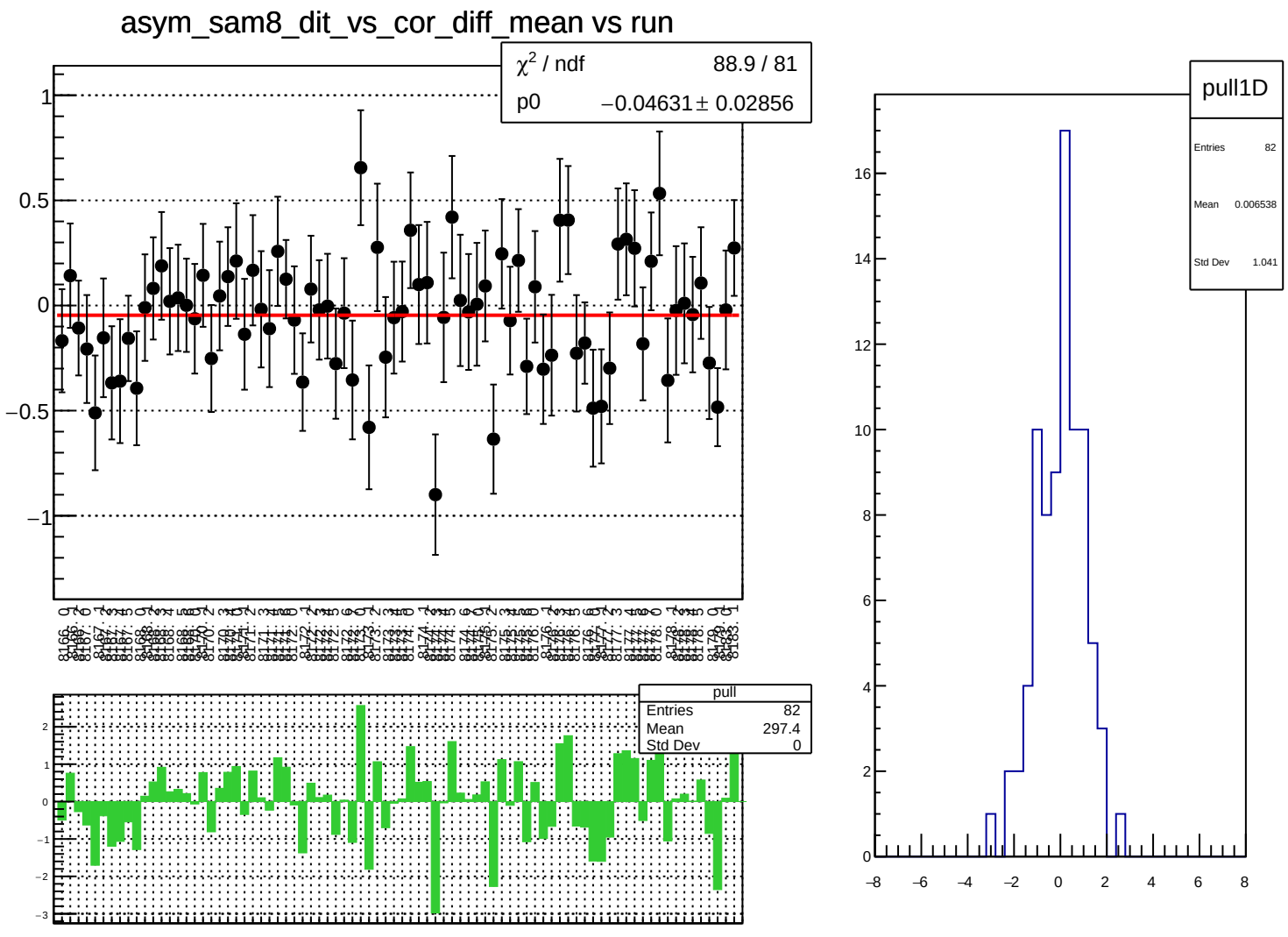

pull1D
Entries 82
Mean −0.002269
Std Dev 1.031

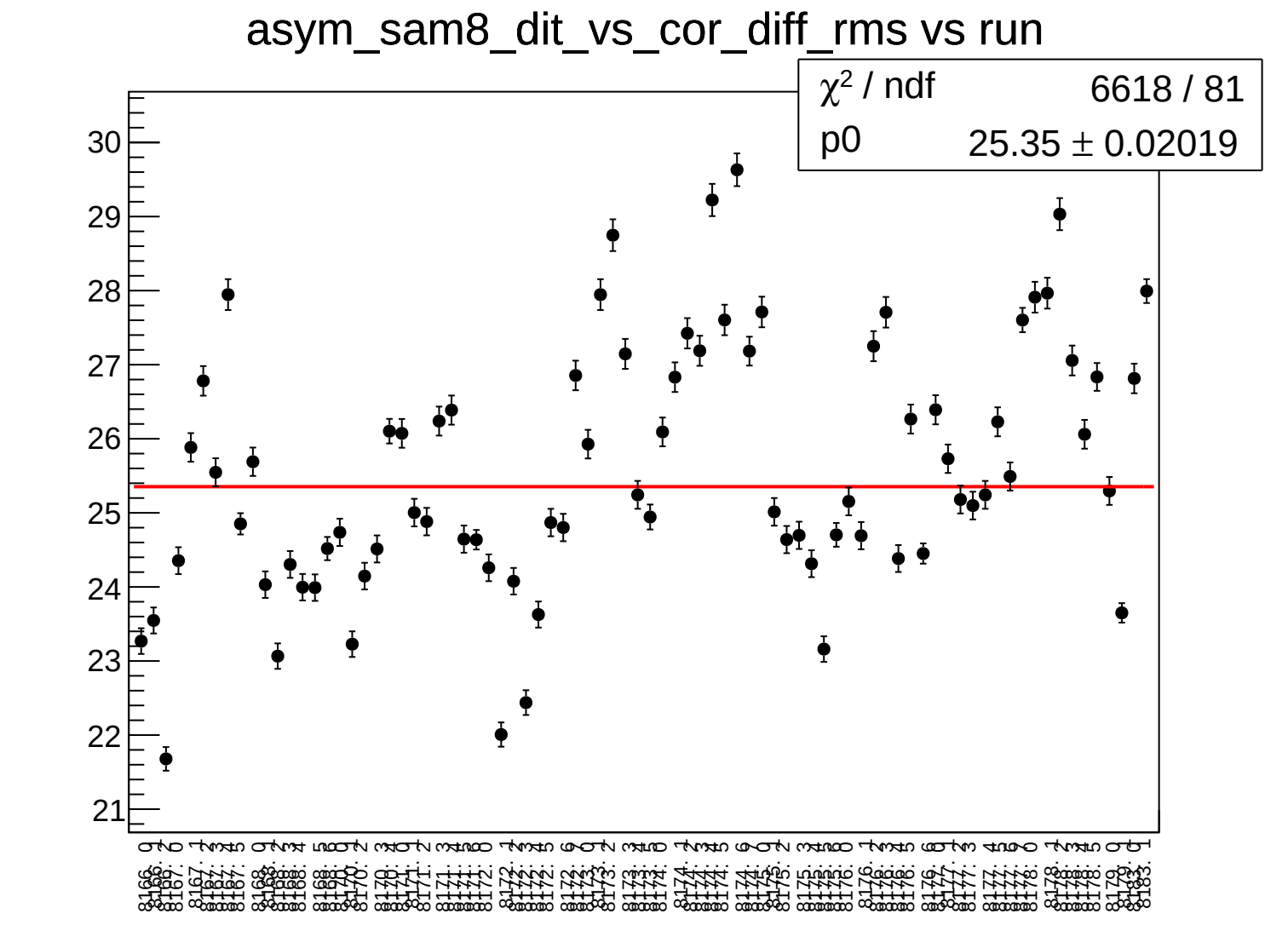

asym_sam8_rms vs run
χ^2 / ndf 2103 / 81
p0 370.3 ± 0.2945
440
420
400
380
360

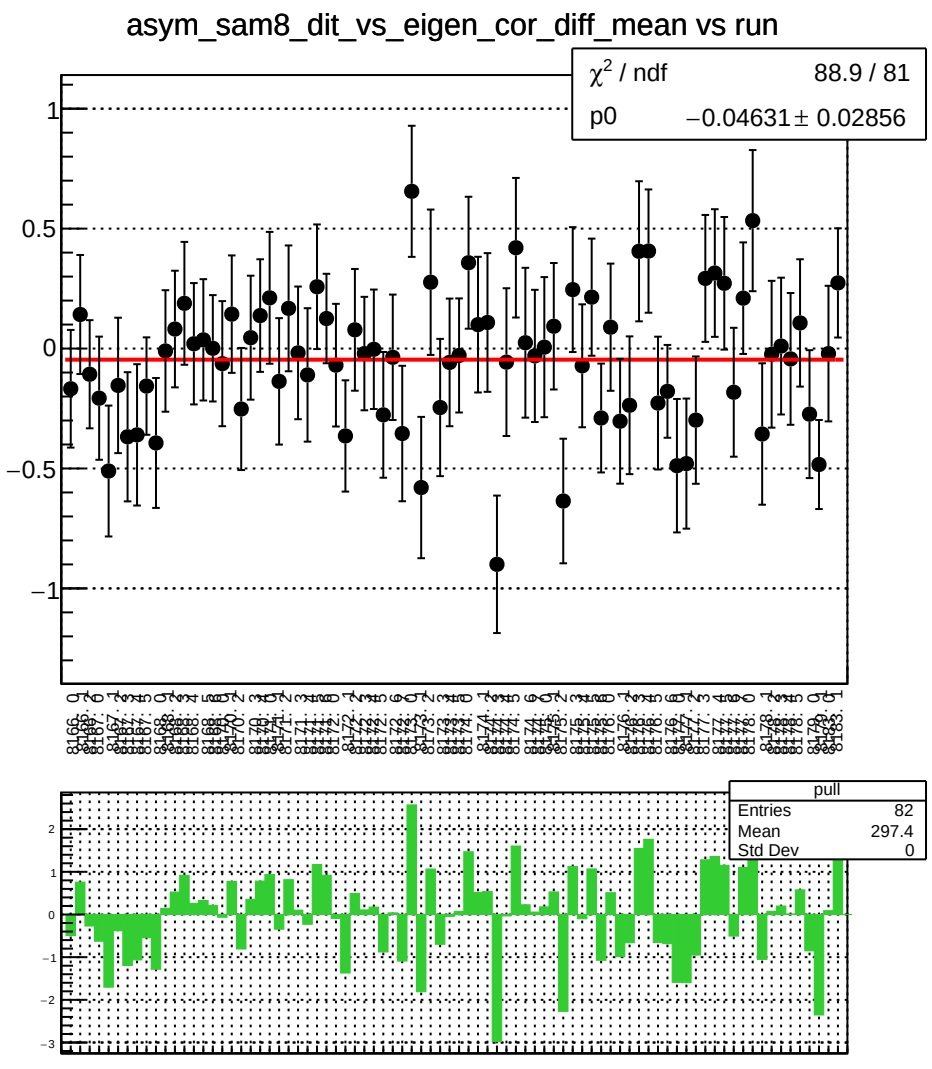

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 101.1 / 81
p0 −2.296e−14 ± 4.856e−14
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 82
Mean 94.32
Std Dev 0
2
1
0
−1
−2
−3

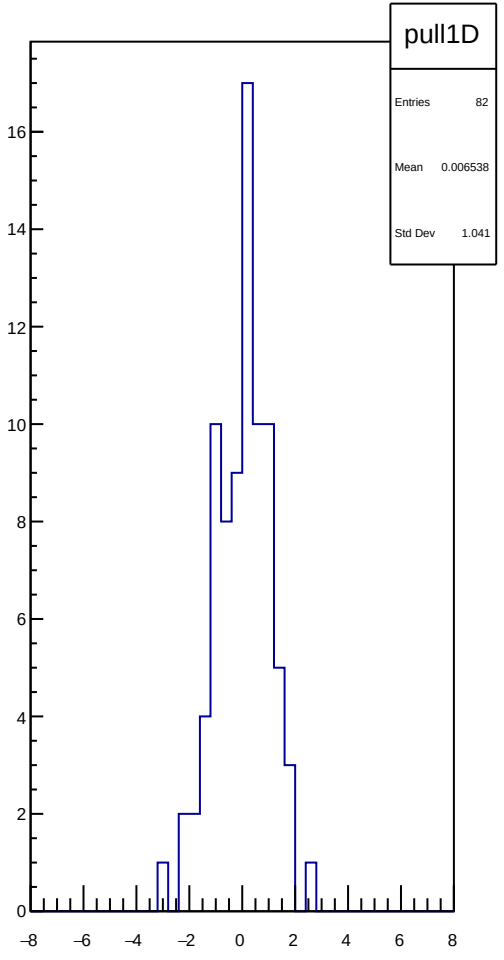

pull1D
Entries 82
Mean 0.02929
Std Dev 1.11
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

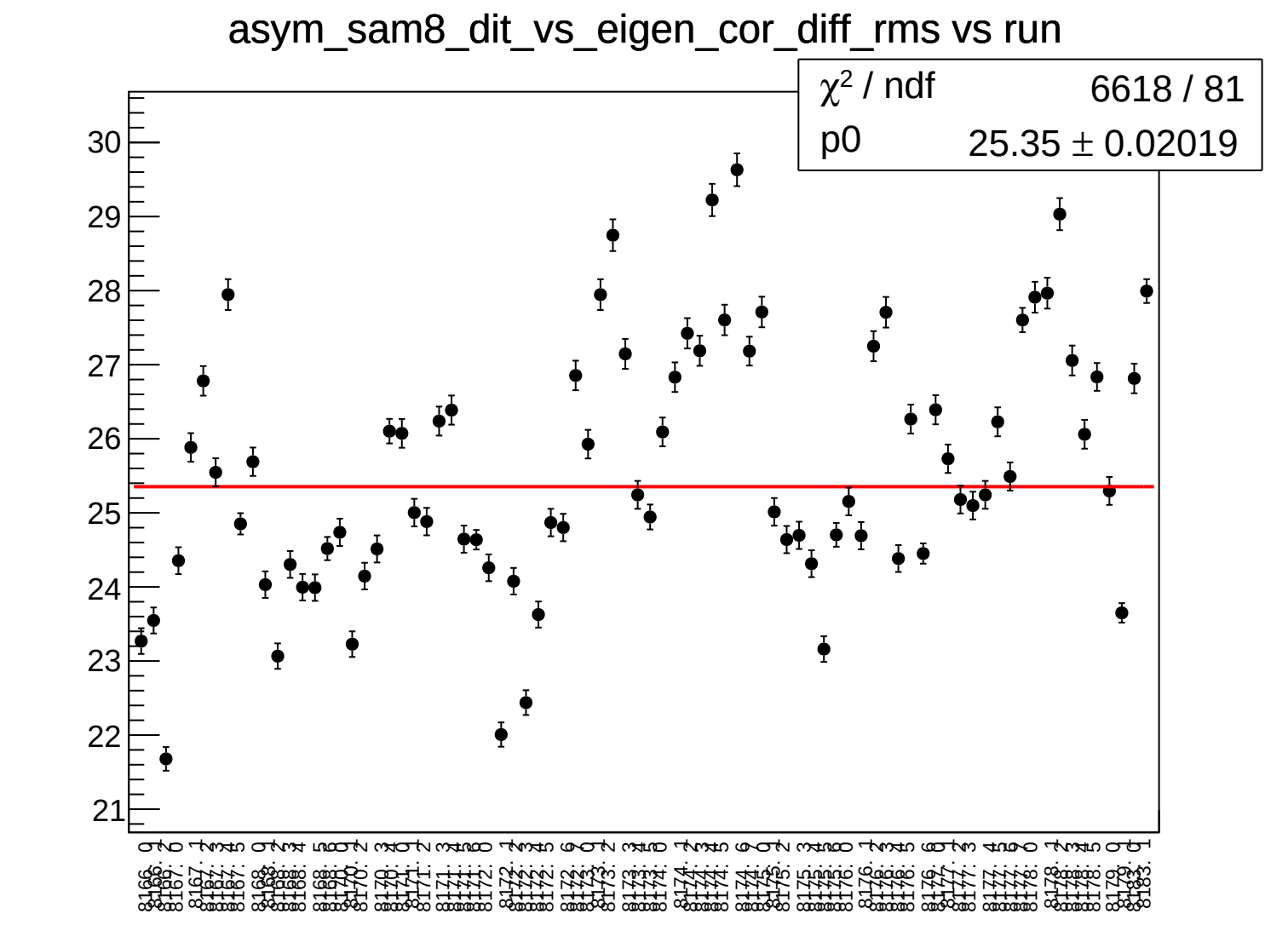

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 7.753e+05 / 81
p0 3.086e−11 ± 3.433e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

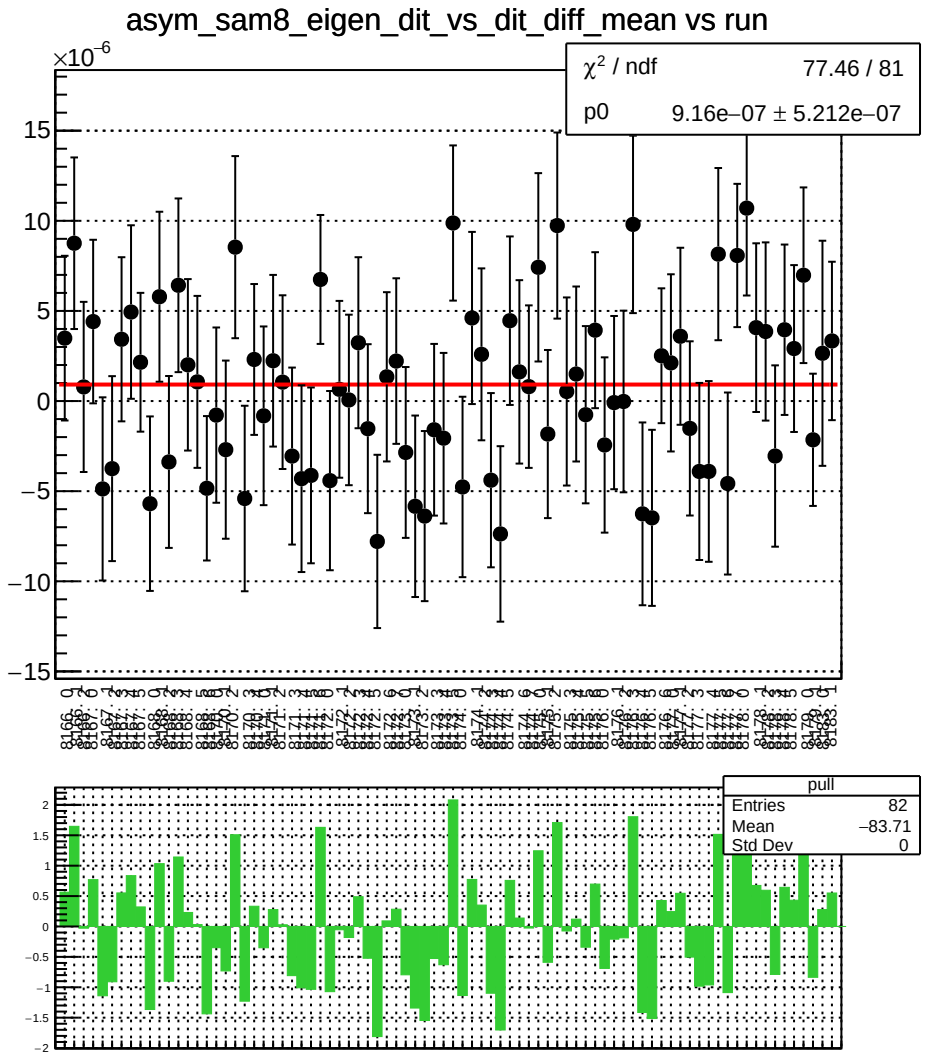

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 88.9 / 81
p0 −0.04631 ± 0.02856
pull
Entries 82
Mean 297.4
Std Dev 0
pull1D
Entries 82
Mean 0.006538
Std Dev 1.041

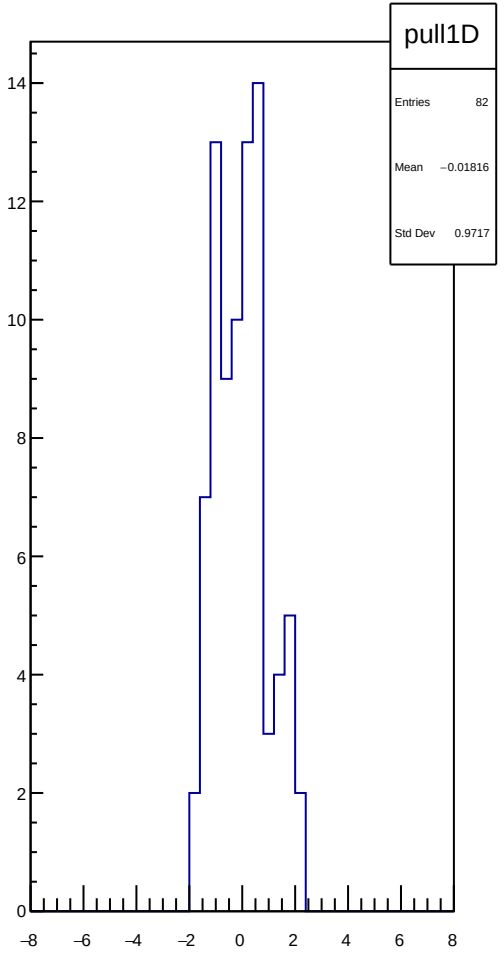

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 6618 / 81
p0 25.35 ± 0.02019
30
29
28
27
26
25
24
23
22
21

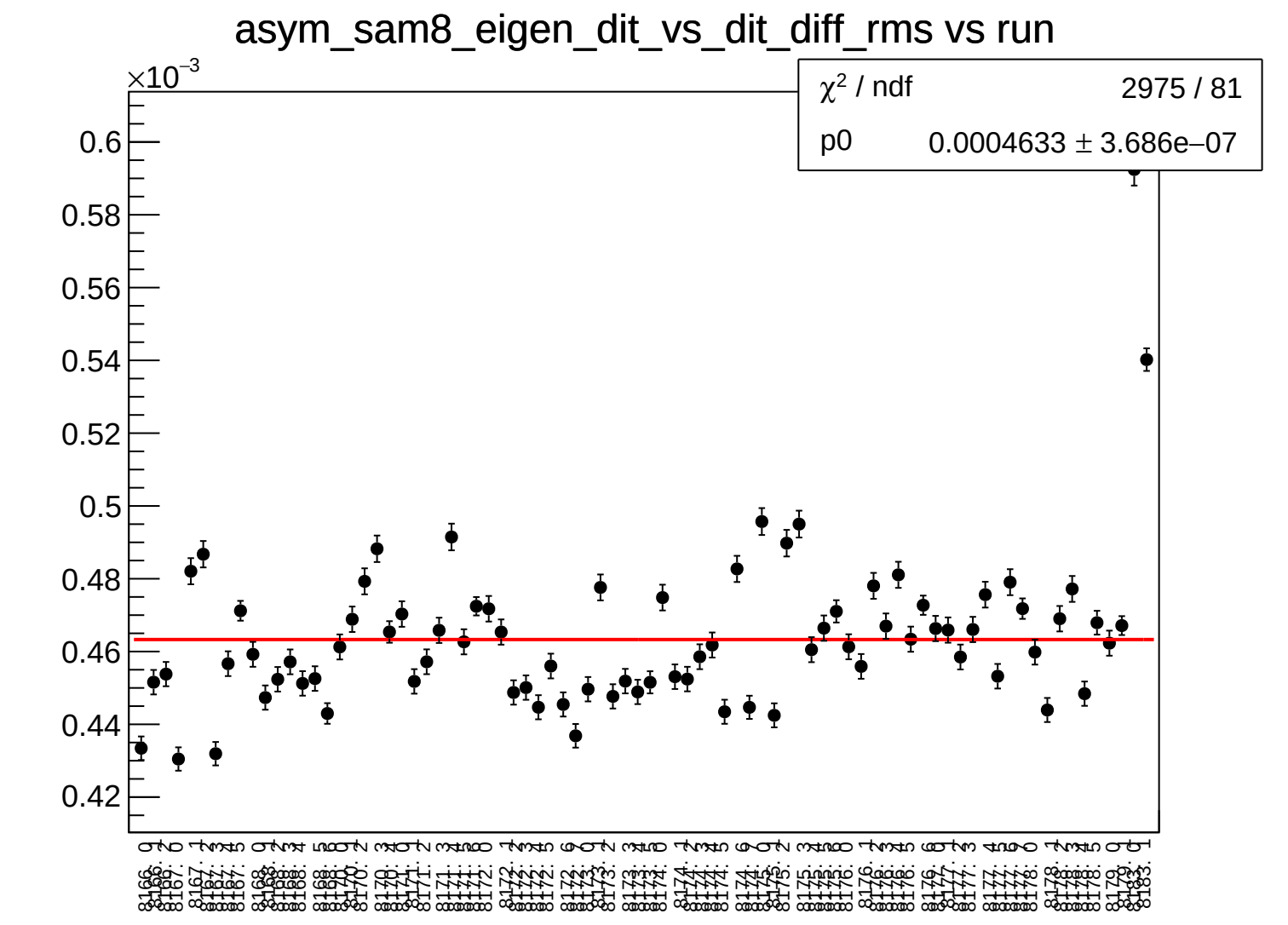

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.9 / 81
p0 −0.04631 ± 0.02856
pull
Entries 82
Mean 297.4
Std Dev 0

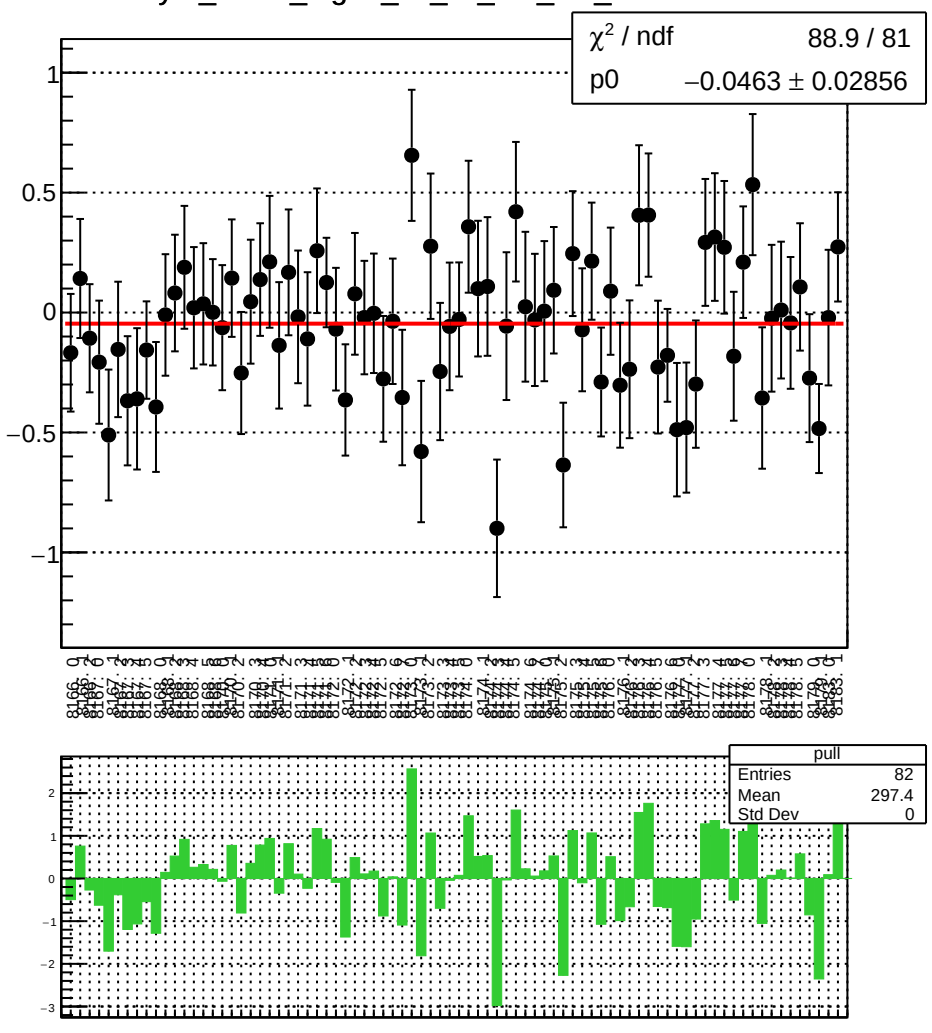

pull1D
Entries 82
Mean 0.006538
Std Dev 1.041

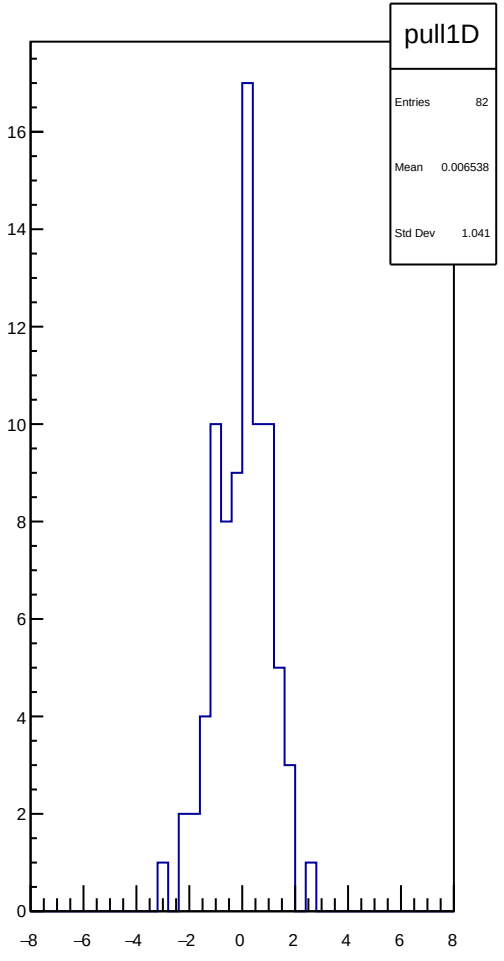

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6618 / 81
p0 25.35 ± 0.02019
30
29
28
27
26
25
24
23
22
21

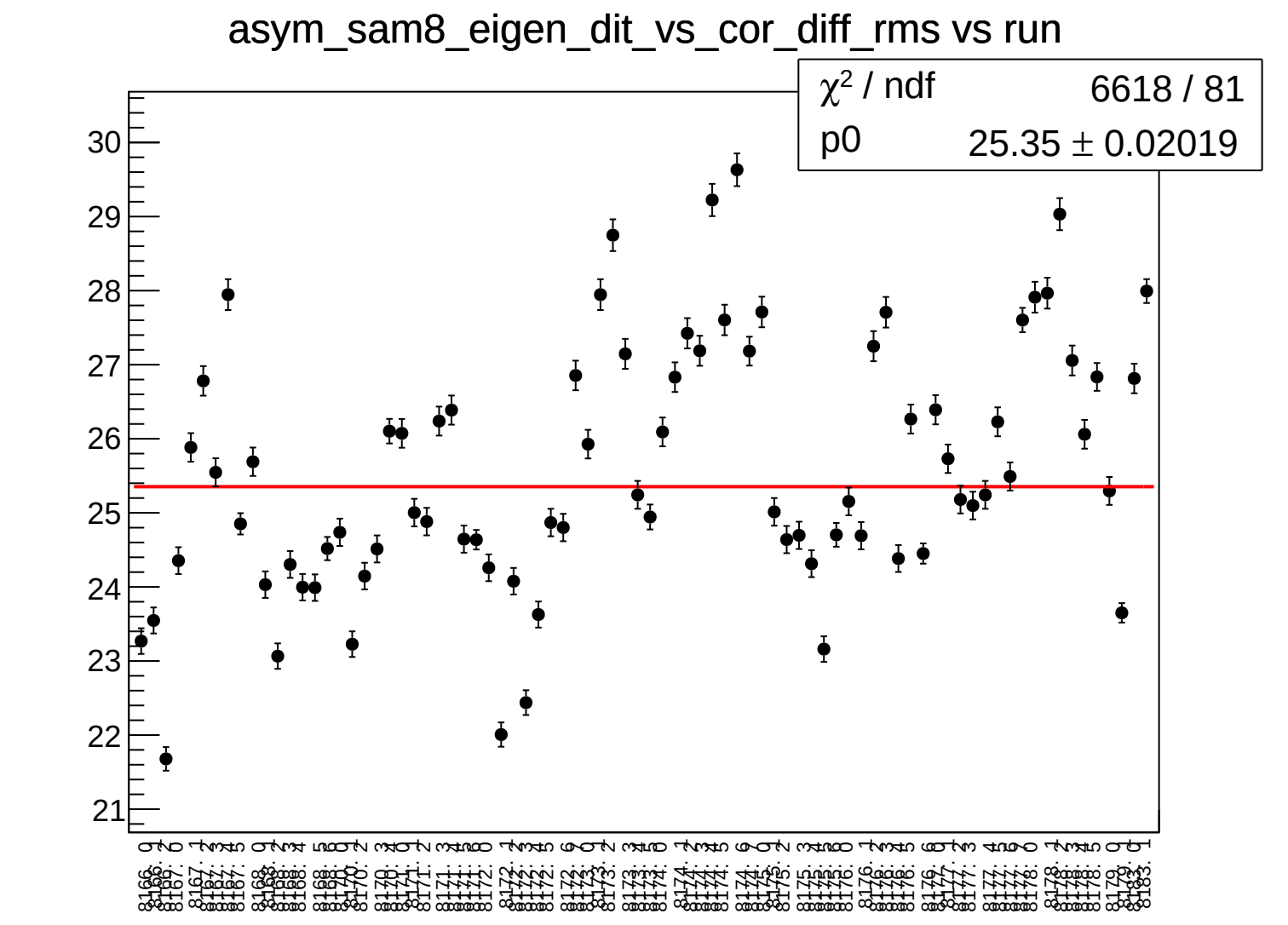

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 77.46 / 81
p0 9.16e−07 ± 5.212e−07
pull
Entries 82
Mean −83.71
Std Dev 0

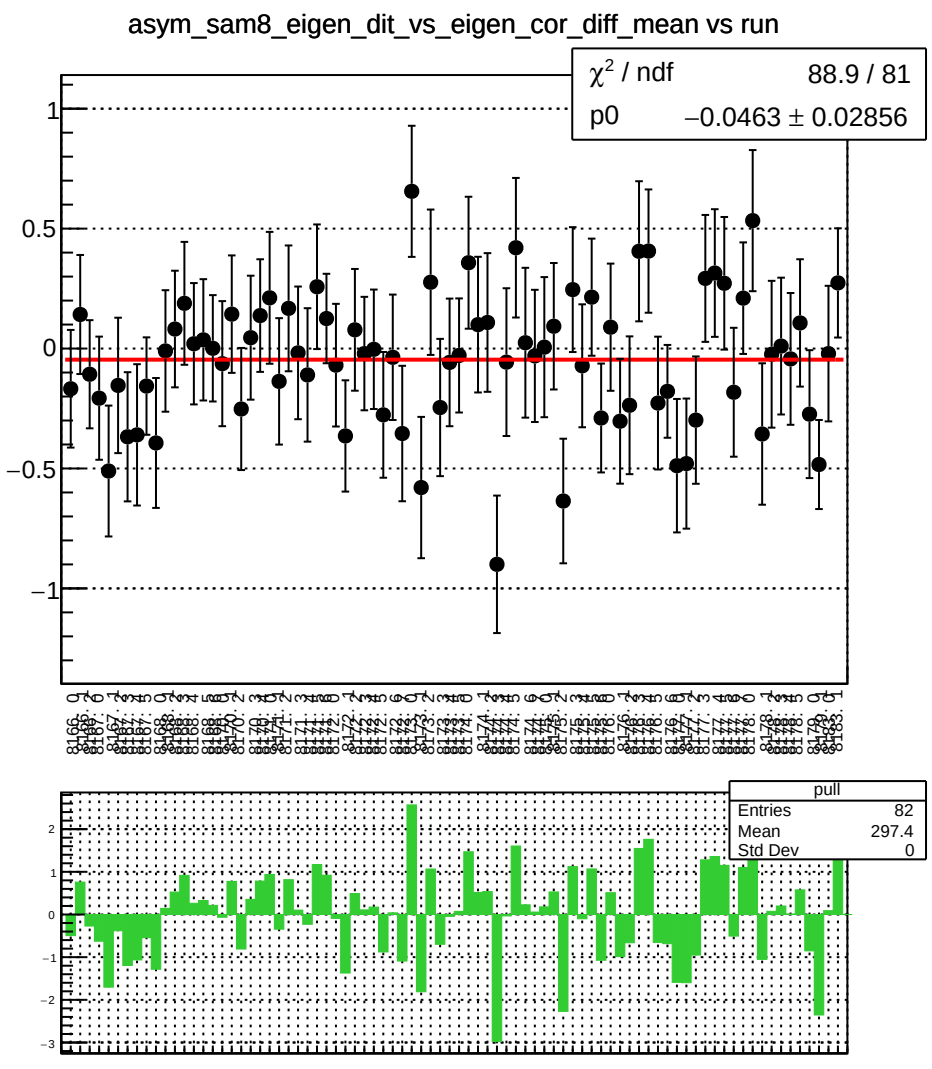

pull1D
Entries 82
Mean −0.01816
Std Dev 0.9717

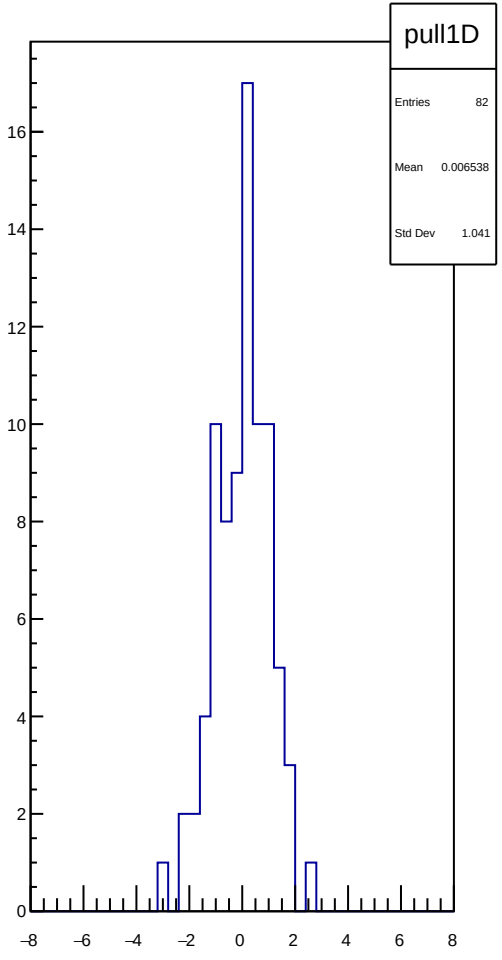

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2975 / 81
p0 0.0004633 ± 3.686e−07
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42

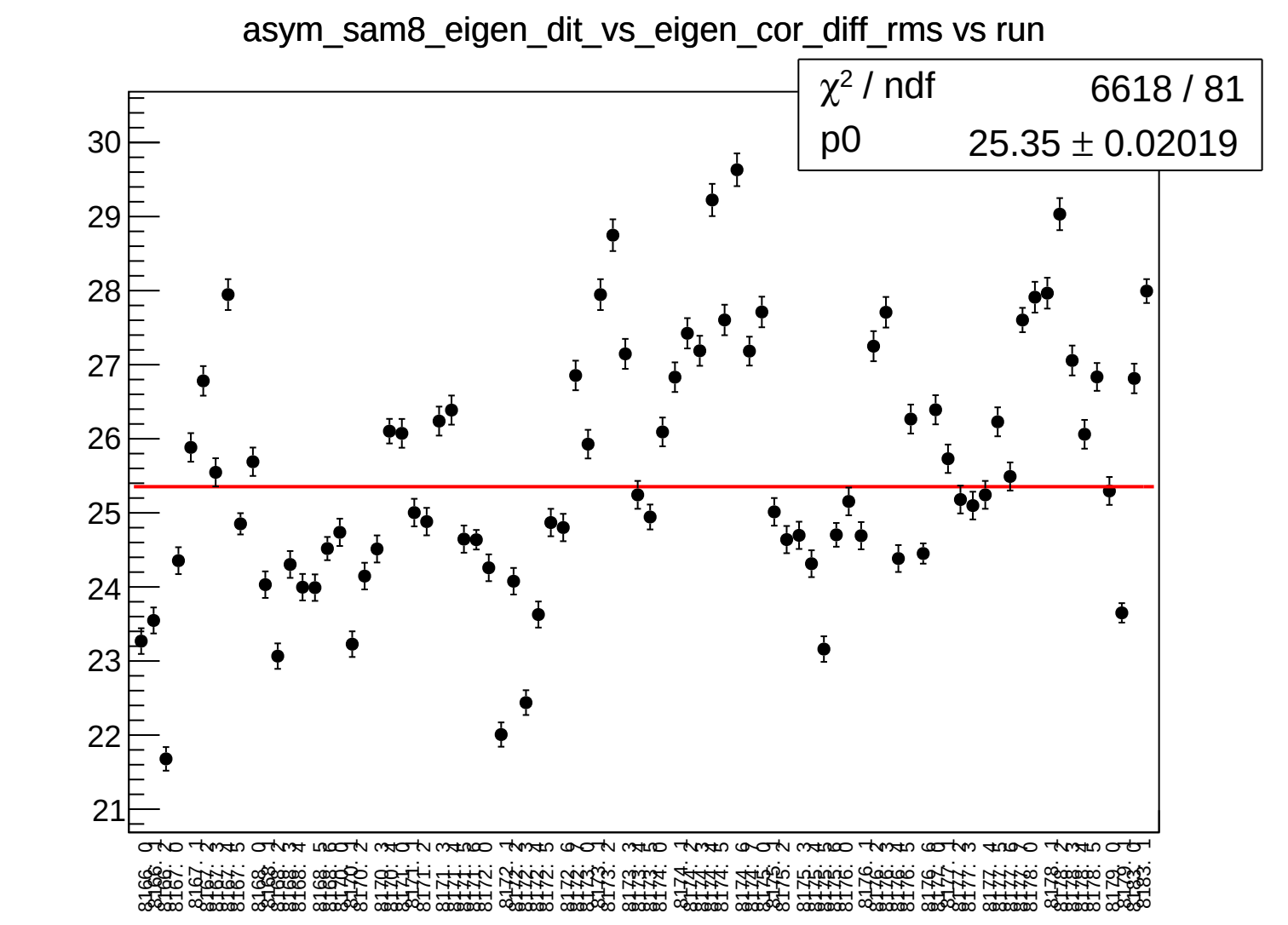

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.9 / 81
p0 −0.0463 ± 0.02856
pull
Entries 82
Mean 297.4
Std Dev 0

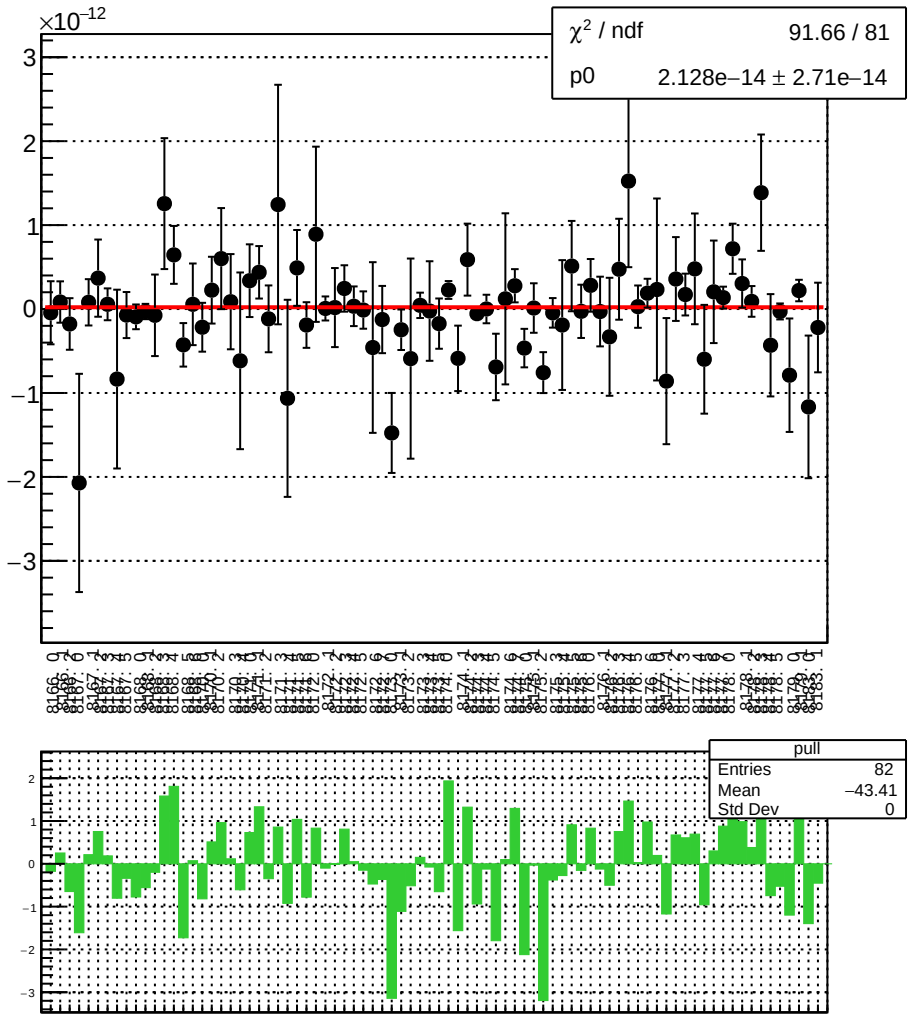

pull1D
Entries 82
Mean 0.006538
Std Dev 1.041

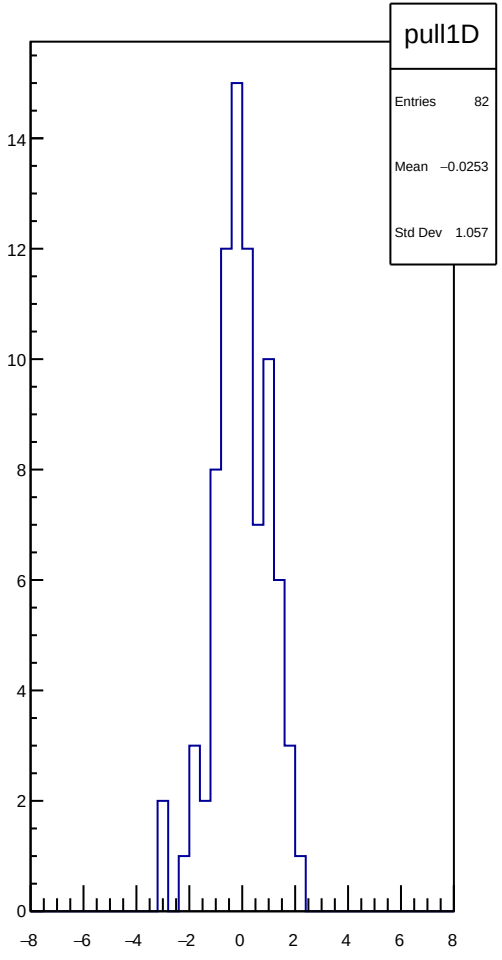

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6618 / 81
p0 25.35 ± 0.02019
30
29
28
27
26
25
24
23
22
21

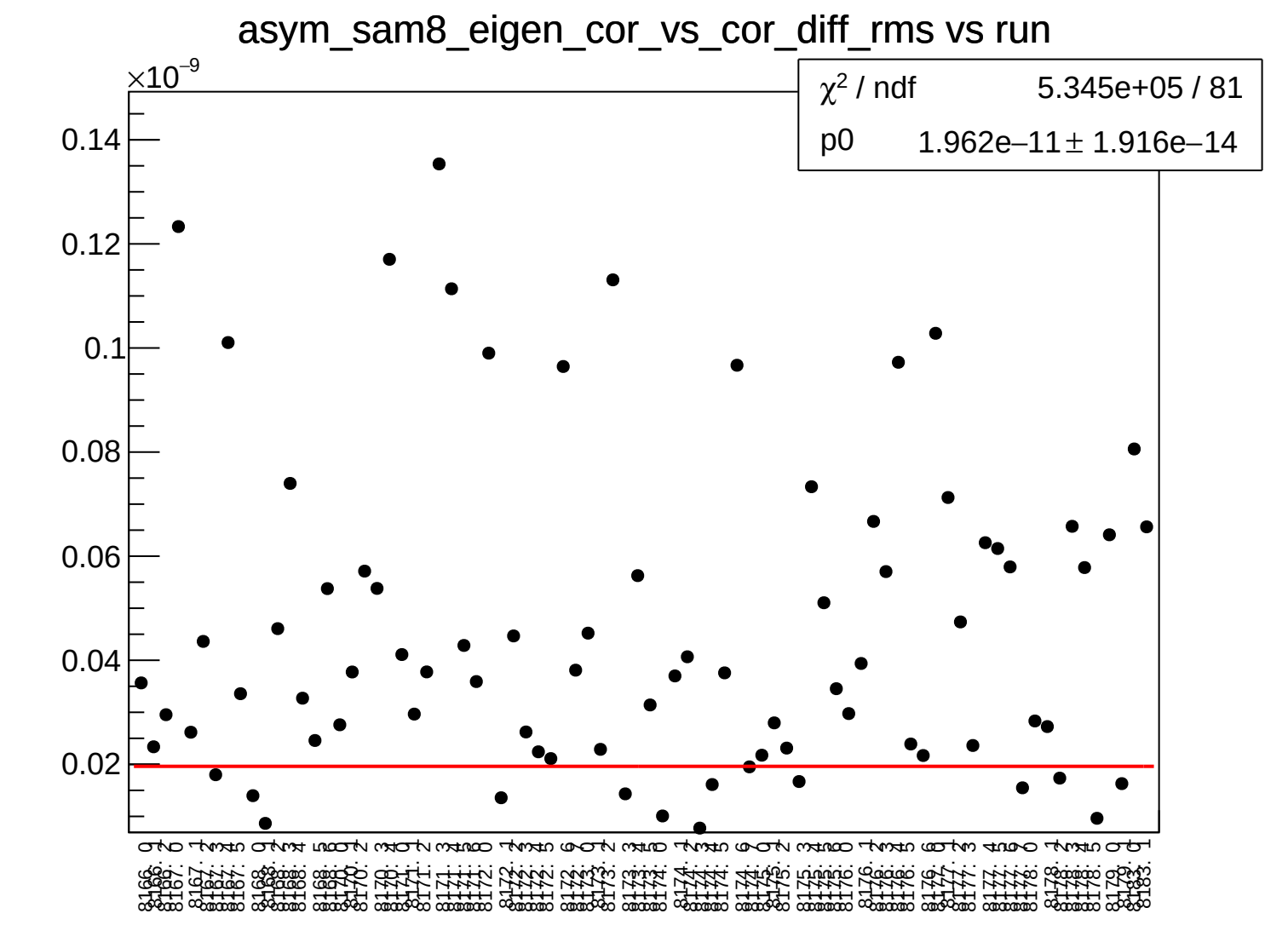

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.9 / 81
p0 −0.0463 ± 0.02856
pull
Entries 82
Mean 297.4
Std Dev 0

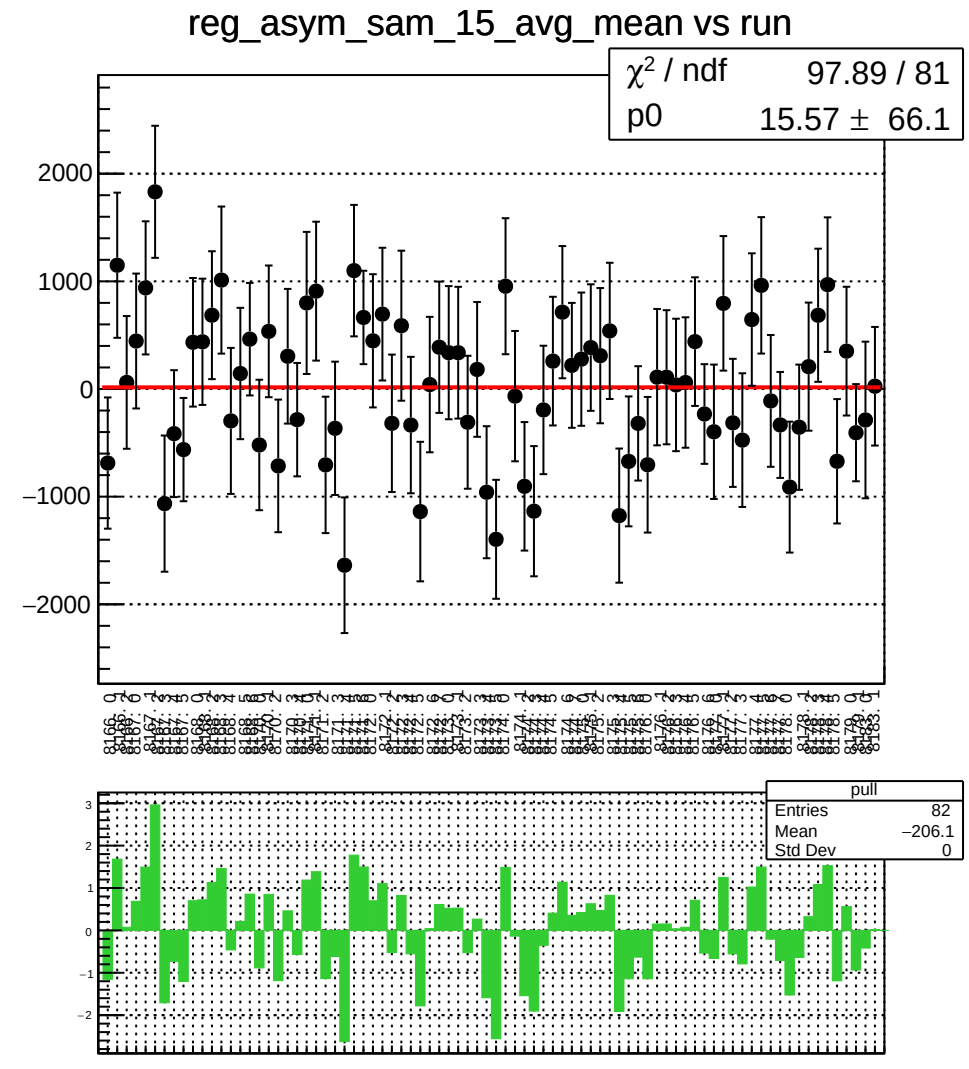

pull1D
Entries 82
Mean 0.006538
Std Dev 1.041

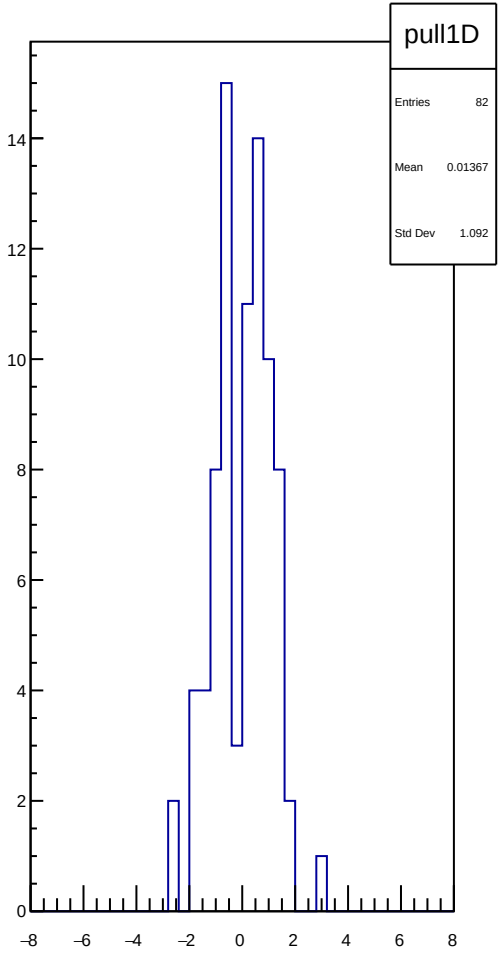

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6618 / 81
p0 25.35 ± 0.02019
30
29
28
27
26
25
24
23
22
21

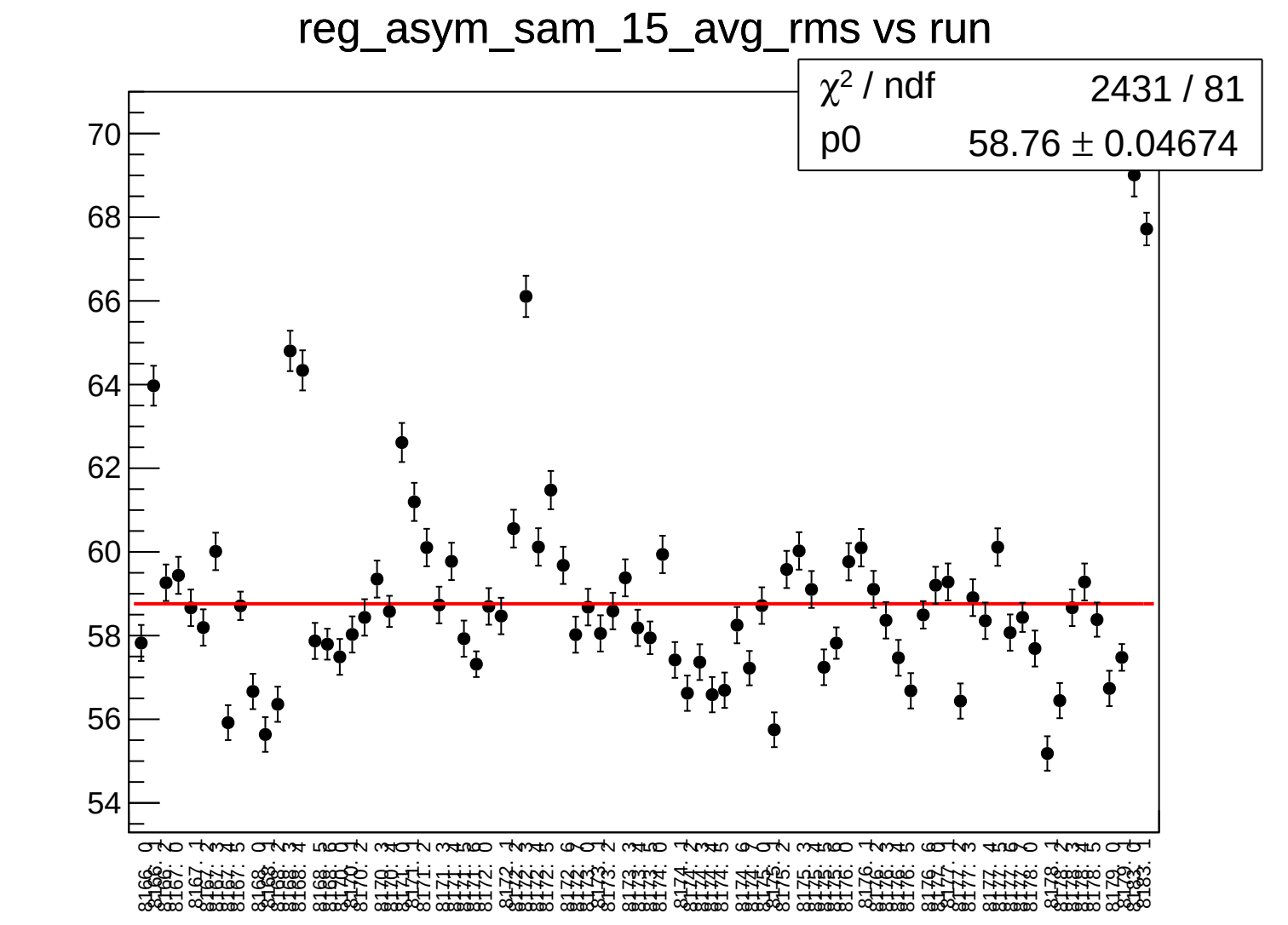

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.66 / 81
p0 2.128e−14 ± 2.71e−14
pull
Entries 82
Mean −43.41
Std Dev 0

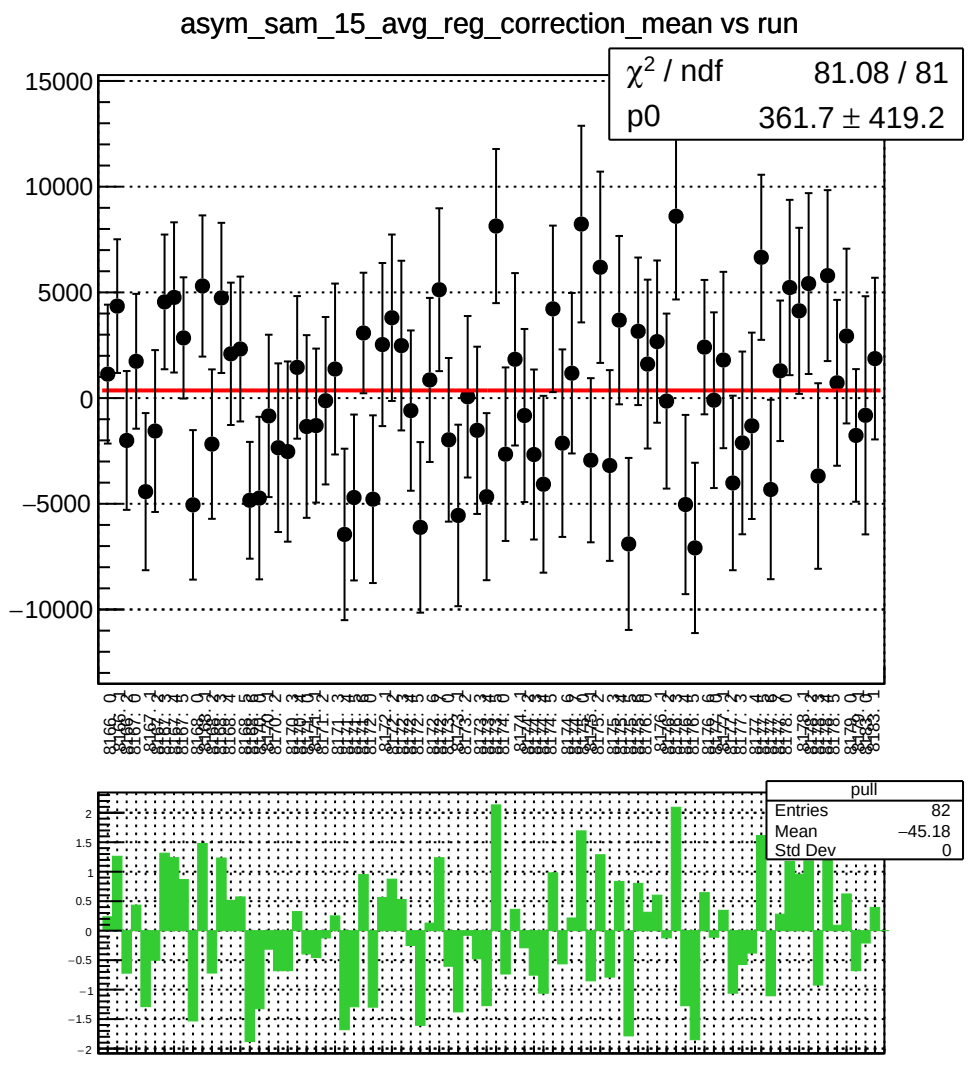

pull1D
Entries 82
Mean −0.0253
Std Dev 1.057

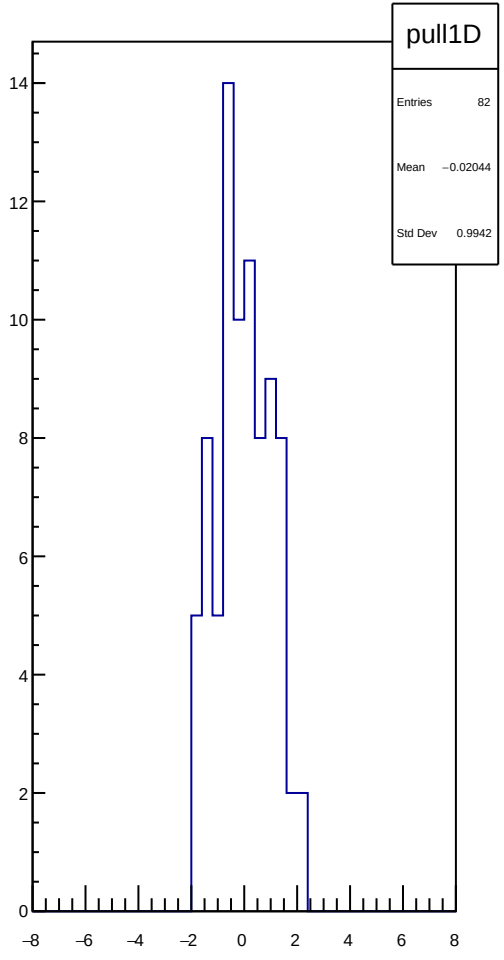

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.345e+05 / 81
p0 1.962e−11 ± 1.916e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

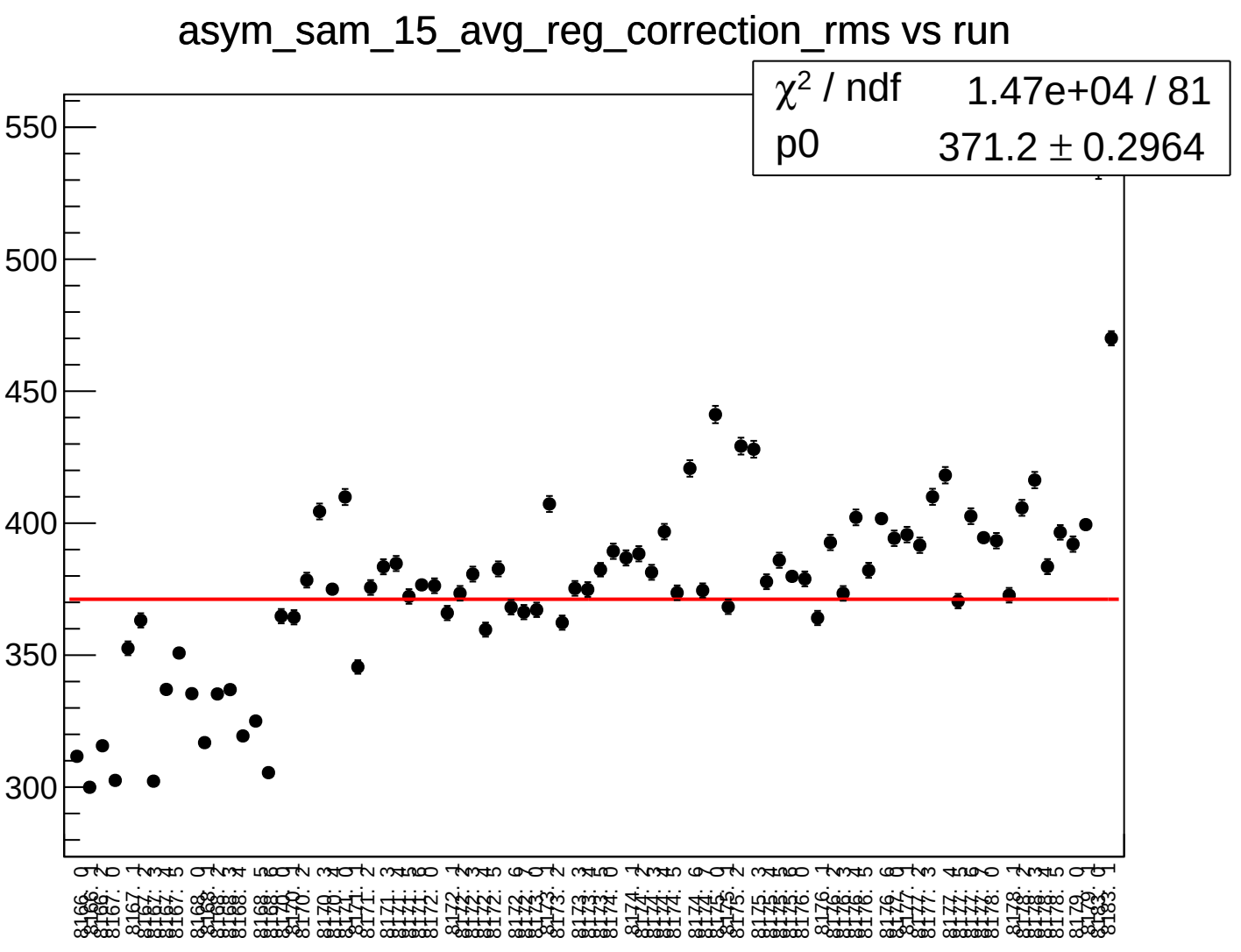

reg_asym_sam_15_avg_mean vs run
χ² / ndf 97.89 / 81
p0 15.57 ± 66.1
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −206.1
Std Dev 0
3
2
1
0
−1
−2

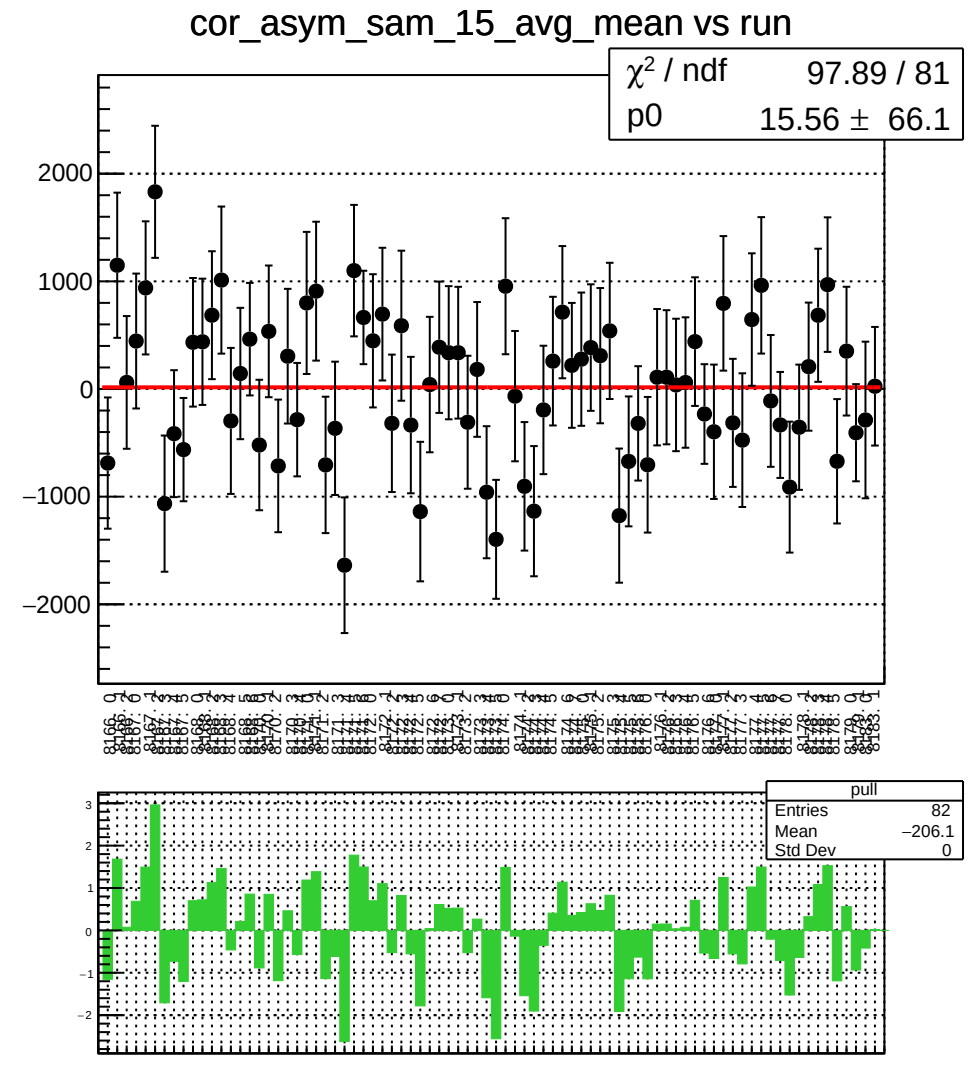

pull1D
Entries 82
Mean 0.01367
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

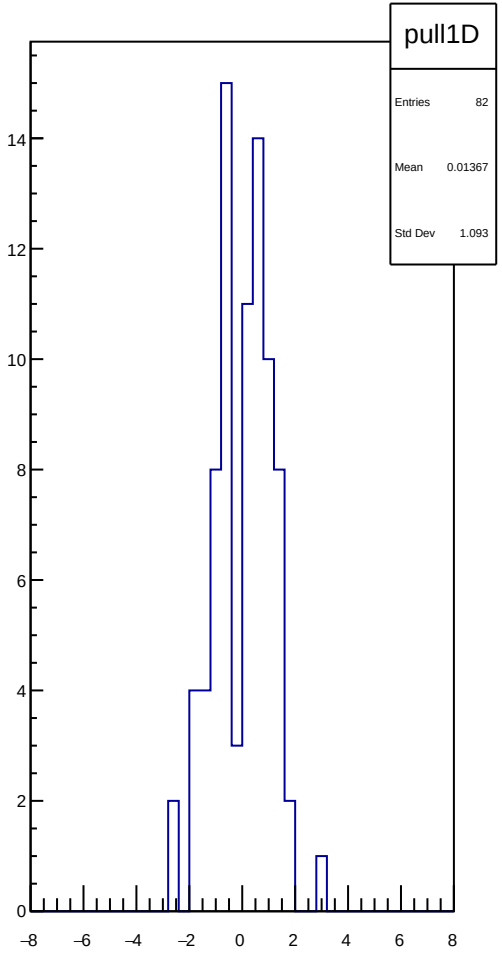

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 2431 / 81
p0 58.76 ± 0.04674
70
68
66
64
62
60
58
56
54

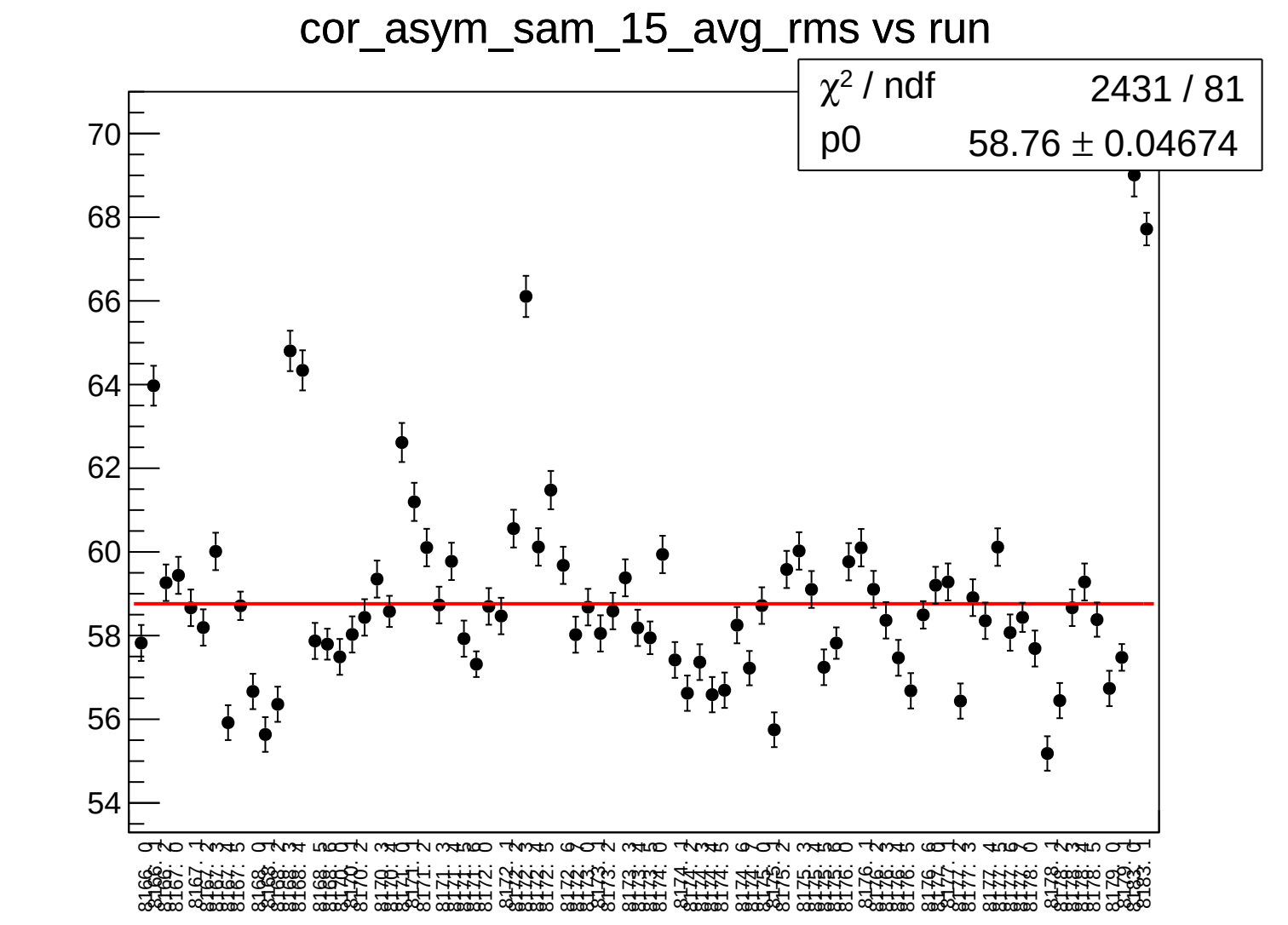

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 81.08 / 81
p0 361.7 ± 419.2
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −45.18
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

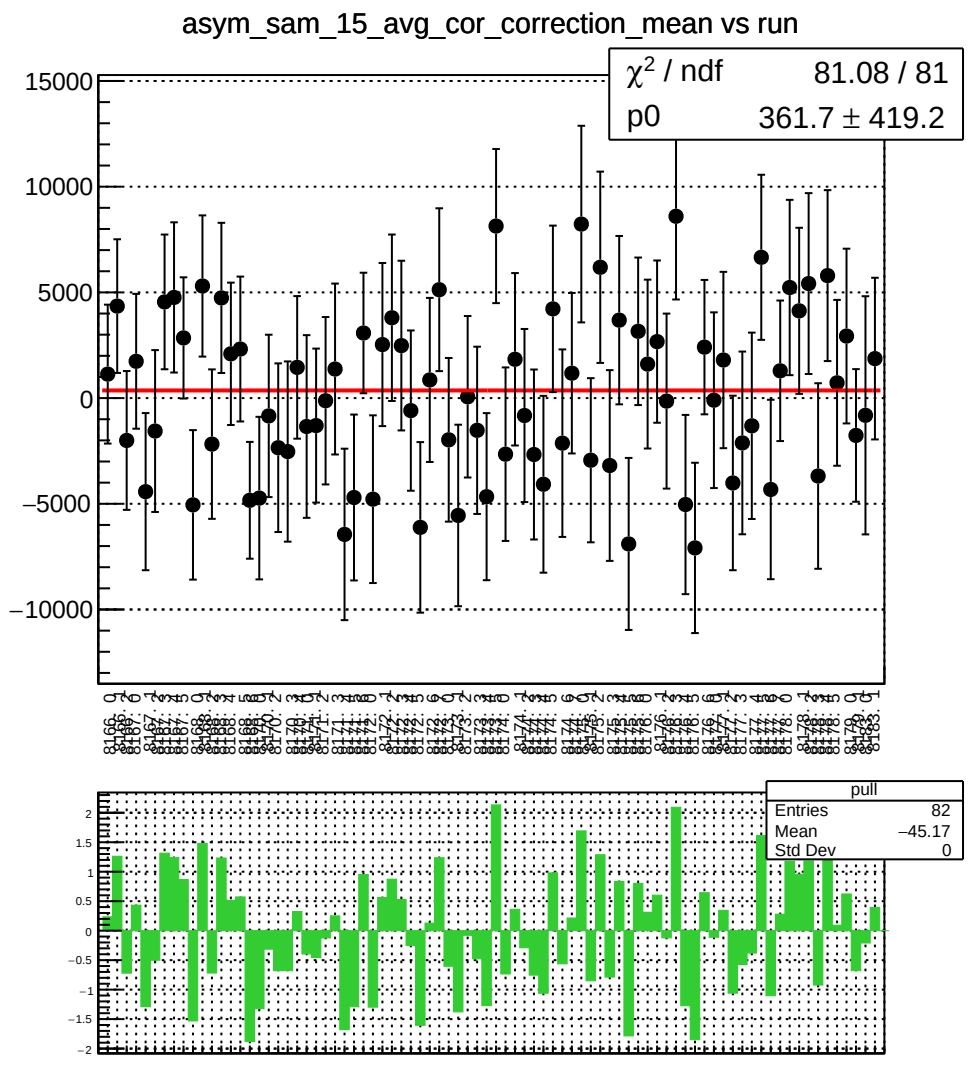

pull1D
Entries 82
Mean −0.02044
Std Dev 0.9942
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

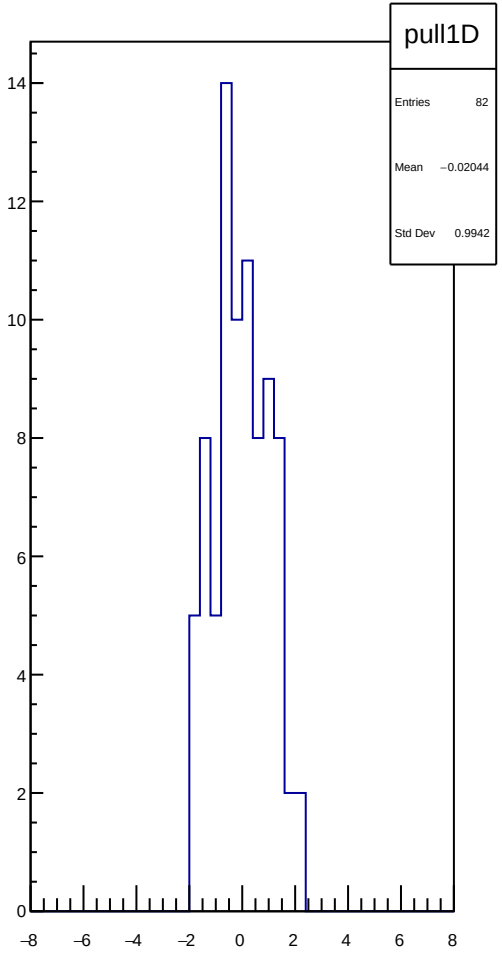

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1.47e+04 / 81
p0 371.2 ± 0.2964
550
500
450
400
350
300

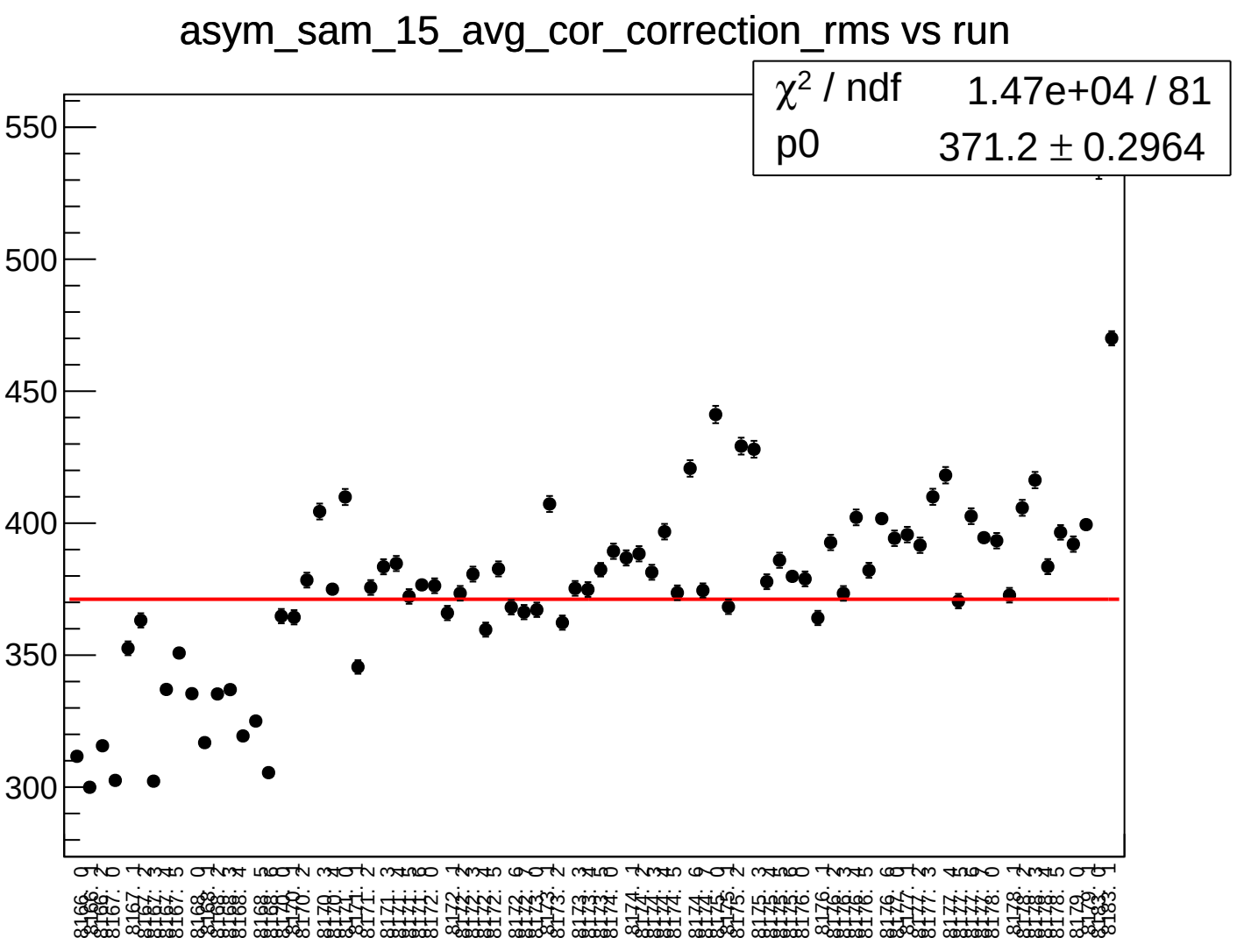

cor_asym_sam_15_avg_mean vs run
χ² / ndf 97.89 / 81
p0 15.56 ± 66.1
pull
Entries 82
Mean −206.1
Std Dev 0

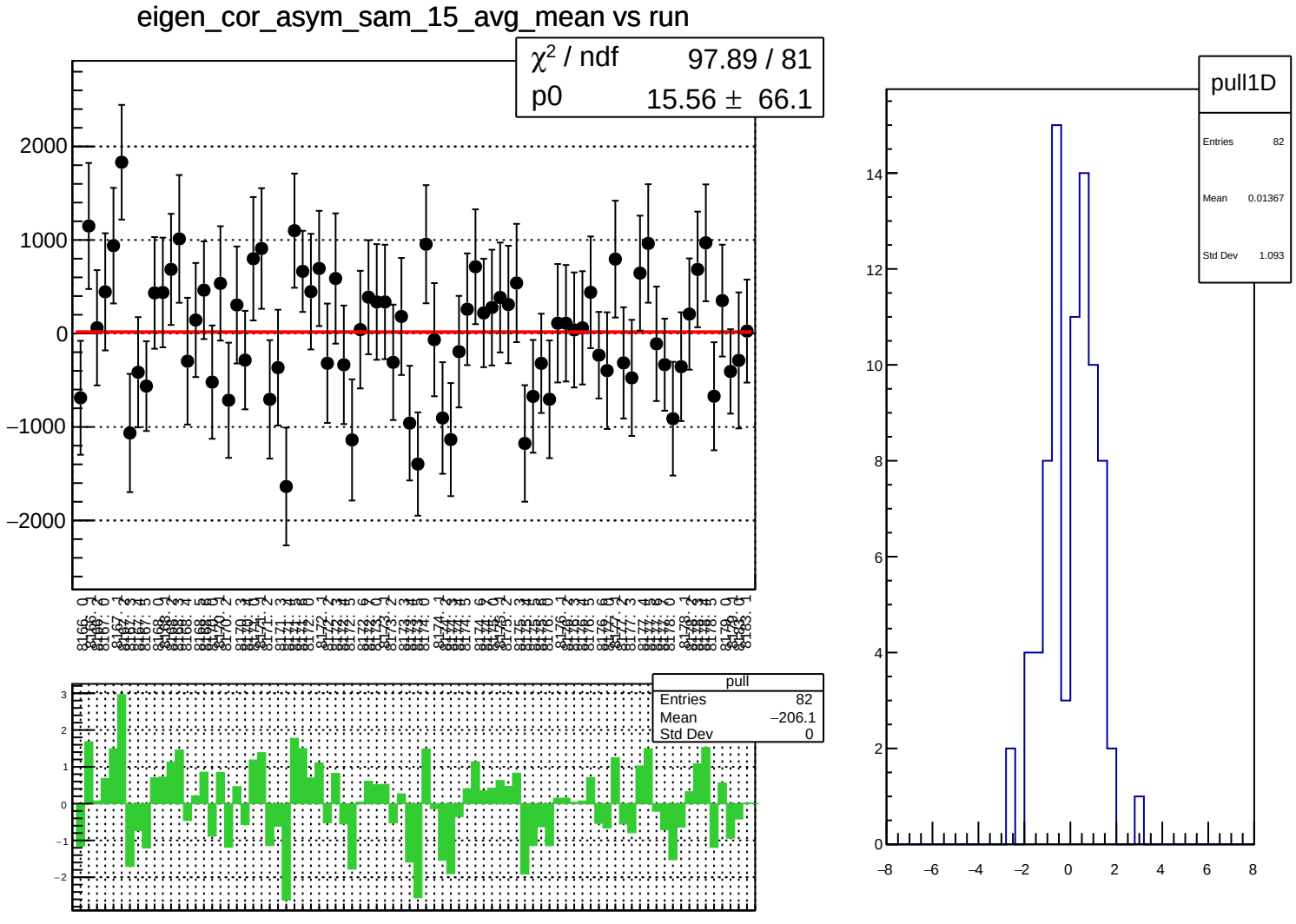

pull1D
Entries 82
Mean 0.01367
Std Dev 1.093

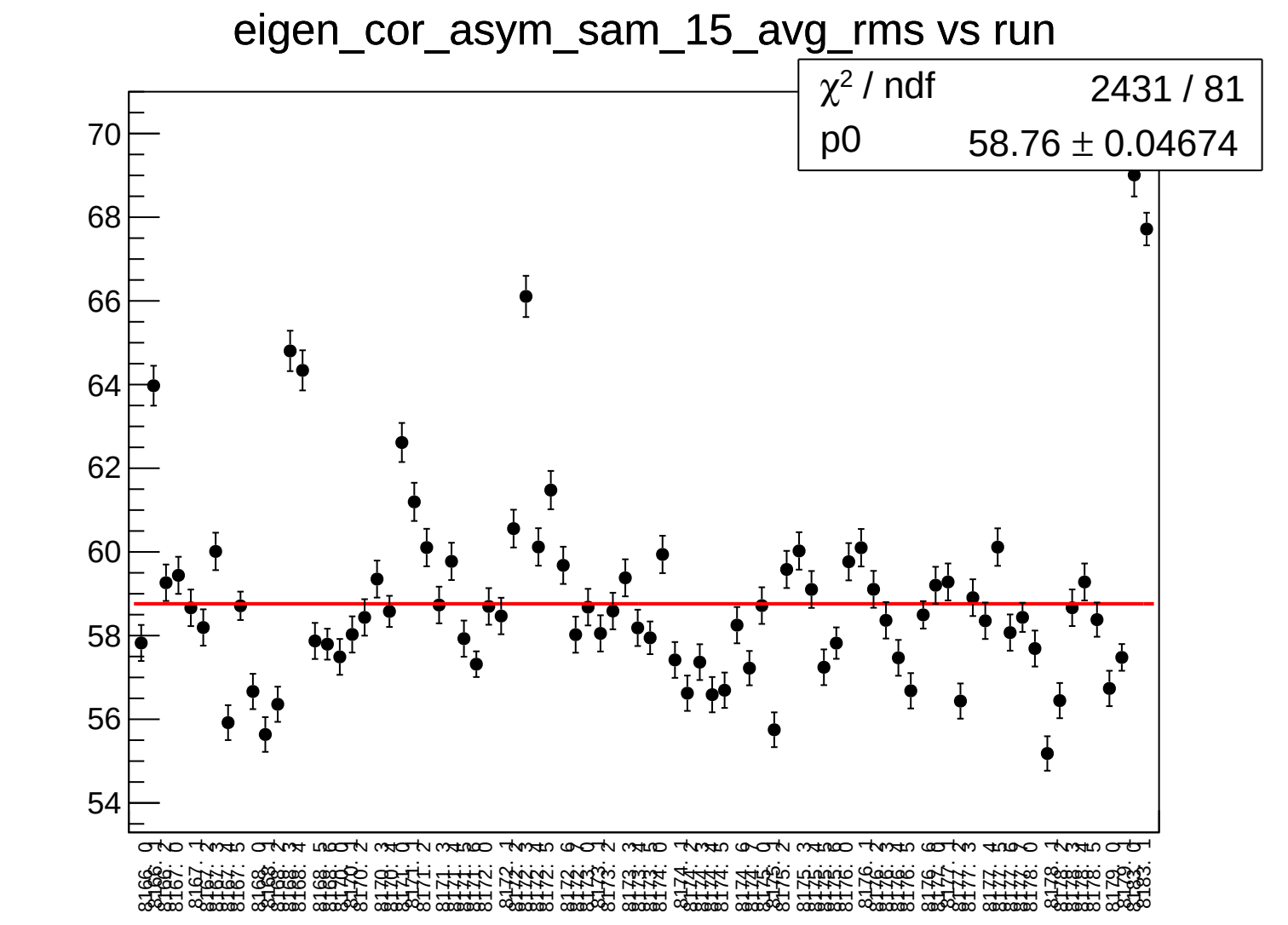

cor_asym_sam_15_avg_rms vs run
χ^2 / ndf 2431 / 81
p0 58.76 ± 0.04674
70
68
66
64
62
60
58
56
54

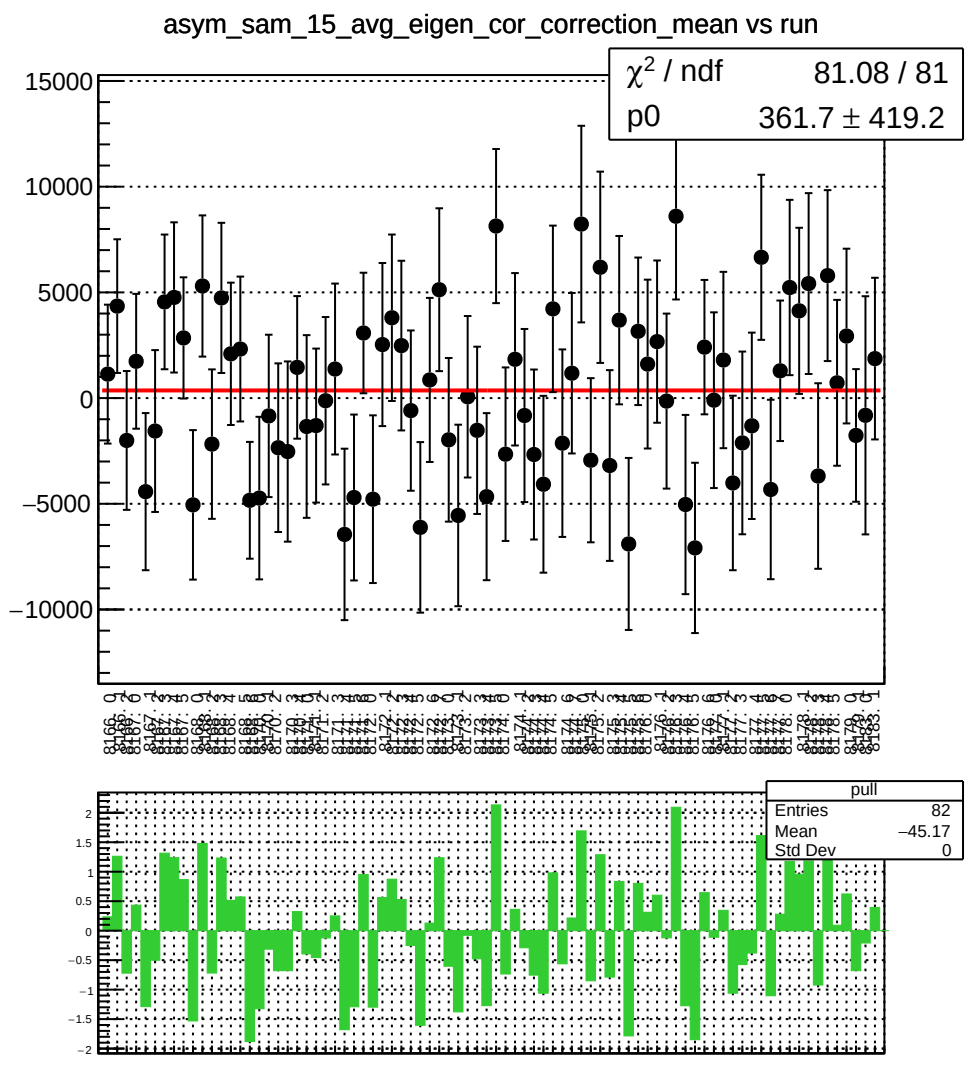

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 81.08 / 81
p0 361.7 ± 419.2
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −45.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

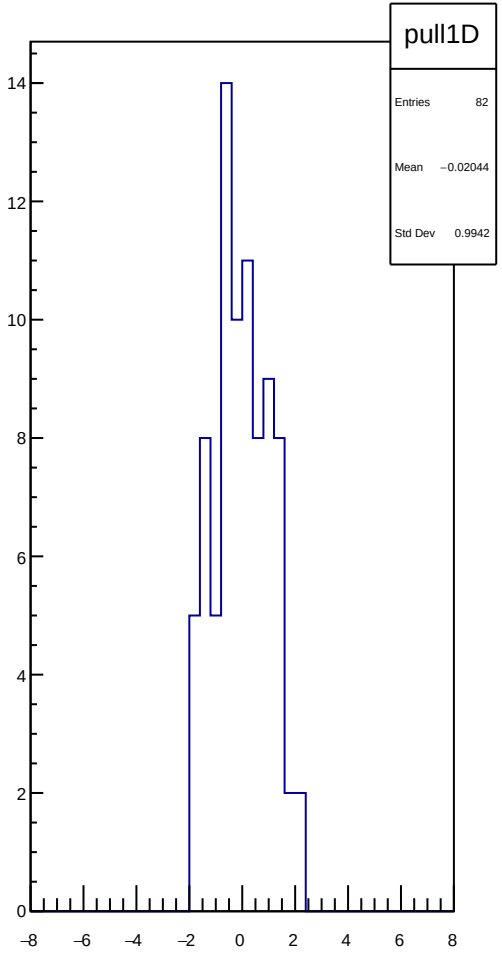

pull1D
Entries 82
Mean −0.02044
Std Dev 0.9942
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

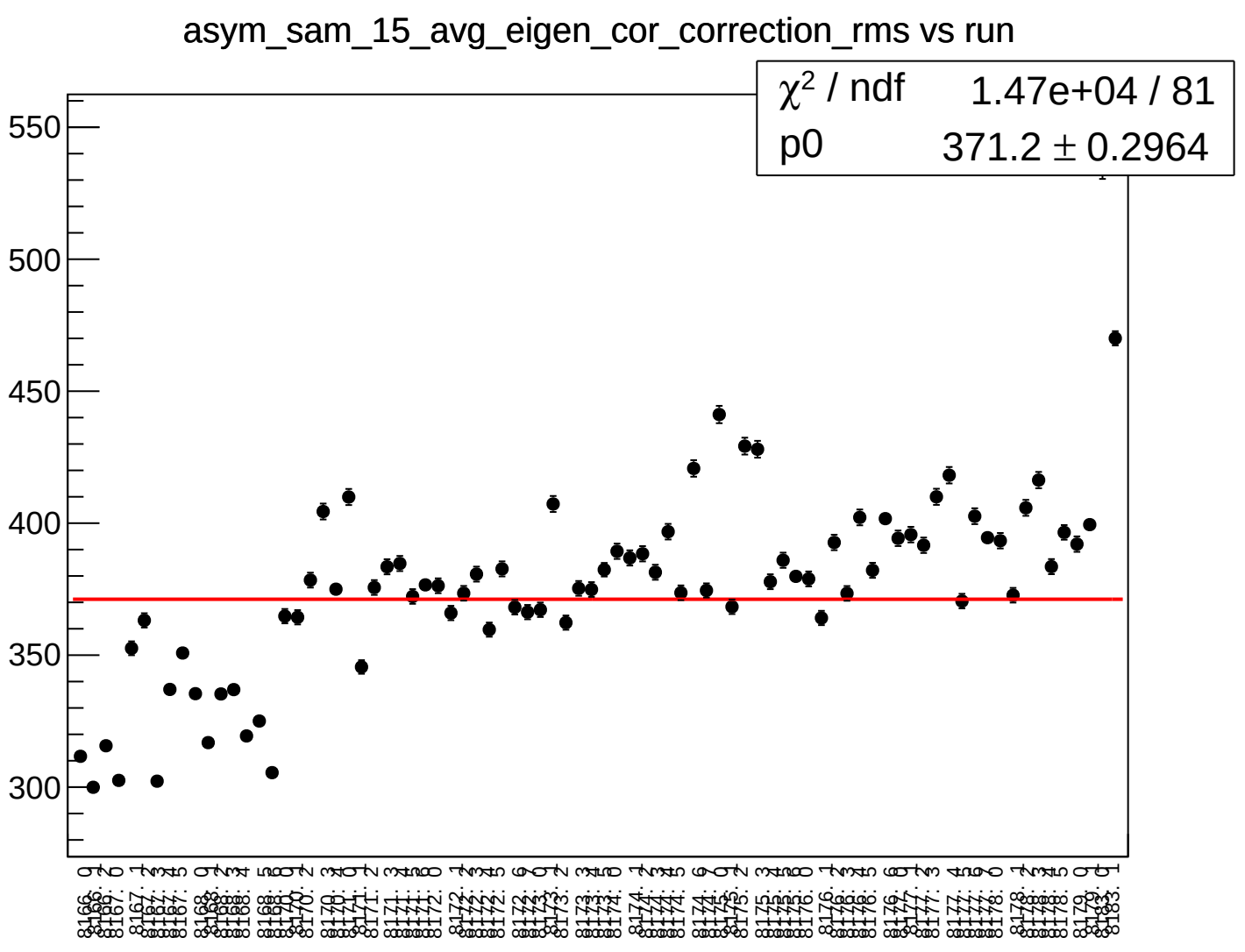

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 1.47e+04 / 81
p0 371.2 ± 0.2964
550
500
450
400
350
300

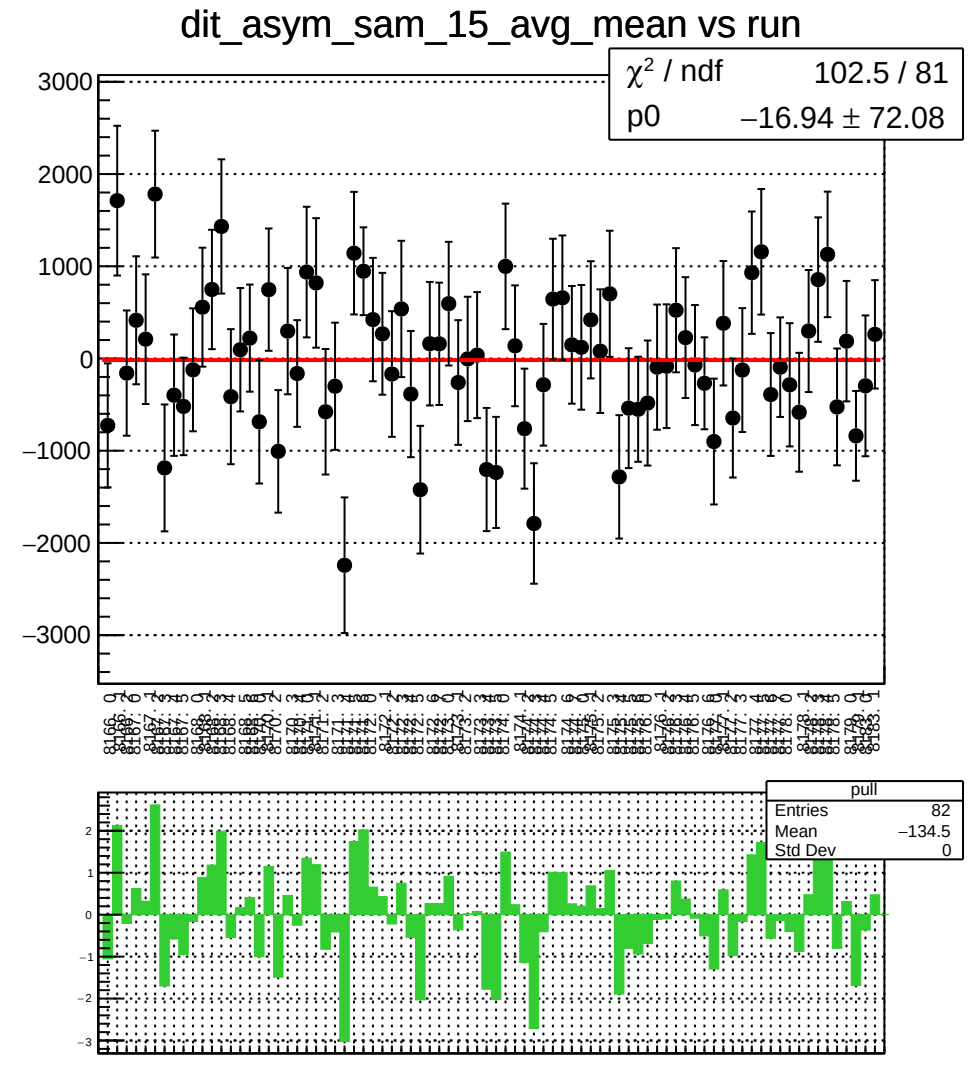

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 97.89 / 81
p0 15.56 ± 66.1
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −206.1
Std Dev 0
pull1D
Entries 82
Mean 0.01367
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

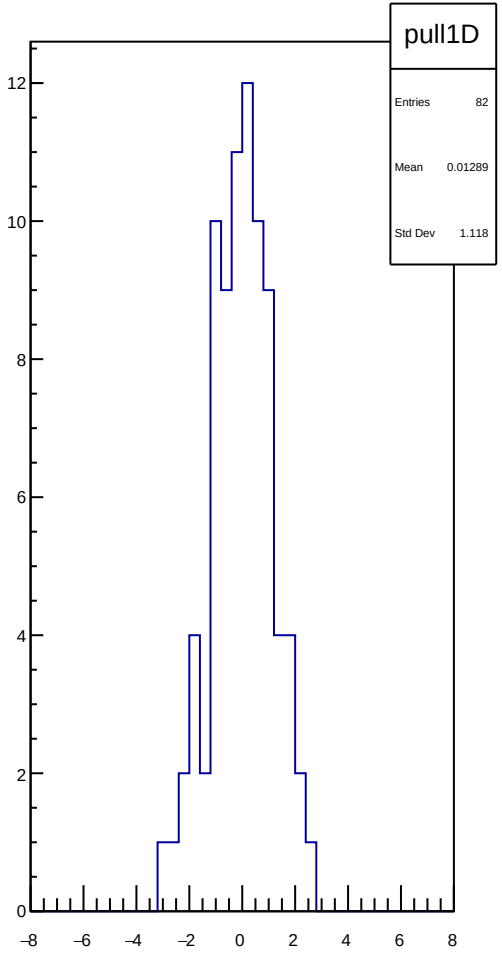

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 2431 / 81
p0 58.76 ± 0.04674
70
68
66
64
62
60
58
56
54

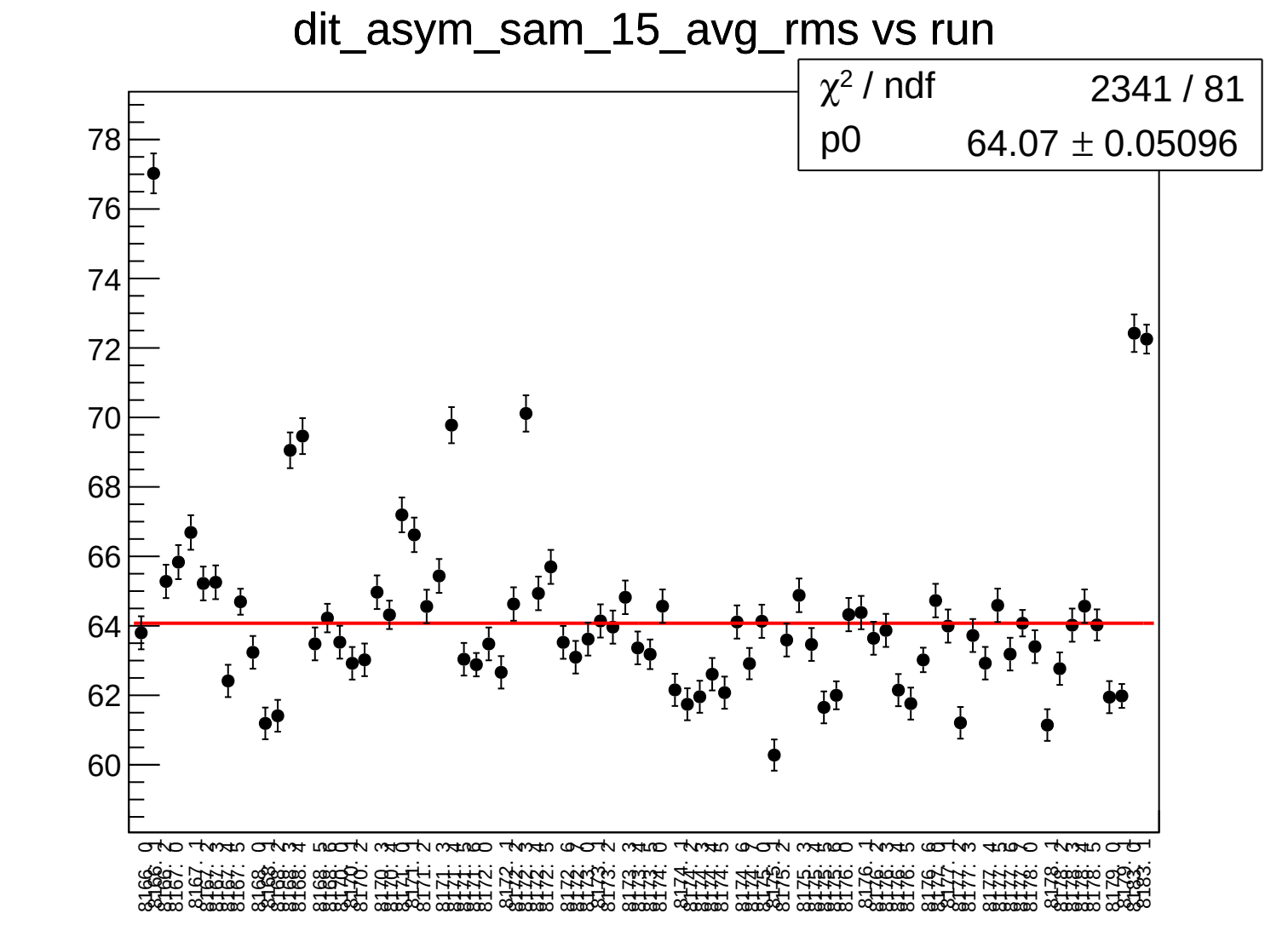

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.08 / 81
p0 361.7 ± 419.2
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −45.17
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

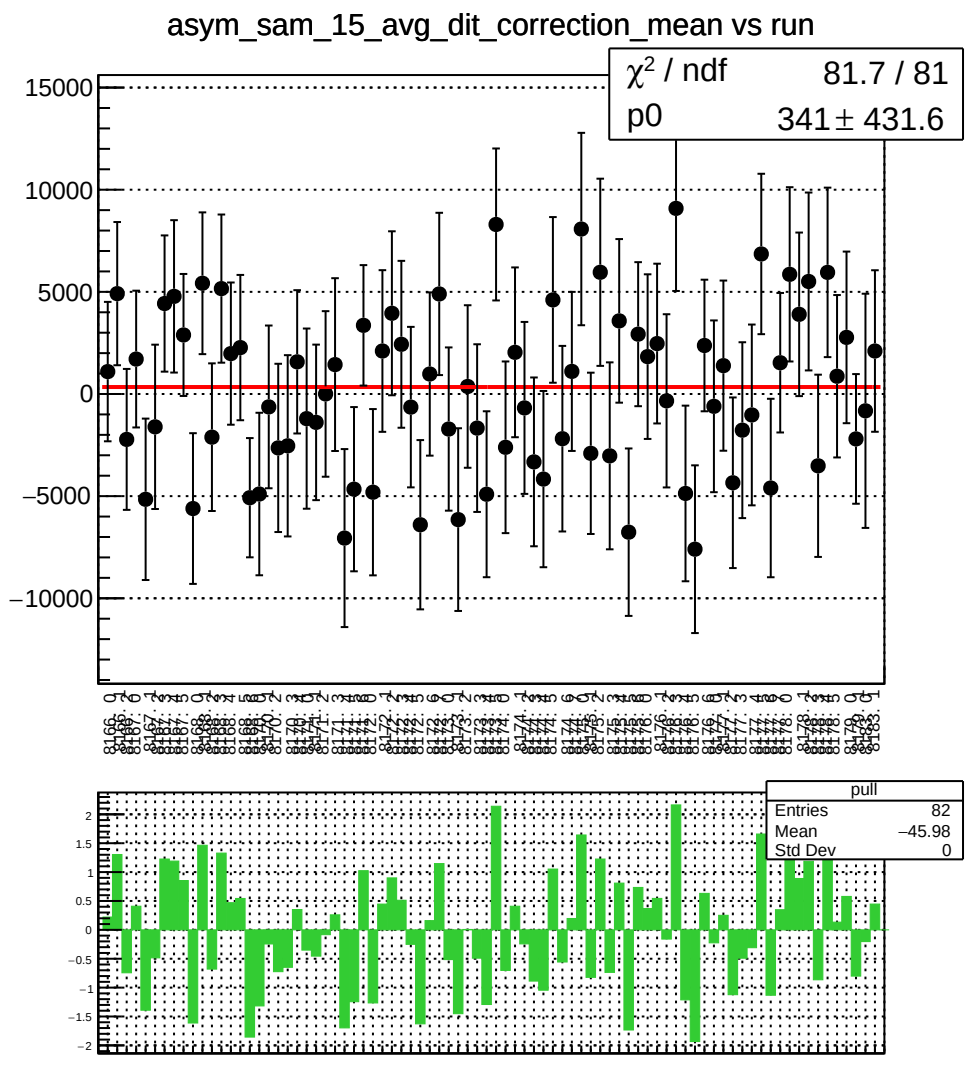

pull1D
Entries 82
Mean −0.02044
Std Dev 0.9942
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

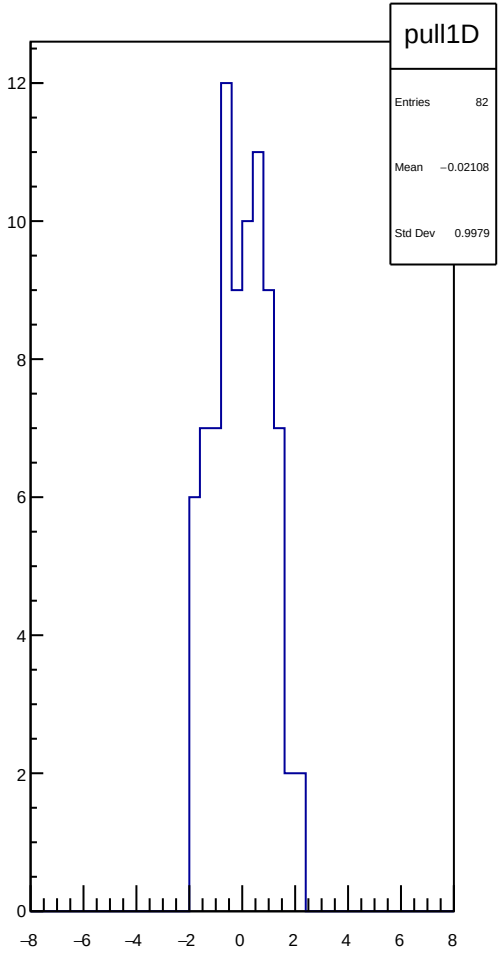

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.47e+04 / 81
p0 371.2 ± 0.2964
550
500
450
400
350
300

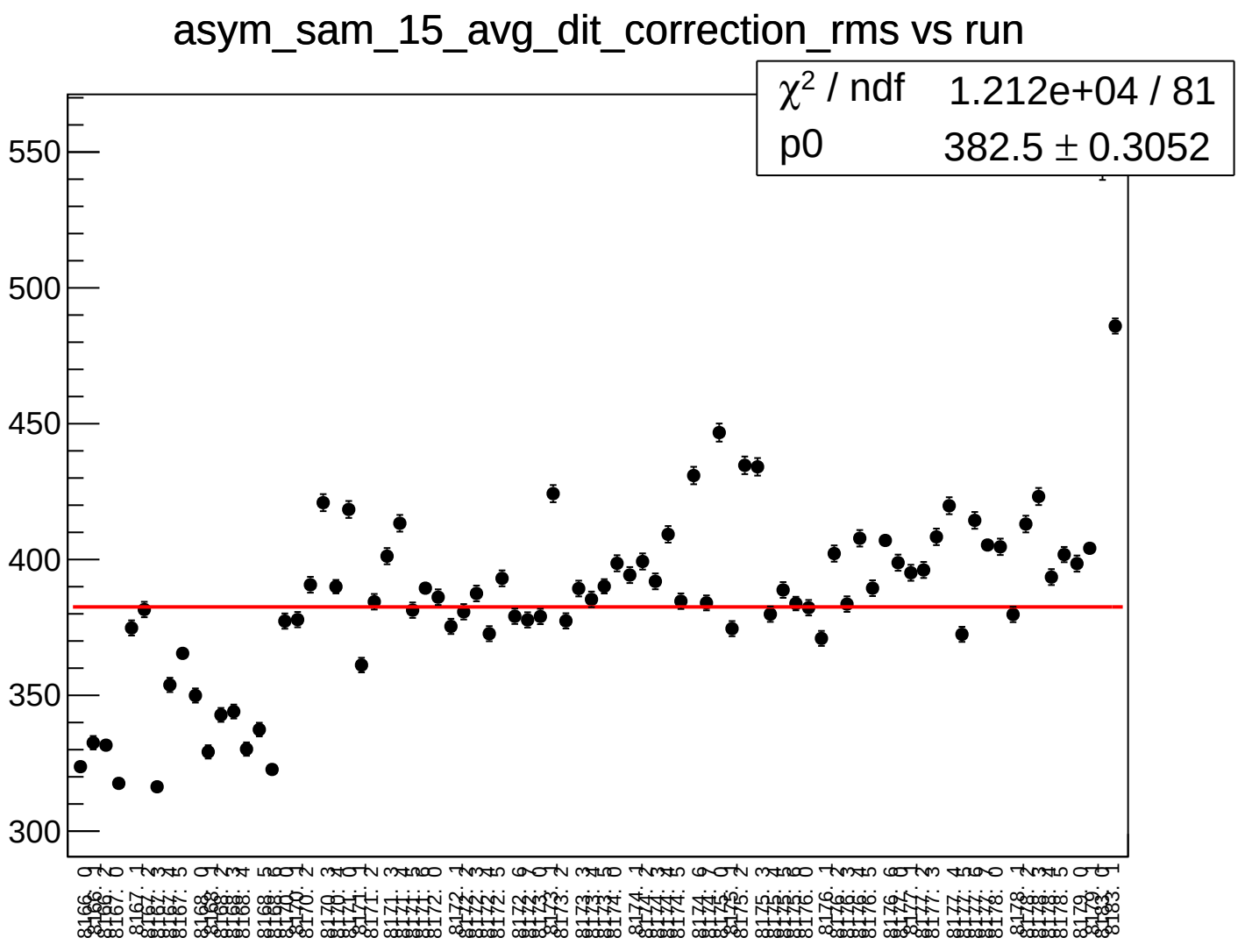

dit_asym_sam_15_avg_mean vs run
χ² / ndf 102.5 / 81
p0 −16.94 ± 72.08
pull
Entries 82
Mean −134.5
Std Dev 0

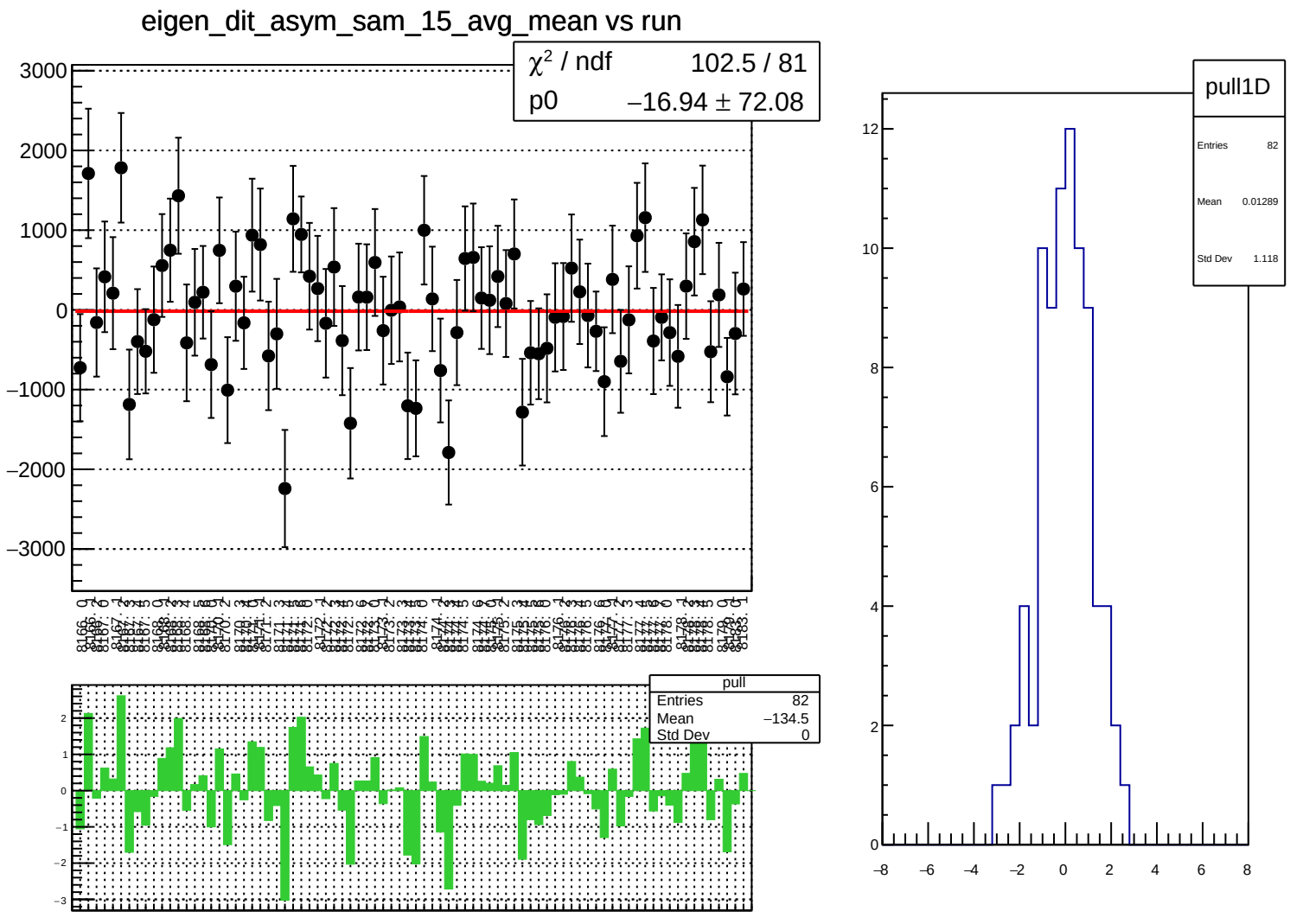

pull1D
Entries 82
Mean 0.01289
Std Dev 1.118

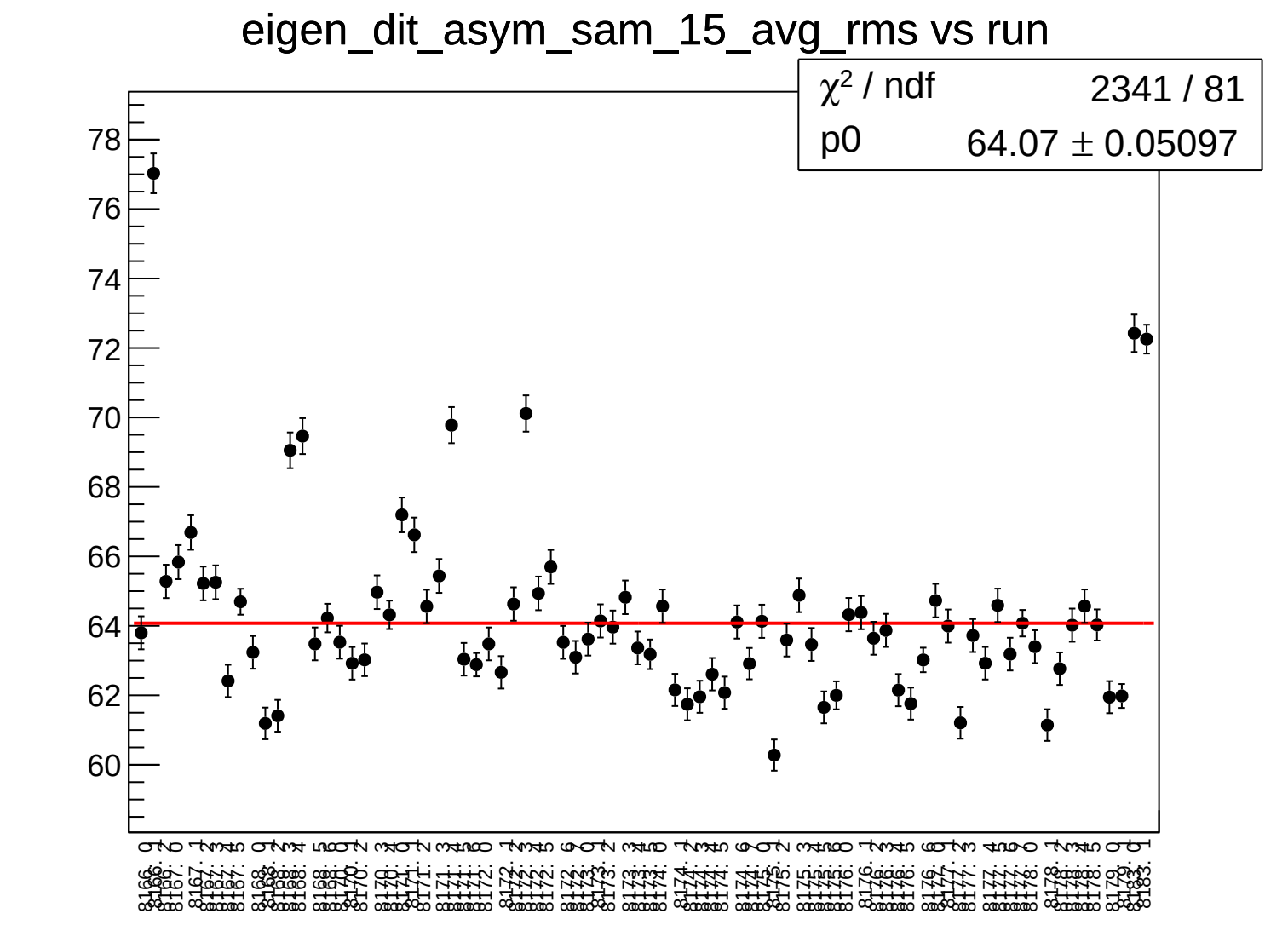

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2341 / 81
p0 64.07 ± 0.05096
78
76
74
72
70
68
66
64
62
60

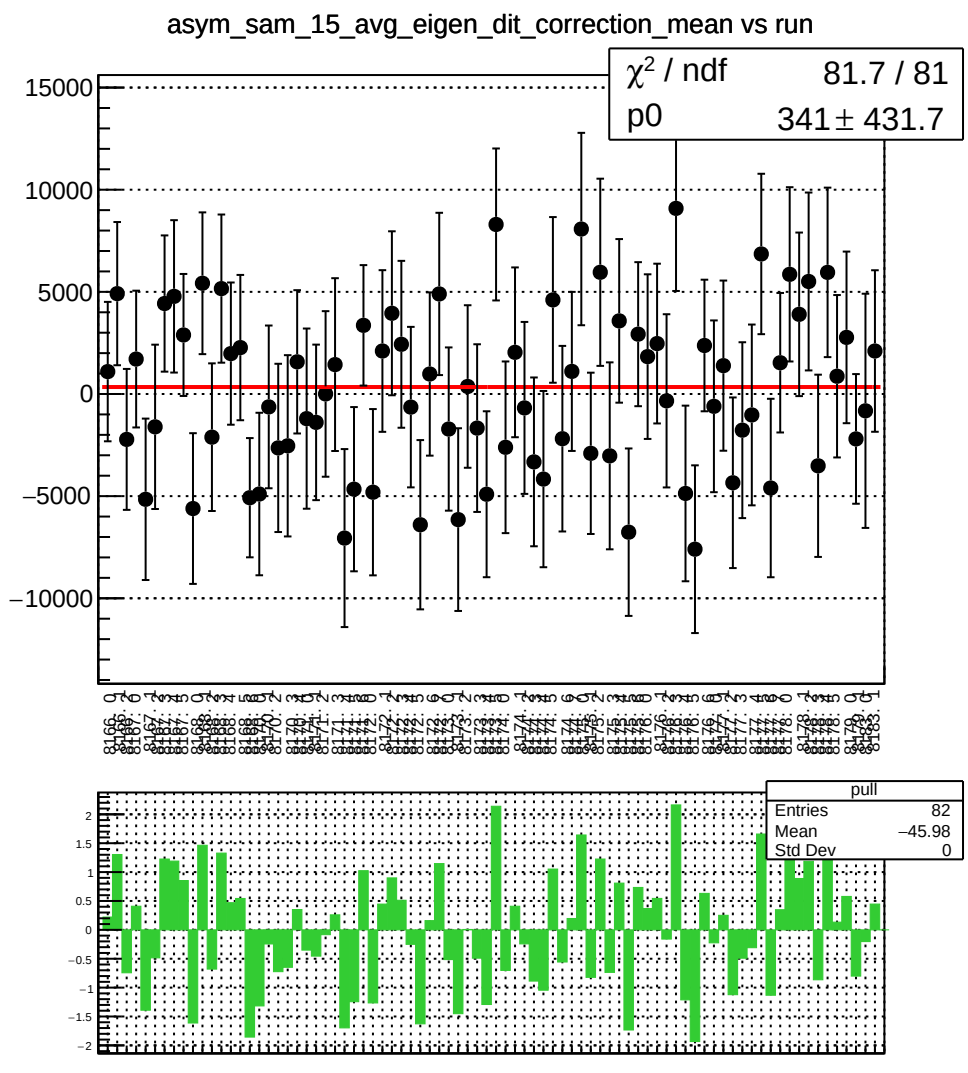

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 81.7 / 81
p0 341 ± 431.6
pull
Entries 82
Mean −45.98
Std Dev 0

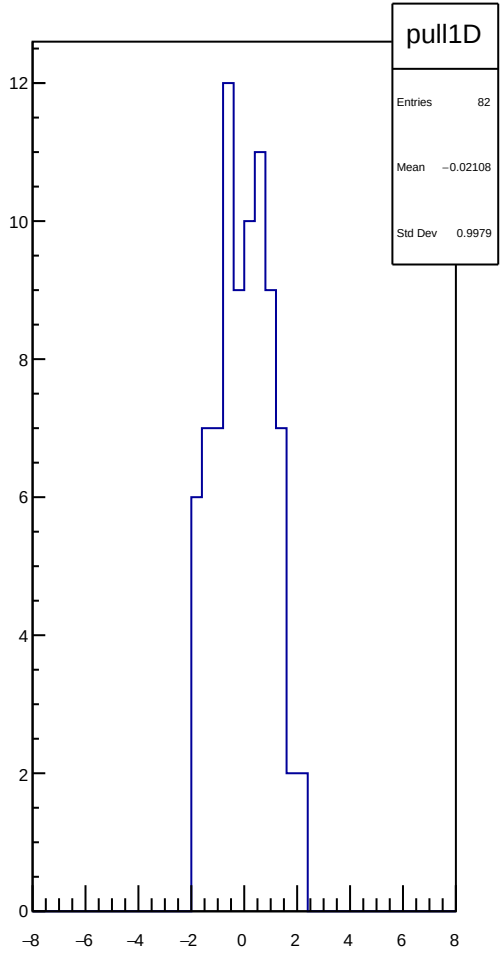

pull1D
Entries 82
Mean −0.02108
Std Dev 0.9979

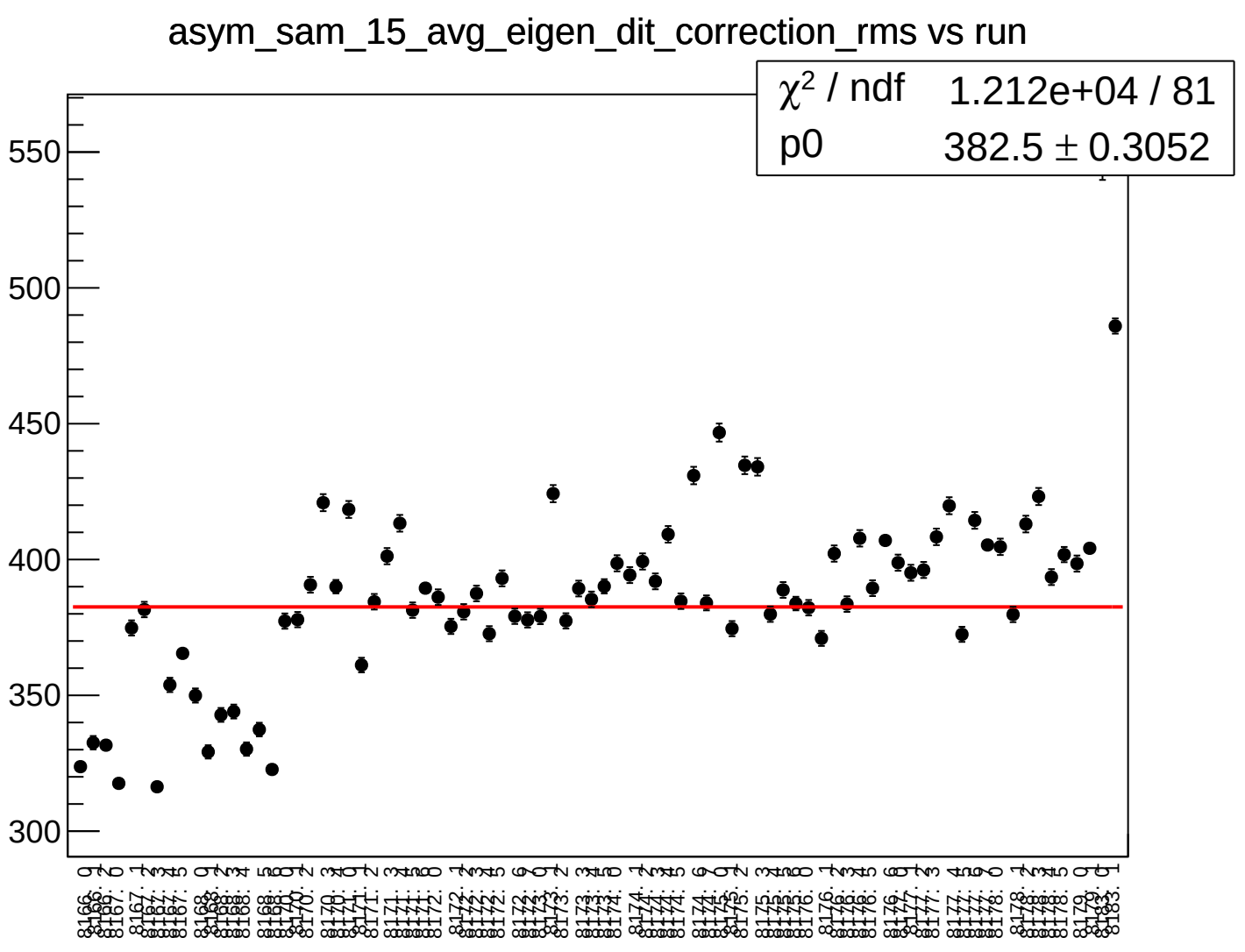

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1.212e+04 / 81
p0 382.5 ± 0.3052
550
500
450
400
350
300

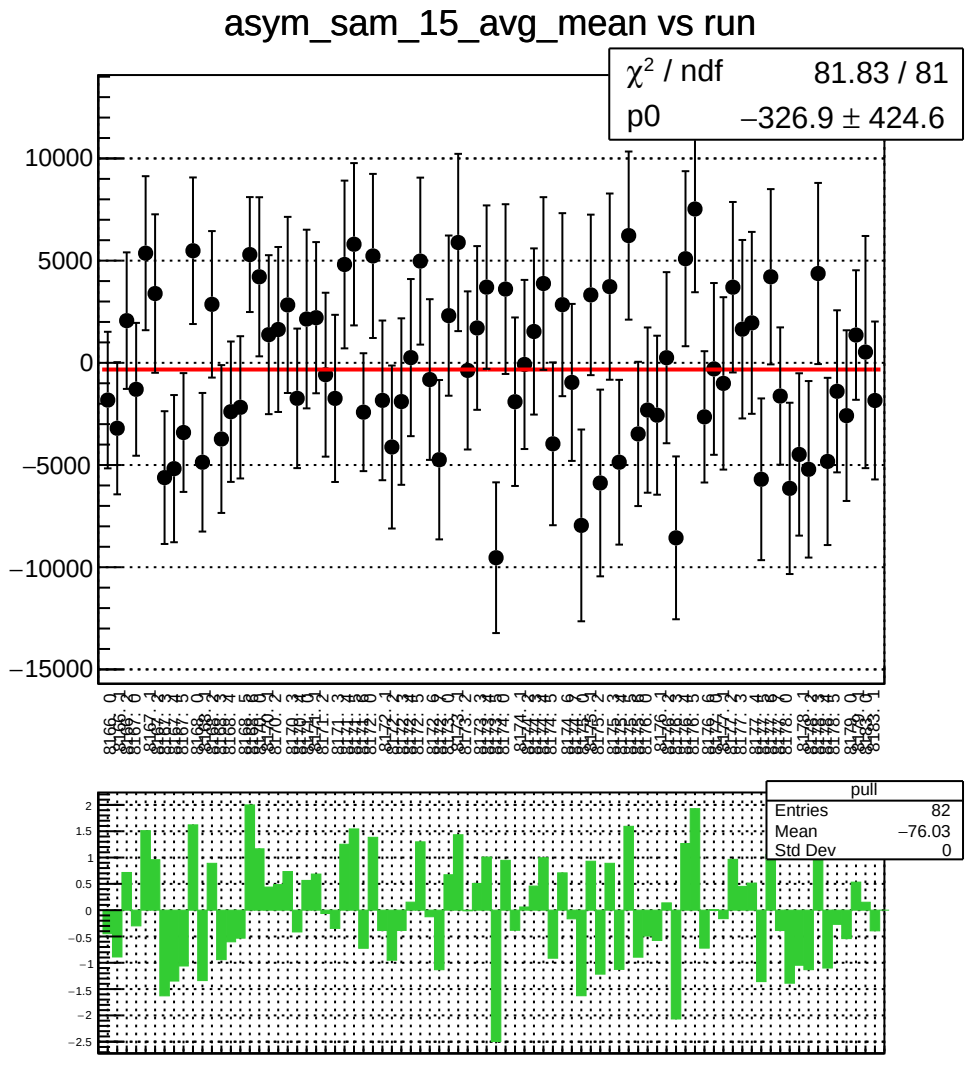

eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 102.5 / 81
p0 −16.94 ± 72.08
pull
Entries 82
Mean −134.5
Std Dev 0
pull1D
Entries 82
Mean 0.01289
Std Dev 1.118

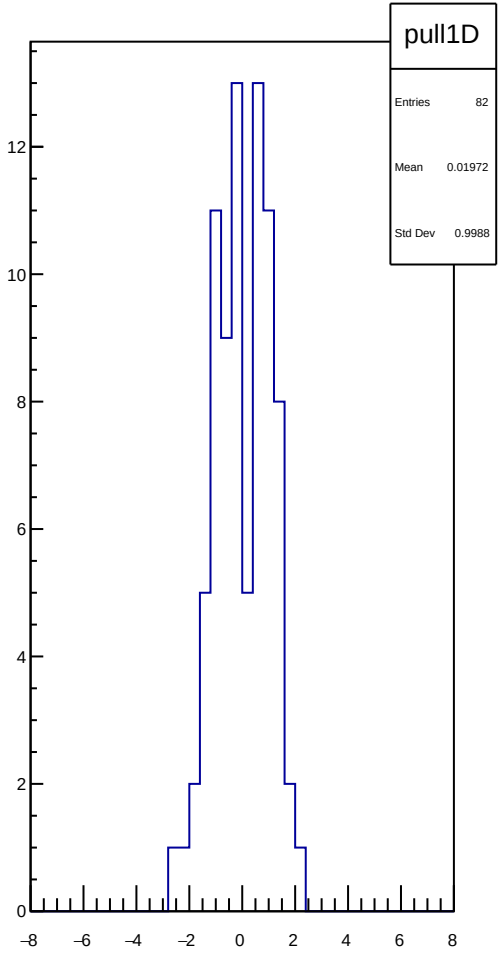

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 2341 / 81
p0 64.07 ± 0.05097
78
76
74
72
70
68
66
64
62
60

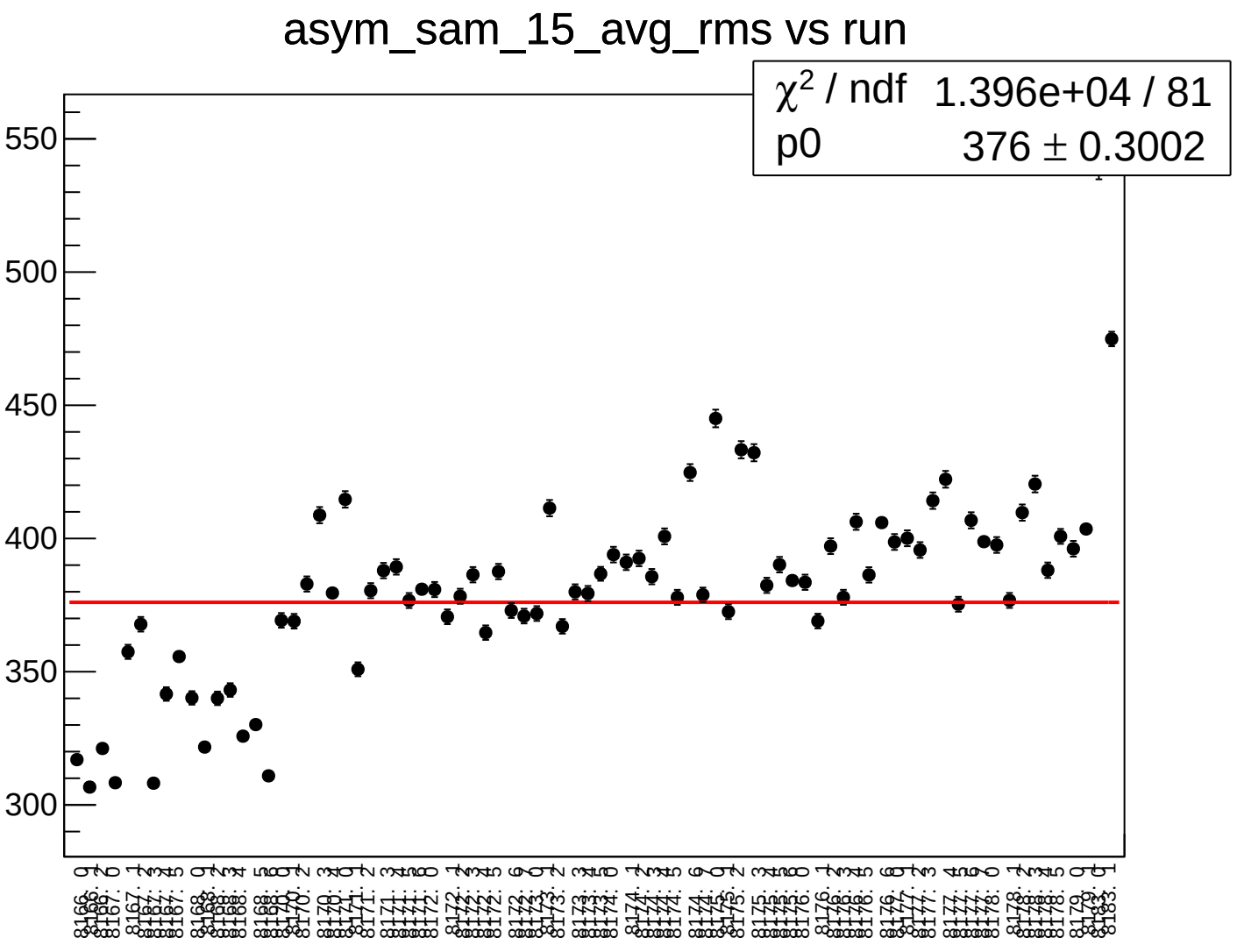

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.7 / 81
p0 341 ± 431.7
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −45.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

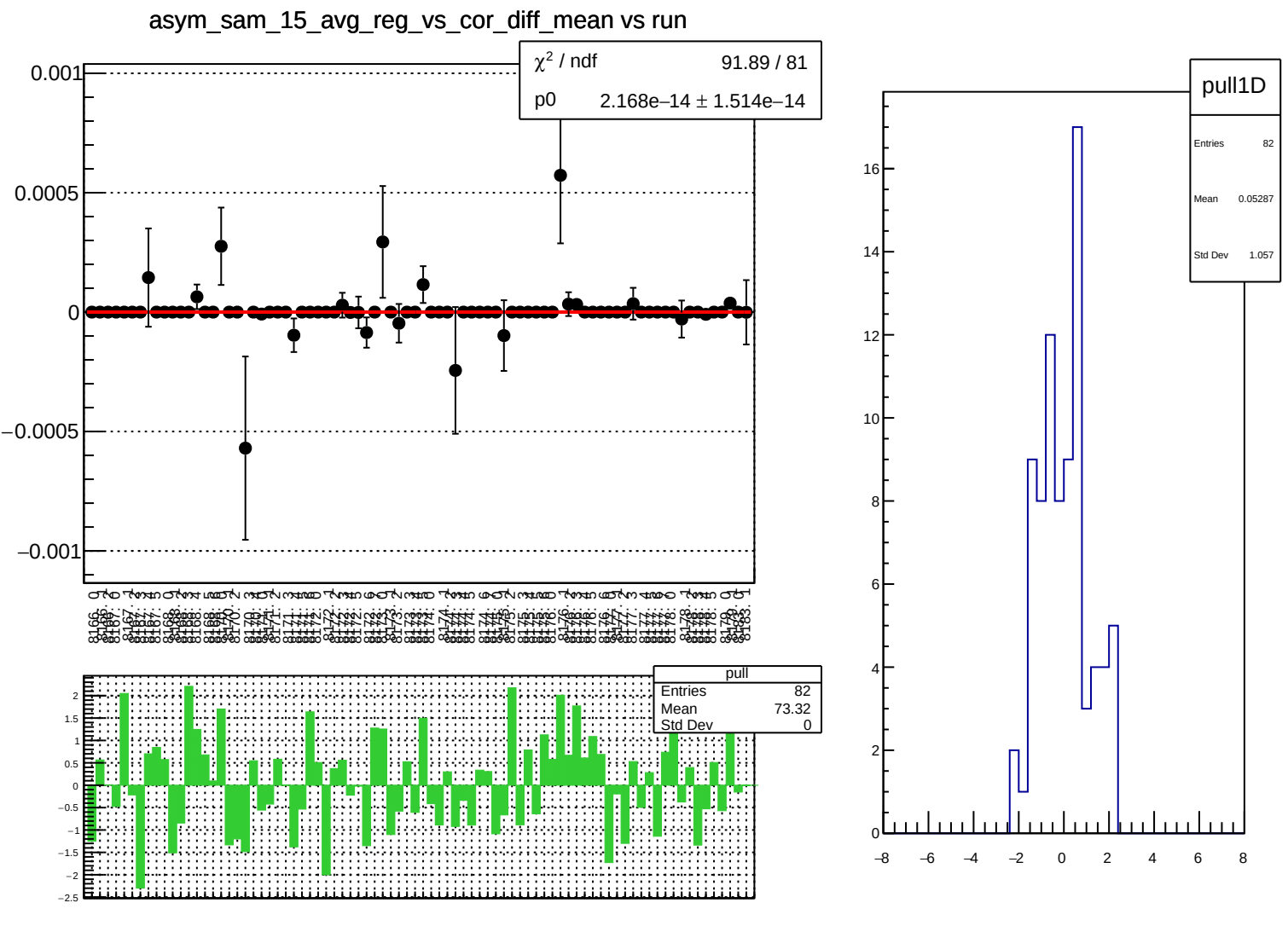

pull1D
Entries 82
Mean −0.02108
Std Dev 0.9979
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

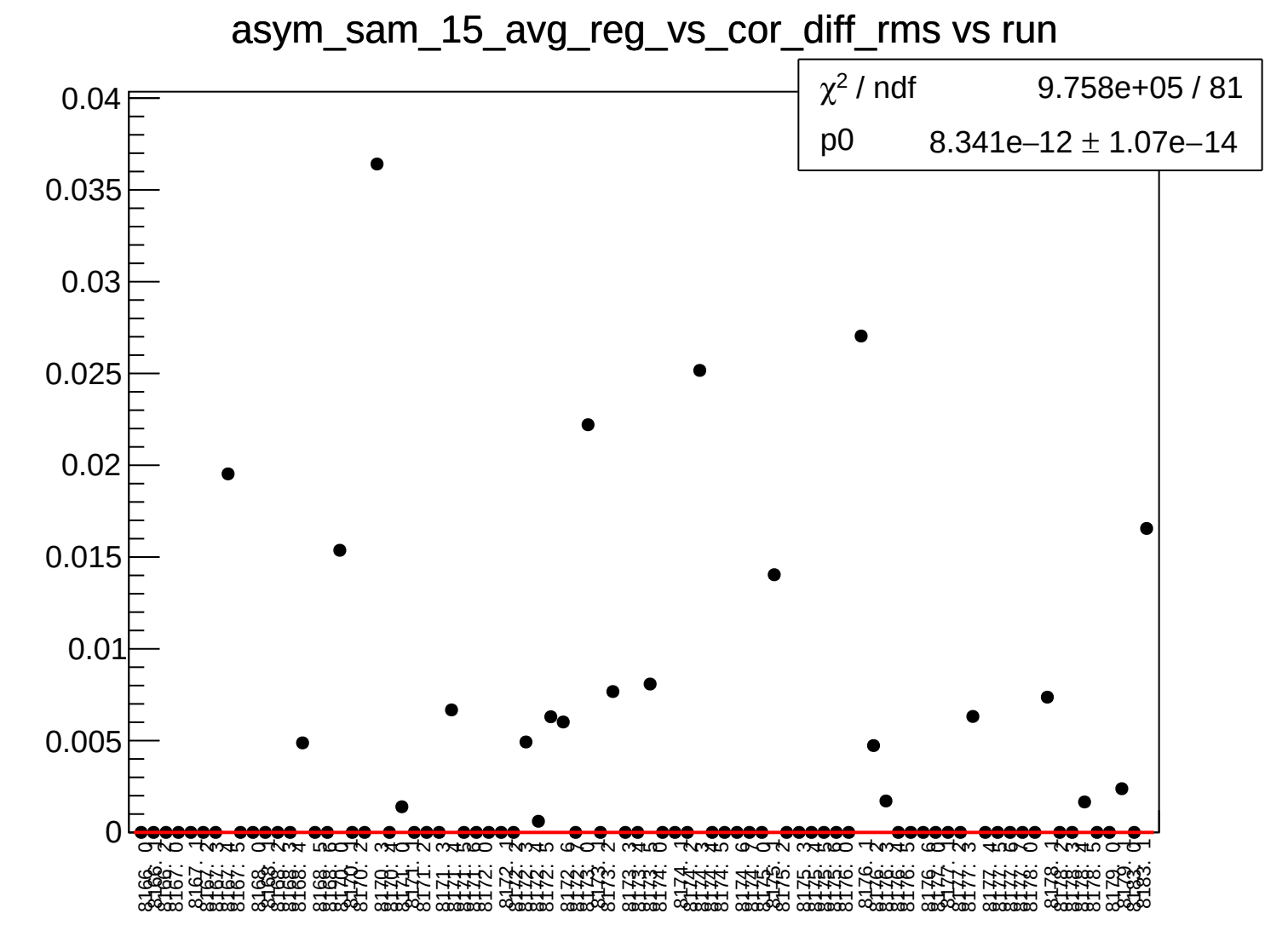

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1.212e+04 / 81
p0 382.5 ± 0.3052
550
500
450
400
350
300

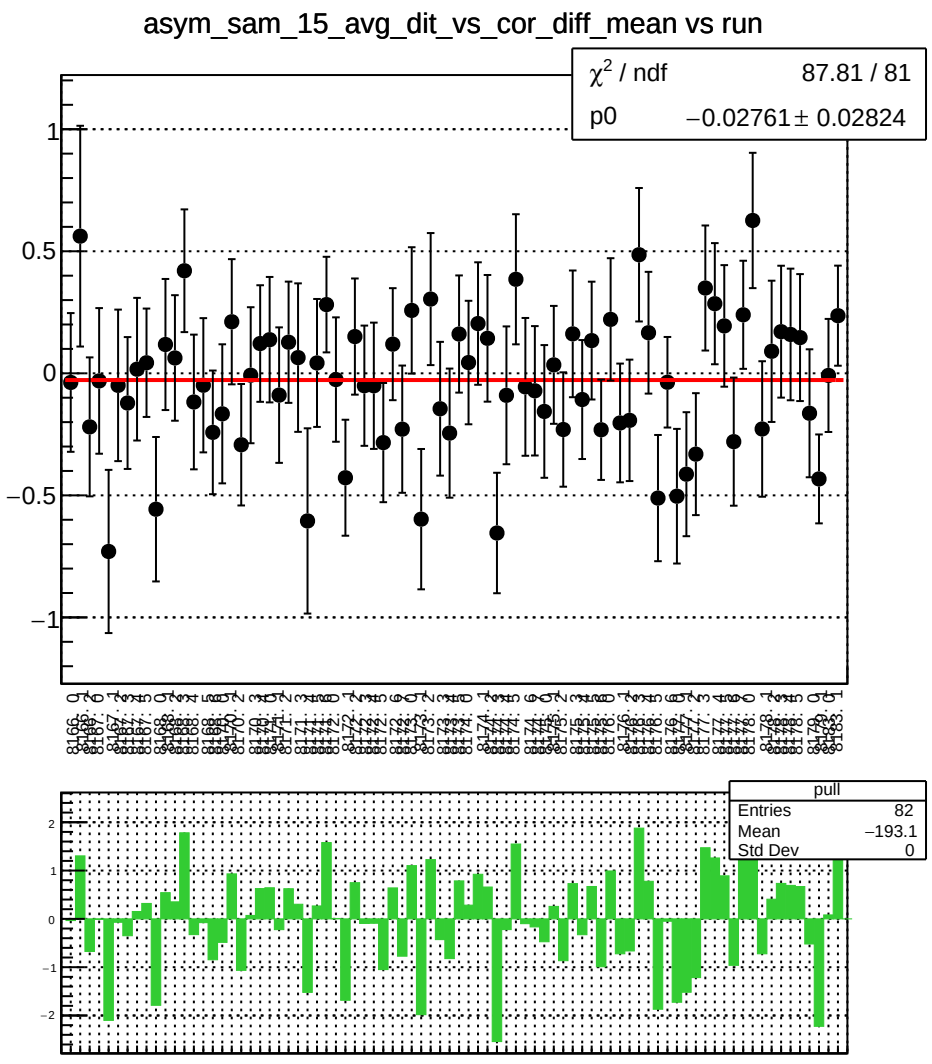

asym_sam_15_avg_mean vs run
χ² / ndf 81.83 / 81
p0 −326.9 ± 424.6
pull
Entries 82
Mean −76.03
Std Dev 0

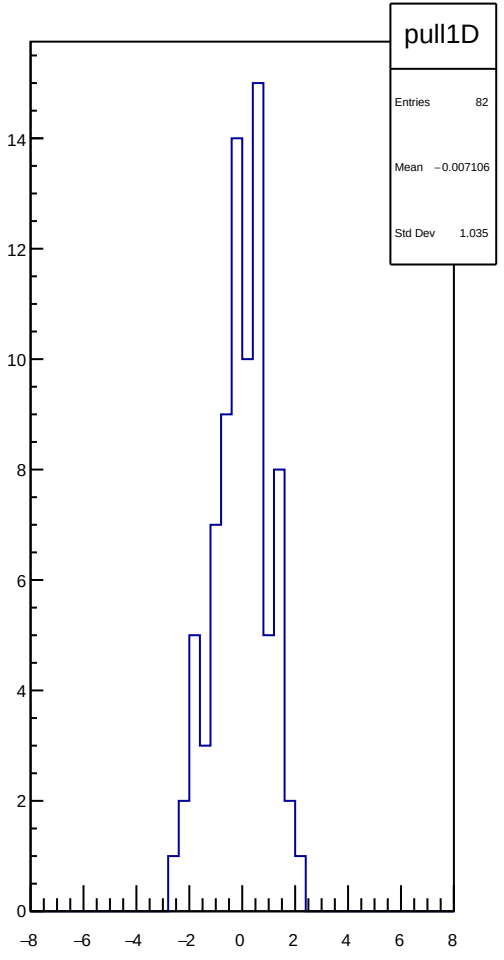

pull1D
Entries 82
Mean 0.01972
Std Dev 0.9988

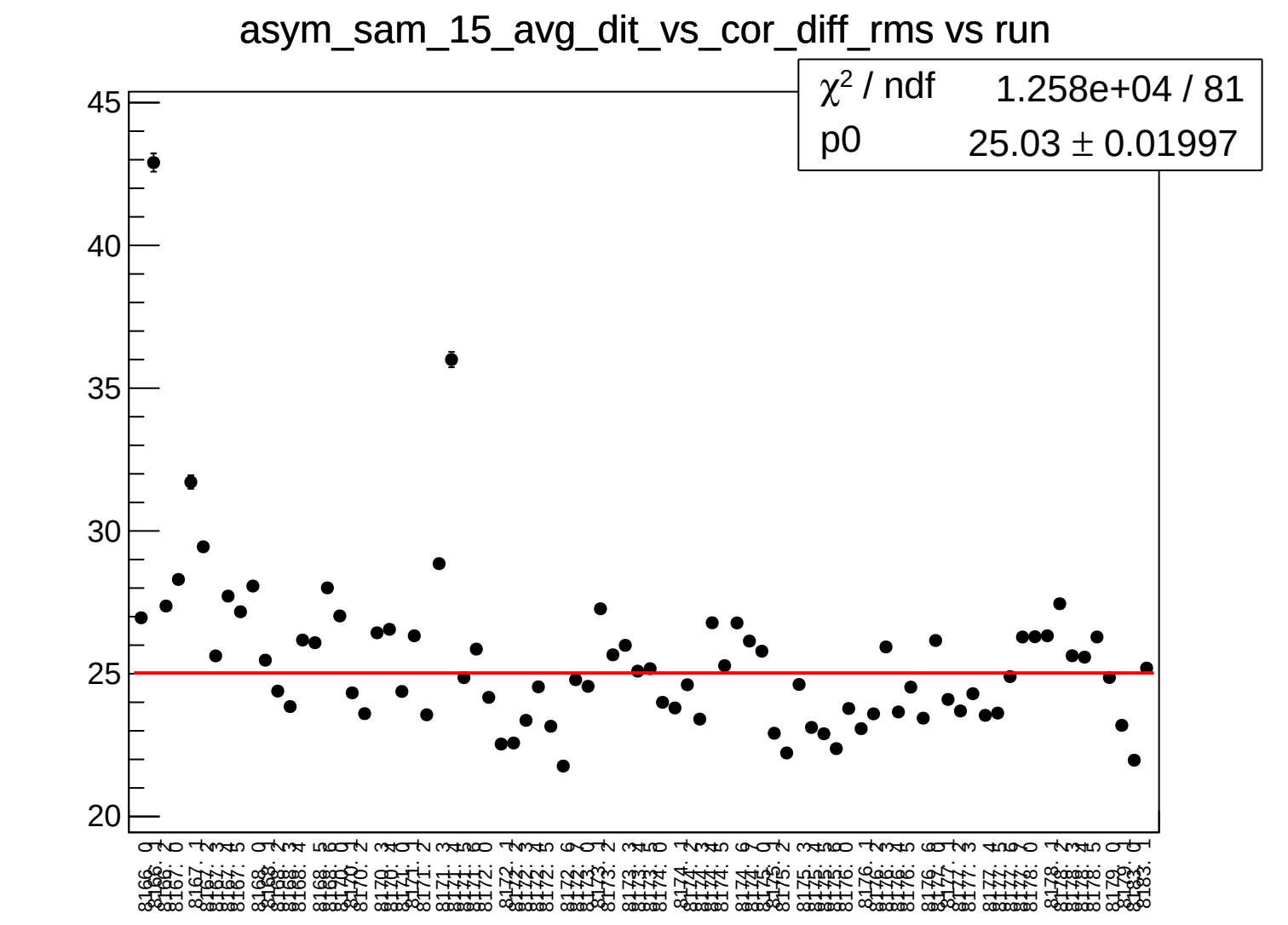

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.396e+04 / 81
p0 376 ± 0.3002
550
500
450
400
350
300

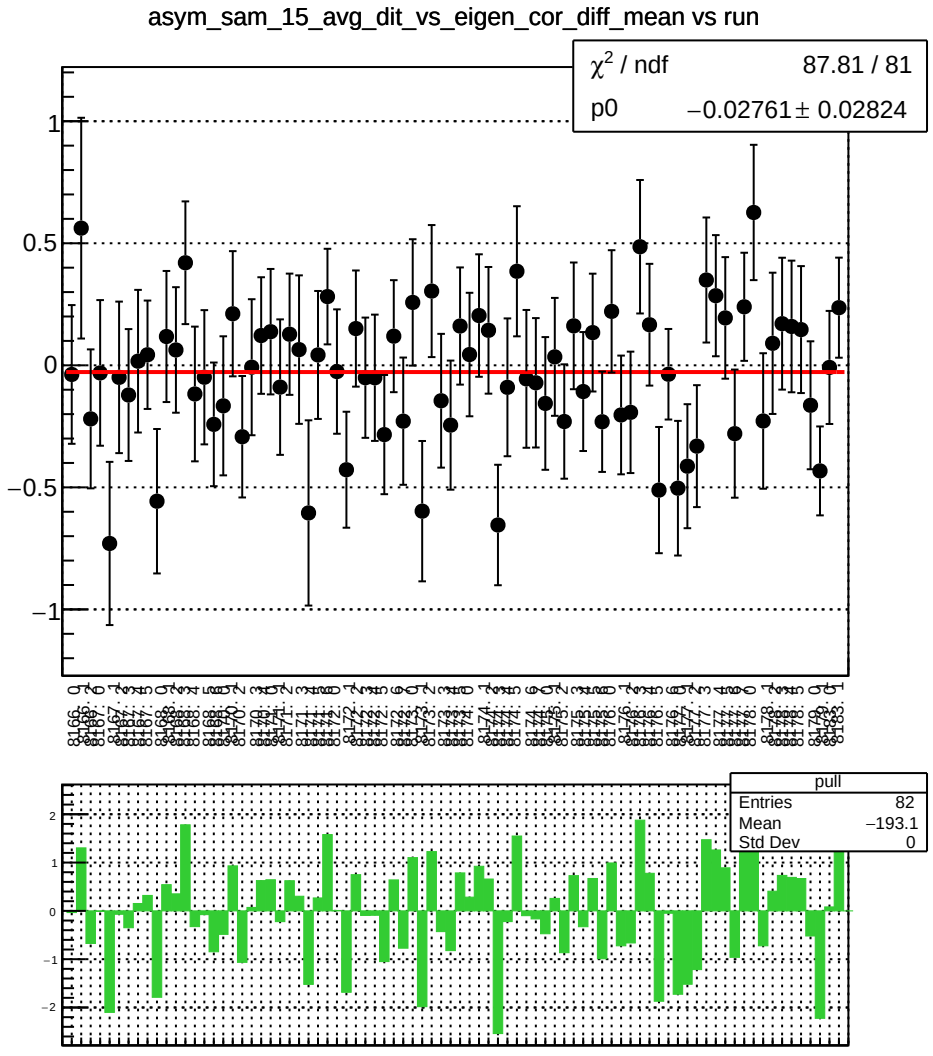

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 91.89 / 81
p0 2.168e−14 ± 1.514e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 82
Mean 73.32
Std Dev 0
pull1D
Entries 82
Mean 0.05287
Std Dev 1.057

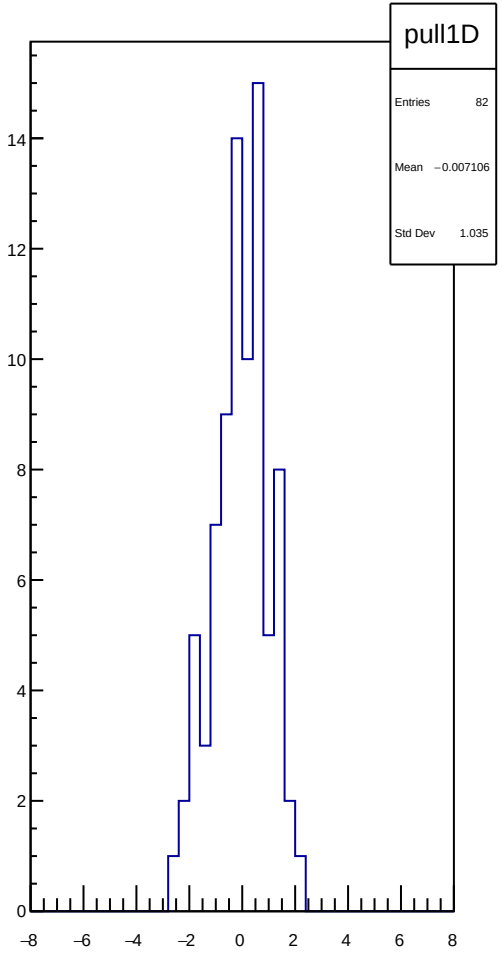

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.758e+05 / 81
p0 8.341e−12 ± 1.07e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

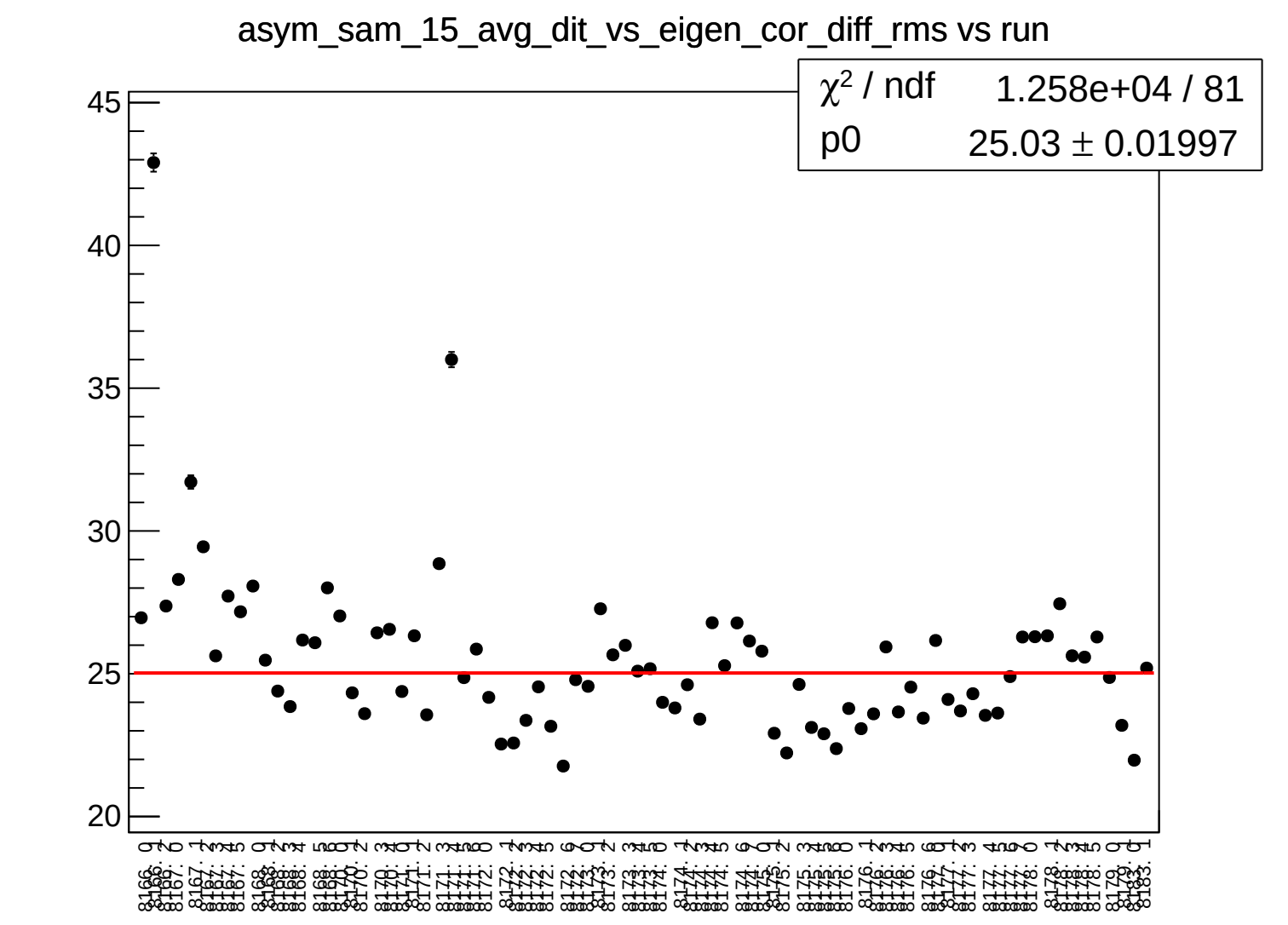

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 87.81 / 81
p0 −0.02761 ± 0.02824
pull
Entries 82
Mean −193.1
Std Dev 0

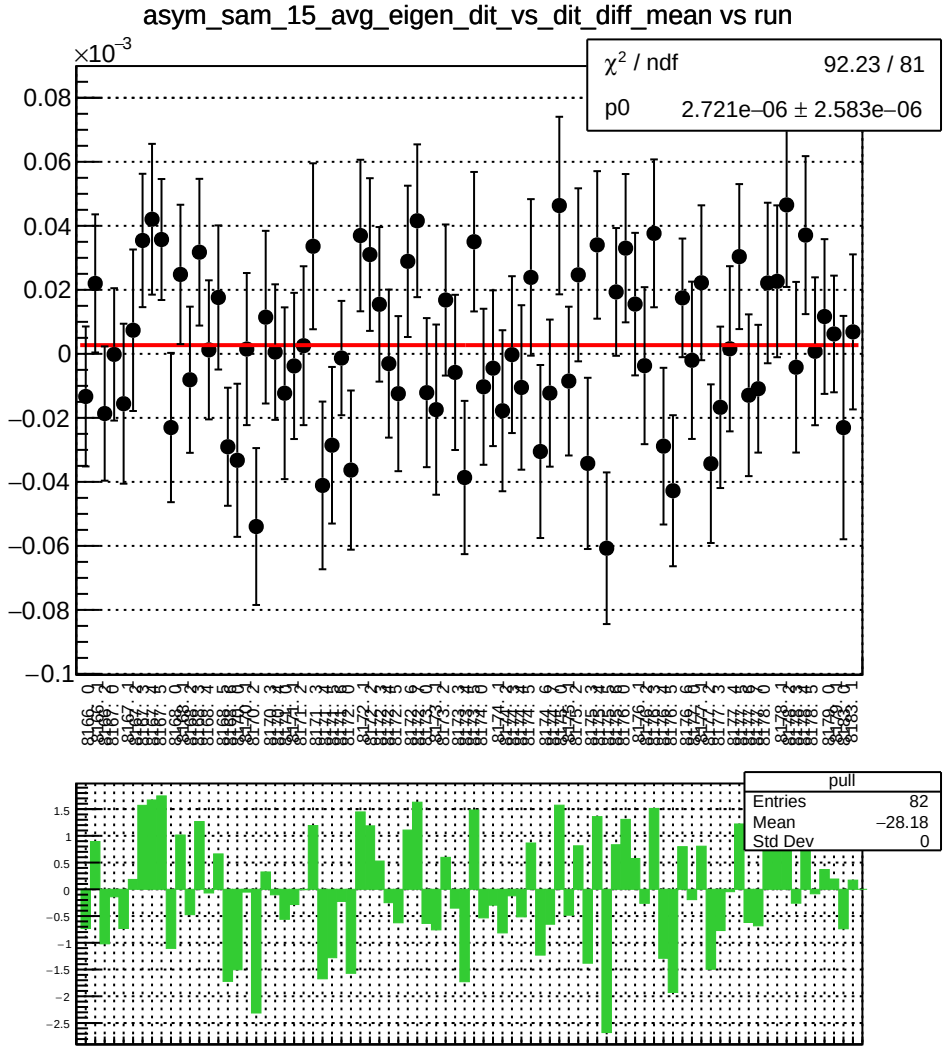

pull1D
Entries 82
Mean −0.007106
Std Dev 1.035

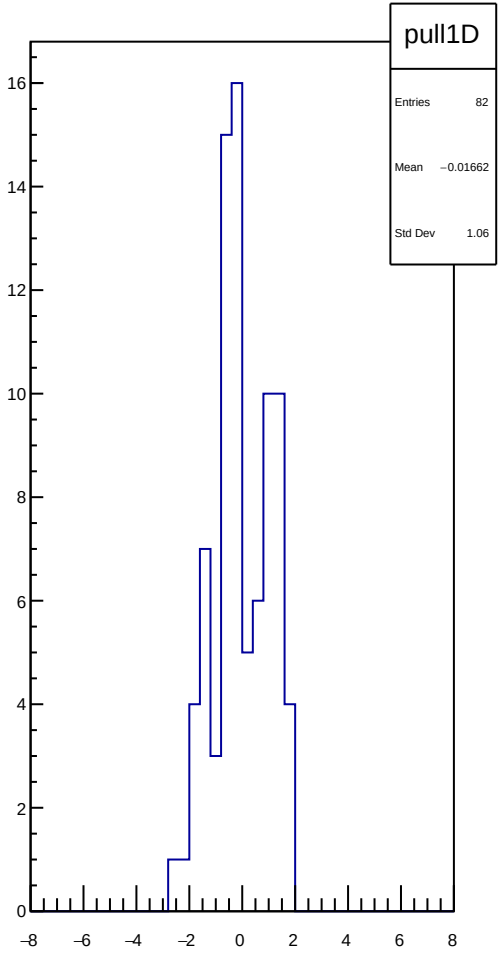

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.258e+04 / 81
p0 25.03 ± 0.01997
45
40
35
30
25
20

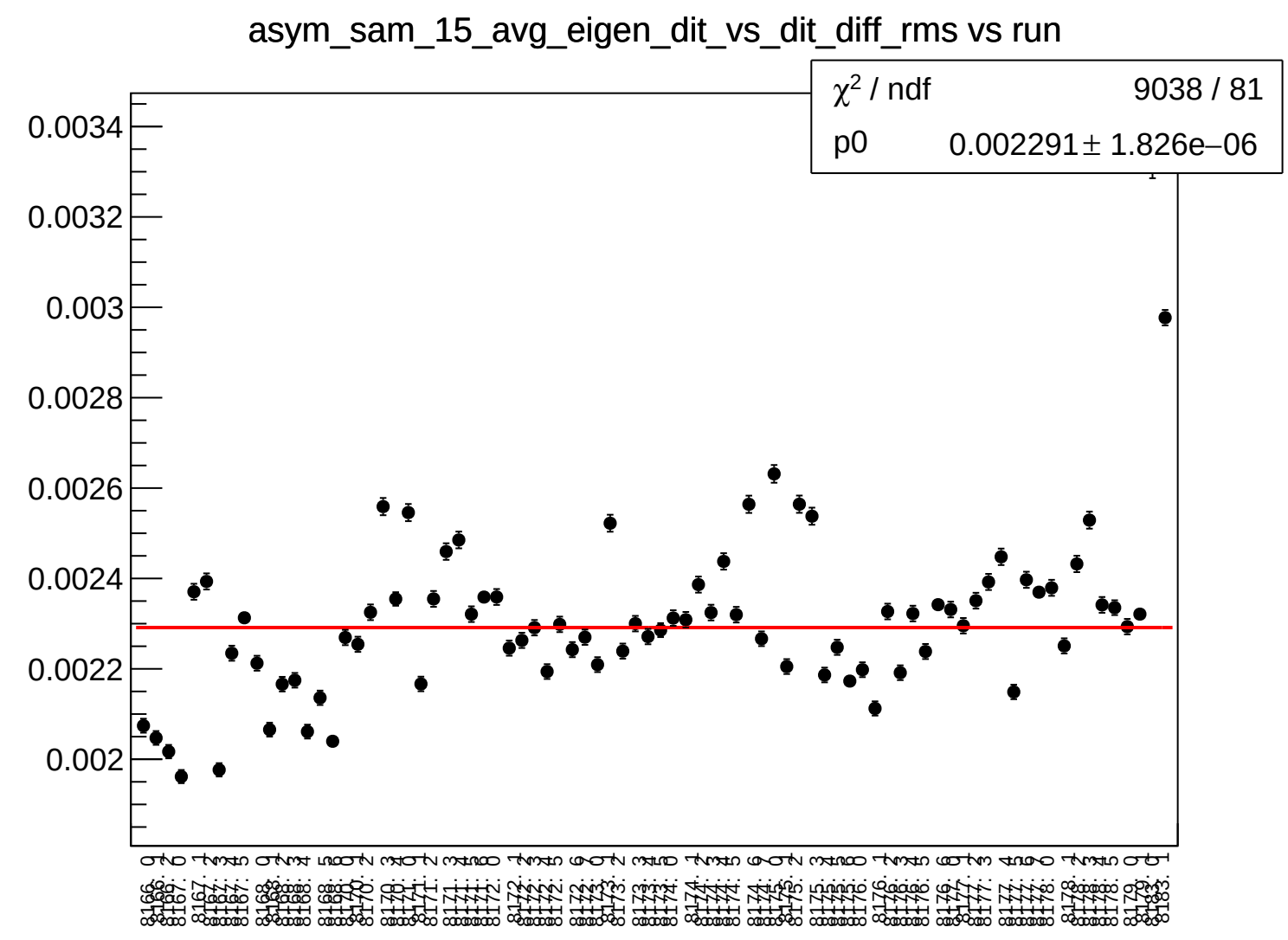

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.81 / 81
p0 −0.02761 ± 0.02824
pull
Entries 82
Mean −193.1
Std Dev 0

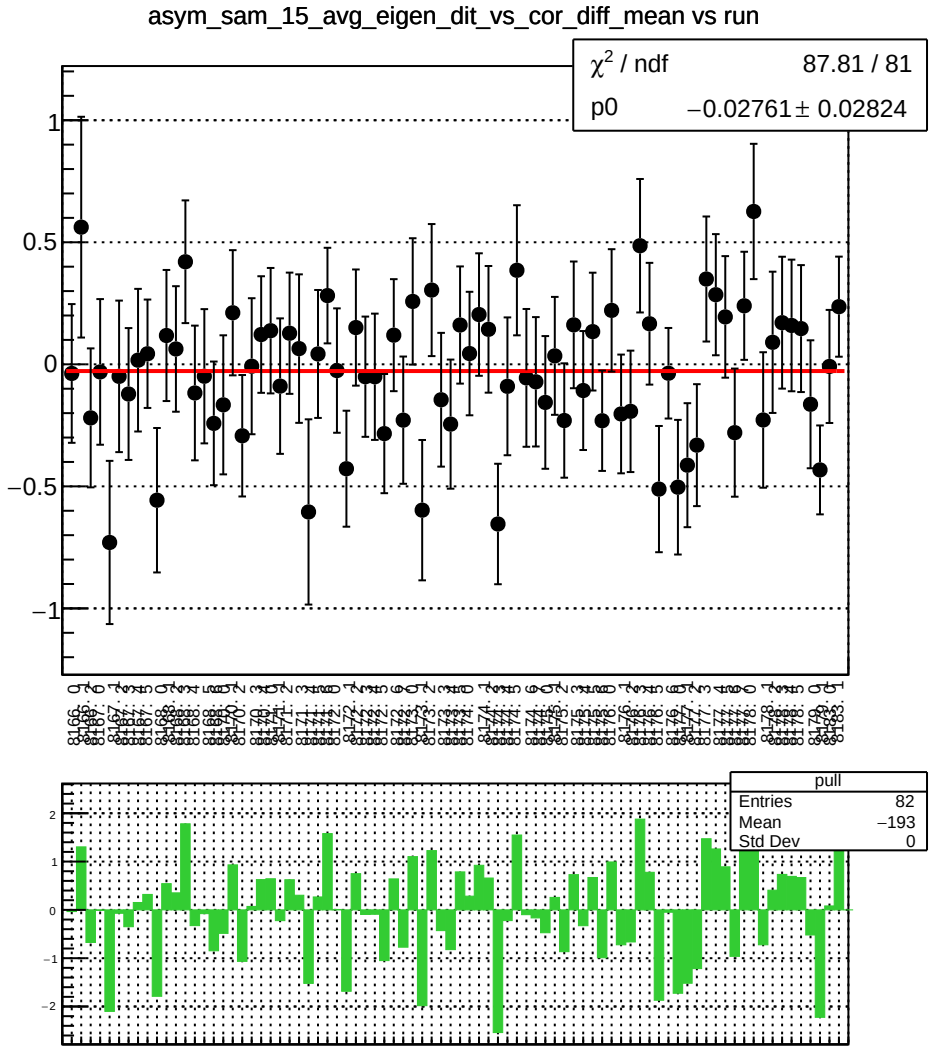

pull1D
Entries 82
Mean −0.007106
Std Dev 1.035

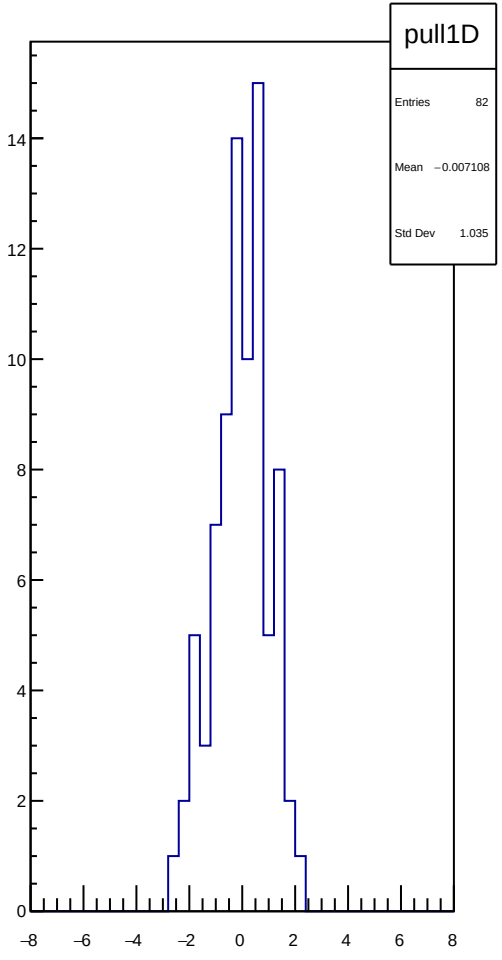

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.258e+04 / 81
p0 25.03 ± 0.01997
45
40
35
30
25
20

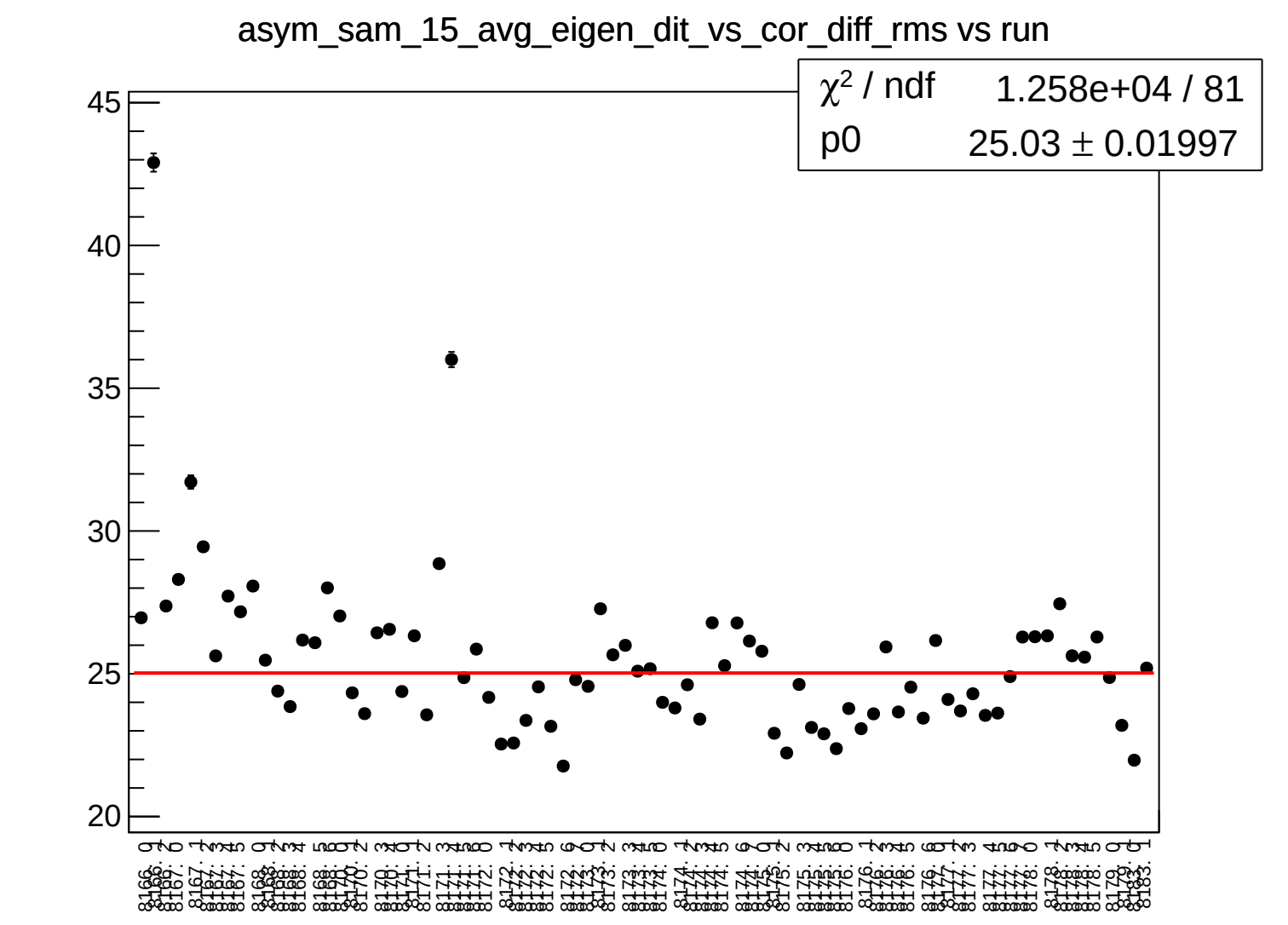

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.23 / 81
p0 2.721e−06 ± 2.583e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 82
Mean −28.18
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

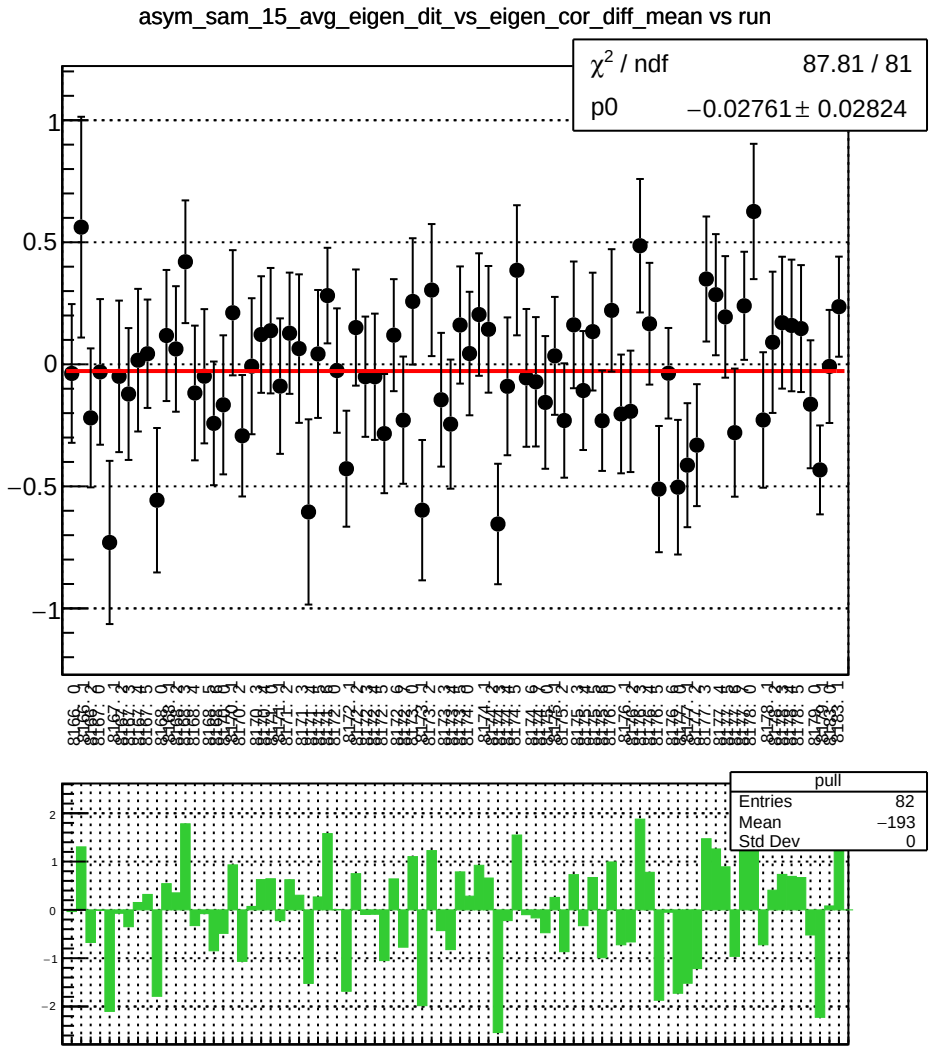

pull1D
Entries 82
Mean −0.01662
Std Dev 1.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

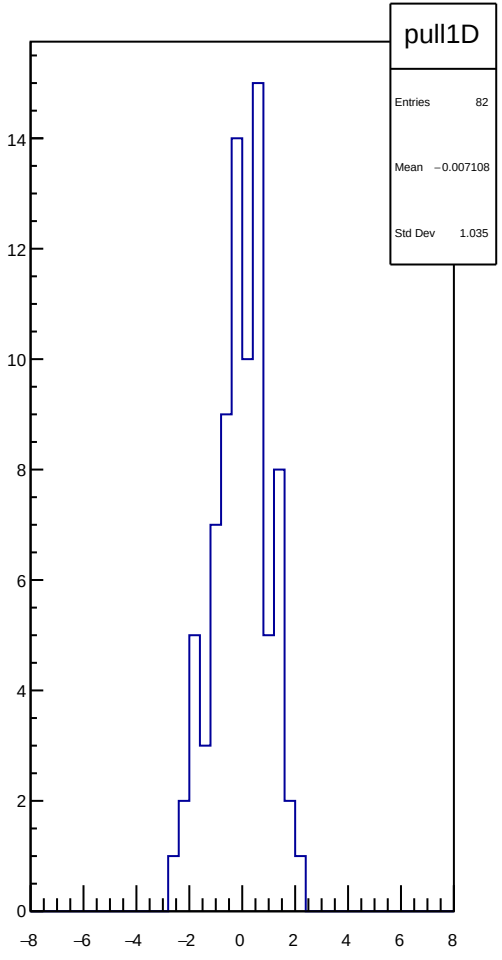

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 9038 / 81
p0 0.002291 ± 1.826e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002

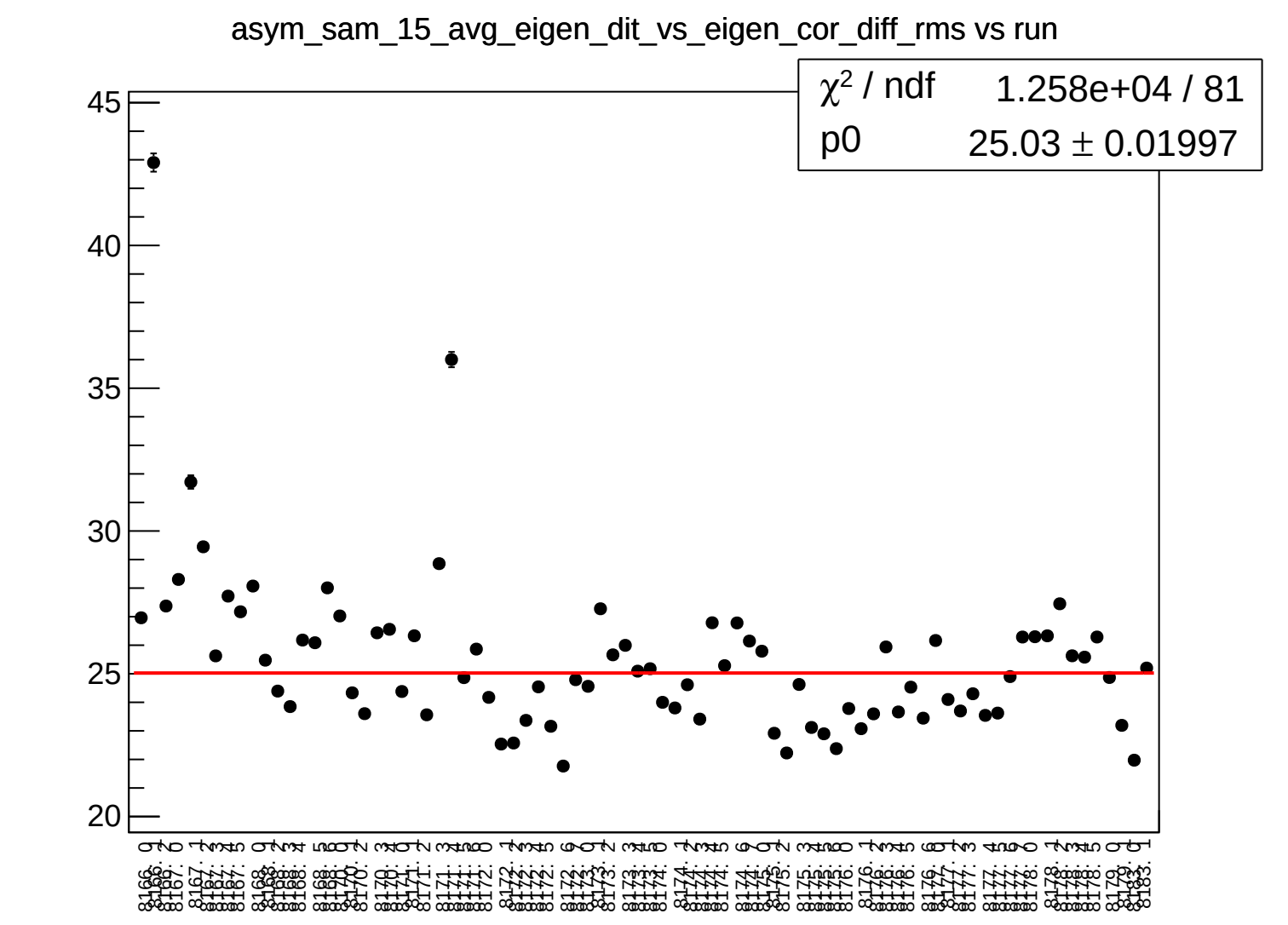

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.81 / 81
p0 −0.02761 ± 0.02824
pull
Entries 82
Mean −193
Std Dev 0

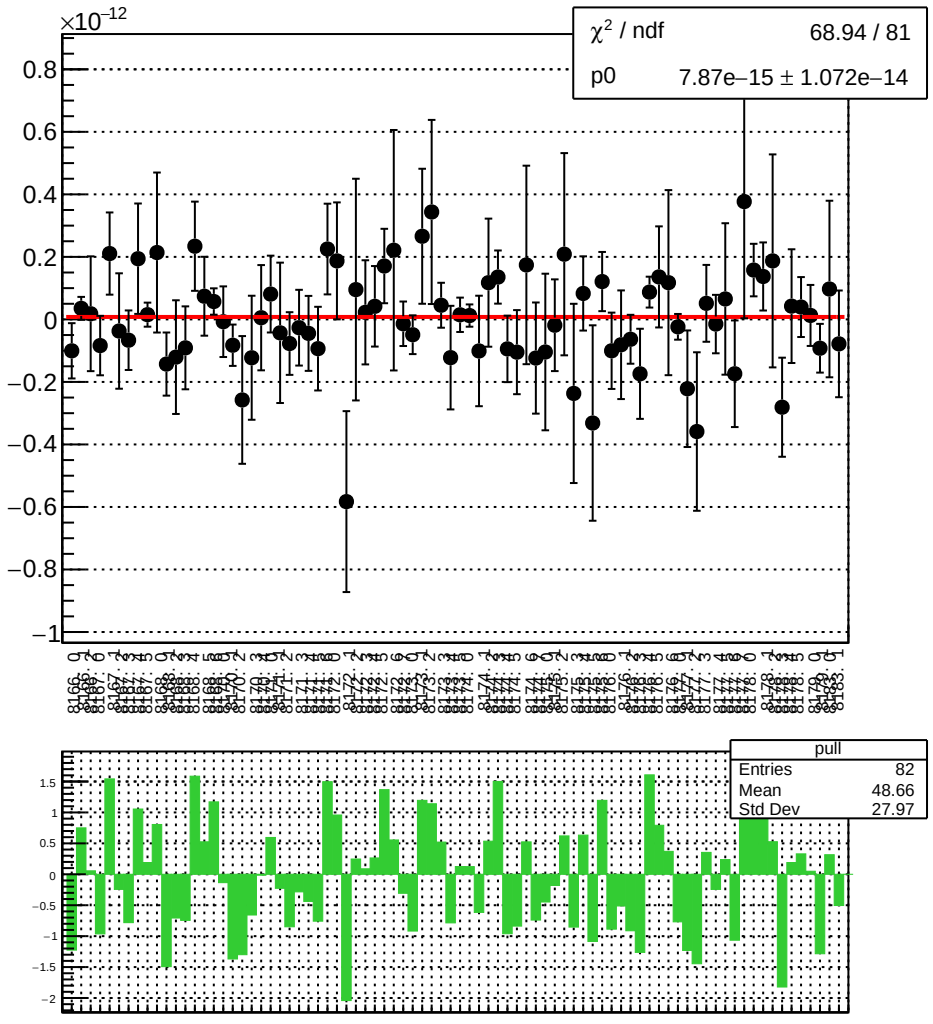

pull1D
Entries 82
Mean −0.007108
Std Dev 1.035

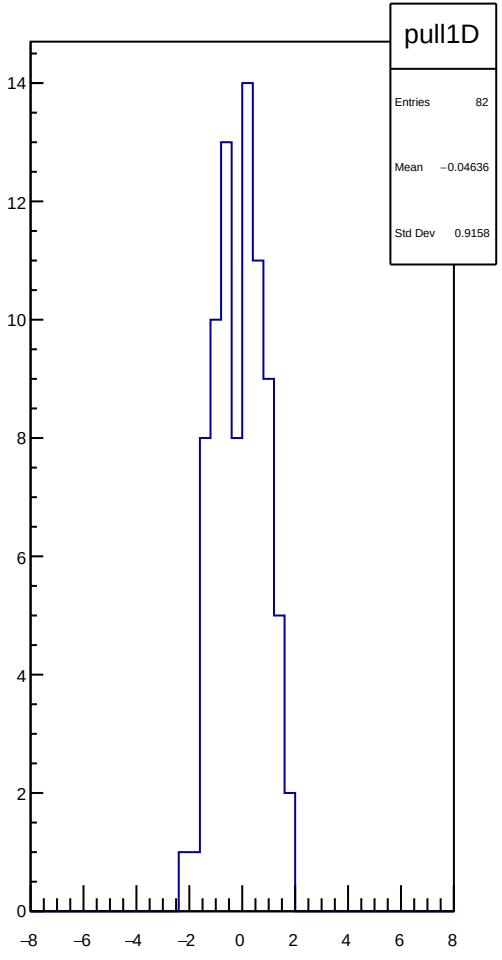

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.258e+04 / 81
p0 25.03 ± 0.01997
45
40
35
30
25
20

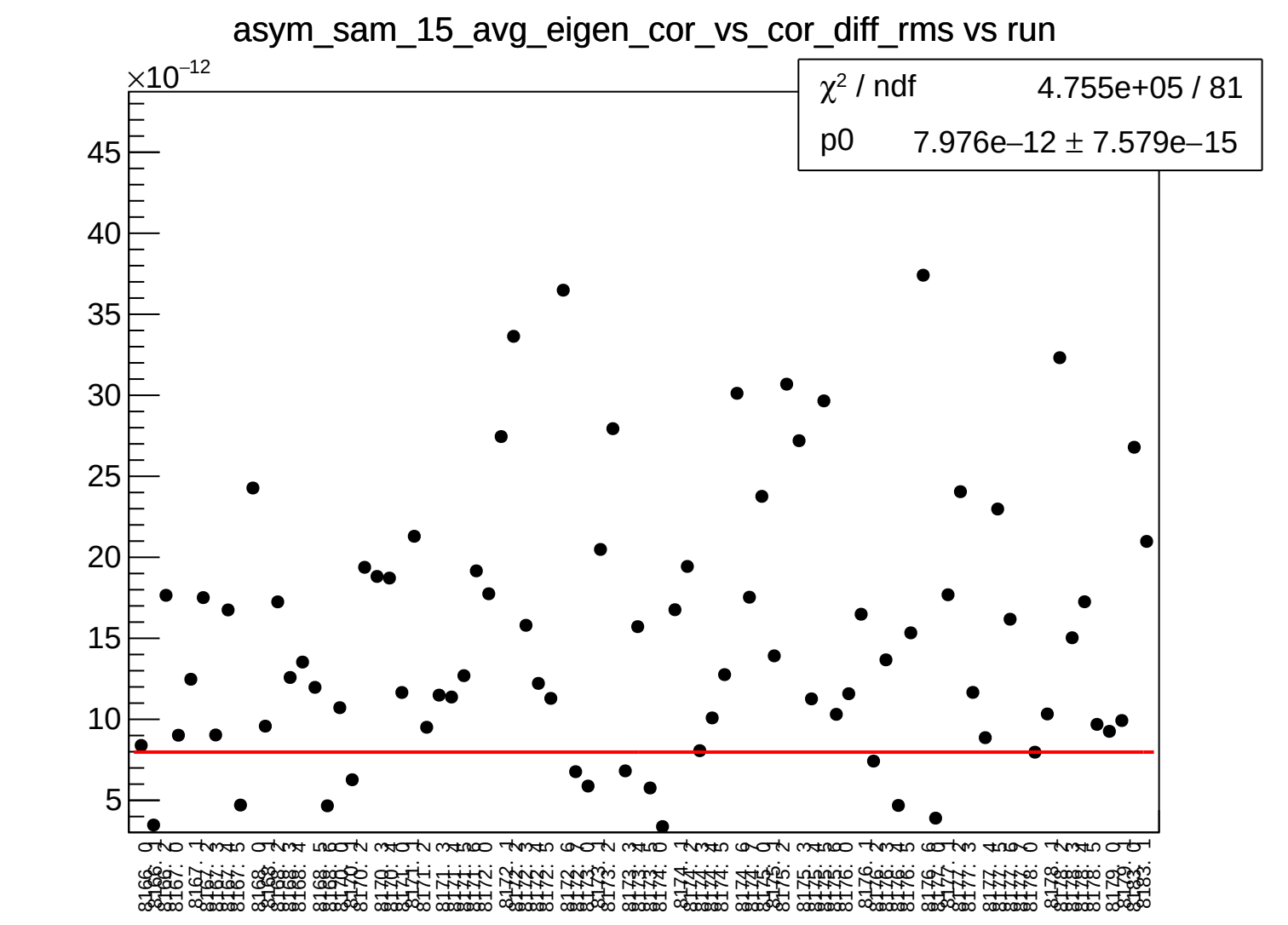

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.81 / 81
p0 −0.02761 ± 0.02824
pull
Entries 82
Mean −193
Std Dev 0

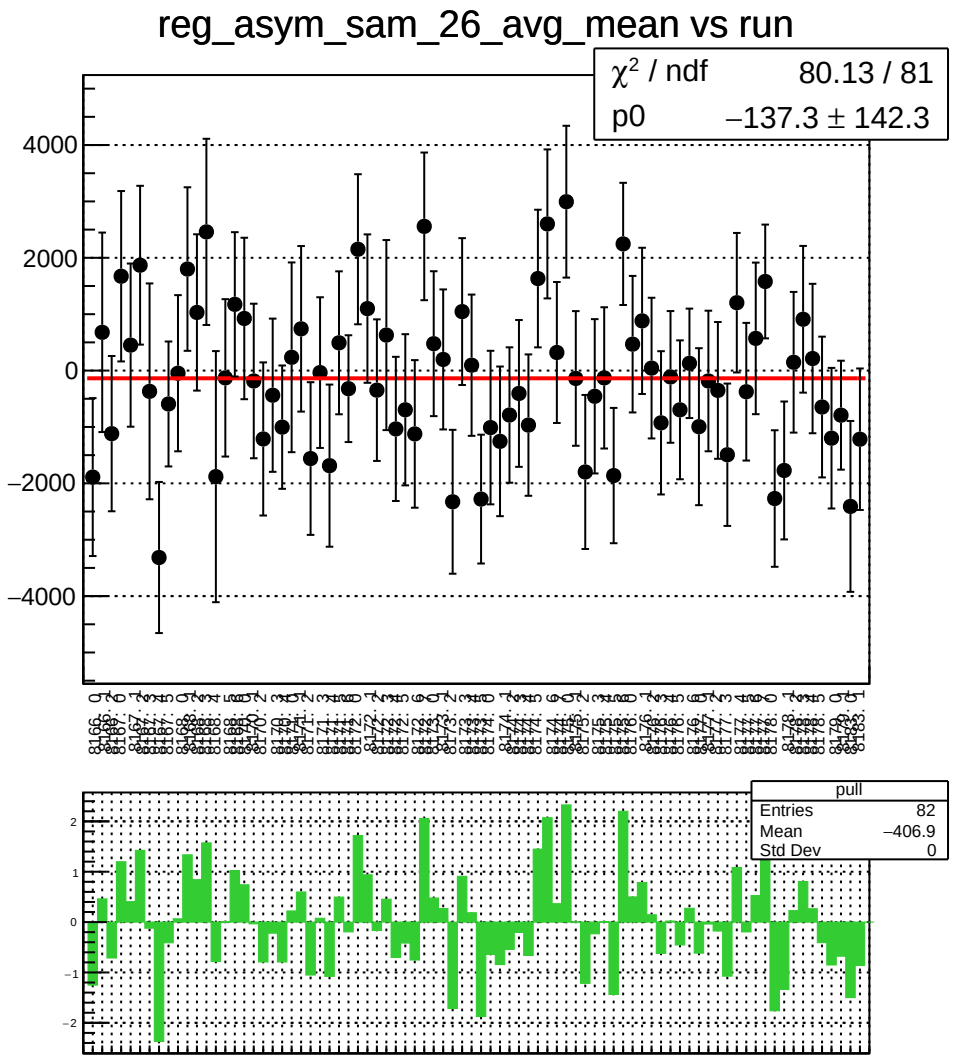

pull1D
Entries 82
Mean −0.007108
Std Dev 1.035

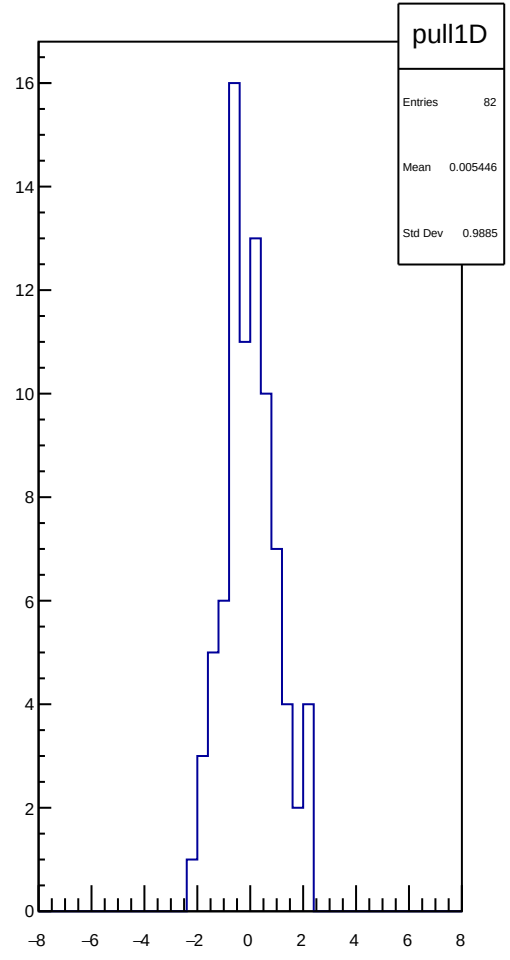

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.258e+04 / 81
p0 25.03 ± 0.01997
45
40
35
30
25
20

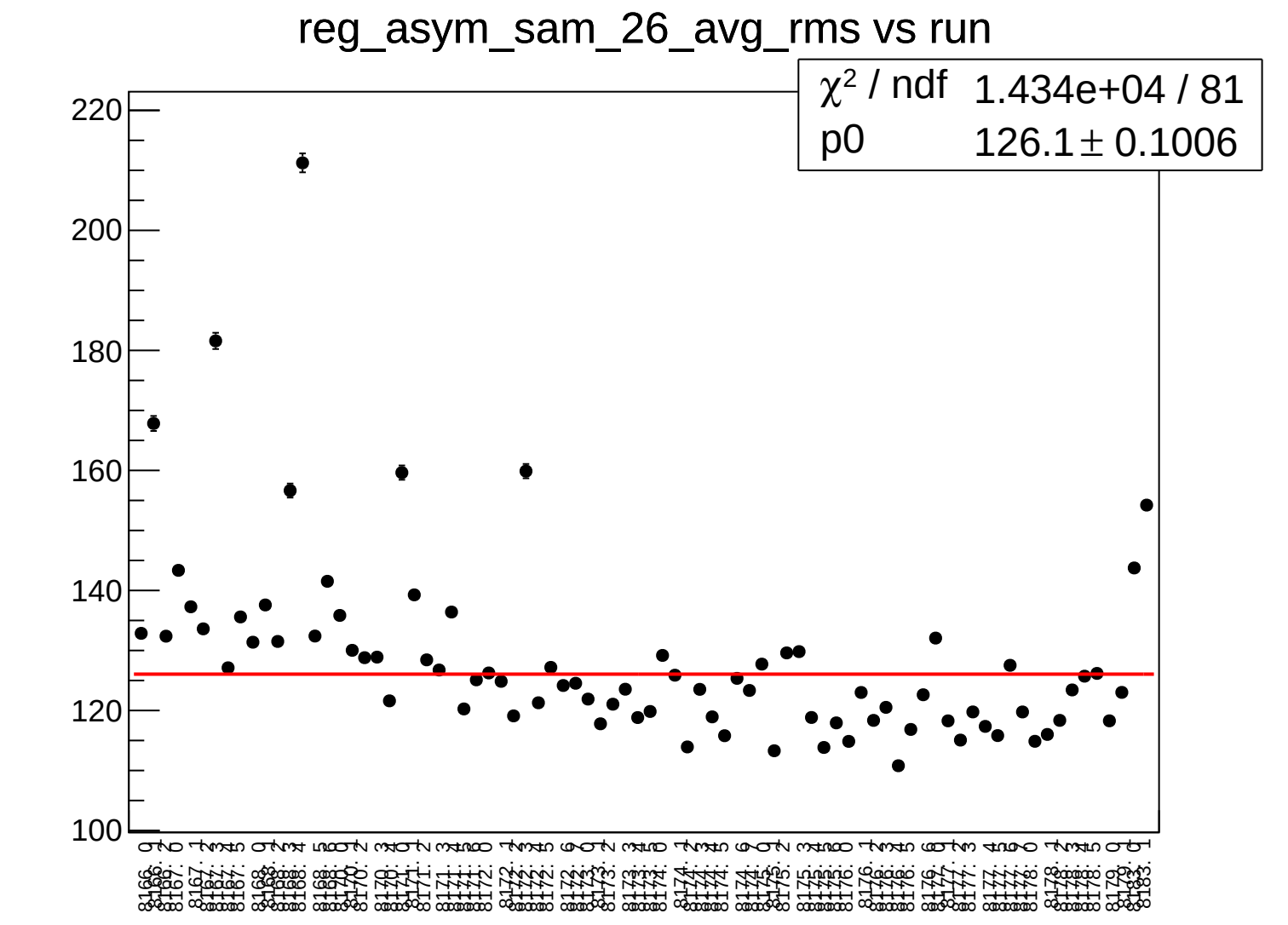

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.94 / 81
p0 7.87e−15 ± 1.072e−14
pull
Entries 82
Mean 48.66
Std Dev 27.97

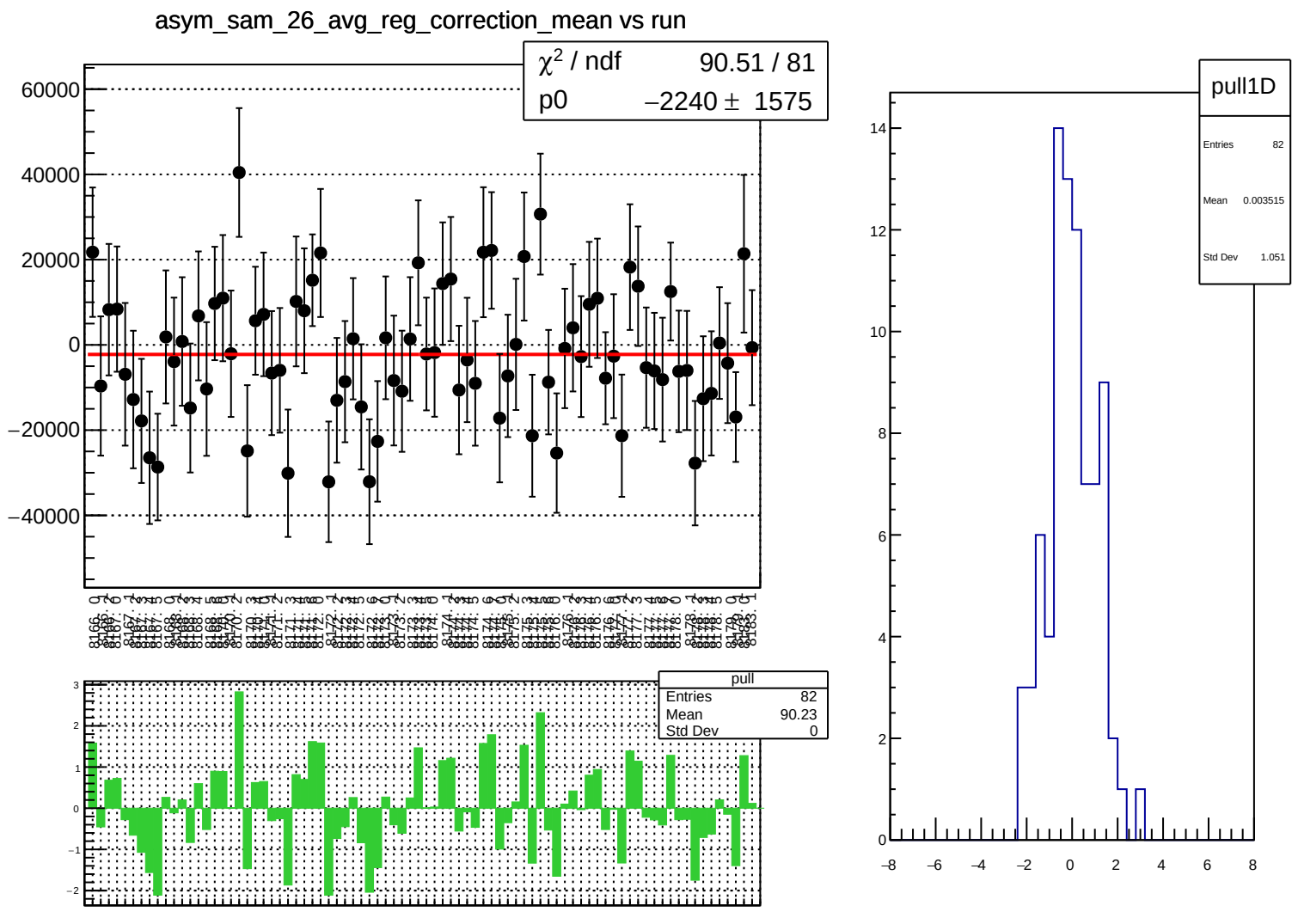

pull1D
Entries 82
Mean −0.04636
Std Dev 0.9158

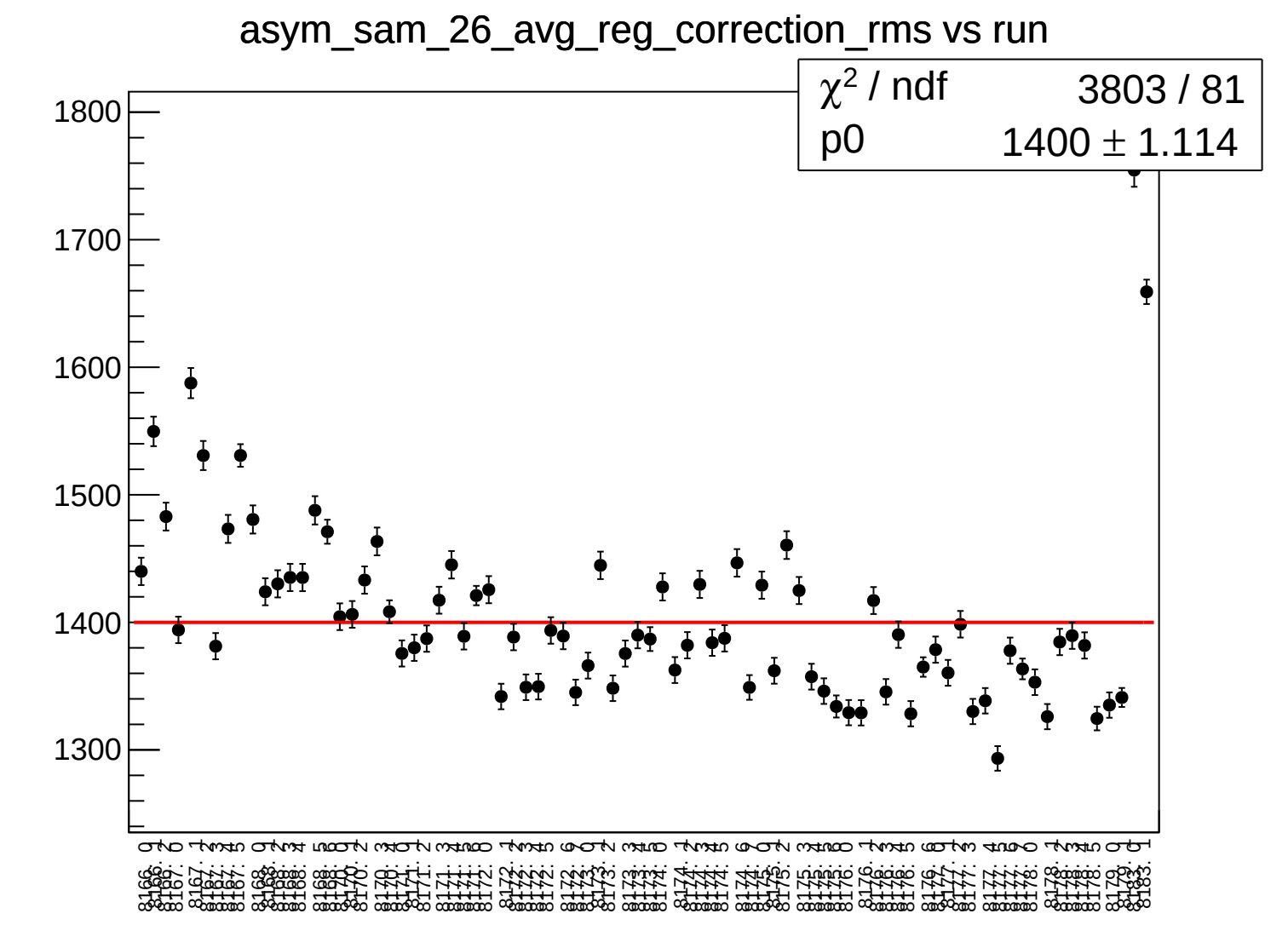

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.755e+05 / 81
p0 7.976e−12 ± 7.579e−15
45
40
35
30
25
20
15
10
5

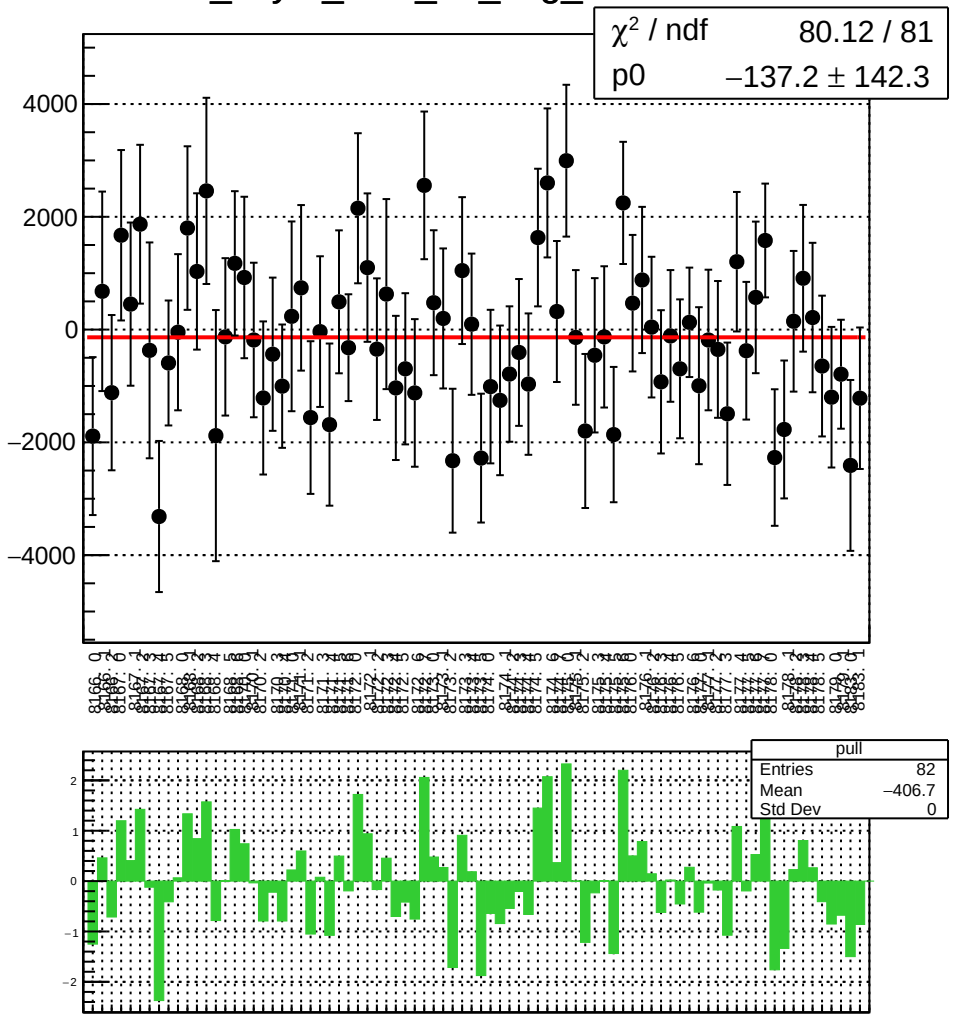

reg_asym_sam_26_avg_mean vs run
χ² / ndf 80.13 / 81
p0 −137.3 ± 142.3
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −406.9
Std Dev 0
2
1
0
−1
−2

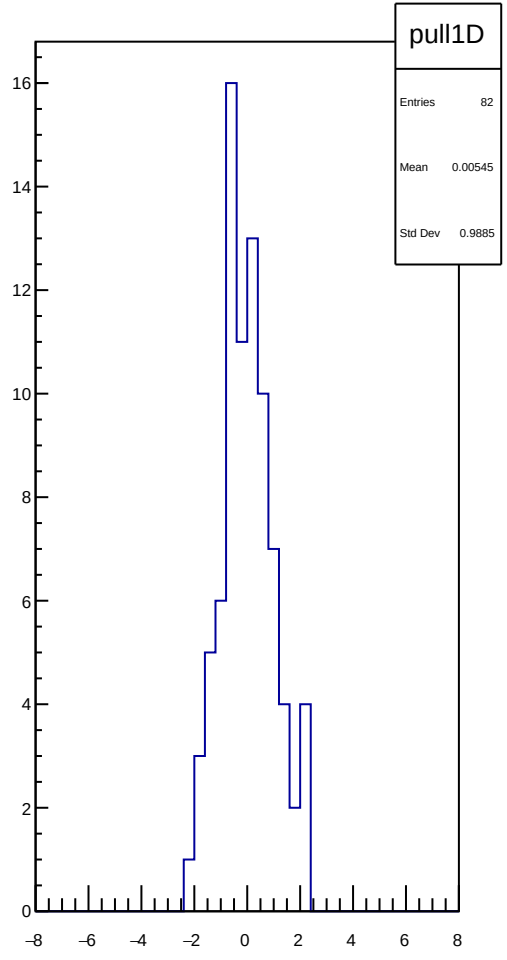

pull1D
Entries 82
Mean 0.005446
Std Dev 0.9885
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

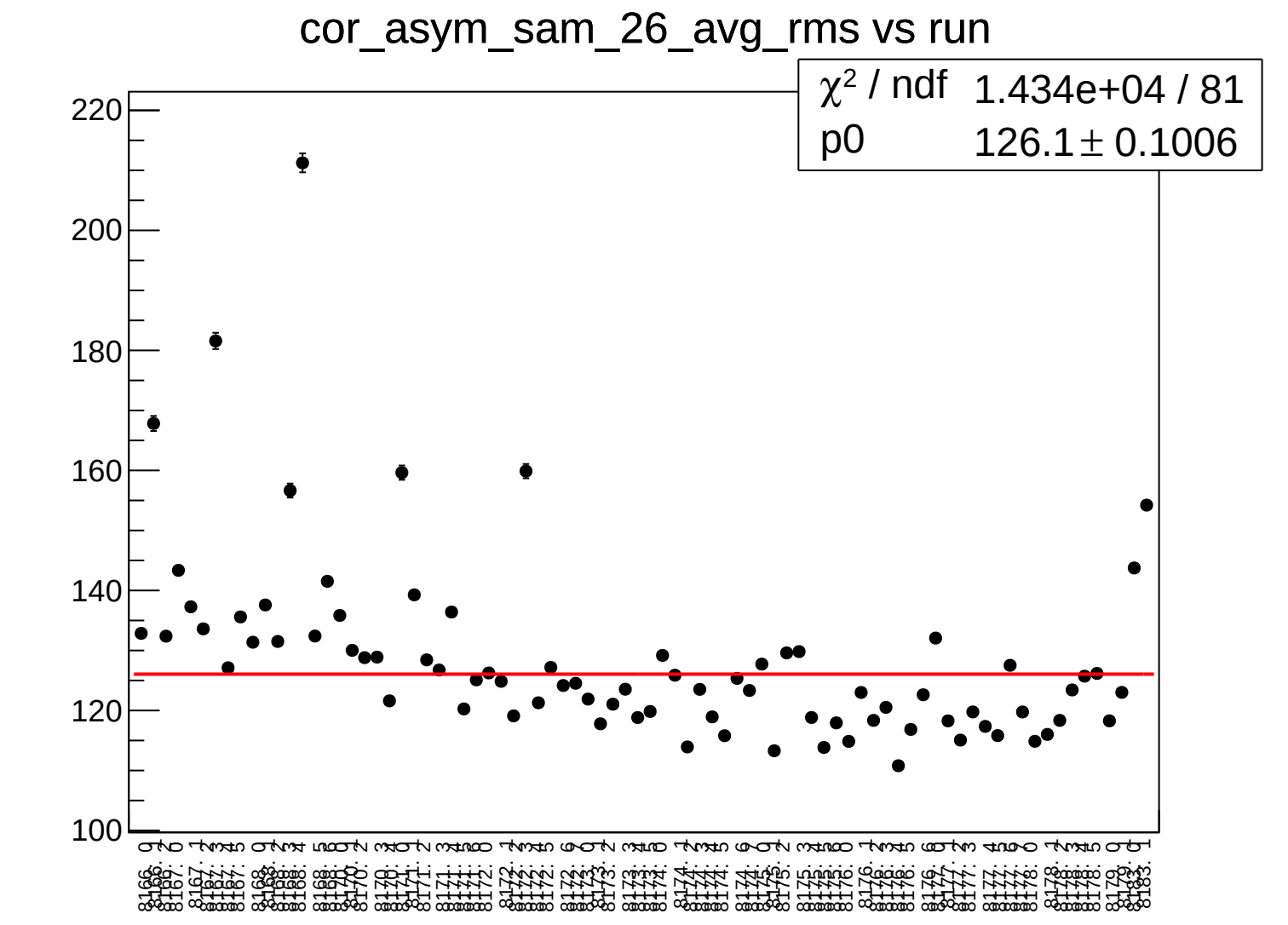

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.434e+04 / 81
p0 126.1 ± 0.1006
220
200
180
160
140
120
100

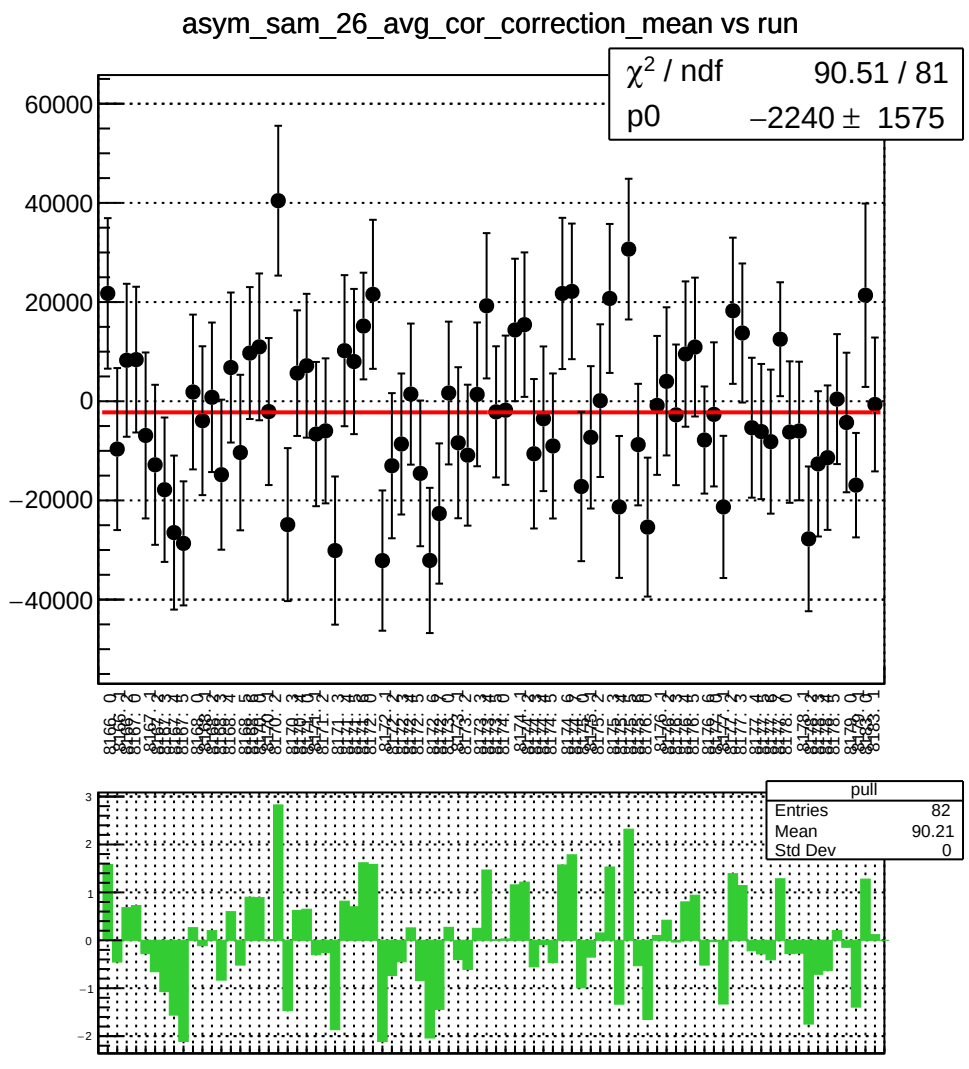

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 90.51 / 81
p0 −2240 ± 1575
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 90.23
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003515
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

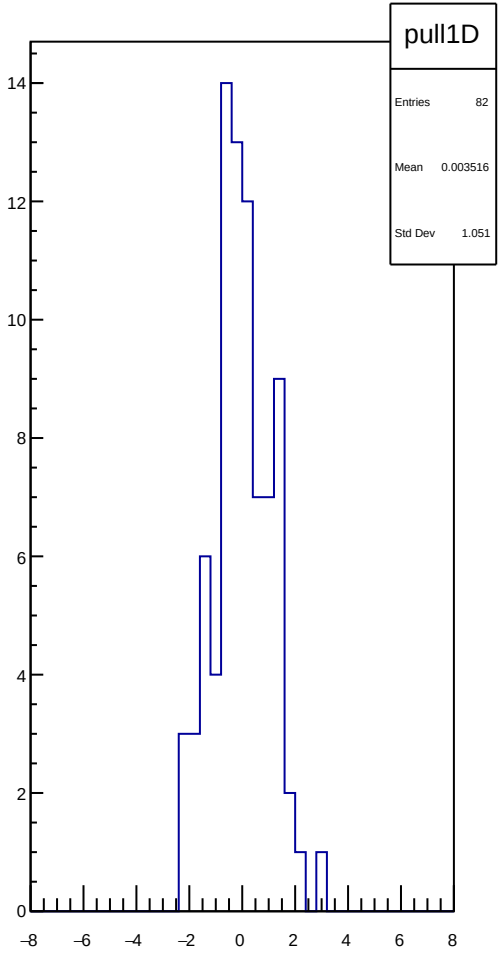

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 3803 / 81
p0 1400 ± 1.114
1800
1700
1600
1500
1400
1300

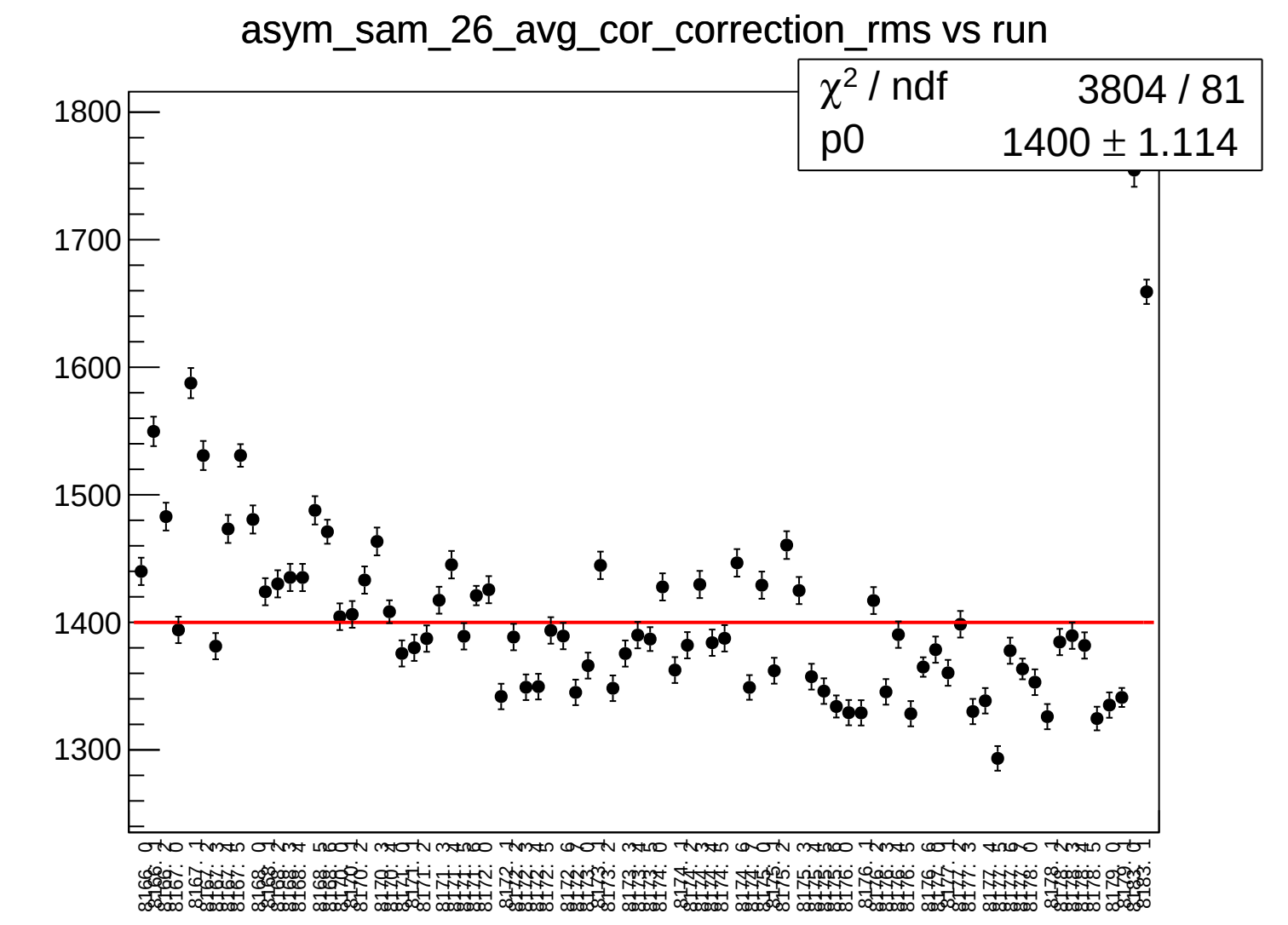

cor_asym_sam_26_avg_mean vs run
χ² / ndf 80.12 / 81
p0 −137.2 ± 142.3
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −406.7
Std Dev 0
2
1
0
−1
−2

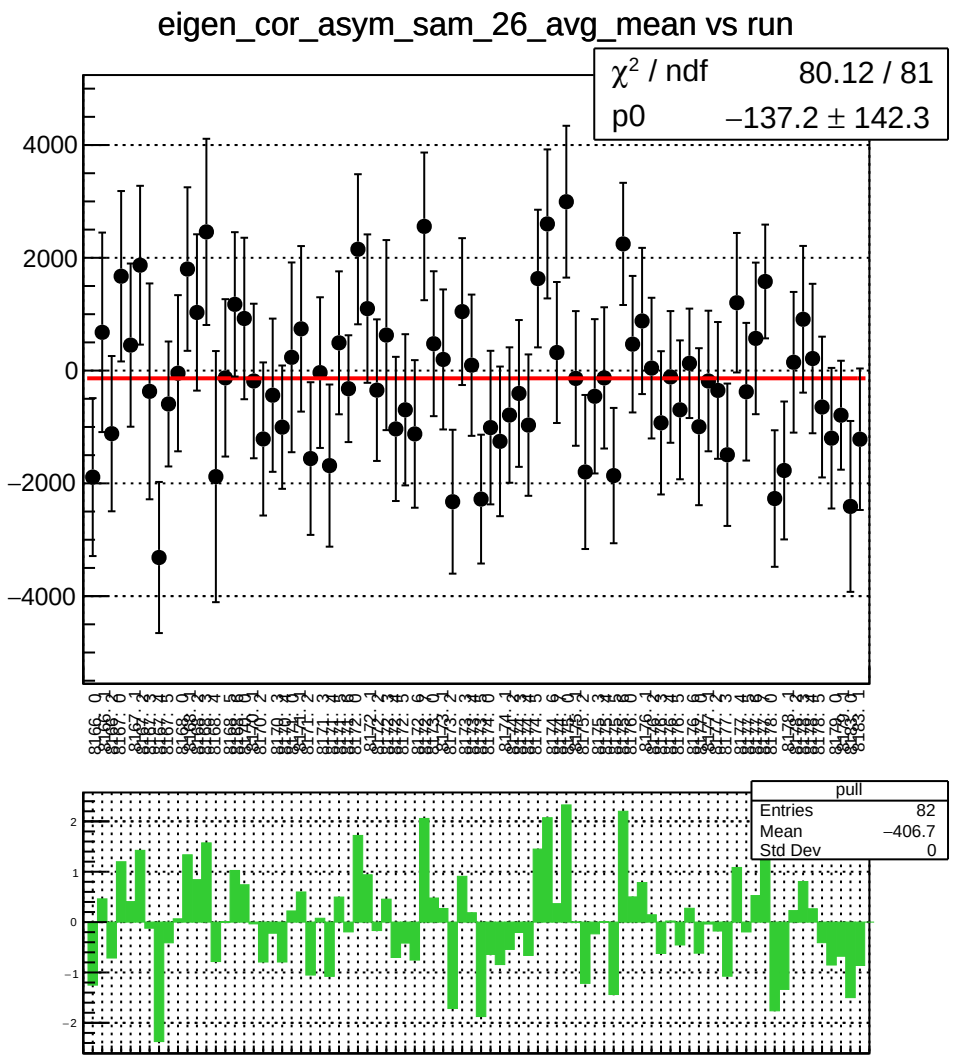

pull1D
Entries 82
Mean 0.00545
Std Dev 0.9885
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

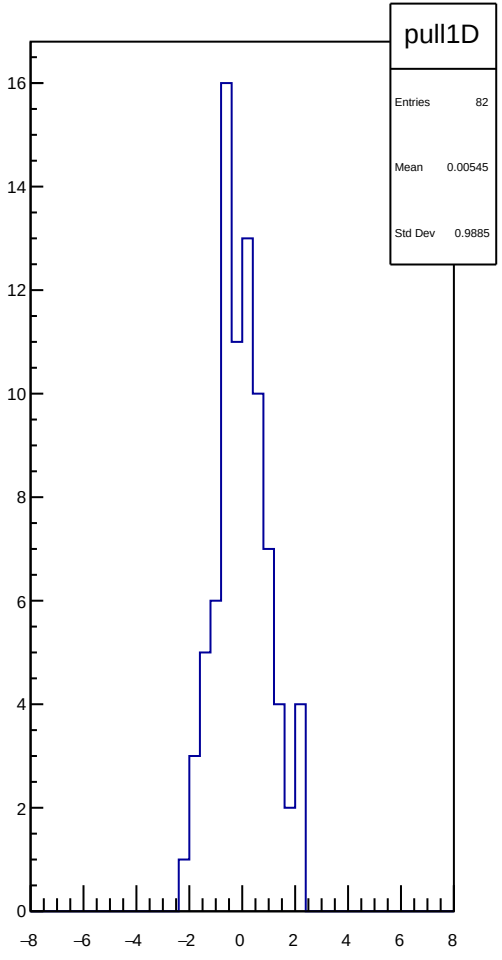

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.434e+04 / 81
p0 126.1 ± 0.1006
220
200
180
160
140
120
100


asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 90.51 / 81
p0 −2240 ± 1575
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 90.21
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 82
Mean 0.003516
Std Dev 1.051
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 3804 / 81
p0 1400 ± 1.114
1800
1700
1600
1500
1400
1300


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 80.12 / 81
p0 −137.2 ± 142.3
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −406.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 82
Mean 0.00545
Std Dev 0.9885
16
14
12
10
8
6
4
2
0
−8
−6
−4
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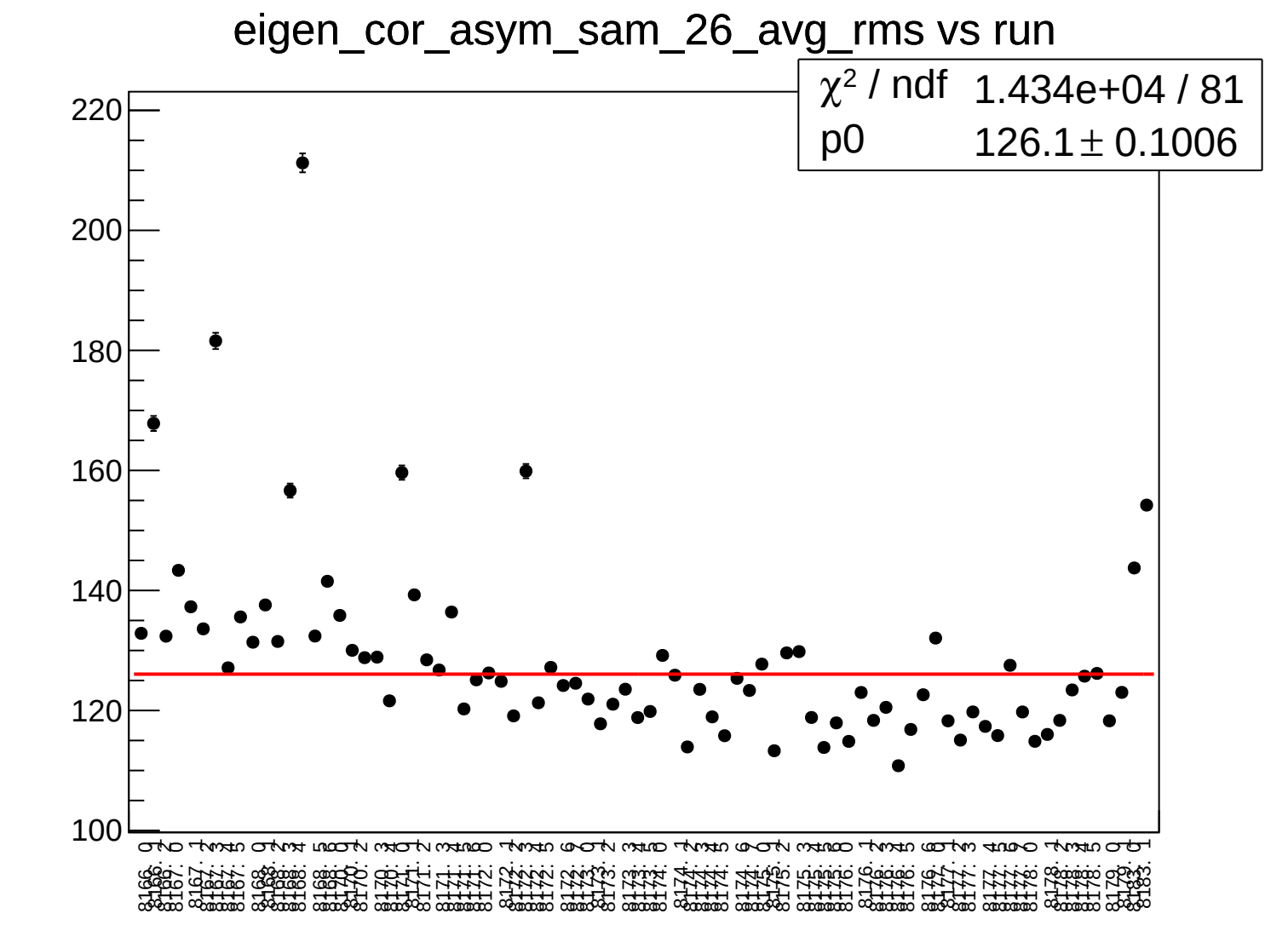
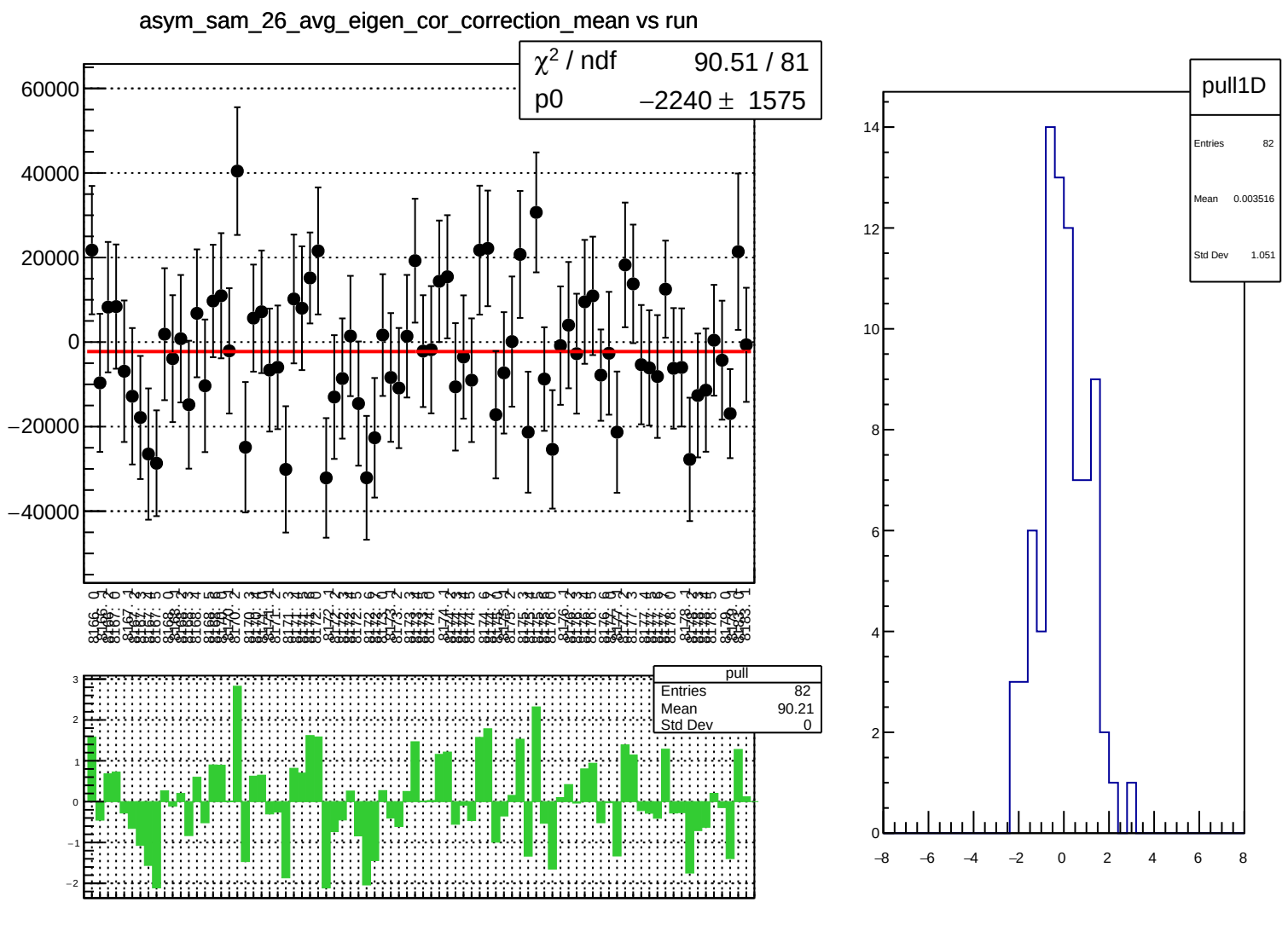
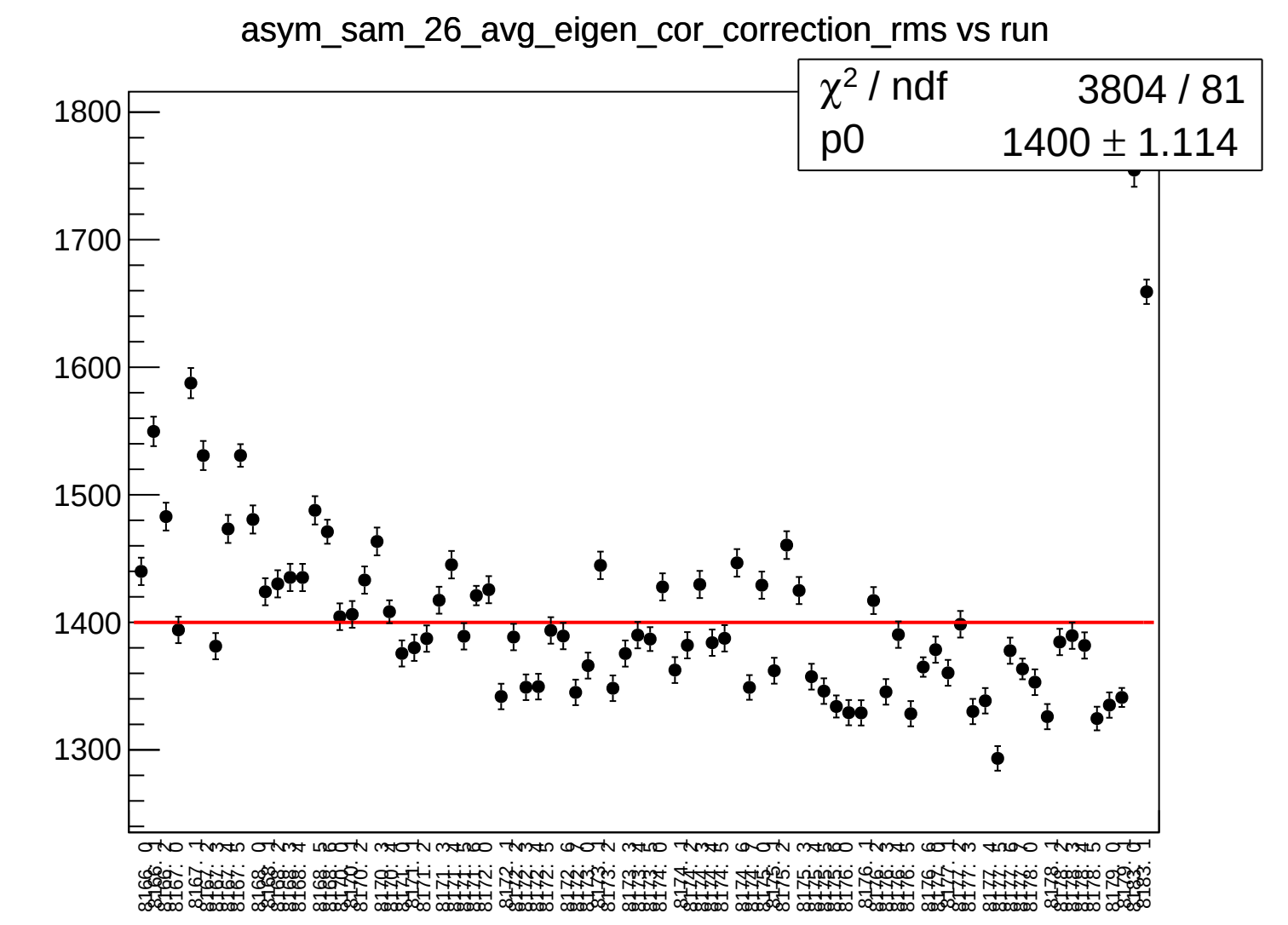
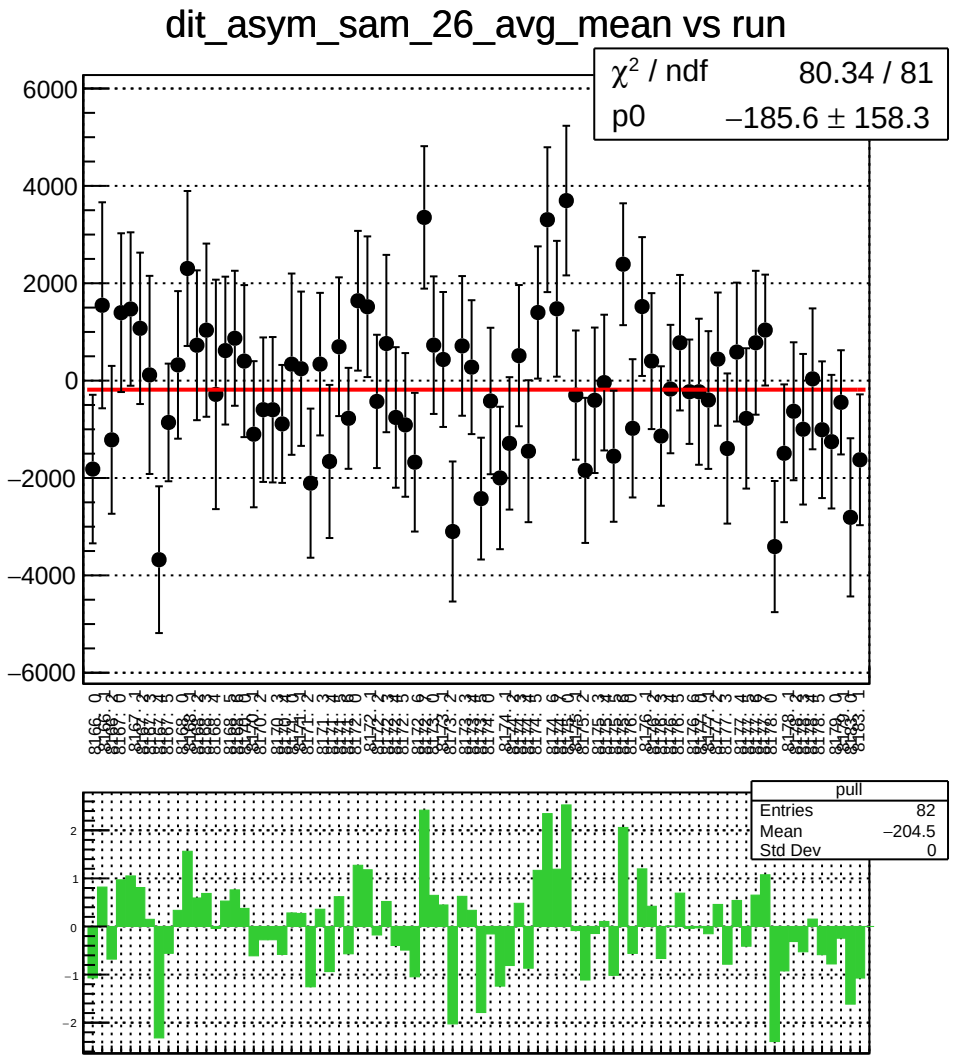
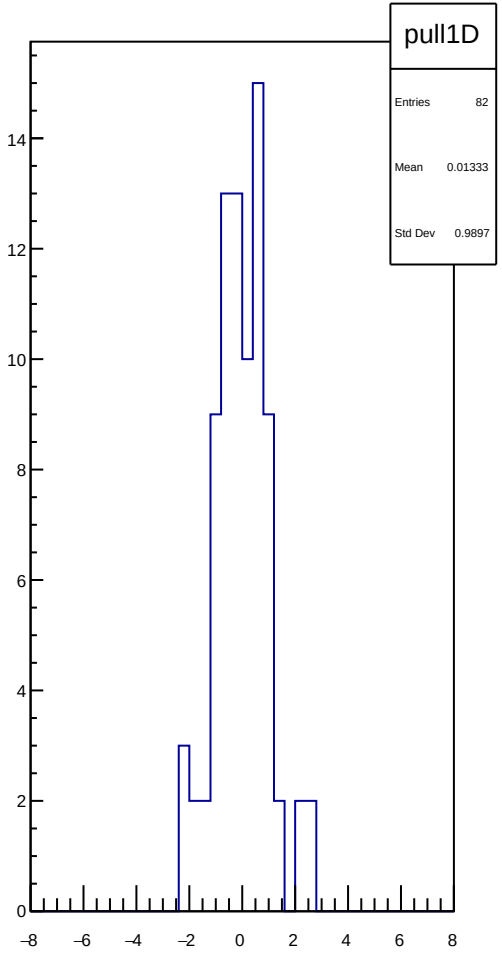
0
2
4
6
8

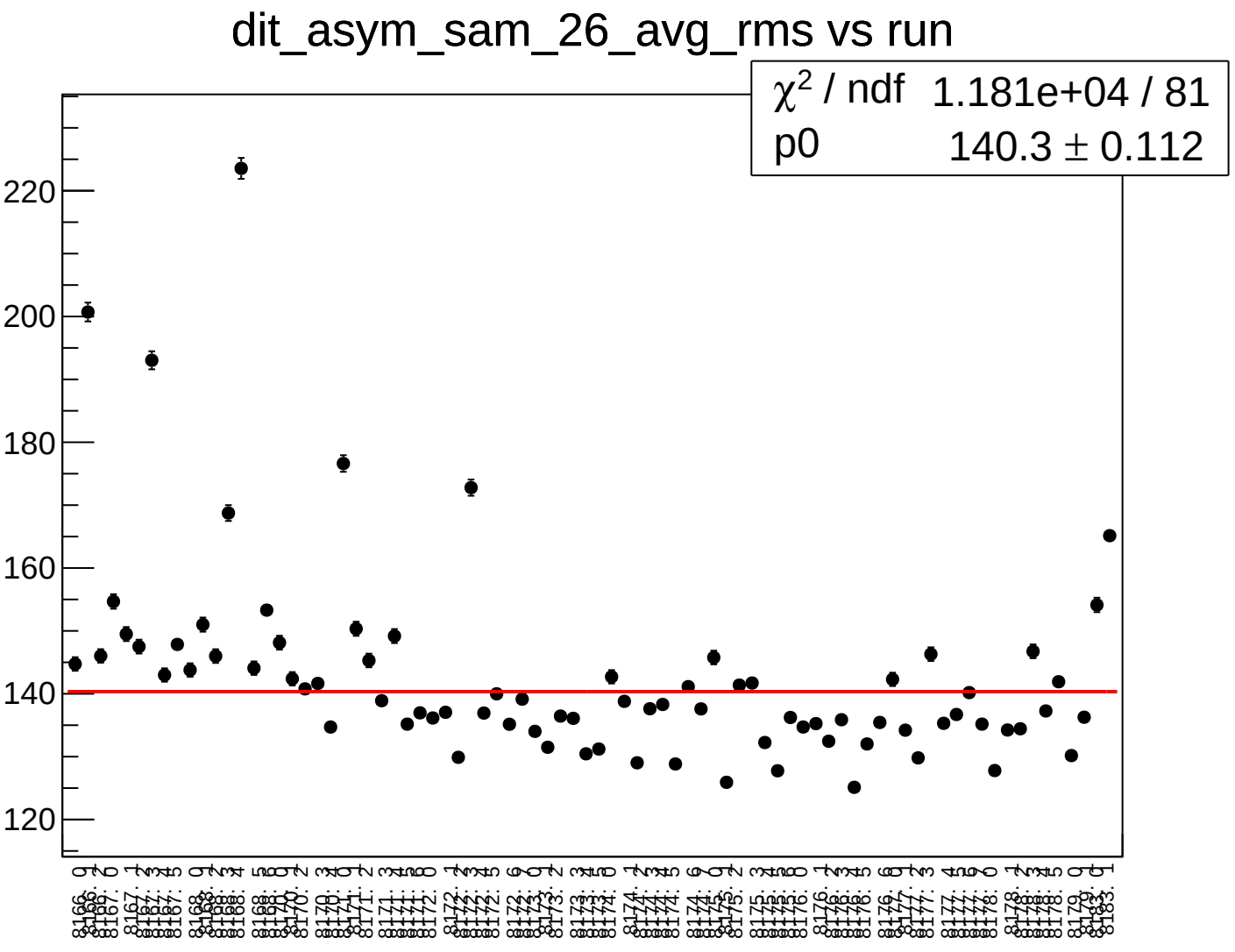

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.434e+04 / 81
p0 126.1 ± 0.1006
220
200
180
160
140
120
100

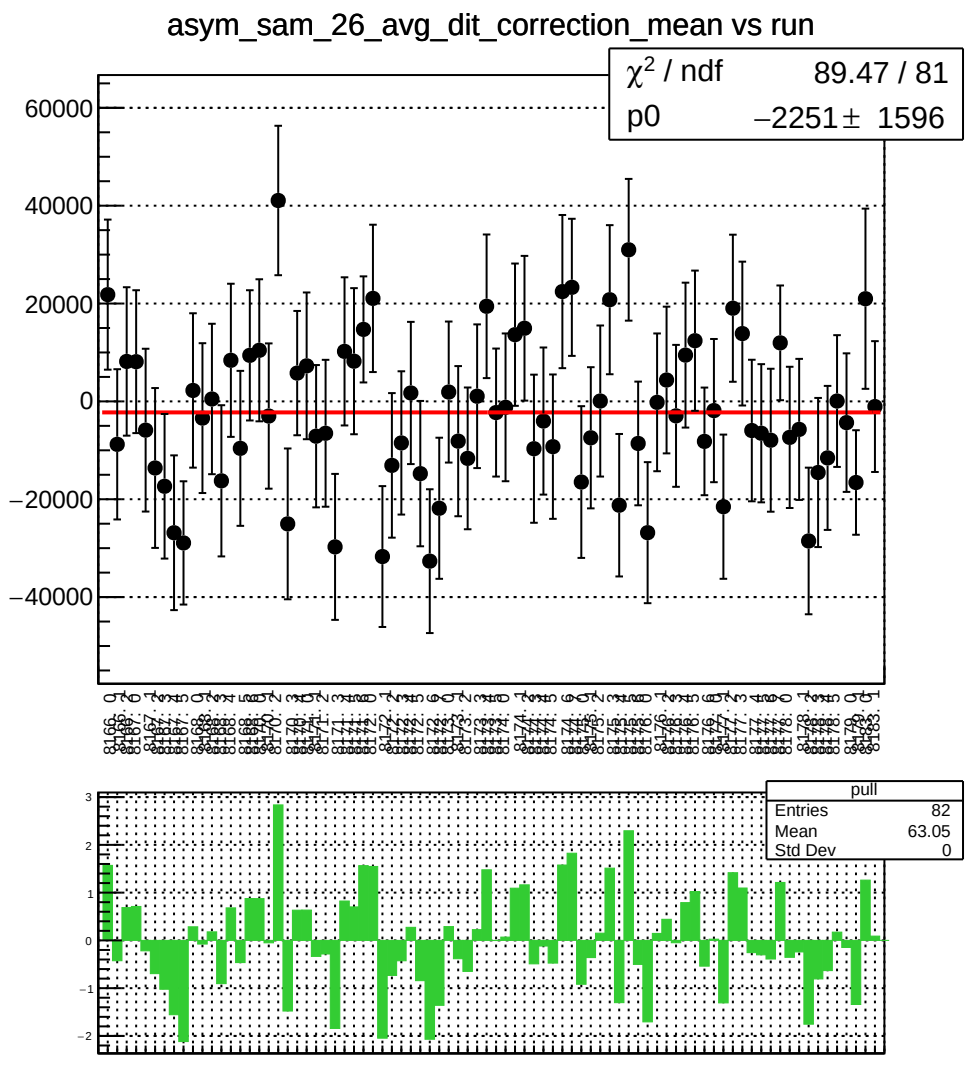

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 90.51 / 81
p0 −2240 ± 1575
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 90.21
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003516
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

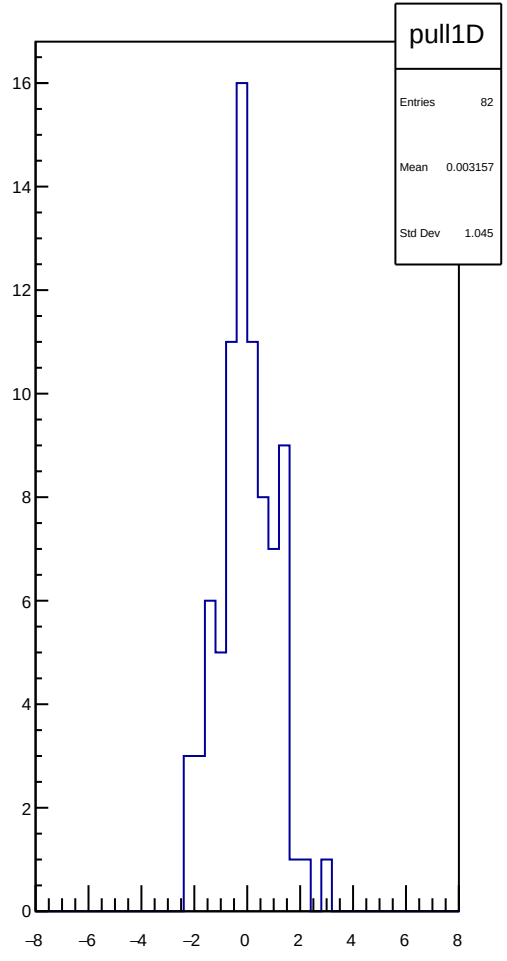

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 3804 / 81
p0 1400 ± 1.114
1800
1700
1600
1500
1400
1300

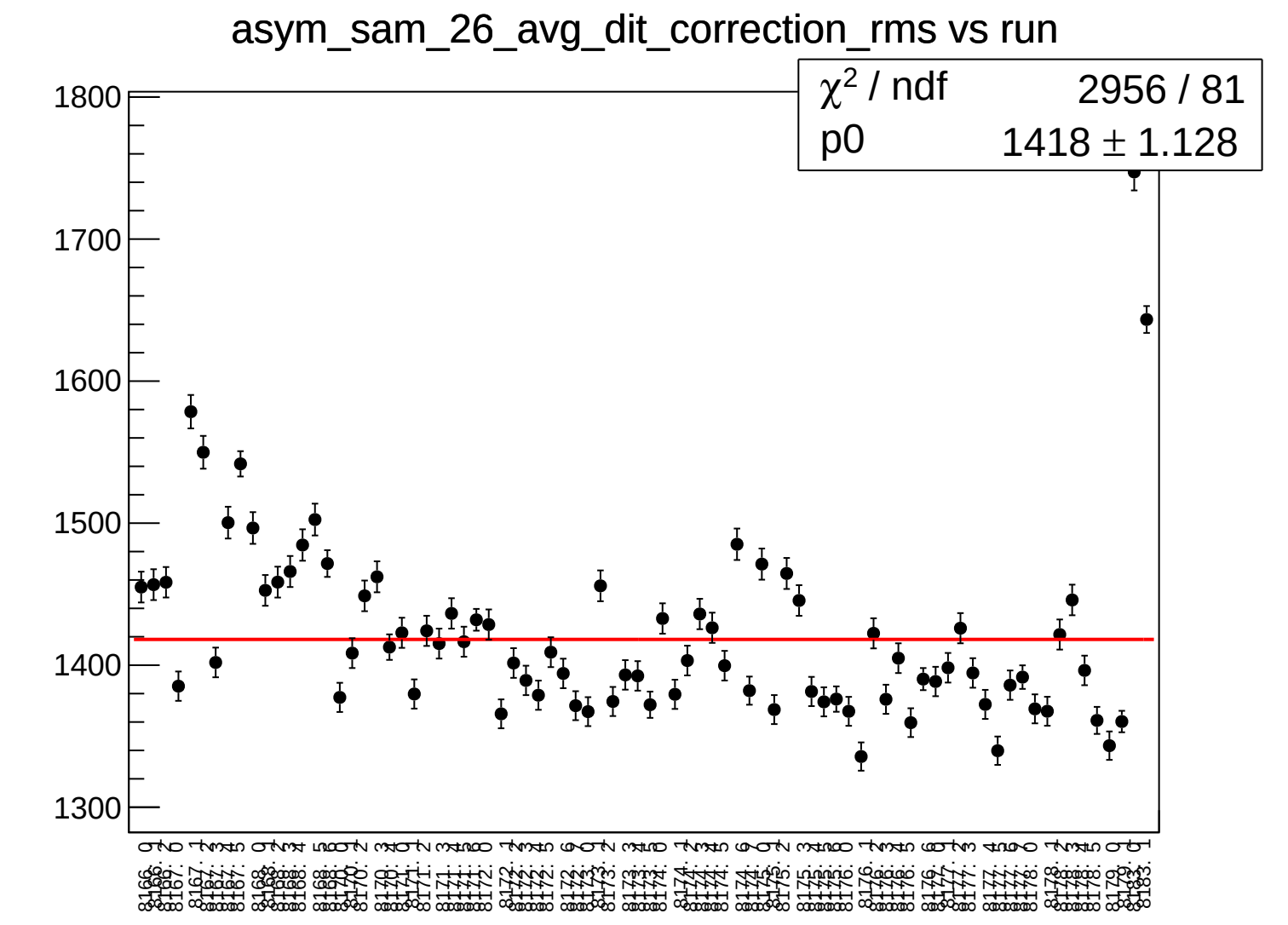

dit_asym_sam_26_avg_mean vs run
χ² / ndf 80.34 / 81
p0 −185.6 ± 158.3
pull
Entries 82
Mean −204.5
Std Dev 0

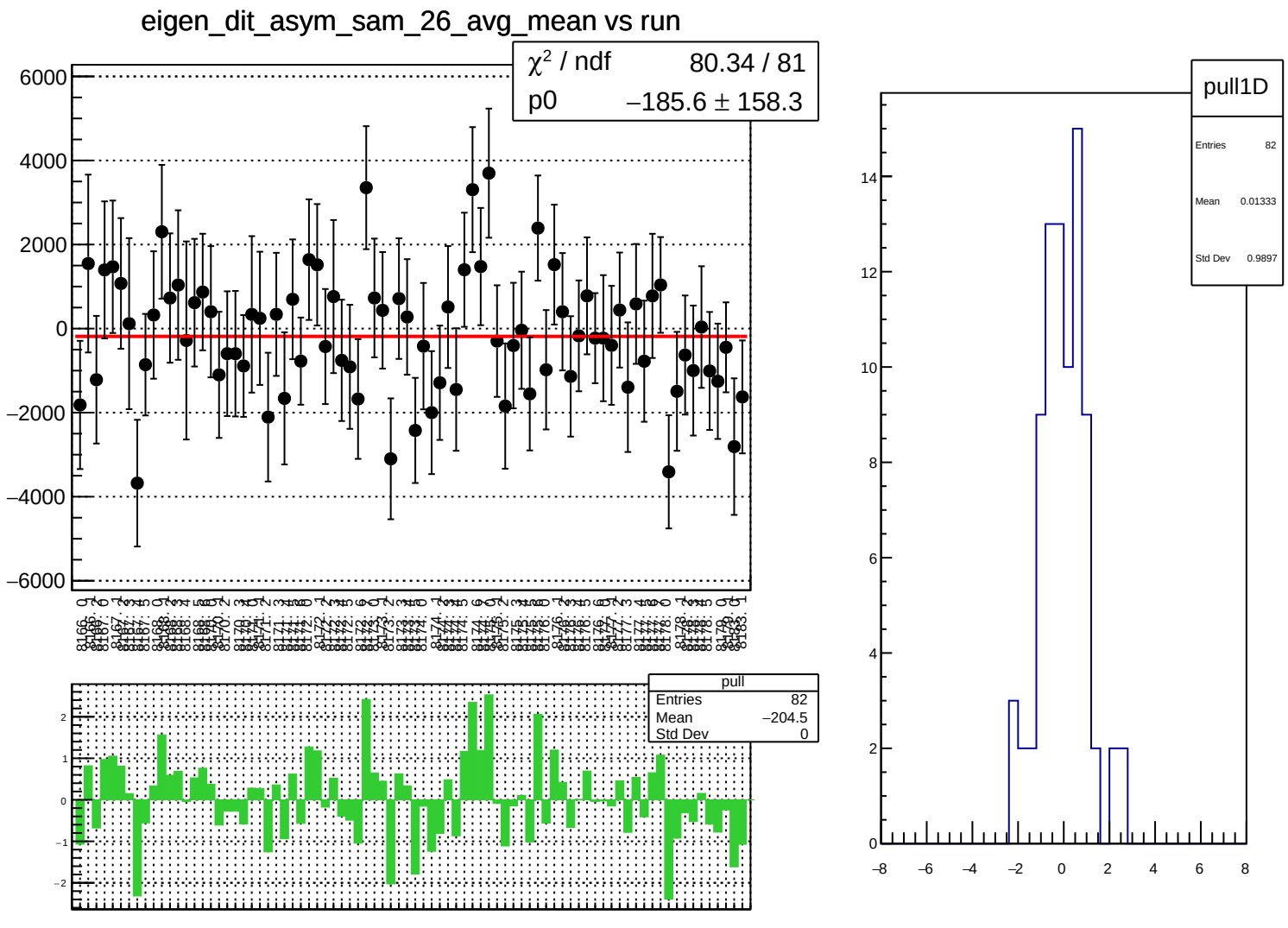

pull1D
Entries 82
Mean 0.01333
Std Dev 0.9897

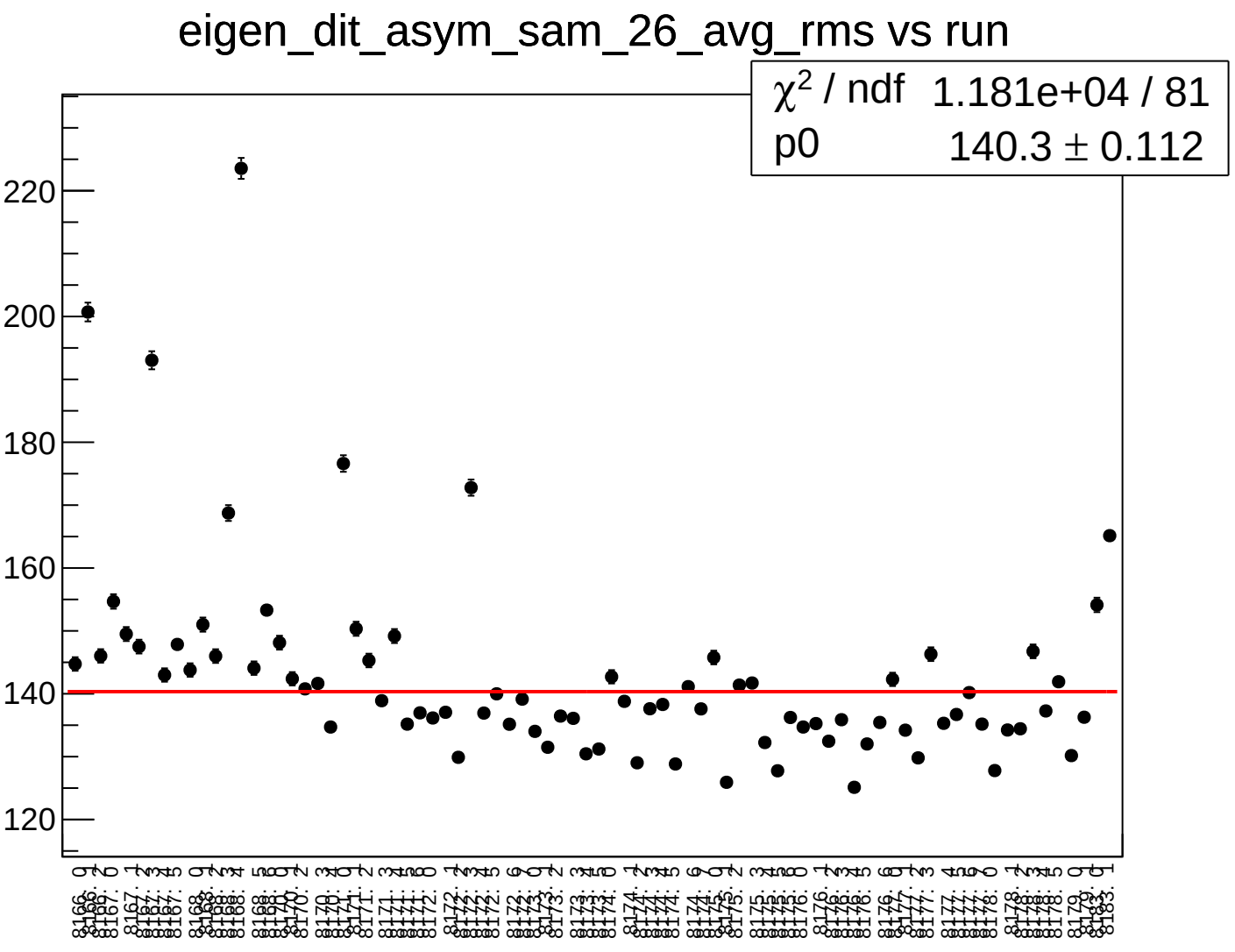

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.181e+04 / 81
p0 140.3 ± 0.112
220
200
180
160
140
120

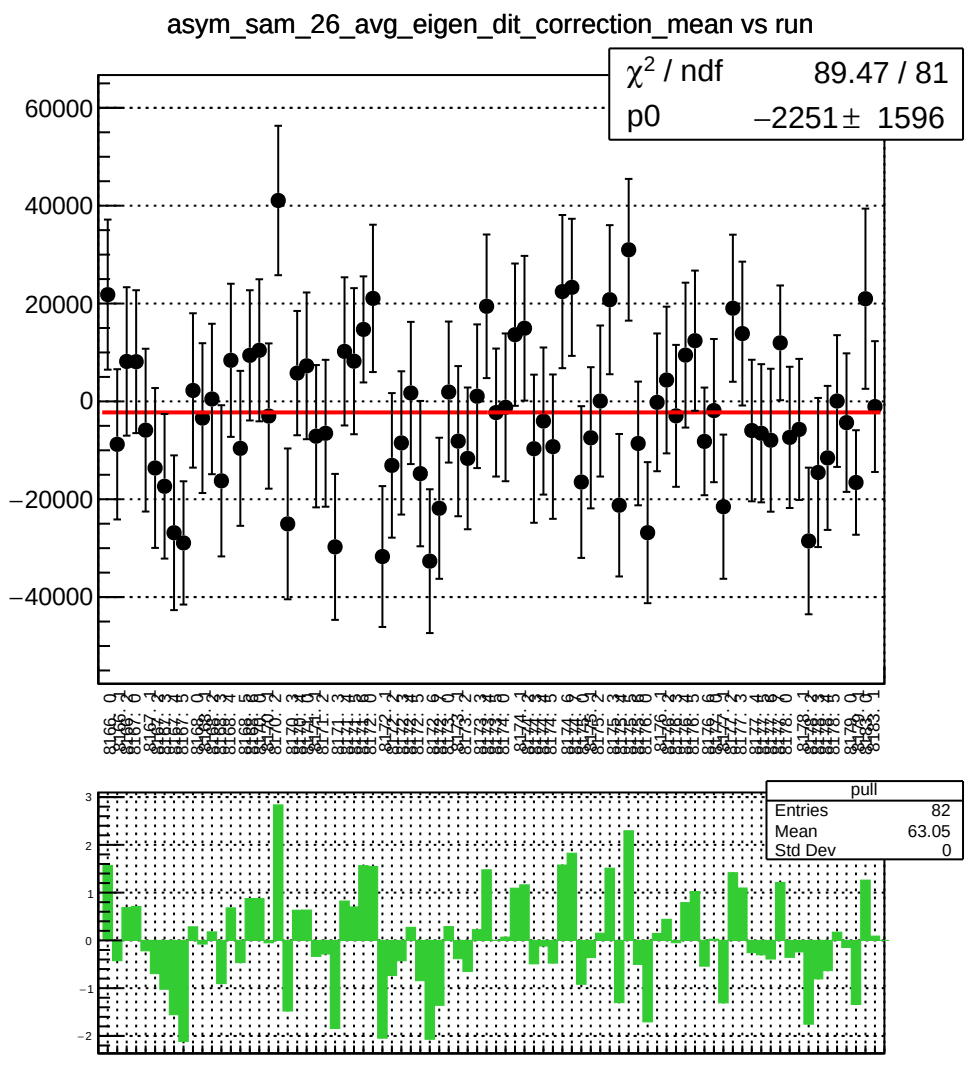

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 89.47 / 81
p0 −2251 ± 1596
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 63.05
Std Dev 0
3
2
1
0
−1
−2

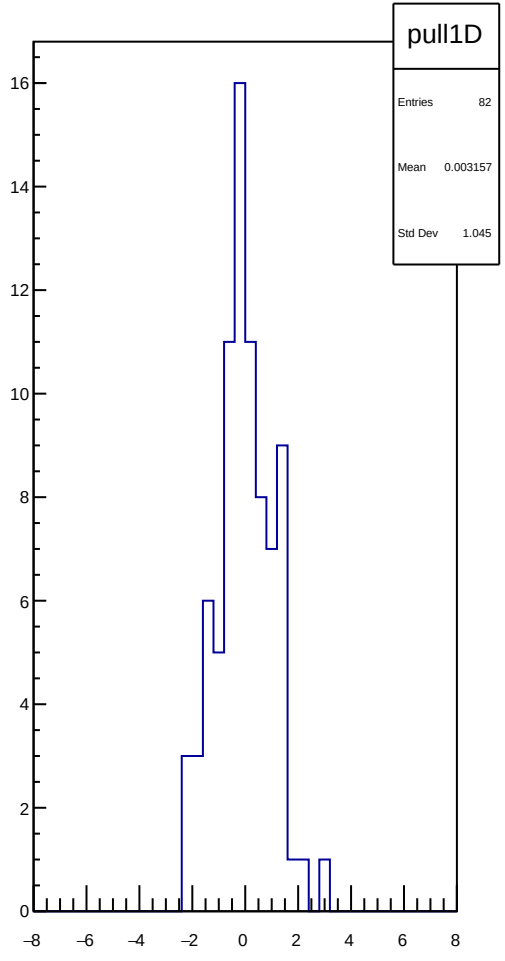

pull1D
Entries 82
Mean 0.003157
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

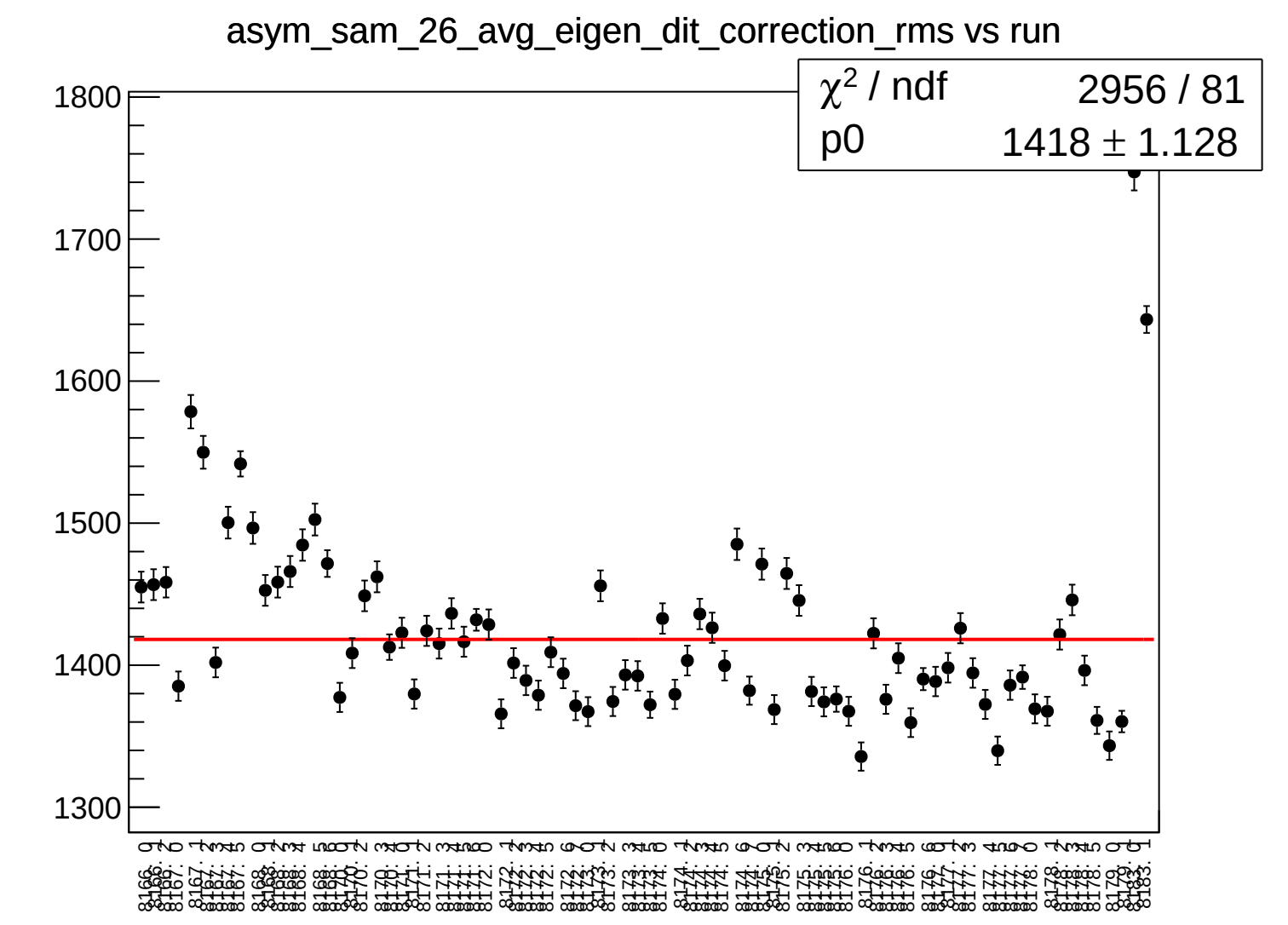

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 2956 / 81
p0 1418 ± 1.128
1800
1700
1600
1500
1400
1300

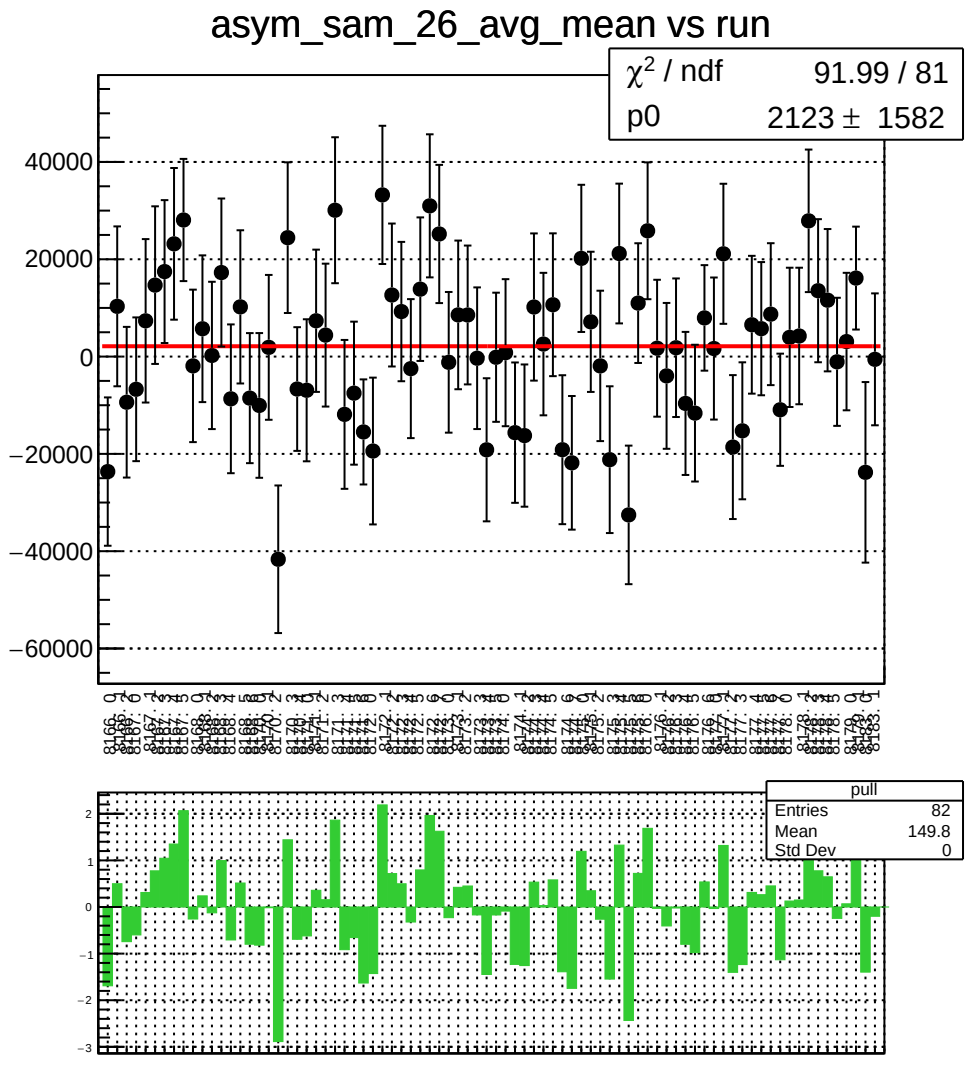

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 80.34 / 81
p0 −185.6 ± 158.3
pull
Entries 82
Mean −204.5
Std Dev 0
pull1D
Entries 82
Mean 0.01333
Std Dev 0.9897

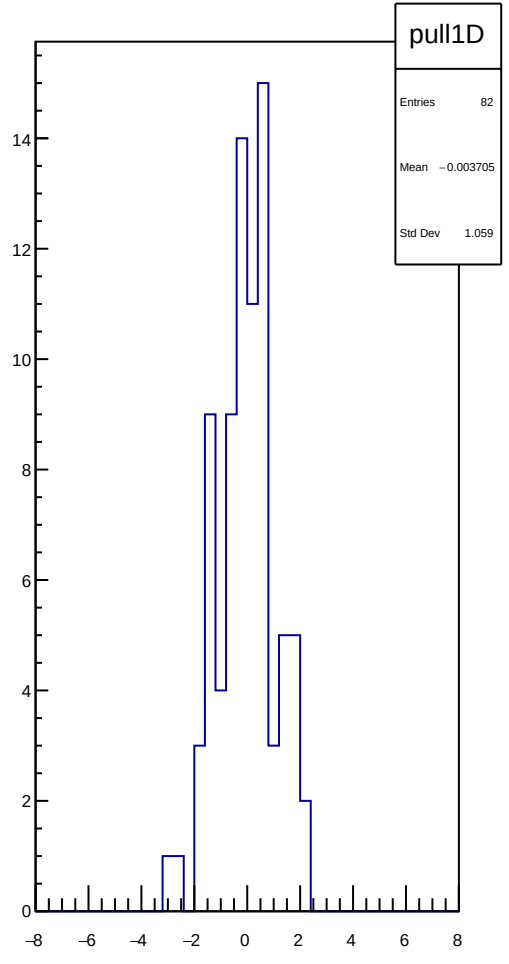

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.181e+04 / 81
p0 140.3 ± 0.112
220
200
180
160
140
120

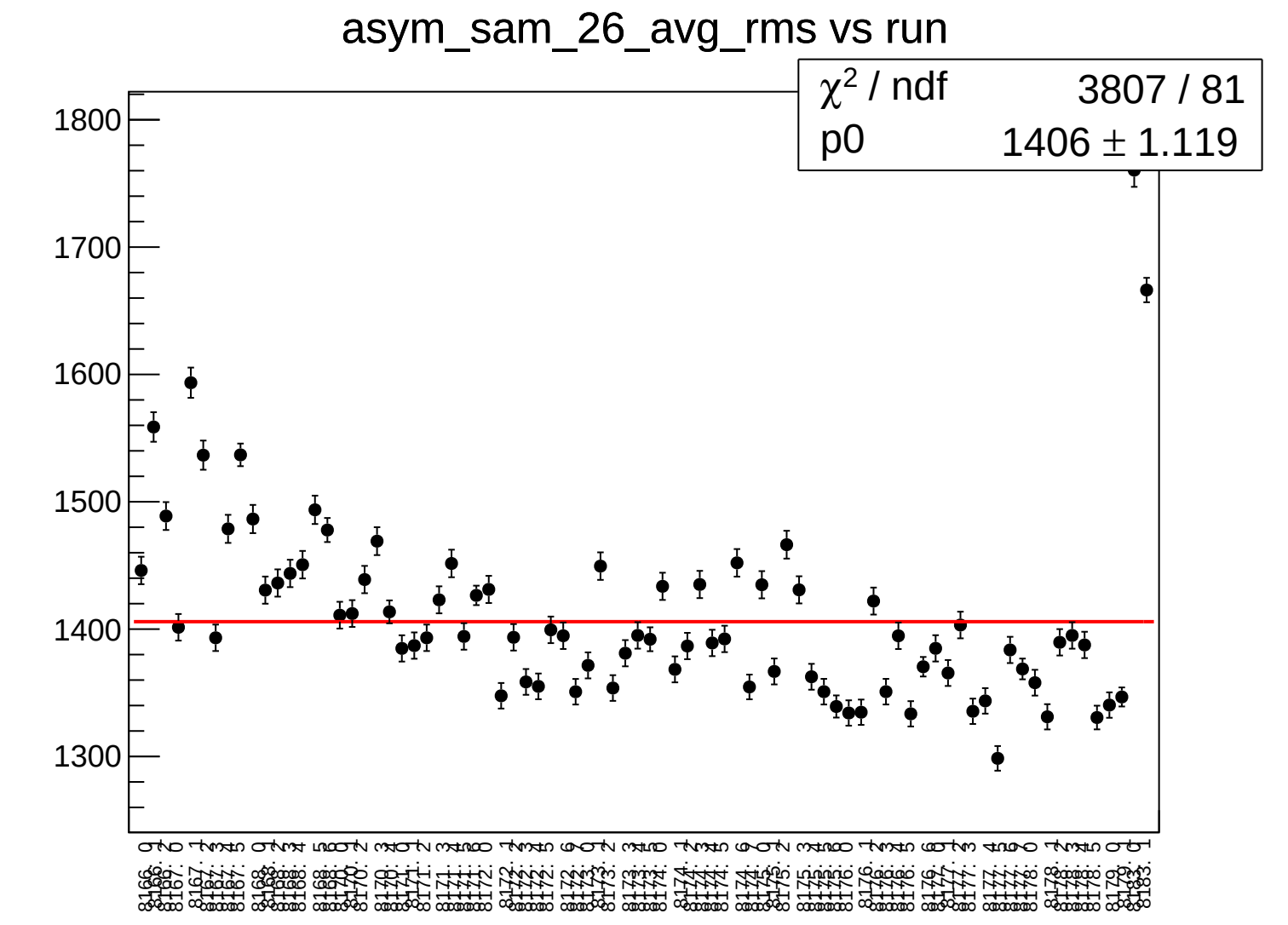

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 89.47 / 81
p0 −2251 ± 1596
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 63.05
Std Dev 0
3
2
1
0
−1
−2

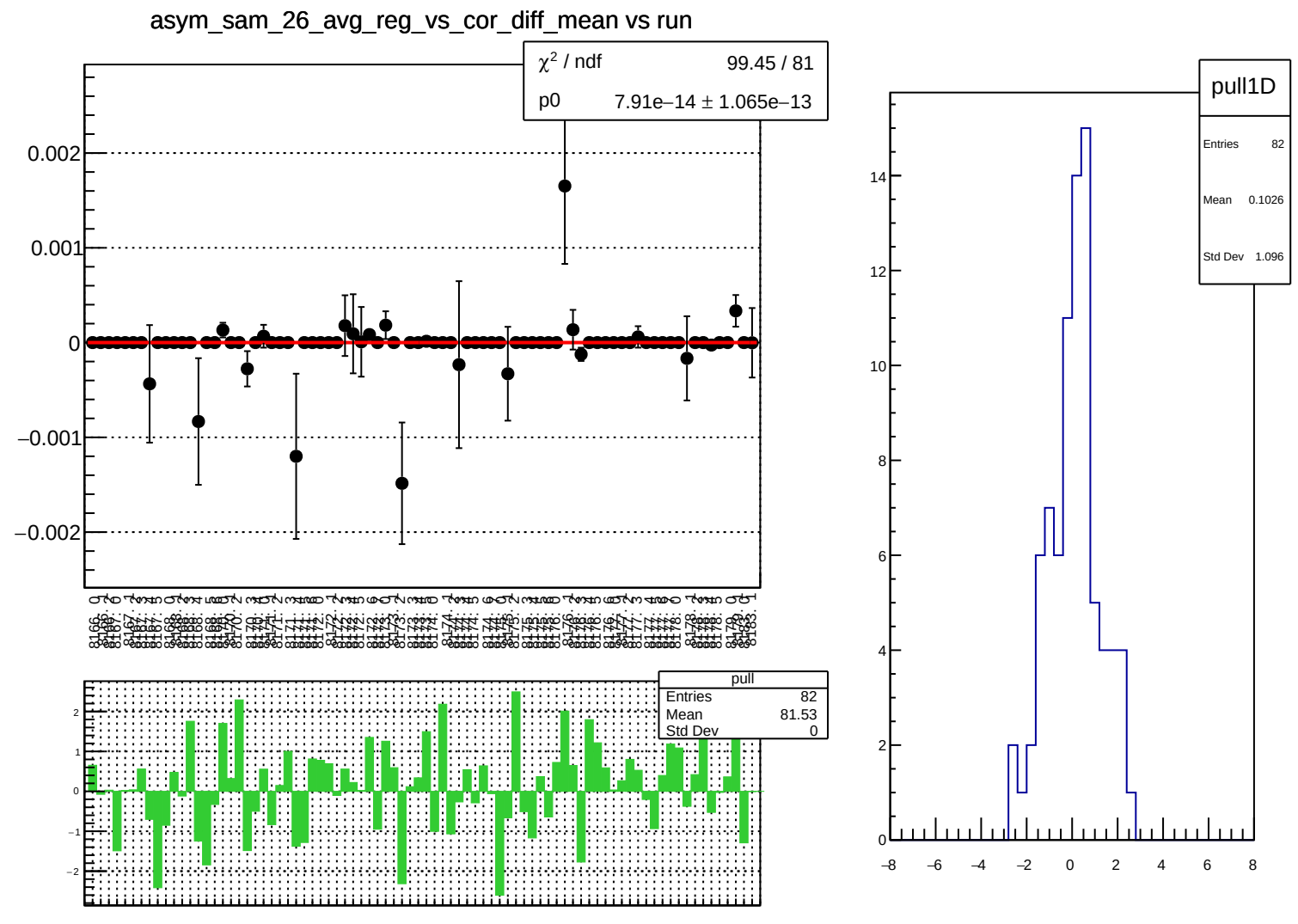

pull1D
Entries 82
Mean 0.003157
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

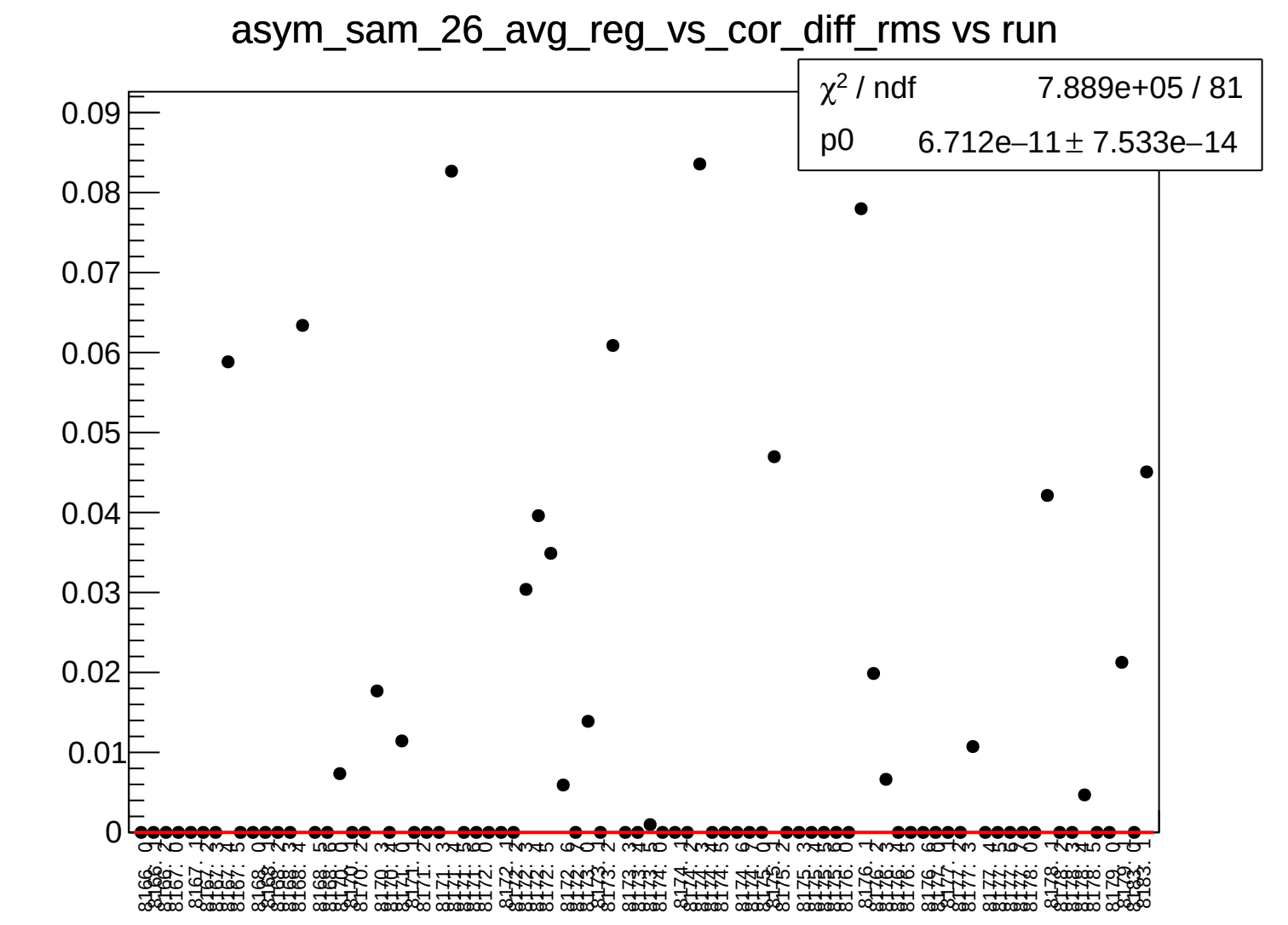

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 2956 / 81
p0 1418 ± 1.128
1800
1700
1600
1500
1400
1300

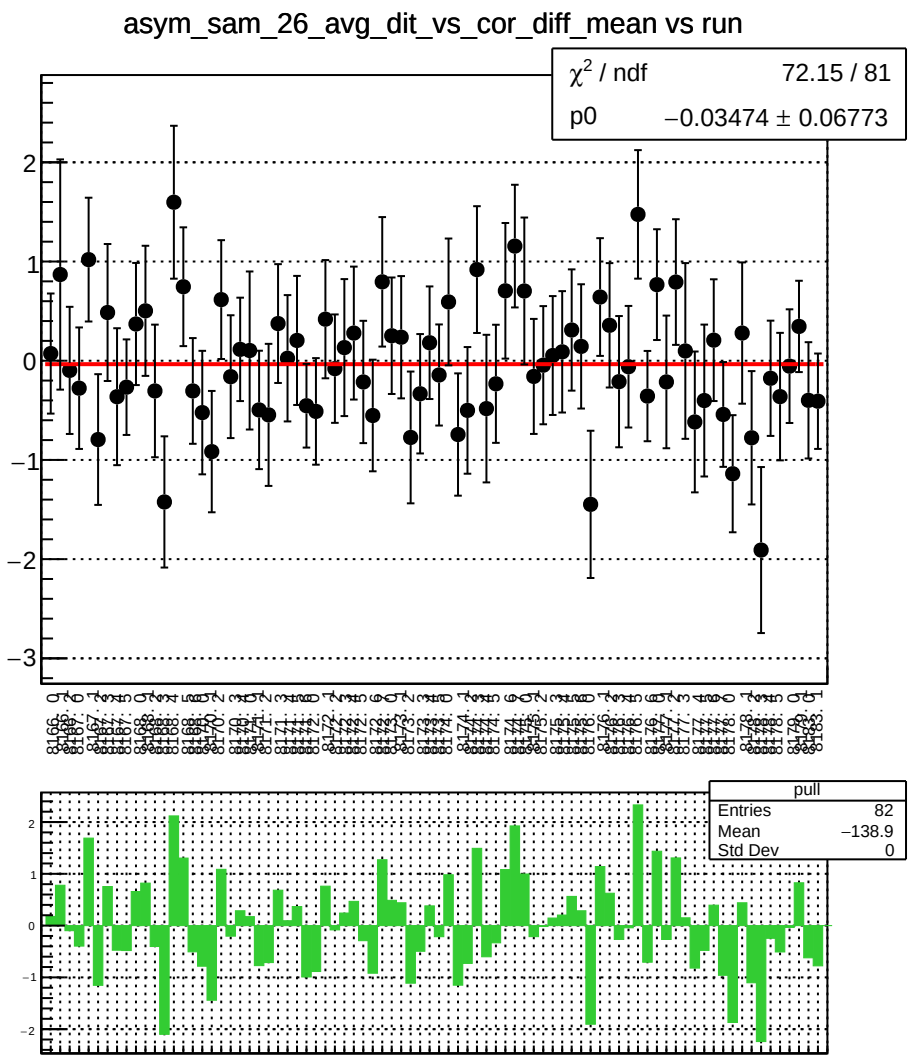

asym_sam_26_avg_mean vs run
χ² / ndf 91.99 / 81
p0 2123 ± 1582
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 149.8
Std Dev 0
2
1
0
−1
−2
−3

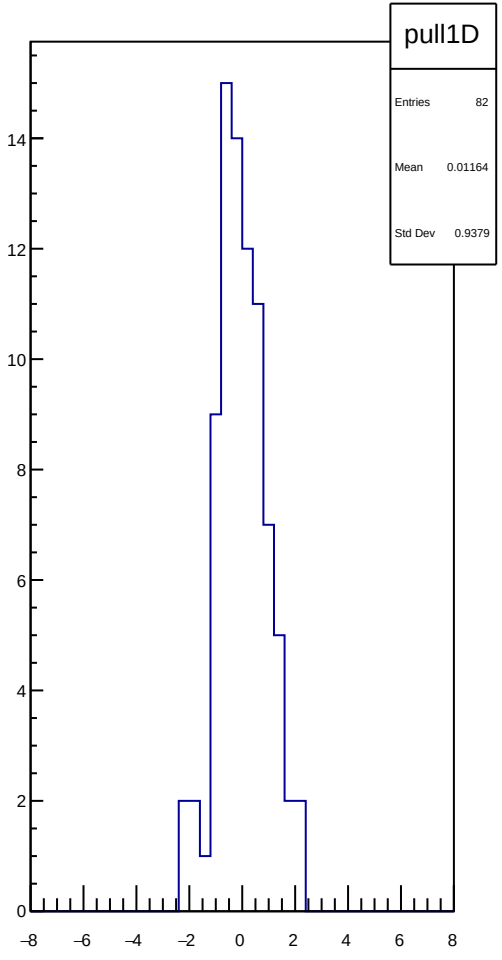

pull1D
Entries 82
Mean −0.003705
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

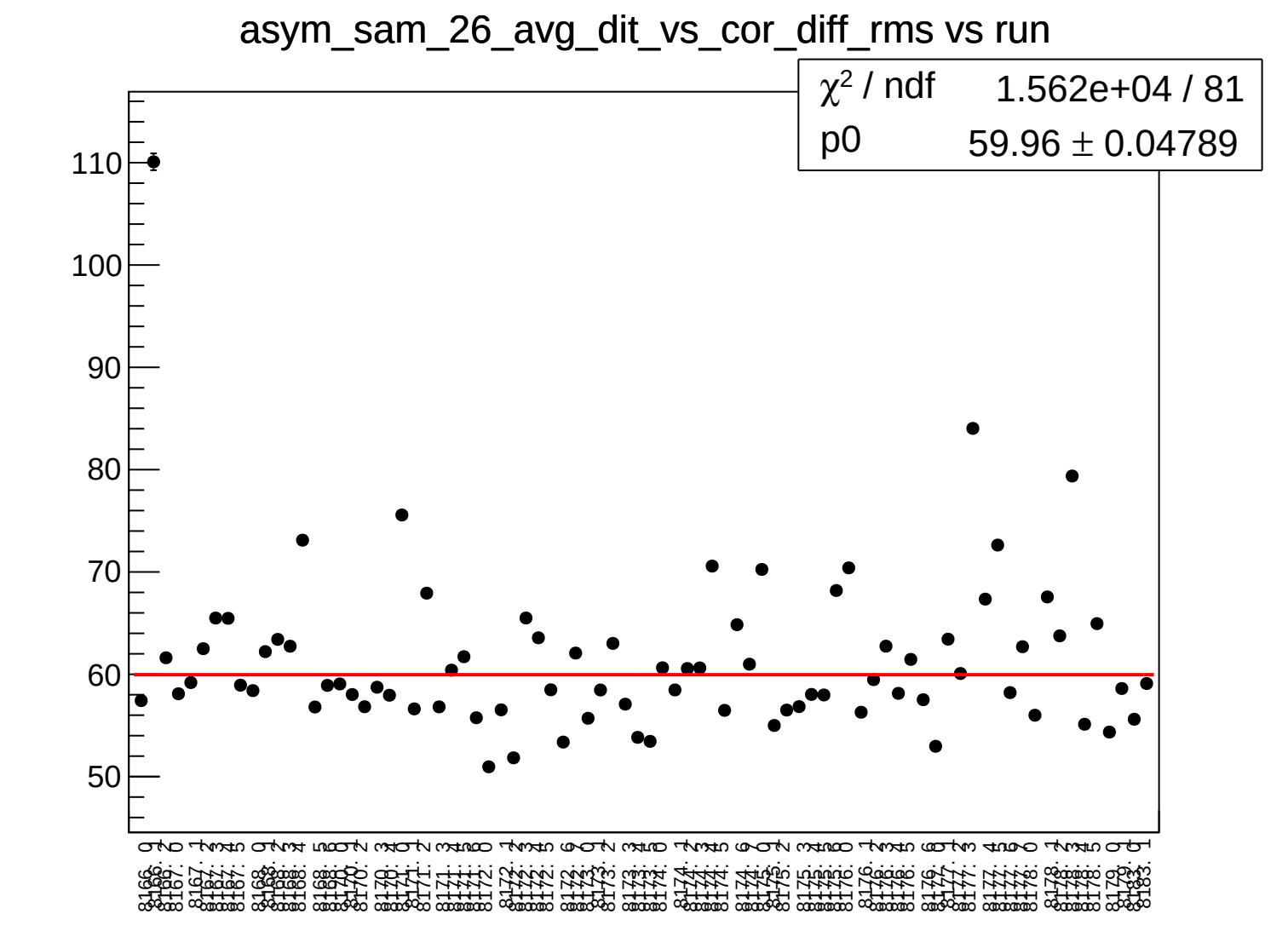

asym_sam_26_avg_rms vs run
χ² / ndf 3807 / 81
p0 1406 ± 1.119
1800
1700
1600
1500
1400
1300


asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 99.45 / 81
p0 7.91e−14 ± 1.065e−13
0.002
0.001
0
−0.001
−0.002
pull
Entries 82
Mean 81.53
Std Dev 0
pull1D
Entries 82
Mean 0.1026
Std Dev 1.096

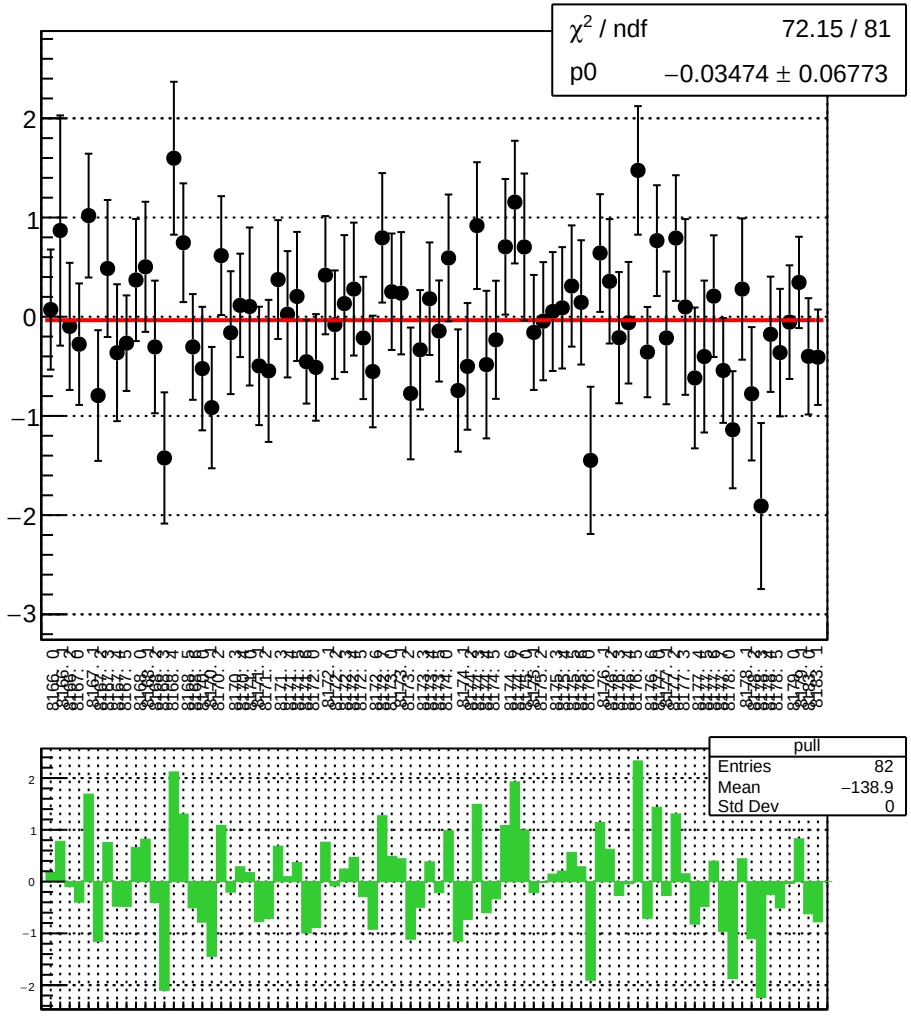

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.889e+05 / 81
p0 6.712e−11 ± 7.533e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

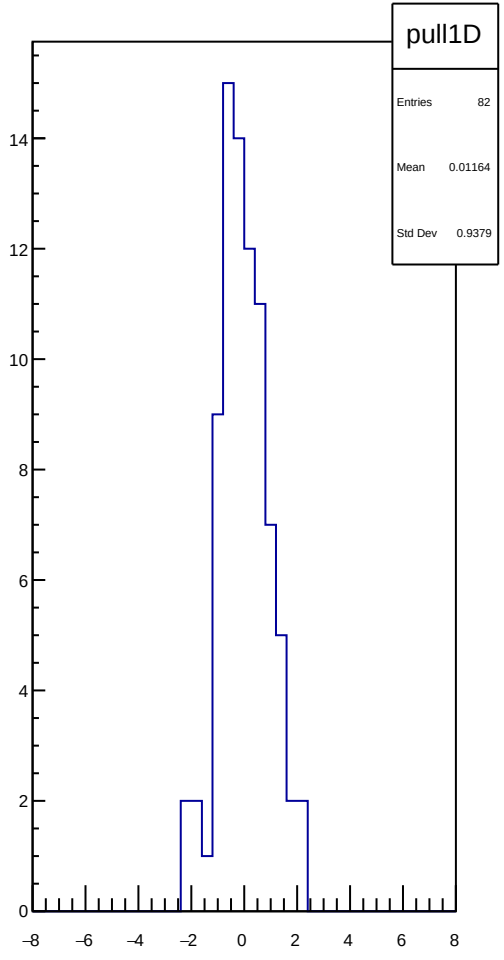

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.15 / 81
p0 −0.03474 ± 0.06773
pull
Entries 82
Mean −138.9
Std Dev 0

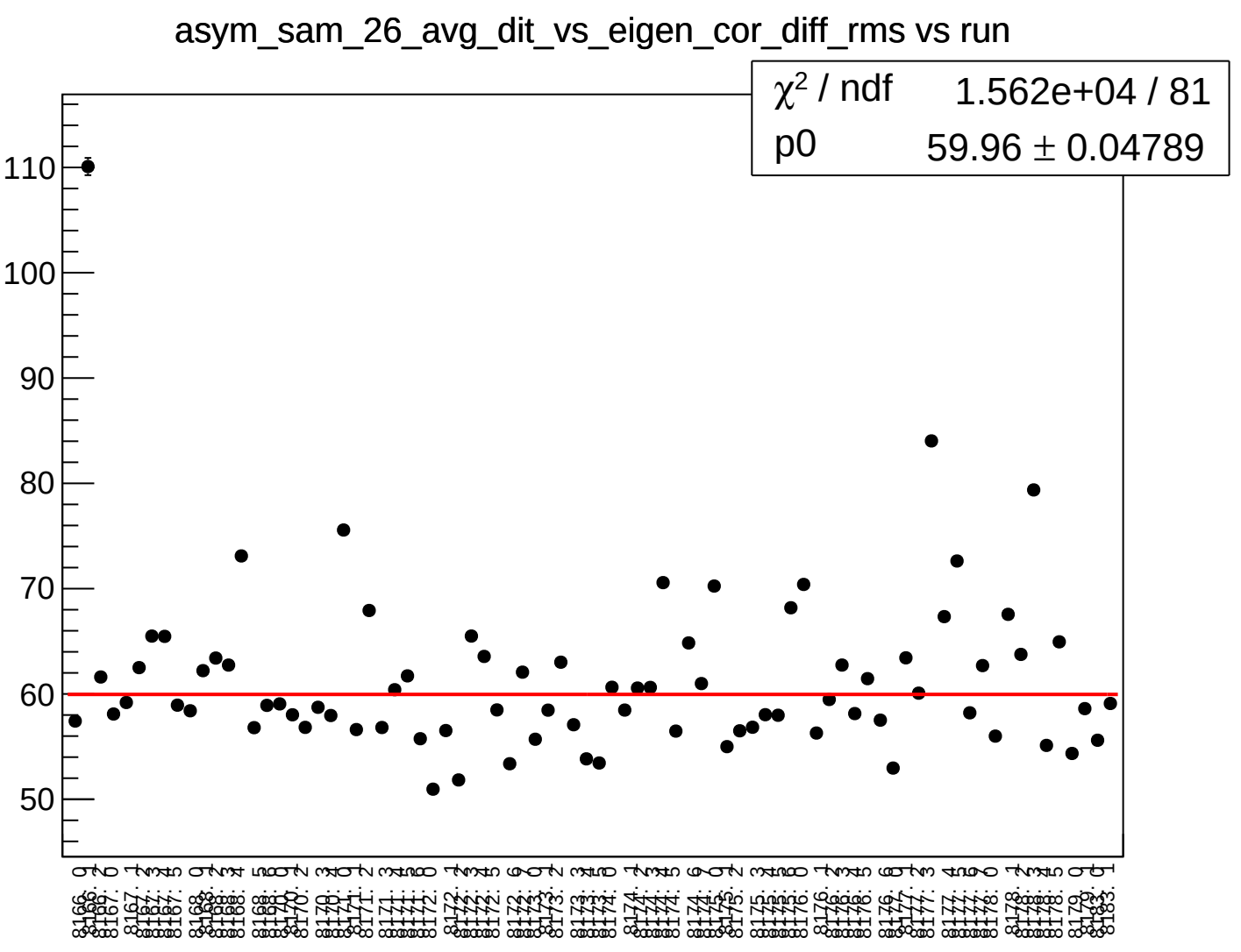

pull1D
Entries 82
Mean 0.01164
Std Dev 0.9379

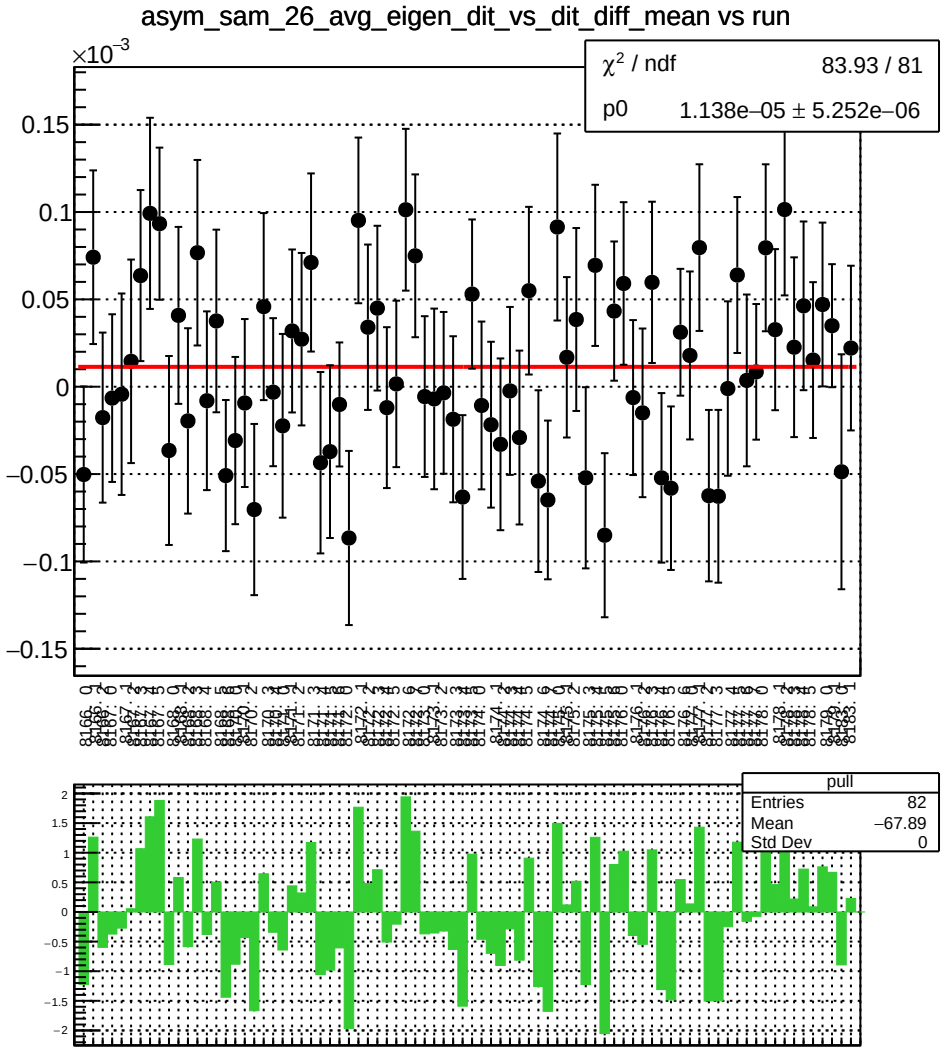

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.562e+04 / 81
p0 59.96 ± 0.04789
110
100
90
80
70
60
50

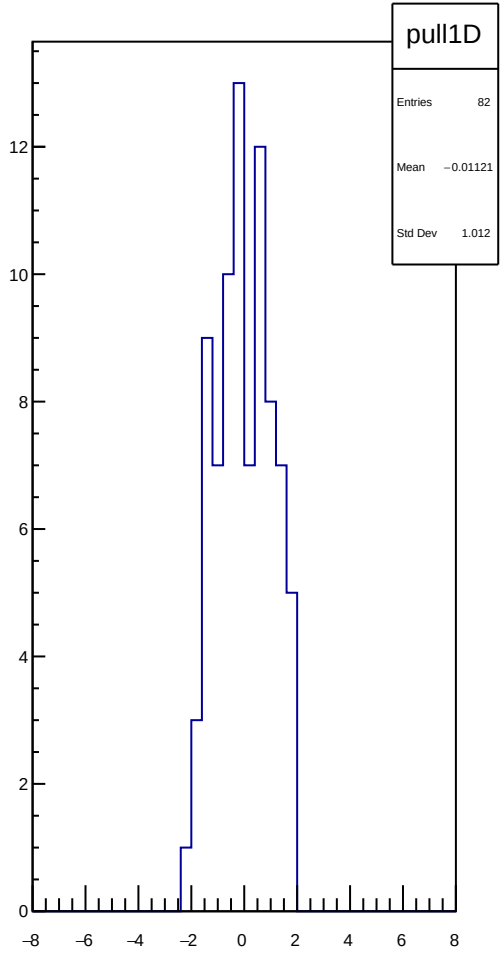
asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run

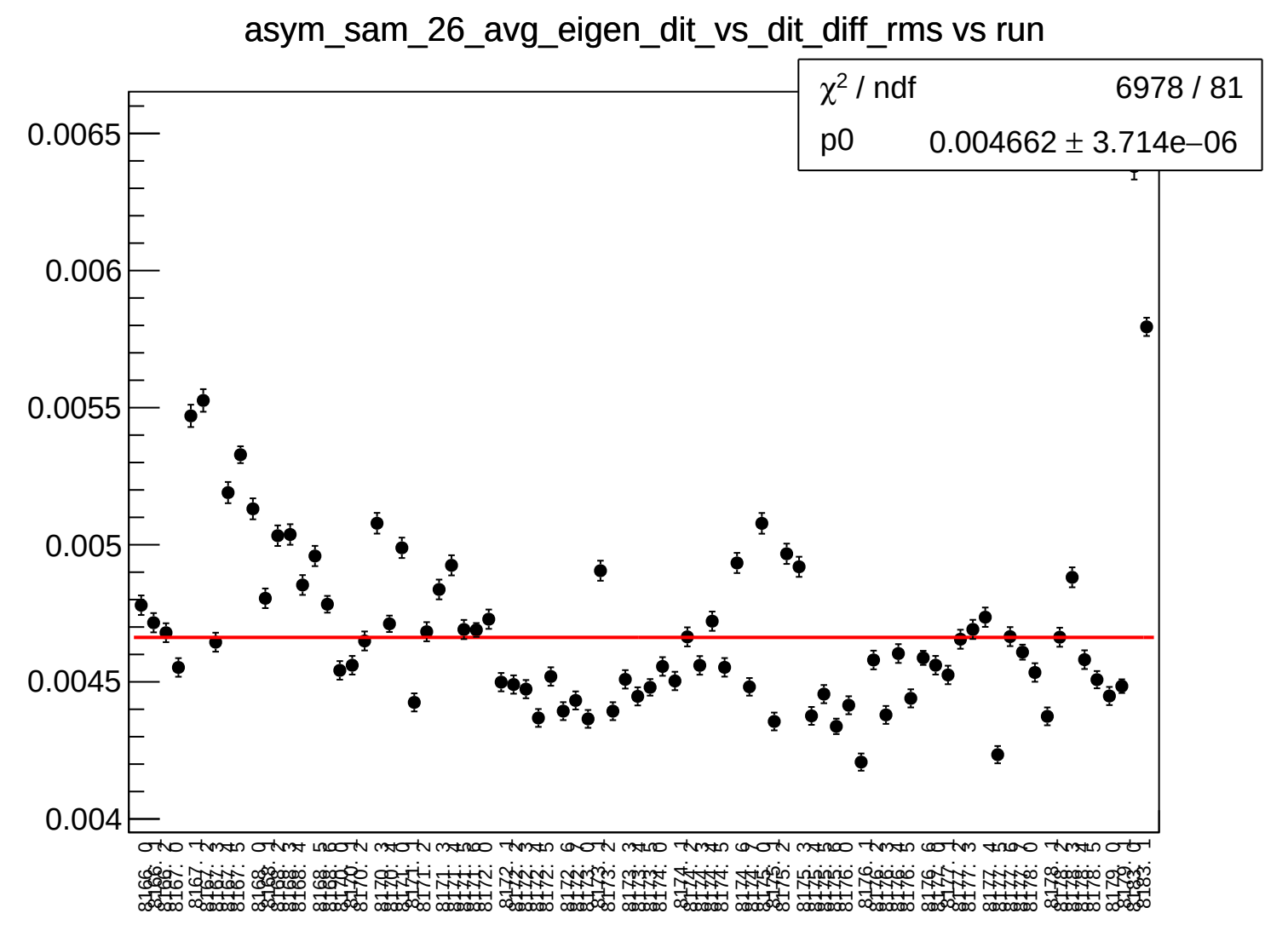


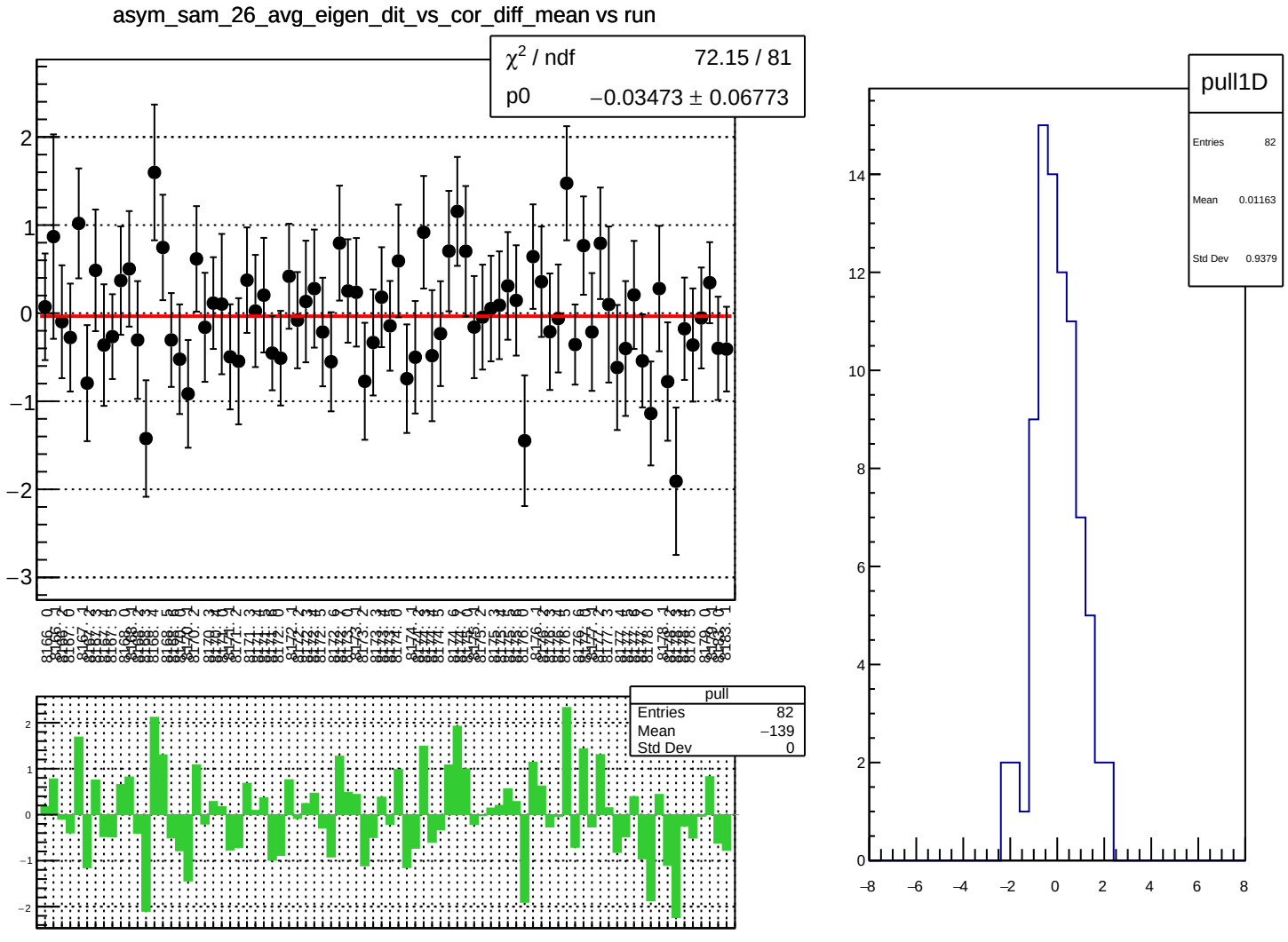


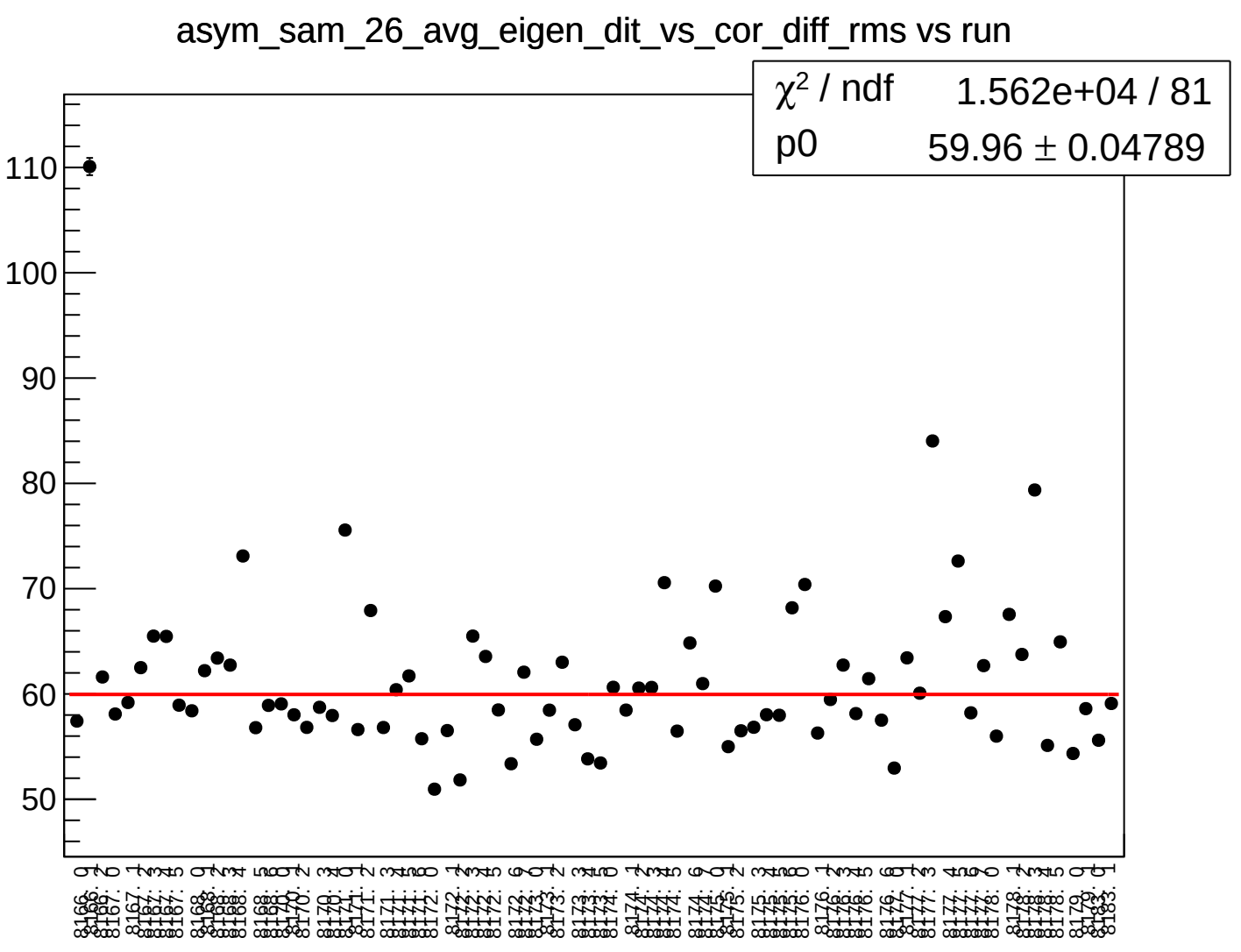

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.562e+04 / 81
p0 59.96 ± 0.04789
110
100
90
80
70
60
50

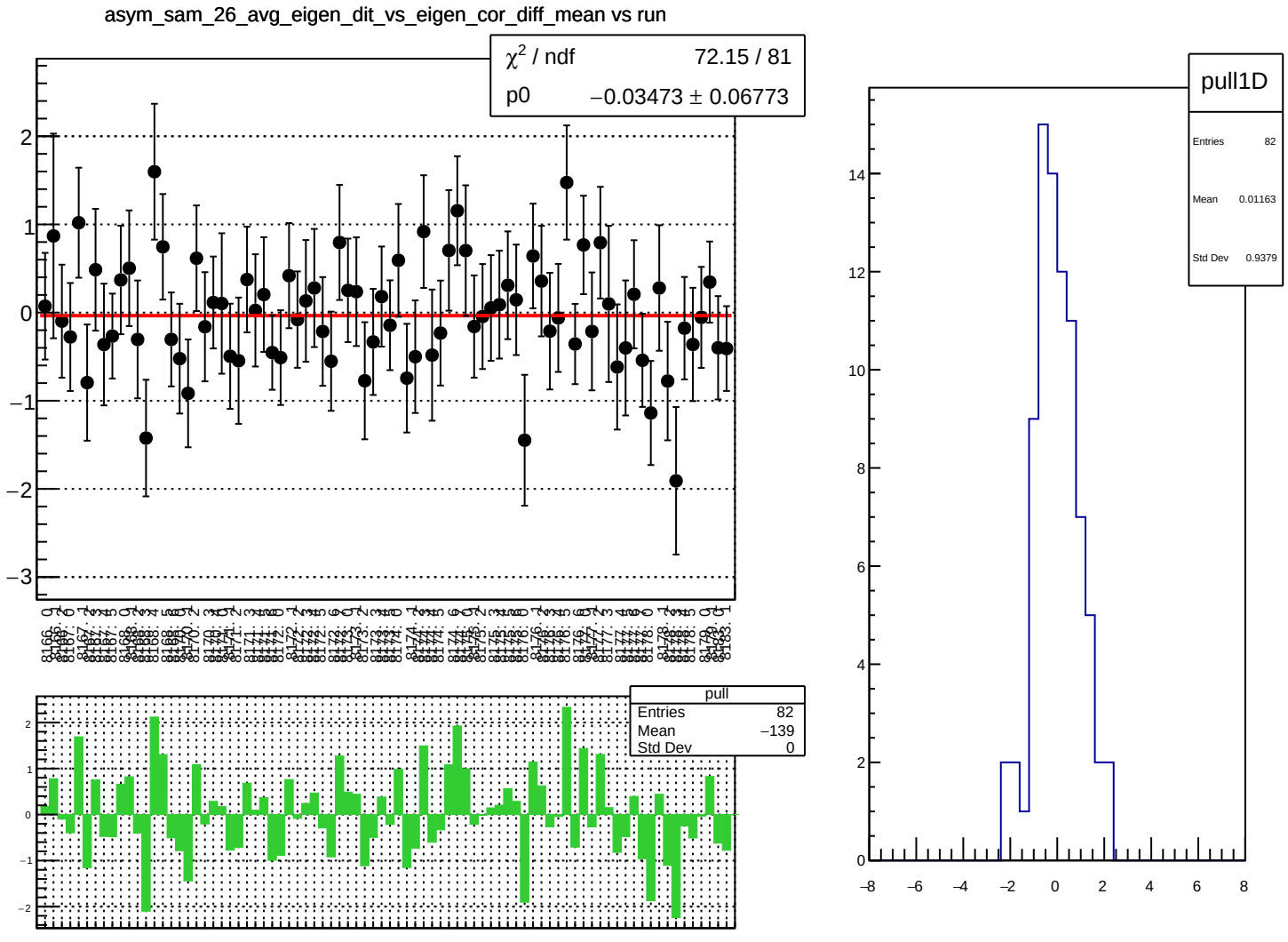

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.93 / 81
p0 1.138e−05 ± 5.252e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 82
Mean −67.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

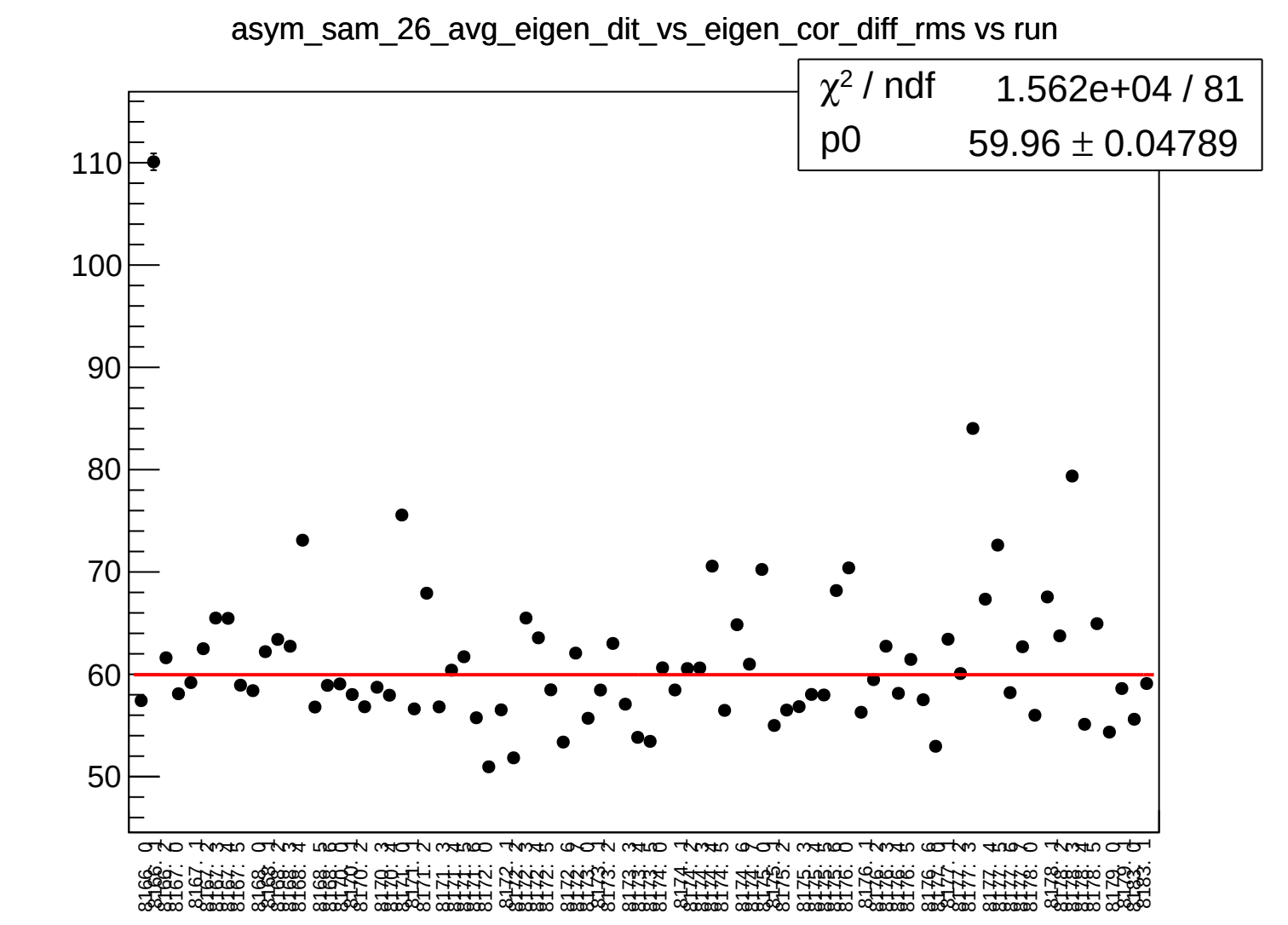

pull1D
Entries 82
Mean −0.01121
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

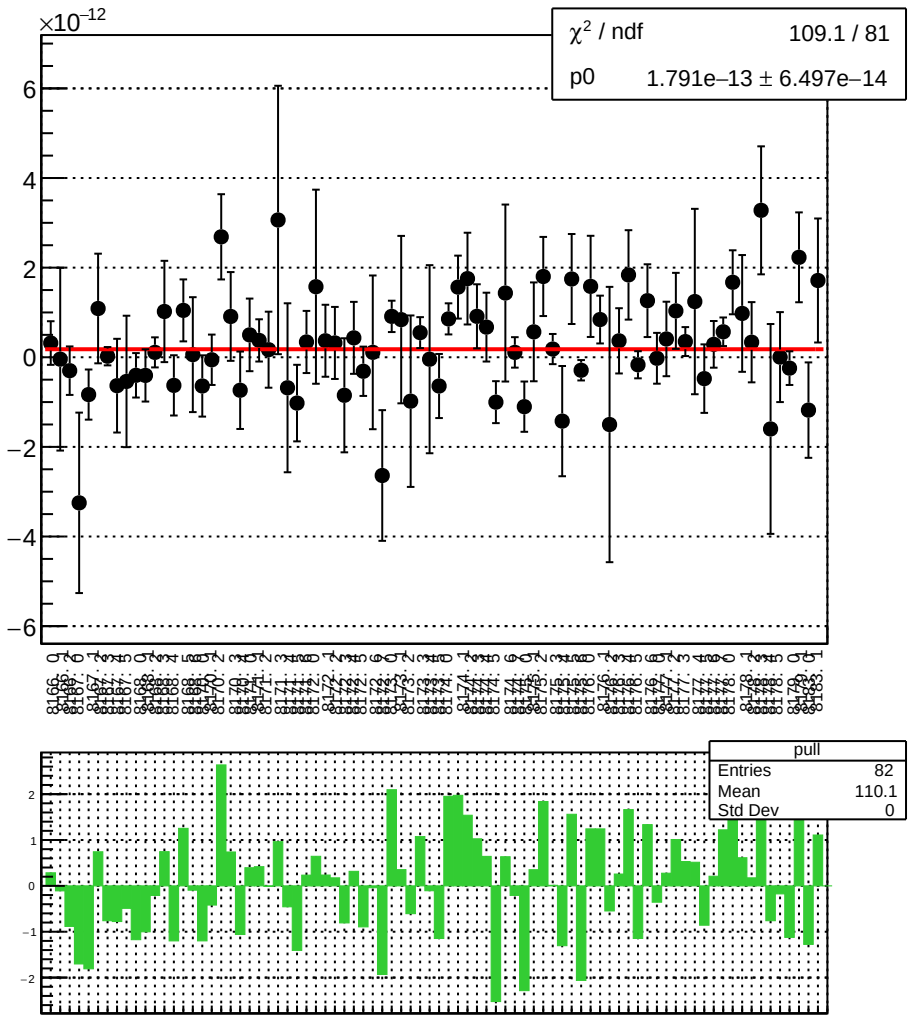

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6978 / 81
p0 0.004662 ± 3.714e−06
0.0065
0.006
0.0055
0.005
0.0045
0.004

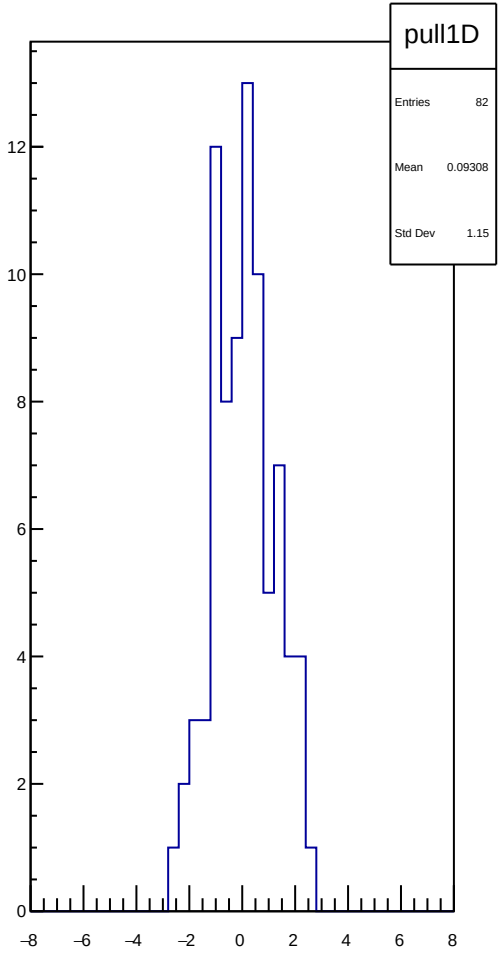

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.15 / 81
p0 −0.03473 ± 0.06773
pull
Entries 82
Mean −139
Std Dev 0
pull1D
Entries 82
Mean 0.01163
Std Dev 0.9379

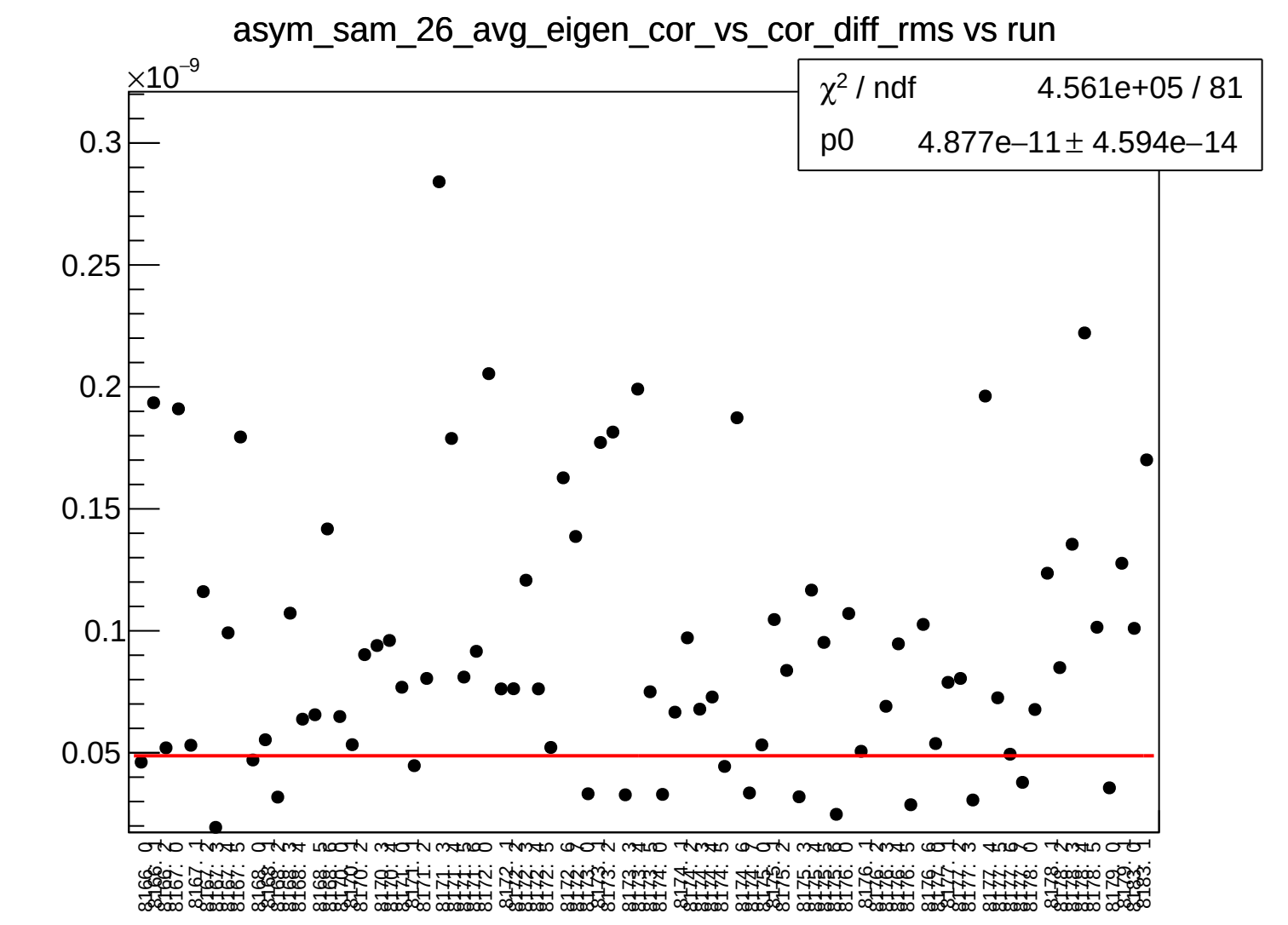

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.562e+04 / 81
p0 59.96 ± 0.04789
110
100
90
80
70
60
50

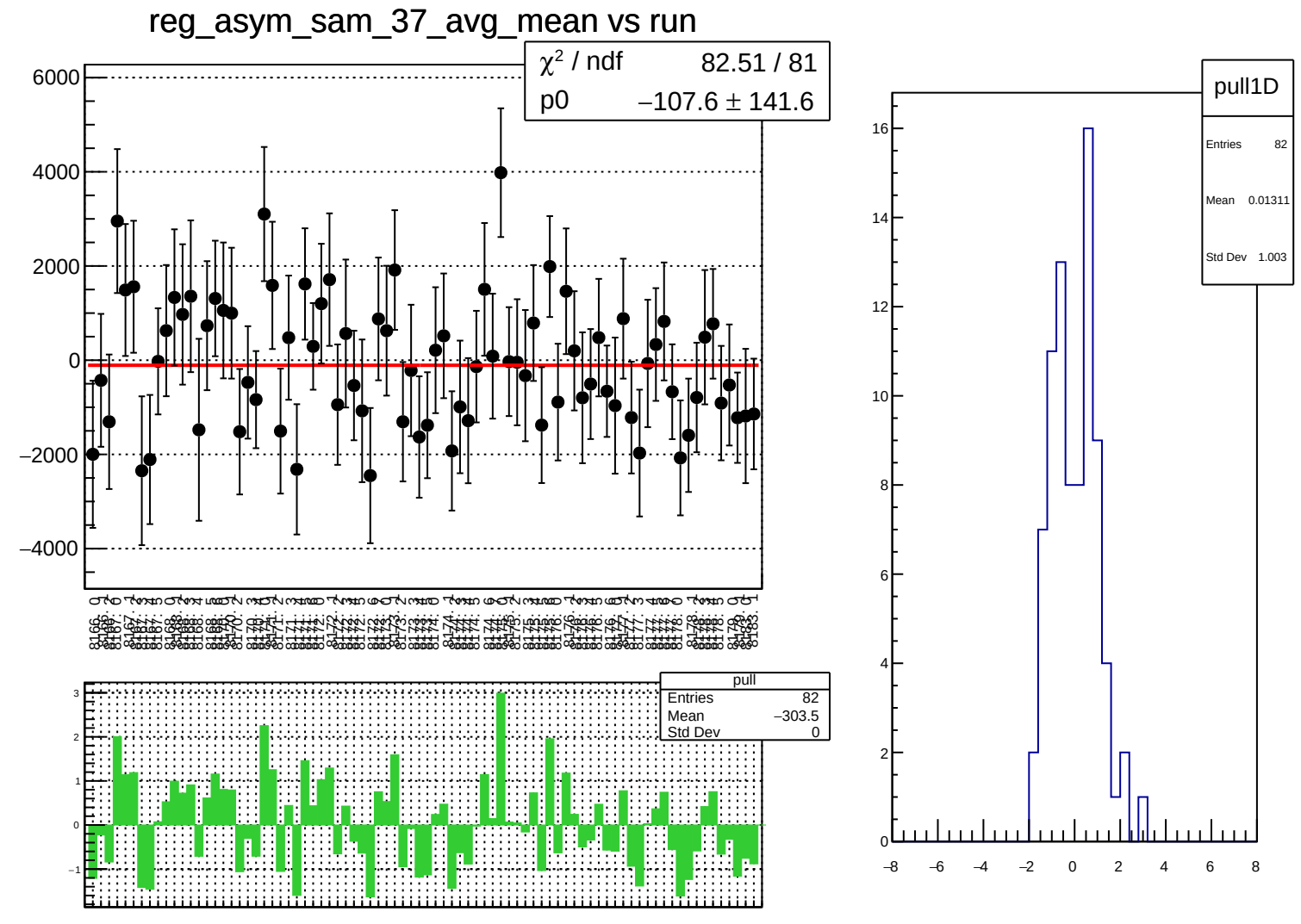

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.15 / 81
p0 −0.03473 ± 0.06773
pull
Entries 82
Mean −139
Std Dev 0
pull1D
Entries 82
Mean 0.01163
Std Dev 0.9379

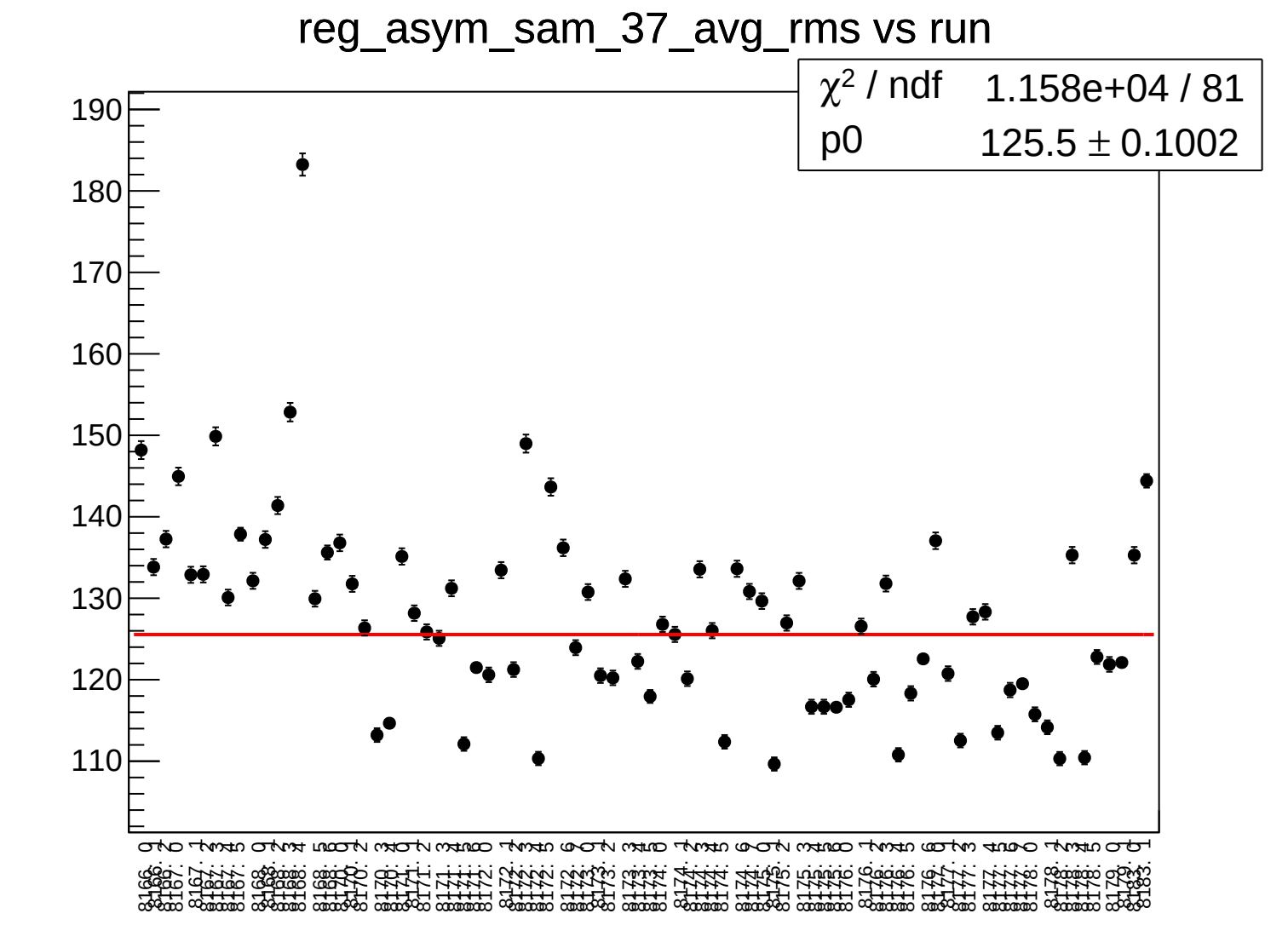

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.562e+04 / 81
p0 59.96 ± 0.04789
110
100
90
80
70
60
50

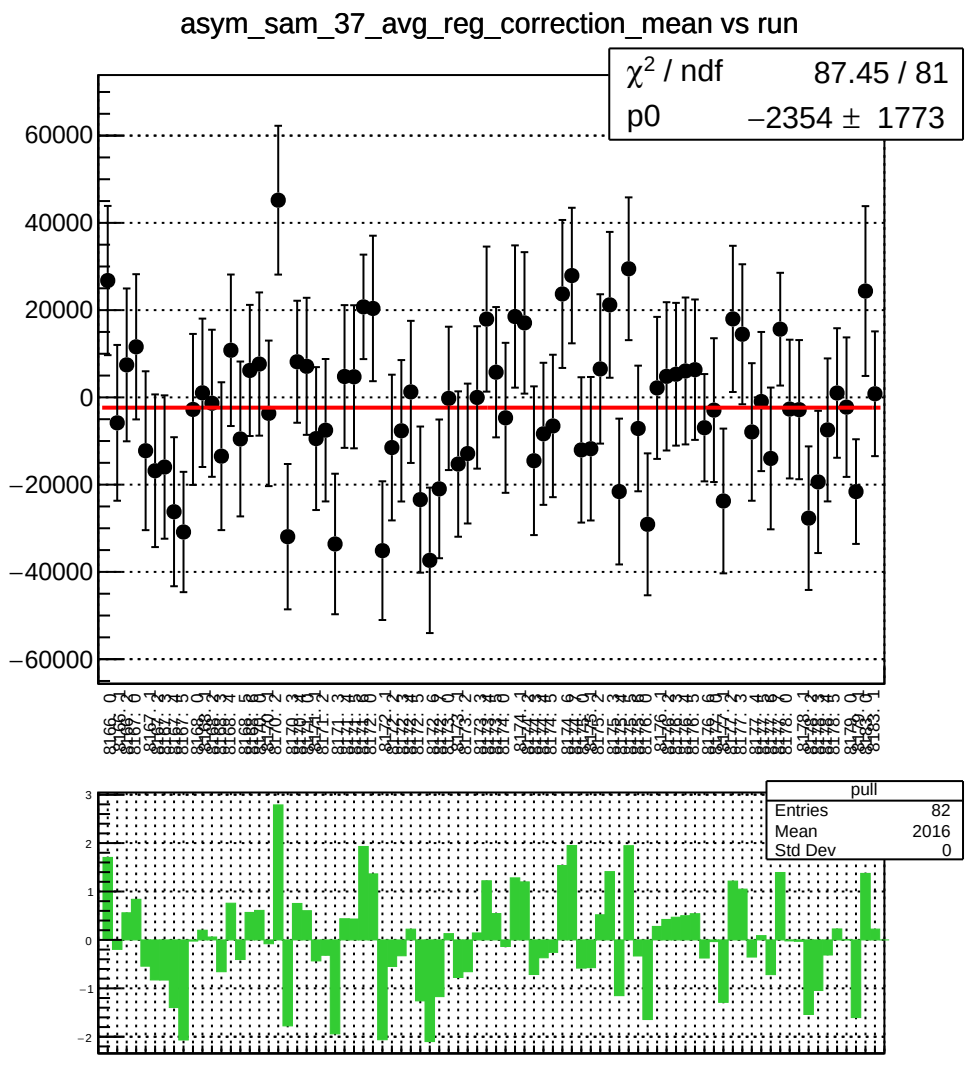

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109.1 / 81
p0 1.791e−13 ± 6.497e−14
pull
Entries 82
Mean 110.1
Std Dev 0

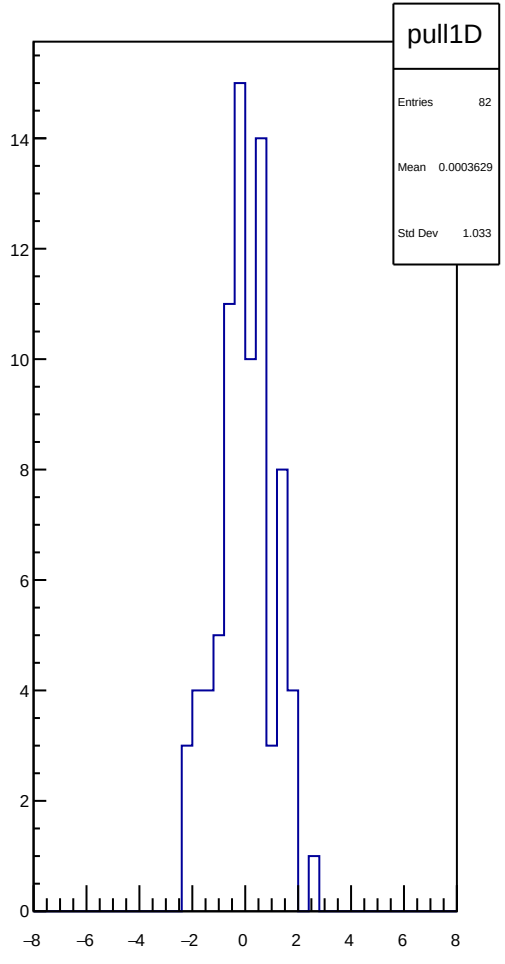

pull1D
Entries 82
Mean 0.09308
Std Dev 1.15

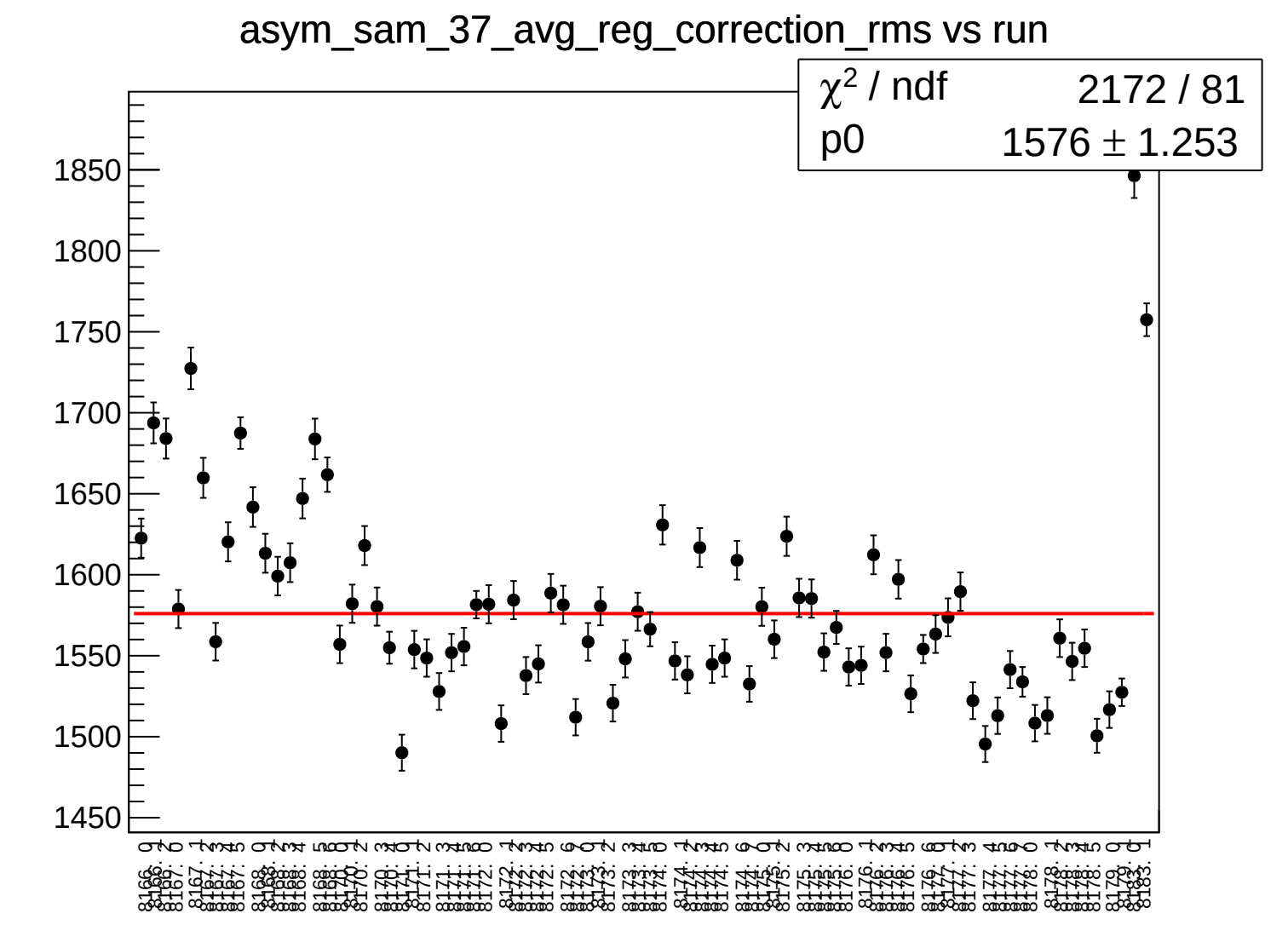

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.561e+05 / 81
p0 4.877e−11 ± 4.594e−14
0.3
0.25
0.2
0.15
0.1
0.05

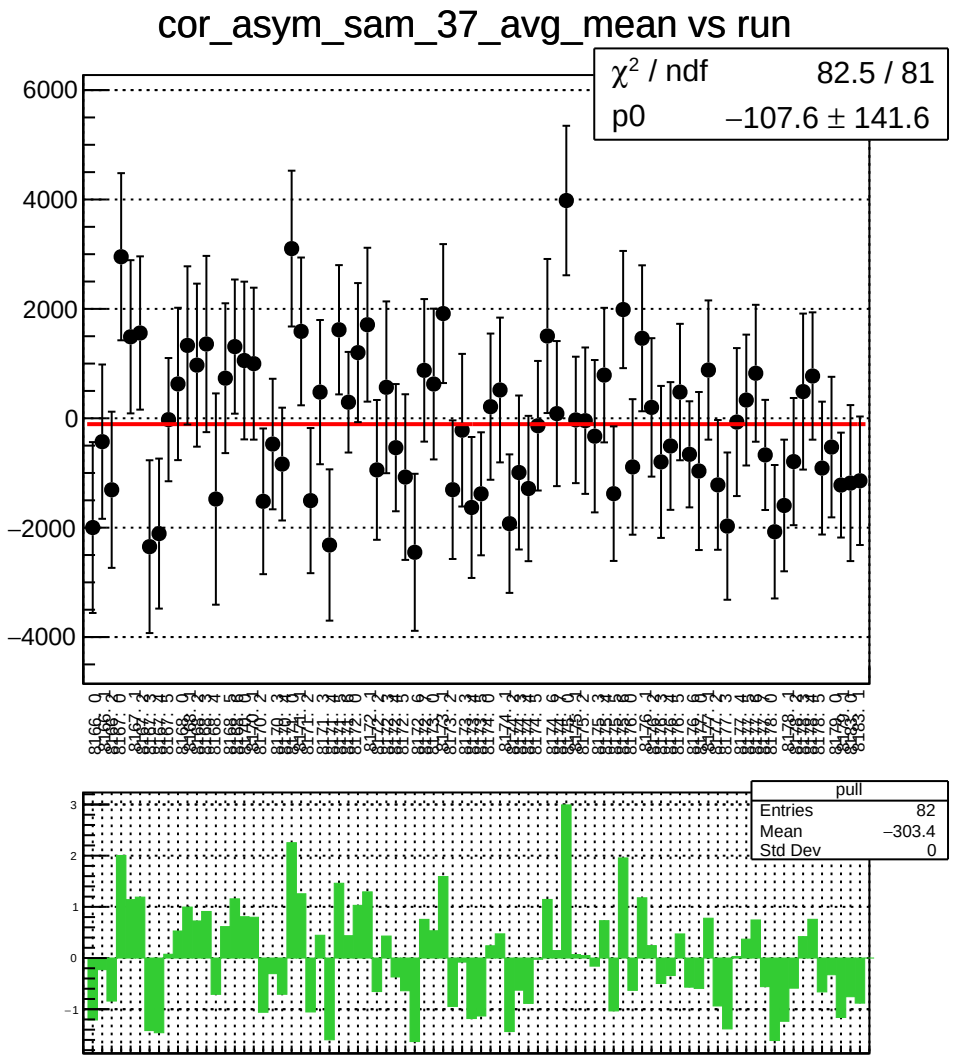

reg_asym_sam_37_avg_mean vs run
χ² / ndf 82.51 / 81
p0 −107.6 ± 141.6
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −303.5
Std Dev 0
pull1D
Entries 82
Mean 0.01311
Std Dev 1.003

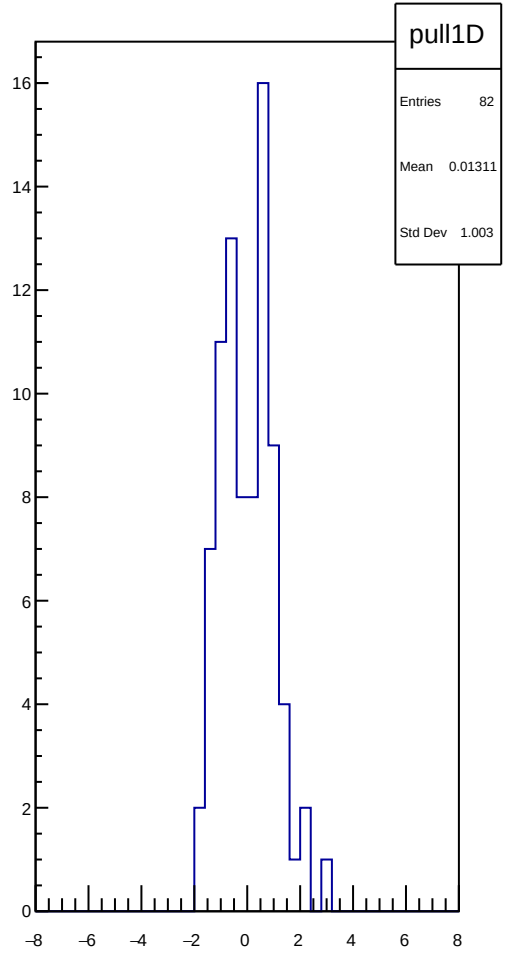

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.158e+04 / 81
p0 125.5 ± 0.1002
190
180
170
160
150
140
130
120
110

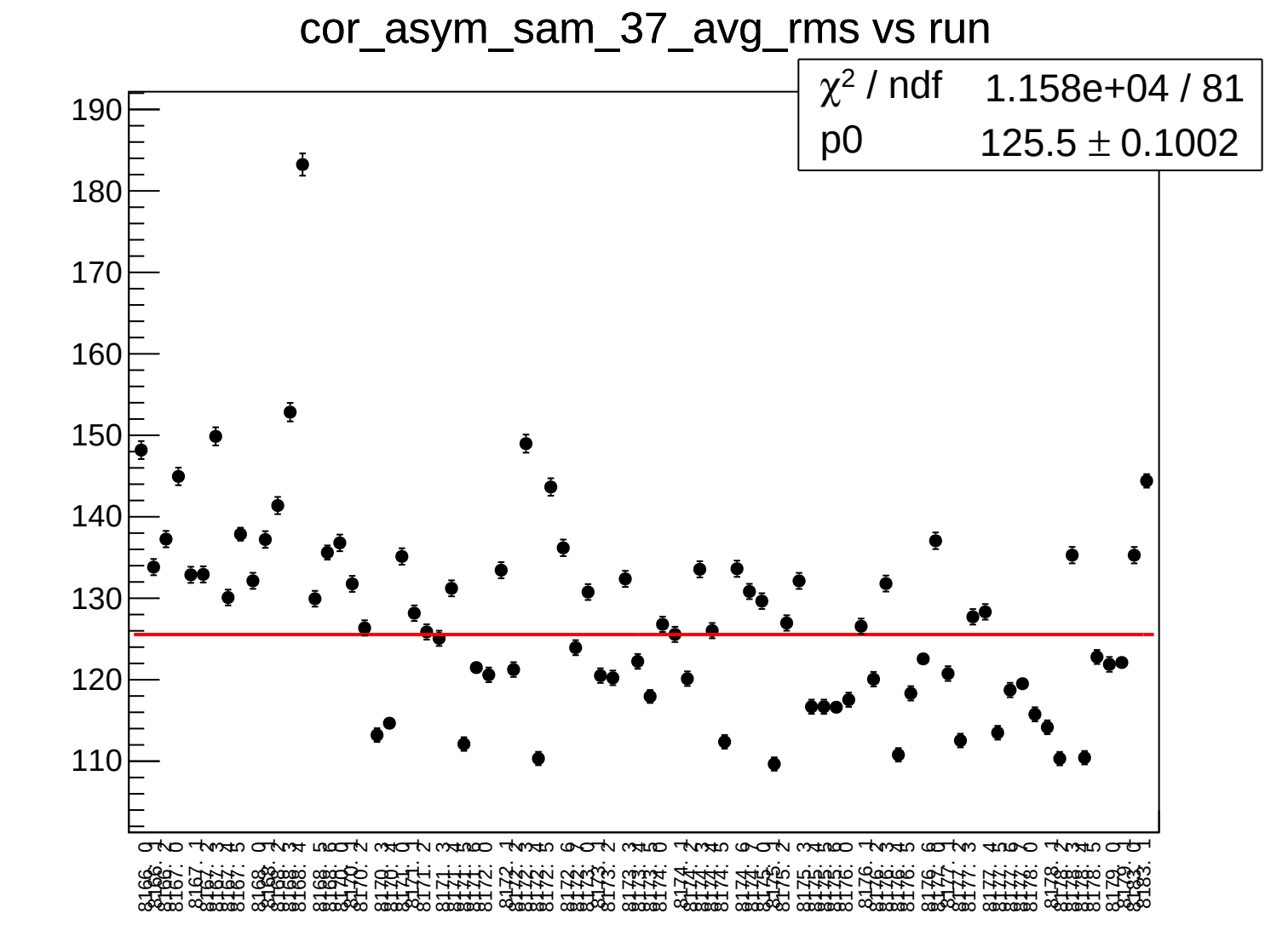

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 87.45 / 81
p0 −2354 ± 1773
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 2016
Std Dev 0
3
2
1
0
−1
−2

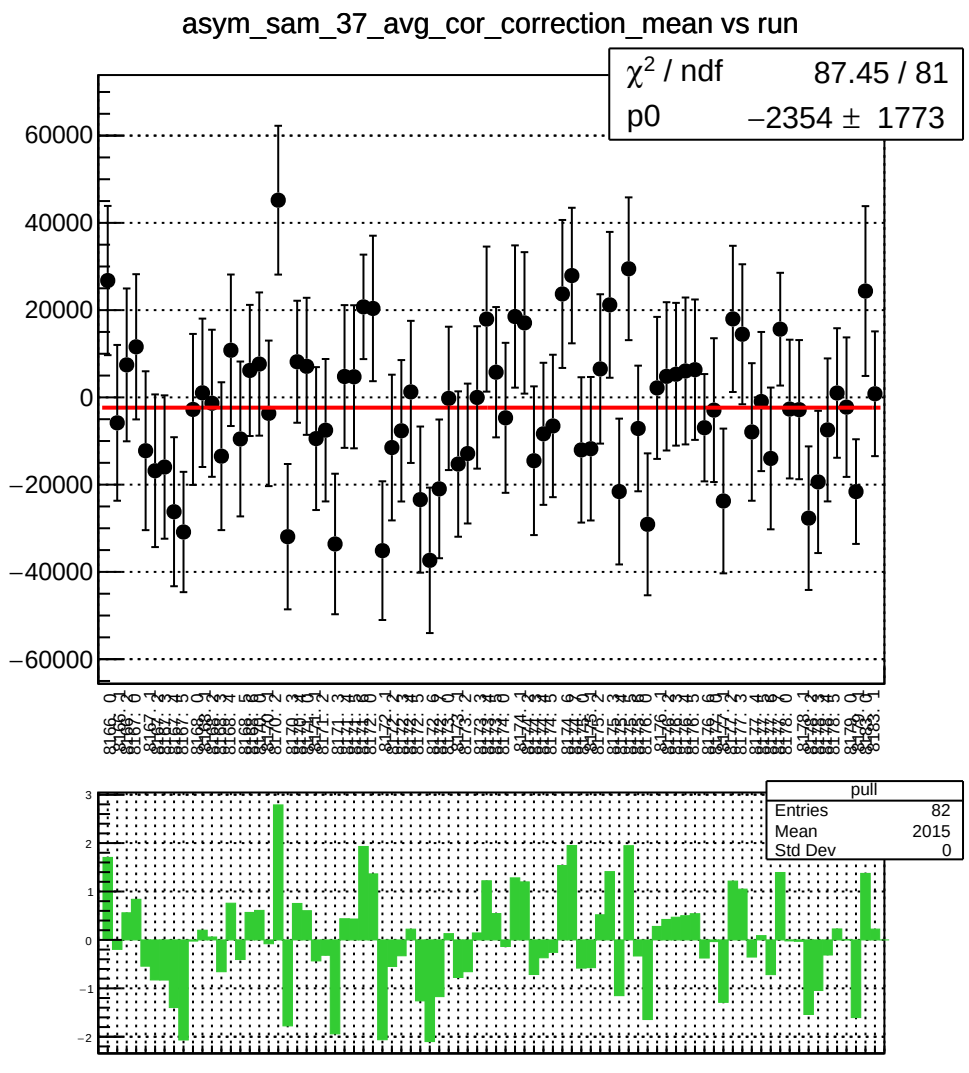

pull1D
Entries 82
Mean 0.0003629
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

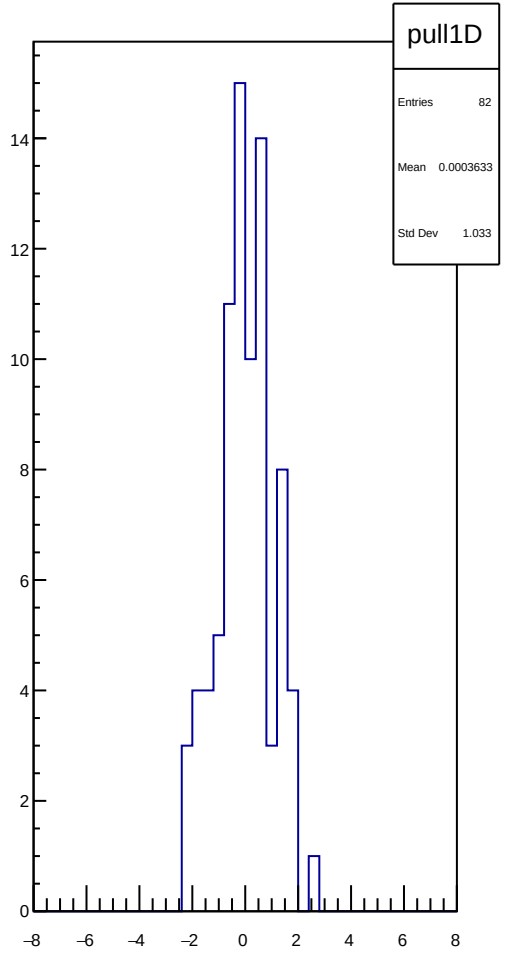

asym_sam_37_avg_reg_correction_rms vs run
χ^2 / ndf 2172 / 81
p0 1576 ± 1.253
1850
1800
1750
1700
1650
1600
1550
1500
1450

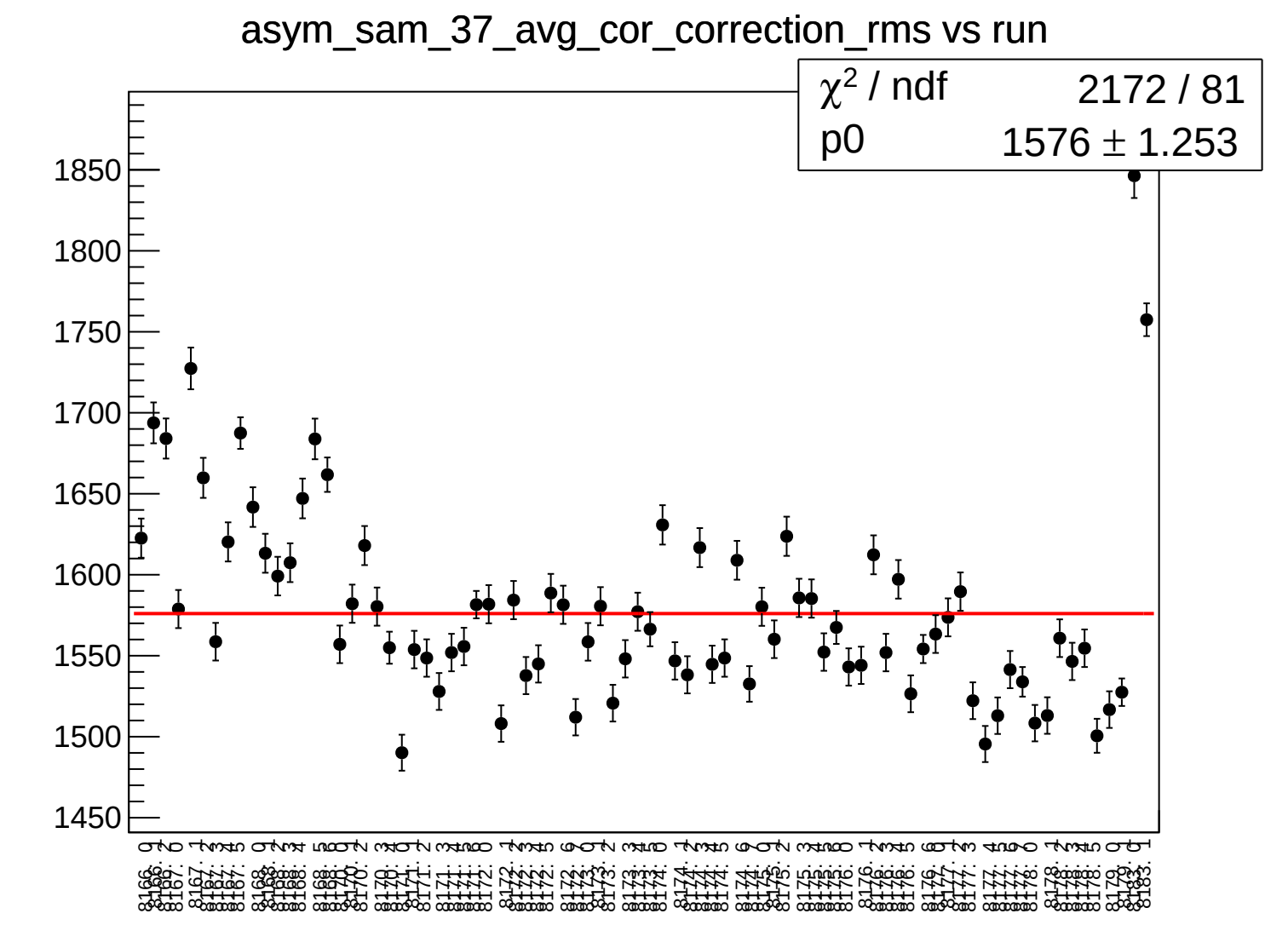

cor_asym_sam_37_avg_mean vs run
χ² / ndf 82.5 / 81
p0 −107.6 ± 141.6
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −303.4
Std Dev 0
3
2
1
0
−1

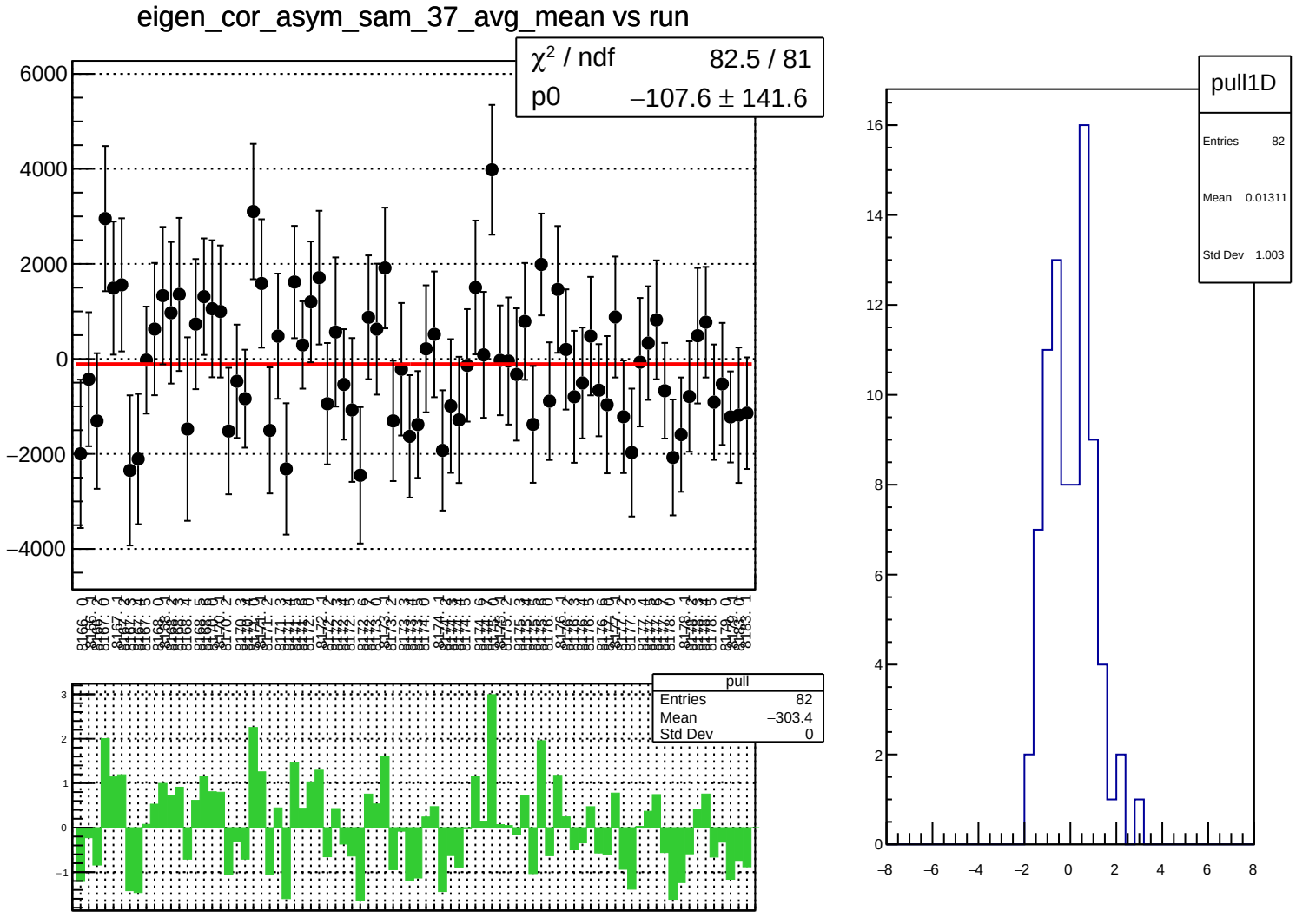

pull1D
Entries 82
Mean 0.01311
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

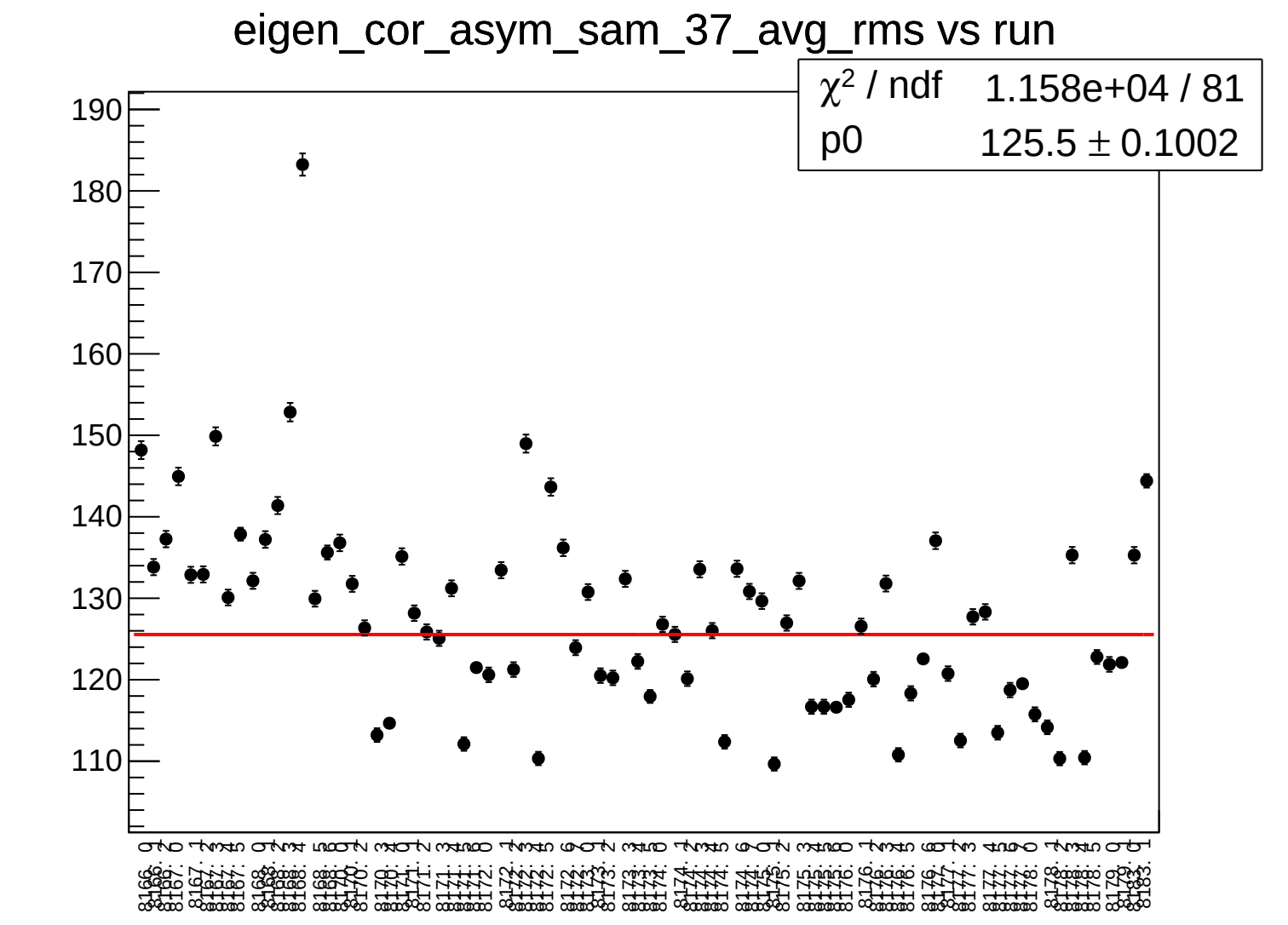

cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.158e+04 / 81
p0 125.5 ± 0.1002
190
180
170
160
150
140
130
120
110

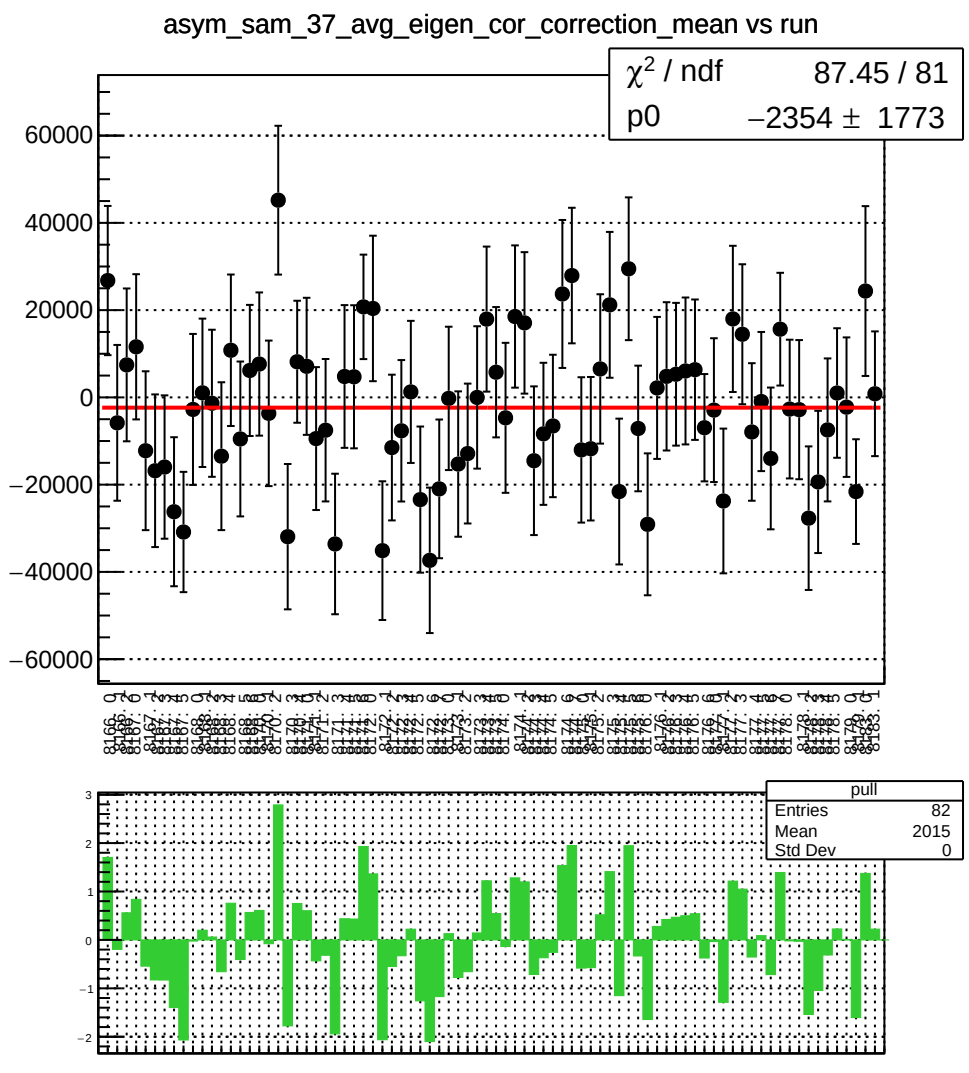

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 87.45 / 81
p0 −2354 ± 1773
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 2015
Std Dev 0
3
2
1
0
−1
−2

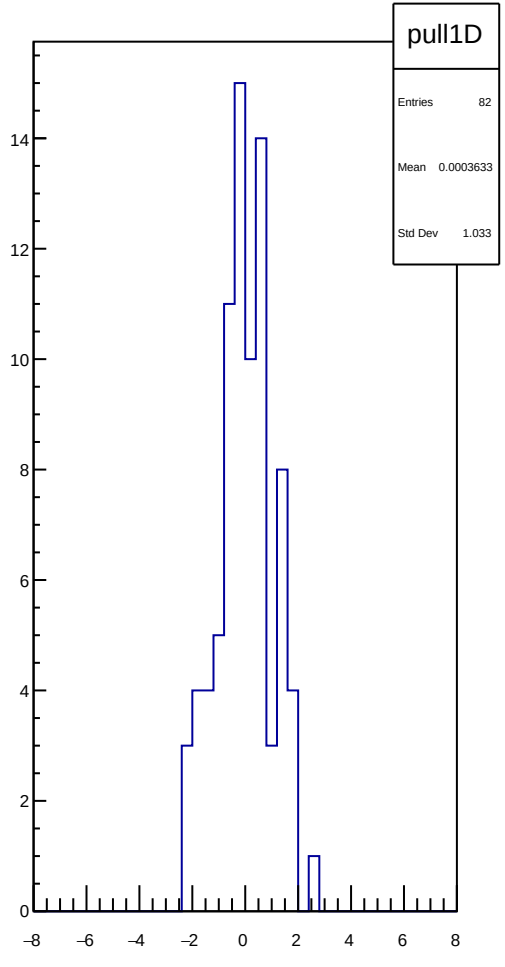

pull1D
Entries 82
Mean 0.0003633
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

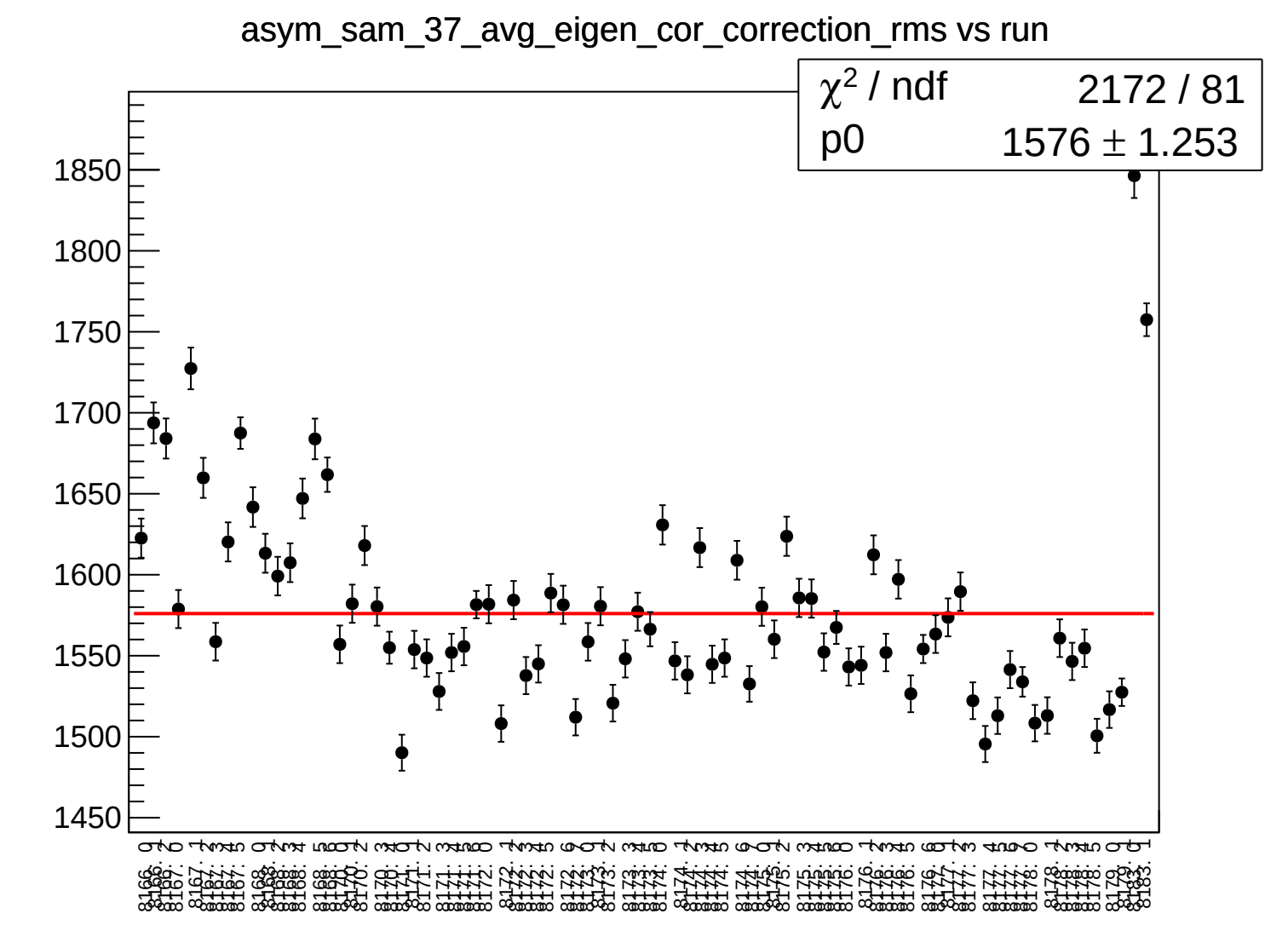

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 2172 / 81
p0 1576 ± 1.253
1850
1800
1750
1700
1650
1600
1550
1500
1450

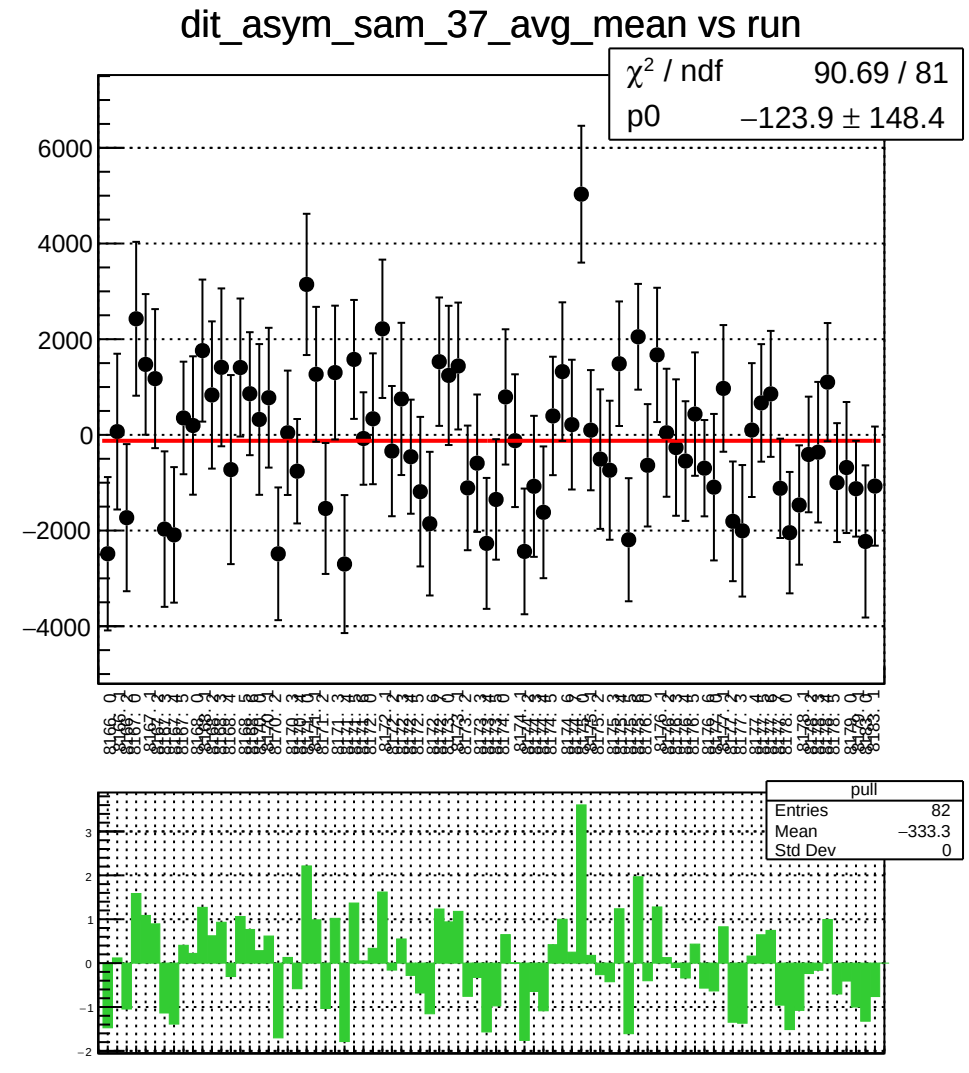

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 82.5 / 81
p0 −107.6 ± 141.6
pull
Entries 82
Mean −303.4
Std Dev 0
pull1D
Entries 82
Mean 0.01311
Std Dev 1.003

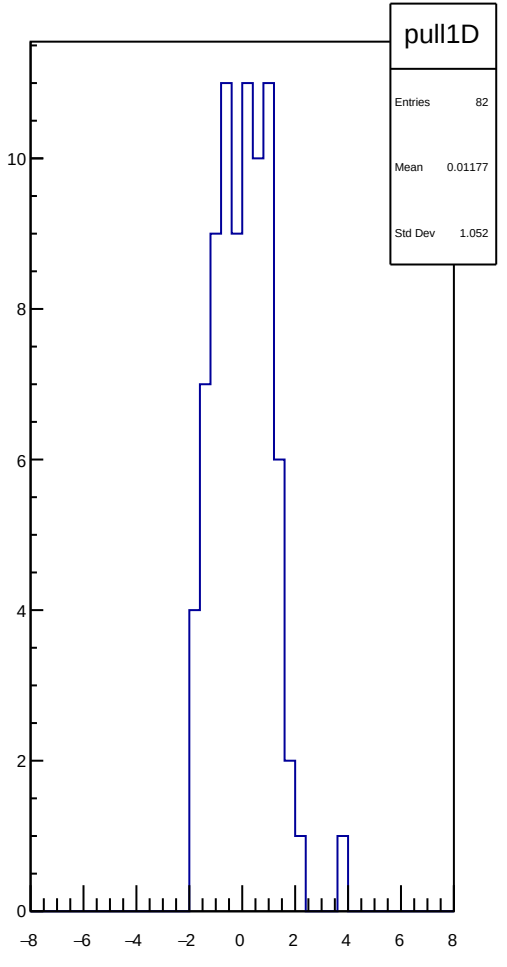

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 1.158e+04 / 81
p0 125.5 ± 0.1002
190
180
170
160
150
140
130
120
110

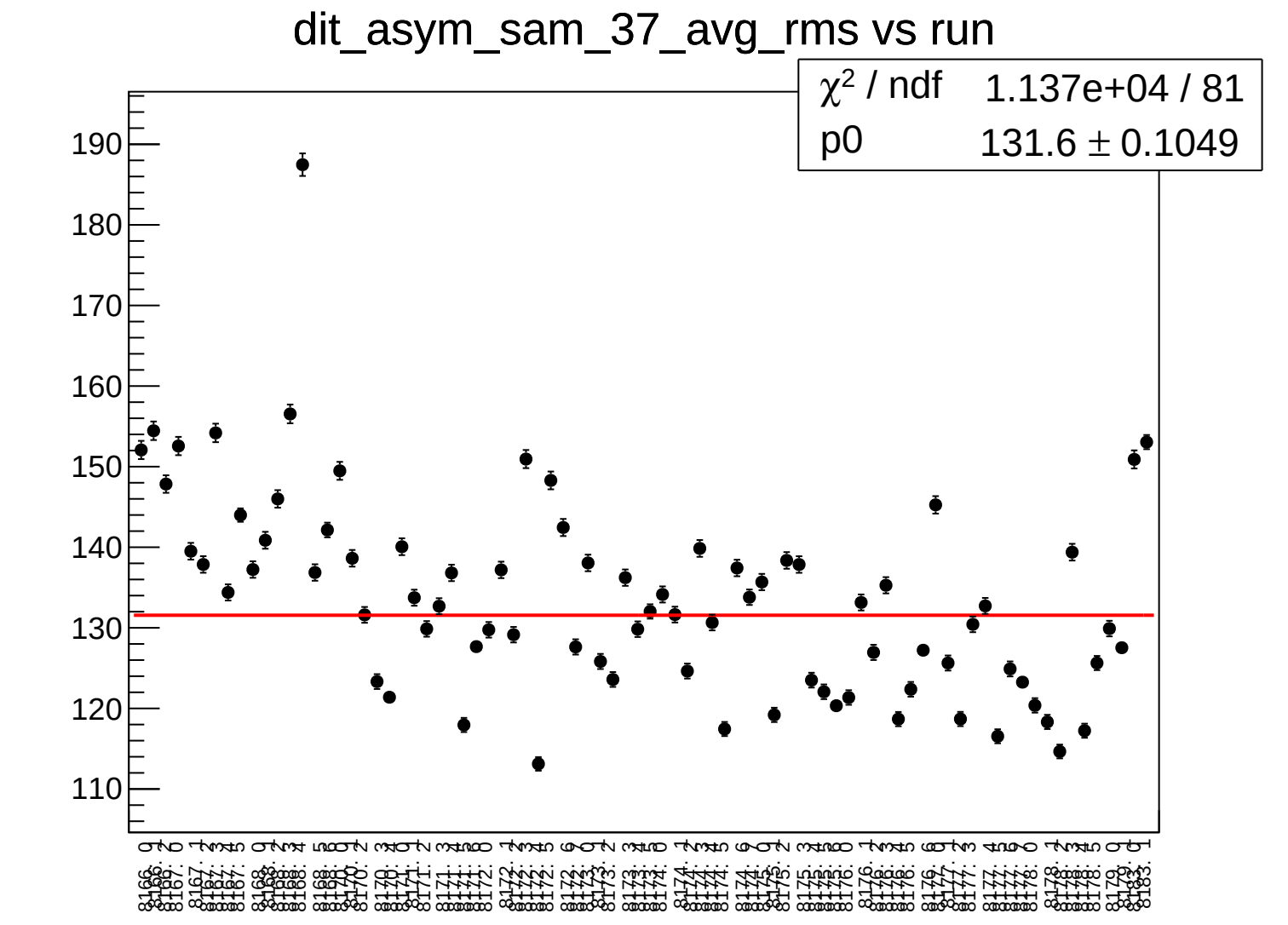

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 87.45 / 81
p0 −2354 ± 1773
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 2015
Std Dev 0
3
2
1
0
−1
−2

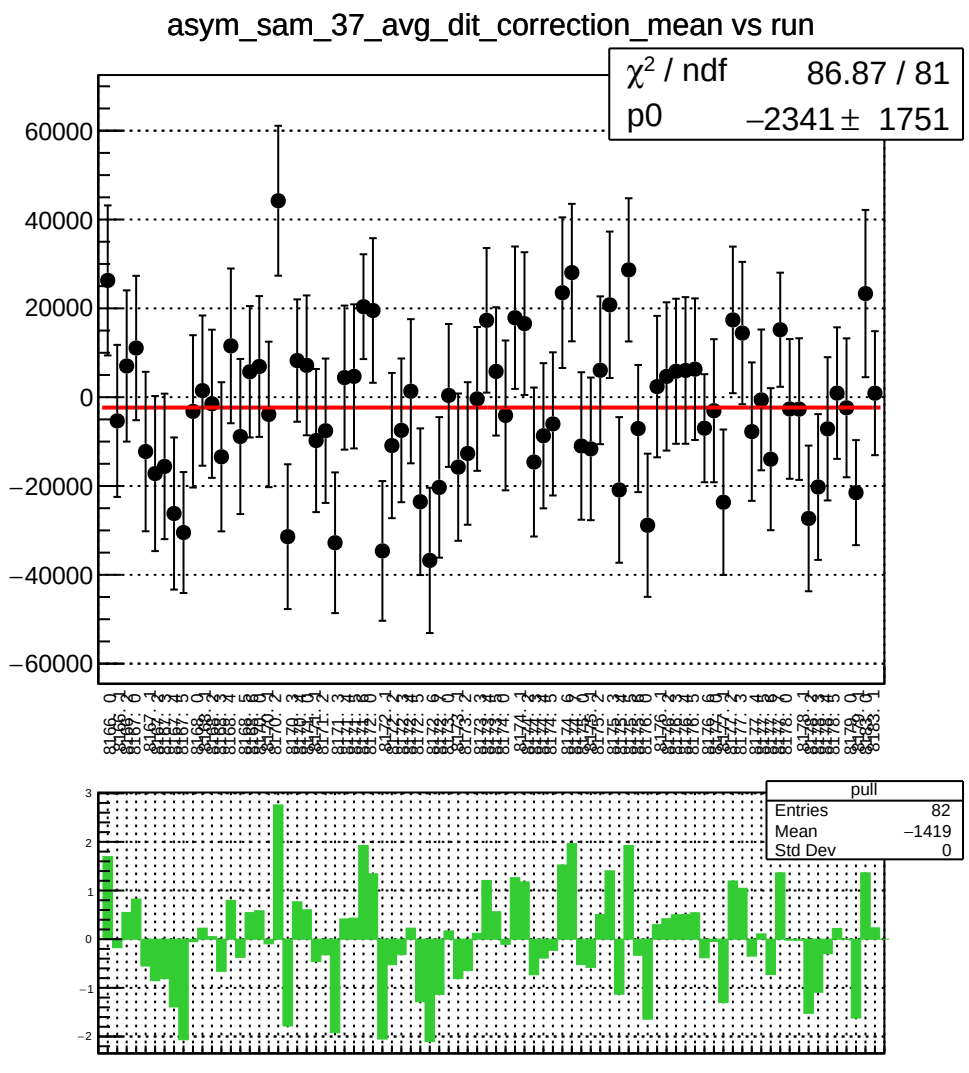

pull1D
Entries 82
Mean 0.0003633
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

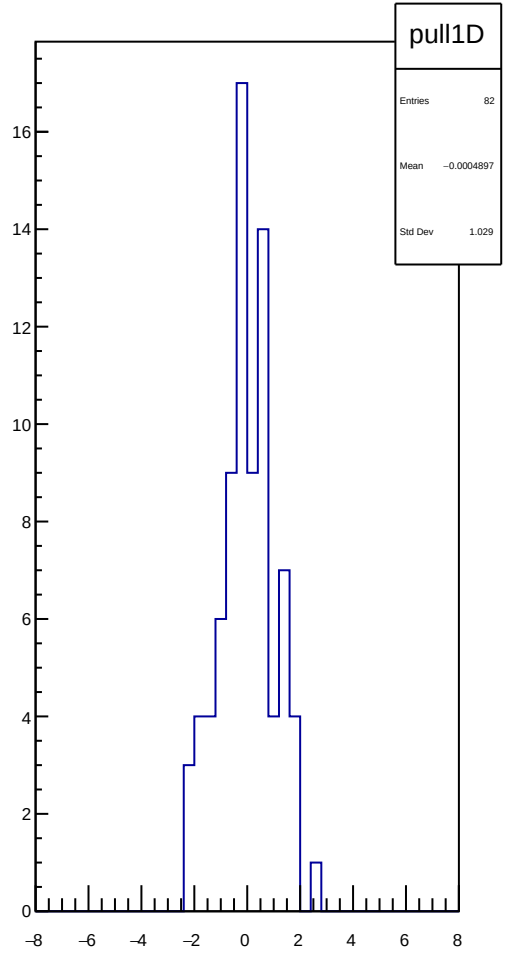

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ^2 / ndf 2172 / 81
p0 1576 ± 1.253
1850
1800
1750
1700
1650
1600
1550
1500
1450

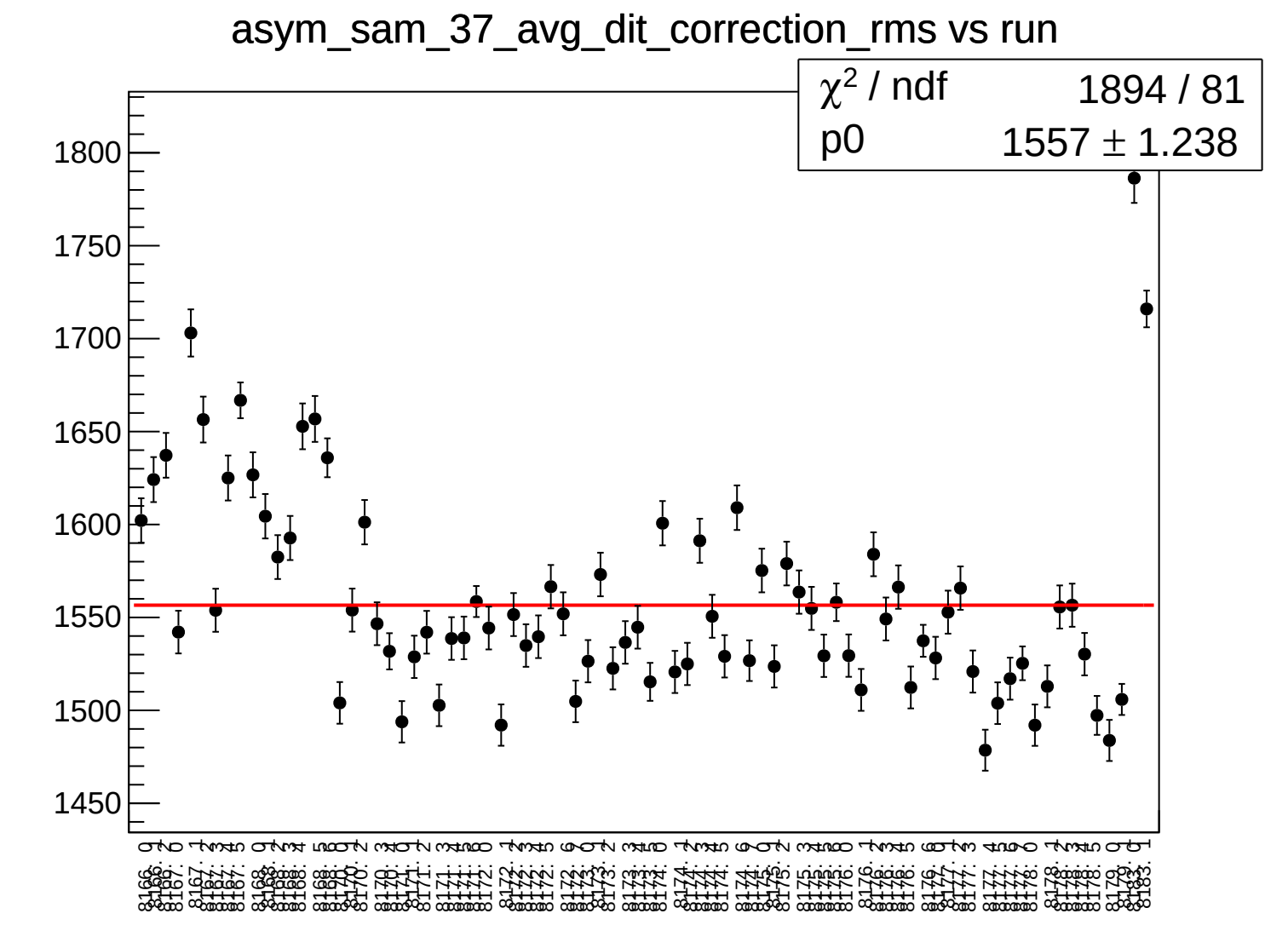

dit_asym_sam_37_avg_mean vs run
χ² / ndf 90.69 / 81
p0 −123.9 ± 148.4
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −333.3
Std Dev 0
3
2
1
0
−1
−2

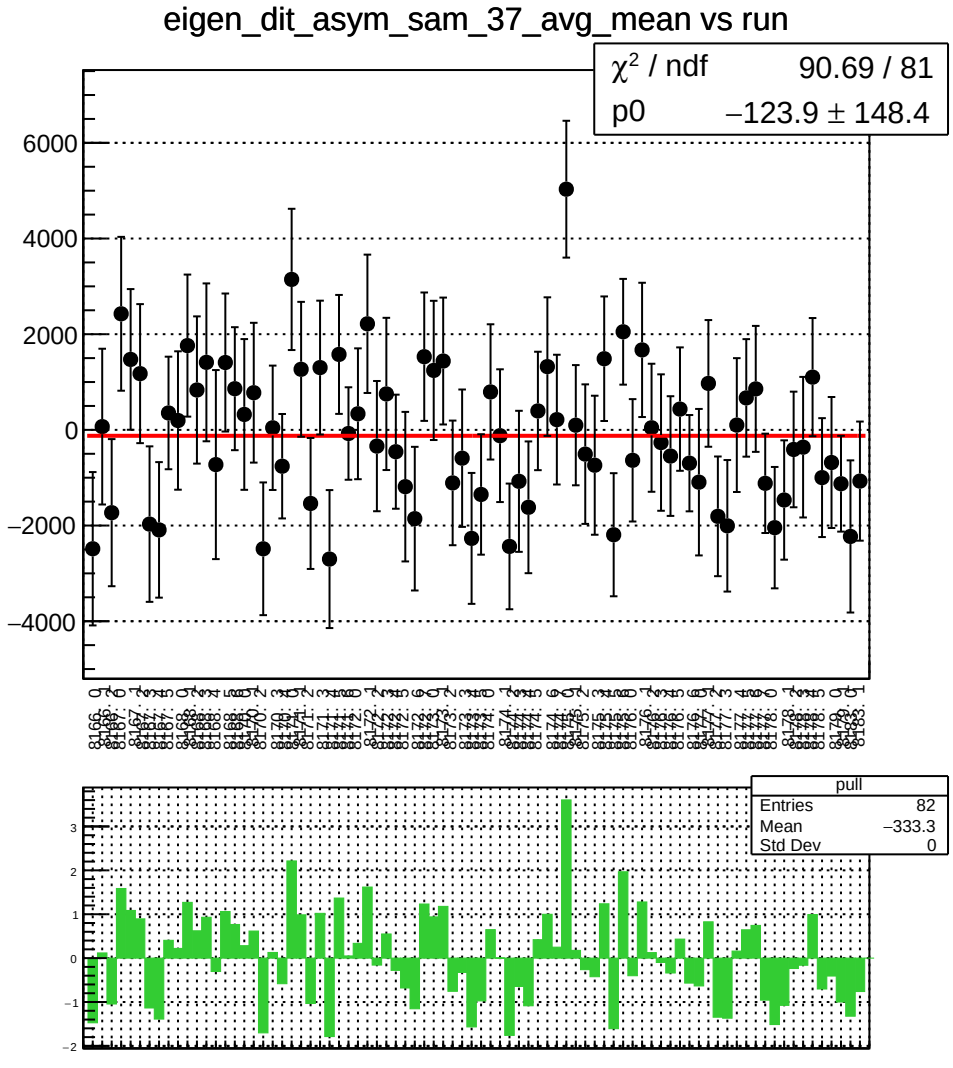

pull1D
Entries 82
Mean 0.01177
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

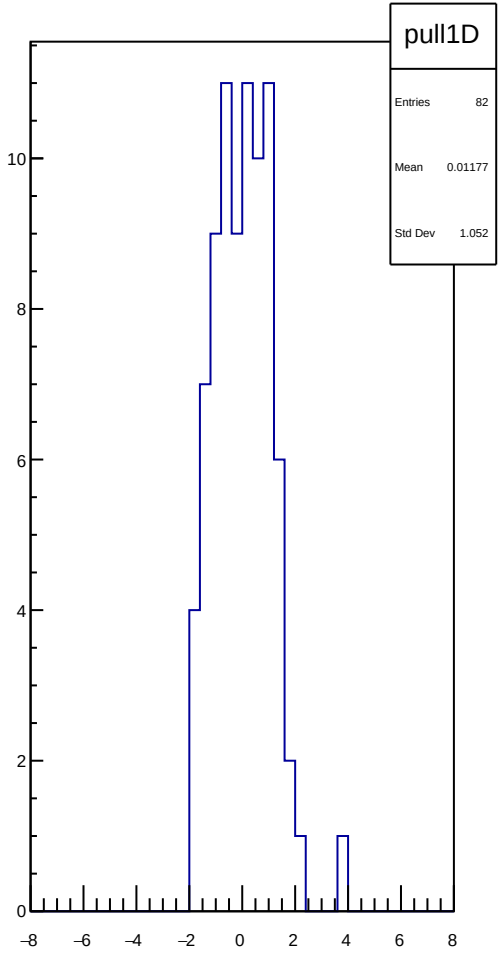

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.137e+04 / 81
p0 131.6 ± 0.1049
190
180
170
160
150
140
130
120
110

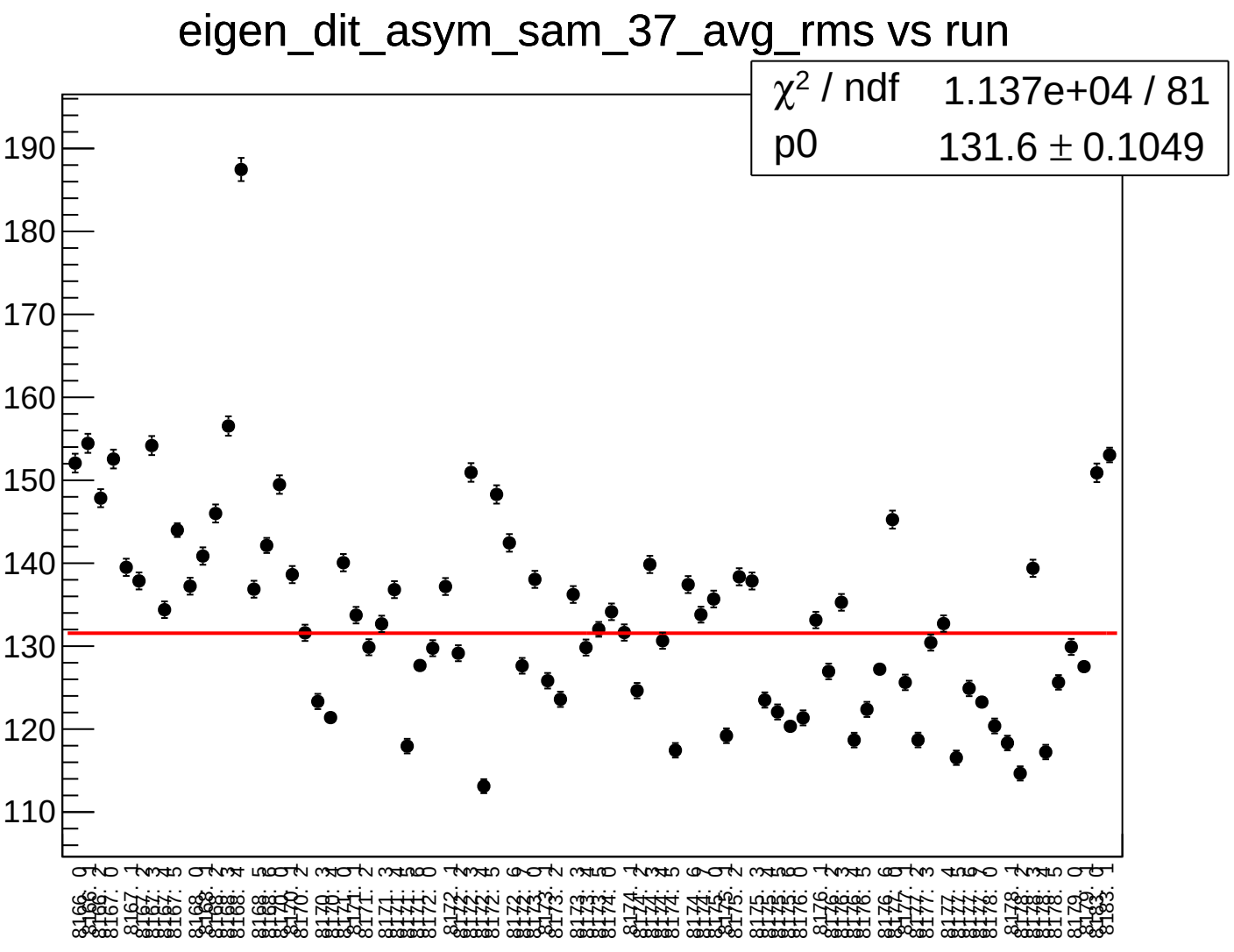

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 86.87 / 81
p0 −2341 ± 1751
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1419
Std Dev 0
3
2
1
0
−1
−2

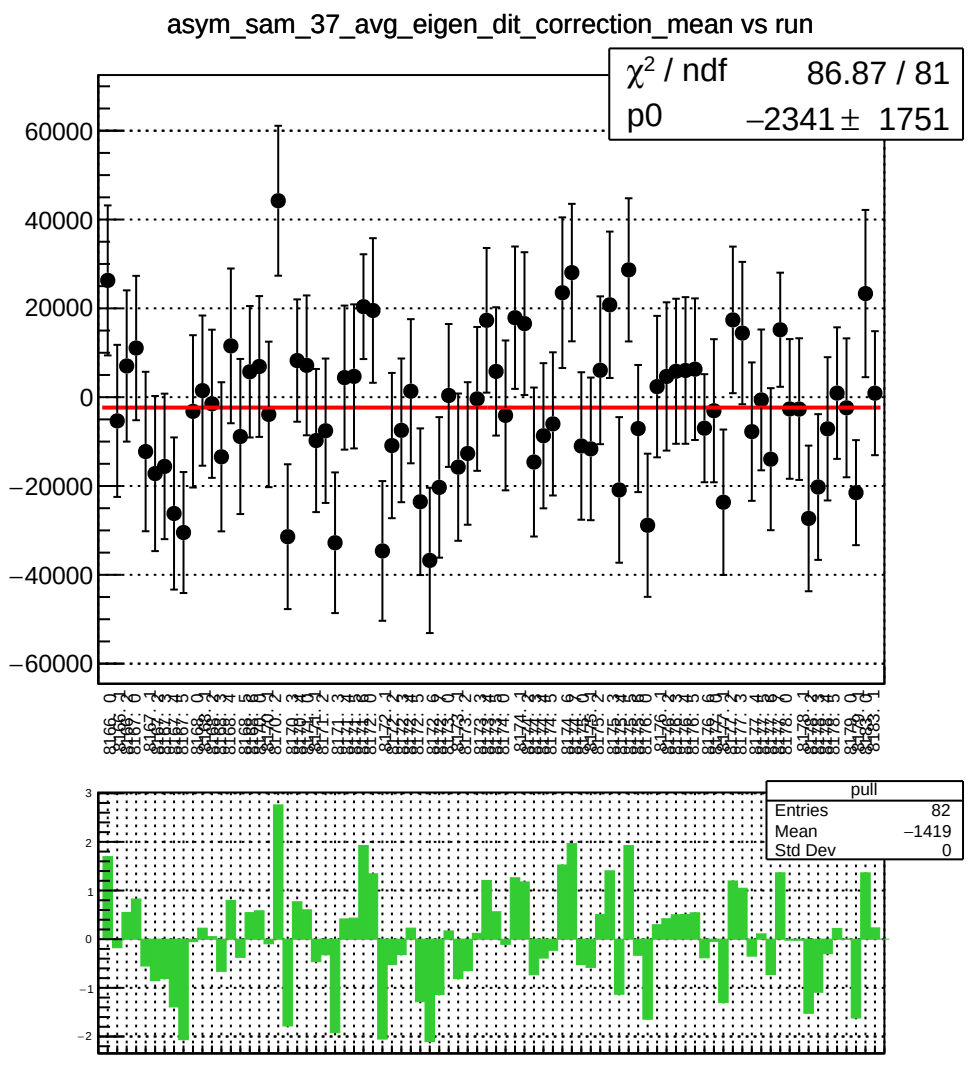

pull1D
Entries 82
Mean −0.0004897
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

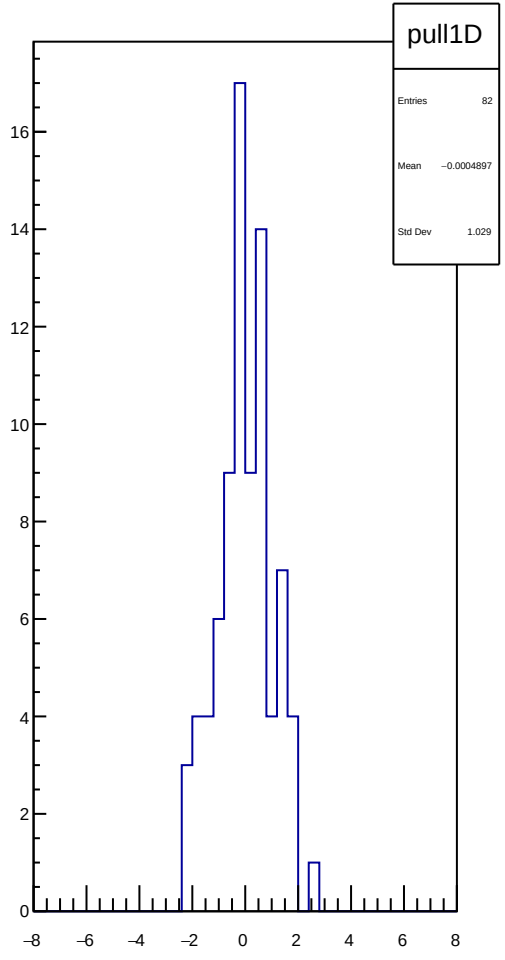

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 1894 / 81
p0 1557 ± 1.238
1800
1750
1700
1650
1600
1550
1500
1450


eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 90.69 / 81
p0 −123.9 ± 148.4
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −333.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 82
Mean 0.01177
Std Dev 1.052
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 1.137e+04 / 81
p0 131.6 ± 0.1049
190
180
170
160
150
140
130
120
110


asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 86.87 / 81
p0 −2341 ± 1751
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −1419
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 82
Mean −0.0004897
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
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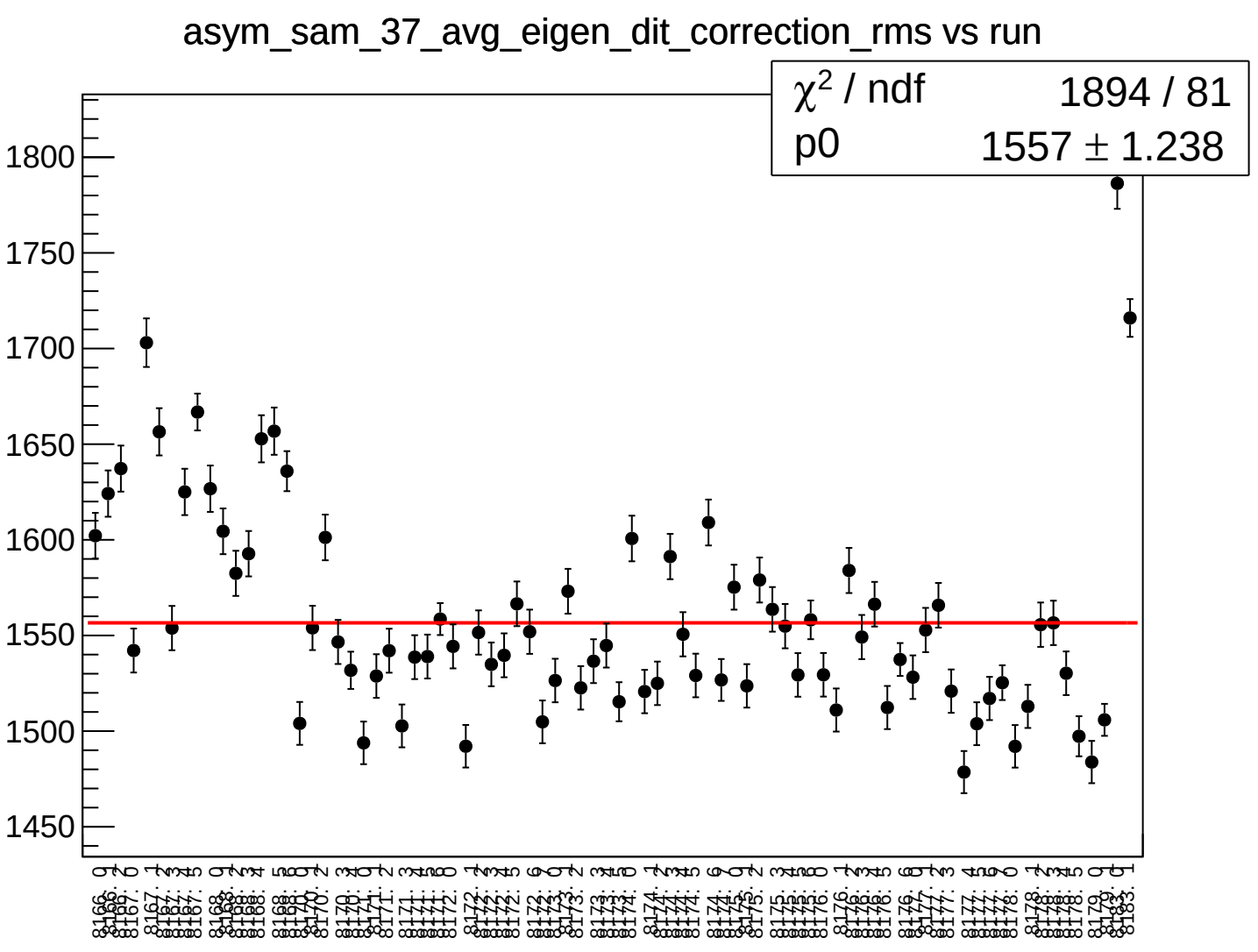
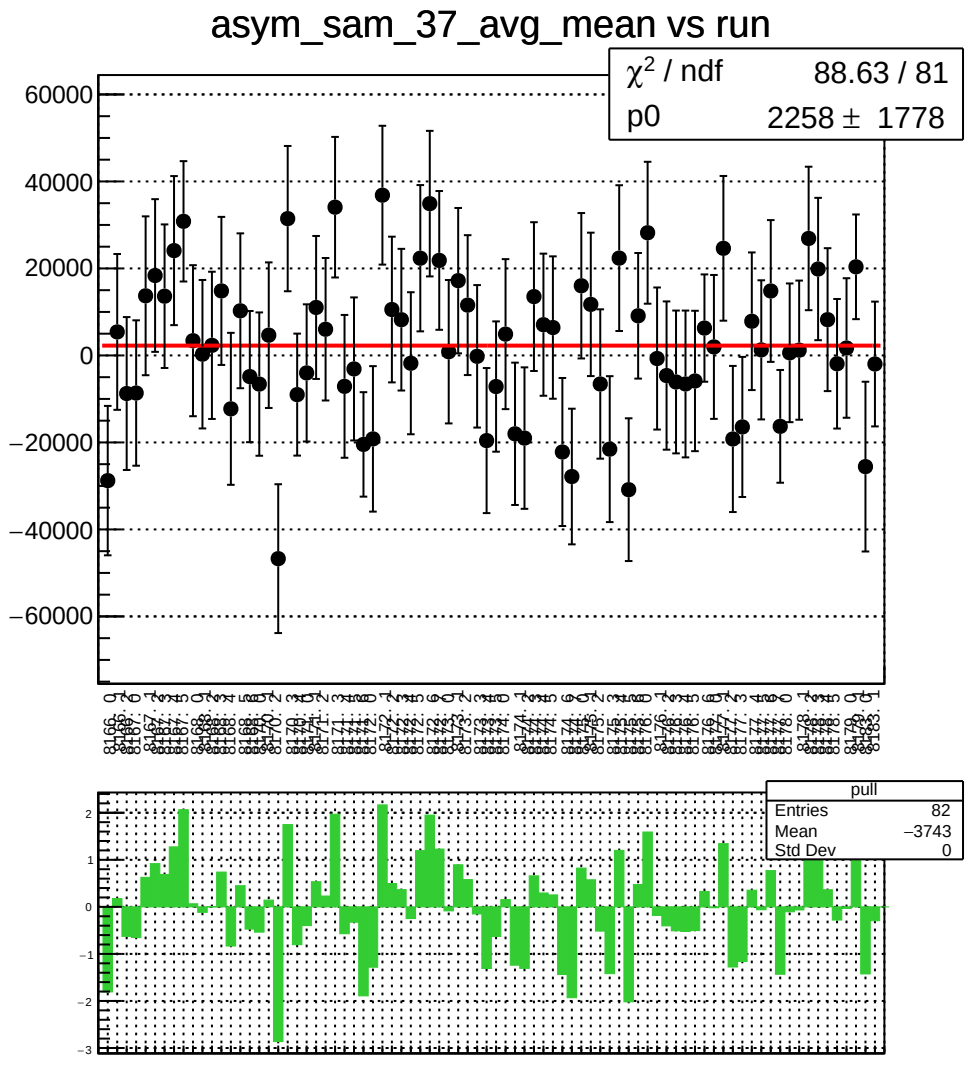
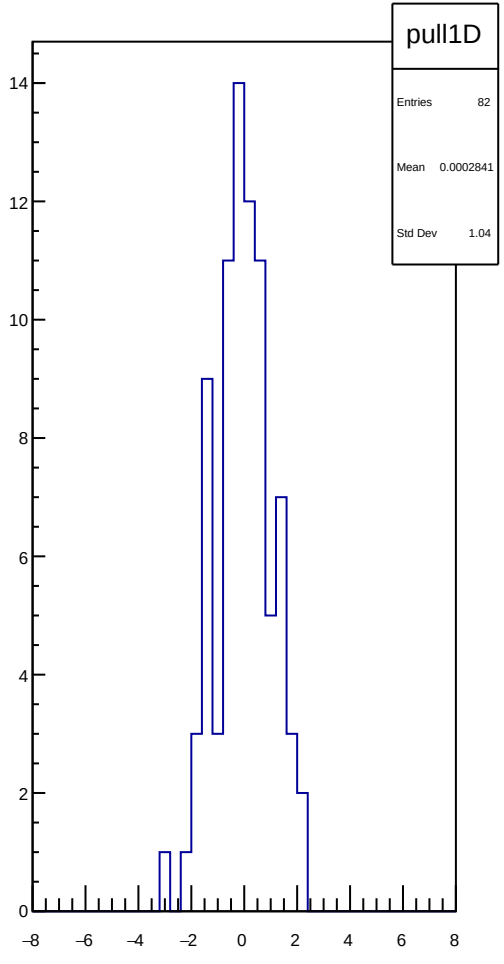
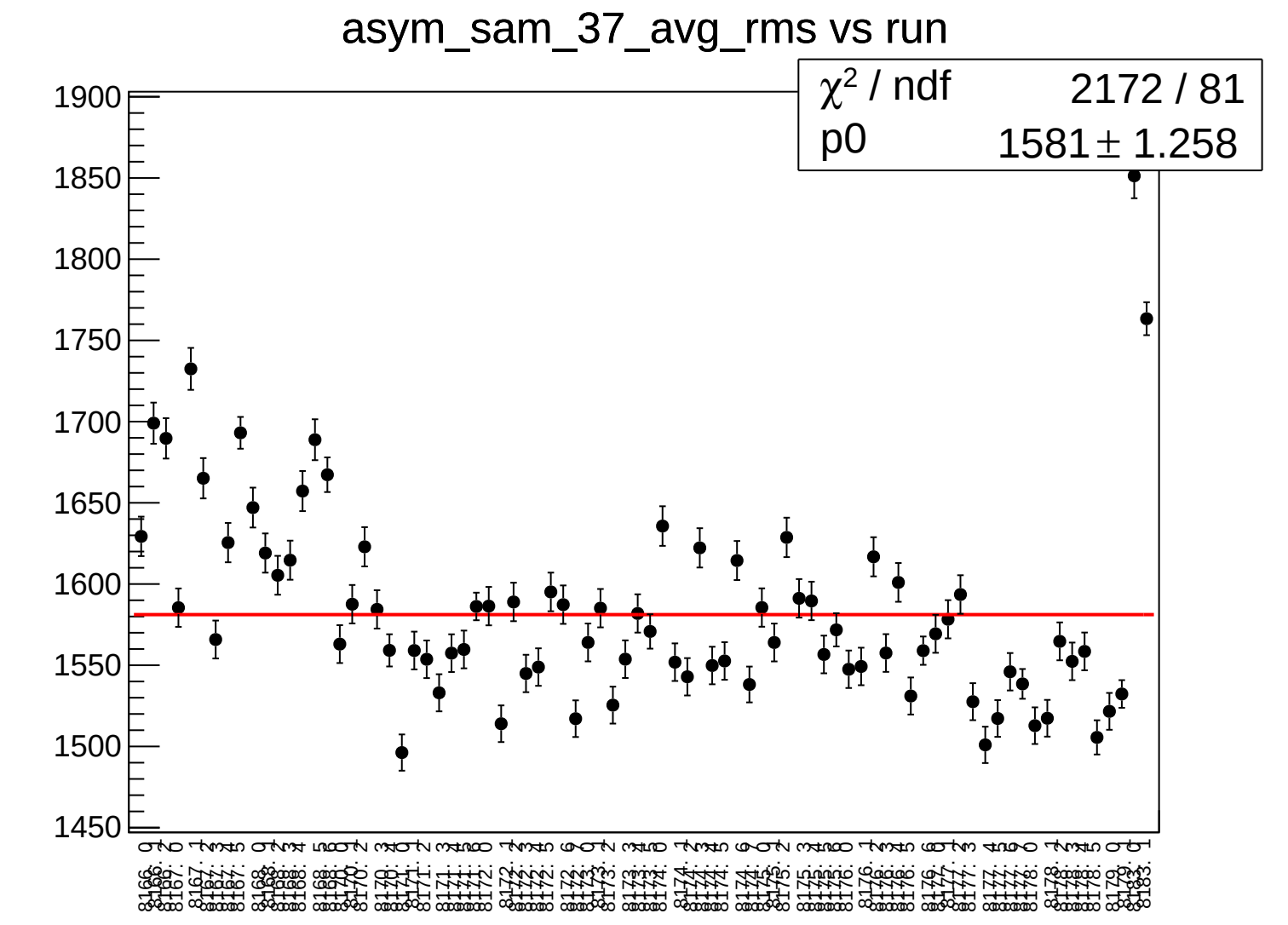
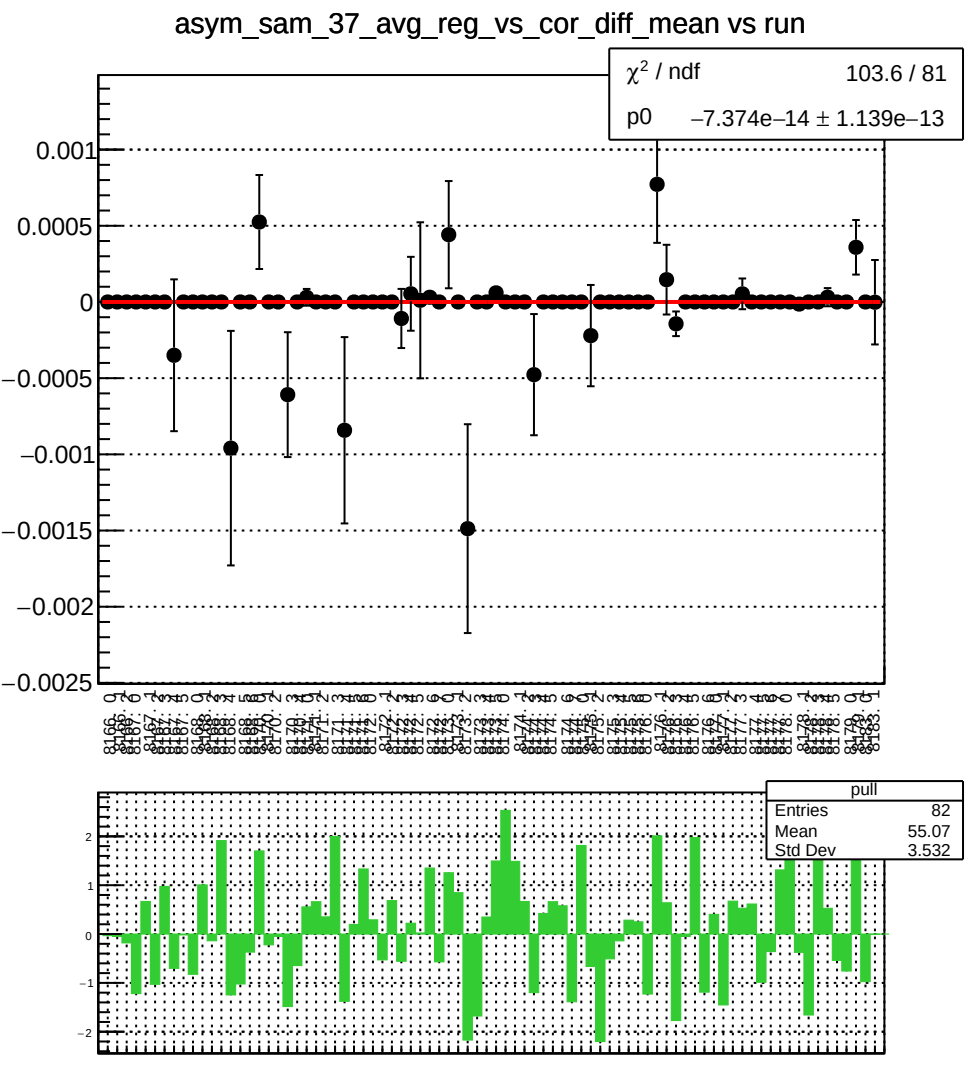
0
2
4
6
8

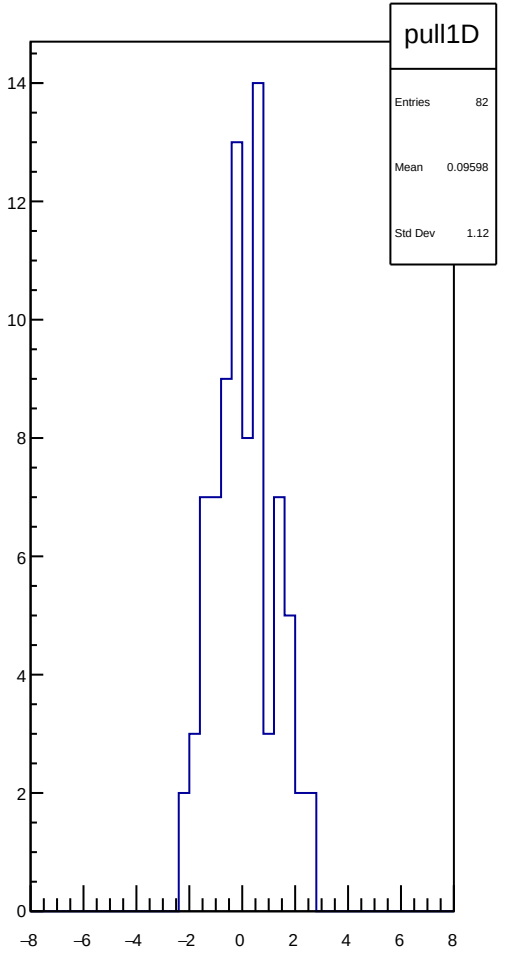

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 1894 / 81
p0 1557 ± 1.238
1800
1750
1700
1650
1600
1550
1500
1450

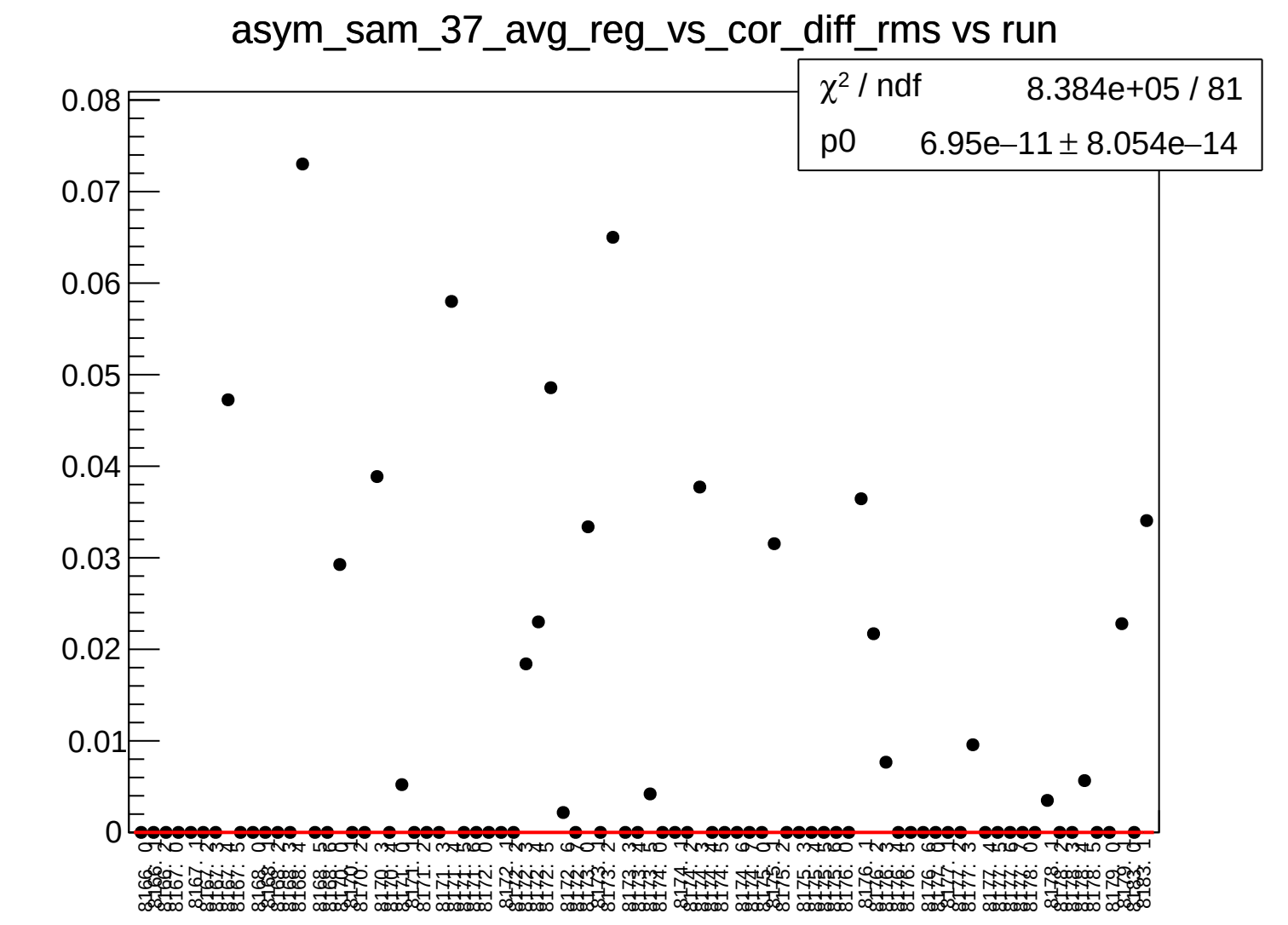

asym_sam_37_avg_mean vs run
χ² / ndf 88.63 / 81
p0 2258 ± 1778
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −3743
Std Dev 0
2
1
0
−1
−2
−3

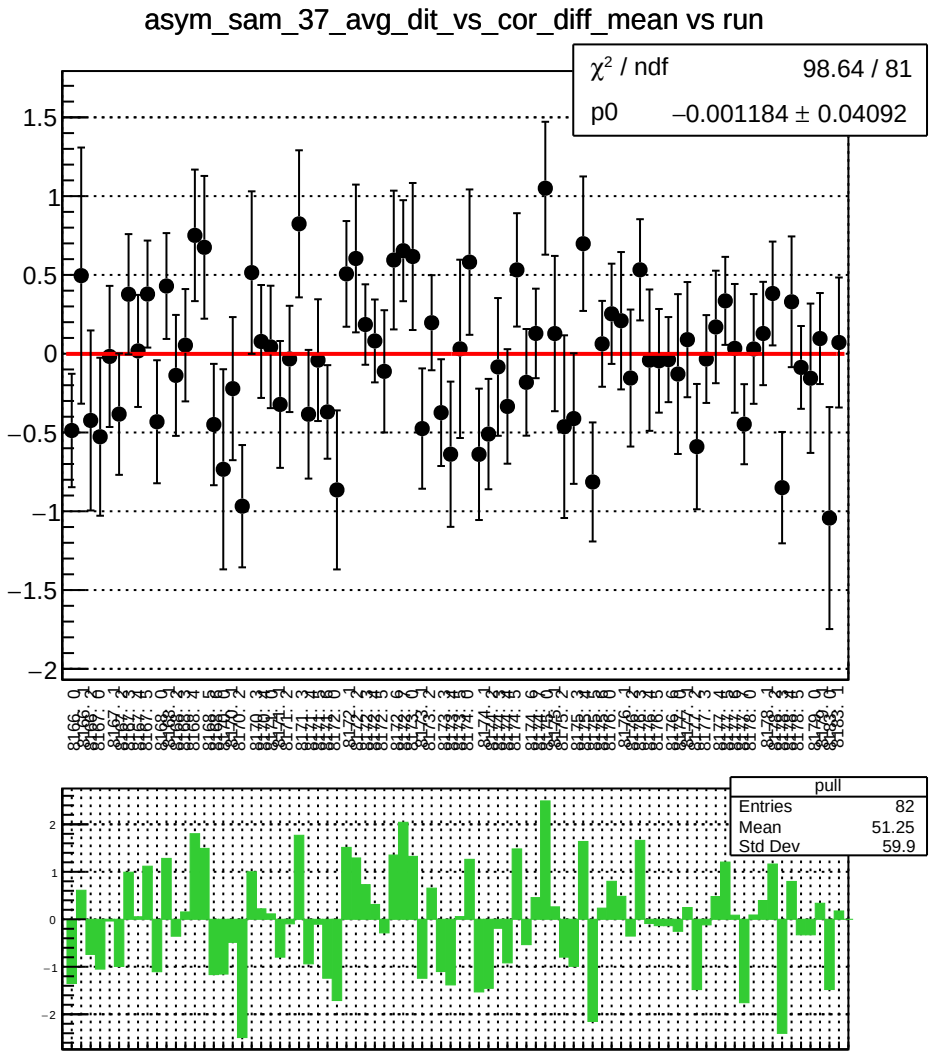

pull1D
Entries 82
Mean 0.0002841
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

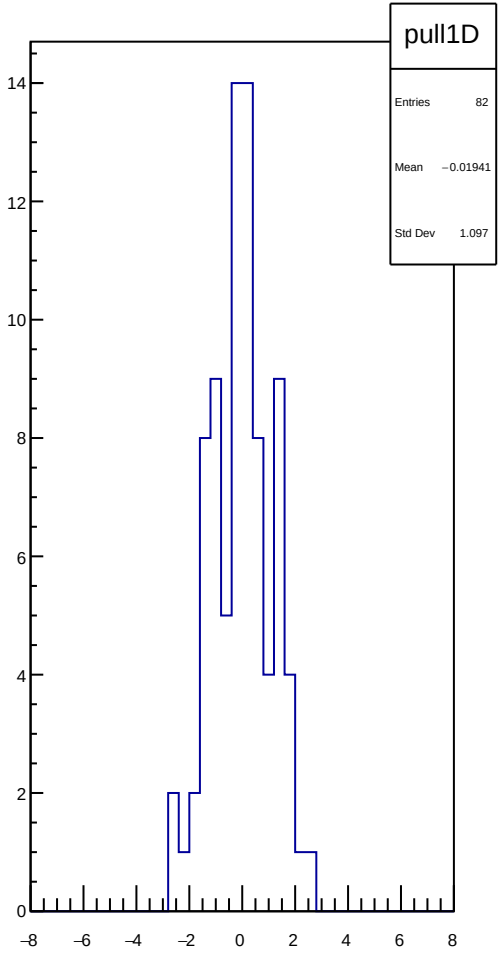

asym_sam_37_avg_rms vs run
χ² / ndf 2172 / 81
p0 1581 ± 1.258
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450

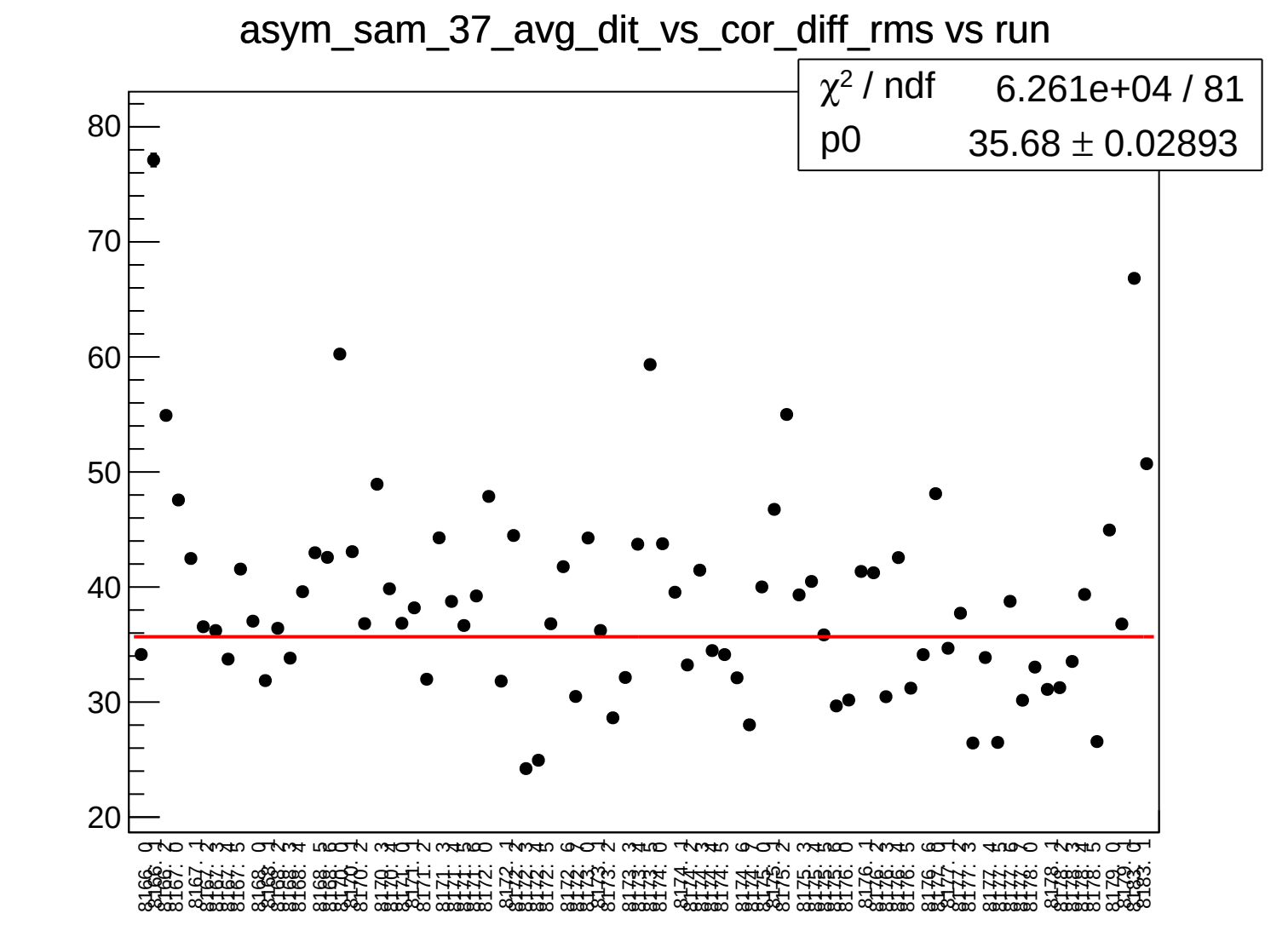

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 103.6 / 81
p0 −7.374e−14 ± 1.139e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 82
Mean 55.07
Std Dev 3.532
2
1
0
−1
−2

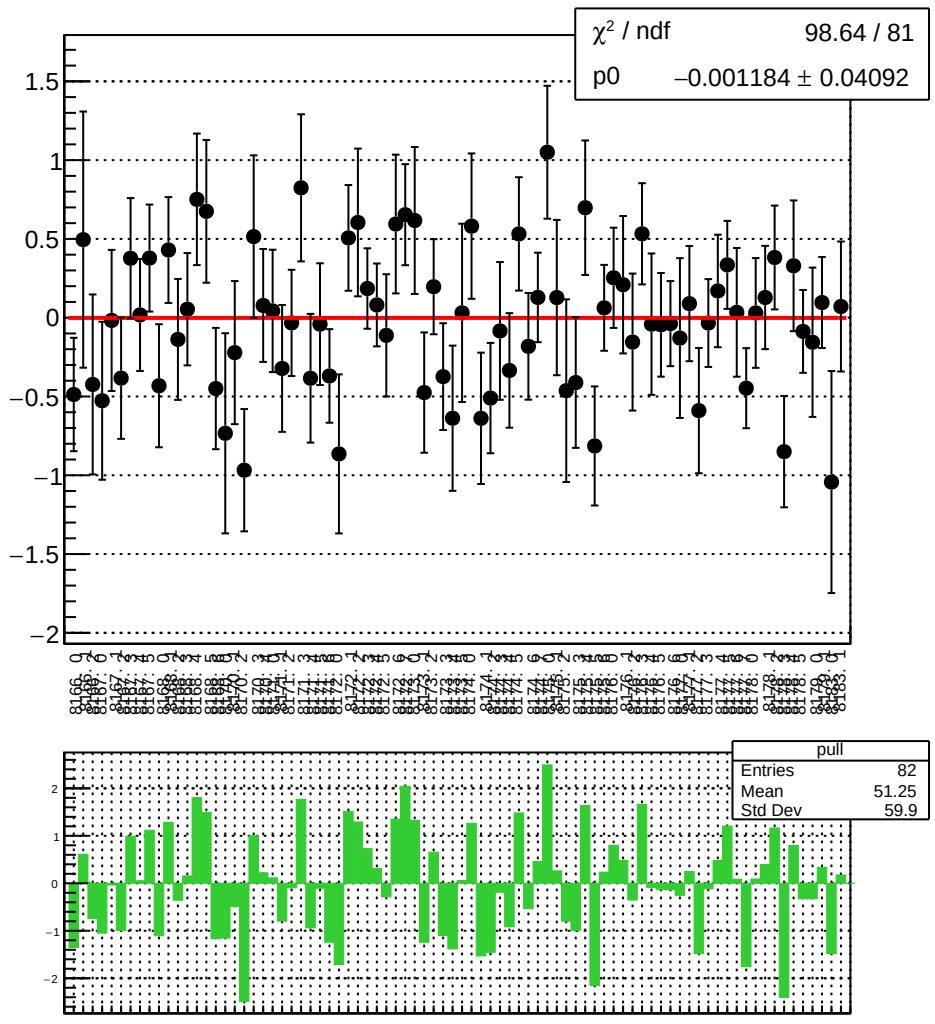

pull1D
Entries 82
Mean 0.09598
Std Dev 1.12
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

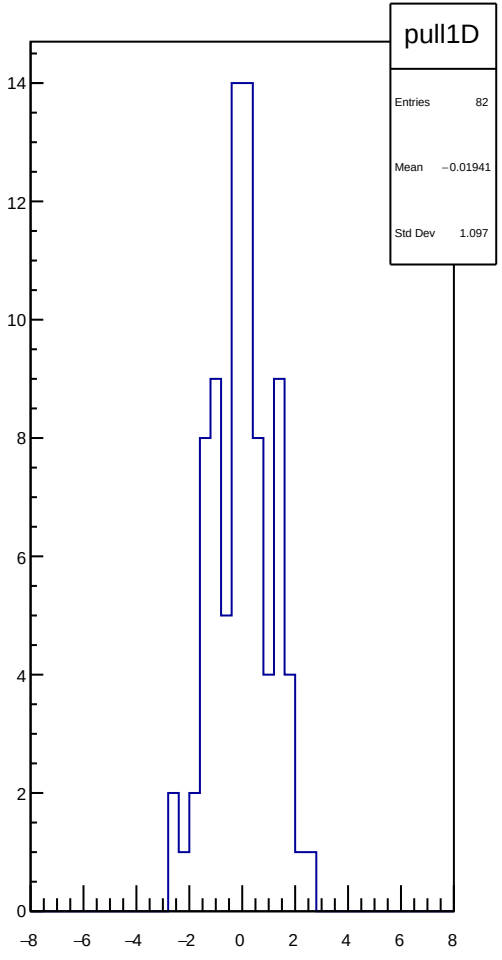

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.384e+05 / 81
p0 6.95e−11 ± 8.054e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

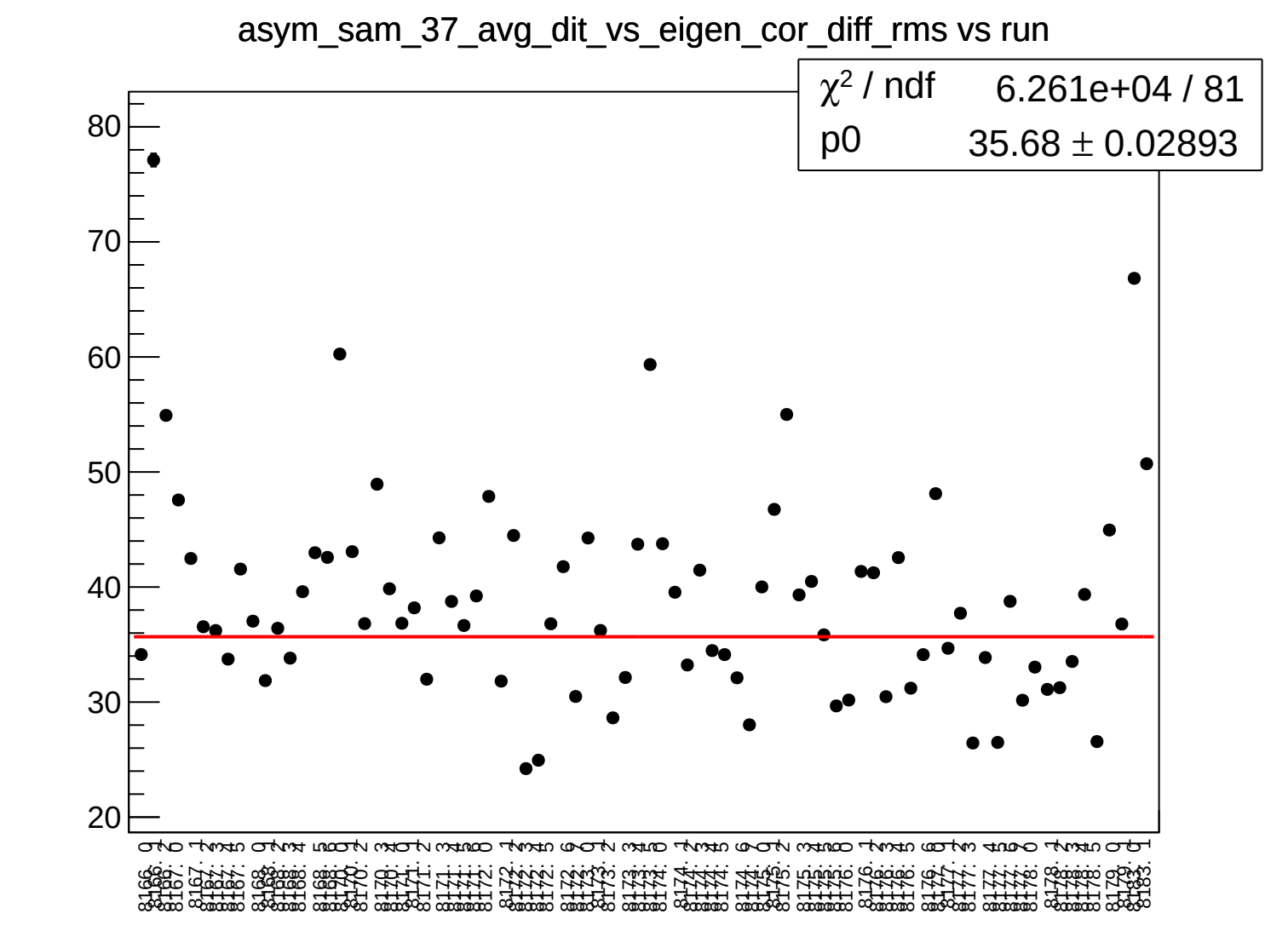

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 98.64 / 81
p0 −0.001184 ± 0.04092
pull
Entries 82
Mean 51.25
Std Dev 59.9

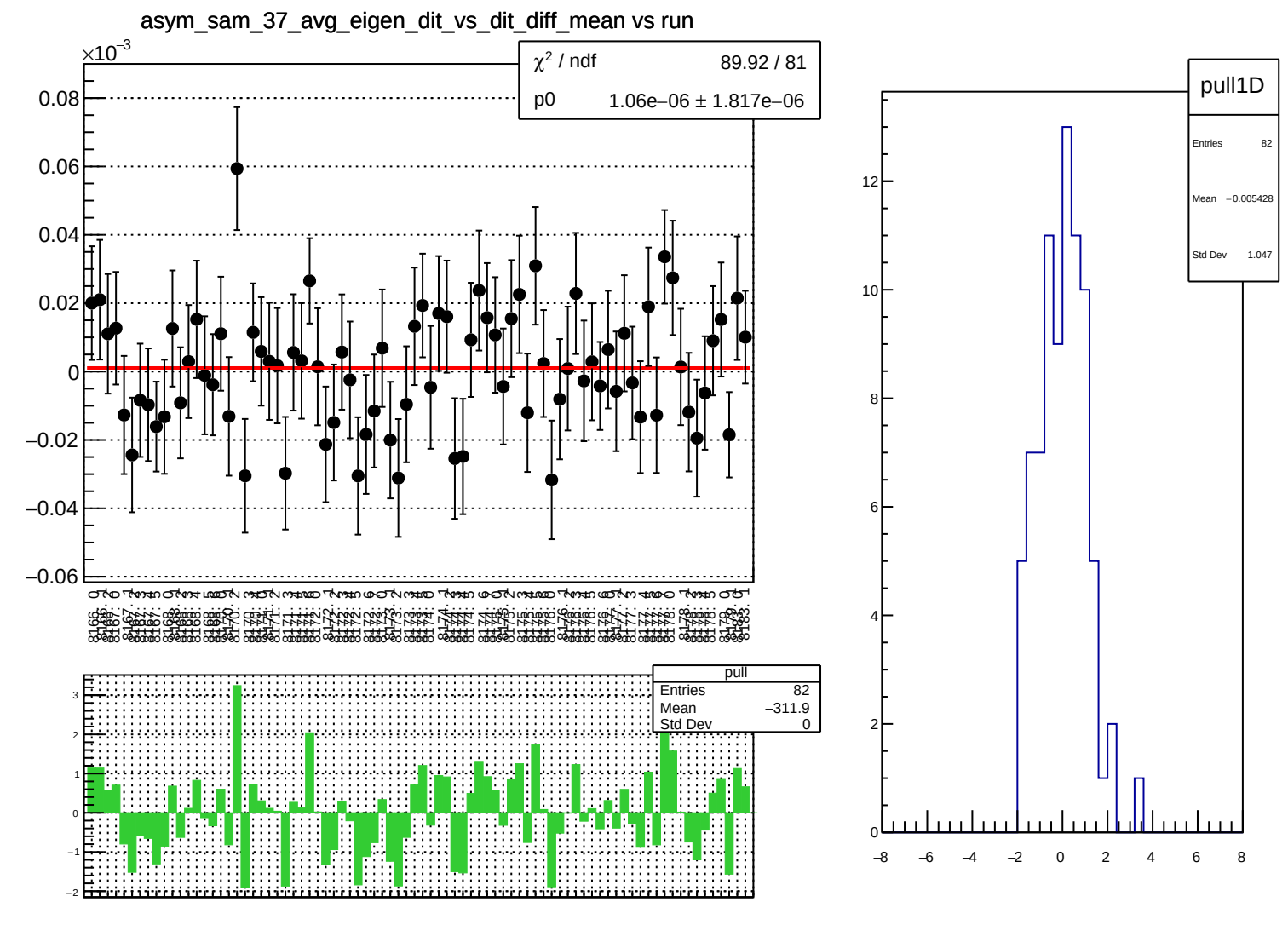

pull1D
Entries 82
Mean −0.01941
Std Dev 1.097

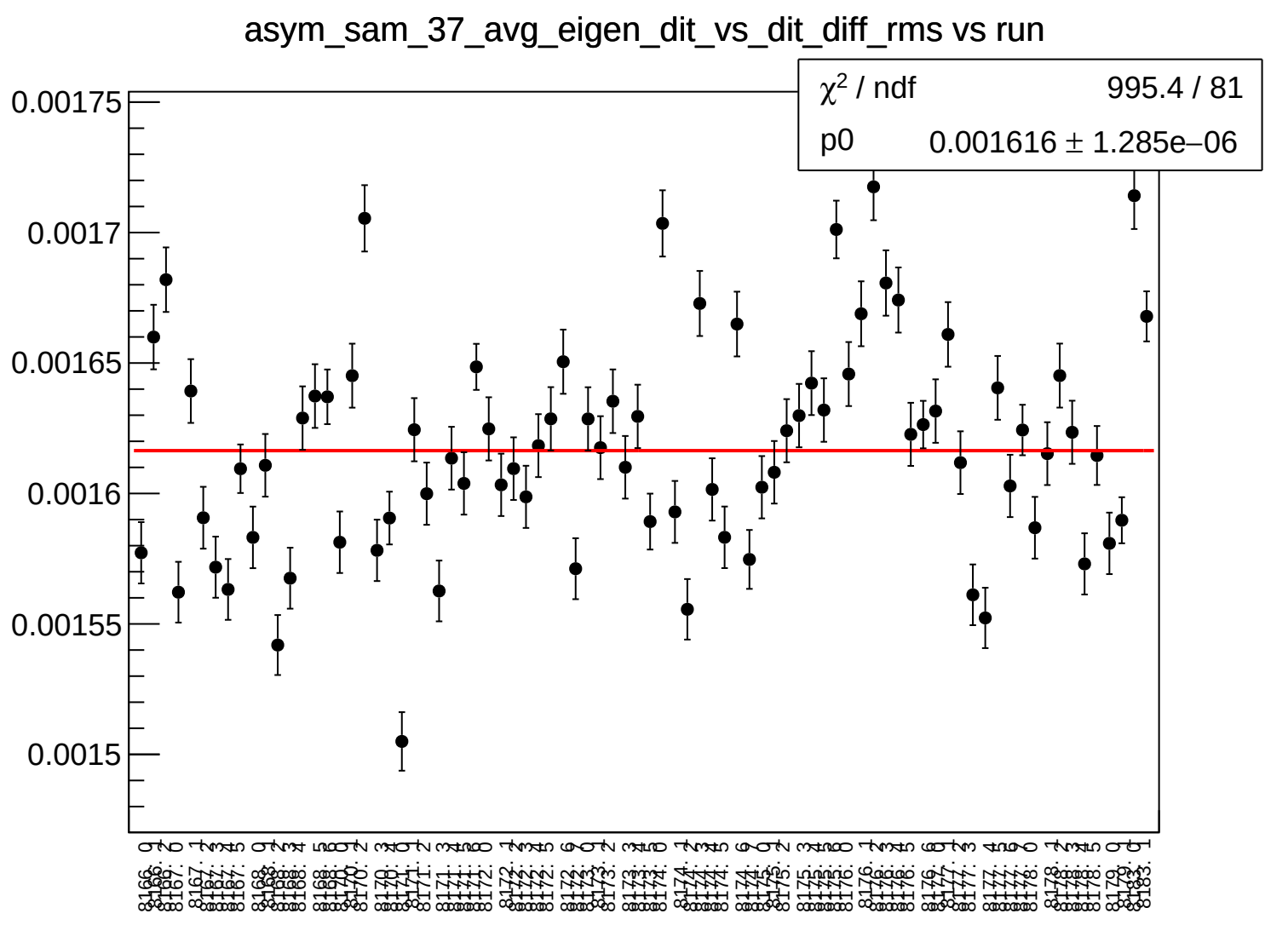

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 6.261e+04 / 81
p0 35.68 ± 0.02893
80
70
60
50
40
30
20

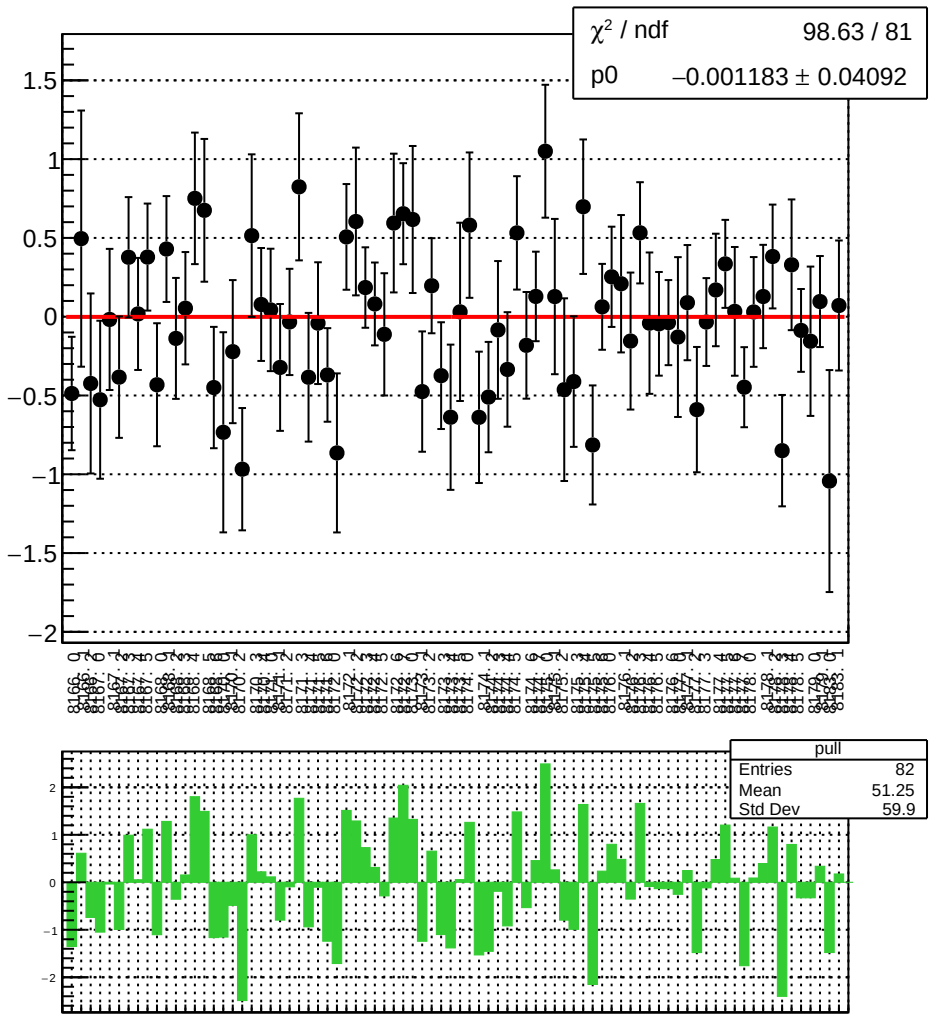

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.64 / 81
p0 −0.001184 ± 0.04092
pull
Entries 82
Mean 51.25
Std Dev 59.9

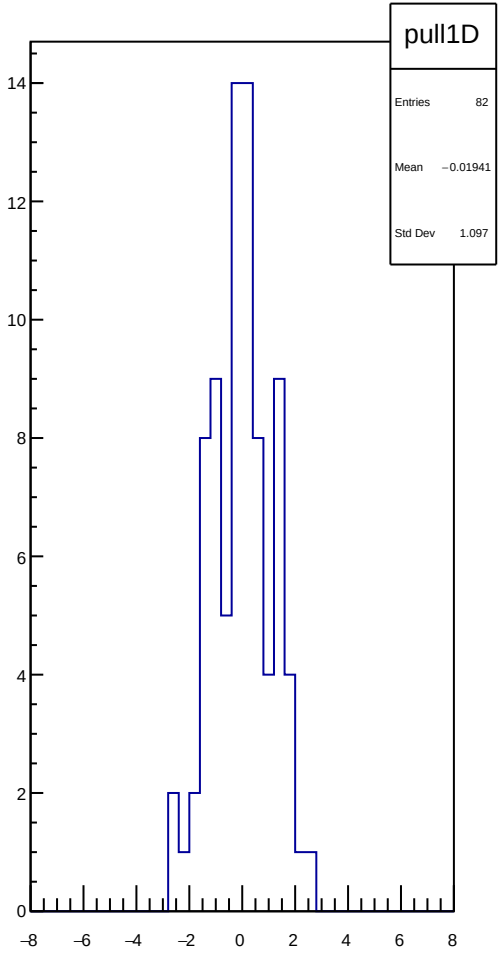

pull1D
Entries 82
Mean −0.01941
Std Dev 1.097

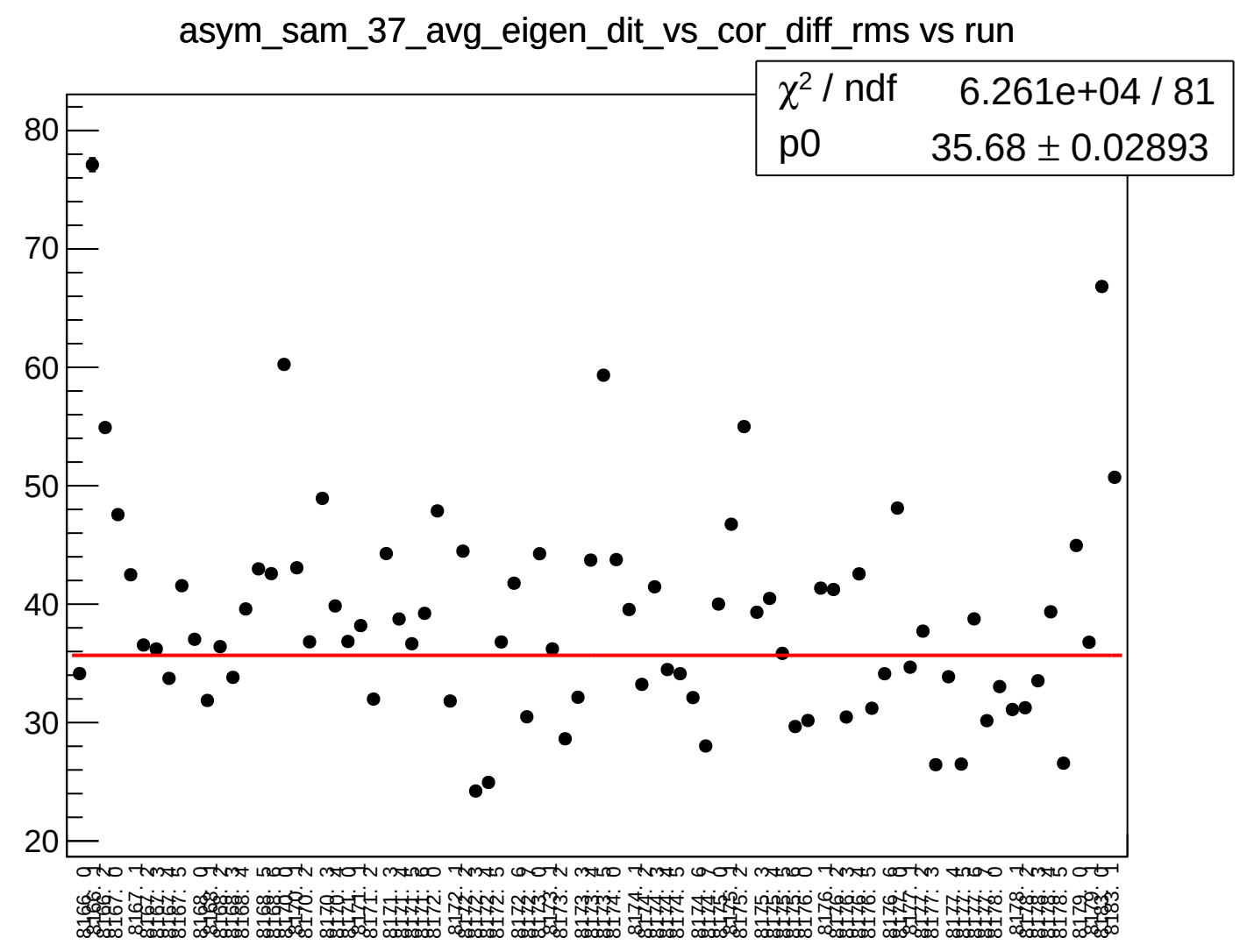

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.261e+04 / 81
p0 35.68 ± 0.02893
80
70
60
50
40
30
20

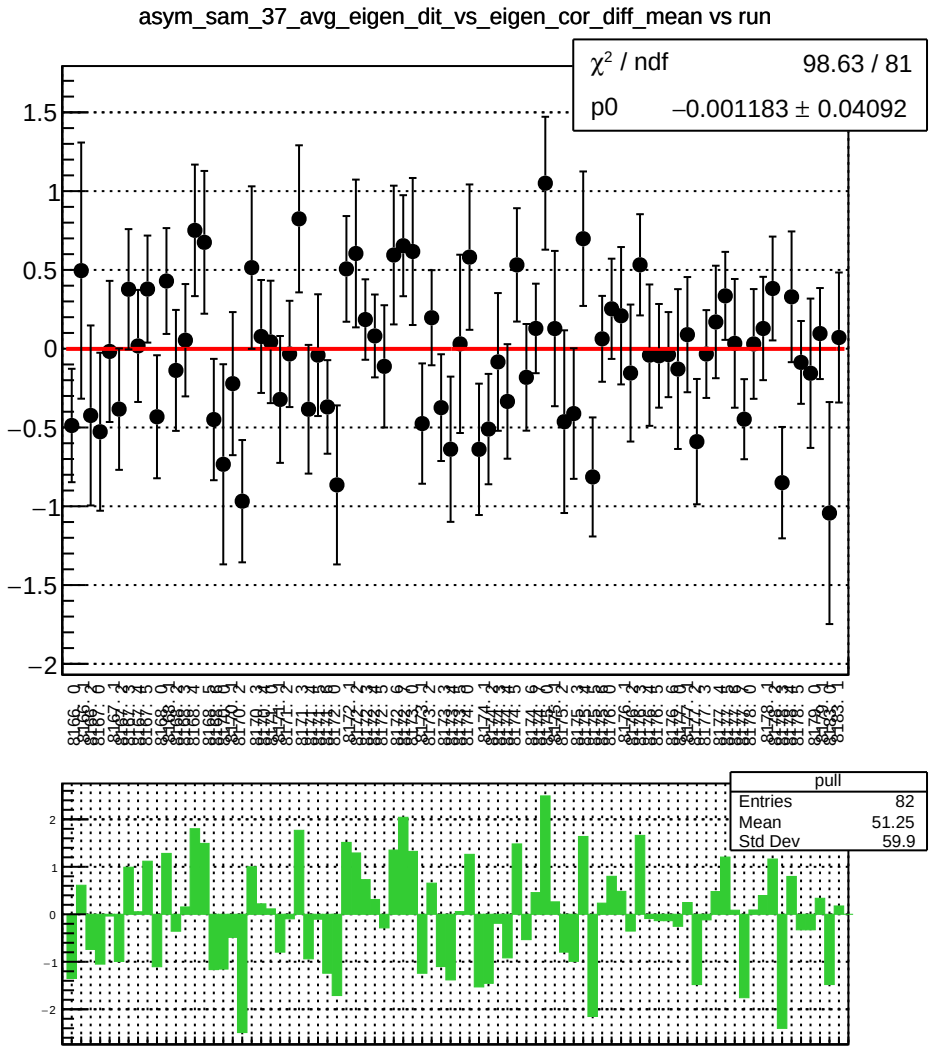

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.92 / 81
p0 1.06e−06 ± 1.817e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 82
Mean −311.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.005428
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

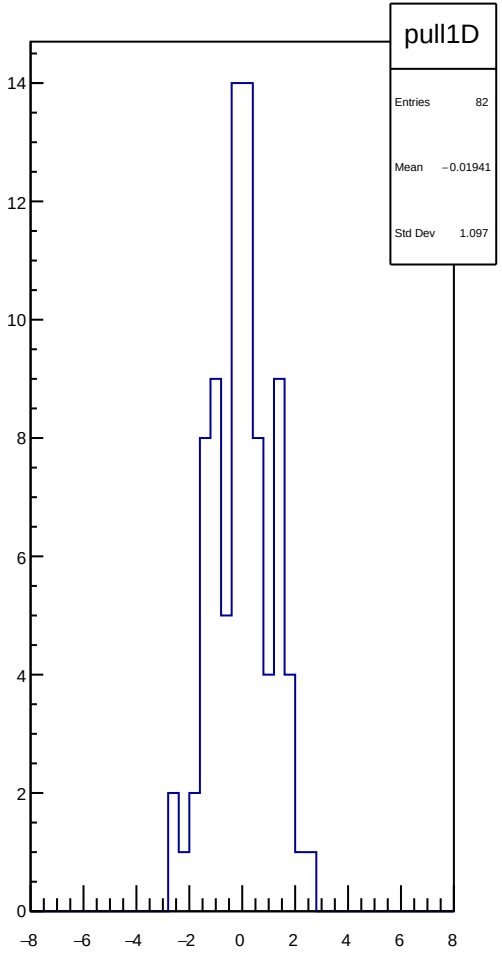

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 995.4 / 81
p0 0.001616 ± 1.285e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015

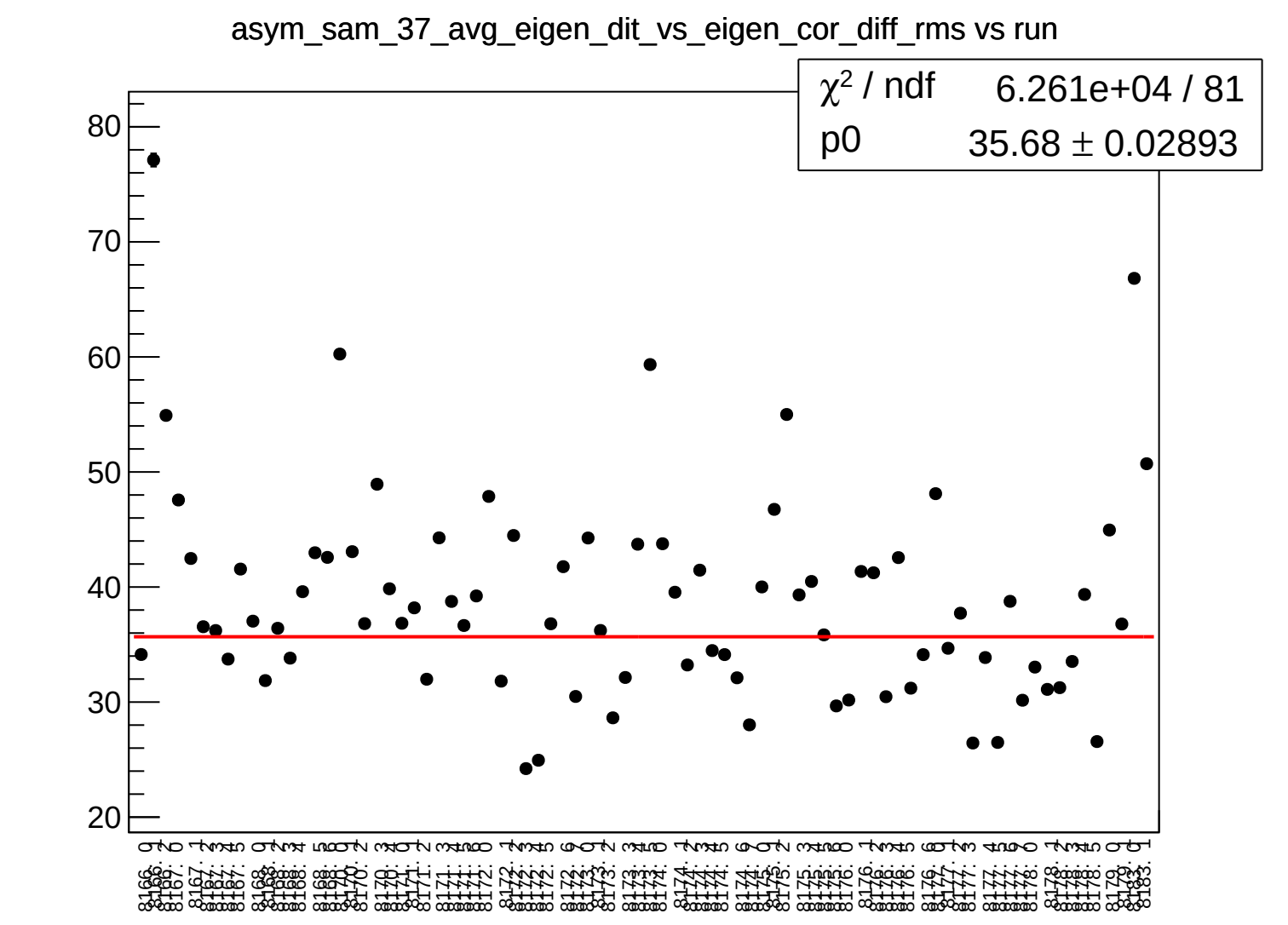

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.63 / 81
p0 −0.001183 ± 0.04092
pull
Entries 82
Mean 51.25
Std Dev 59.9

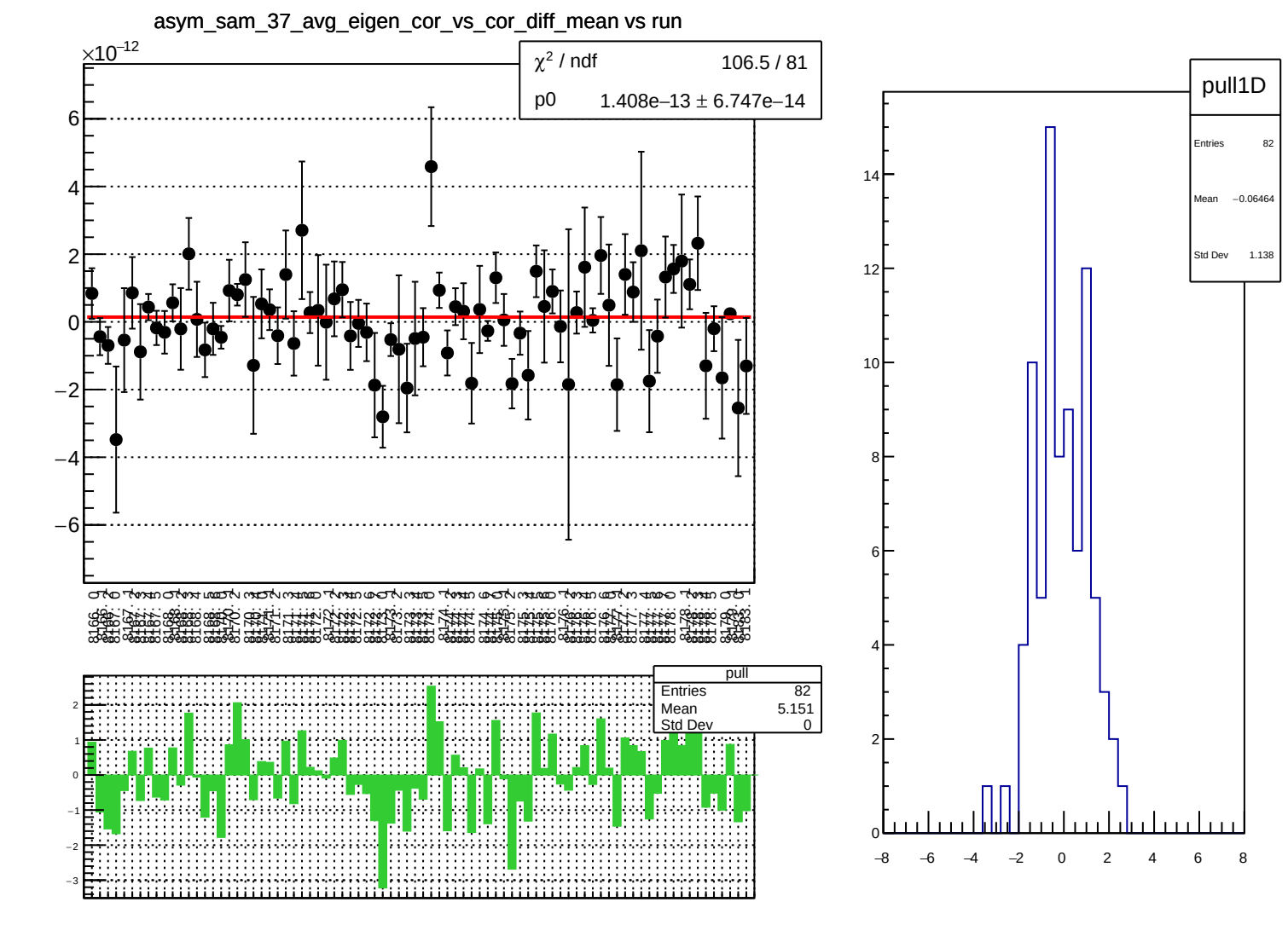

pull1D
Entries 82
Mean −0.01941
Std Dev 1.097

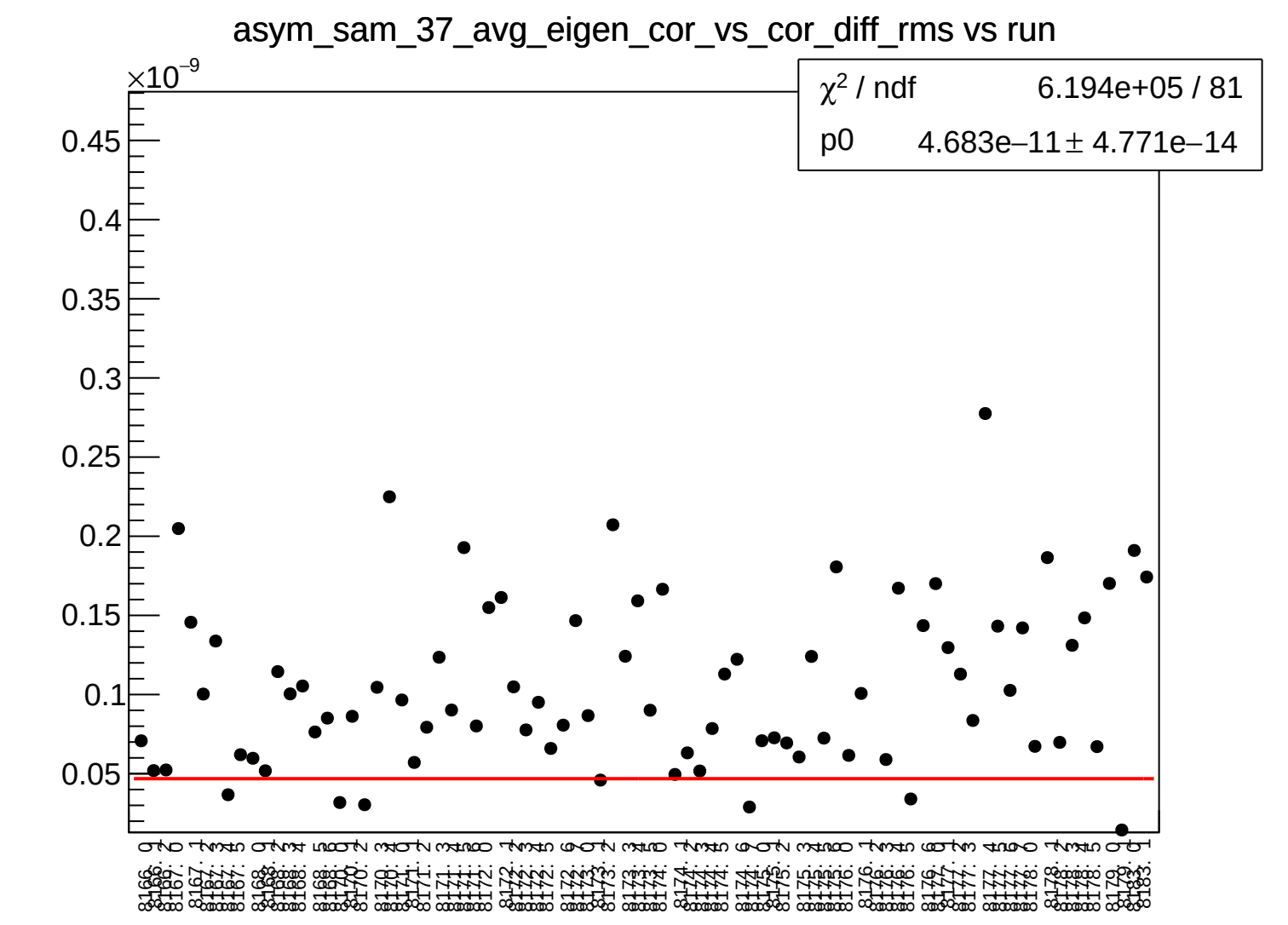

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.261e+04 / 81
p0 35.68 ± 0.02893
80
70
60
50
40
30
20

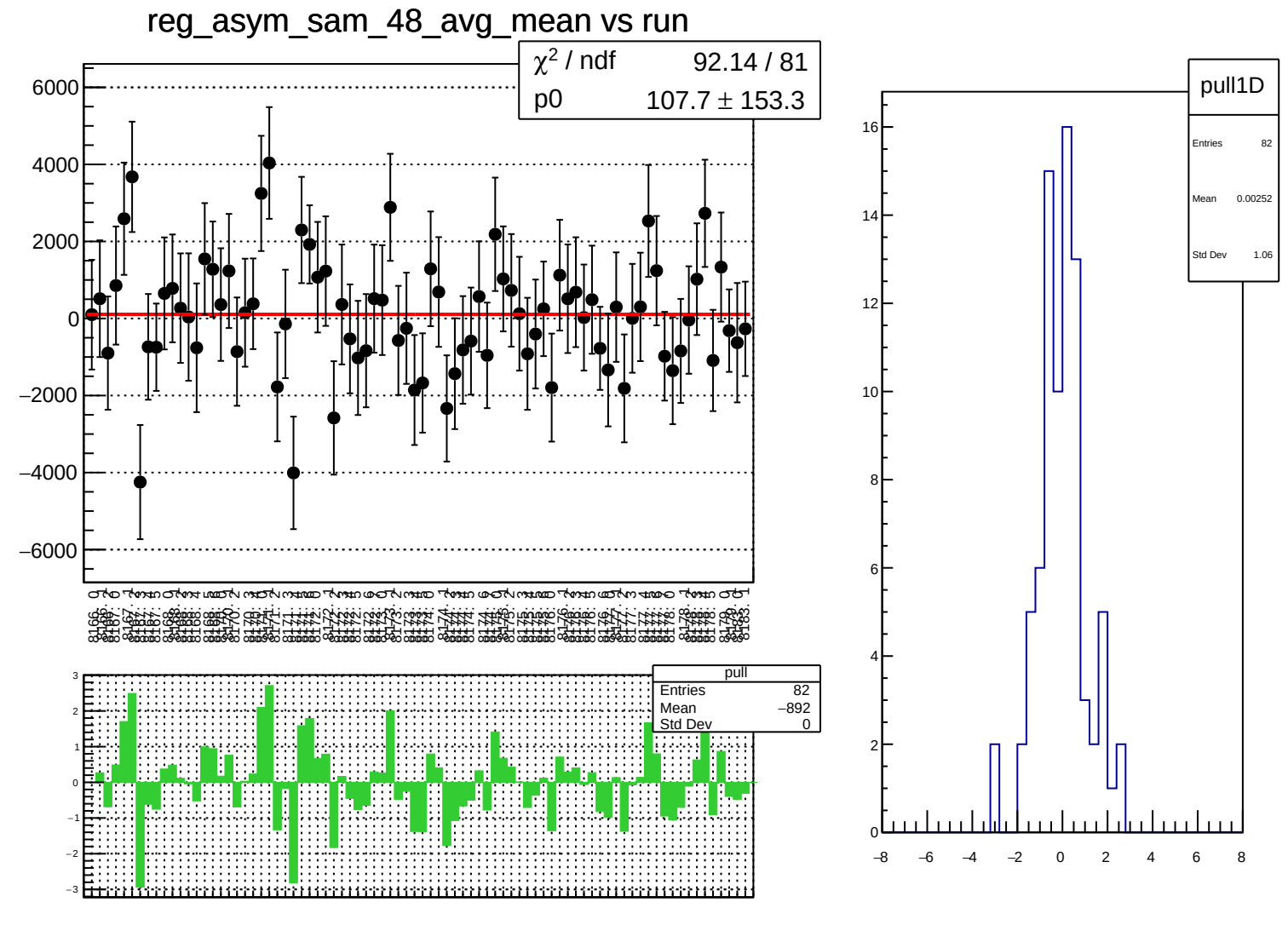

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.63 / 81
p0 −0.001183 ± 0.04092
pull
Entries 82
Mean 51.25
Std Dev 59.9

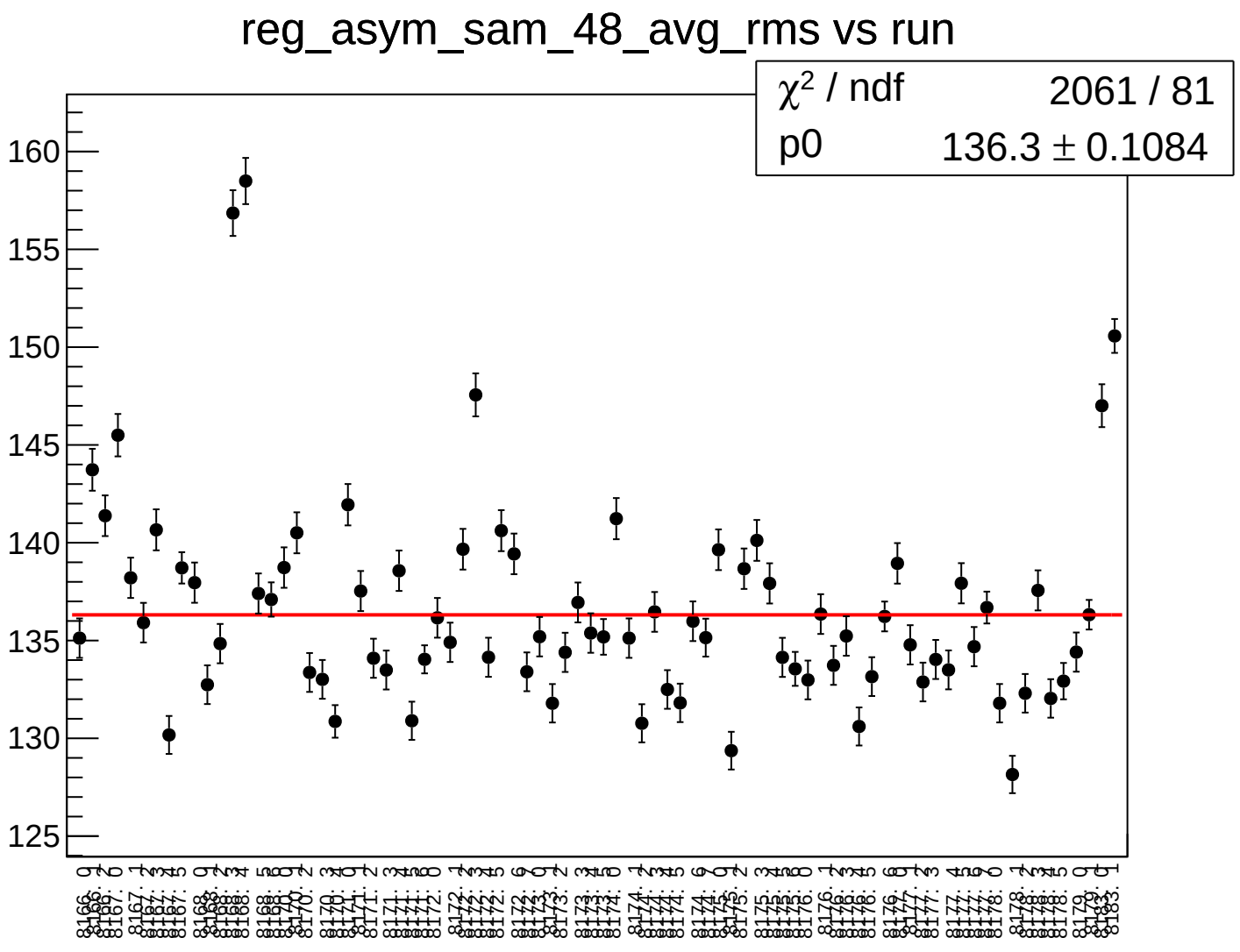

pull1D
Entries 82
Mean −0.01941
Std Dev 1.097

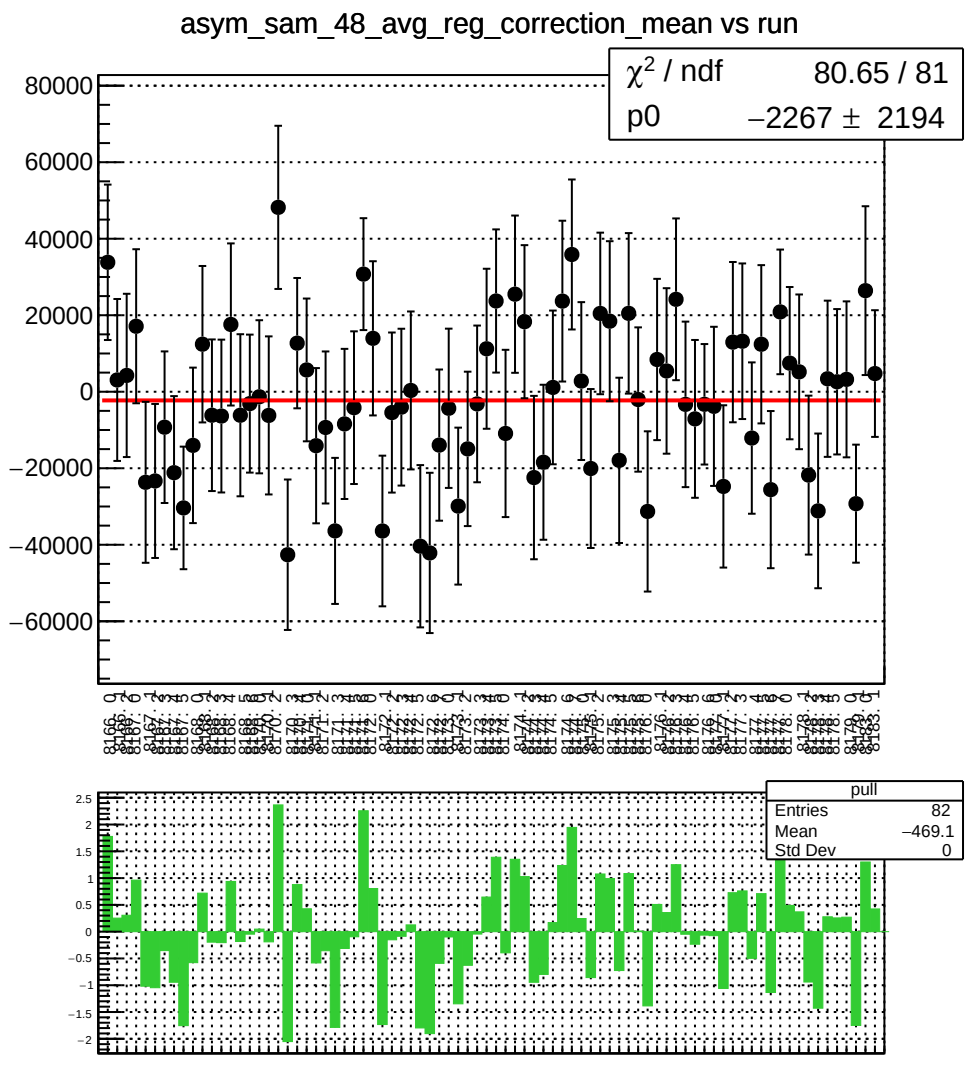

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.261e+04 / 81
p0 35.68 ± 0.02893
80
70
60
50
40
30
20

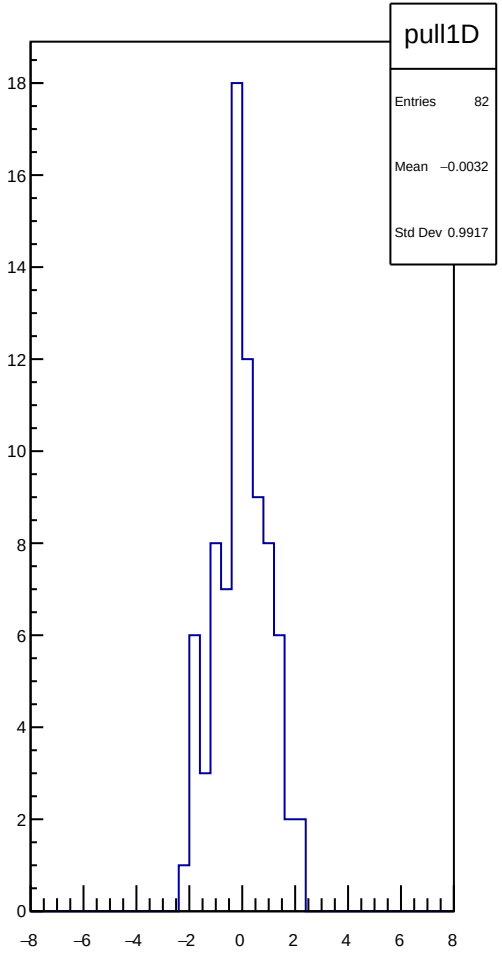

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 106.5 / 81
p0 1.408e−13 ± 6.747e−14
pull
Entries 82
Mean 5.151
Std Dev 0
pull1D
Entries 82
Mean −0.06464
Std Dev 1.138

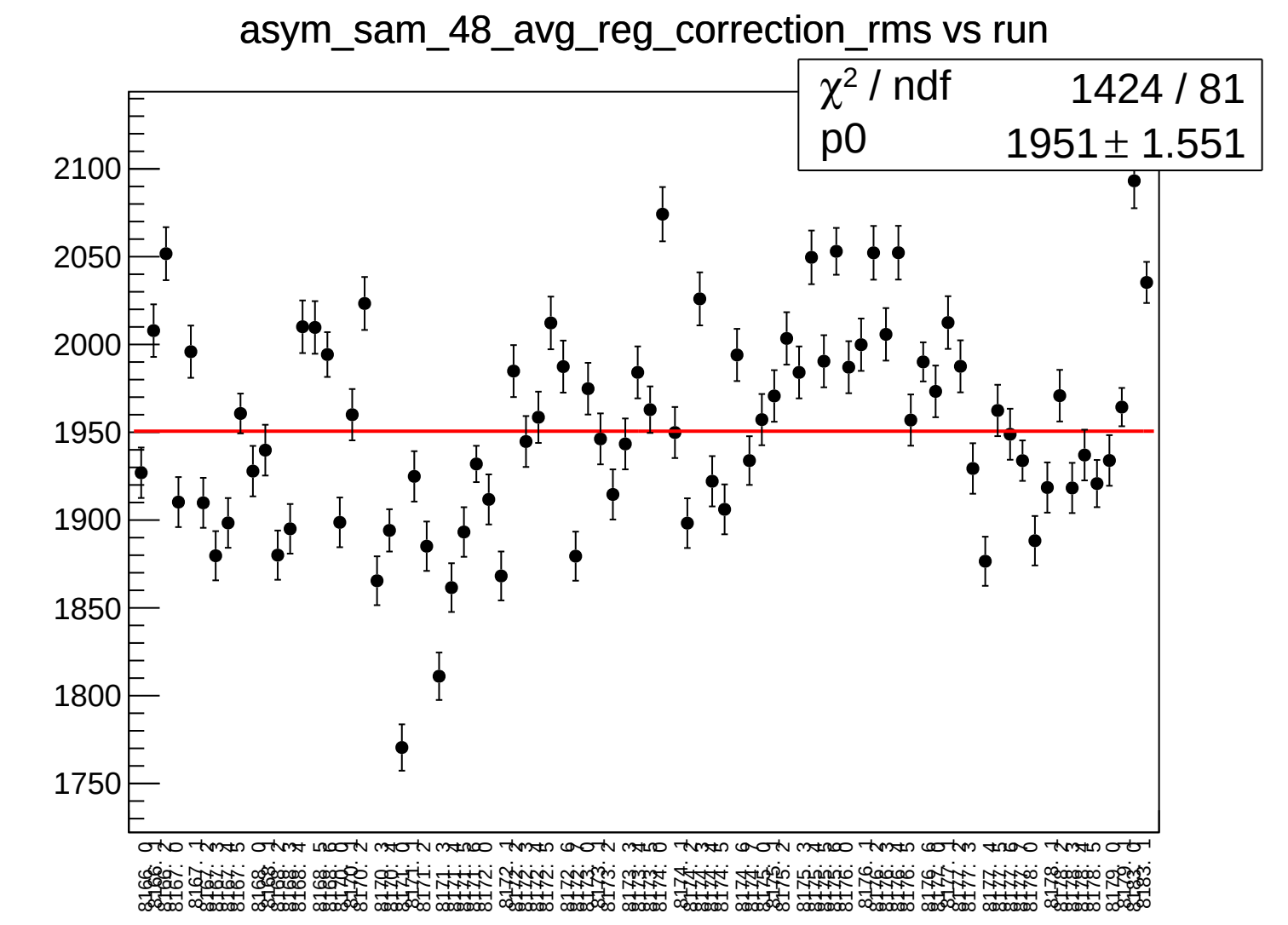

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.194e+05 / 81
p0 4.683e−11 ± 4.771e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

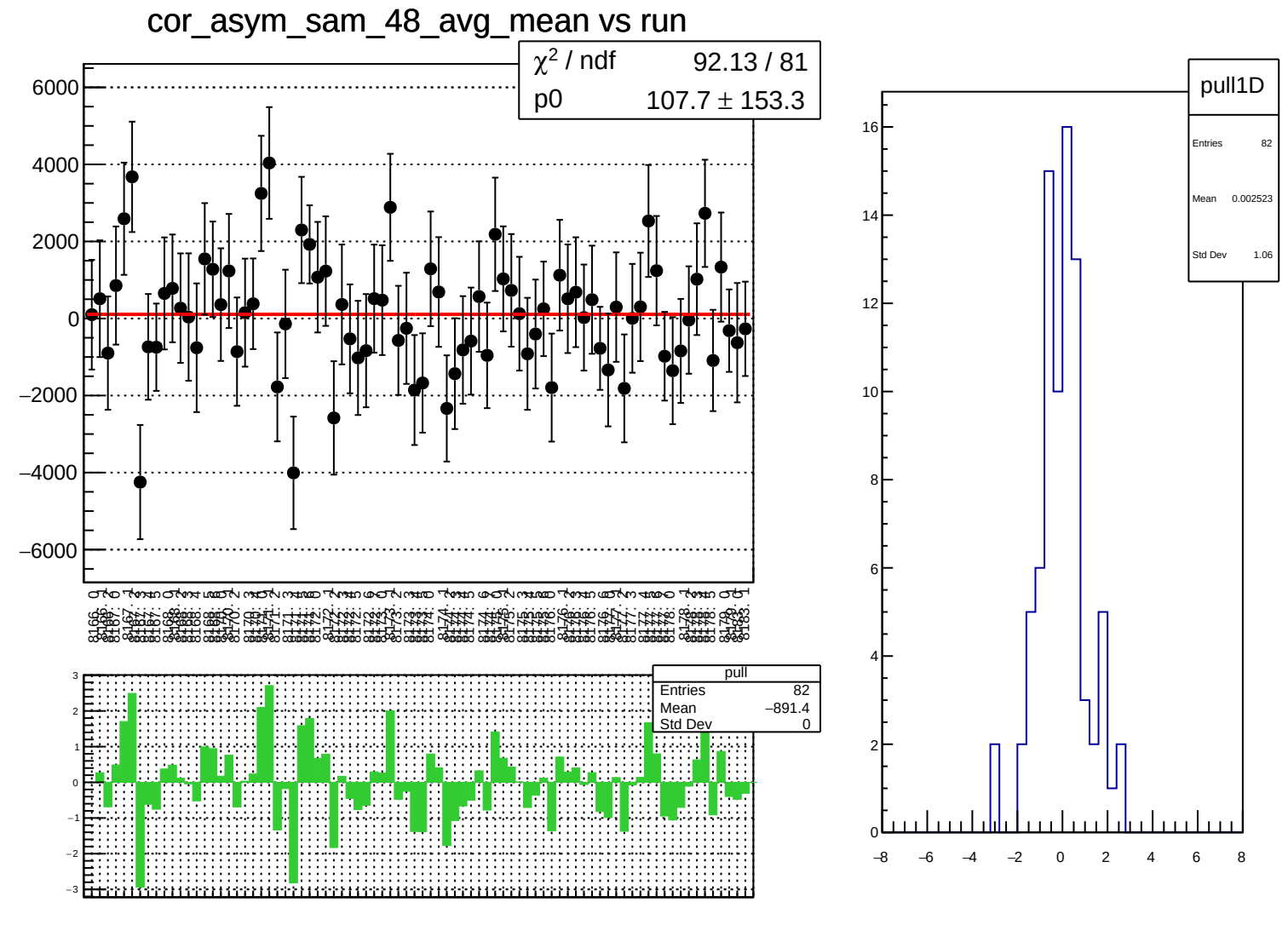

reg_asym_sam_48_avg_mean vs run
χ² / ndf 92.14 / 81
p0 107.7 ± 153.3
pull
Entries 82
Mean −892
Std Dev 0
pull1D
Entries 82
Mean 0.00252
Std Dev 1.06

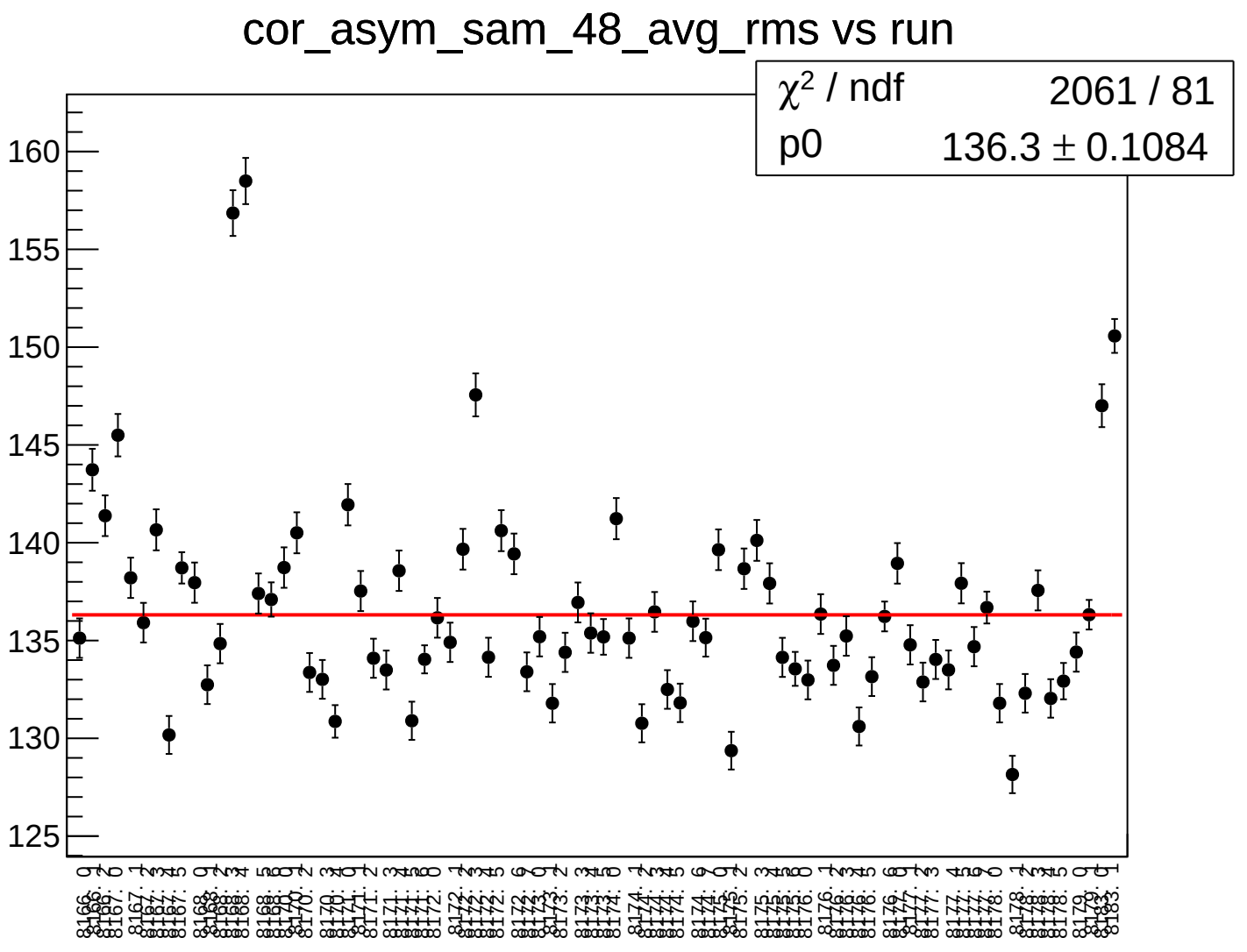

reg_asym_sam_48_avg_rms vs run
χ² / ndf 2061 / 81
p0 136.3 ± 0.1084
160
155
150
145
140
135
130
125

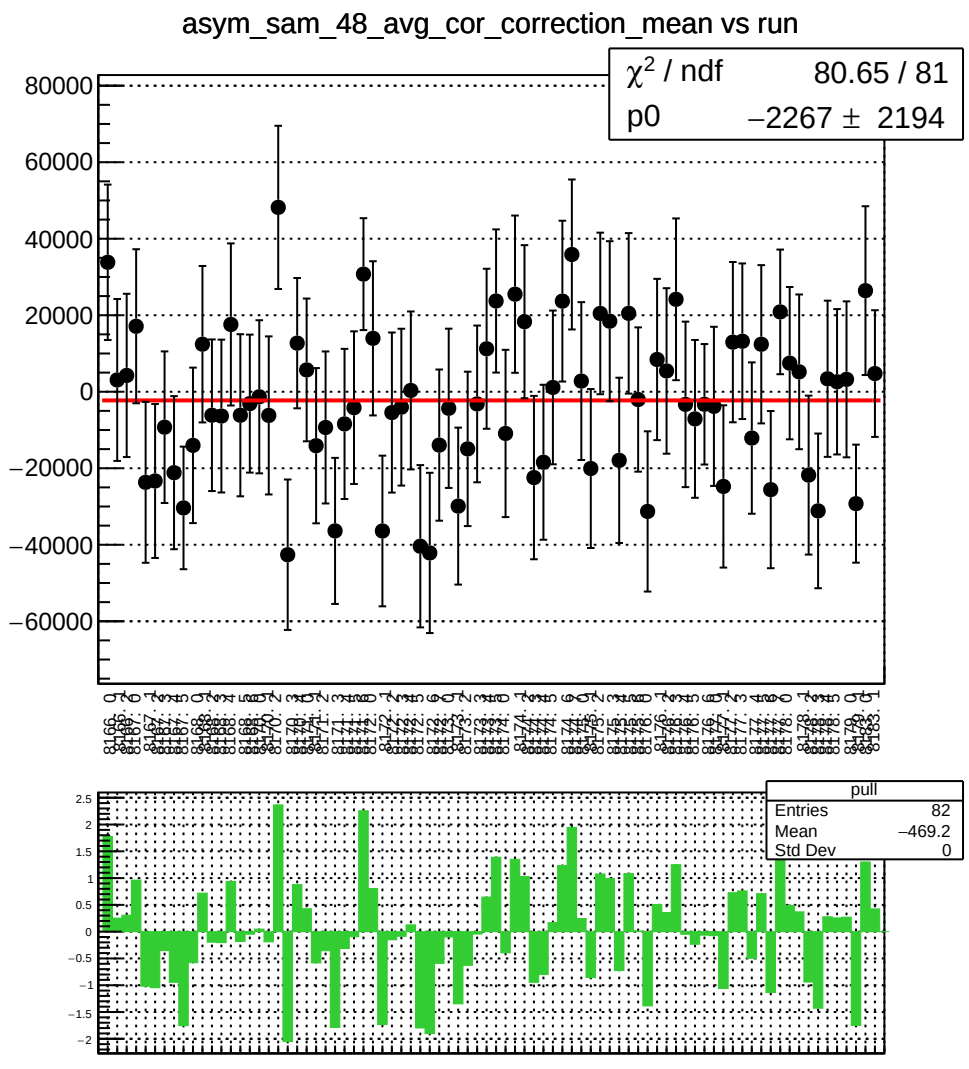

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 80.65 / 81
p0 −2267 ± 2194
pull
Entries 82
Mean −469.1
Std Dev 0

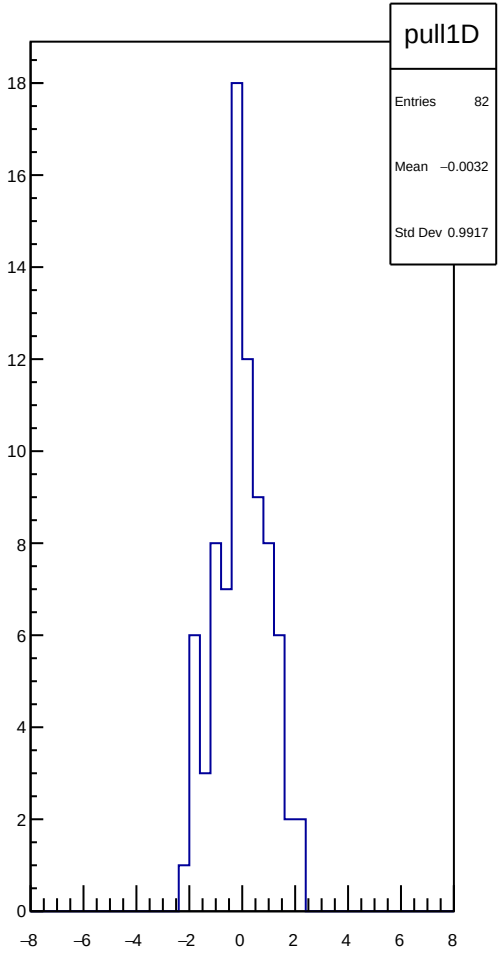

pull1D
Entries 82
Mean −0.0032
Std Dev 0.9917

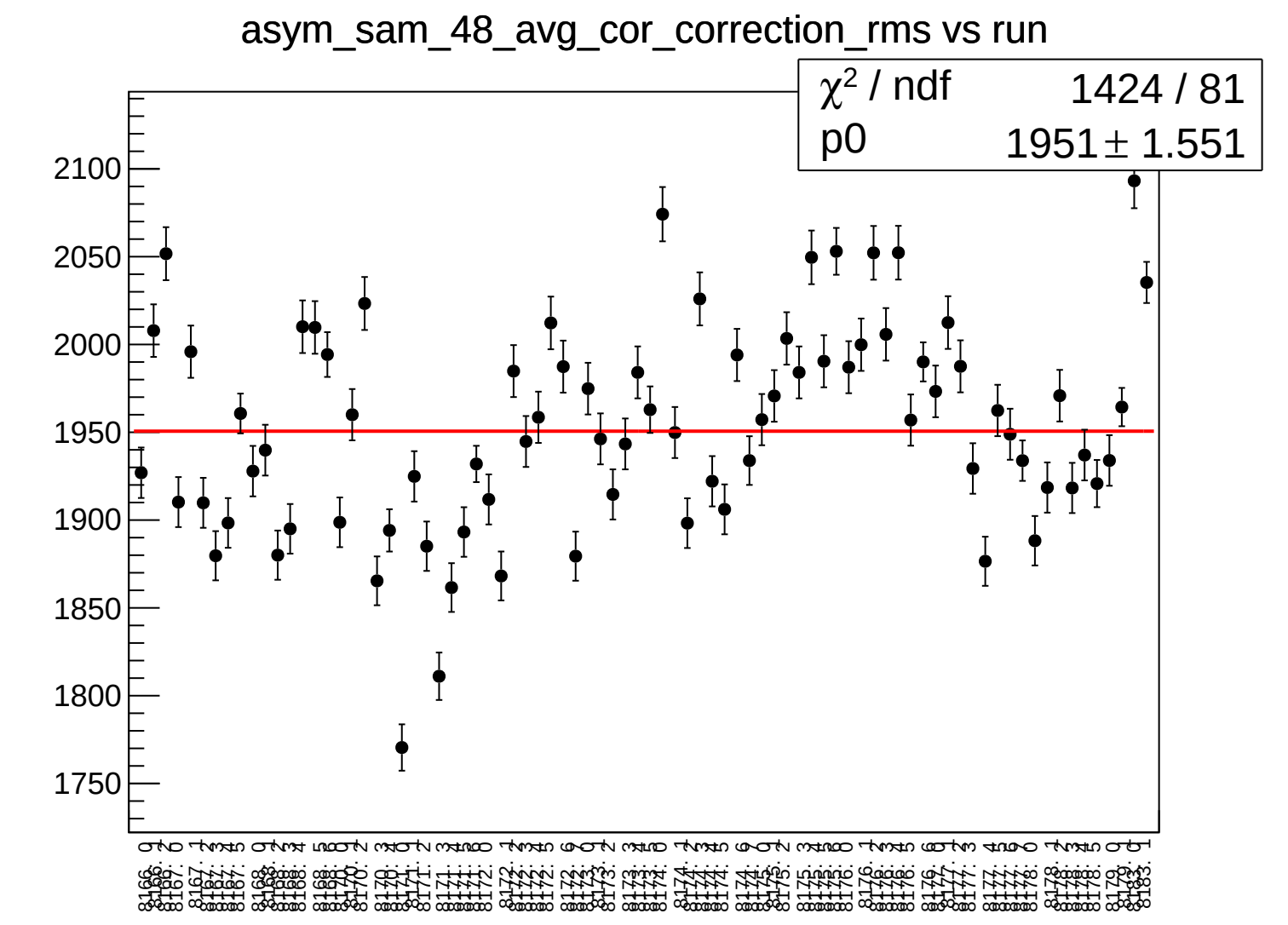

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1424 / 81
p0 1951 ± 1.551
2100
2050
2000
1950
1900
1850
1800
1750

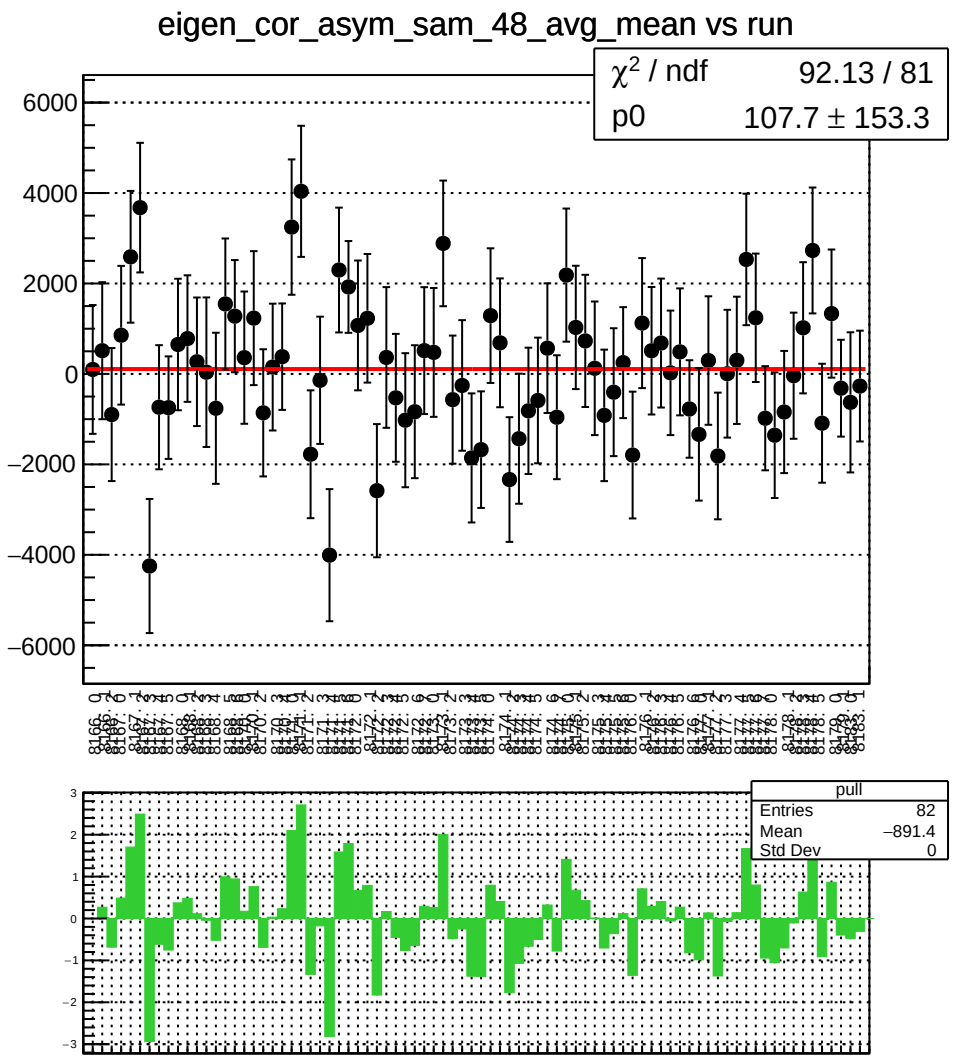

cor_asym_sam_48_avg_mean vs run
χ² / ndf 92.13 / 81
p0 107.7 ± 153.3
pull
Entries 82
Mean −891.4
Std Dev 0
pull1D
Entries 82
Mean 0.002523
Std Dev 1.06

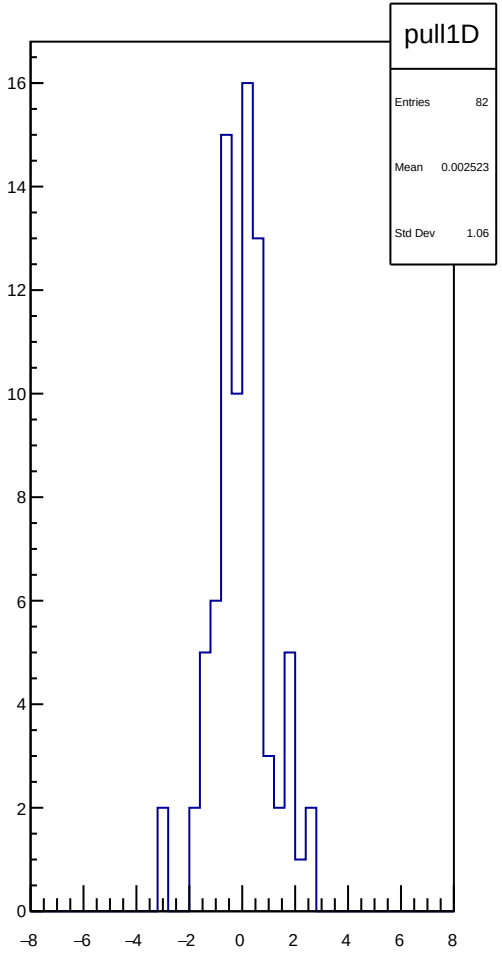

cor_asym_sam_48_avg_rms vs run
χ^2 / ndf 2061 / 81
p0 136.3 ± 0.1084
160
155
150
145
140
135
130
125

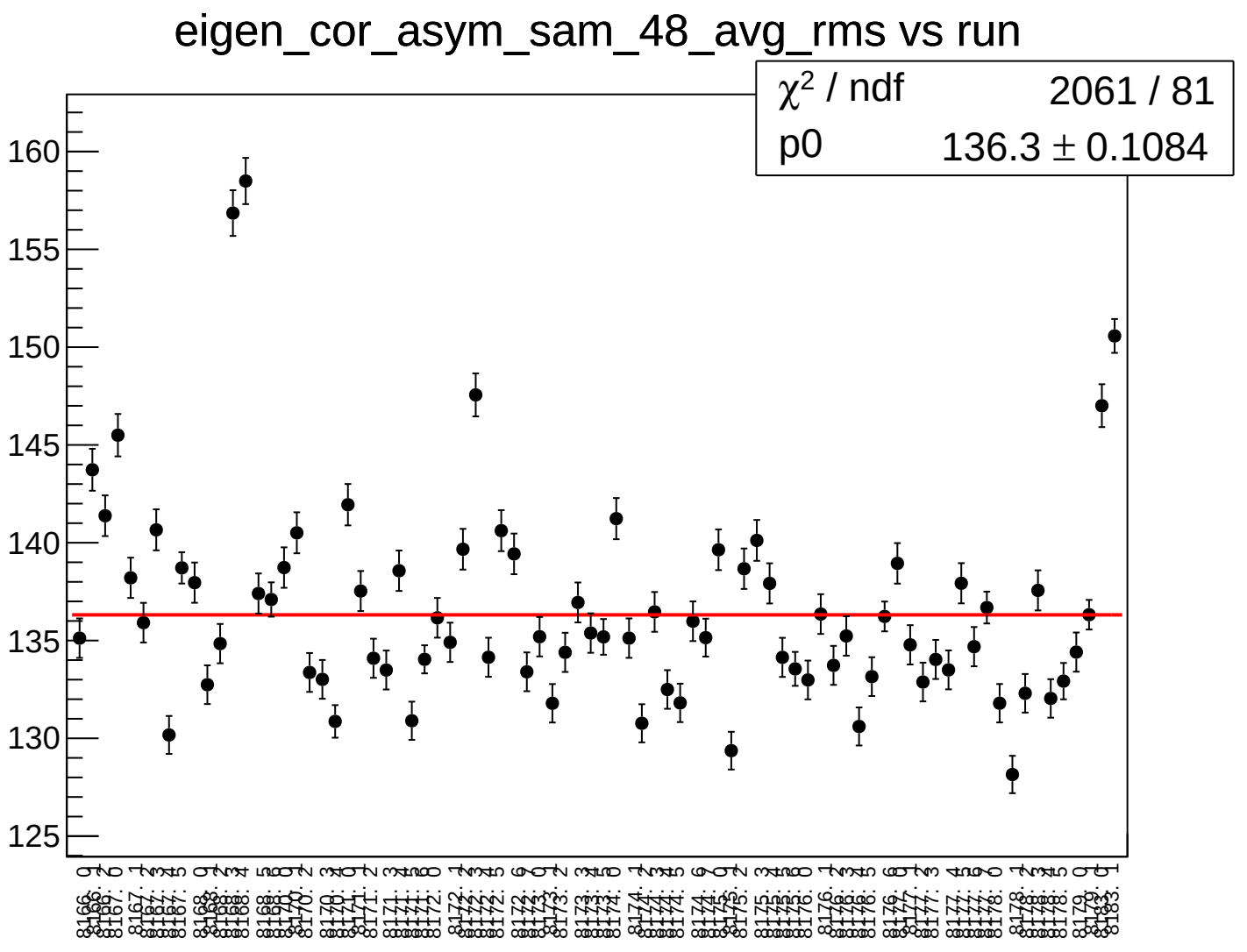

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 80.65 / 81
p0 −2267 ± 2194
pull
Entries 82
Mean −469.2
Std Dev 0

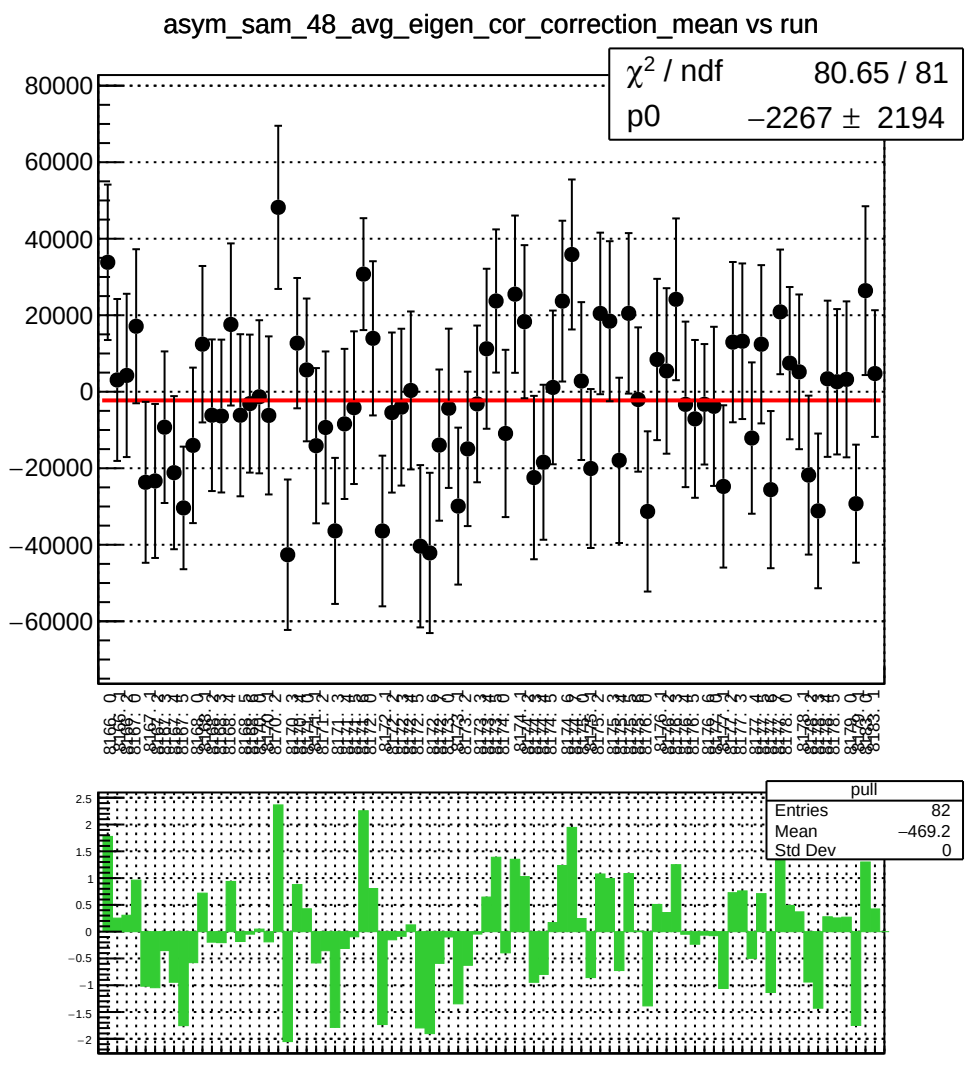

pull1D
Entries 82
Mean −0.0032
Std Dev 0.9917

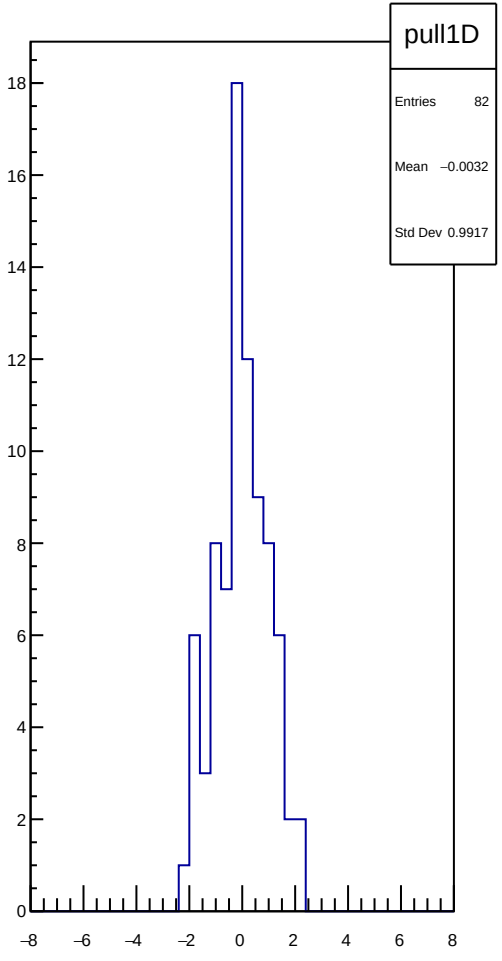

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1424 / 81
p0 1951 ± 1.551
2100
2050
2000
1950
1900
1850
1800
1750

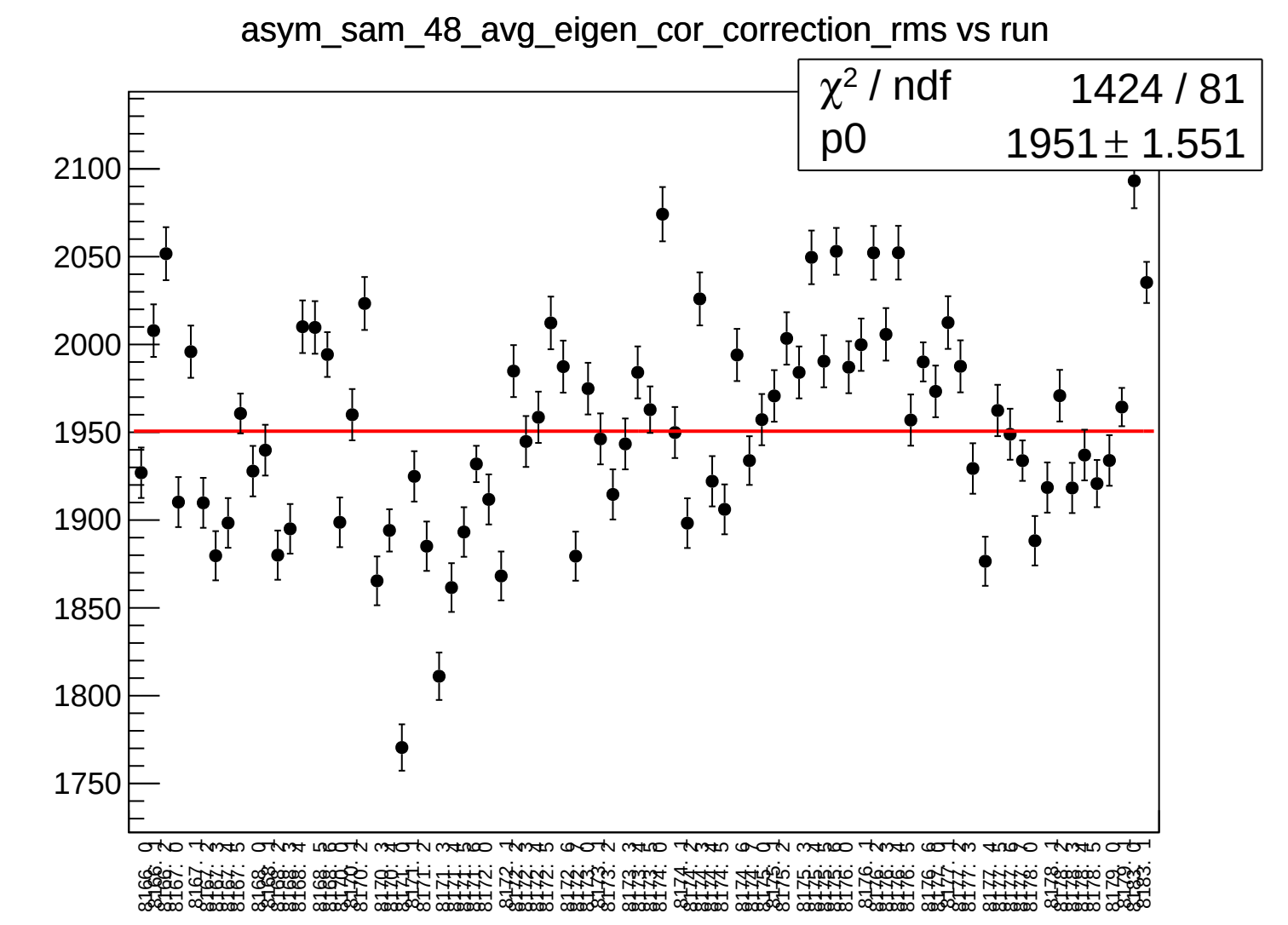

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 92.13 / 81
p0 107.7 ± 153.3
pull
Entries 82
Mean −891.4
Std Dev 0

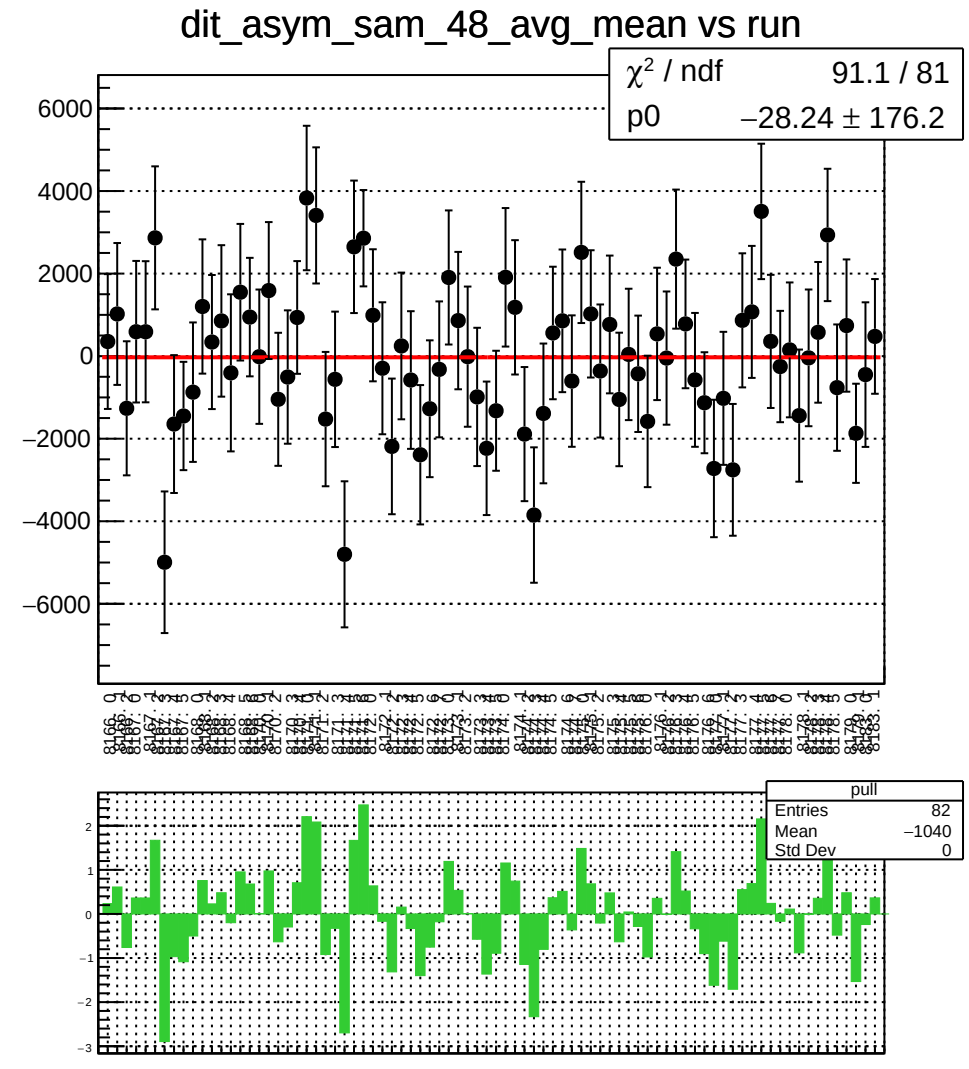

pull1D
Entries 82
Mean 0.002523
Std Dev 1.06

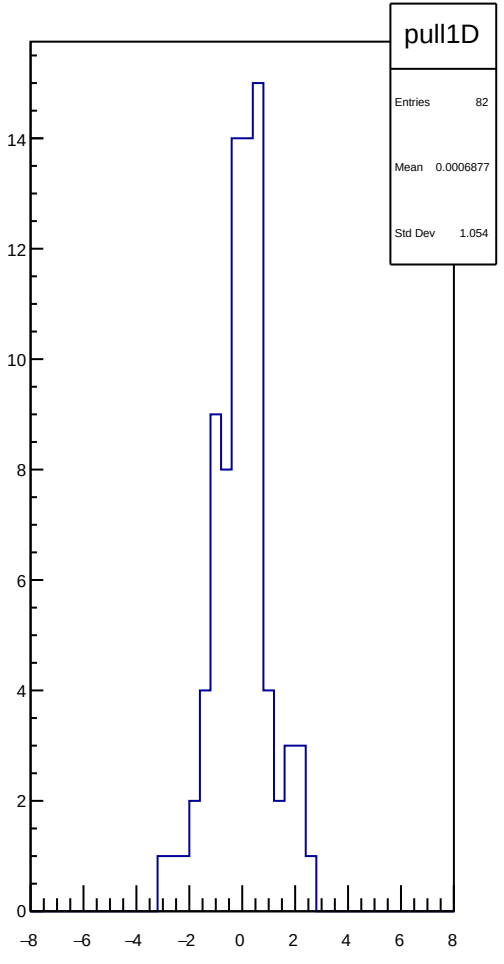

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 2061 / 81
p0 136.3 ± 0.1084
160
155
150
145
140
135
130
125

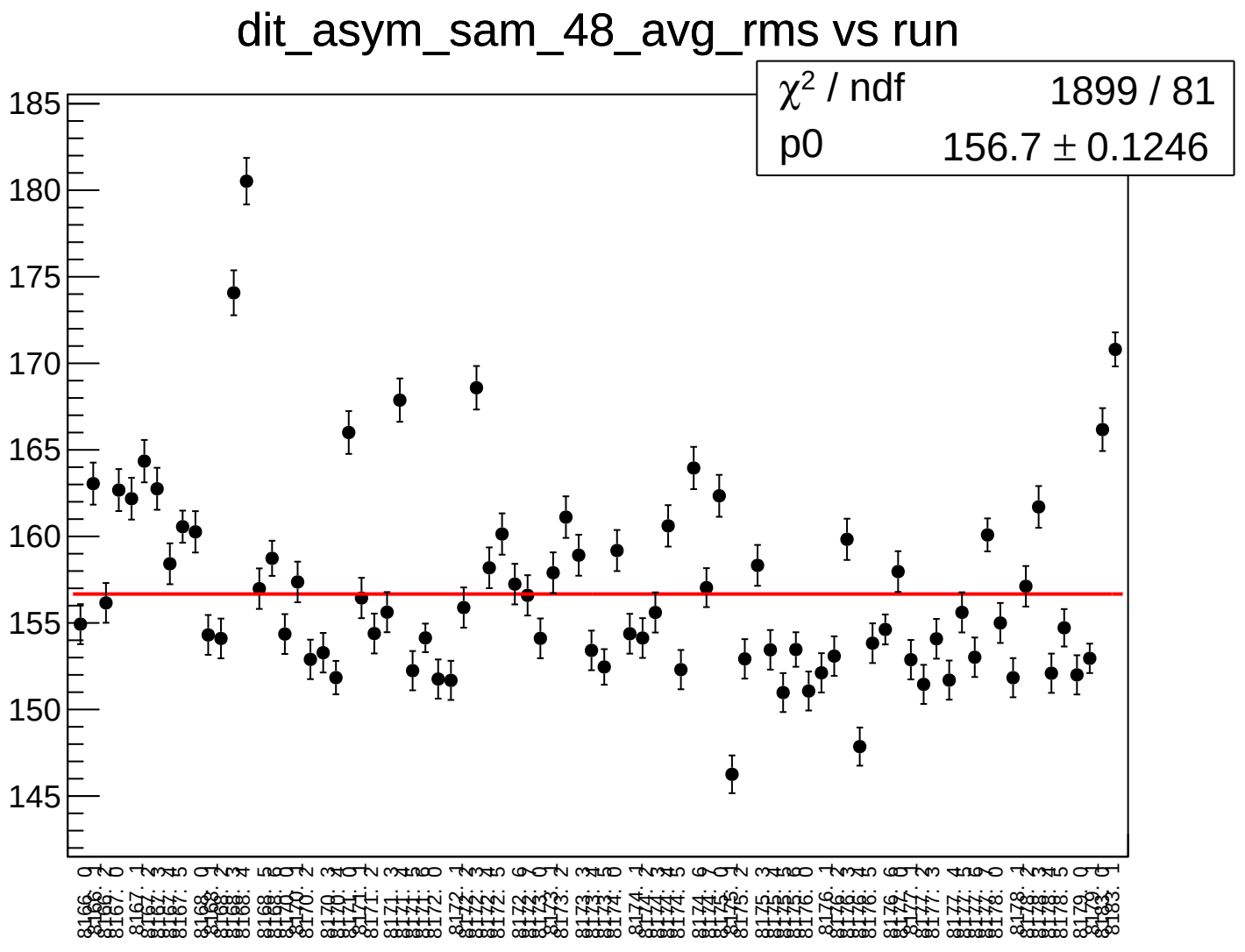

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 80.65 / 81
p0 −2267 ± 2194
pull
Entries 82
Mean −469.2
Std Dev 0

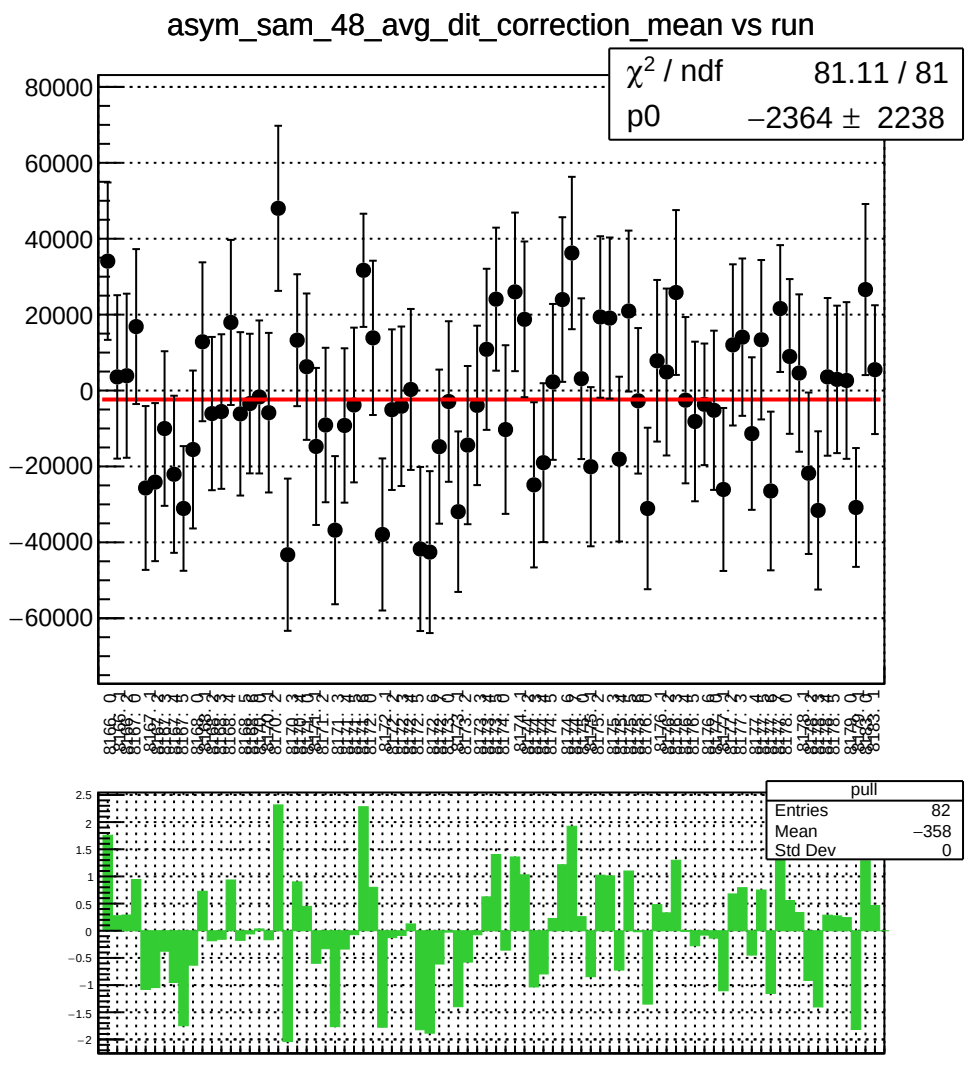

pull1D
Entries 82
Mean −0.0032
Std Dev 0.9917

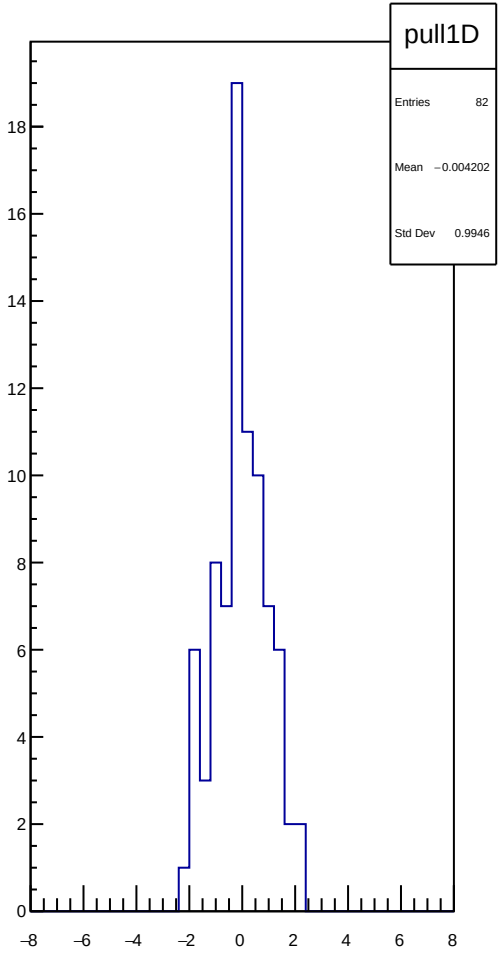

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1424 / 81
p0 1951 ± 1.551
2100
2050
2000
1950
1900
1850
1800
1750

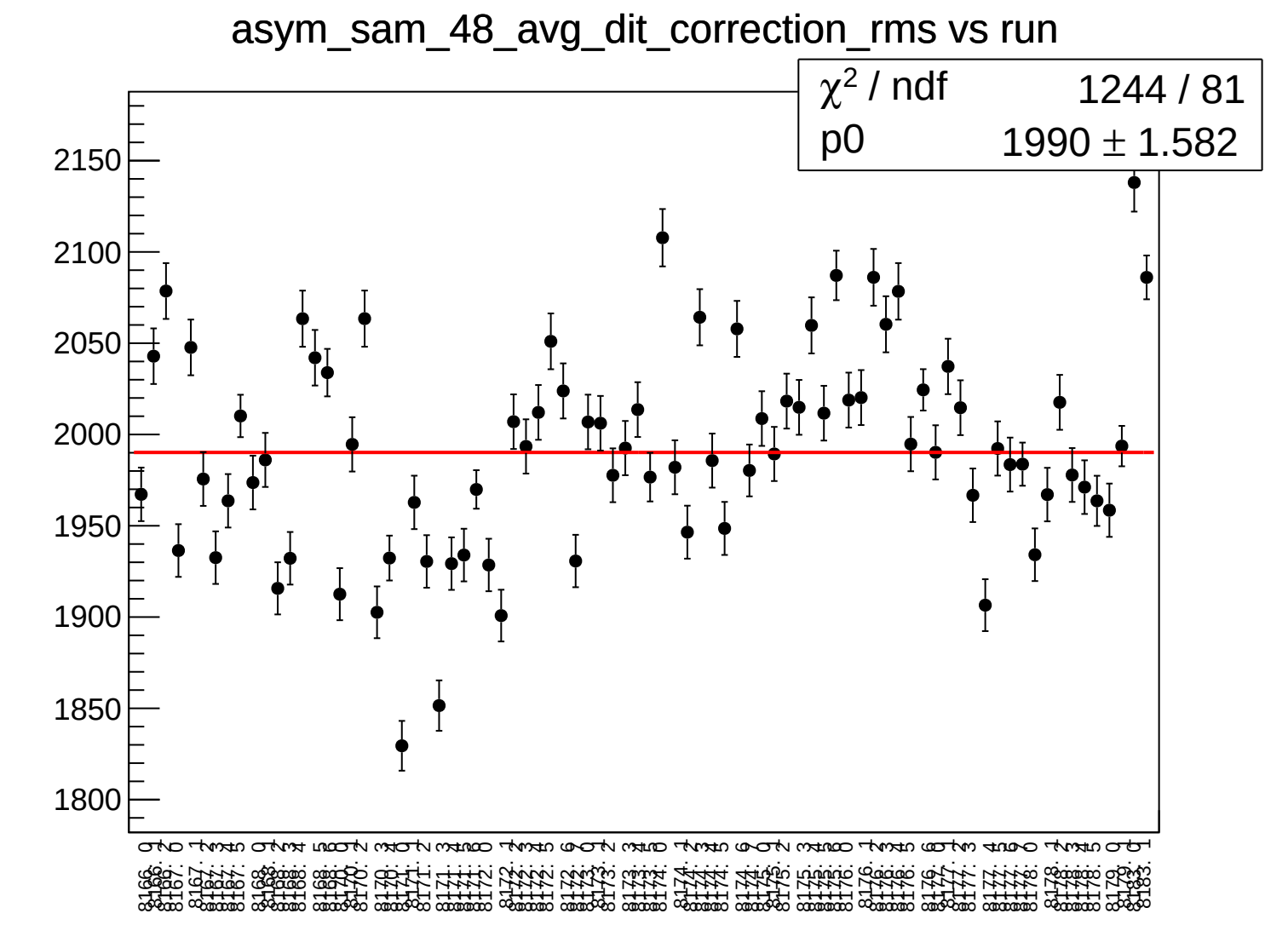

dit_asym_sam_48_avg_mean vs run
χ² / ndf 91.1 / 81
p0 −28.24 ± 176.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −1040
Std Dev 0
2
1
0
−1
−2
−3

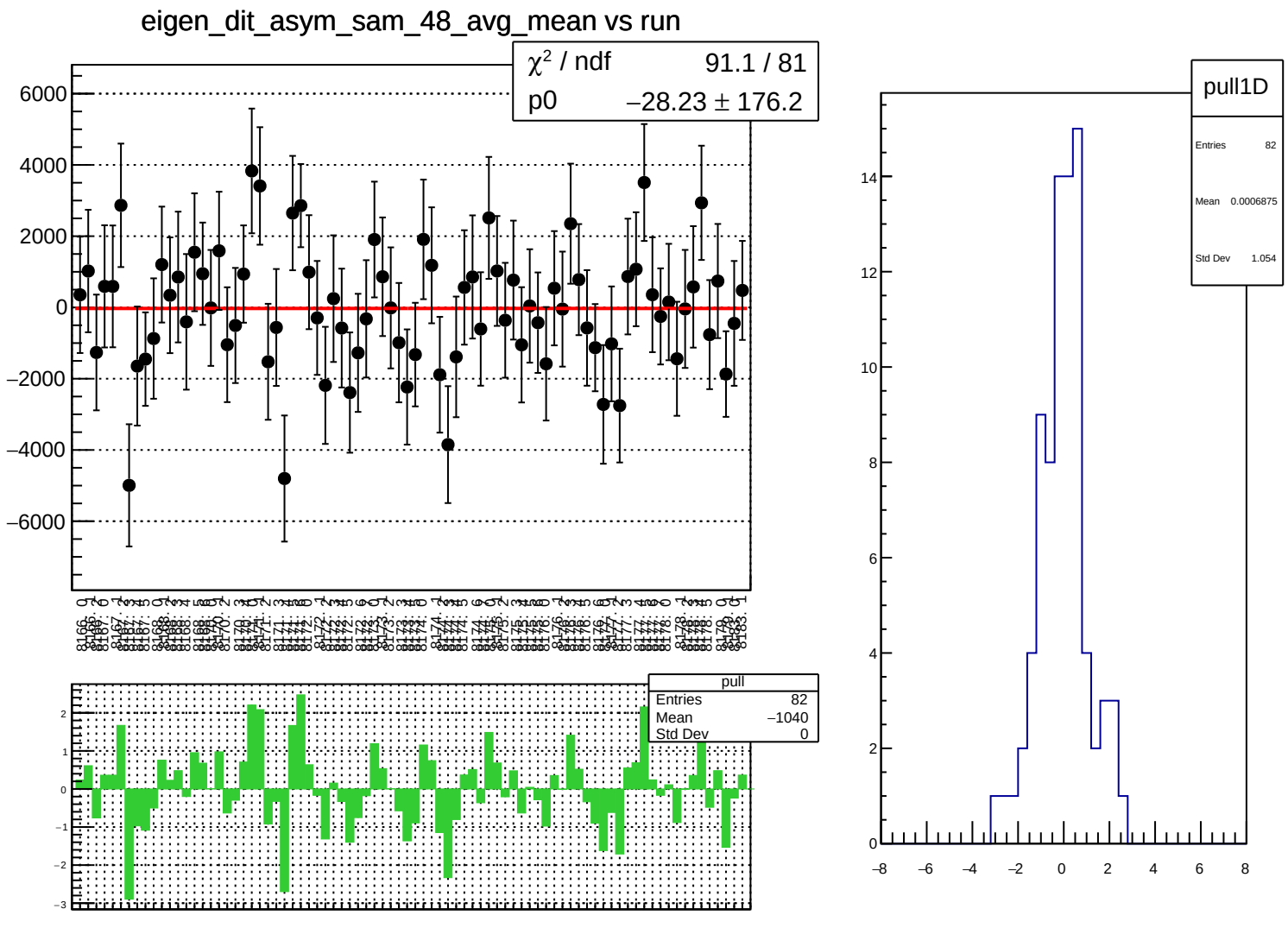

pull1D
Entries 82
Mean 0.0006877
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

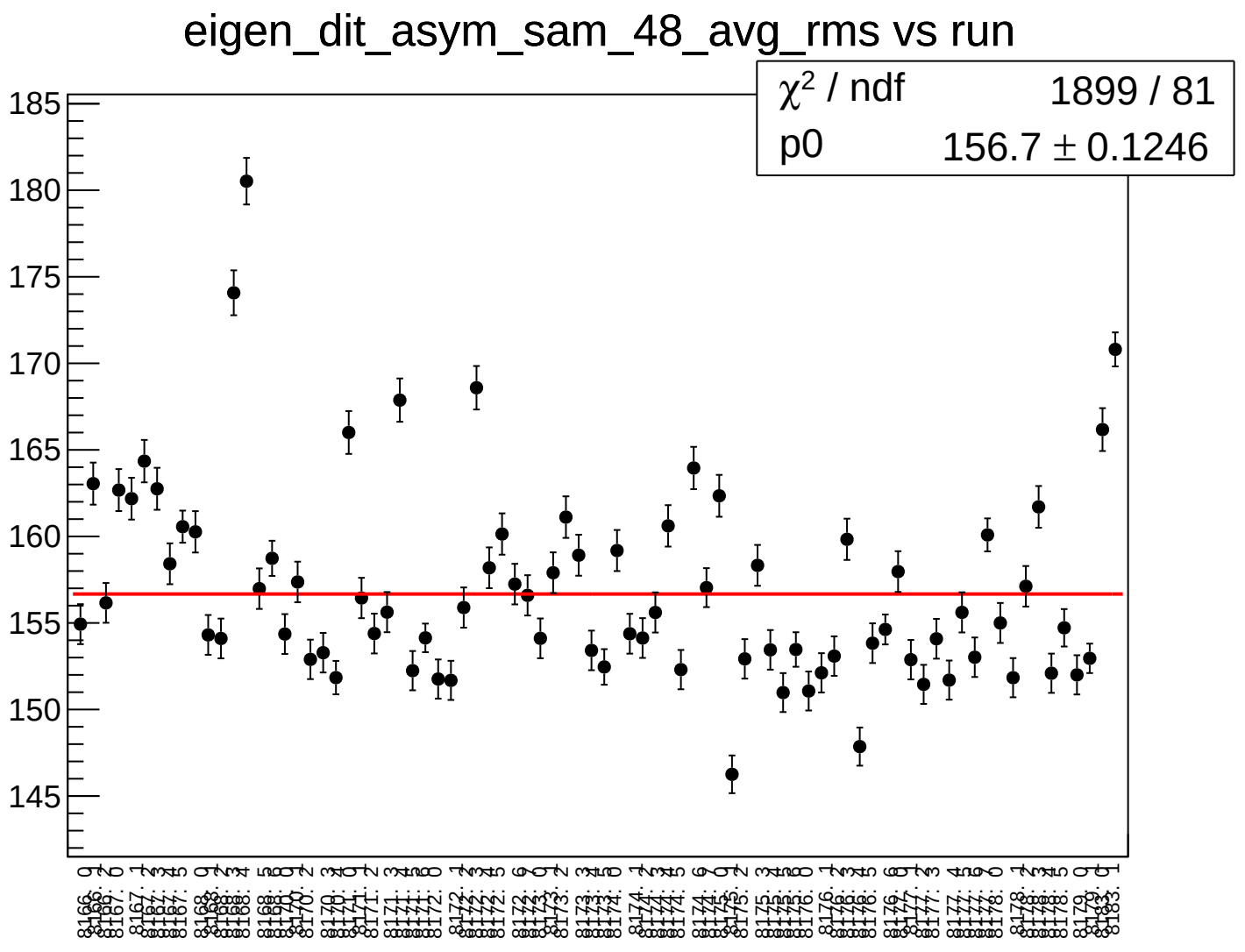

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1899 / 81
p0 156.7 ± 0.1246
185
180
175
170
165
160
155
150
145

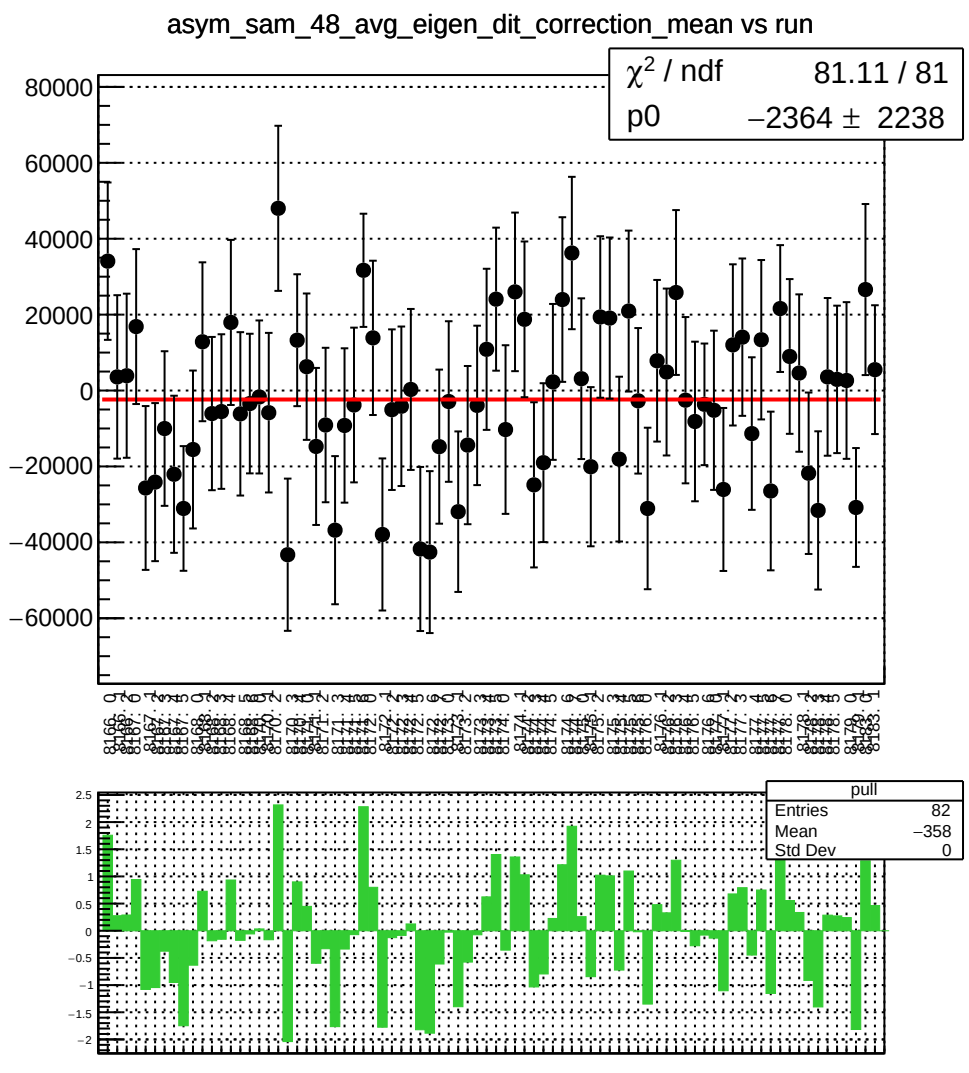

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 81.11 / 81
p0 −2364 ± 2238
pull
Entries 82
Mean −358
Std Dev 0

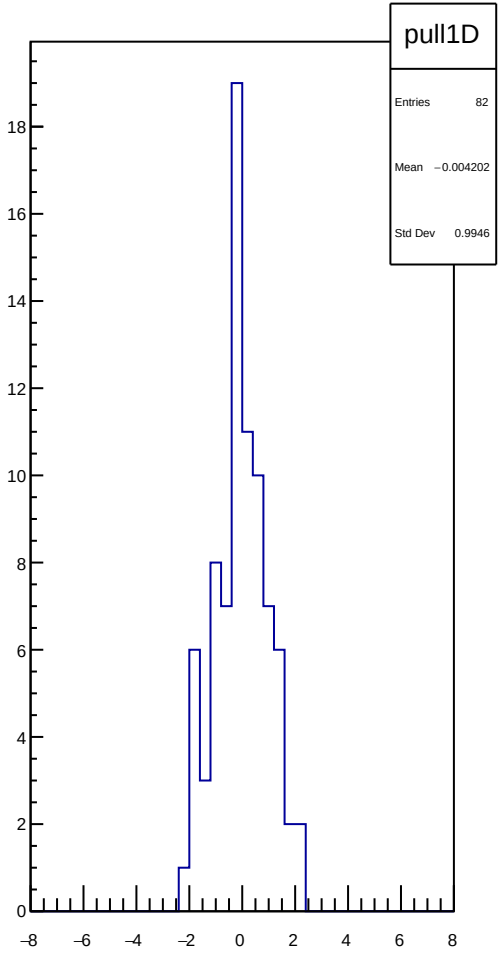

pull1D
Entries 82
Mean −0.004202
Std Dev 0.9946

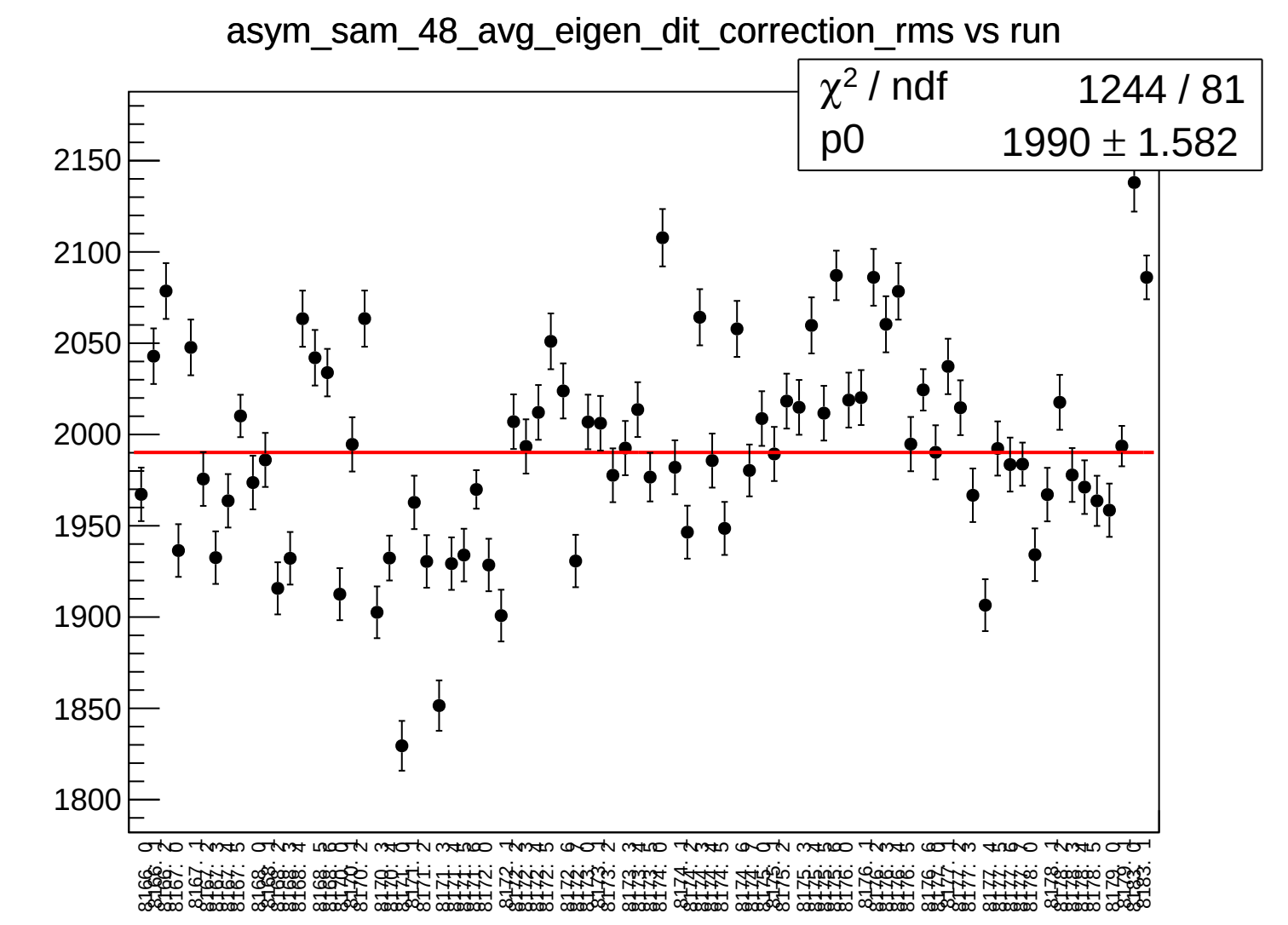

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1244 / 81
p0 1990 ± 1.582
2150
2100
2050
2000
1950
1900
1850
1800

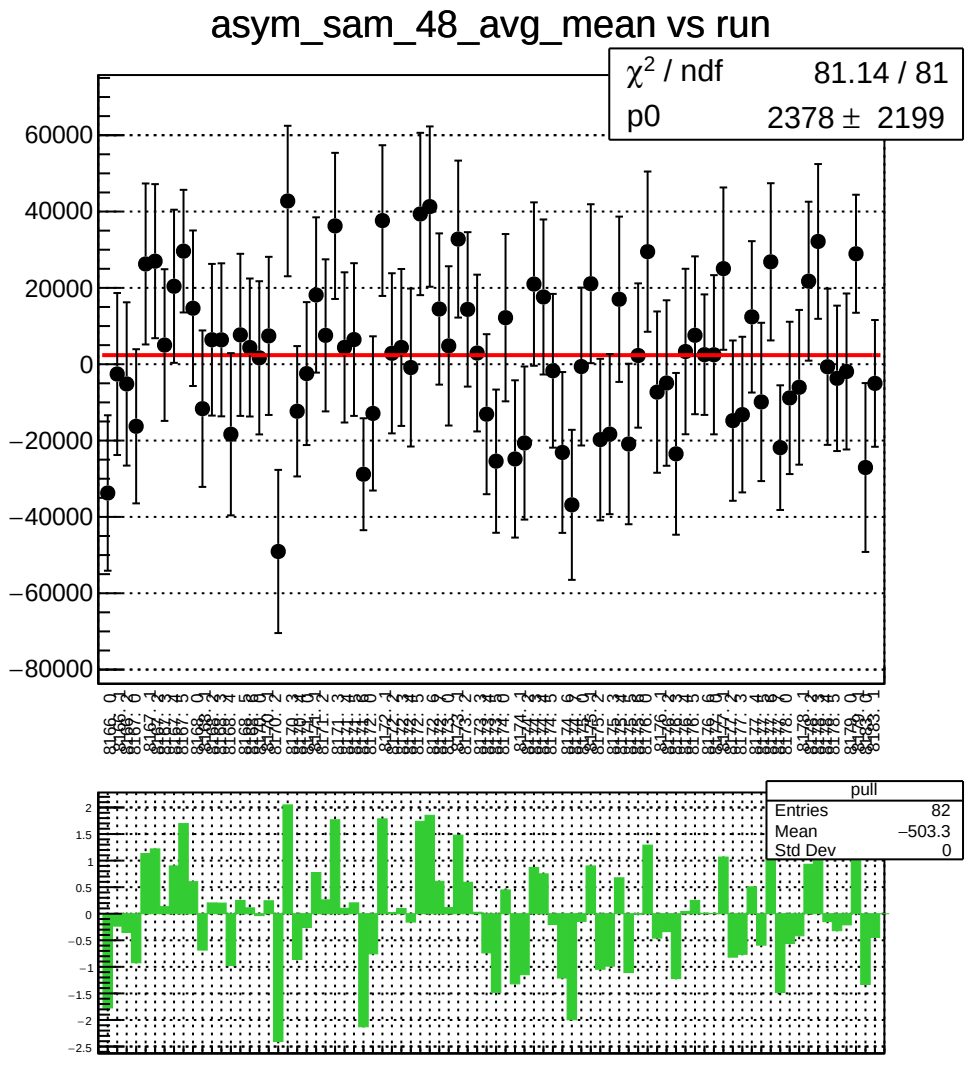

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 91.1 / 81
p0 −28.23 ± 176.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −1040
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.0006875
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

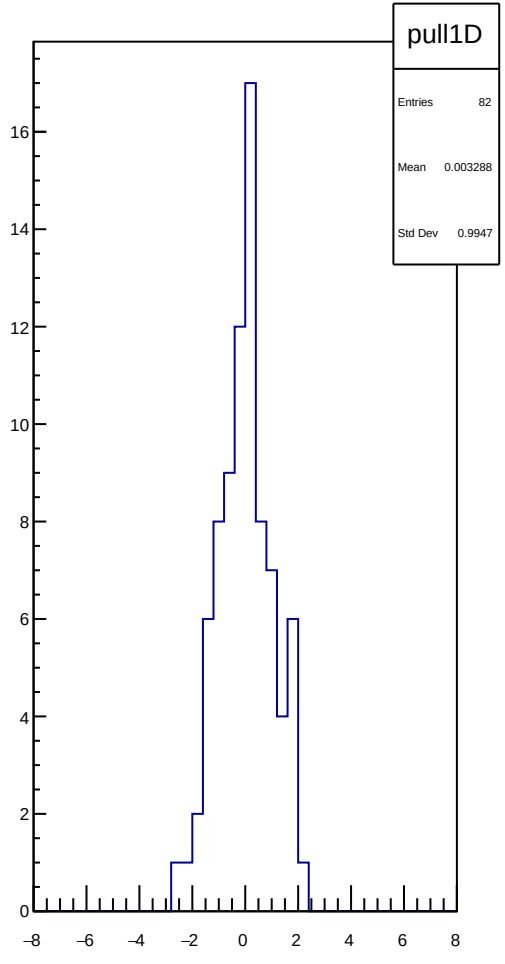

eigen_dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1899 / 81
p0 156.7 ± 0.1246
185
180
175
170
165
160
155
150
145

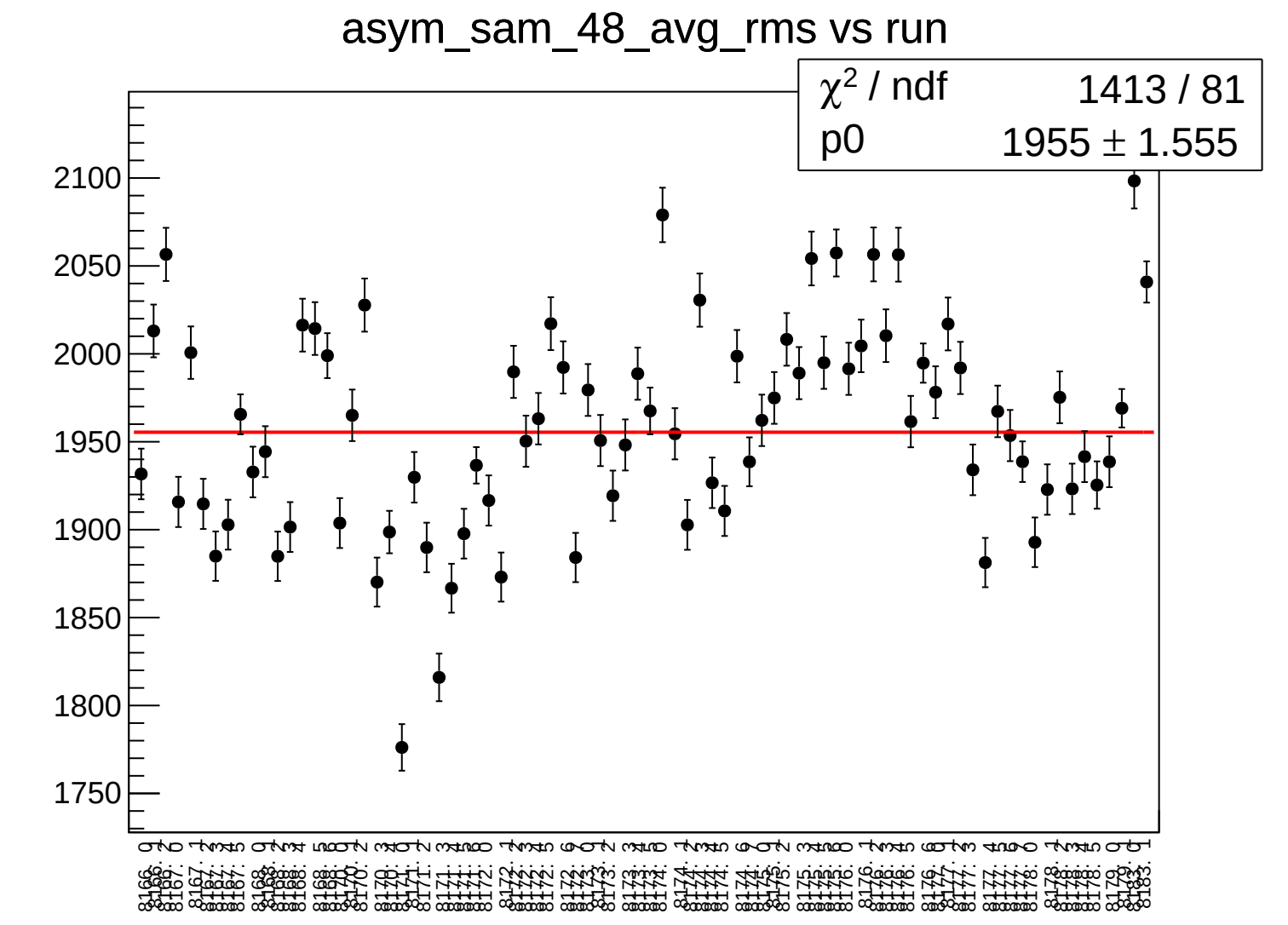

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.11 / 81
p0 −2364 ± 2238
pull
Entries 82
Mean −358
Std Dev 0

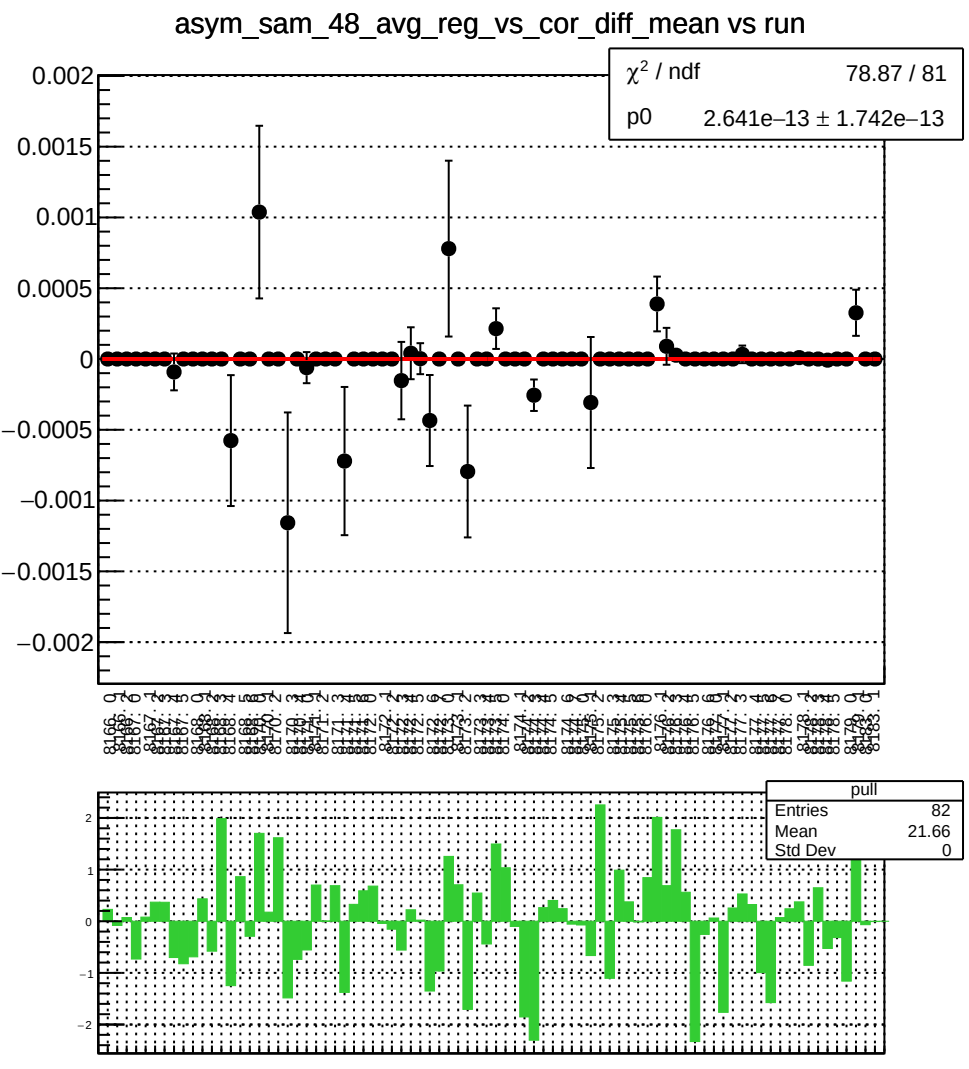

pull1D
Entries 82
Mean −0.004202
Std Dev 0.9946

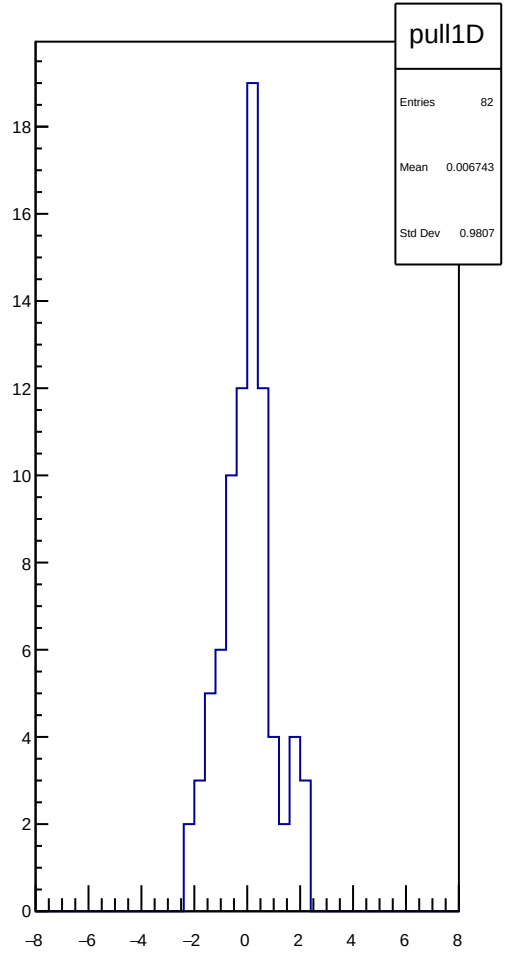

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1244 / 81
p0 1990 ± 1.582
2150
2100
2050
2000
1950
1900
1850
1800

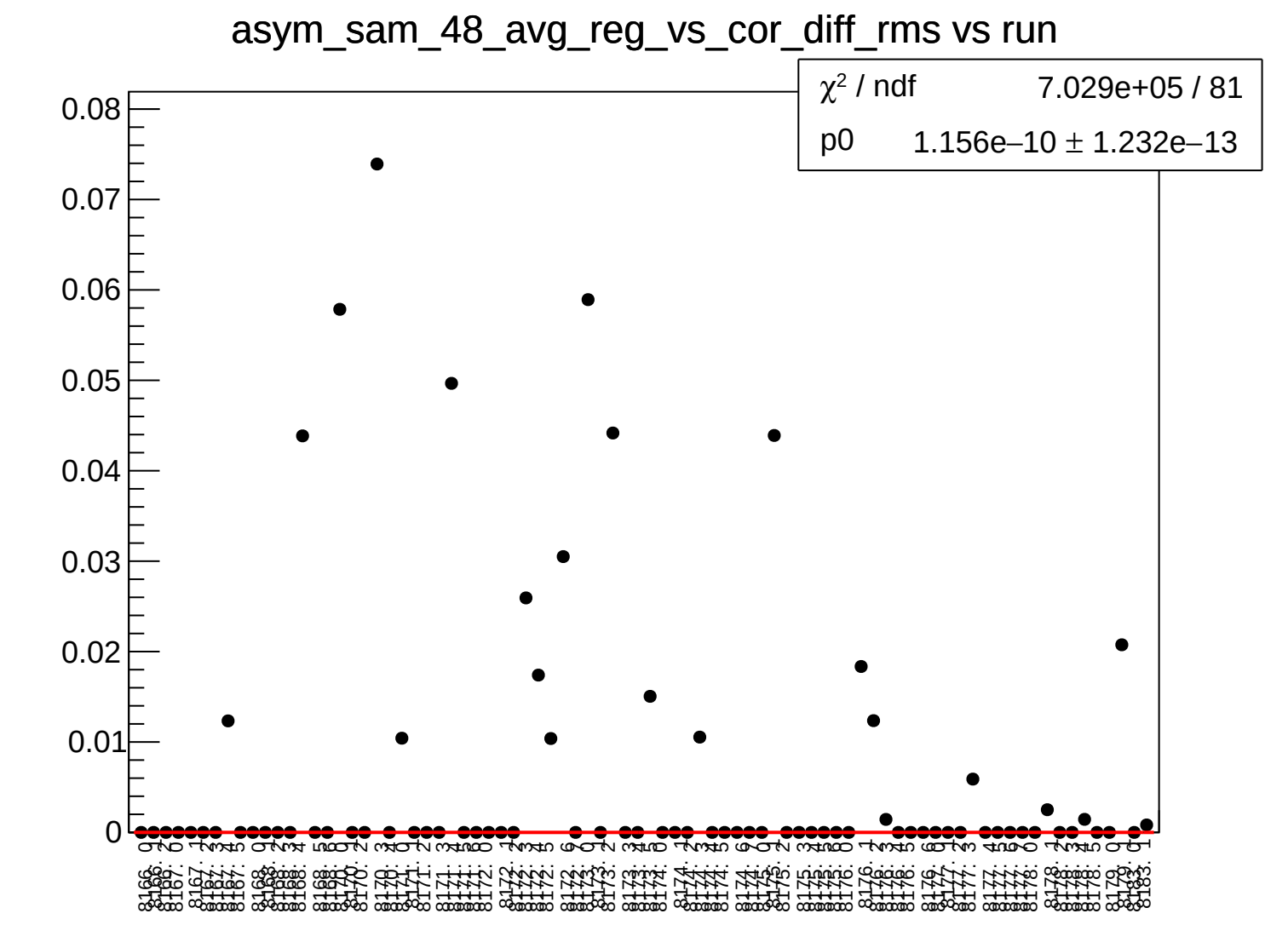

asym_sam_48_avg_mean vs run
χ² / ndf 81.14 / 81
p0 2378 ± 2199
pull
Entries 82
Mean −503.3
Std Dev 0


pull1D
Entries 82
Mean 0.003288
Std Dev 0.9947

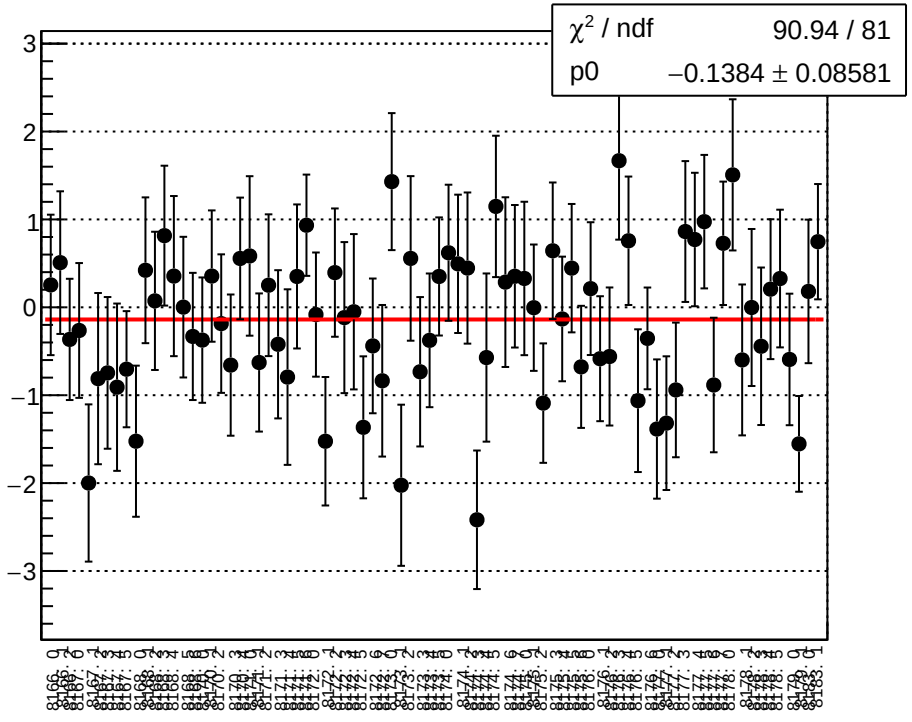

asym_sam_48_avg_rms vs run
χ² / ndf 1413 / 81
p0 1955 ± 1.555
2100
2050
2000
1950
1900
1850
1800
1750

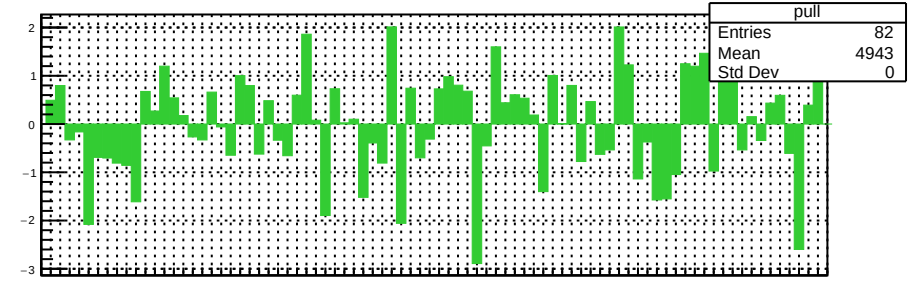

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 78.87 / 81
p0 2.641e−13 ± 1.742e−13
pull
Entries 82
Mean 21.66
Std Dev 0

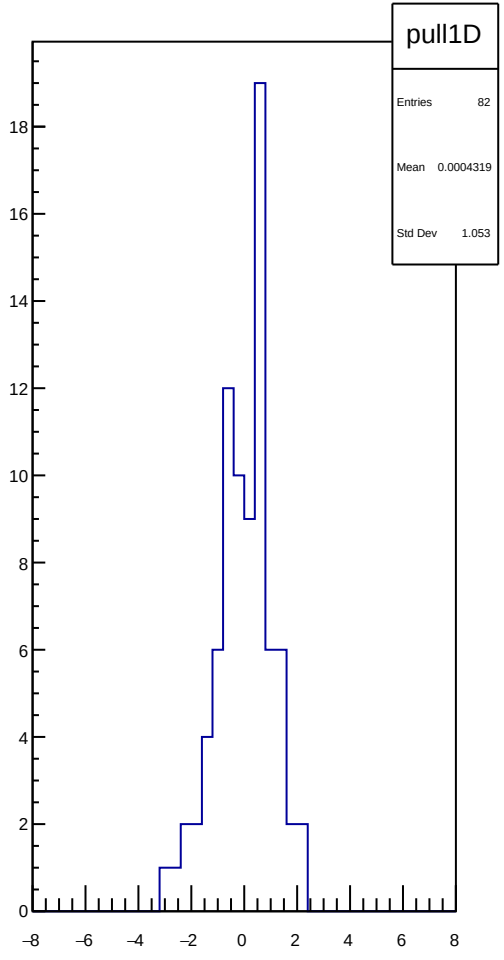

pull1D
Entries 82
Mean 0.006743
Std Dev 0.9807

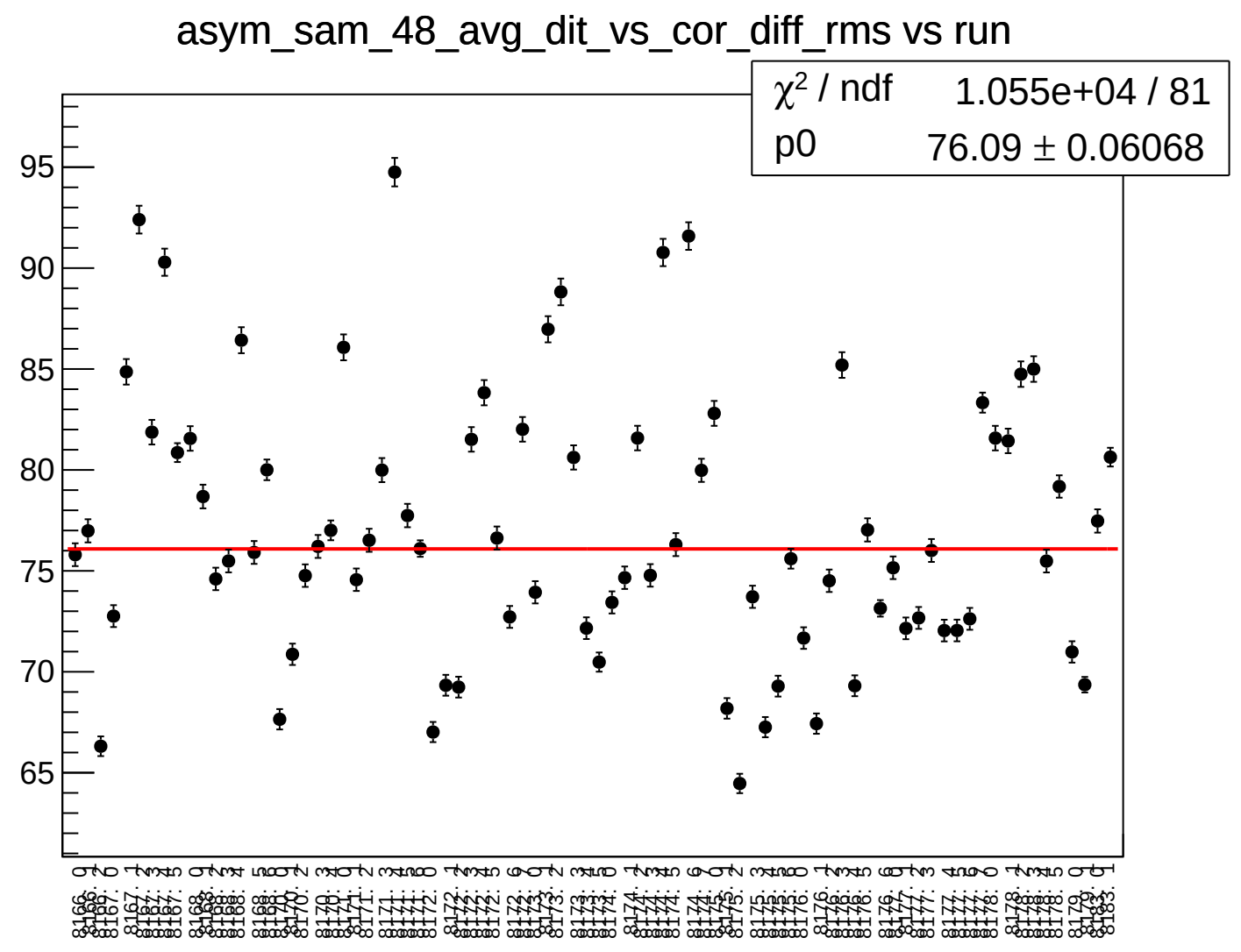

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.029e+05 / 81
p0 1.156e−10 ± 1.232e−13
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

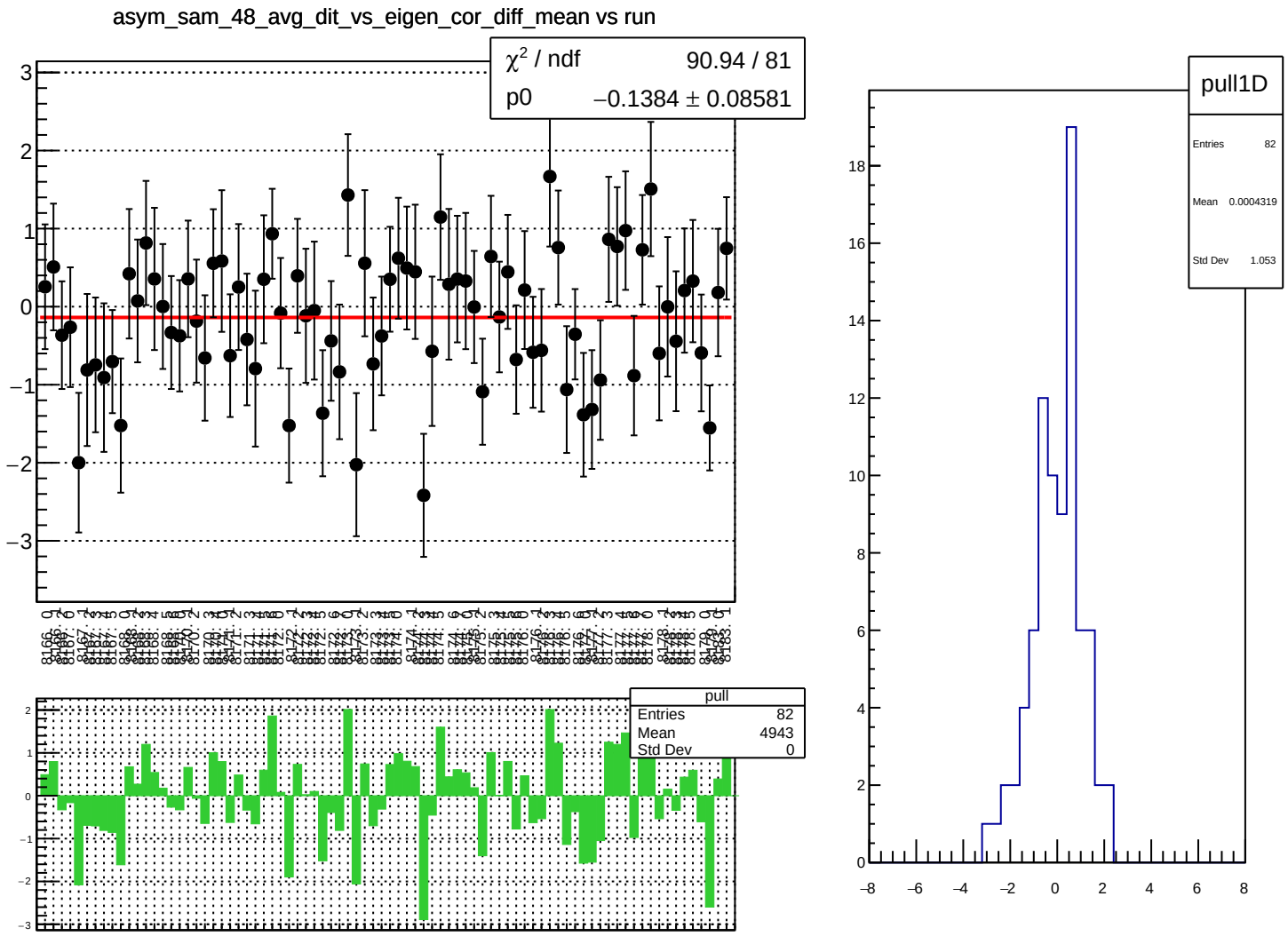
asym_sam_48_avg_dit_vs_cor_diff_mean vs run

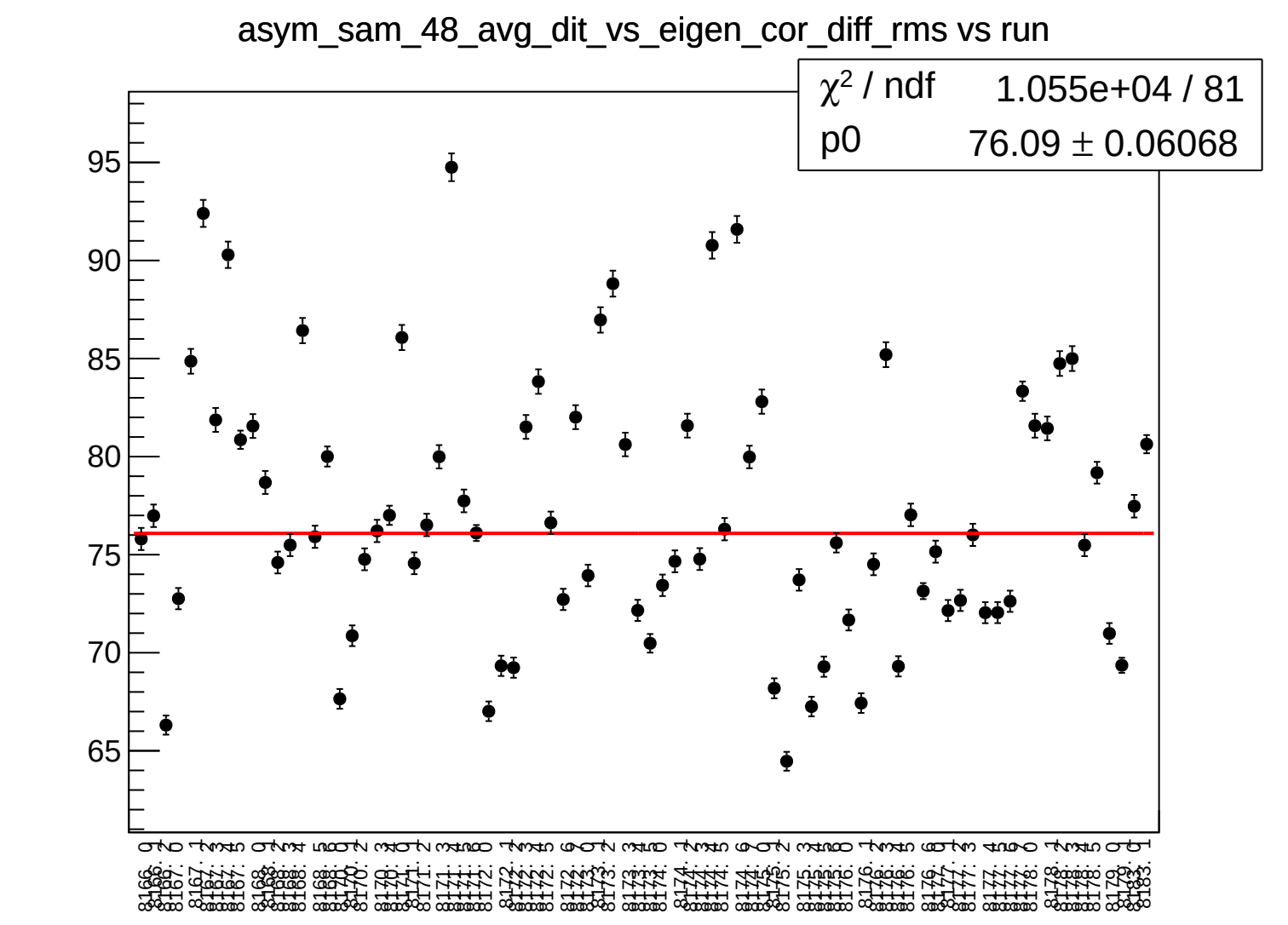


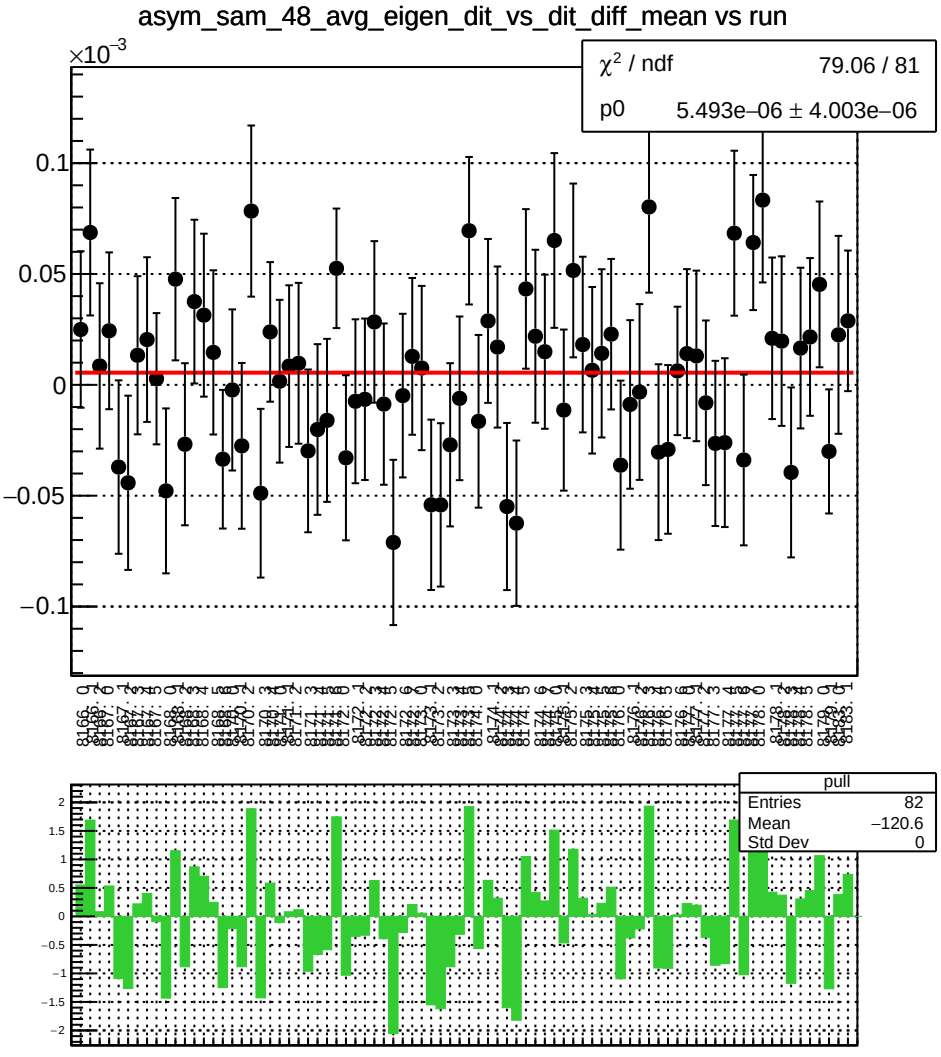


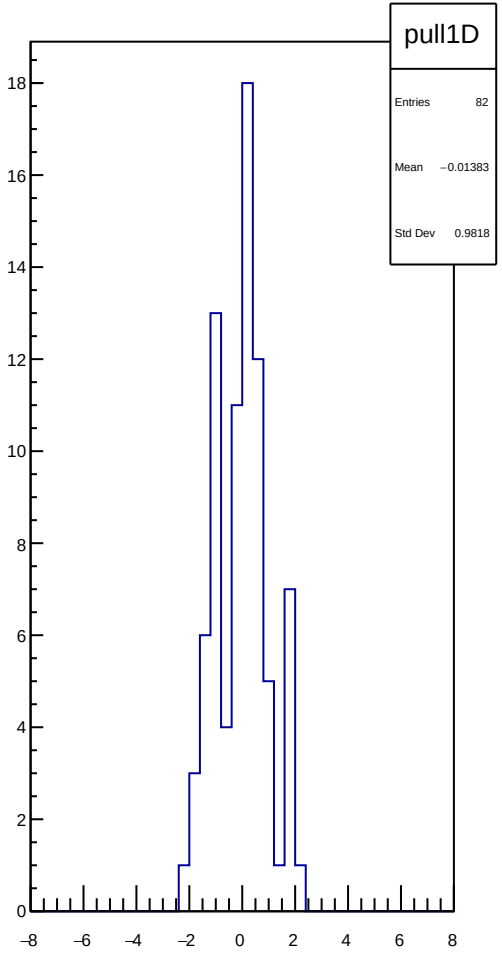


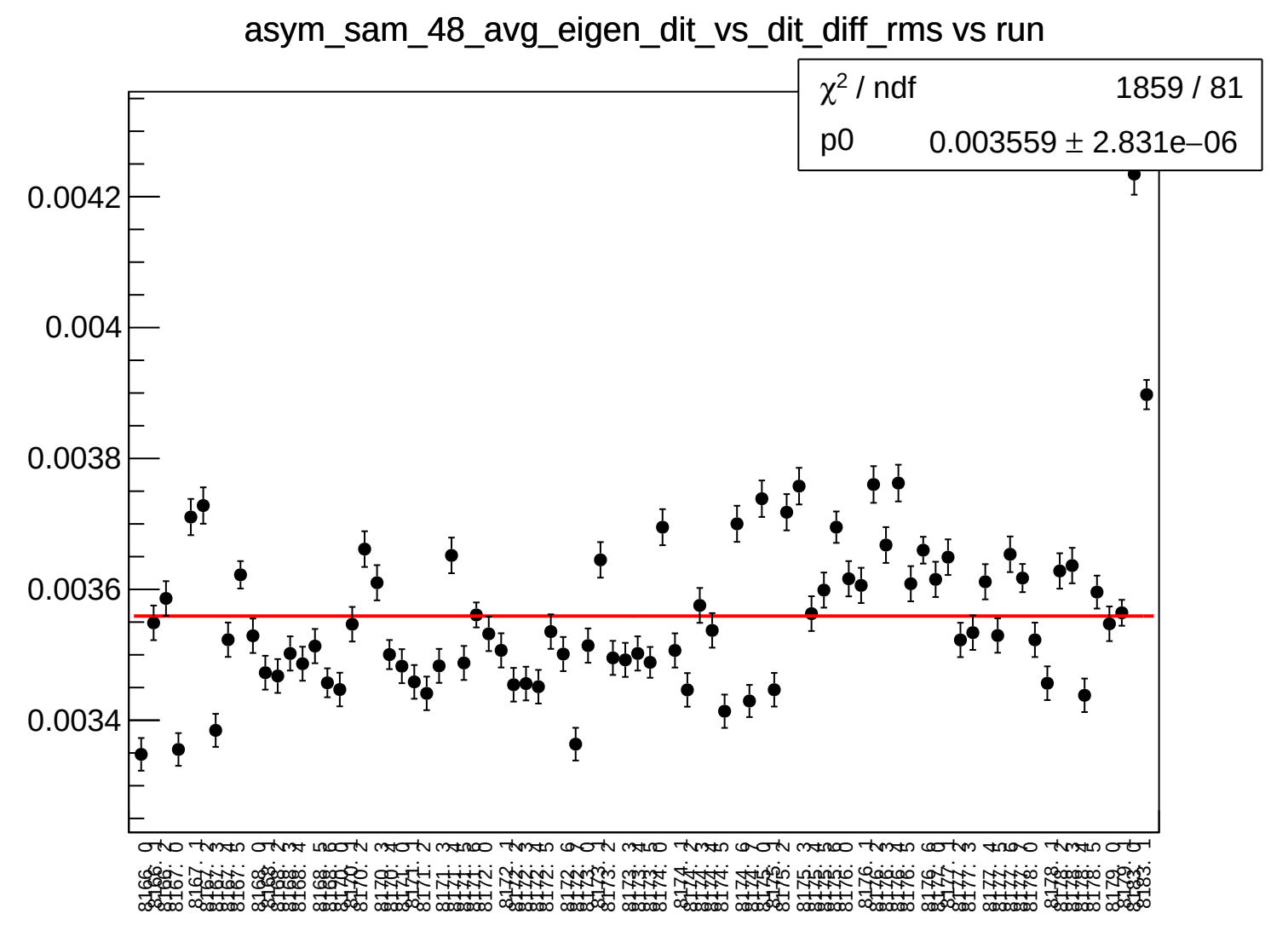

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.055e+04 / 81
p0 76.09 ± 0.06068
95
90
85
80
75
70
65

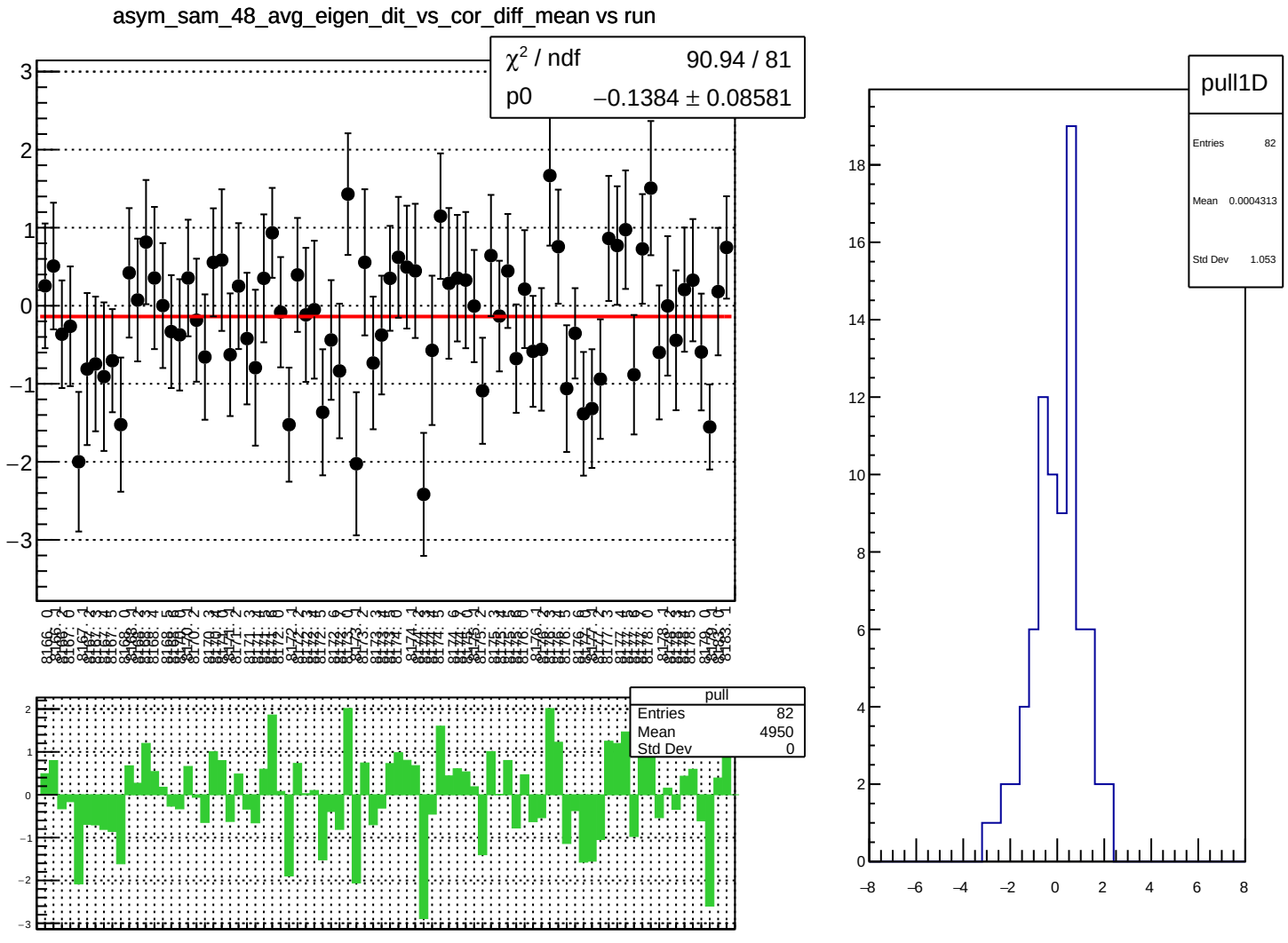

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.94 / 81
p0 −0.1384 ± 0.08581
pull
Entries 82
Mean 4943
Std Dev 0
pull1D
Entries 82
Mean 0.0004319
Std Dev 1.053

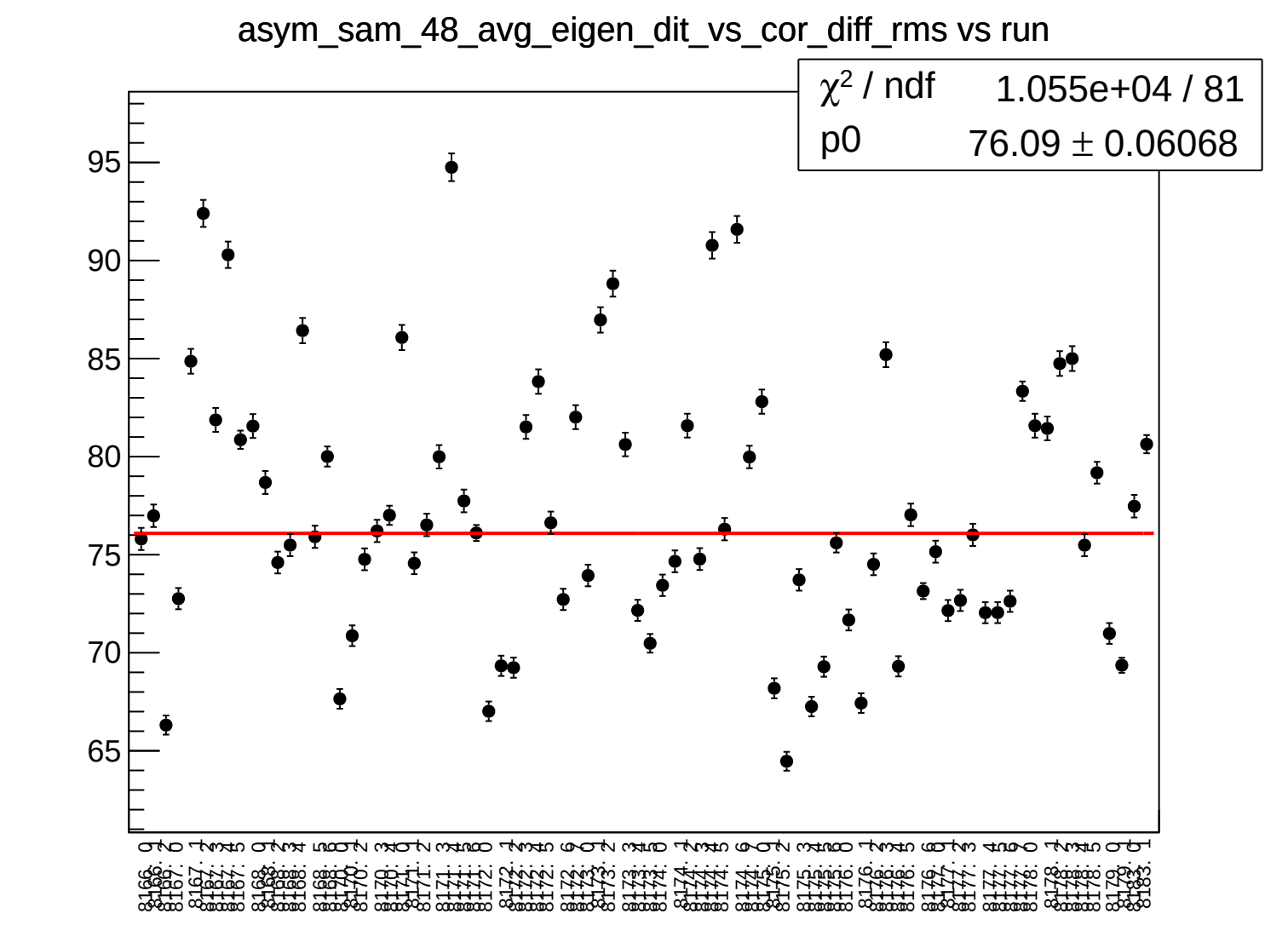

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.055e+04 / 81
p0 76.09 ± 0.06068
95
90
85
80
75
70
65

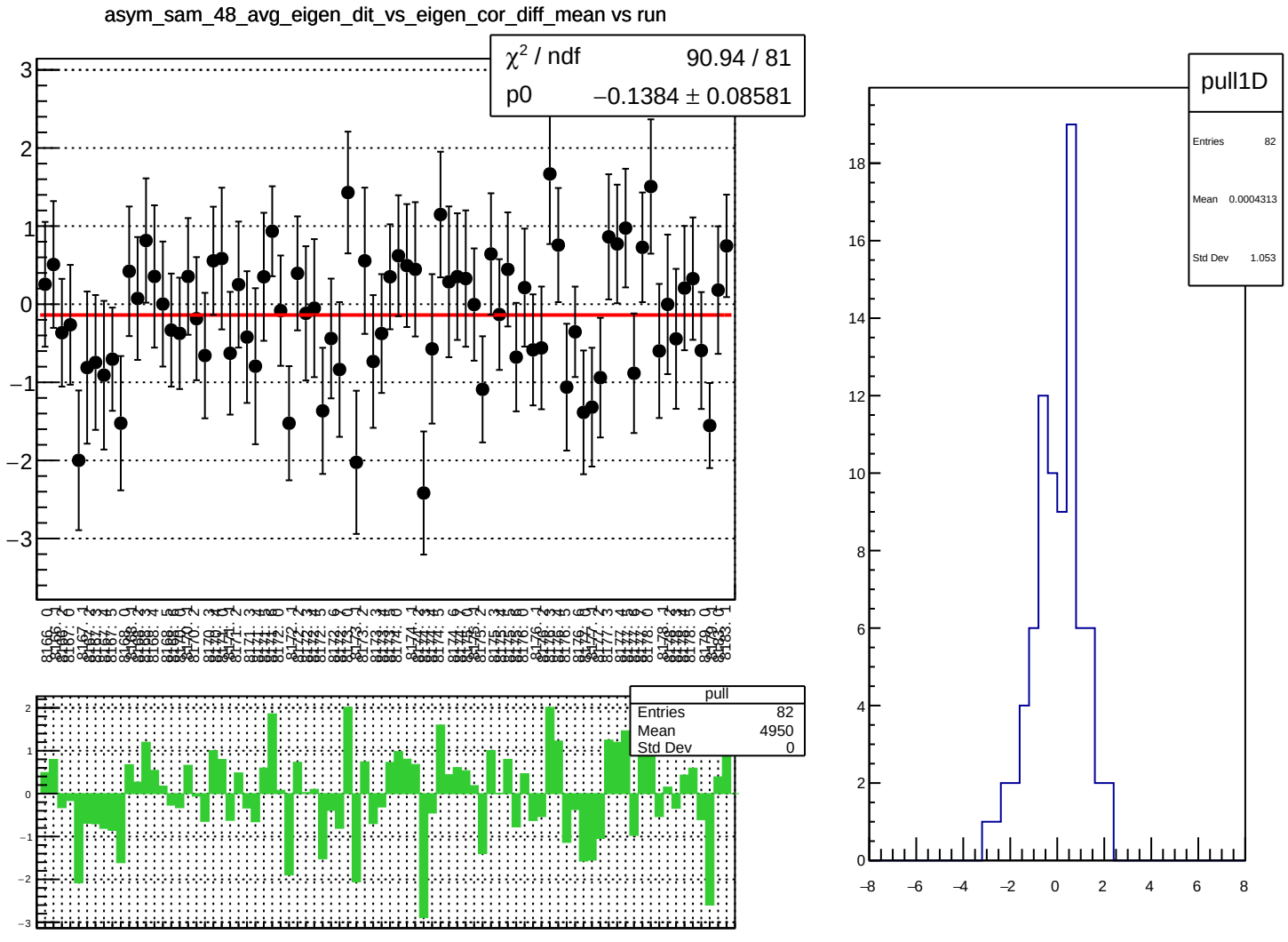

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.06 / 81
p0 5.493e−06 ± 4.003e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean −120.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

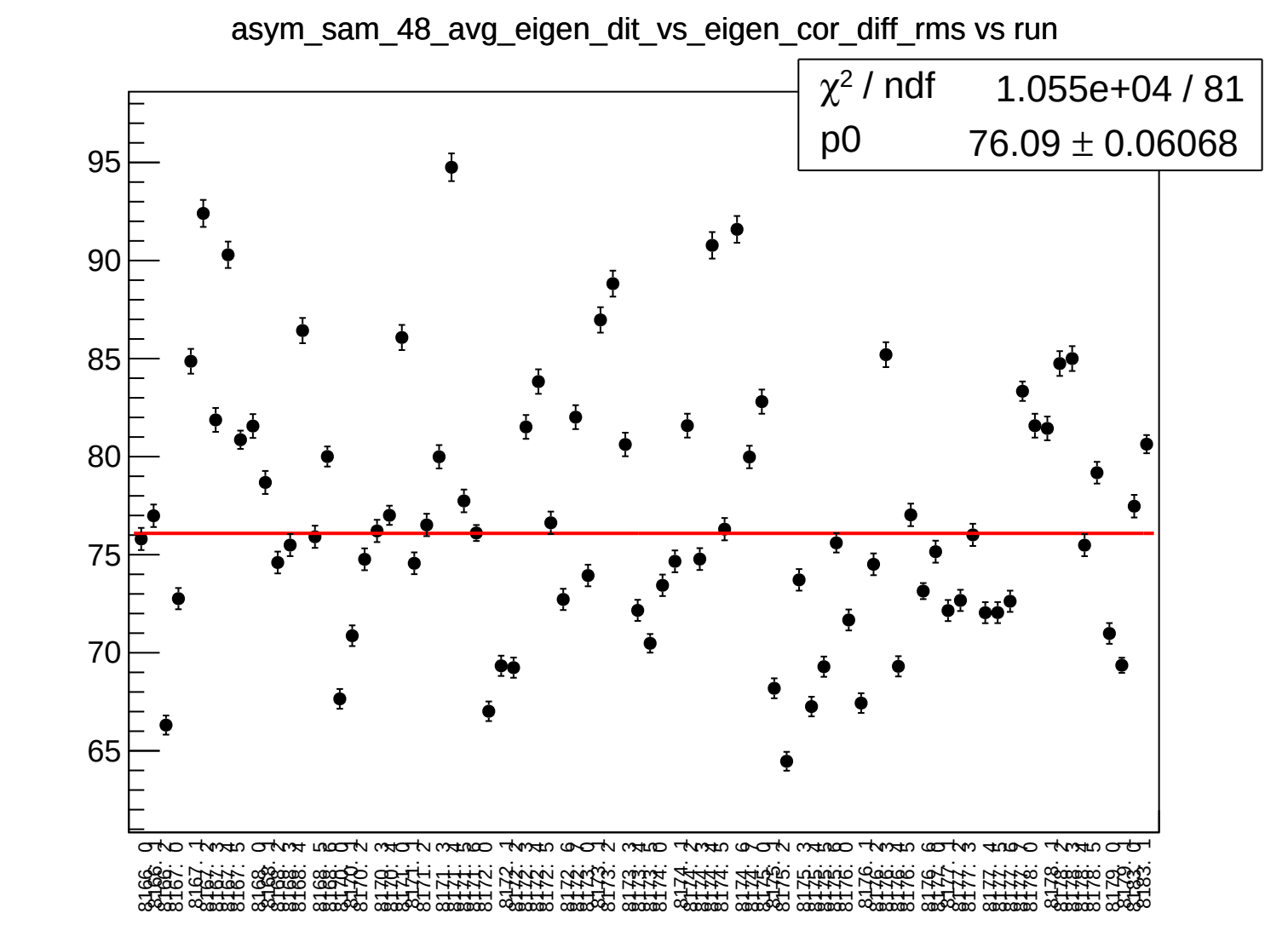

pull1D
Entries 82
Mean −0.01383
Std Dev 0.9818
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

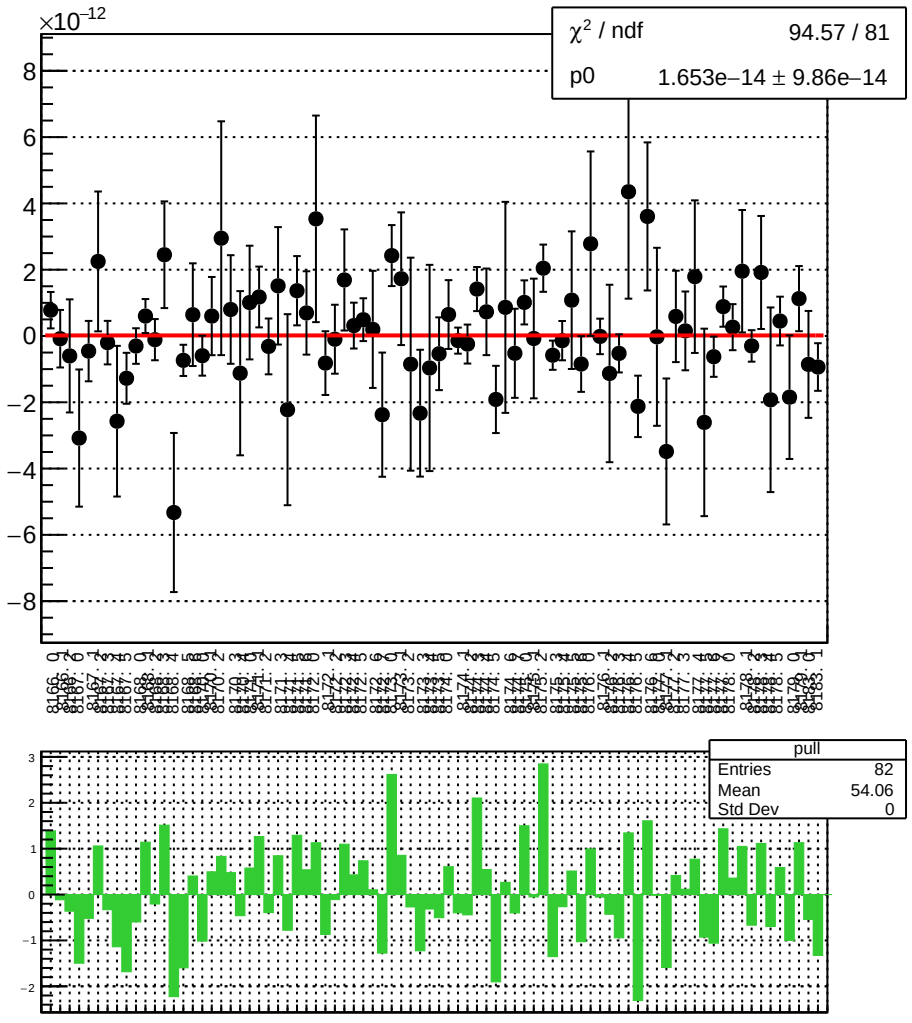

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1859 / 81
p0 0.003559 ± 2.831e−06
0.0042
0.004
0.0038
0.0036
0.0034

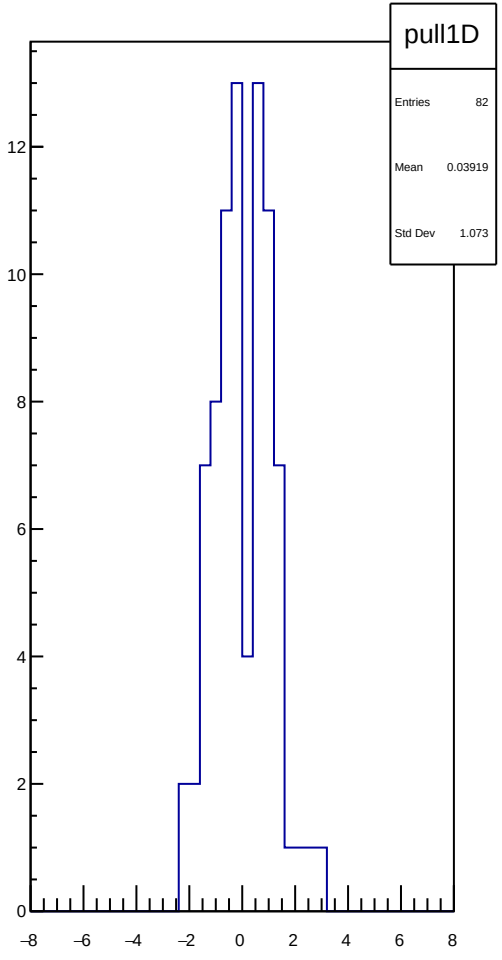

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.94 / 81
p0 −0.1384 ± 0.08581
pull
Entries 82
Mean 4950
Std Dev 0
pull1D
Entries 82
Mean 0.0004313
Std Dev 1.053

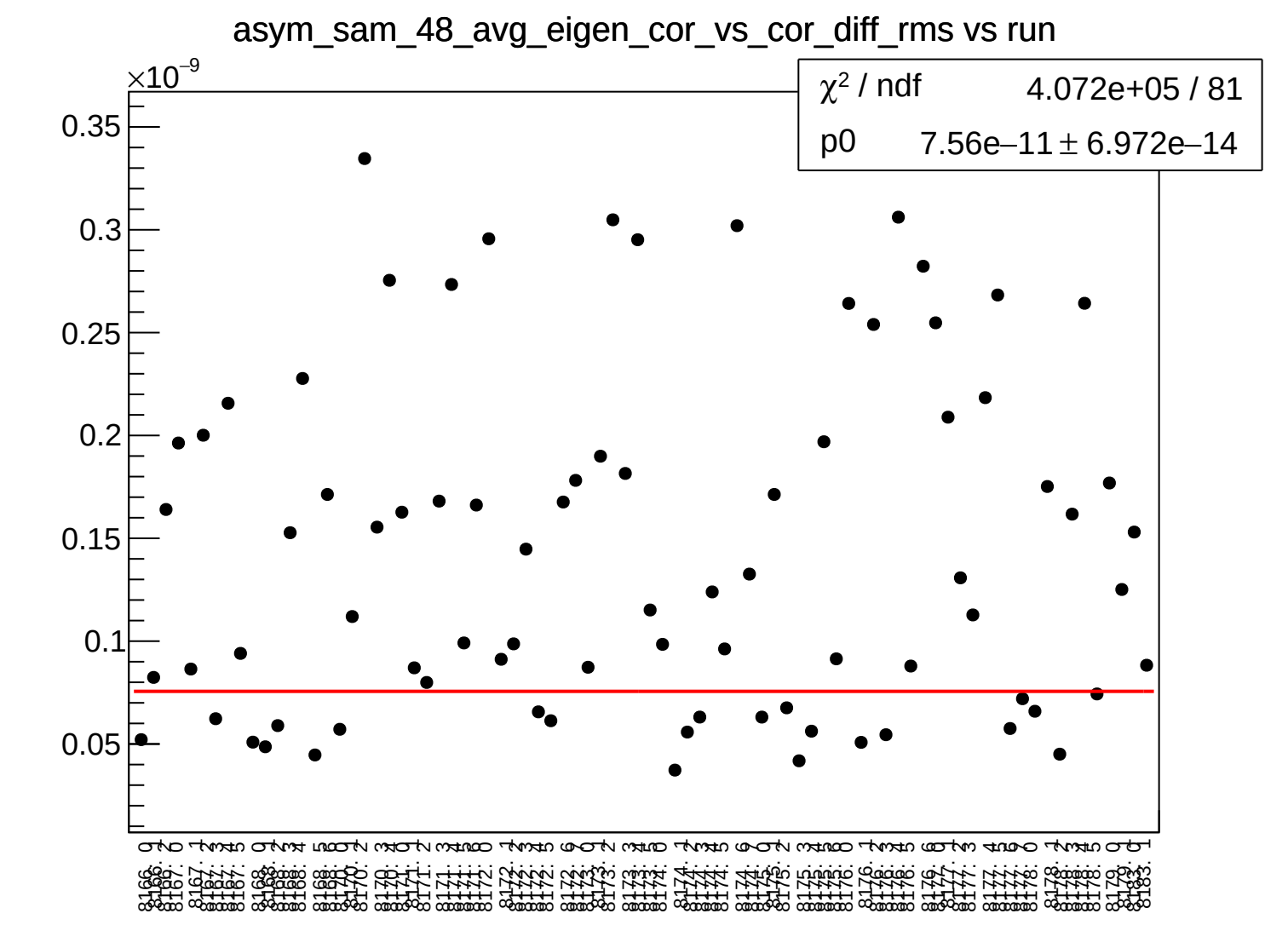

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.055e+04 / 81
p0 76.09 ± 0.06068
95
90
85
80
75
70
65

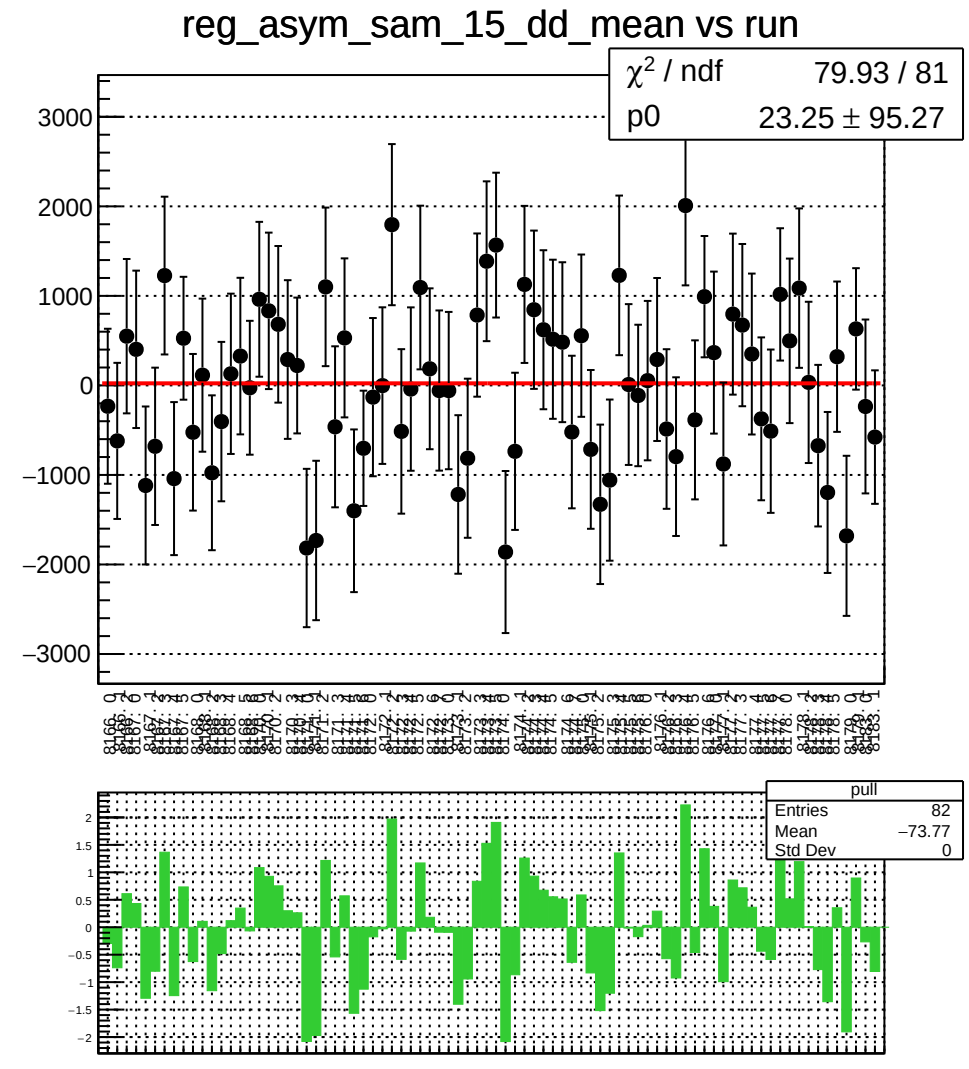

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.94 / 81
p0 −0.1384 ± 0.08581
pull
Entries 82
Mean 4950
Std Dev 0
pull1D
Entries 82
Mean 0.0004313
Std Dev 1.053

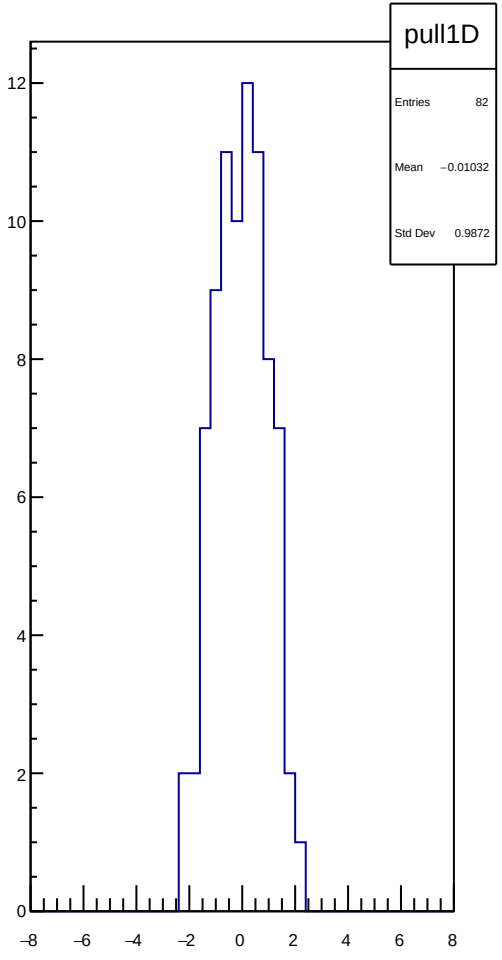

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.055e+04 / 81
p0 76.09 ± 0.06068
95
90
85
80
75
70
65

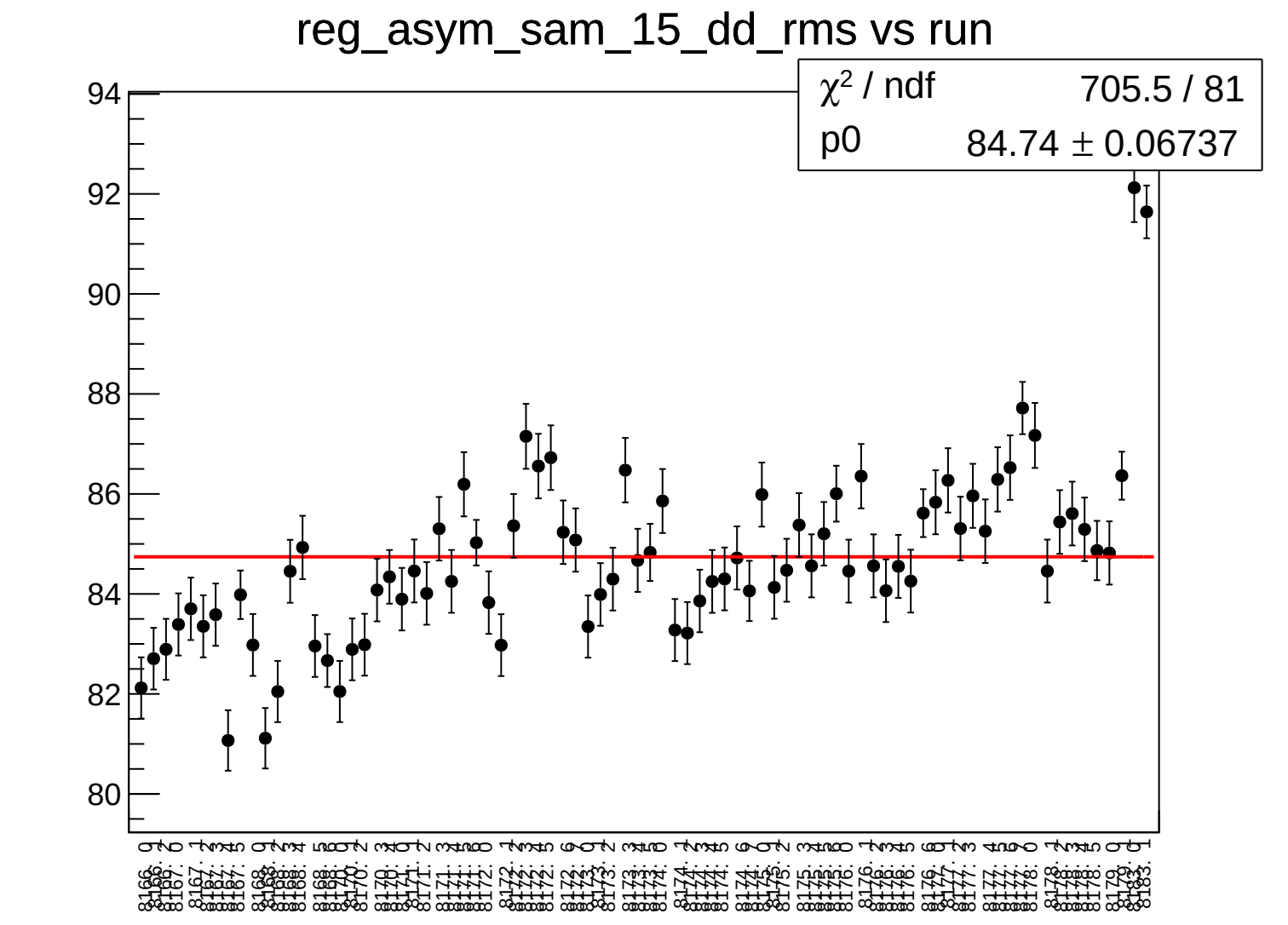

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.57 / 81
p0 1.653e−14 ± 9.86e−14
pull
Entries 82
Mean 54.06
Std Dev 0

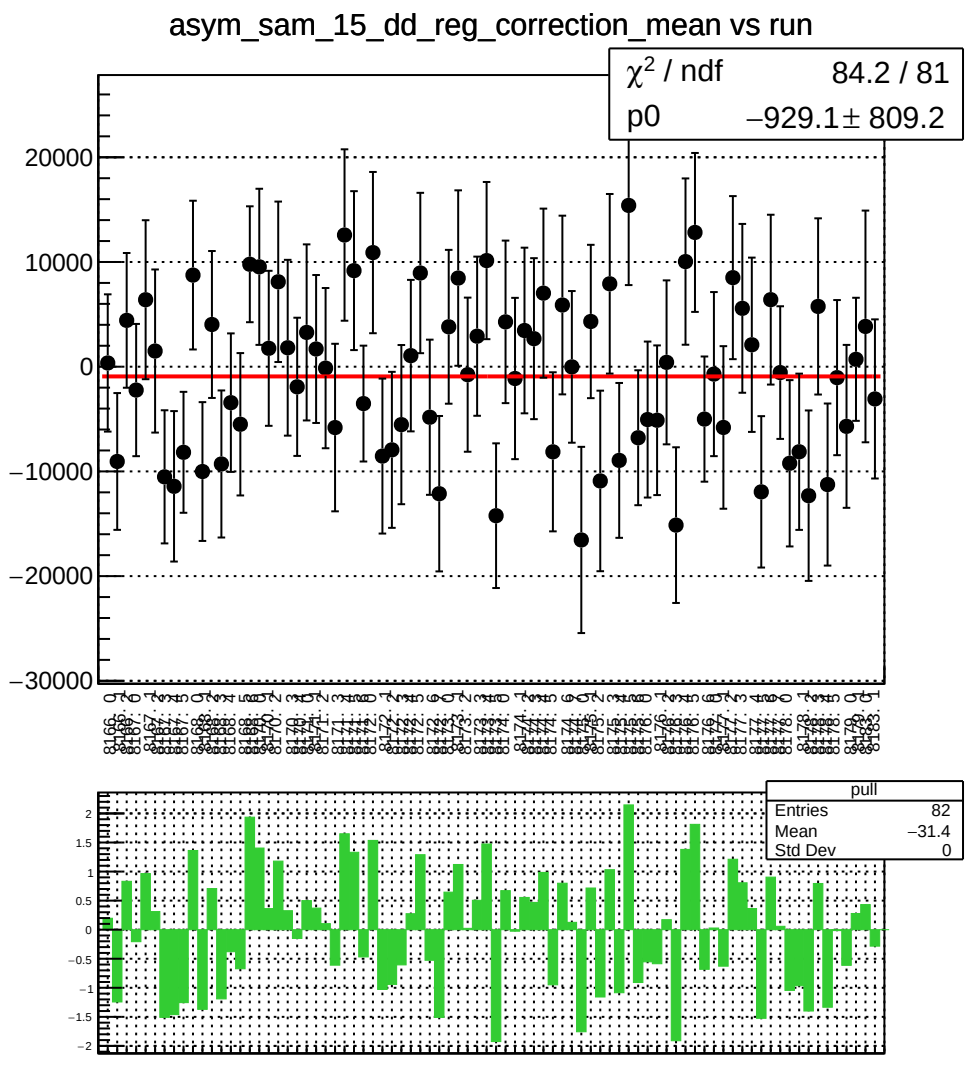

pull1D
Entries 82
Mean 0.03919
Std Dev 1.073

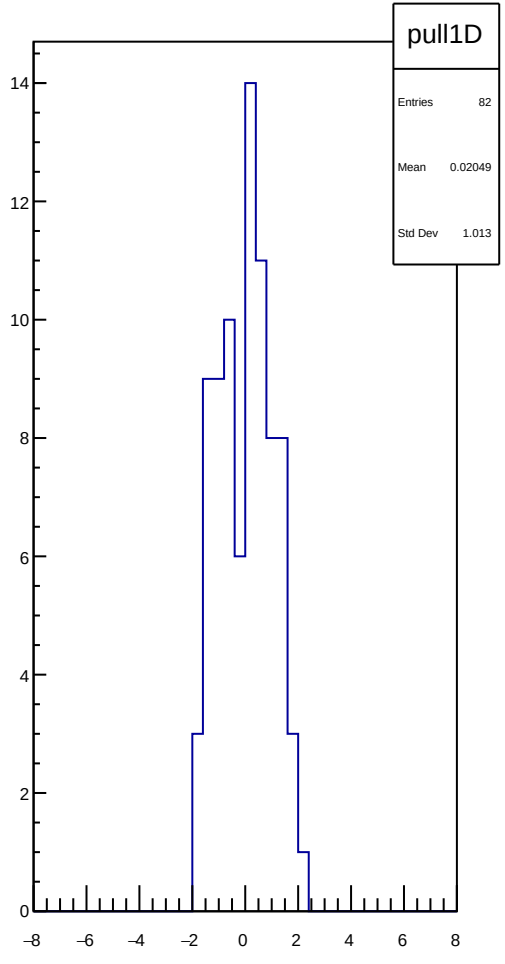

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.072e+05 / 81
p0 7.56e−11 ± 6.972e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

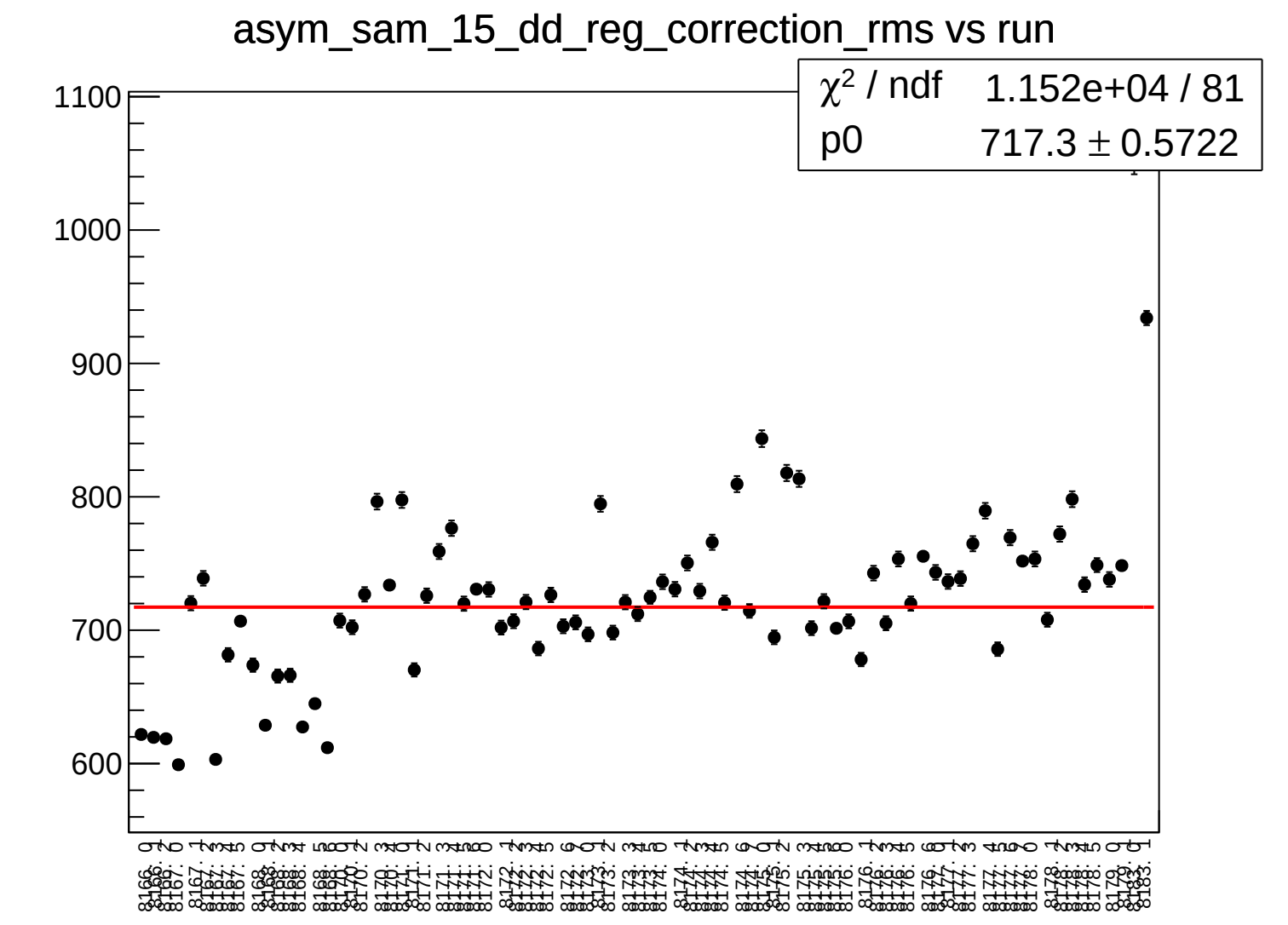

reg_asym_sam_15_dd_mean vs run
χ² / ndf 79.93 / 81
p0 23.25 ± 95.27
pull
Entries 82
Mean −73.77
Std Dev 0

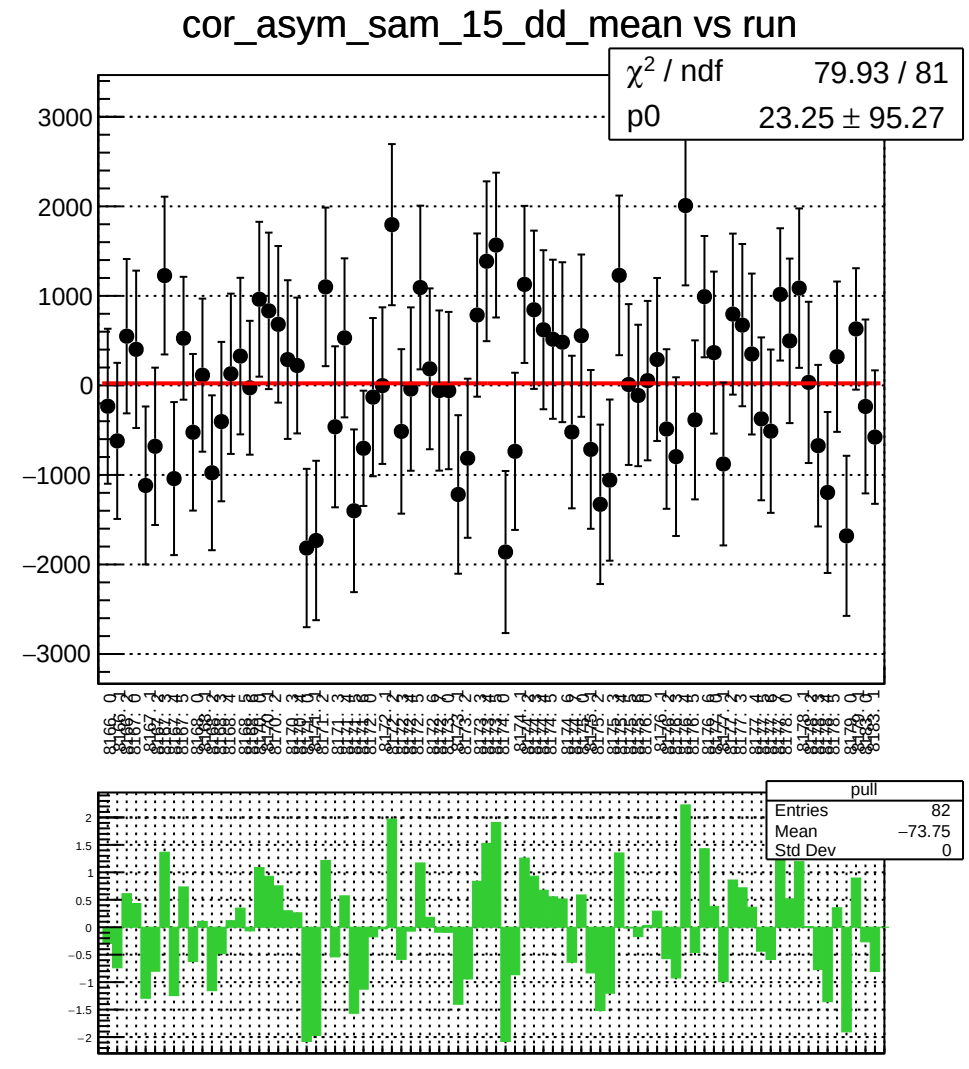

pull1D
Entries 82
Mean −0.01032
Std Dev 0.9872

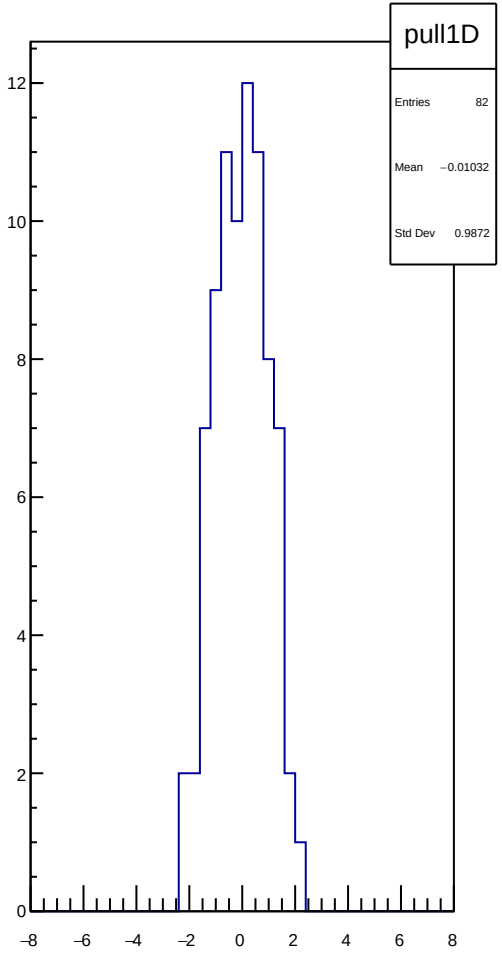

reg_asym_sam_15_dd_rms vs run
χ² / ndf 705.5 / 81
p0 84.74 ± 0.06737
94
92
90
88
86
84
82
80

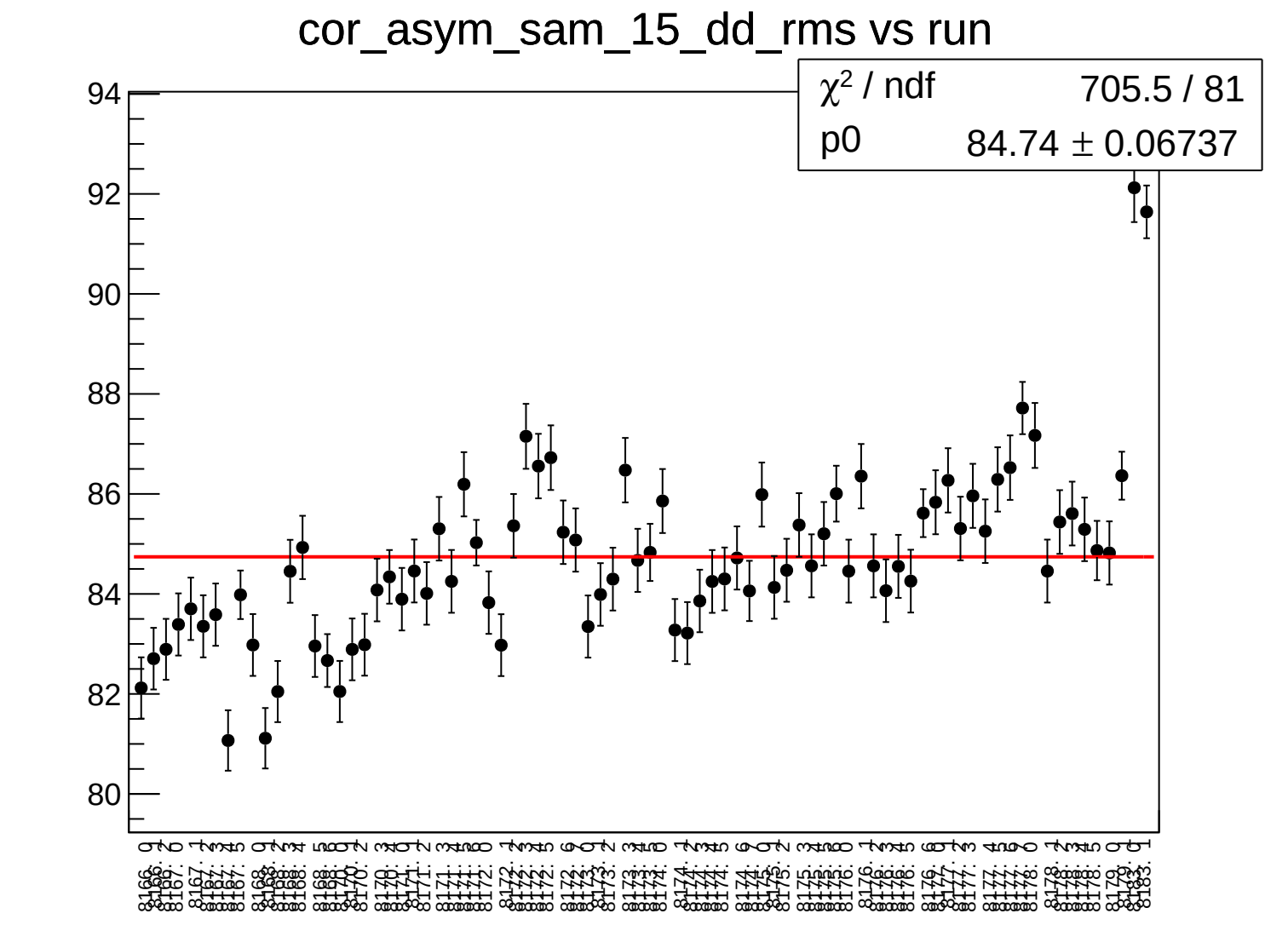

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 84.2 / 81
p0 −929.1 ± 809.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −31.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

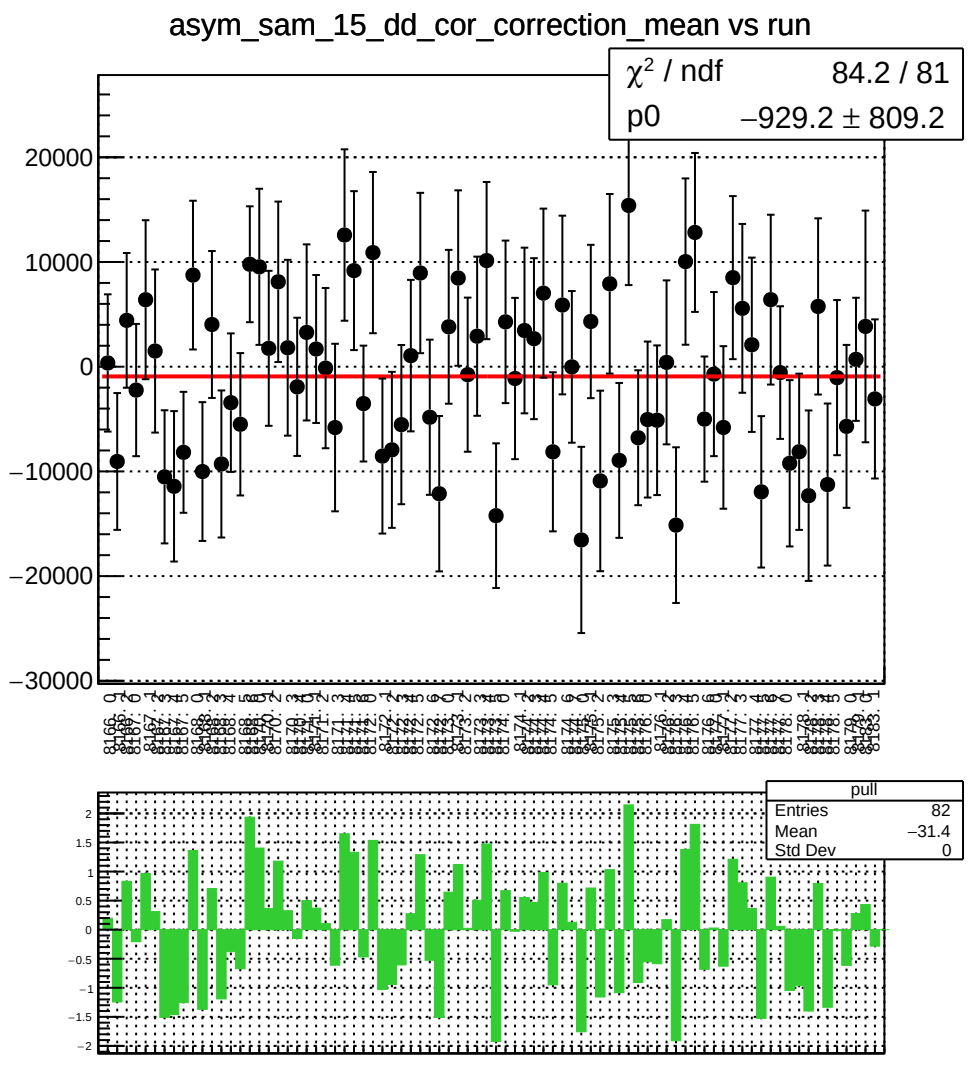

pull1D
Entries 82
Mean 0.02049
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

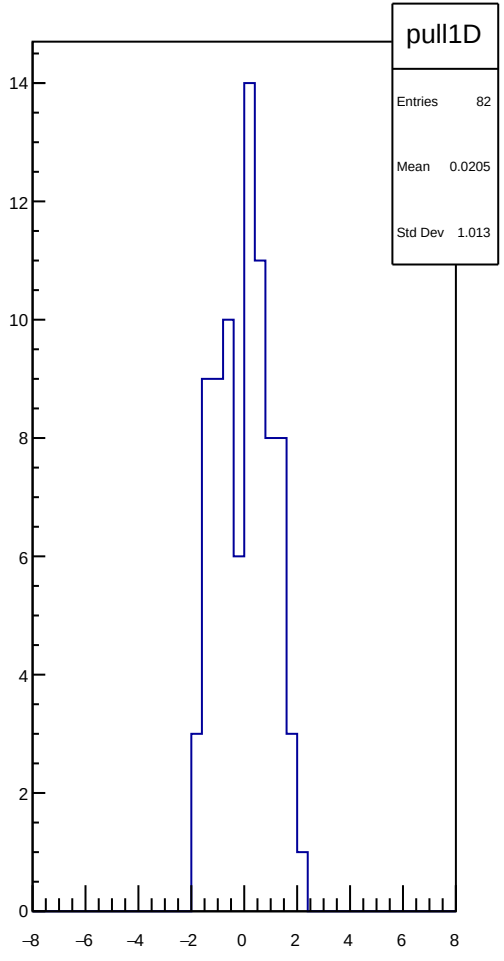

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 1.152e+04 / 81
p0 717.3 ± 0.5722
1100
1000
900
800
700
600

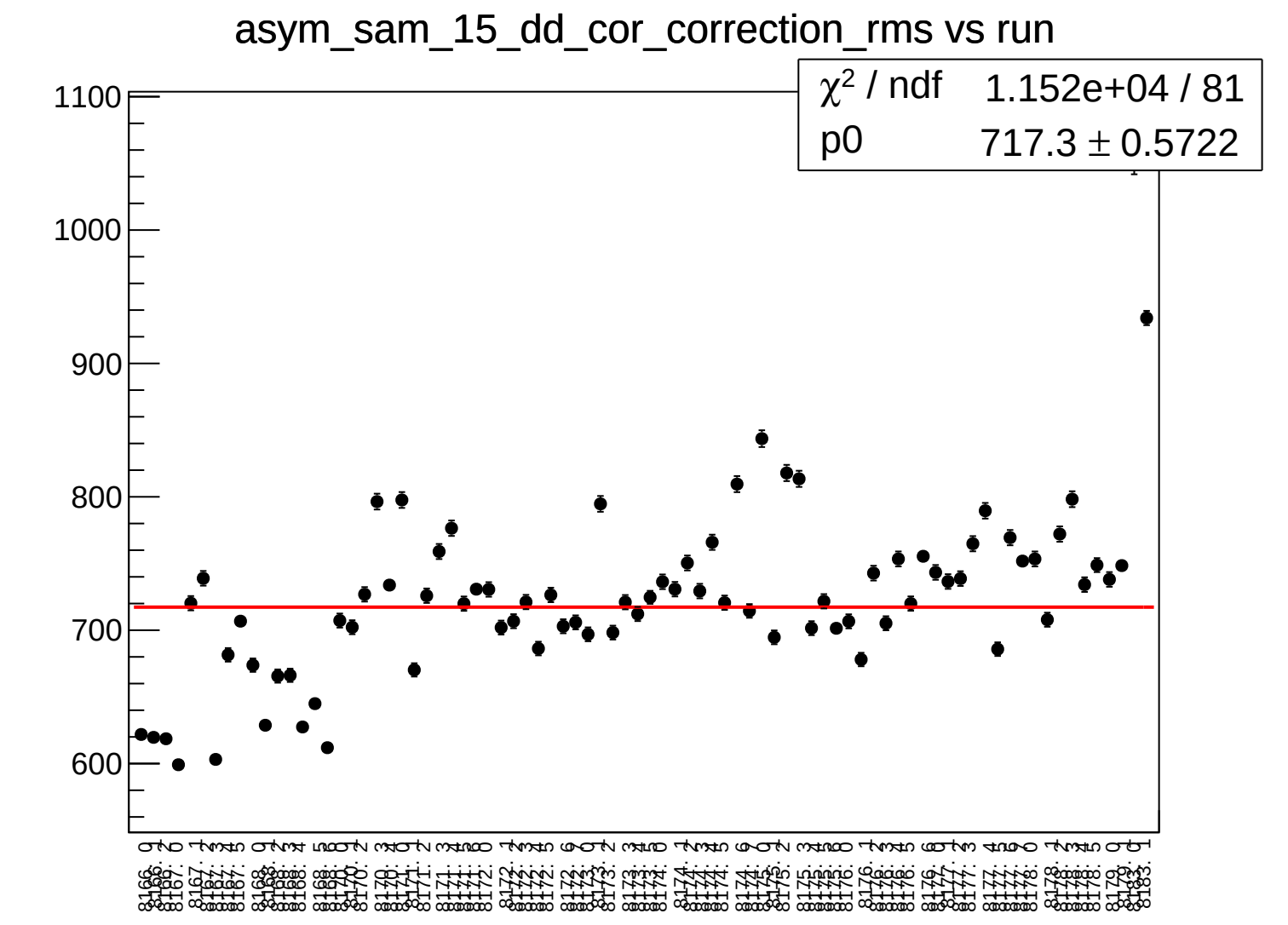

cor_asym_sam_15_dd_mean vs run
χ² / ndf 79.93 / 81
p0 23.25 ± 95.27
pull
Entries 82
Mean −73.75
Std Dev 0

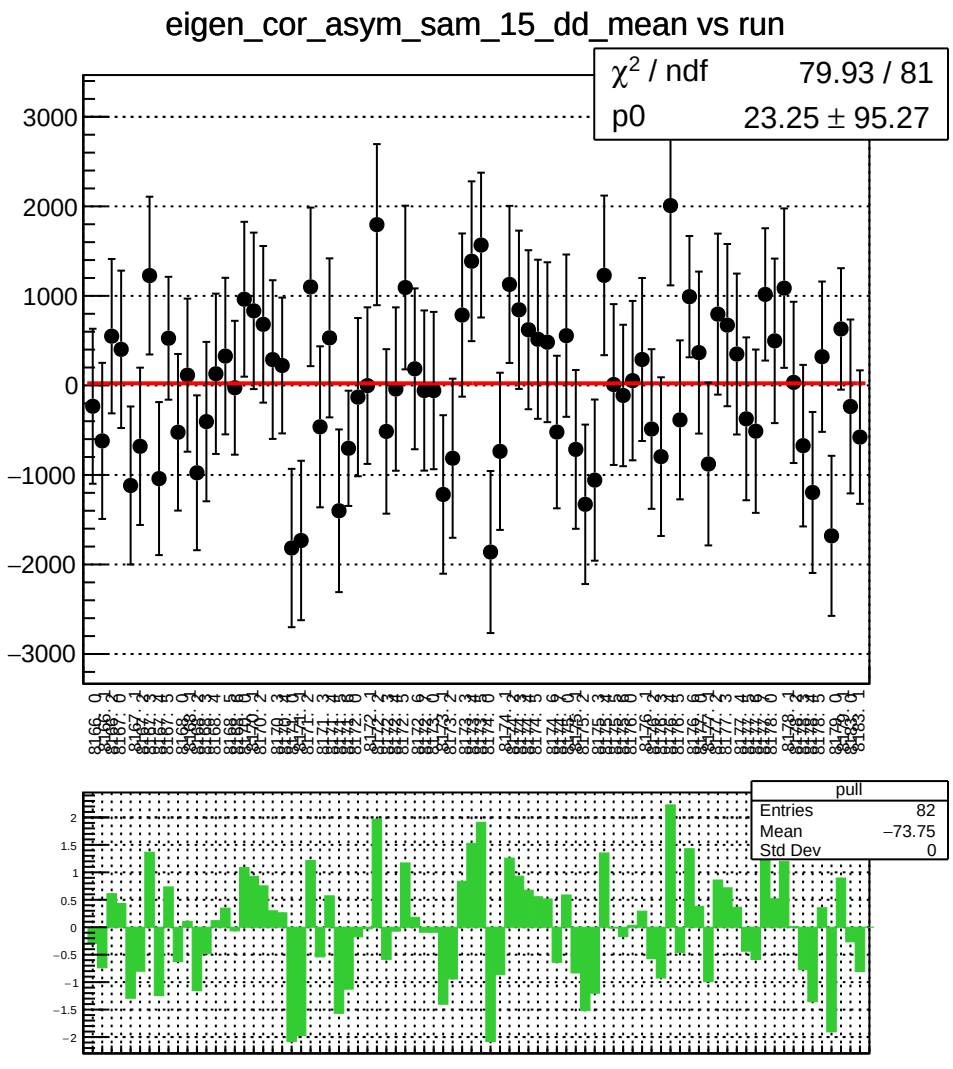

pull1D
Entries 82
Mean −0.01032
Std Dev 0.9872

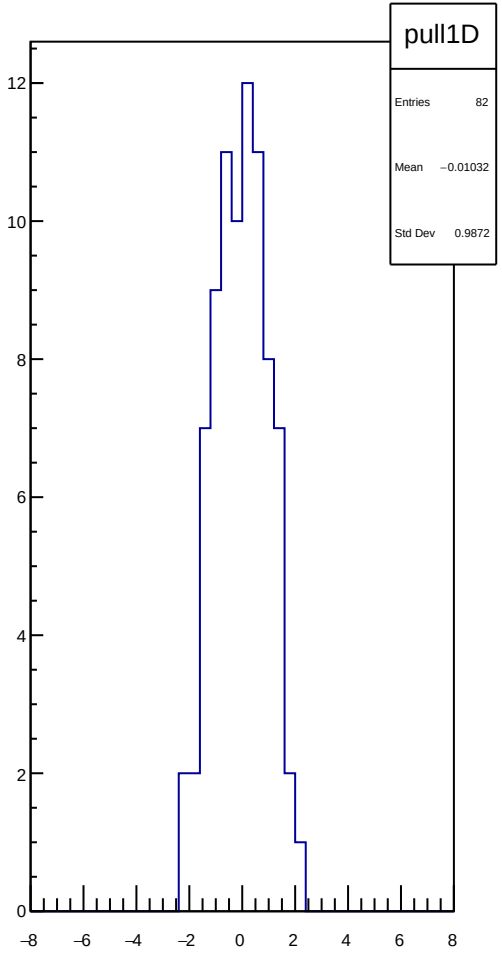

cor_asym_sam_15_dd_rms vs run
χ² / ndf 705.5 / 81
p0 84.74 ± 0.06737
94
92
90
88
86
84
82
80

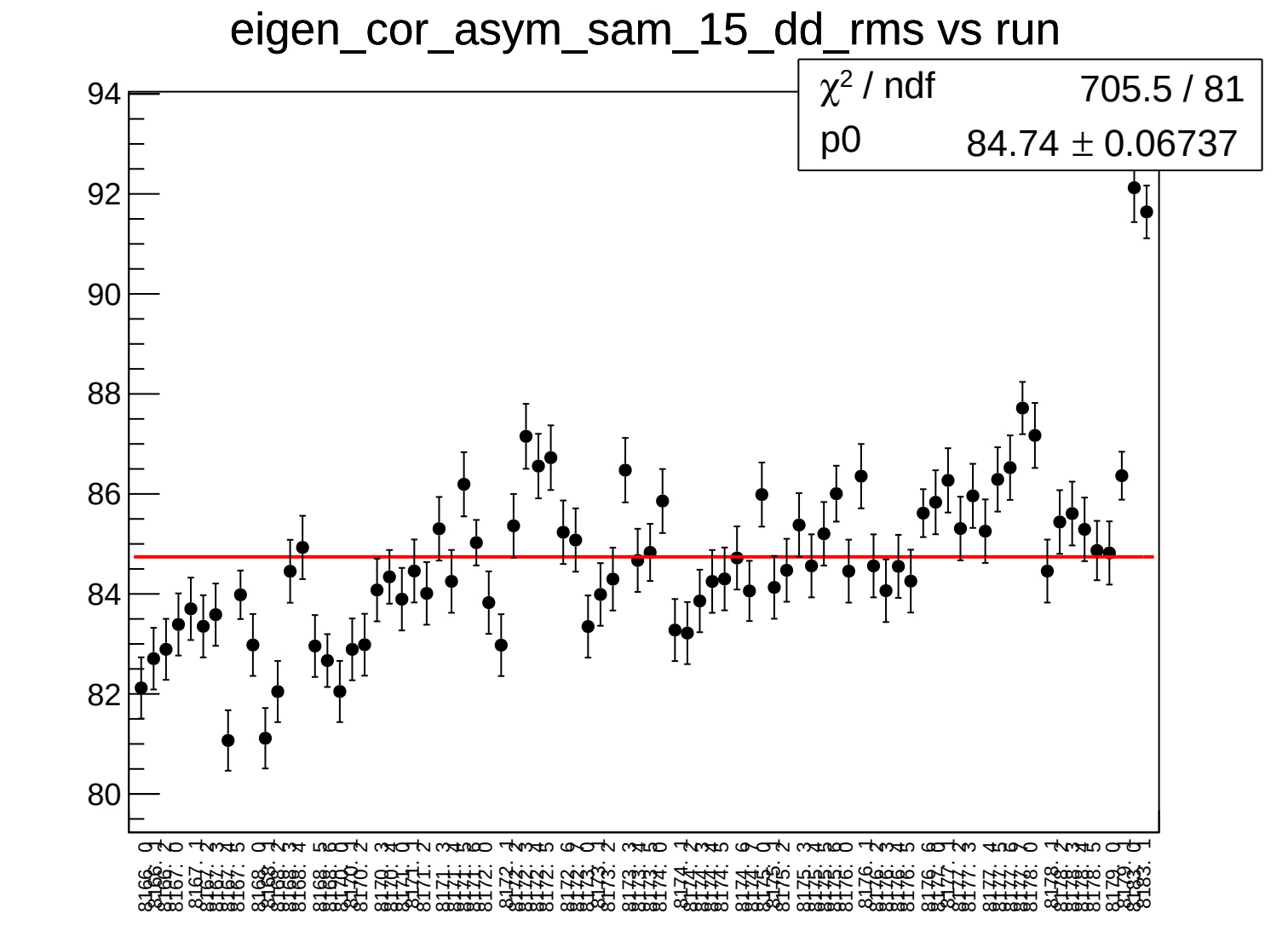

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 84.2 / 81
p0 −929.2 ± 809.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −31.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

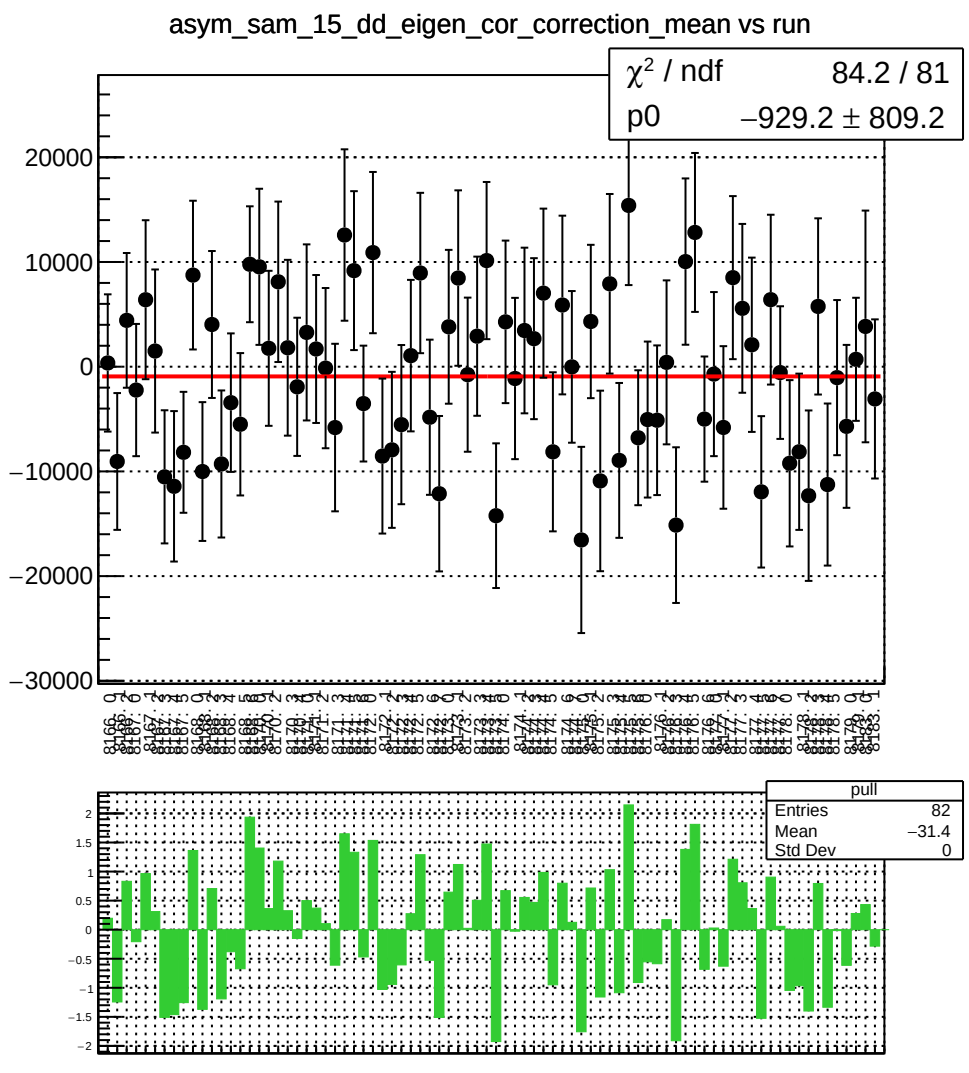

pull1D
Entries 82
Mean 0.0205
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

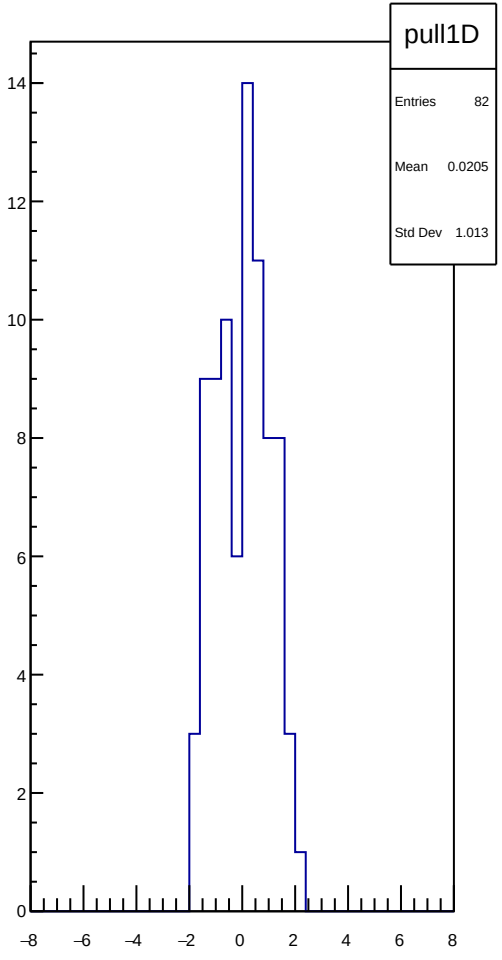

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 1.152e+04 / 81
p0 717.3 ± 0.5722
1100
1000
900
800
700
600

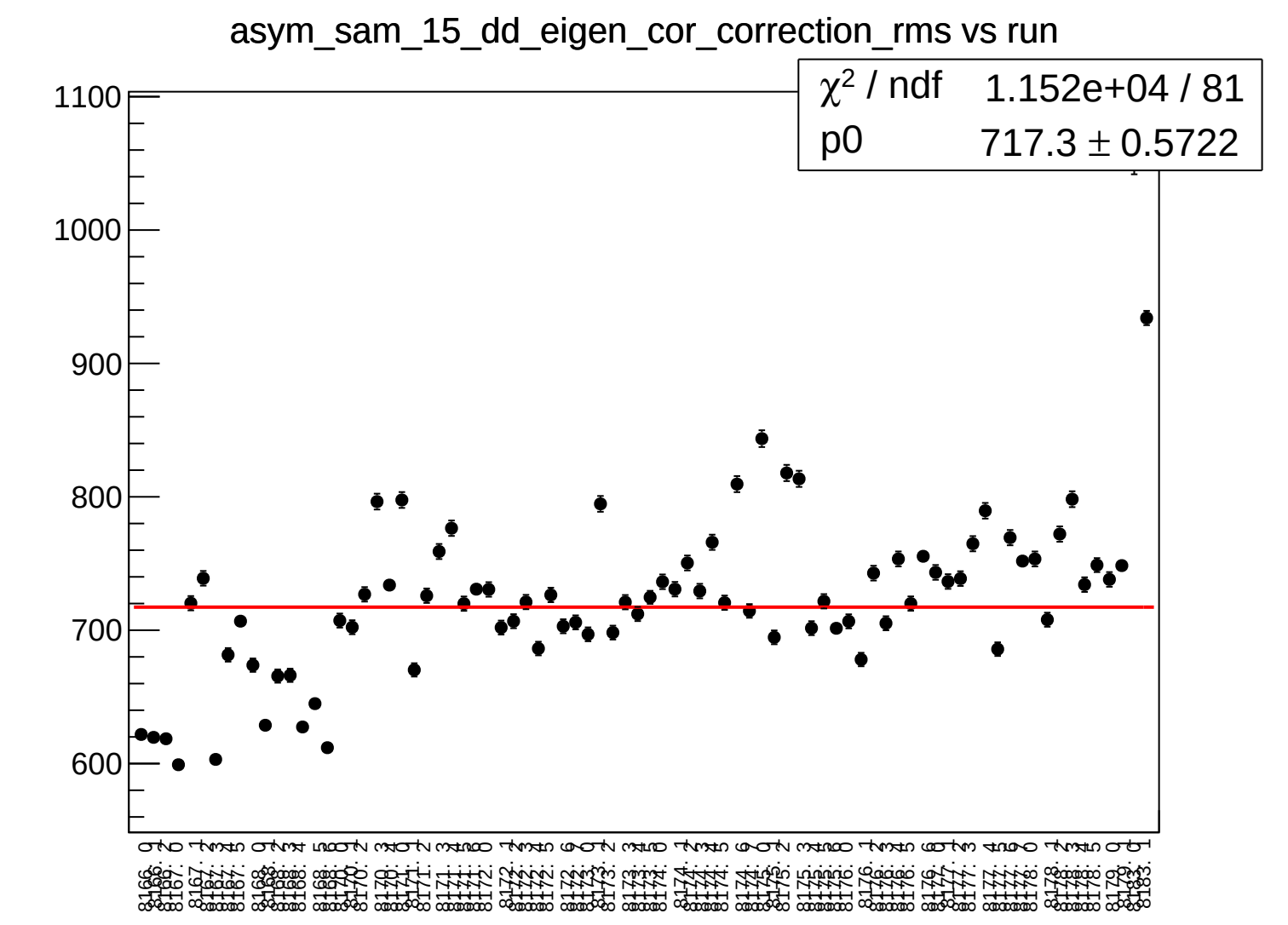

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 79.93 / 81
p0 23.25 ± 95.27
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −73.75
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

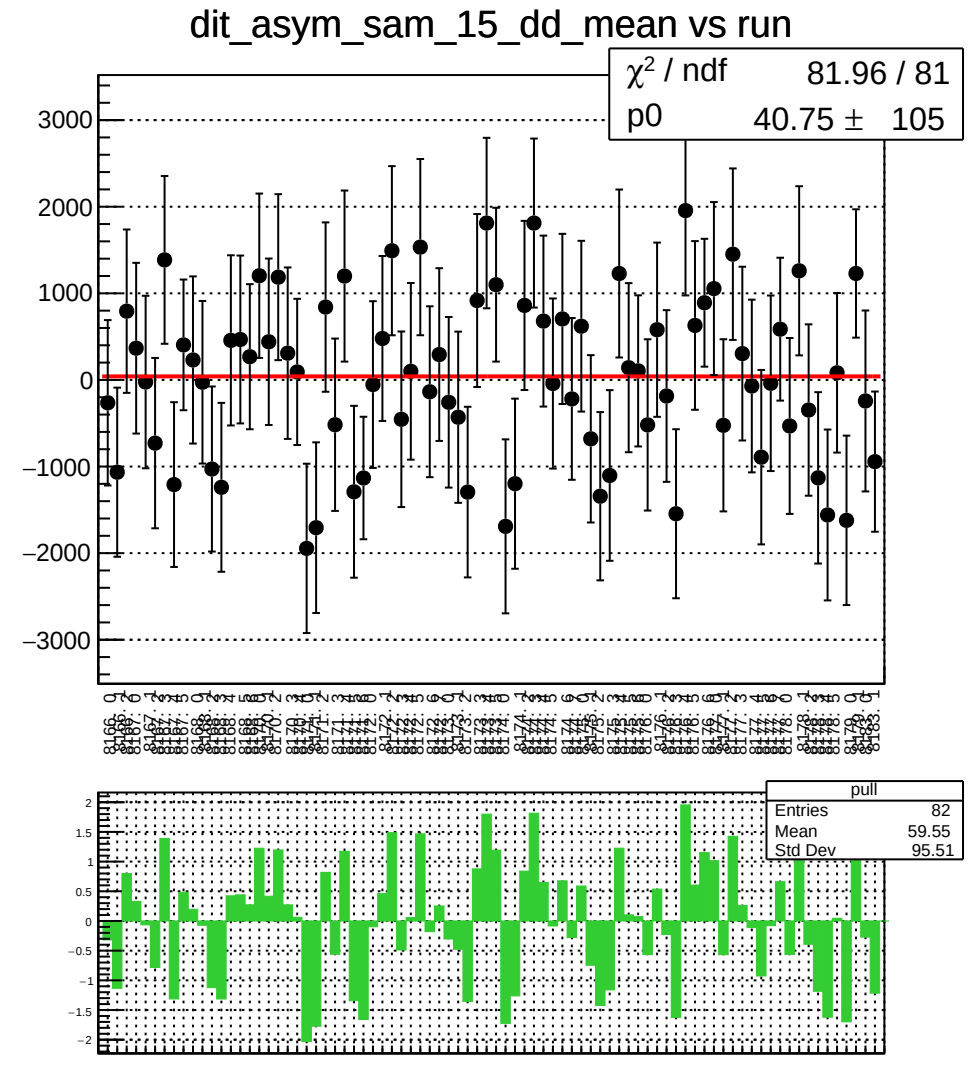

pull1D
Entries 82
Mean −0.01032
Std Dev 0.9872
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

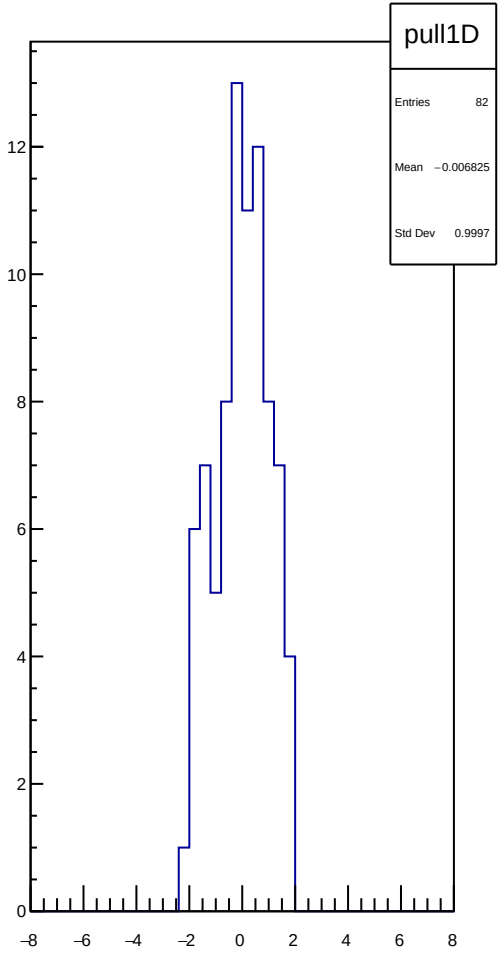

eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 705.5 / 81
p0 84.74 ± 0.06737
94
92
90
88
86
84
82
80

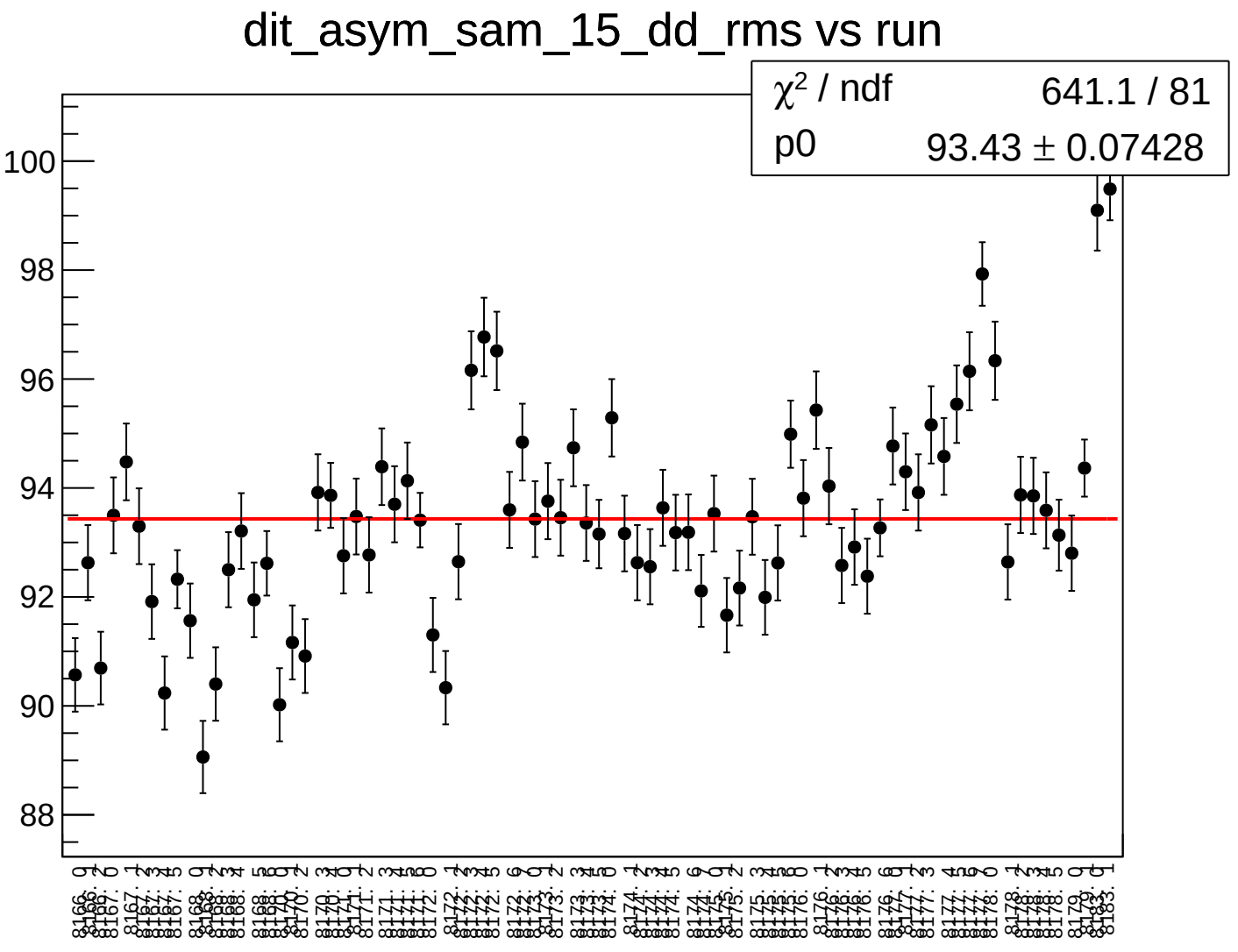

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 84.2 / 81
p0 −929.2 ± 809.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −31.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

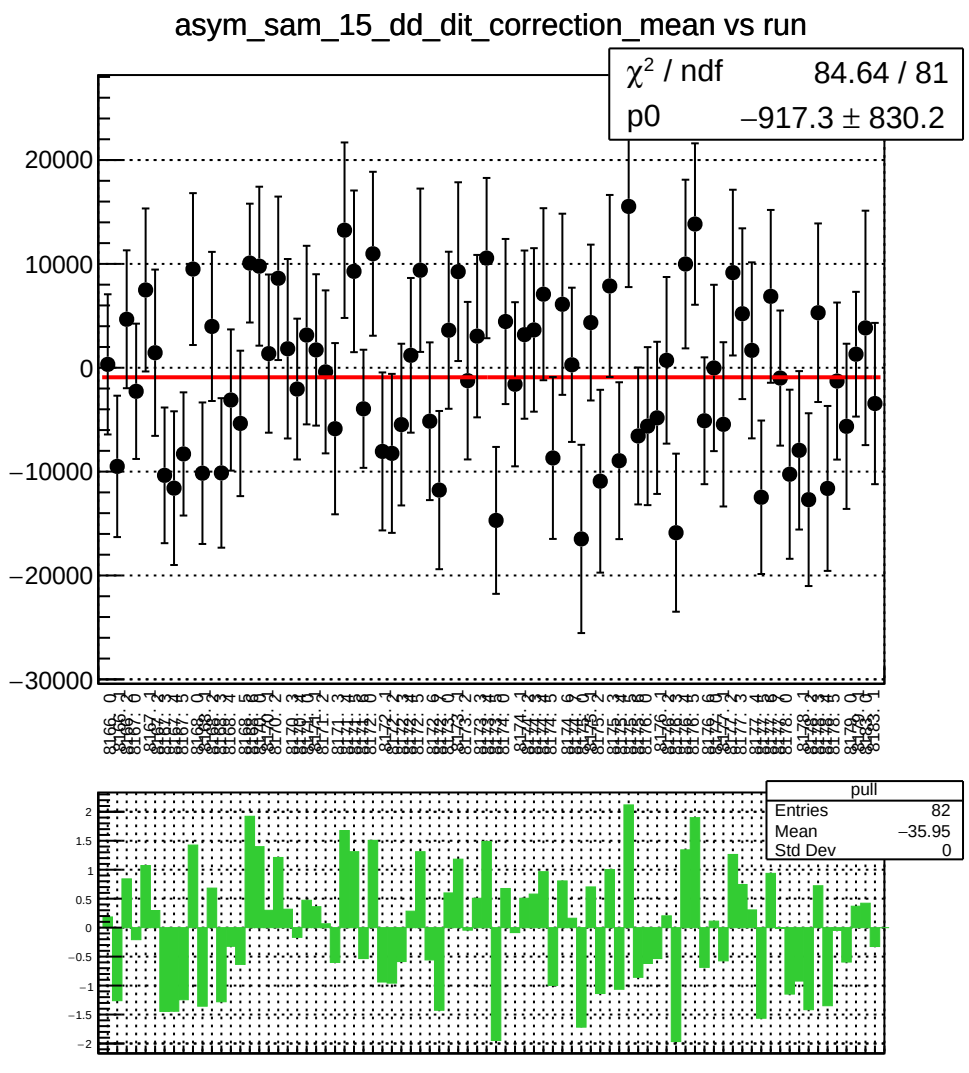

pull1D
Entries 82
Mean 0.0205
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

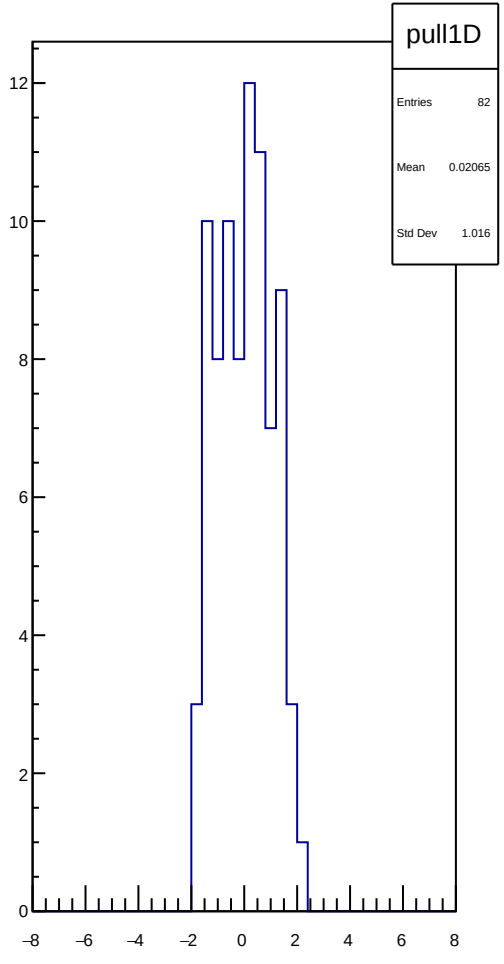

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.152e+04 / 81
p0 717.3 ± 0.5722
1100
1000
900
800
700
600

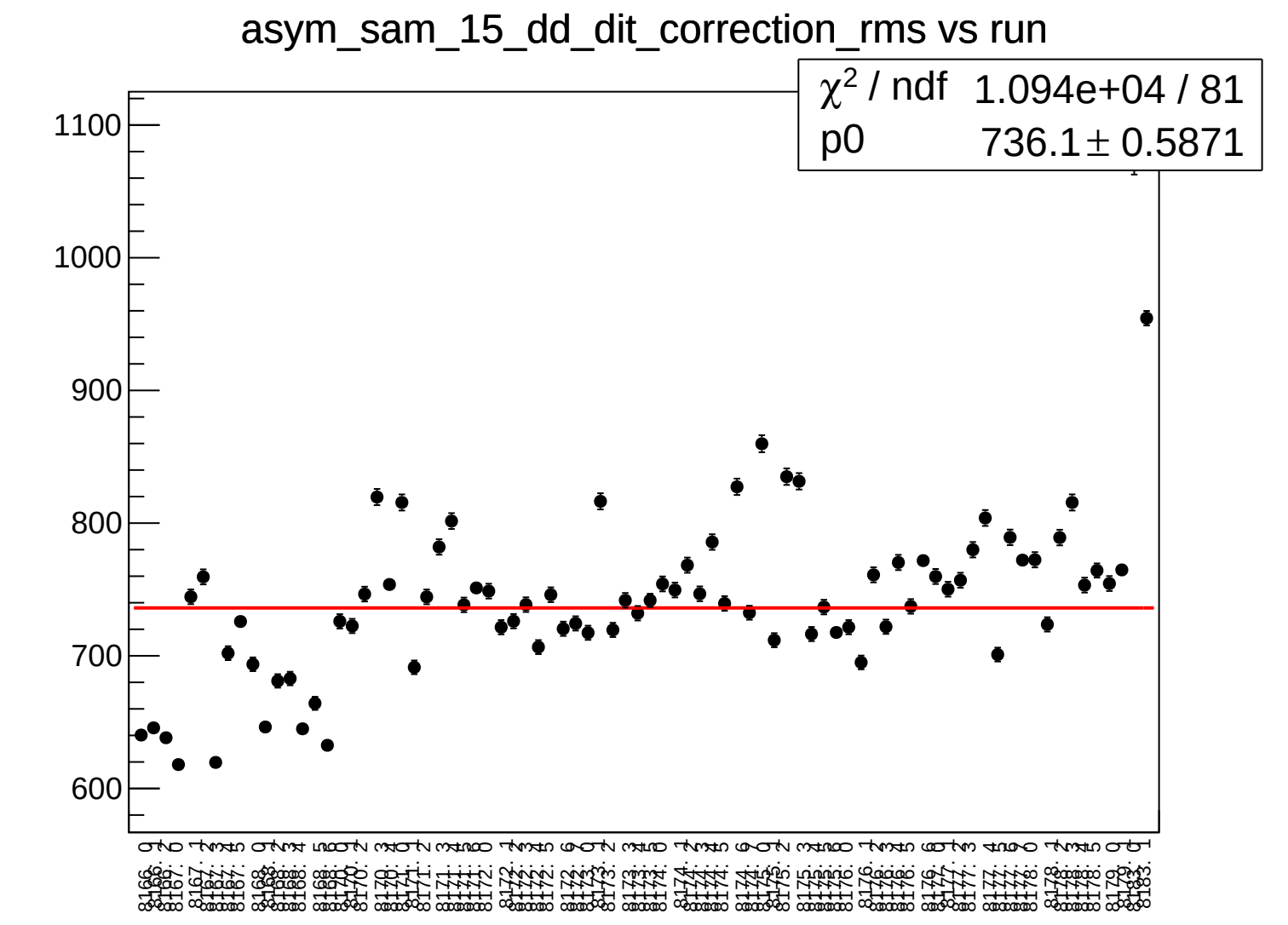

dit_asym_sam_15_dd_mean vs run
χ² / ndf 81.96 / 81
p0 40.75 ± 105
pull
Entries 82
Mean 59.55
Std Dev 95.51

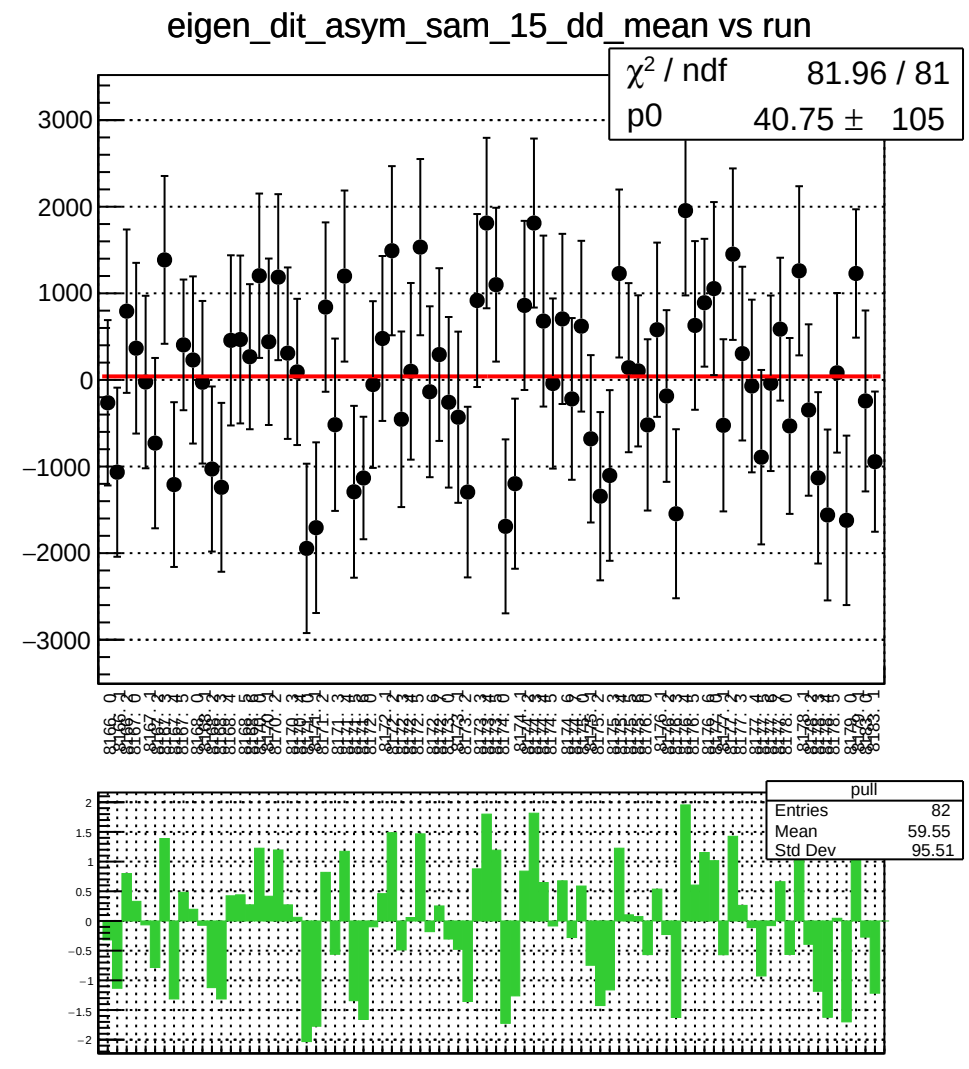

pull1D
Entries 82
Mean −0.006825
Std Dev 0.9997

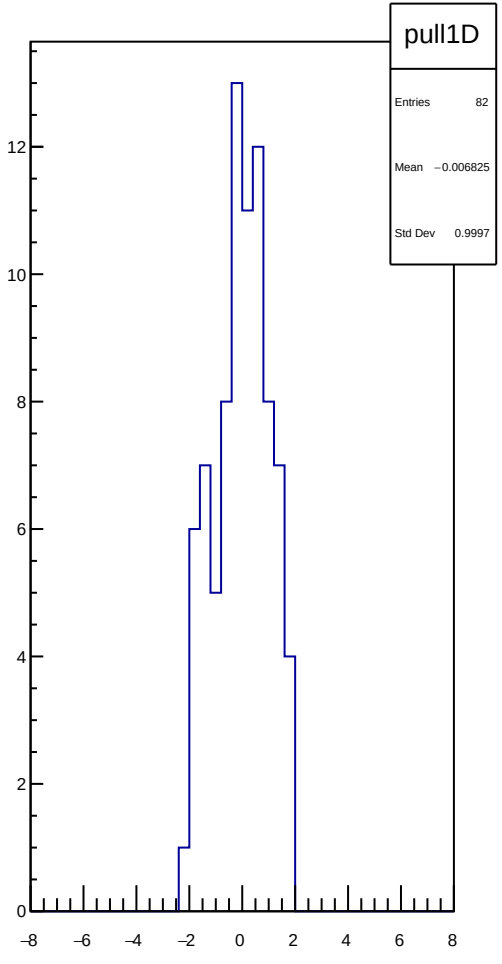

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 641.1 / 81
p0 93.43 ± 0.07428
100
98
96
94
92
90
88

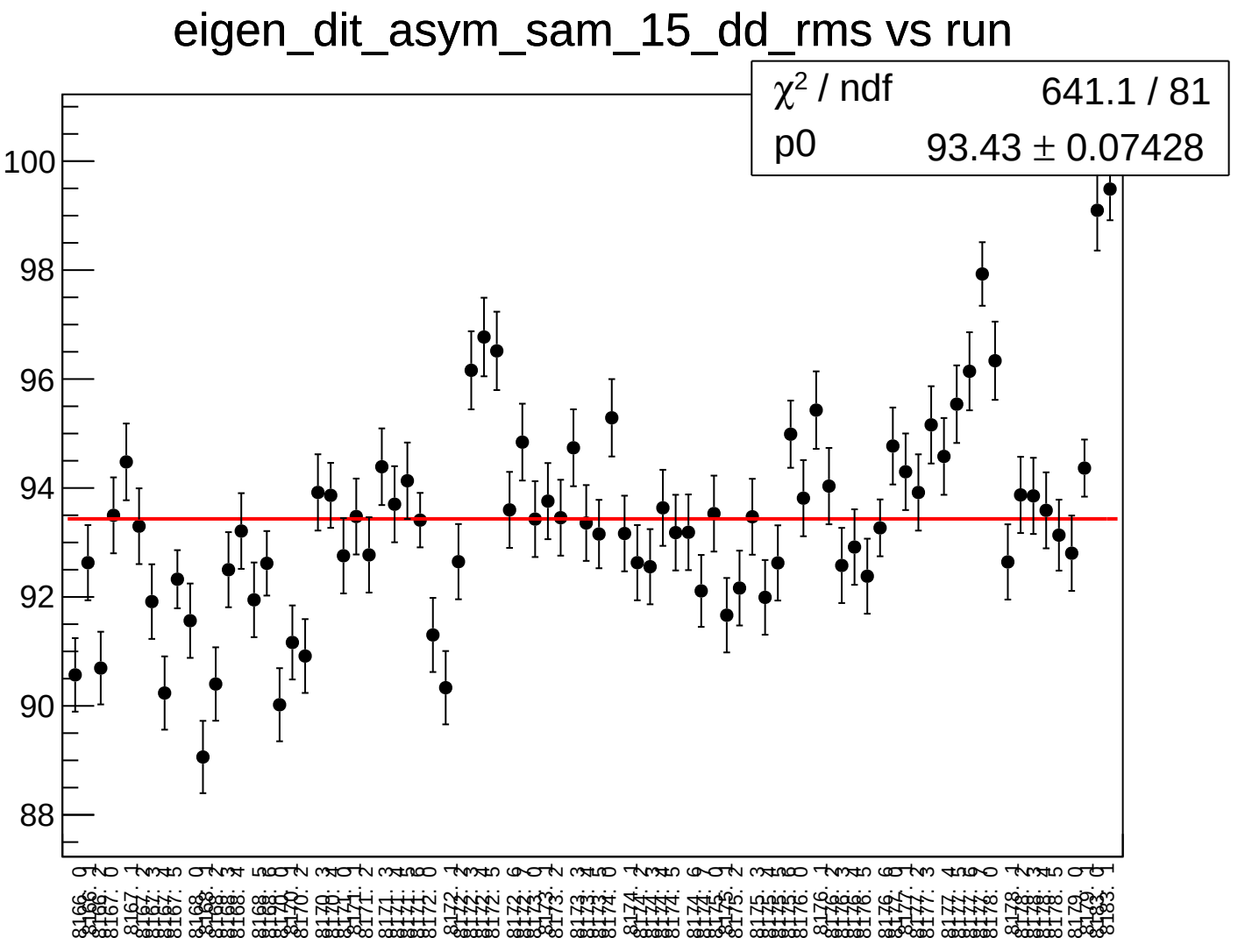

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 84.64 / 81
p0 −917.3 ± 830.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −35.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

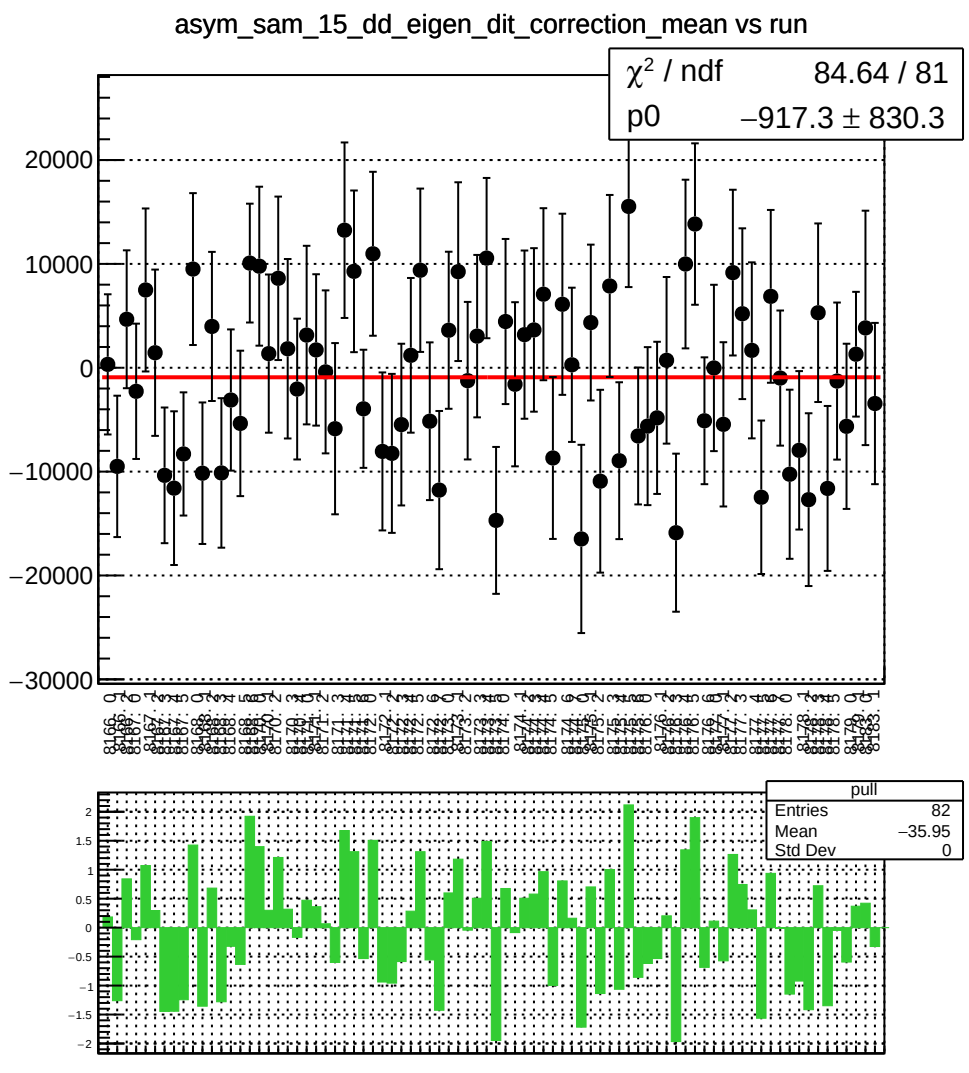

pull1D
Entries 82
Mean 0.02065
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

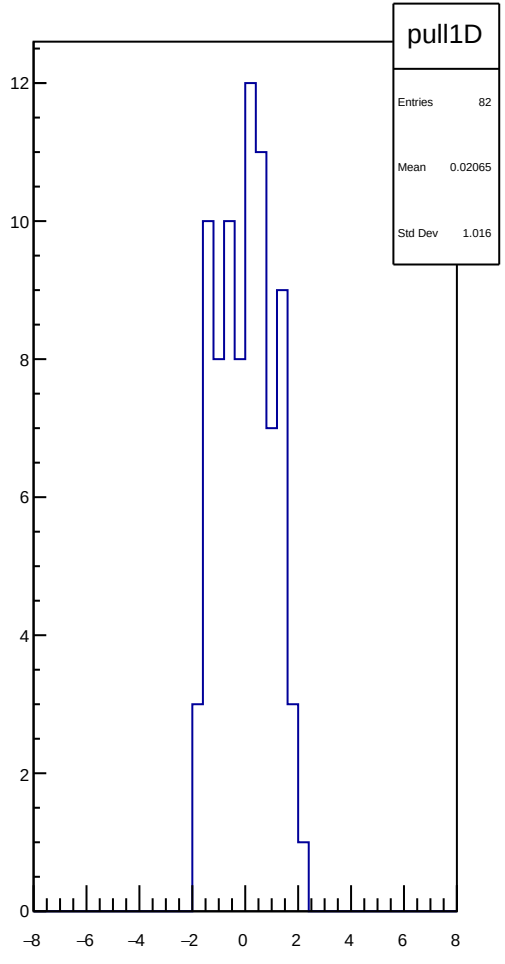

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 1.094e+04 / 81
p0 736.1 ± 0.5871
1100
1000
900
800
700
600

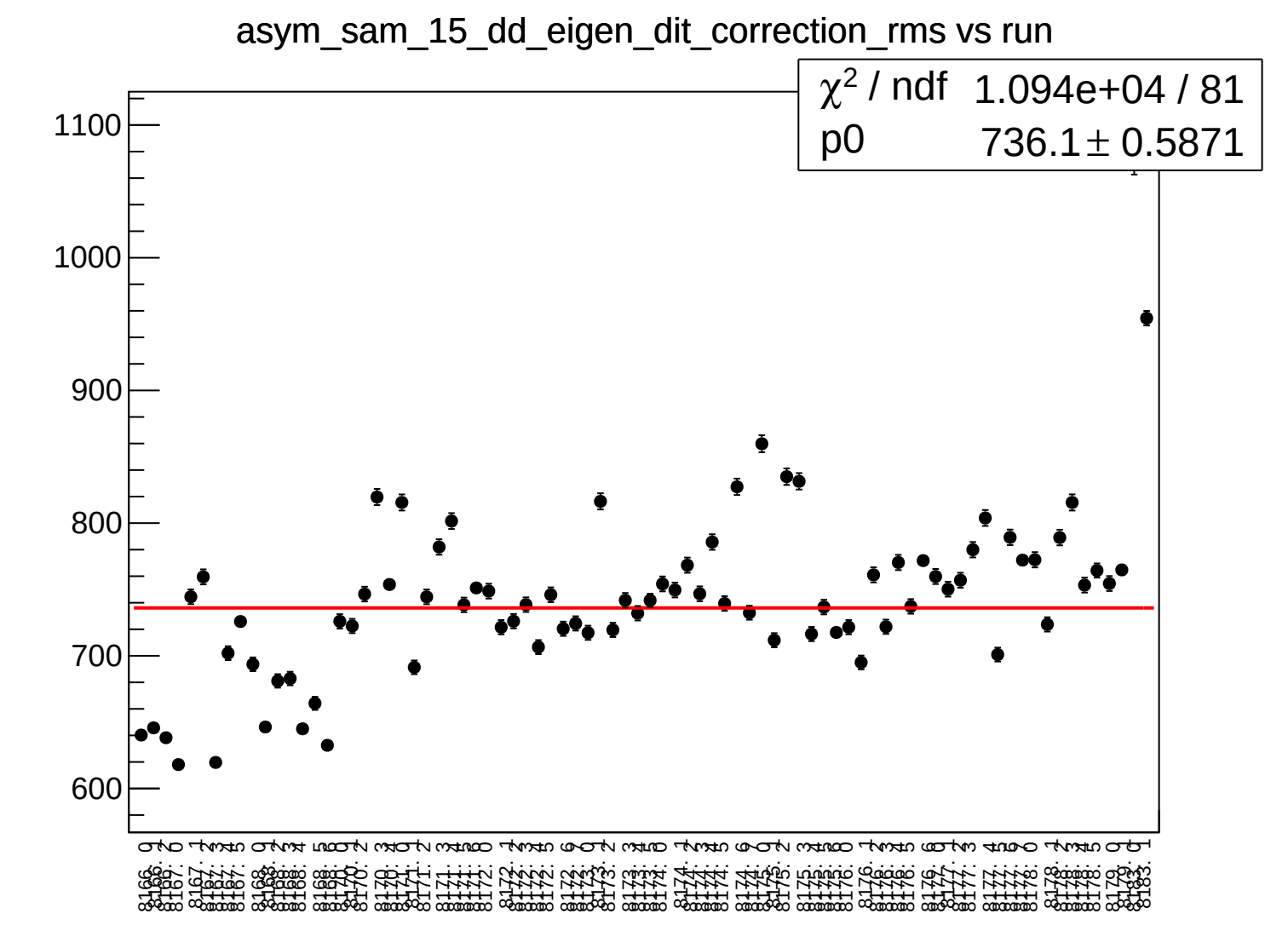

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 81.96 / 81
p0 40.75 ± 105
pull
Entries 82
Mean 59.55
Std Dev 95.51

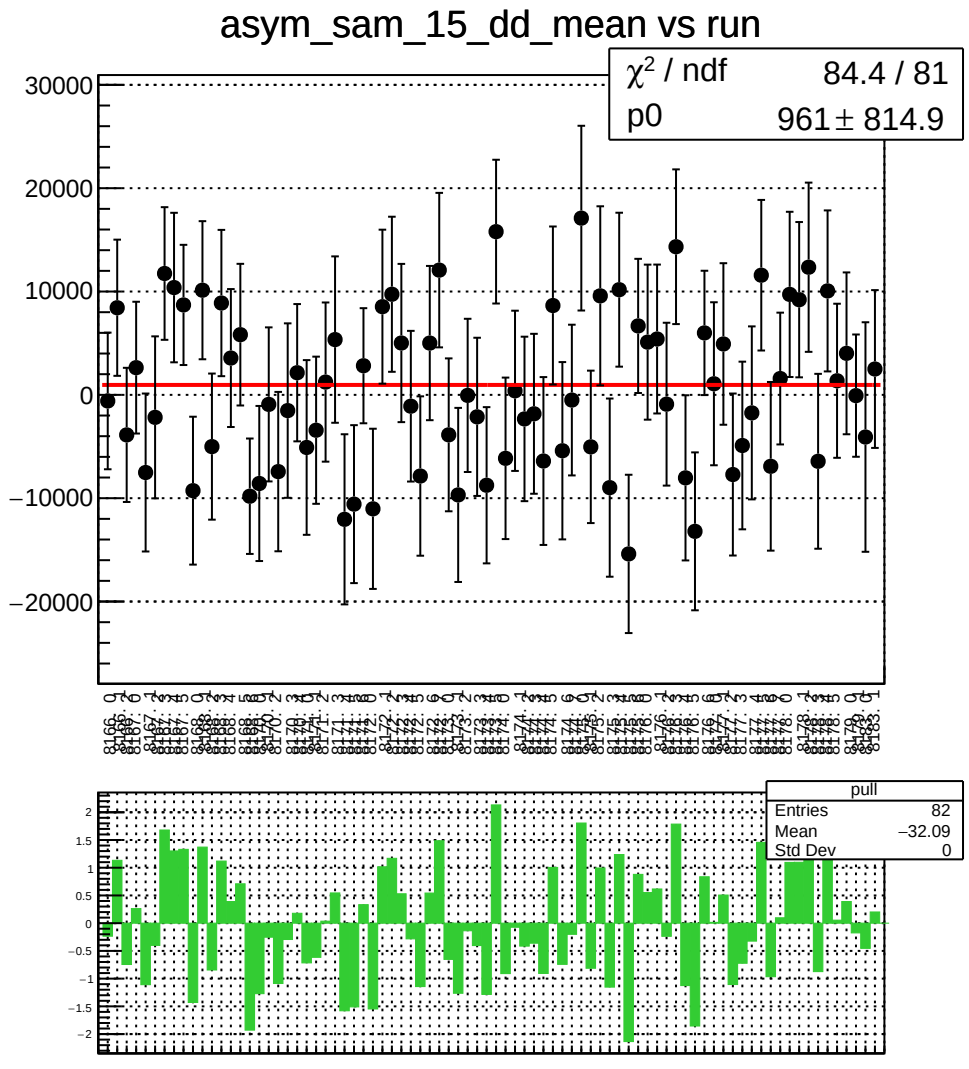

pull1D
Entries 82
Mean −0.006825
Std Dev 0.9997

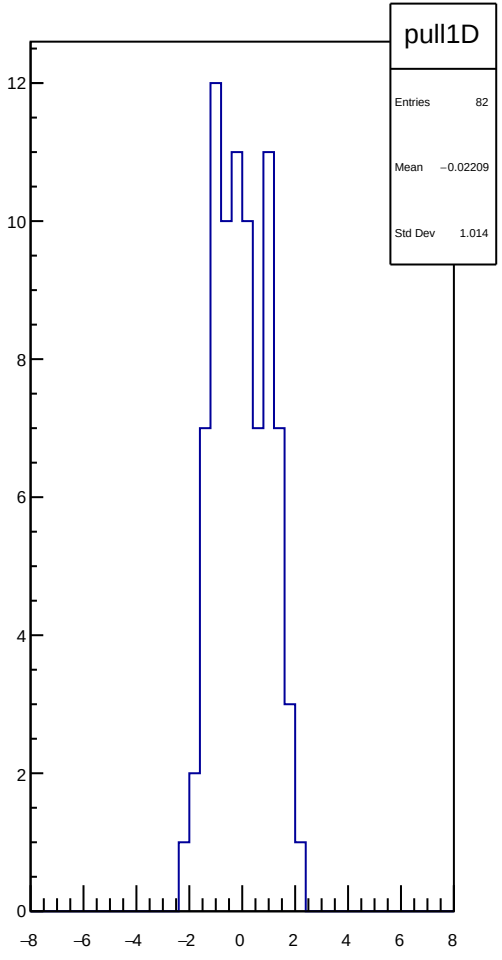

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 641.1 / 81
p0 93.43 ± 0.07428
100
98
96
94
92
90
88

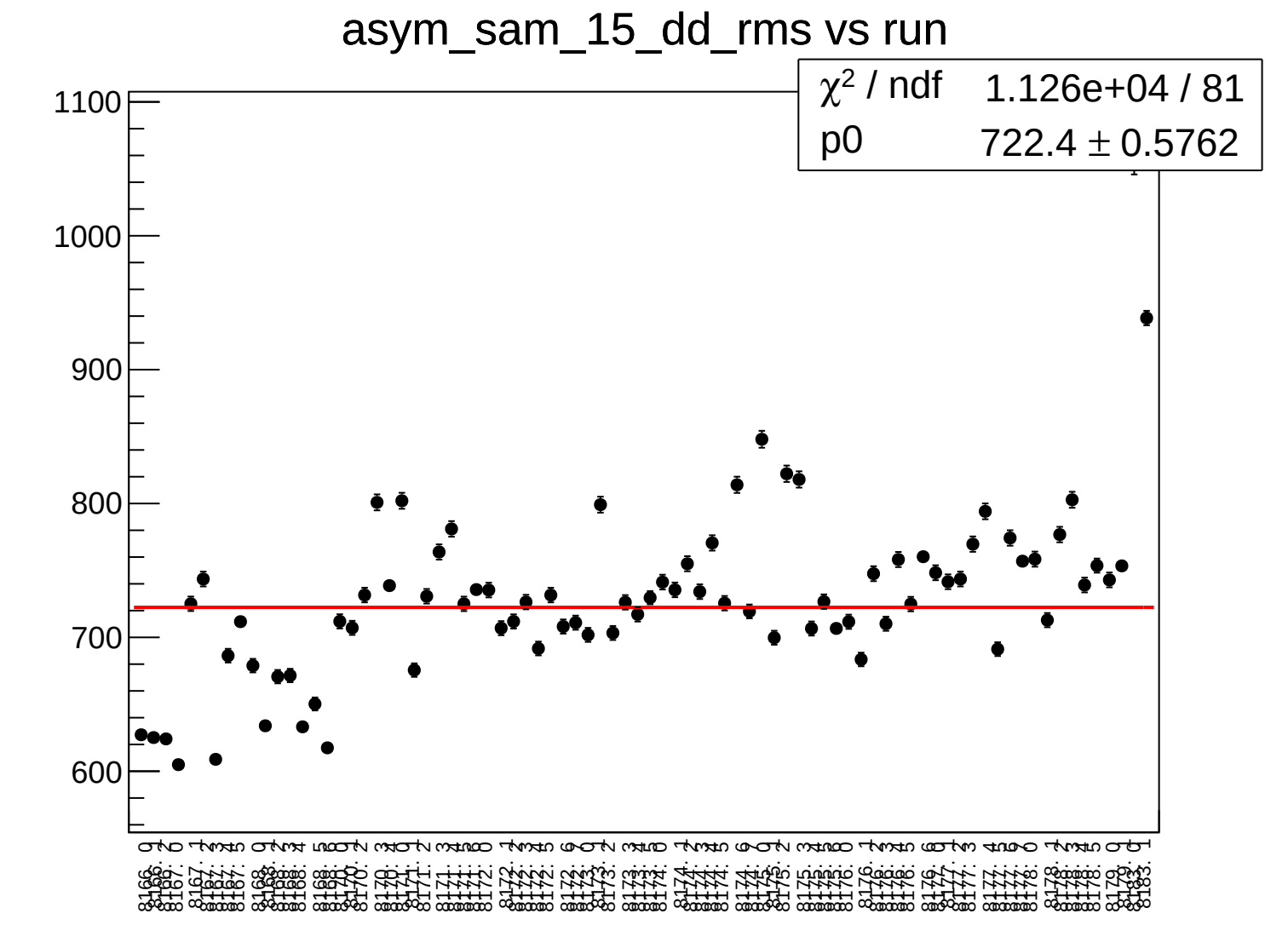

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.64 / 81
p0 −917.3 ± 830.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −35.95
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

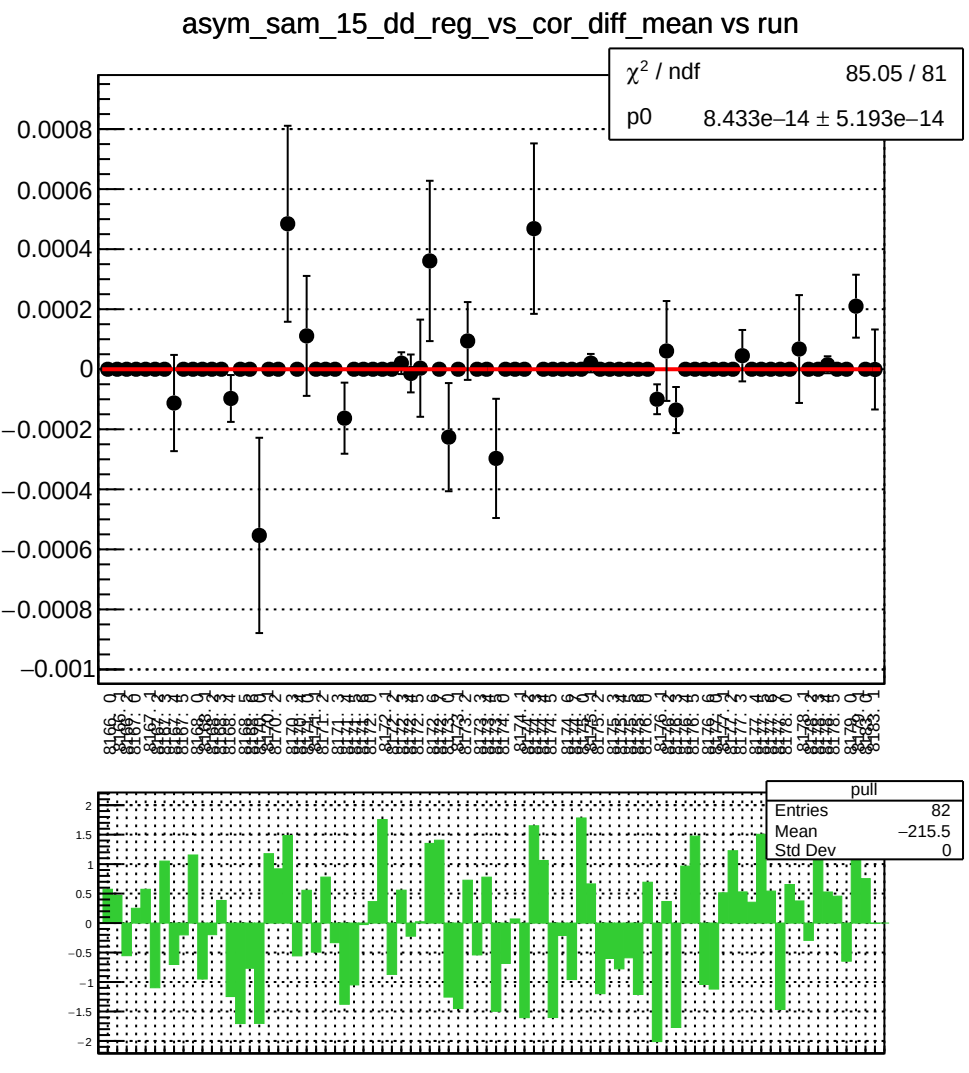

pull1D
Entries 82
Mean 0.02065
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

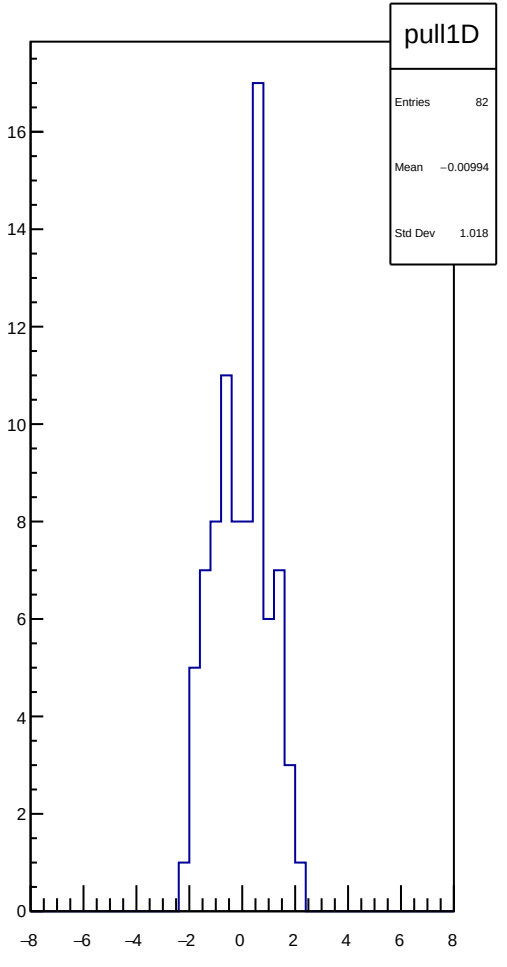

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.094e+04 / 81
p0 736.1 ± 0.5871
1100
1000
900
800
700
600

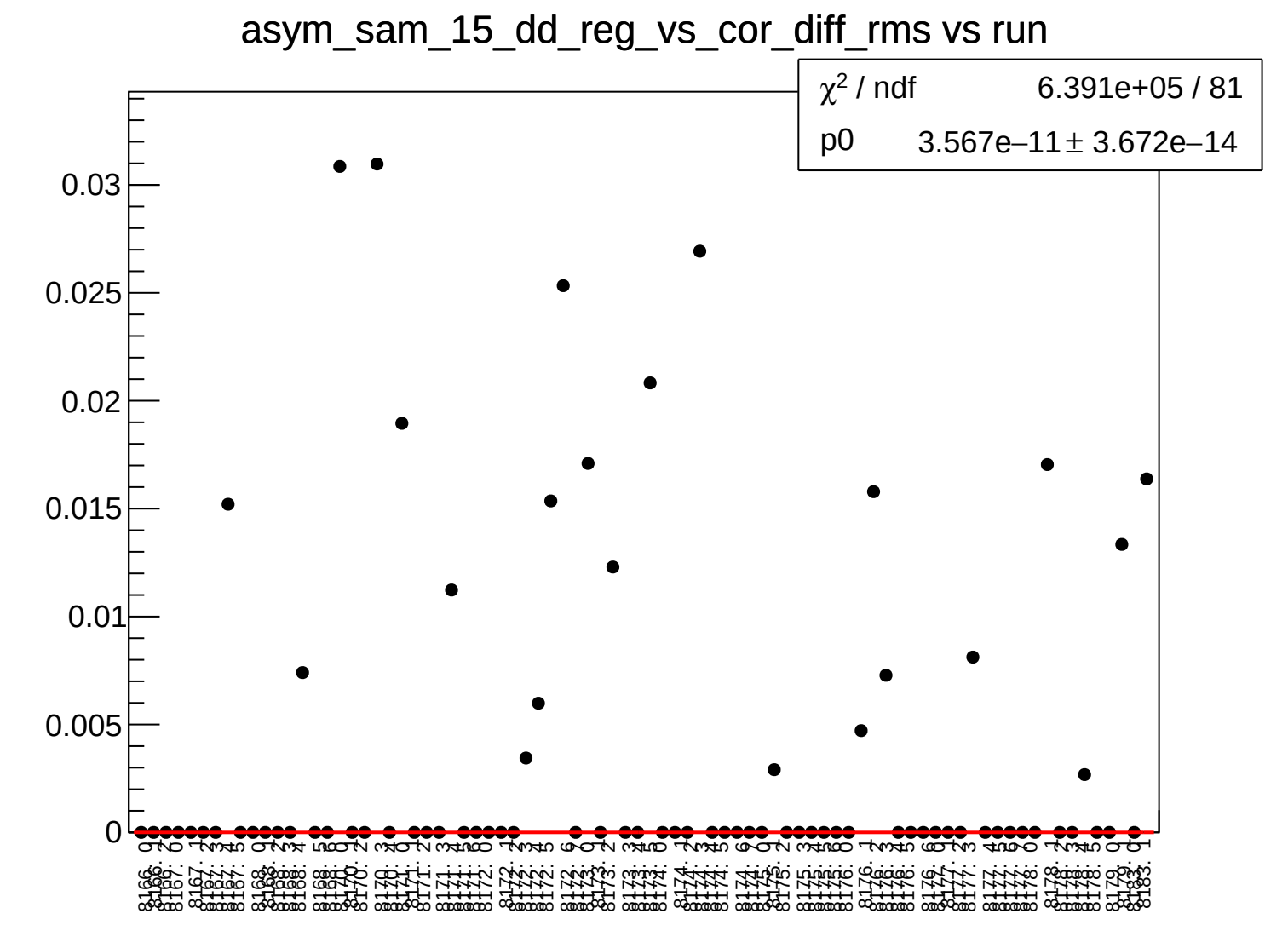

asym_sam_15_dd_mean vs run
χ² / ndf 84.4 / 81
p0 961 ± 814.9
pull
Entries 82
Mean −32.09
Std Dev 0

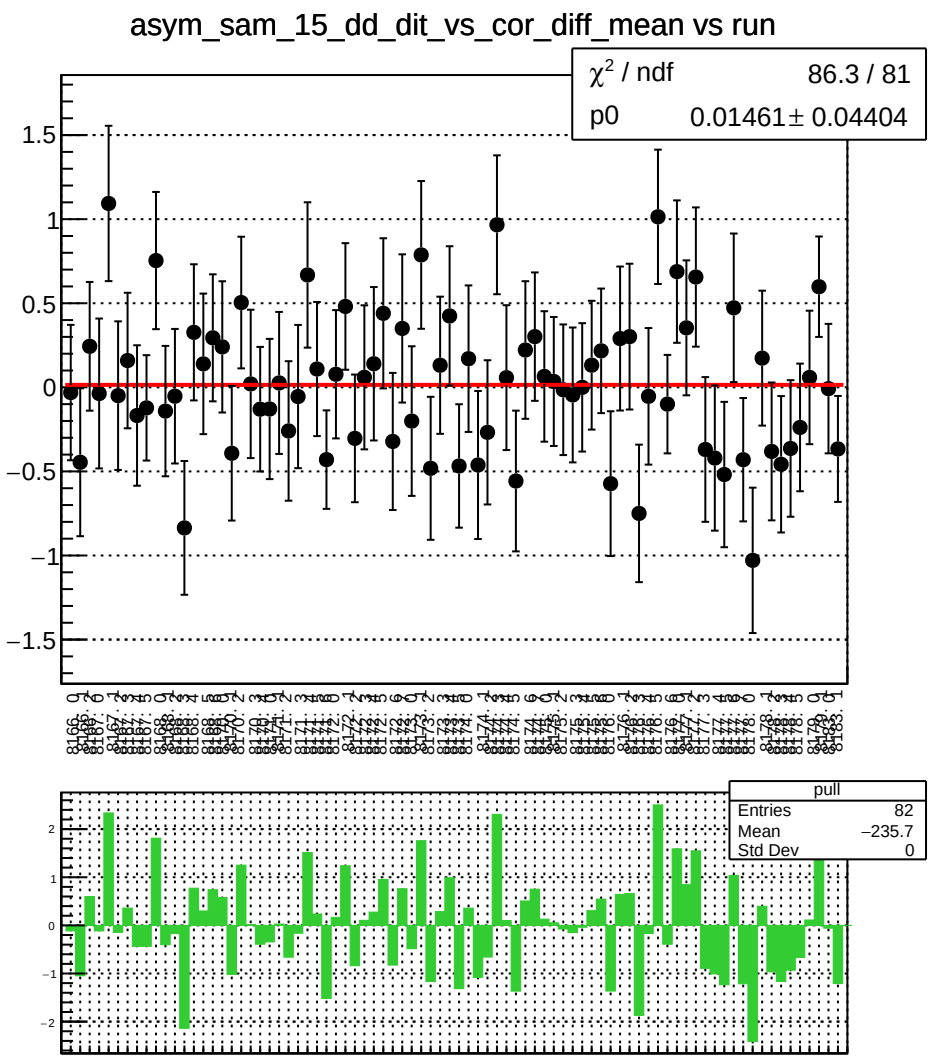

pull1D
Entries 82
Mean −0.02209
Std Dev 1.014

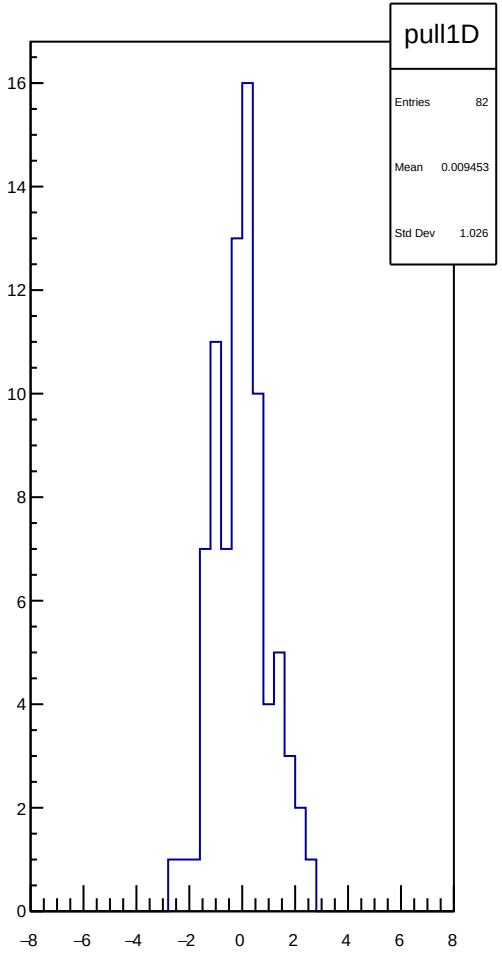

asym_sam_15_dd_rms vs run
χ² / ndf 1.126e+04 / 81
p0 722.4 ± 0.5762
1100
1000
900
800
700
600

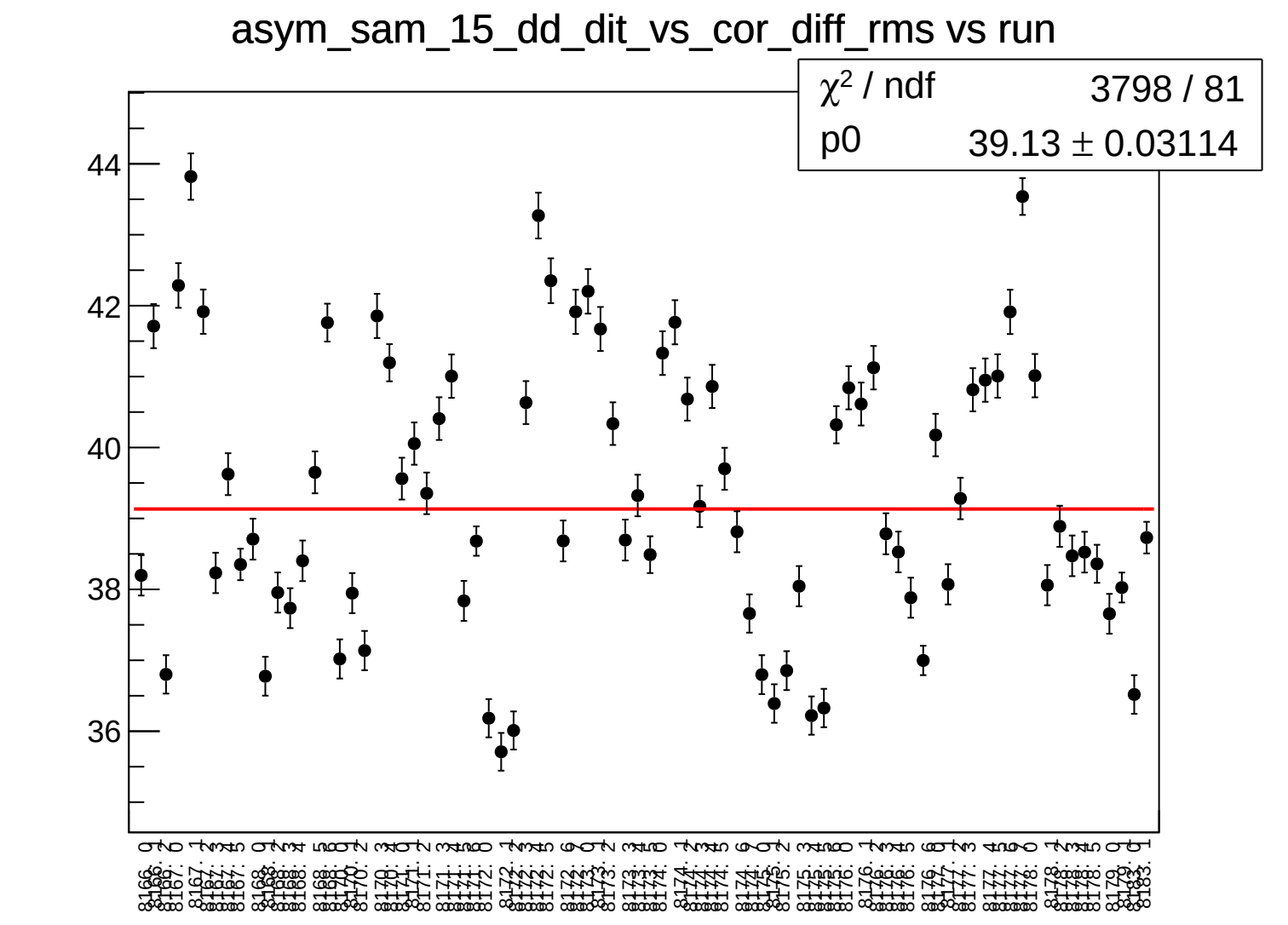

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 85.05 / 81
p0 8.433e−14 ± 5.193e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 82
Mean −215.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

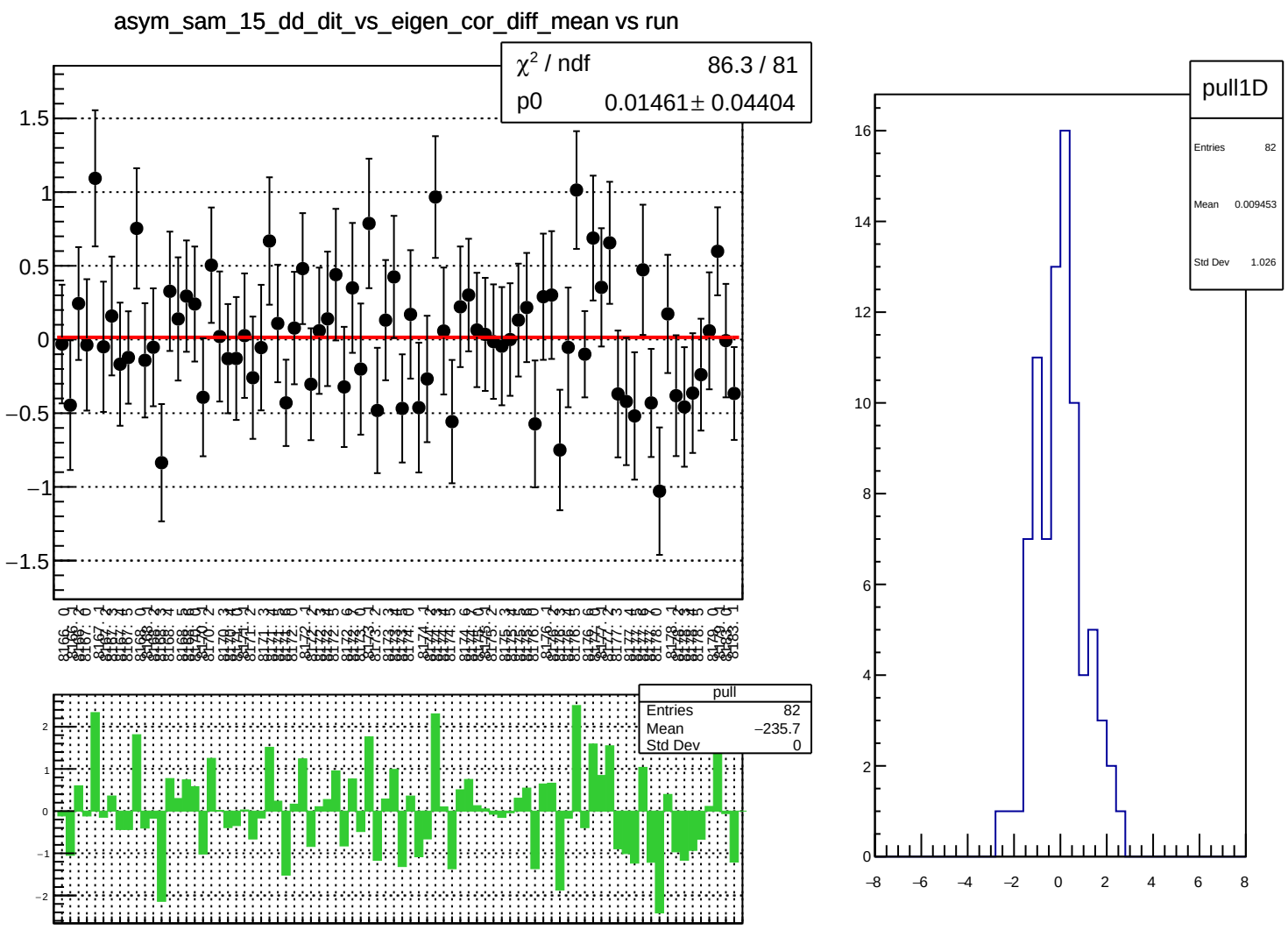

pull1D
Entries 82
Mean −0.00994
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

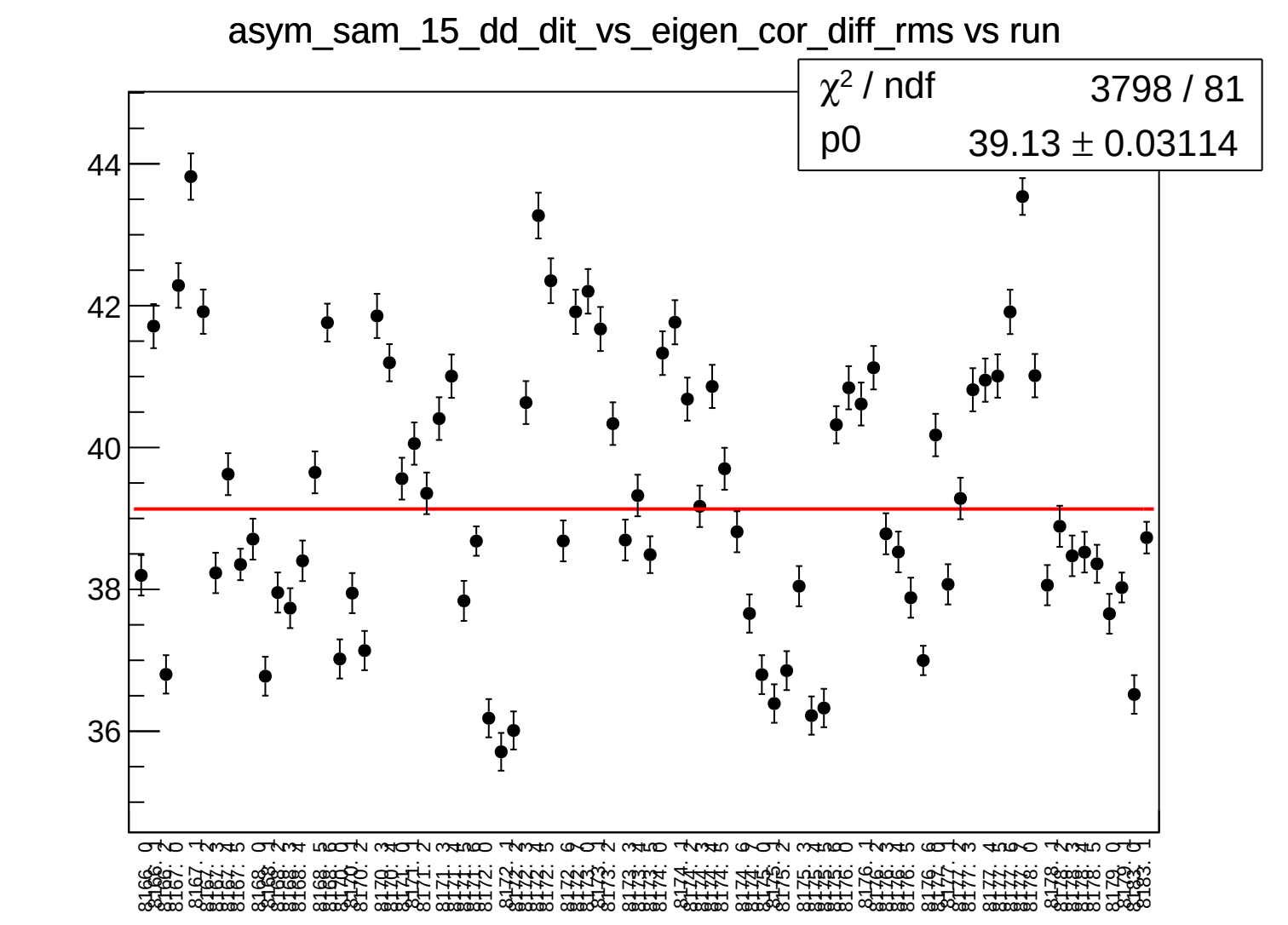

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.391e+05 / 81
p0 3.567e−11 ± 3.672e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

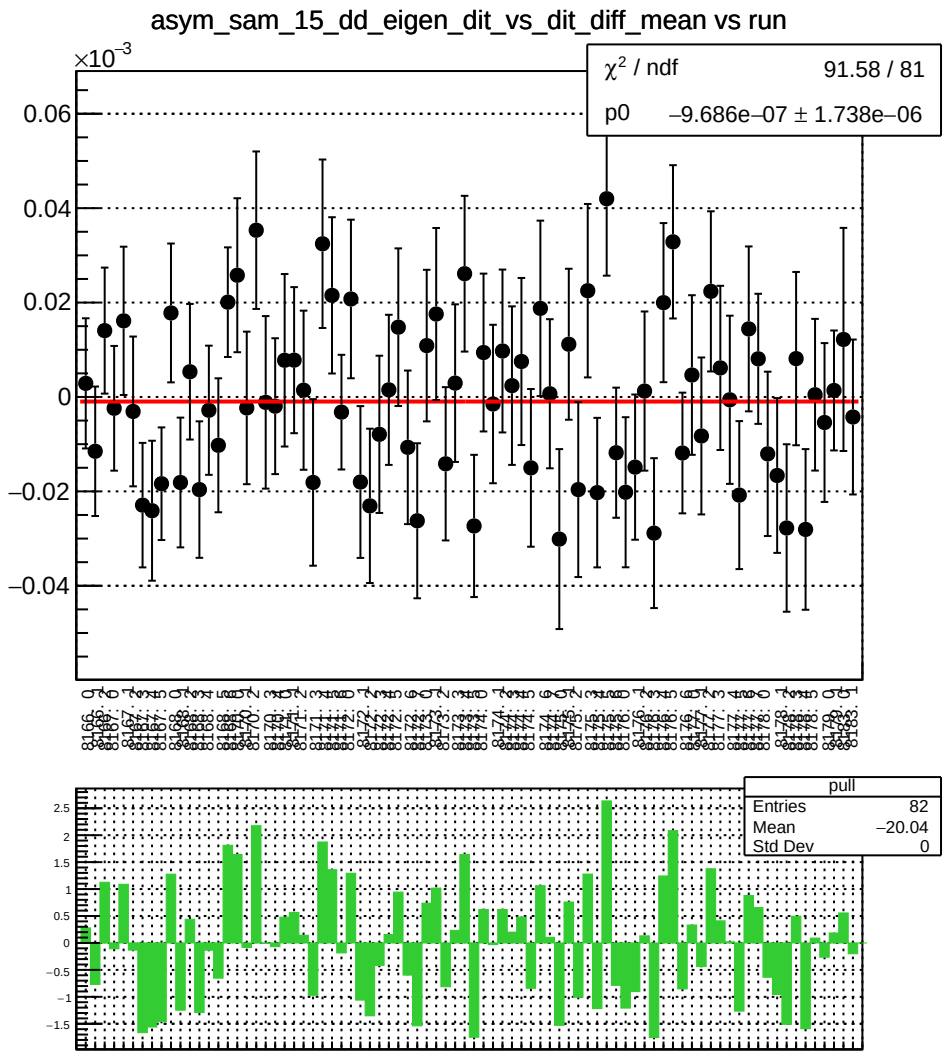

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 86.3 / 81
p0 0.01461 ± 0.04404
pull
Entries 82
Mean −235.7
Std Dev 0

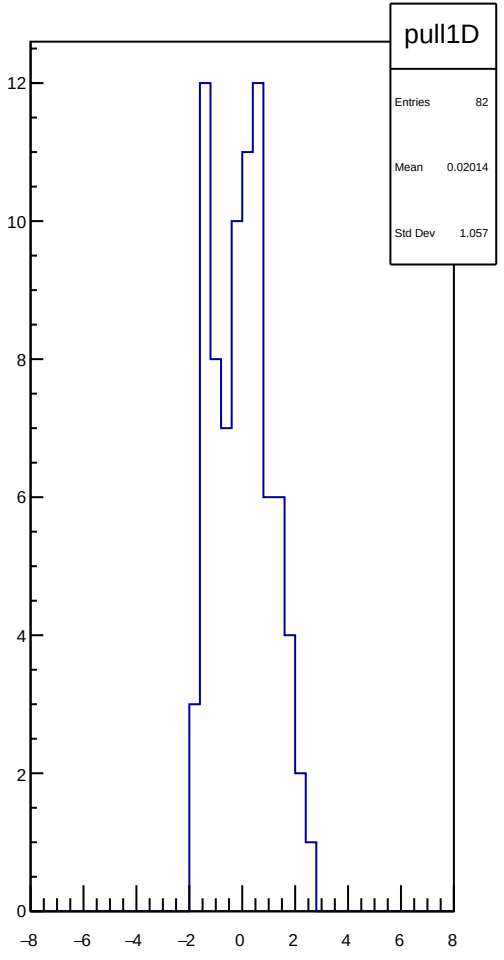

pull1D
Entries 82
Mean 0.009453
Std Dev 1.026

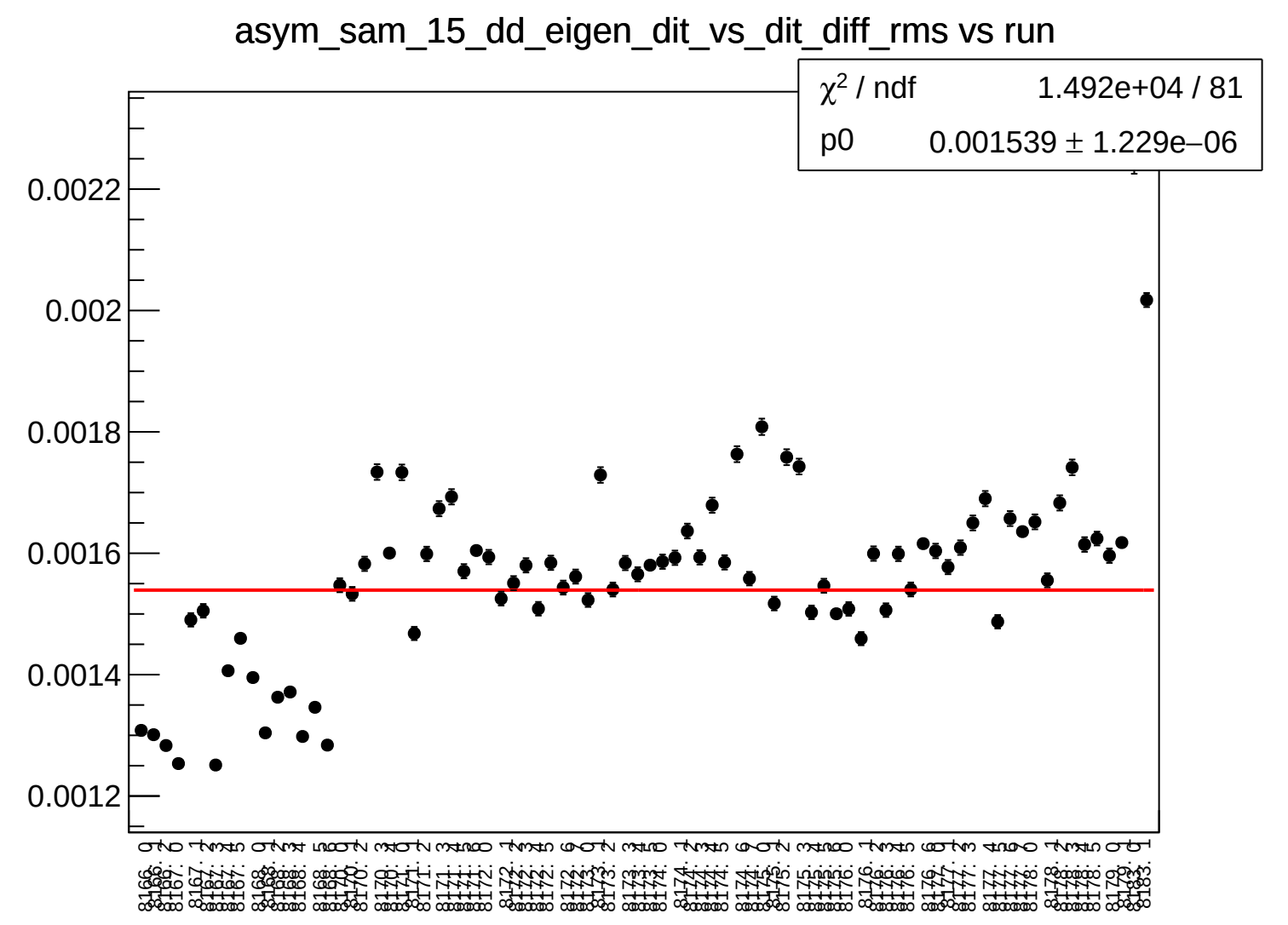

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3798 / 81
p0 39.13 ± 0.03114
44
42
40
38
36

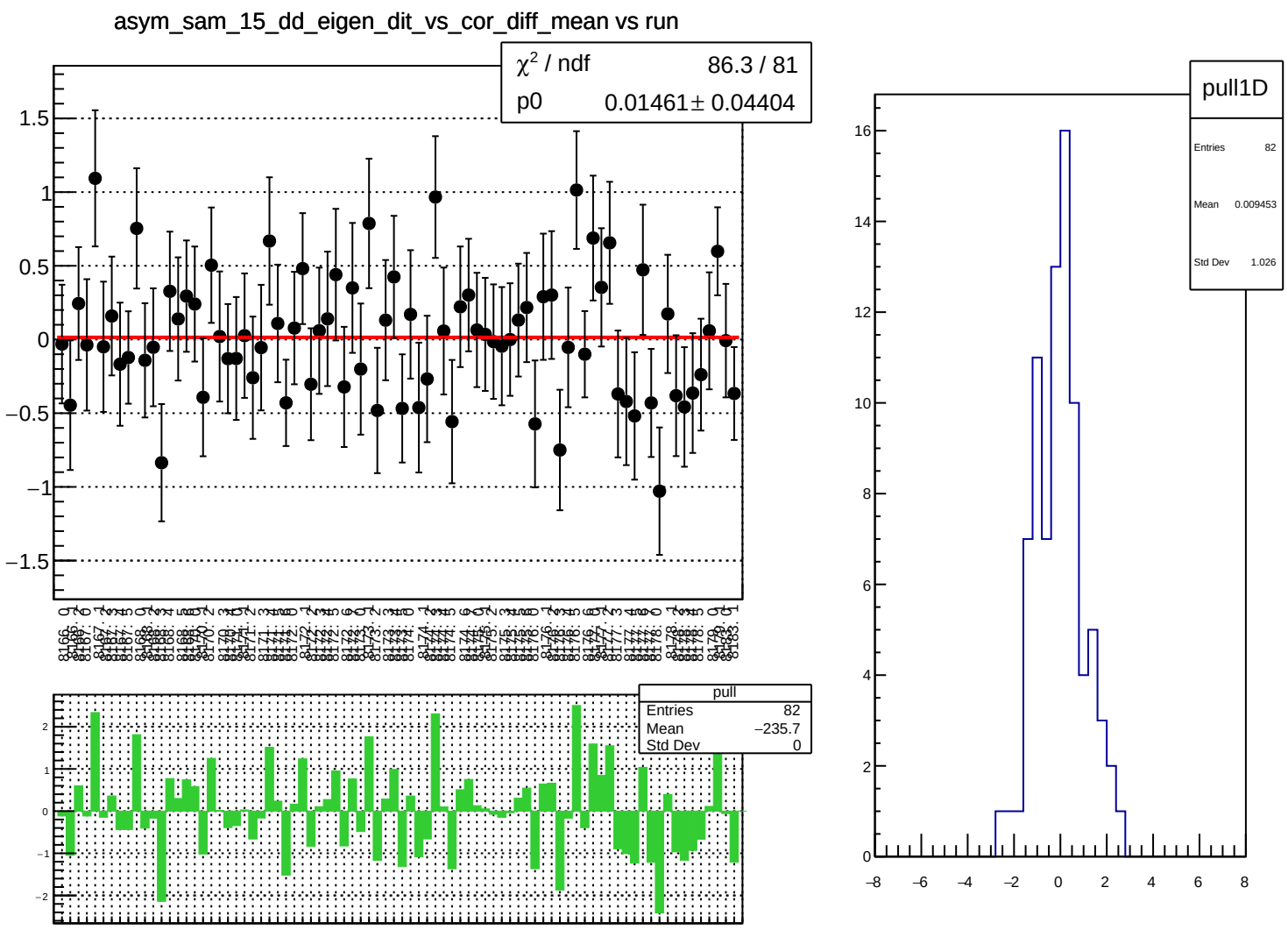

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.3 / 81
p0 0.01461 ± 0.04404
pull
Entries 82
Mean −235.7
Std Dev 0
pull1D
Entries 82
Mean 0.009453
Std Dev 1.026

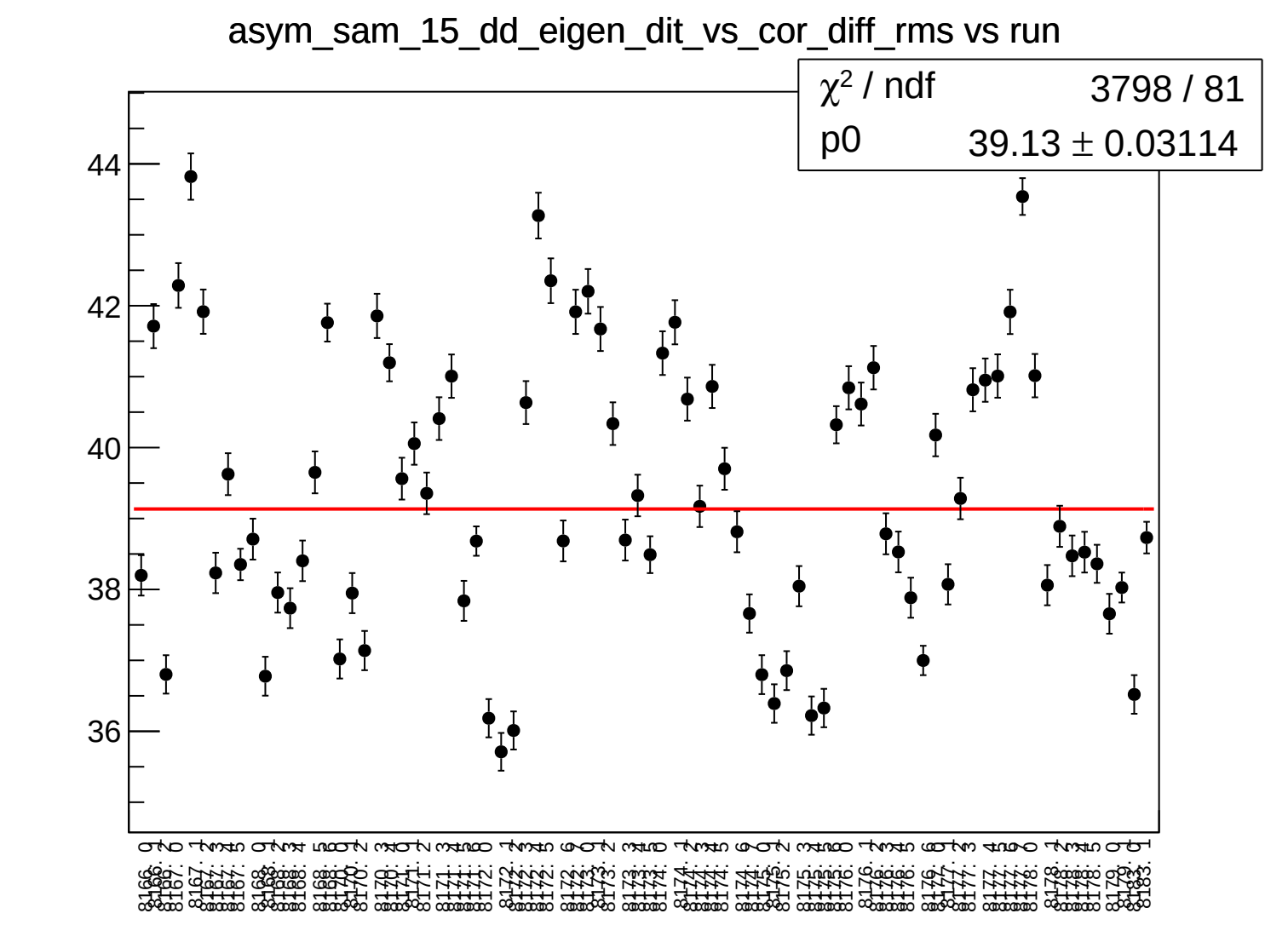

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3798 / 81
p0 39.13 ± 0.03114
44
42
40
38
36

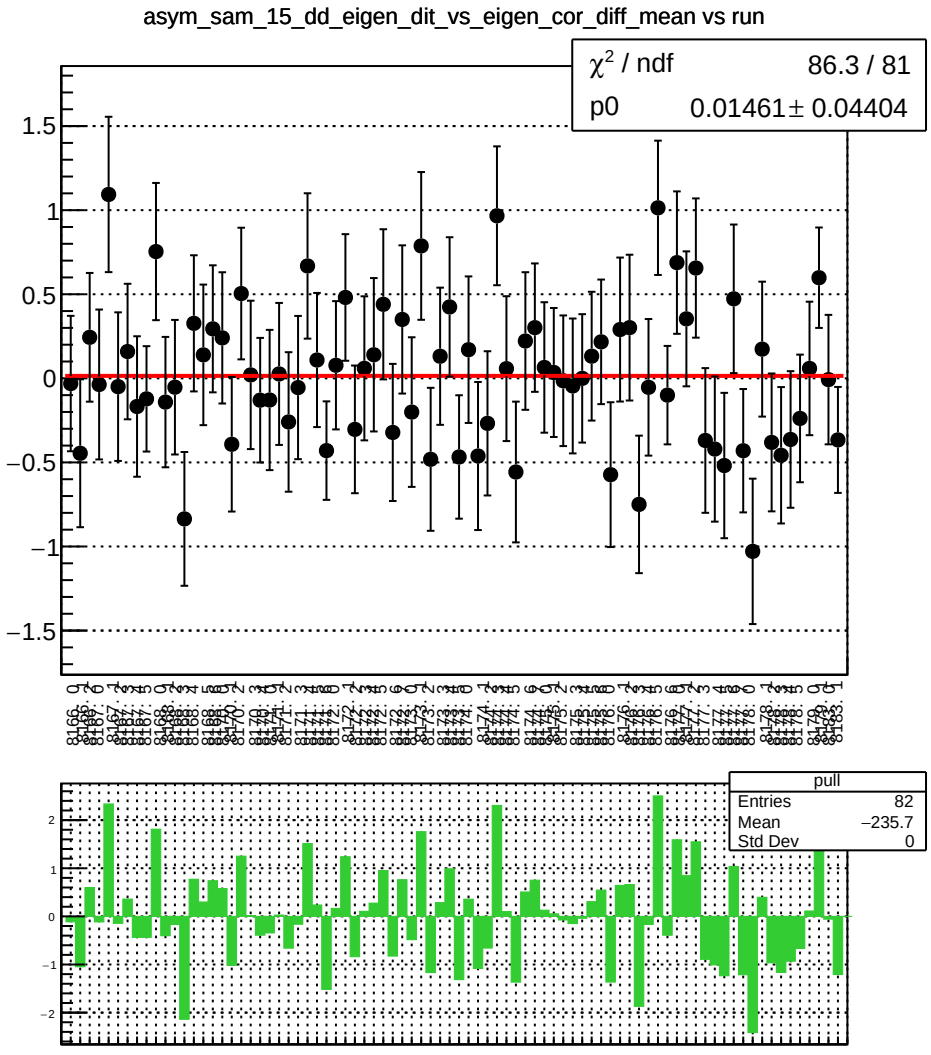

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.58 / 81
p0 −9.686e−07 ± 1.738e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 82
Mean −20.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

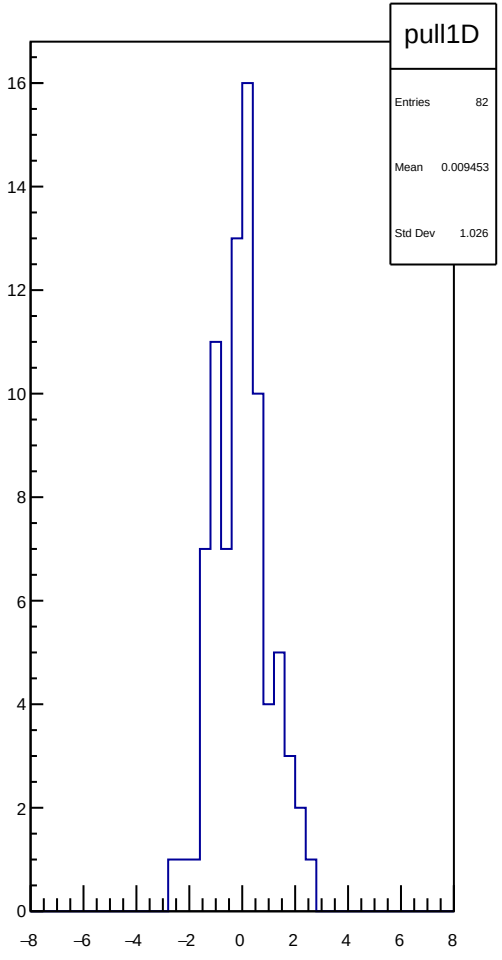

pull1D
Entries 82
Mean 0.02014
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

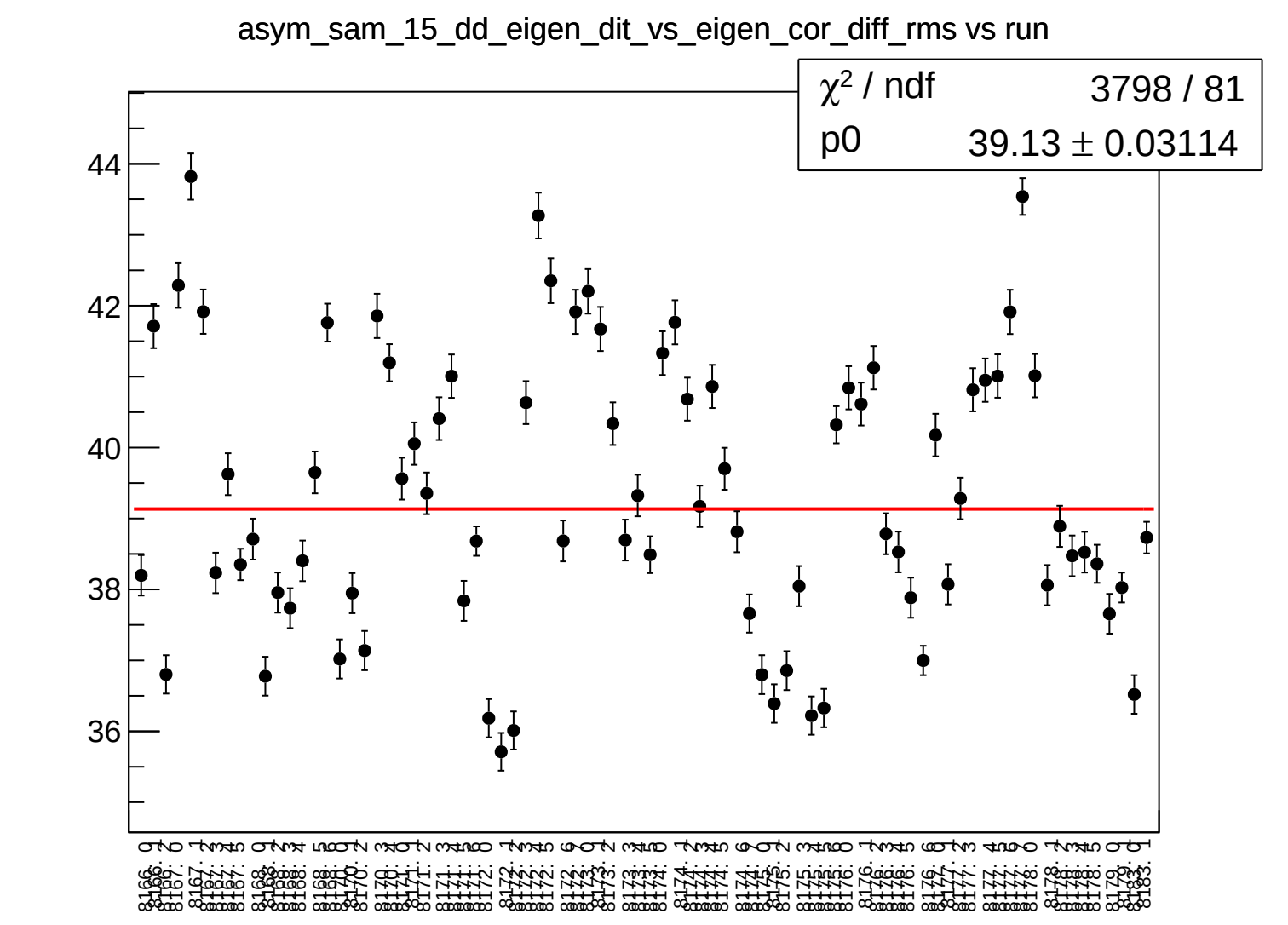

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.492e+04 / 81
p0 0.001539 ± 1.229e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

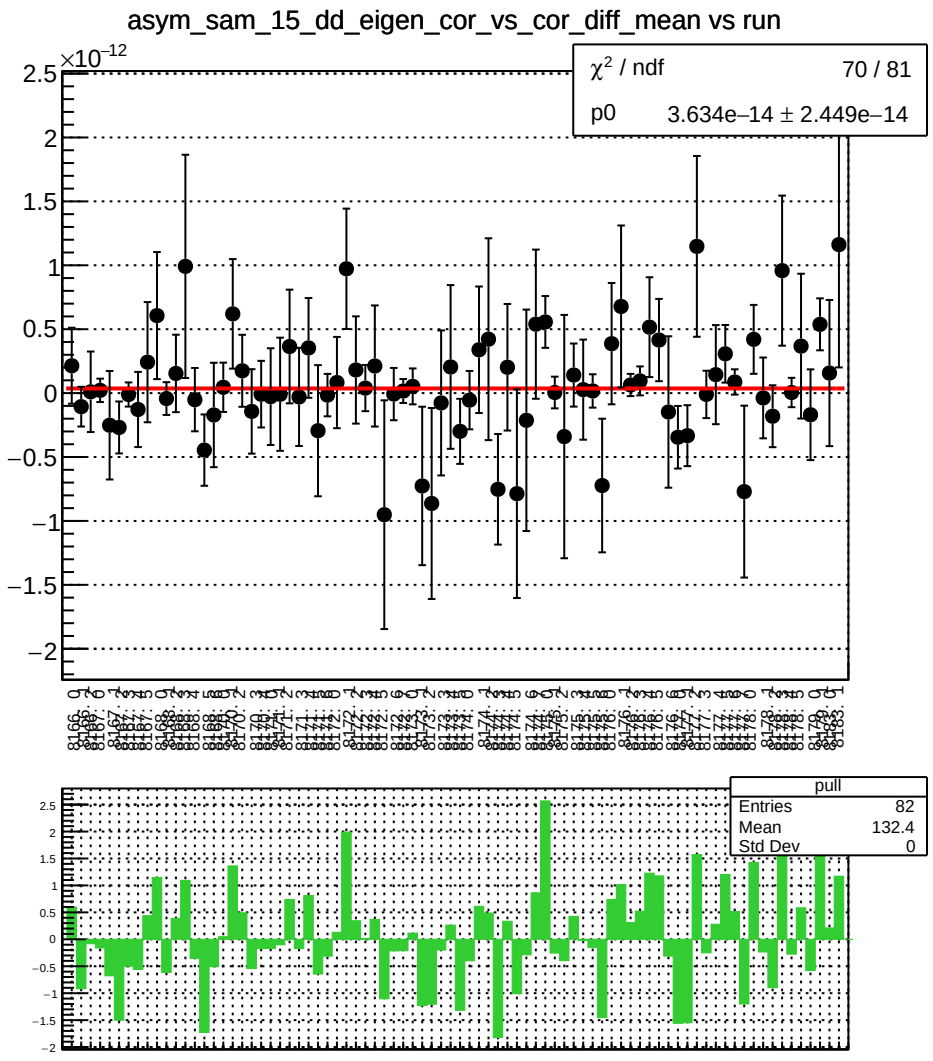

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.3 / 81
p0 0.01461 ± 0.04404
pull
Entries 82
Mean −235.7
Std Dev 0
pull1D
Entries 82
Mean 0.009453
Std Dev 1.026

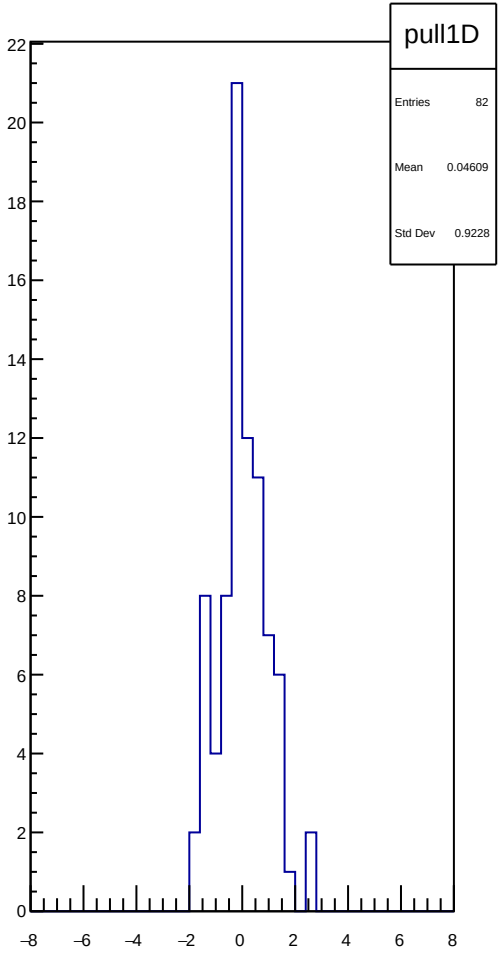

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3798 / 81
p0 39.13 ± 0.03114
44
42
40
38
36

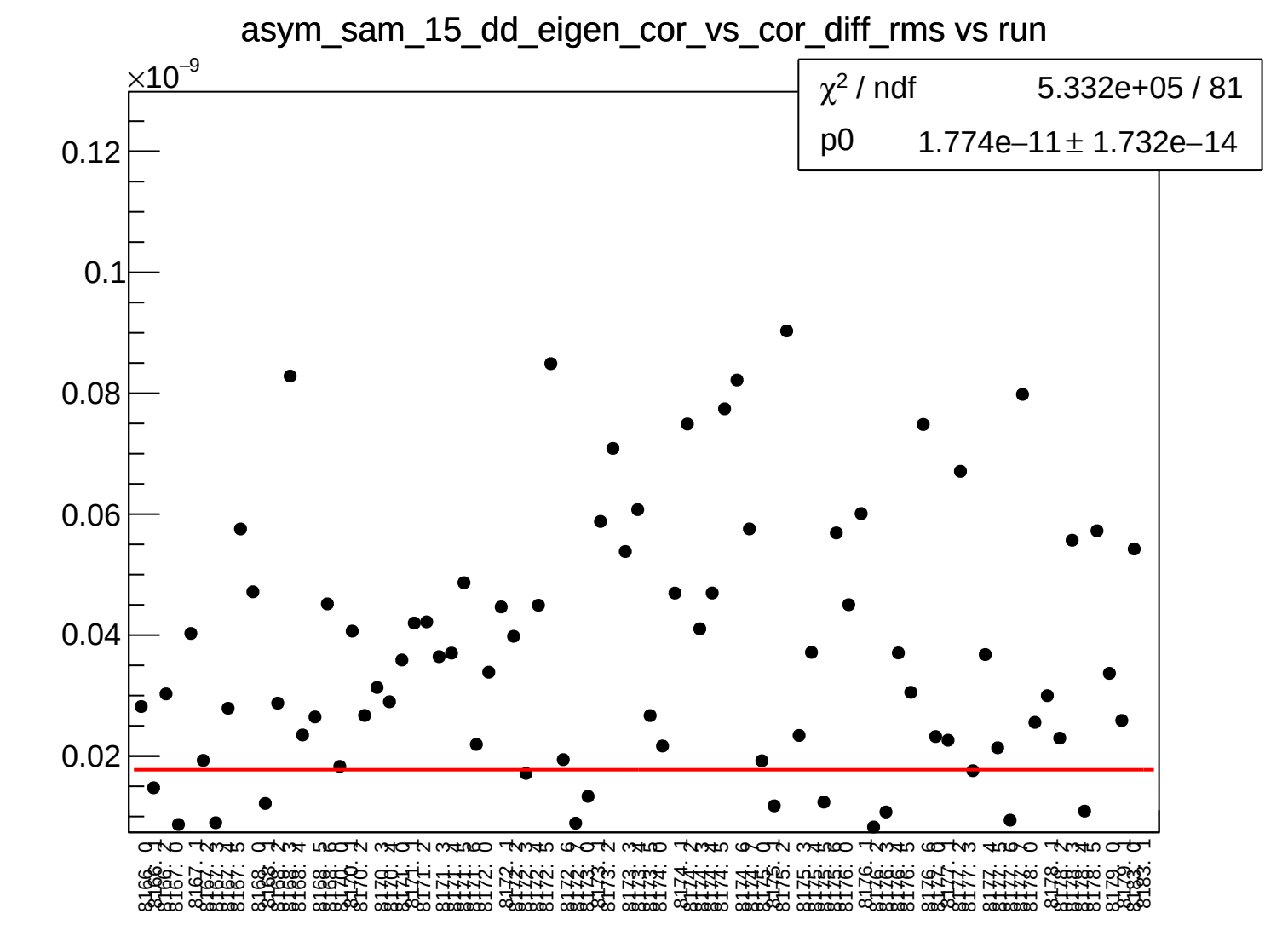

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.3 / 81
p0 0.01461 ± 0.04404
pull
Entries 82
Mean −235.7
Std Dev 0

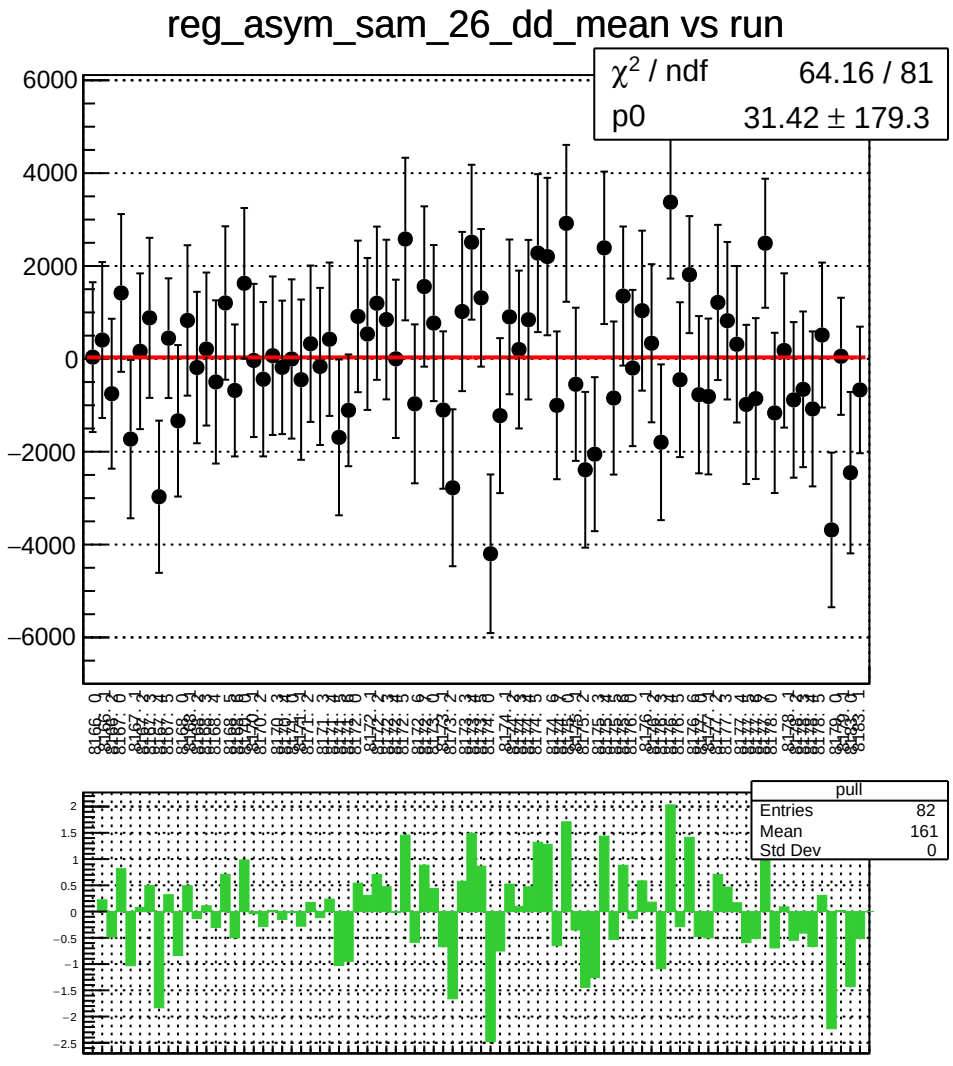

pull1D
Entries 82
Mean 0.009453
Std Dev 1.026

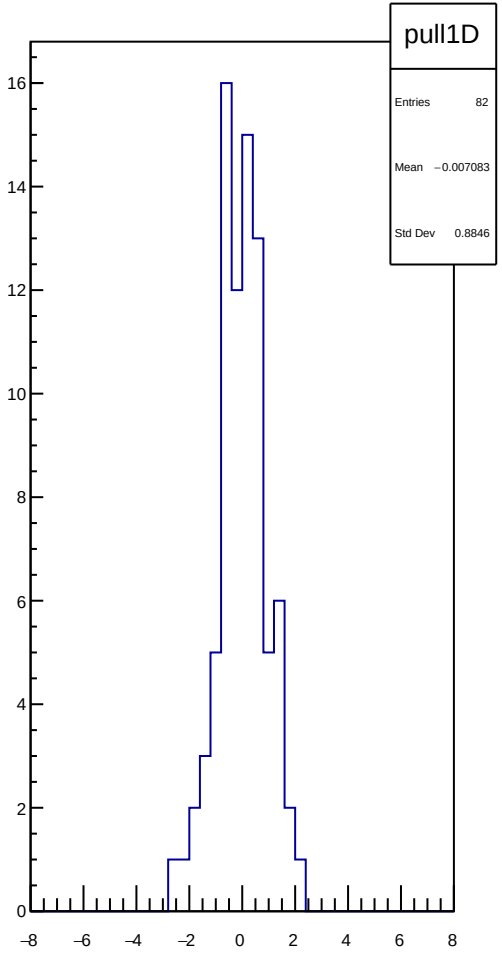

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3798 / 81
p0 39.13 ± 0.03114
44
42
40
38
36

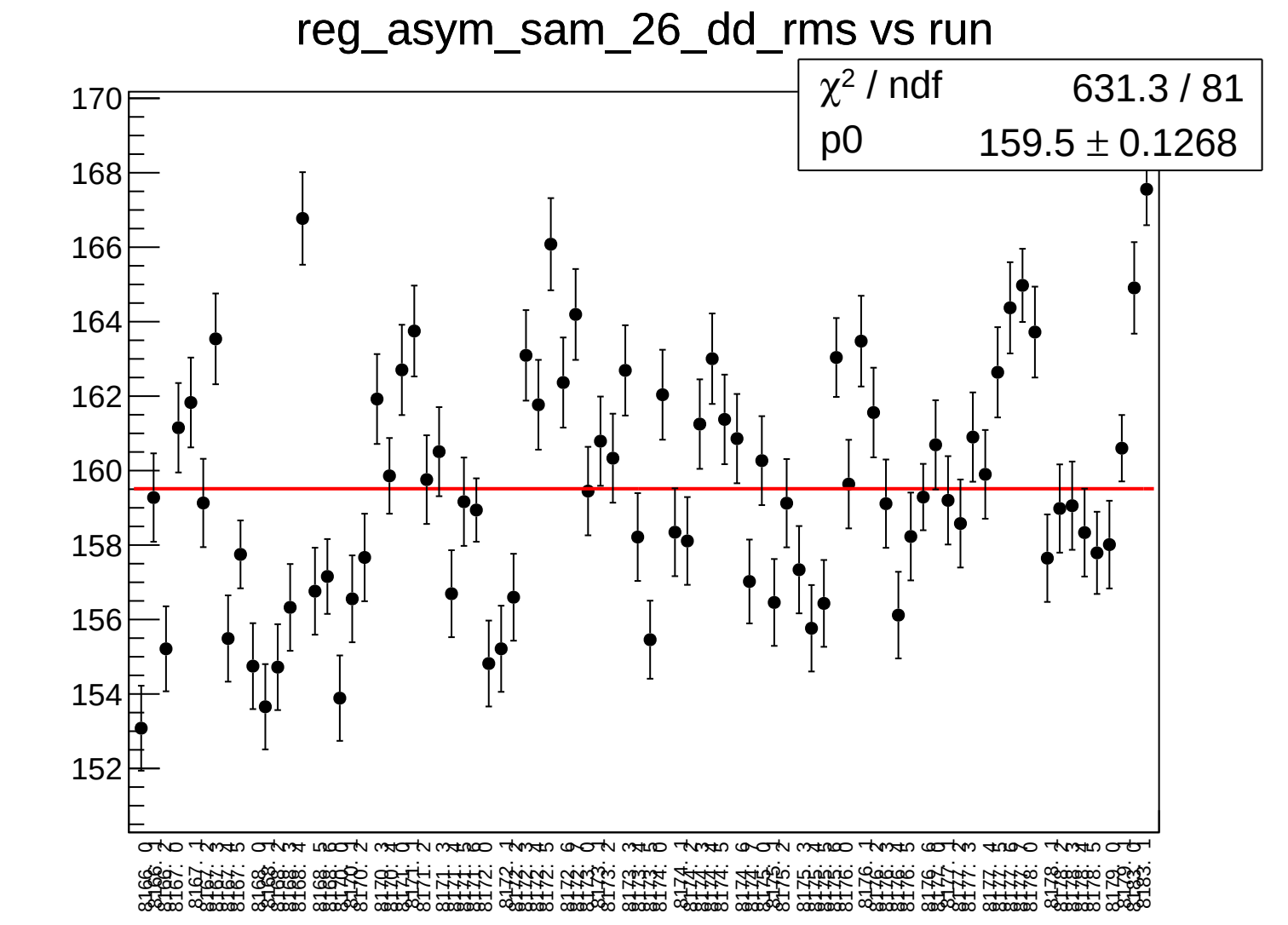

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70 / 81
p0 3.634e−14 ± 2.449e−14
pull
Entries 82
Mean 132.4
Std Dev 0

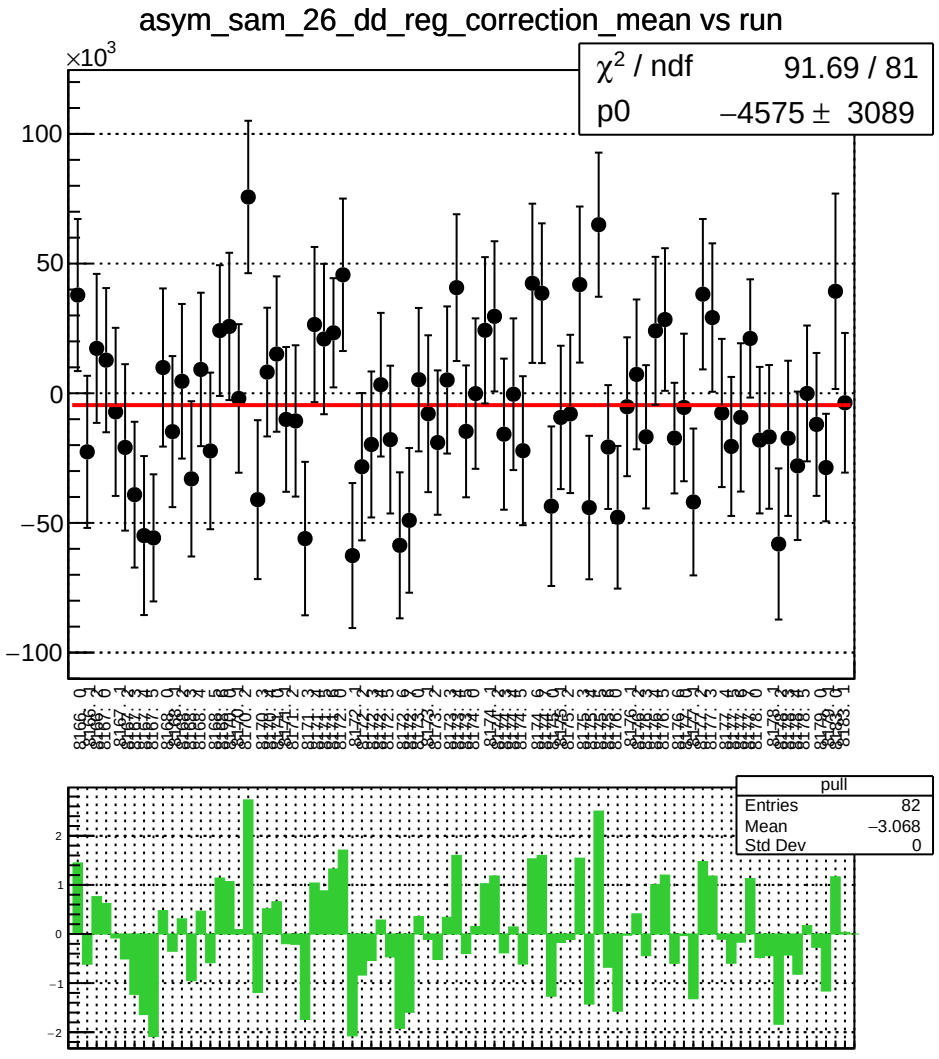

pull1D
Entries 82
Mean 0.04609
Std Dev 0.9228

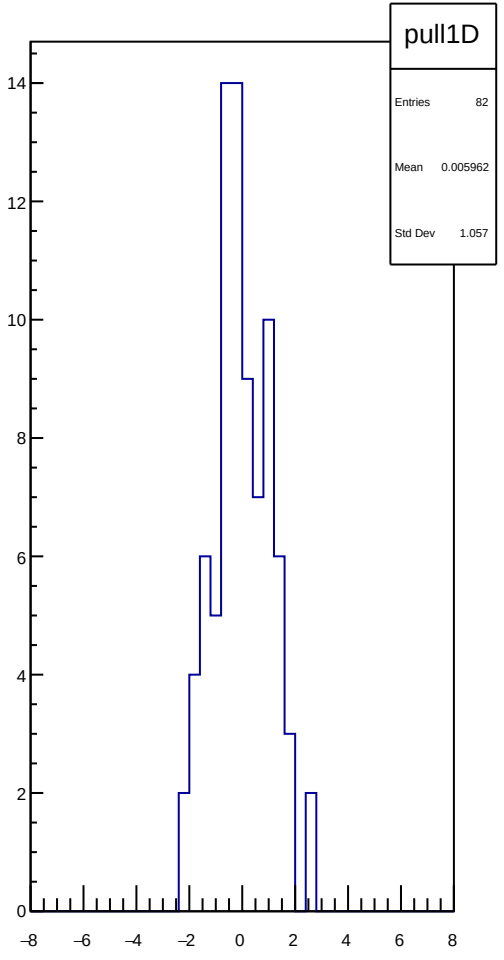

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.332e+05 / 81
p0 1.774e−11 ± 1.732e−14
0.12
0.1
0.08
0.06
0.04
0.02

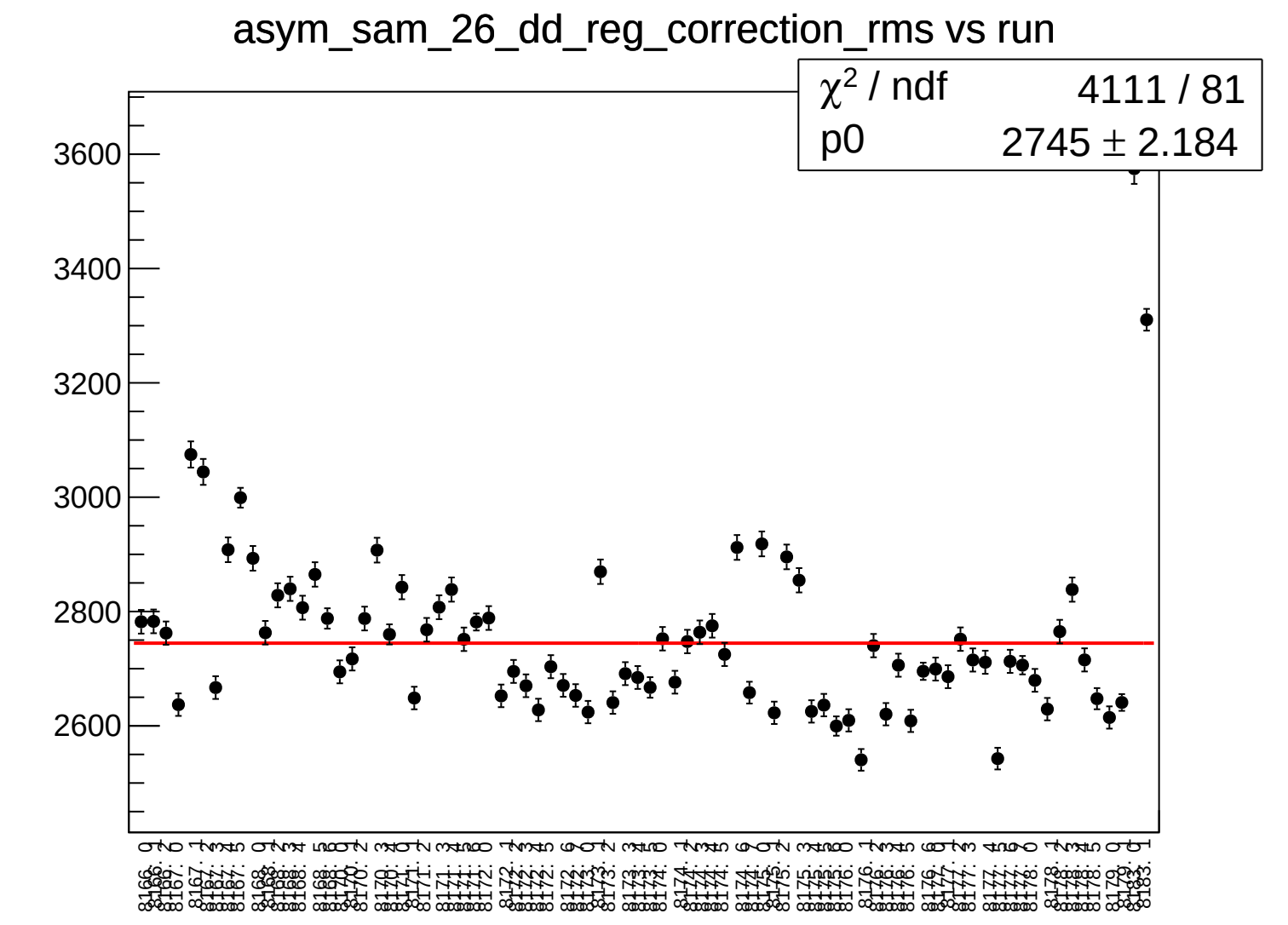

reg_asym_sam_26_dd_mean vs run
χ² / ndf 64.16 / 81
p0 31.42 ± 179.3
pull
Entries 82
Mean 161
Std Dev 0

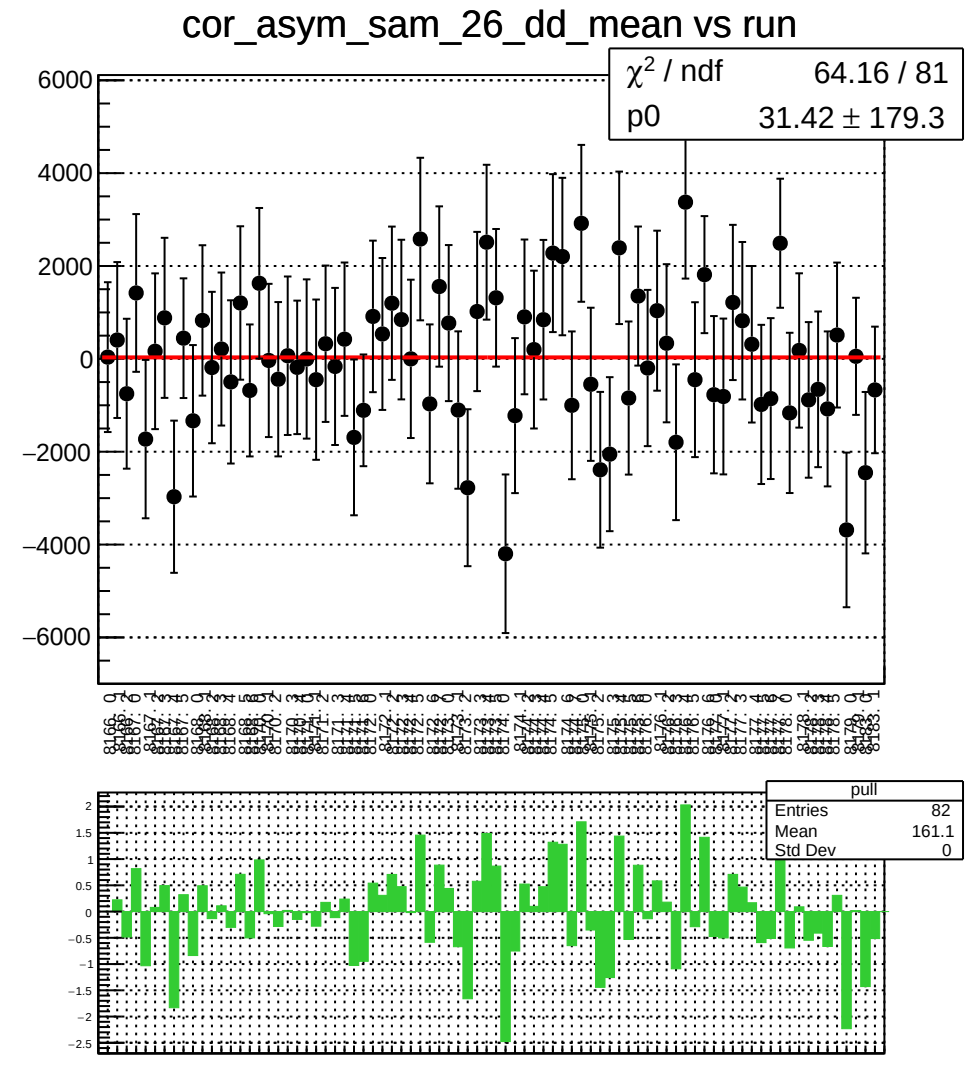

pull1D
Entries 82
Mean −0.007083
Std Dev 0.8846

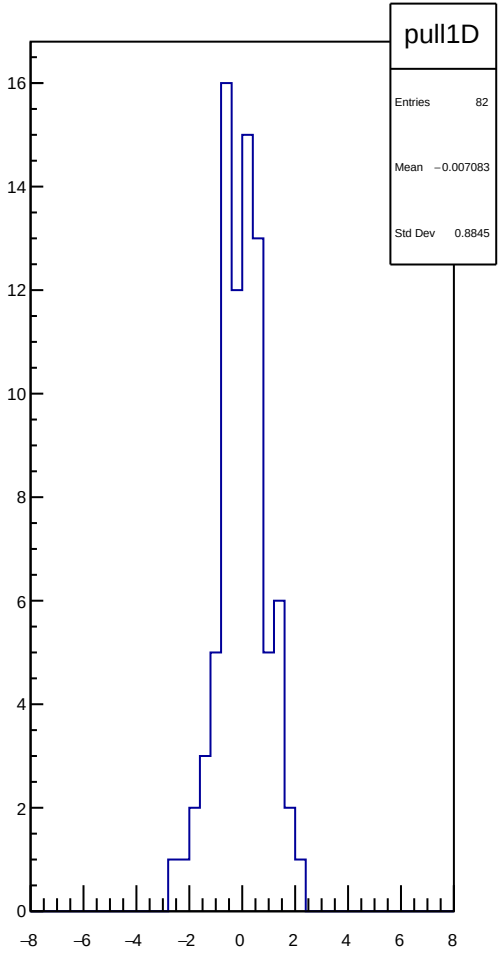

reg_asym_sam_26_dd_rms vs run
χ² / ndf 631.3 / 81
p0 159.5 ± 0.1268
170
168
166
164
162
160
158
156
154
152

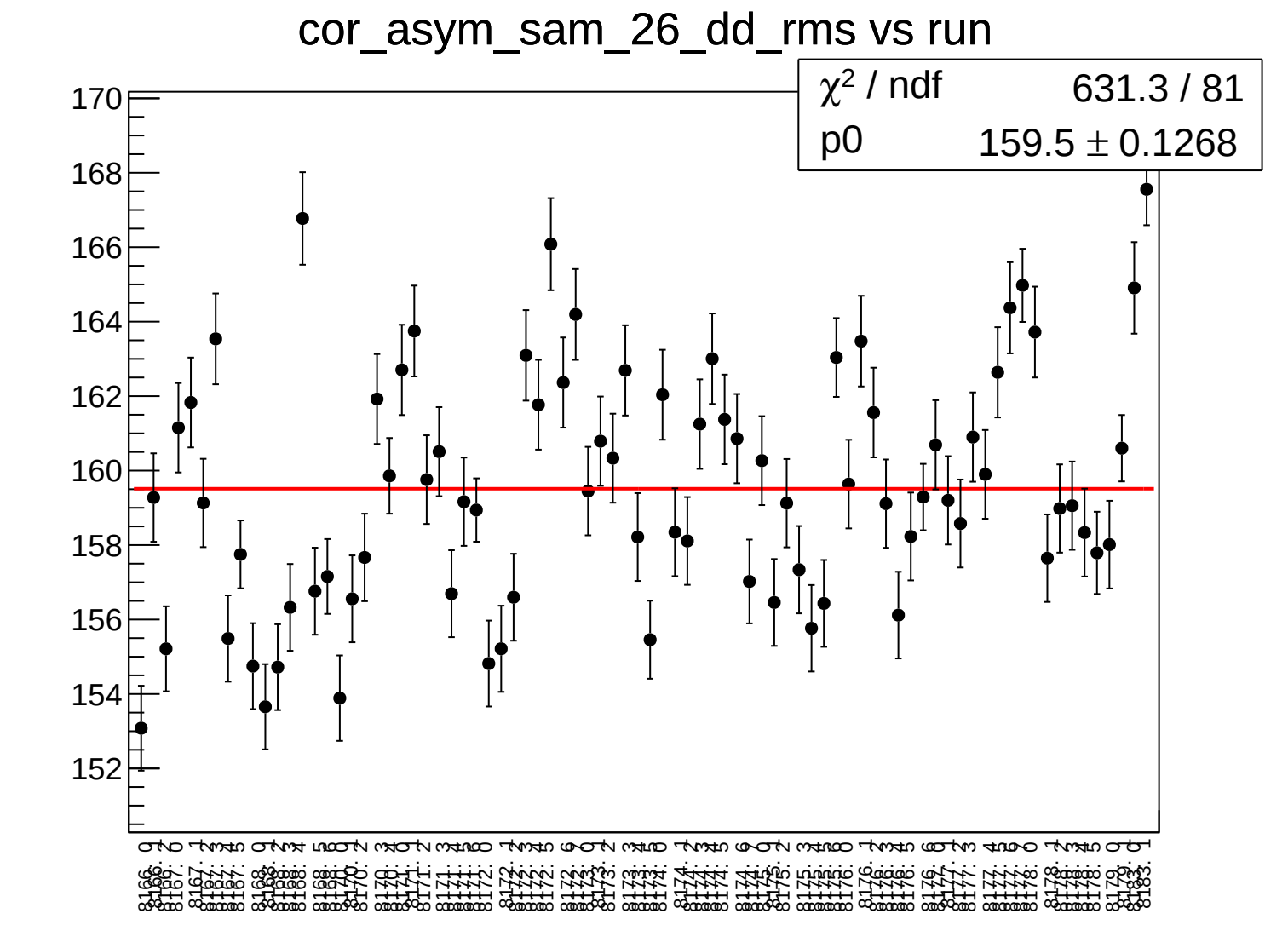

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 91.69 / 81
p0 −4575 ± 3089
100
50
0
−50
−100
pull
Entries 82
Mean −3.068
Std Dev 0
2
1
0
−1
−2

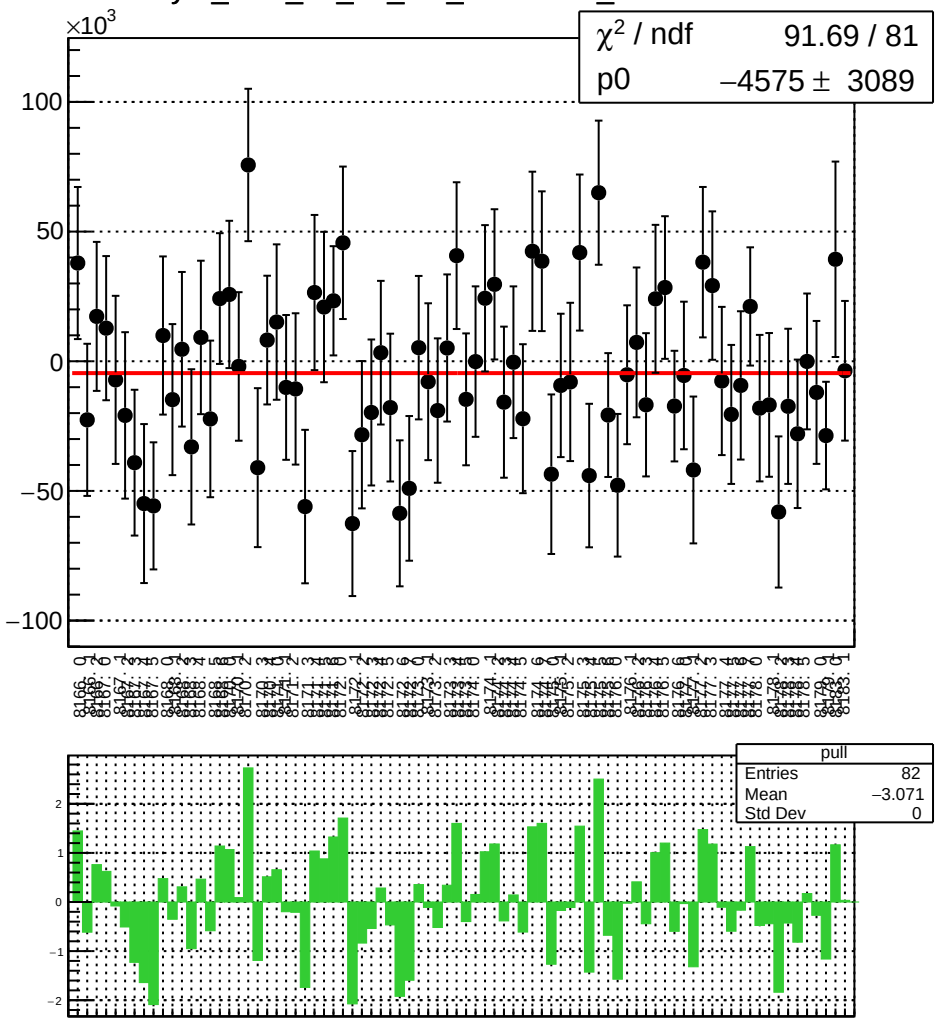

pull1D
Entries 82
Mean 0.005962
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

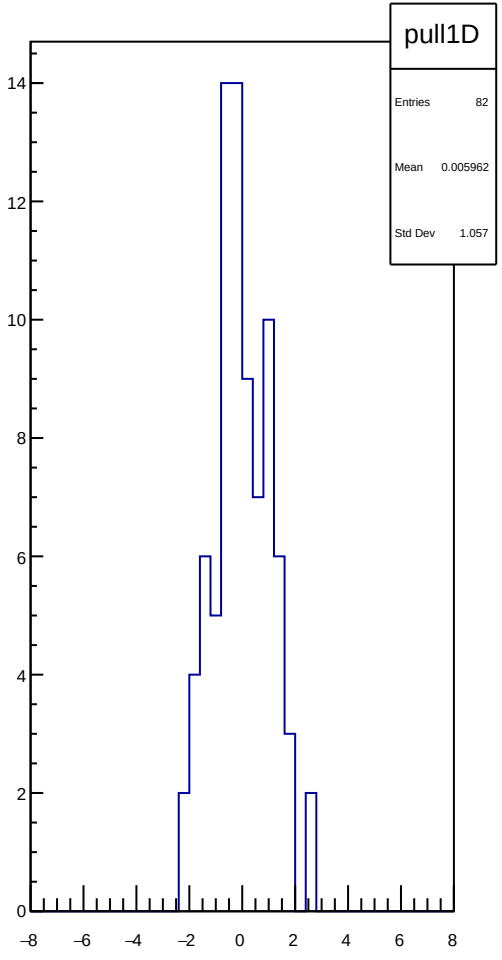

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 4111 / 81
p0 2745 ± 2.184
3600
3400
3200
3000
2800
2600

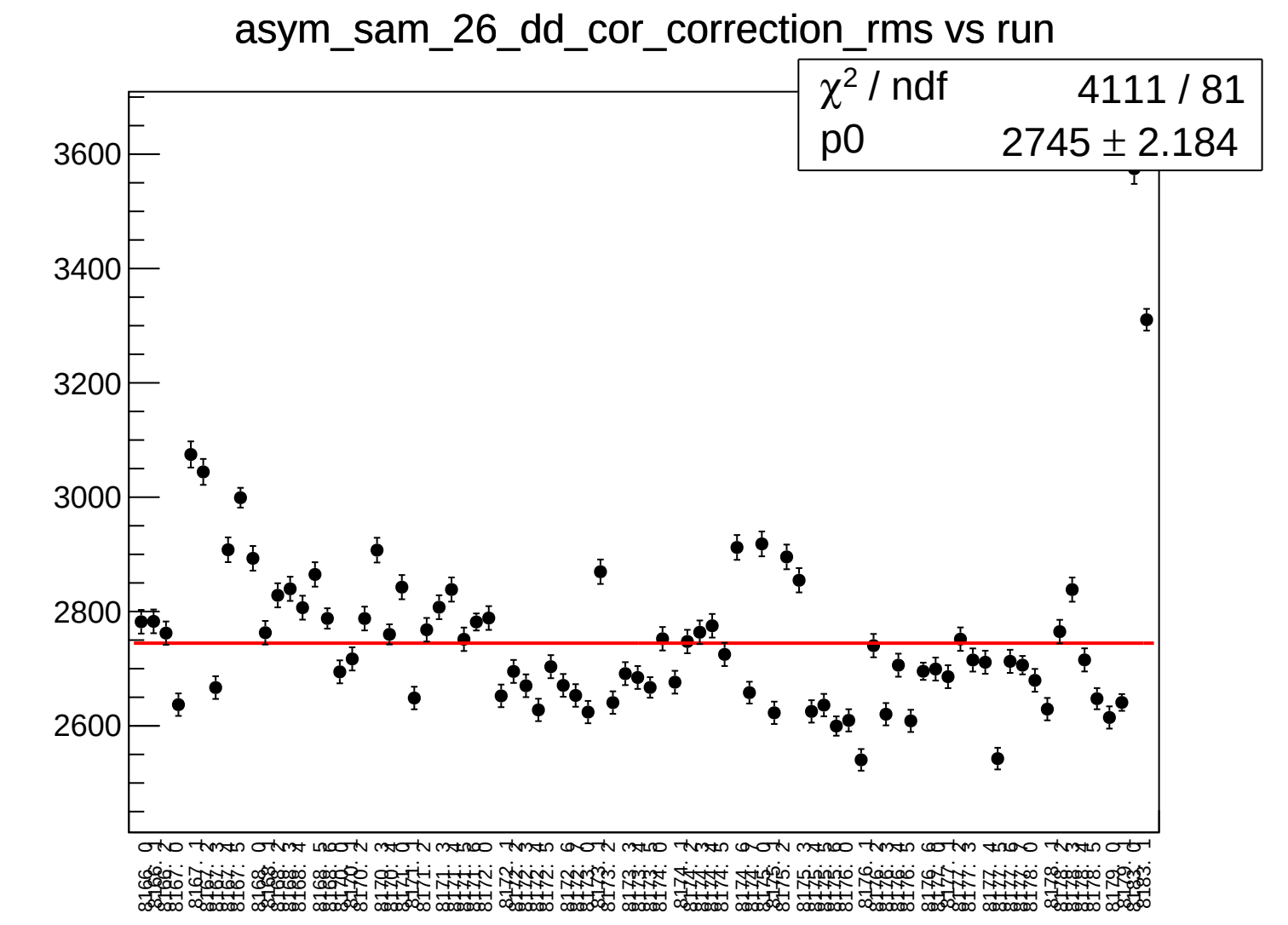

cor_asym_sam_26_dd_mean vs run
χ² / ndf 64.16 / 81
p0 31.42 ± 179.3
pull
Entries 82
Mean 161.1
Std Dev 0

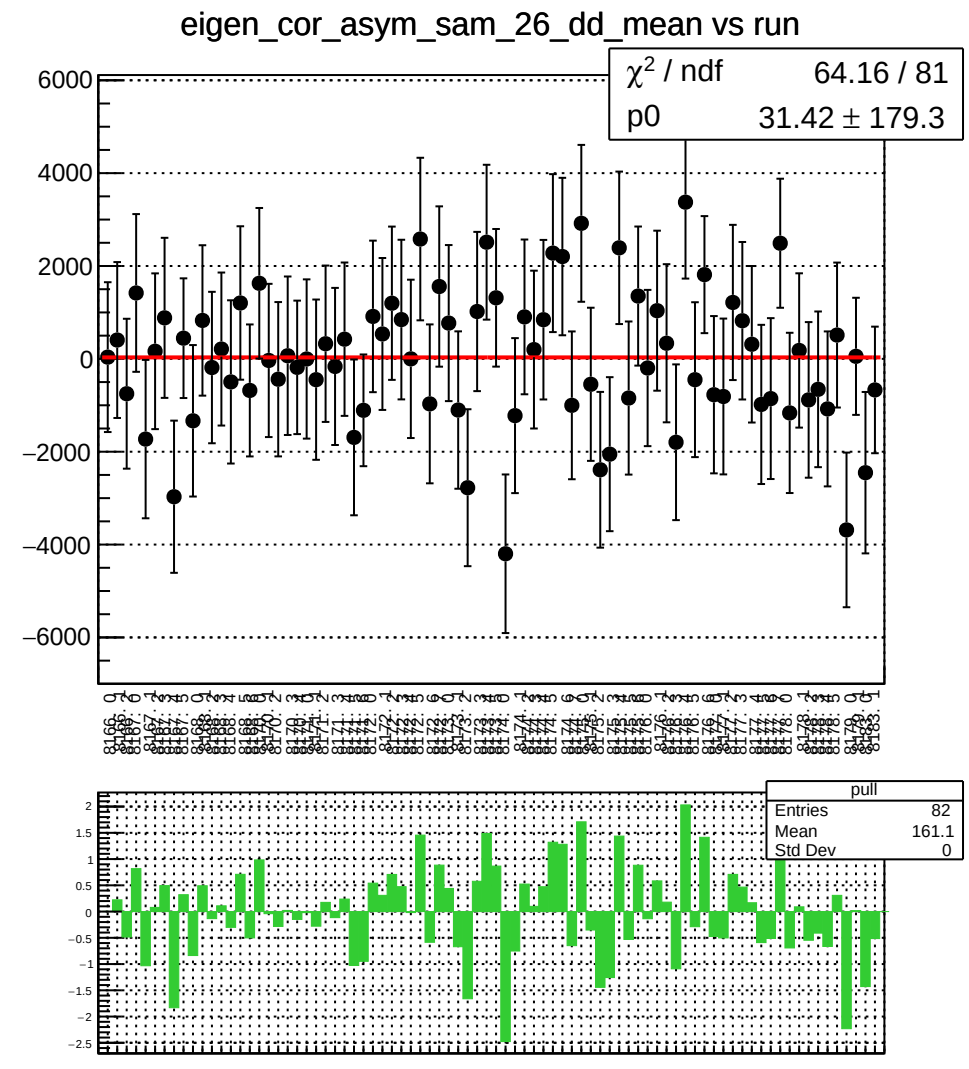

pull1D
Entries 82
Mean −0.007083
Std Dev 0.8845

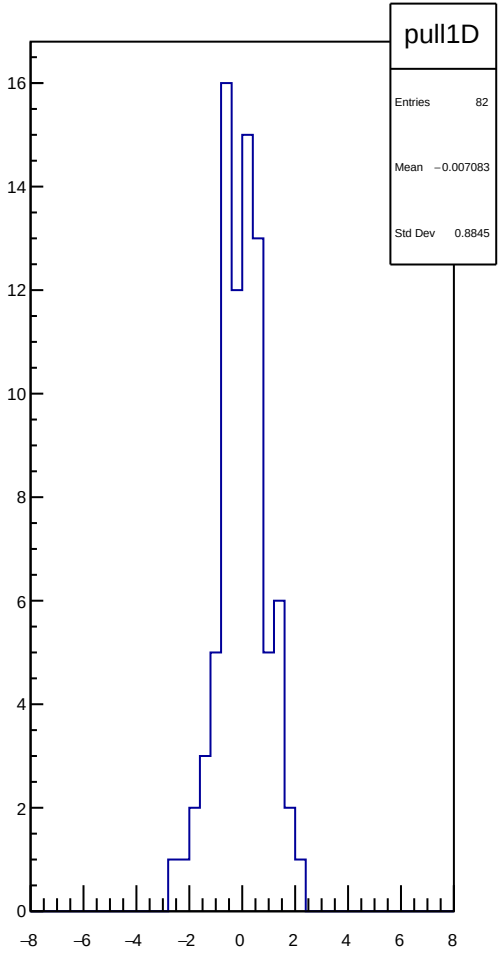

cor_asym_sam_26_dd_rms vs run
χ² / ndf 631.3 / 81
p0 159.5 ± 0.1268
170
168
166
164
162
160
158
156
154
152

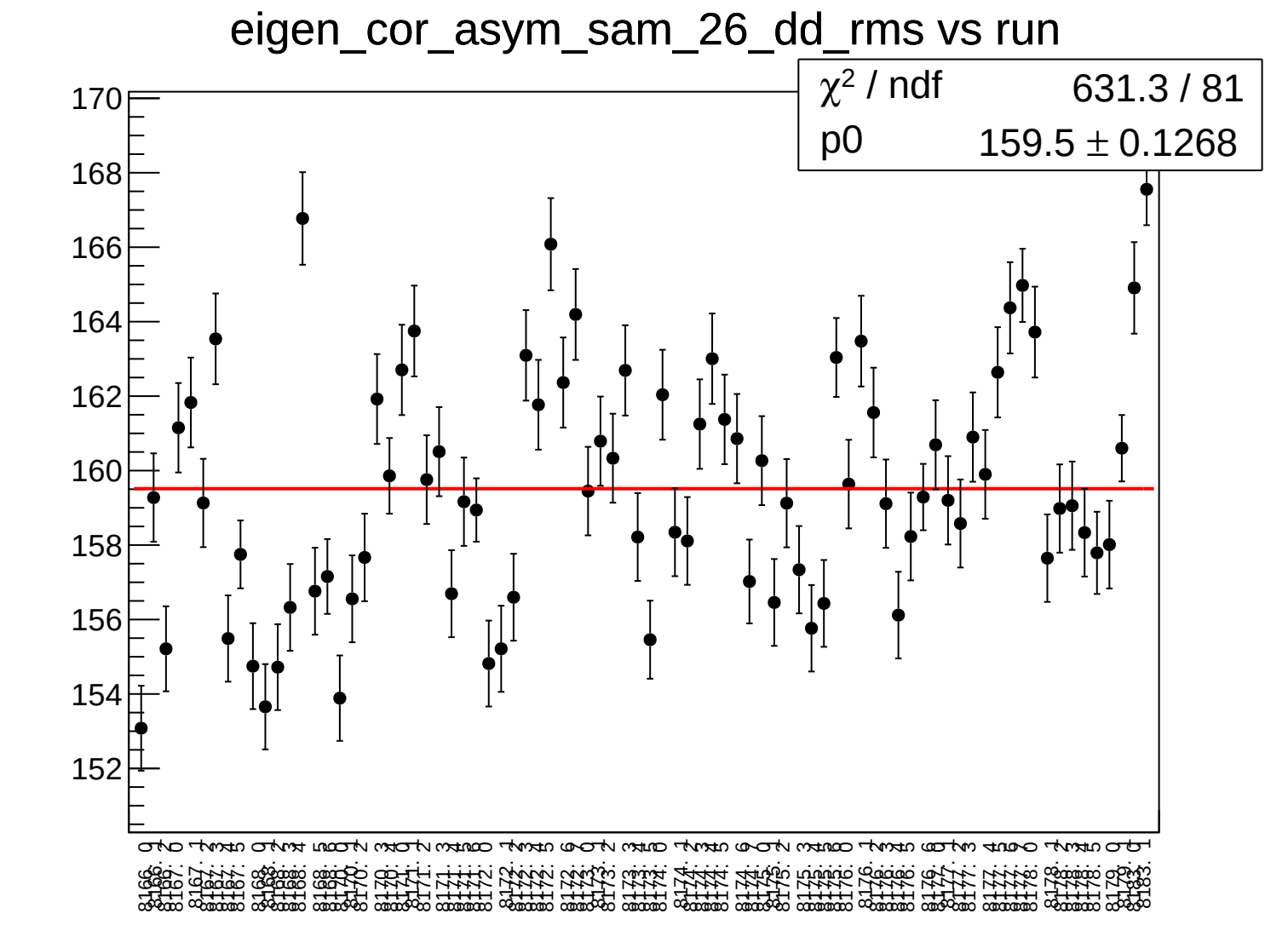

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 91.69 / 81
p0 −4575 ± 3089
100
50
0
−50
−100
pull
Entries 82
Mean −3.071
Std Dev 0
2
1
0
−1
−2

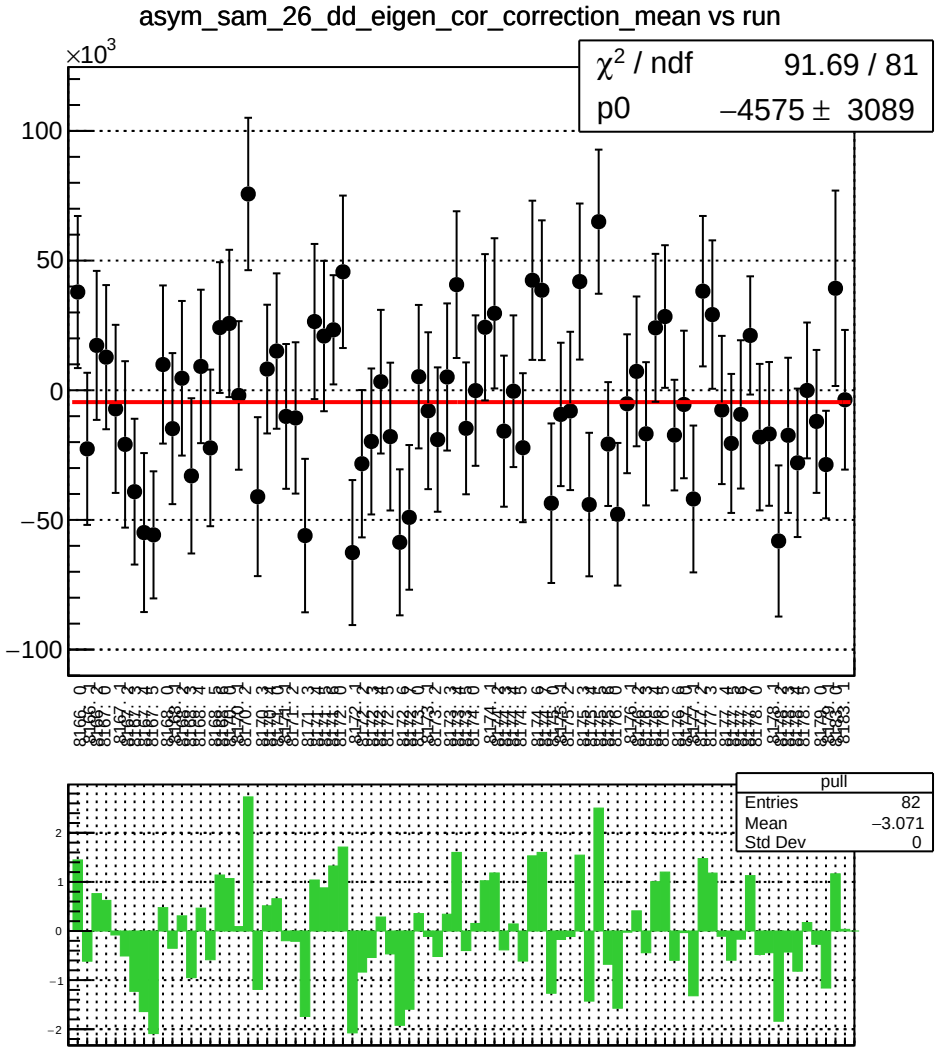

pull1D
Entries 82
Mean 0.005962
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

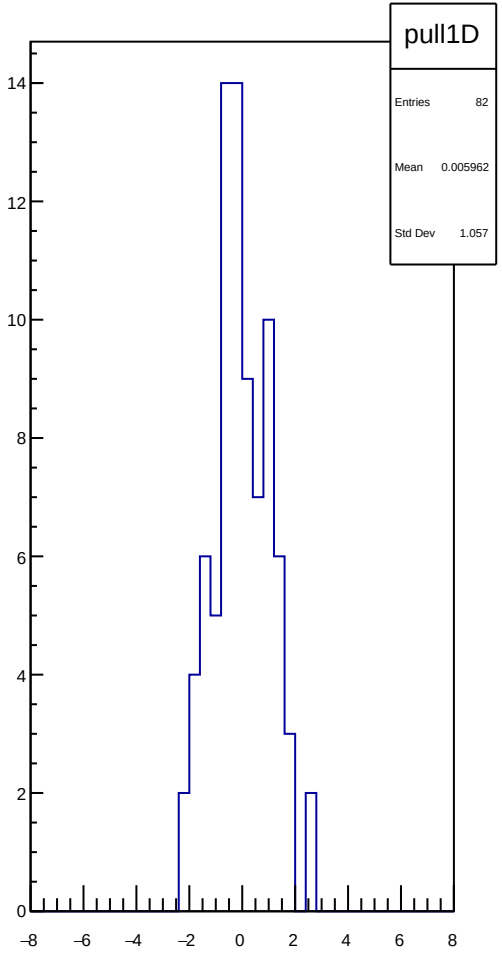

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 4111 / 81
p0 2745 ± 2.184
3600
3400
3200
3000
2800
2600

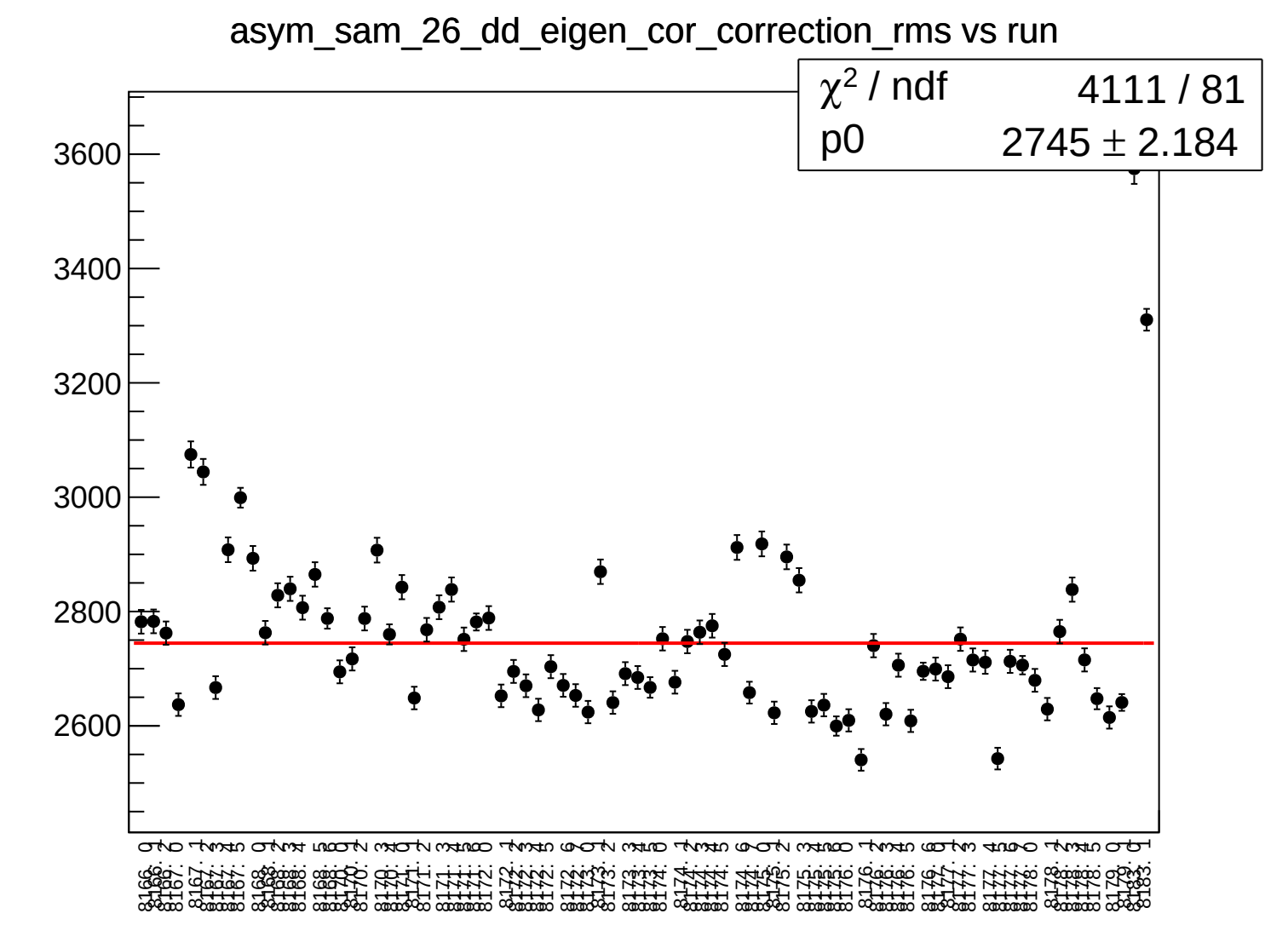

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 64.16 / 81
p0 31.42 ± 179.3
pull
Entries 82
Mean 161.1
Std Dev 0

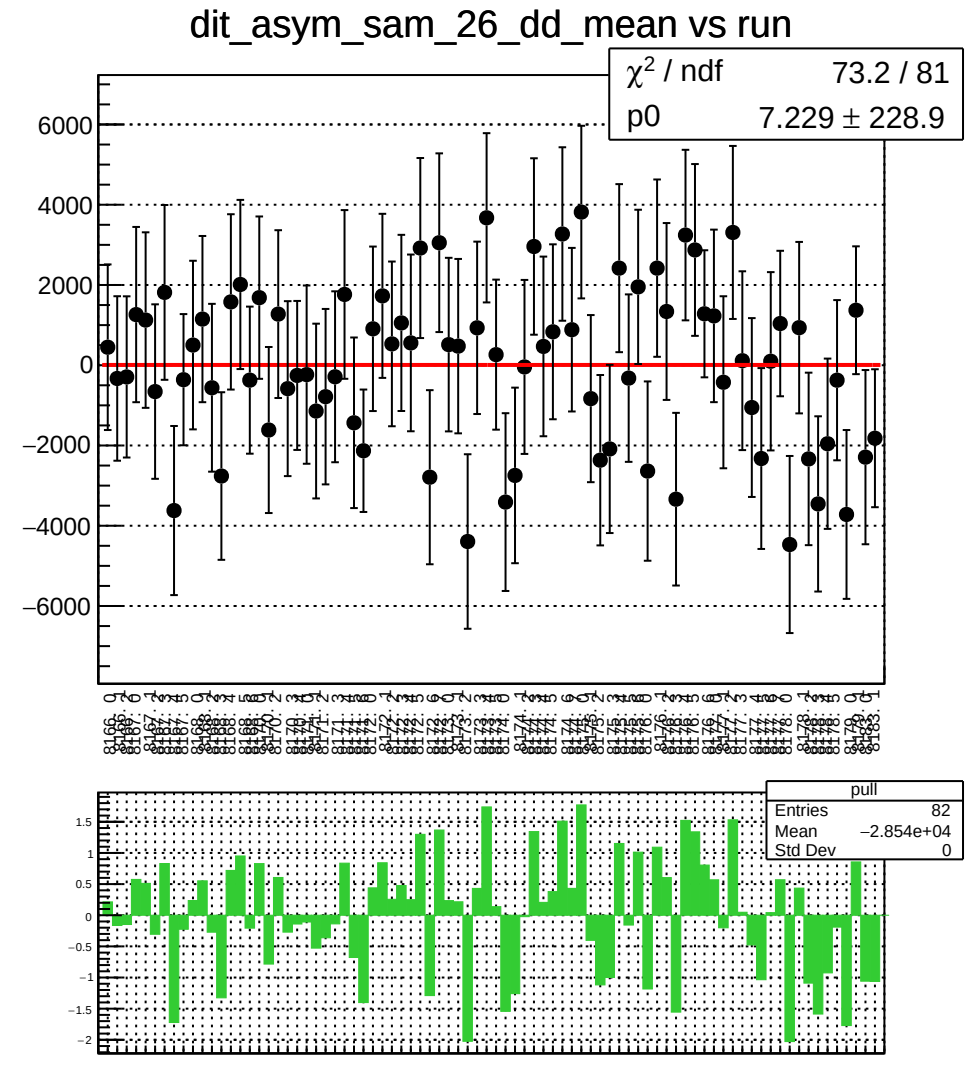

pull1D
Entries 82
Mean −0.007083
Std Dev 0.8845

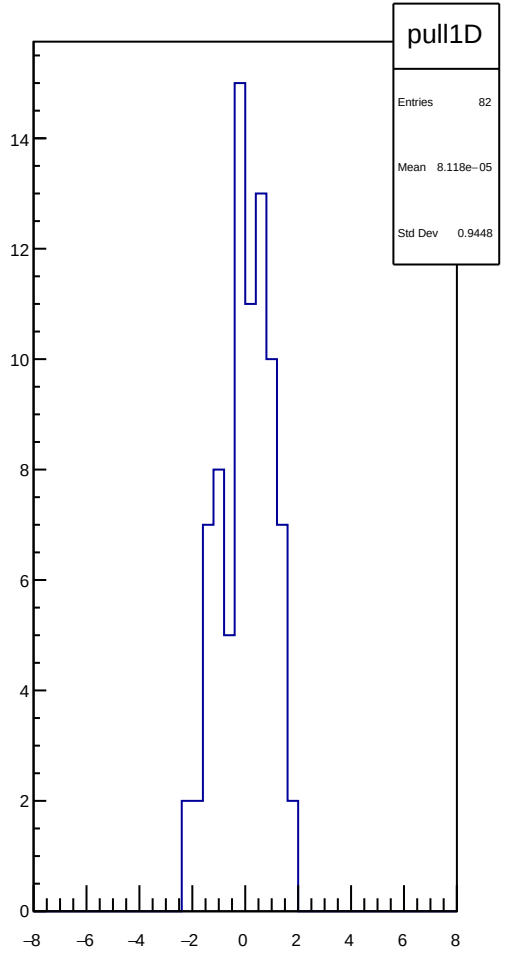

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 631.3 / 81
p0 159.5 ± 0.1268
170
168
166
164
162
160
158
156
154
152

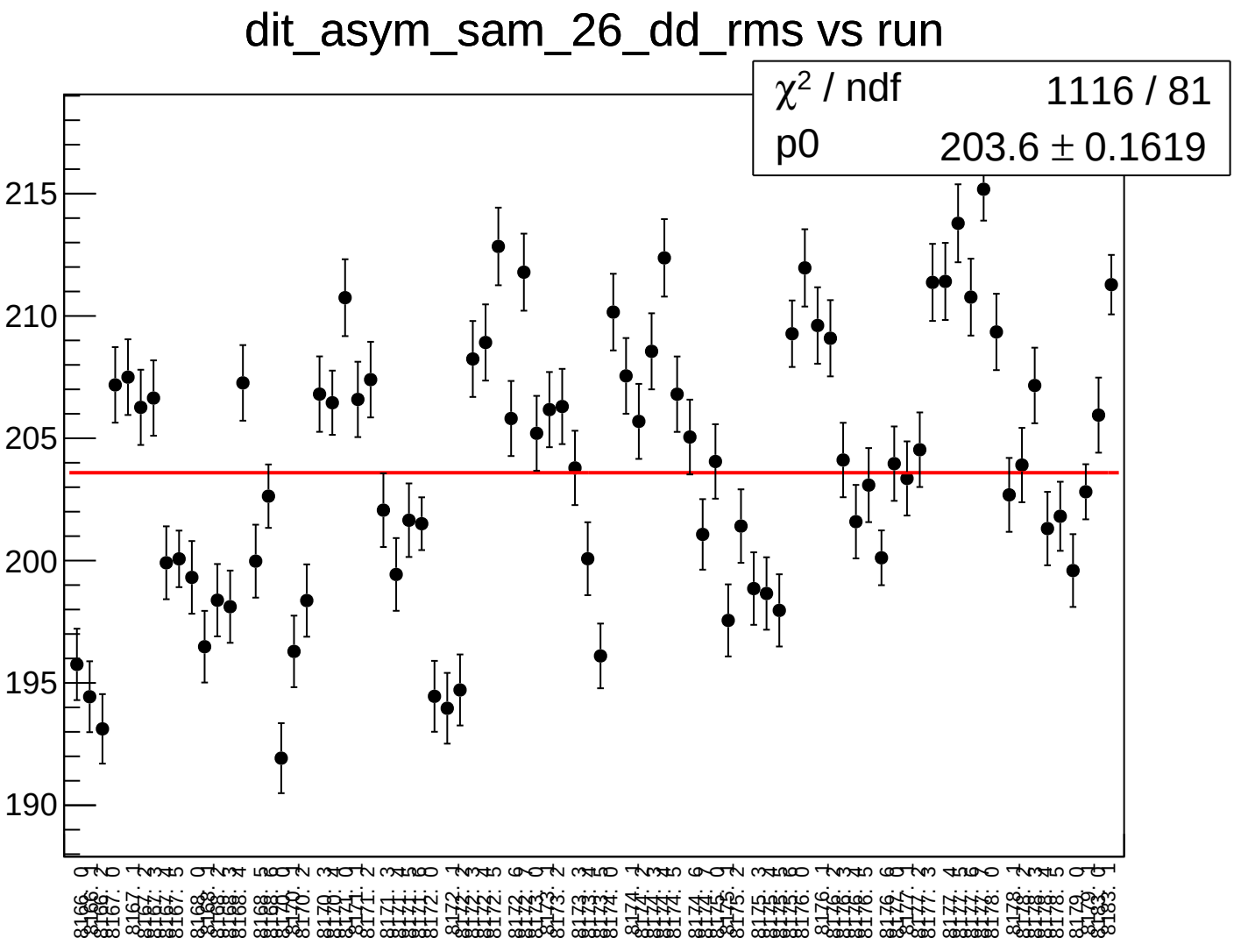

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 91.69 / 81
p0 −4575 ± 3089
100
50
0
−50
−100
pull
Entries 82
Mean −3.071
Std Dev 0
2
1
0
−1
−2

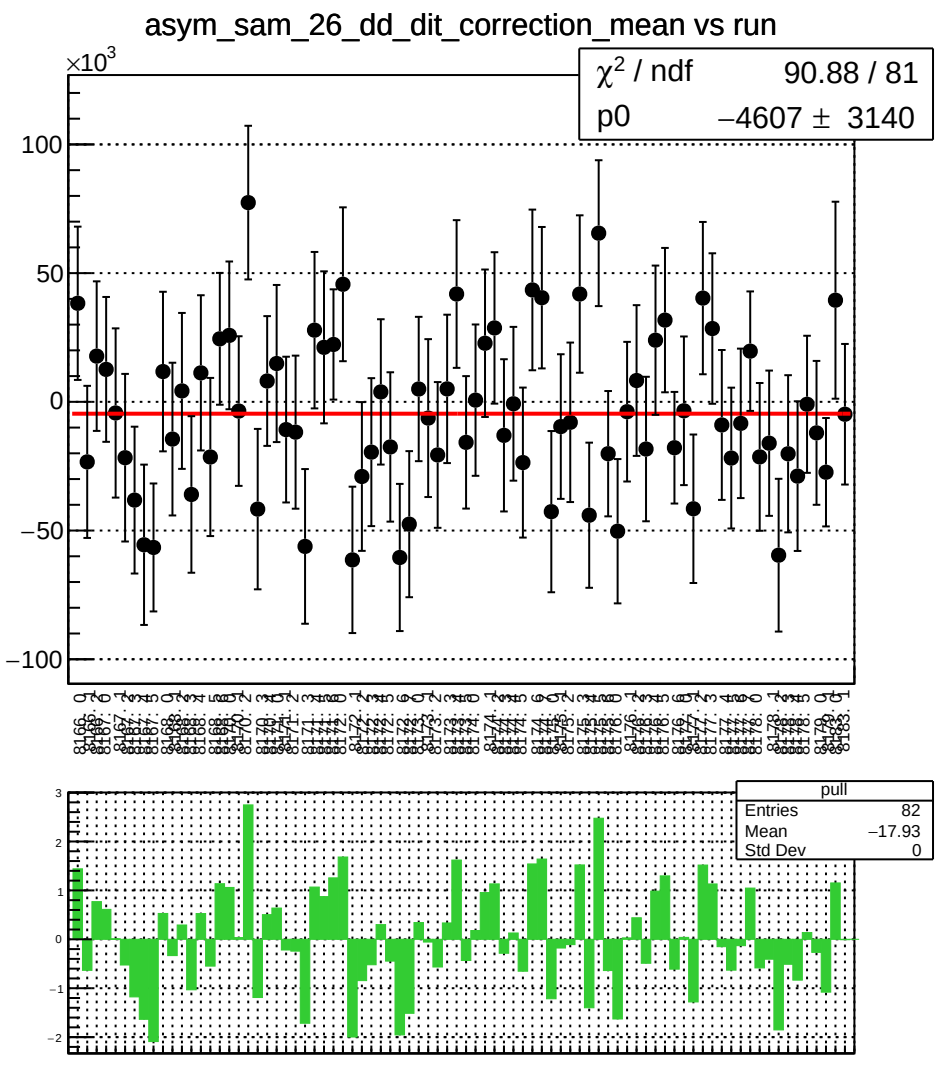

pull1D
Entries 82
Mean 0.005962
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

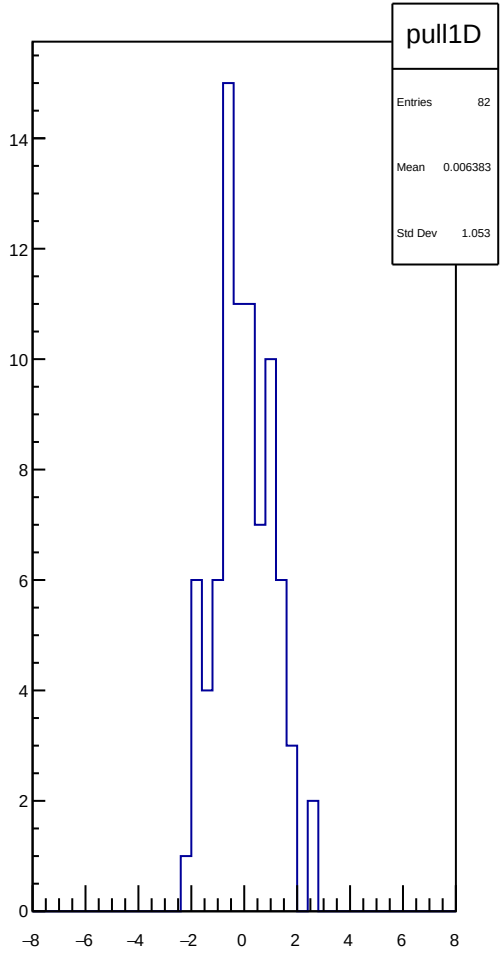

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4111 / 81
p0 2745 ± 2.184
3600
3400
3200
3000
2800
2600

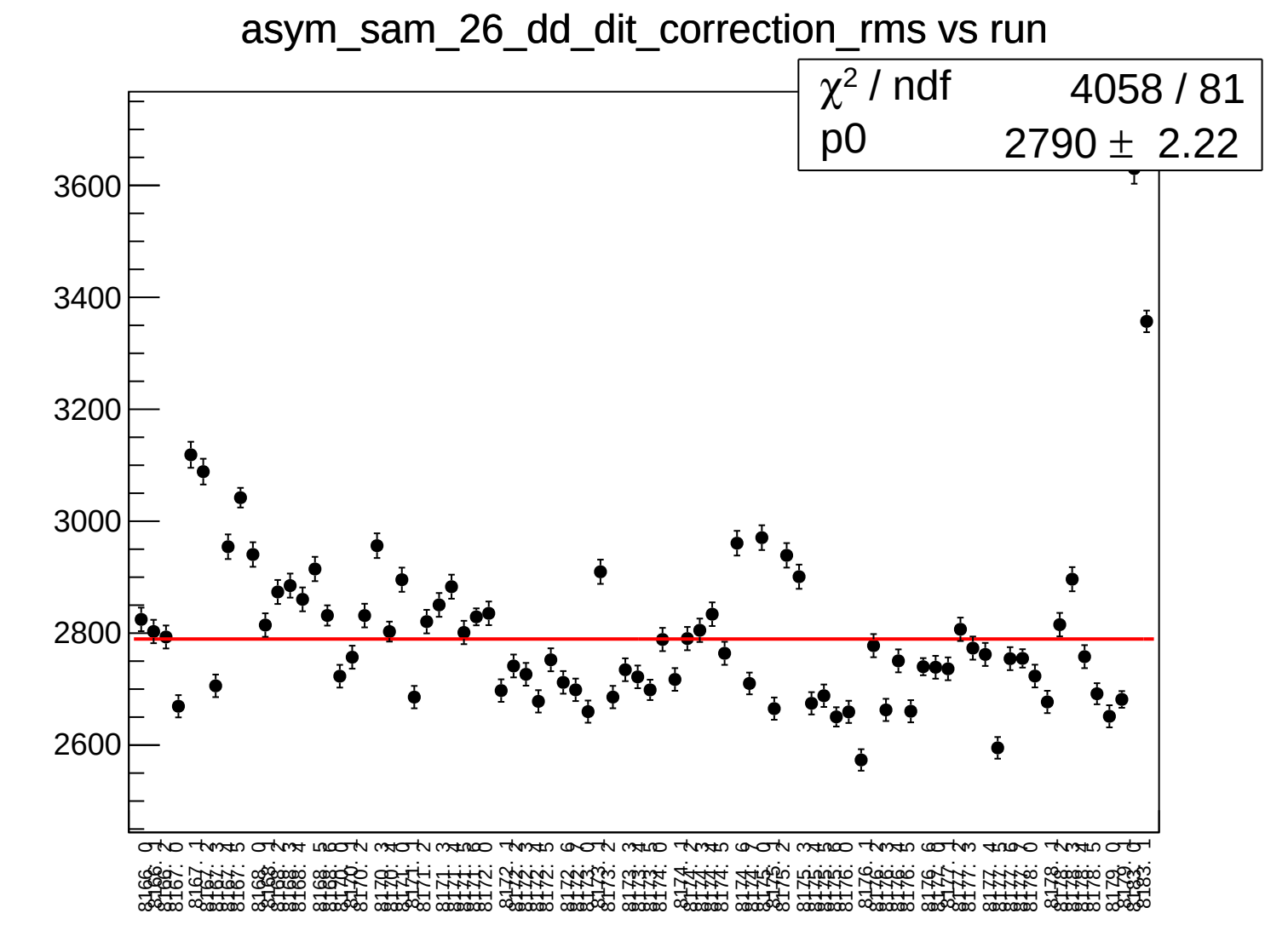

dit_asym_sam_26_dd_mean vs run
χ² / ndf 73.2 / 81
p0 7.229 ± 228.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −2.854e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

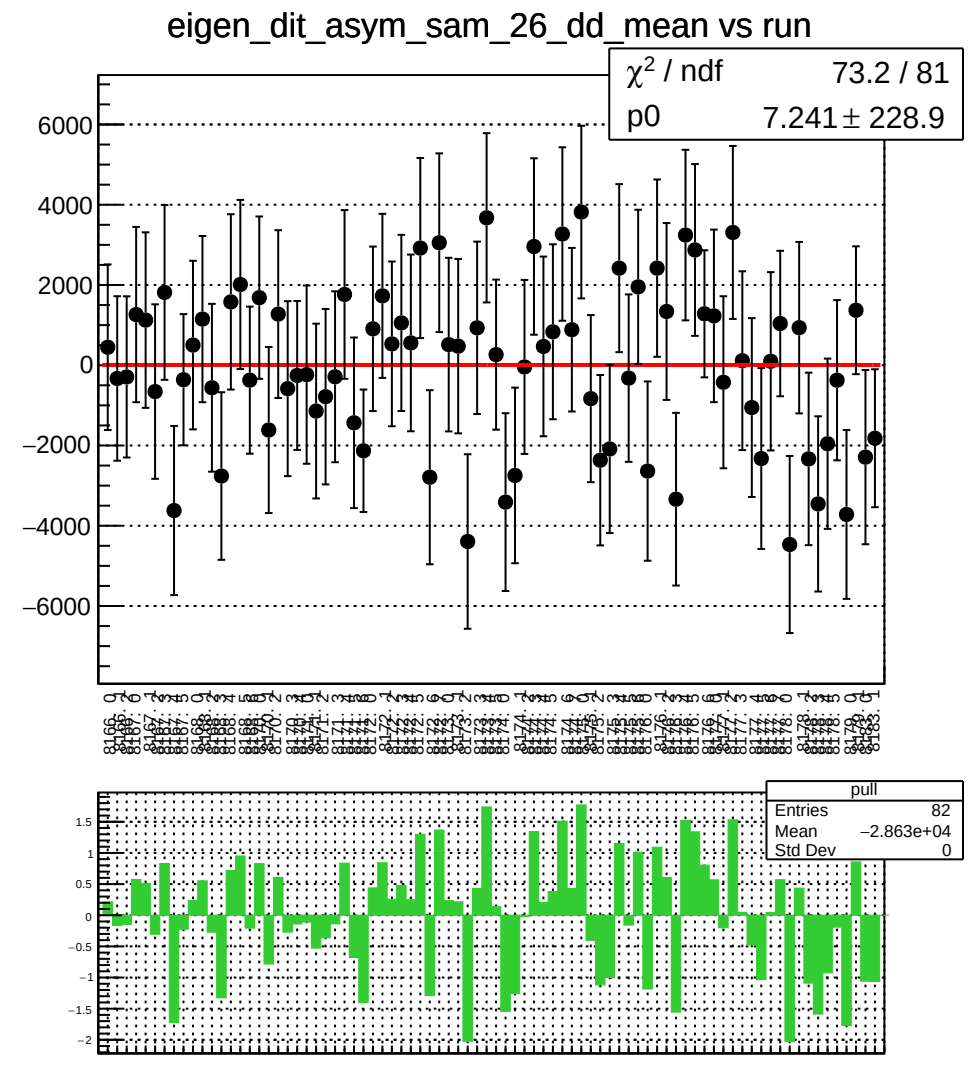

pull1D
Entries 82
Mean 8.118e−05
Std Dev 0.9448
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

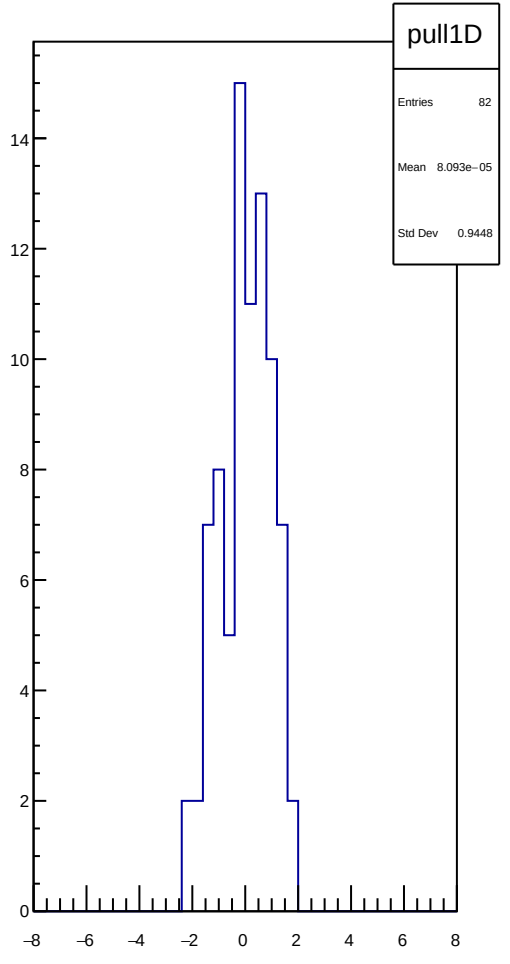

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 1116 / 81
p0 203.6 ± 0.1619
215
210
205
200
195
190

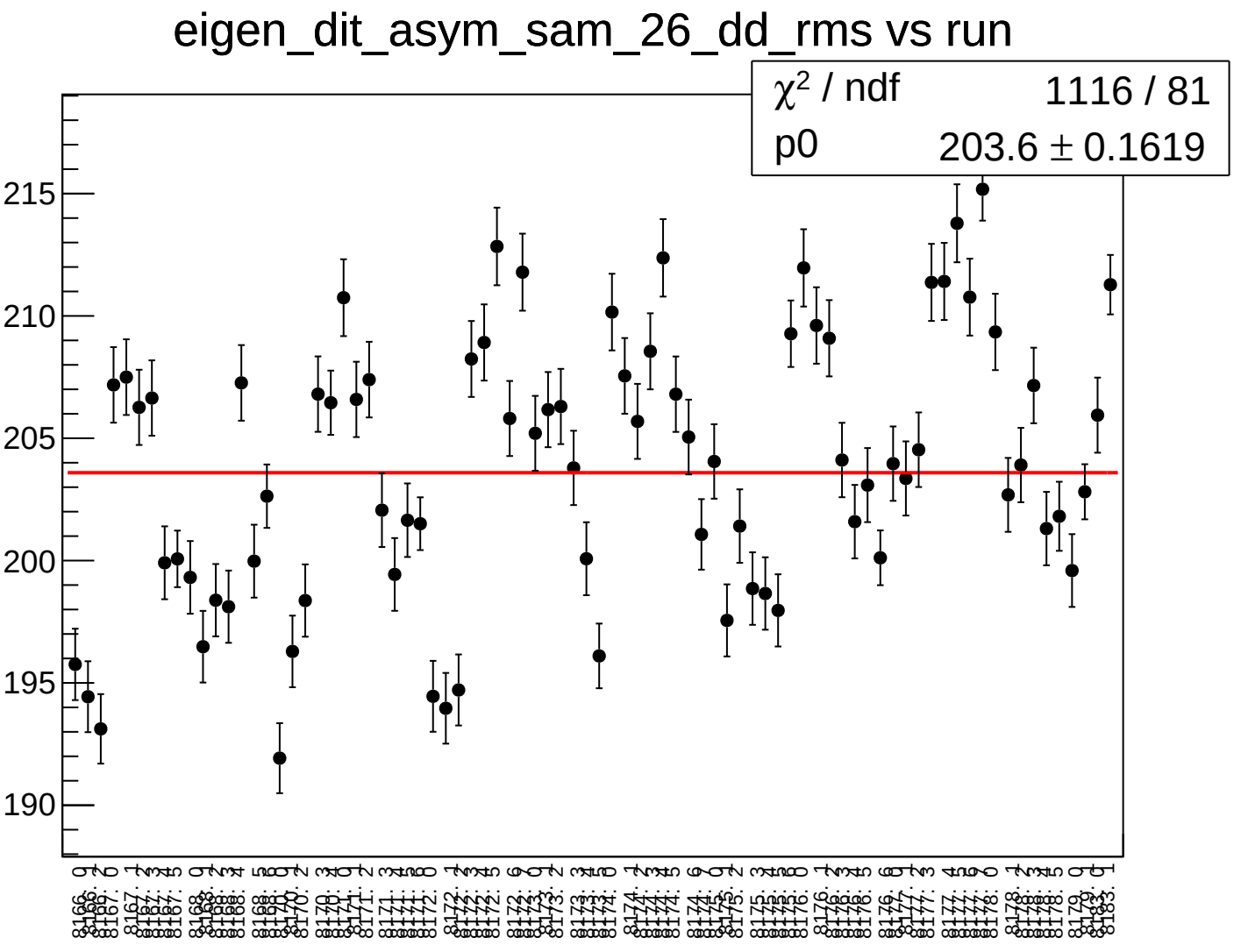

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 90.88 / 81
p0 −4607 ± 3140
100
50
0
−50
−100
pull
Entries 82
Mean −17.93
Std Dev 0
3
2
1
0
−1
−2

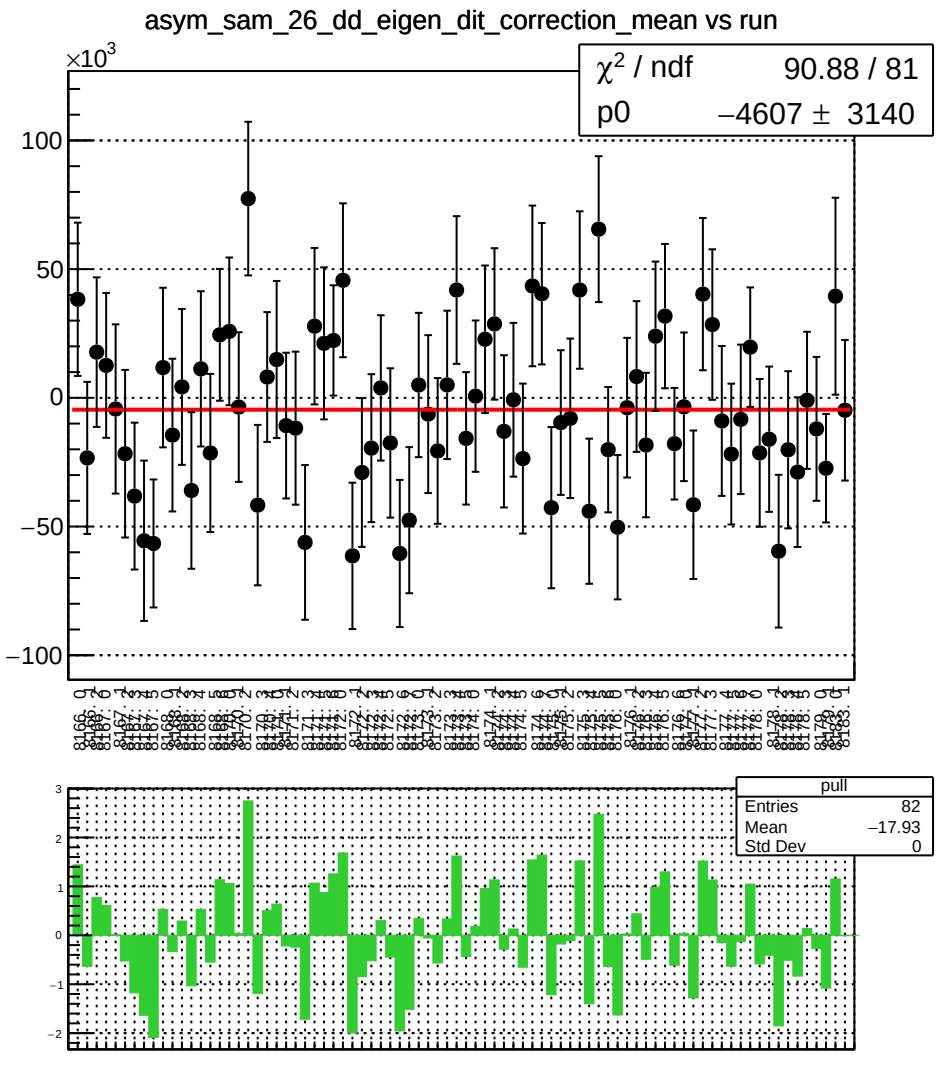

pull1D
Entries 82
Mean 0.006383
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

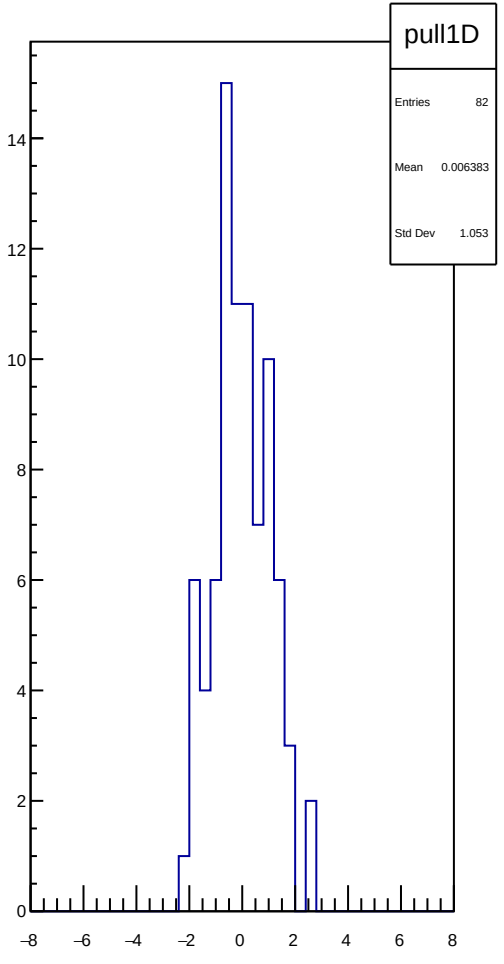

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 4058 / 81
p0 2790 ± 2.22
3600
3400
3200
3000
2800
2600

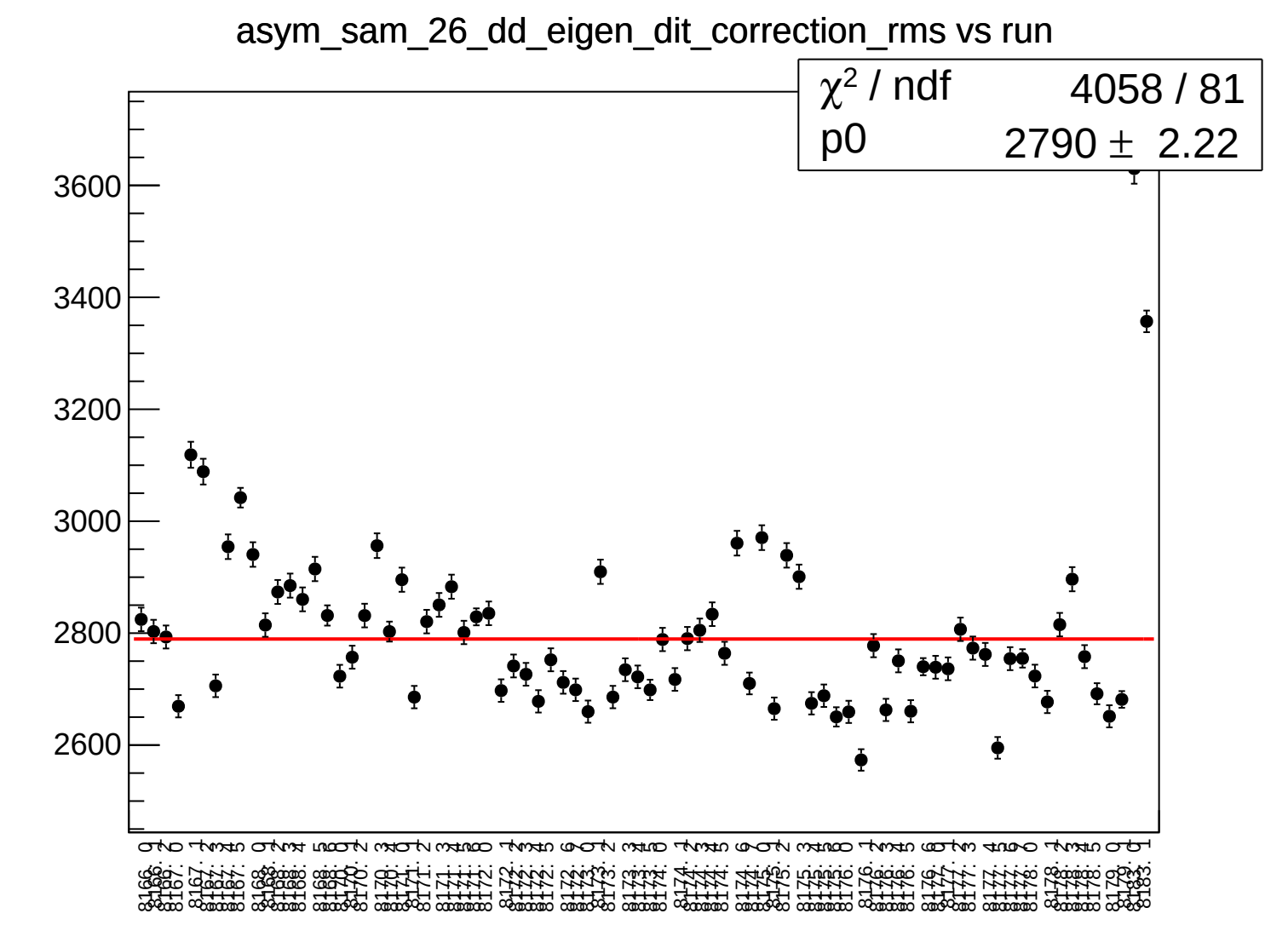

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 73.2 / 81
p0 7.241 ± 228.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −2.863e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

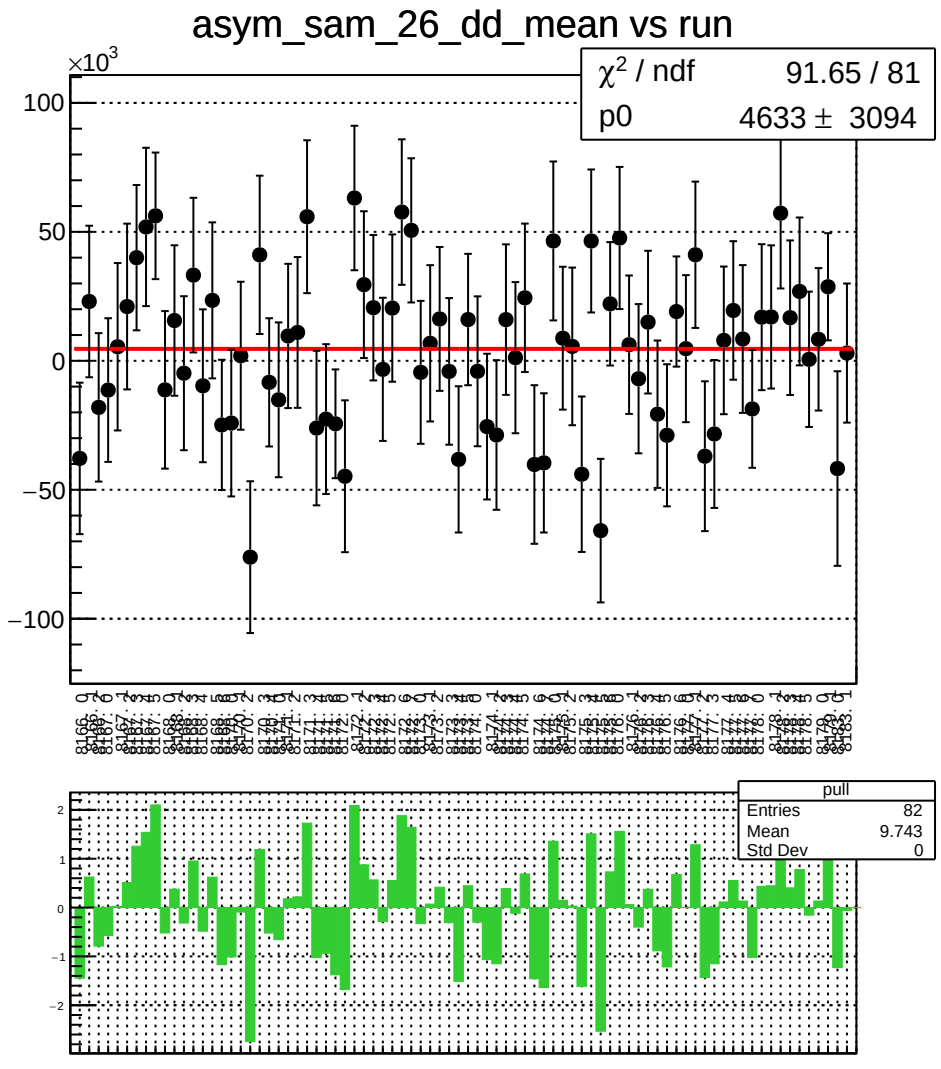

pull1D
Entries 82
Mean 8.093e−05
Std Dev 0.9448
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

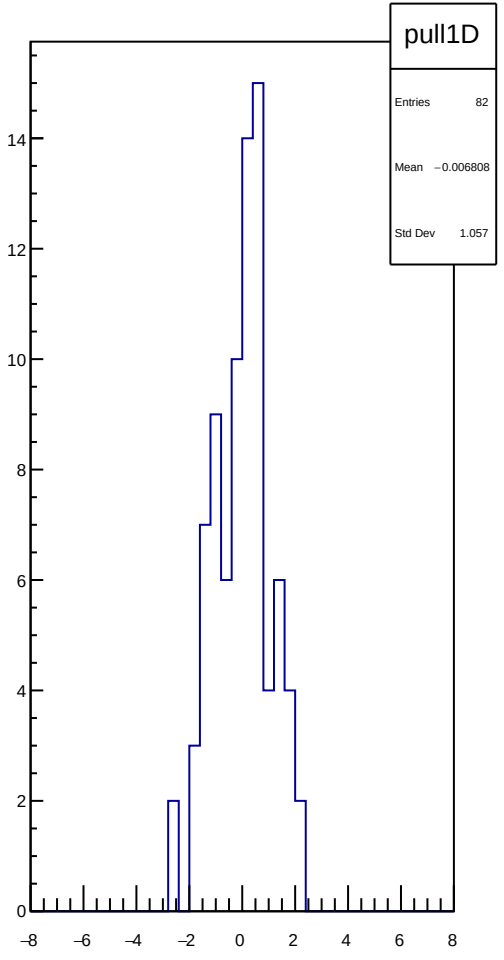

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 1116 / 81
p0 203.6 ± 0.1619
215
210
205
200
195
190

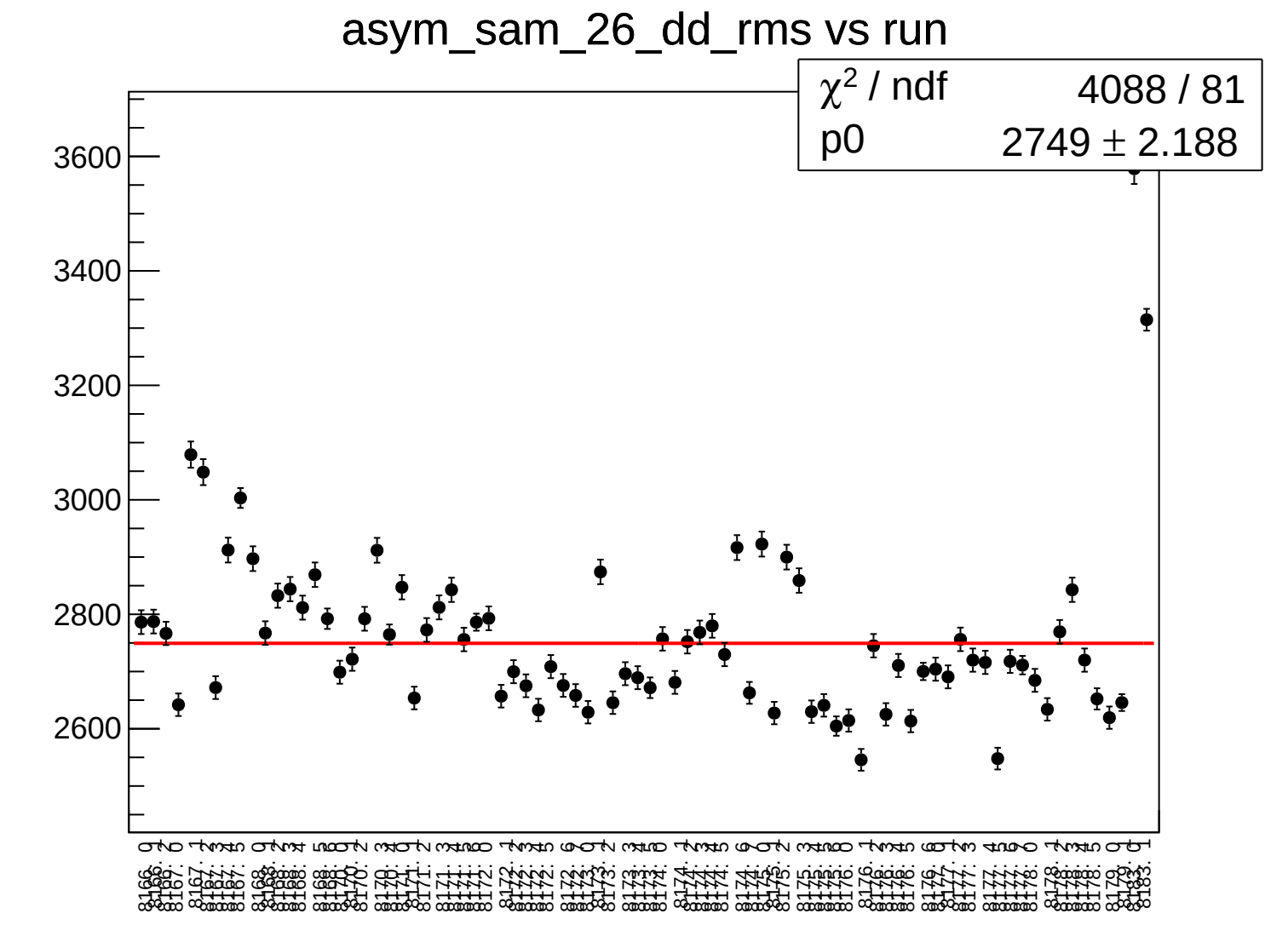

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 90.88 / 81
p0 −4607 ± 3140
100
50
0
−50
−100
pull
Entries 82
Mean −17.93
Std Dev 0
3
2
1
0
−1
−2

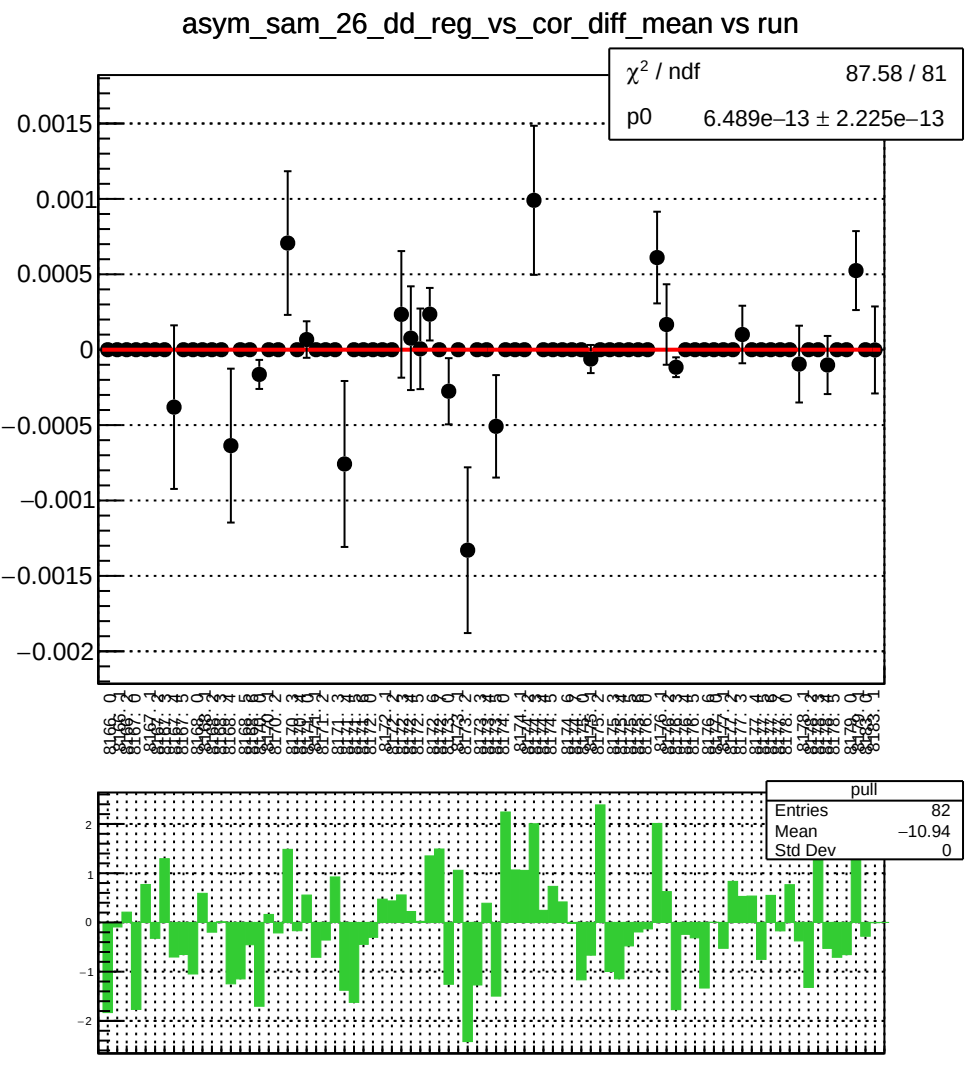

pull1D
Entries 82
Mean 0.006383
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

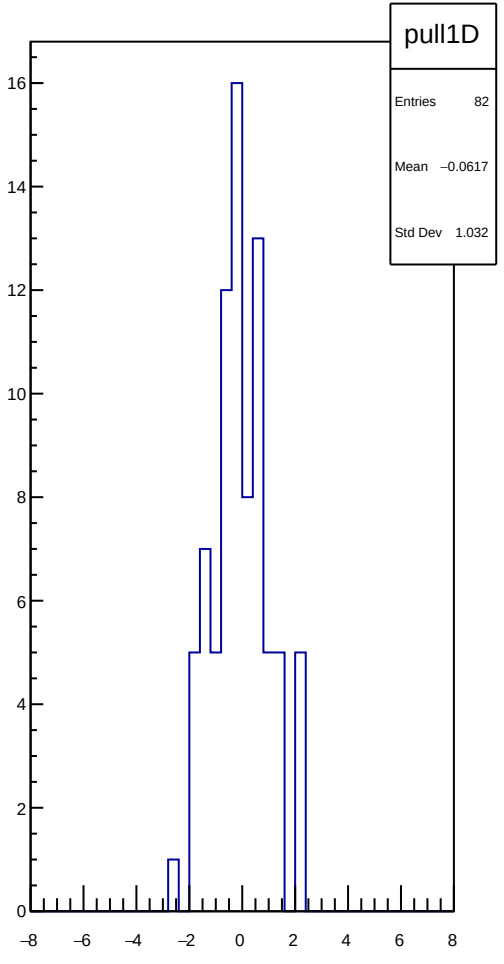

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 4058 / 81
p0 2790 ± 2.22
3600
3400
3200
3000
2800
2600

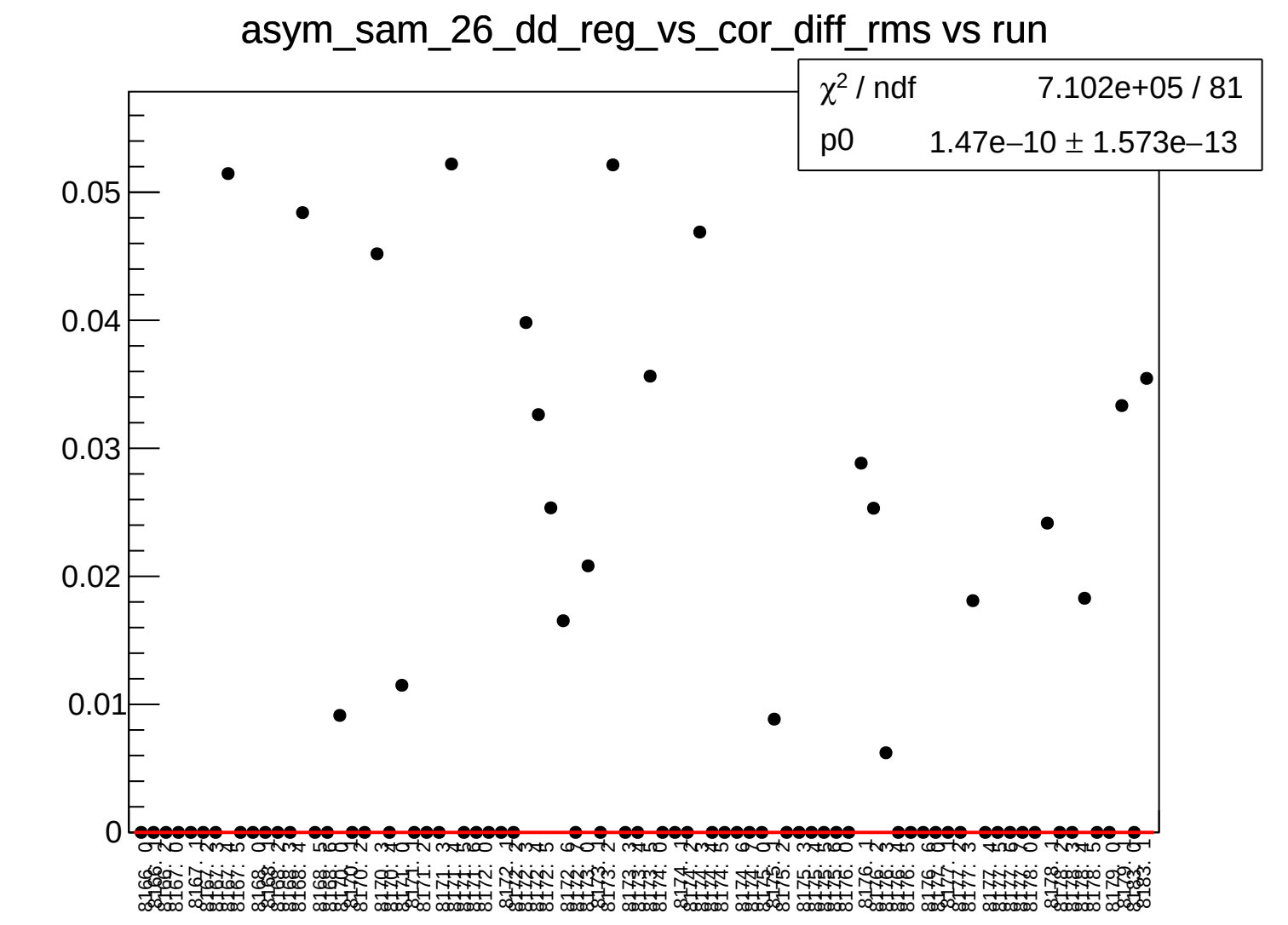

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 91.65 / 81
p0 4633 ± 3094
pull
Entries 82
Mean 9.743
Std Dev 0

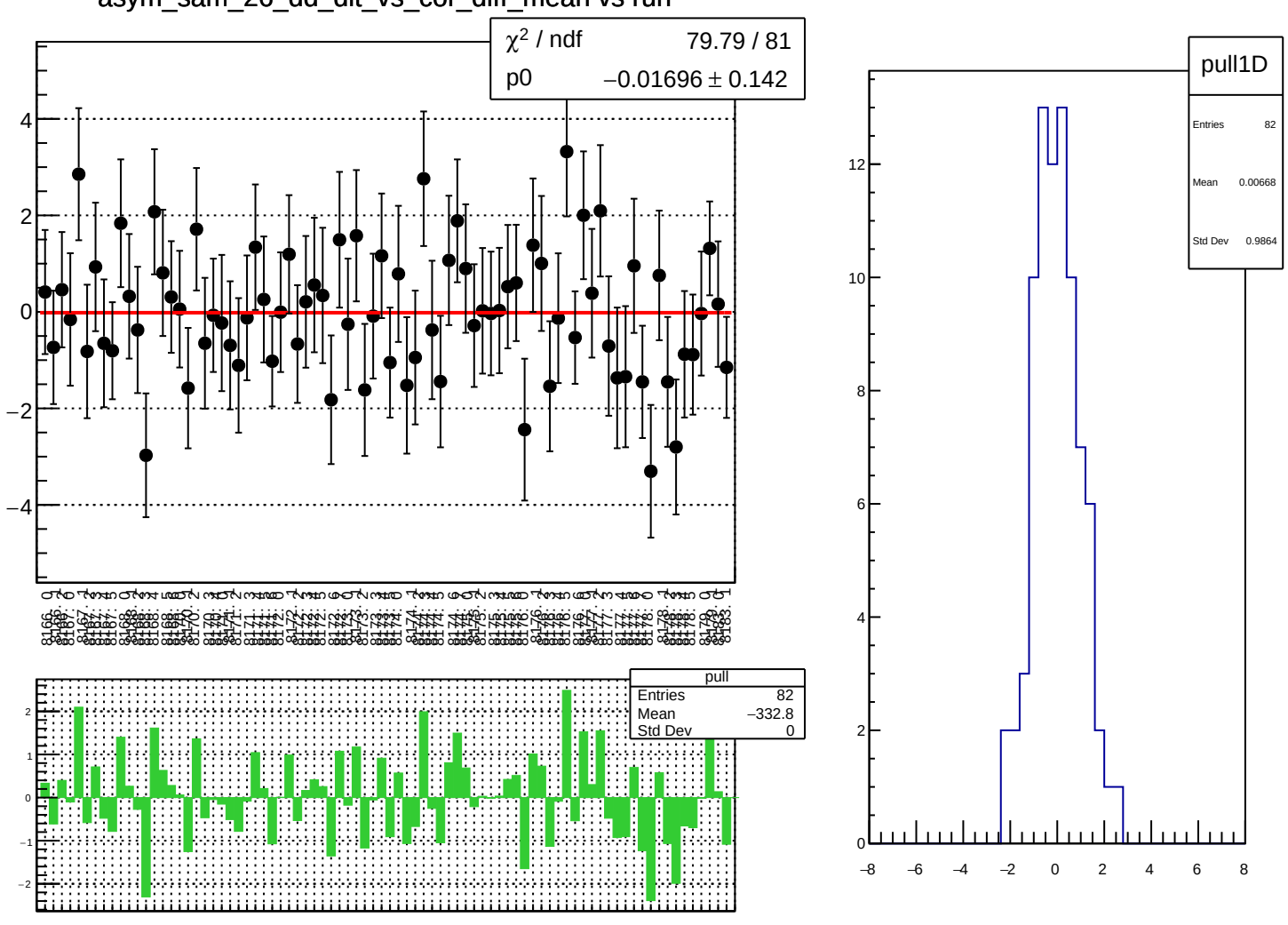

pull1D
Entries 82
Mean −0.006808
Std Dev 1.057

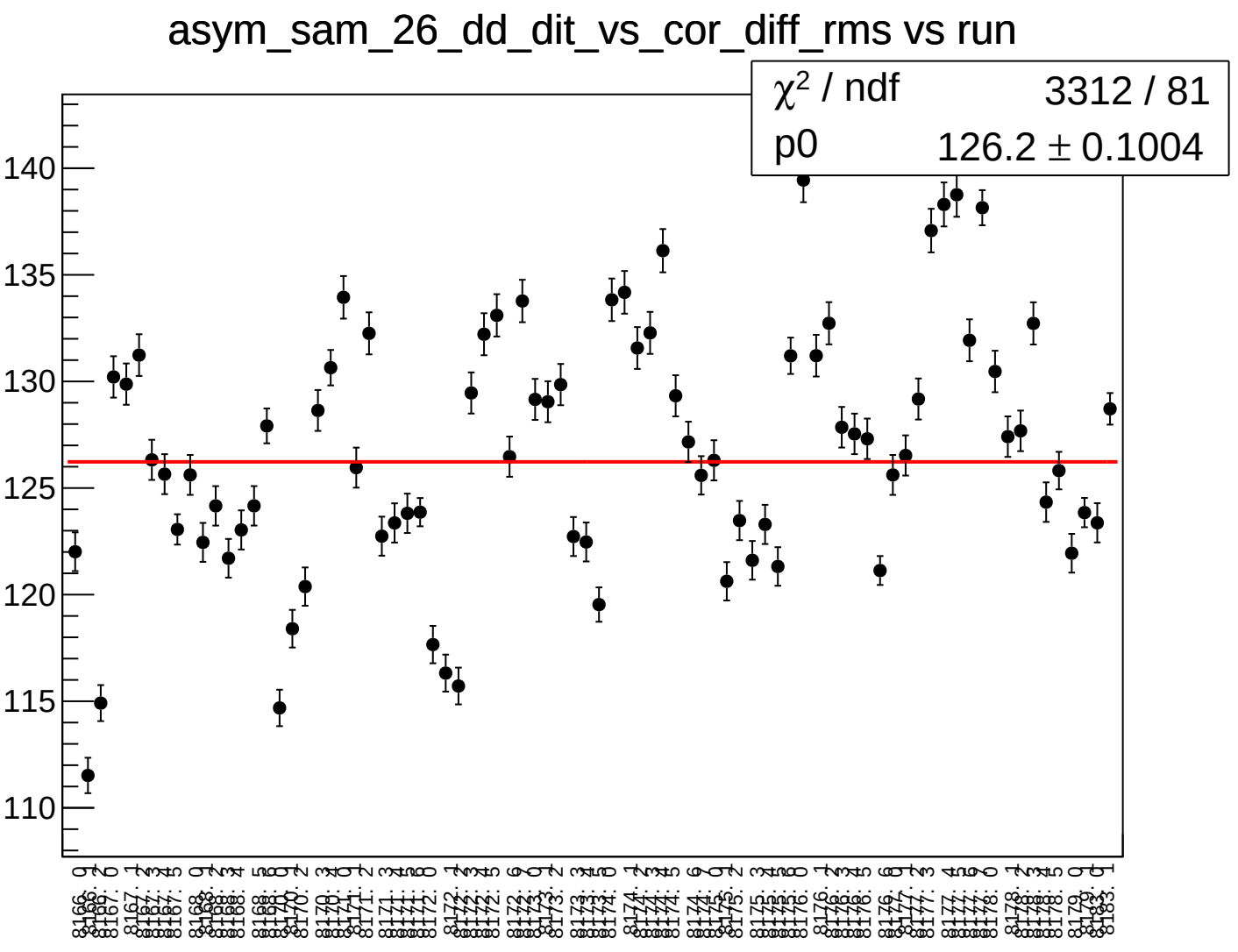

asym_sam_26_dd_rms vs run
χ^2 / ndf 4088 / 81
p0 2749 ± 2.188
3600
3400
3200
3000
2800
2600

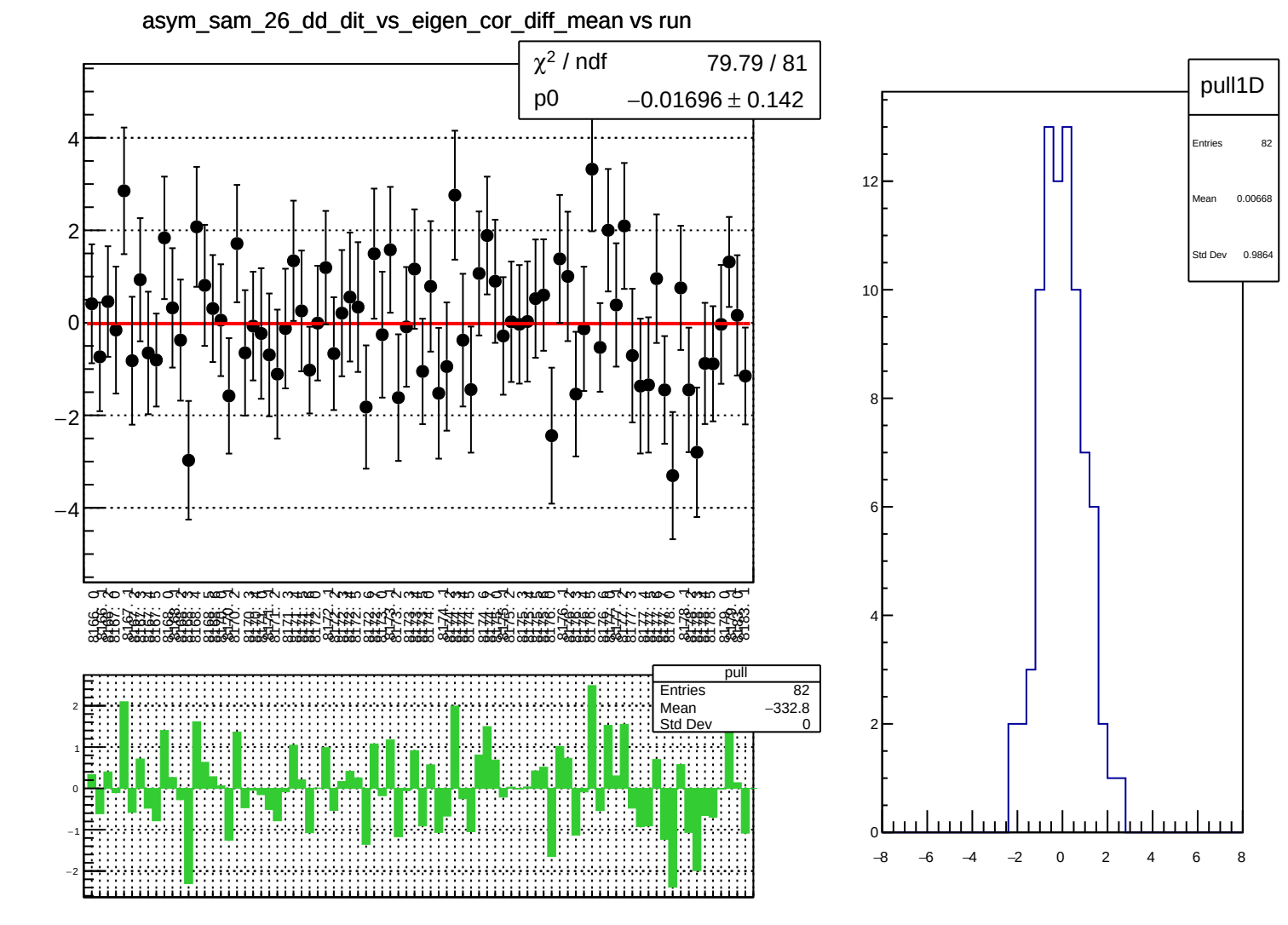

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 87.58 / 81
p0 6.489e−13 ± 2.225e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 82
Mean −10.94
Std Dev 0
2
1
0
−1
−2

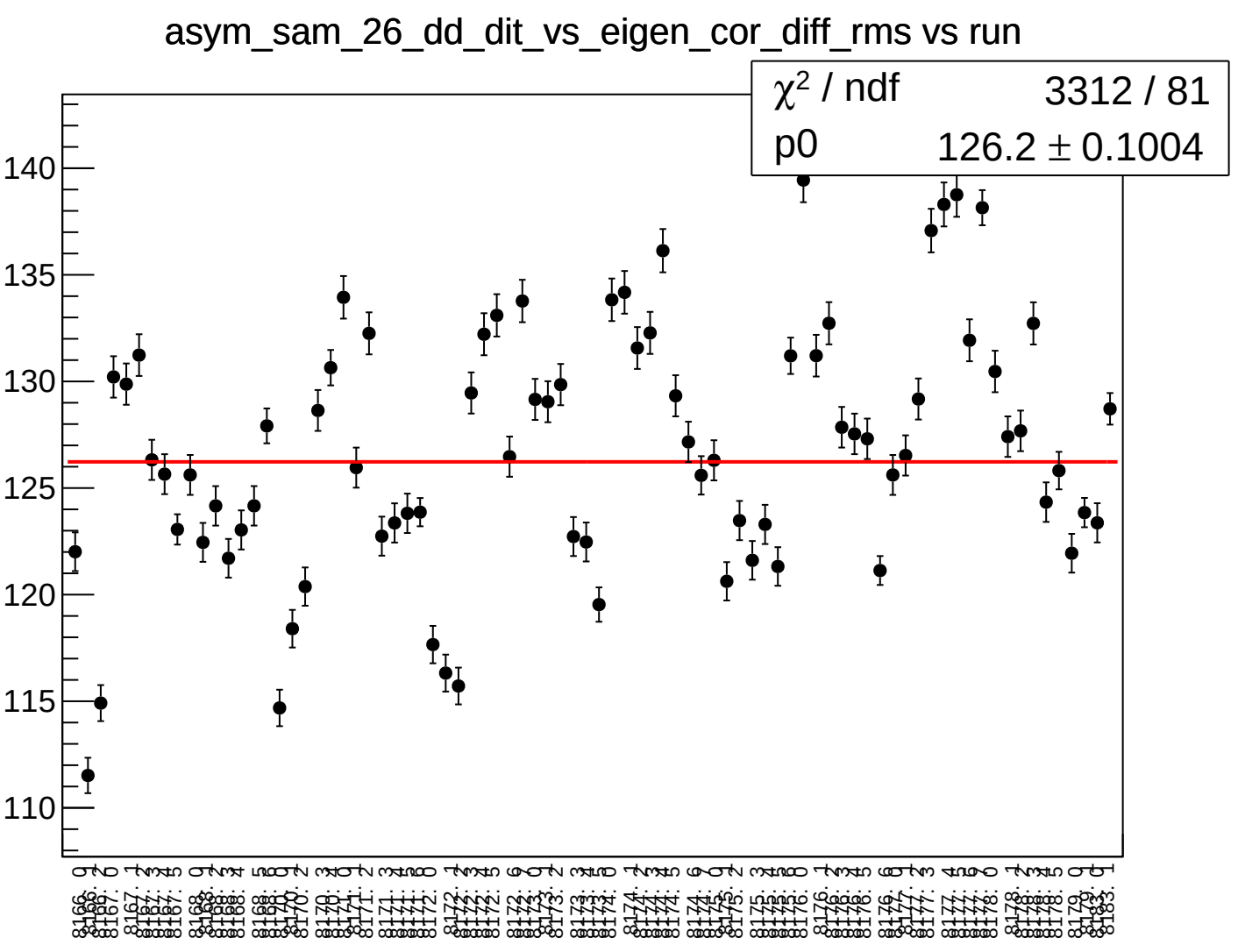

pull1D
Entries 82
Mean −0.0617
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

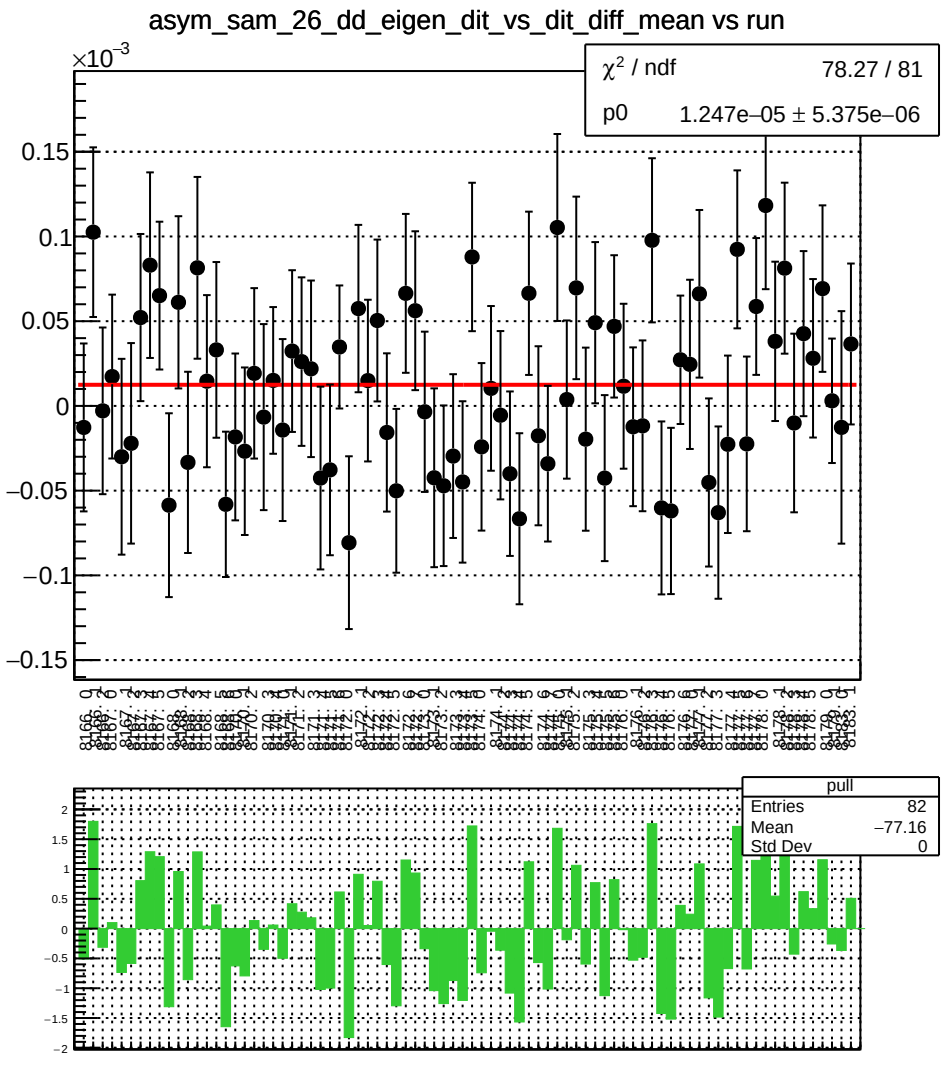

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.102e+05 / 81
p0 1.47e−10 ± 1.573e−13
0.05
0.04
0.03
0.02
0.01
0

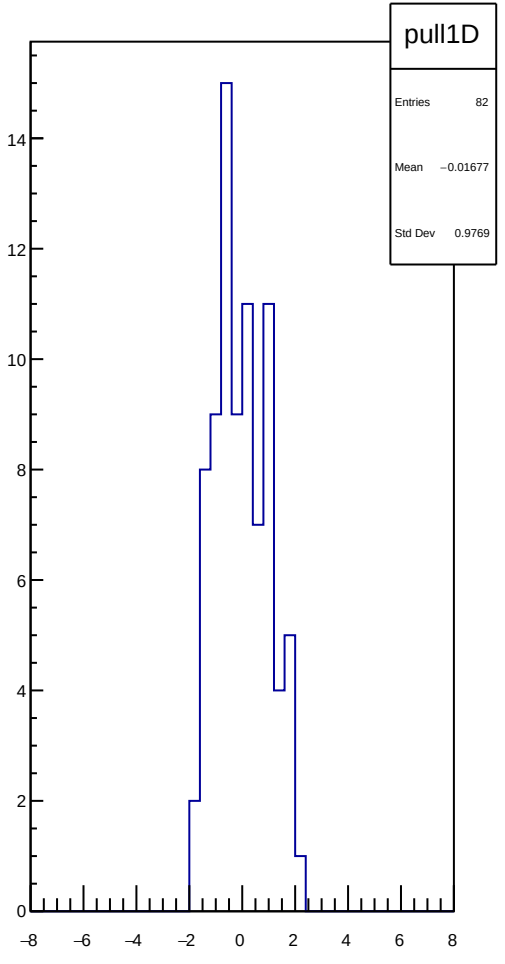

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 79.79 / 81
p0 −0.01696 ± 0.142
pull
Entries 82
Mean −332.8
Std Dev 0
pull1D
Entries 82
Mean 0.00668
Std Dev 0.9864

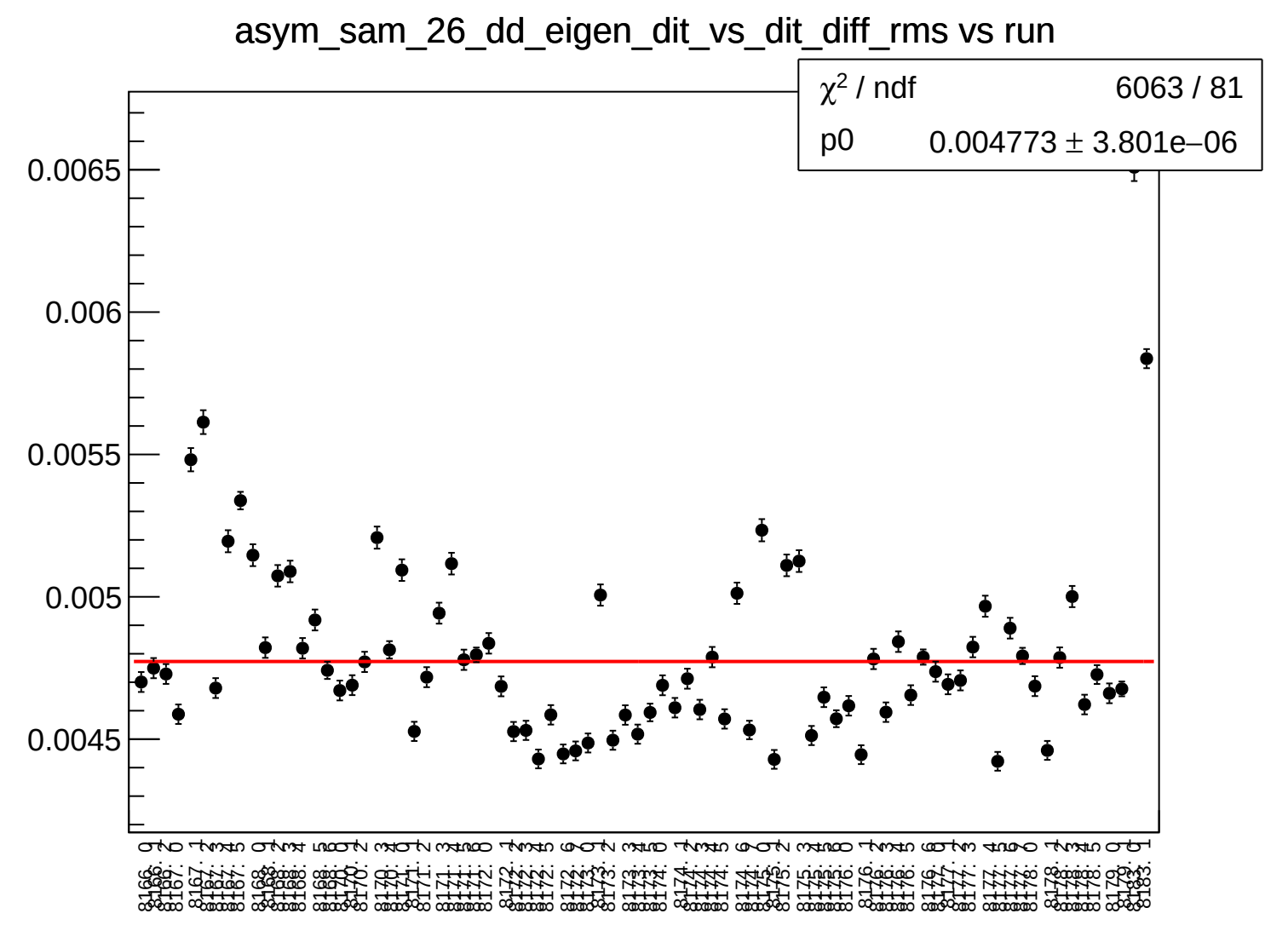

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3312 / 81
p0 126.2 ± 0.1004
140
135
130
125
120
115
110

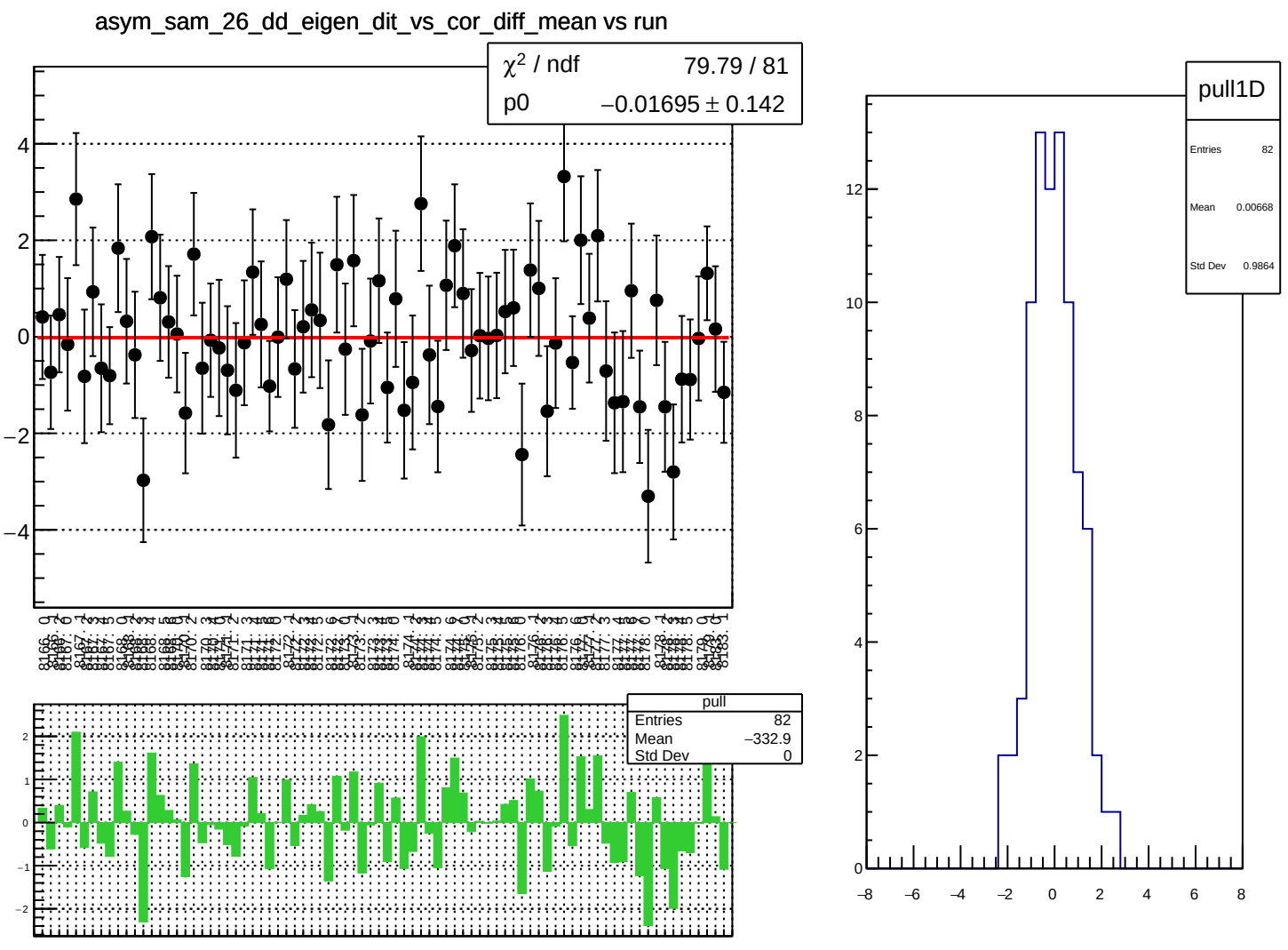

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.79 / 81
p0 −0.01696 ± 0.142
pull
Entries 82
Mean −332.8
Std Dev 0
pull1D
Entries 82
Mean 0.00668
Std Dev 0.9864

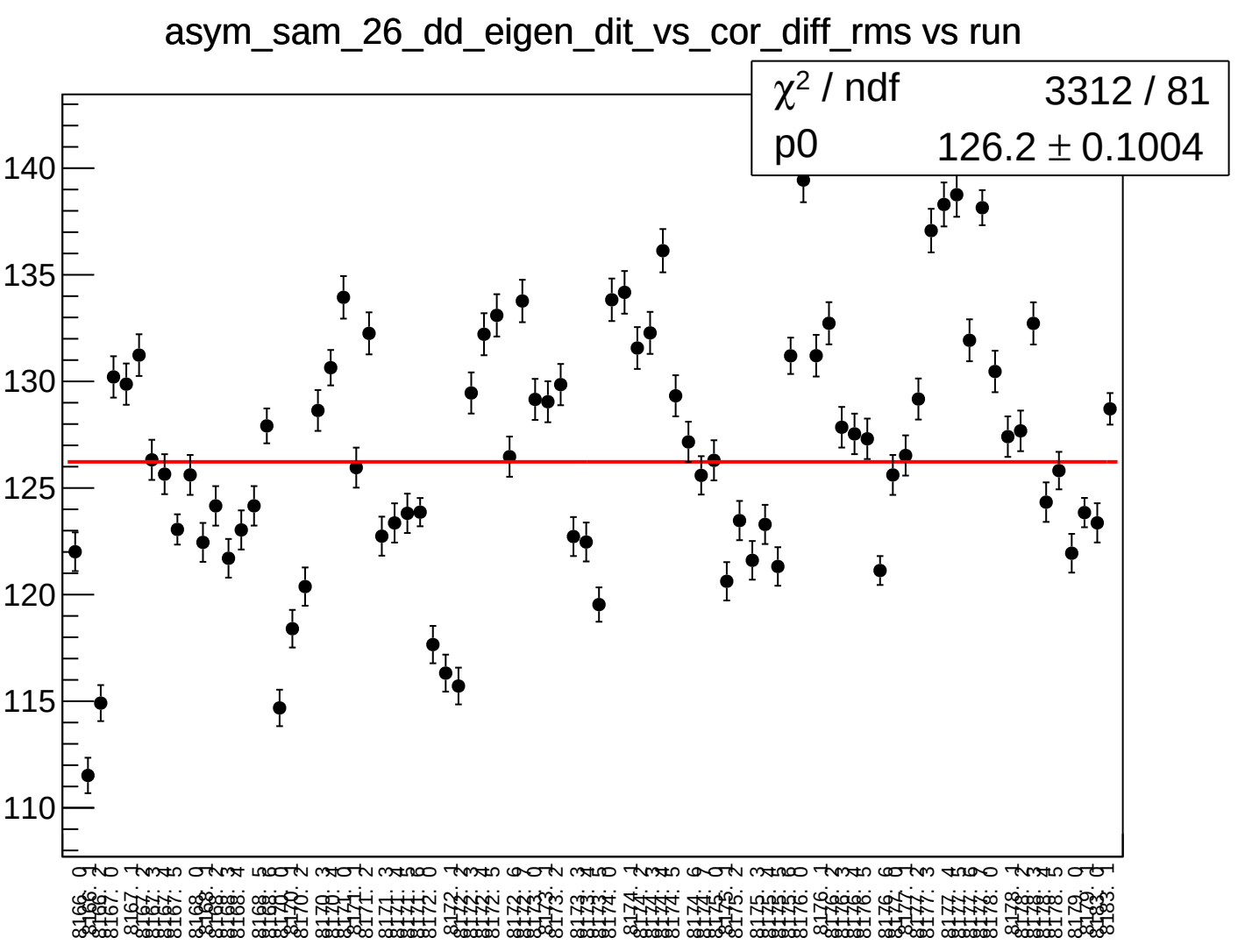

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3312 / 81
p0 126.2 ± 0.1004
140
135
130
125
120
115
110

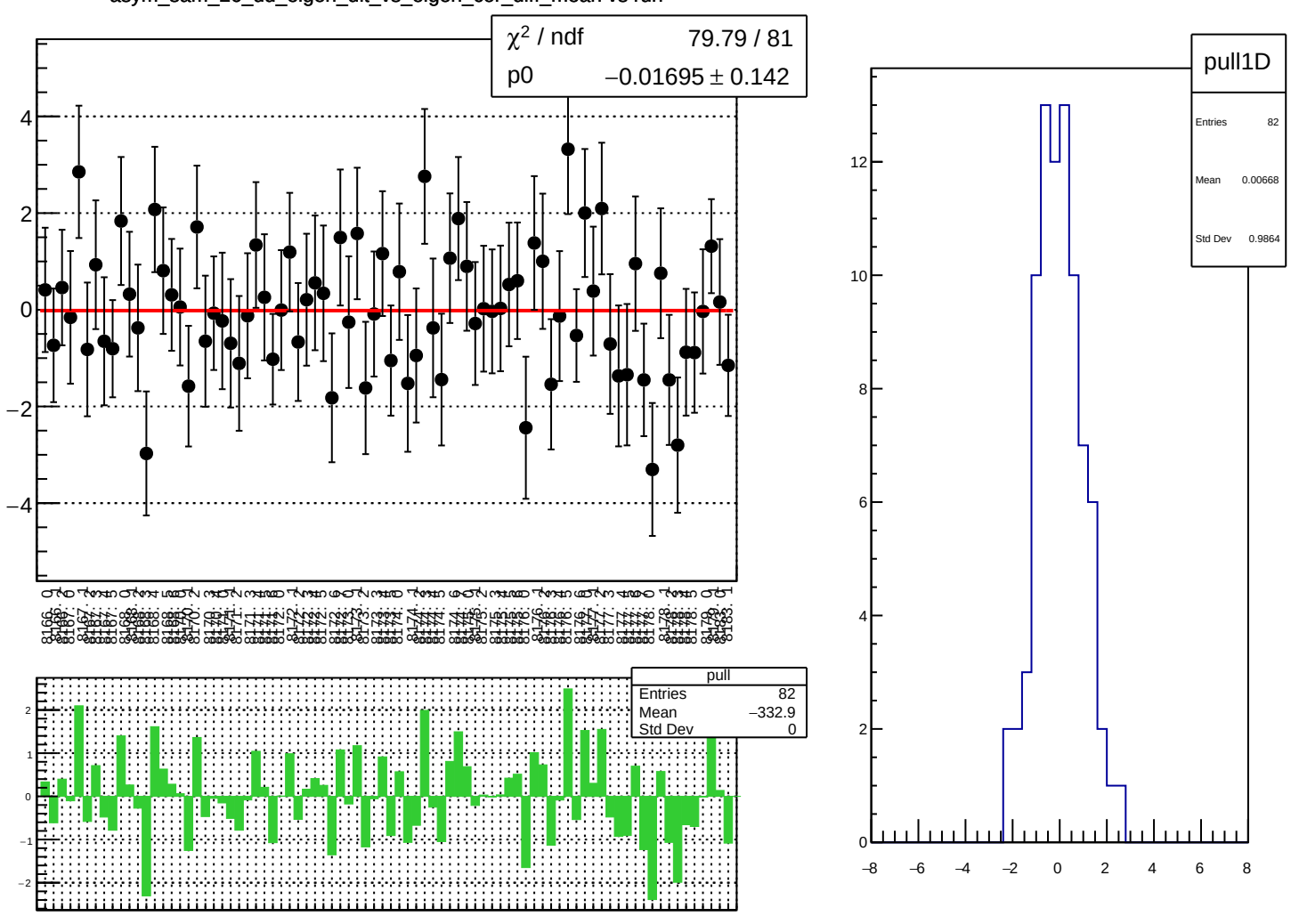

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.27 / 81
p0 1.247e−05 ± 5.375e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 82
Mean −77.16
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

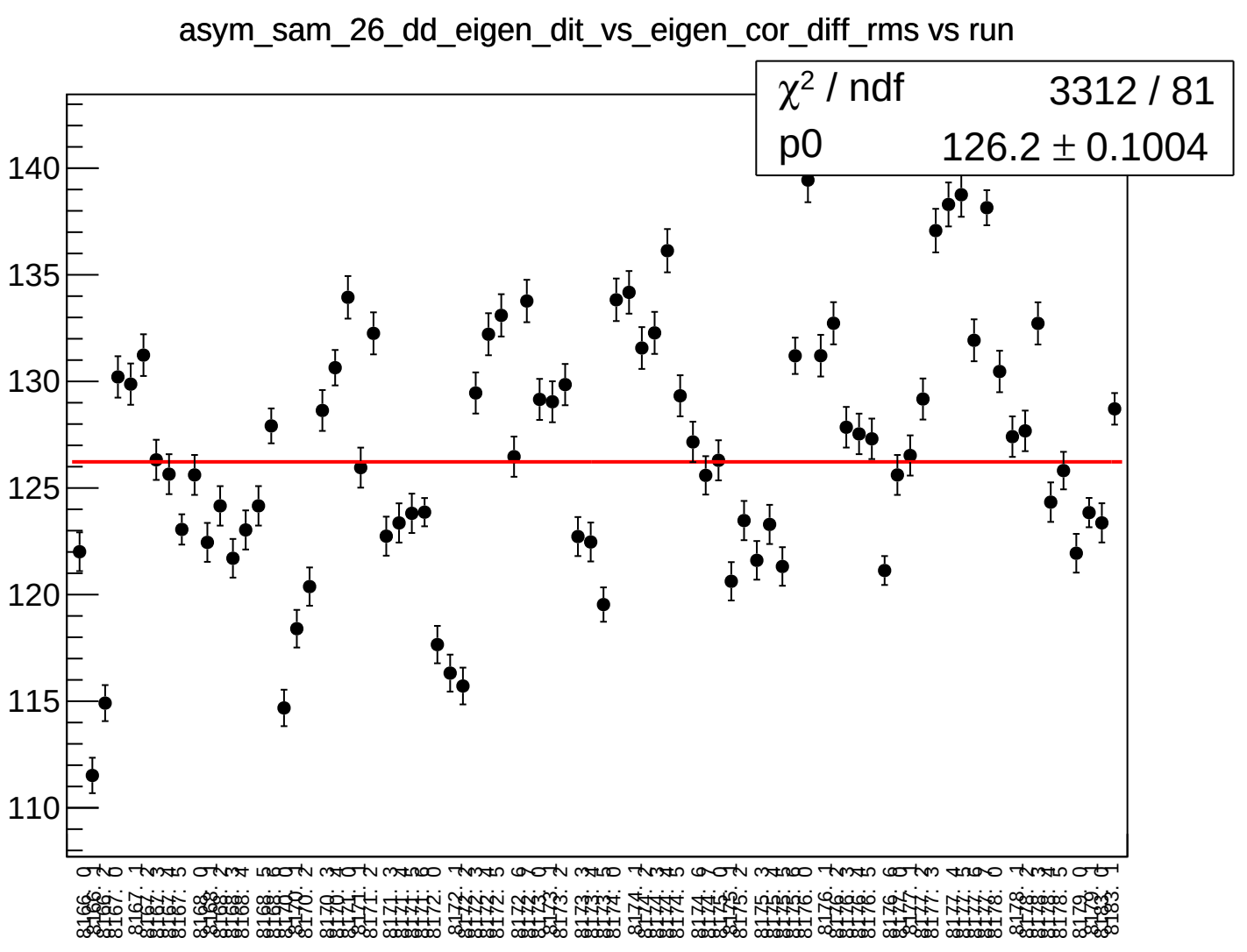

pull1D
Entries 82
Mean −0.01677
Std Dev 0.9769
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

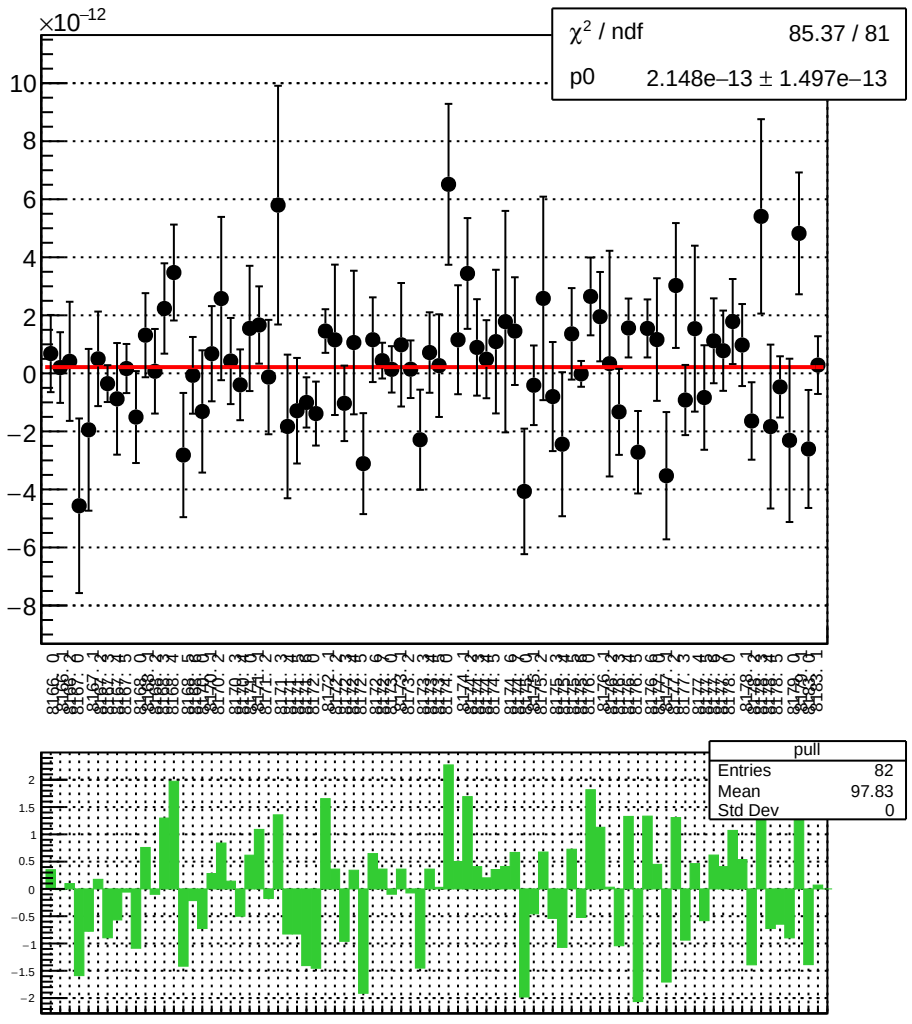

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6063 / 81
p0 0.004773 ± 3.801e−06
0.0065
0.006
0.0055
0.005
0.0045

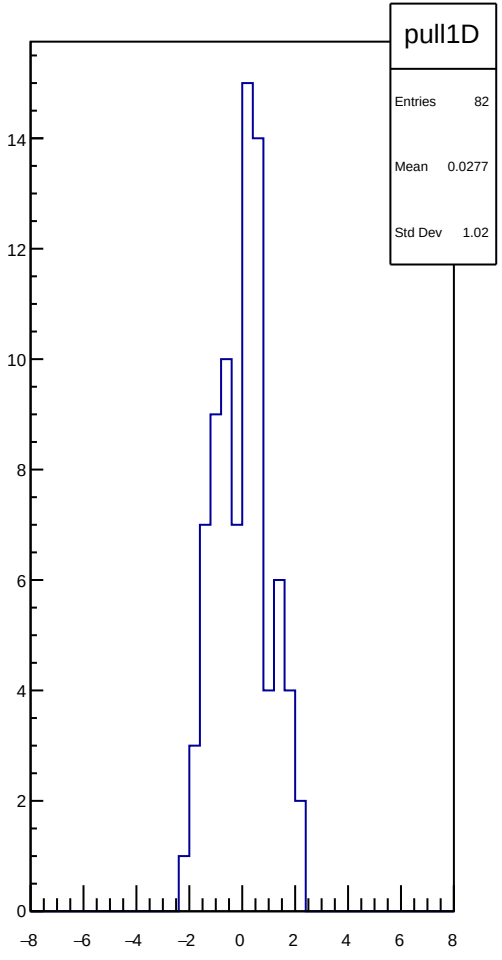

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 79.79 / 81
p0 −0.01695 ± 0.142
pull
Entries 82
Mean −332.9
Std Dev 0
pull1D
Entries 82
Mean 0.00668
Std Dev 0.9864

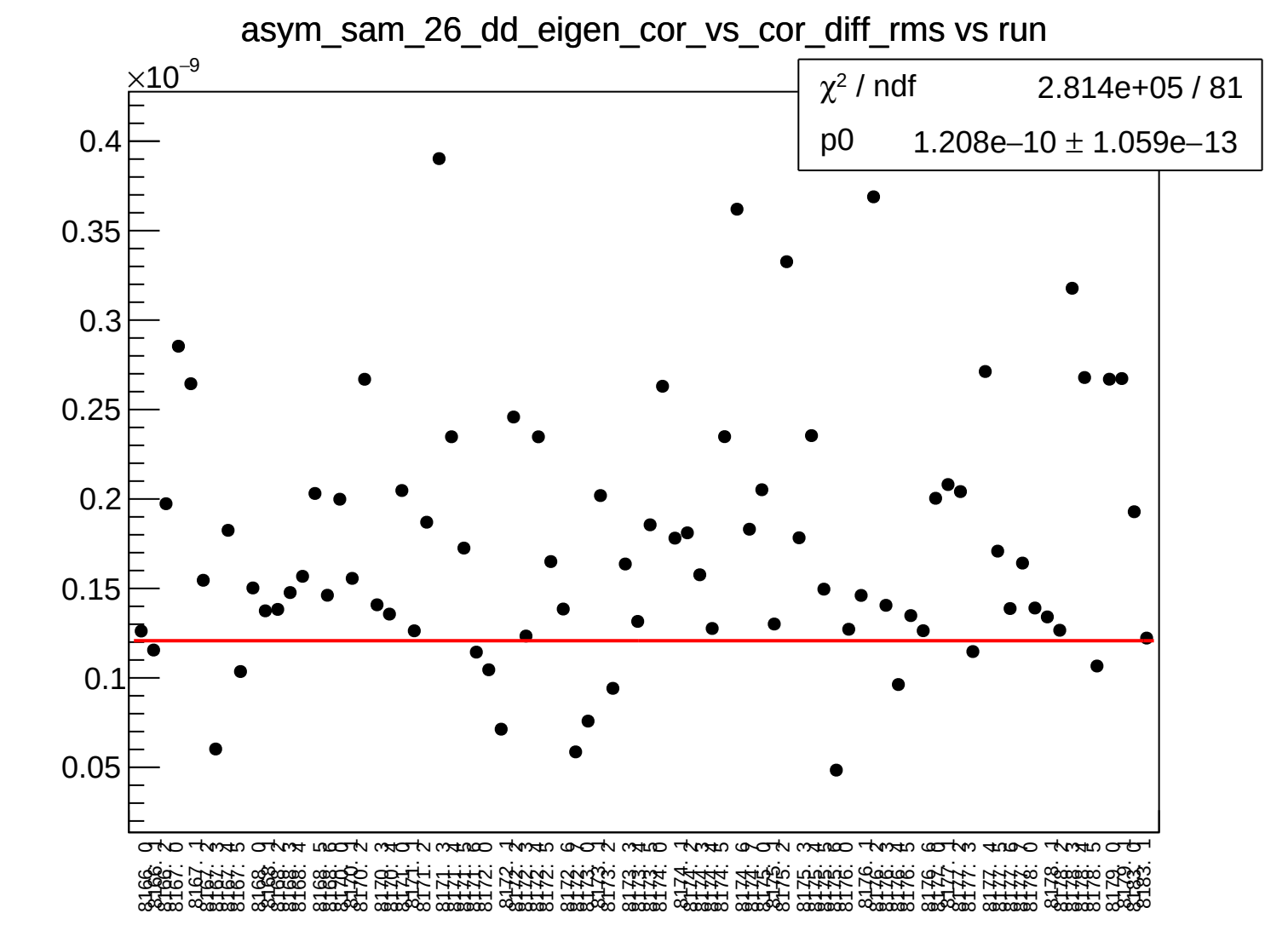

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3312 / 81
p0 126.2 ± 0.1004
140
135
130
125
120
115
110

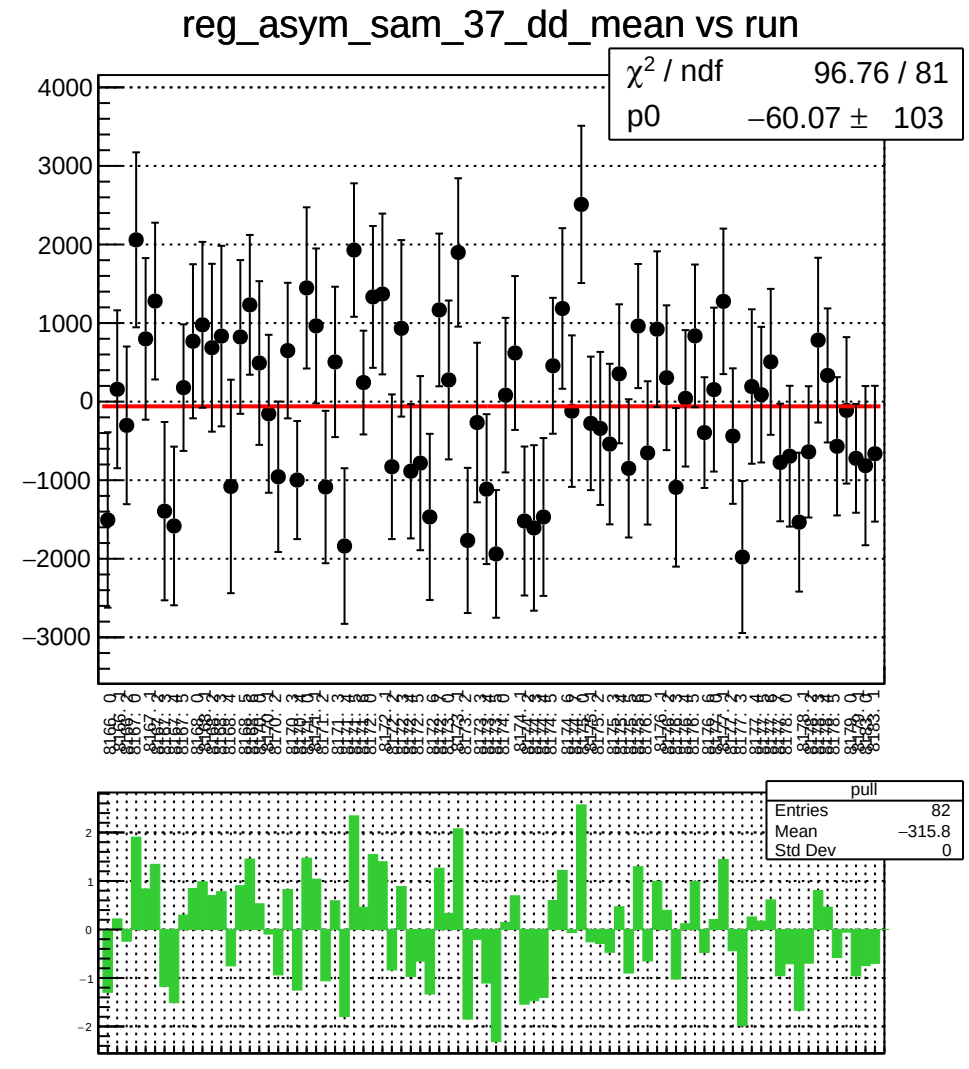

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 79.79 / 81
p0 −0.01695 ± 0.142
pull
Entries 82
Mean −332.9
Std Dev 0
pull1D
Entries 82
Mean 0.00668
Std Dev 0.9864

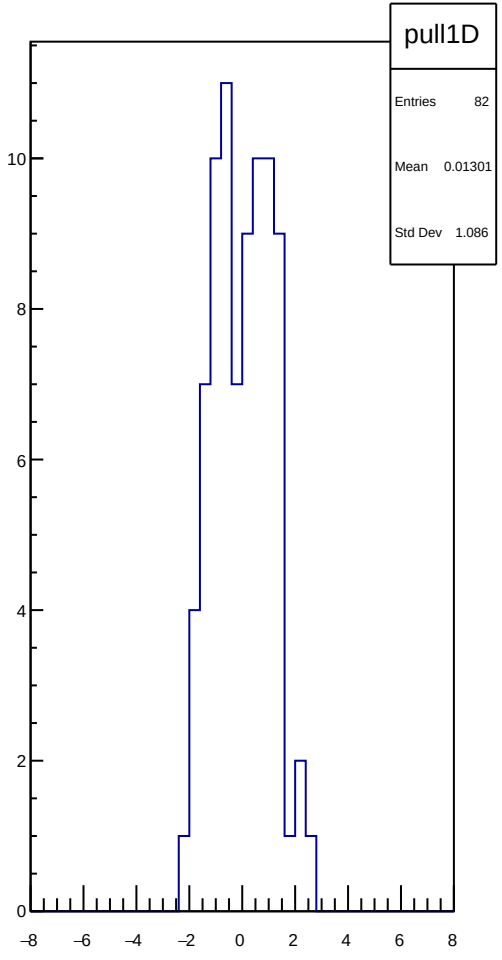

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3312 / 81
p0 126.2 ± 0.1004
140
135
130
125
120
115
110

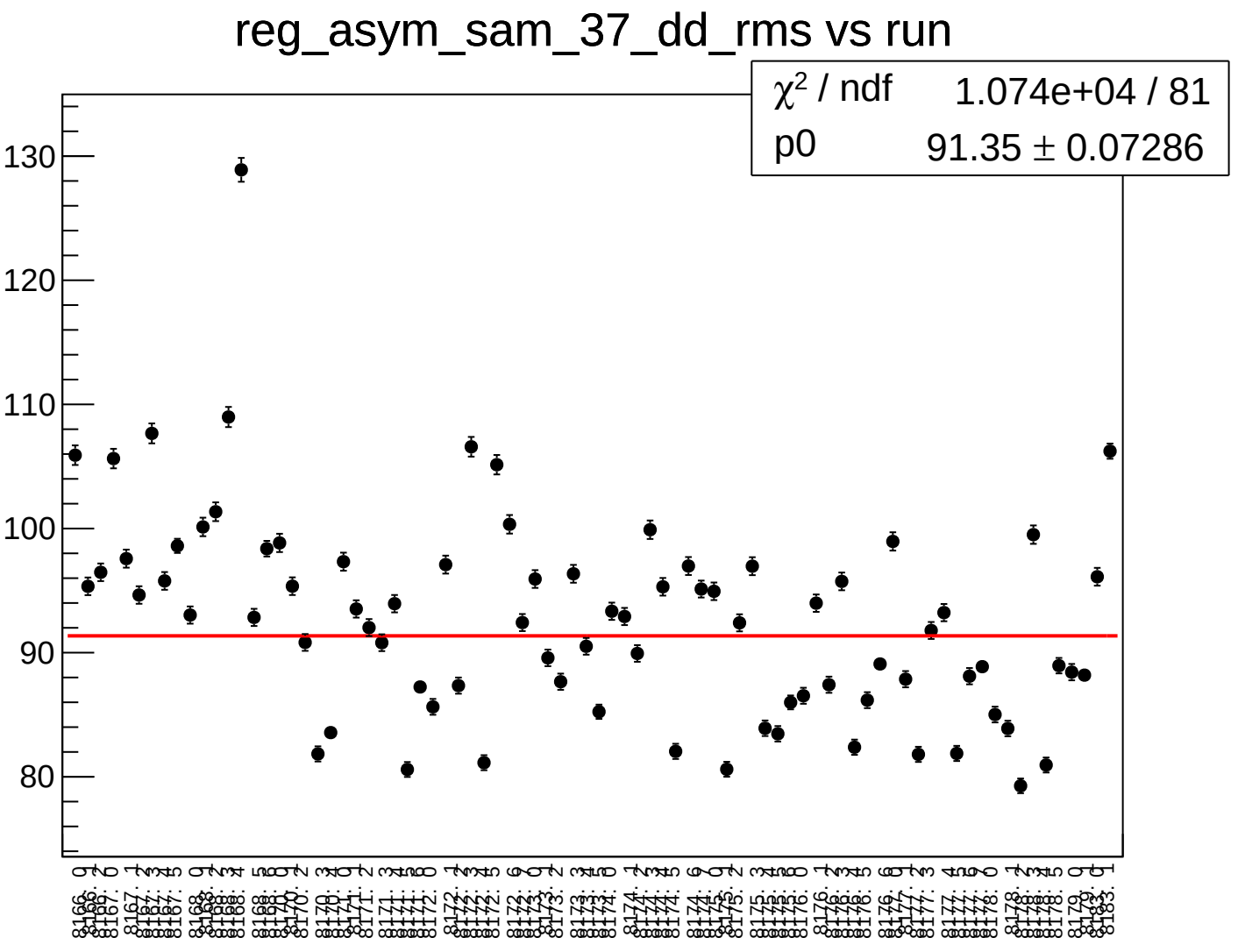

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.37 / 81
p0 2.148e−13 ± 1.497e−13
pull
Entries 82
Mean 97.83
Std Dev 0

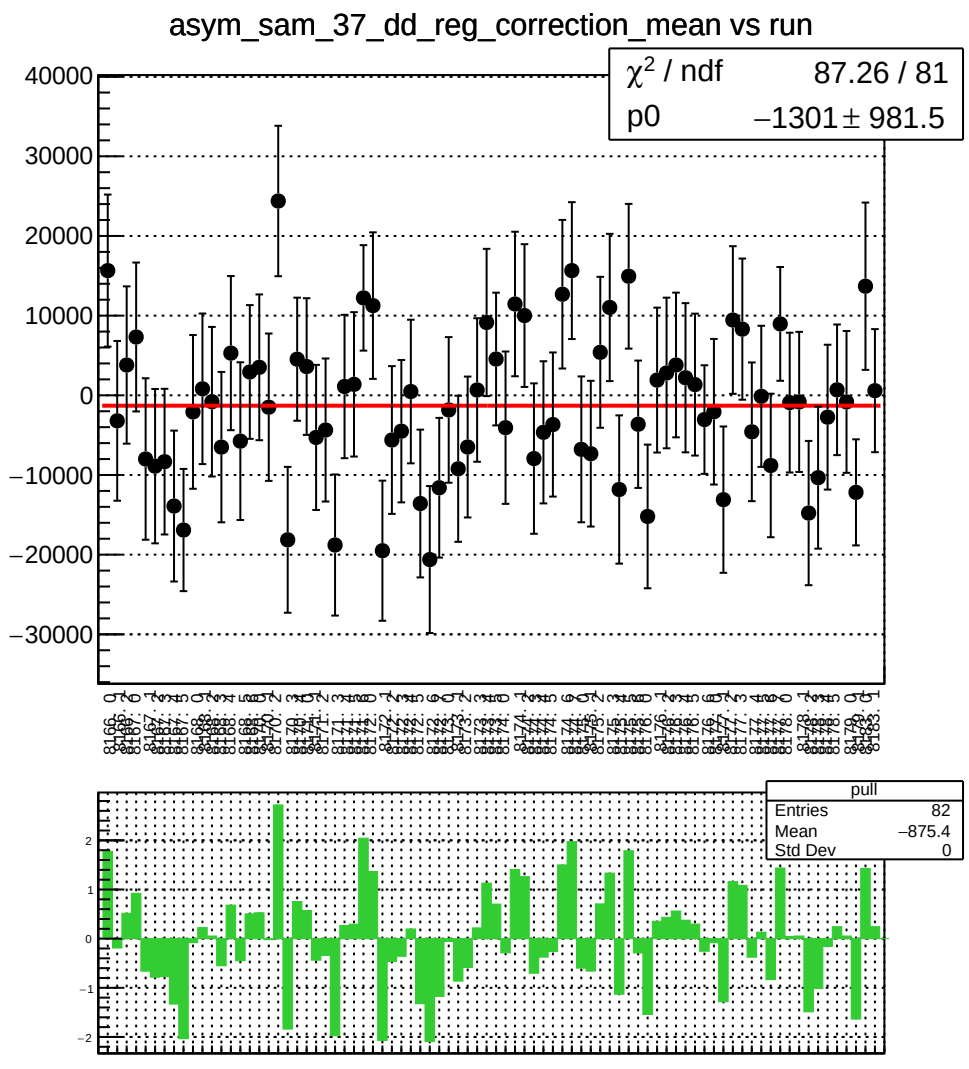

pull1D
Entries 82
Mean 0.0277
Std Dev 1.02

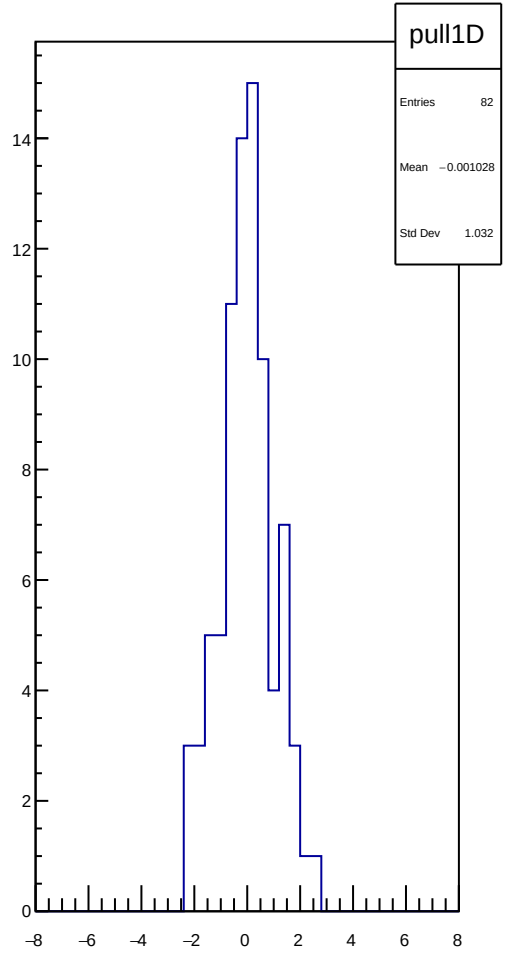

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.814e+05 / 81
p0 1.208e−10 ± 1.059e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

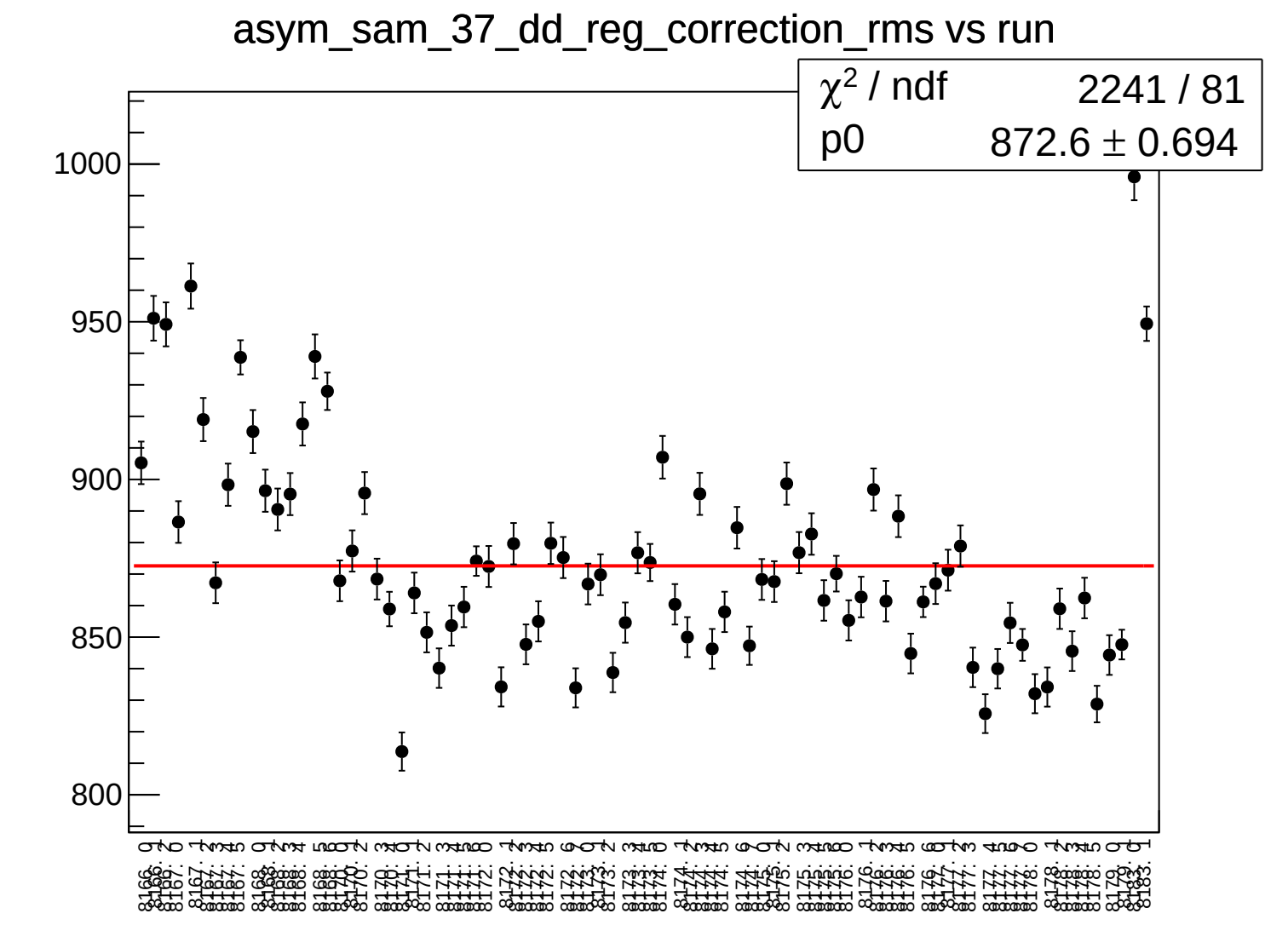

reg_asym_sam_37_dd_mean vs run
χ² / ndf 96.76 / 81
p0 −60.07 ± 103
pull
Entries 82
Mean −315.8
Std Dev 0

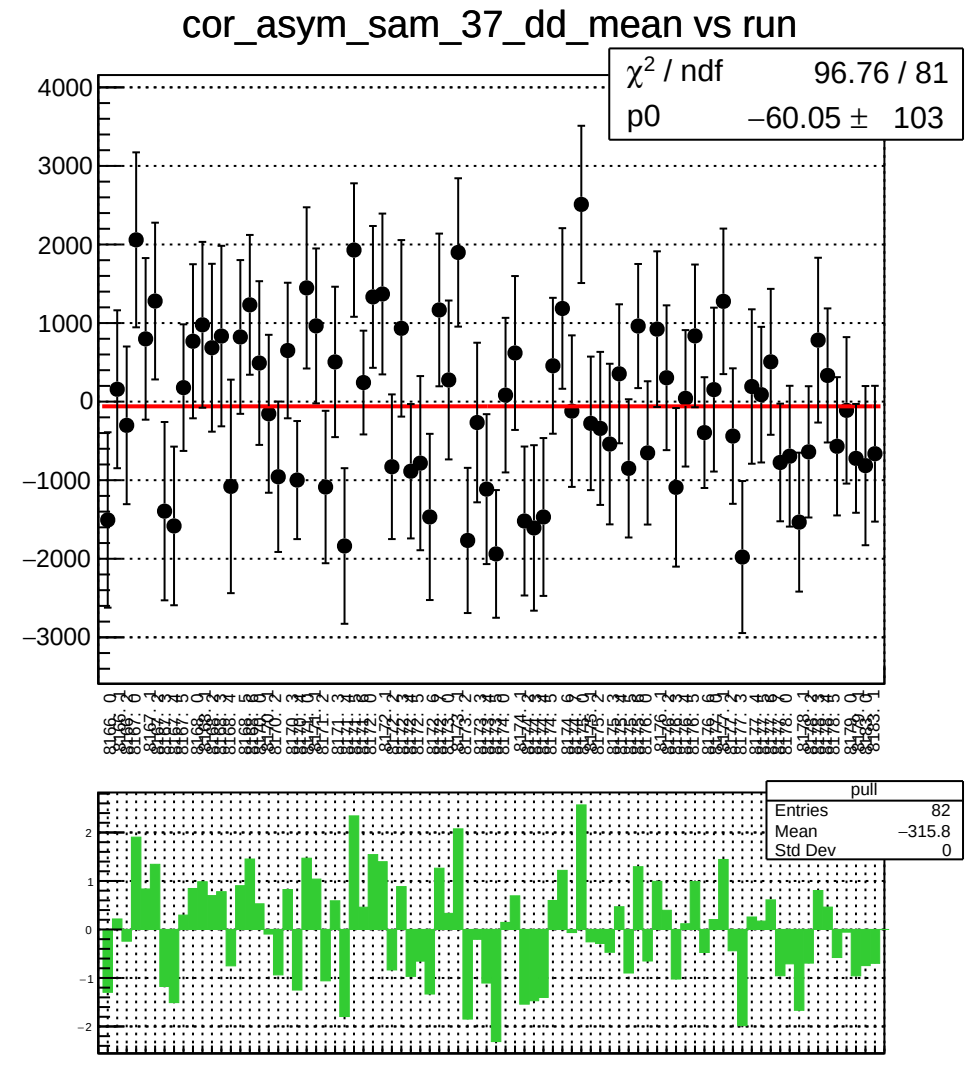

pull1D
Entries 82
Mean 0.01301
Std Dev 1.086

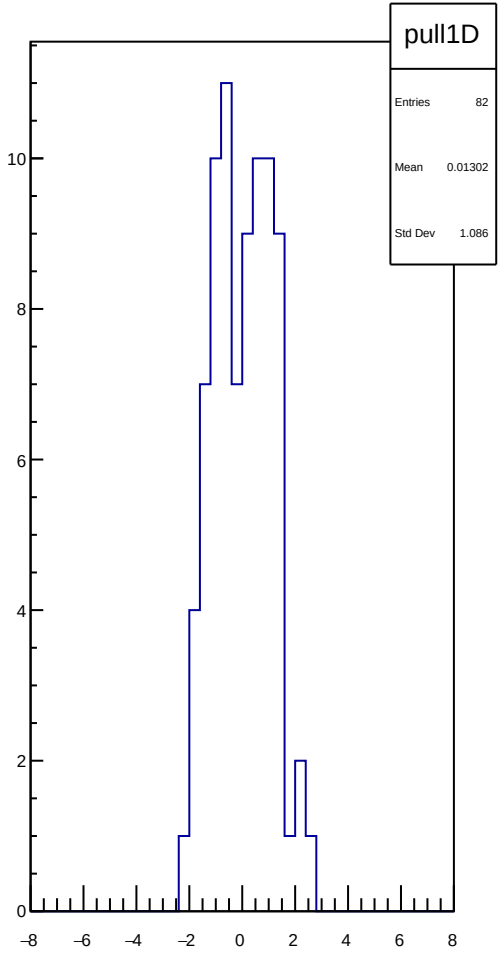

reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.074e+04 / 81
p0 91.35 ± 0.07286
130
120
110
100
90
80

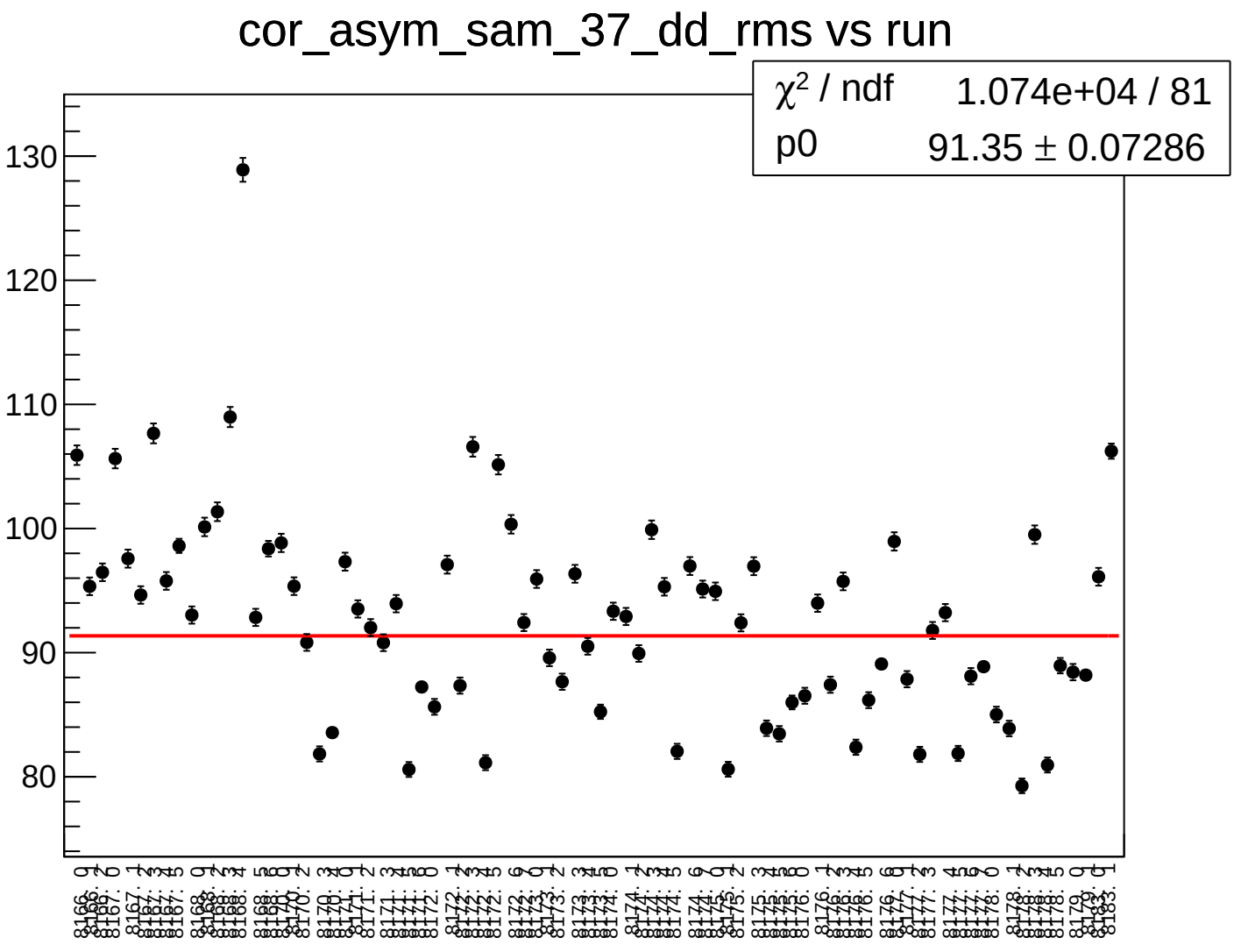

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 87.26 / 81
p0 −1301 ± 981.5
pull
Entries 82
Mean −875.4
Std Dev 0

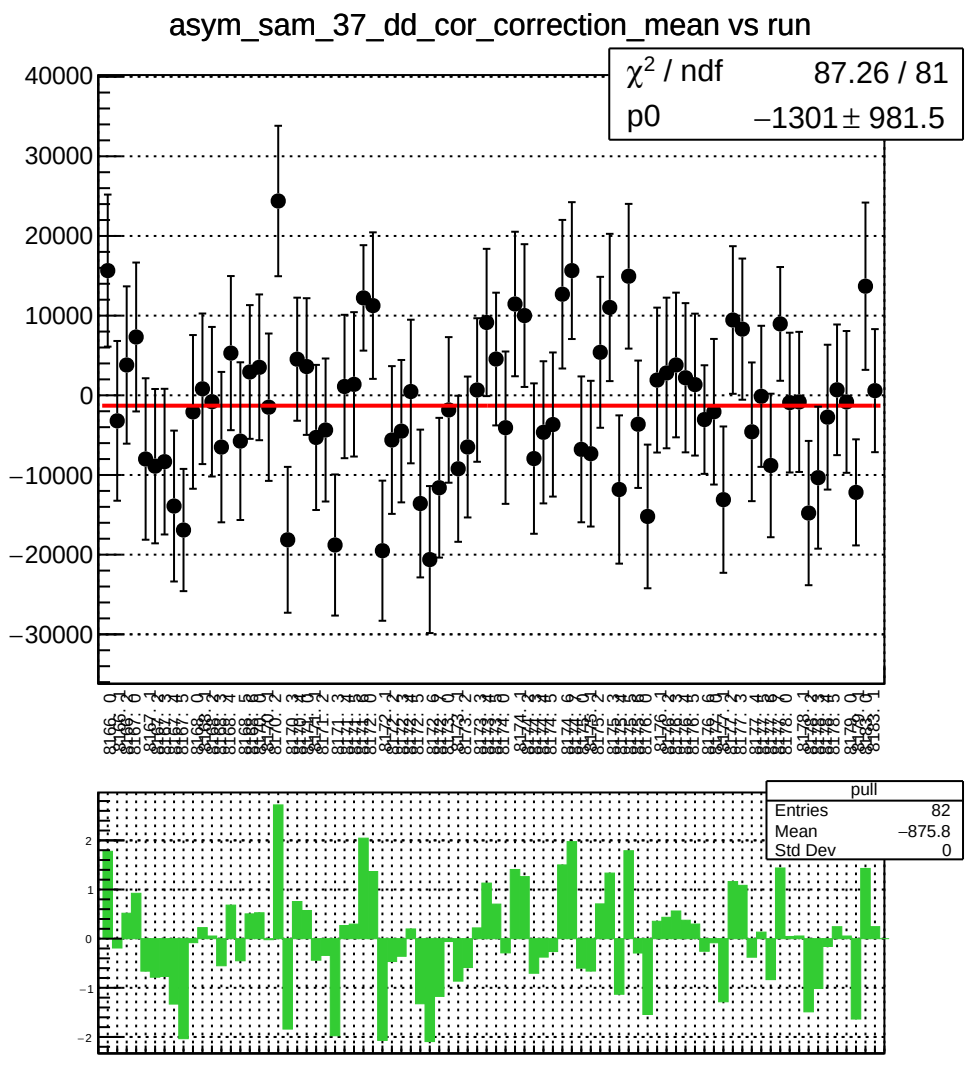

pull1D
Entries 82
Mean −0.001028
Std Dev 1.032

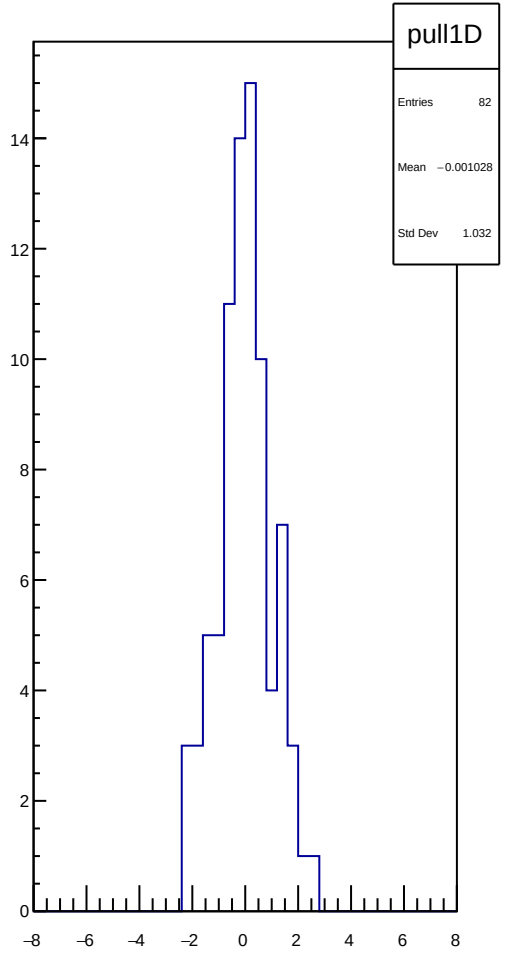

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 2241 / 81
p0 872.6 ± 0.694
1000
950
900
850
800

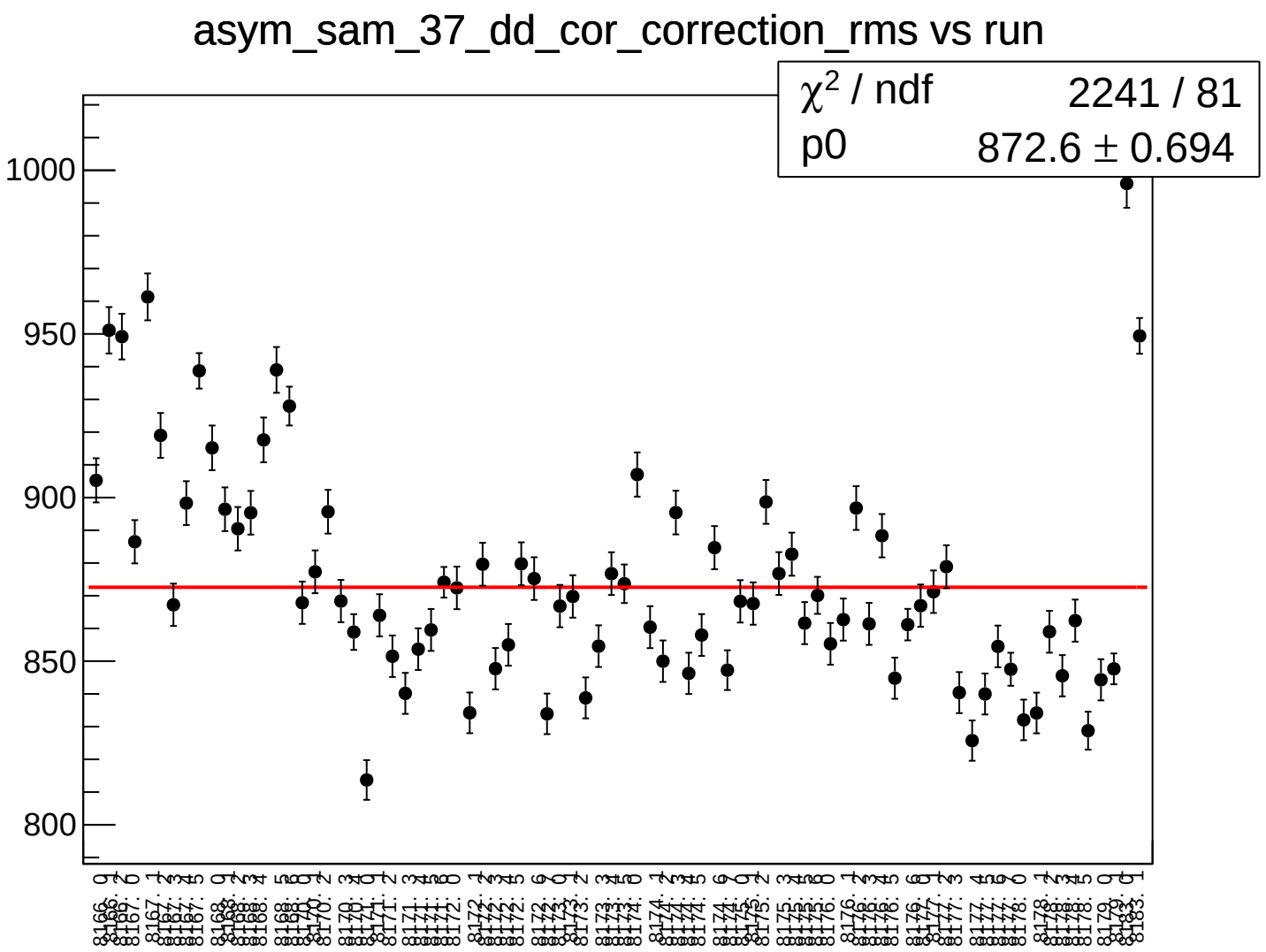

cor_asym_sam_37_dd_mean vs run
χ² / ndf 96.76 / 81
p0 −60.05 ± 103
pull
Entries 82
Mean −315.8
Std Dev 0

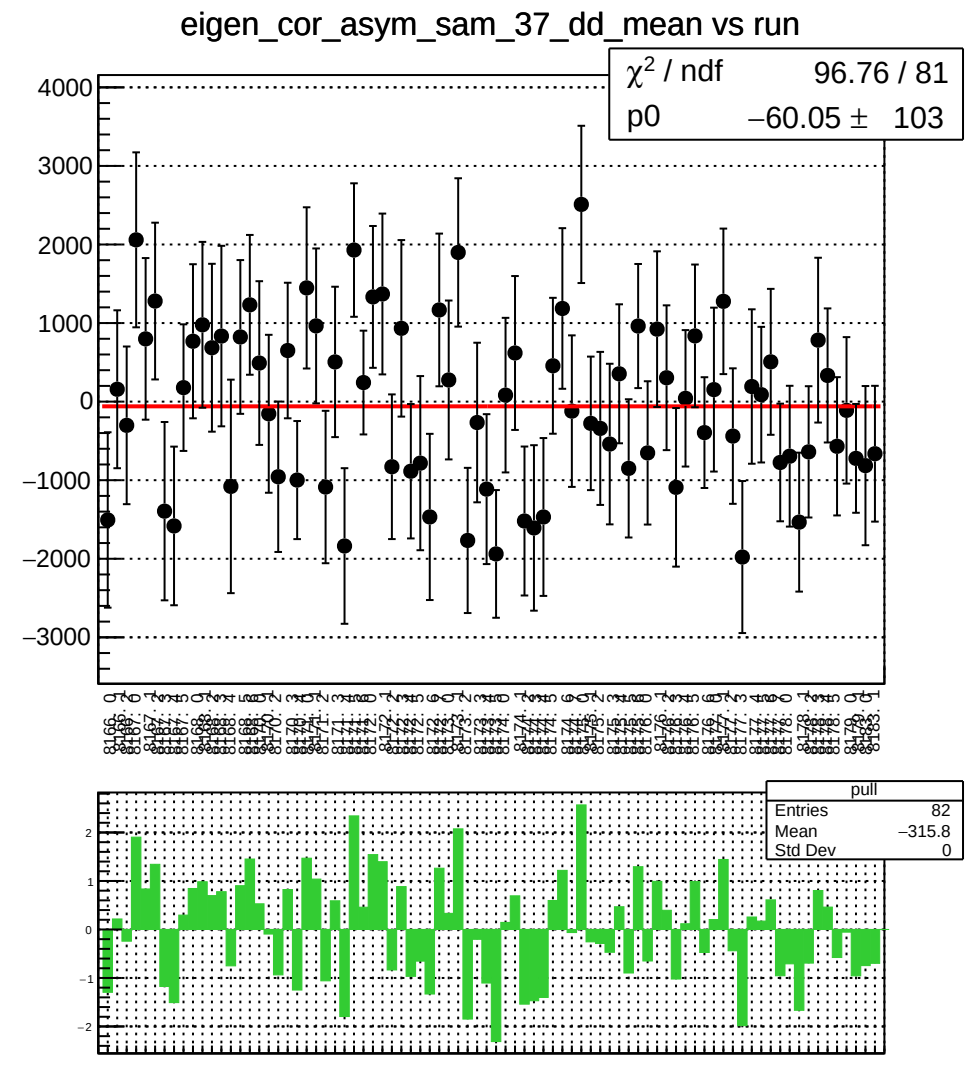

pull1D
Entries 82
Mean 0.01302
Std Dev 1.086

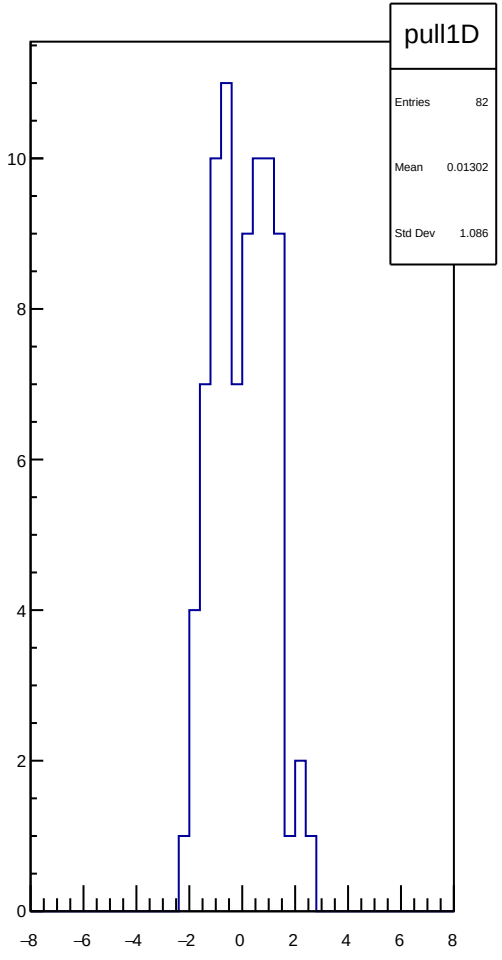

cor_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.074e+04 / 81
p0 91.35 ± 0.07286
130
120
110
100
90
80

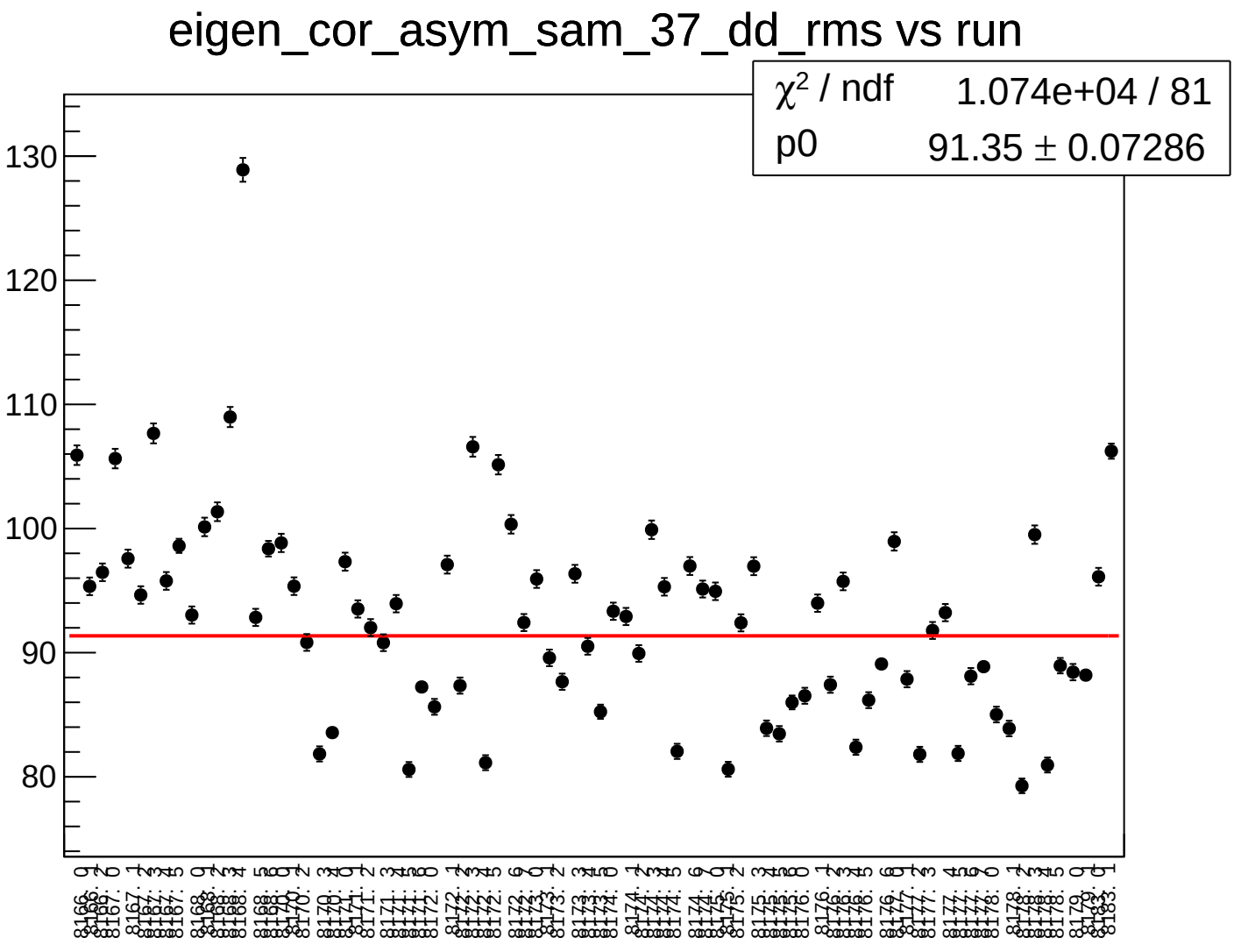

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 87.26 / 81
p0 −1301 ± 981.5
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −875.8
Std Dev 0
2
1
0
−1
−2

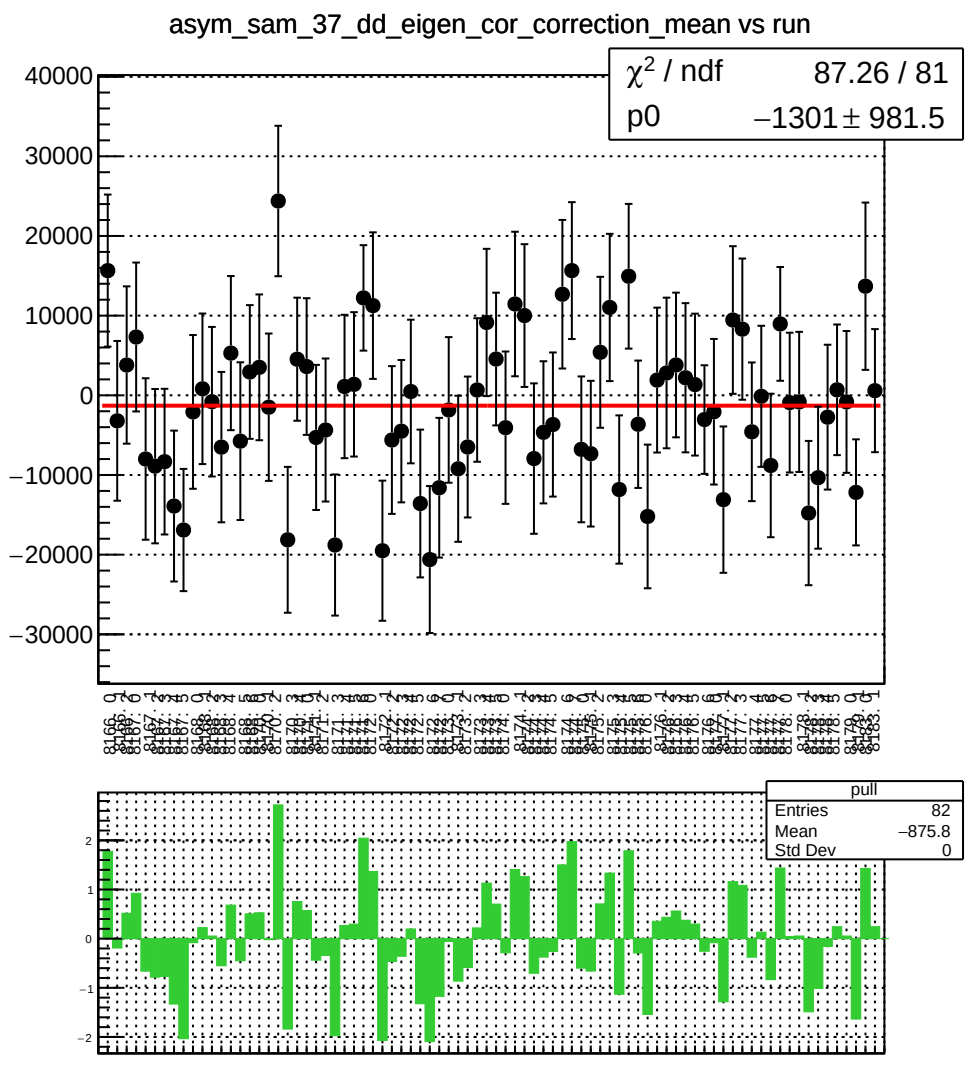

pull1D
Entries 82
Mean −0.001028
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

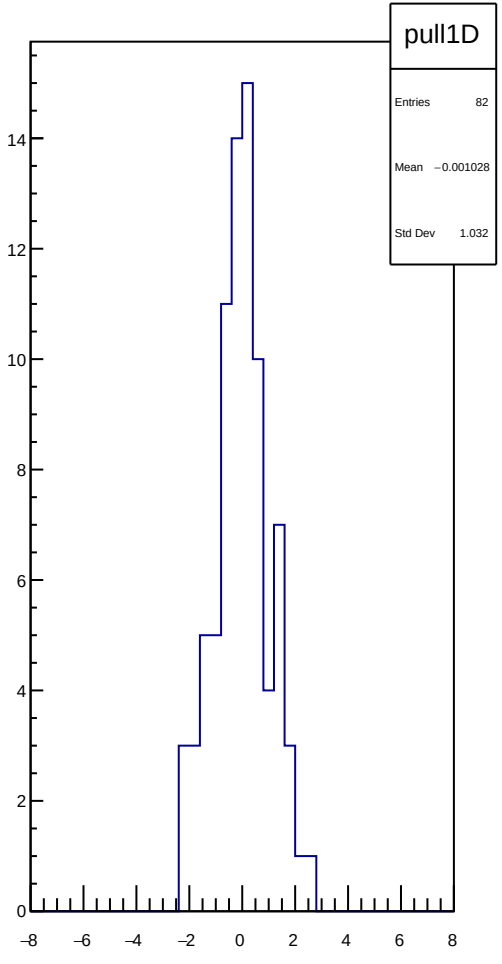

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 2241 / 81
p0 872.6 ± 0.694
1000
950
900
850
800

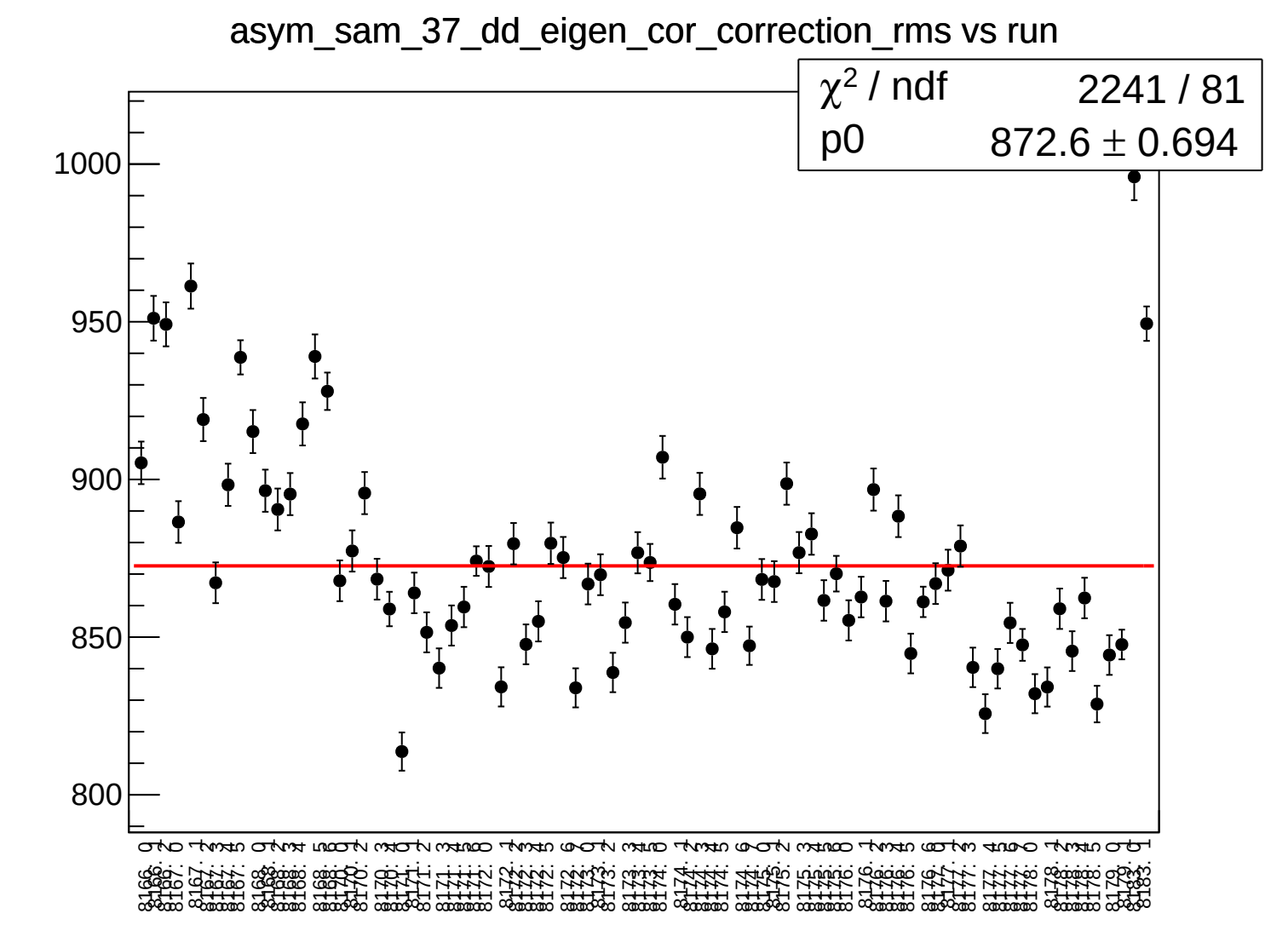

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 96.76 / 81
p0 −60.05 ± 103
pull
Entries 82
Mean −315.8
Std Dev 0

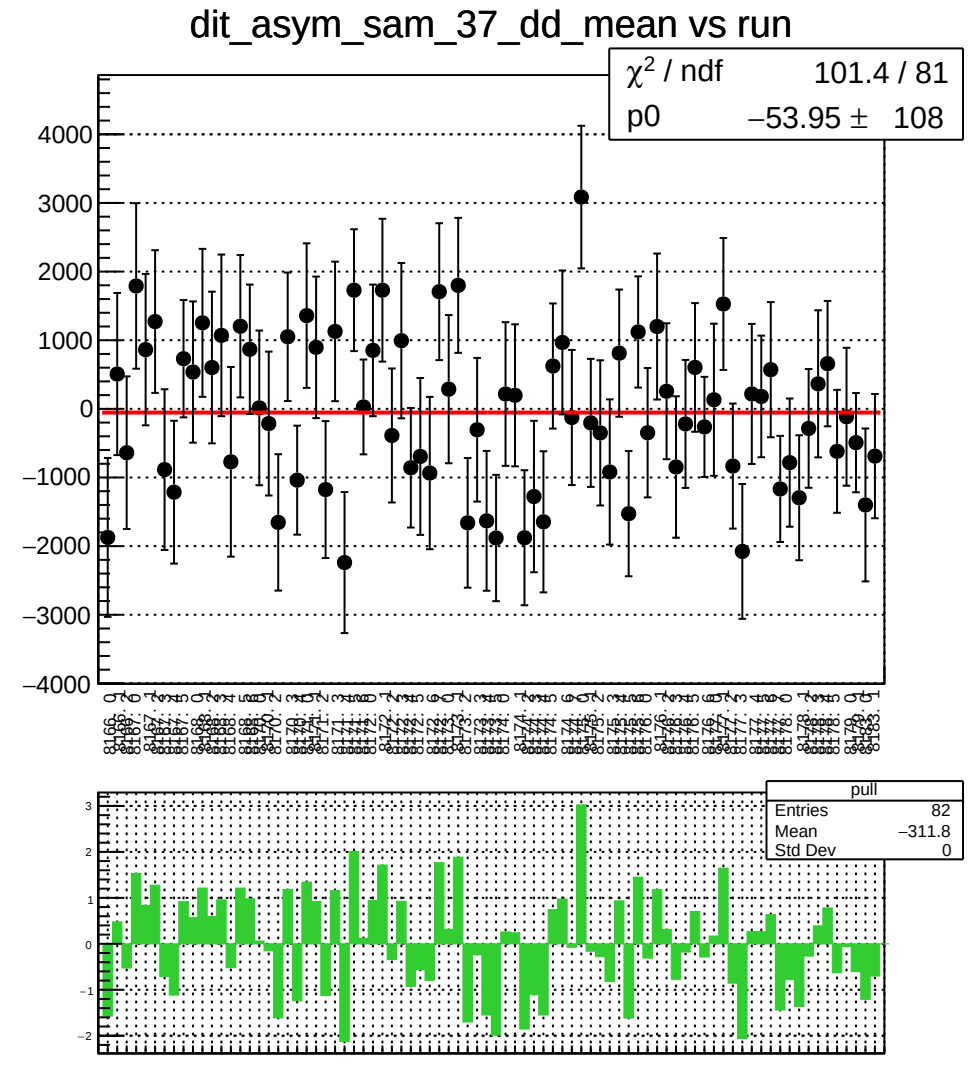

pull1D
Entries 82
Mean 0.01302
Std Dev 1.086

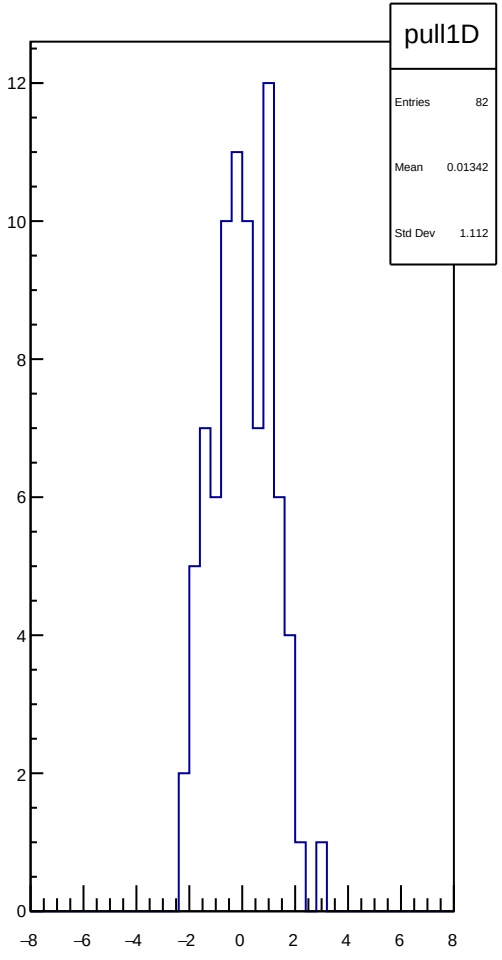

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 1.074e+04 / 81
p0 91.35 ± 0.07286
130
120
110
100
90
80

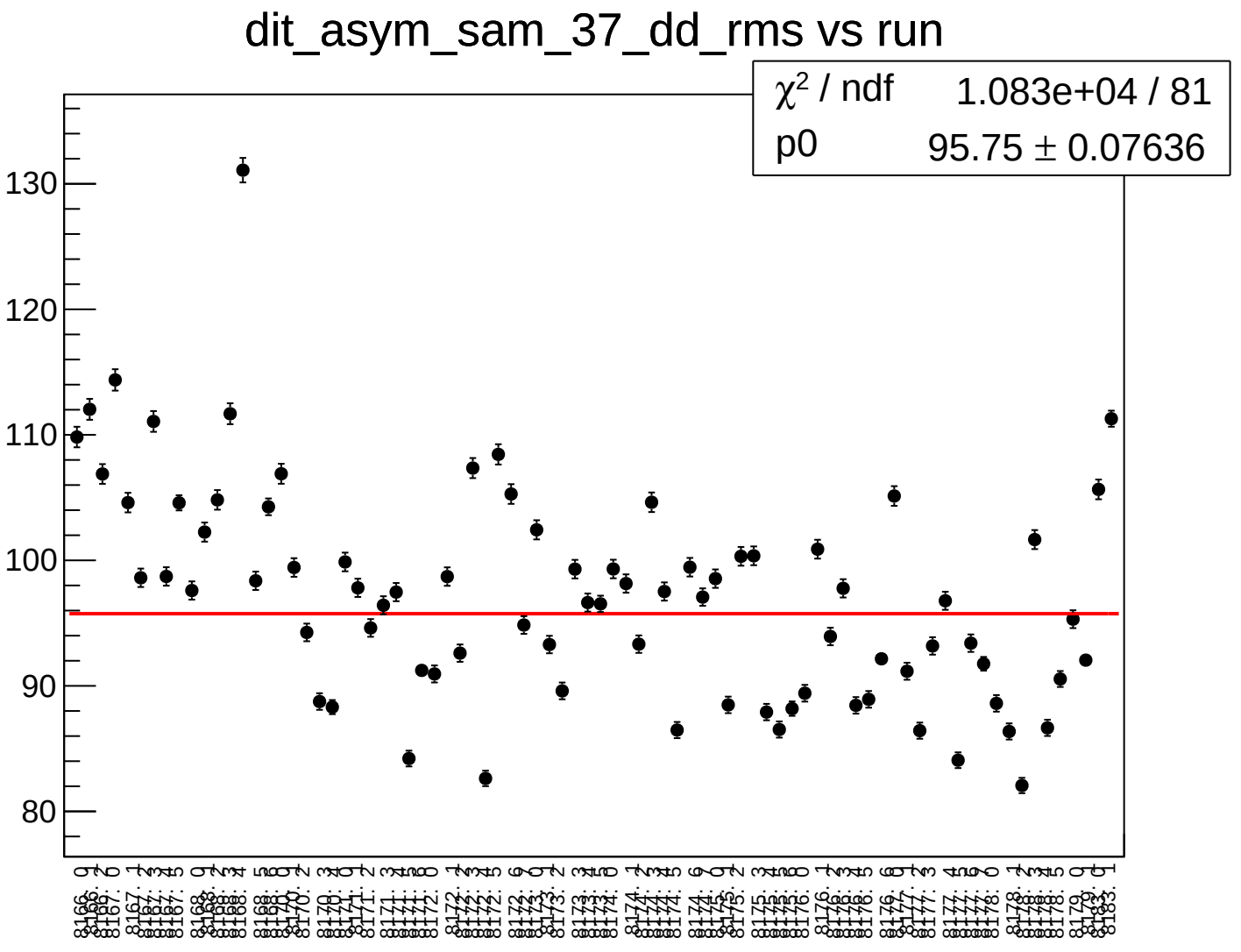

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 87.26 / 81
p0 −1301 ± 981.5
pull
Entries 82
Mean −875.8
Std Dev 0

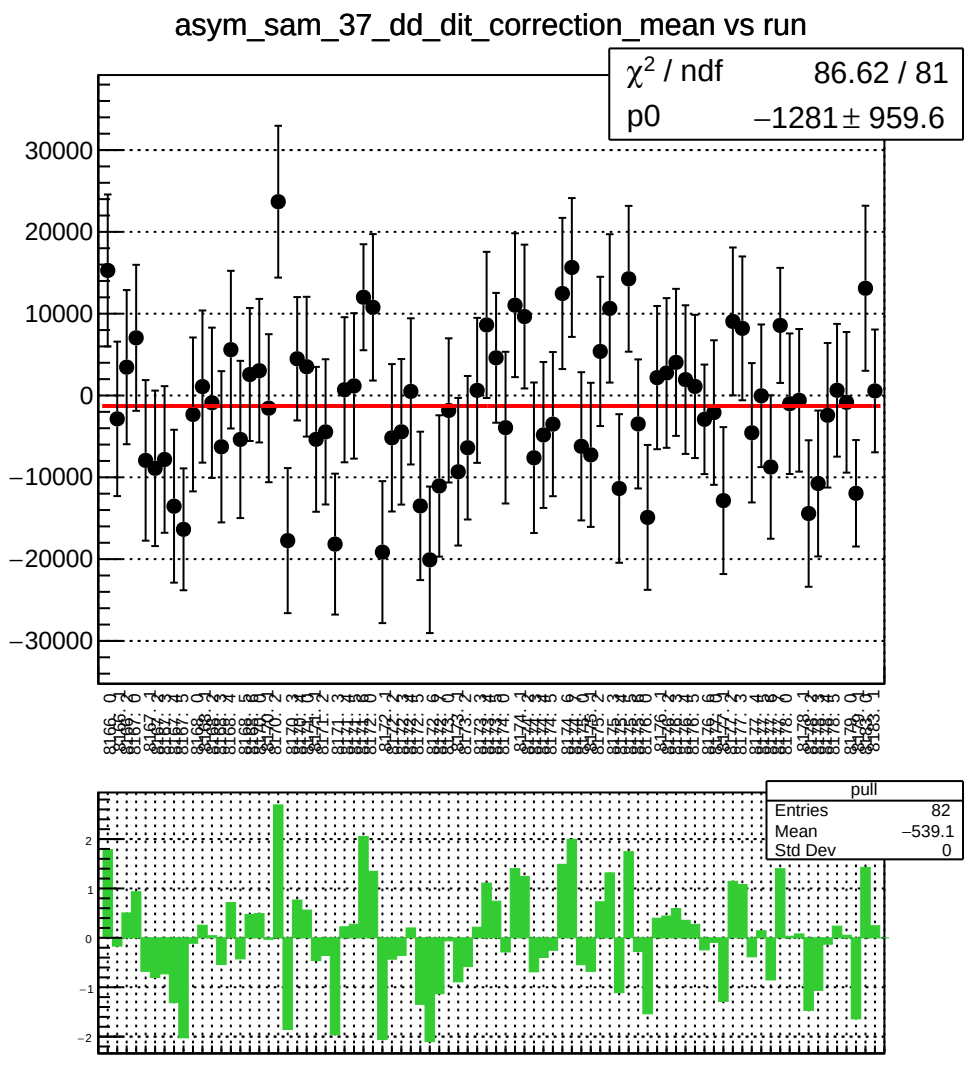

pull1D
Entries 82
Mean −0.001028
Std Dev 1.032

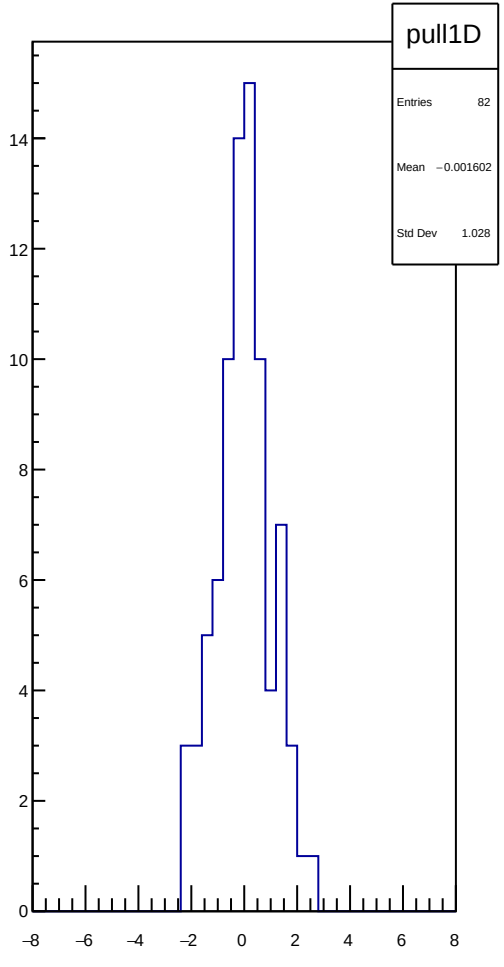

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 2241 / 81
p0 872.6 ± 0.694
1000
950
900
850
800

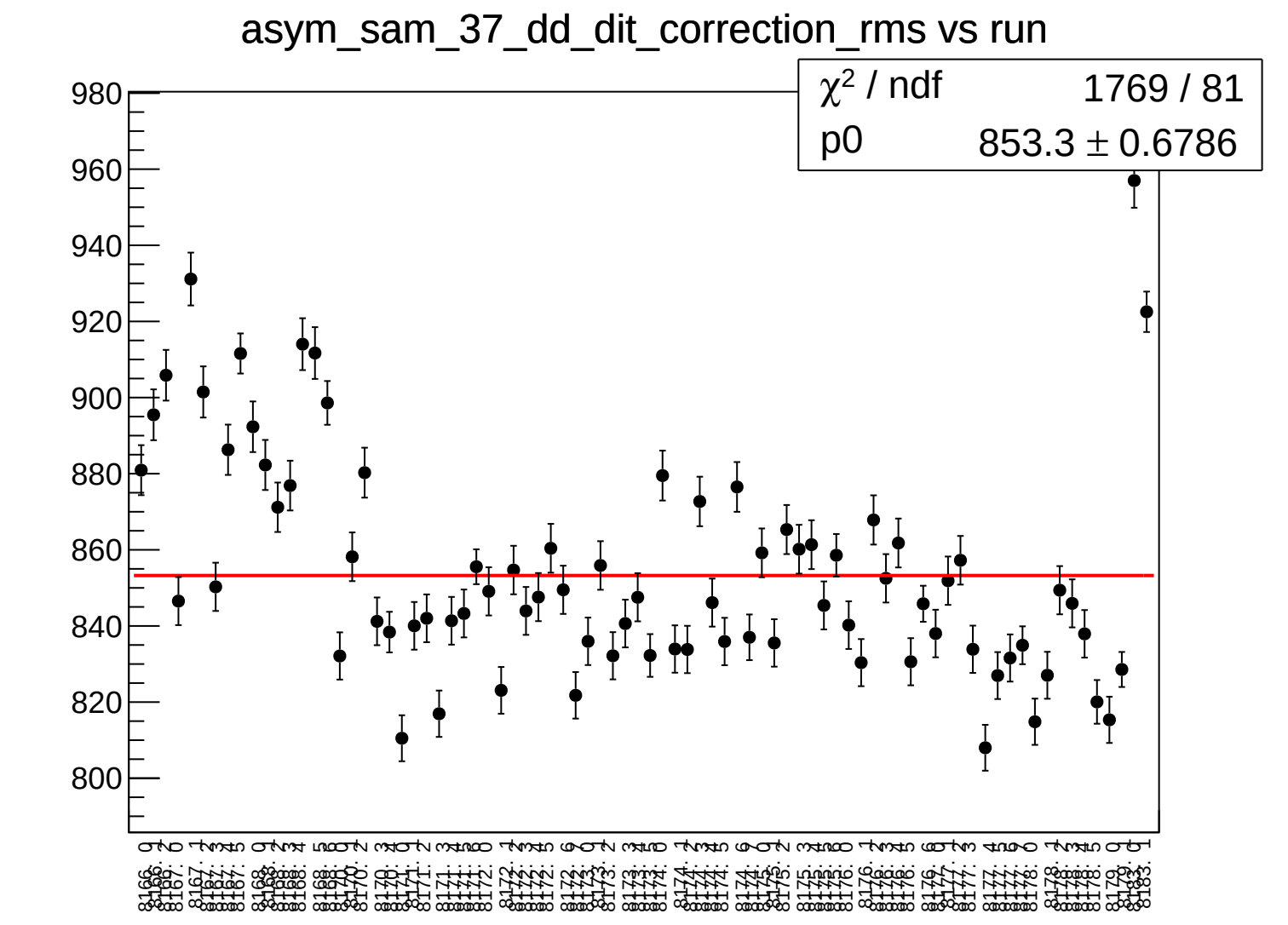

dit_asym_sam_37_dd_mean vs run
χ² / ndf 101.4 / 81
p0 −53.95 ± 108
pull
Entries 82
Mean −311.8
Std Dev 0

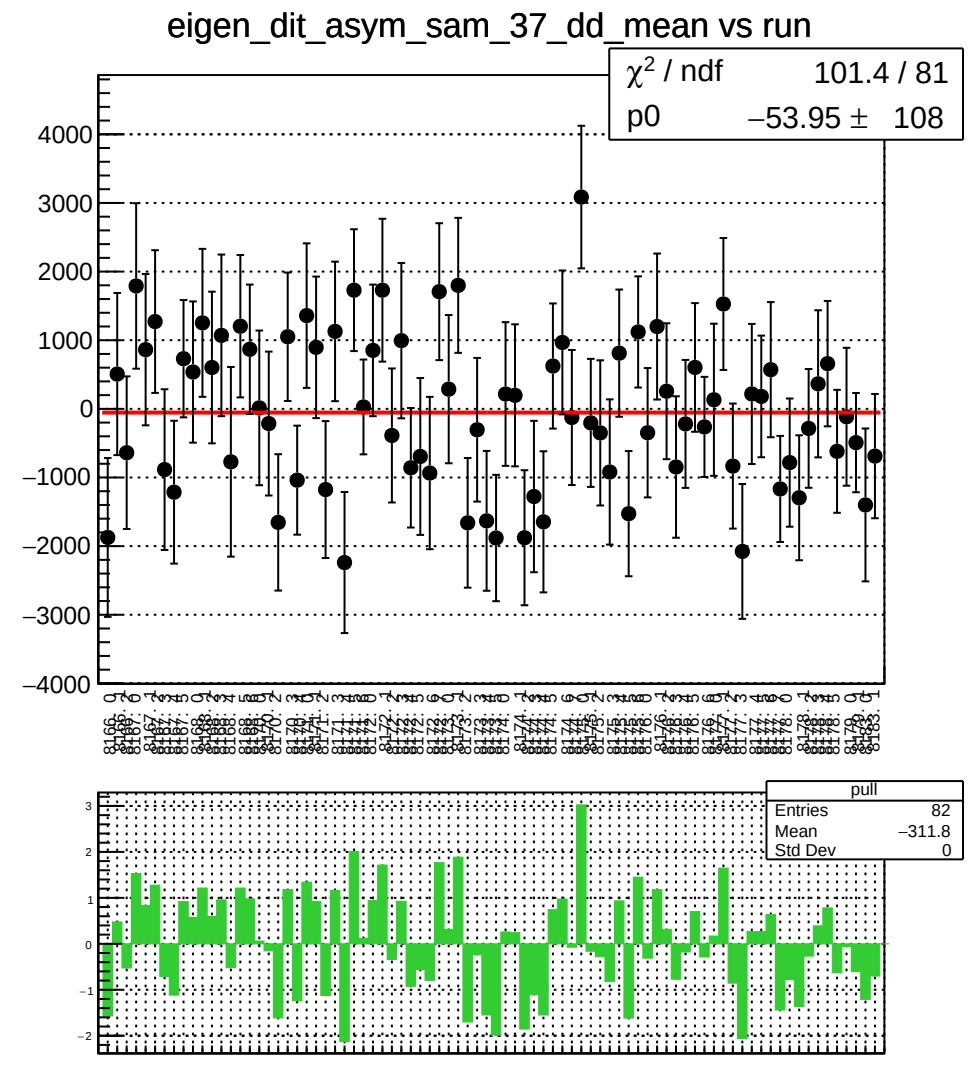

pull1D
Entries 82
Mean 0.01342
Std Dev 1.112

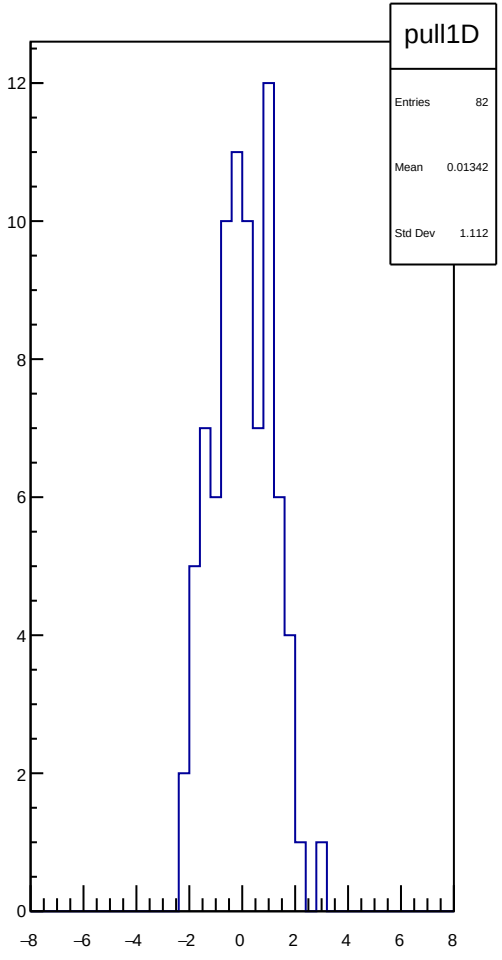

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.083e+04 / 81
p0 95.75 ± 0.07636
130
120
110
100
90
80

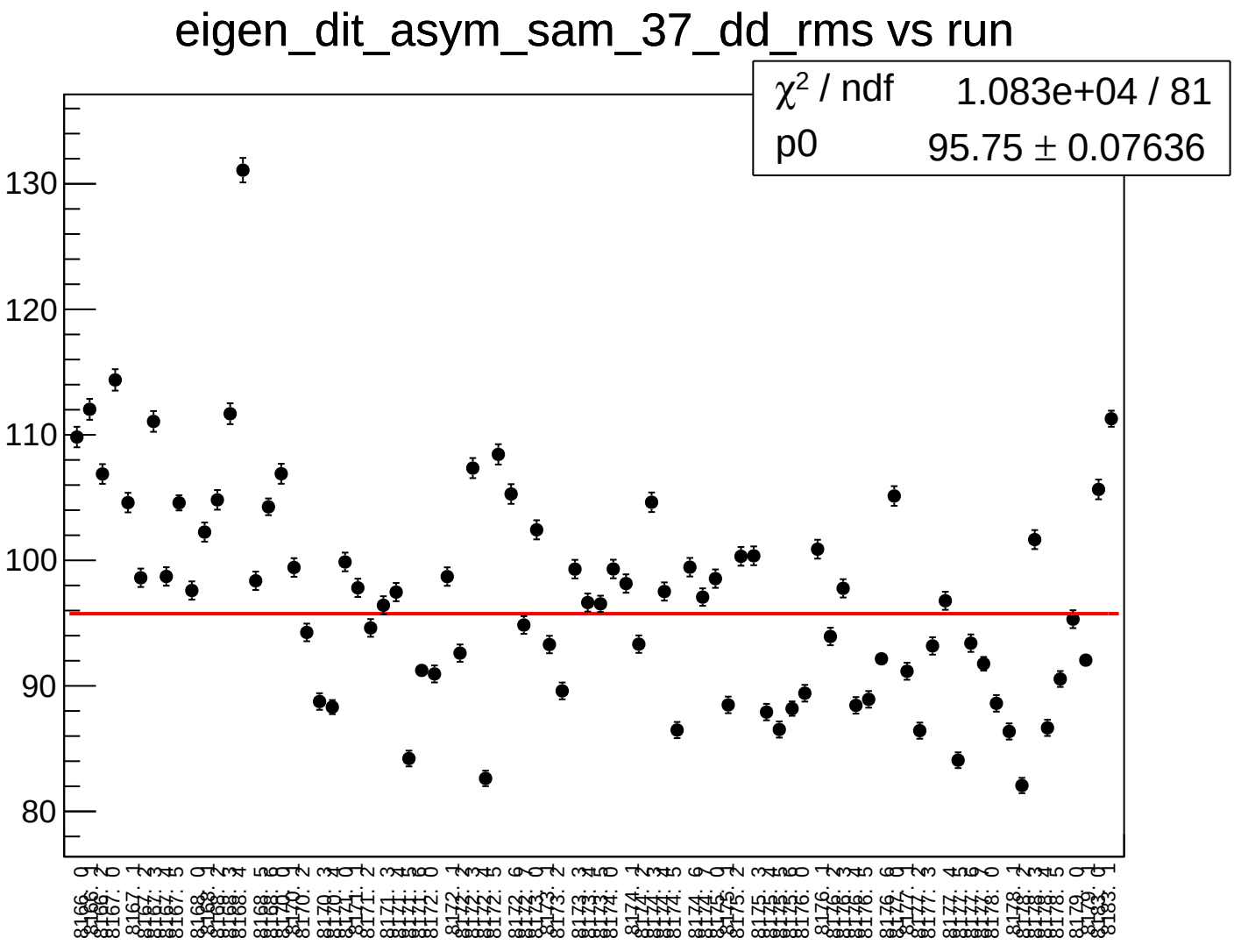

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 86.62 / 81
p0 −1281 ± 959.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −539.1
Std Dev 0
2
1
0
−1
−2

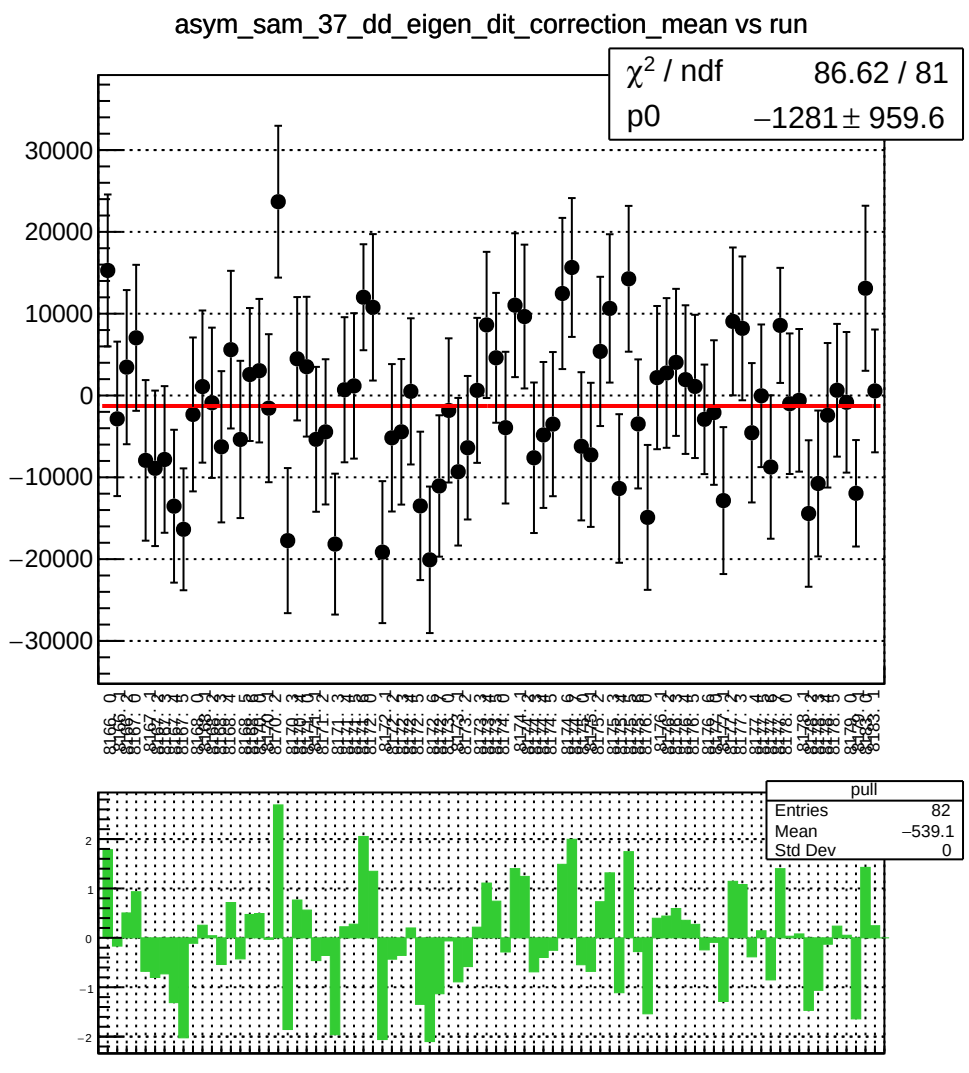

pull1D
Entries 82
Mean −0.001602
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

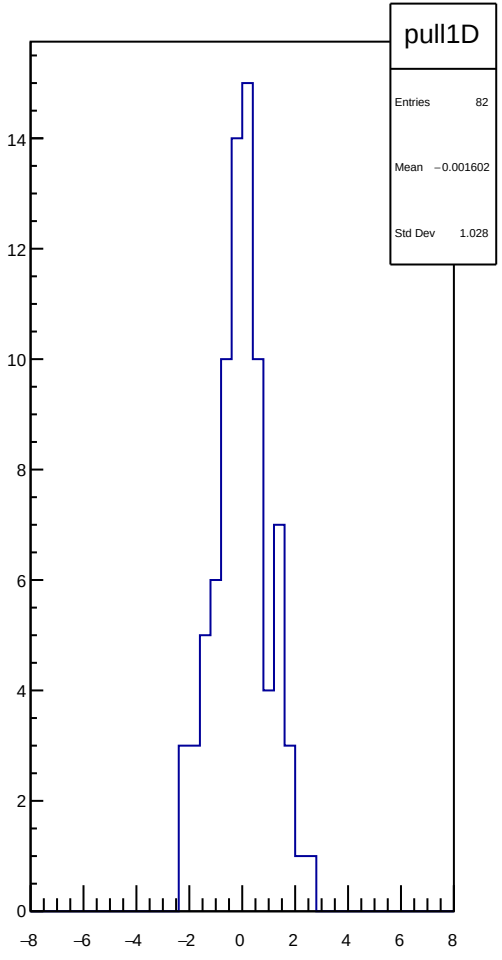

asym_sam_37_dd_dit_correction_rms vs run
χ^2 / ndf 1769 / 81
p0 853.3 ± 0.6786
980
960
940
920
900
880
860
840
820
800

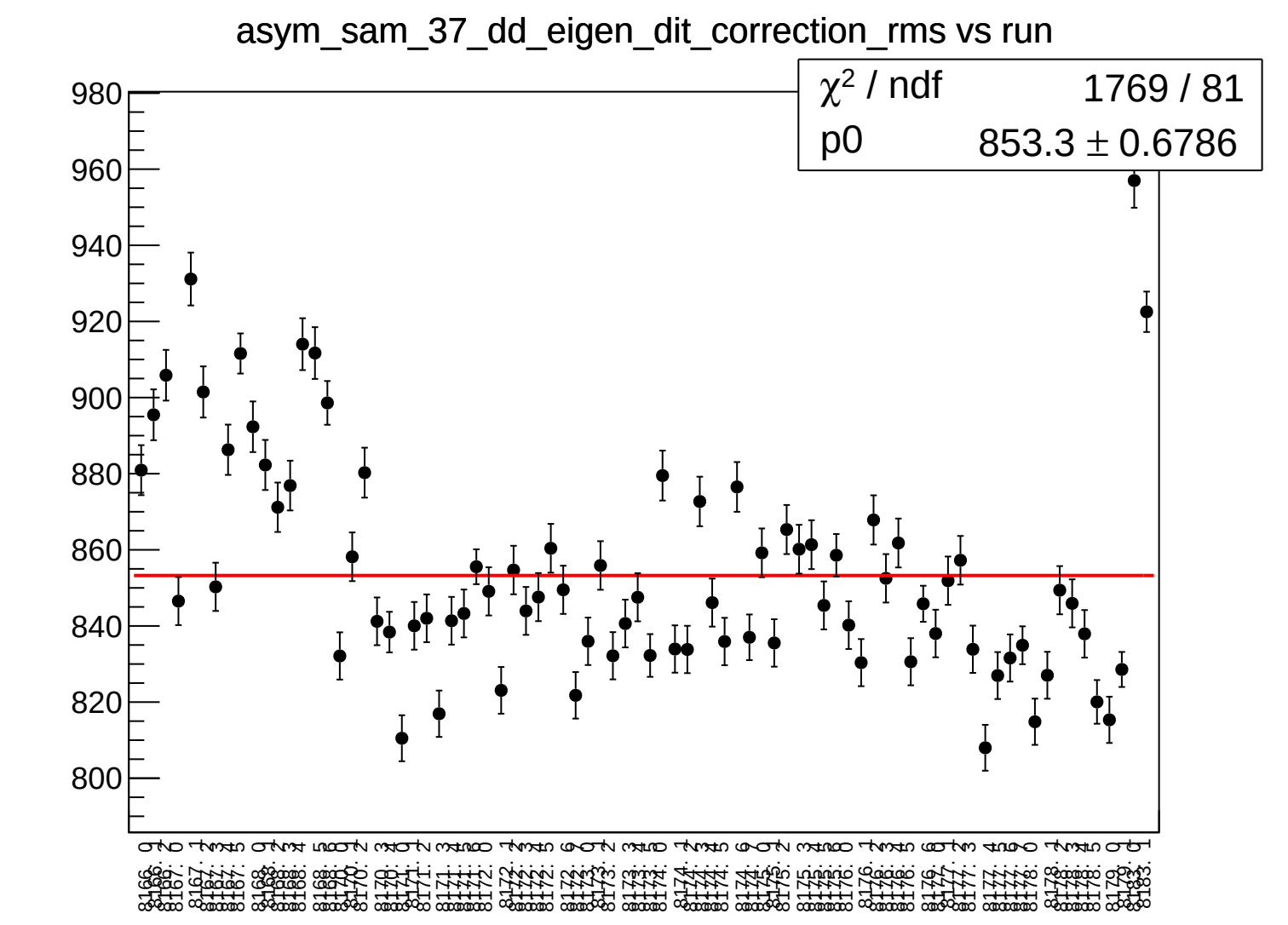

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 101.4 / 81
p0 −53.95 ± 108
pull
Entries 82
Mean −311.8
Std Dev 0

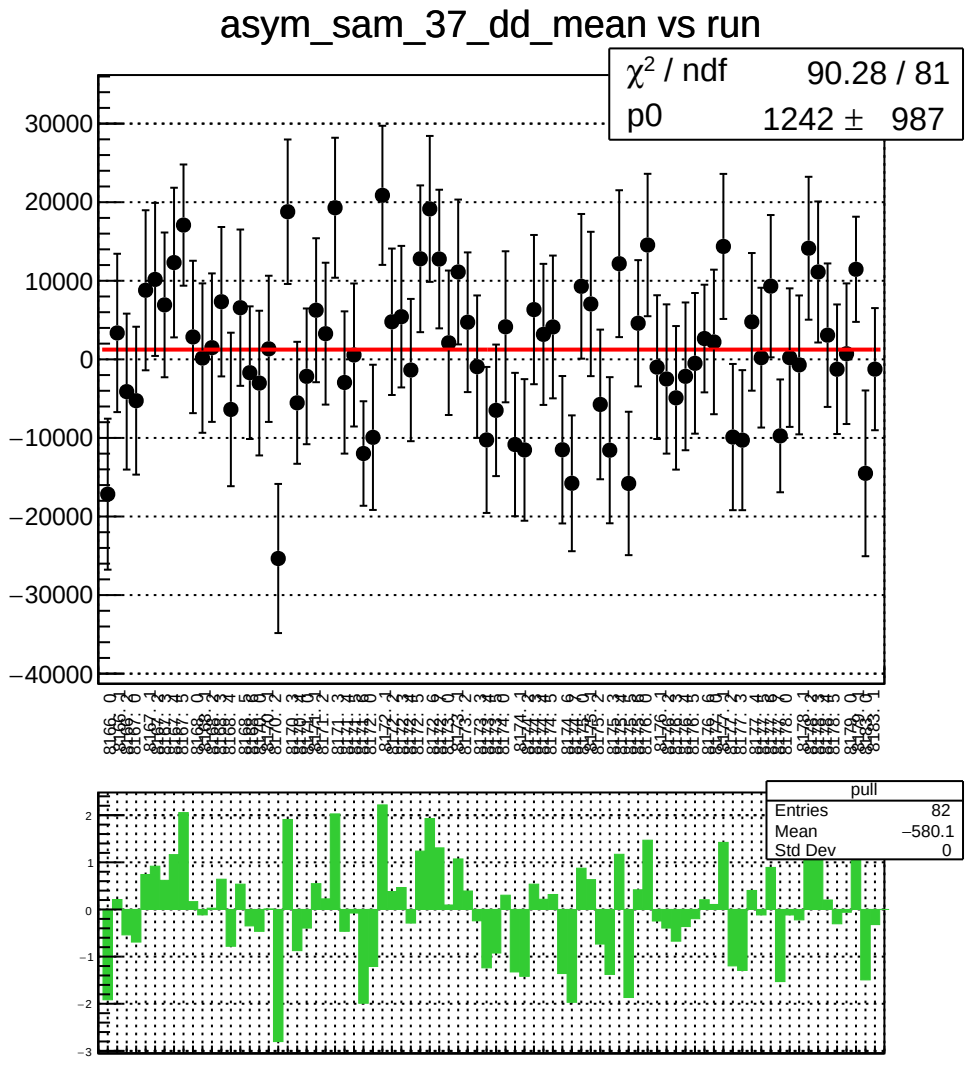

pull1D
Entries 82
Mean 0.01342
Std Dev 1.112

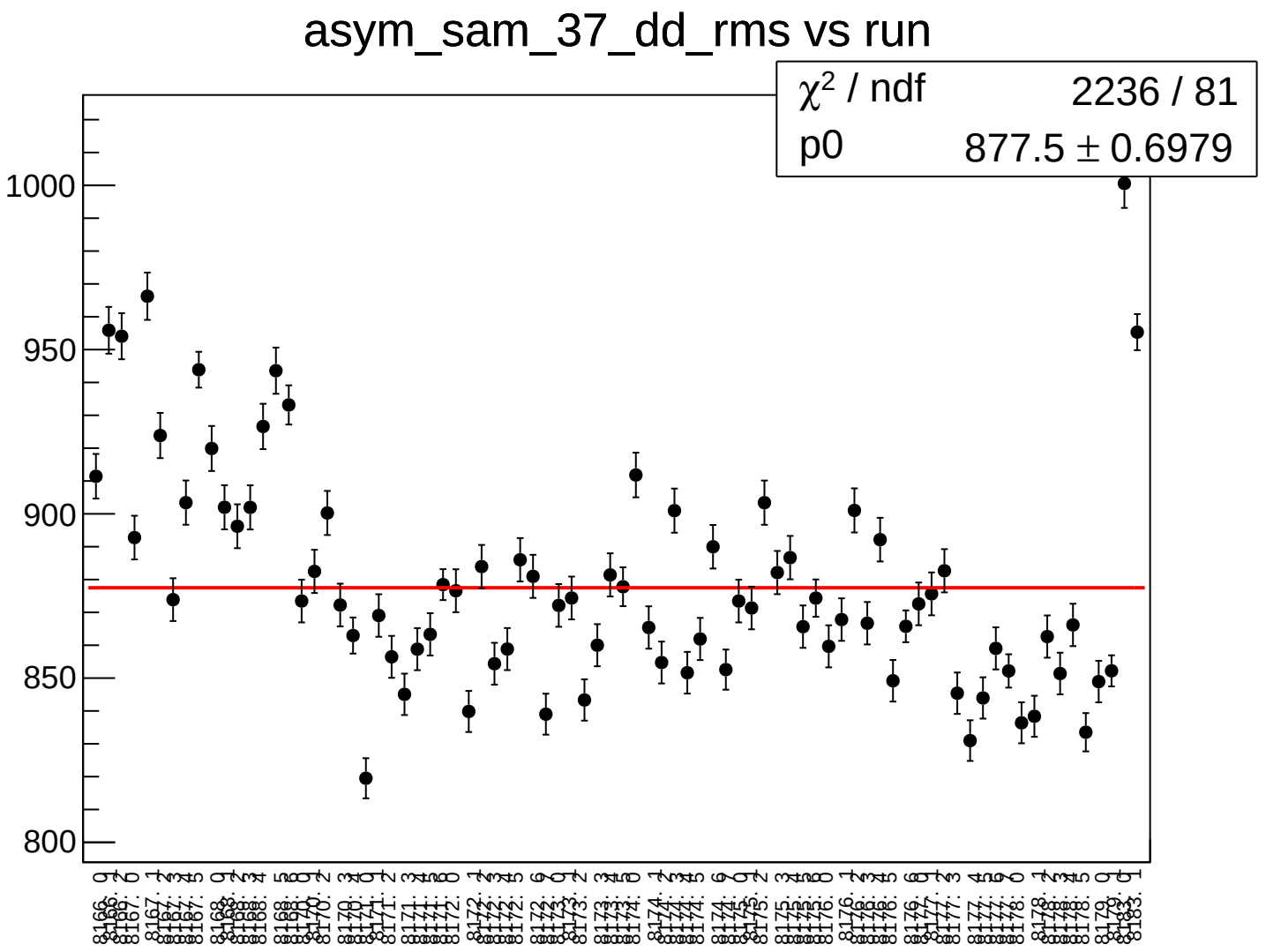

eigen_dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.083e+04 / 81
p0 95.75 ± 0.07636
130
120
110
100
90
80

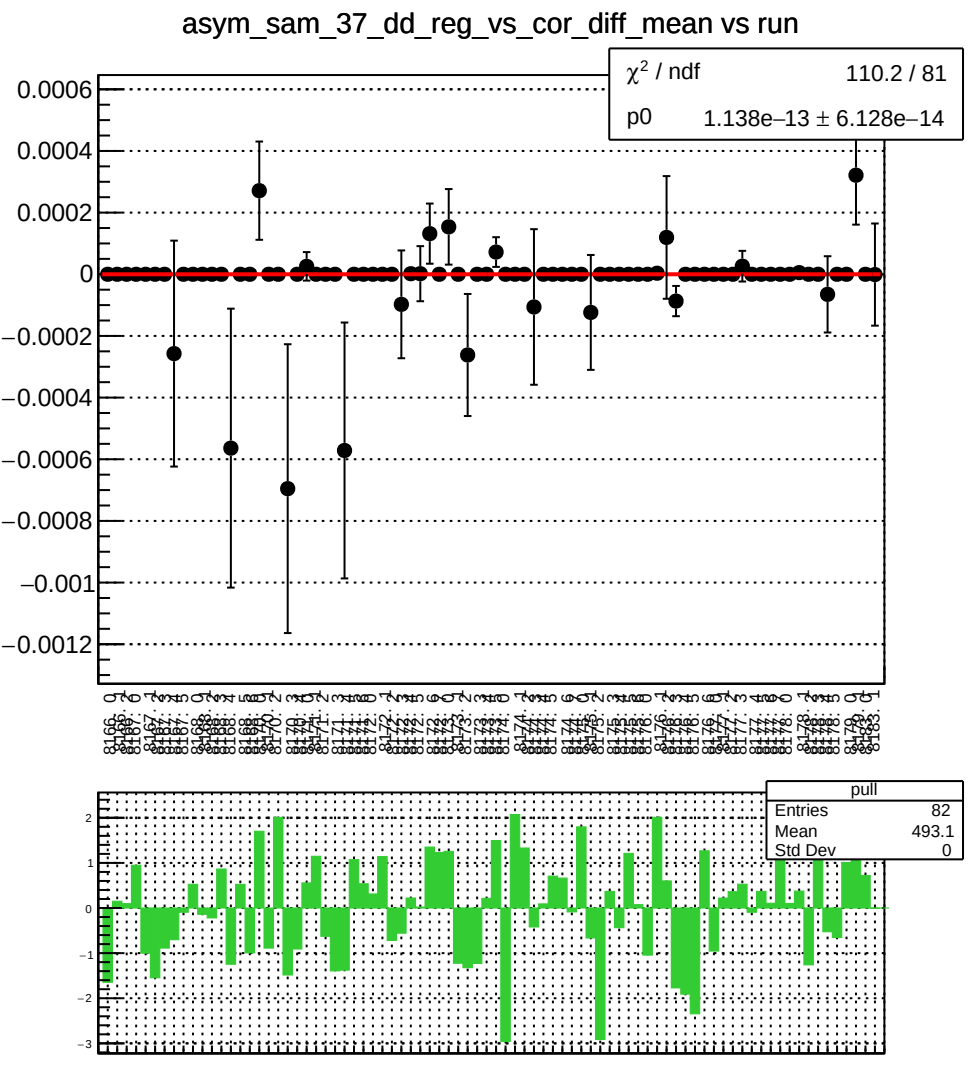

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 86.62 / 81
p0 −1281 ± 959.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −539.1
Std Dev 0
2
1
0
−1
−2

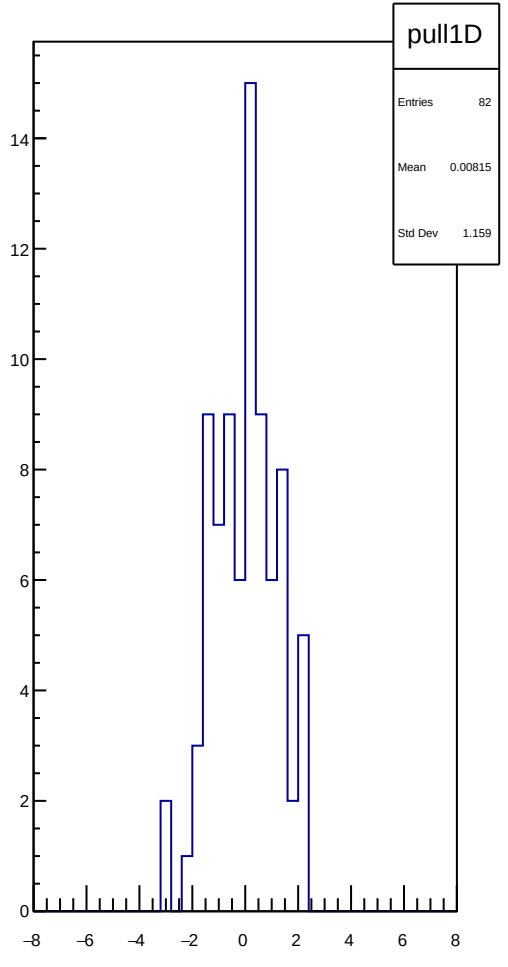

pull1D
Entries 82
Mean −0.001602
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

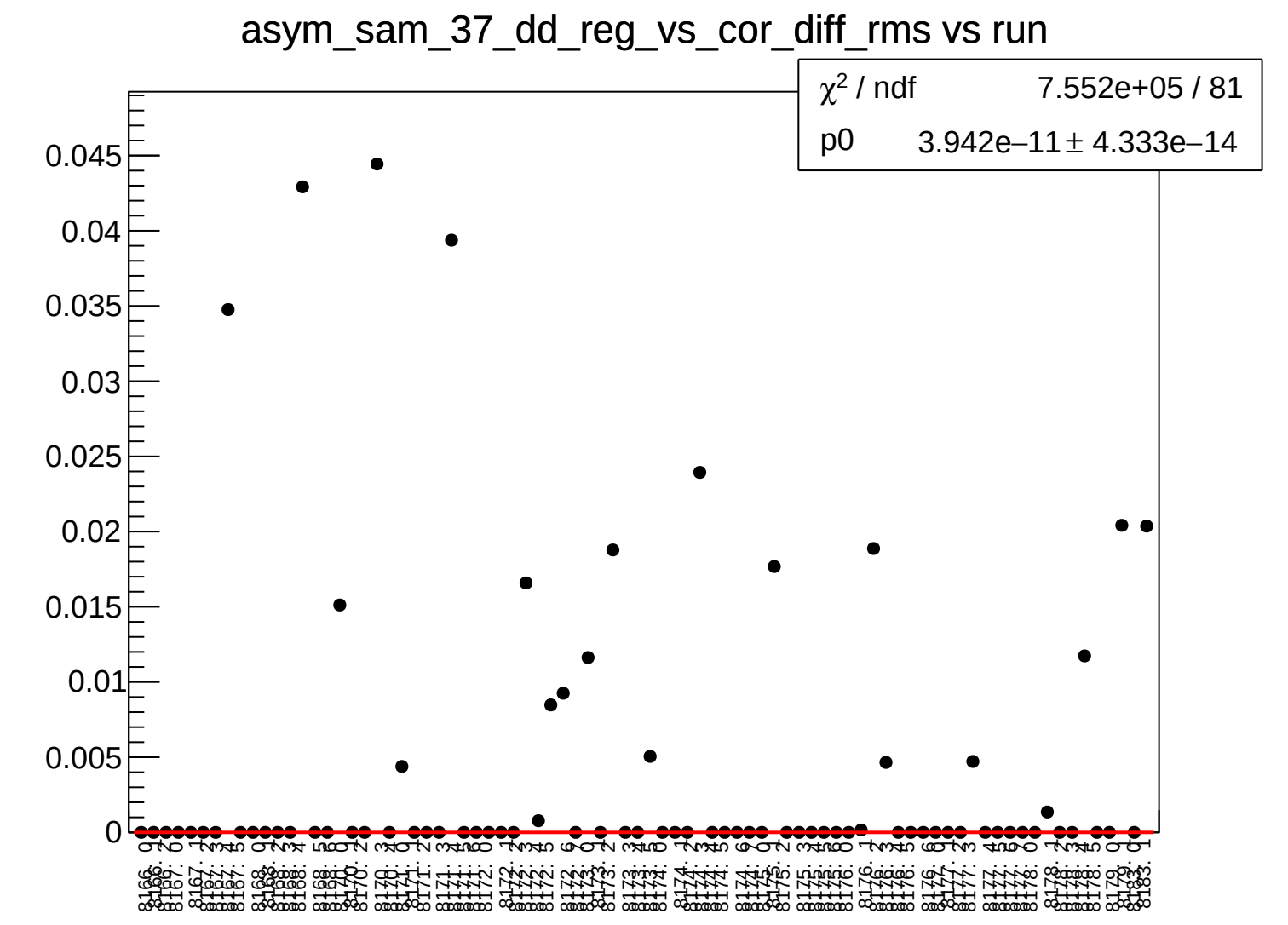

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1769 / 81
p0 853.3 ± 0.6786
980
960
940
920
900
880
860
840
820
800

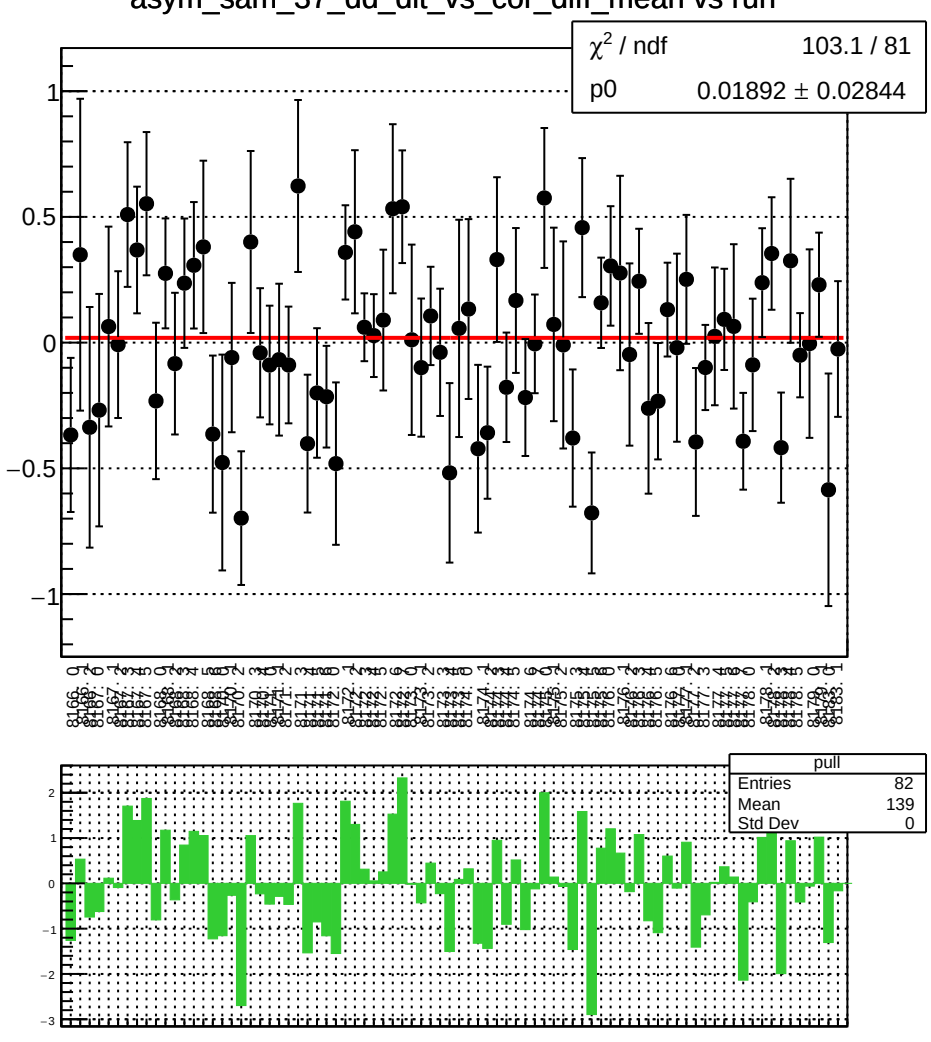

asym_sam_37_dd_mean vs run
χ² / ndf 90.28 / 81
p0 1242 ± 987
pull
Entries 82
Mean −580.1
Std Dev 0
pull1D
Entries 82
Mean 0.002273
Std Dev 1.049

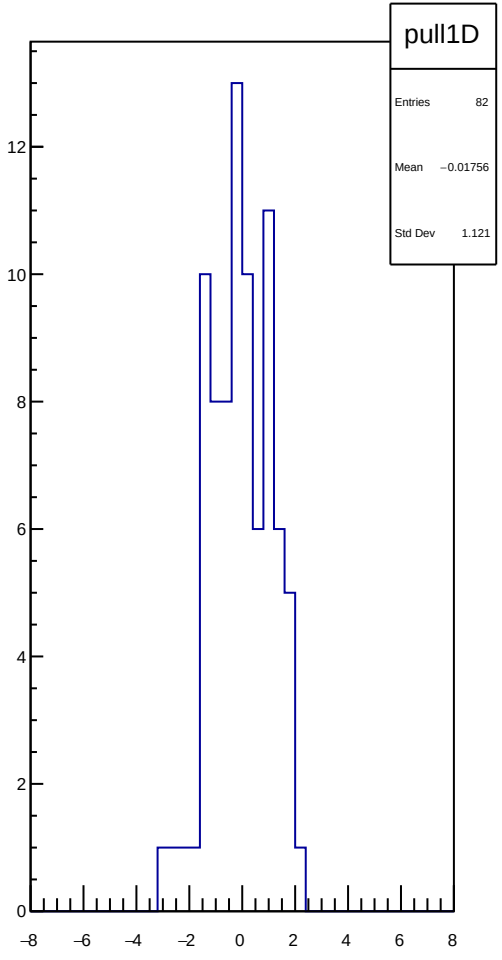

asym_sam_37_dd_rms vs run
χ² / ndf 2236 / 81
p0 877.5 ± 0.6979
1000
950
900
850
800

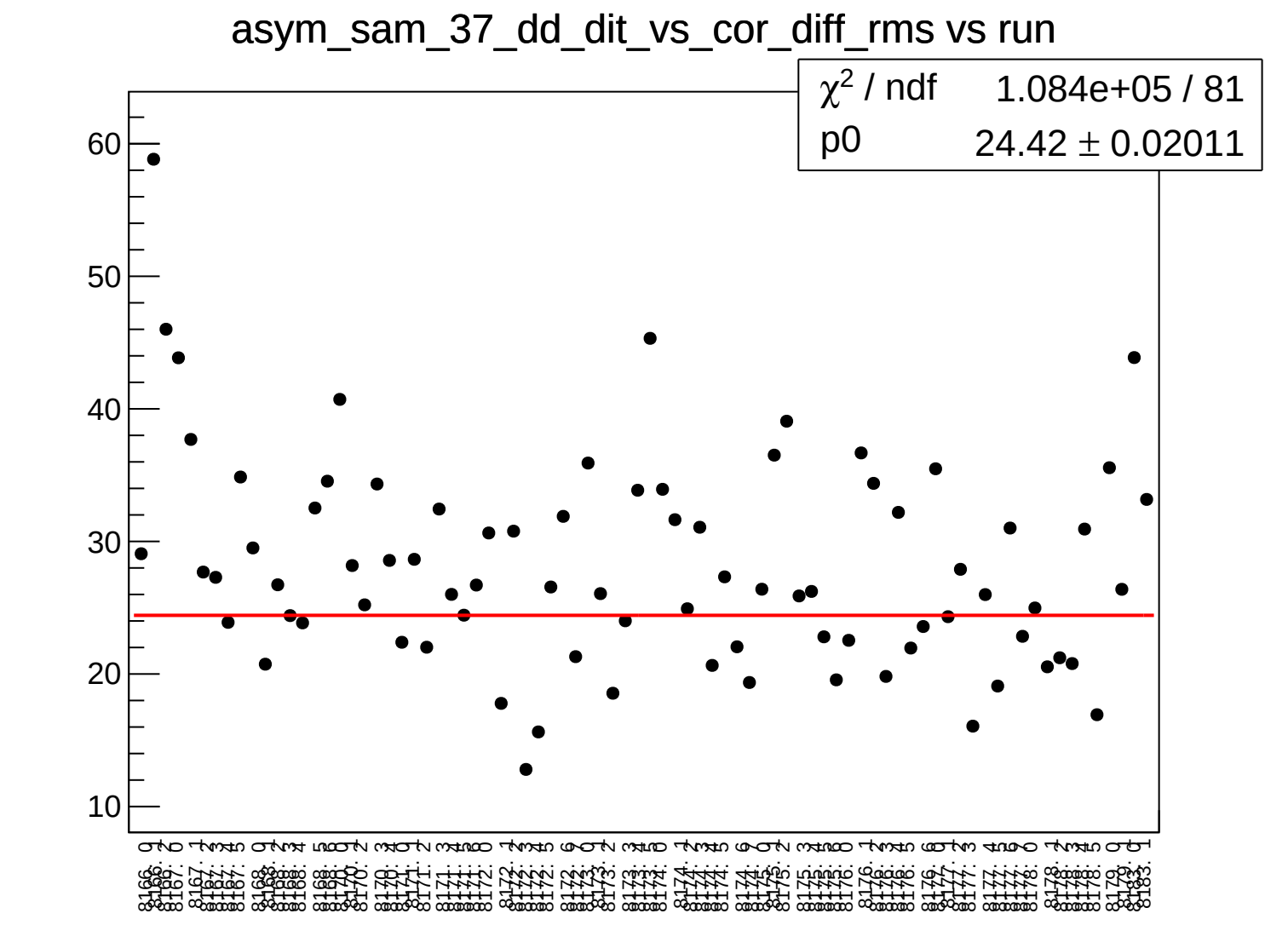

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 110.2 / 81
p0 1.138e−13 ± 6.128e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
pull
Entries 82
Mean 493.1
Std Dev 0
2
1
0
−1
−2
−3

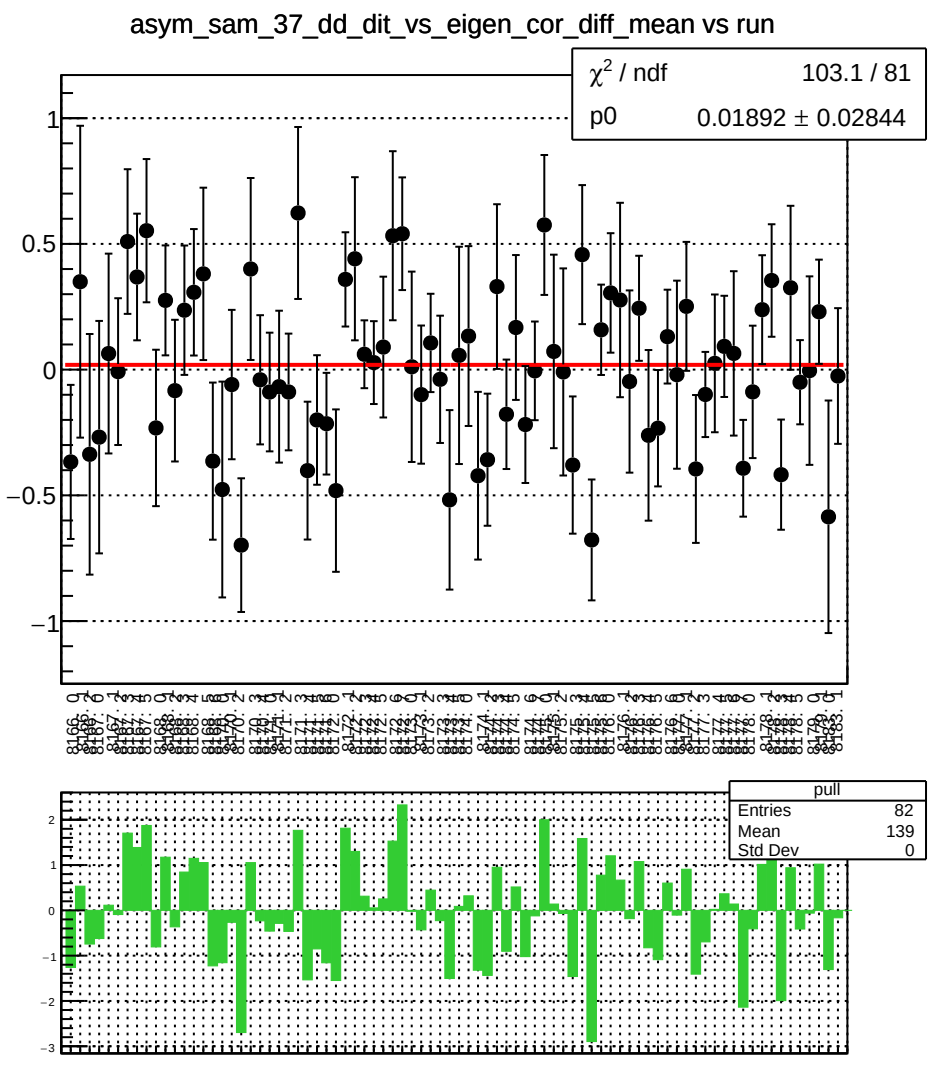

pull1D
Entries 82
Mean 0.00815
Std Dev 1.159
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

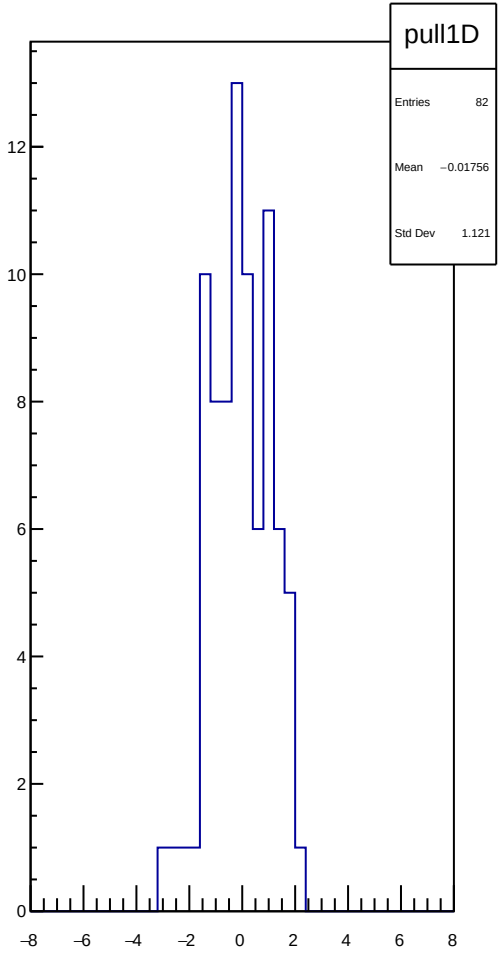

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.552e+05 / 81
p0 3.942e−11 ± 4.333e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

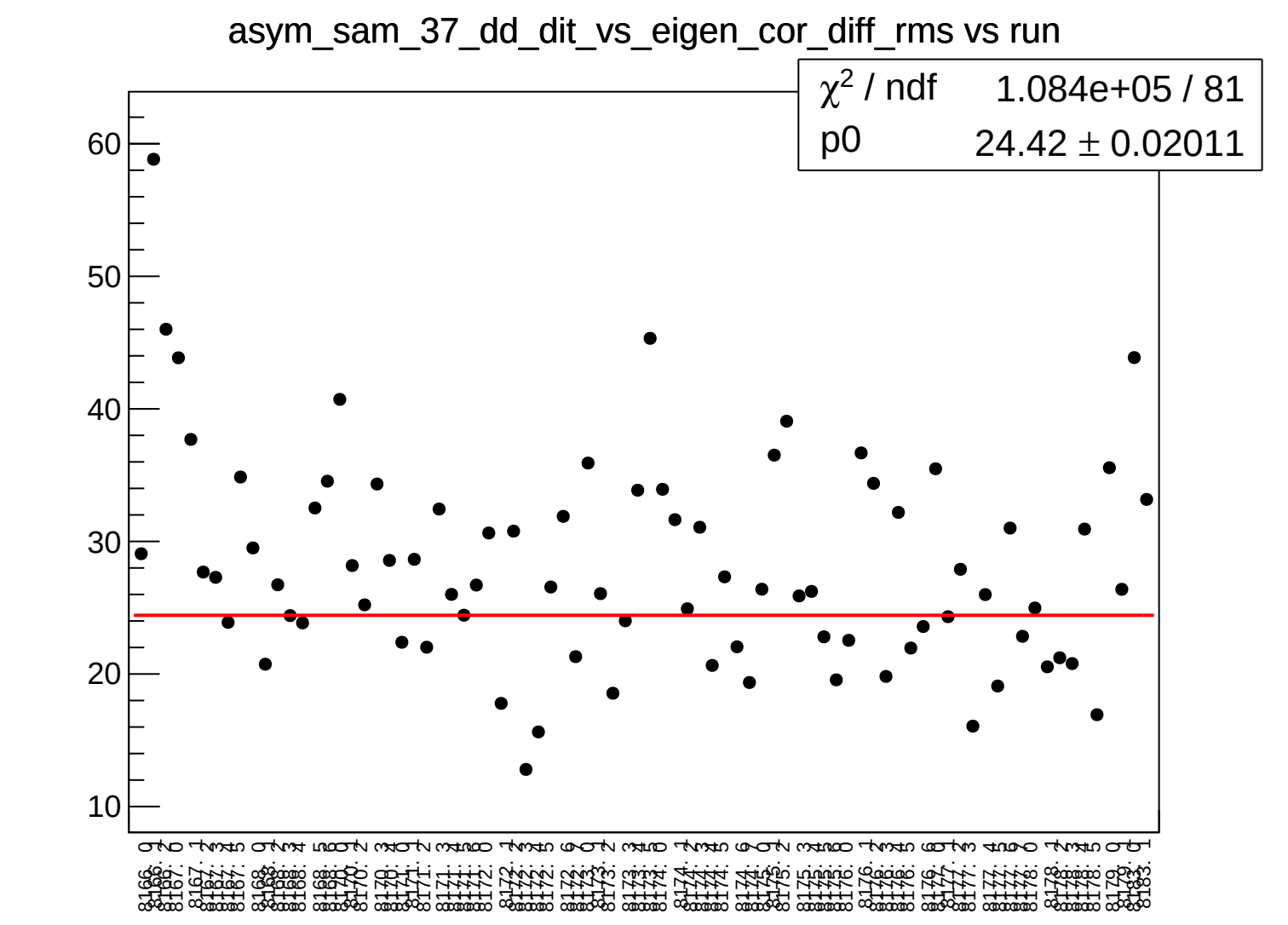

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 103.1 / 81
p0 0.01892 ± 0.02844
pull
Entries 82
Mean 139
Std Dev 0

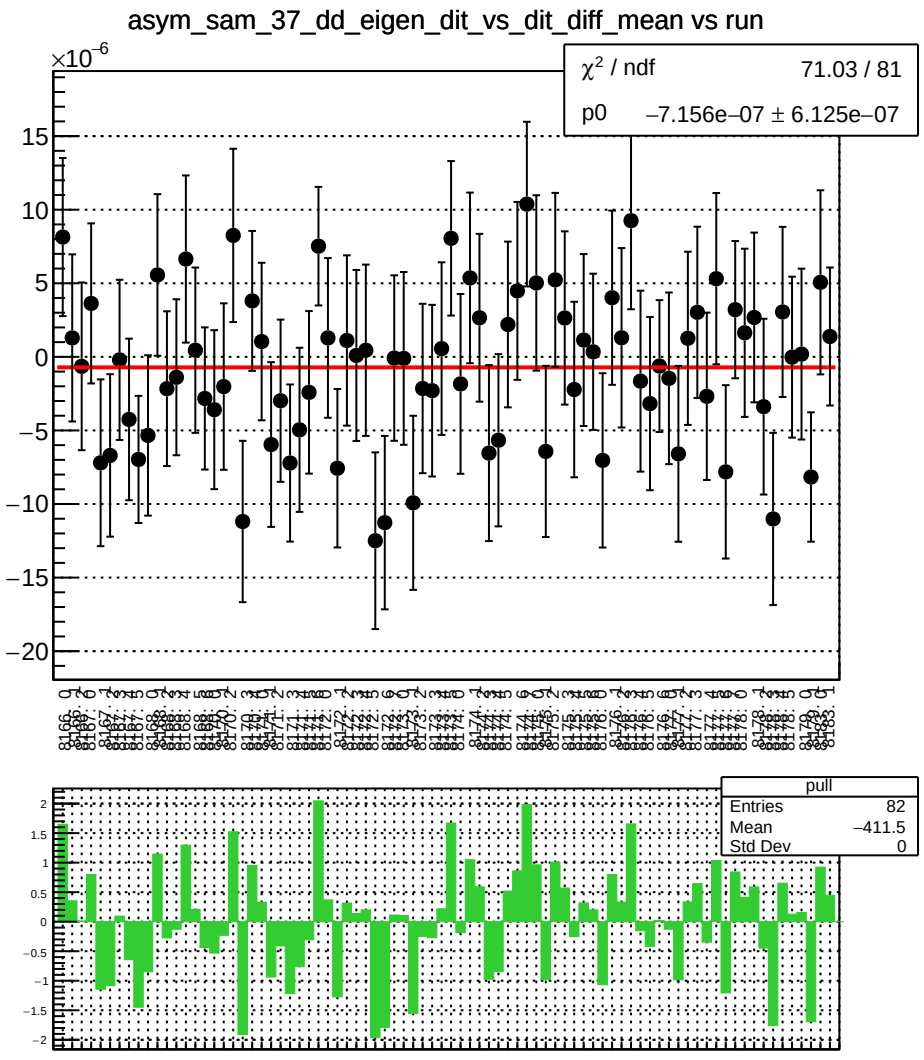

pull1D
Entries 82
Mean −0.01756
Std Dev 1.121

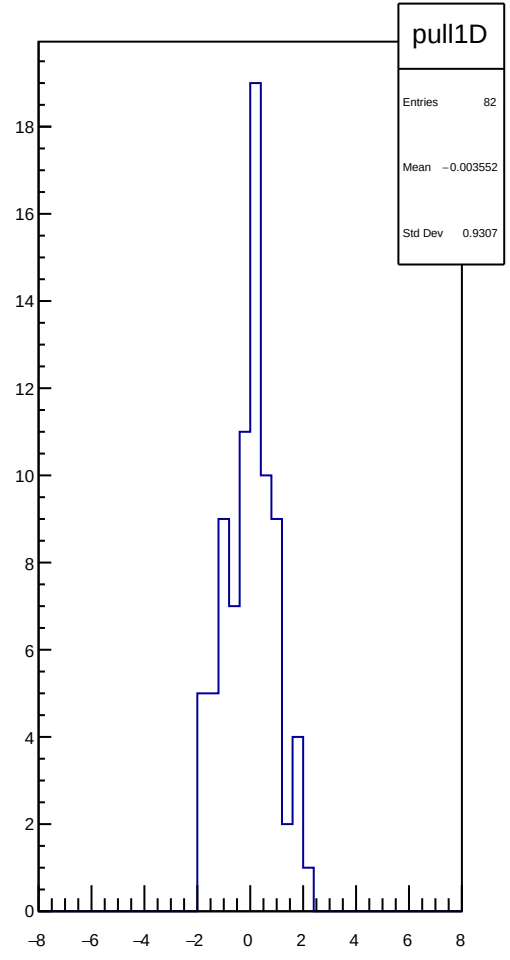

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.084e+05 / 81
p0 24.42 ± 0.02011
60
50
40
30
20
10

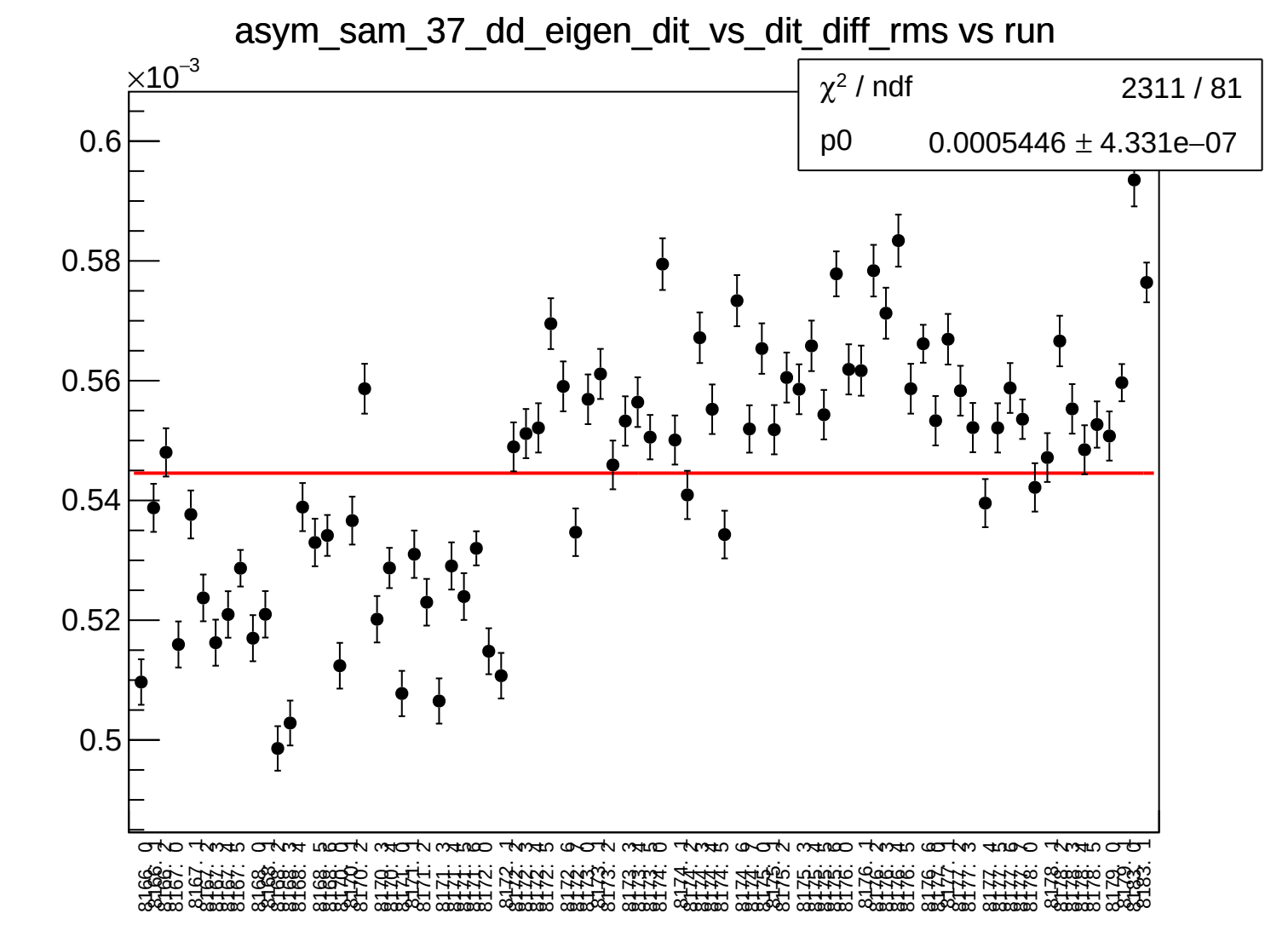

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103.1 / 81
p0 0.01892 ± 0.02844
pull
Entries 82
Mean 139
Std Dev 0

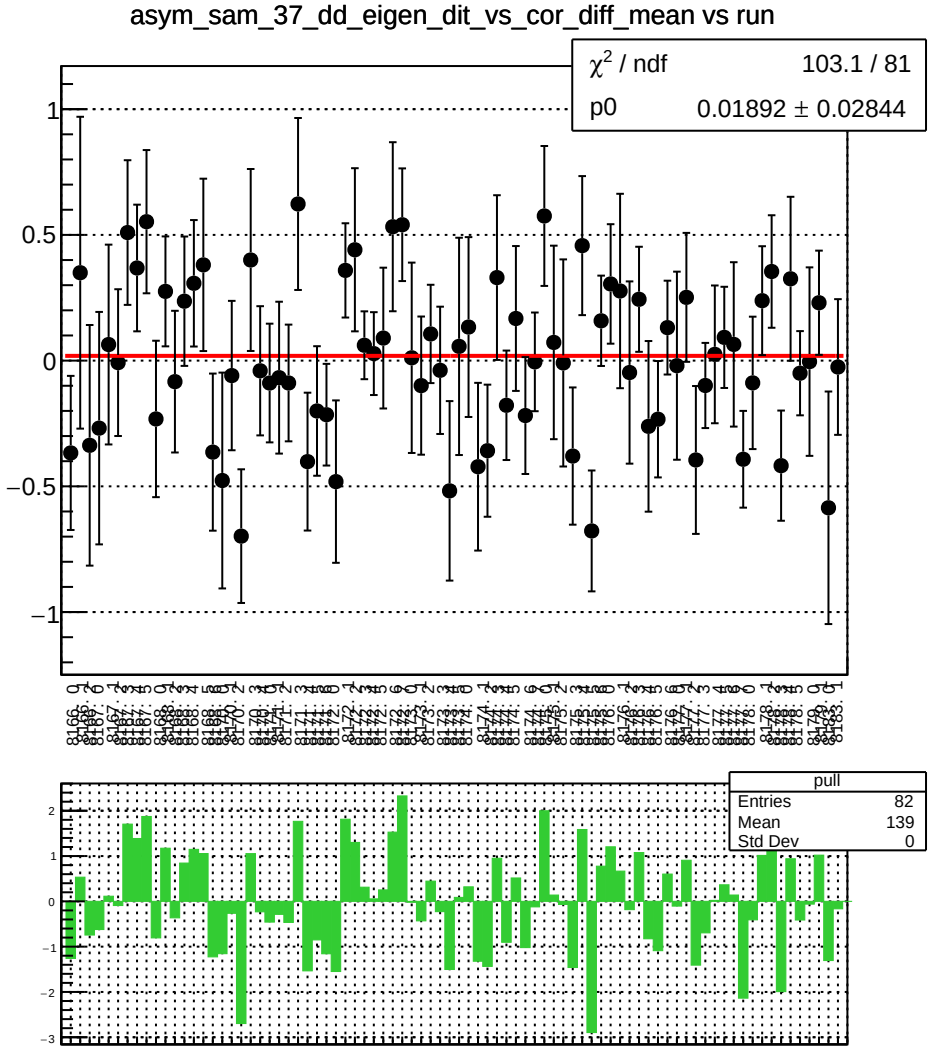

pull1D
Entries 82
Mean −0.01756
Std Dev 1.121

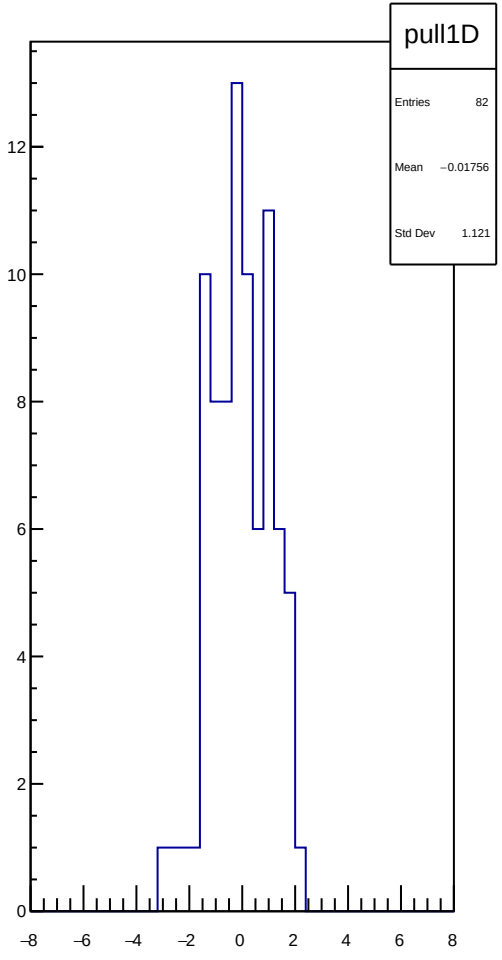

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 81
p0 24.42 ± 0.02011
60
50
40
30
20
10

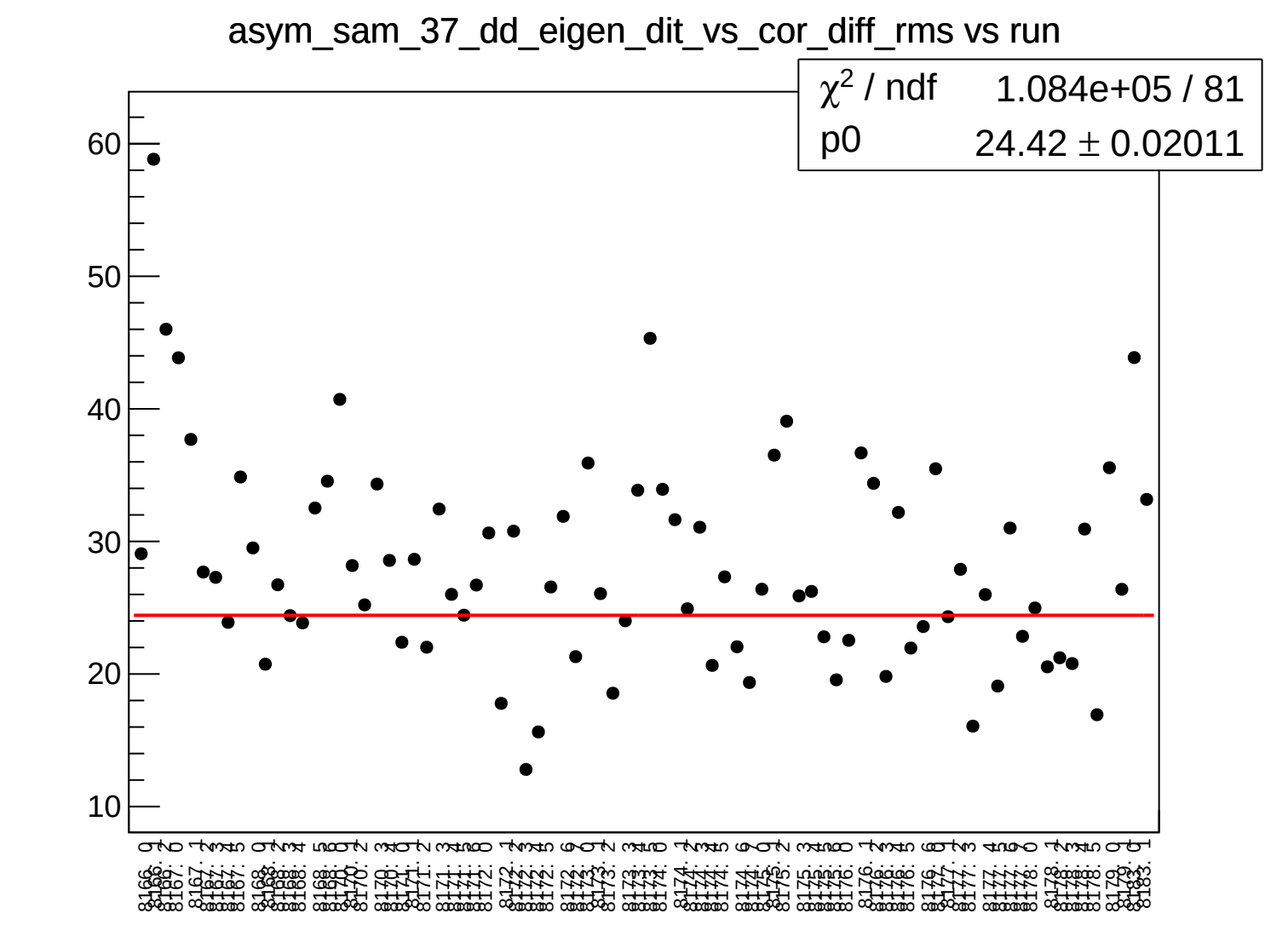

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 71.03 / 81
p0 −7.156e−07 ± 6.125e−07
pull
Entries 82
Mean −411.5
Std Dev 0

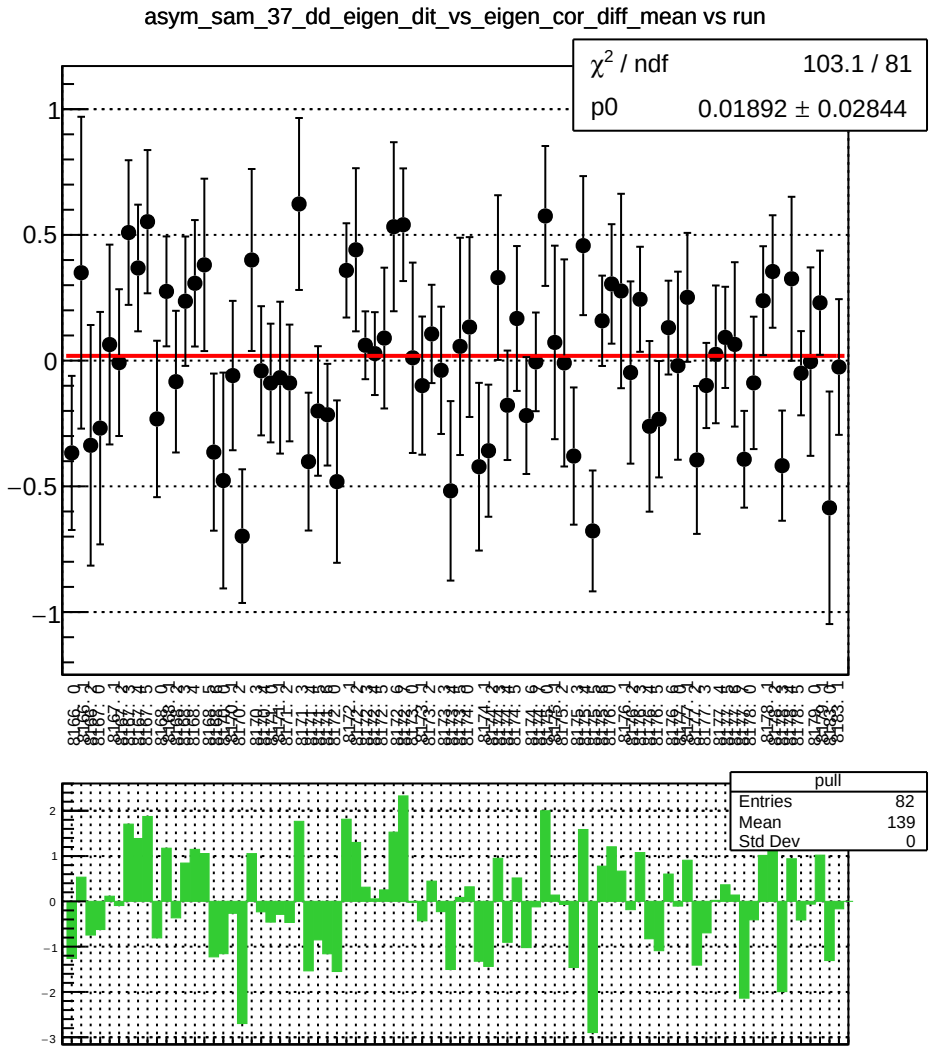

pull1D
Entries 82
Mean −0.003552
Std Dev 0.9307

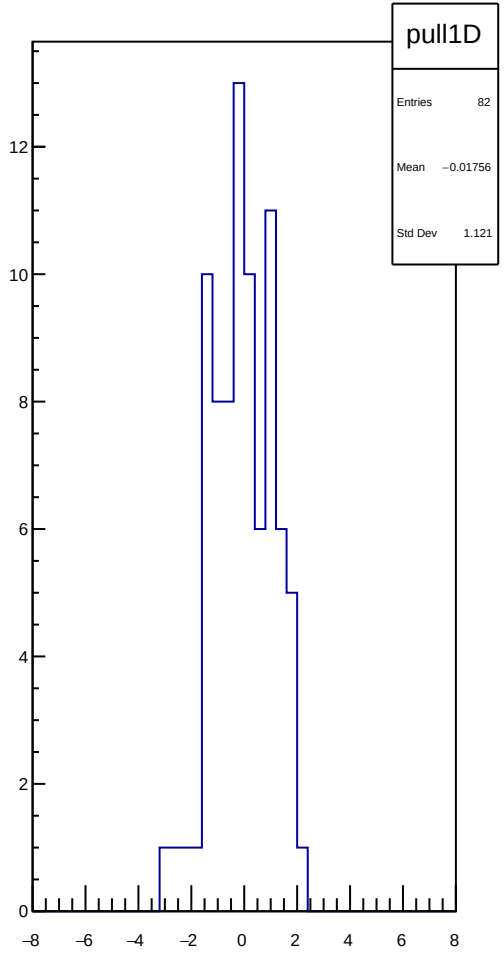

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2311 / 81
p0 0.0005446 ± 4.331e−07
0.6
0.58
0.56
0.54
0.52
0.5

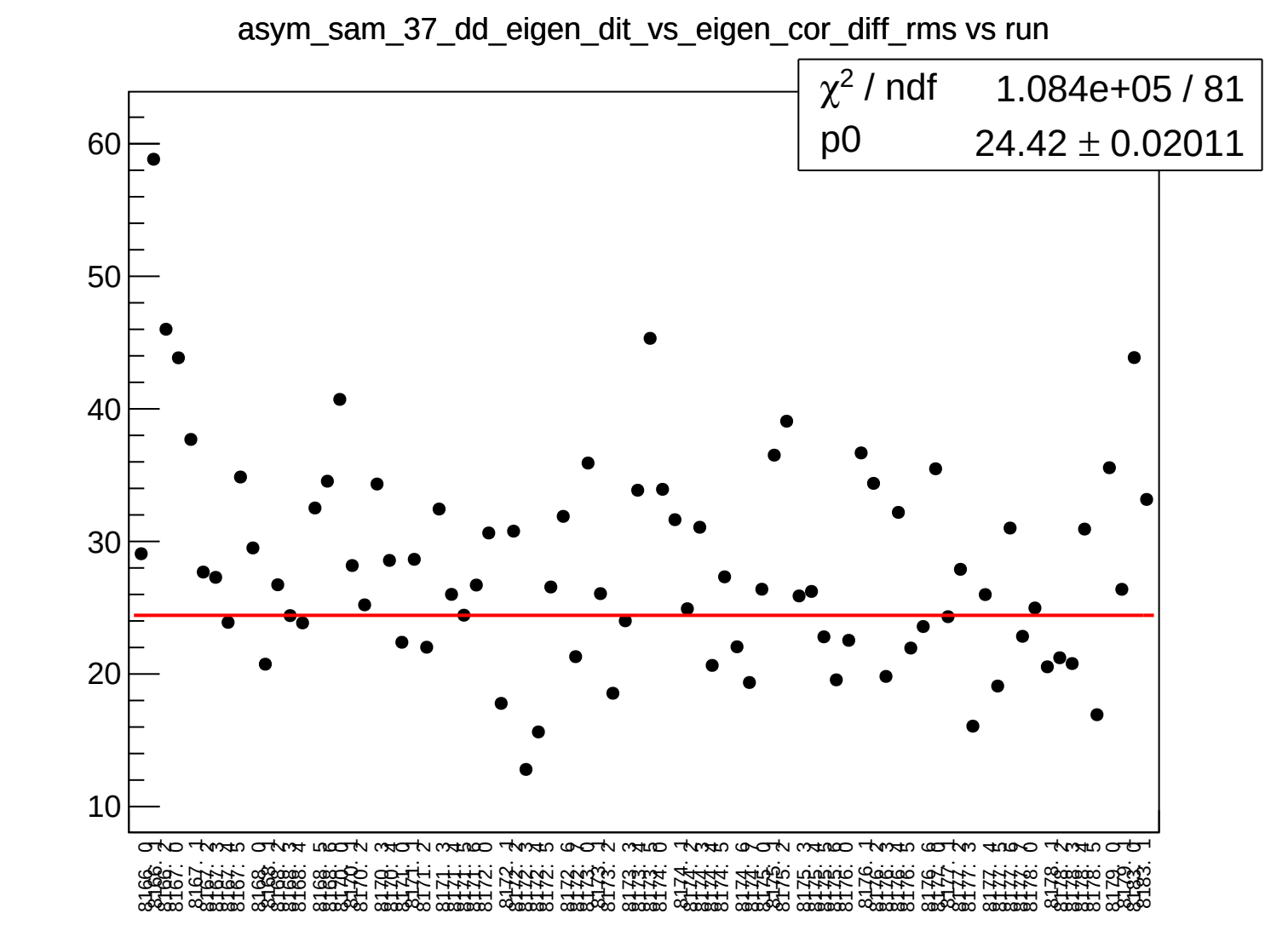

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 103.1 / 81
p0 0.01892 ± 0.02844
pull
Entries 82
Mean 139
Std Dev 0

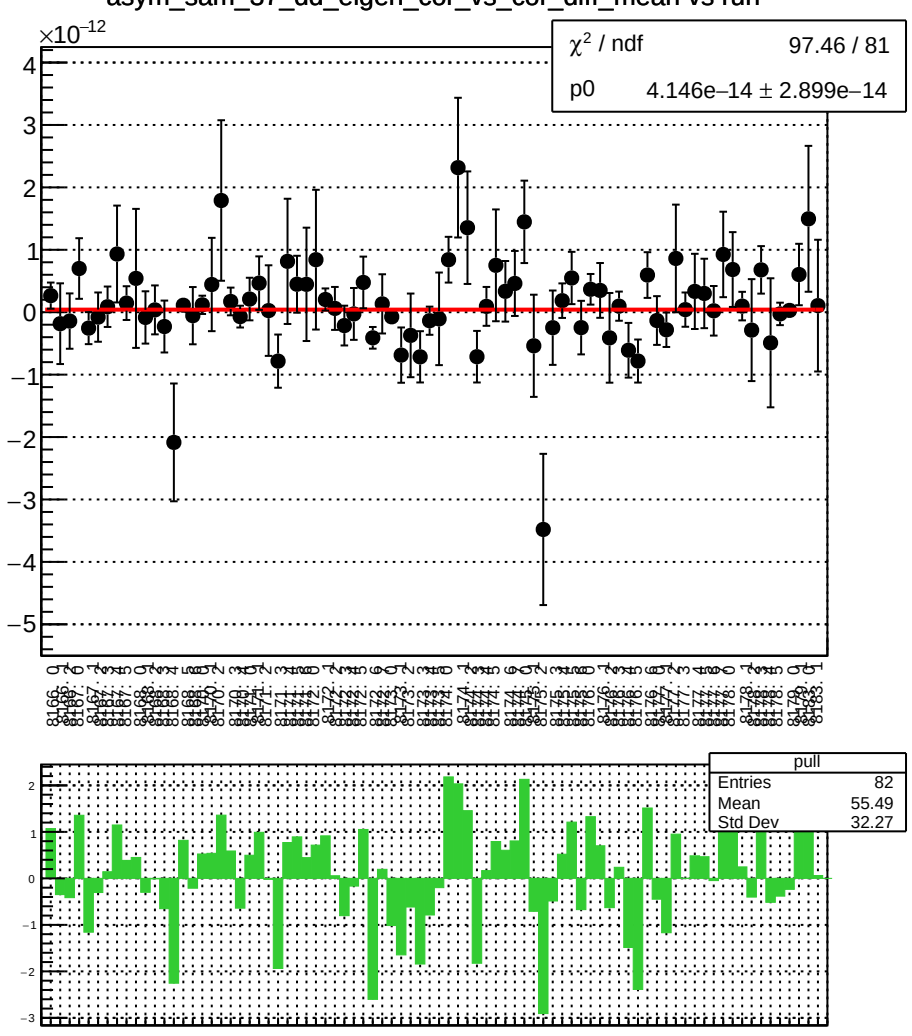

pull1D
Entries 82
Mean −0.01756
Std Dev 1.121

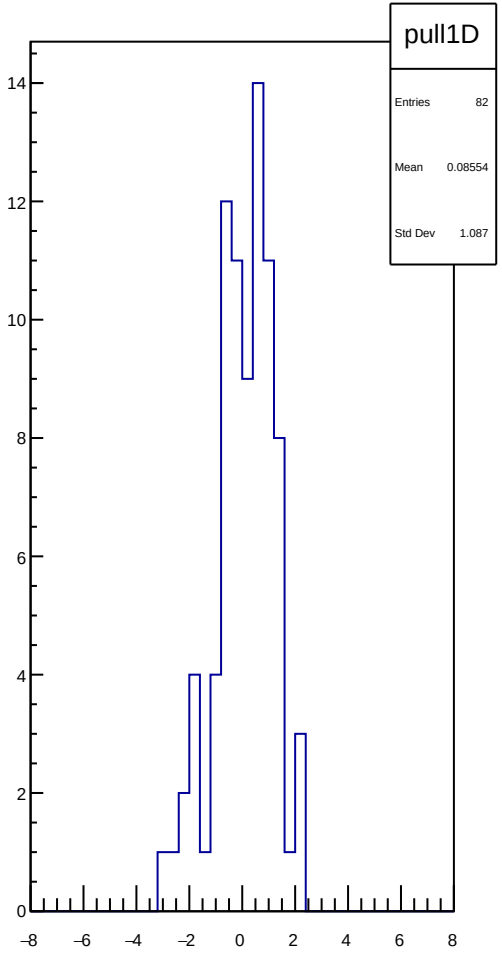

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 81
p0 24.42 ± 0.02011
60
50
40
30
20
10

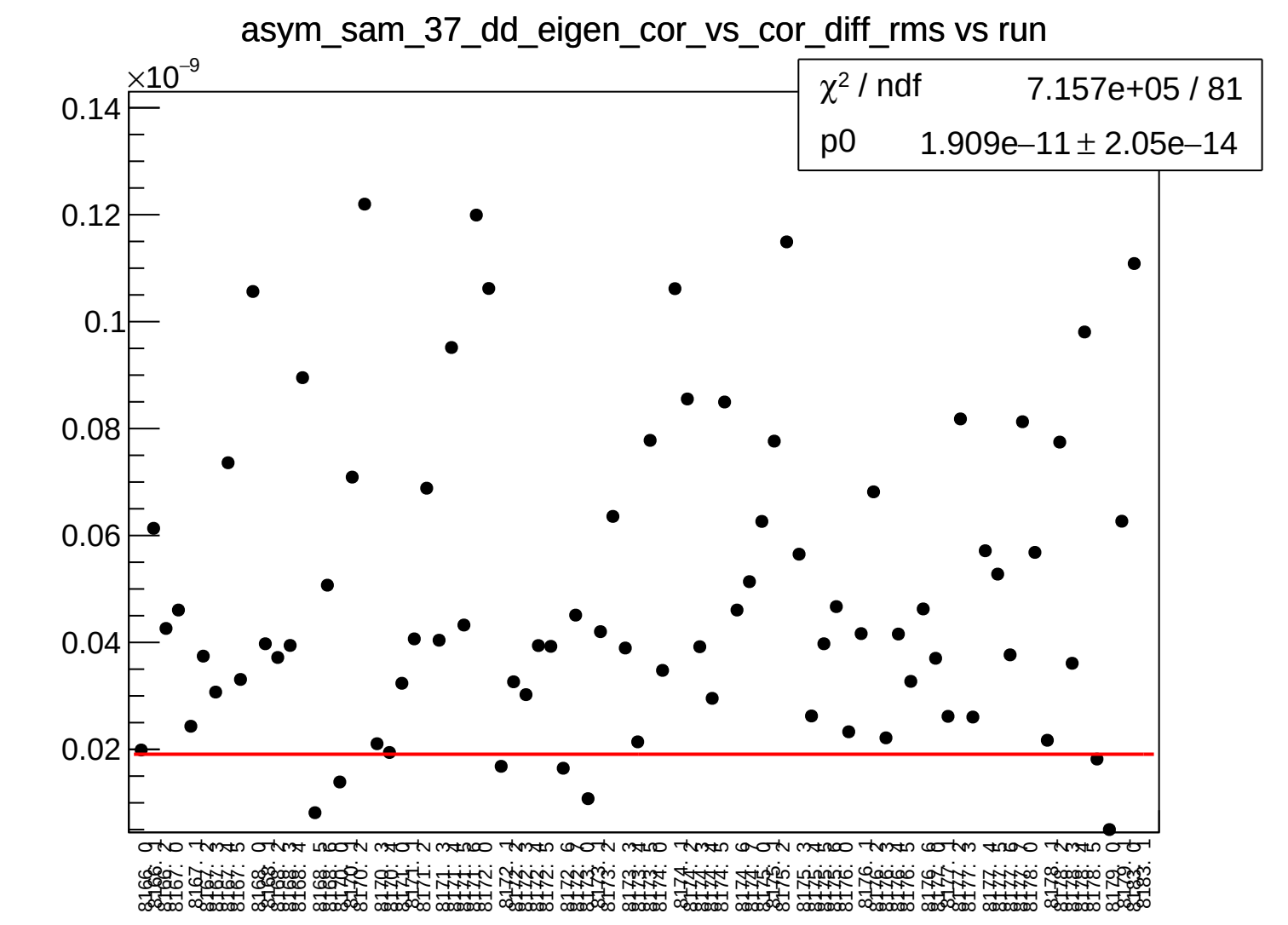

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 103.1 / 81
p0 0.01892 ± 0.02844
pull
Entries 82
Mean 139
Std Dev 0

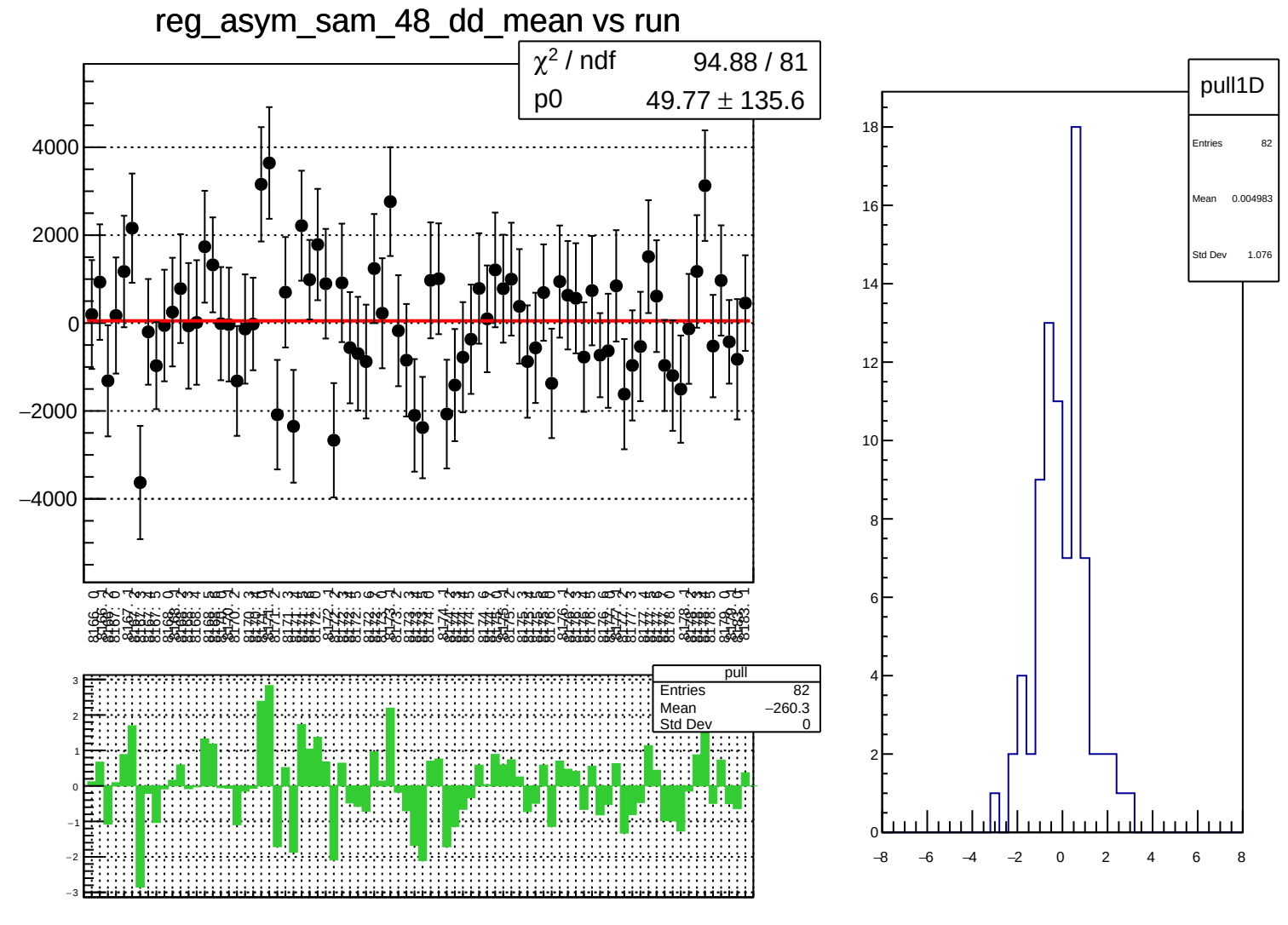

pull1D
Entries 82
Mean −0.01756
Std Dev 1.121

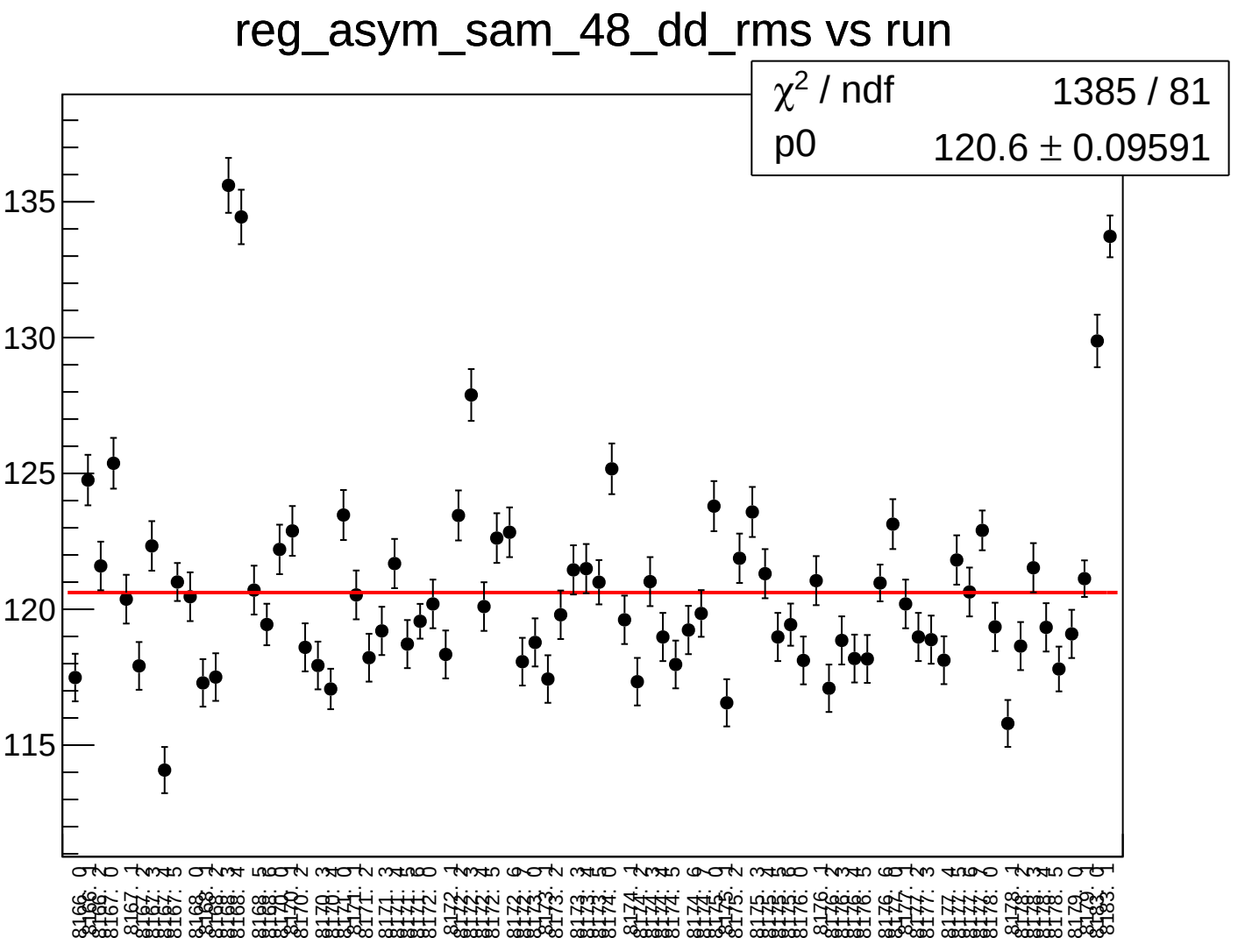

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 81
p0 24.42 ± 0.02011
60
50
40
30
20
10

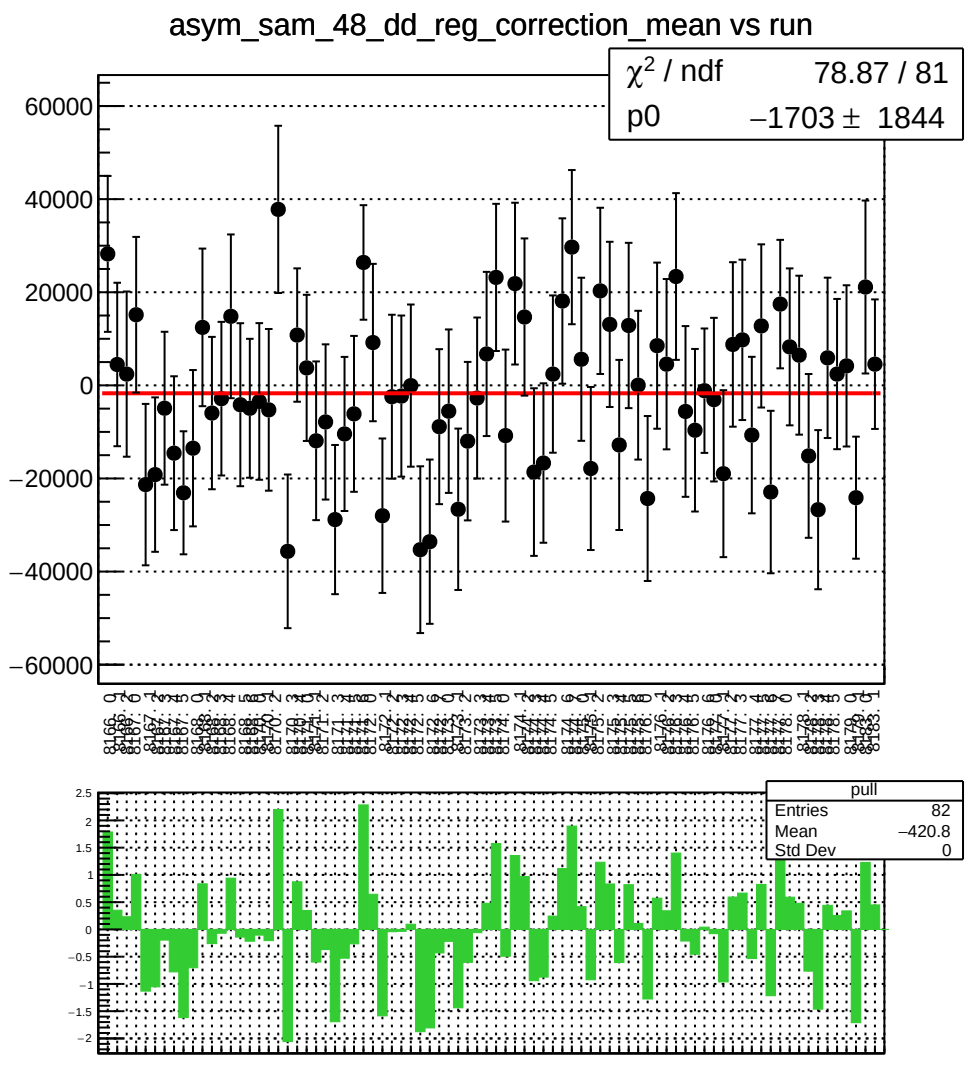

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.46 / 81
p0 4.146e−14 ± 2.899e−14
pull
Entries 82
Mean 55.49
Std Dev 32.27

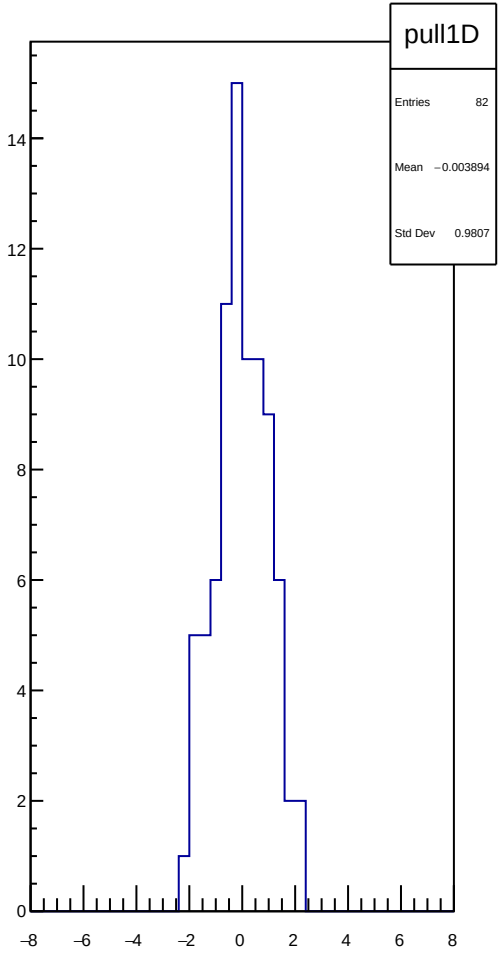

pull1D
Entries 82
Mean 0.08554
Std Dev 1.087

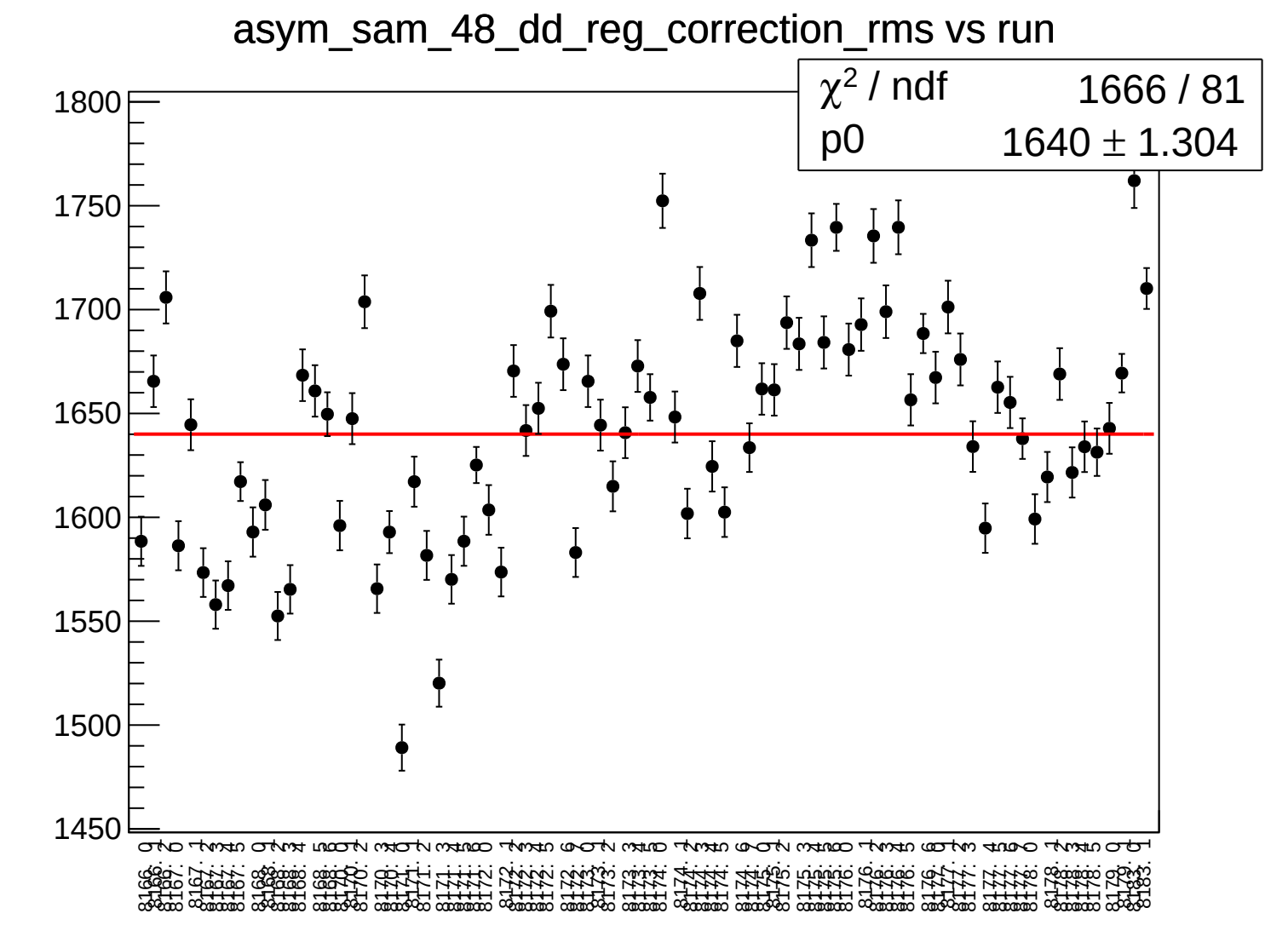

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.157e+05 / 81
p0 1.909e−11 ± 2.05e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

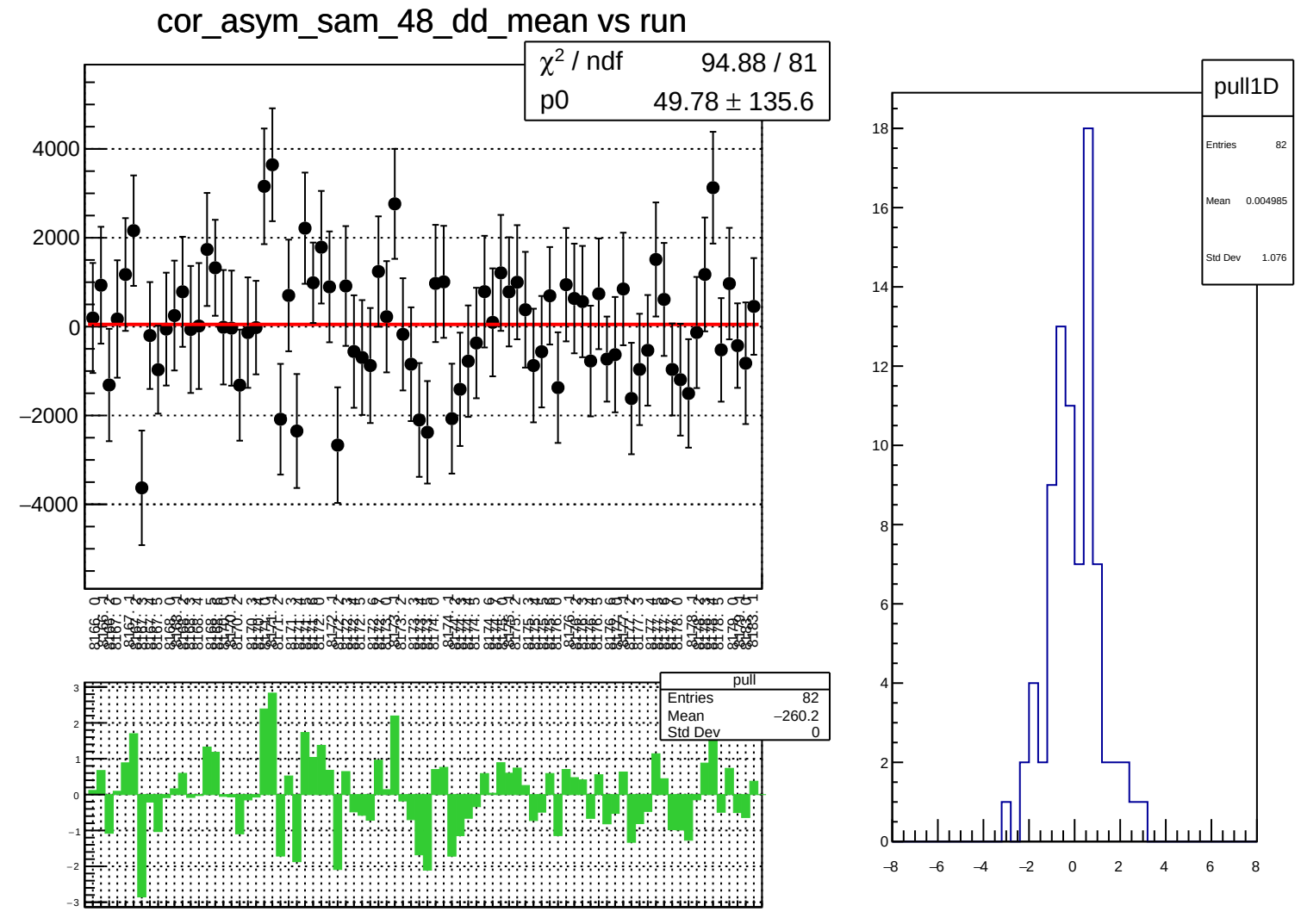

reg_asym_sam_48_dd_mean vs run
χ² / ndf 94.88 / 81
p0 49.77 ± 135.6
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −260.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.004983
Std Dev 1.076
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

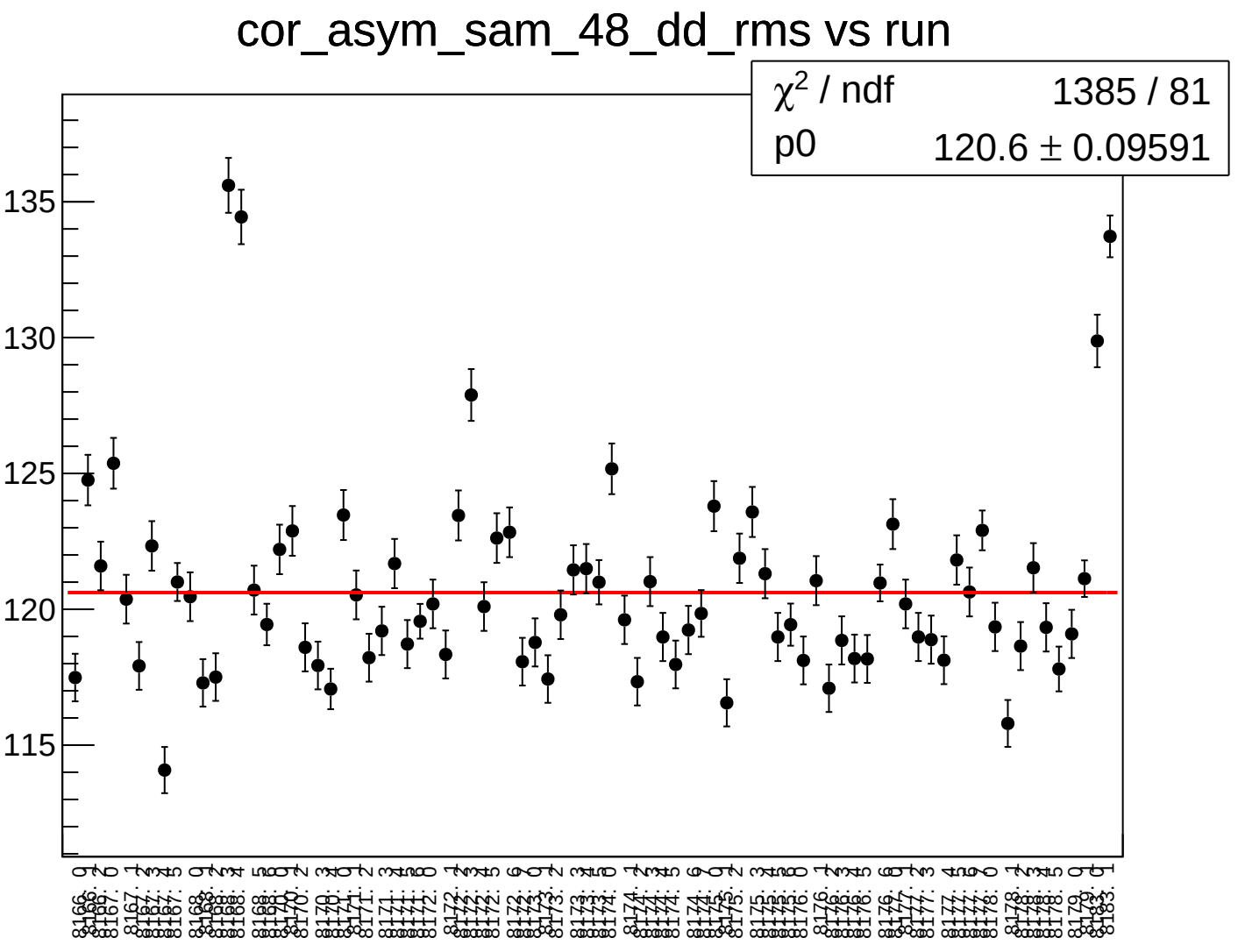

reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 1385 / 81
p0 120.6 ± 0.09591
135
130
125
120
115

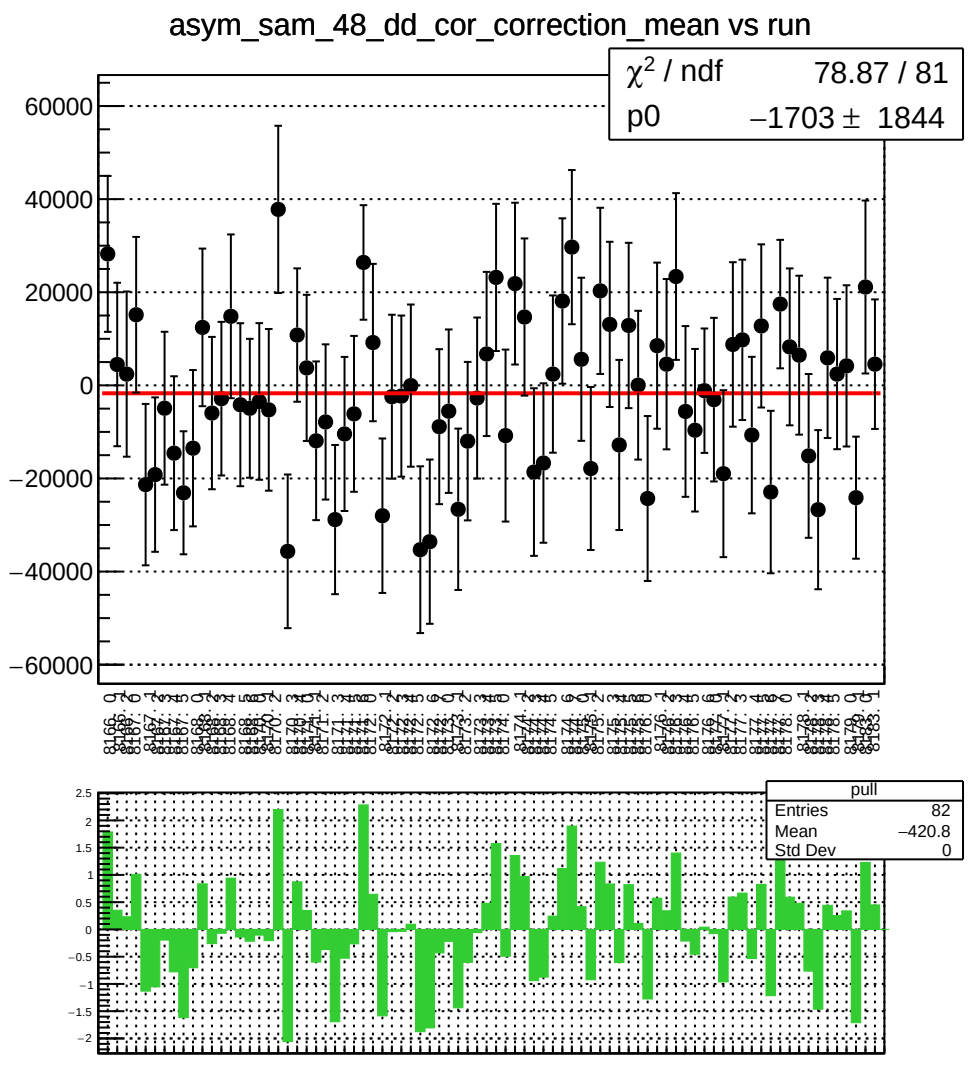

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 78.87 / 81
p0 −1703 ± 1844
pull
Entries 82
Mean −420.8
Std Dev 0

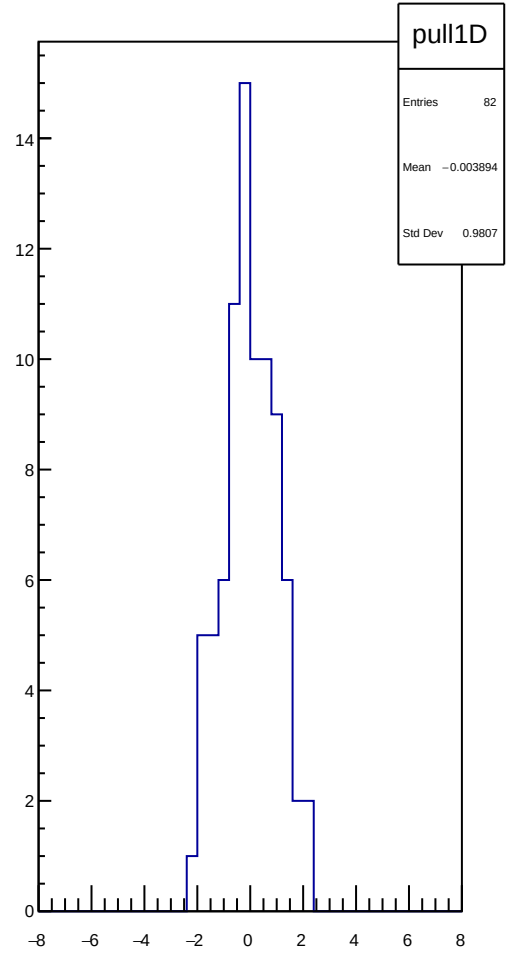

pull1D
Entries 82
Mean −0.003894
Std Dev 0.9807

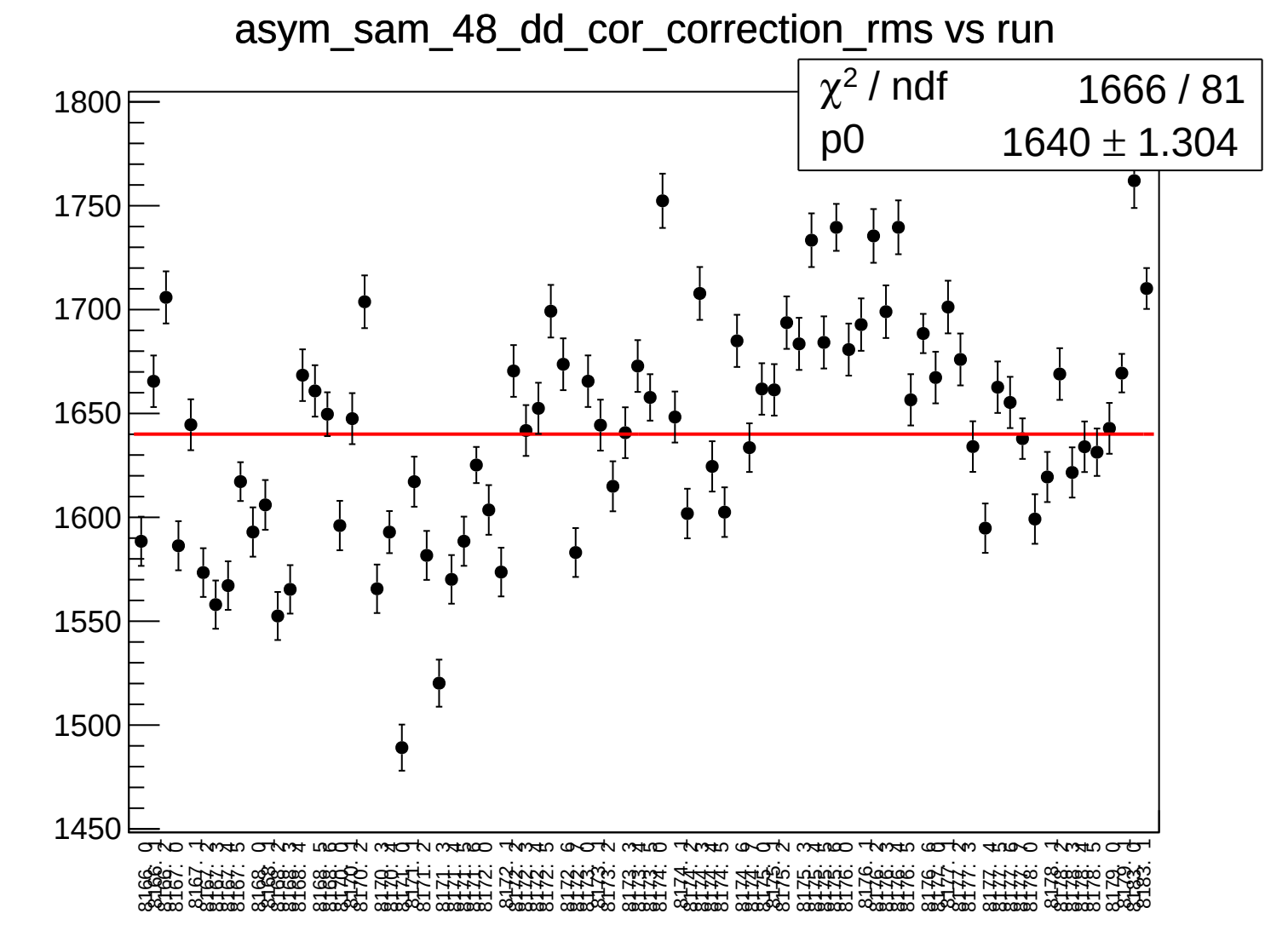

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1666 / 81
p0 1640 ± 1.304
1800
1750
1700
1650
1600
1550
1500
1450

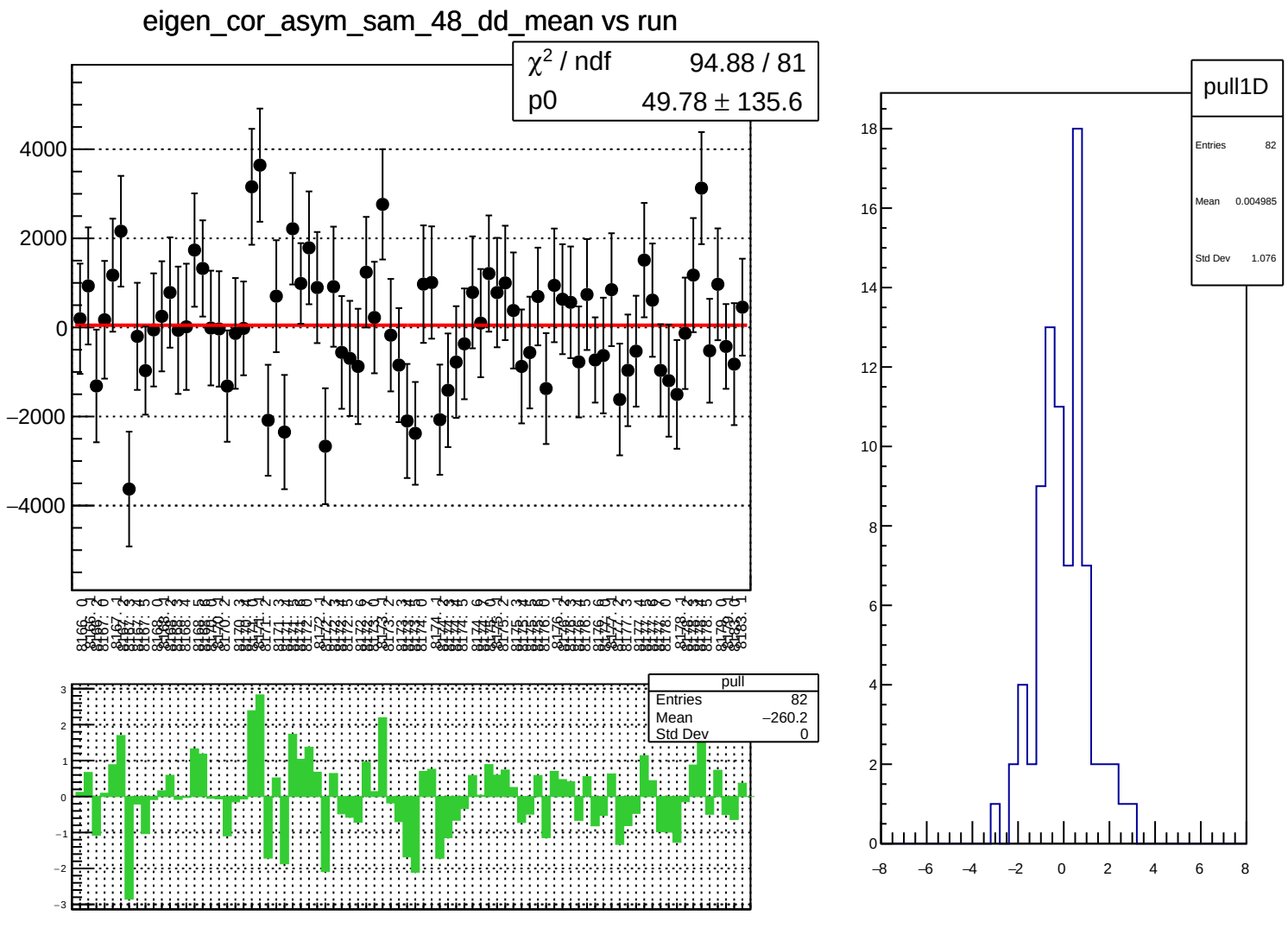

cor_asym_sam_48_dd_mean vs run
χ² / ndf 94.88 / 81
p0 49.78 ± 135.6
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −260.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.004985
Std Dev 1.076
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

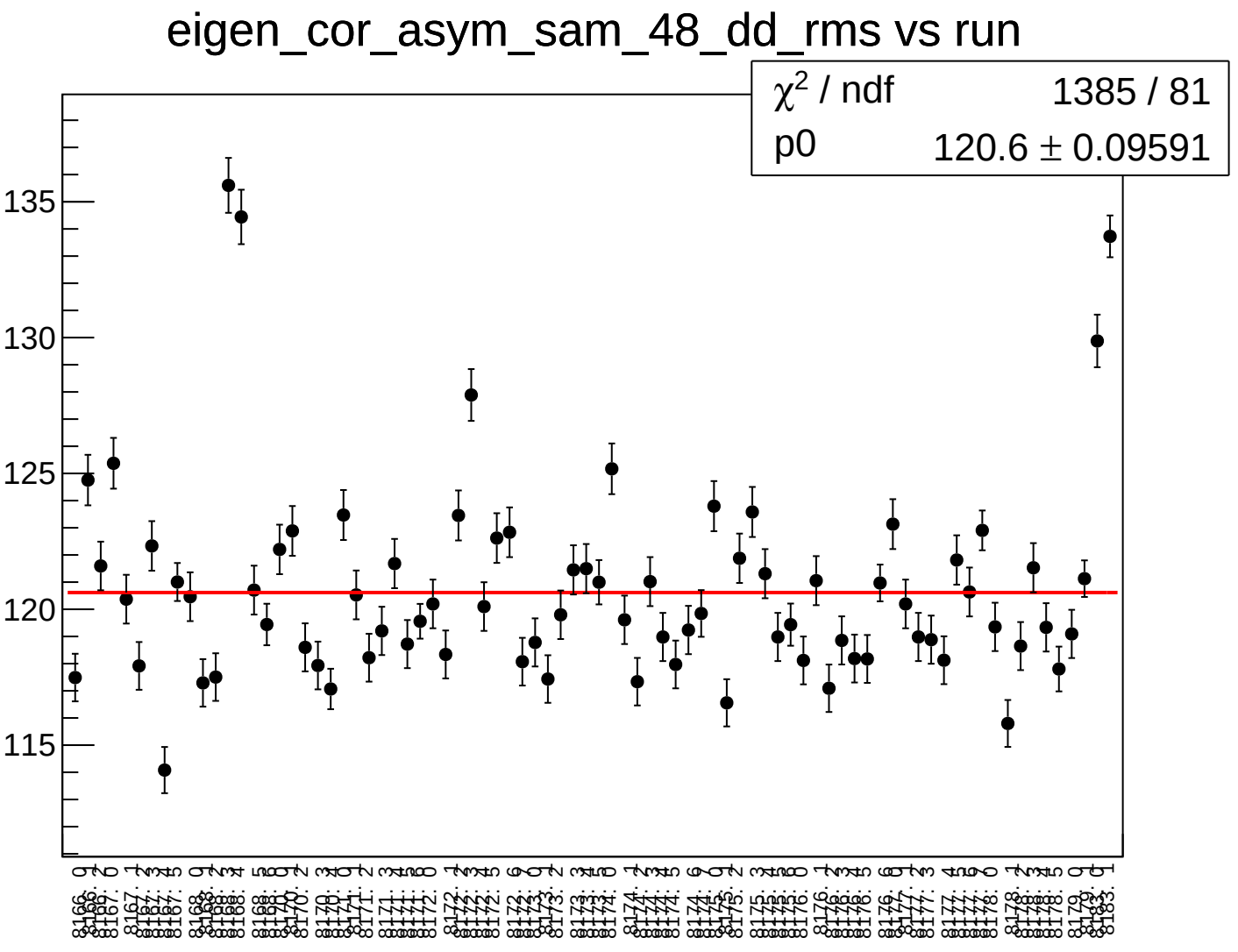

cor_asym_sam_48_dd_rms vs run
χ^2 / ndf 1385 / 81
p0 120.6 ± 0.09591
135
130
125
120
115

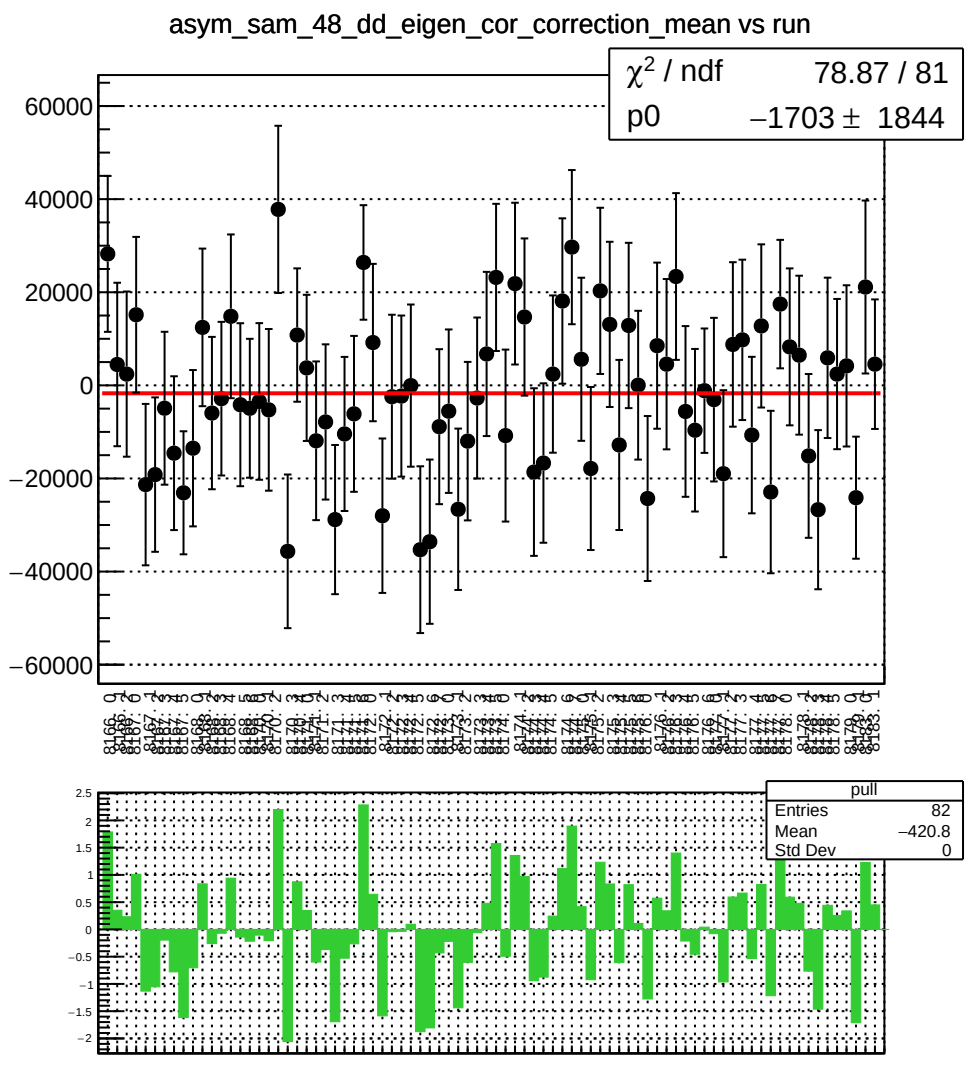

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 78.87 / 81
p0 −1703 ± 1844
pull
Entries 82
Mean −420.8
Std Dev 0

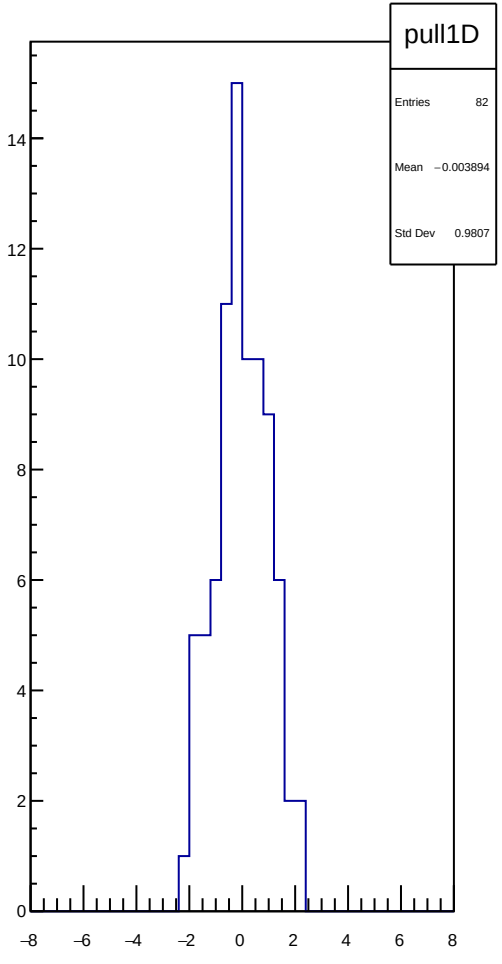

pull1D
Entries 82
Mean −0.003894
Std Dev 0.9807

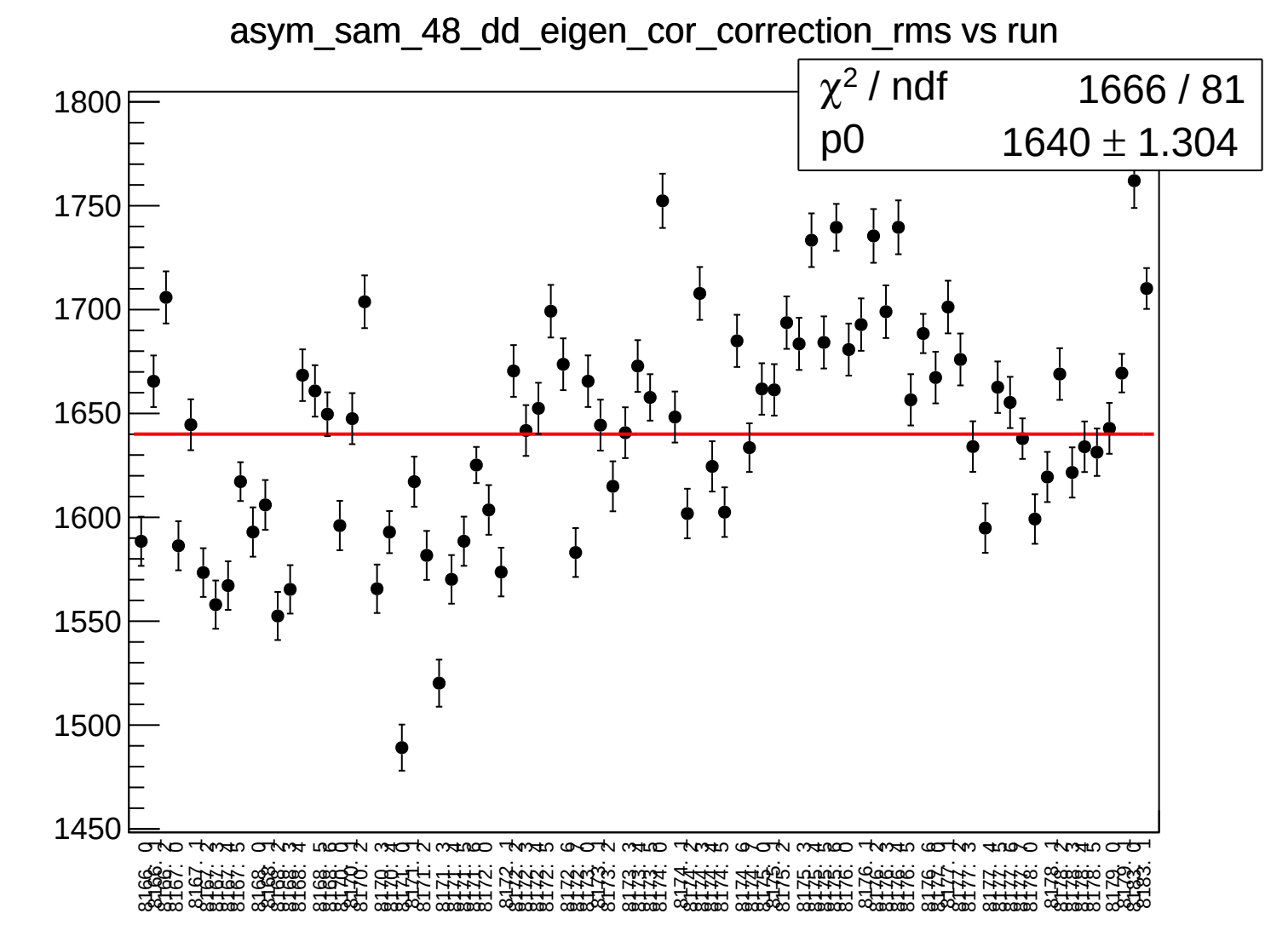

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1666 / 81
p0 1640 ± 1.304
1800
1750
1700
1650
1600
1550
1500
1450

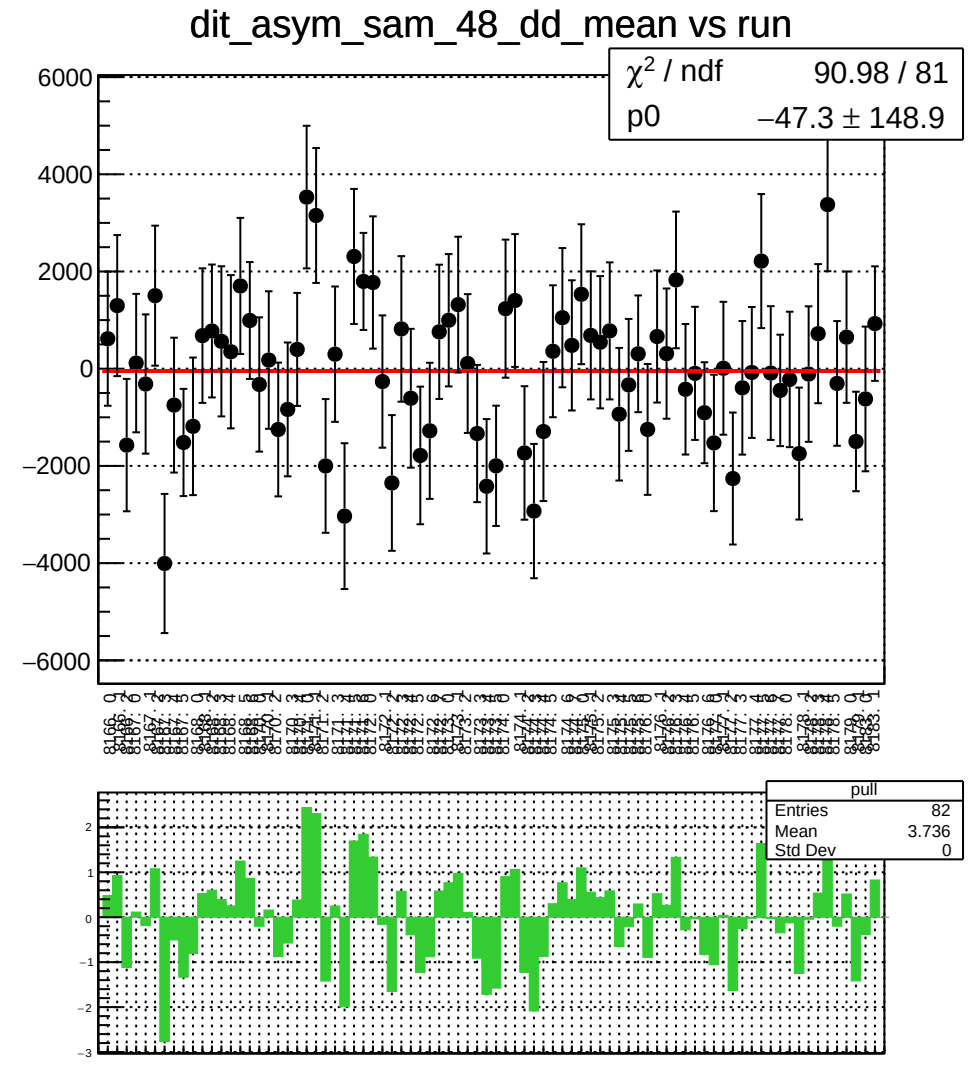

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 94.88 / 81
p0 49.78 ± 135.6
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −260.2
Std Dev 0
pull1D
Entries 82
Mean 0.004985
Std Dev 1.076

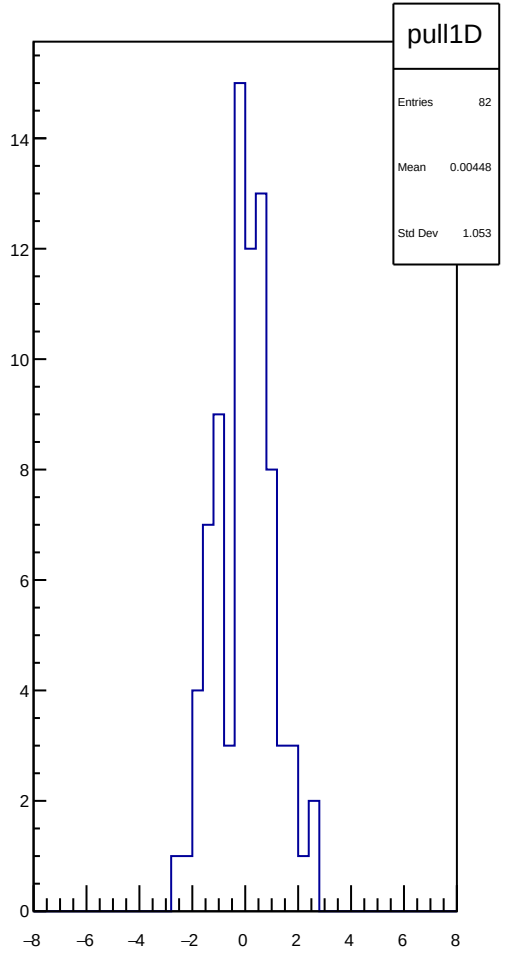

eigen_cor_asym_sam_48_dd_rms vs run
χ^2 / ndf 1385 / 81
p0 120.6 ± 0.09591
135
130
125
120
115

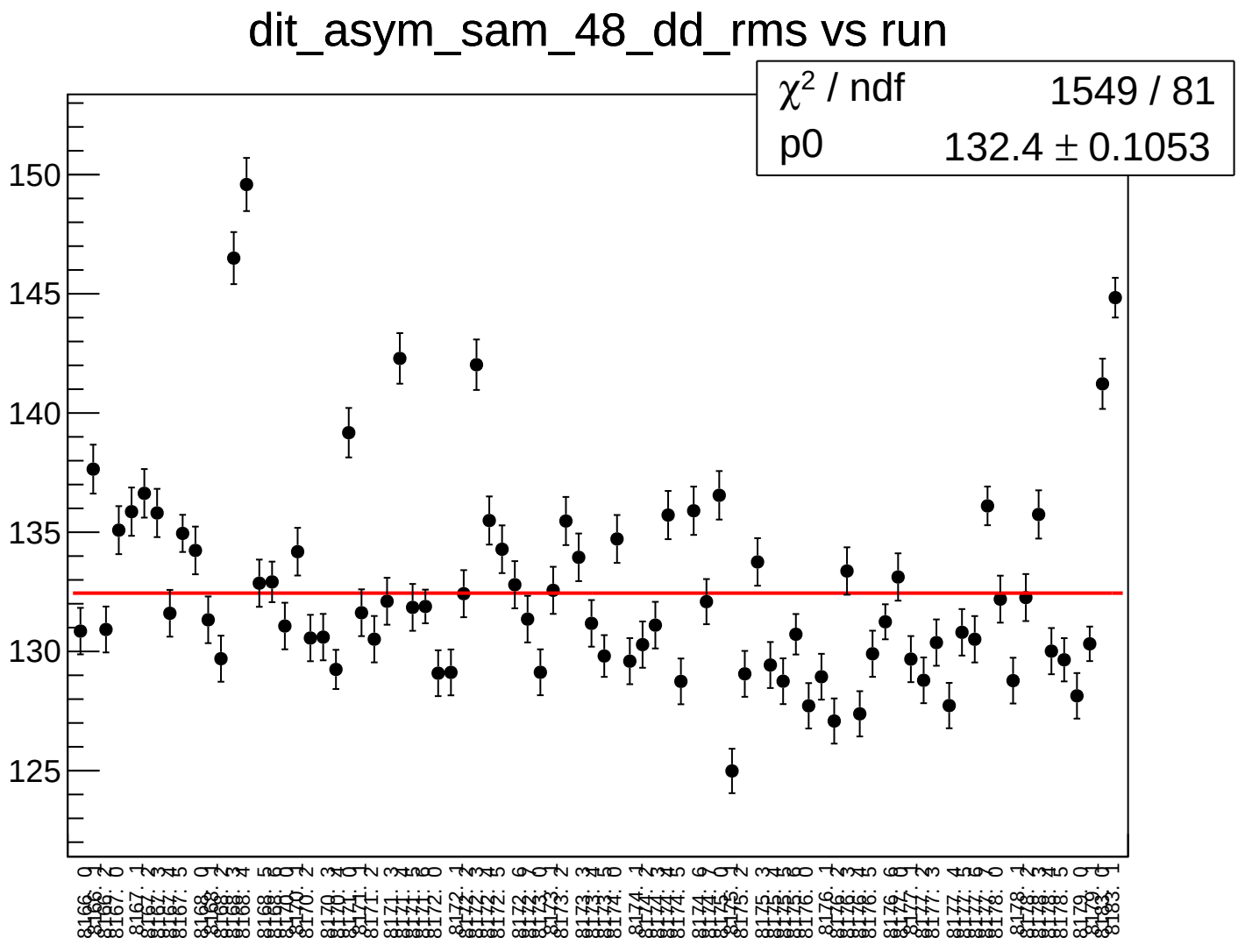

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.87 / 81
p0 −1703 ± 1844
pull
Entries 82
Mean −420.8
Std Dev 0

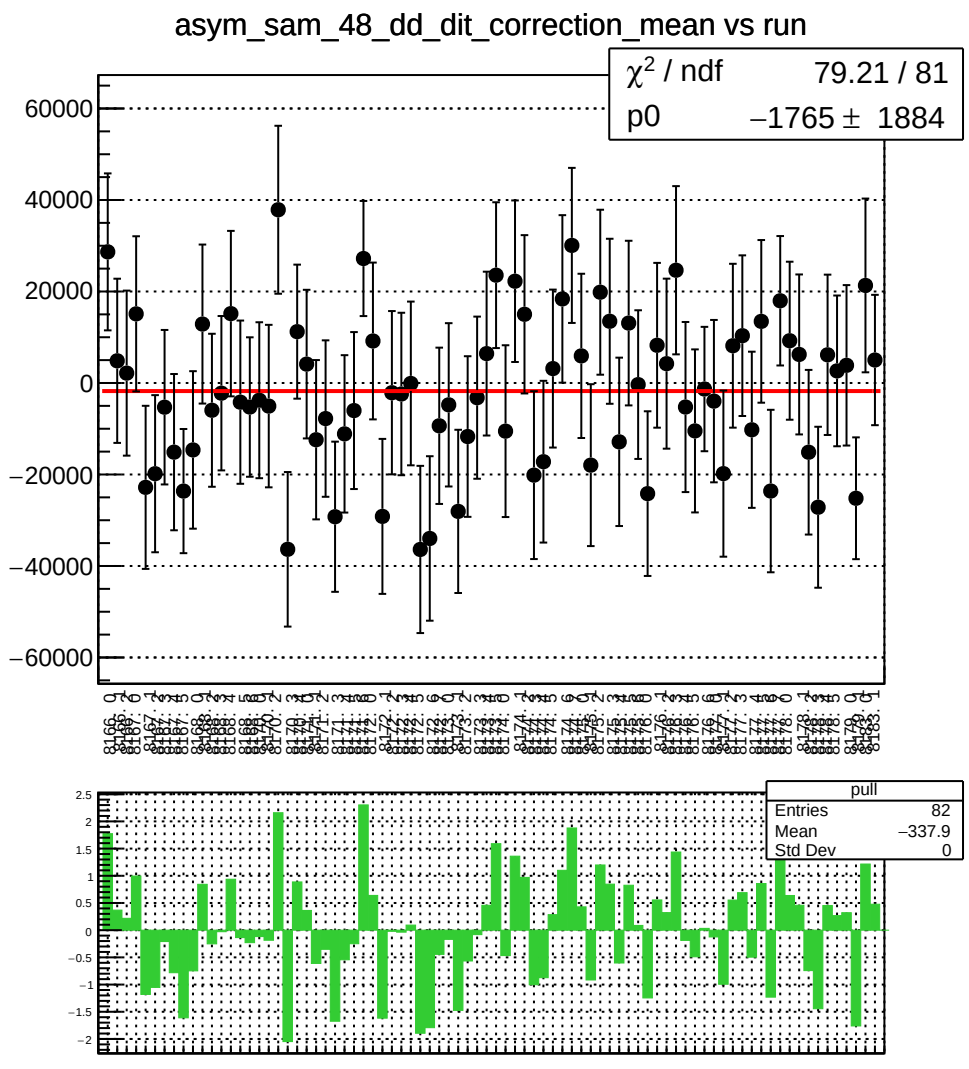

pull1D
Entries 82
Mean −0.003894
Std Dev 0.9807

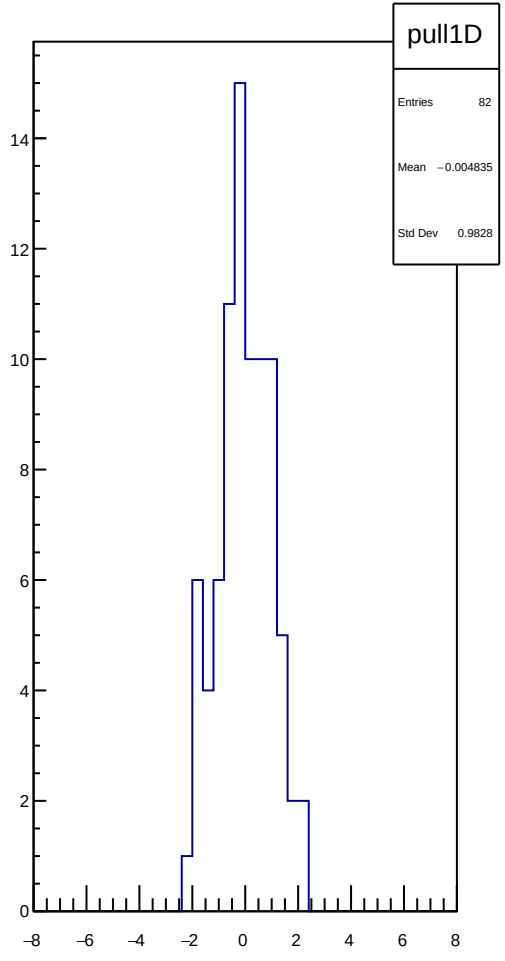

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1666 / 81
p0 1640 ± 1.304
1800
1750
1700
1650
1600
1550
1500
1450

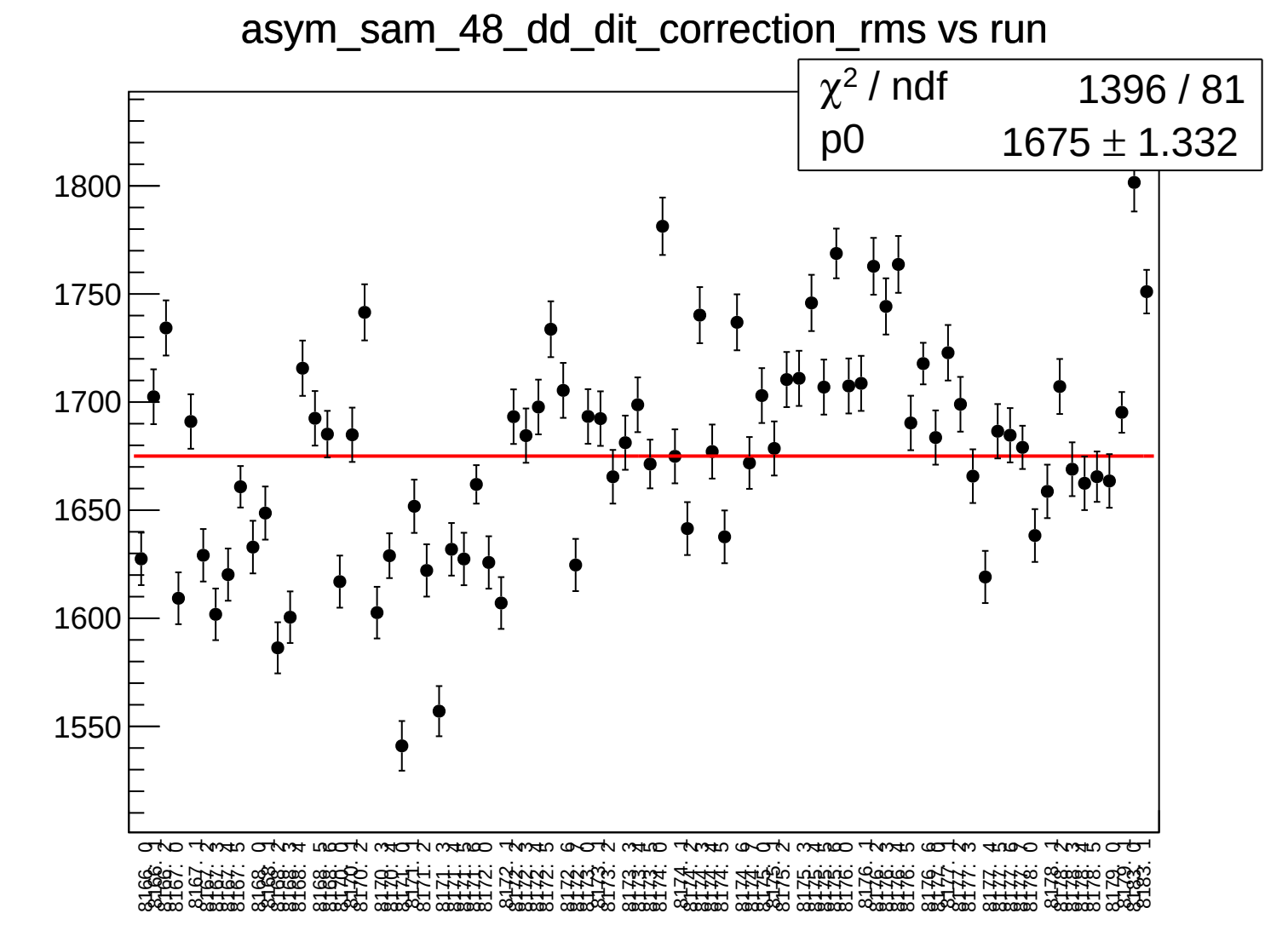

dit_asym_sam_48_dd_mean vs run
χ² / ndf 90.98 / 81
p0 −47.3 ± 148.9
pull
Entries 82
Mean 3.736
Std Dev 0

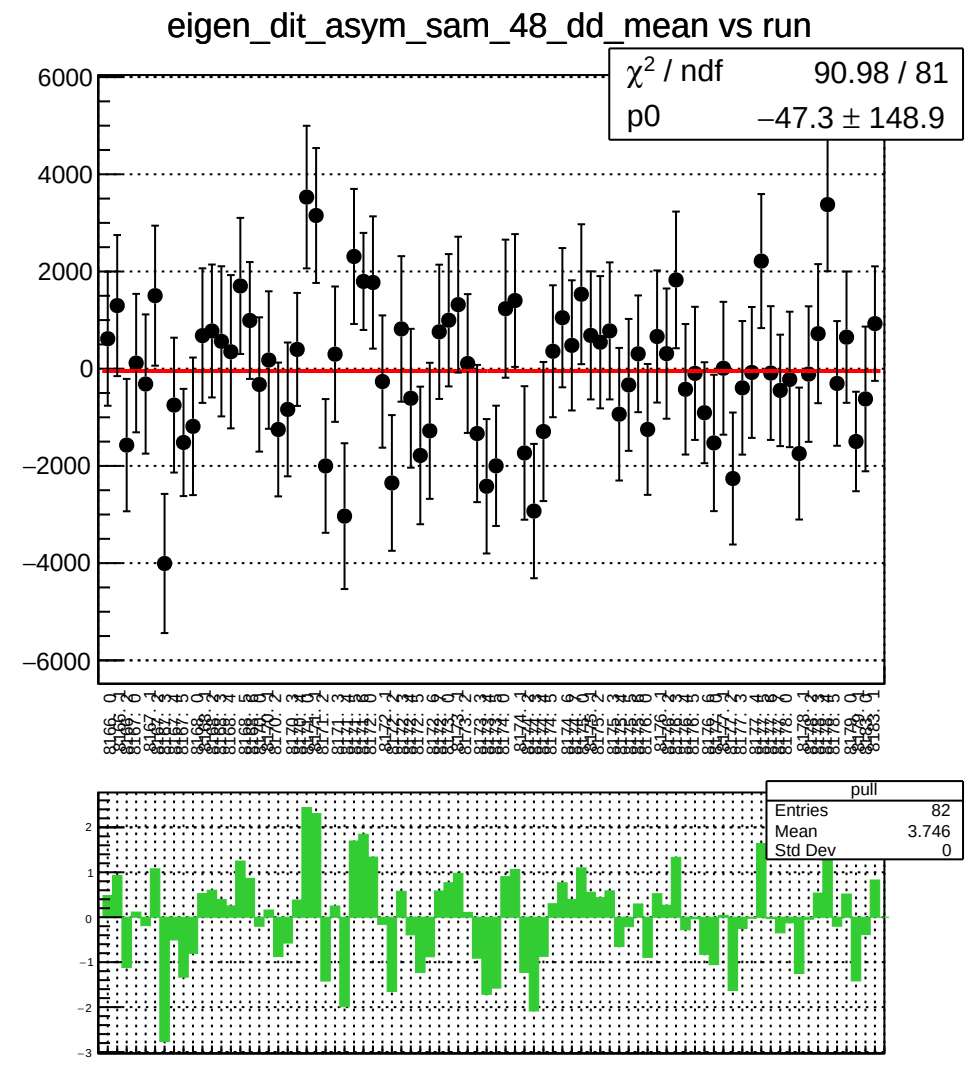

pull1D
Entries 82
Mean 0.00448
Std Dev 1.053

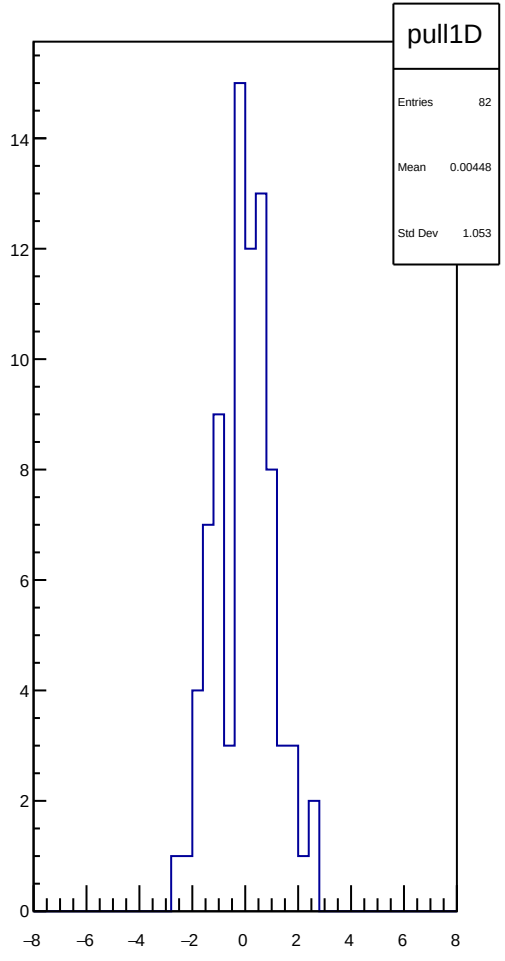

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1549 / 81
p0 132.4 ± 0.1053
150
145
140
135
130
125

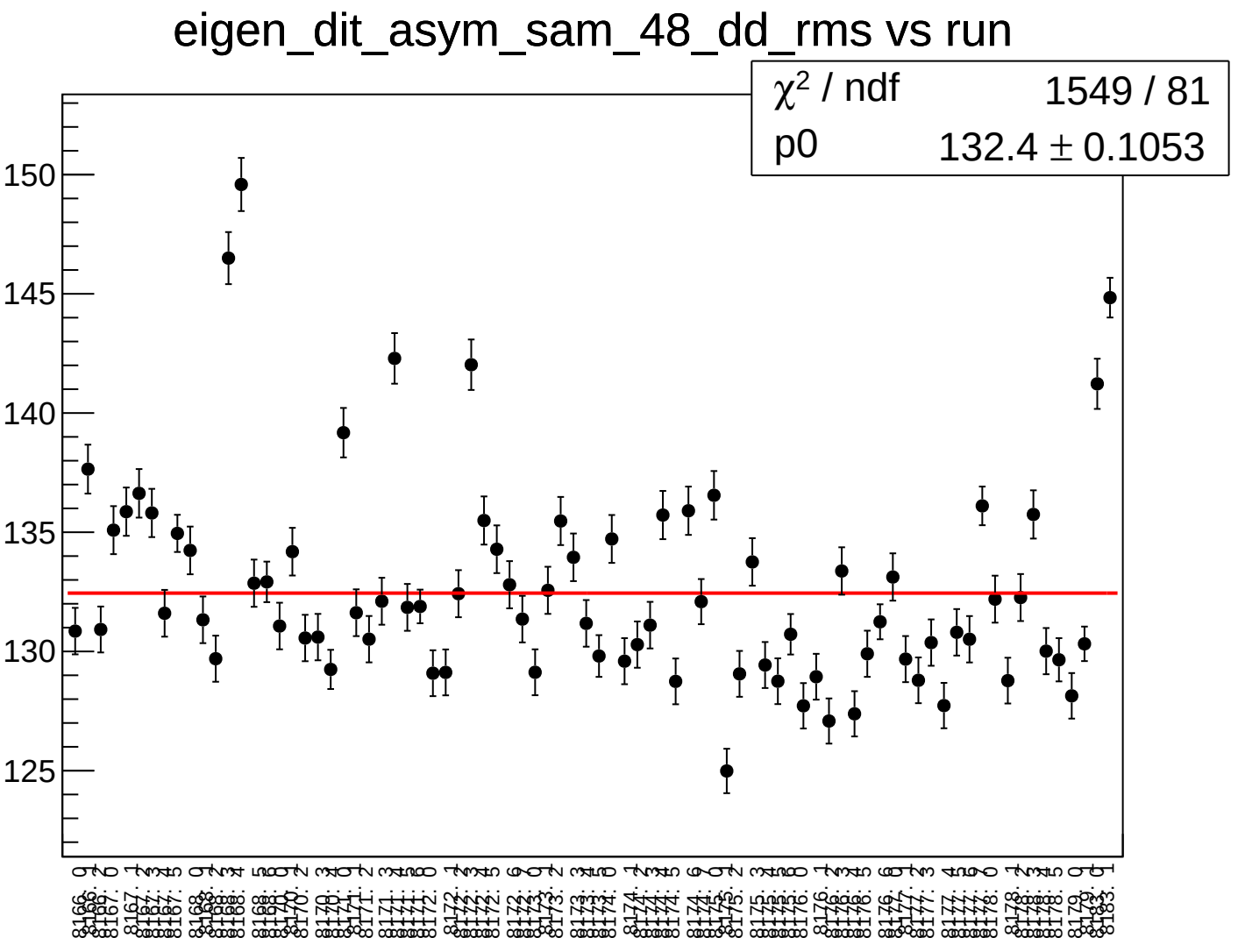

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 79.21 / 81
p0 −1765 ± 1884
pull
Entries 82
Mean −337.9
Std Dev 0

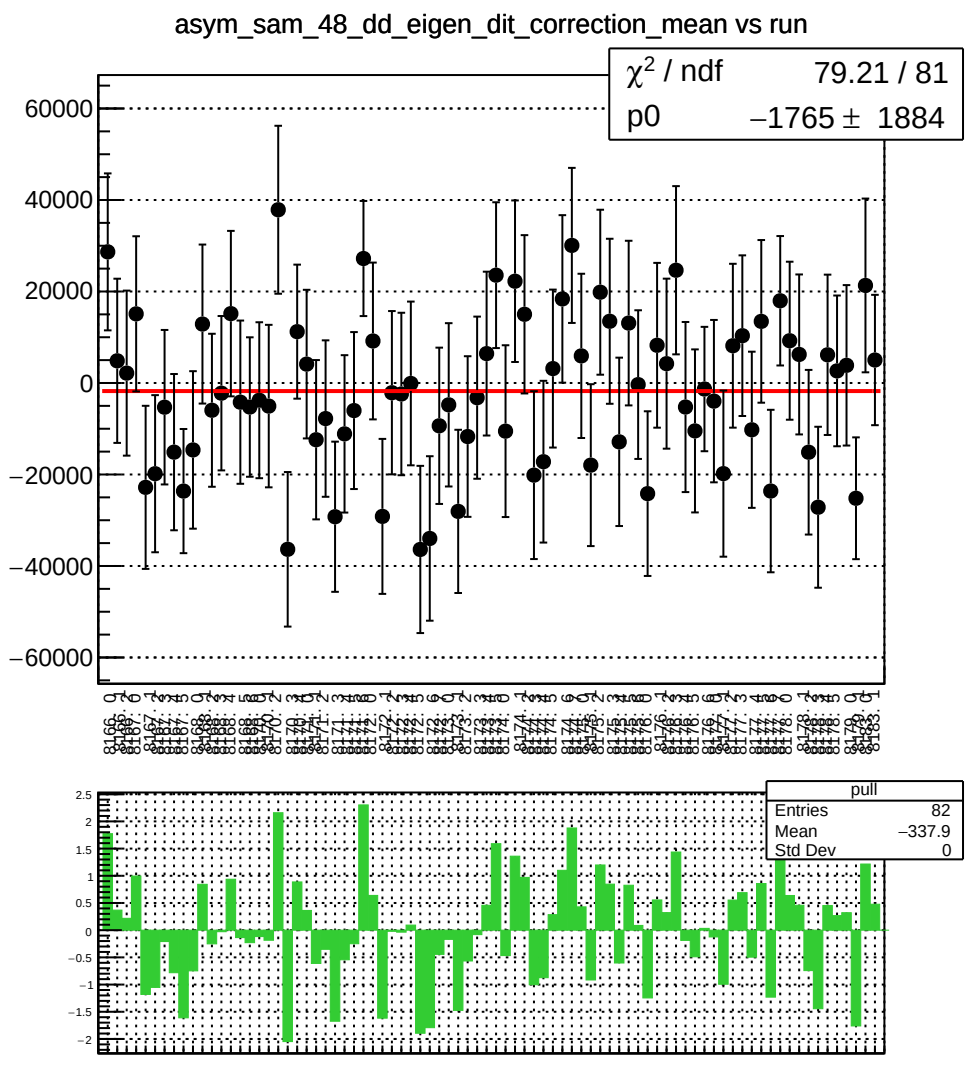

pull1D
Entries 82
Mean −0.004835
Std Dev 0.9828

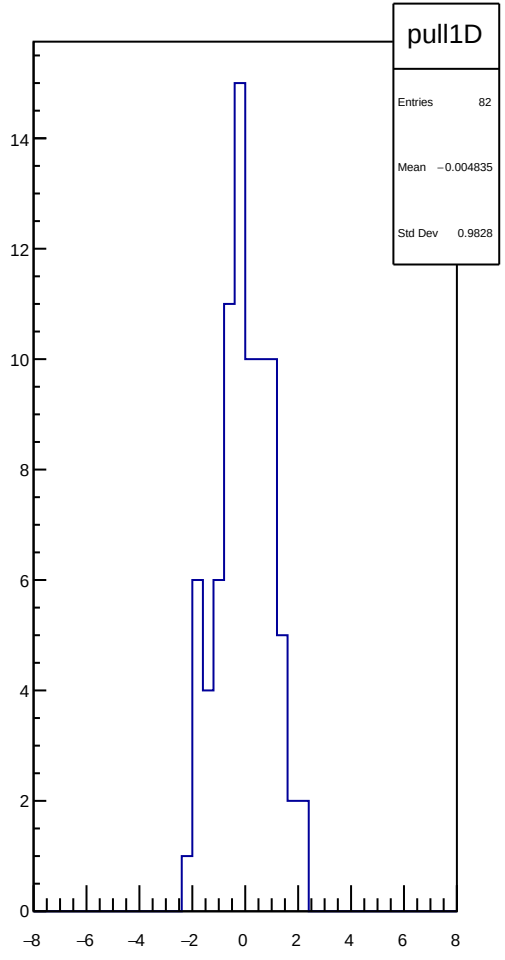

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1396 / 81
p0 1675 ± 1.332
1800
1750
1700
1650
1600
1550

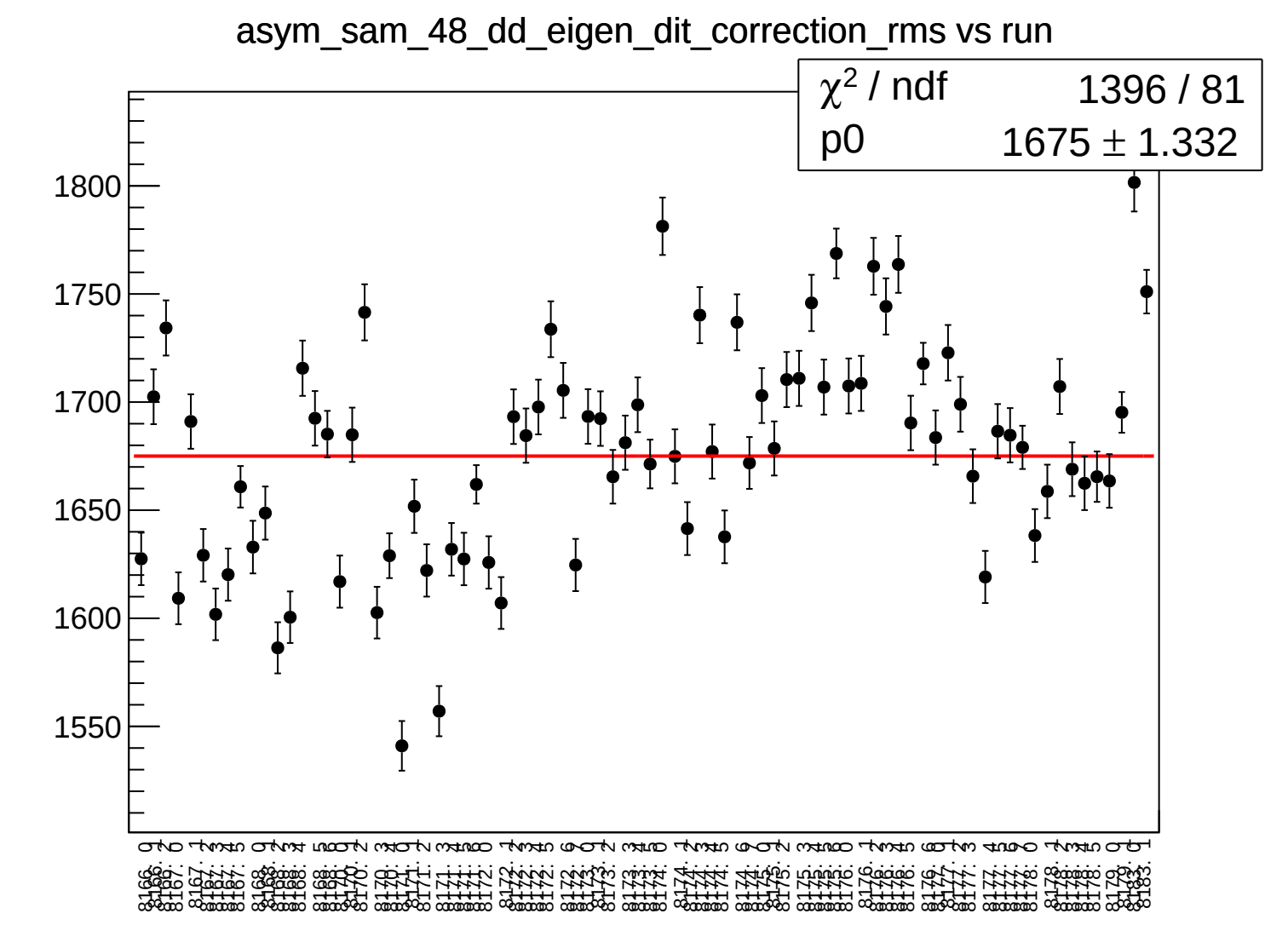

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 90.98 / 81
p0 −47.3 ± 148.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 3.746
Std Dev 0
2
1
0
−1
−2
−3

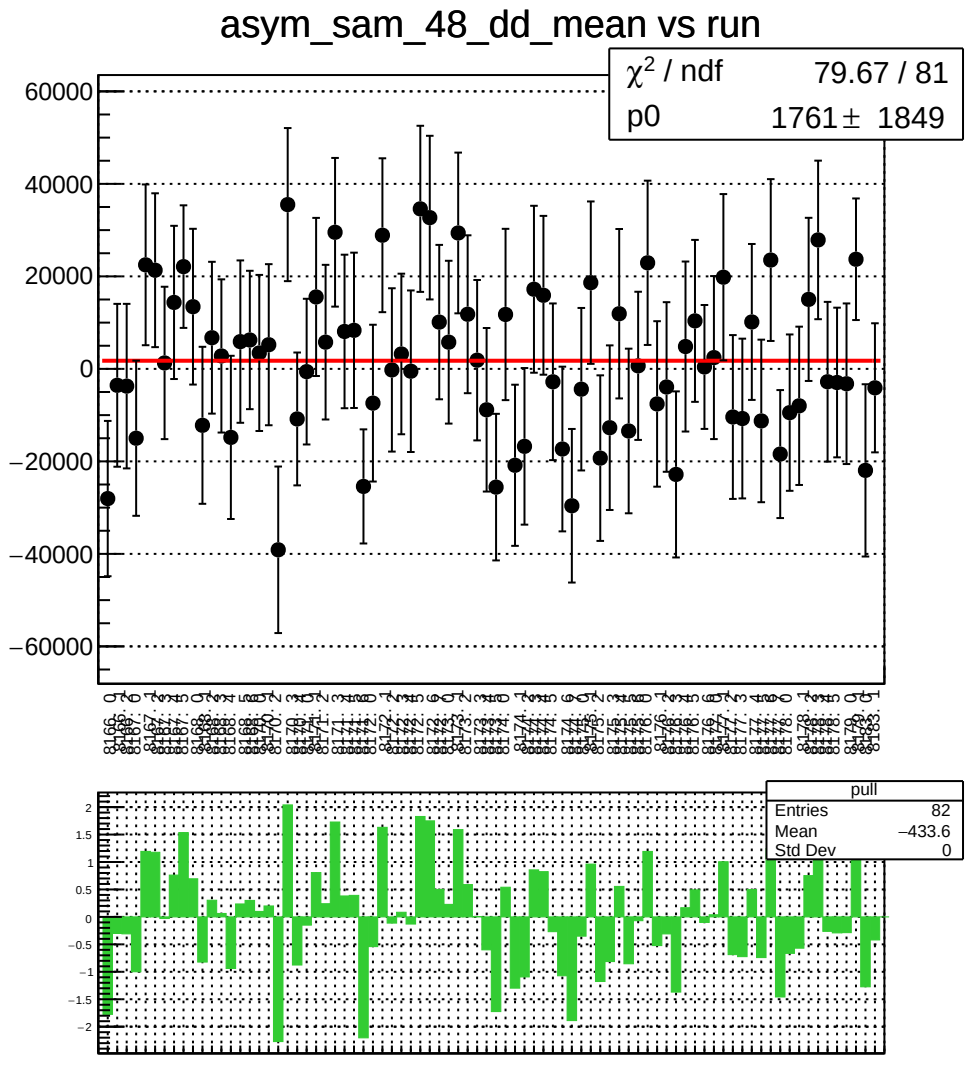

pull1D
Entries 82
Mean 0.00448
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

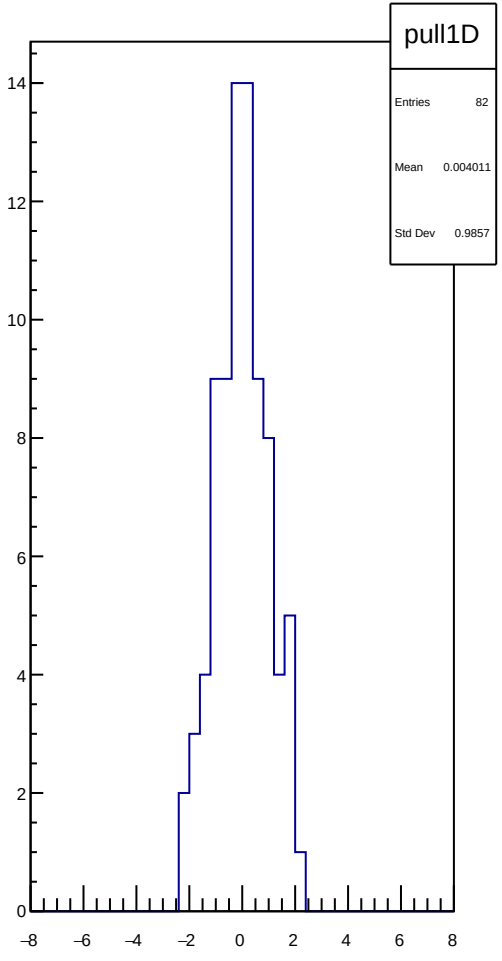

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 1549 / 81
p0 132.4 ± 0.1053
150
145
140
135
130
125

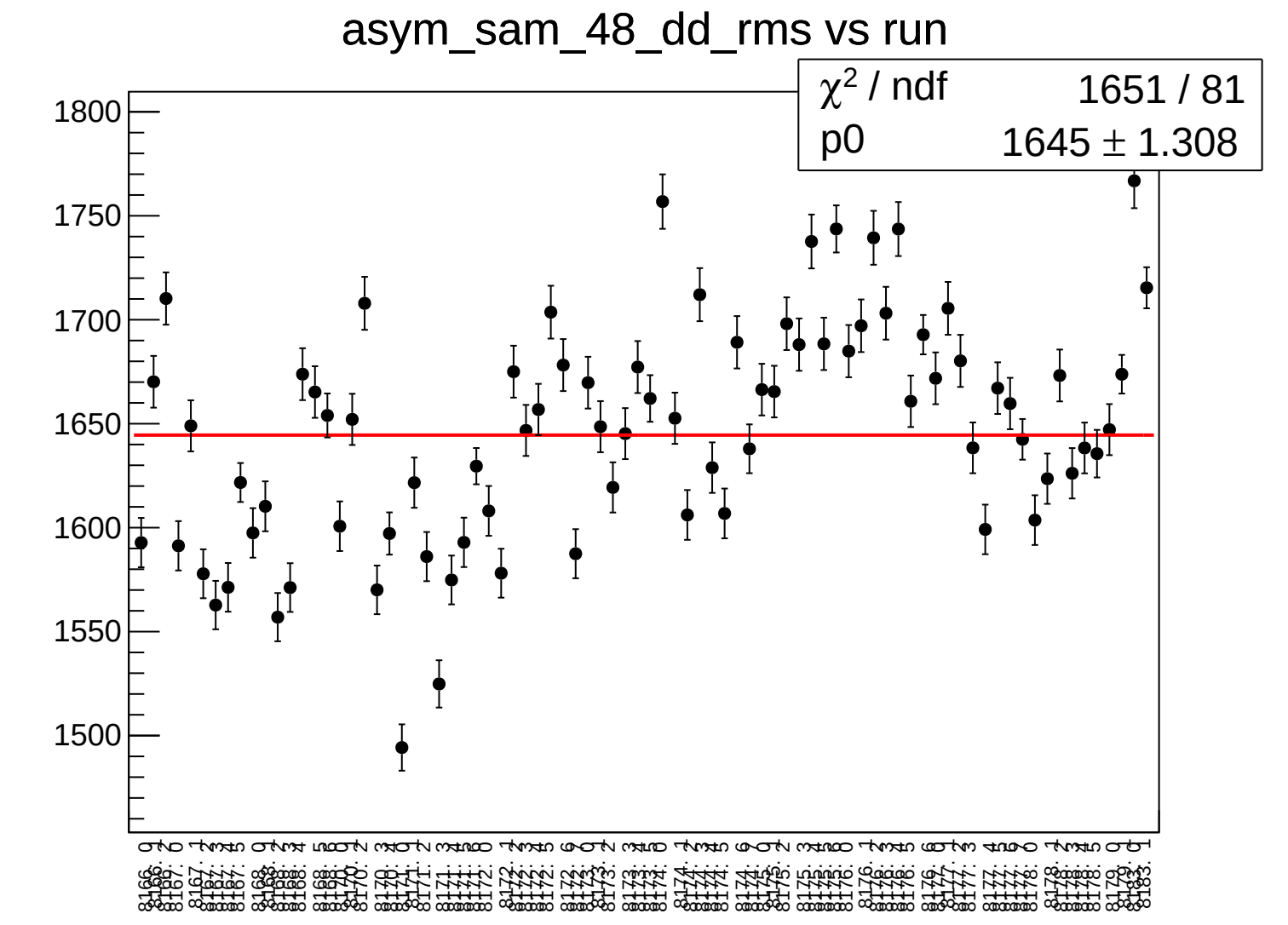

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.21 / 81
p0 −1765 ± 1884
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −337.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

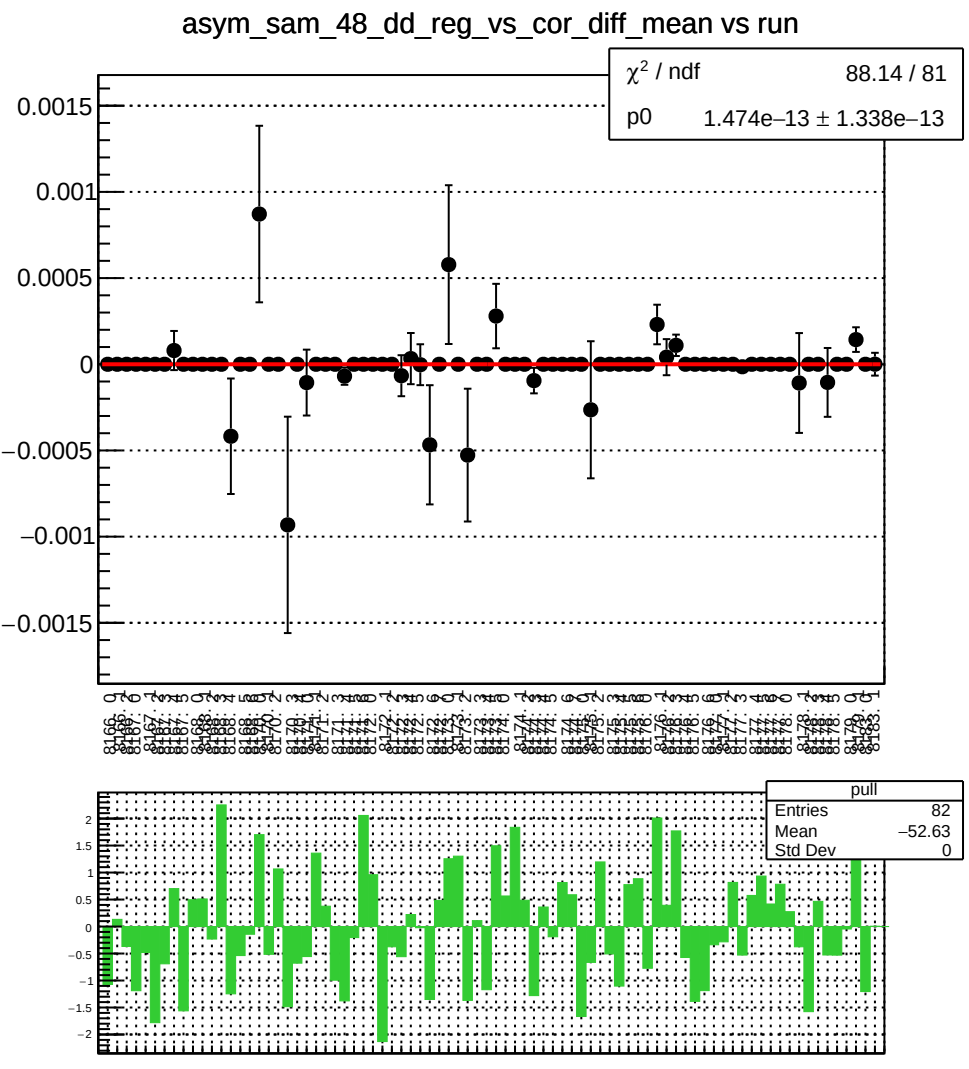

pull1D
Entries 82
Mean −0.004835
Std Dev 0.9828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

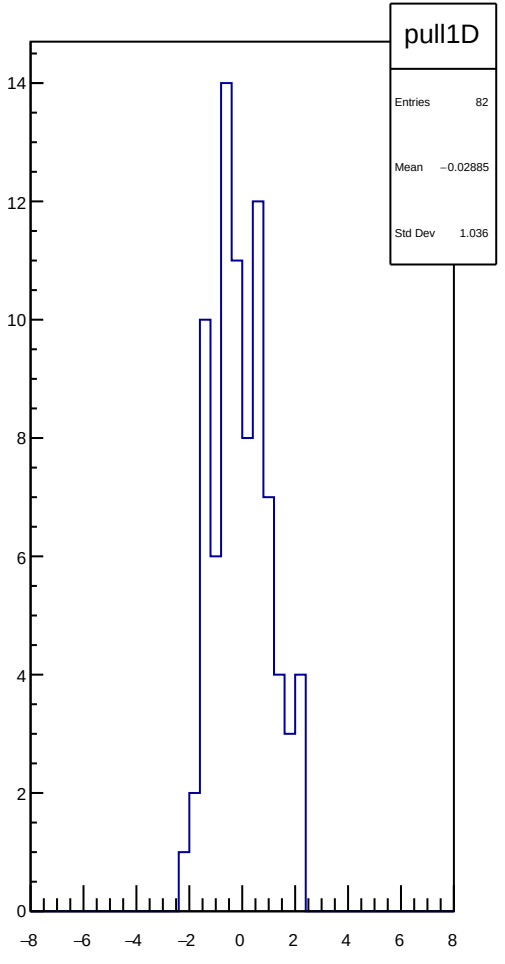

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1396 / 81
p0 1675 ± 1.332
1800
1750
1700
1650
1600
1550

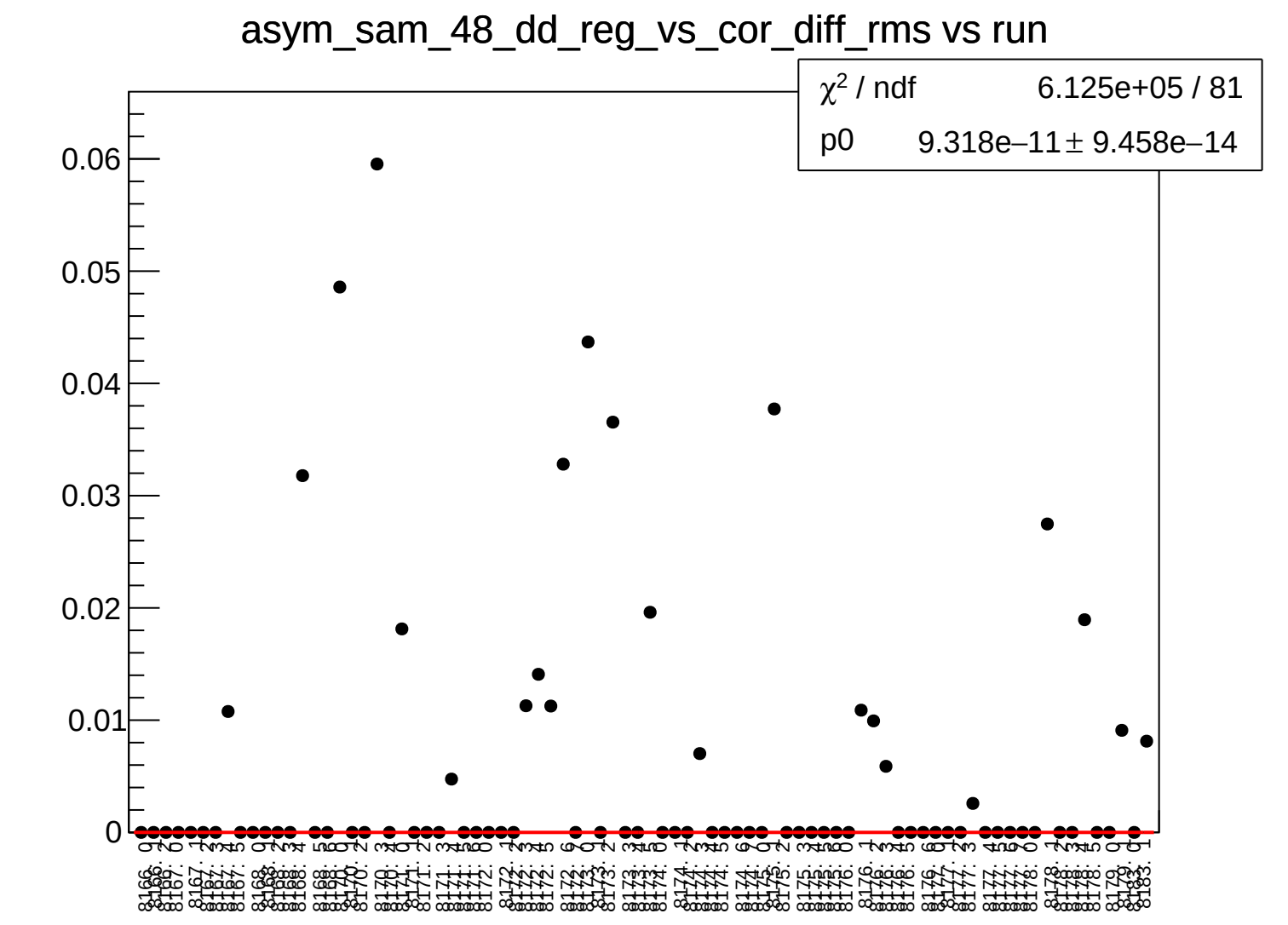

asym_sam_48_dd_mean vs run
χ² / ndf 79.67 / 81
p0 1761 ± 1849
pull
Entries 82
Mean −433.6
Std Dev 0

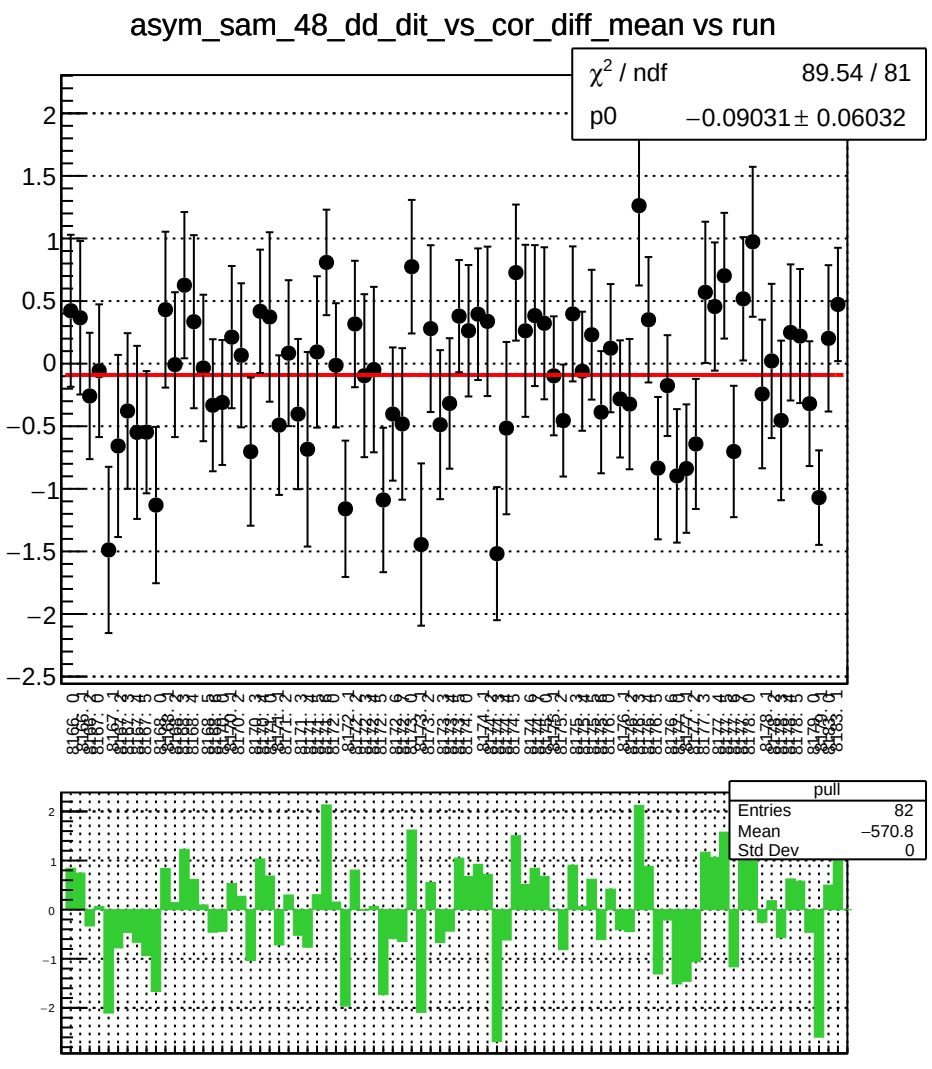

pull1D
Entries 82
Mean 0.004011
Std Dev 0.9857

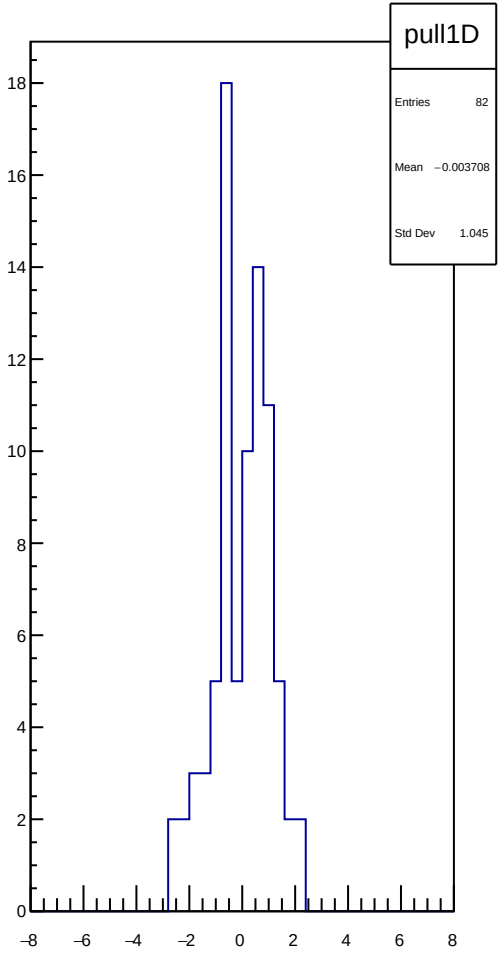

asym_sam_48_dd_rms vs run
χ² / ndf 1651 / 81
p0 1645 ± 1.308
1800
1750
1700
1650
1600
1550
1500

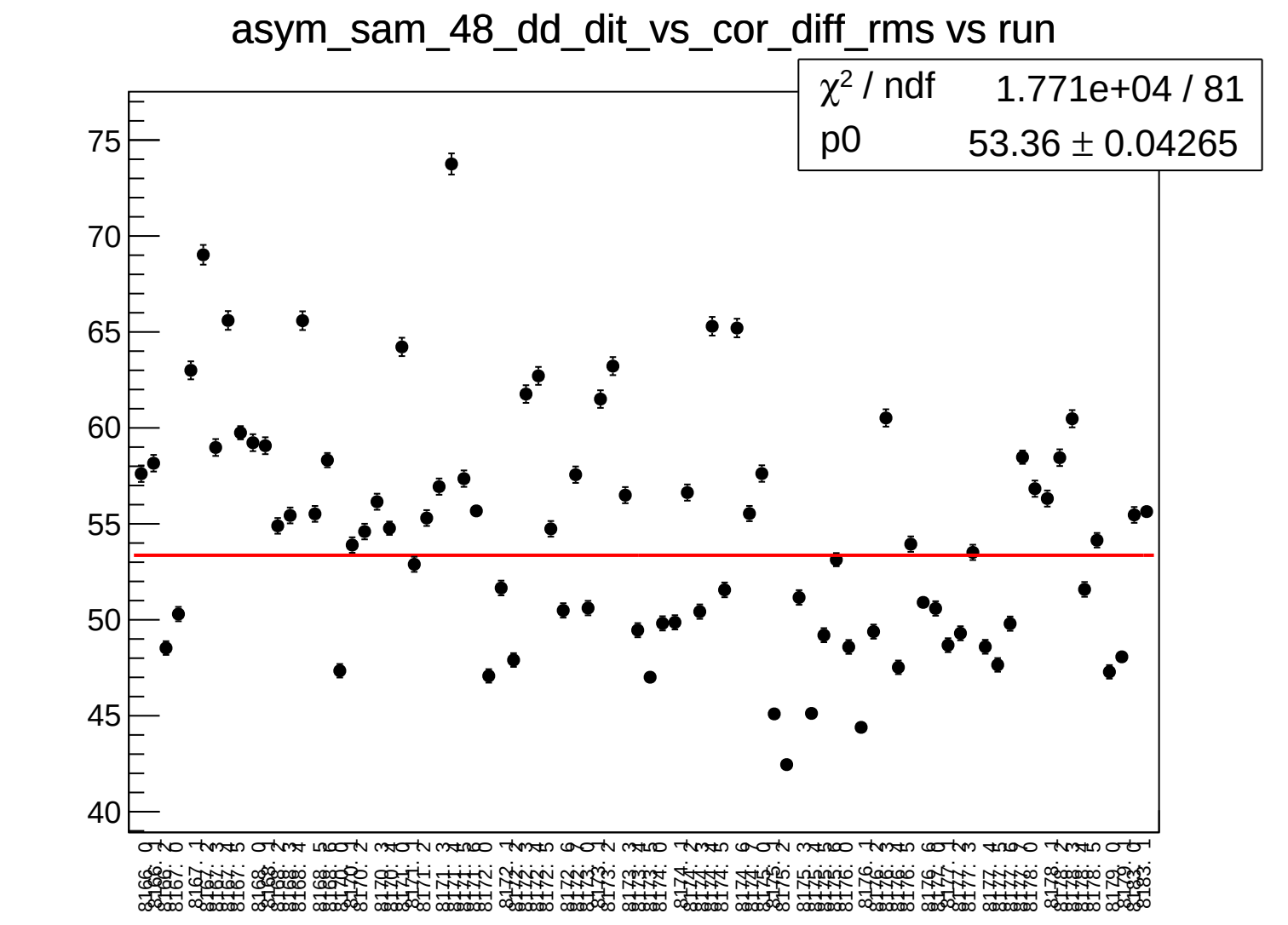

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 88.14 / 81
p0 1.474e−13 ± 1.338e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean −52.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

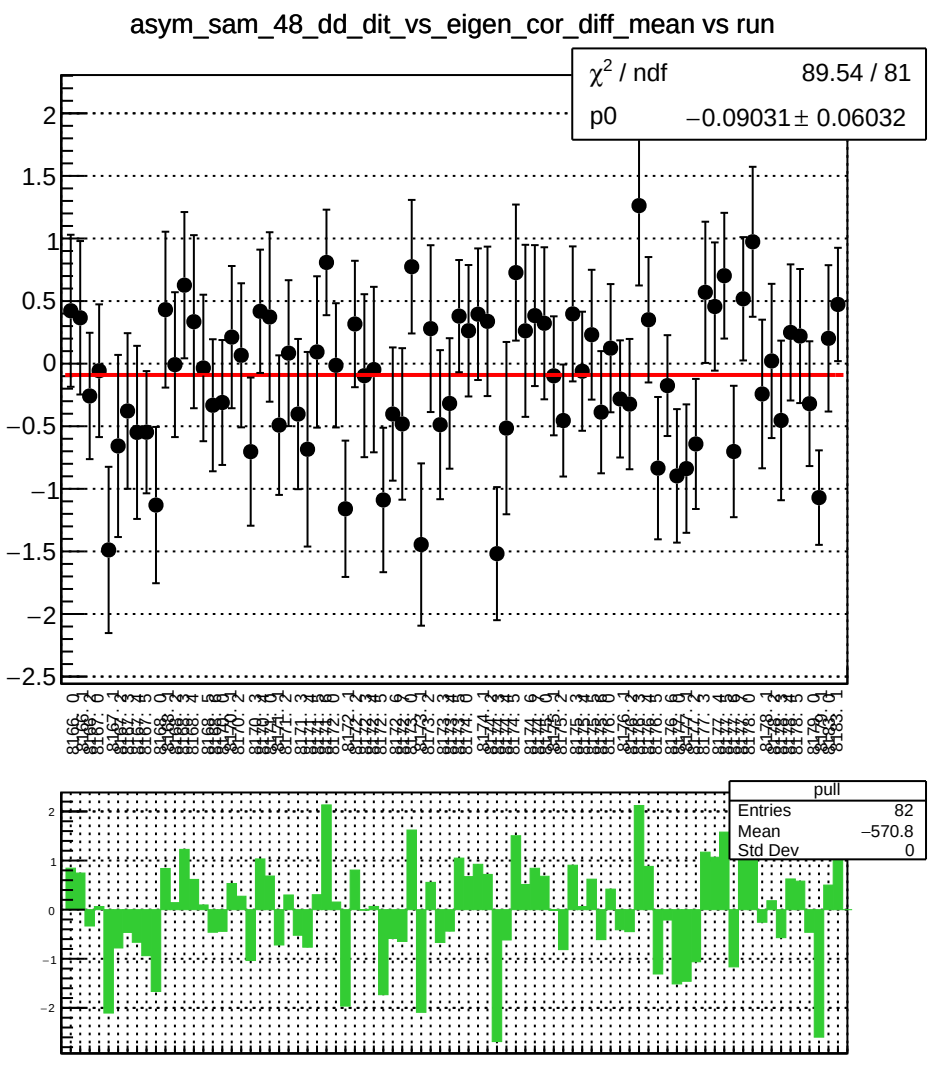

pull1D
Entries 82
Mean −0.02885
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

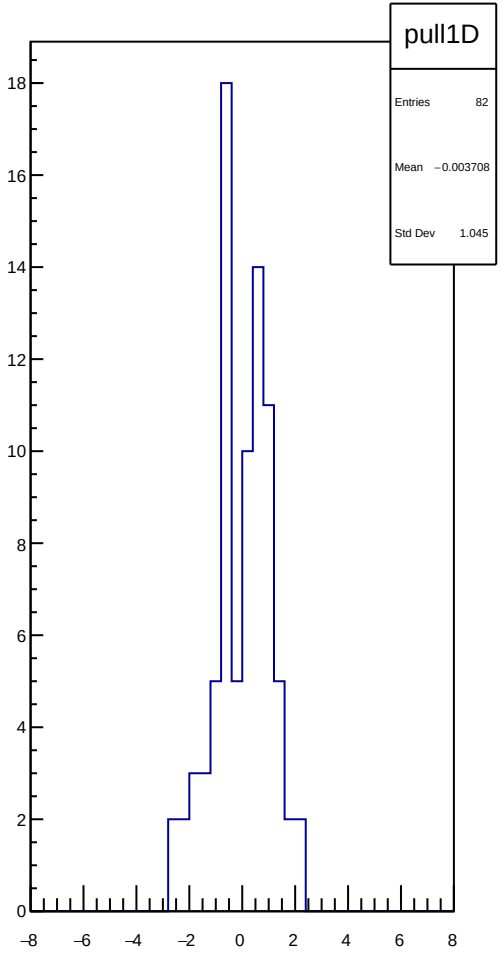

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.125e+05 / 81
p0 9.318e−11 ± 9.458e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

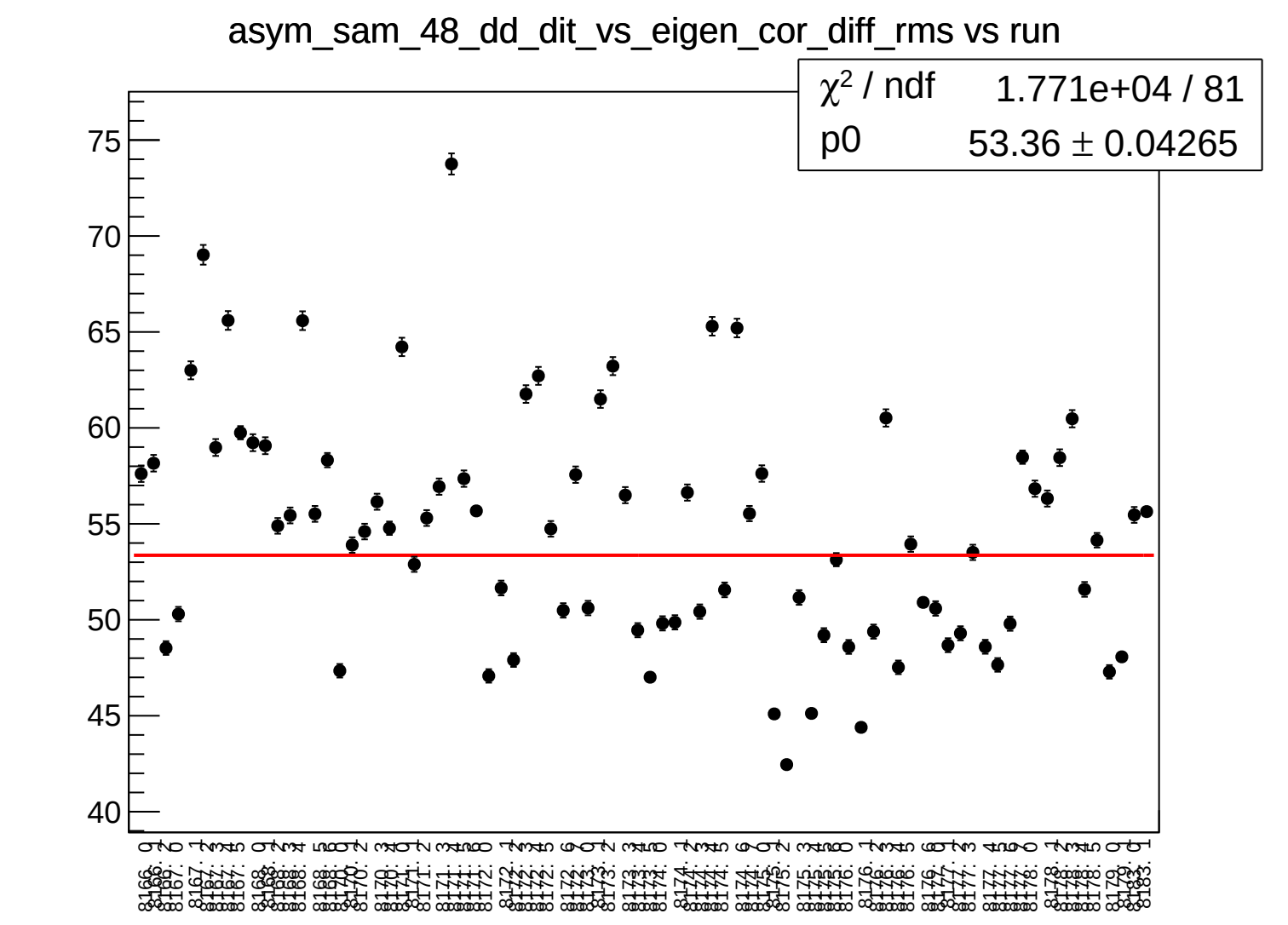

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 89.54 / 81
p0 −0.09031 ± 0.06032
pull
Entries 82
Mean −570.8
Std Dev 0

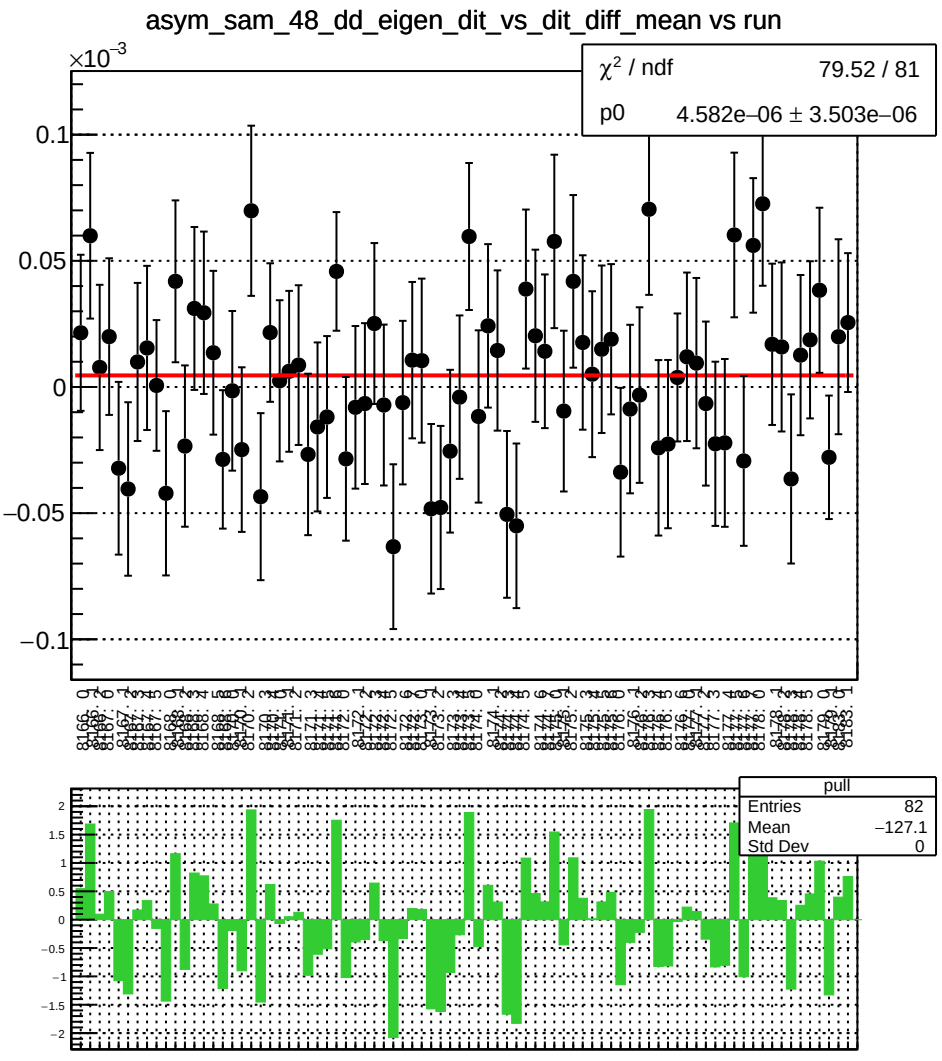

pull1D
Entries 82
Mean −0.003708
Std Dev 1.045

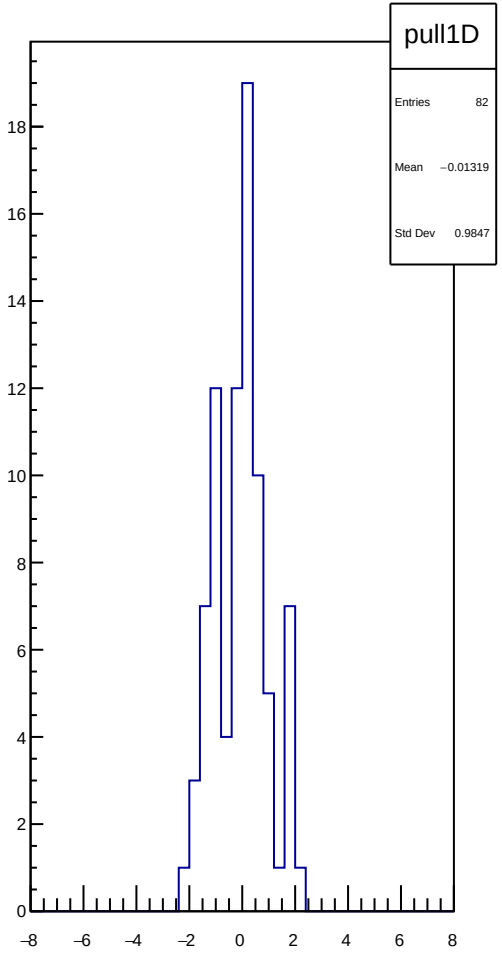

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.771e+04 / 81
p0 53.36 ± 0.04265
75
70
65
60
55
50
45
40

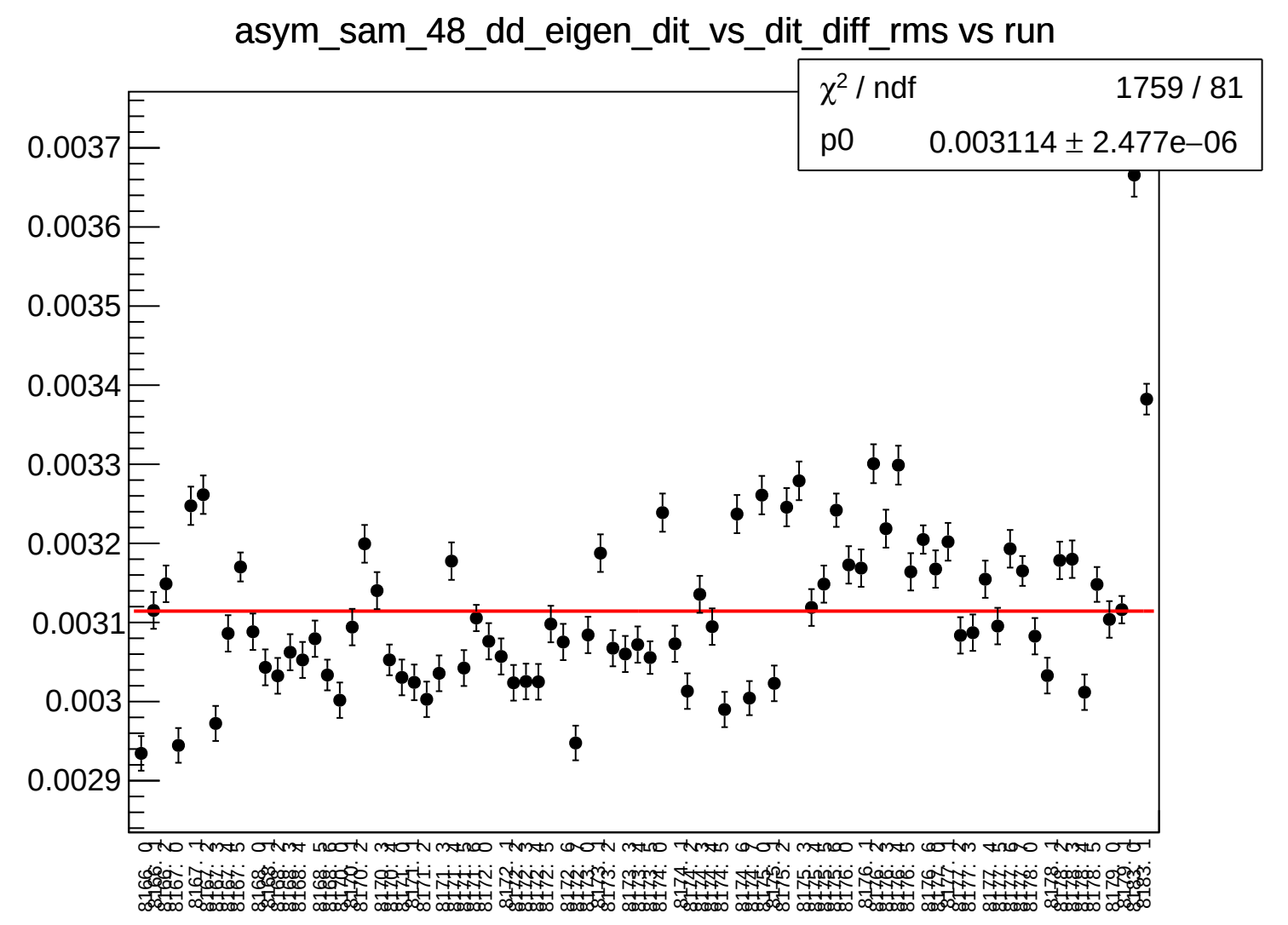

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.54 / 81
p0 −0.09031 ± 0.06032
pull
Entries 82
Mean −570.8
Std Dev 0

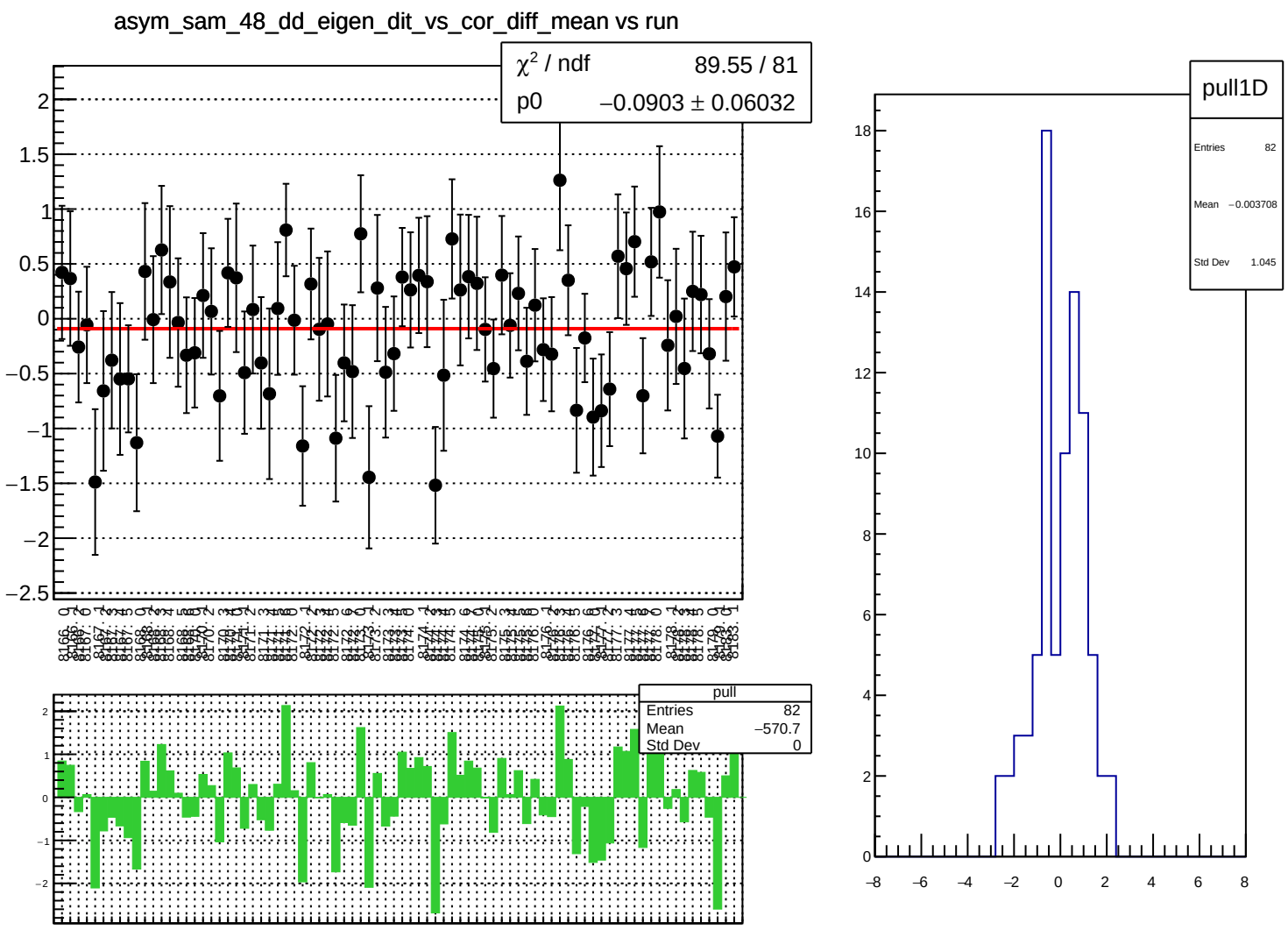

pull1D
Entries 82
Mean −0.003708
Std Dev 1.045

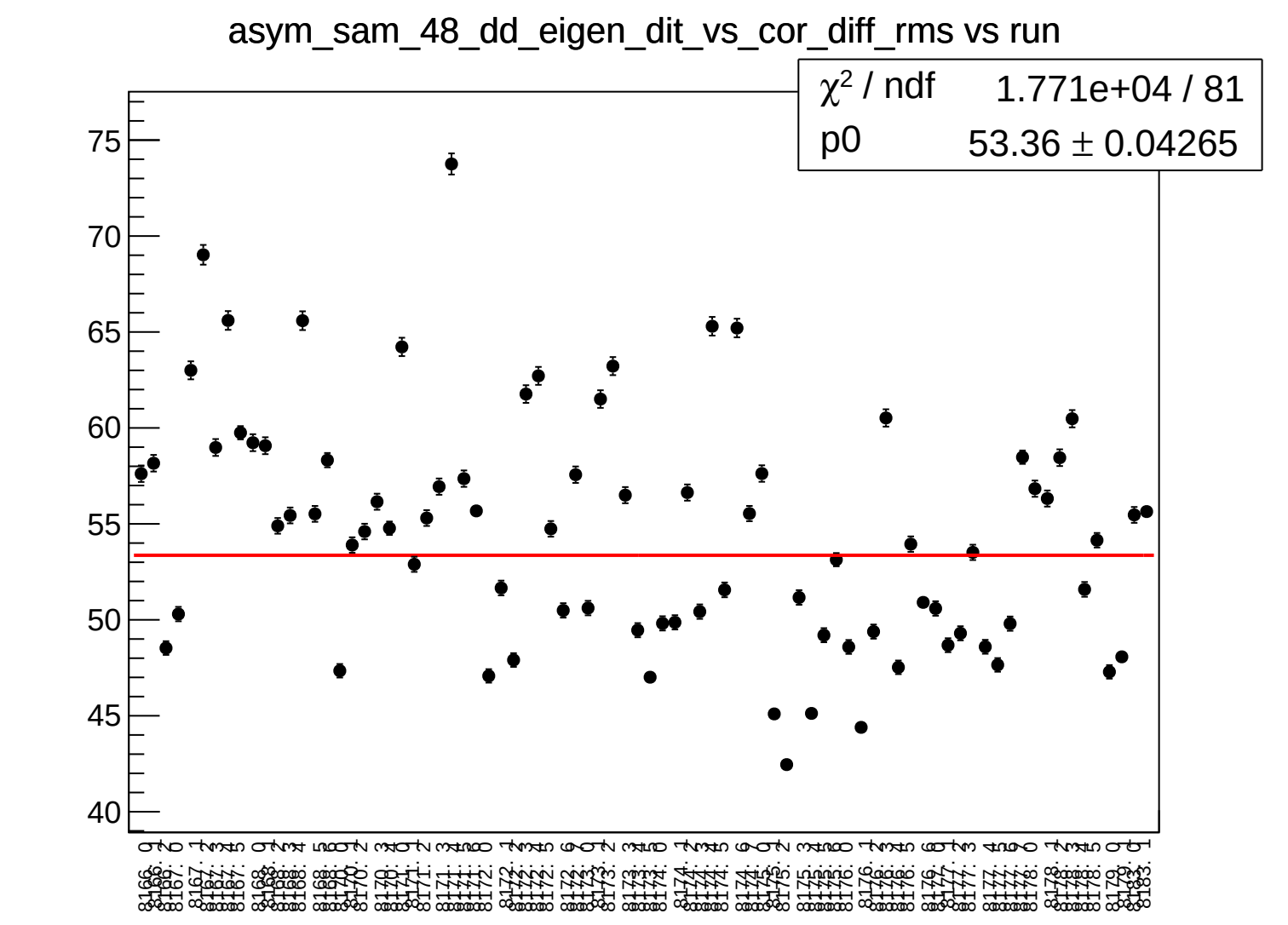

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.771e+04 / 81
p0 53.36 ± 0.04265
75
70
65
60
55
50
45
40

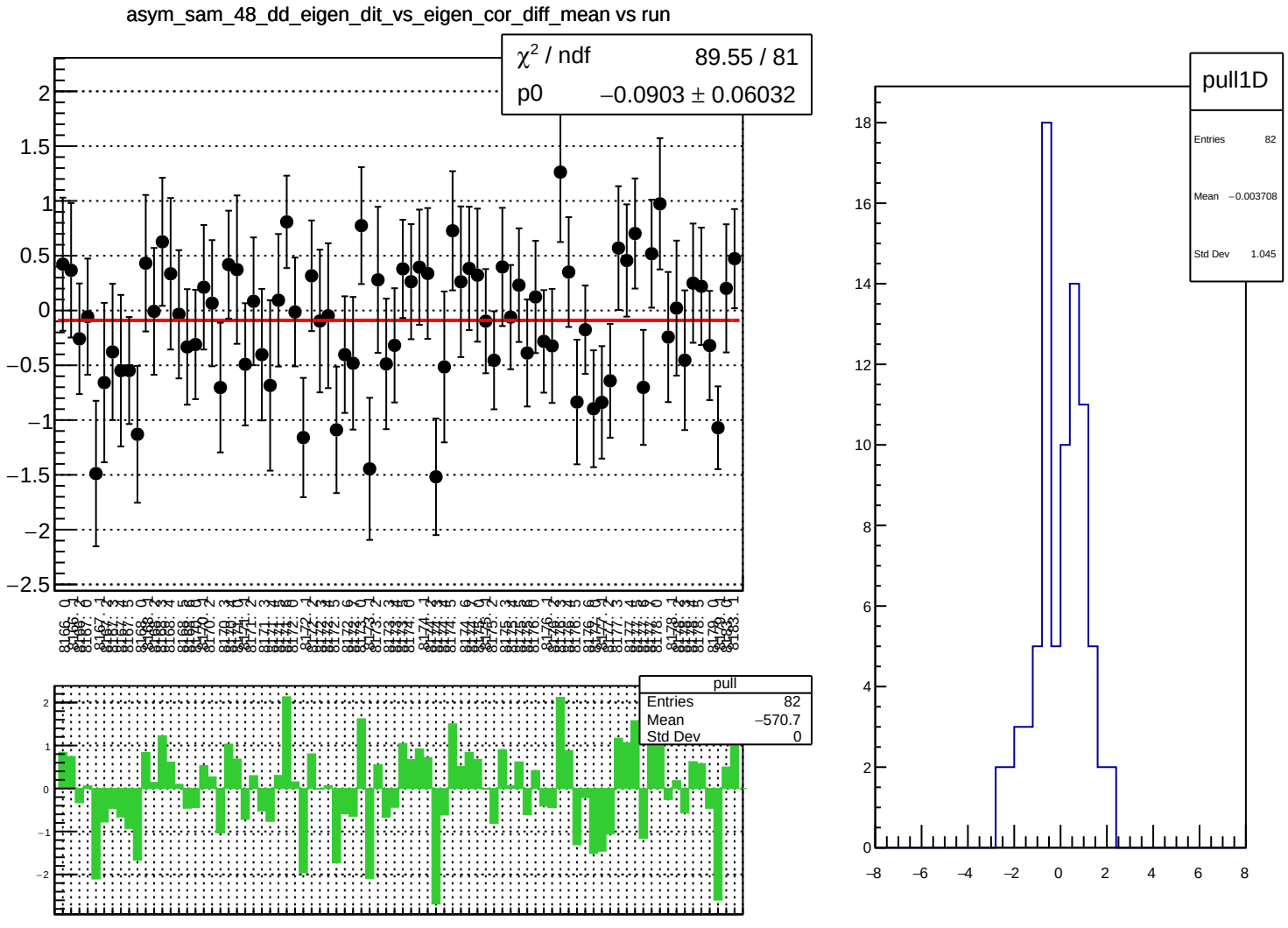

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 79.52 / 81
p0 4.582e−06 ± 3.503e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean −127.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

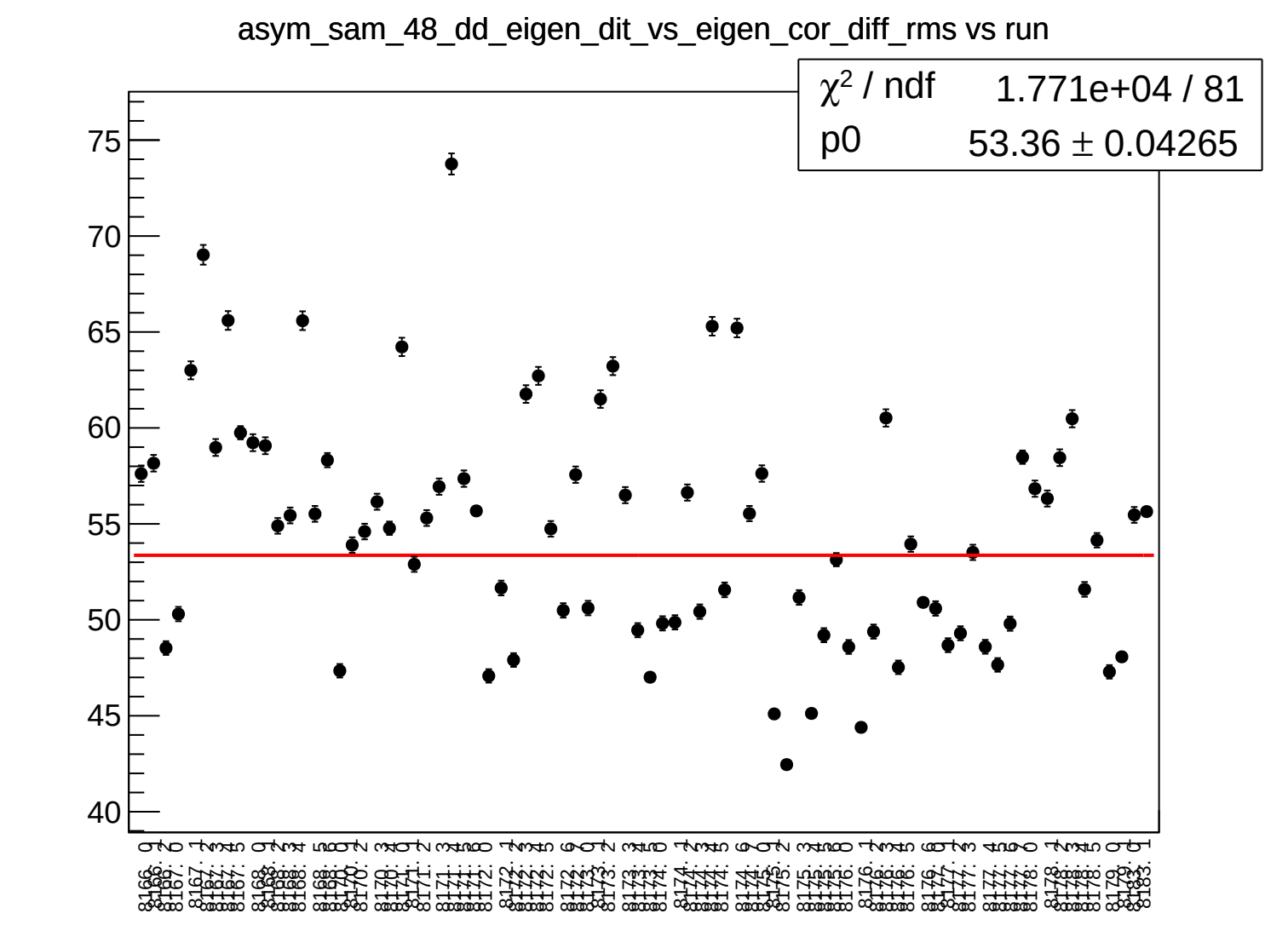

pull1D
Entries 82
Mean −0.01319
Std Dev 0.9847
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

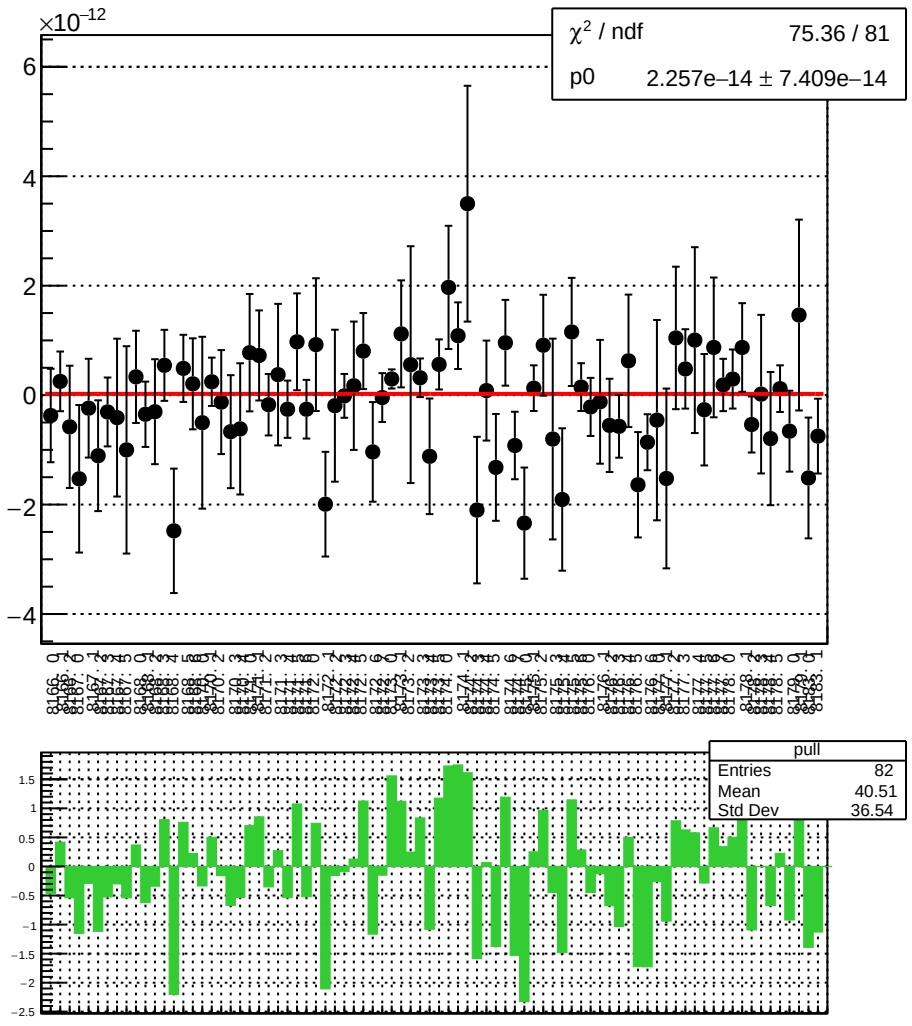

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1759 / 81
p0 0.003114 ± 2.477e−06
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
0.0031
0.003
0.0029

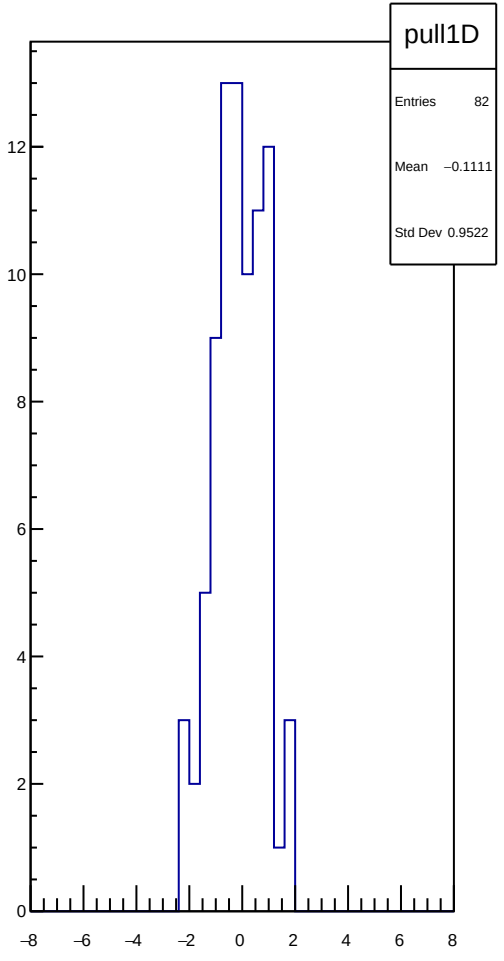

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.55 / 81
p0 −0.0903 ± 0.06032
pull
Entries 82
Mean −570.7
Std Dev 0
pull1D
Entries 82
Mean −0.003708
Std Dev 1.045

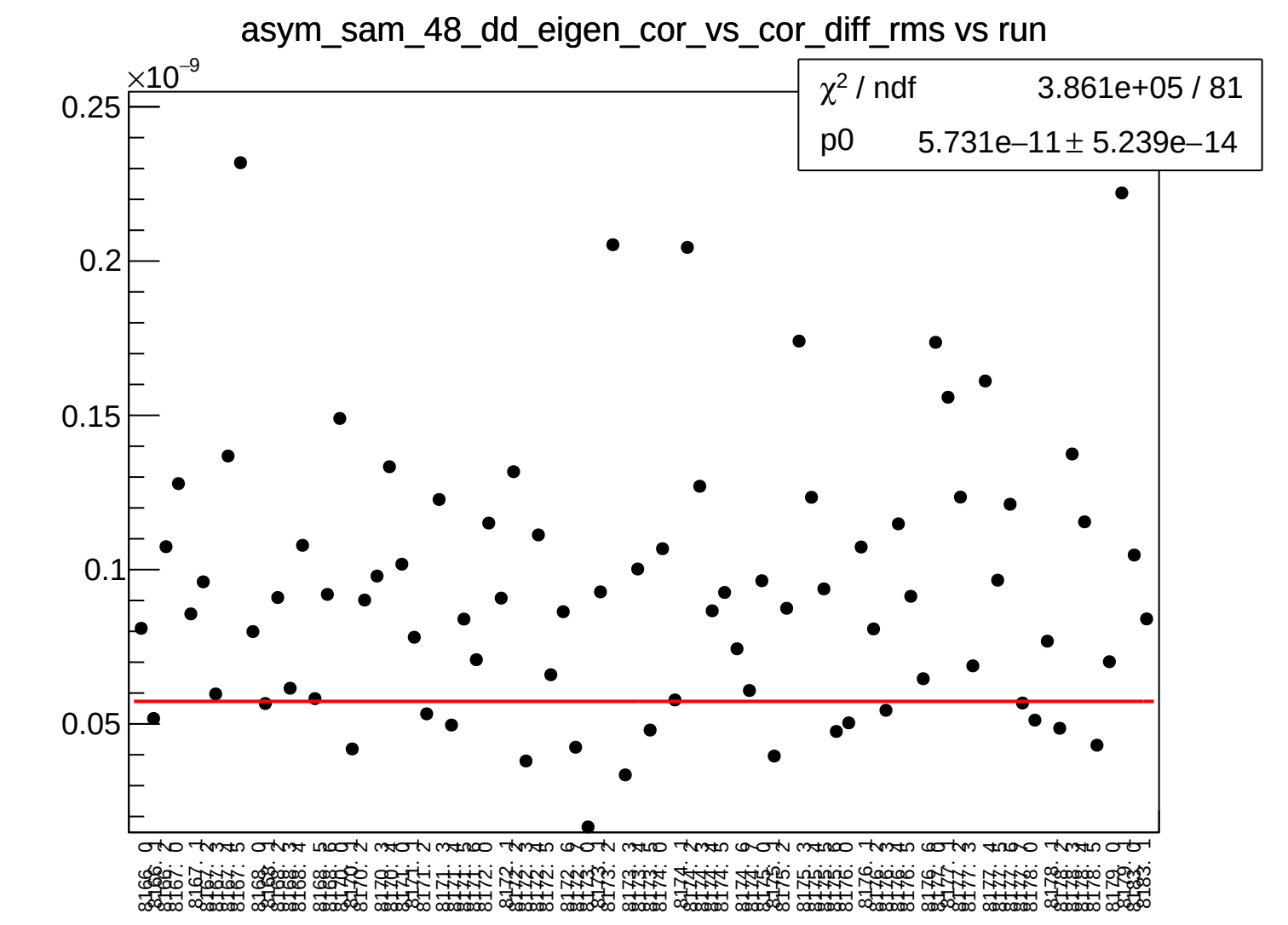

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.771e+04 / 81
p0 53.36 ± 0.04265
75
70
65
60
55
50
45
40

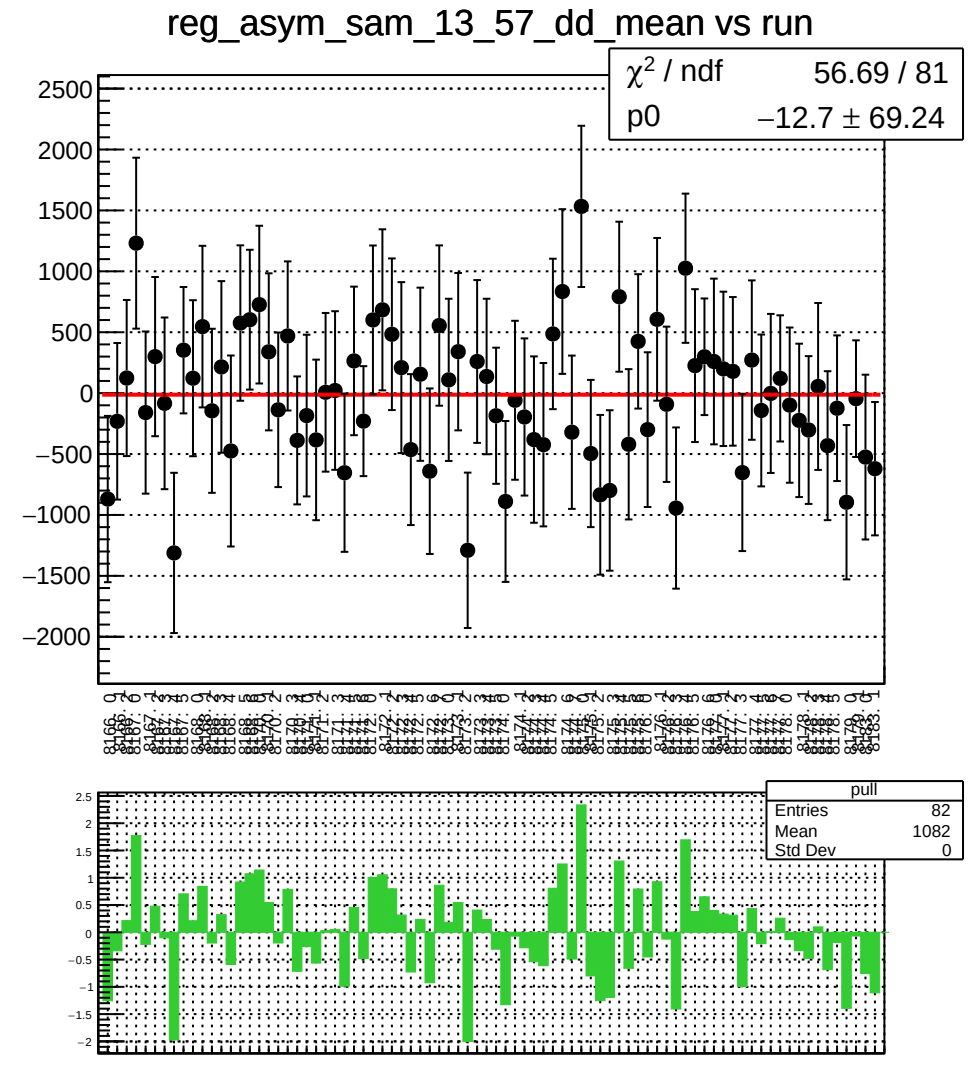

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.55 / 81
p0 −0.0903 ± 0.06032
pull
Entries 82
Mean −570.7
Std Dev 0
pull1D
Entries 82
Mean −0.003708
Std Dev 1.045

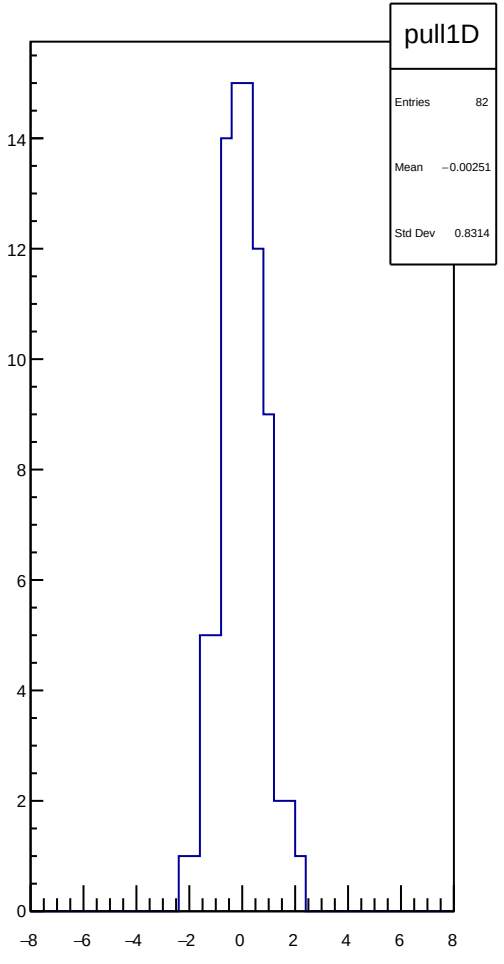

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.771e+04 / 81
p0 53.36 ± 0.04265
75
70
65
60
55
50
45
40

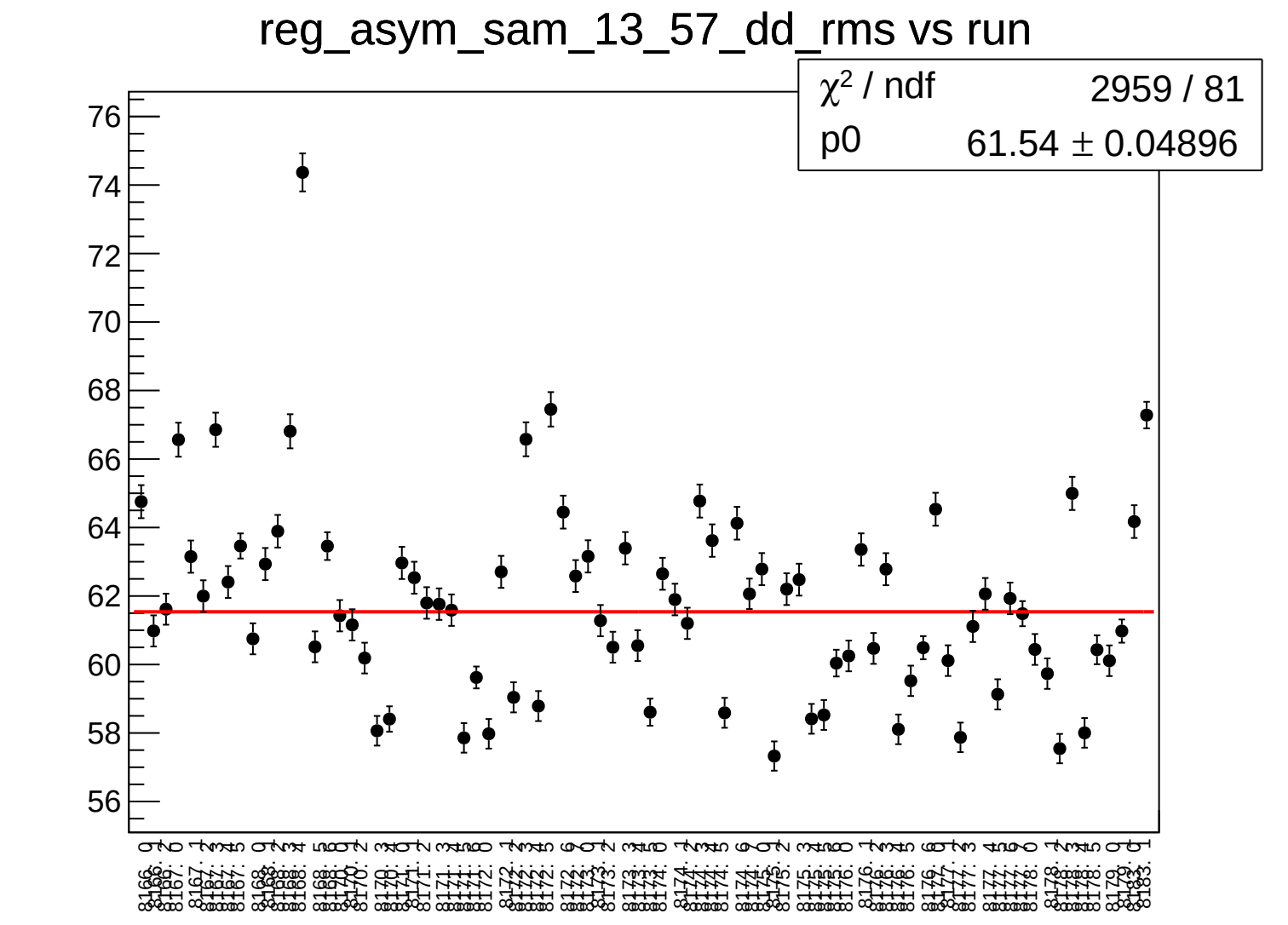

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.36 / 81
p0 2.257e−14 ± 7.409e−14
pull
Entries 82
Mean 40.51
Std Dev 36.54

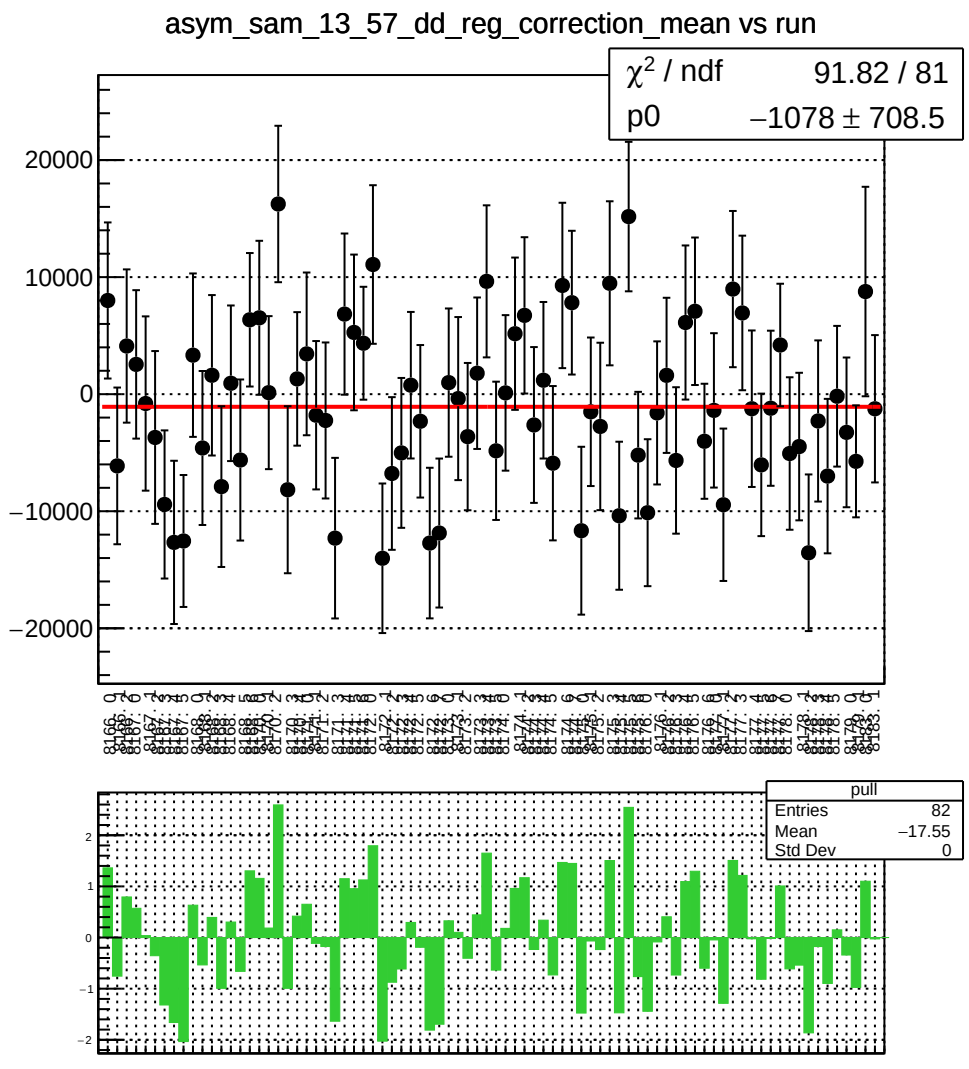

pull1D
Entries 82
Mean −0.1111
Std Dev 0.9522

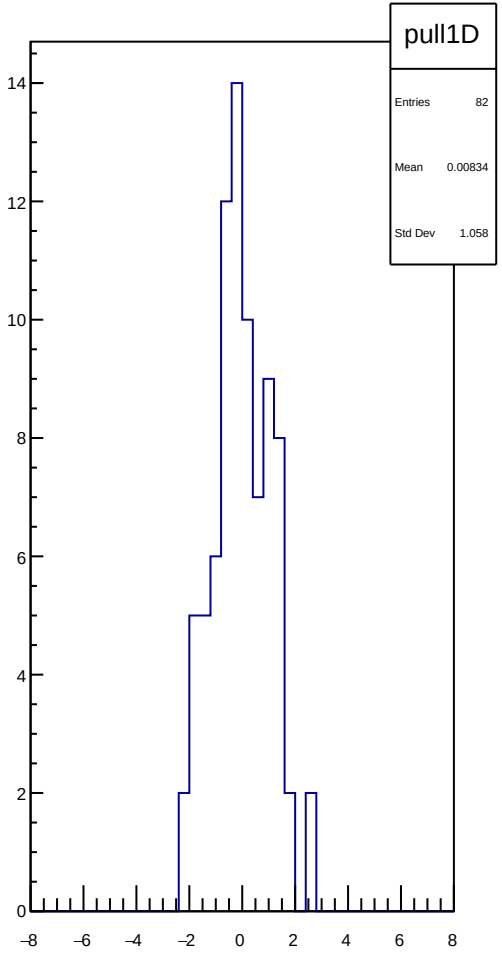

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.861e+05 / 81
p0 5.731e−11 ± 5.239e−14
0.25
0.2
0.15
0.1
0.05

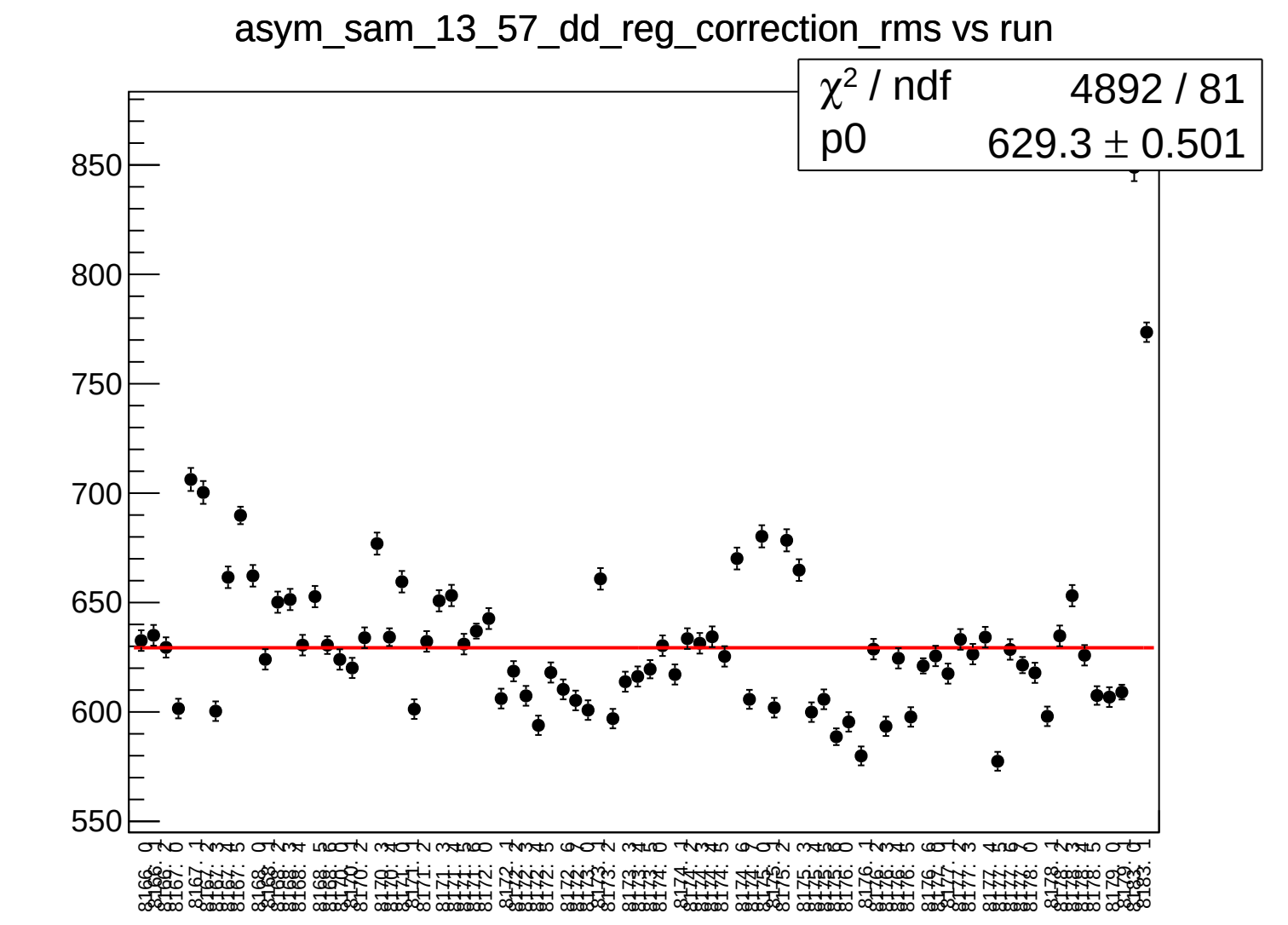

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 56.69 / 81
p0 −12.7 ± 69.24
pull
Entries 82
Mean 1082
Std Dev 0

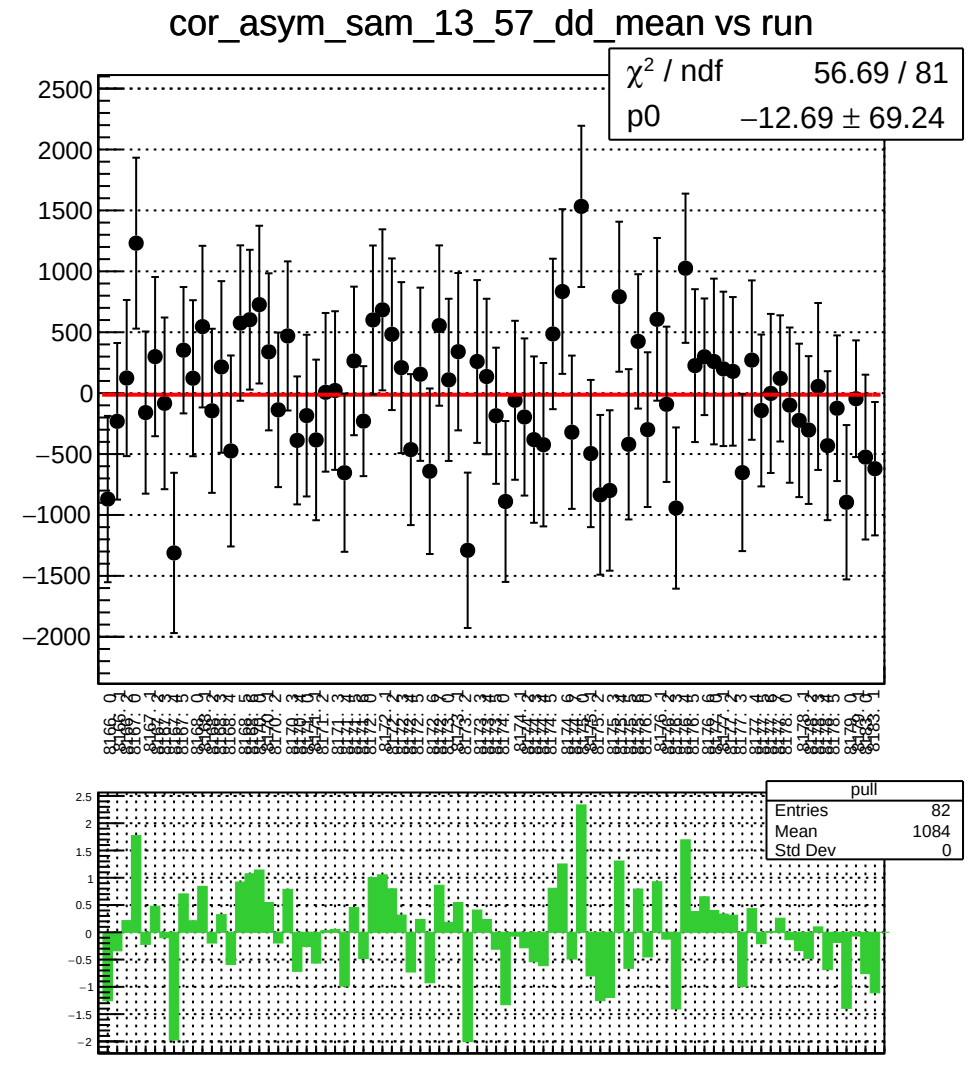

pull1D
Entries 82
Mean −0.00251
Std Dev 0.8314

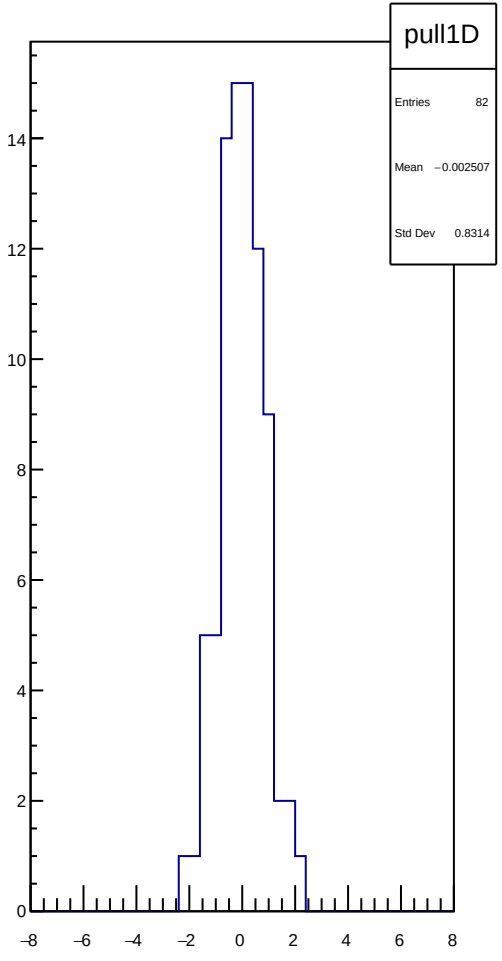

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 2959 / 81
p0 61.54 ± 0.04896
76
74
72
70
68
66
64
62
60
58
56

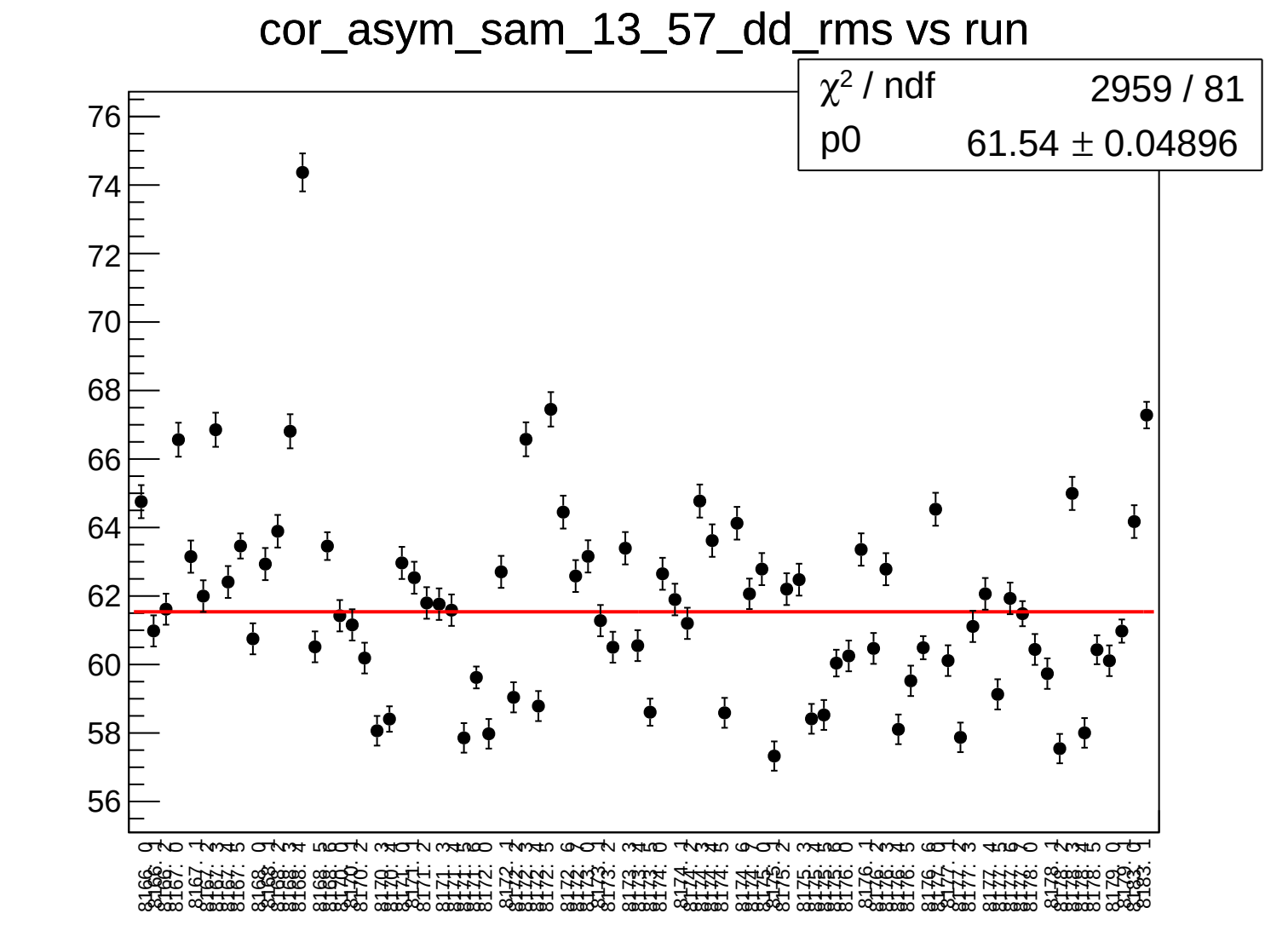

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 91.82 / 81
p0 −1078 ± 708.5
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −17.55
Std Dev 0
2
1
0
−1
−2

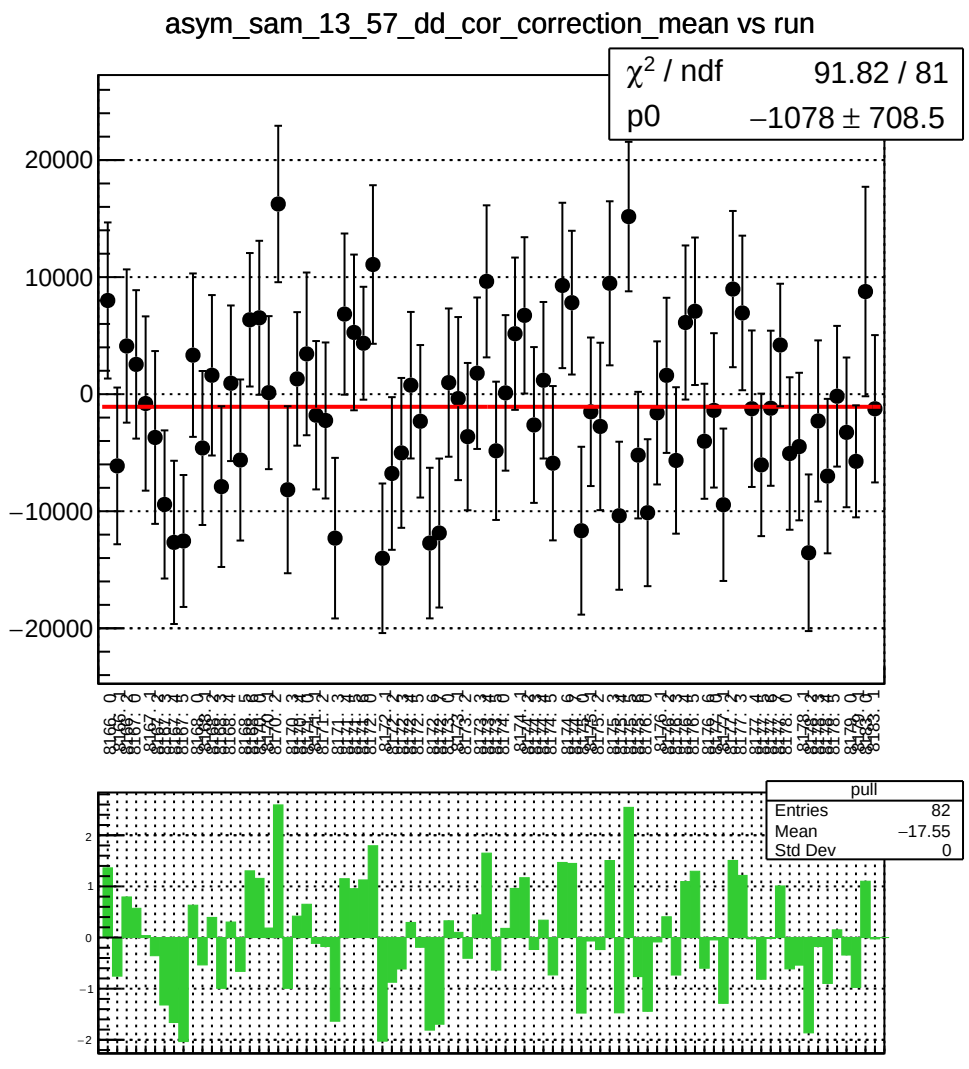

pull1D
Entries 82
Mean 0.00834
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

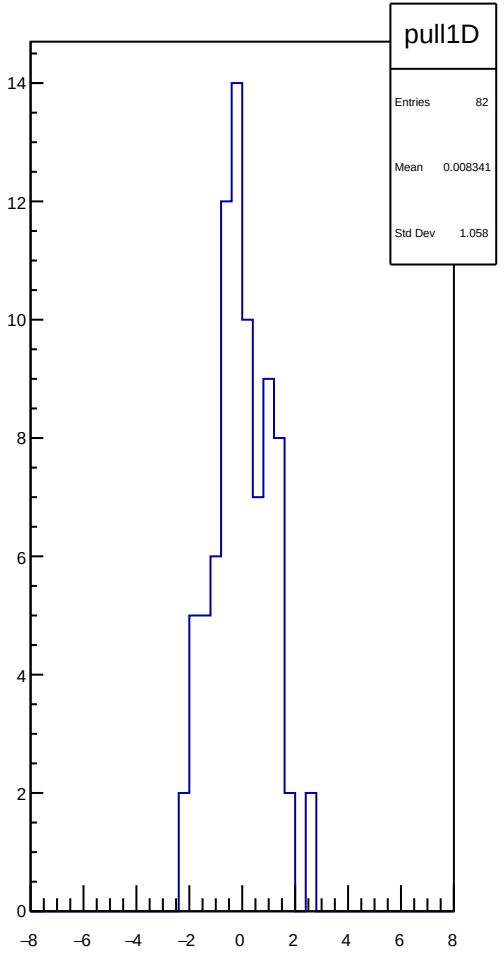

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 4892 / 81
p0 629.3 ± 0.501
850
800
750
700
650
600
550

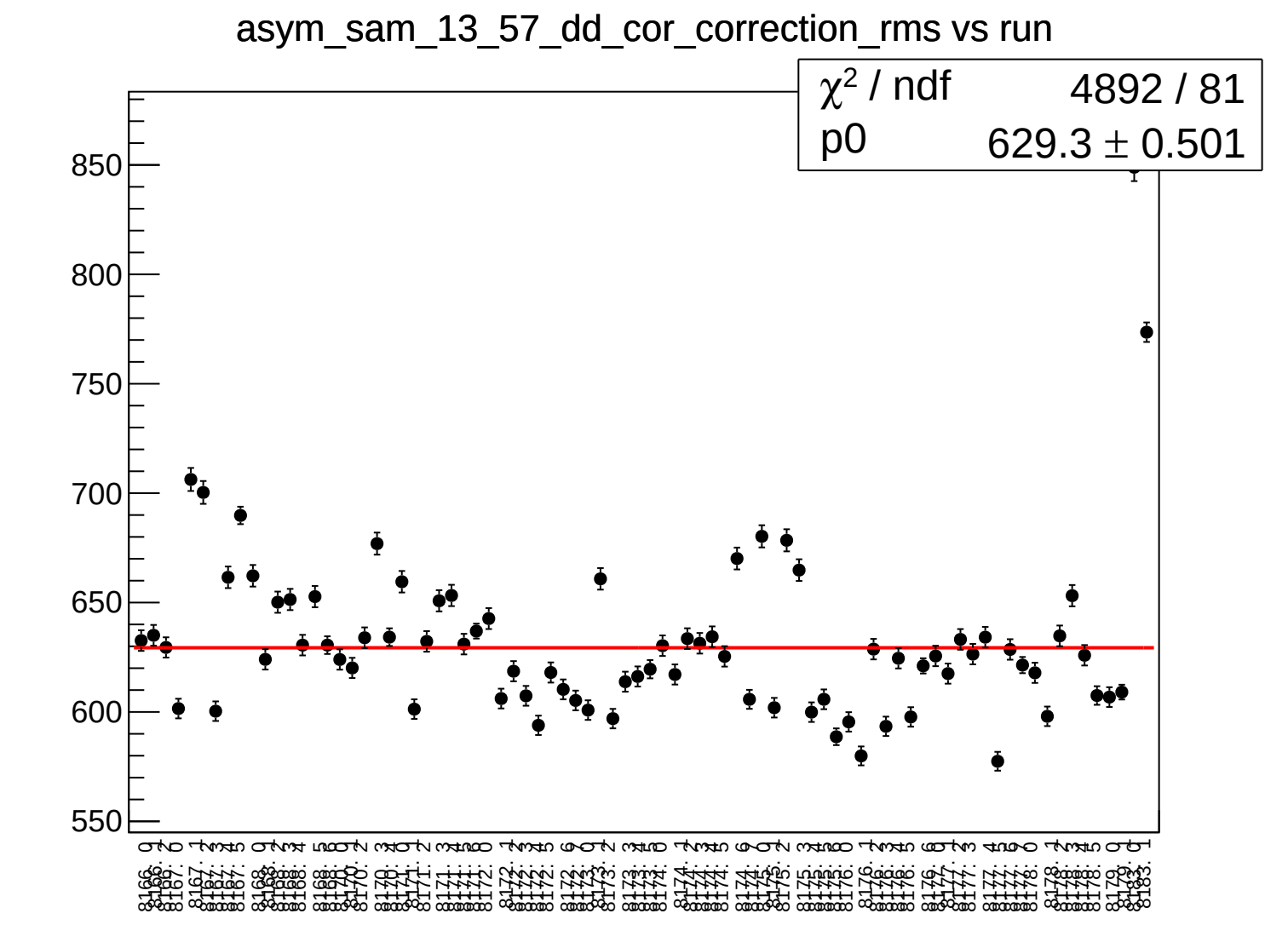

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 56.69 / 81
p0 −12.69 ± 69.24
pull
Entries 82
Mean 1084
Std Dev 0

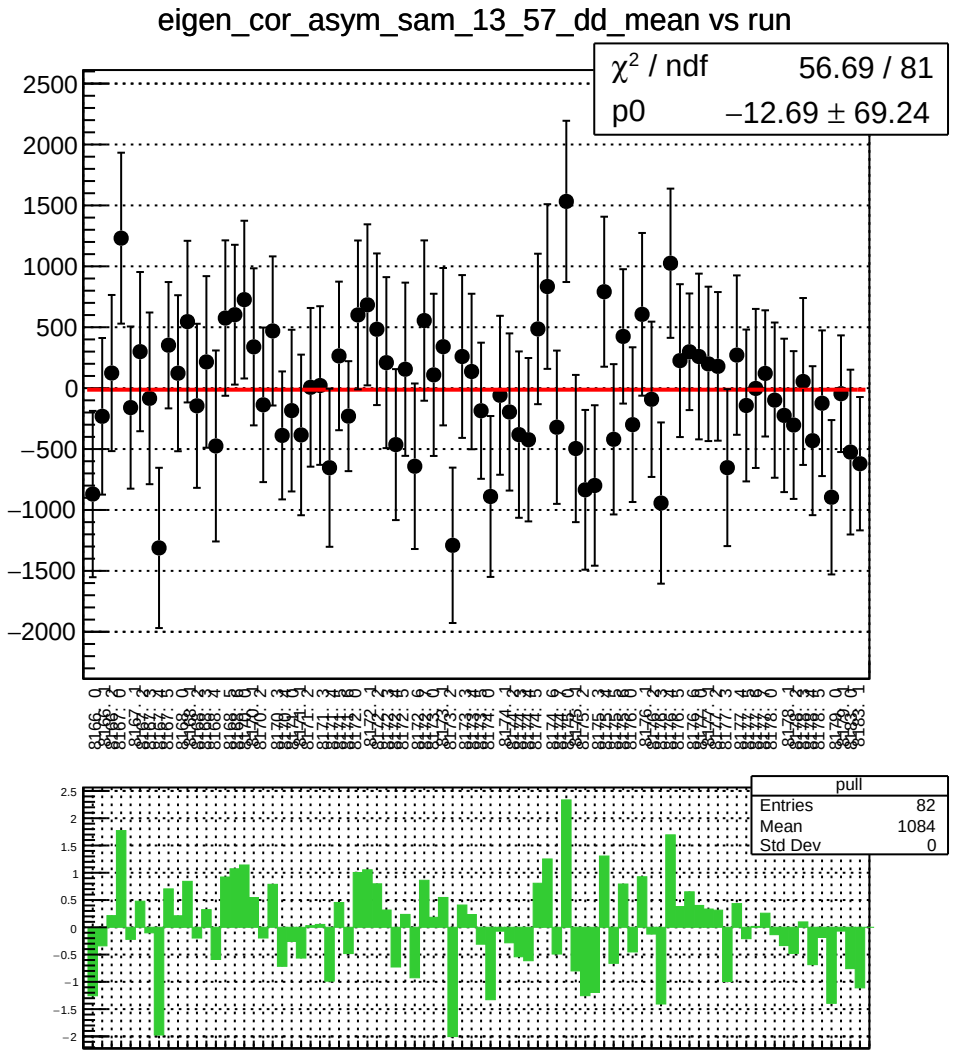

pull1D
Entries 82
Mean −0.002507
Std Dev 0.8314

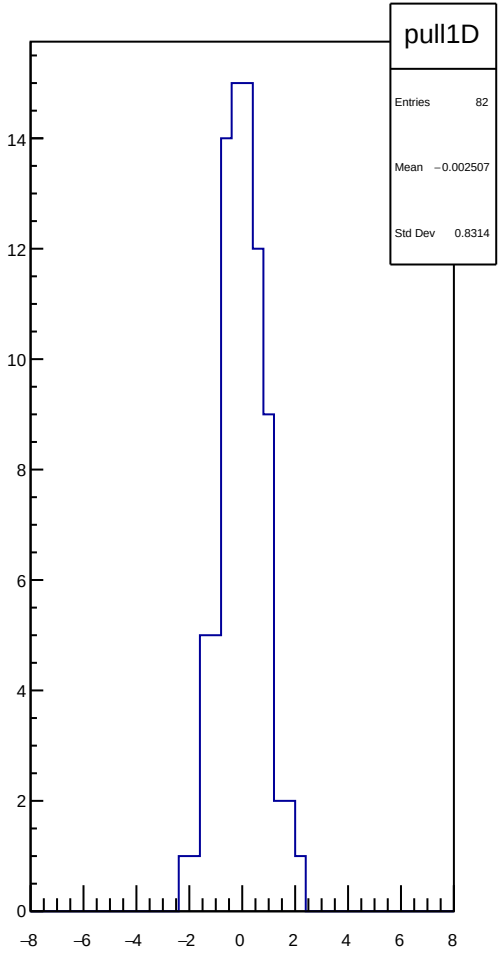

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2959 / 81
p0 61.54 ± 0.04896
76
74
72
70
68
66
64
62
60
58
56

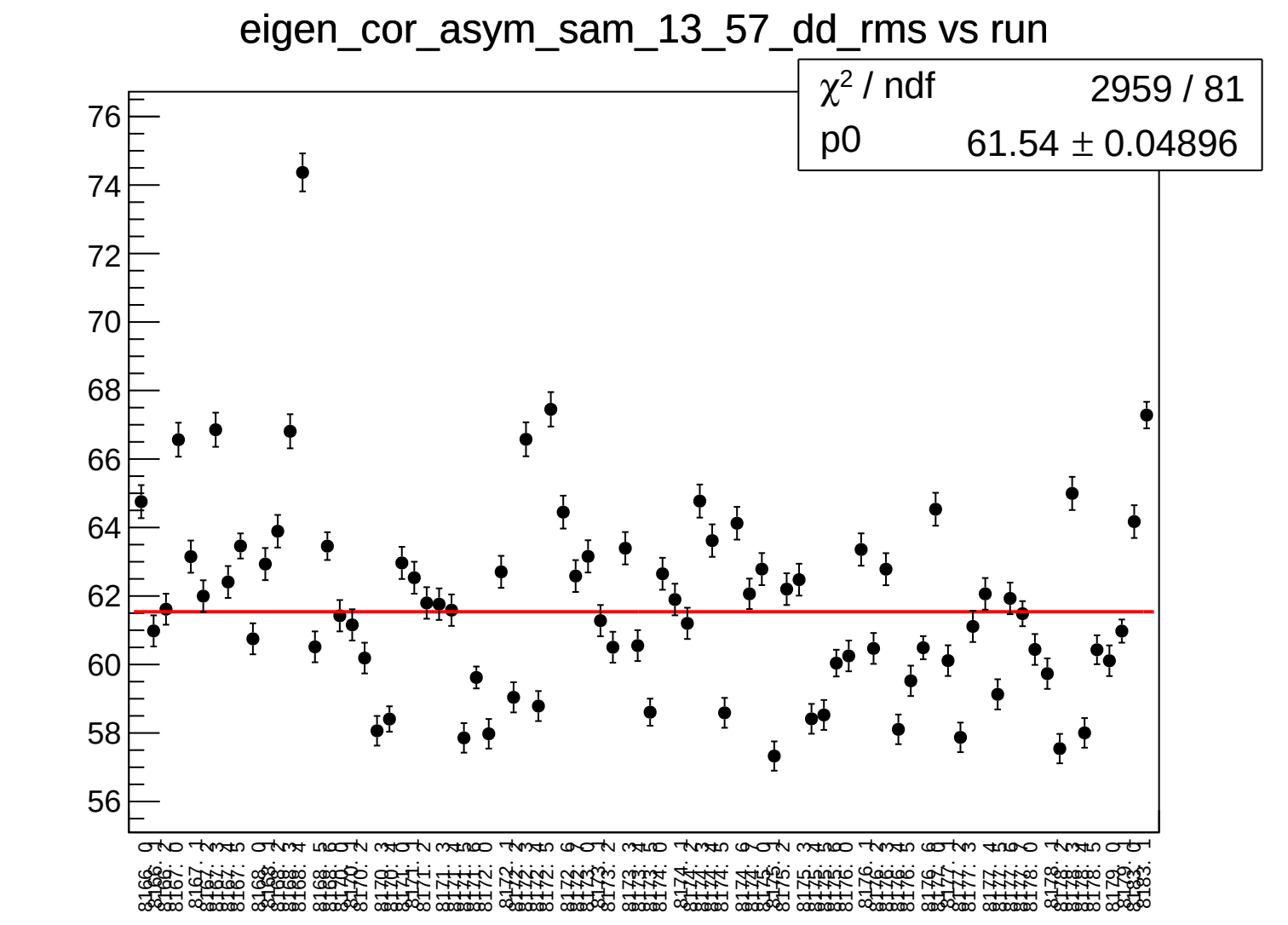

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 91.82 / 81
p0 −1078 ± 708.5
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −17.55
Std Dev 0
2
1
0
−1
−2

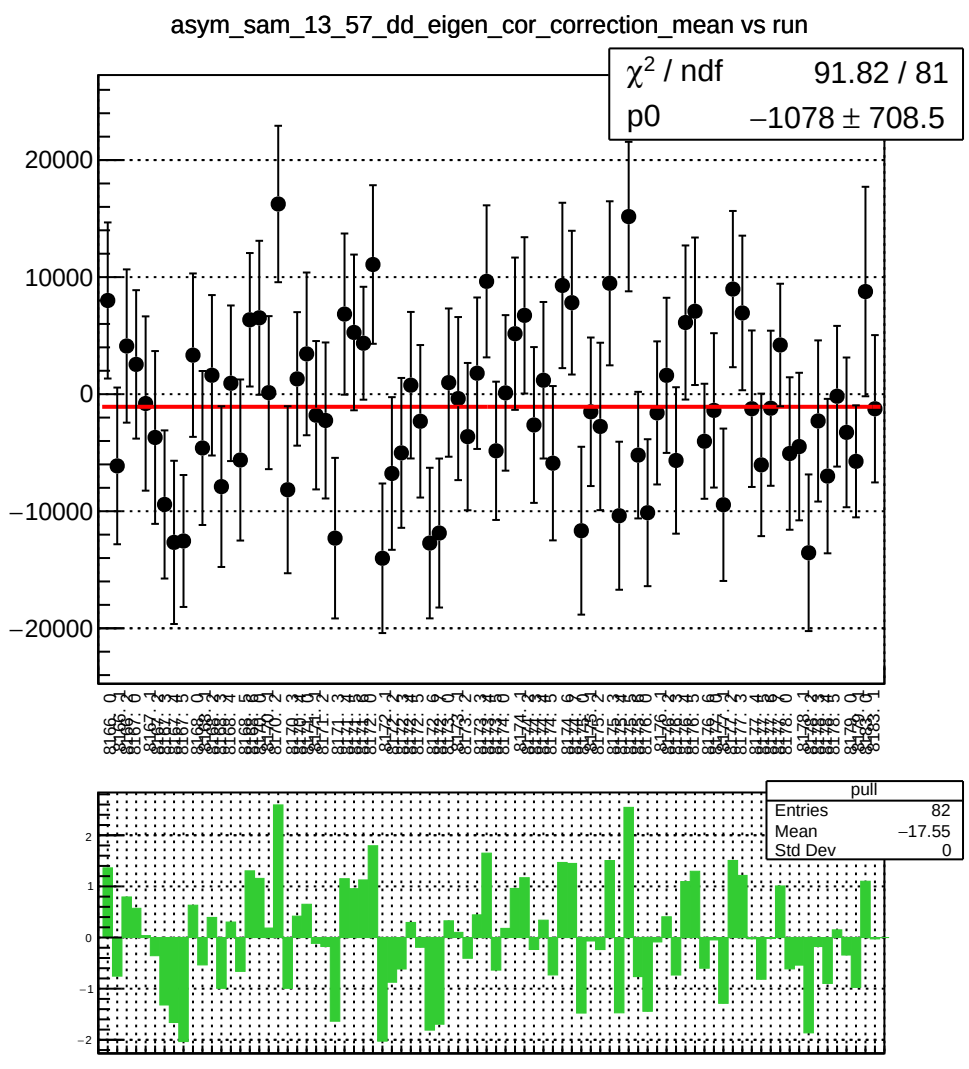

pull1D
Entries 82
Mean 0.008341
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

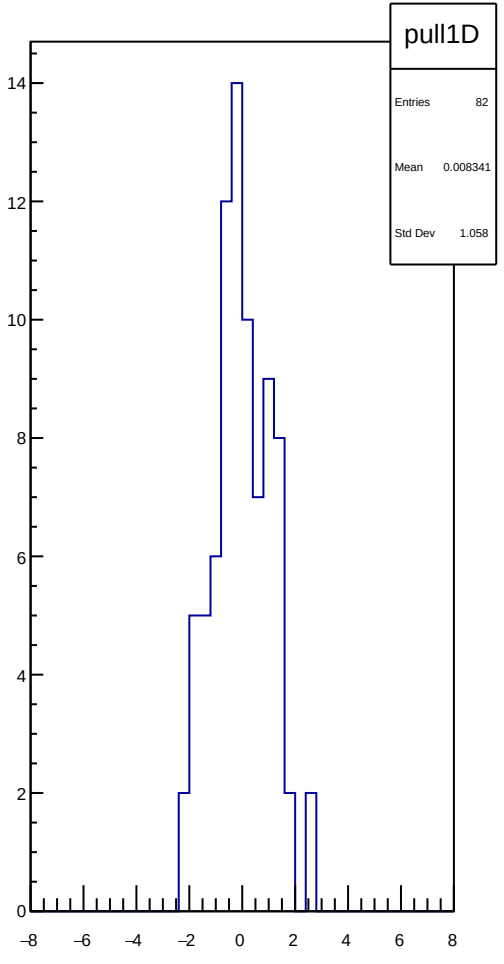

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 4892 / 81
p0 629.3 ± 0.501
850
800
750
700
650
600
550

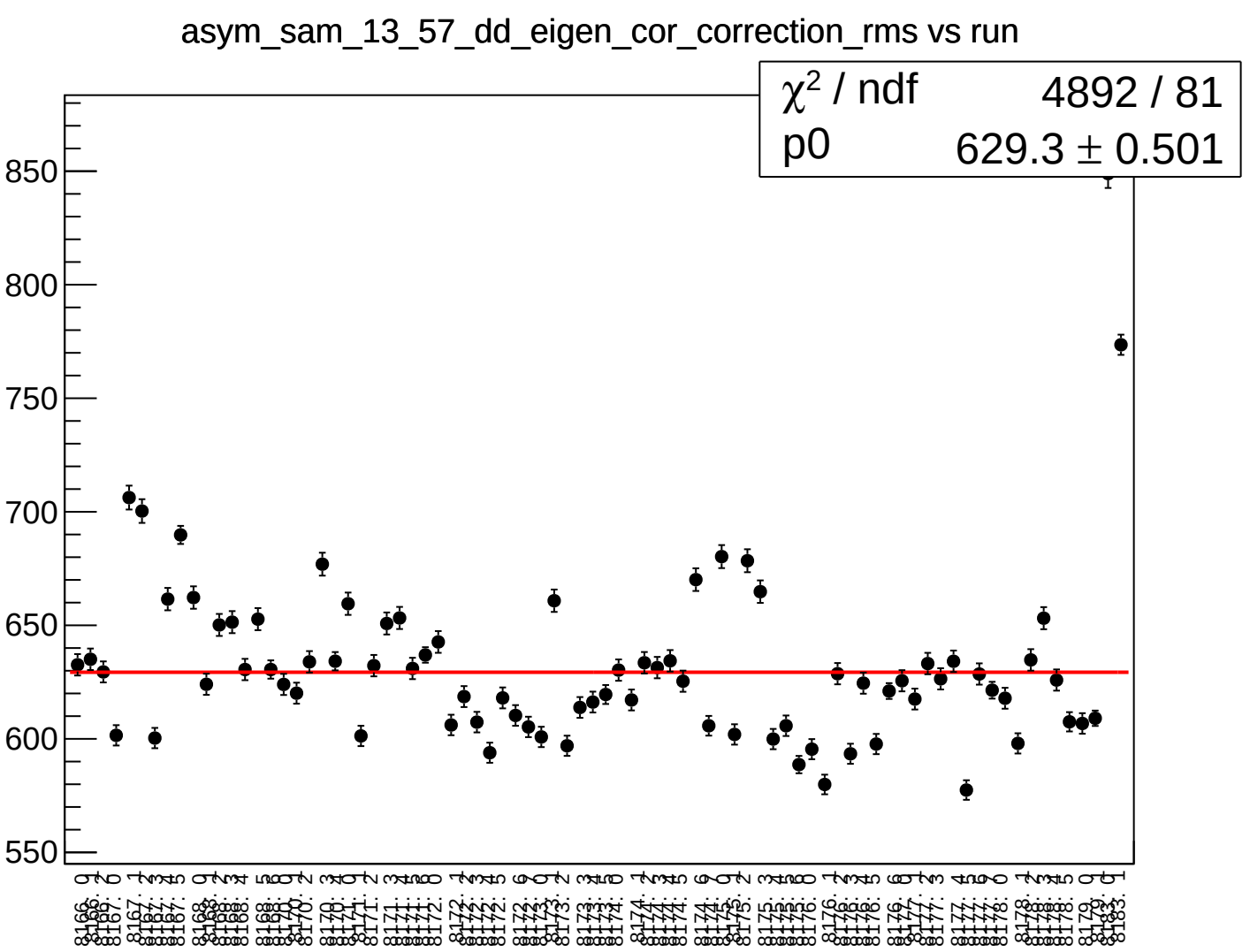

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 56.69 / 81
p0 −12.69 ± 69.24
pull
Entries 82
Mean 1084
Std Dev 0

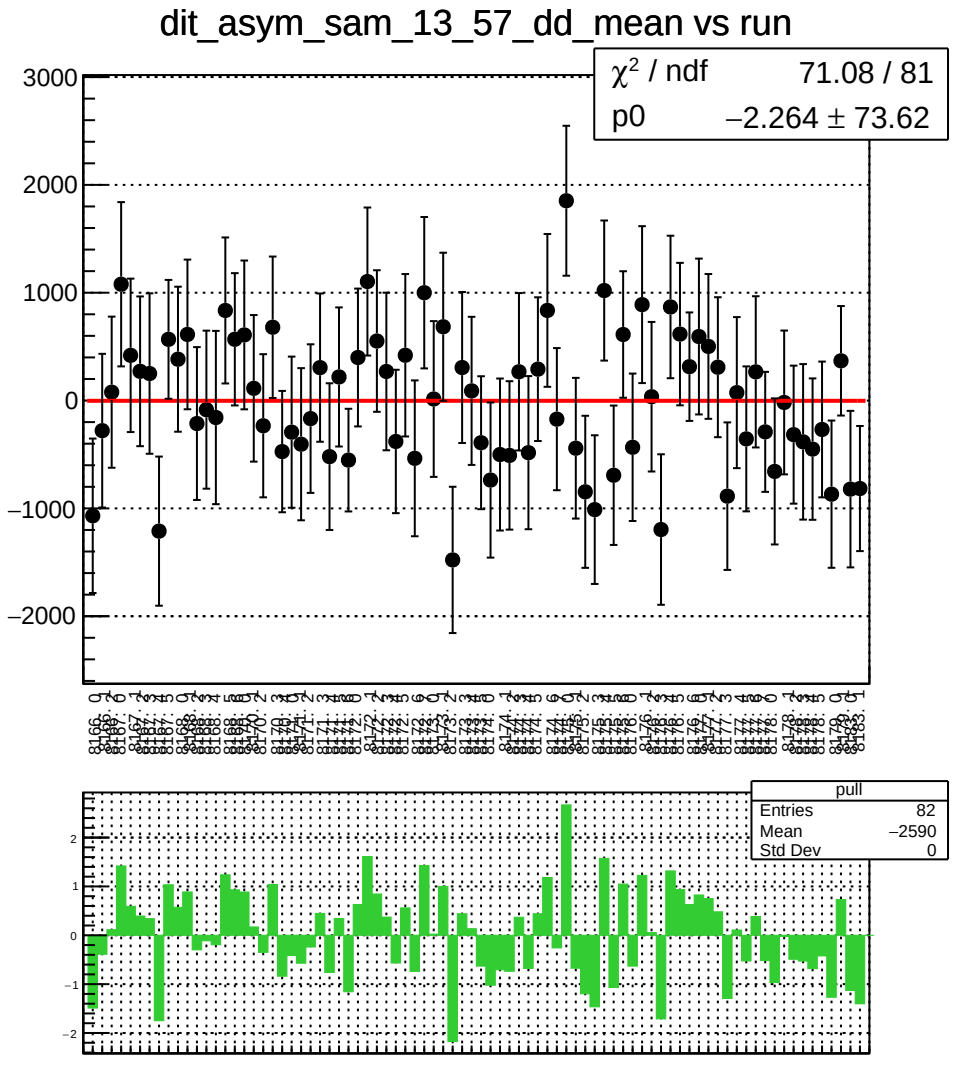

pull1D
Entries 82
Mean −0.002507
Std Dev 0.8314

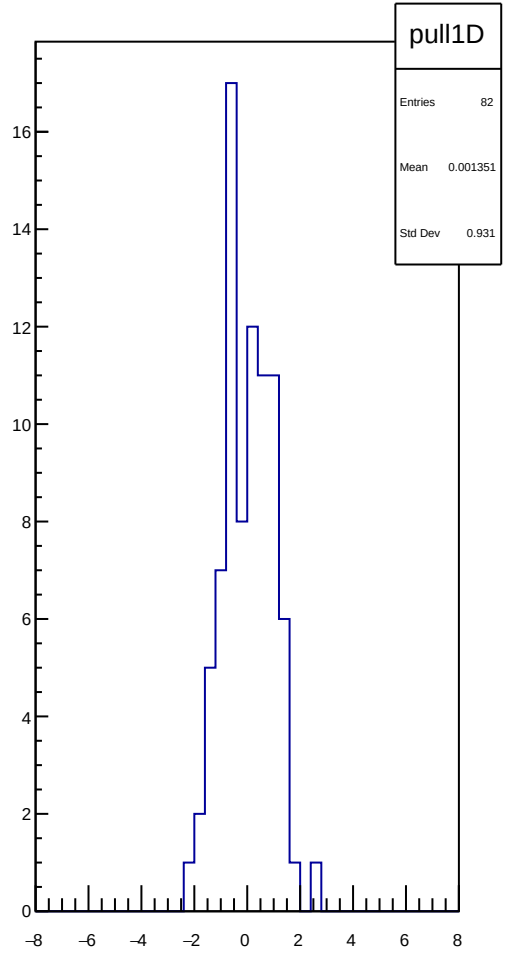

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 2959 / 81
p0 61.54 ± 0.04896
76
74
72
70
68
66
64
62
60
58
56

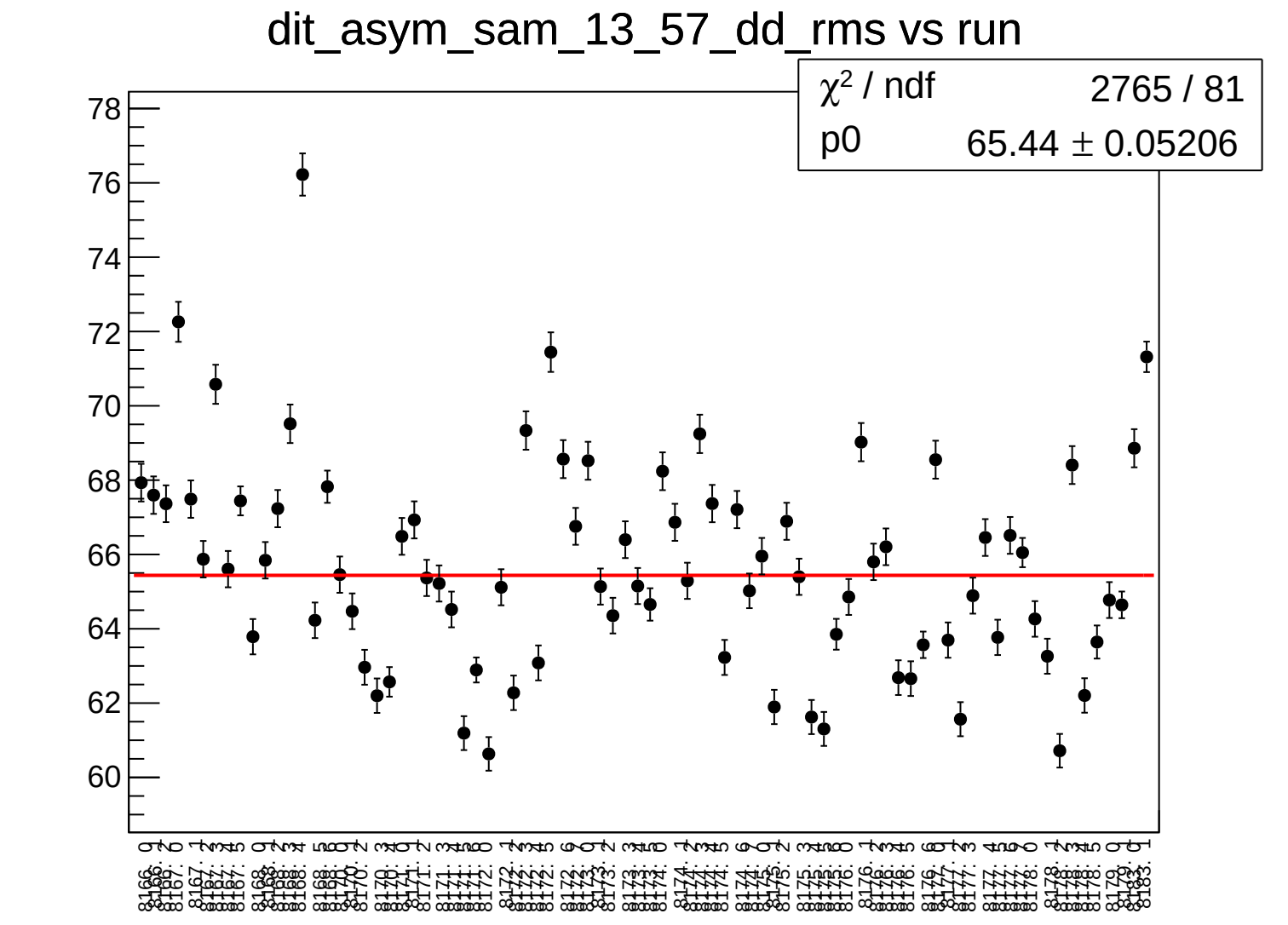

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 91.82 / 81
p0 −1078 ± 708.5
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −17.55
Std Dev 0
2
1
0
−1
−2

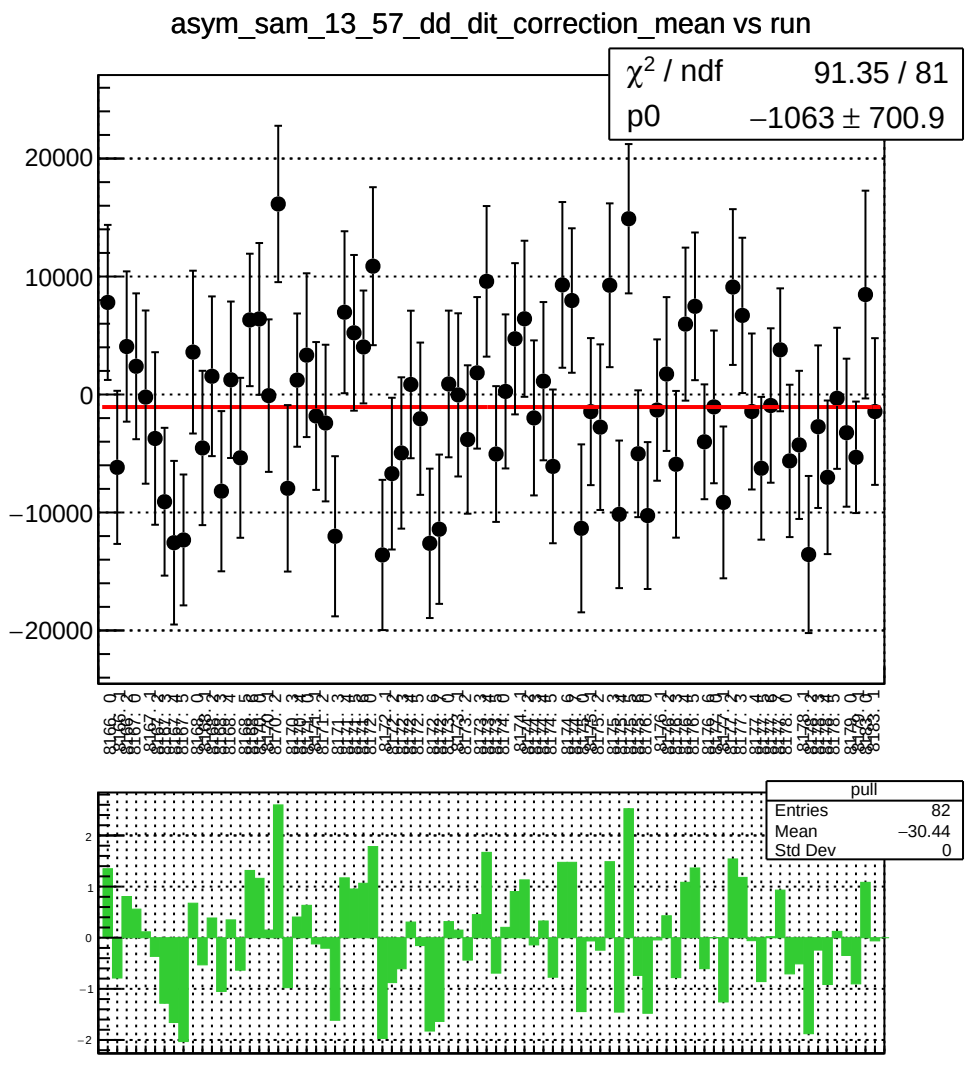

pull1D
Entries 82
Mean 0.008341
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

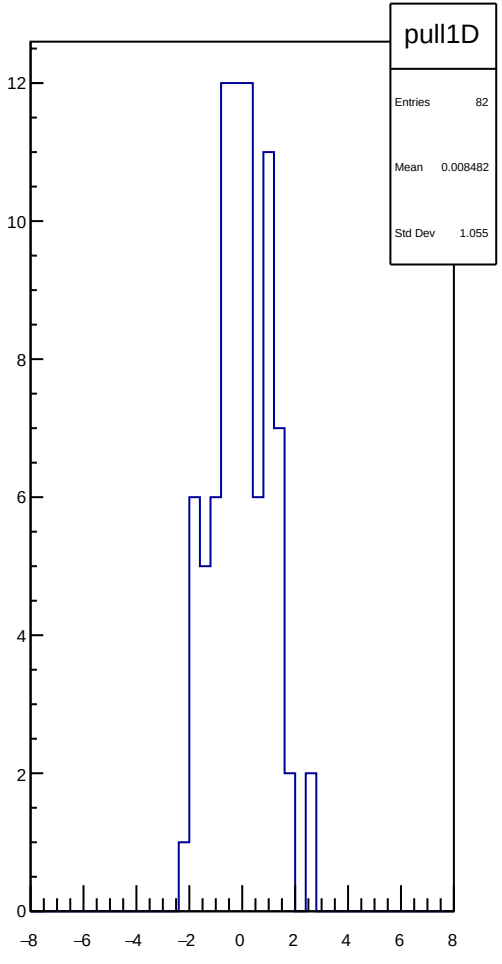

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 4892 / 81
p0 629.3 ± 0.501
850
800
750
700
650
600
550

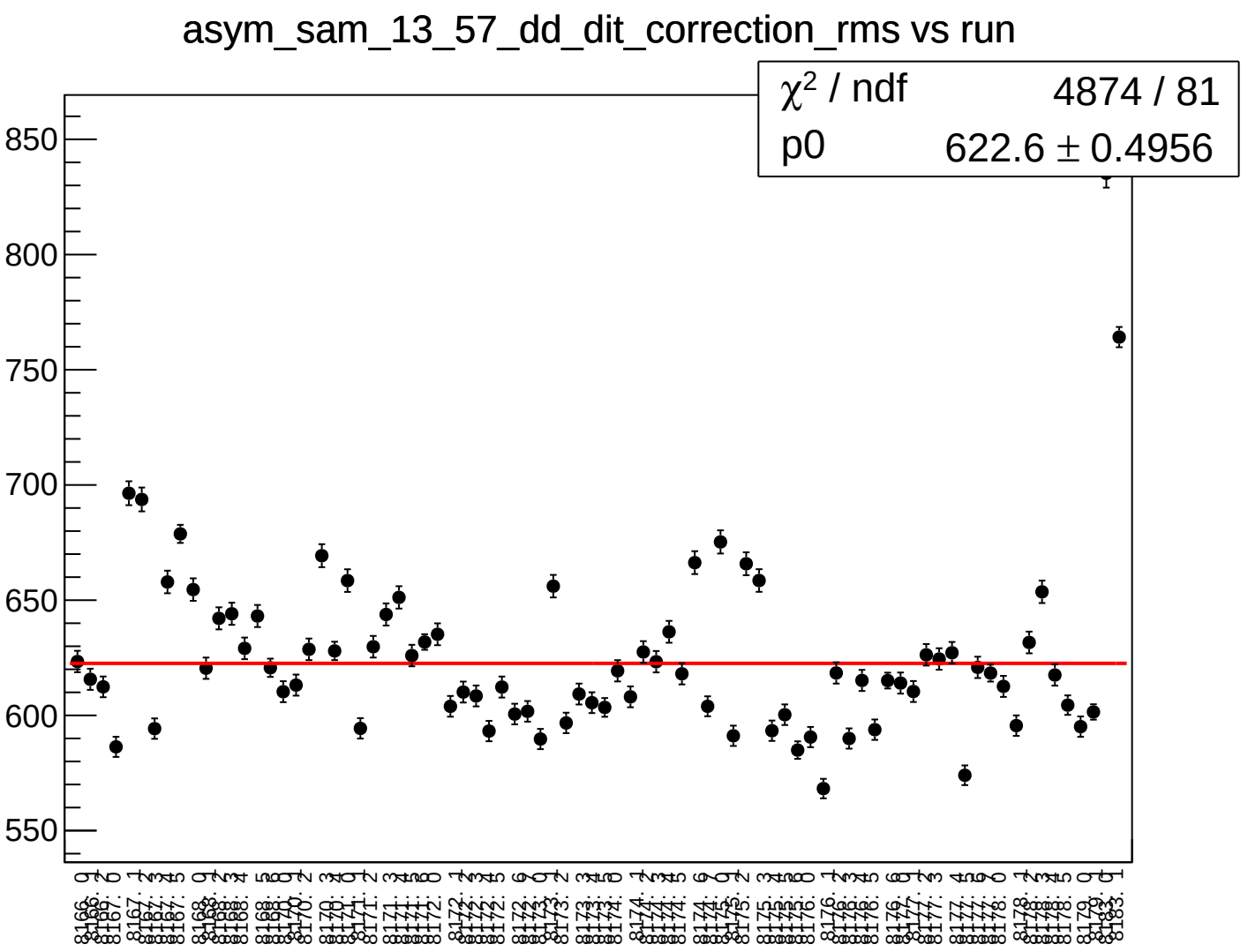

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 71.08 / 81
p0 −2.264 ± 73.62
3000
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −2590
Std Dev 0
2
1
0
−1
−2

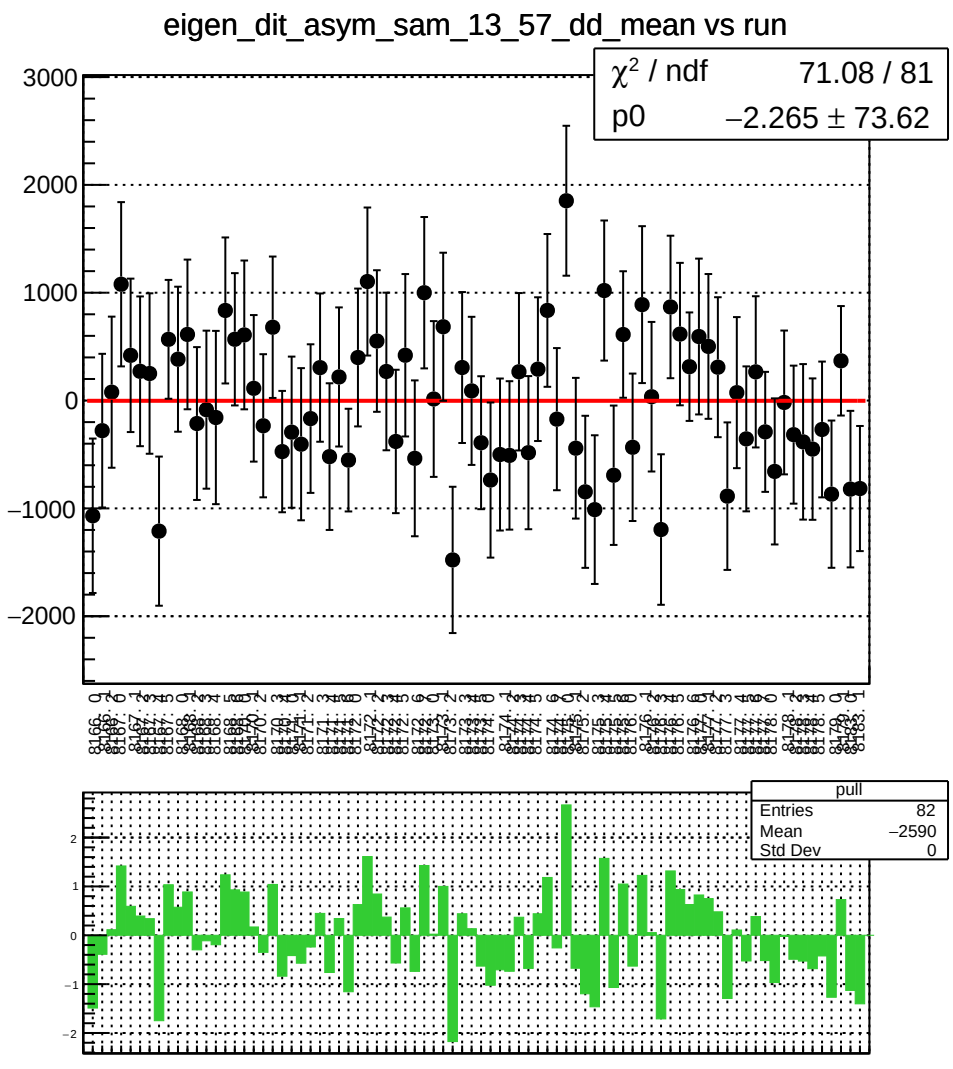

pull1D
Entries 82
Mean 0.001351
Std Dev 0.931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

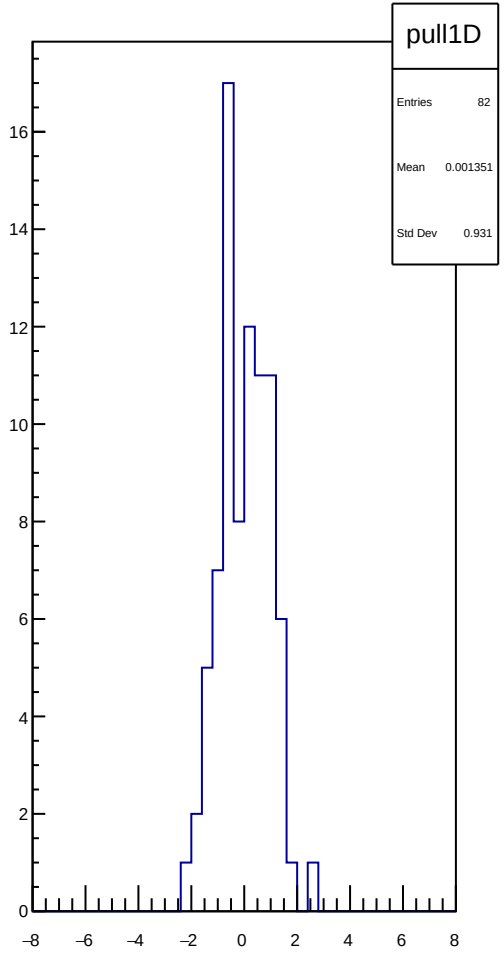

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2765 / 81
p0 65.44 ± 0.05206
78
76
74
72
70
68
66
64
62
60

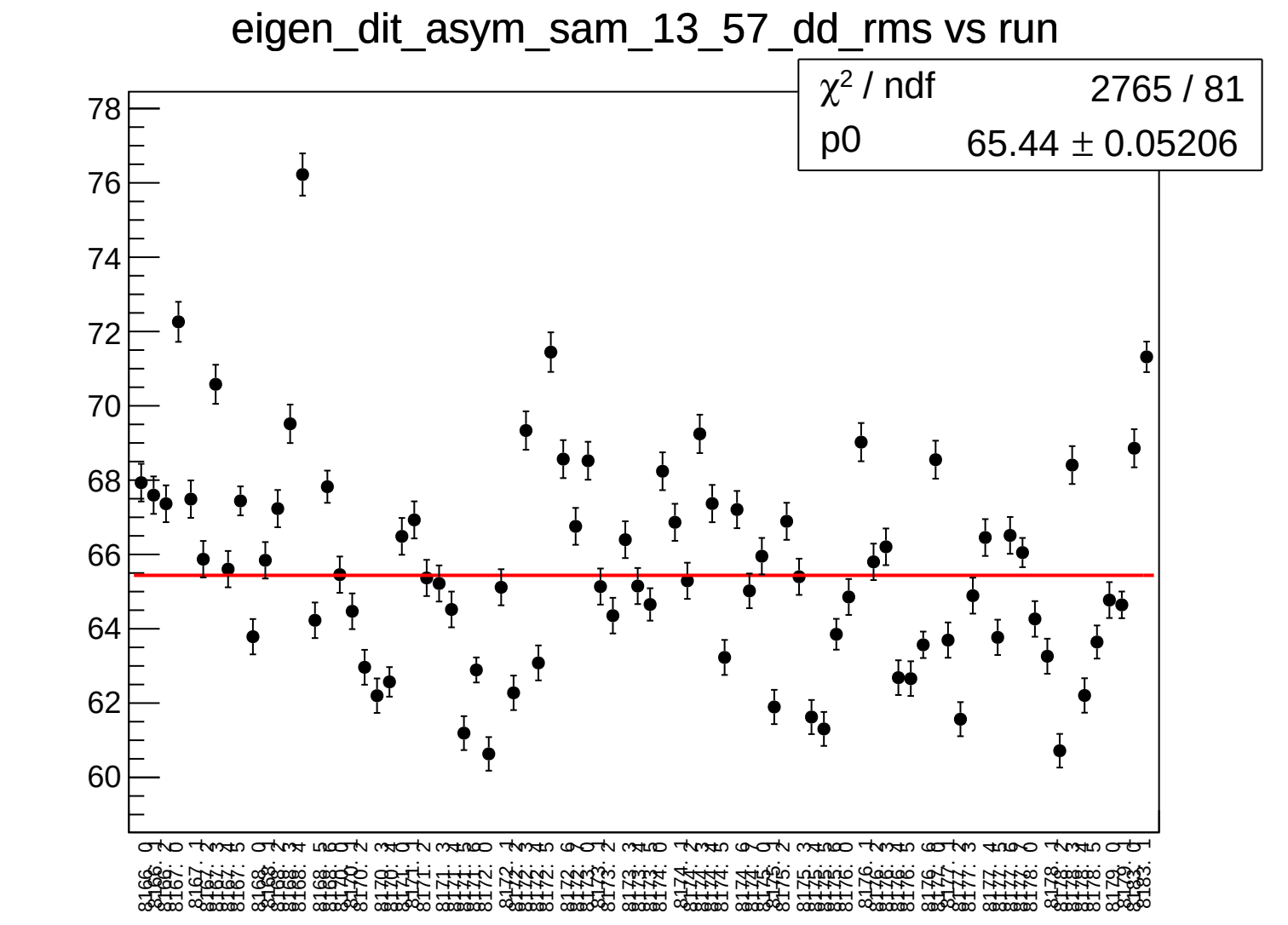

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 91.35 / 81
p0 −1063 ± 700.9
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −30.44
Std Dev 0
2
1
0
−1
−2

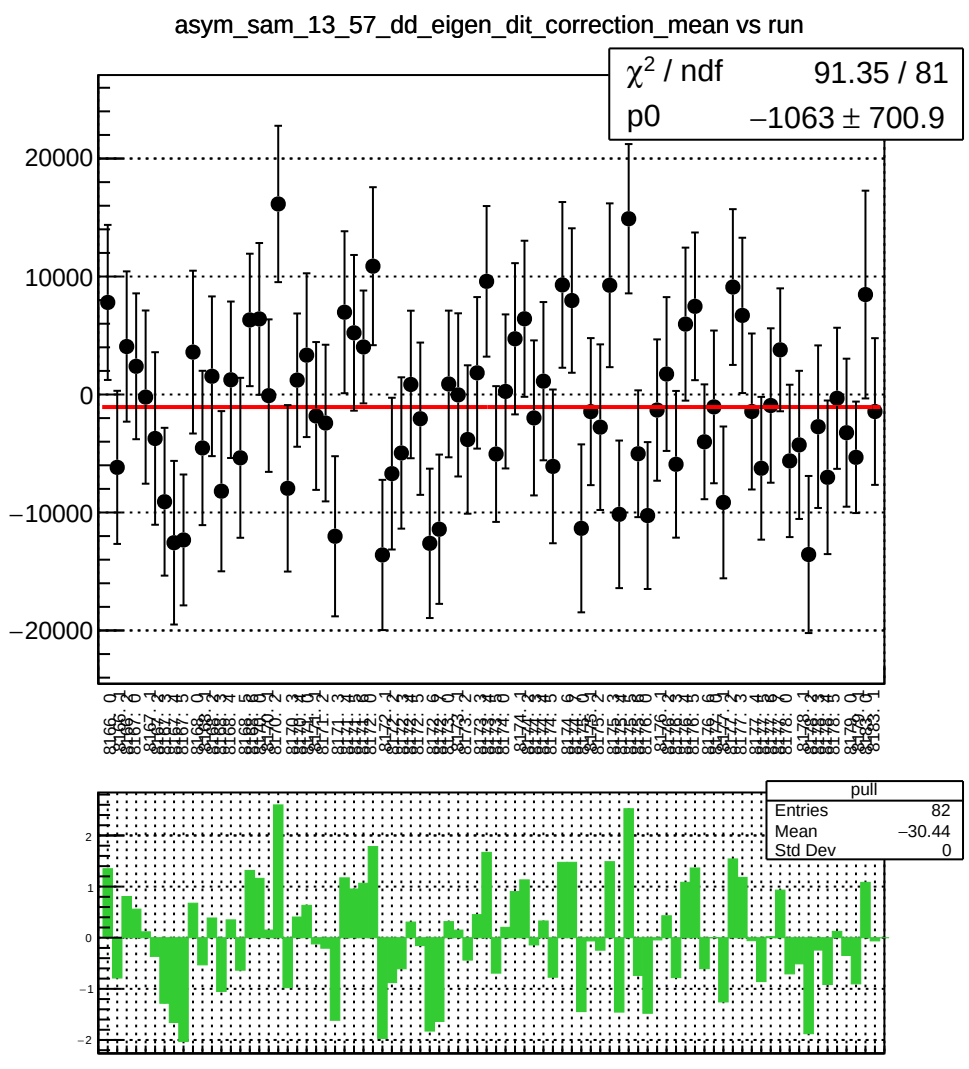

pull1D
Entries 82
Mean 0.008482
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

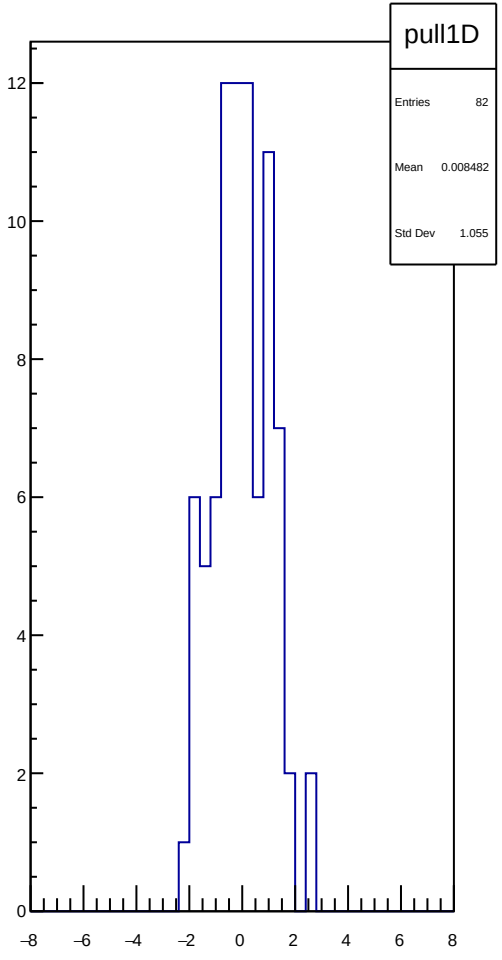

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 4874 / 81
p0 622.6 ± 0.4956
850
800
750
700
650
600
550

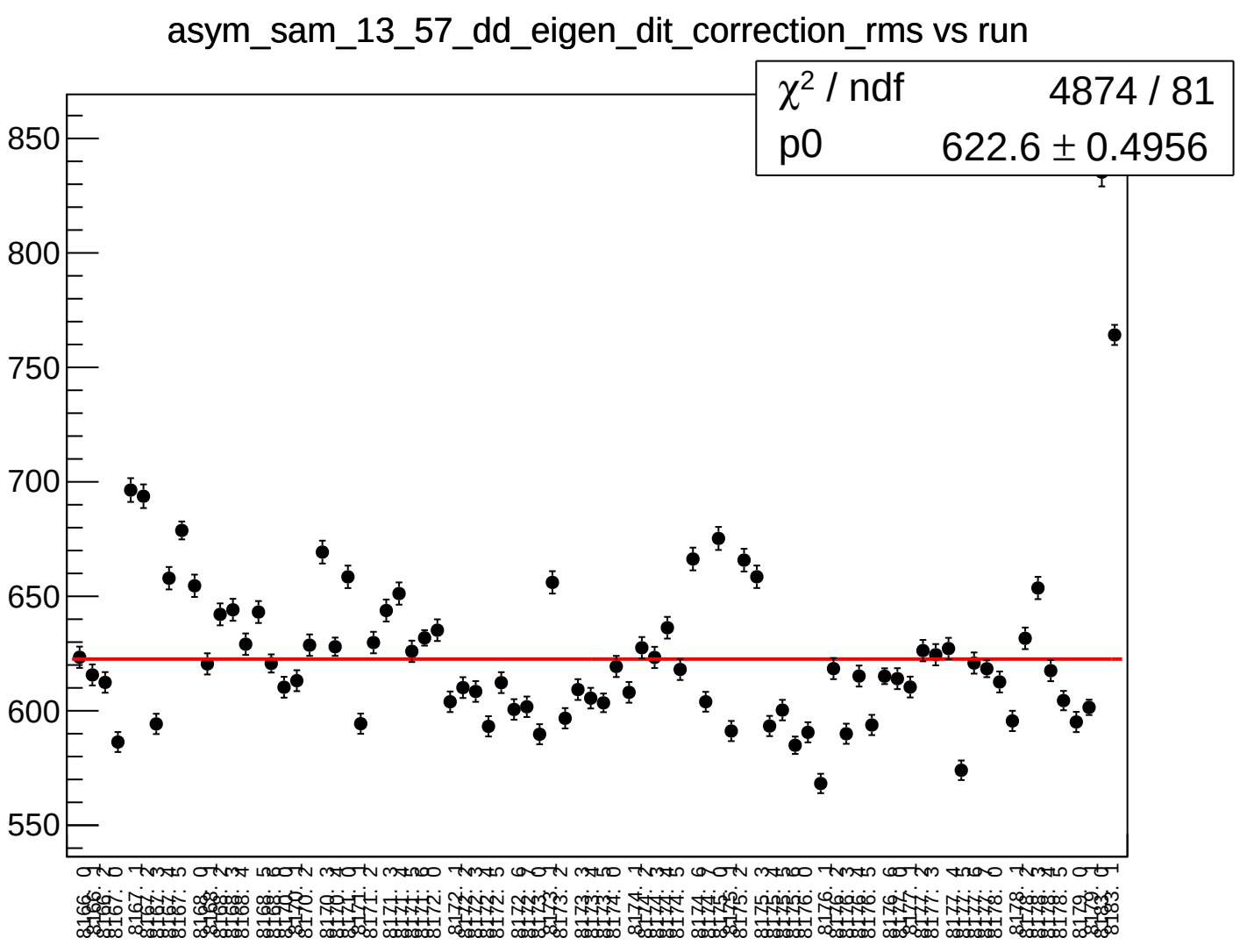

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 71.08 / 81
p0 −2.265 ± 73.62
3000
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −2590
Std Dev 0
2
1
0
−1
−2

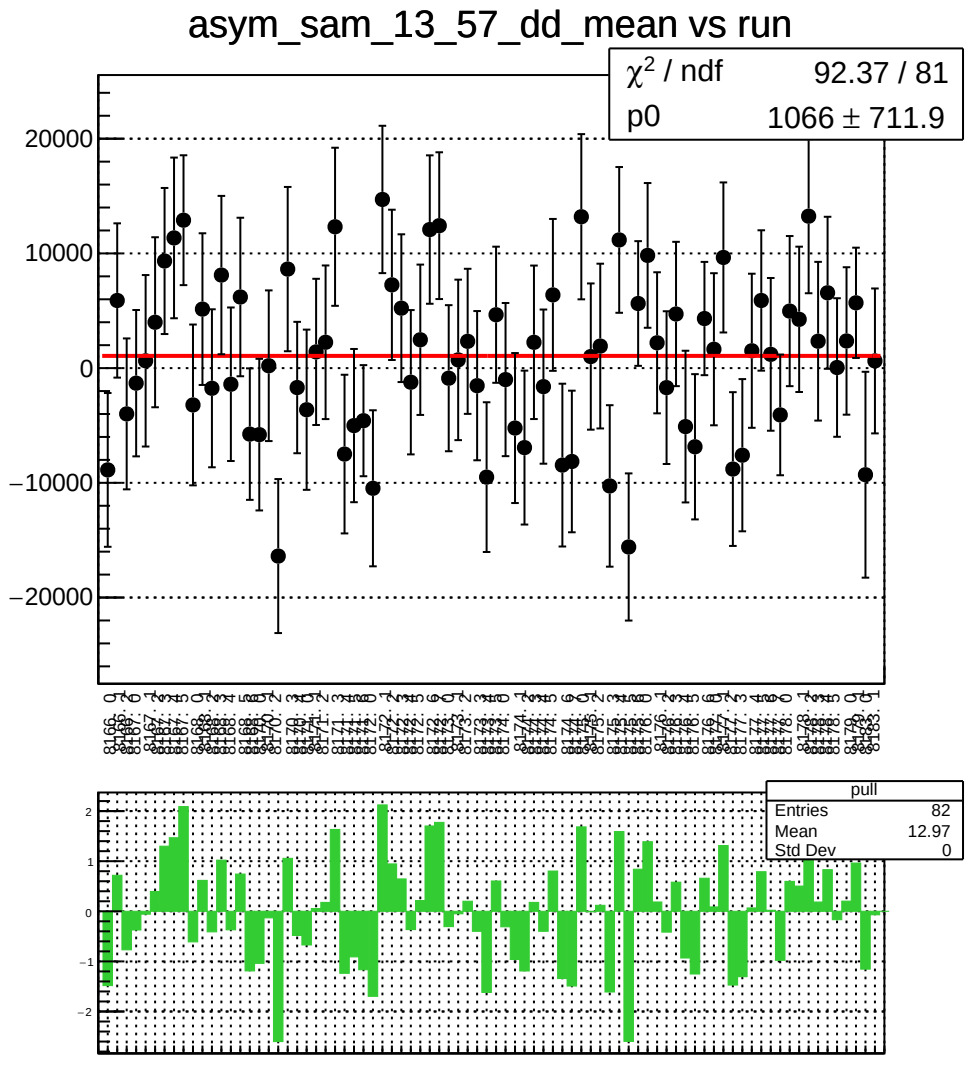

pull1D
Entries 82
Mean 0.001351
Std Dev 0.931
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

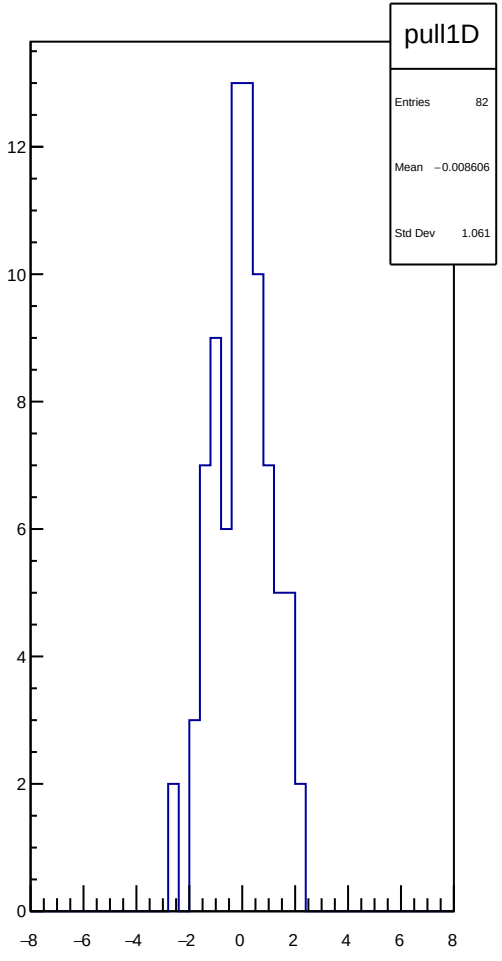

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2765 / 81
p0 65.44 ± 0.05206
78
76
74
72
70
68
66
64
62
60

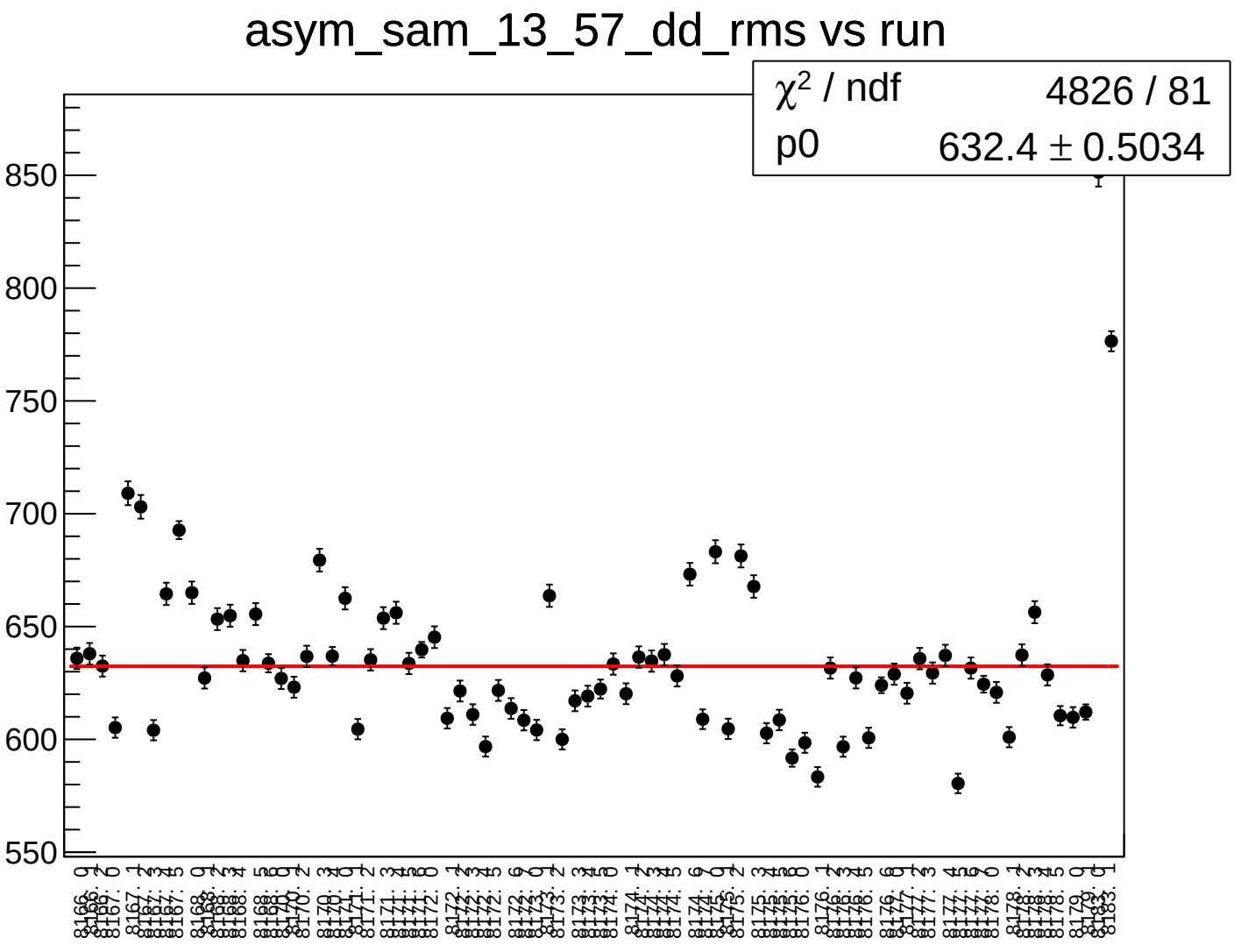

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 91.35 / 81
p0 −1063 ± 700.9
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −30.44
Std Dev 0
2
1
0
−1
−2

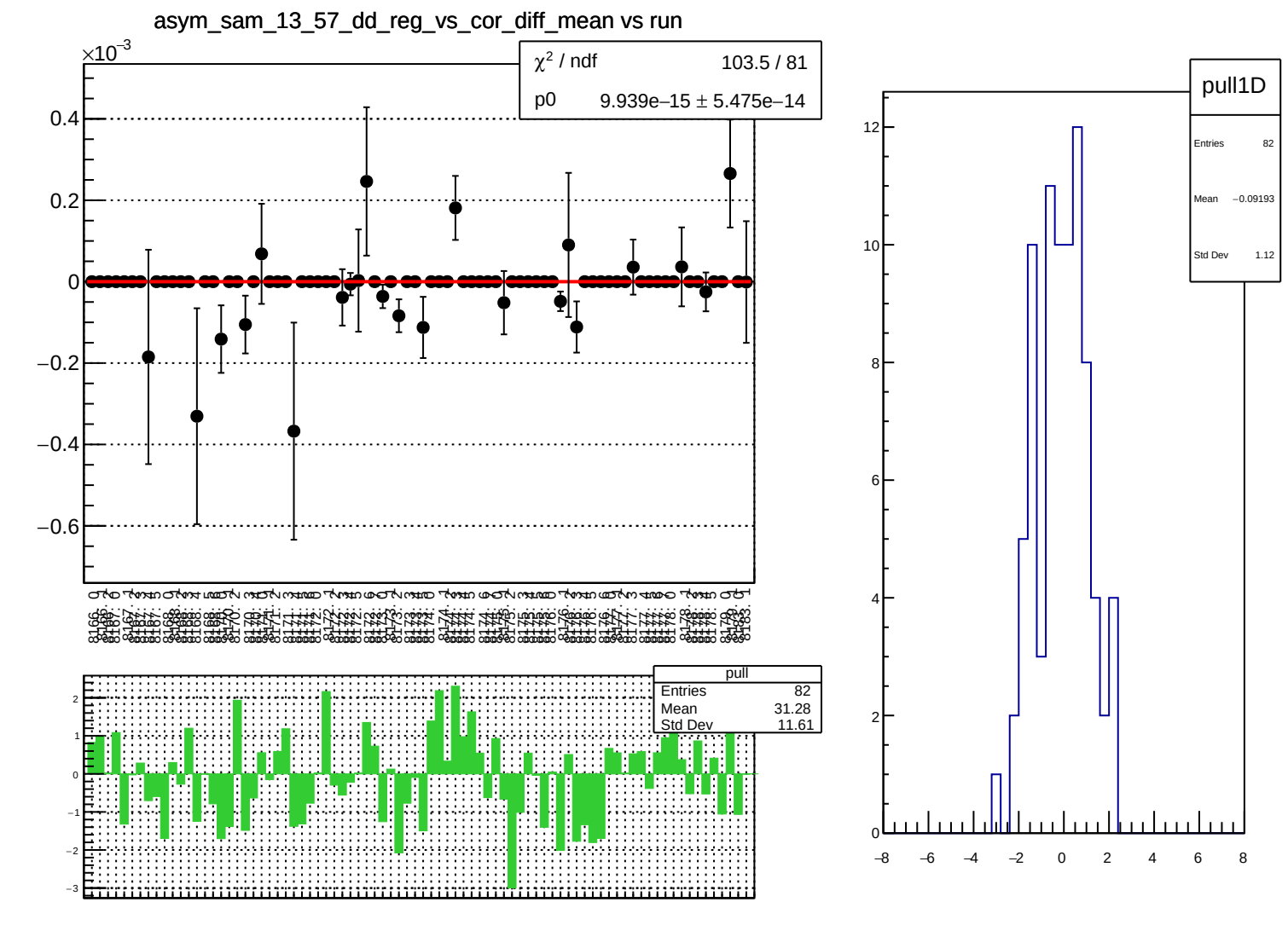

pull1D
Entries 82
Mean 0.008482
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

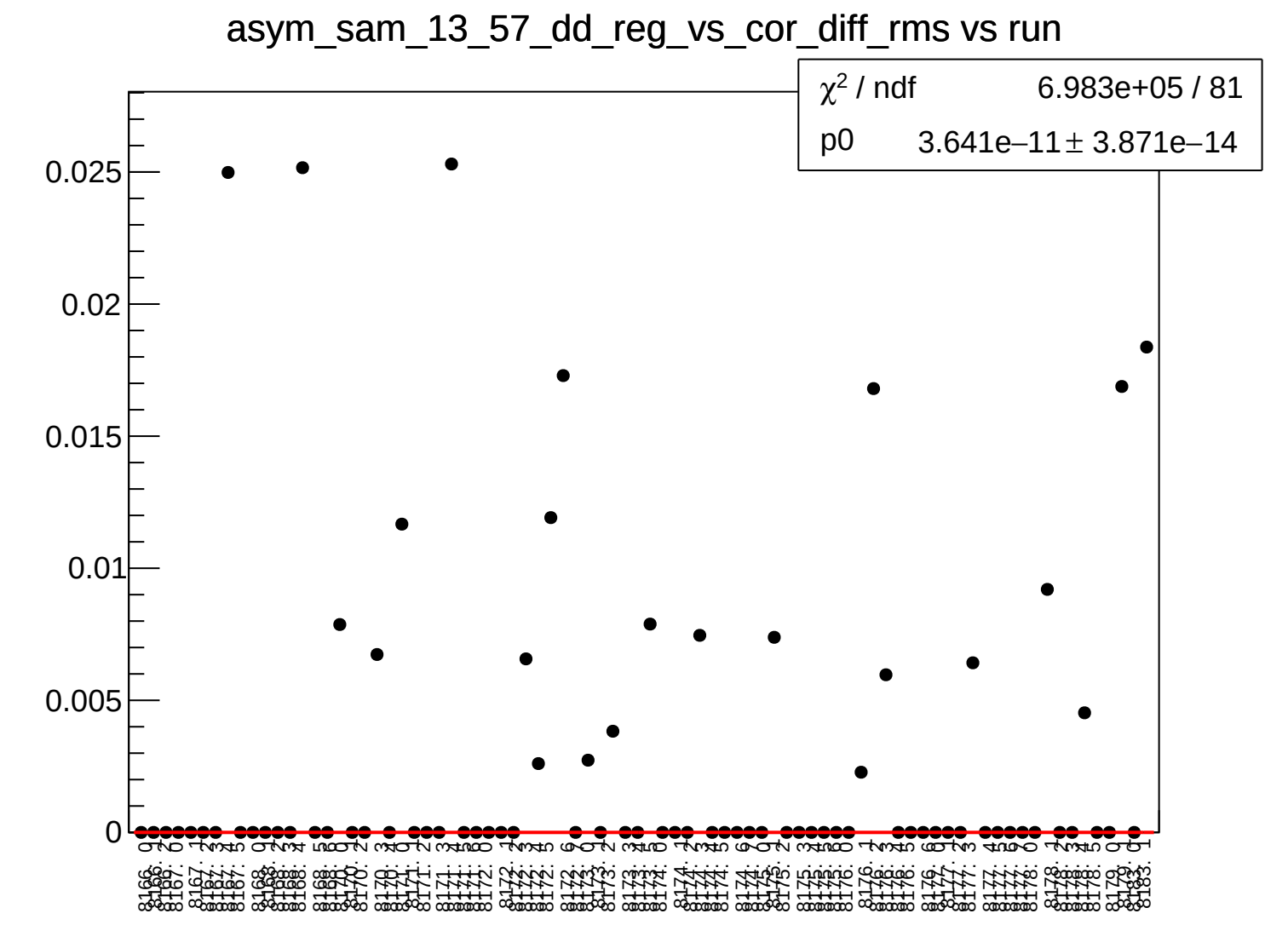

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 4874 / 81
p0 622.6 ± 0.4956
850
800
750
700
650
600
550

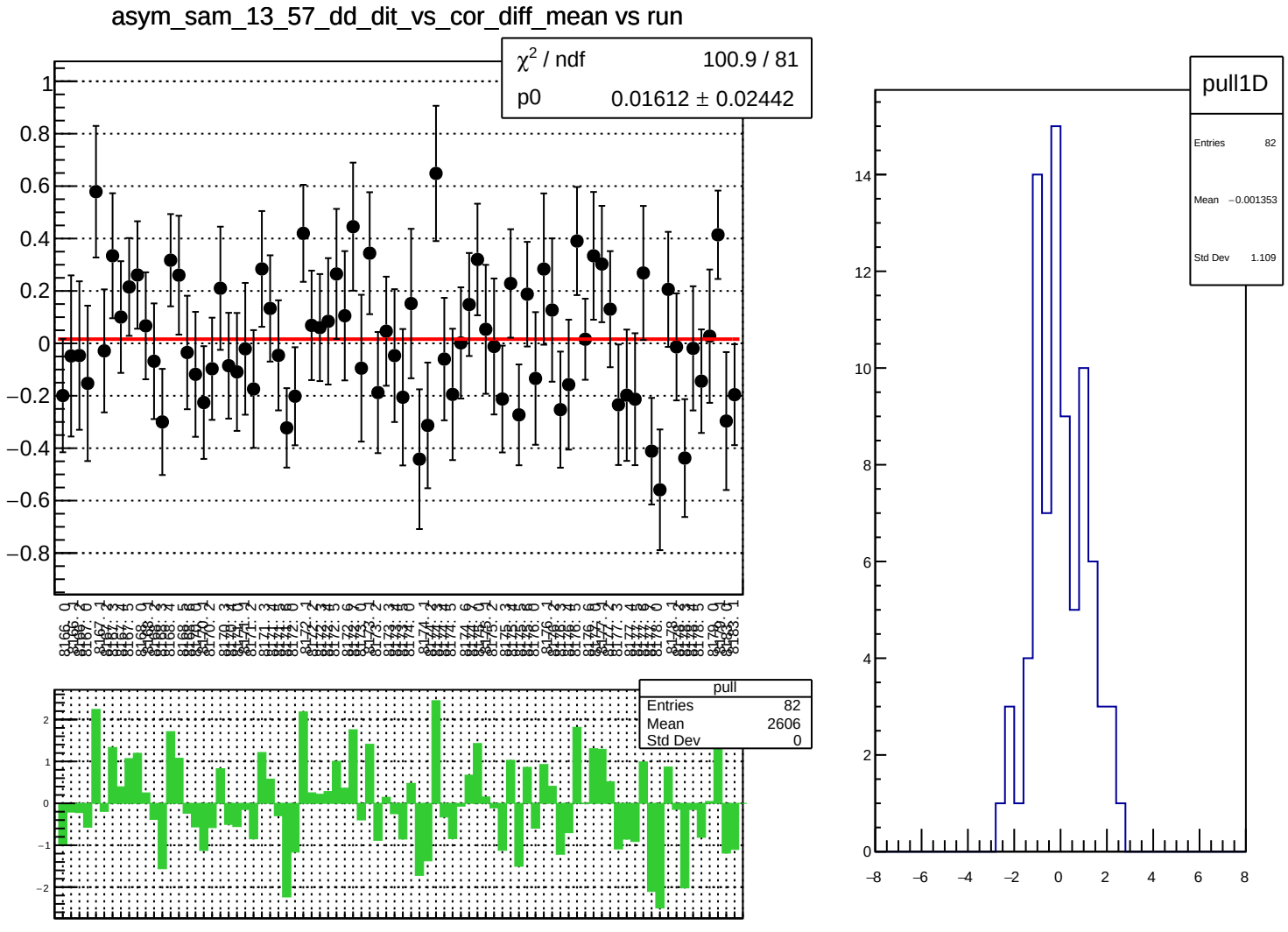

asym_sam_13_57_dd_mean vs run
χ² / ndf 92.37 / 81
p0 1066 ± 711.9
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 12.97
Std Dev 0
2
1
0
−1
−2

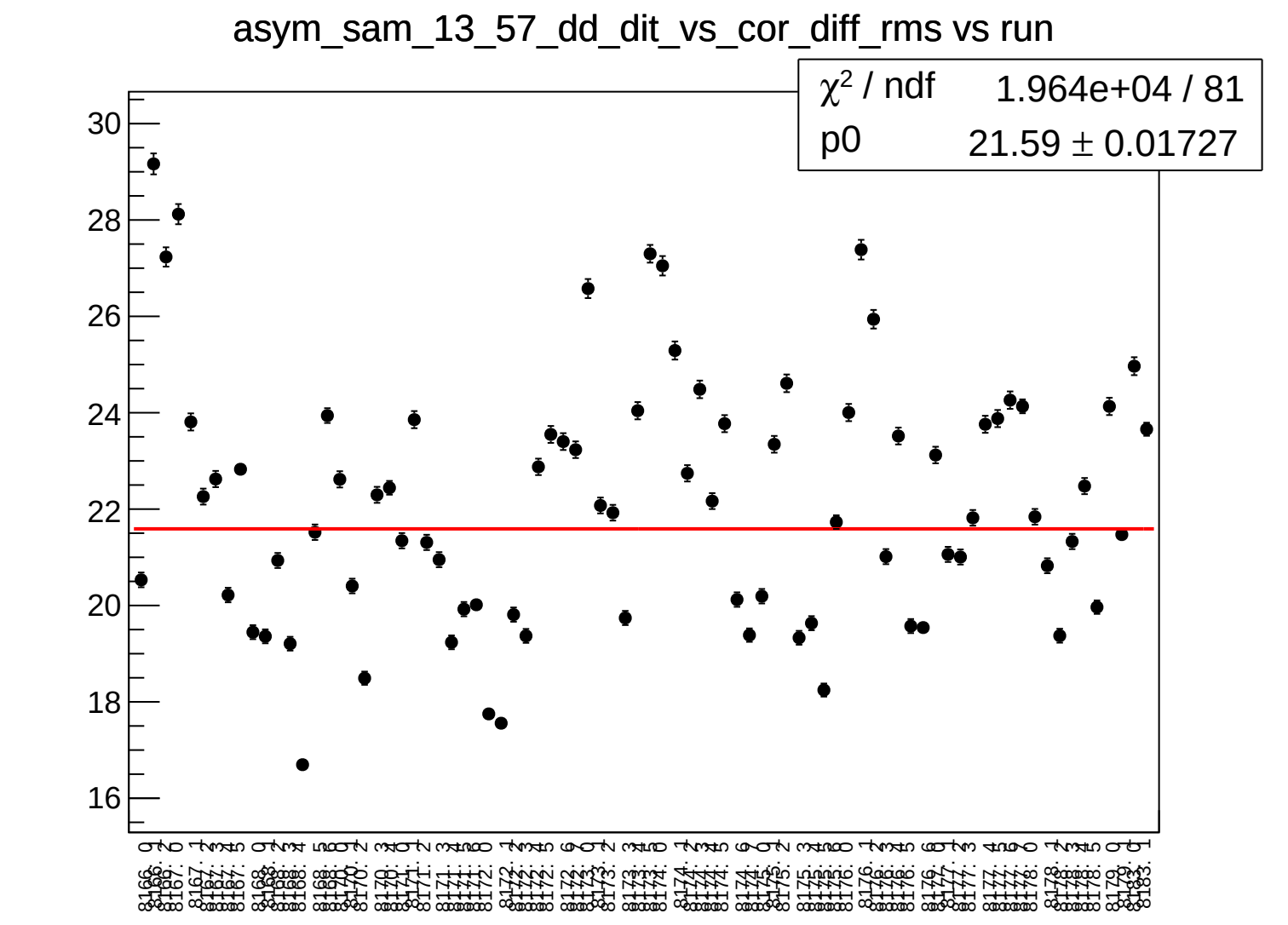

pull1D
Entries 82
Mean −0.008606
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

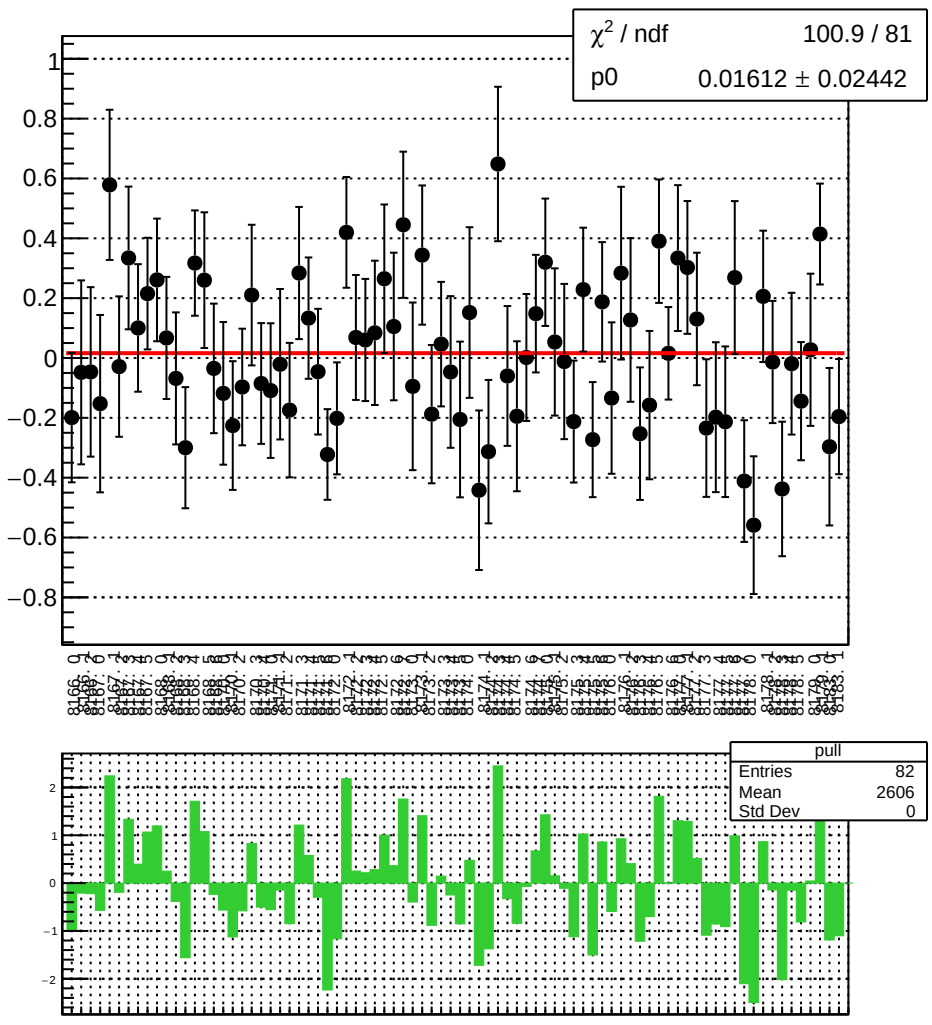

asym_sam_13_57_dd_rms vs run
χ² / ndf 4826 / 81
p0 632.4 ± 0.5034
850
800
750
700
650
600
550

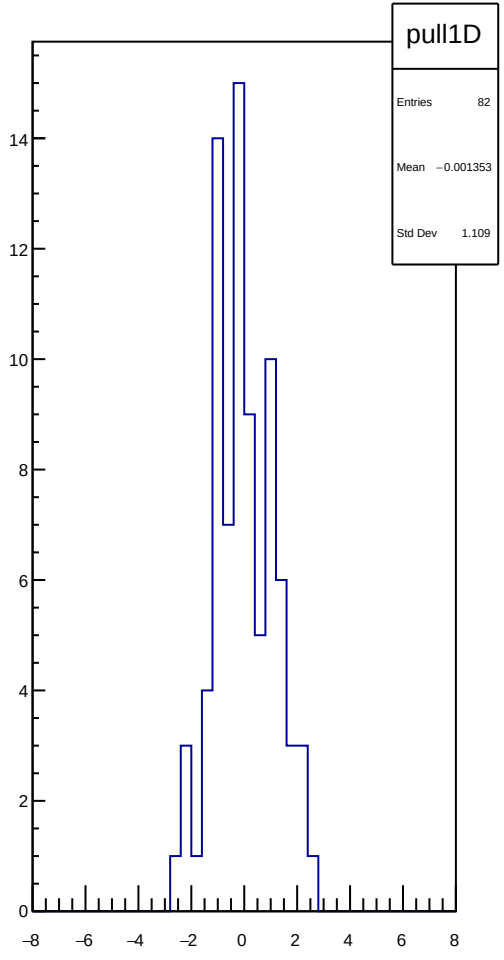

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 103.5 / 81
p0 9.939e−15 ± 5.475e−14
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 82
Mean 31.28
Std Dev 11.61
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.09193
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

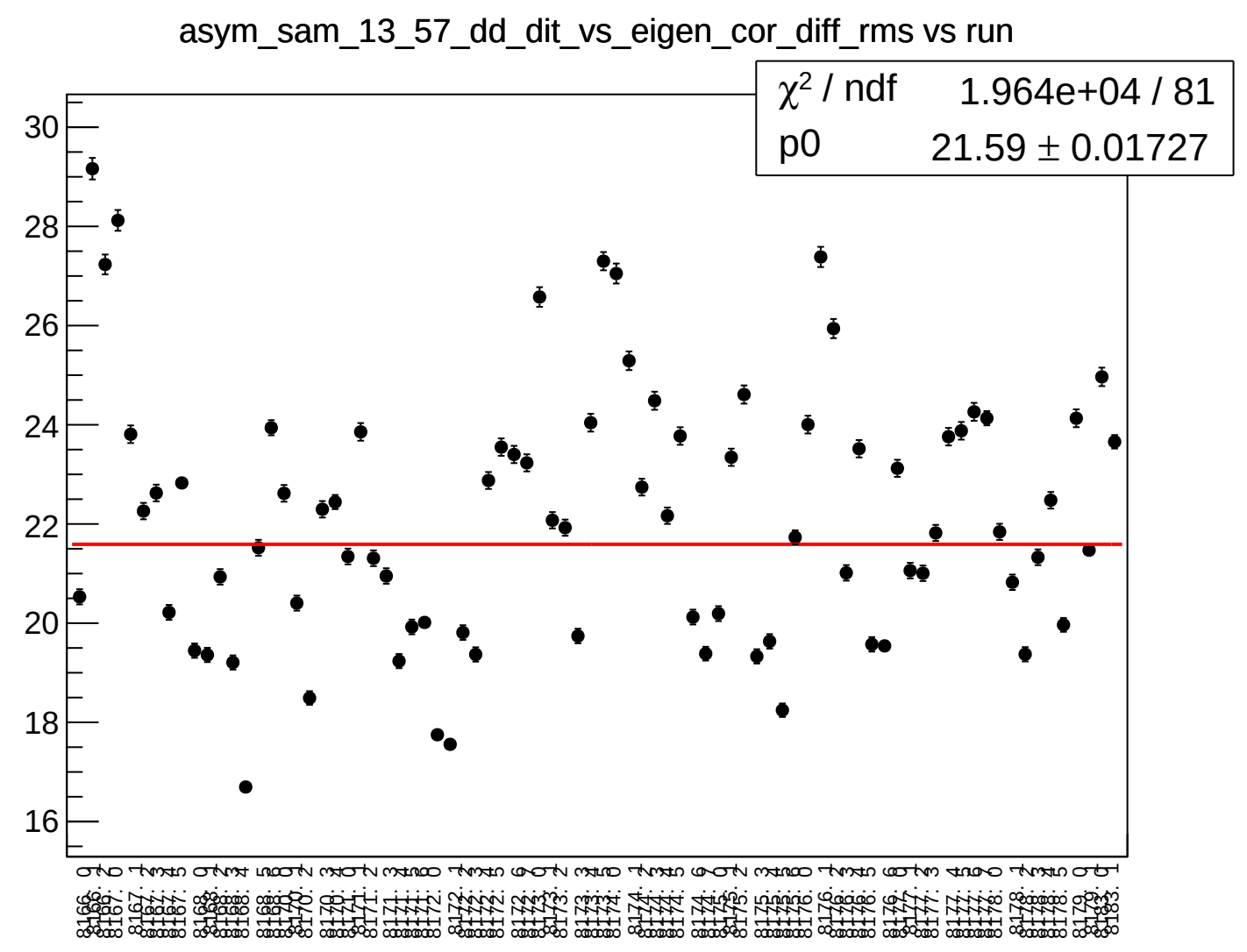

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.983e+05 / 81
p0 3.641e−11 ± 3.871e−14
0.025
0.02
0.015
0.01
0.005
0

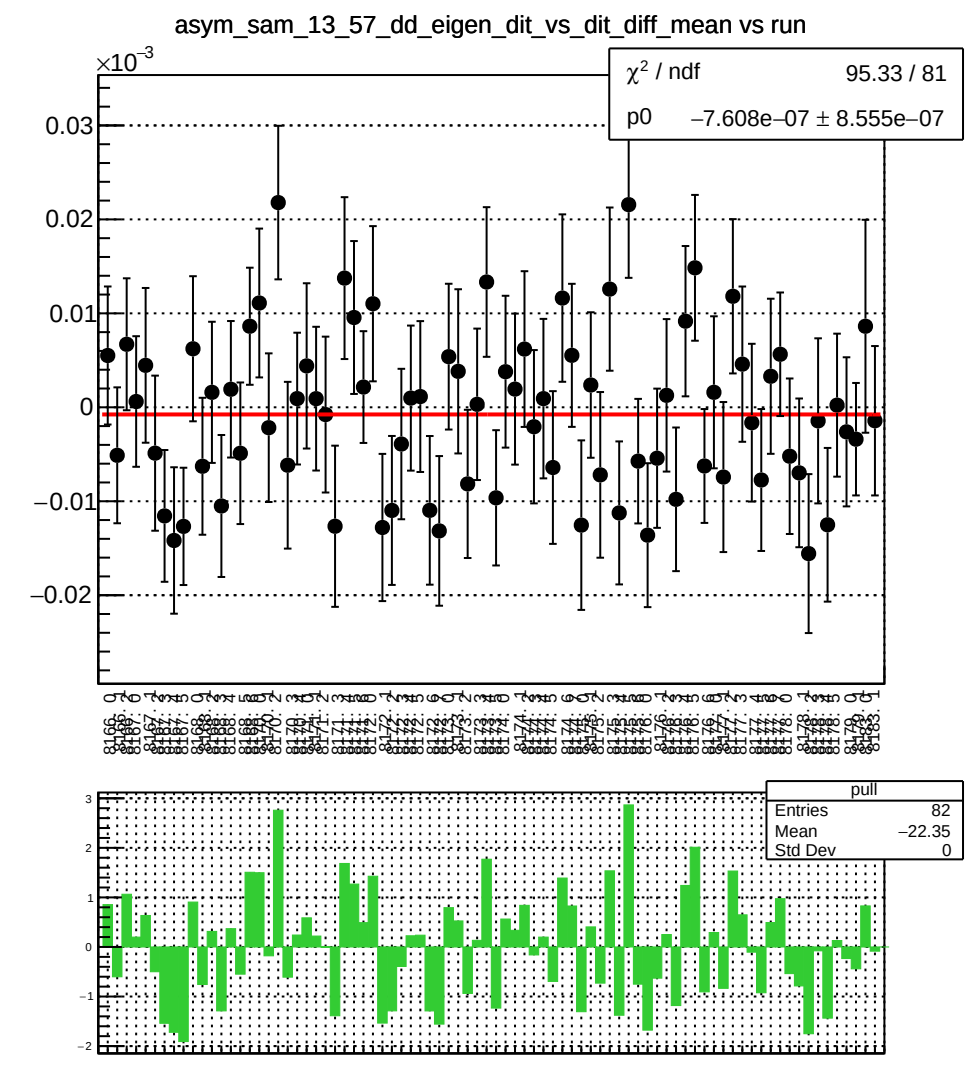

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 100.9 / 81
p0 0.01612 ± 0.02442
pull
Entries 82
Mean 2606
Std Dev 0
pull1D
Entries 82
Mean −0.001353
Std Dev 1.109

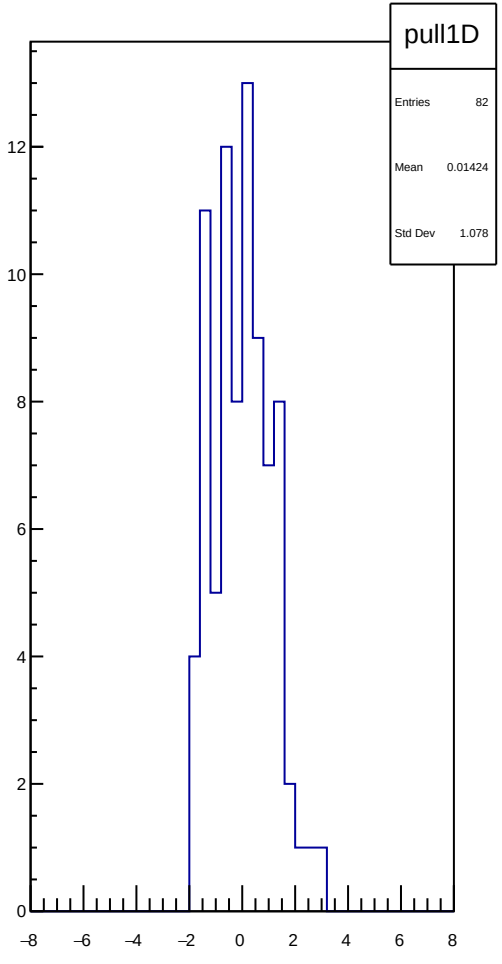

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.964e+04 / 81
p0 21.59 ± 0.01727
30
28
26
24
22
20
18
16

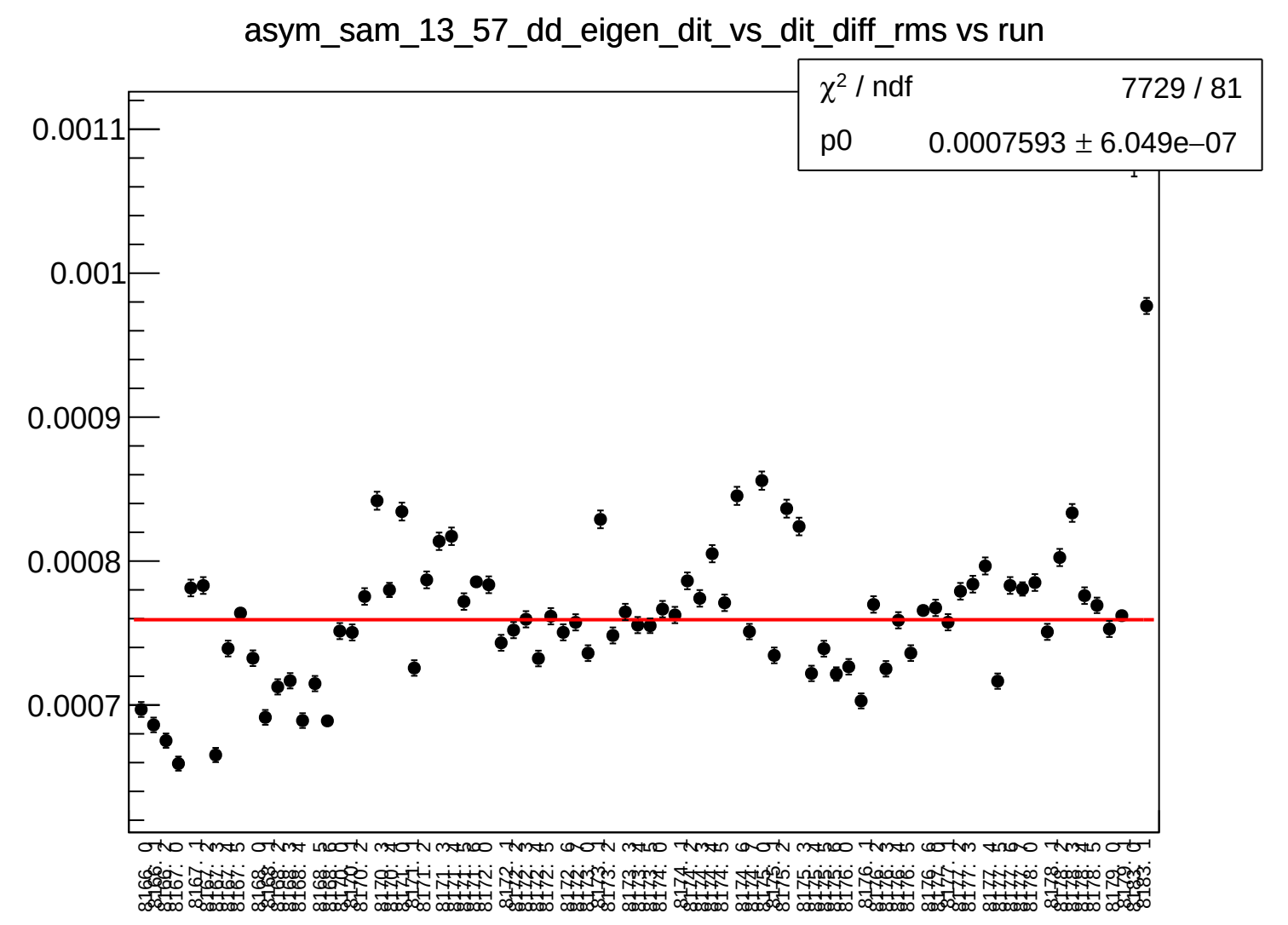

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 100.9 / 81
p0 0.01612 ± 0.02442
pull
Entries 82
Mean 2606
Std Dev 0

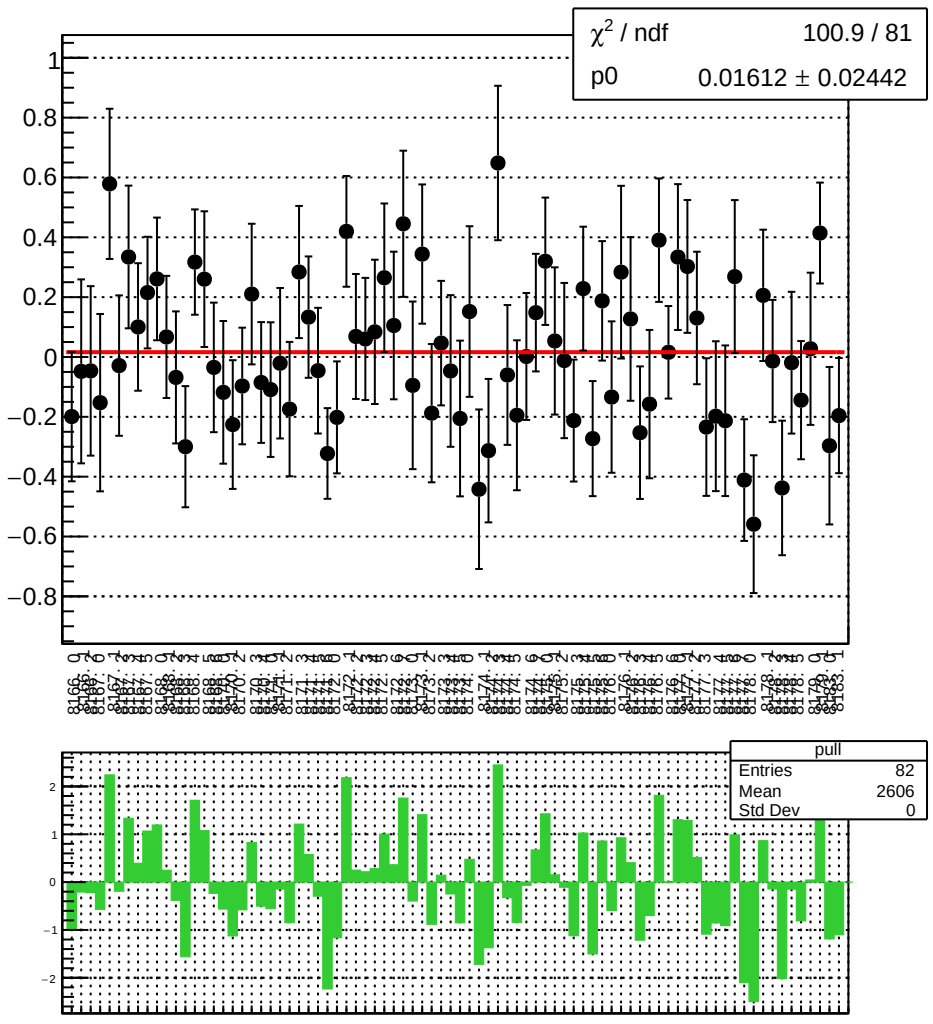

pull1D
Entries 82
Mean −0.001353
Std Dev 1.109

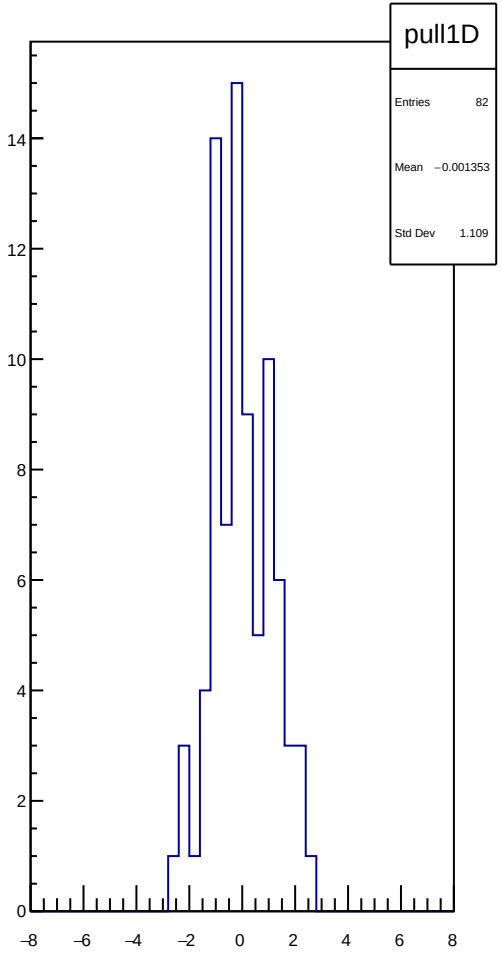

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.964e+04 / 81
p0 21.59 ± 0.01727
30
28
26
24
22
20
18
16

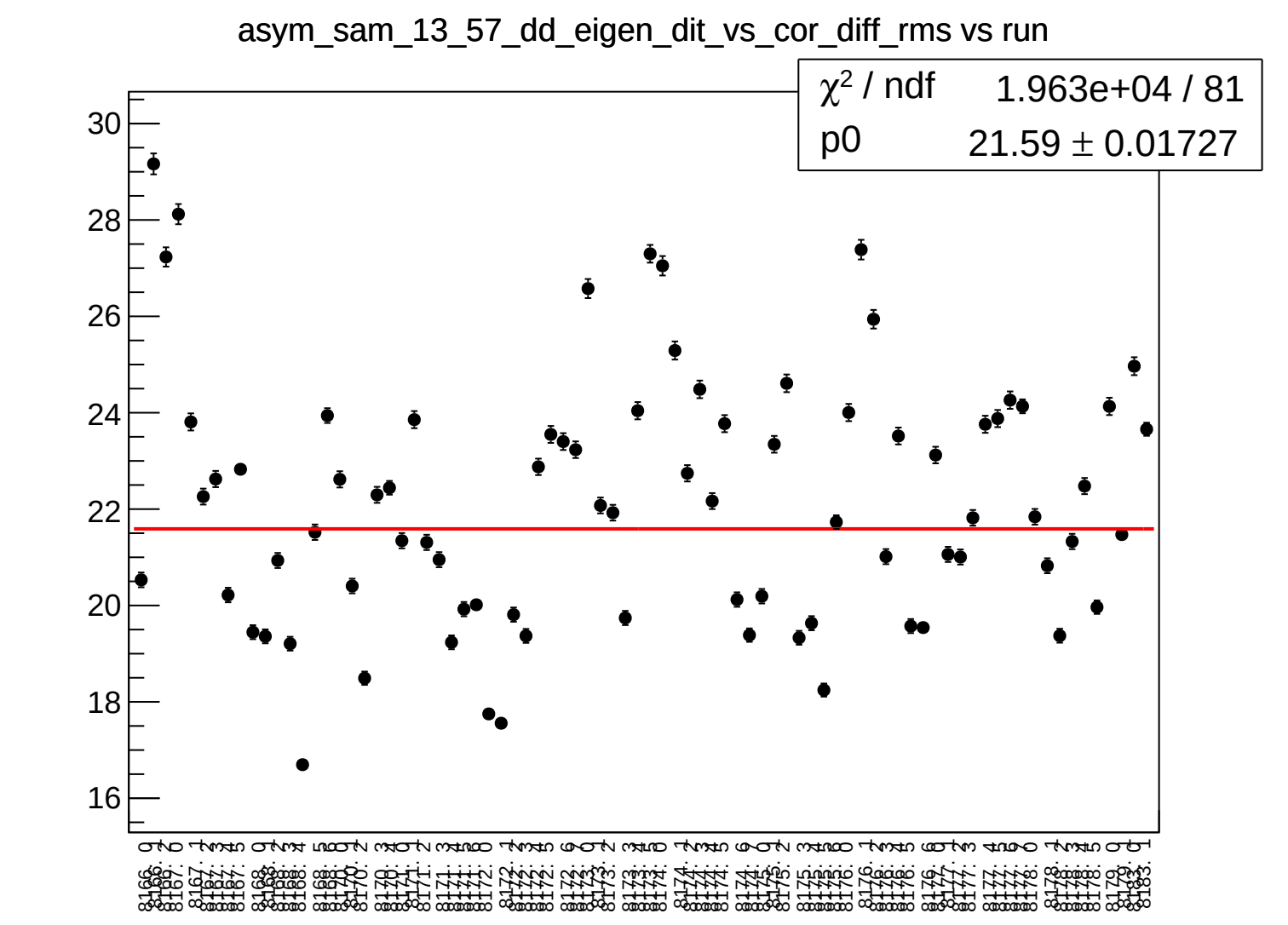

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 95.33 / 81
p0 −7.608e−07 ± 8.555e−07
pull
Entries 82
Mean −22.35
Std Dev 0


pull1D
Entries 82
Mean 0.01424
Std Dev 1.078

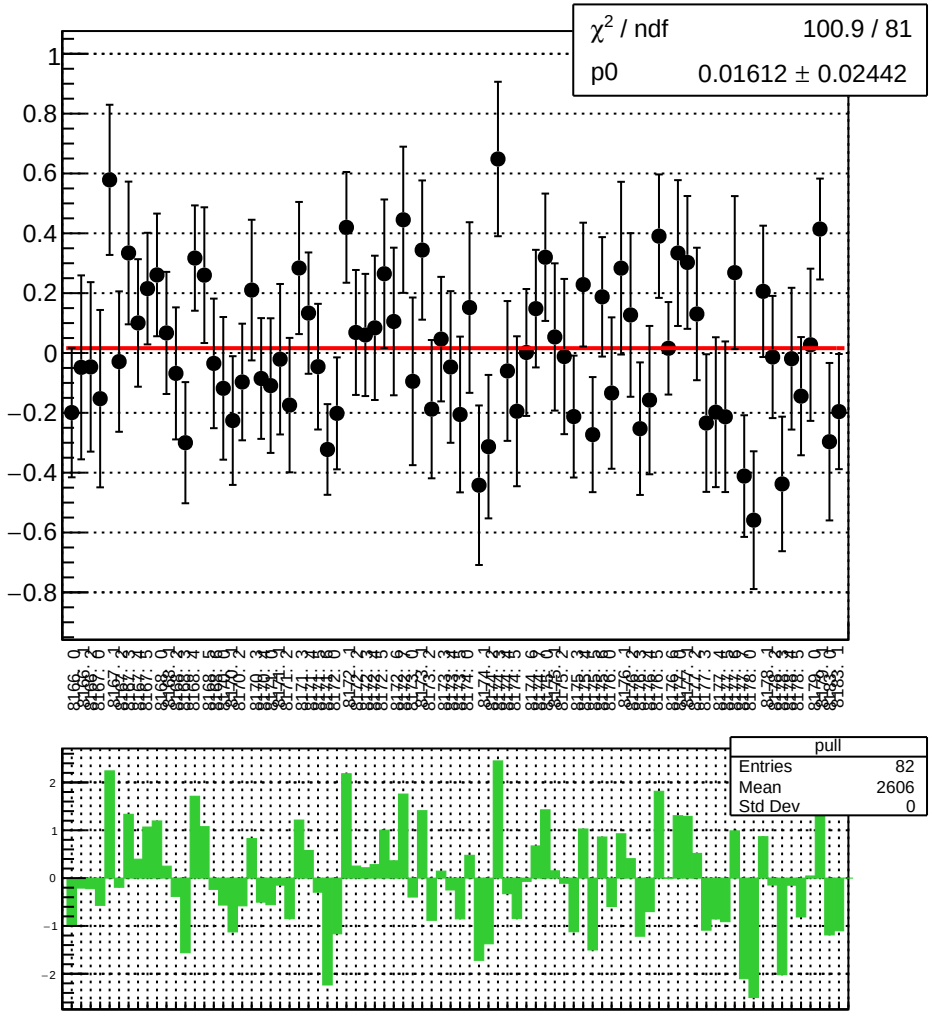

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7729 / 81
p0 0.0007593 ± 6.049e−07
0.0011
0.001
0.0009
0.0008
0.0007

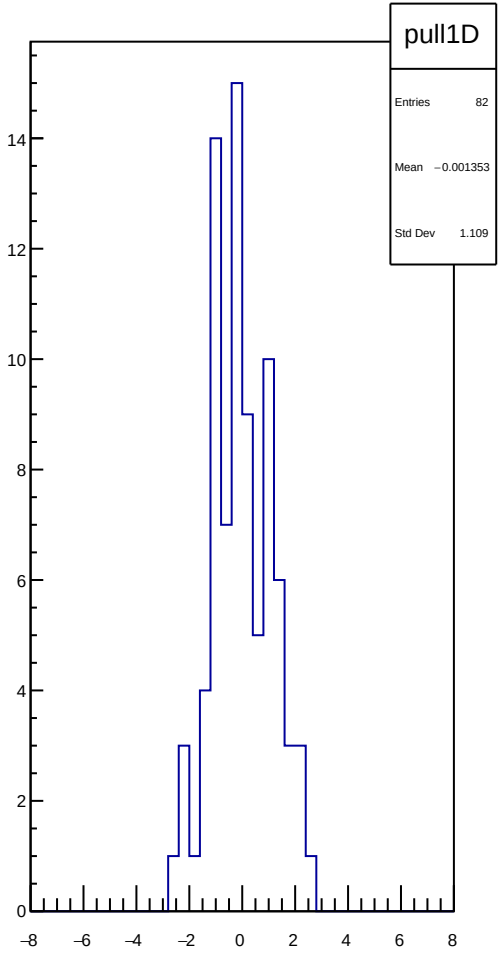

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 100.9 / 81
p0 0.01612 ± 0.02442
pull
Entries 82
Mean 2606
Std Dev 0

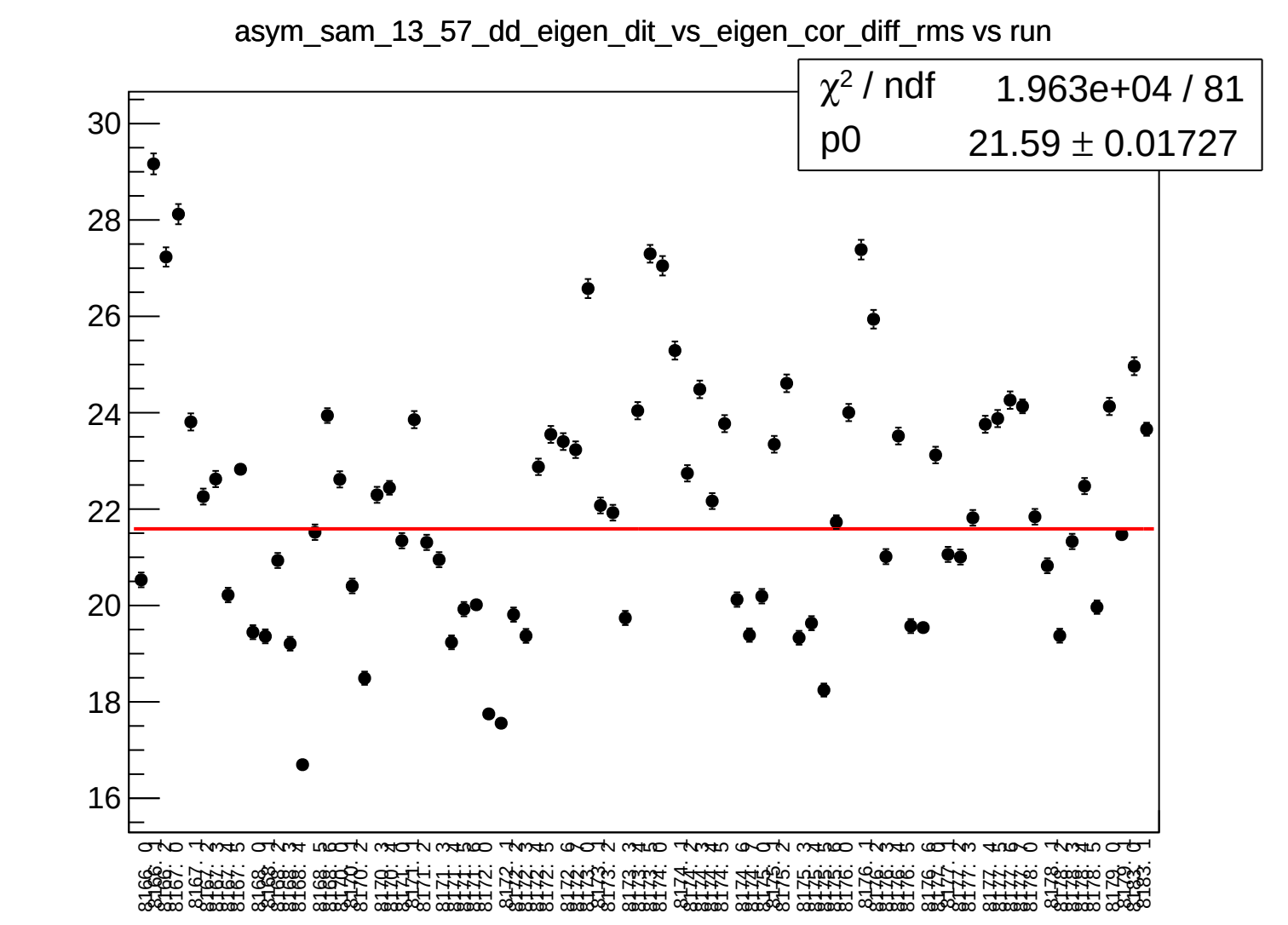

pull1D
Entries 82
Mean −0.001353
Std Dev 1.109

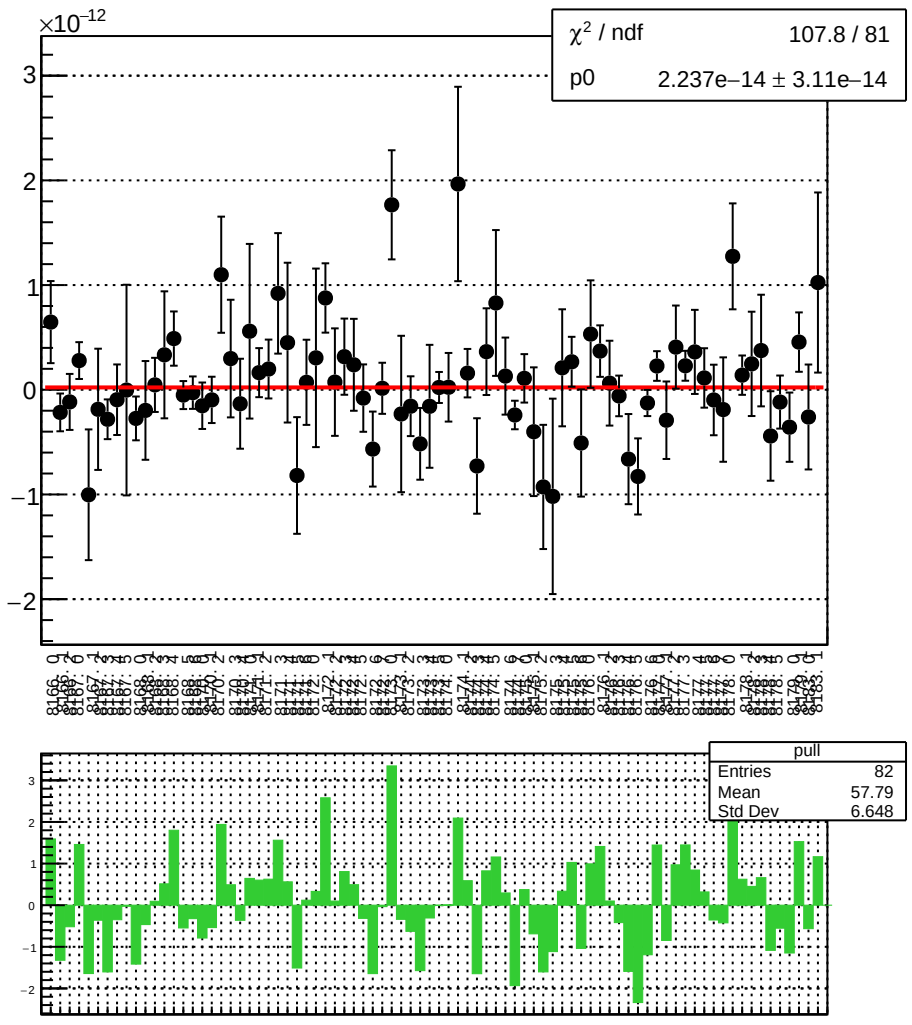

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.963e+04 / 81
p0 21.59 ± 0.01727
30
28
26
24
22
20
18
16

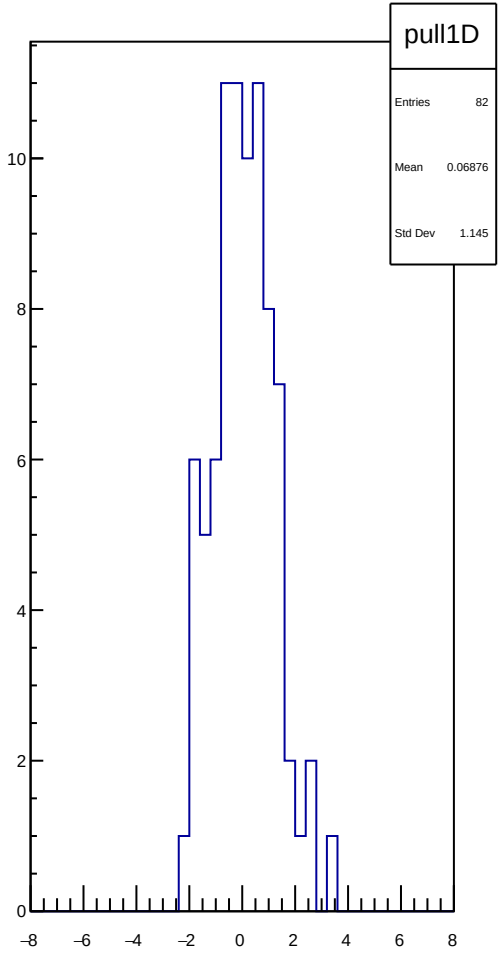
asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

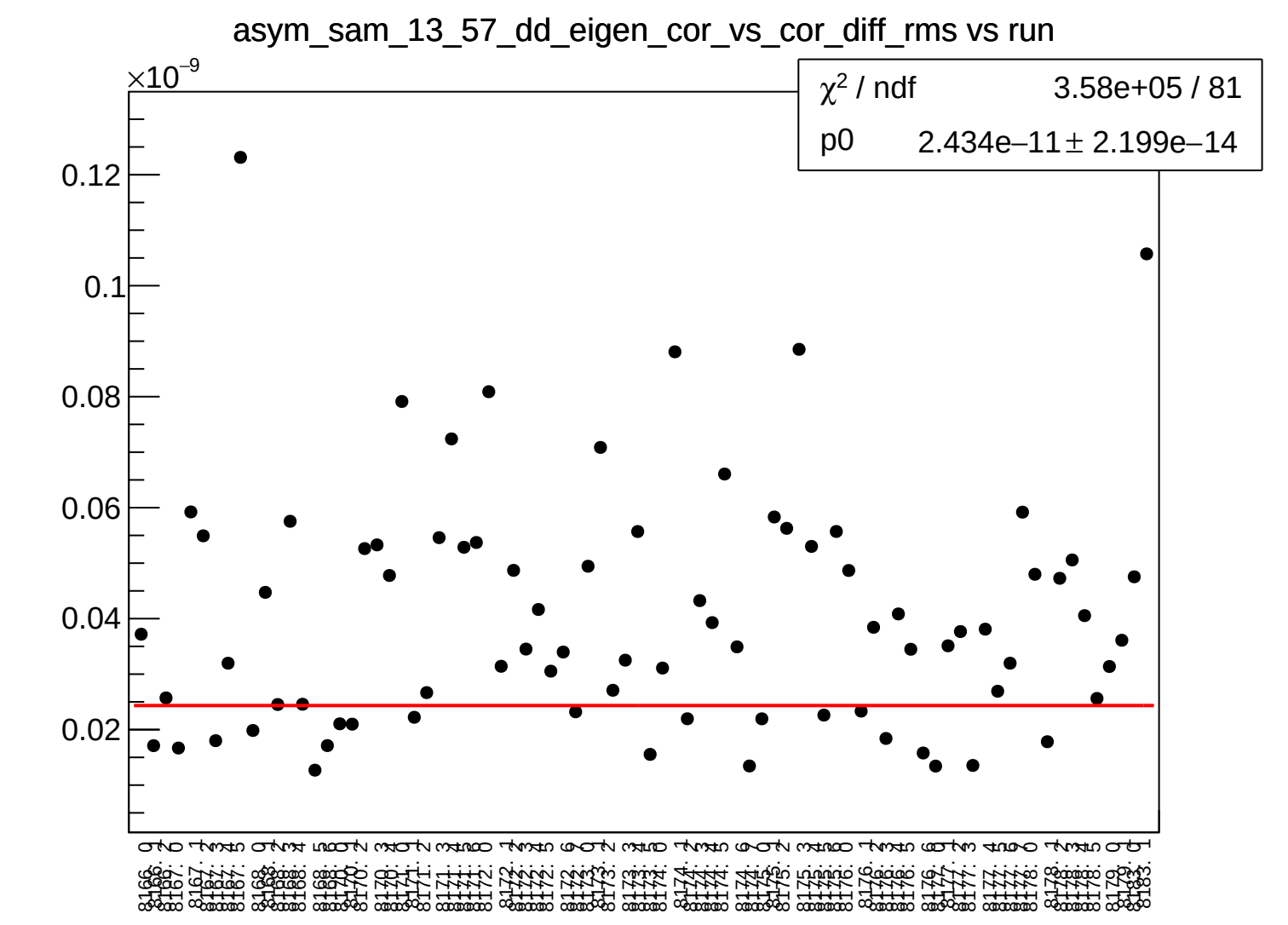


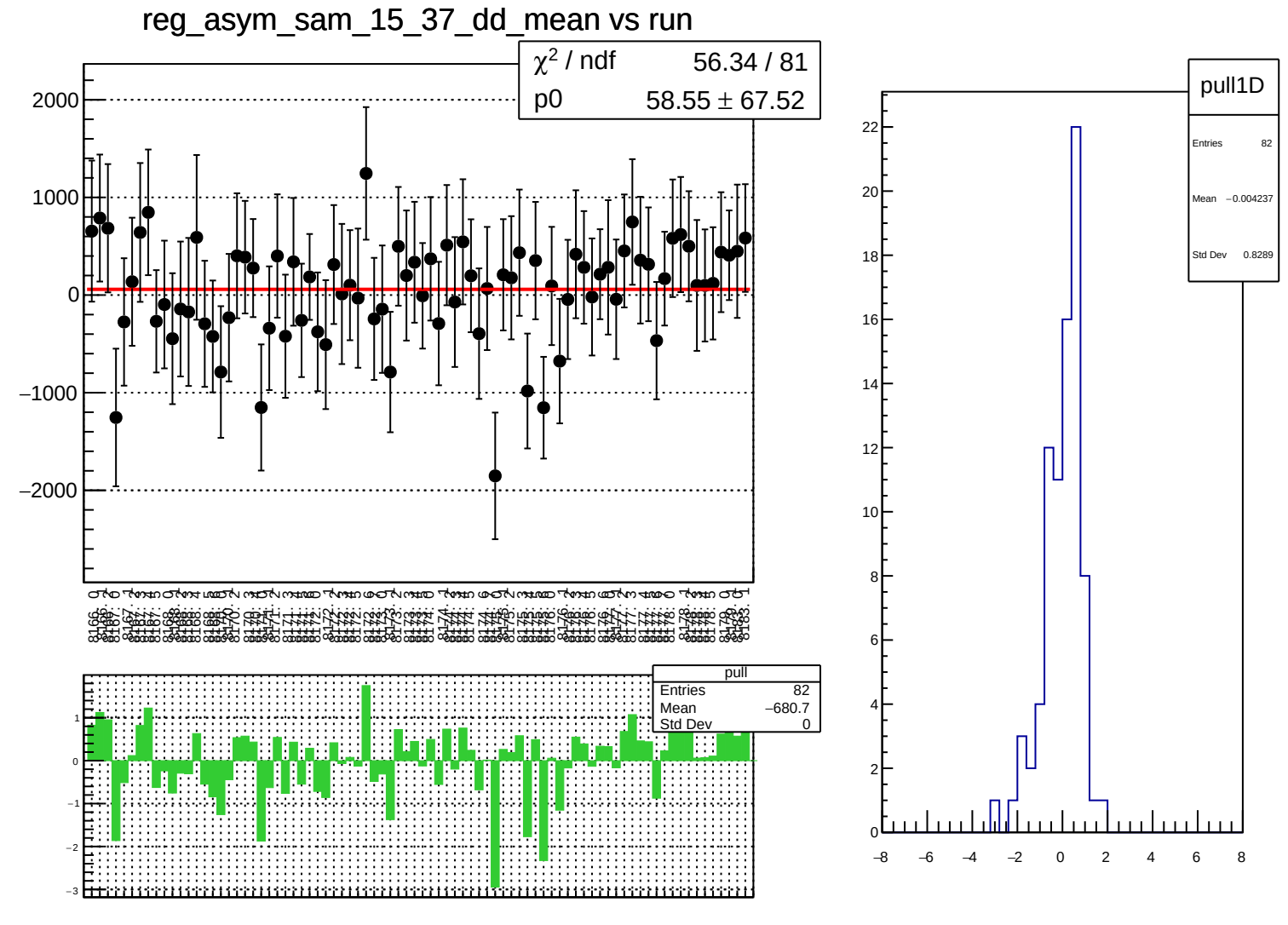


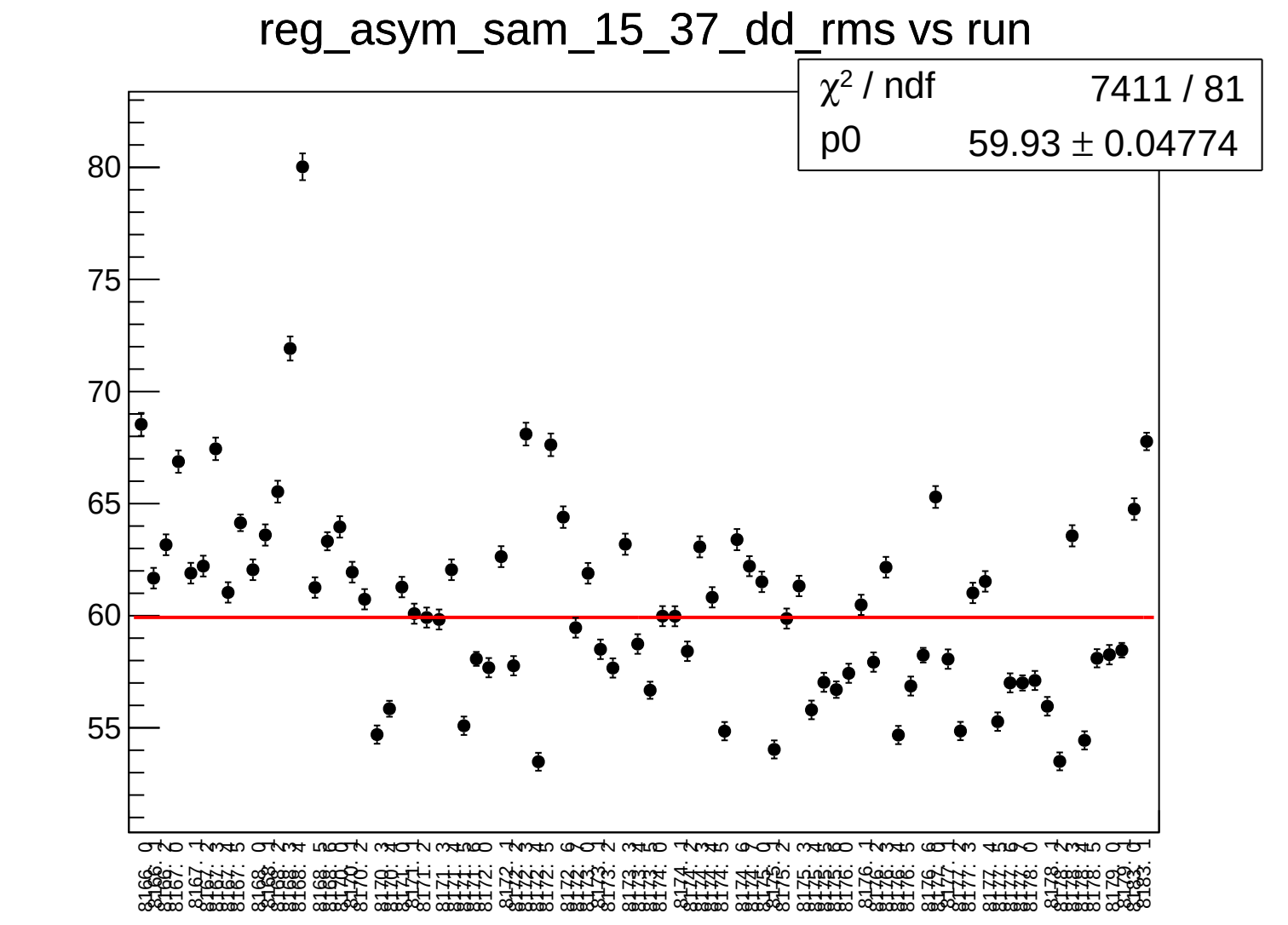

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.963e+04 / 81
p0 21.59 ± 0.01727
30
28
26
24
22
20
18
16

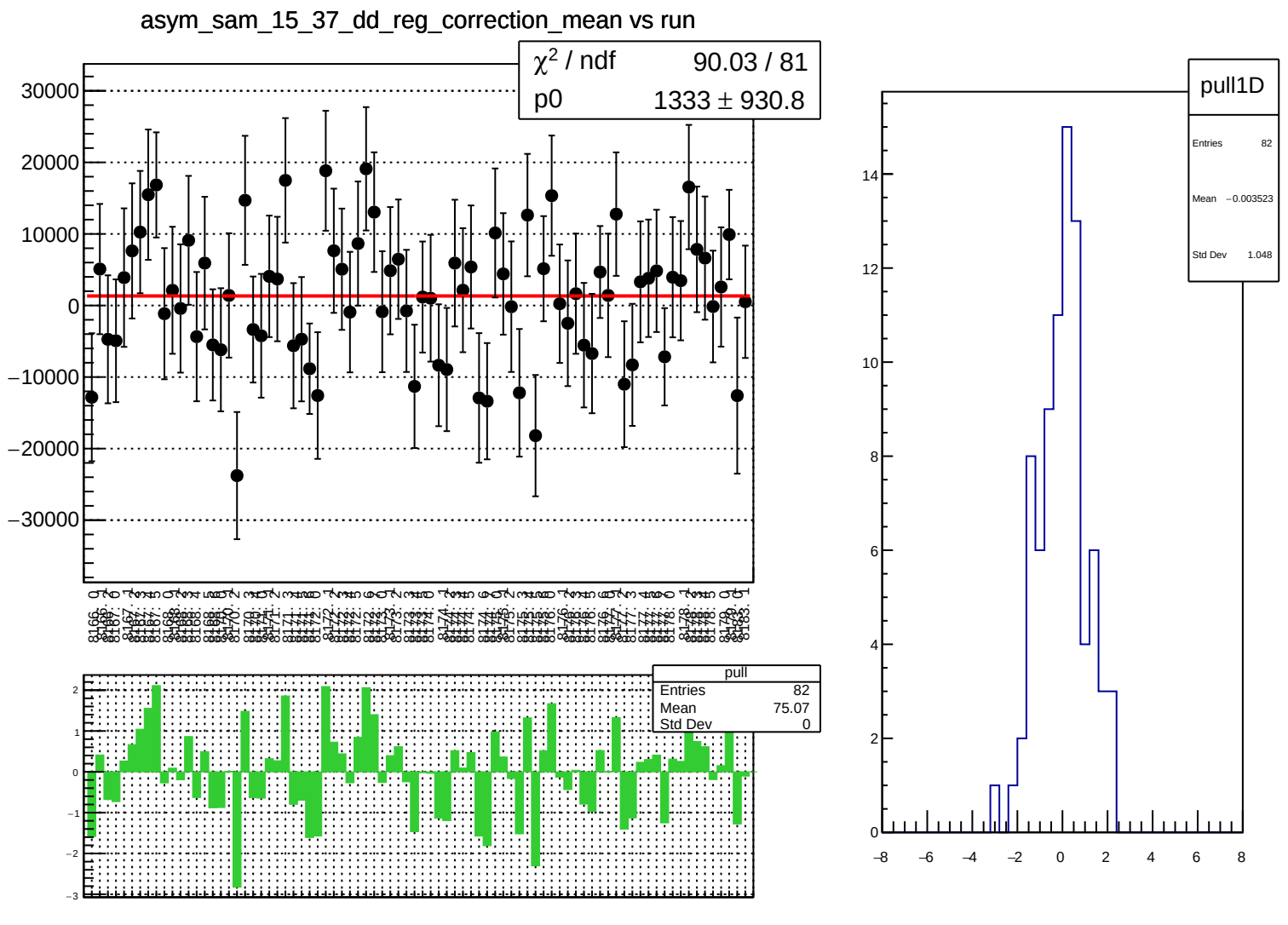

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 107.8 / 81
p0 2.237e−14 ± 3.11e−14
pull
Entries 82
Mean 57.79
Std Dev 6.648

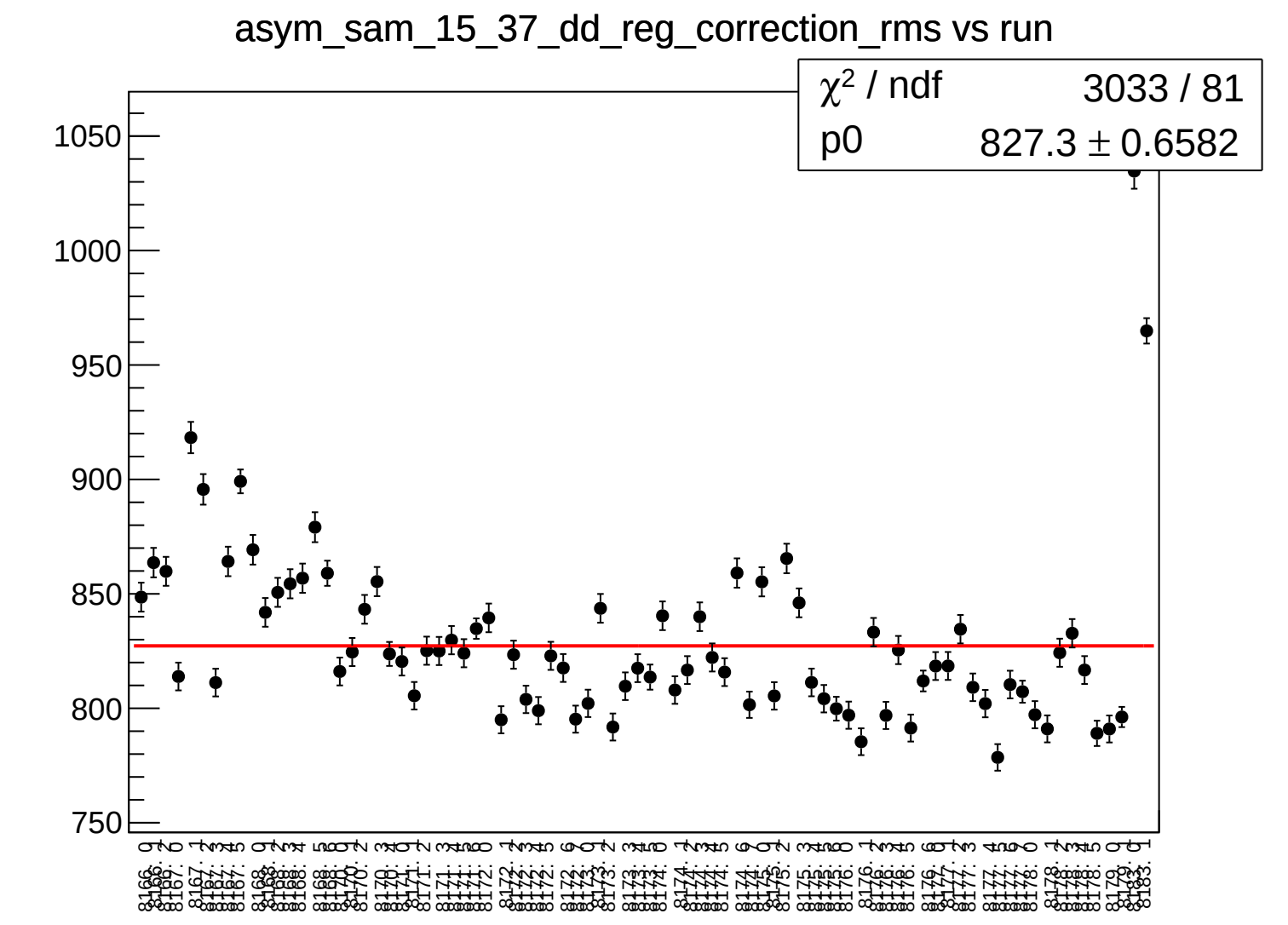

pull1D
Entries 82
Mean 0.06876
Std Dev 1.145

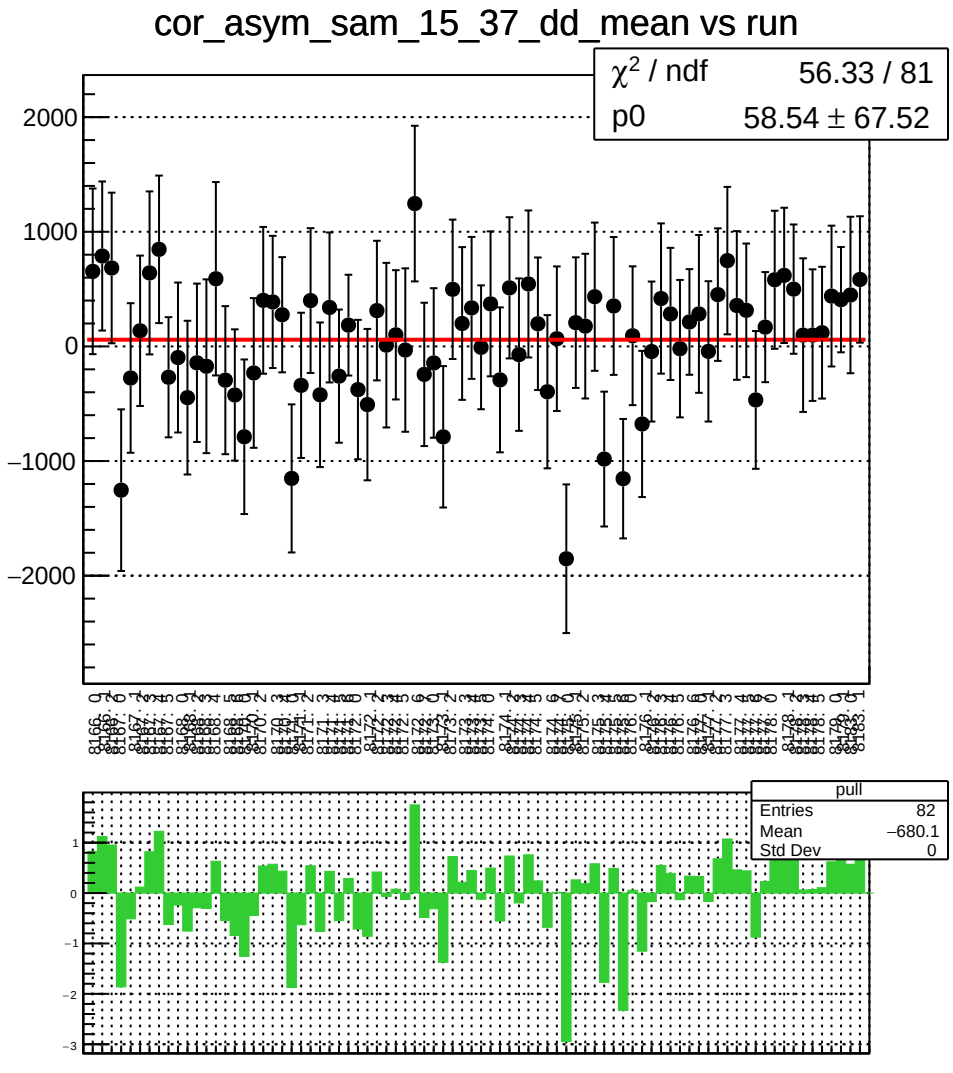

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.58e+05 / 81
p0 2.434e−11 ± 2.199e−14
0.12
0.1
0.08
0.06
0.04
0.02

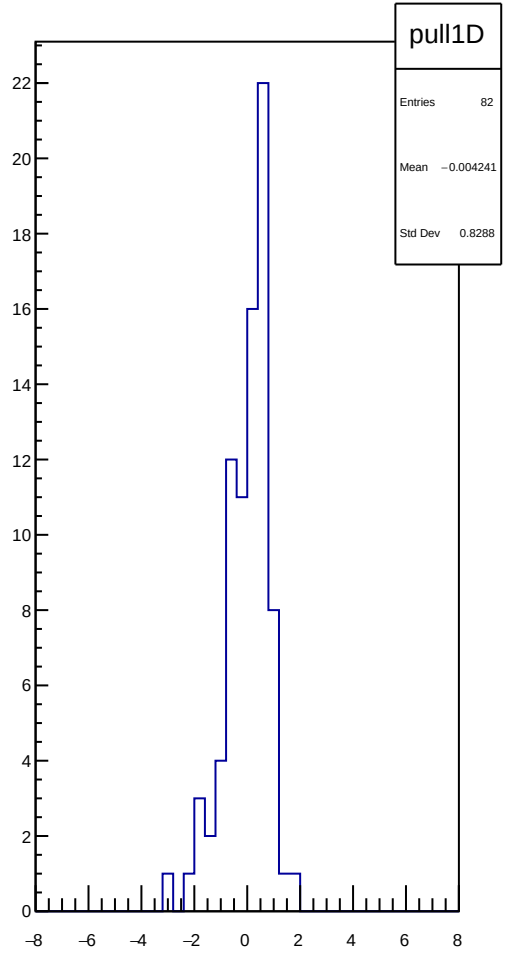

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 56.34 / 81
p0 58.55 ± 67.52
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −680.7
Std Dev 0
pull1D
Entries 82
Mean −0.004237
Std Dev 0.8289

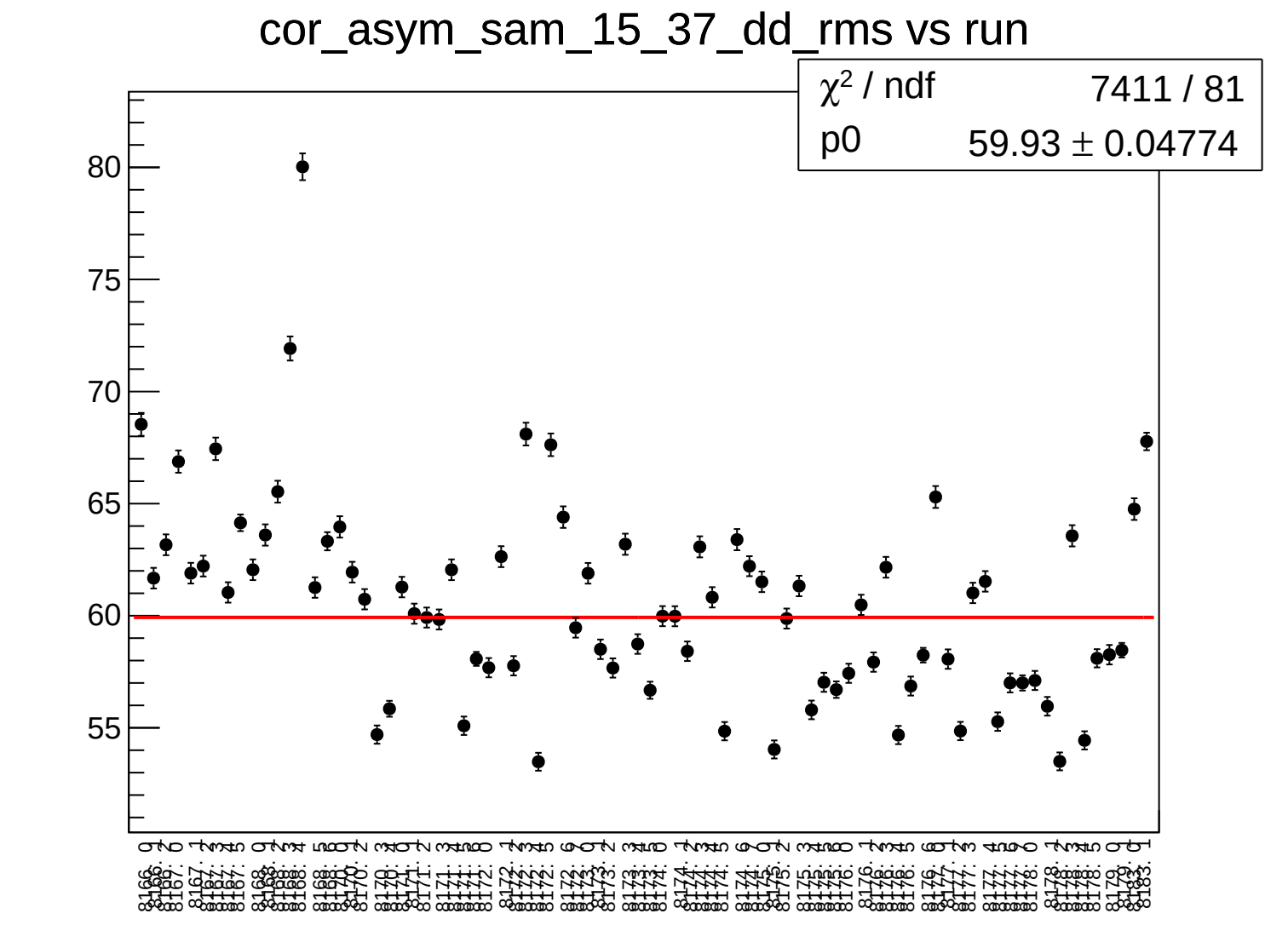

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 7411 / 81
p0 59.93 ± 0.04774
80
75
70
65
60
55

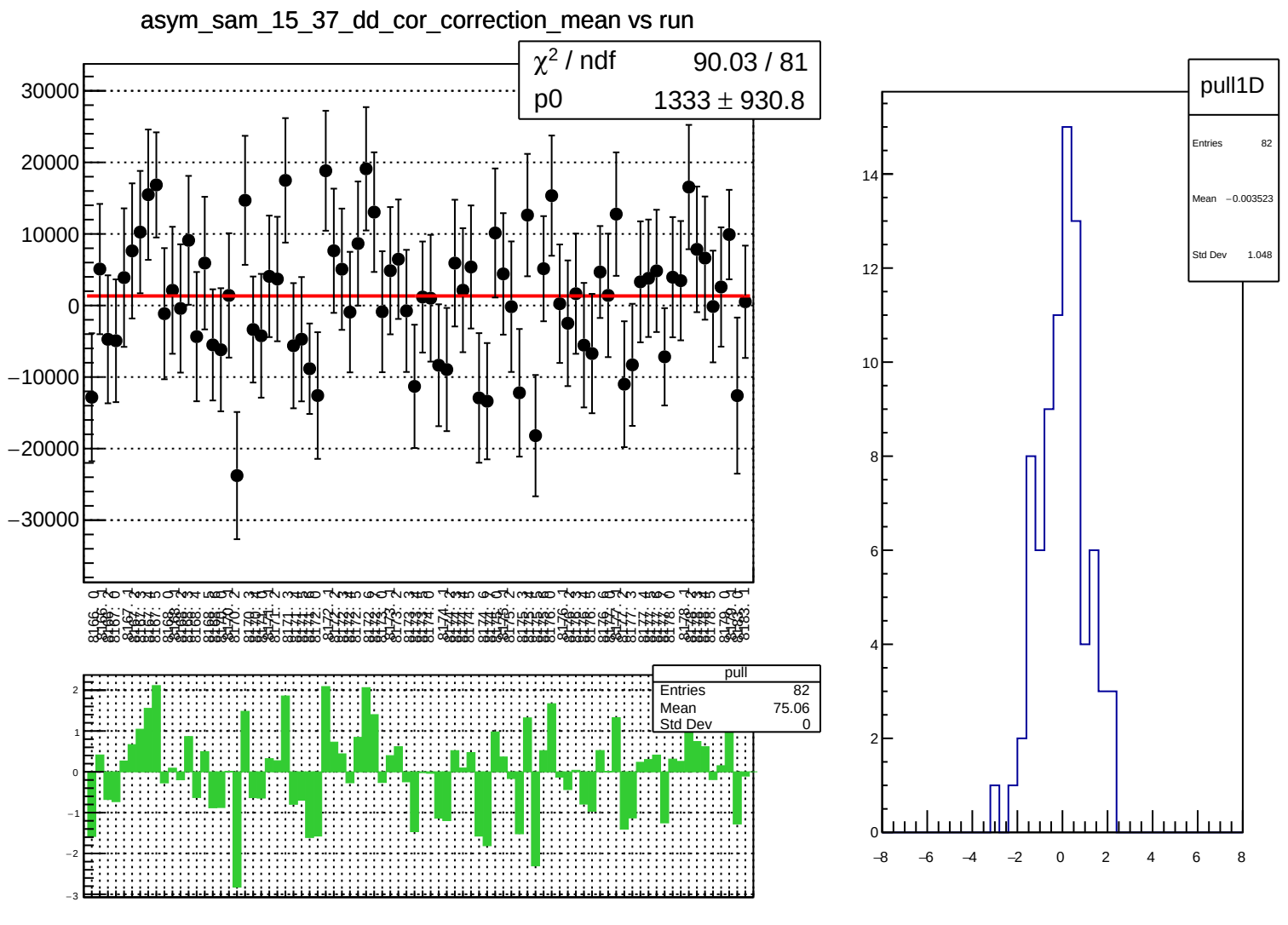

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 90.03 / 81
p0 1333 ± 930.8
pull
Entries 82
Mean 75.07
Std Dev 0
pull1D
Entries 82
Mean −0.003523
Std Dev 1.048

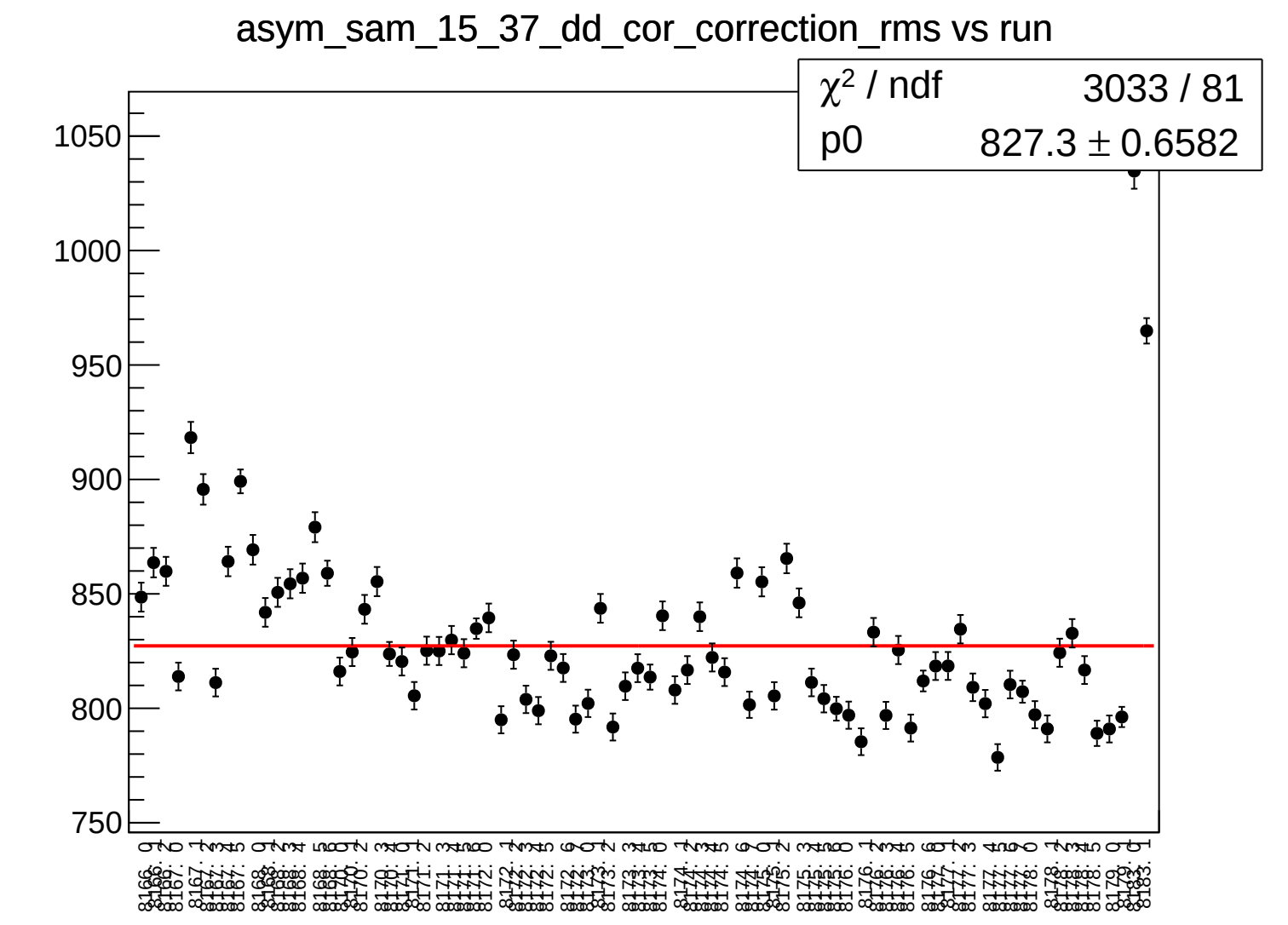

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 3033 / 81
p0 827.3 ± 0.6582
1050
1000
950
900
850
800
750

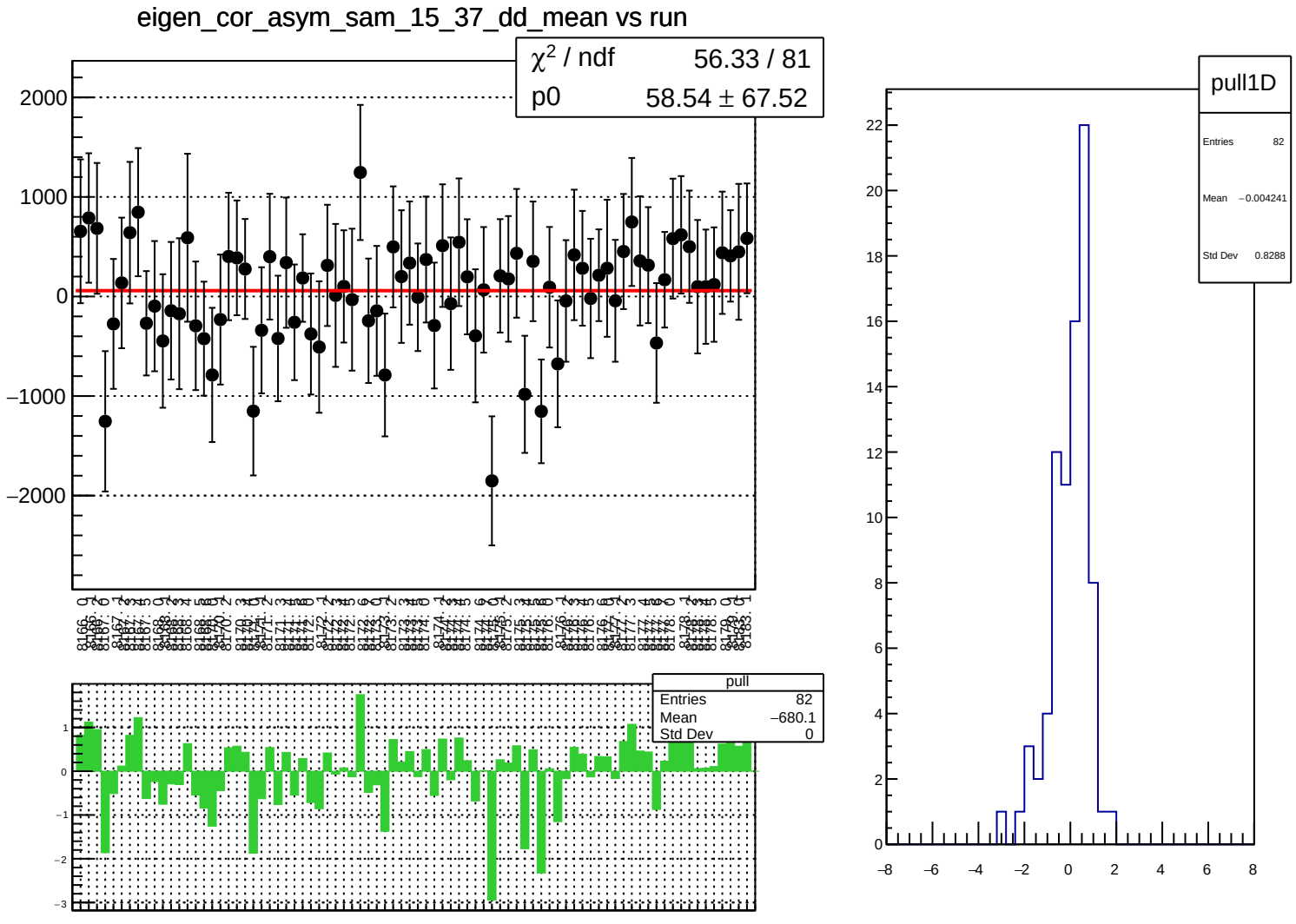

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 56.33 / 81
p0 58.54 ± 67.52
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −680.1
Std Dev 0
1
0
−1
−2
−3

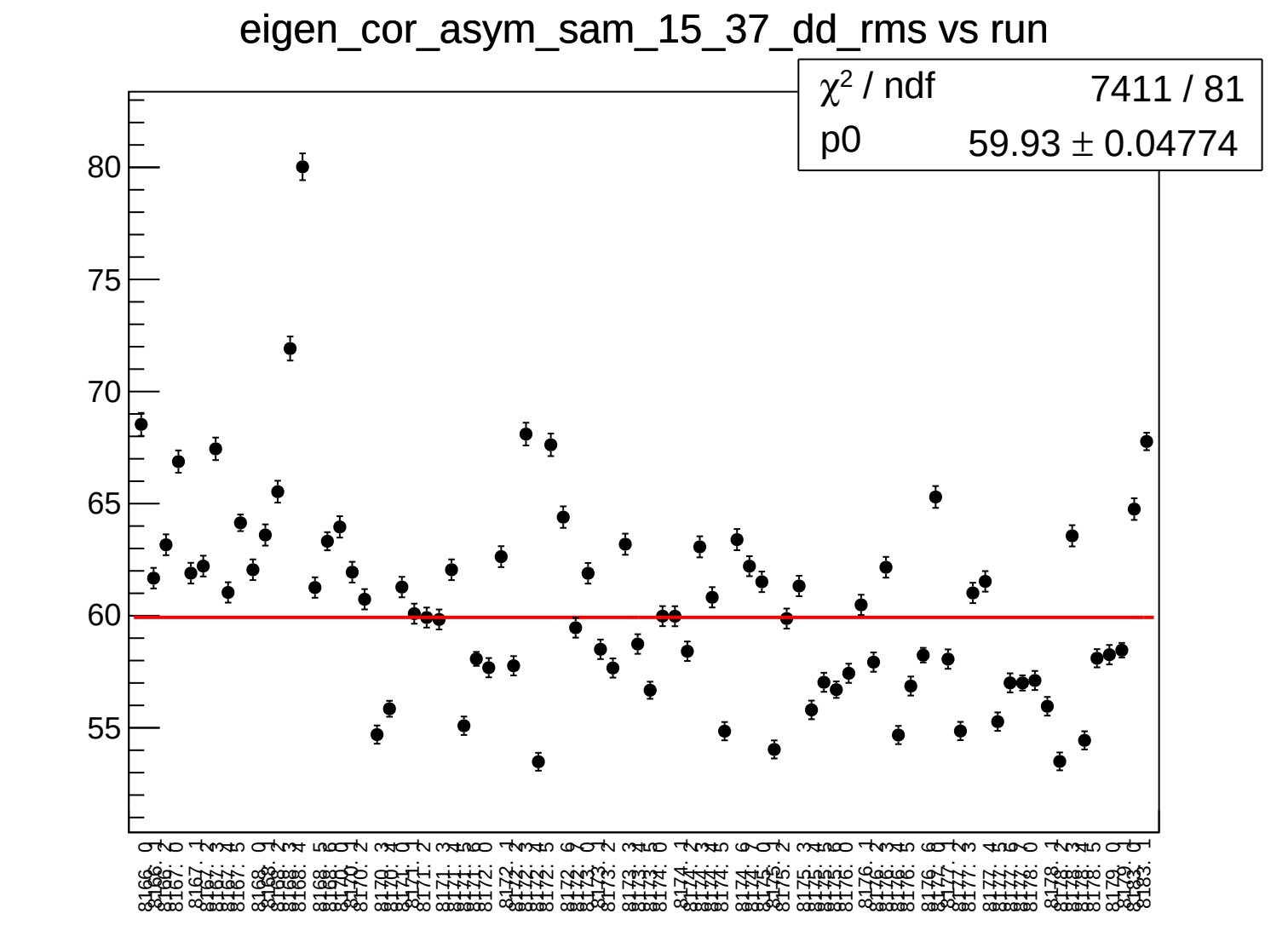

pull1D
Entries 82
Mean −0.004241
Std Dev 0.8288
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

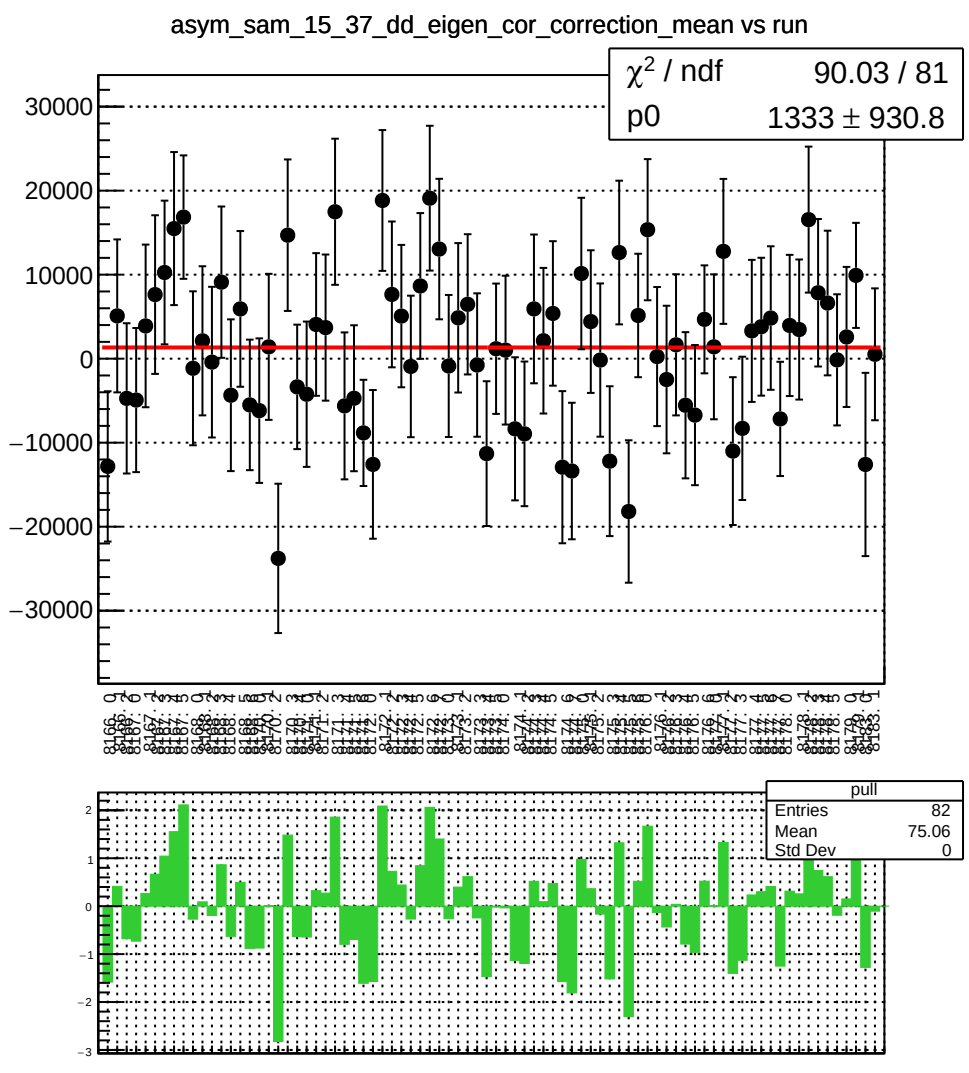

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 7411 / 81
p0 59.93 ± 0.04774
80
75
70
65
60
55

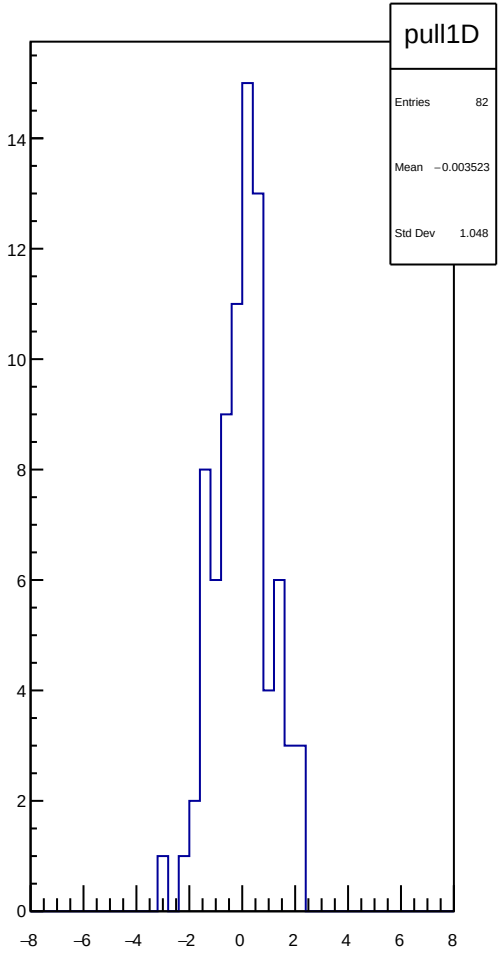

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 90.03 / 81
p0 1333 ± 930.8
pull
Entries 82
Mean 75.06
Std Dev 0
pull1D
Entries 82
Mean −0.003523
Std Dev 1.048

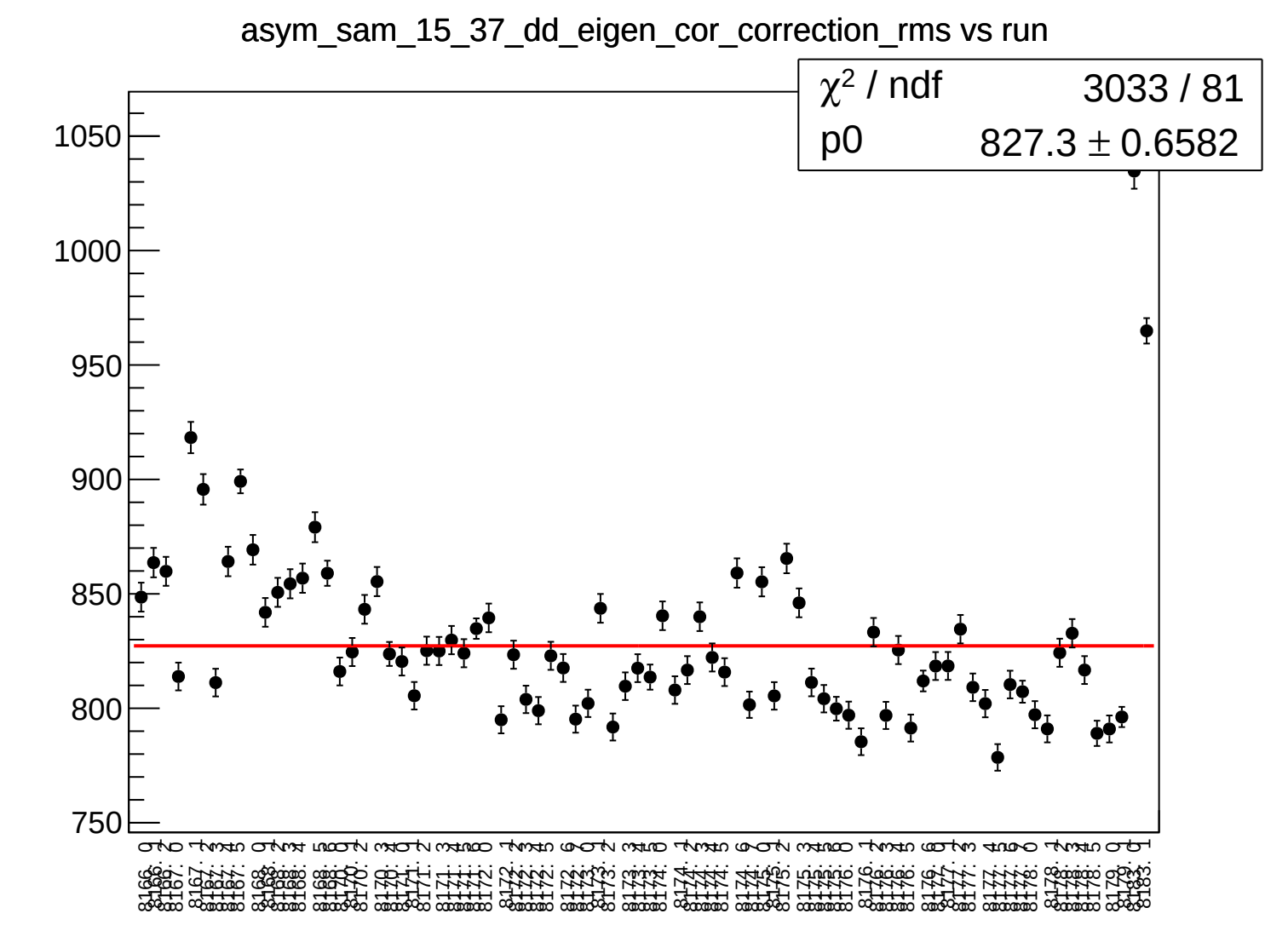

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 3033 / 81
p0 827.3 ± 0.6582
1050
1000
950
900
850
800
750

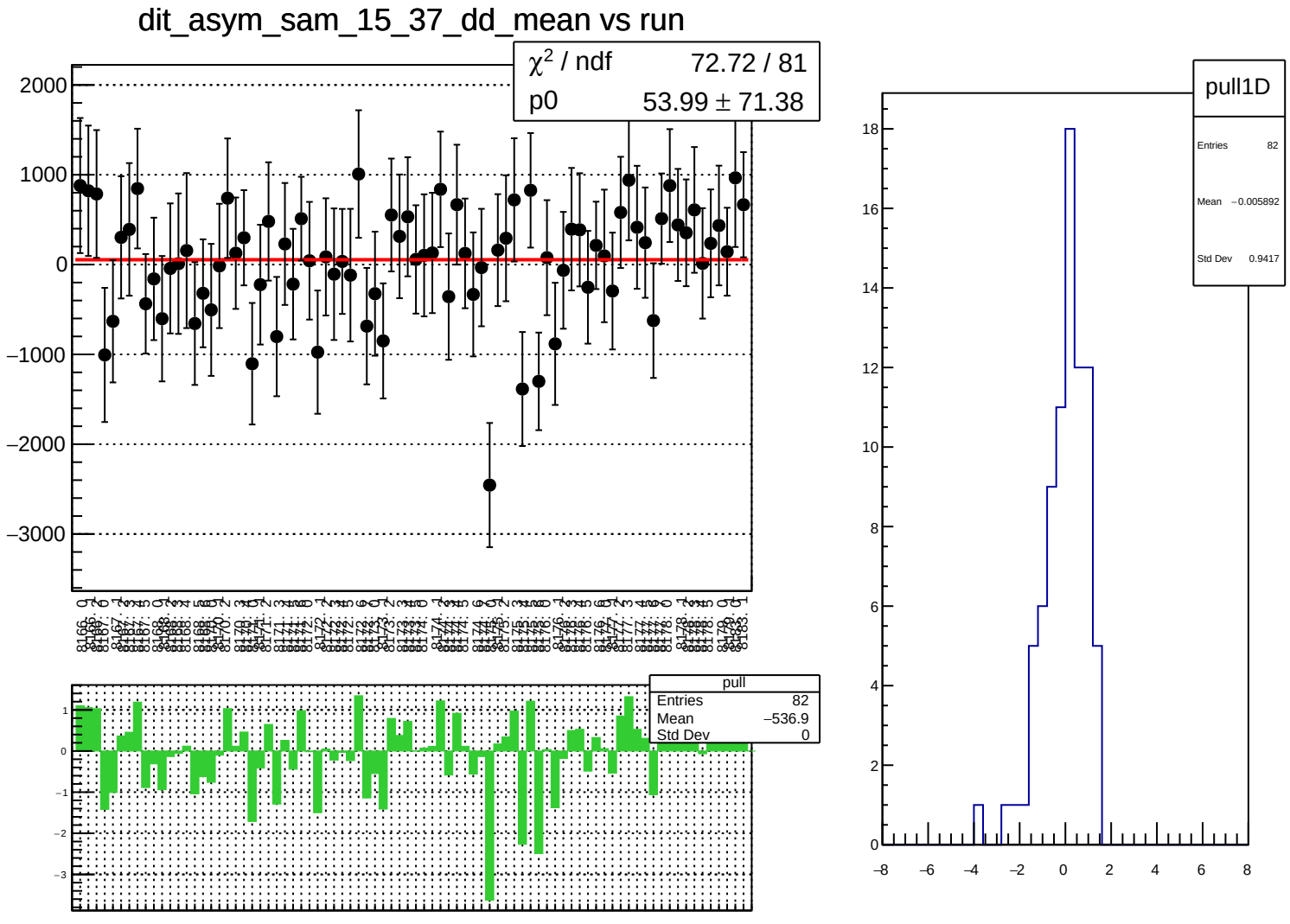

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 56.33 / 81
p0 58.54 ± 67.52
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −680.1
Std Dev 0
pull1D
Entries 82
Mean −0.004241
Std Dev 0.8288
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

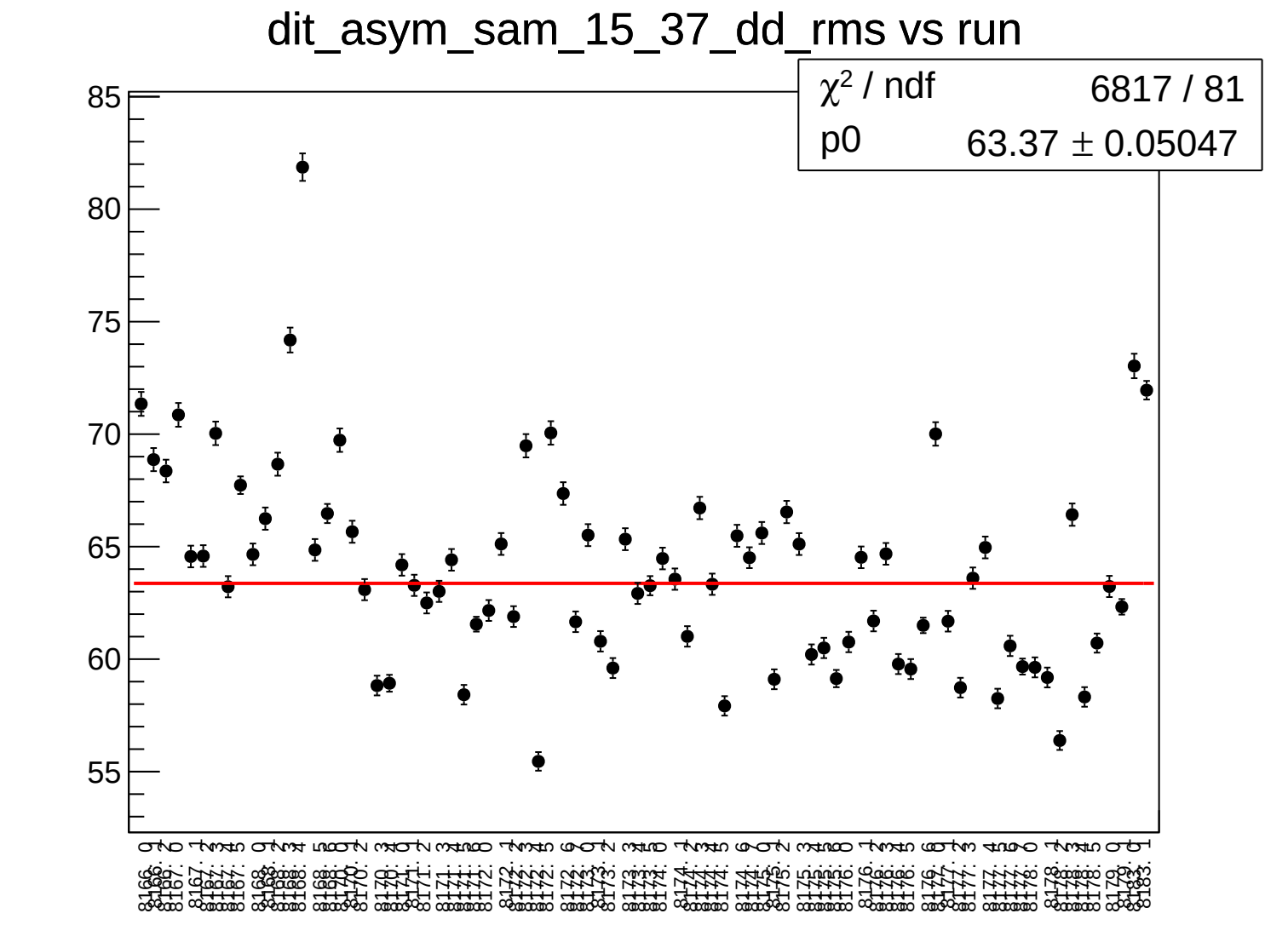

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 7411 / 81
p0 59.93 ± 0.04774
80
75
70
65
60
55

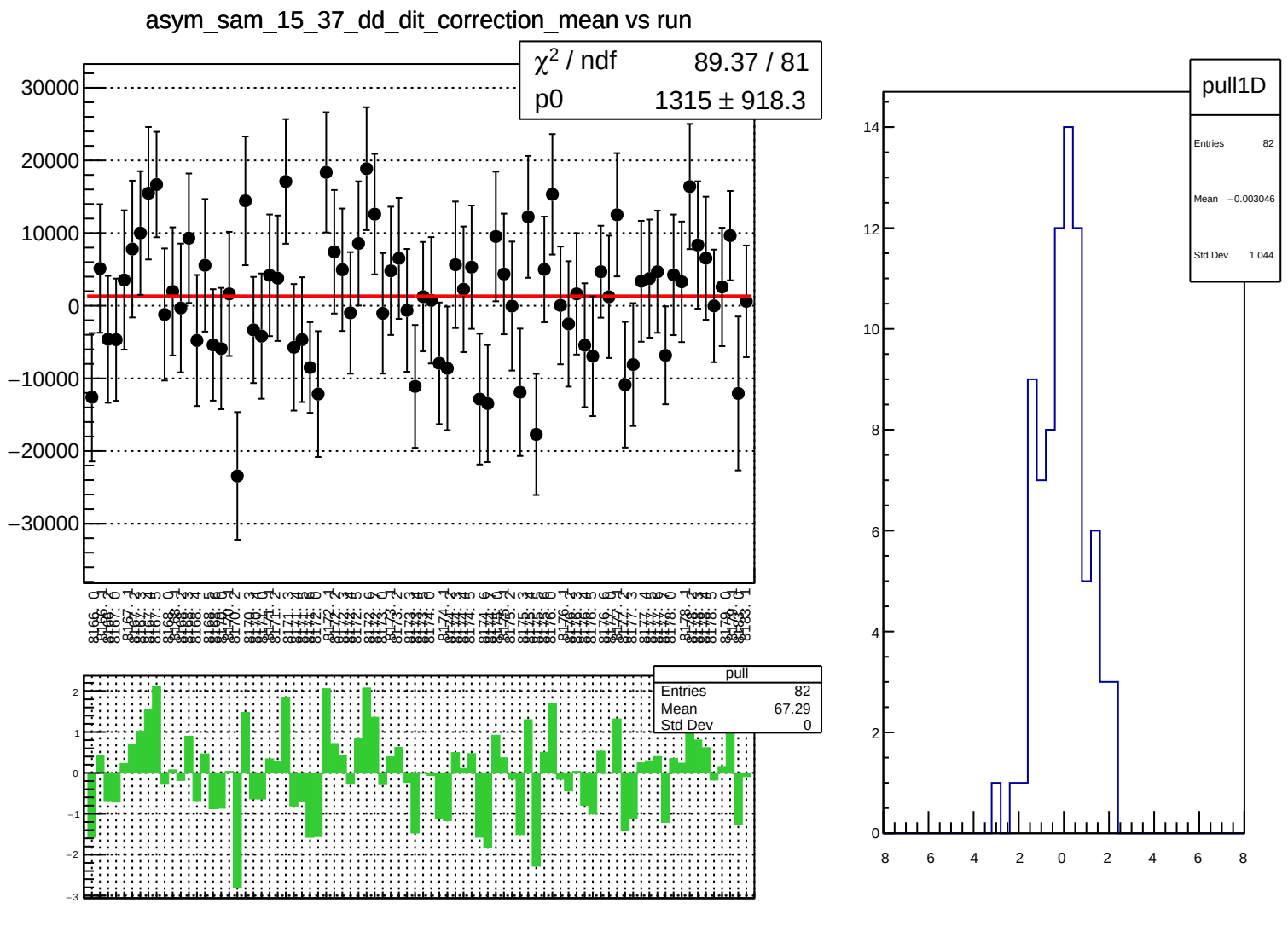

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 90.03 / 81
p0 1333 ± 930.8
pull
Entries 82
Mean 75.06
Std Dev 0

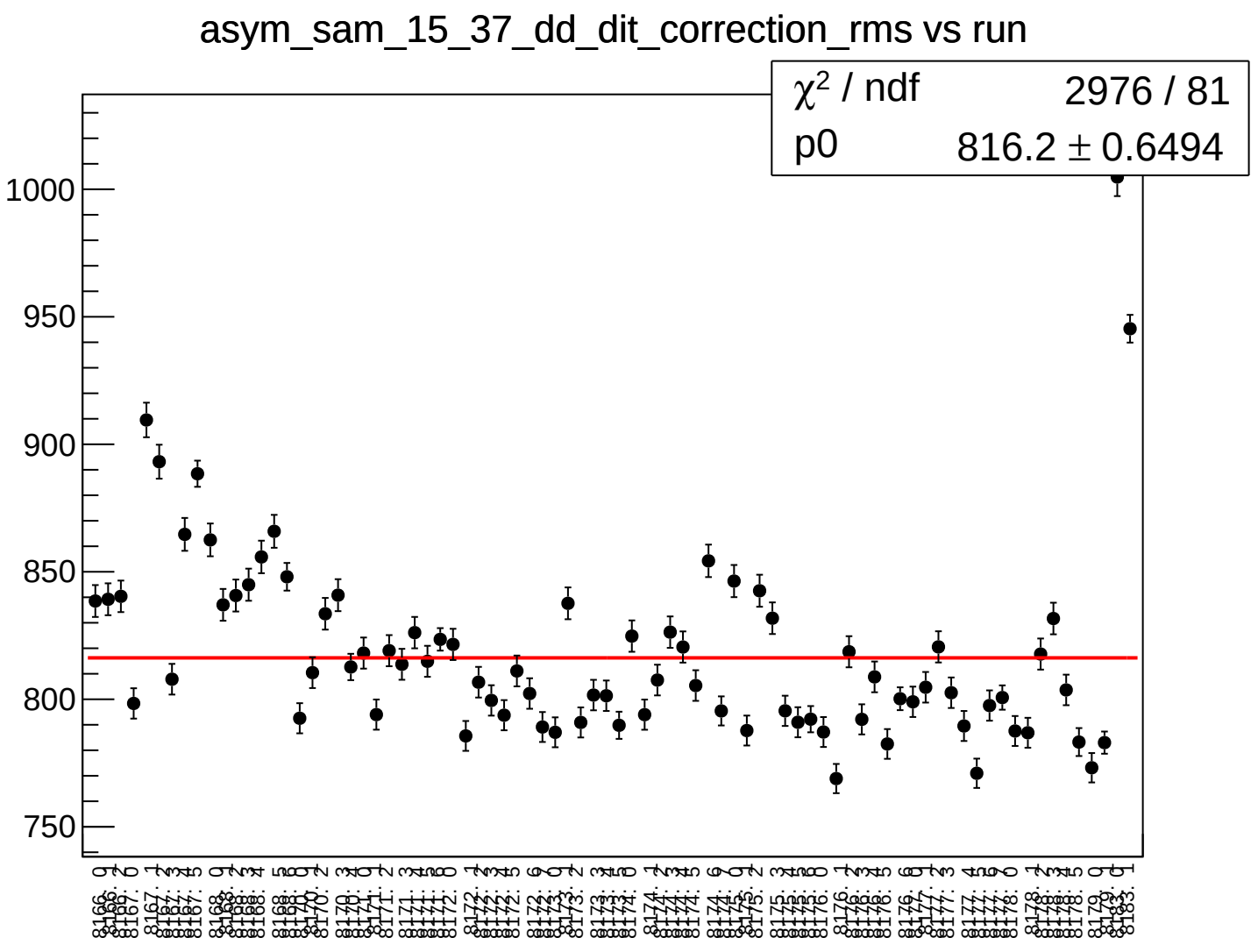

pull1D
Entries 82
Mean −0.003523
Std Dev 1.048

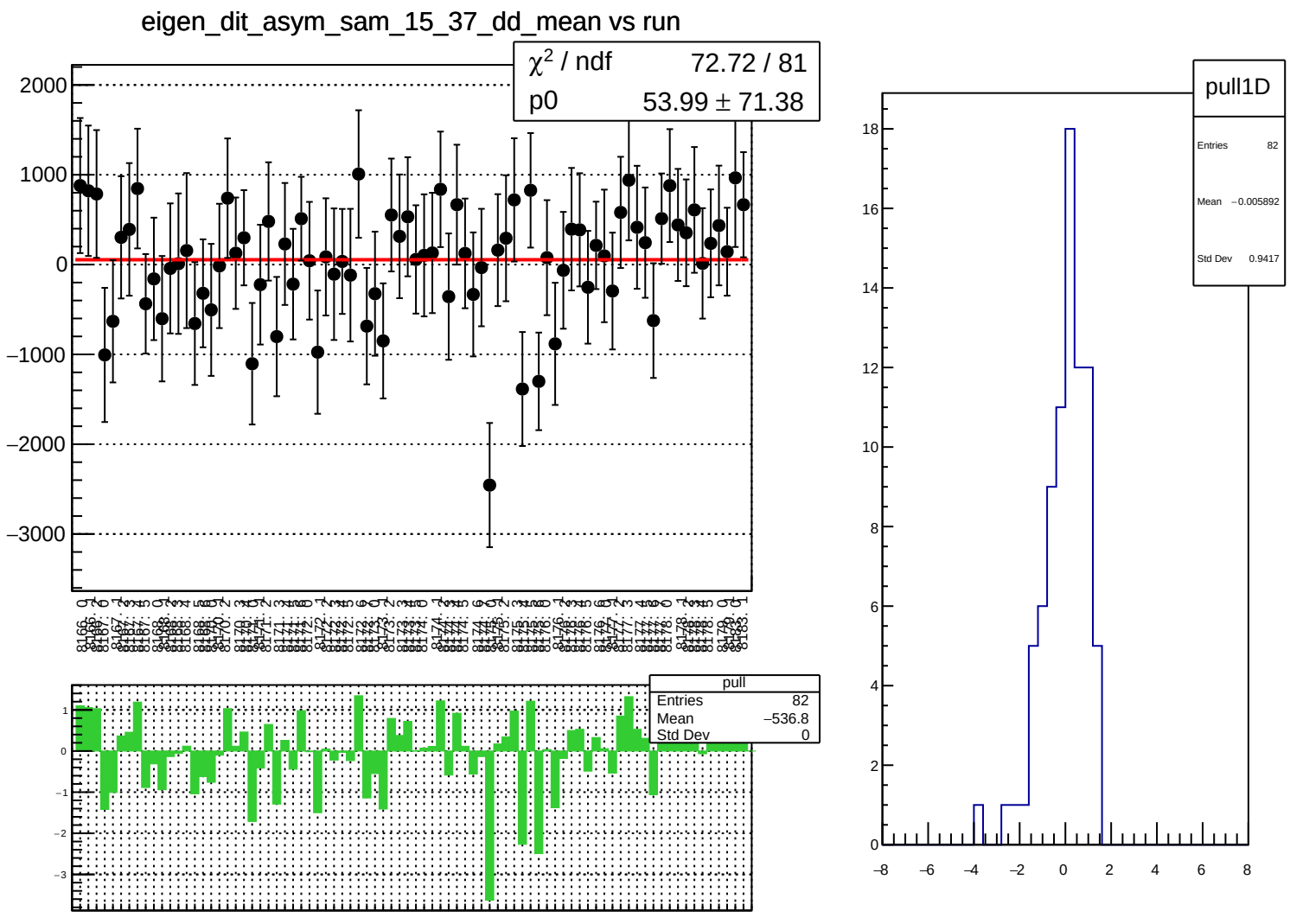

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 3033 / 81
p0 827.3 ± 0.6582
1050
1000
950
900
850
800
750

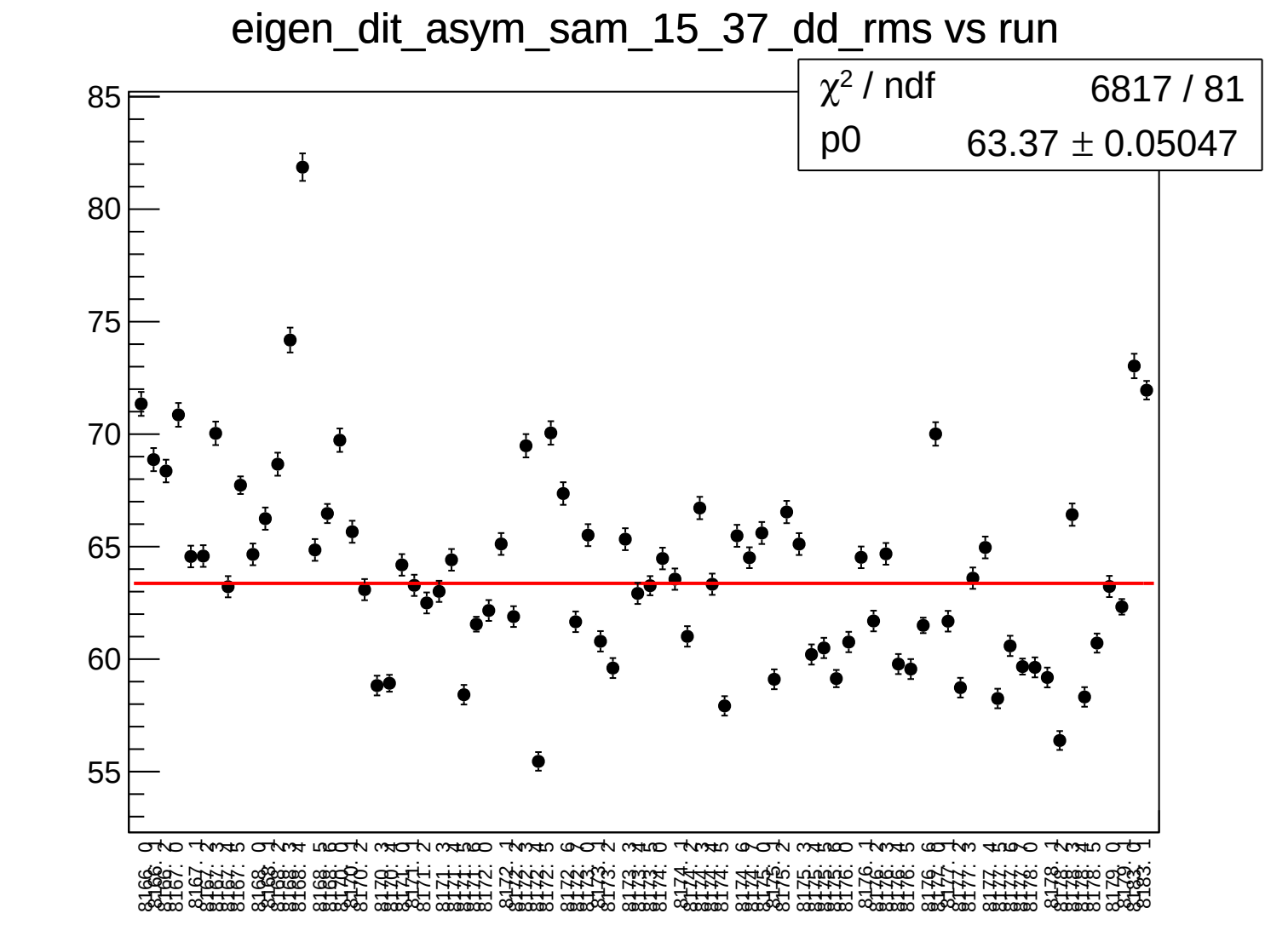

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.72 / 81
p0 53.99 ± 71.38
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −536.9
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.005892
Std Dev 0.9417
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

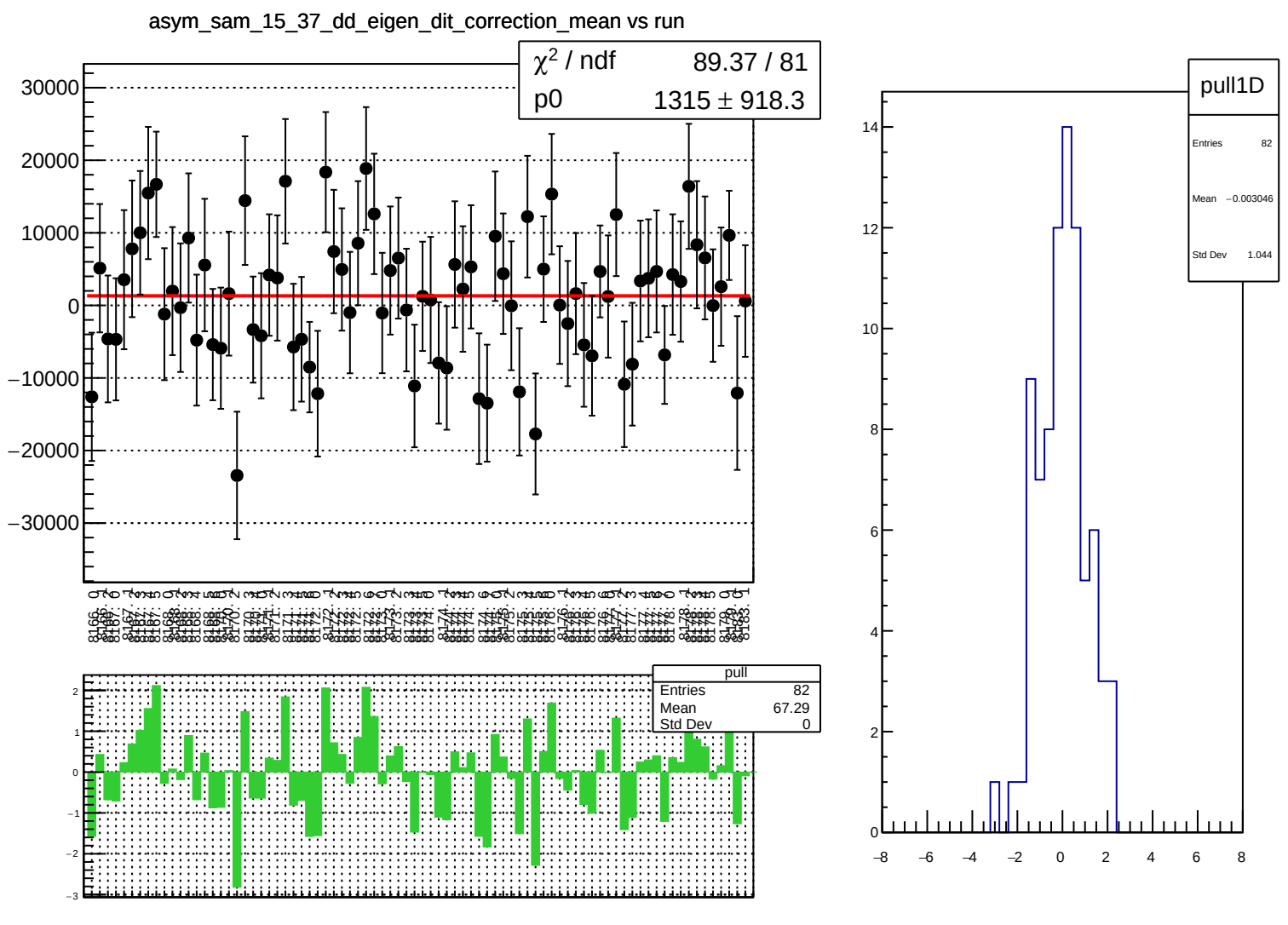

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 6817 / 81
p0 63.37 ± 0.05047
85
80
75
70
65
60
55

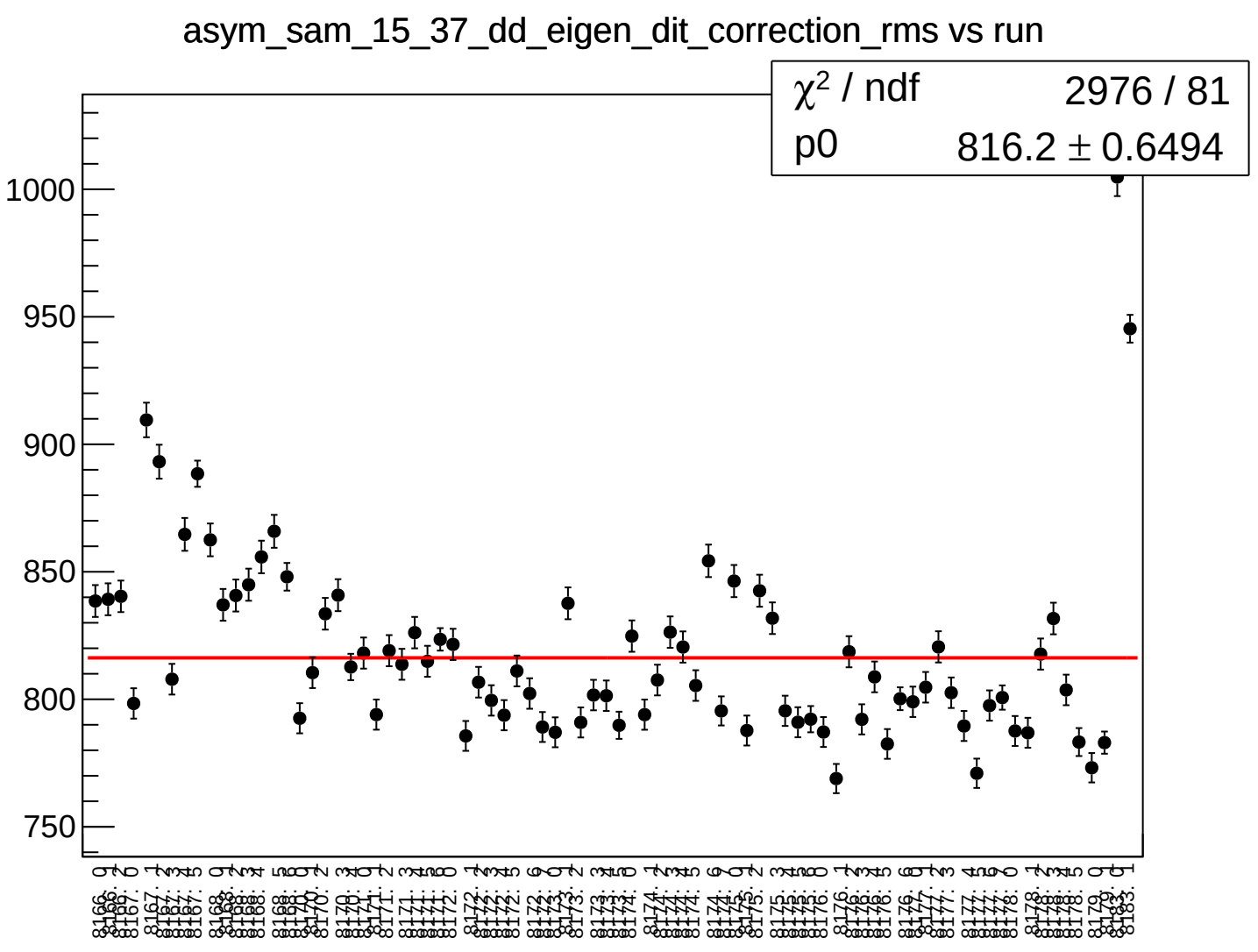

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 89.37 / 81
p0 1315 ± 918.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 67.29
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.003046
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

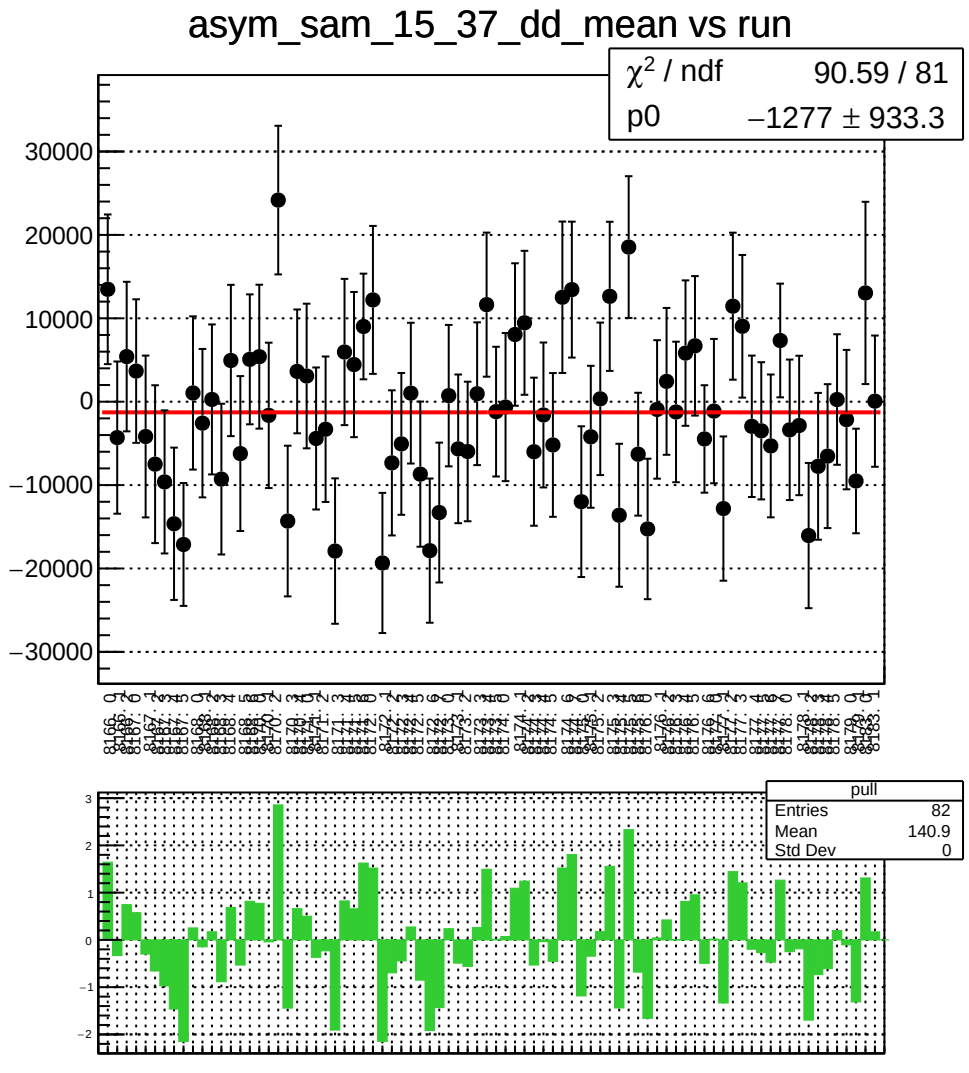

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 2976 / 81
p0 816.2 ± 0.6494
1000
950
900
850
800
750

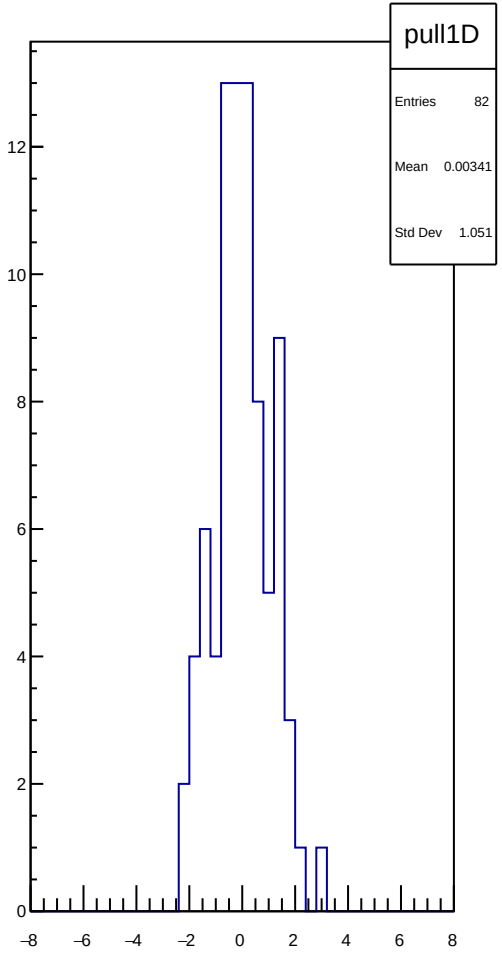

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 72.72 / 81
p0 53.99 ± 71.38
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −536.8
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.005892
Std Dev 0.9417
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

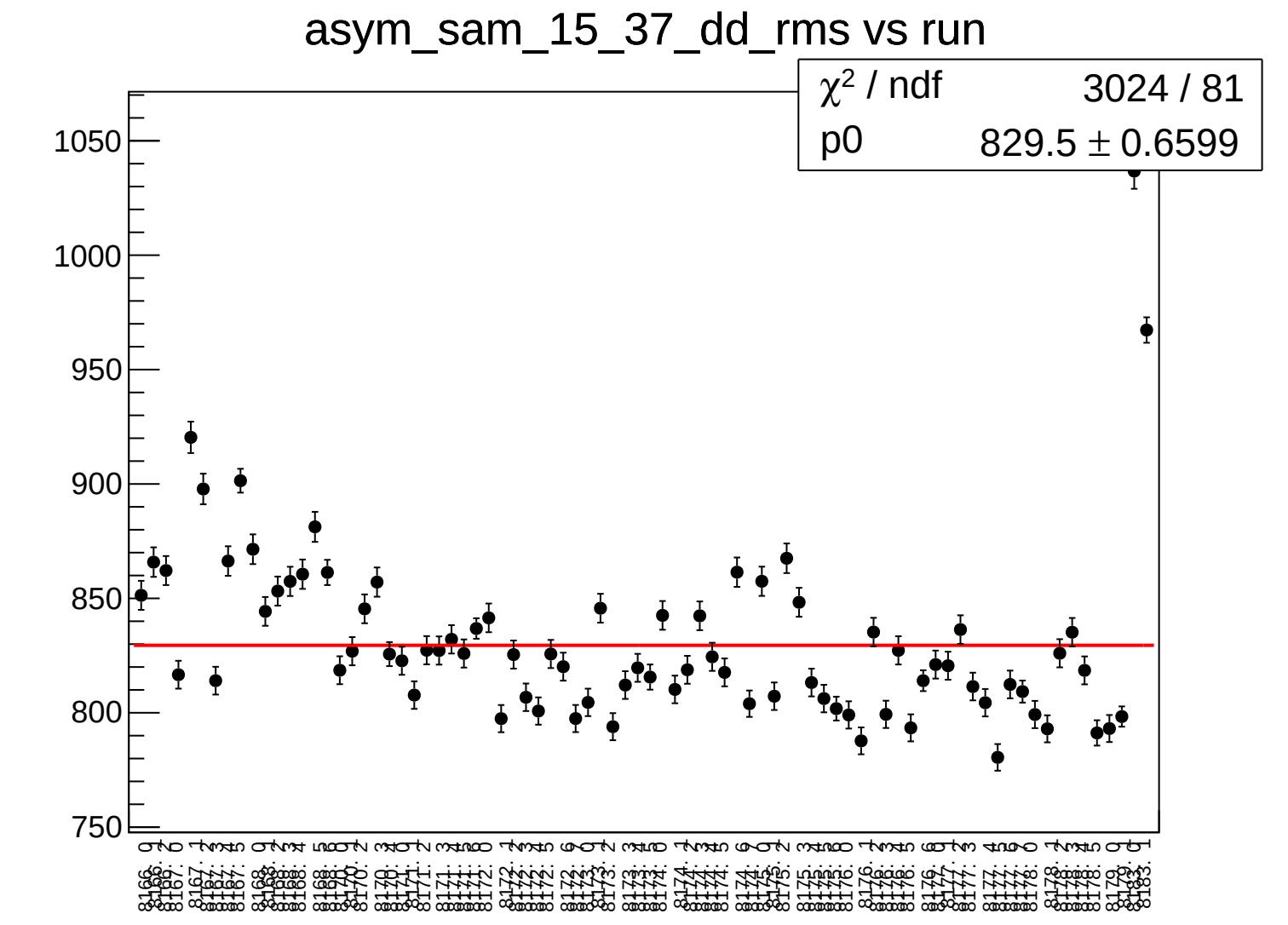

eigen_dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 6817 / 81
p0 63.37 ± 0.05047
85
80
75
70
65
60
55

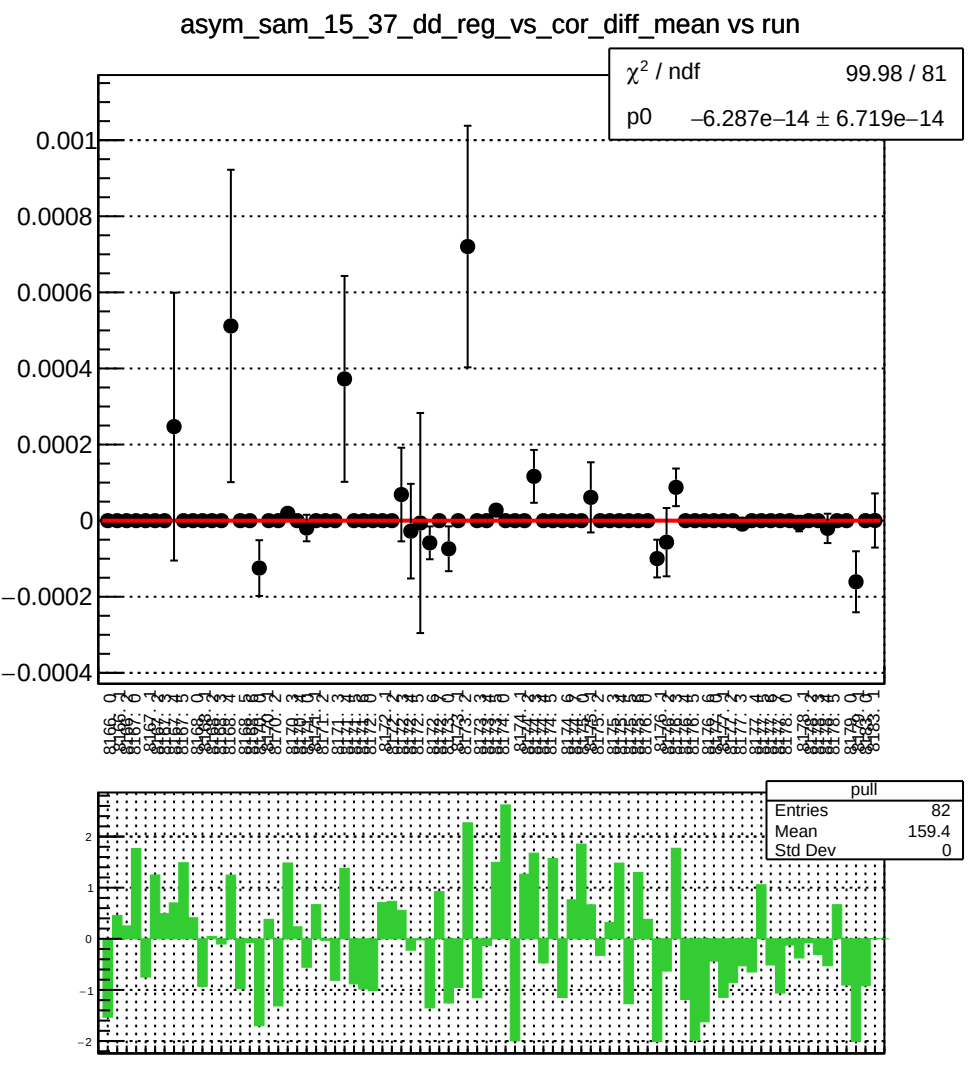

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 89.37 / 81
p0 1315 ± 918.3
pull
Entries 82
Mean 67.29
Std Dev 0
pull1D
Entries 82
Mean −0.003046
Std Dev 1.044

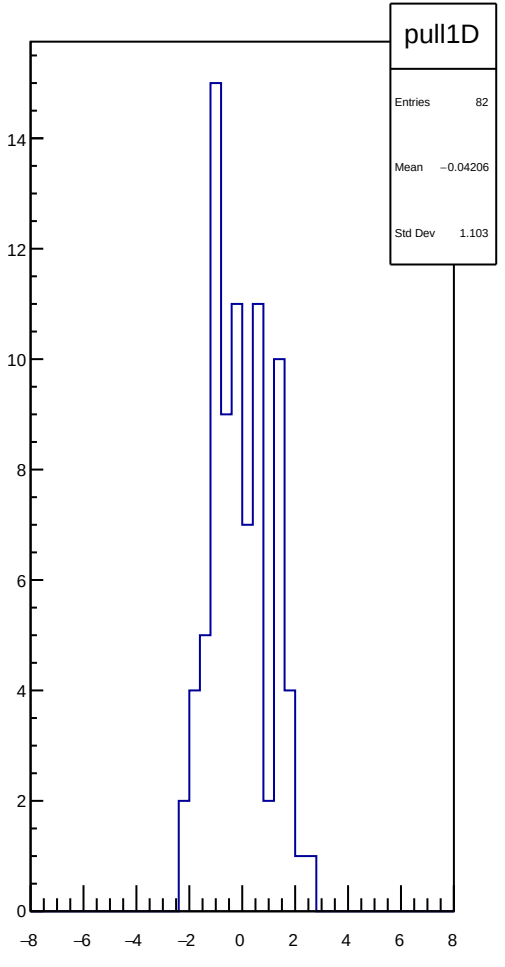

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 2976 / 81
p0 816.2 ± 0.6494
1000
950
900
850
800
750

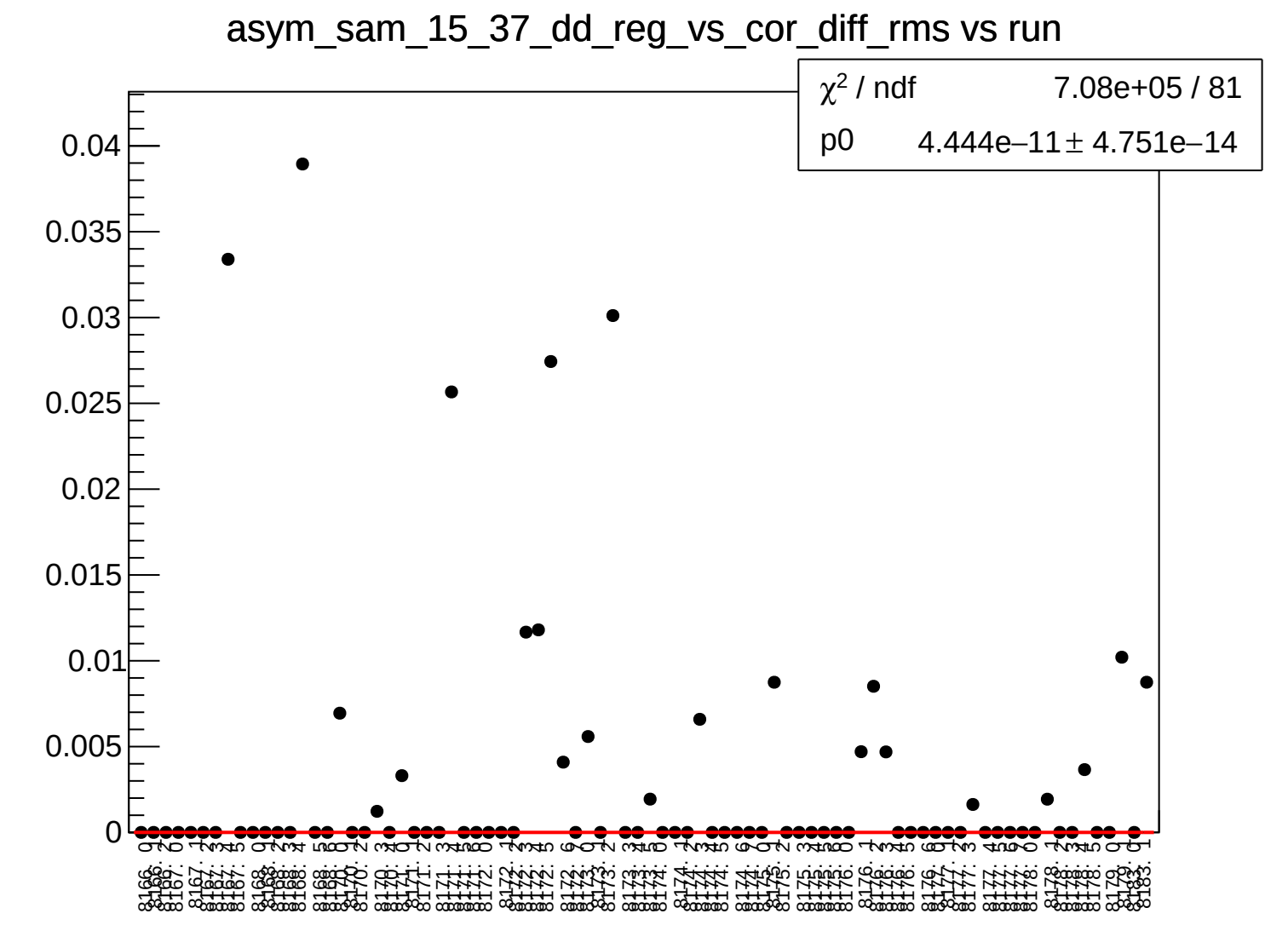

asym_sam_15_37_dd_mean vs run
χ² / ndf 90.59 / 81
p0 −1277 ± 933.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 140.9
Std Dev 0
3
2
1
0
−1
−2

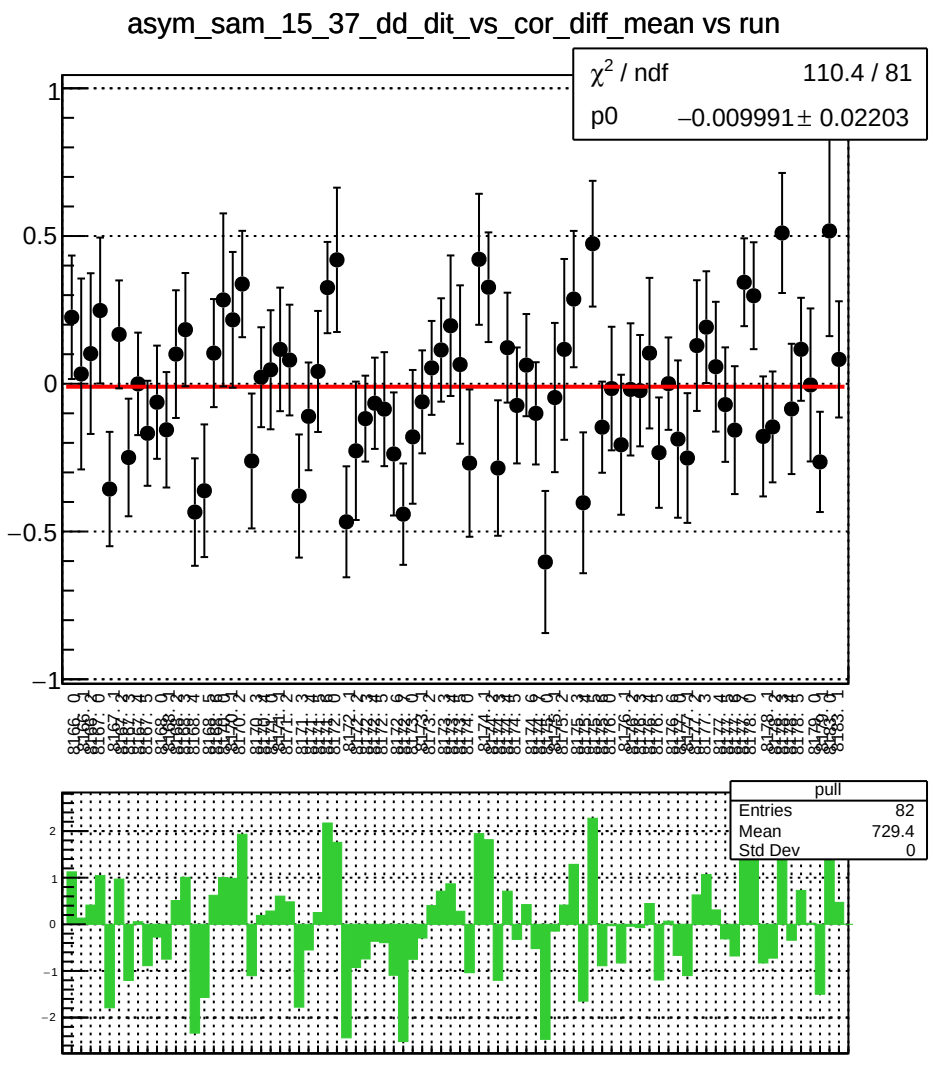

pull1D
Entries 82
Mean 0.00341
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

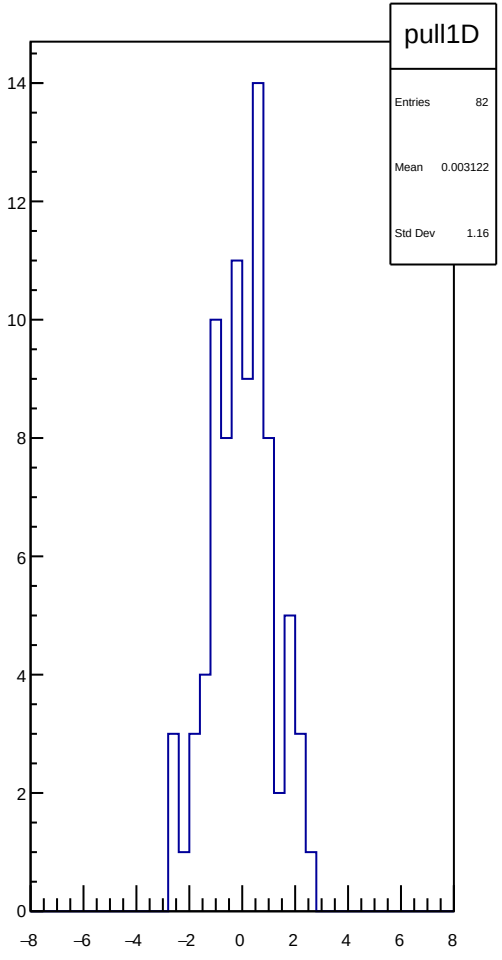

asym_sam_15_37_dd_rms vs run
χ² / ndf 3024 / 81
p0 829.5 ± 0.6599
1050
1000
950
900
850
800
750

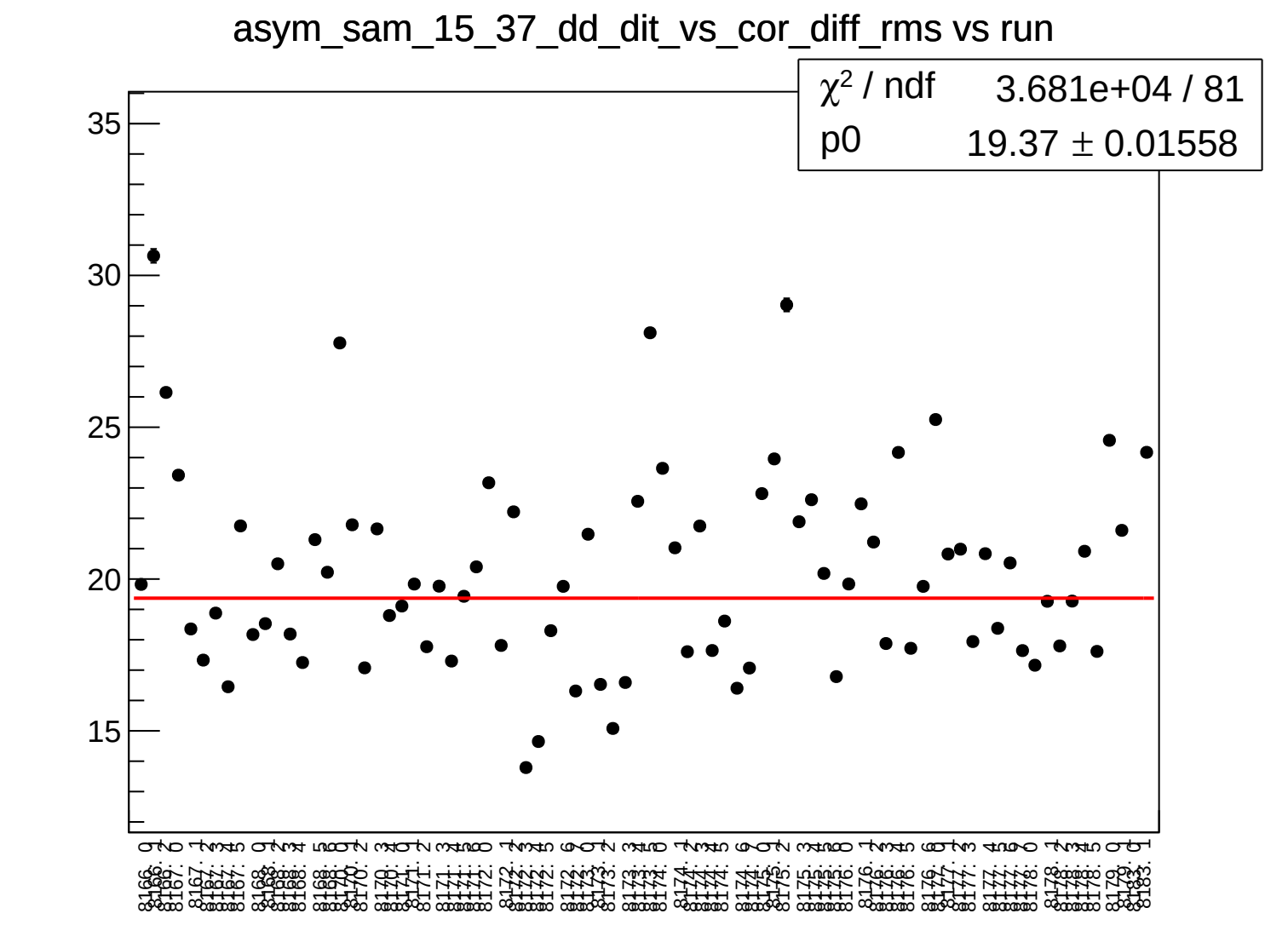

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 99.98 / 81
p0 −6.287e−14 ± 6.719e−14
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
pull
Entries 82
Mean 159.4
Std Dev 0
2
1
0
−1
−2

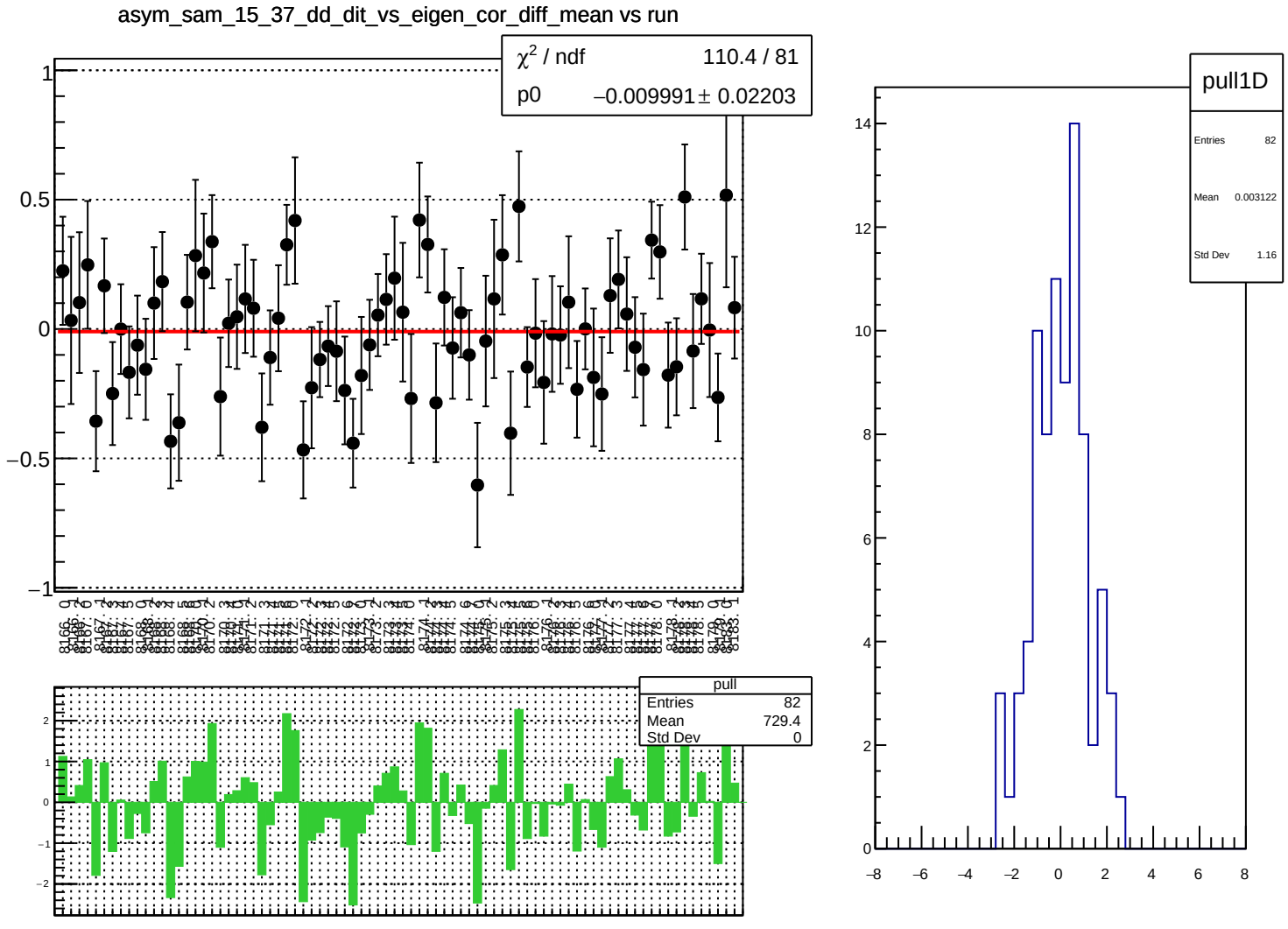

pull1D
Entries 82
Mean −0.04206
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

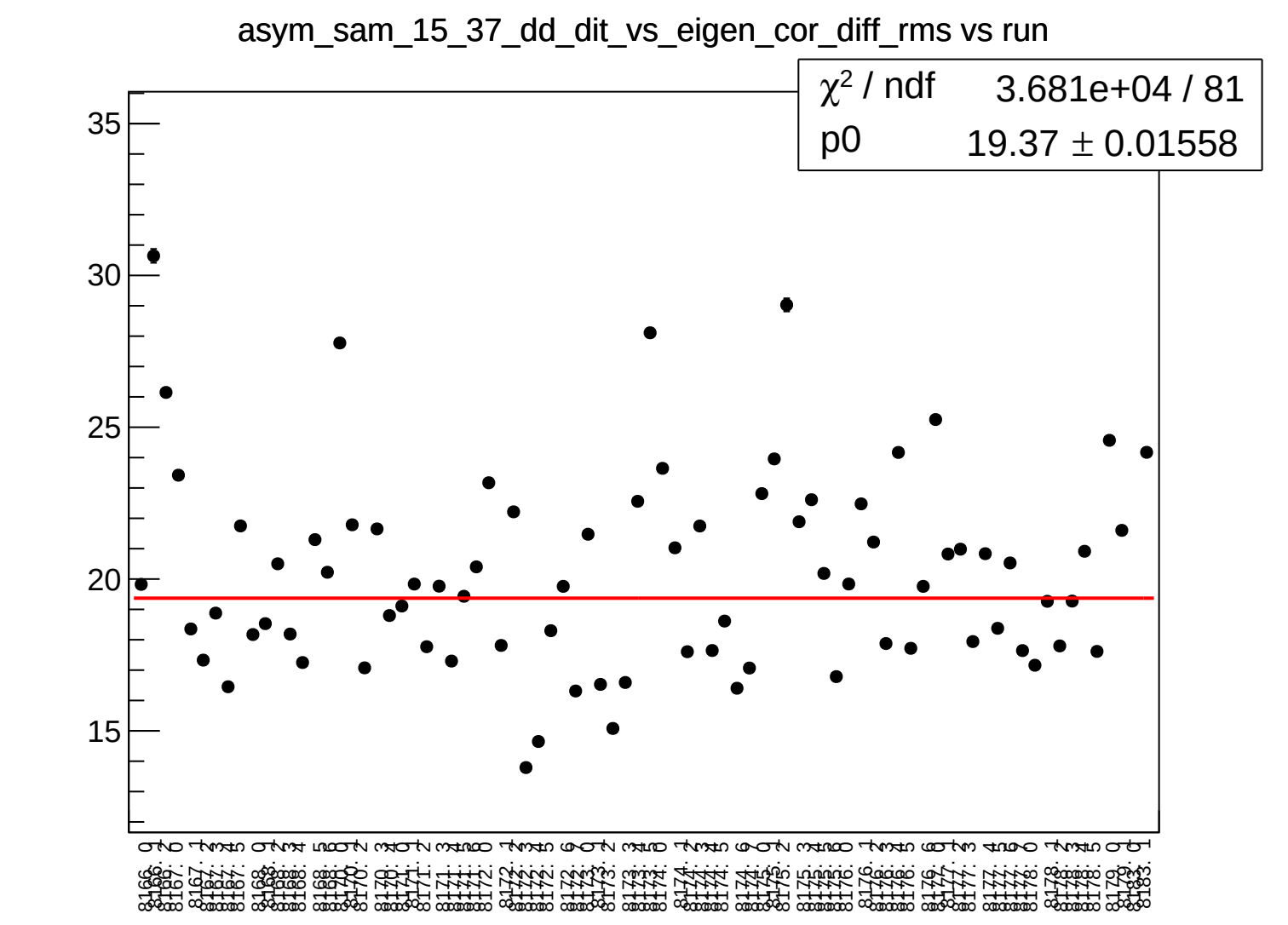

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.08e+05 / 81
p0 4.444e−11 ± 4.751e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

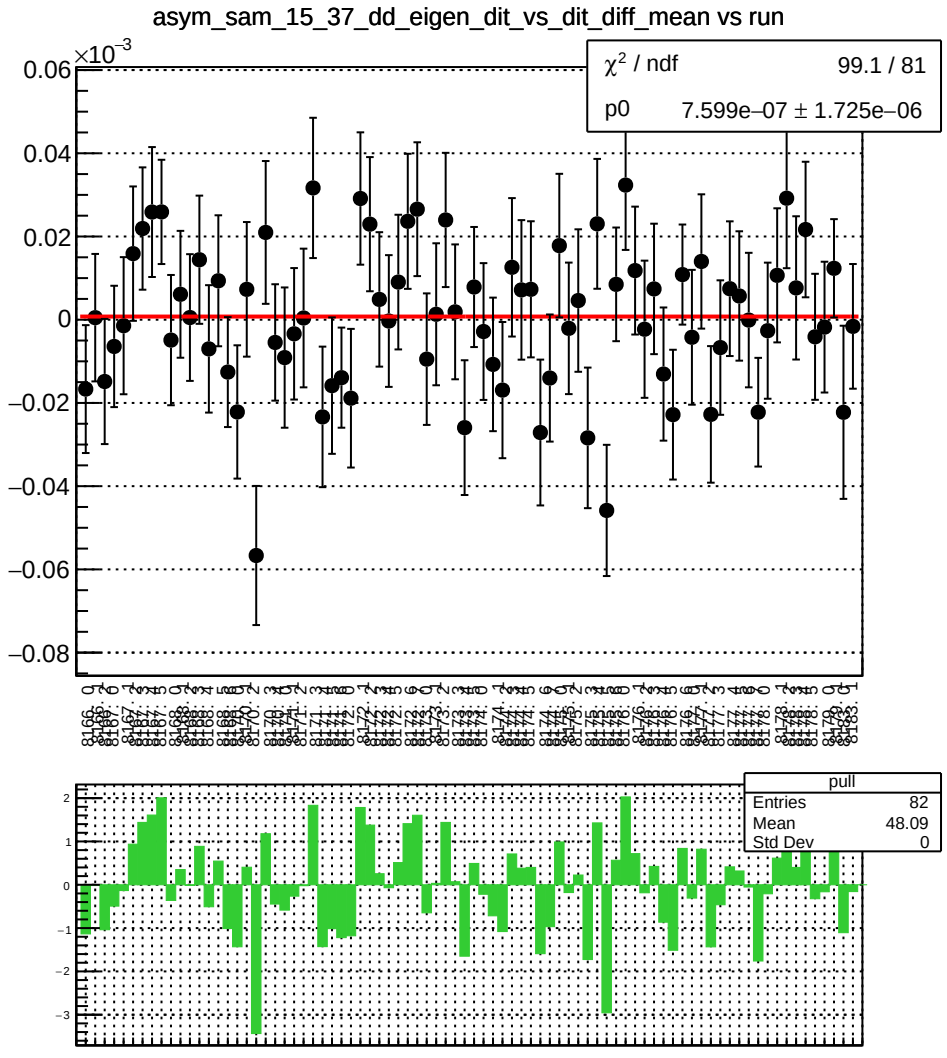

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 110.4 / 81
p0 −0.009991 ± 0.02203
pull
Entries 82
Mean 729.4
Std Dev 0

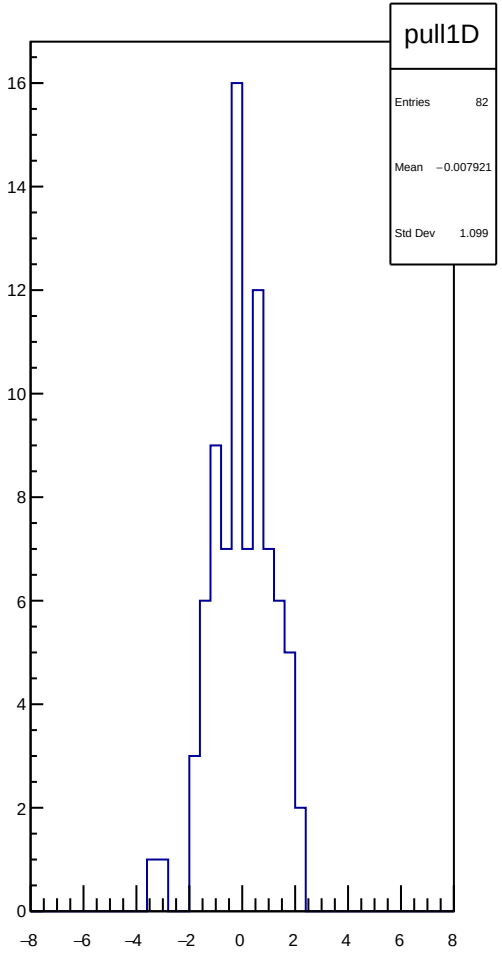

pull1D
Entries 82
Mean 0.003122
Std Dev 1.16

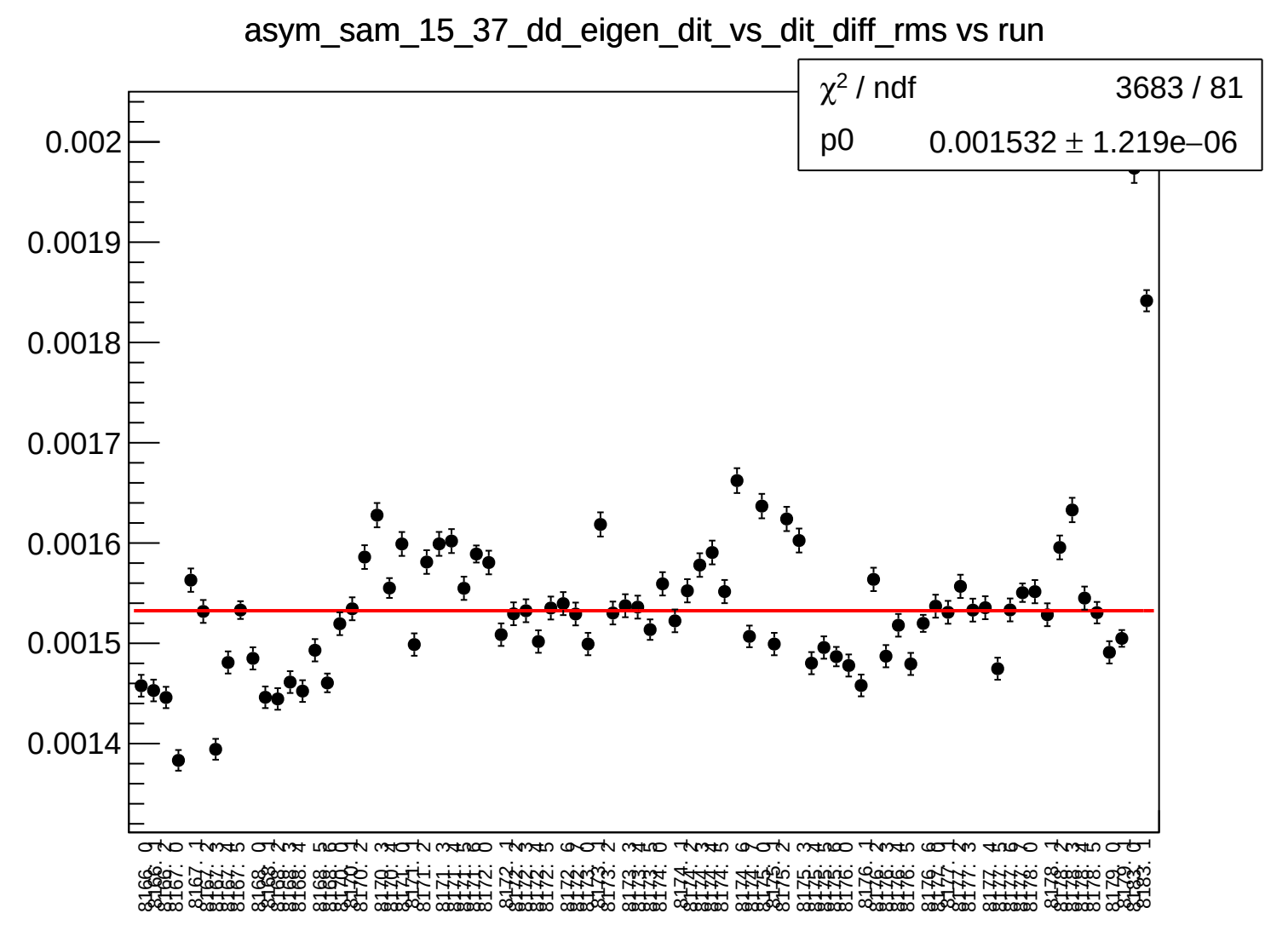

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.681e+04 / 81
p0 19.37 ± 0.01558
35
30
25
20
15

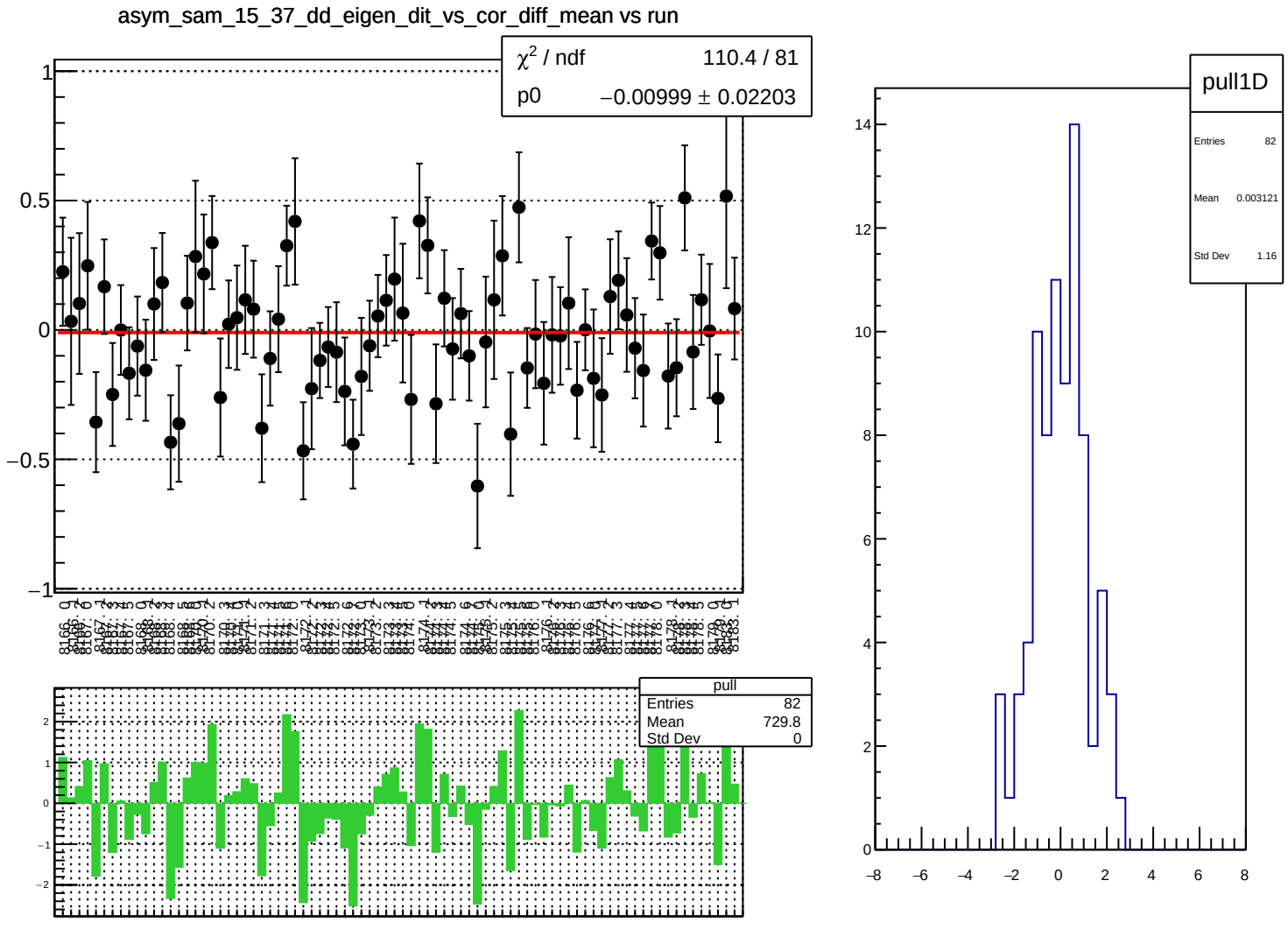

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 110.4 / 81
p0 −0.009991 ± 0.02203
pull
Entries 82
Mean 729.4
Std Dev 0
pull1D
Entries 82
Mean 0.003122
Std Dev 1.16

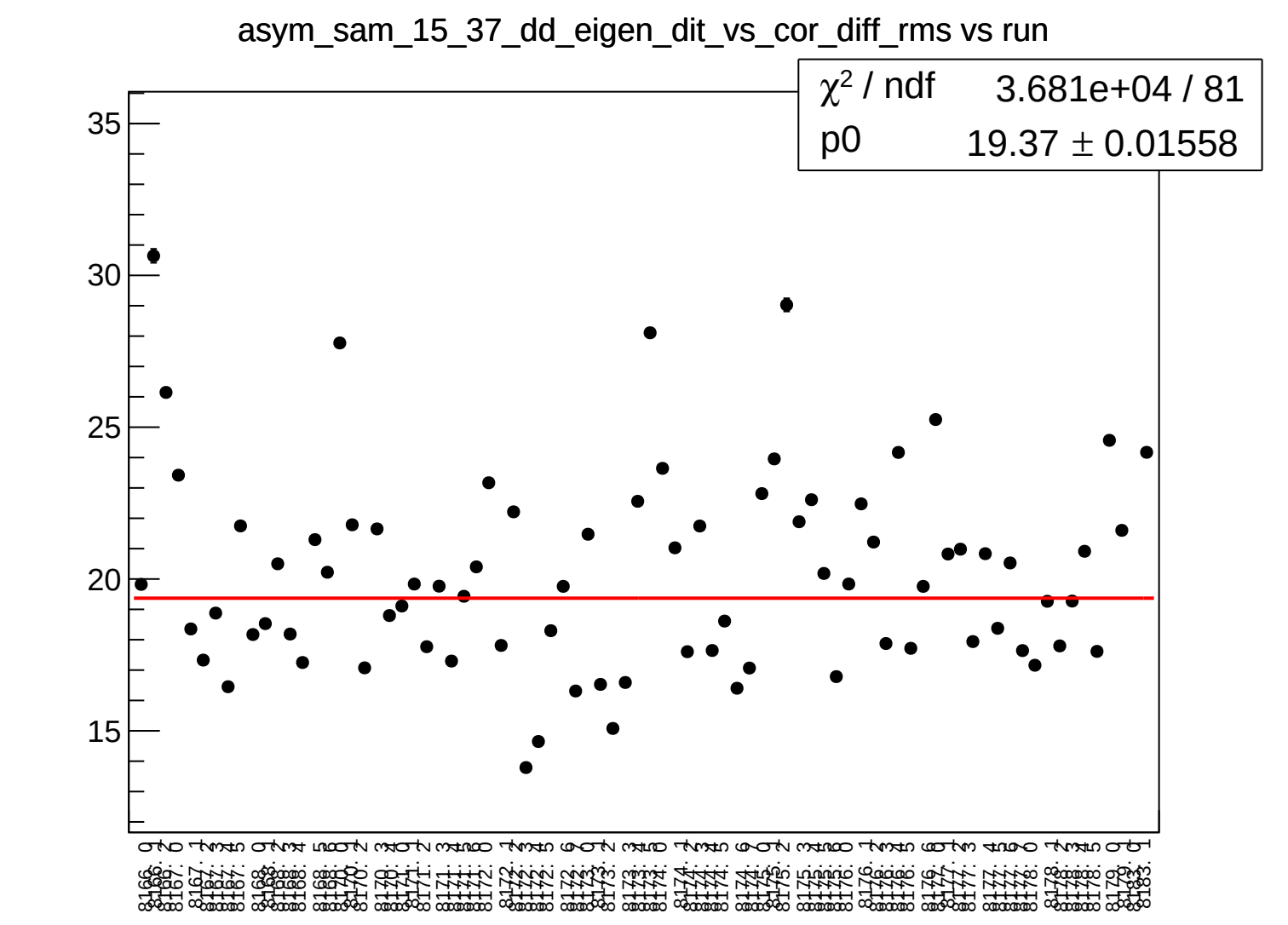

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.681e+04 / 81
p0 19.37 ± 0.01558
35
30
25
20
15


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 99.1 / 81
p0 7.599e−07 ± 1.725e−06
pull
Entries 82
Mean 48.09
Std Dev 0

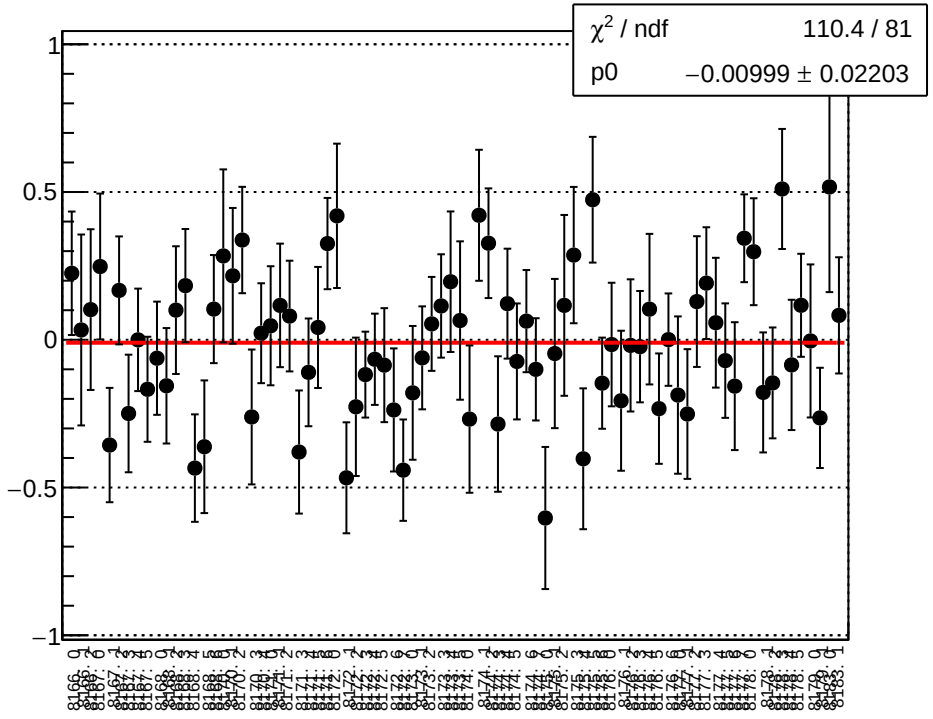

pull1D
Entries 82
Mean −0.007921
Std Dev 1.099

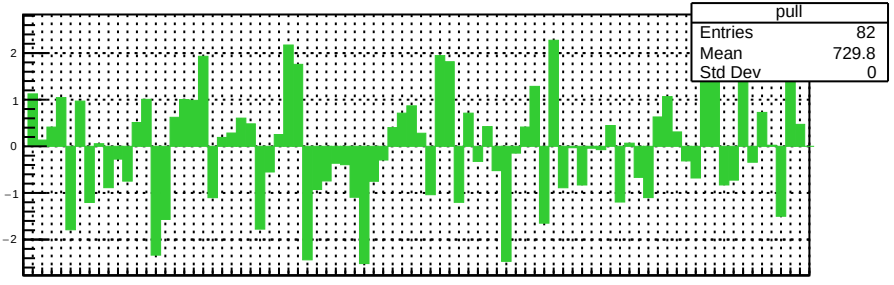

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3683 / 81
p0 0.001532 ± 1.219e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014

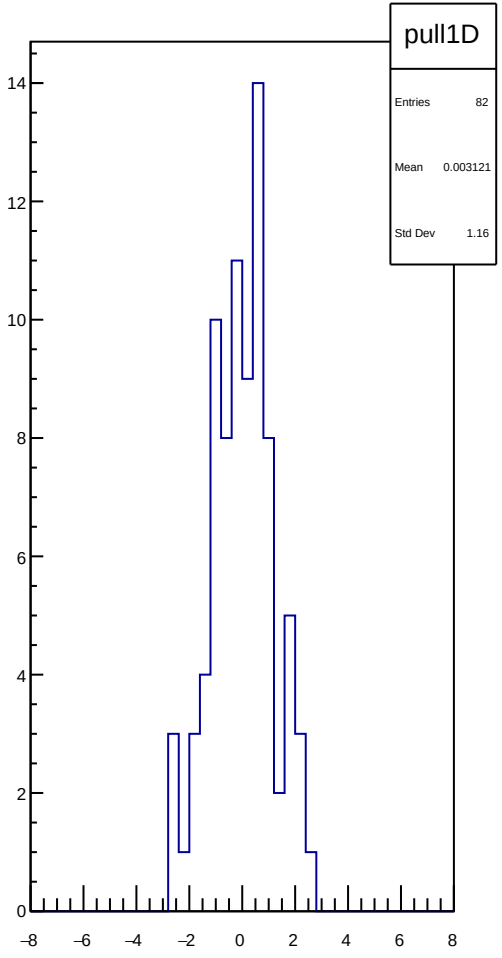

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 110.4 / 81
p0 −0.00999 ± 0.02203
pull
Entries 82
Mean 729.8
Std Dev 0
pull1D
Entries 82
Mean 0.003121
Std Dev 1.16

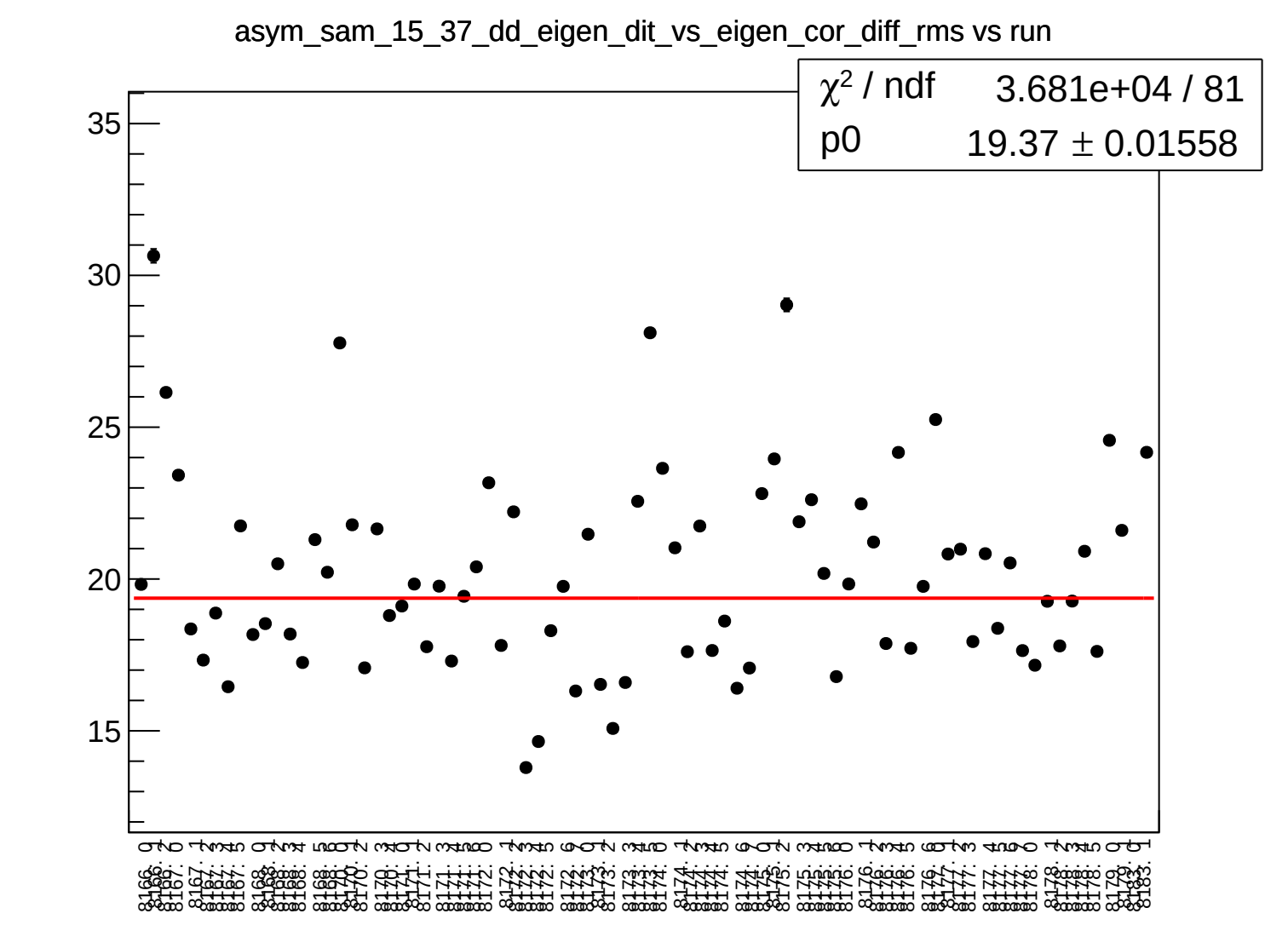

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.681e+04 / 81
p0 19.37 ± 0.01558
35
30
25
20
15

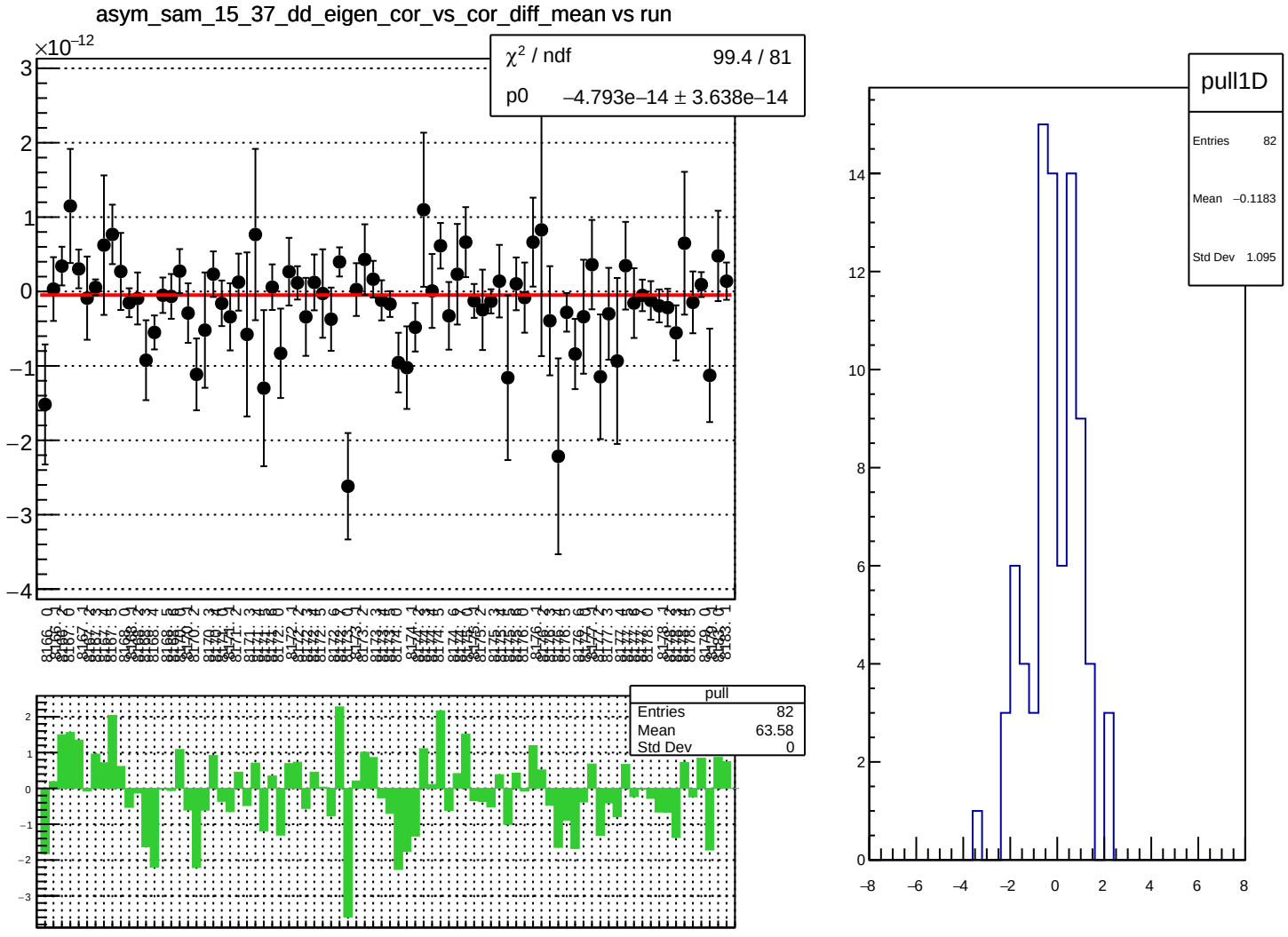
asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

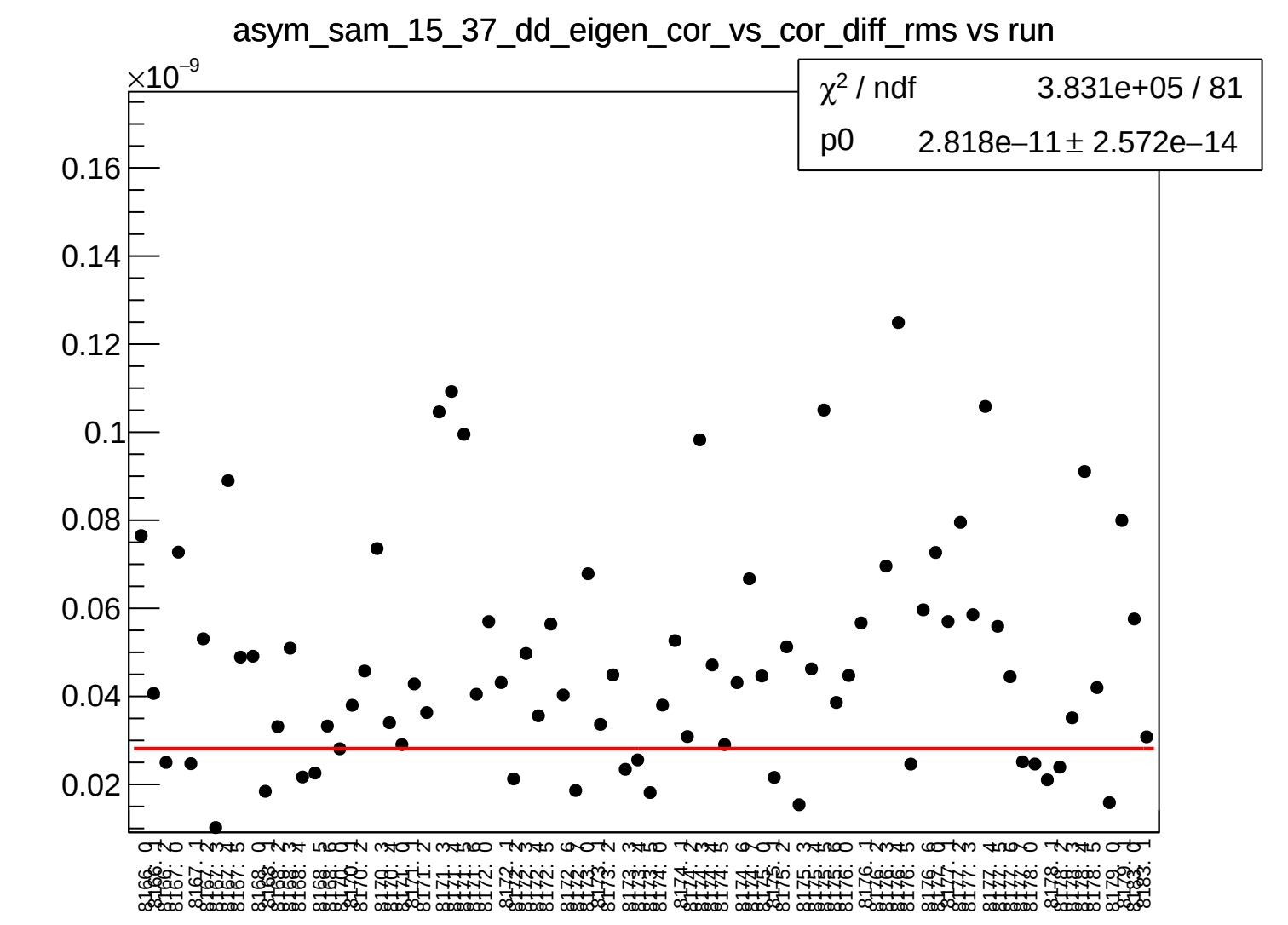


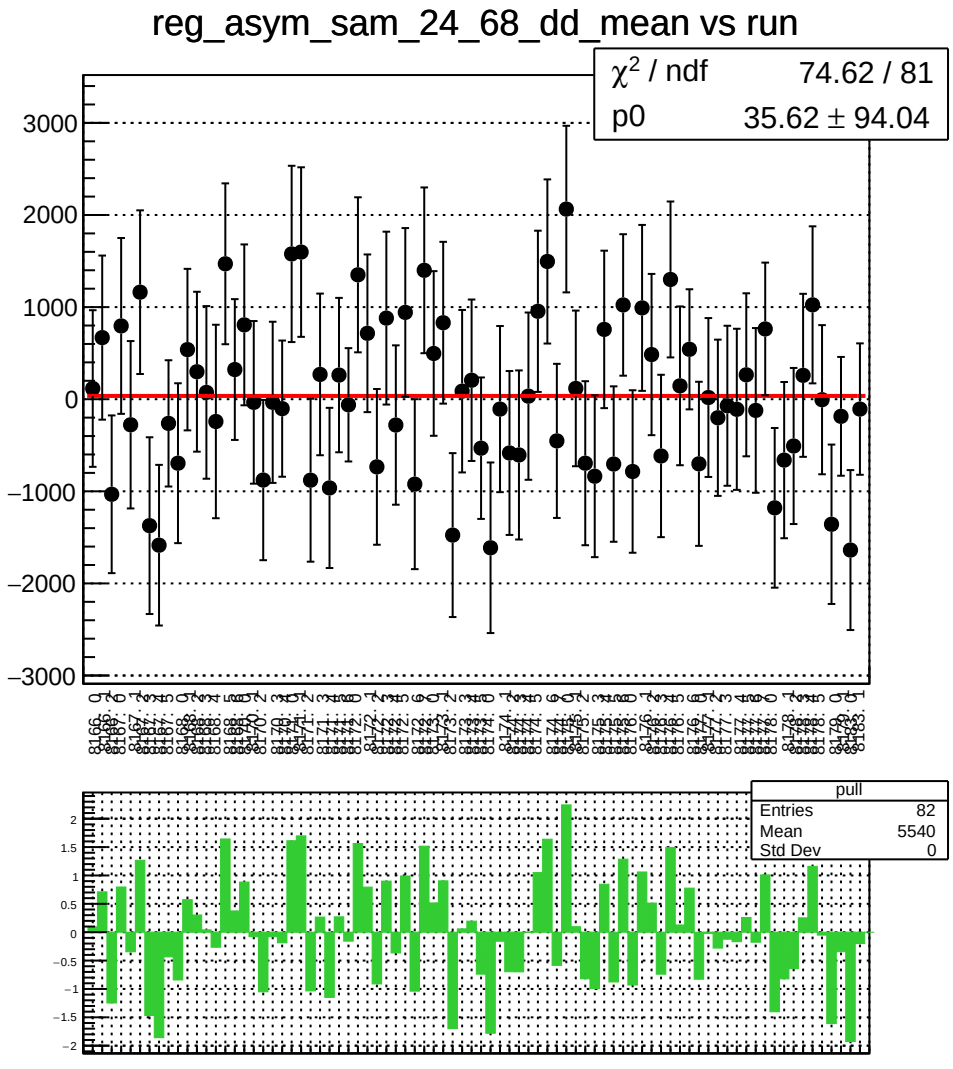


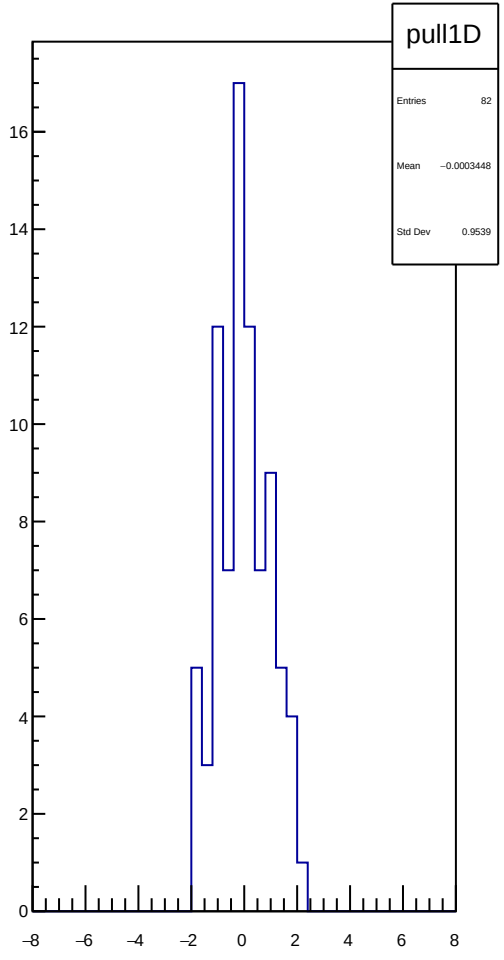


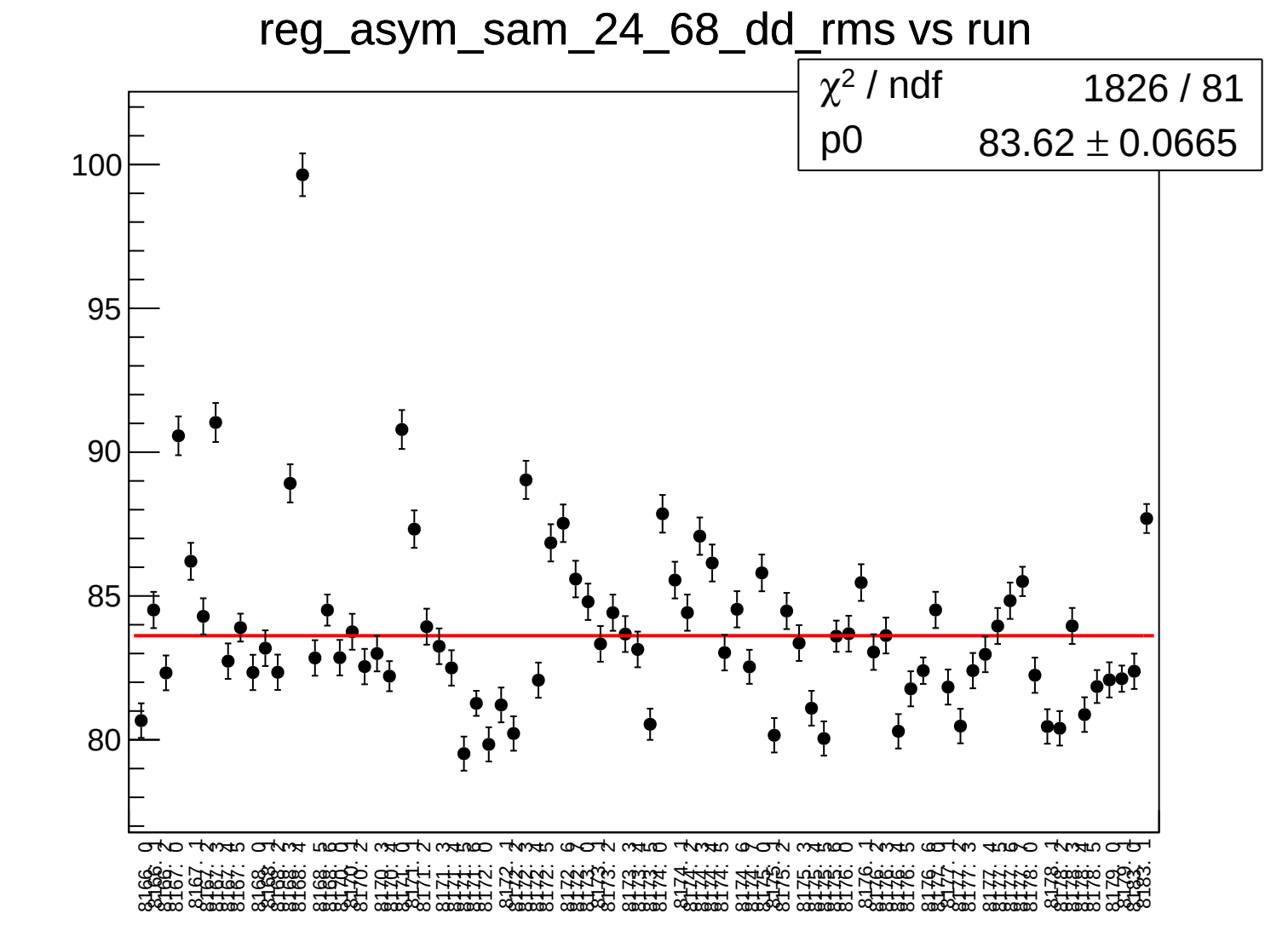

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.681e+04 / 81
p0 19.37 ± 0.01558
35
30
25
20
15

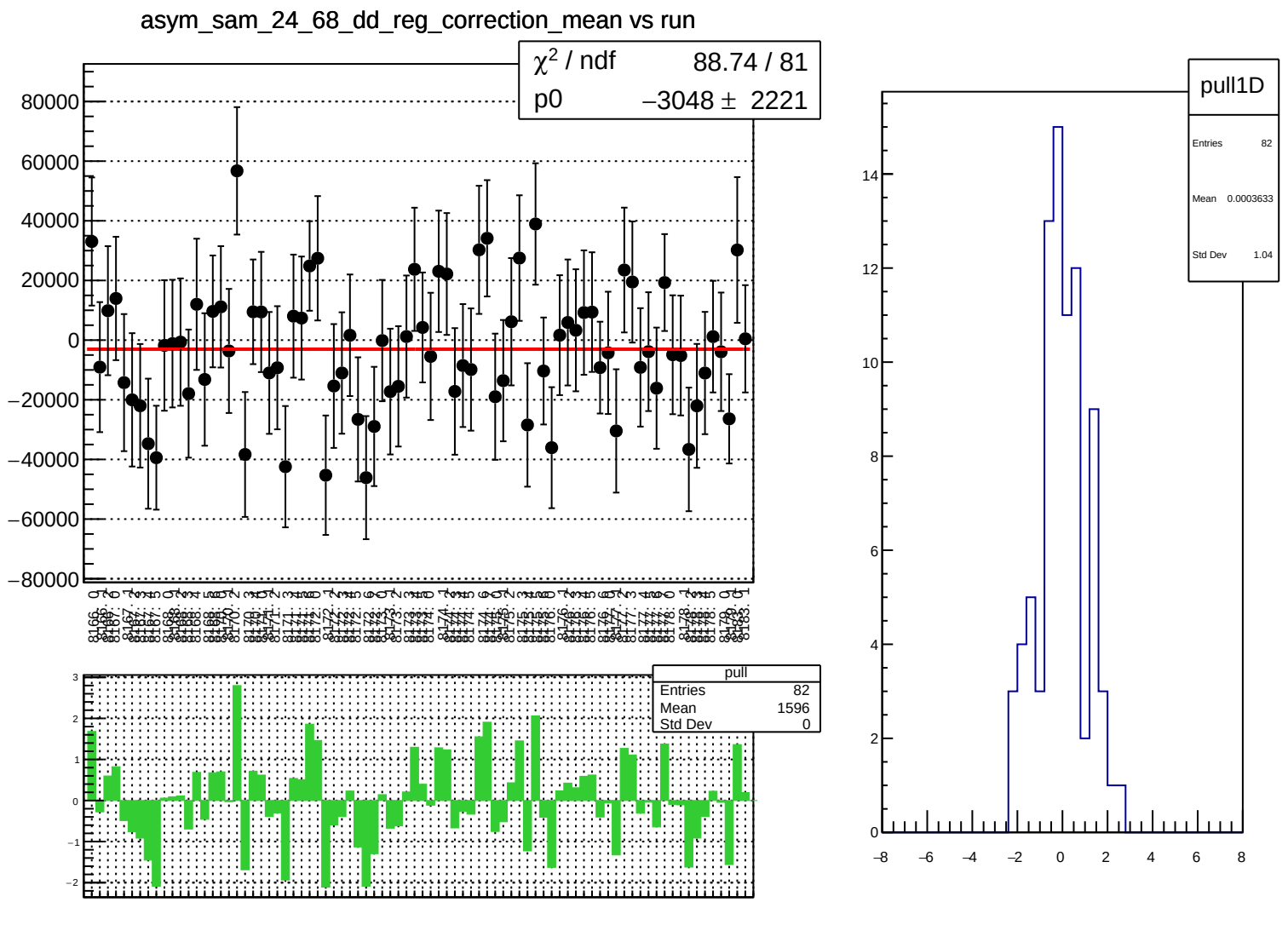

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 99.4 / 81
p0 −4.793e−14 ± 3.638e−14
pull
Entries 82
Mean 63.58
Std Dev 0
pull1D
Entries 82
Mean −0.1183
Std Dev 1.095

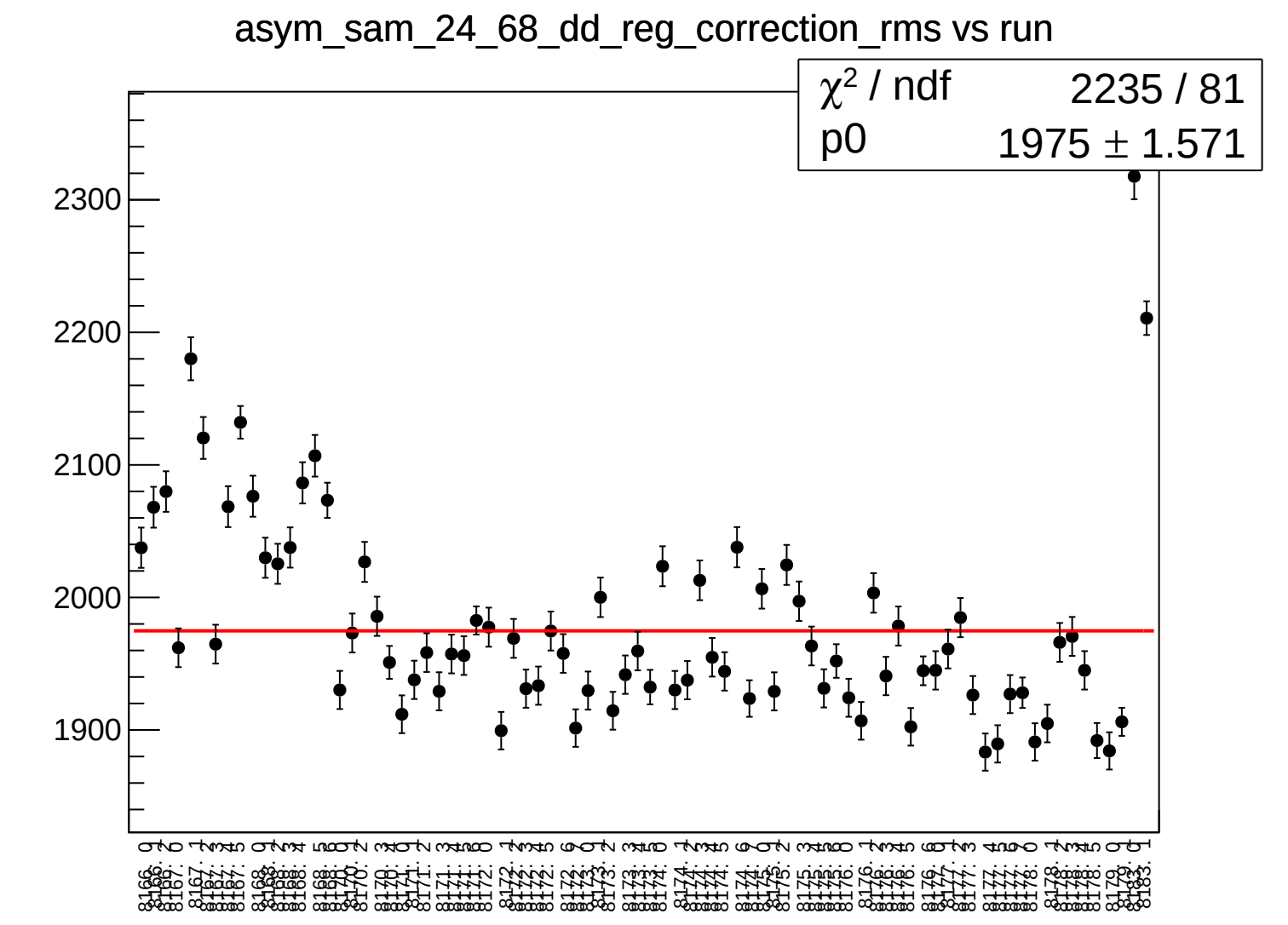

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.831e+05 / 81
p0 2.818e−11 ± 2.572e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

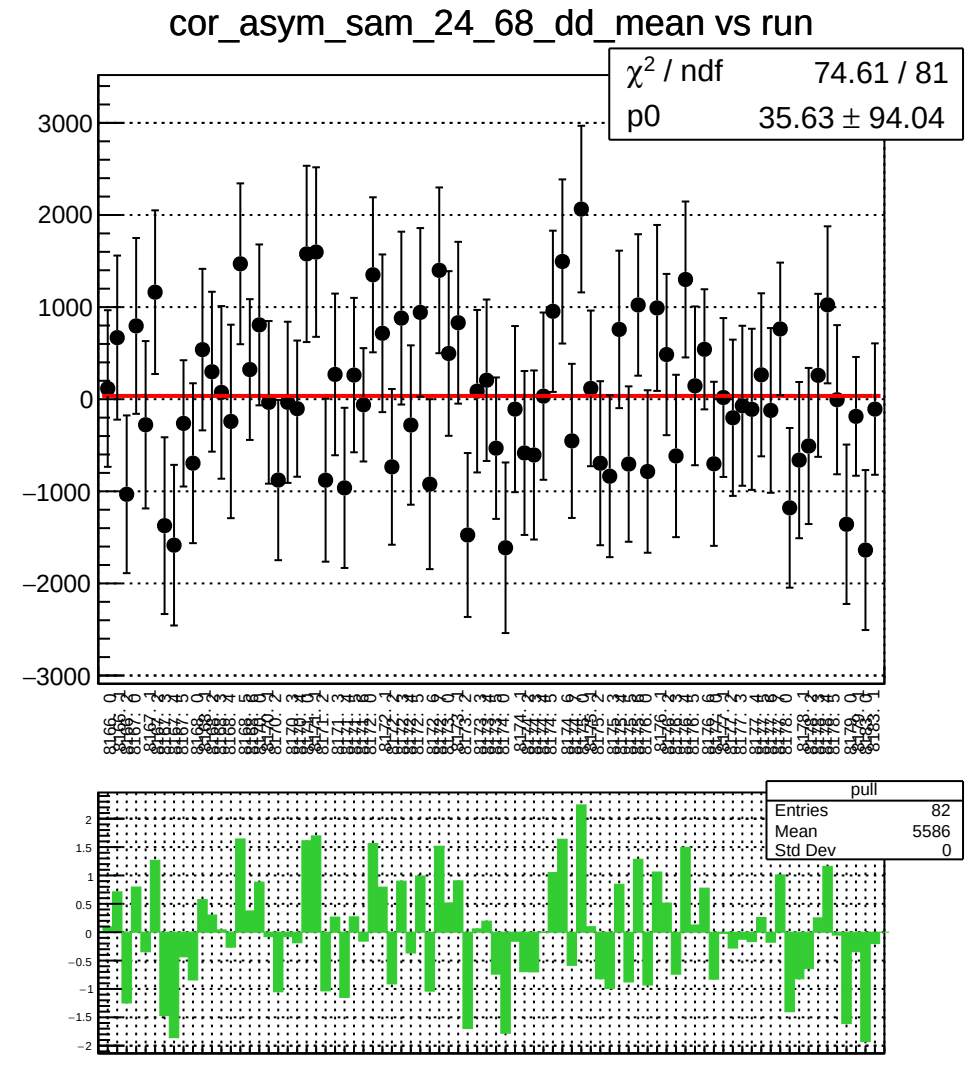

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.62 / 81
p0 35.62 ± 94.04
pull
Entries 82
Mean 5540
Std Dev 0

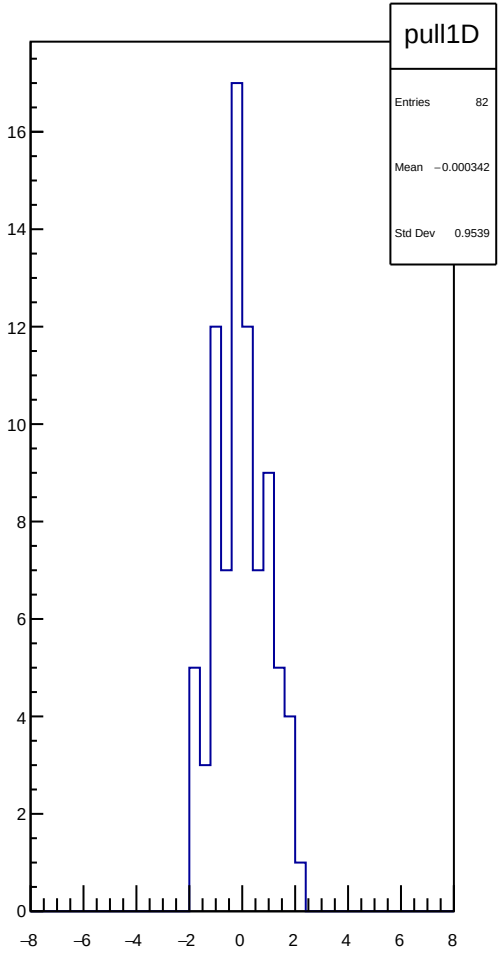

pull1D
Entries 82
Mean −0.0003448
Std Dev 0.9539

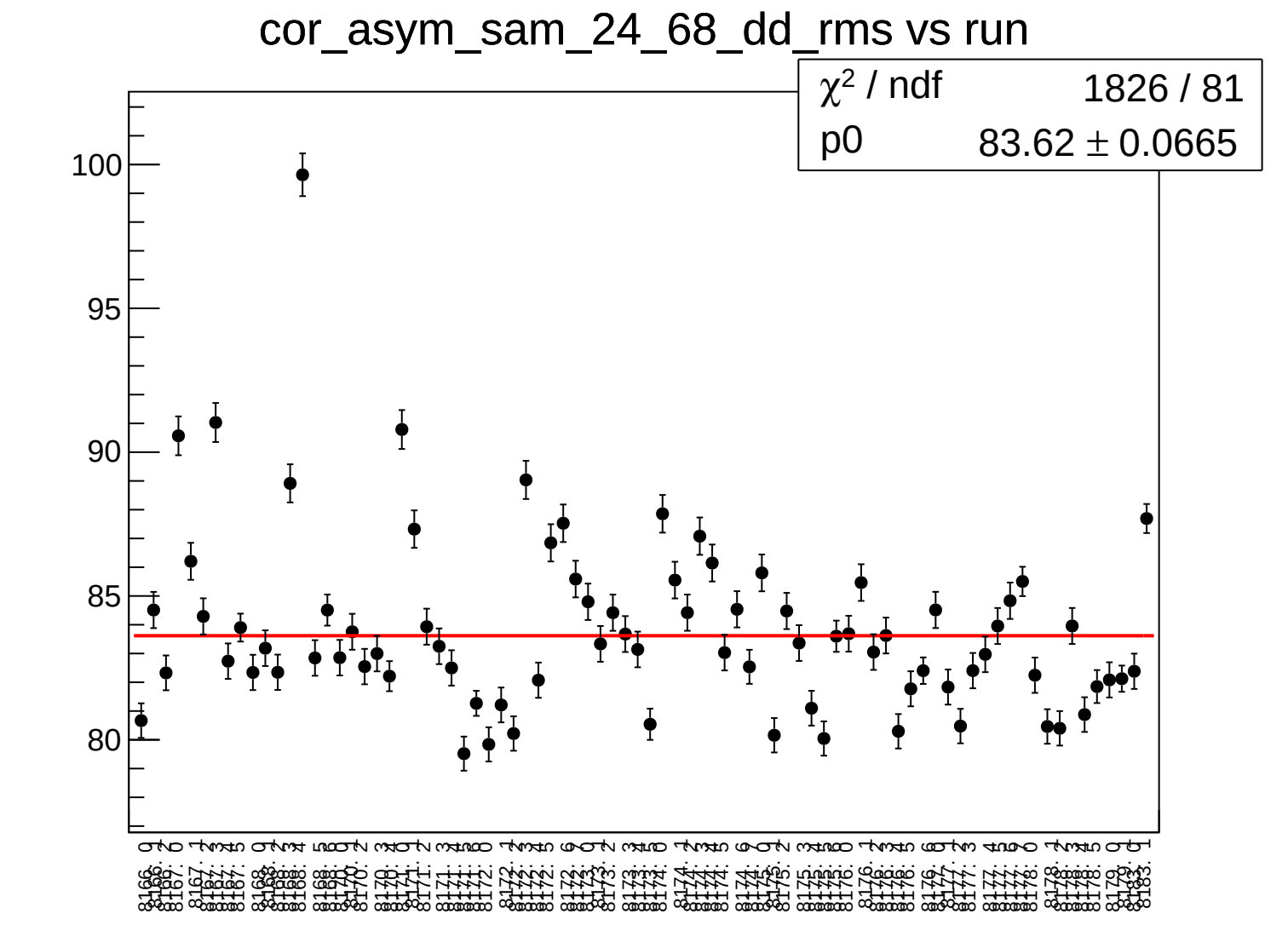

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 1826 / 81
p0 83.62 ± 0.0665
100
95
90
85
80

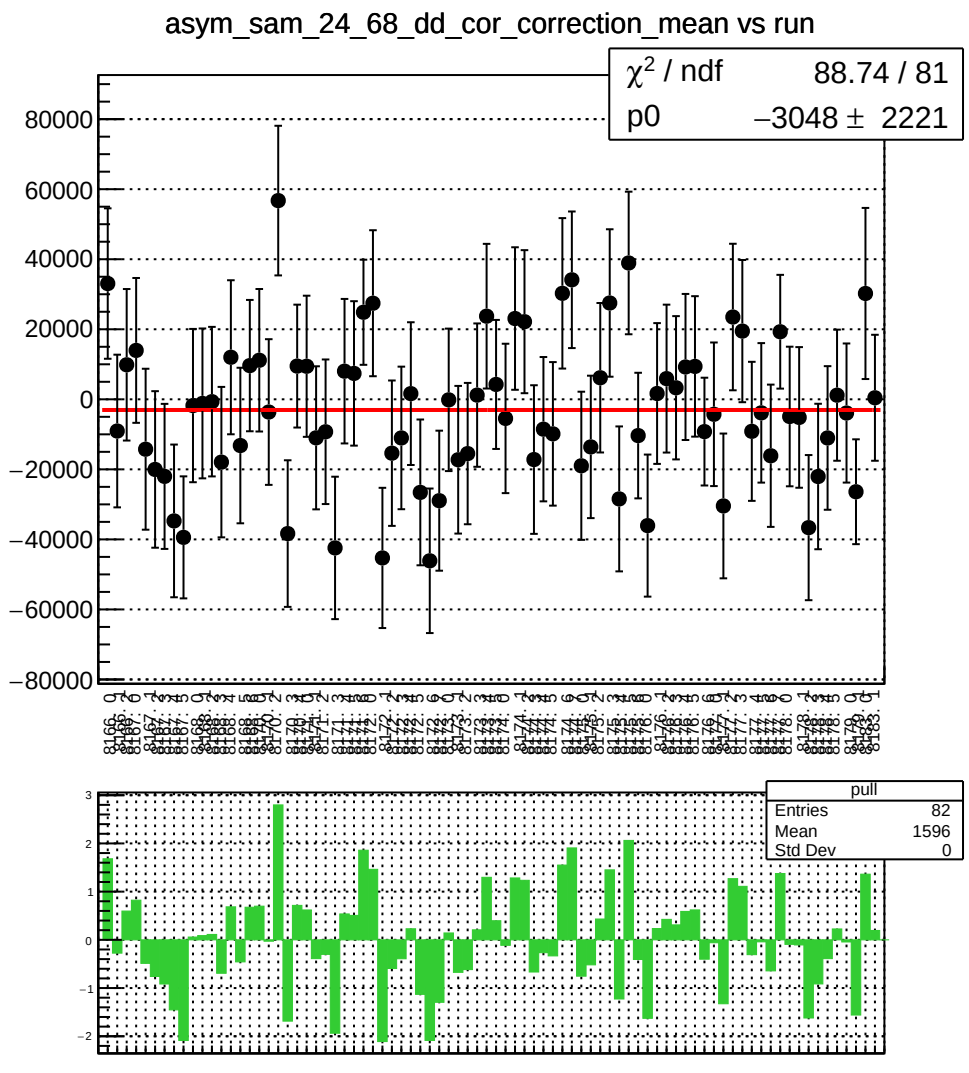

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 88.74 / 81
p0 −3048 ± 2221
pull
Entries 82
Mean 1596
Std Dev 0
pull1D
Entries 82
Mean 0.0003633
Std Dev 1.04

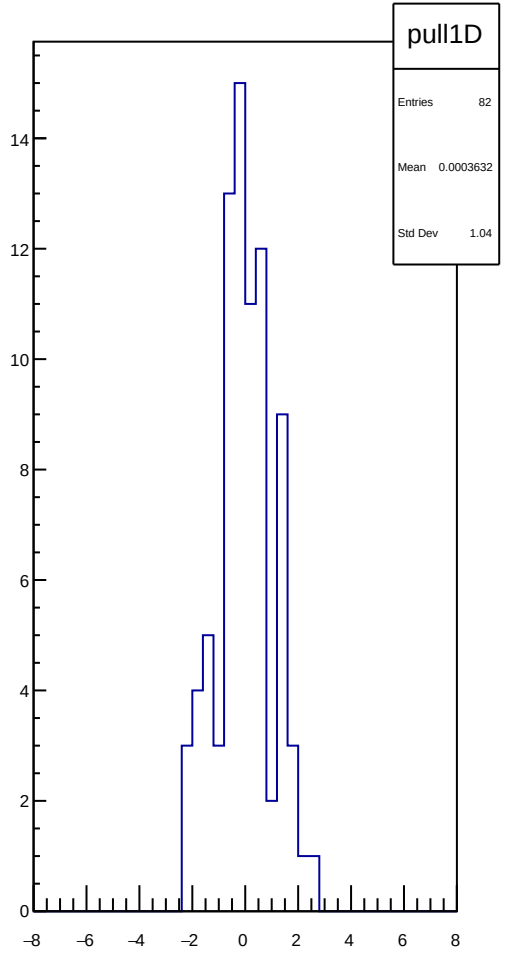

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 2235 / 81
p0 1975 ± 1.571
2300
2200
2100
2000
1900

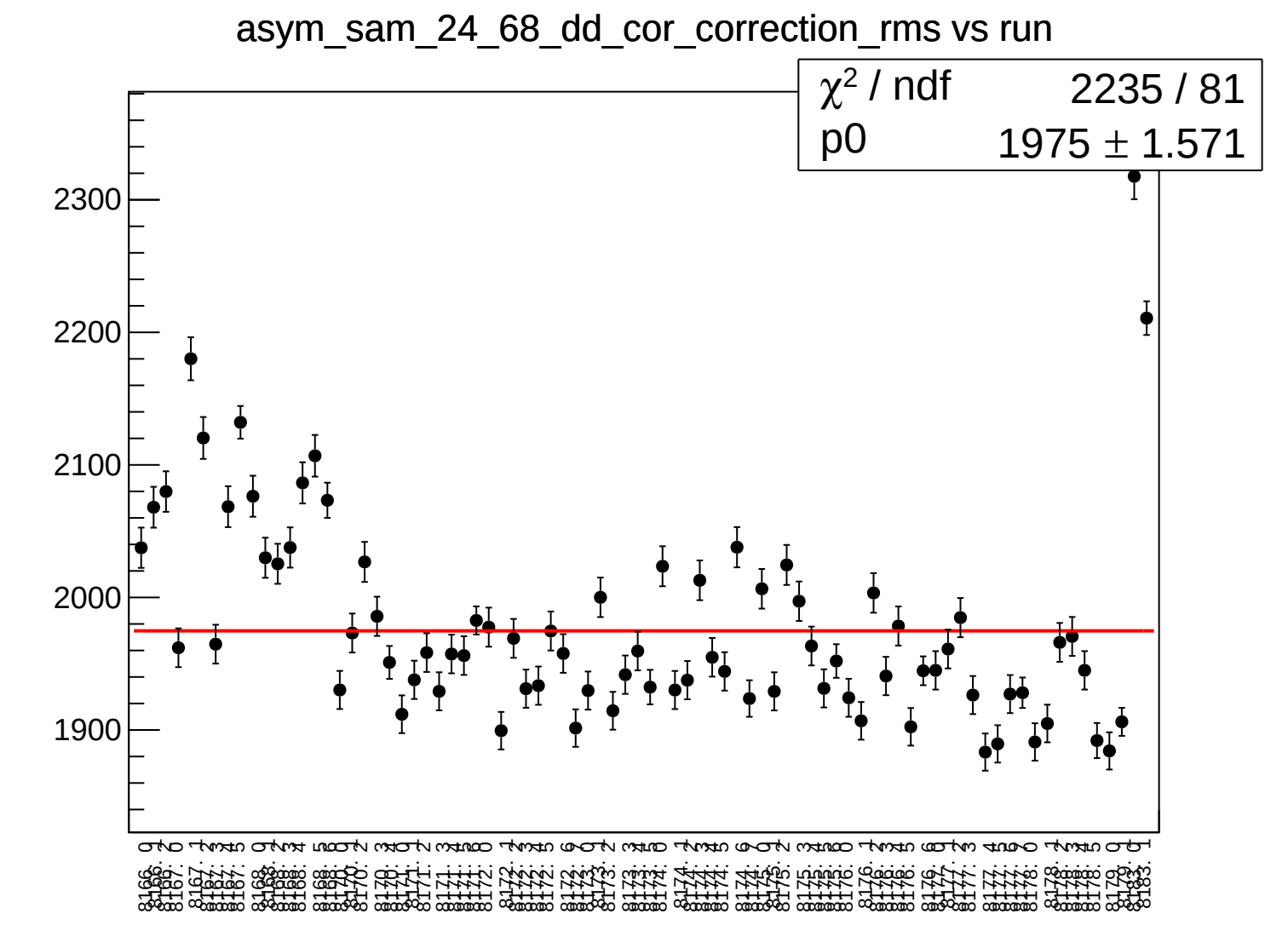

cor_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 74.61 / 81
p0 35.63 ± 94.04
pull
Entries 82
Mean 5586
Std Dev 0

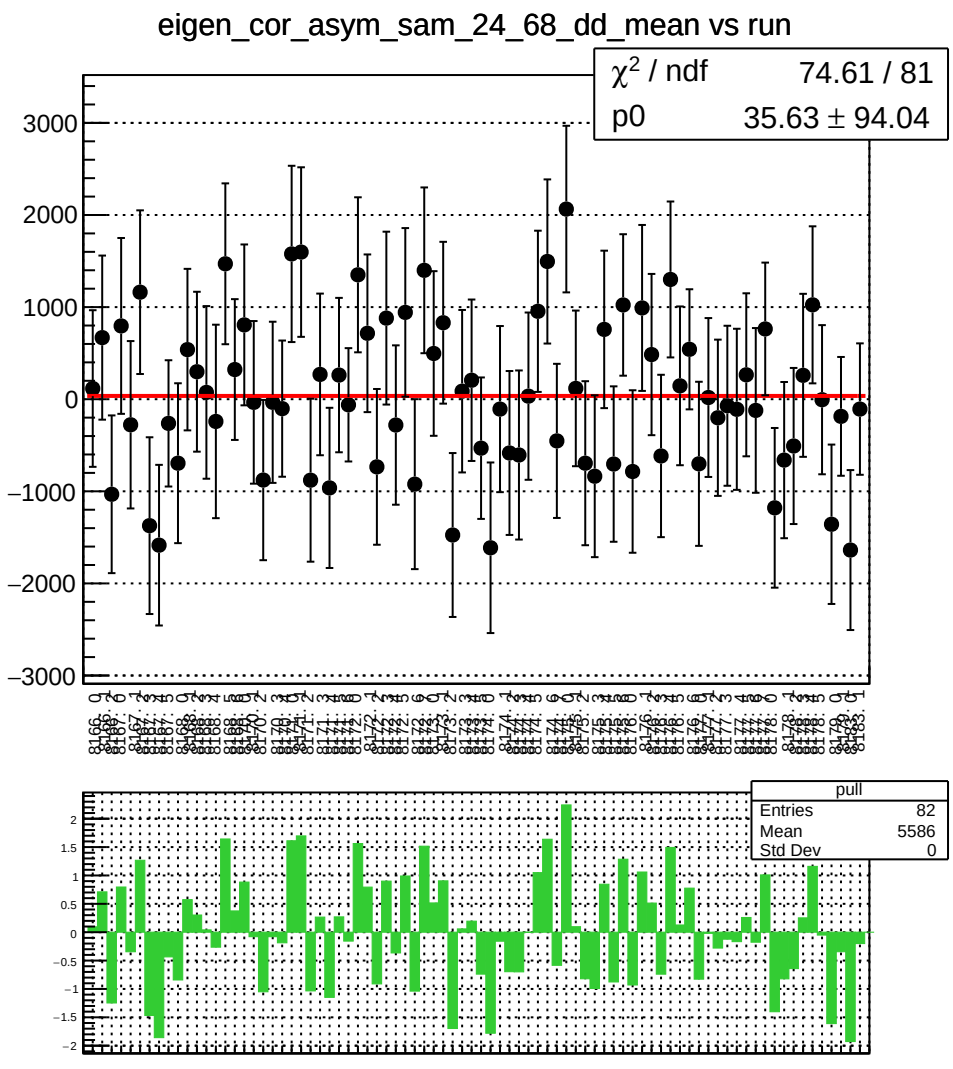

pull1D
Entries 82
Mean −0.000342
Std Dev 0.9539

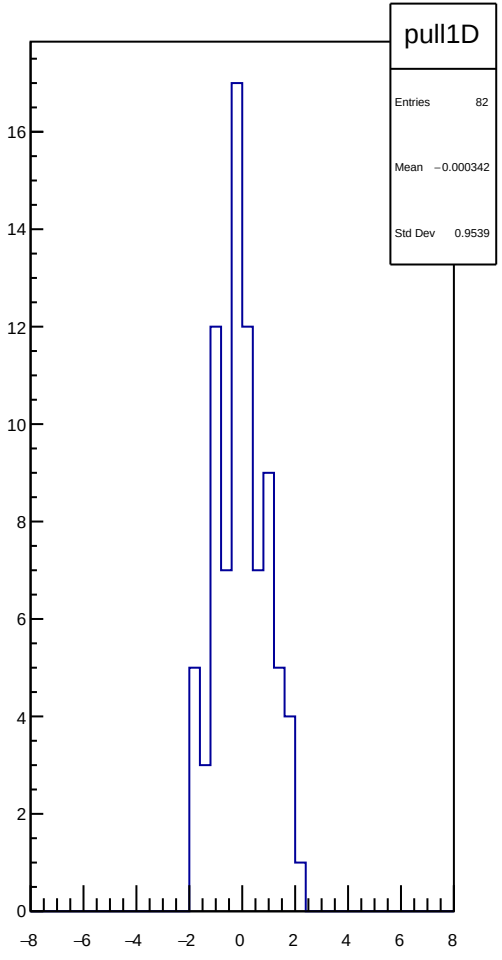

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1826 / 81
p0 83.62 ± 0.0665
100
95
90
85
80

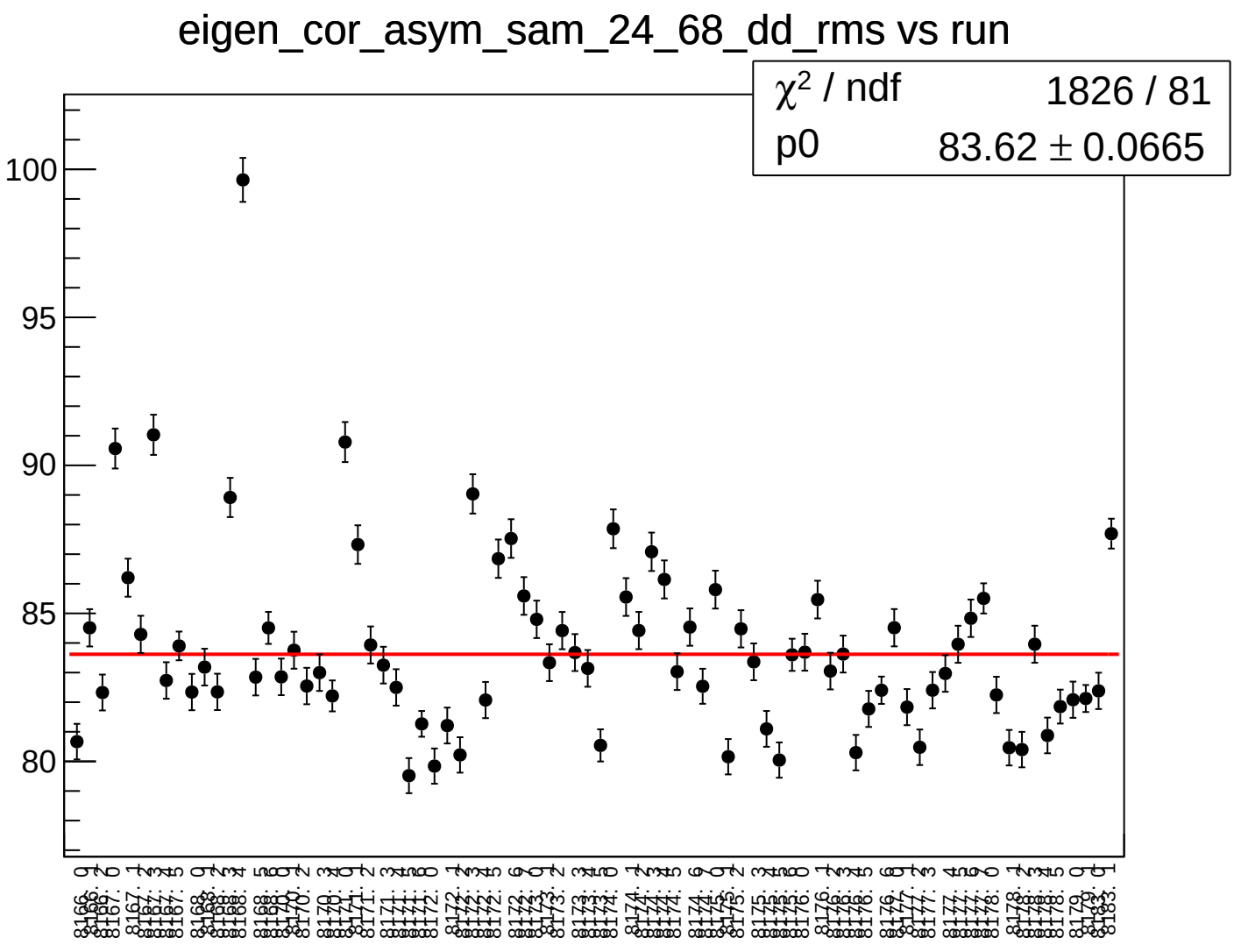

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 88.74 / 81
p0 −3048 ± 2221
pull
Entries 82
Mean 1596
Std Dev 0

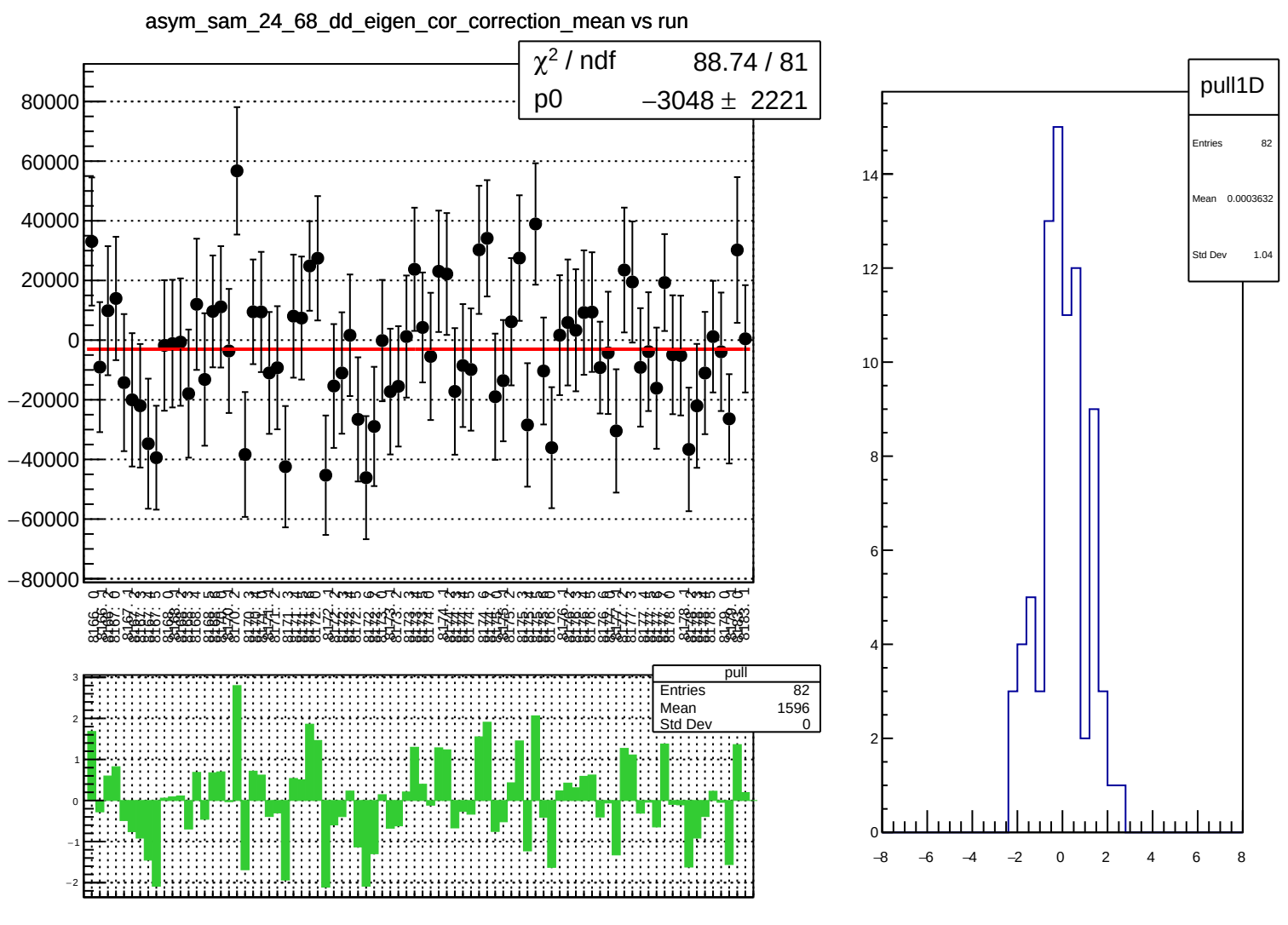

pull1D
Entries 82
Mean 0.0003632
Std Dev 1.04

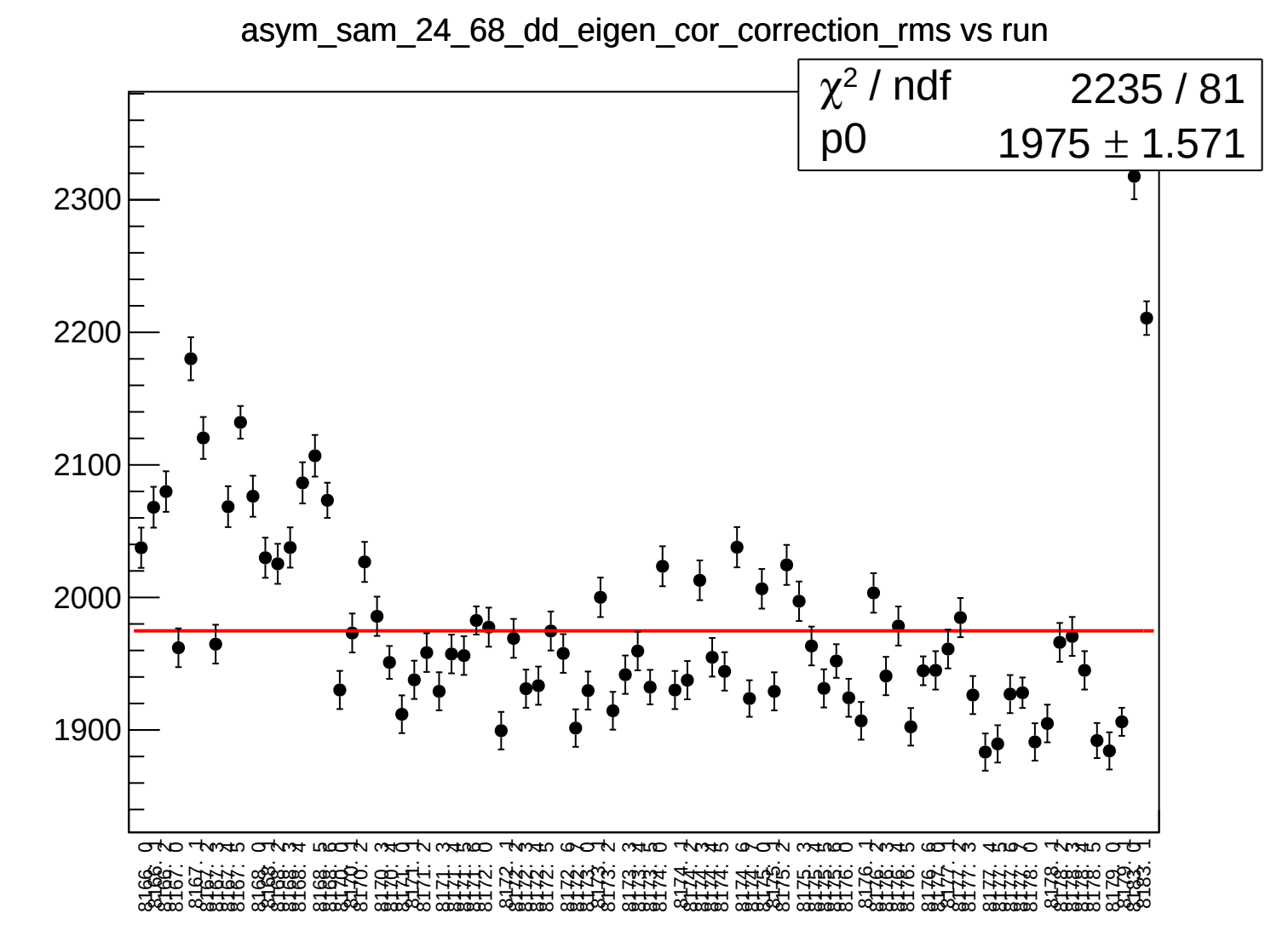

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 2235 / 81
p0 1975 ± 1.571
2300
2200
2100
2000
1900

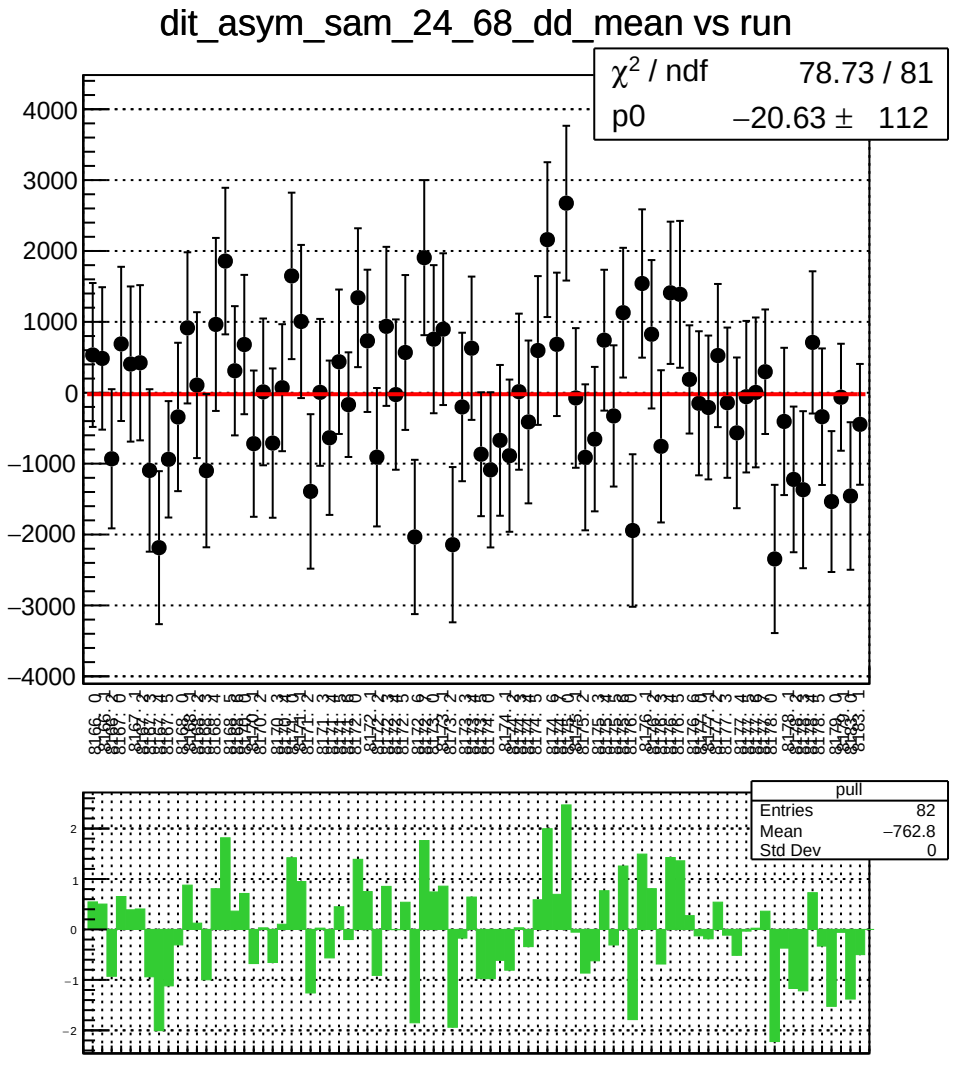

eigen_cor_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 74.61 / 81
p0 35.63 ± 94.04
pull
Entries 82
Mean 5586
Std Dev 0

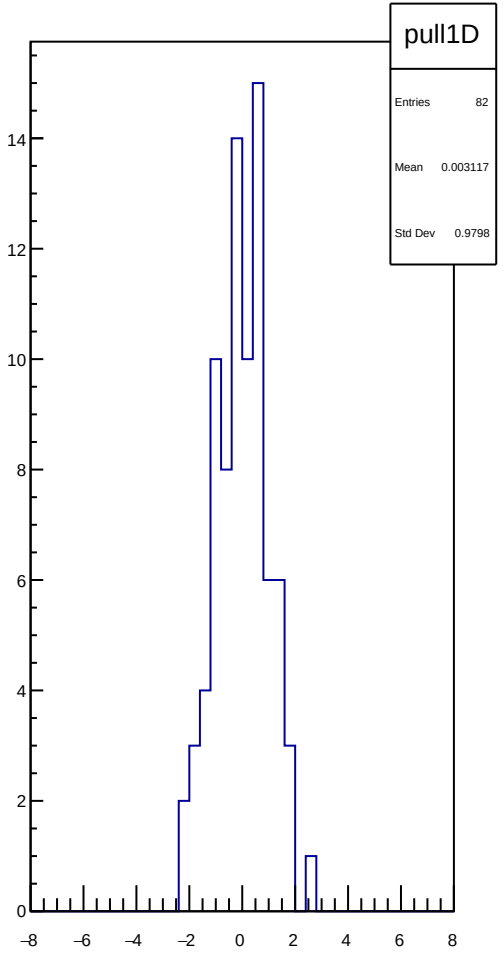

pull1D
Entries 82
Mean −0.000342
Std Dev 0.9539

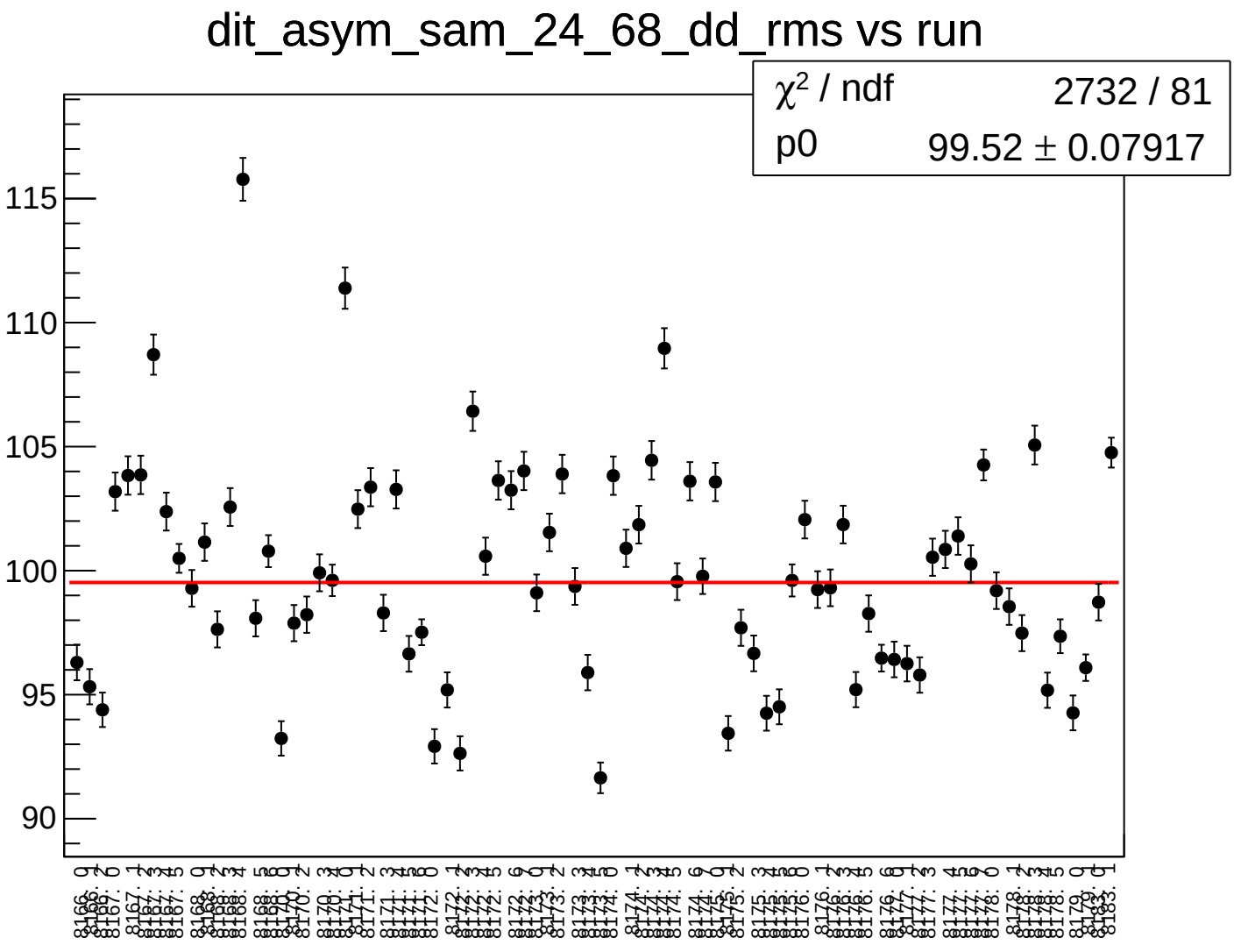

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 1826 / 81
p0 83.62 ± 0.0665
100
95
90
85
80

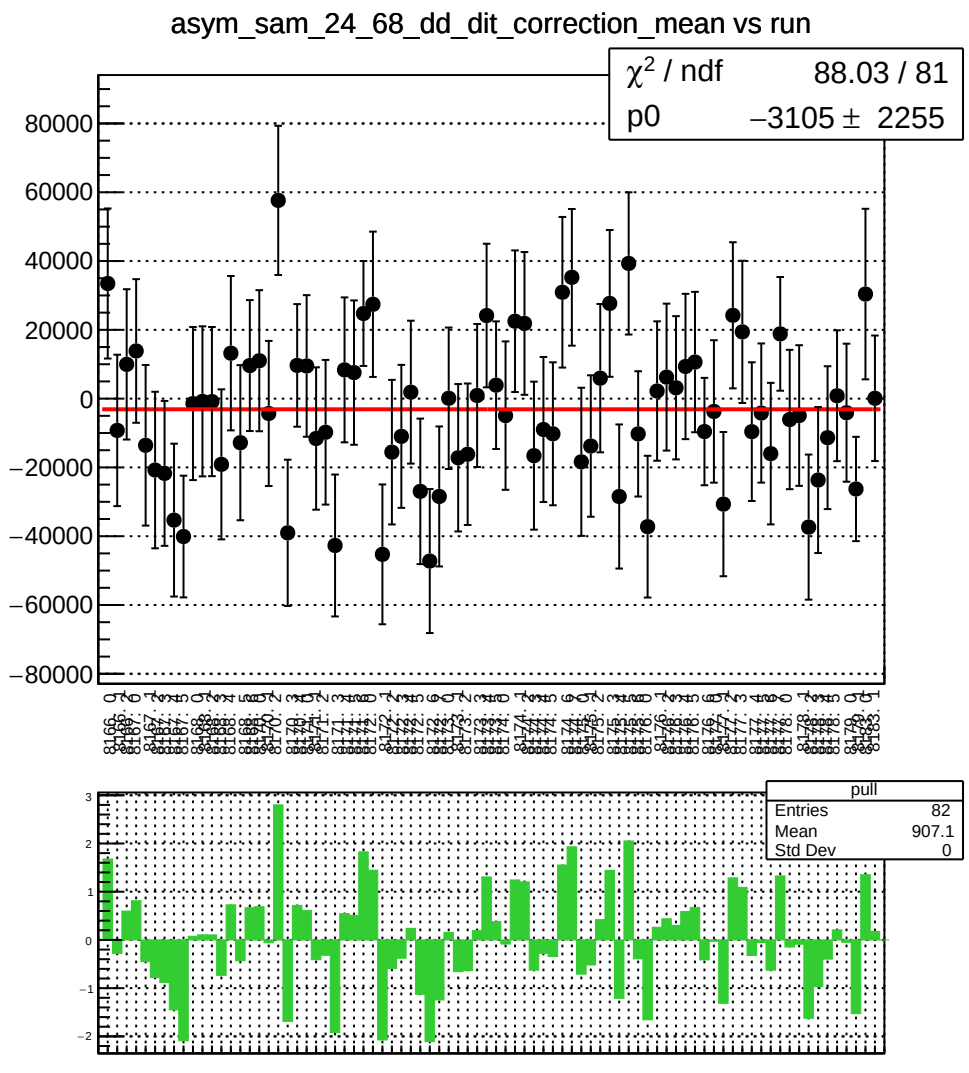

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 88.74 / 81
p0 −3048 ± 2221
pull
Entries 82
Mean 1596
Std Dev 0
pull1D
Entries 82
Mean 0.0003632
Std Dev 1.04

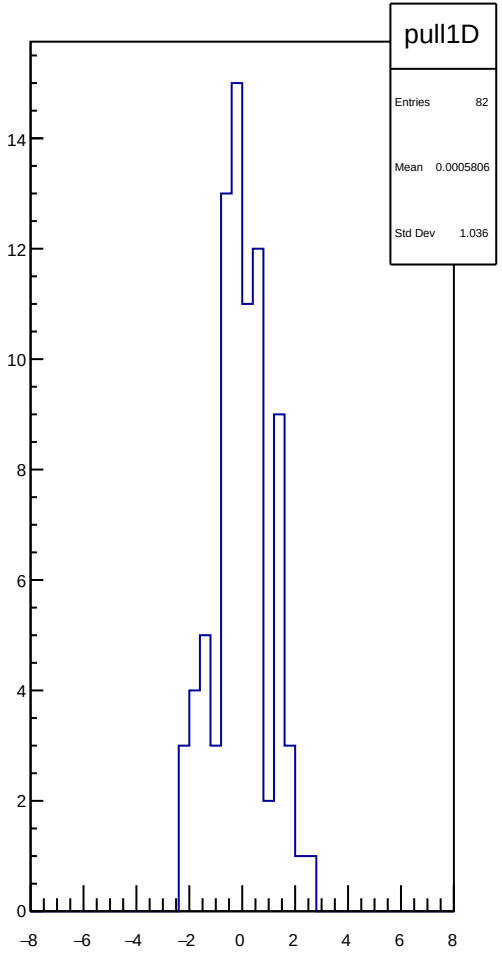

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 2235 / 81
p0 1975 ± 1.571
2300
2200
2100
2000
1900

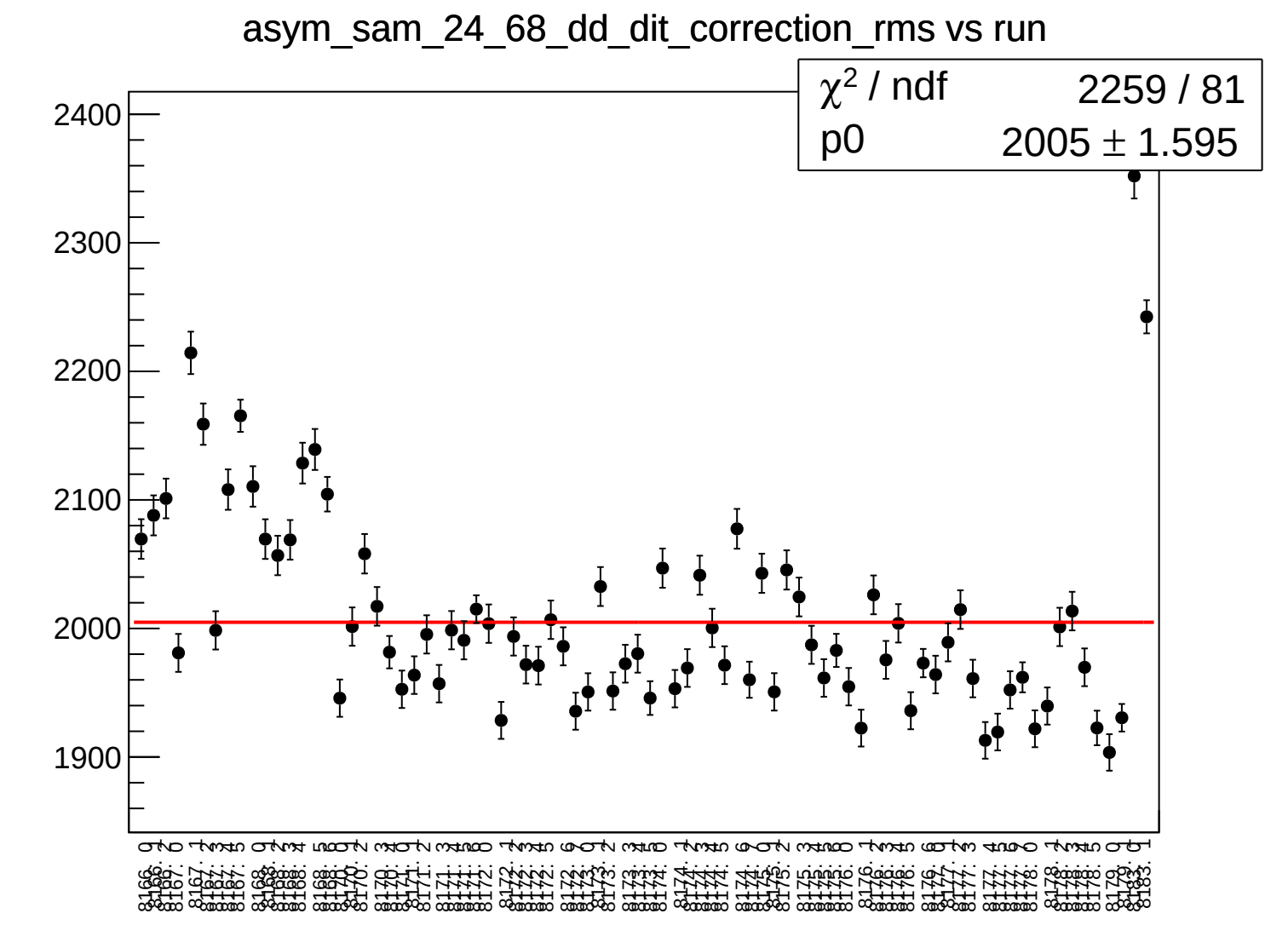

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 78.73 / 81
p0 −20.63 ± 112
pull
Entries 82
Mean −762.8
Std Dev 0

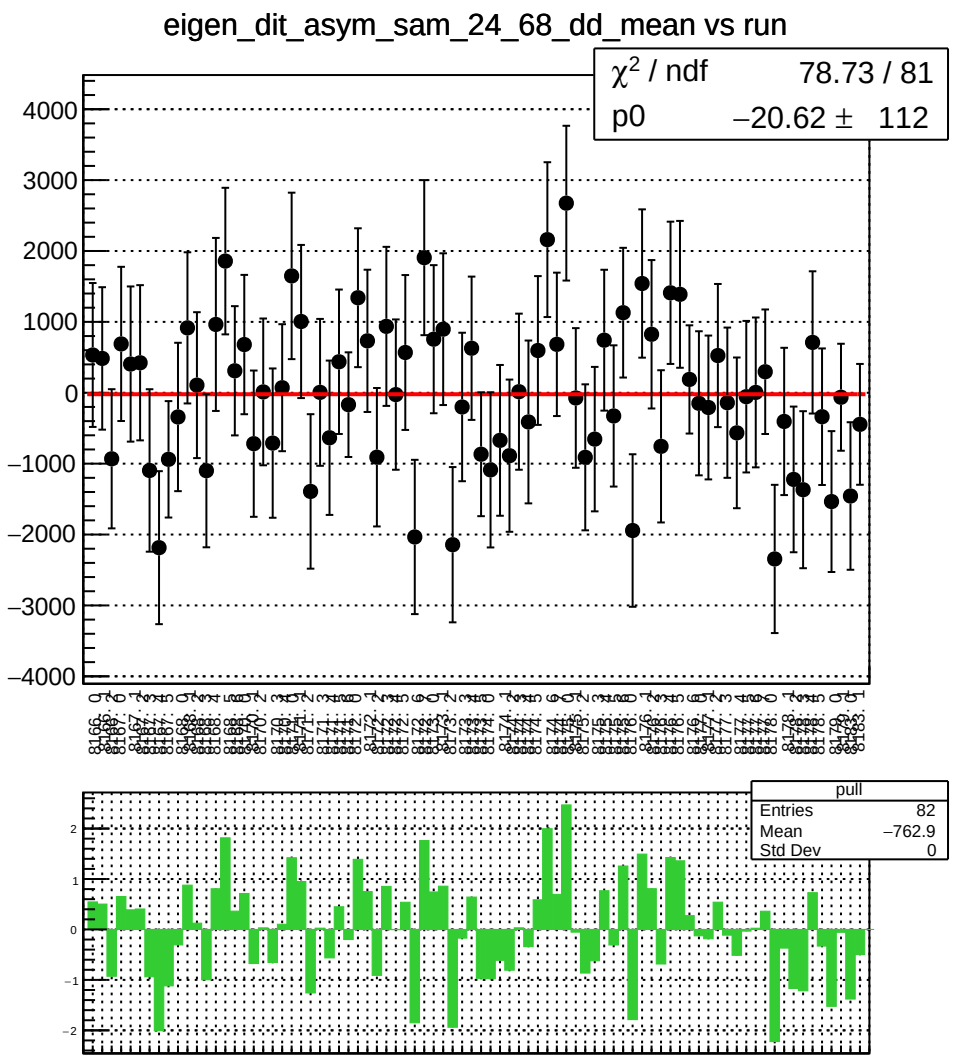

pull1D
Entries 82
Mean 0.003117
Std Dev 0.9798

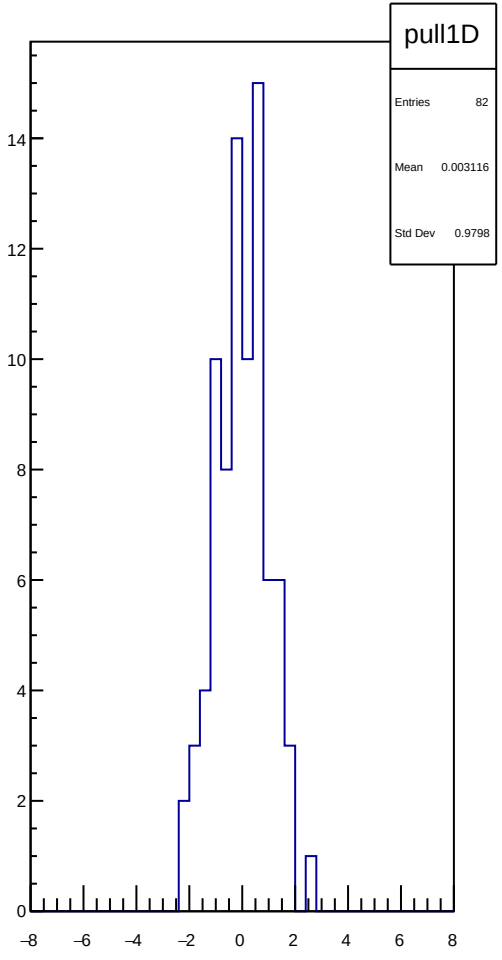

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2732 / 81
p0 99.52 ± 0.07917
115
110
105
100
95
90

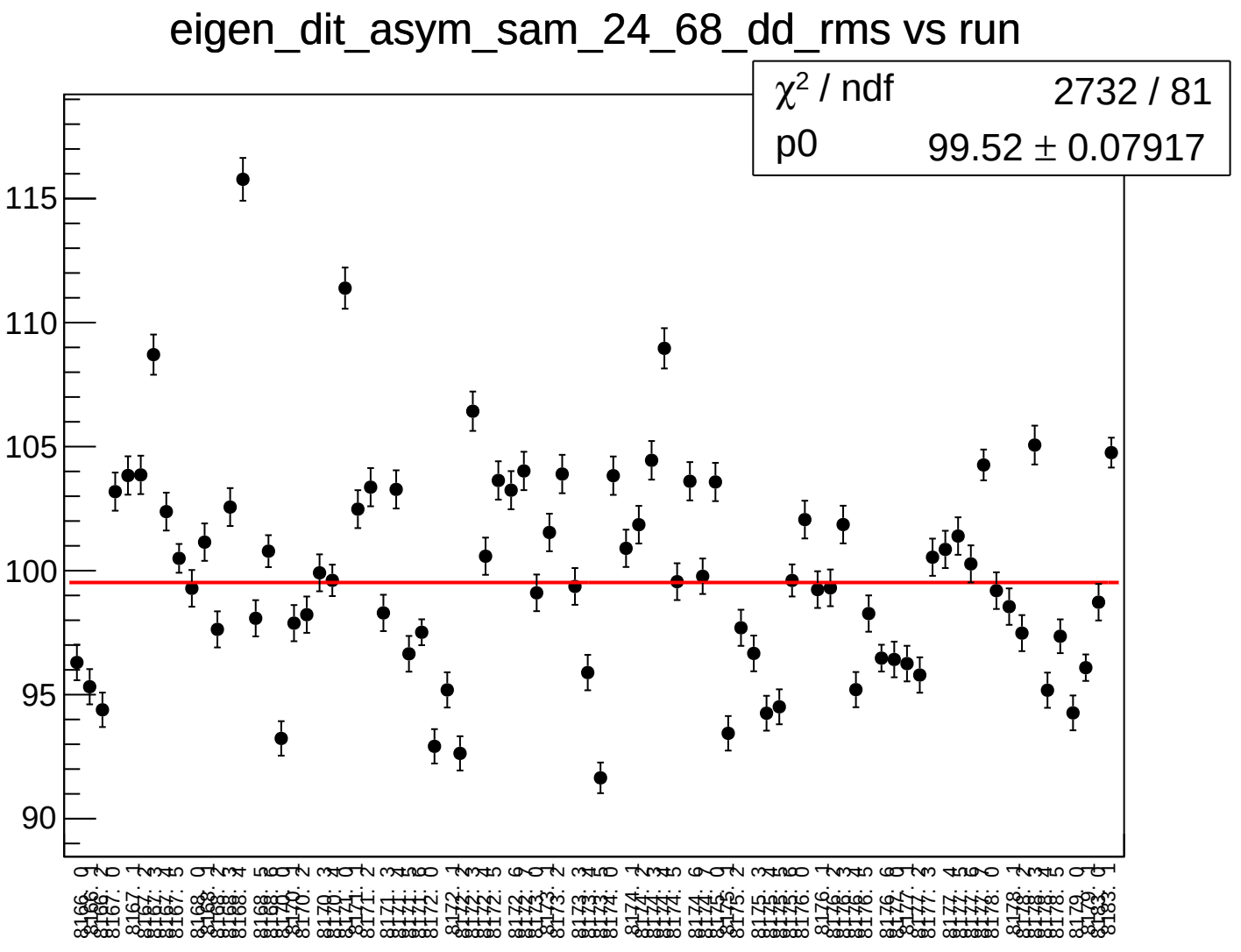

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 88.03 / 81
p0 −3105 ± 2255
pull
Entries 82
Mean 907.1
Std Dev 0

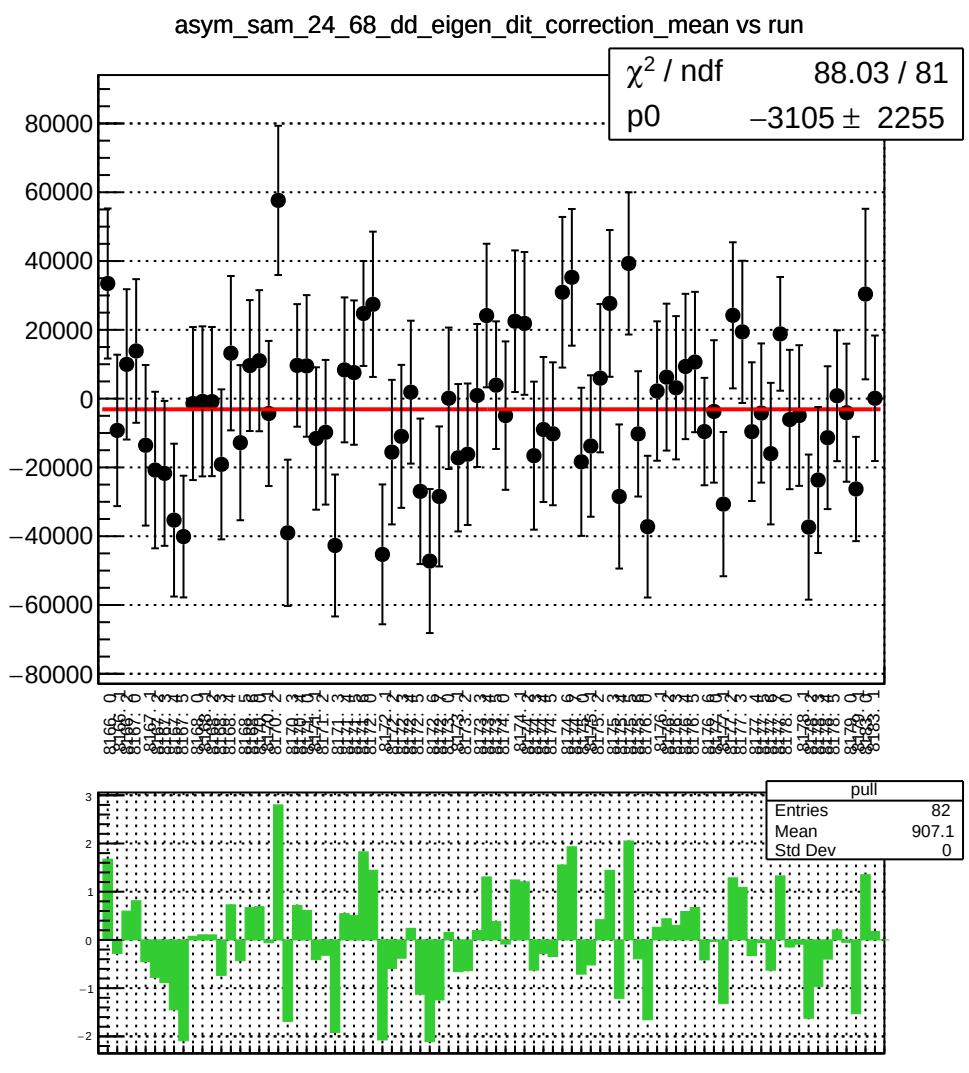

pull1D
Entries 82
Mean 0.0005806
Std Dev 1.036

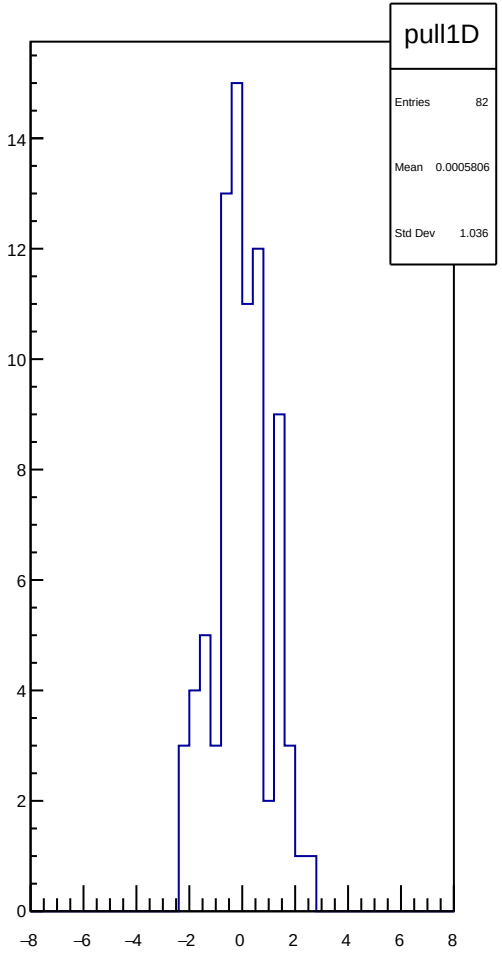

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 2259 / 81
p0 2005 ± 1.595
2400
2300
2200
2100
2000
1900

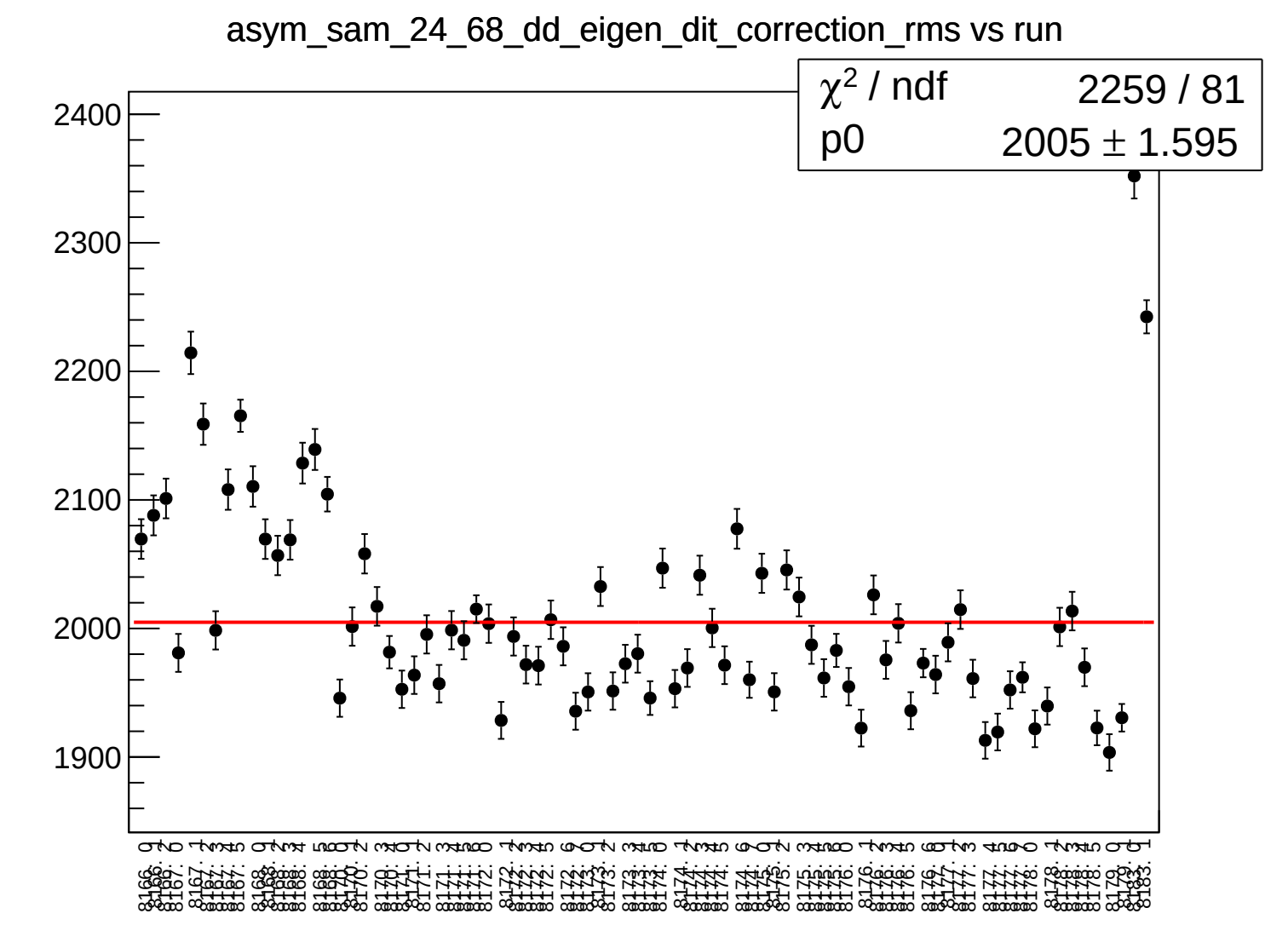

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 78.73 / 81
p0 −20.62 ± 112
pull
Entries 82
Mean −762.9
Std Dev 0

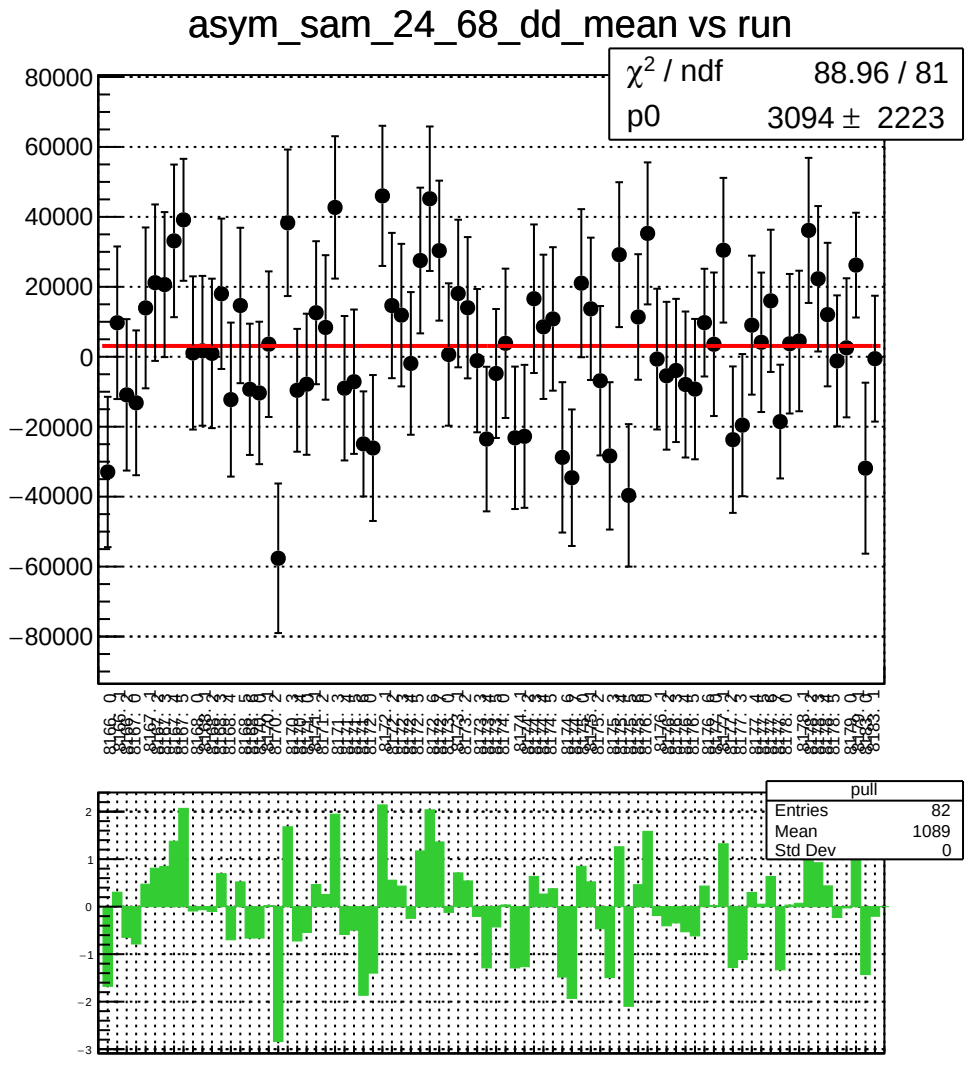

pull1D
Entries 82
Mean 0.003116
Std Dev 0.9798

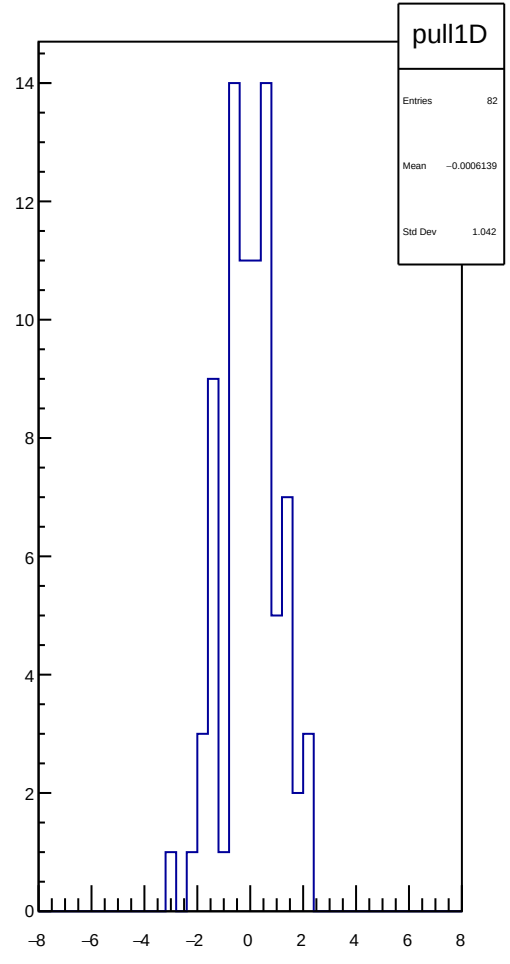

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2732 / 81
p0 99.52 ± 0.07917
115
110
105
100
95
90

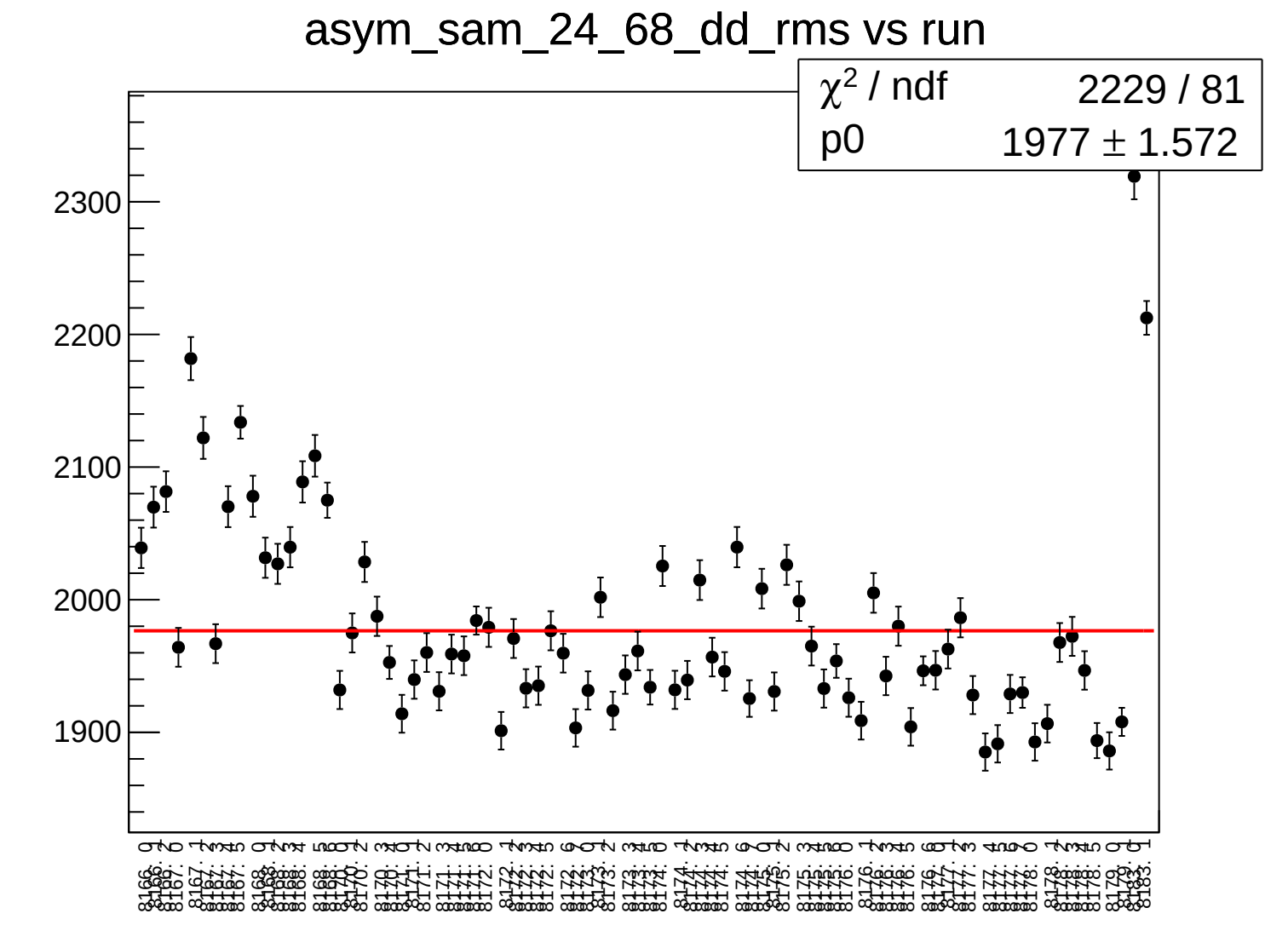

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 88.03 / 81
p0 −3105 ± 2255
pull
Entries 82
Mean 907.1
Std Dev 0

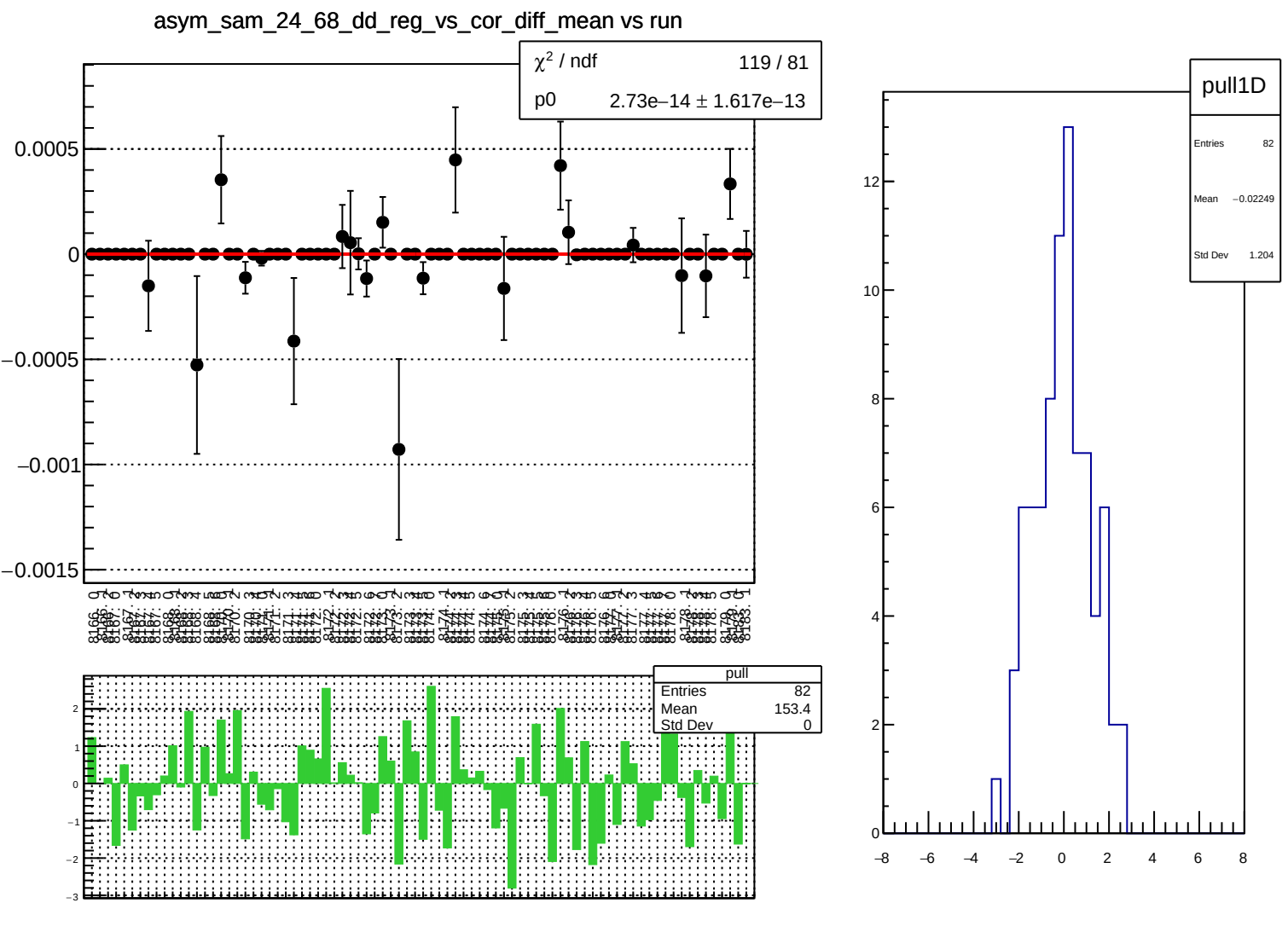

pull1D
Entries 82
Mean 0.0005806
Std Dev 1.036

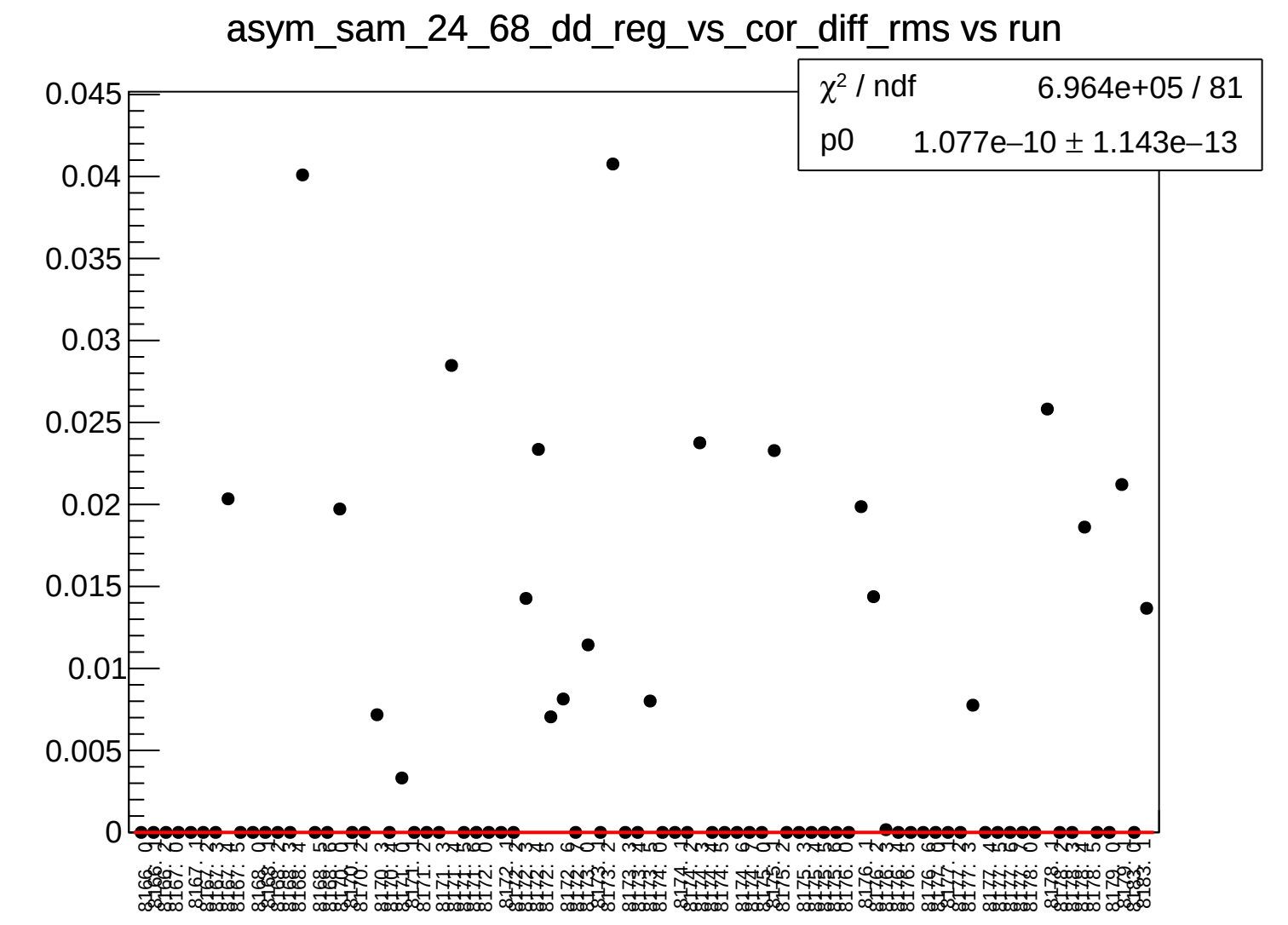

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 2259 / 81
p0 2005 ± 1.595
2400
2300
2200
2100
2000
1900

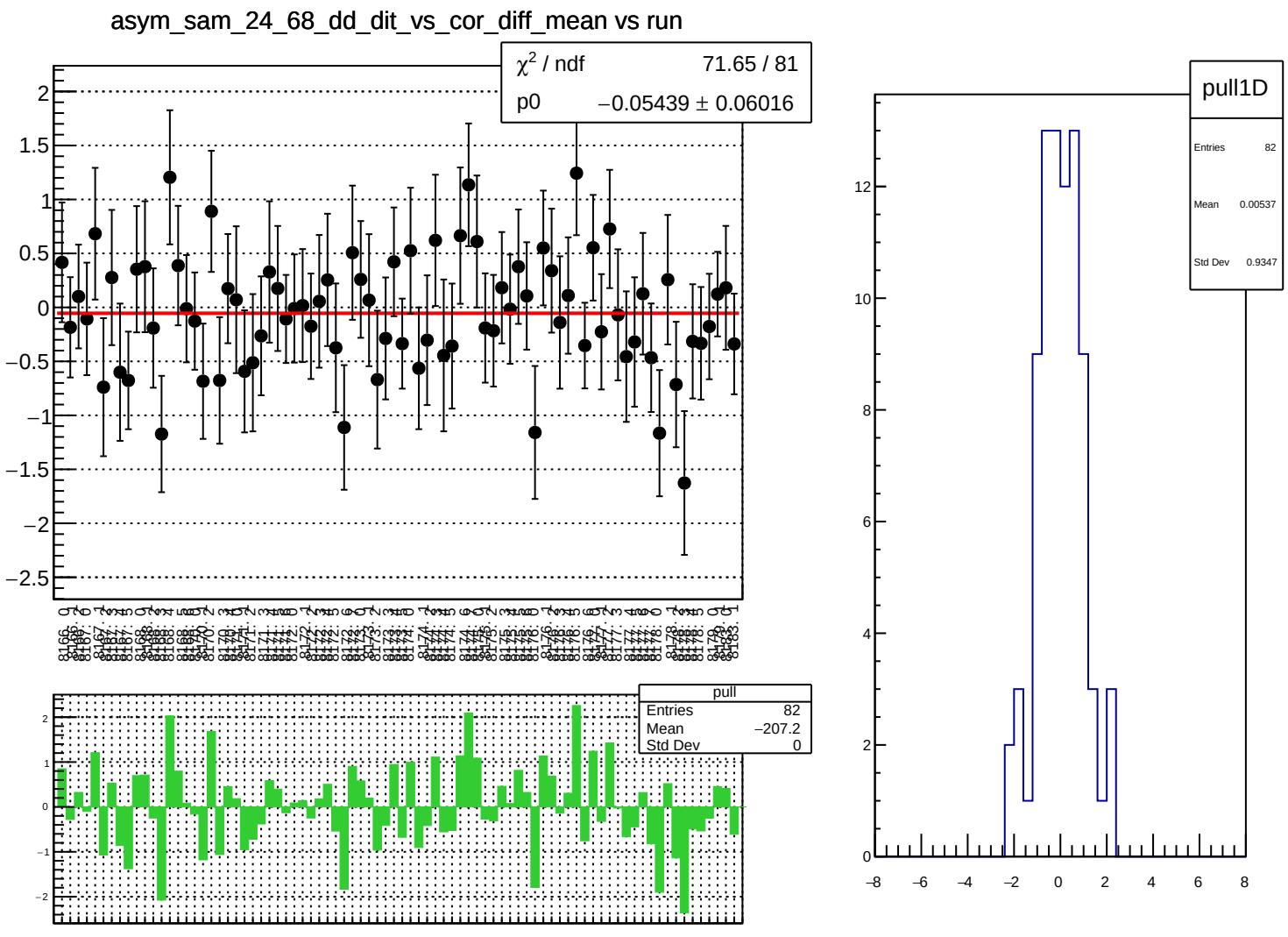

asym_sam_24_68_dd_mean vs run
χ² / ndf 88.96 / 81
p0 3094 ± 2223
pull
Entries 82
Mean 1089
Std Dev 0

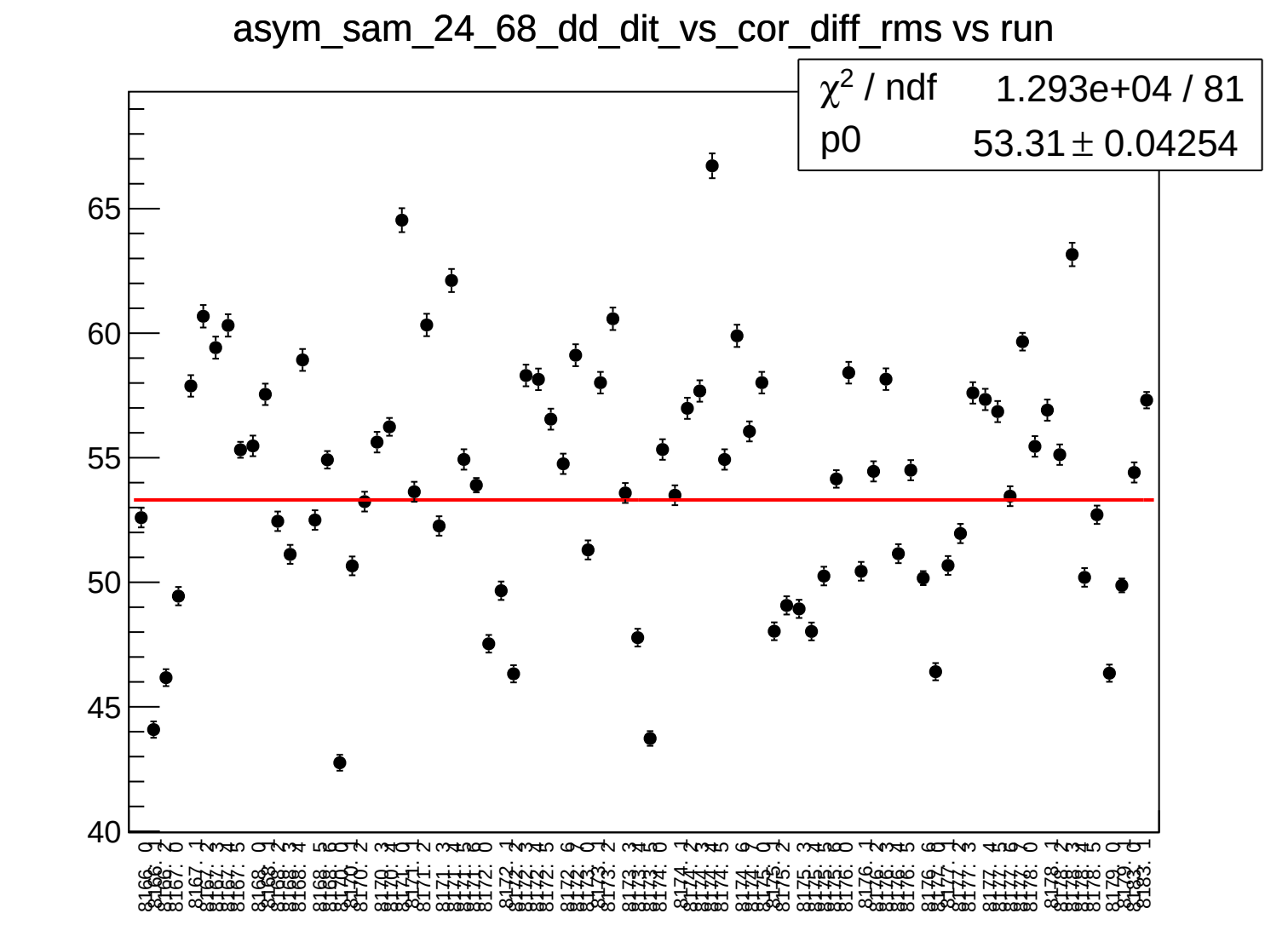

pull1D
Entries 82
Mean −0.0006139
Std Dev 1.042

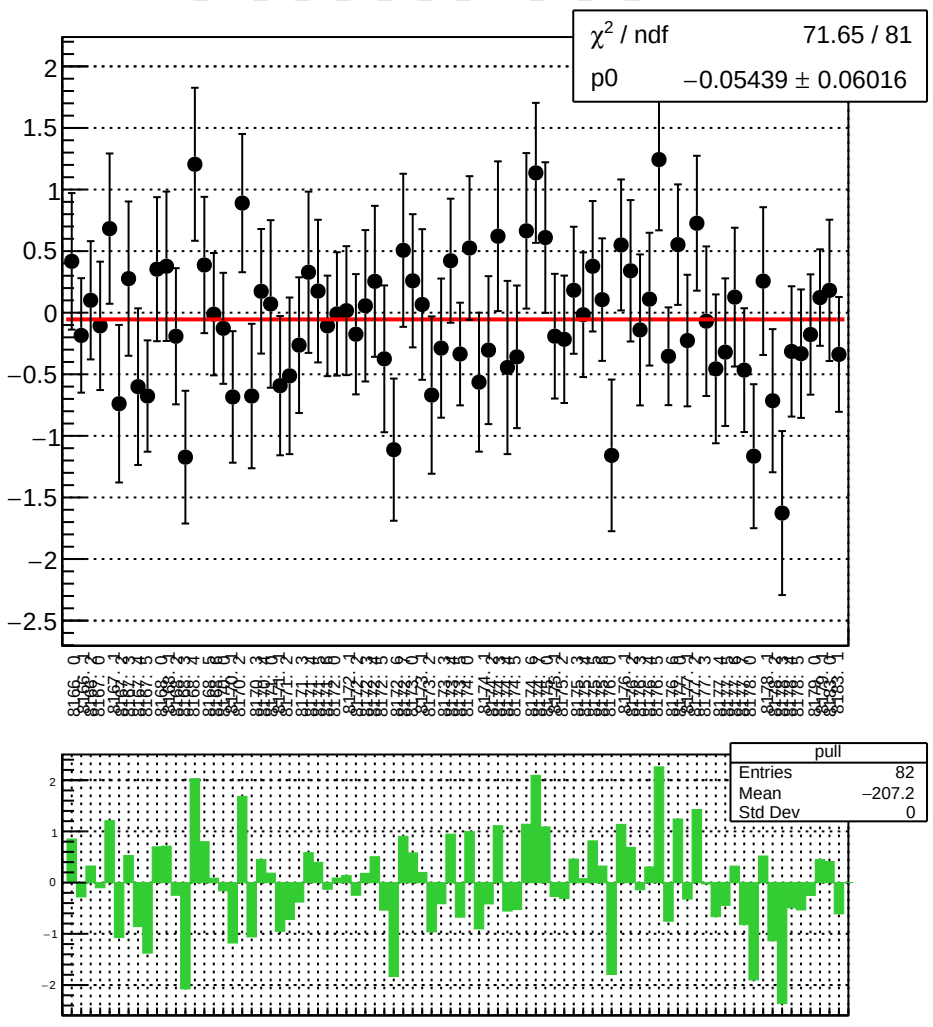

asym_sam_24_68_dd_rms vs run
χ² / ndf 2229 / 81
p0 1977 ± 1.572
2300
2200
2100
2000
1900

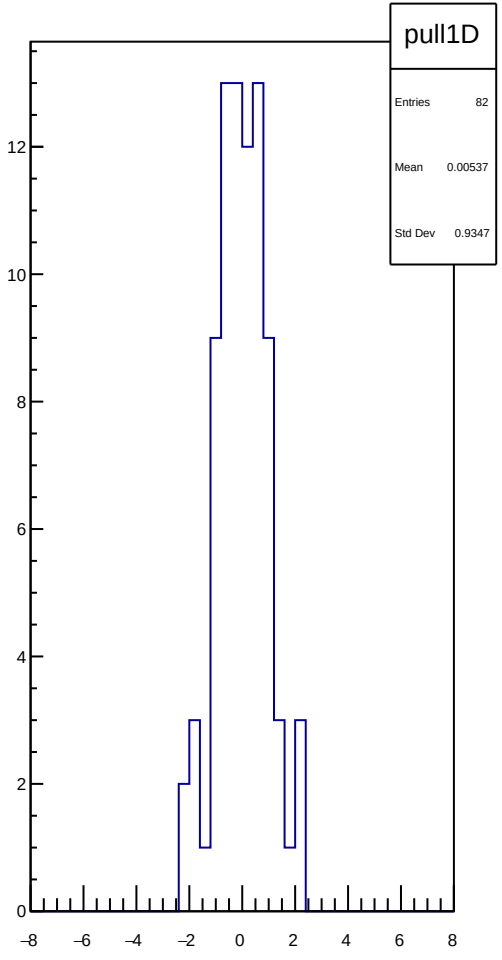

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 119 / 81
p0 2.73e−14 ± 1.617e−13
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean 153.4
Std Dev 0
pull1D
Entries 82
Mean −0.02249
Std Dev 1.204

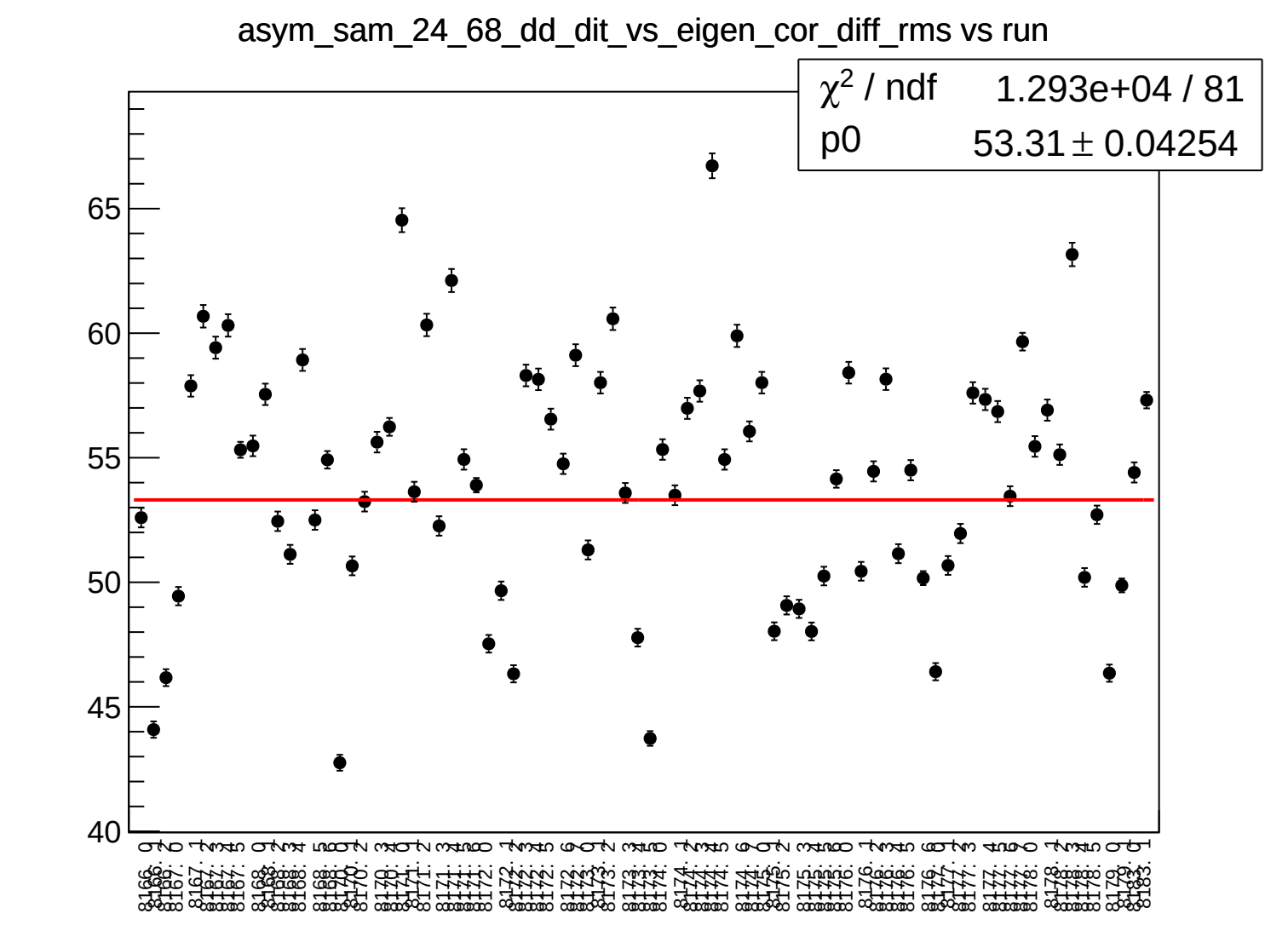

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.964e+05 / 81
p0 1.077e−10 ± 1.143e−13
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

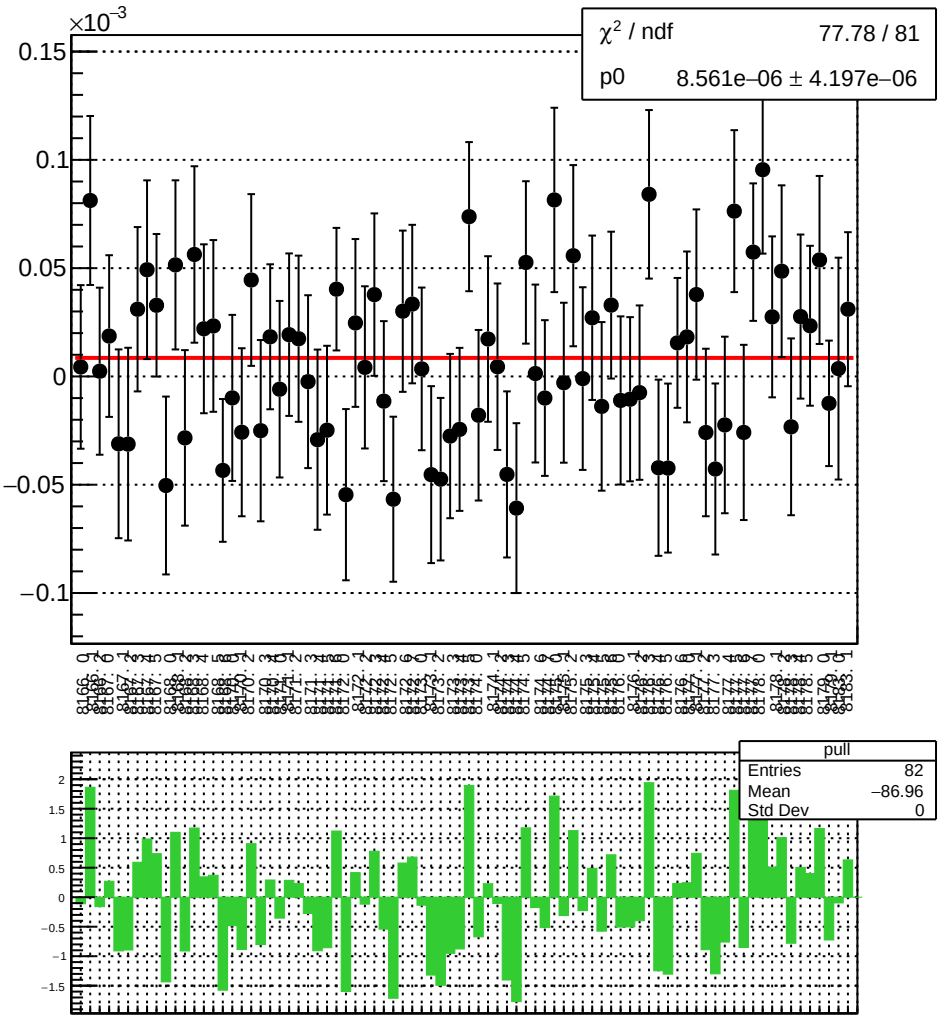

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.65 / 81
p0 −0.05439 ± 0.06016
pull
Entries 82
Mean −207.2
Std Dev 0
pull1D
Entries 82
Mean 0.00537
Std Dev 0.9347

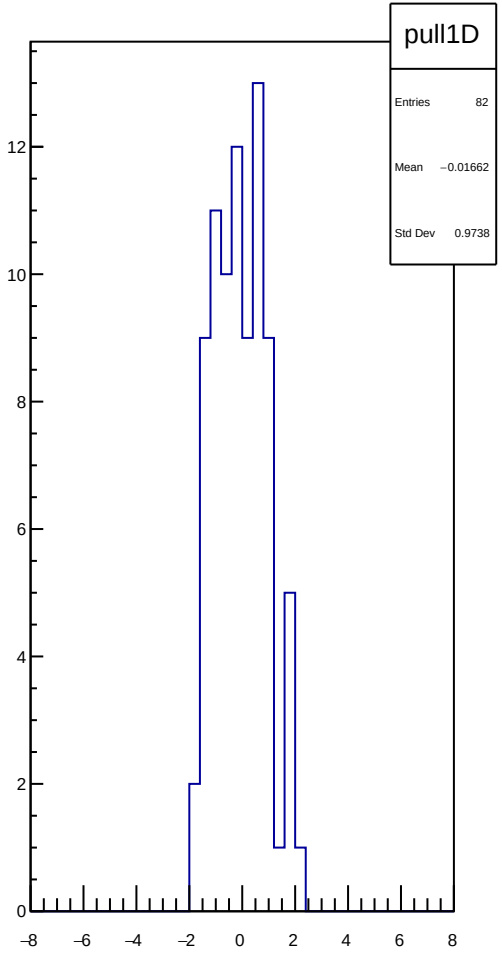

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.293e+04 / 81
p0 53.31 ± 0.04254
65
60
55
50
45
40

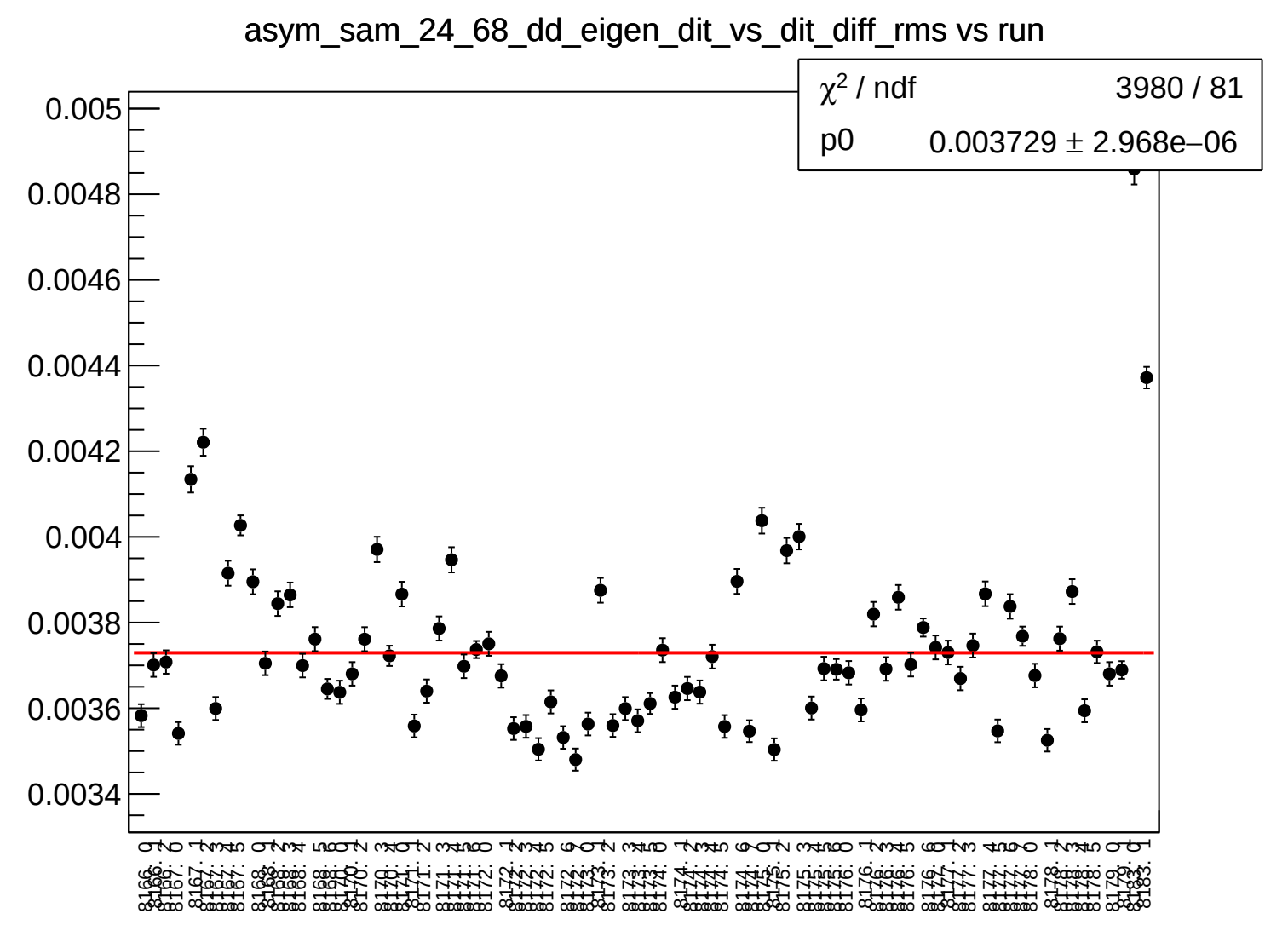

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.65 / 81
p0 −0.05439 ± 0.06016
pull
Entries 82
Mean −207.2
Std Dev 0

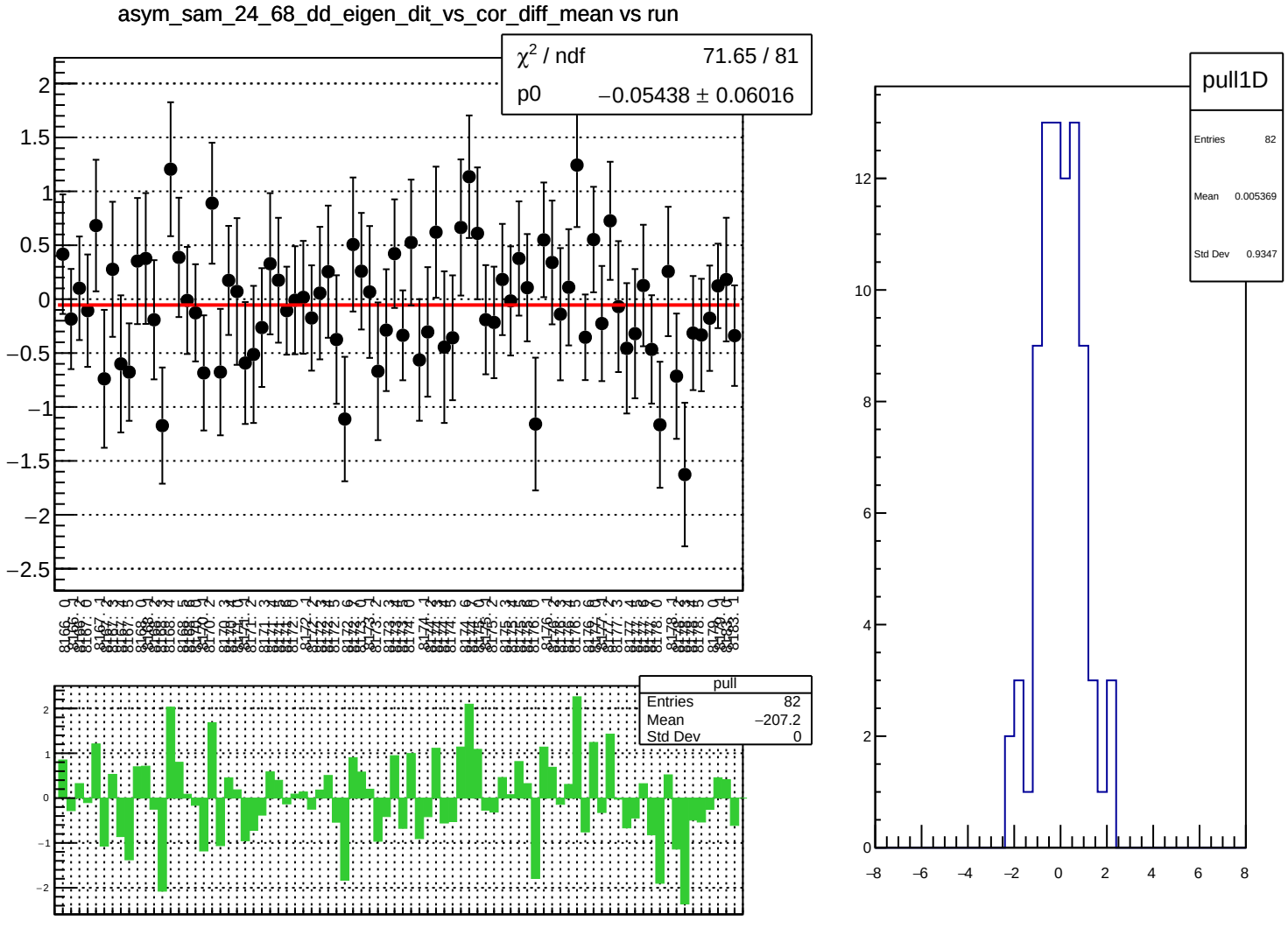

pull1D
Entries 82
Mean 0.00537
Std Dev 0.9347

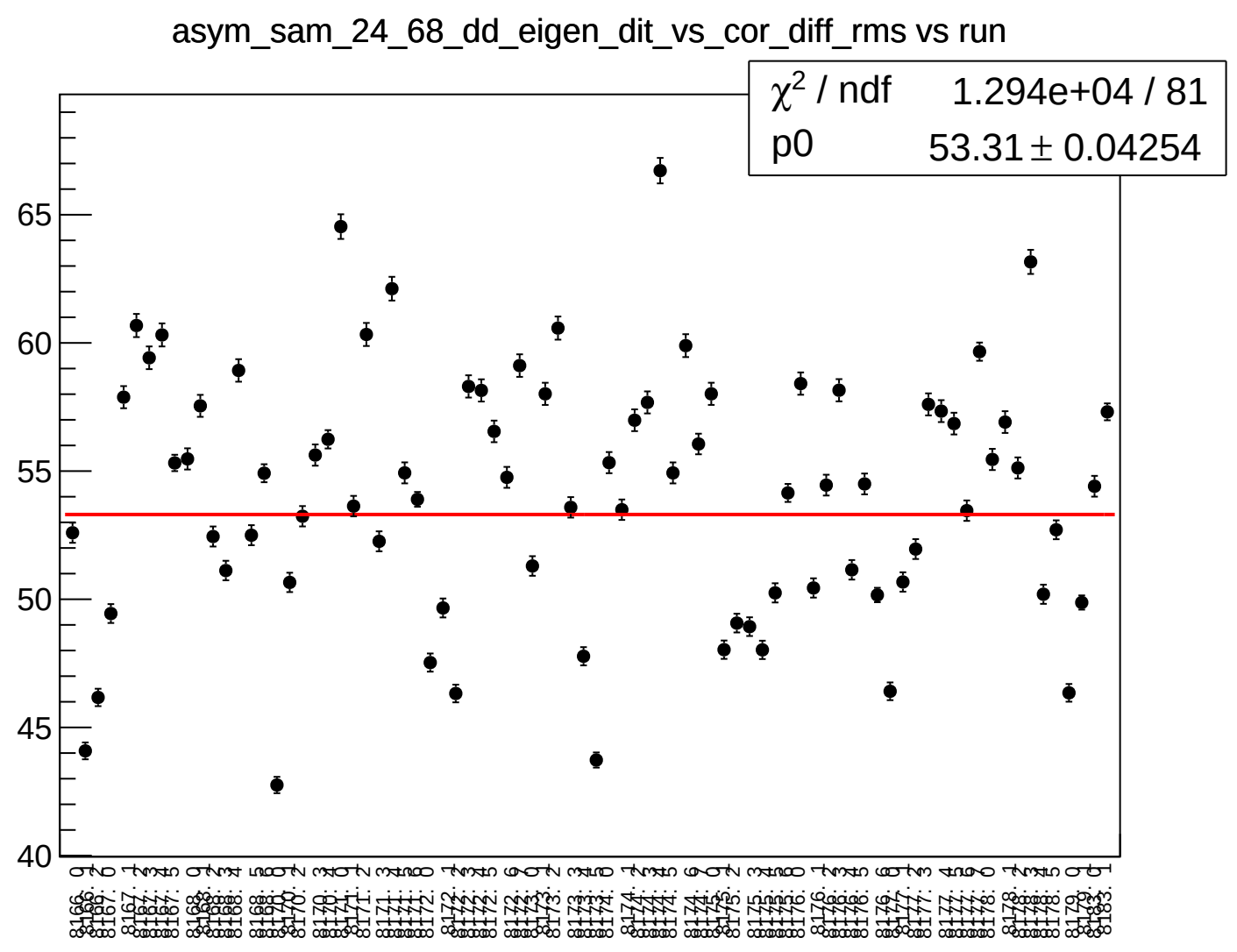

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.293e+04 / 81
p0 53.31 ± 0.04254
65
60
55
50
45
40

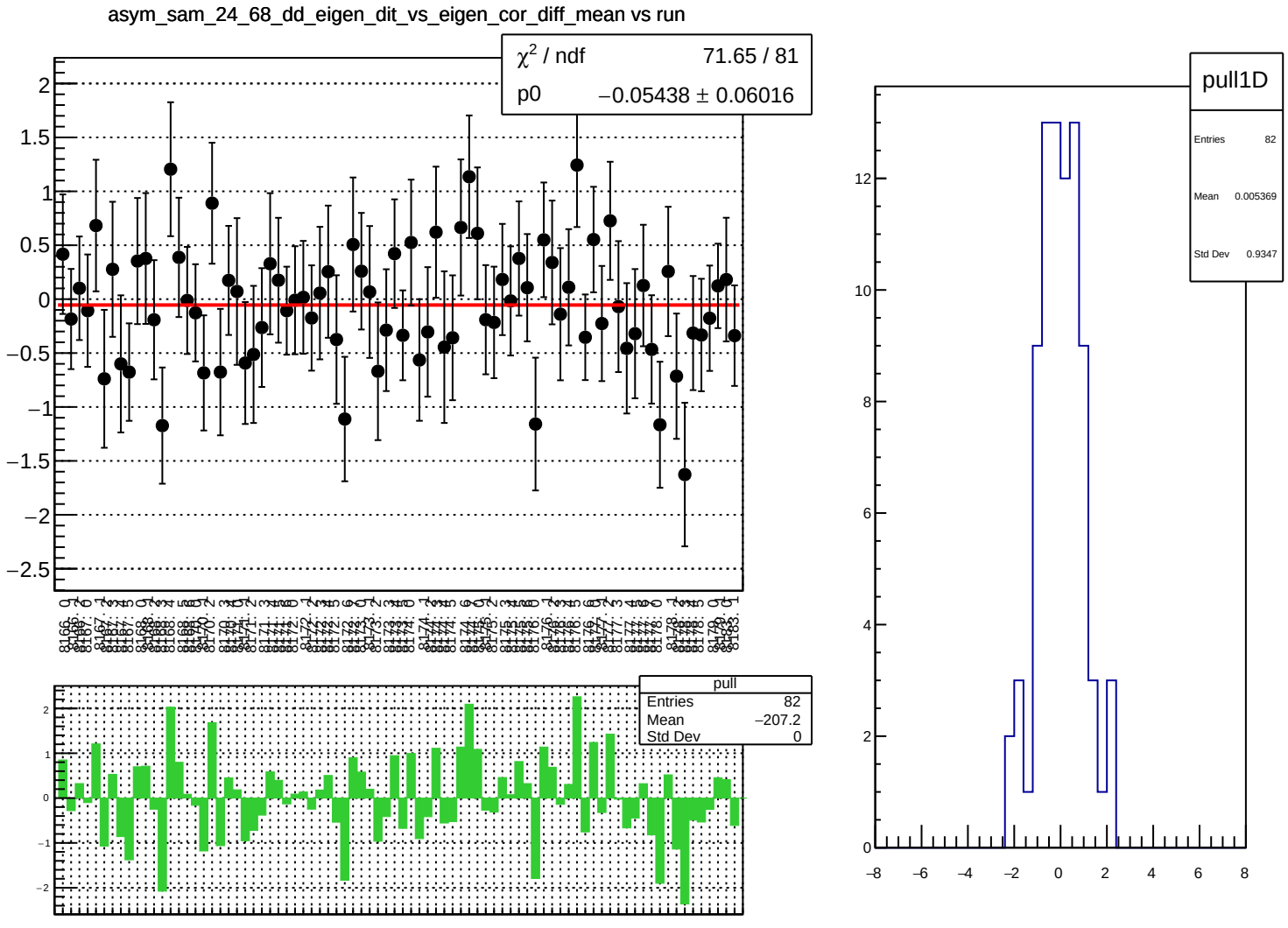

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.78 / 81
p0 8.561e−06 ± 4.197e−06
pull
Entries 82
Mean −86.96
Std Dev 0

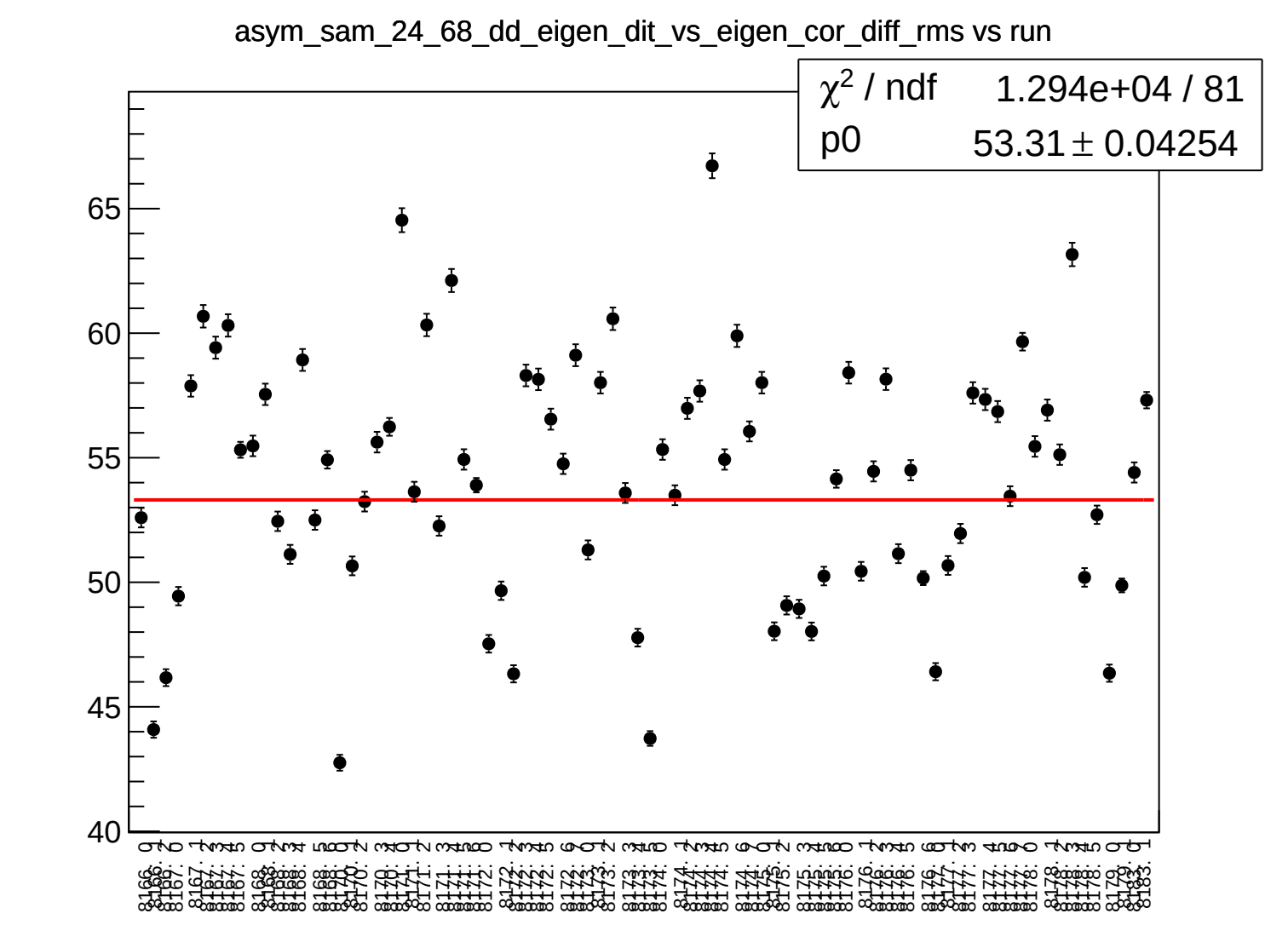

pull1D
Entries 82
Mean −0.01662
Std Dev 0.9738

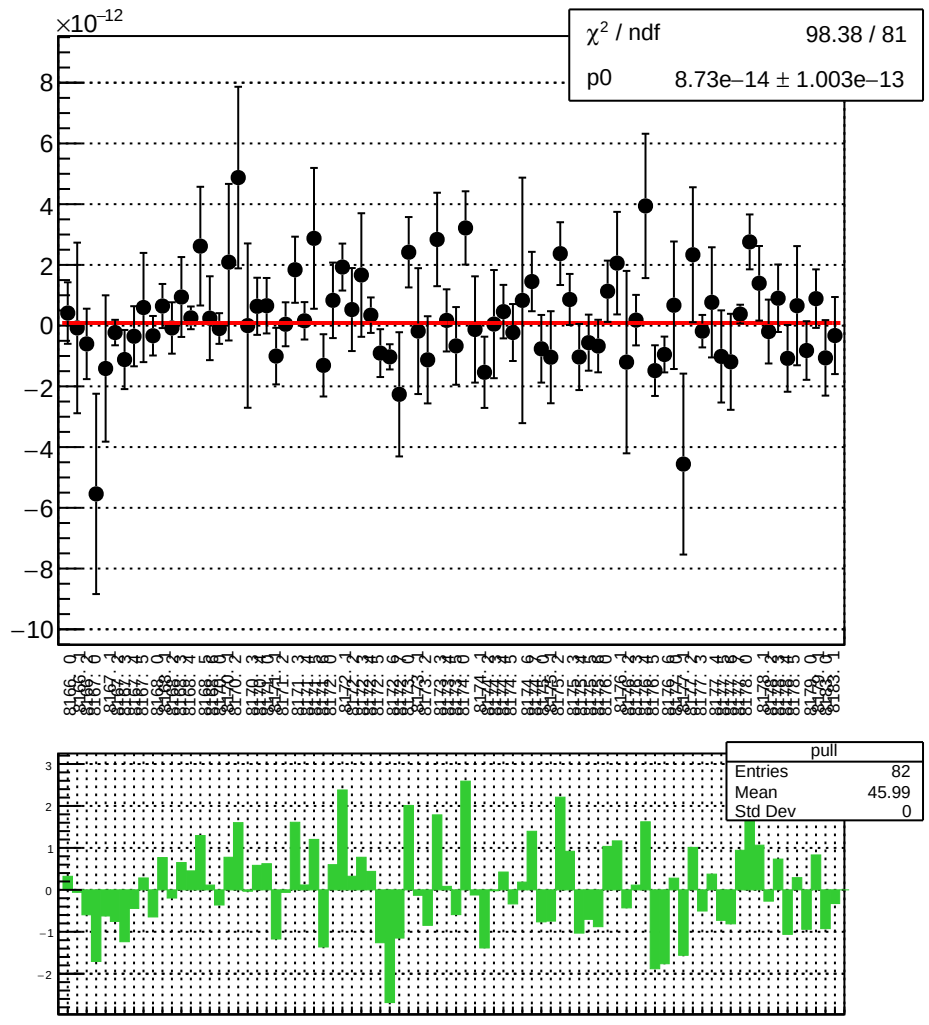

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3980 / 81
p0 0.003729 ± 2.968e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034

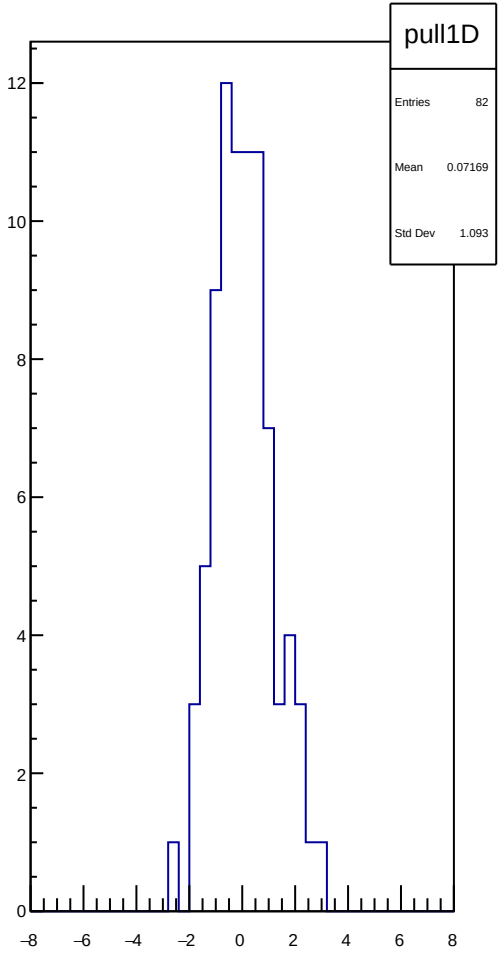

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.65 / 81
p0 −0.05438 ± 0.06016
pull
Entries 82
Mean −207.2
Std Dev 0
pull1D
Entries 82
Mean 0.005369
Std Dev 0.9347

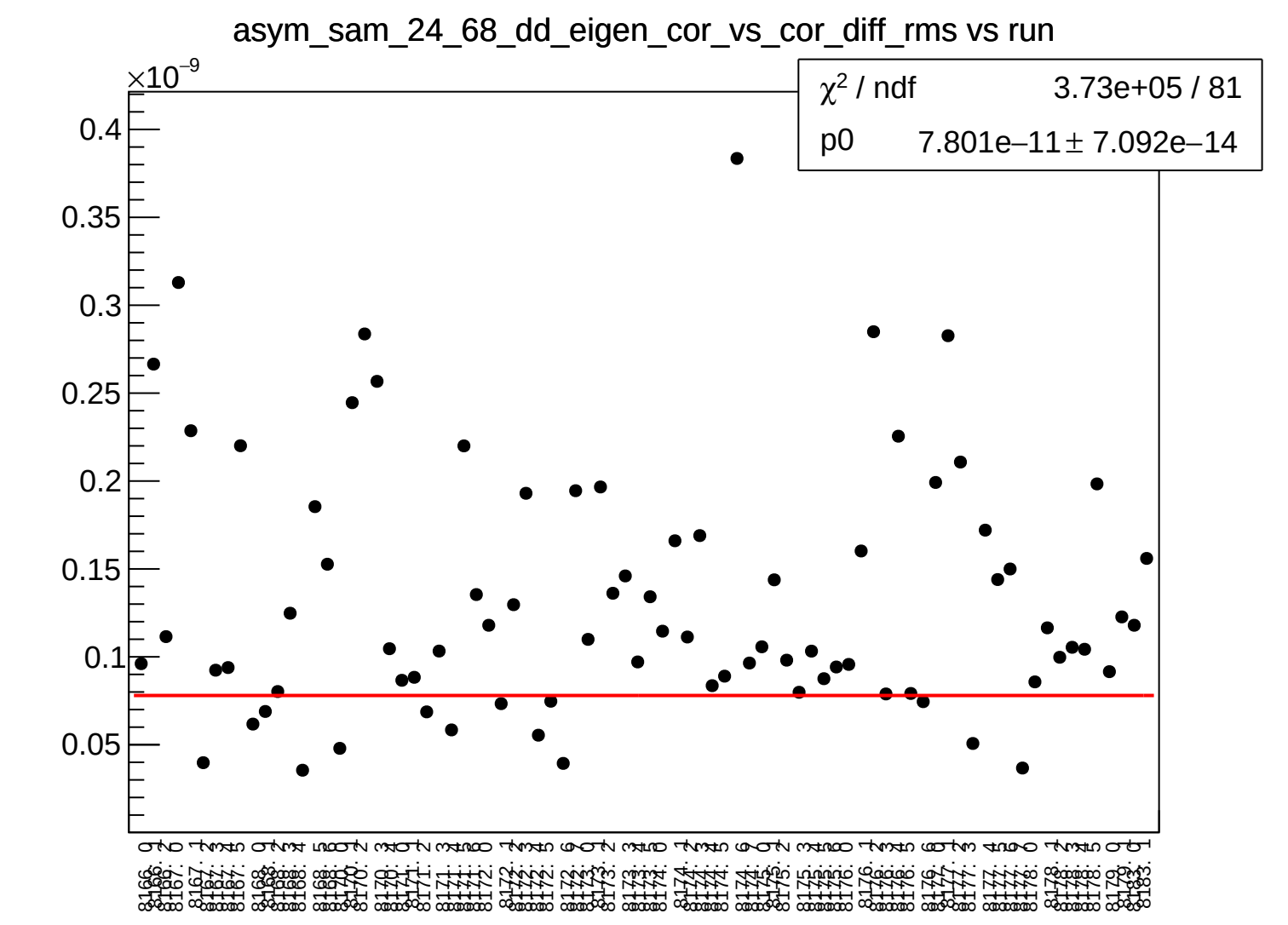

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.294e+04 / 81
p0 53.31 ± 0.04254
65
60
55
50
45
40

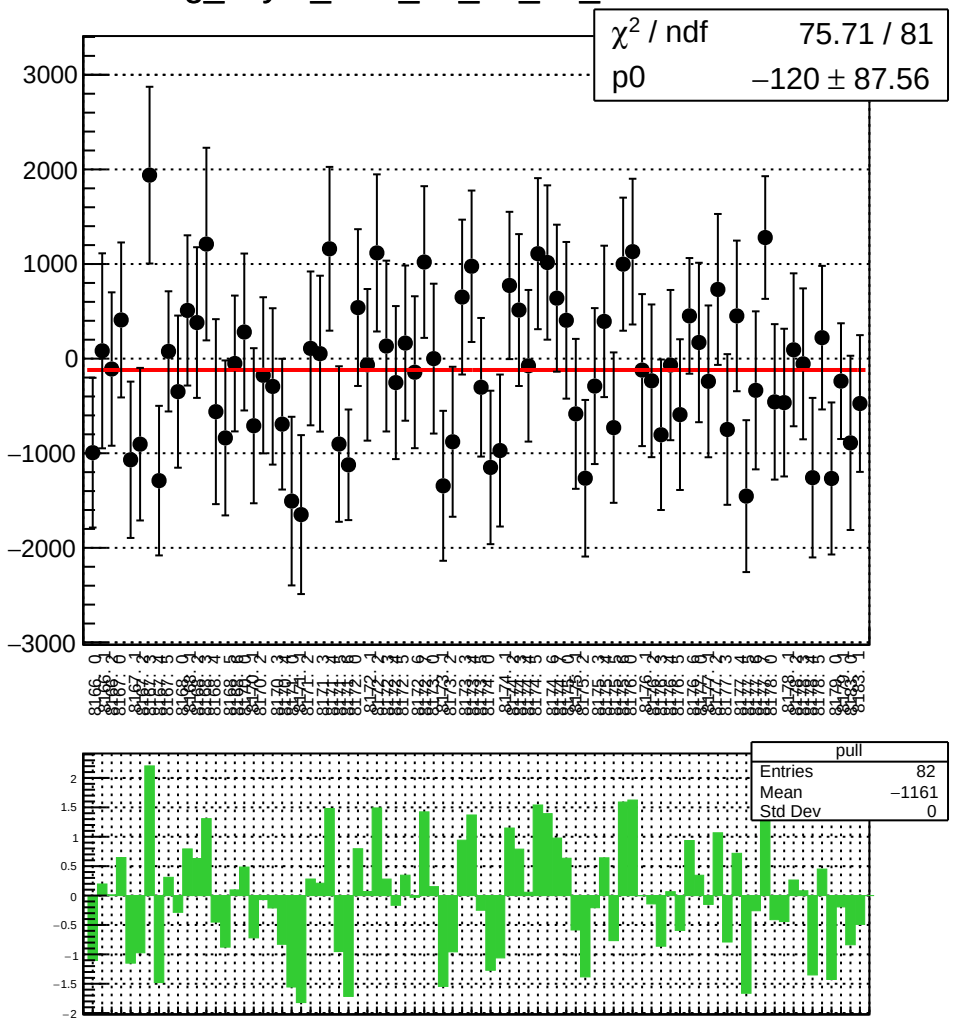

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.65 / 81
p0 −0.05438 ± 0.06016
pull
Entries 82
Mean −207.2
Std Dev 0
pull1D
Entries 82
Mean 0.005369
Std Dev 0.9347

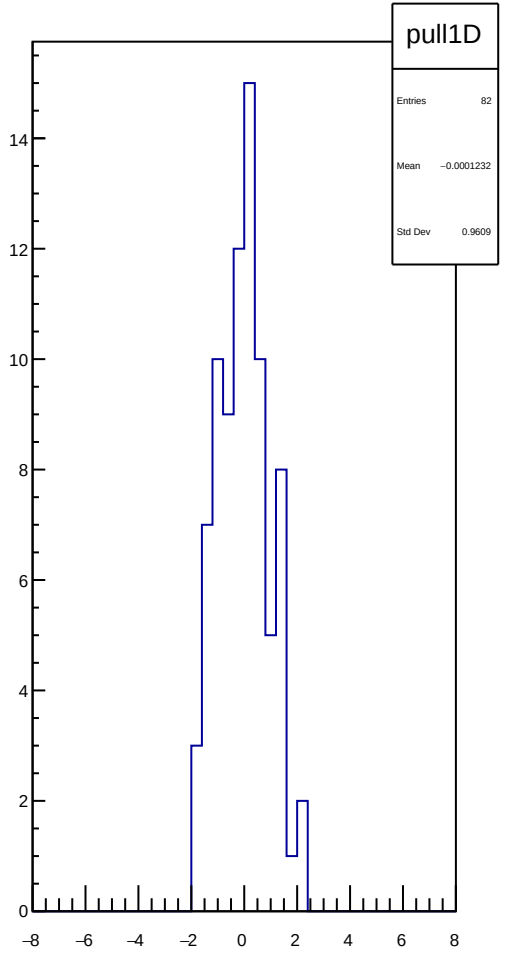

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.294e+04 / 81
p0 53.31 ± 0.04254
65
60
55
50
45
40

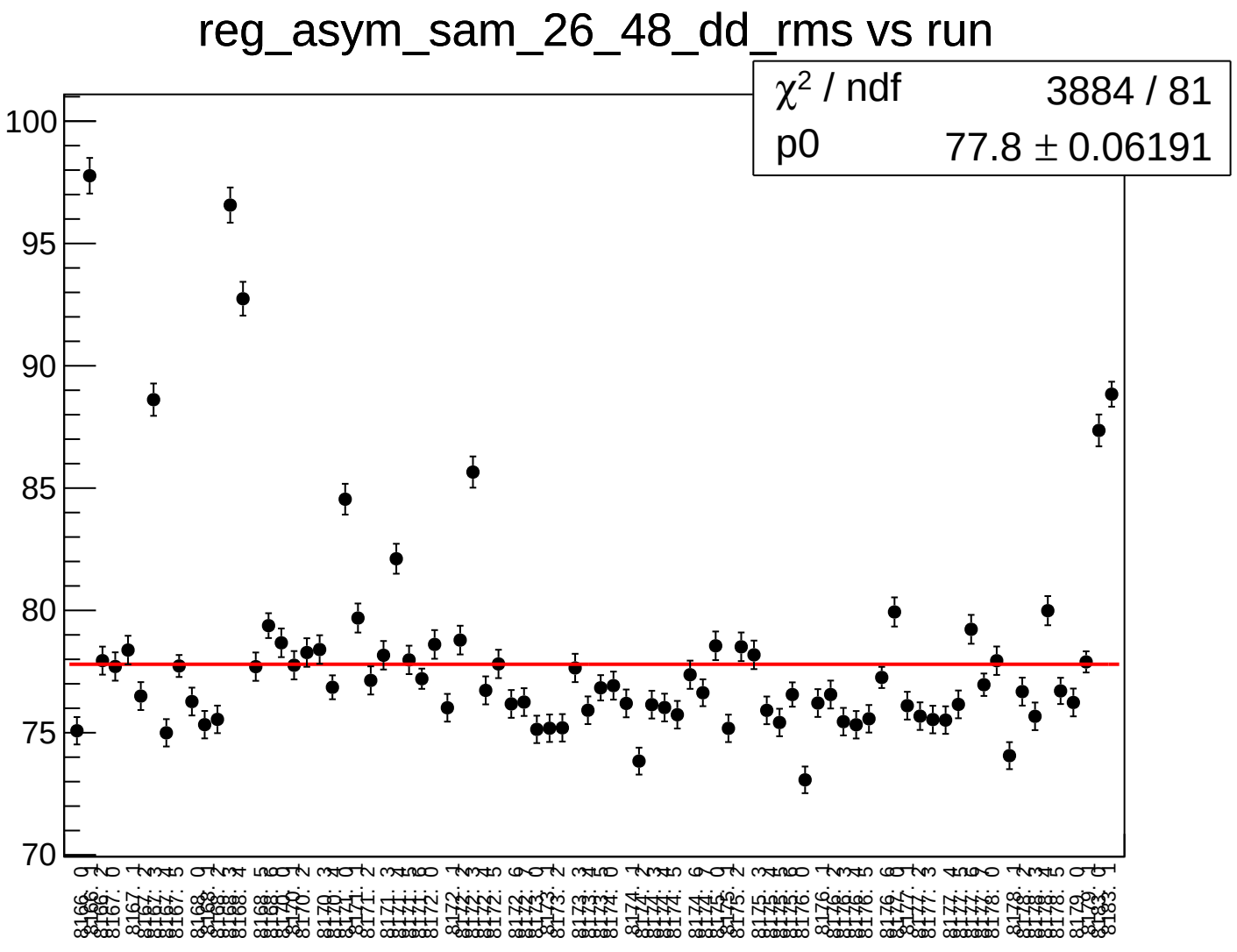

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.38 / 81
p0 8.73e−14 ± 1.003e−13
pull
Entries 82
Mean 45.99
Std Dev 0

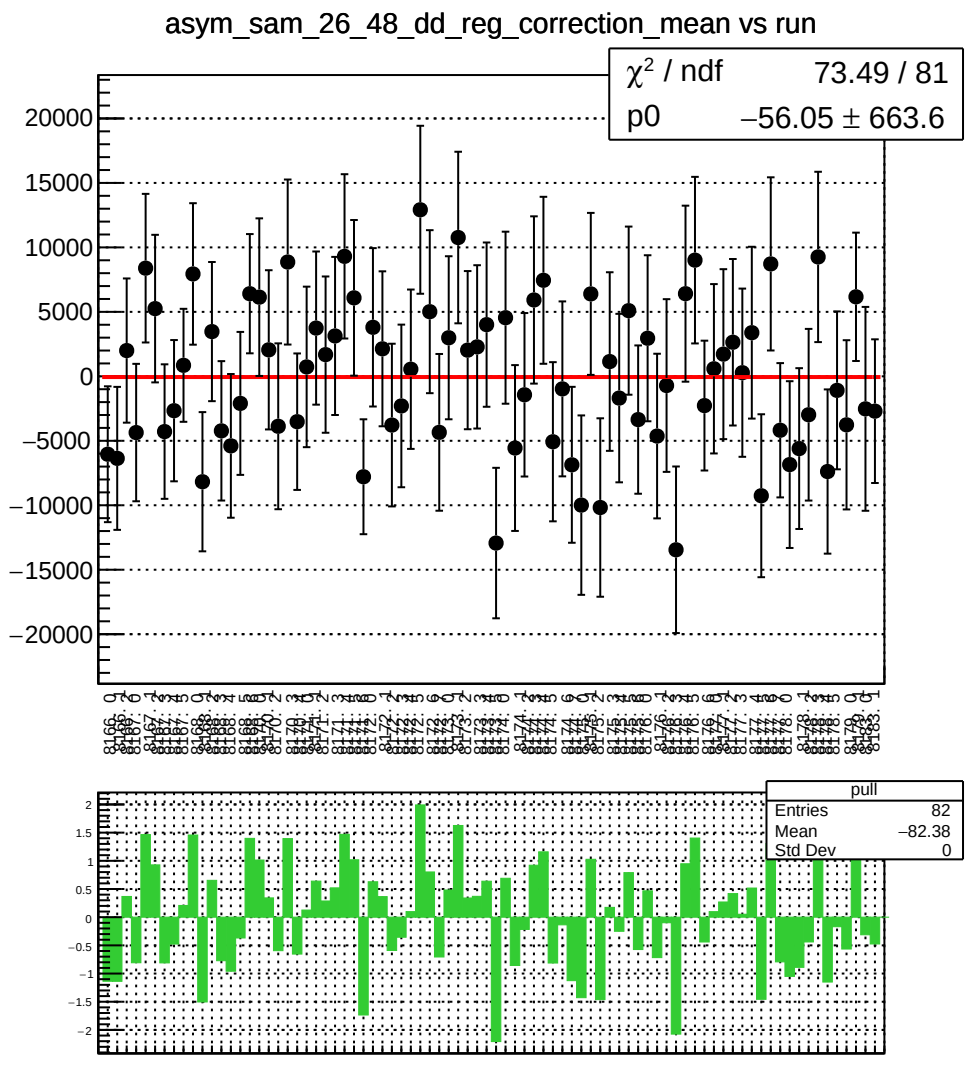

pull1D
Entries 82
Mean 0.07169
Std Dev 1.093

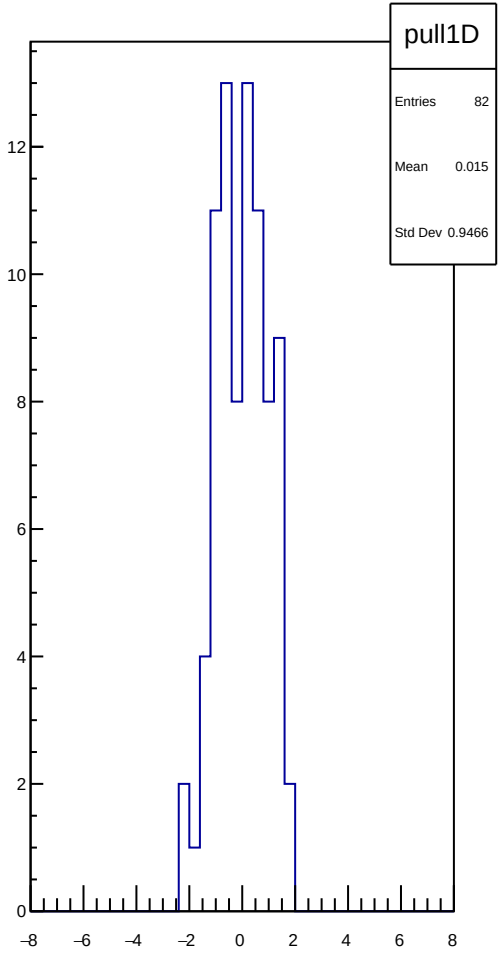

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.73e+05 / 81
p0 7.801e−11 ± 7.092e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

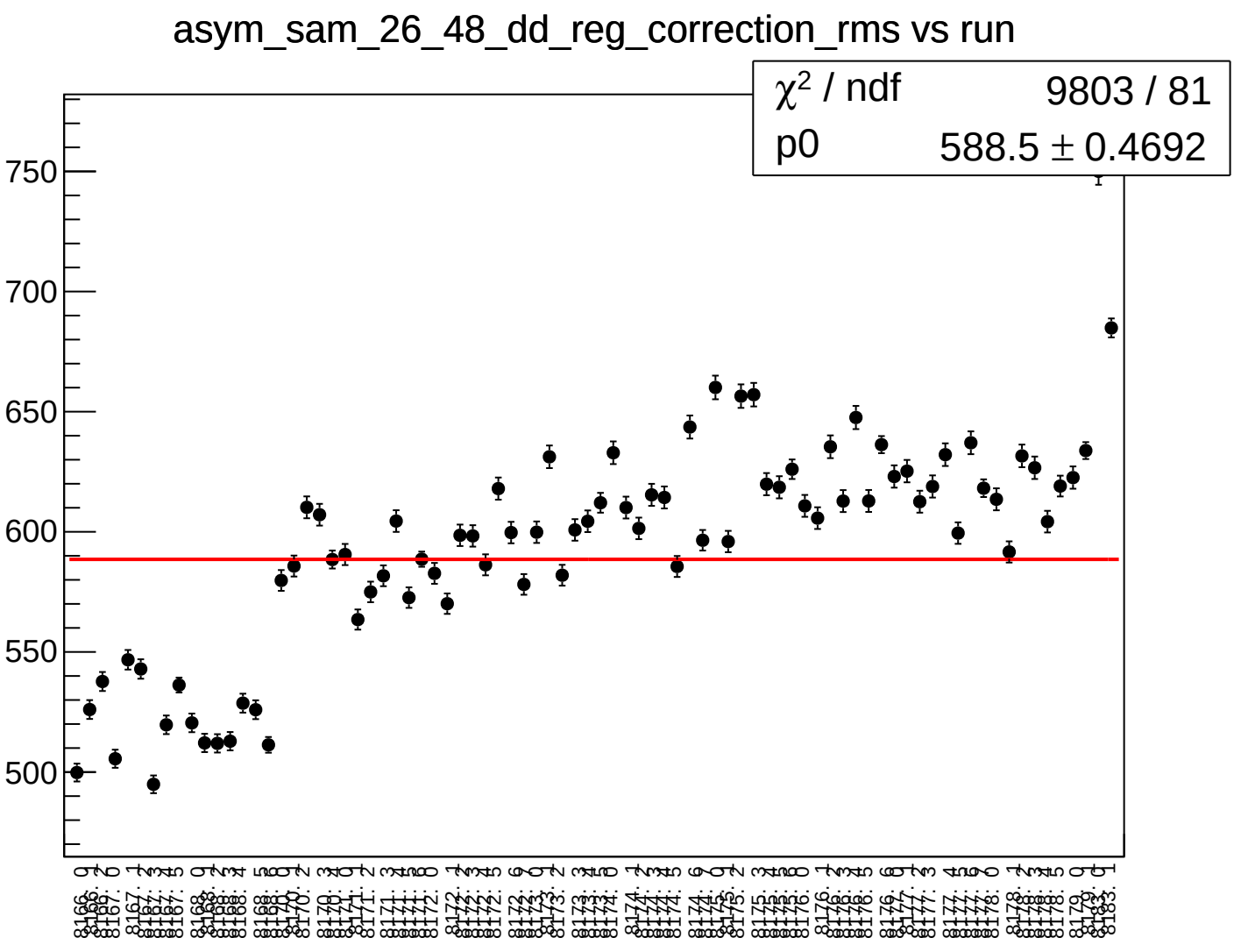

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 75.71 / 81
p0 −120 ± 87.56
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −1161
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

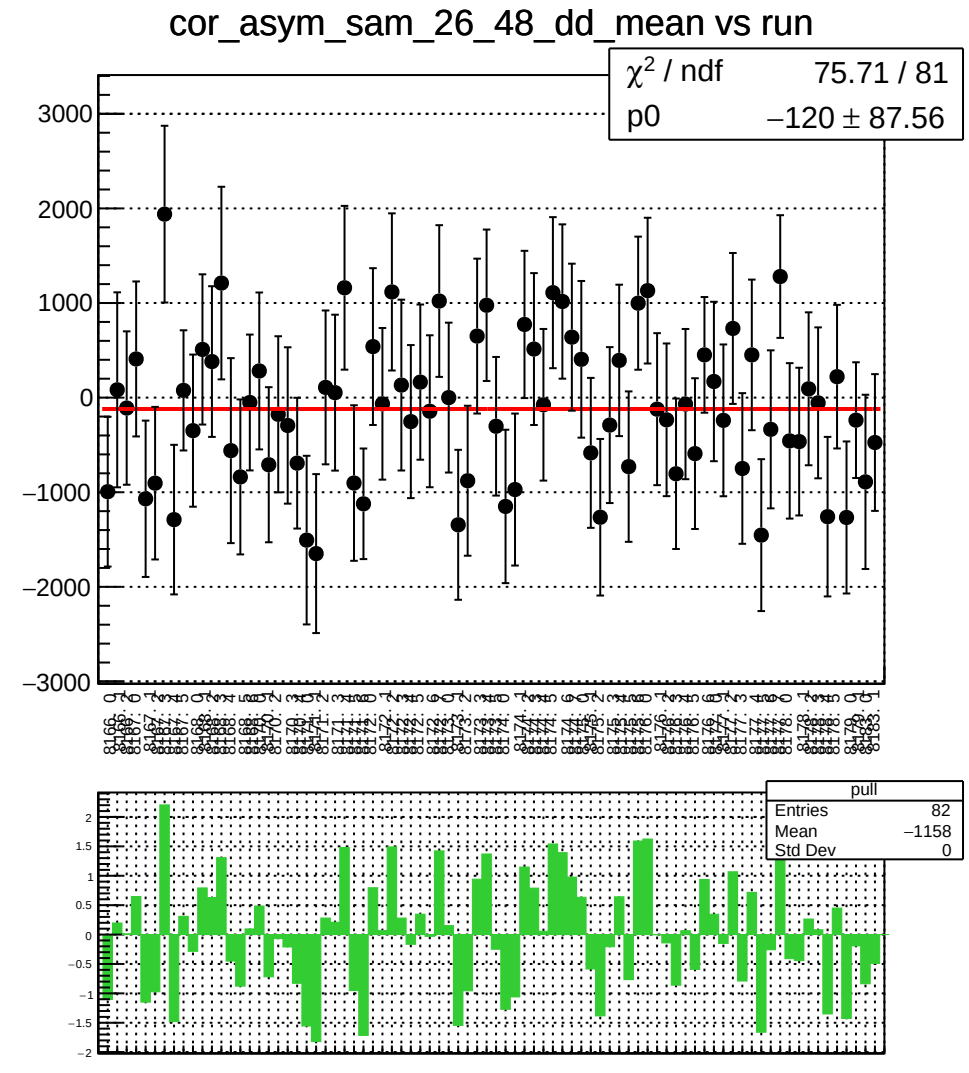

pull1D
Entries 82
Mean −0.0001232
Std Dev 0.9609
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

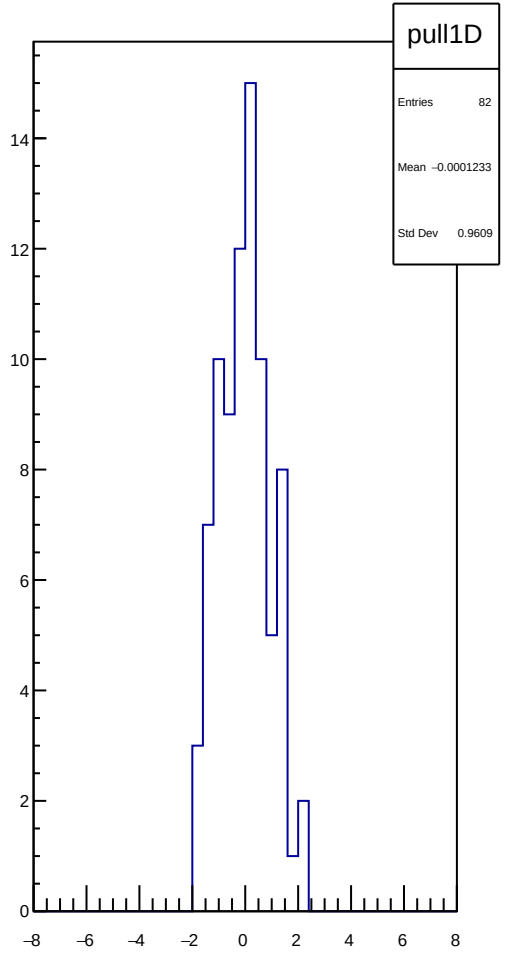

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 3884 / 81
p0 77.8 ± 0.06191
100
95
90
85
80
75
70

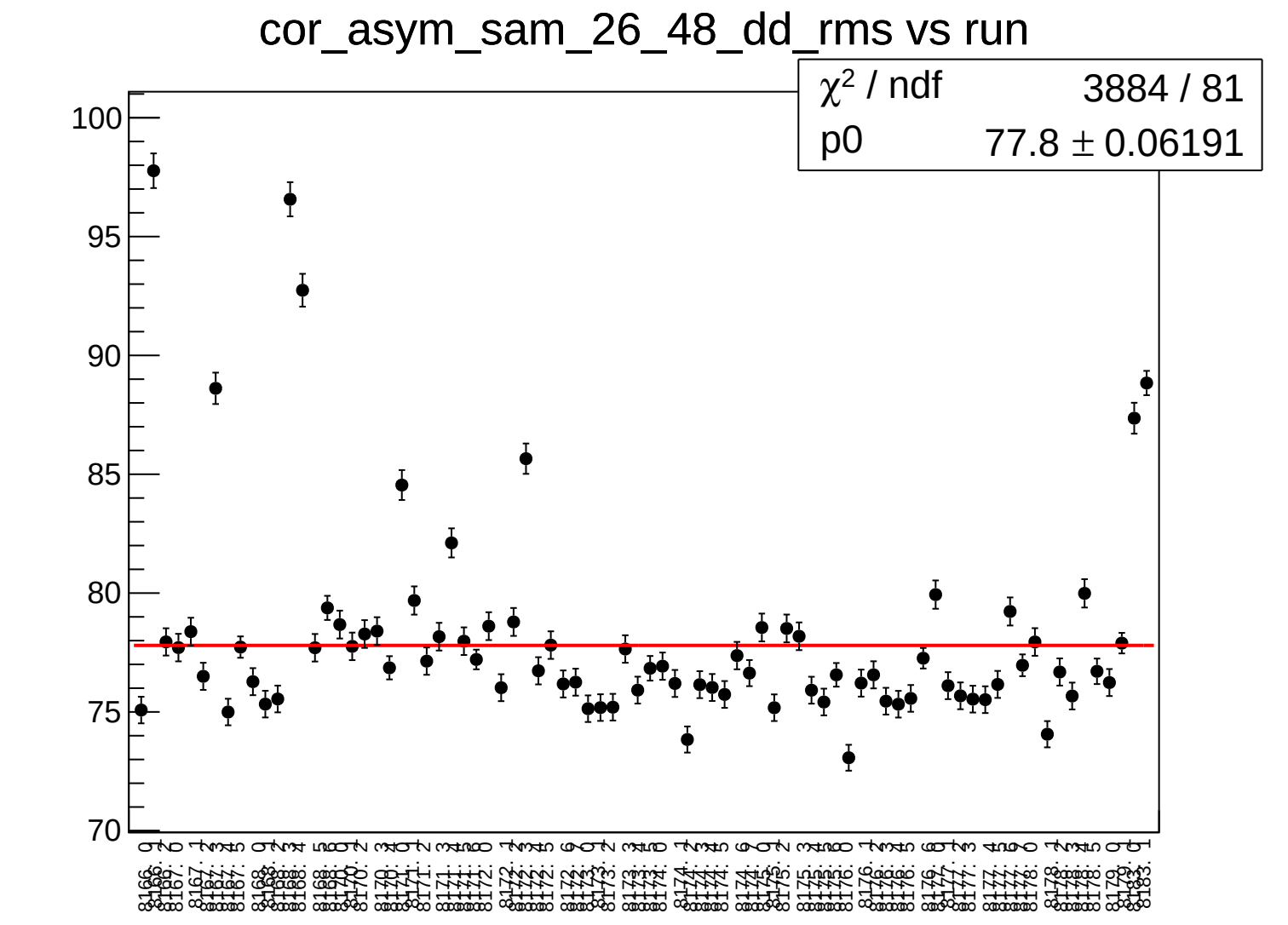

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 73.49 / 81
p0 −56.05 ± 663.6
pull
Entries 82
Mean −82.38
Std Dev 0

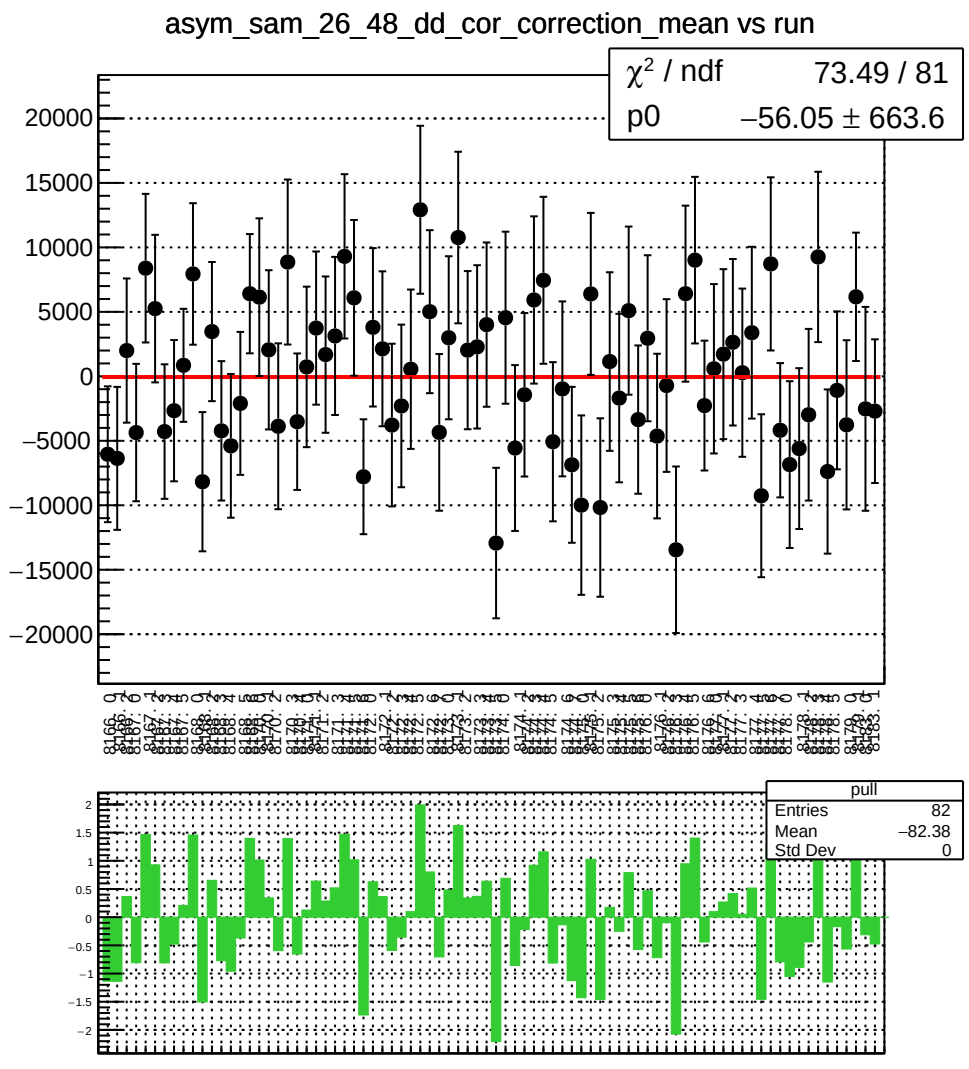

pull1D
Entries 82
Mean 0.015
Std Dev 0.9466

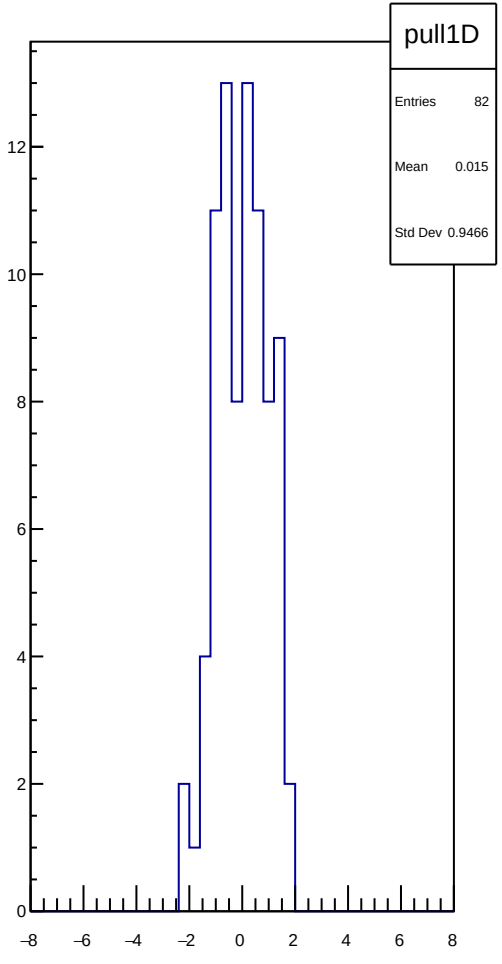

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 9803 / 81
p0 588.5 ± 0.4692
750
700
650
600
550
500

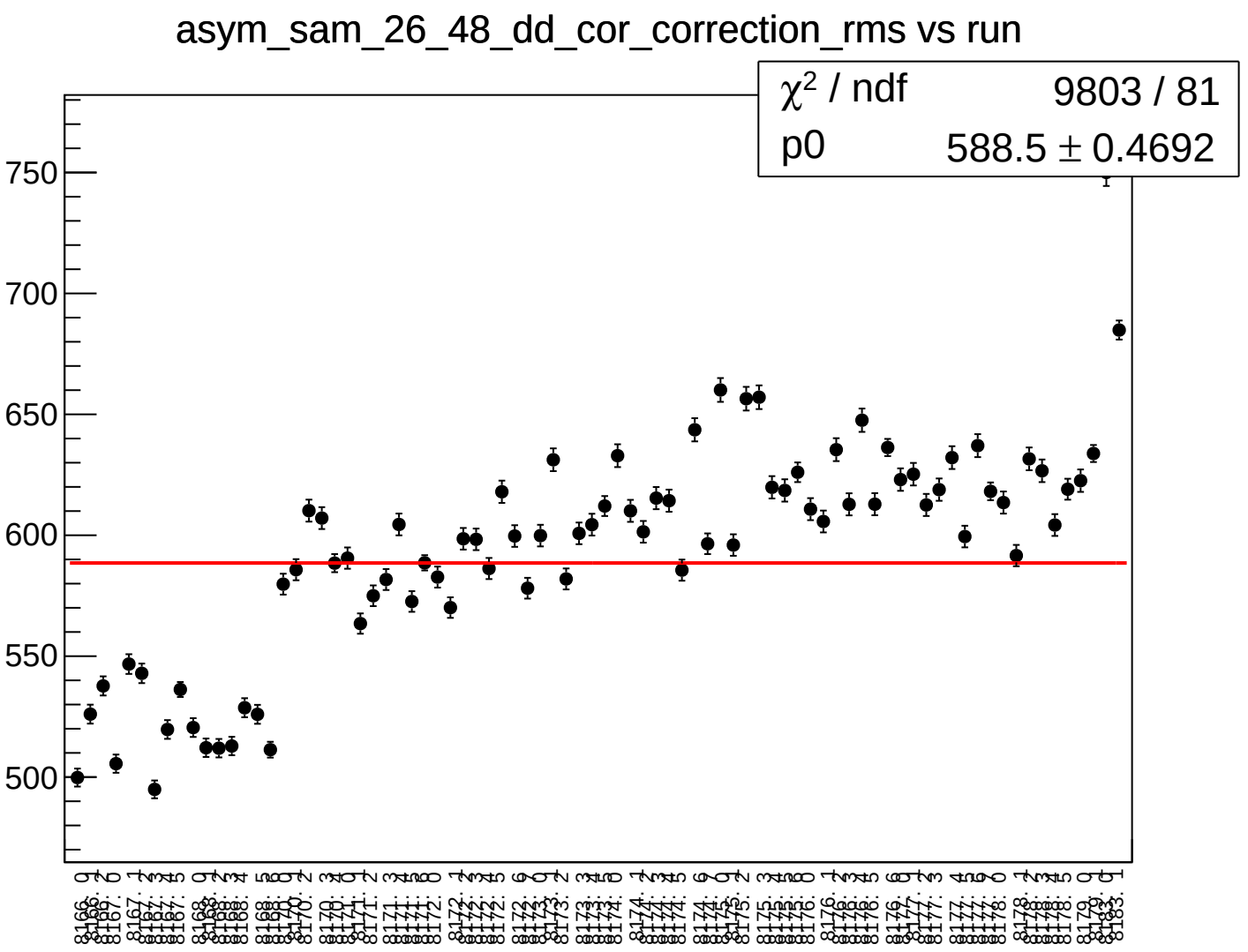

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 75.71 / 81
p0 −120 ± 87.56
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −1158
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

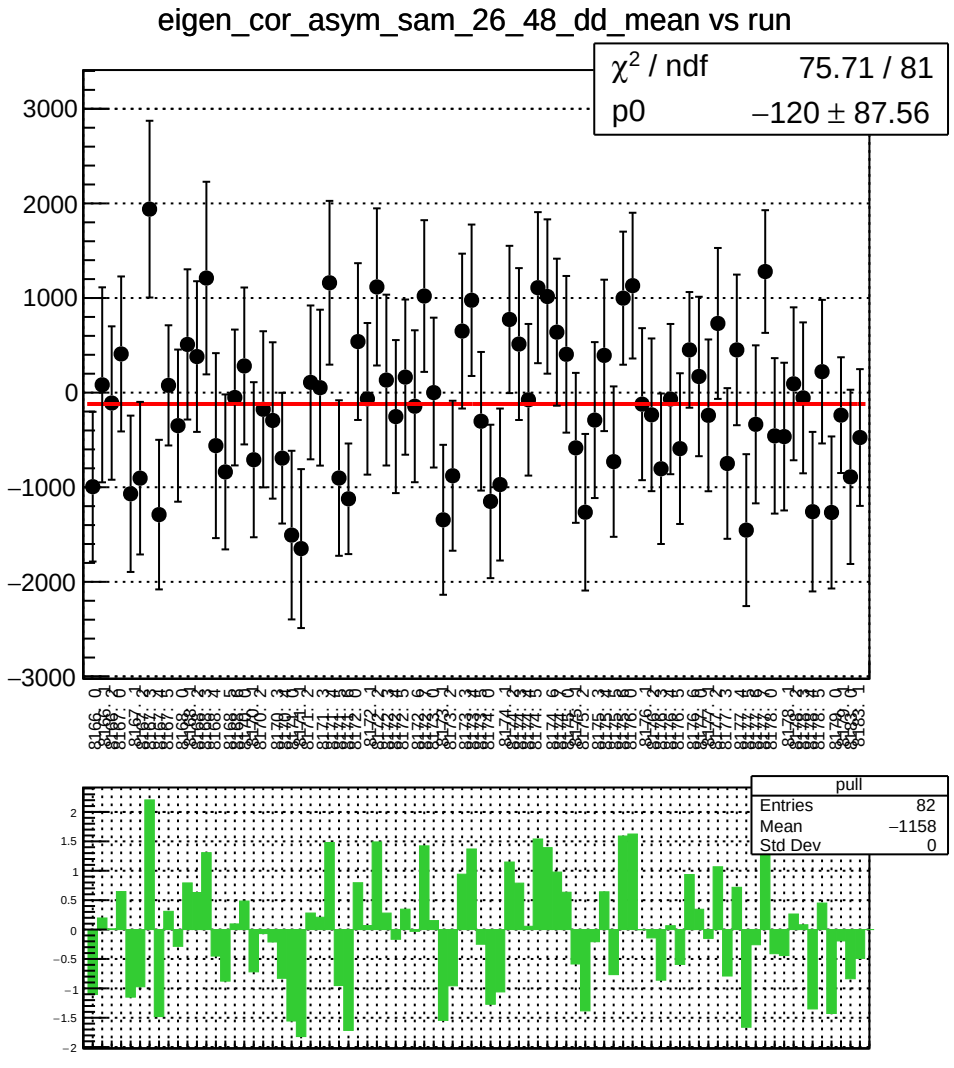

pull1D
Entries 82
Mean −0.0001233
Std Dev 0.9609
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

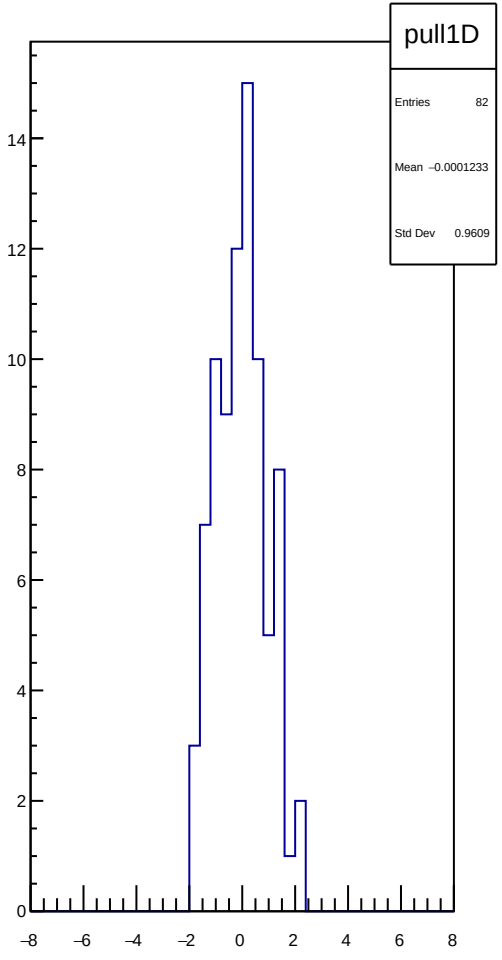

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 3884 / 81
p0 77.8 ± 0.06191
100
95
90
85
80
75
70

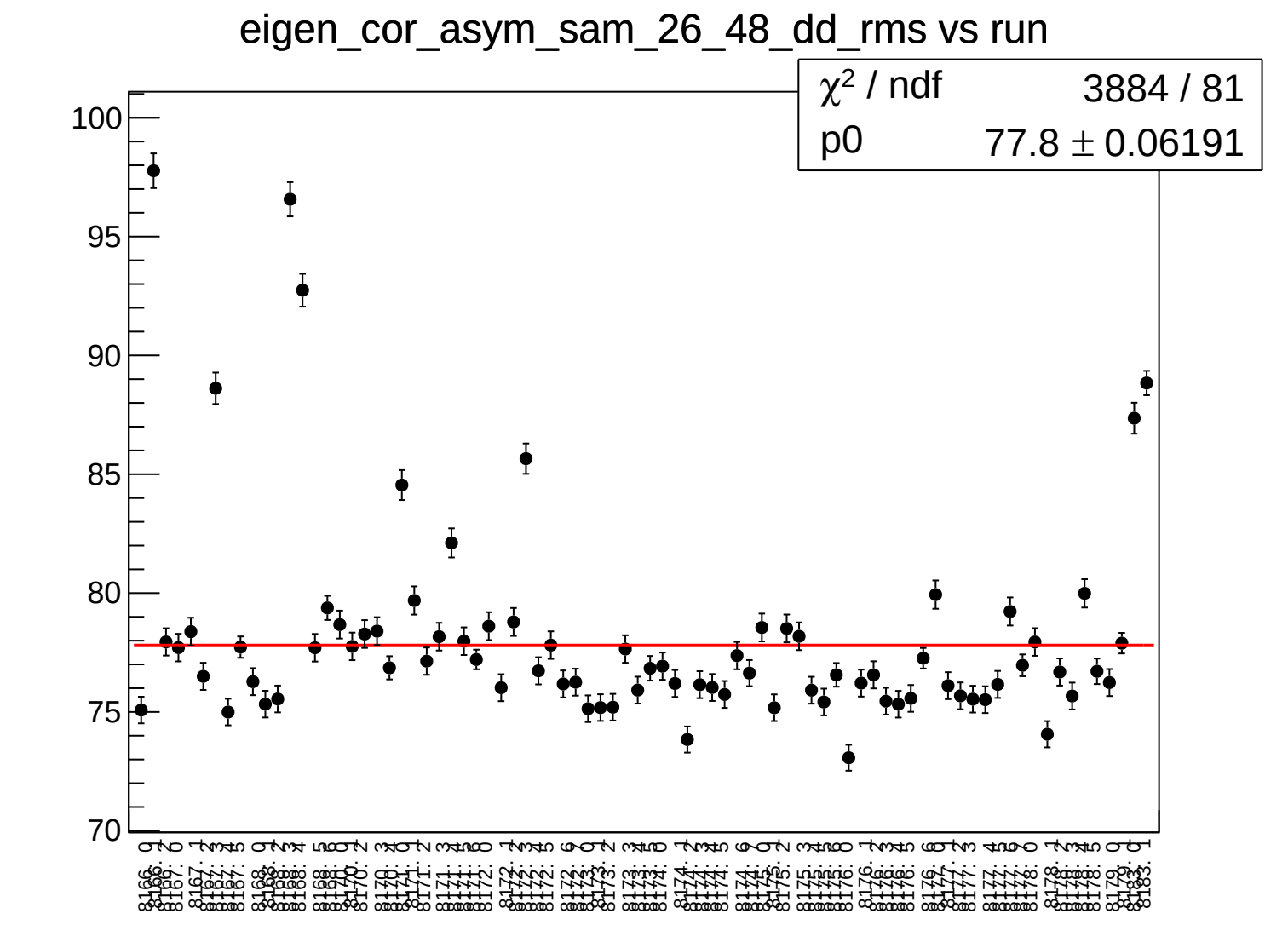

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 73.49 / 81
p0 −56.05 ± 663.6
pull
Entries 82
Mean −82.38
Std Dev 0

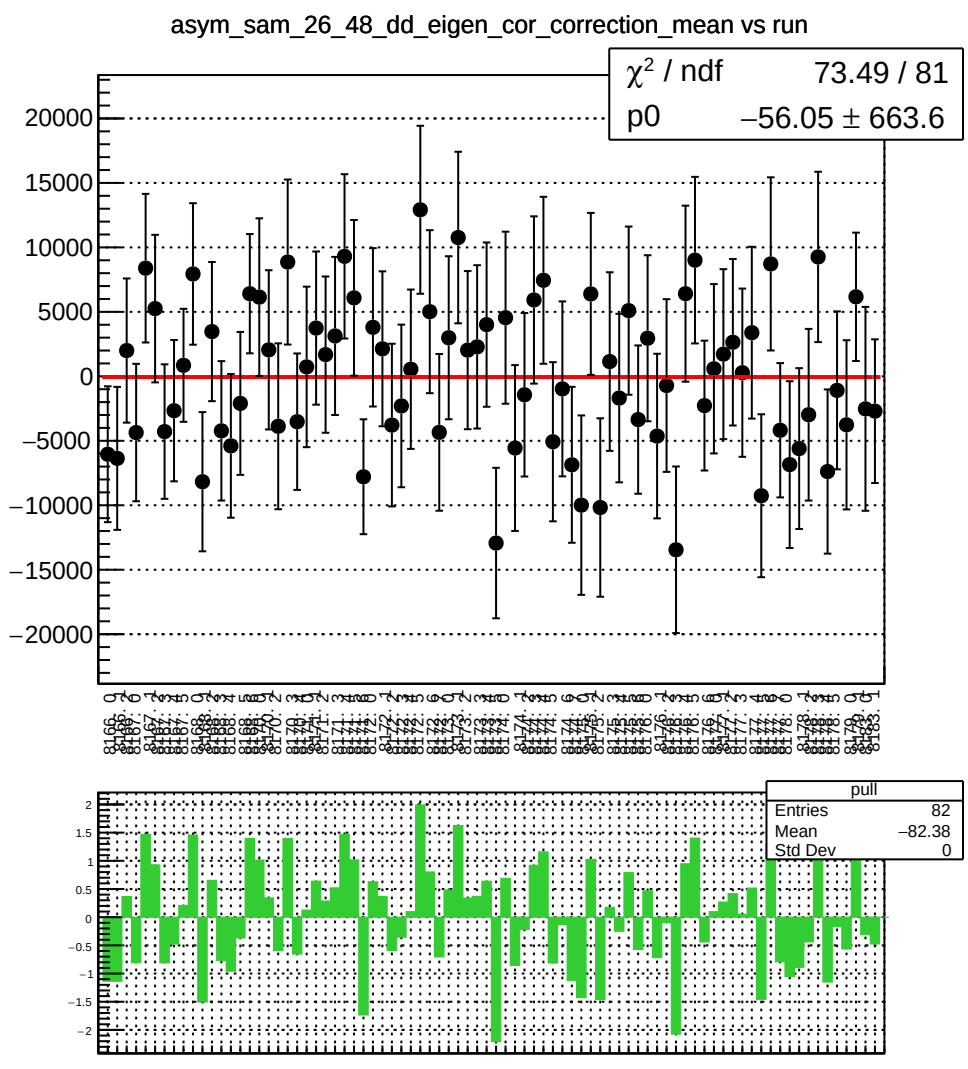

pull1D
Entries 82
Mean 0.015
Std Dev 0.9466

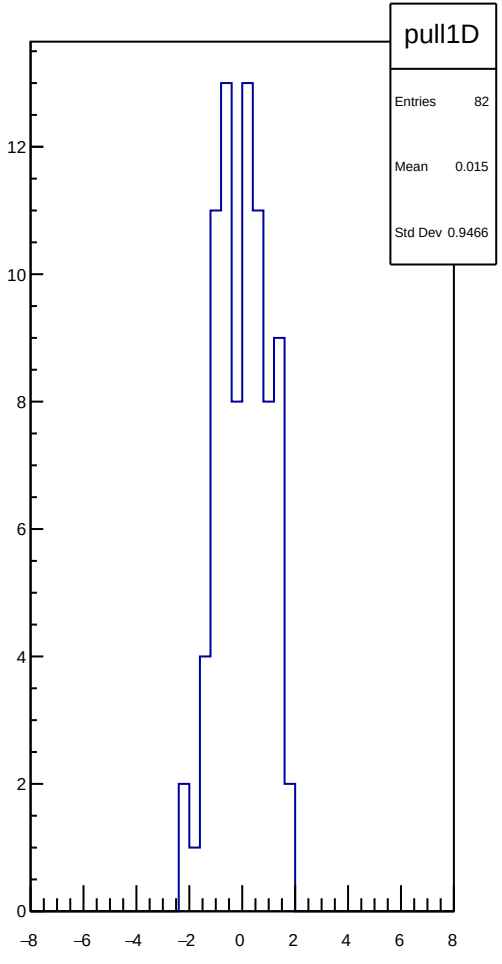

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 9803 / 81
p0 588.5 ± 0.4692
750
700
650
600
550
500

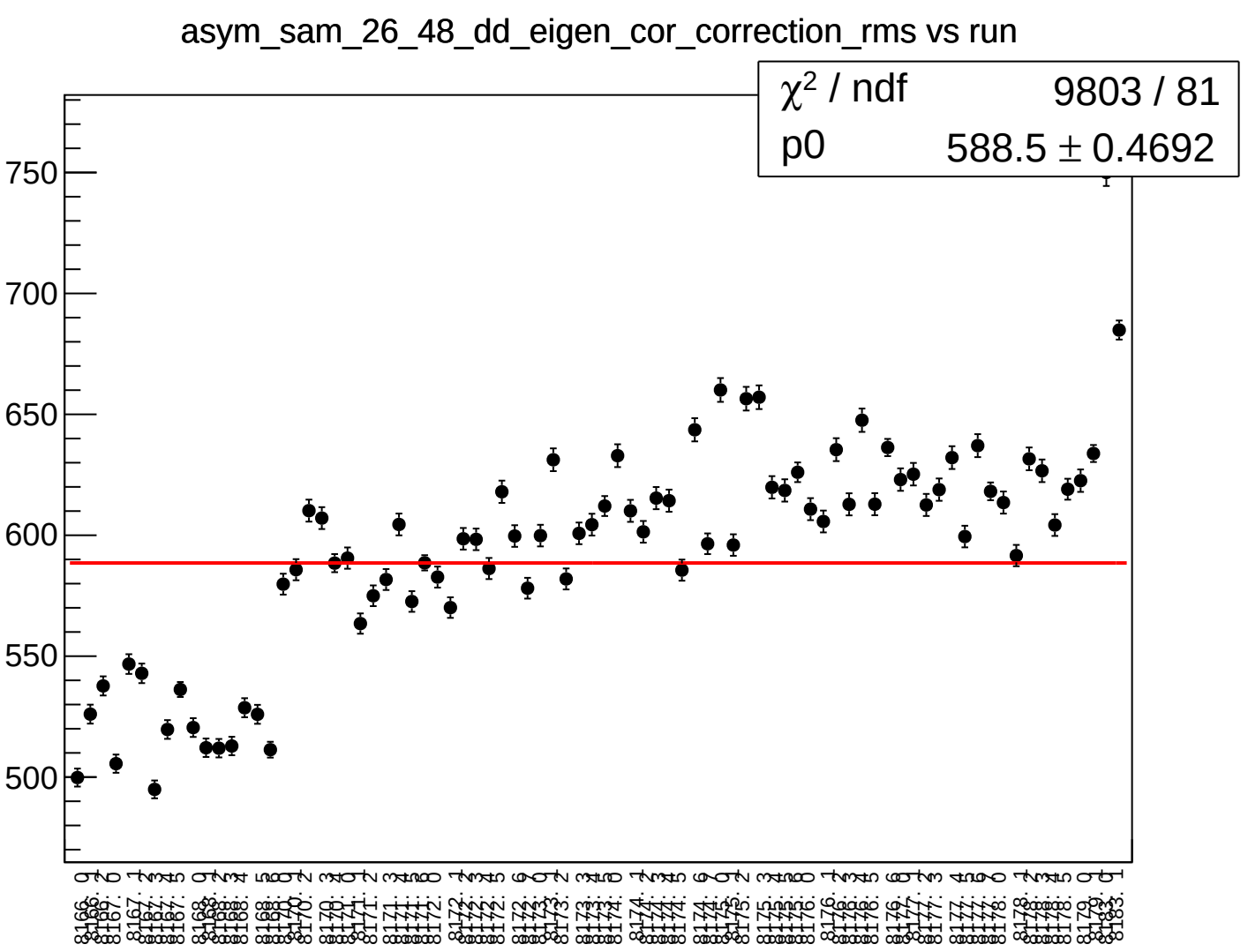

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 75.71 / 81
p0 −120 ± 87.56
pull
Entries 82
Mean −1158
Std Dev 0

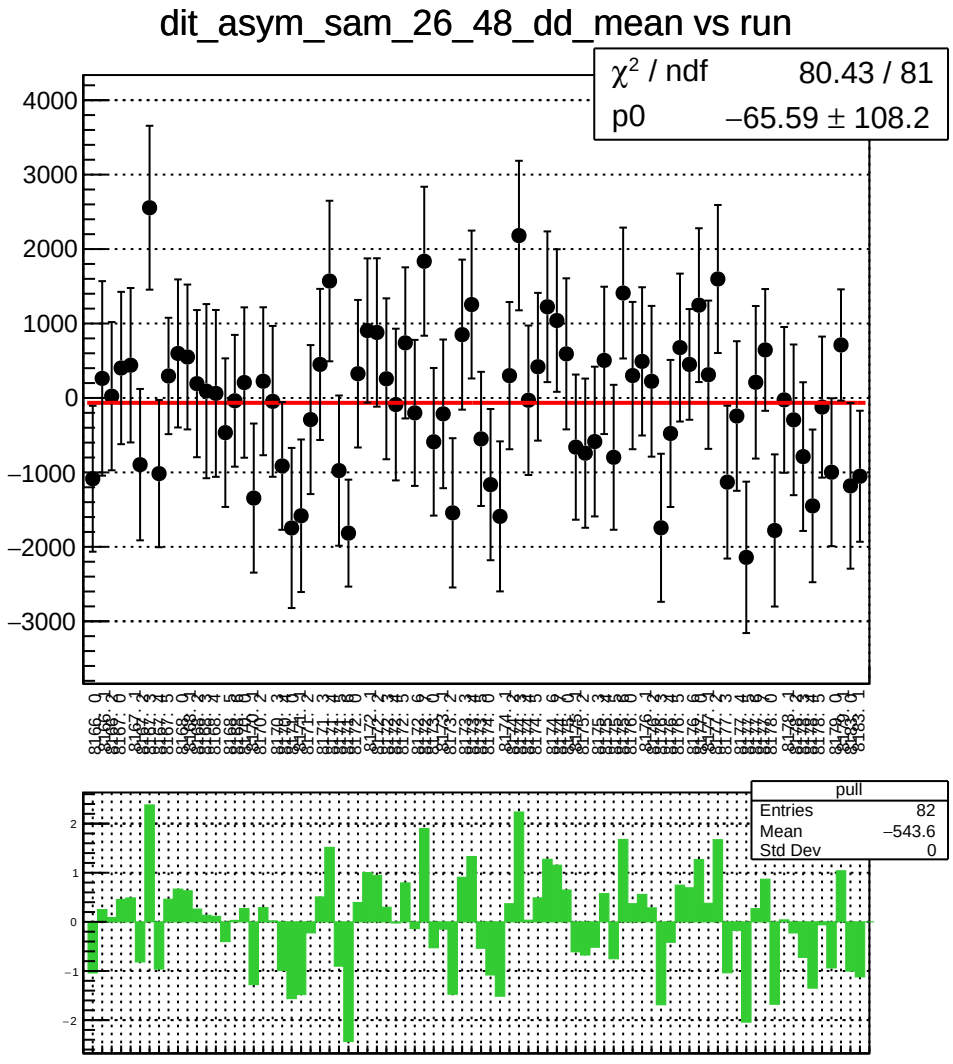

pull1D
Entries 82
Mean −0.0001233
Std Dev 0.9609

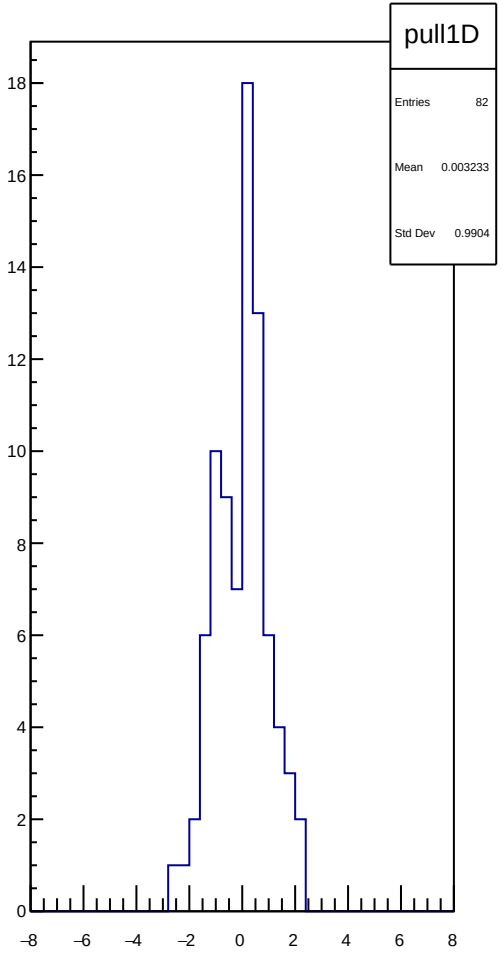

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 3884 / 81
p0 77.8 ± 0.06191
100
95
90
85
80
75
70

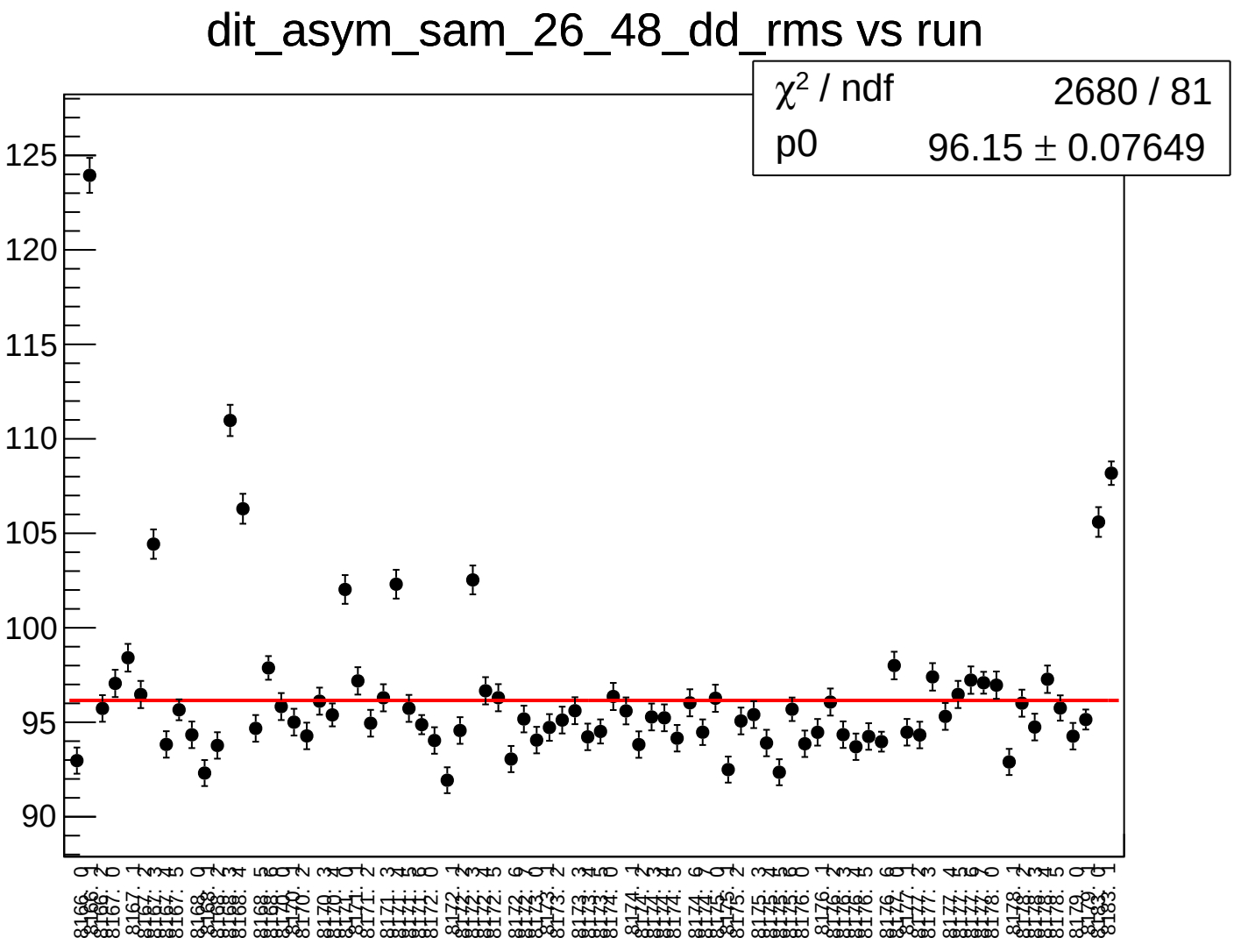

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 73.49 / 81
p0 −56.05 ± 663.6
pull
Entries 82
Mean −82.38
Std Dev 0

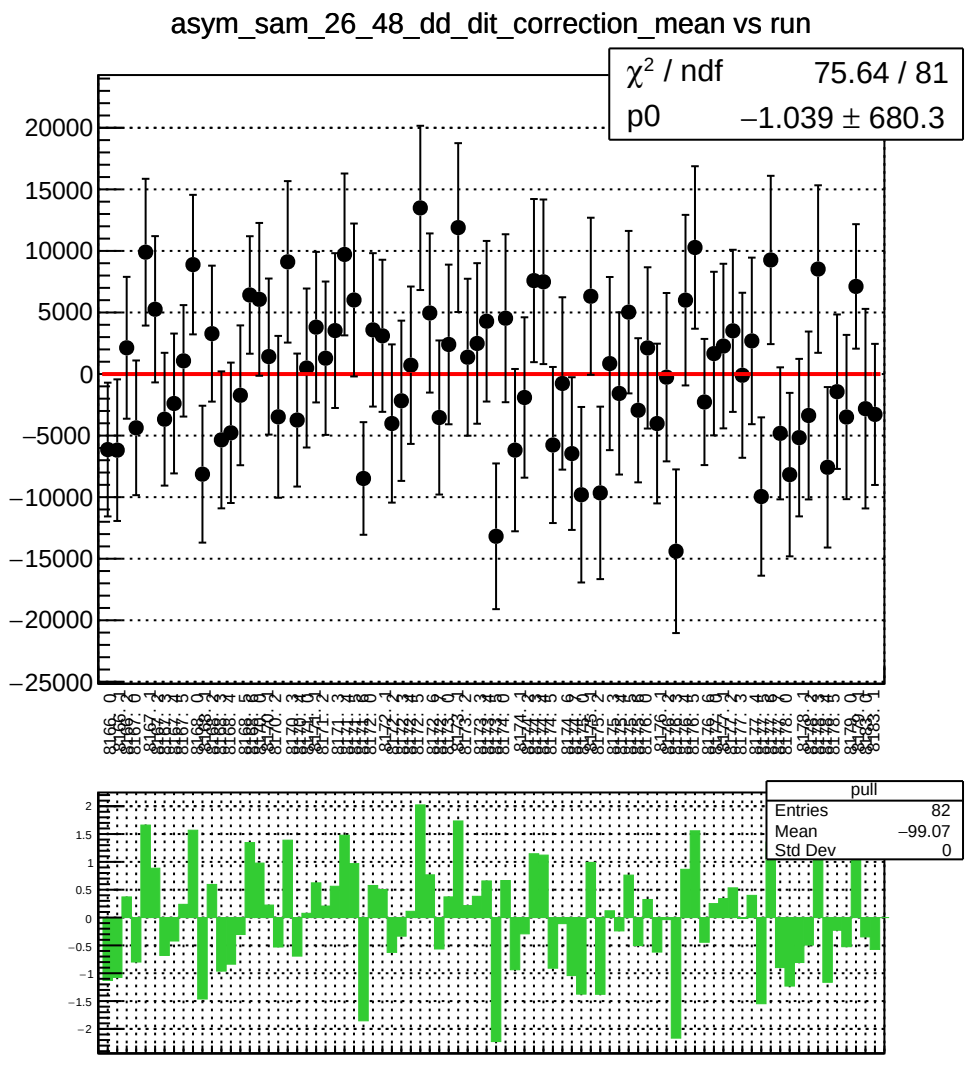

pull1D
Entries 82
Mean 0.015
Std Dev 0.9466

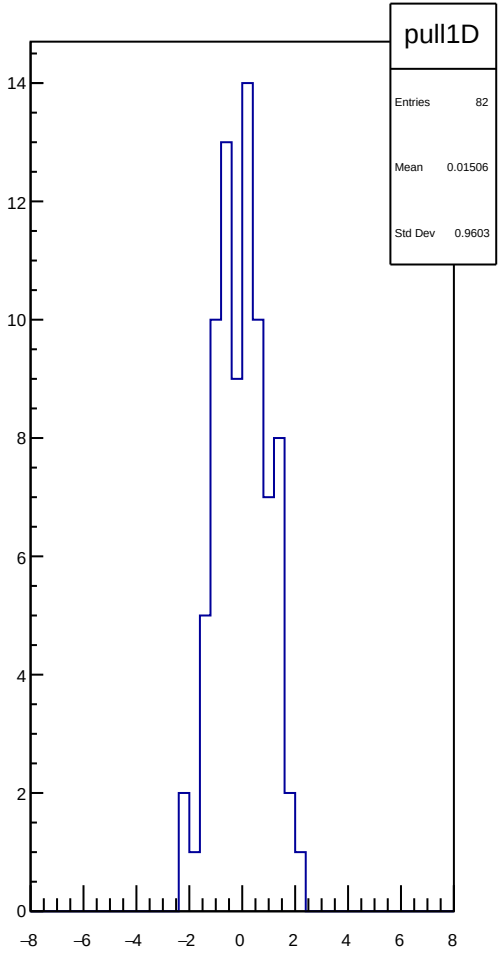

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 9803 / 81
p0 588.5 ± 0.4692
750
700
650
600
550
500

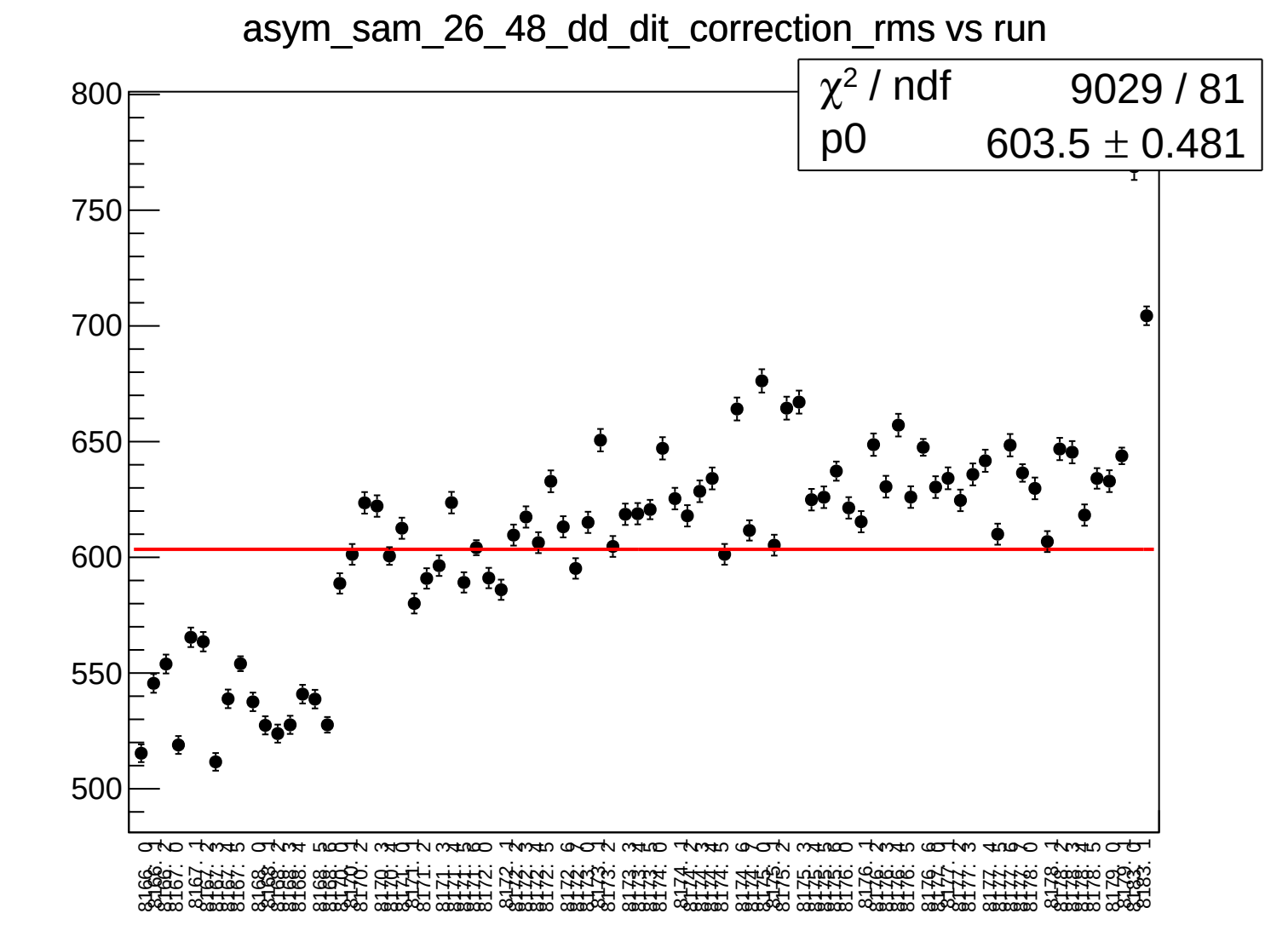

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.43 / 81
p0 −65.59 ± 108.2
pull
Entries 82
Mean −543.6
Std Dev 0

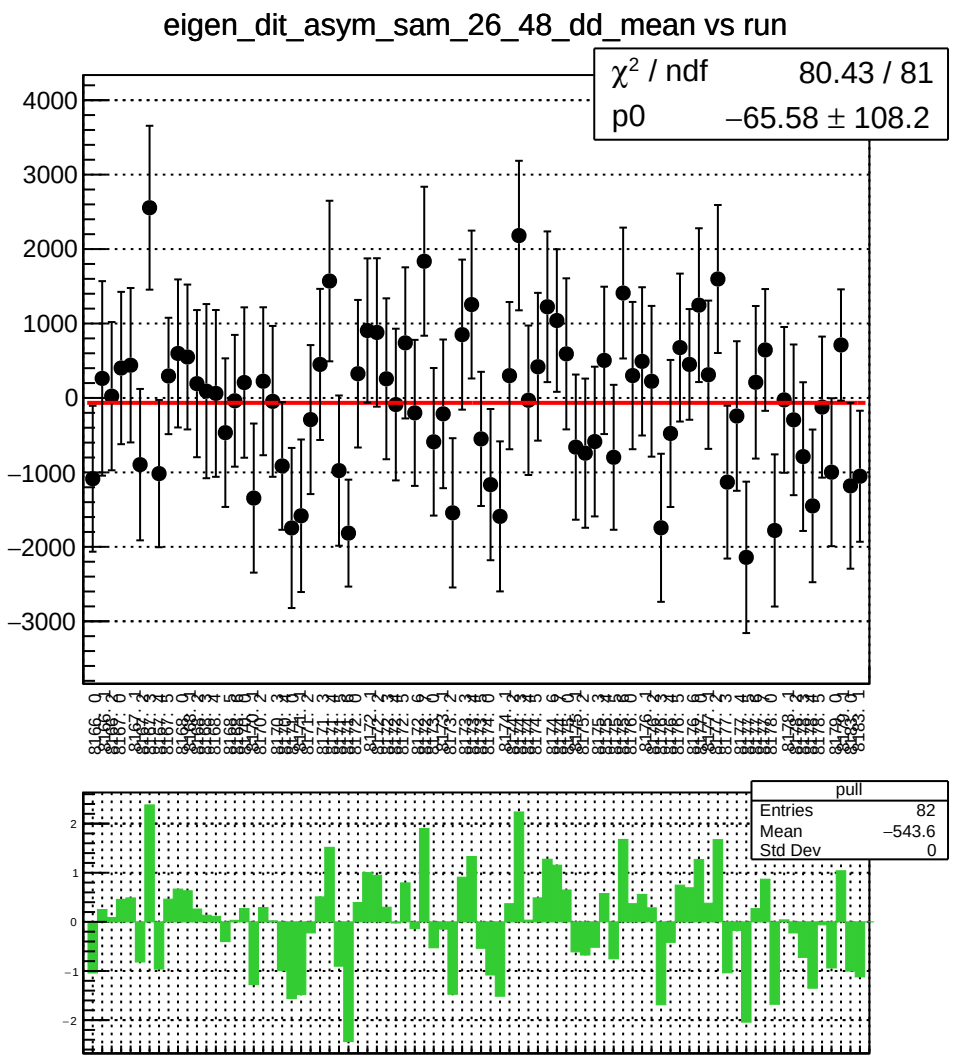

pull1D
Entries 82
Mean 0.003233
Std Dev 0.9904

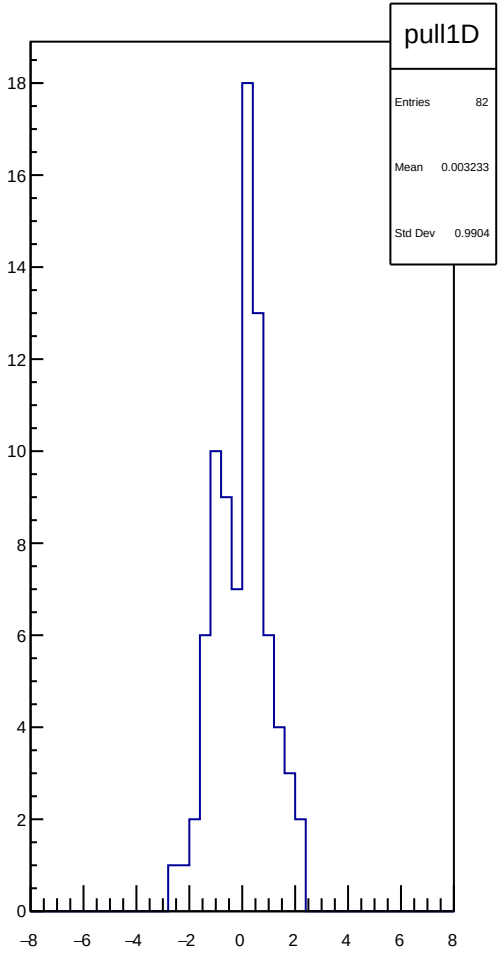

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2680 / 81
p0 96.15 ± 0.07649
125
120
115
110
105
100
95
90

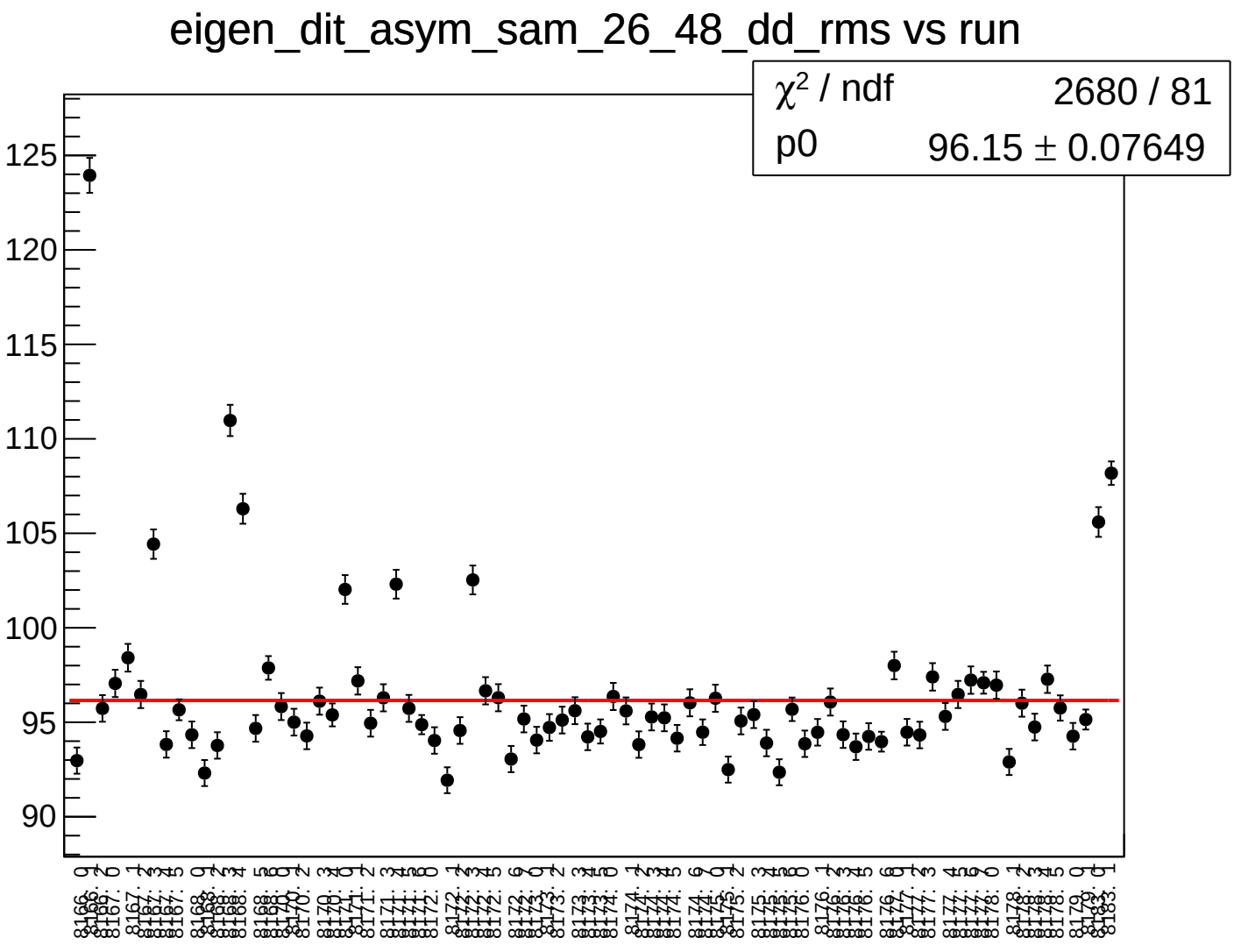

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 75.64 / 81
p0 −1.039 ± 680.3
pull
Entries 82
Mean −99.07
Std Dev 0

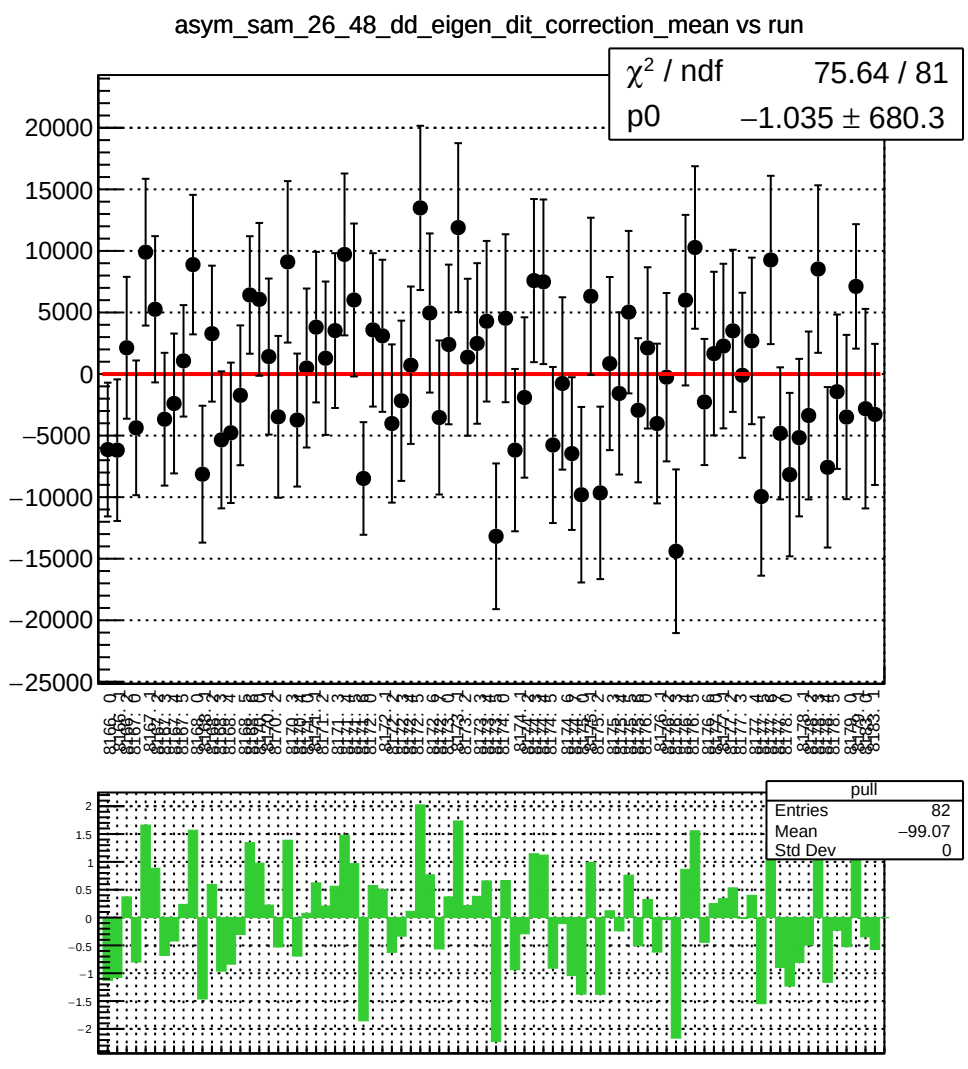

pull1D
Entries 82
Mean 0.01506
Std Dev 0.9603

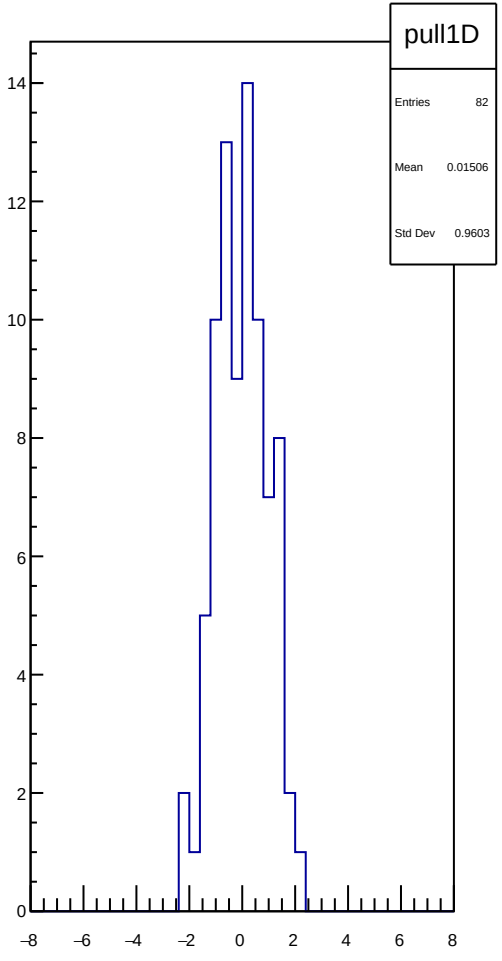

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 9029 / 81
p0 603.5 ± 0.481
800
750
700
650
600
550
500

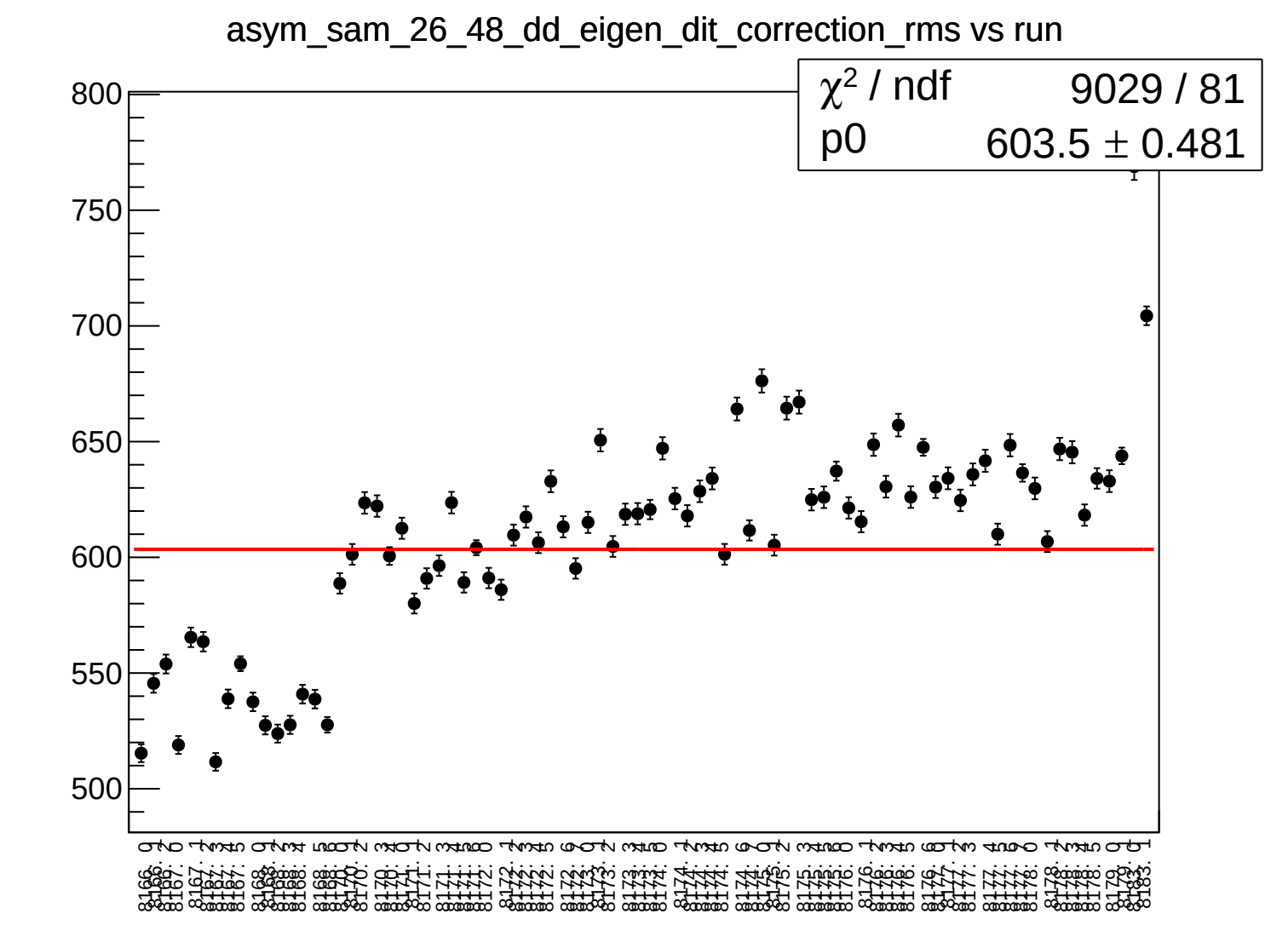

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.43 / 81
p0 −65.58 ± 108.2
pull
Entries 82
Mean −543.6
Std Dev 0

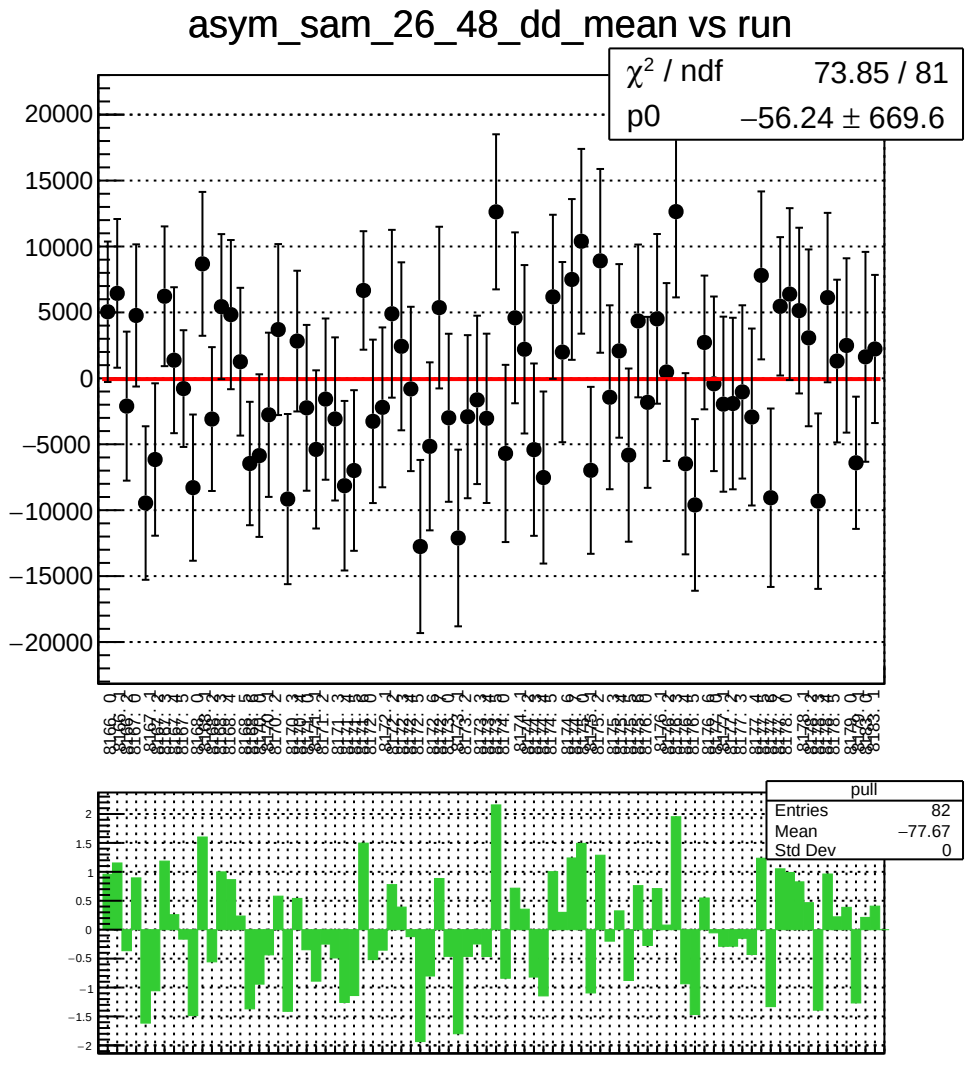

pull1D
Entries 82
Mean 0.003233
Std Dev 0.9904

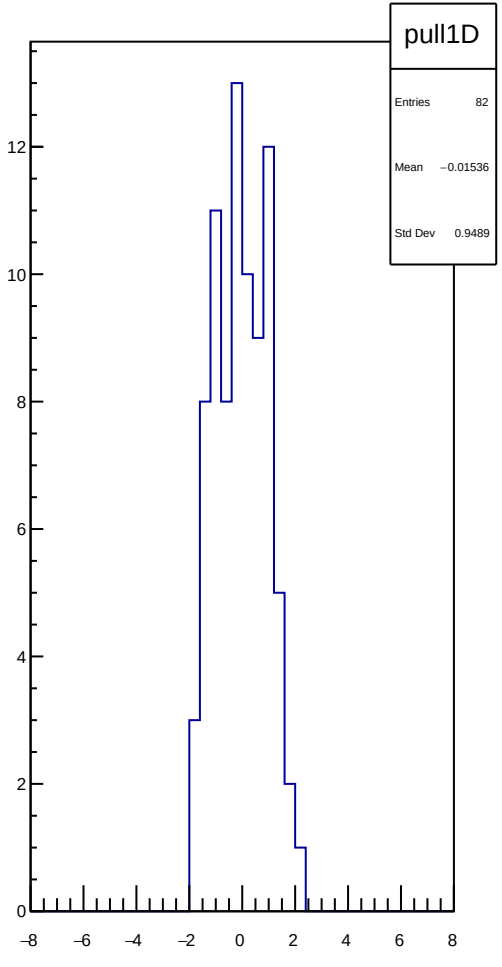

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2680 / 81
p0 96.15 ± 0.07649
125
120
115
110
105
100
95
90

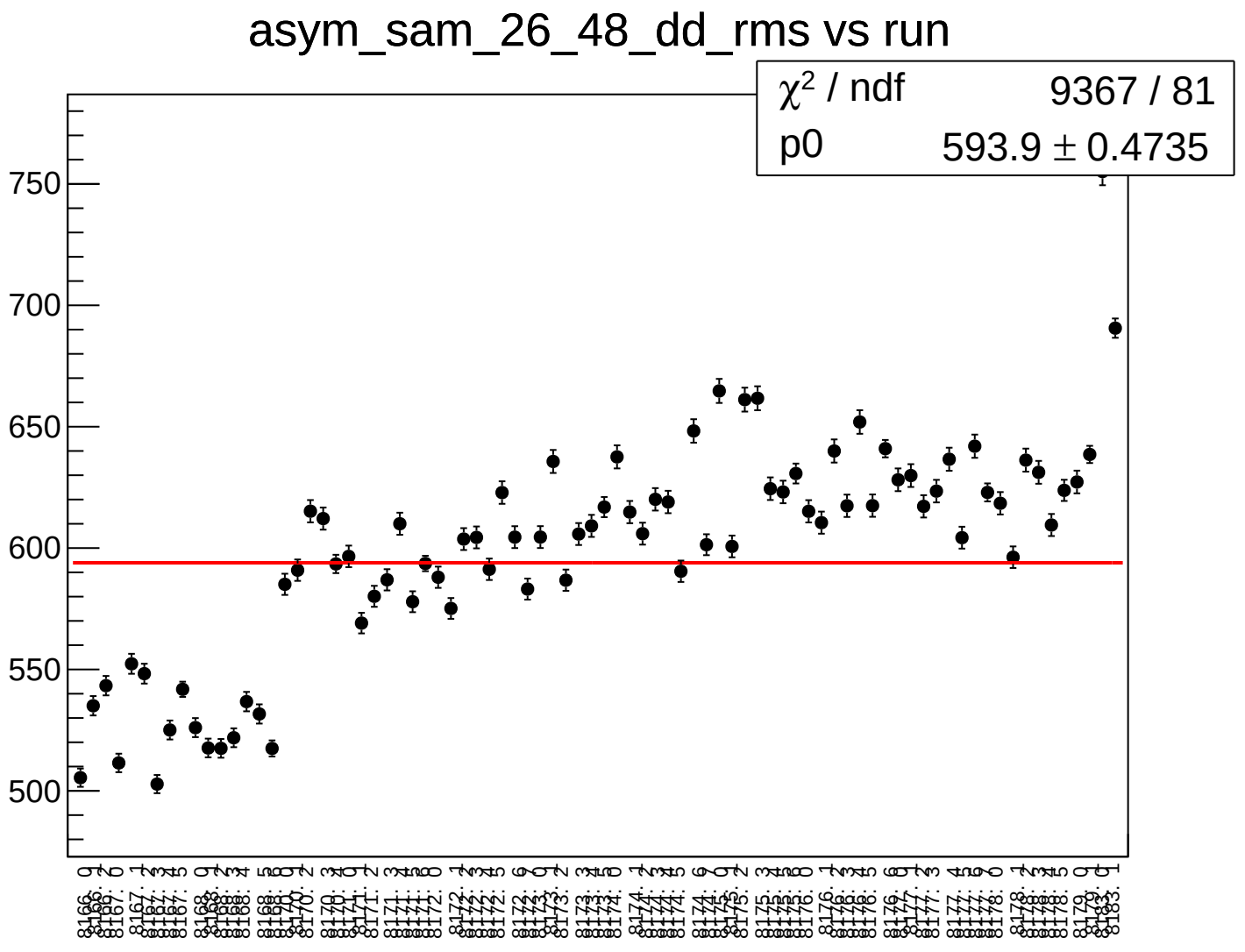

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.64 / 81
p0 −1.035 ± 680.3
pull
Entries 82
Mean −99.07
Std Dev 0

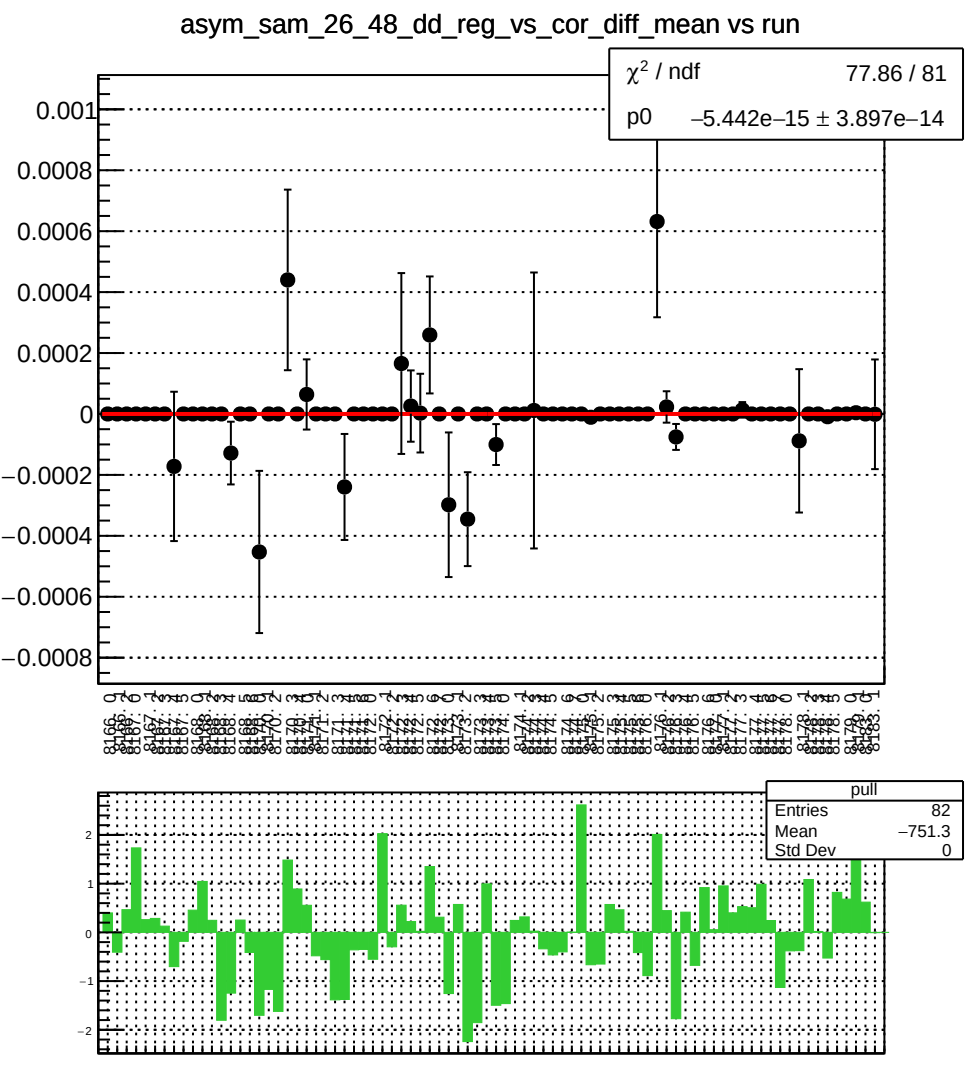

pull1D
Entries 82
Mean 0.01506
Std Dev 0.9603

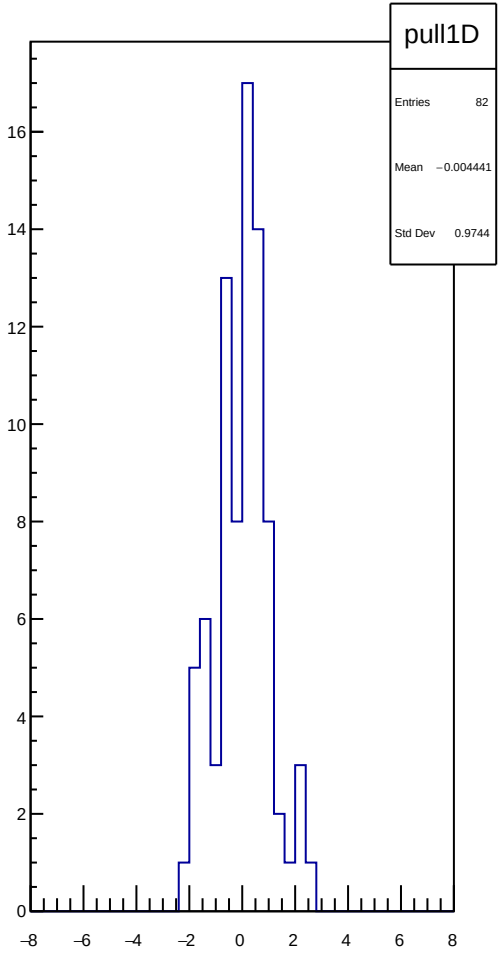

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 9029 / 81
p0 603.5 ± 0.481
800
750
700
650
600
550
500

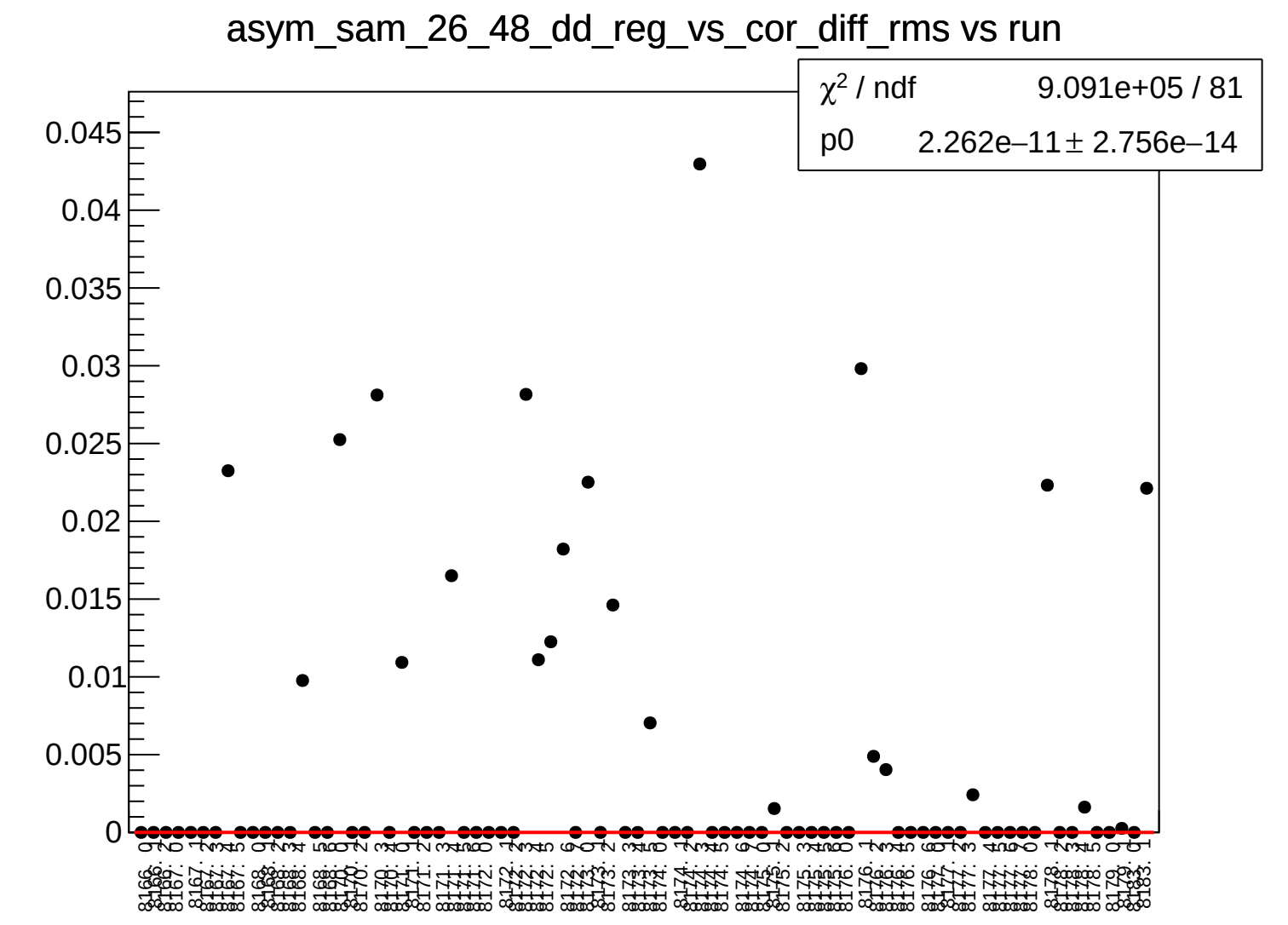

asym_sam_26_48_dd_mean vs run
χ² / ndf 73.85 / 81
p0 −56.24 ± 669.6
pull
Entries 82
Mean −77.67
Std Dev 0

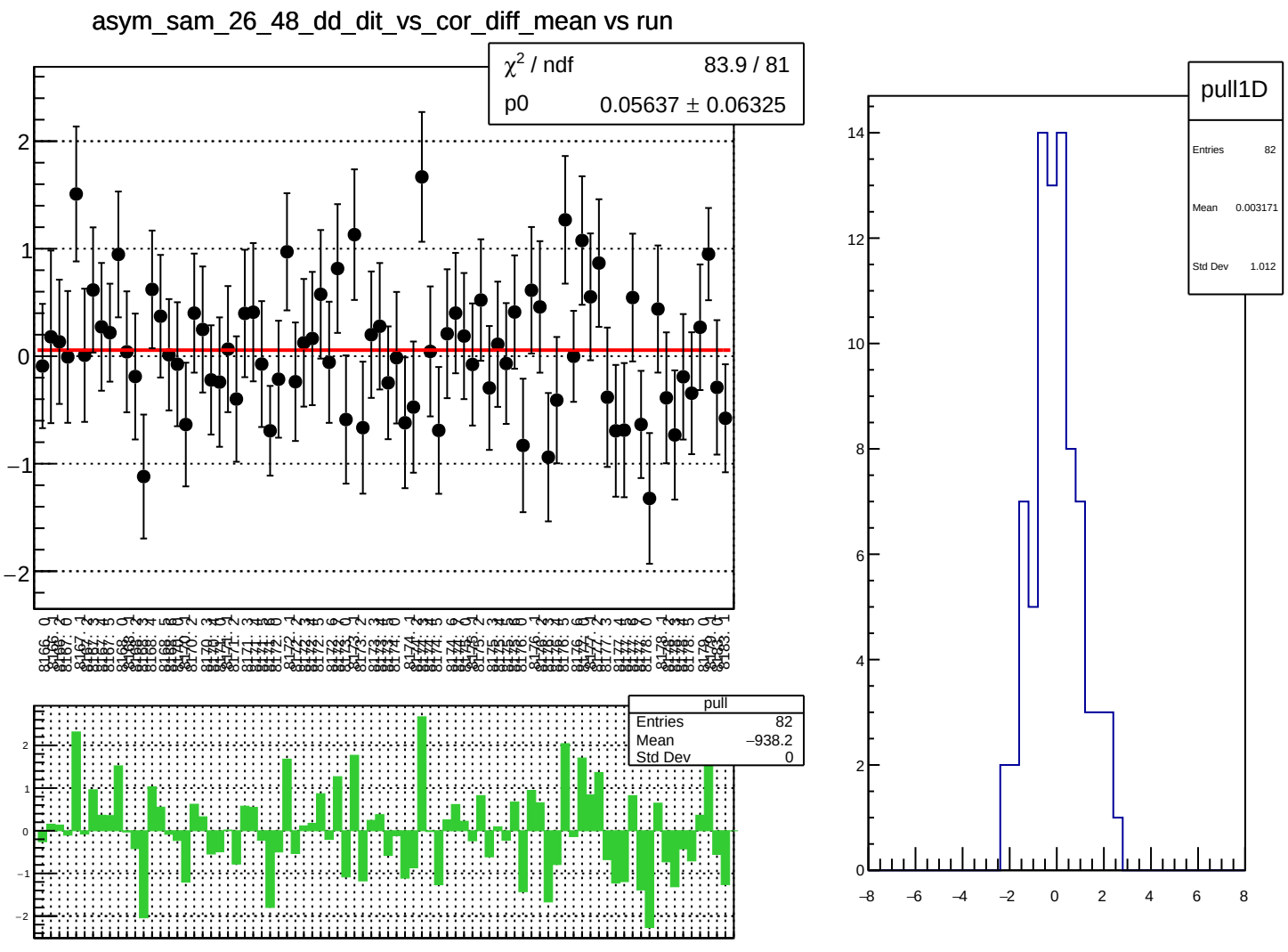

pull1D
Entries 82
Mean −0.01536
Std Dev 0.9489

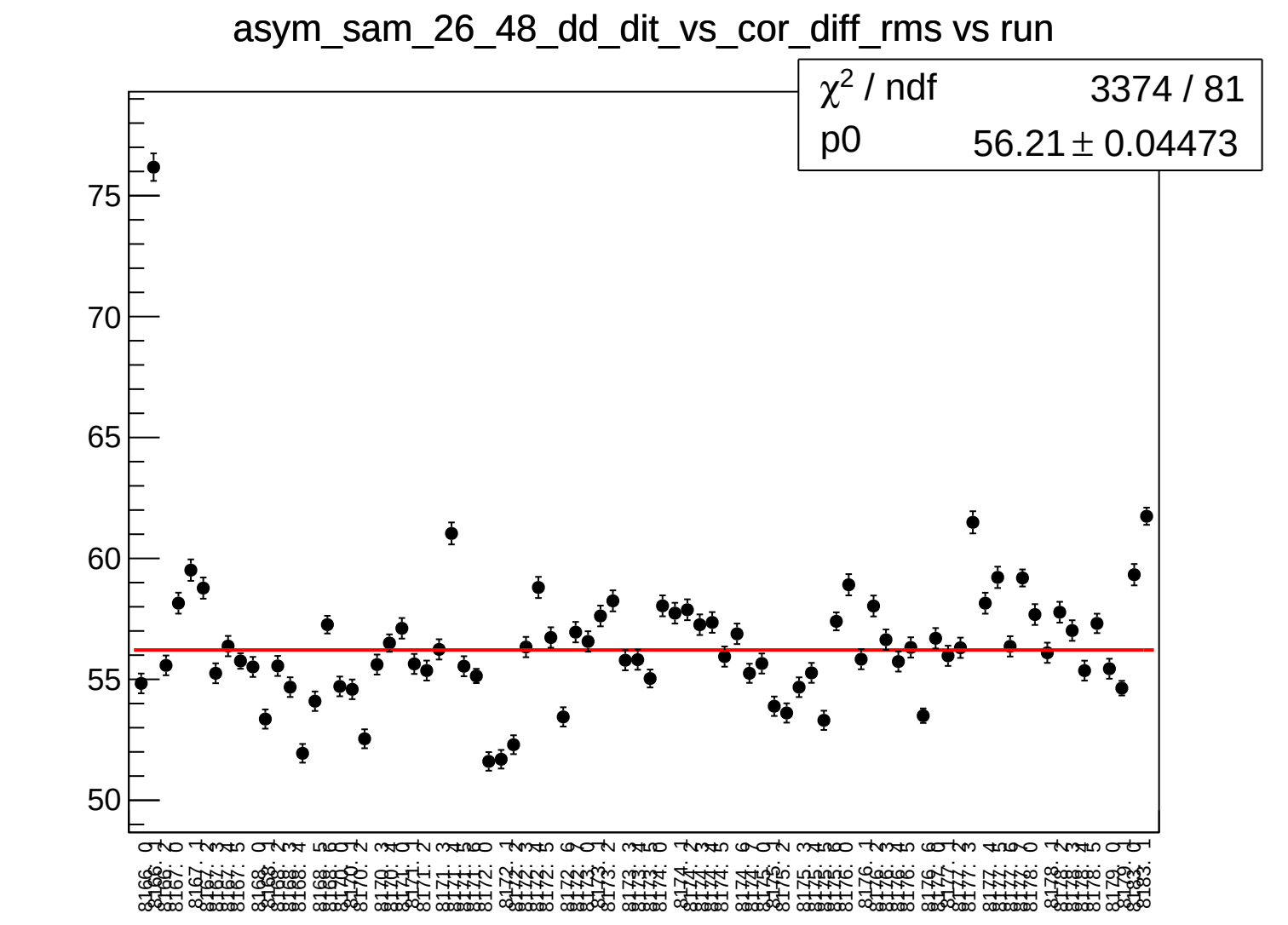

asym_sam_26_48_dd_rms vs run
χ² / ndf 9367 / 81
p0 593.9 ± 0.4735
750
700
650
600
550
500


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.86 / 81
p0 −5.442e−15 ± 3.897e−14
pull
Entries 82
Mean −751.3
Std Dev 0

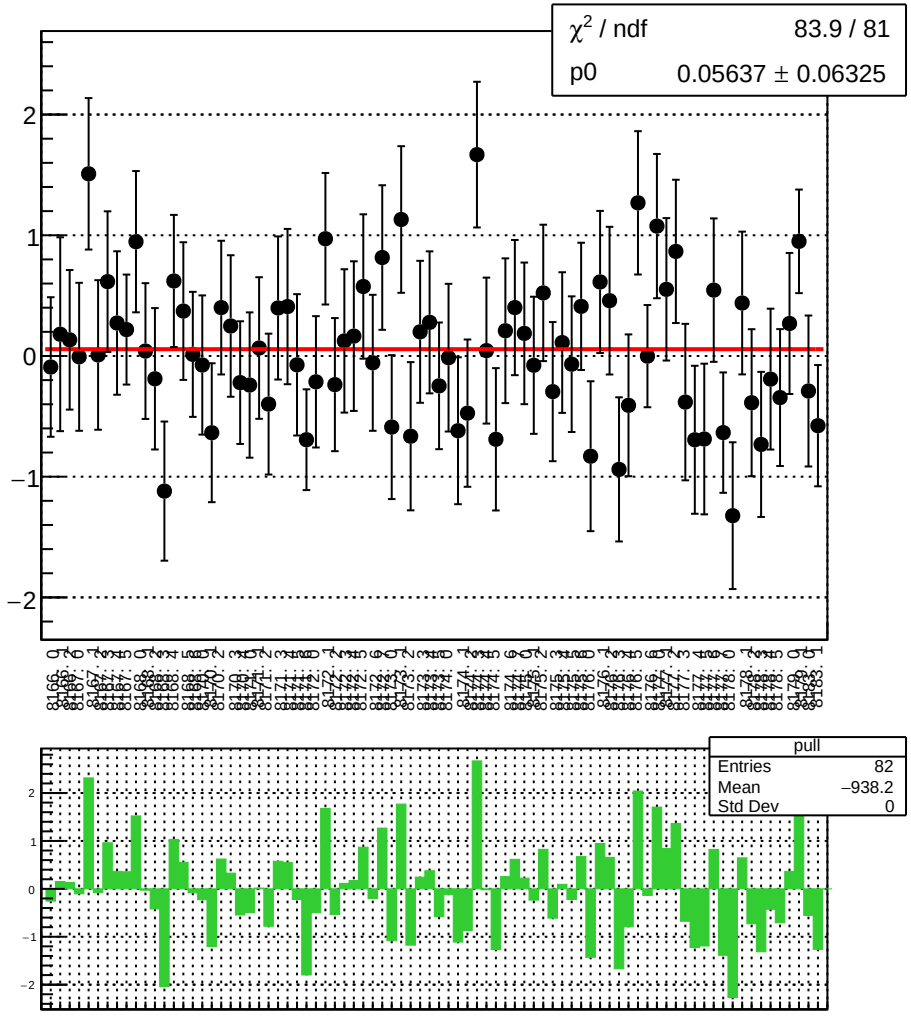

pull1D
Entries 82
Mean −0.004441
Std Dev 0.9744

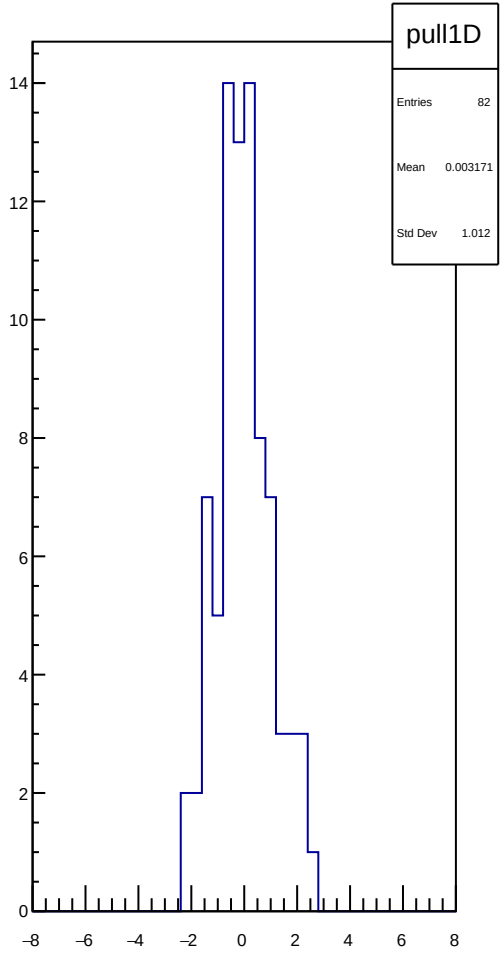

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 9.091e+05 / 81
p0 2.262e−11 ± 2.756e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

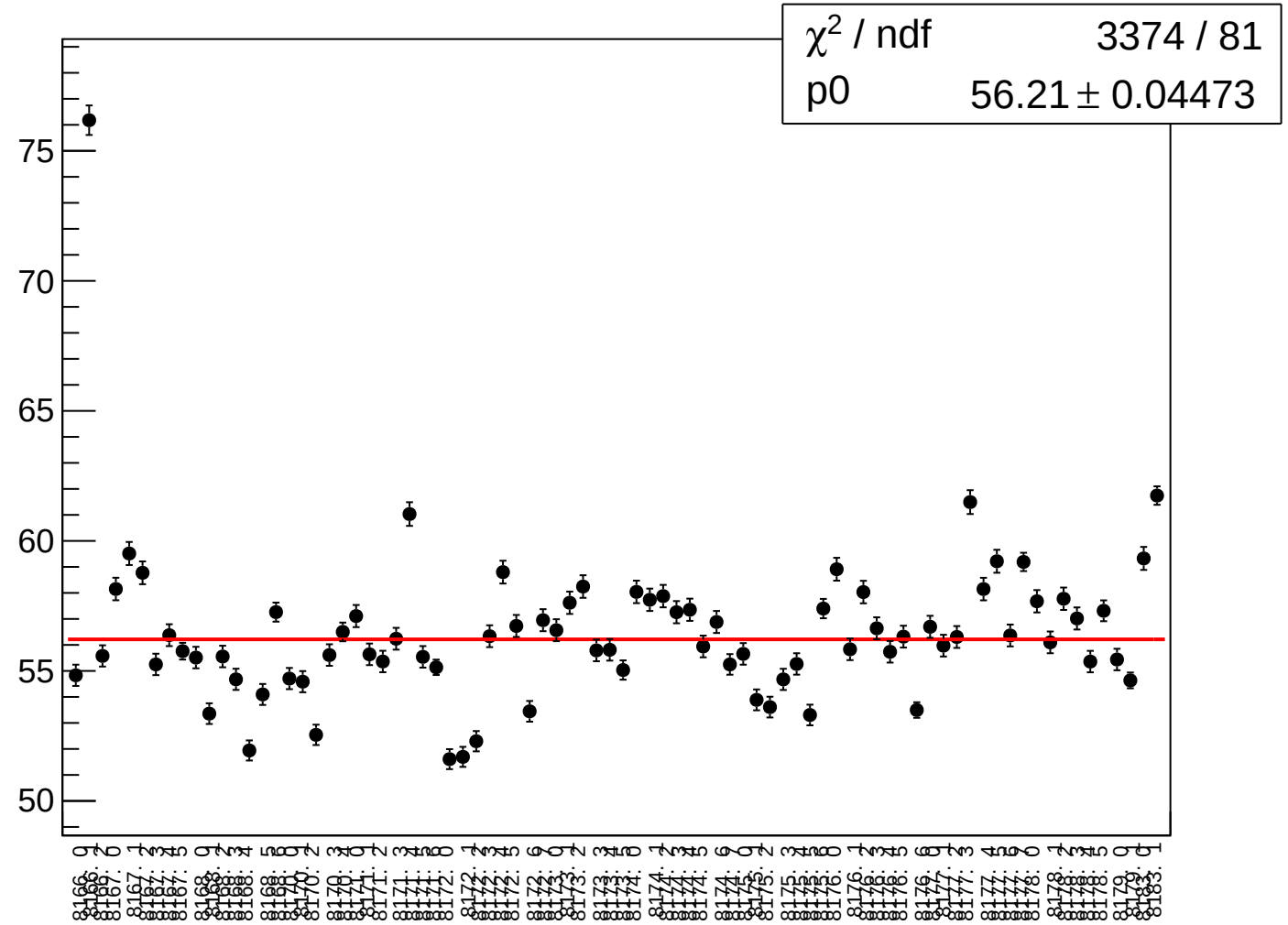

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.9 / 81
p0 0.05637 ± 0.06325
pull
Entries 82
Mean −938.2
Std Dev 0
pull1D
Entries 82
Mean 0.003171
Std Dev 1.012

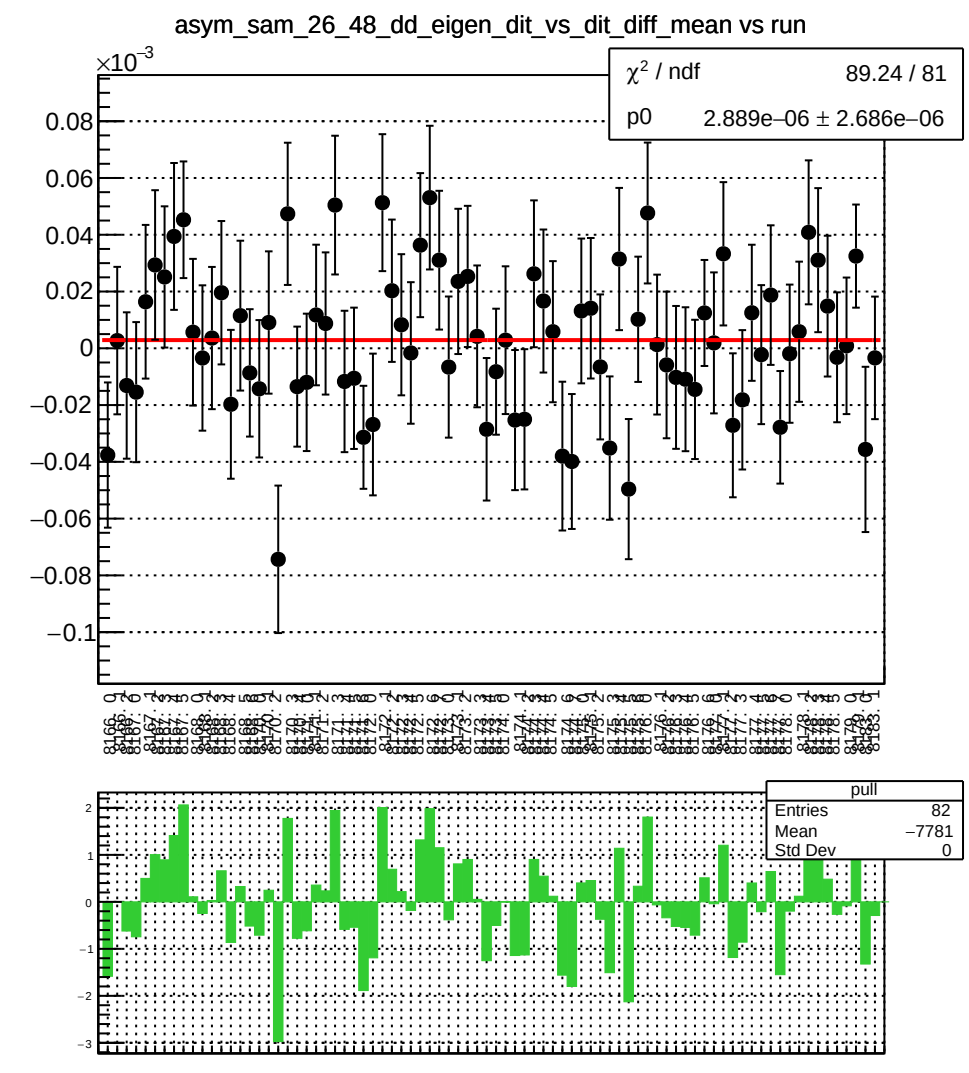

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3374 / 81
p0 56.21 ± 0.04473
75
70
65
60
55
50

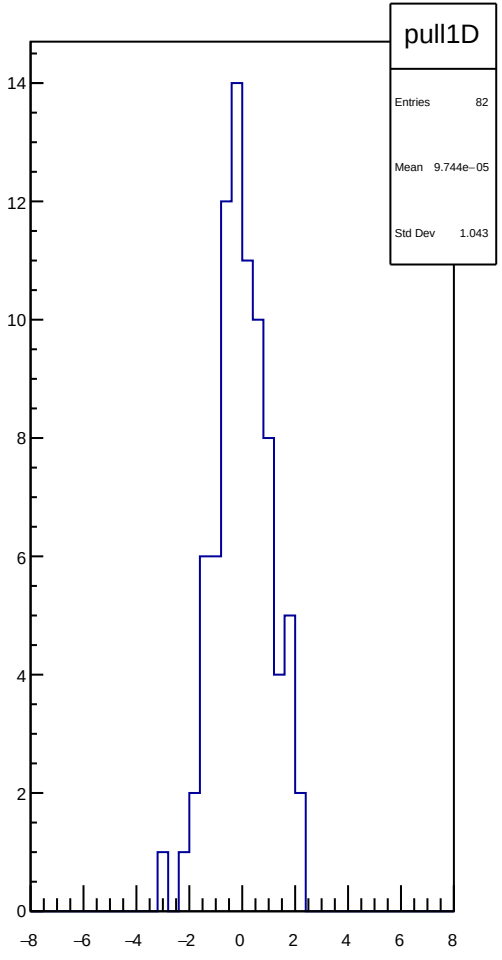
asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run

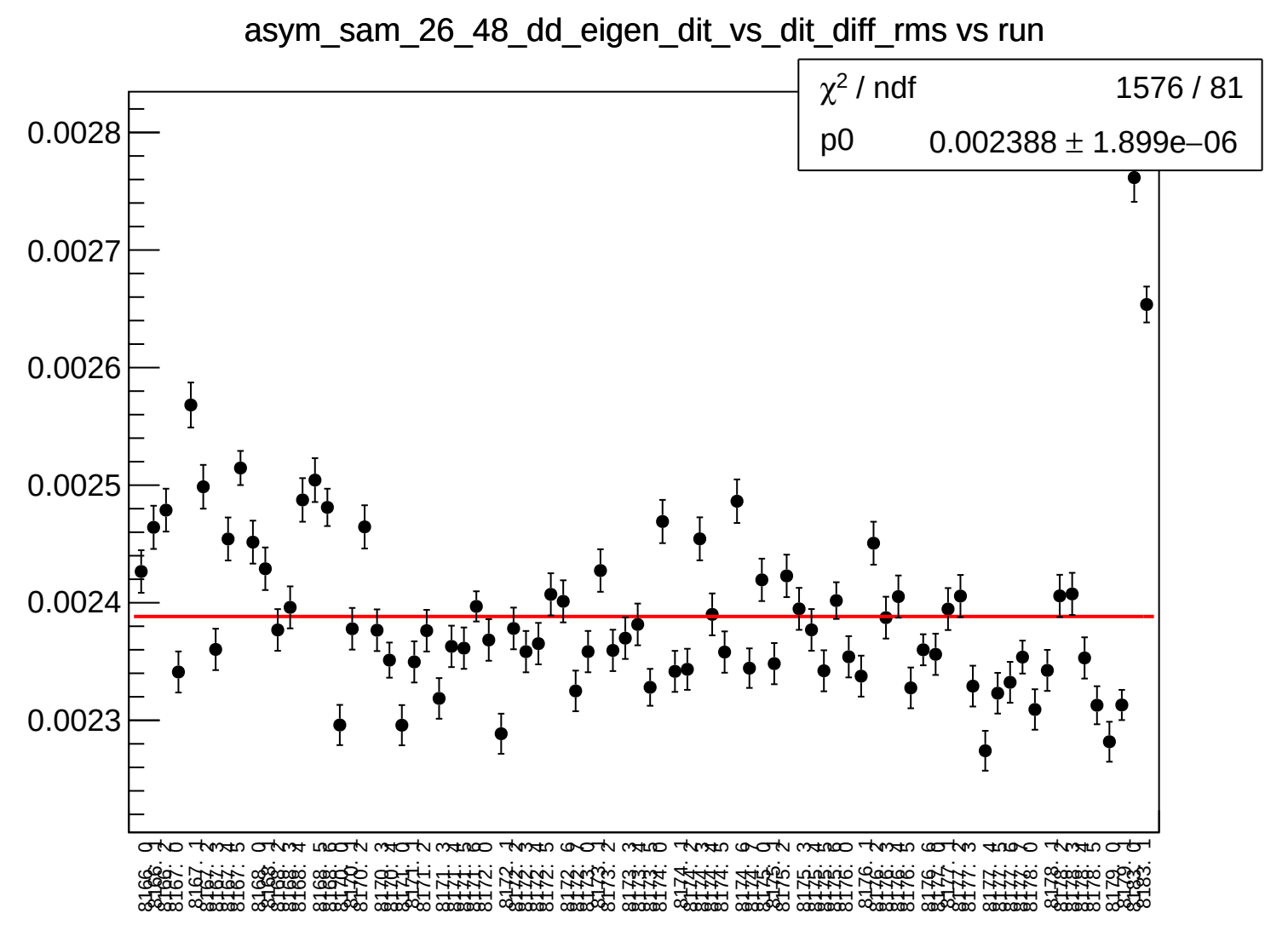


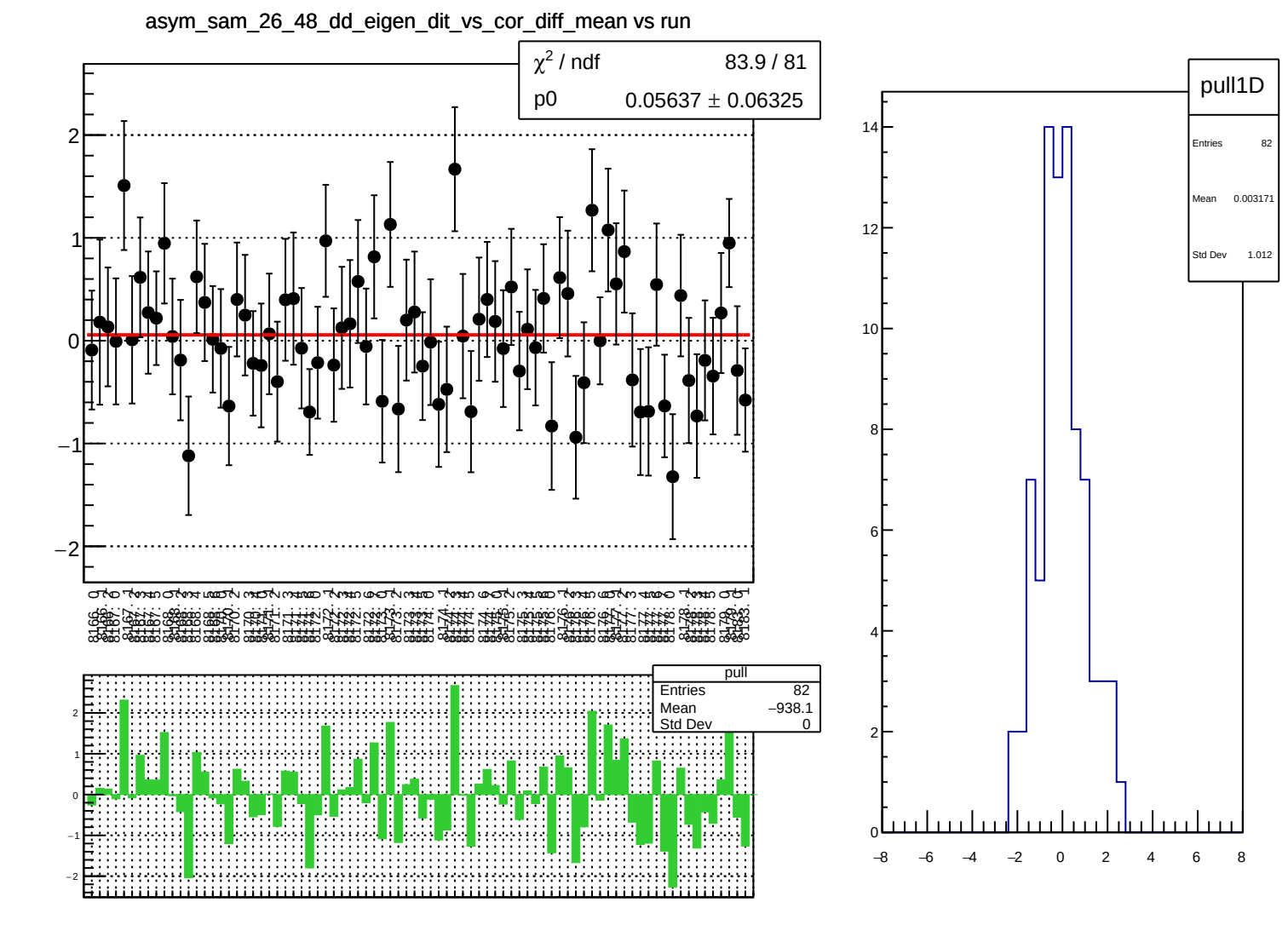


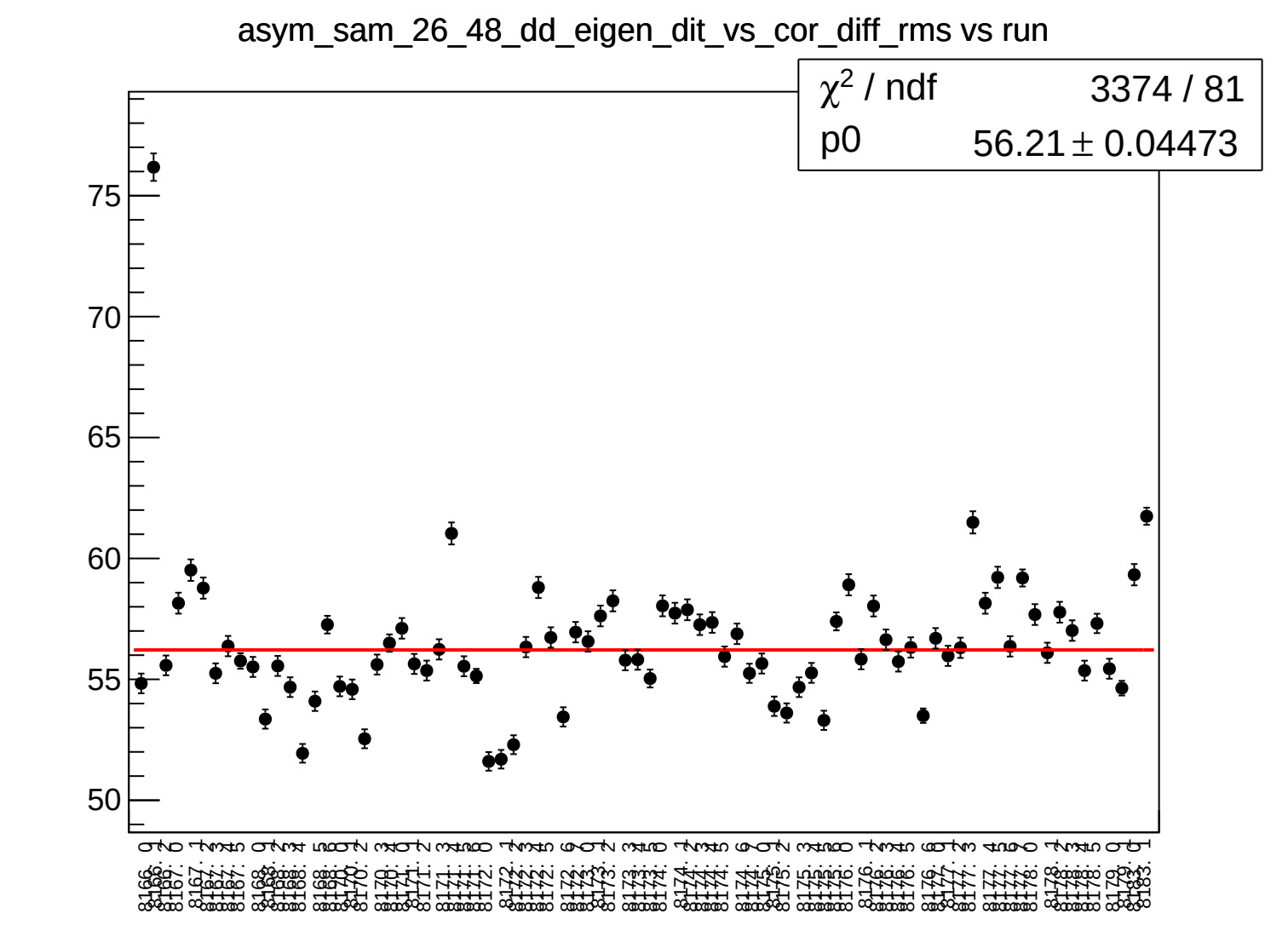

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3374 / 81
p0 56.21 ± 0.04473
75
70
65
60
55
50

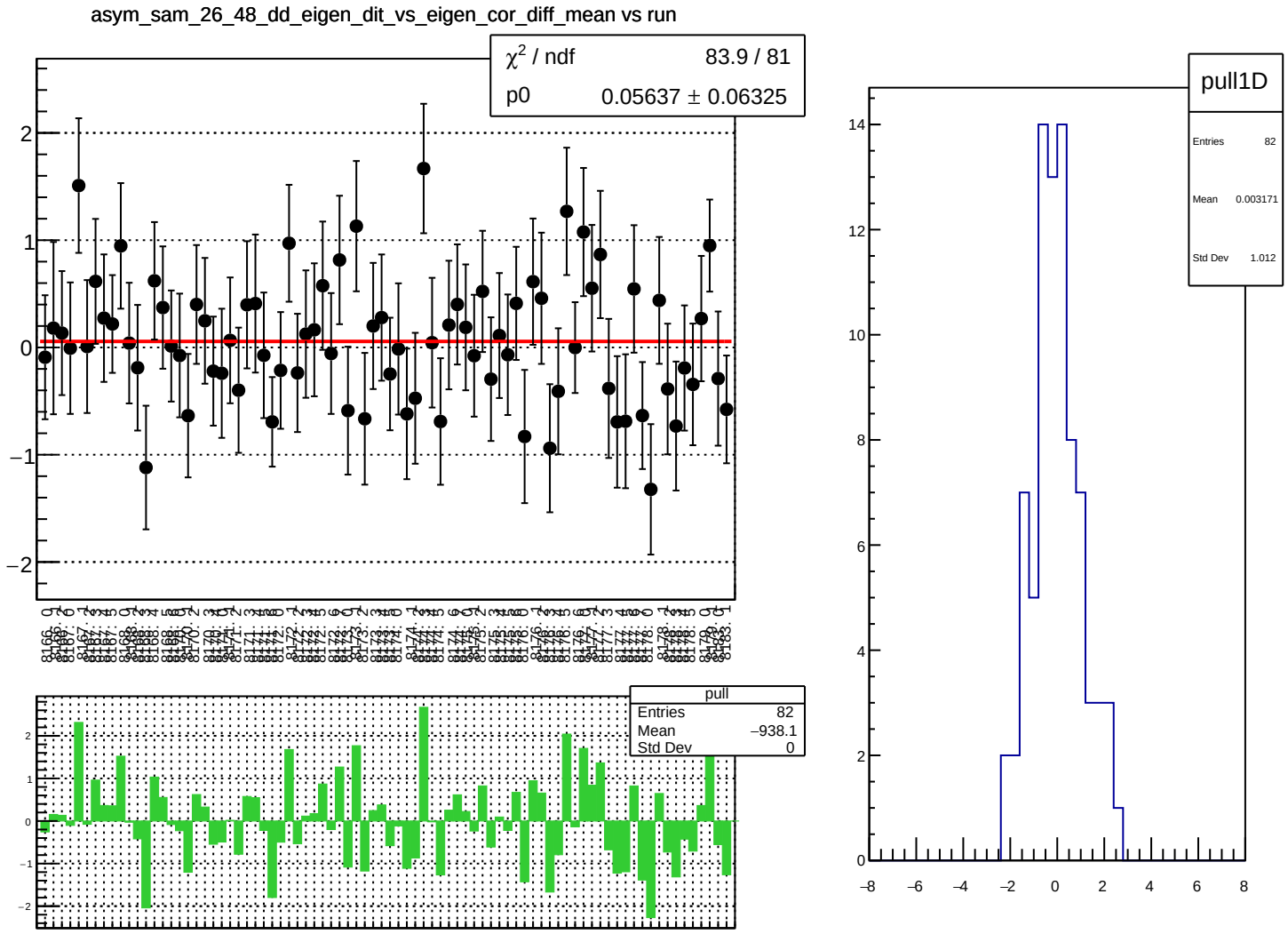

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.24 / 81
p0 2.889e−06 ± 2.686e−06
pull
Entries 82
Mean −7781
Std Dev 0

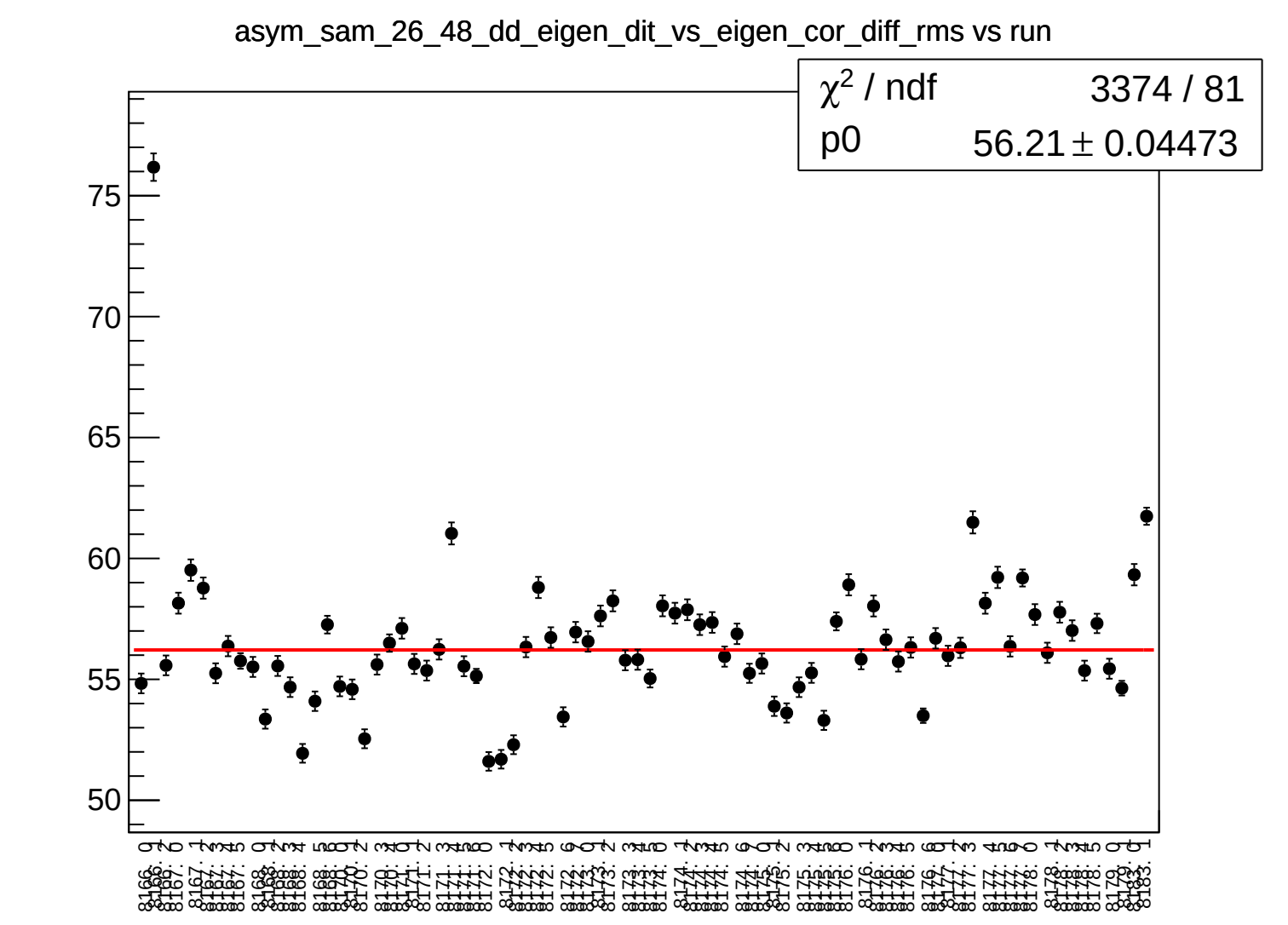

pull1D
Entries 82
Mean 9.744e−05
Std Dev 1.043

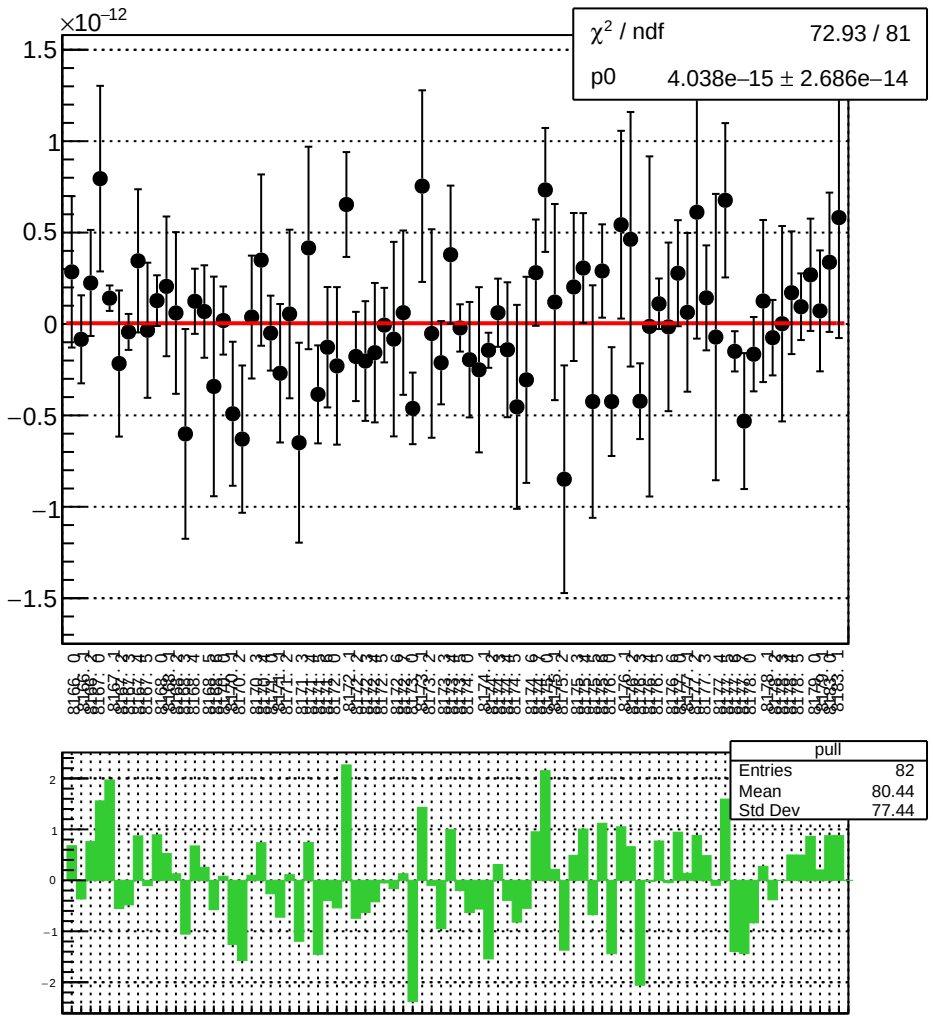

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1576 / 81
p0 0.002388 ± 1.899e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

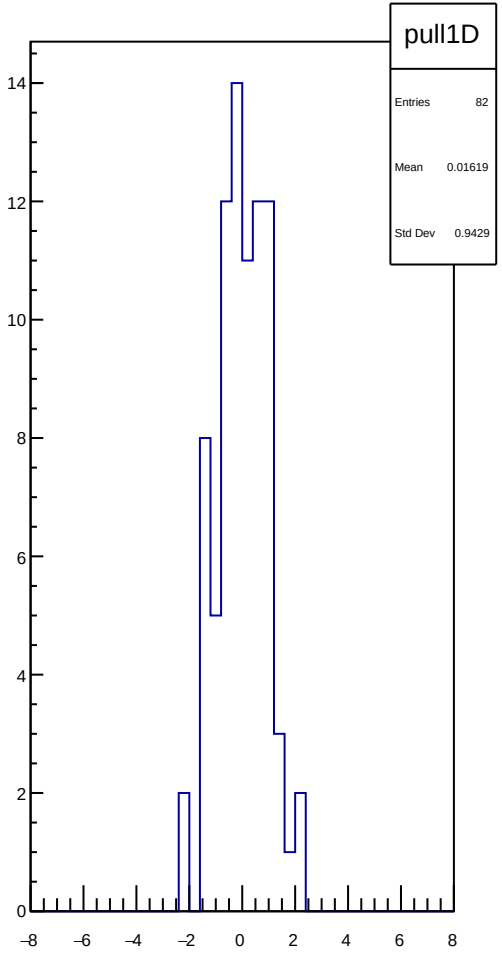

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.9 / 81
p0 0.05637 ± 0.06325
pull
Entries 82
Mean −938.1
Std Dev 0
pull1D
Entries 82
Mean 0.003171
Std Dev 1.012

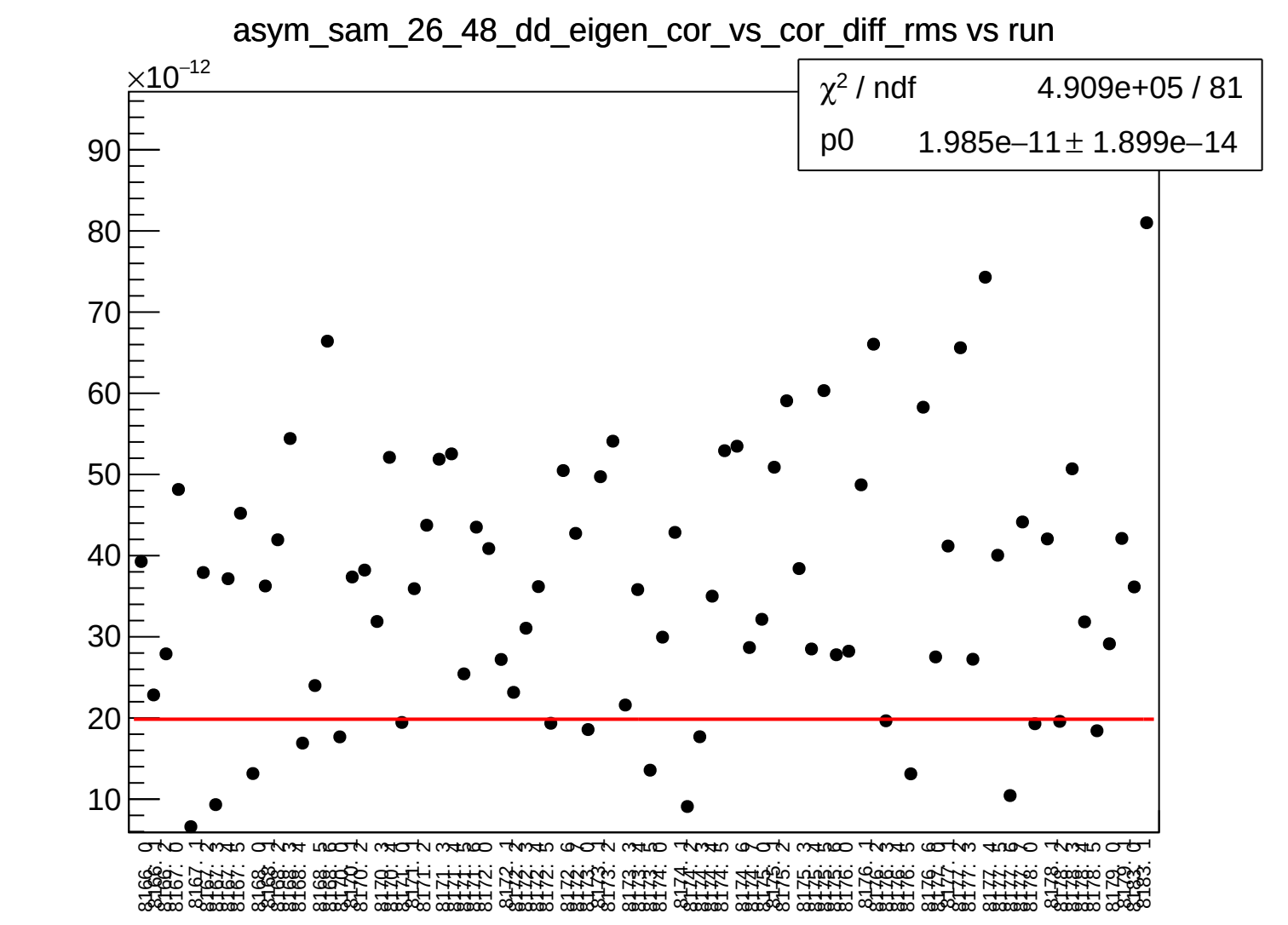

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3374 / 81
p0 56.21 ± 0.04473
75
70
65
60
55
50

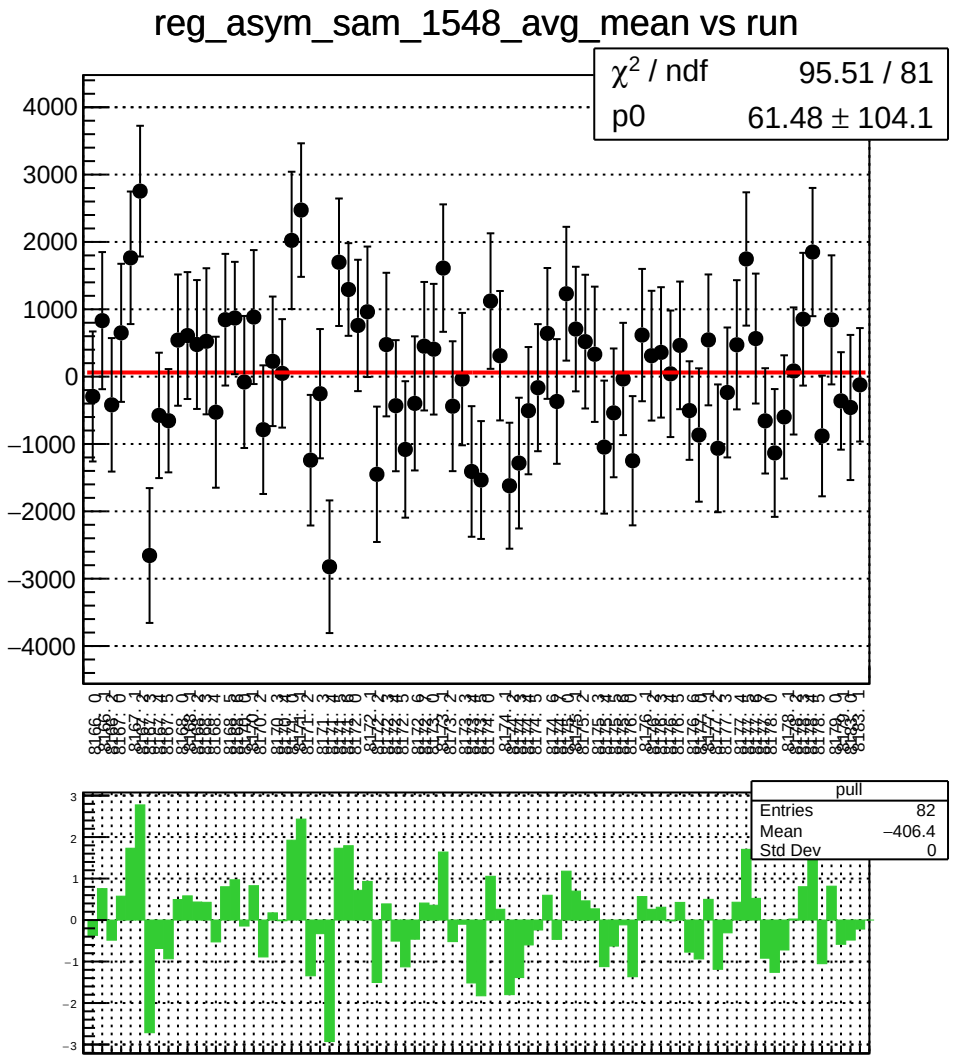

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.9 / 81
p0 0.05637 ± 0.06325
pull
Entries 82
Mean −938.1
Std Dev 0
pull1D
Entries 82
Mean 0.003171
Std Dev 1.012

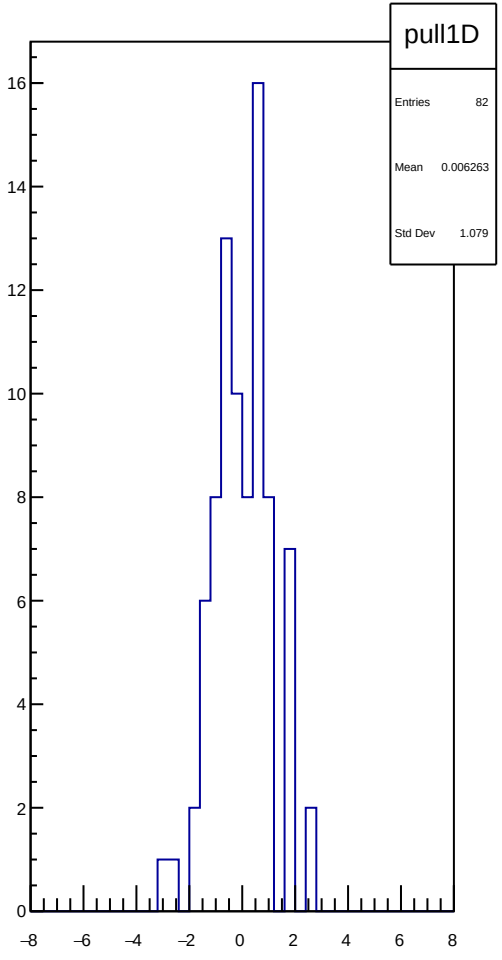

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3374 / 81
p0 56.21 ± 0.04473
75
70
65
60
55
50

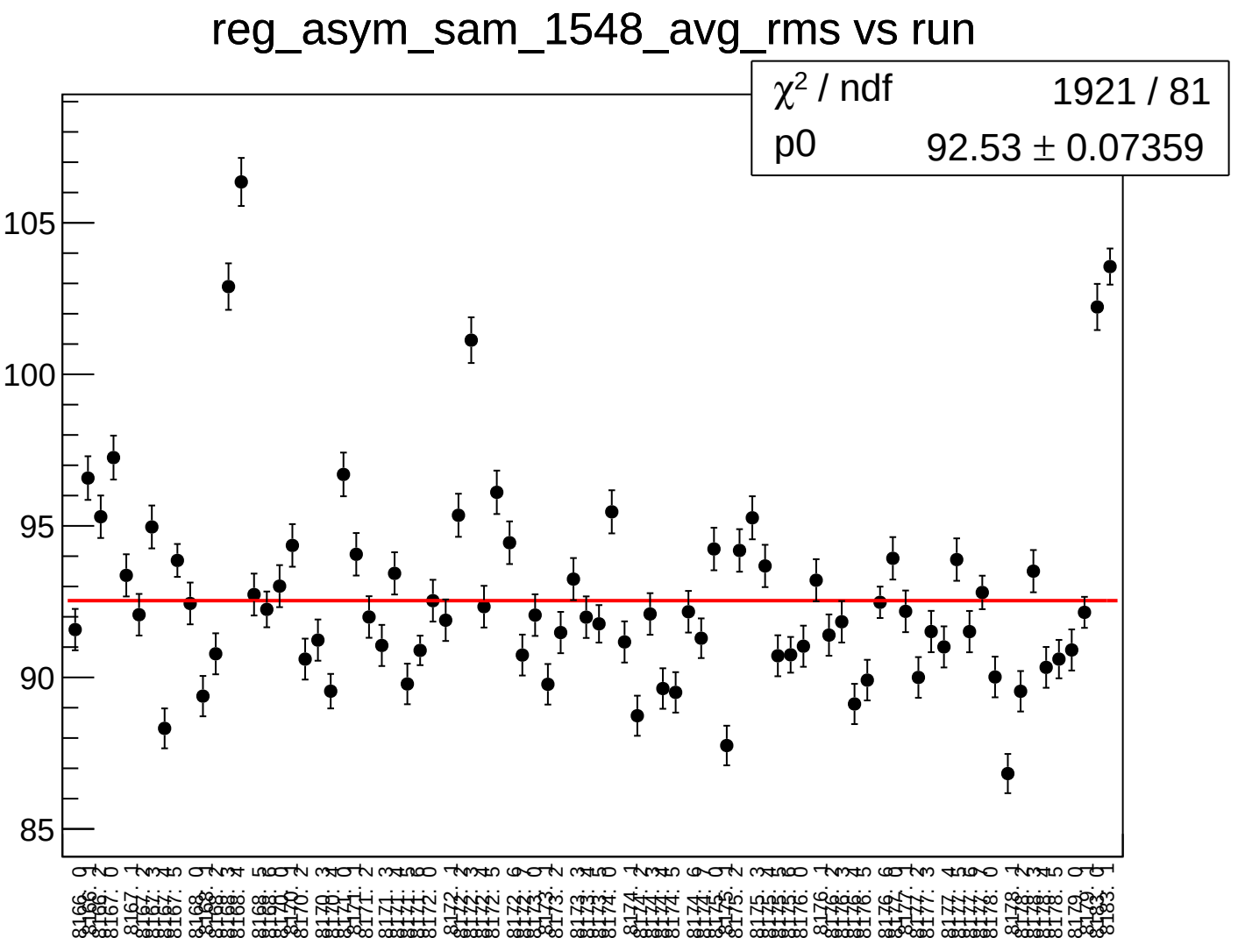

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.93 / 81
p0 4.038e−15 ± 2.686e−14
pull
Entries 82
Mean 80.44
Std Dev 77.44


pull1D
Entries 82
Mean 0.01619
Std Dev 0.9429

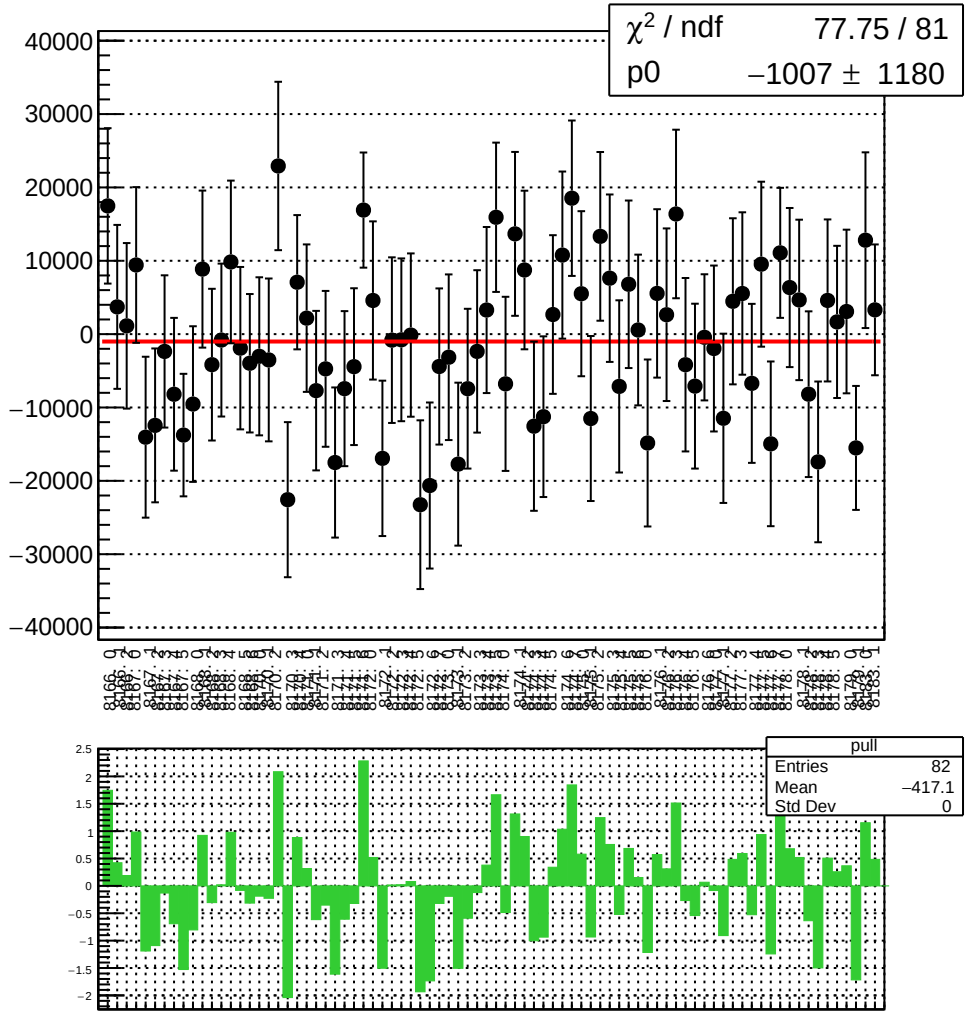

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.909e+05 / 81
p0 1.985e−11 ± 1.899e−14
90
80
70
60
50
40
30
20
10

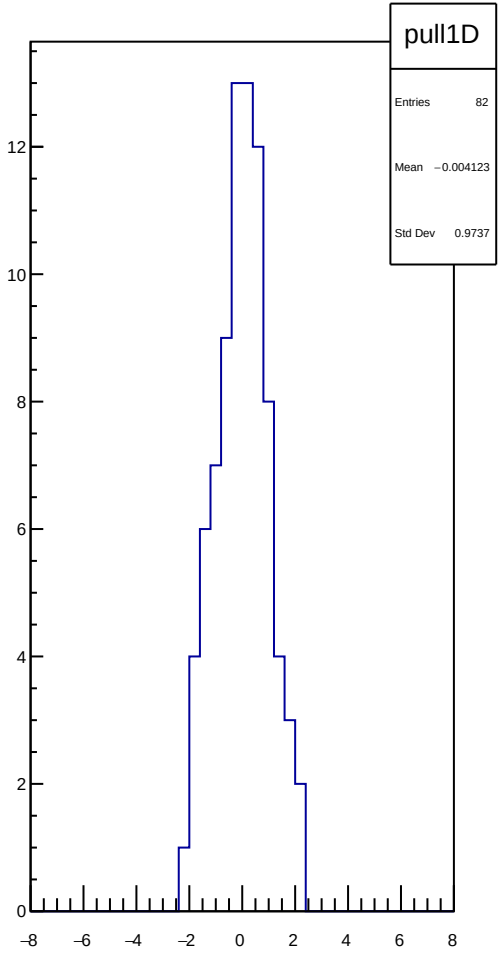

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 95.51 / 81
p0 61.48 ± 104.1
pull
Entries 82
Mean −406.4
Std Dev 0

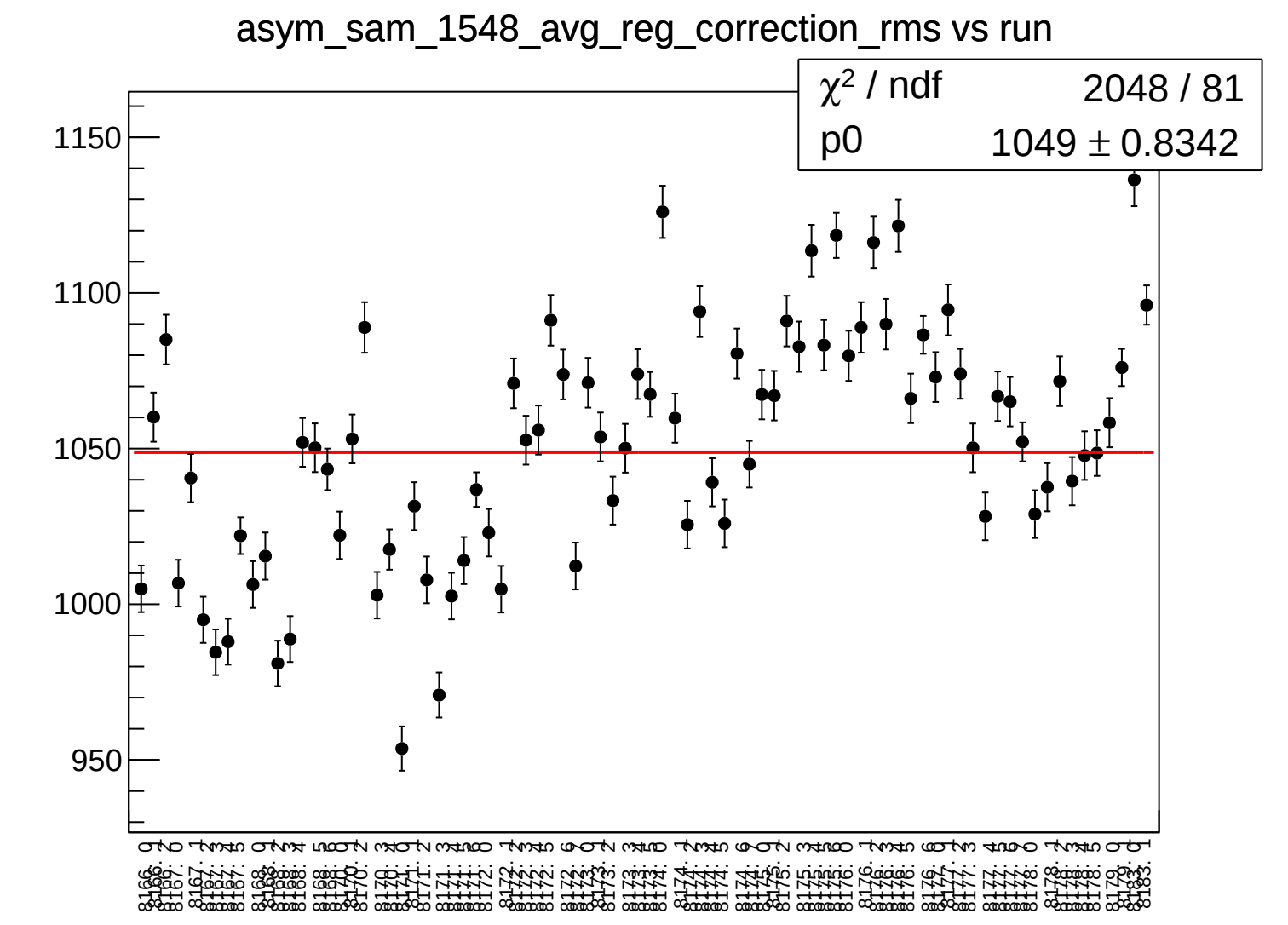

pull1D
Entries 82
Mean 0.006263
Std Dev 1.079

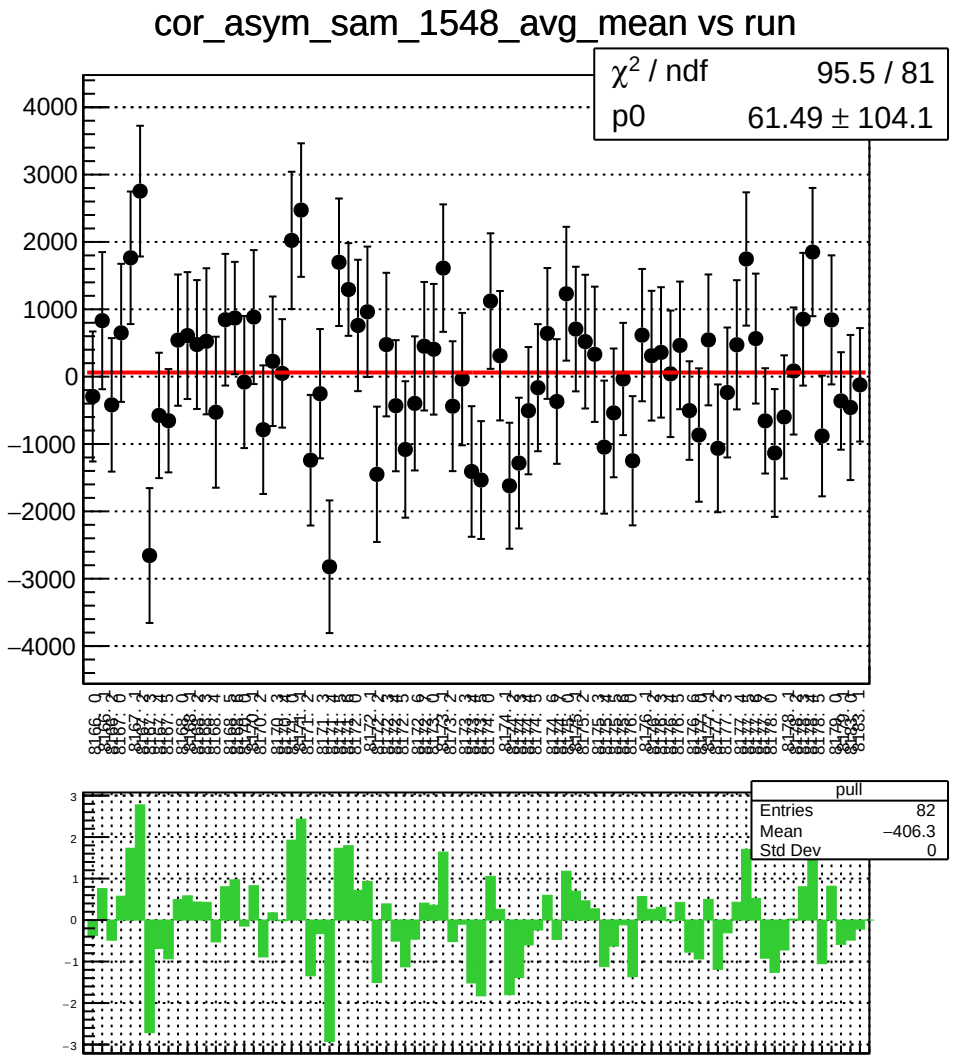

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 1921 / 81
p0 92.53 ± 0.07359
105
100
95
90
85

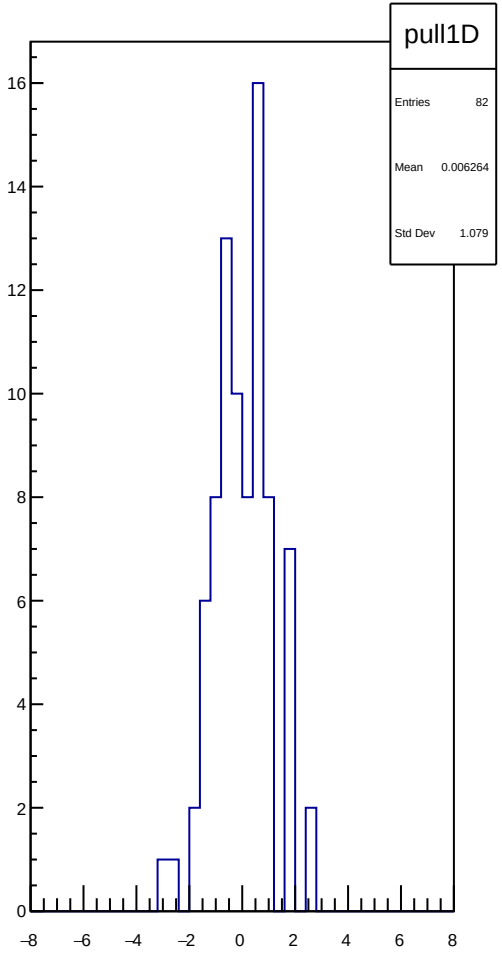
asym_sam_1548_avg_reg_correction_mean vs run

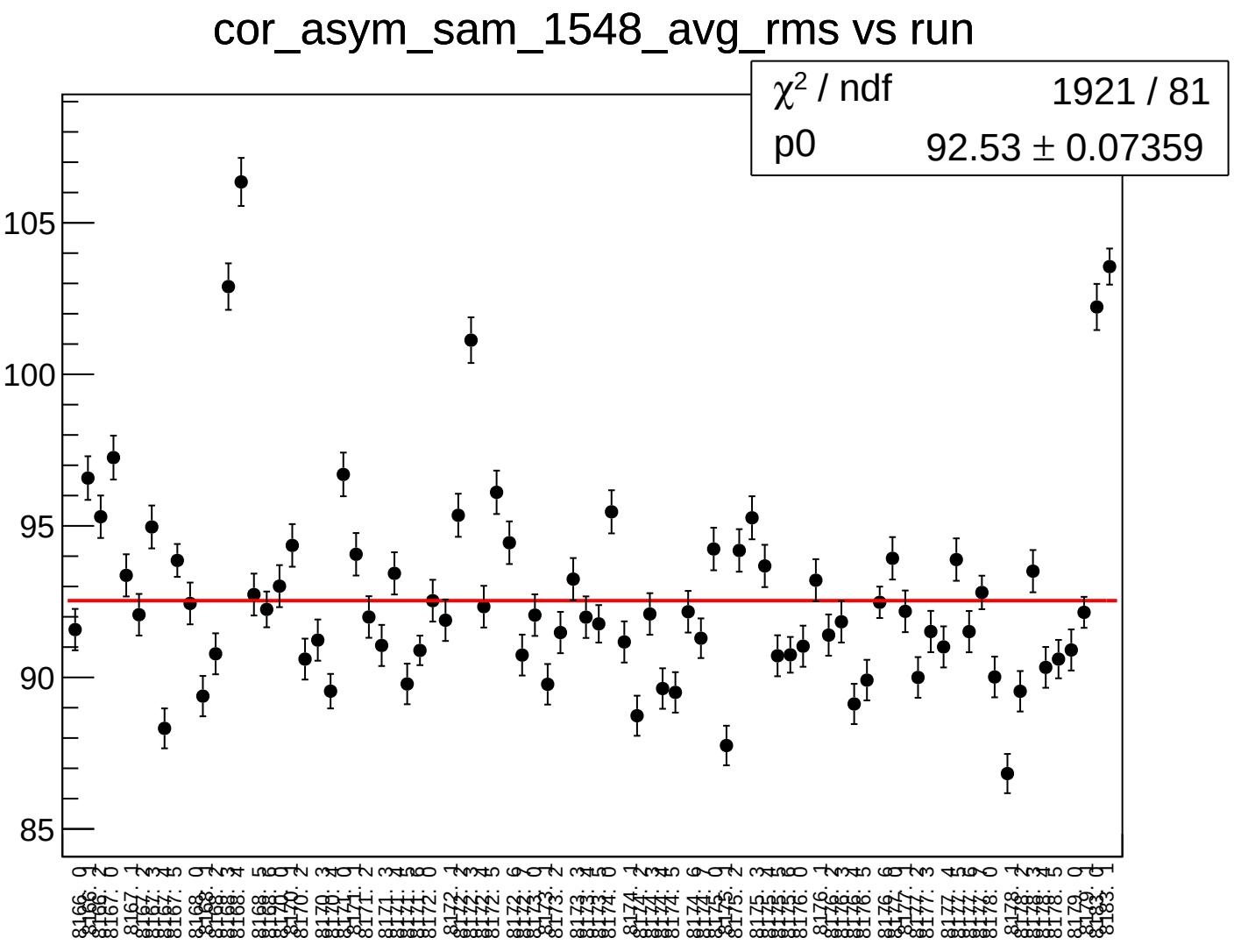


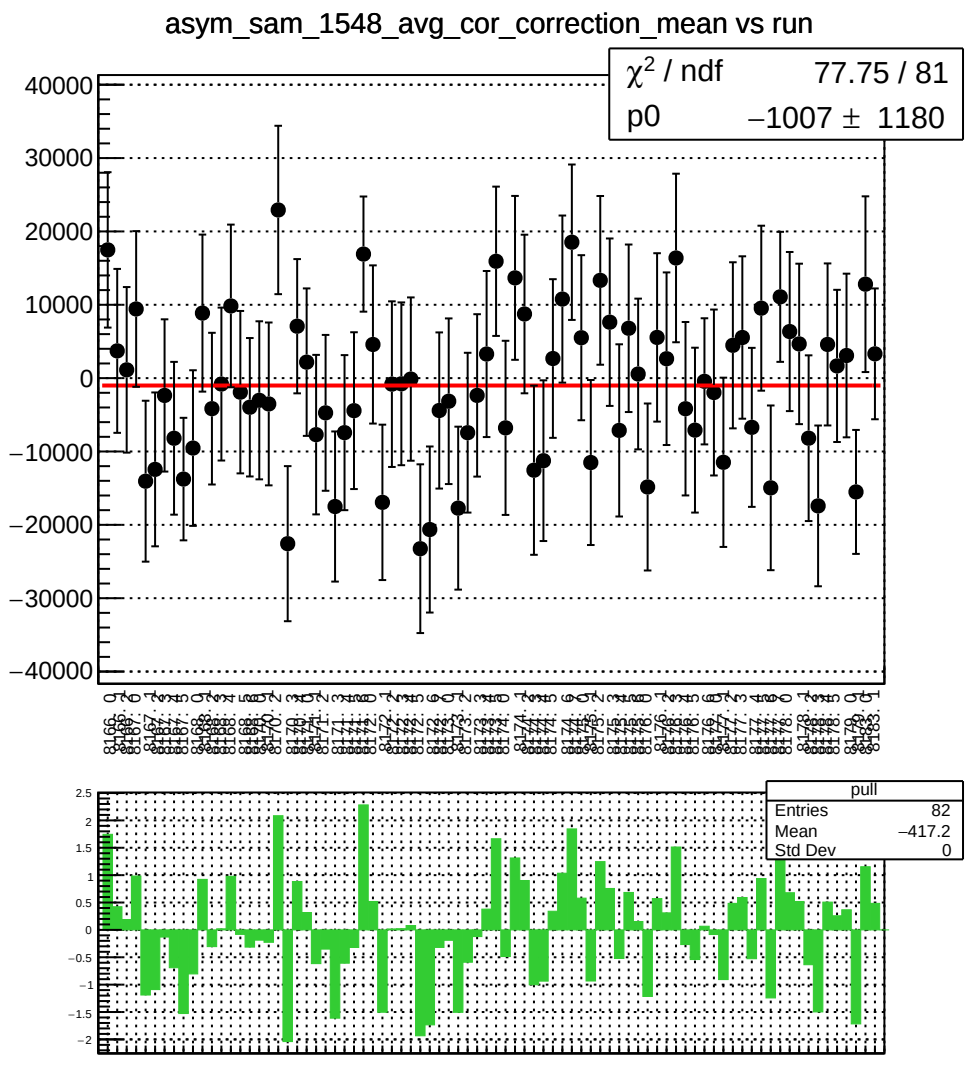


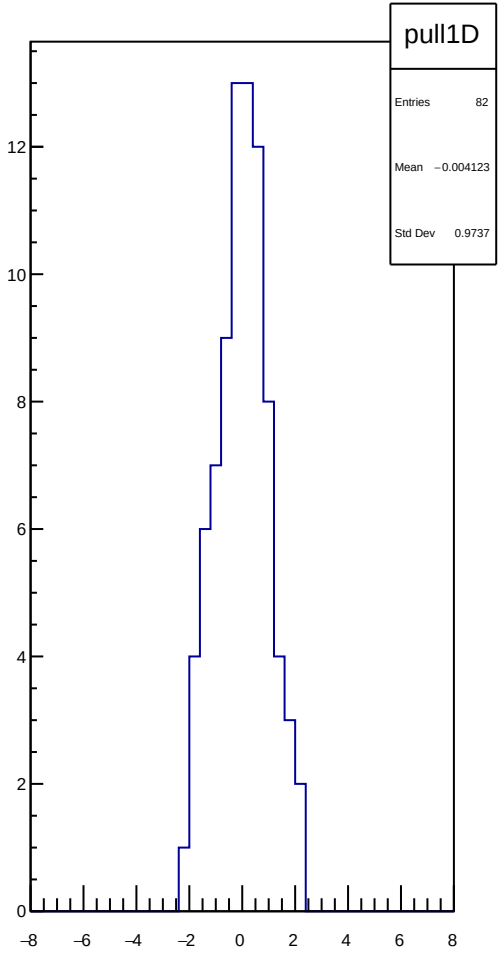

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 2048 / 81
p0 1049 ± 0.8342
1150
1100
1050
1000
950

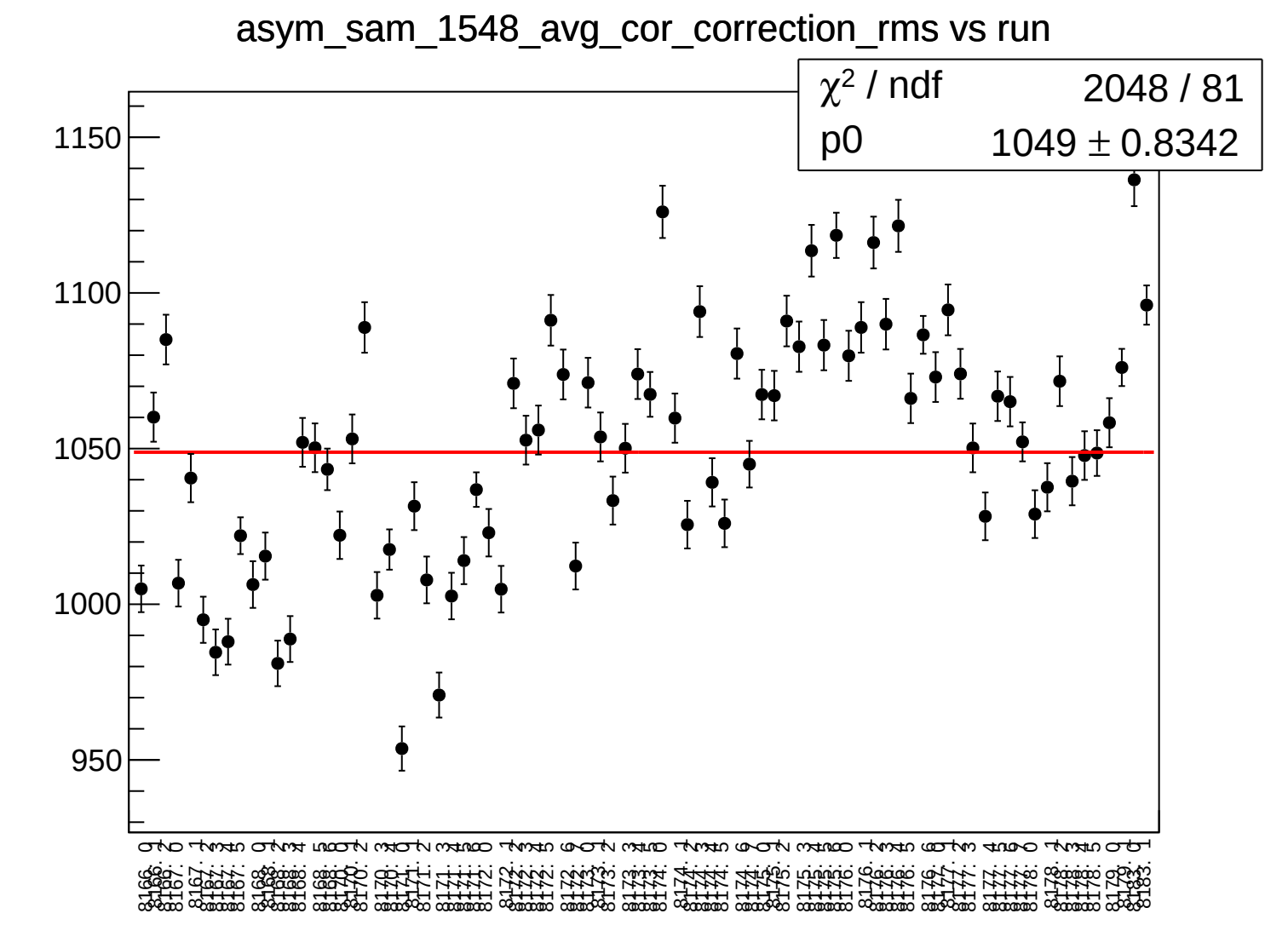

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 95.5 / 81
p0 61.49 ± 104.1
pull
Entries 82
Mean −406.3
Std Dev 0

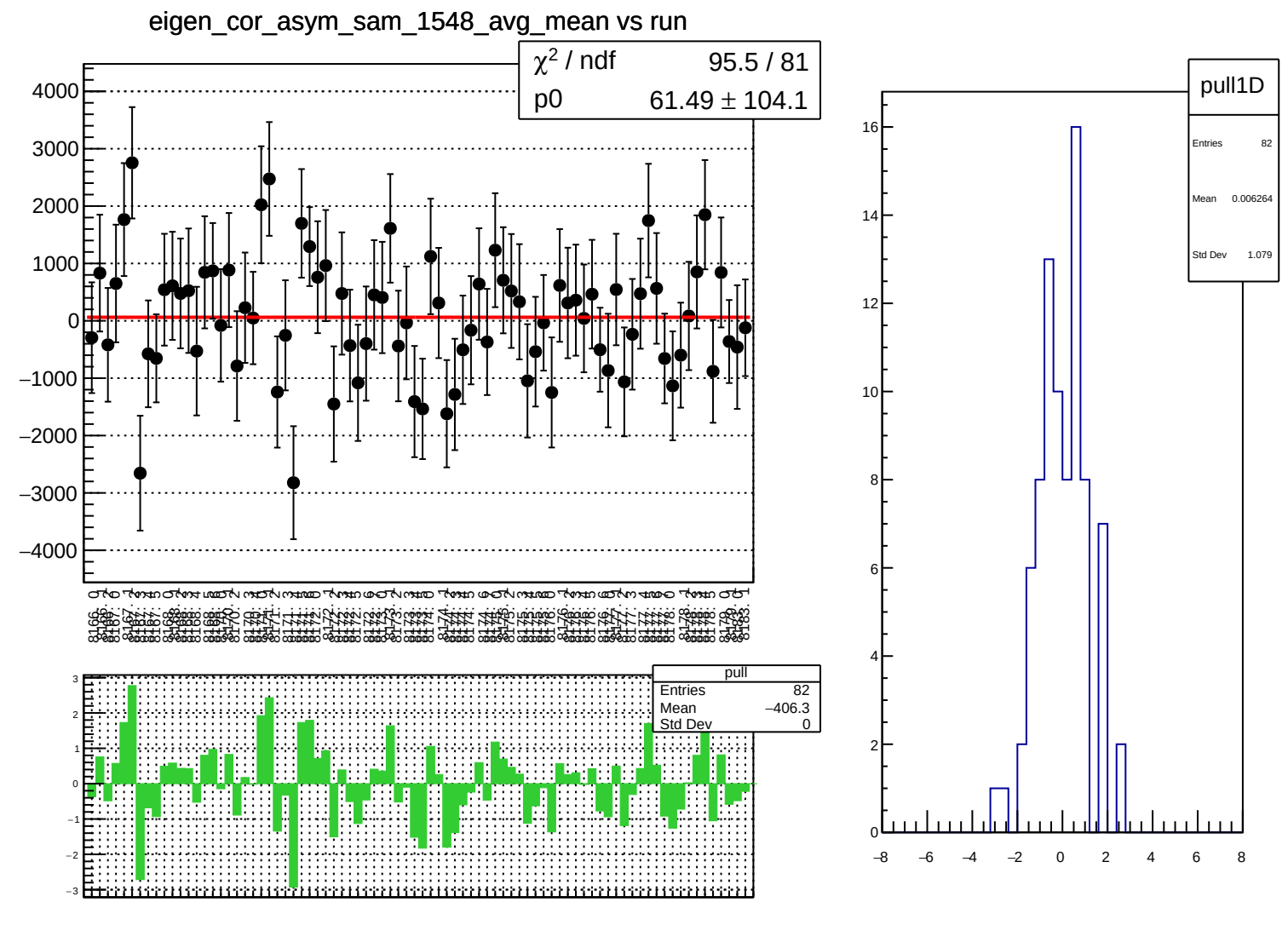

pull1D
Entries 82
Mean 0.006264
Std Dev 1.079

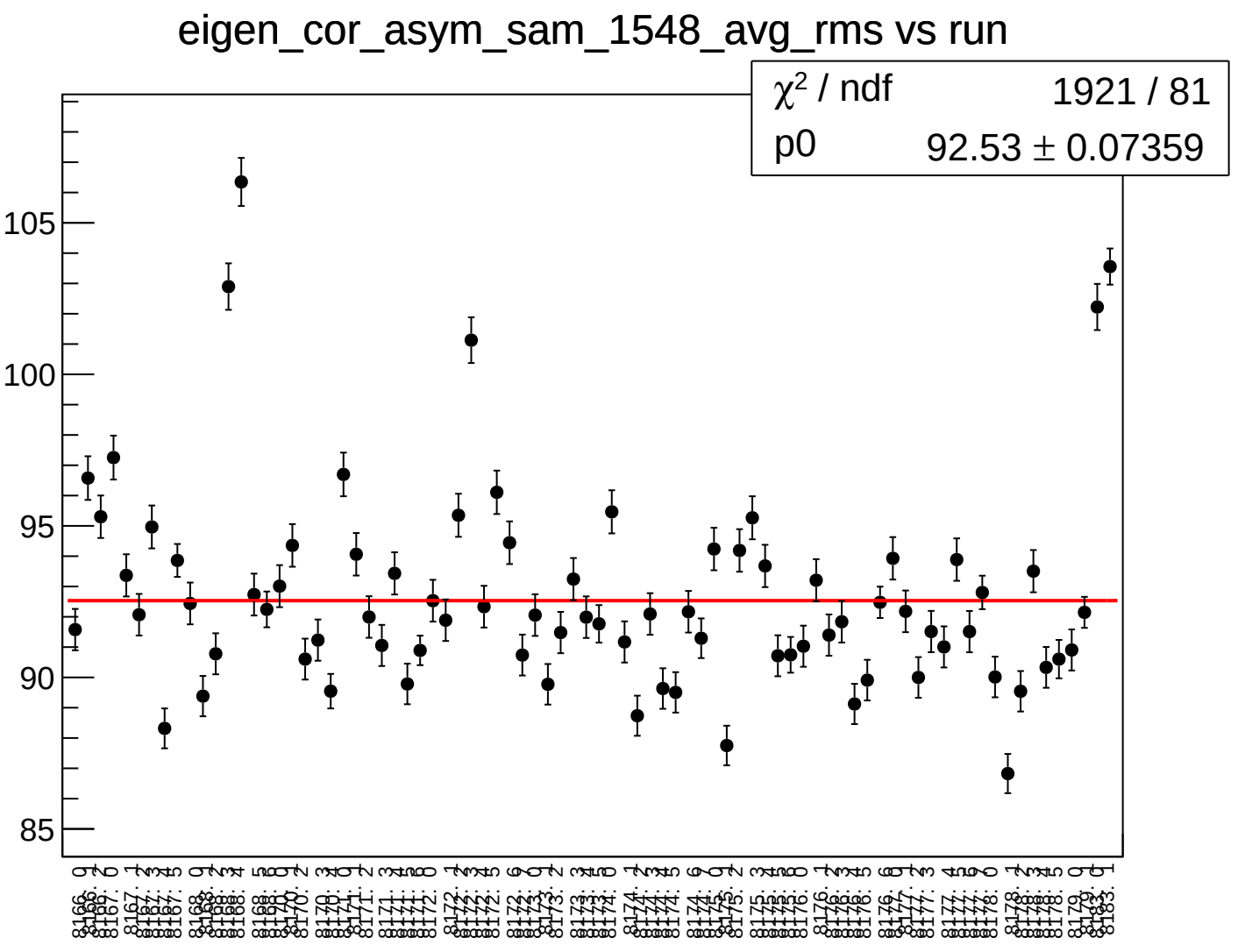

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1921 / 81
p0 92.53 ± 0.07359
105
100
95
90
85

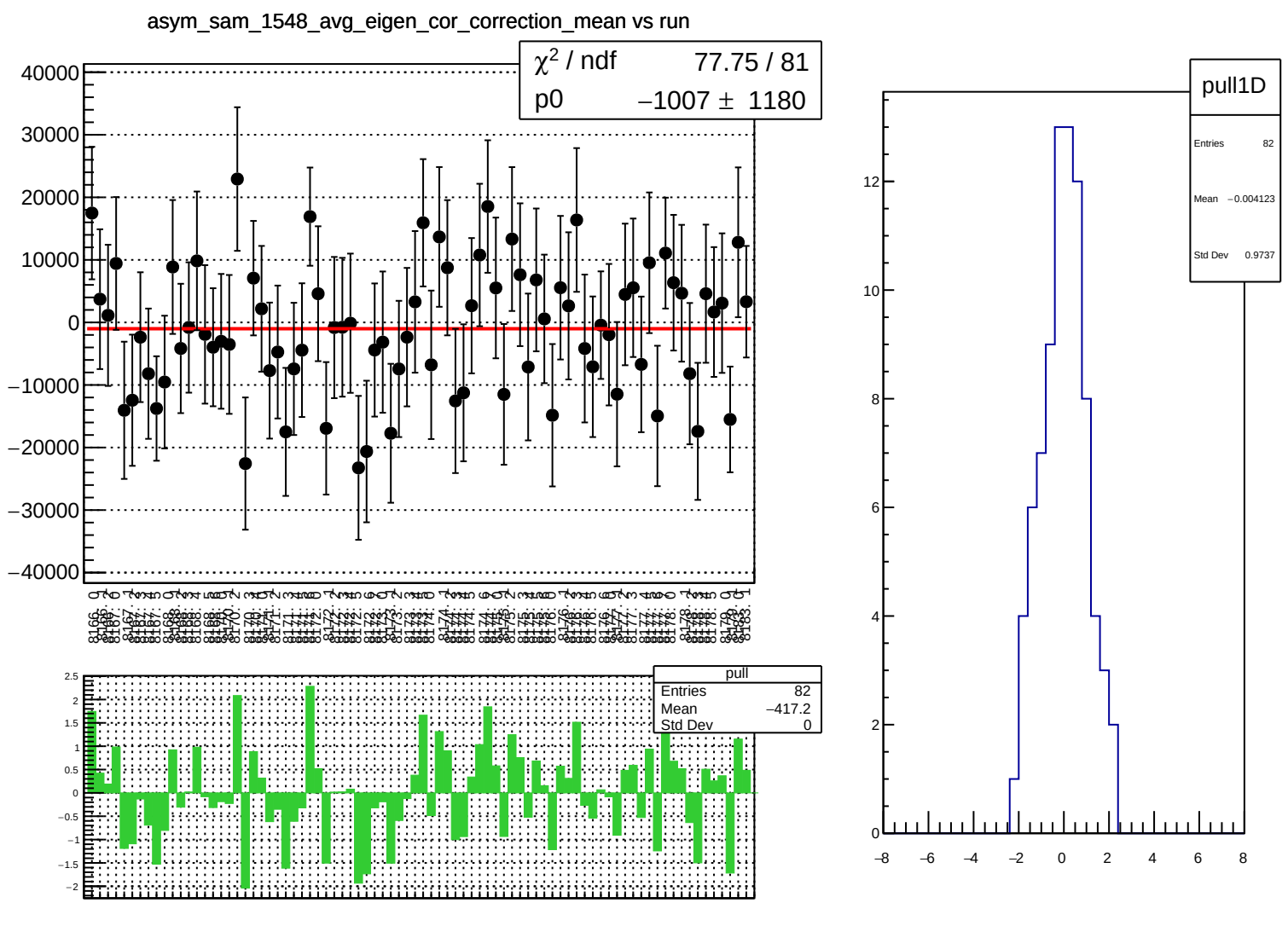

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 77.75 / 81
p0 −1007 ± 1180
pull
Entries 82
Mean −417.2
Std Dev 0

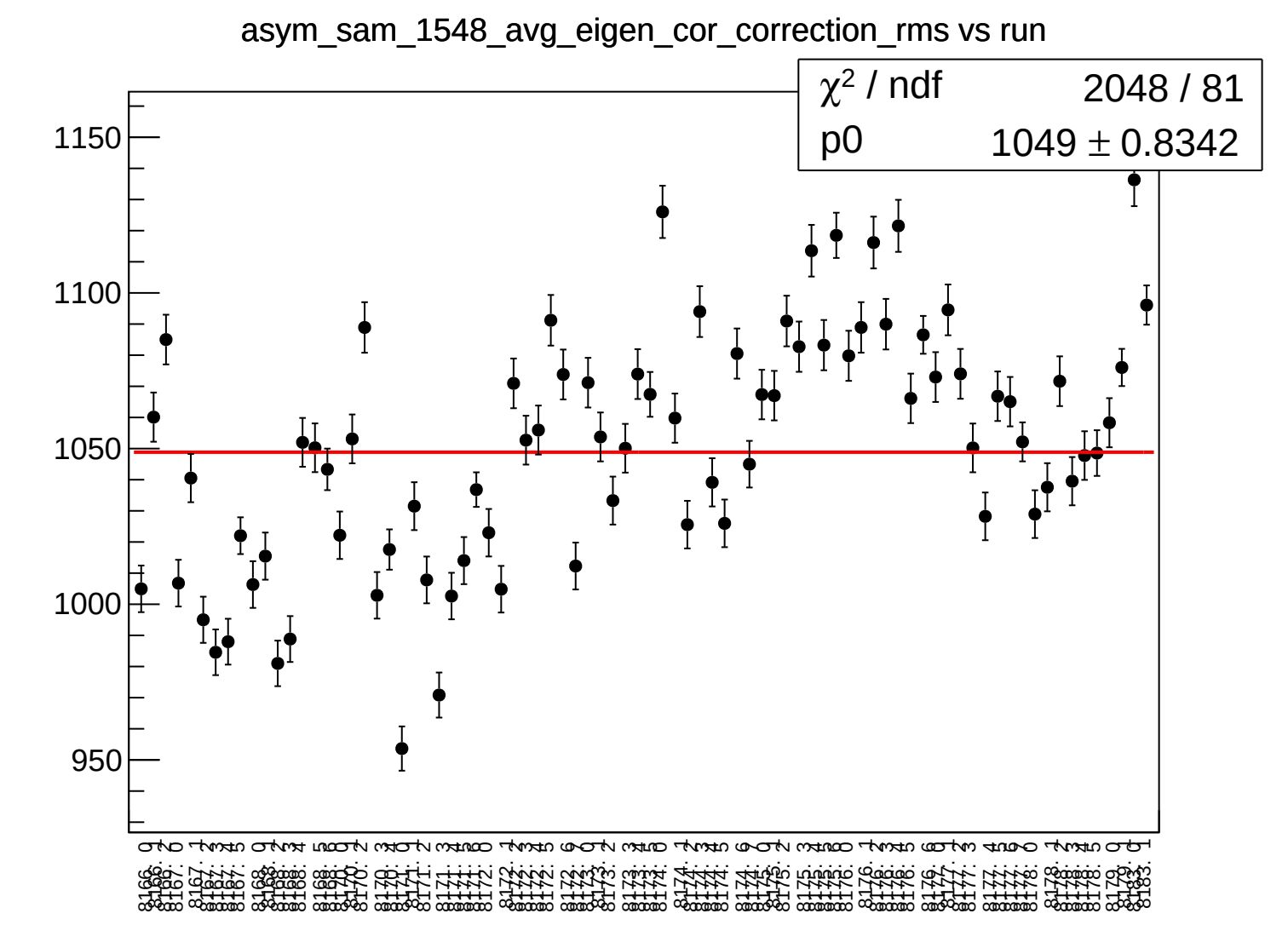

pull1D
Entries 82
Mean −0.004123
Std Dev 0.9737

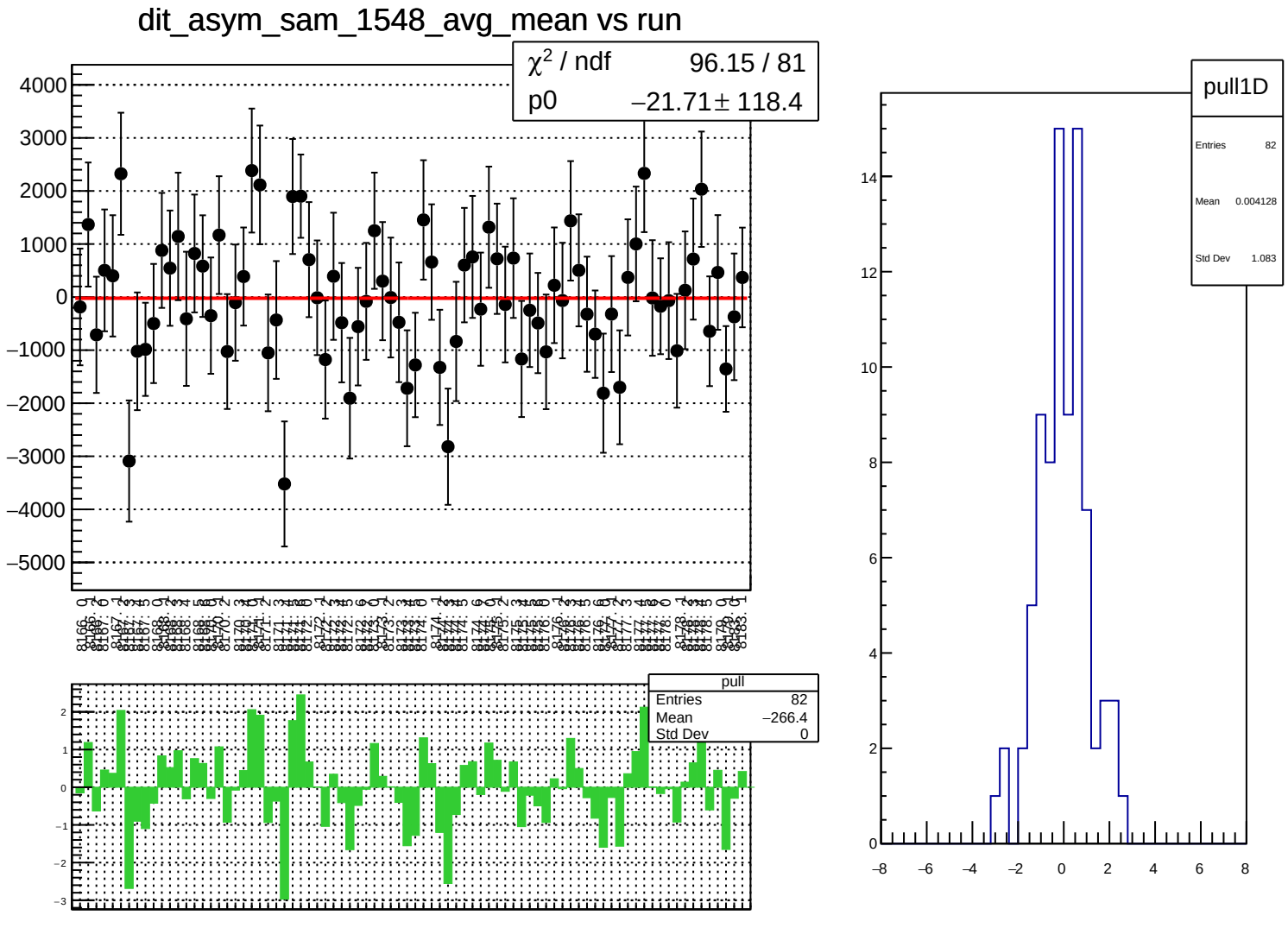

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 2048 / 81
p0 1049 ± 0.8342
1150
1100
1050
1000
950

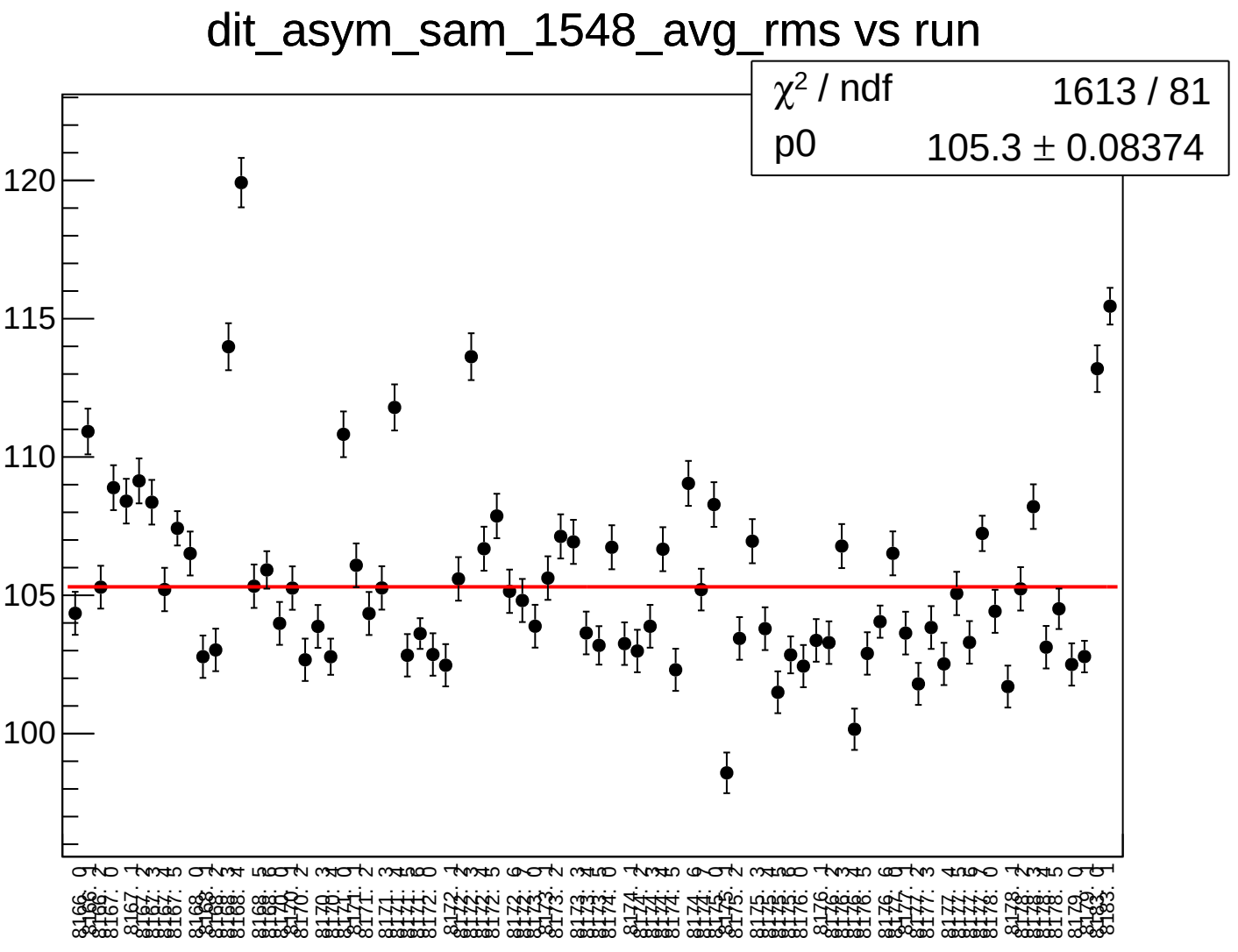

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 95.5 / 81
p0 61.49 ± 104.1
pull
Entries 82
Mean −406.3
Std Dev 0
pull1D
Entries 82
Mean 0.006264
Std Dev 1.079

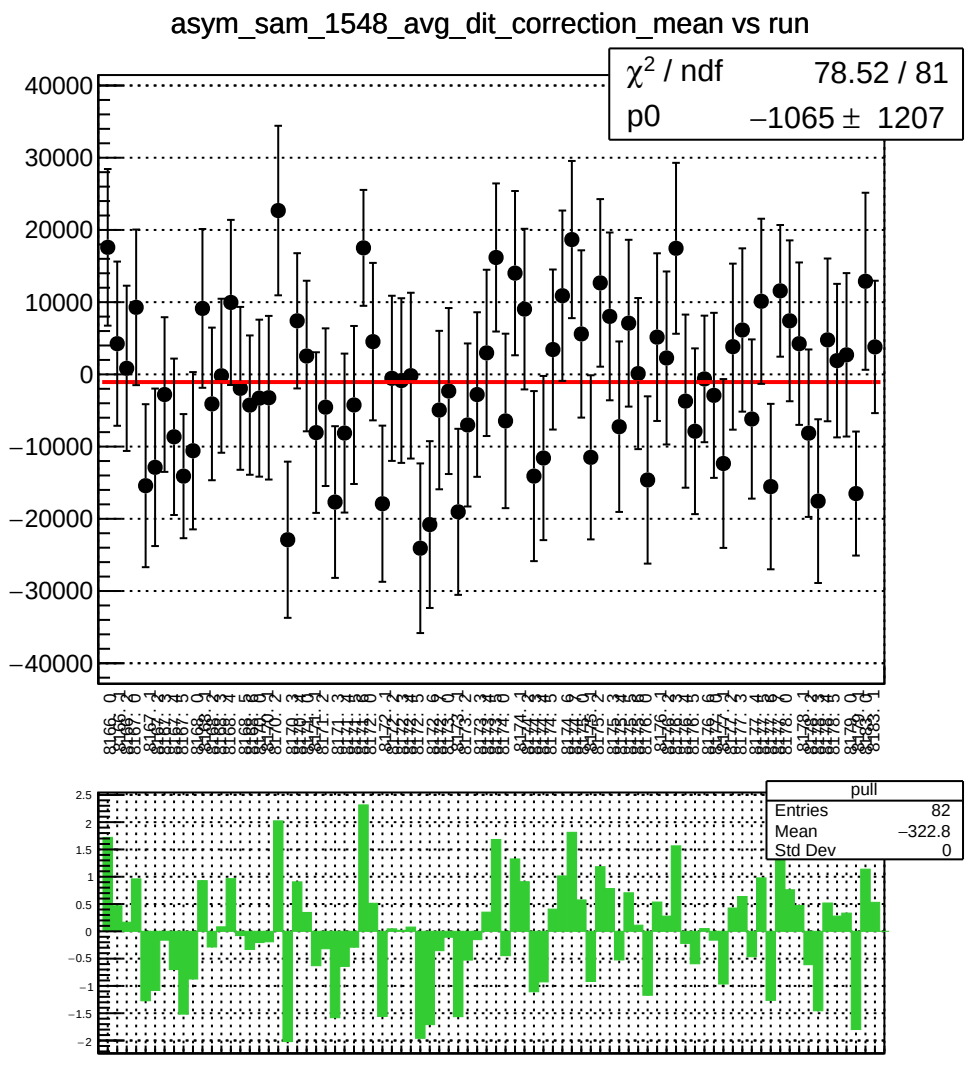

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 1921 / 81
p0 92.53 ± 0.07359
105
100
95
90
85

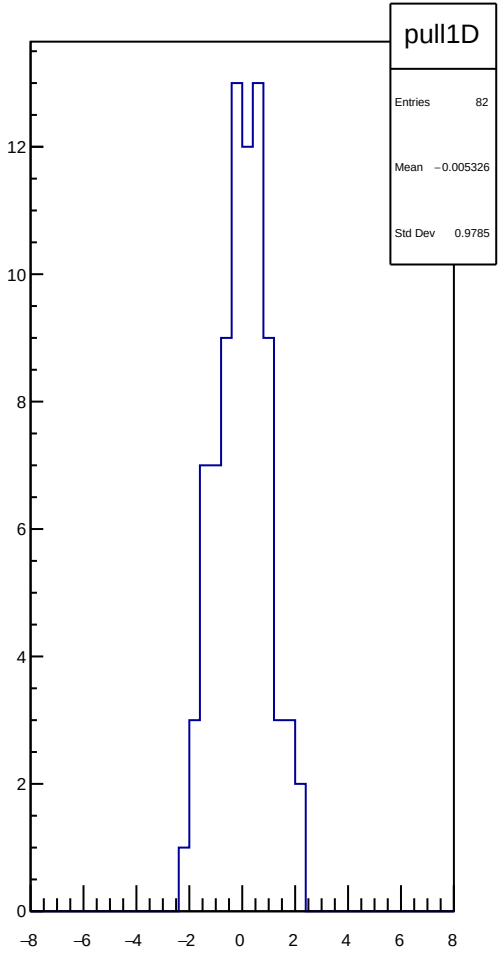

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.75 / 81
p0 −1007 ± 1180
pull
Entries 82
Mean −417.2
Std Dev 0
pull1D
Entries 82
Mean −0.004123
Std Dev 0.9737

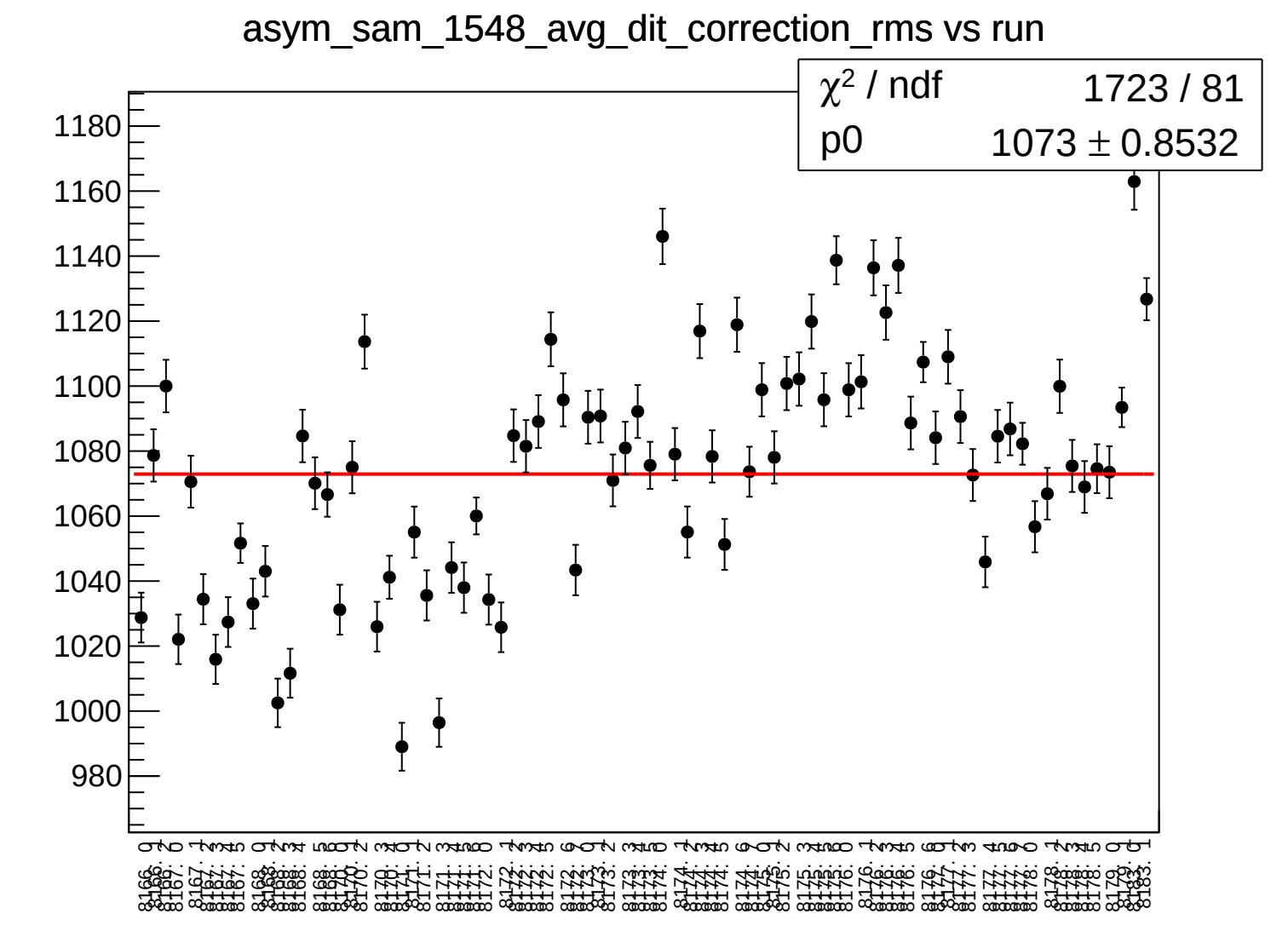

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 2048 / 81
p0 1049 ± 0.8342
1150
1100
1050
1000
950

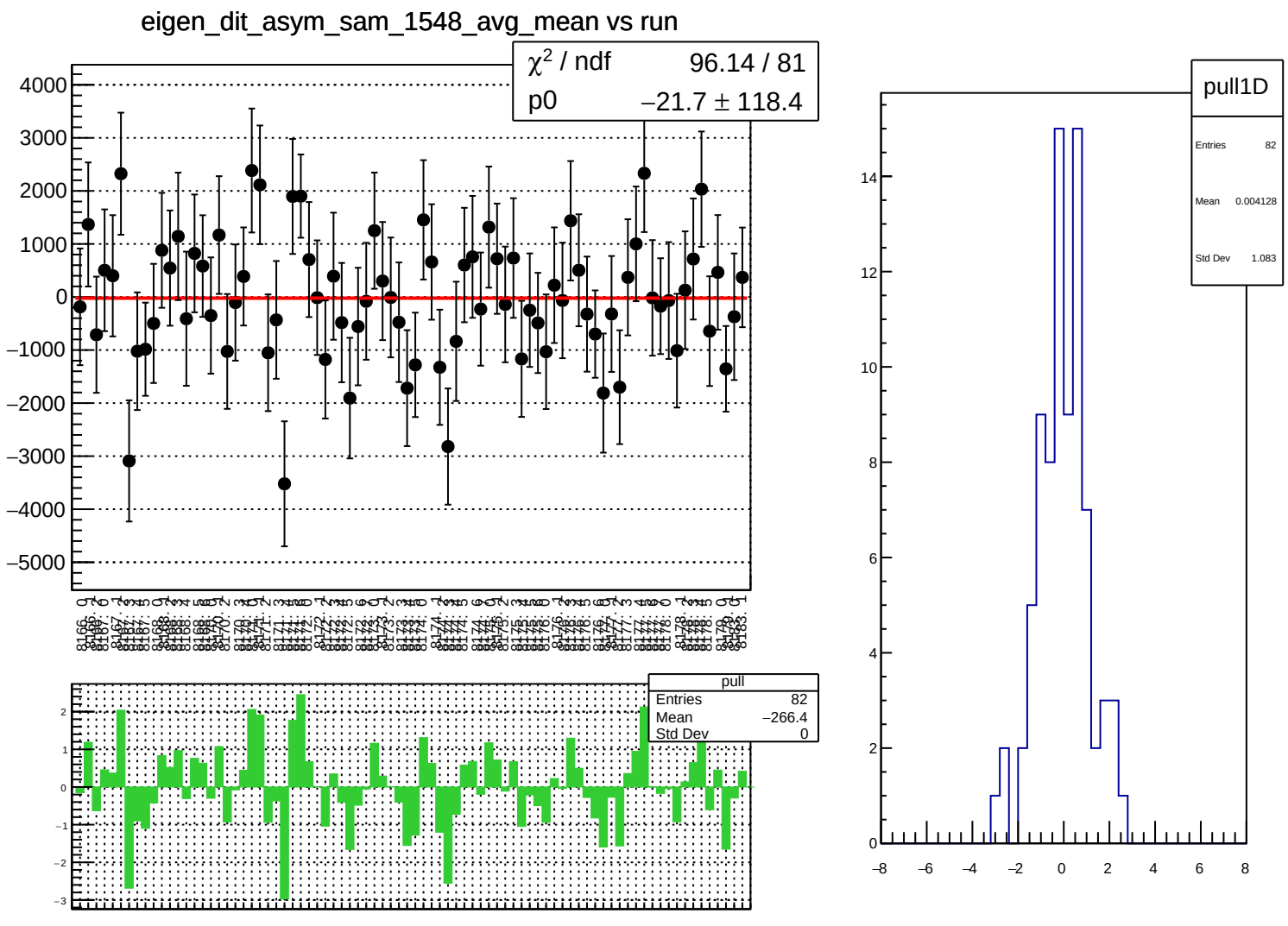

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 96.15 / 81
p0 −21.71± 118.4
pull
Entries 82
Mean −266.4
Std Dev 0
pull1D
Entries 82
Mean 0.004128
Std Dev 1.083

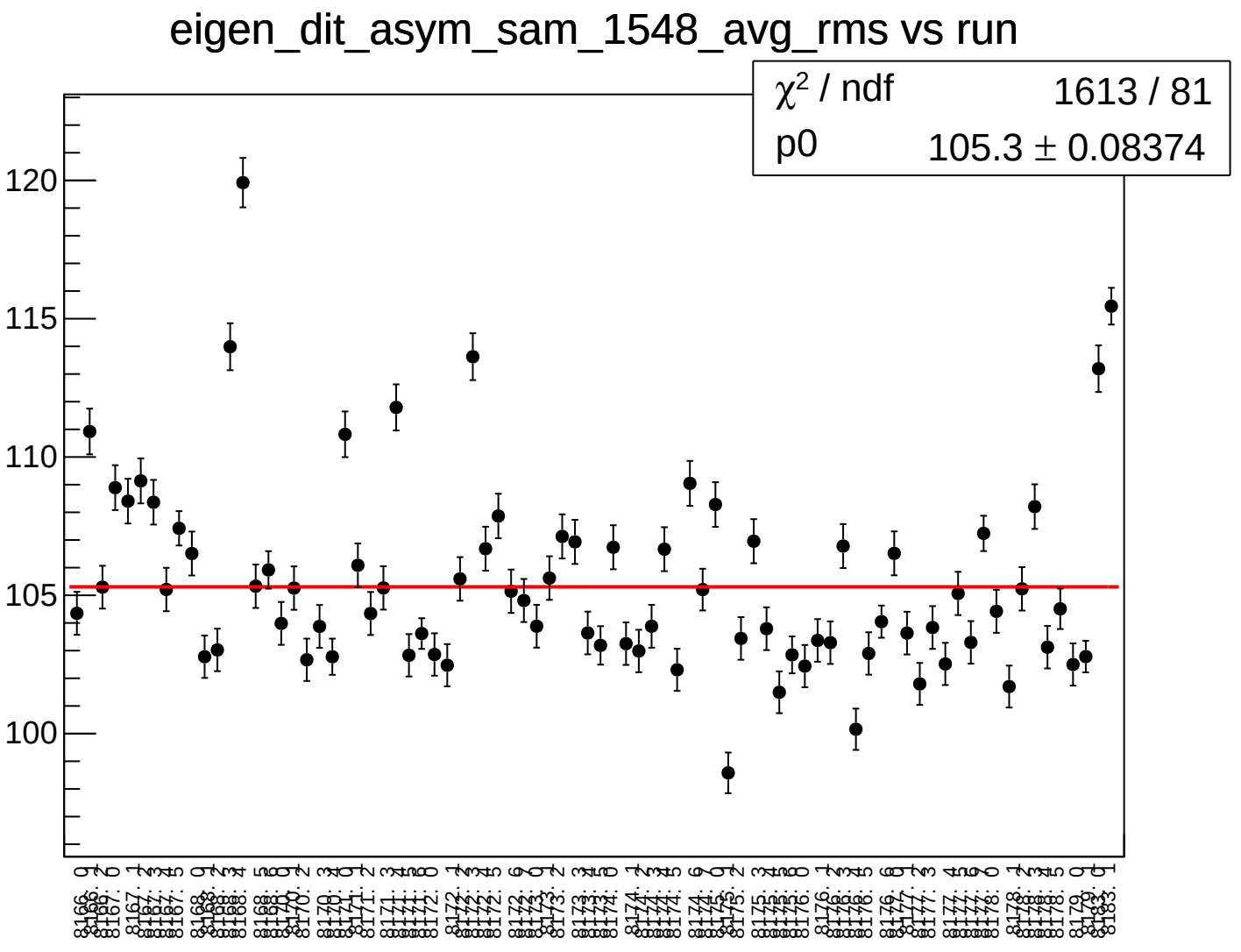

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1613 / 81
p0 105.3 ± 0.08374
120
115
110
105
100


asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 78.52 / 81
p0 −1065 ± 1207
pull
Entries 82
Mean −322.8
Std Dev 0

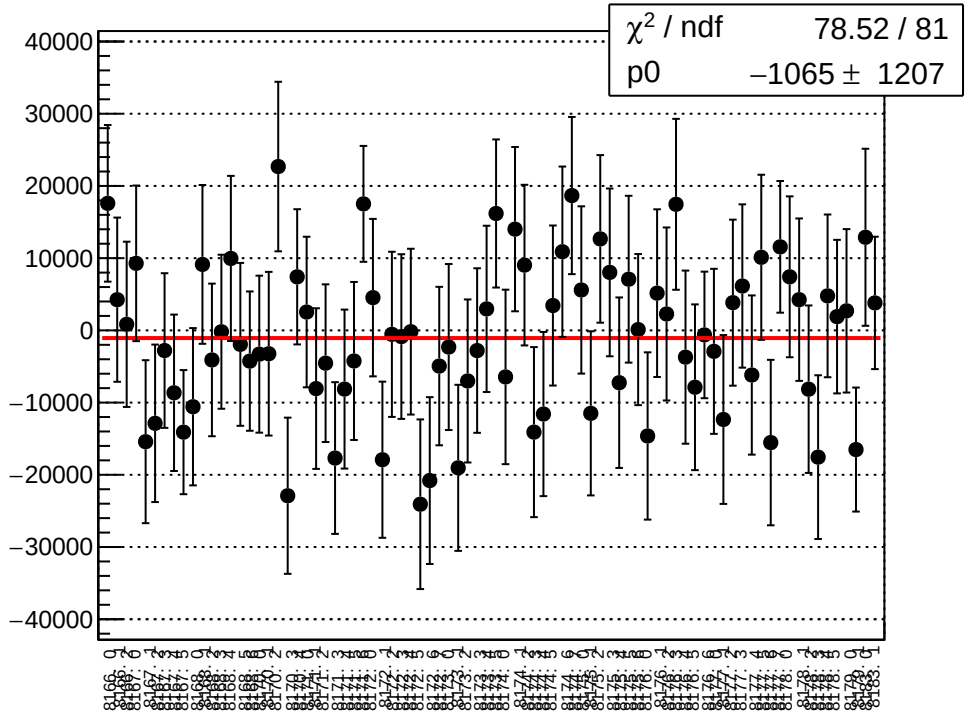

pull1D
Entries 82
Mean −0.005326
Std Dev 0.9785

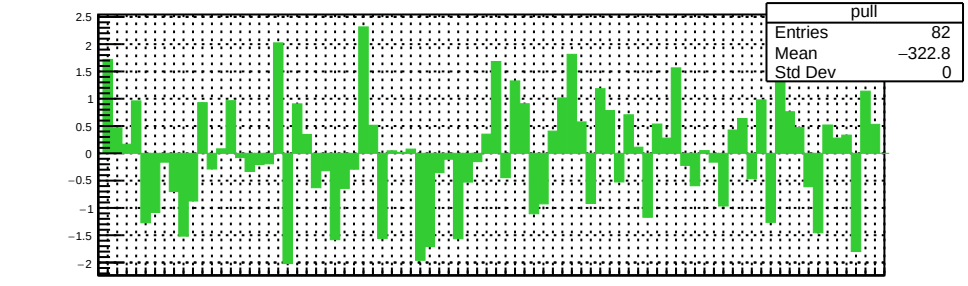

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1723 / 81
p0 1073 ± 0.8532
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

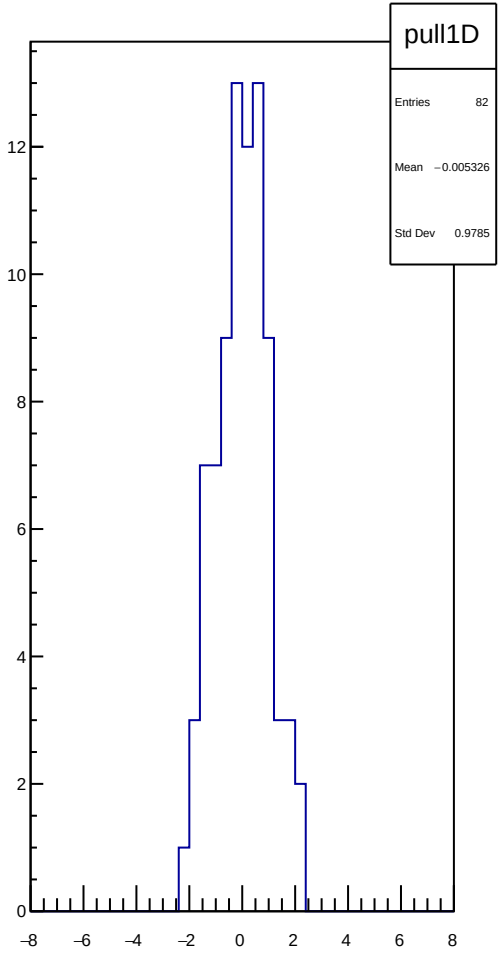

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 96.14 / 81
p0 −21.7 ± 118.4
pull
Entries 82
Mean −266.4
Std Dev 0
pull1D
Entries 82
Mean 0.004128
Std Dev 1.083

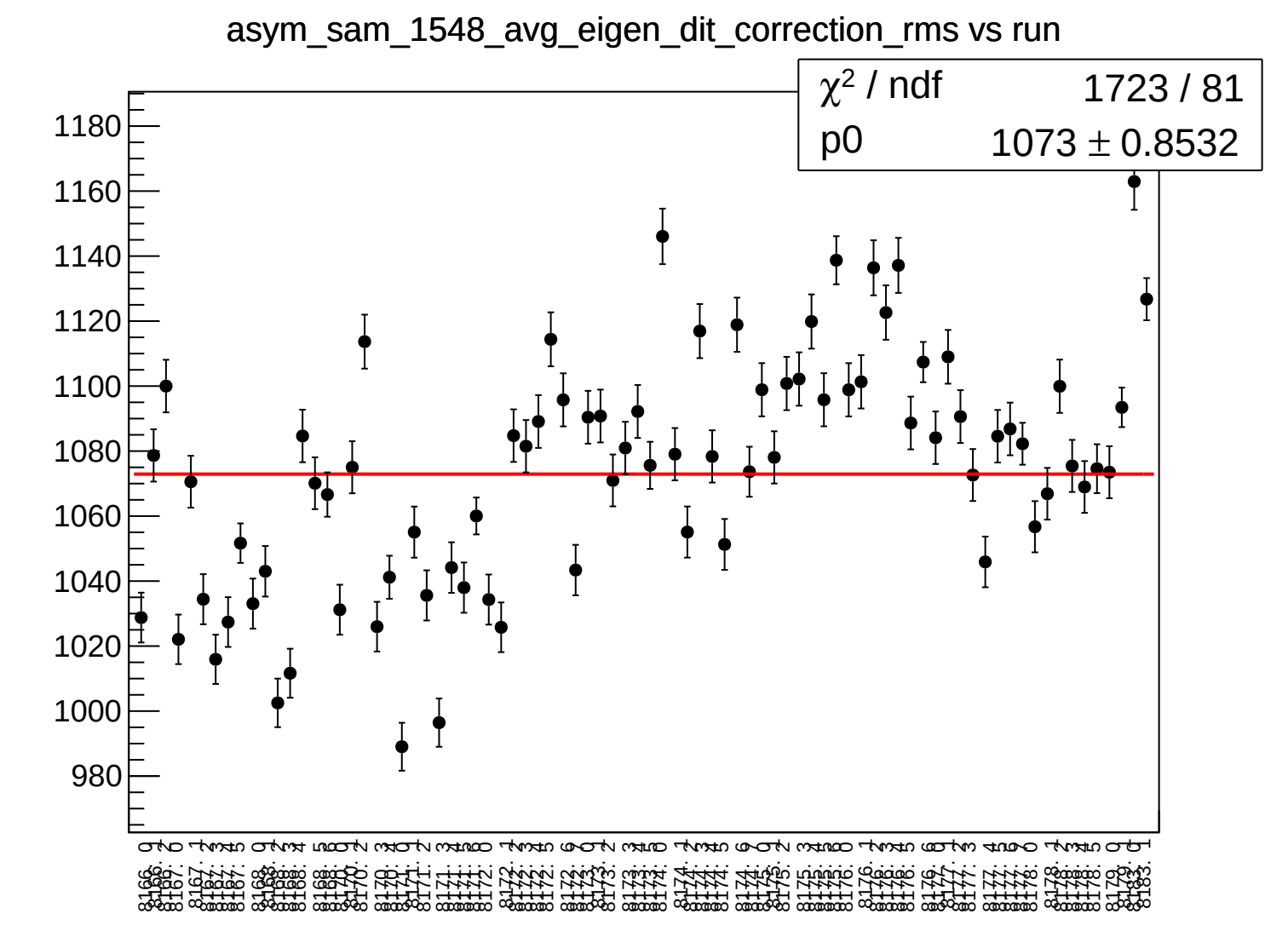

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1613 / 81
p0 105.3 ± 0.08374
120
115
110
105
100

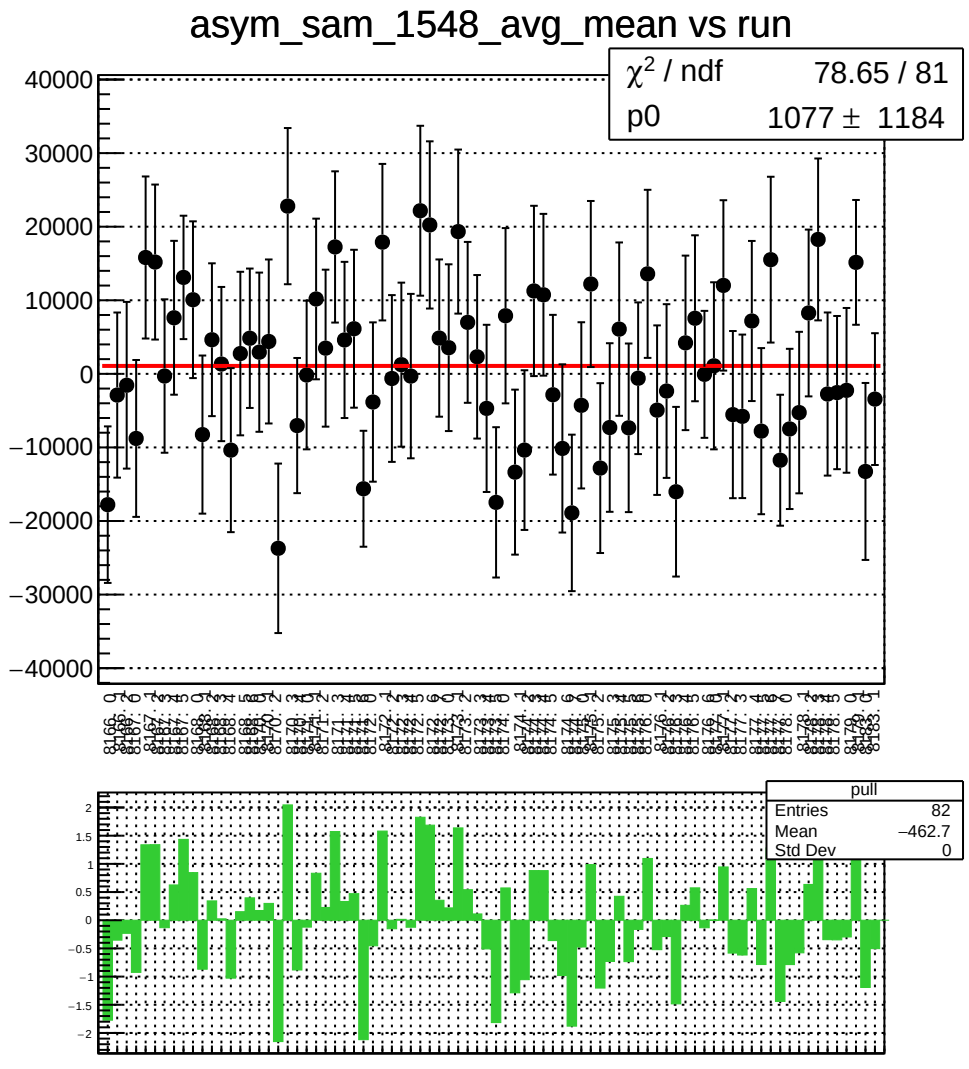
asym_sam_1548_avg_eigen_dit_correction_mean vs run

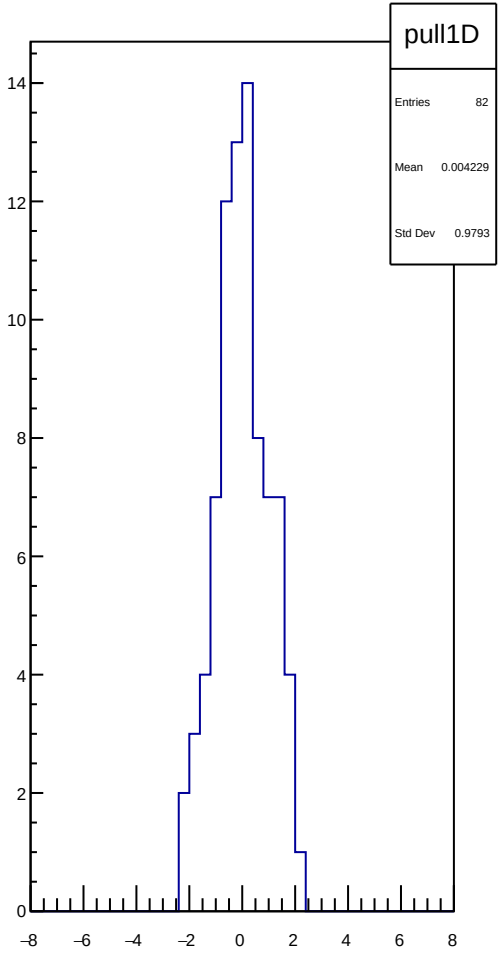


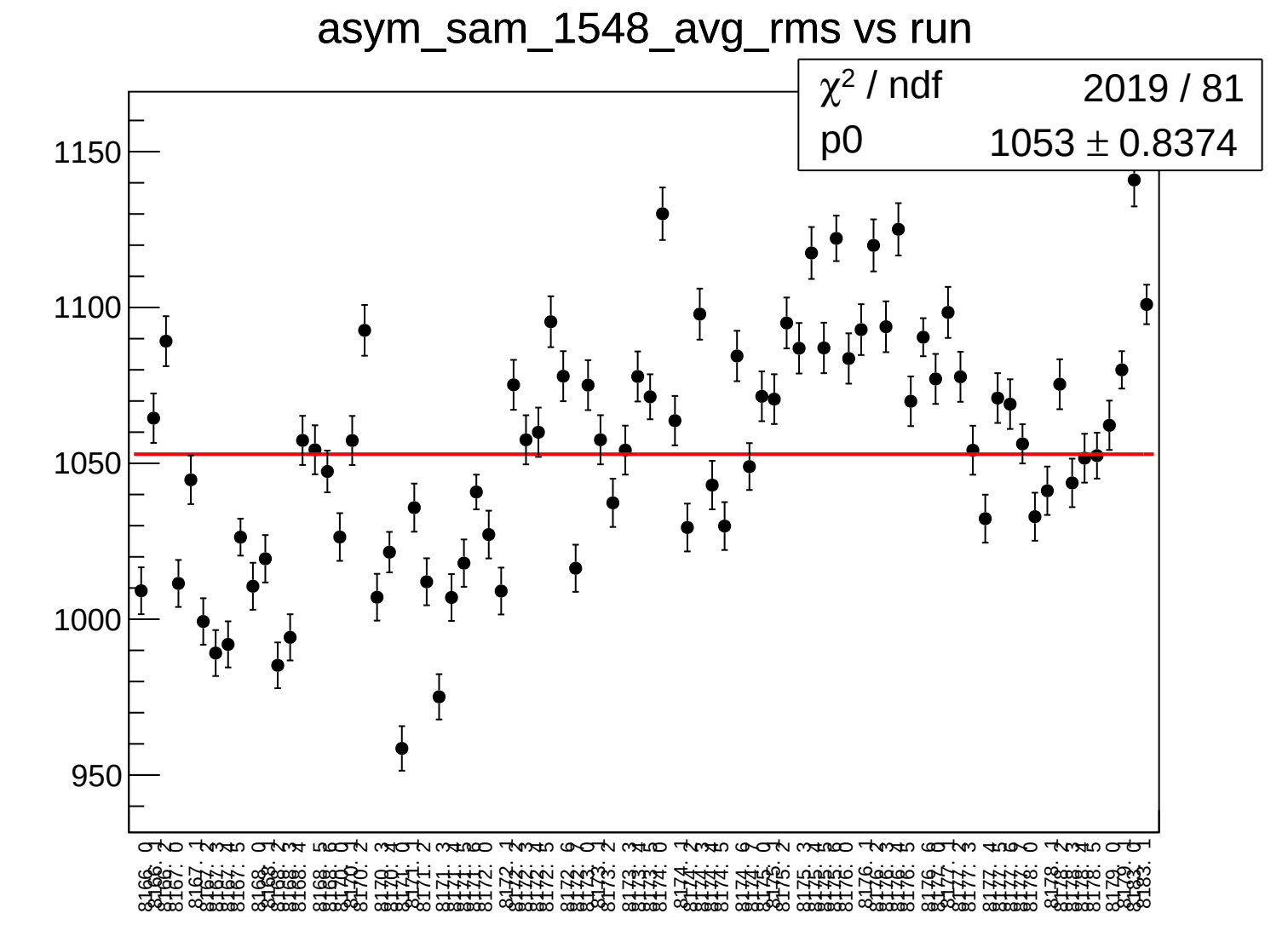


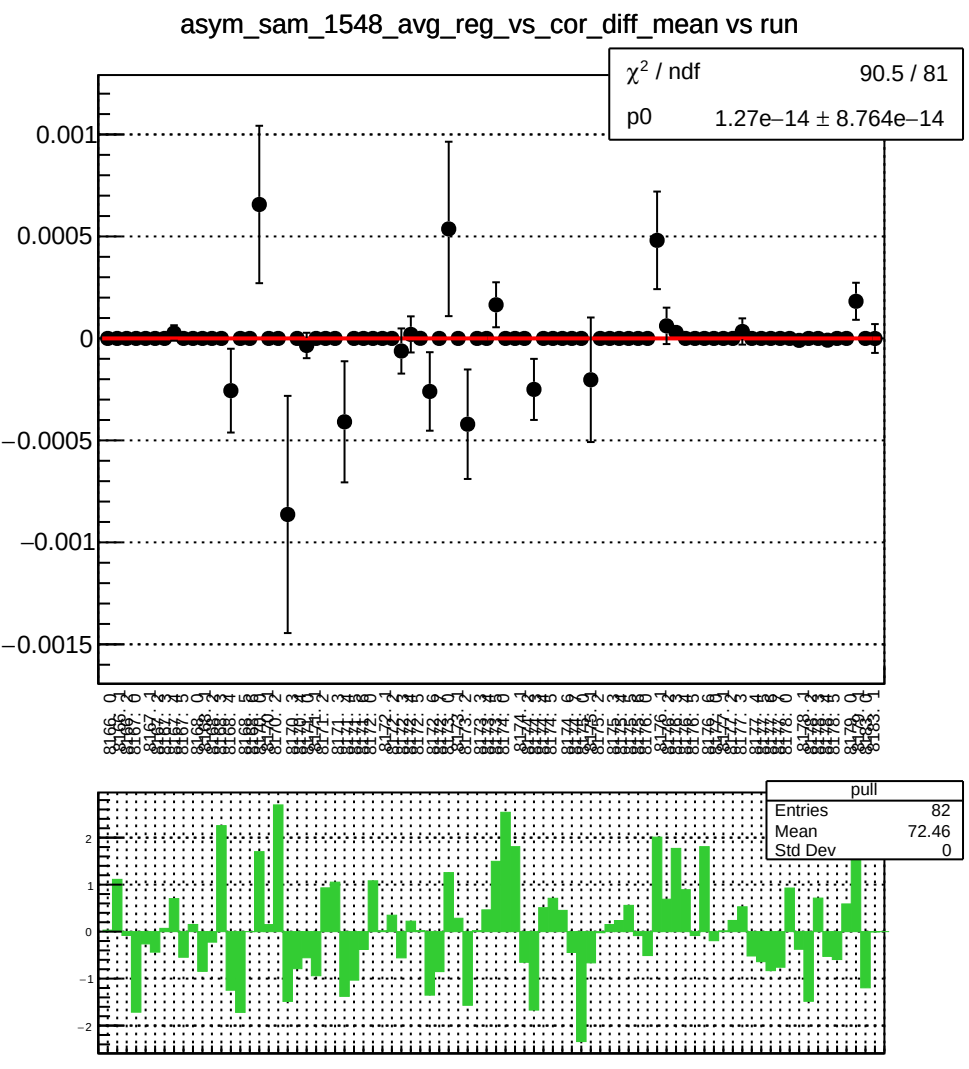


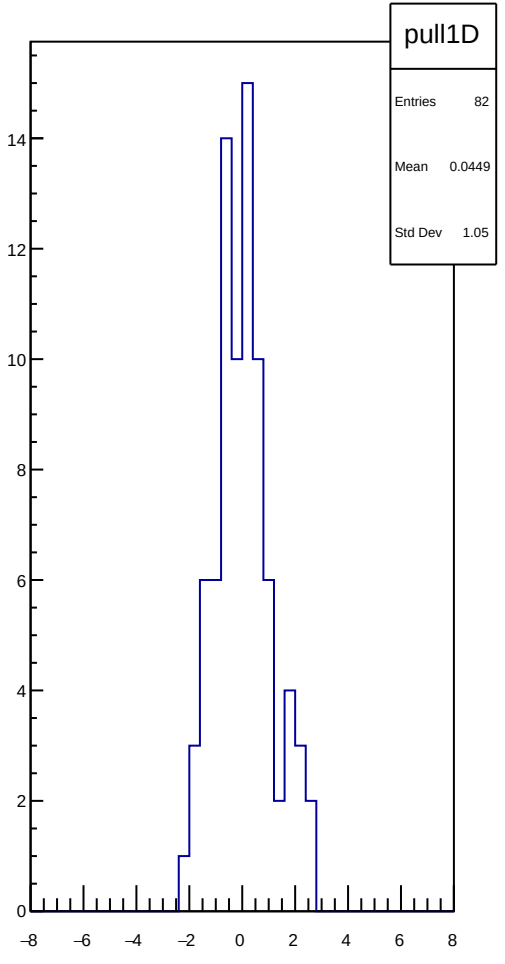

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1723 / 81
p0 1073 ± 0.8532
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

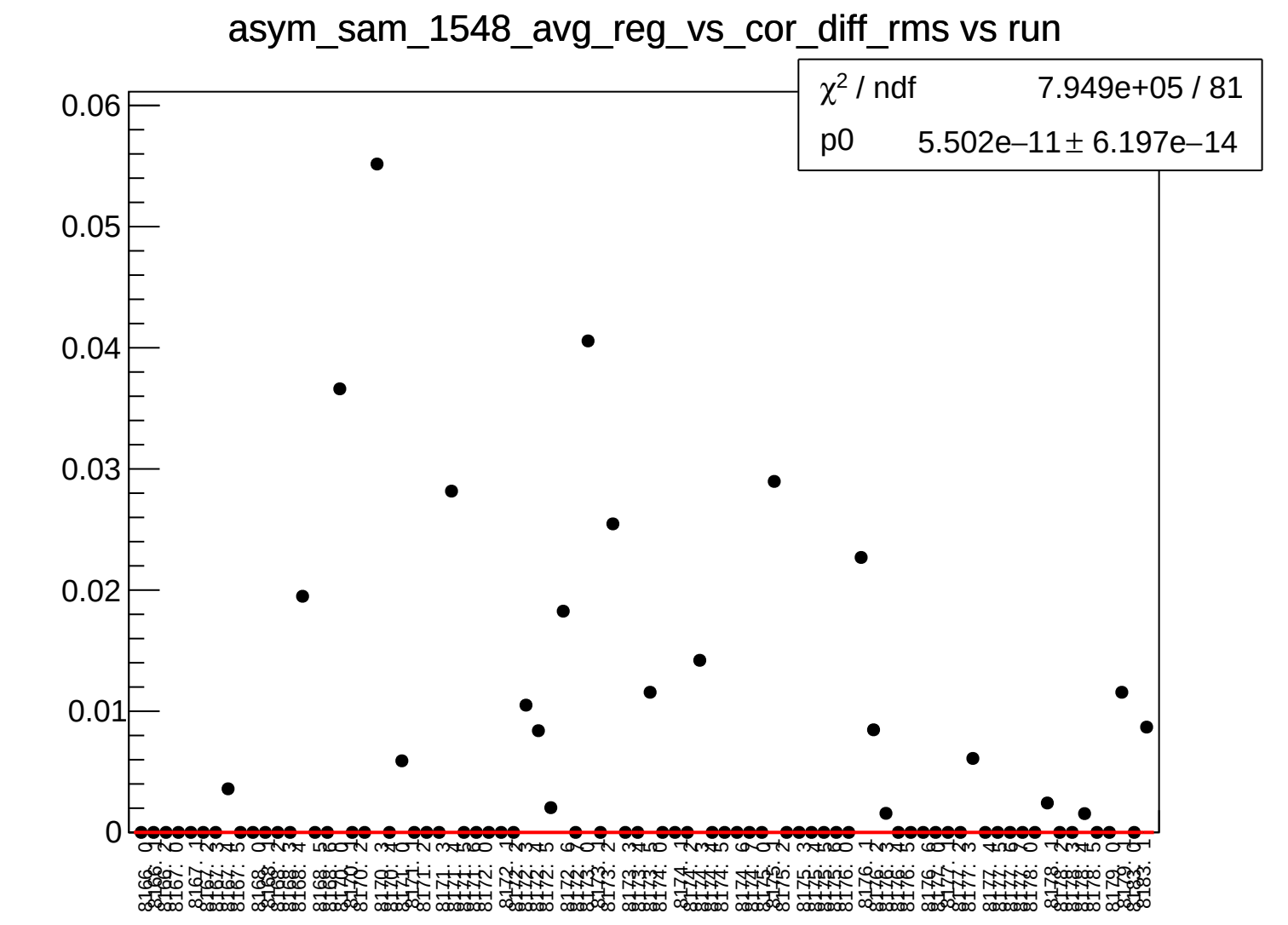

asym_sam_1548_avg_mean vs run
χ² / ndf 78.65 / 81
p0 1077 ± 1184
pull
Entries 82
Mean −462.7
Std Dev 0

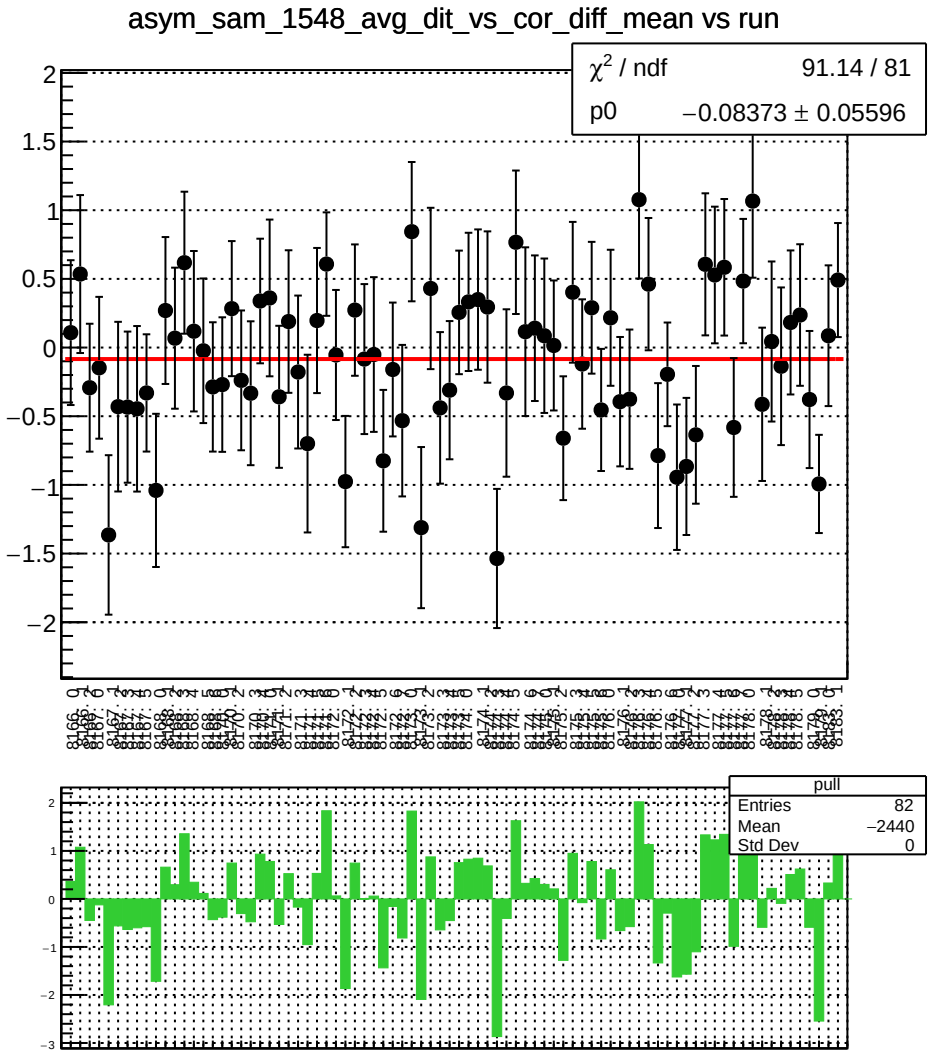

pull1D
Entries 82
Mean 0.004229
Std Dev 0.9793

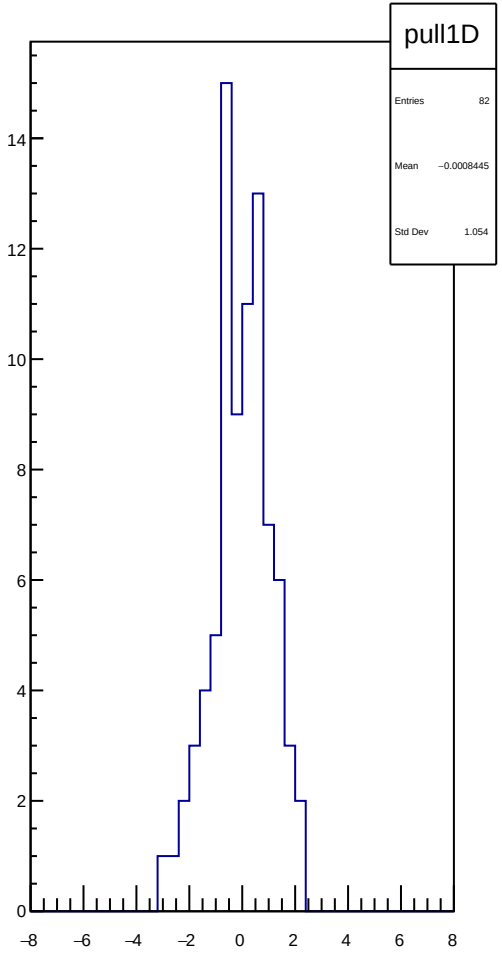

asym_sam_1548_avg_rms vs run
χ² / ndf 2019 / 81
p0 1053 ± 0.8374
1150
1100
1050
1000
950

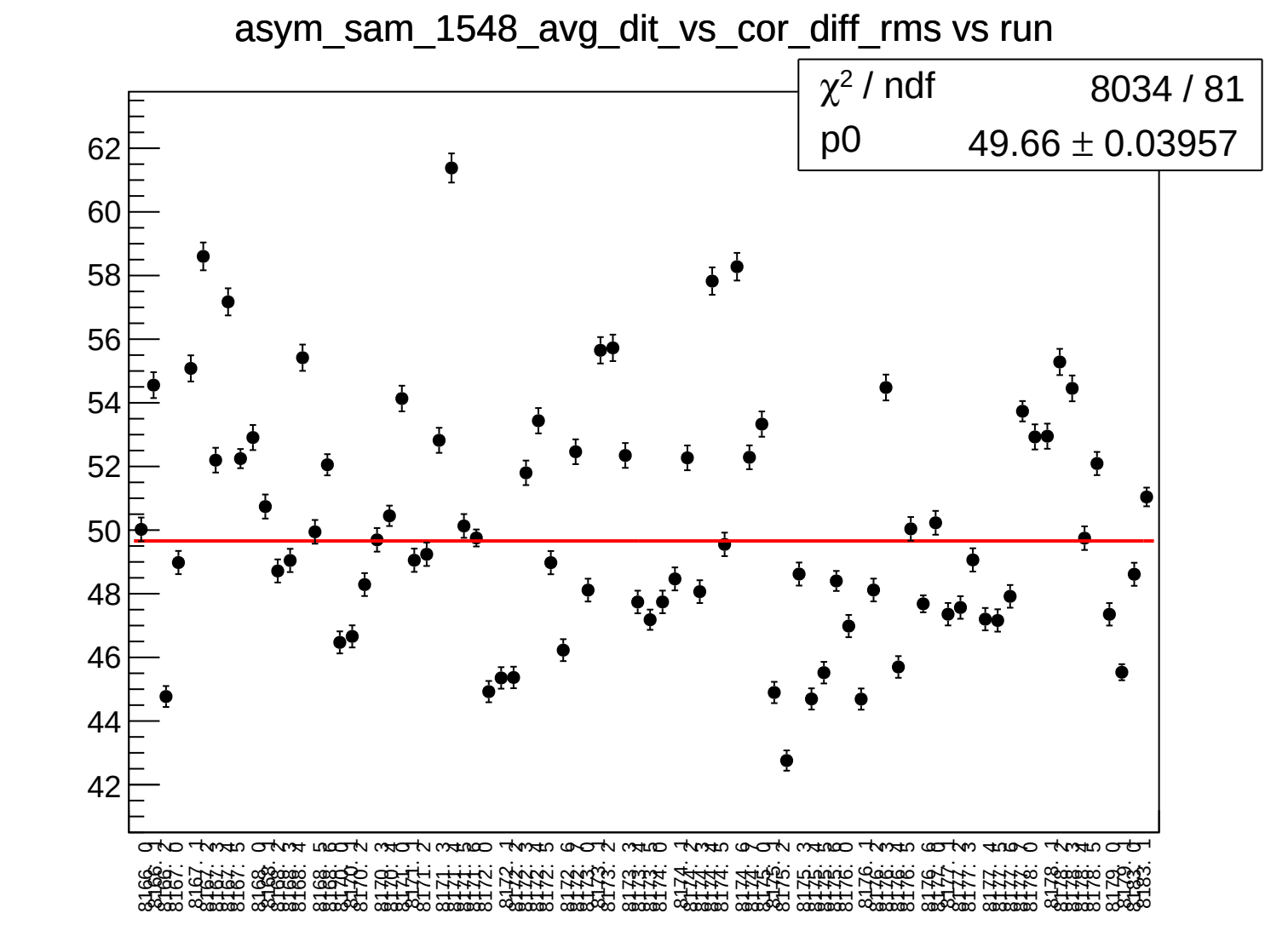

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 90.5 / 81
p0 1.27e−14 ± 8.764e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean 72.46
Std Dev 0
2
1
0
−1
−2

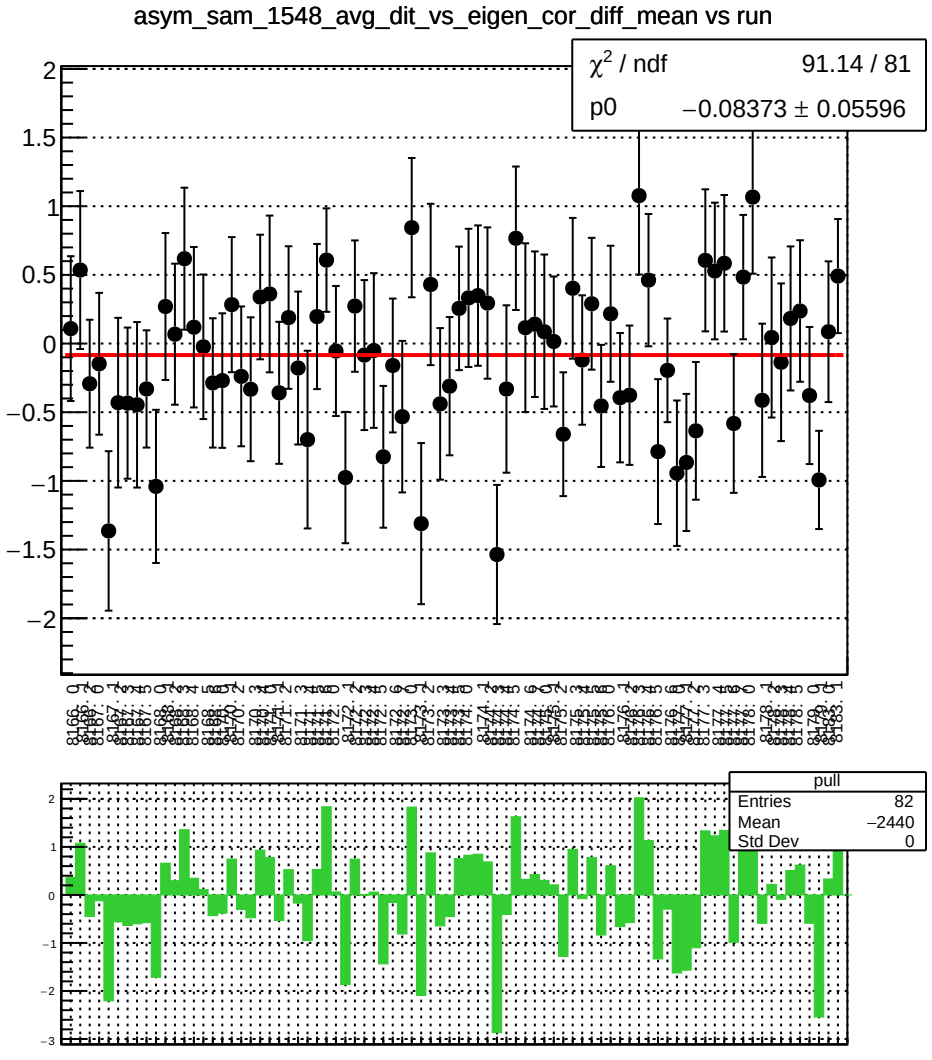

pull1D
Entries 82
Mean 0.0449
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

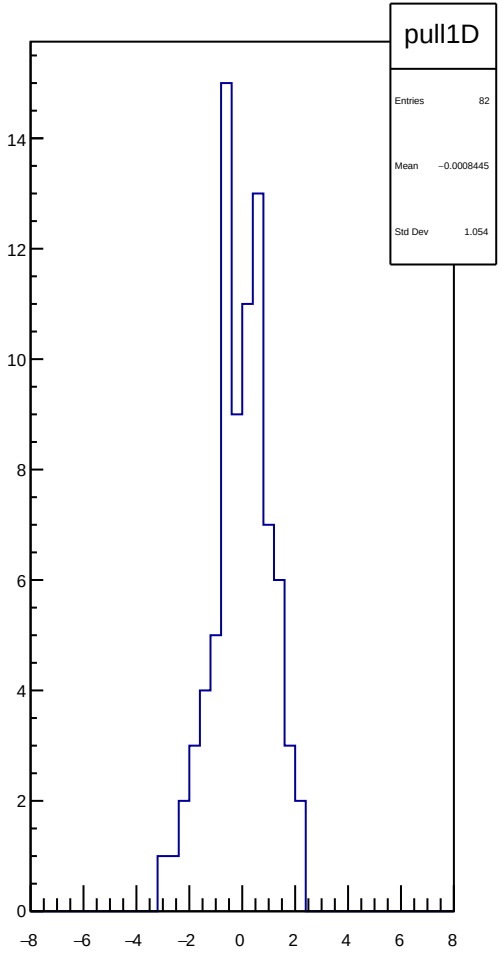

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.949e+05 / 81
p0 5.502e−11 ± 6.197e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

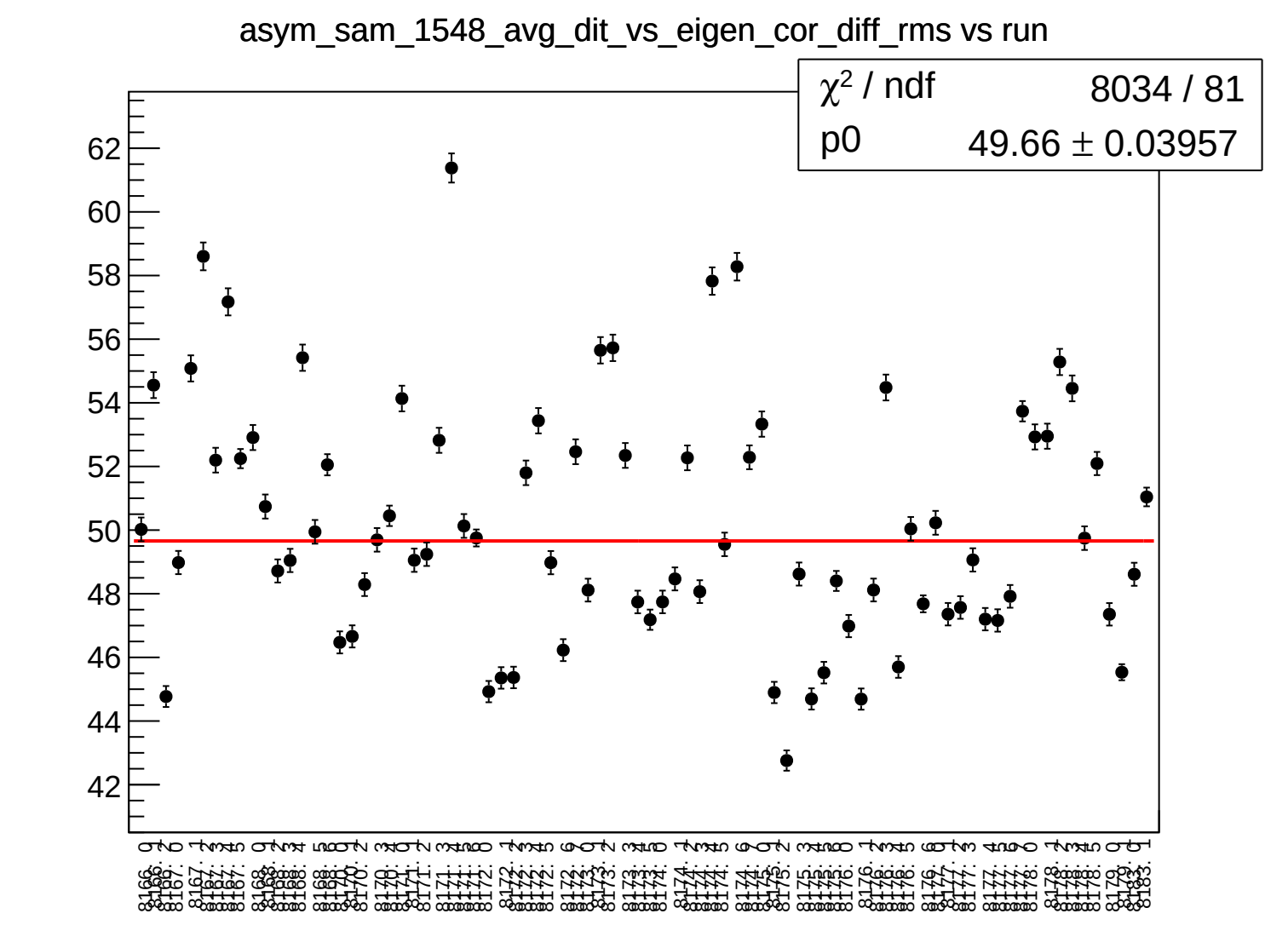

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 91.14 / 81
p0 −0.08373 ± 0.05596
pull
Entries 82
Mean −2440
Std Dev 0

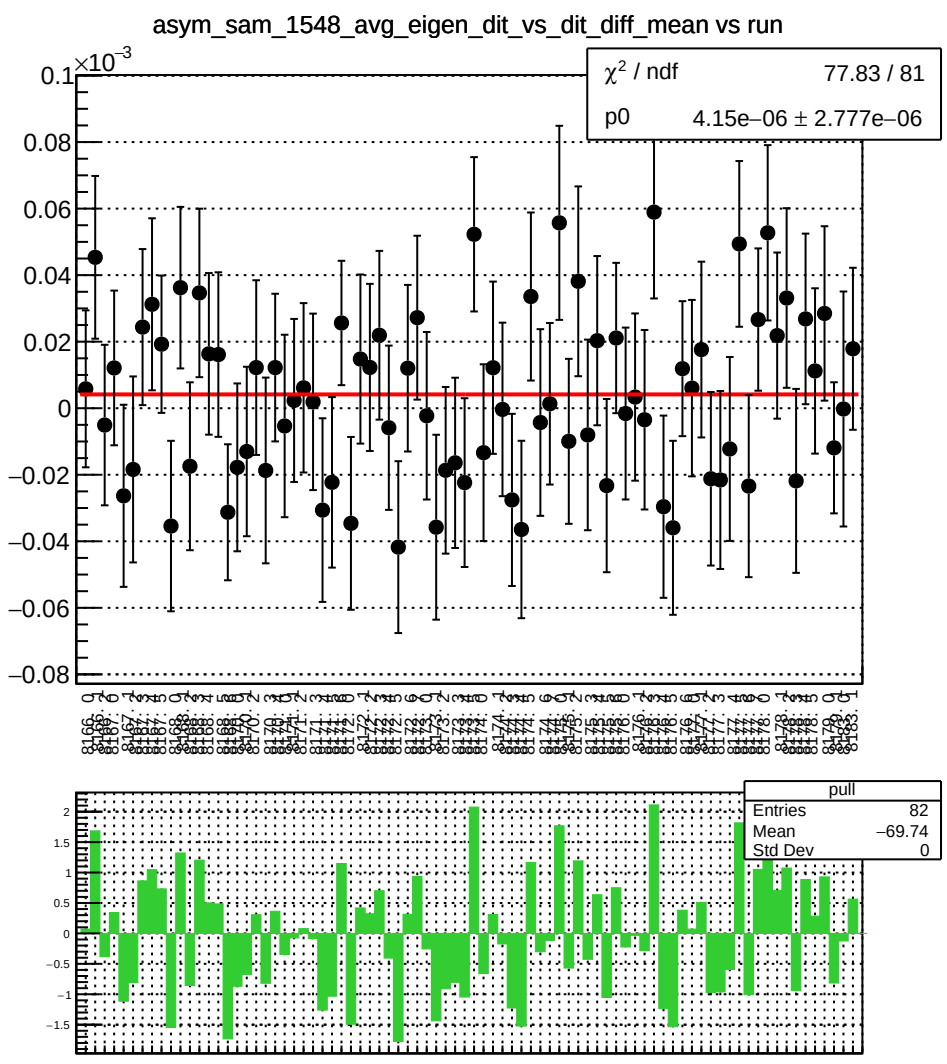

pull1D
Entries 82
Mean −0.0008445
Std Dev 1.054

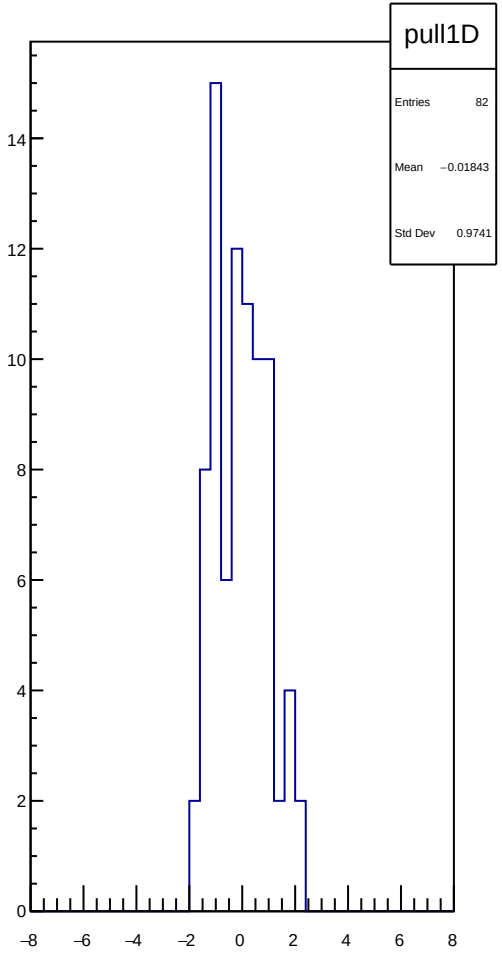

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8034 / 81
p0 49.66 ± 0.03957
62
60
58
56
54
52
50
48
46
44
42

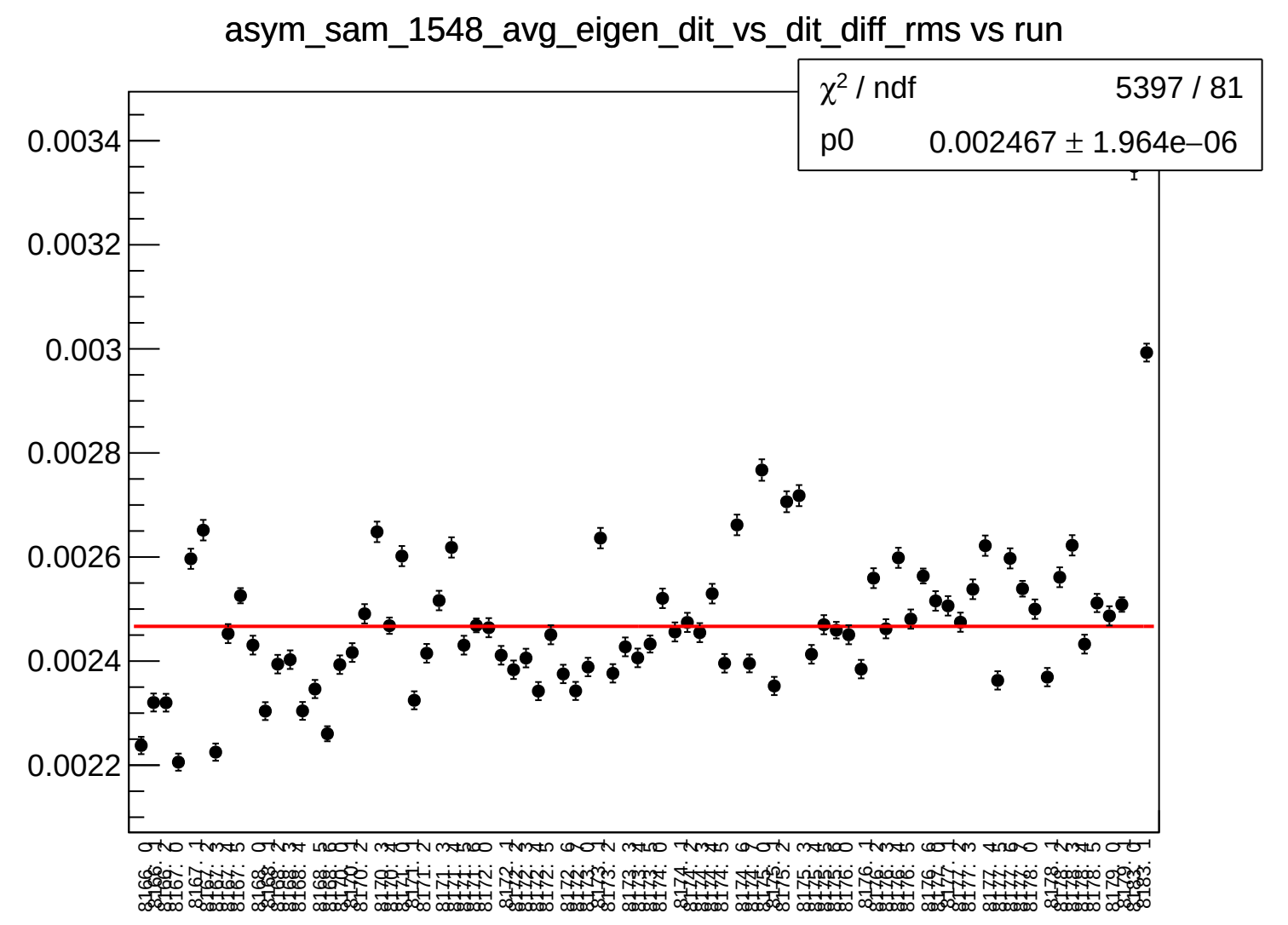

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.14 / 81
p0 −0.08373 ± 0.05596
pull
Entries 82
Mean −2440
Std Dev 0

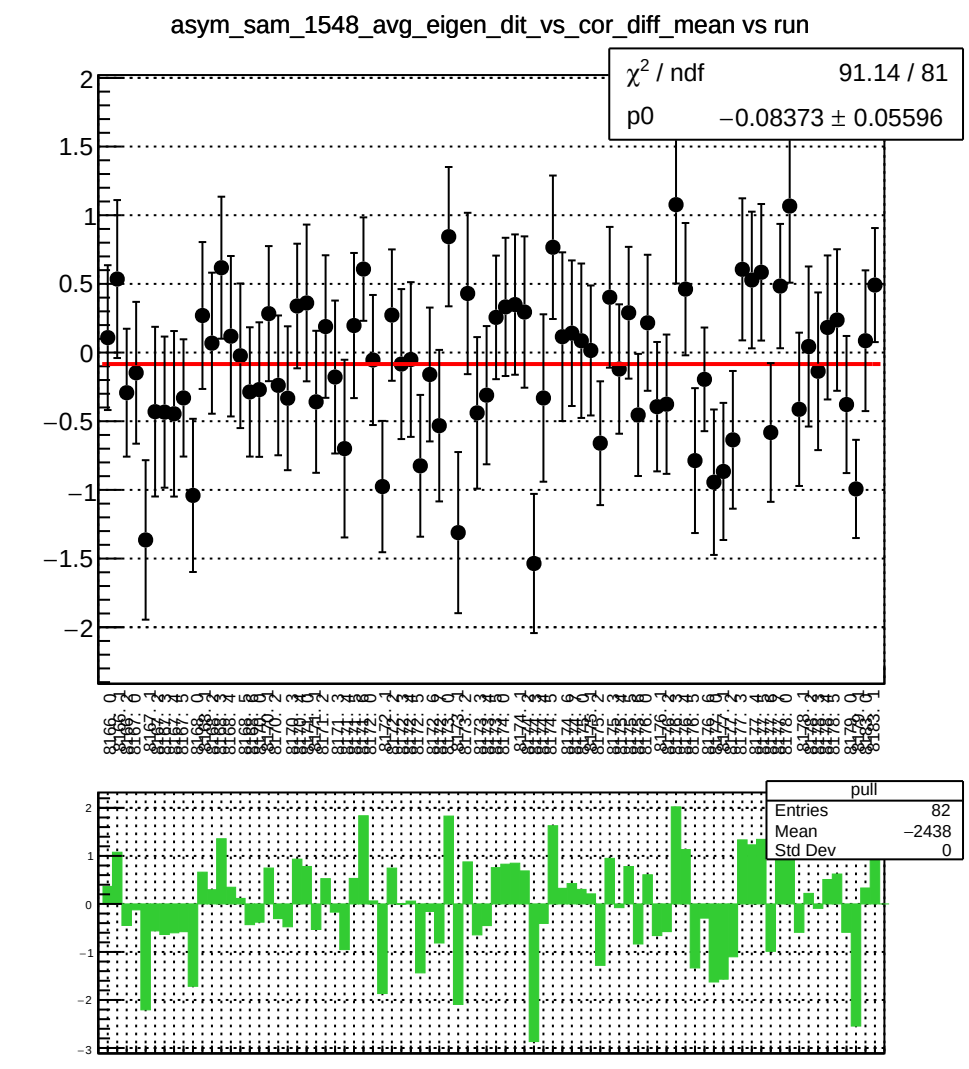

pull1D
Entries 82
Mean −0.0008445
Std Dev 1.054

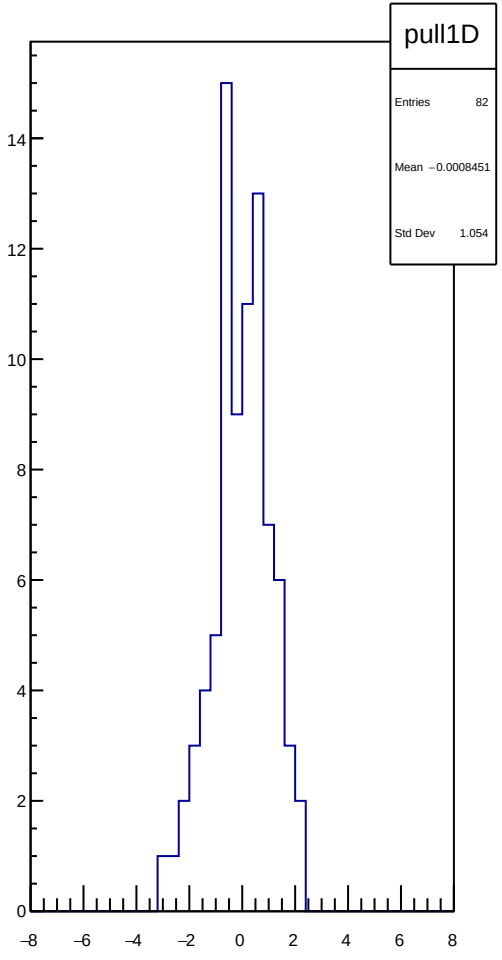

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8034 / 81
p0 49.66 ± 0.03957
62
60
58
56
54
52
50
48
46
44
42

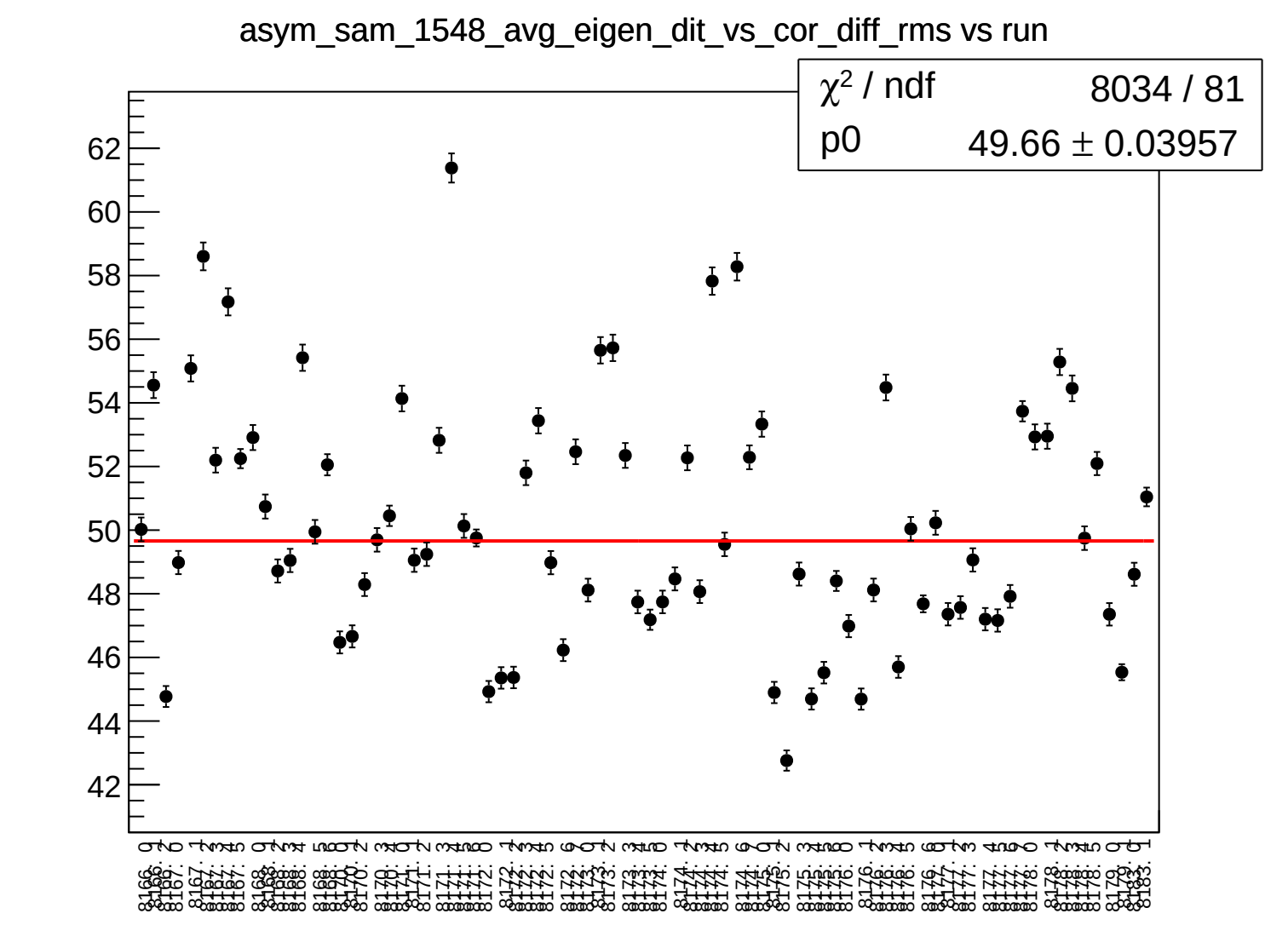

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 77.83 / 81
p0 4.15e−06 ± 2.777e−06
pull
Entries 82
Mean −69.74
Std Dev 0

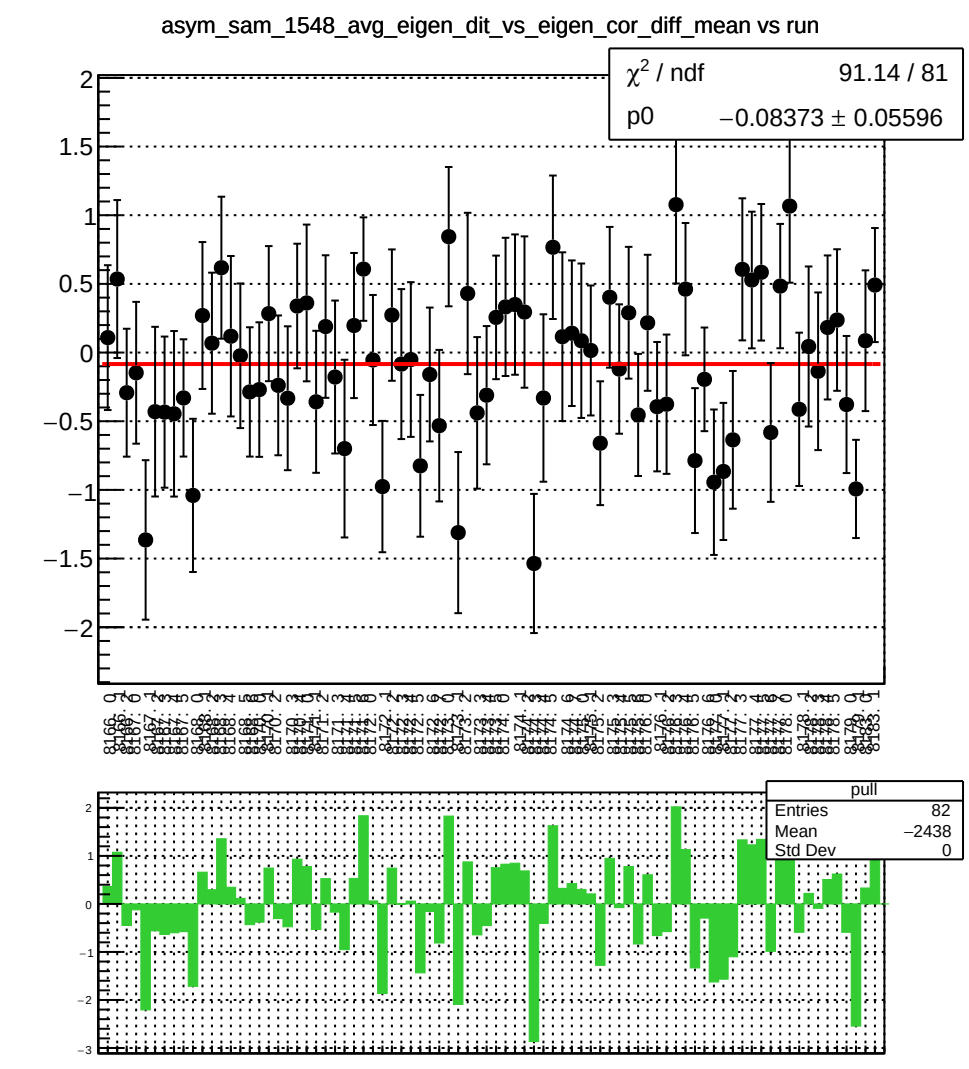

pull1D
Entries 82
Mean −0.01843
Std Dev 0.9741

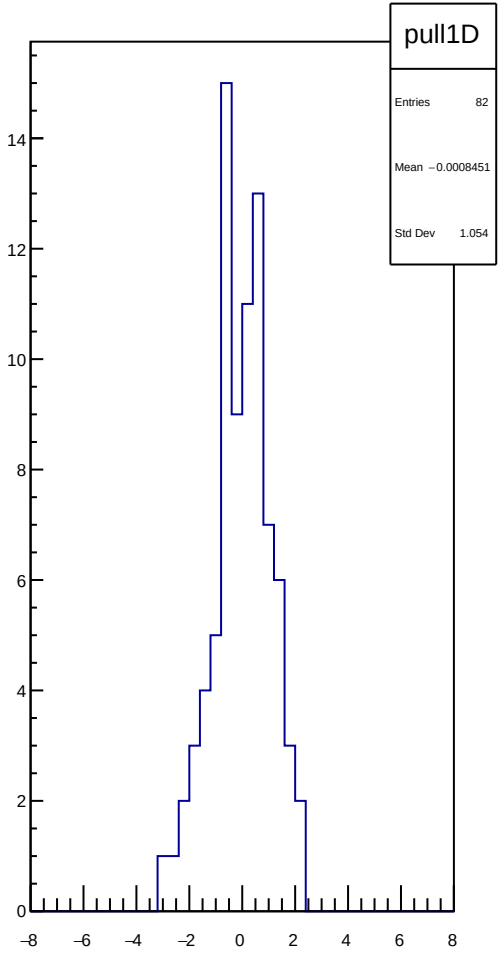

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5397 / 81
p0 0.002467 ± 1.964e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

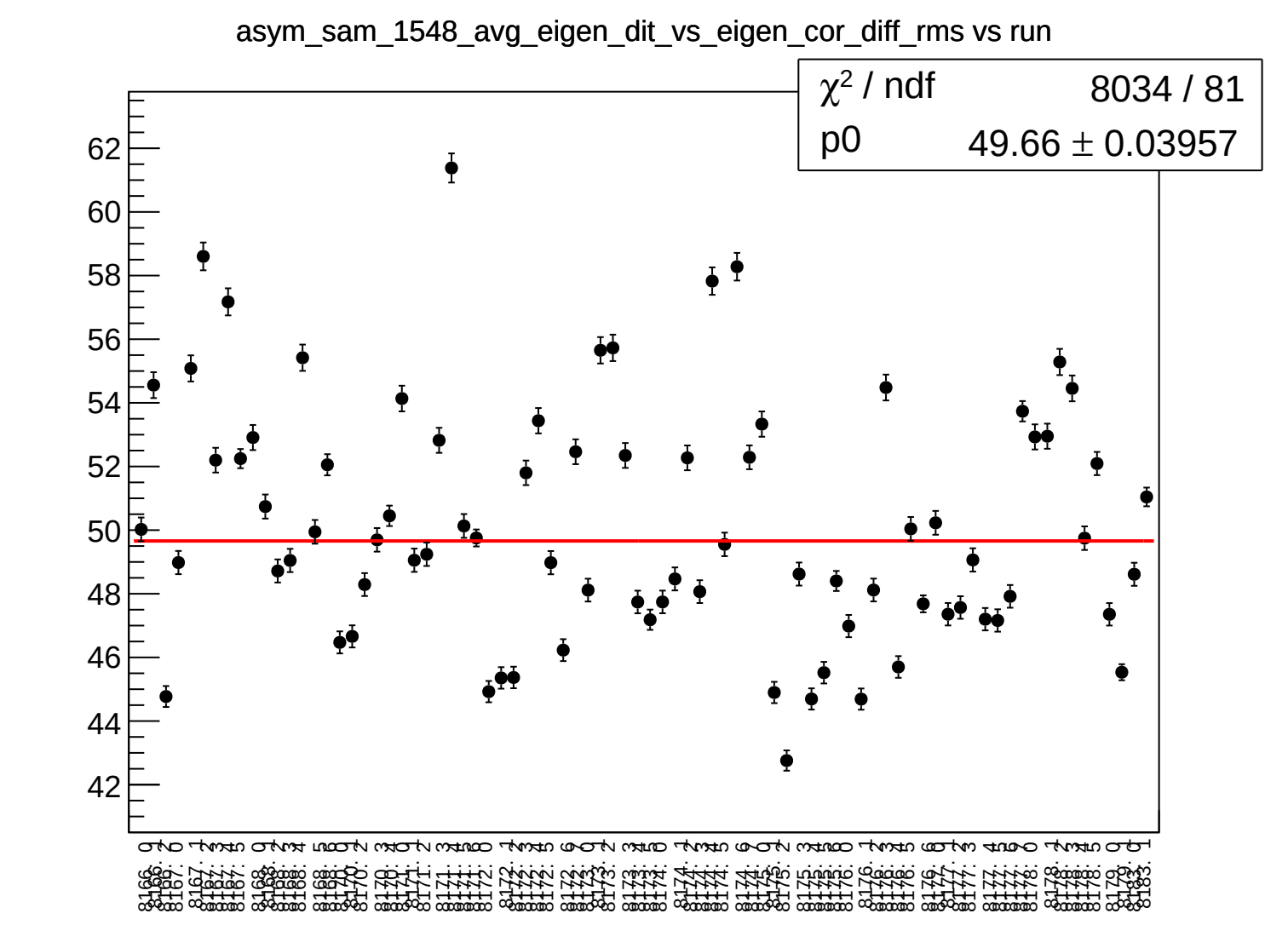

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.14 / 81
p0 −0.08373 ± 0.05596
pull
Entries 82
Mean −2438
Std Dev 0

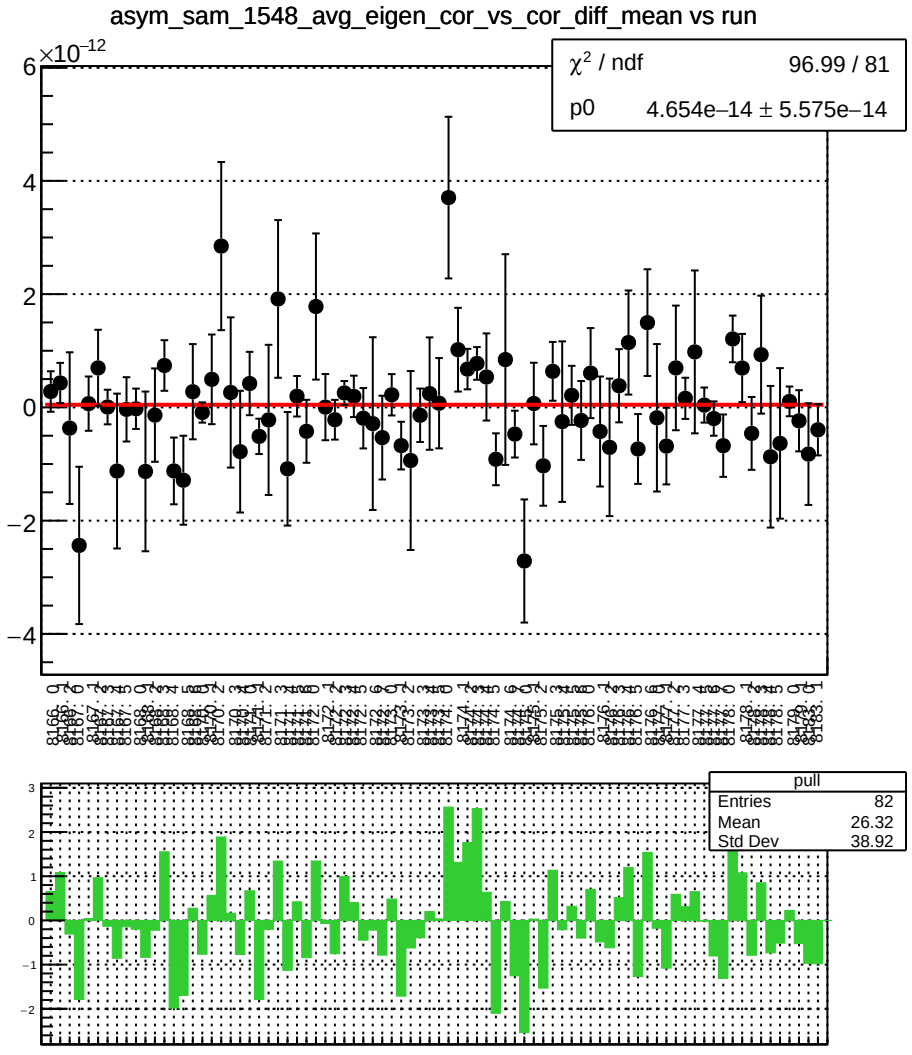

pull1D
Entries 82
Mean −0.0008451
Std Dev 1.054

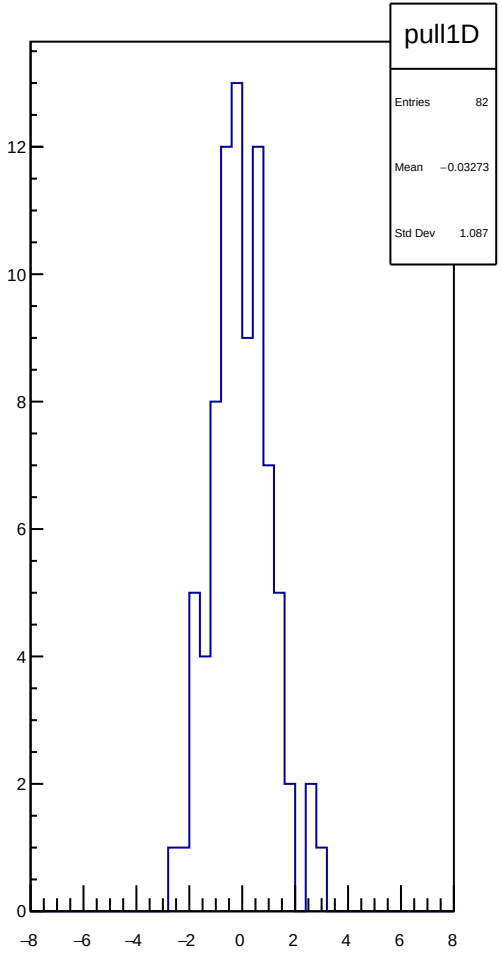

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8034 / 81
p0 49.66 ± 0.03957
62
60
58
56
54
52
50
48
46
44
42

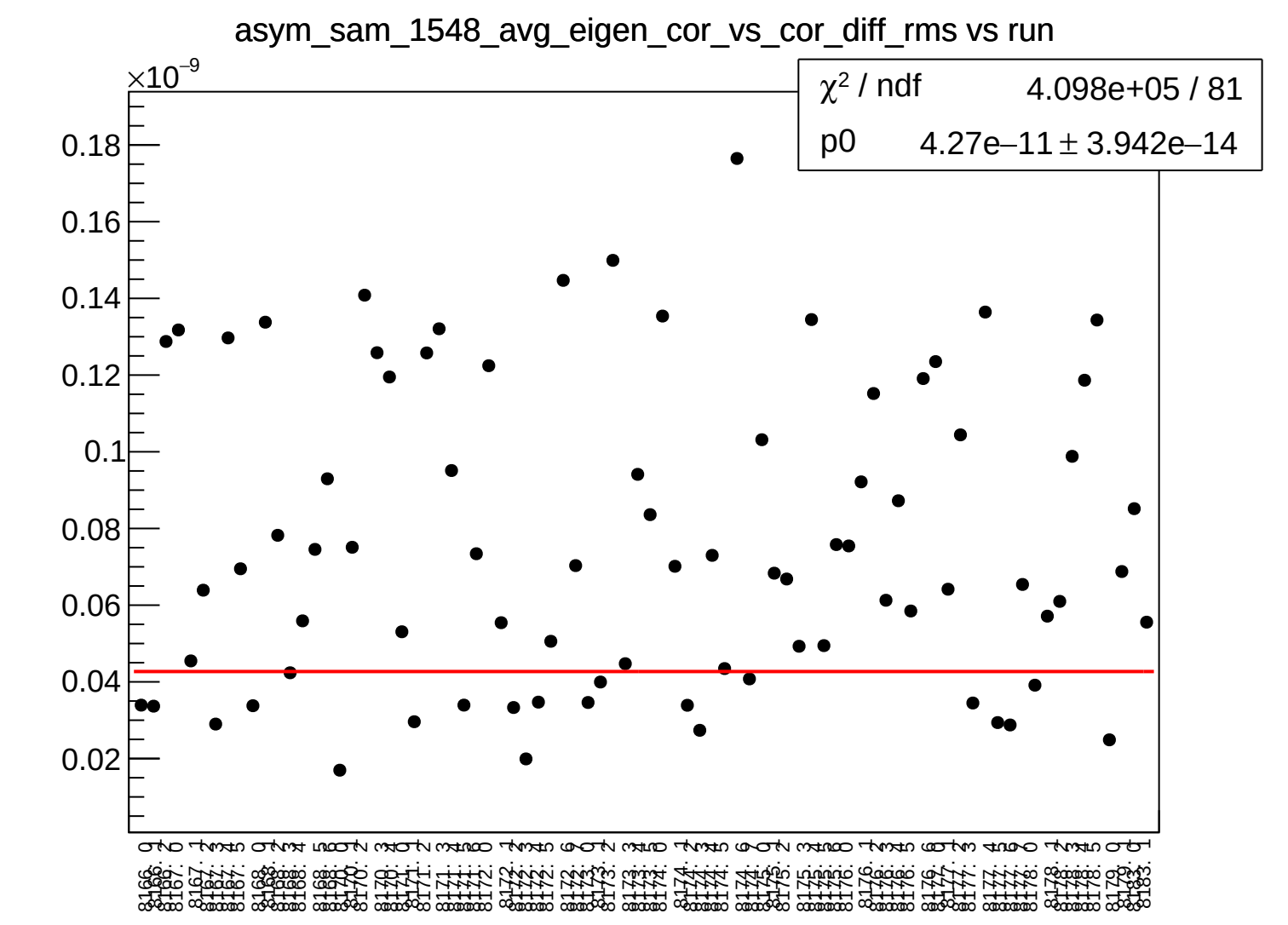

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.14 / 81
p0 −0.08373 ± 0.05596
pull
Entries 82
Mean −2438
Std Dev 0

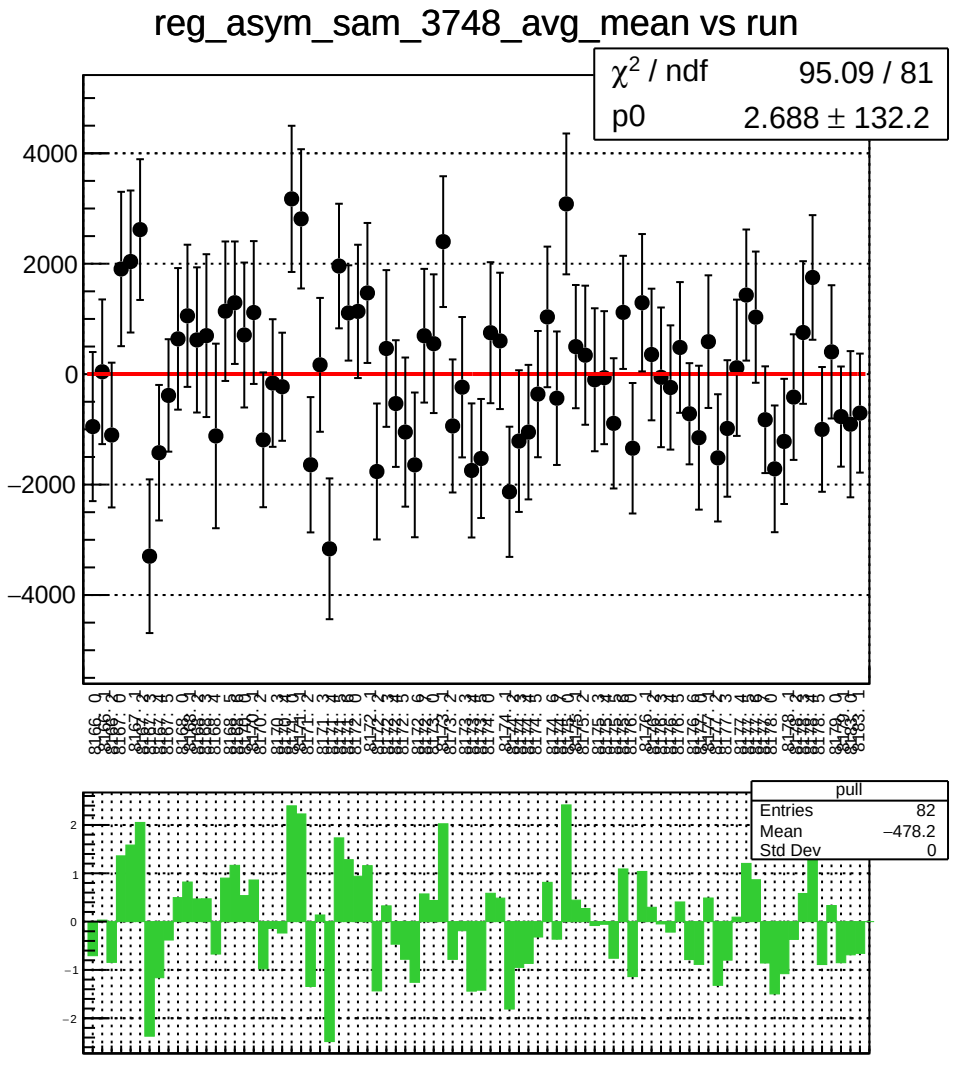

pull1D
Entries 82
Mean −0.0008451
Std Dev 1.054

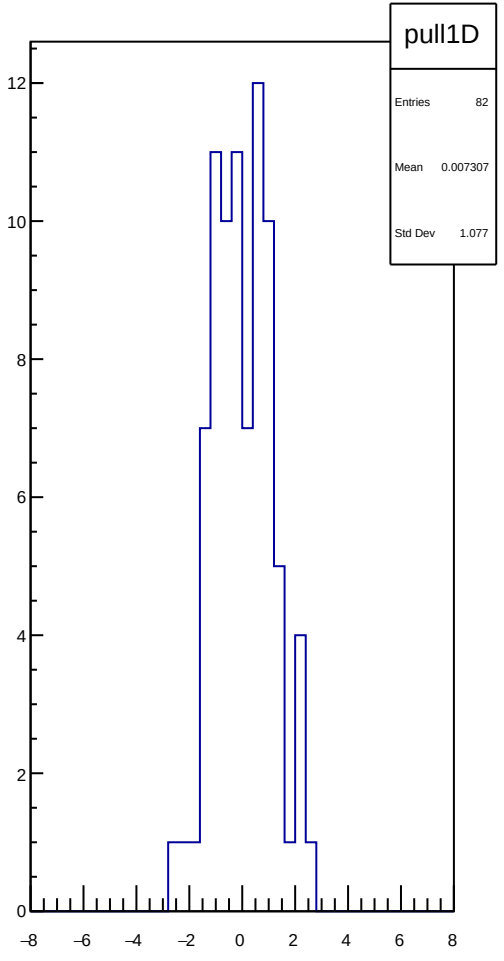

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8034 / 81
p0 49.66 ± 0.03957
62
60
58
56
54
52
50
48
46
44
42

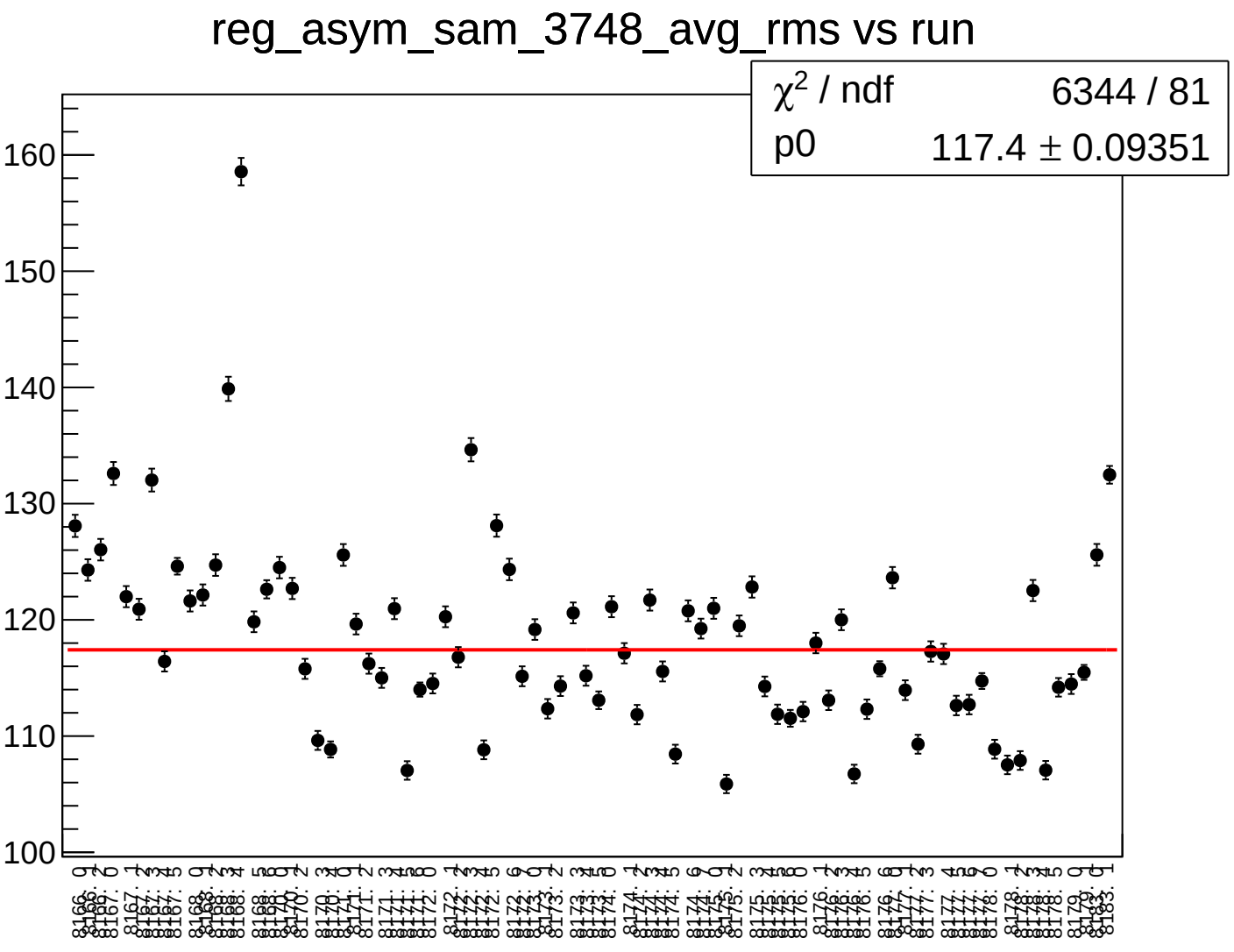

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 96.99 / 81
p0 4.654e−14 ± 5.575e−14
pull
Entries 82
Mean 26.32
Std Dev 38.92

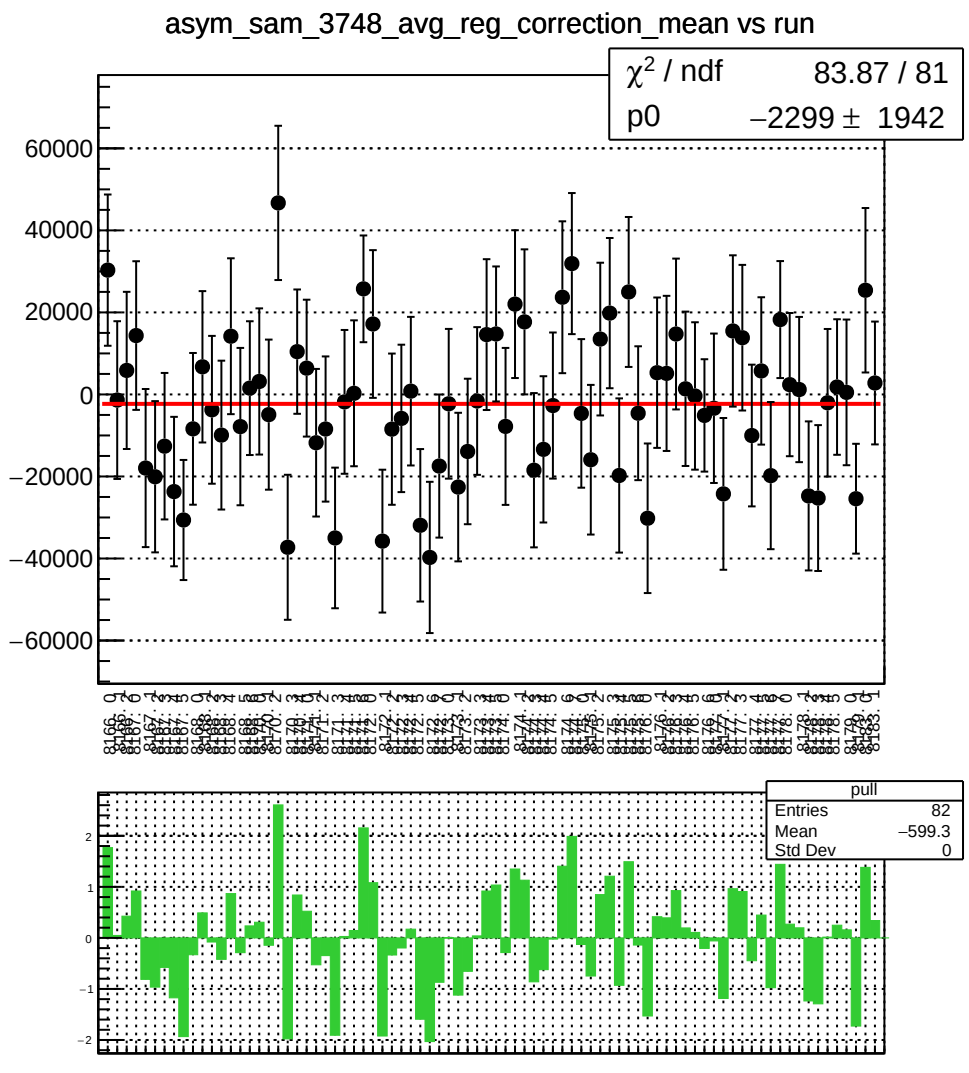

pull1D
Entries 82
Mean −0.03273
Std Dev 1.087

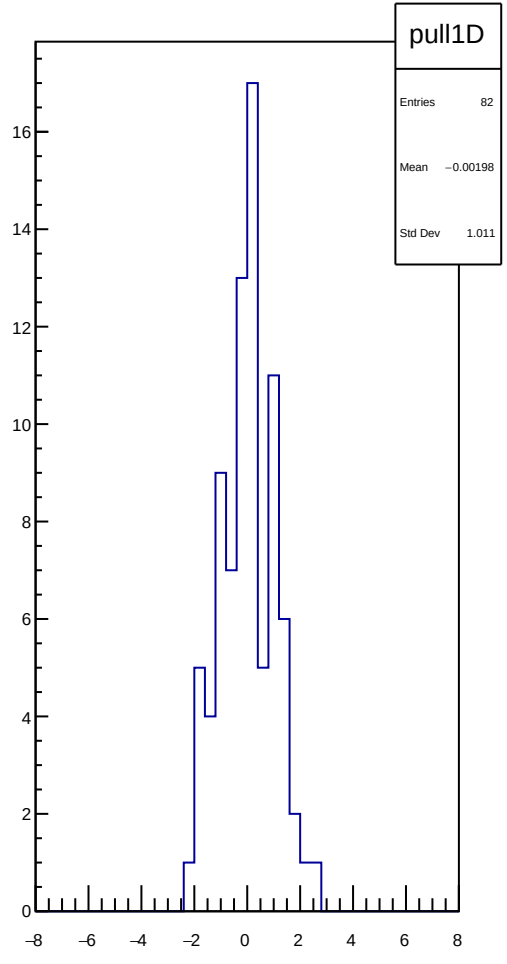

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.098e+05 / 81
p0 4.27e−11 ± 3.942e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

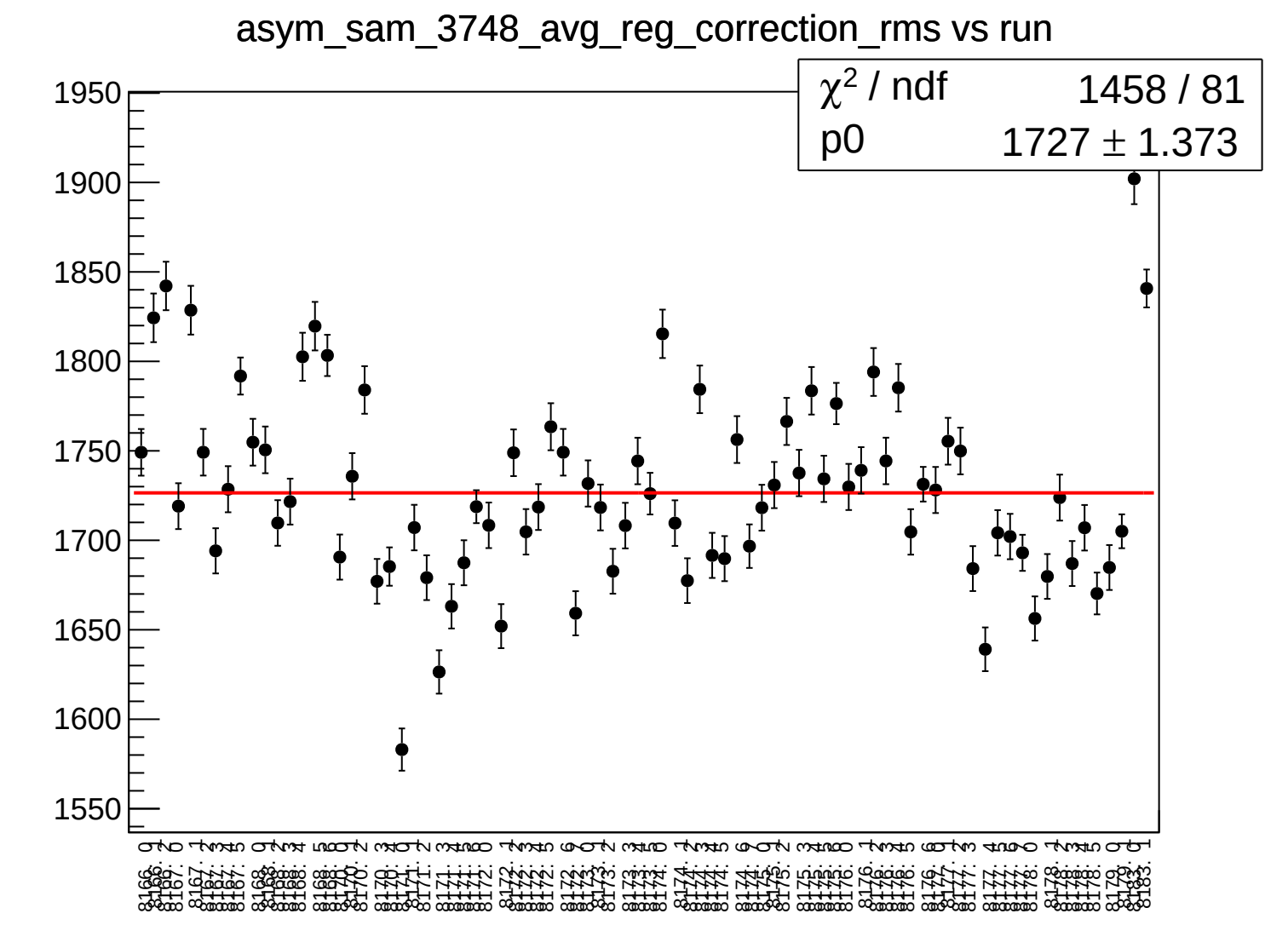

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 95.09 / 81
p0 2.688 ± 132.2
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −478.2
Std Dev 0
2
1
0
−1
−2

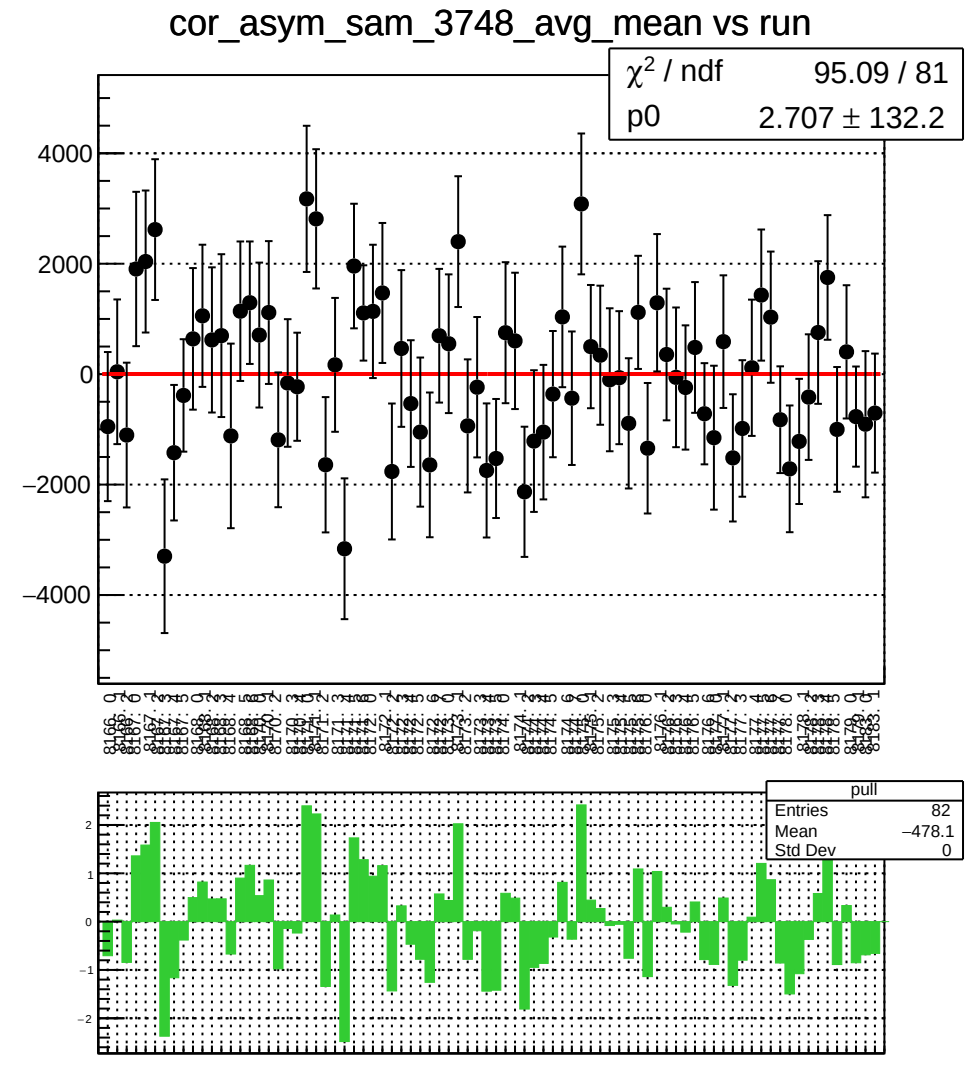

pull1D
Entries 82
Mean 0.007307
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

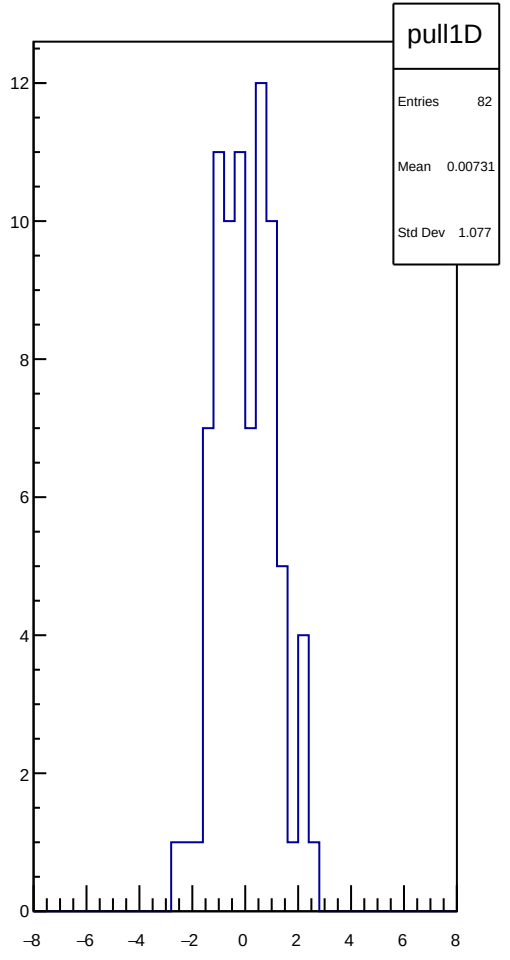

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 6344 / 81
p0 117.4 ± 0.09351
160
150
140
130
120
110
100

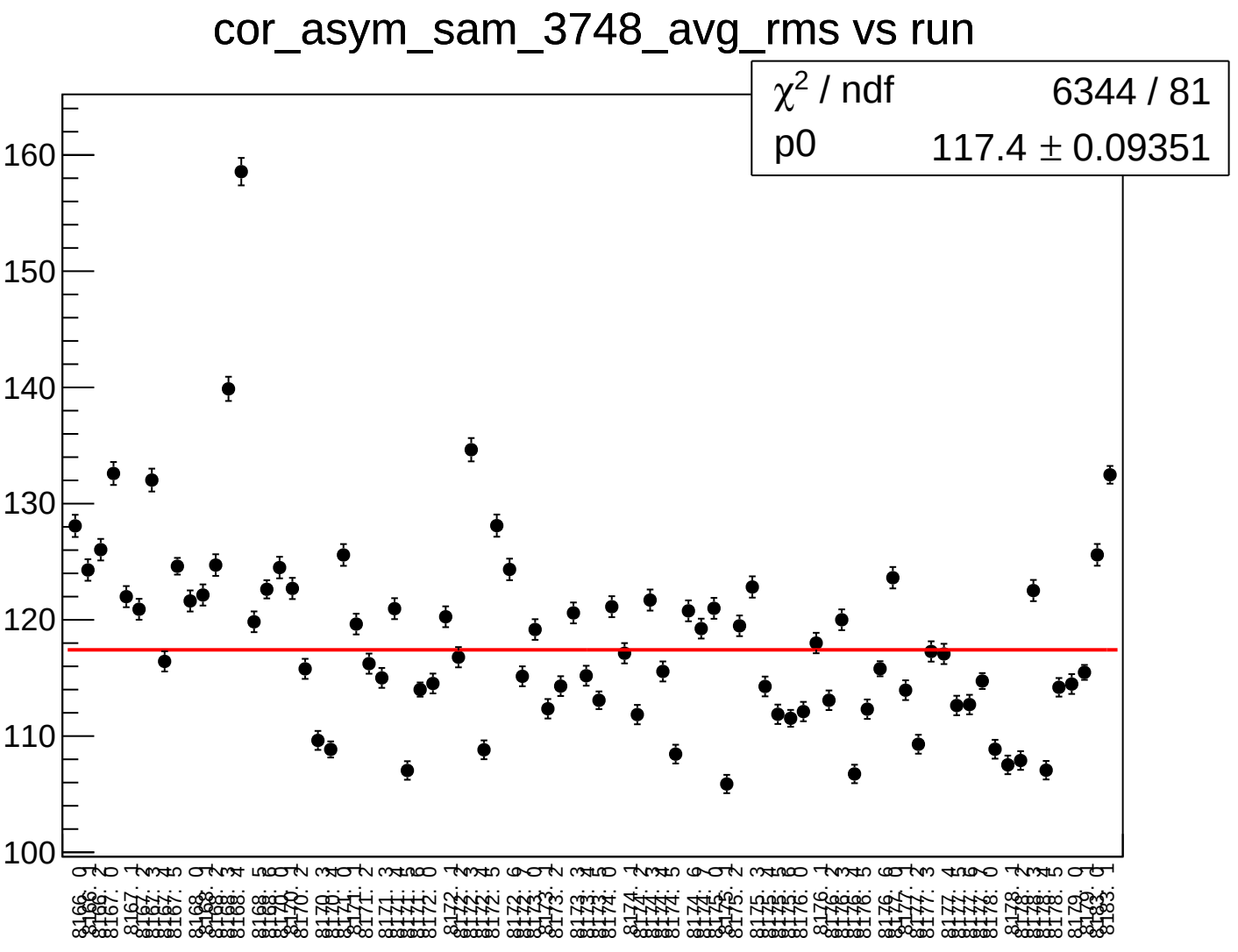

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 83.87 / 81
p0 −2299 ± 1942
pull
Entries 82
Mean −599.3
Std Dev 0

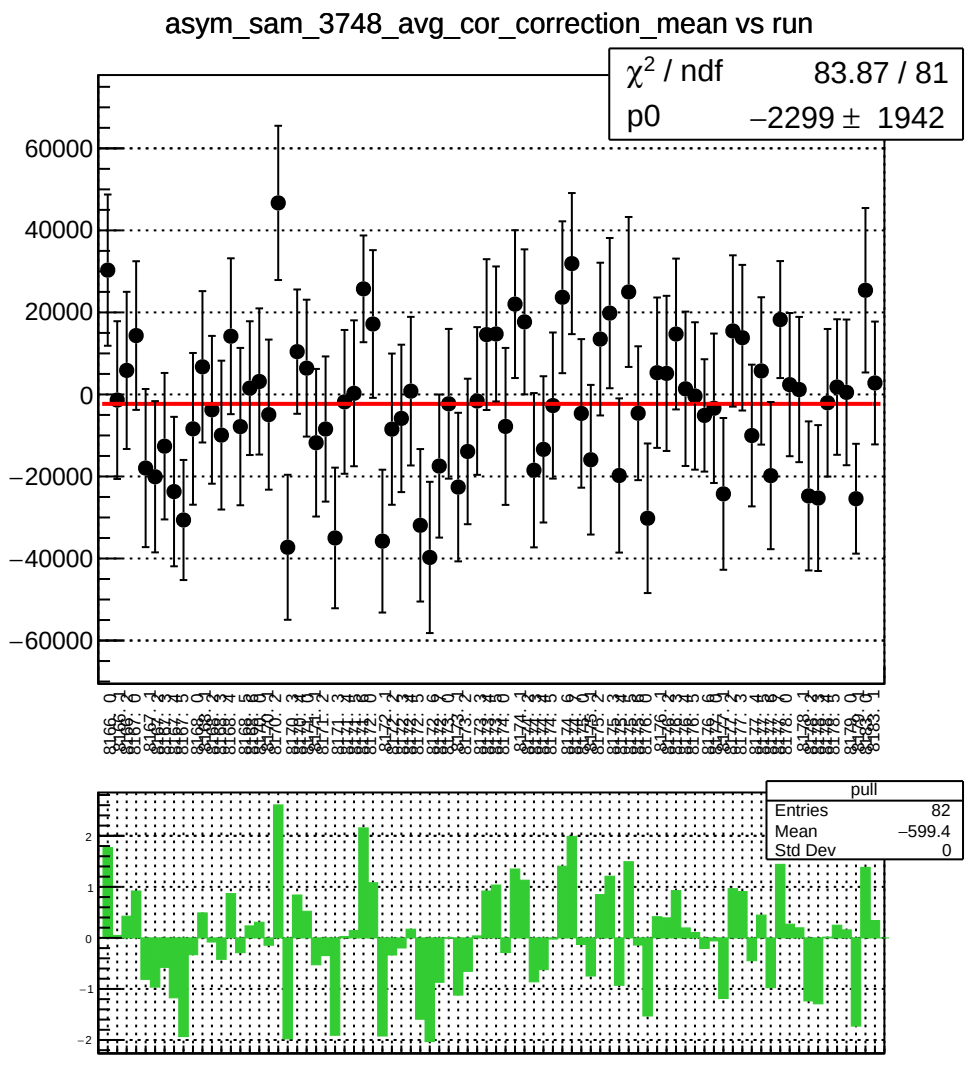

pull1D
Entries 82
Mean −0.00198
Std Dev 1.011

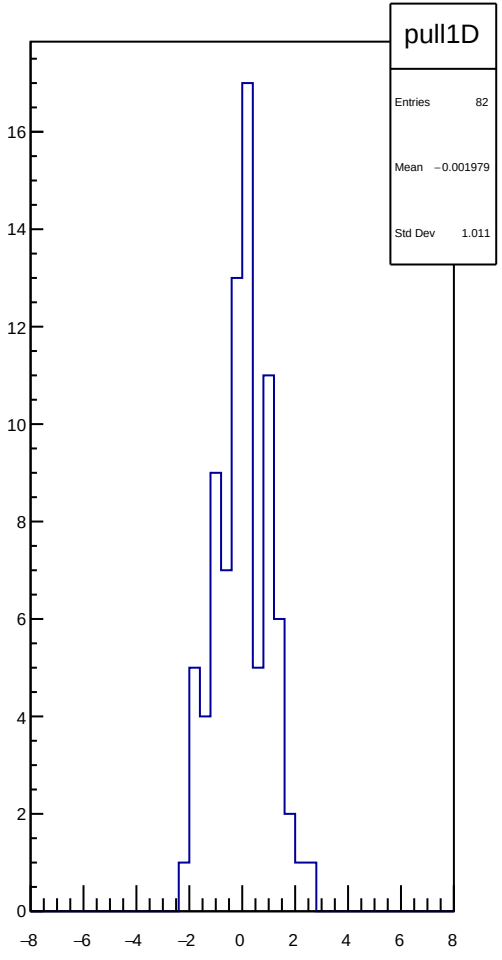

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1458 / 81
p0 1727 ± 1.373
1950
1900
1850
1800
1750
1700
1650
1600
1550

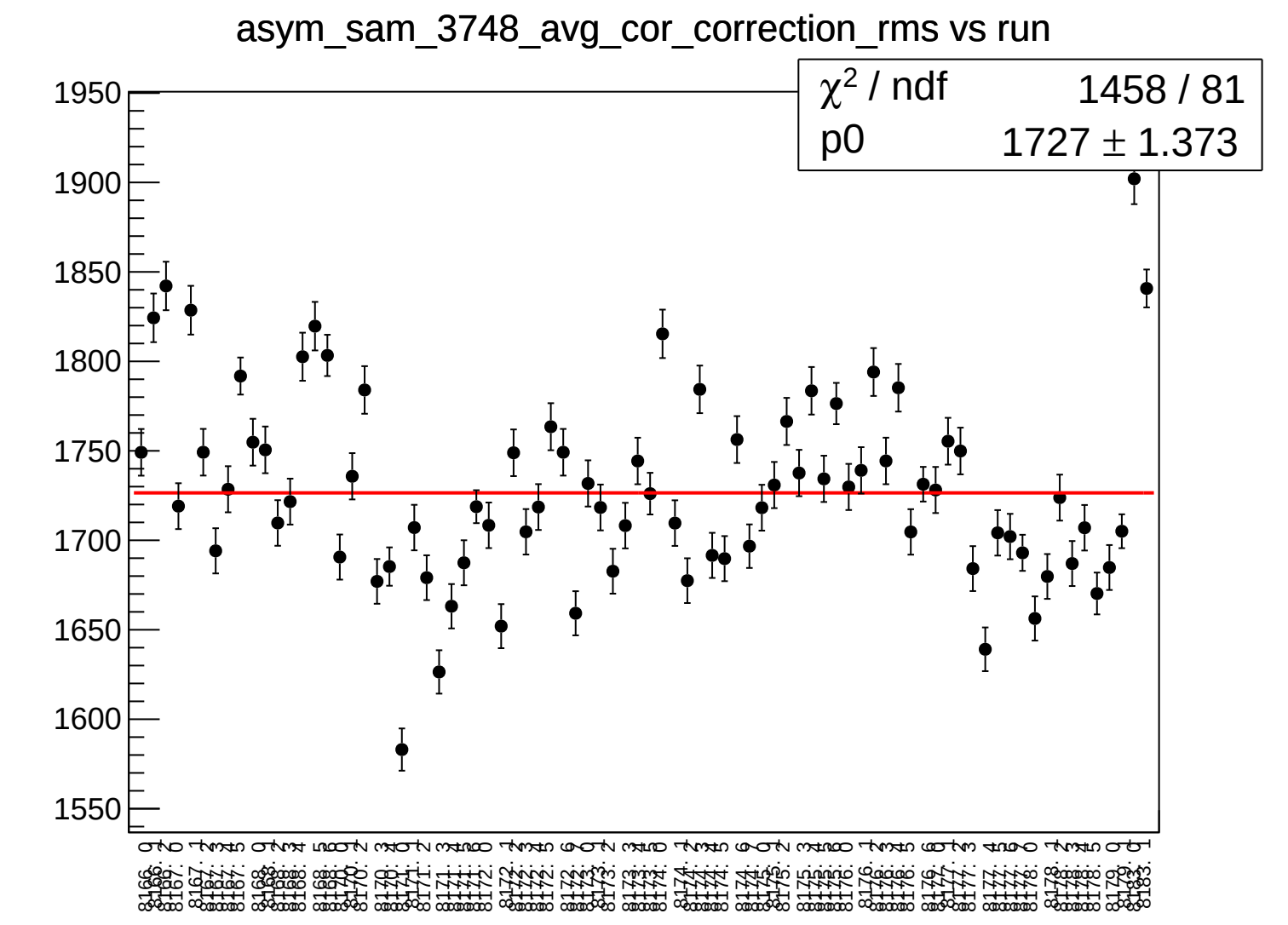

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 95.09 / 81
p0 2.707 ± 132.2
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −478.1
Std Dev 0
2
1
0
−1
−2

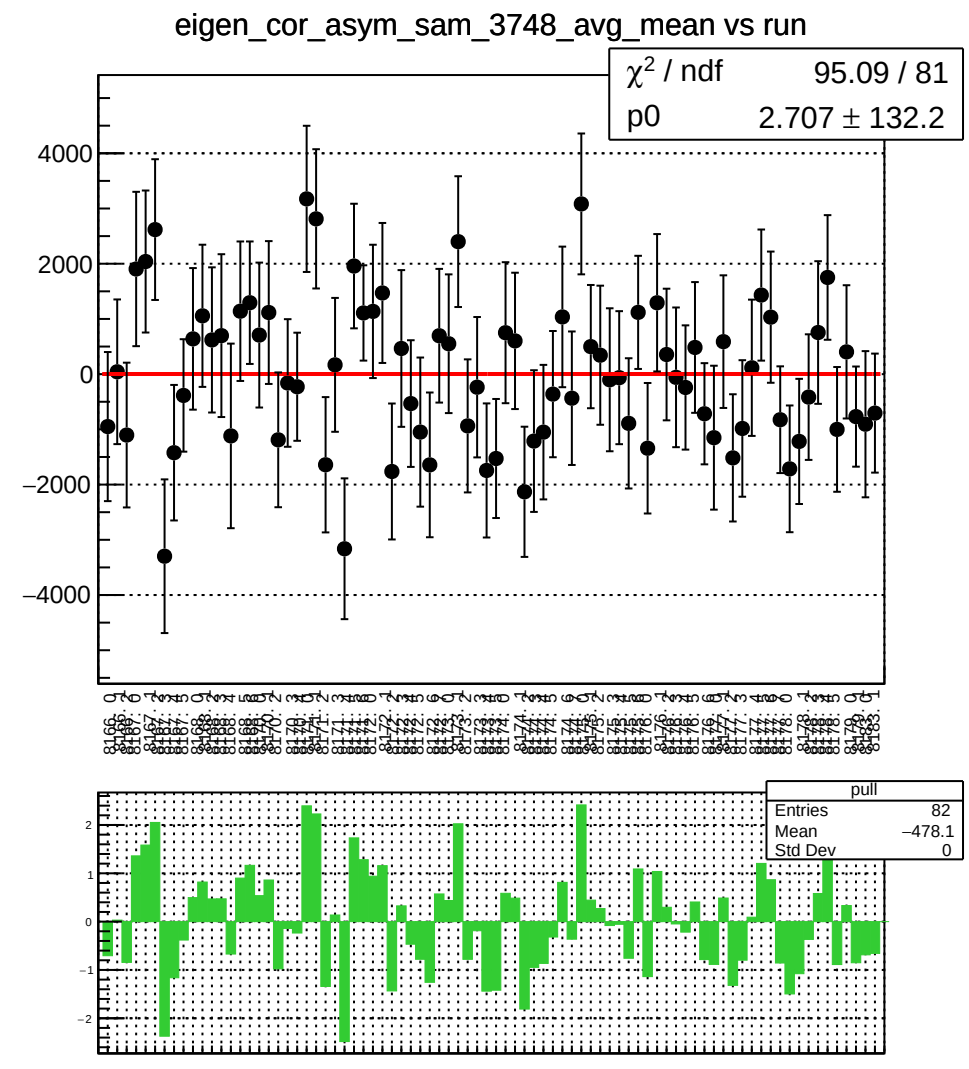

pull1D
Entries 82
Mean 0.00731
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

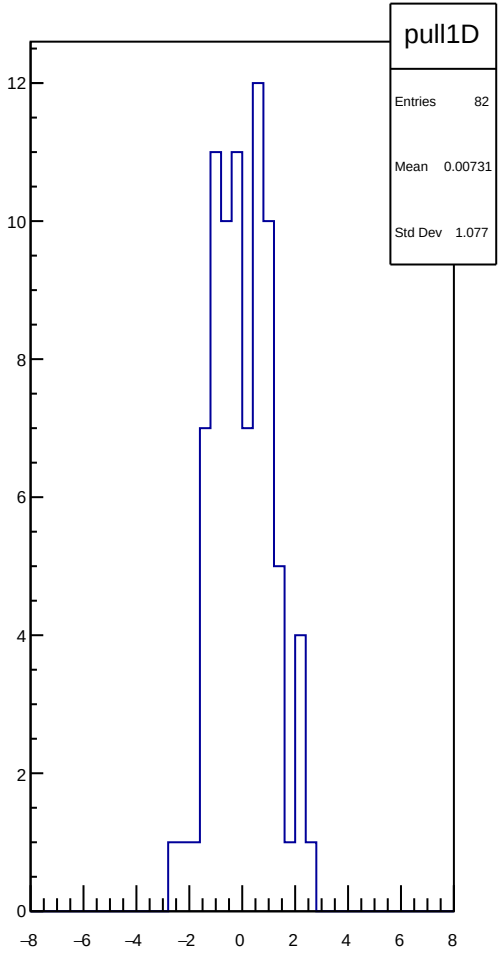

cor_asym_sam_3748_avg_rms vs run
χ^2 / ndf 6344 / 81
p0 117.4 ± 0.09351
160
150
140
130
120
110
100

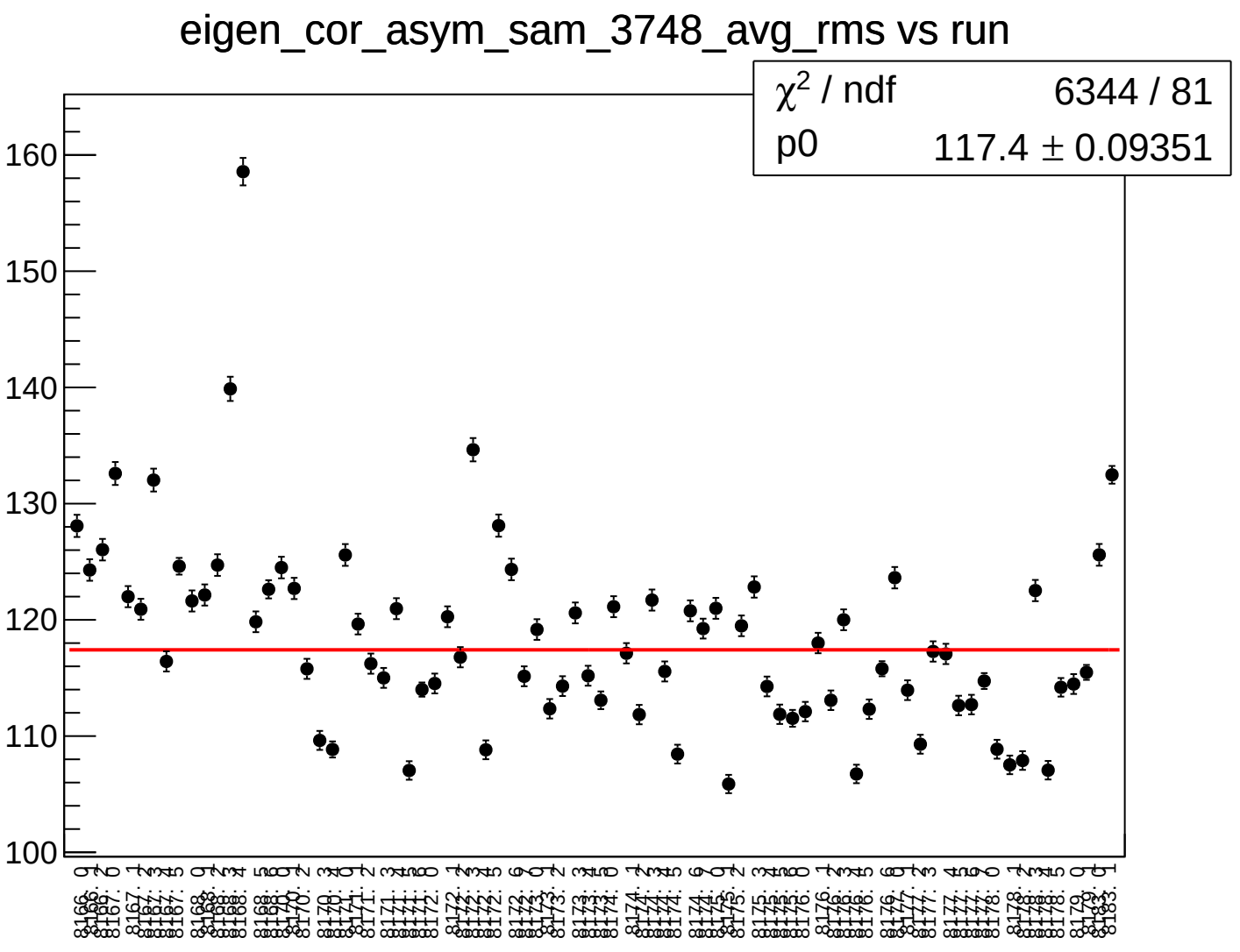

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 83.87 / 81
p0 −2299 ± 1942
pull
Entries 82
Mean −599.4
Std Dev 0

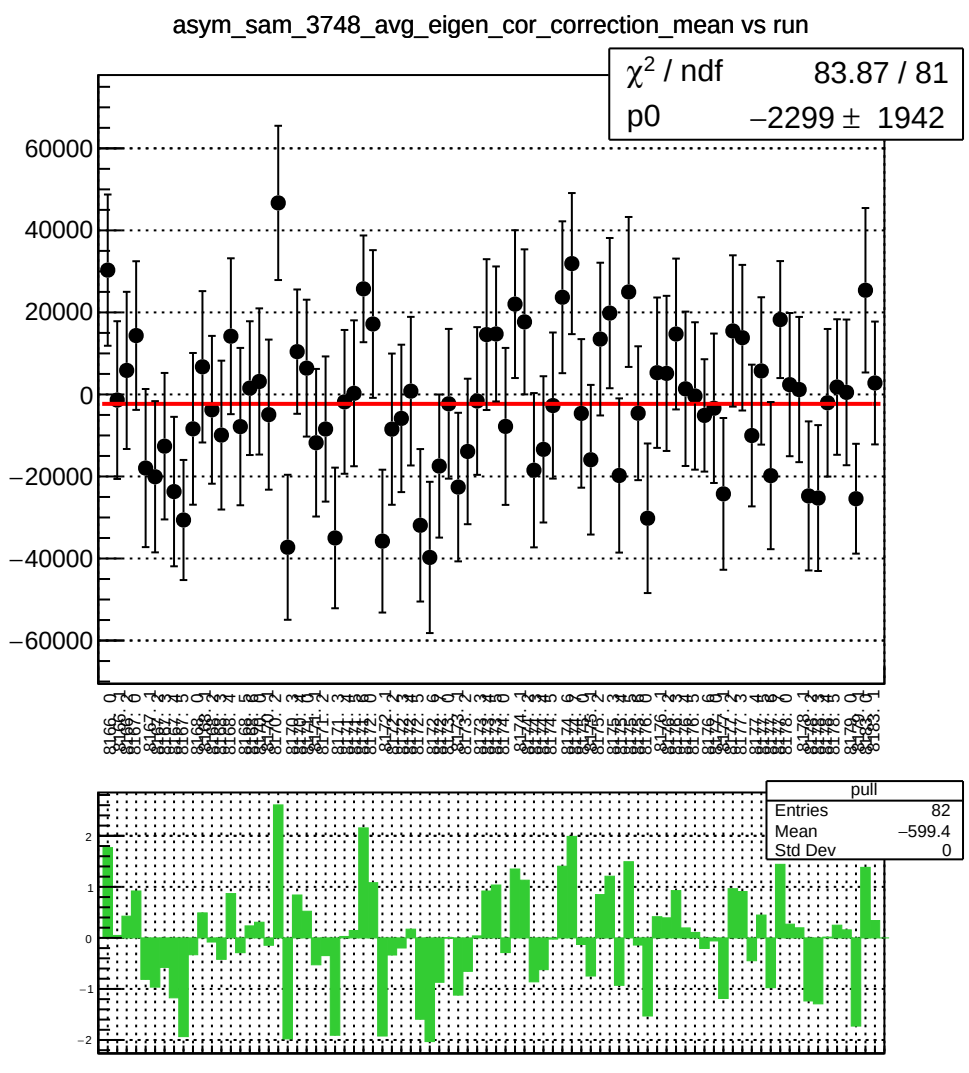

pull1D
Entries 82
Mean −0.001979
Std Dev 1.011

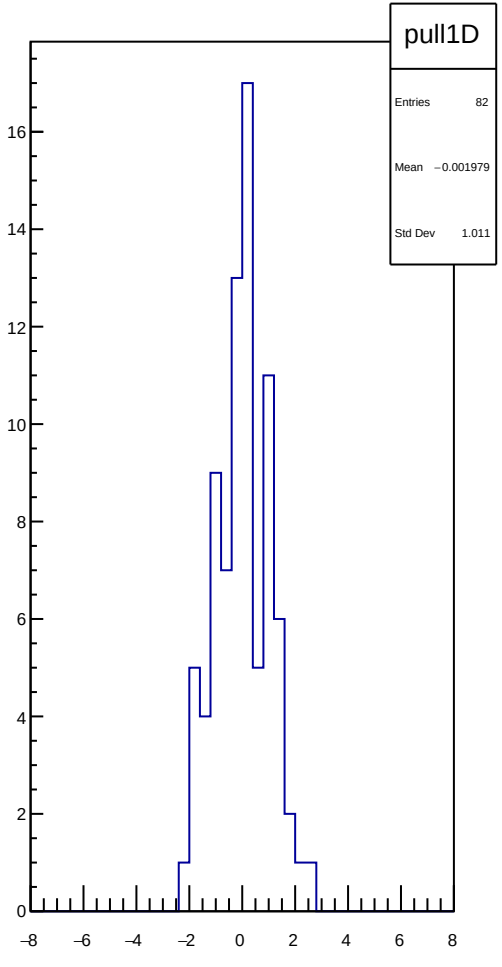

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1458 / 81
p0 1727 ± 1.373
1950
1900
1850
1800
1750
1700
1650
1600
1550

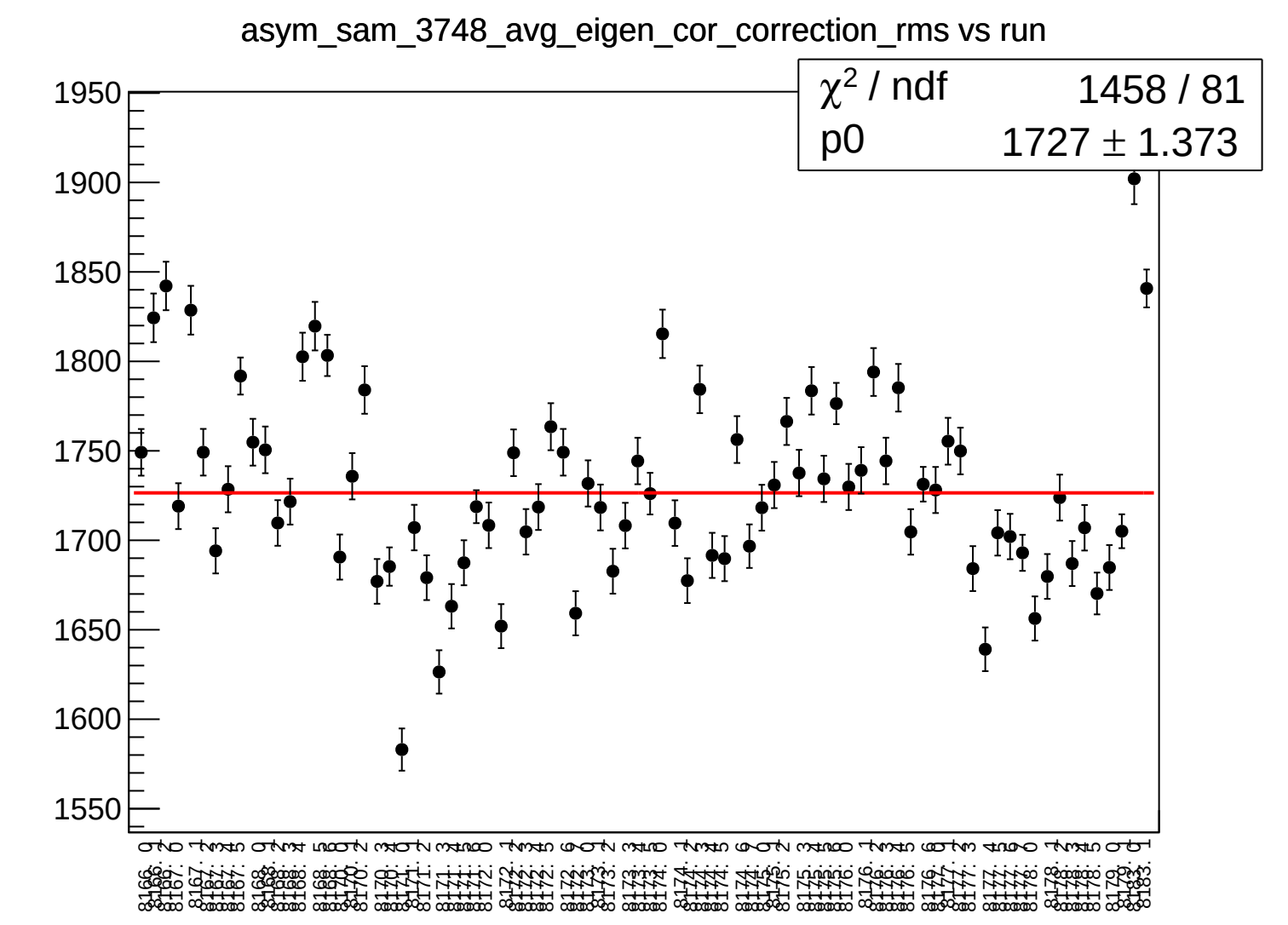

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 95.09 / 81
p0 2.707 ± 132.2
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −478.1
Std Dev 0
2
1
0
−1
−2

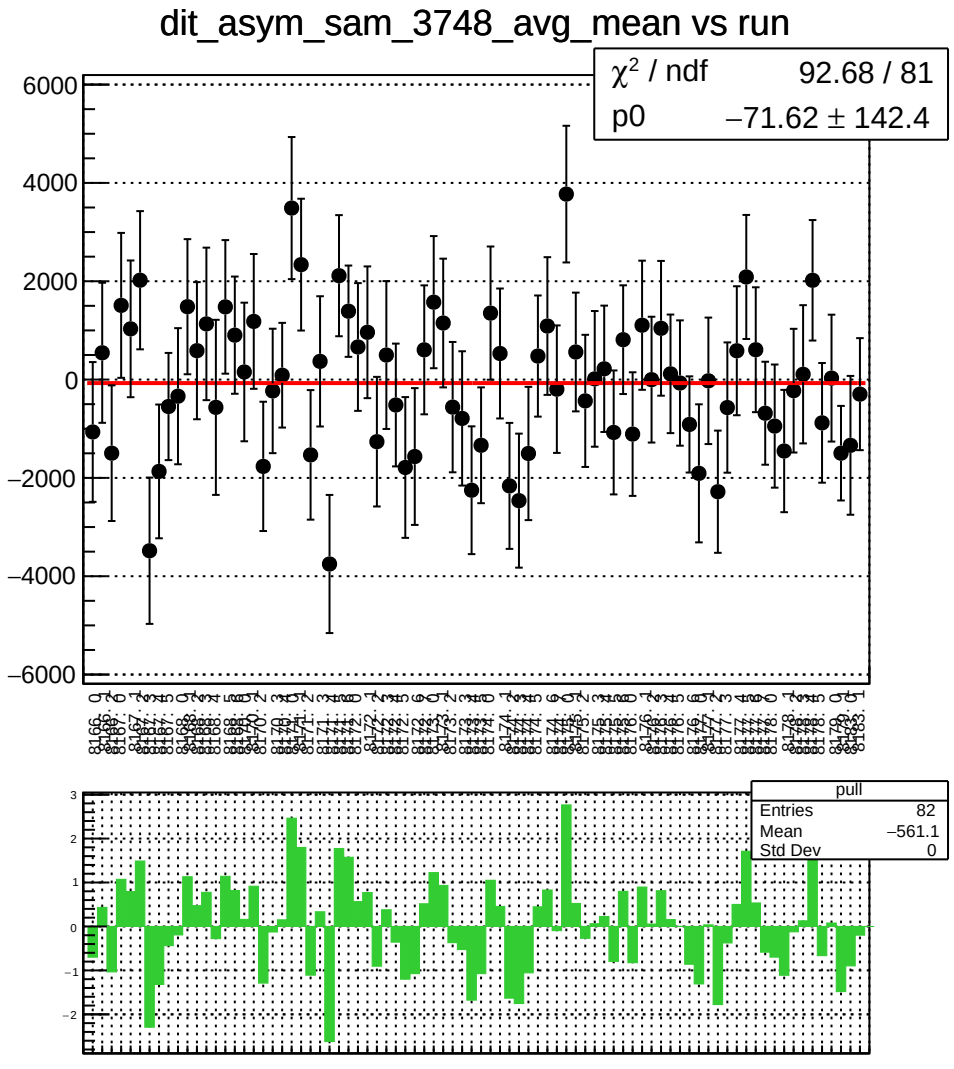

pull1D
Entries 82
Mean 0.00731
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

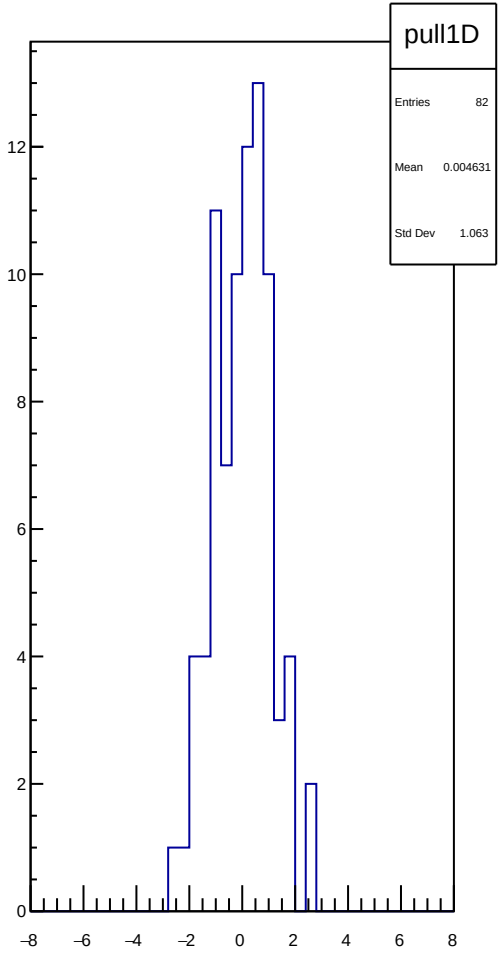

eigen_cor_asym_sam_3748_avg_rms vs run
χ^2 / ndf 6344 / 81
p0 117.4 ± 0.09351
160
150
140
130
120
110
100

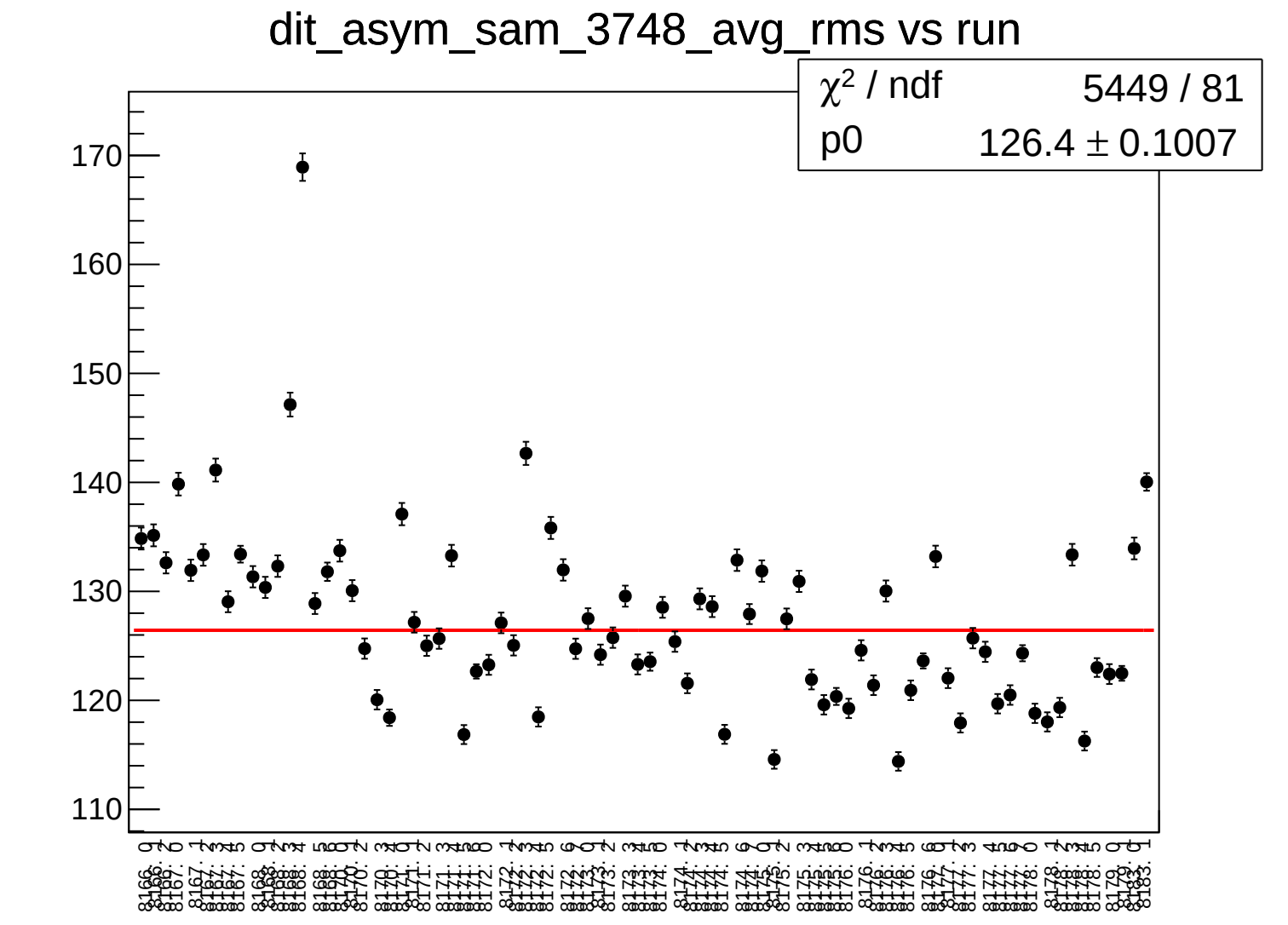

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.87 / 81
p0 −2299 ± 1942
pull
Entries 82
Mean −599.4
Std Dev 0

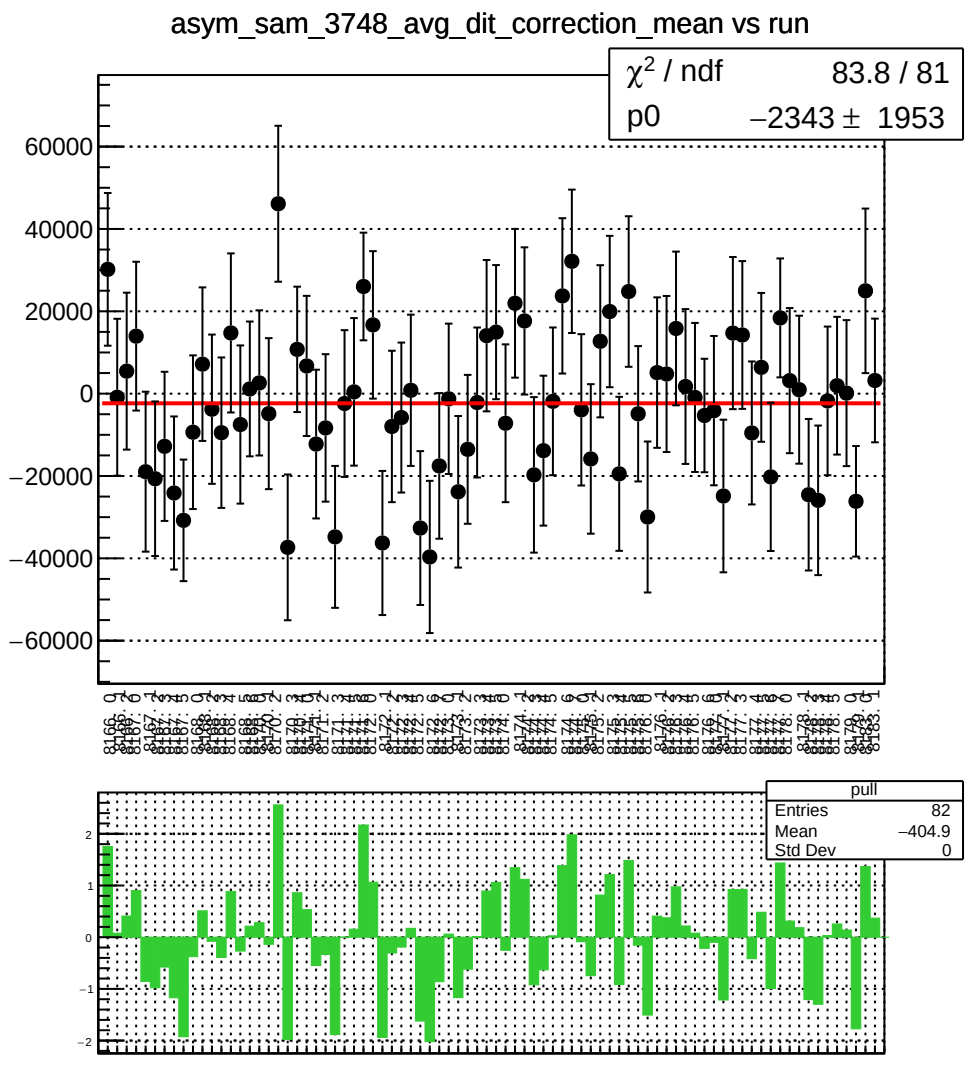

pull1D
Entries 82
Mean −0.001979
Std Dev 1.011

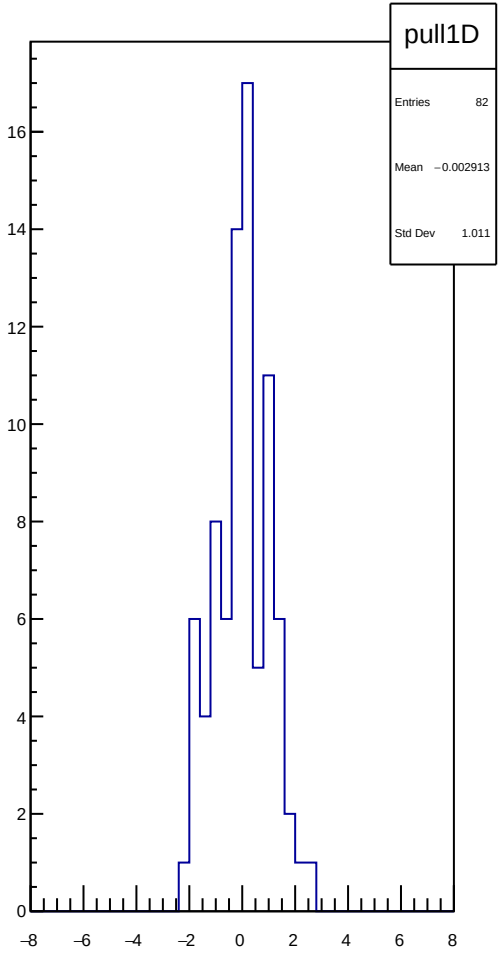

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1458 / 81
p0 1727 ± 1.373
1950
1900
1850
1800
1750
1700
1650
1600
1550

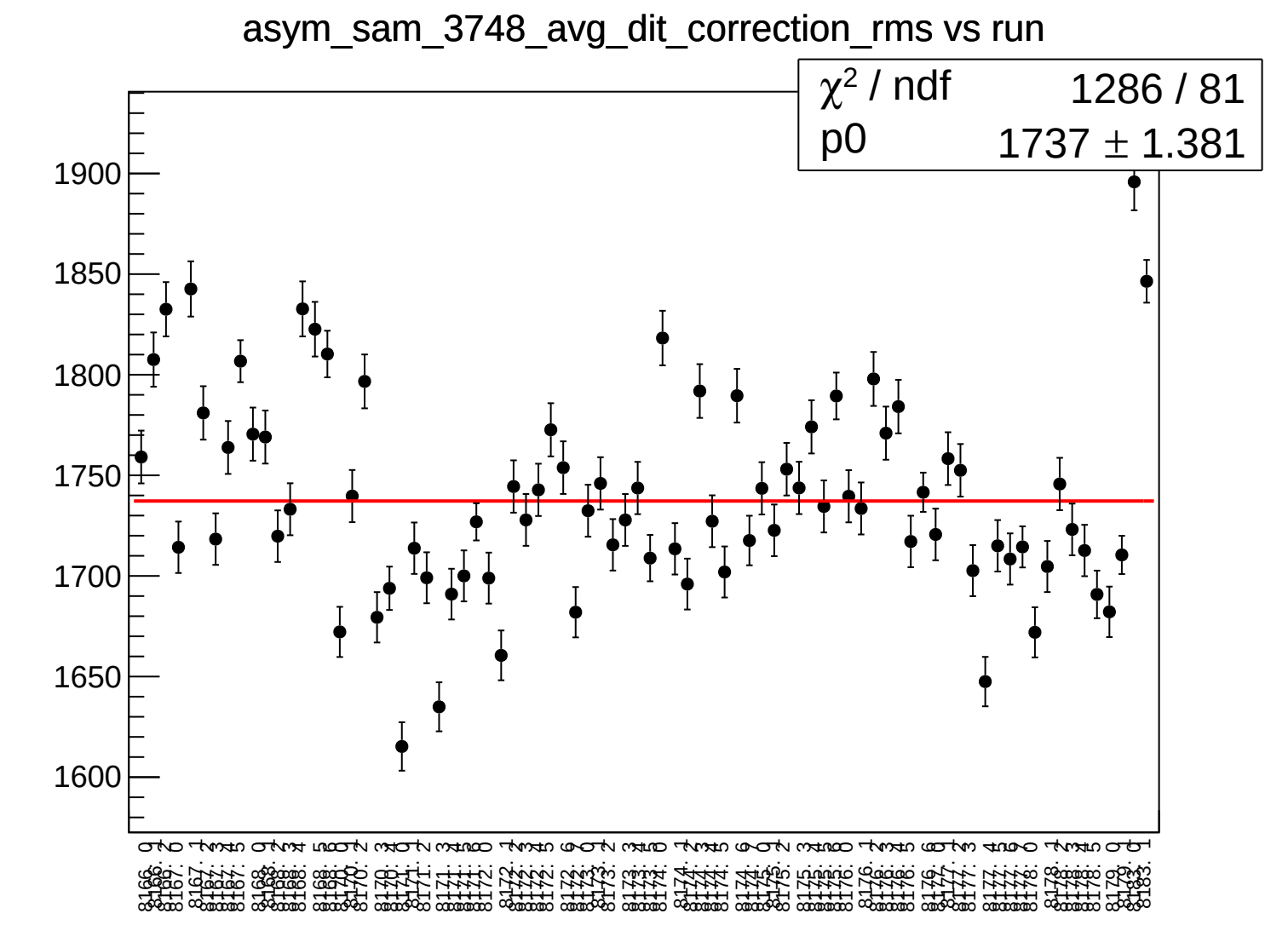

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 92.68 / 81
p0 −71.62 ± 142.4
pull
Entries 82
Mean −561.1
Std Dev 0

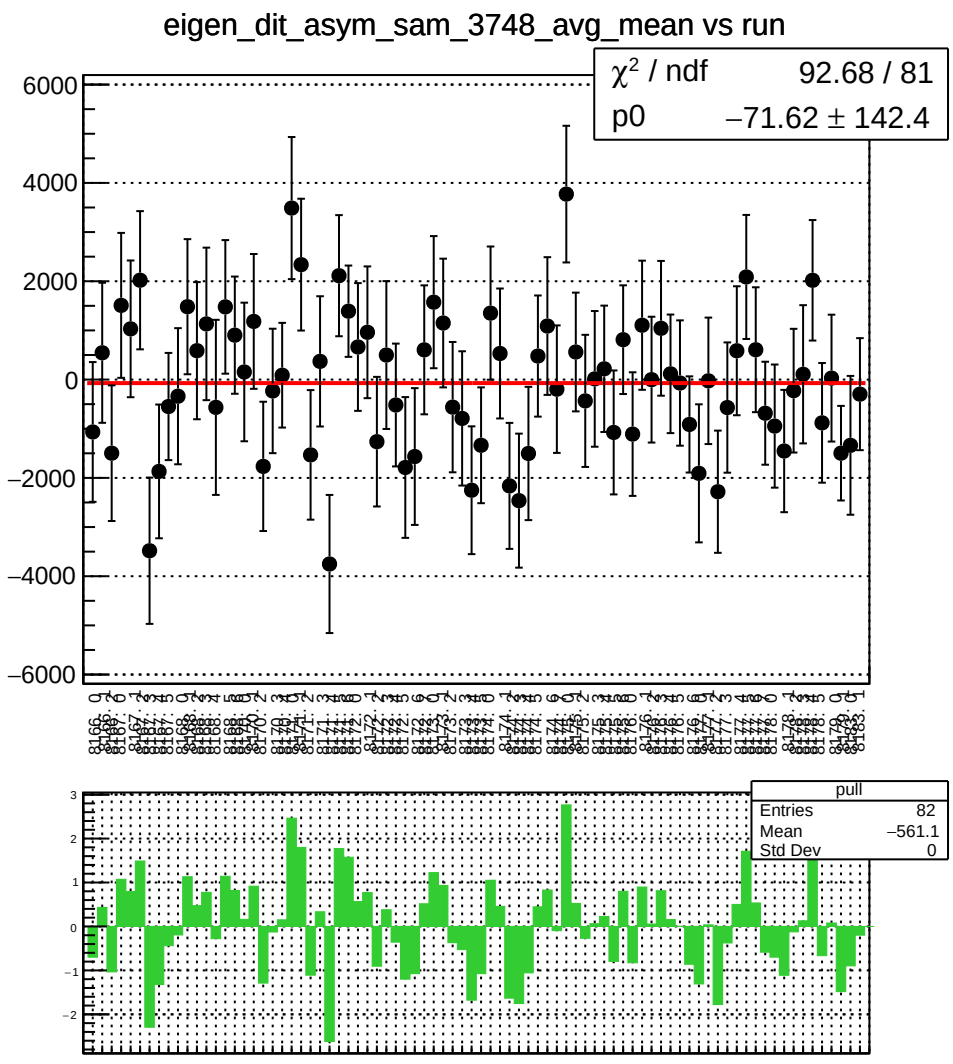

pull1D
Entries 82
Mean 0.004631
Std Dev 1.063

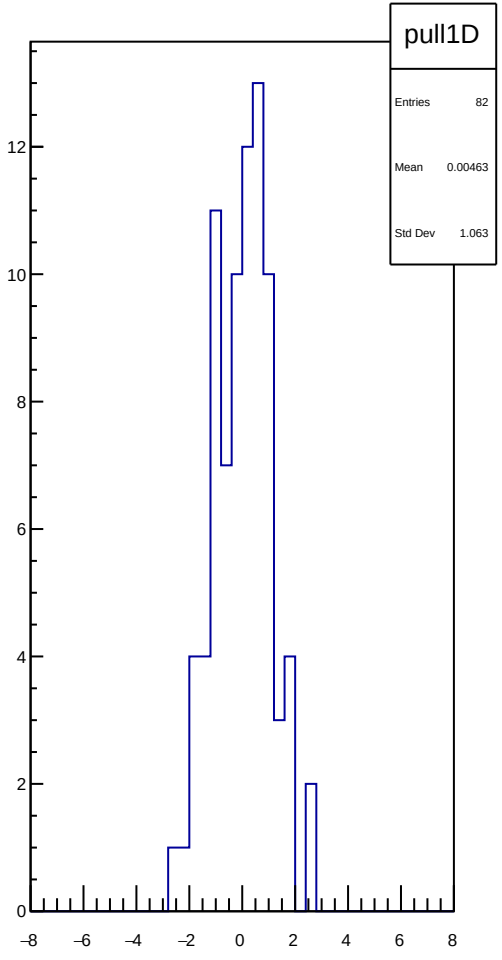

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 5449 / 81
p0 126.4 ± 0.1007
170
160
150
140
130
120
110

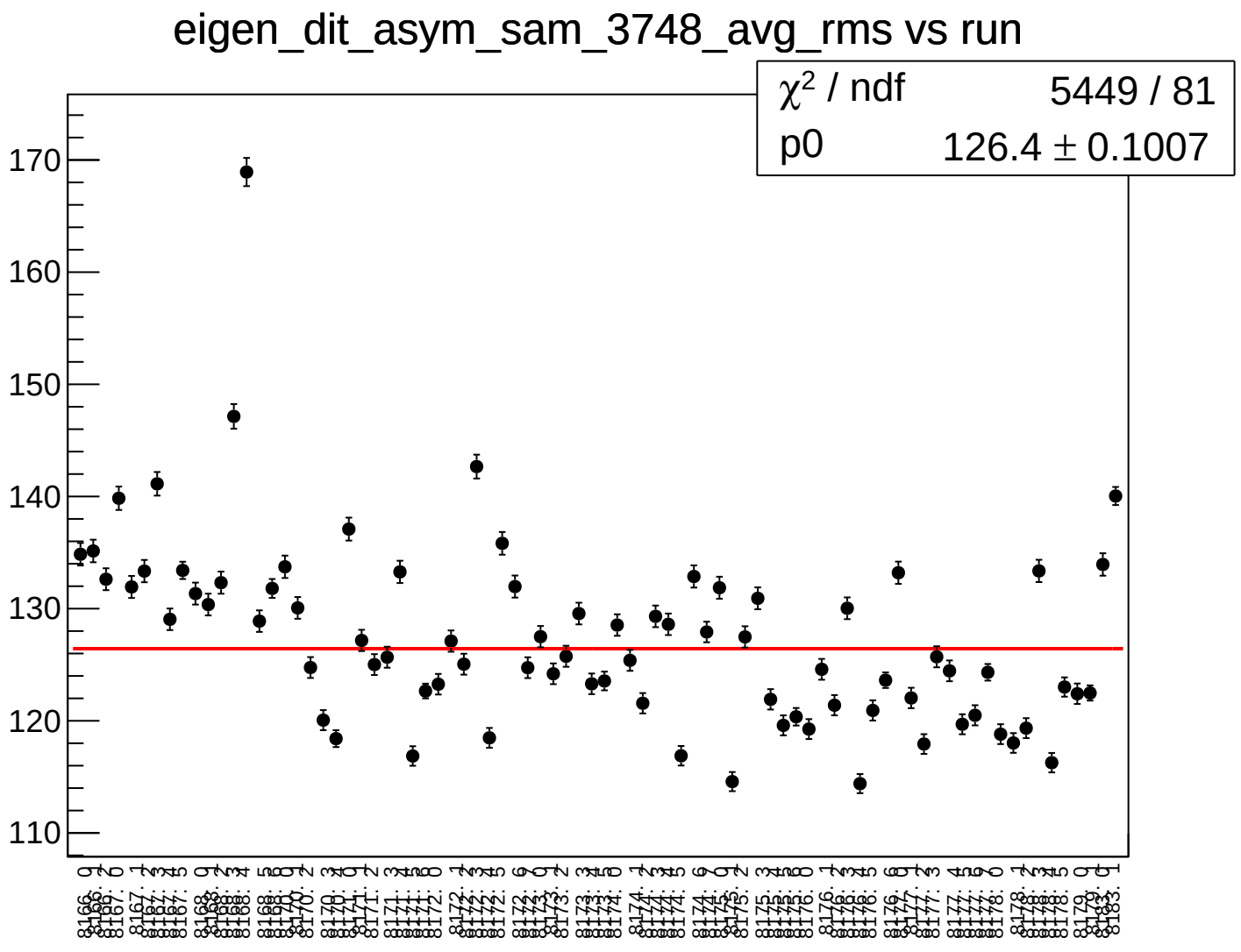

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 83.8 / 81
p0 −2343 ± 1953
pull
Entries 82
Mean −404.9
Std Dev 0

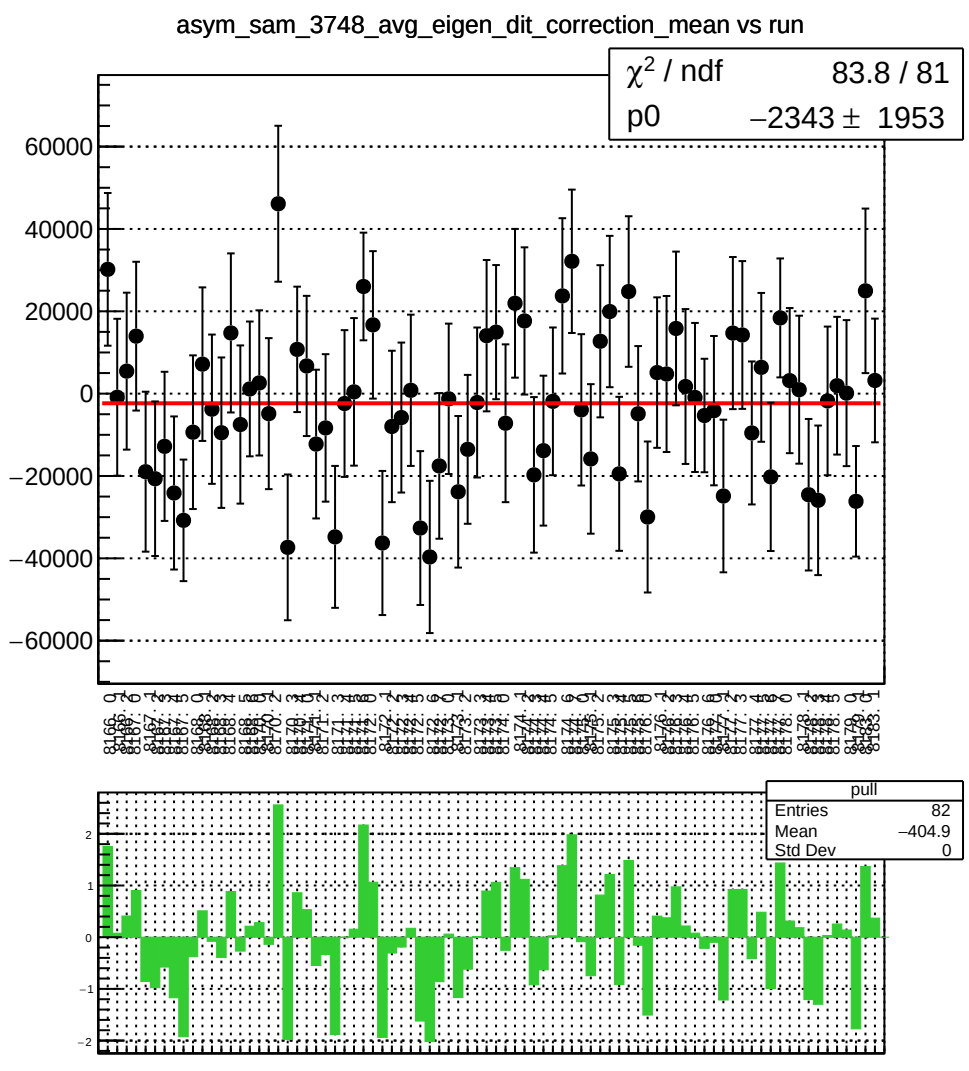

pull1D
Entries 82
Mean −0.002913
Std Dev 1.011

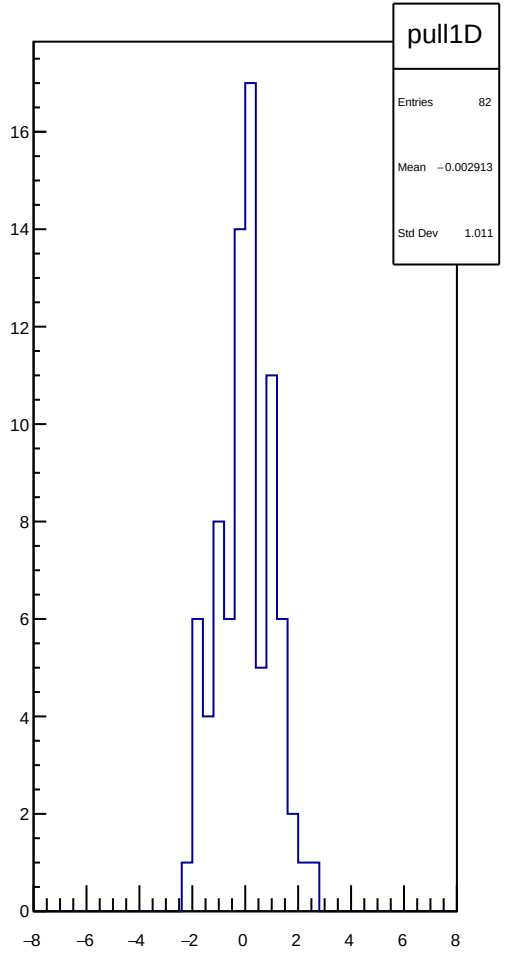

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1286 / 81
p0 1737 ± 1.381
1900
1850
1800
1750
1700
1650
1600

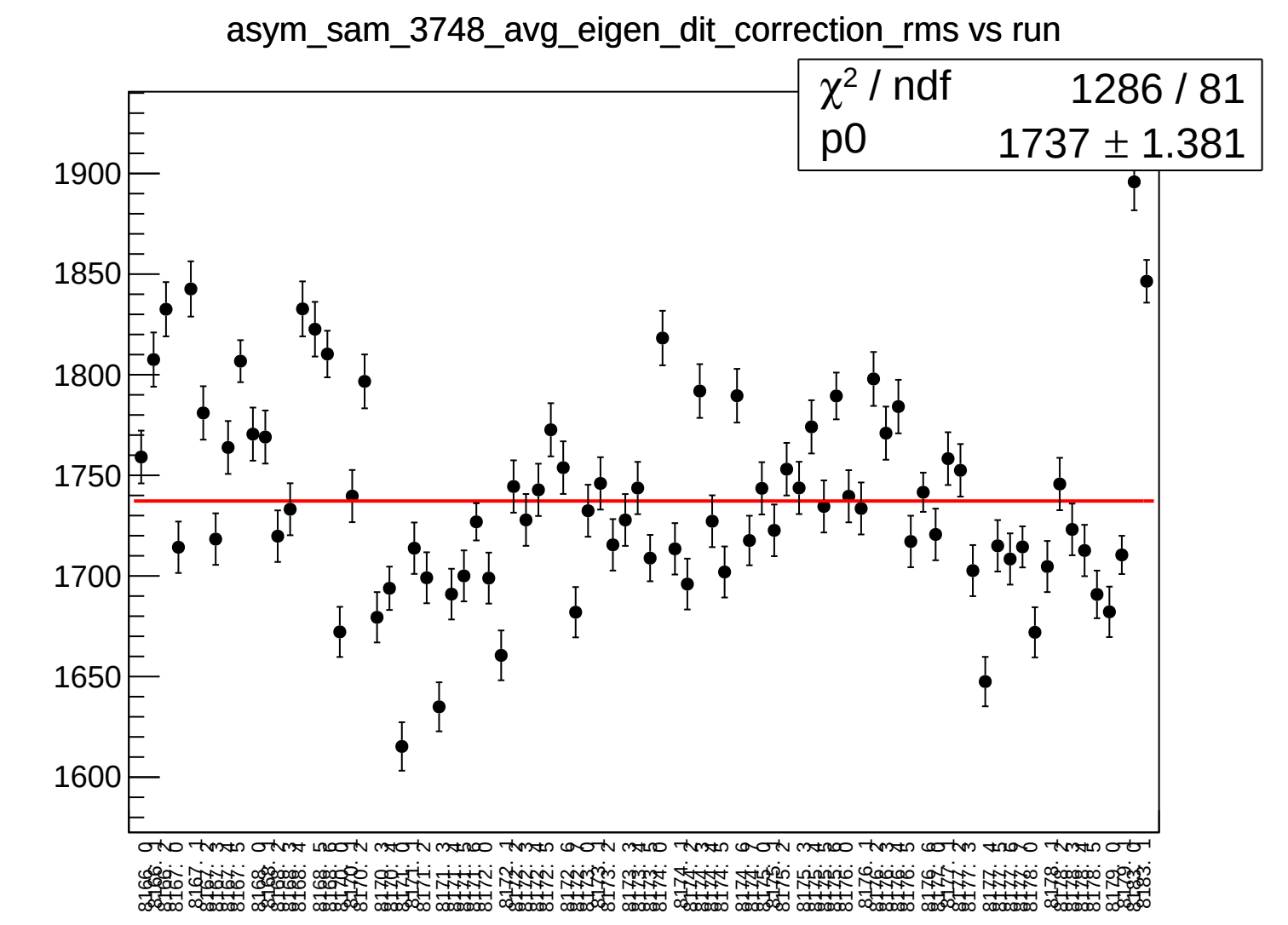

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 92.68 / 81
p0 −71.62 ± 142.4
pull
Entries 82
Mean −561.1
Std Dev 0

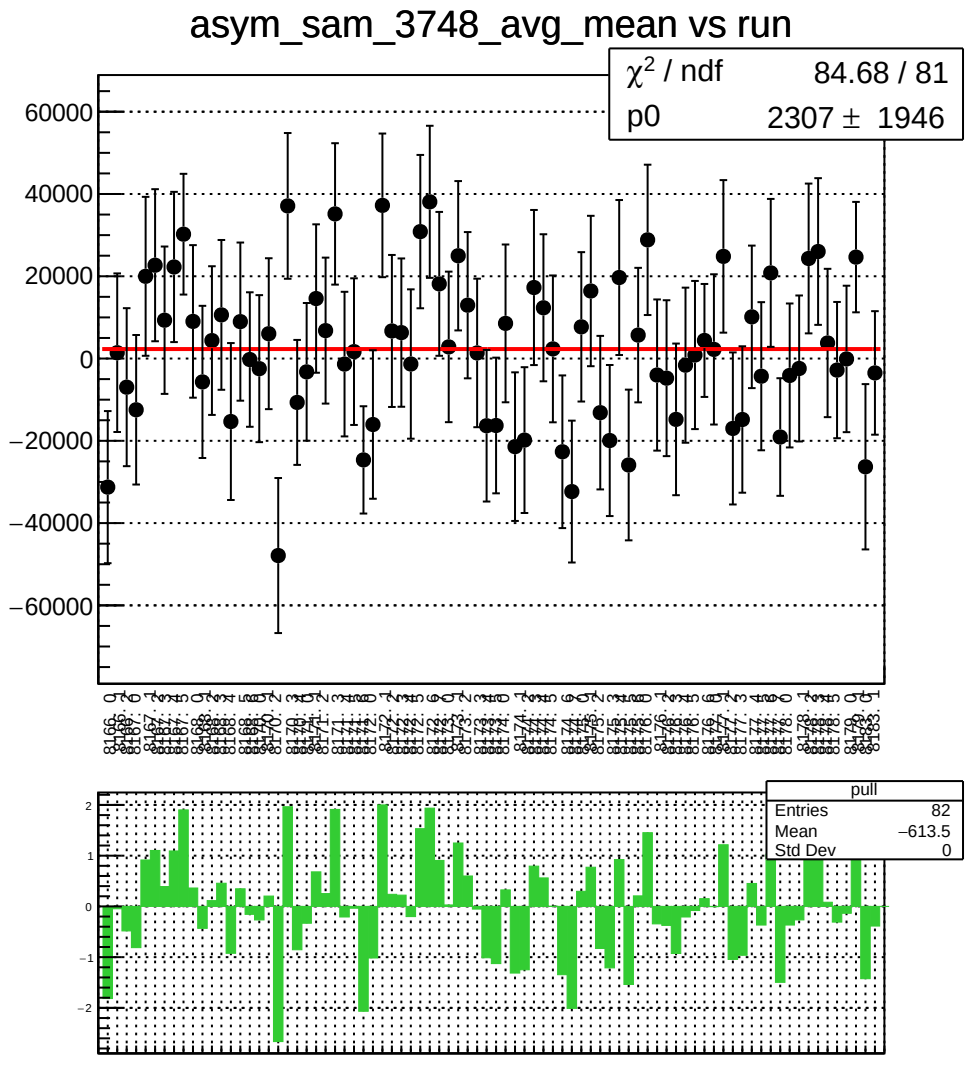

pull1D
Entries 82
Mean 0.00463
Std Dev 1.063

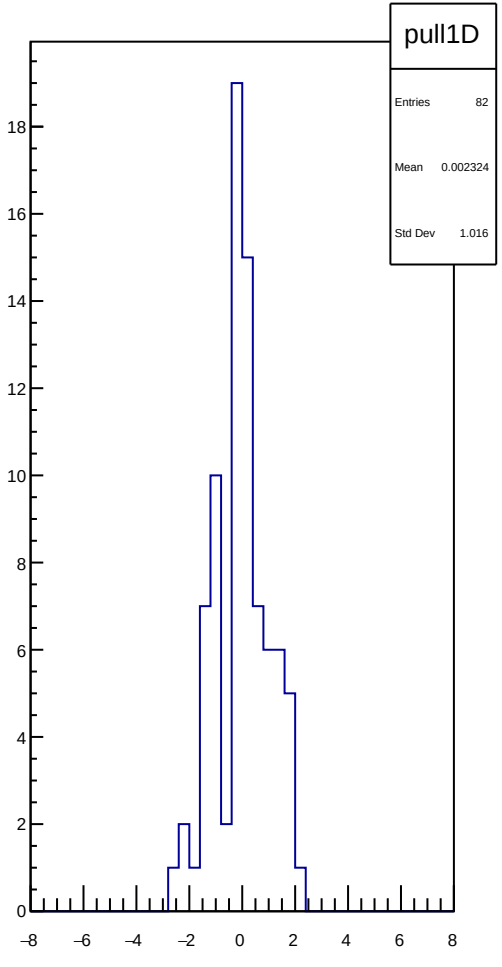

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 5449 / 81
p0 126.4 ± 0.1007
170
160
150
140
130
120
110

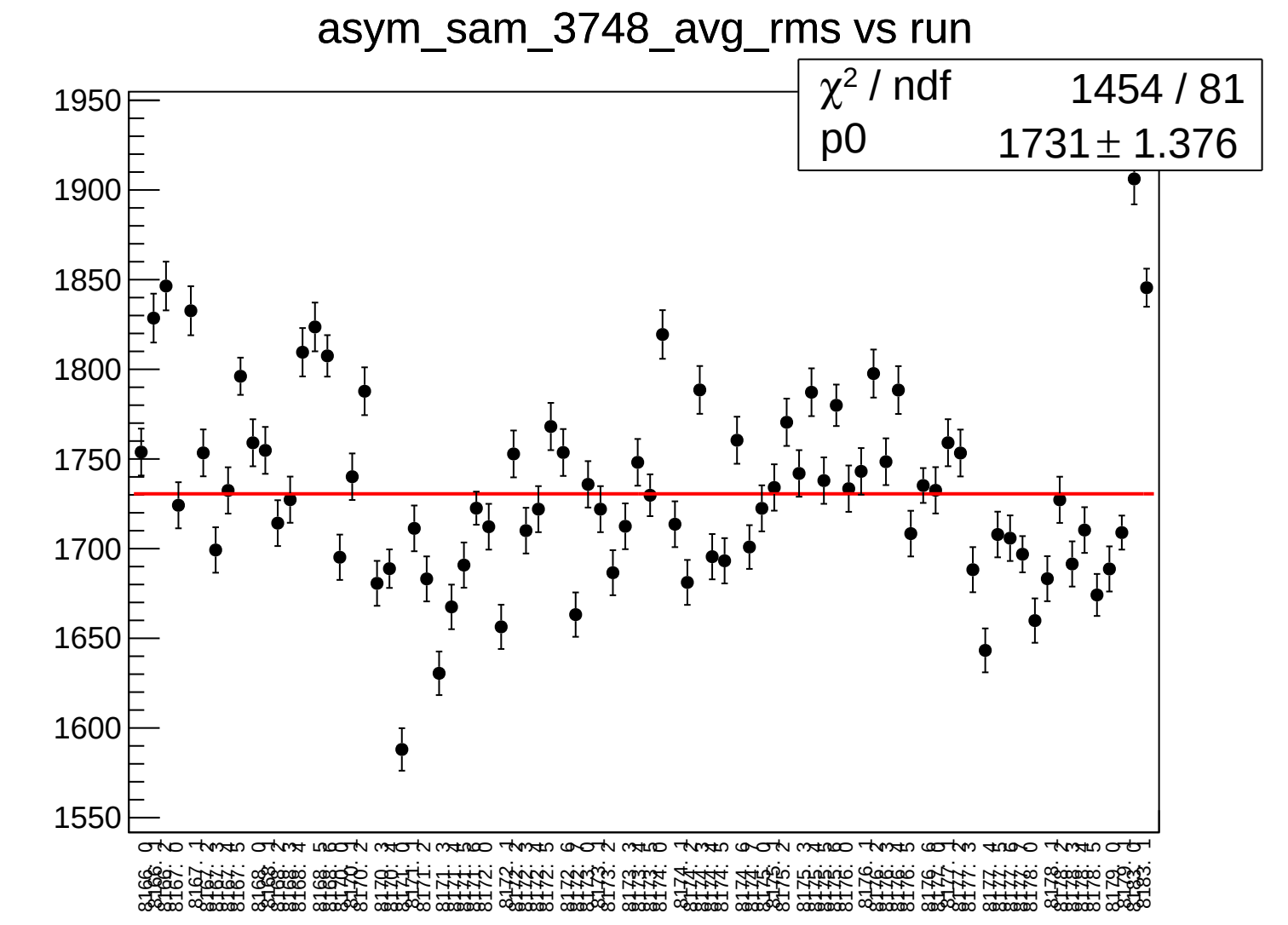

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.8 / 81
p0 −2343 ± 1953
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −404.9
Std Dev 0
2
1
0
−1
−2

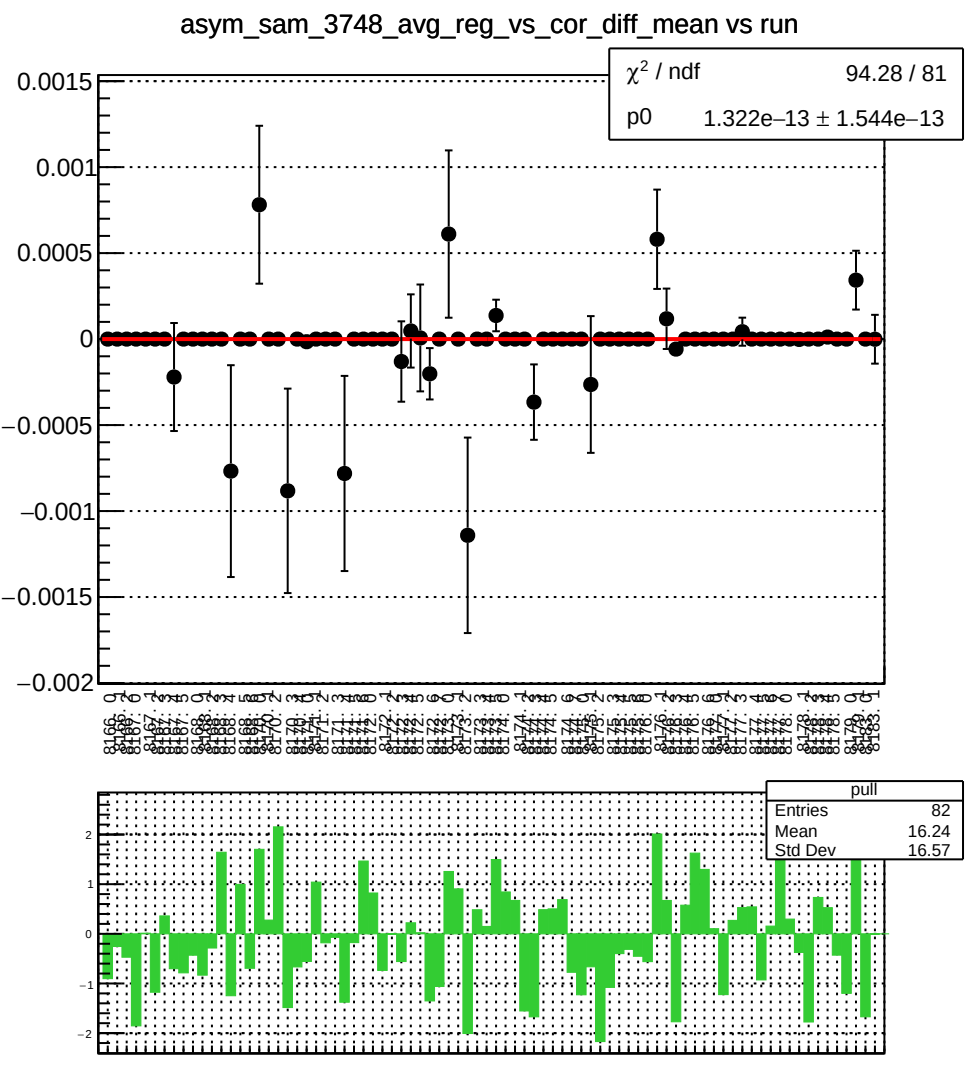

pull1D
Entries 82
Mean −0.002913
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

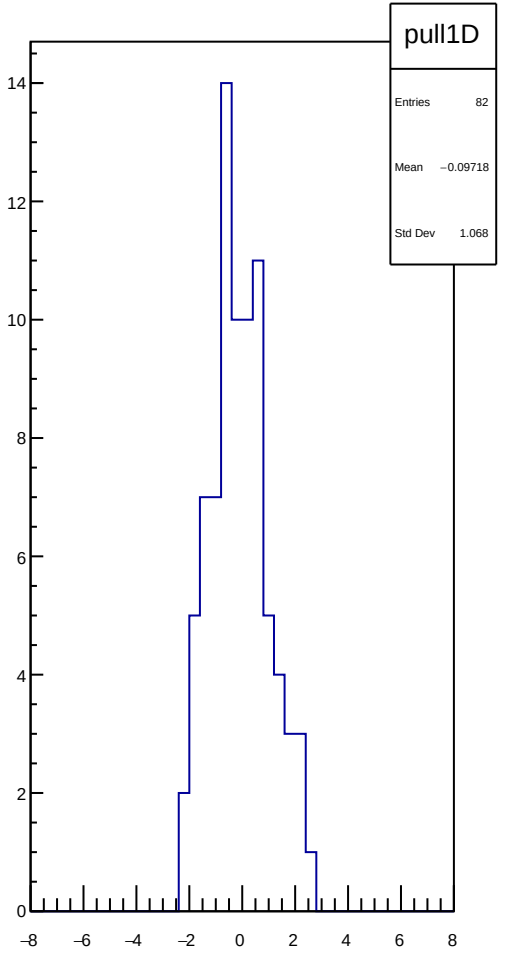

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1286 / 81
p0 1737 ± 1.381
1900
1850
1800
1750
1700
1650
1600

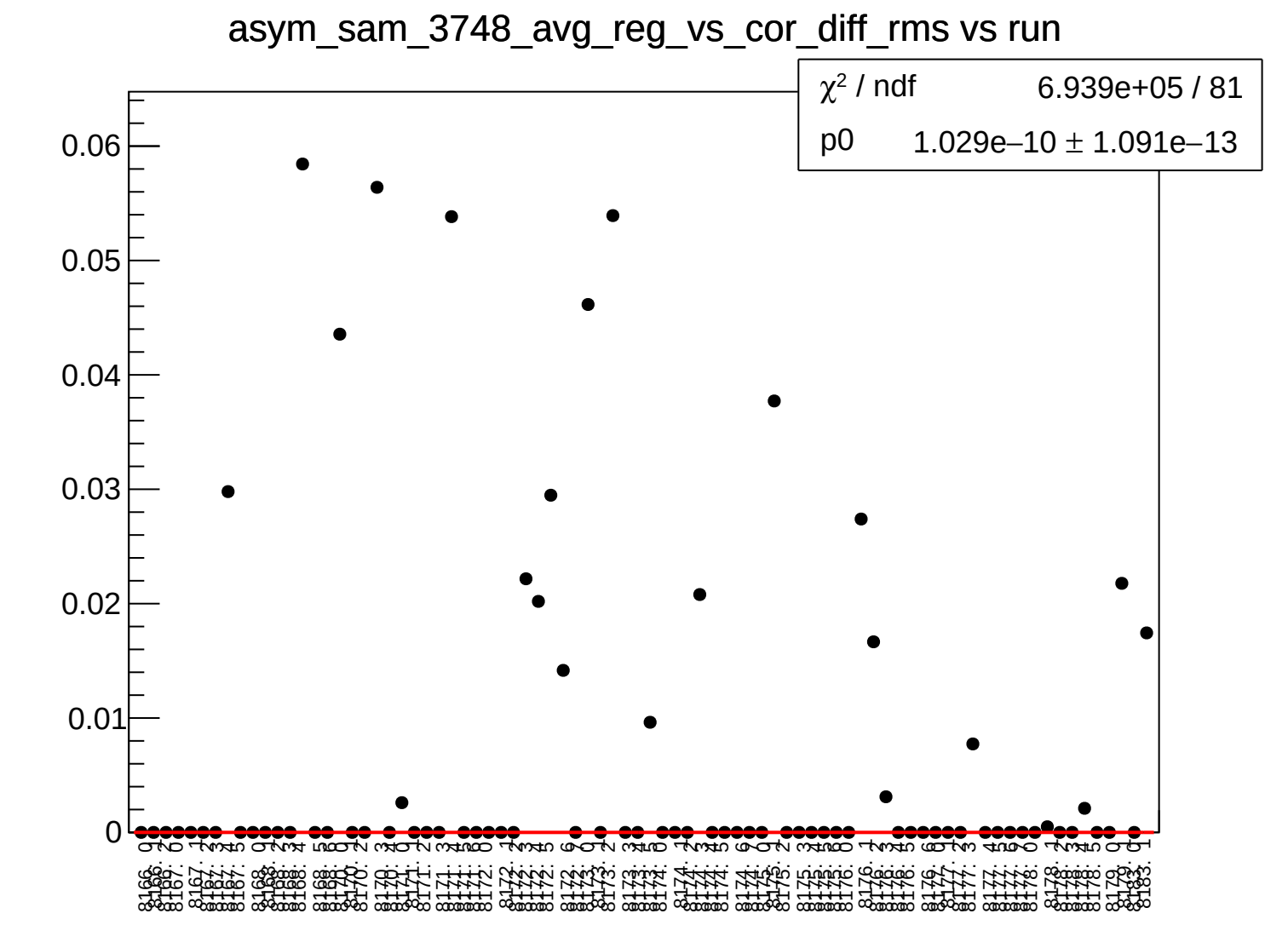

asym_sam_3748_avg_mean vs run
χ^2 / ndf 84.68 / 81
p0 2307 ± 1946
pull
Entries 82
Mean −613.5
Std Dev 0

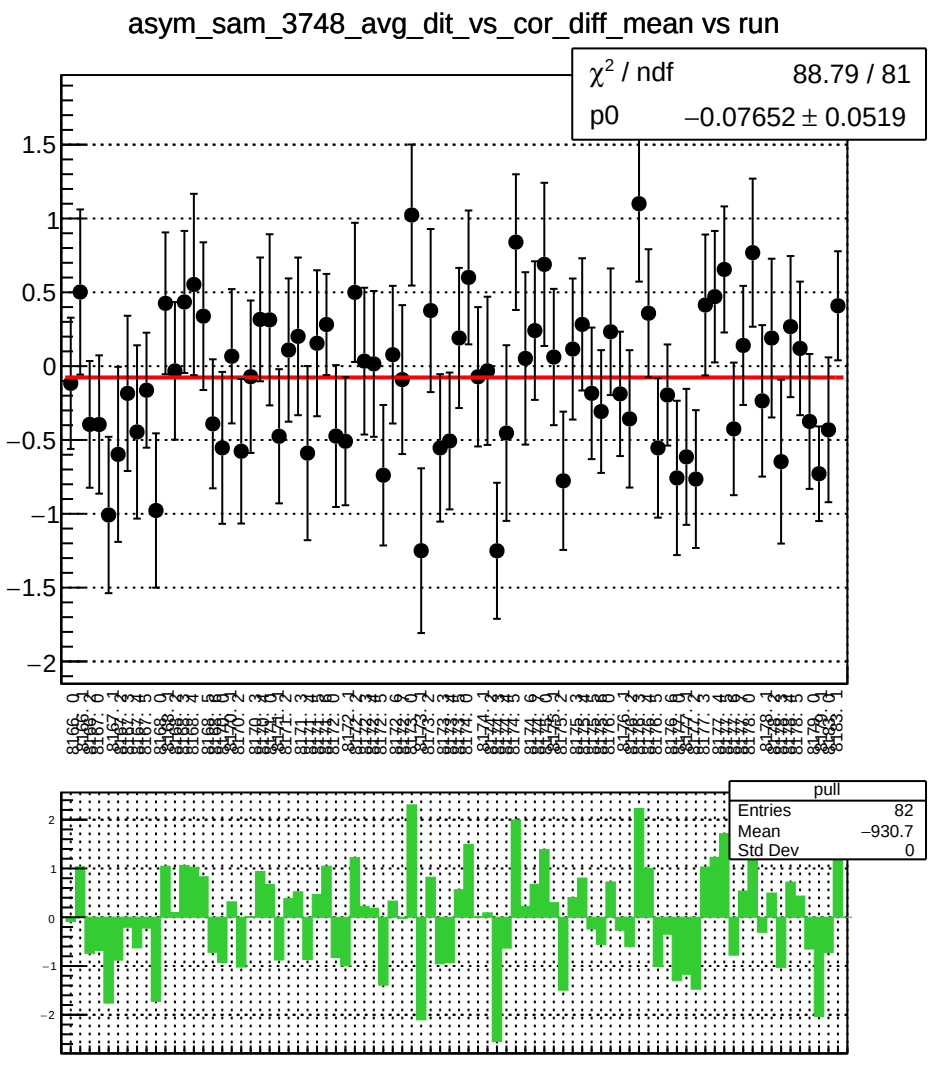

pull1D
Entries 82
Mean 0.002324
Std Dev 1.016

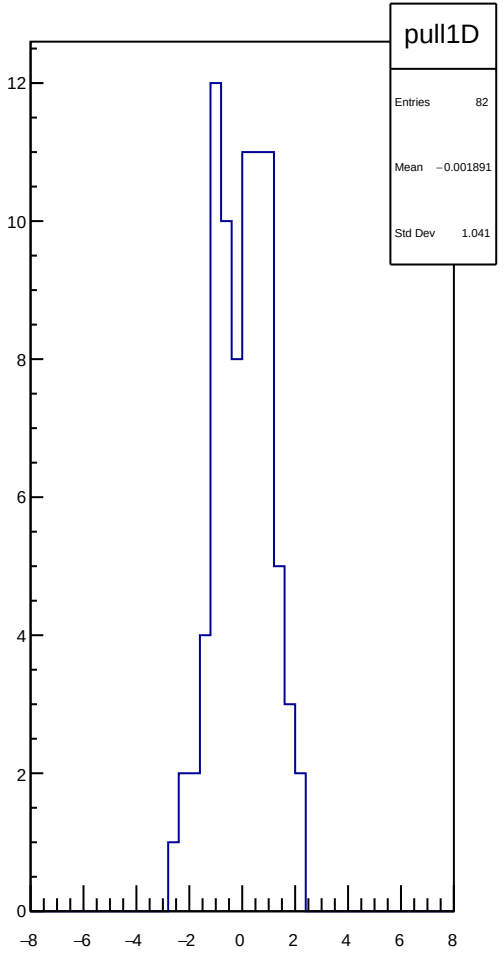

asym_sam_3748_avg_rms vs run
χ² / ndf 1454 / 81
p0 1731 ± 1.376
1950
1900
1850
1800
1750
1700
1650
1600
1550

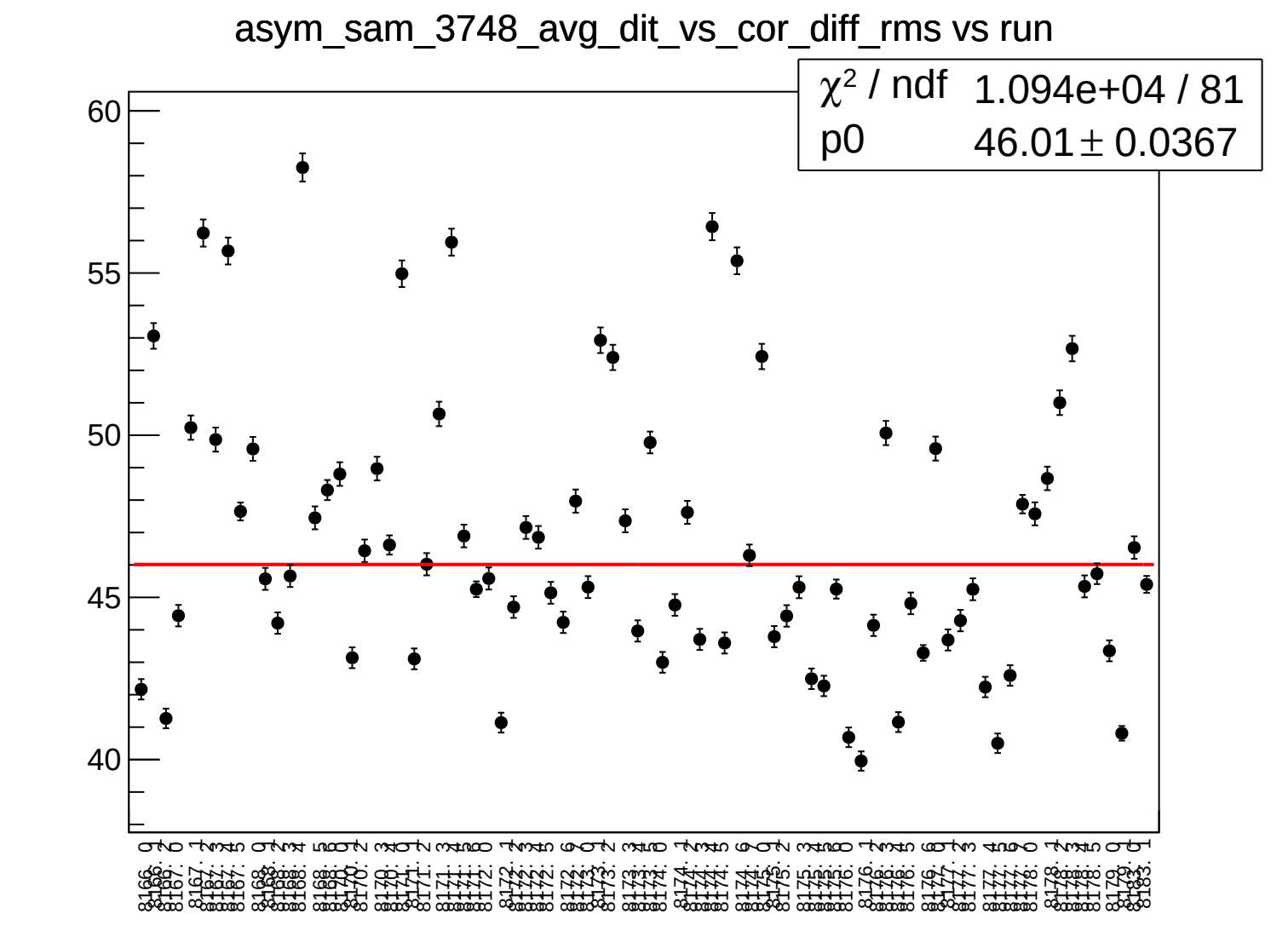

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 94.28 / 81
p0 1.322e−13 ± 1.544e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 82
Mean 16.24
Std Dev 16.57
2
1
0
−1
−2

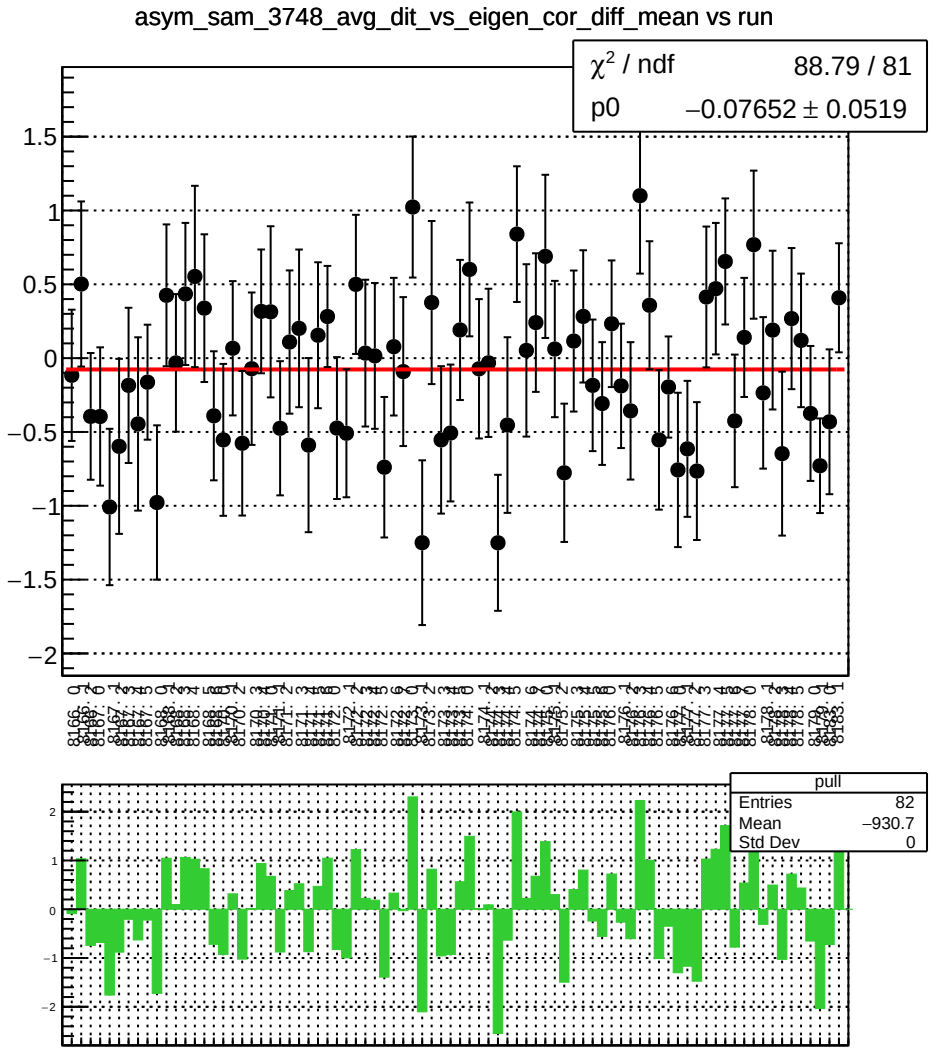

pull1D
Entries 82
Mean −0.09718
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

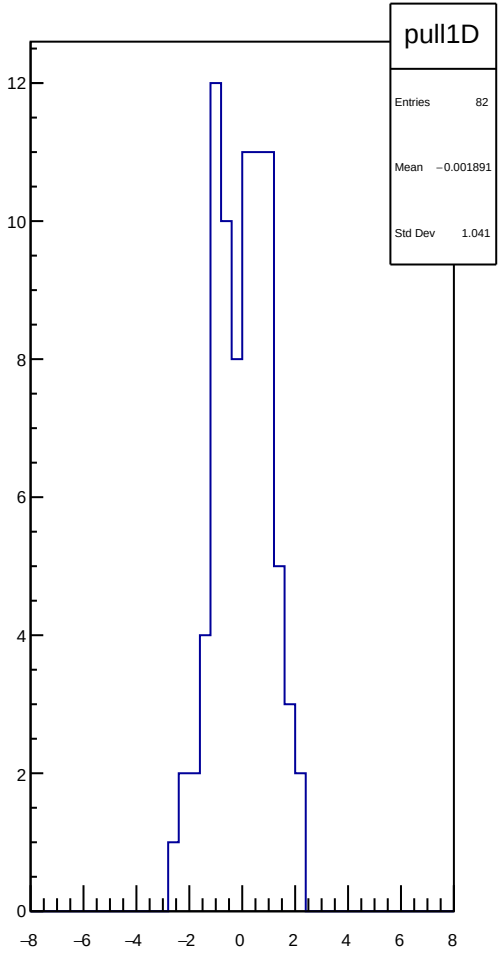

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.939e+05 / 81
p0 1.029e−10 ± 1.091e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

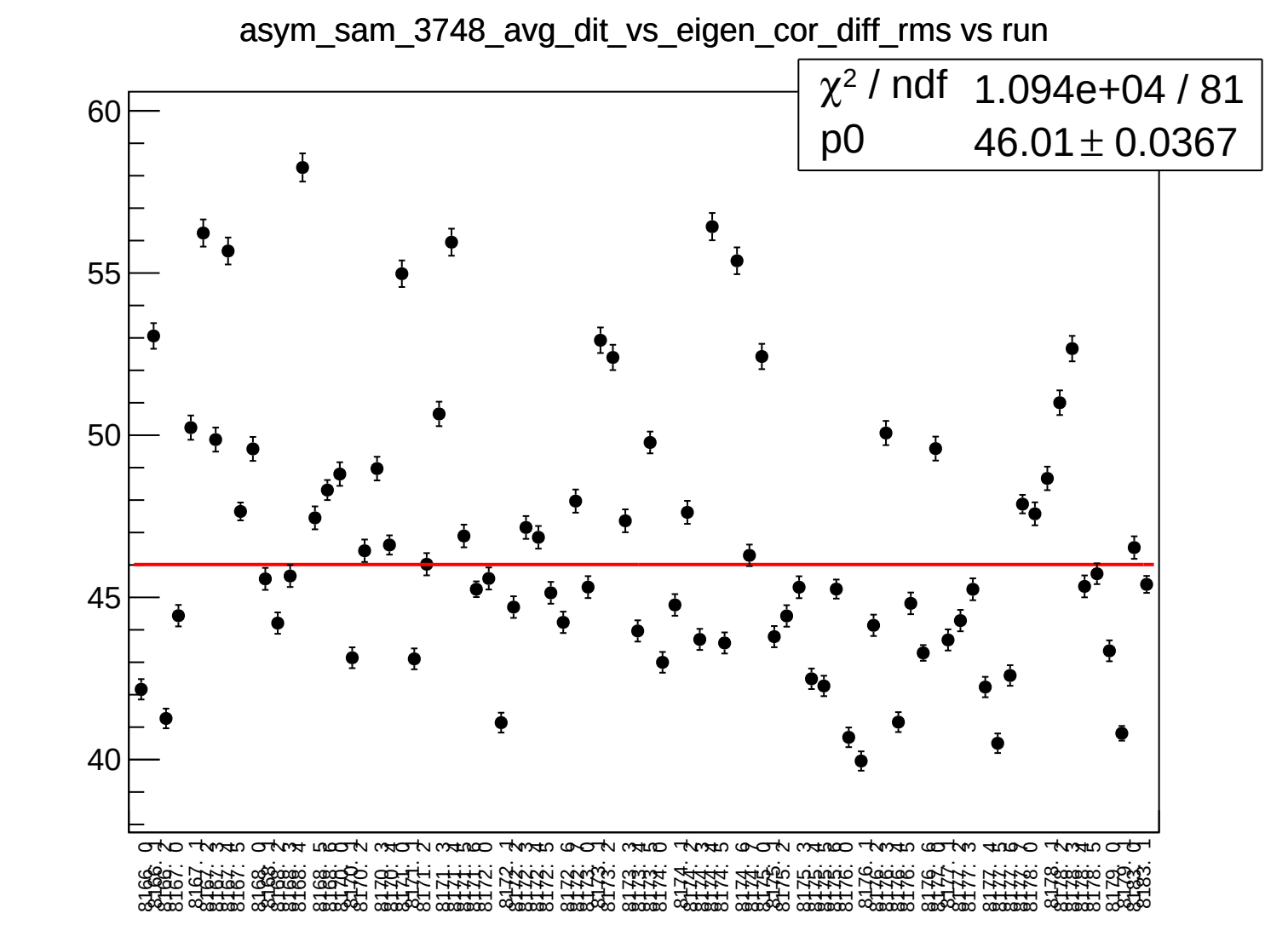

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 88.79 / 81
p0 −0.07652 ± 0.0519
pull
Entries 82
Mean −930.7
Std Dev 0

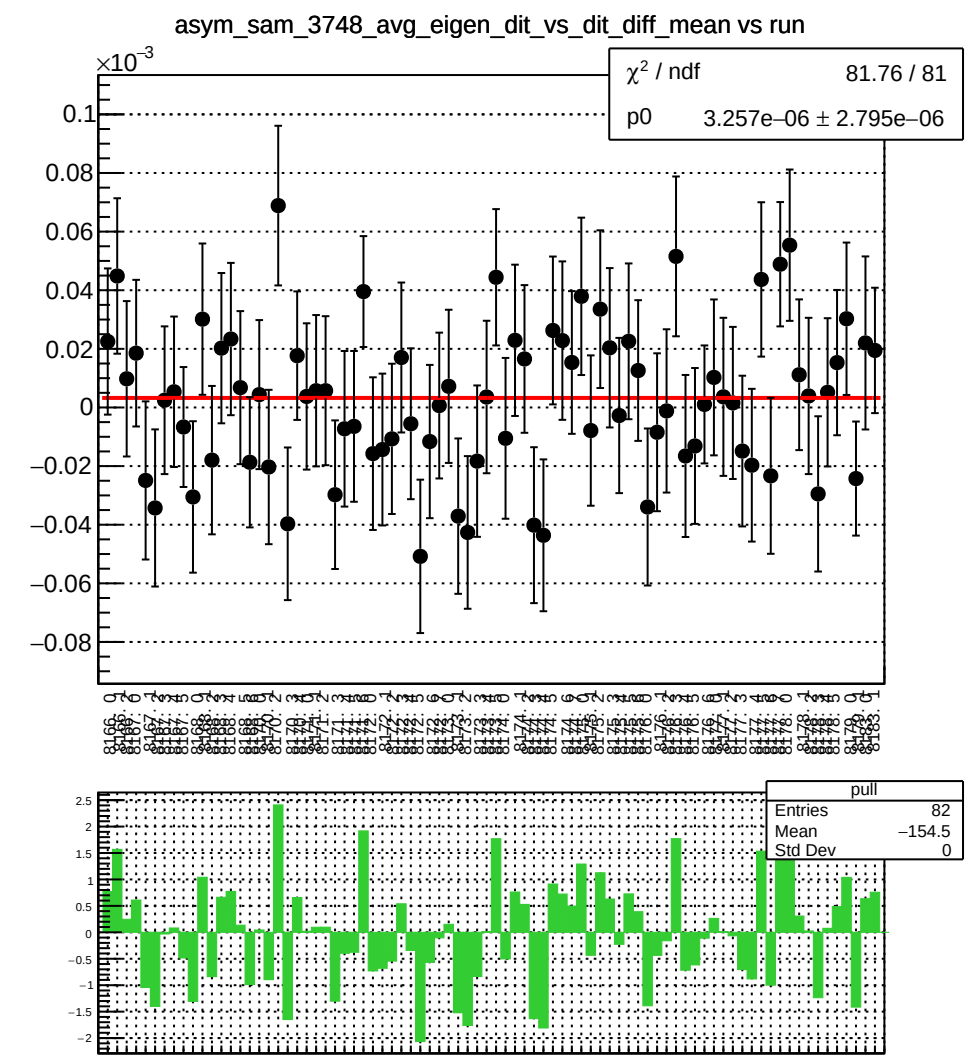

pull1D
Entries 82
Mean −0.001891
Std Dev 1.041

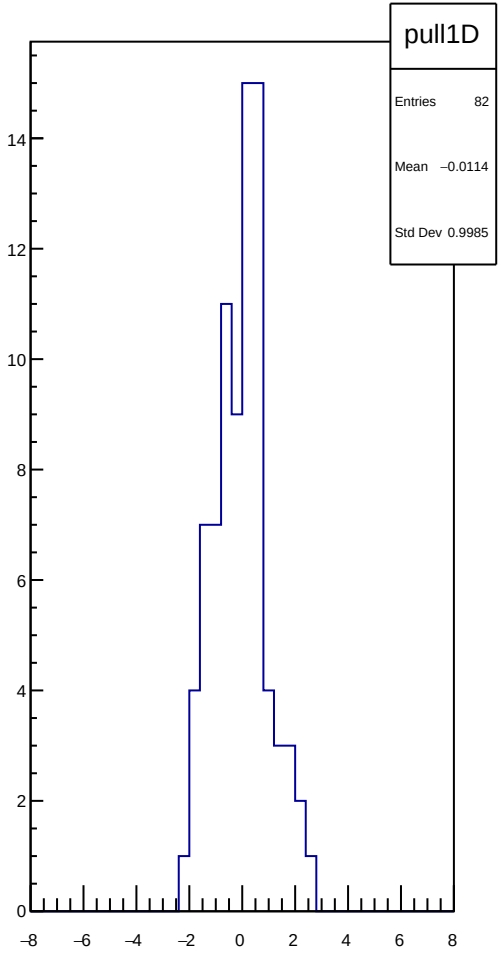

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.094e+04 / 81
p0 46.01 ± 0.0367
60
55
50
45
40

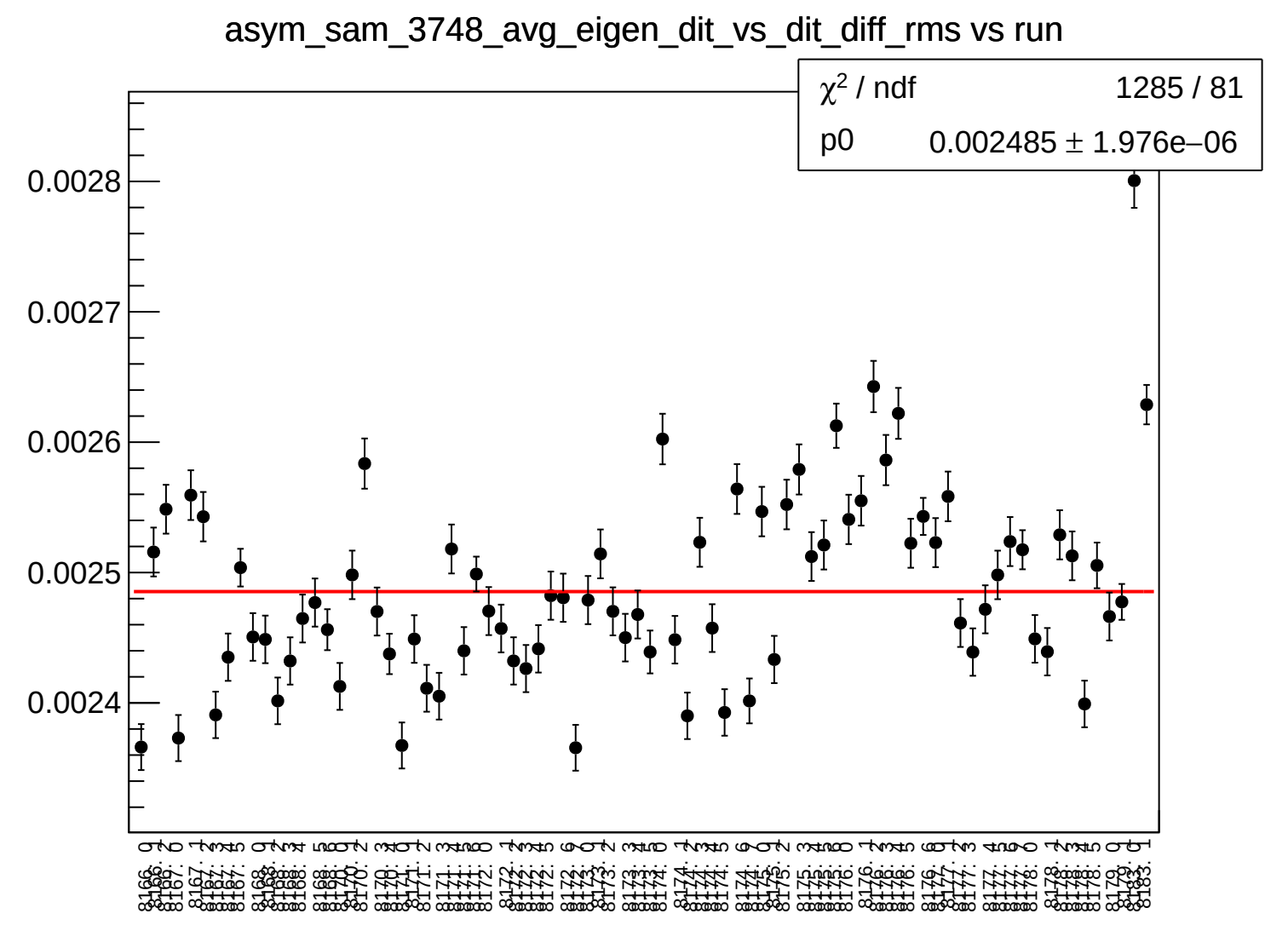

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.79 / 81
p0 −0.07652 ± 0.0519
pull
Entries 82
Mean −930.7
Std Dev 0

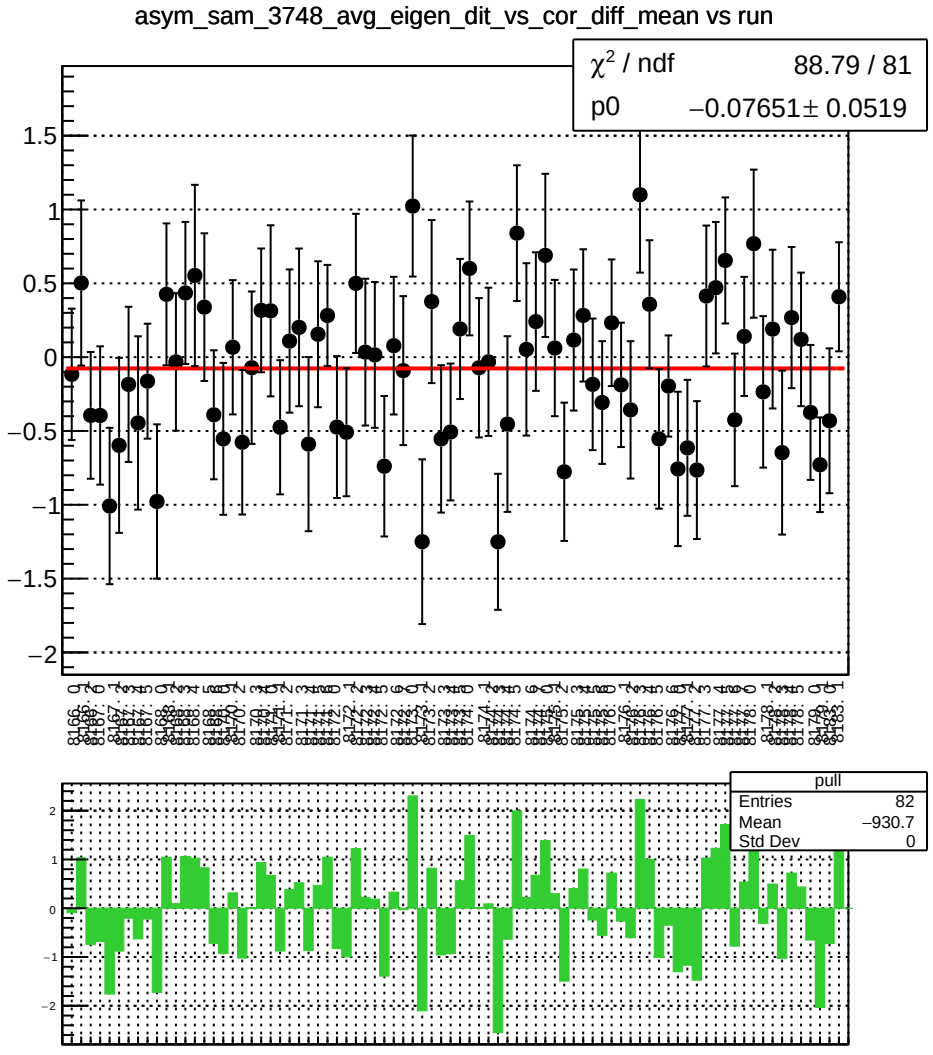

pull1D
Entries 82
Mean −0.001891
Std Dev 1.041

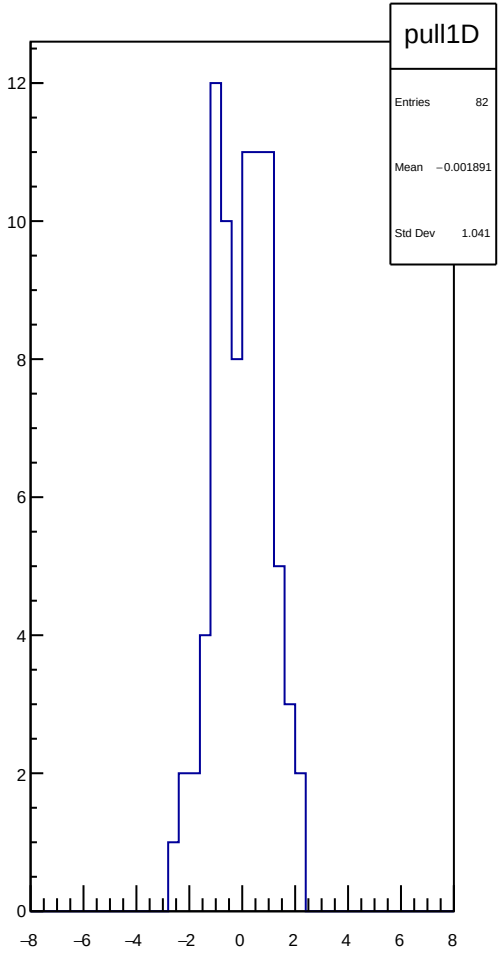

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.094e+04 / 81
p0 46.01 ± 0.0367
60
55
50
45
40

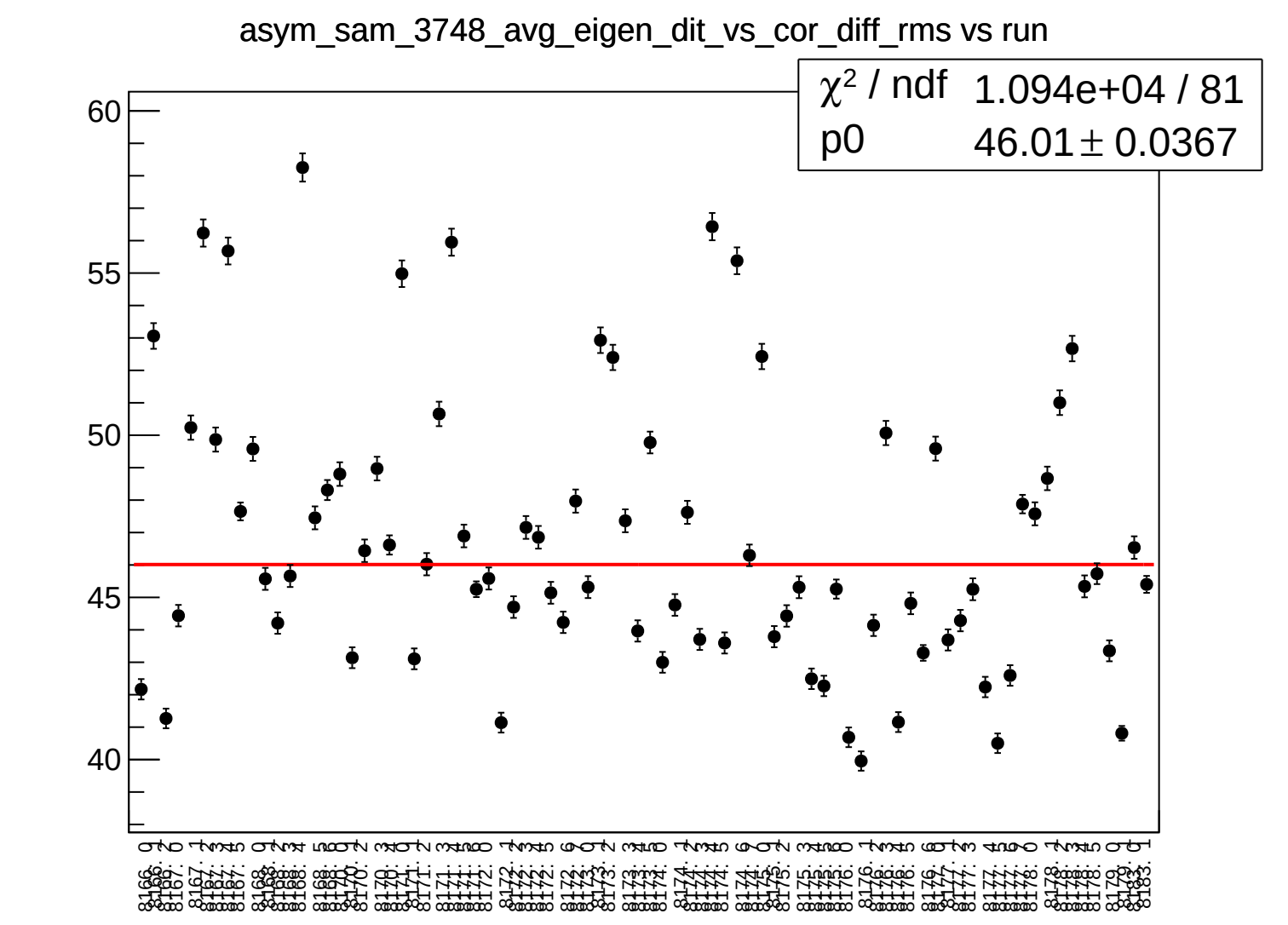

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.76 / 81
p0 3.257e−06 ± 2.795e−06
pull
Entries 82
Mean −154.5
Std Dev 0

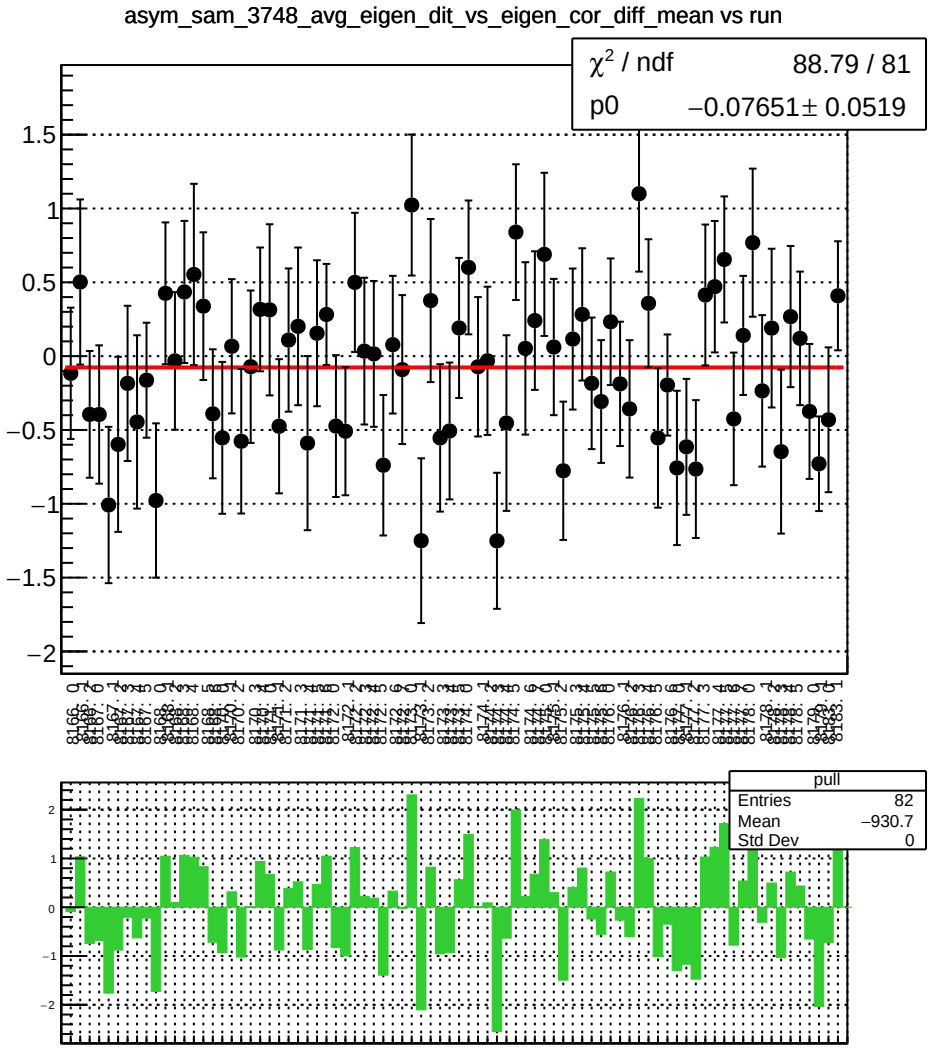

pull1D
Entries 82
Mean −0.0114
Std Dev 0.9985

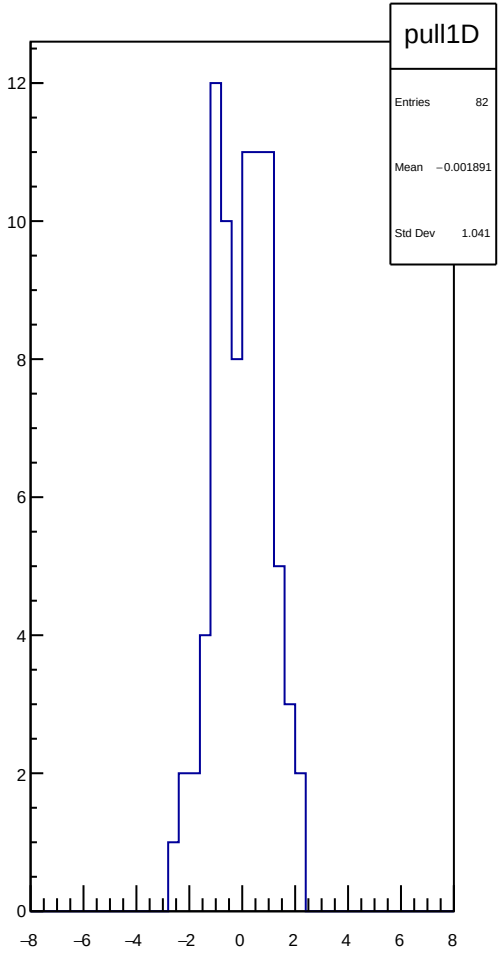

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1285 / 81
p0 0.002485 ± 1.976e−06
0.0028
0.0027
0.0026
0.0025
0.0024

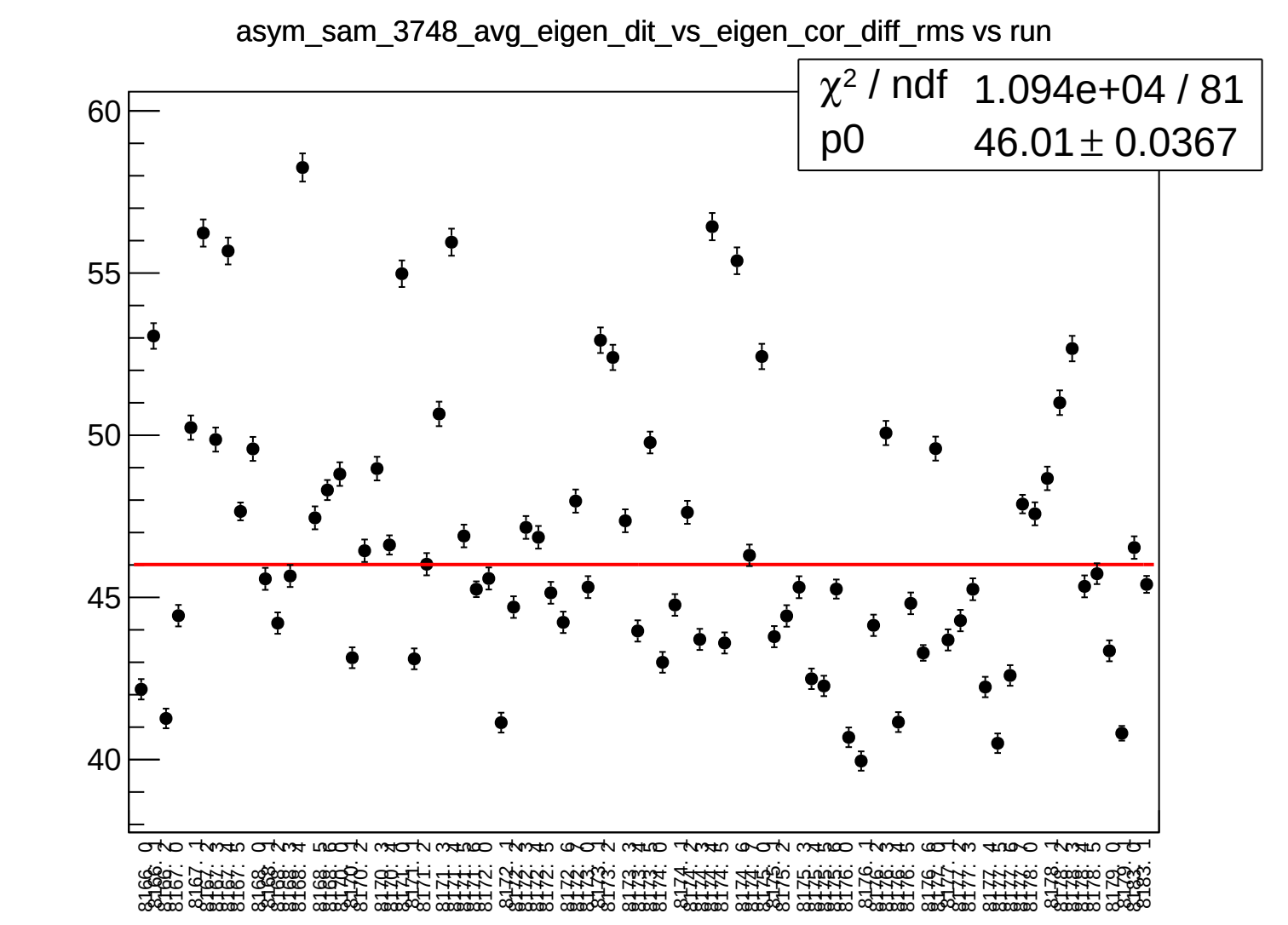

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.79 / 81
p0 −0.07651 ± 0.0519
pull
Entries 82
Mean −930.7
Std Dev 0

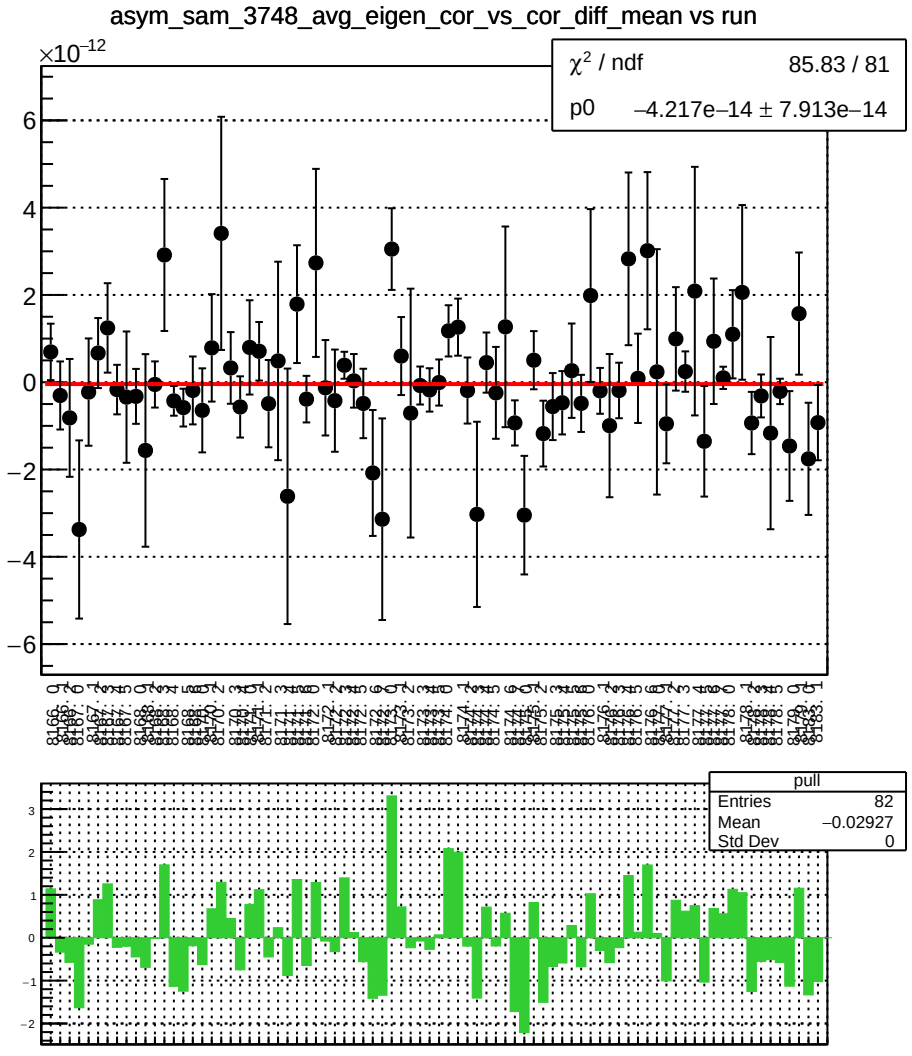

pull1D
Entries 82
Mean −0.001891
Std Dev 1.041

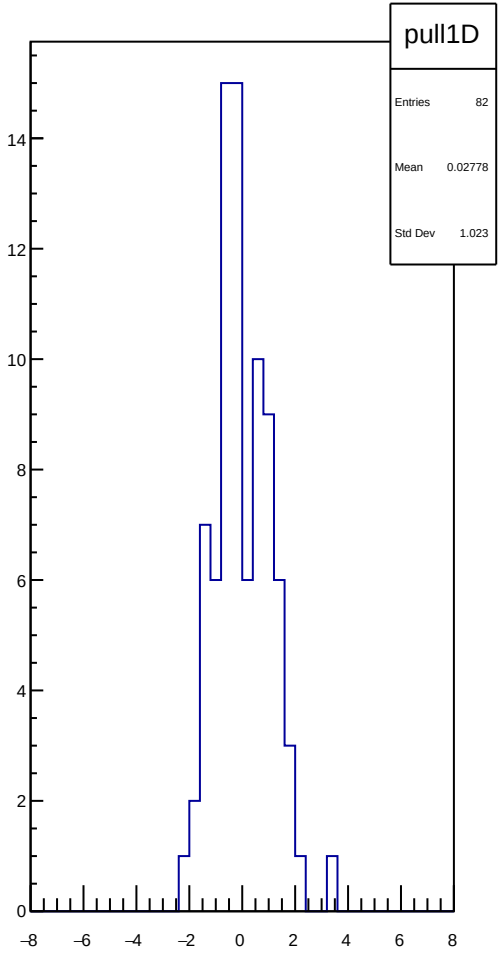

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.094e+04 / 81
p0 46.01 ± 0.0367
60
55
50
45
40

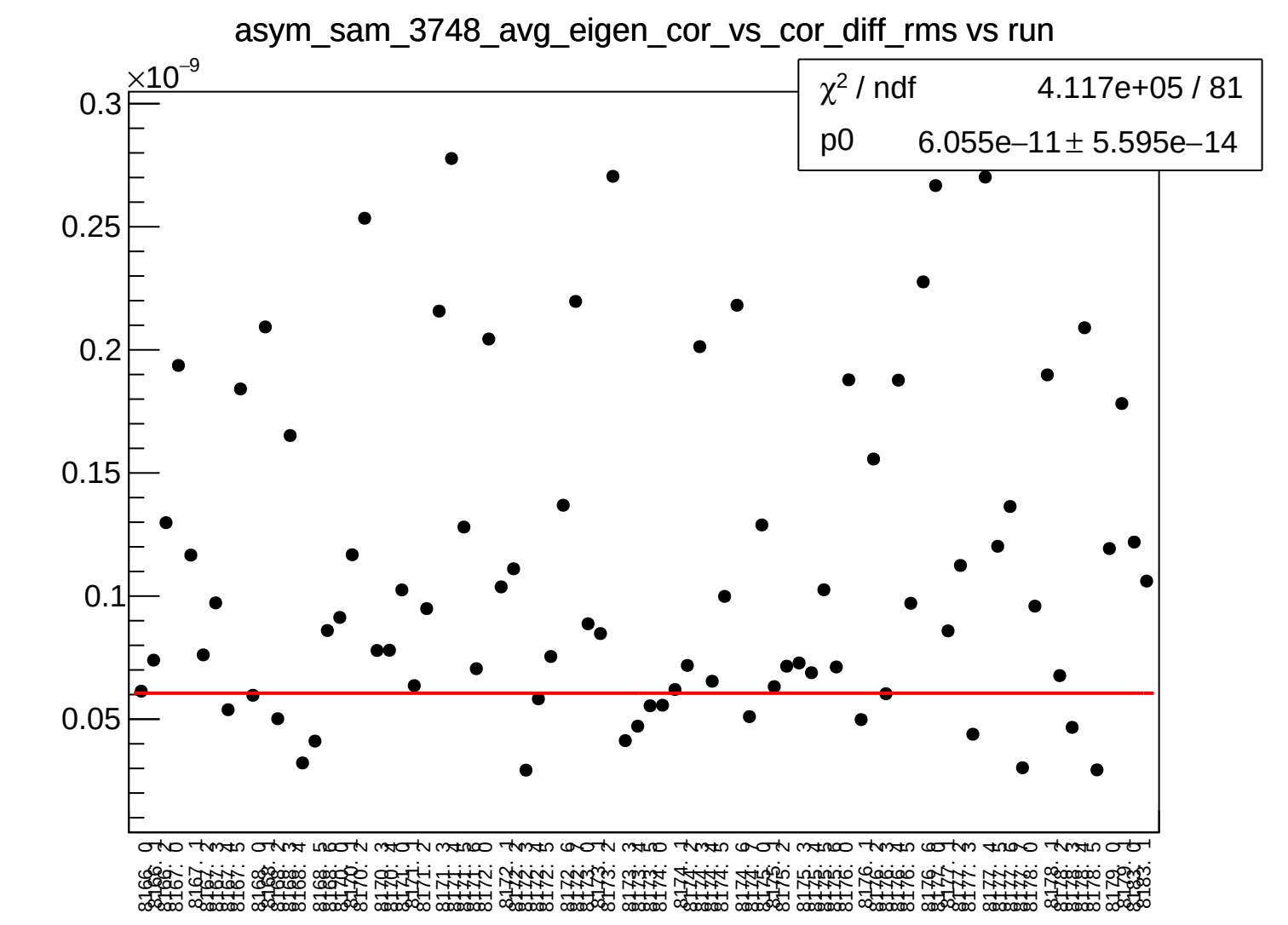

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.79 / 81
p0 −0.07651 ± 0.0519
pull
Entries 82
Mean −930.7
Std Dev 0

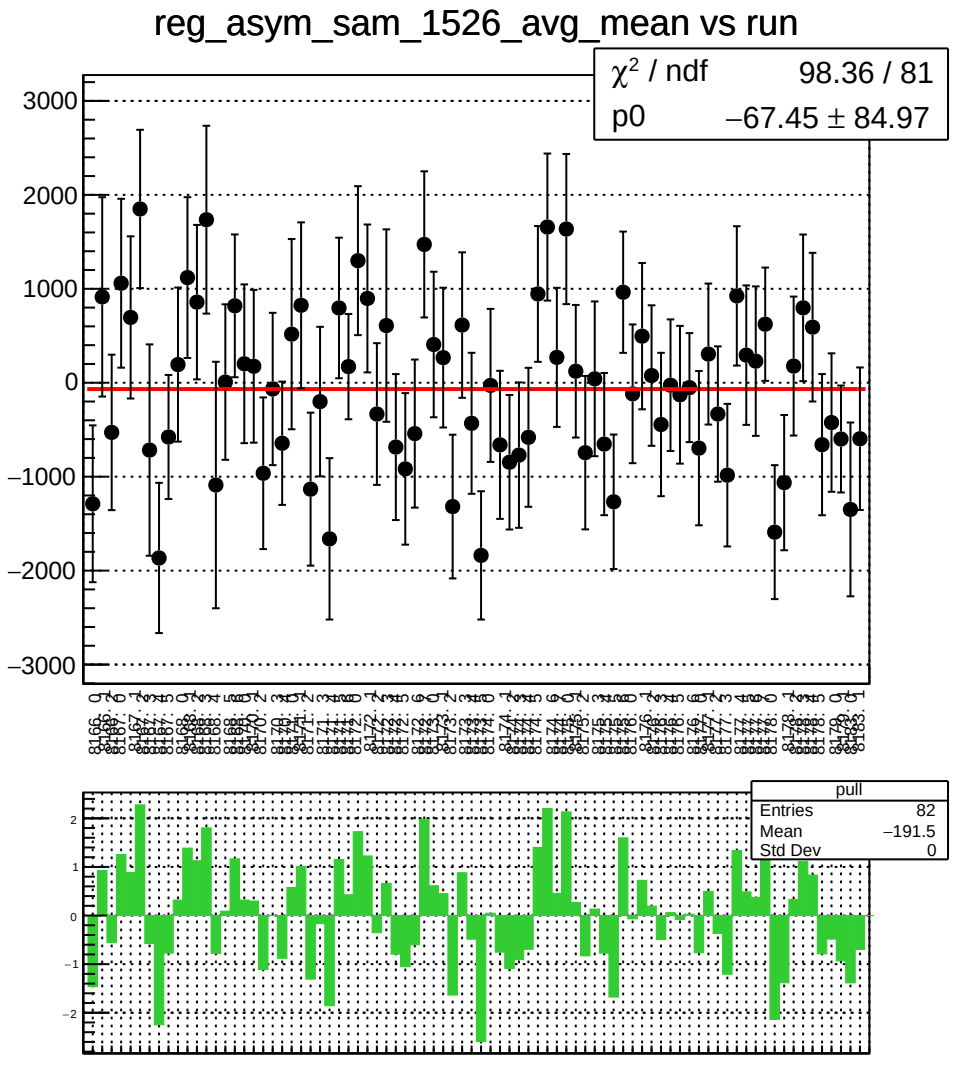

pull1D
Entries 82
Mean −0.001891
Std Dev 1.041

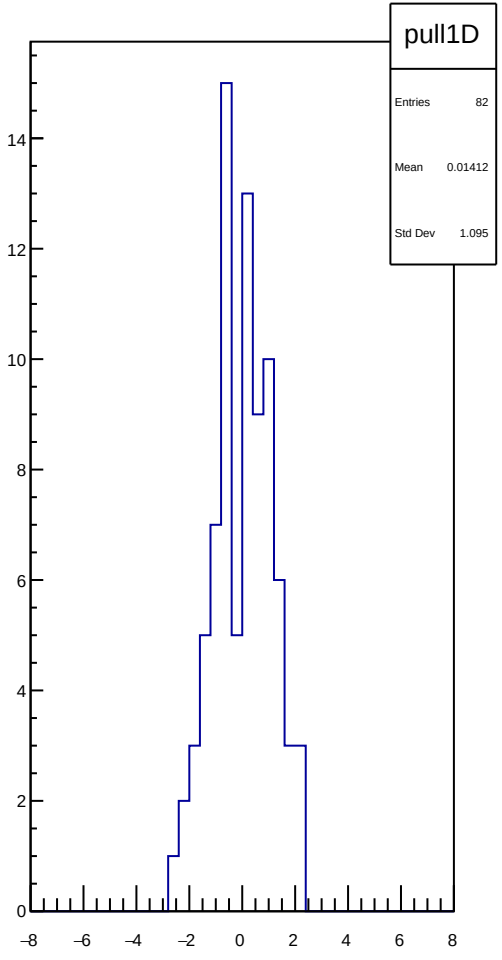

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.094e+04 / 81
p0 46.01 ± 0.0367
60
55
50
45
40

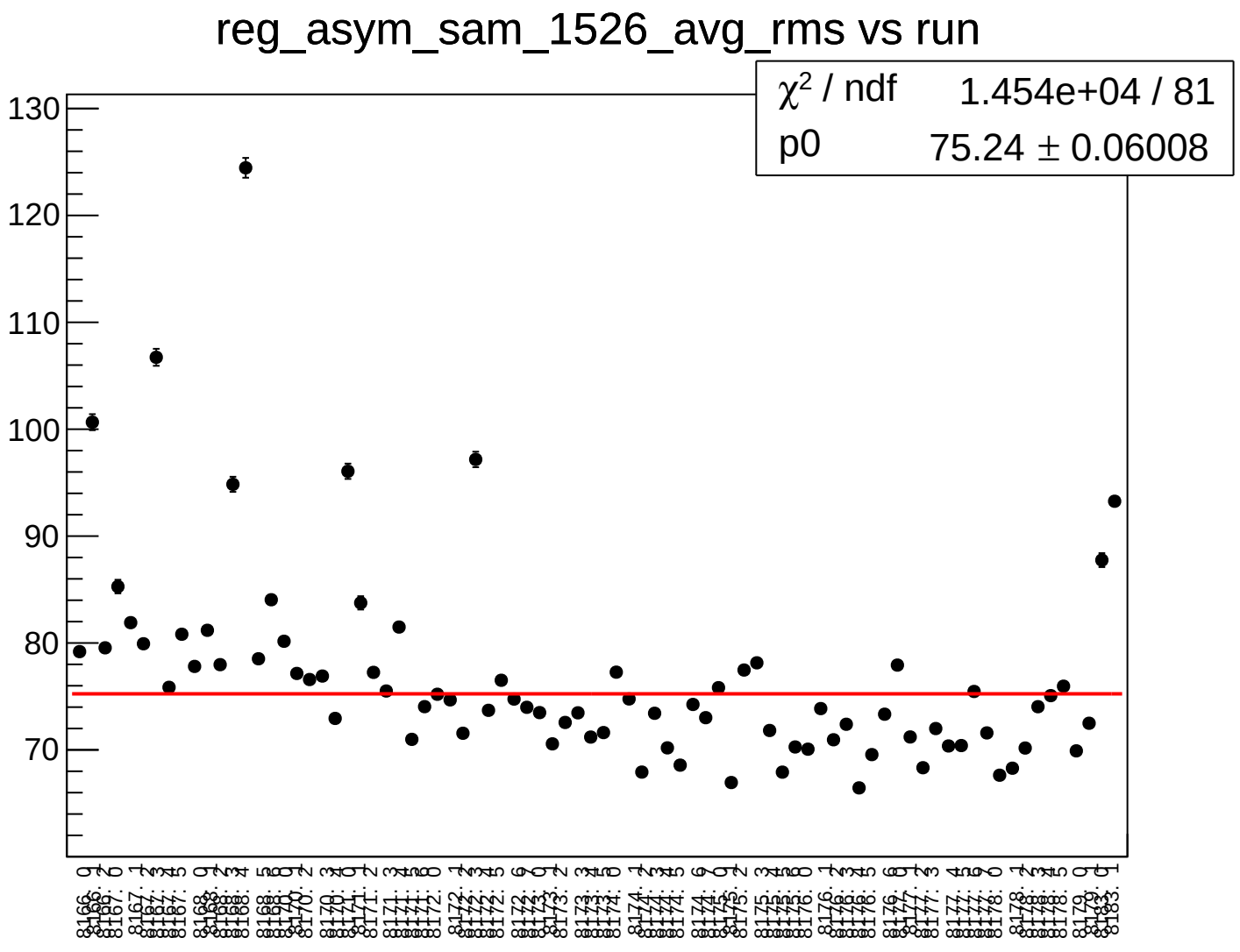

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.83 / 81
p0 −4.217e−14 ± 7.913e−14
pull
Entries 82
Mean −0.02927
Std Dev 0

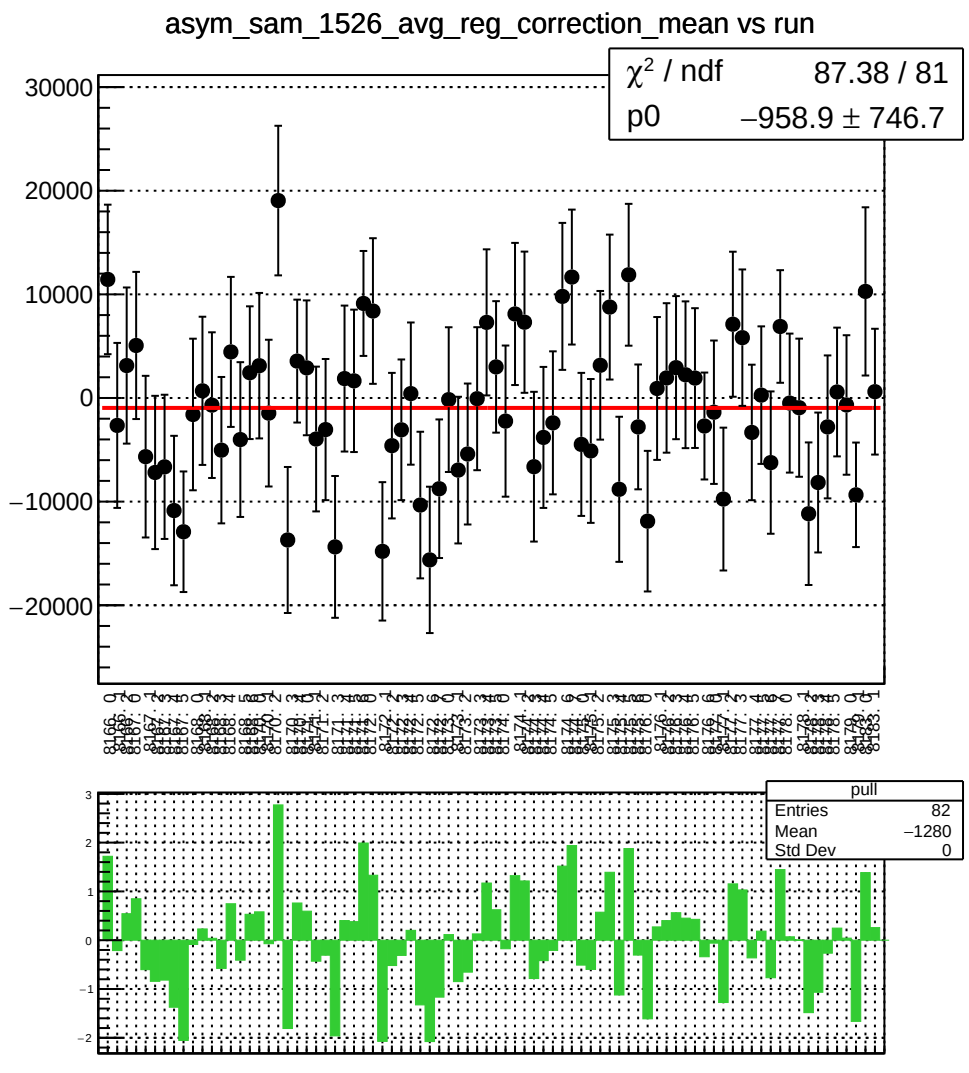

pull1D
Entries 82
Mean 0.02778
Std Dev 1.023

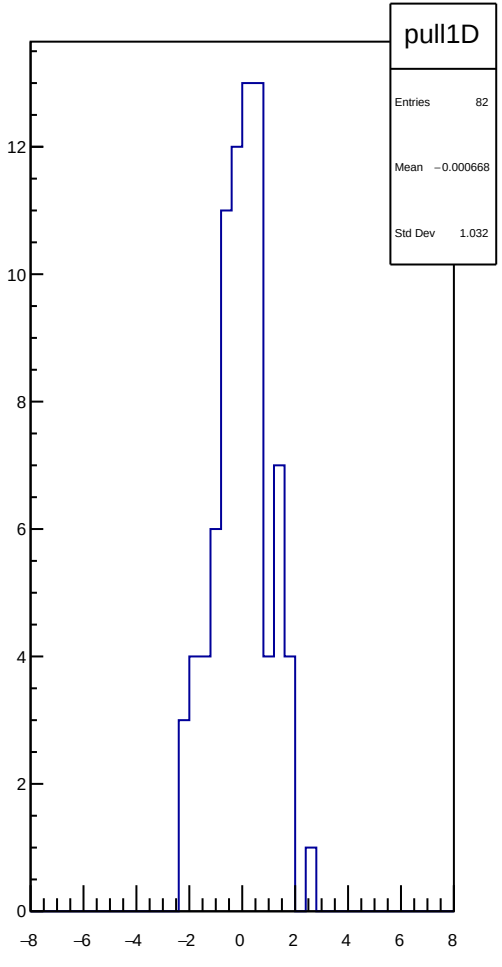

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 4.117e+05 / 81
p0 6.055e−11 ± 5.595e−14

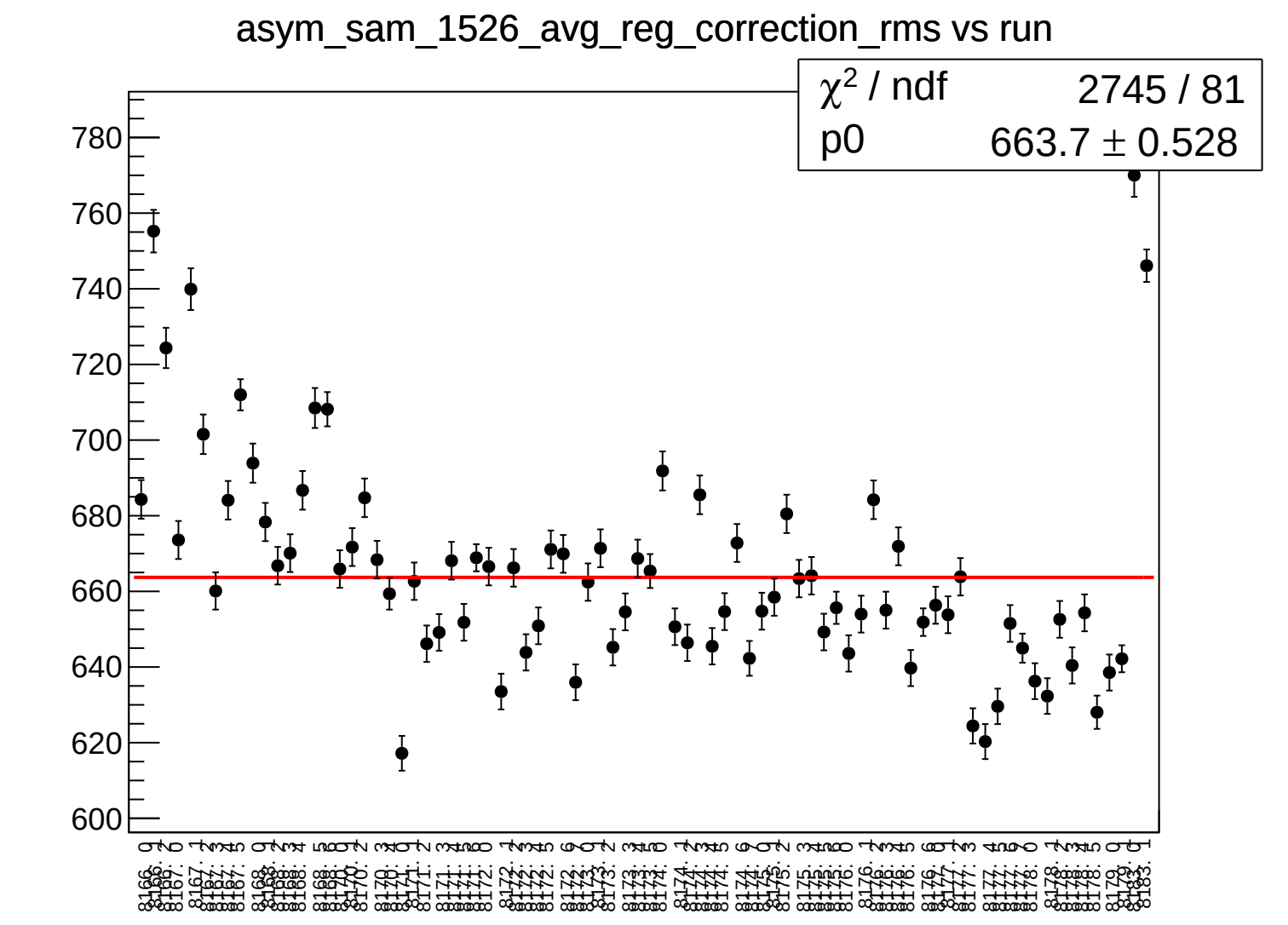

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 98.36 / 81
p0 −67.45 ± 84.97
pull
Entries 82
Mean −191.5
Std Dev 0

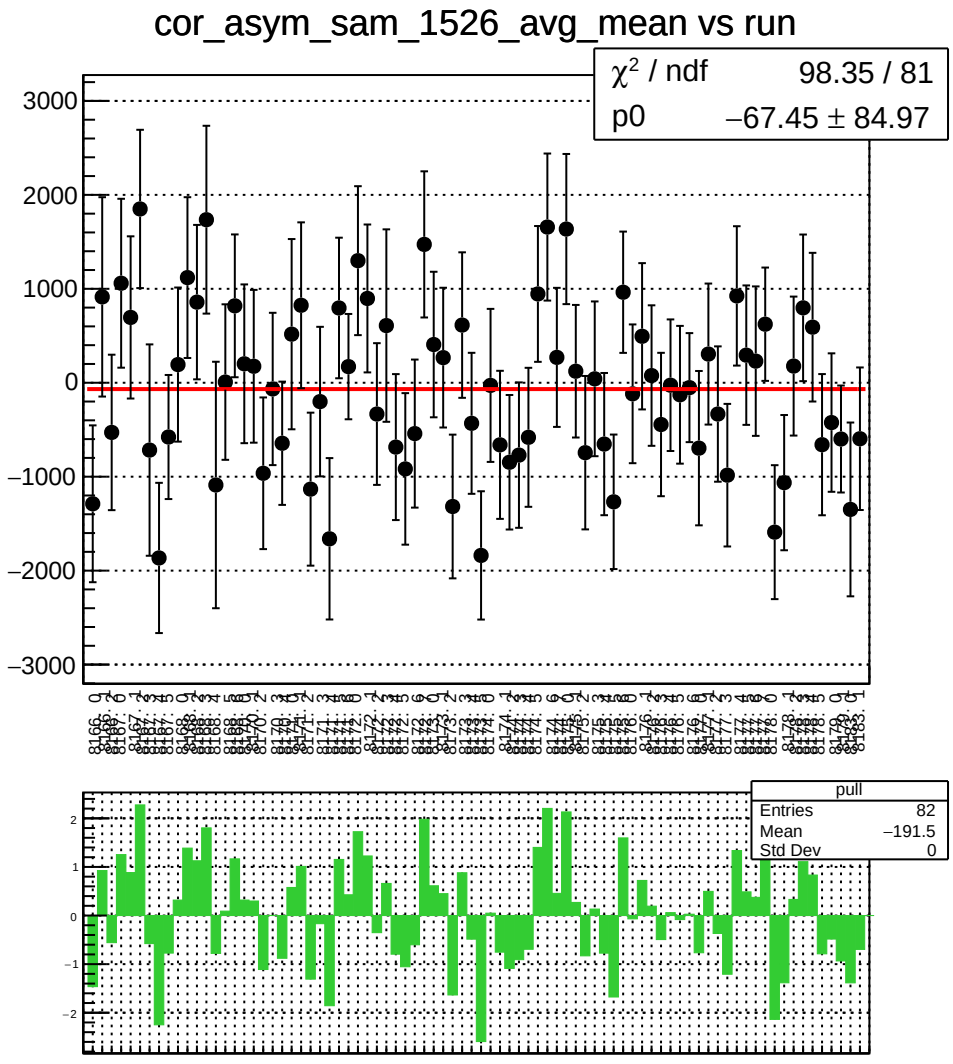

pull1D
Entries 82
Mean 0.01412
Std Dev 1.095

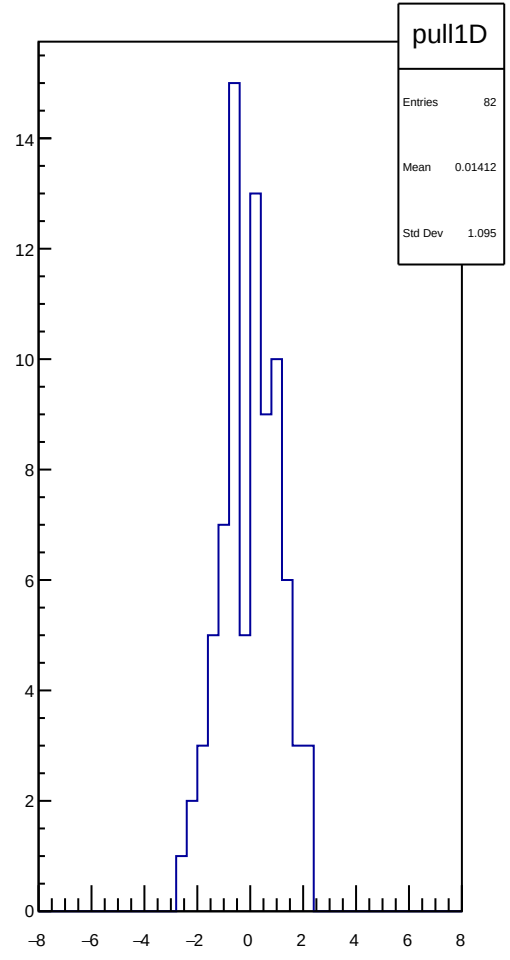

reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.454e+04 / 81
p0 75.24 ± 0.06008
130
120
110
100
90
80
70

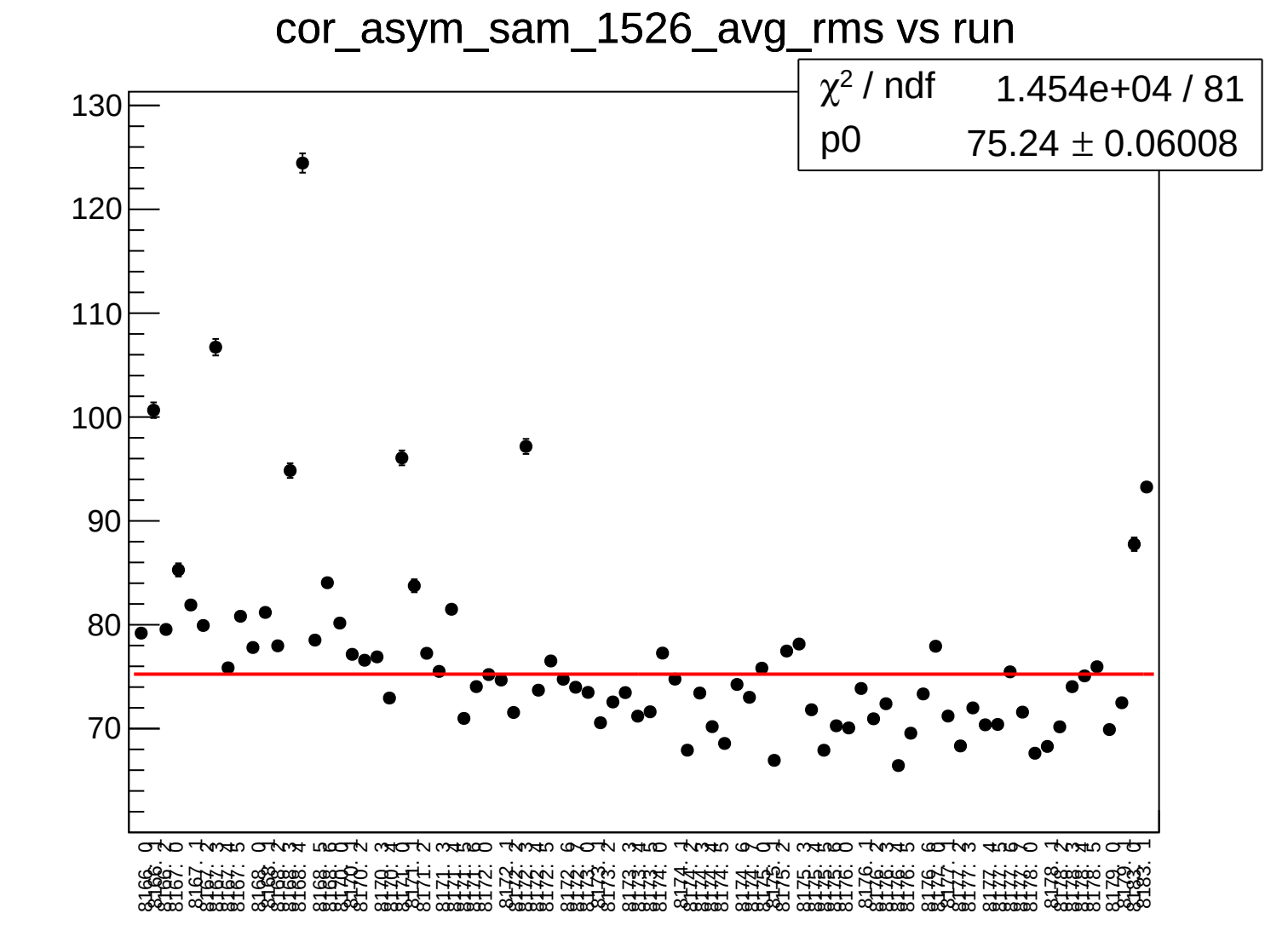

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 87.38 / 81
p0 −958.9 ± 746.7
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1280
Std Dev 0
3
2
1
0
−1
−2

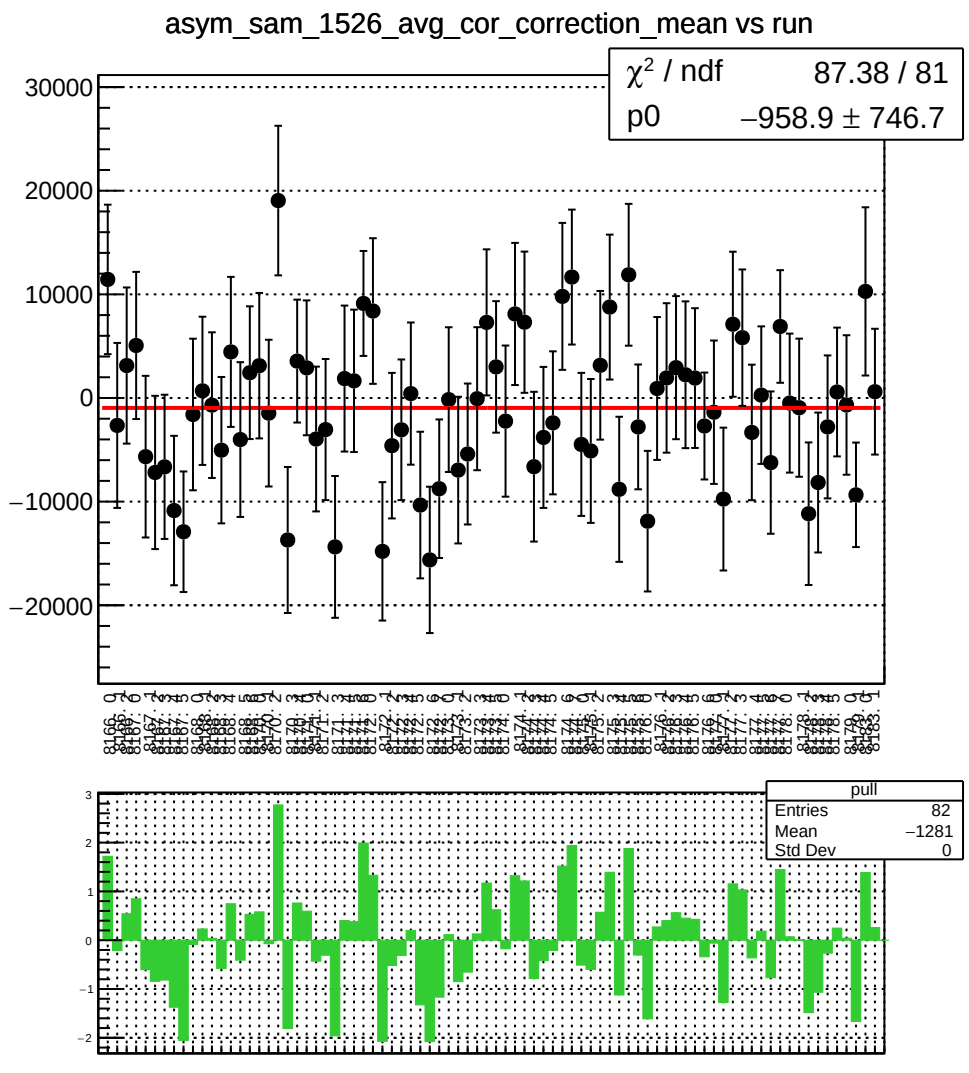

pull1D
Entries 82
Mean −0.000668
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

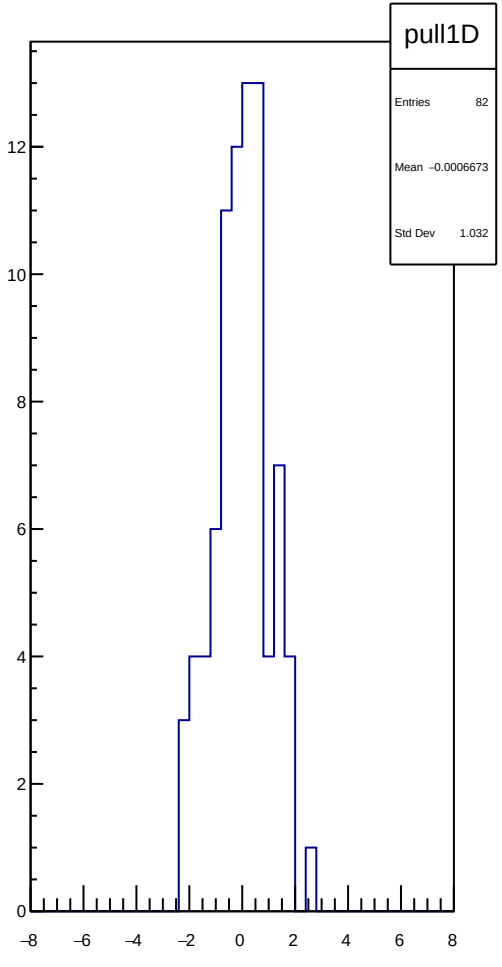

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 2745 / 81
p0 663.7 ± 0.528
780
760
740
720
700
680
660
640
620
600

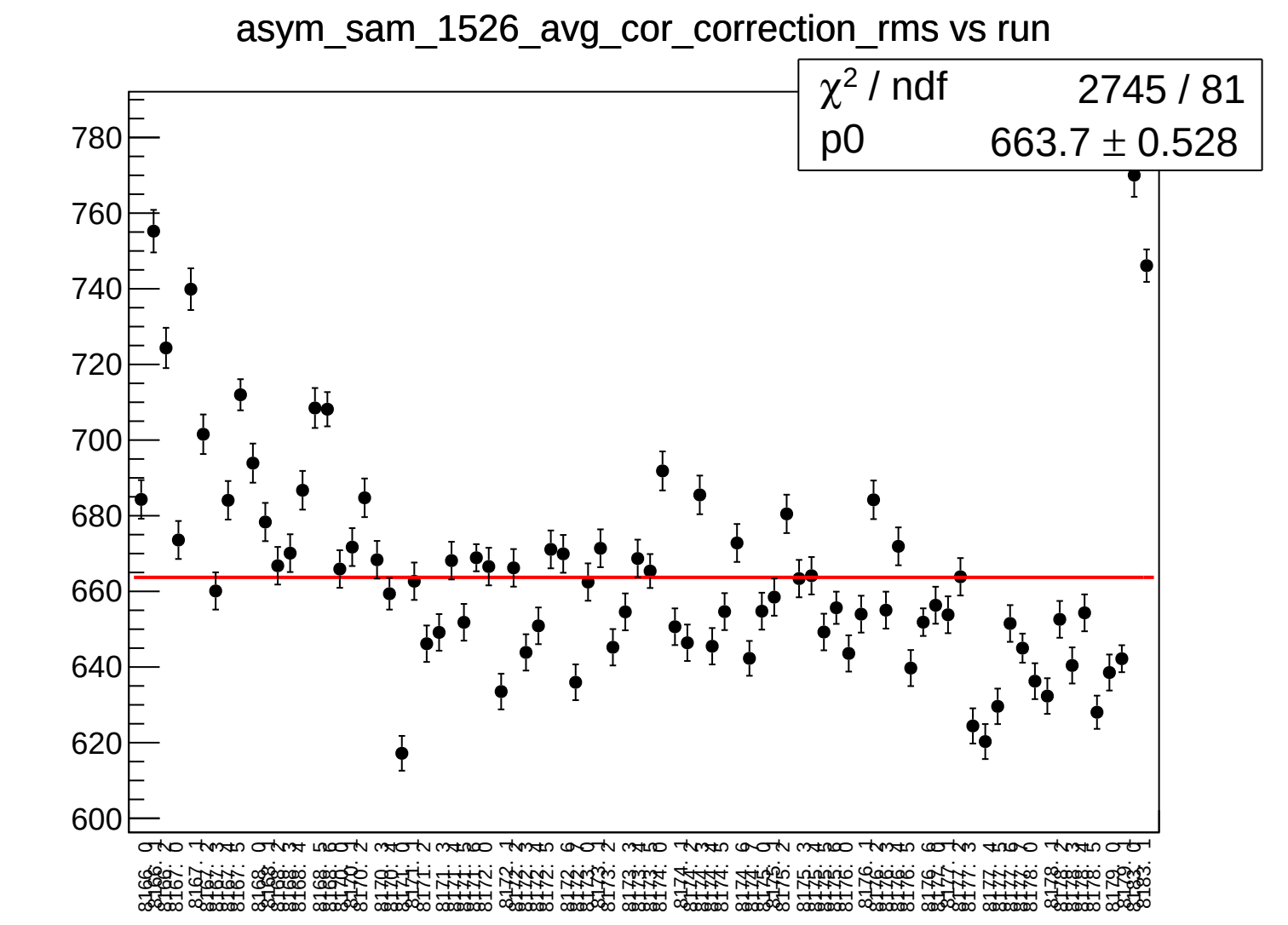

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 98.35 / 81
p0 −67.45 ± 84.97
pull
Entries 82
Mean −191.5
Std Dev 0

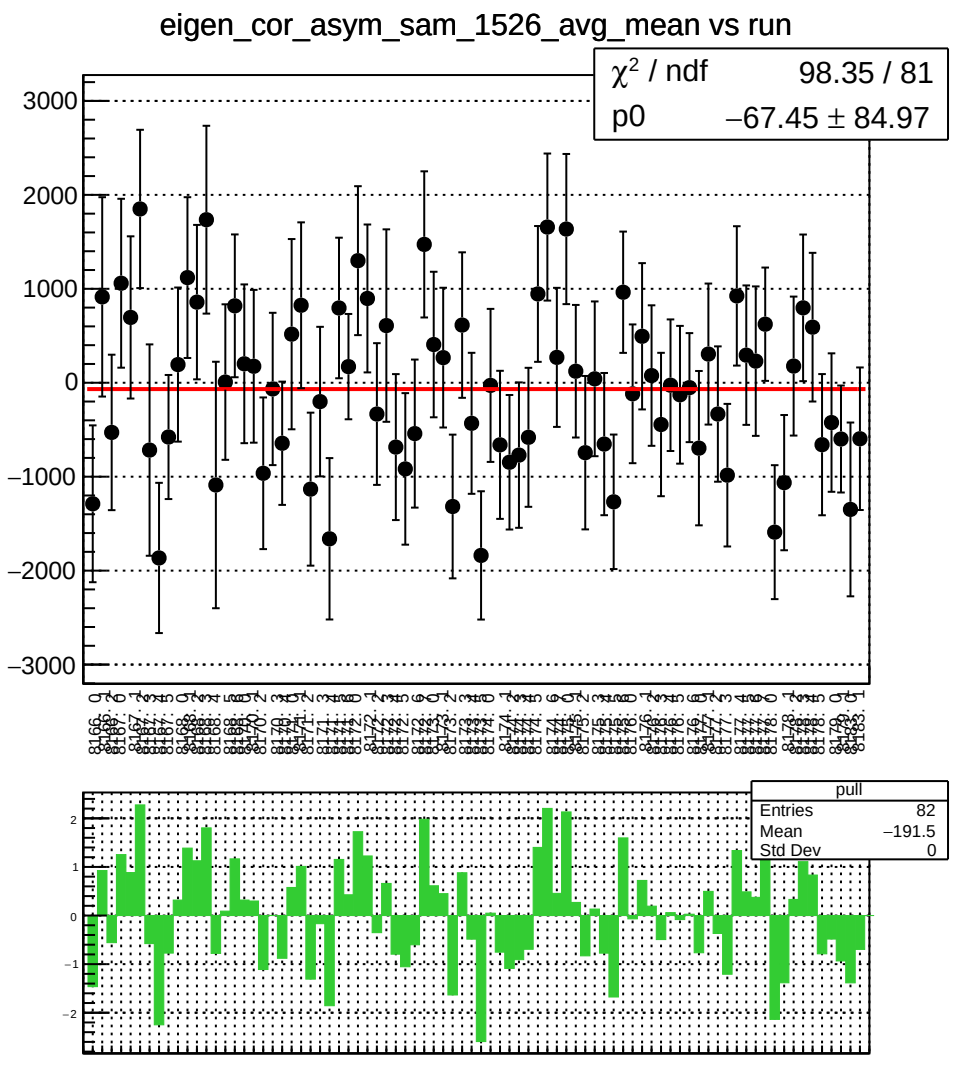

pull1D
Entries 82
Mean 0.01412
Std Dev 1.095

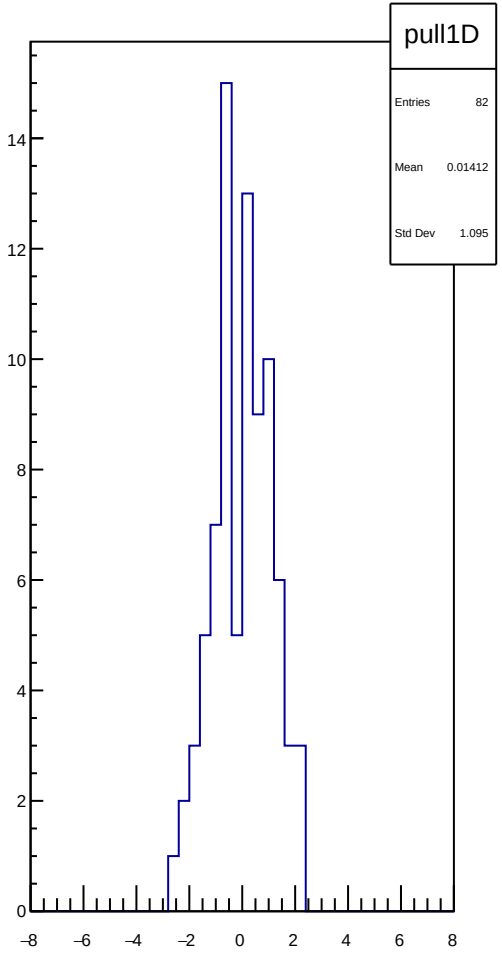

cor_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.454e+04 / 81
p0 75.24 ± 0.06008
130
120
110
100
90
80
70

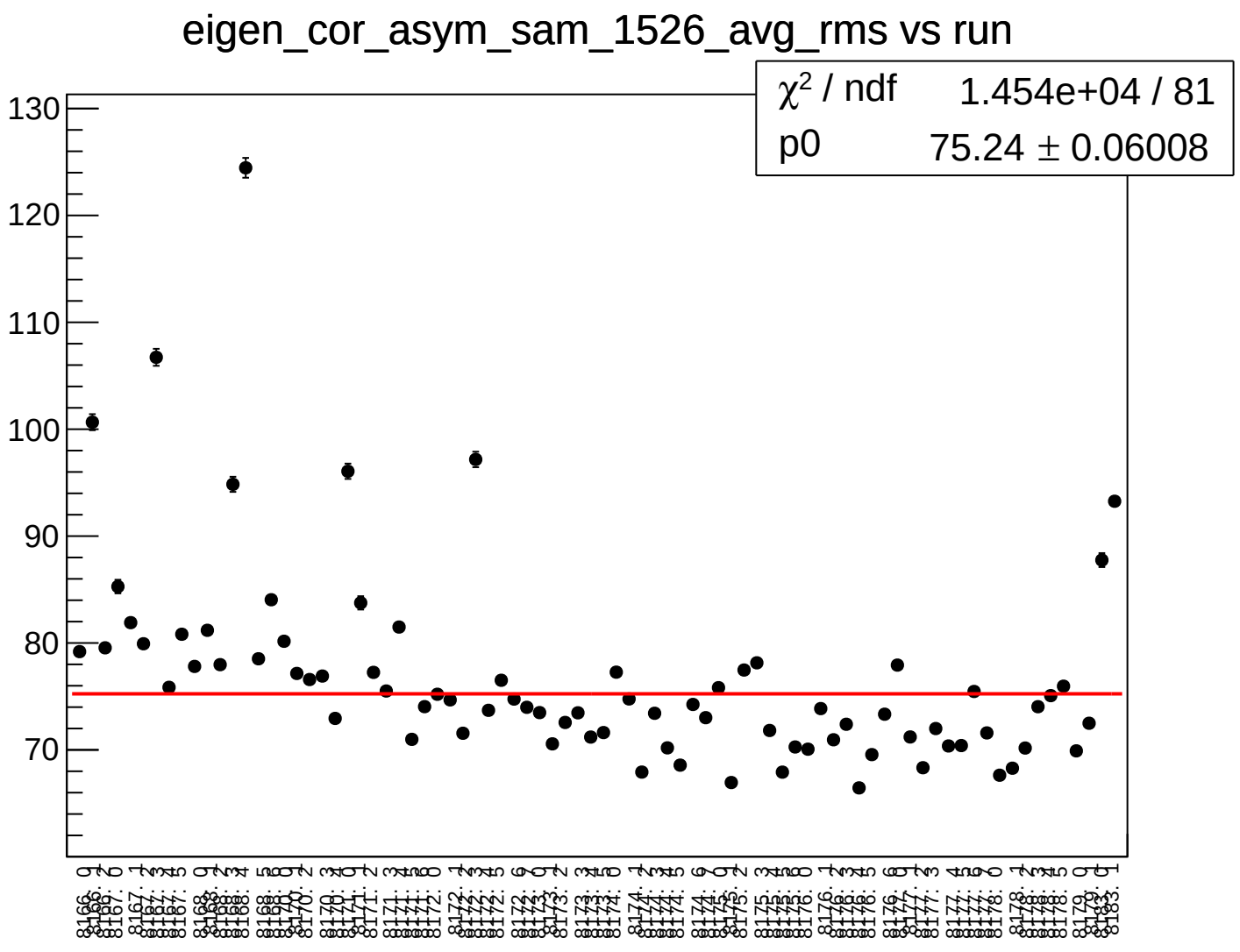

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 87.38 / 81
p0 −958.9 ± 746.7
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1281
Std Dev 0
3
2
1
0
−1
−2

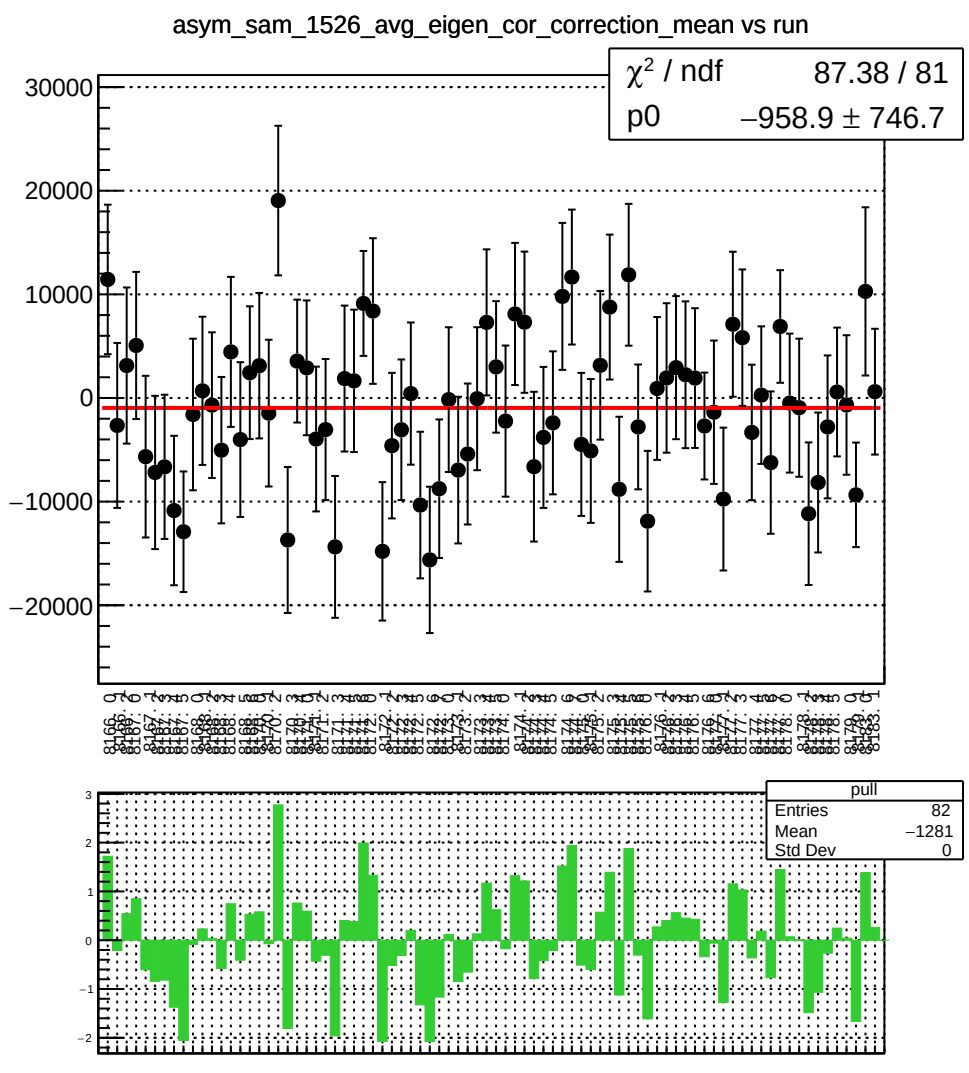

pull1D
Entries 82
Mean −0.0006673
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

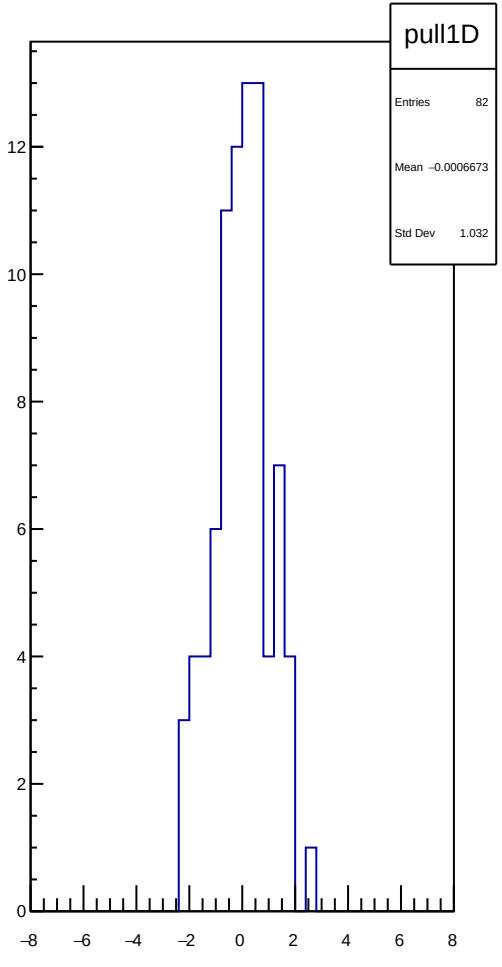

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 2745 / 81
p0 663.7 ± 0.528
780
760
740
720
700
680
660
640
620
600

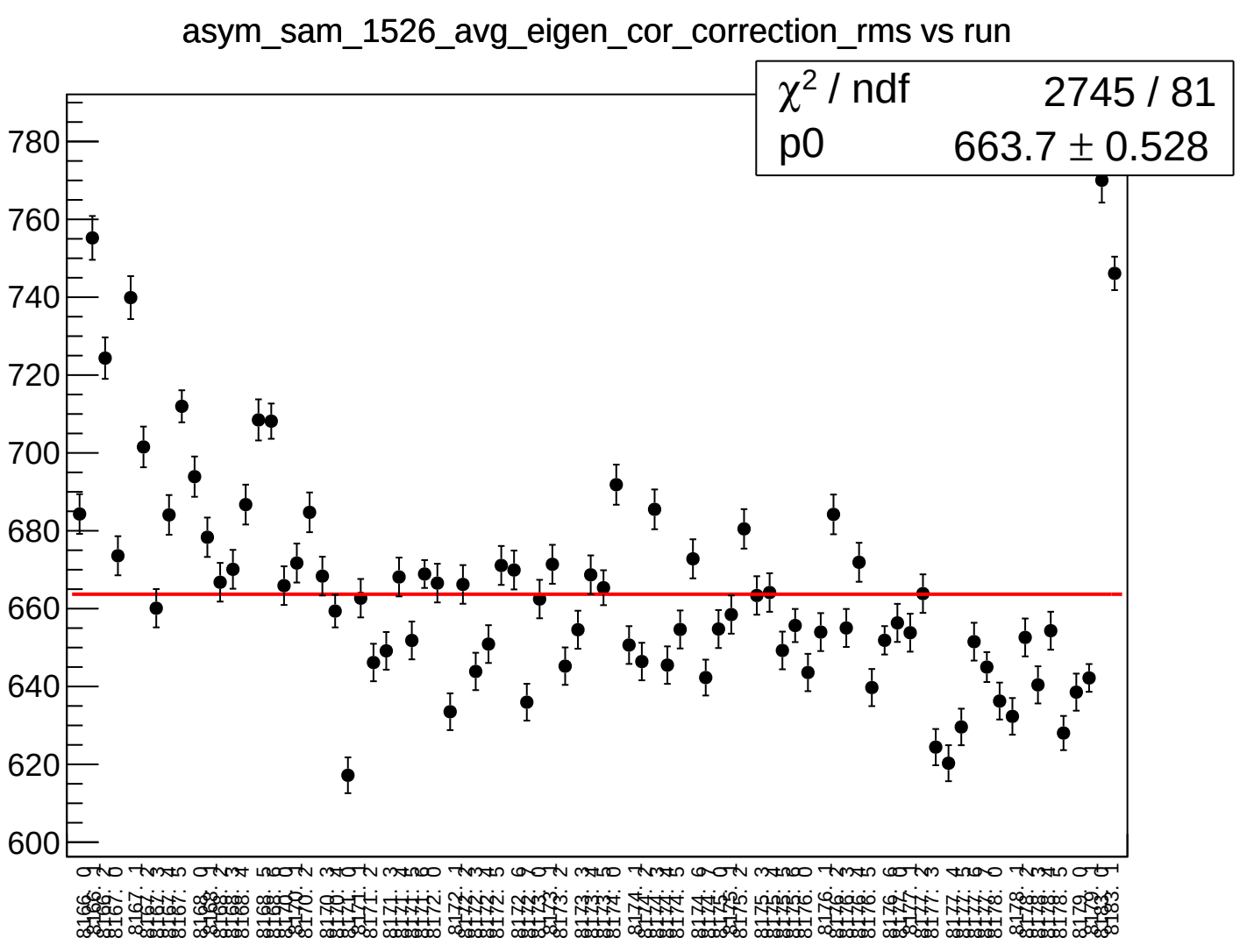

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 98.35 / 81
p0 −67.45 ± 84.97
pull
Entries 82
Mean −191.5
Std Dev 0

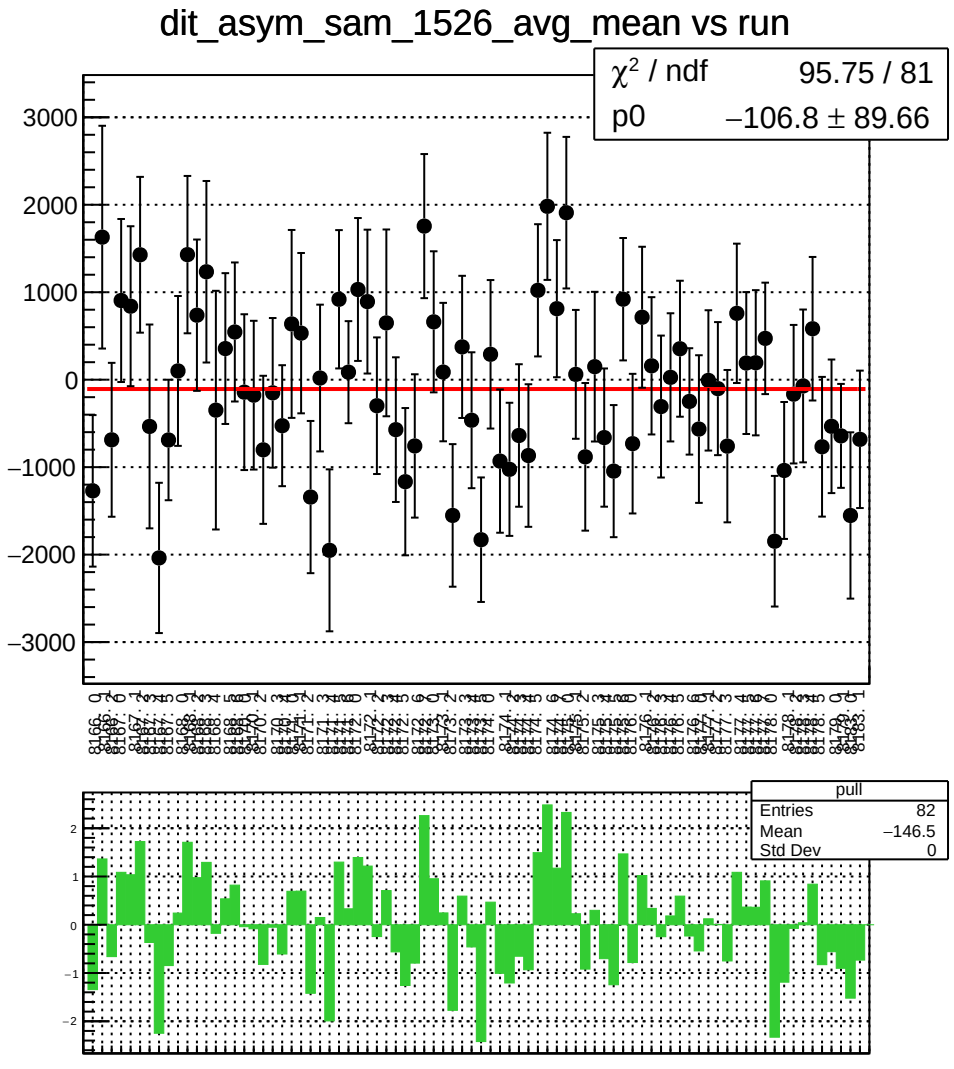

pull1D
Entries 82
Mean 0.01412
Std Dev 1.095

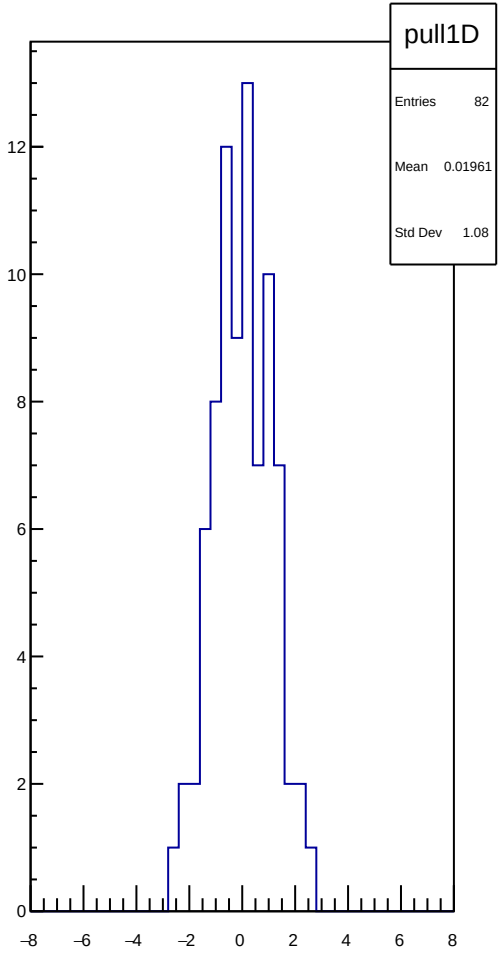

eigen_cor_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.454e+04 / 81
p0 75.24 ± 0.06008
130
120
110
100
90
80
70

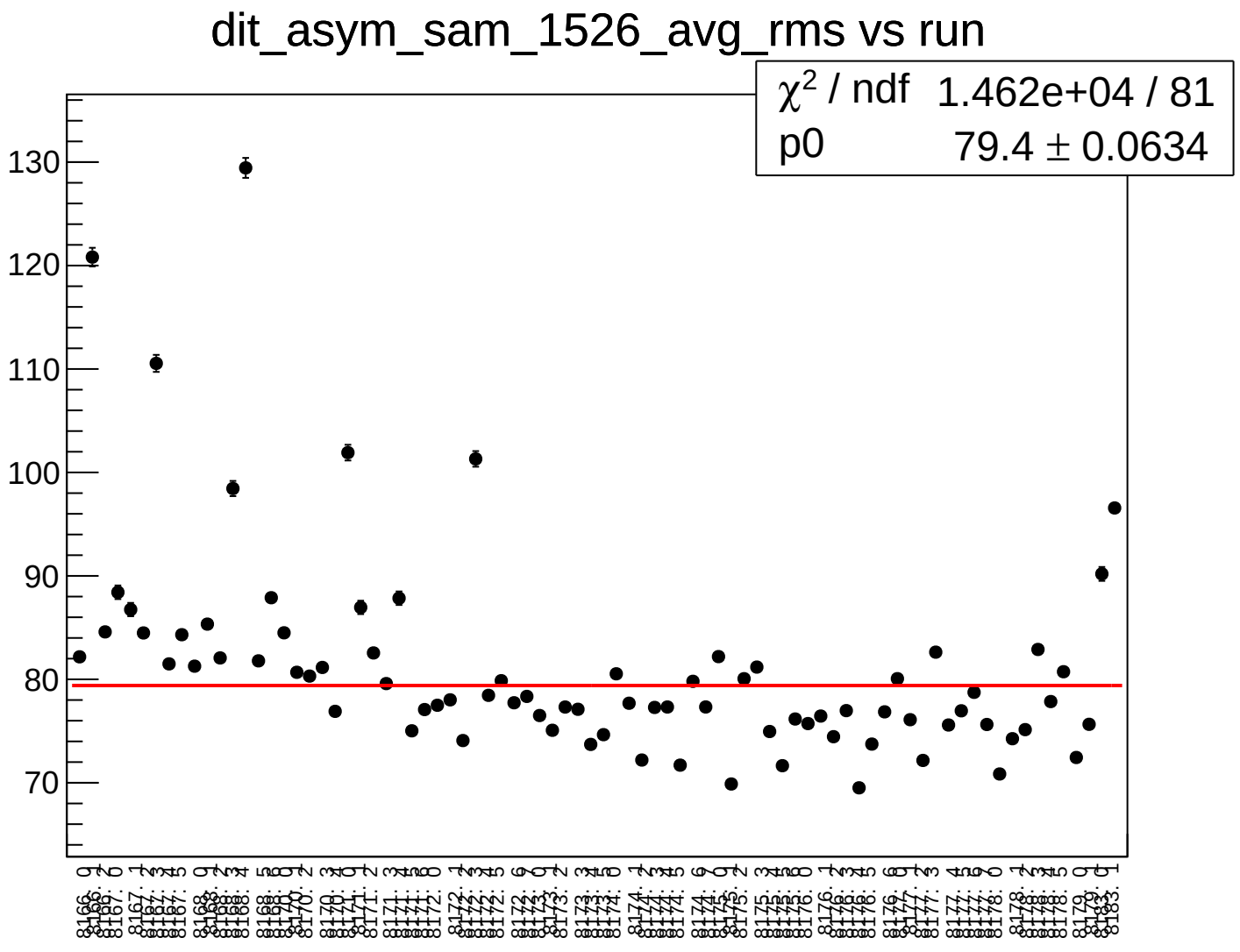

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 87.38 / 81
p0 −958.9 ± 746.7
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1281
Std Dev 0
3
2
1
0
−1
−2

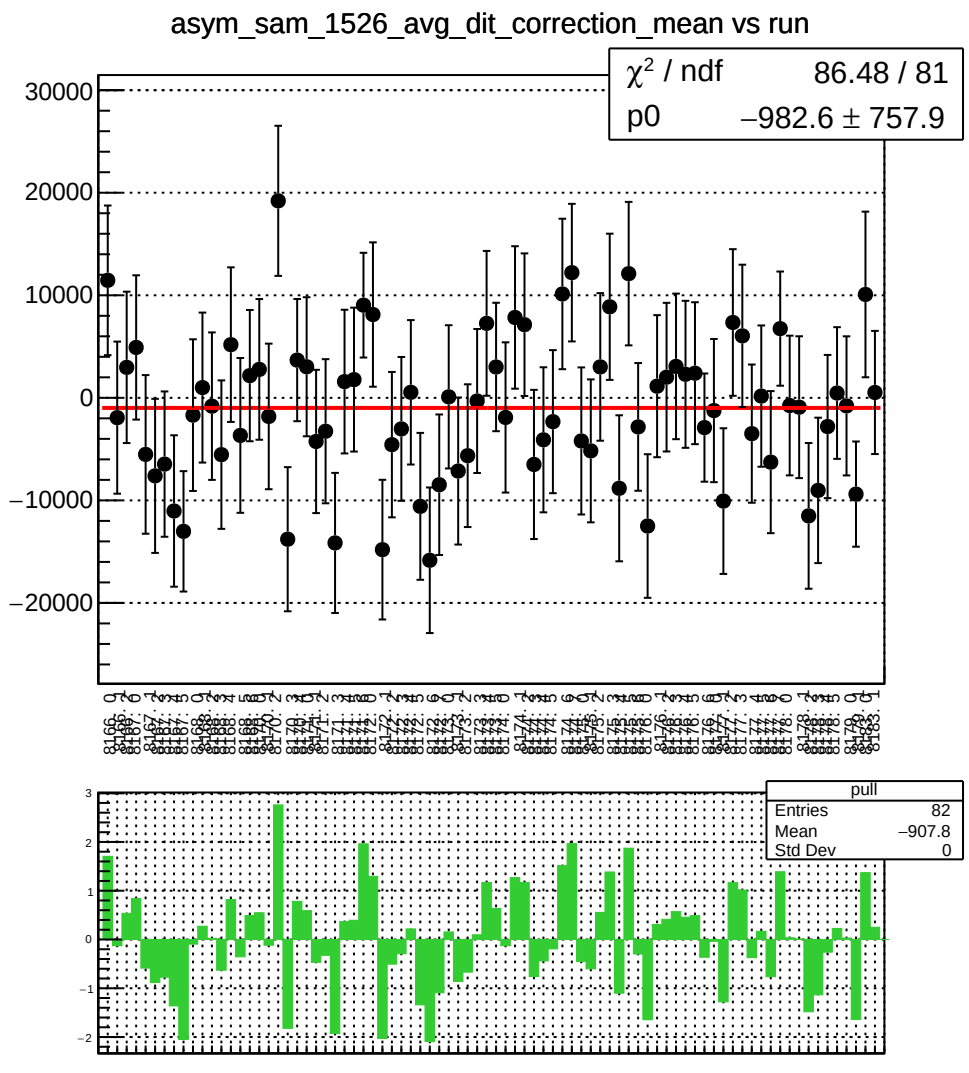

pull1D
Entries 82
Mean −0.0006673
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

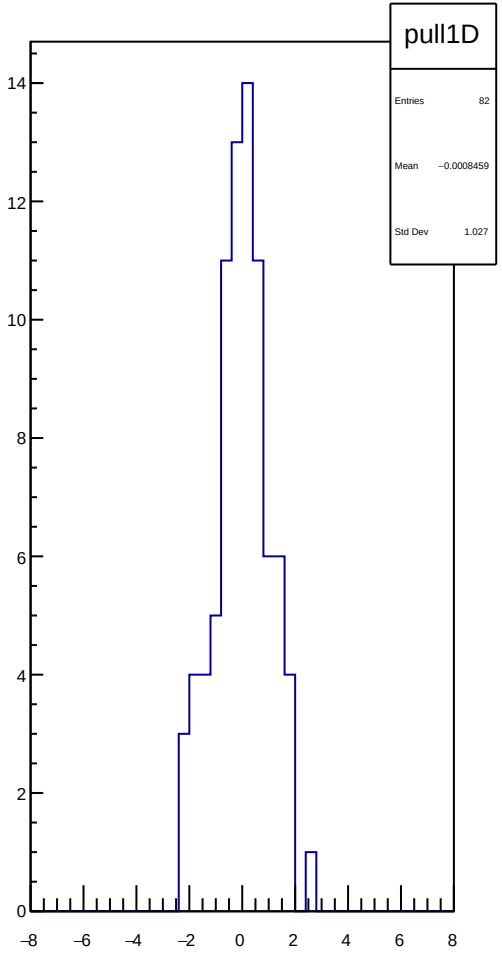

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 2745 / 81
p0 663.7 ± 0.528
780
760
740
720
700
680
660
640
620
600

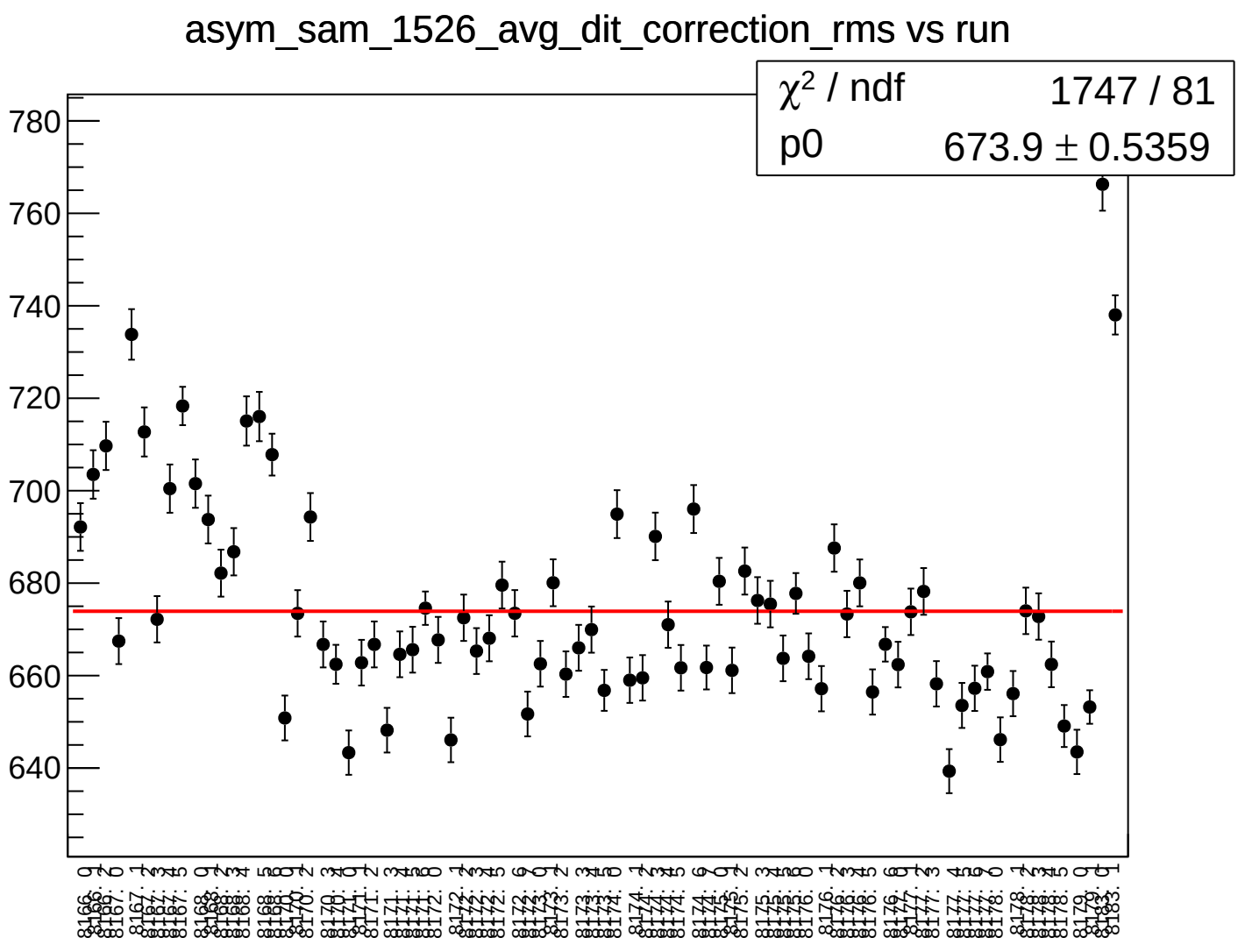

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 95.75 / 81
p0 −106.8 ± 89.66
pull
Entries 82
Mean −146.5
Std Dev 0

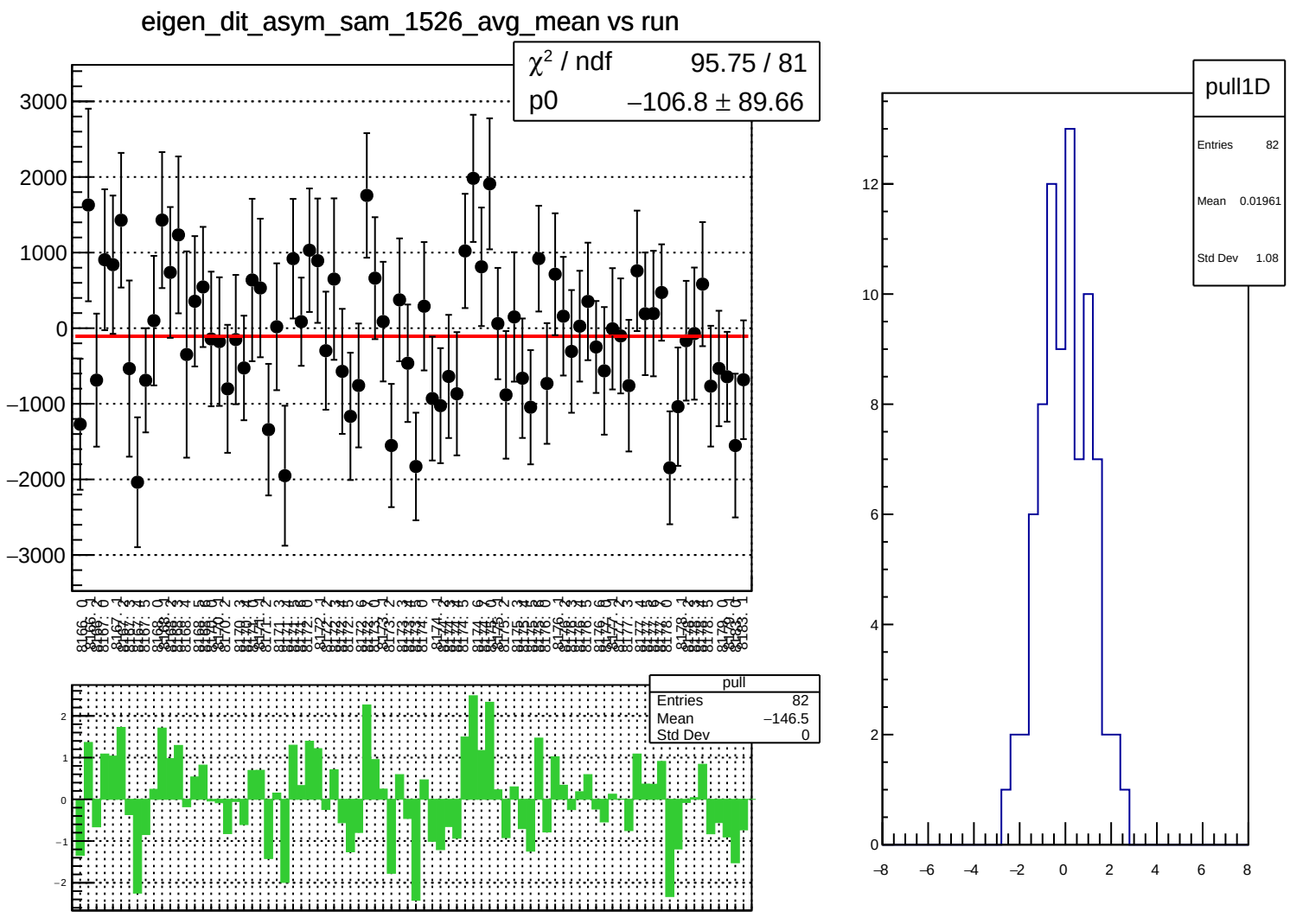

pull1D
Entries 82
Mean 0.01961
Std Dev 1.08

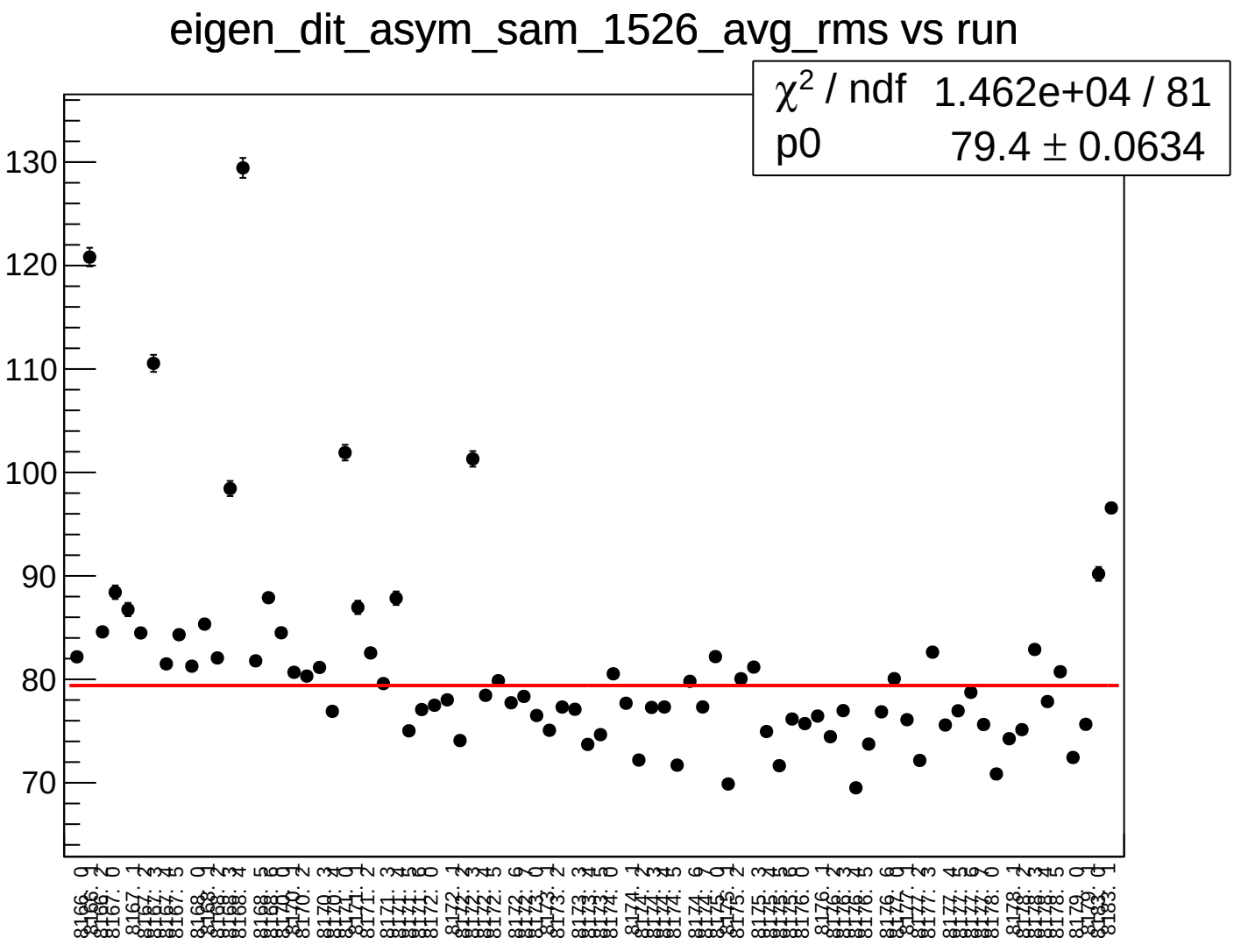

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.462e+04 / 81
p0 79.4 ± 0.0634
130
120
110
100
90
80
70

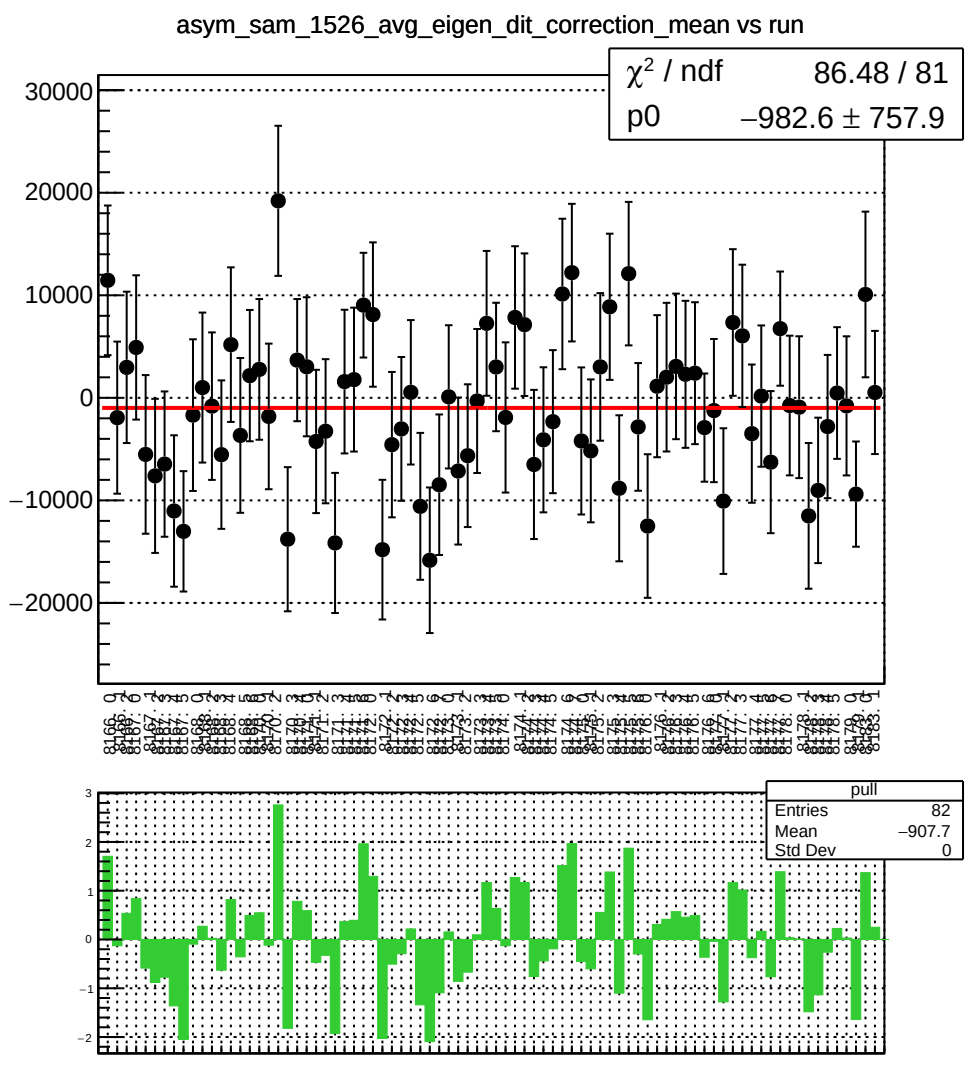

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 86.48 / 81
p0 −982.6 ± 757.9
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −907.8
Std Dev 0
3
2
1
0
−1
−2

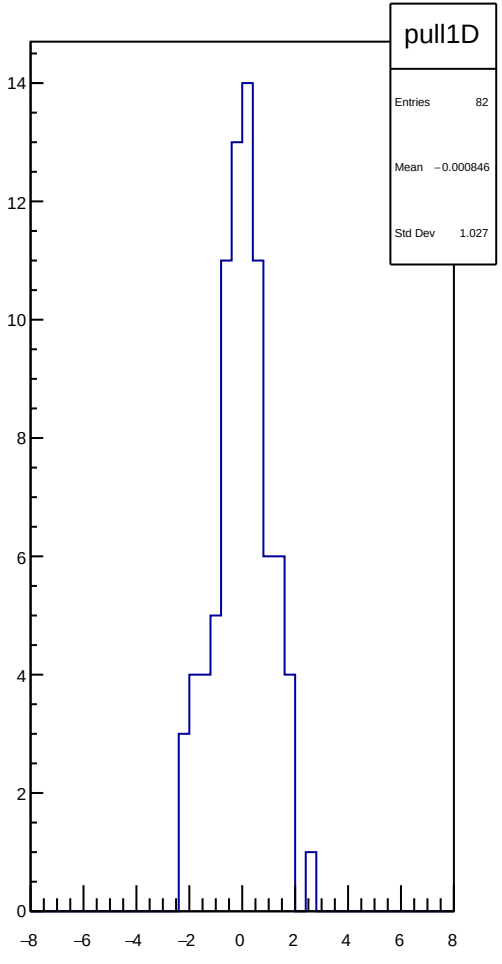

pull1D
Entries 82
Mean −0.0008459
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

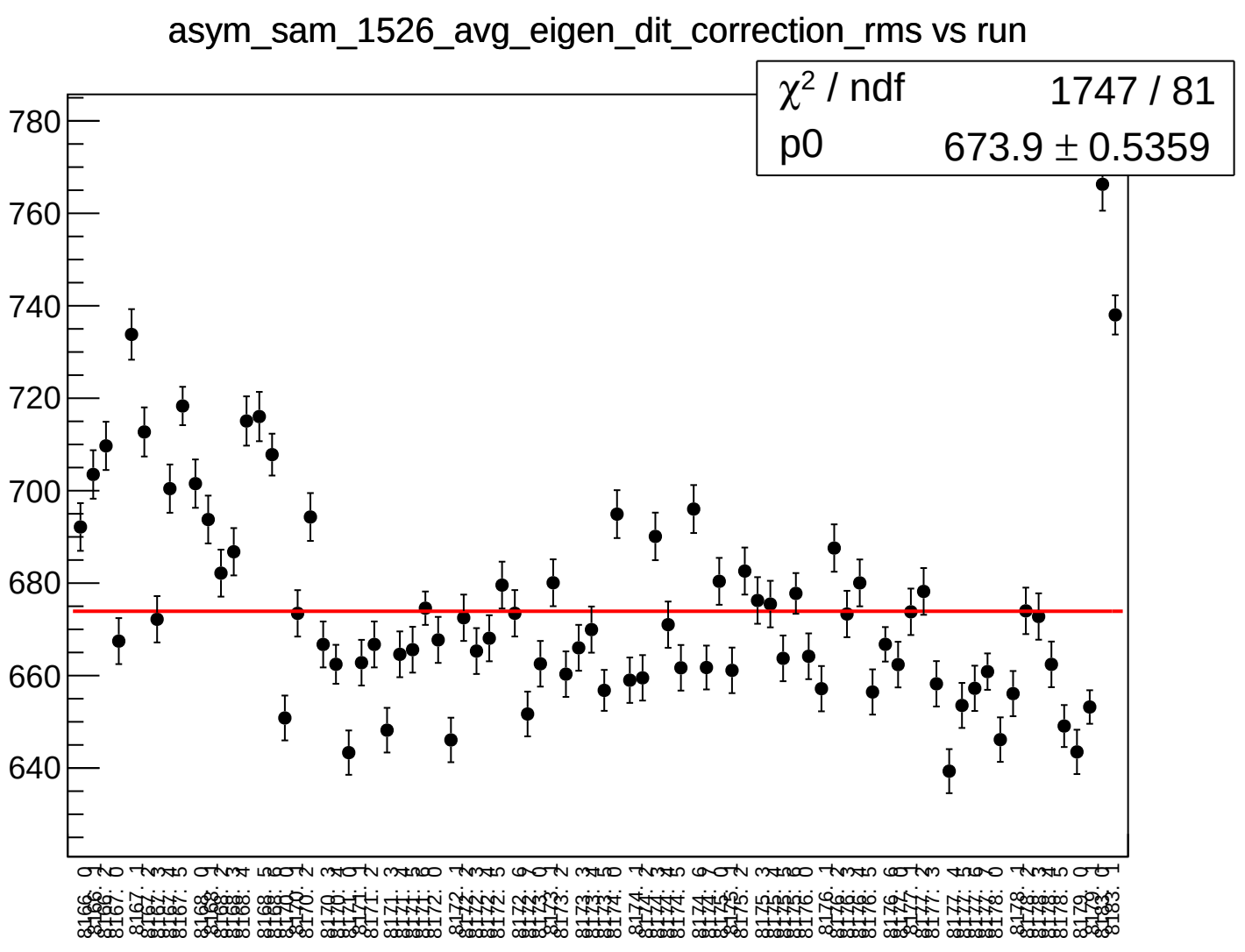

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1747 / 81
p0 673.9 ± 0.5359
780
760
740
720
700
680
660
640

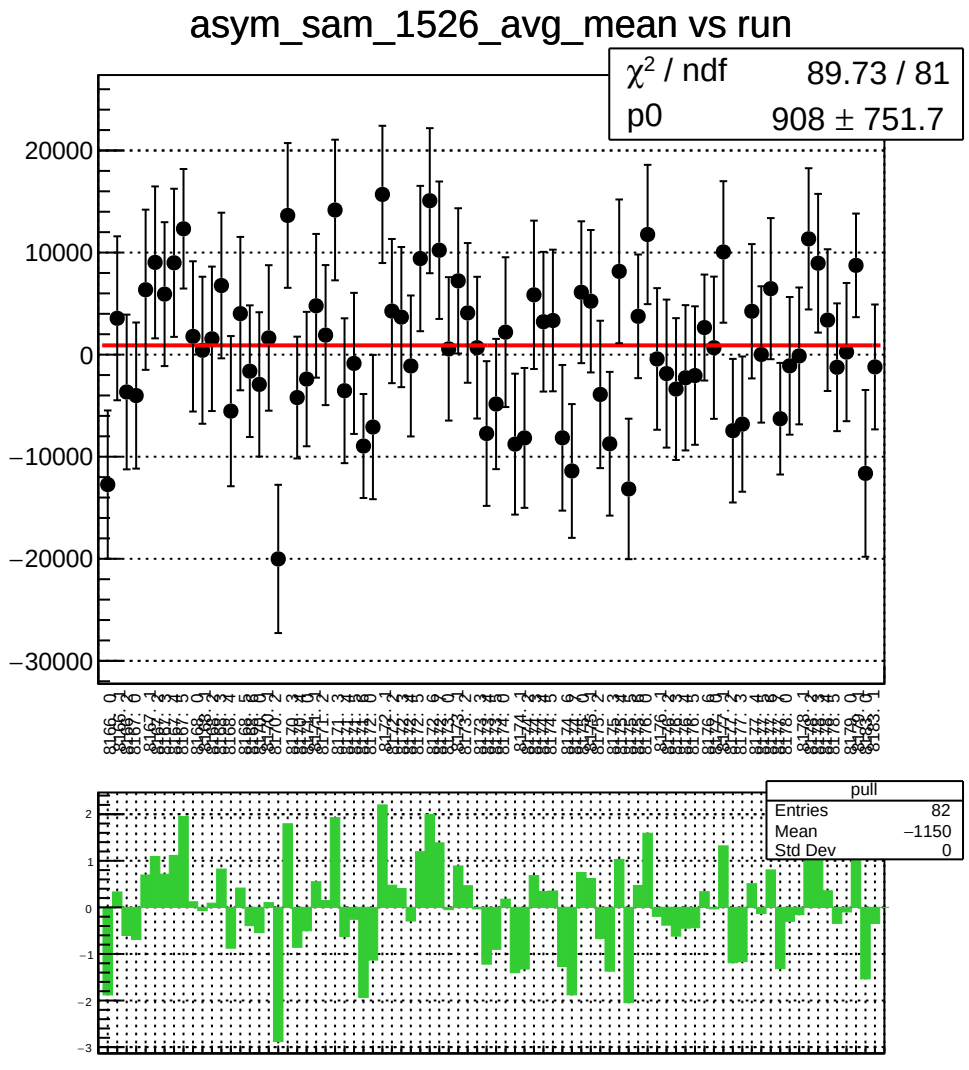

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 95.75 / 81
p0 −106.8 ± 89.66
pull
Entries 82
Mean −146.5
Std Dev 0
pull1D
Entries 82
Mean 0.01961
Std Dev 1.08

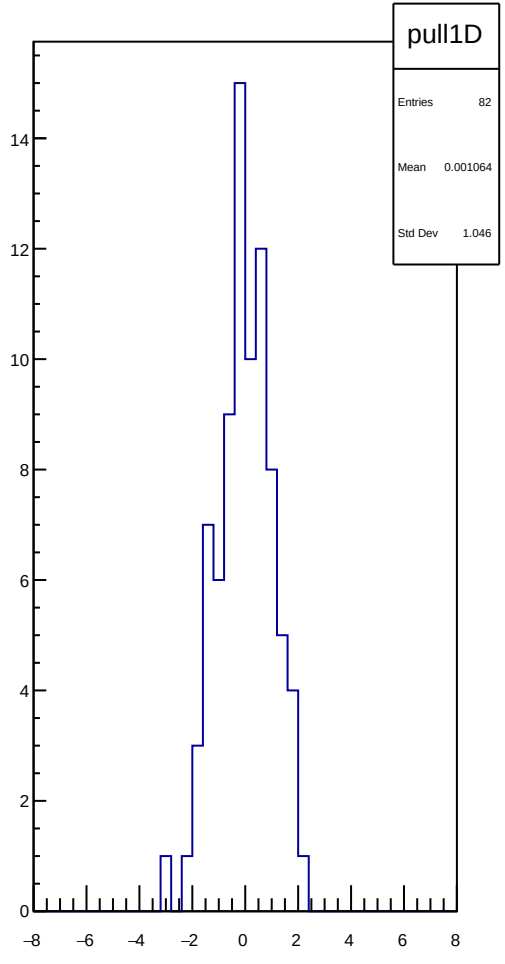

eigen_dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.462e+04 / 81
p0 79.4 ± 0.0634
130
120
110
100
90
80
70

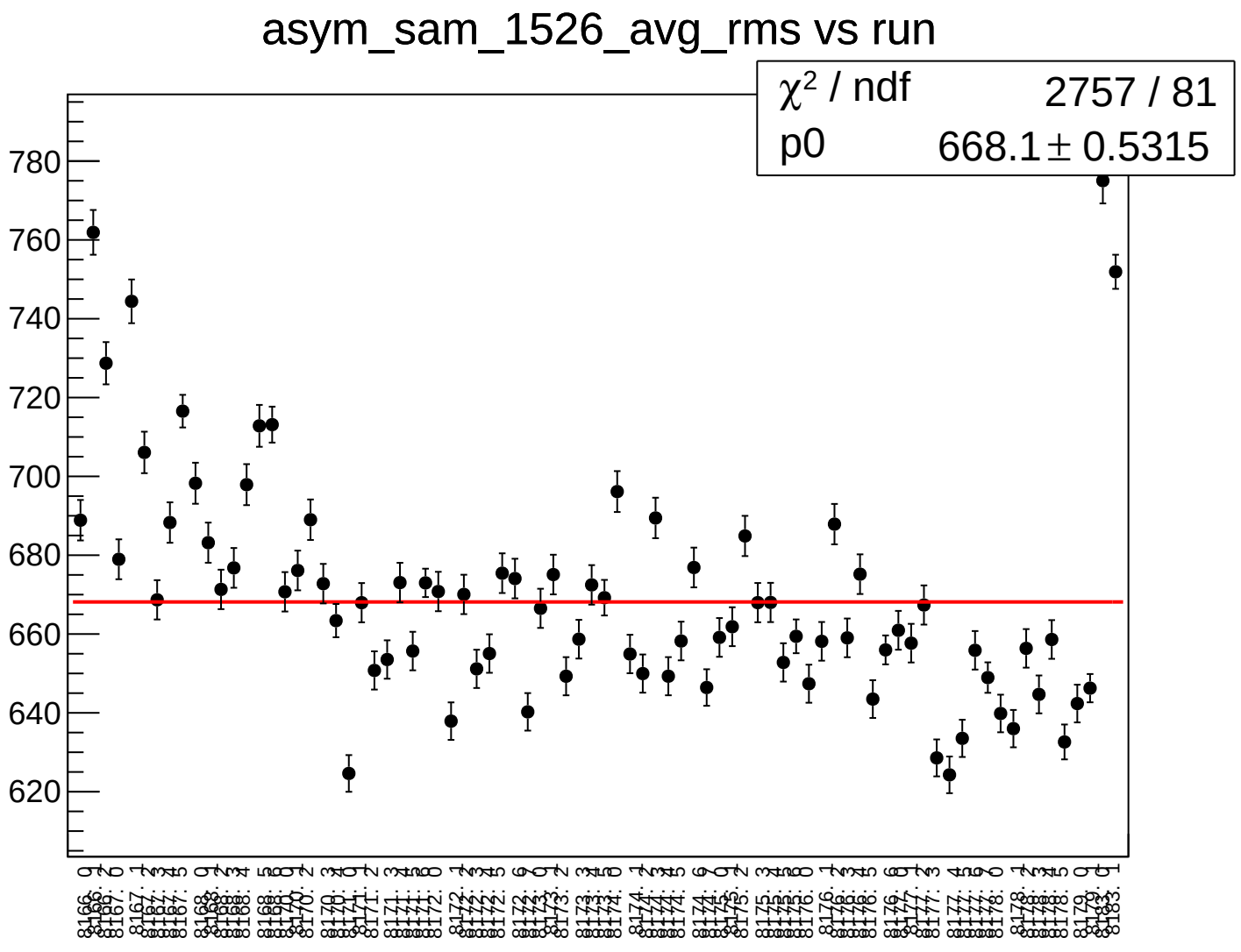

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 86.48 / 81
p0 −982.6 ± 757.9
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −907.7
Std Dev 0
3
2
1
0
−1
−2

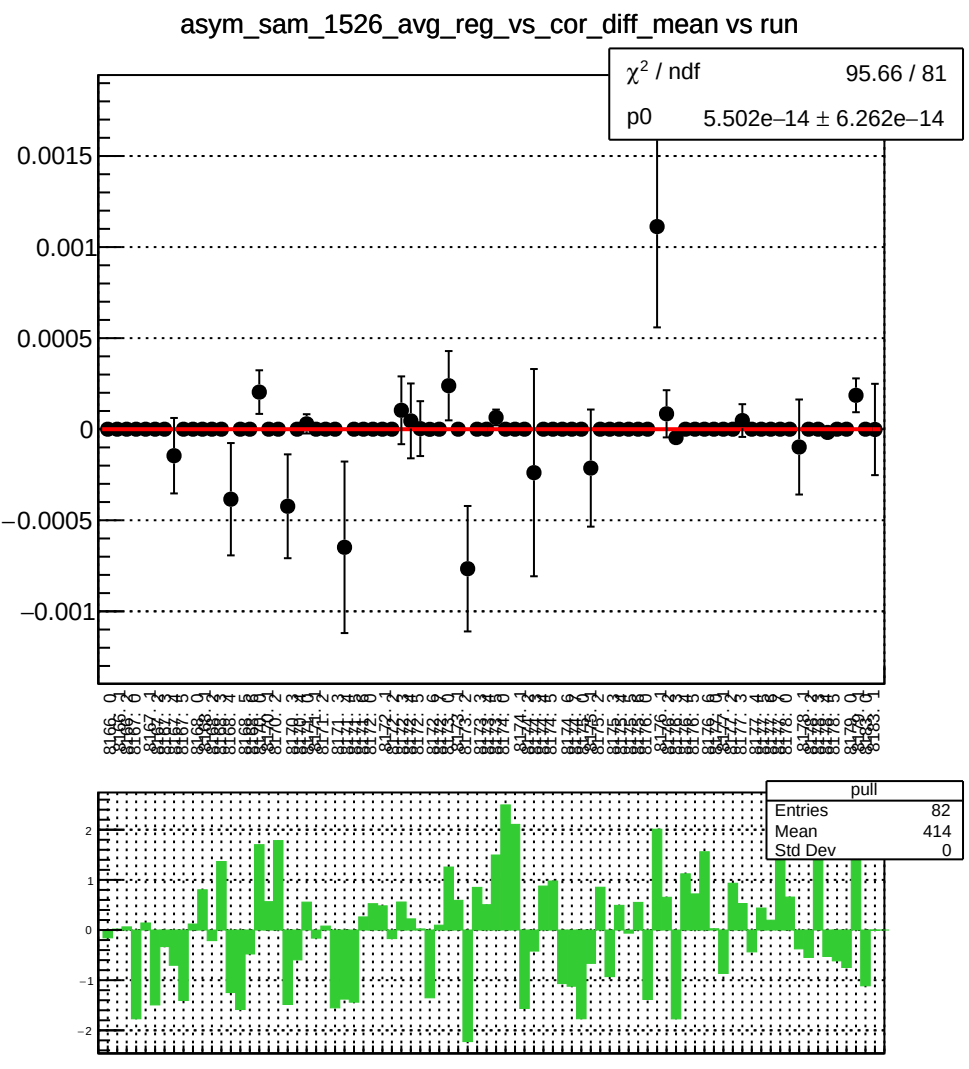

pull1D
Entries 82
Mean −0.000846
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

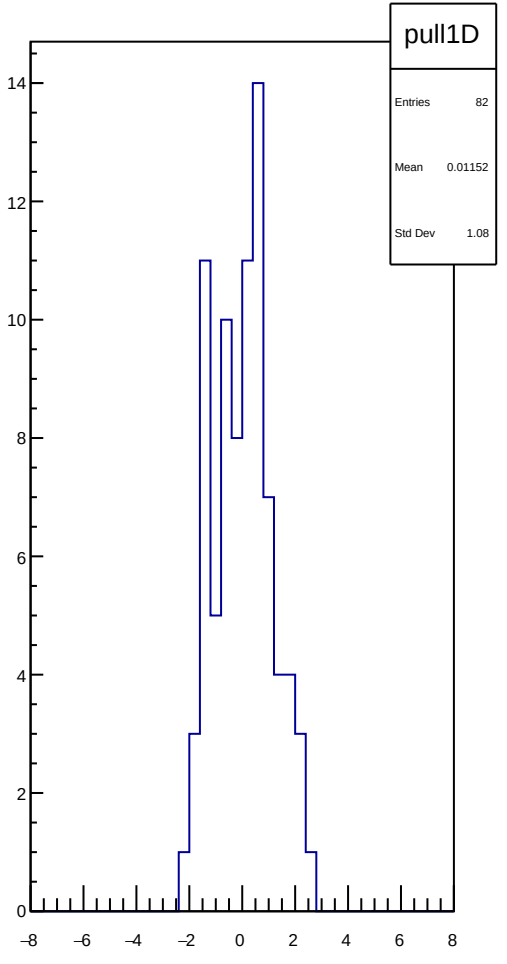

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1747 / 81
p0 673.9 ± 0.5359
780
760
740
720
700
680
660
640

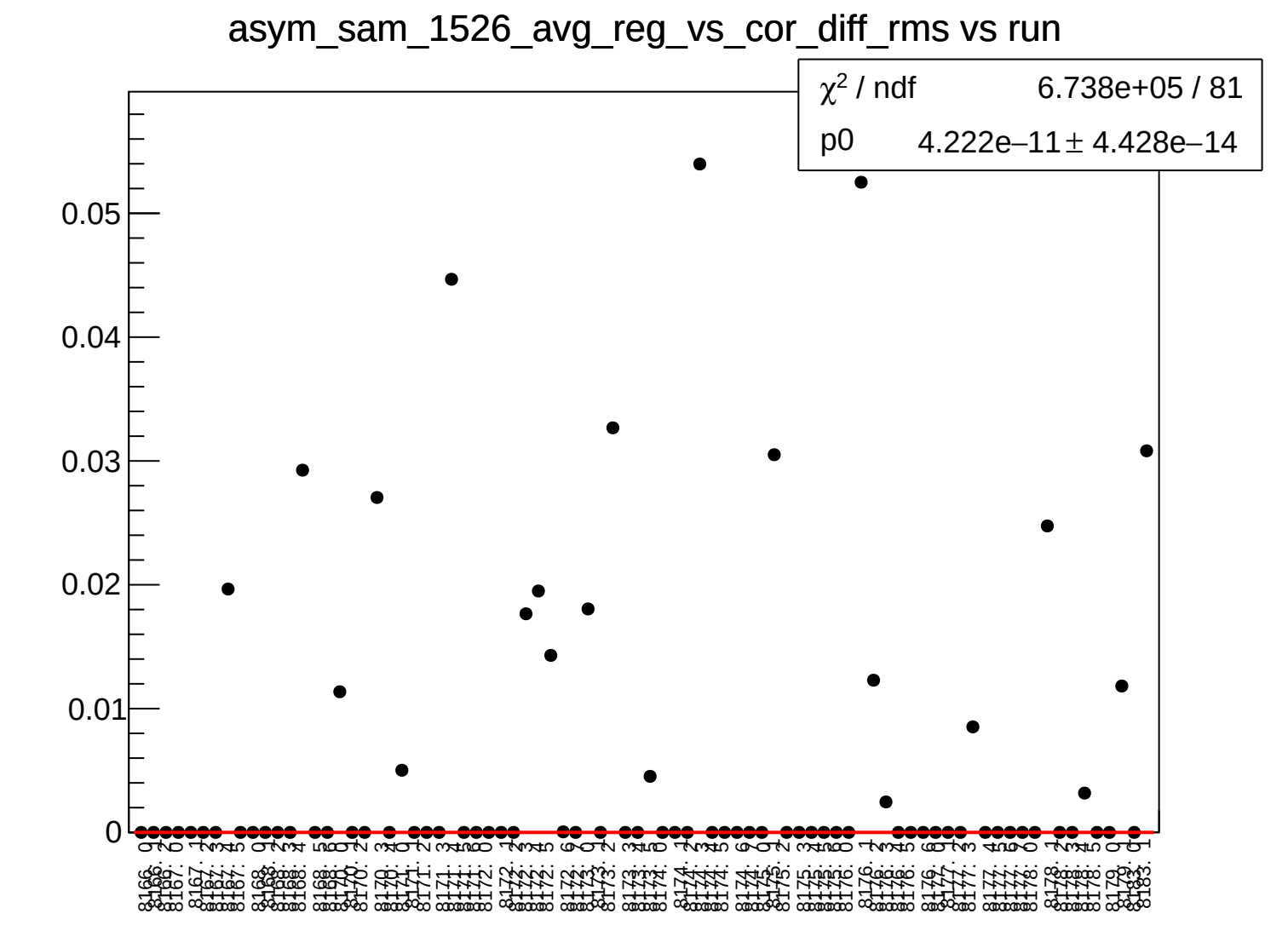

asym_sam_1526_avg_mean vs run
χ² / ndf 89.73 / 81
p0 908 ± 751.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −1150
Std Dev 0
2
1
0
−1
−2
−3

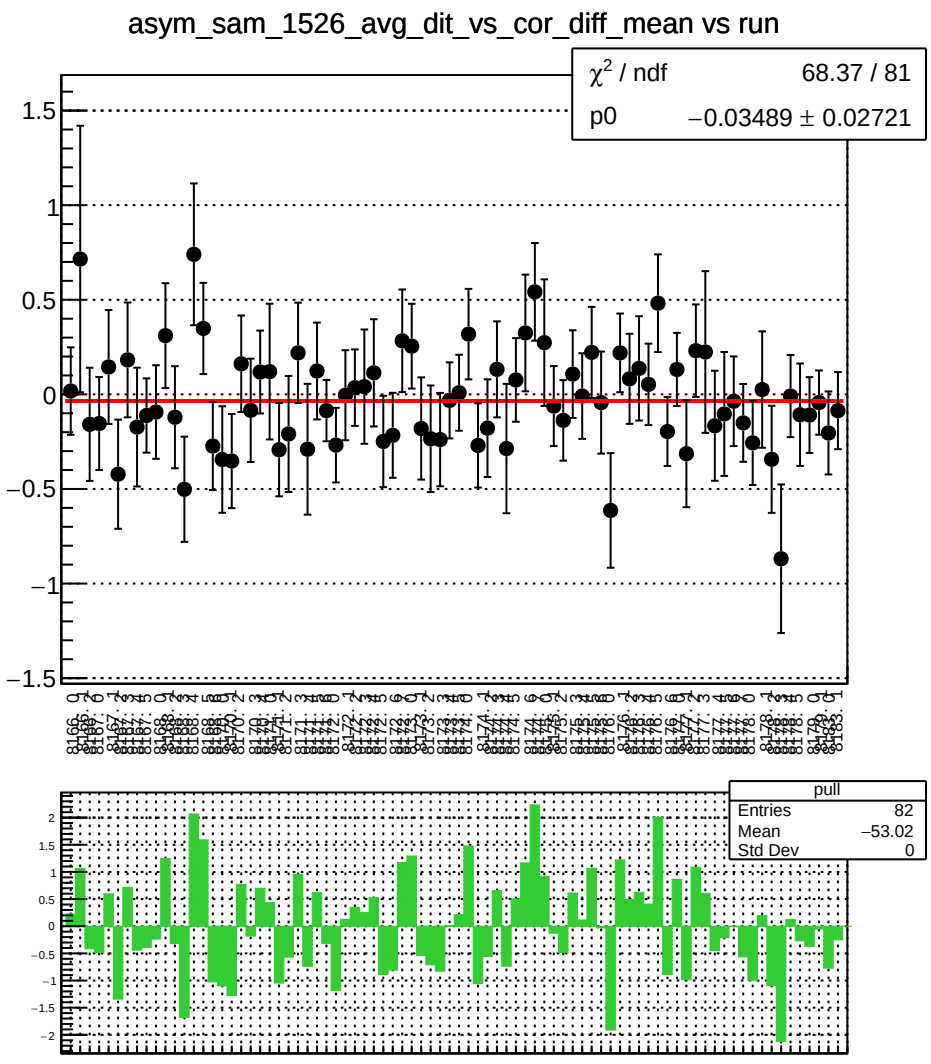

pull1D
Entries 82
Mean 0.001064
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

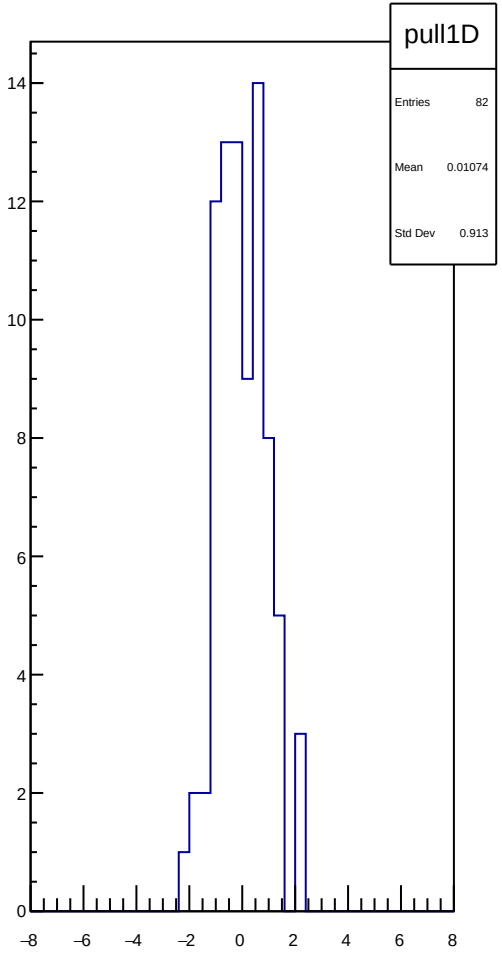

asym_sam_1526_avg_rms vs run
χ² / ndf 2757 / 81
p0 668.1 ± 0.5315
780
760
740
720
700
680
660
640
620

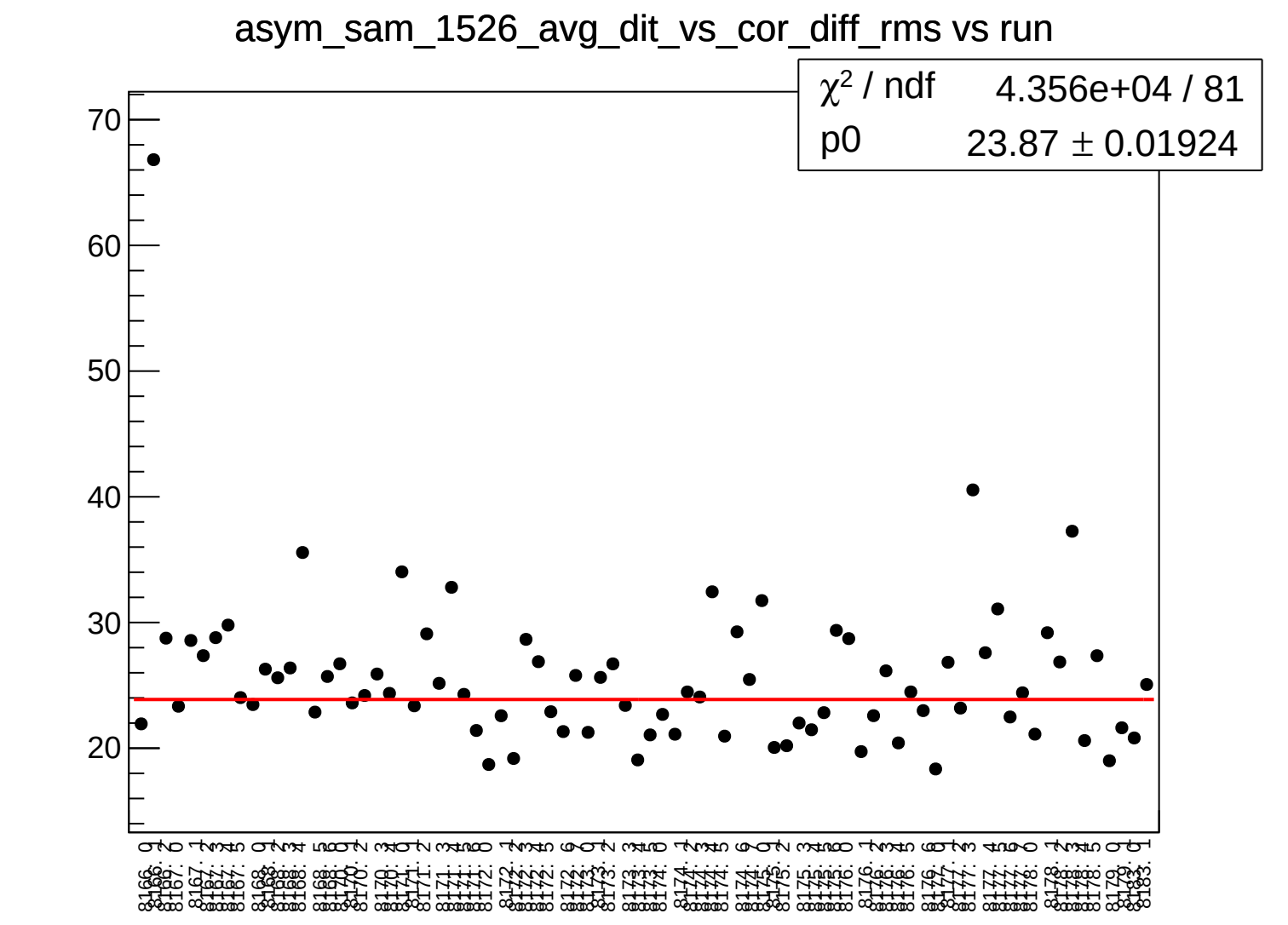

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.66 / 81
p0 5.502e−14 ± 6.262e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 82
Mean 414
Std Dev 0
2
1
0
−1
−2

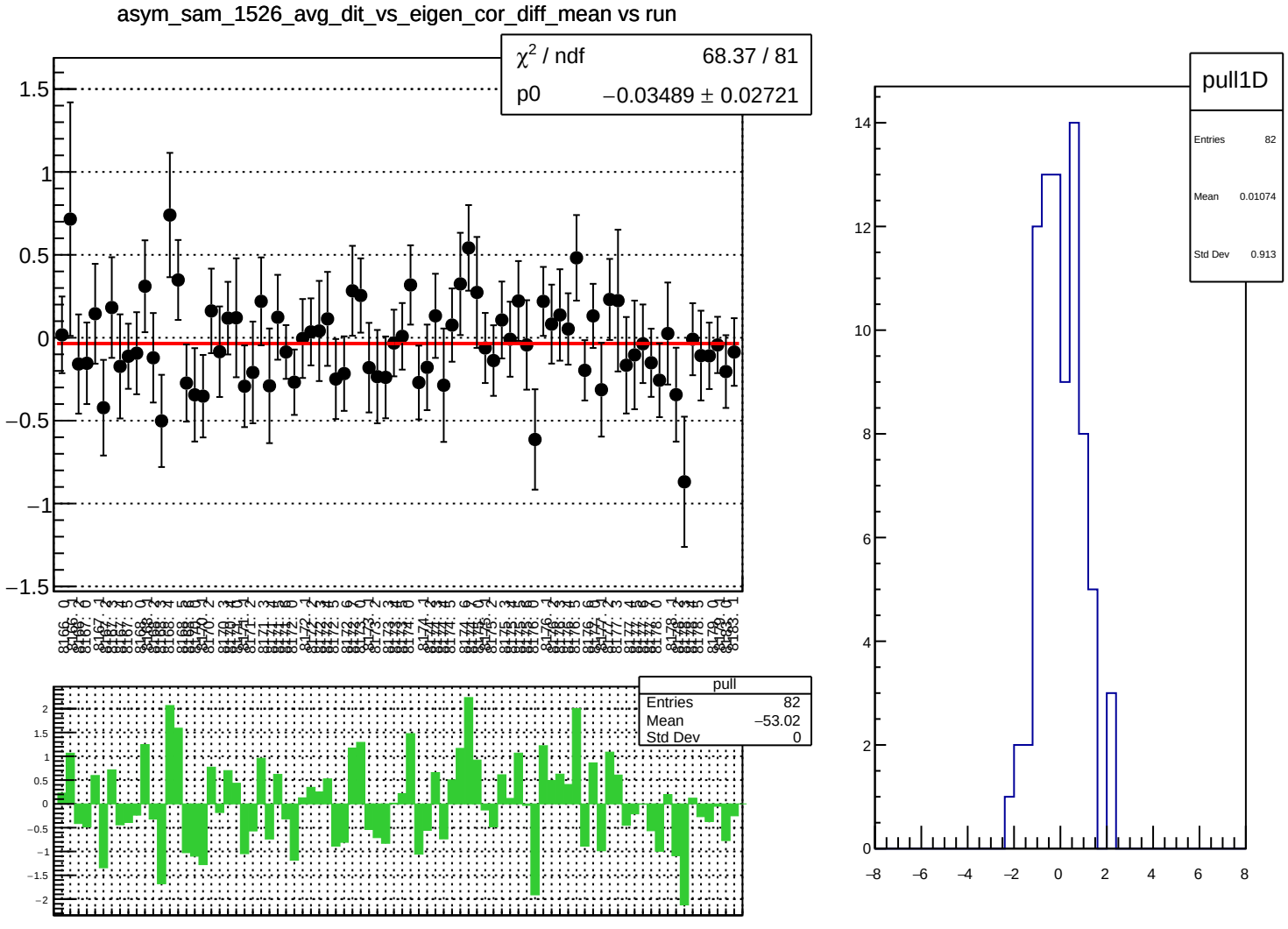

pull1D
Entries 82
Mean 0.01152
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

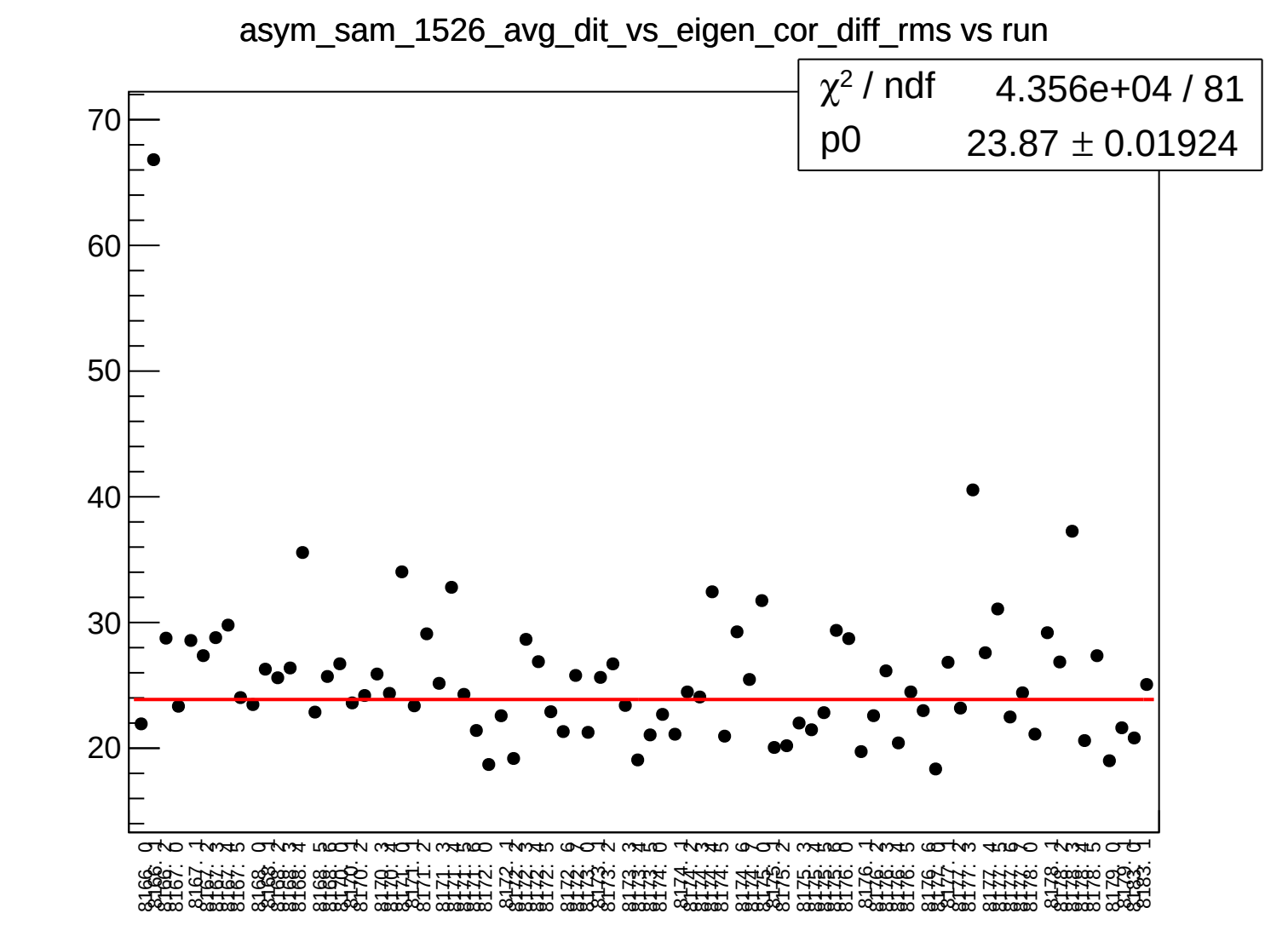

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.738e+05 / 81
p0 4.222e−11 ± 4.428e−14
0.05
0.04
0.03
0.02
0.01
0

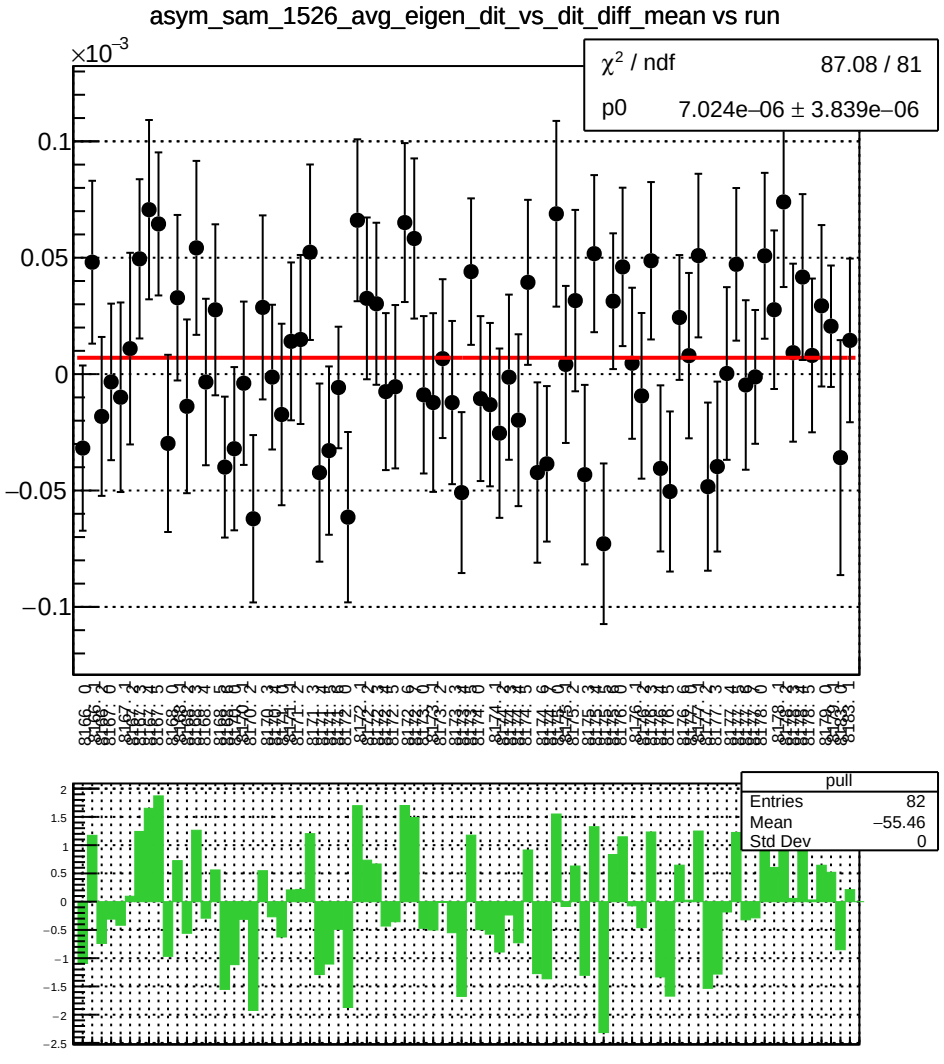

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.37 / 81
p0 −0.03489 ± 0.02721
pull
Entries 82
Mean −53.02
Std Dev 0

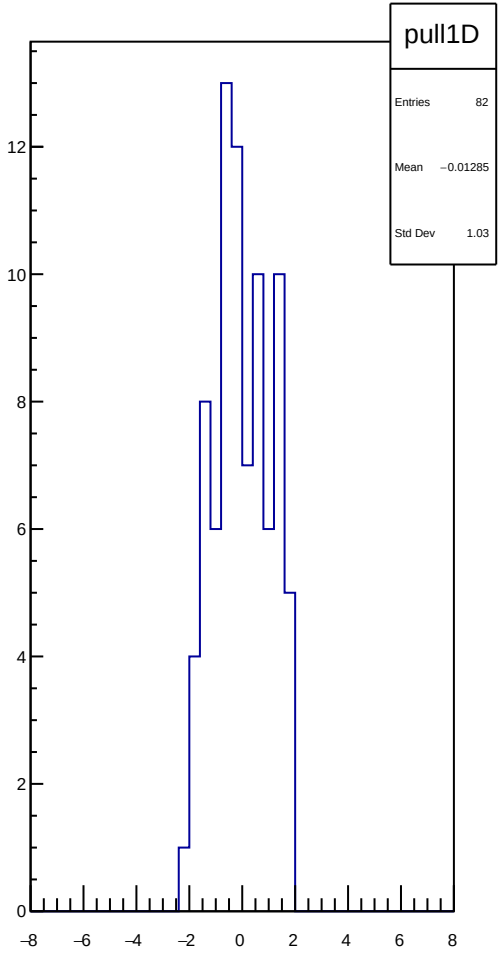

pull1D
Entries 82
Mean 0.01074
Std Dev 0.913

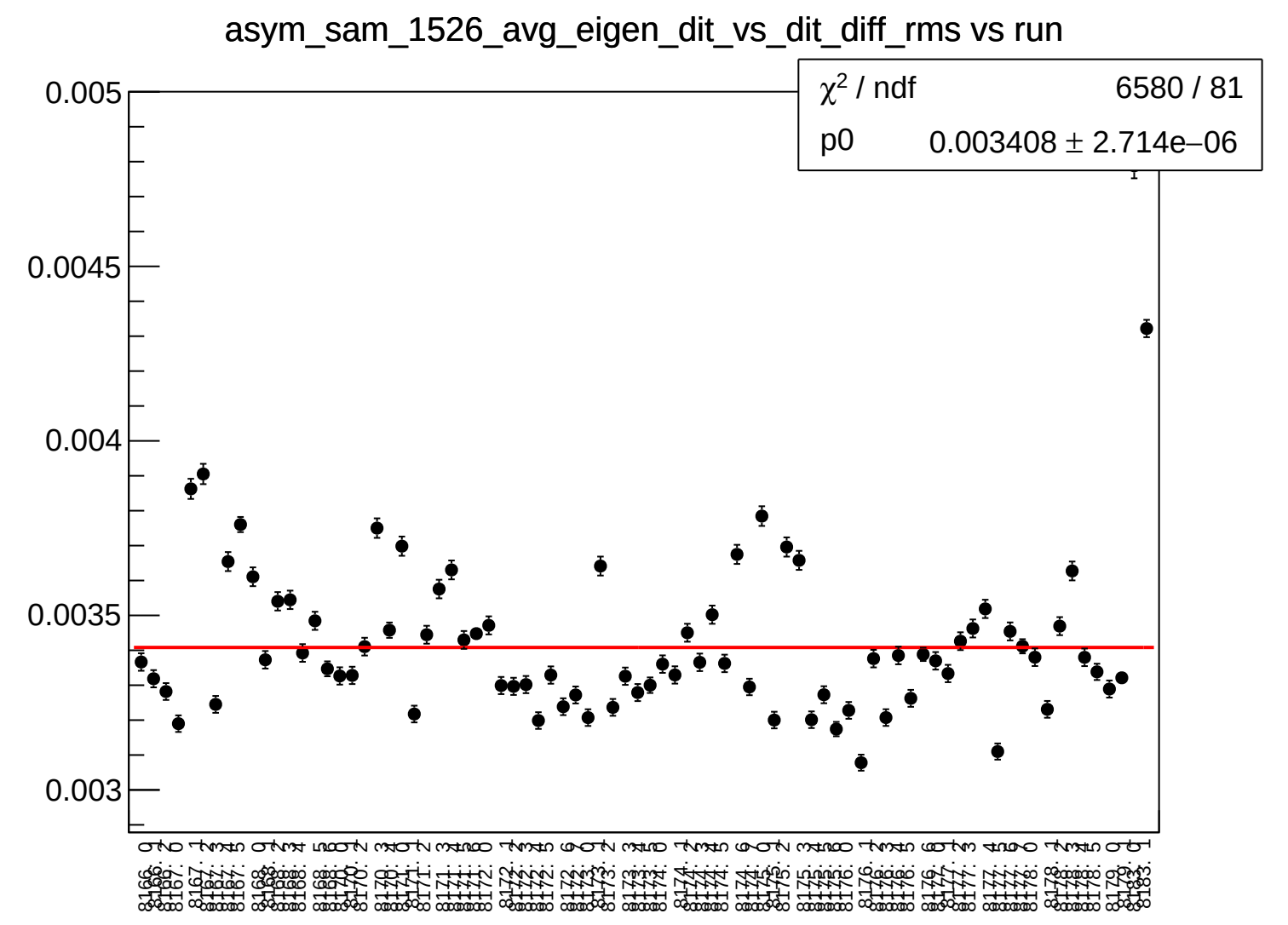

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.356e+04 / 81
p0 23.87 ± 0.01924
70
60
50
40
30
20

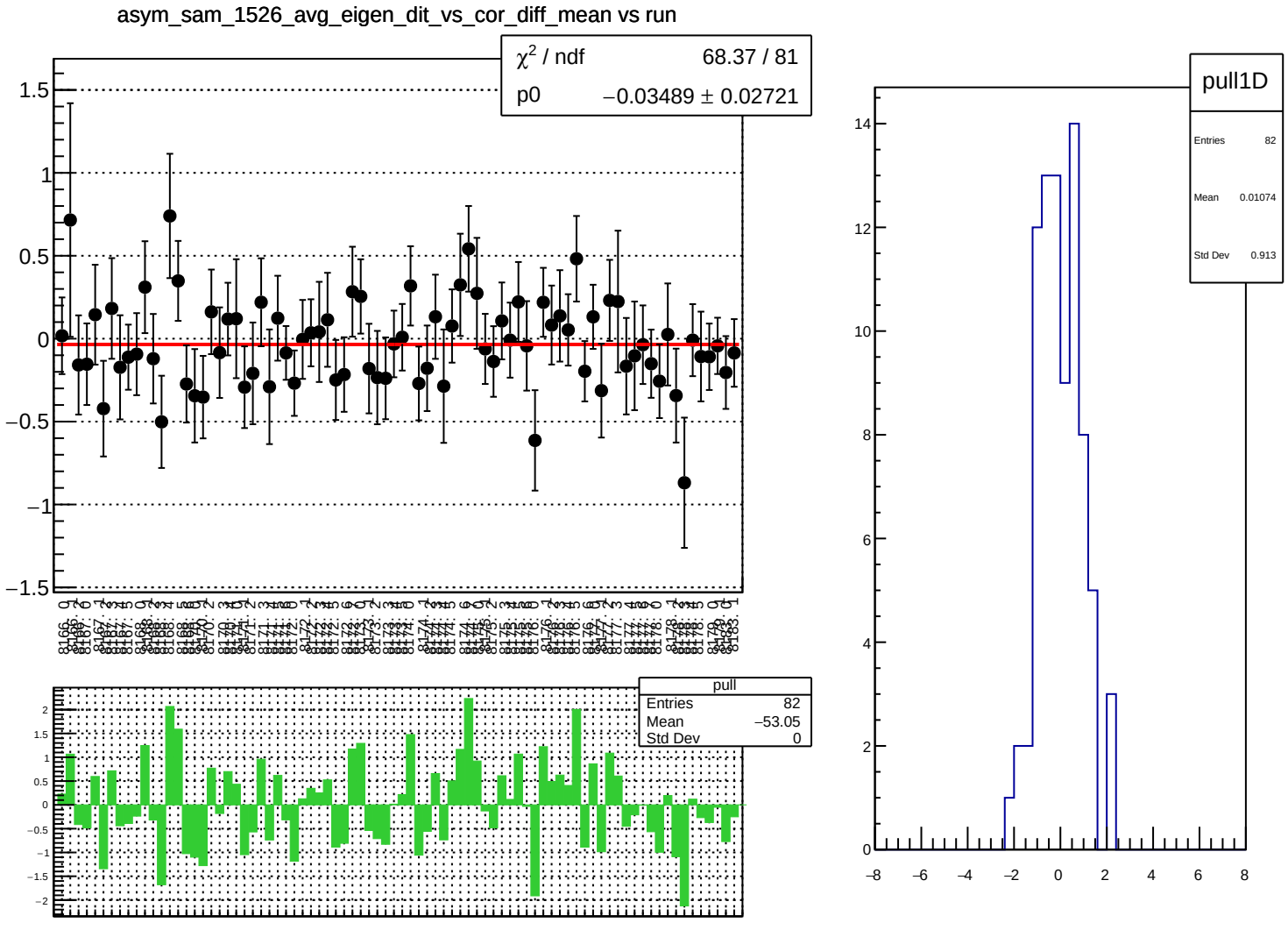

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.37 / 81
p0 −0.03489 ± 0.02721
pull
Entries 82
Mean −53.02
Std Dev 0
pull1D
Entries 82
Mean 0.01074
Std Dev 0.913

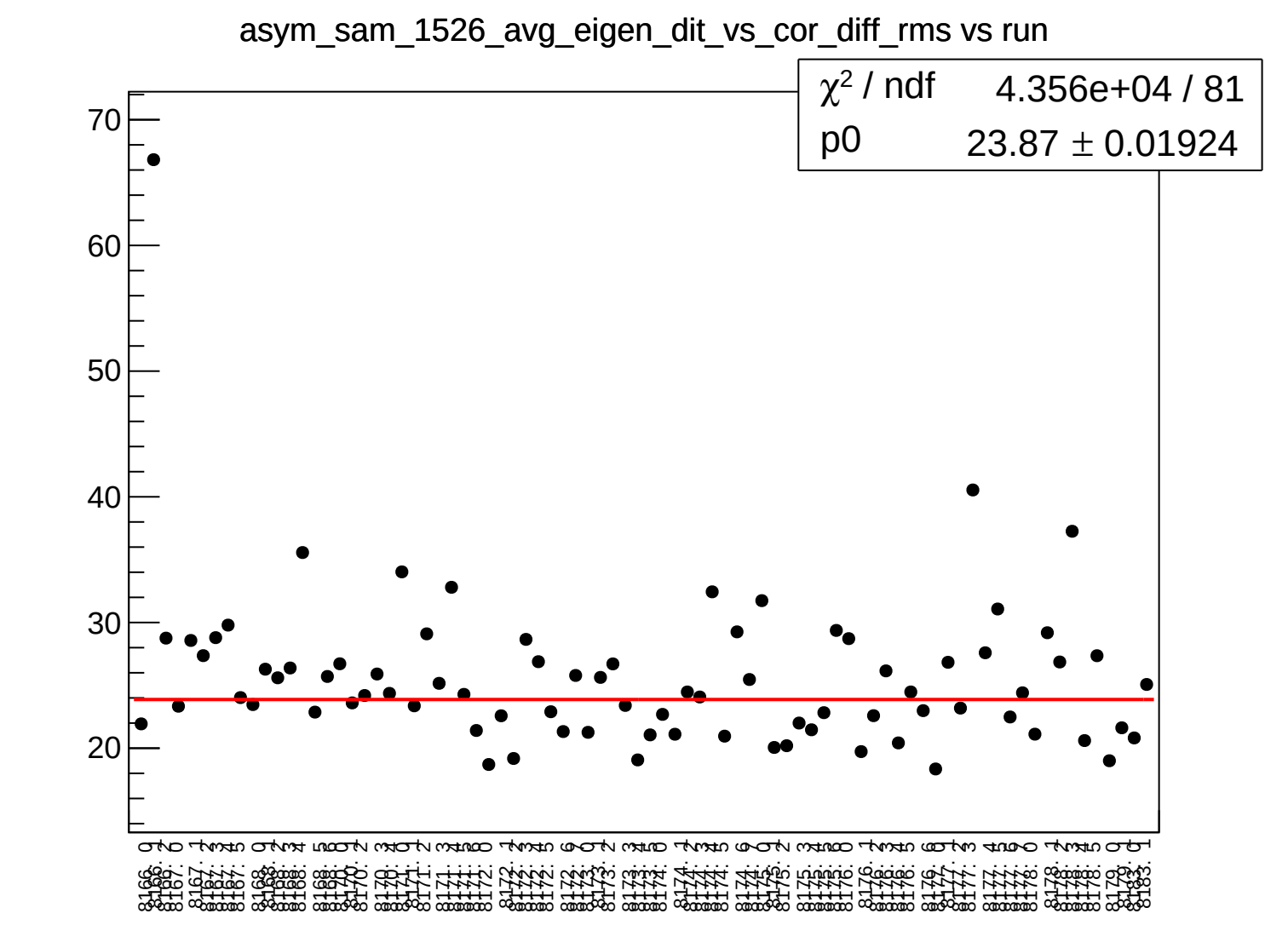

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.356e+04 / 81
p0 23.87 ± 0.01924
70
60
50
40
30
20

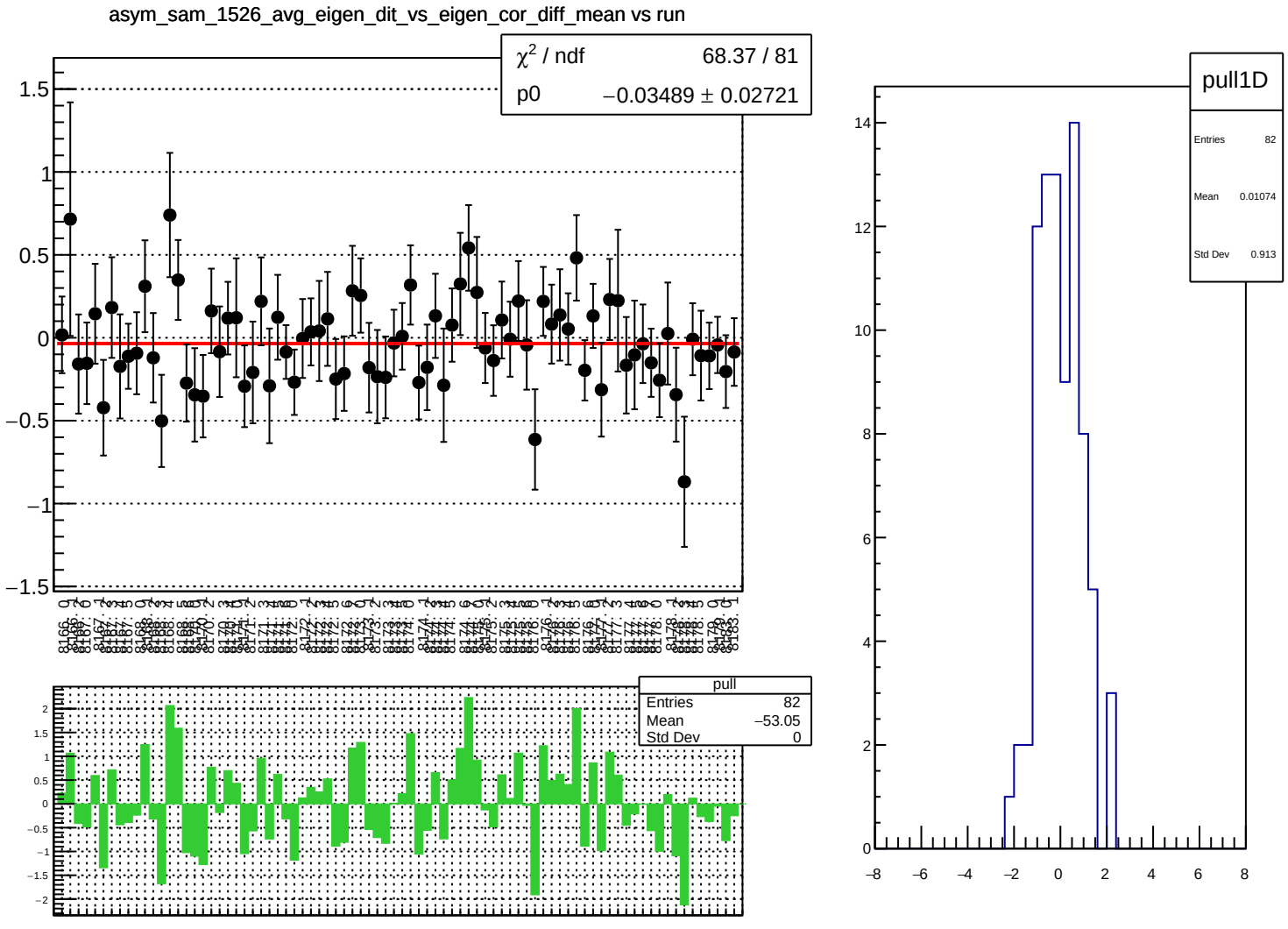

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 87.08 / 81
p0 7.024e−06 ± 3.839e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean −55.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

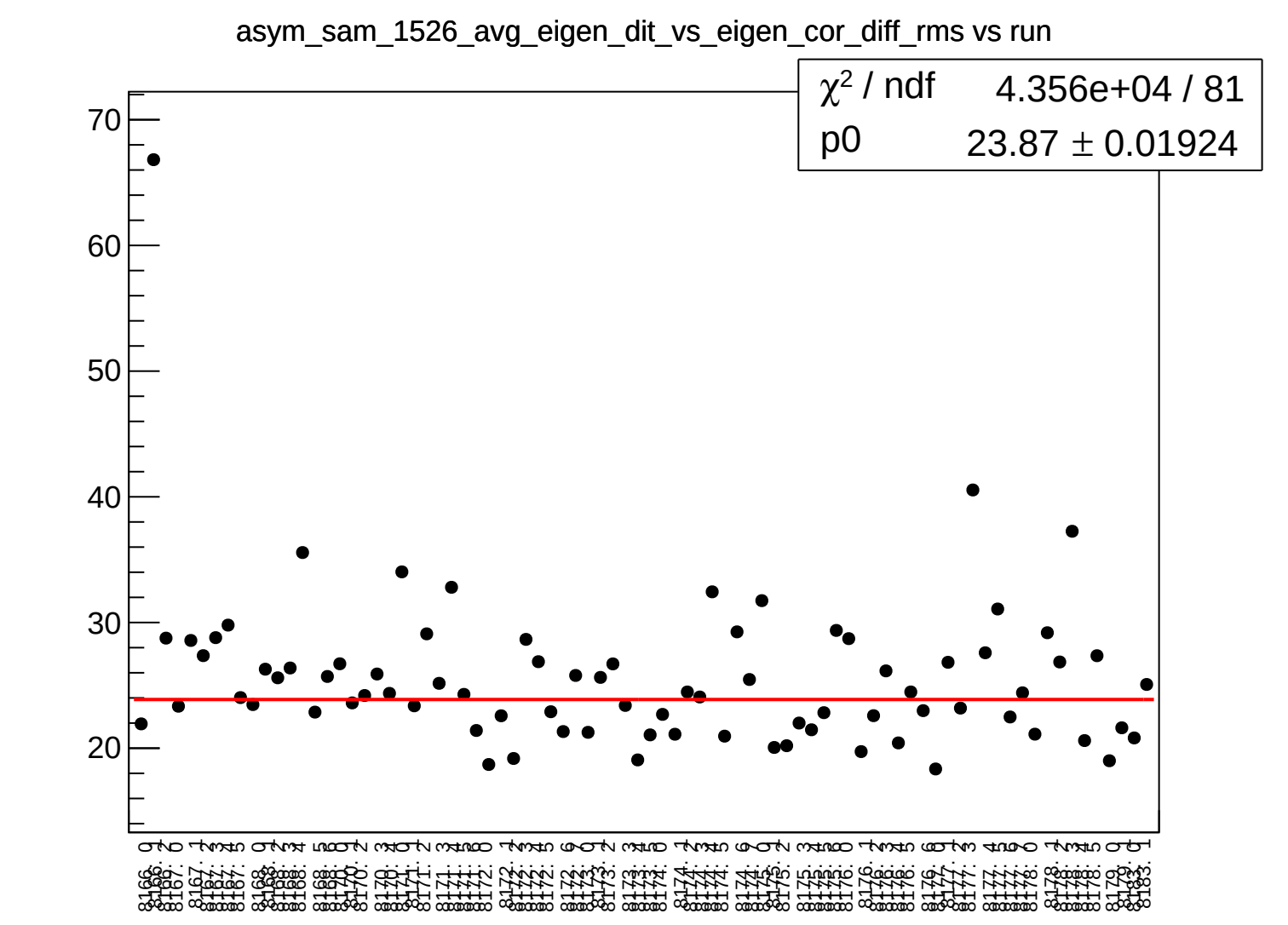

pull1D
Entries 82
Mean −0.01285
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6580 / 81
p0 0.003408 ± 2.714e−06
0.005
0.0045
0.004
0.0035
0.003

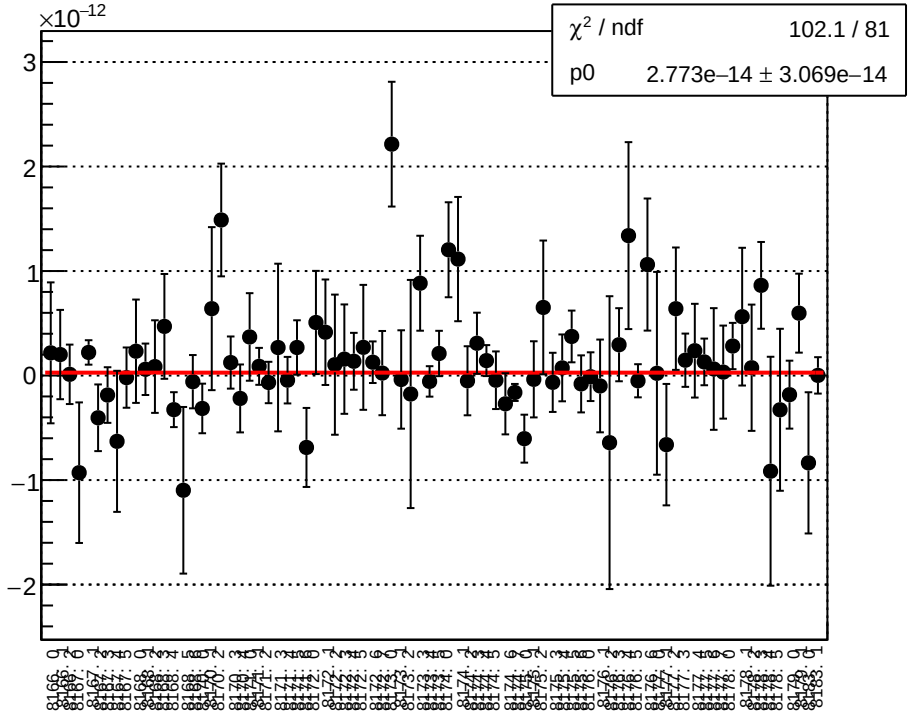

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.37 / 81
p0 −0.03489 ± 0.02721
pull
Entries 82
Mean −53.05
Std Dev 0
pull1D
Entries 82
Mean 0.01074
Std Dev 0.913

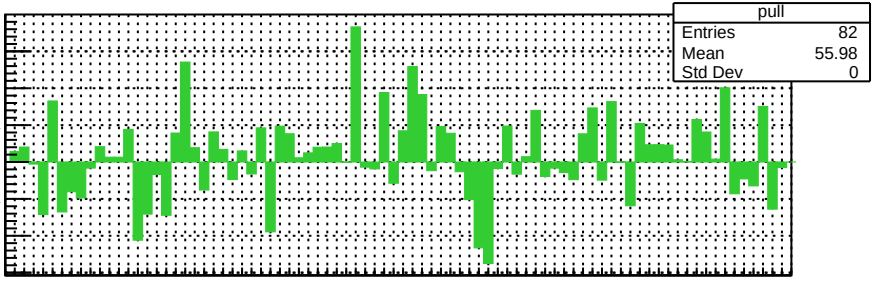

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.356e+04 / 81
p0 23.87 ± 0.01924
70
60
50
40
30
20

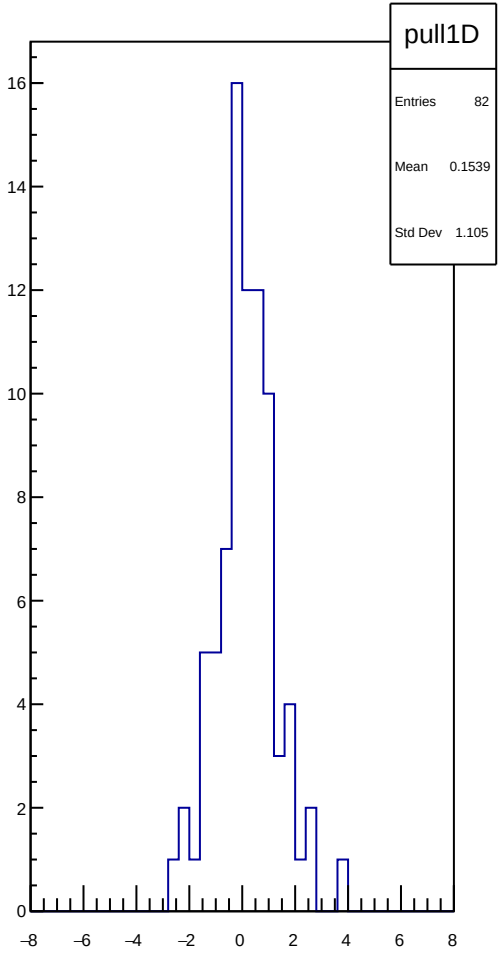

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.37 / 81
p0 −0.03489 ± 0.02721
pull
Entries 82
Mean −53.05
Std Dev 0
pull1D
Entries 82
Mean 0.01074
Std Dev 0.913

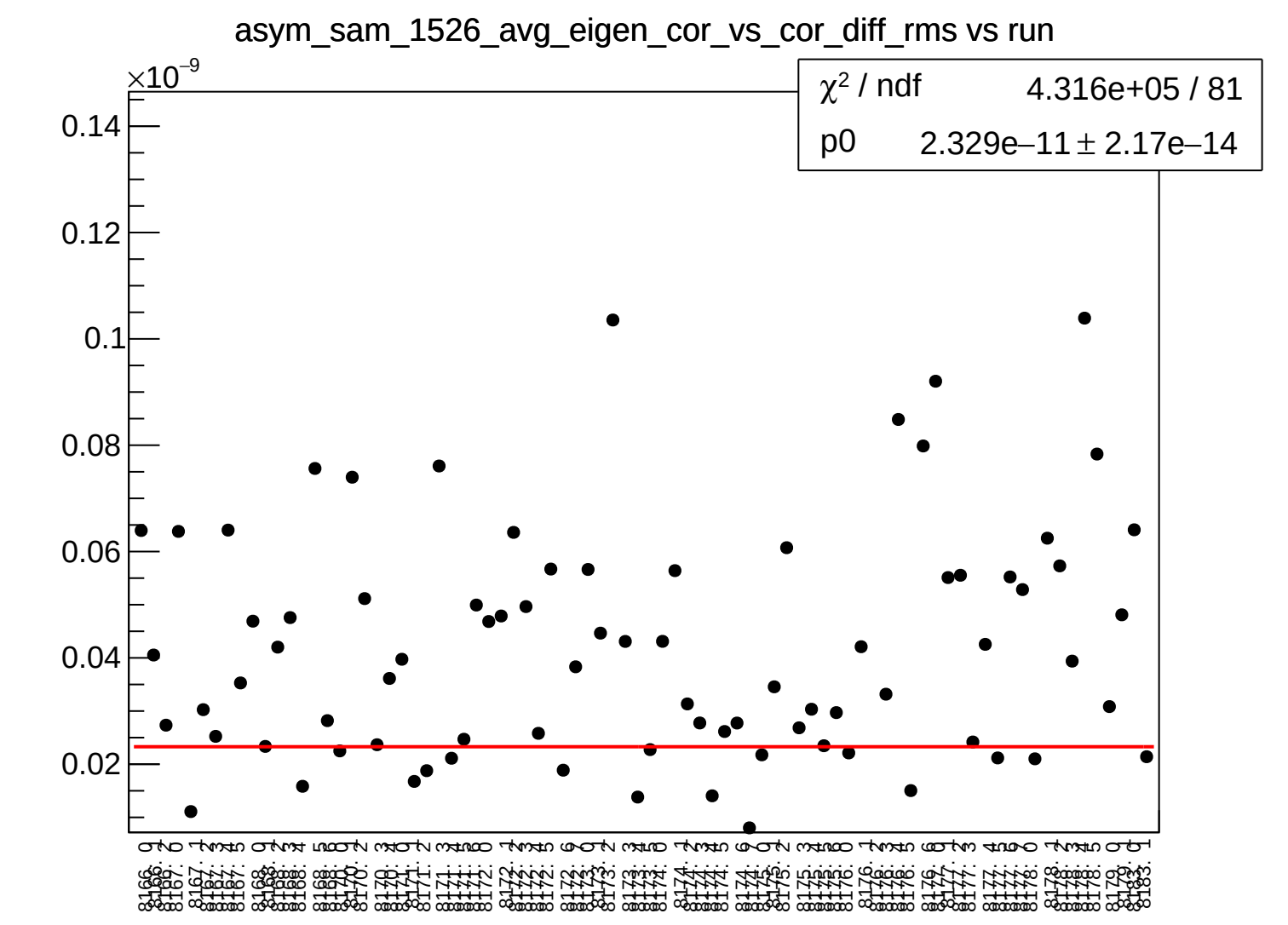

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.356e+04 / 81
p0 23.87 ± 0.01924
70
60
50
40
30
20

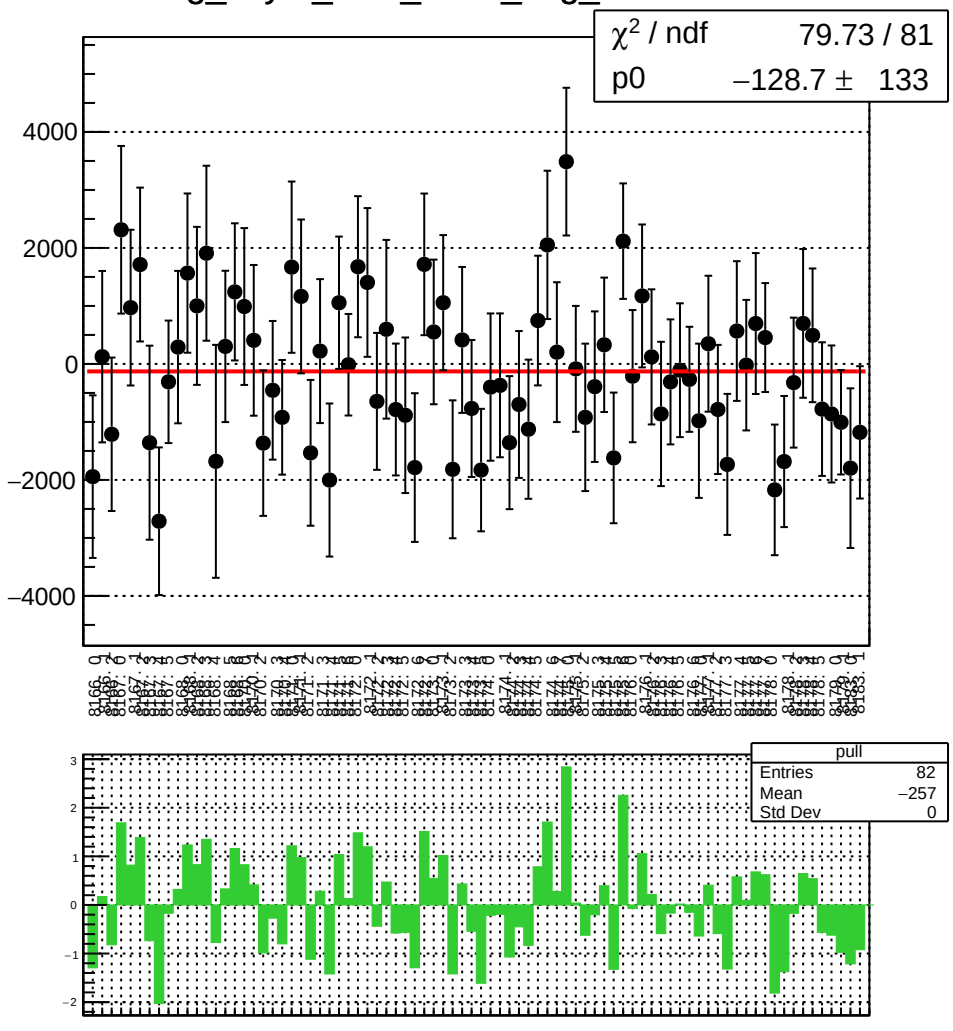
asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run

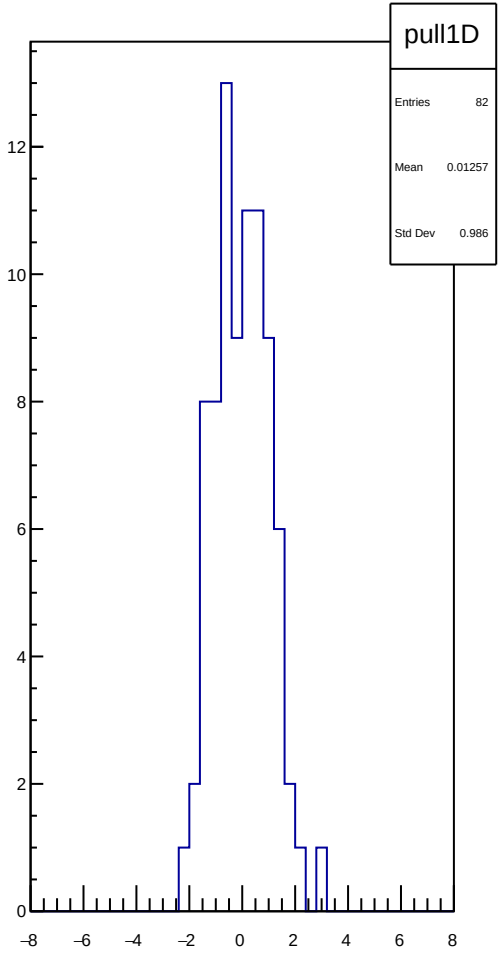


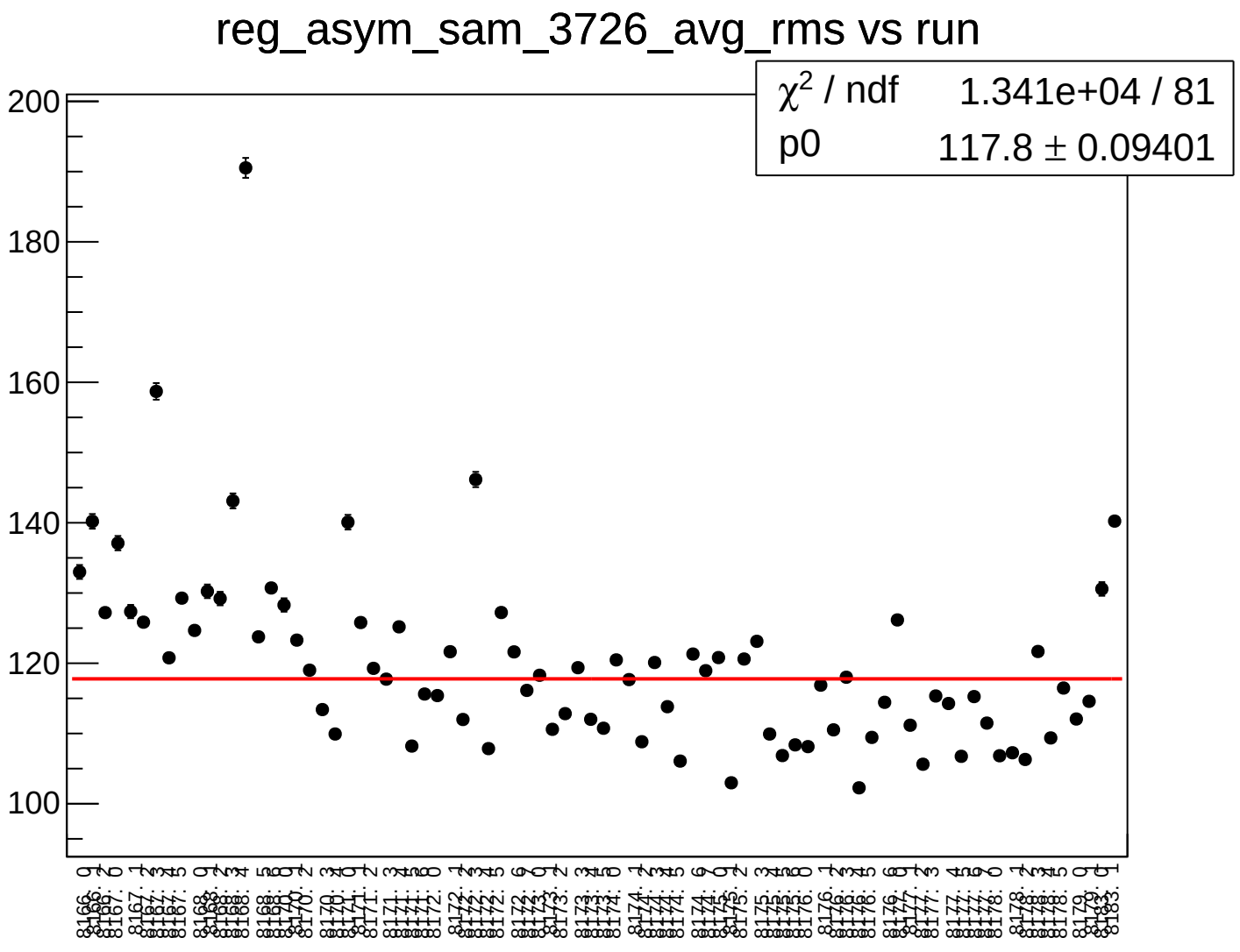


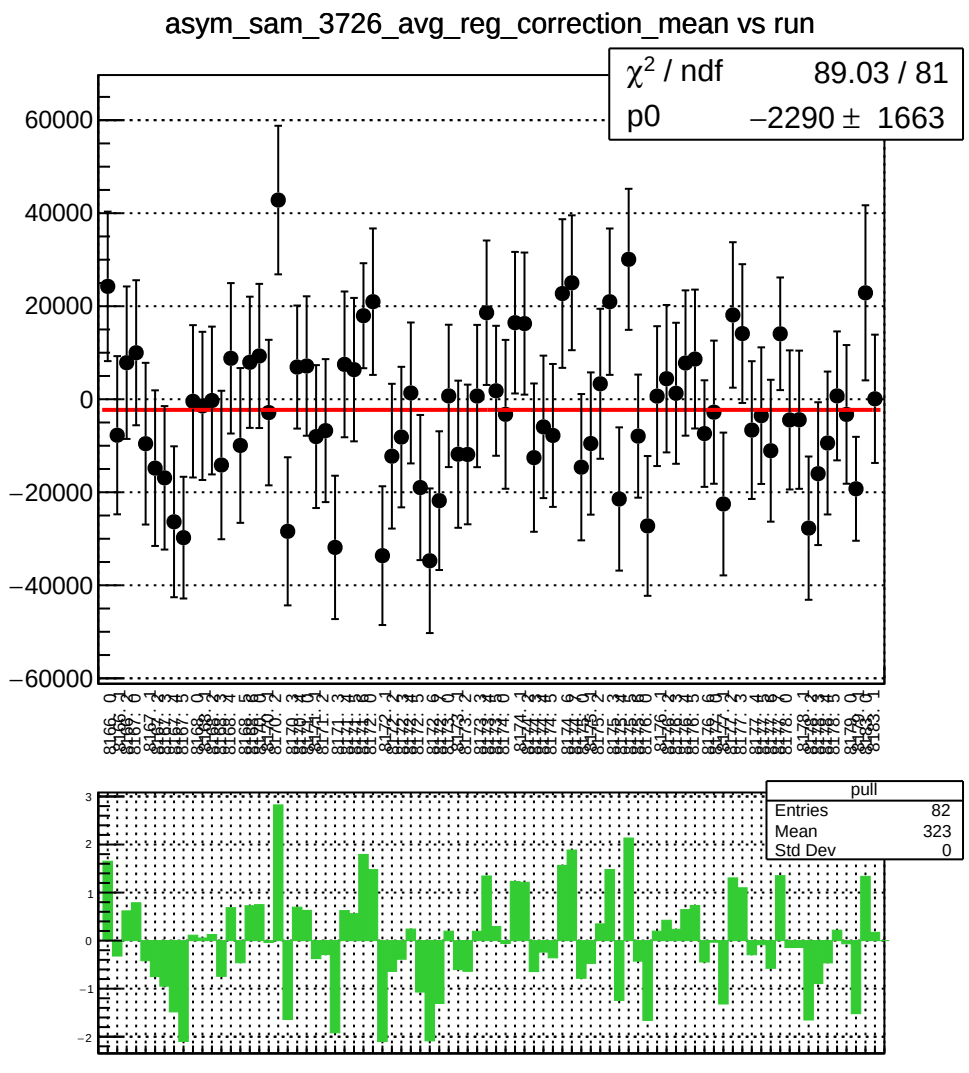


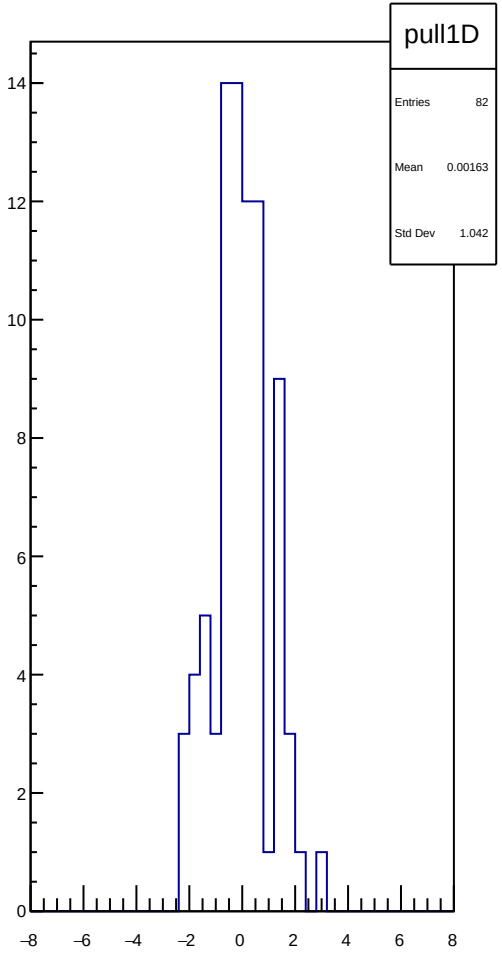

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.316e+05 / 81
p0 2.329e−11 ± 2.17e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

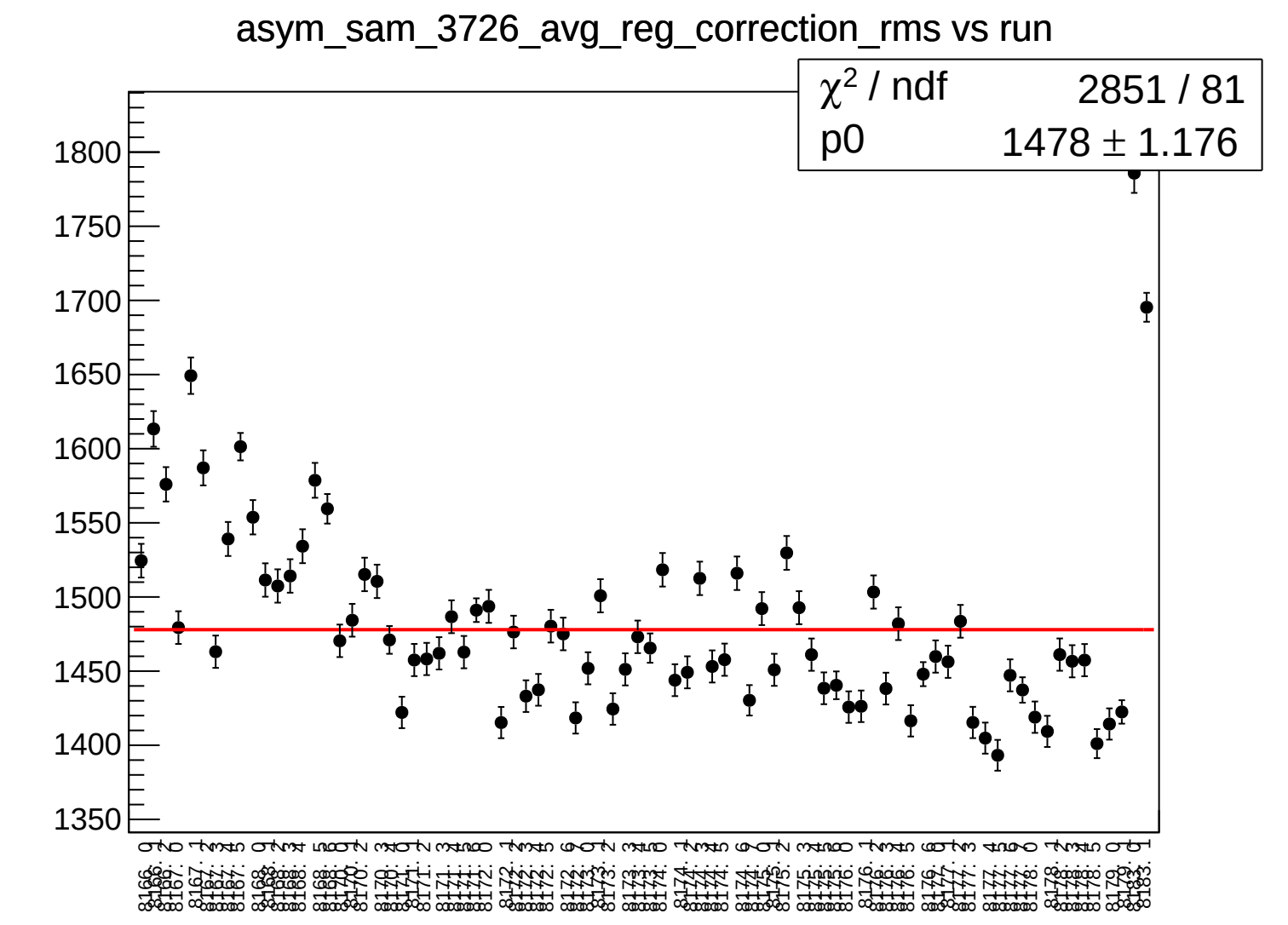

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 79.73 / 81
p0 −128.7 ± 133
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −257
Std Dev 0
3
2
1
0
−1
−2

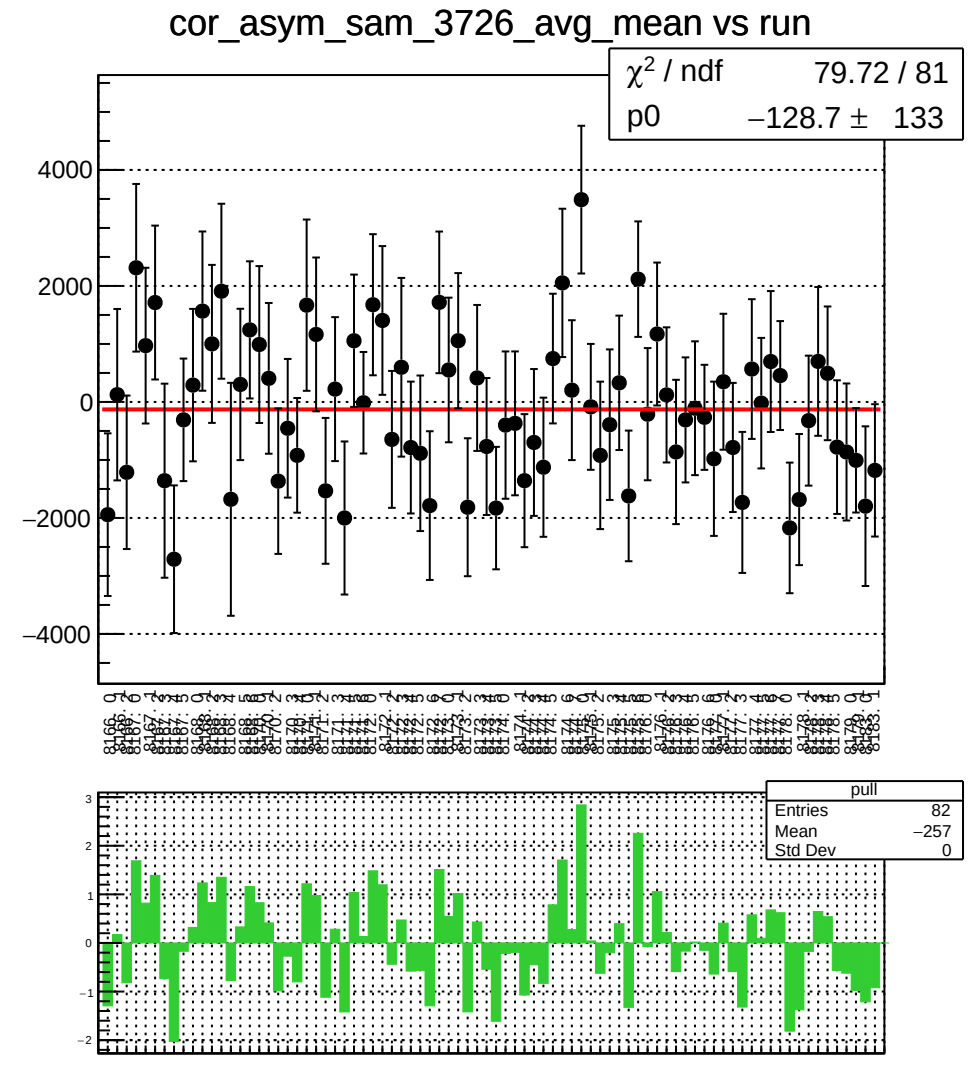

pull1D
Entries 82
Mean 0.01257
Std Dev 0.986
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

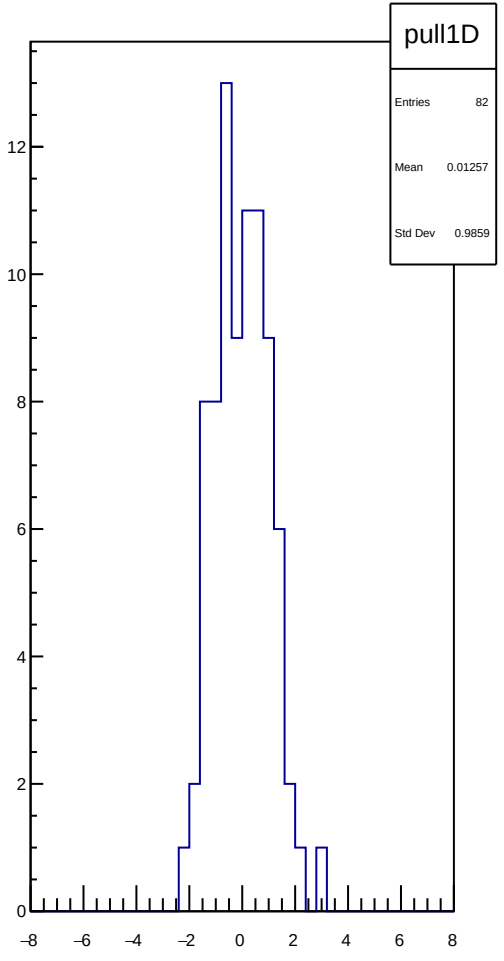

reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.341e+04 / 81
p0 117.8 ± 0.09401
200
180
160
140
120
100

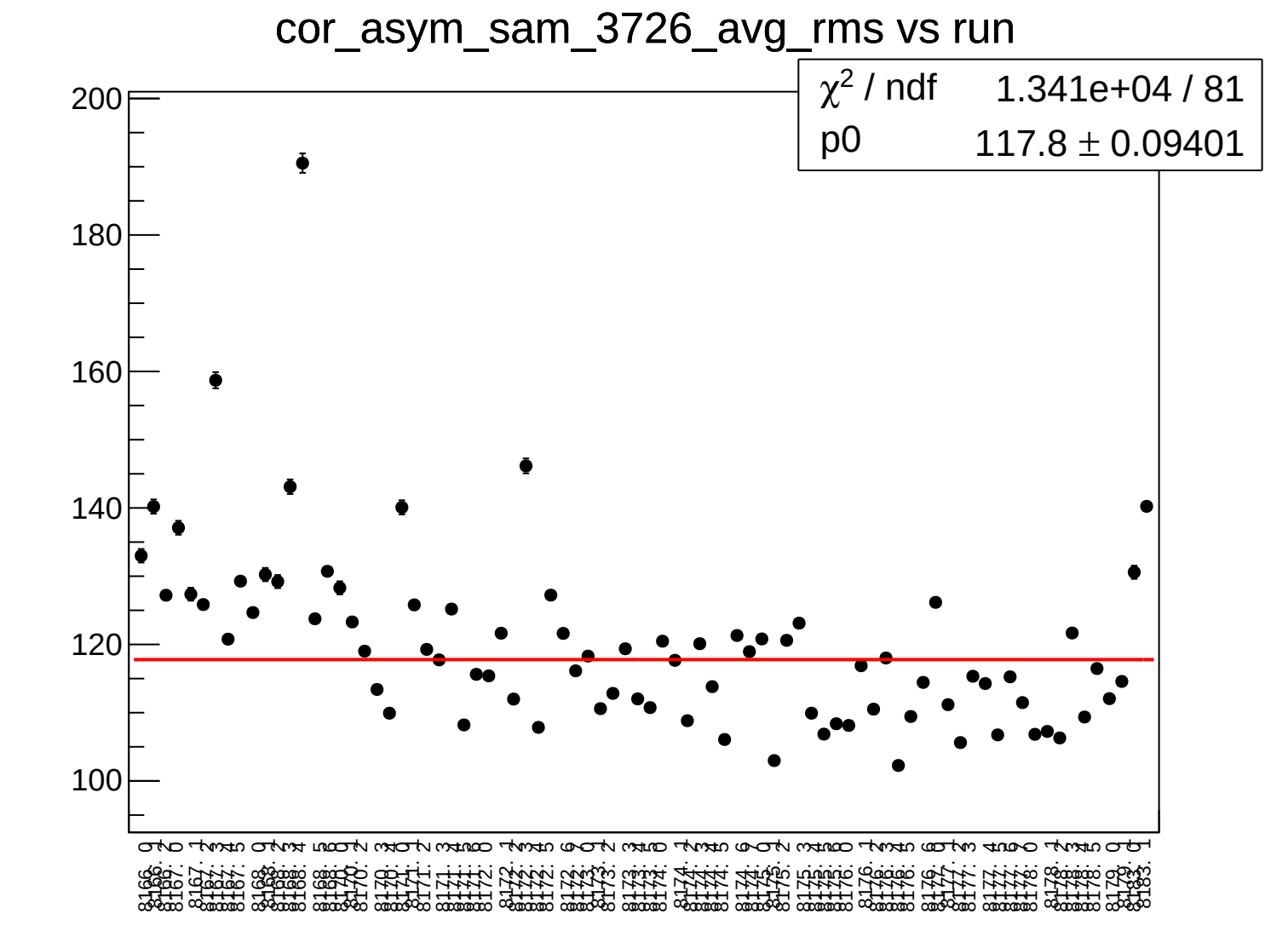

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 89.03 / 81
p0 −2290 ± 1663
pull
Entries 82
Mean 323
Std Dev 0

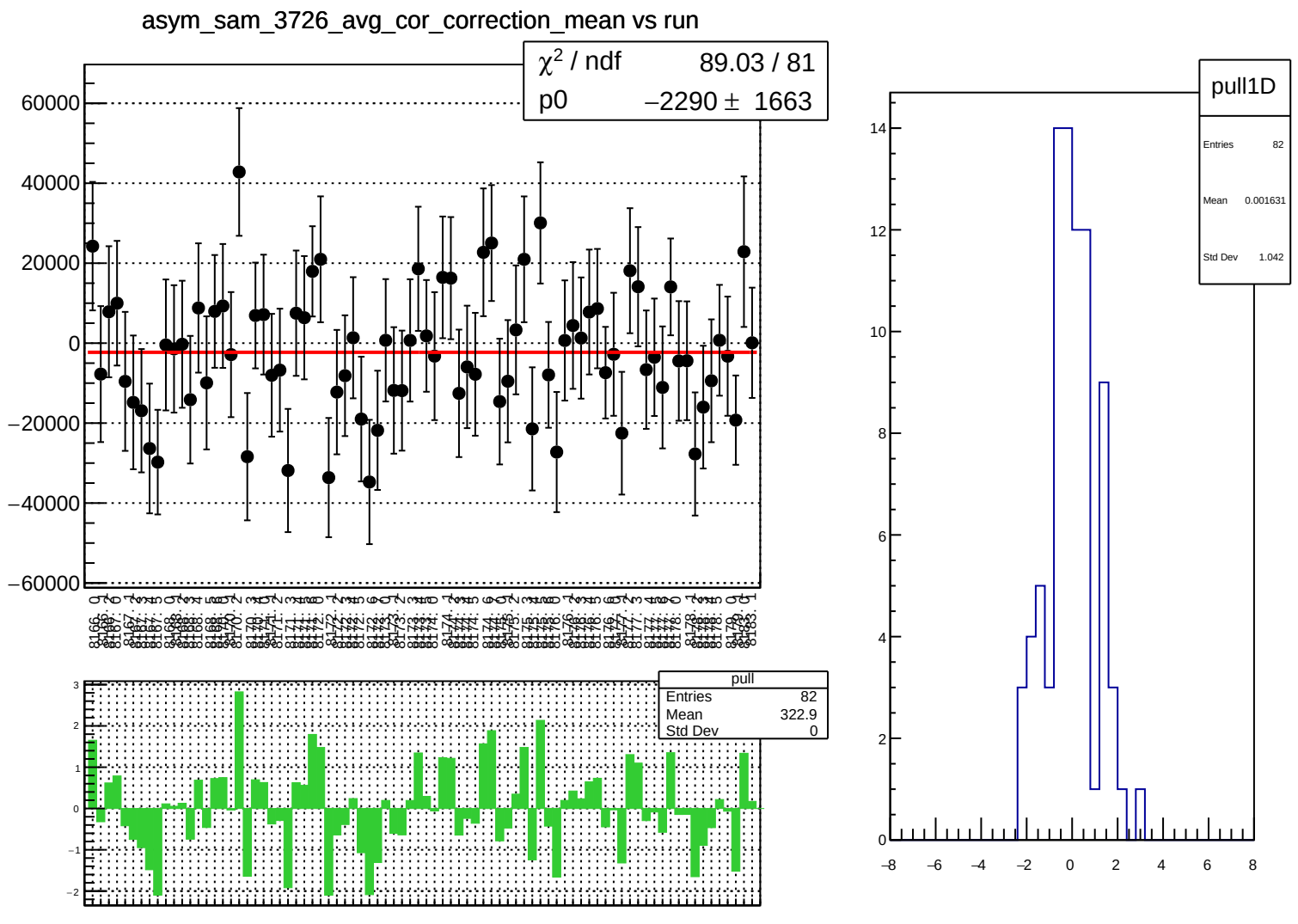

pull1D
Entries 82
Mean 0.00163
Std Dev 1.042

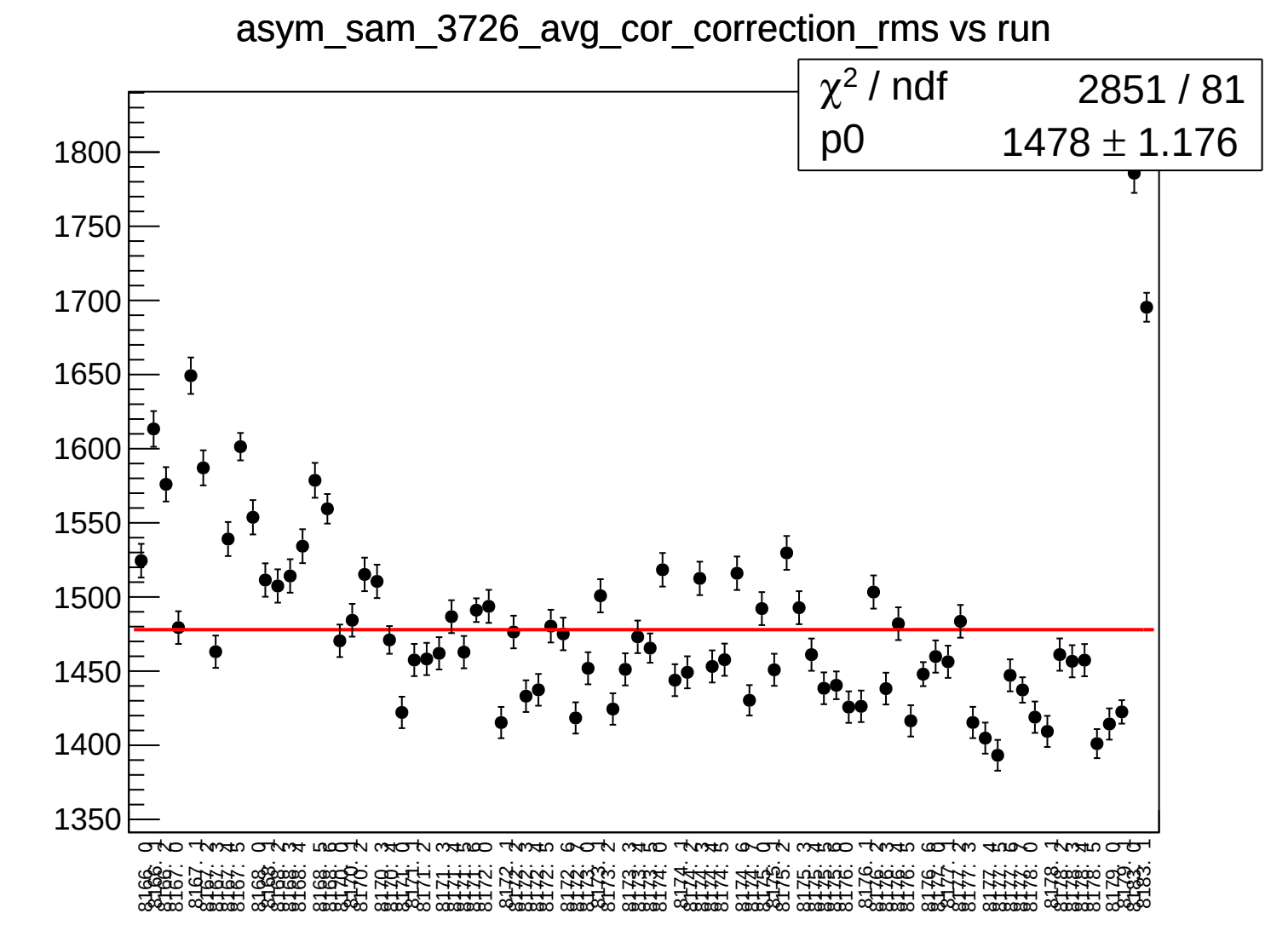

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 2851 / 81
p0 1478 ± 1.176
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

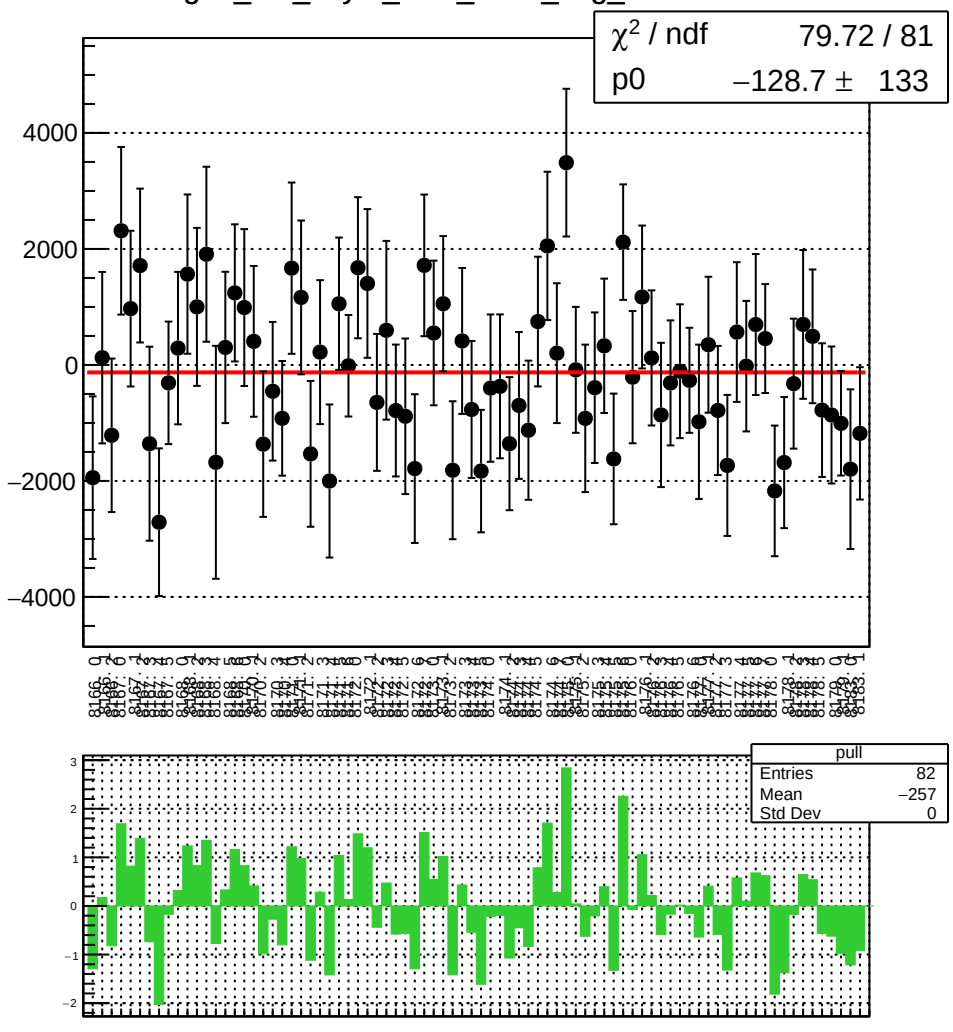

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 79.72 / 81
p0 −128.7 ± 133
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −257
Std Dev 0
3
2
1
0
−1
−2

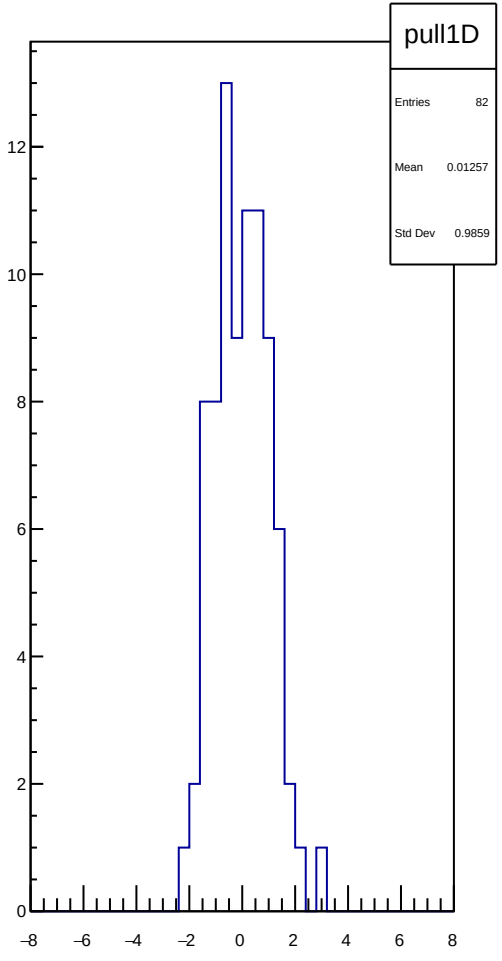

pull1D
Entries 82
Mean 0.01257
Std Dev 0.9859
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

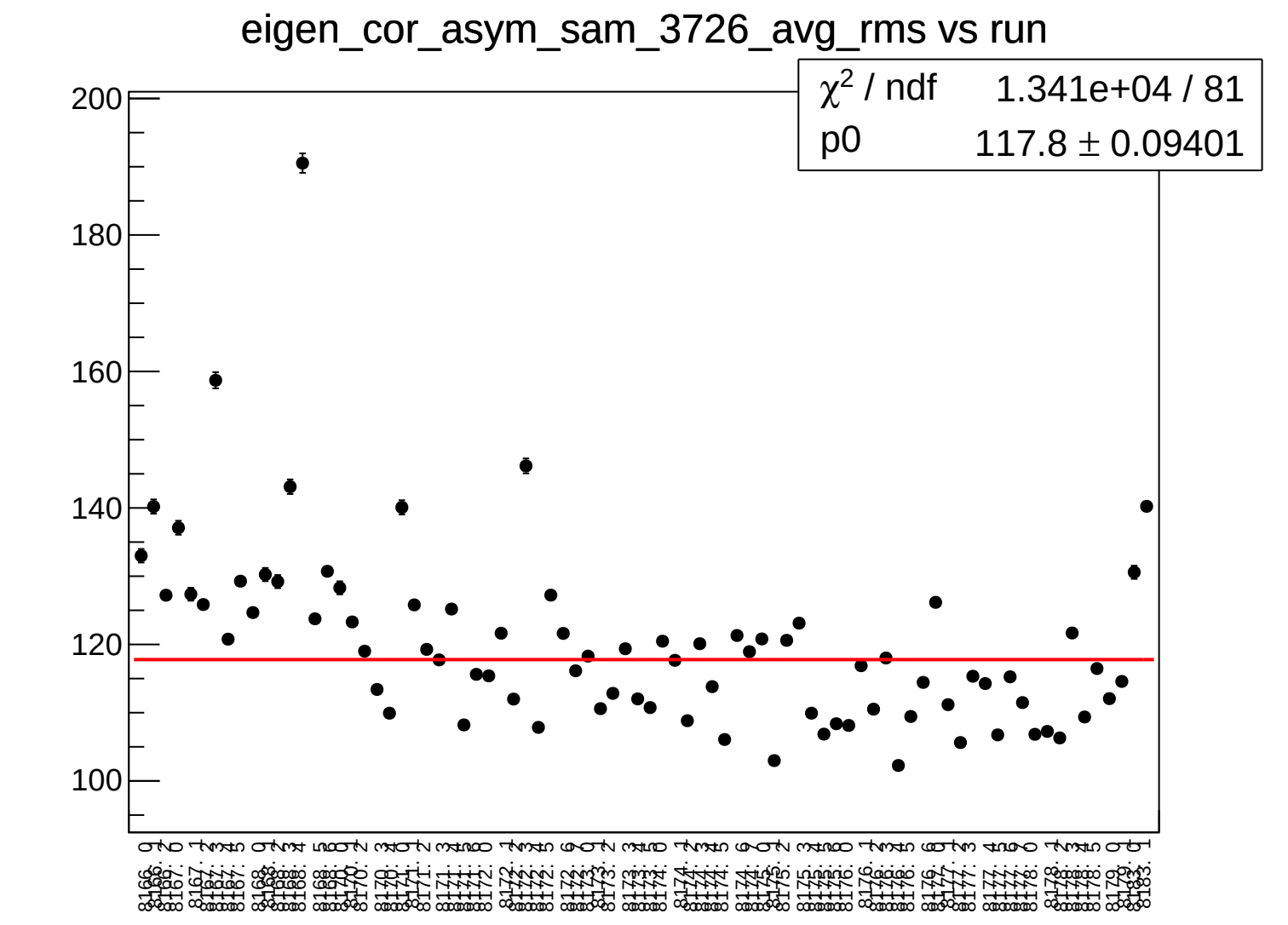

cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.341e+04 / 81
p0 117.8 ± 0.09401
200
180
160
140
120
100

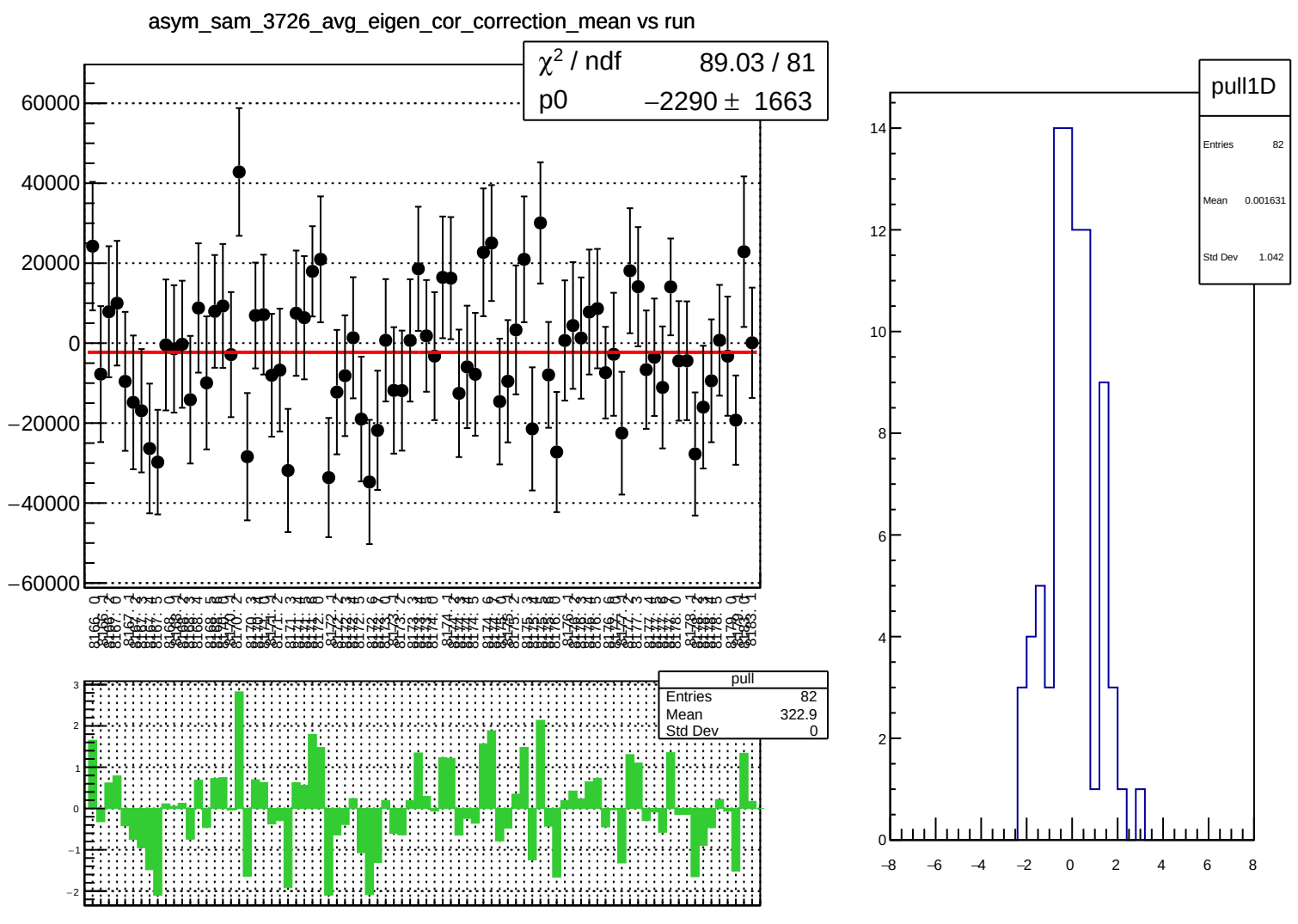

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 89.03 / 81
p0 −2290 ± 1663
pull
Entries 82
Mean 322.9
Std Dev 0
pull1D
Entries 82
Mean 0.001631
Std Dev 1.042

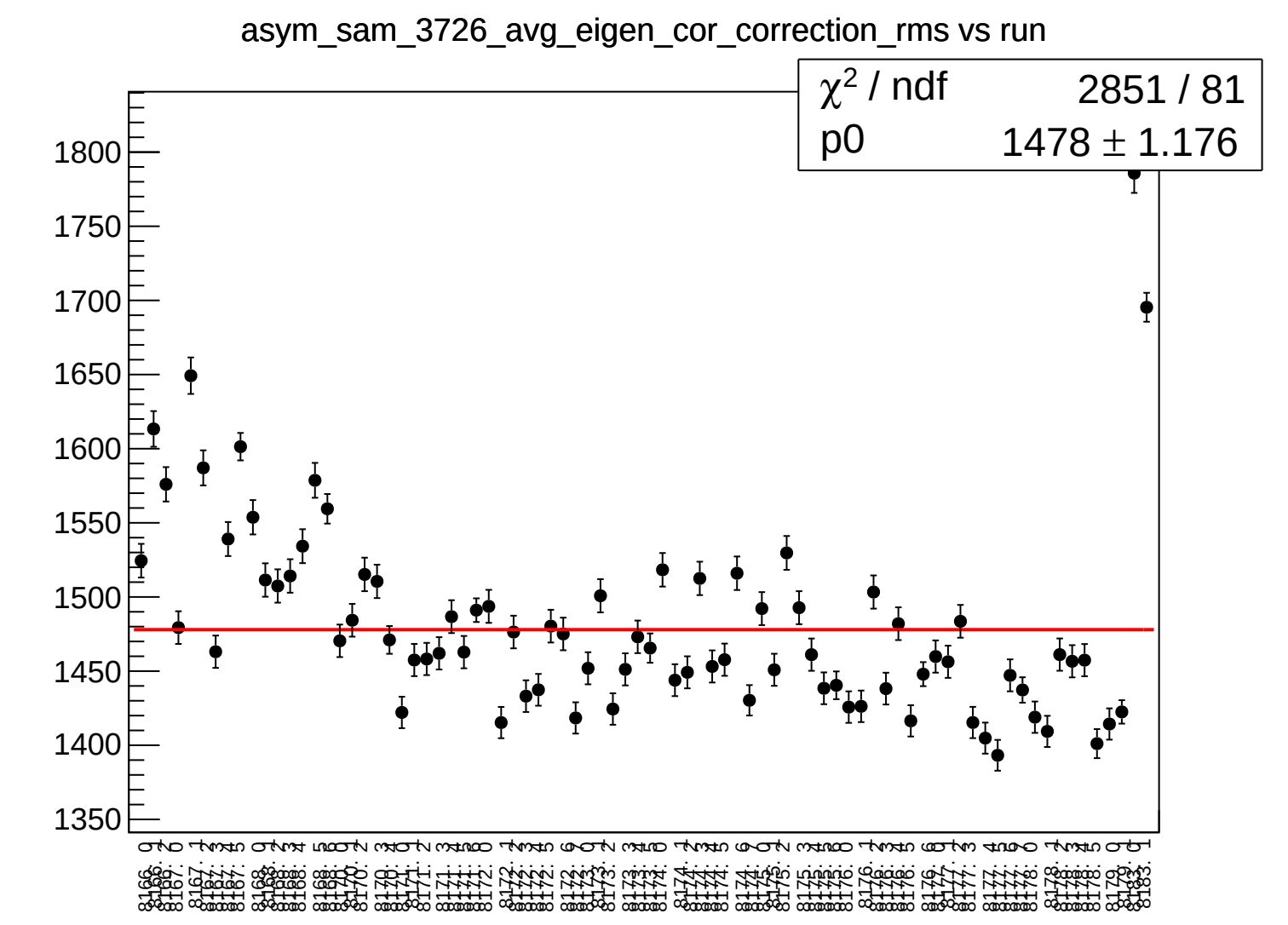

asym_sam_3726_avg_cor_correction_rms vs run
χ^2 / ndf 2851 / 81
p0 1478 ± 1.176
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

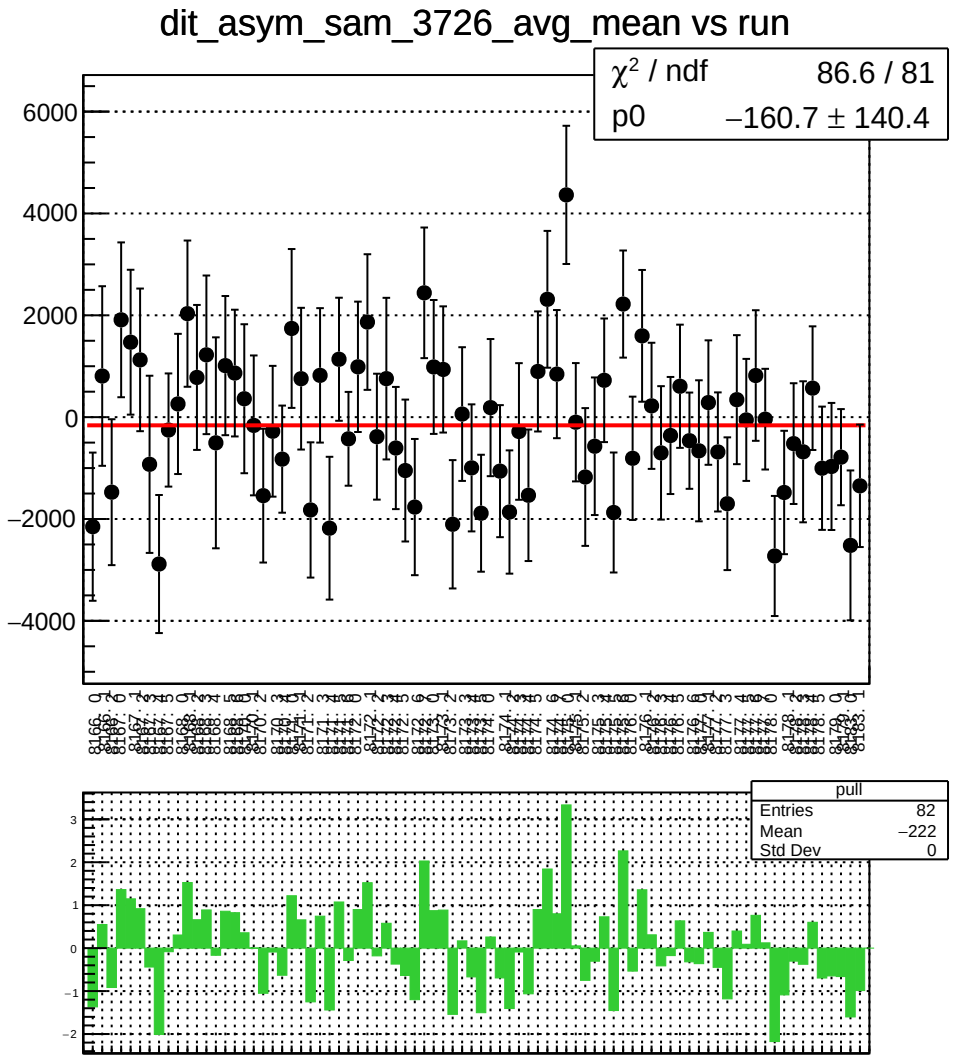

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 79.72 / 81
p0 −128.7 ± 133
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −257
Std Dev 0
3
2
1
0
−1
−2

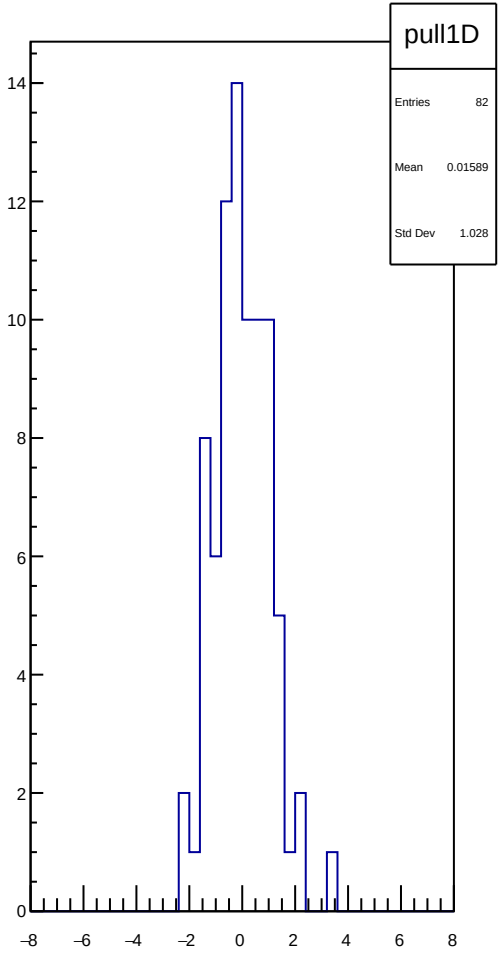

pull1D
Entries 82
Mean 0.01257
Std Dev 0.9859
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

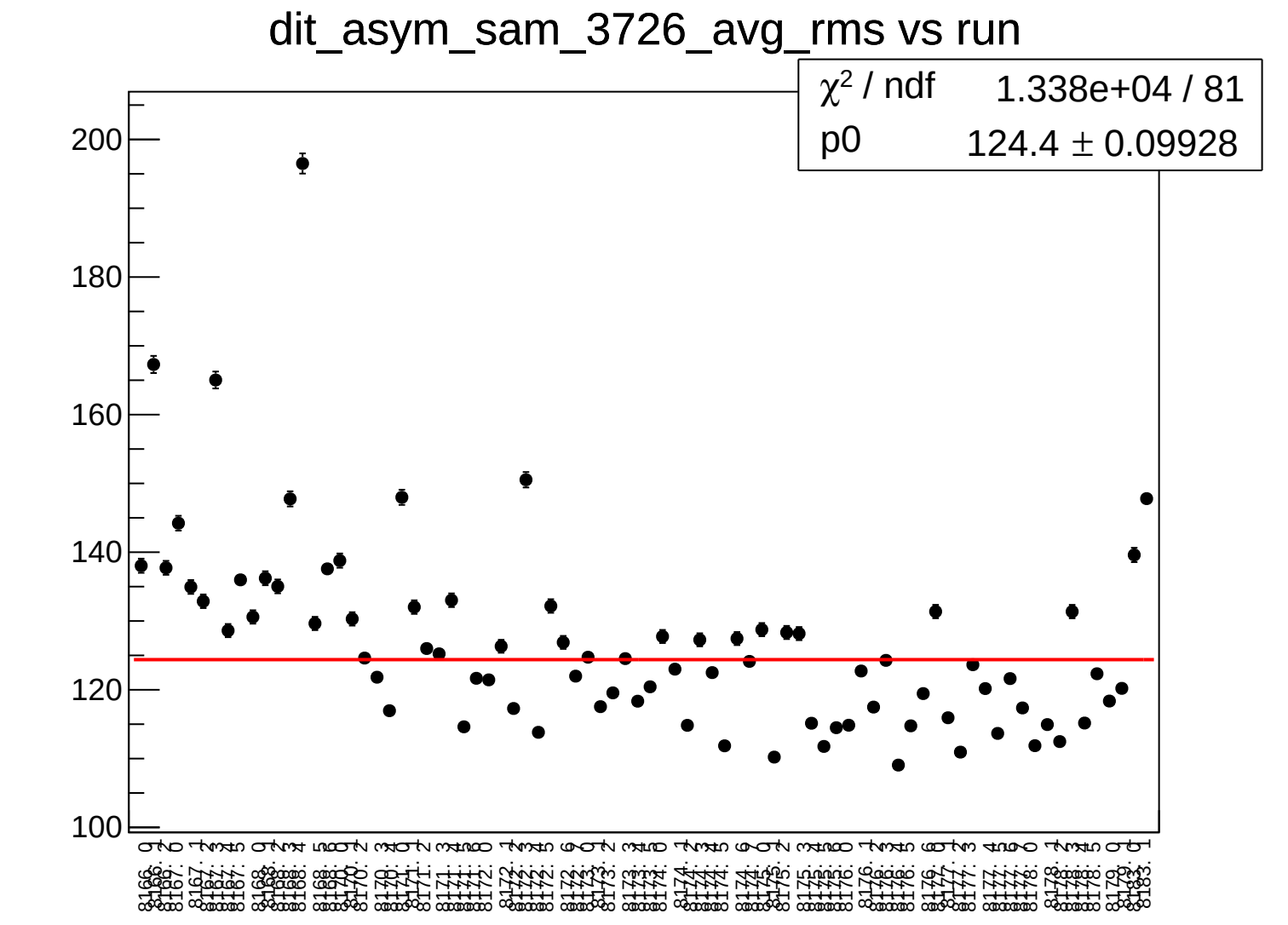

eigen_cor_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.341e+04 / 81
p0 117.8 ± 0.09401
200
180
160
140
120
100

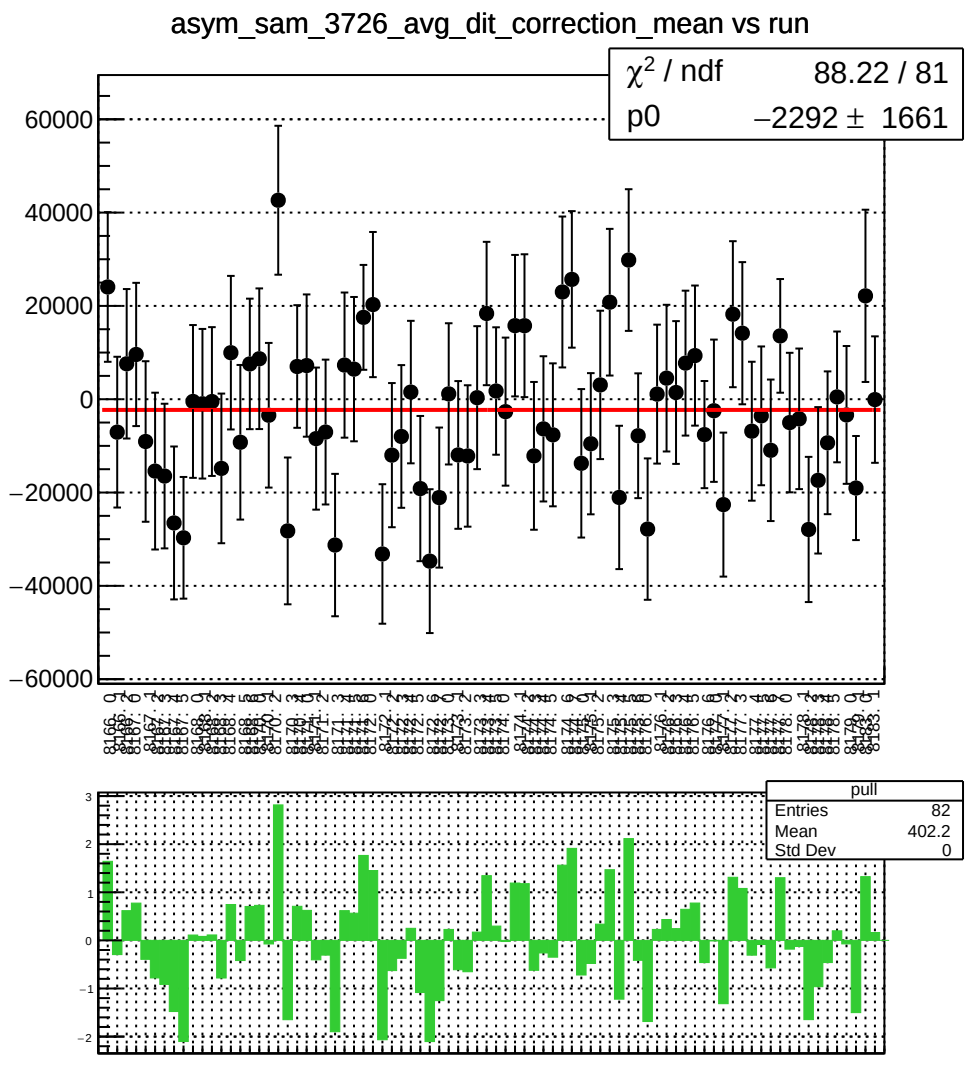

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 89.03 / 81
p0 −2290 ± 1663
pull
Entries 82
Mean 322.9
Std Dev 0
pull1D
Entries 82
Mean 0.001631
Std Dev 1.042

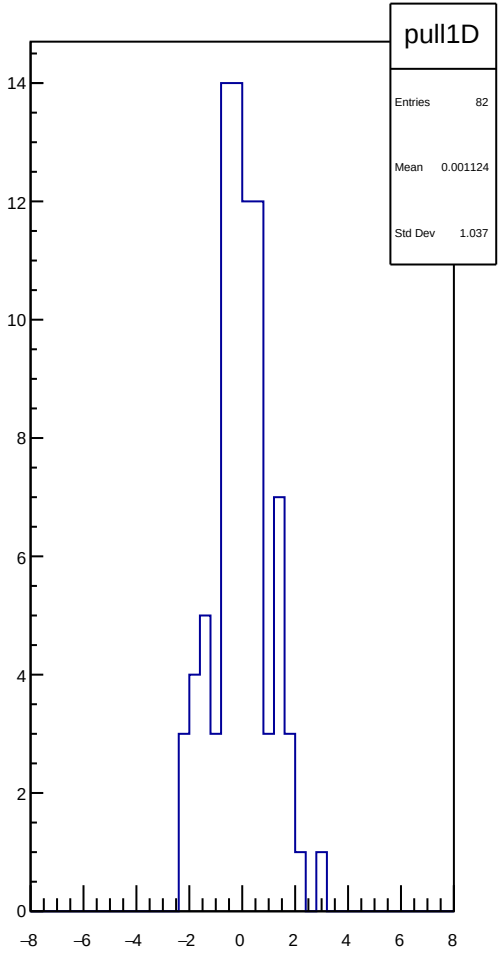

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 2851 / 81
p0 1478 ± 1.176
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

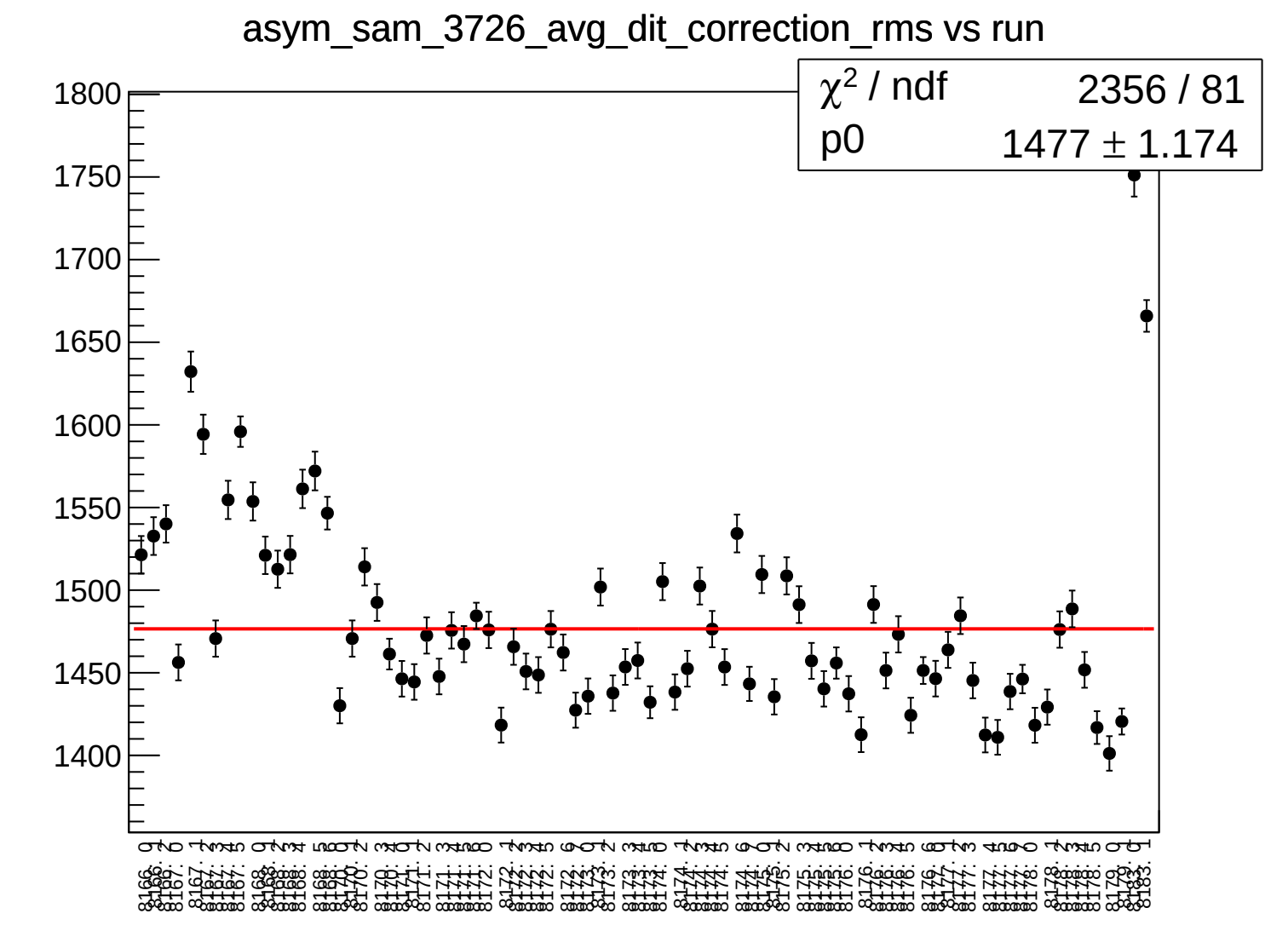

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.6 / 81
p0 −160.7 ± 140.4
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −222
Std Dev 0
3
2
1
0
−1
−2

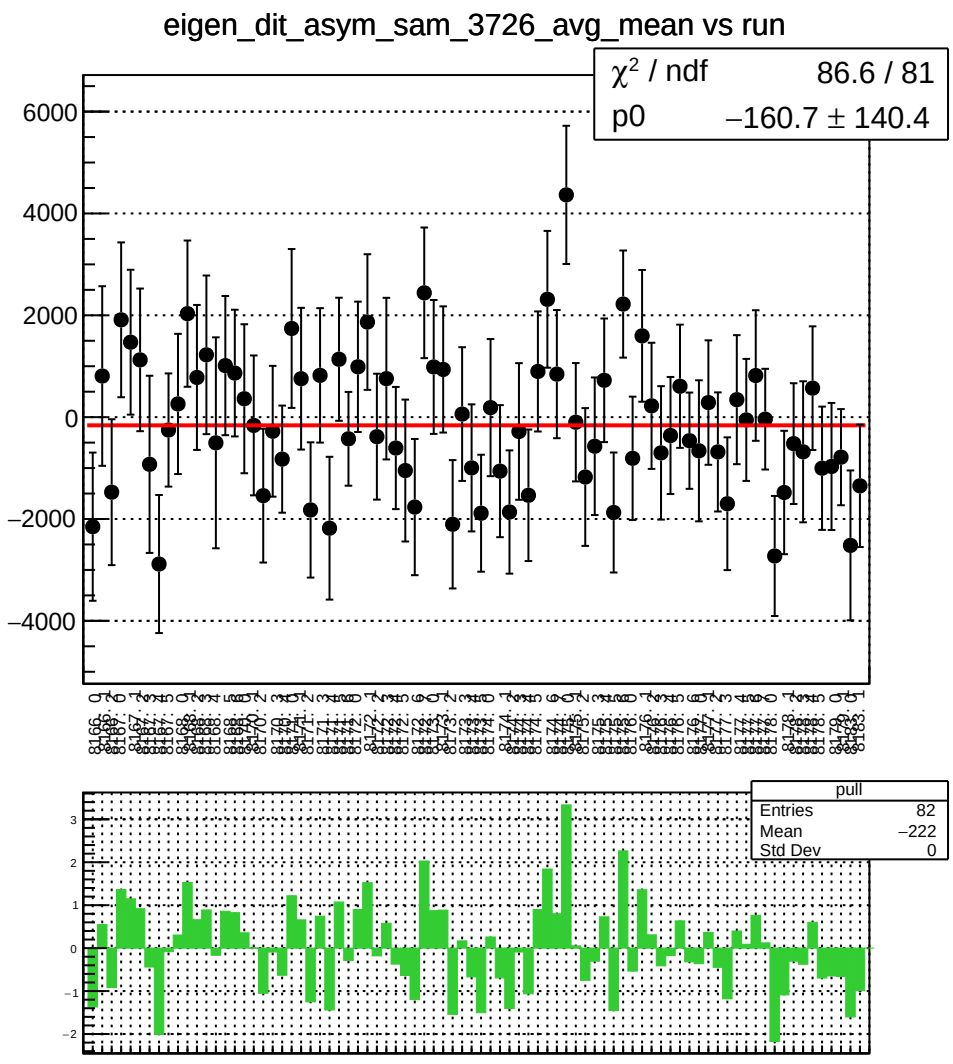

pull1D
Entries 82
Mean 0.01589
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

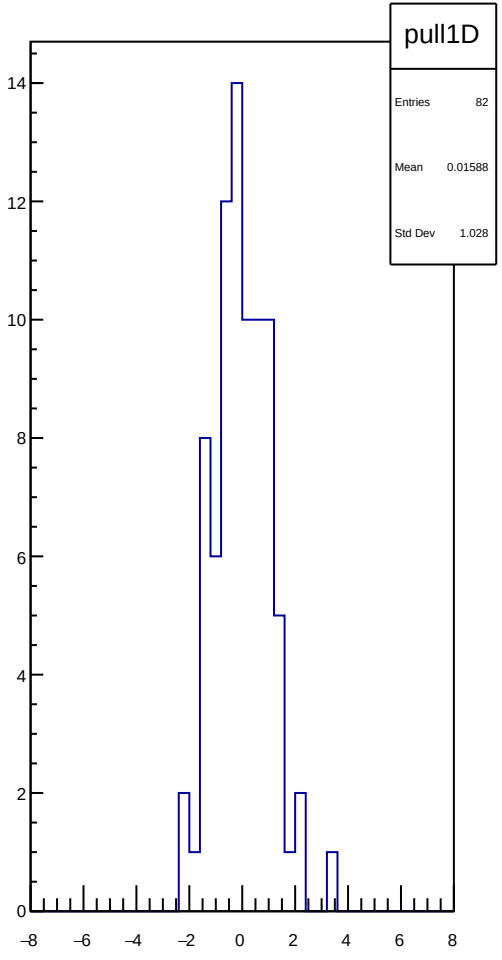

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.338e+04 / 81
p0 124.4 ± 0.09928
200
180
160
140
120
100

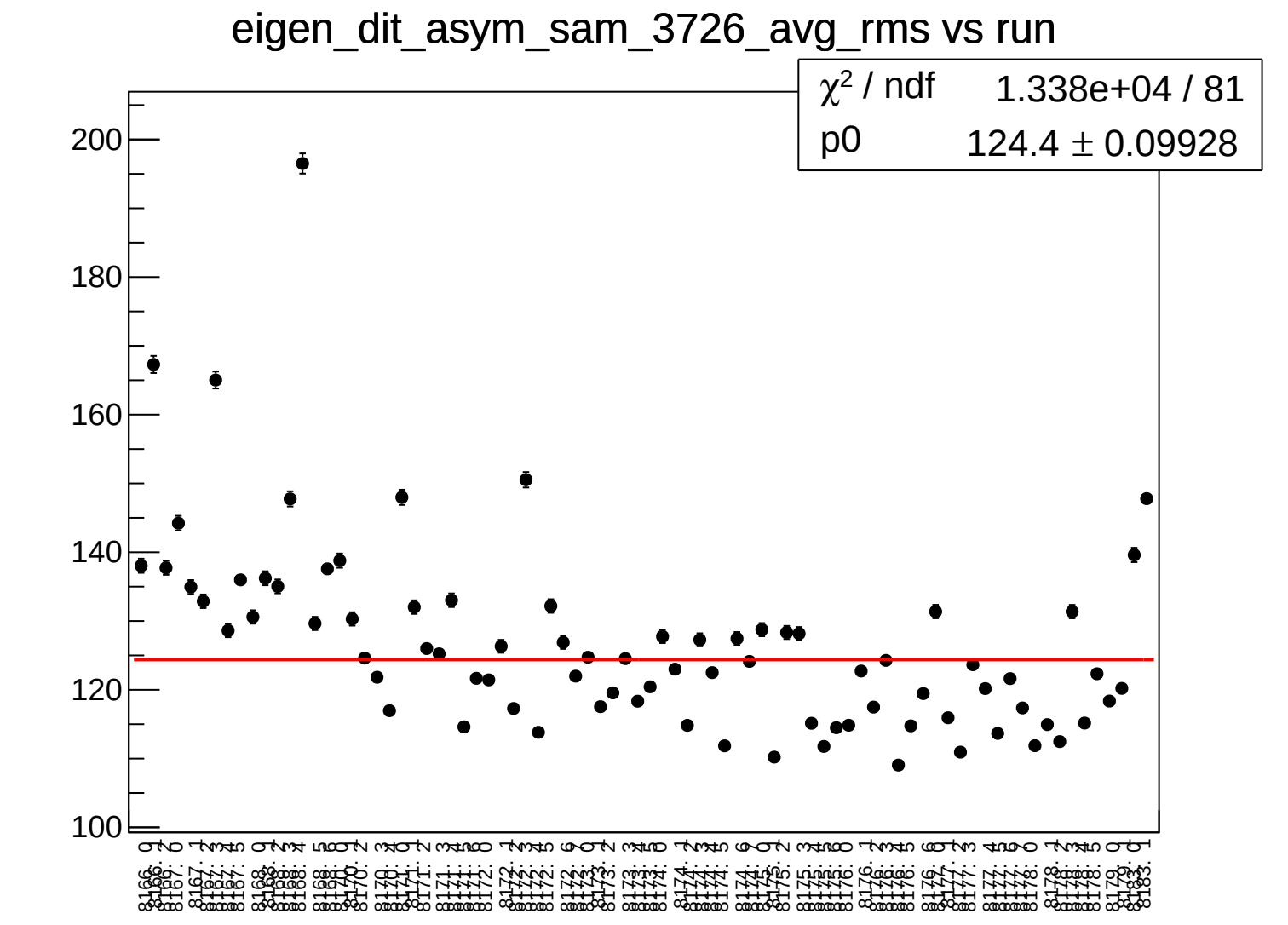

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 88.22 / 81
p0 −2292 ± 1661
pull
Entries 82
Mean 402.2
Std Dev 0

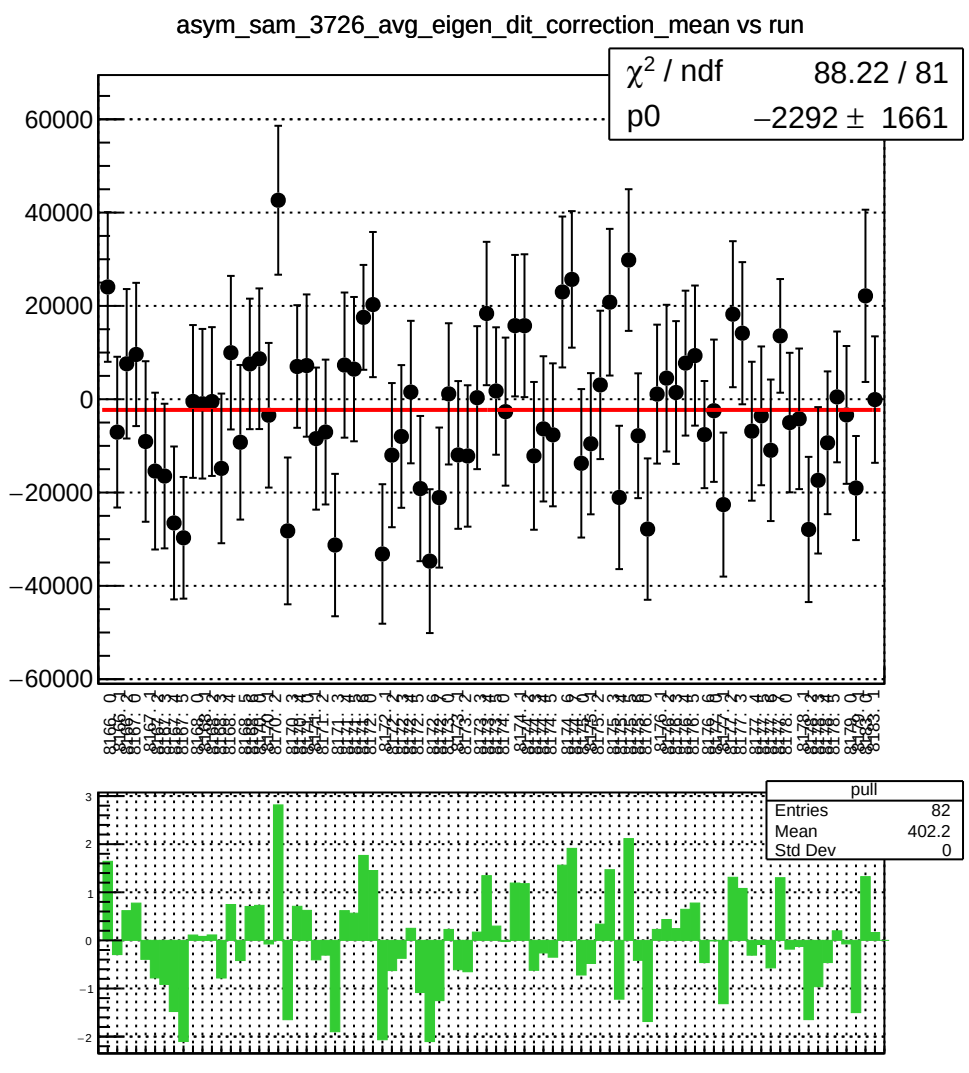

pull1D
Entries 82
Mean 0.001124
Std Dev 1.037

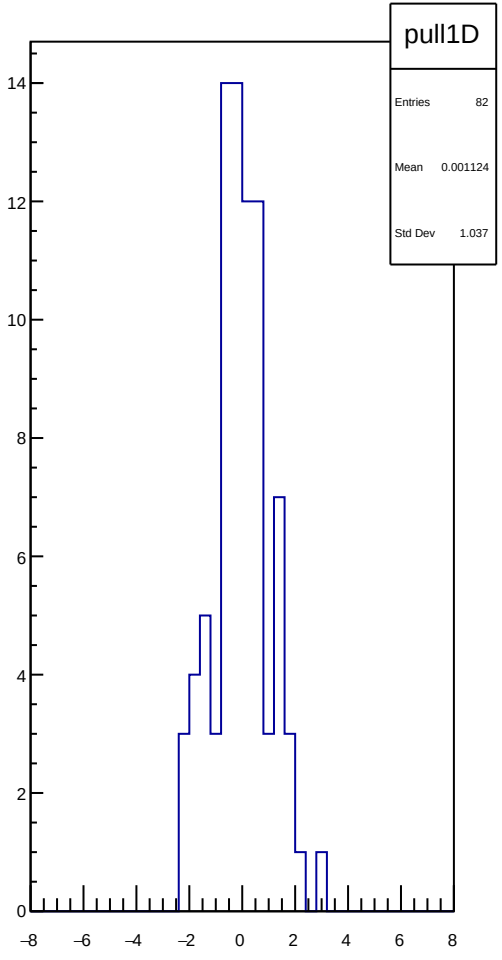

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 2356 / 81
p0 1477 ± 1.174
1800
1750
1700
1650
1600
1550
1500
1450
1400

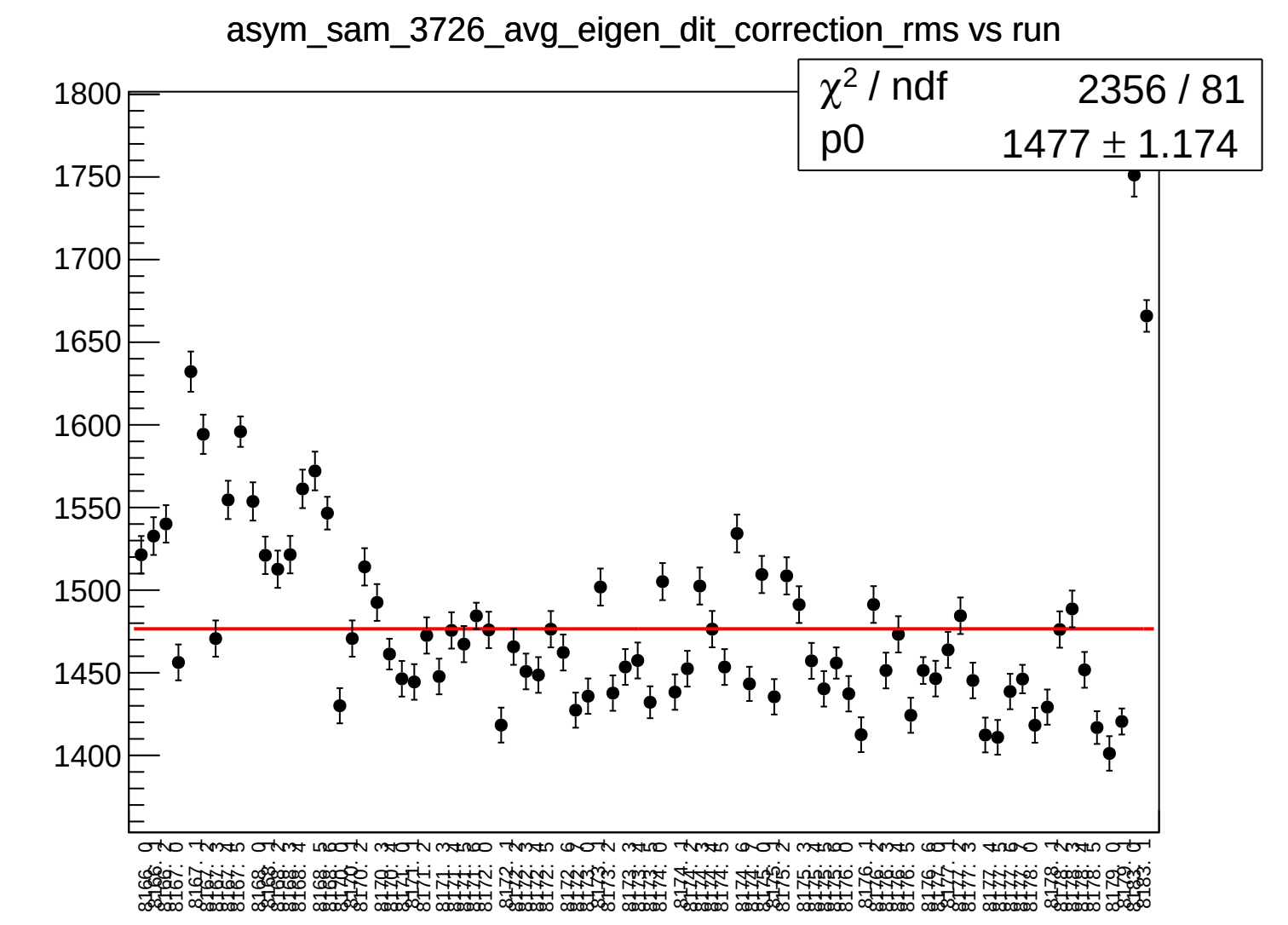

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.6 / 81
p0 −160.7 ± 140.4
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −222
Std Dev 0
3
2
1
0
−1
−2

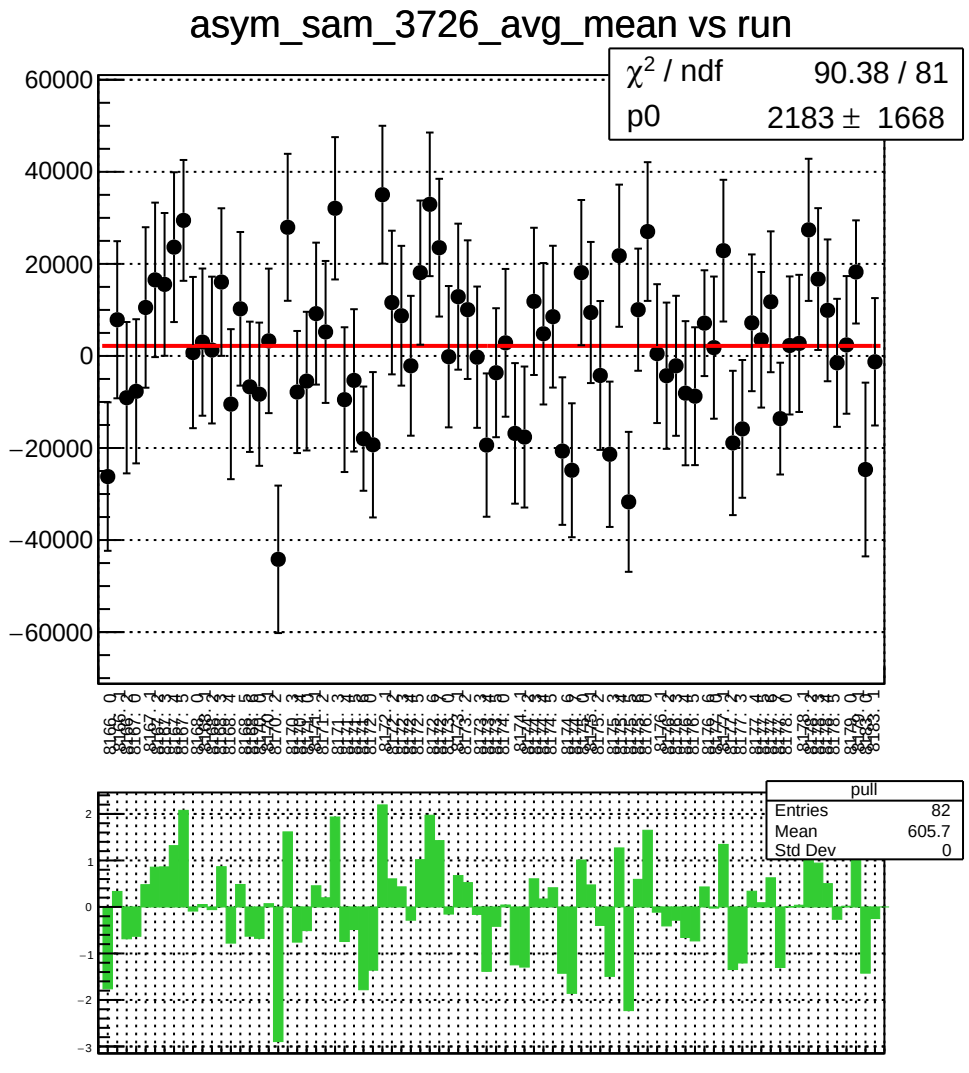

pull1D
Entries 82
Mean 0.01588
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

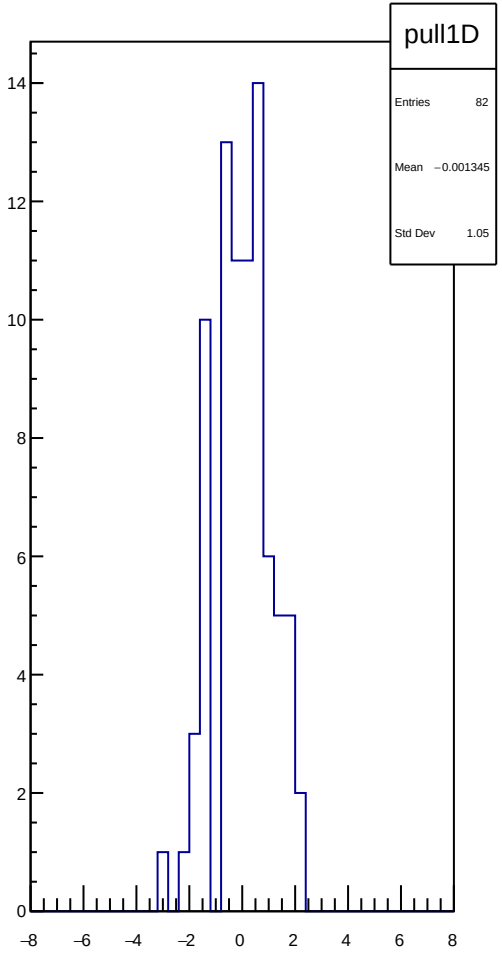

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.338e+04 / 81
p0 124.4 ± 0.09928
200
180
160
140
120
100

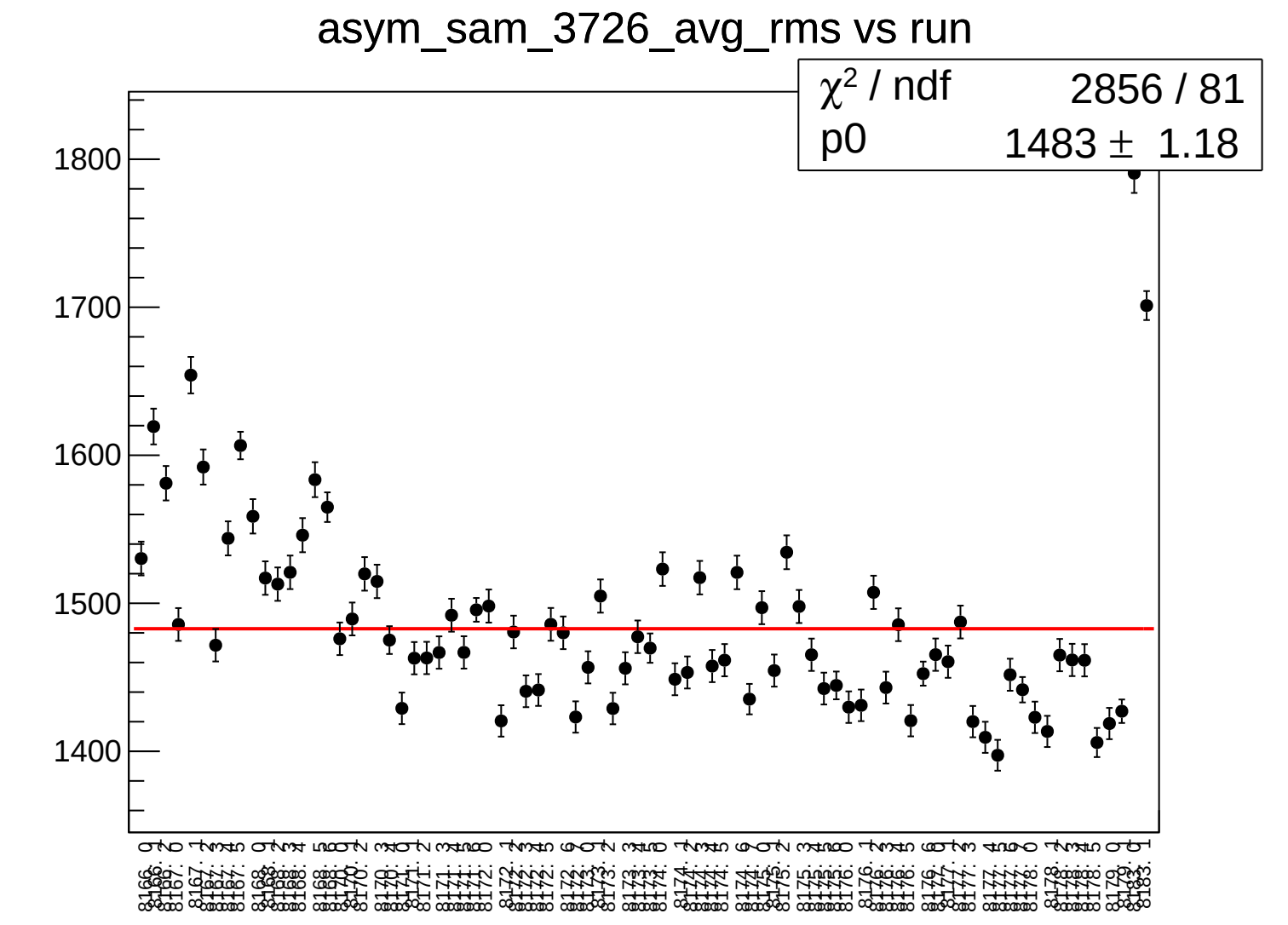

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 88.22 / 81
p0 −2292 ± 1661
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 402.2
Std Dev 0
3
2
1
0
−1
−2

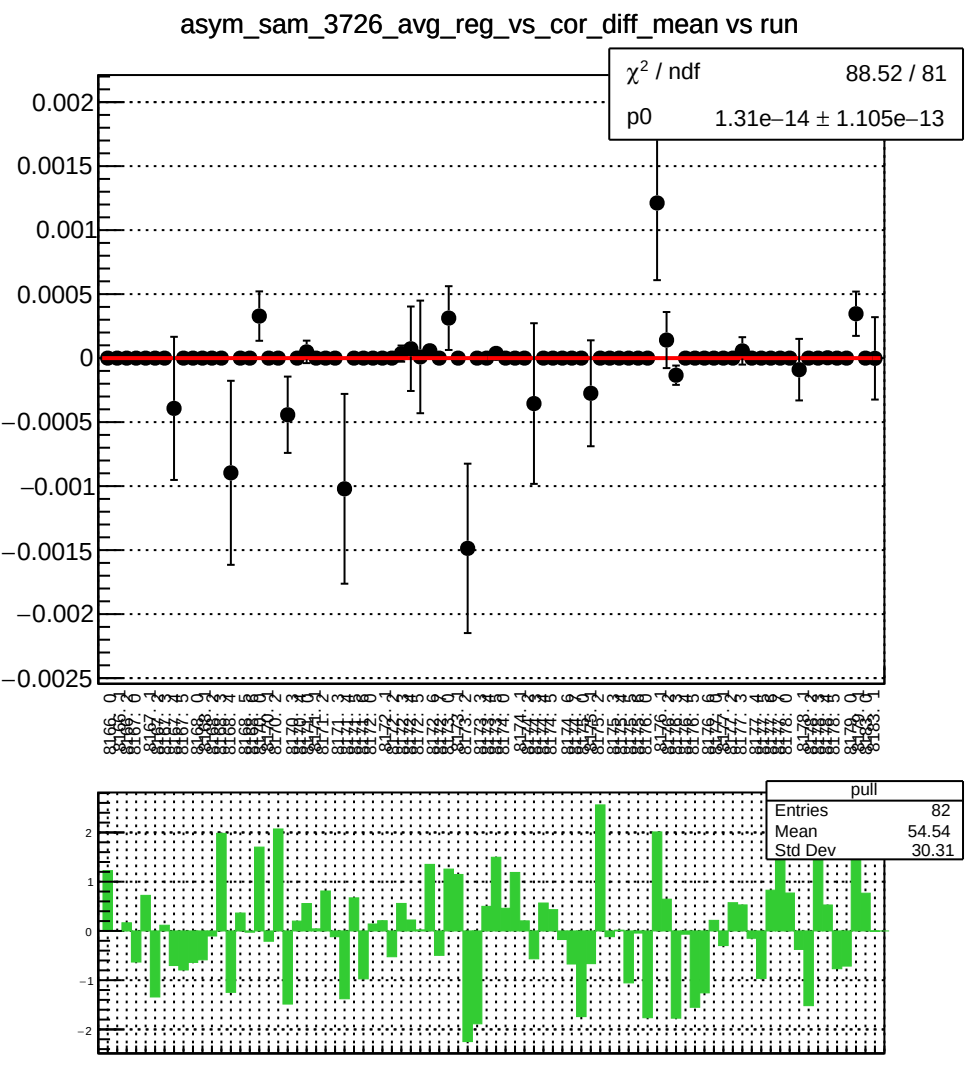

pull1D
Entries 82
Mean 0.001124
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

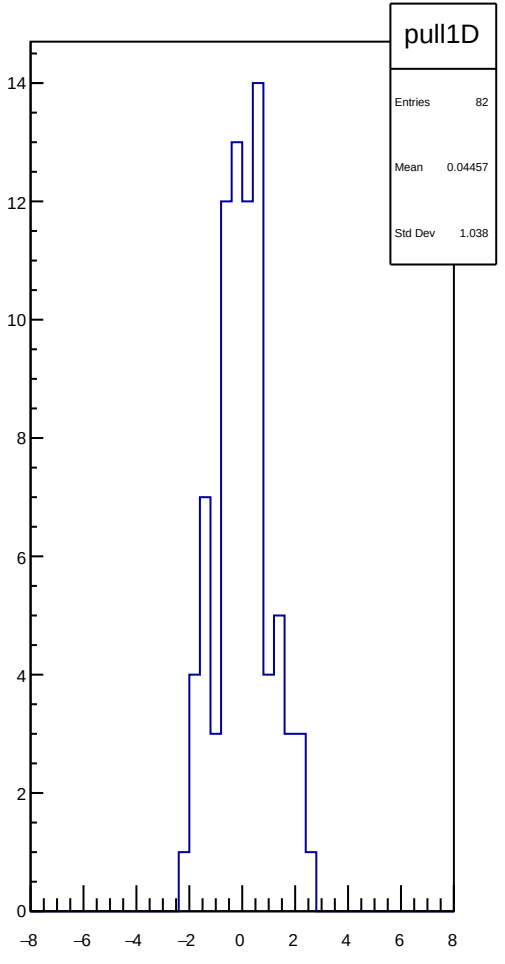

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 2356 / 81
p0 1477 ± 1.174
1800
1750
1700
1650
1600
1550
1500
1450
1400

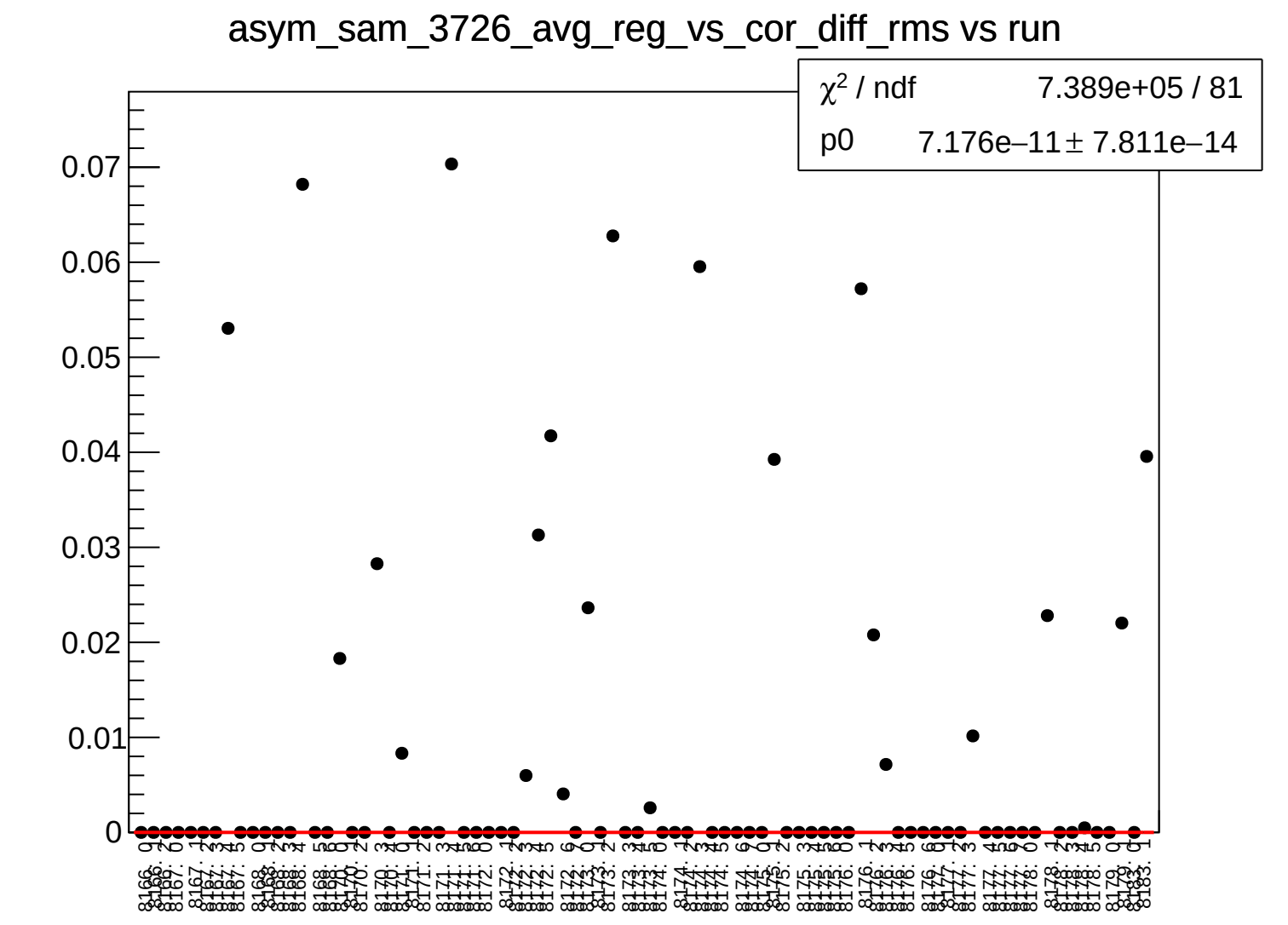

asym_sam_3726_avg_mean vs run
χ² / ndf 90.38 / 81
p0 2183 ± 1668
pull
Entries 82
Mean 605.7
Std Dev 0

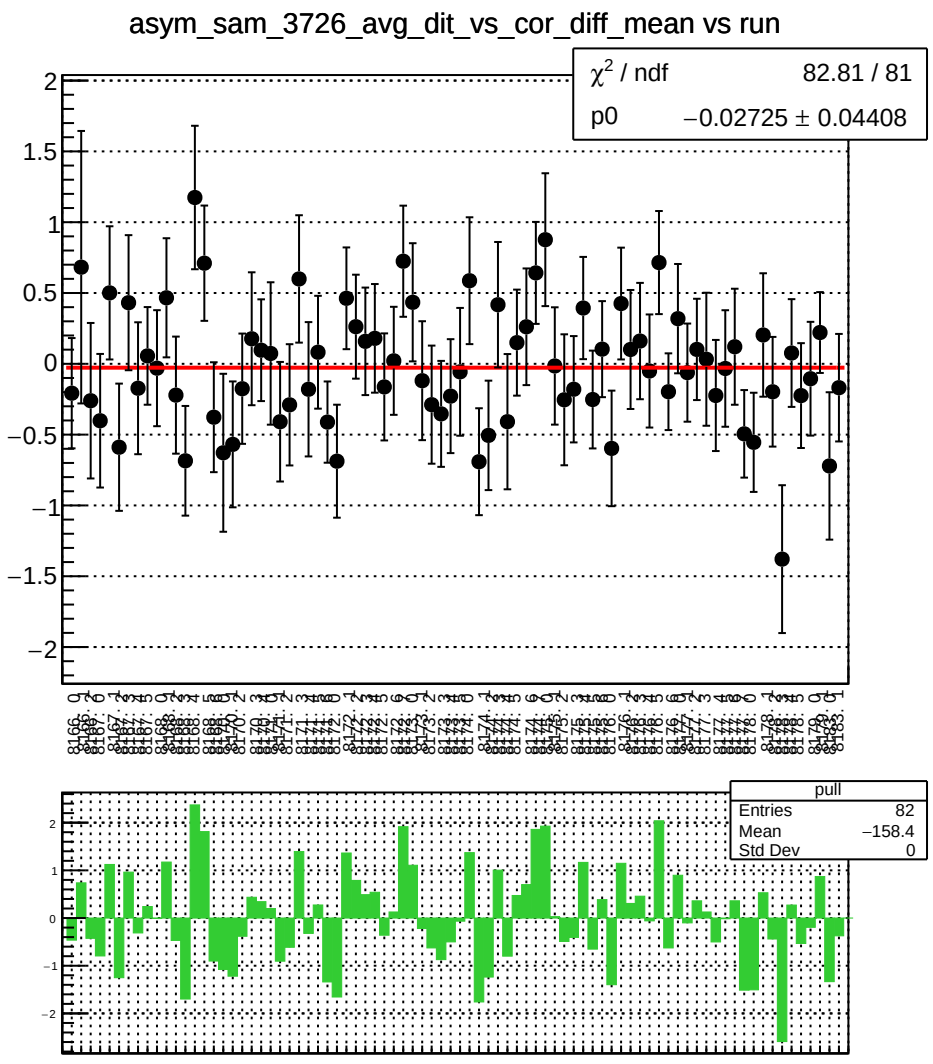

pull1D
Entries 82
Mean −0.001345
Std Dev 1.05

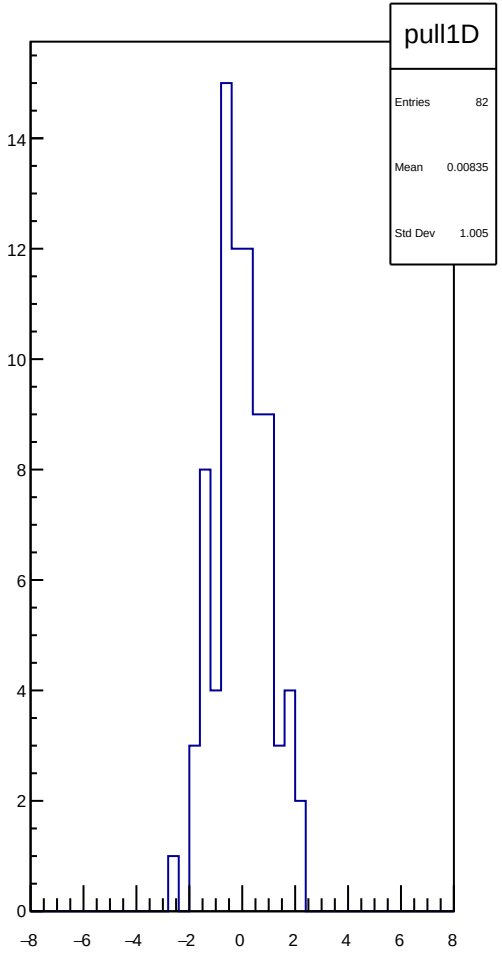

asym_sam_3726_avg_rms vs run
χ² / ndf 2856 / 81
p0 1483 ± 1.18
1800
1700
1600
1500
1400

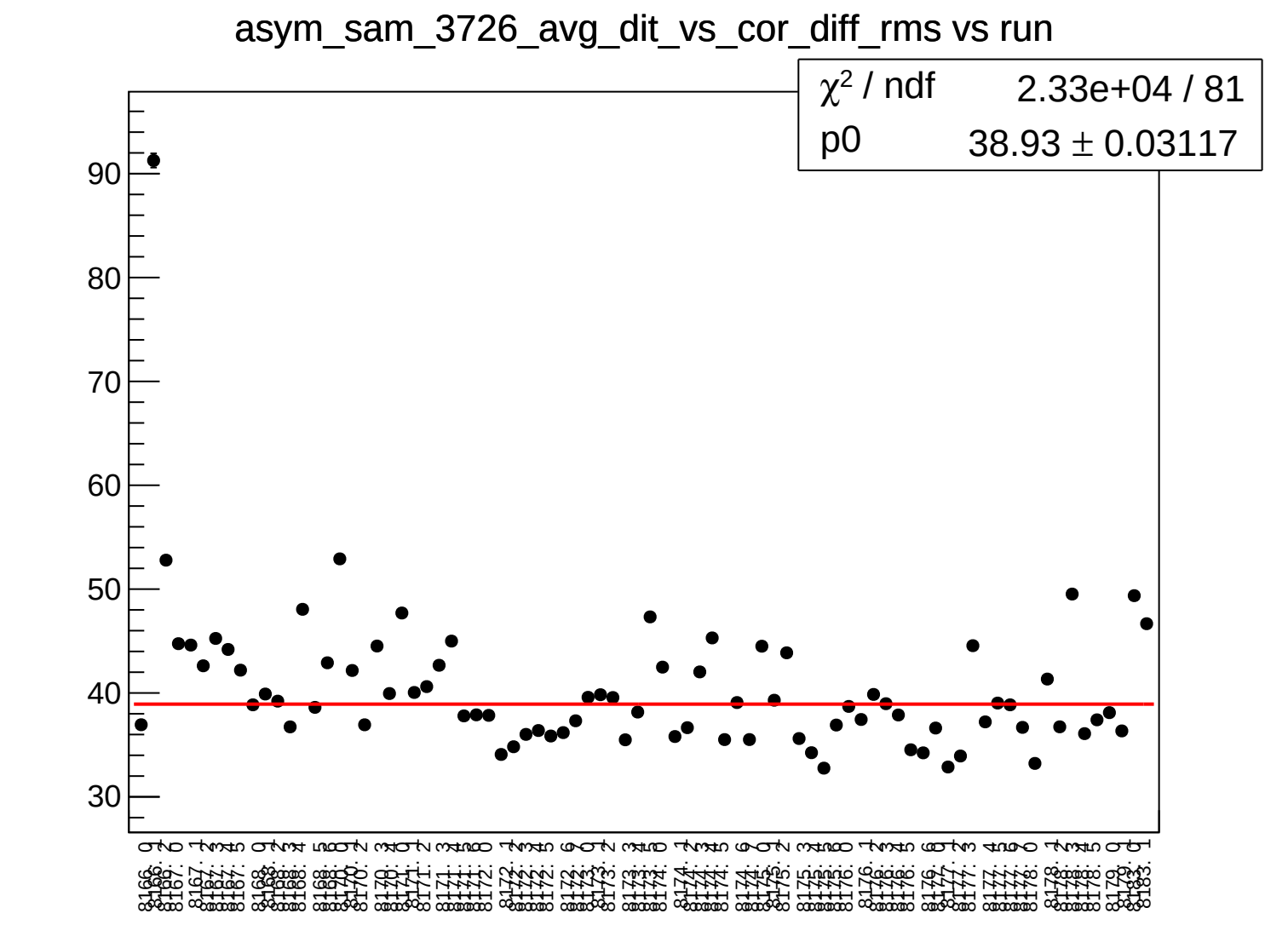

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.52 / 81
p0 1.31e−14 ± 1.105e−13
pull
Entries 82
Mean 54.54
Std Dev 30.31

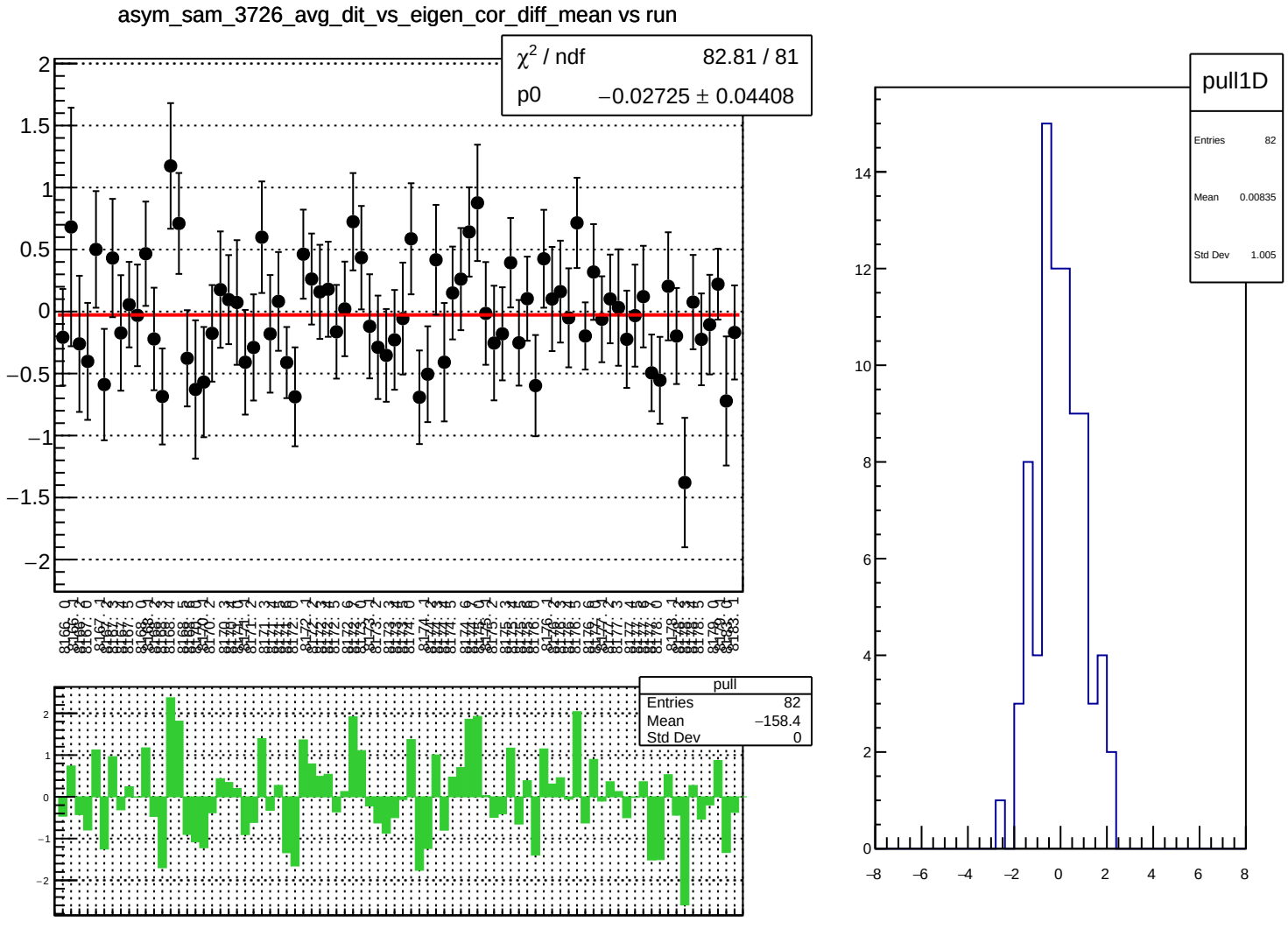

pull1D
Entries 82
Mean 0.04457
Std Dev 1.038

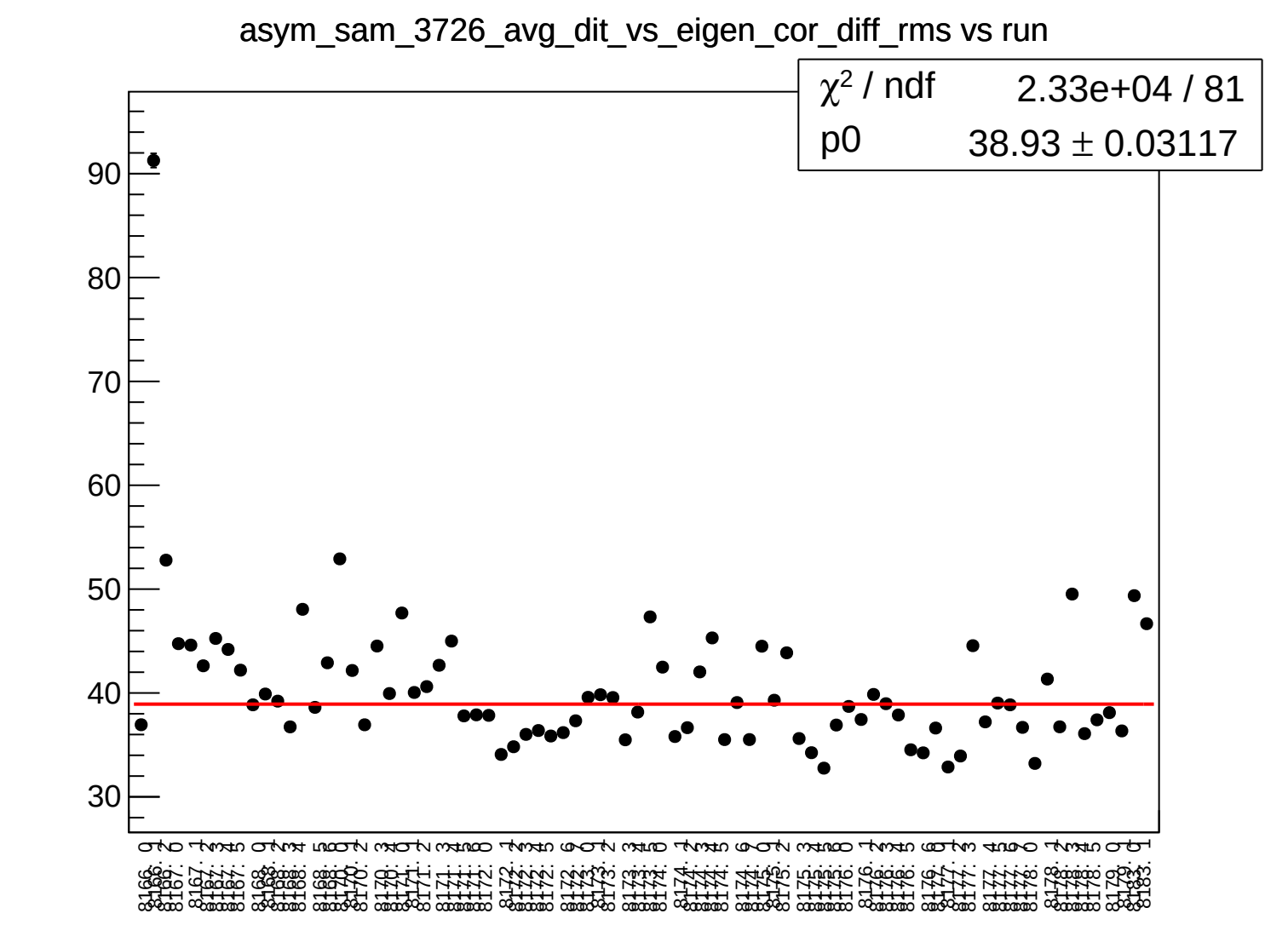

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.389e+05 / 81
p0 7.176e−11 ± 7.811e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

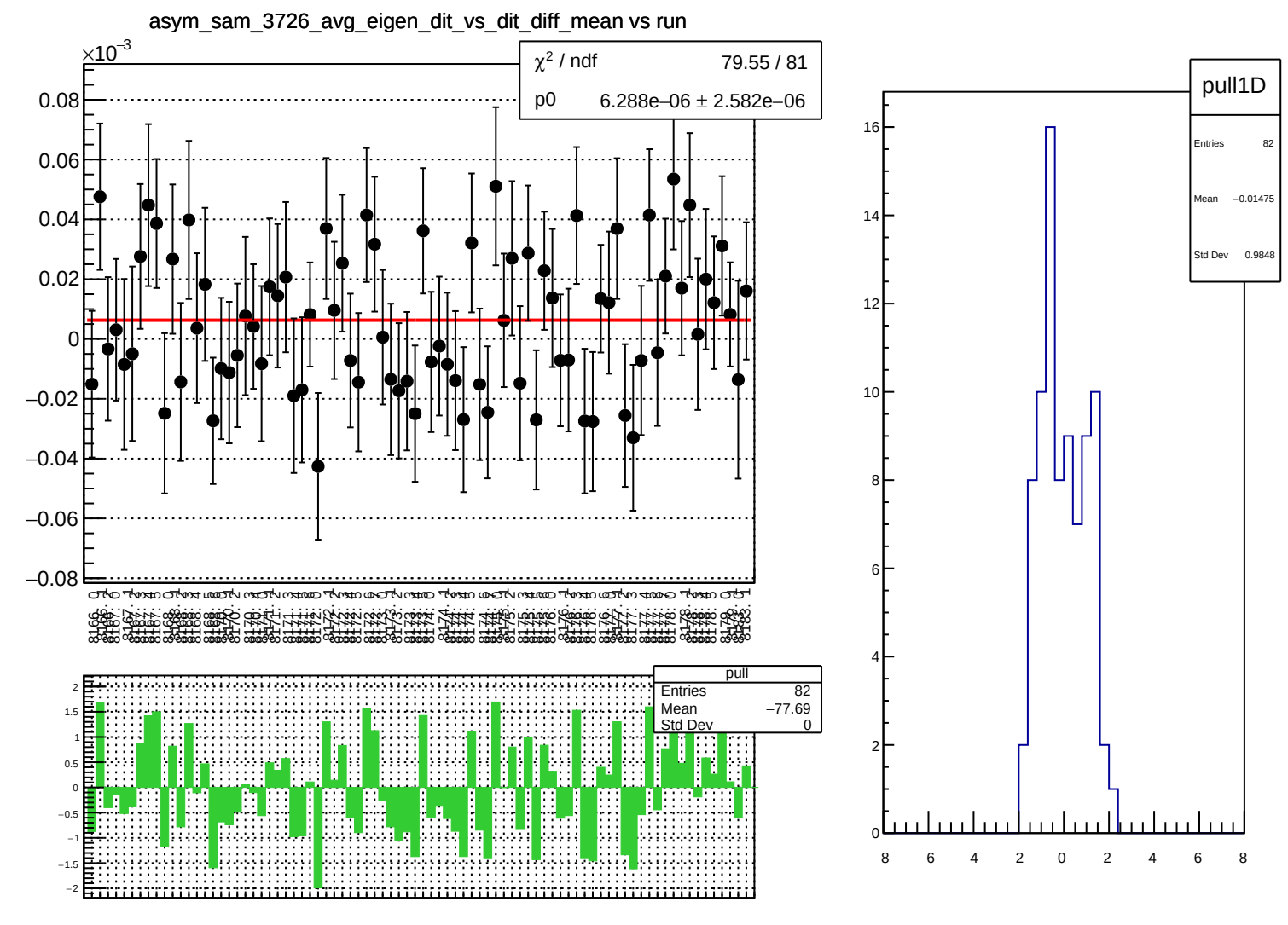

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 81
p0 −0.02725 ± 0.04408
pull
Entries 82
Mean −158.4
Std Dev 0

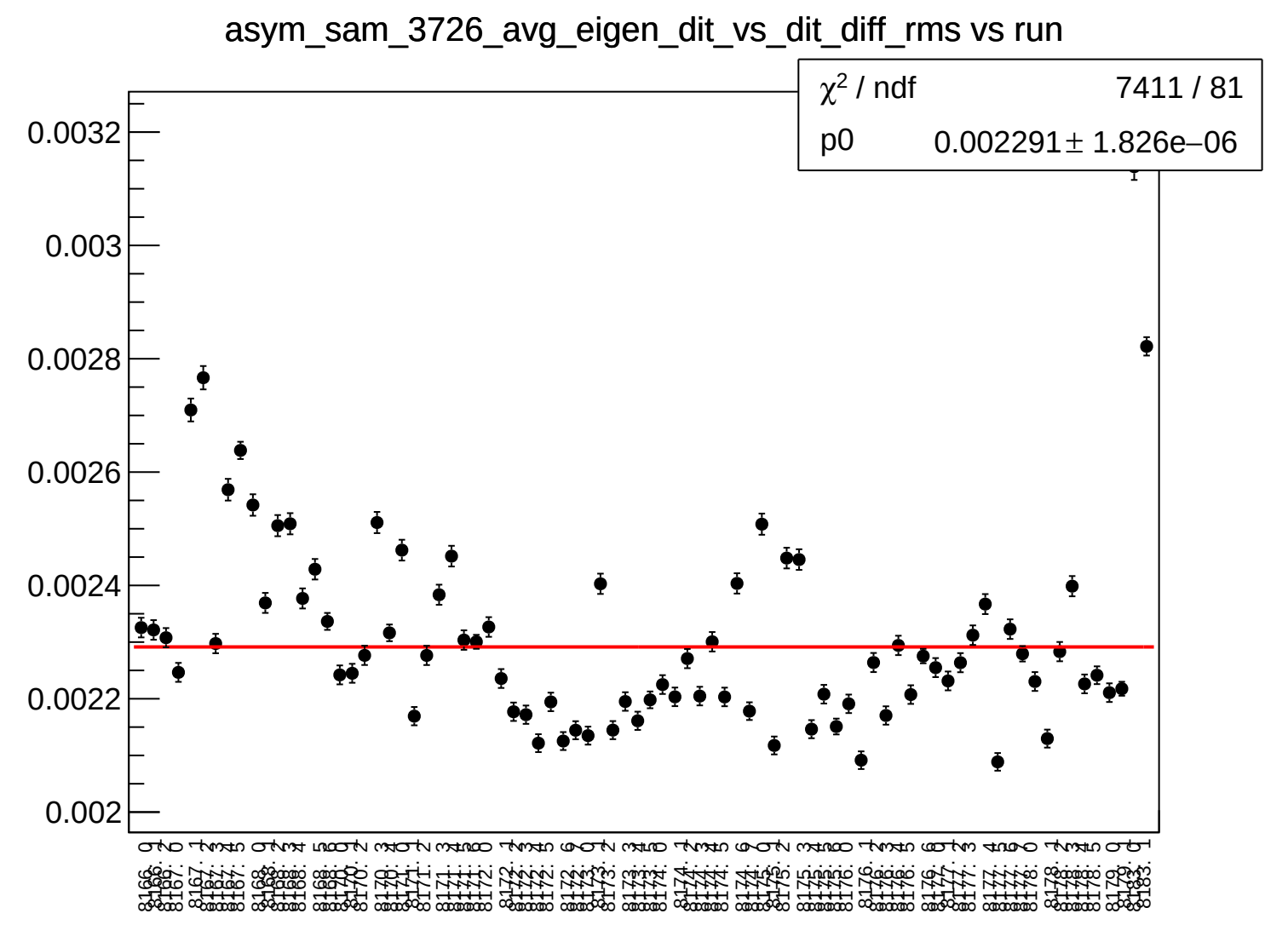

pull1D
Entries 82
Mean 0.00835
Std Dev 1.005

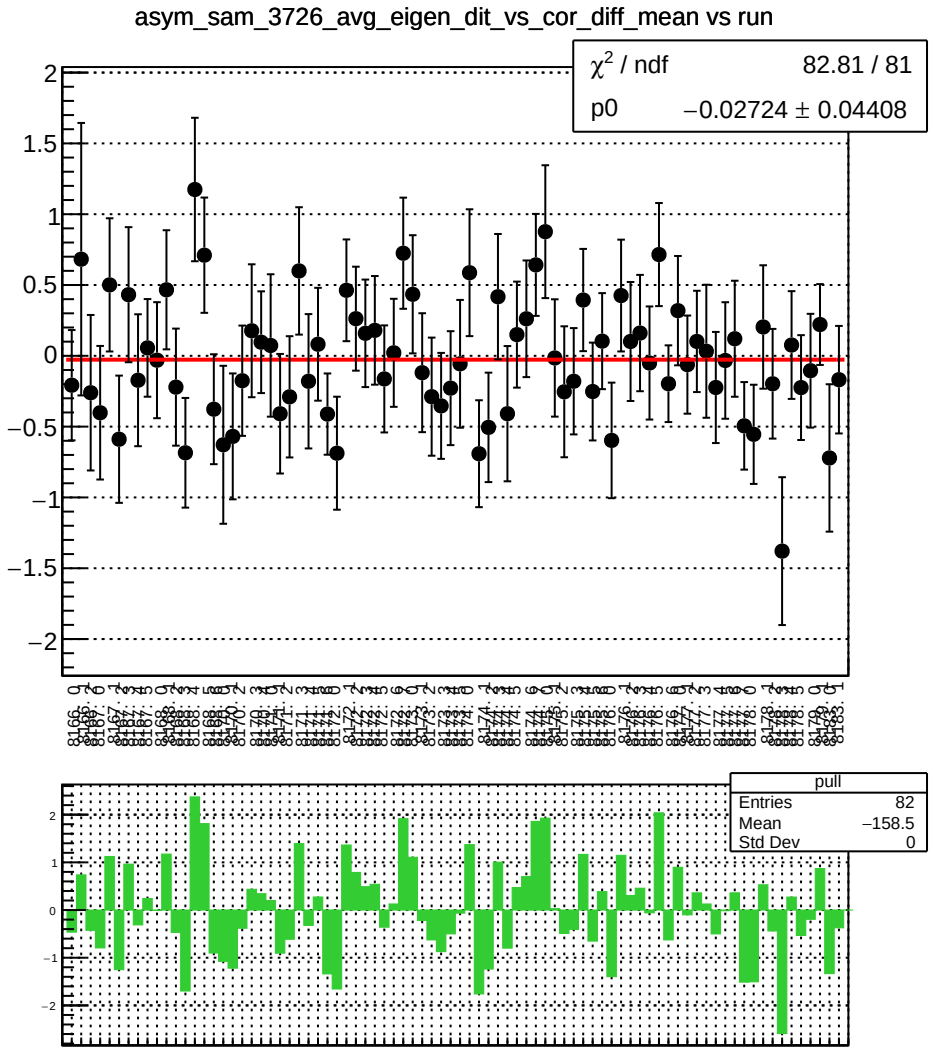

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.33e+04 / 81
p0 38.93 ± 0.03117
90
80
70
60
50
40
30

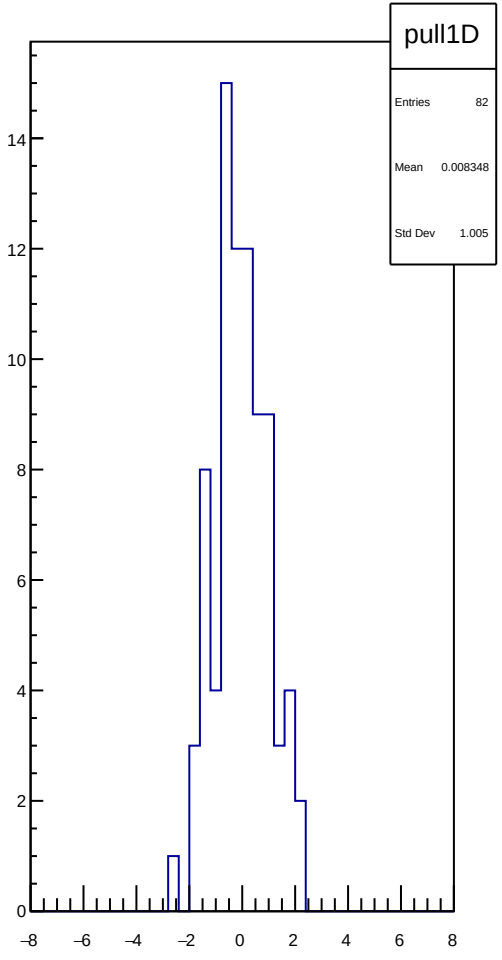

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.81 / 81
p0 −0.02725 ± 0.04408
pull
Entries 82
Mean −158.4
Std Dev 0
pull1D
Entries 82
Mean 0.00835
Std Dev 1.005

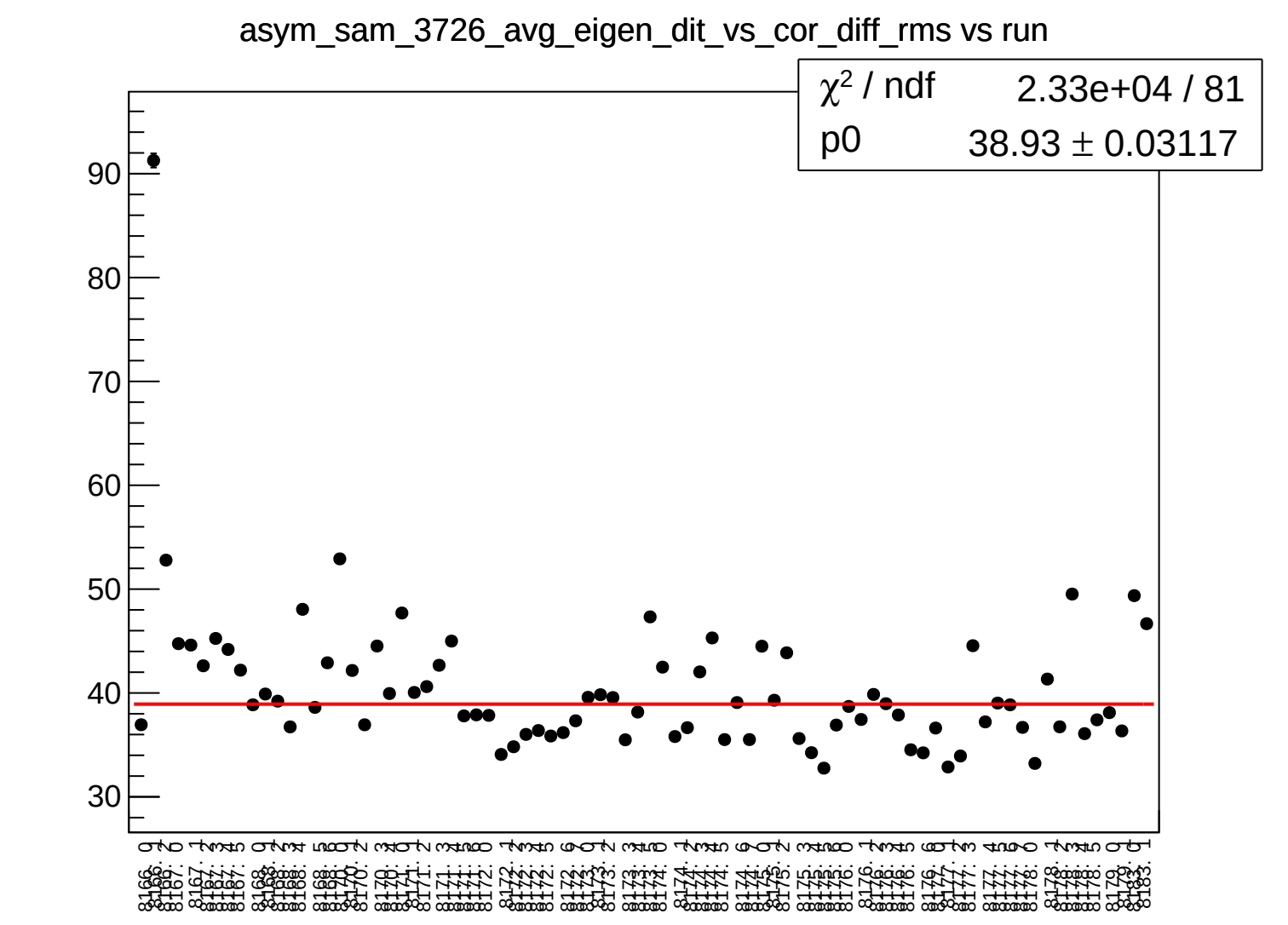

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.33e+04 / 81
p0 38.93 ± 0.03117
90
80
70
60
50
40
30

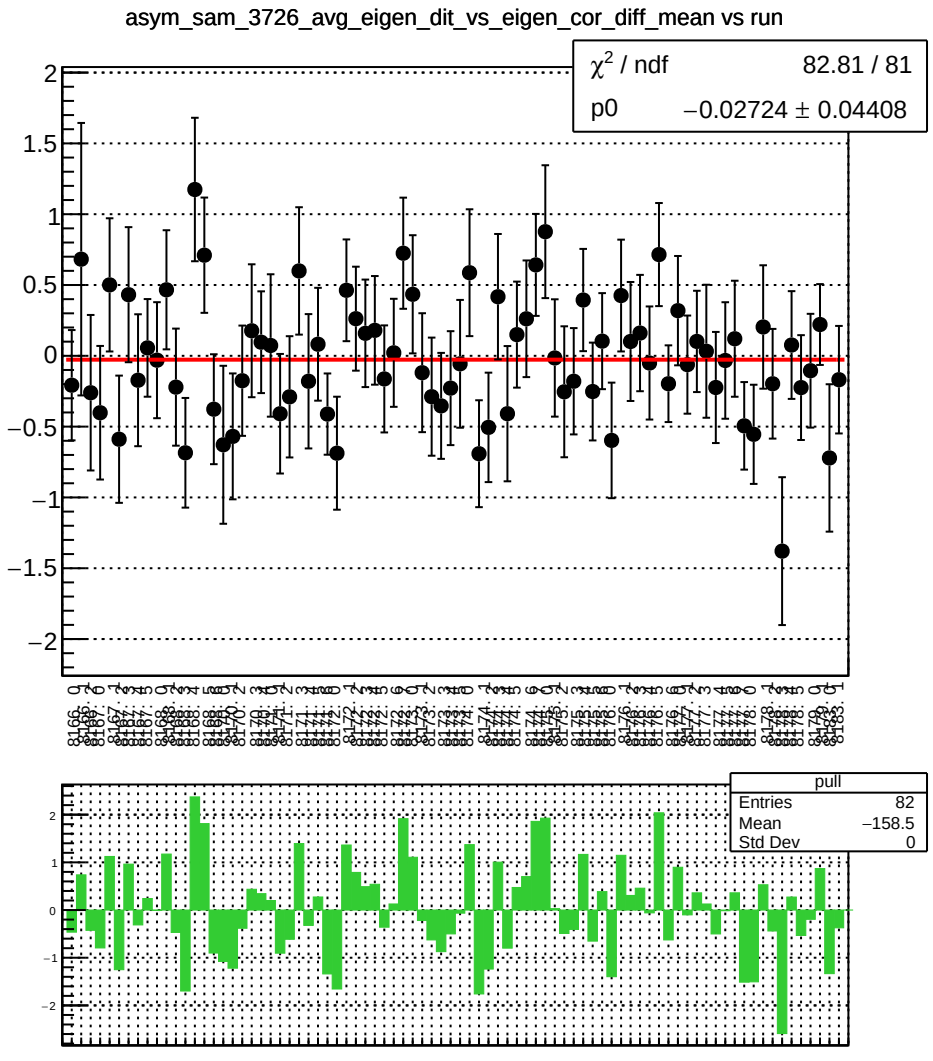

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.55 / 81
p0 6.288e−06 ± 2.582e−06
pull
Entries 82
Mean −77.69
Std Dev 0
pull1D
Entries 82
Mean −0.01475
Std Dev 0.9848

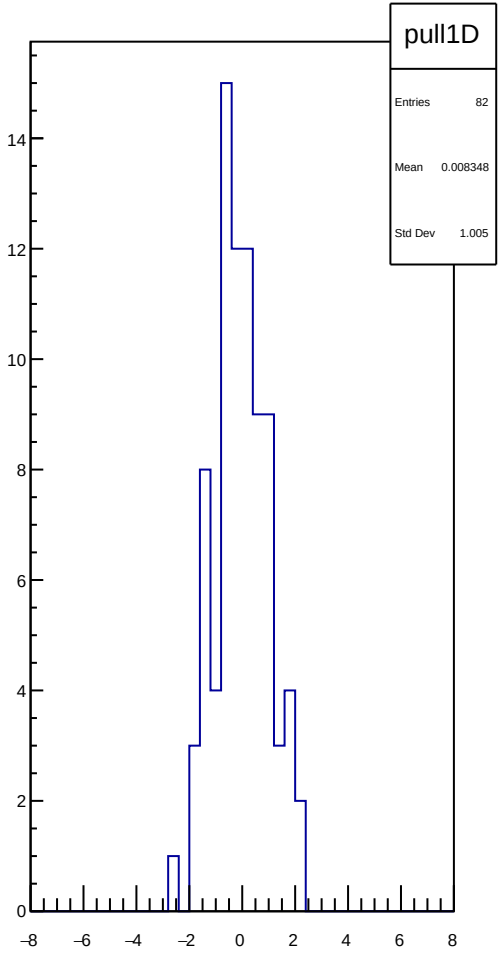

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7411 / 81
p0 0.002291 ± 1.826e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002

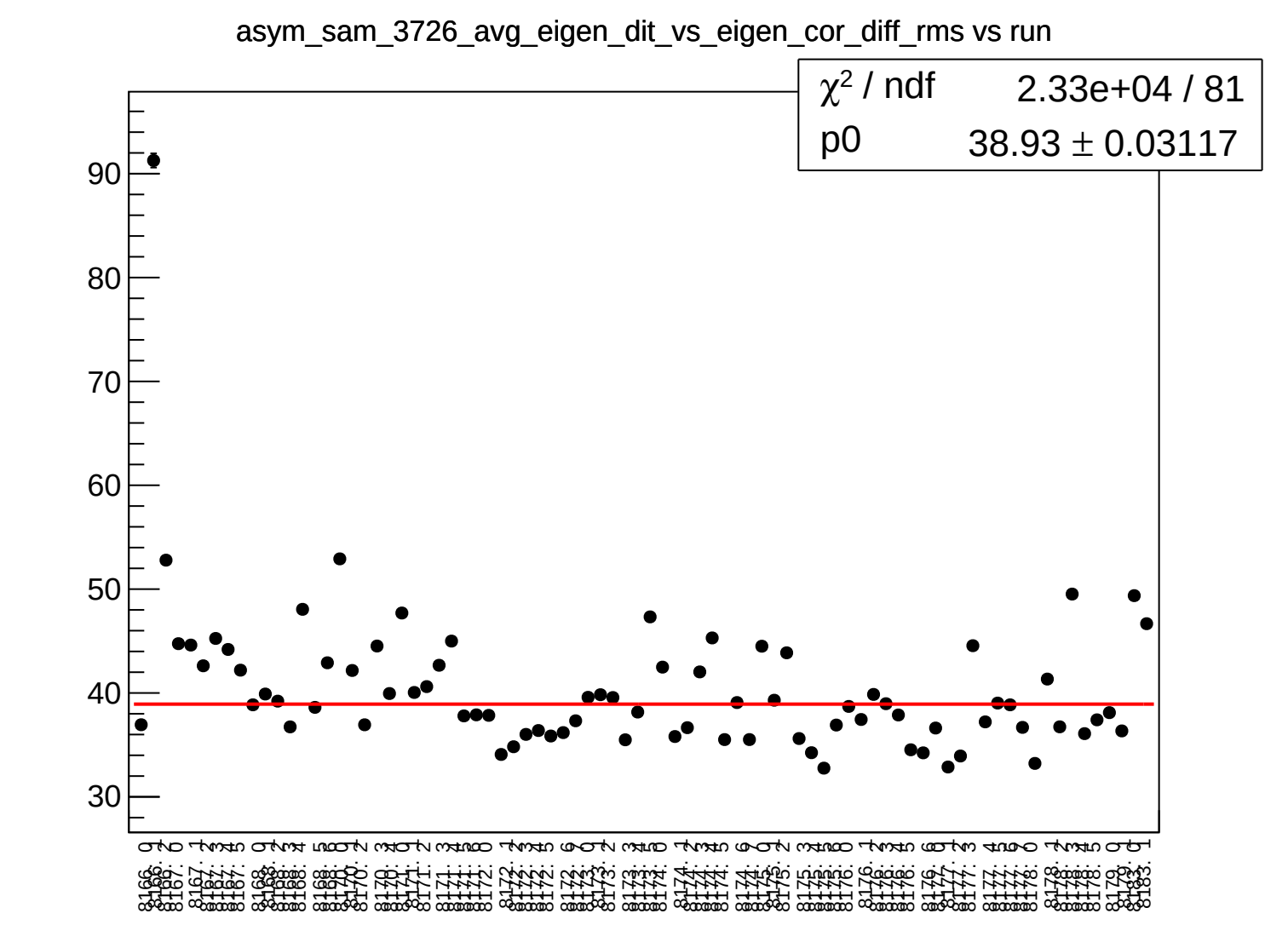

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 81
p0 −0.02724 ± 0.04408
pull
Entries 82
Mean −158.5
Std Dev 0

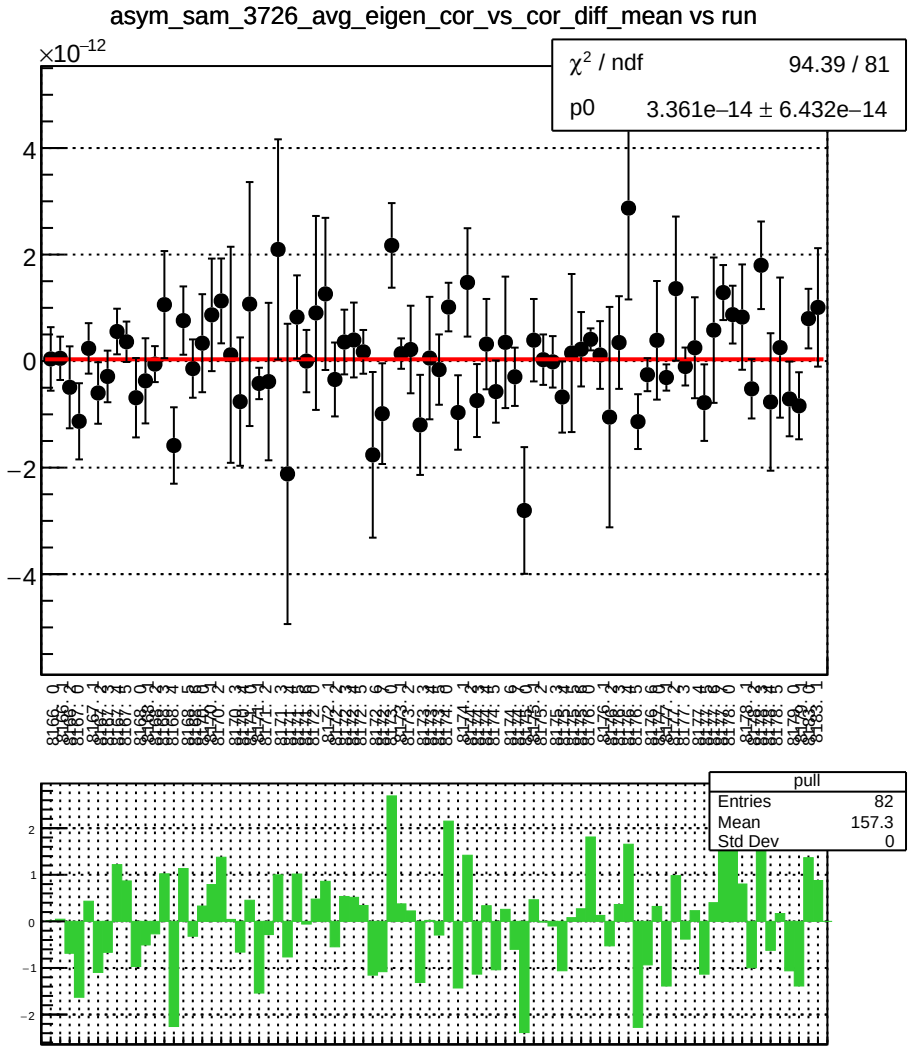

pull1D
Entries 82
Mean 0.008348
Std Dev 1.005

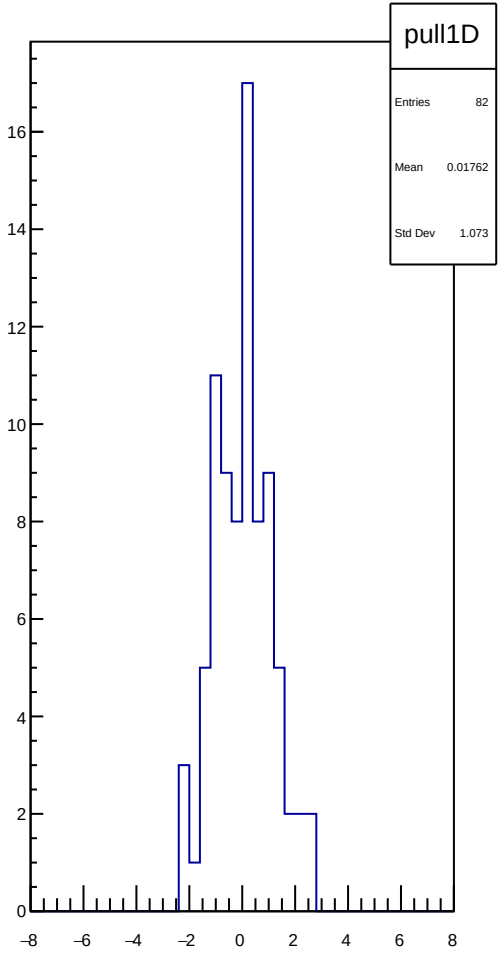

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.33e+04 / 81
p0 38.93 ± 0.03117
90
80
70
60
50
40
30

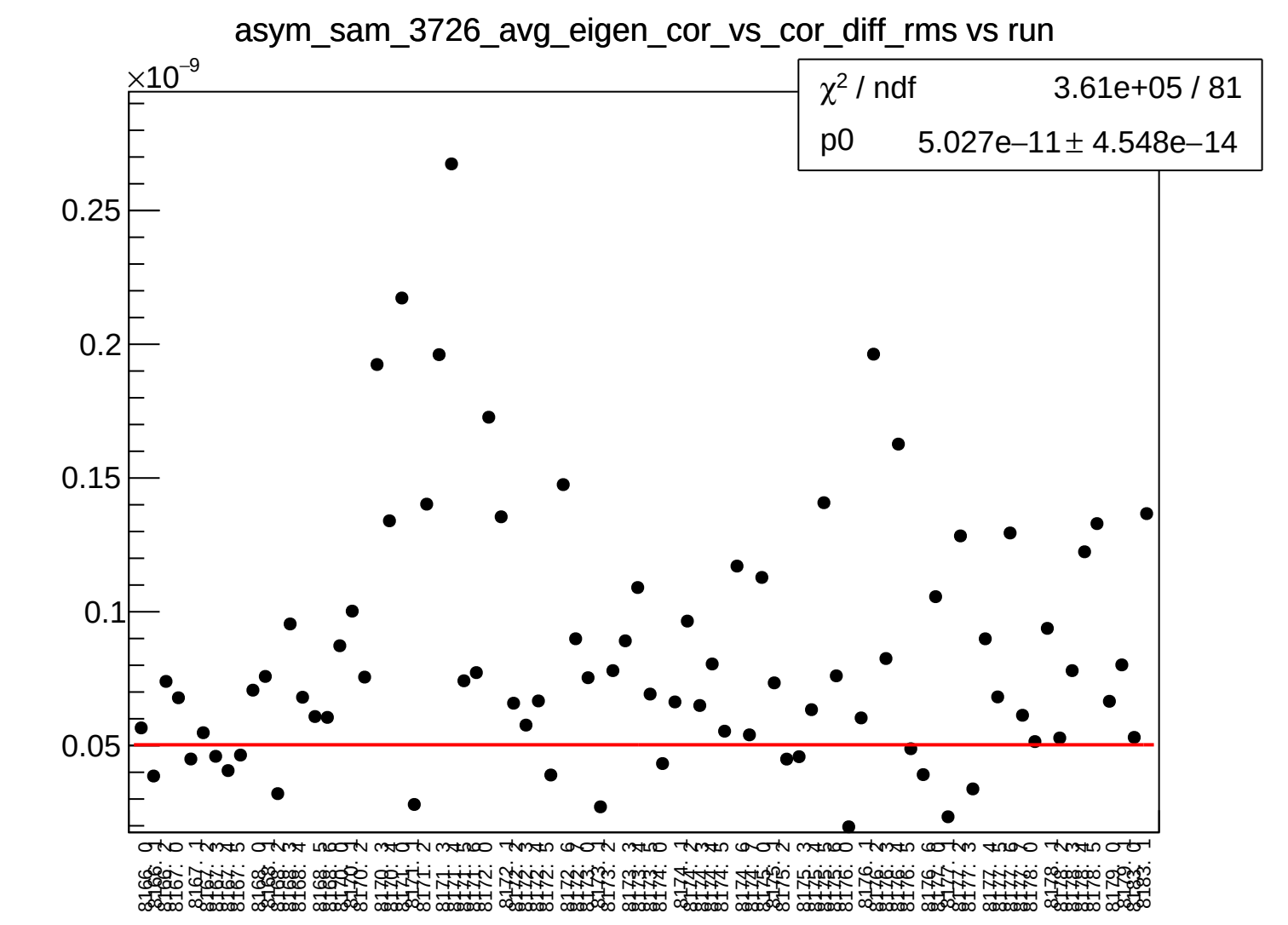

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.81 / 81
p0 −0.02724 ± 0.04408
pull
Entries 82
Mean −158.5
Std Dev 0

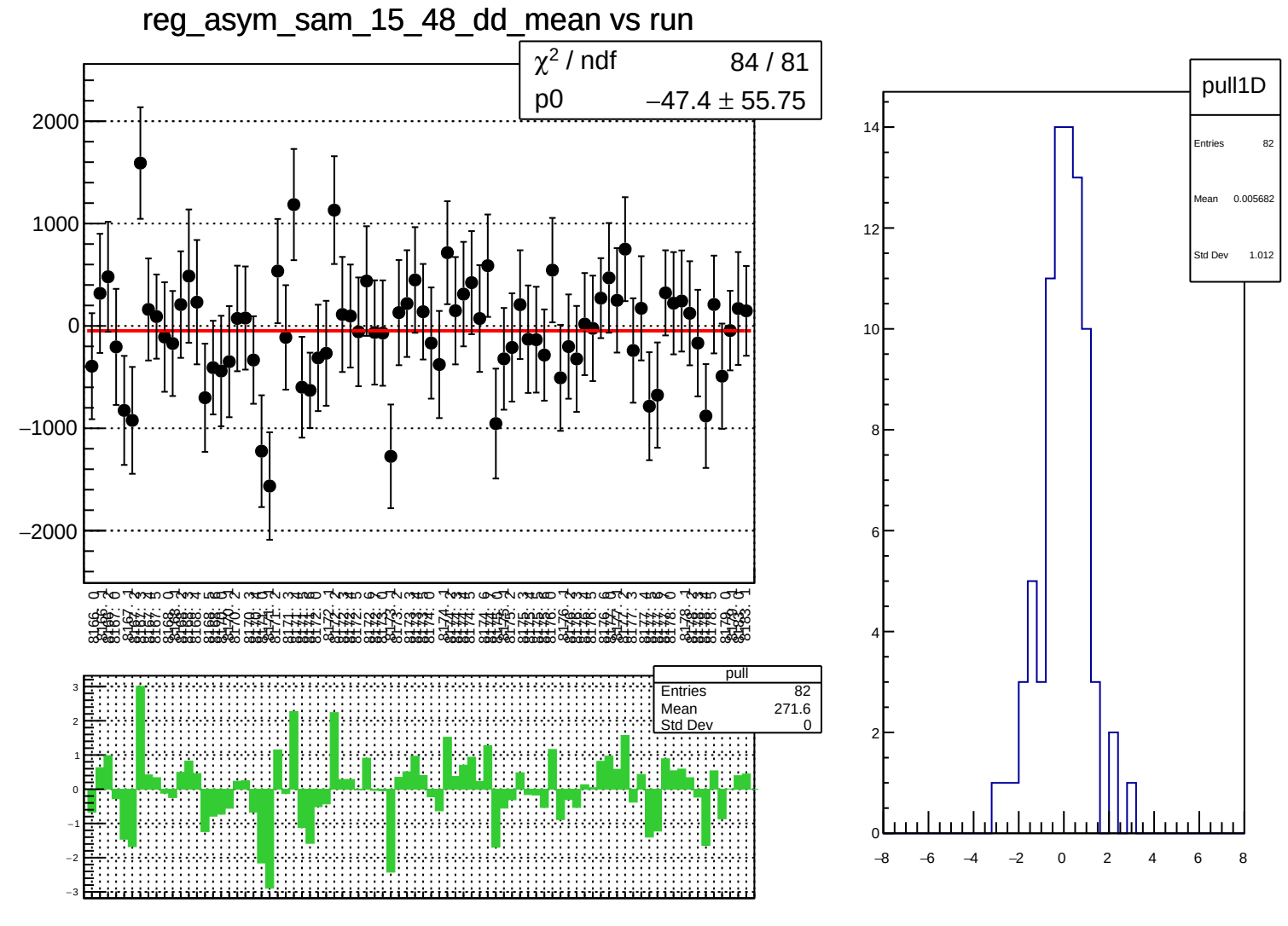

pull1D
Entries 82
Mean 0.008348
Std Dev 1.005

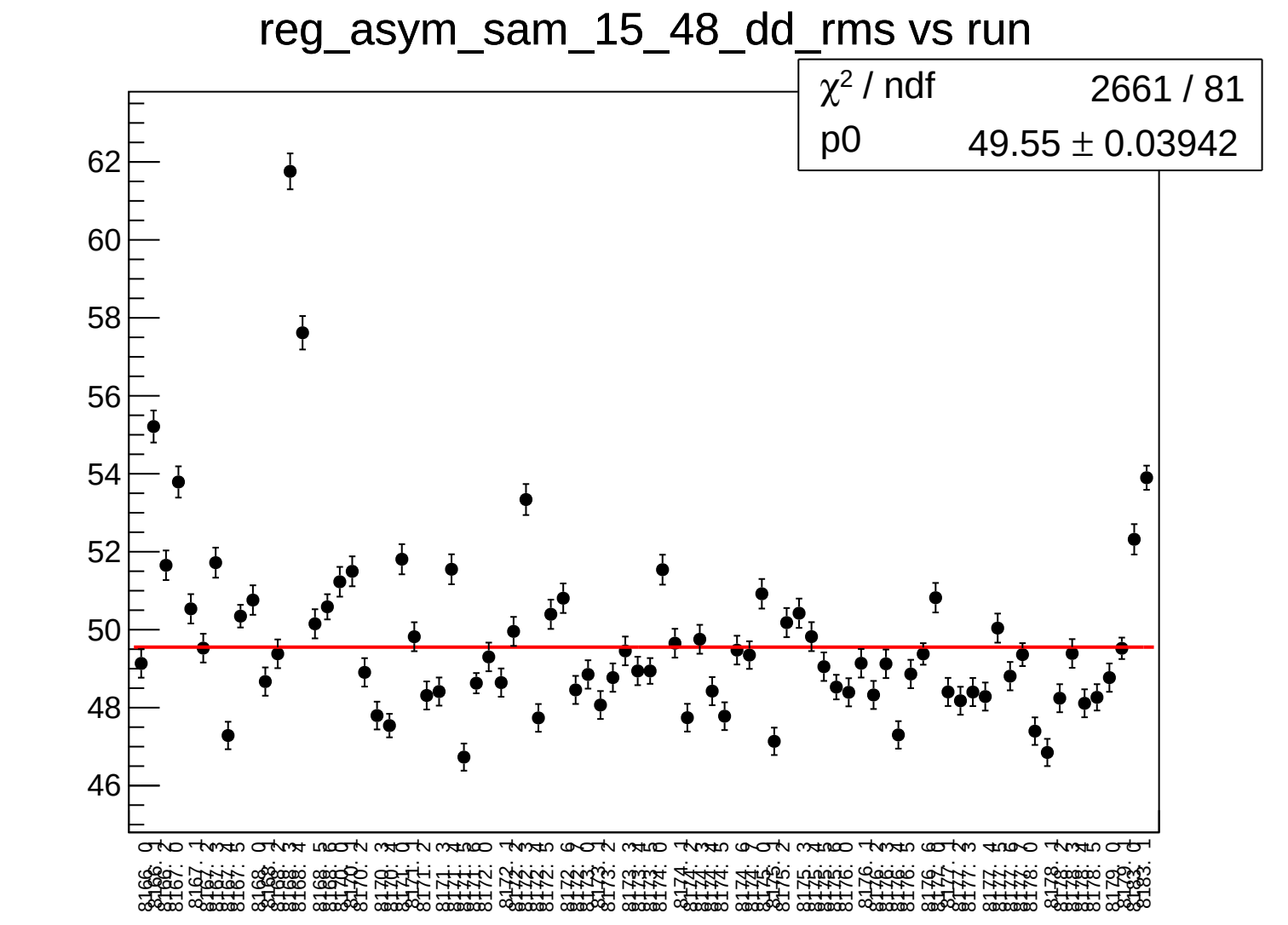

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.33e+04 / 81
p0 38.93 ± 0.03117
90
80
70
60
50
40
30

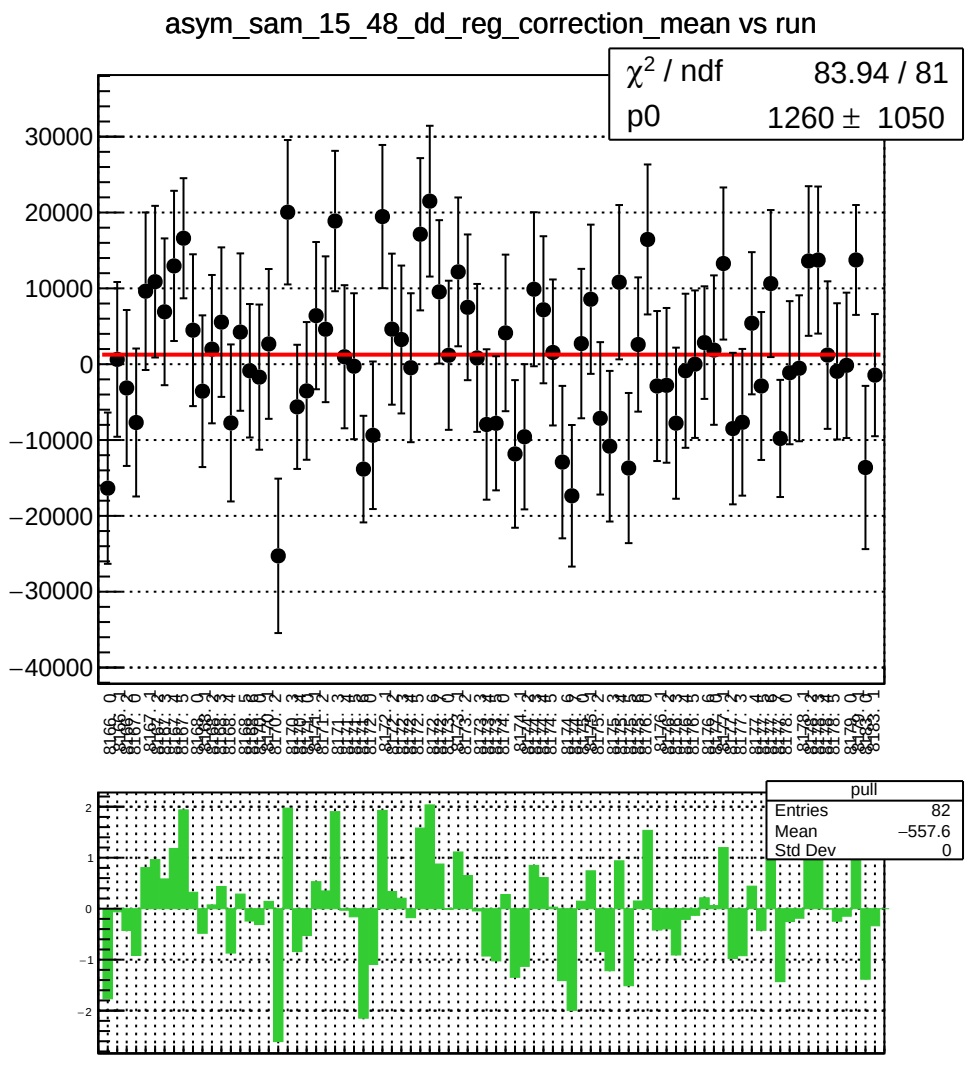

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.39 / 81
p0 3.361e−14 ± 6.432e−14
pull
Entries 82
Mean 157.3
Std Dev 0

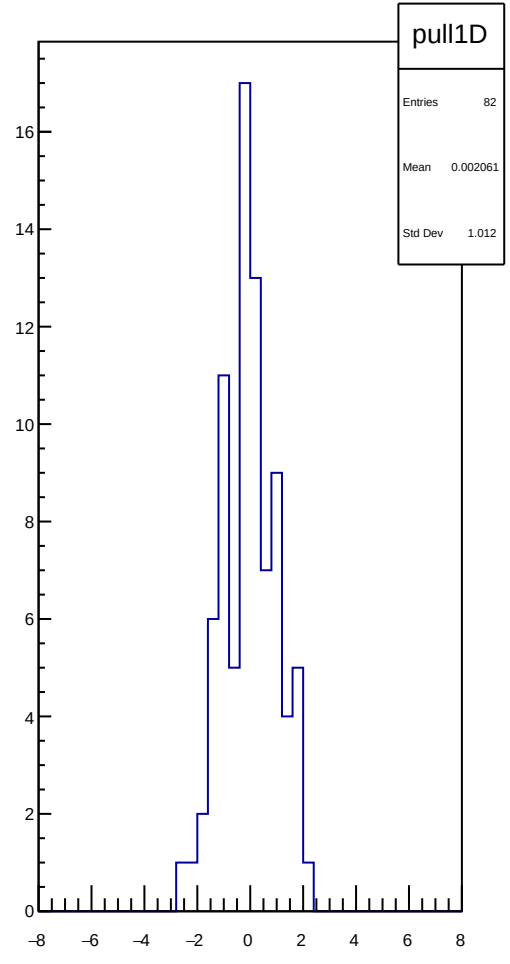

pull1D
Entries 82
Mean 0.01762
Std Dev 1.073

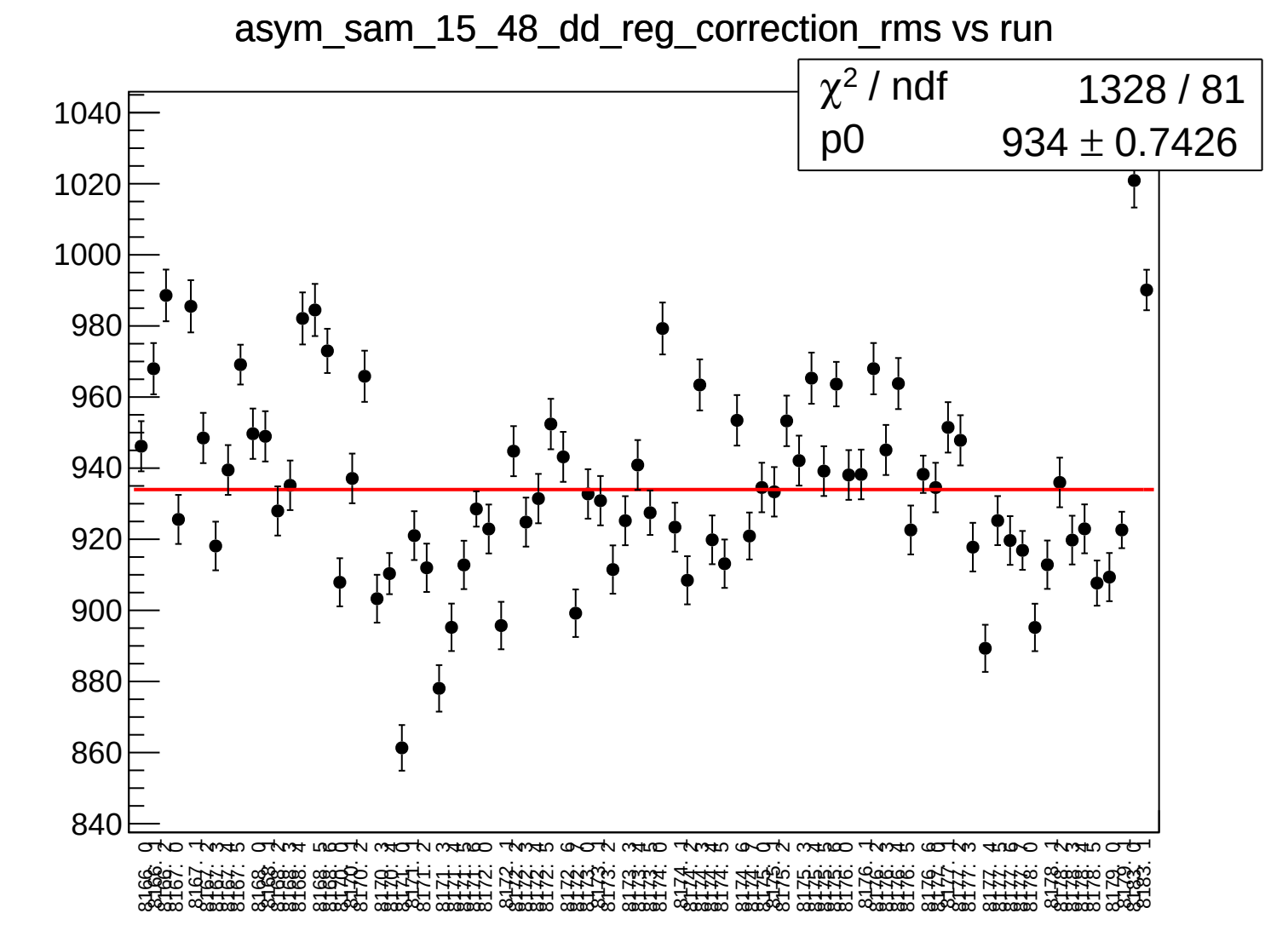

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.61e+05 / 81
p0 5.027e−11 ± 4.548e−14
0.25
0.2
0.15
0.1
0.05

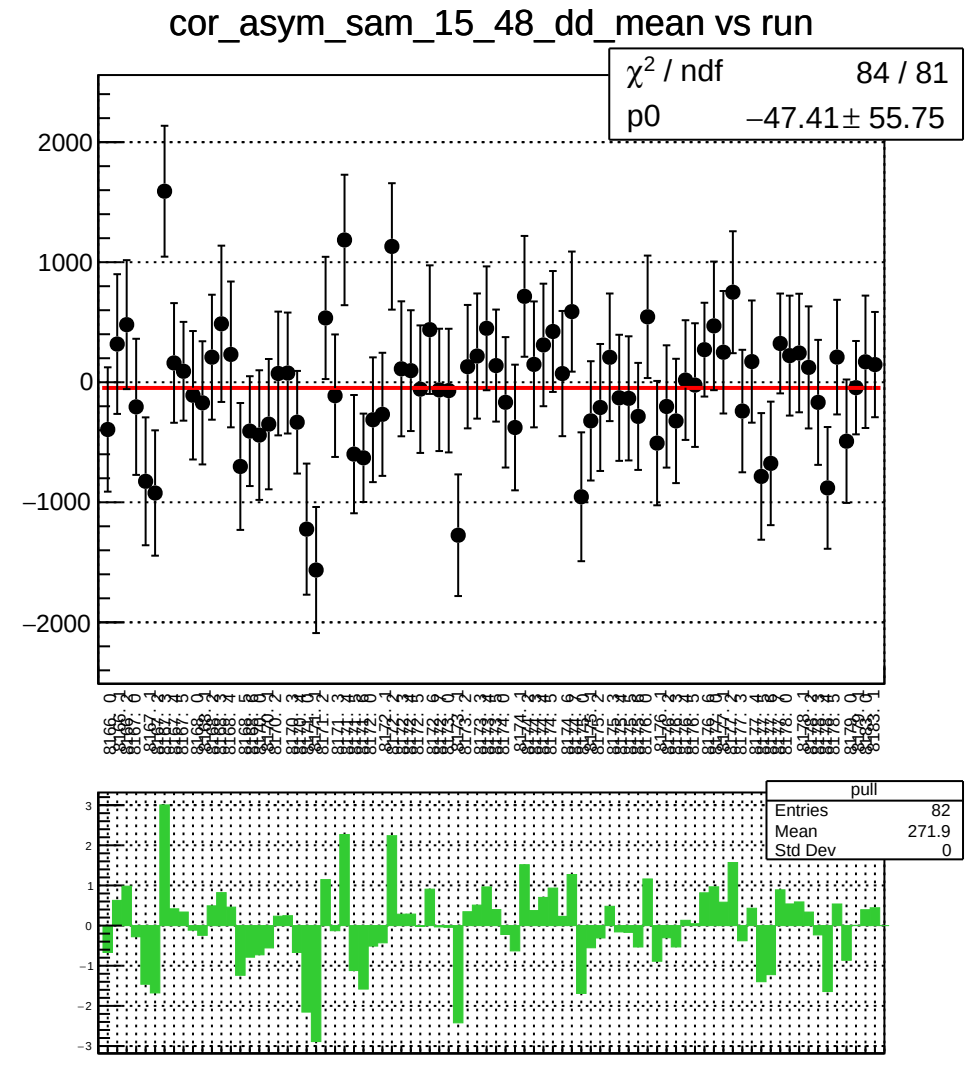

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 84 / 81
p0 −47.4 ± 55.75
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 271.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.005682
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

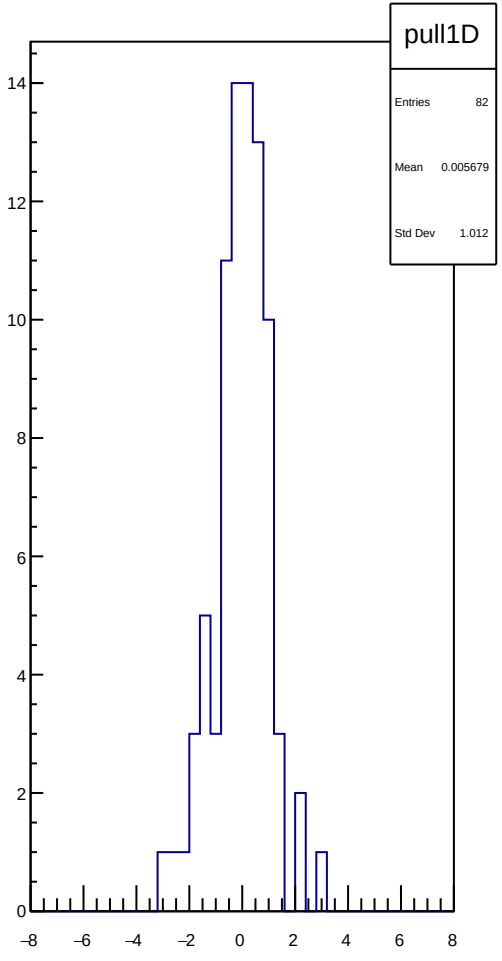

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 2661 / 81
p0 49.55 ± 0.03942
62
60
58
56
54
52
50
48
46

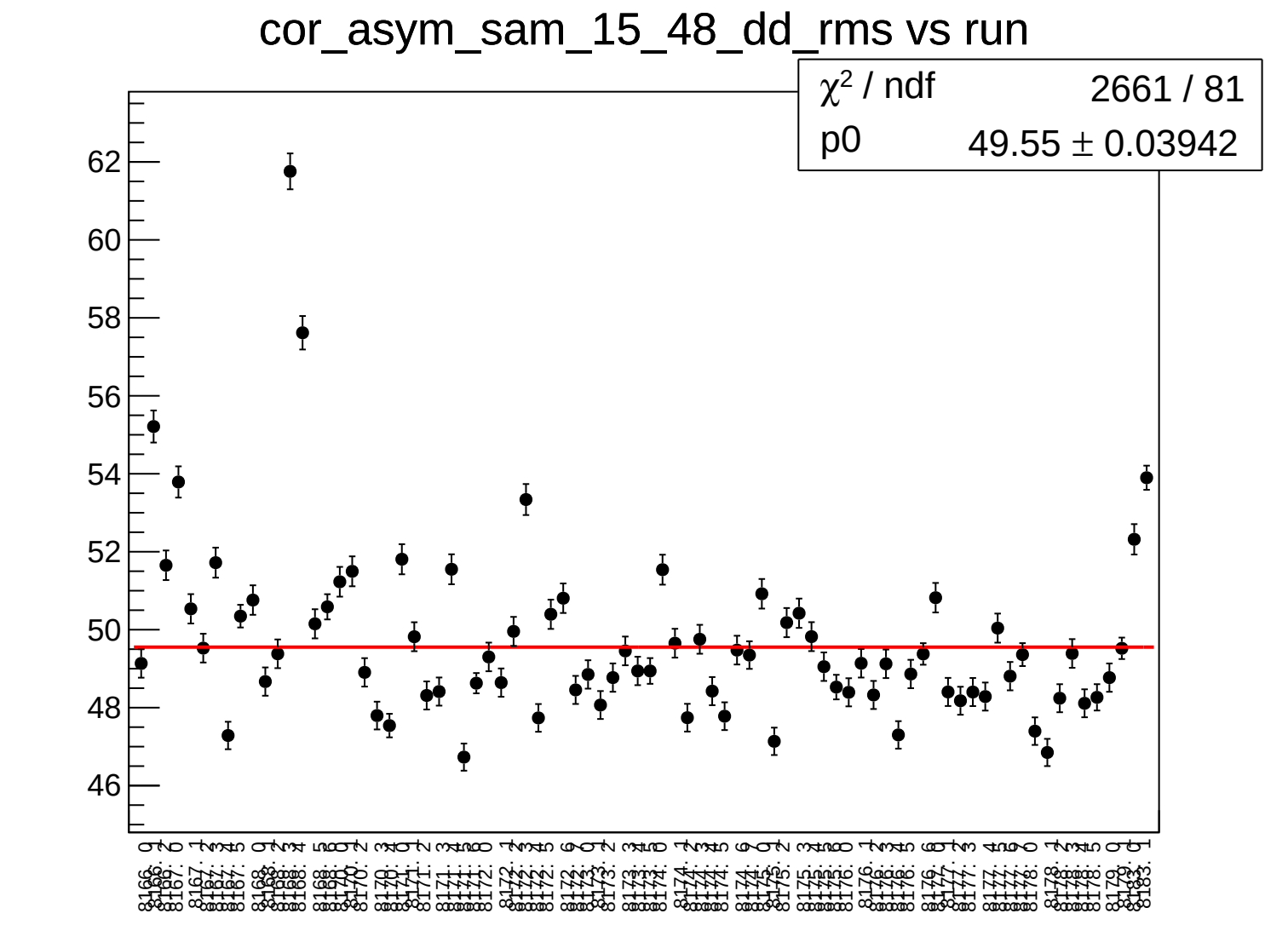

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 83.94 / 81
p0 1260 ± 1050
pull
Entries 82
Mean −557.6
Std Dev 0

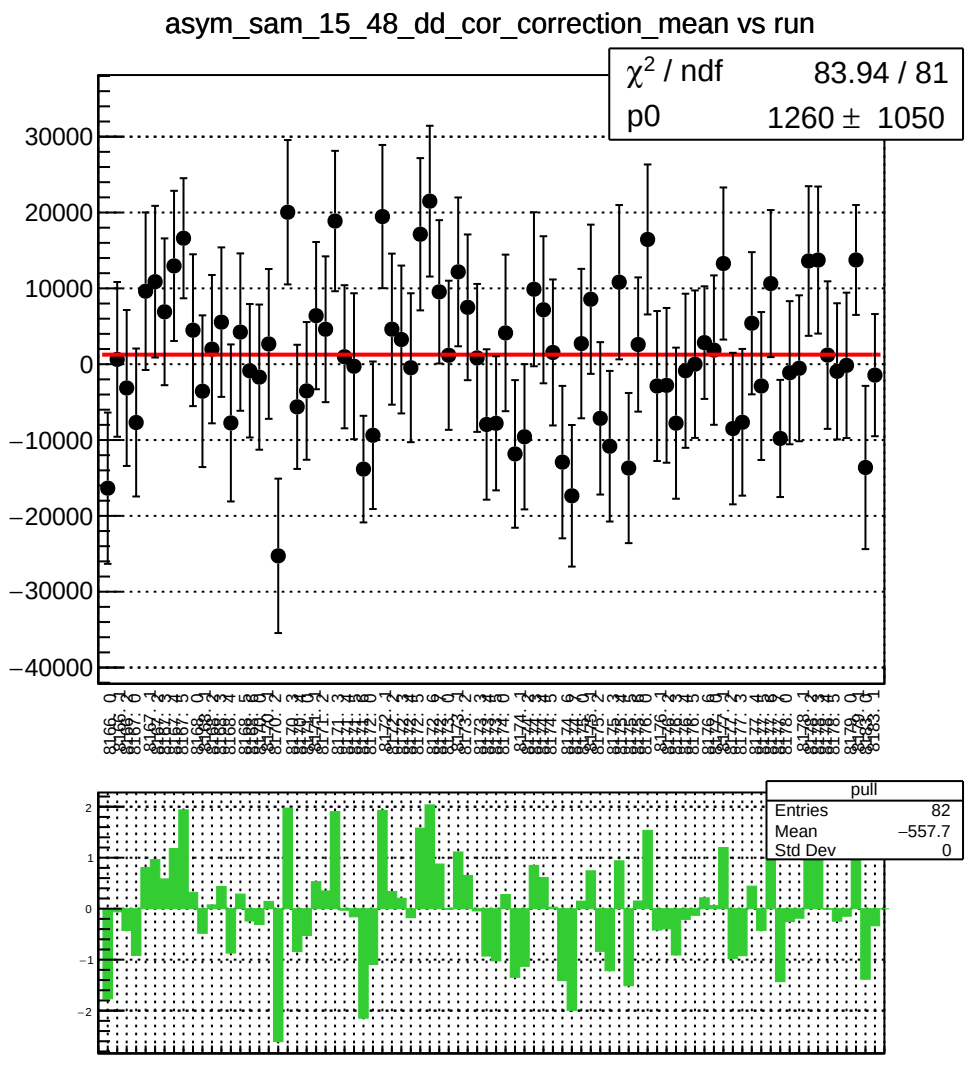

pull1D
Entries 82
Mean 0.002061
Std Dev 1.012

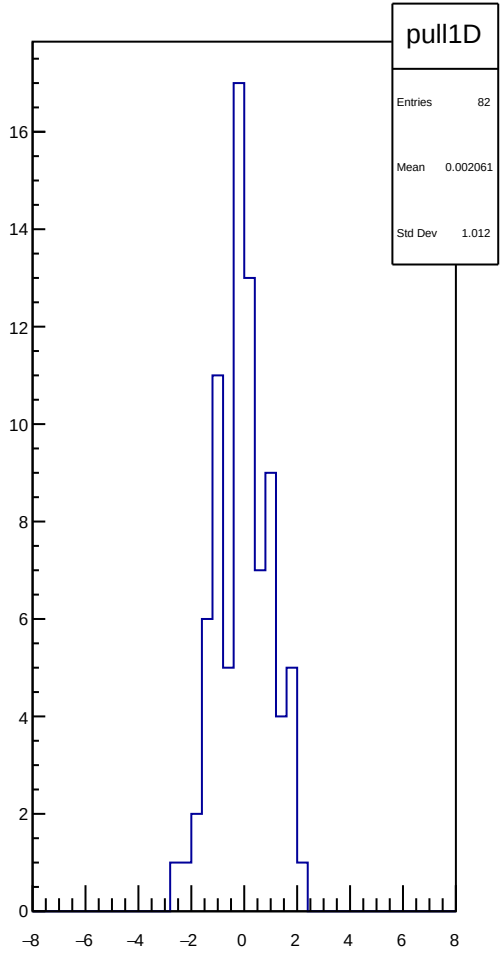

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1328 / 81
p0 934 ± 0.7426
1040
1020
1000
980
960
940
920
900
880
860
840

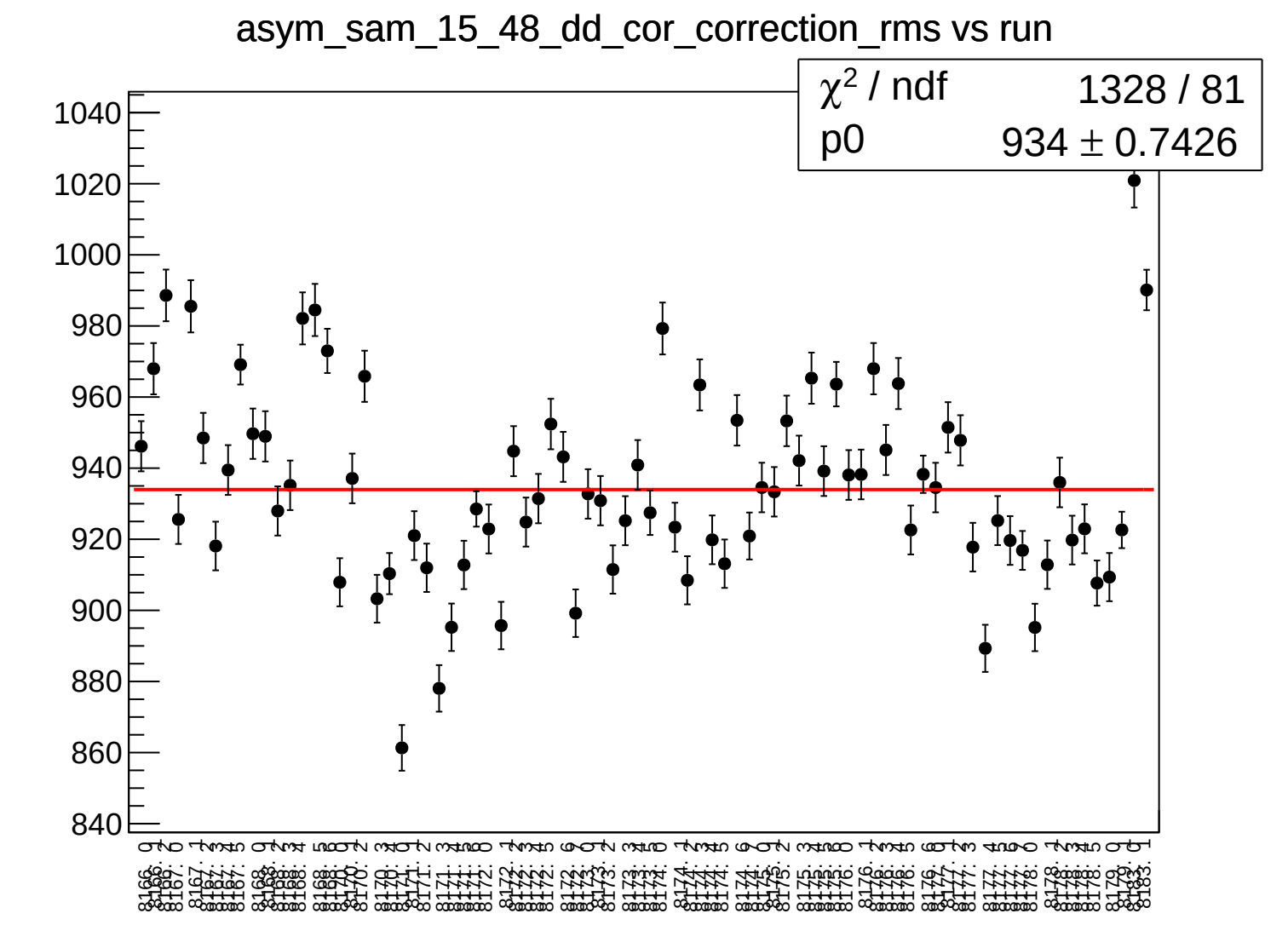

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 84 / 81
p0 −47.41 ± 55.75
pull
Entries 82
Mean 271.9
Std Dev 0

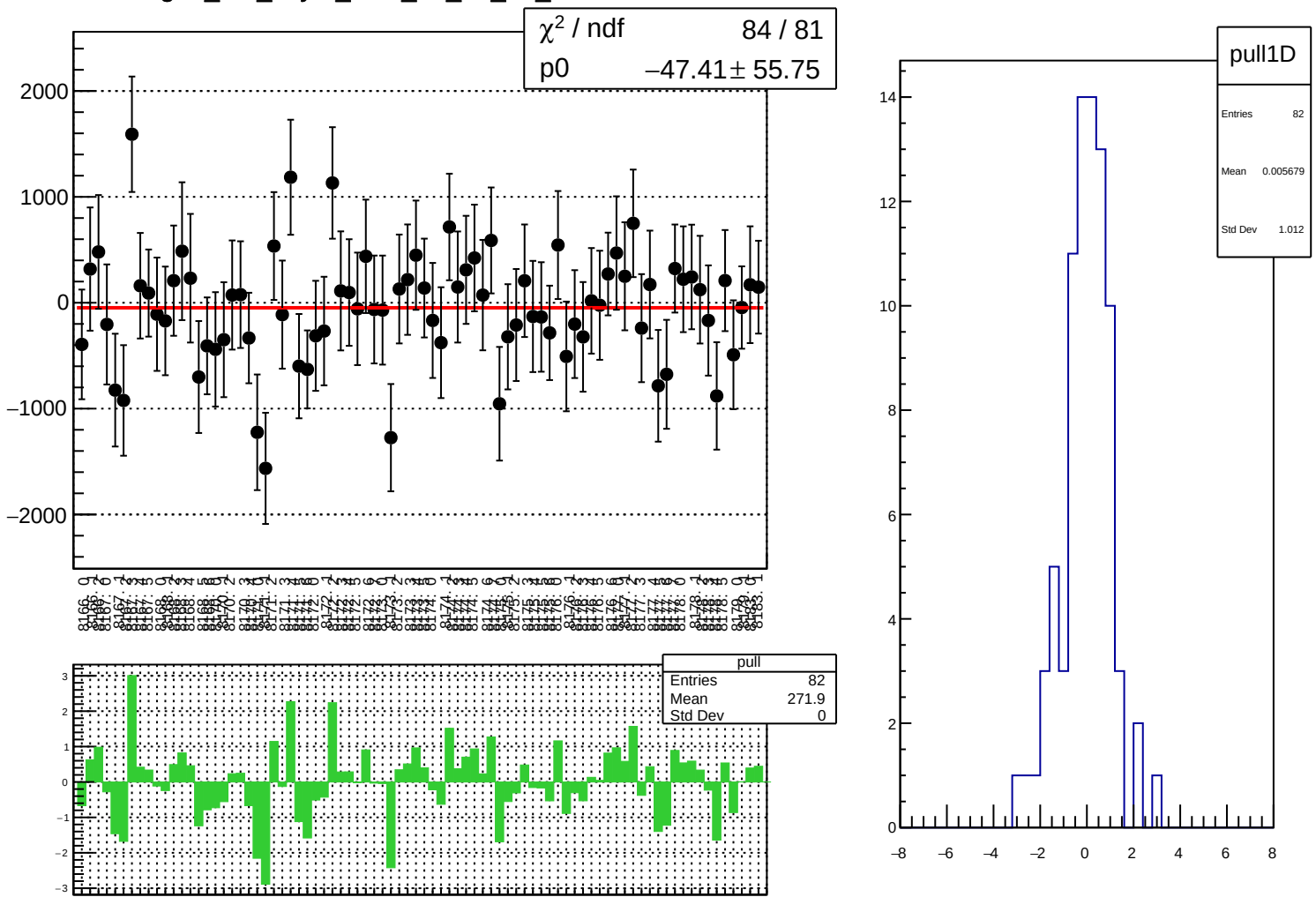

pull1D
Entries 82
Mean 0.005679
Std Dev 1.012

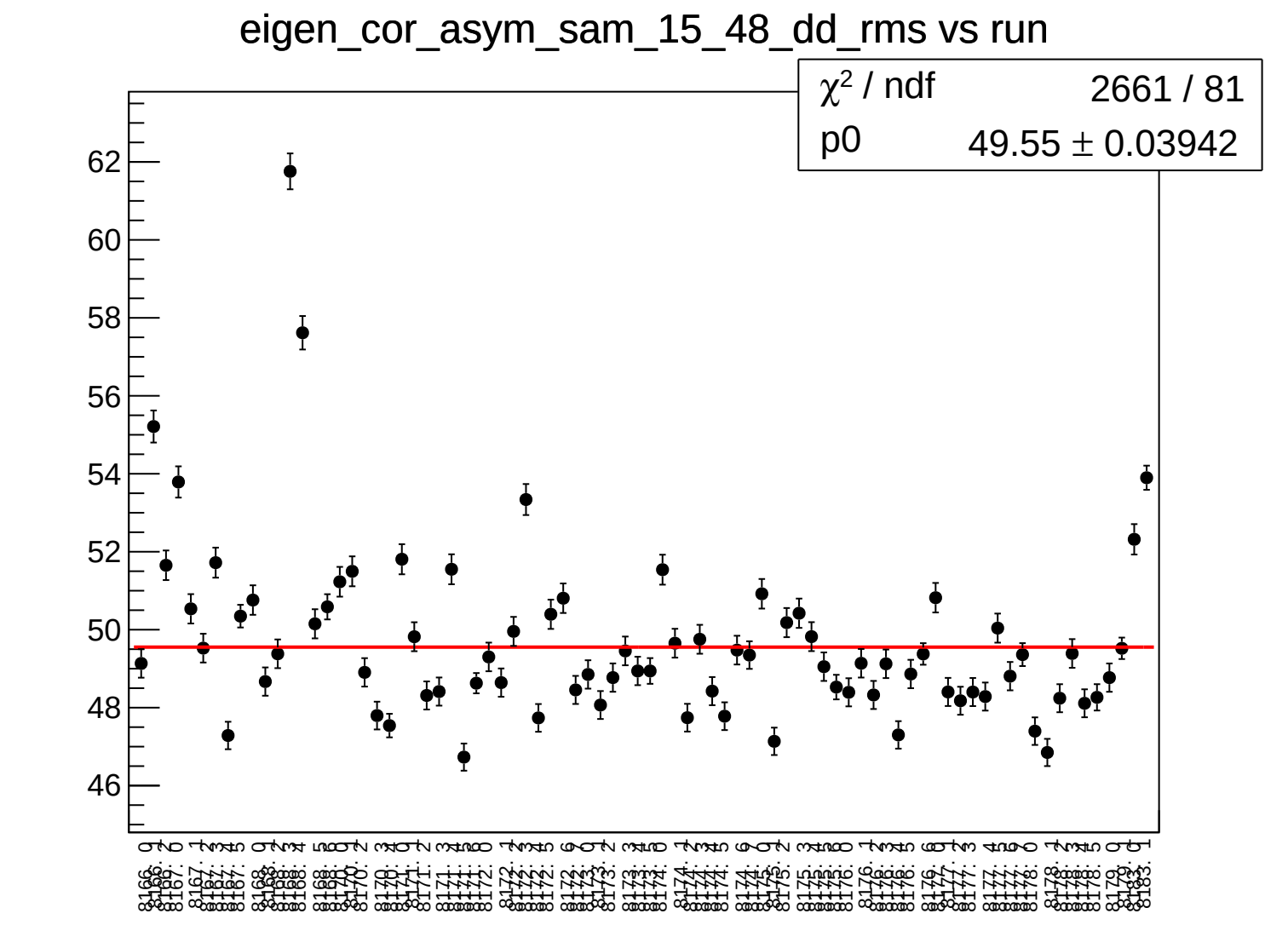

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 2661 / 81
p0 49.55 ± 0.03942
62
60
58
56
54
52
50
48
46

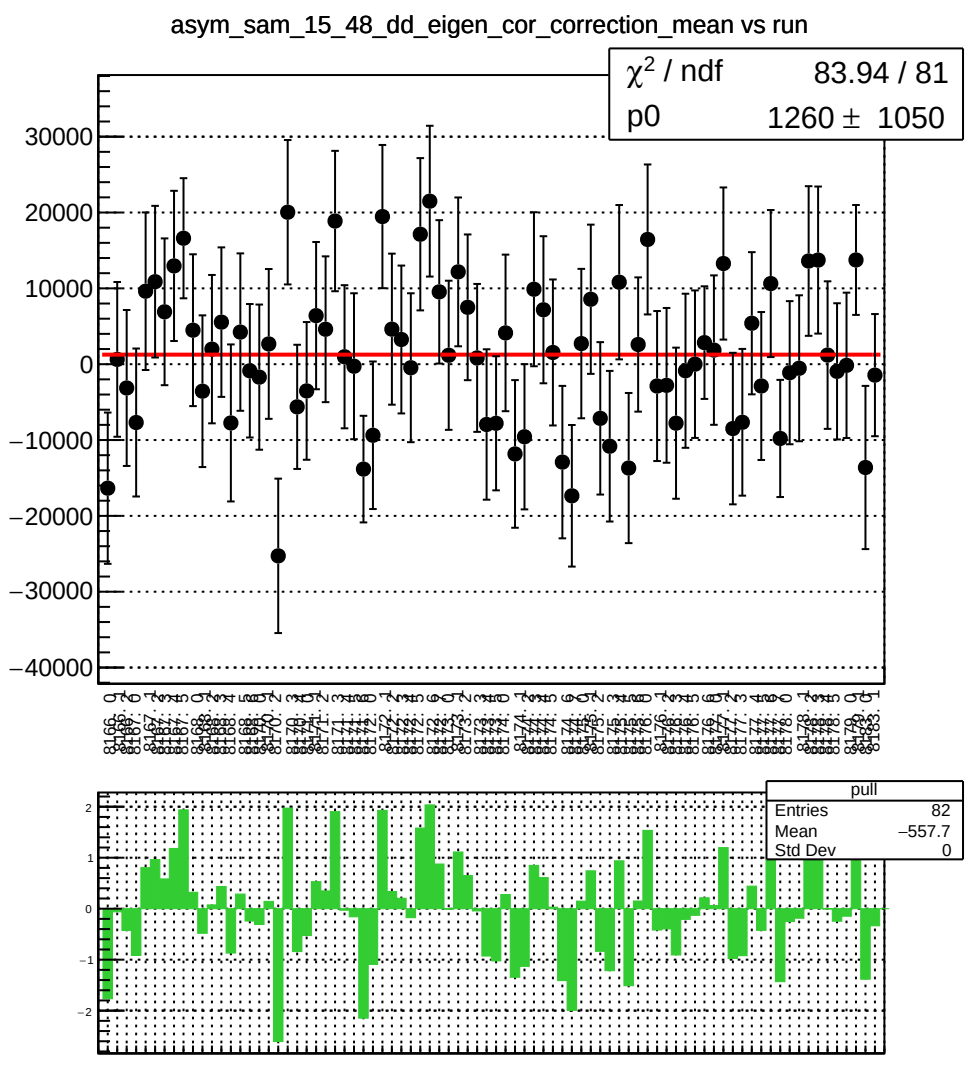

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 83.94 / 81
p0 1260 ± 1050
pull
Entries 82
Mean −557.7
Std Dev 0

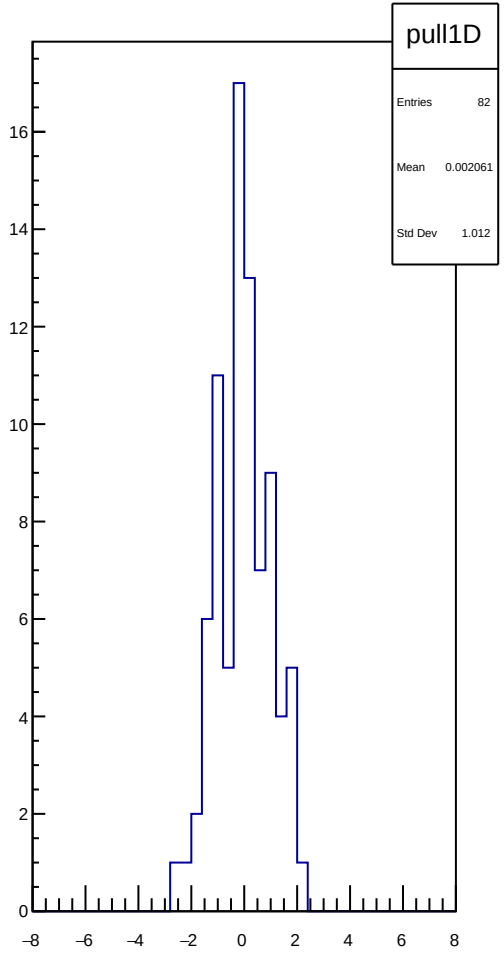

pull1D
Entries 82
Mean 0.002061
Std Dev 1.012

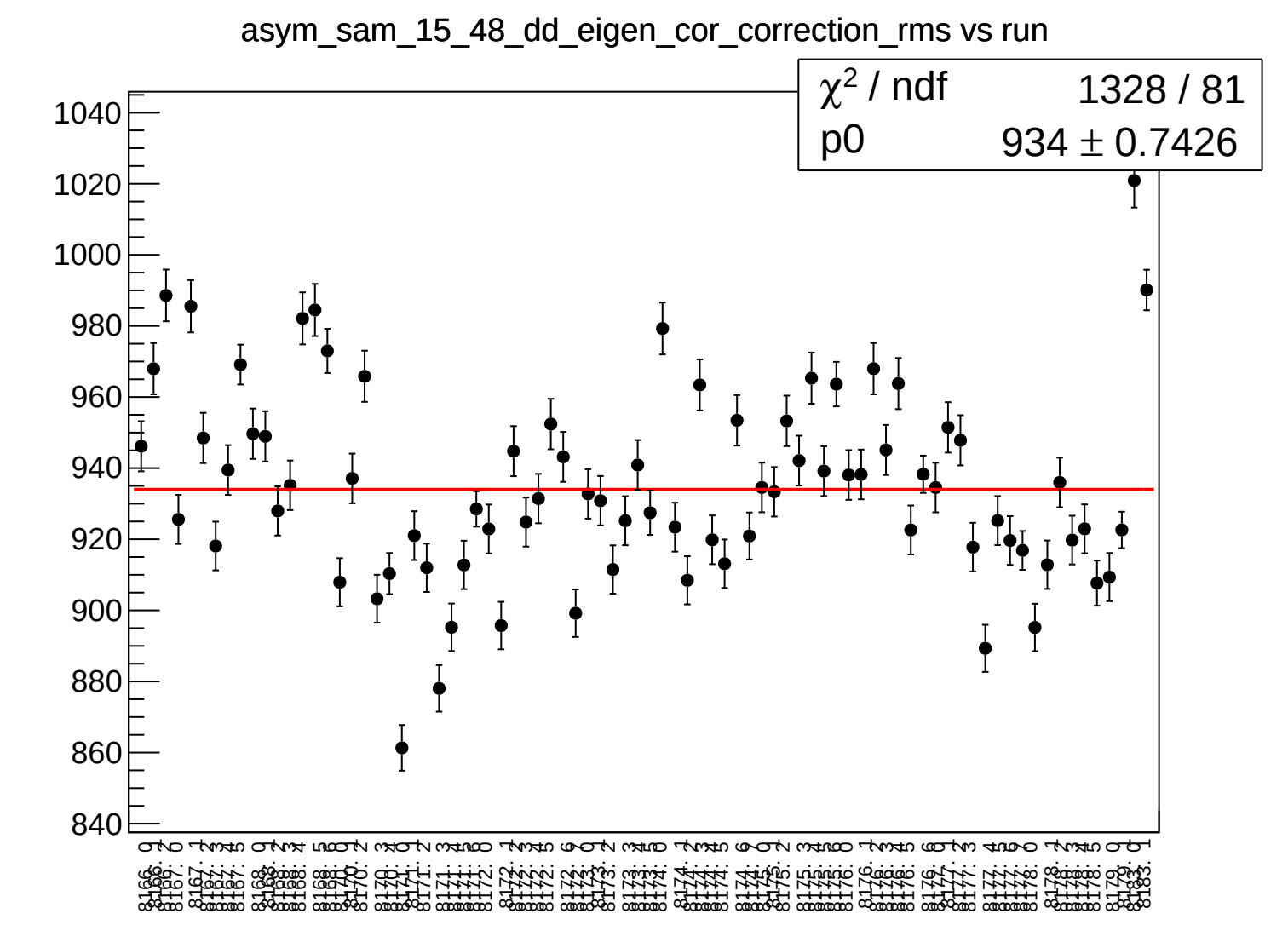

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1328 / 81
p0 934 ± 0.7426
1040
1020
1000
980
960
940
920
900
880
860
840

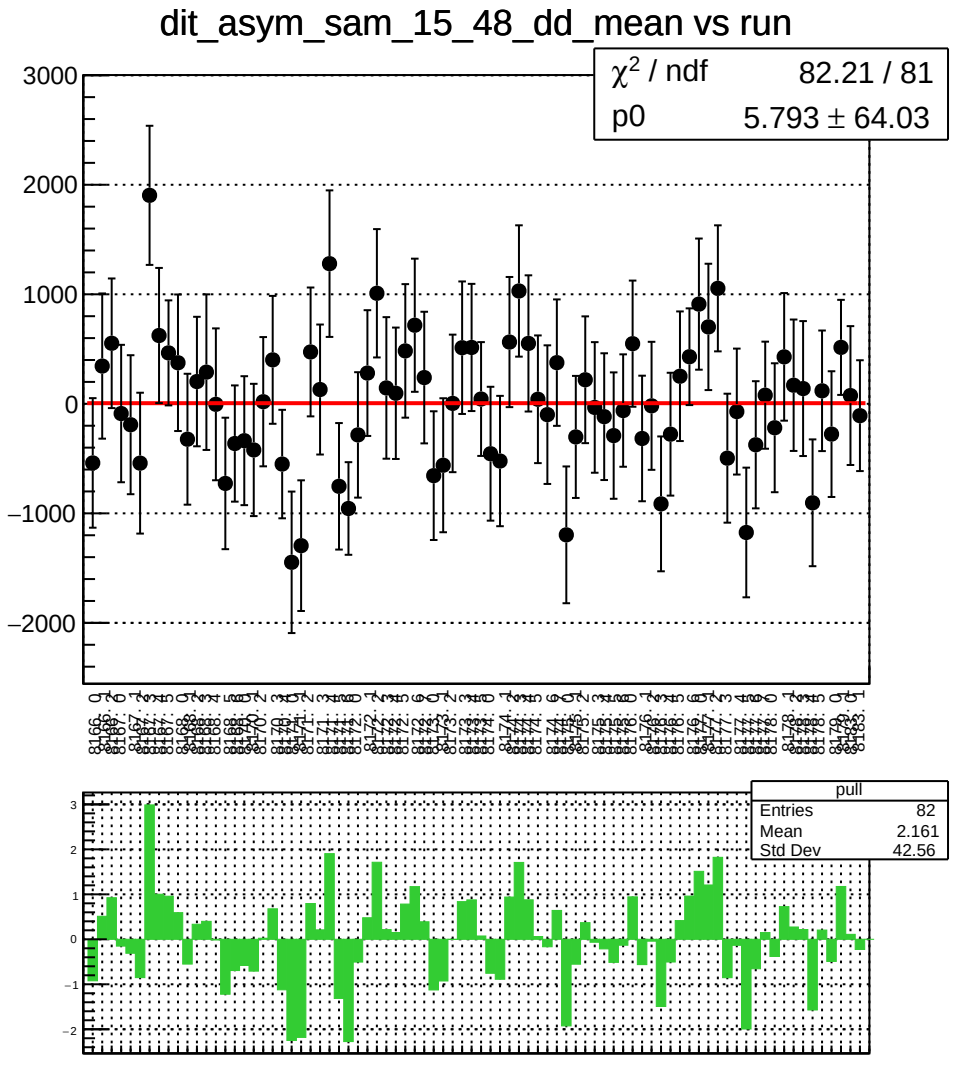

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 84 / 81
p0 −47.41 ± 55.75
pull
Entries 82
Mean 271.9
Std Dev 0
pull1D
Entries 82
Mean 0.005679
Std Dev 1.012

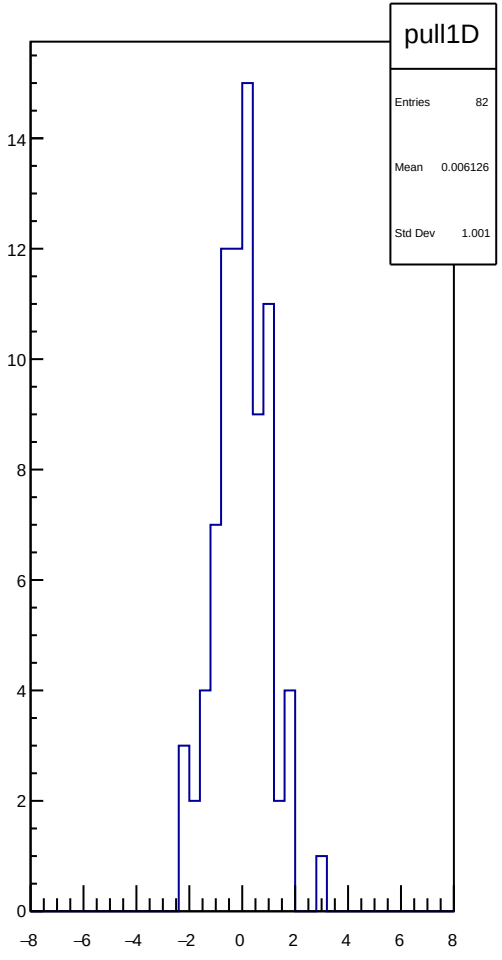

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 2661 / 81
p0 49.55 ± 0.03942
62
60
58
56
54
52
50
48
46

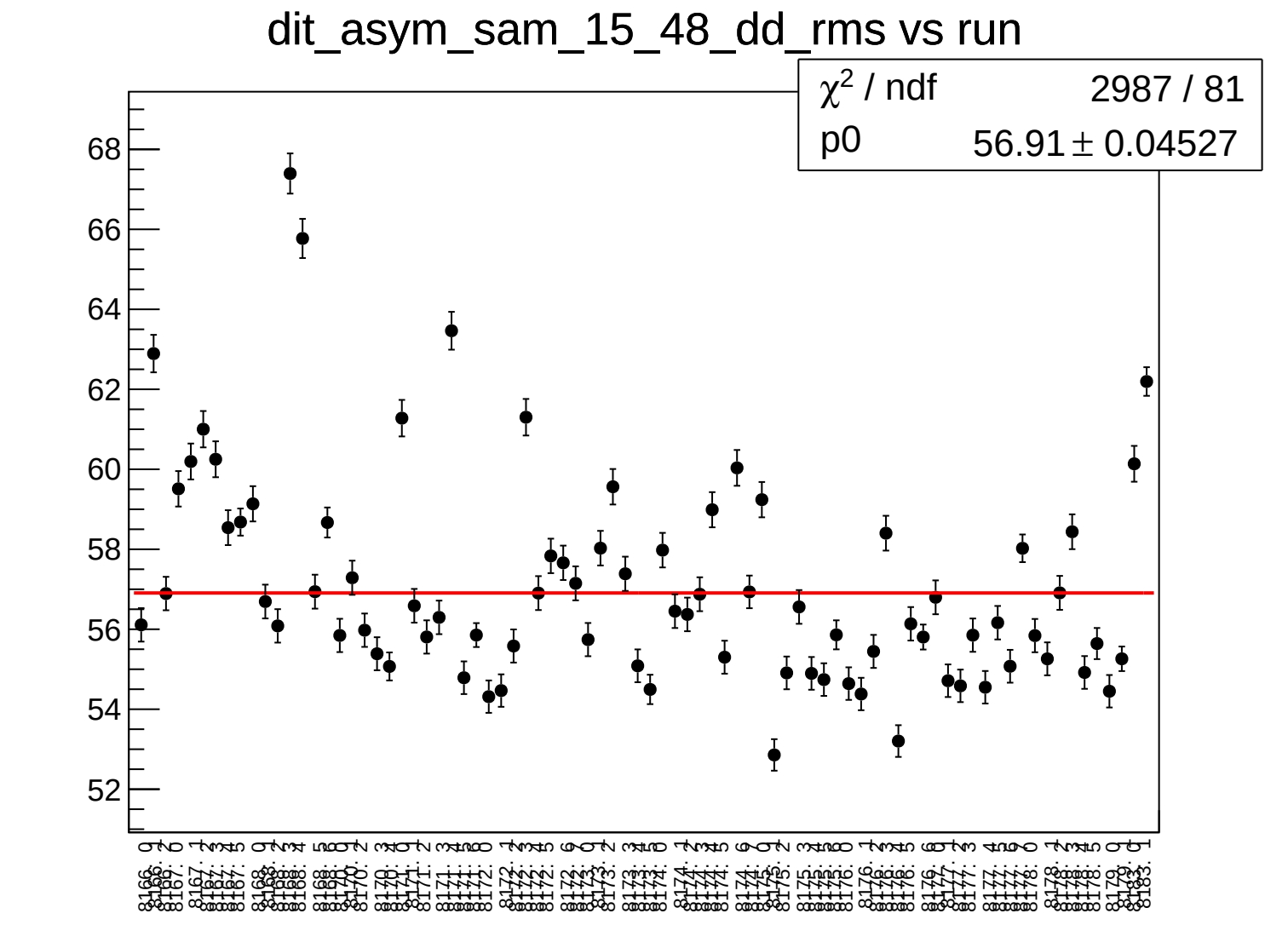

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.94 / 81
p0 1260 ± 1050
pull
Entries 82
Mean −557.7
Std Dev 0

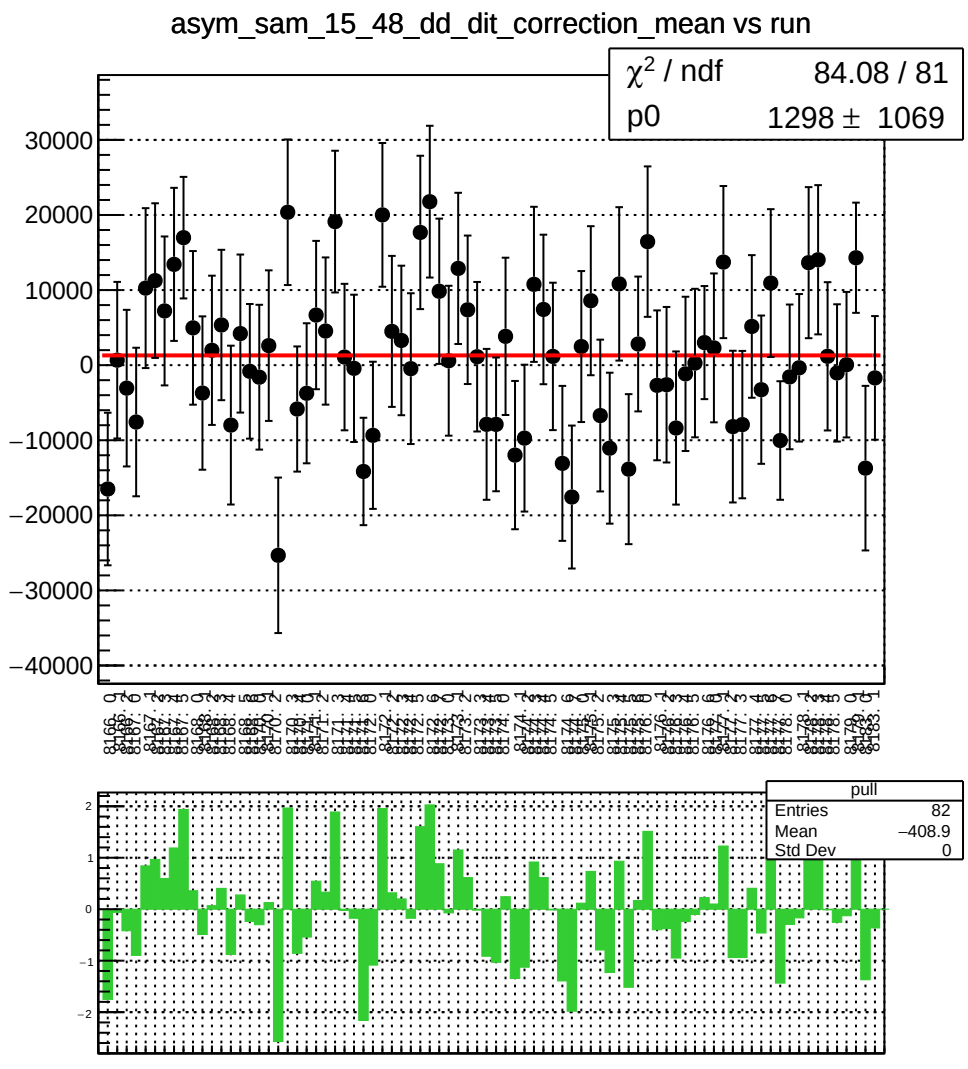

pull1D
Entries 82
Mean 0.002061
Std Dev 1.012

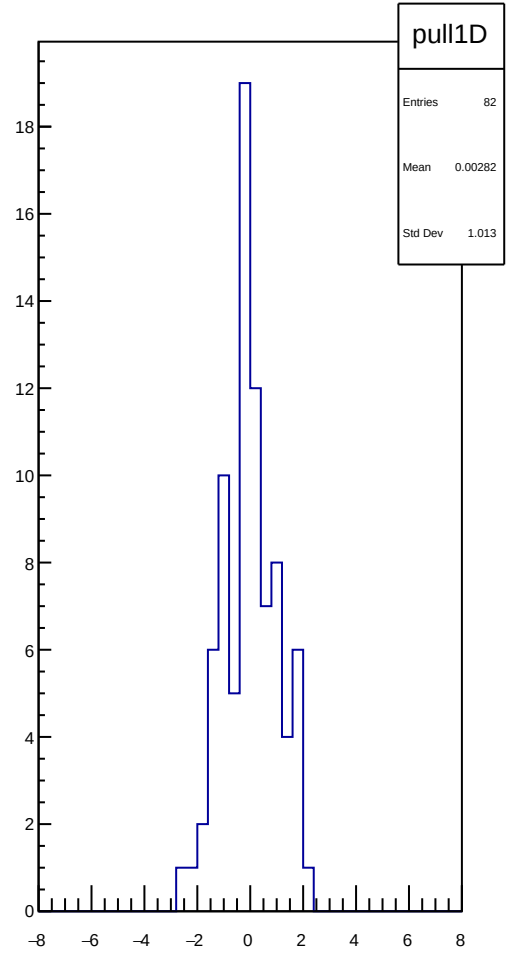

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1328 / 81
p0 934 ± 0.7426
1040
1020
1000
980
960
940
920
900
880
860
840

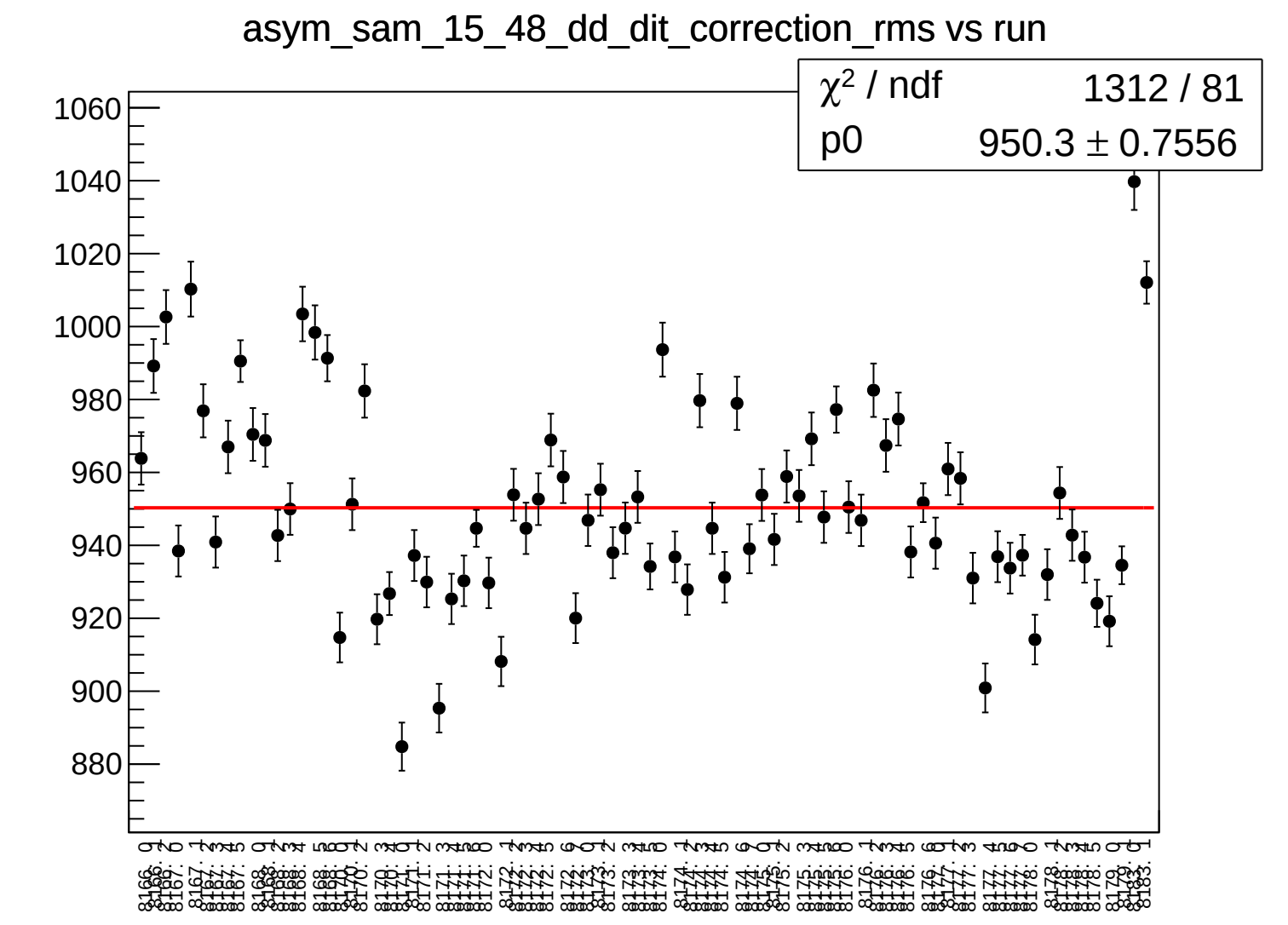

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.21 / 81
p0 5.793 ± 64.03
pull
Entries 82
Mean 2.161
Std Dev 42.56

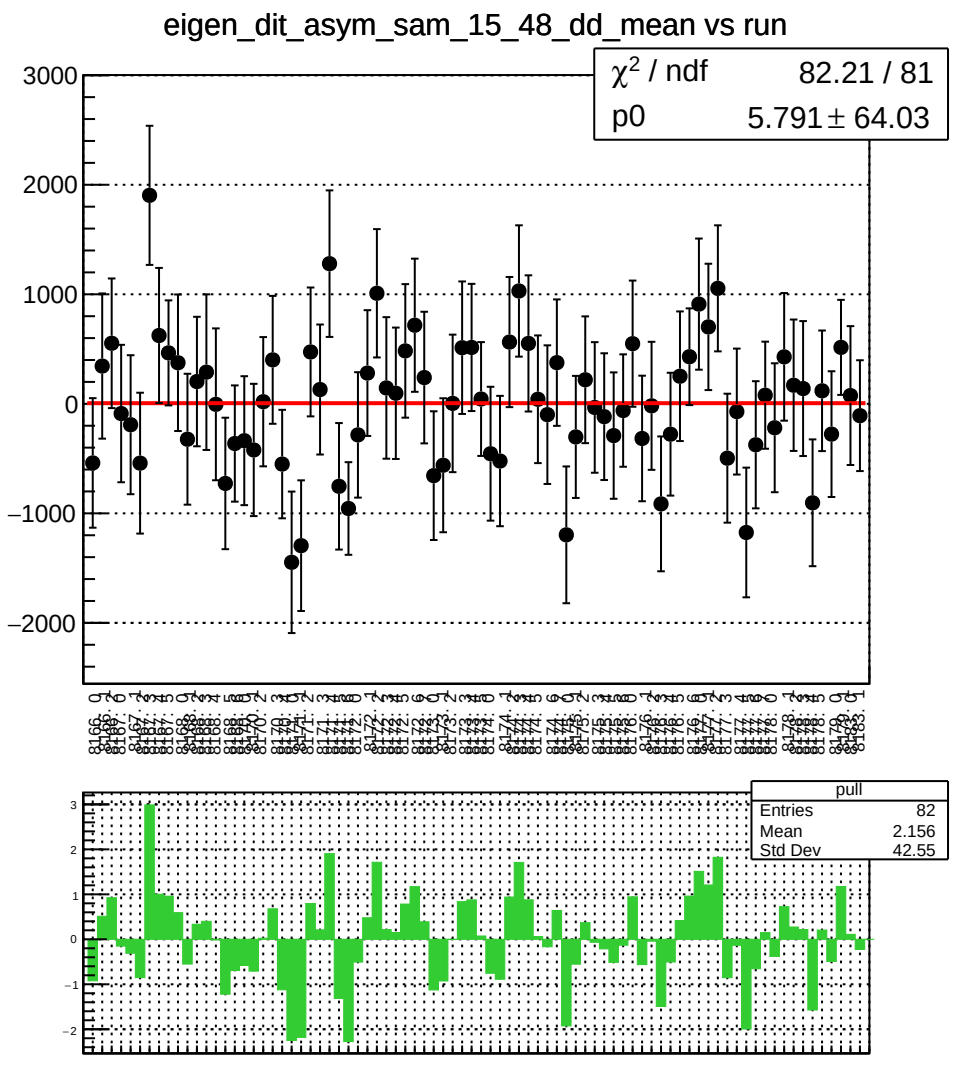

pull1D
Entries 82
Mean 0.006126
Std Dev 1.001

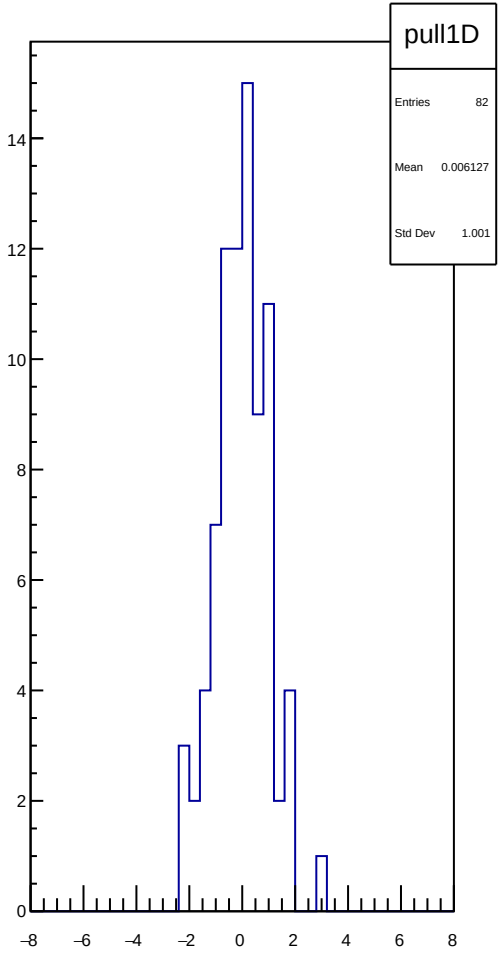

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2987 / 81
p0 56.91 ± 0.04527
68
66
64
62
60
58
56
54
52

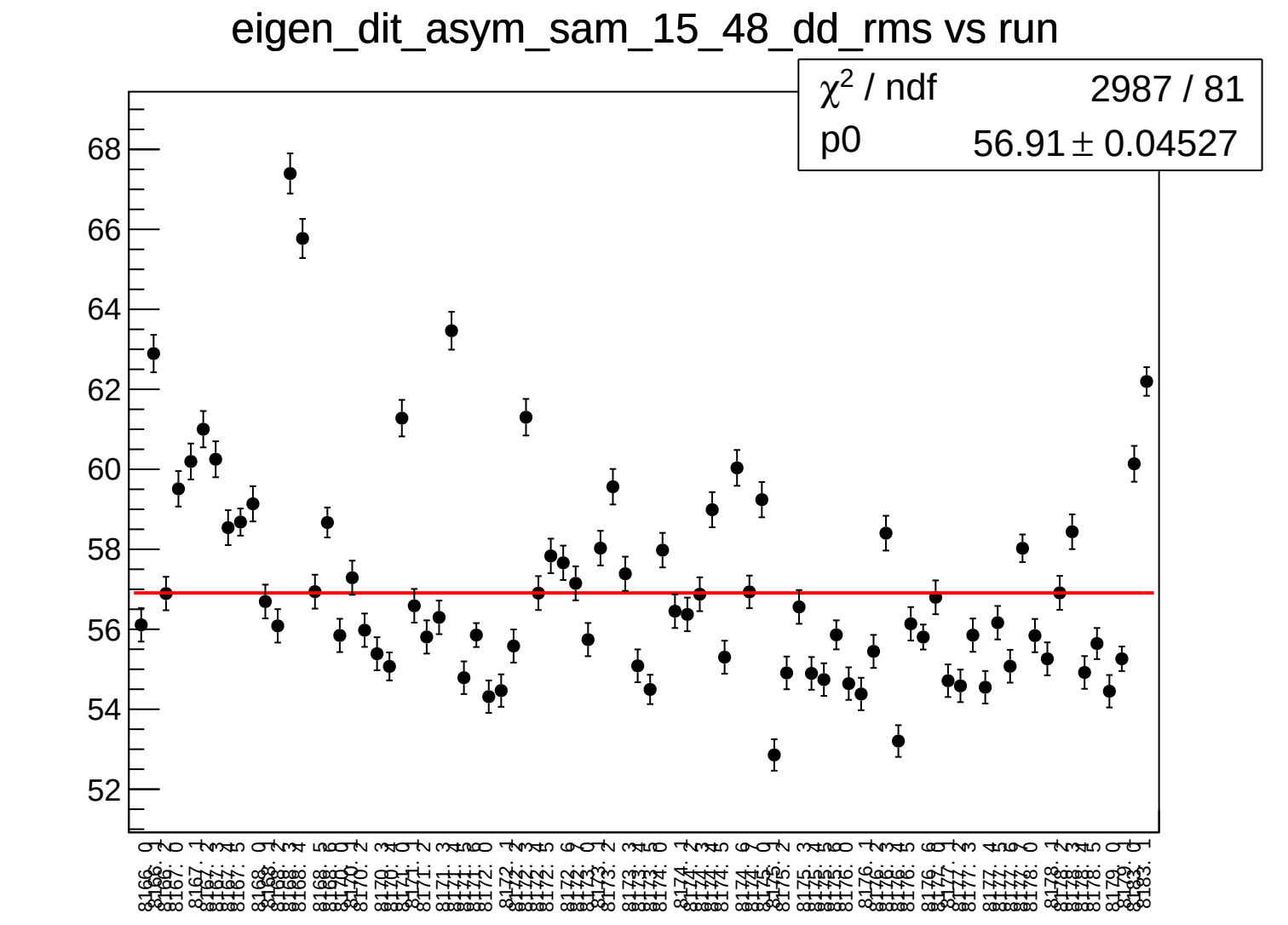

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 84.08 / 81
p0 1298 ± 1069
pull
Entries 82
Mean −408.9
Std Dev 0

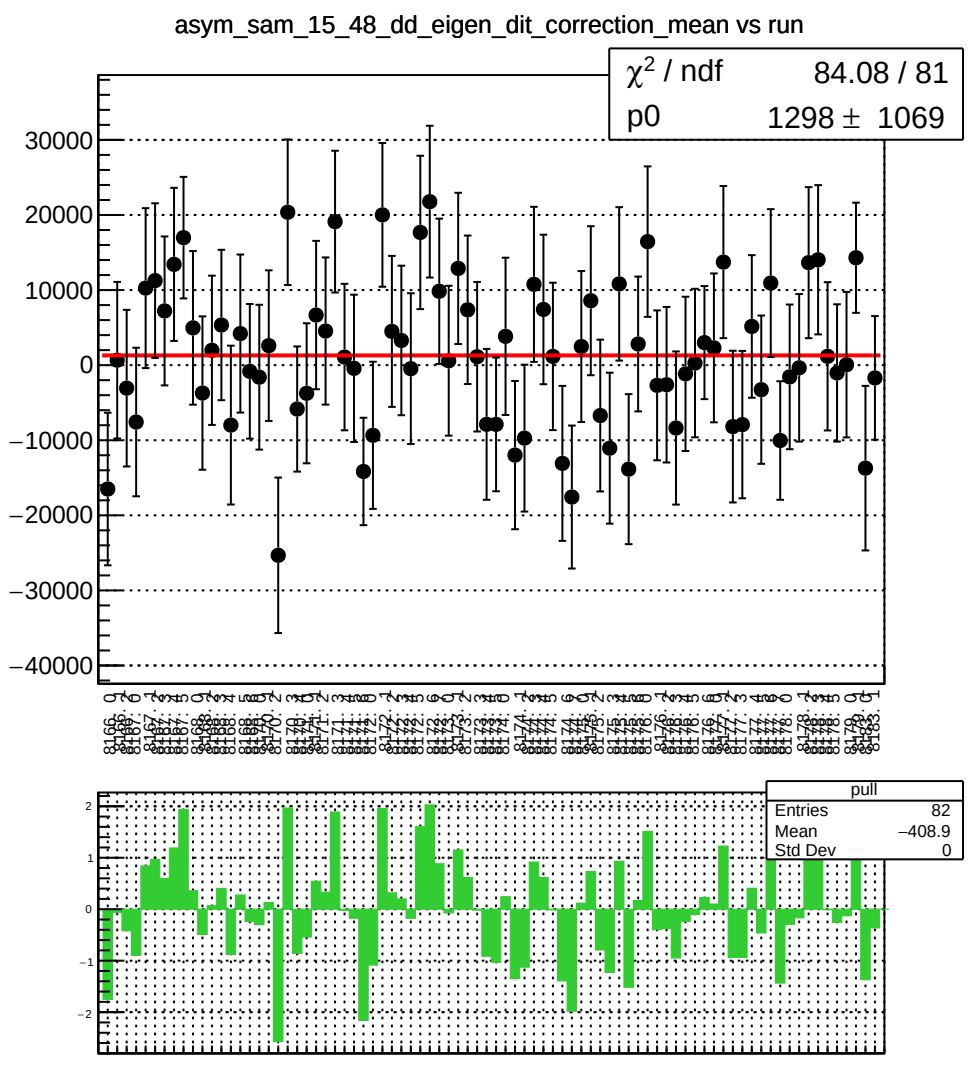

pull1D
Entries 82
Mean 0.00282
Std Dev 1.013

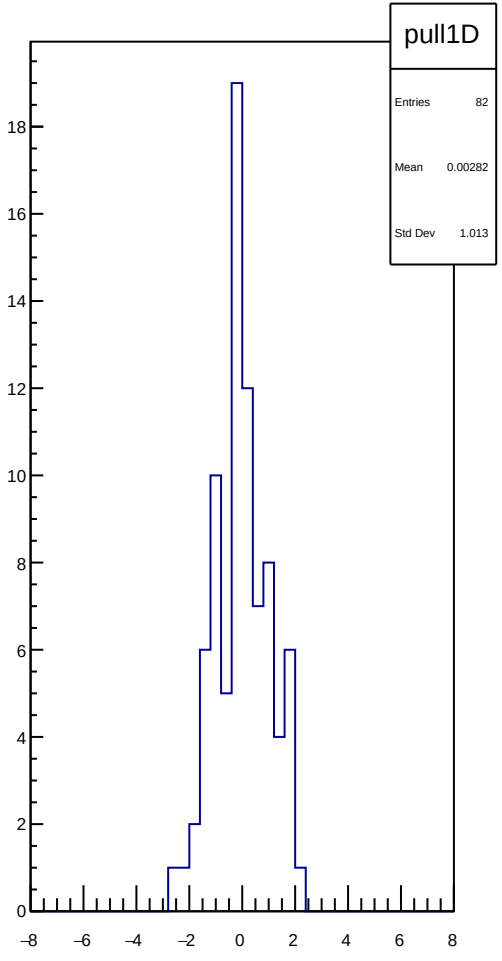

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1312 / 81
p0 950.3 ± 0.7556
1060
1040
1020
1000
980
960
940
920
900
880

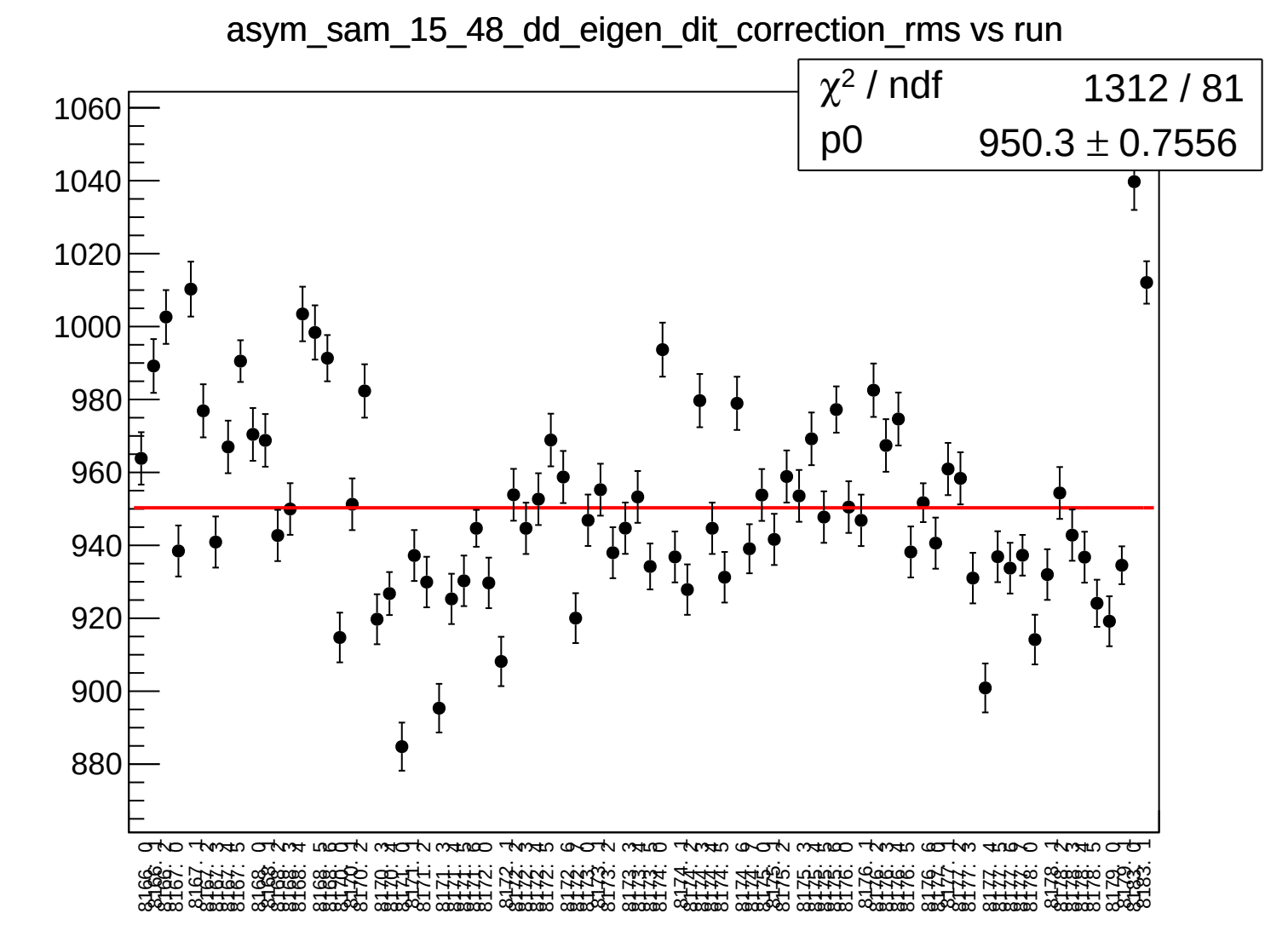

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.21 / 81
p0 5.791 ± 64.03
3000
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 2.156
Std Dev 42.55
3
2
1
0
−1
−2

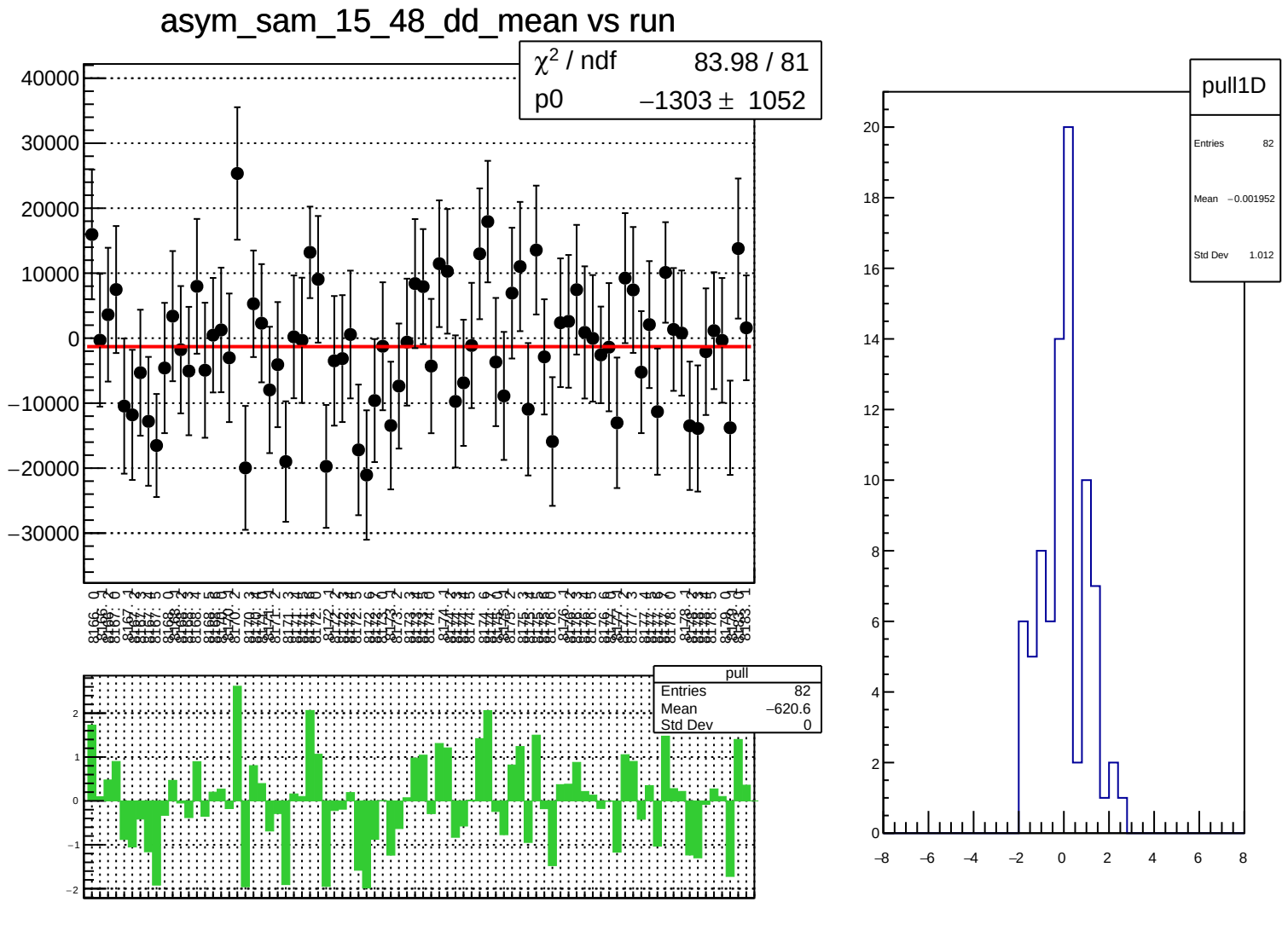

pull1D
Entries 82
Mean 0.006127
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

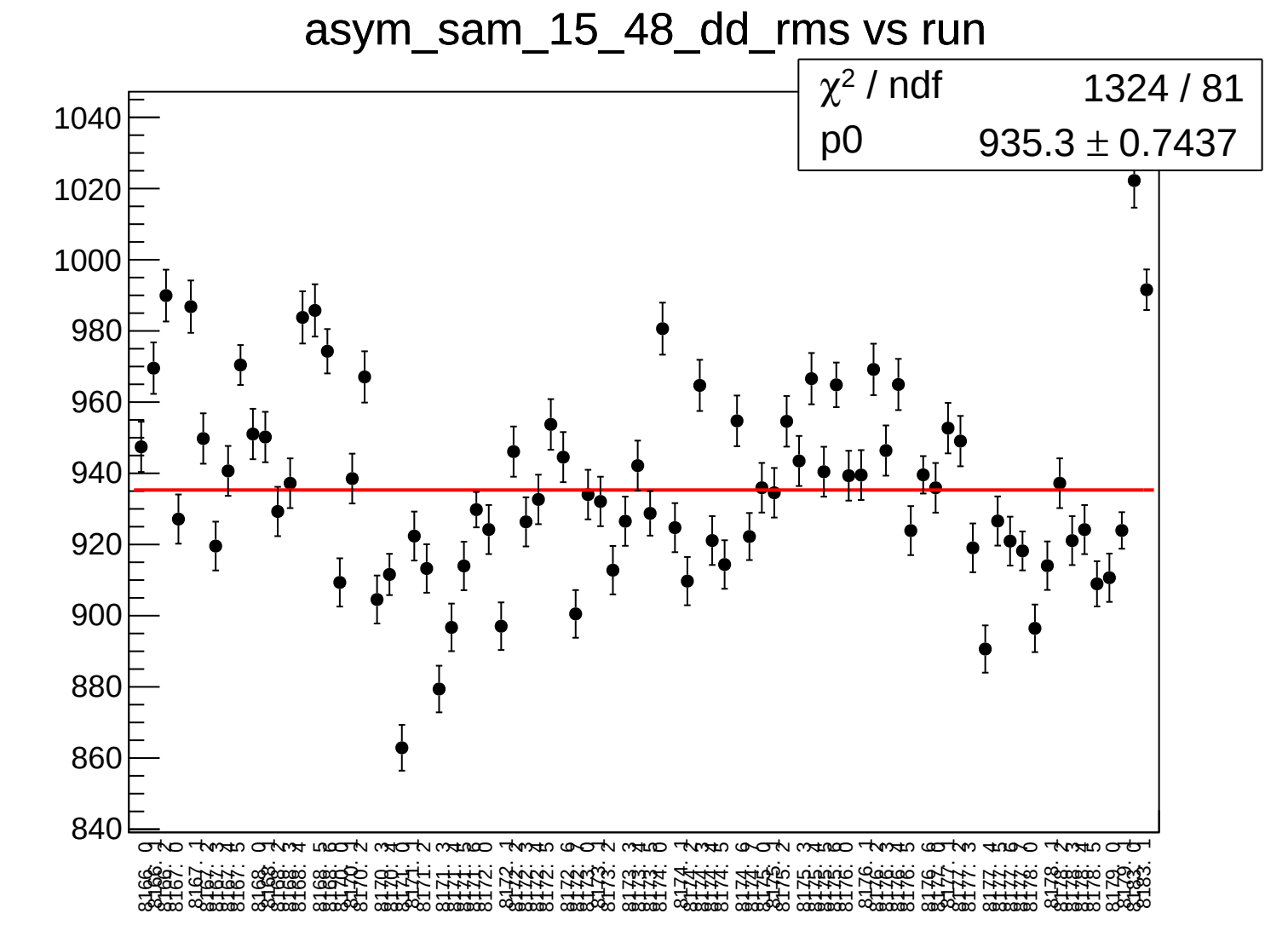

eigen_dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2987 / 81
p0 56.91 ± 0.04527
68
66
64
62
60
58
56
54
52

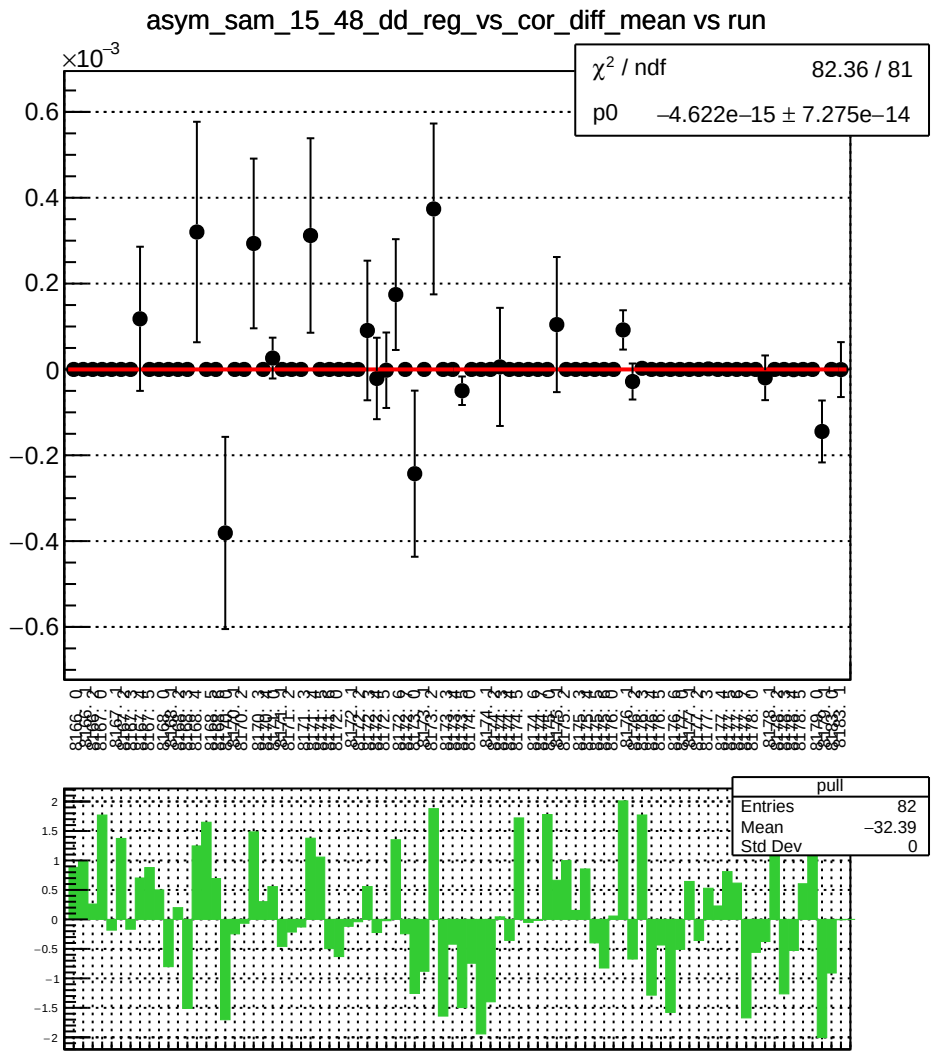

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.08 / 81
p0 1298 ± 1069
pull
Entries 82
Mean −408.9
Std Dev 0

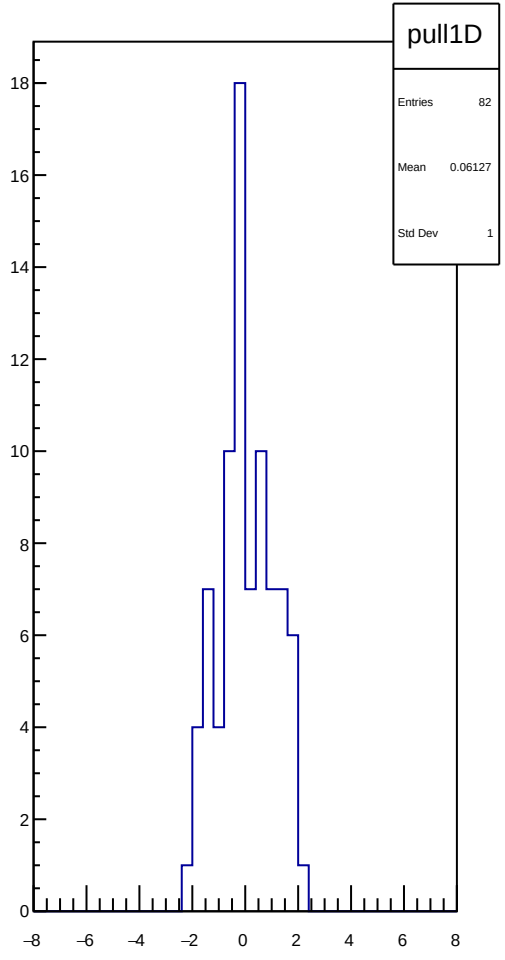

pull1D
Entries 82
Mean 0.00282
Std Dev 1.013

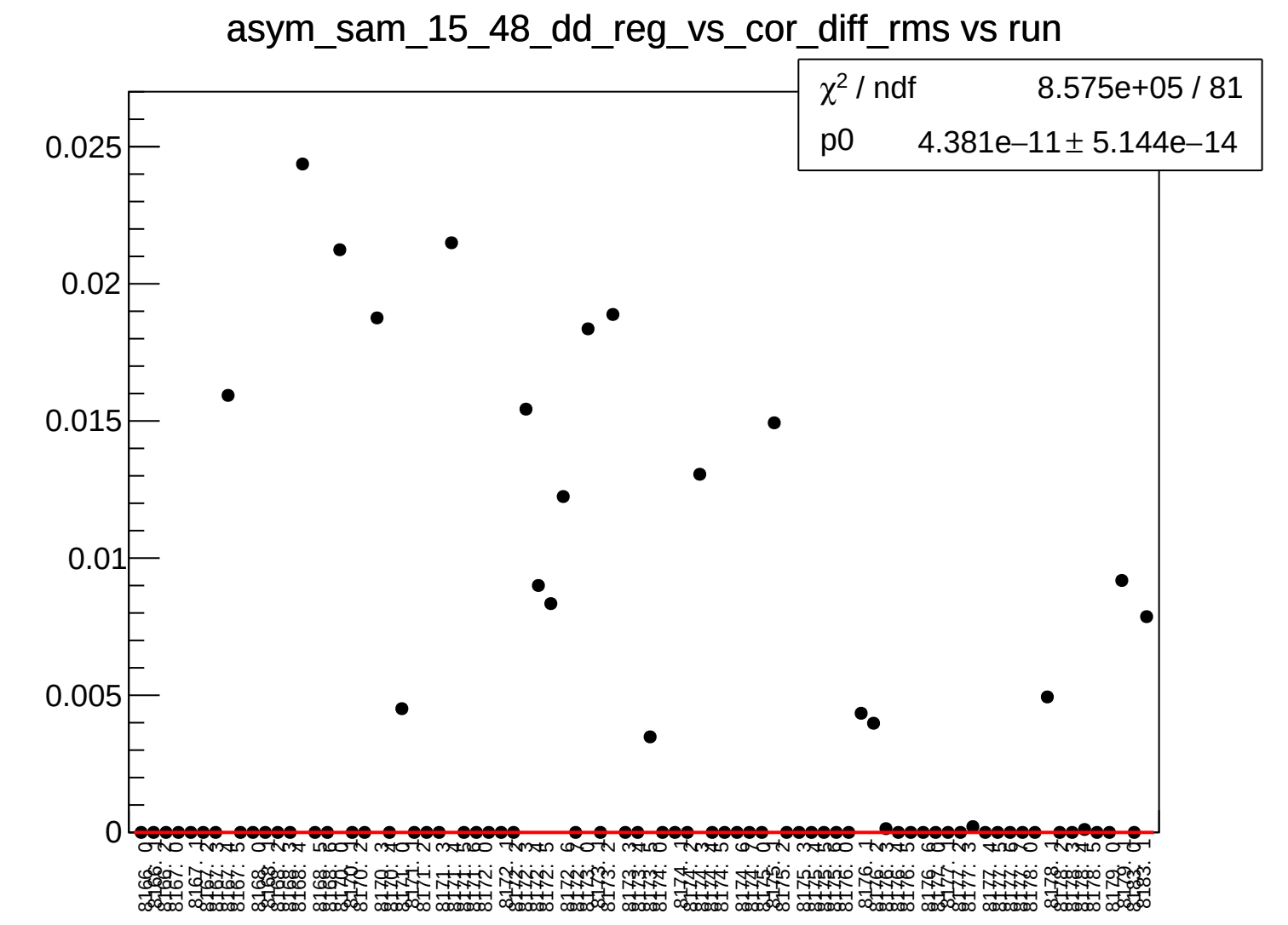

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1312 / 81
p0 950.3 ± 0.7556
1060
1040
1020
1000
980
960
940
920
900
880

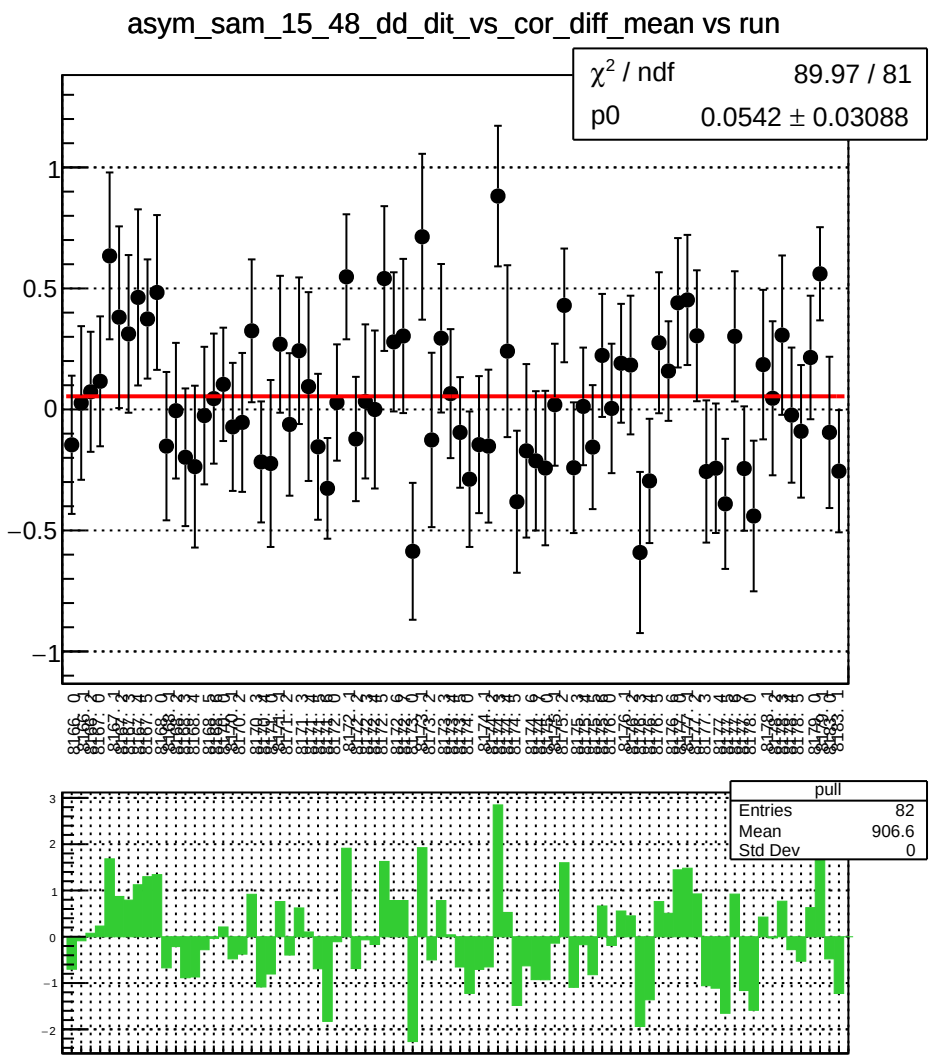

asym_sam_15_48_dd_mean vs run
χ² / ndf 83.98 / 81
p0 −1303 ± 1052
pull
Entries 82
Mean −620.6
Std Dev 0
pull1D
Entries 82
Mean −0.001952
Std Dev 1.012

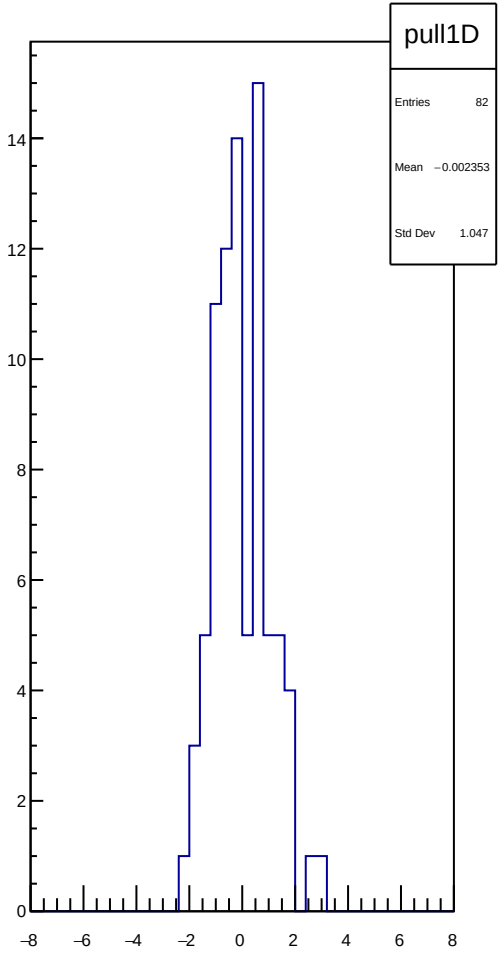

asym_sam_15_48_dd_rms vs run
χ² / ndf 1324 / 81
p0 935.3 ± 0.7437
1040
1020
1000
980
960
940
920
900
880
860
840

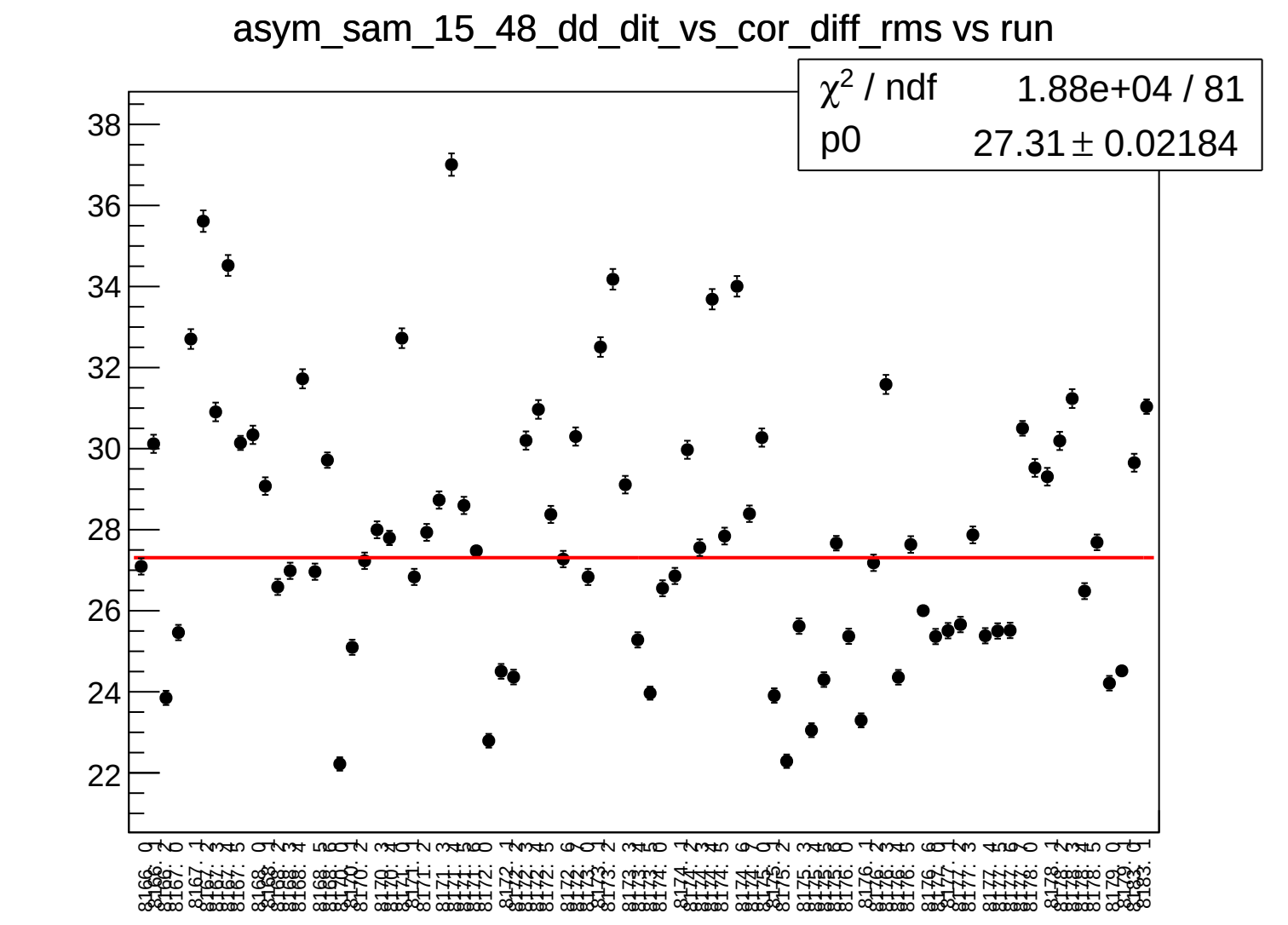

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 82.36 / 81
p0 −4.622e−15 ± 7.275e−14
pull
Entries 82
Mean −32.39
Std Dev 0

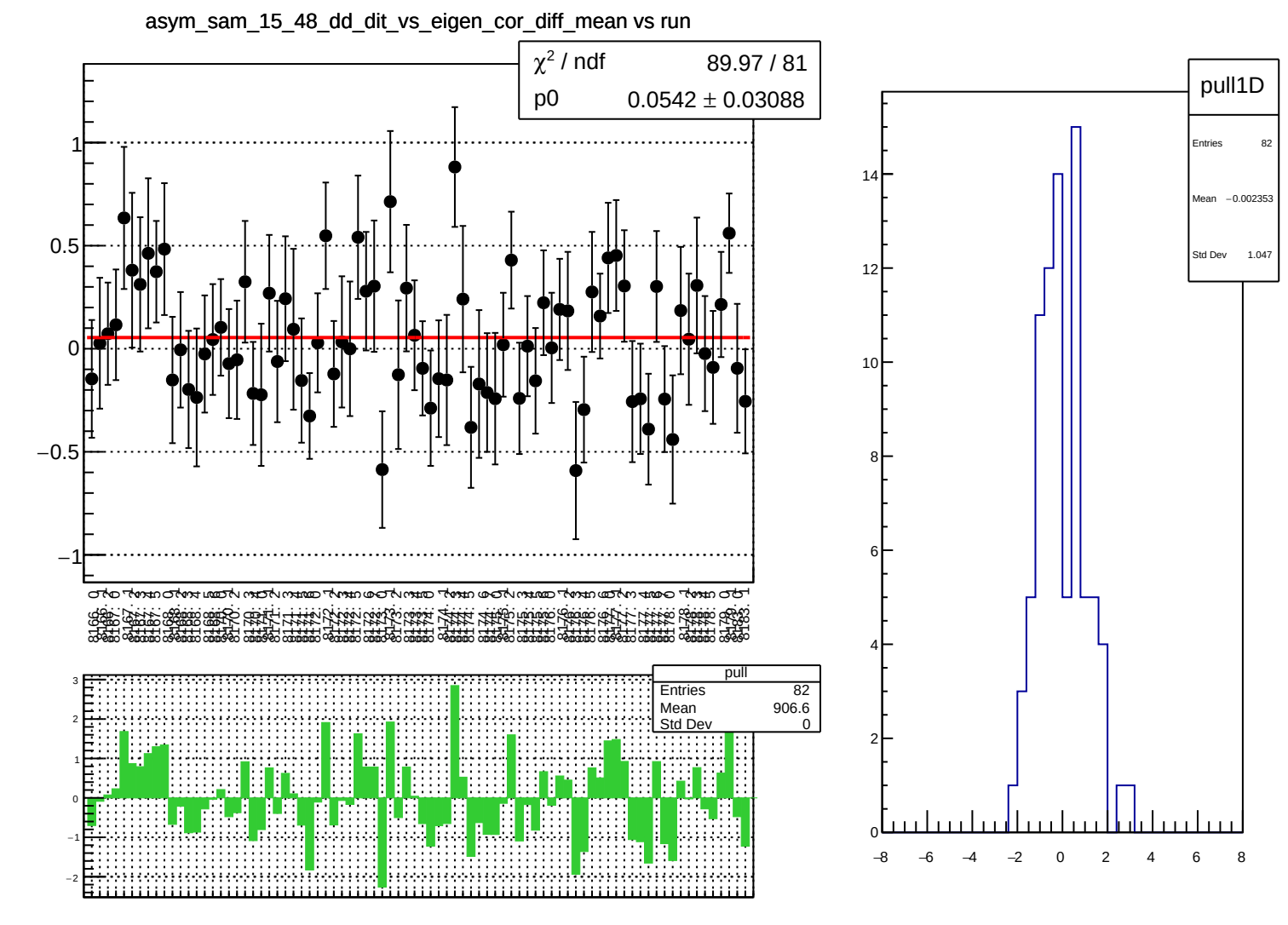

pull1D
Entries 82
Mean 0.06127
Std Dev 1

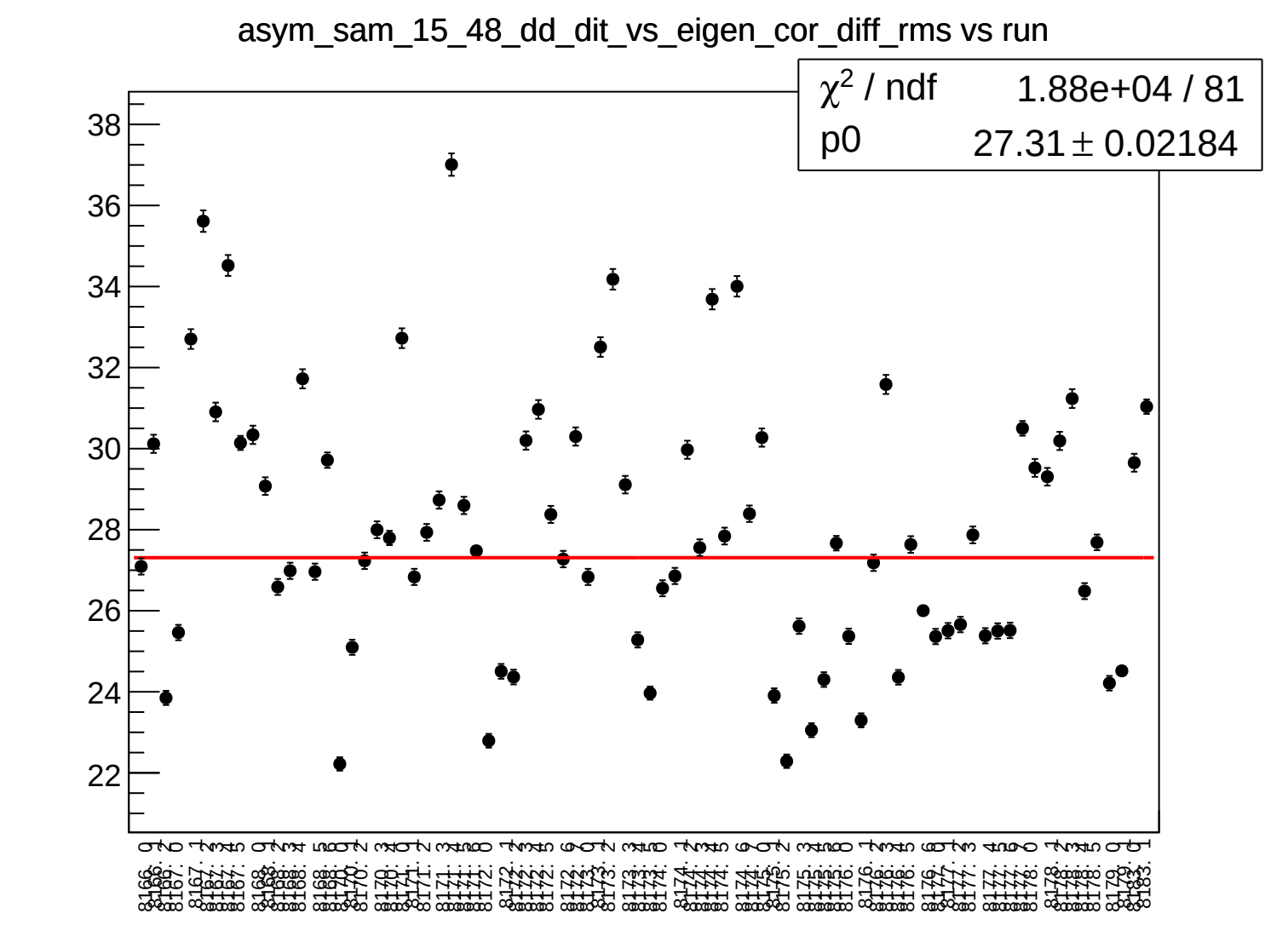

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.575e+05 / 81
p0 4.381e−11 ± 5.144e−14
0.025
0.02
0.015
0.01
0.005
0

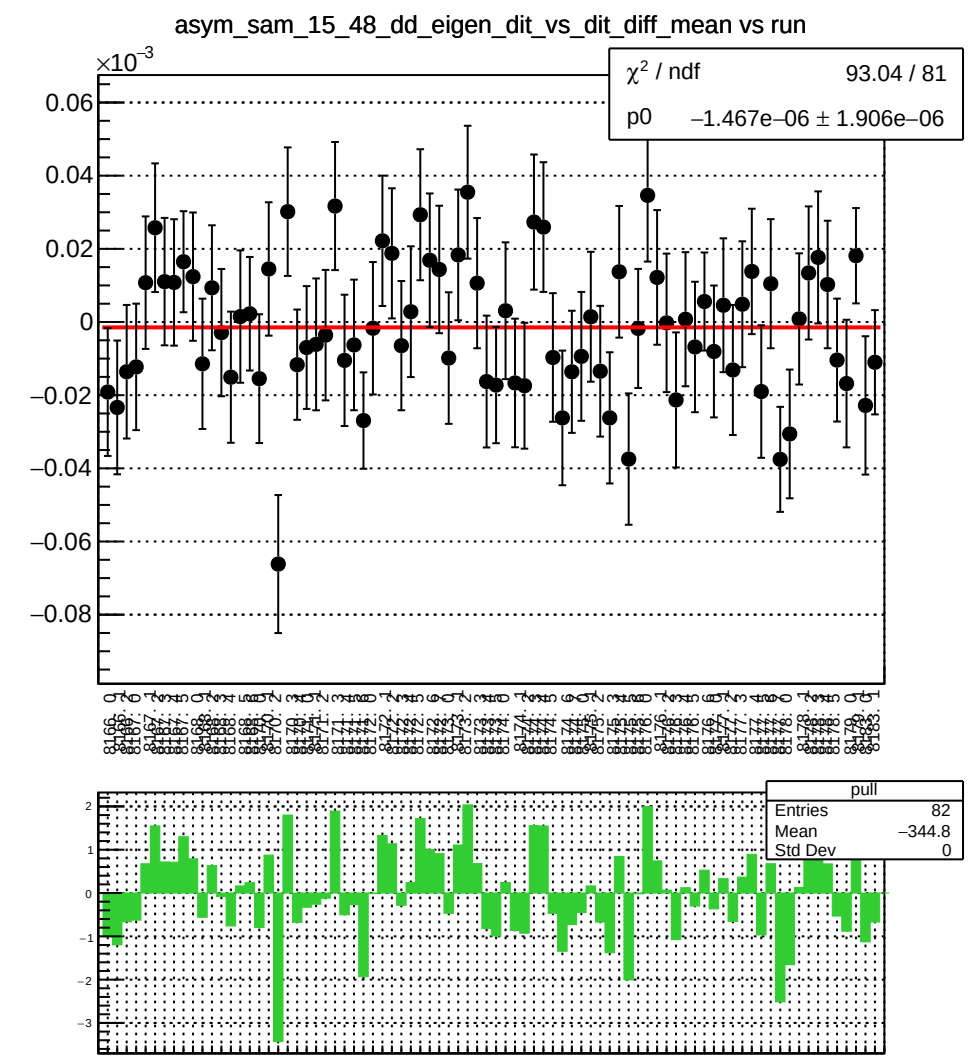

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 89.97 / 81
p0 0.0542 ± 0.03088
pull
Entries 82
Mean 906.6
Std Dev 0

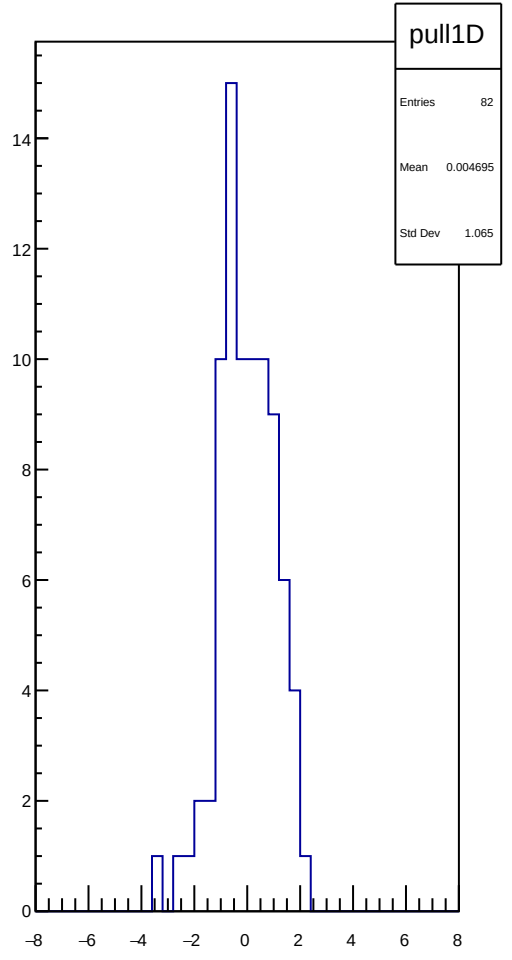

pull1D
Entries 82
Mean −0.002353
Std Dev 1.047

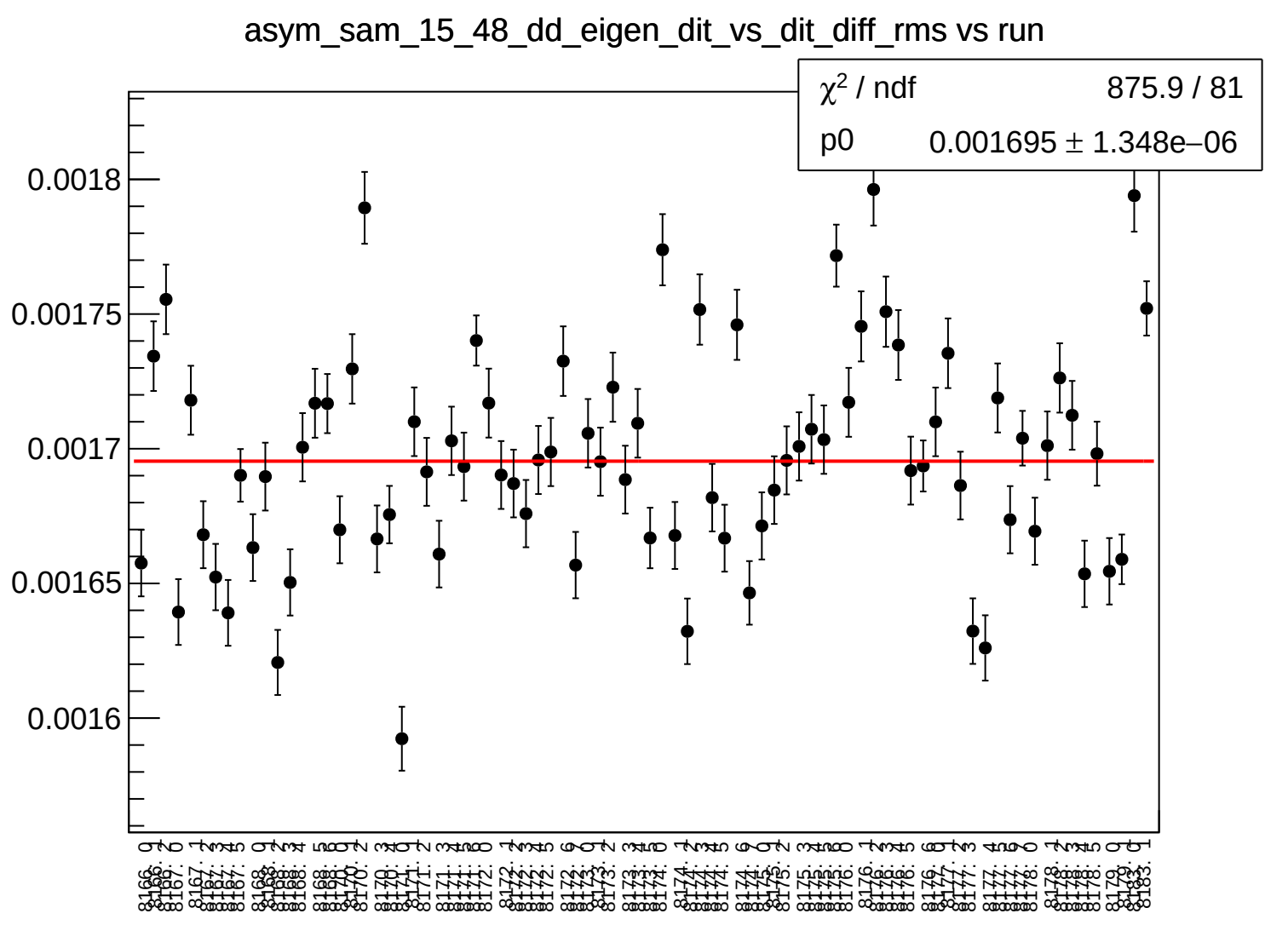

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.88e+04 / 81
p0 27.31 ± 0.02184
38
36
34
32
30
28
26
24
22

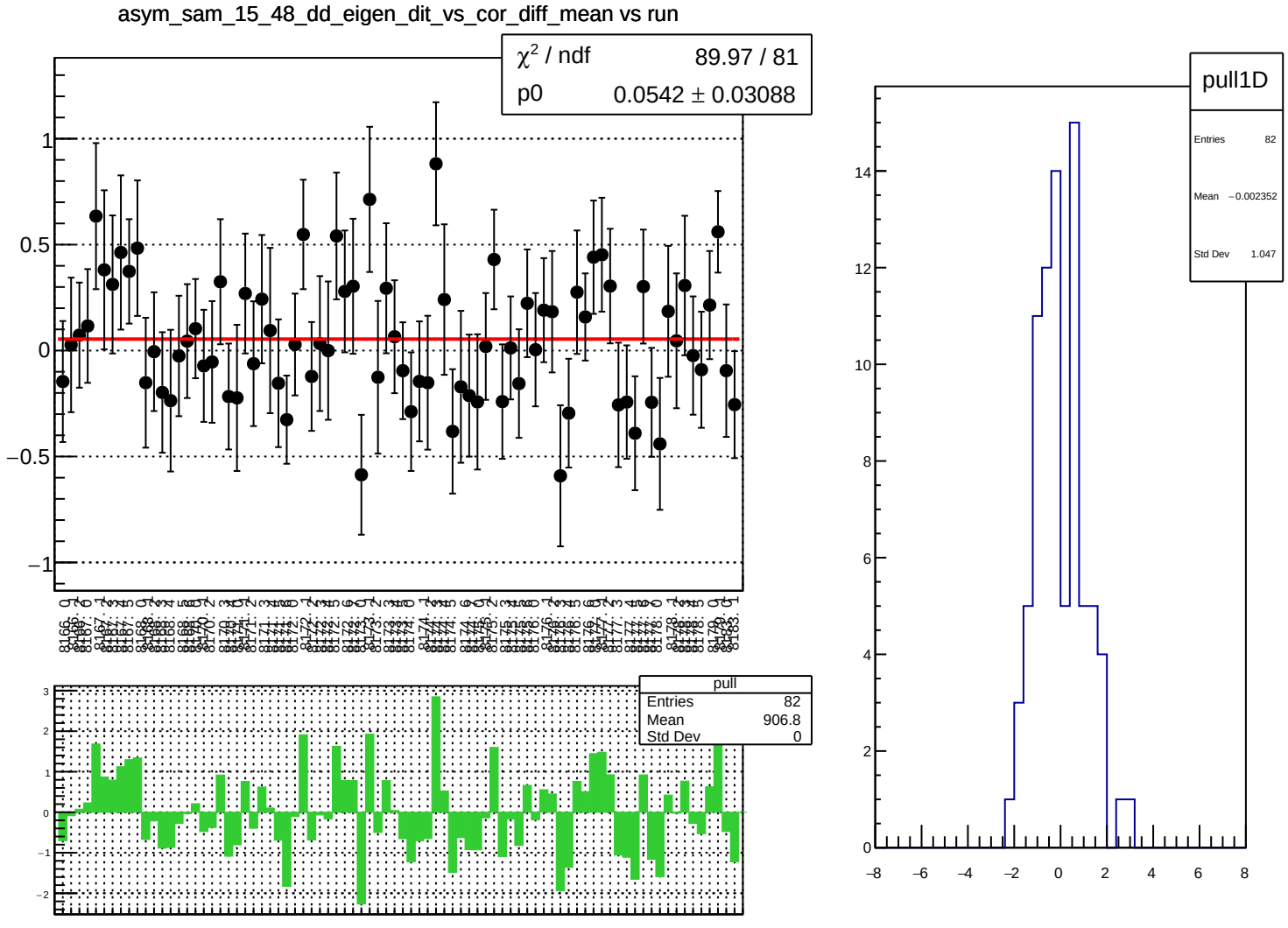

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.97 / 81
p0 0.0542 ± 0.03088
pull
Entries 82
Mean 906.6
Std Dev 0
pull1D
Entries 82
Mean −0.002353
Std Dev 1.047

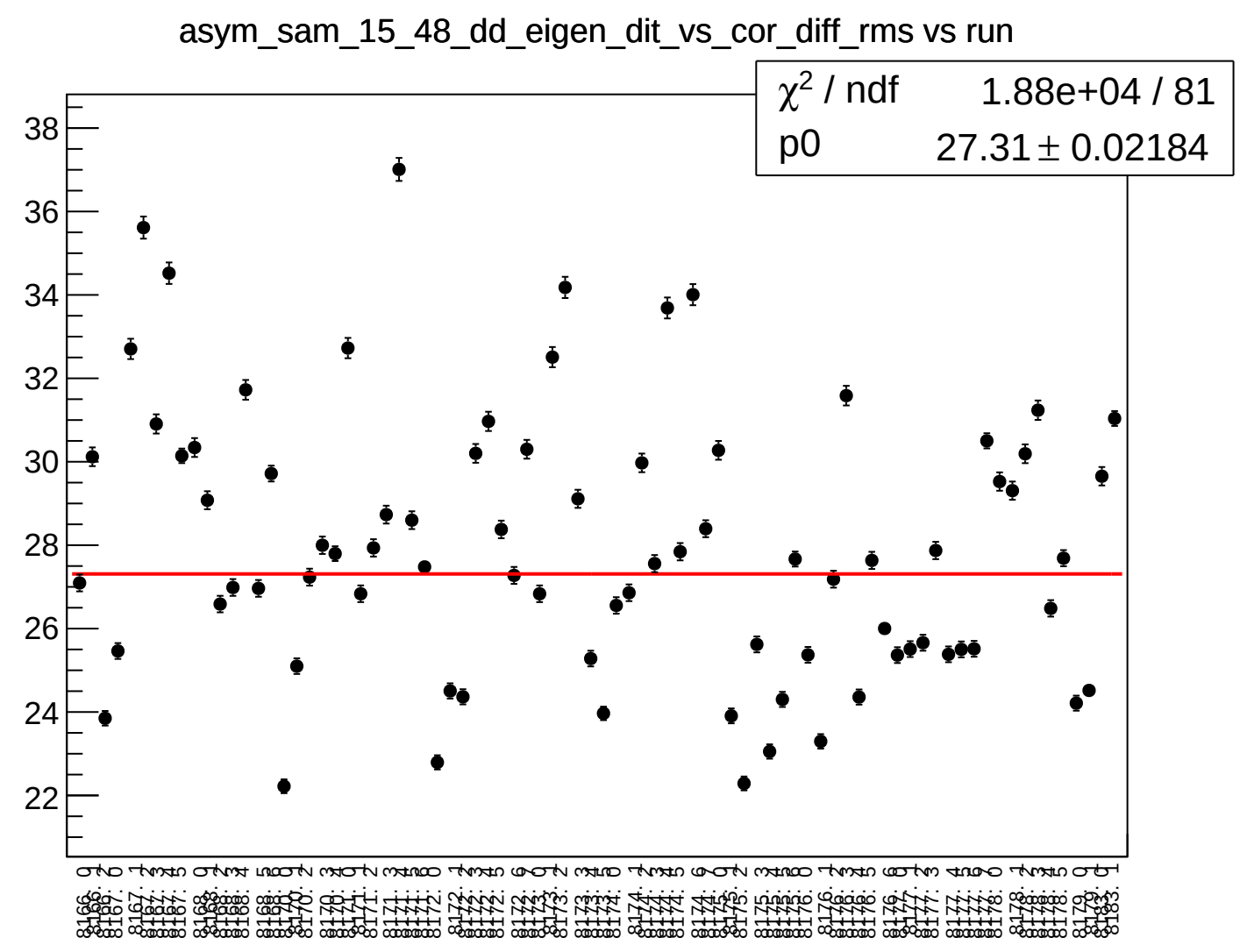

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.88e+04 / 81
p0 27.31 ± 0.02184
38
36
34
32
30
28
26
24
22

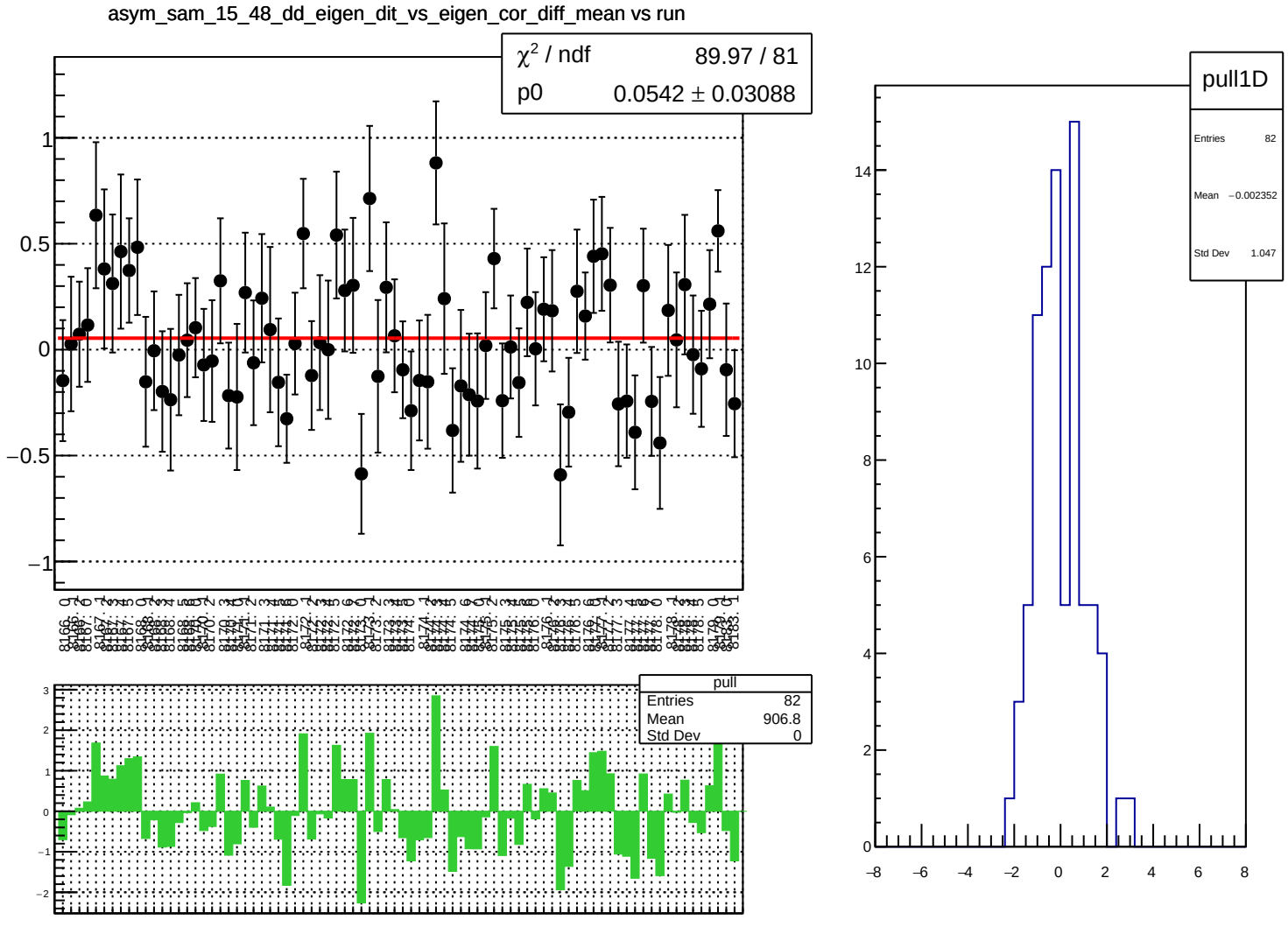

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 93.04 / 81
p0 −1.467e−06 ± 1.906e−06
pull
Entries 82
Mean −344.8
Std Dev 0

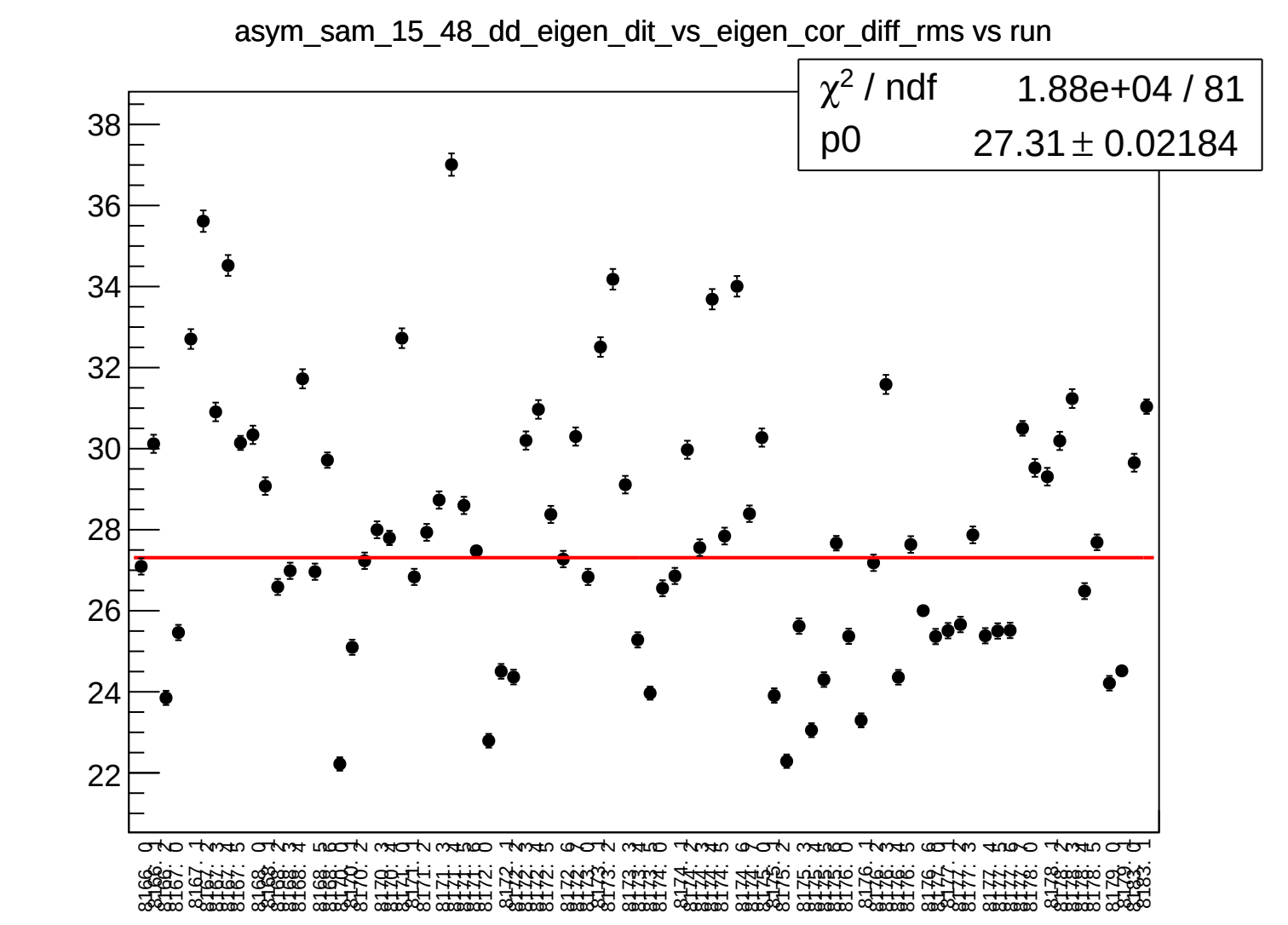

pull1D
Entries 82
Mean 0.004695
Std Dev 1.065

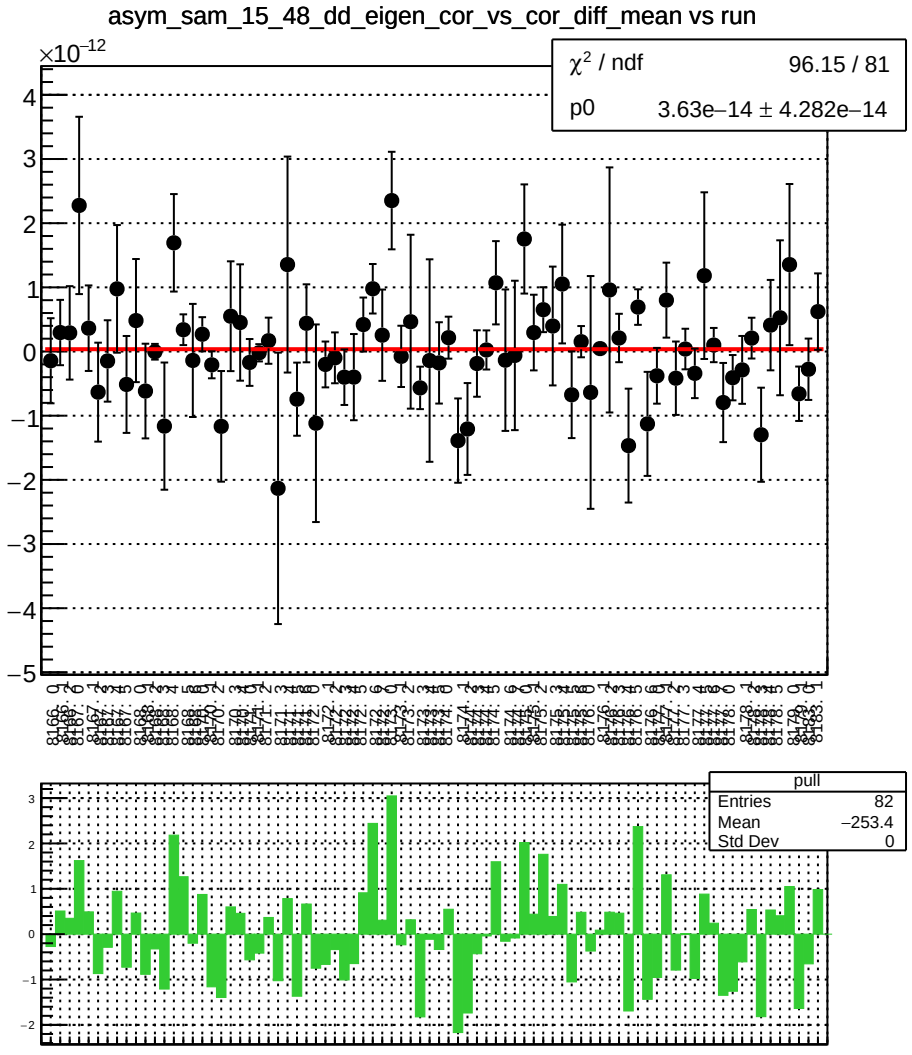

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 875.9 / 81
p0 0.001695 ± 1.348e−06
0.0018
0.00175
0.0017
0.00165
0.0016

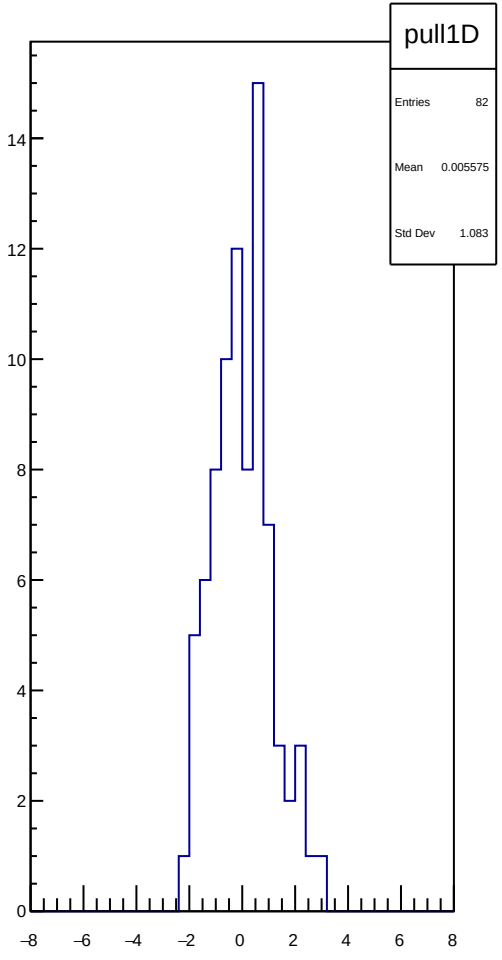

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.97 / 81
p0 0.0542 ± 0.03088
pull
Entries 82
Mean 906.8
Std Dev 0
pull1D
Entries 82
Mean −0.002352
Std Dev 1.047

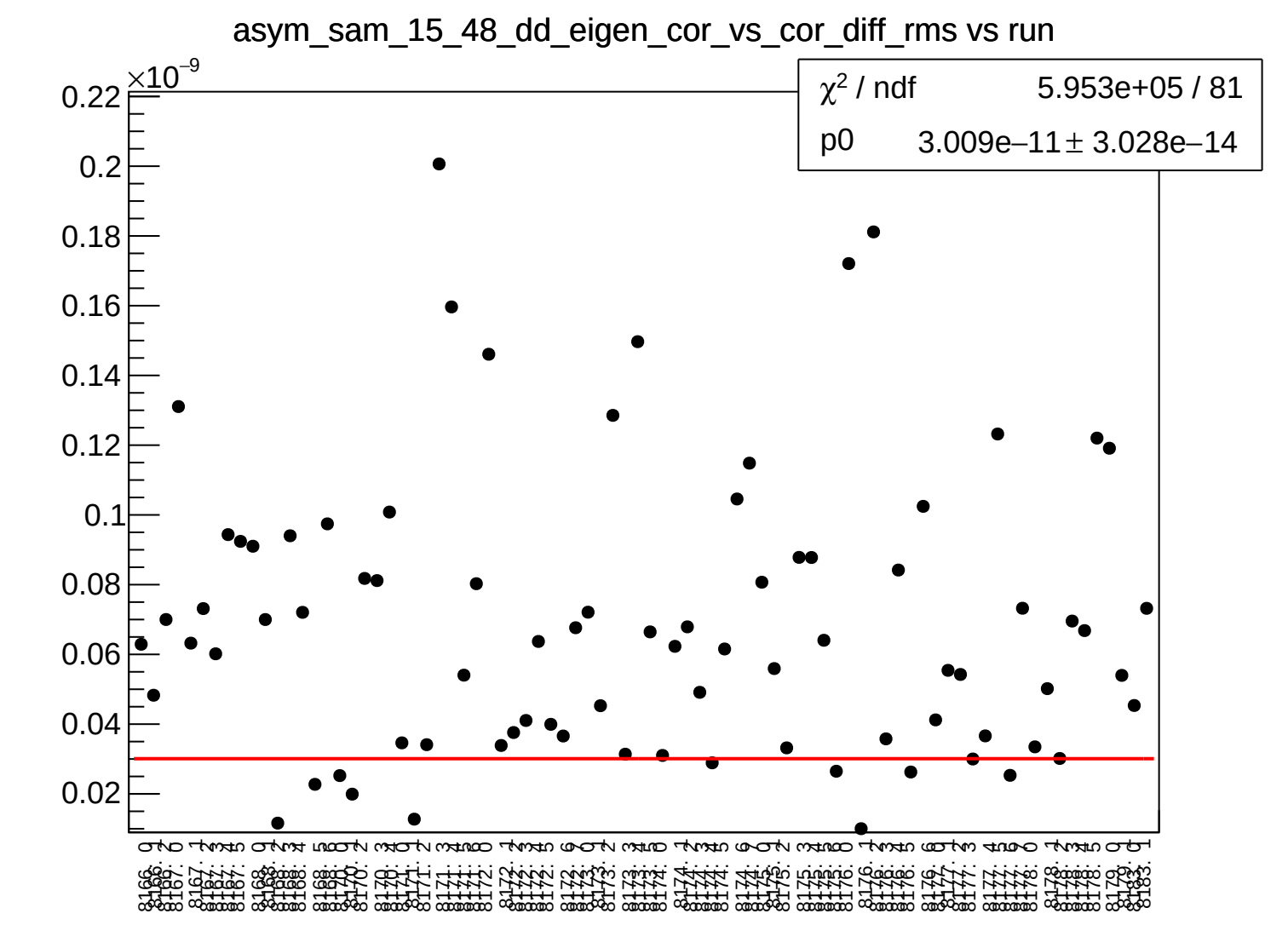

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.88e+04 / 81
p0 27.31 ± 0.02184
38
36
34
32
30
28
26
24
22

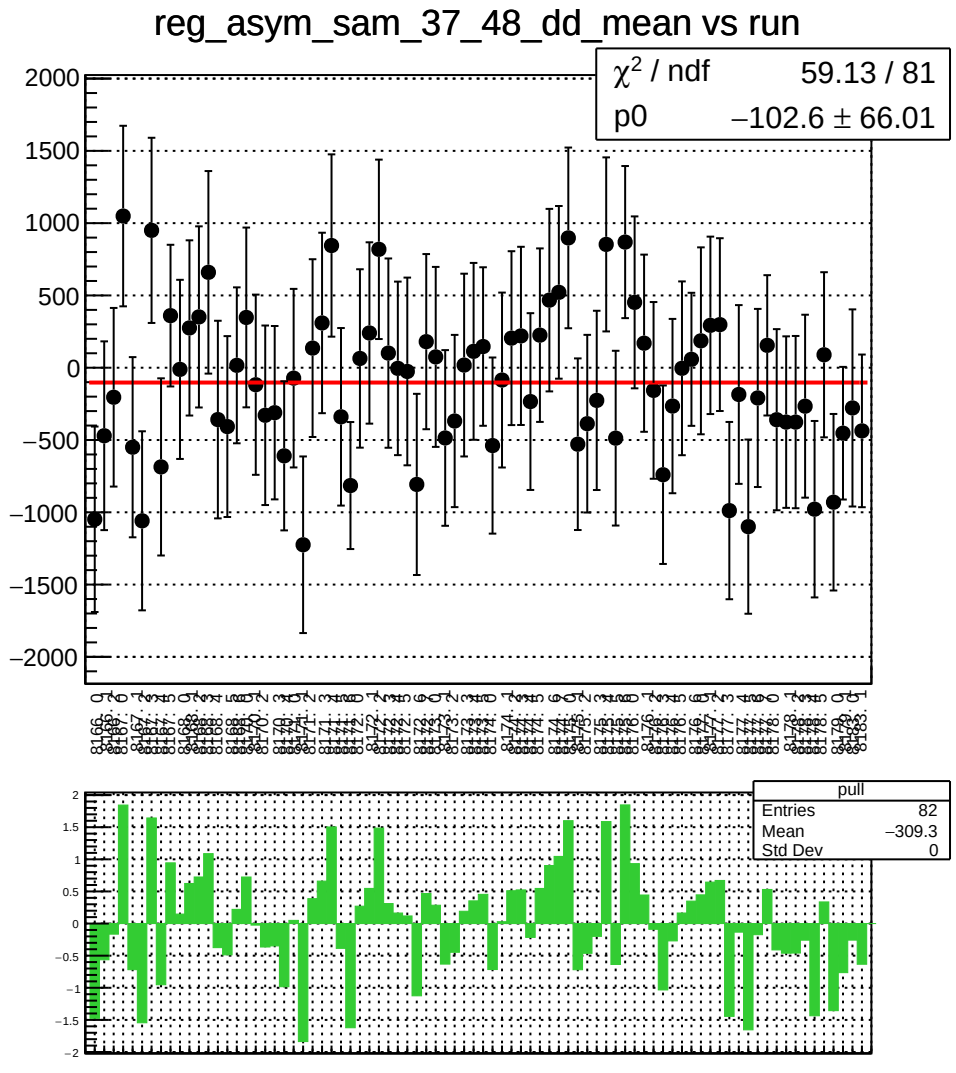

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.97 / 81
p0 0.0542 ± 0.03088
pull
Entries 82
Mean 906.8
Std Dev 0
pull1D
Entries 82
Mean −0.002352
Std Dev 1.047

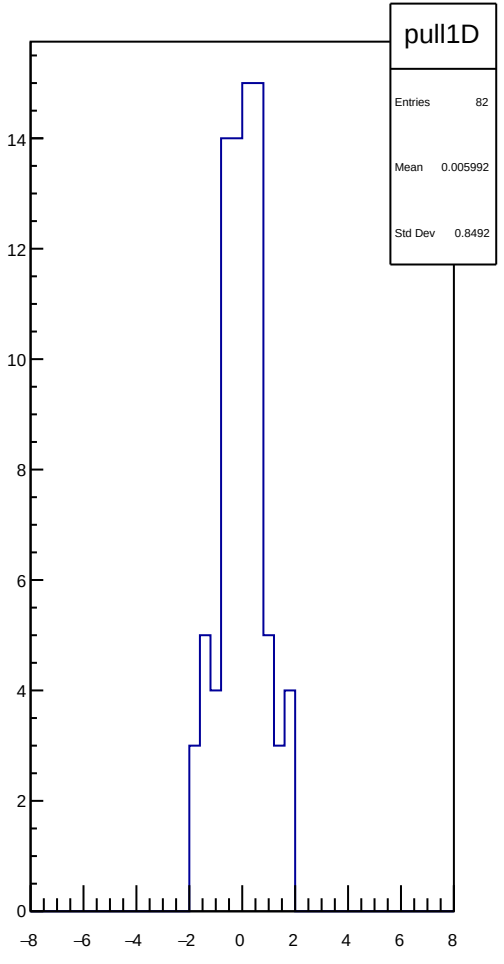

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.88e+04 / 81
p0 27.31 ± 0.02184
38
36
34
32
30
28
26
24
22

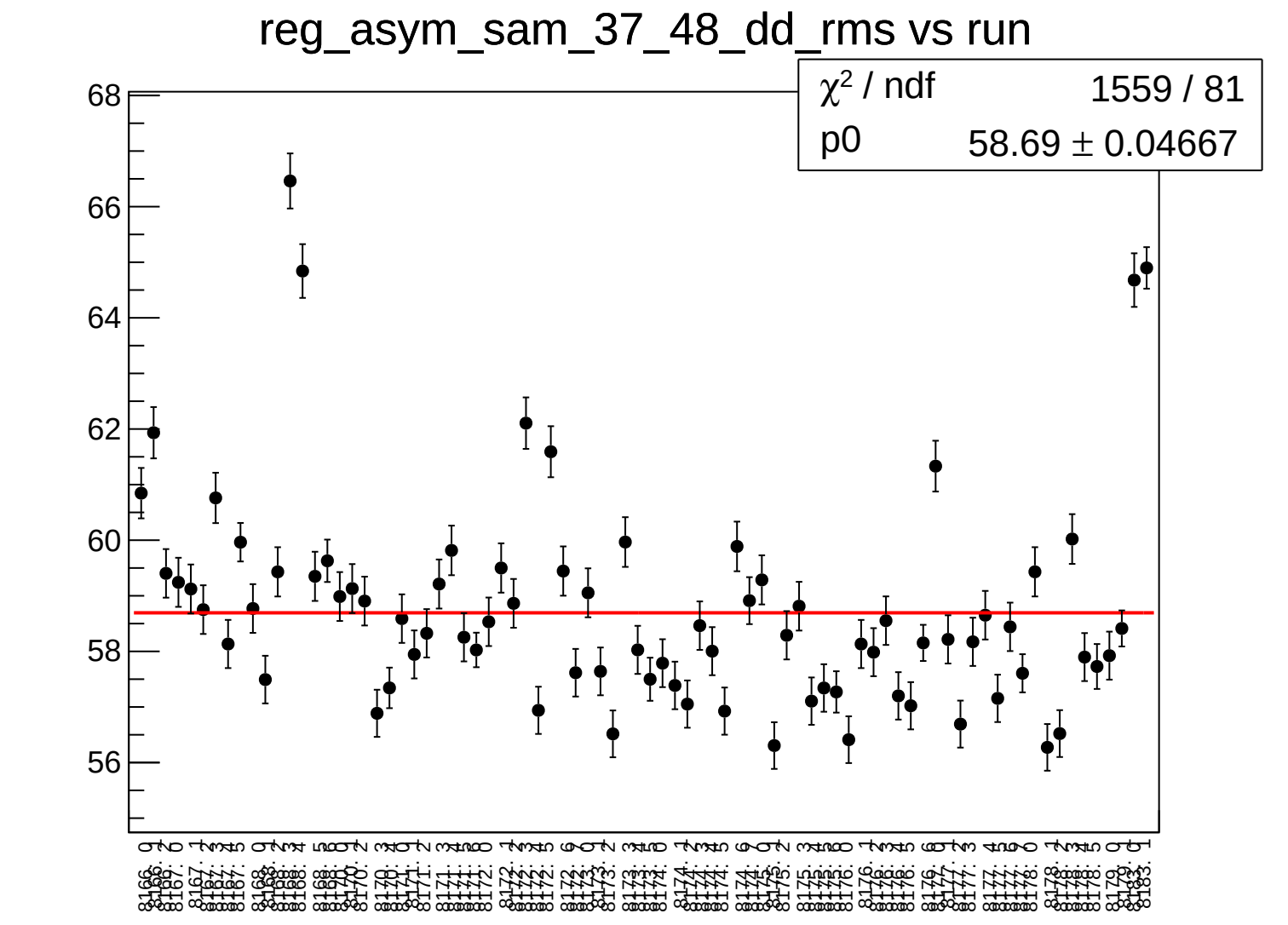

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 96.15 / 81
p0 3.63e−14 ± 4.282e−14
pull
Entries 82
Mean −253.4
Std Dev 0

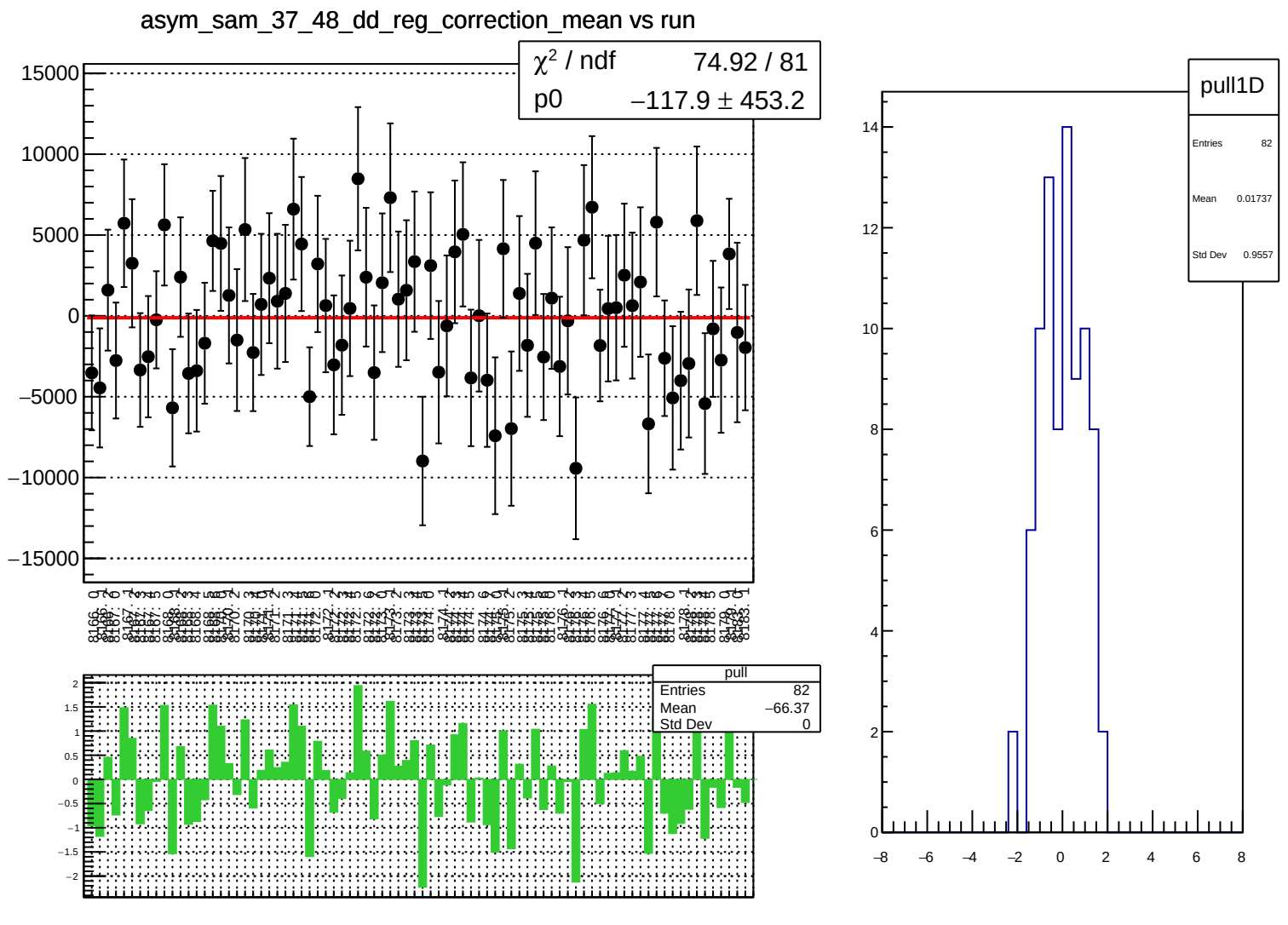

pull1D
Entries 82
Mean 0.005575
Std Dev 1.083

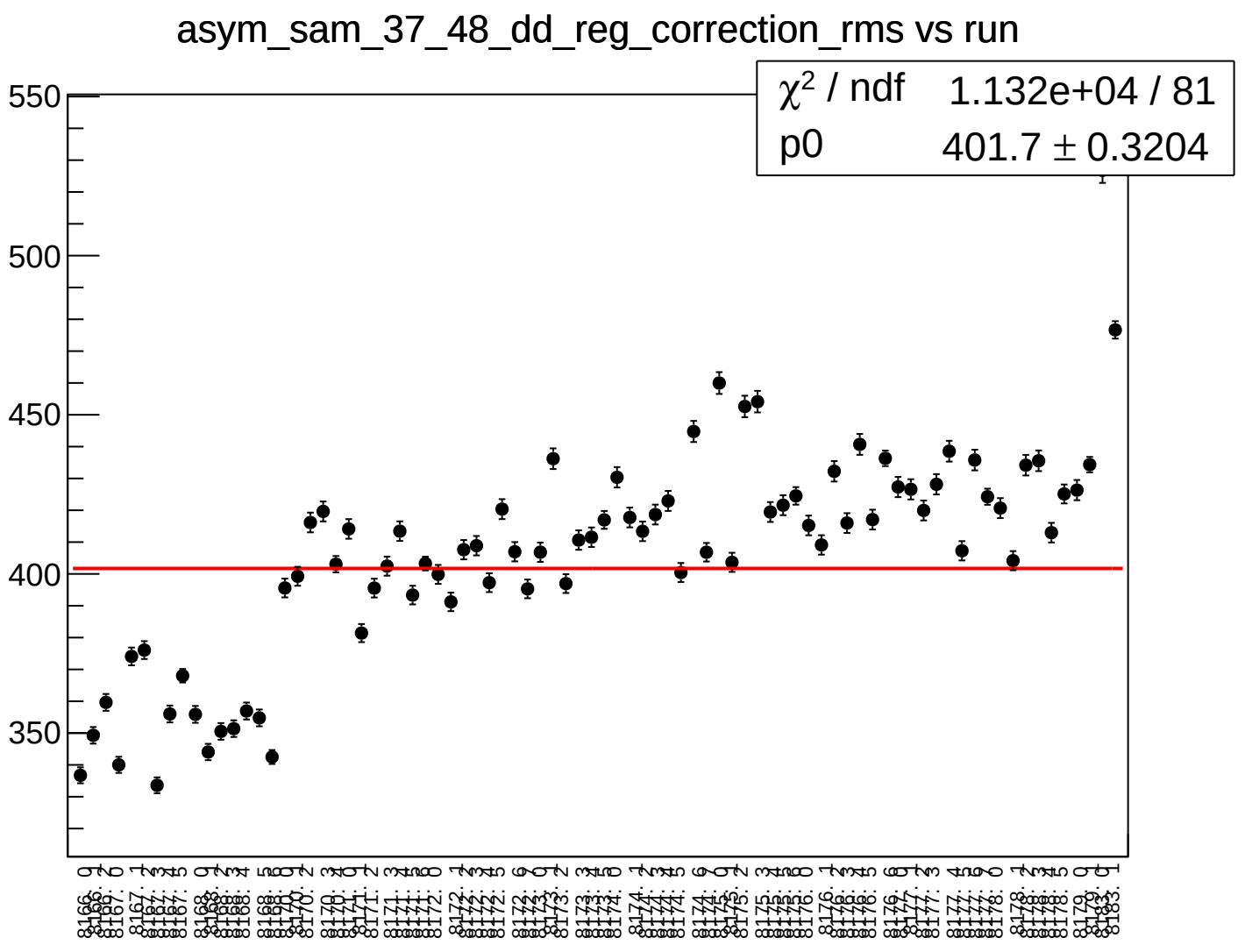

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.953e+05 / 81
p0 3.009e−11 ± 3.028e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

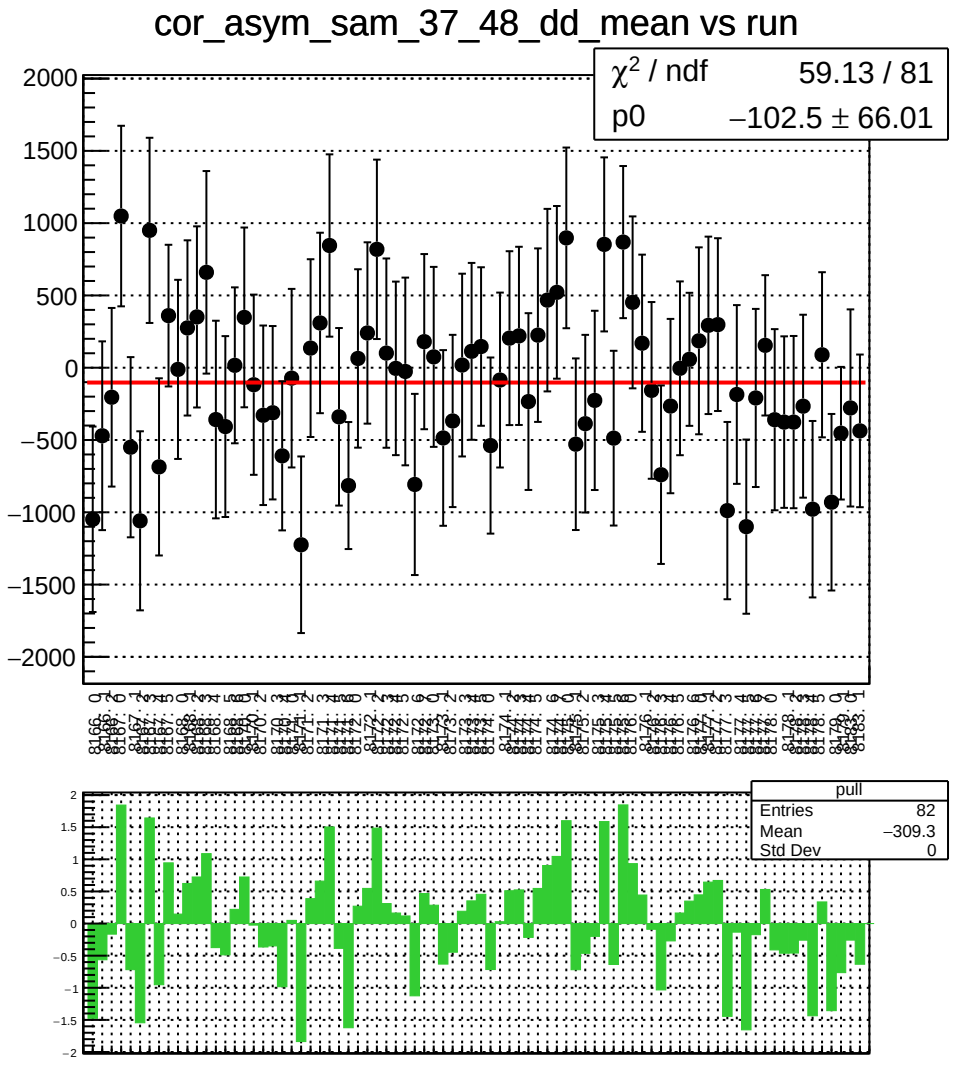

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 59.13 / 81
p0 −102.6 ± 66.01
pull
Entries 82
Mean −309.3
Std Dev 0

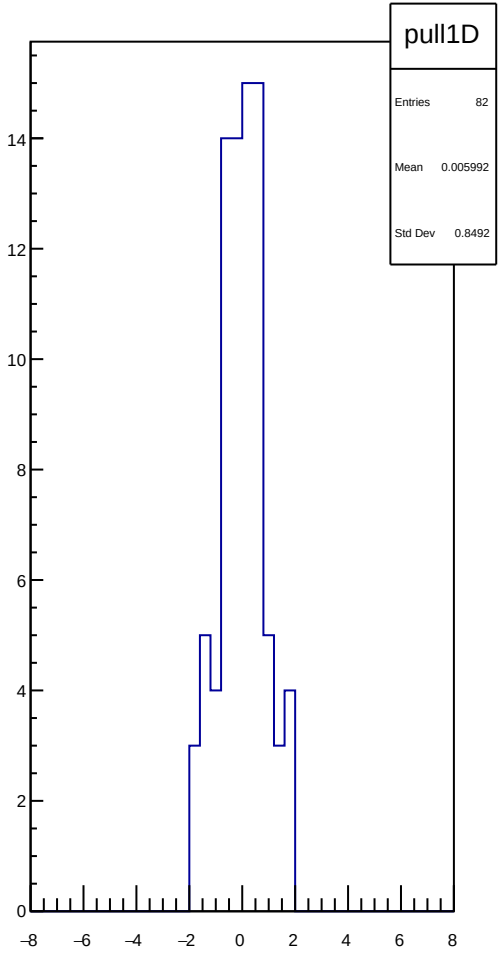

pull1D
Entries 82
Mean 0.005992
Std Dev 0.8492

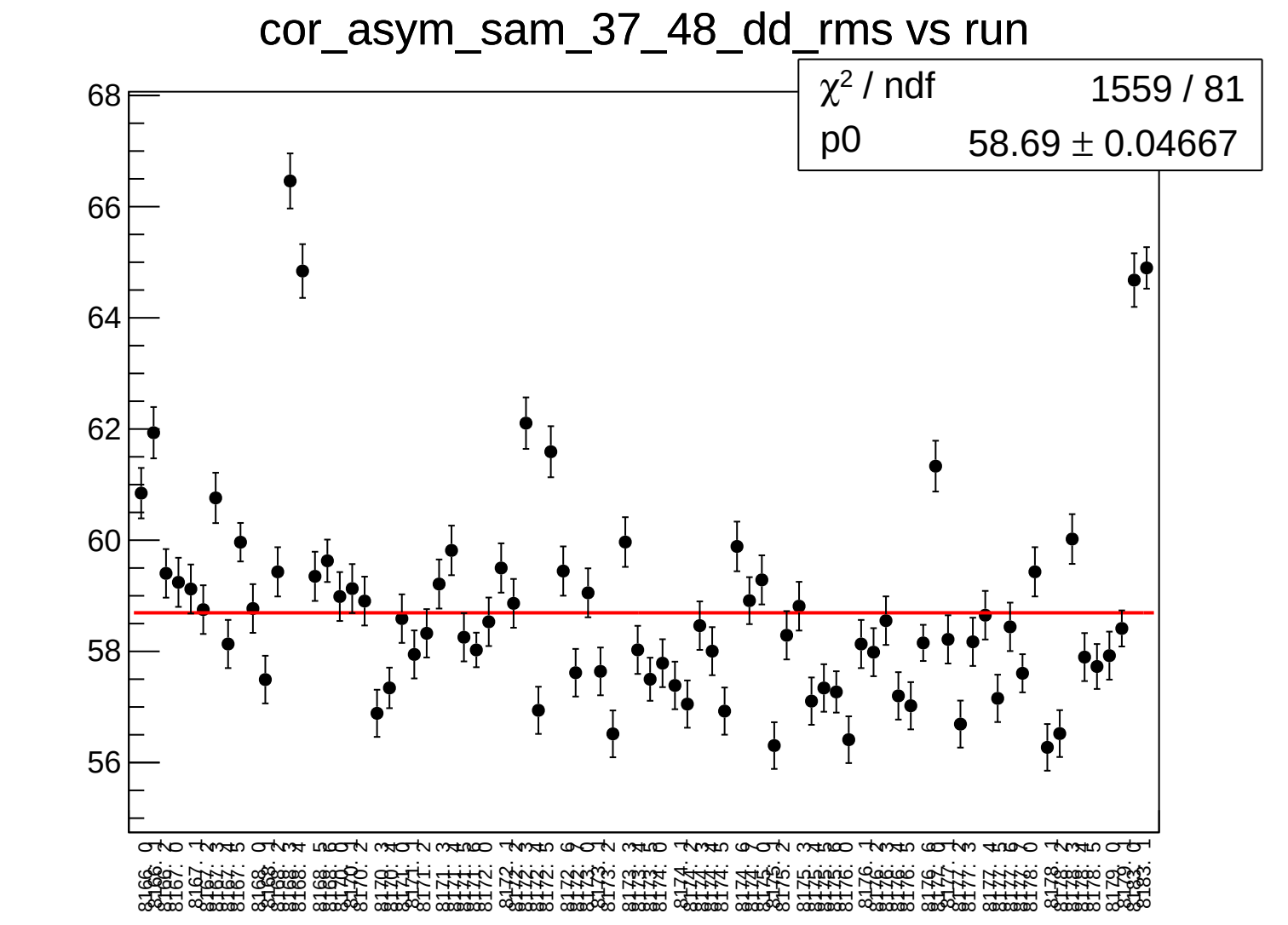

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1559 / 81
p0 58.69 ± 0.04667
68
66
64
62
60
58
56

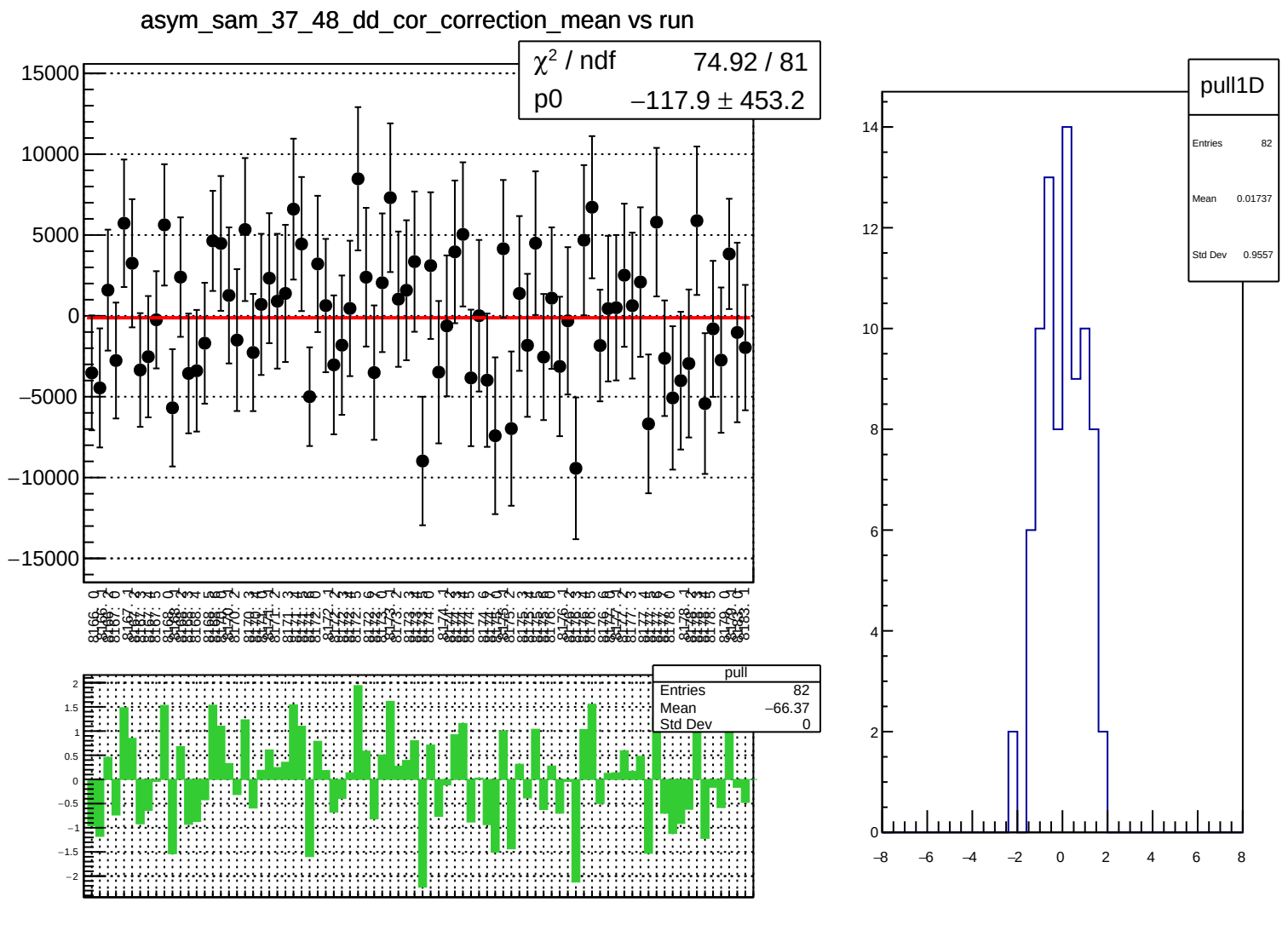

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 74.92 / 81
p0 −117.9 ± 453.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −66.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01737
Std Dev 0.9557
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

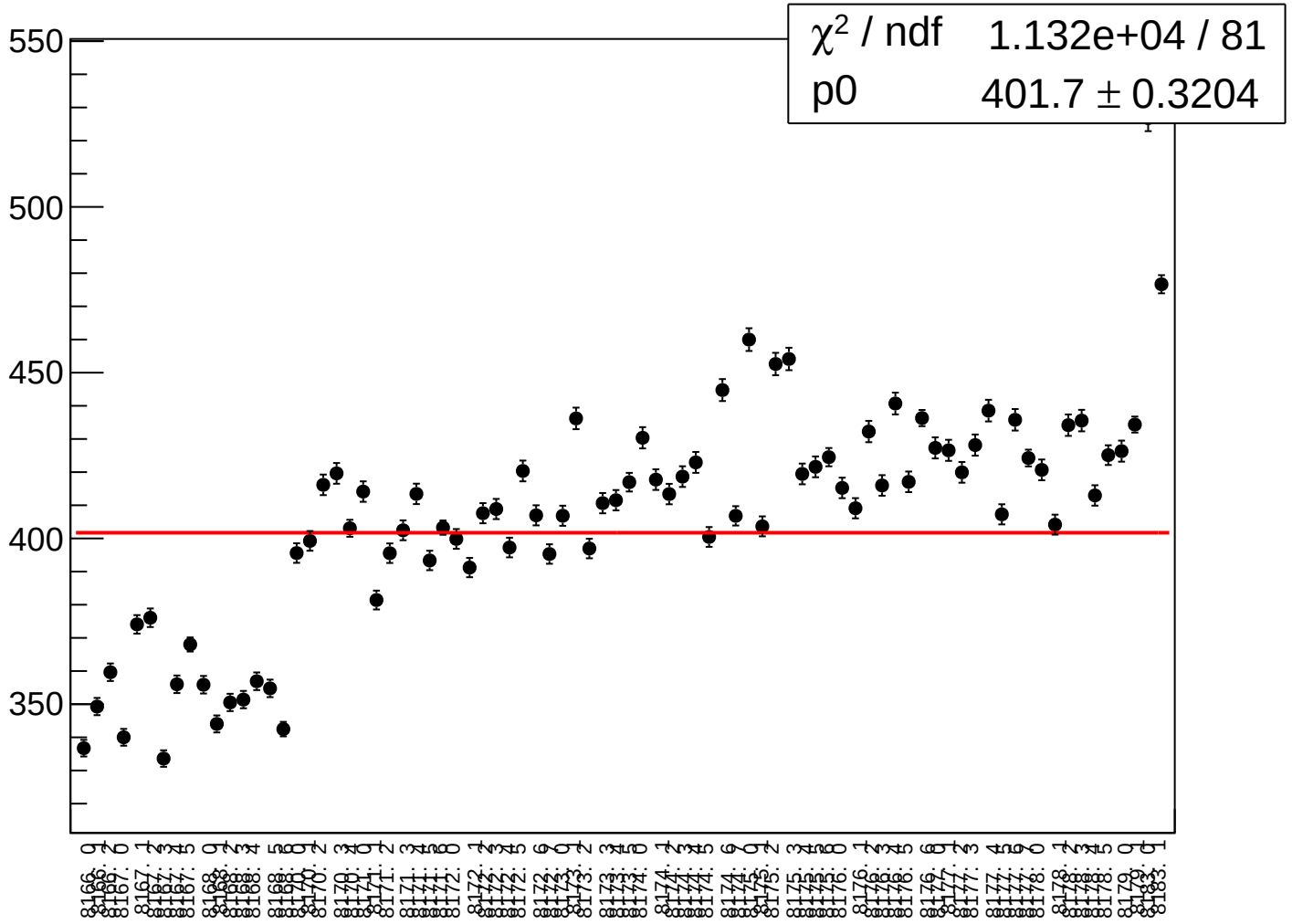

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1.132e+04 / 81
p0 401.7 ± 0.3204
550
500
450
400
350

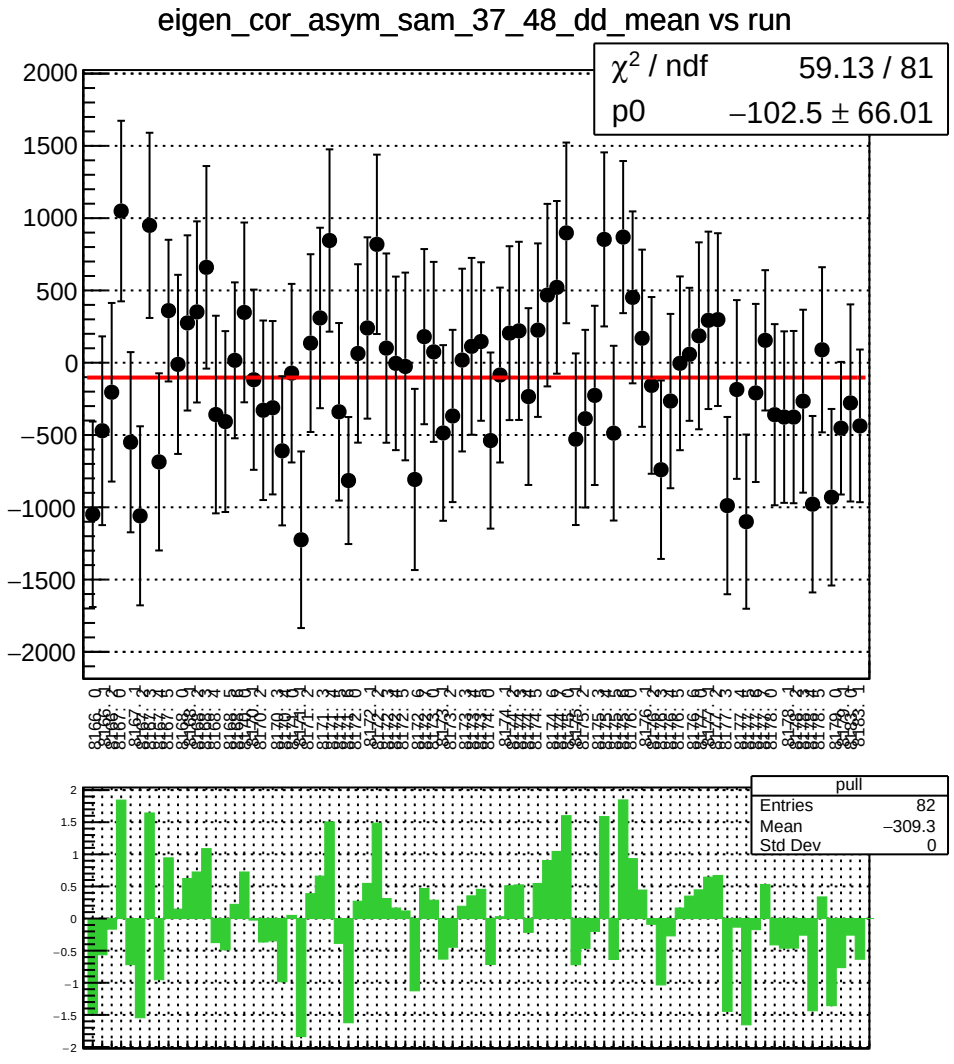

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 59.13 / 81
p0 −102.5 ± 66.01
pull
Entries 82
Mean −309.3
Std Dev 0

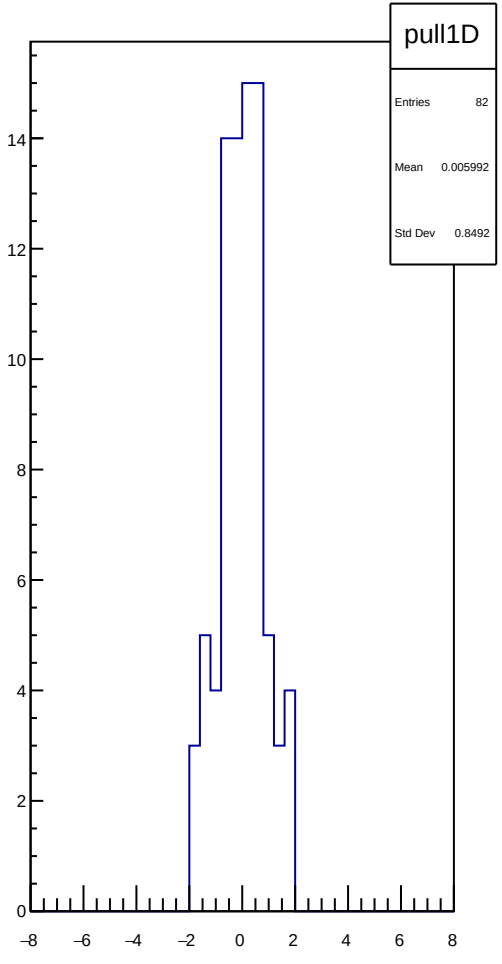

pull1D
Entries 82
Mean 0.005992
Std Dev 0.8492

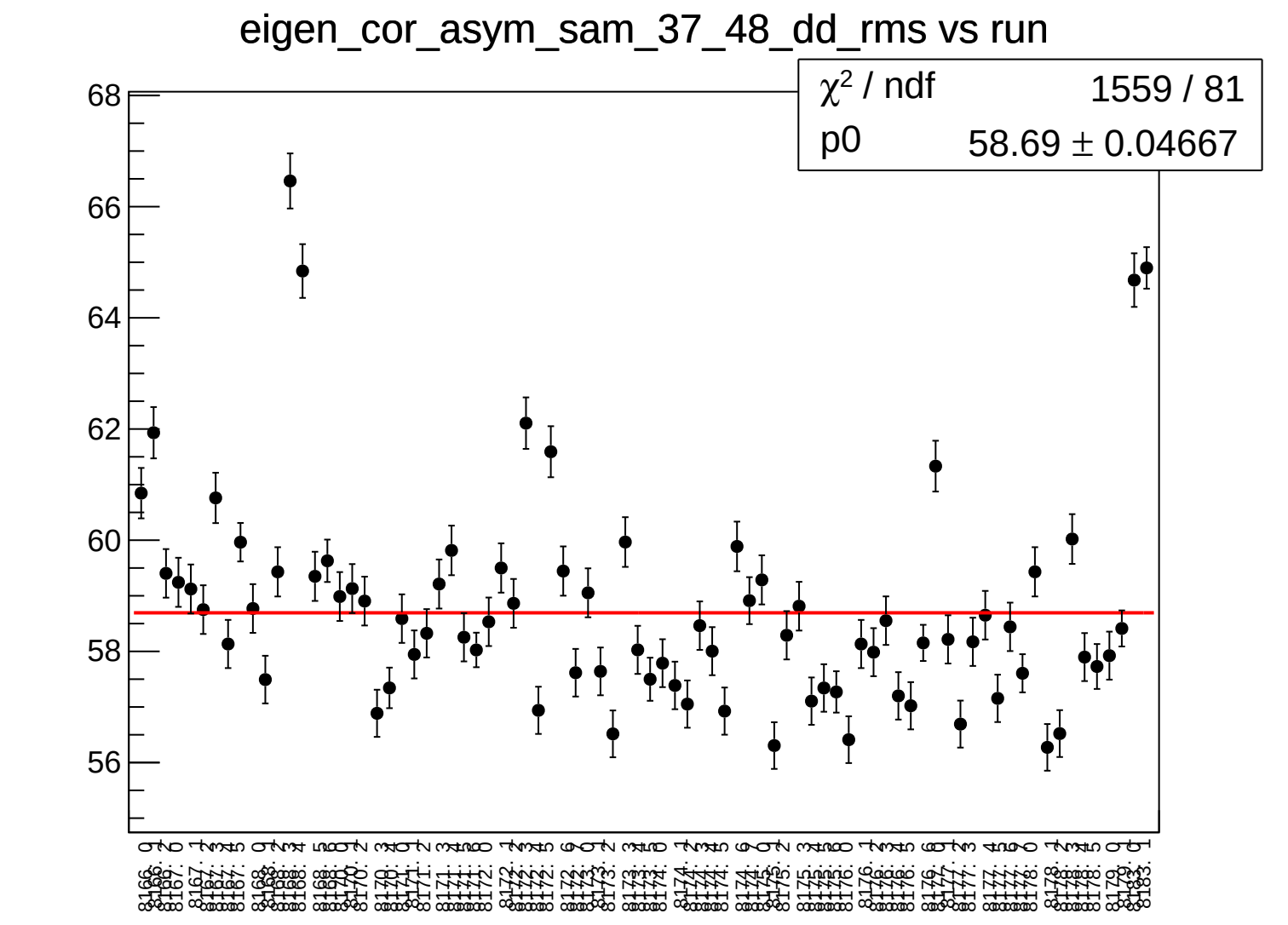

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1559 / 81
p0 58.69 ± 0.04667
68
66
64
62
60
58
56

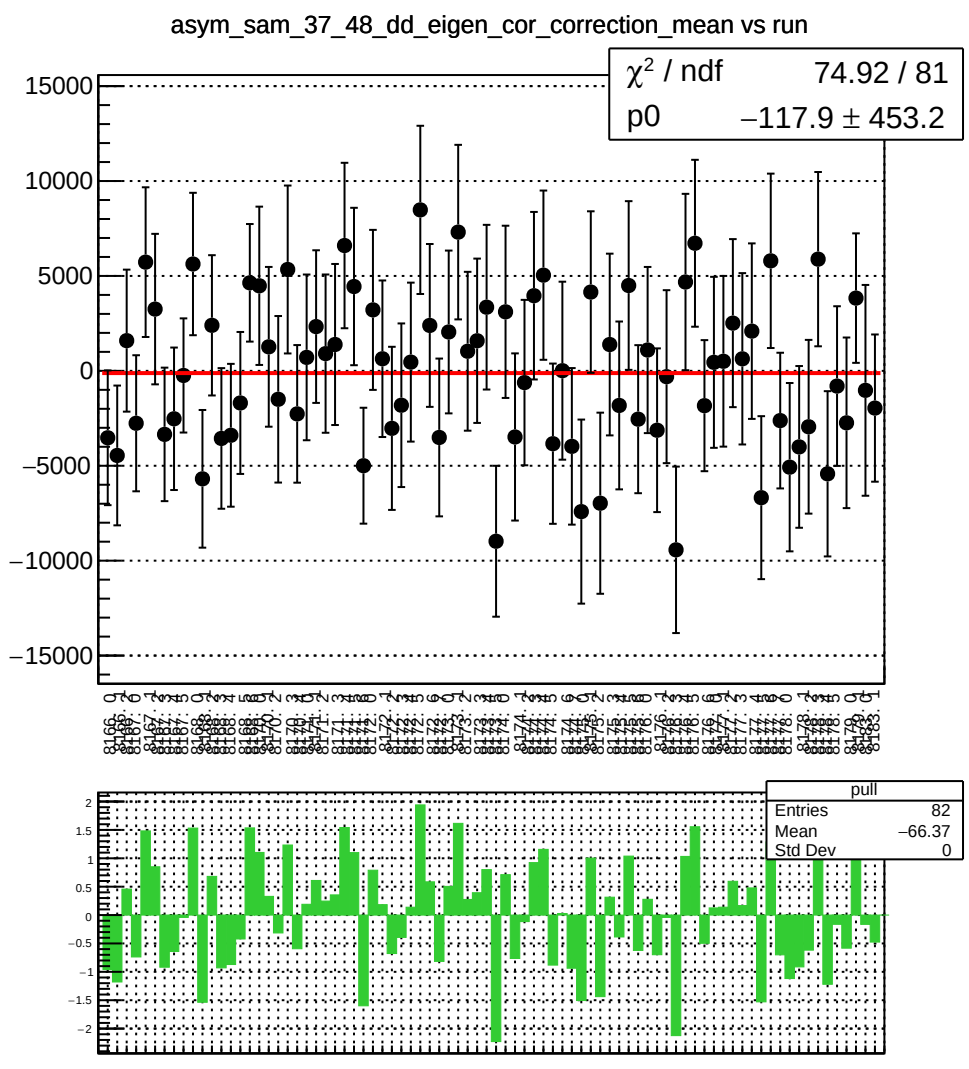

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 74.92 / 81
p0 −117.9 ± 453.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −66.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01737
Std Dev 0.9557
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

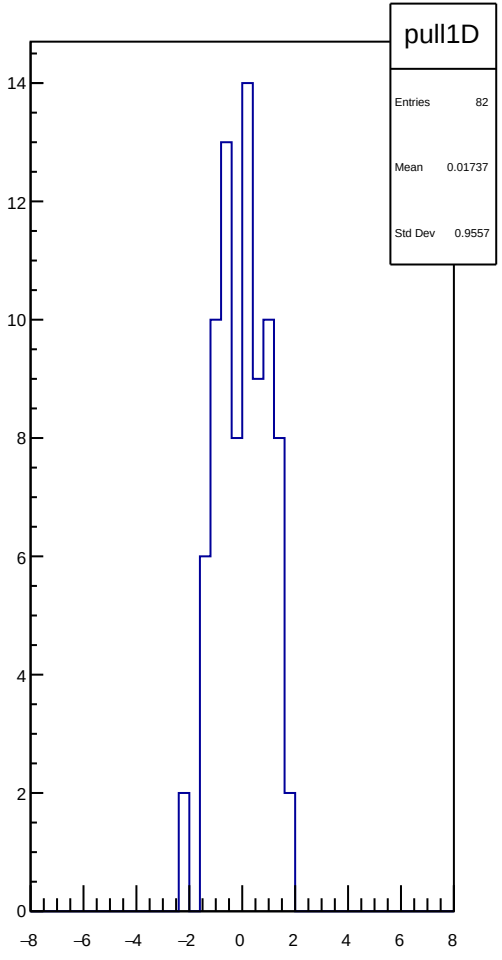

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1.132e+04 / 81
p0 401.7 ± 0.3204
550
500
450
400
350

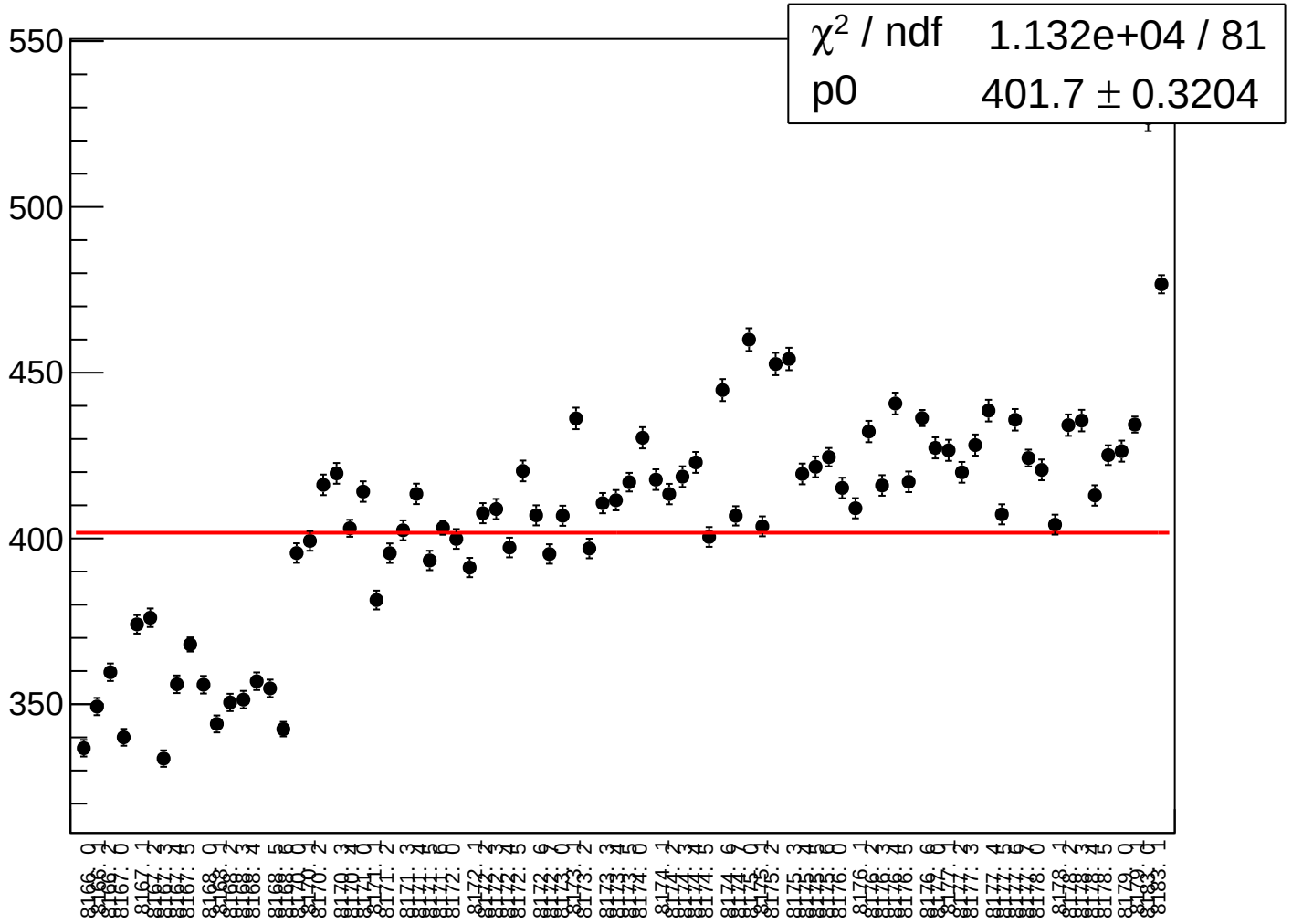

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 59.13 / 81
p0 −102.5 ± 66.01
pull
Entries 82
Mean −309.3
Std Dev 0

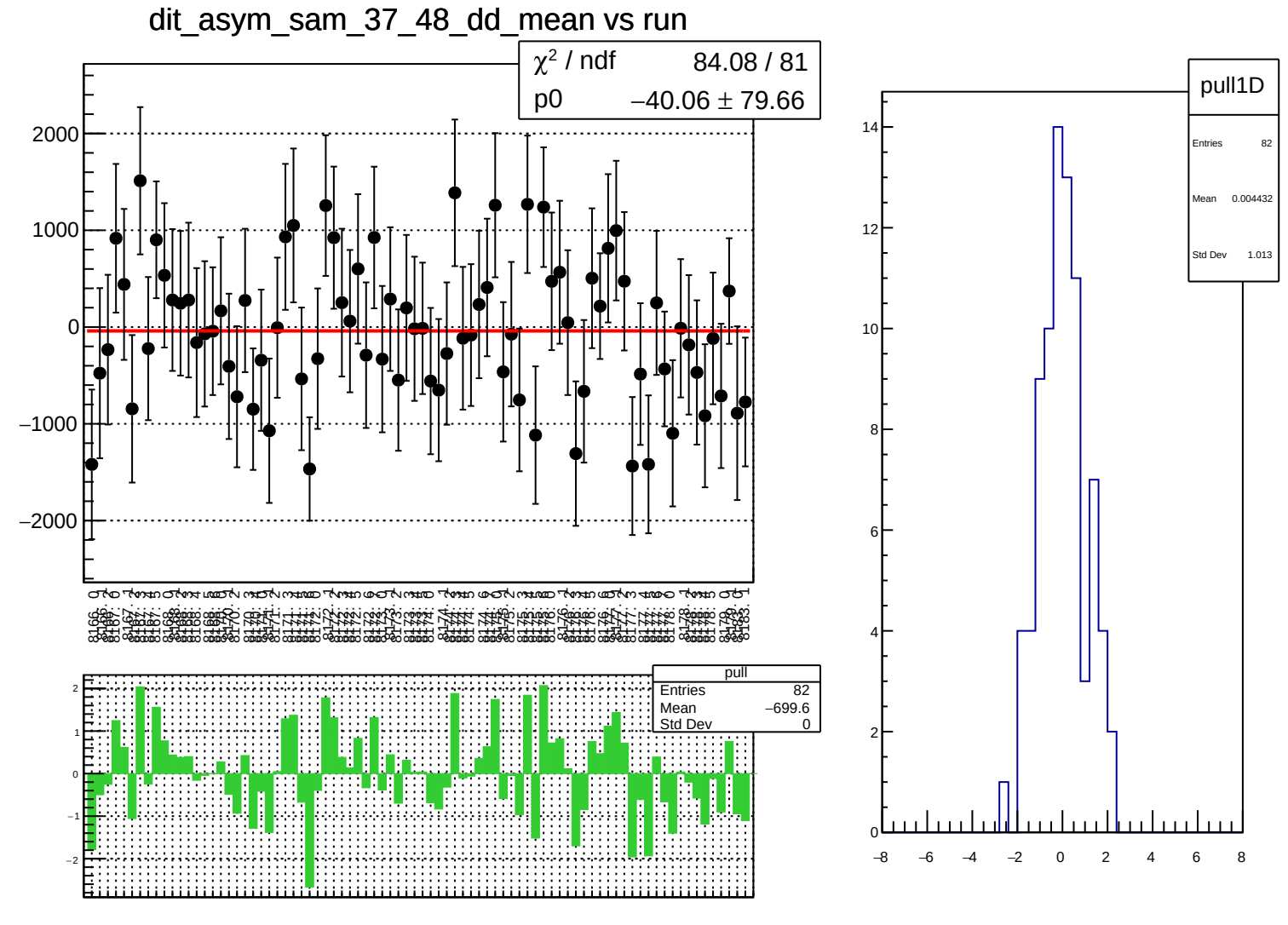

pull1D
Entries 82
Mean 0.005992
Std Dev 0.8492

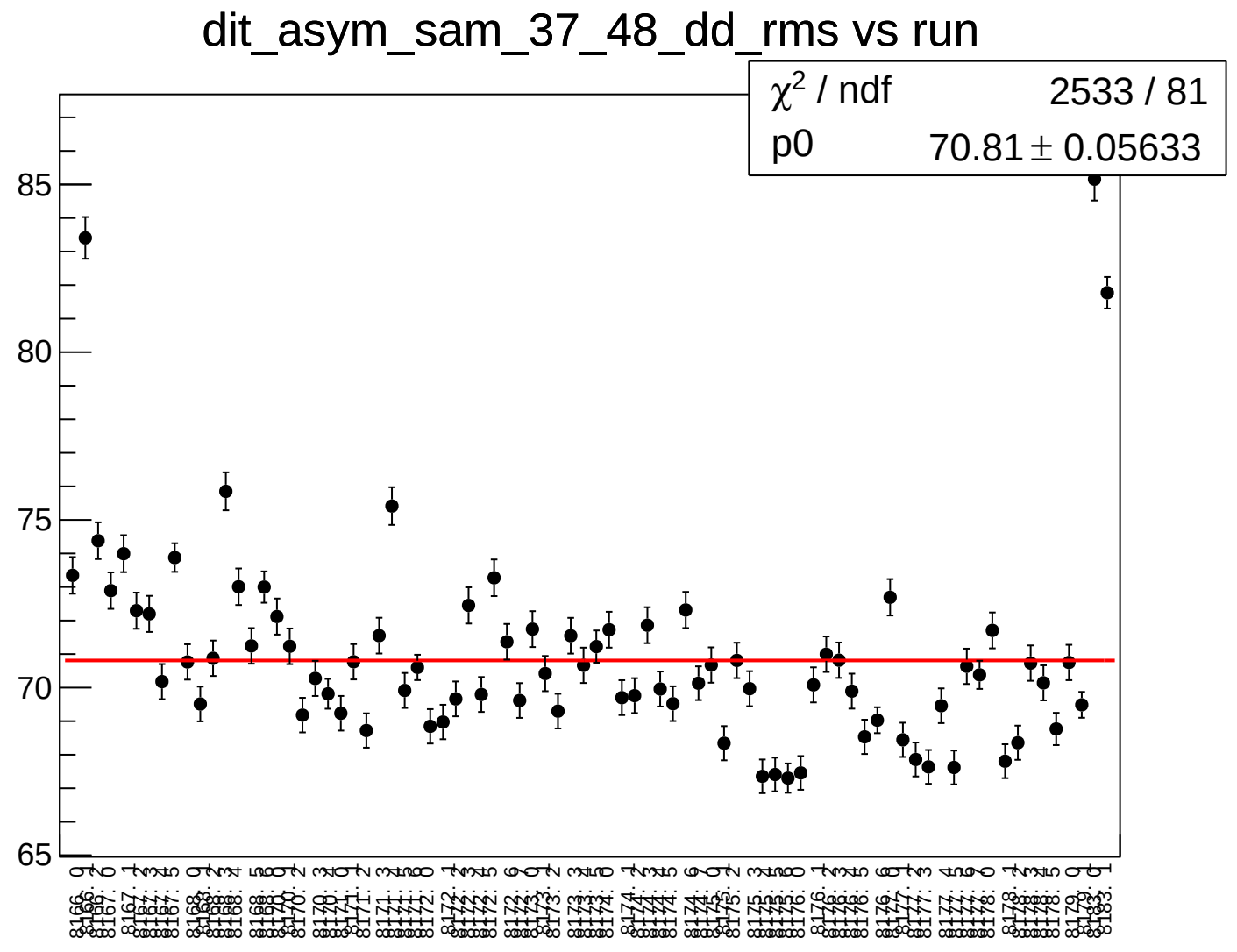

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1559 / 81
p0 58.69 ± 0.04667
68
66
64
62
60
58
56

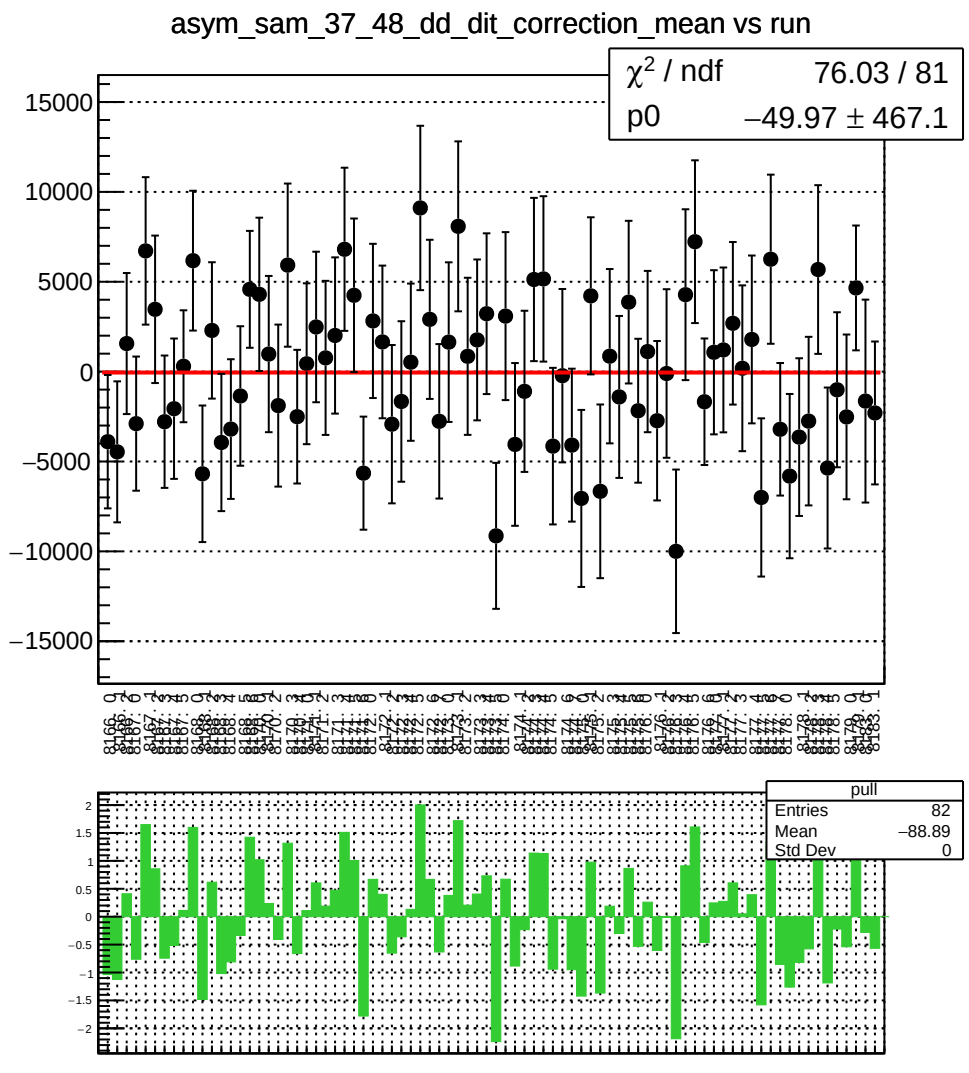

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 74.92 / 81
p0 −117.9 ± 453.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −66.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

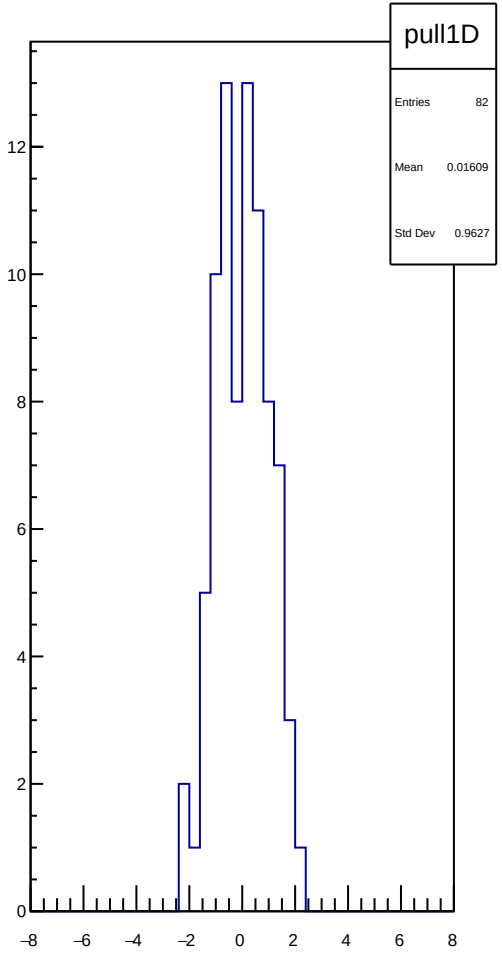

pull1D
Entries 82
Mean 0.01737
Std Dev 0.9557
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

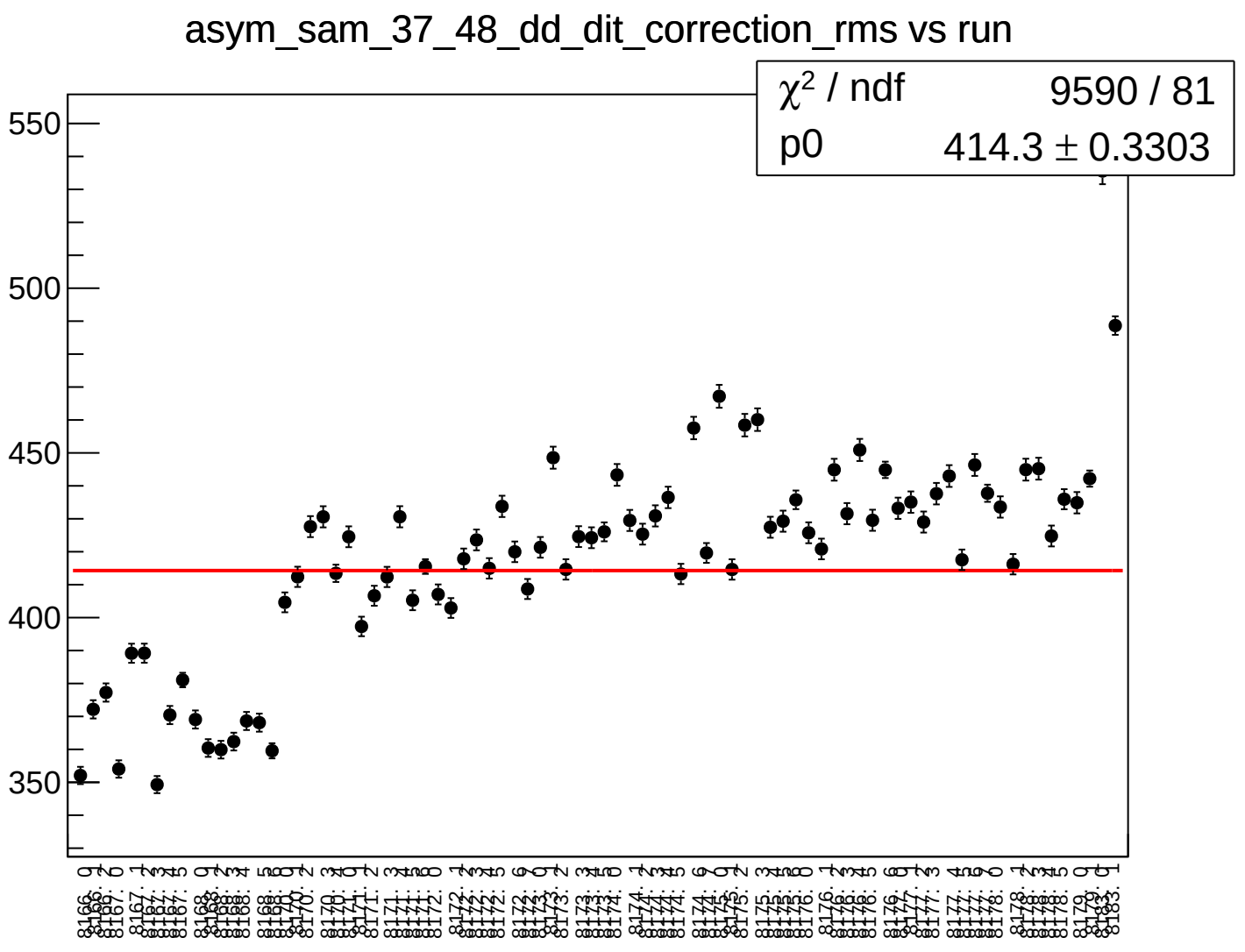

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.132e+04 / 81
p0 401.7 ± 0.3204
550
500
450
400
350

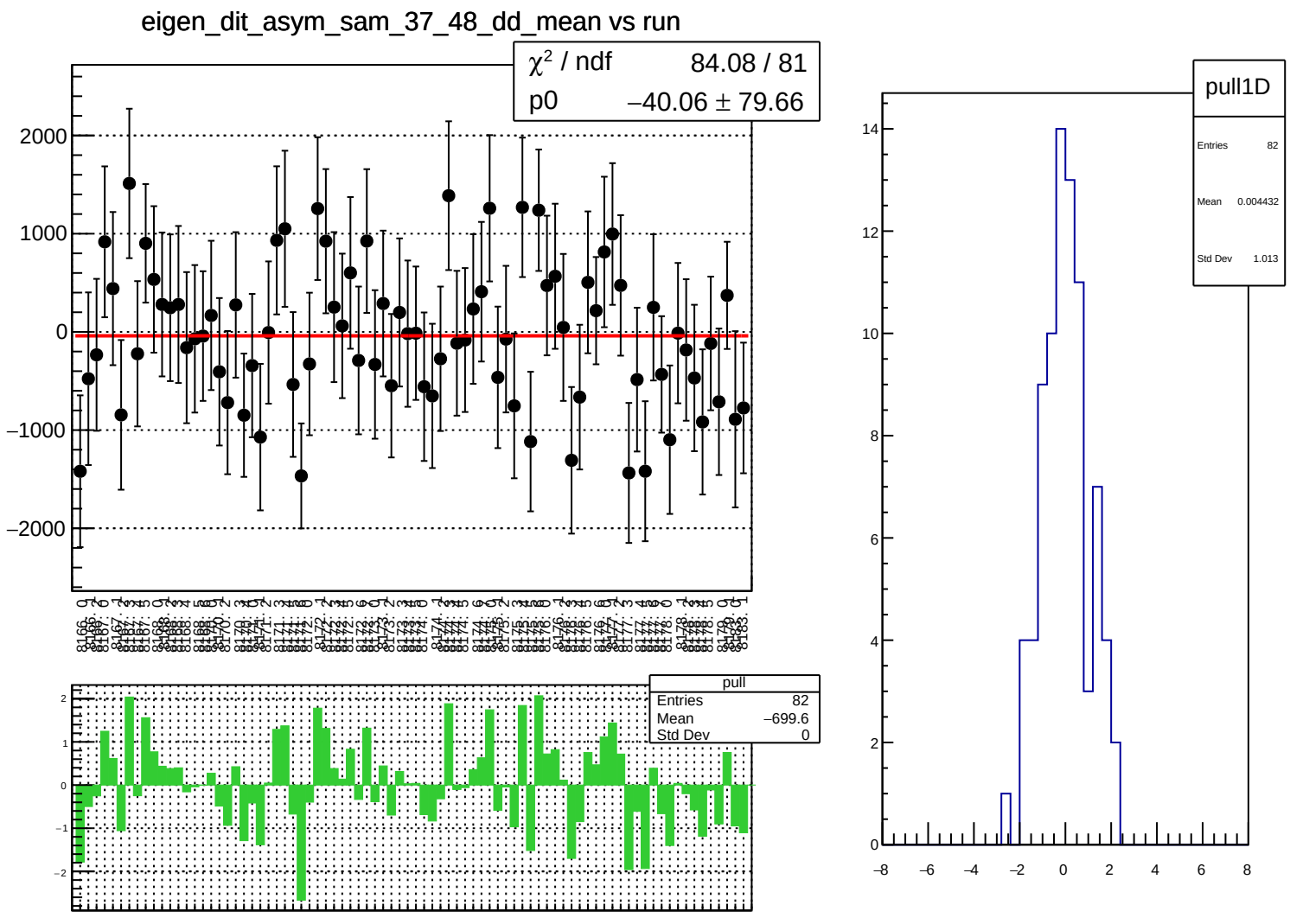

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 84.08 / 81
p0 −40.06 ± 79.66
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −699.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.004432
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

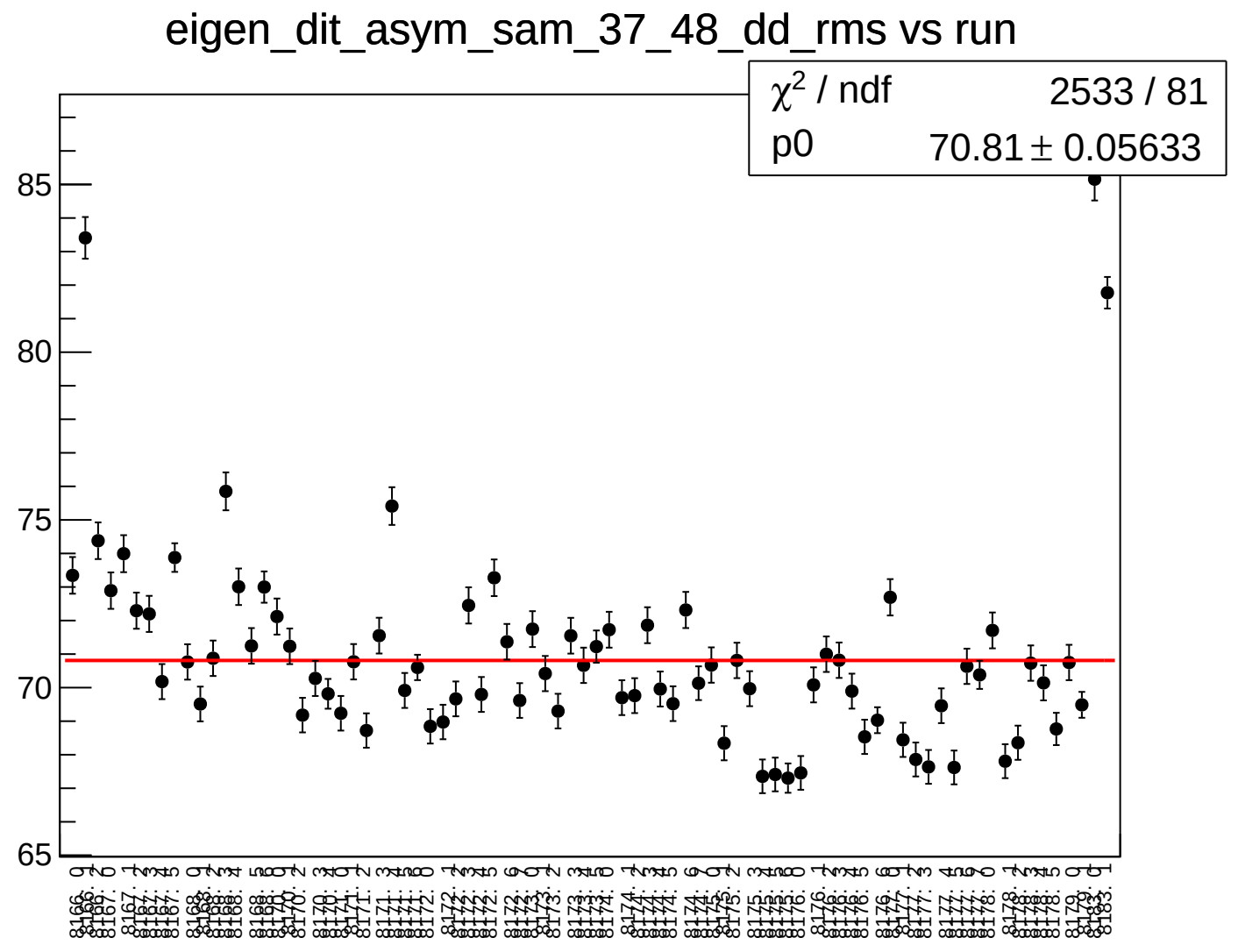

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2533 / 81
p0 70.81 ± 0.05633
85
80
75
70
65

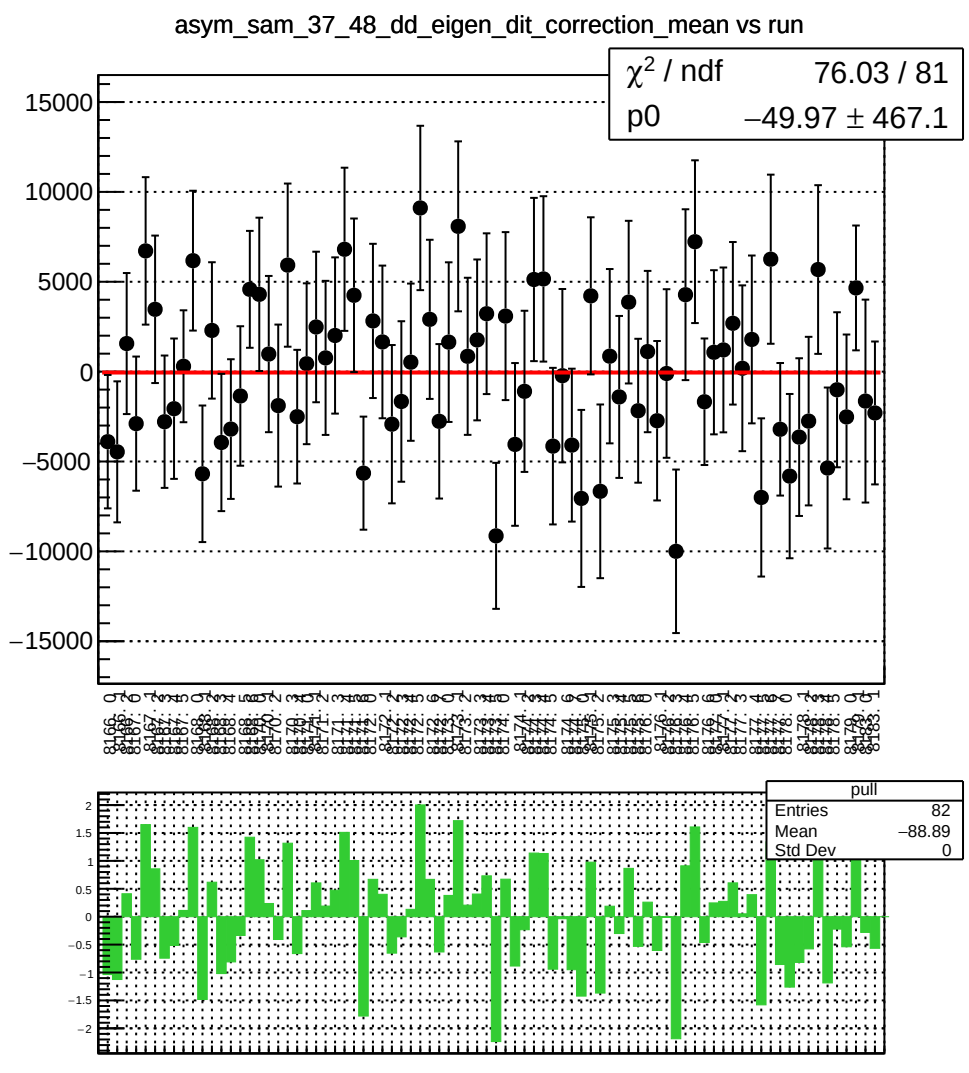

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 76.03 / 81
p0 −49.97 ± 467.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −88.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

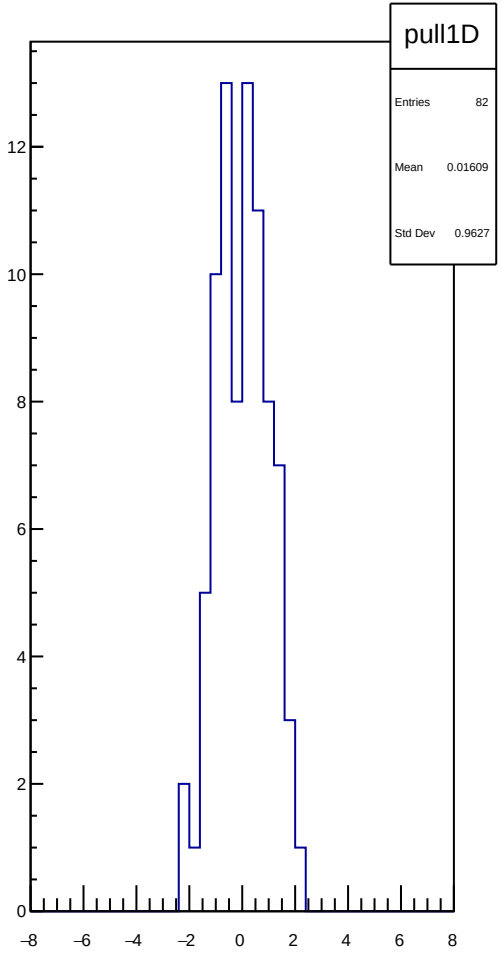

pull1D
Entries 82
Mean 0.01609
Std Dev 0.9627
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

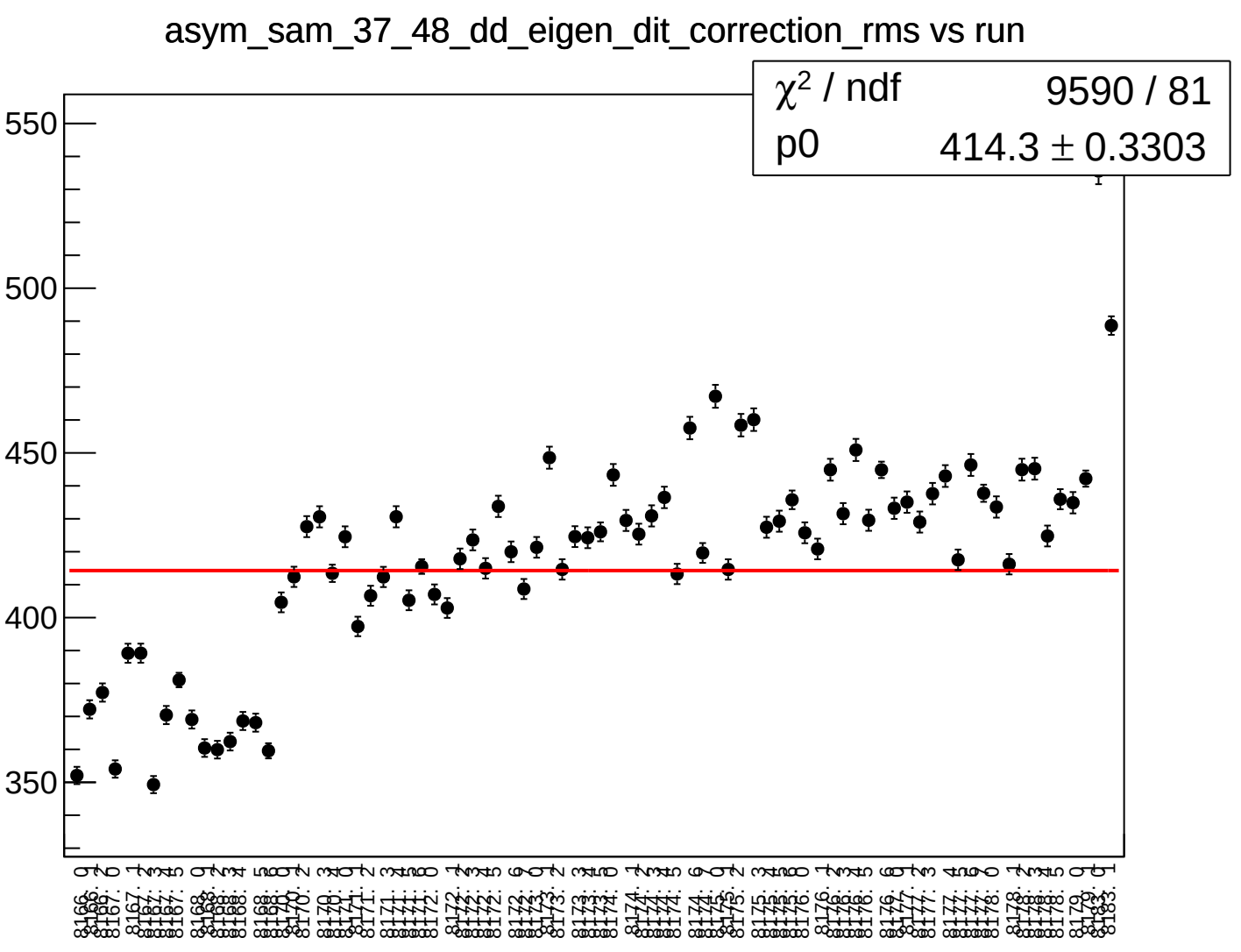

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 9590 / 81
p0 414.3 ± 0.3303
550
500
450
400
350

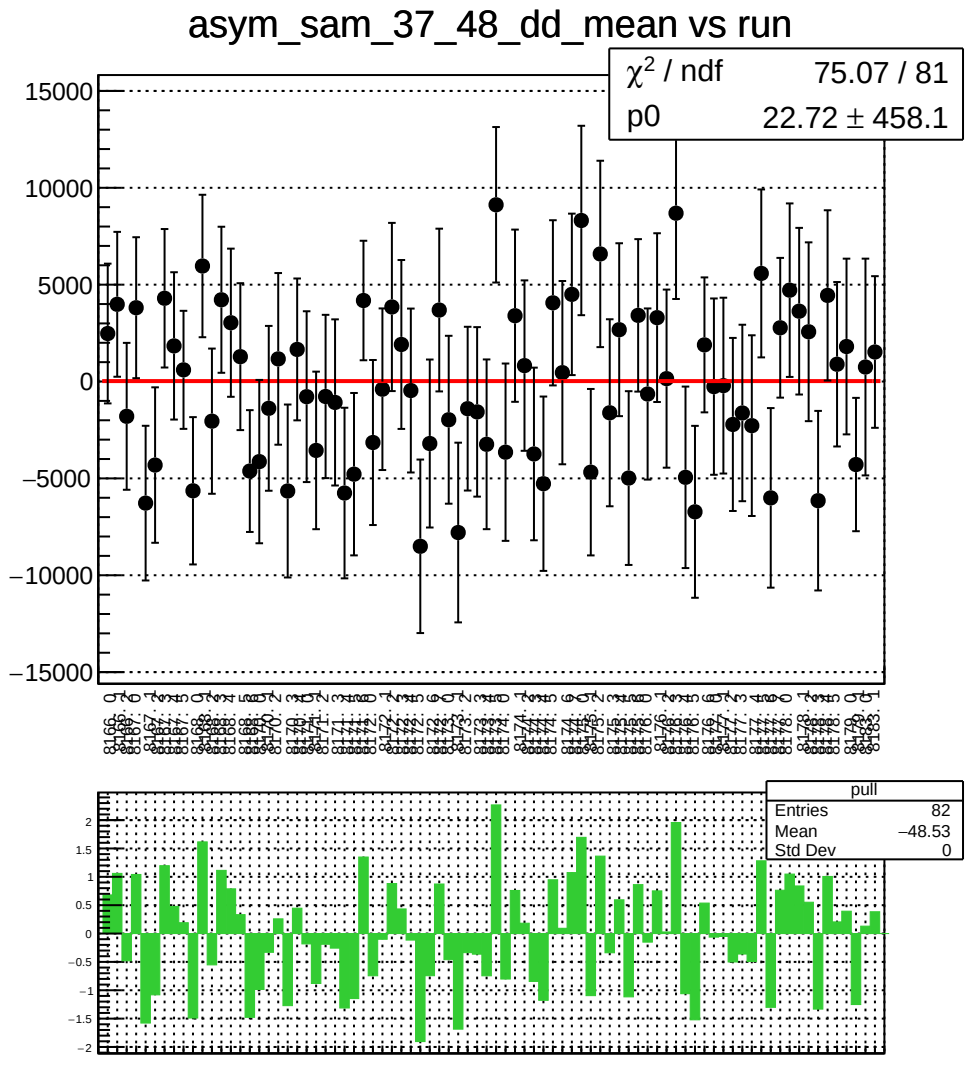

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 84.08 / 81
p0 −40.06 ± 79.66
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −699.6
Std Dev 0
pull1D
Entries 82
Mean 0.004432
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

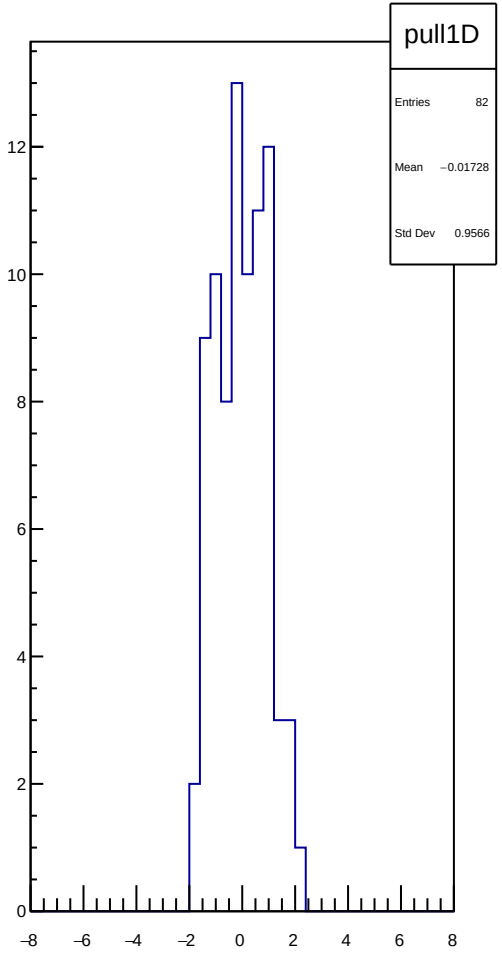

eigen_dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2533 / 81
p0 70.81 ± 0.05633
85
80
75
70
65

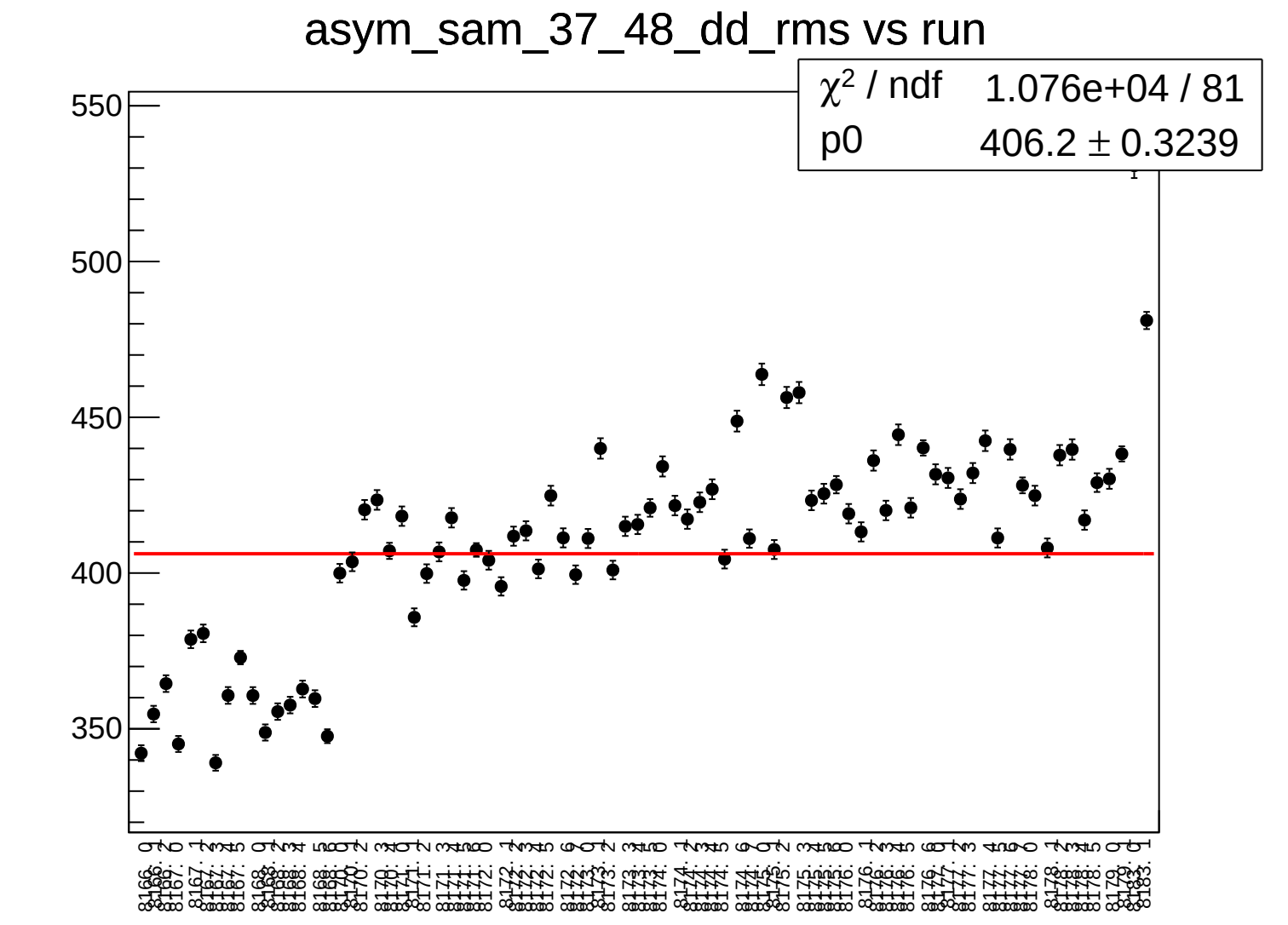

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.03 / 81
p0 −49.97 ± 467.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −88.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

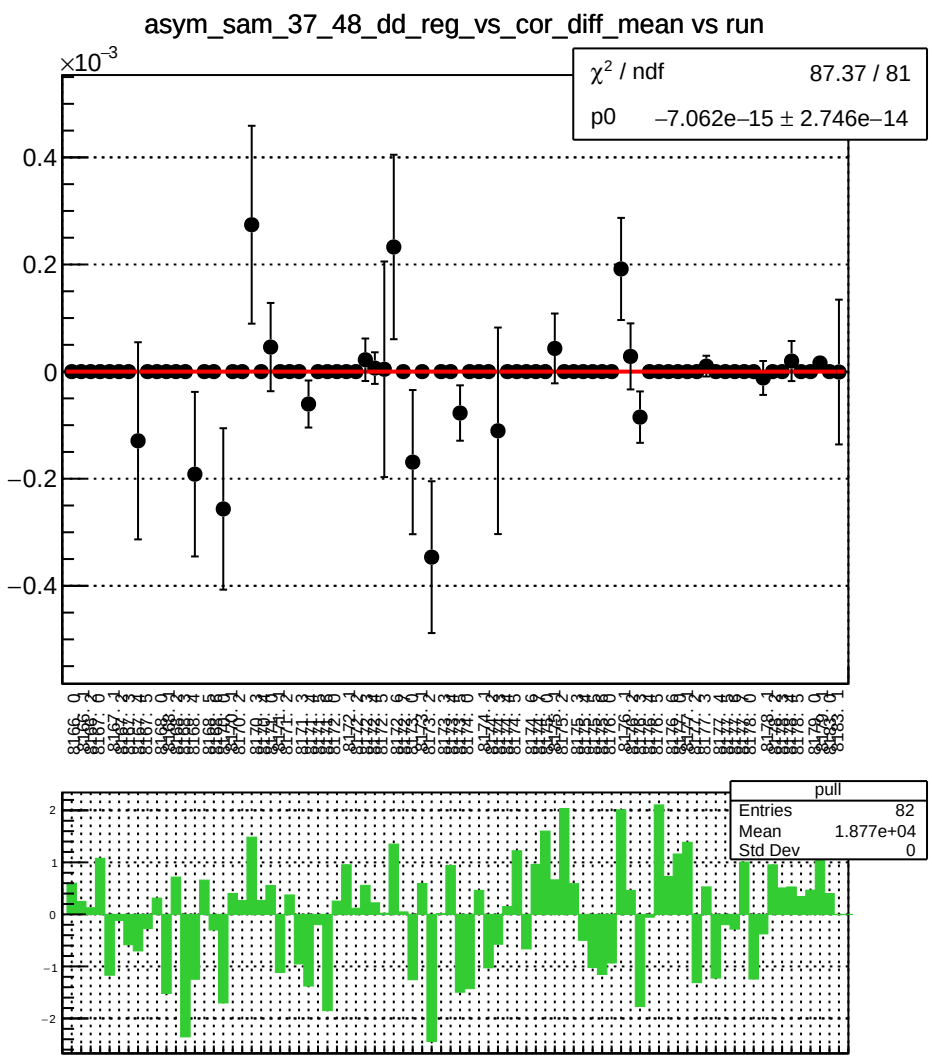

pull1D
Entries 82
Mean 0.01609
Std Dev 0.9627
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

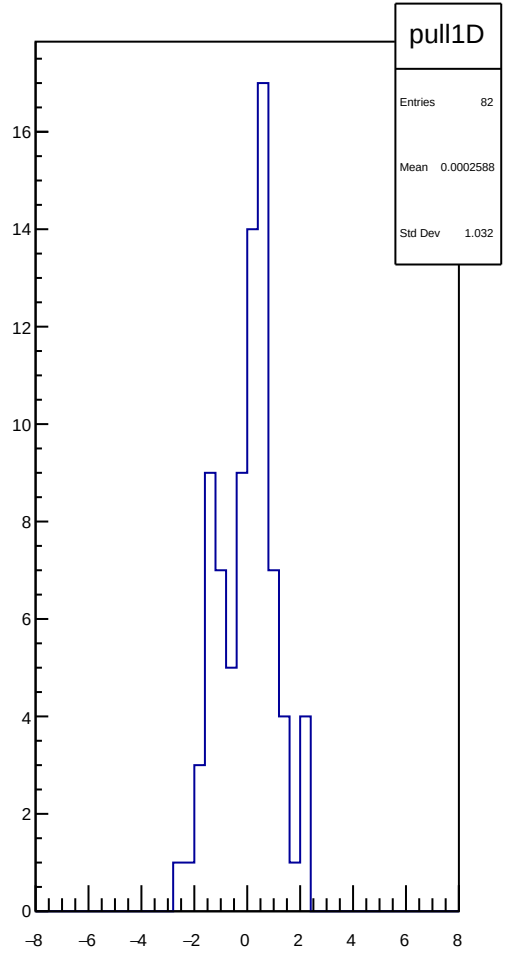

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 9590 / 81
p0 414.3 ± 0.3303
550
500
450
400
350

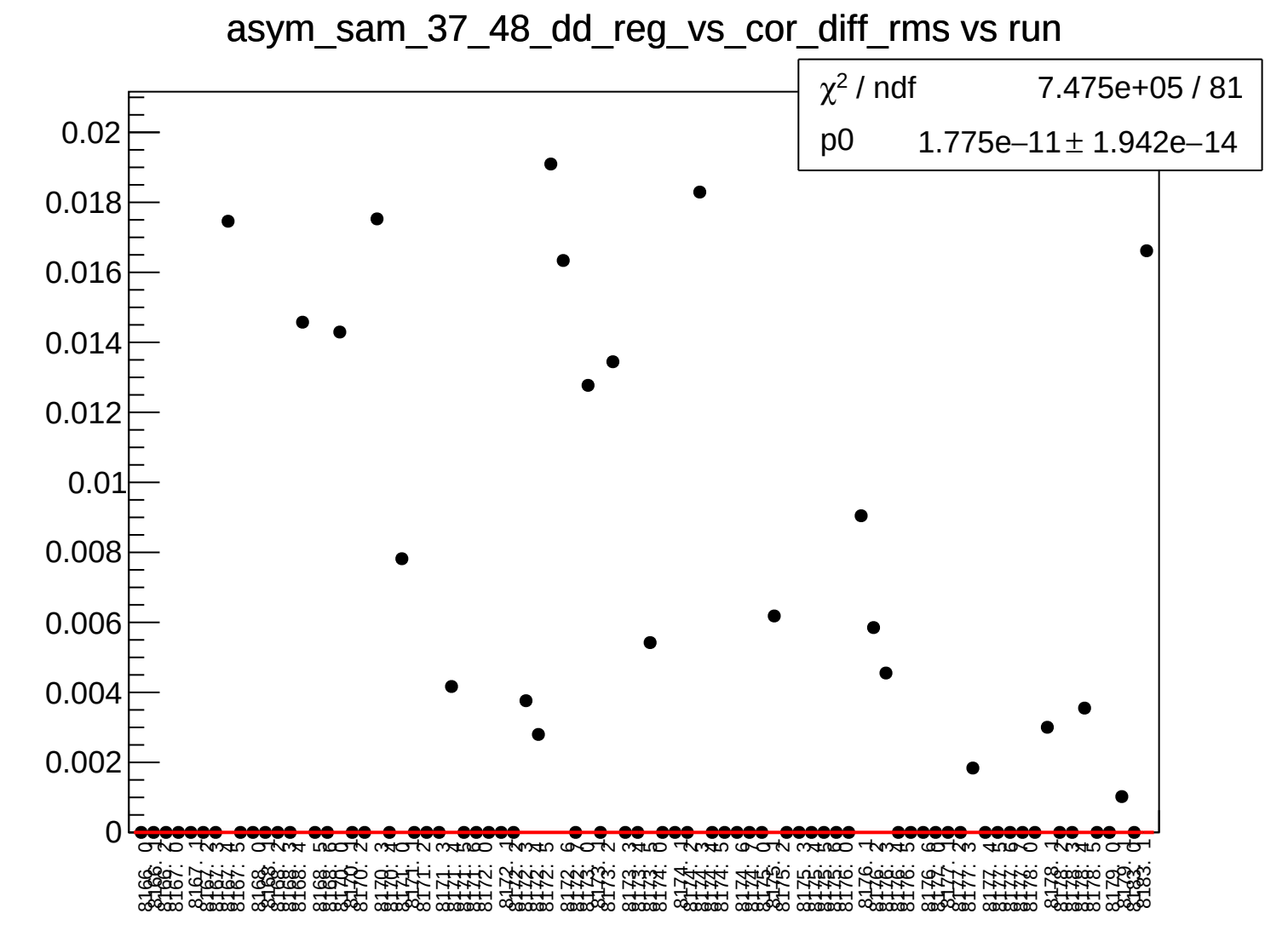

asym_sam_37_48_dd_mean vs run
χ² / ndf 75.07 / 81
p0 22.72 ± 458.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −48.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

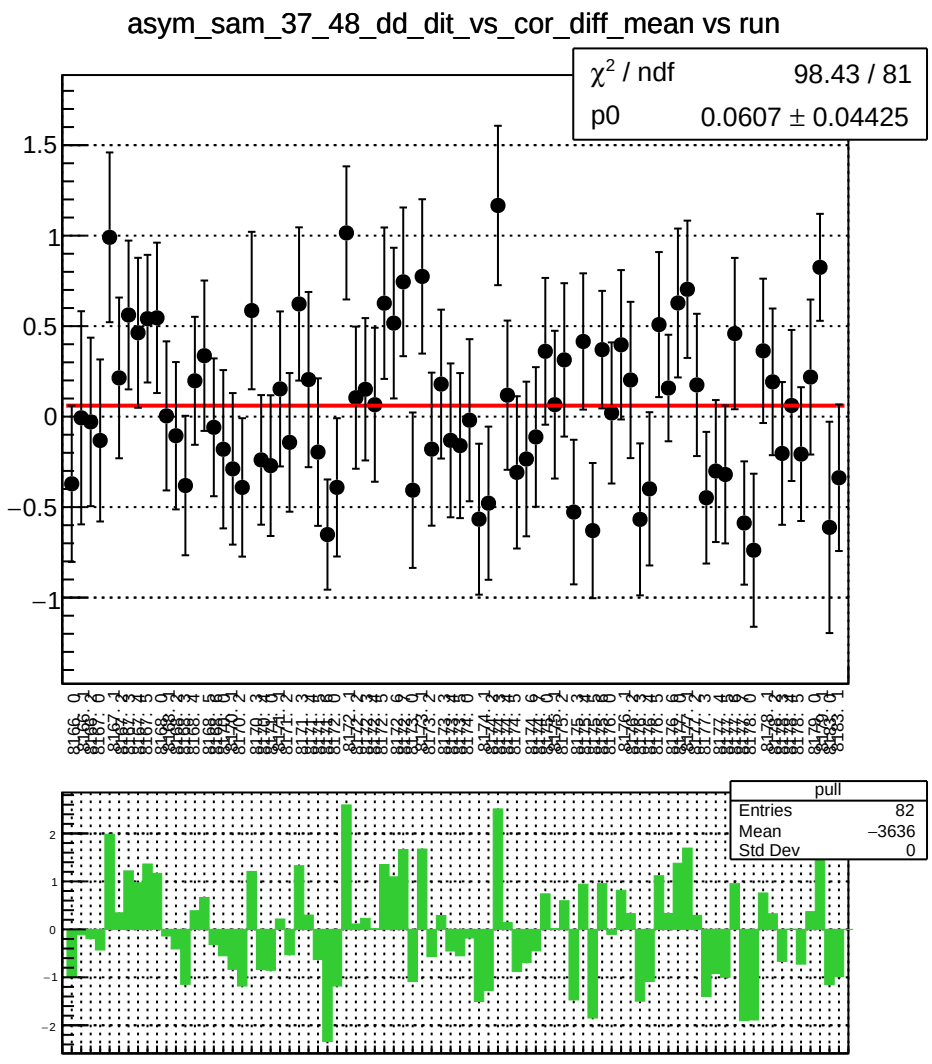

pull1D
Entries 82
Mean −0.01728
Std Dev 0.9566
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

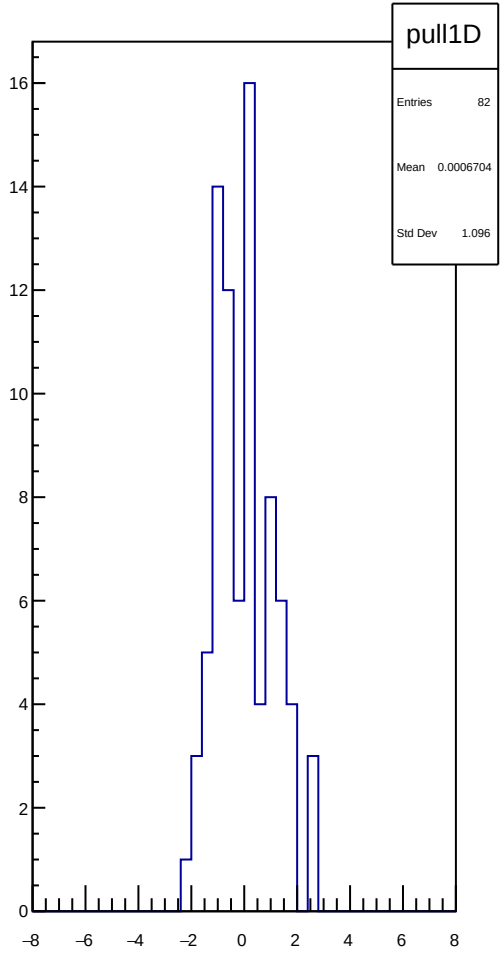

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.076e+04 / 81
p0 406.2 ± 0.3239
550
500
450
400
350

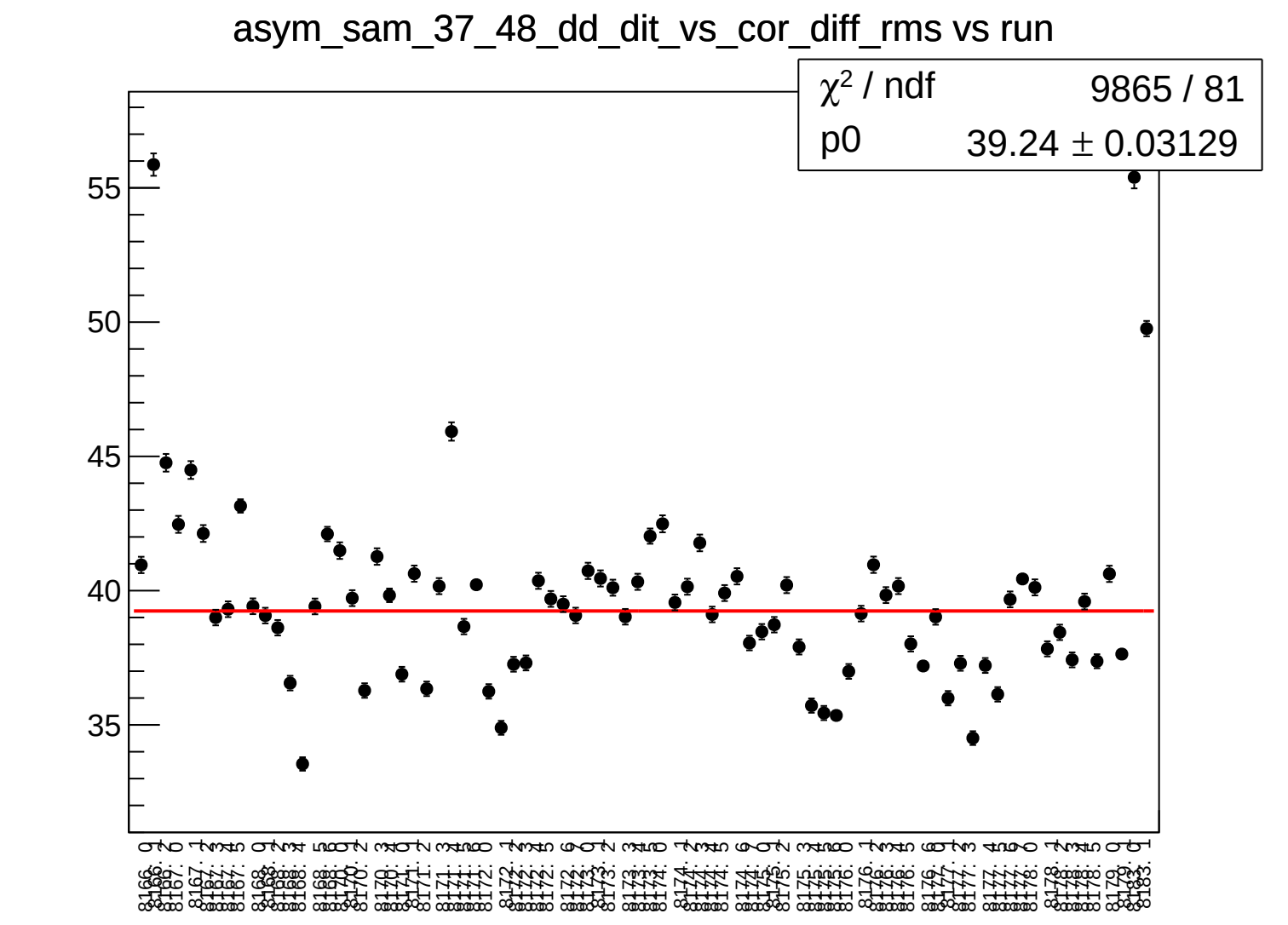

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 87.37 / 81
p0 −7.062e−15 ± 2.746e−14
0.4
0.2
0
−0.2
−0.4
pull
Entries 82
Mean 1.877e+04
Std Dev 0
2
1
0
−1
−2

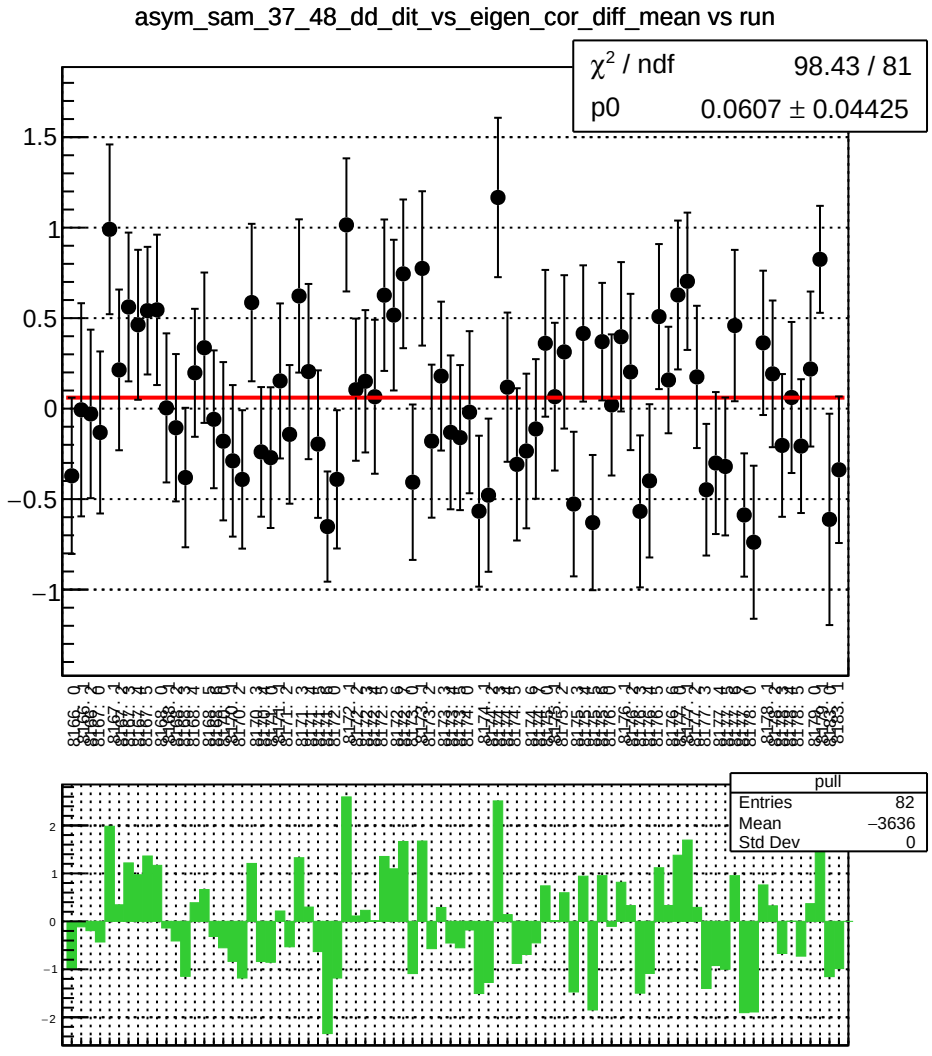

pull1D
Entries 82
Mean 0.0002588
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

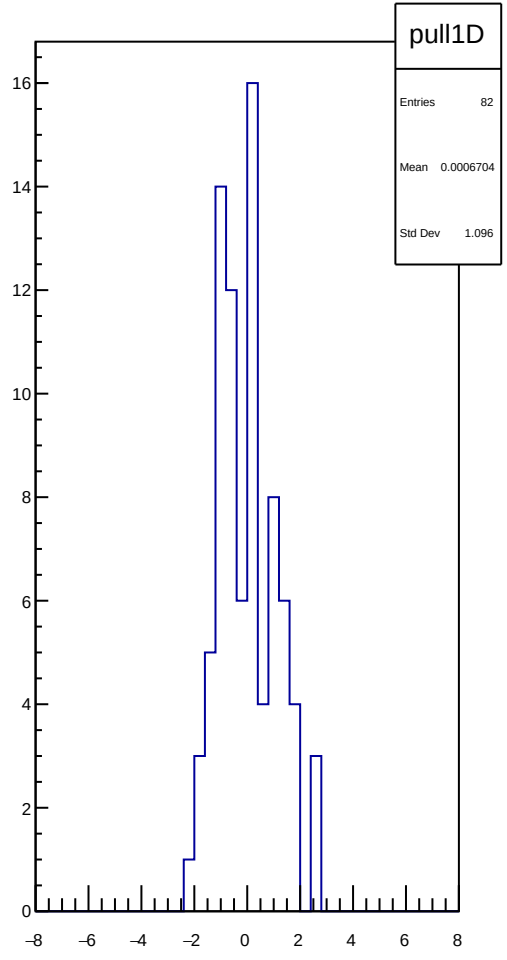

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.475e+05 / 81
p0 1.775e−11 ± 1.942e−14
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

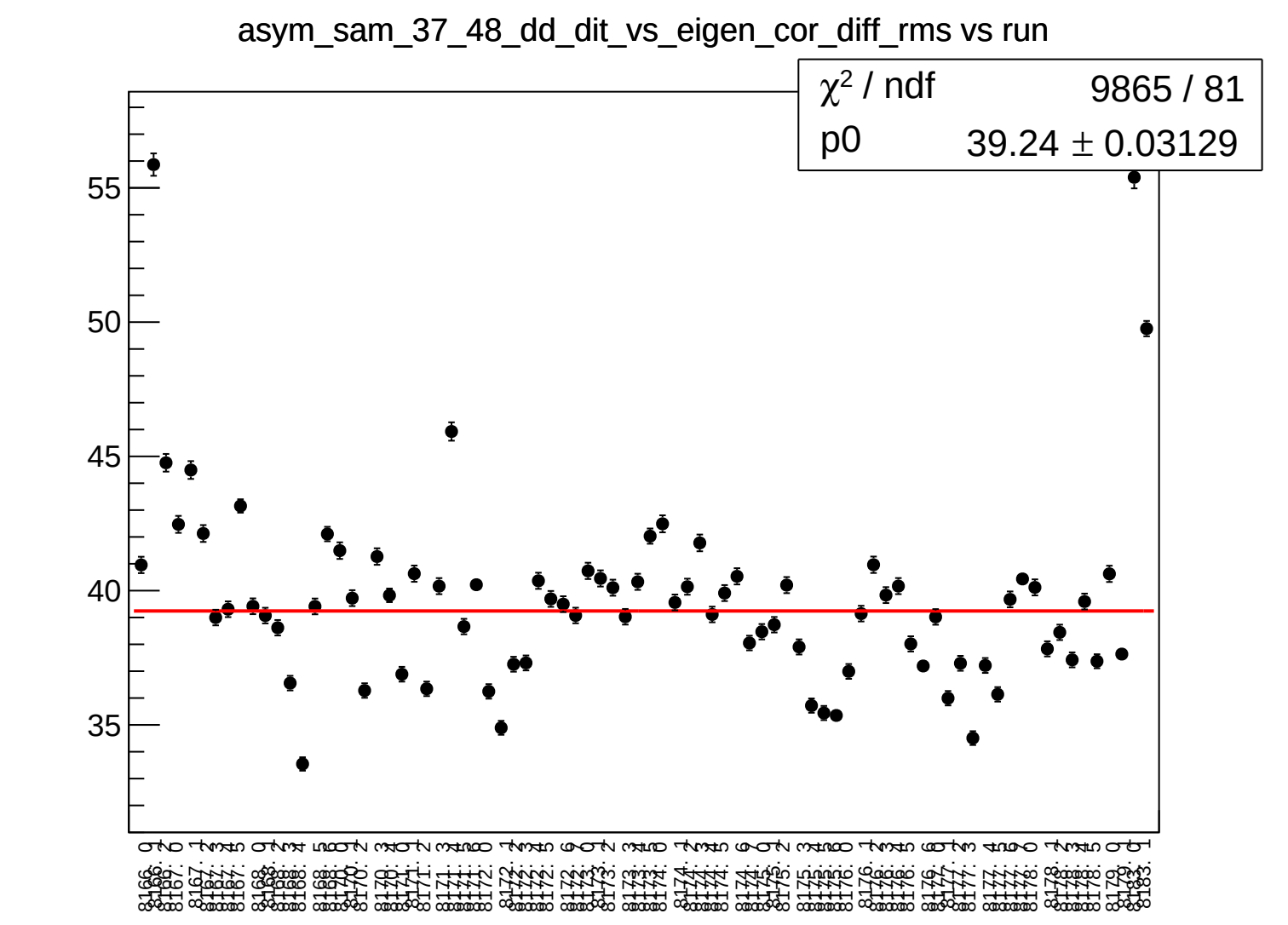

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 98.43 / 81
p0 0.0607 ± 0.04425
pull
Entries 82
Mean −3636
Std Dev 0

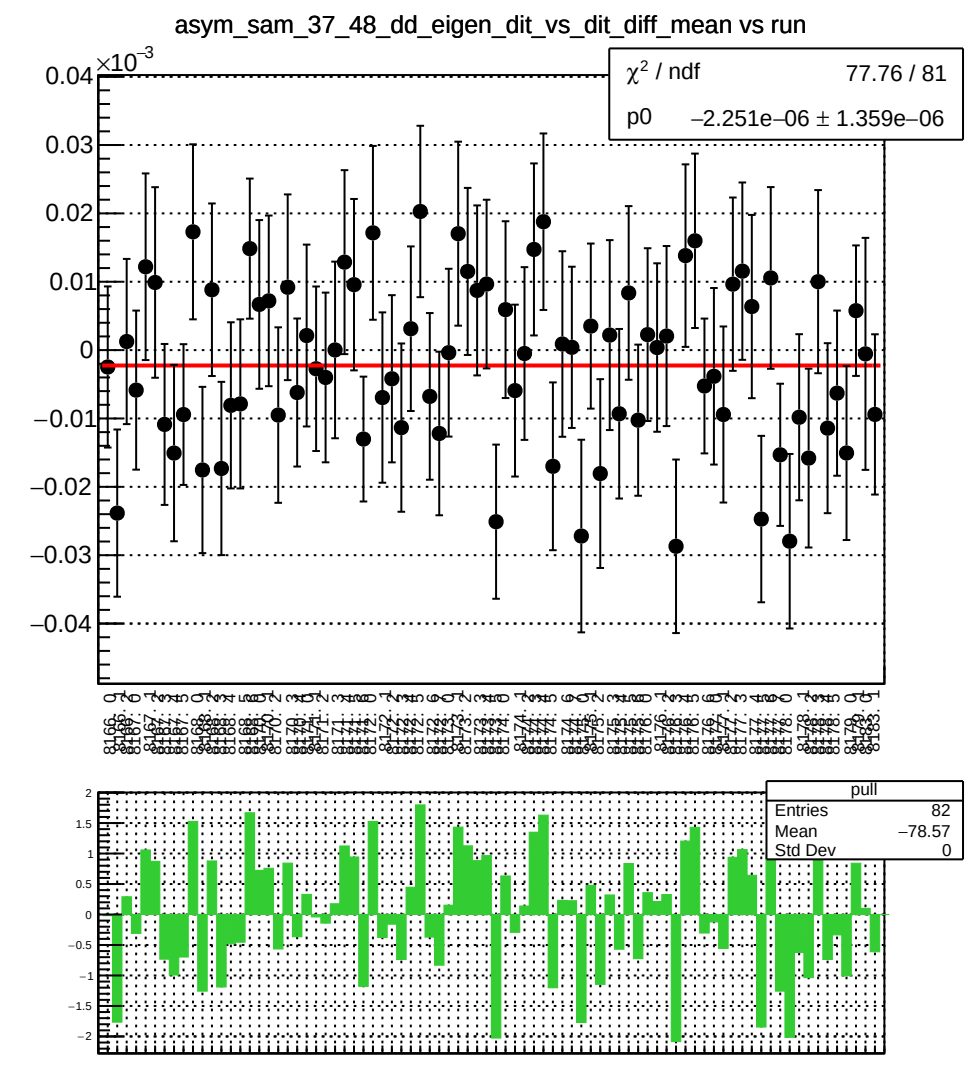

pull1D
Entries 82
Mean 0.0006704
Std Dev 1.096

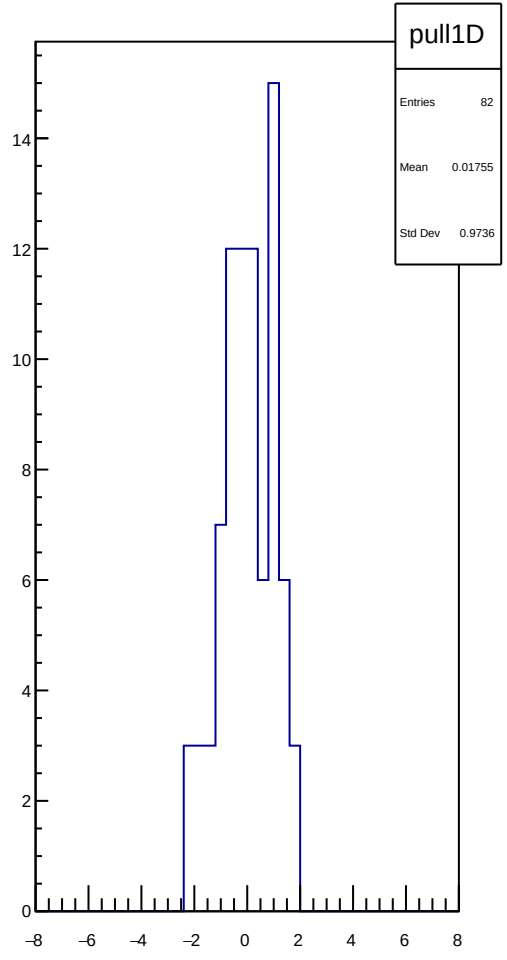

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9865 / 81
p0 39.24 ± 0.03129
55
50
45
40
35

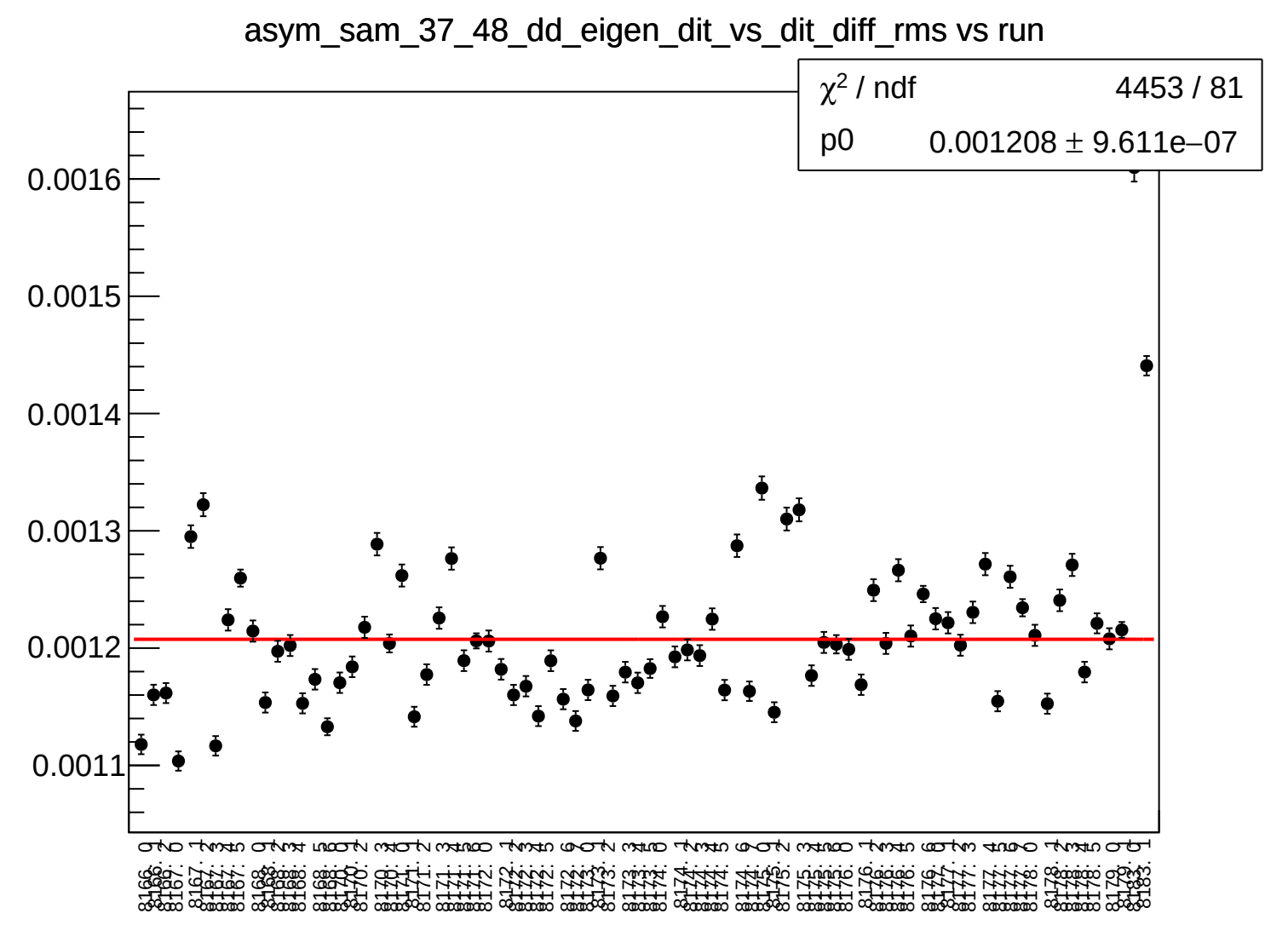

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.43 / 81
p0 0.0607 ± 0.04425
pull
Entries 82
Mean −3636
Std Dev 0

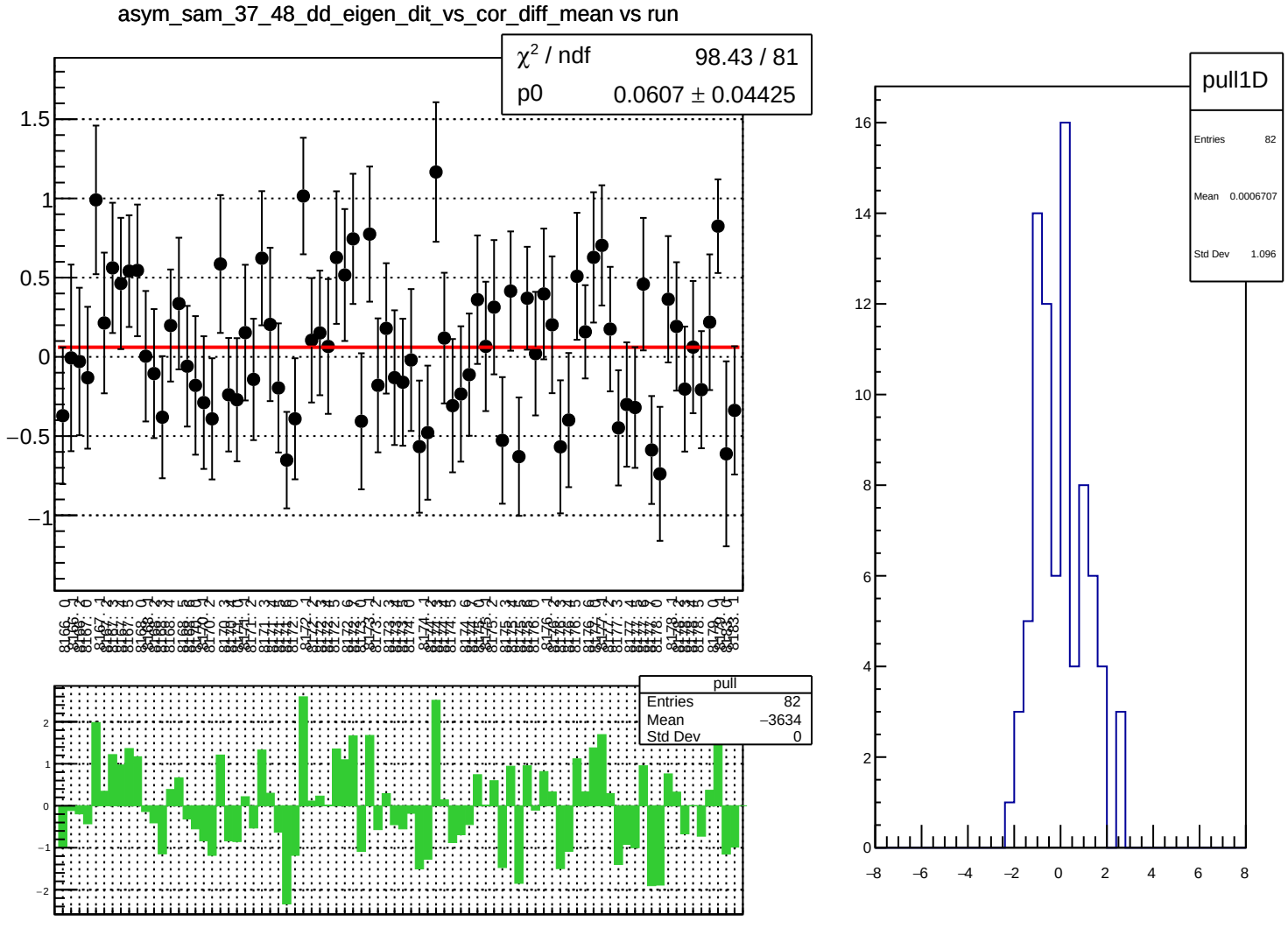

pull1D
Entries 82
Mean 0.0006704
Std Dev 1.096

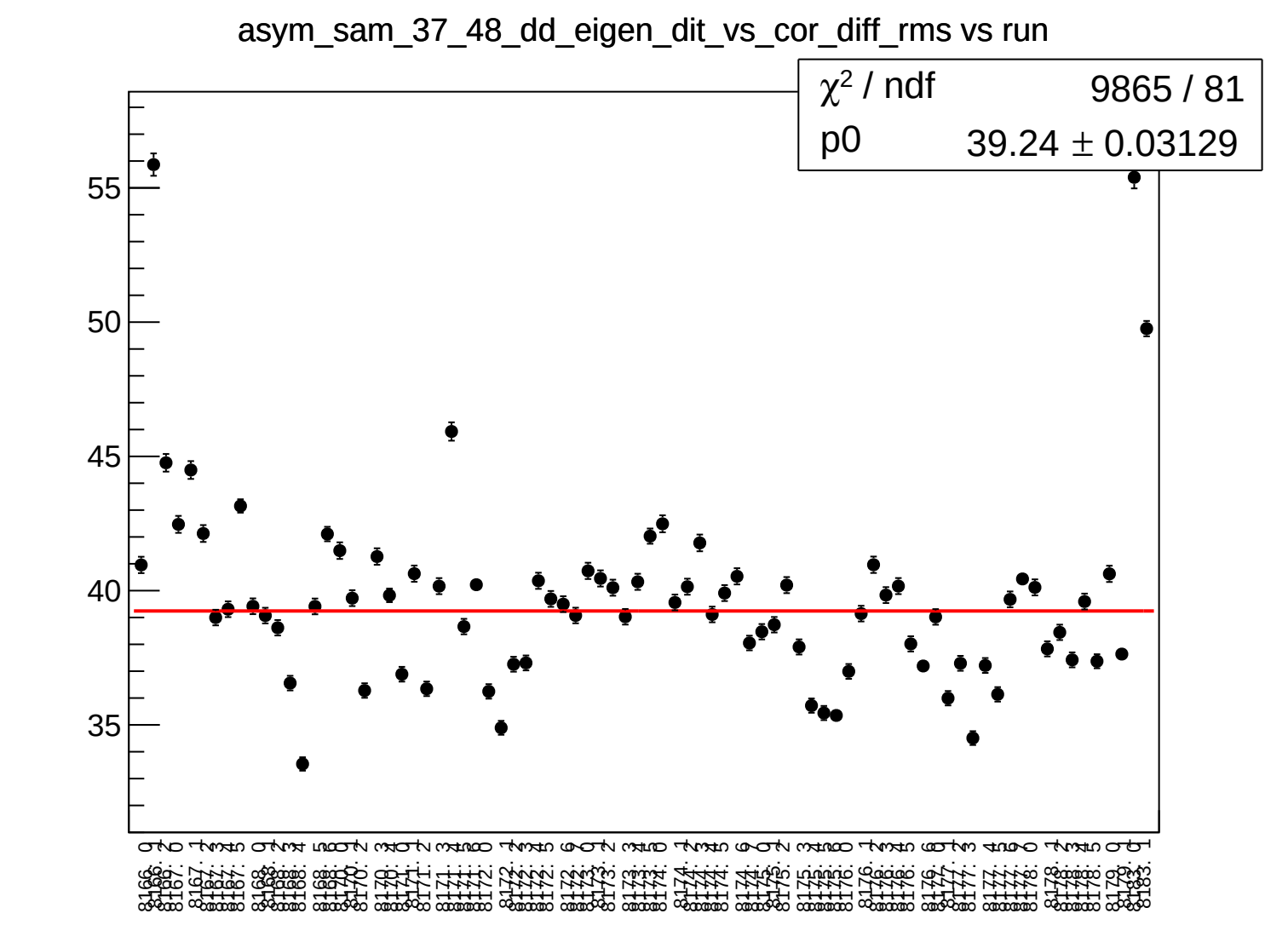

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9865 / 81
p0 39.24 ± 0.03129
55
50
45
40
35

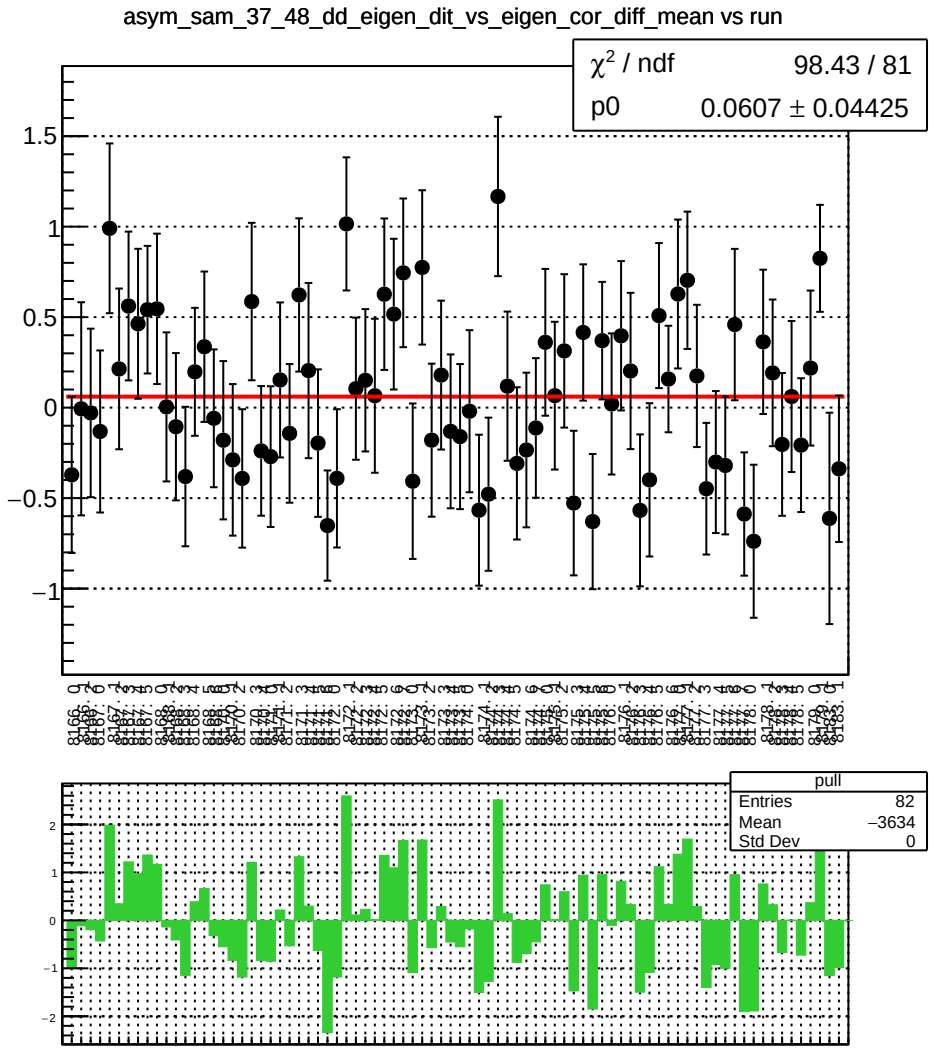

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.76 / 81
p0 −2.251e−06 ± 1.359e−06
pull
Entries 82
Mean −78.57
Std Dev 0

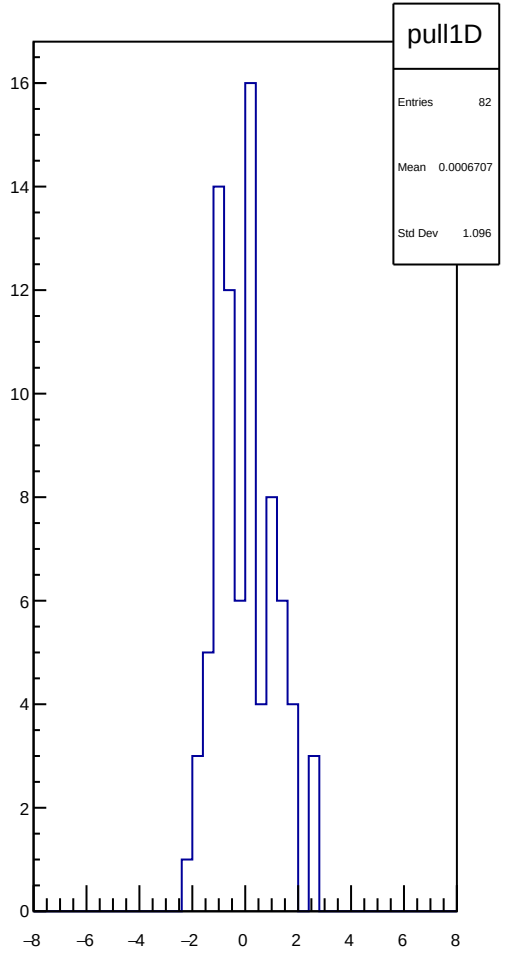

pull1D
Entries 82
Mean 0.01755
Std Dev 0.9736

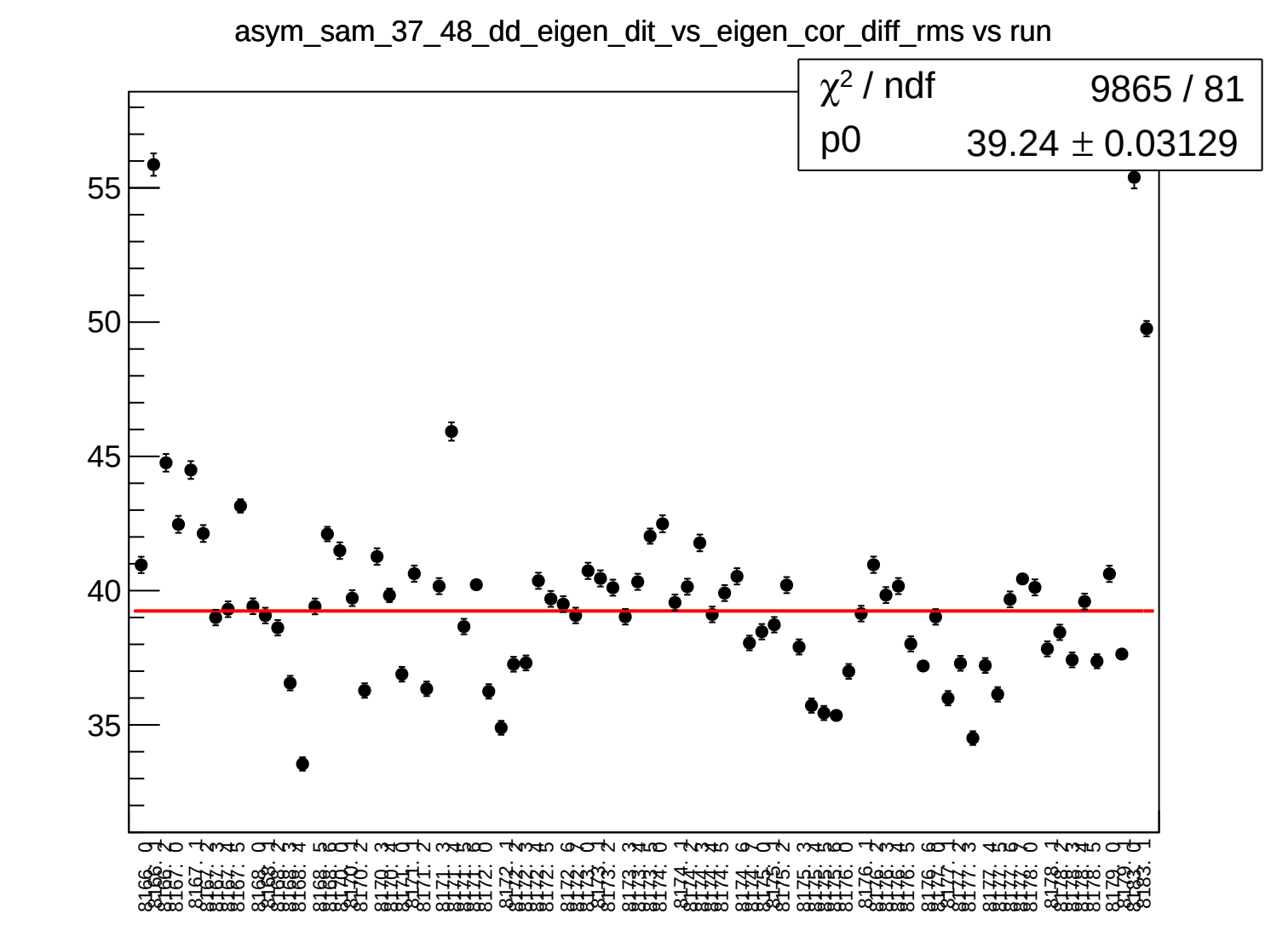

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4453 / 81
p0 0.001208 ± 9.611e−07
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011

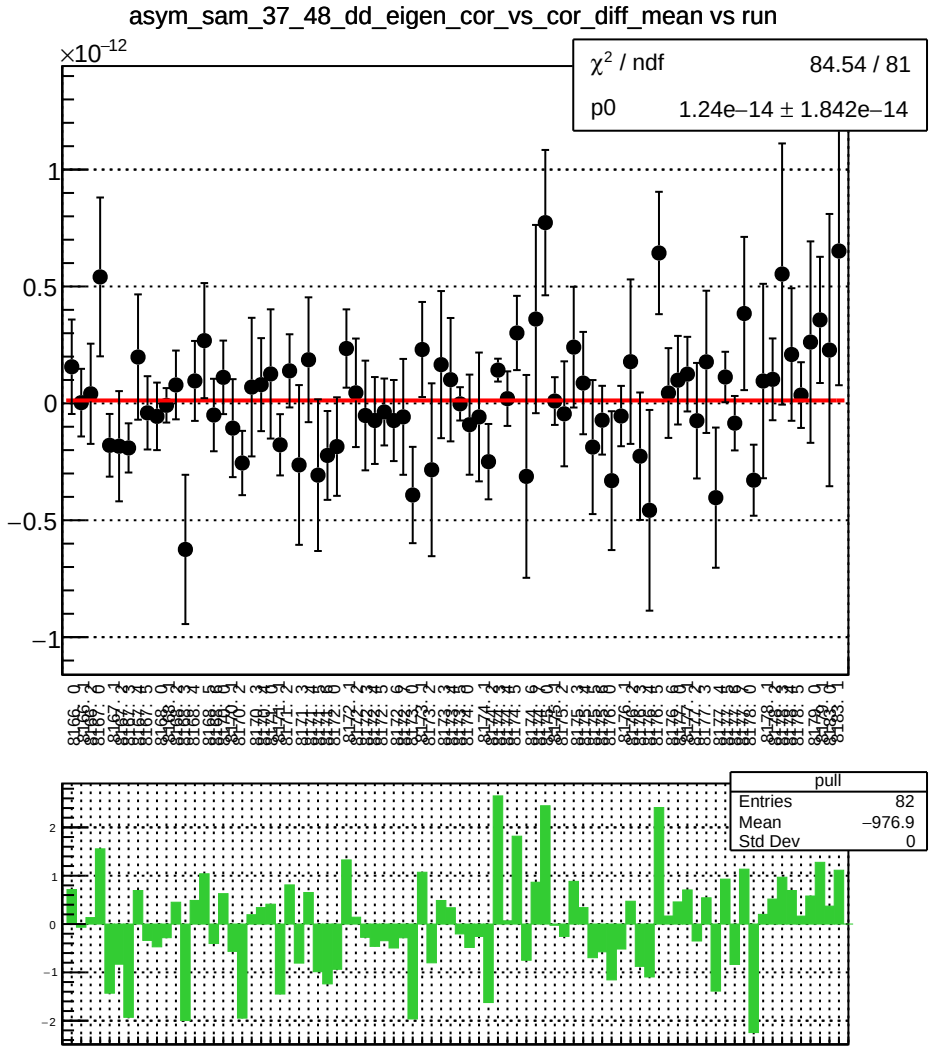

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.43 / 81
p0 0.0607 ± 0.04425
pull
Entries 82
Mean −3634
Std Dev 0
pull1D
Entries 82
Mean 0.0006707
Std Dev 1.096

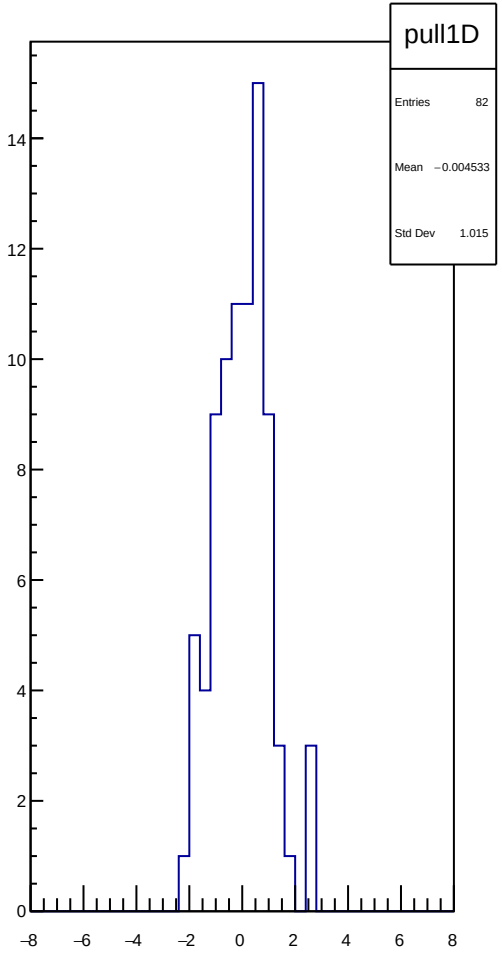

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9865 / 81
p0 39.24 ± 0.03129
55
50
45
40
35

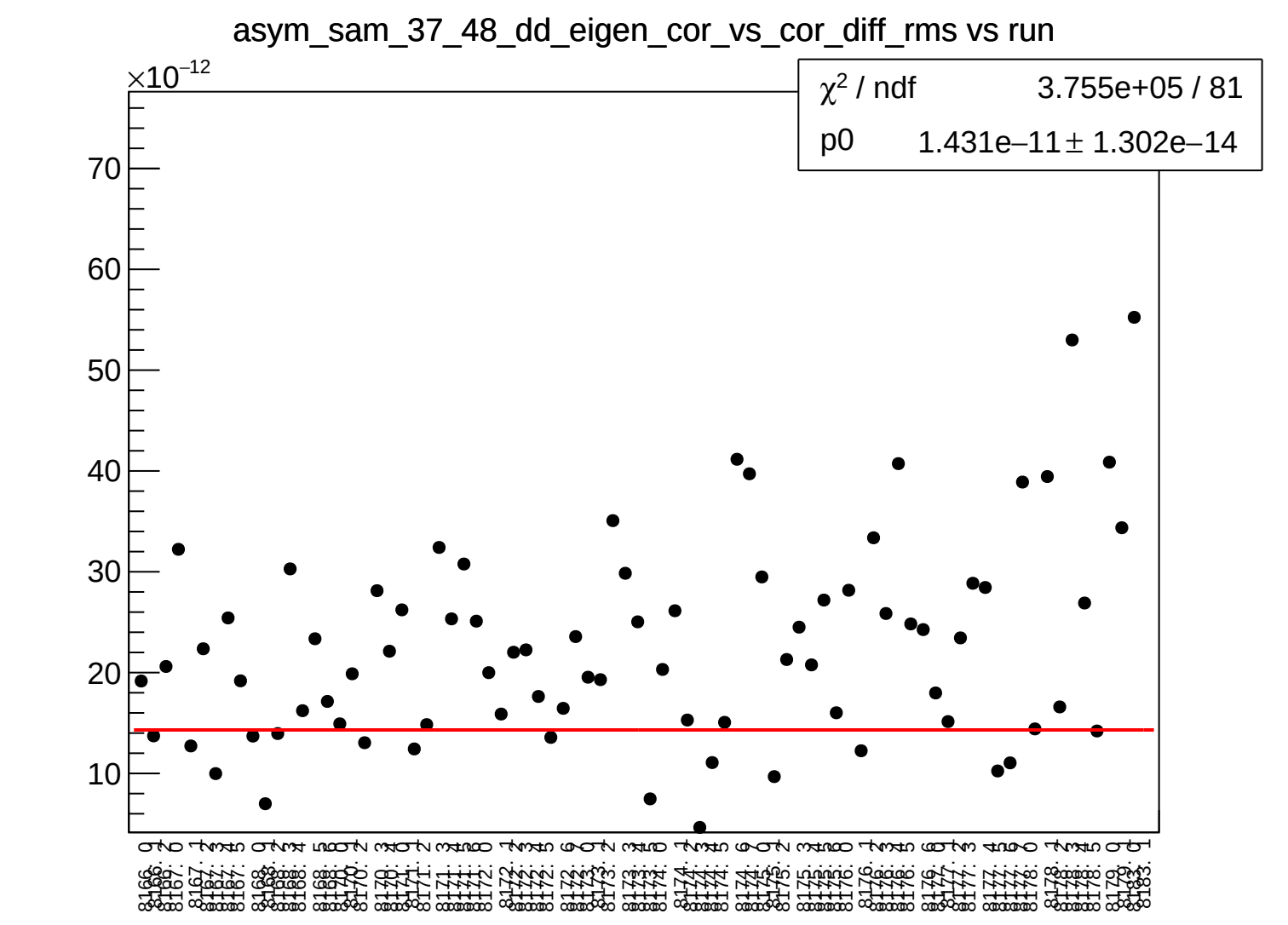

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.43 / 81
p0 0.0607 ± 0.04425
pull
Entries 82
Mean −3634
Std Dev 0

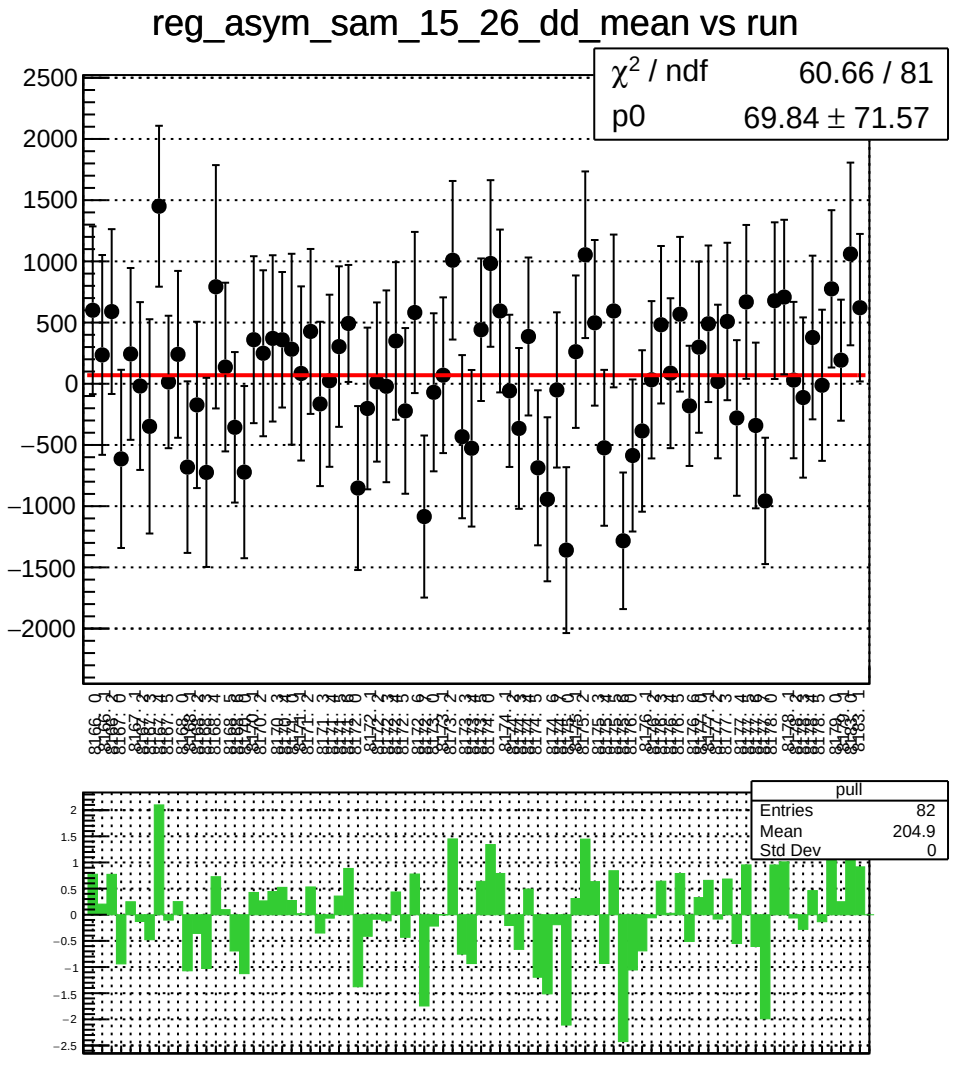

pull1D
Entries 82
Mean 0.0006707
Std Dev 1.096

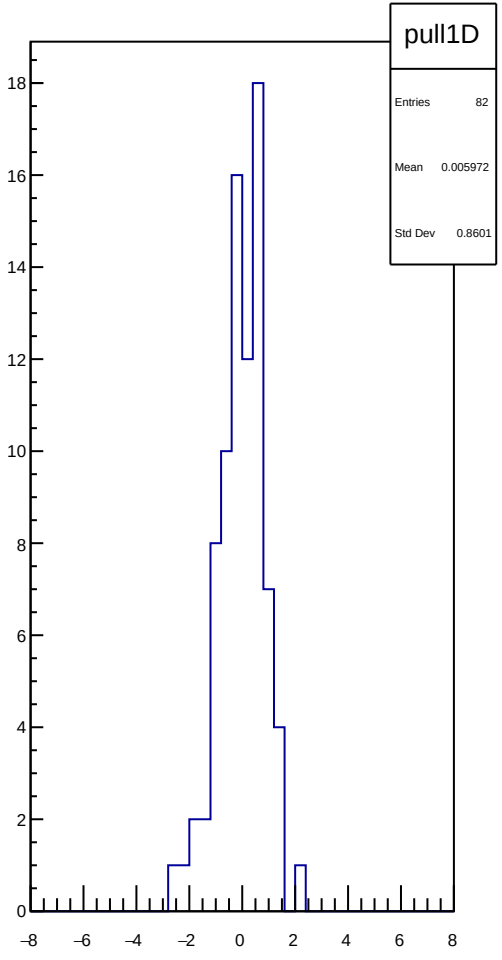

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9865 / 81
p0 39.24 ± 0.03129
55
50
45
40
35

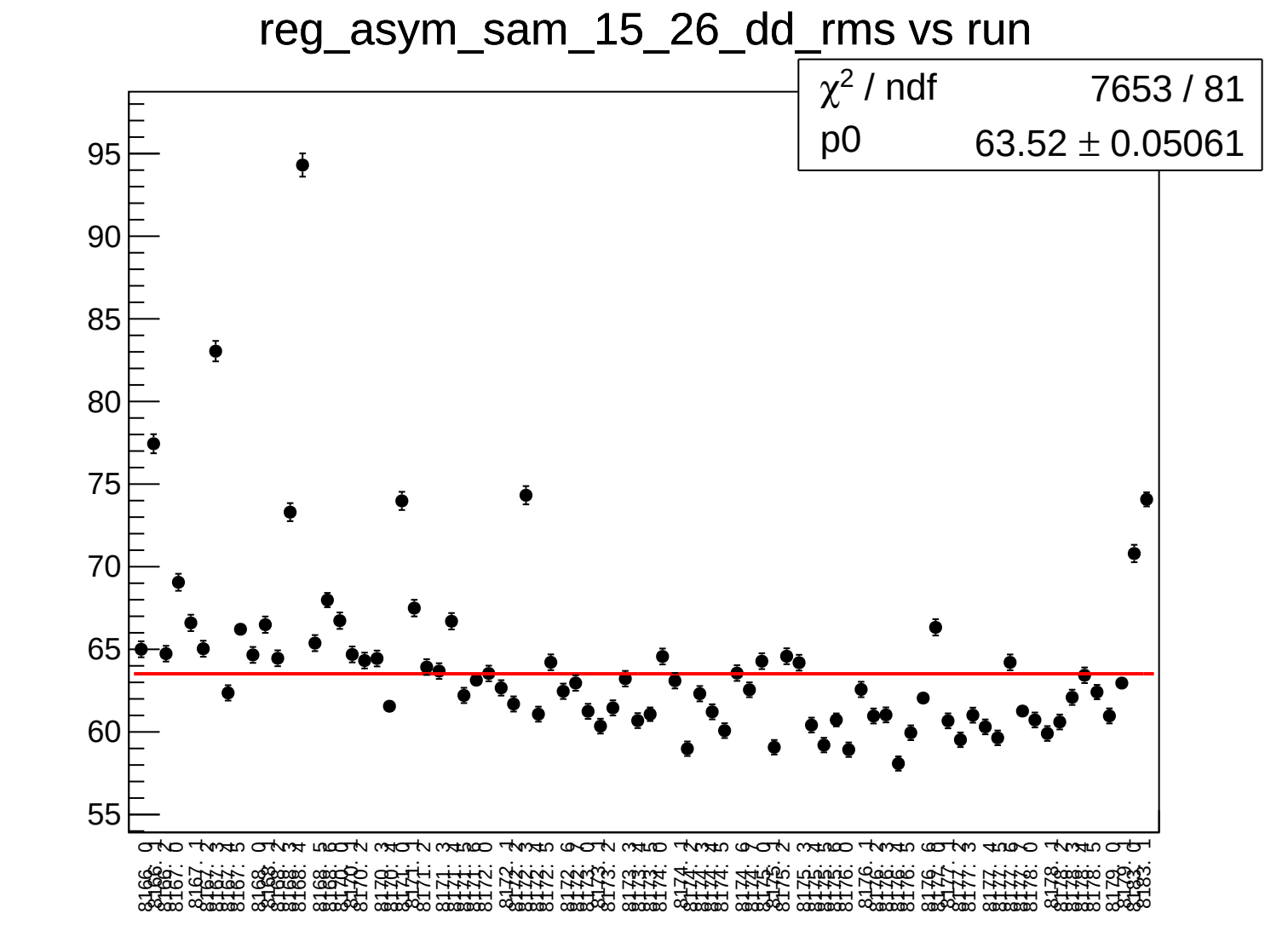

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 84.54 / 81
p0 1.24e−14 ± 1.842e−14
pull
Entries 82
Mean −976.9
Std Dev 0

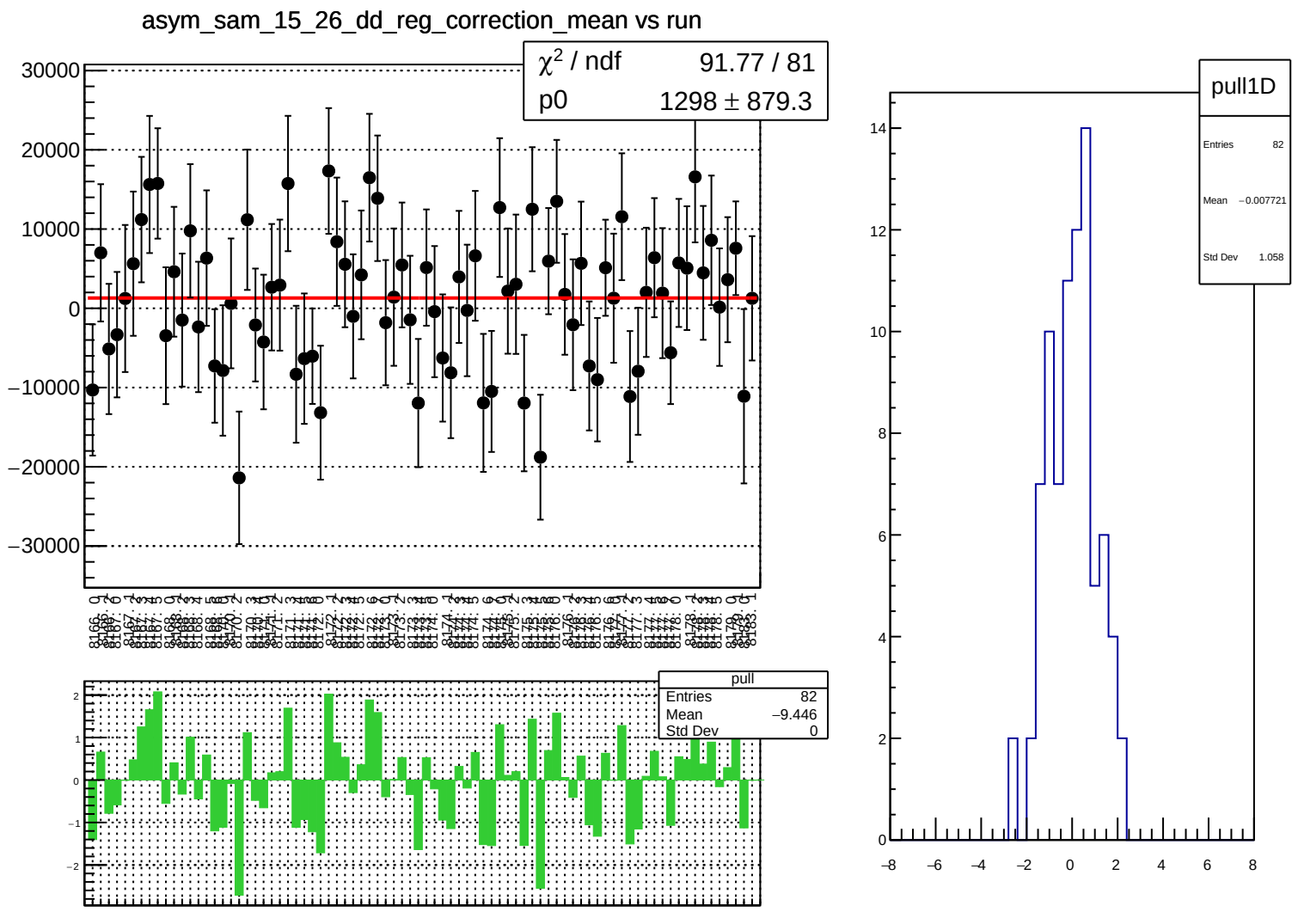

pull1D
Entries 82
Mean −0.004533
Std Dev 1.015

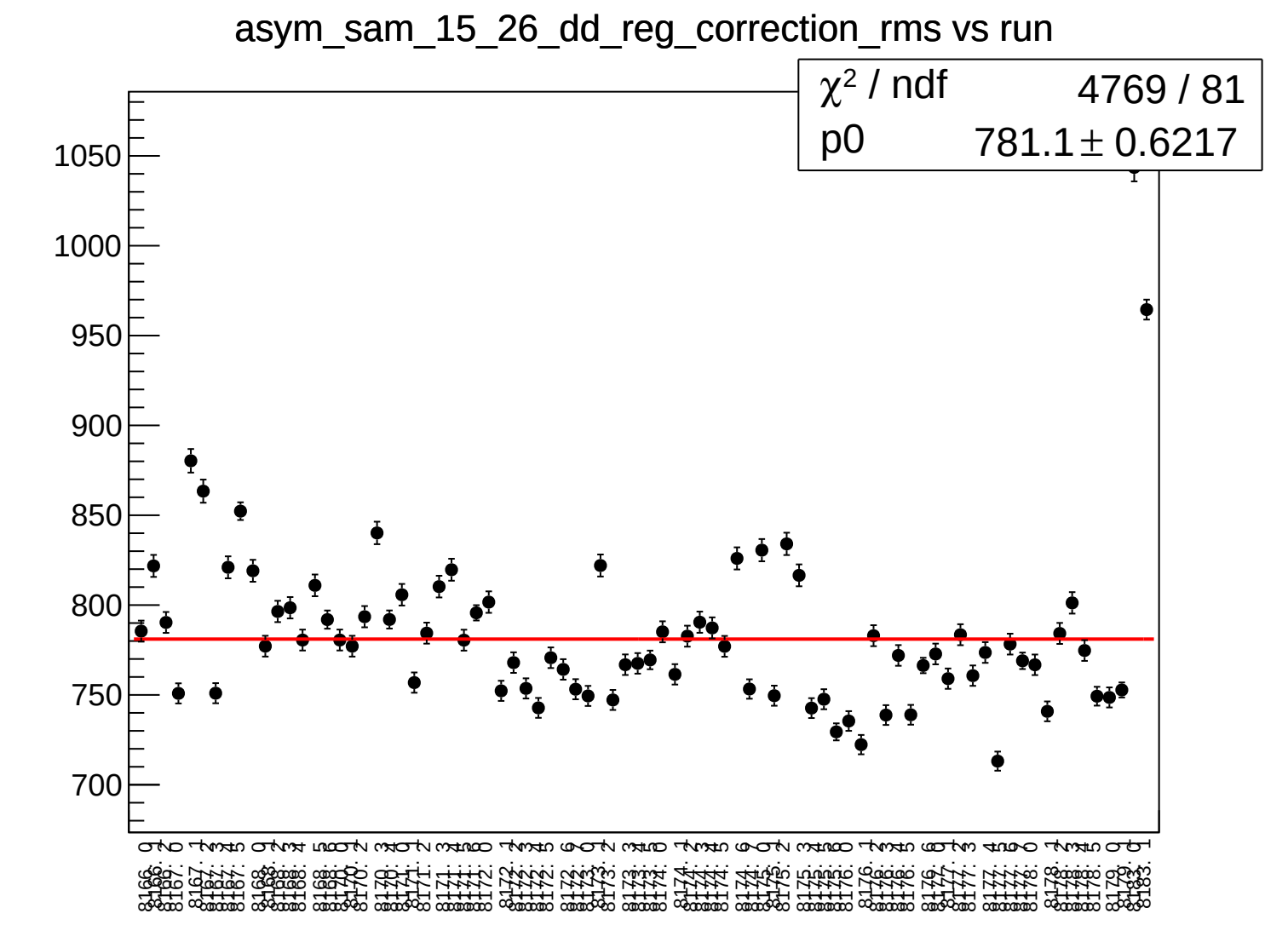

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.755e+05 / 81
p0 1.431e−11 ± 1.302e−14
70
60
50
40
30
20
10

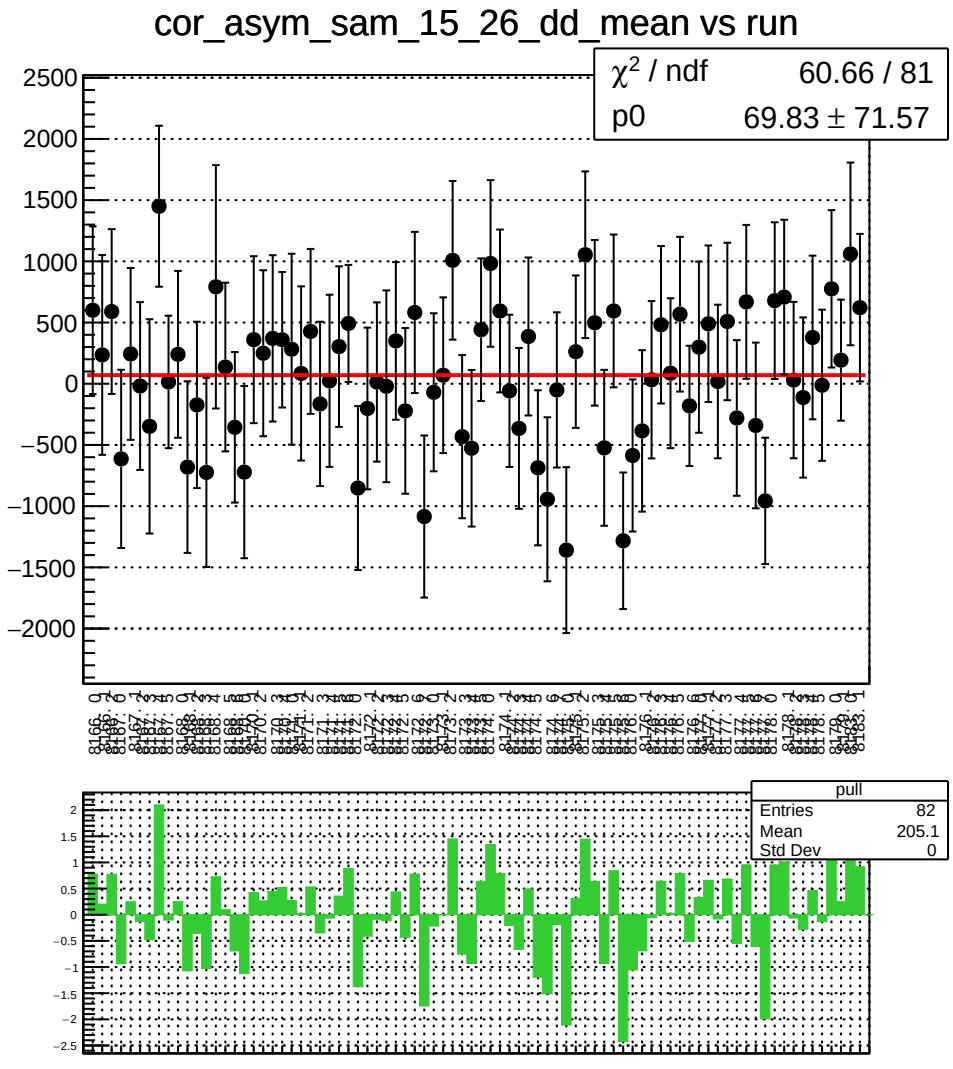

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.66 / 81
p0 69.84 ± 71.57
pull
Entries 82
Mean 204.9
Std Dev 0

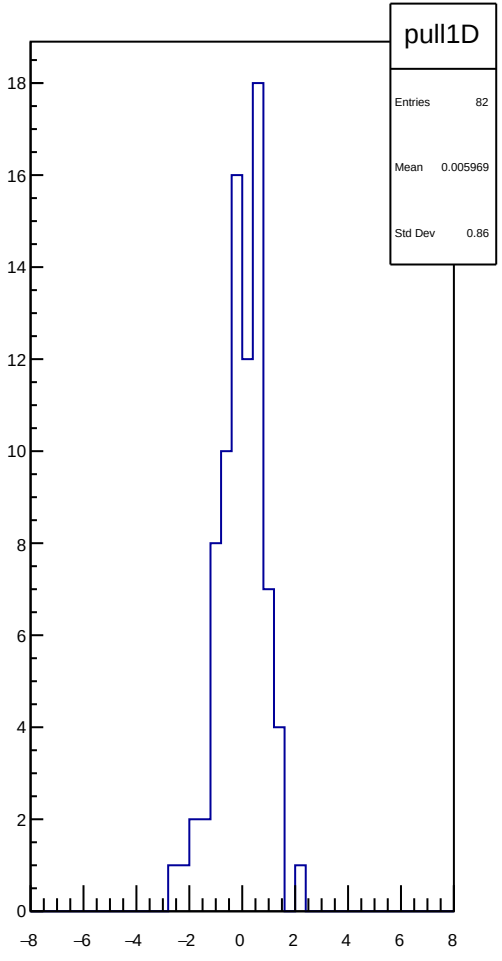

pull1D
Entries 82
Mean 0.005972
Std Dev 0.8601

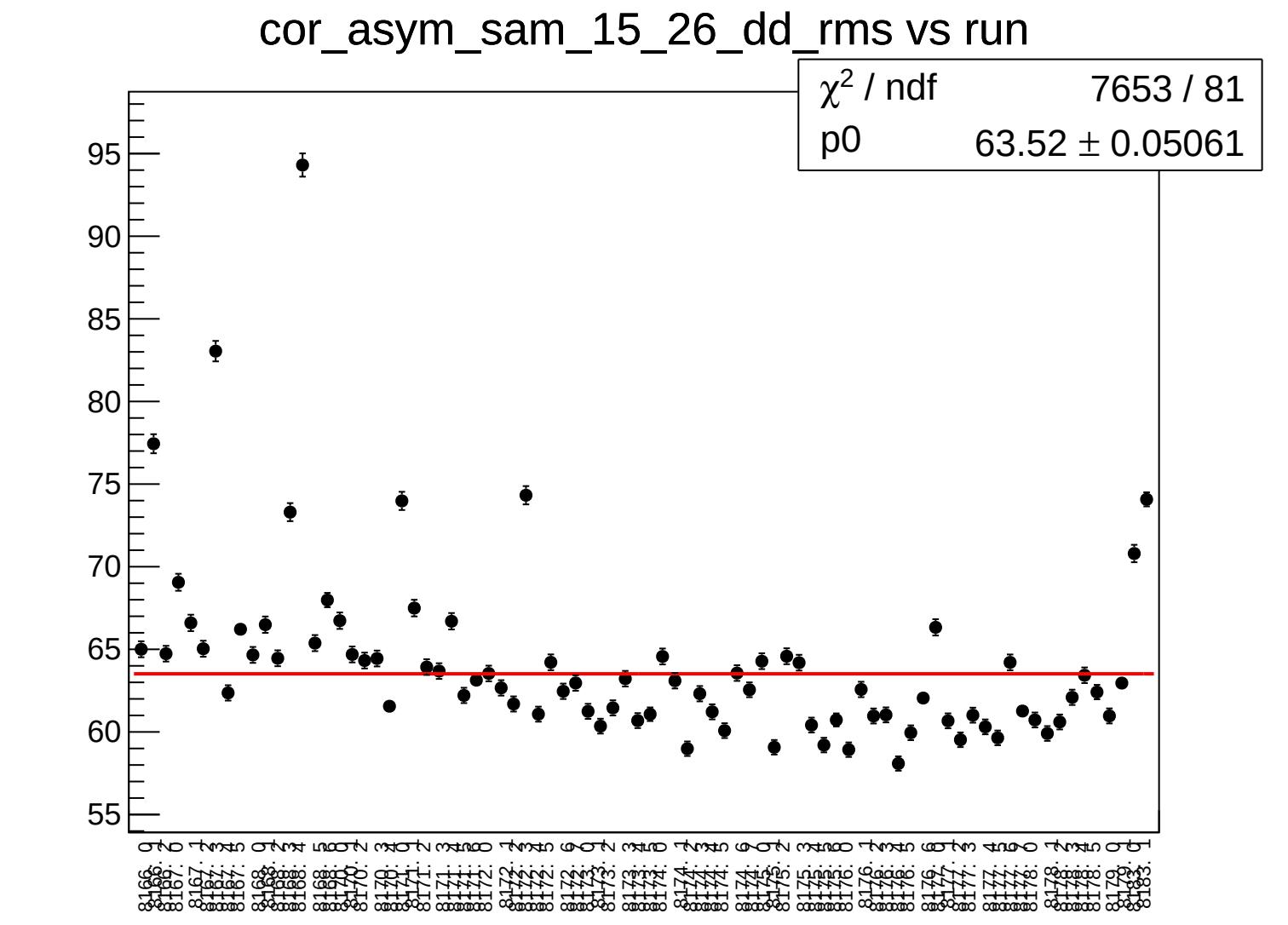

reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 7653 / 81
p0 63.52 ± 0.05061
95
90
85
80
75
70
65
60
55

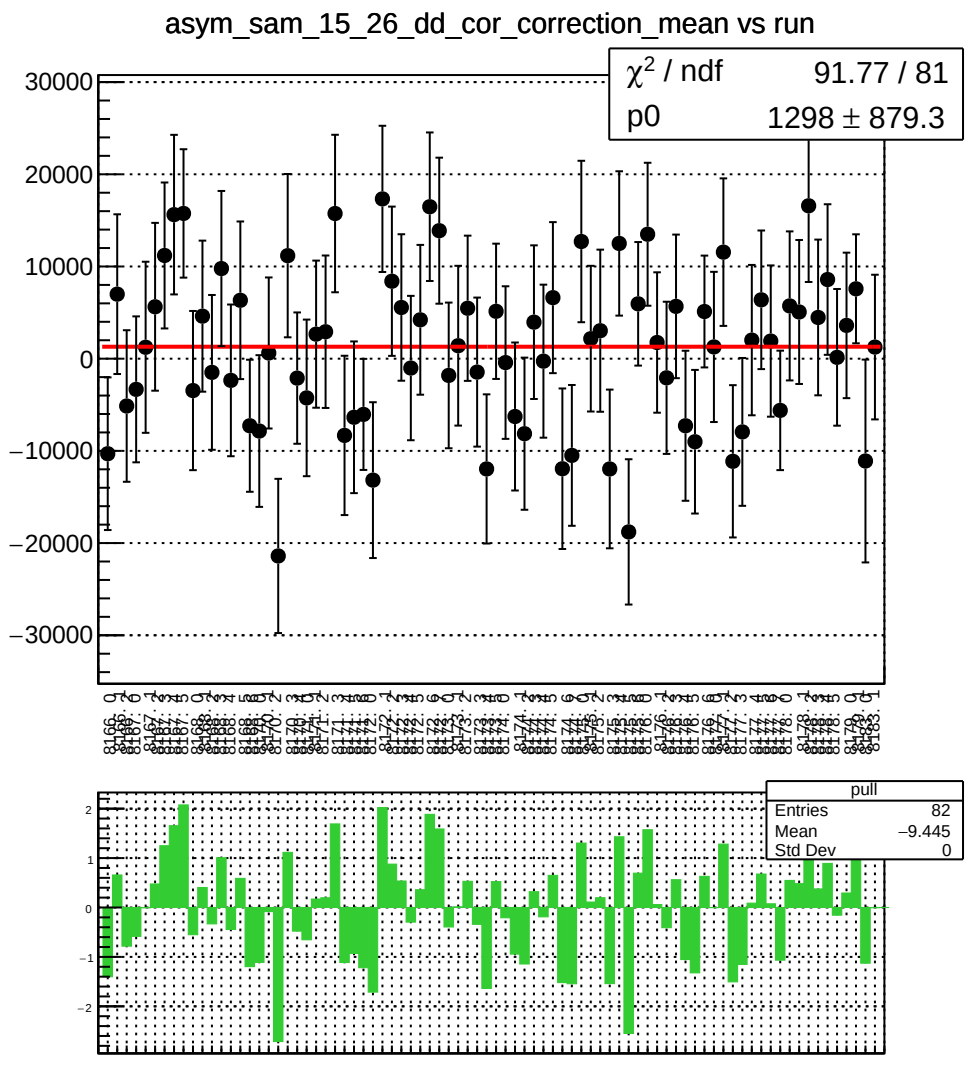

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 91.77 / 81
p0 1298 ± 879.3
pull
Entries 82
Mean −9.446
Std Dev 0
pull1D
Entries 82
Mean −0.007721
Std Dev 1.058

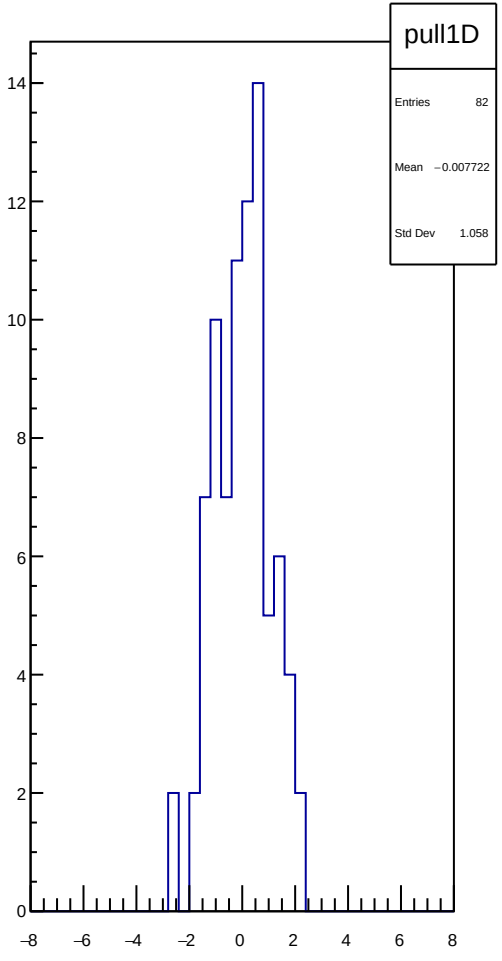

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 4769 / 81
p0 781.1 ± 0.6217
1050
1000
950
900
850
800
750
700

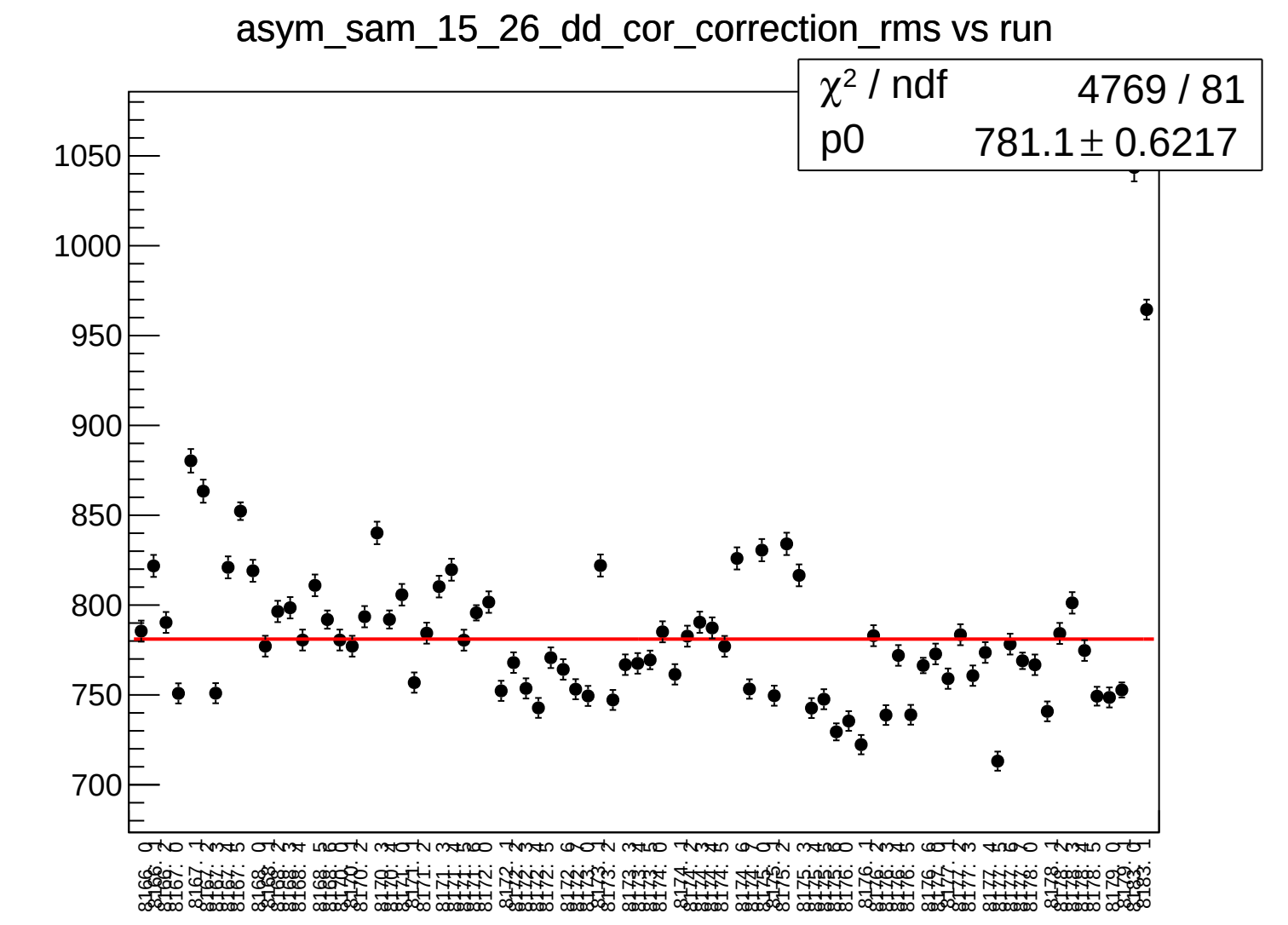

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.66 / 81
p0 69.83 ± 71.57
pull
Entries 82
Mean 205.1
Std Dev 0

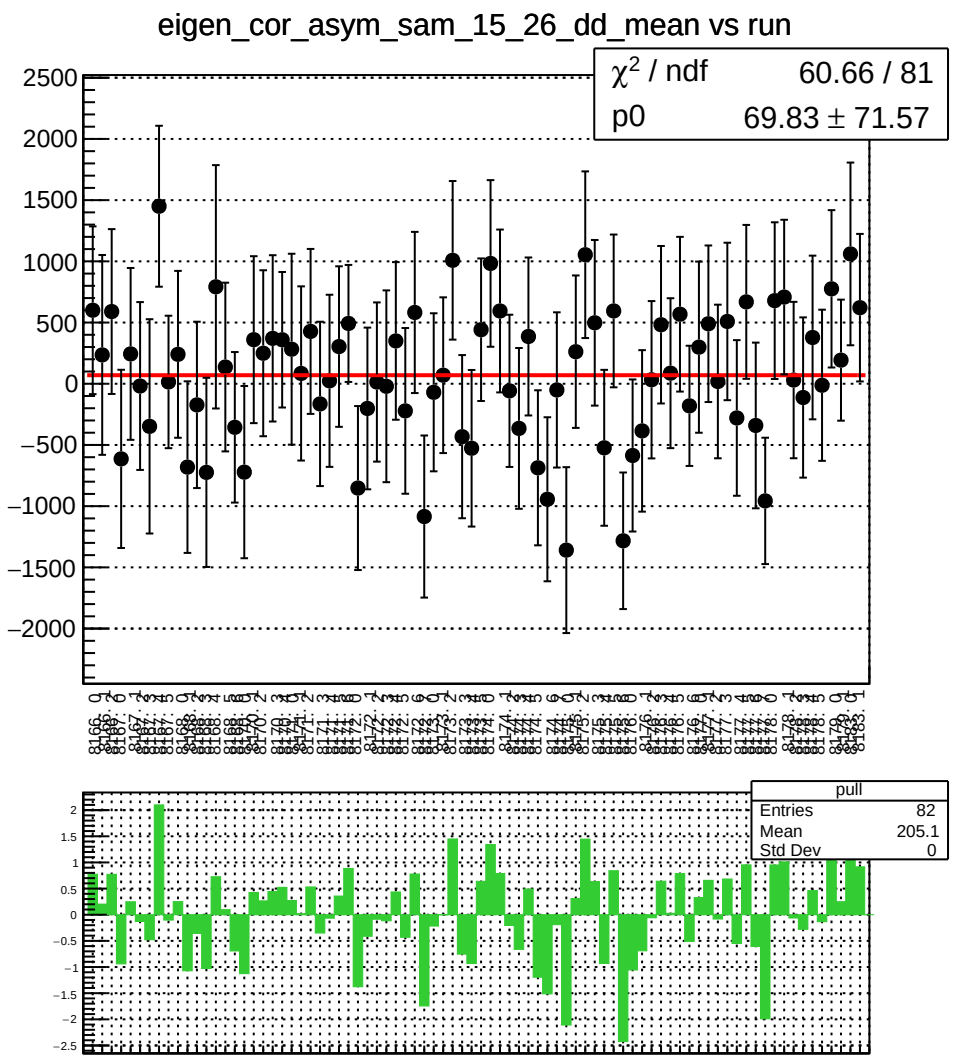

pull1D
Entries 82
Mean 0.005969
Std Dev 0.86

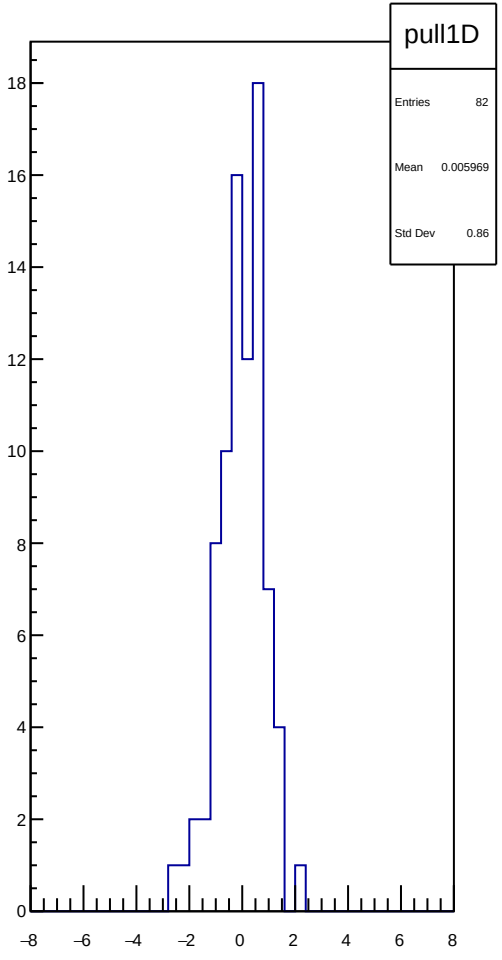

cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 7653 / 81
p0 63.52 ± 0.05061
95
90
85
80
75
70
65
60
55

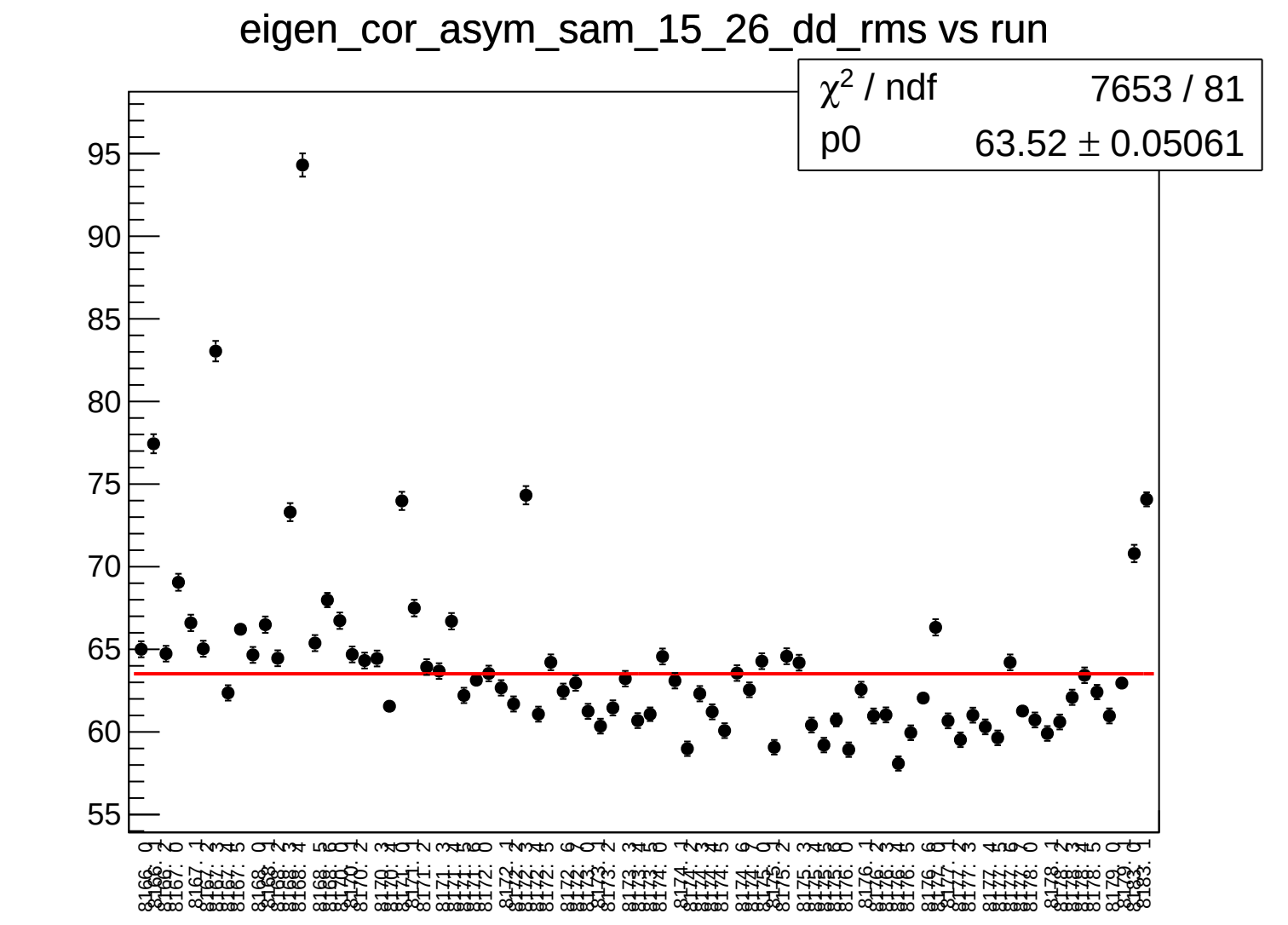

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 91.77 / 81
p0 1298 ± 879.3
pull
Entries 82
Mean −9.445
Std Dev 0

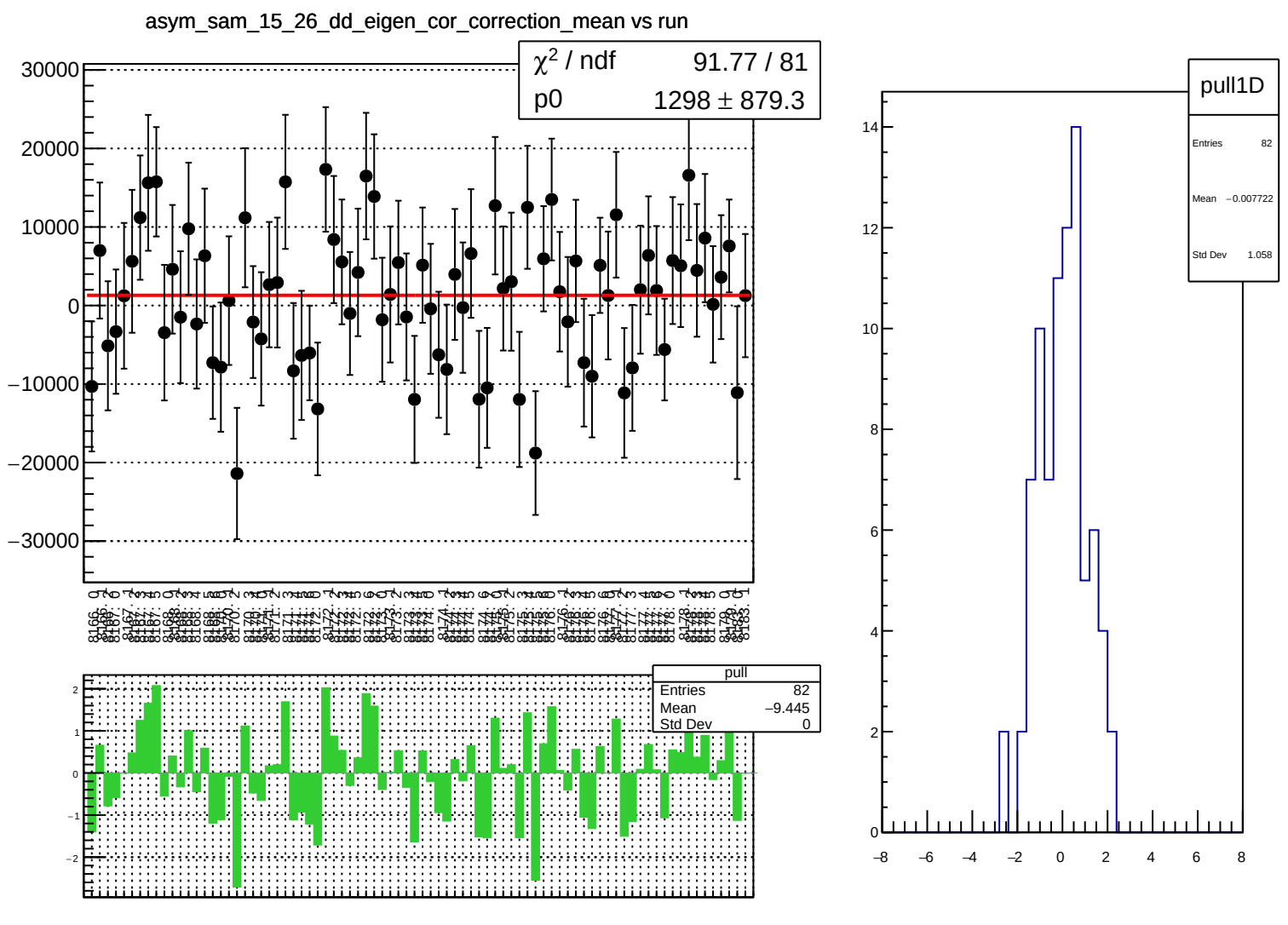

pull1D
Entries 82
Mean −0.007722
Std Dev 1.058

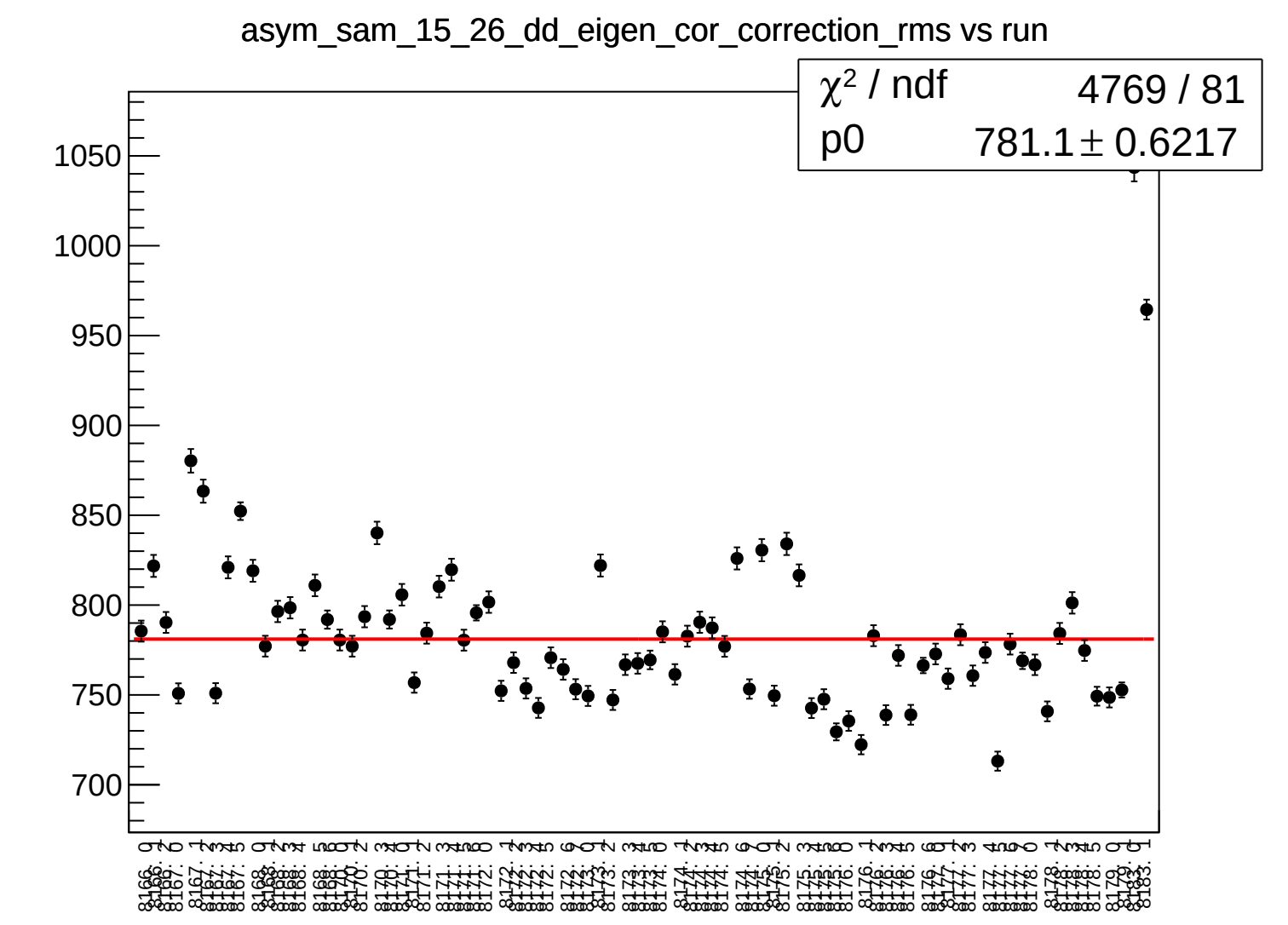

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 4769 / 81
p0 781.1 ± 0.6217
1050
1000
950
900
850
800
750
700

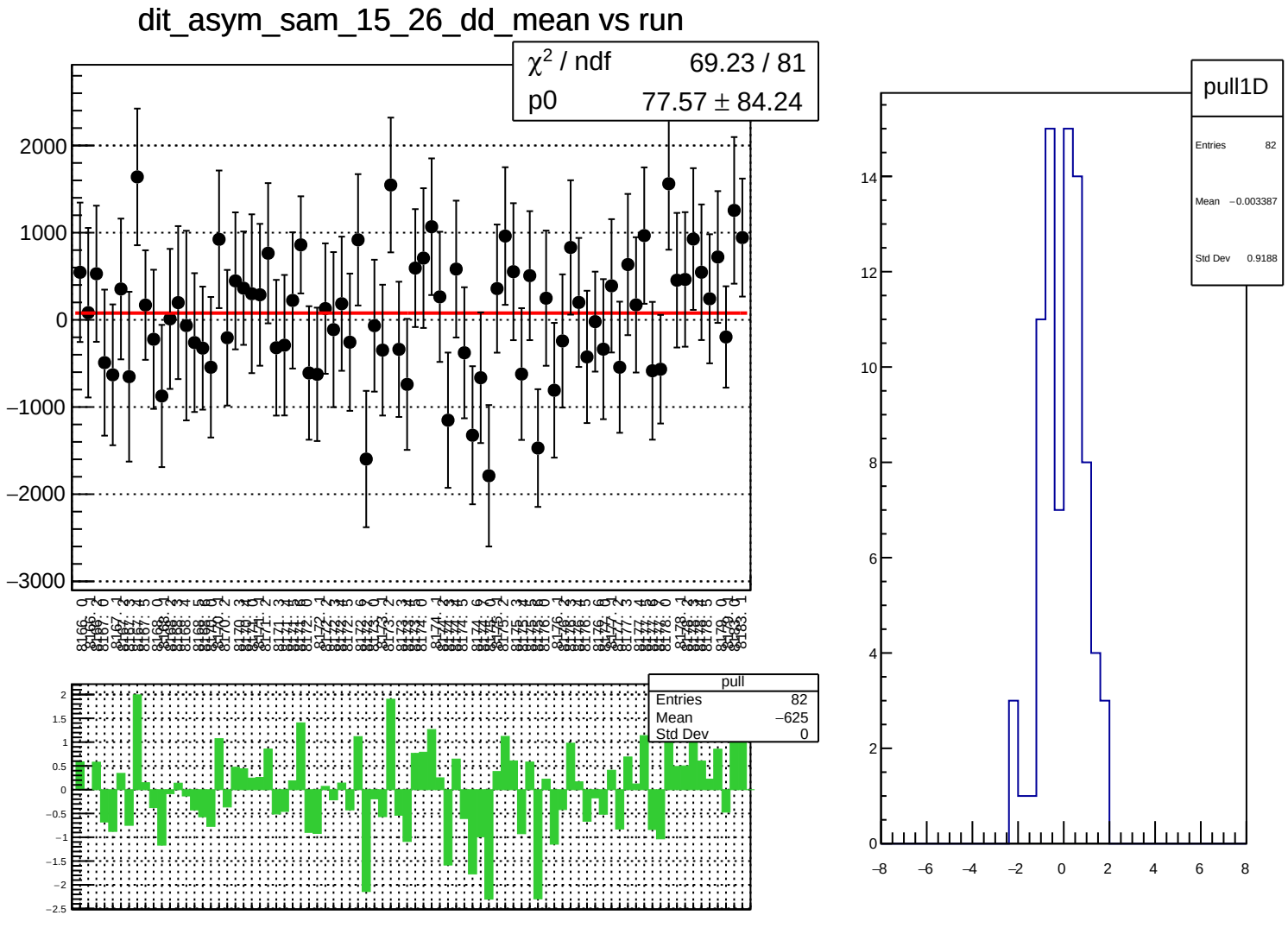

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 60.66 / 81
p0 69.83 ± 71.57
pull
Entries 82
Mean 205.1
Std Dev 0

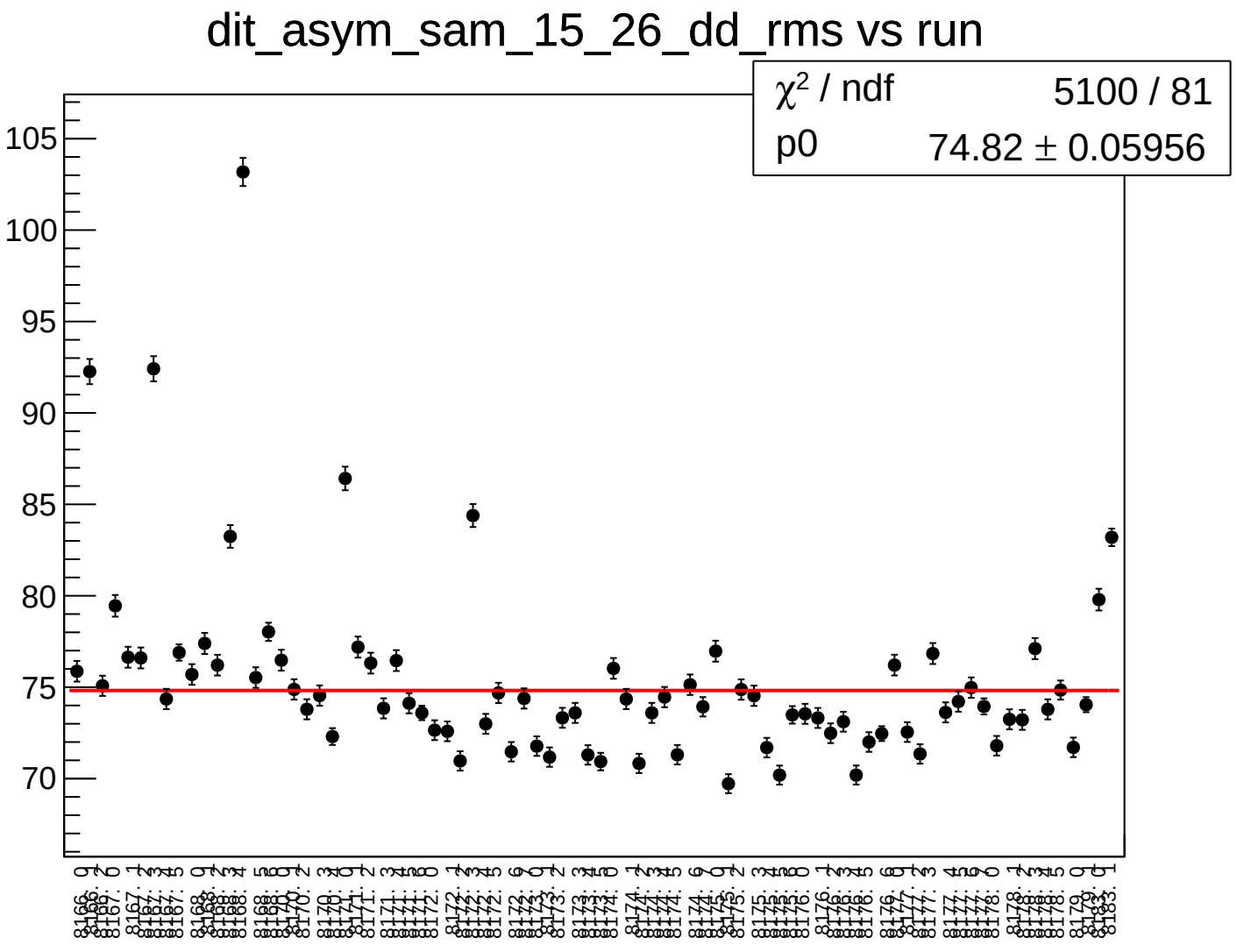

pull1D
Entries 82
Mean 0.005969
Std Dev 0.86

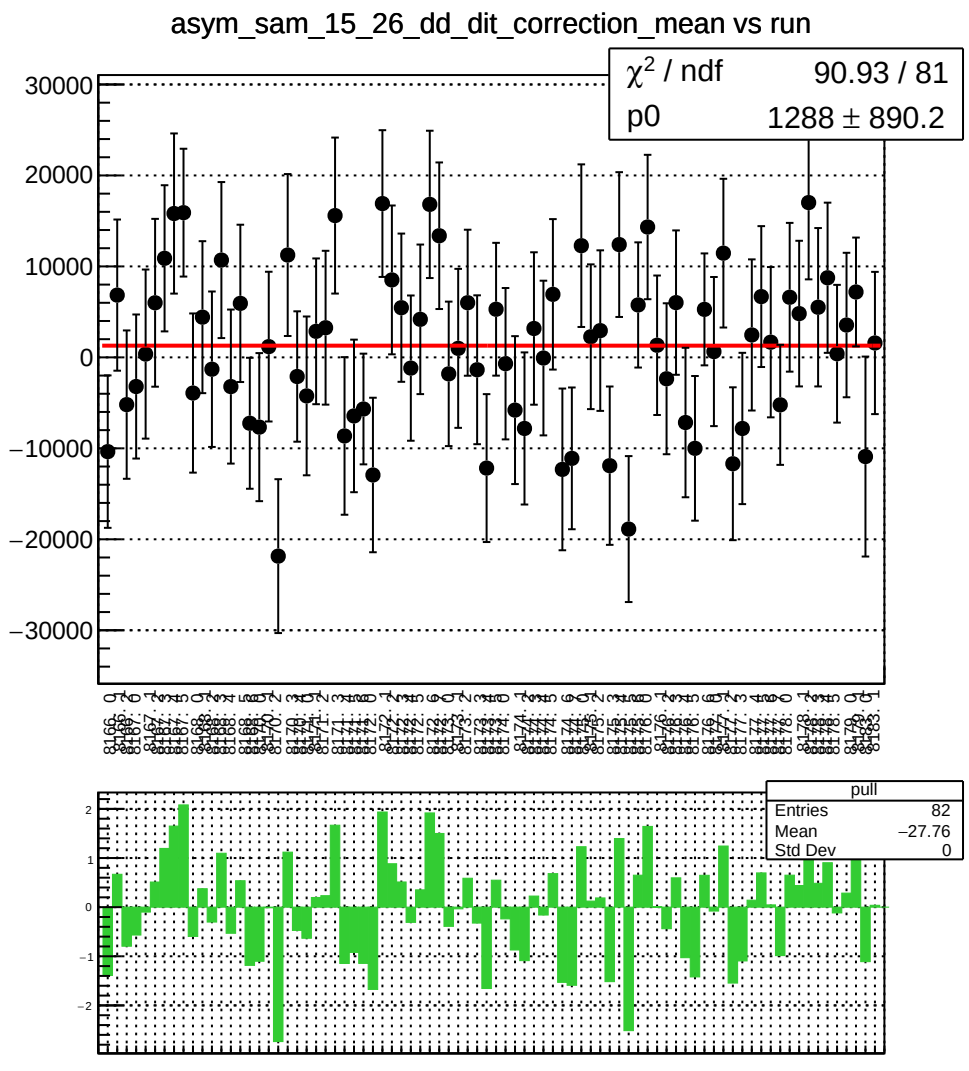

eigen_cor_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 7653 / 81
p0 63.52 ± 0.05061
95
90
85
80
75
70
65
60
55

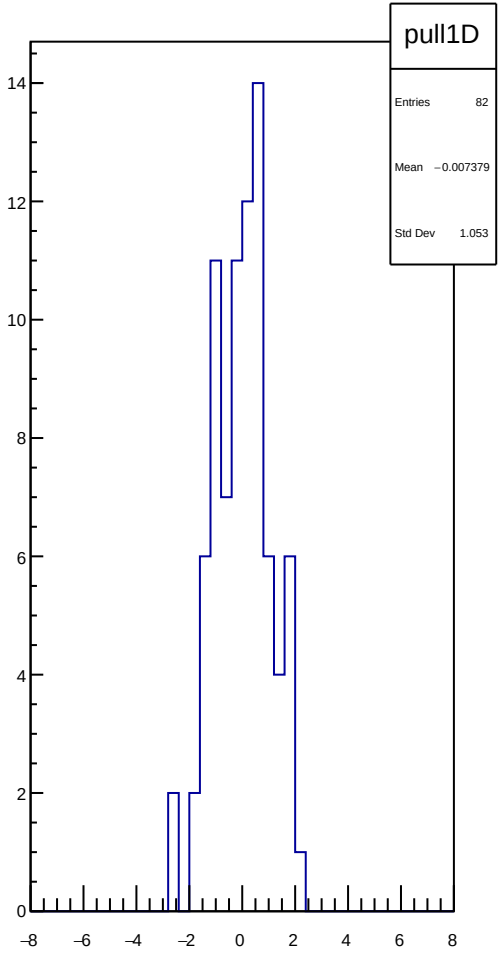

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 91.77 / 81
p0 1298 ± 879.3
pull
Entries 82
Mean −9.445
Std Dev 0
pull1D
Entries 82
Mean −0.007722
Std Dev 1.058

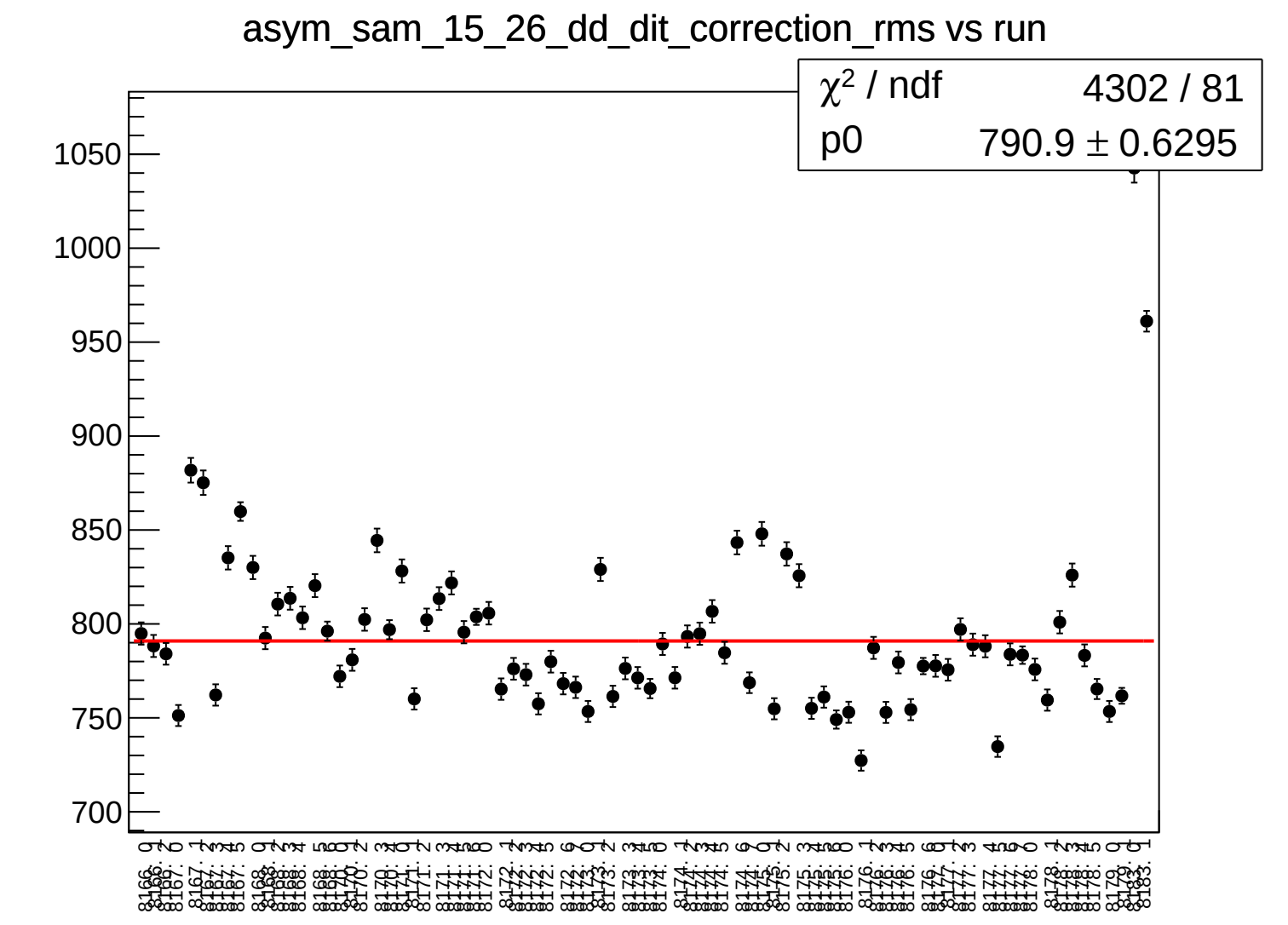

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 4769 / 81
p0 781.1 ± 0.6217
1050
1000
950
900
850
800
750
700

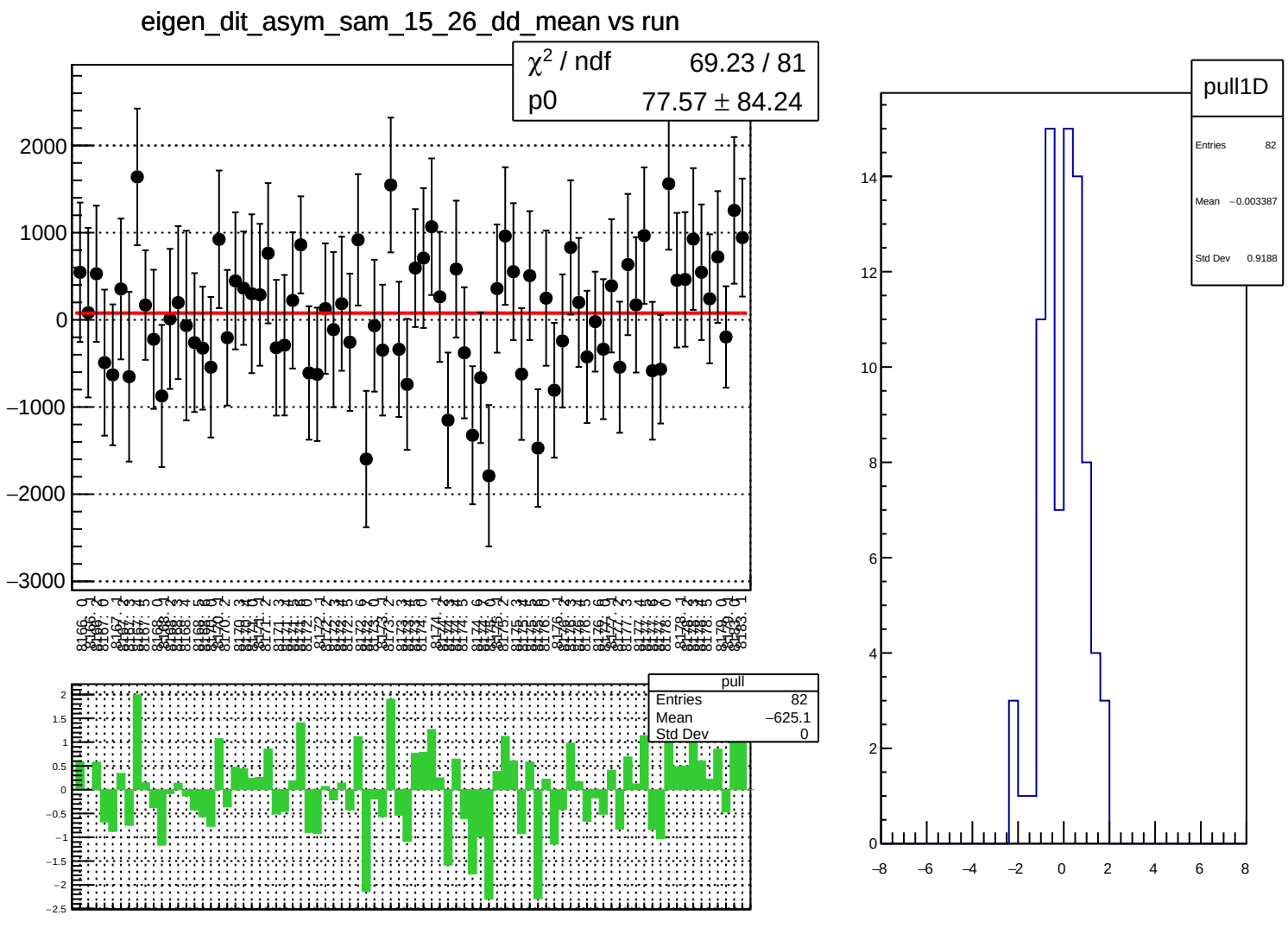

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.23 / 81
p0 77.57 ± 84.24
pull
Entries 82
Mean −625
Std Dev 0
pull1D
Entries 82
Mean −0.003387
Std Dev 0.9188

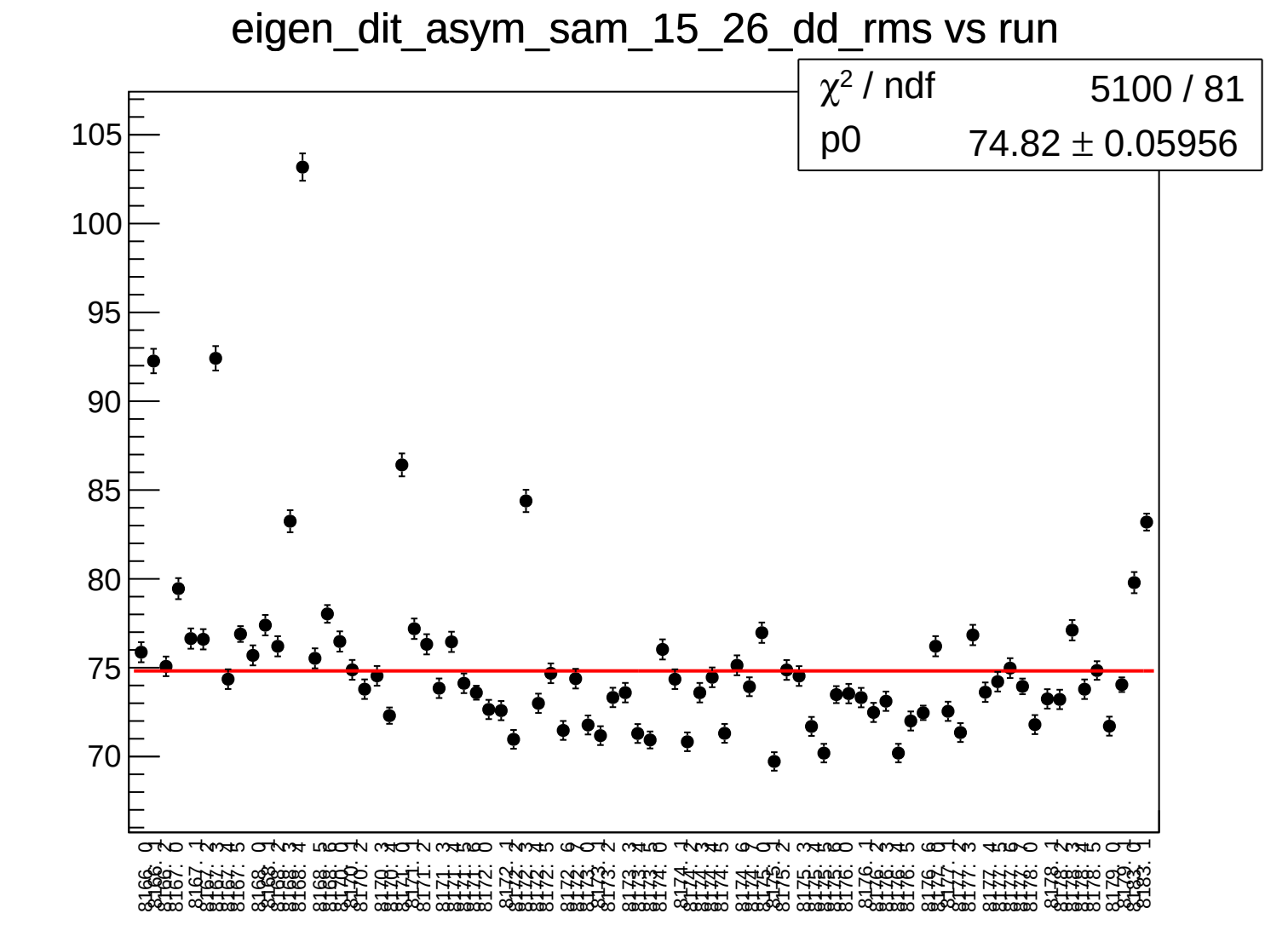

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5100 / 81
p0 74.82 ± 0.05956
105
100
95
90
85
80
75
70

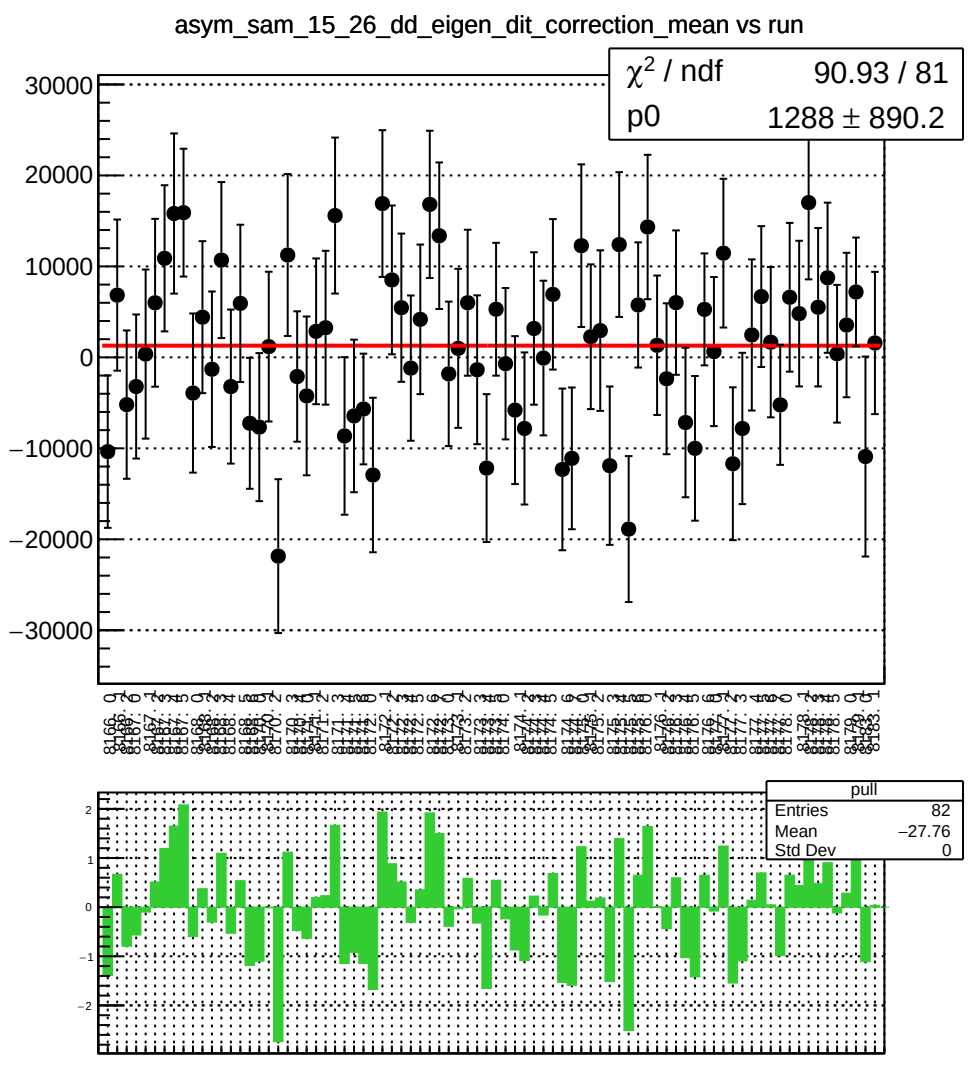

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 90.93 / 81
p0 1288 ± 890.2
pull
Entries 82
Mean −27.76
Std Dev 0

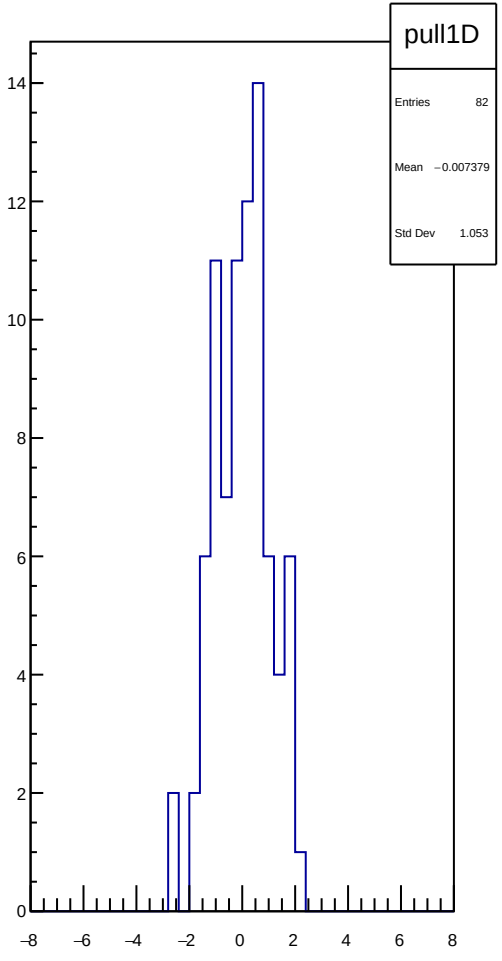

pull1D
Entries 82
Mean −0.007379
Std Dev 1.053

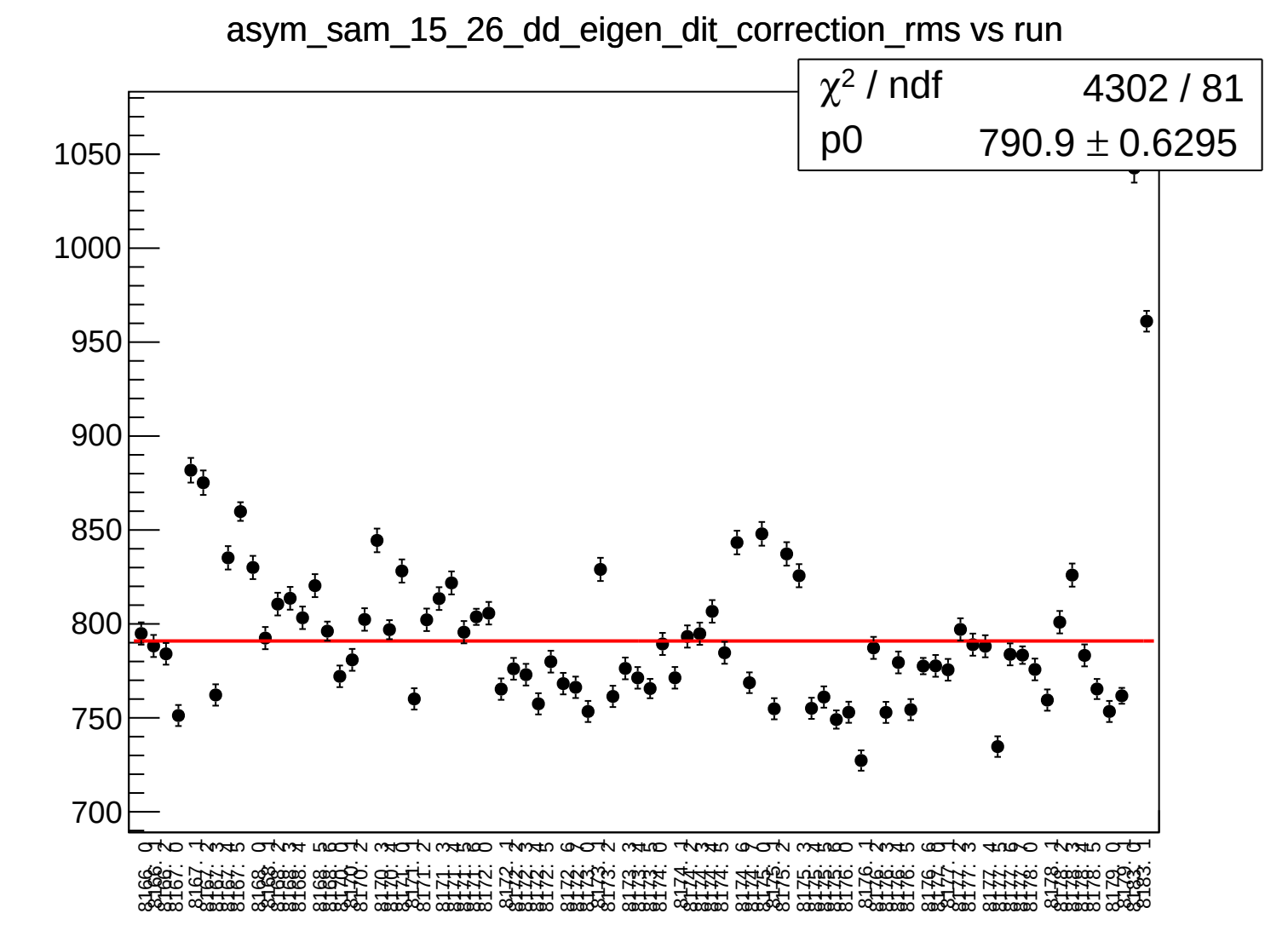

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 4302 / 81
p0 790.9 ± 0.6295
1050
1000
950
900
850
800
750
700

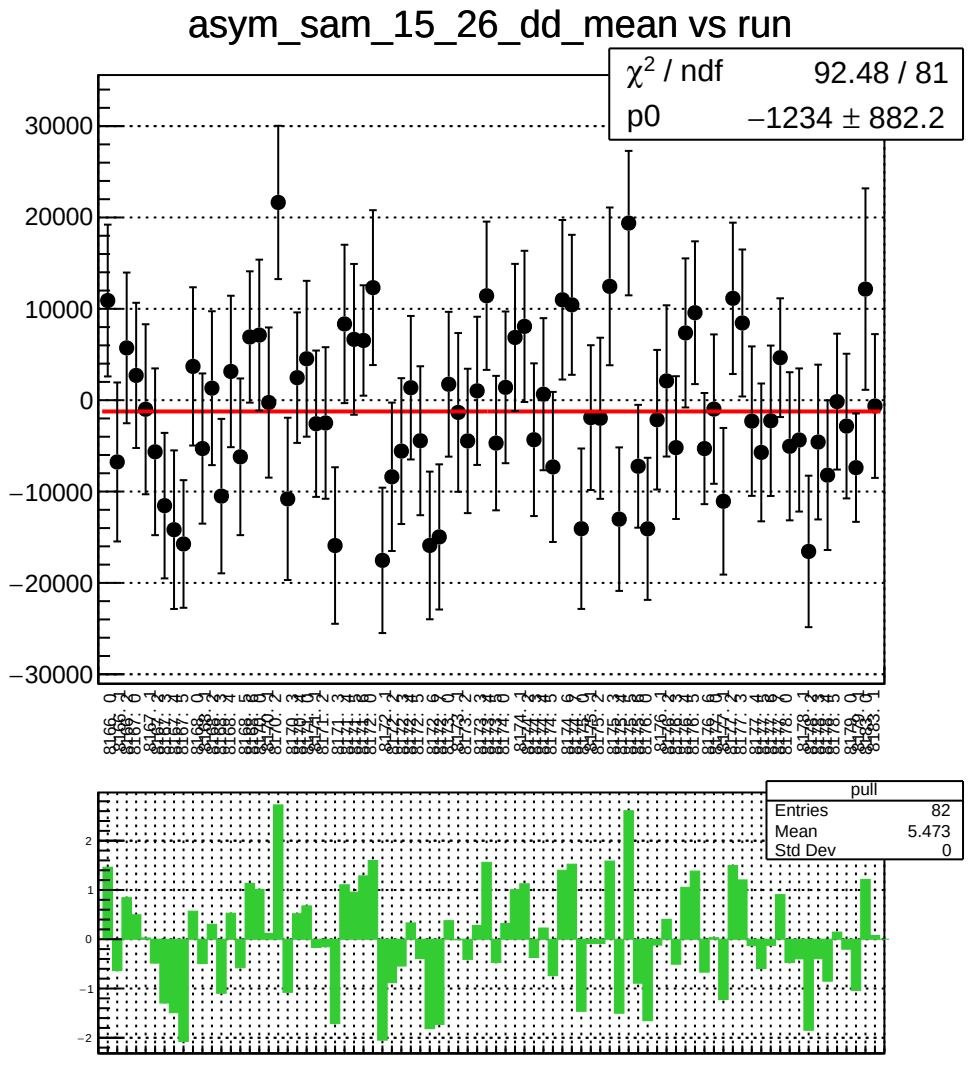

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.23 / 81
p0 77.57 ± 84.24
pull
Entries 82
Mean −625.1
Std Dev 0
pull1D
Entries 82
Mean −0.003387
Std Dev 0.9188

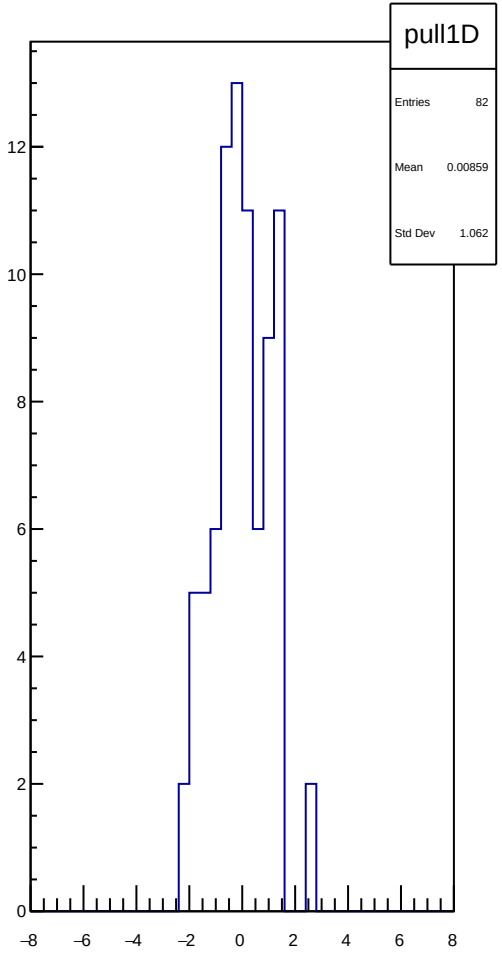

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 5100 / 81
p0 74.82 ± 0.05956
105
100
95
90
85
80
75
70

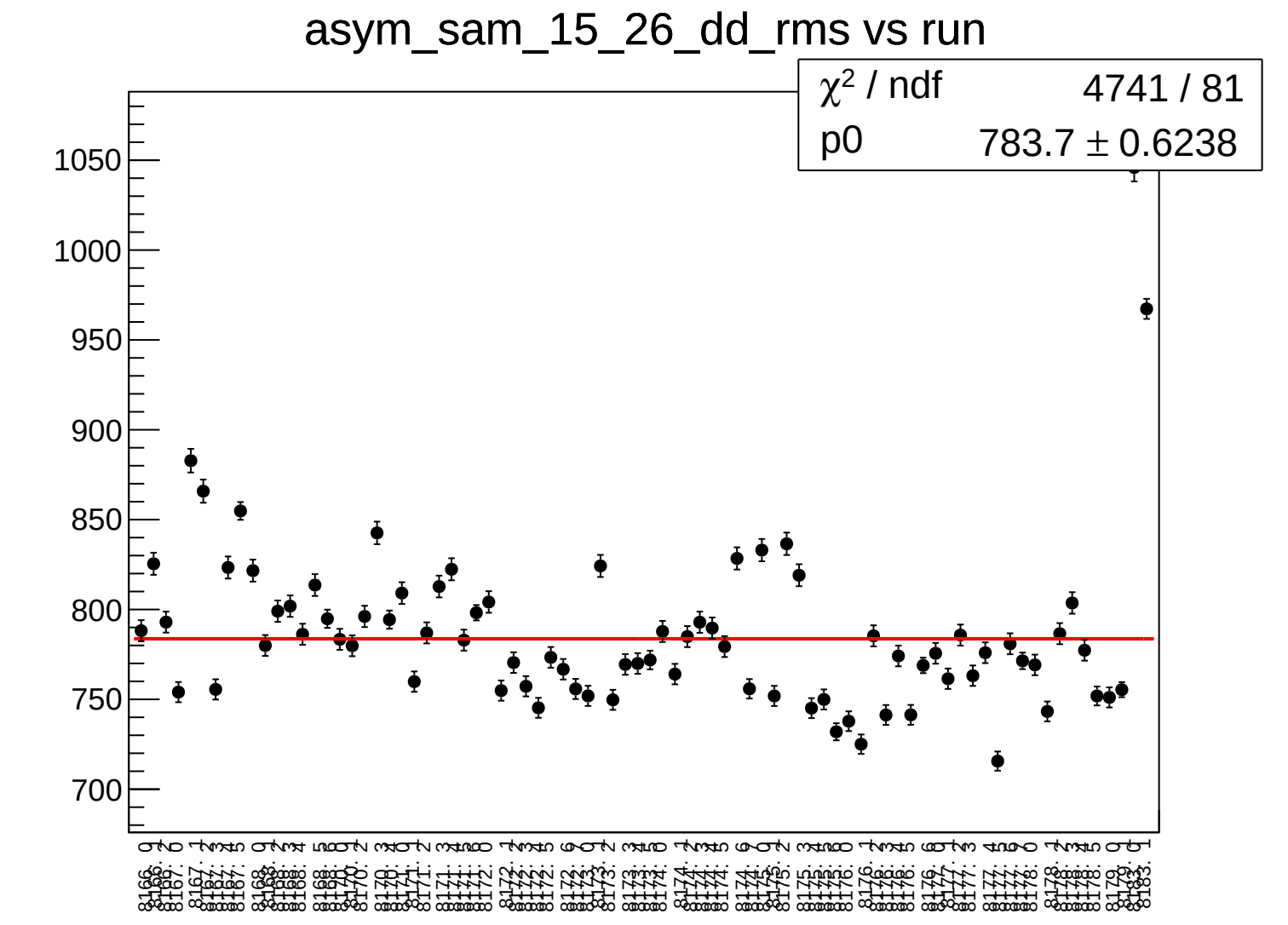

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 90.93 / 81
p0 1288 ± 890.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −27.76
Std Dev 0
2
1
0
−1
−2

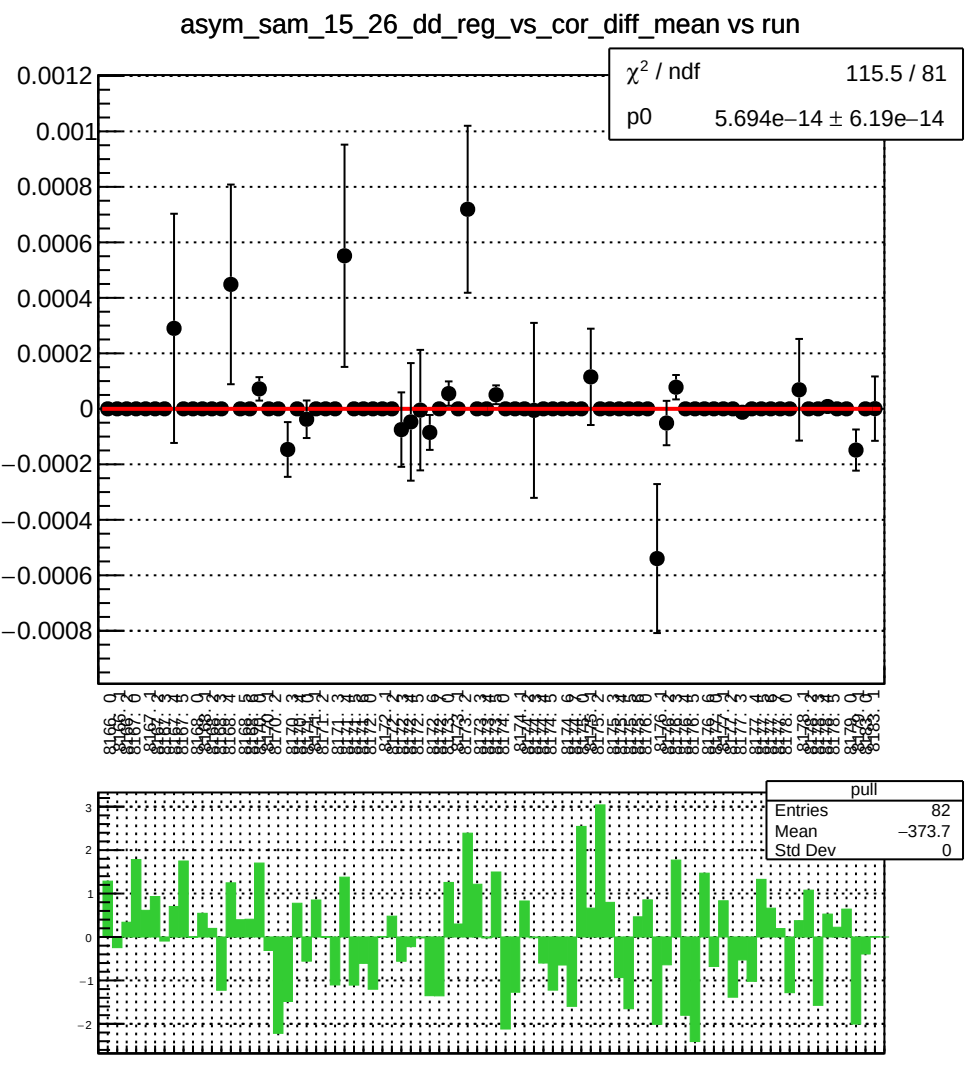

pull1D
Entries 82
Mean −0.007379
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

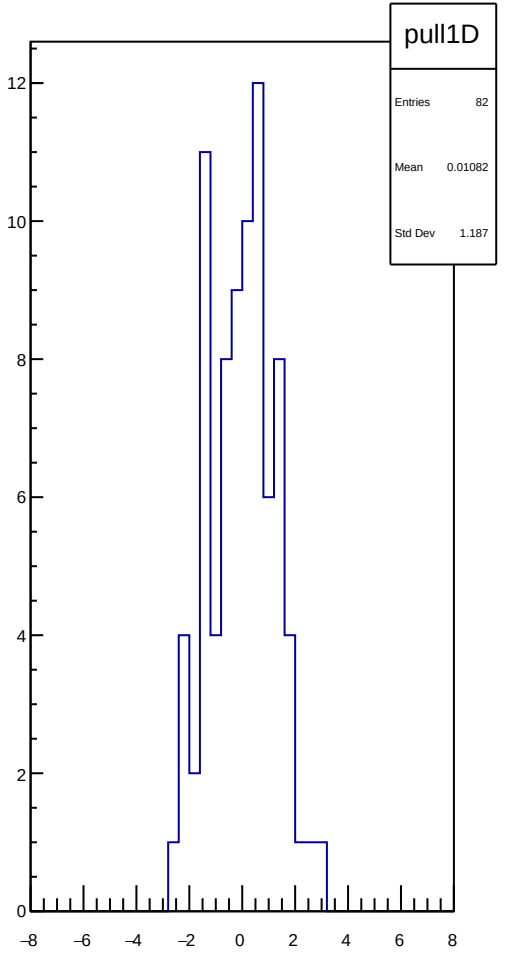

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 4302 / 81
p0 790.9 ± 0.6295
1050
1000
950
900
850
800
750
700

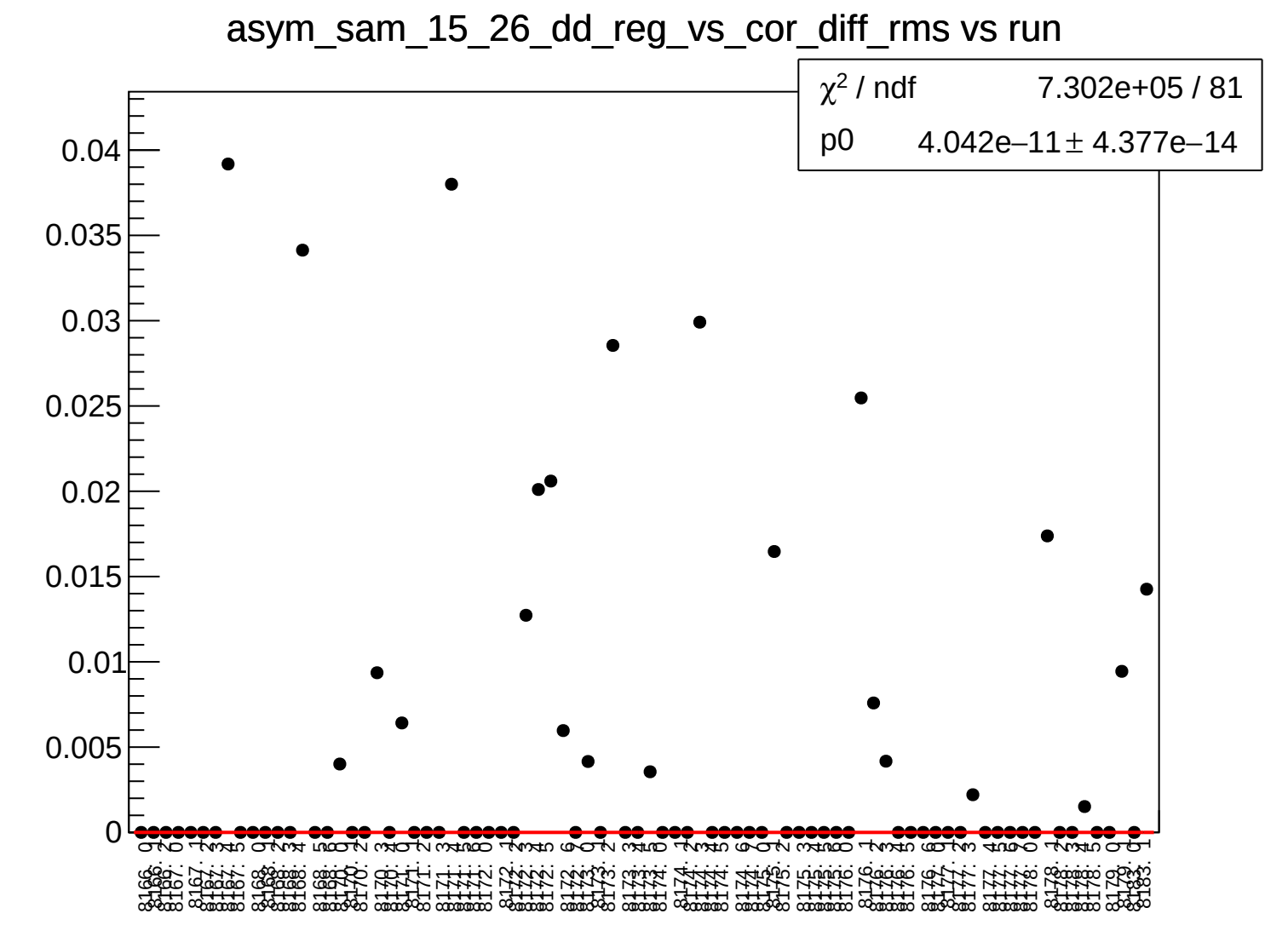

asym_sam_15_26_dd_mean vs run
χ² / ndf 92.48 / 81
p0 −1234 ± 882.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 5.473
Std Dev 0
2
1
0
−1
−2

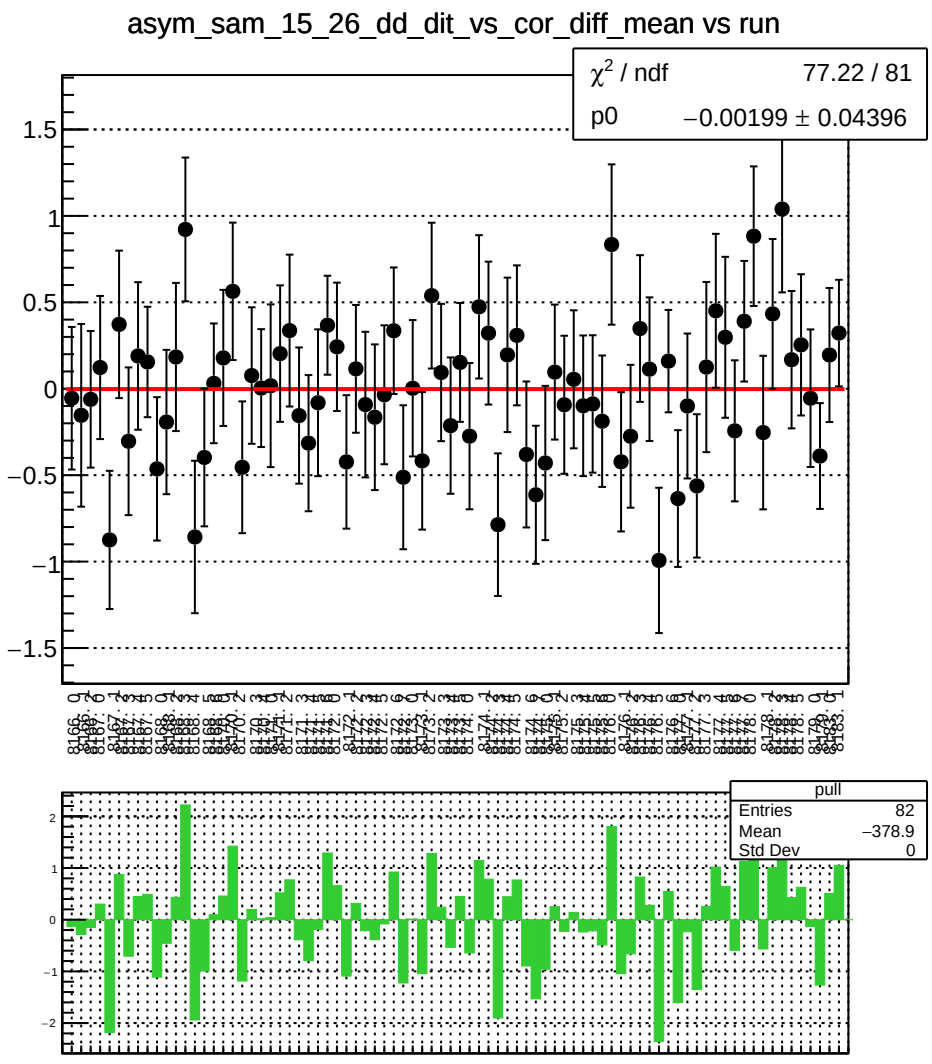

pull1D
Entries 82
Mean 0.00859
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

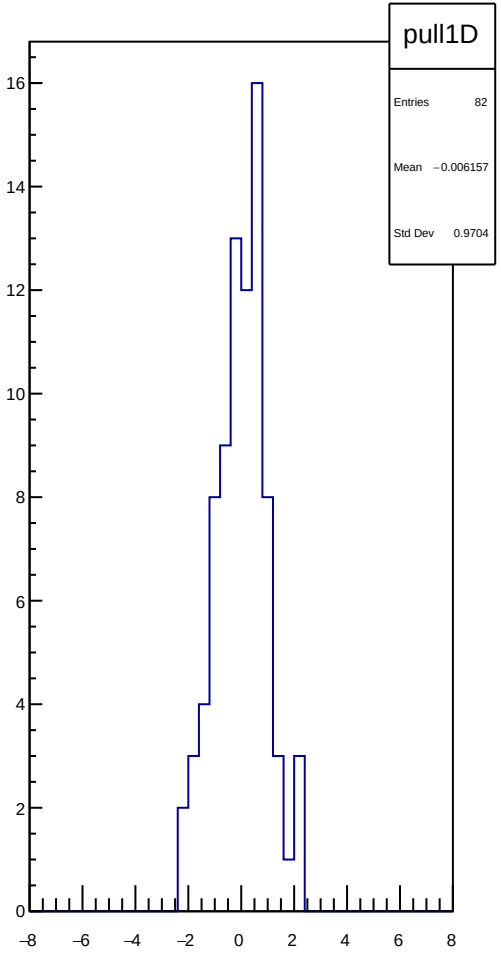

asym_sam_15_26_dd_rms vs run
χ² / ndf 4741 / 81
p0 783.7 ± 0.6238
1050
1000
950
900
850
800
750
700

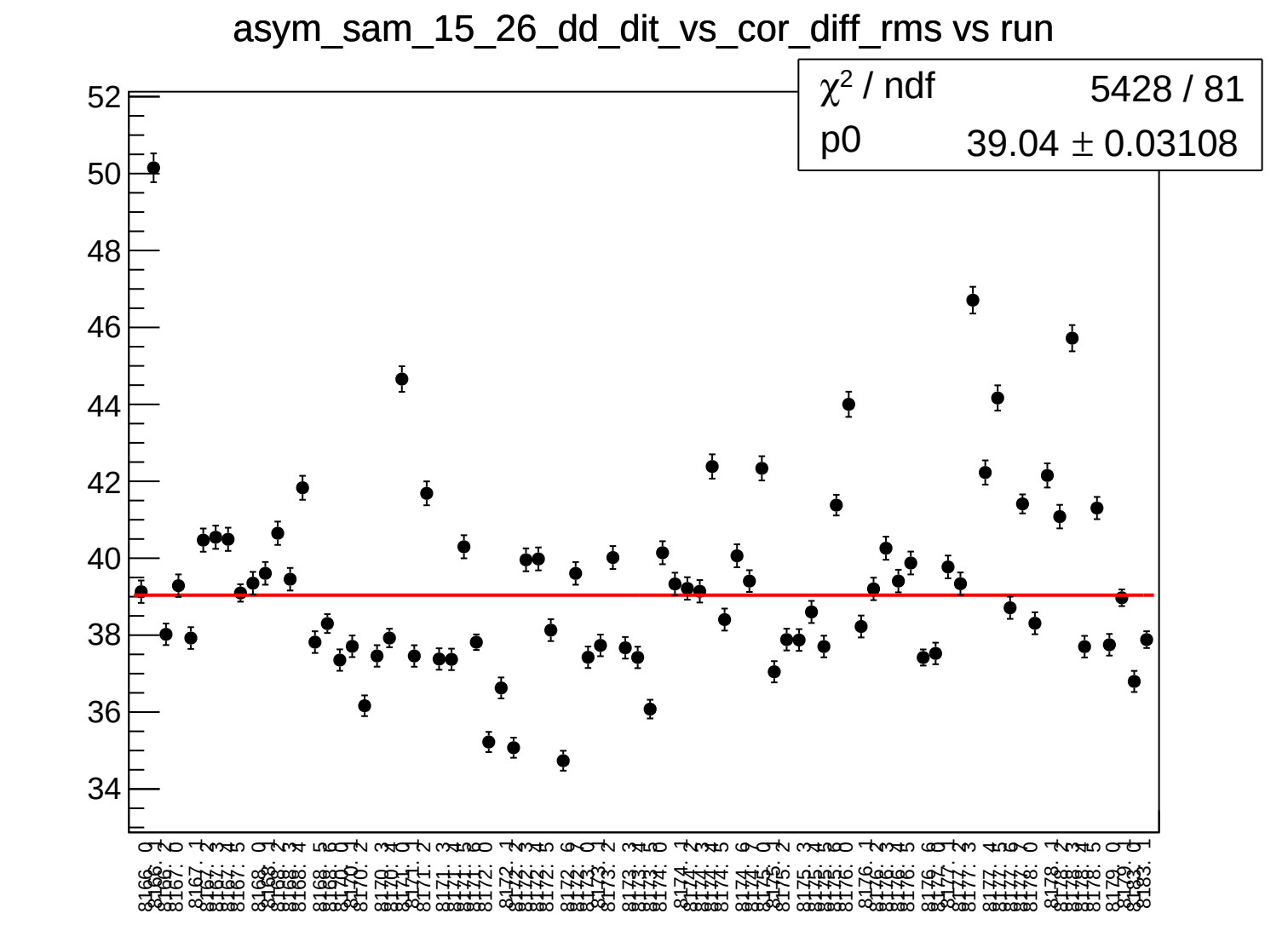

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 115.5 / 81
p0 5.694e−14 ± 6.19e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
pull
Entries 82
Mean −373.7
Std Dev 0
3
2
1
0
−1
−2

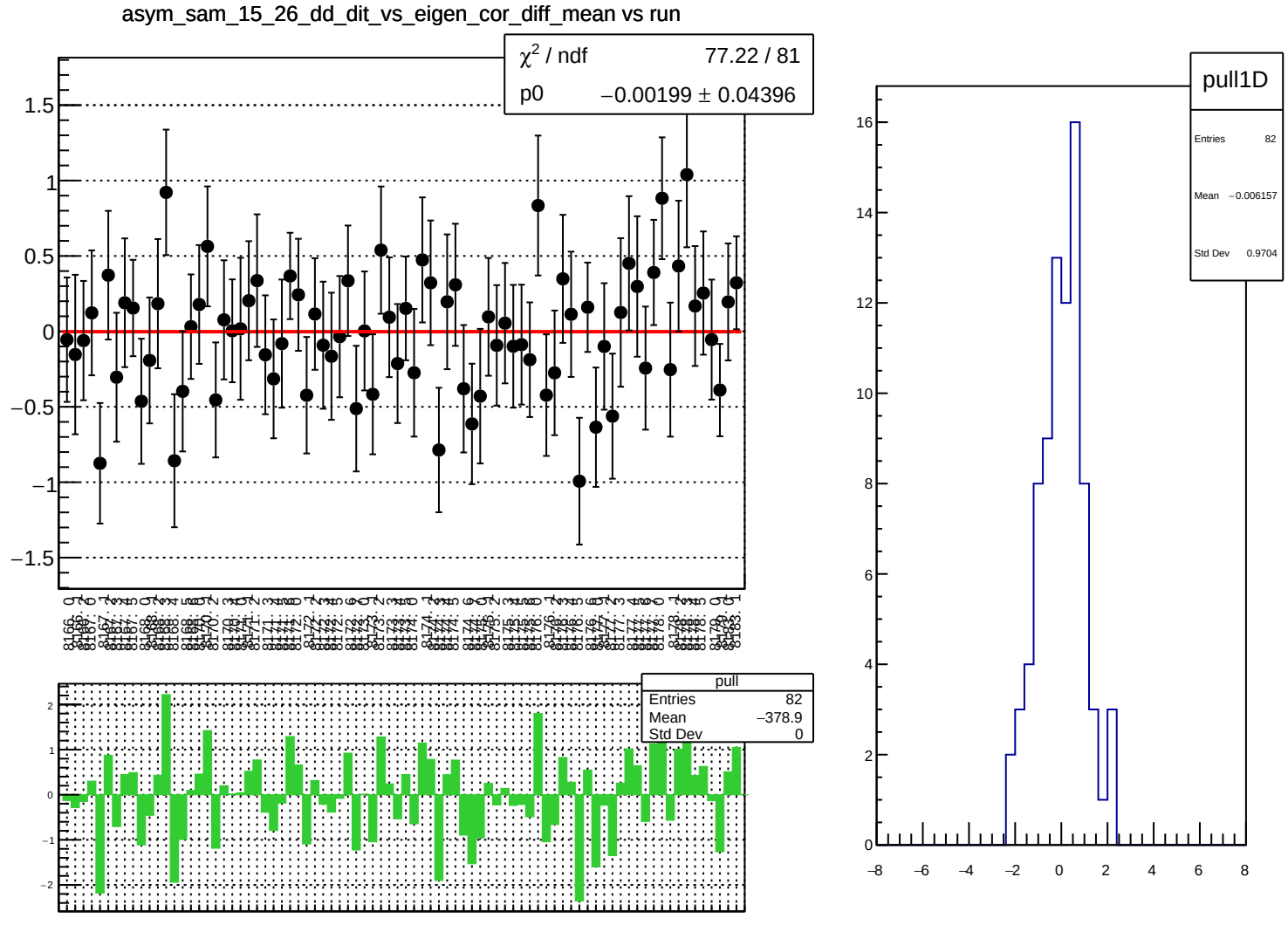

pull1D
Entries 82
Mean 0.01082
Std Dev 1.187
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

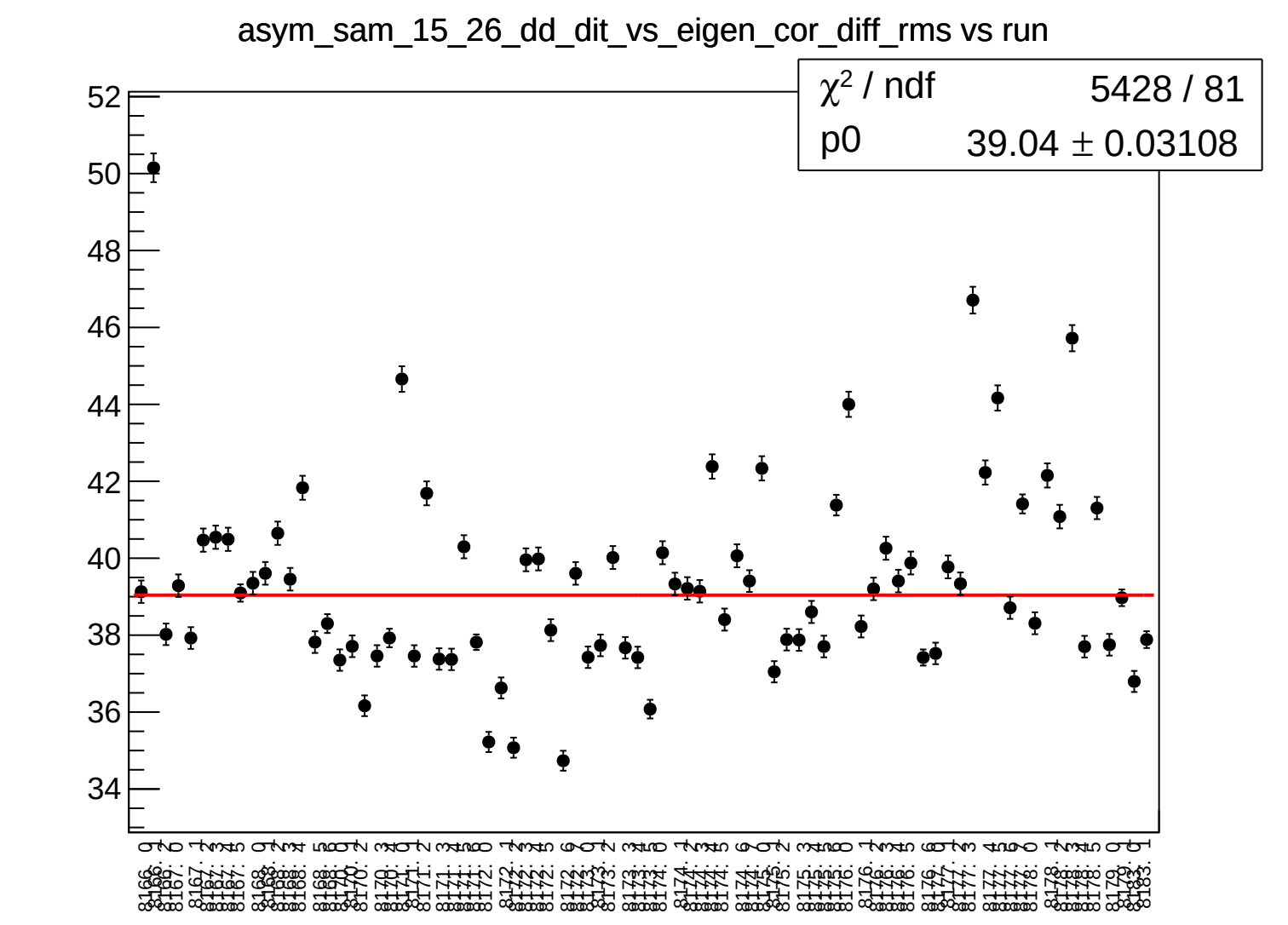

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.302e+05 / 81
p0 4.042e−11 ± 4.377e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

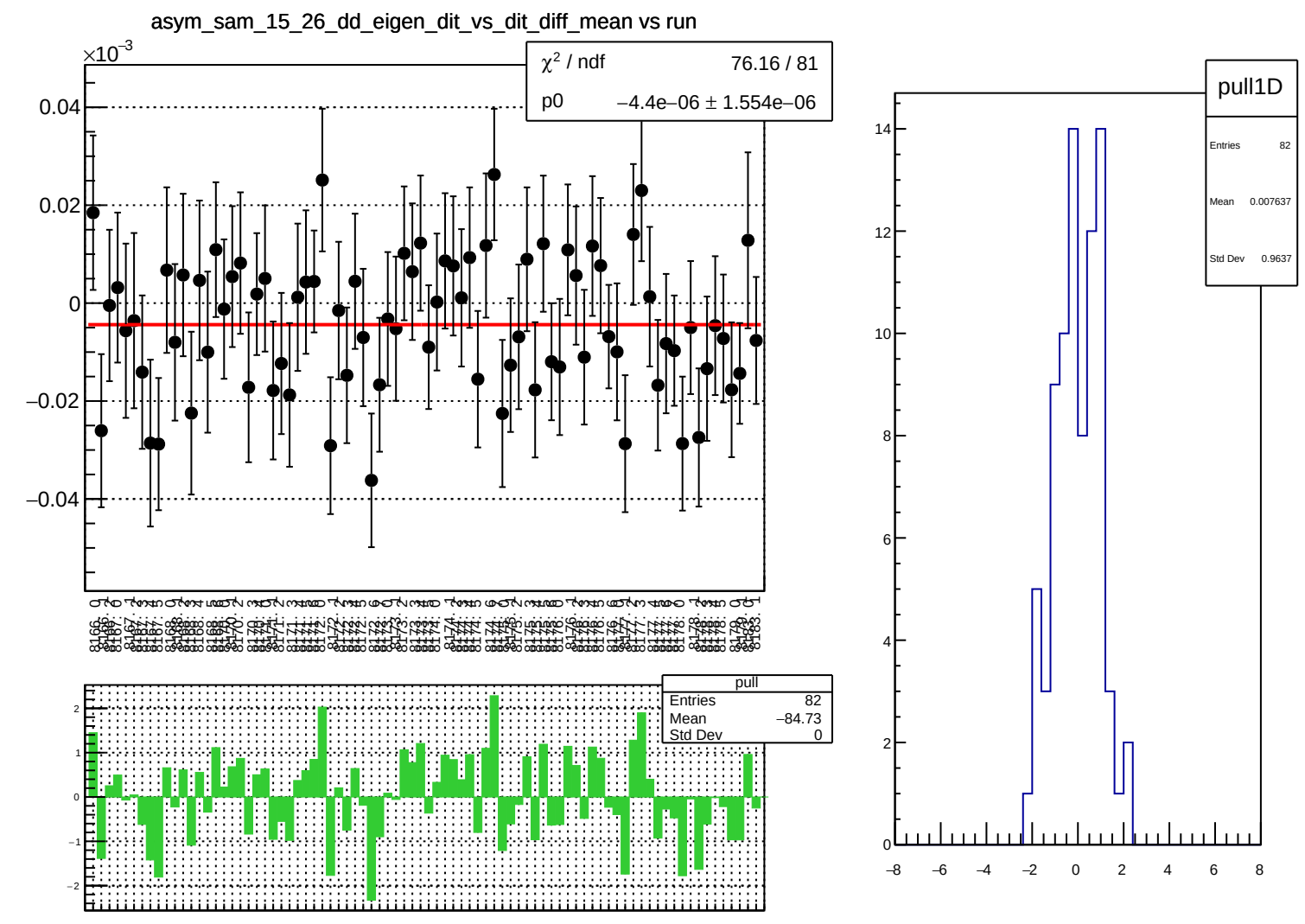

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.22 / 81
p0 −0.00199 ± 0.04396
pull
Entries 82
Mean −378.9
Std Dev 0

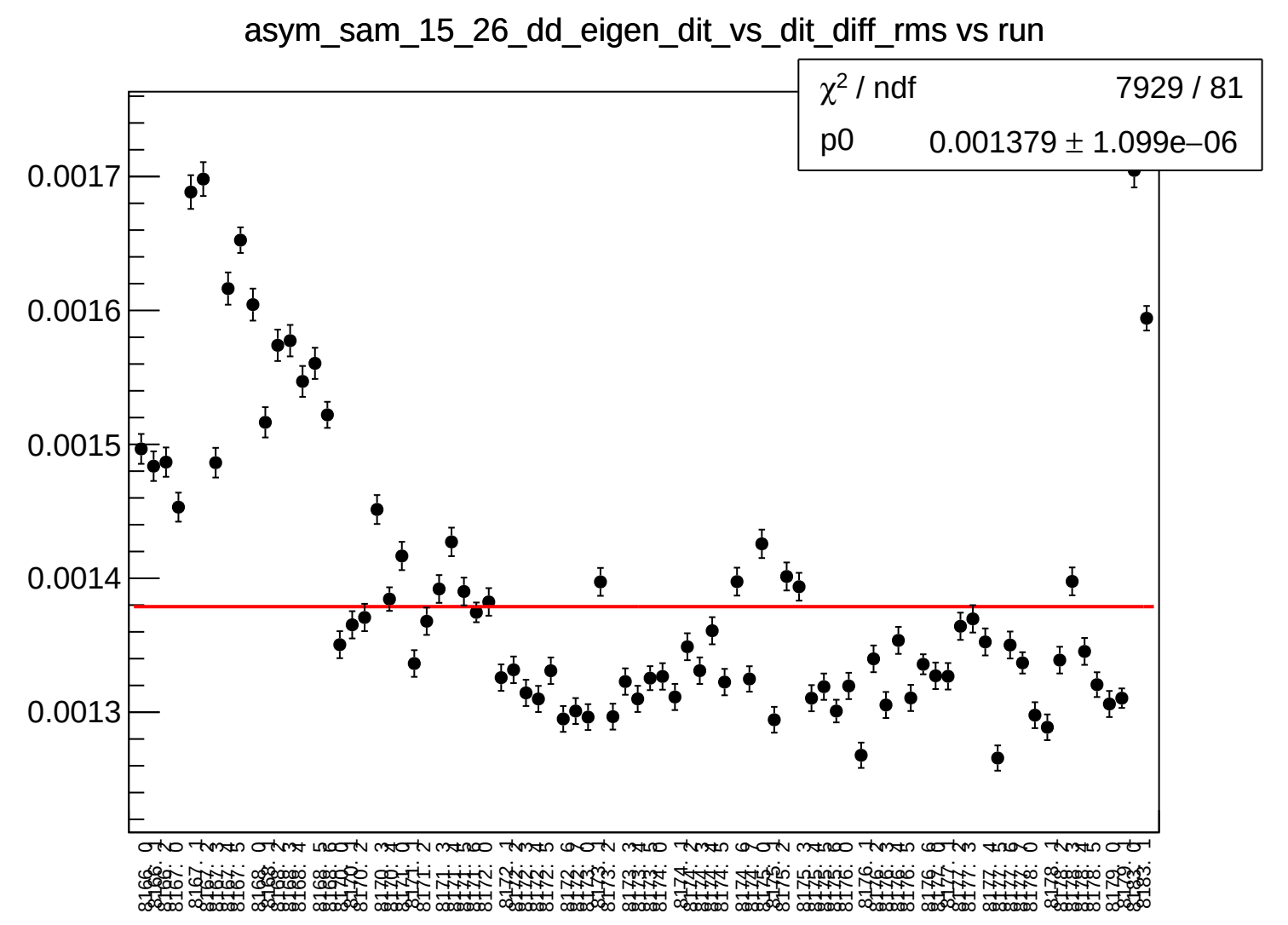

pull1D
Entries 82
Mean −0.006157
Std Dev 0.9704

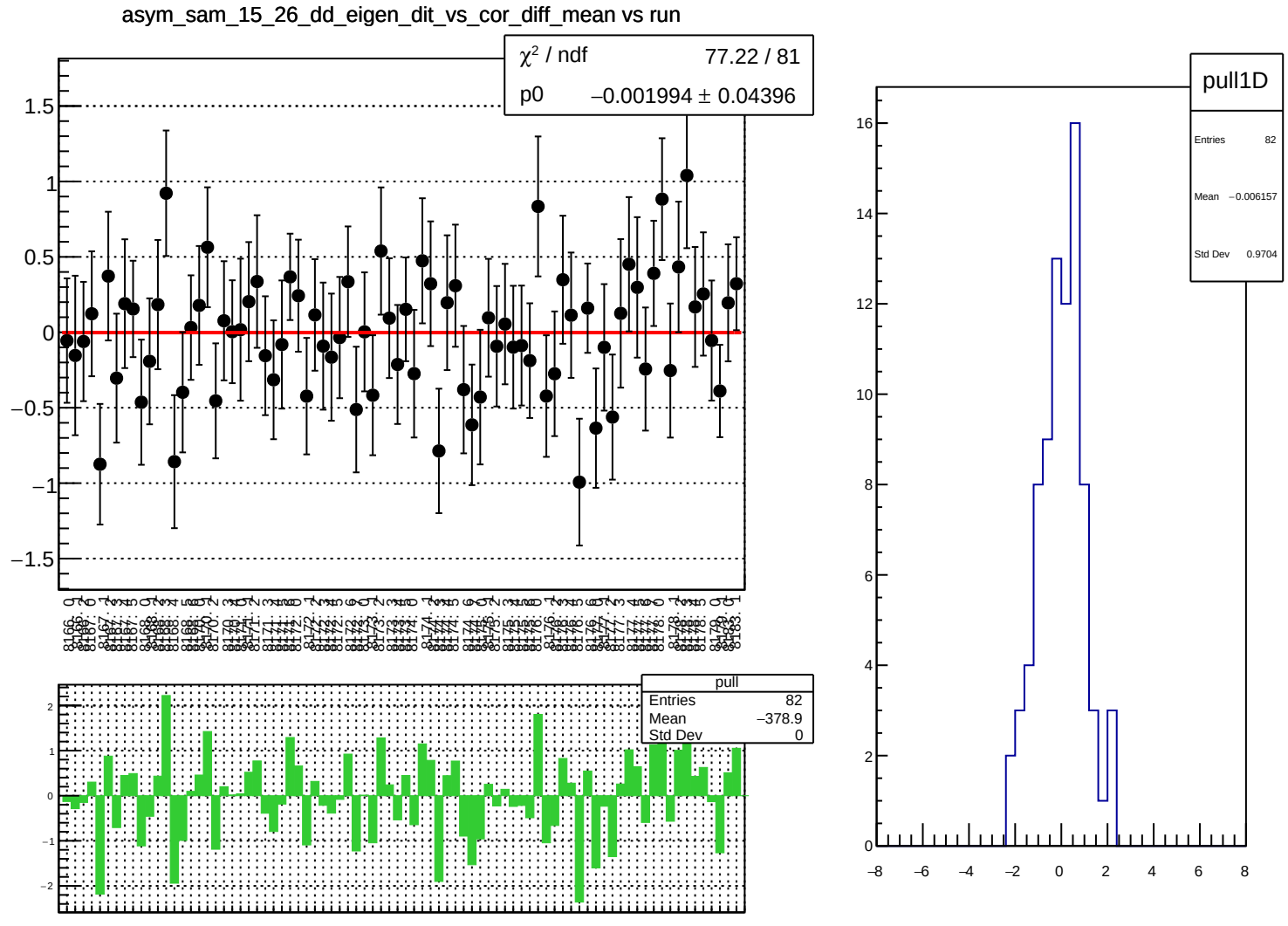

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5428 / 81
p0 39.04 ± 0.03108
52
50
48
46
44
42
40
38
36
34

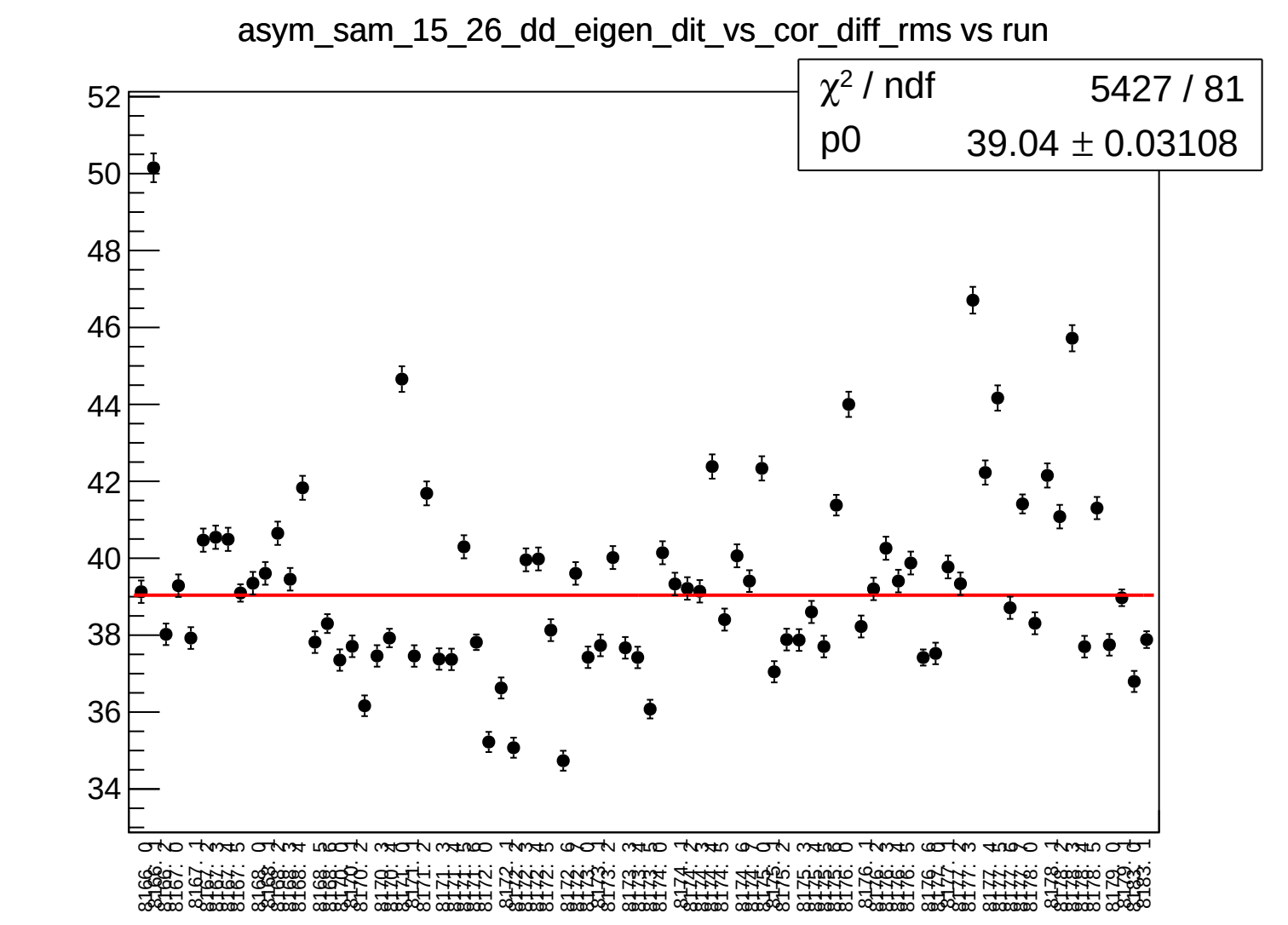

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.22 / 81
p0 −0.00199 ± 0.04396
pull
Entries 82
Mean −378.9
Std Dev 0
pull1D
Entries 82
Mean −0.006157
Std Dev 0.9704

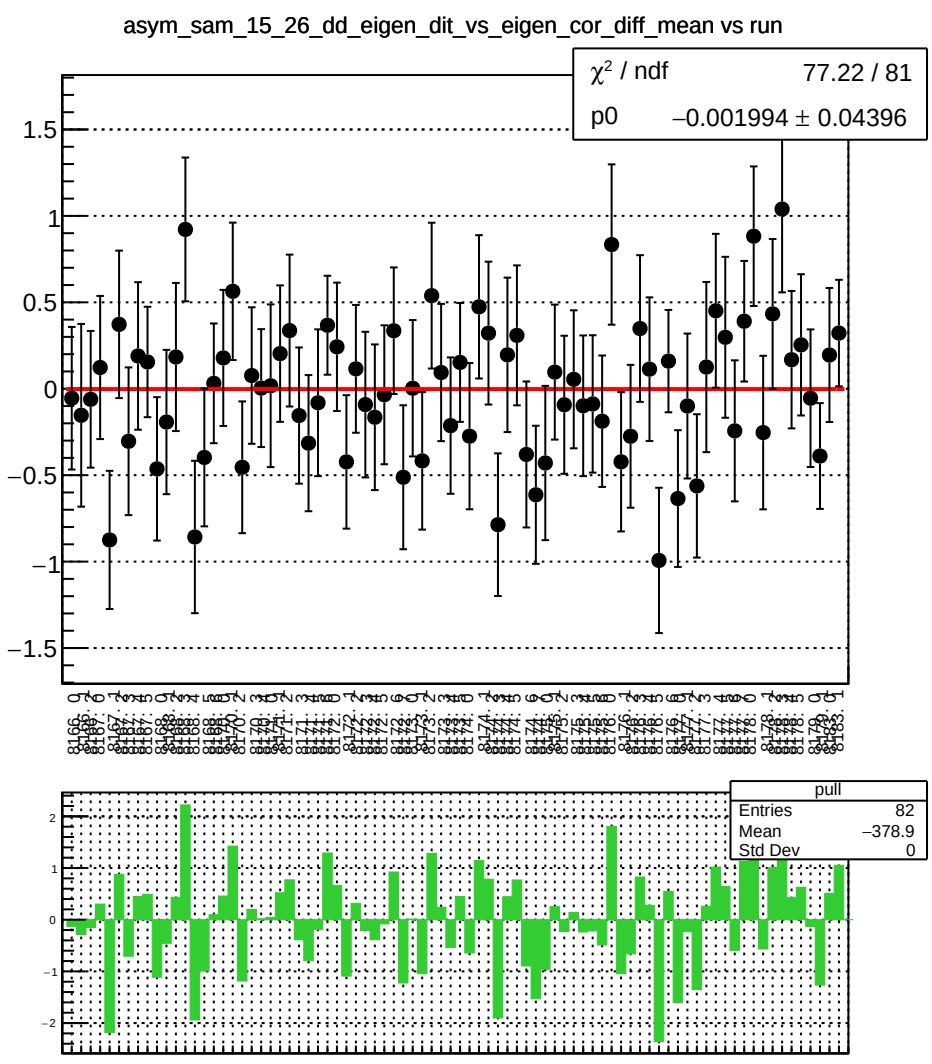

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5428 / 81
p0 39.04 ± 0.03108
52
50
48
46
44
42
40
38
36
34

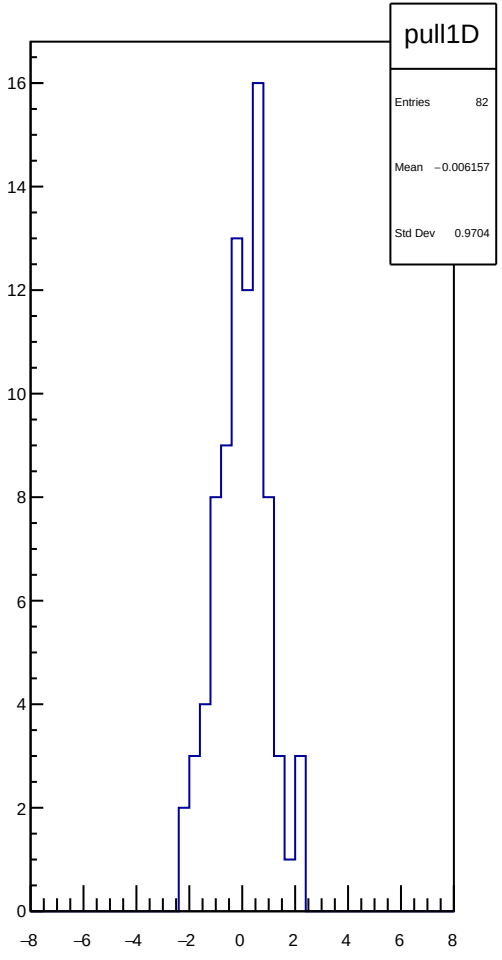

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 76.16 / 81
p0 −4.4e−06 ± 1.554e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 82
Mean −84.73
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.007637
Std Dev 0.9637
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

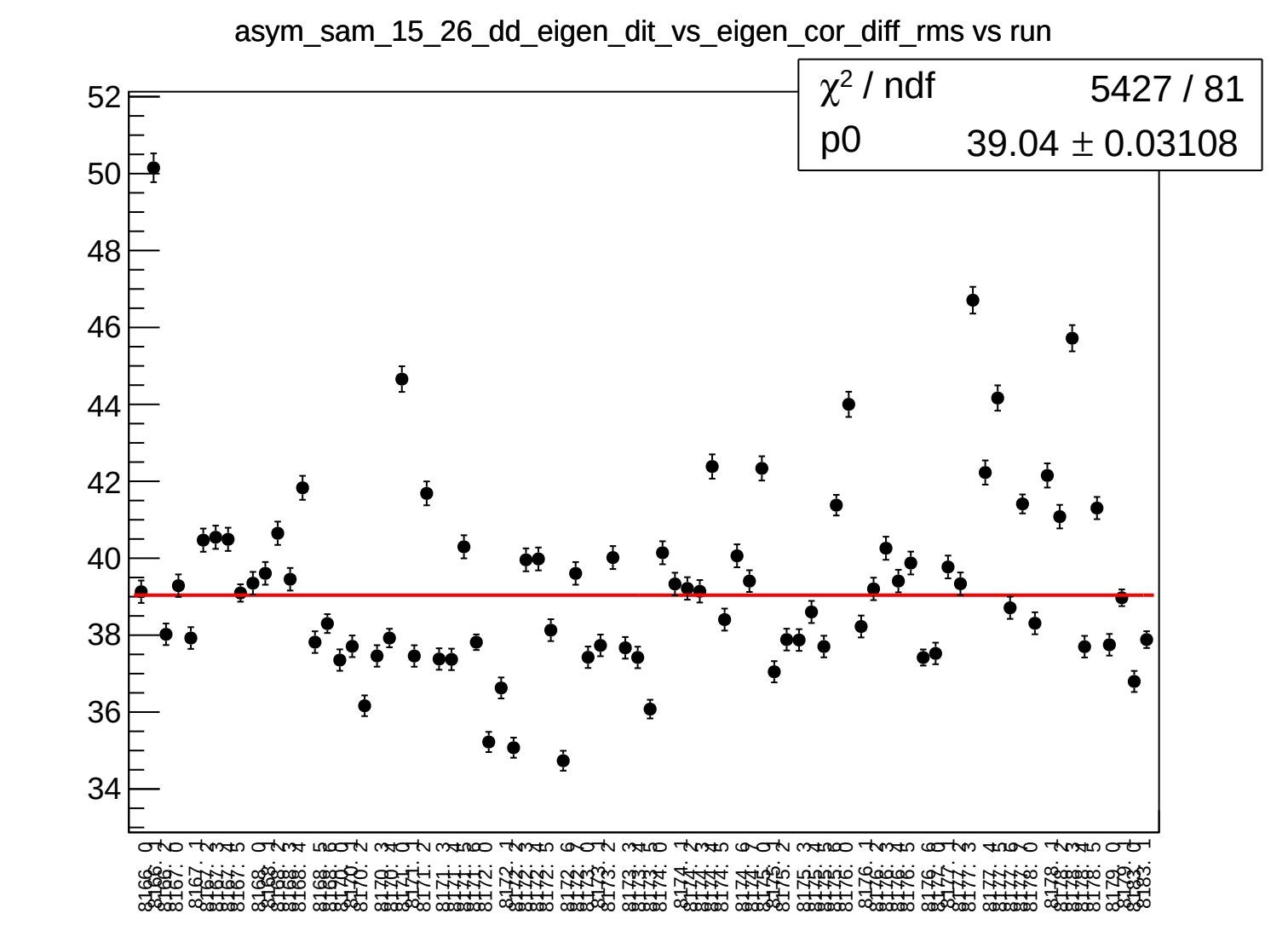

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ^2 / ndf 7929 / 81
p0 0.001379 ± 1.099e−06
0.0017
0.0016
0.0015
0.0014
0.0013

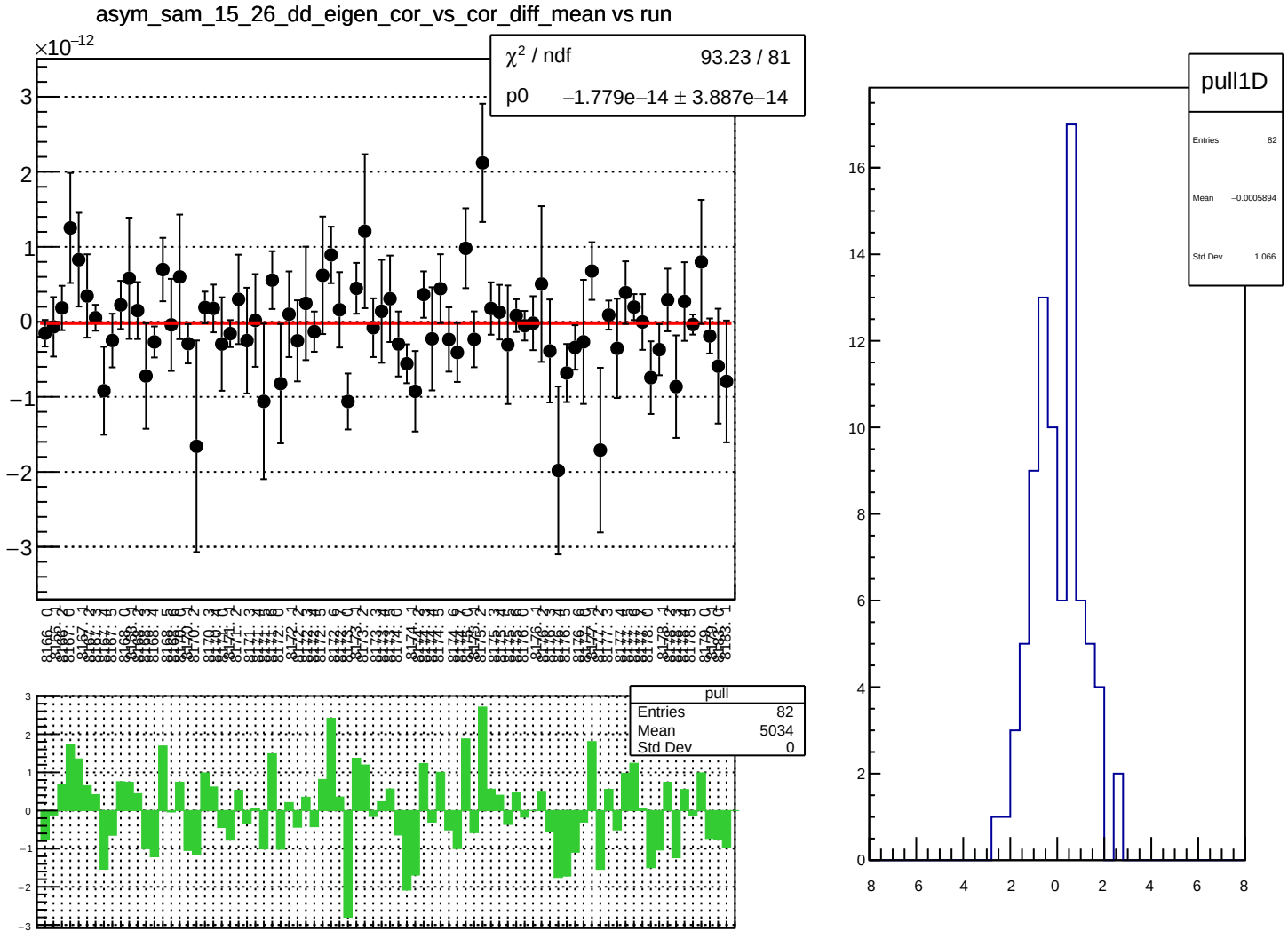

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.22 / 81
p0 −0.001994 ± 0.04396
pull
Entries 82
Mean −378.9
Std Dev 0
pull1D
Entries 82
Mean −0.006157
Std Dev 0.9704

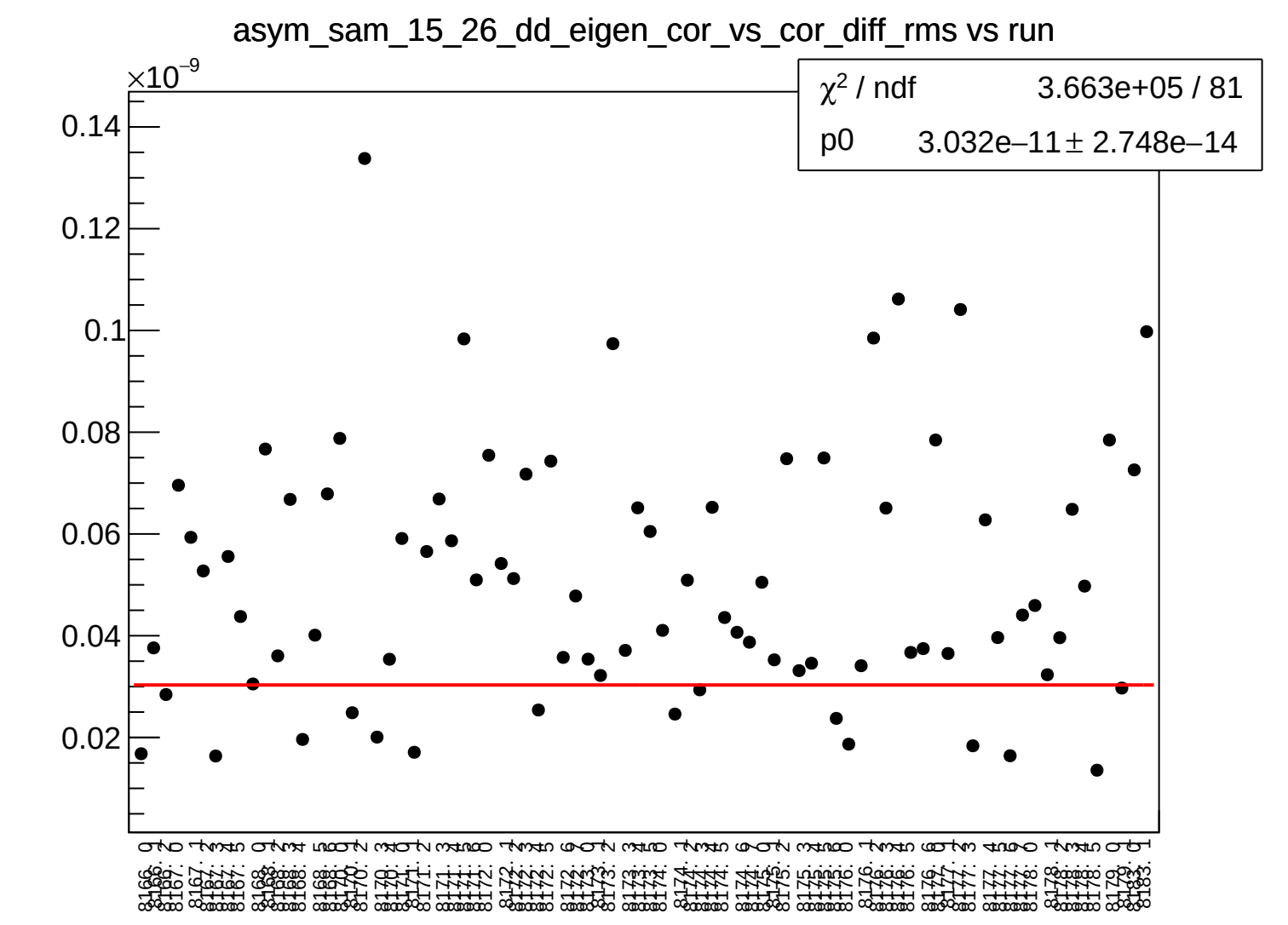

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5427 / 81
p0 39.04 ± 0.03108
52
50
48
46
44
42
40
38
36
34

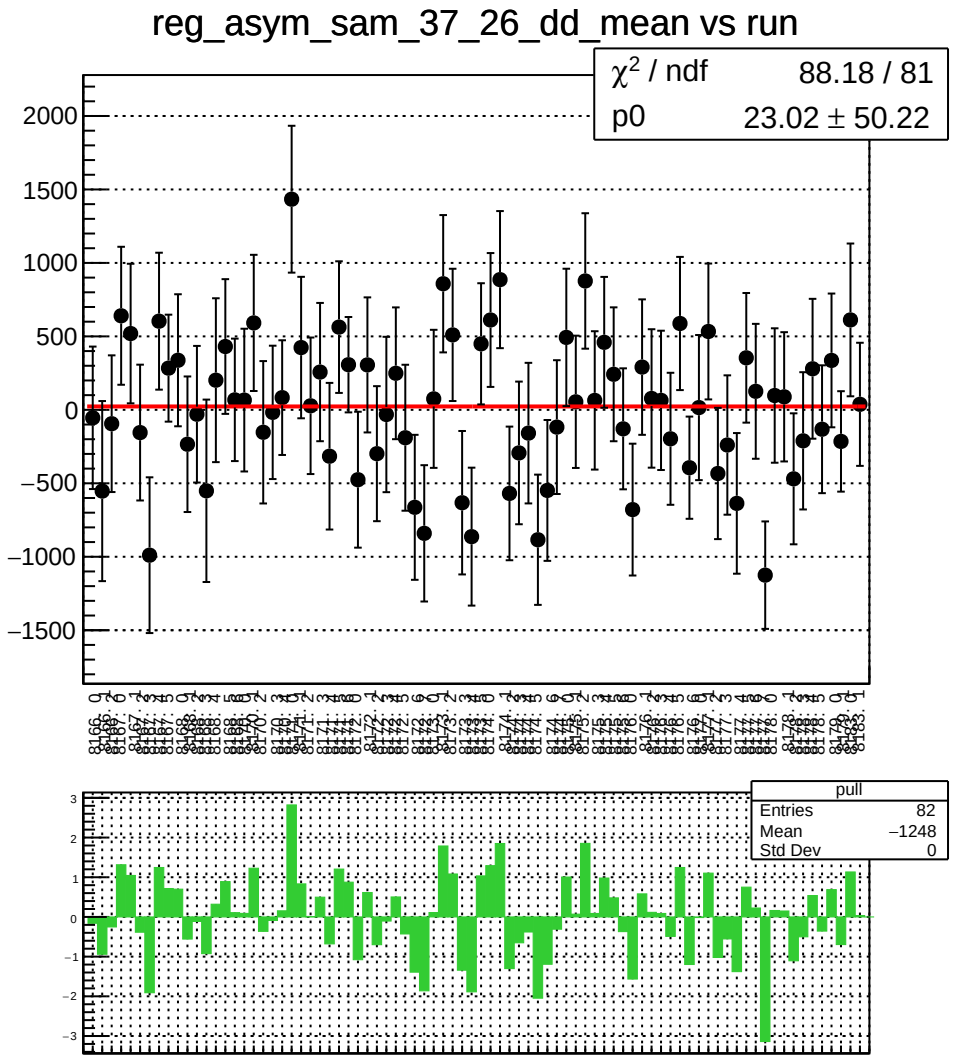

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.22 / 81
p0 −0.001994 ± 0.04396
pull
Entries 82
Mean −378.9
Std Dev 0

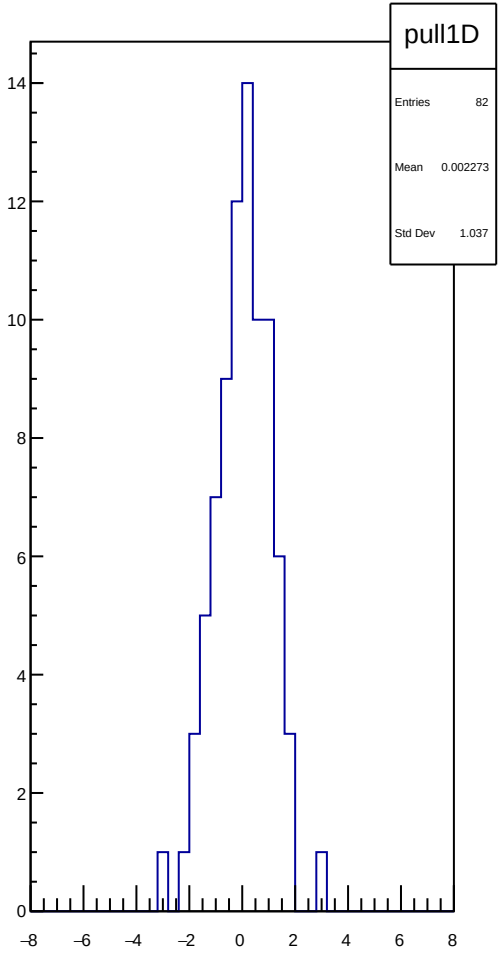

pull1D
Entries 82
Mean −0.006157
Std Dev 0.9704

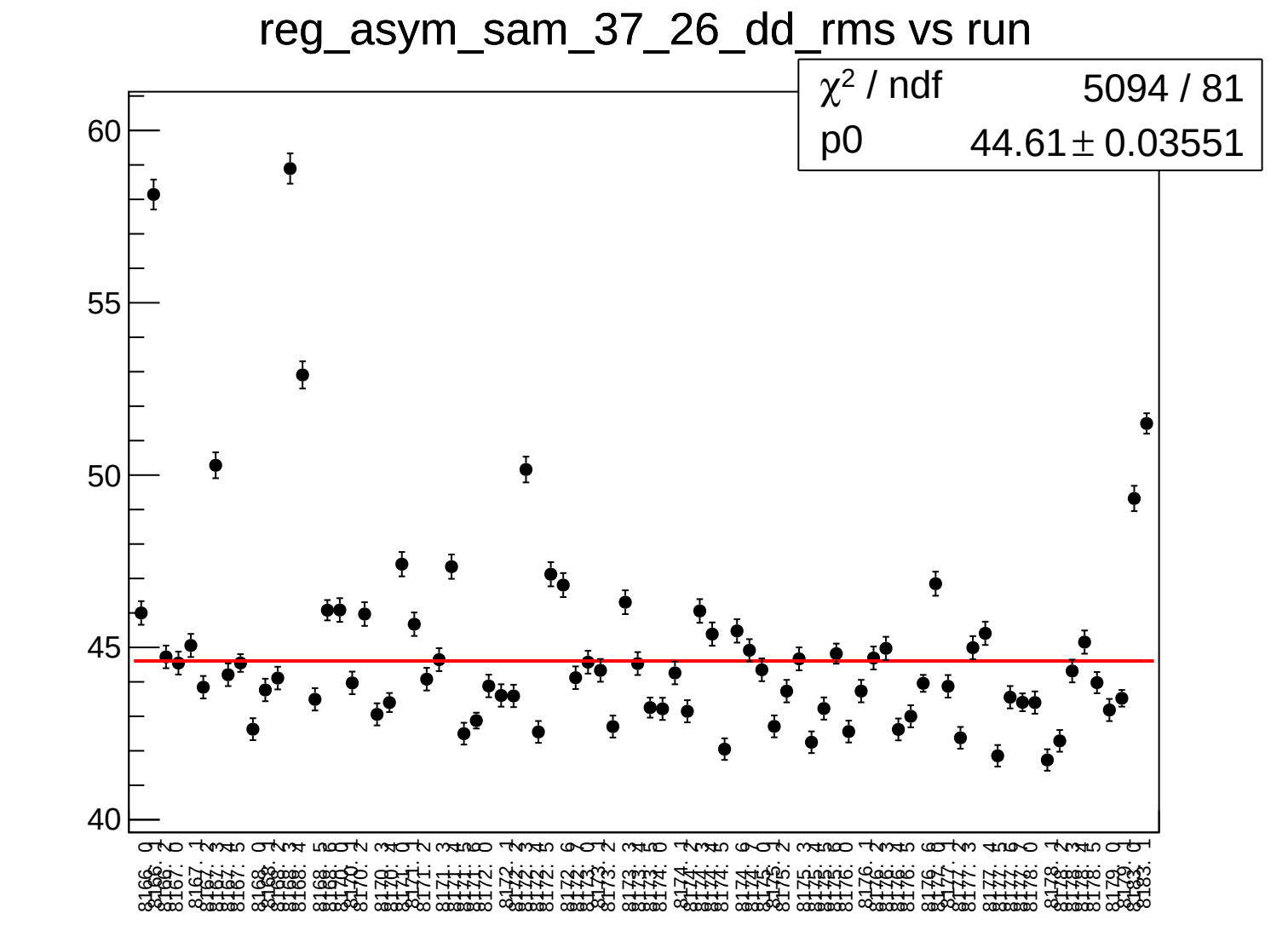

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5427 / 81
p0 39.04 ± 0.03108
52
50
48
46
44
42
40
38
36
34

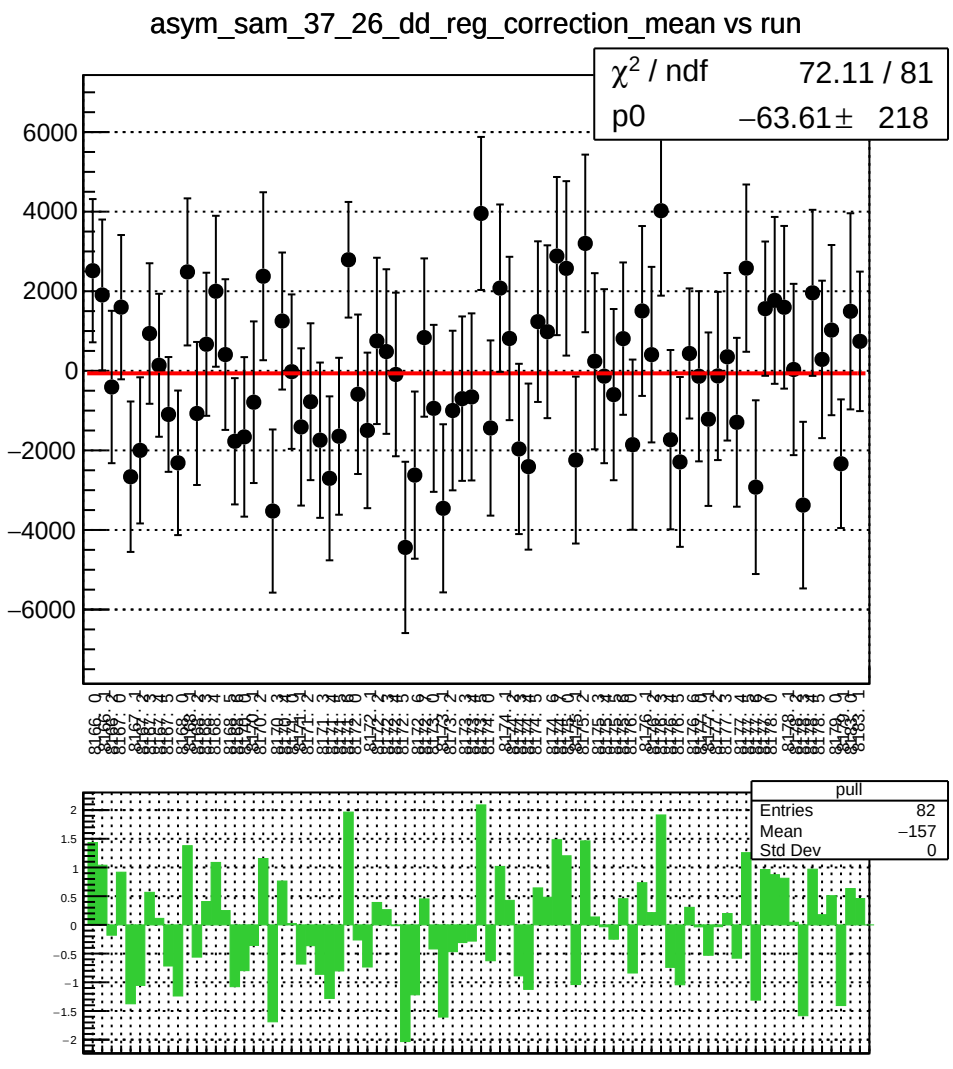

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.23 / 81
p0 −1.779e−14 ± 3.887e−14
pull
Entries 82
Mean 5034
Std Dev 0
pull1D
Entries 82
Mean −0.0005894
Std Dev 1.066

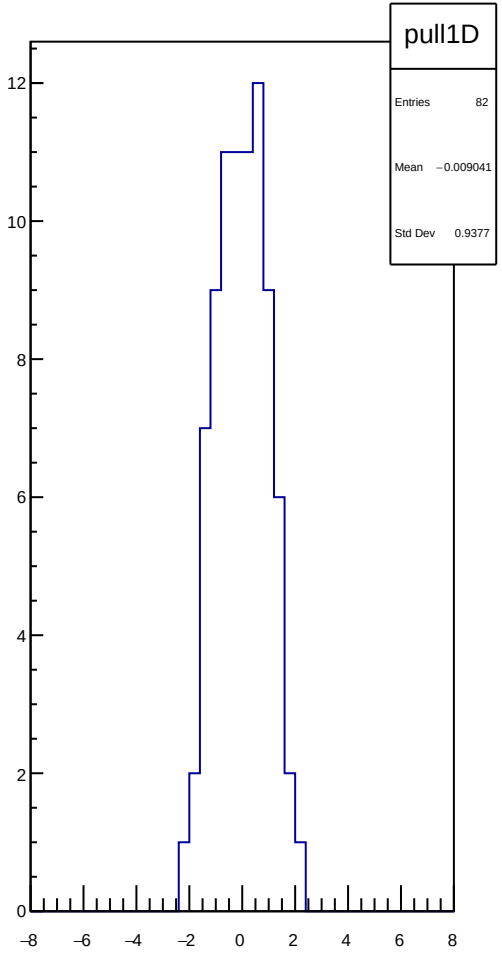

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.663e+05 / 81
p0 3.032e−11 ± 2.748e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

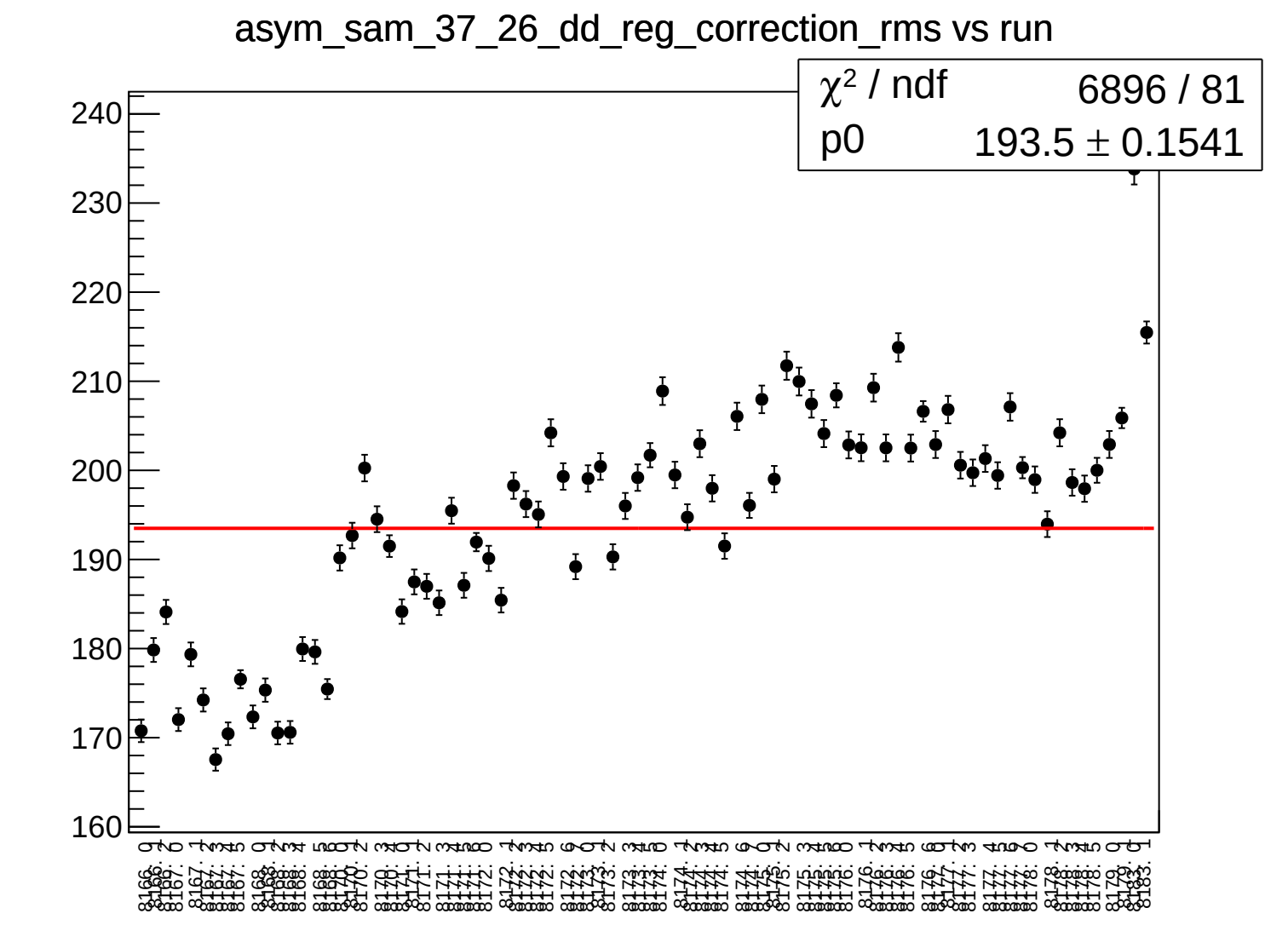

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.18 / 81
p0 23.02 ± 50.22
pull
Entries 82
Mean −1248
Std Dev 0

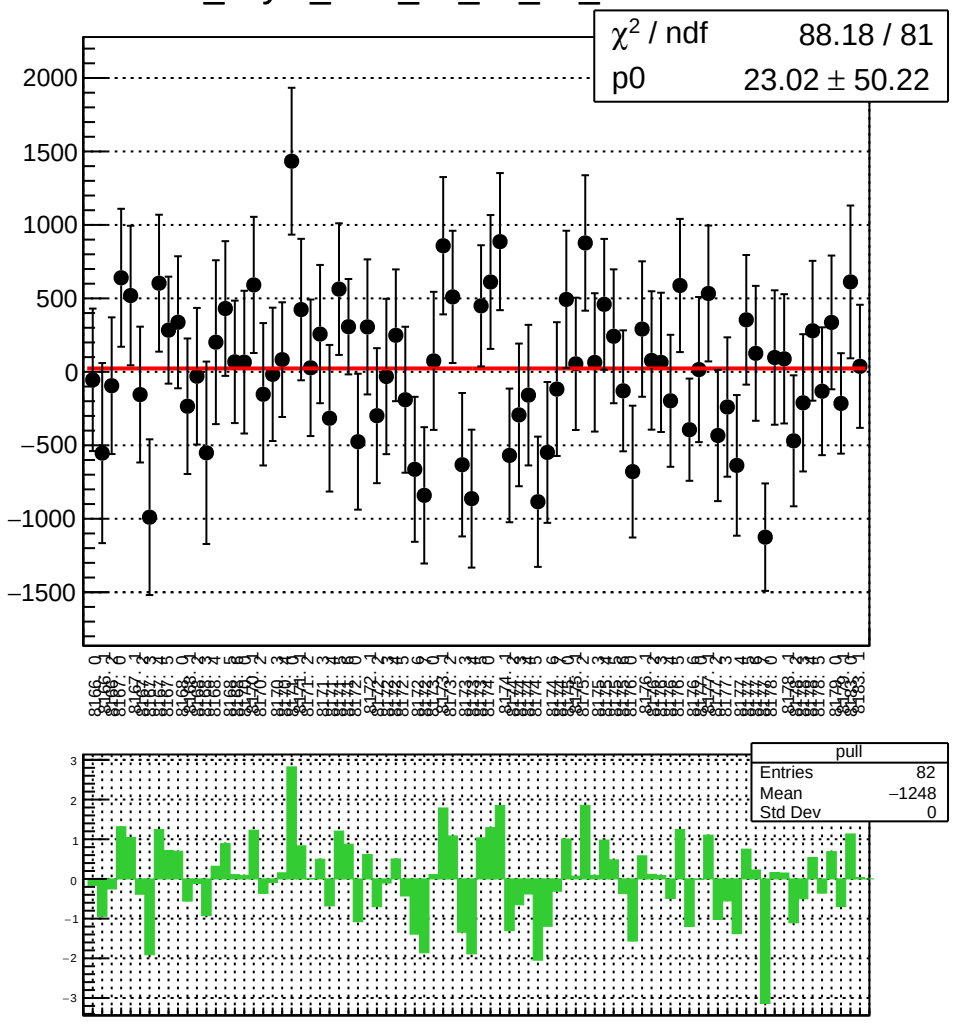

pull1D
Entries 82
Mean 0.002273
Std Dev 1.037

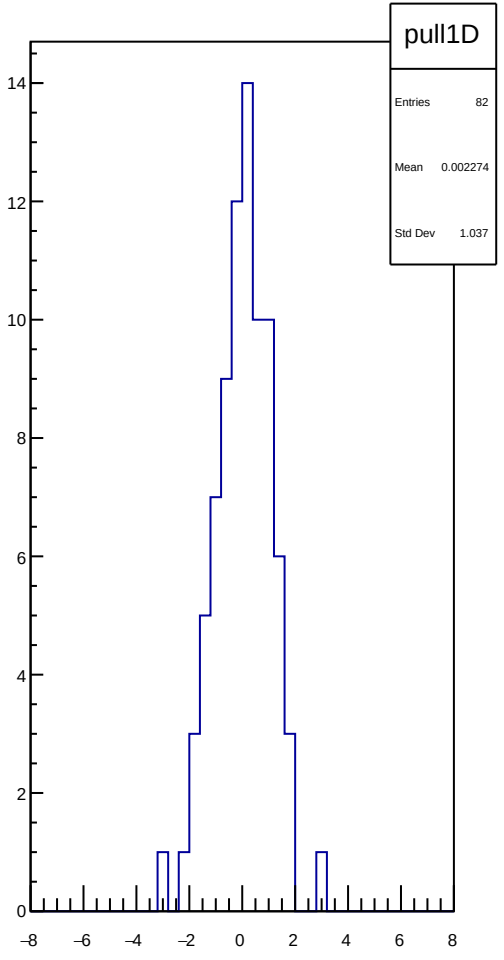

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 5094 / 81
p0 44.61 ± 0.03551
60
55
50
45
40

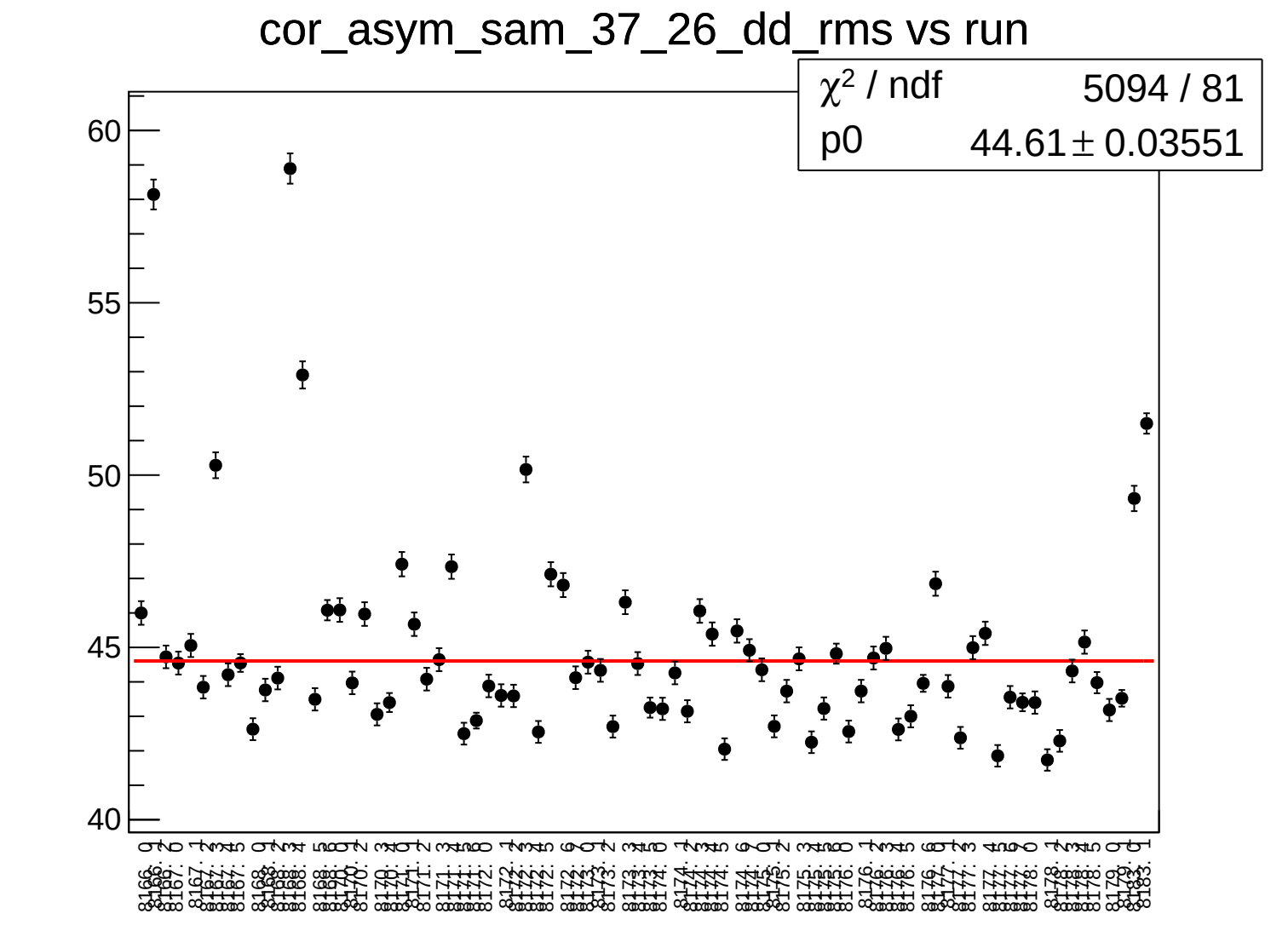

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 72.11 / 81
p0 −63.61 ± 218
pull
Entries 82
Mean −157
Std Dev 0

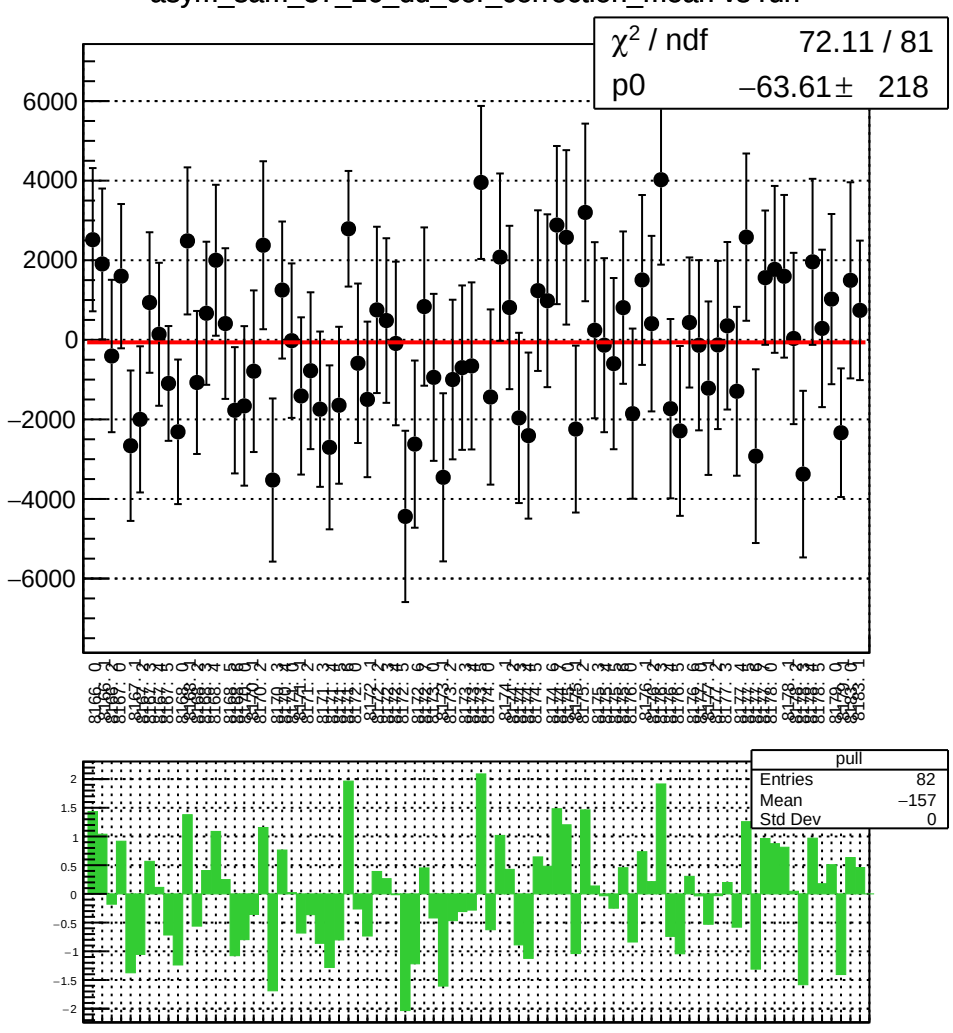

pull1D
Entries 82
Mean −0.009041
Std Dev 0.9377

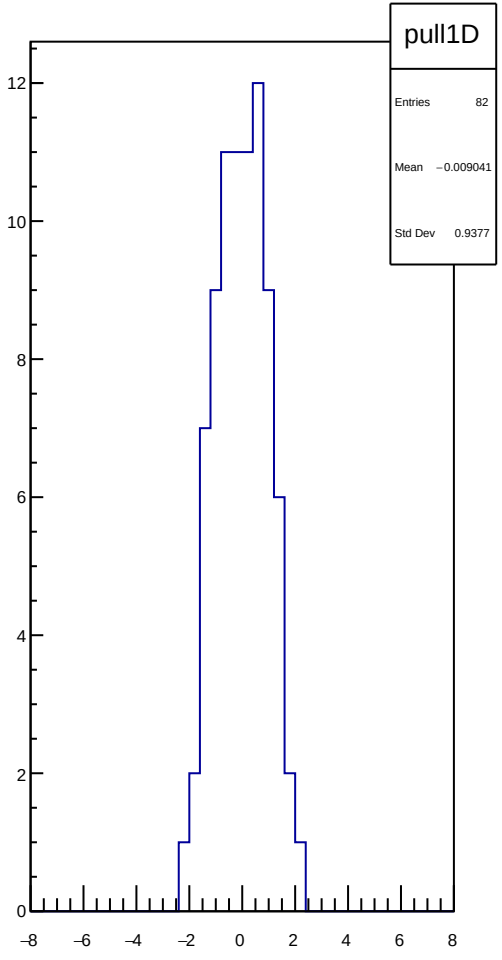

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 6896 / 81
p0 193.5 ± 0.1541
240
230
220
210
200
190
180
170
160

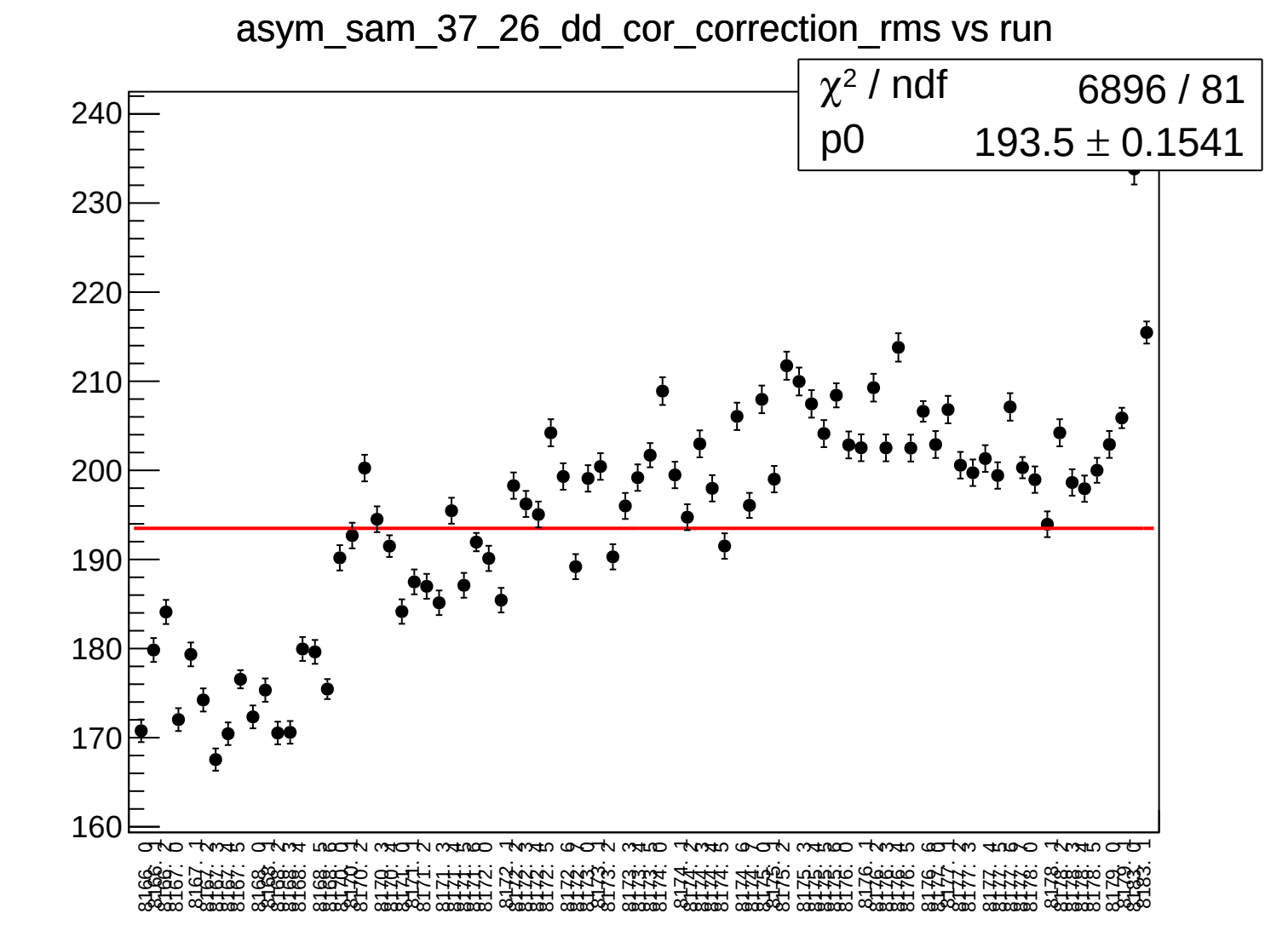

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.18 / 81
p0 23.02 ± 50.22
pull
Entries 82
Mean −1248
Std Dev 0

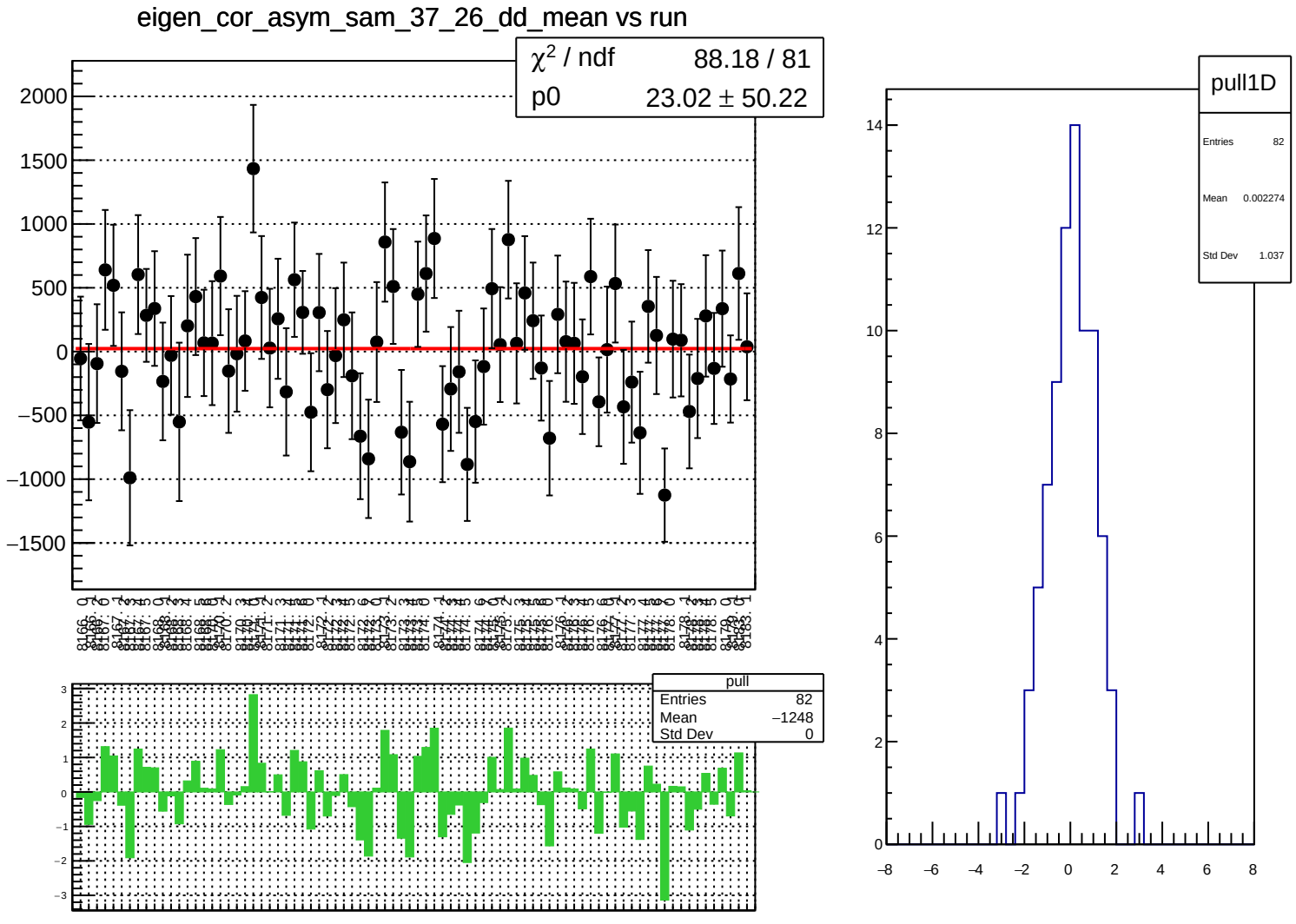

pull1D
Entries 82
Mean 0.002274
Std Dev 1.037

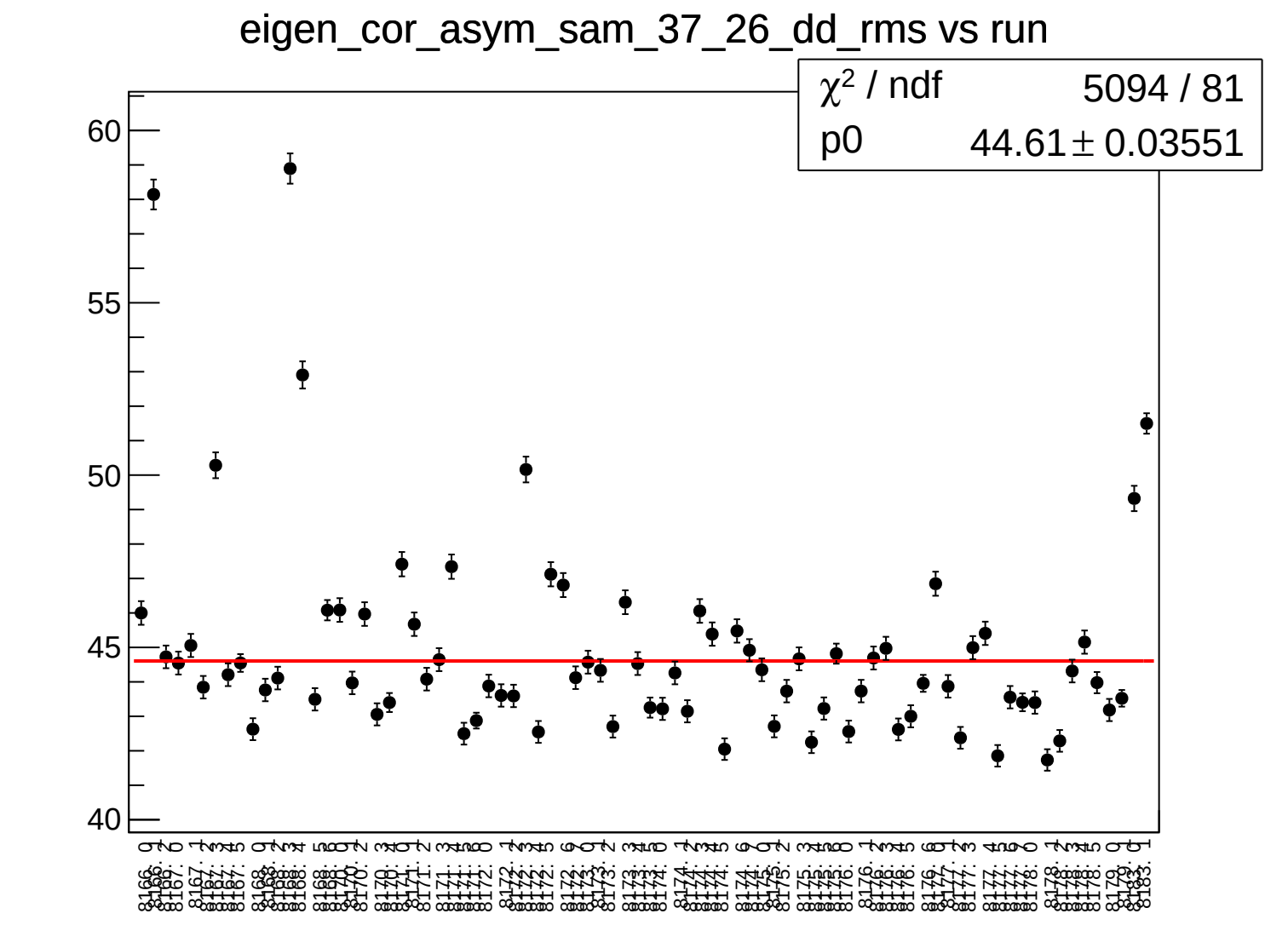

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5094 / 81
p0 44.61 ± 0.03551
60
55
50
45
40

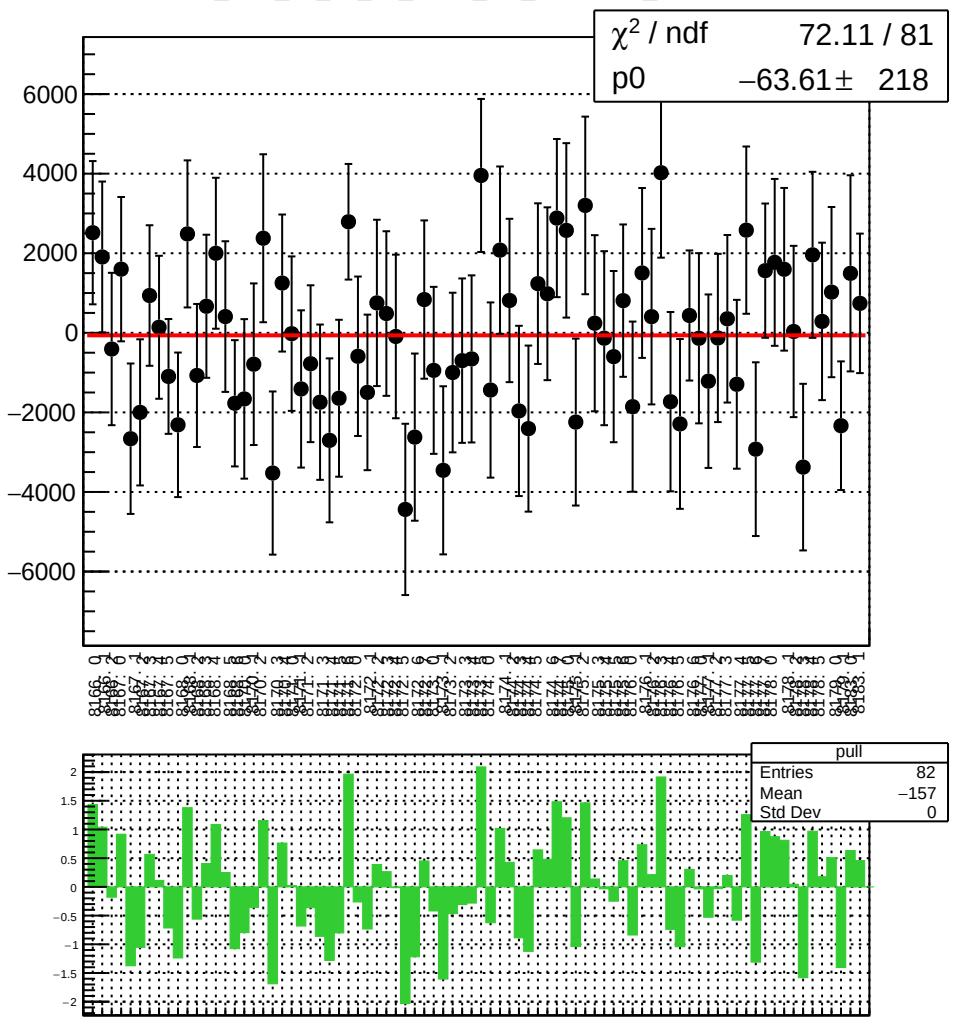

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 72.11 / 81
p0 −63.61 ± 218
pull
Entries 82
Mean −157
Std Dev 0

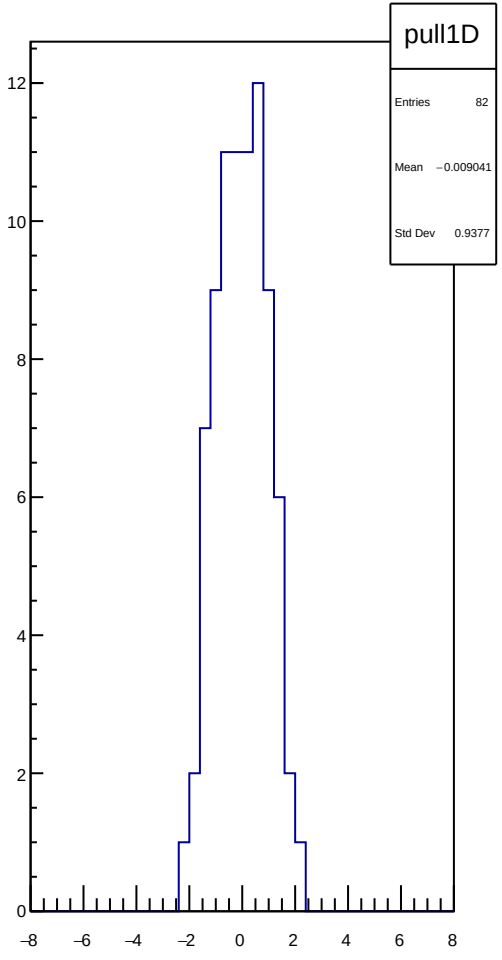

pull1D
Entries 82
Mean −0.009041
Std Dev 0.9377

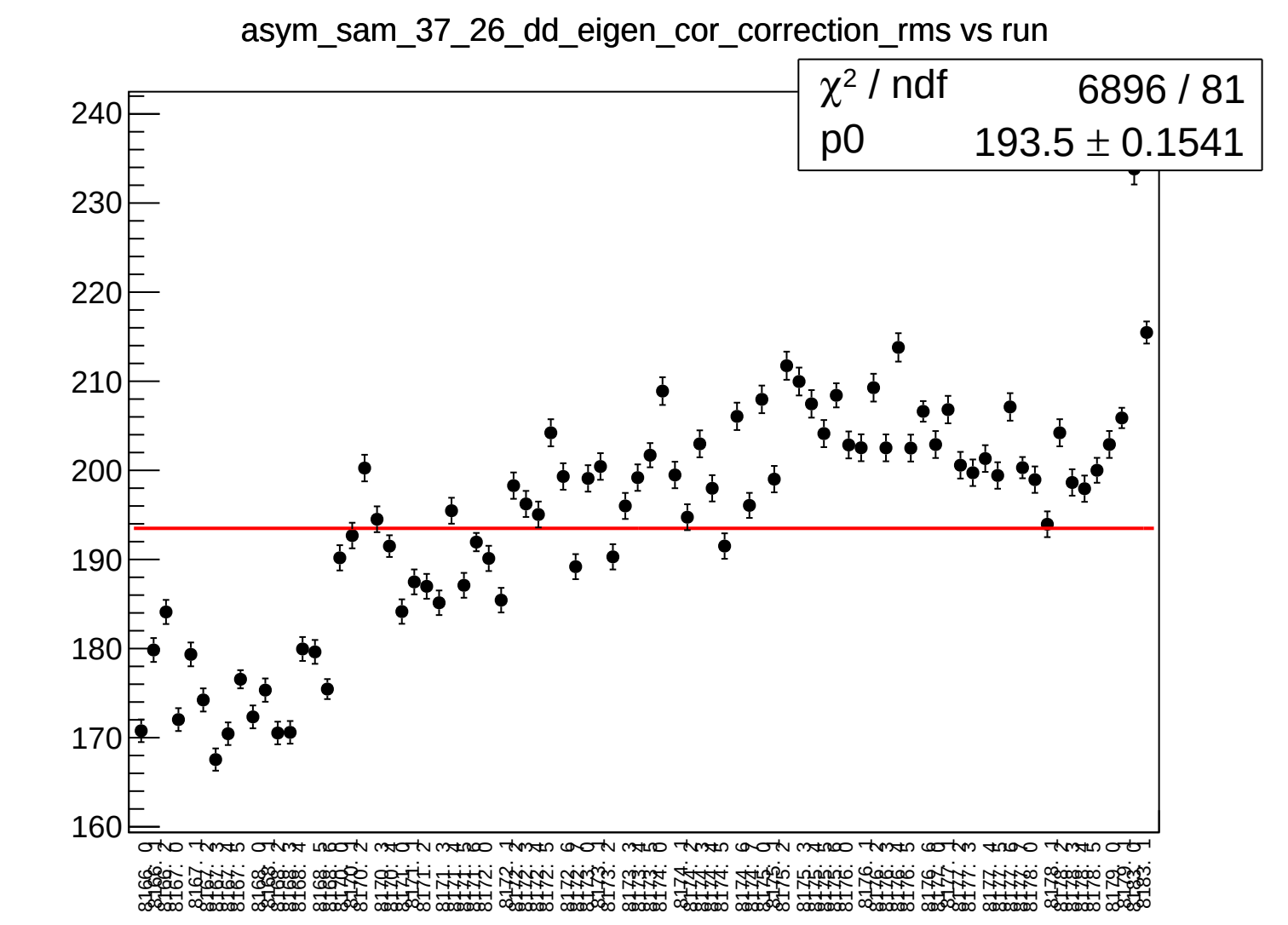

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 6896 / 81
p0 193.5 ± 0.1541
240
230
220
210
200
190
180
170
160

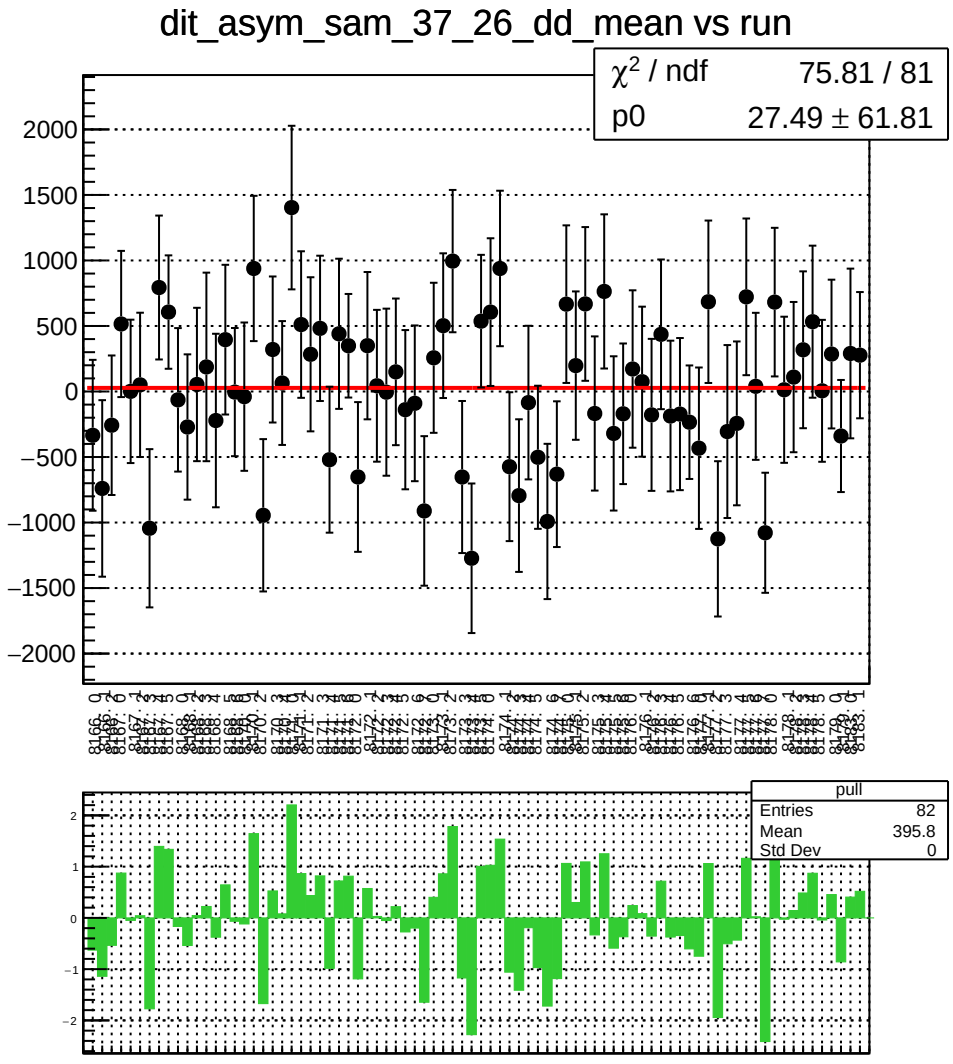

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.18 / 81
p0 23.02 ± 50.22
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean −1248
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.002274
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

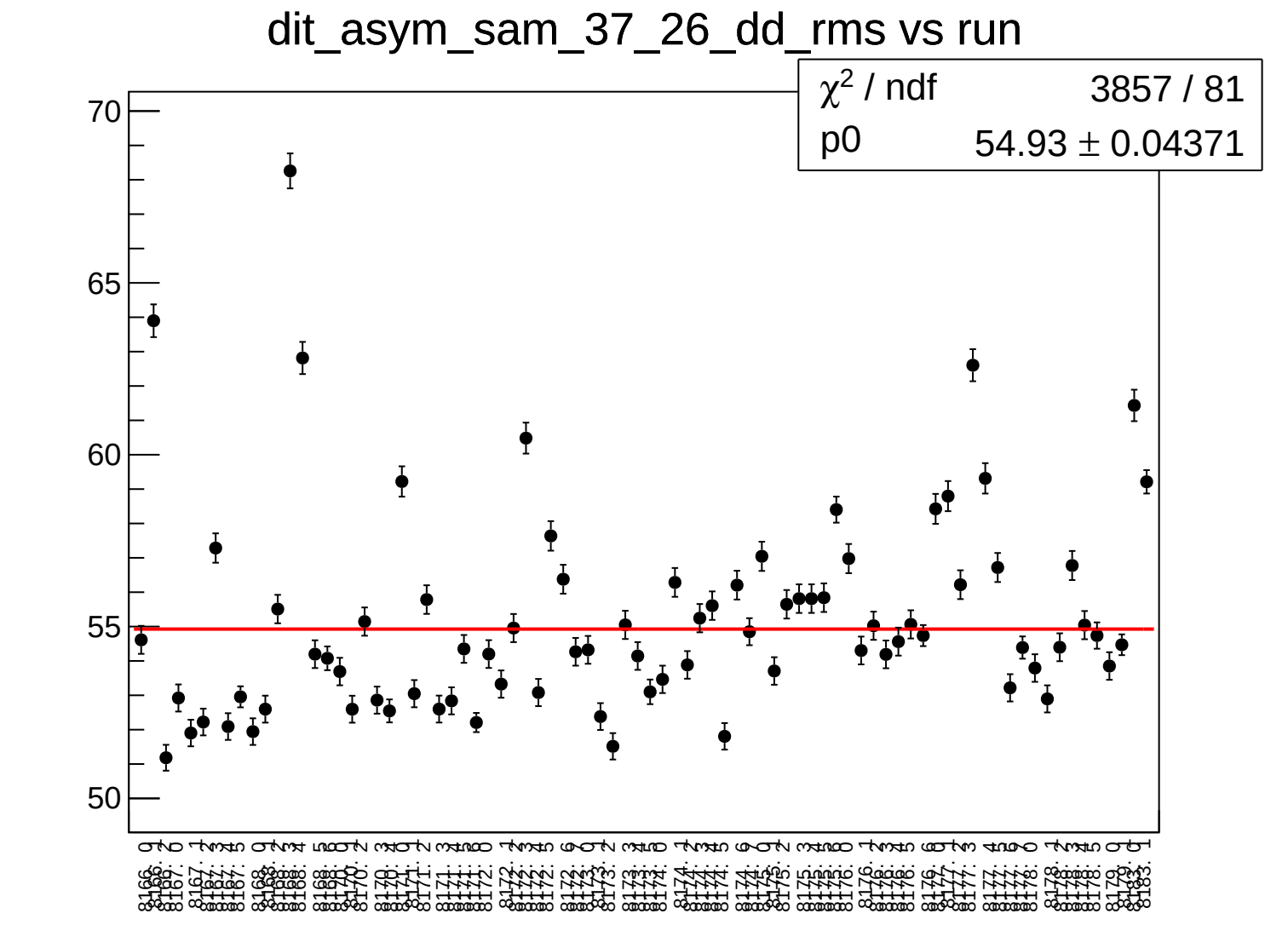

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 5094 / 81
p0 44.61 ± 0.03551
60
55
50
45
40

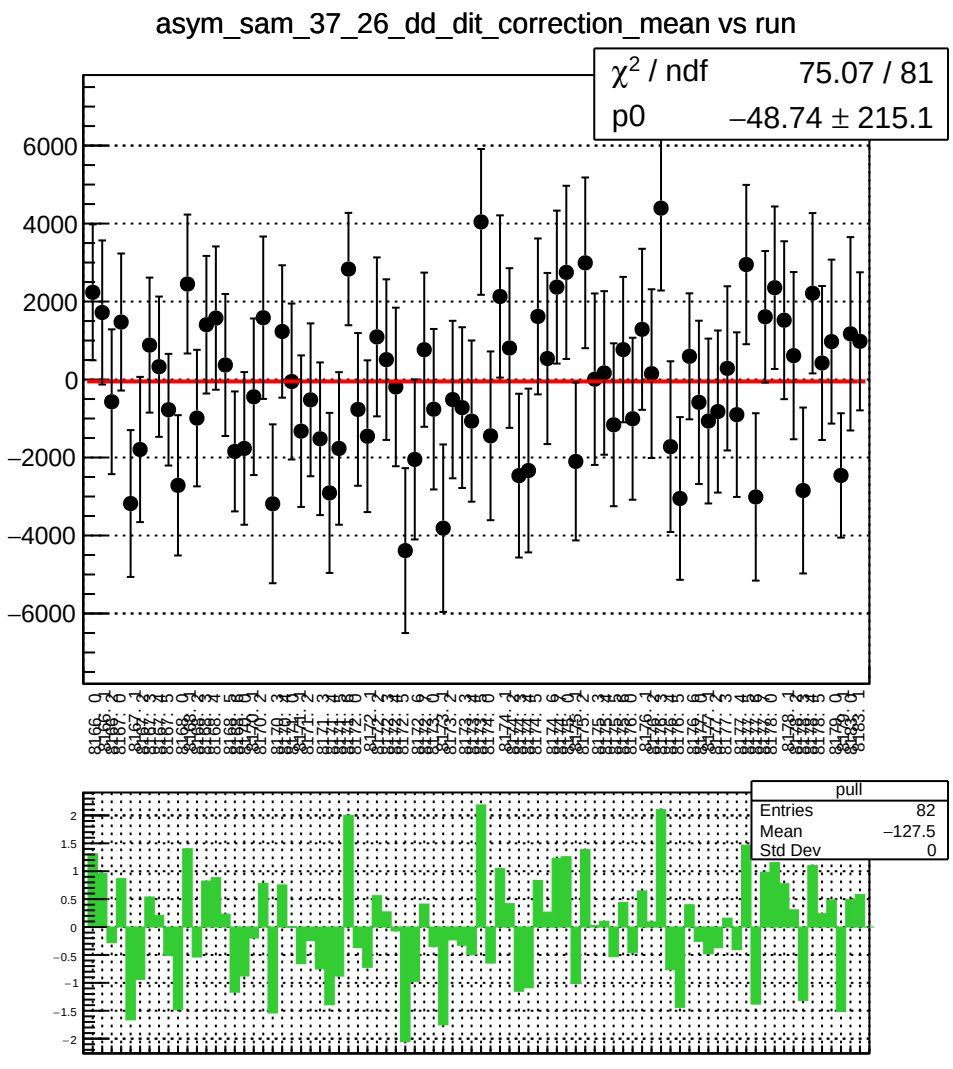

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.11 / 81
p0 −63.61 ± 218
pull
Entries 82
Mean −157
Std Dev 0

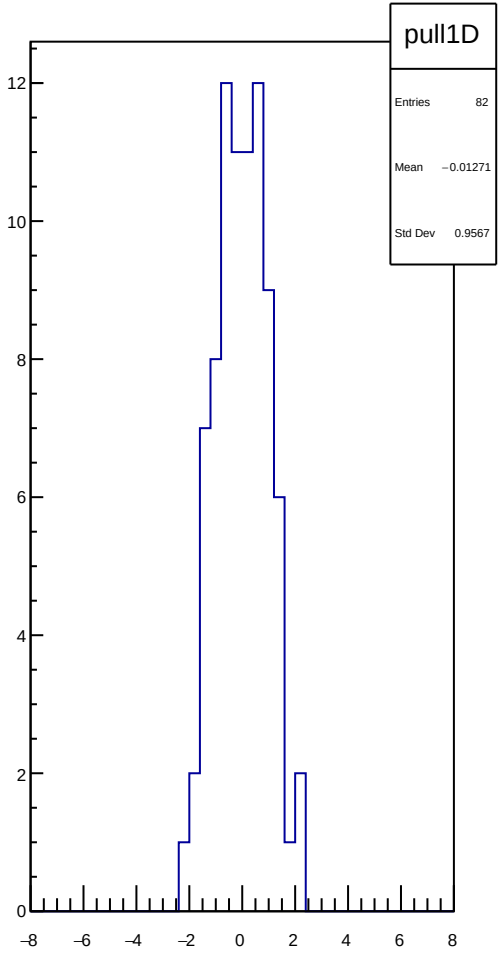

pull1D
Entries 82
Mean −0.009041
Std Dev 0.9377

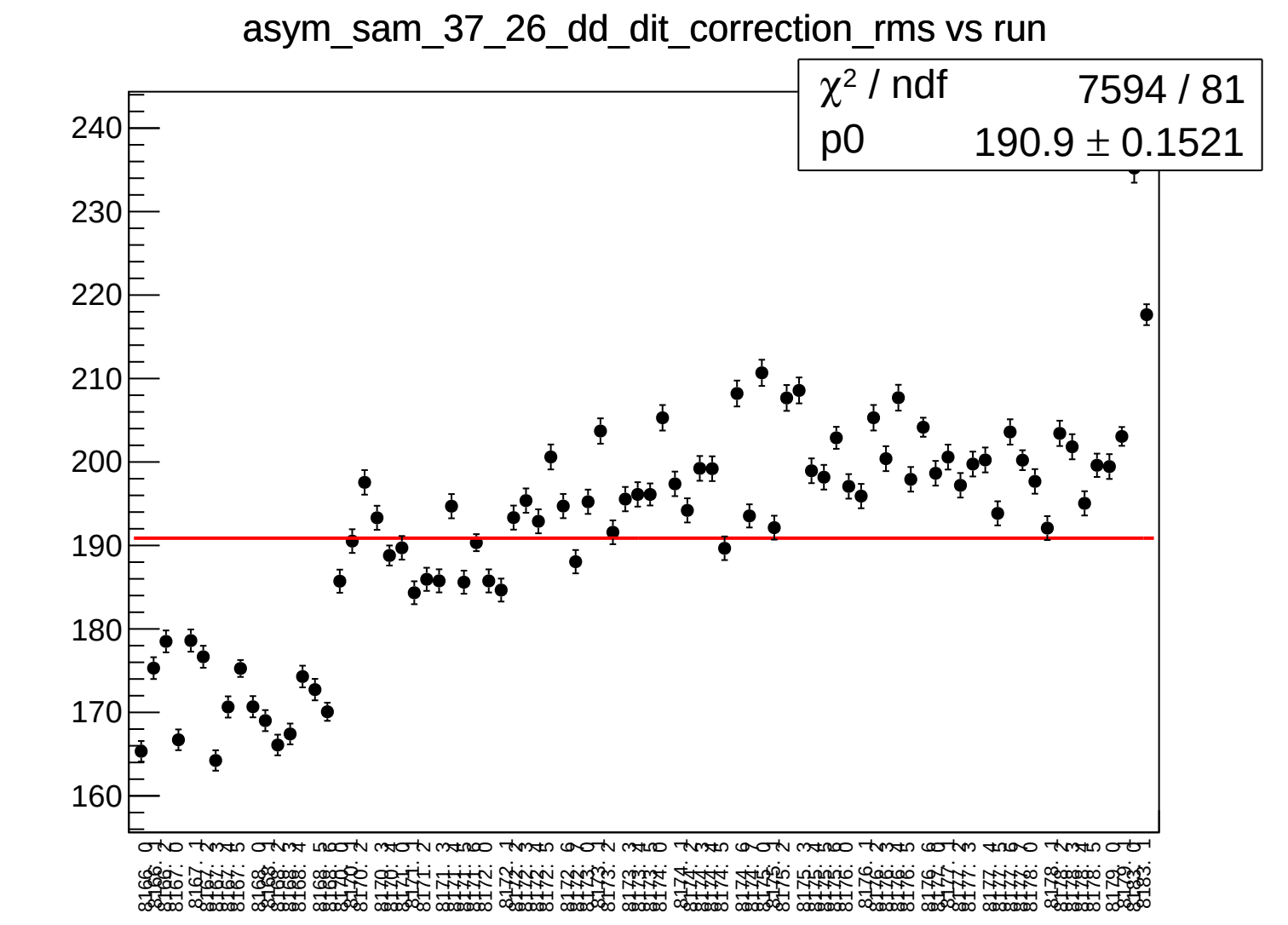

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 6896 / 81
p0 193.5 ± 0.1541
240
230
220
210
200
190
180
170
160

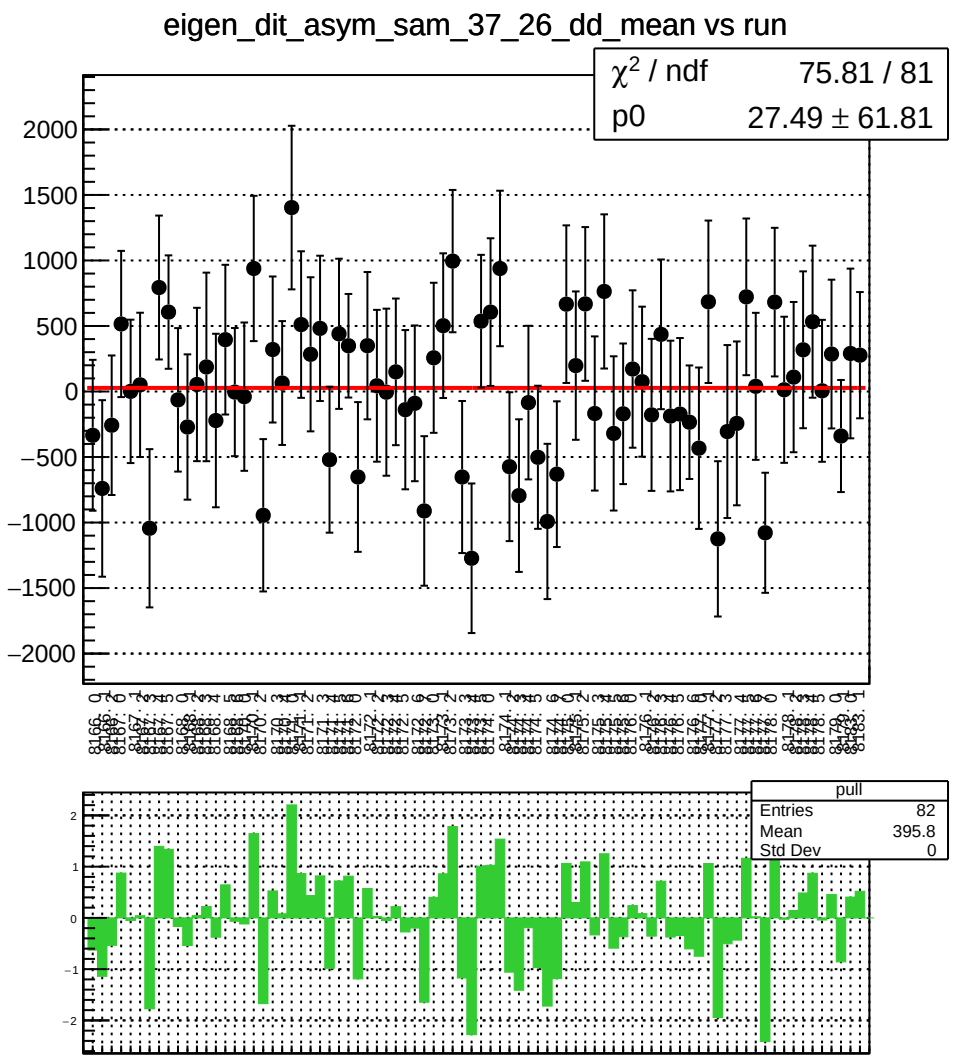

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.81 / 81
p0 27.49 ± 61.81
pull
Entries 82
Mean 395.8
Std Dev 0
pull1D
Entries 82
Mean −0.002441
Std Dev 0.9615

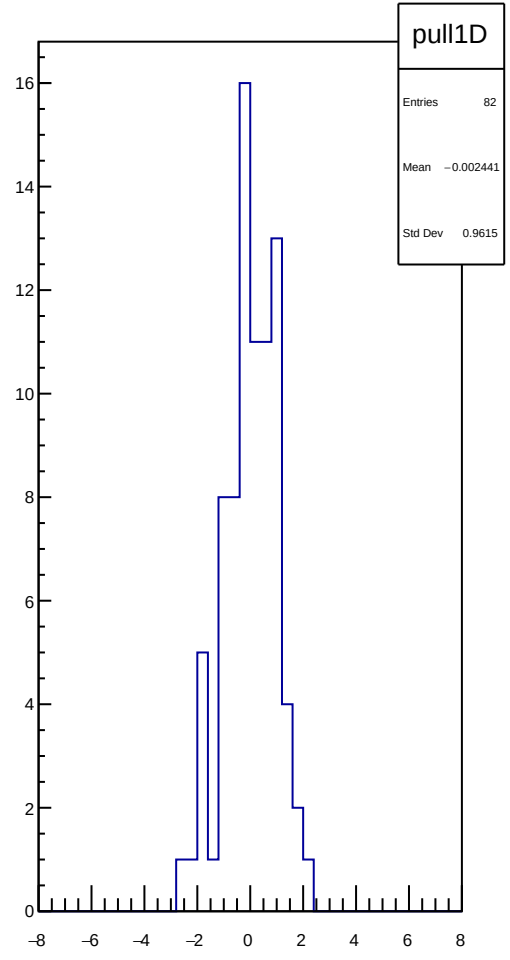

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3857 / 81
p0 54.93 ± 0.04371
70
65
60
55
50

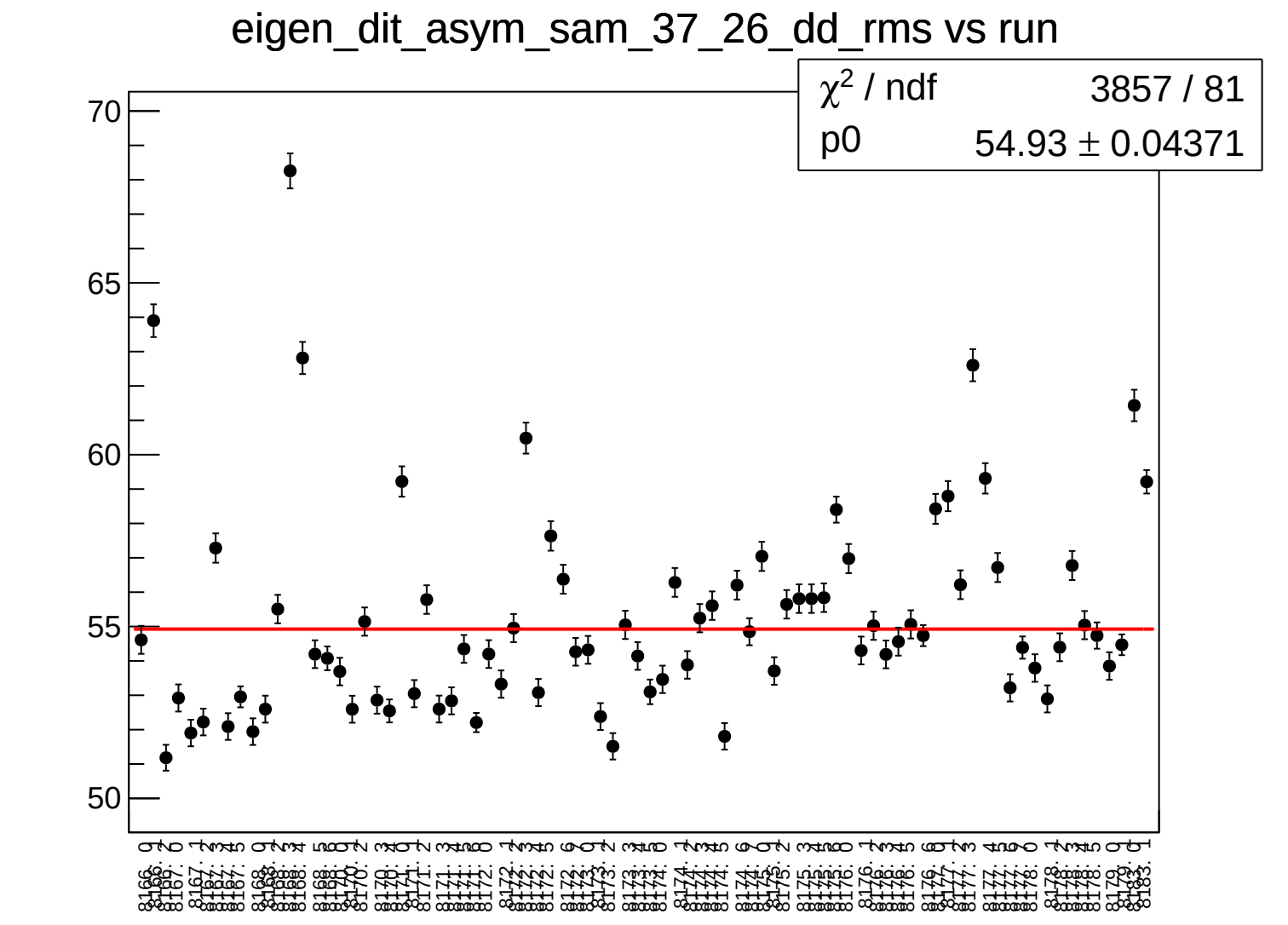

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 75.07 / 81
p0 −48.74 ± 215.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −127.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

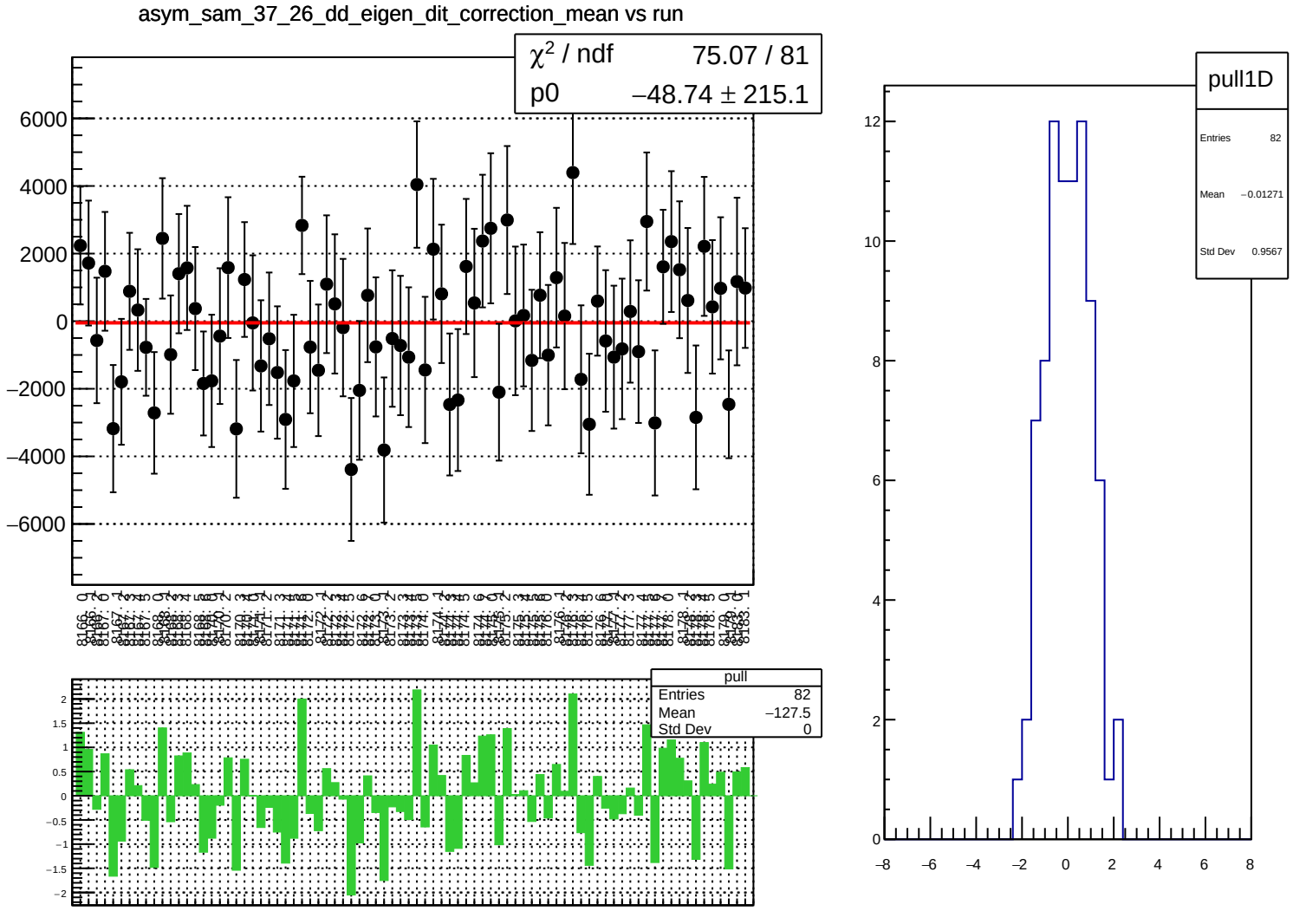

pull1D
Entries 82
Mean −0.01271
Std Dev 0.9567
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

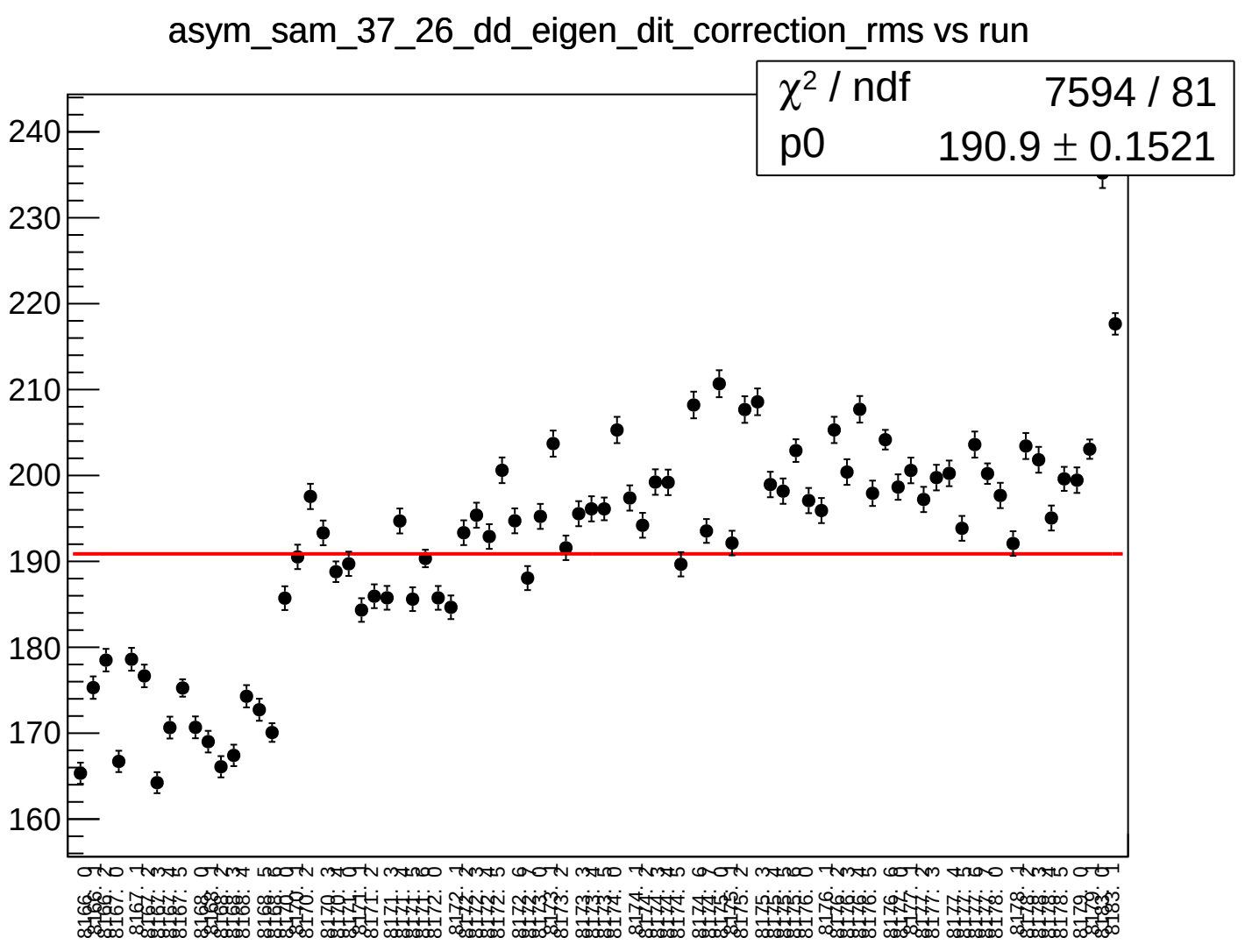

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 7594 / 81
p0 190.9 ± 0.1521
240
230
220
210
200
190
180
170
160

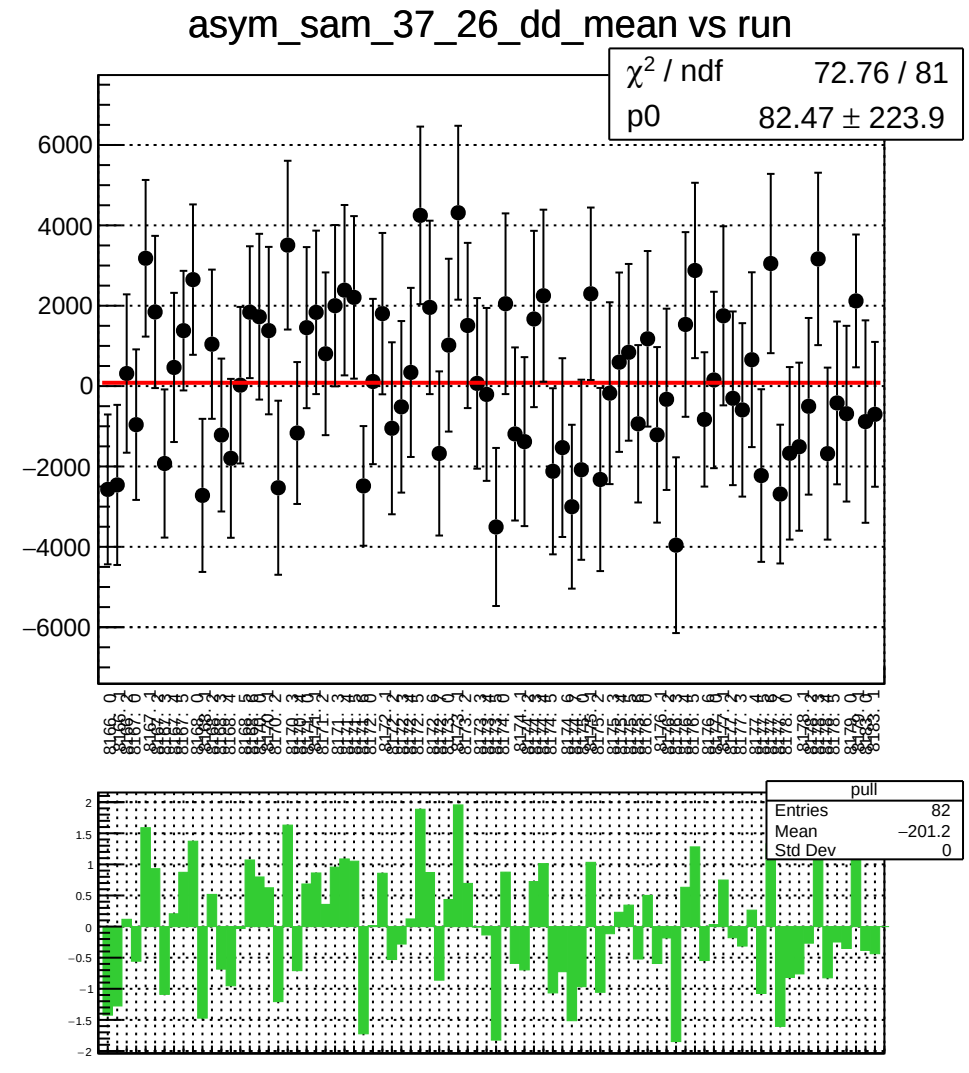

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.81 / 81
p0 27.49 ± 61.81
pull
Entries 82
Mean 395.8
Std Dev 0

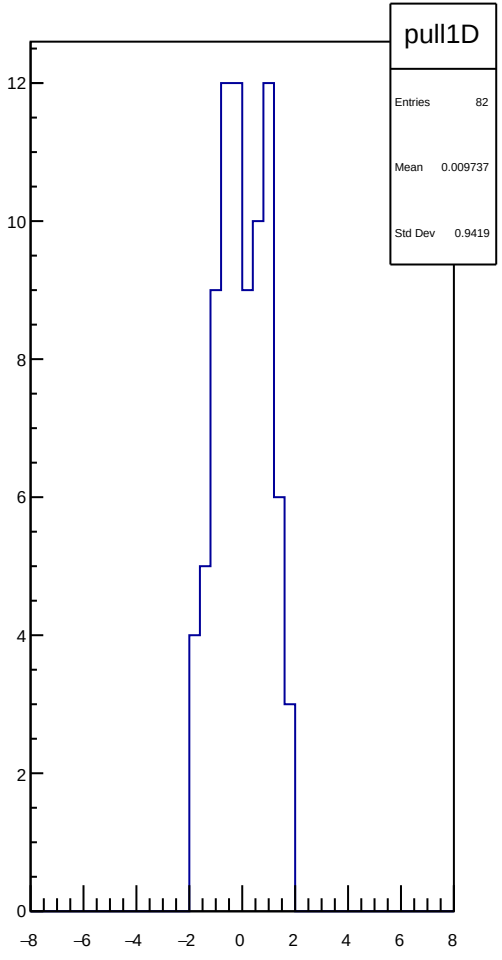

pull1D
Entries 82
Mean −0.002441
Std Dev 0.9615

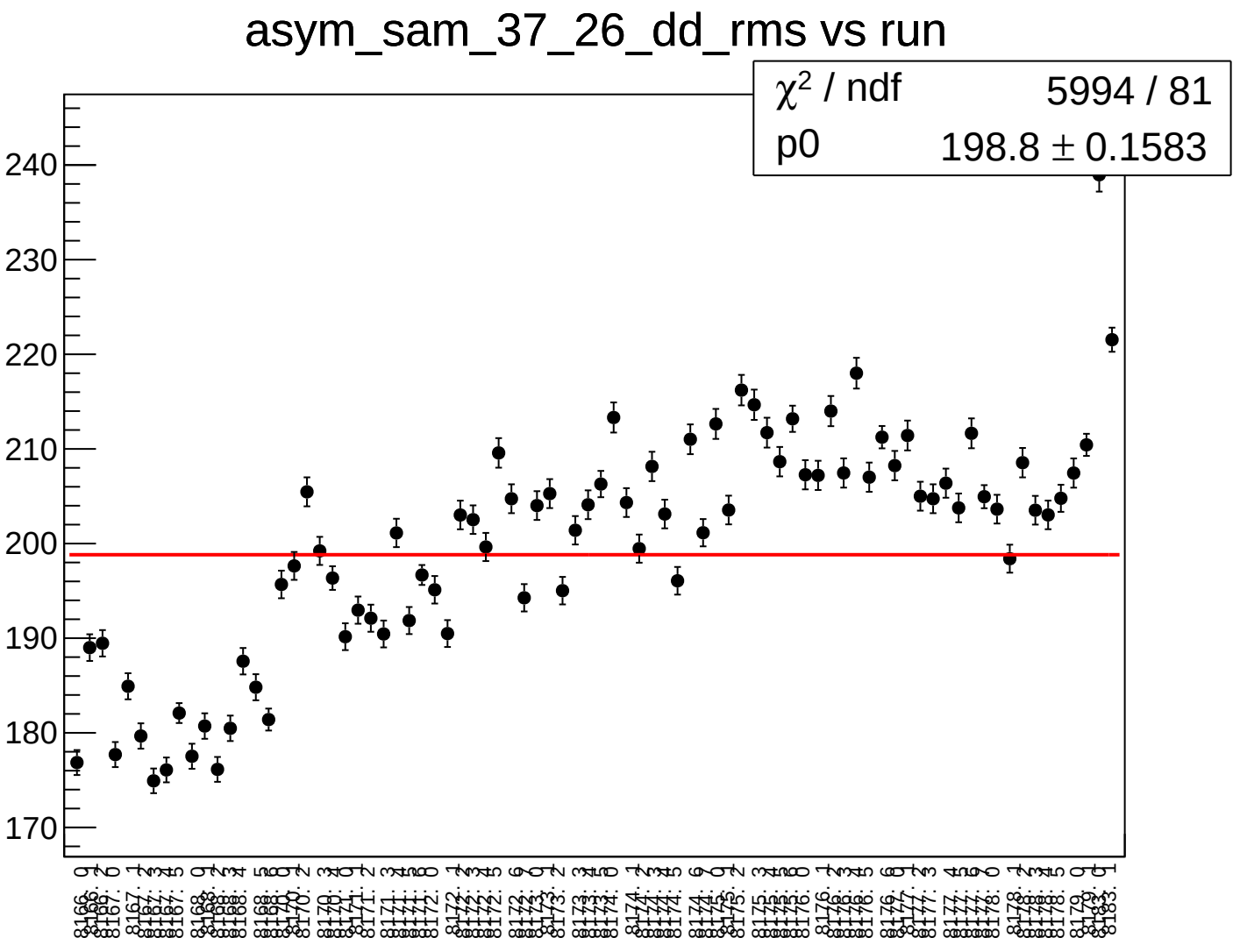

eigen_dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3857 / 81
p0 54.93 ± 0.04371
70
65
60
55
50

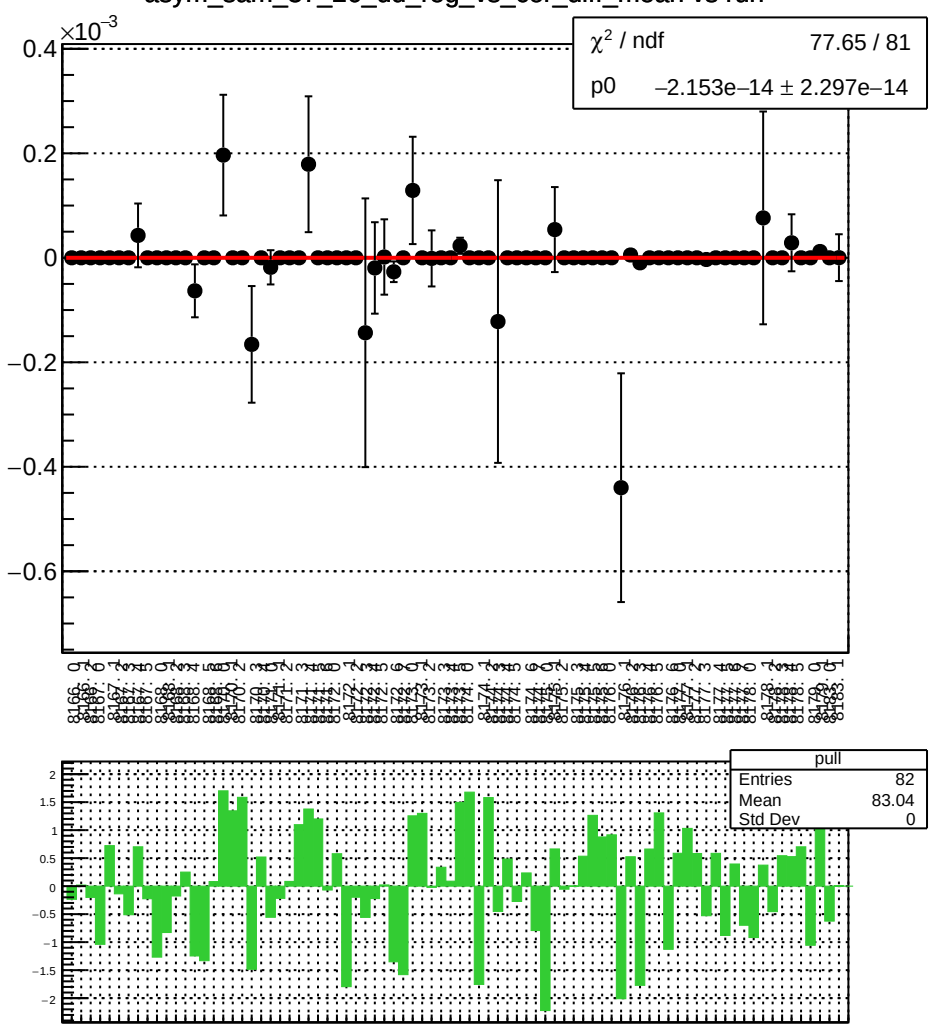

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 75.07 / 81
p0 −48.74 ± 215.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −127.5
Std Dev 0
pull1D
Entries 82
Mean −0.01271
Std Dev 0.9567
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

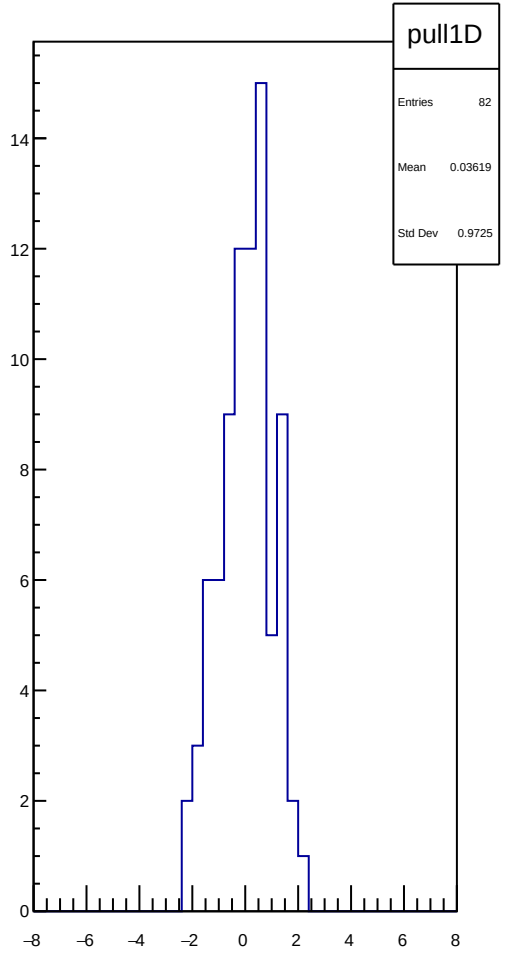

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 7594 / 81
p0 190.9 ± 0.1521
240
230
220
210
200
190
180
170
160

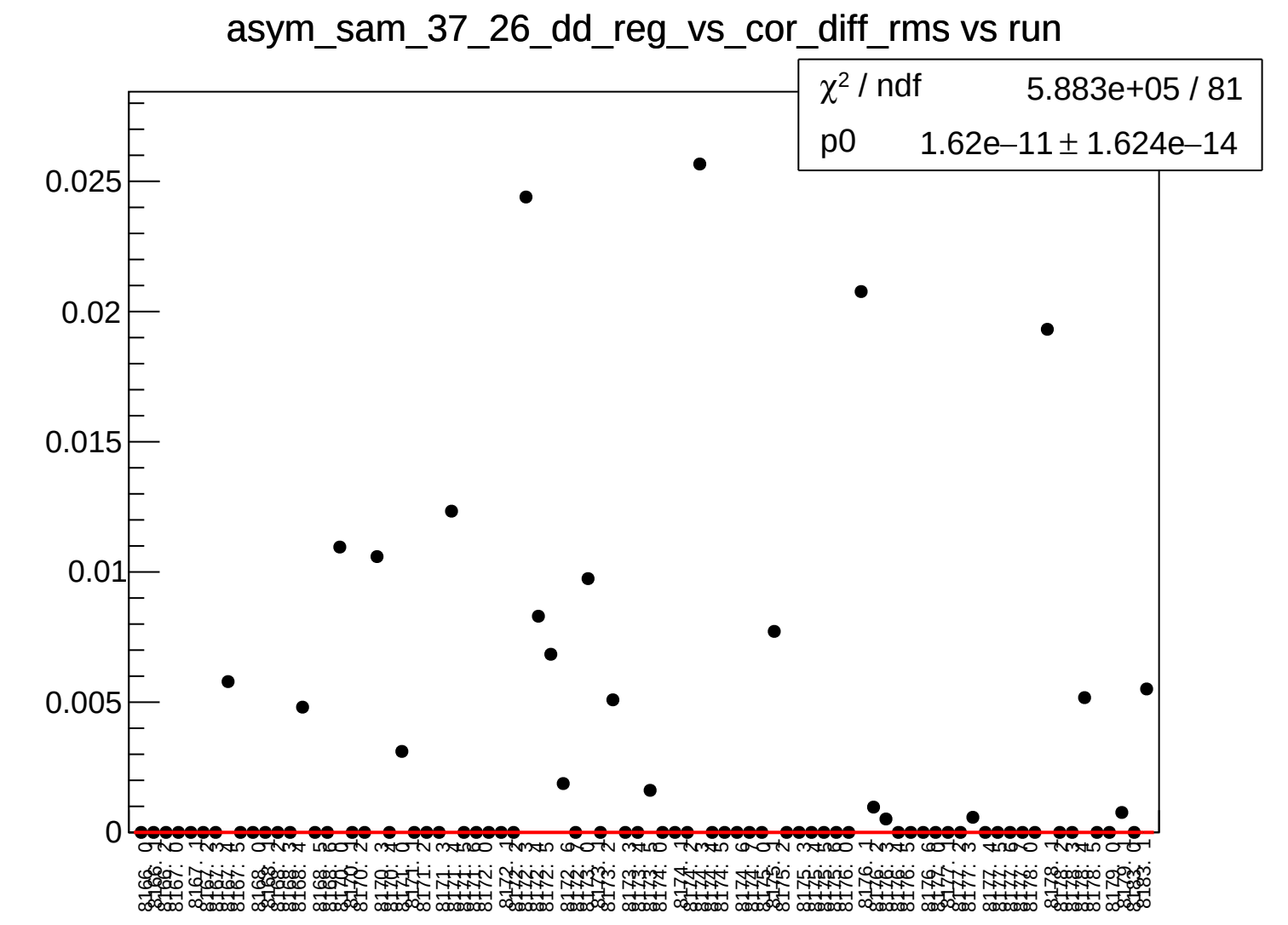

asym_sam_37_26_dd_mean vs run
χ² / ndf 72.76 / 81
p0 82.47 ± 223.9
pull
Entries 82
Mean −201.2
Std Dev 0

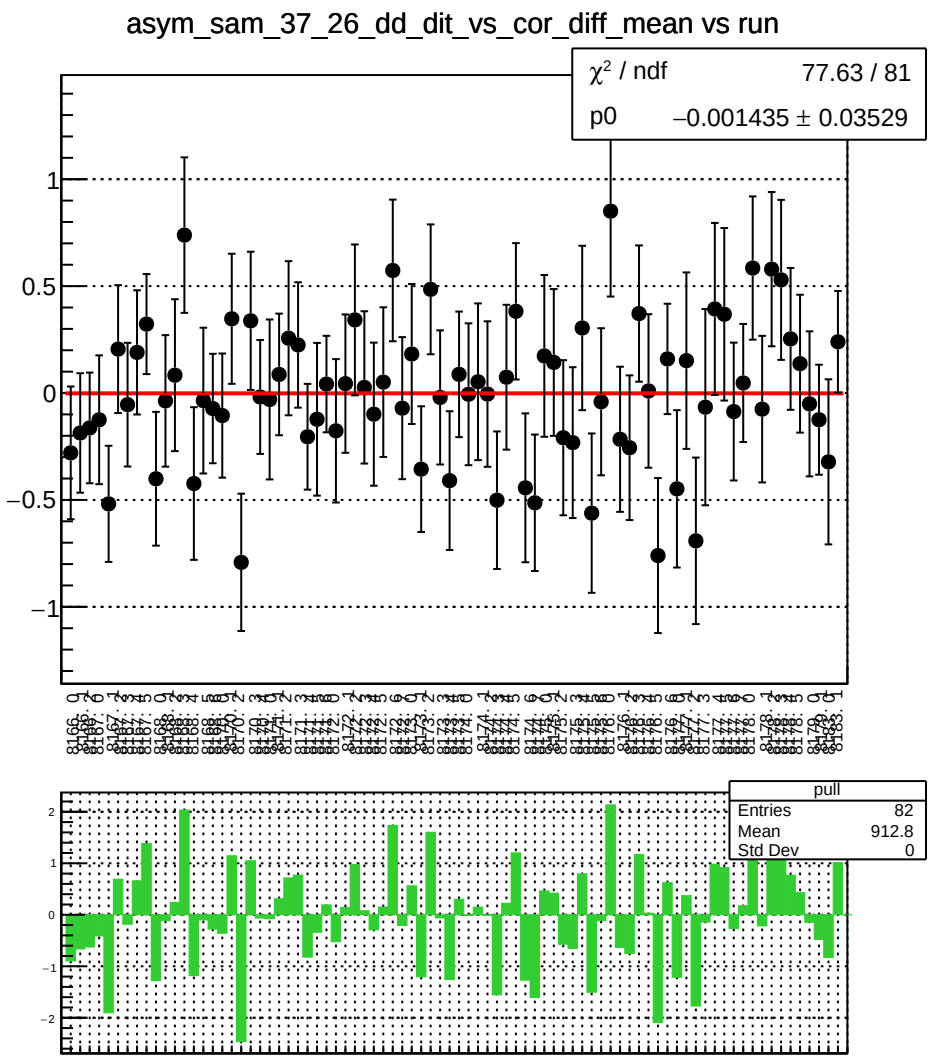

pull1D
Entries 82
Mean 0.009737
Std Dev 0.9419

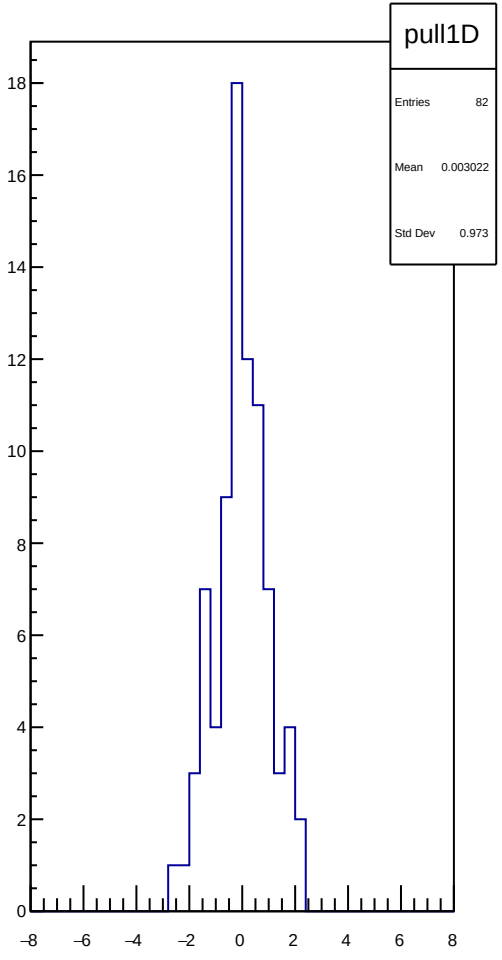

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5994 / 81
p0 198.8 ± 0.1583
240
230
220
210
200
190
180
170

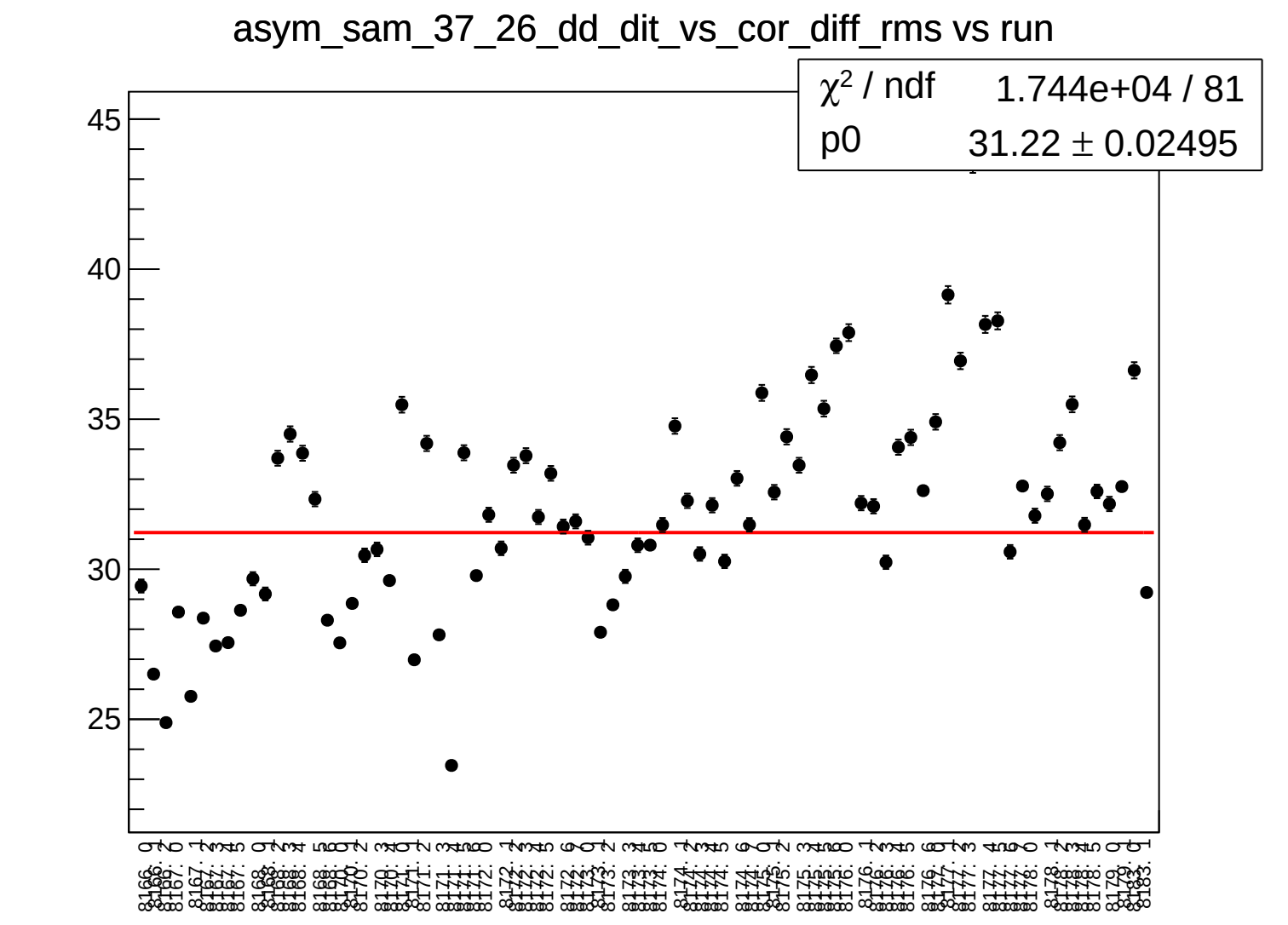

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 77.65 / 81
p0 −2.153e−14 ± 2.297e−14
pull
Entries 82
Mean 83.04
Std Dev 0

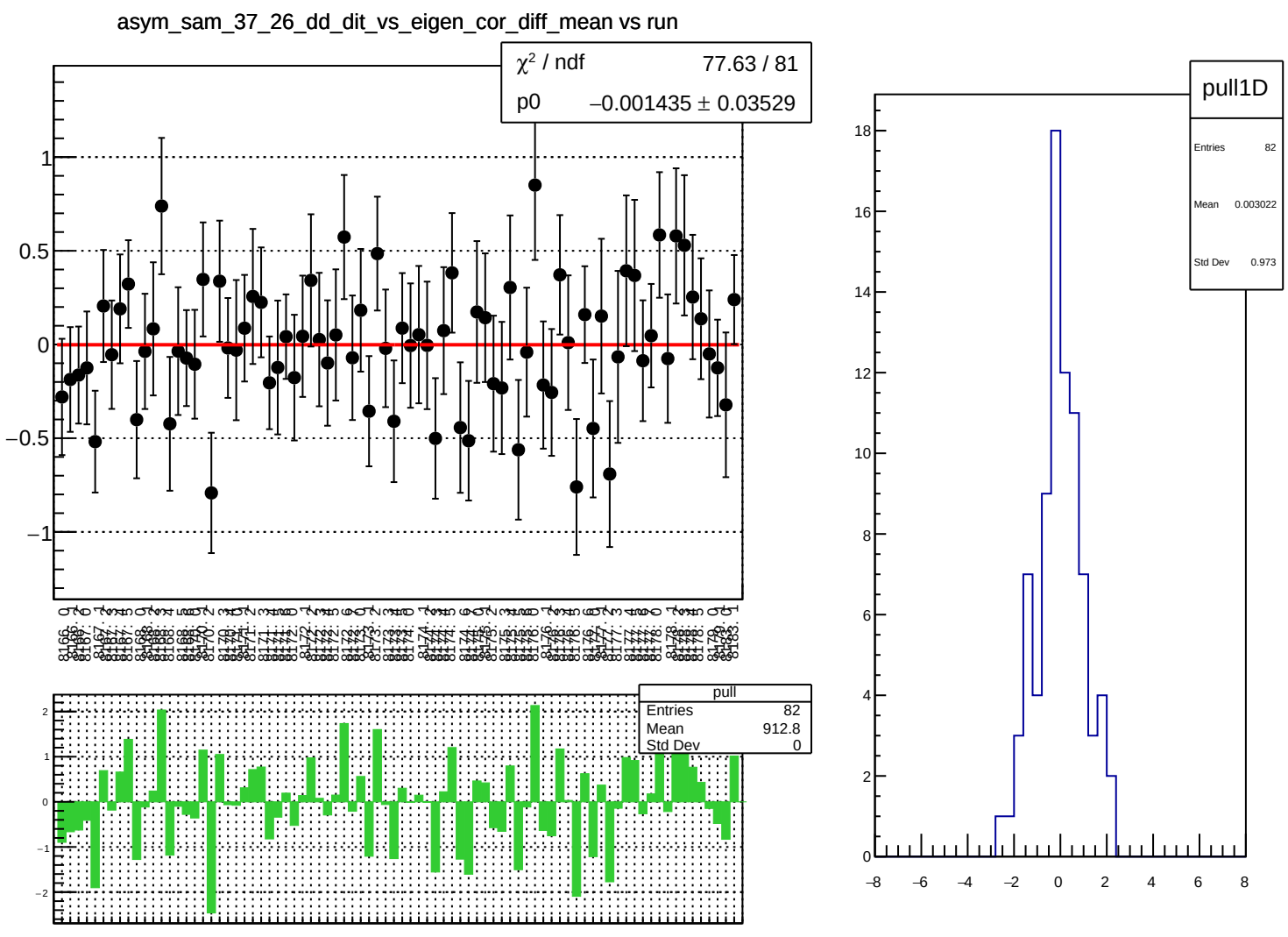

pull1D
Entries 82
Mean 0.03619
Std Dev 0.9725

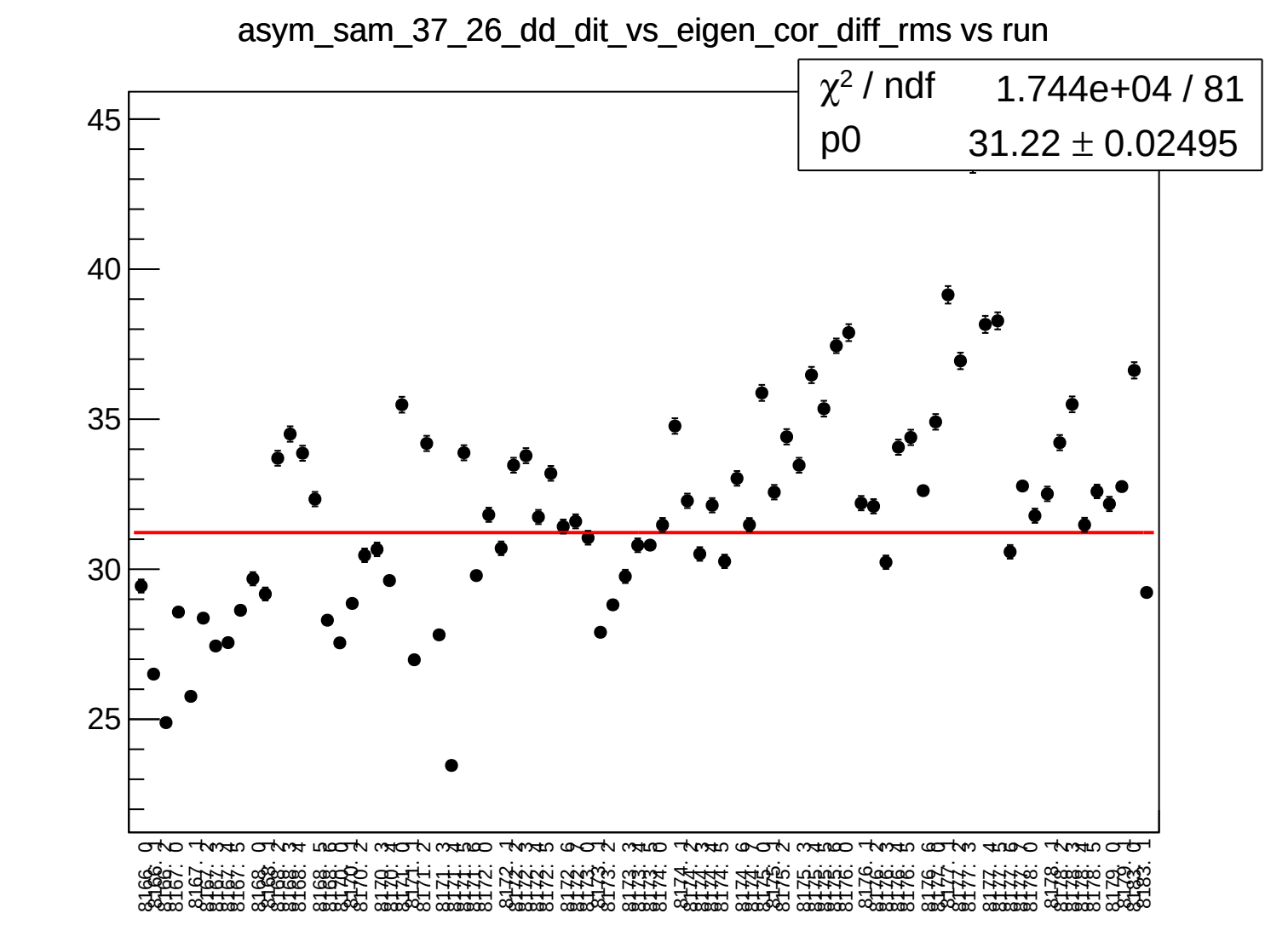

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.883e+05 / 81
p0 1.62e−11 ± 1.624e−14
0.025
0.02
0.015
0.01
0.005
0

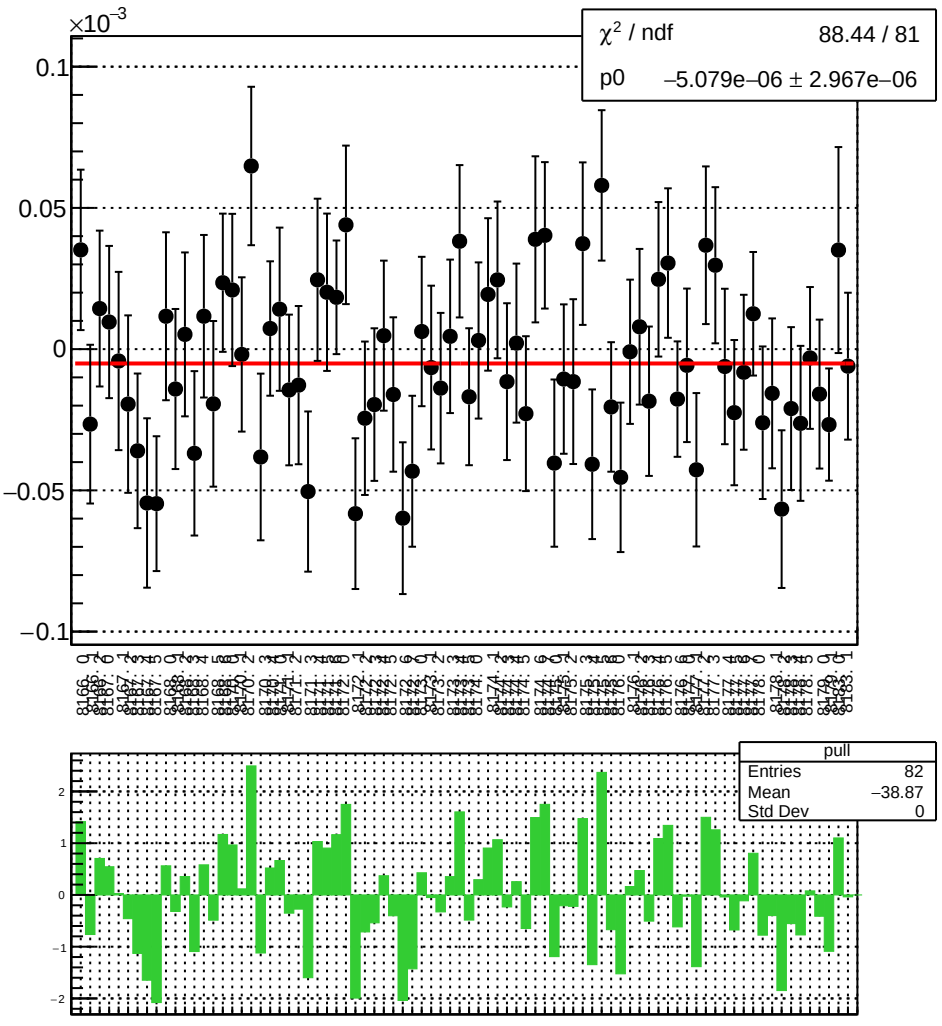

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 77.63 / 81
p0 −0.001435 ± 0.03529
pull
Entries 82
Mean 912.8
Std Dev 0

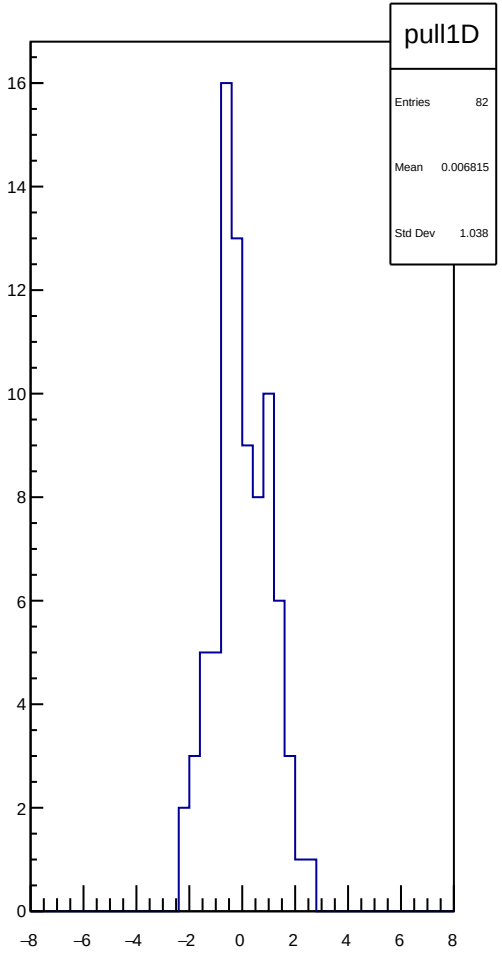

pull1D
Entries 82
Mean 0.003022
Std Dev 0.973

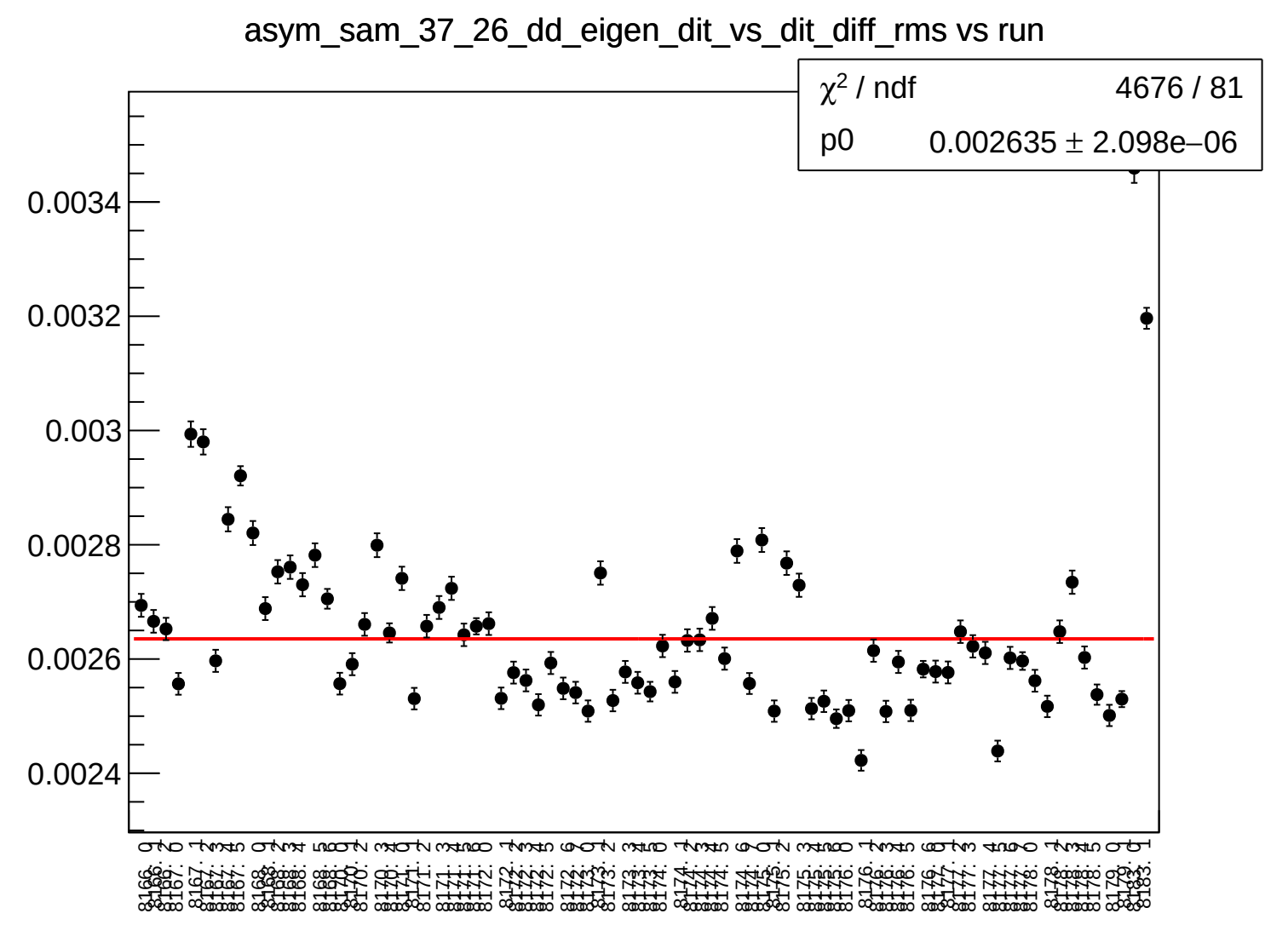

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.744e+04 / 81
p0 31.22 ± 0.02495
45
40
35
30
25

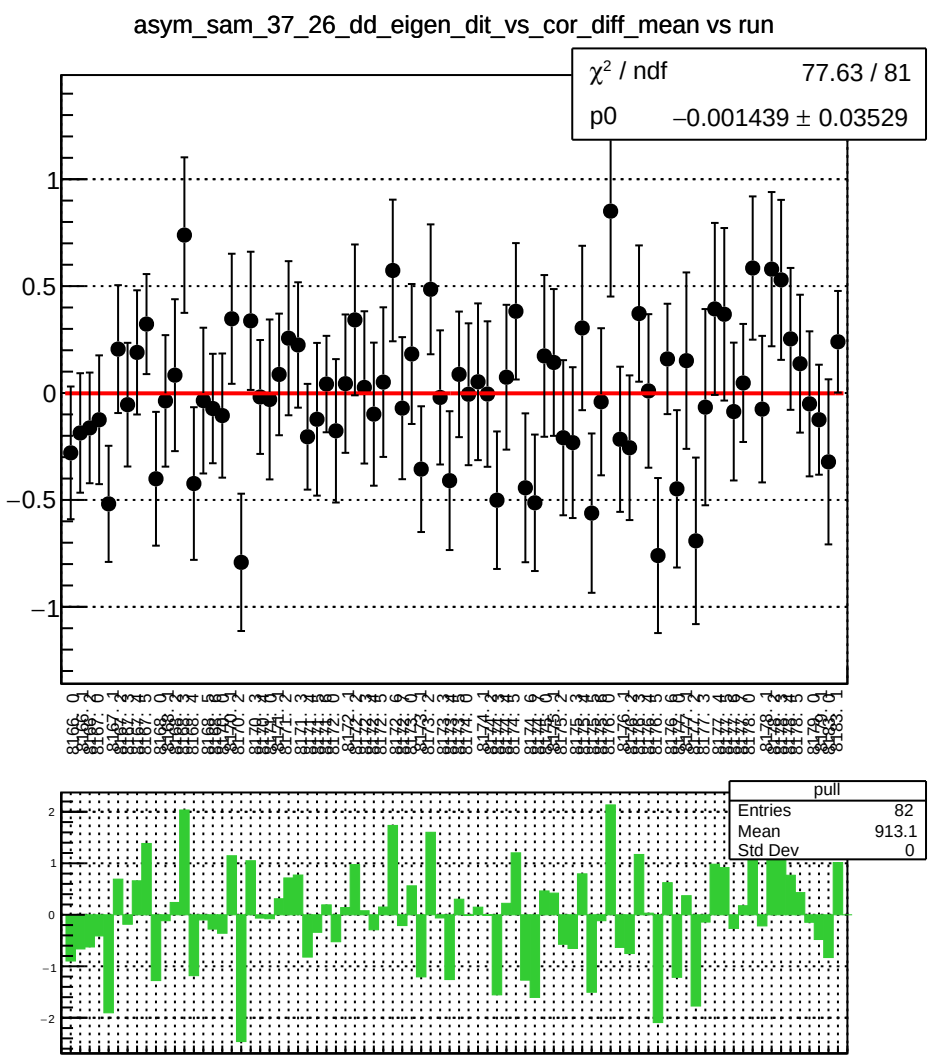

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.63 / 81
p0 −0.001435 ± 0.03529
pull
Entries 82
Mean 912.8
Std Dev 0
pull1D
Entries 82
Mean 0.003022
Std Dev 0.973

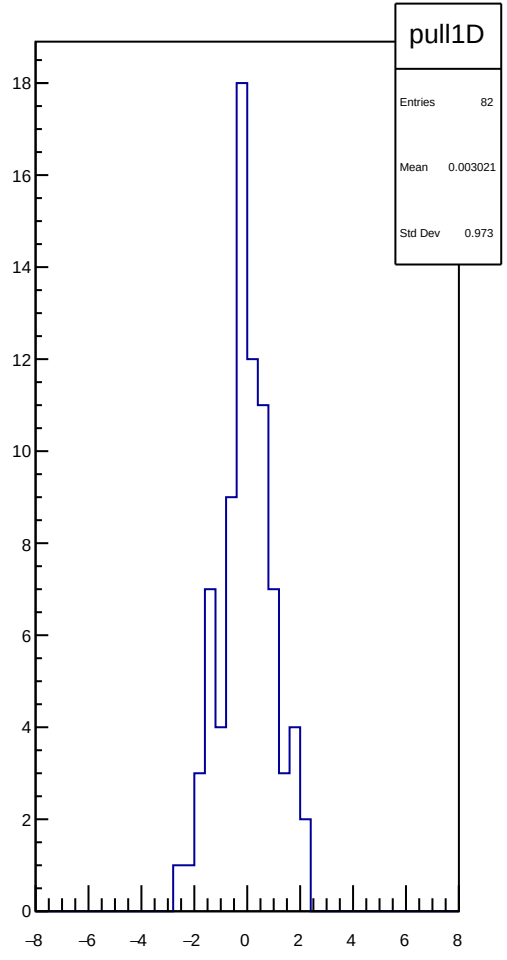

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.744e+04 / 81
p0 31.22 ± 0.02495
45
40
35
30
25

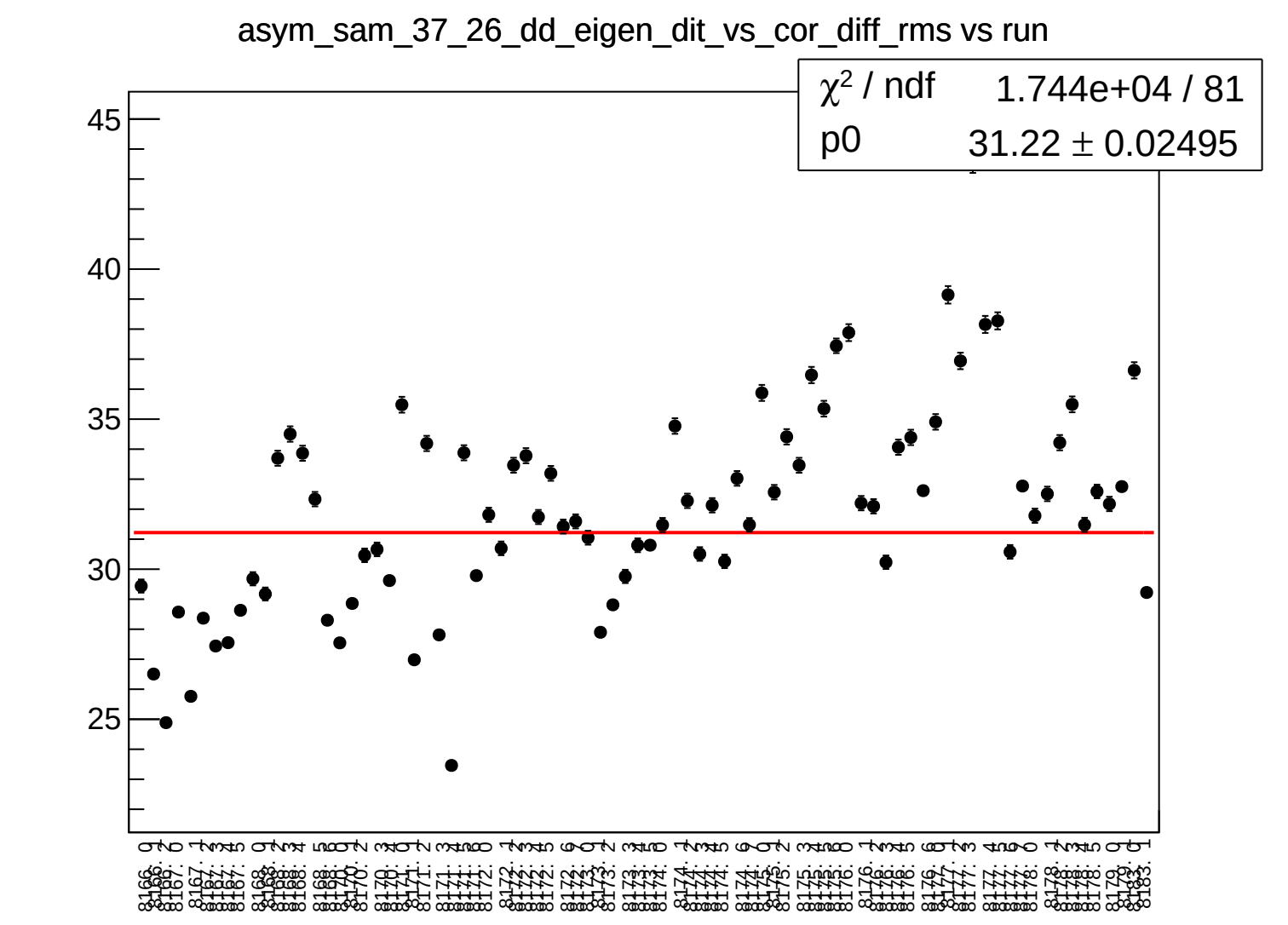

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.44 / 81
p0 −5.079e−06 ± 2.967e−06
pull
Entries 82
Mean −38.87
Std Dev 0

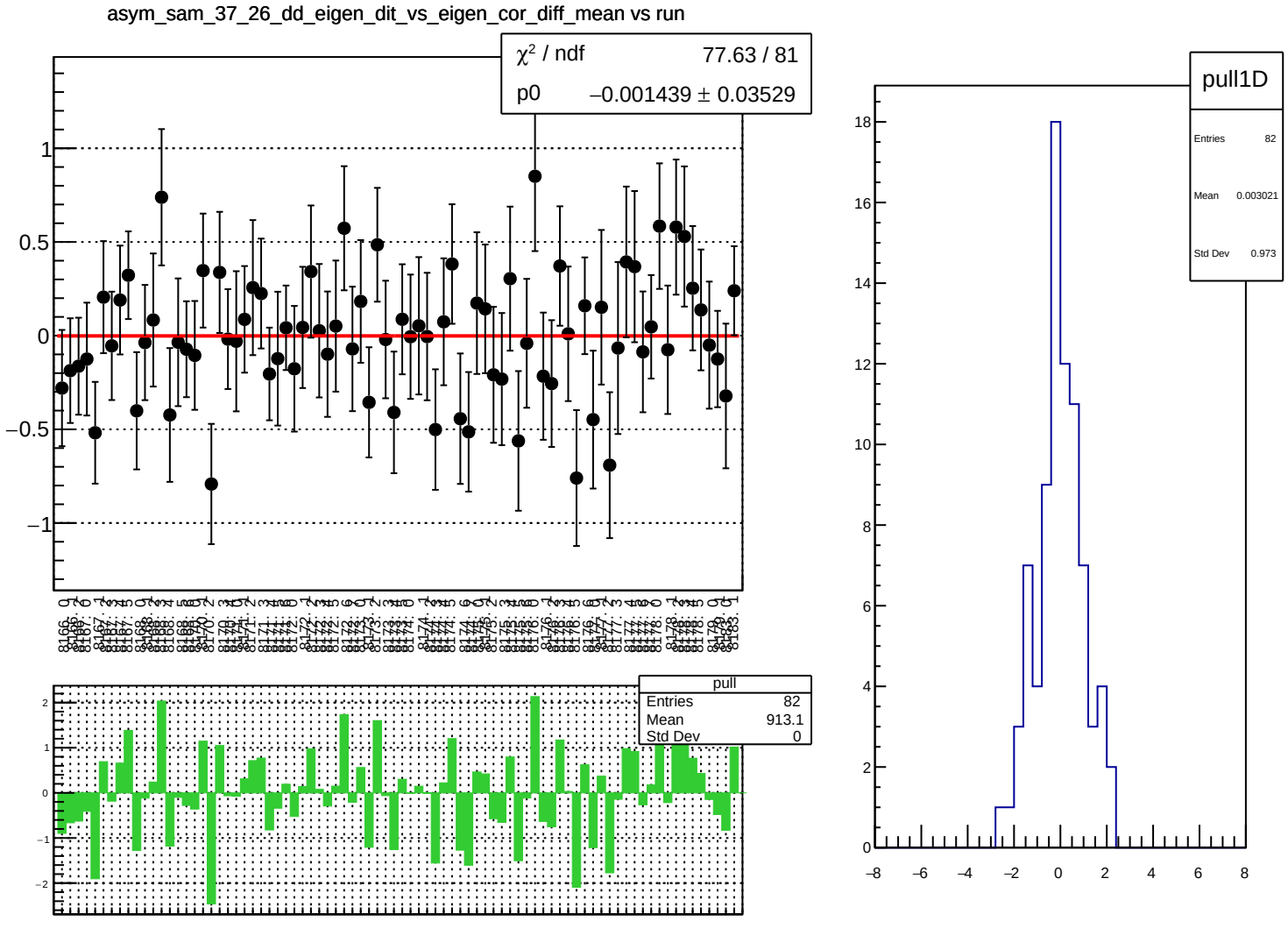

pull1D
Entries 82
Mean 0.006815
Std Dev 1.038

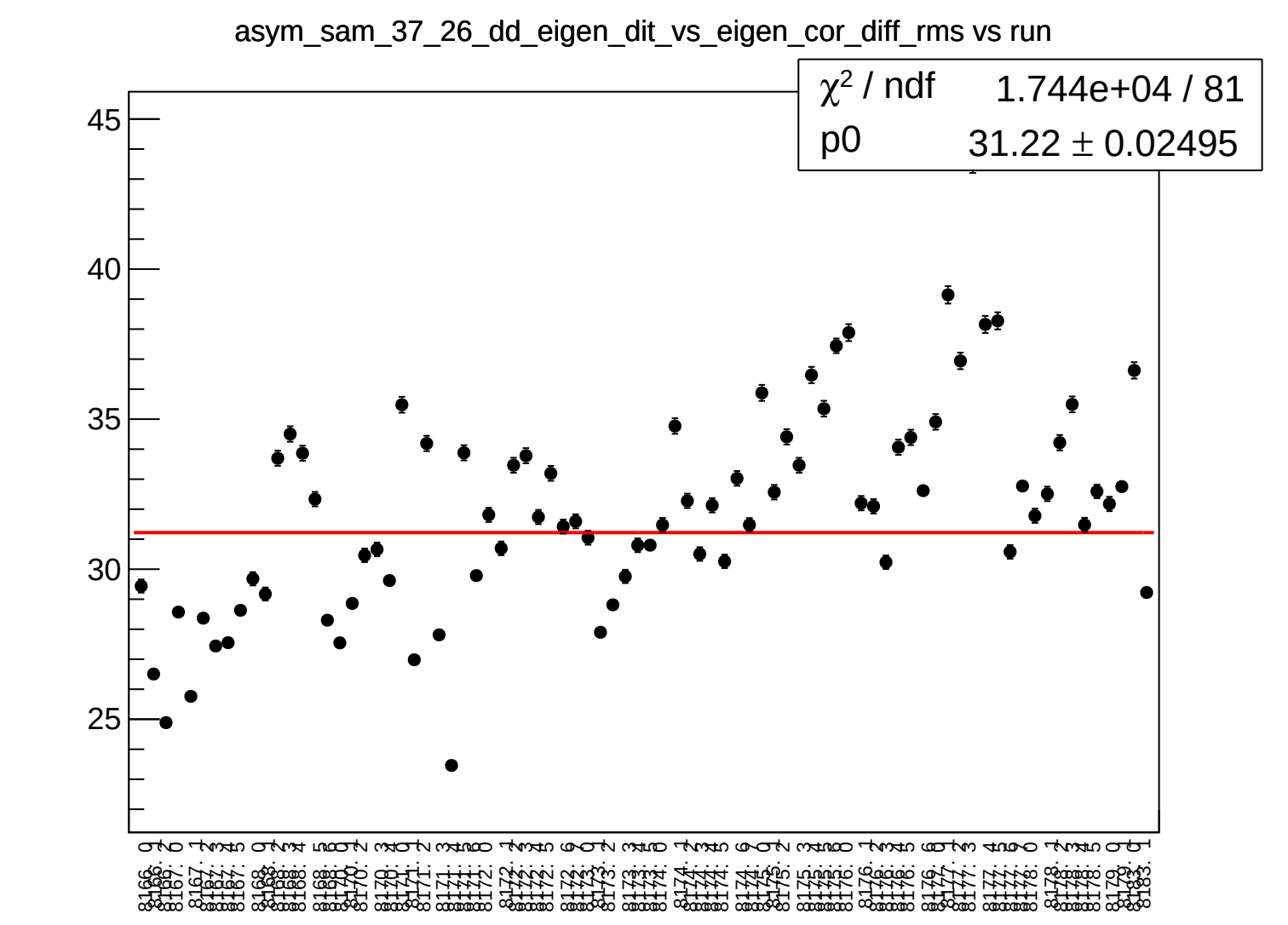

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4676 / 81
p0 0.002635 ± 2.098e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024

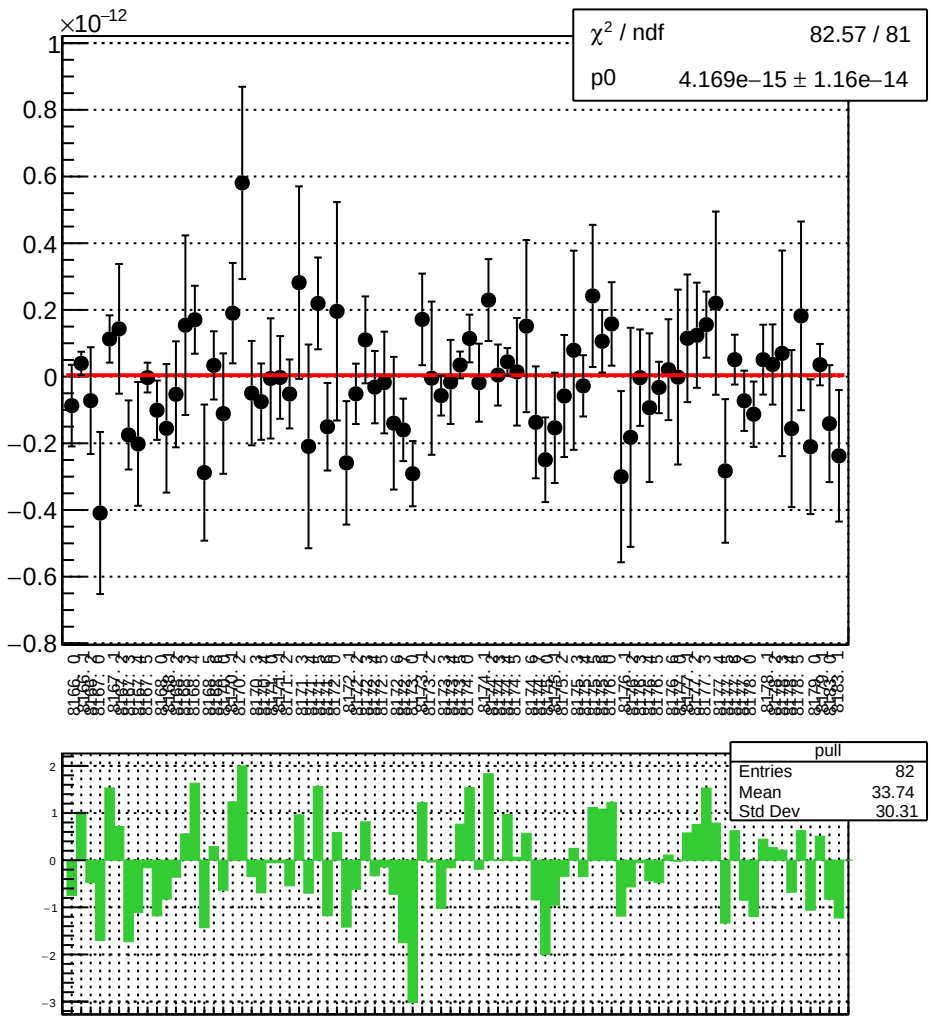

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.63 / 81
p0 −0.001439 ± 0.03529
pull
Entries 82
Mean 913.1
Std Dev 0

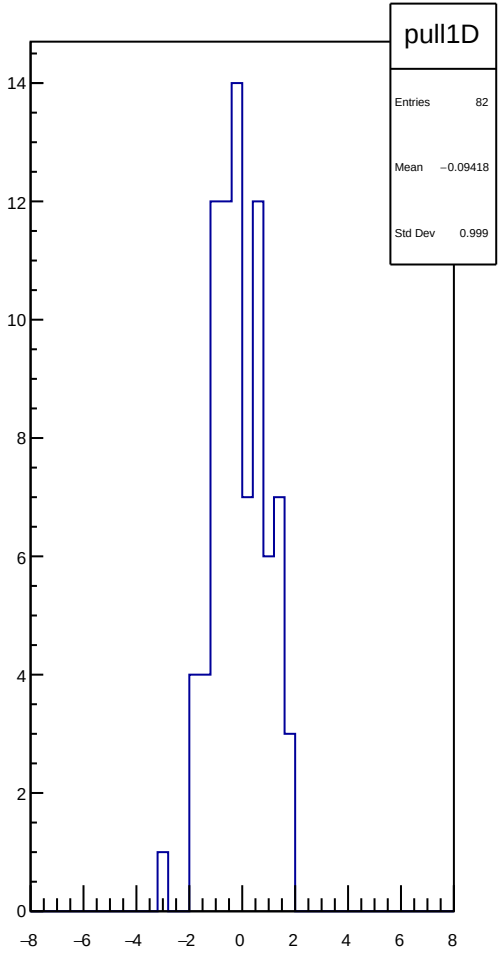

pull1D
Entries 82
Mean 0.003021
Std Dev 0.973

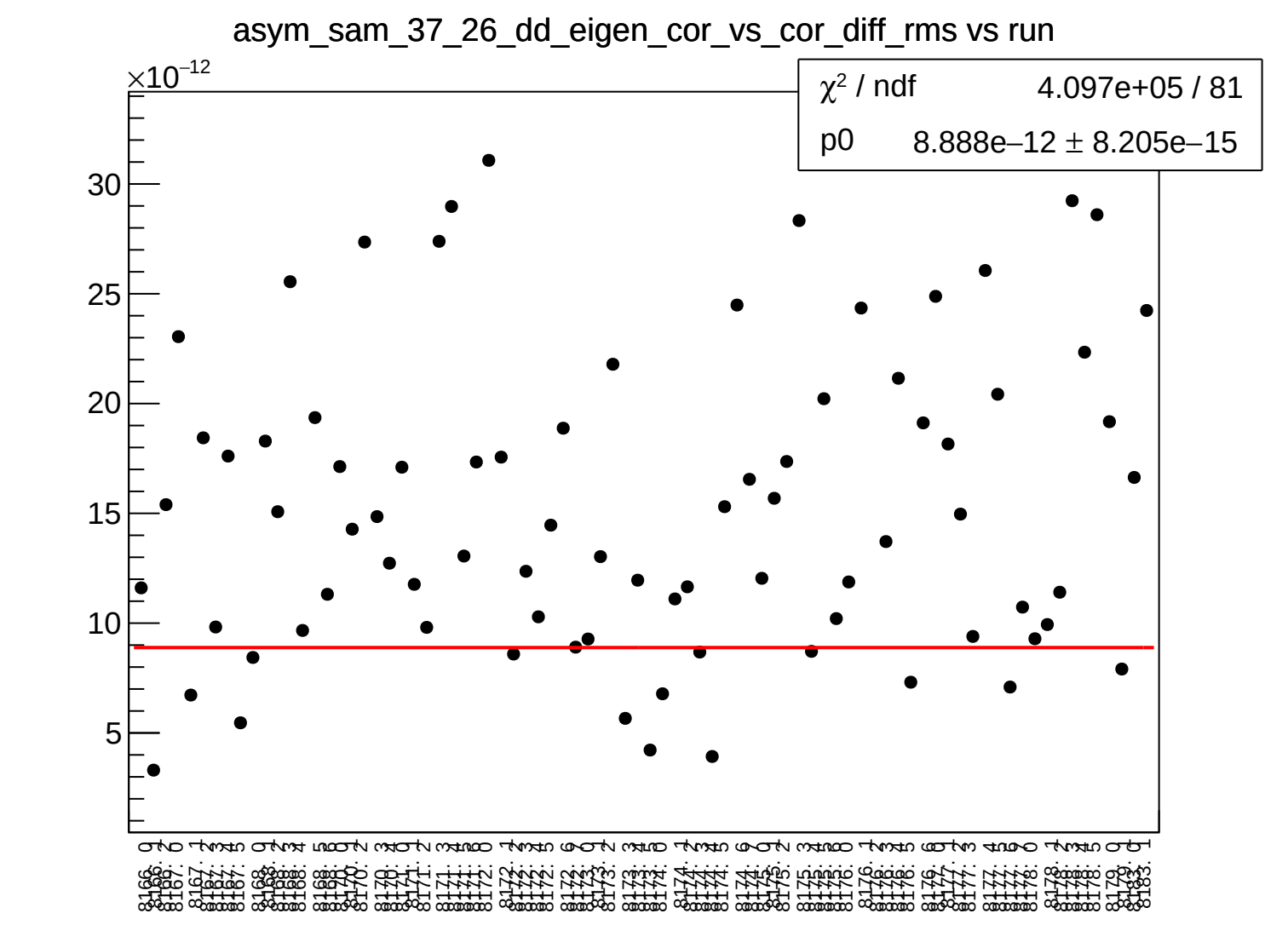

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.744e+04 / 81
p0 31.22 ± 0.02495
45
40
35
30
25

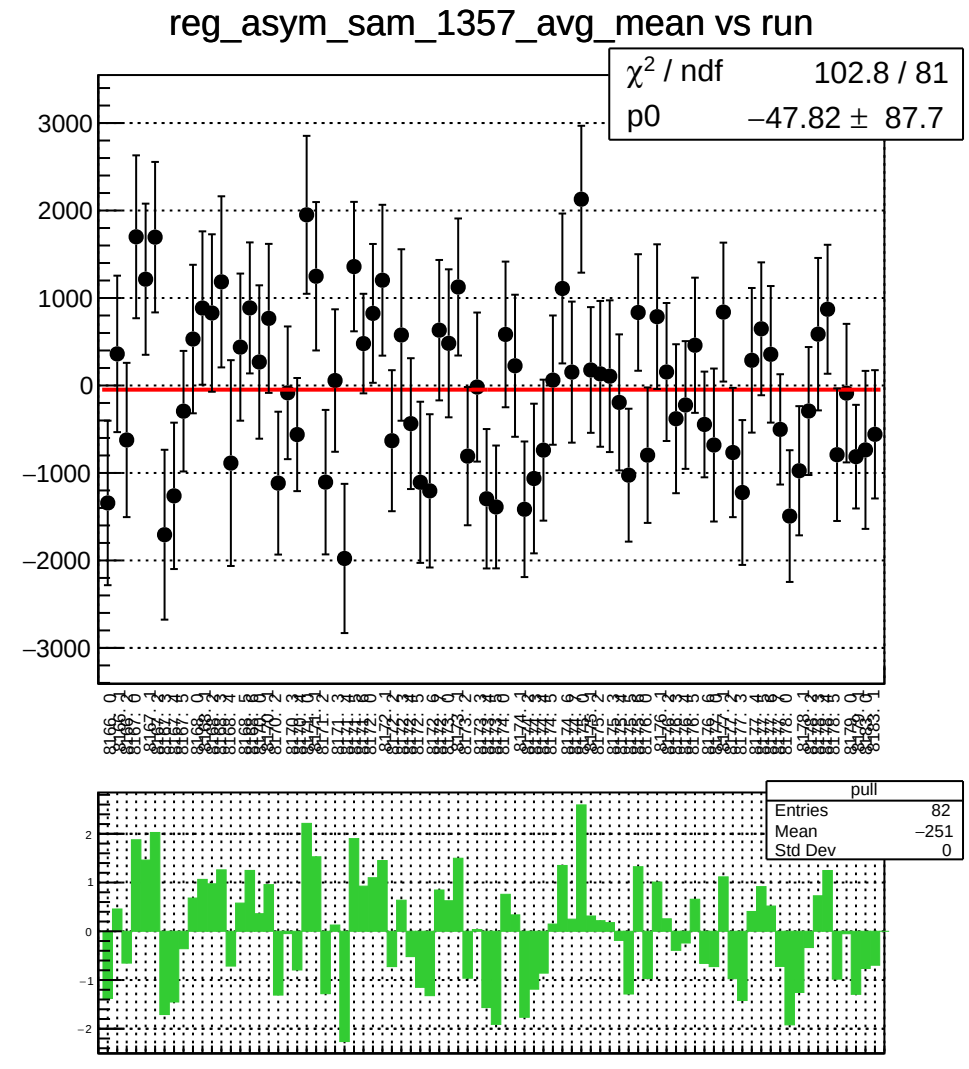

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.63 / 81
p0 −0.001439 ± 0.03529
pull
Entries 82
Mean 913.1
Std Dev 0
pull1D
Entries 82
Mean 0.003021
Std Dev 0.973

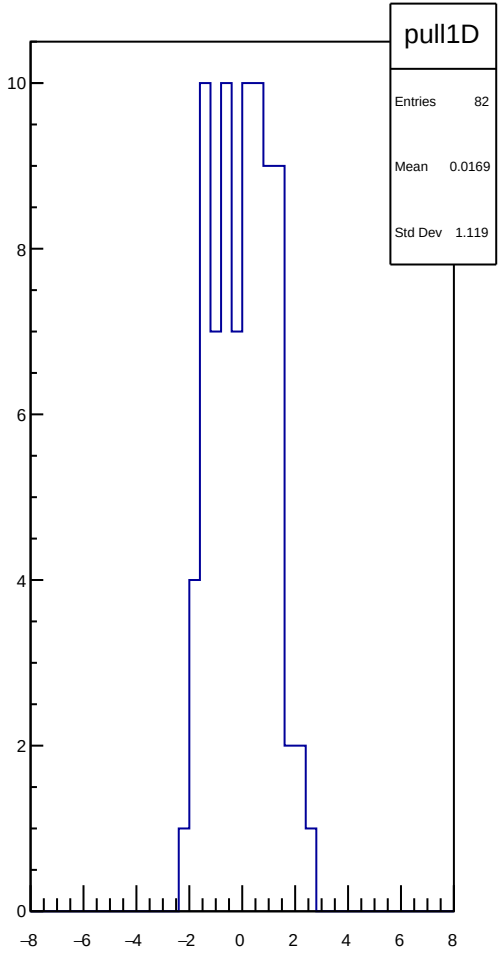

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.744e+04 / 81
p0 31.22 ± 0.02495
45
40
35
30
25

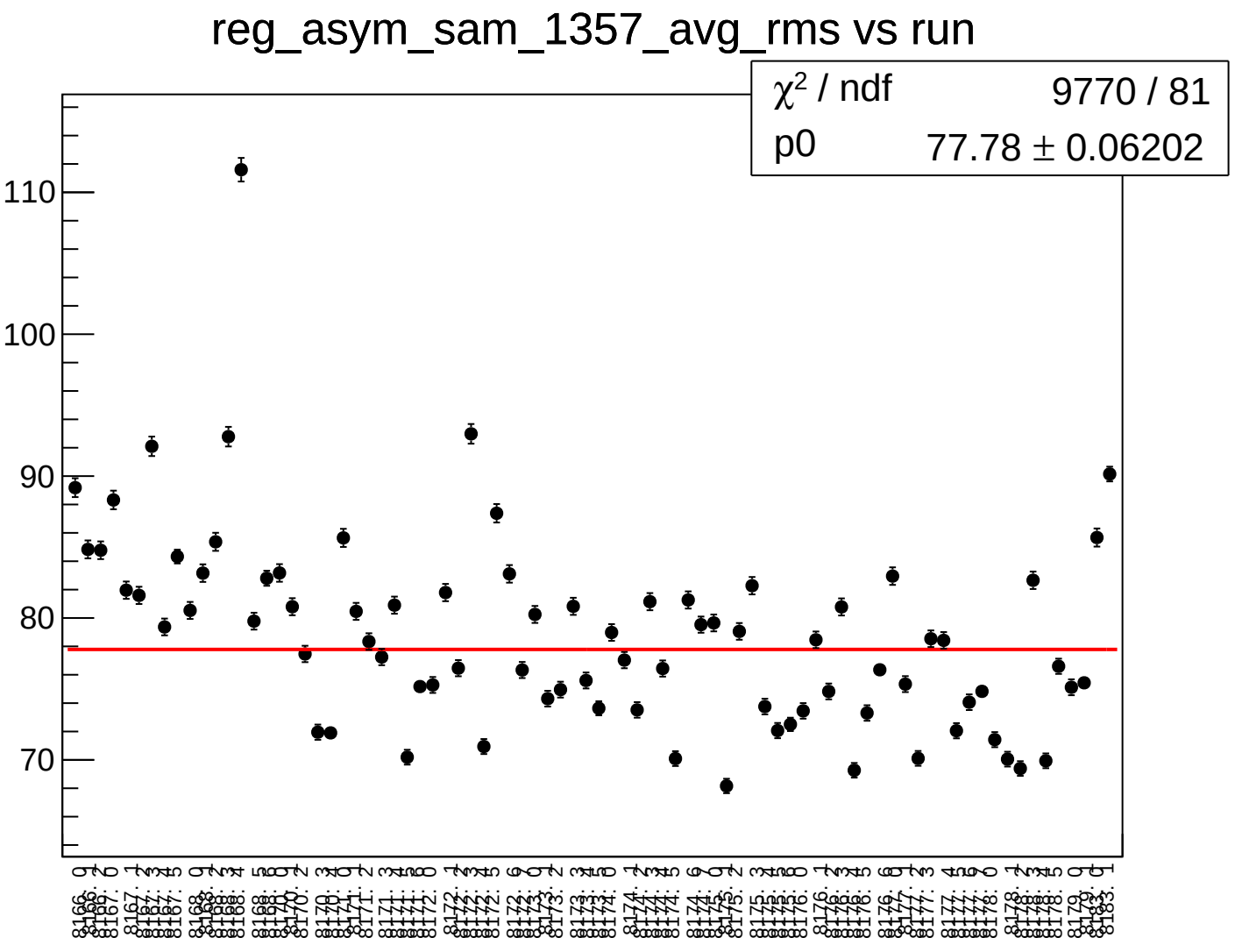

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.57 / 81
p0 4.169e−15 ± 1.16e−14
pull
Entries 82
Mean 33.74
Std Dev 30.31

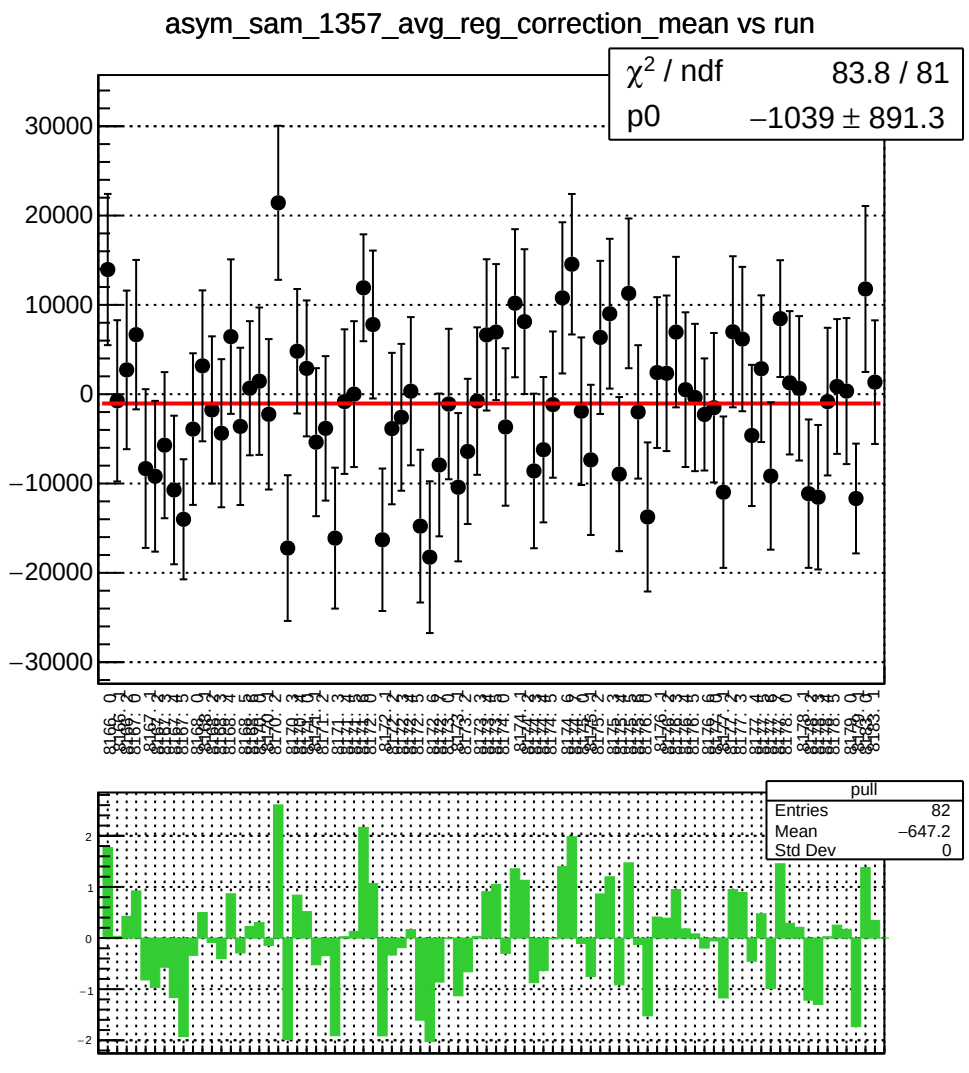

pull1D
Entries 82
Mean −0.09418
Std Dev 0.999

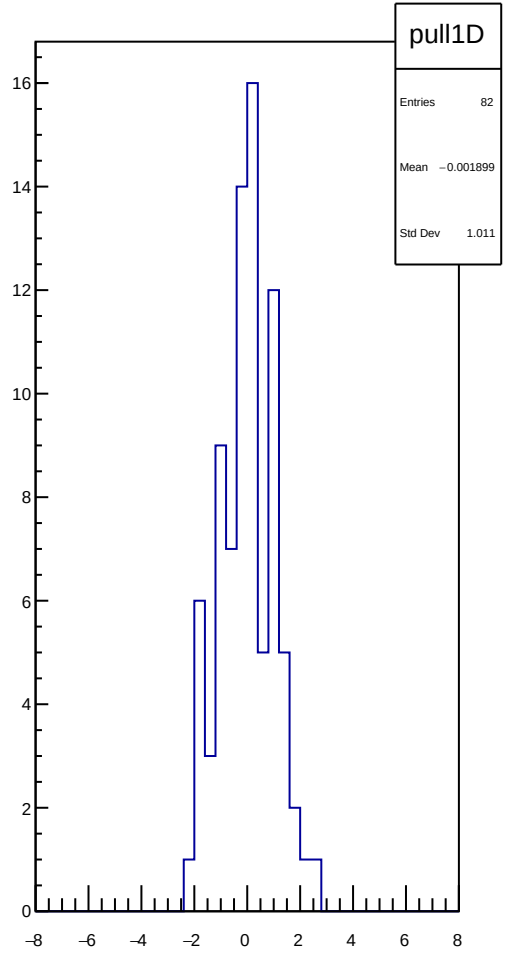

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.097e+05 / 81
p0 8.888e−12 ± 8.205e−15
30
25
20
15
10
5

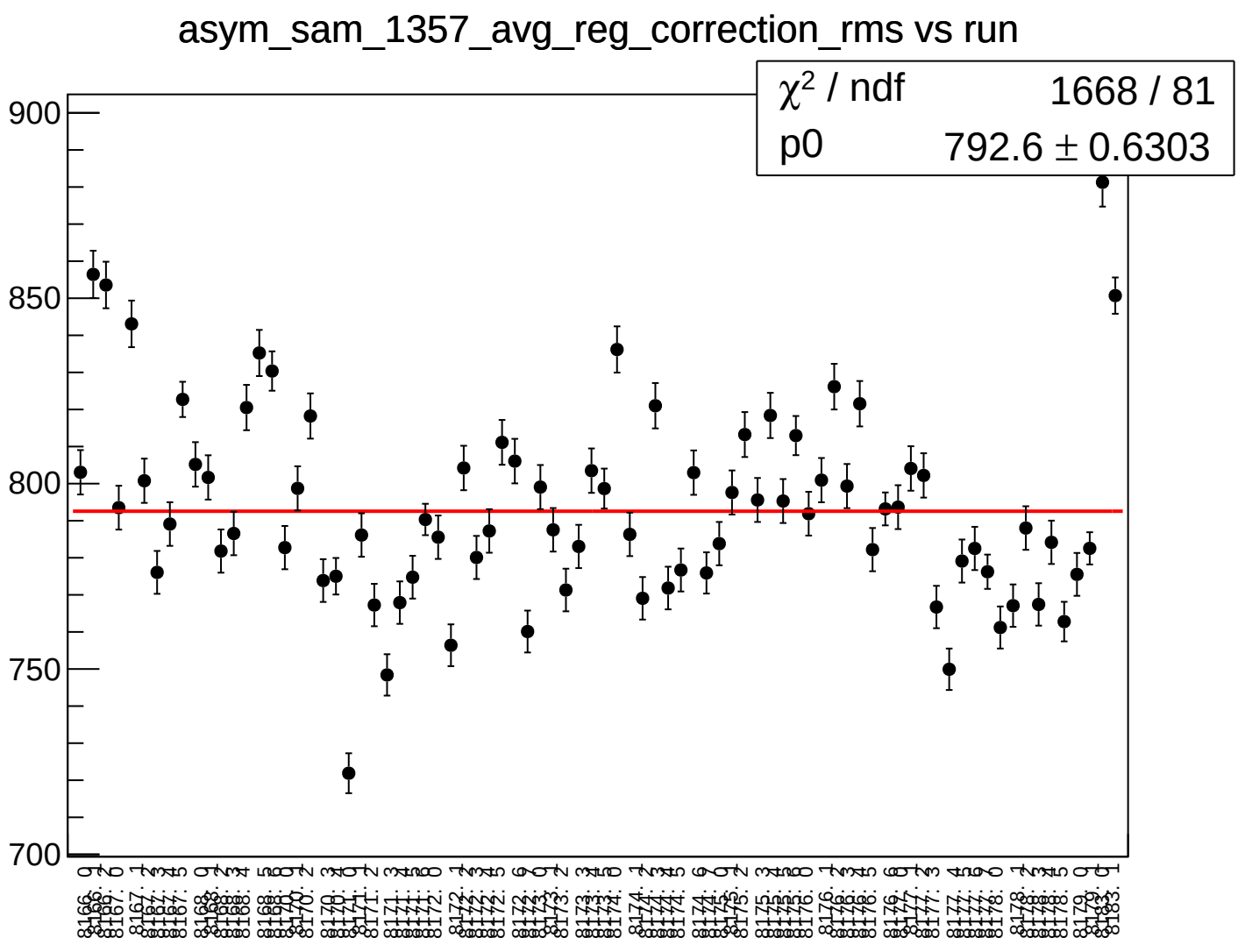

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 102.8 / 81
p0 −47.82 ± 87.7
pull
Entries 82
Mean −251
Std Dev 0

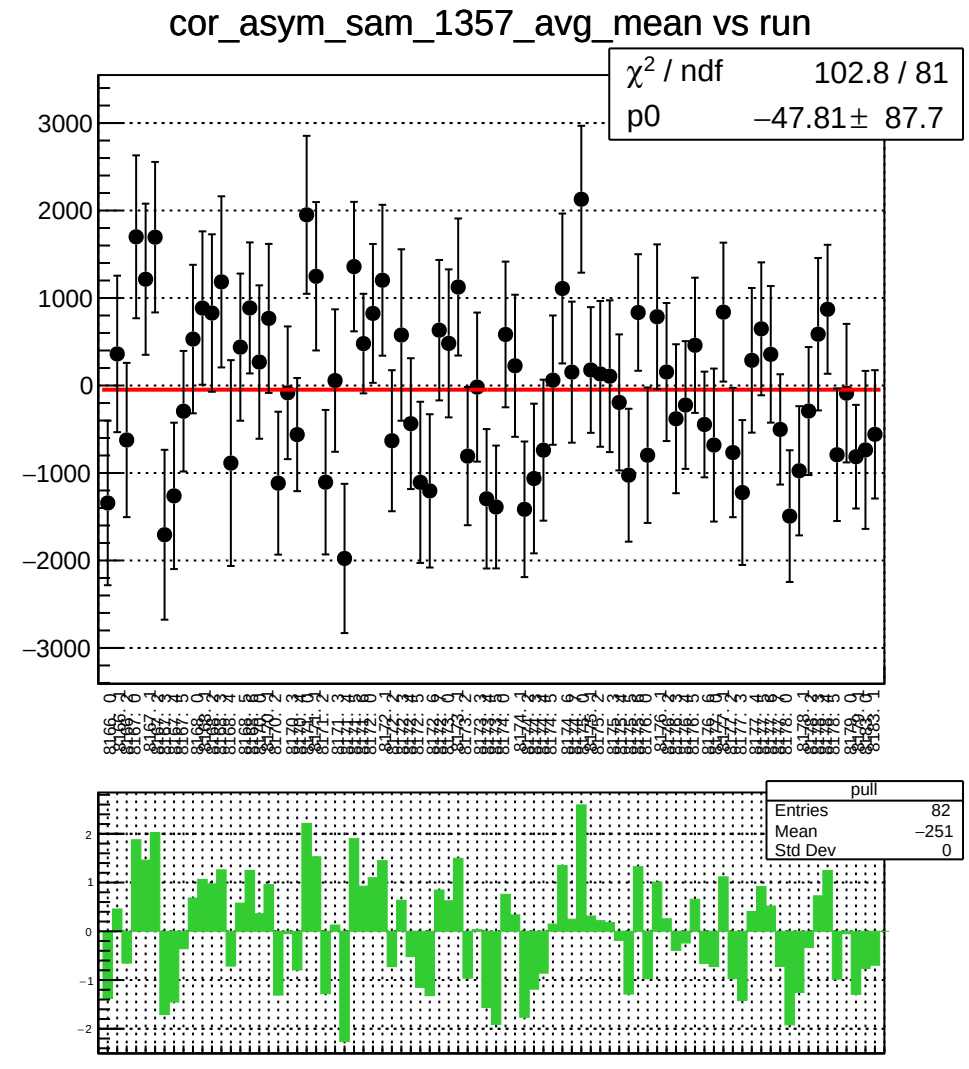

pull1D
Entries 82
Mean 0.0169
Std Dev 1.119

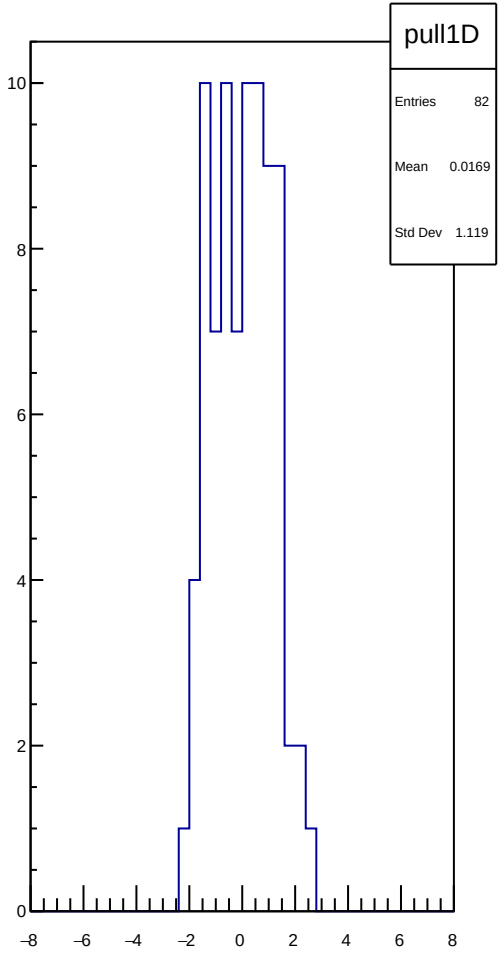

reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 9770 / 81
p0 77.78 ± 0.06202
110
100
90
80
70

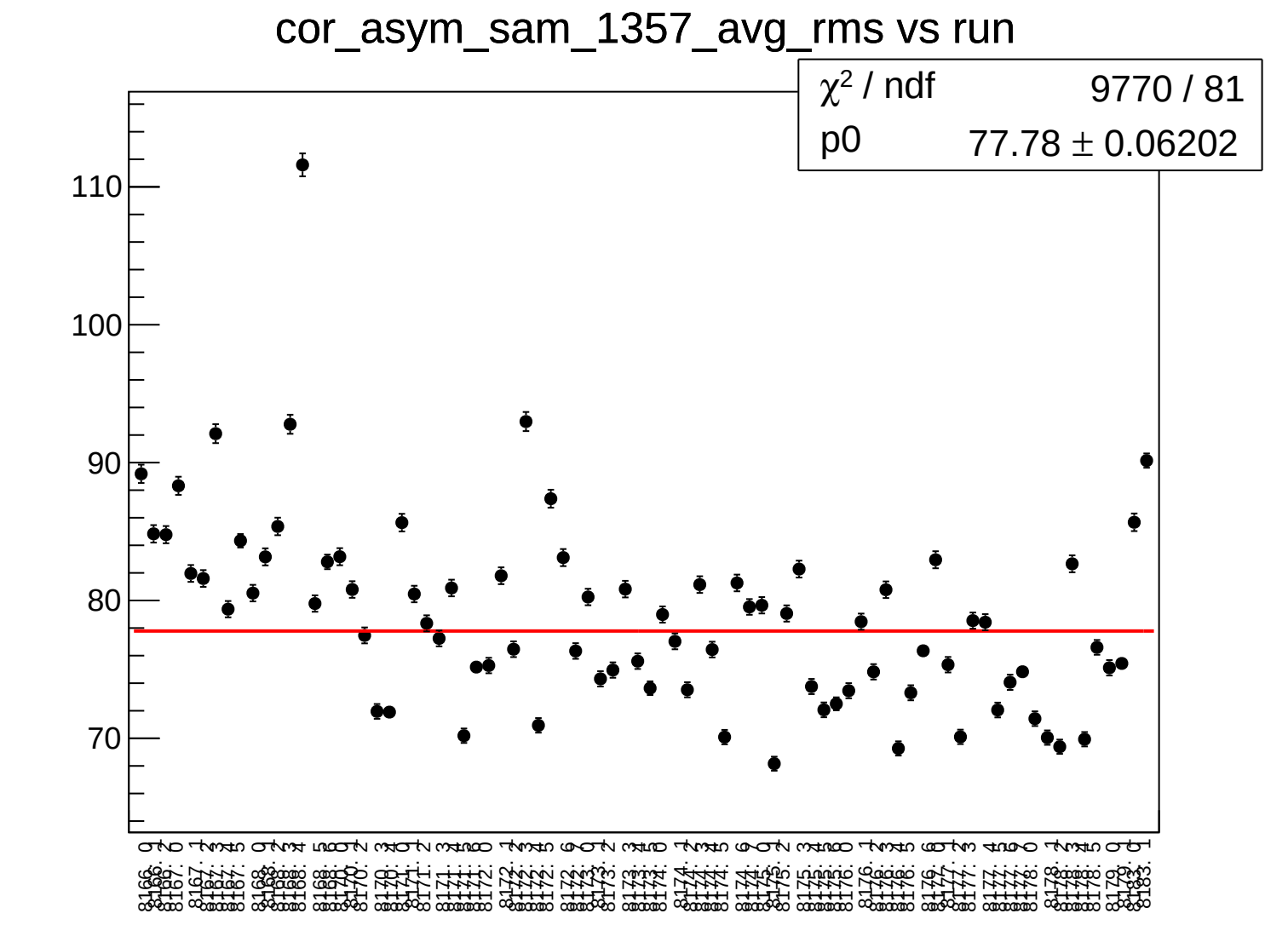

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 83.8 / 81
p0 −1039 ± 891.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −647.2
Std Dev 0
2
1
0
−1
−2

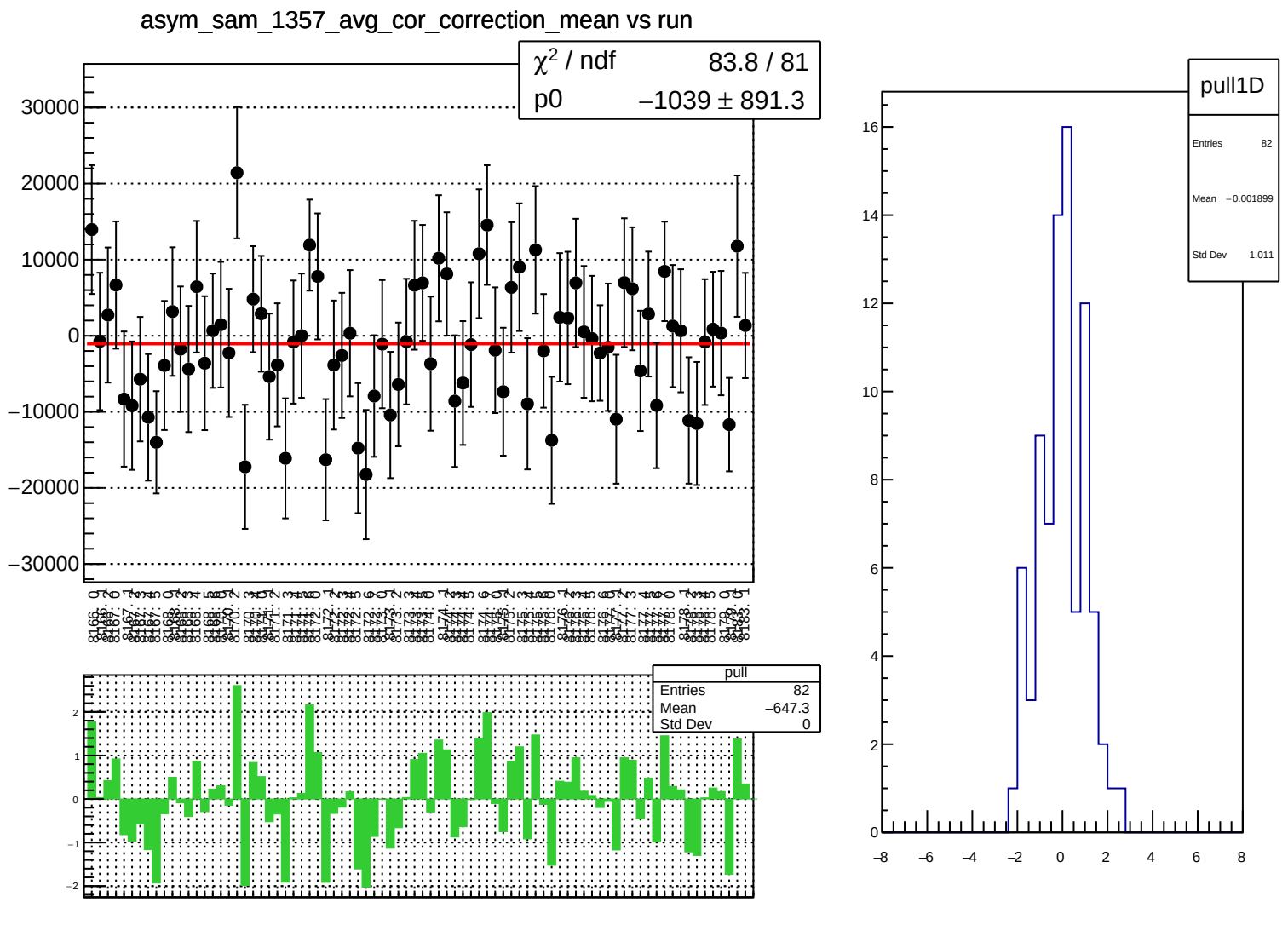

pull1D
Entries 82
Mean −0.001899
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

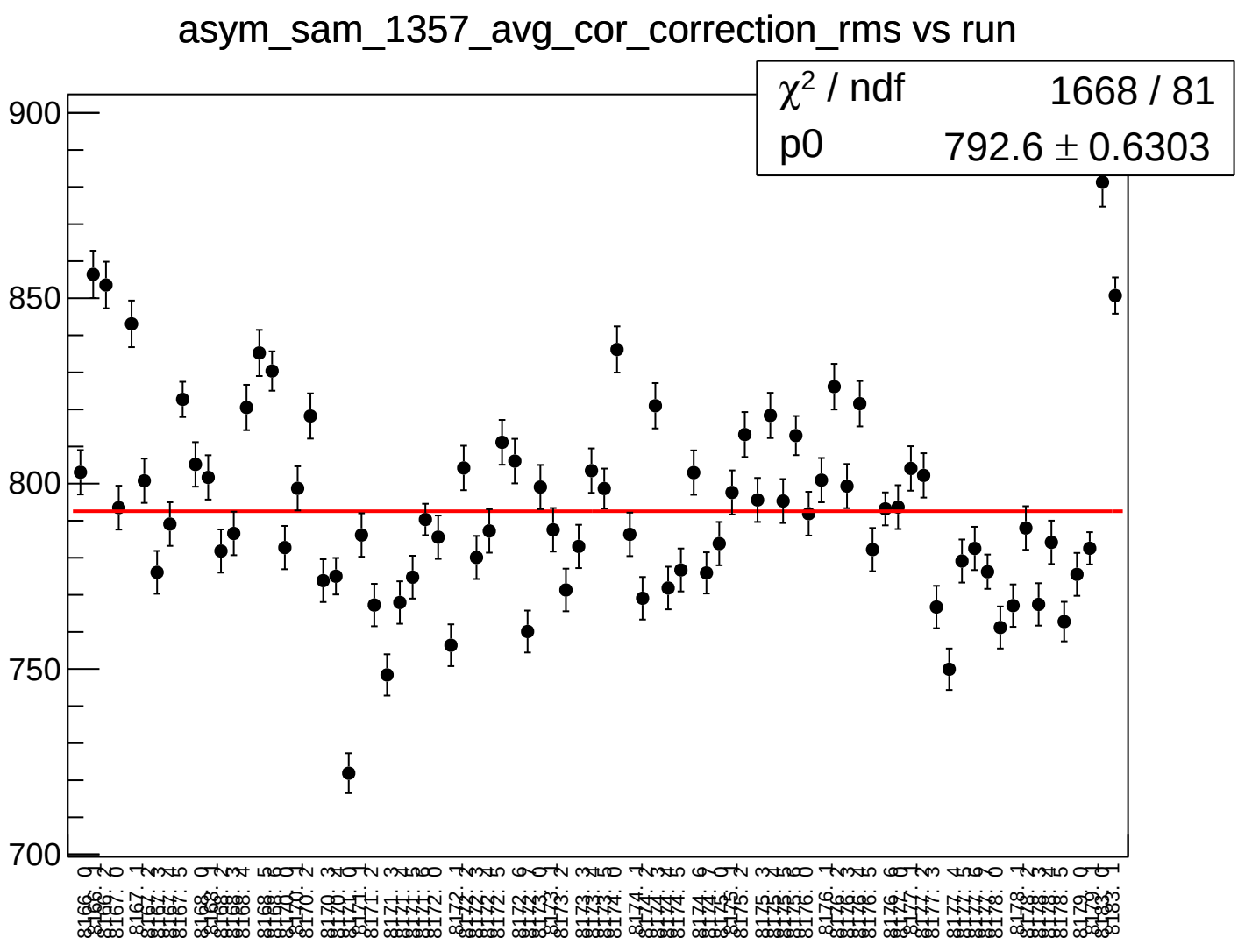

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1668 / 81
p0 792.6 ± 0.6303
900
850
800
750
700

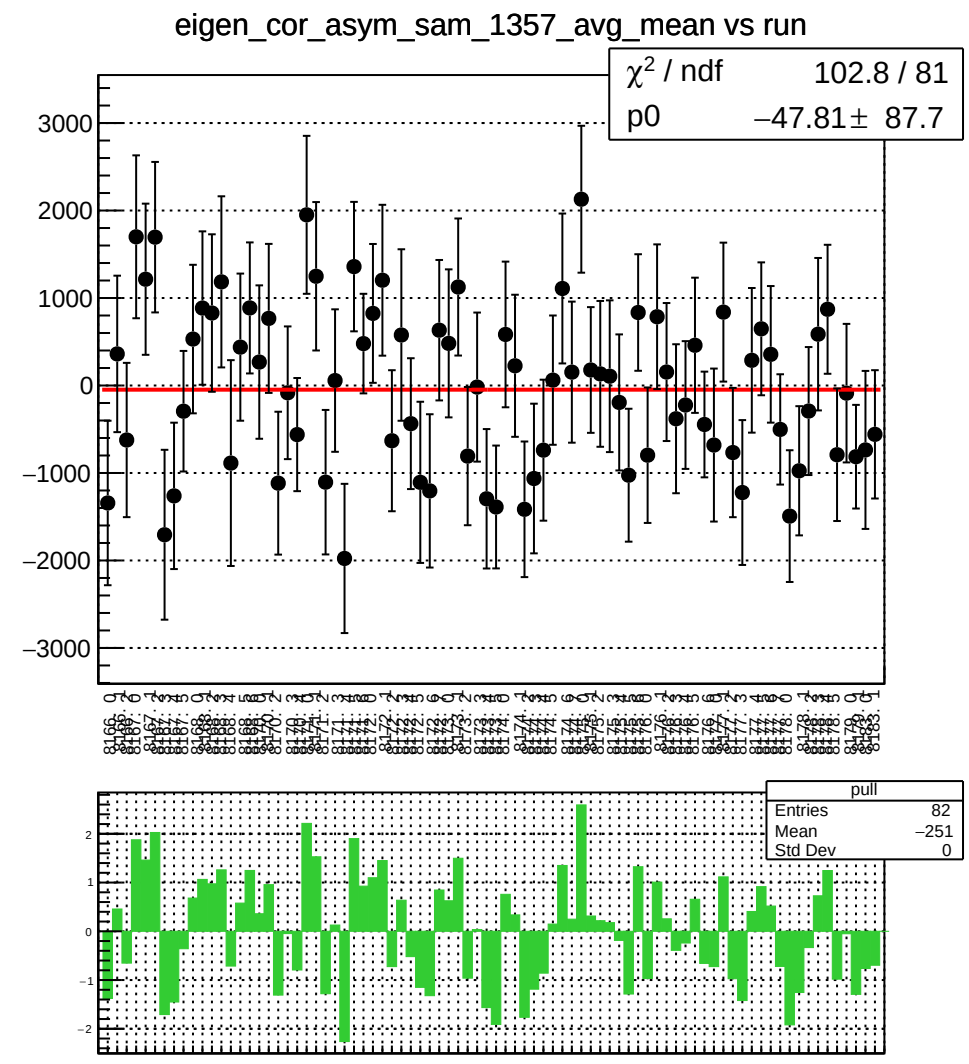

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 102.8 / 81
p0 −47.81± 87.7
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −251
Std Dev 0
2
1
0
−1
−2

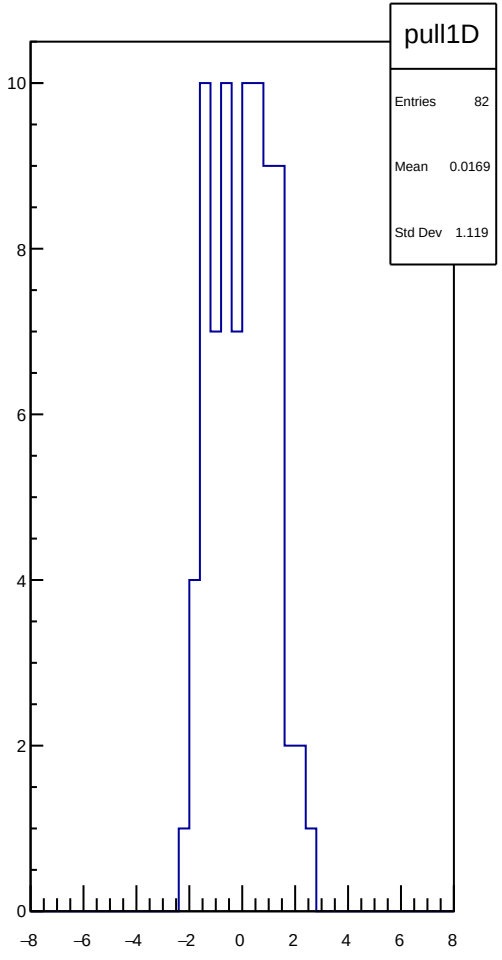

pull1D
Entries 82
Mean 0.0169
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

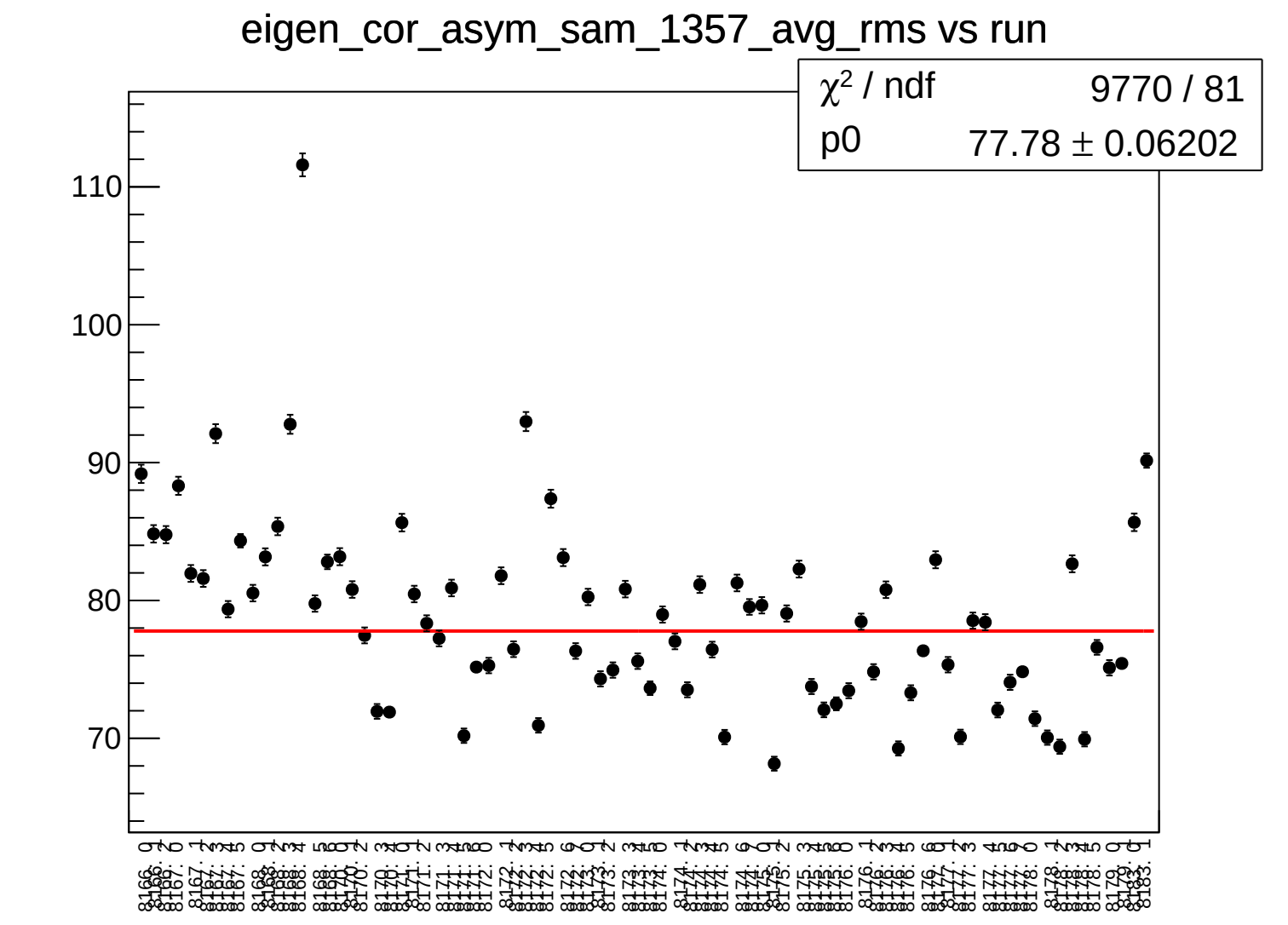

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 9770 / 81
p0 77.78 ± 0.06202
110
100
90
80
70

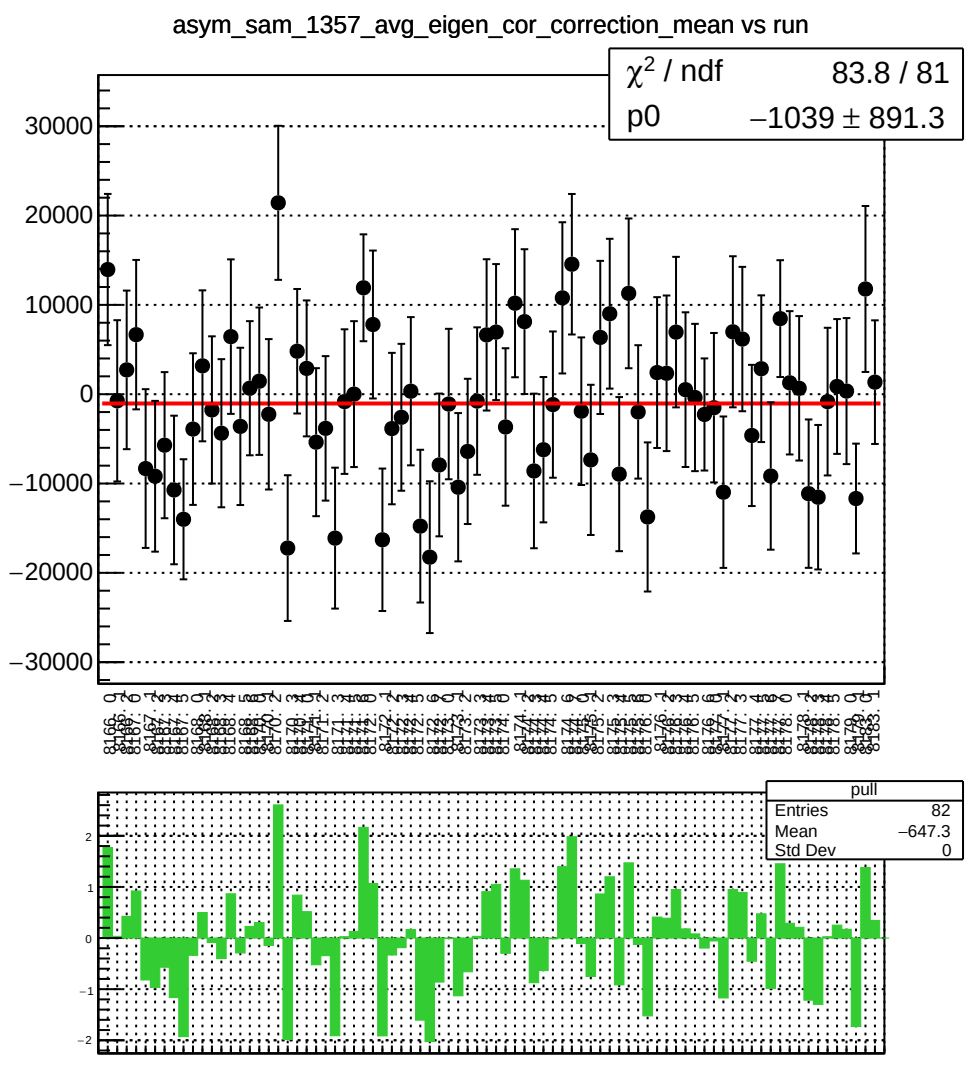

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 83.8 / 81
p0 −1039 ± 891.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −647.3
Std Dev 0
pull1D
Entries 82
Mean −0.001899
Std Dev 1.011

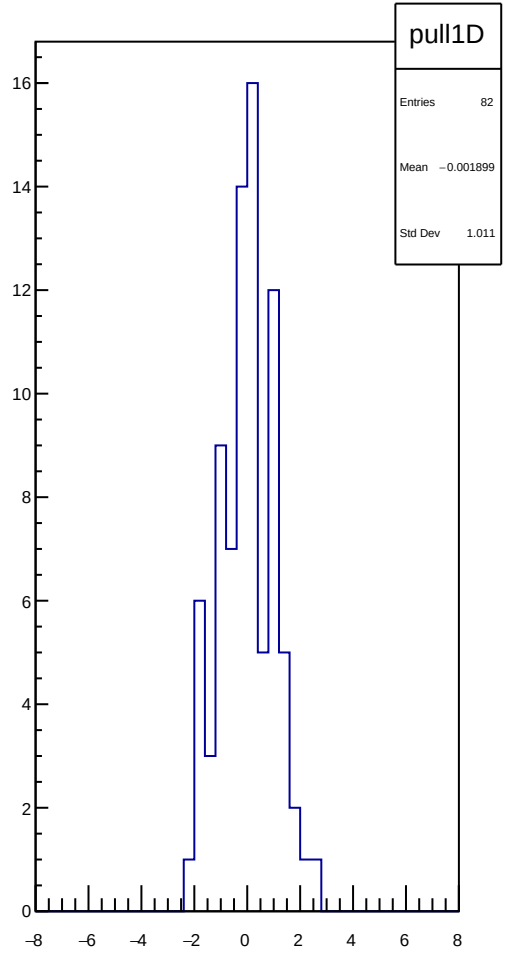

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1668 / 81
p0 792.6 ± 0.6303
900
850
800
750
700

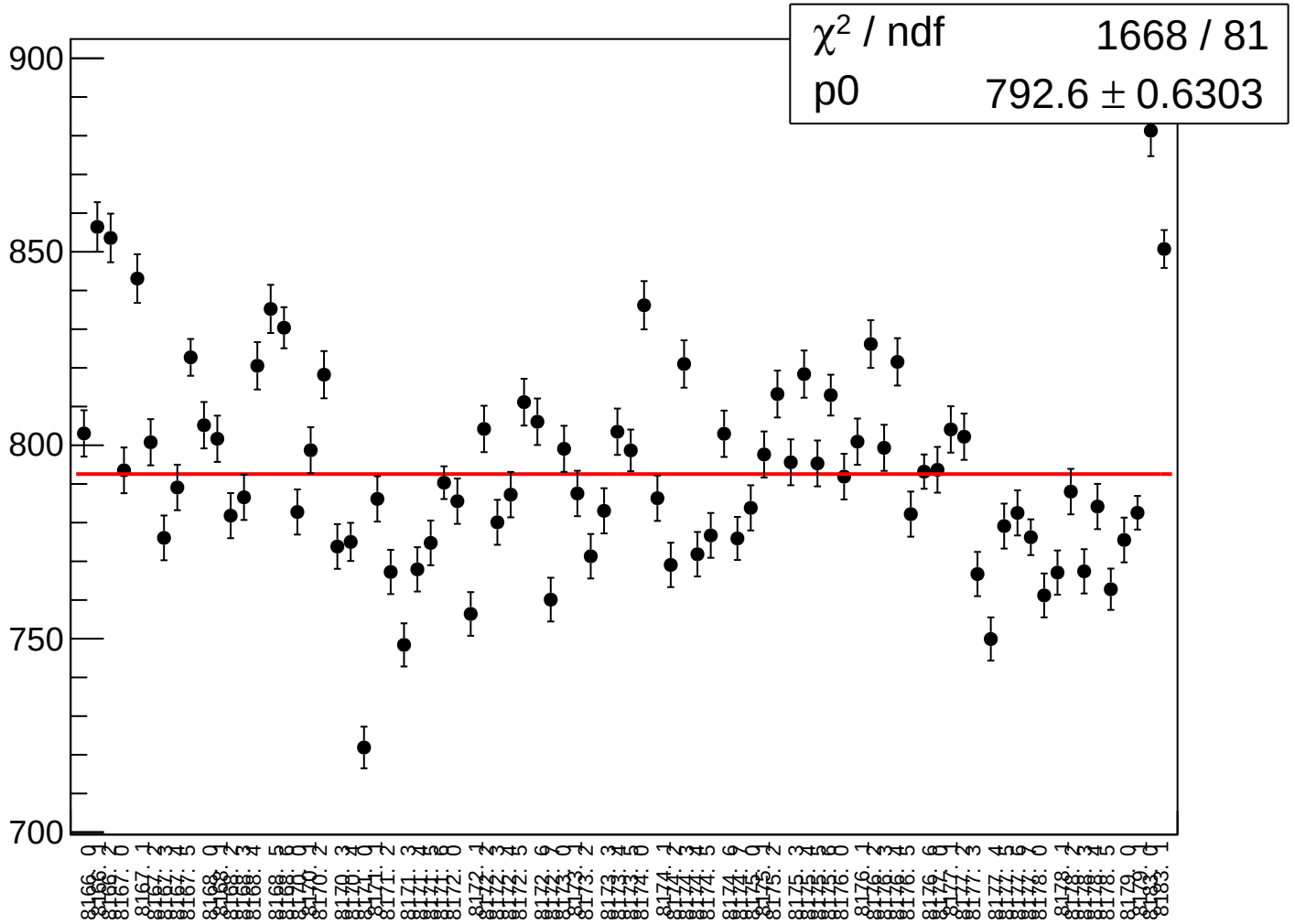

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 102.8 / 81
p0 −47.81± 87.7
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −251
Std Dev 0
2
1
0
−1
−2

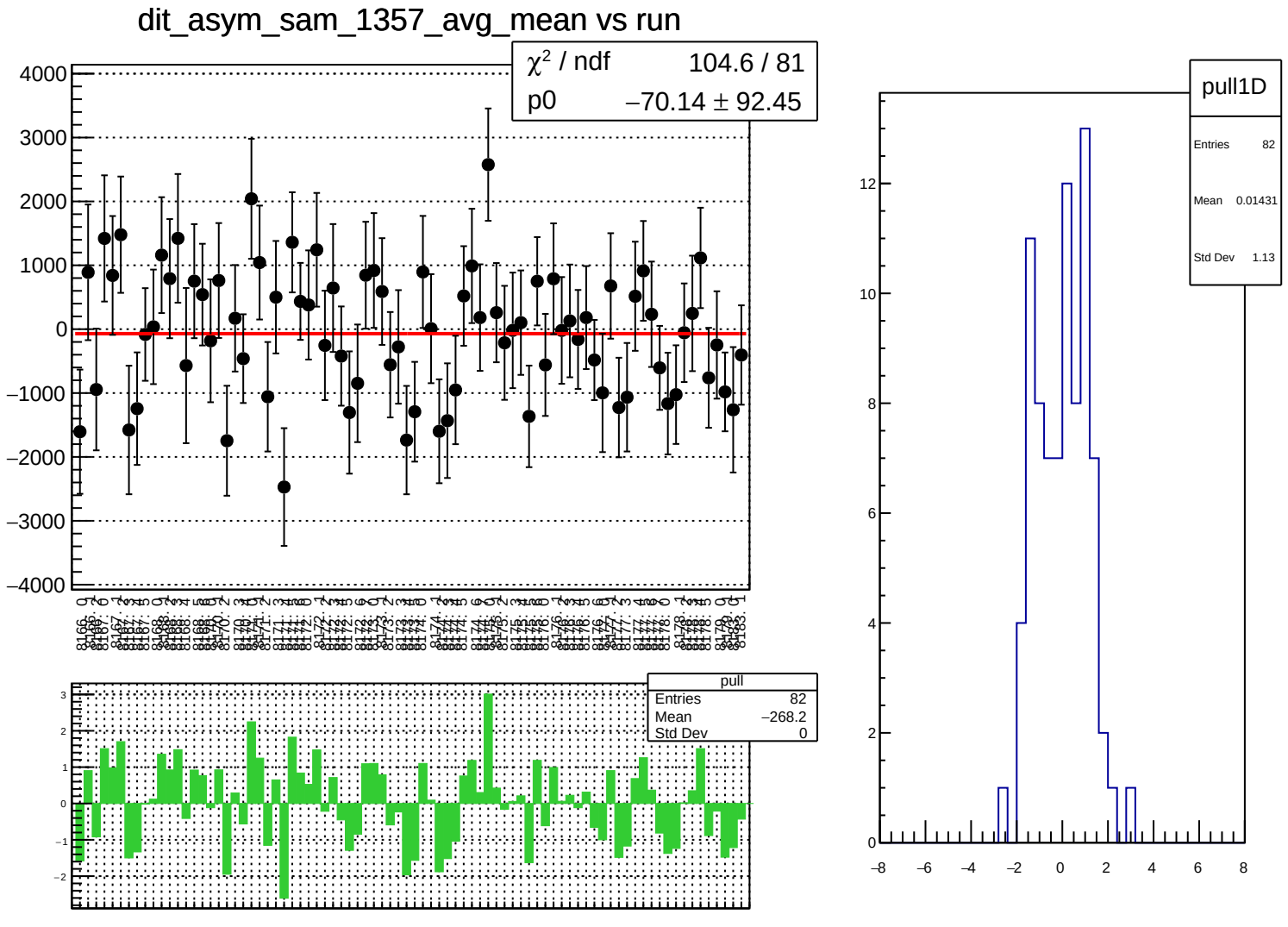

pull1D
Entries 82
Mean 0.0169
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

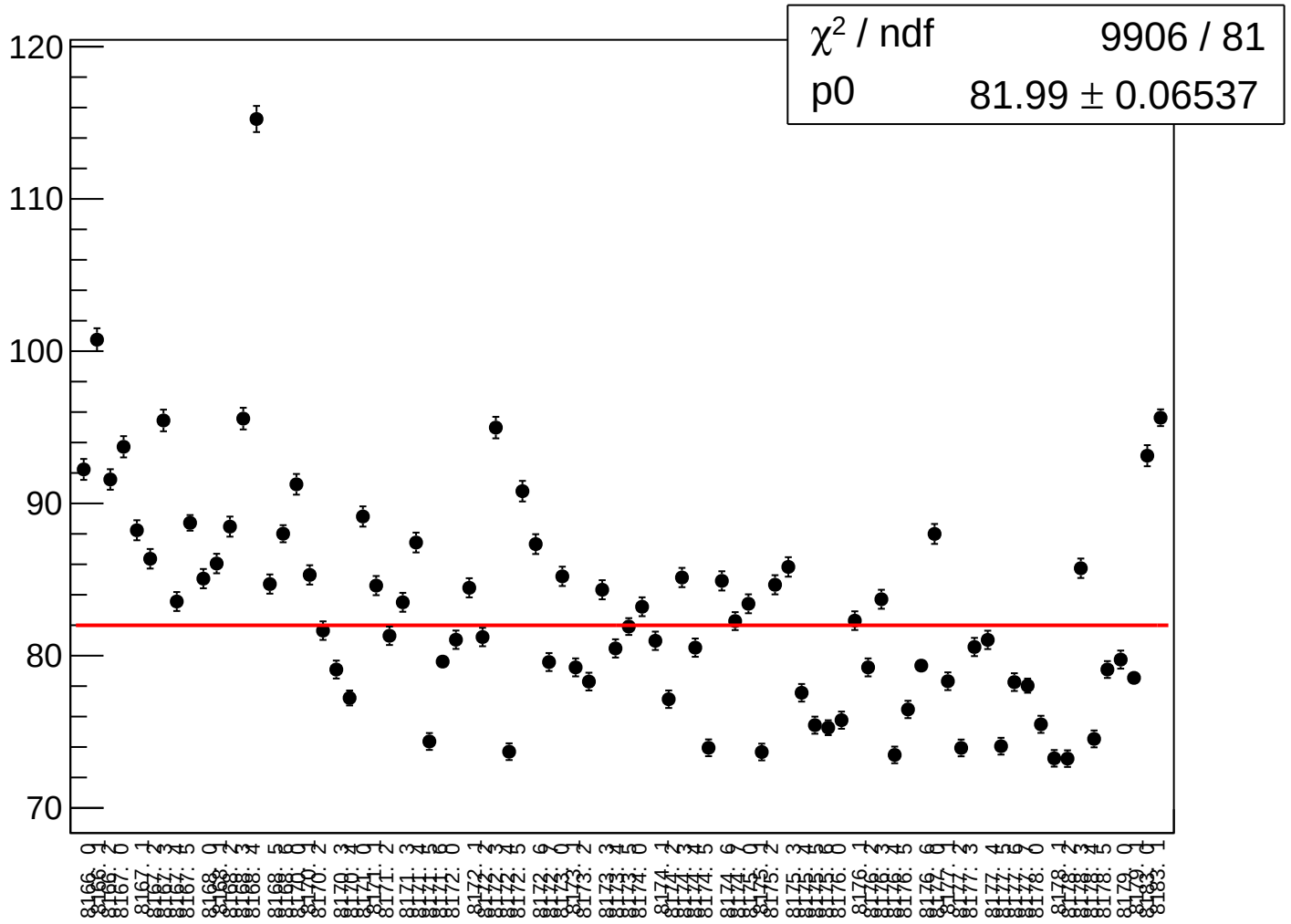

eigen_cor_asym_sam_1357_avg_rms vs run
χ^2 / ndf 9770 / 81
p0 77.78 ± 0.06202
110
100
90
80
70

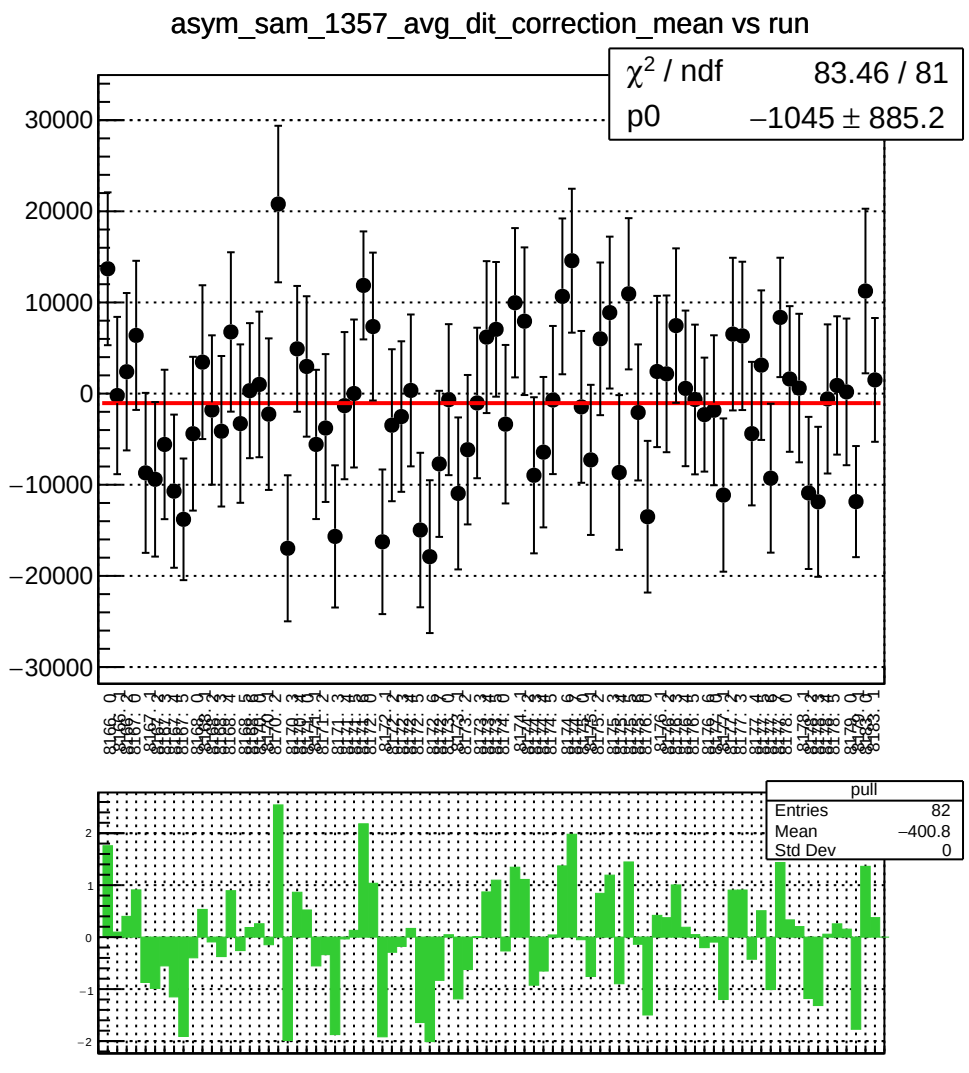

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.8 / 81
p0 −1039 ± 891.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −647.3
Std Dev 0
2
1
0
−1
−2

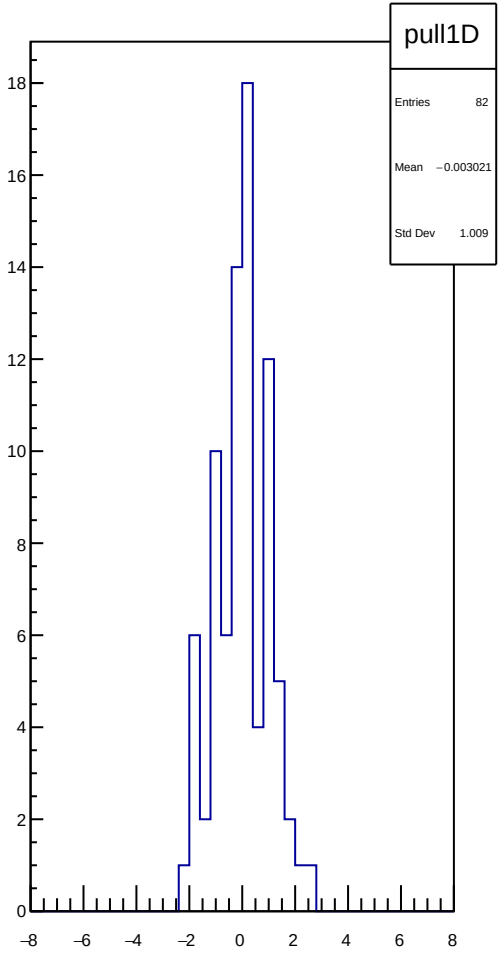

pull1D
Entries 82
Mean −0.001899
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

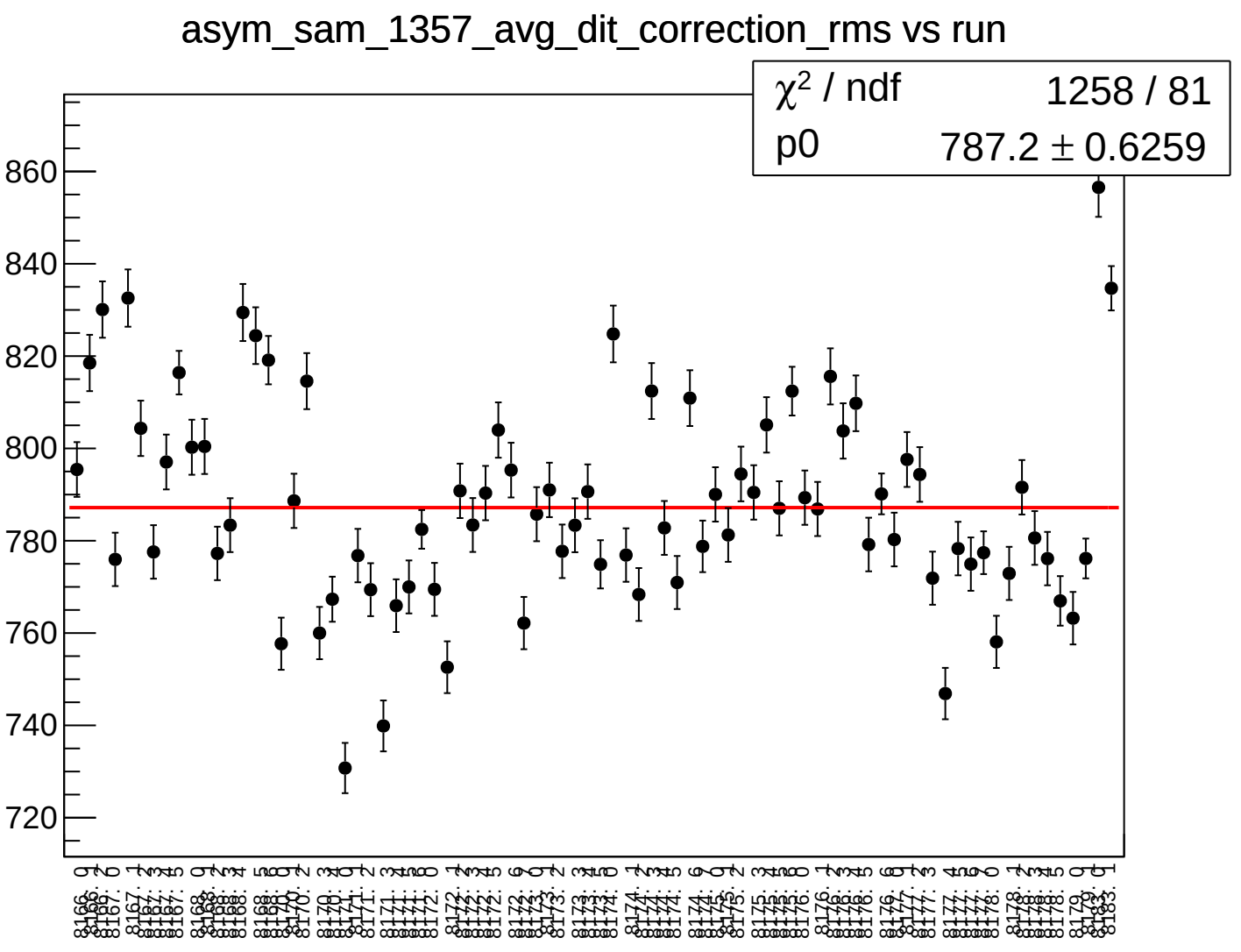

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1668 / 81
p0 792.6 ± 0.6303
900
850
800
750
700

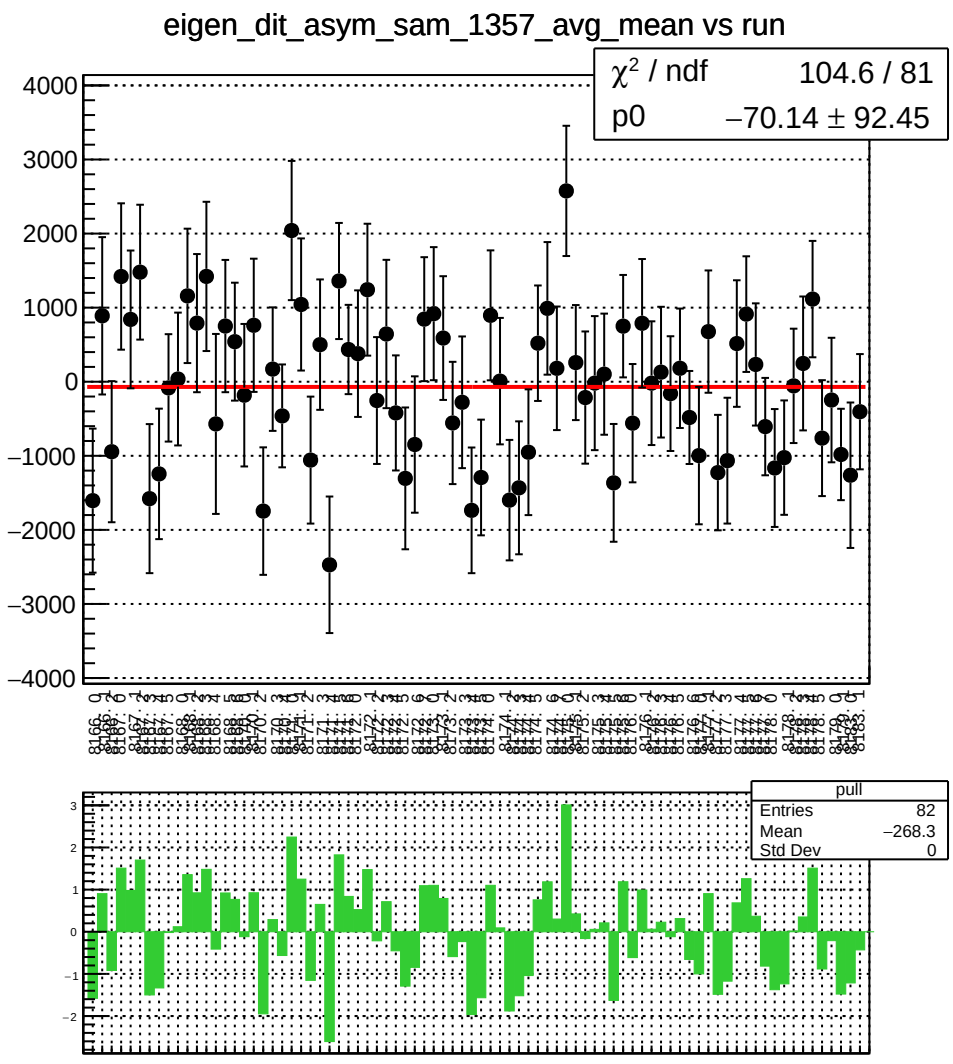

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 104.6 / 81
p0 −70.14 ± 92.45
pull
Entries 82
Mean −268.2
Std Dev 0
pull1D
Entries 82
Mean 0.01431
Std Dev 1.13

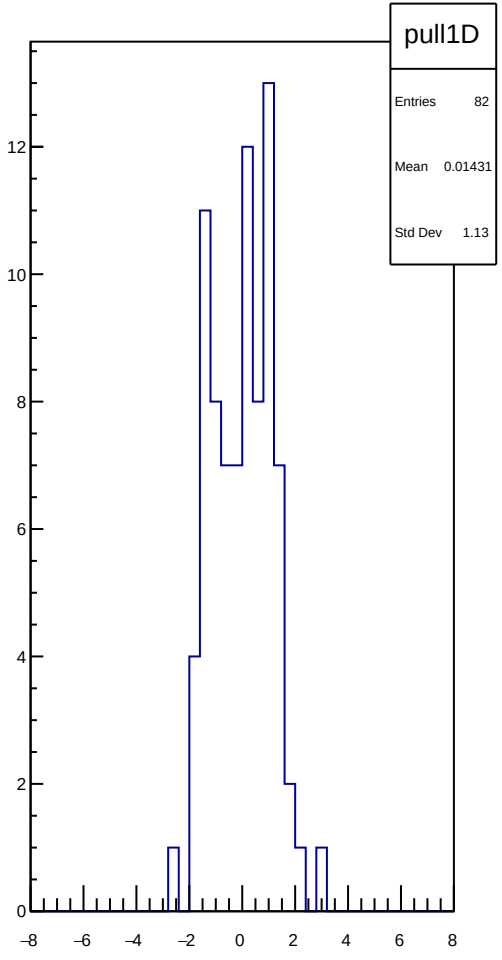

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 9906 / 81
p0 81.99 ± 0.06537
120
110
100
90
80
70

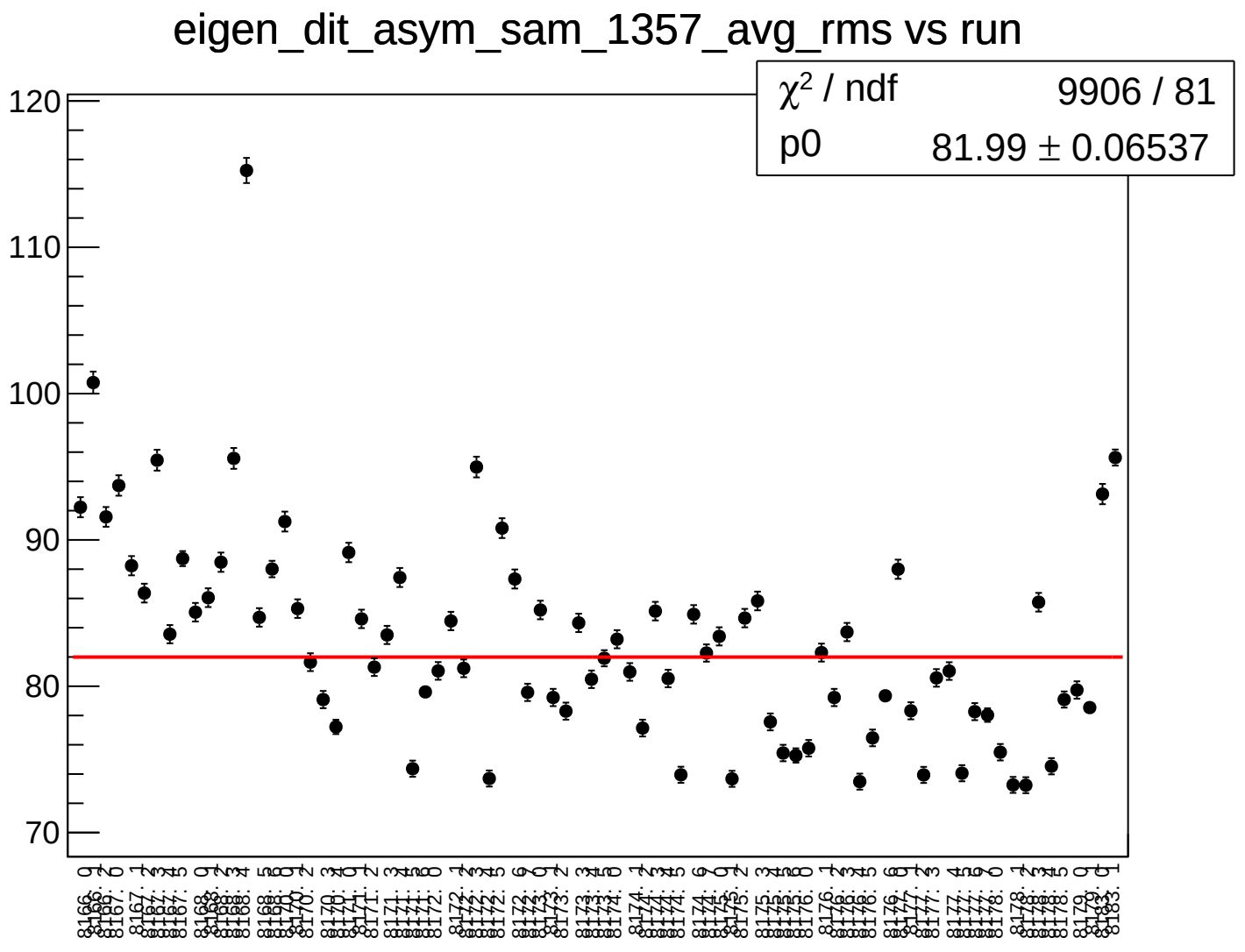

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 83.46 / 81
p0 −1045 ± 885.2
pull
Entries 82
Mean −400.8
Std Dev 0

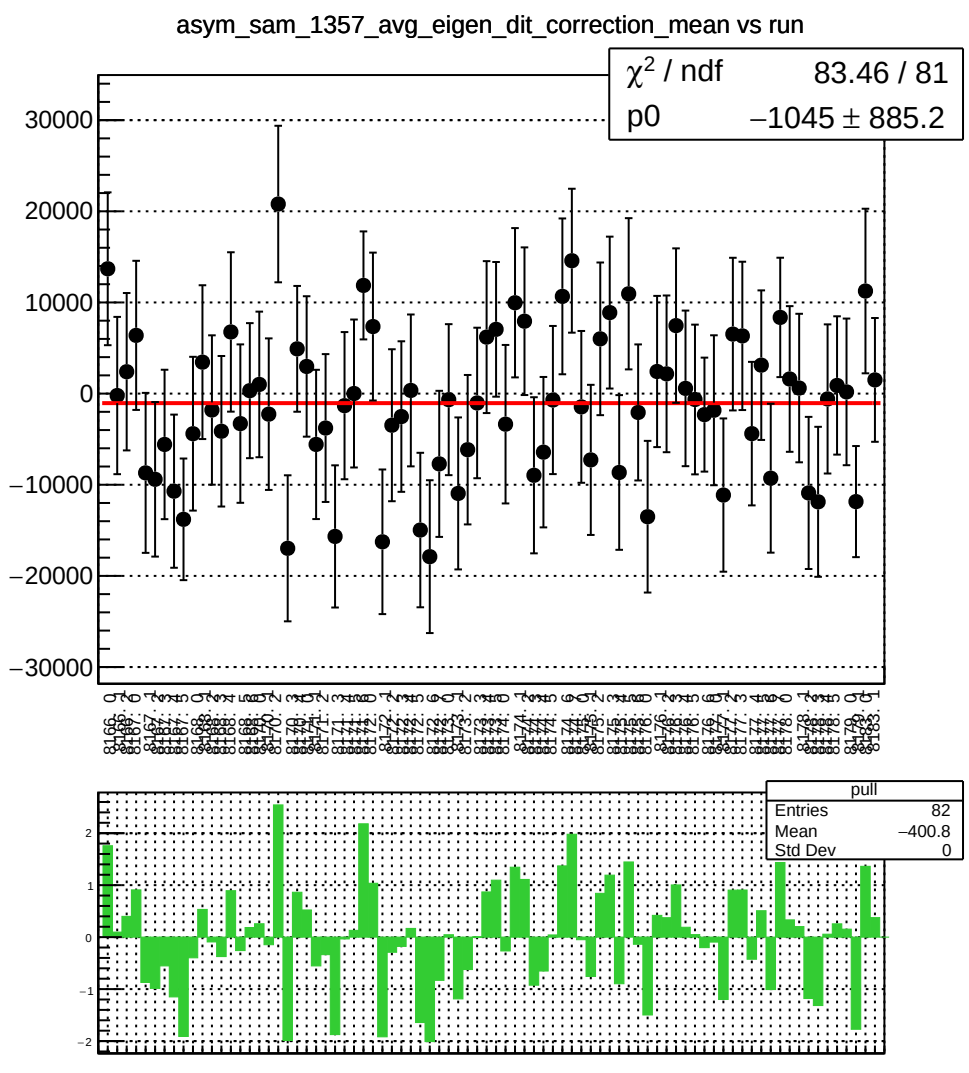

pull1D
Entries 82
Mean −0.003021
Std Dev 1.009

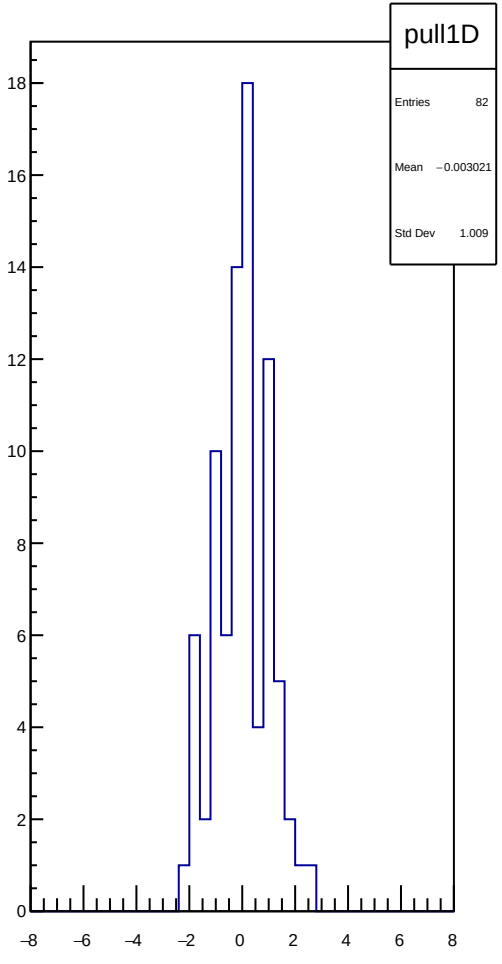

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 1258 / 81
p0 787.2 ± 0.6259
860
840
820
800
780
760
740
720

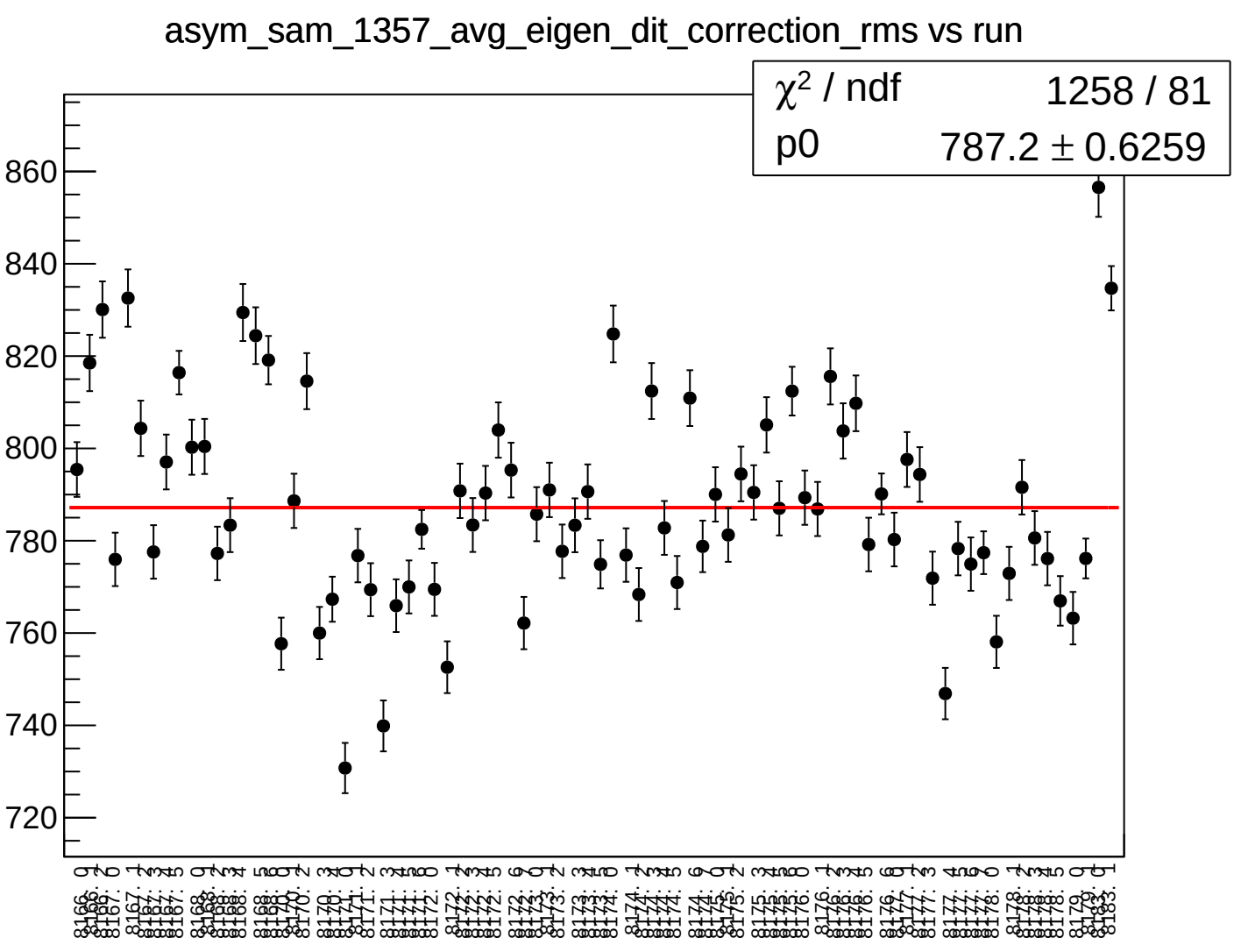

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 104.6 / 81
p0 −70.14 ± 92.45
pull
Entries 82
Mean −268.3
Std Dev 0

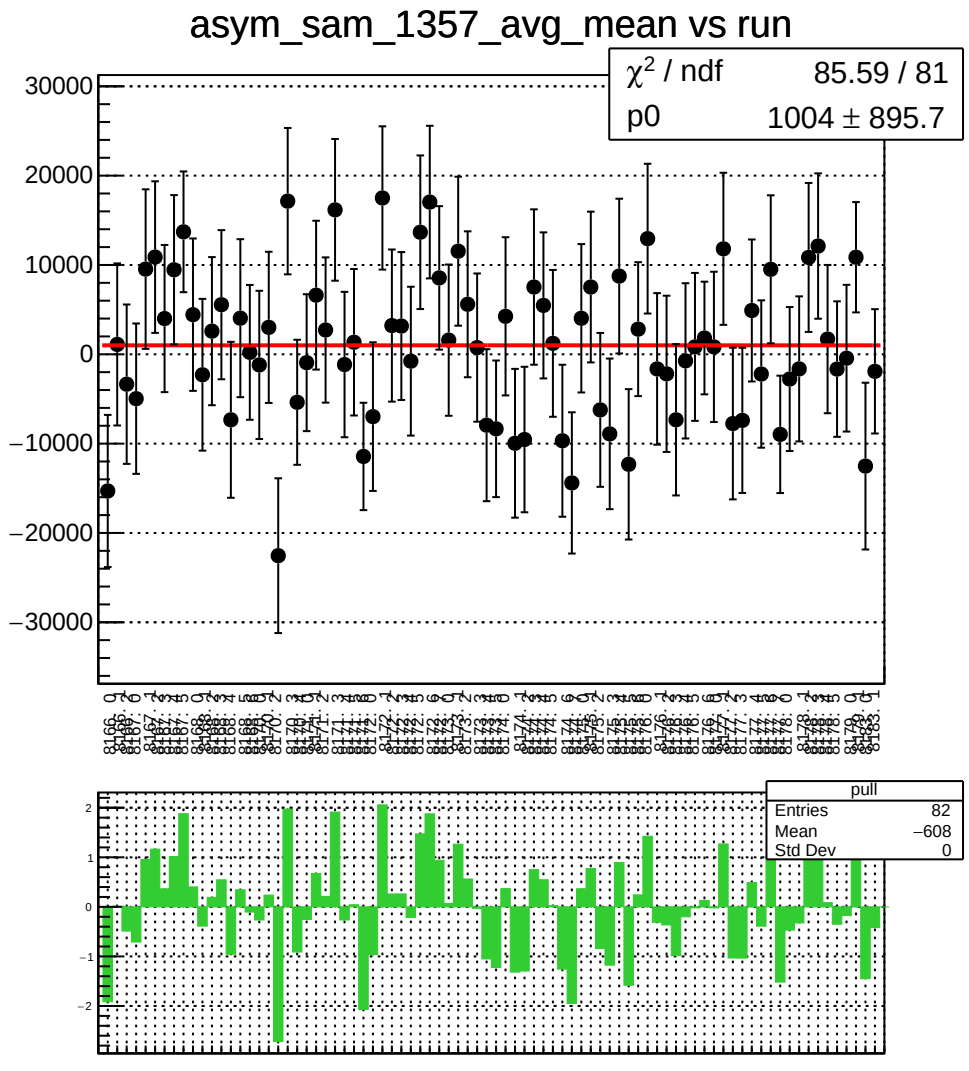

pull1D
Entries 82
Mean 0.01431
Std Dev 1.13

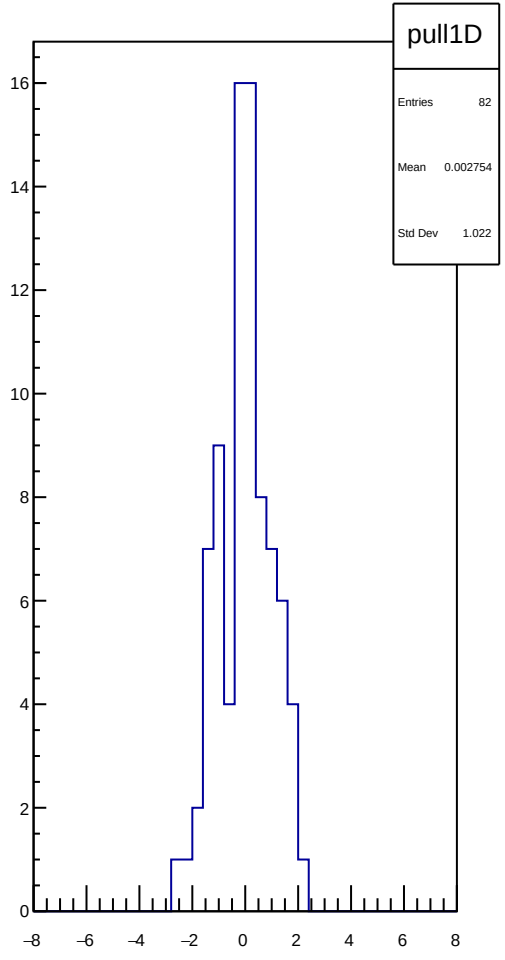

eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 9906 / 81
p0 81.99 ± 0.06537
120
110
100
90
80
70

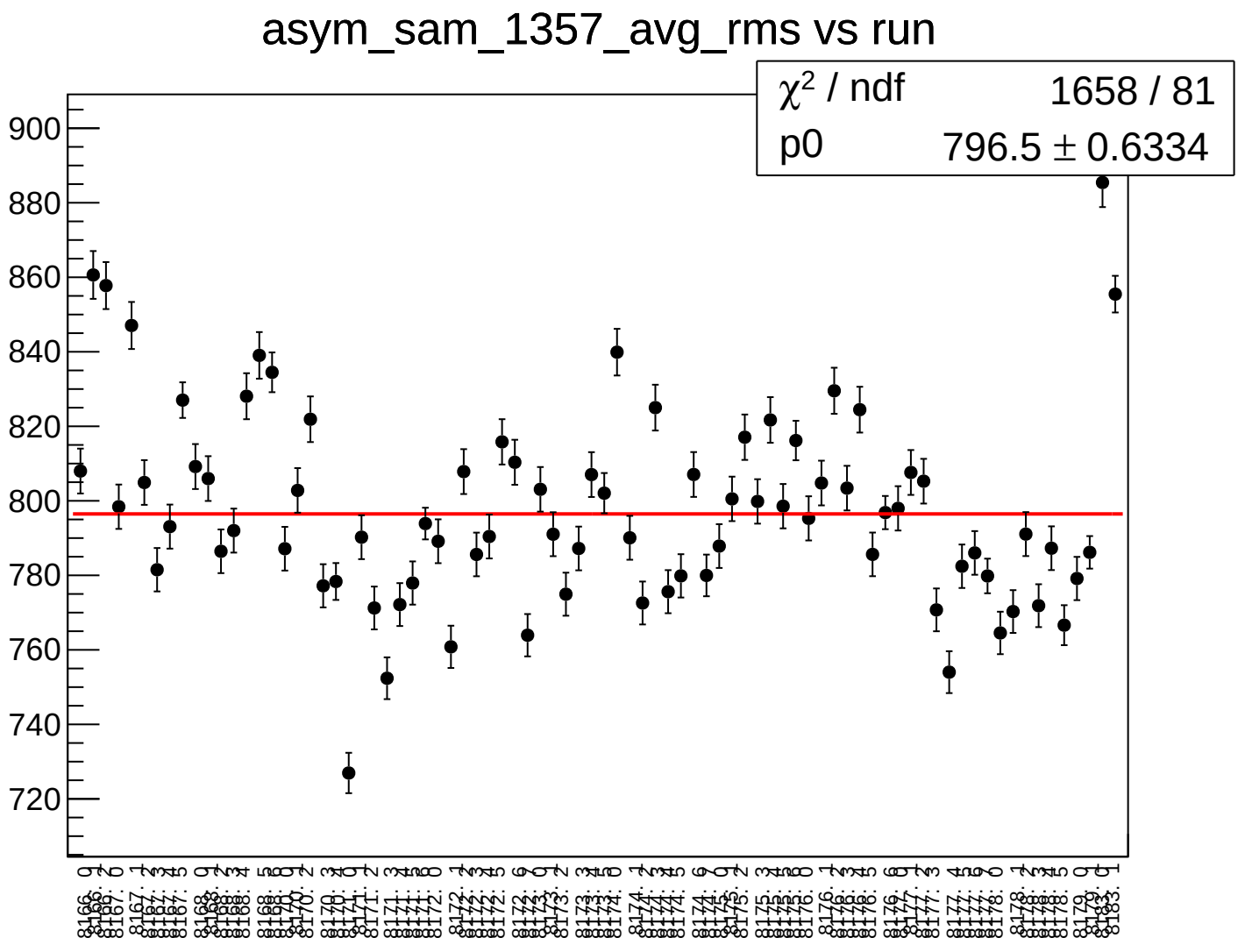

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.46 / 81
p0 −1045 ± 885.2
pull
Entries 82
Mean −400.8
Std Dev 0

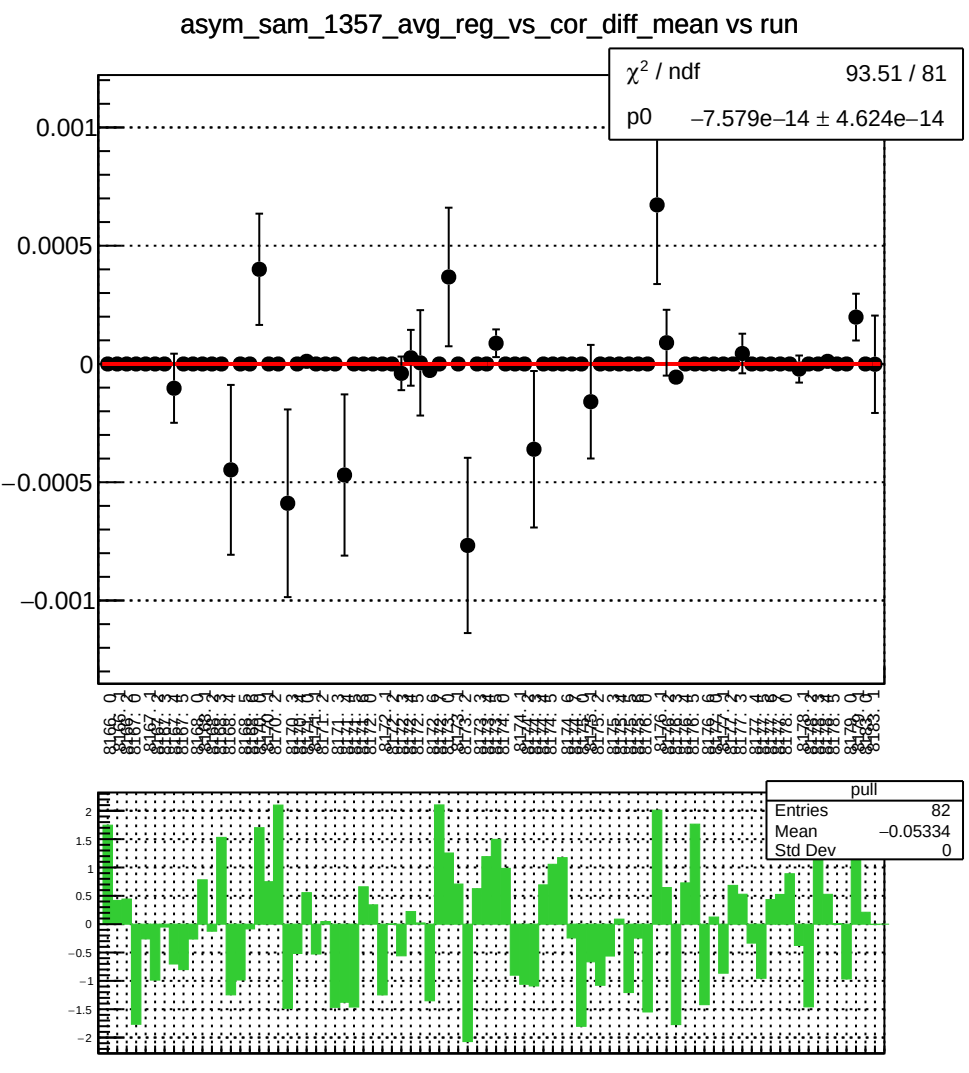

pull1D
Entries 82
Mean −0.003021
Std Dev 1.009

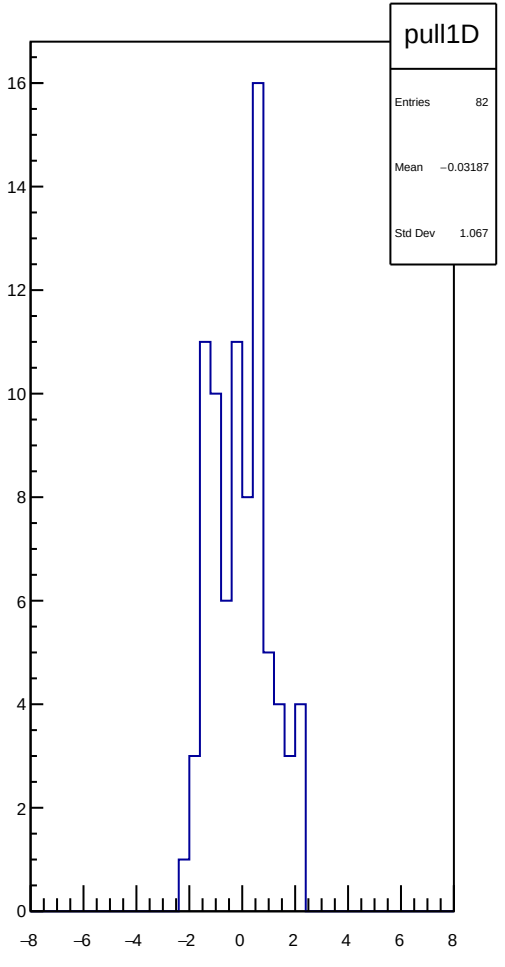

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 1258 / 81
p0 787.2 ± 0.6259
860
840
820
800
780
760
740
720

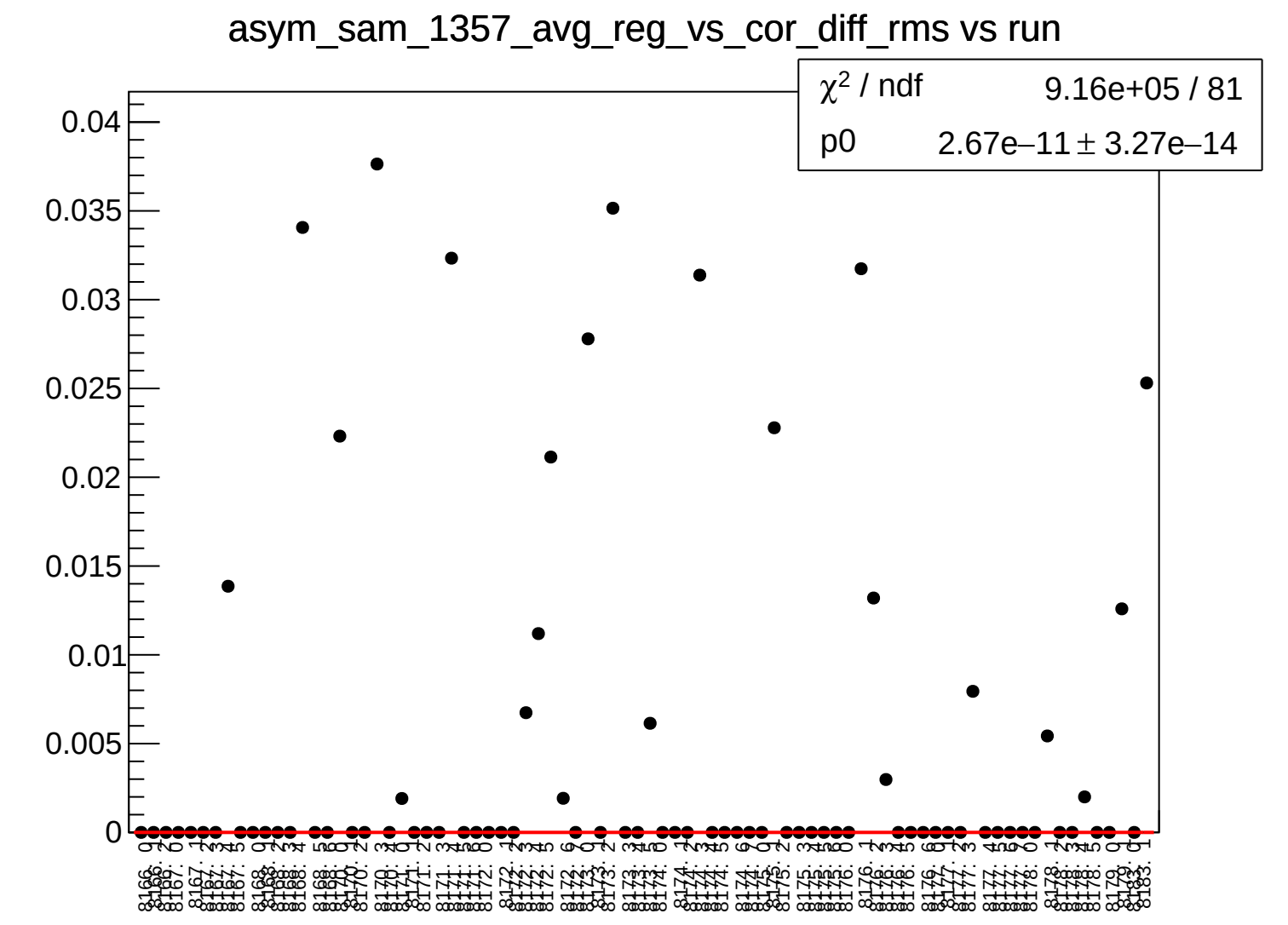

asym_sam_1357_avg_mean vs run
χ² / ndf 85.59 / 81
p0 1004 ± 895.7
pull
Entries 82
Mean −608
Std Dev 0

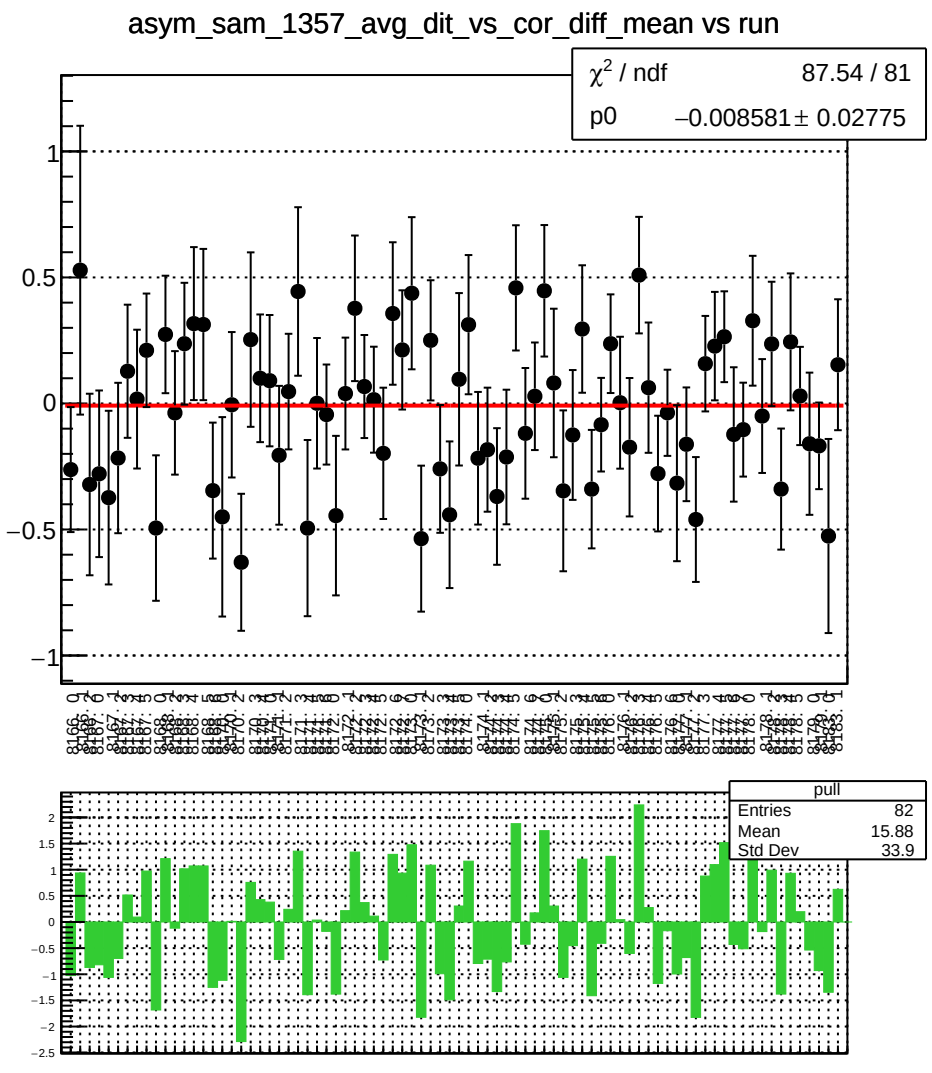

pull1D
Entries 82
Mean 0.002754
Std Dev 1.022

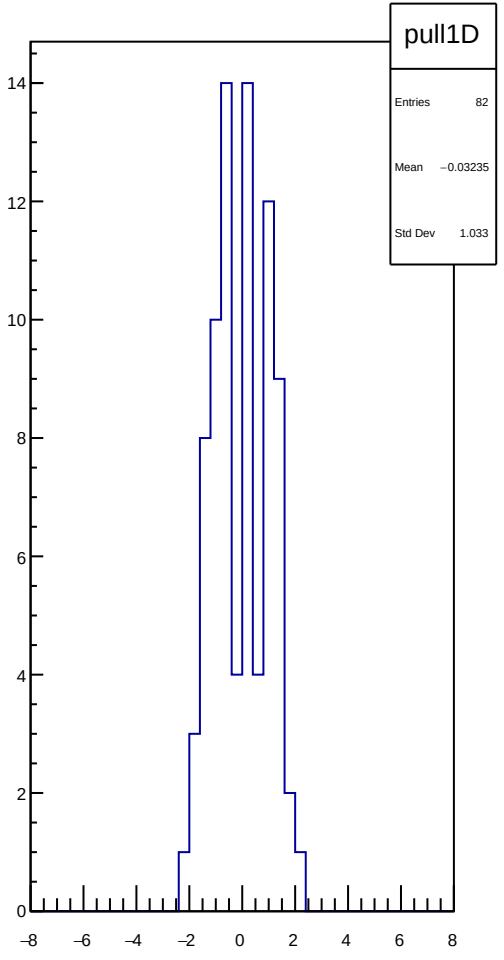

asym_sam_1357_avg_rms vs run
χ² / ndf 1658 / 81
p0 796.5 ± 0.6334
900
880
860
840
820
800
780
760
740
720

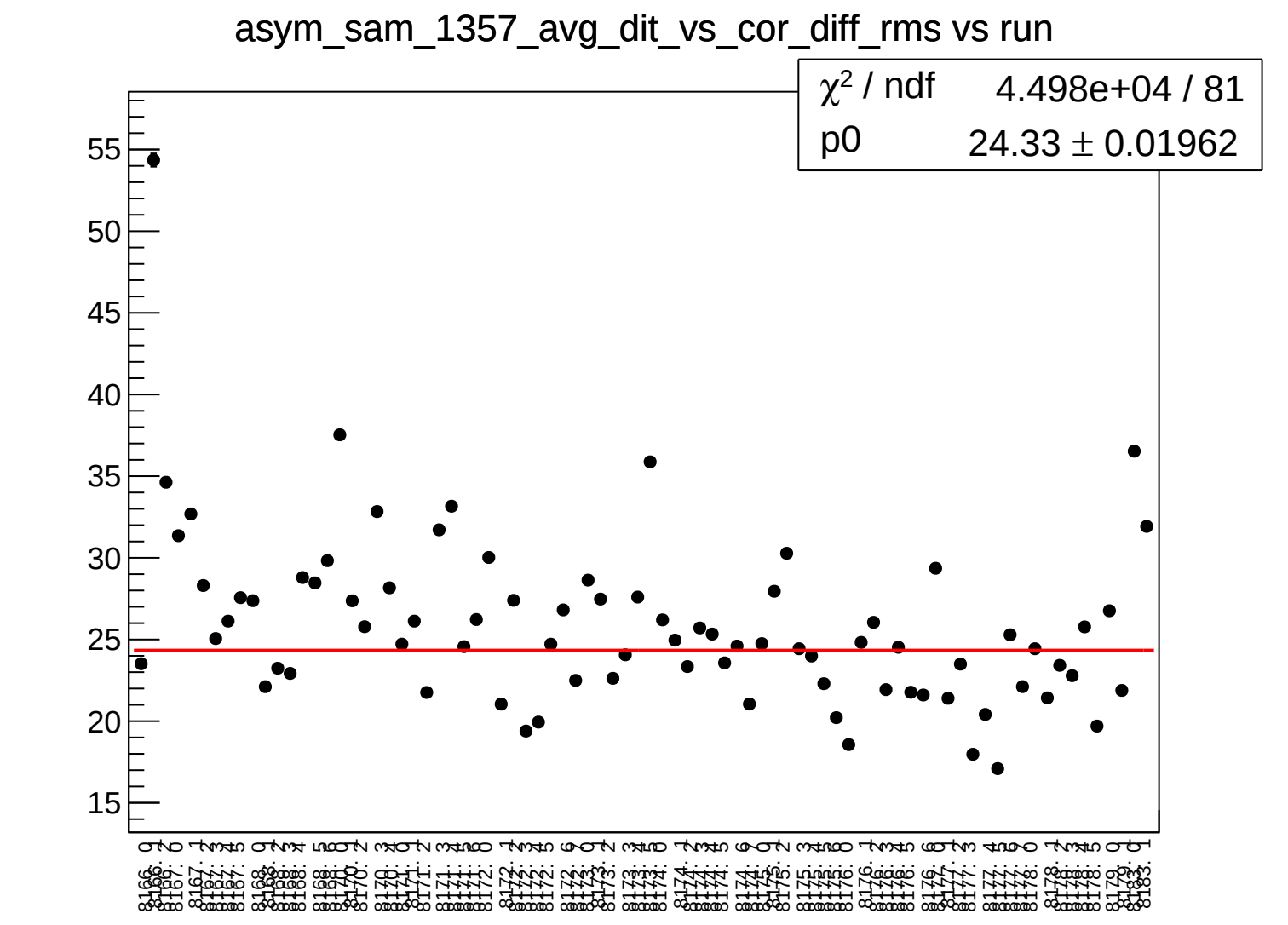

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 93.51 / 81
p0 −7.579e−14 ± 4.624e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 82
Mean −0.05334
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

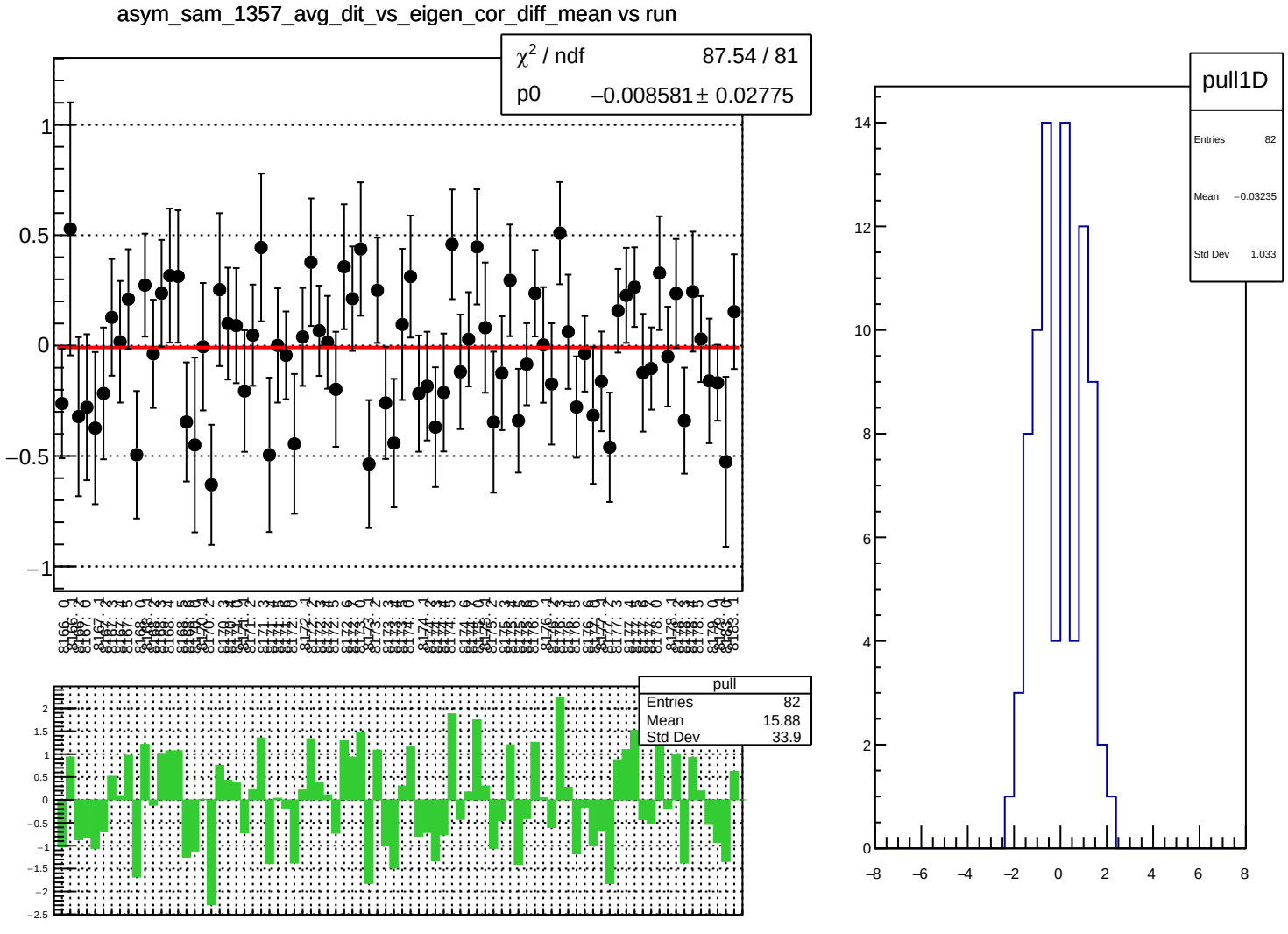

pull1D
Entries 82
Mean −0.03187
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

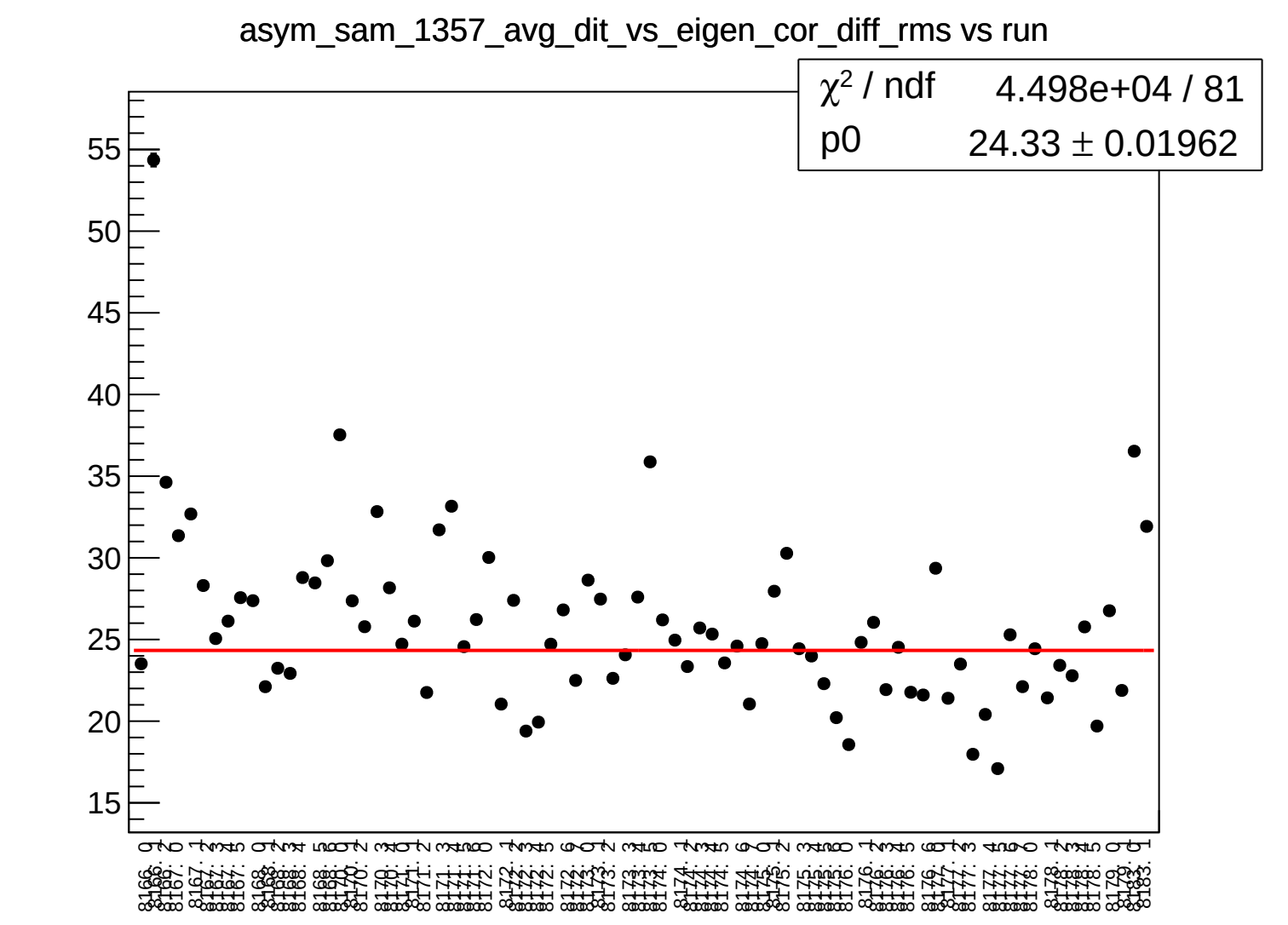

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.16e+05 / 81
p0 2.67e−11 ± 3.27e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

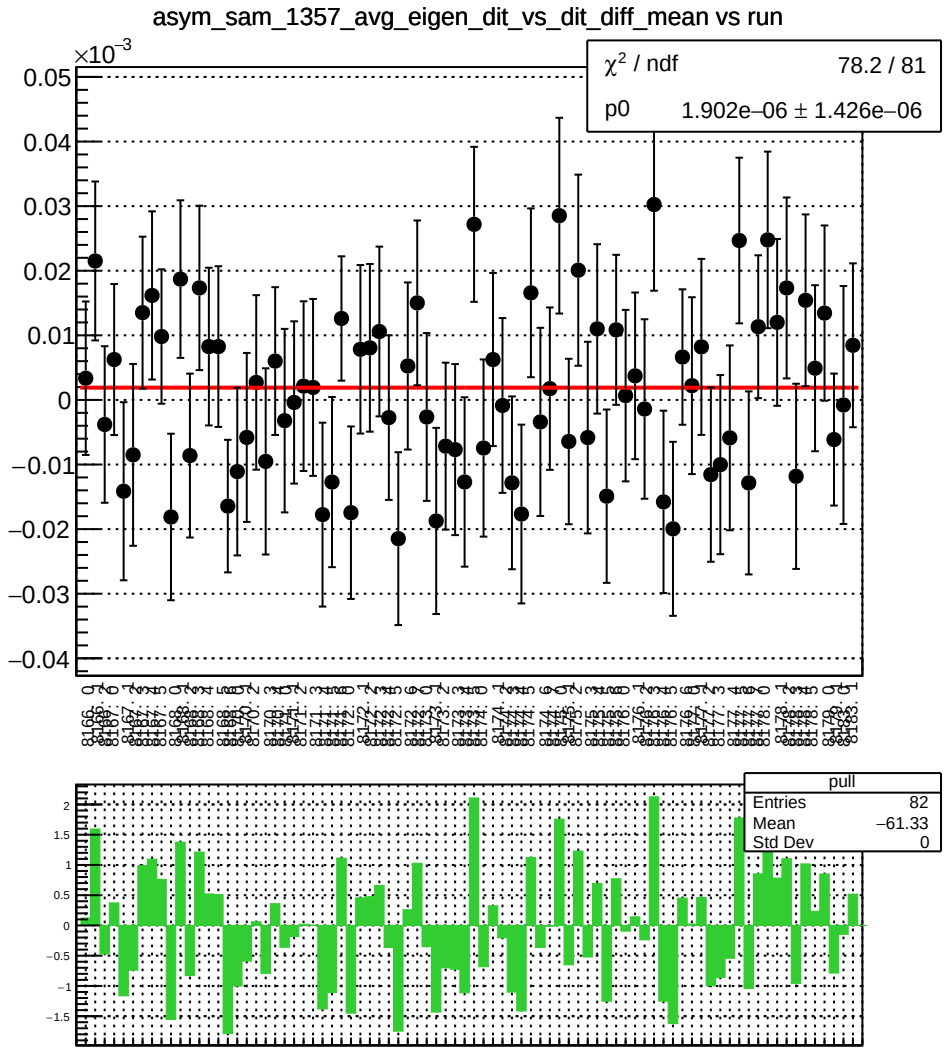

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 87.54 / 81
p0 −0.008581 ± 0.02775
pull
Entries 82
Mean 15.88
Std Dev 33.9

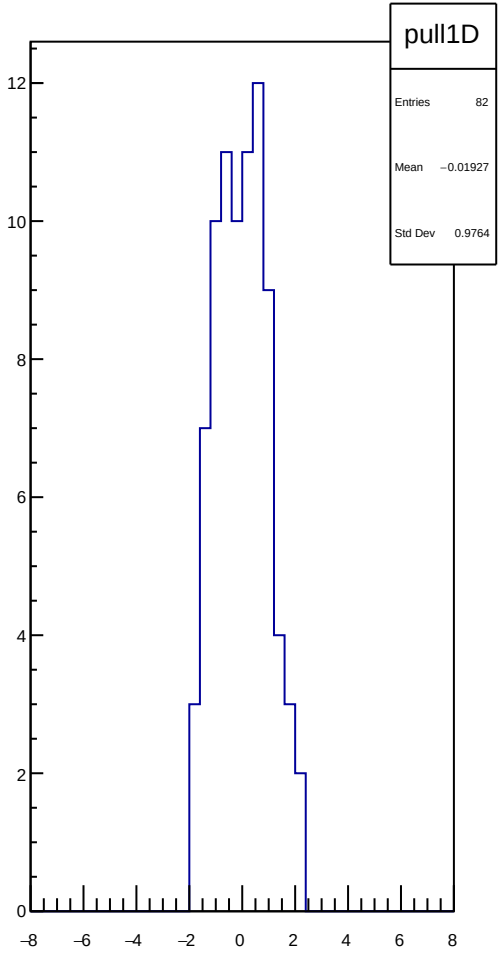

pull1D
Entries 82
Mean −0.03235
Std Dev 1.033

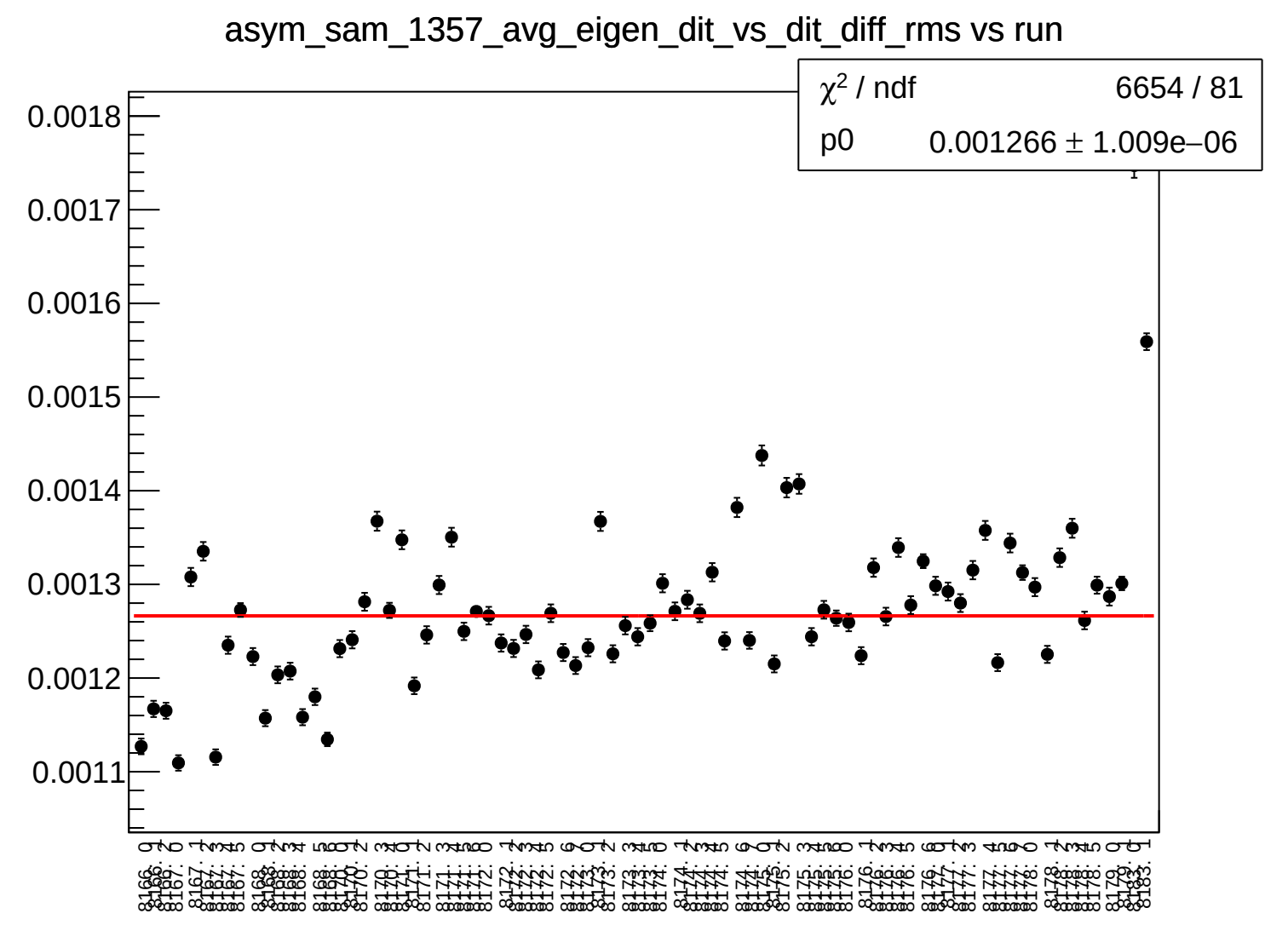

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.498e+04 / 81
p0 24.33 ± 0.01962
55
50
45
40
35
30
25
20
15

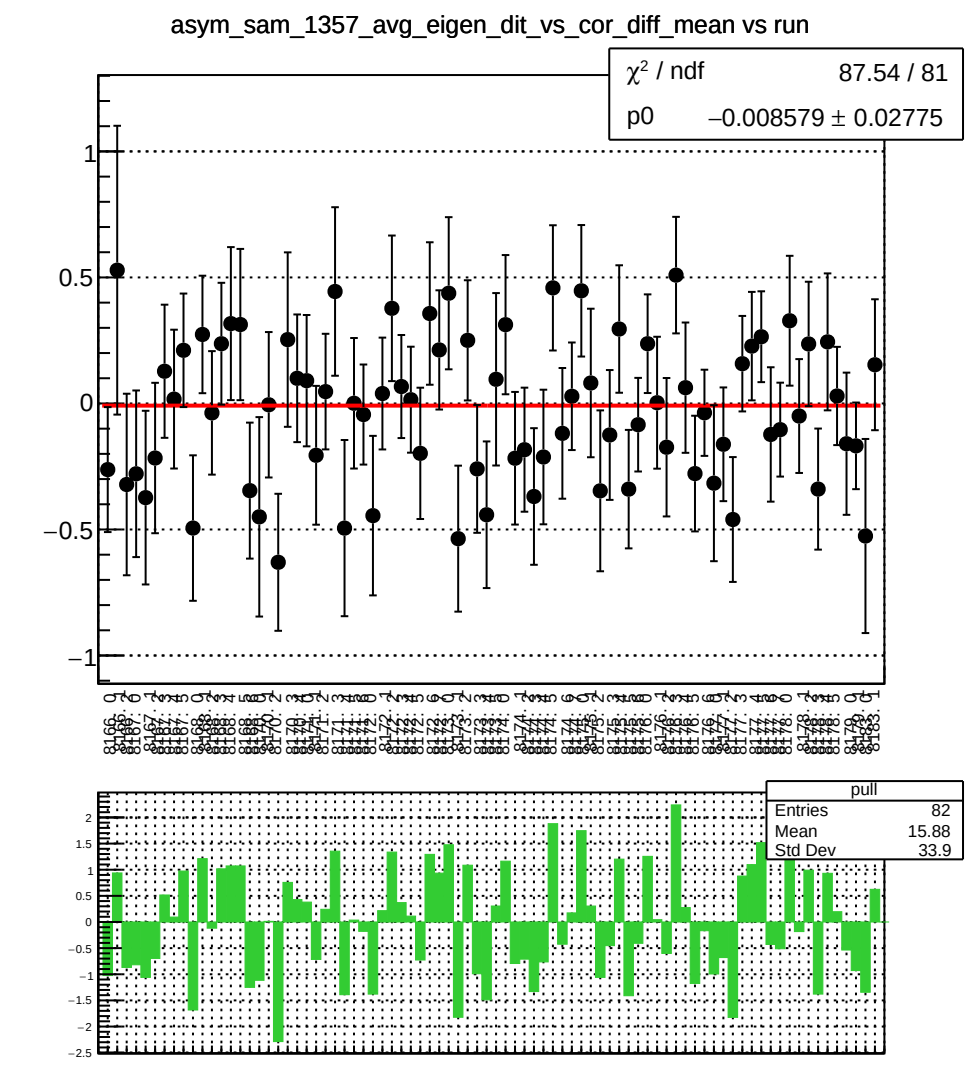

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.54 / 81
p0 −0.008581 ± 0.02775
pull
Entries 82
Mean 15.88
Std Dev 33.9
pull1D
Entries 82
Mean −0.03235
Std Dev 1.033

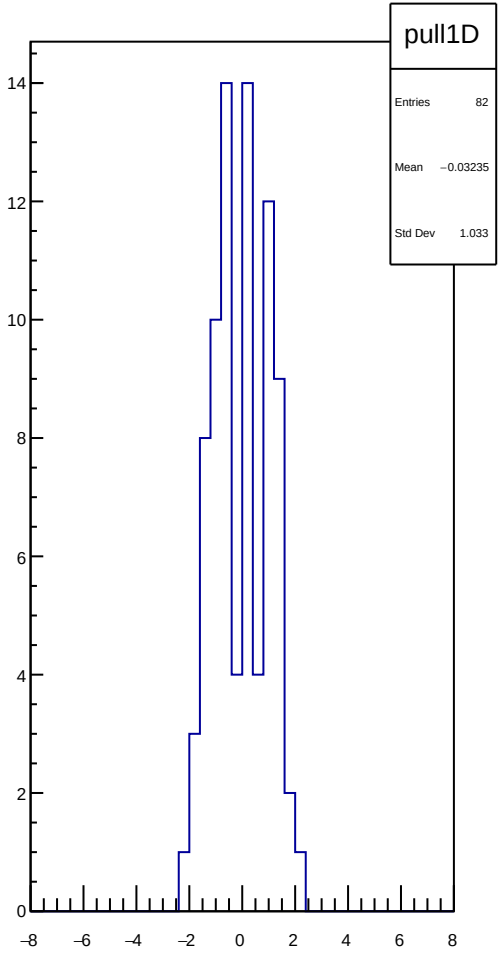

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.498e+04 / 81
p0 24.33 ± 0.01962
55
50
45
40
35
30
25
20
15

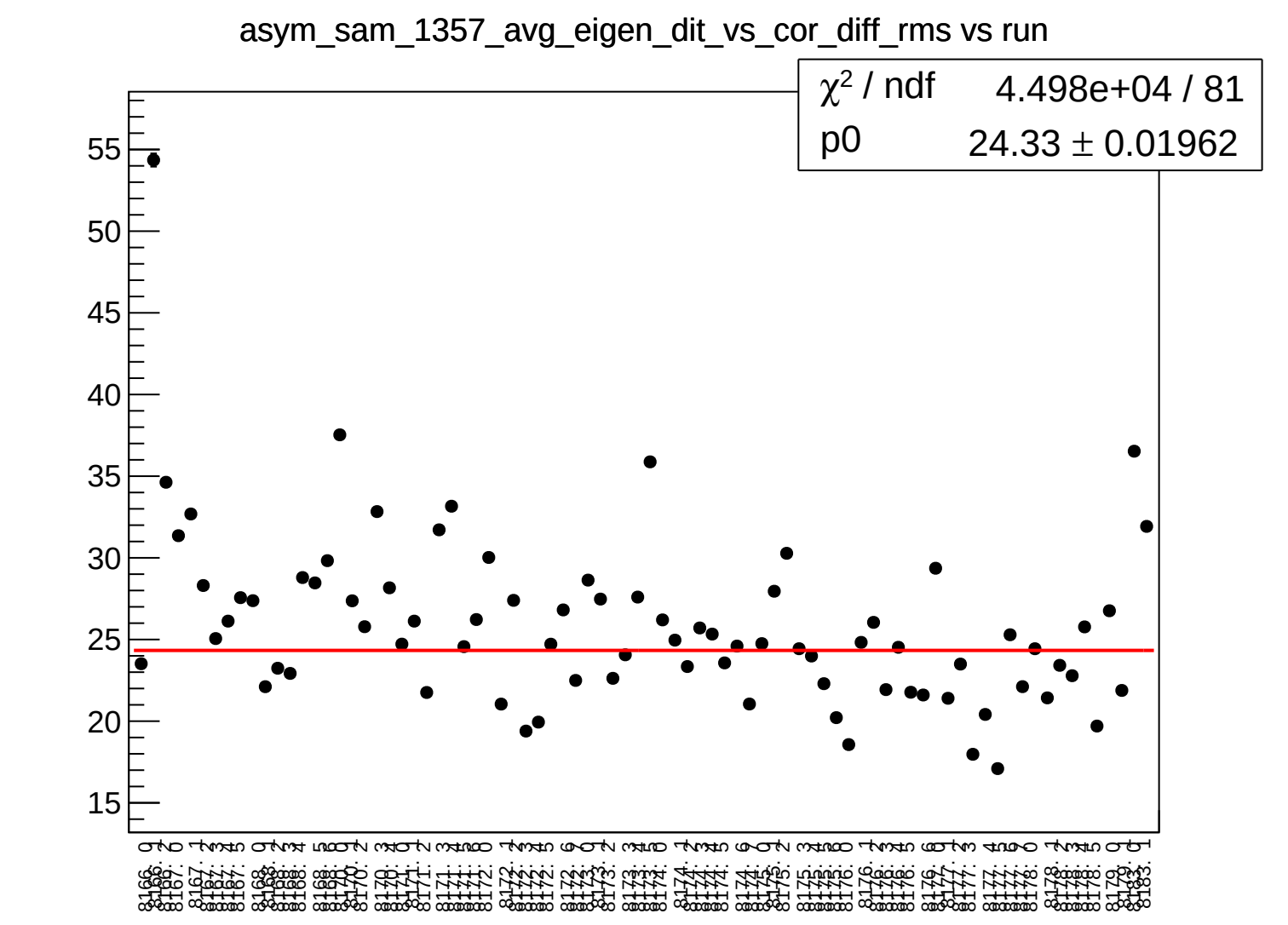

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.2 / 81
p0 1.902e−06 ± 1.426e−06
pull
Entries 82
Mean −61.33
Std Dev 0

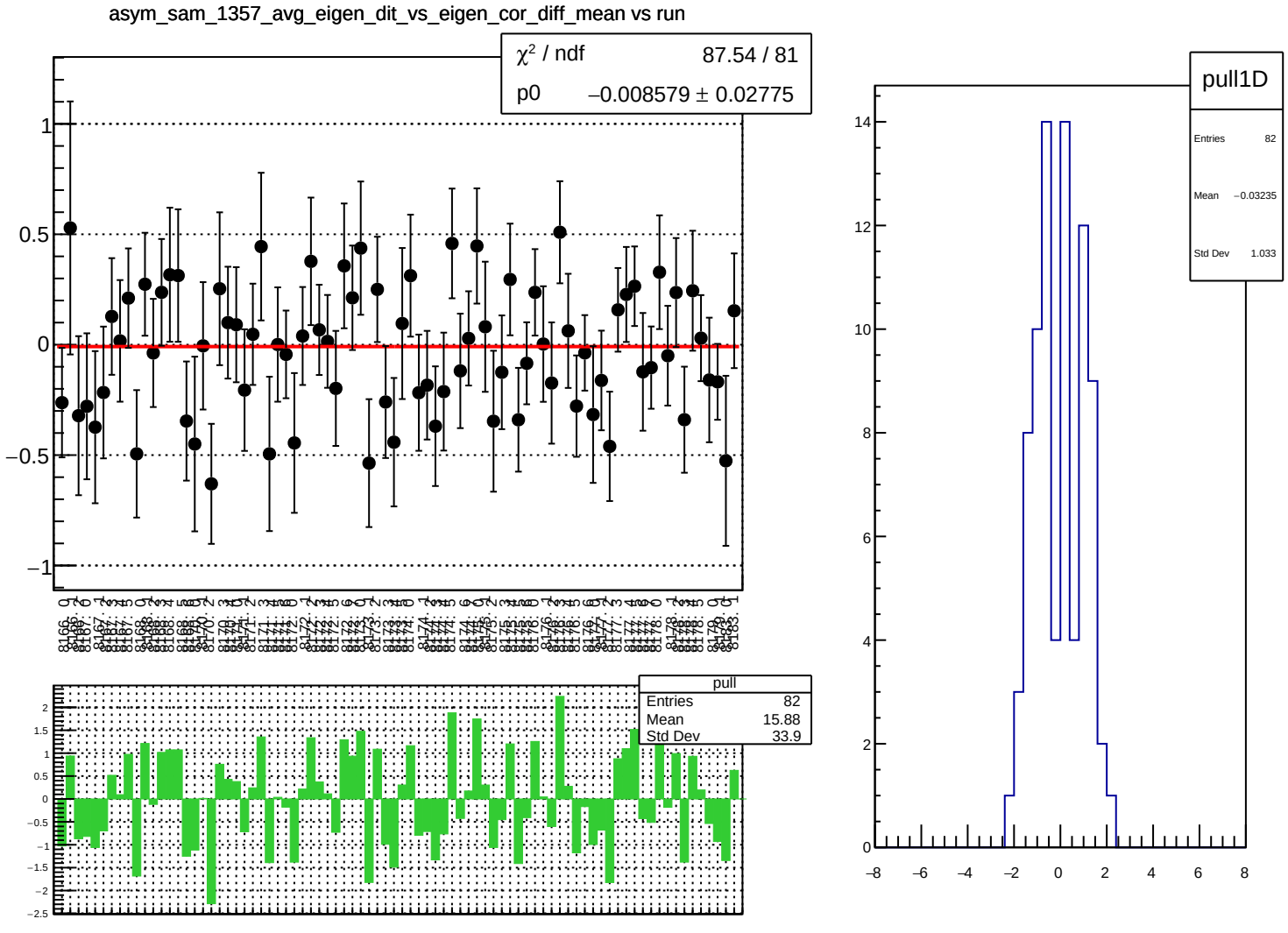

pull1D
Entries 82
Mean −0.01927
Std Dev 0.9764

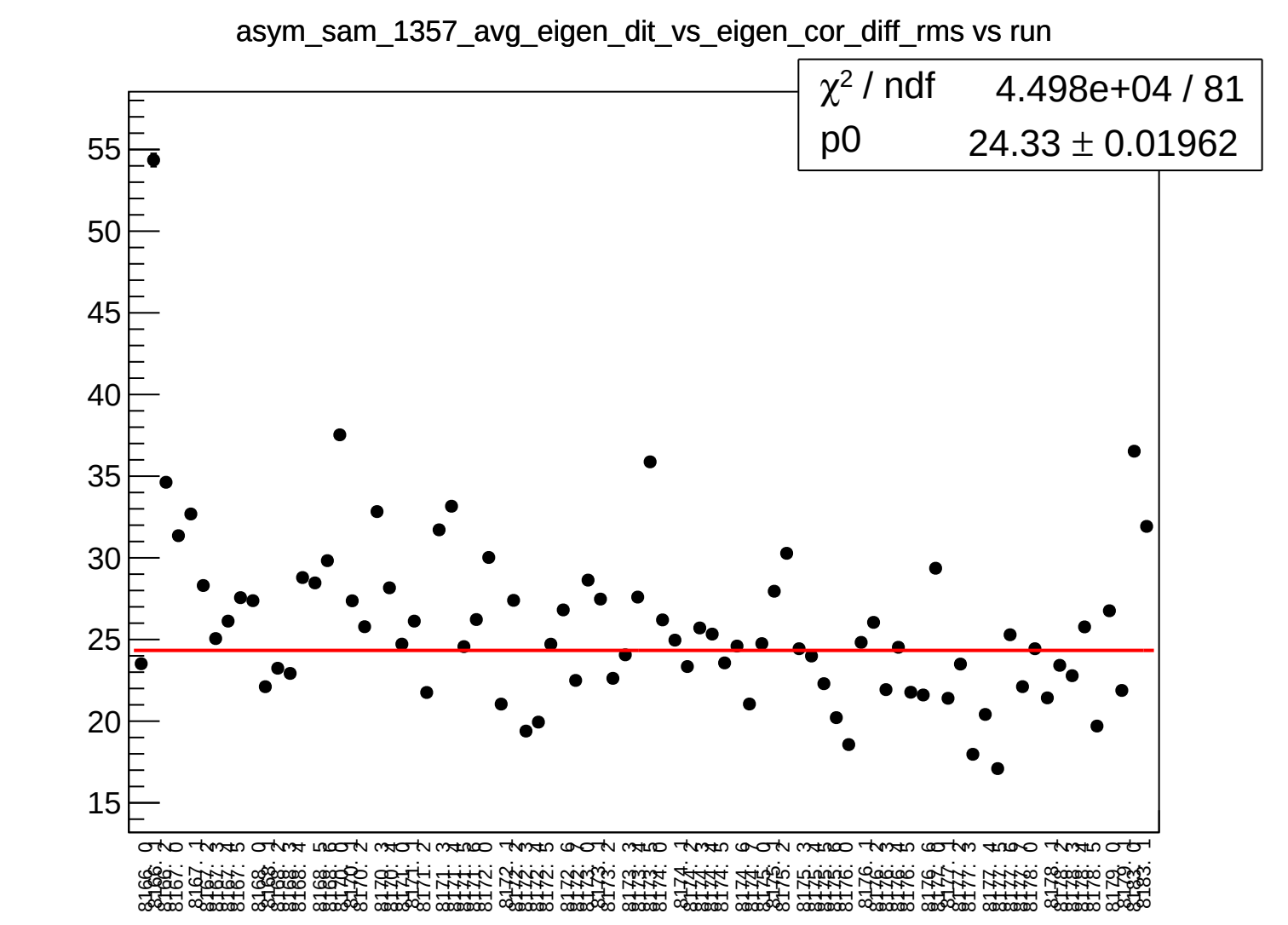

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6654 / 81
p0 0.001266 ± 1.009e−06
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011

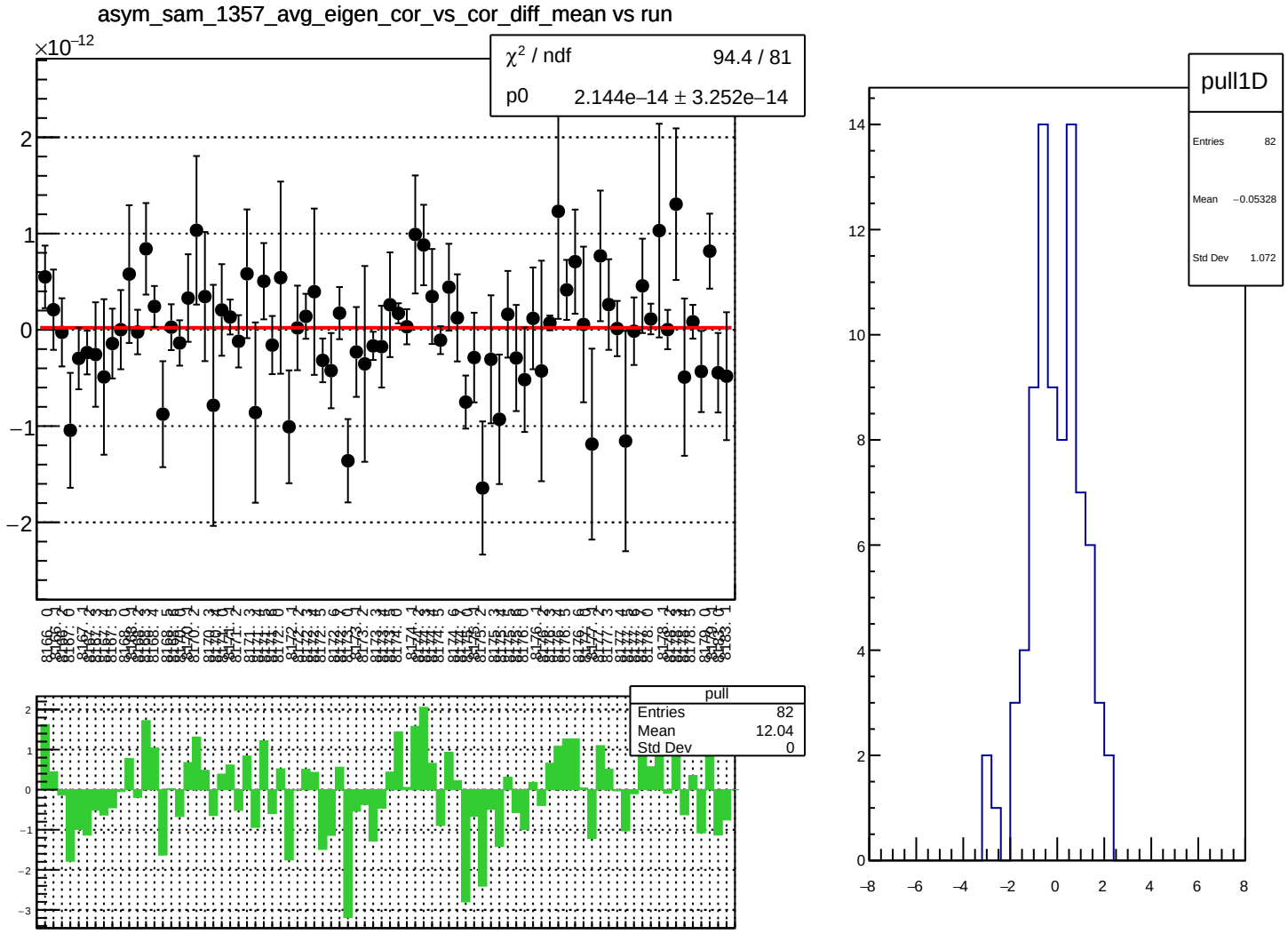

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 87.54 / 81
p0 −0.008579 ± 0.02775
pull
Entries 82
Mean 15.88
Std Dev 33.9

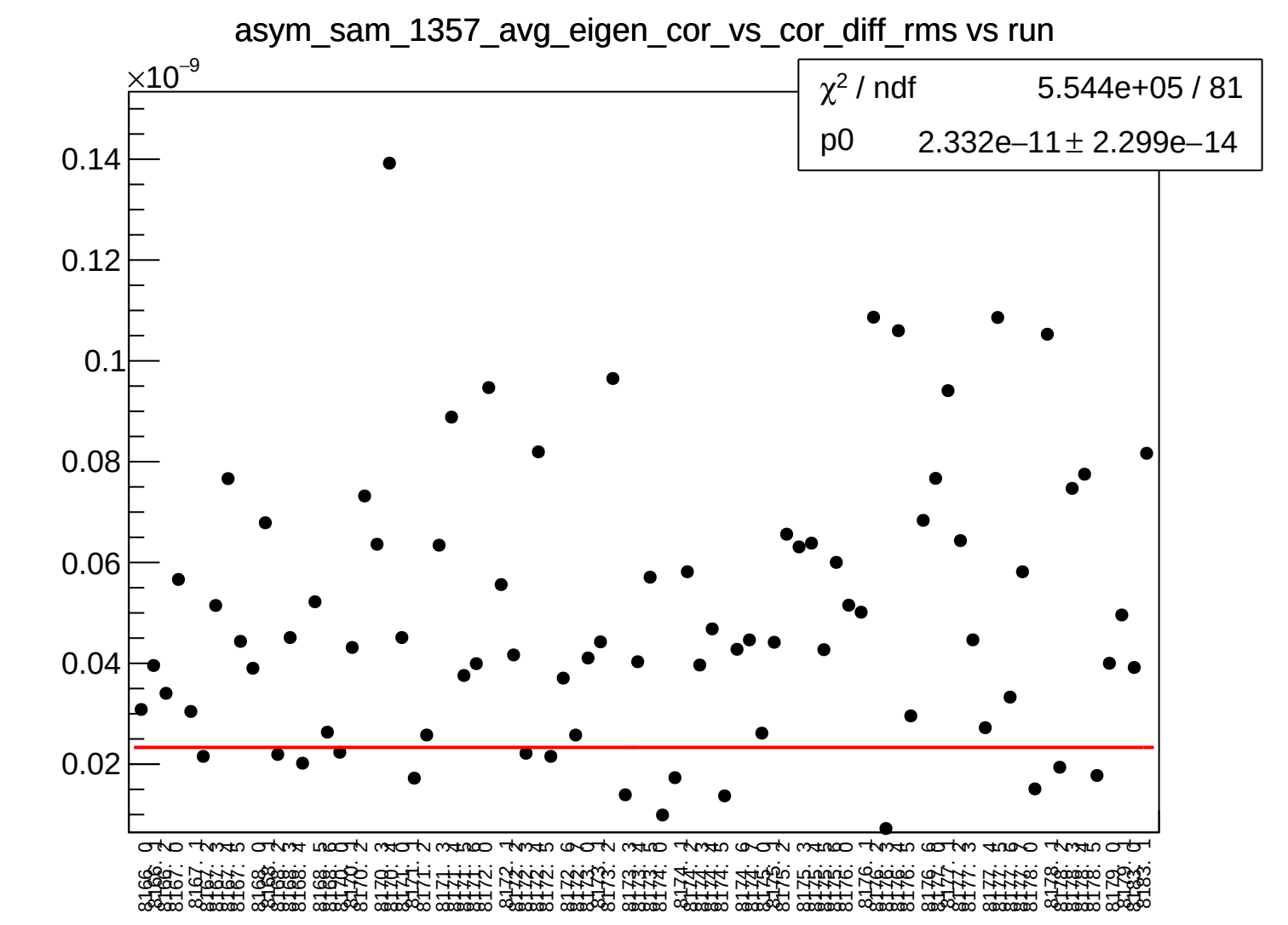

pull1D
Entries 82
Mean −0.03235
Std Dev 1.033

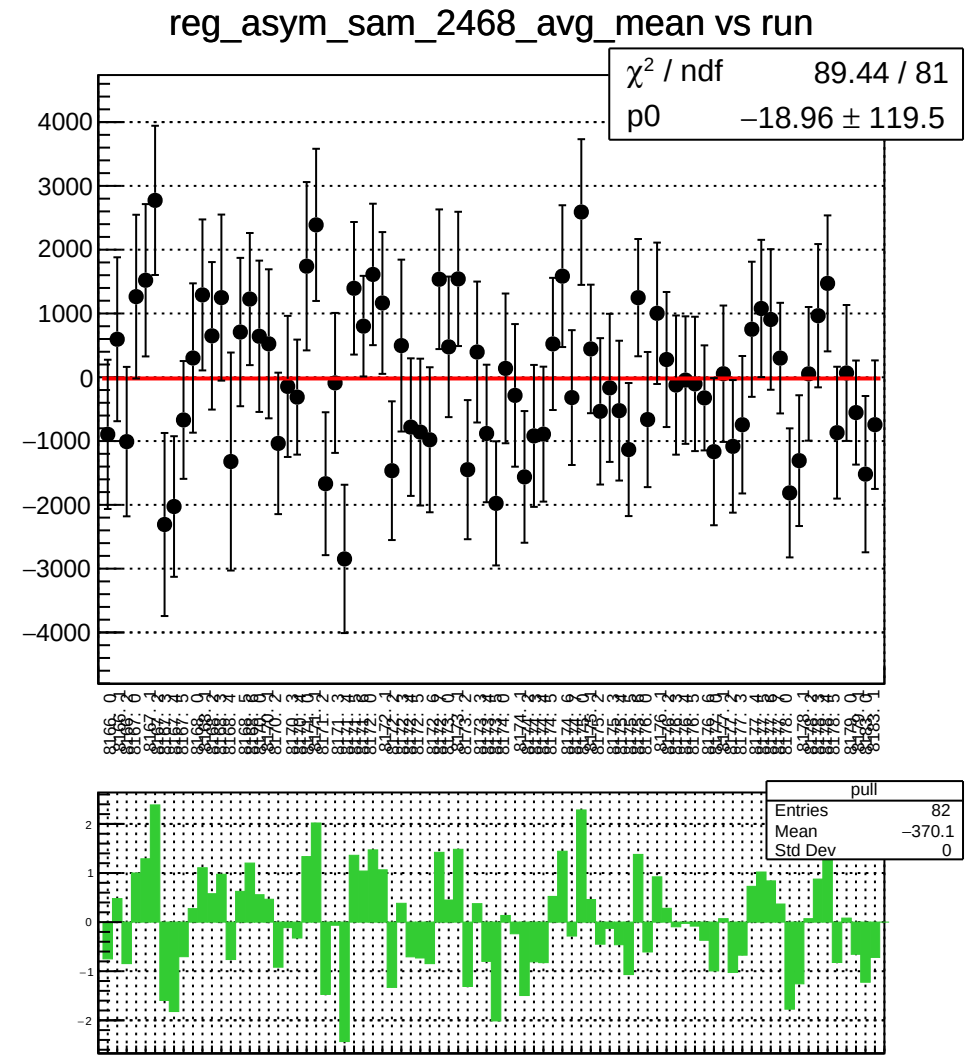

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.498e+04 / 81
p0 24.33 ± 0.01962
55
50
45
40
35
30
25
20
15

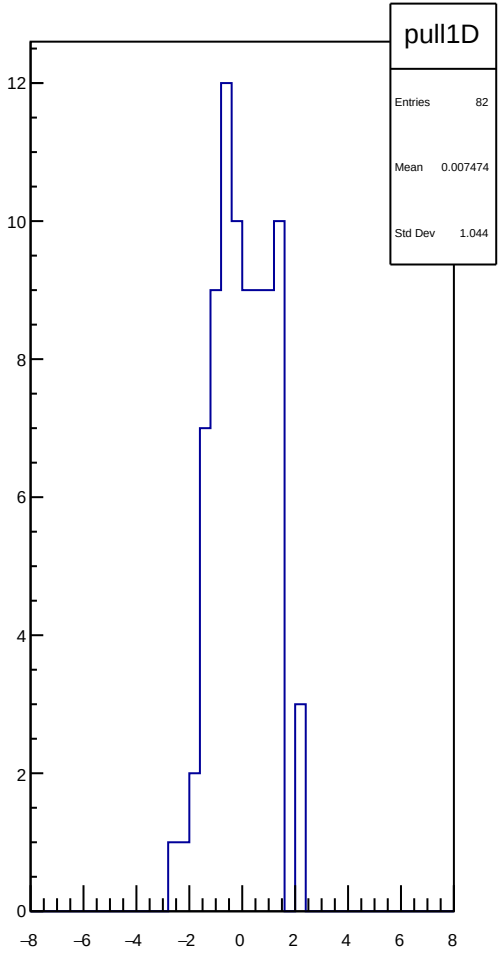

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 87.54 / 81
p0 −0.008579 ± 0.02775
pull
Entries 82
Mean 15.88
Std Dev 33.9
pull1D
Entries 82
Mean −0.03235
Std Dev 1.033

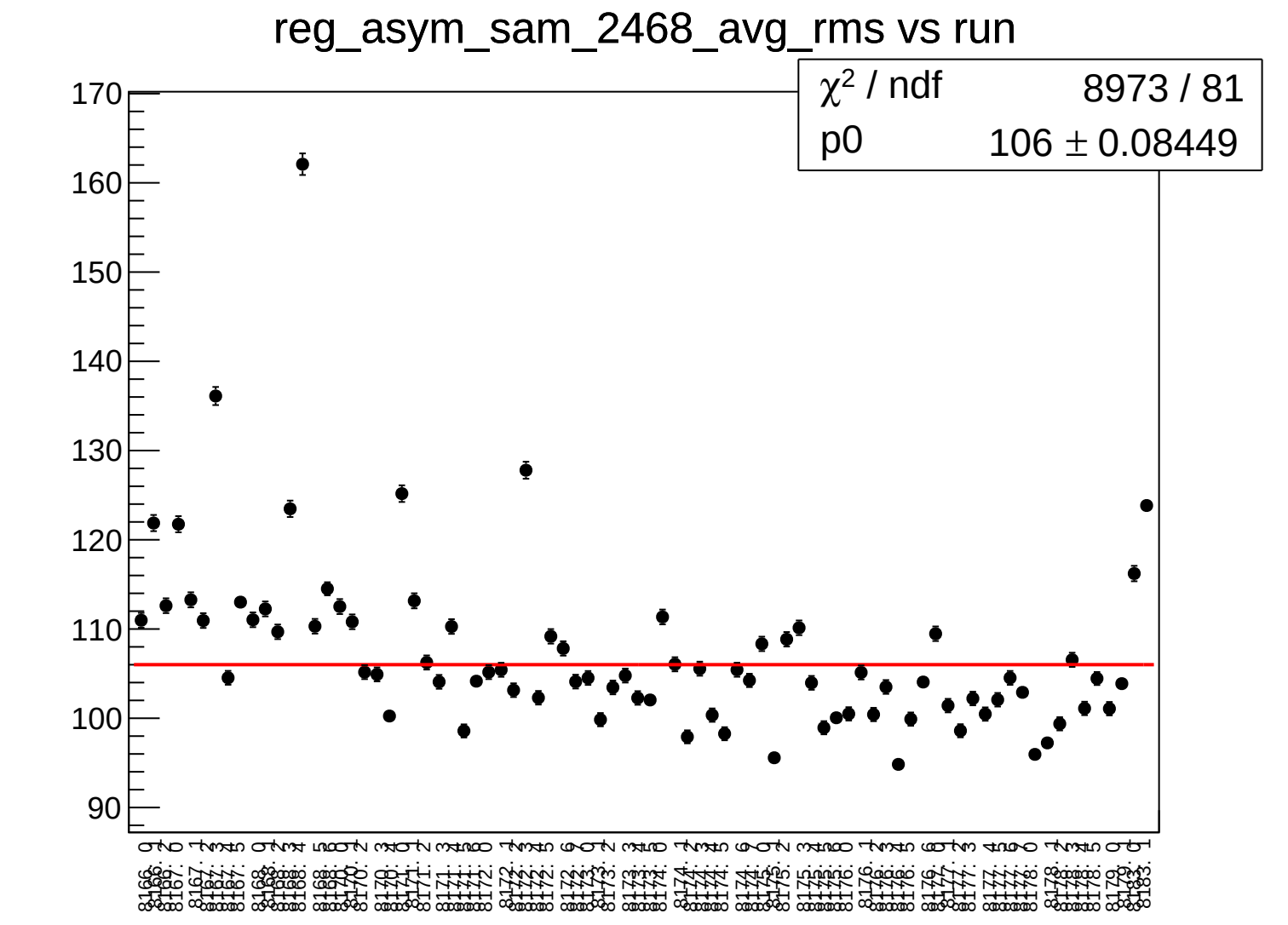

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.498e+04 / 81
p0 24.33 ± 0.01962
55
50
45
40
35
30
25
20
15

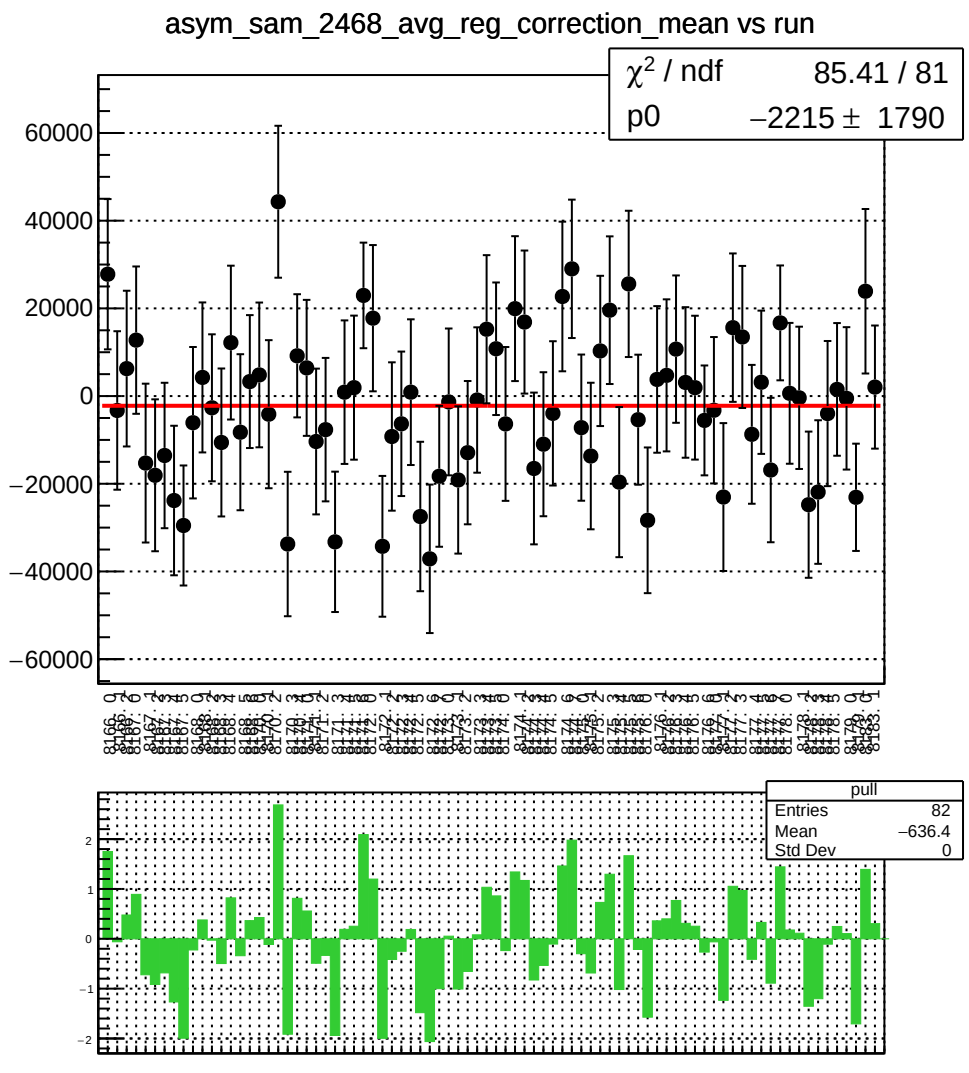

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.4 / 81
p0 2.144e−14 ± 3.252e−14
pull
Entries 82
Mean 12.04
Std Dev 0
pull1D
Entries 82
Mean −0.05328
Std Dev 1.072

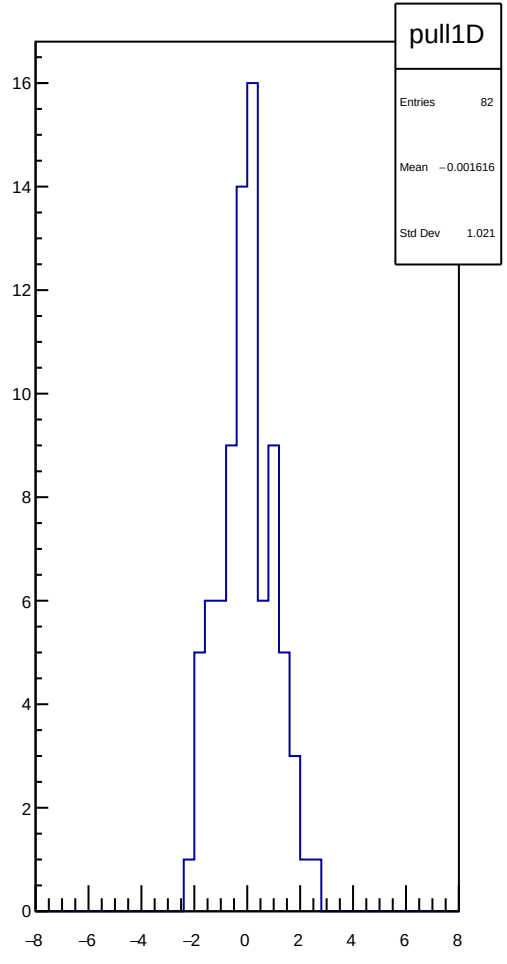

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.544e+05 / 81
p0 2.332e−11 ± 2.299e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

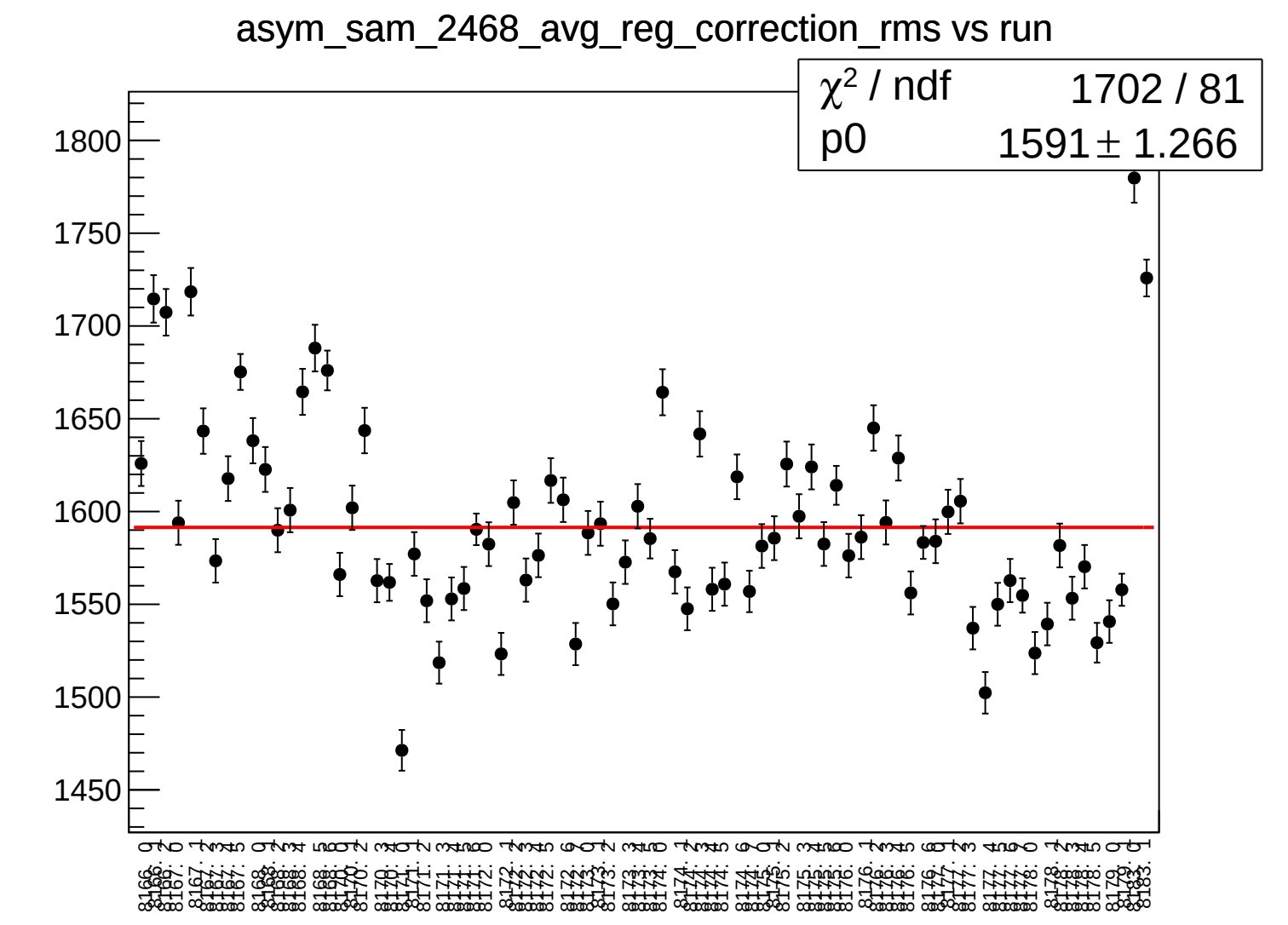

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 89.44 / 81
p0 −18.96 ± 119.5
pull
Entries 82
Mean −370.1
Std Dev 0

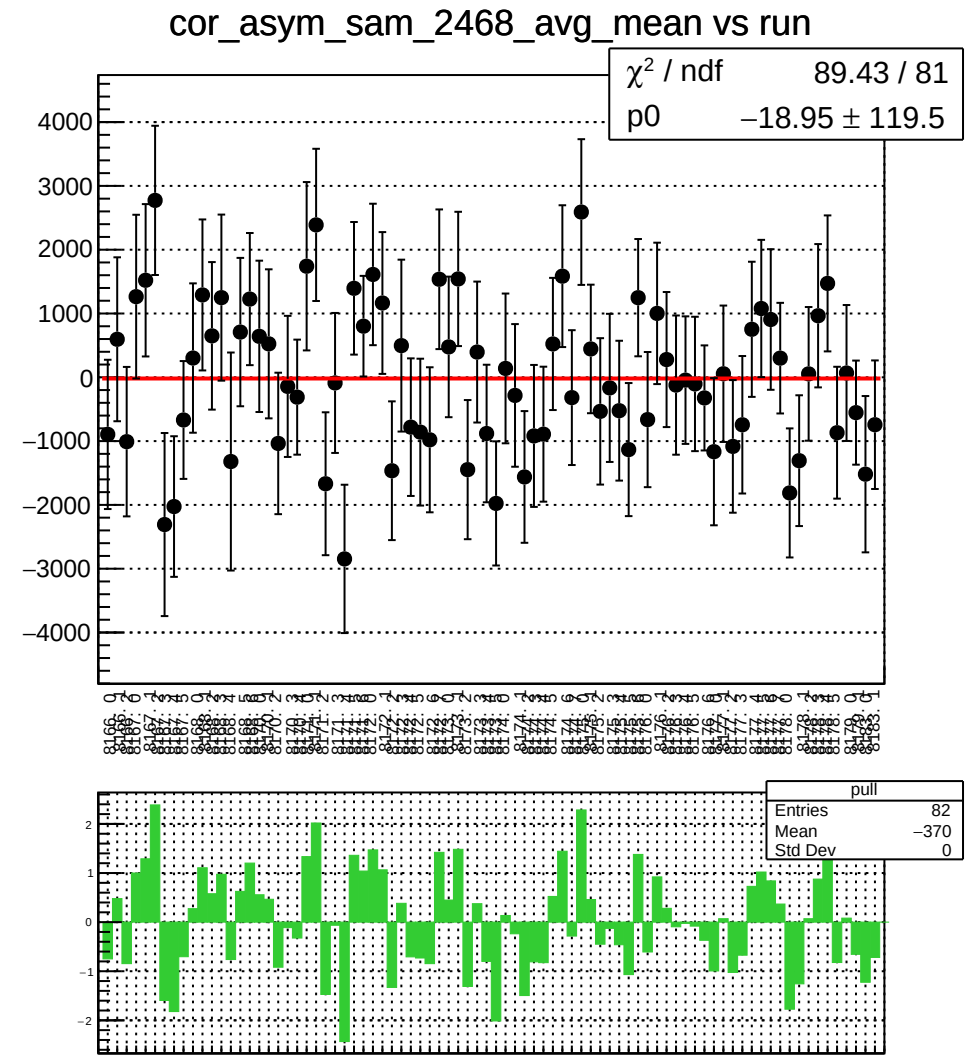

pull1D
Entries 82
Mean 0.007474
Std Dev 1.044

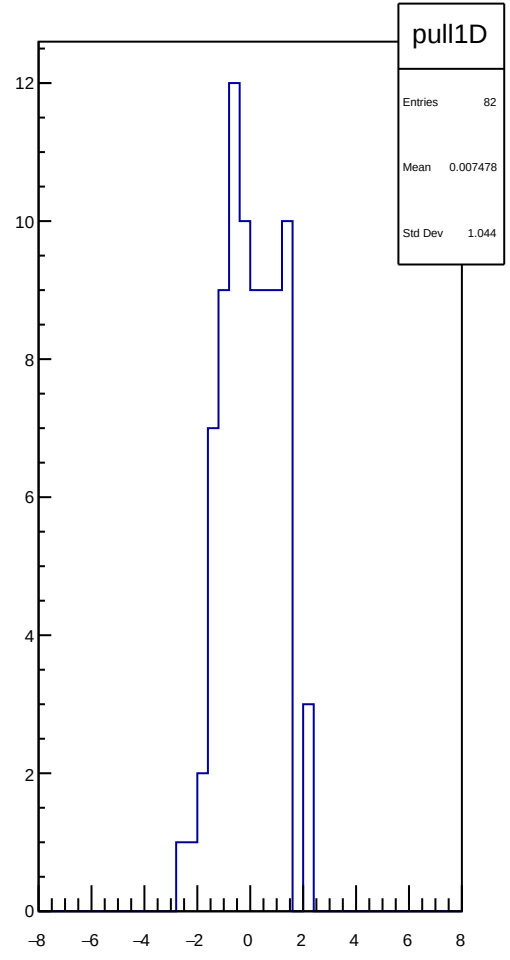

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 8973 / 81
p0 106 ± 0.08449
170
160
150
140
130
120
110
100
90

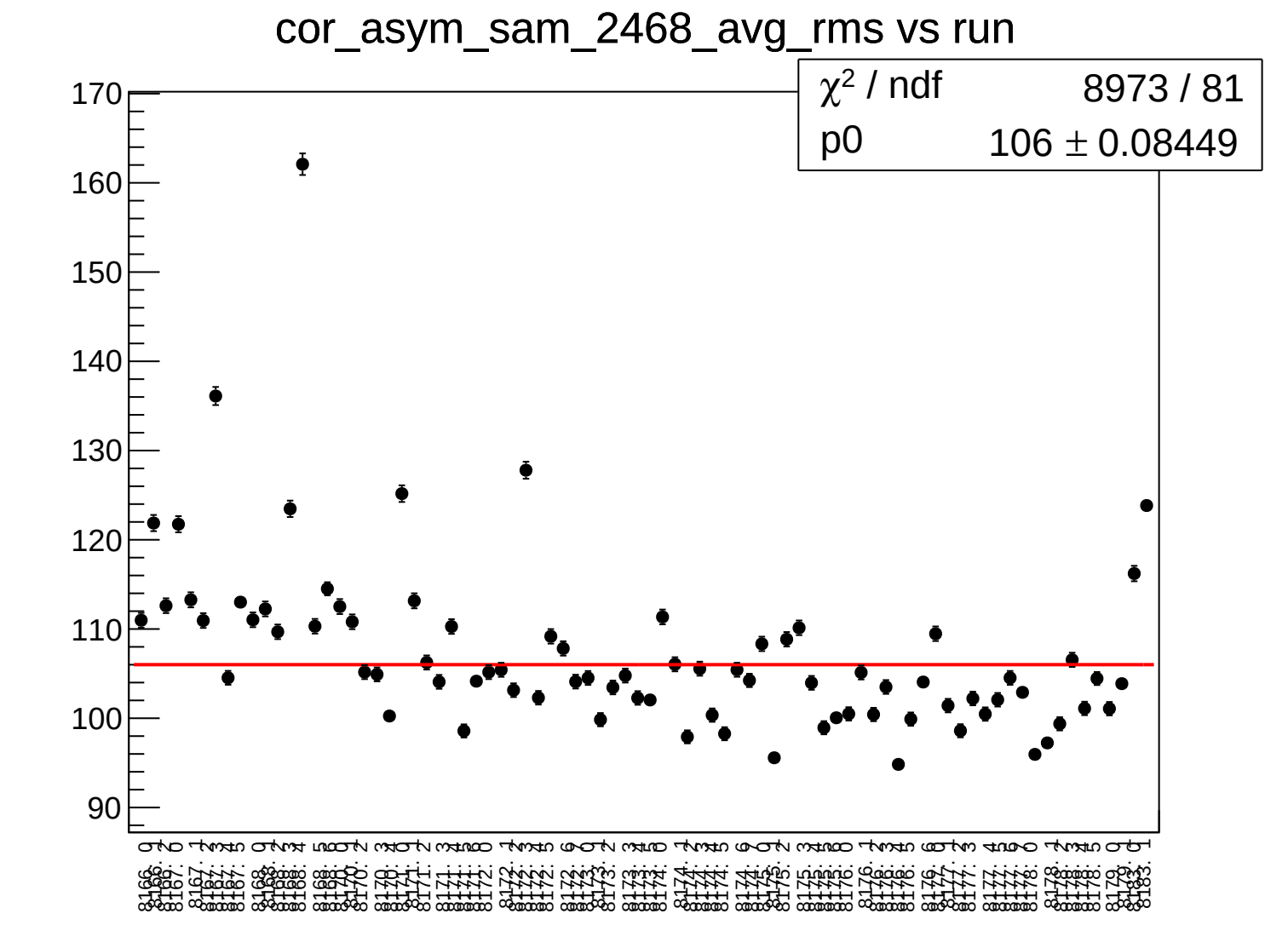

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 85.41 / 81
p0 −2215 ± 1790
pull
Entries 82
Mean −636.4
Std Dev 0

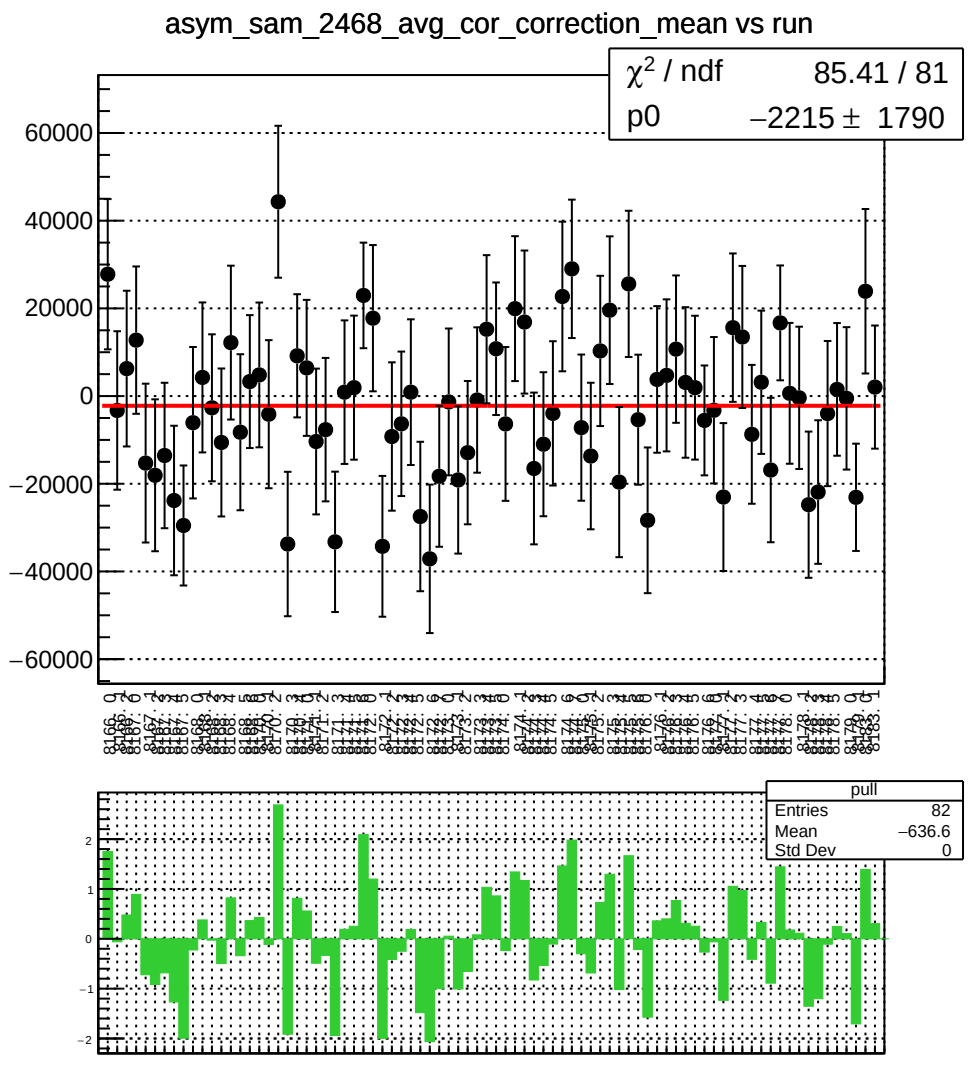

pull1D
Entries 82
Mean −0.001616
Std Dev 1.021

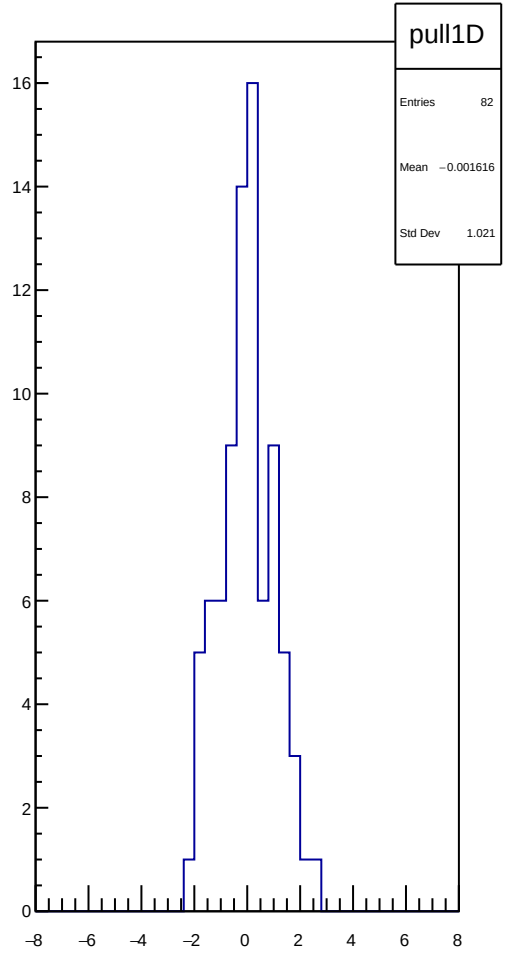

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 1702 / 81
p0 1591 ± 1.266
1800
1750
1700
1650
1600
1550
1500
1450

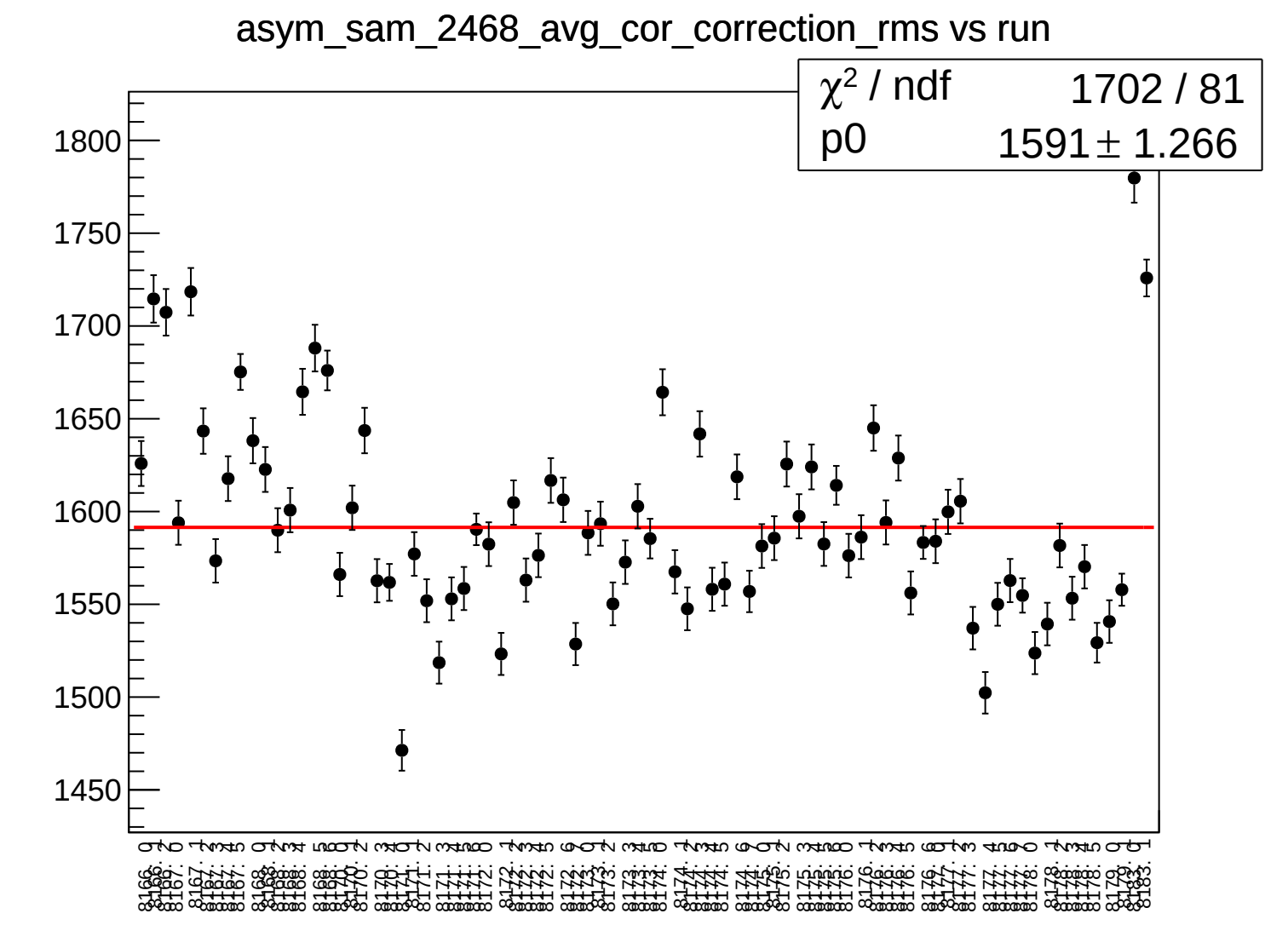

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 89.43 / 81
p0 −18.95 ± 119.5
pull
Entries 82
Mean −370
Std Dev 0

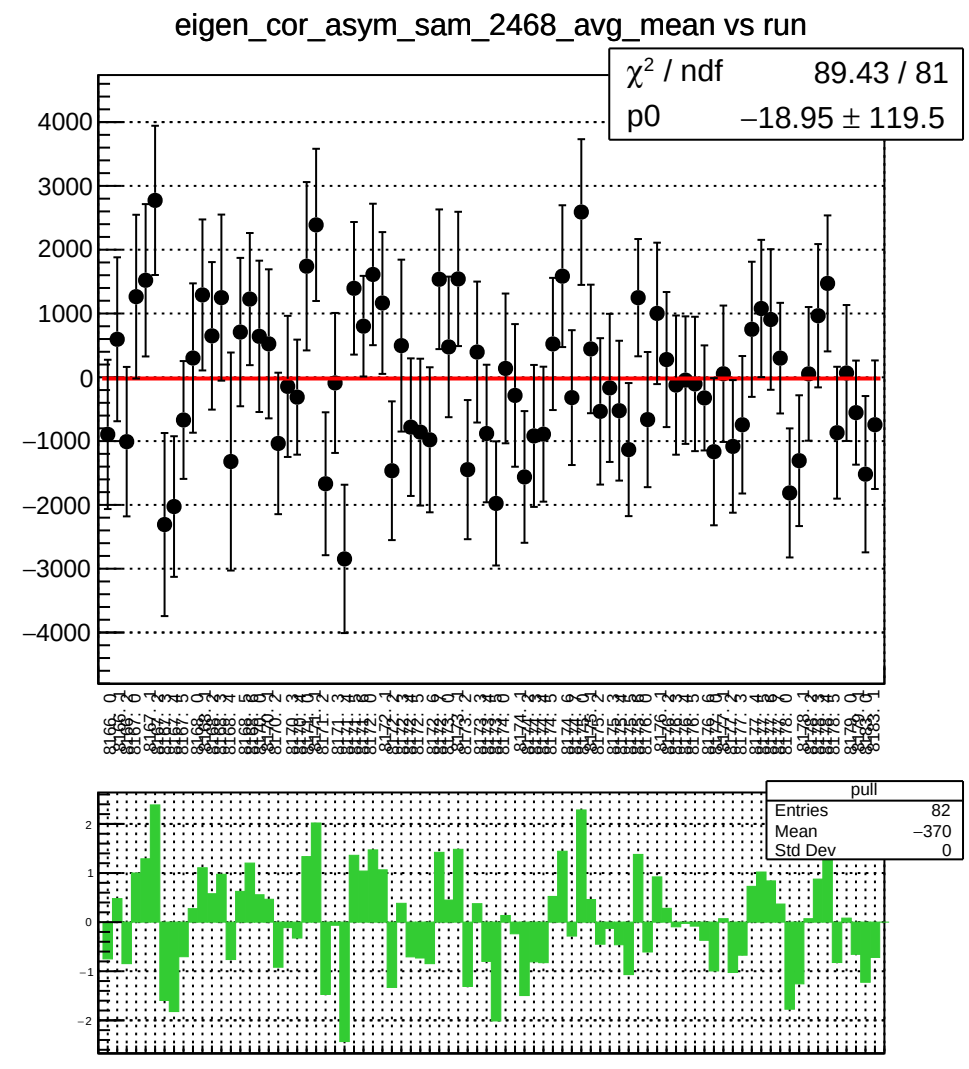

pull1D
Entries 82
Mean 0.007478
Std Dev 1.044

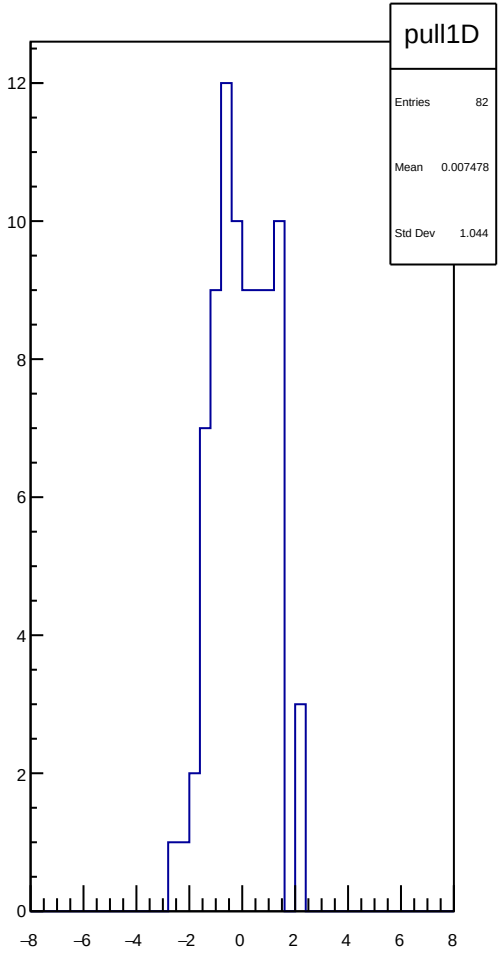

cor_asym_sam_2468_avg_rms vs run
χ^2 / ndf 8973 / 81
p0 106 ± 0.08449
170
160
150
140
130
120
110
100
90

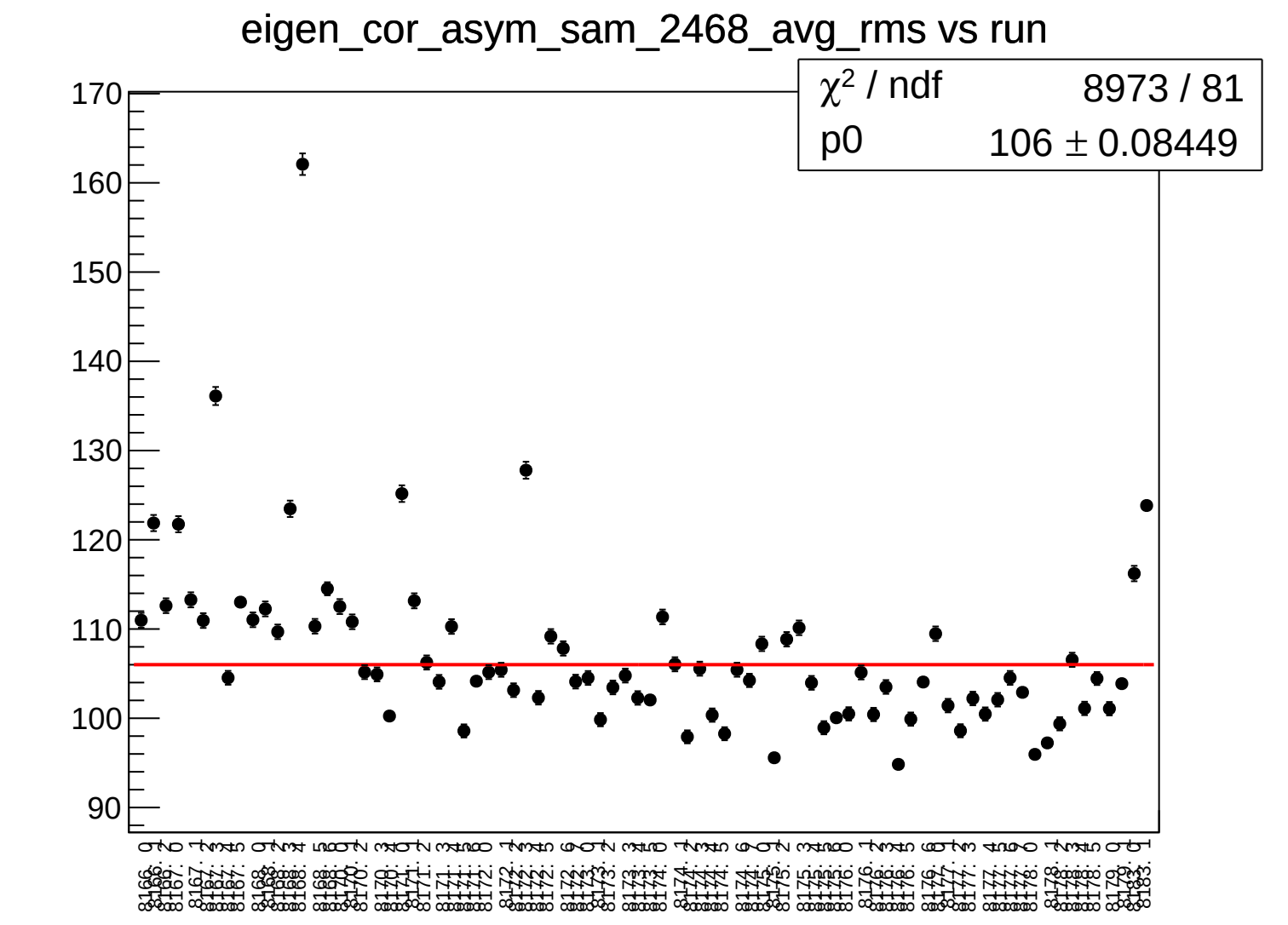

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 85.41 / 81
p0 −2215 ± 1790
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −636.6
Std Dev 0
2
1
0
−1
−2

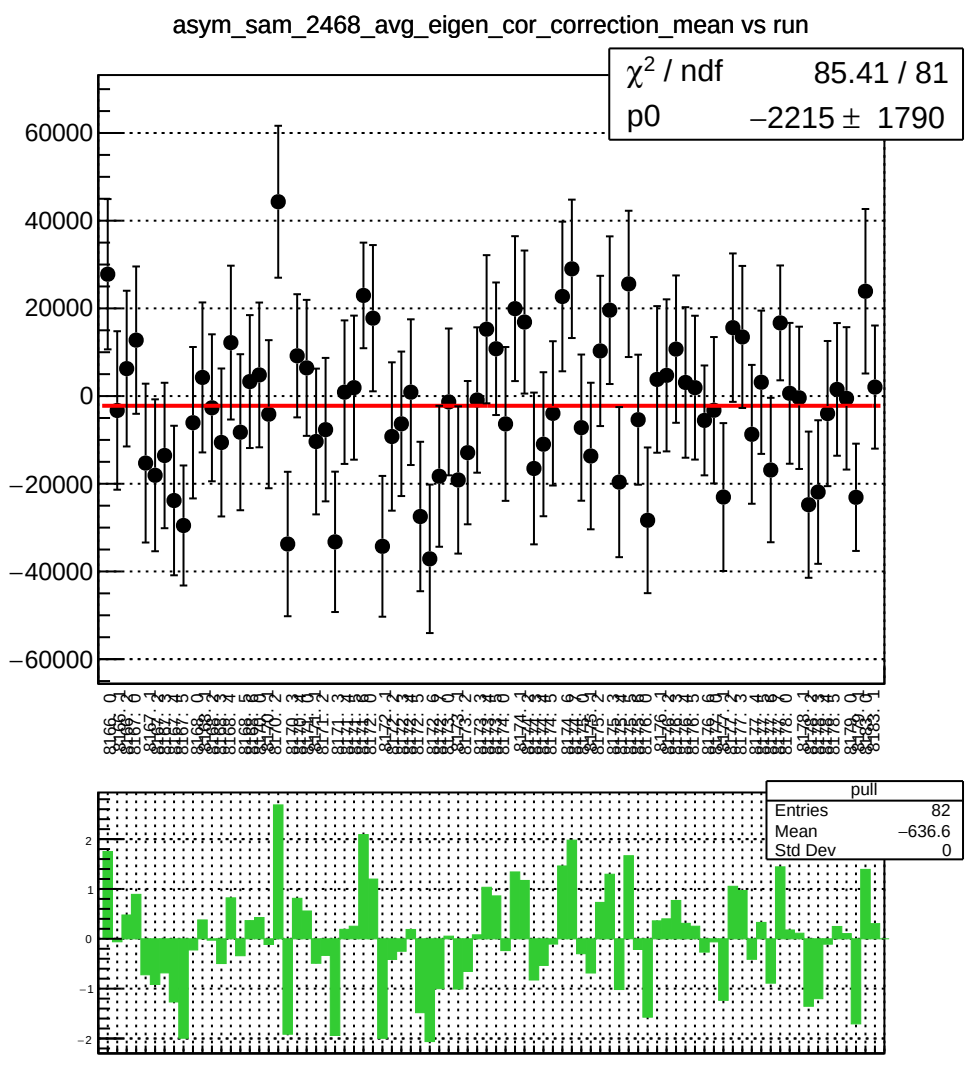

pull1D
Entries 82
Mean −0.001616
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

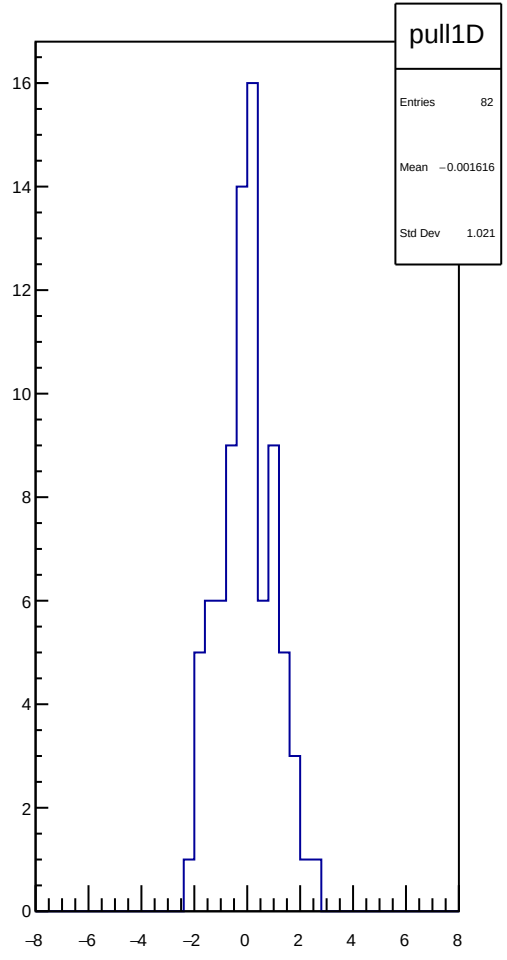

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 1702 / 81
p0 1591 ± 1.266
1800
1750
1700
1650
1600
1550
1500
1450

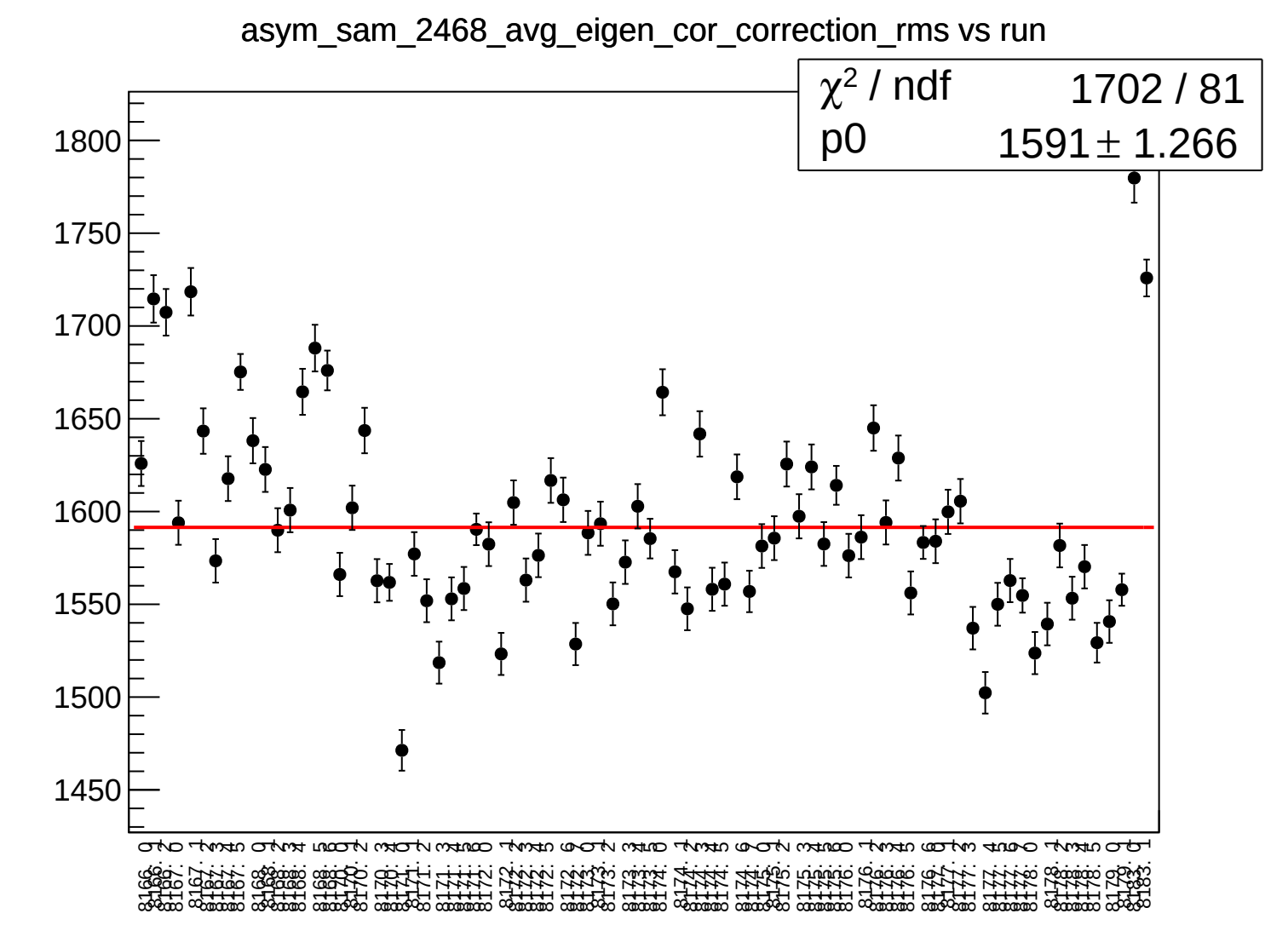

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 89.43 / 81
p0 −18.95 ± 119.5
pull
Entries 82
Mean −370
Std Dev 0

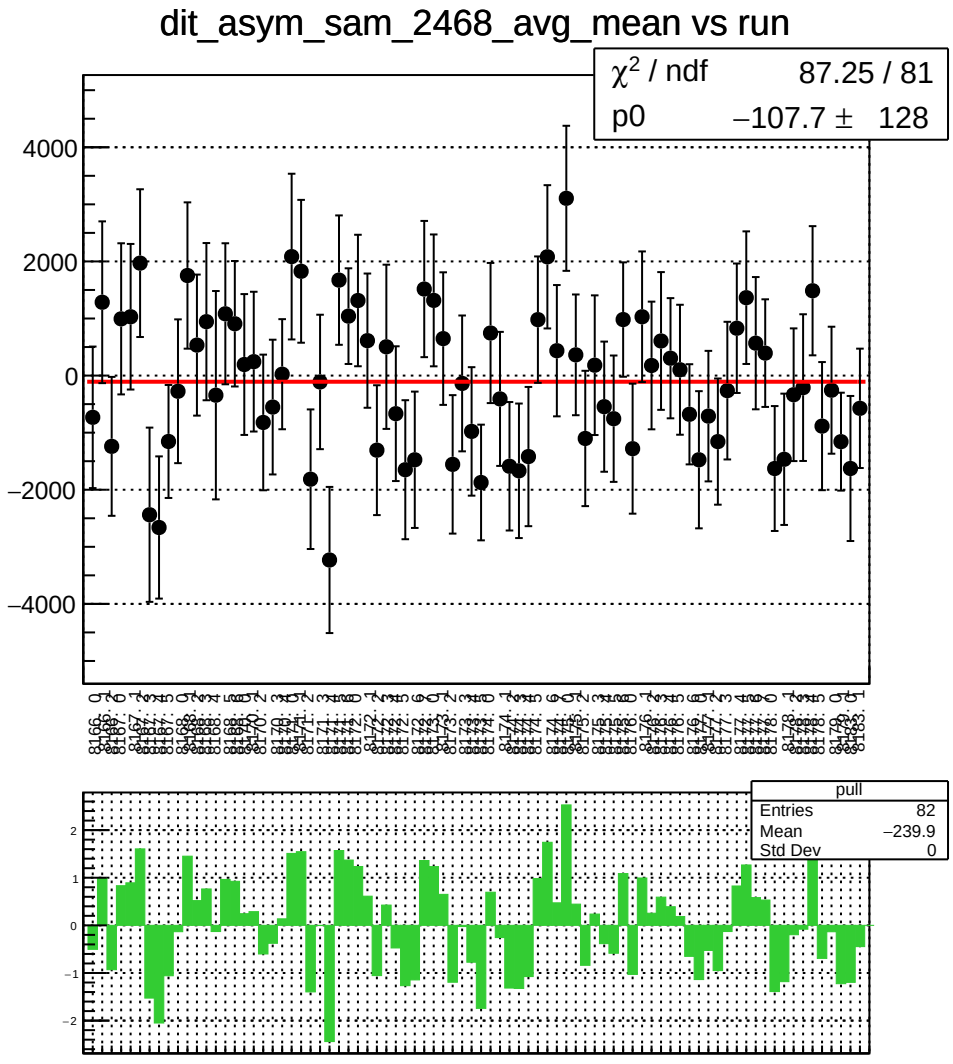

pull1D
Entries 82
Mean 0.007478
Std Dev 1.044

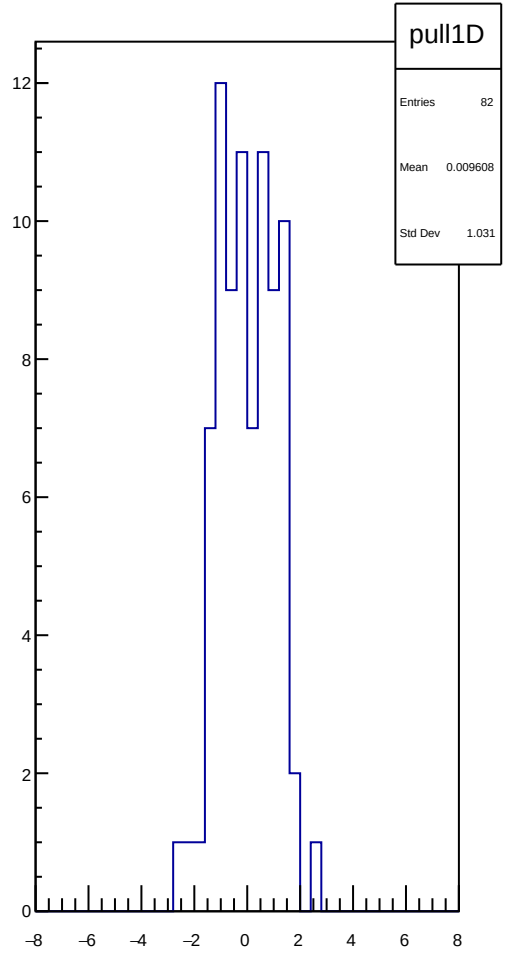

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 8973 / 81
p0 106 ± 0.08449
170
160
150
140
130
120
110
100
90

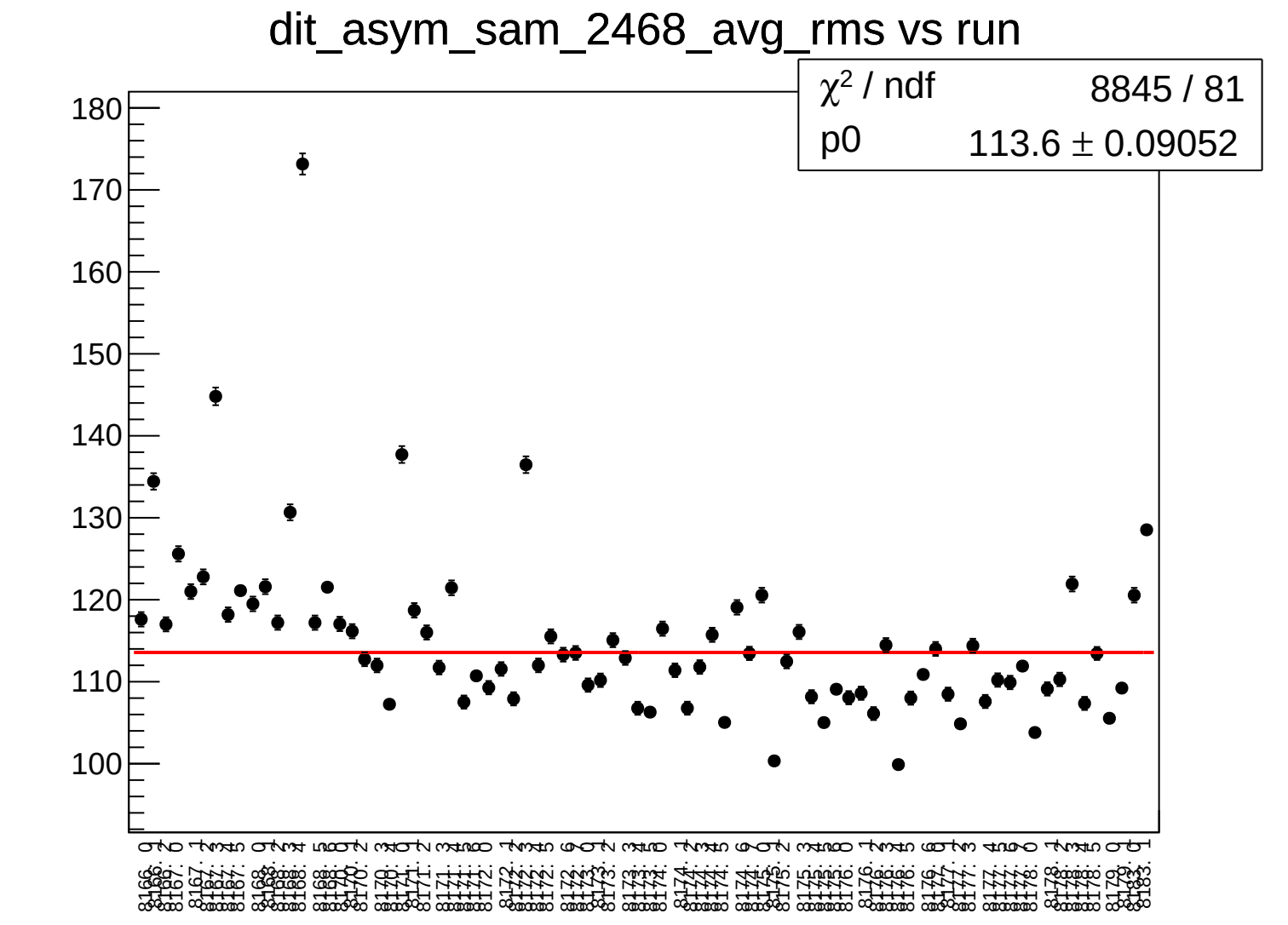

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 85.41 / 81
p0 −2215 ± 1790
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −636.6
Std Dev 0
2
1
0
−1
−2

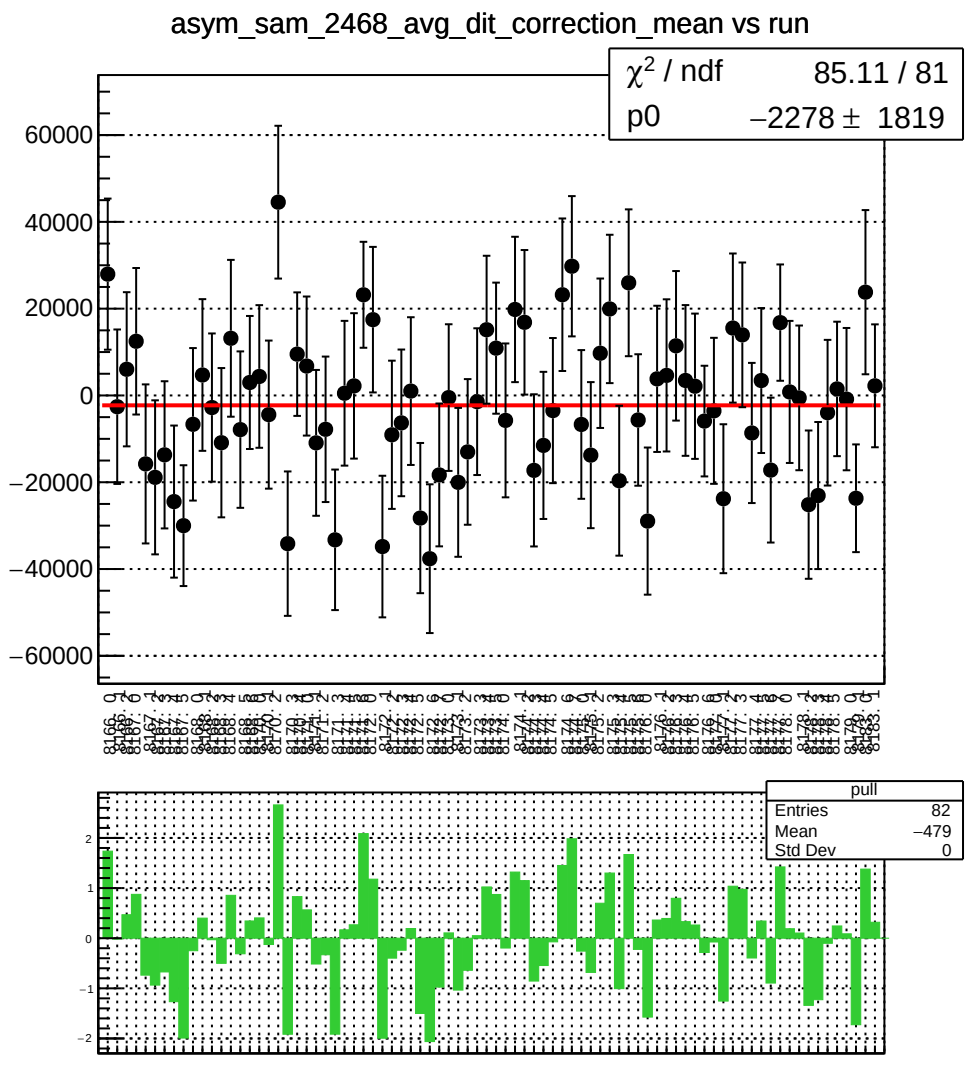

pull1D
Entries 82
Mean −0.001616
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

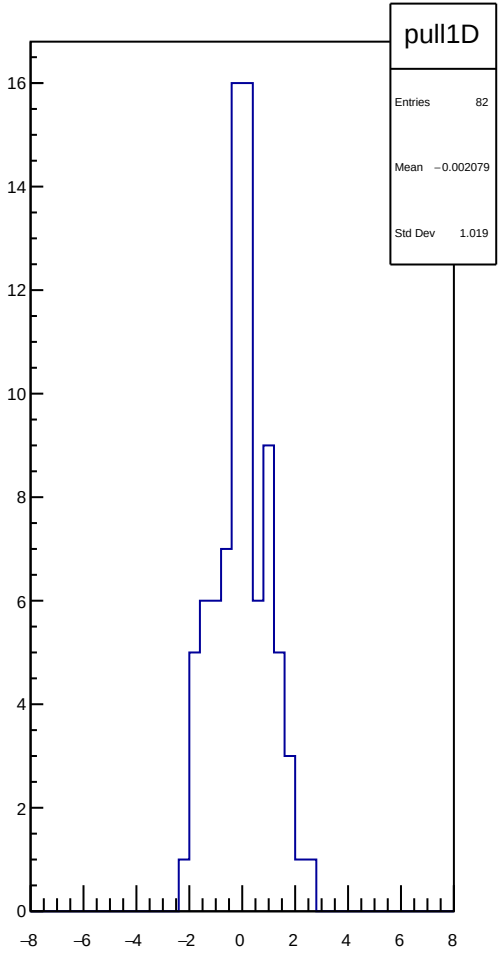

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 1702 / 81
p0 1591 ± 1.266
1800
1750
1700
1650
1600
1550
1500
1450

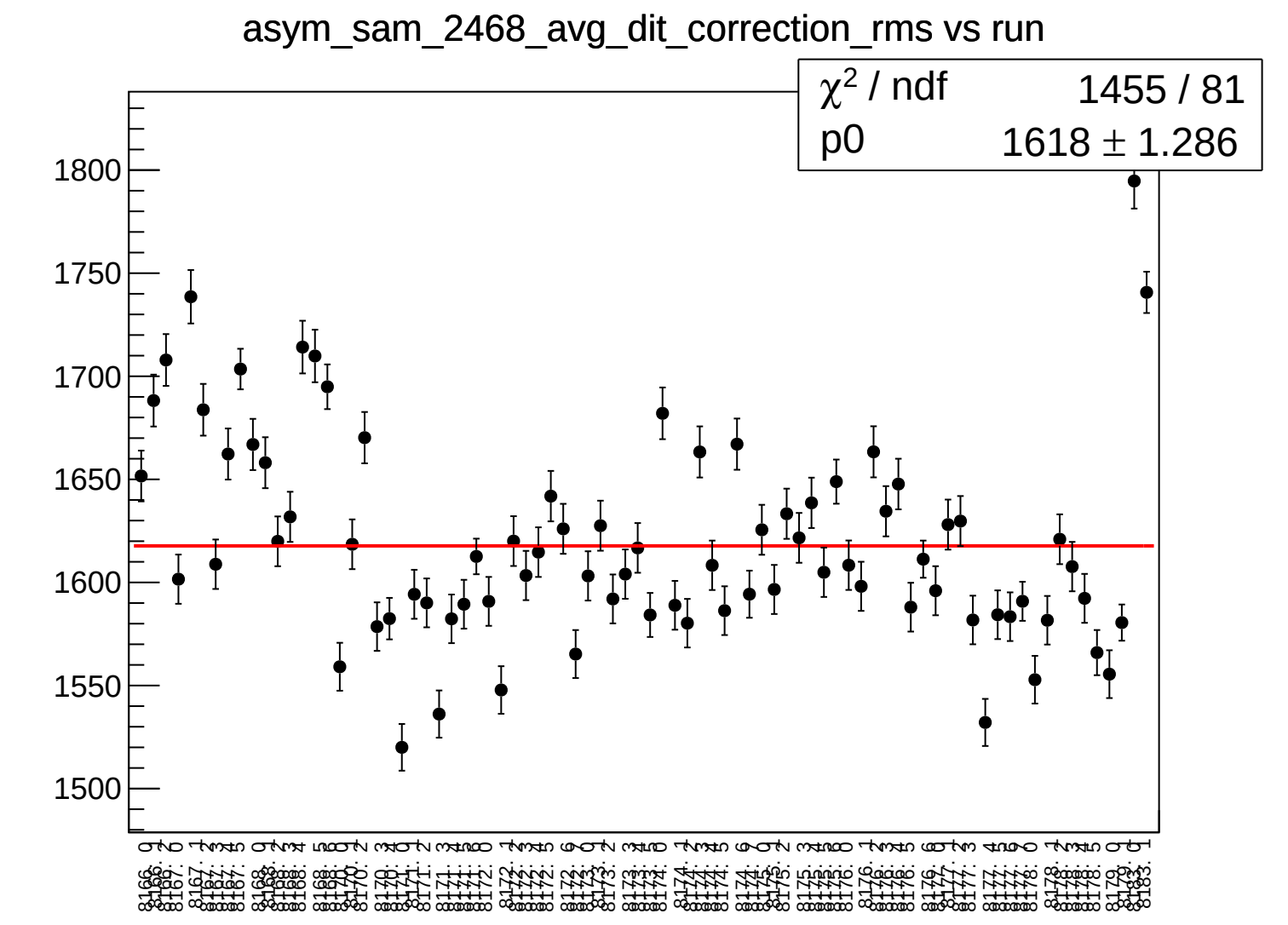

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 87.25 / 81
p0 −107.7 ± 128
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −239.9
Std Dev 0
2
1
0
−1
−2

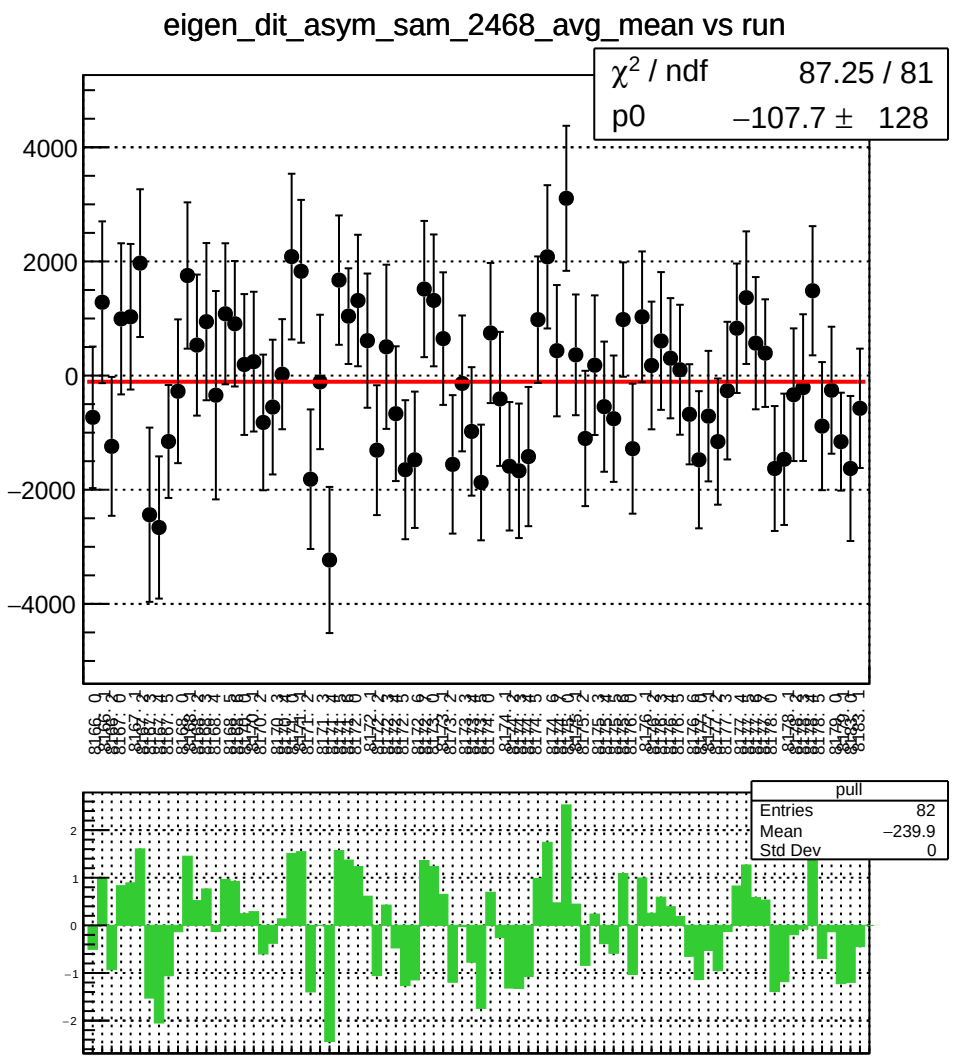

pull1D
Entries 82
Mean 0.009608
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

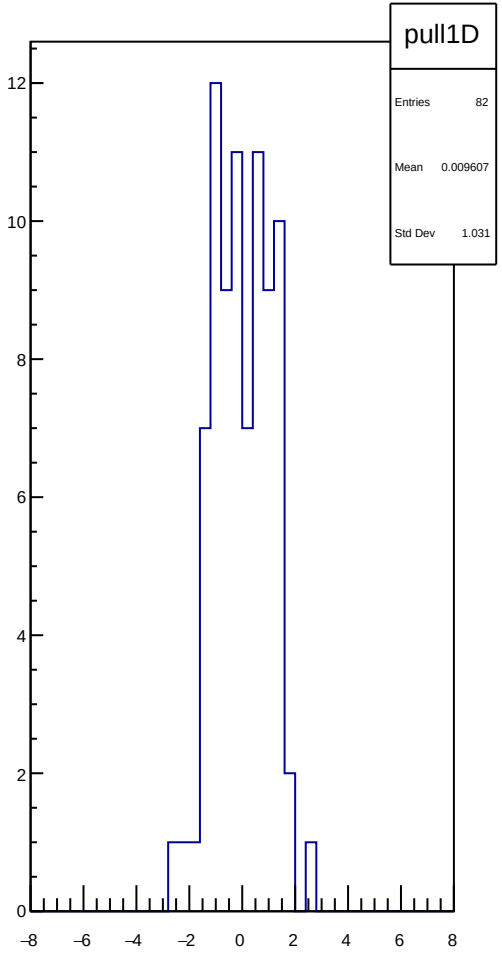

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 8845 / 81
p0 113.6 ± 0.09052
180
170
160
150
140
130
120
110
100

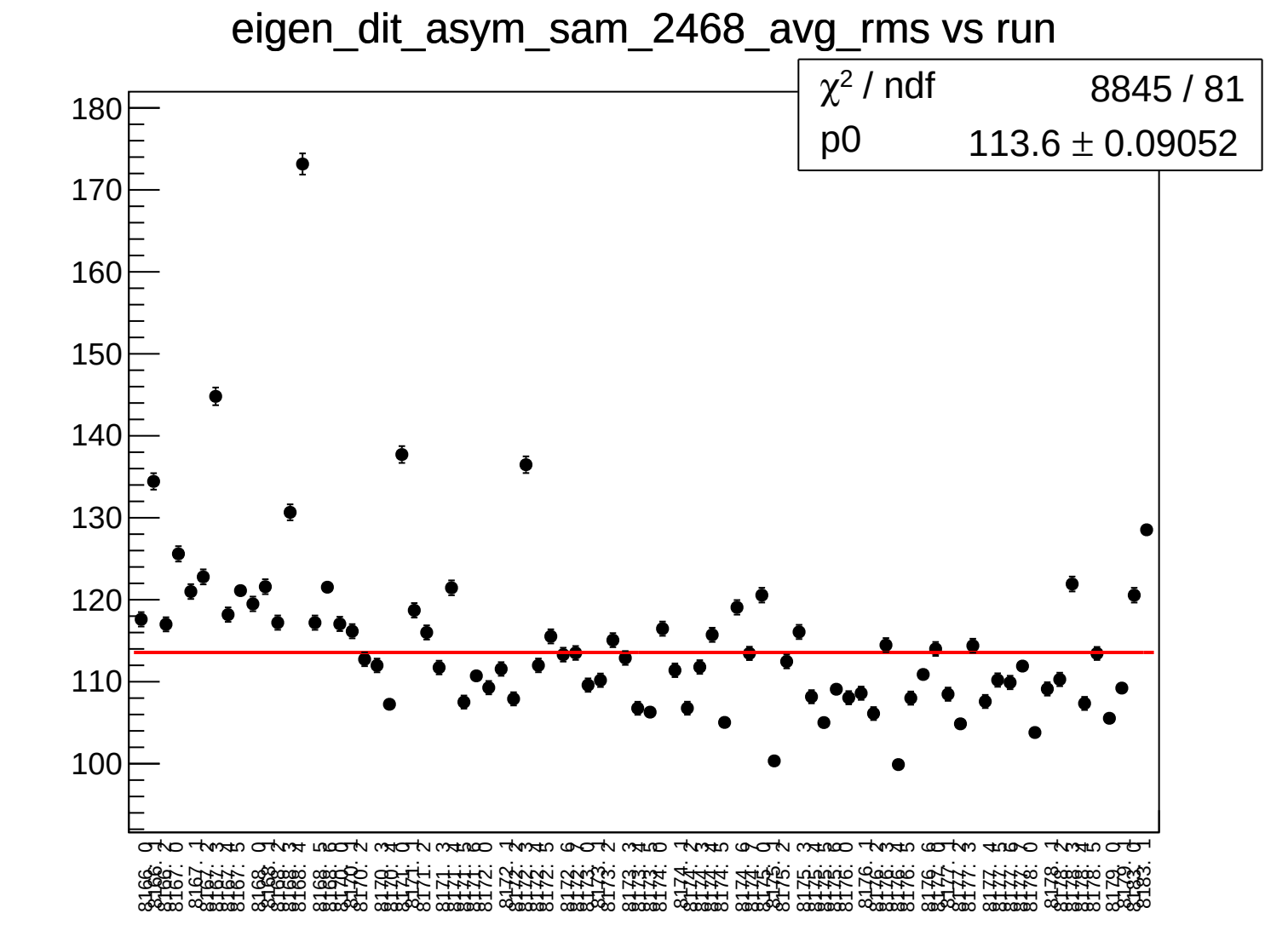

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 85.11 / 81
p0 −2278 ± 1819
pull
Entries 82
Mean −479
Std Dev 0

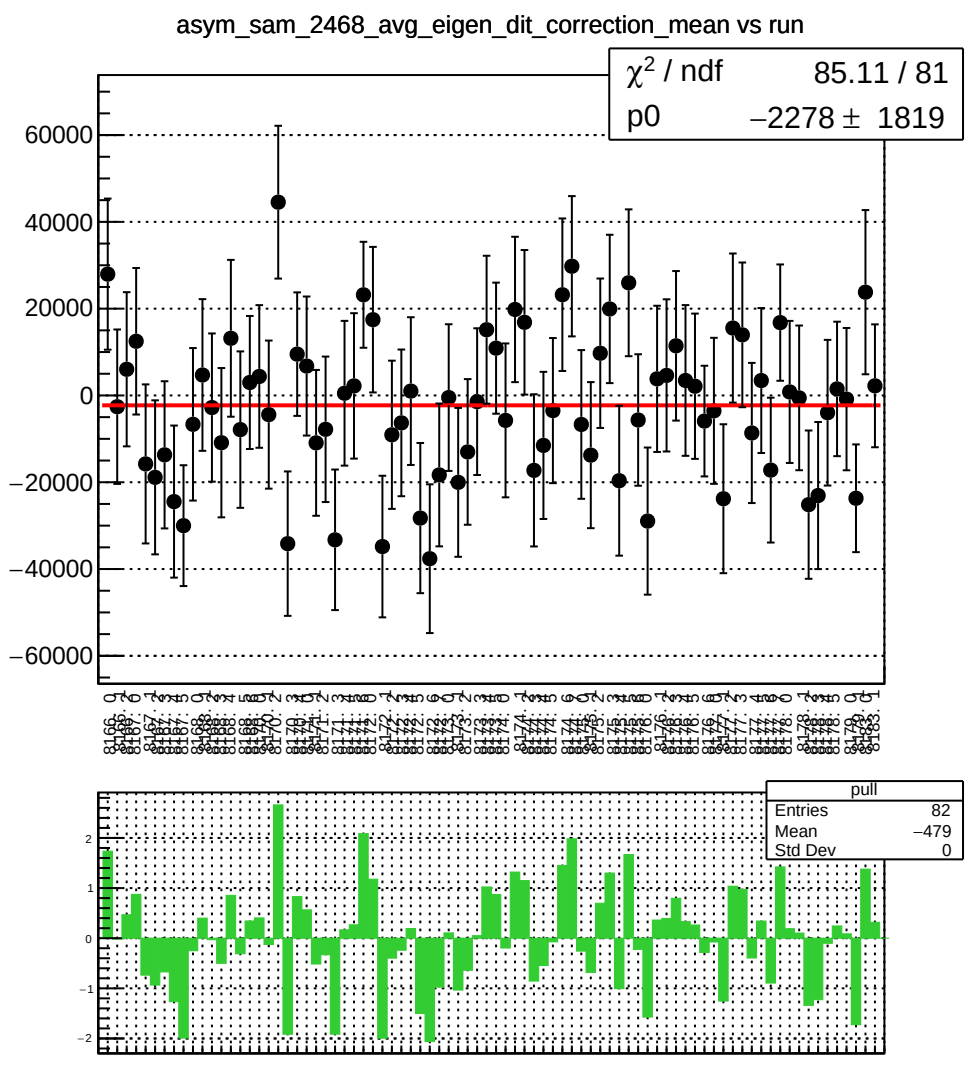

pull1D
Entries 82
Mean −0.002079
Std Dev 1.019

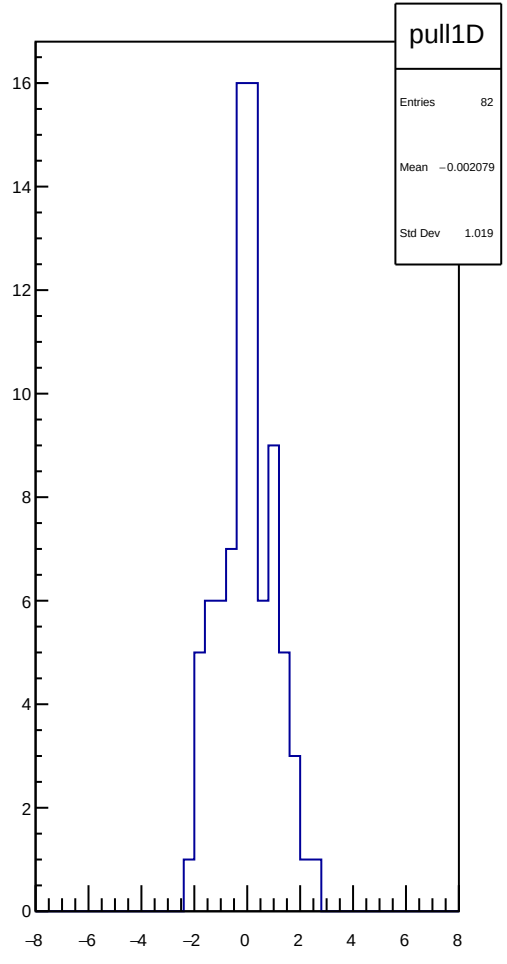

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 1455 / 81
p0 1618 ± 1.286
1800
1750
1700
1650
1600
1550
1500

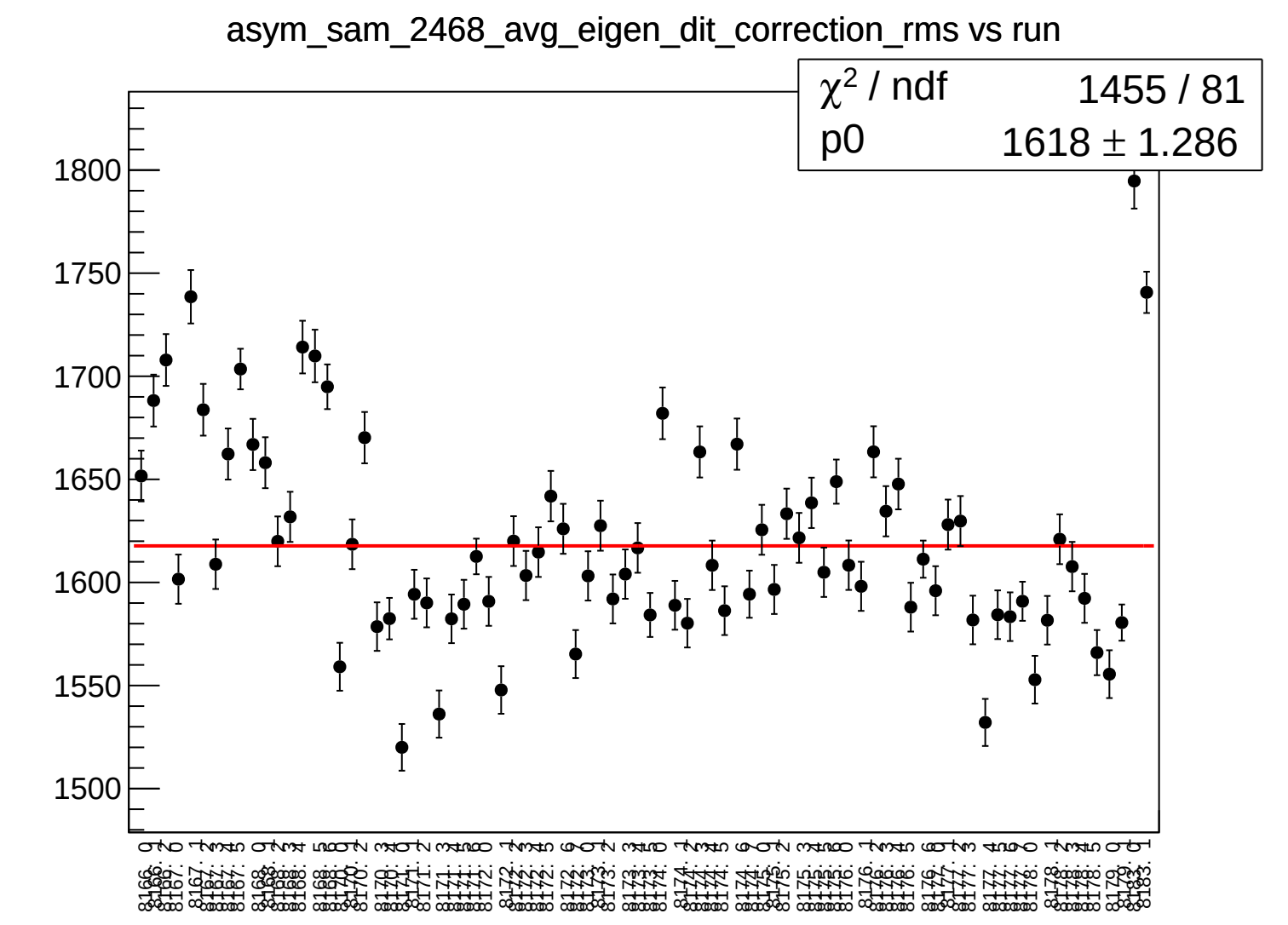

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 87.25 / 81
p0 −107.7 ± 128
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −239.9
Std Dev 0
2
1
0
−1
−2

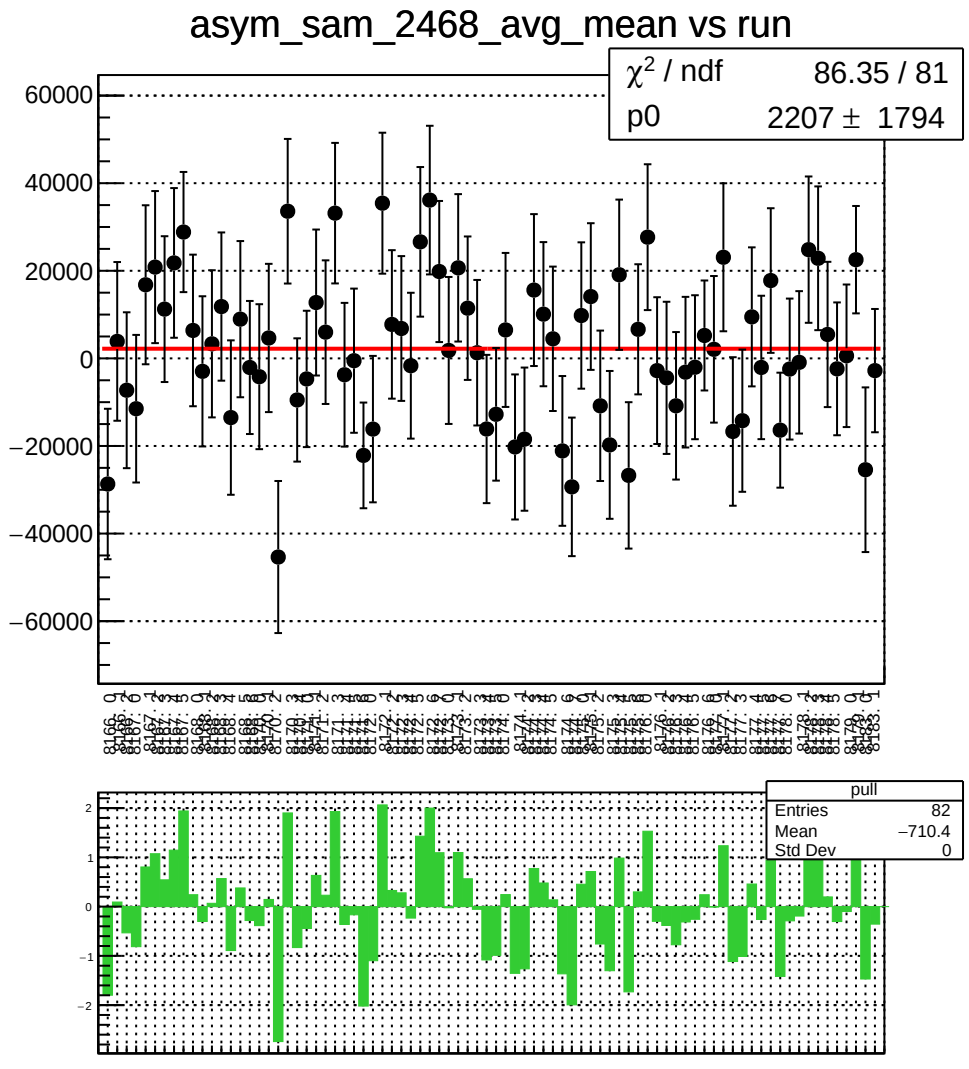

pull1D
Entries 82
Mean 0.009607
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

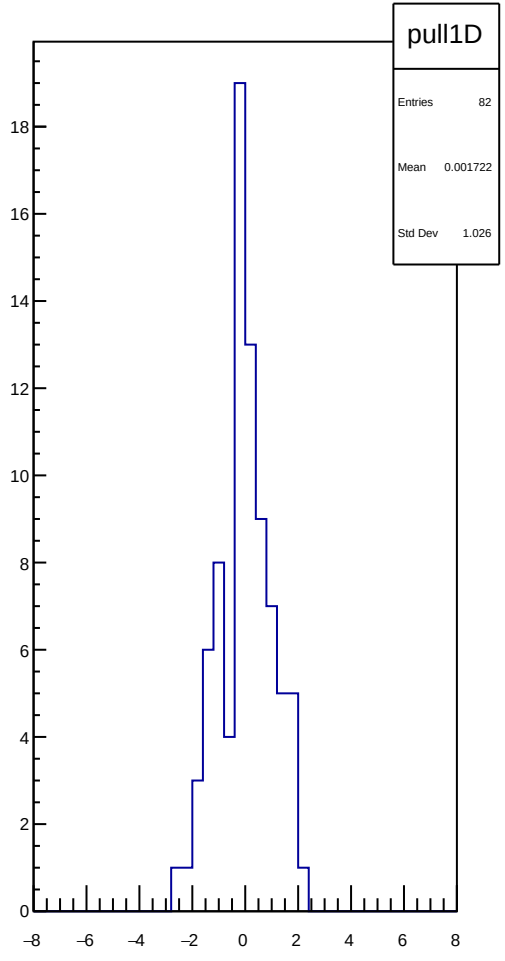

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 8845 / 81
p0 113.6 ± 0.09052
180
170
160
150
140
130
120
110
100

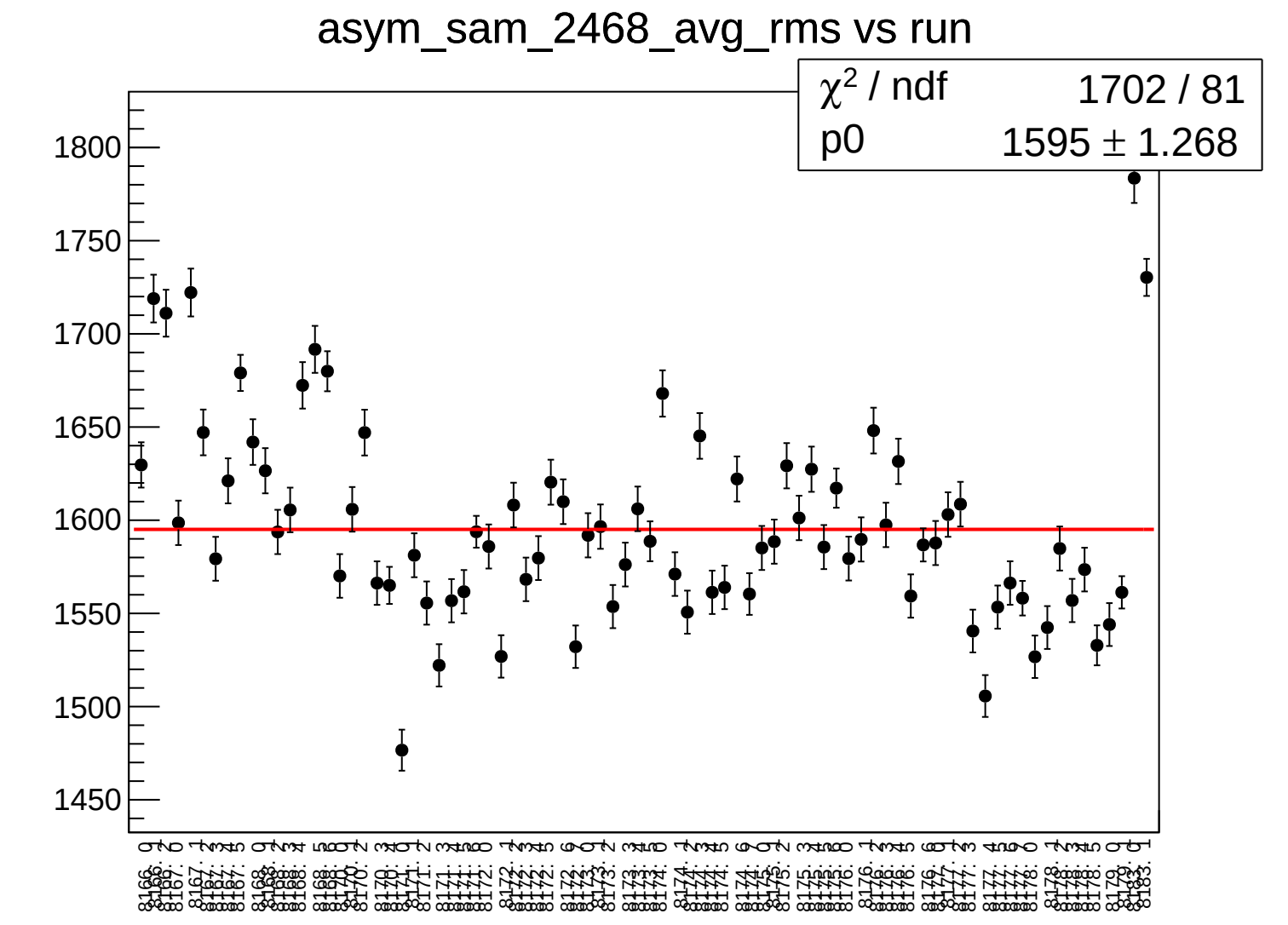

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.11 / 81
p0 −2278 ± 1819
pull
Entries 82
Mean −479
Std Dev 0

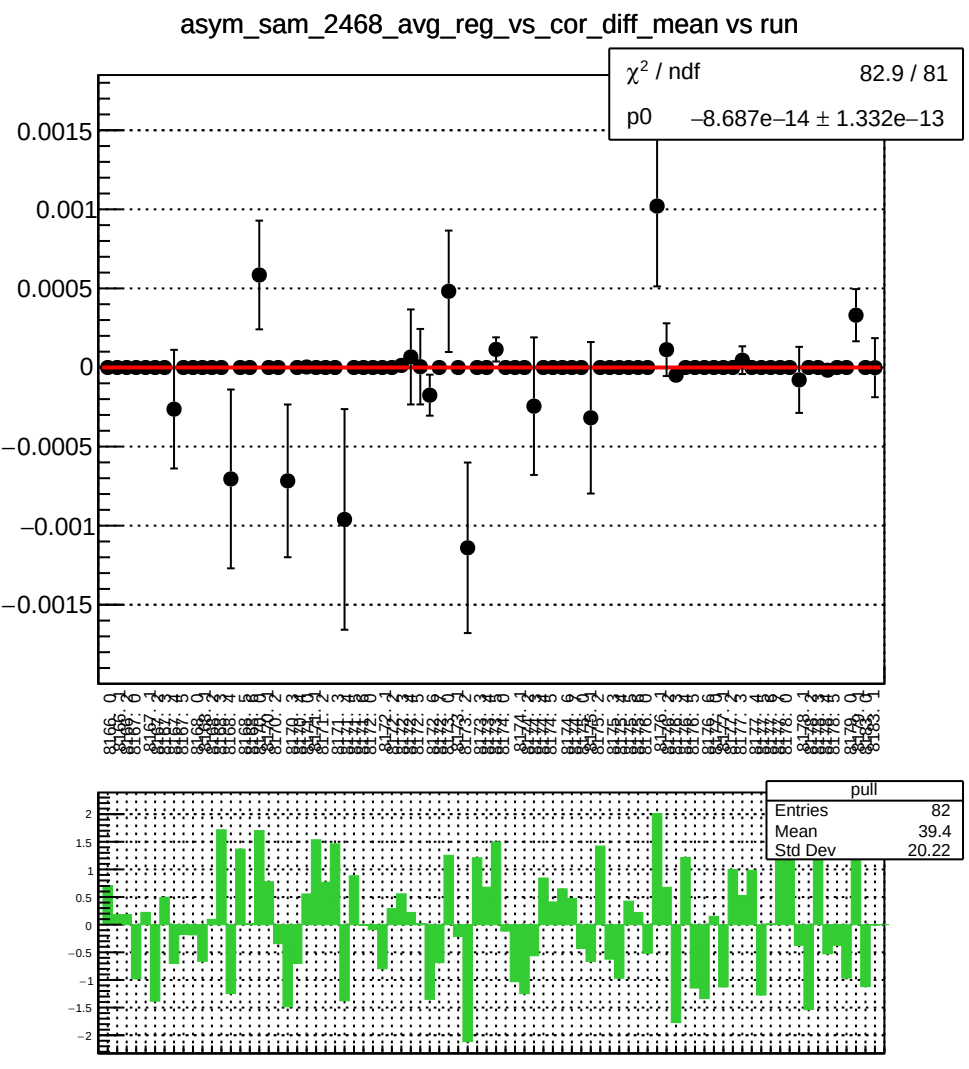

pull1D
Entries 82
Mean −0.002079
Std Dev 1.019

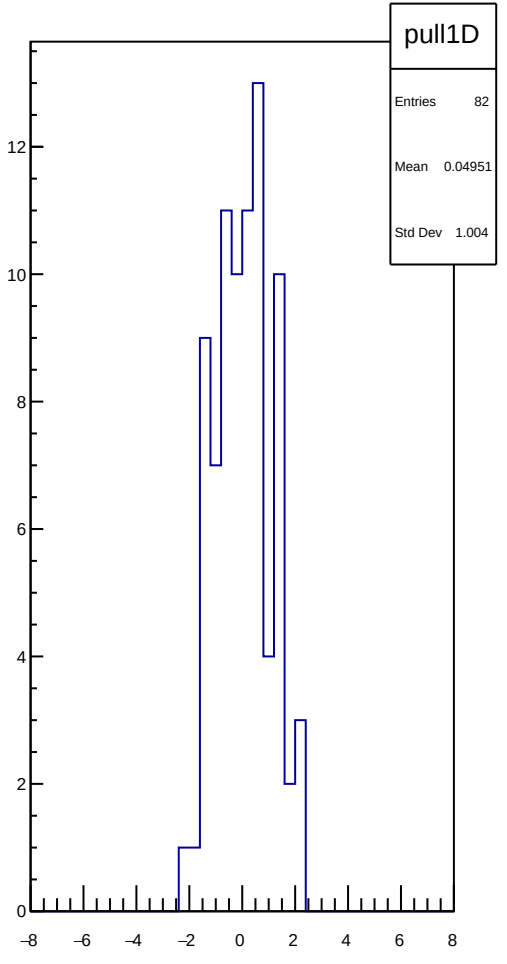

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 1455 / 81
p0 1618 ± 1.286
1800
1750
1700
1650
1600
1550
1500

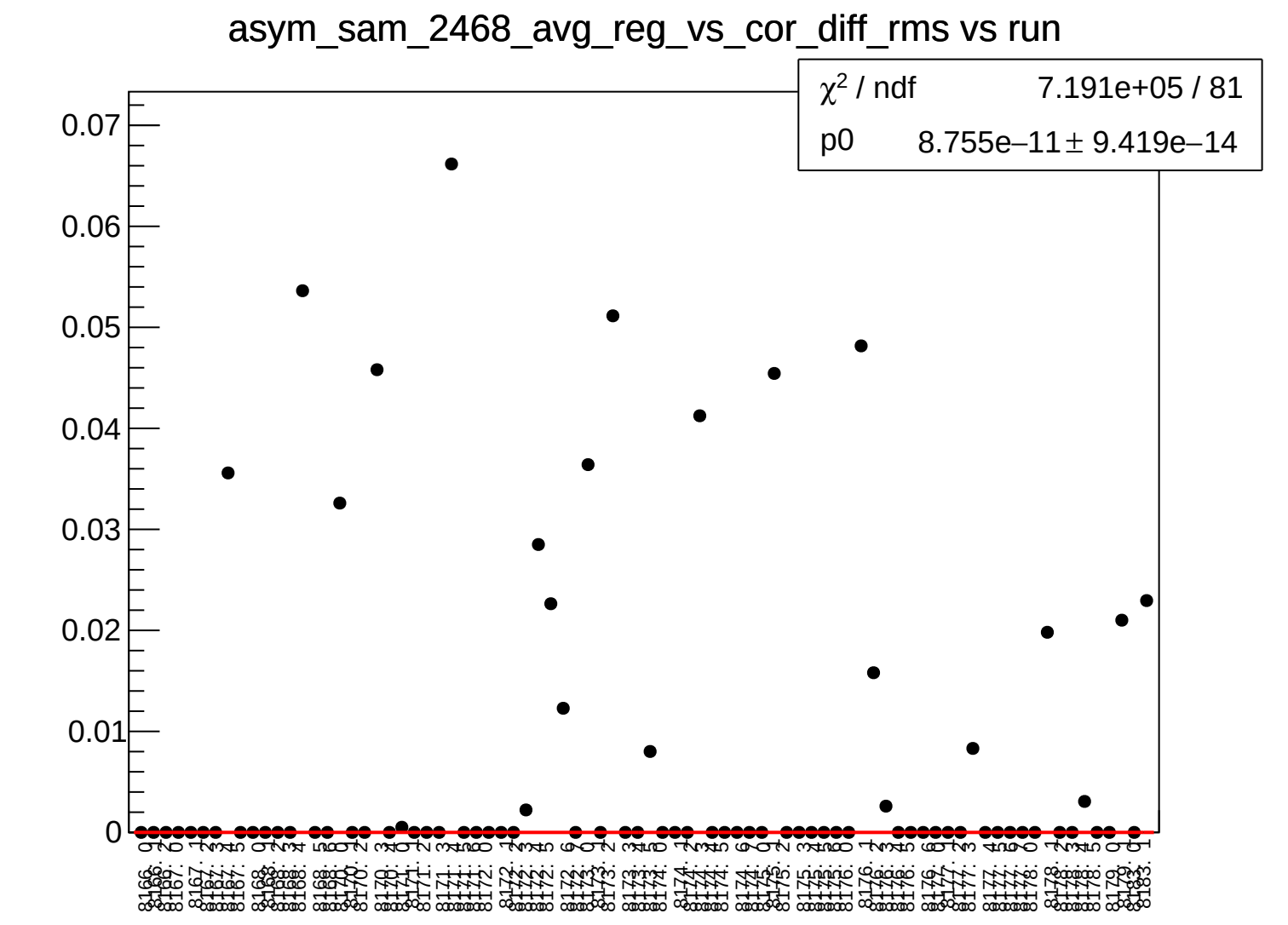

asym_sam_2468_avg_mean vs run
χ² / ndf 86.35 / 81
p0 2207 ± 1794
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −710.4
Std Dev 0
2
1
0
−1
−2

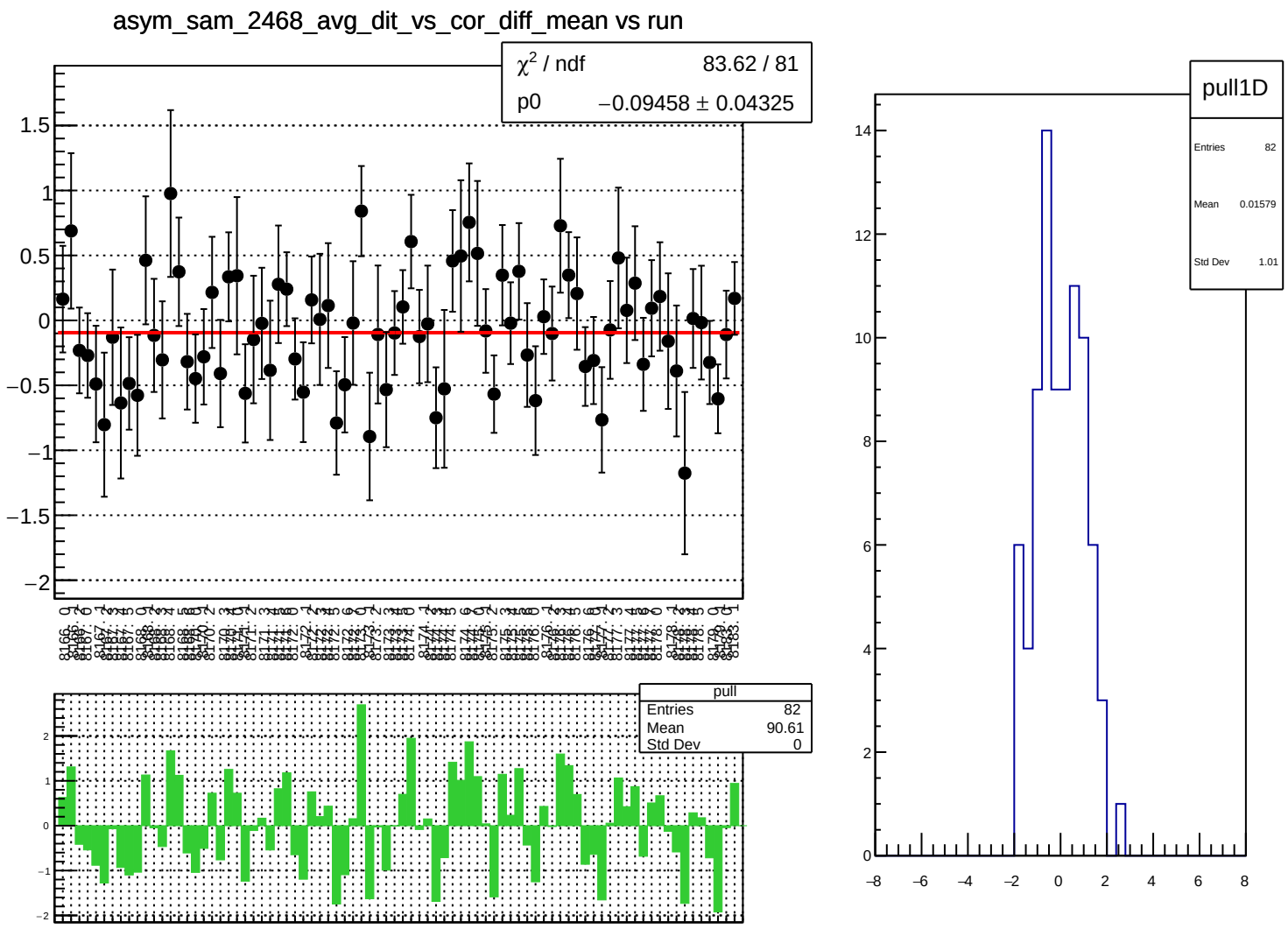

pull1D
Entries 82
Mean 0.001722
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

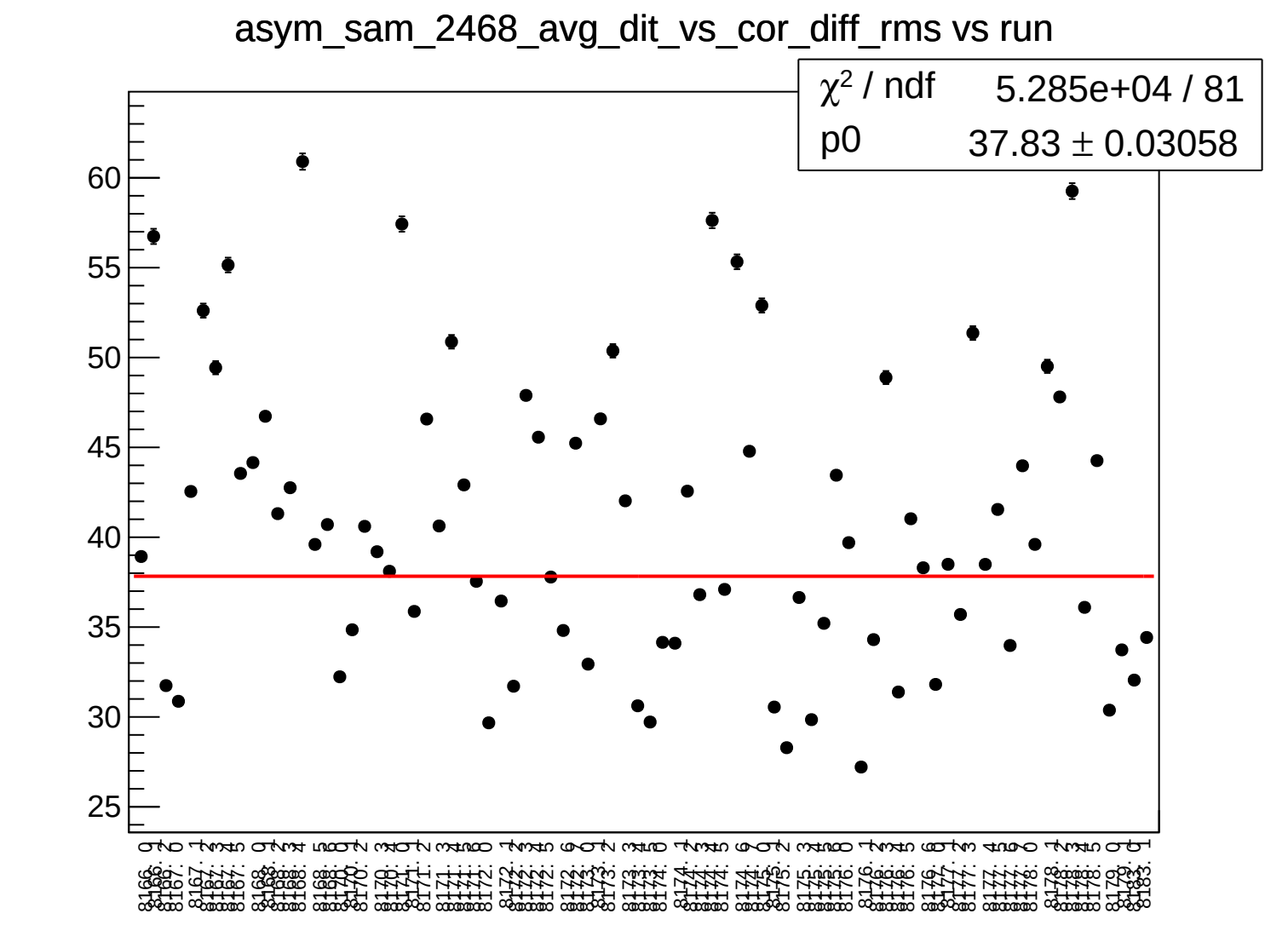

asym_sam_2468_avg_rms vs run
χ² / ndf 1702 / 81
p0 1595 ± 1.268
1800
1750
1700
1650
1600
1550
1500
1450

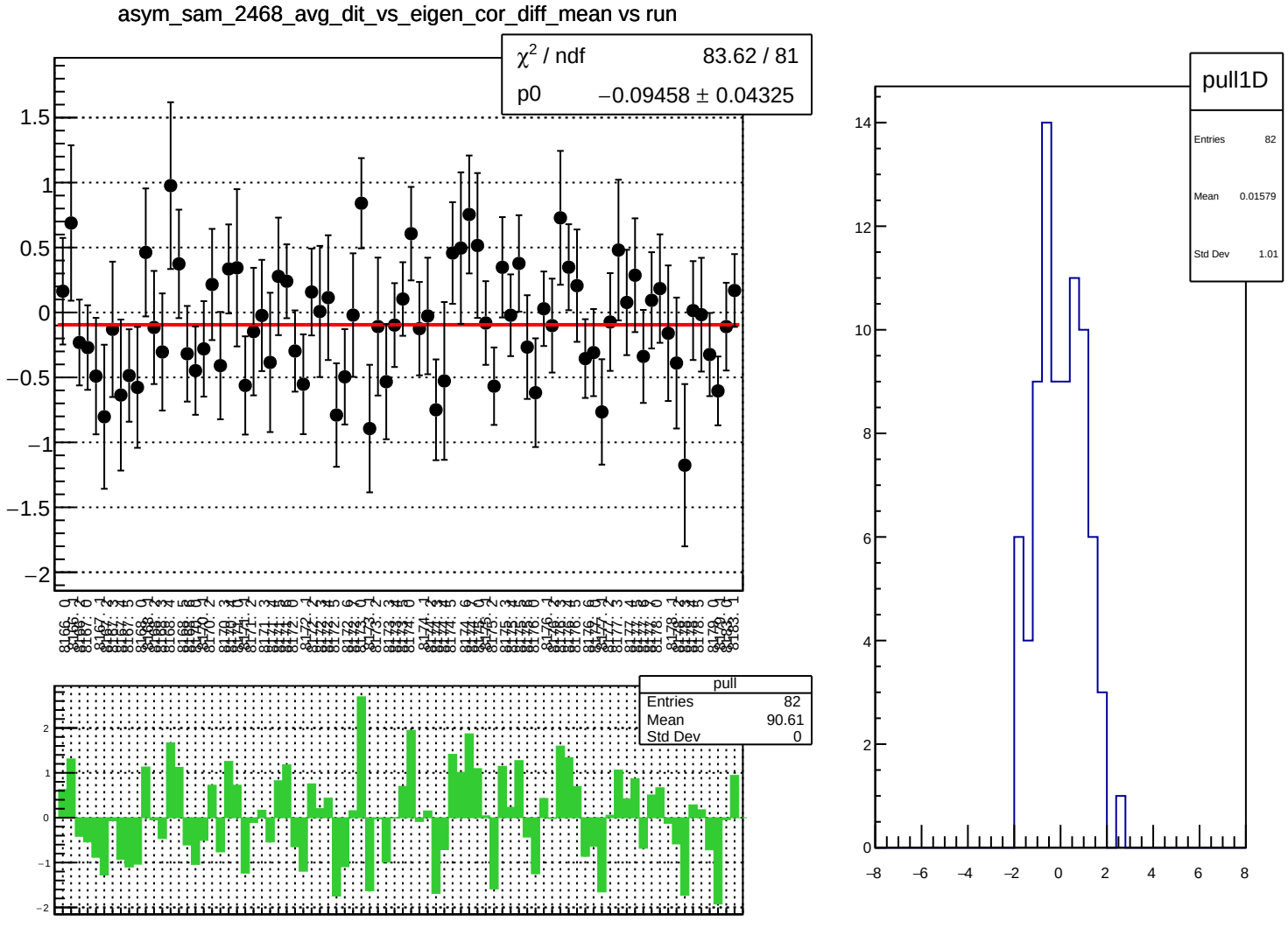

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.9 / 81
p0 −8.687e−14 ± 1.332e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean 39.4
Std Dev 20.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

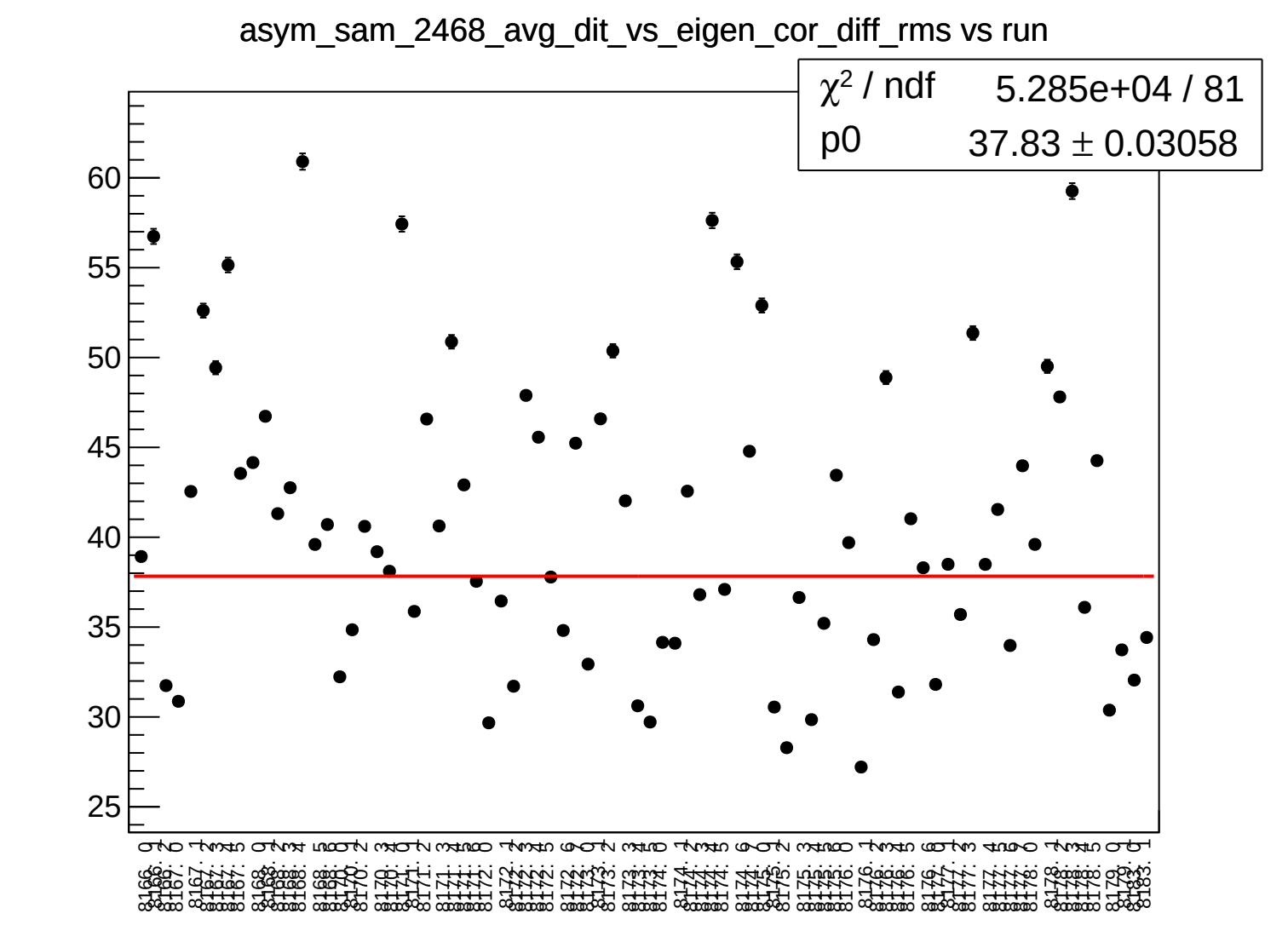

pull1D
Entries 82
Mean 0.04951
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

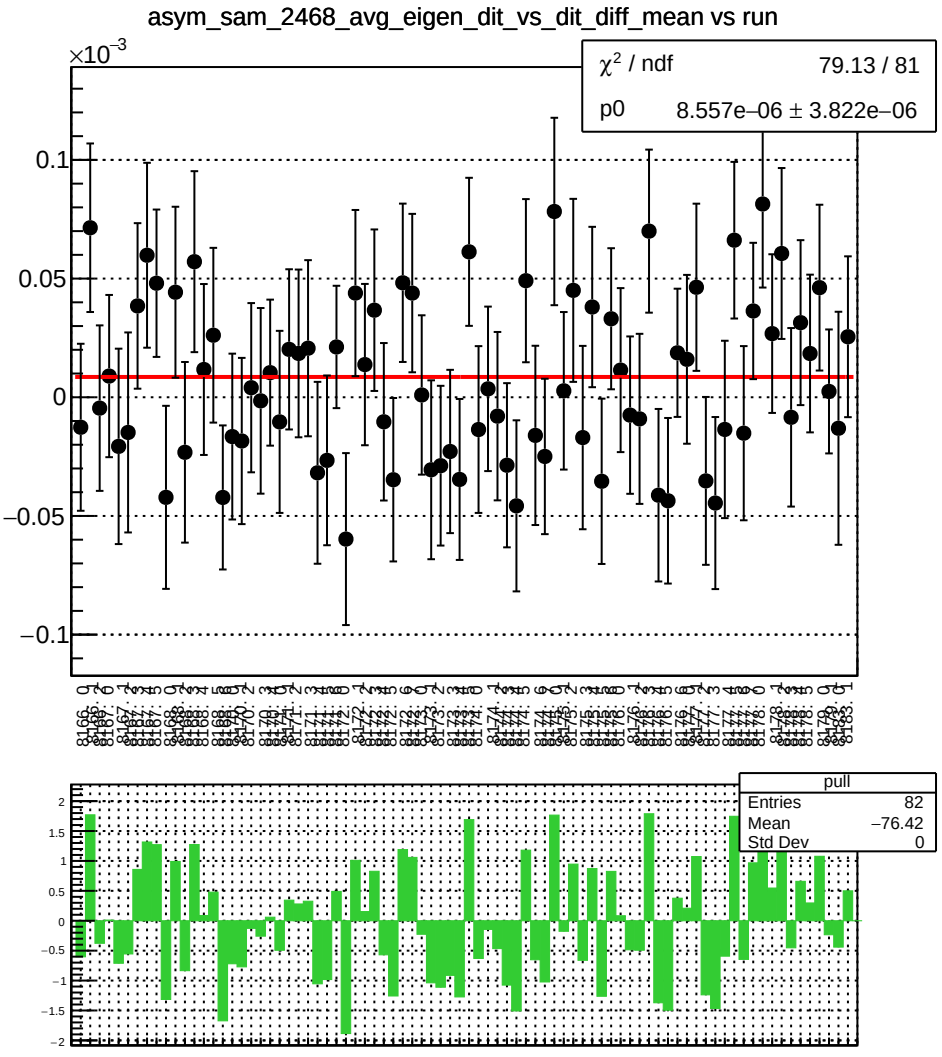

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.191e+05 / 81
p0 8.755e−11 ± 9.419e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

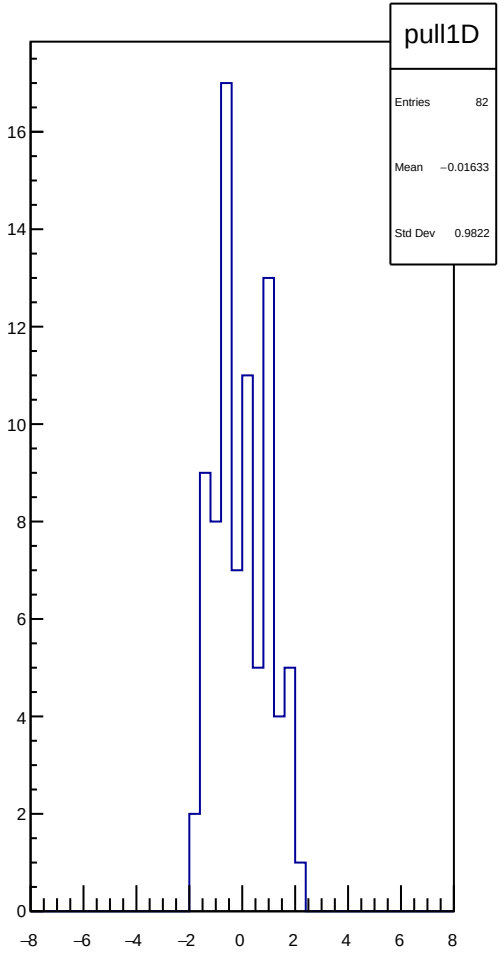

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.62 / 81
p0 −0.09458 ± 0.04325
pull
Entries 82
Mean 90.61
Std Dev 0
pull1D
Entries 82
Mean 0.01579
Std Dev 1.01

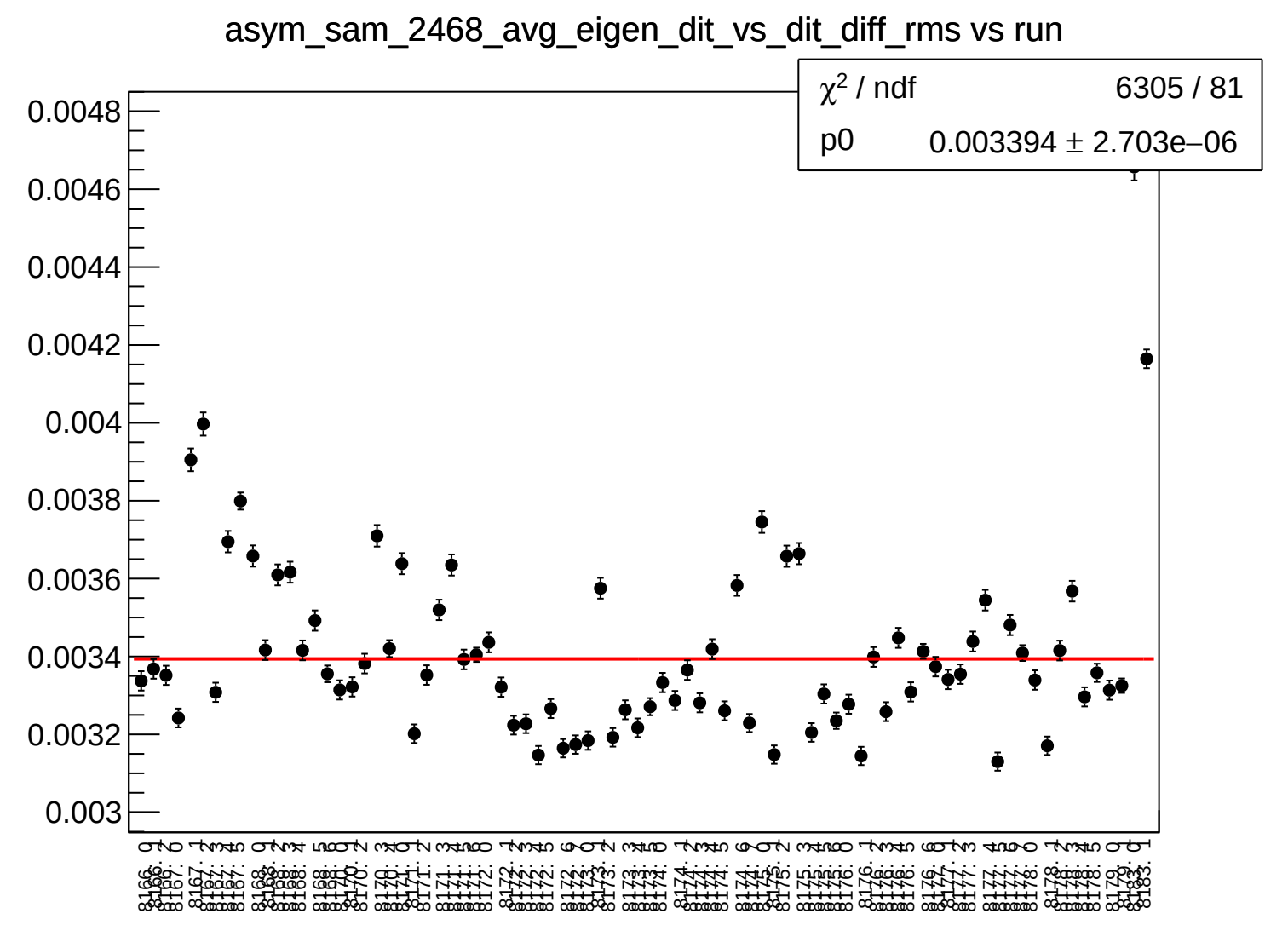

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 81
p0 37.83 ± 0.03058
60
55
50
45
40
35
30
25

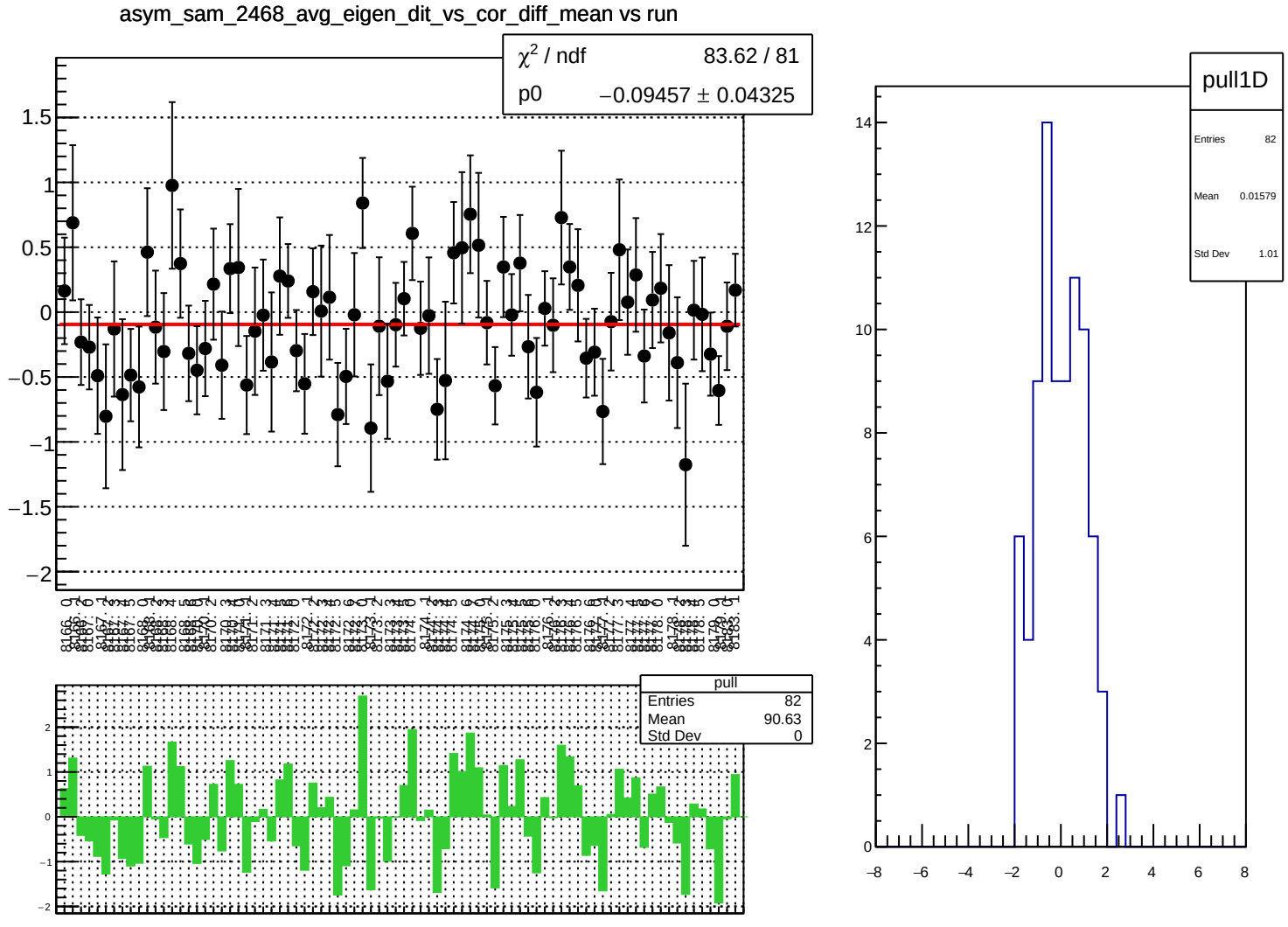

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.62 / 81
p0 −0.09458 ± 0.04325
pull
Entries 82
Mean 90.61
Std Dev 0
pull1D
Entries 82
Mean 0.01579
Std Dev 1.01

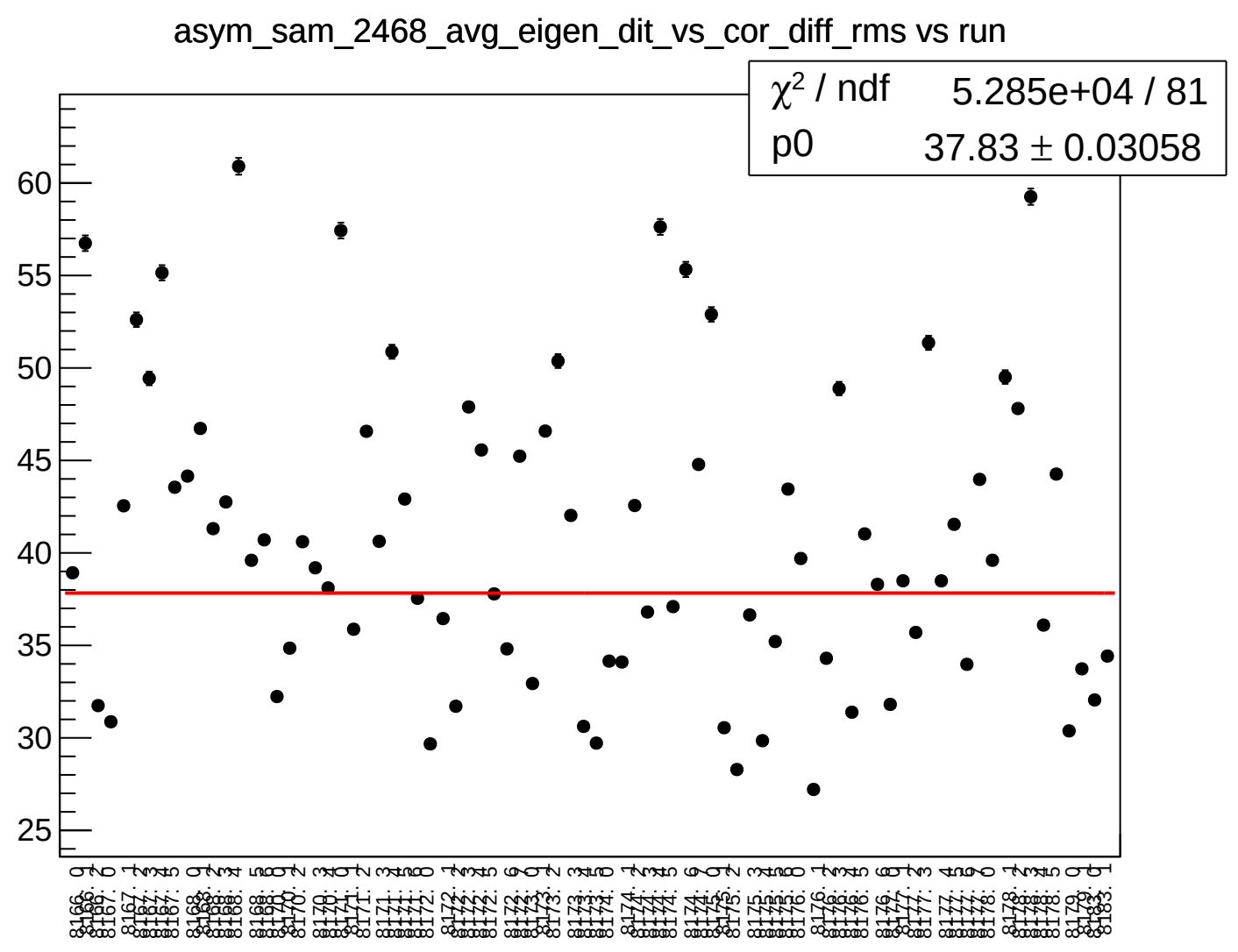

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 81
p0 37.83 ± 0.03058
60
55
50
45
40
35
30
25

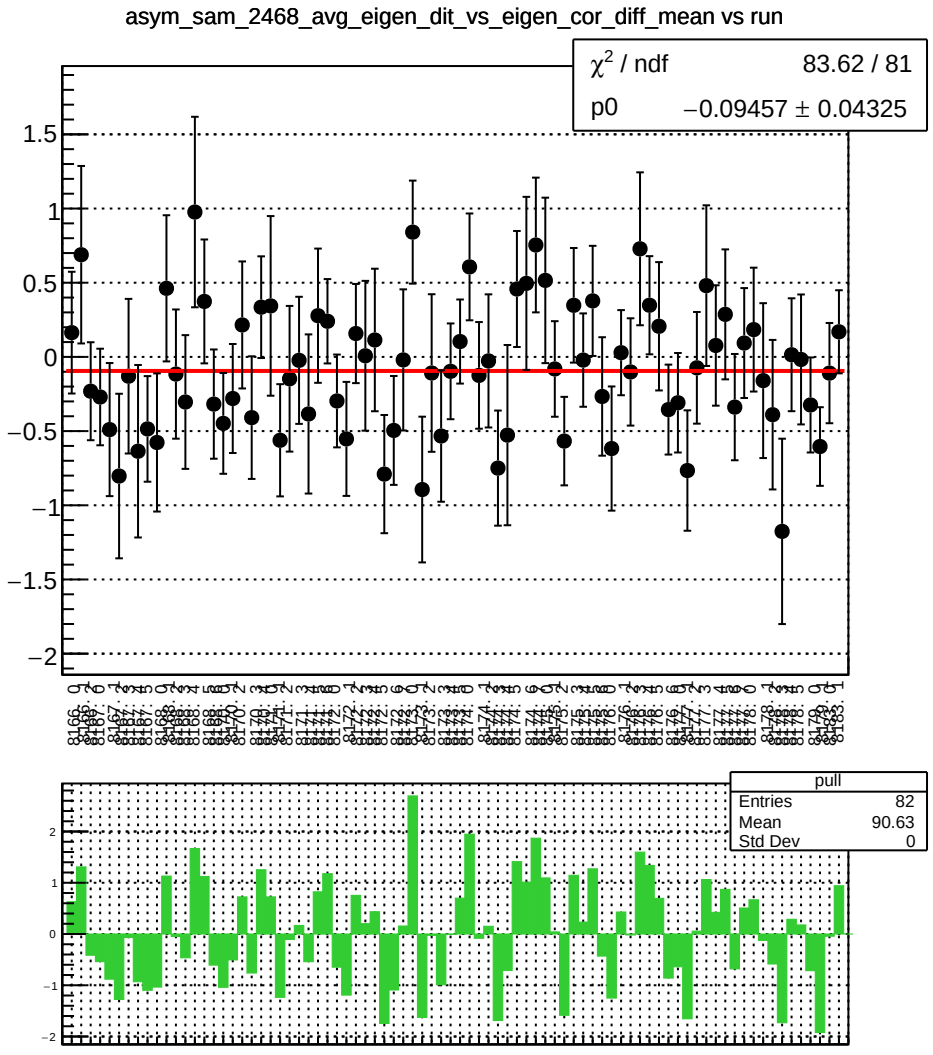

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.13 / 81
p0 8.557e−06 ± 3.822e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 82
Mean −76.42
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

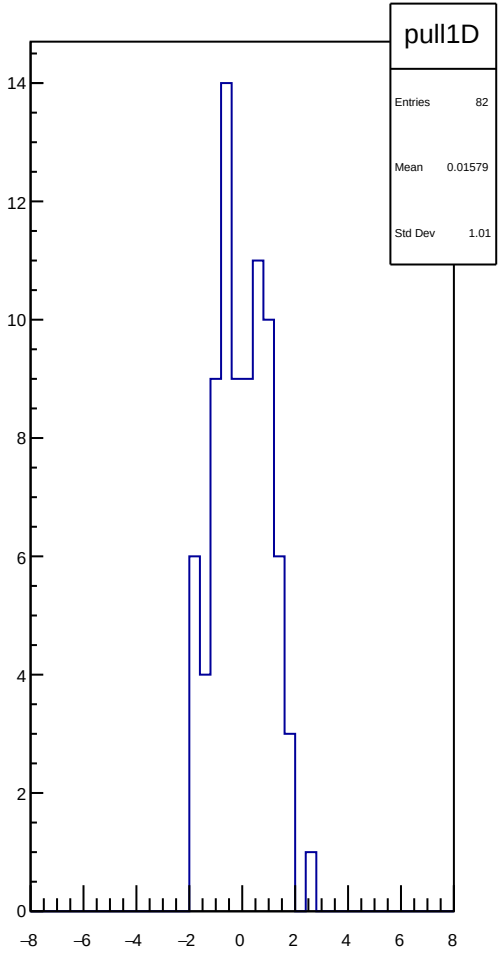

pull1D
Entries 82
Mean −0.01633
Std Dev 0.9822
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

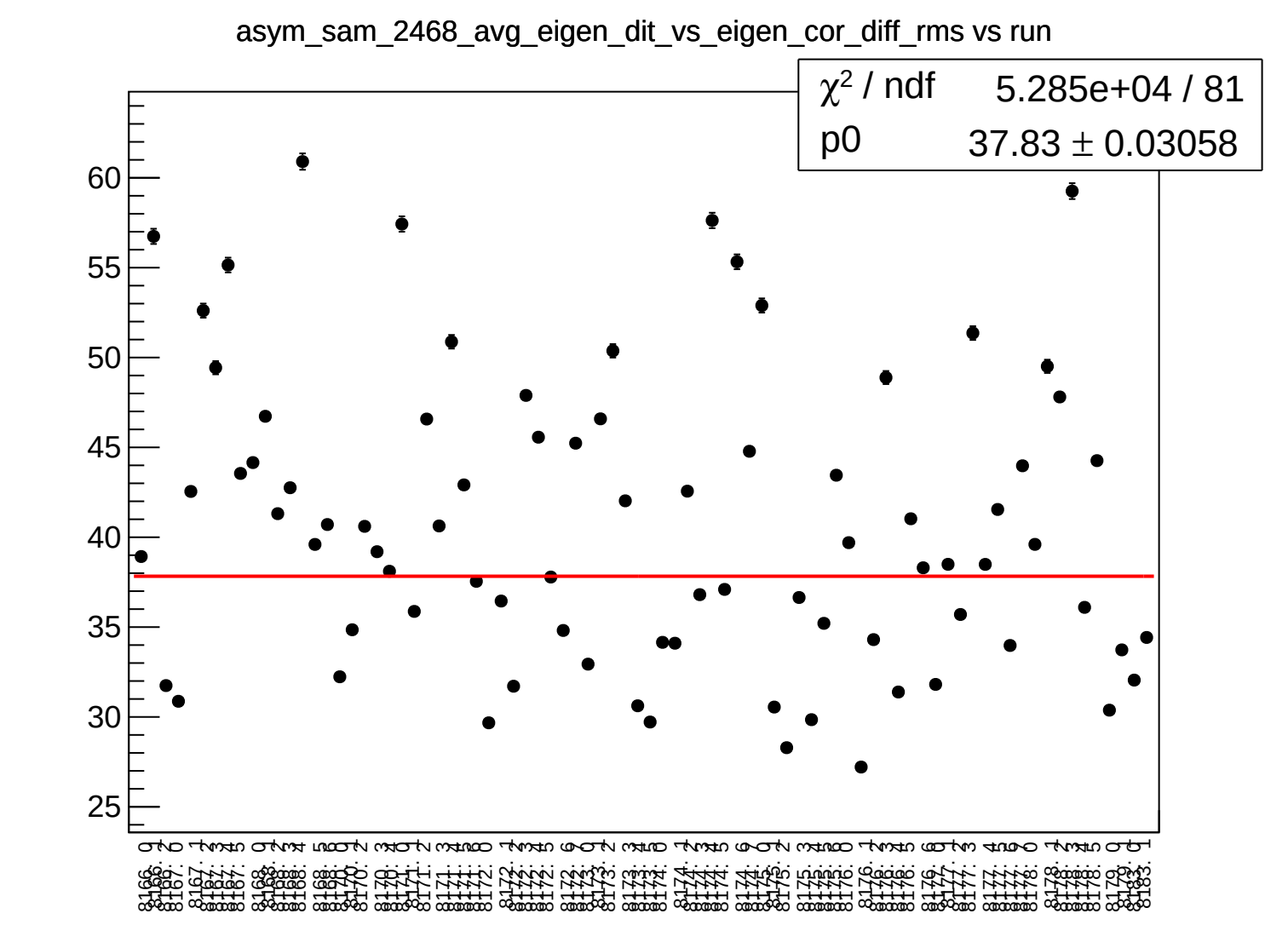

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6305 / 81
p0 0.003394 ± 2.703e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003


asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.62 / 81
p0 −0.09457 ± 0.04325
pull
Entries 82
Mean 90.63
Std Dev 0
pull1D
Entries 82
Mean 0.01579
Std Dev 1.01

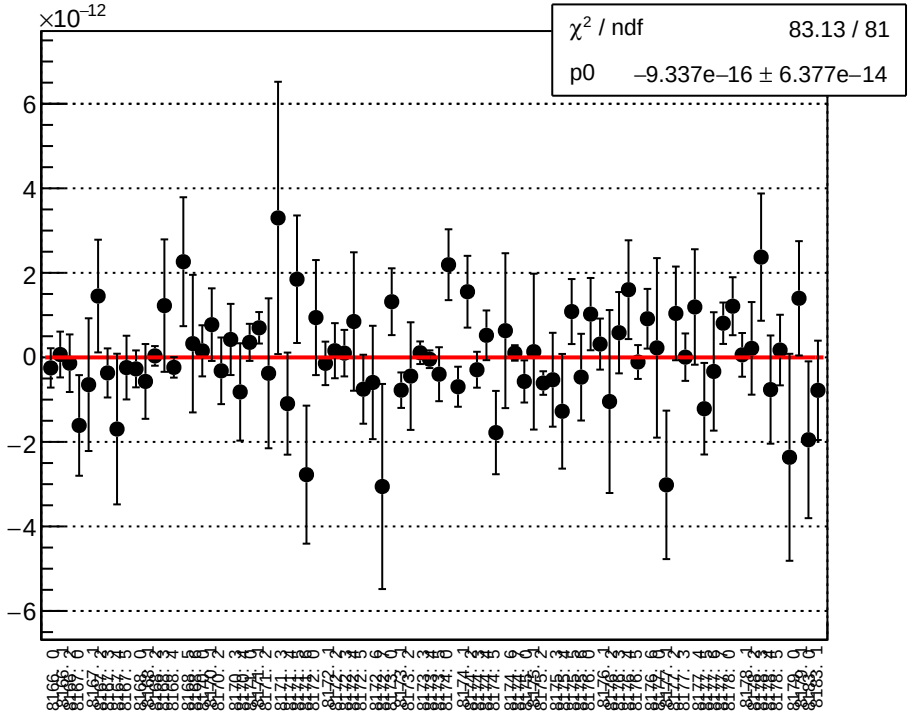

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 81
p0 37.83 ± 0.03058
60
55
50
45
40
35
30
25

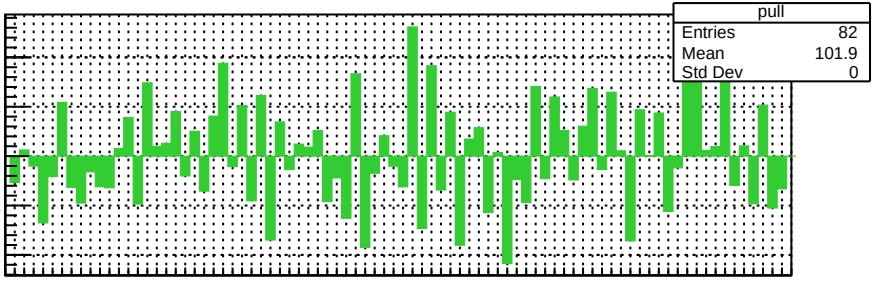

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.62 / 81
p0 −0.09457 ± 0.04325
pull
Entries 82
Mean 90.63
Std Dev 0

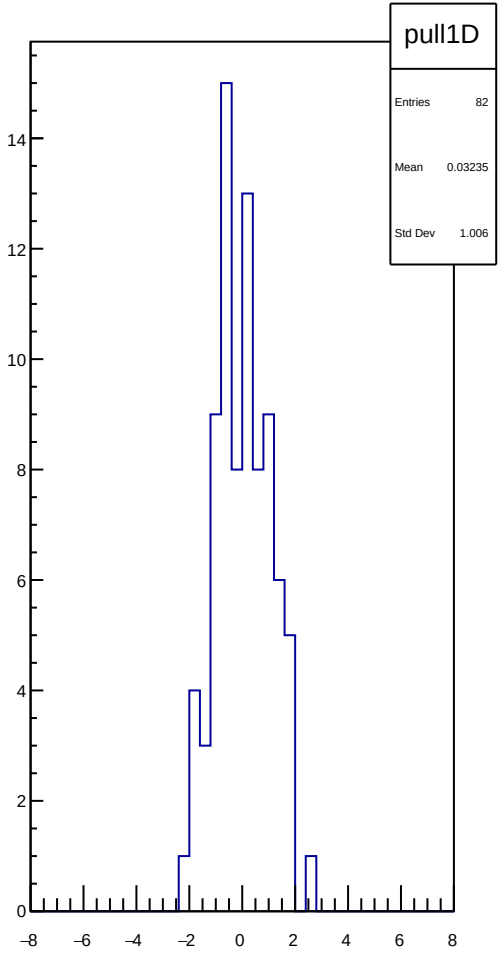

pull1D
Entries 82
Mean 0.01579
Std Dev 1.01

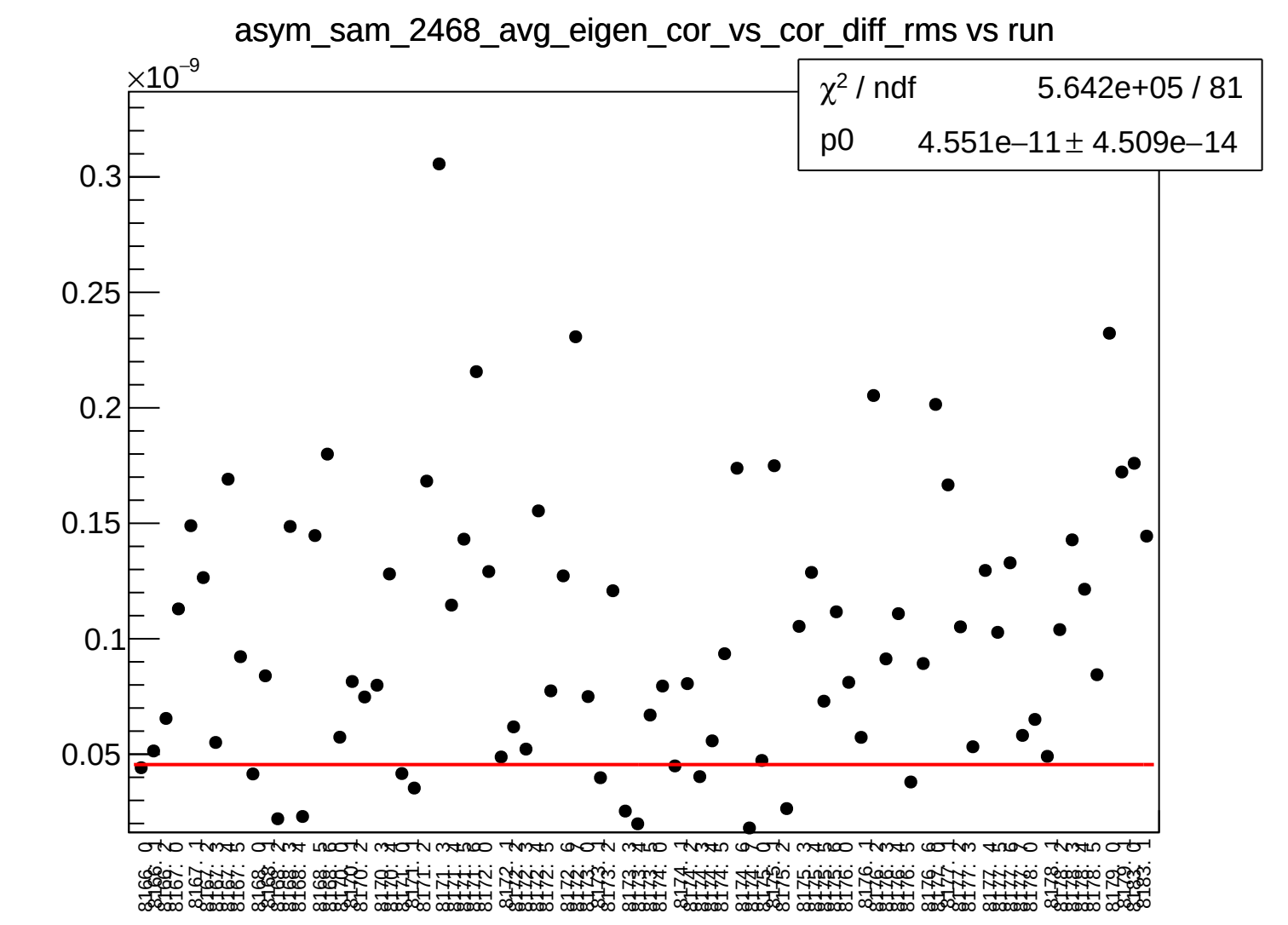

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.285e+04 / 81
p0 37.83 ± 0.03058
60
55
50
45
40
35
30
25

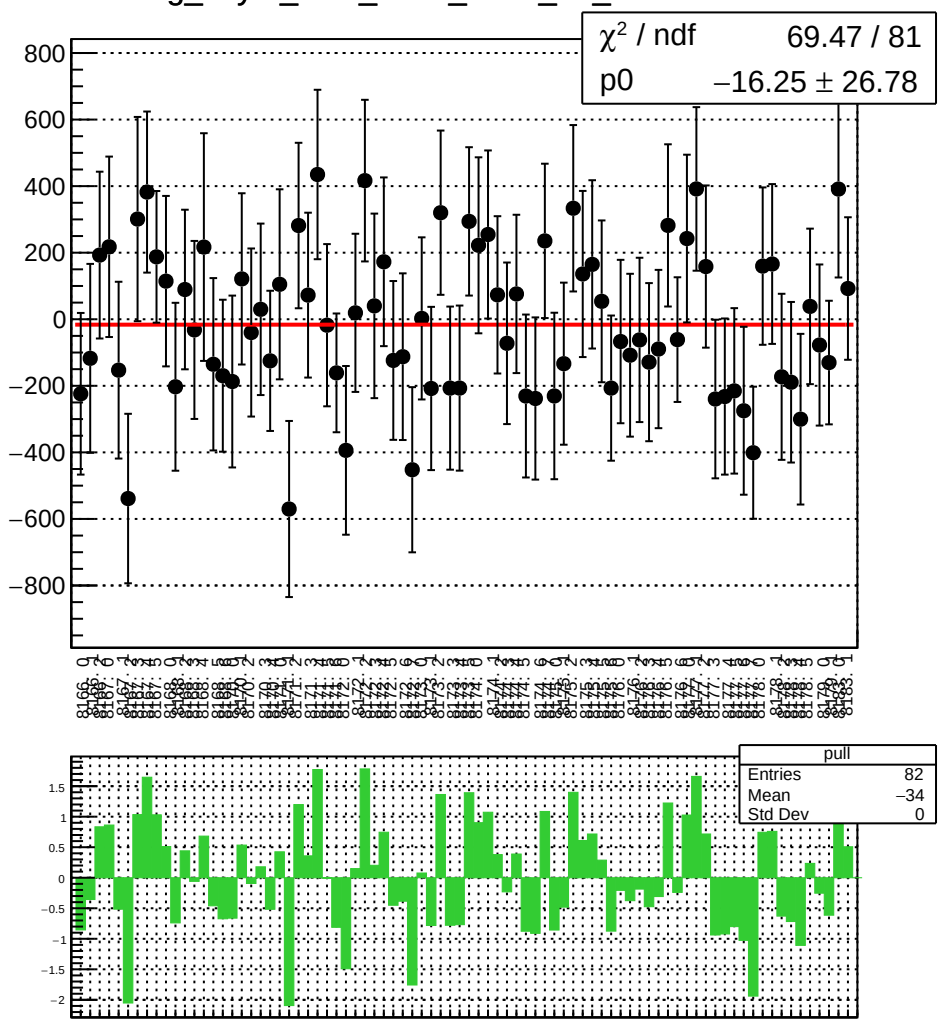
asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run

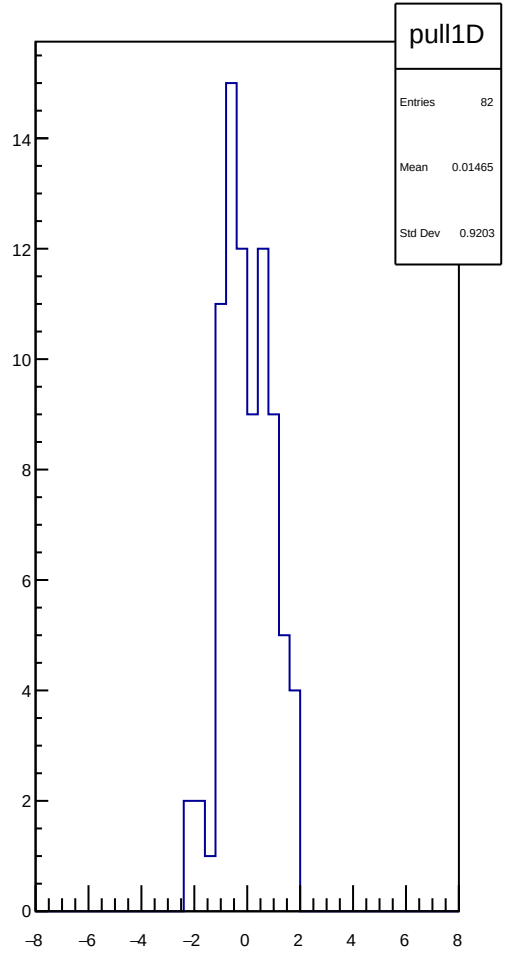


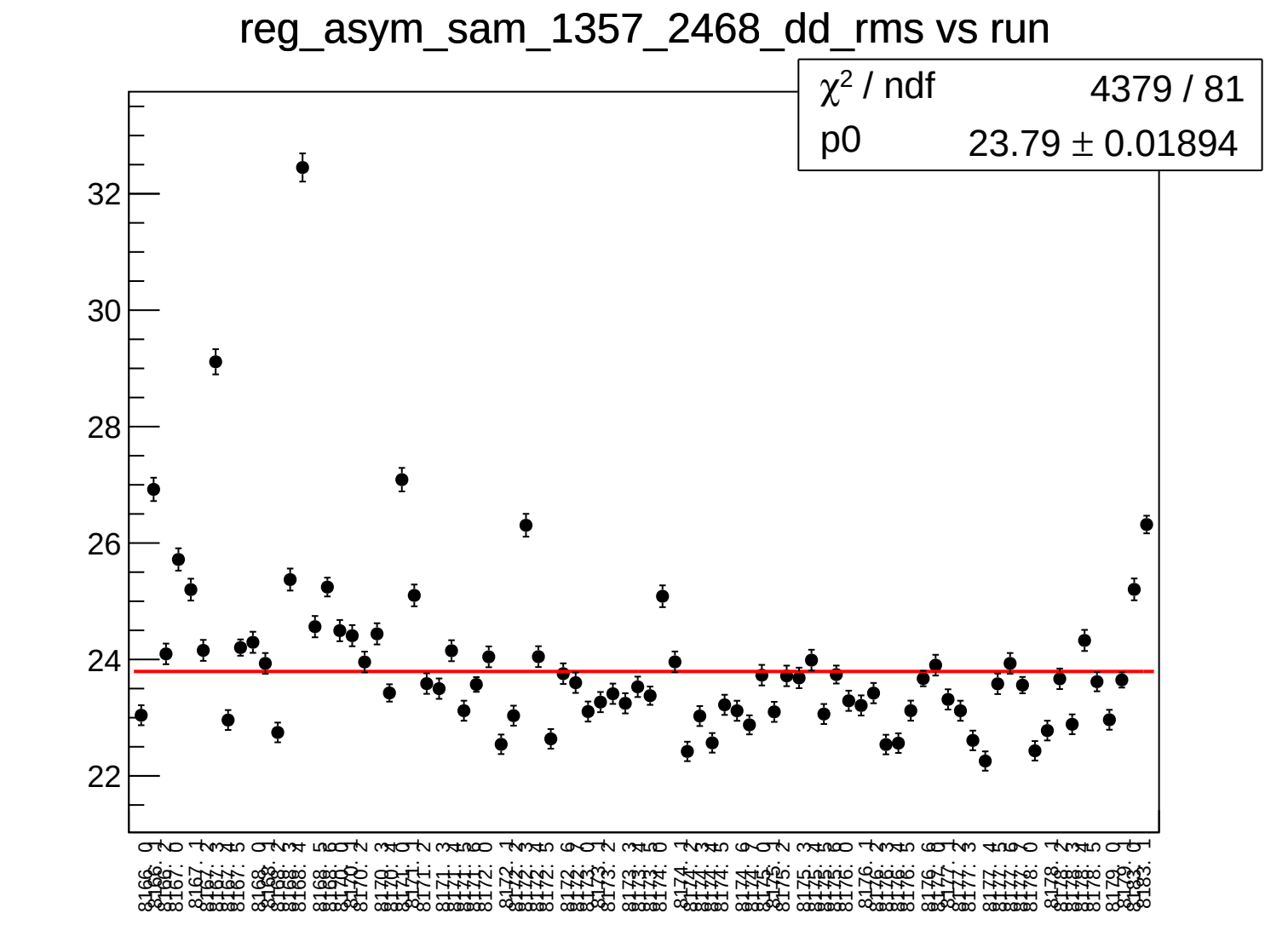


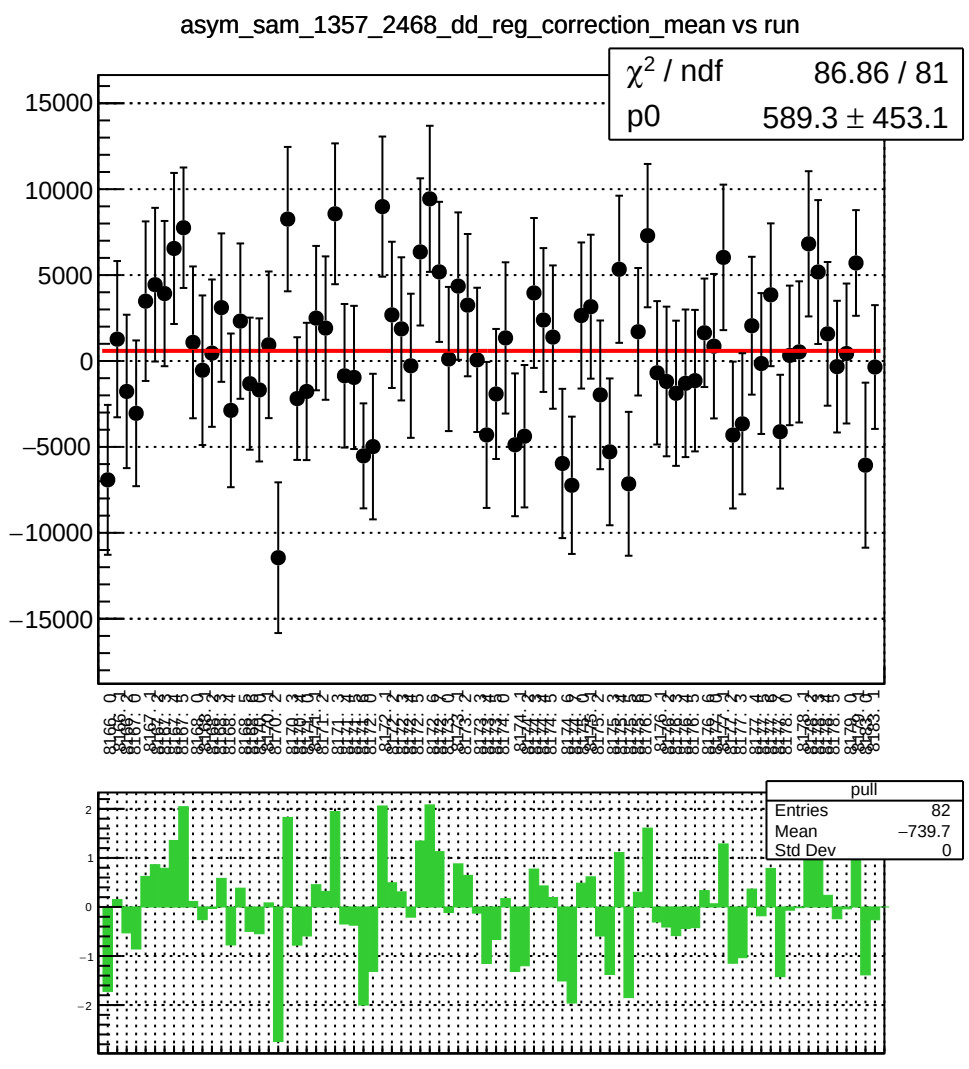


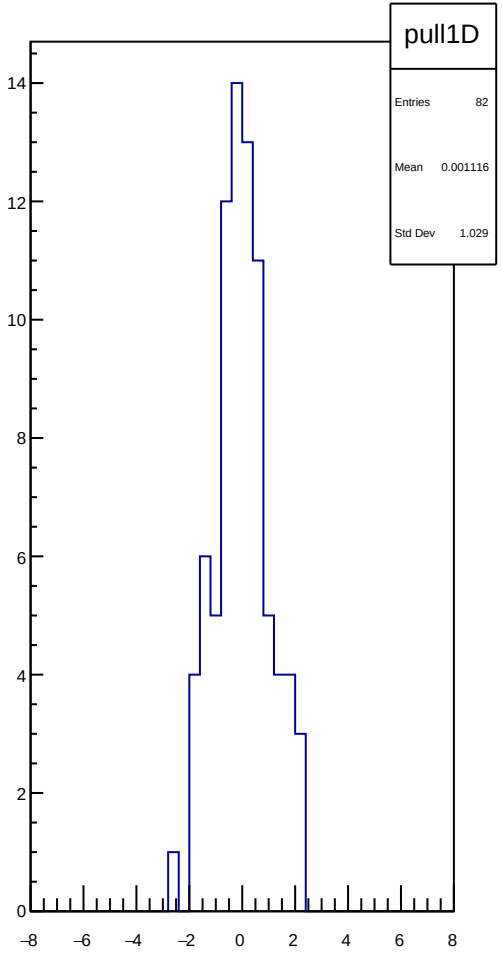

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.642e+05 / 81
p0 4.551e−11 ± 4.509e−14
0.3
0.25
0.2
0.15
0.1
0.05

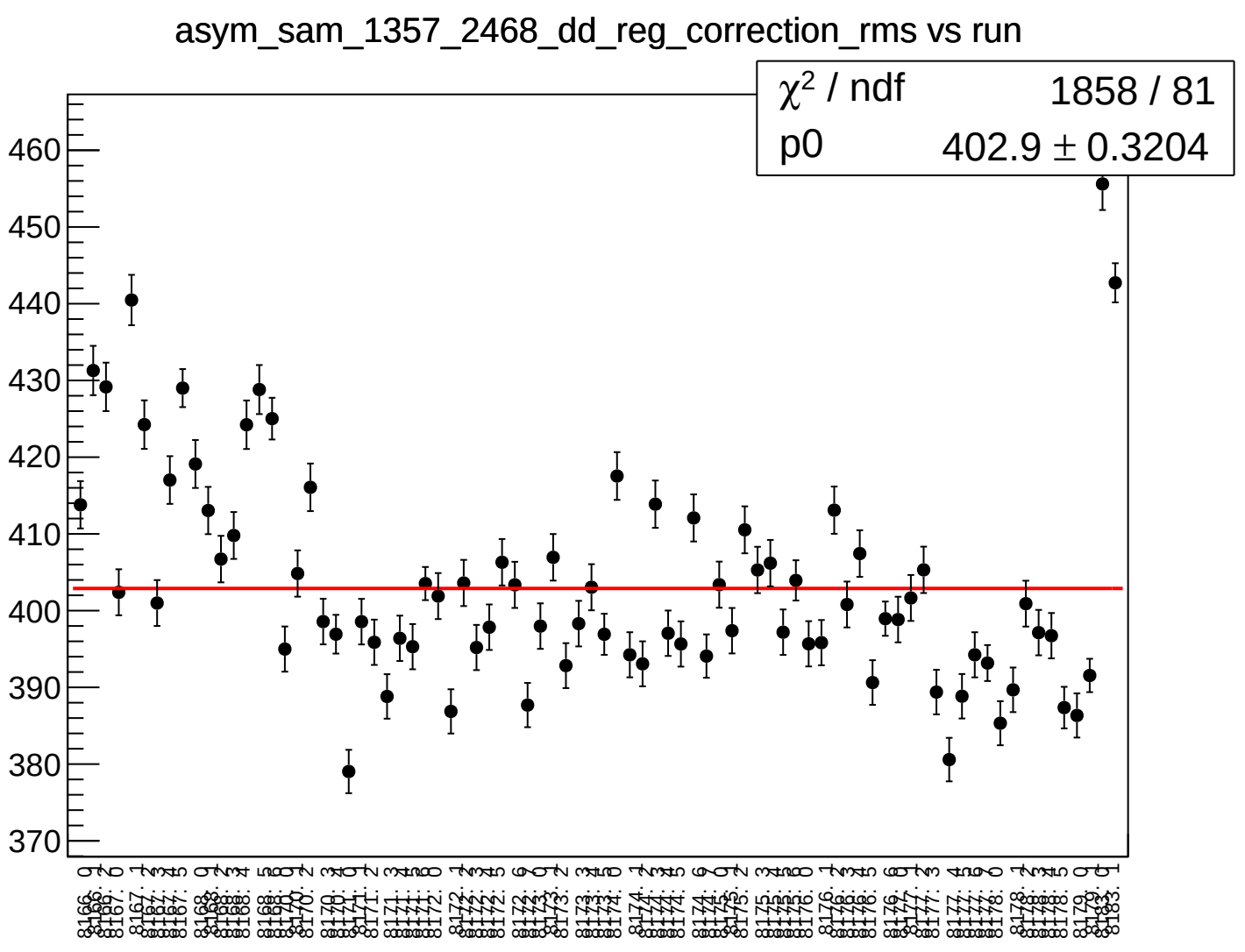

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 69.47 / 81
p0 −16.25 ± 26.78
pull
Entries 82
Mean −34
Std Dev 0

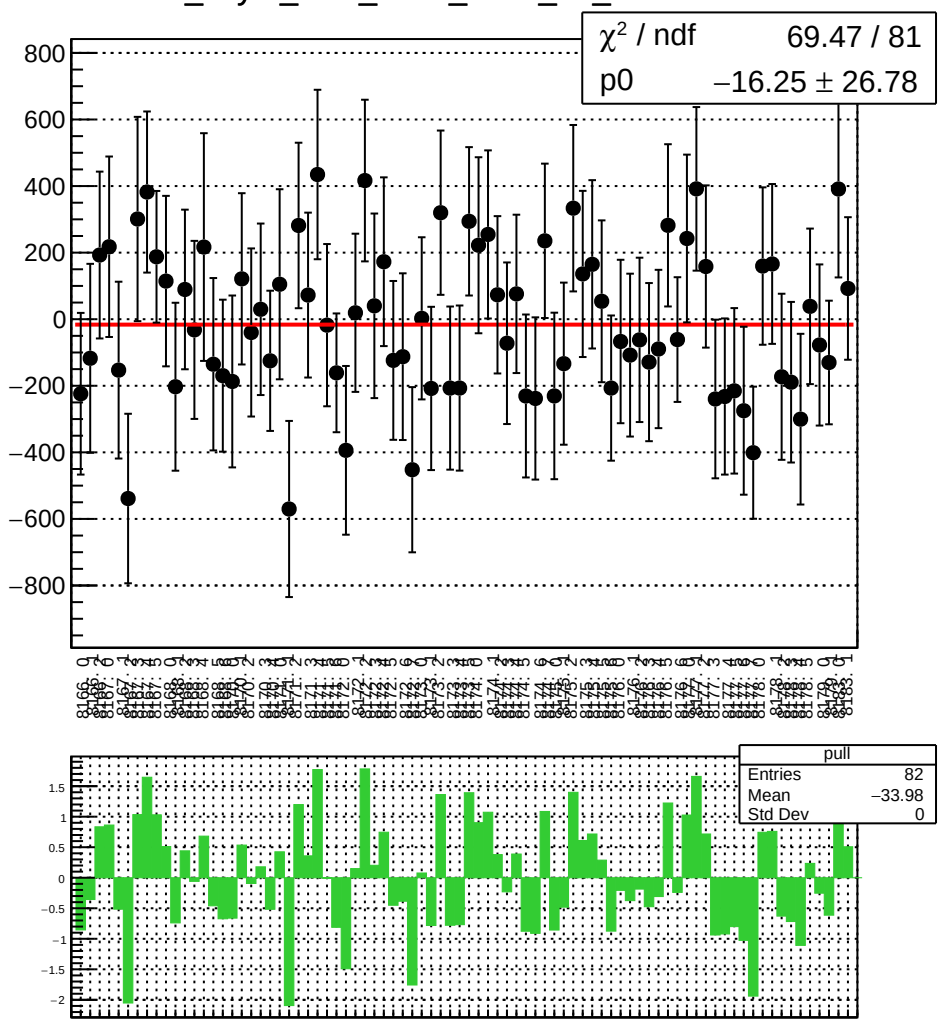

pull1D
Entries 82
Mean 0.01465
Std Dev 0.9203

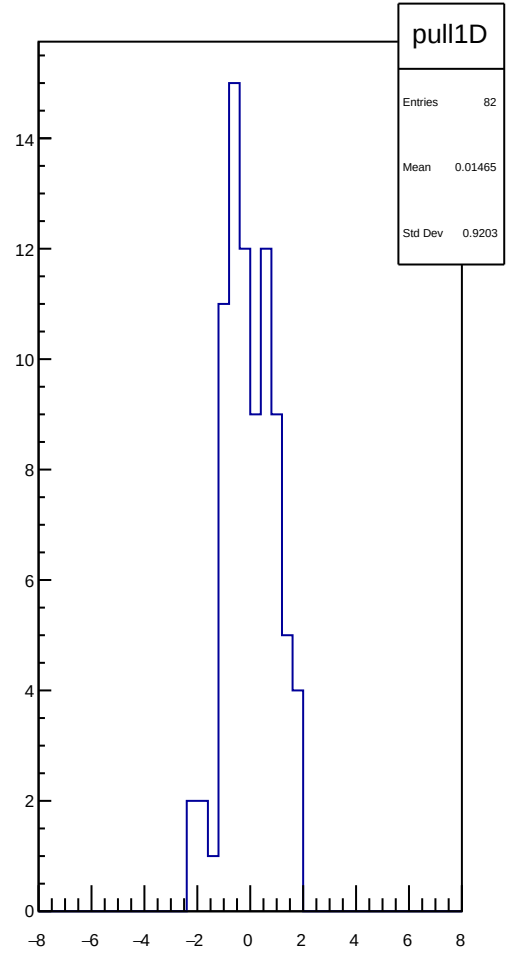

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4379 / 81
p0 23.79 ± 0.01894
32
30
28
26
24
22

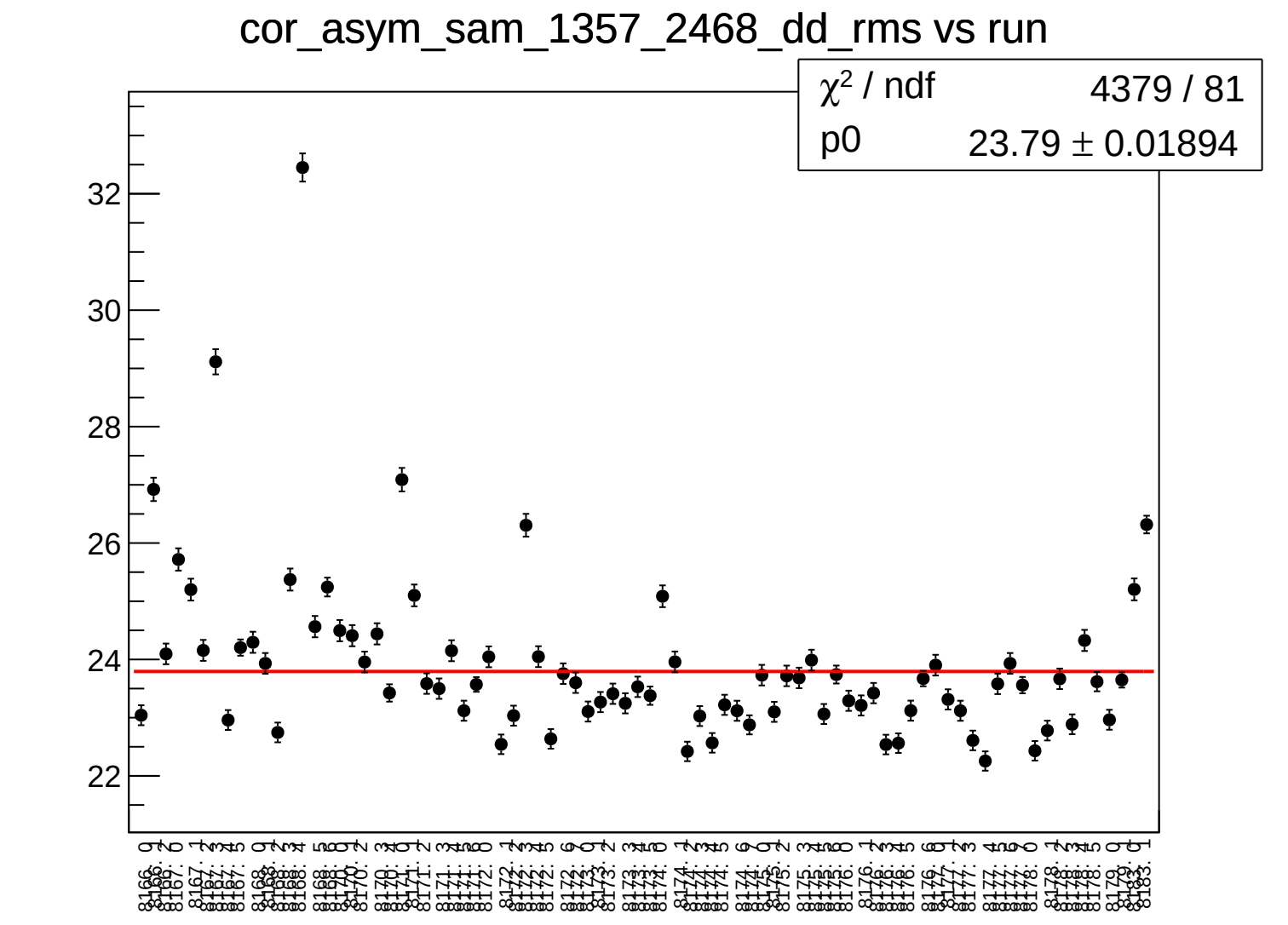

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 86.86 / 81
p0 589.3 ± 453.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −739.7
Std Dev 0
2
1
0
−1
−2

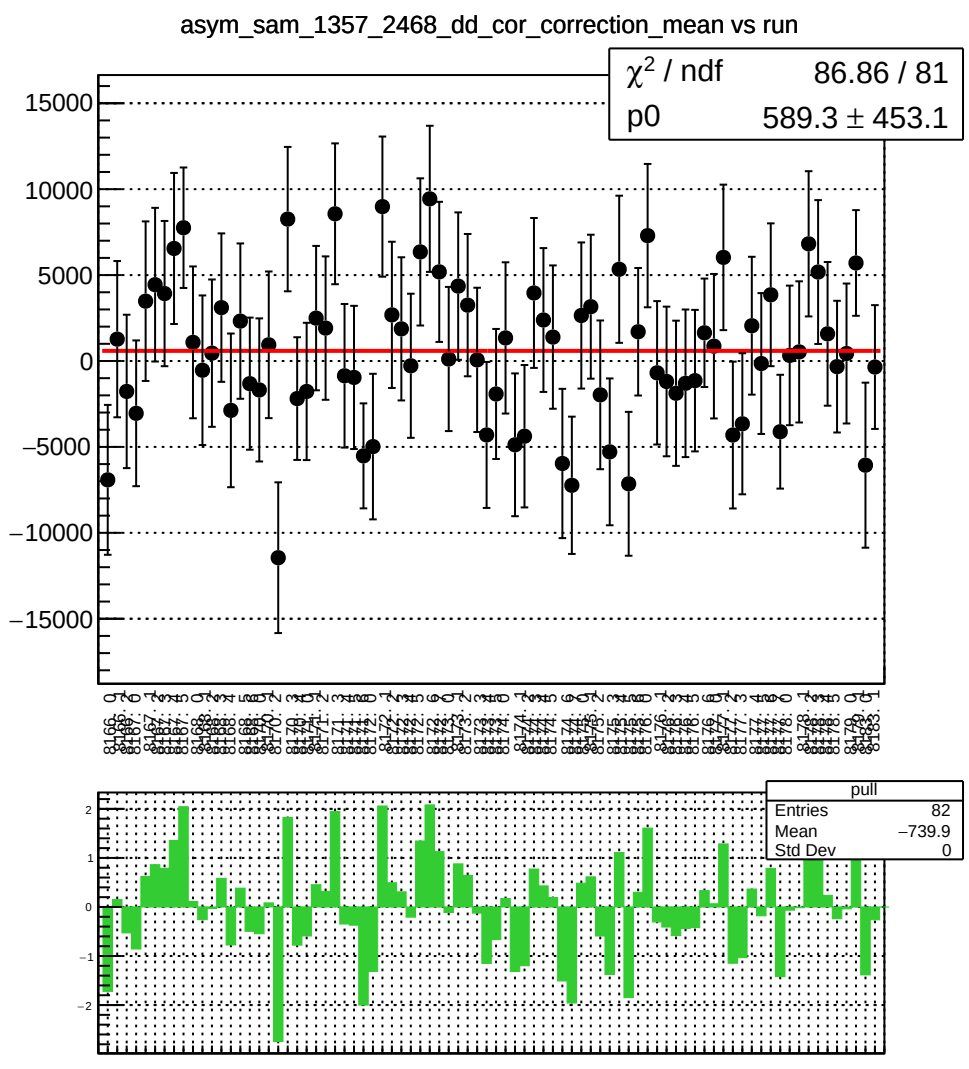

pull1D
Entries 82
Mean 0.001116
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

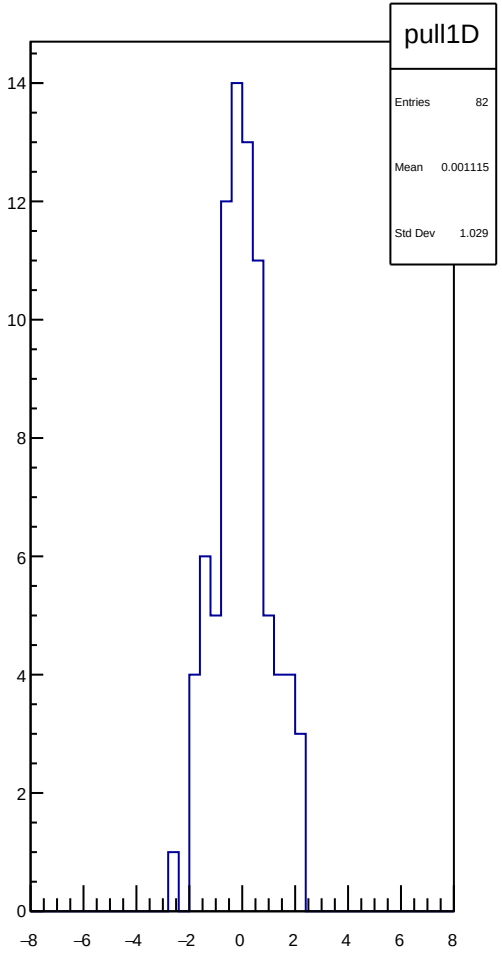

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1858 / 81
p0 402.9 ± 0.3204
460
450
440
430
420
410
400
390
380
370

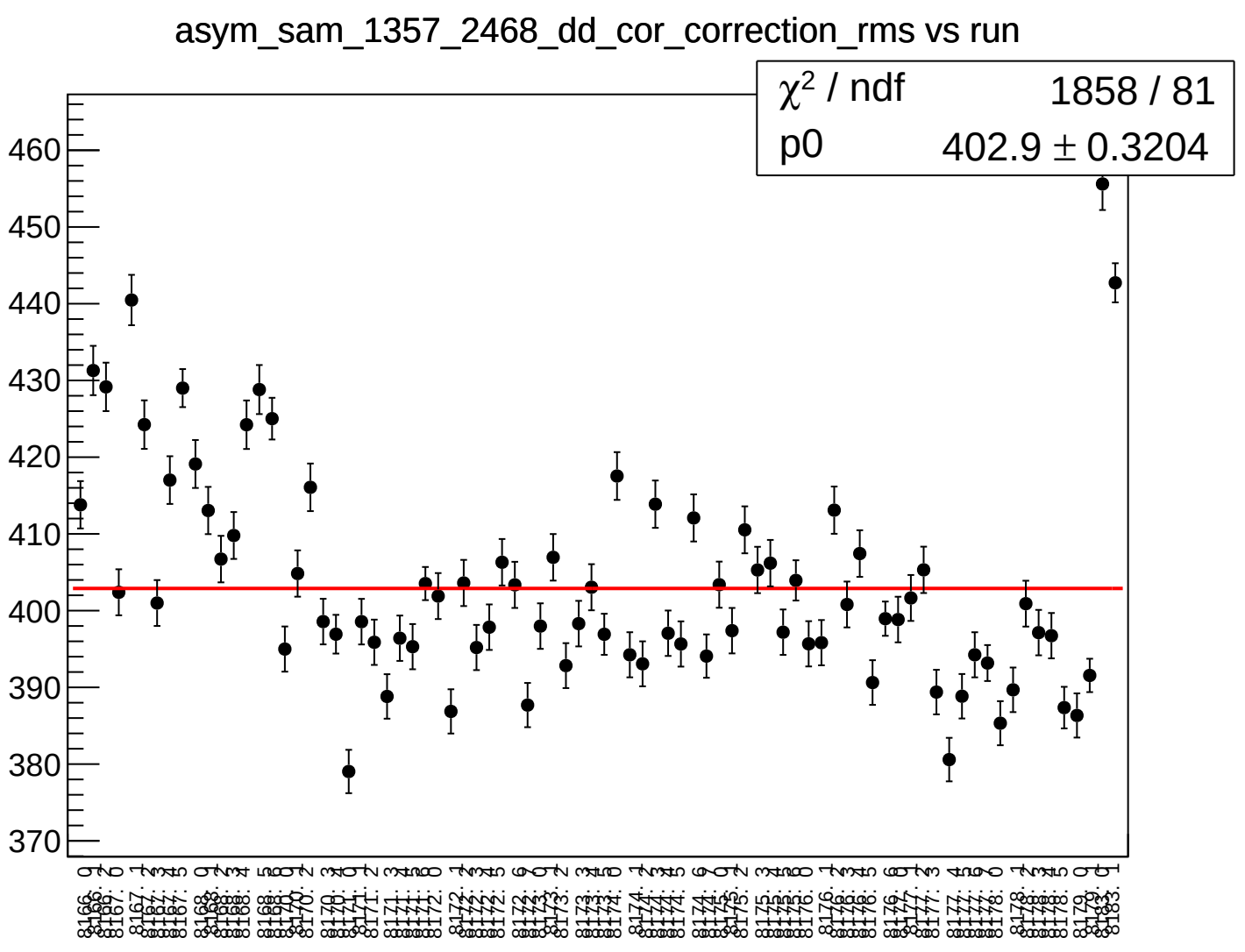

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 69.47 / 81
p0 −16.25 ± 26.78
pull
Entries 82
Mean −33.98
Std Dev 0

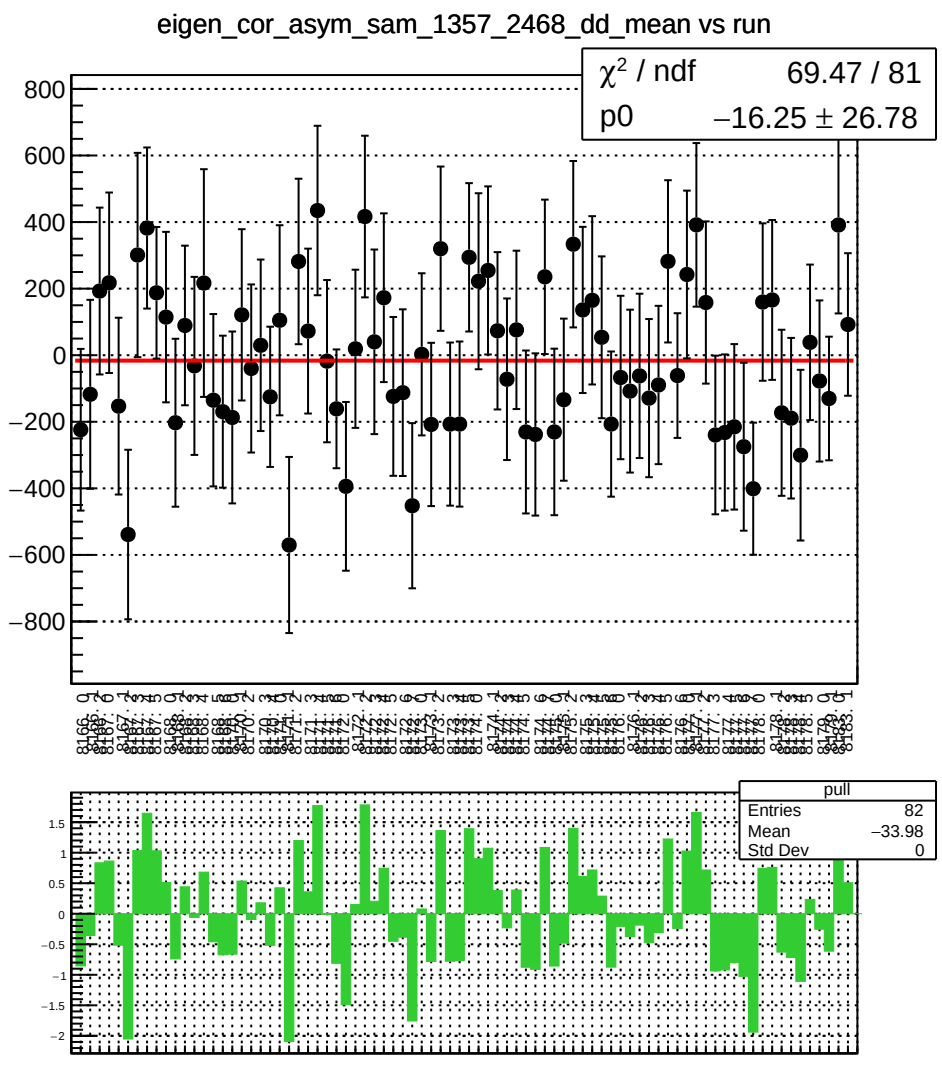

pull1D
Entries 82
Mean 0.01465
Std Dev 0.9203

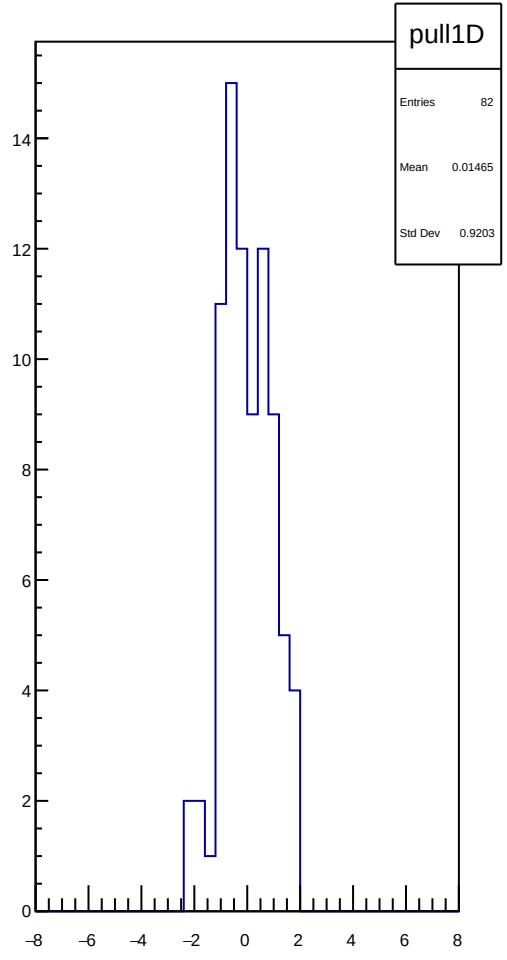

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4379 / 81
p0 23.79 ± 0.01894
32
30
28
26
24
22

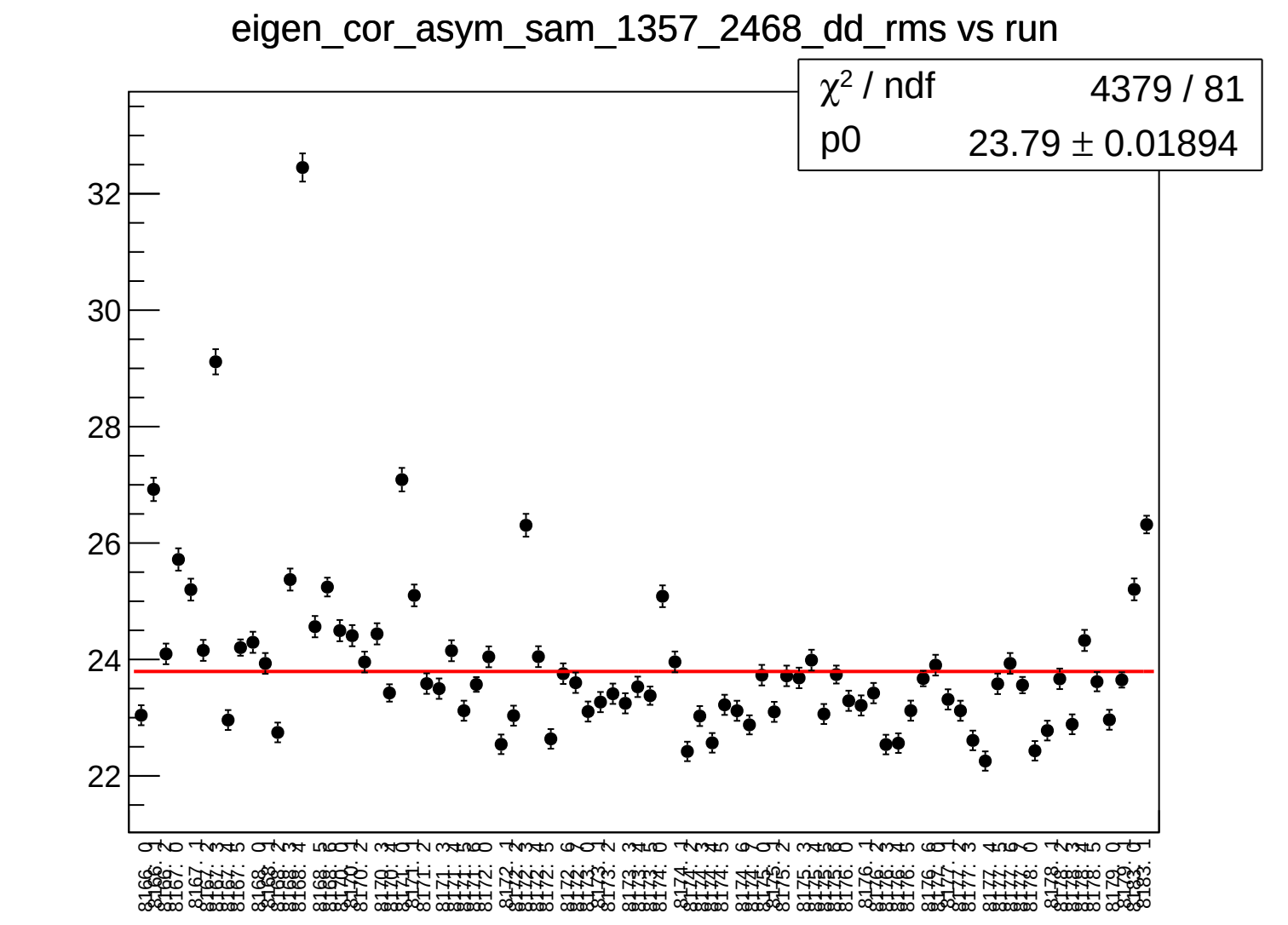

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 86.86 / 81
p0 589.3 ± 453.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −739.9
Std Dev 0
2
1
0
−1
−2

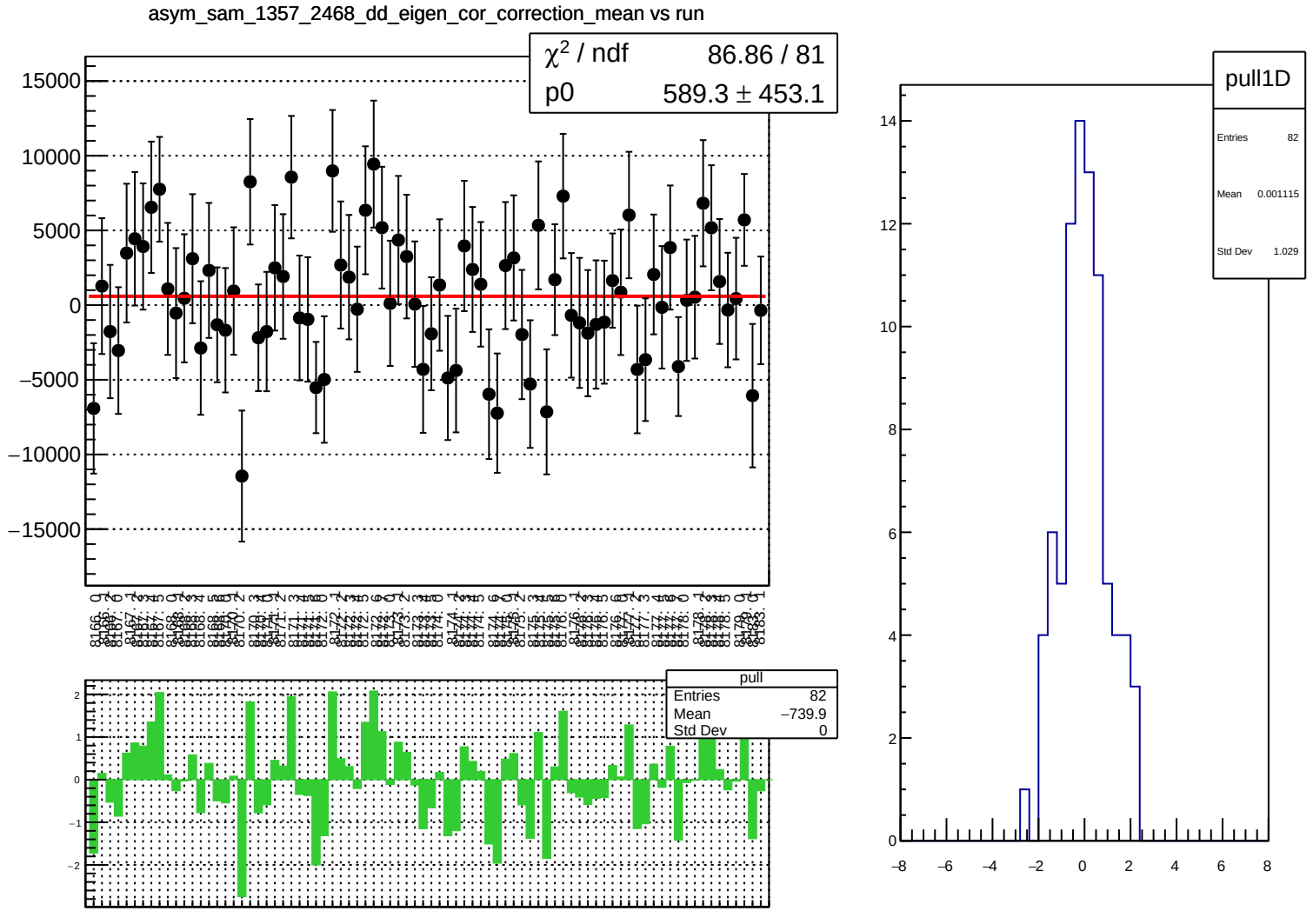

pull1D
Entries 82
Mean 0.001115
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

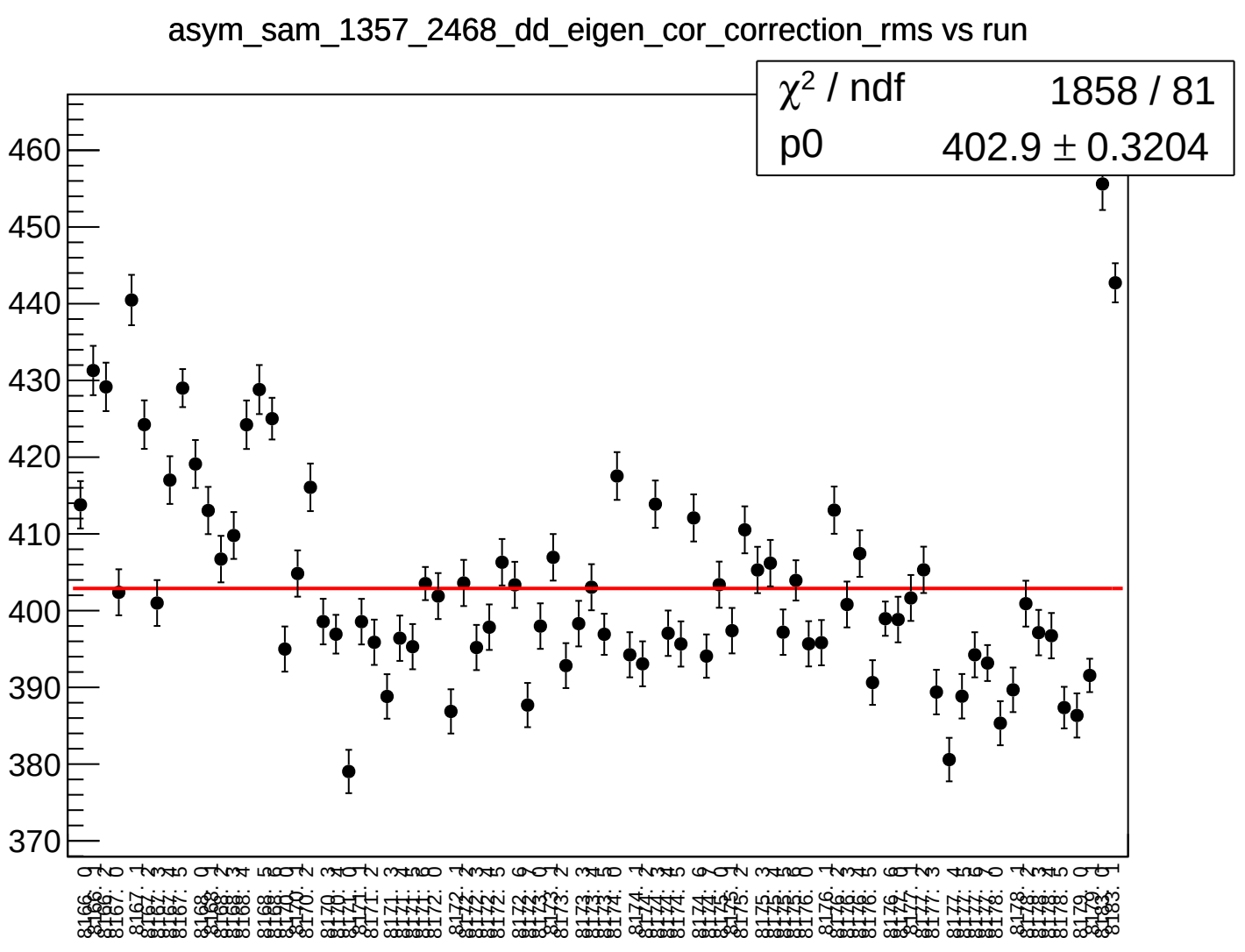

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1858 / 81
p0 402.9 ± 0.3204
460
450
440
430
420
410
400
390
380
370

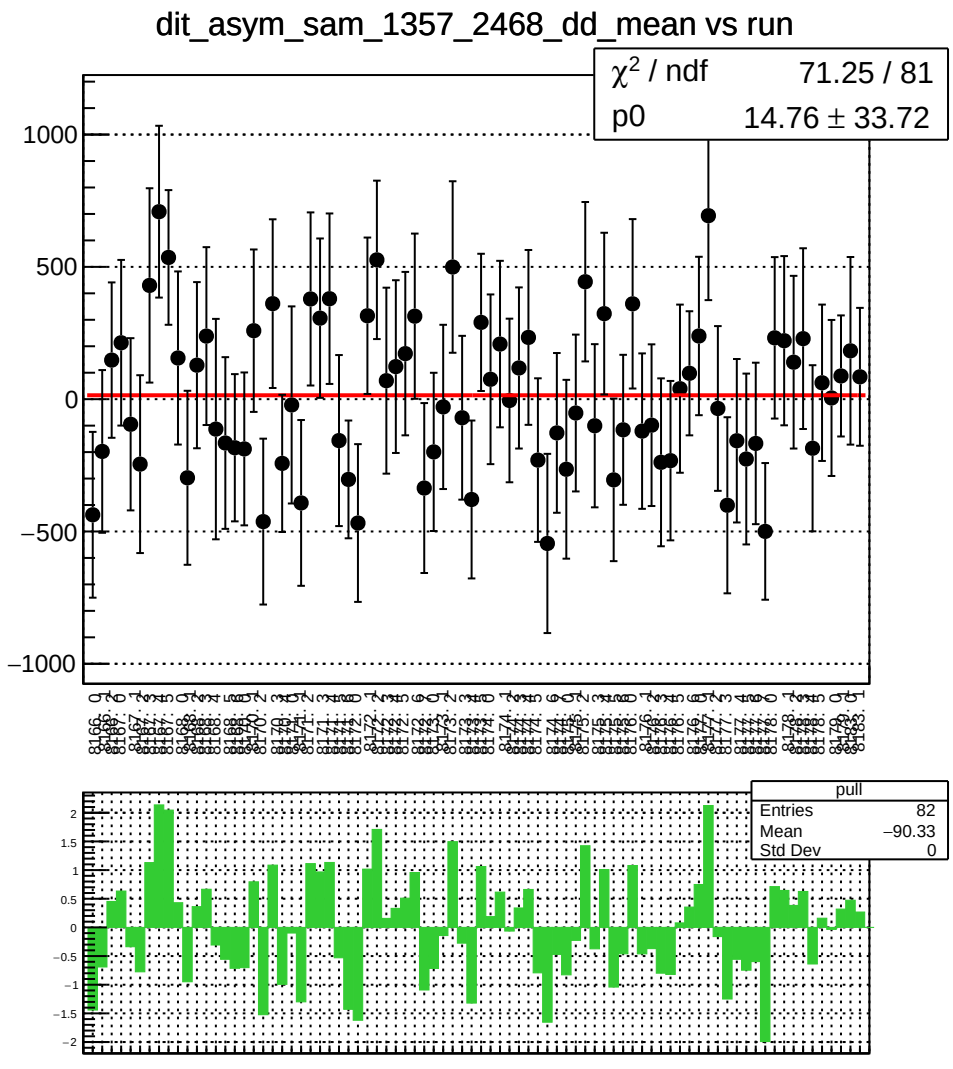

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 69.47 / 81
p0 −16.25 ± 26.78
pull
Entries 82
Mean −33.98
Std Dev 0

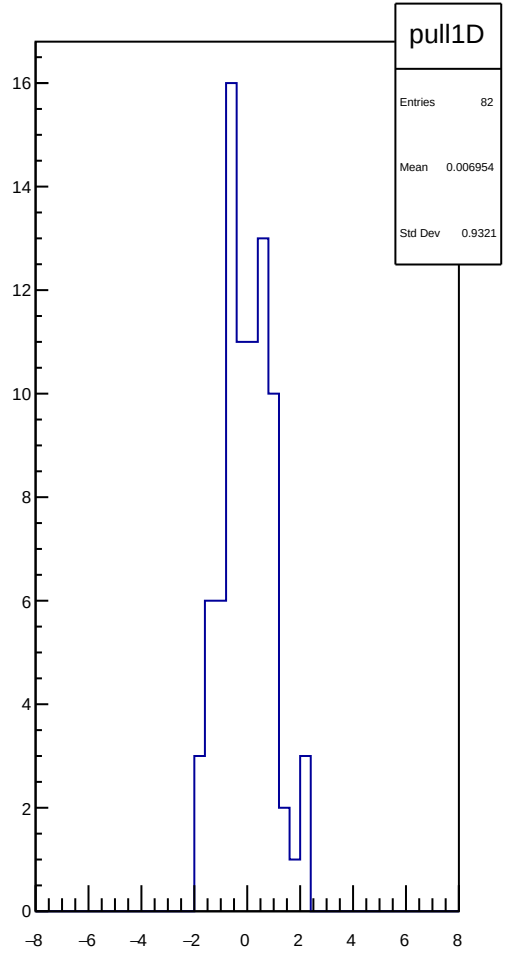

pull1D
Entries 82
Mean 0.01465
Std Dev 0.9203


eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4379 / 81
p0 23.79 ± 0.01894
32
30
28
26
24
22


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 86.86 / 81
p0 589.3 ± 453.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −739.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.001115
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1858 / 81
p0 402.9 ± 0.3204
460
450
440
430
420
410
400
390
380
370


dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 71.25 / 81
p0 14.76 ± 33.72
1000
500
0
−500
−1000
pull
Entries 82
Mean −90.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 82
Mean 0.006954
Std Dev 0.9321
16
14
12
10
8
6
4
2
0
−8
−6
−4
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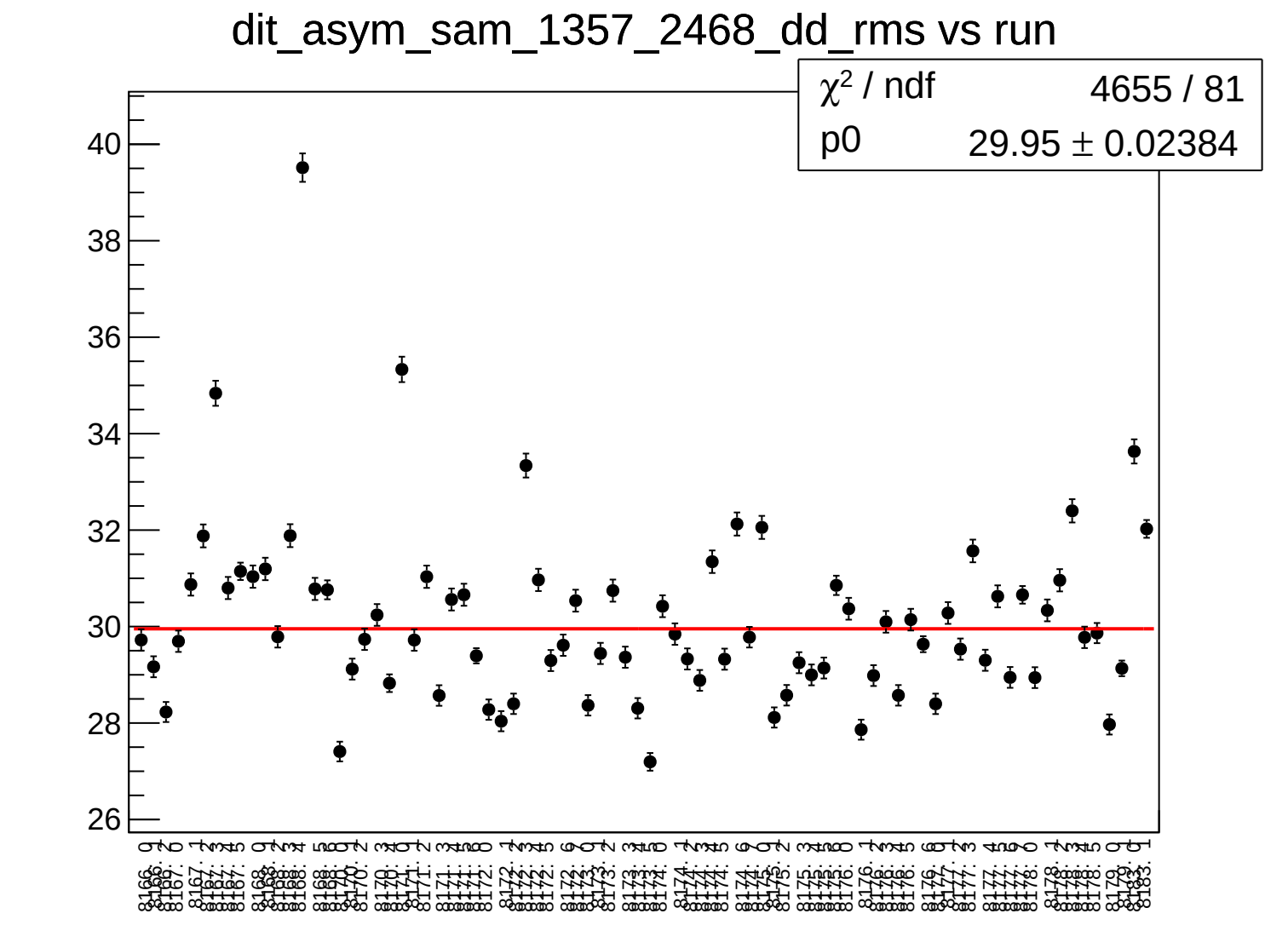
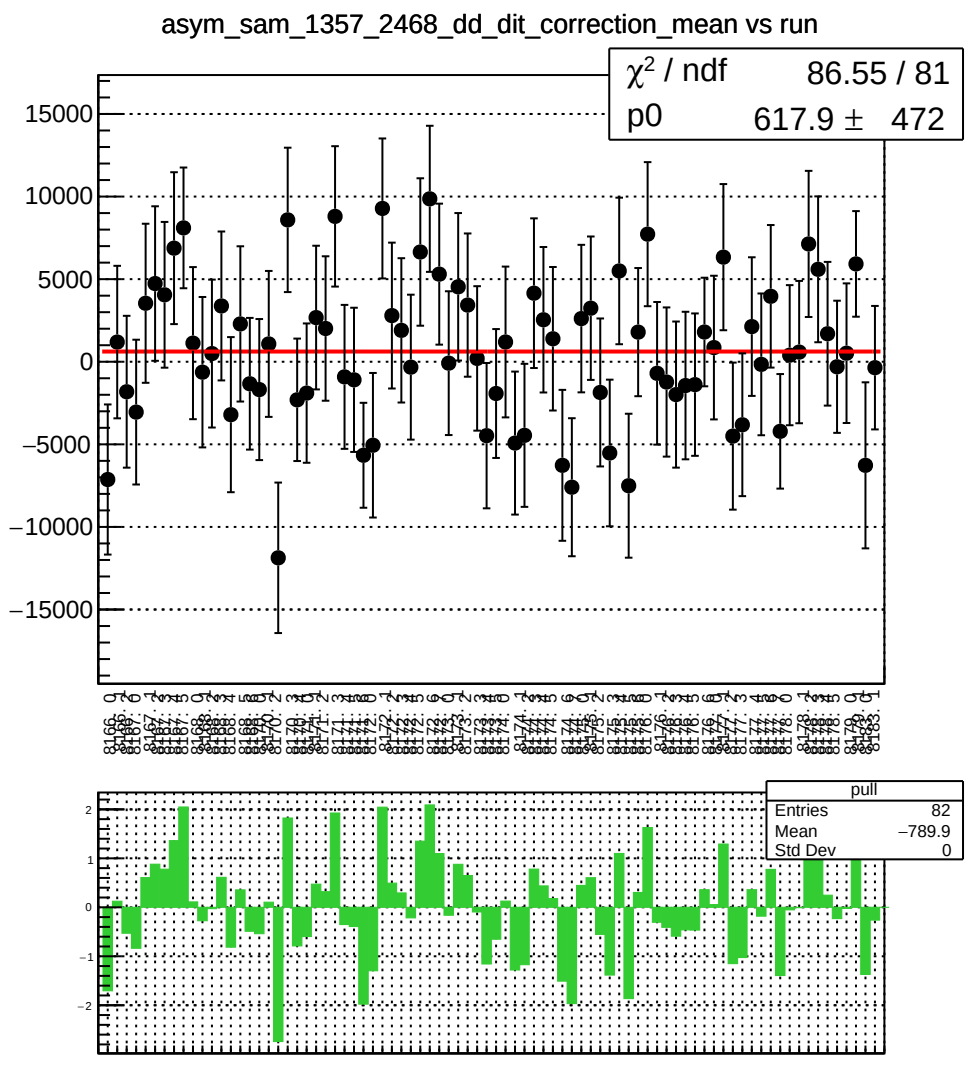
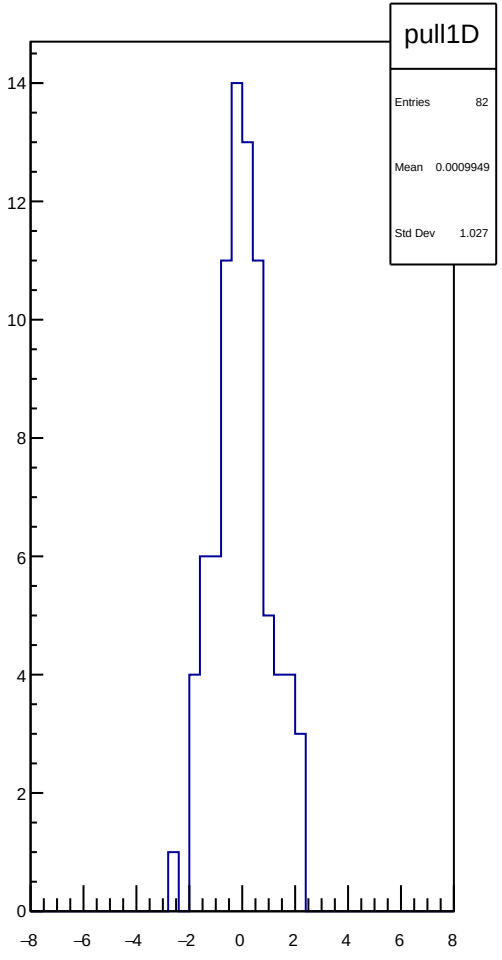
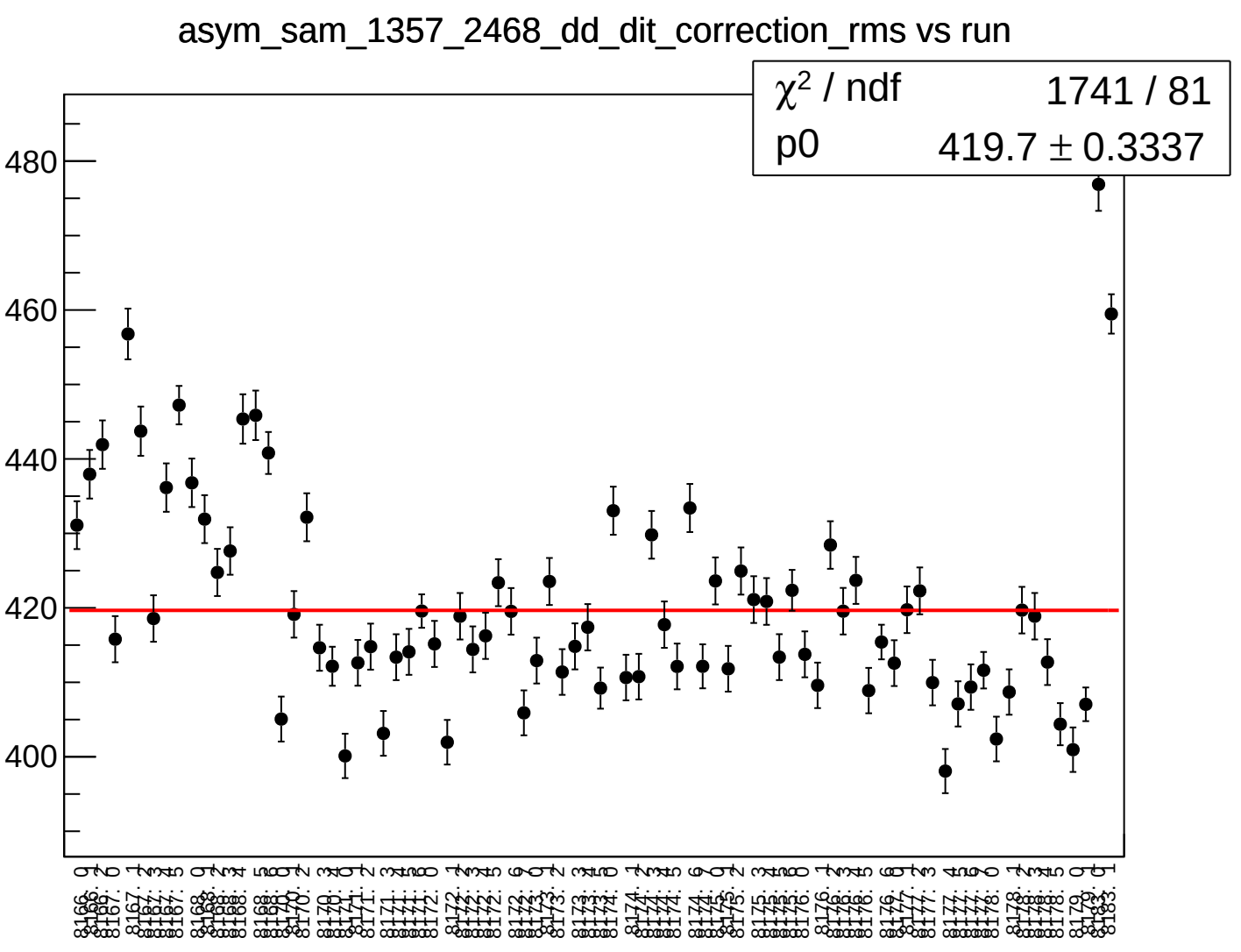
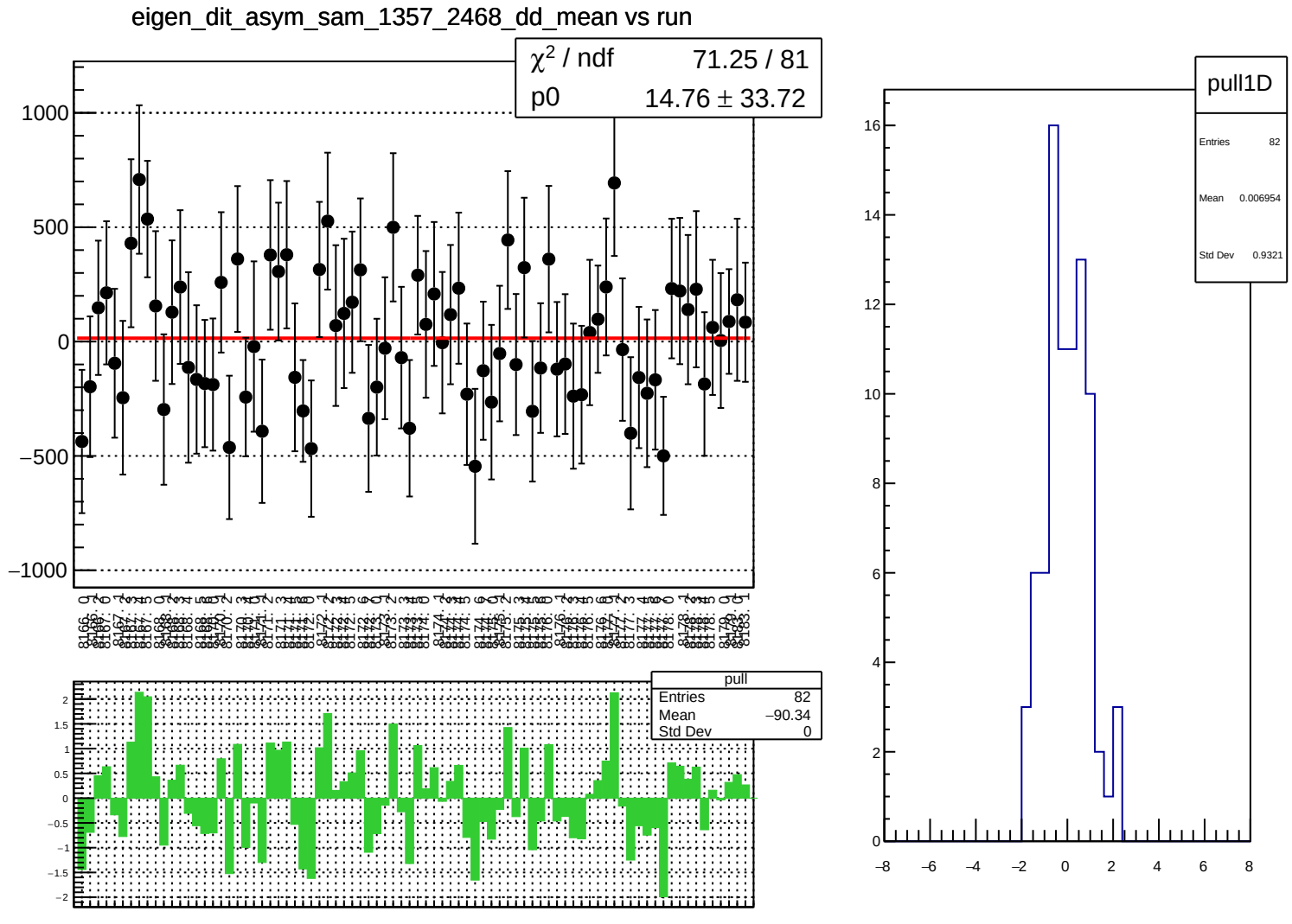
0
2
4
6
8

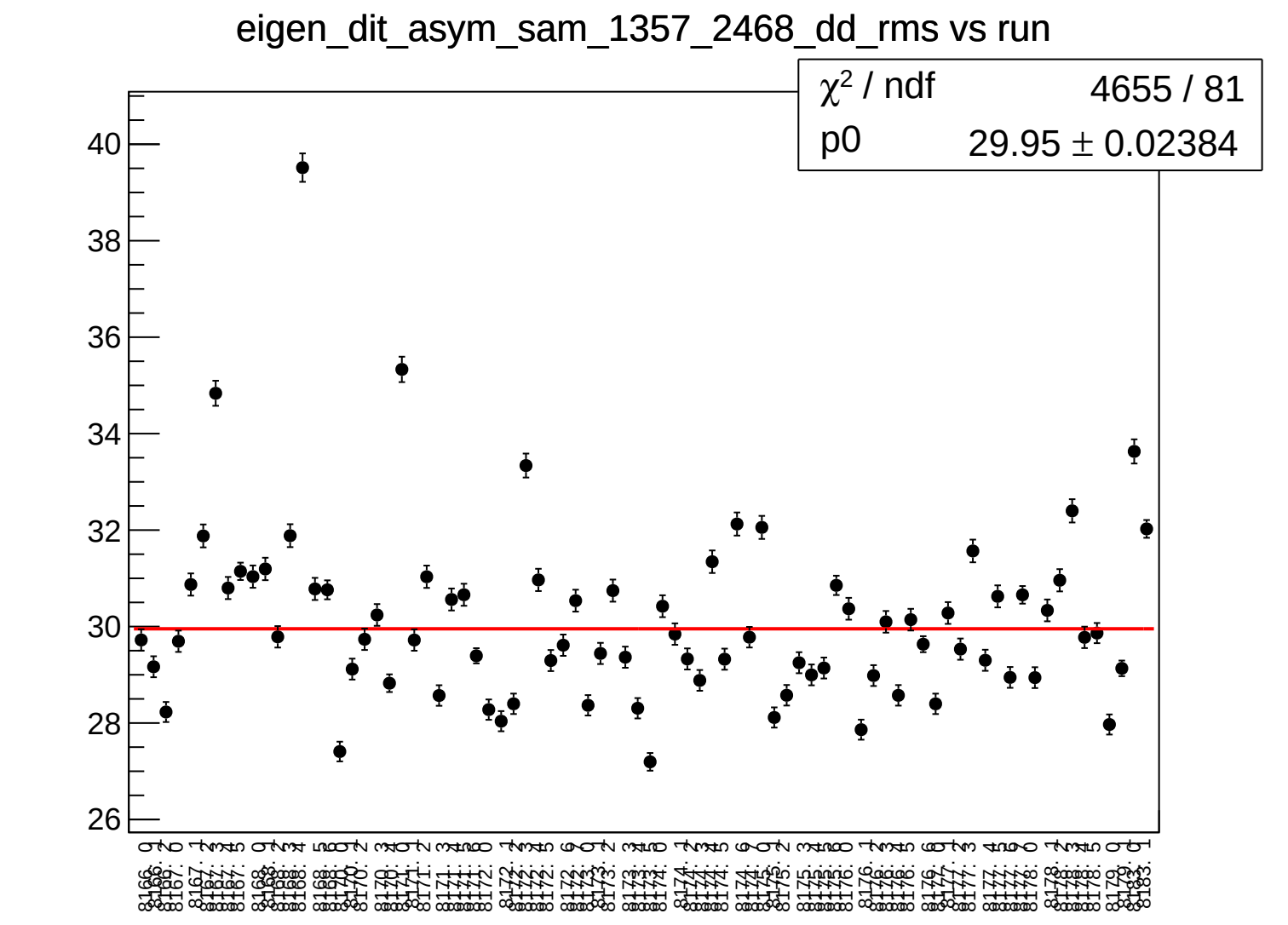

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4655 / 81
p0 29.95 ± 0.02384
40
38
36
34
32
30
28
26

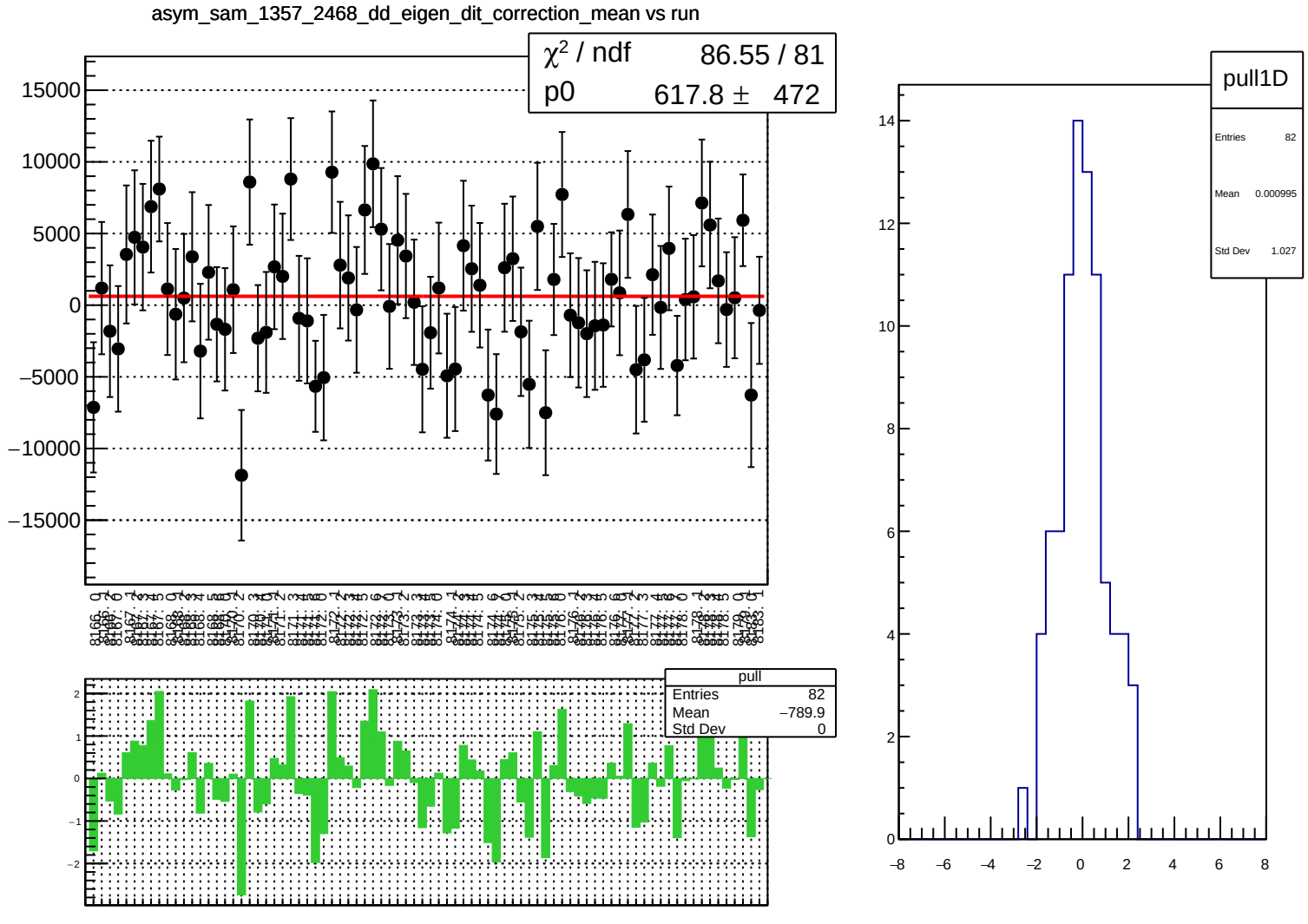

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 86.55 / 81
p0 617.9 ± 472
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −789.9
Std Dev 0
2
1
0
−1
−2

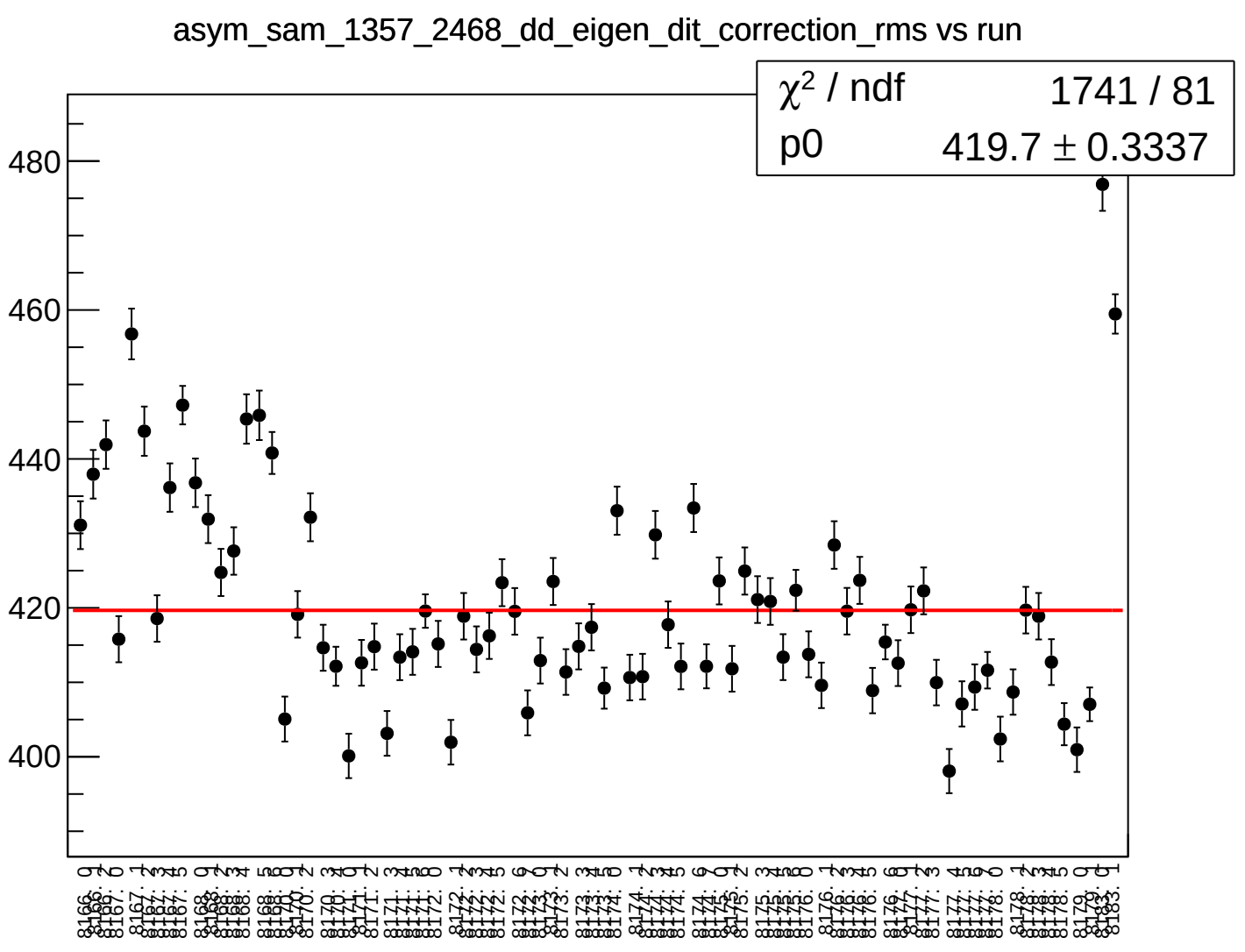

pull1D
Entries 82
Mean 0.0009949
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

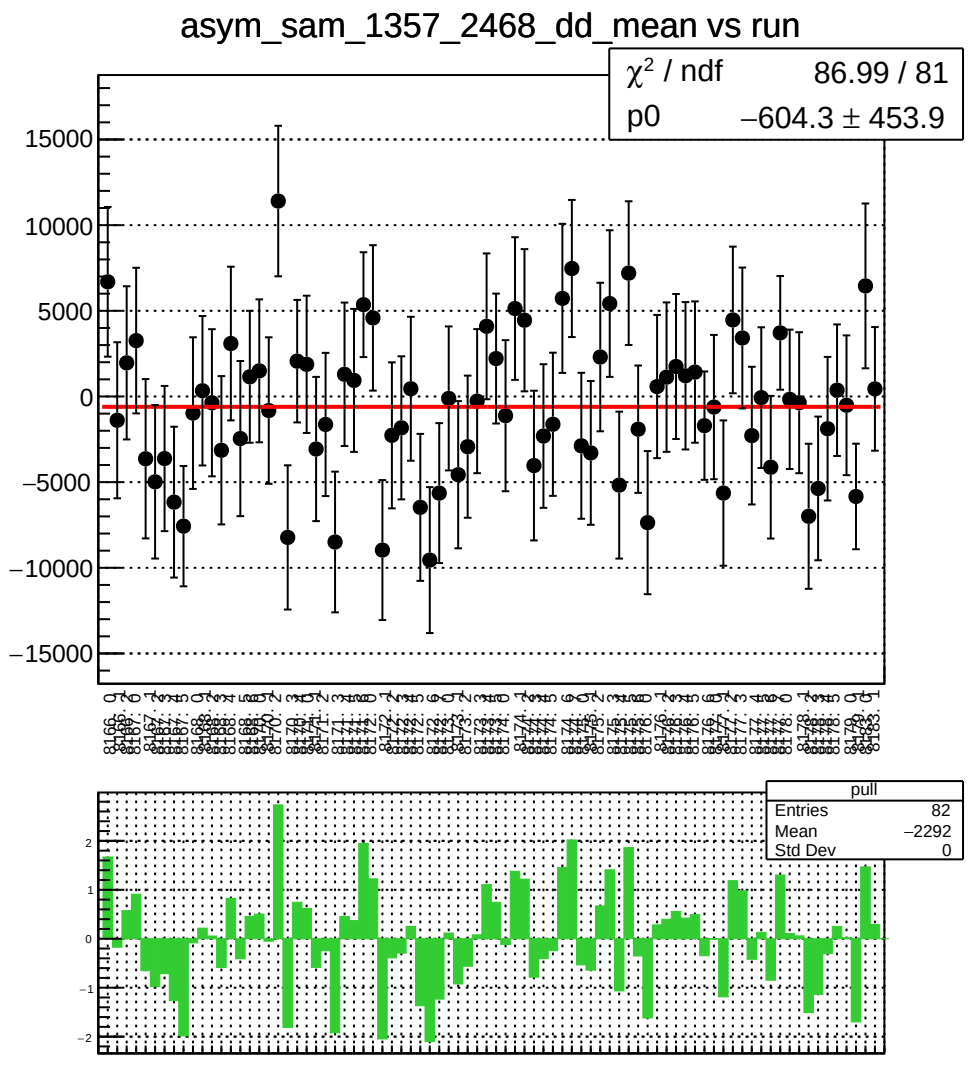

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 1741 / 81
p0 419.7 ± 0.3337
480
460
440
420
400

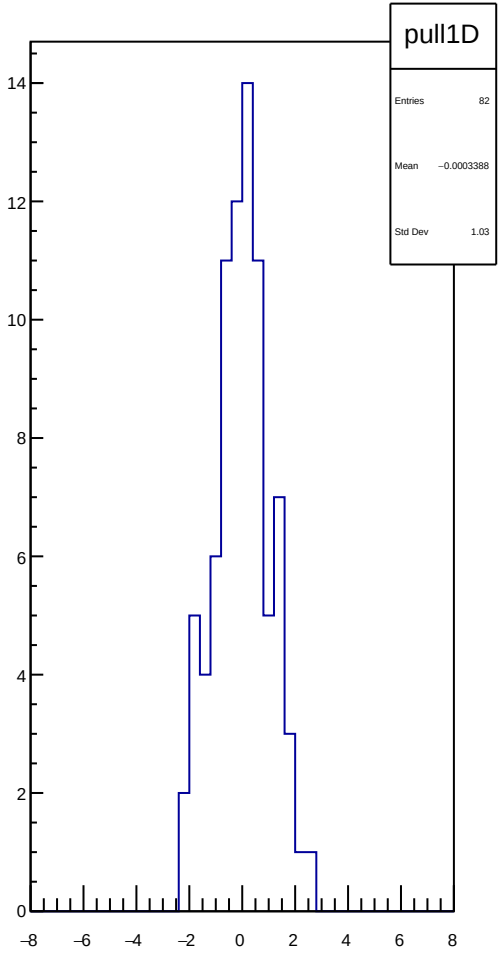

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 71.25 / 81
p0 14.76 ± 33.72
1000
500
0
−500
−1000
pull
Entries 82
Mean −90.34
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.006954
Std Dev 0.9321
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

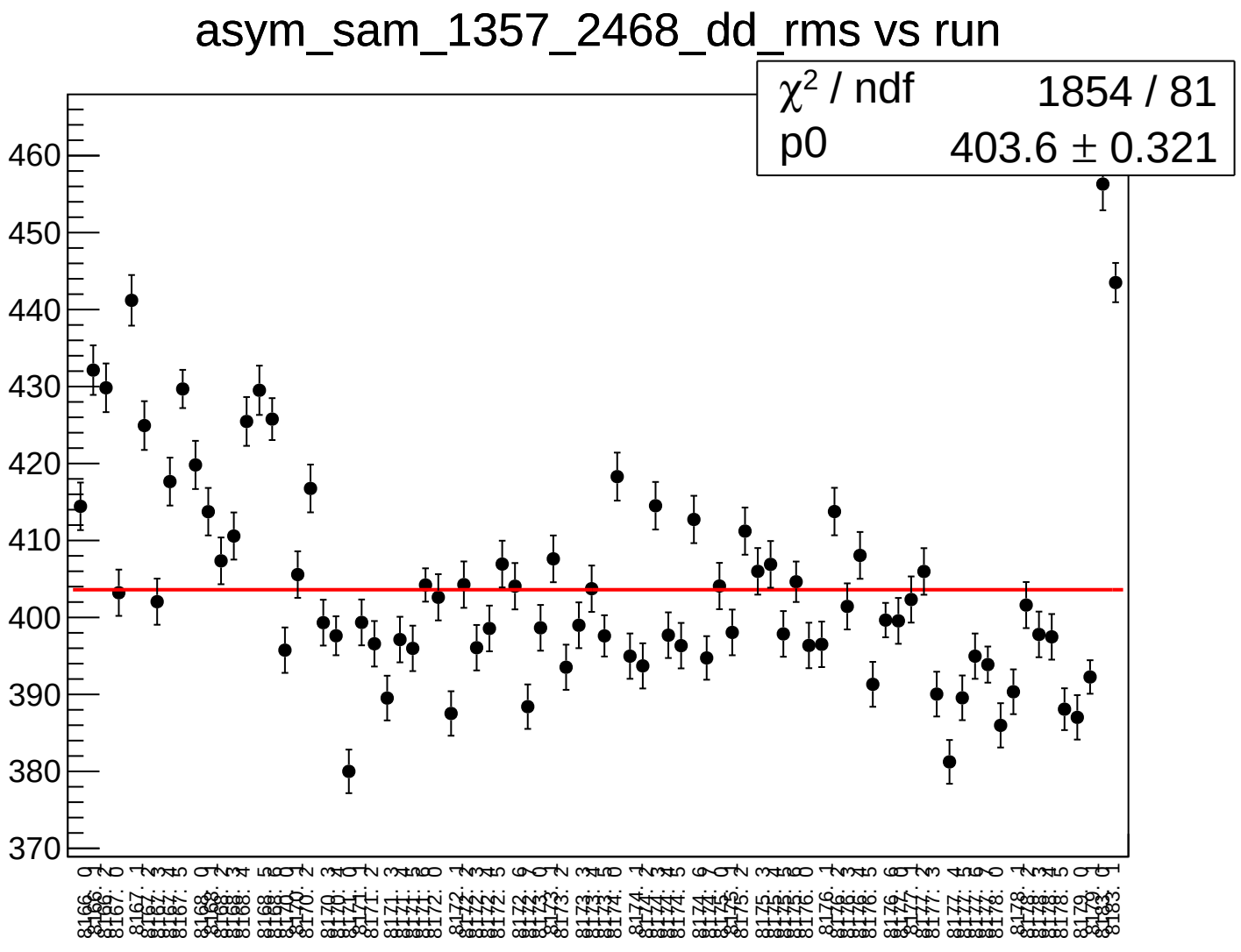

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4655 / 81
p0 29.95 ± 0.02384
40
38
36
34
32
30
28
26

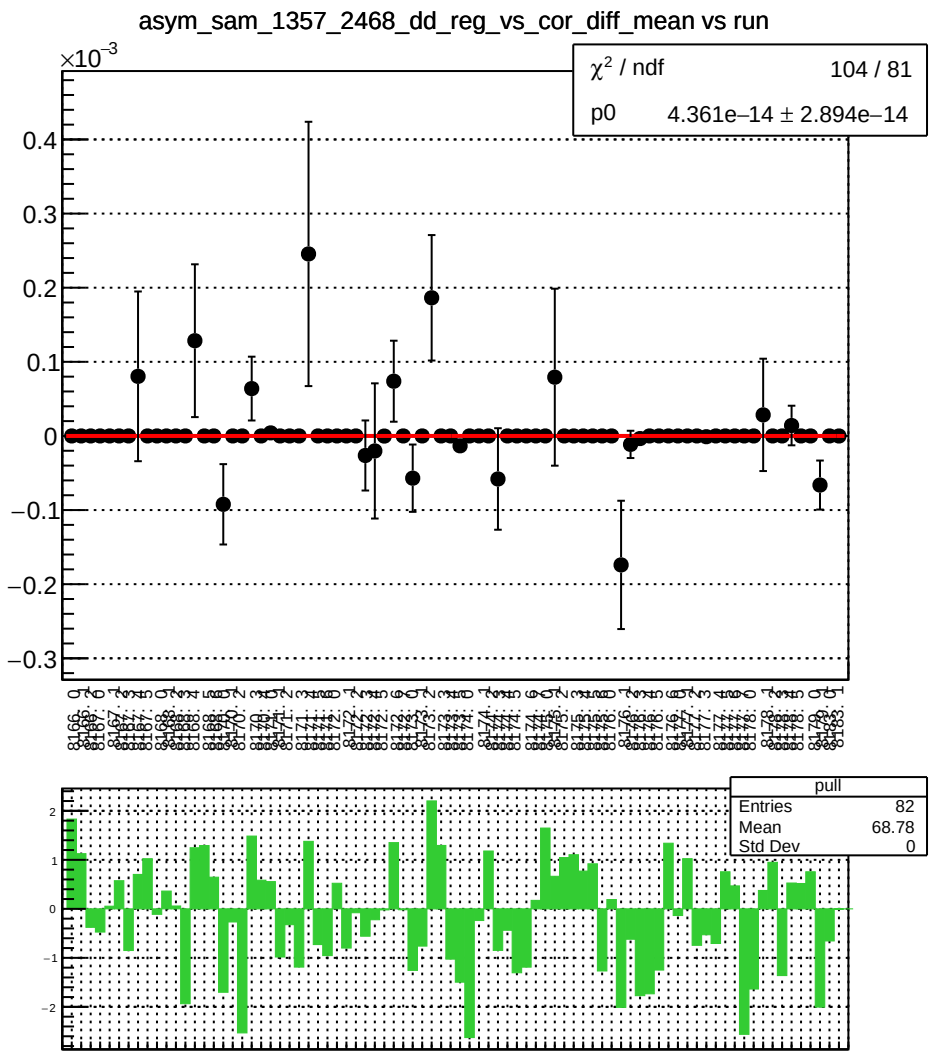

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 86.55 / 81
p0 617.8 ± 472
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −789.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.000995
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

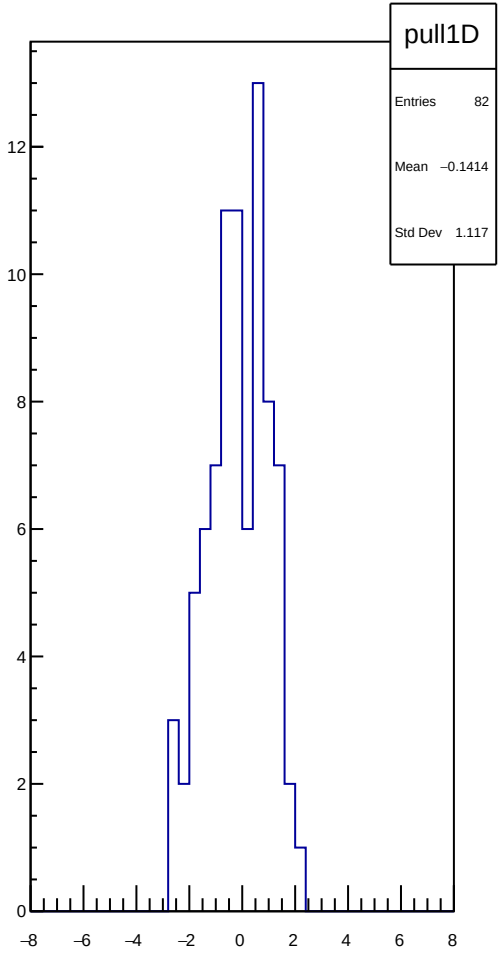

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 1741 / 81
p0 419.7 ± 0.3337
480
460
440
420
400

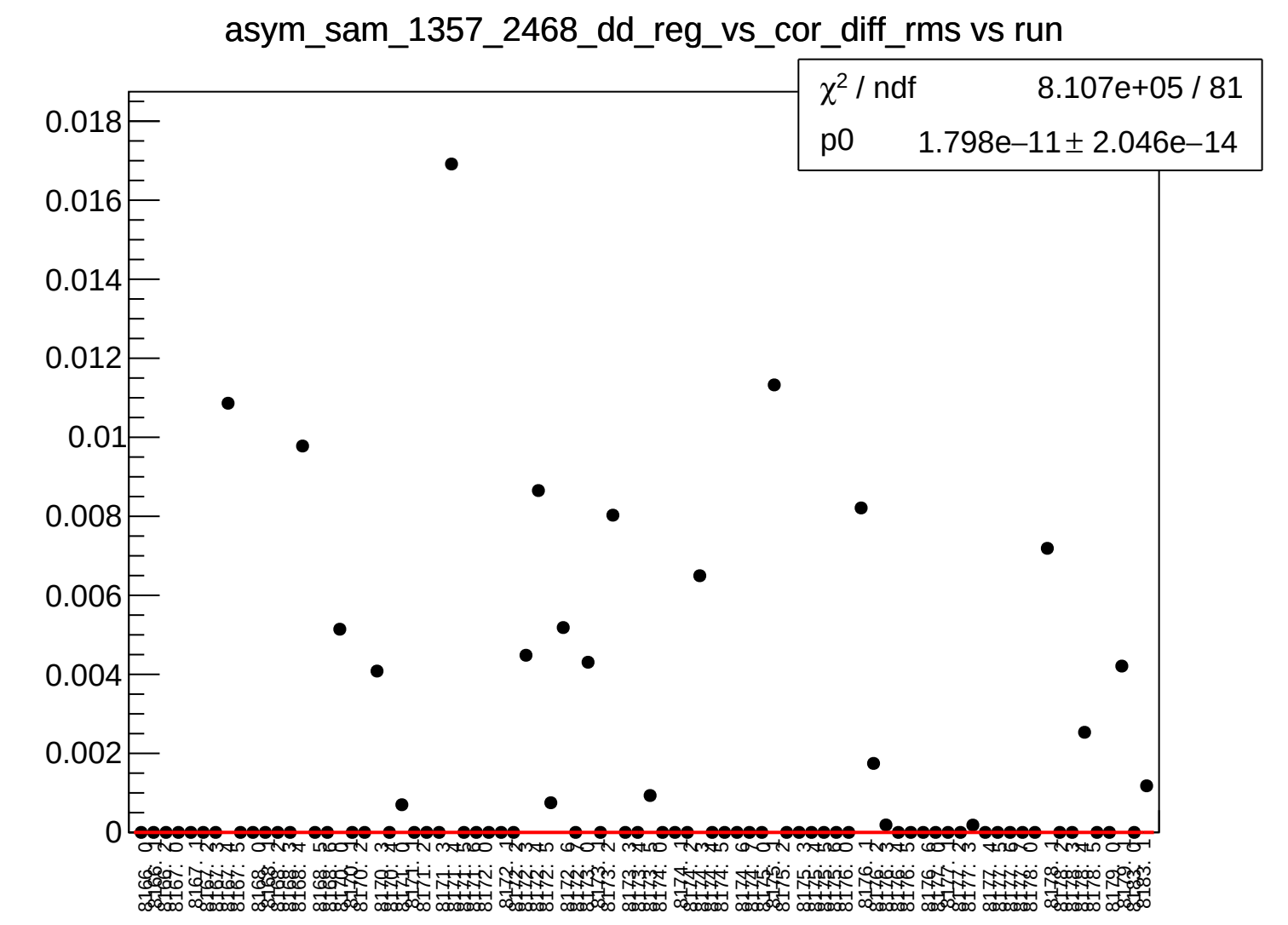

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 86.99 / 81
p0 −604.3 ± 453.9
pull
Entries 82
Mean −2292
Std Dev 0

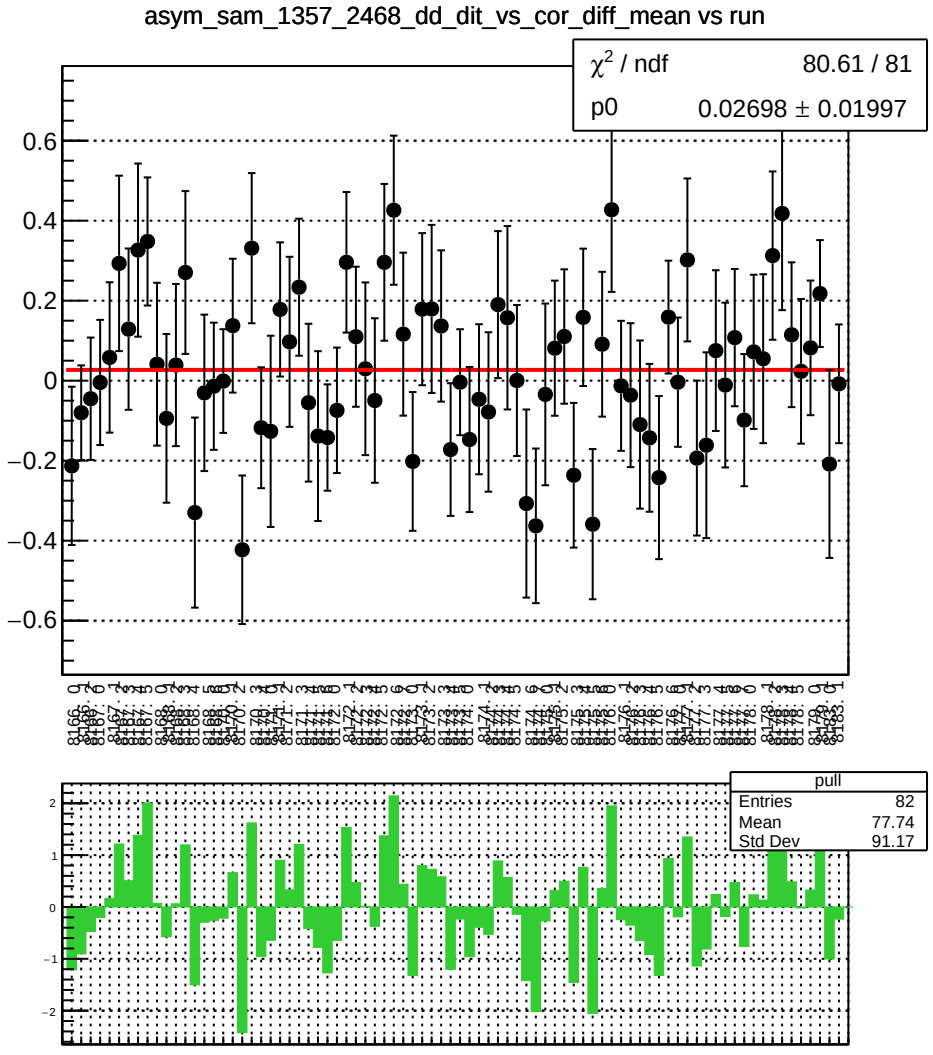

pull1D
Entries 82
Mean −0.0003388
Std Dev 1.03

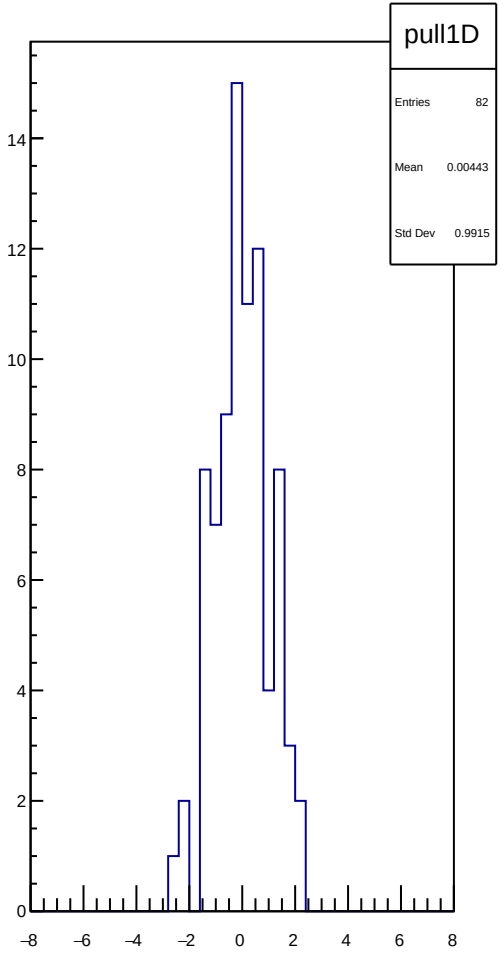

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1854 / 81
p0 403.6 ± 0.321
460
450
440
430
420
410
400
390
380
370

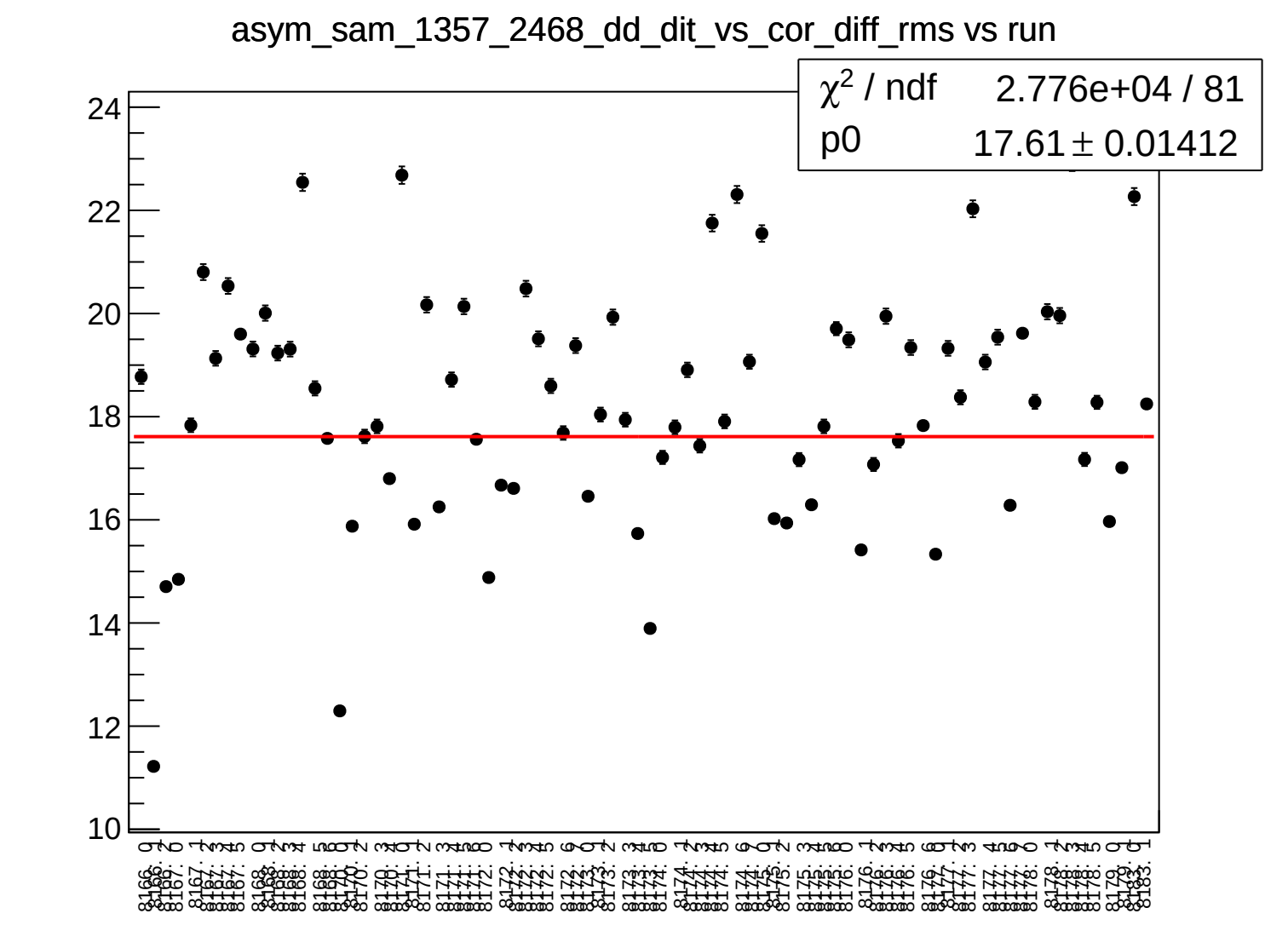

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 104 / 81
p0 4.361e−14 ± 2.894e−14
pull
Entries 82
Mean 68.78
Std Dev 0

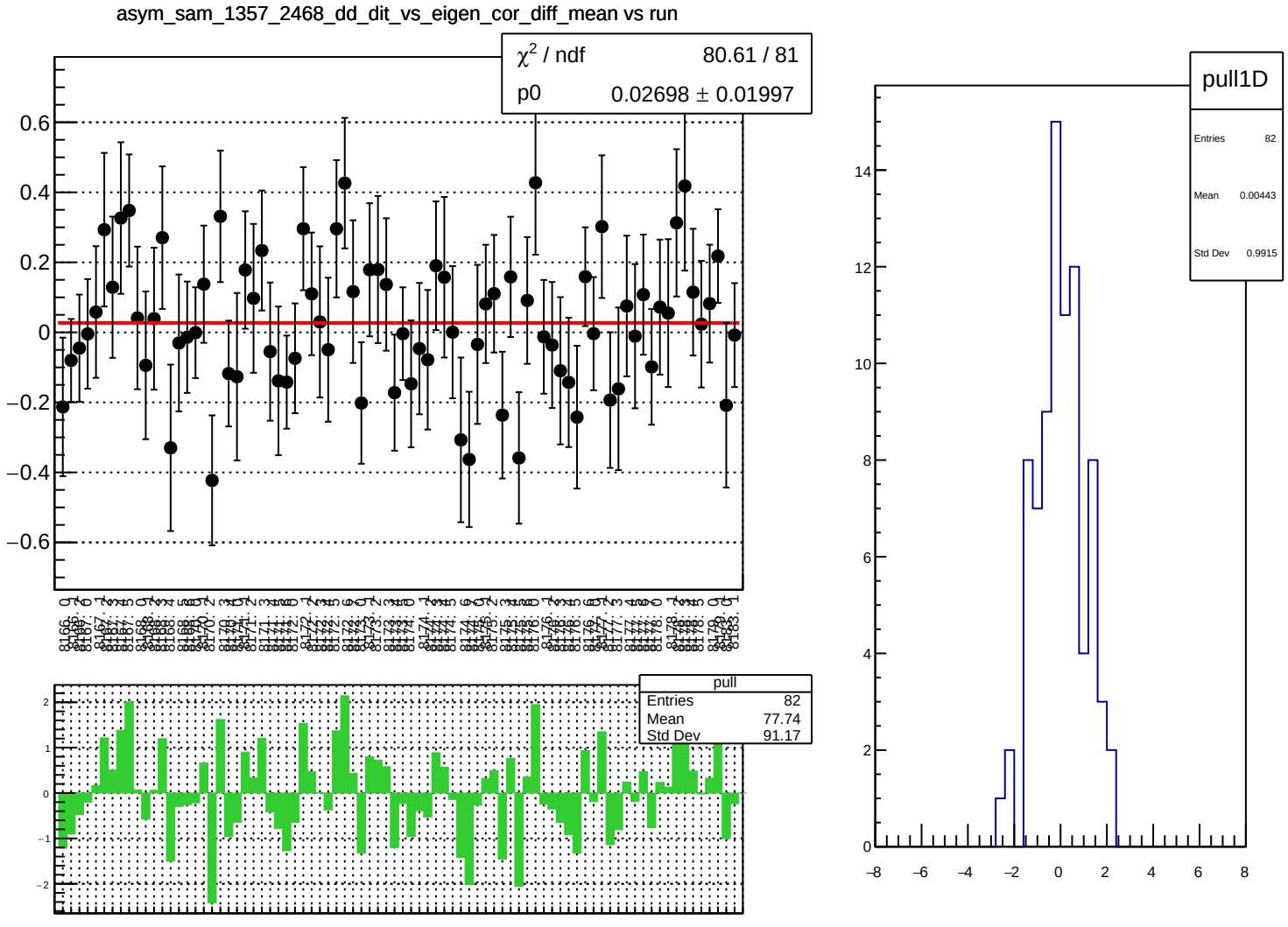

pull1D
Entries 82
Mean −0.1414
Std Dev 1.117

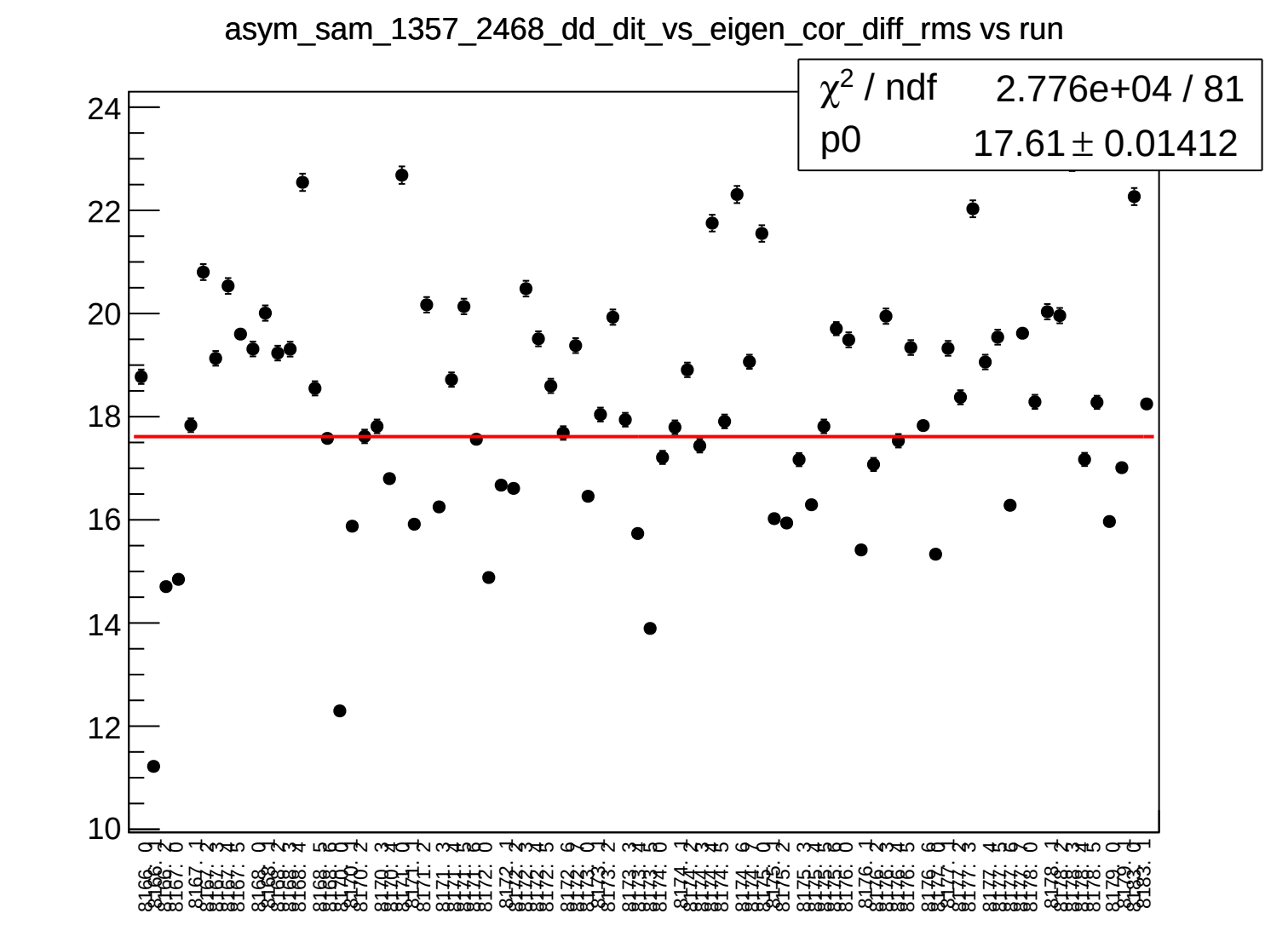

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.107e+05 / 81
p0 1.798e−11 ± 2.046e−14
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0

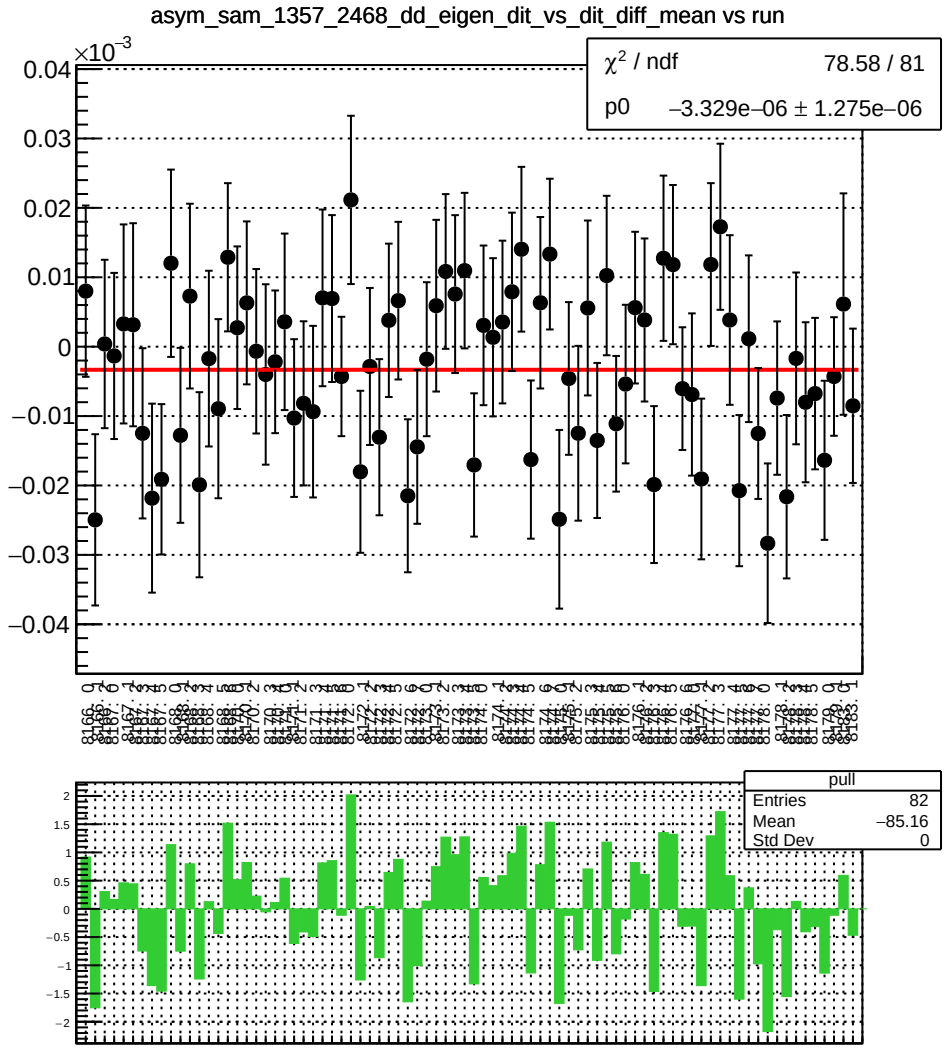

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 80.61 / 81
p0 0.02698 ± 0.01997
pull
Entries 82
Mean 77.74
Std Dev 91.17

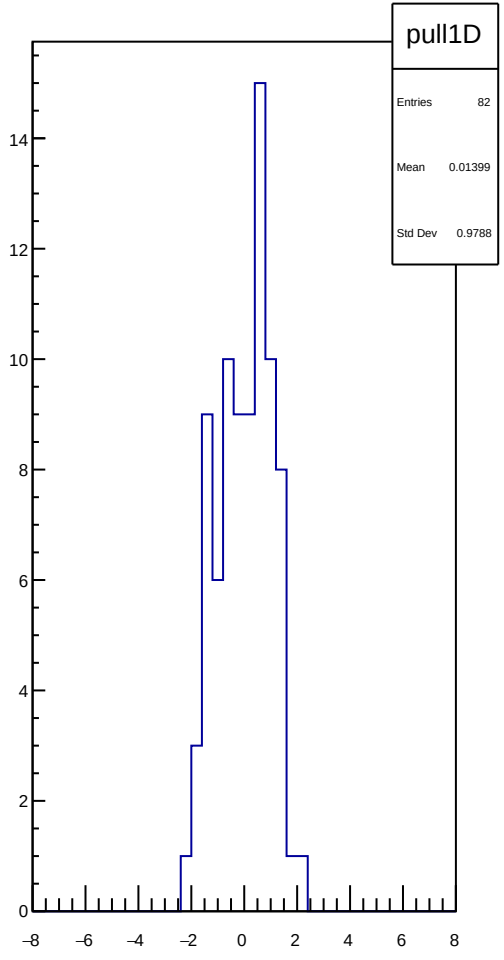

pull1D
Entries 82
Mean 0.00443
Std Dev 0.9915

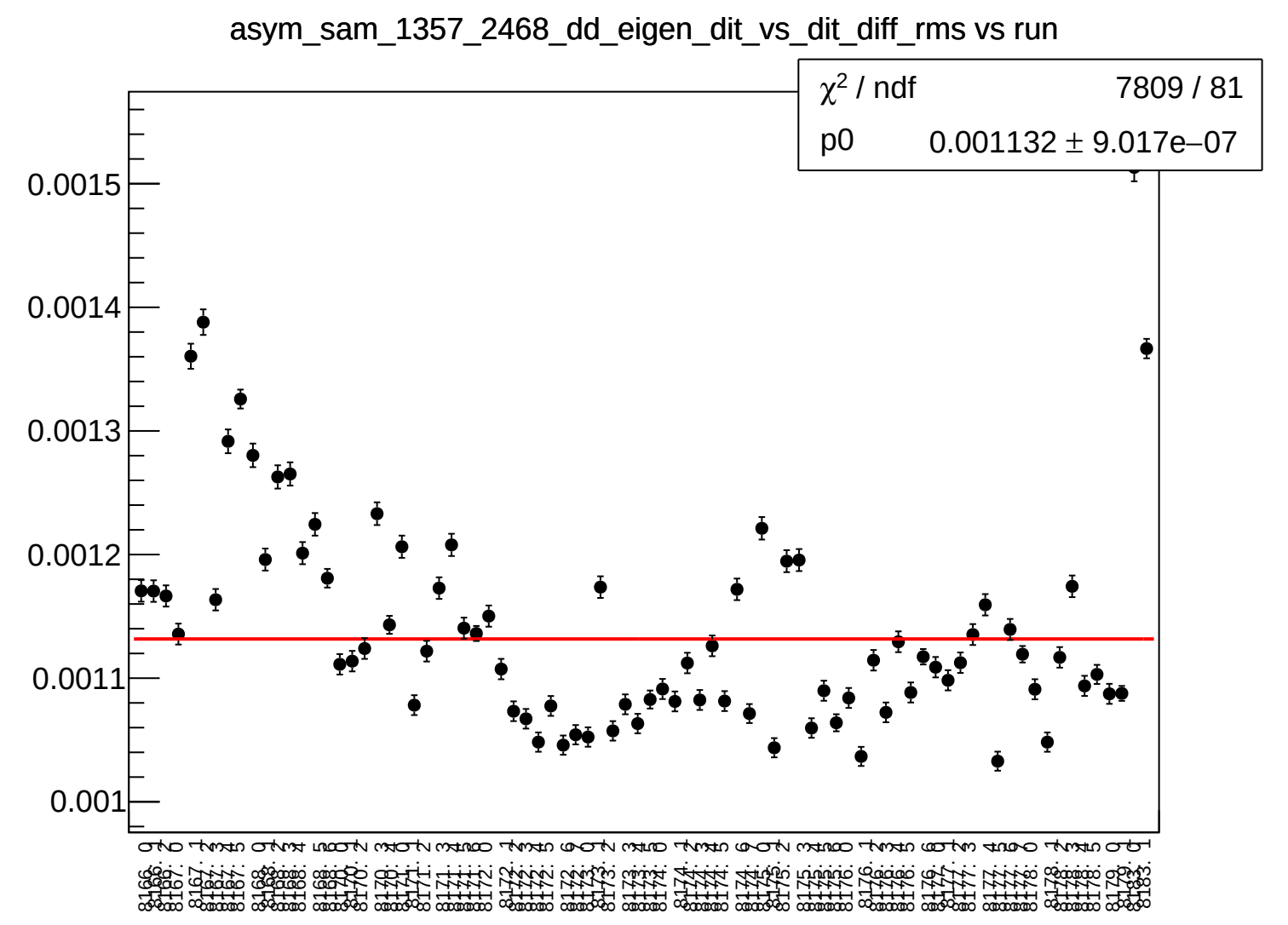

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.776e+04 / 81
p0 17.61 ± 0.01412
24
22
20
18
16
14
12
10

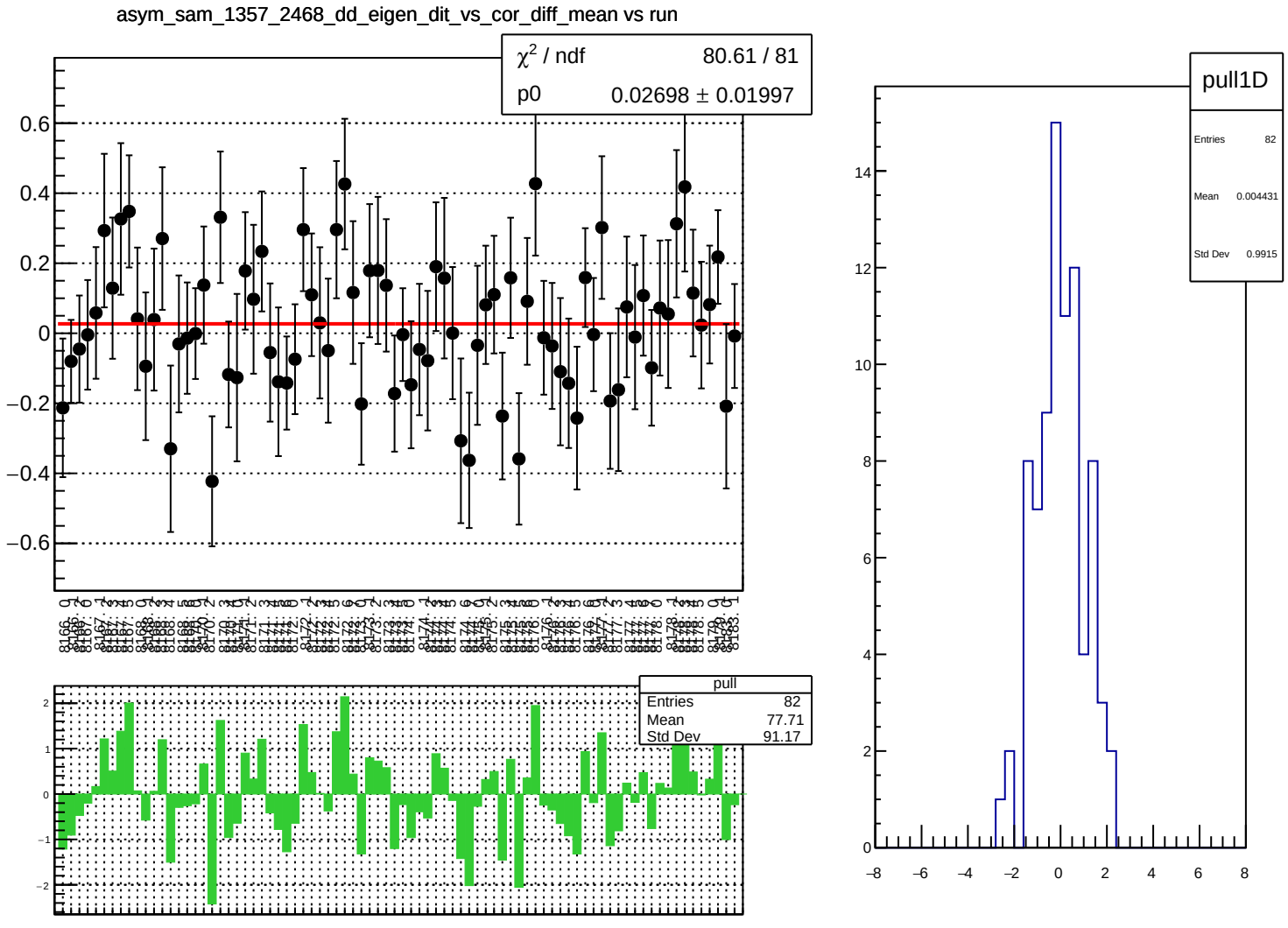

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.61 / 81
p0 0.02698 ± 0.01997
pull
Entries 82
Mean 77.74
Std Dev 91.17
pull1D
Entries 82
Mean 0.00443
Std Dev 0.9915

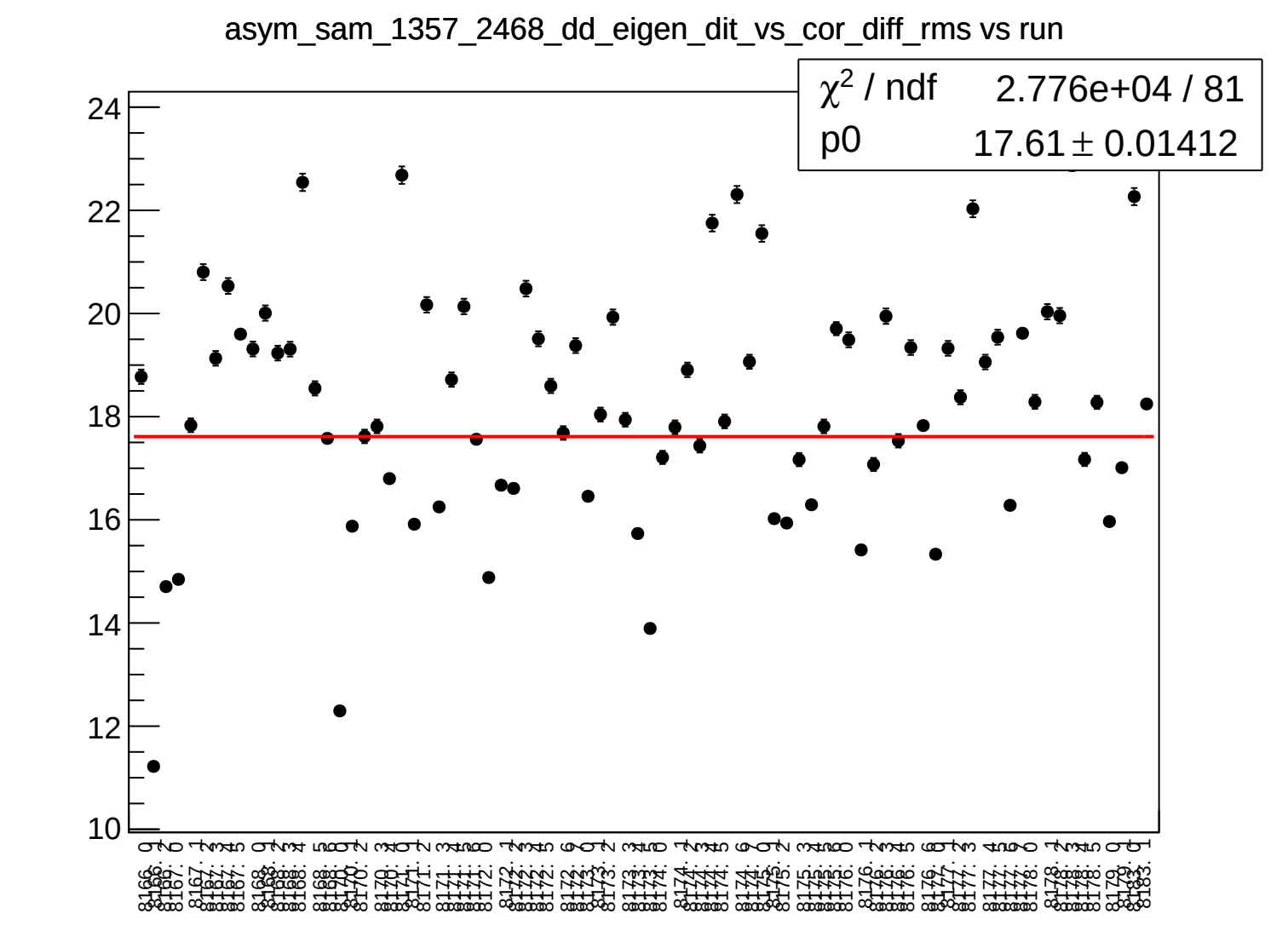

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.776e+04 / 81
p0 17.61 ± 0.01412
24
22
20
18
16
14
12
10

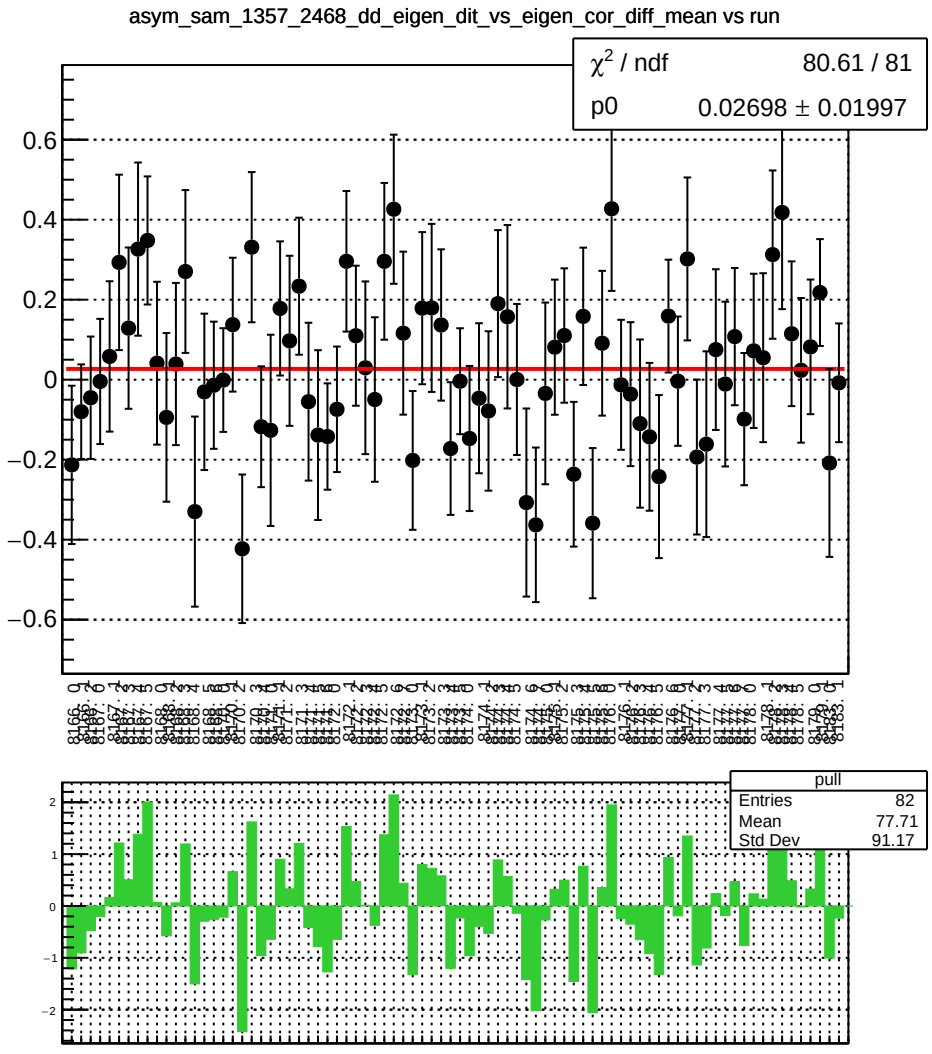

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.58 / 81
p0 −3.329e−06 ± 1.275e−06
pull
Entries 82
Mean −85.16
Std Dev 0

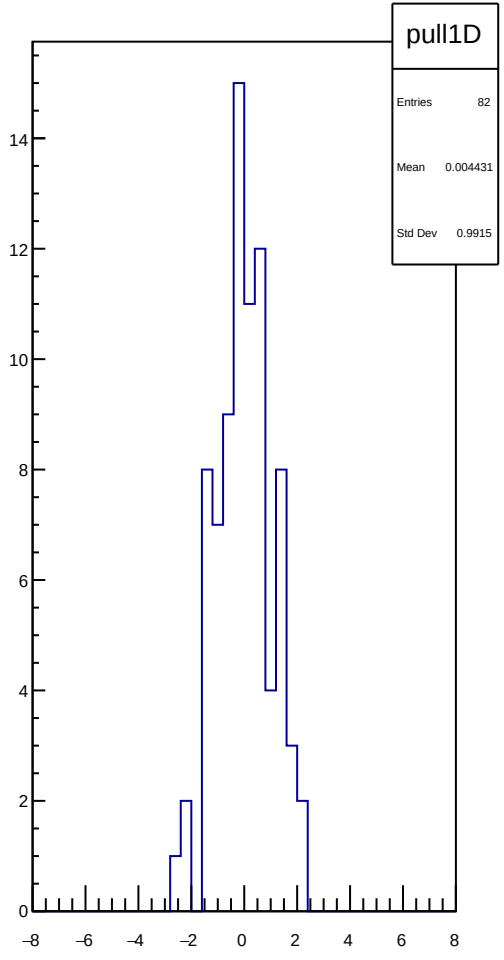

pull1D
Entries 82
Mean 0.01399
Std Dev 0.9788

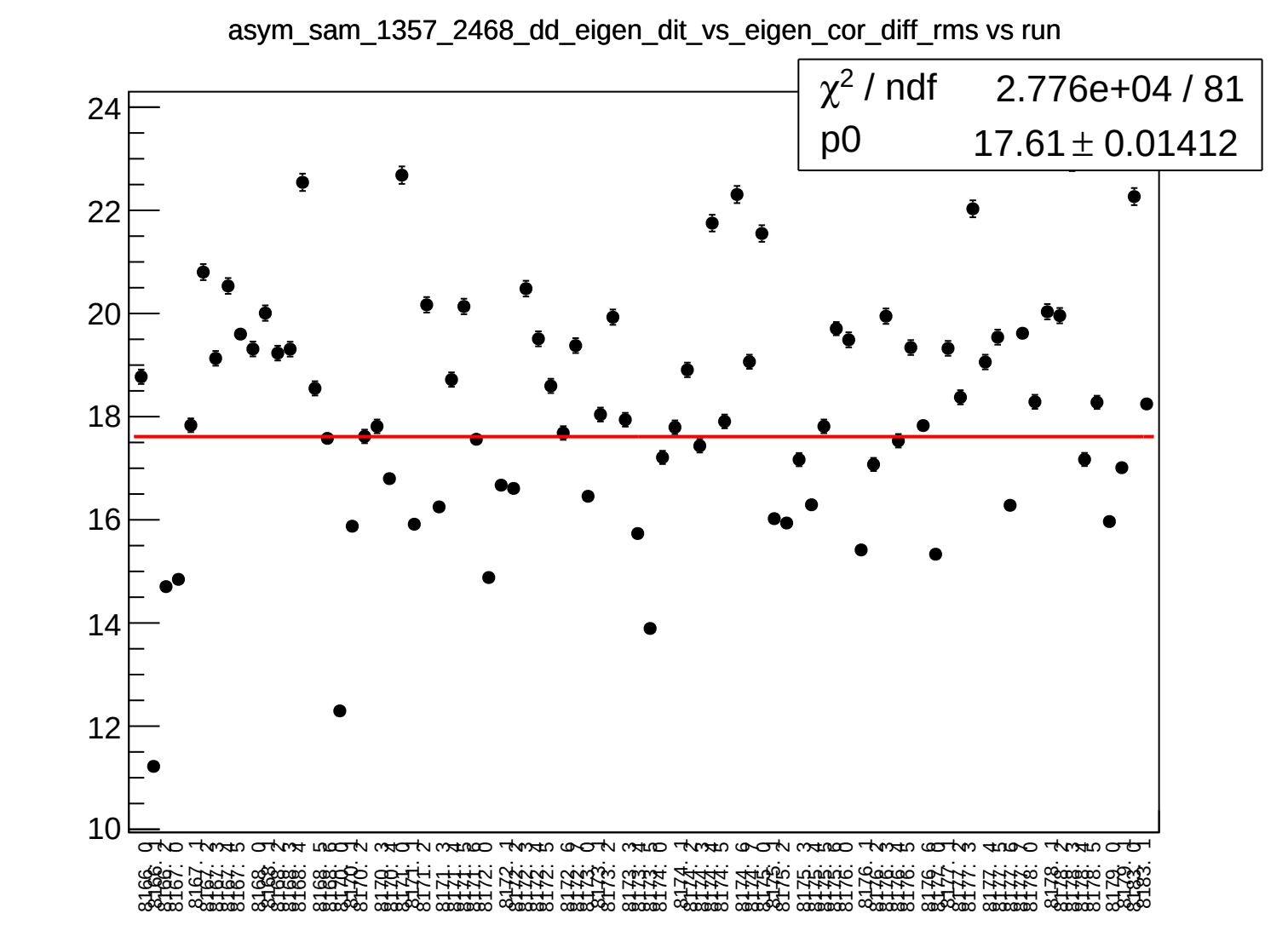

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7809 / 81
p0 0.001132 ± 9.017e−07
0.0015
0.0014
0.0013
0.0012
0.0011
0.001

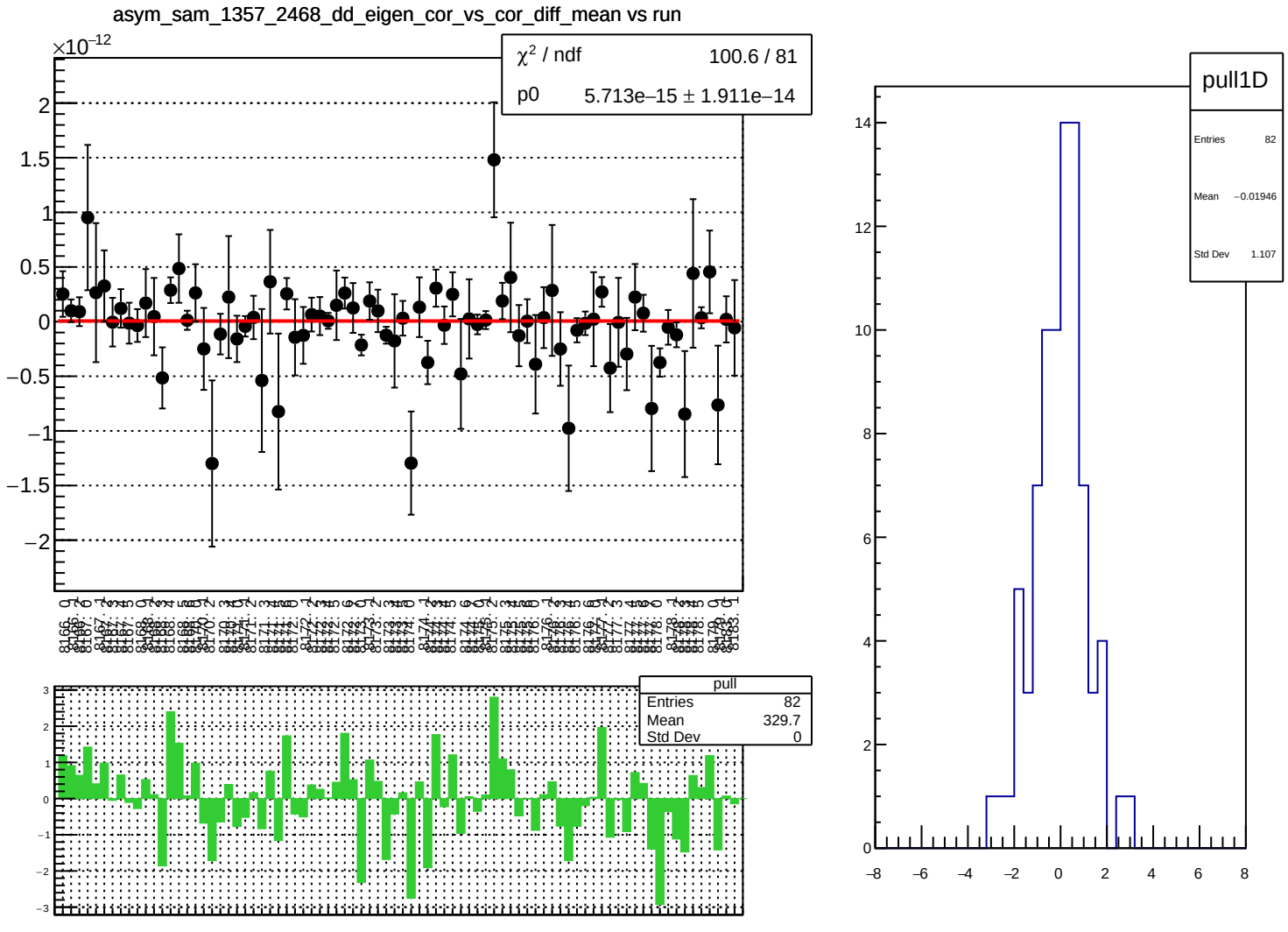

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 80.61 / 81
p0 0.02698 ± 0.01997
pull
Entries 82
Mean 77.71
Std Dev 91.17
pull1D
Entries 82
Mean 0.004431
Std Dev 0.9915

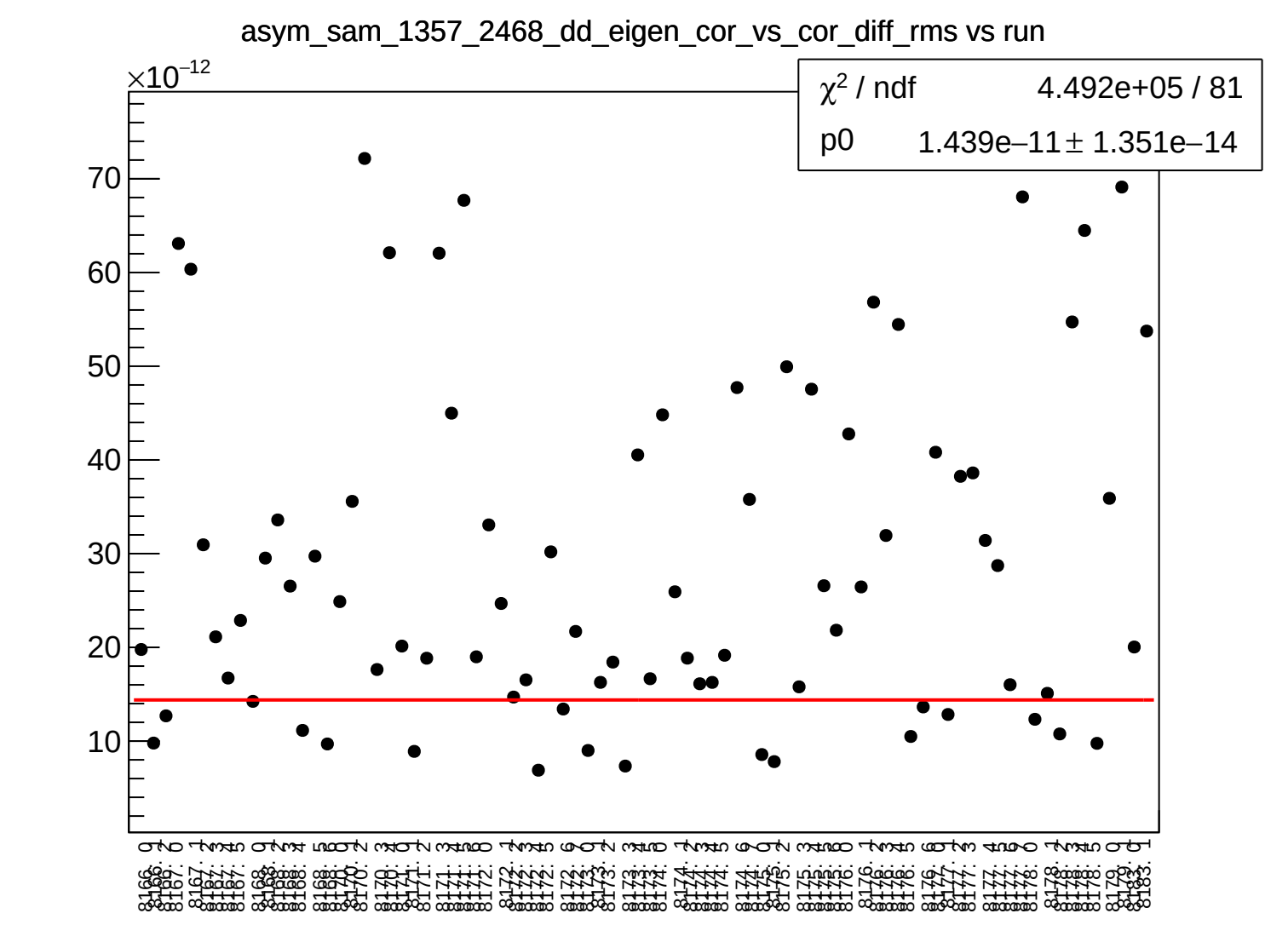

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.776e+04 / 81
p0 17.61 ± 0.01412
24
22
20
18
16
14
12
10

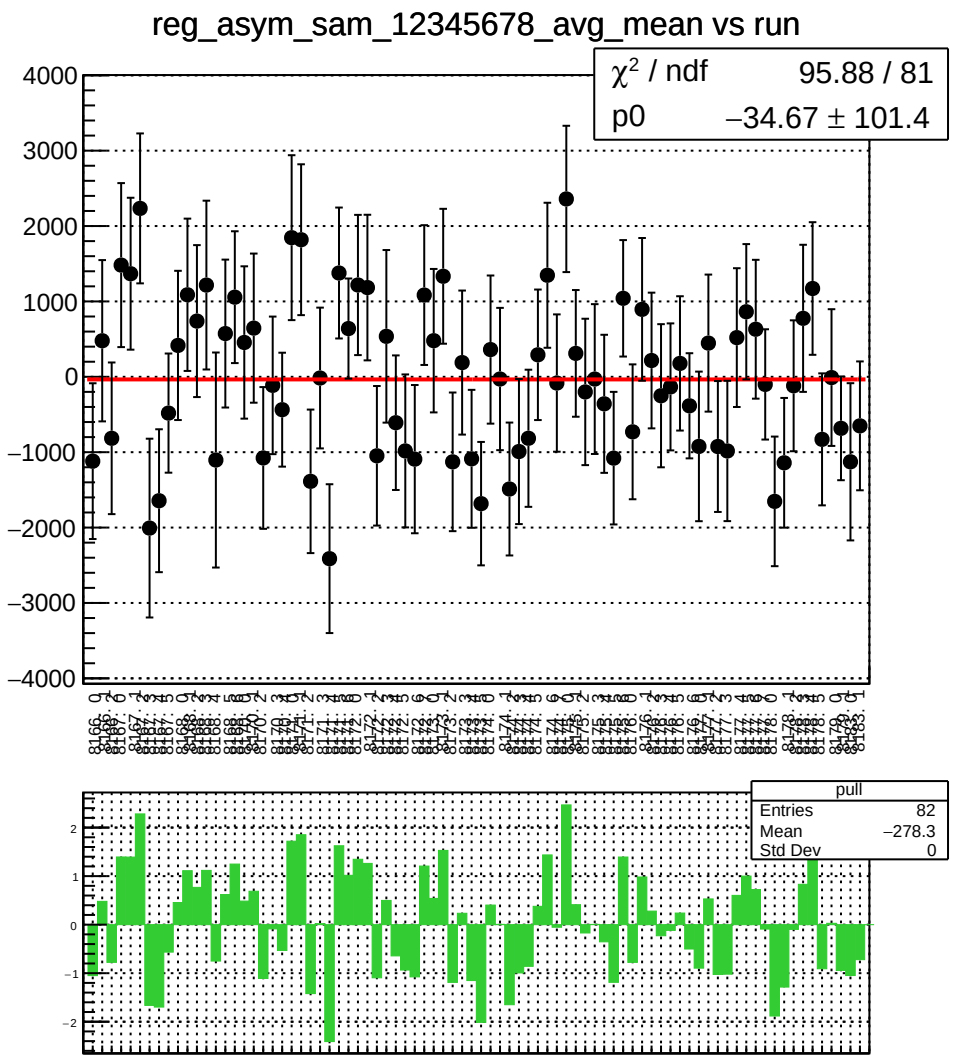

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 80.61 / 81
p0 0.02698 ± 0.01997
pull
Entries 82
Mean 77.71
Std Dev 91.17

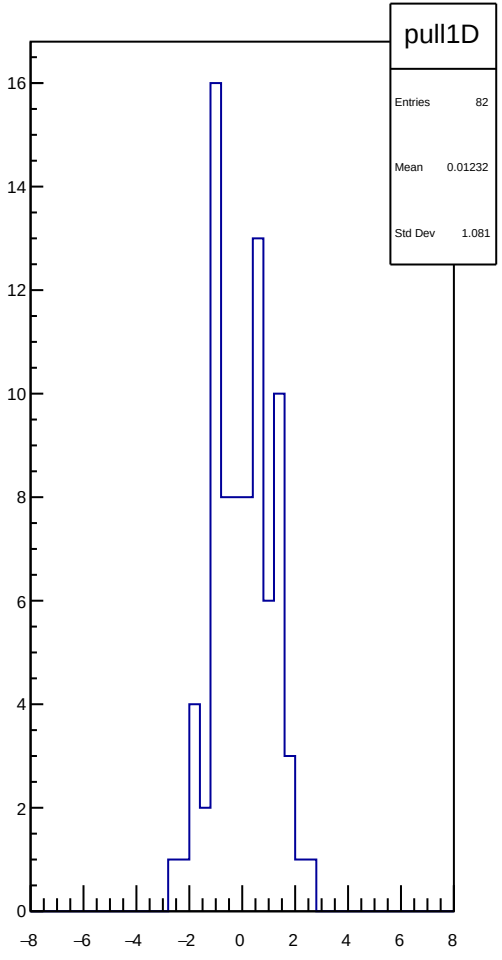

pull1D
Entries 82
Mean 0.004431
Std Dev 0.9915

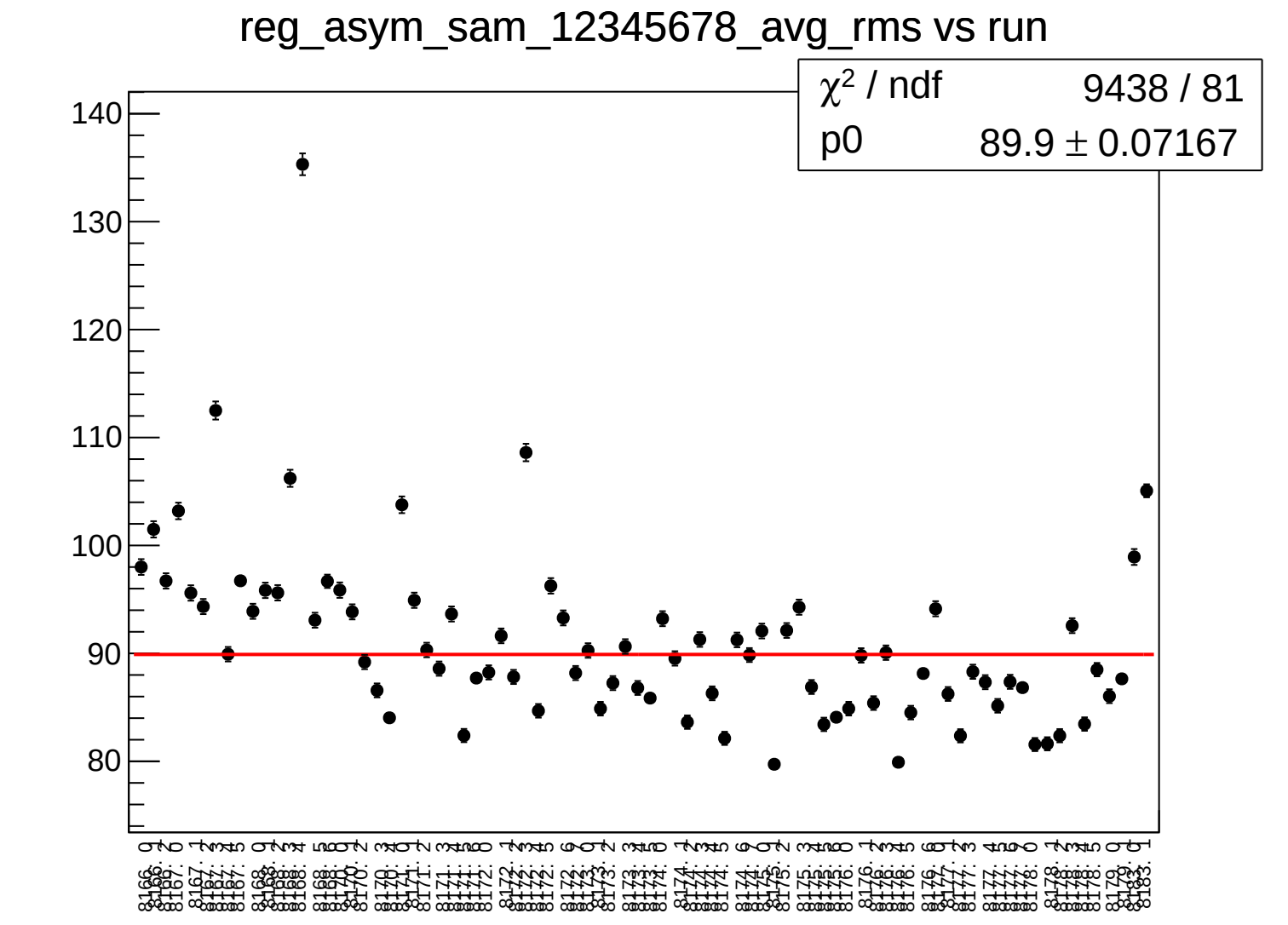

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.776e+04 / 81
p0 17.61 ± 0.01412
24
22
20
18
16
14
12
10

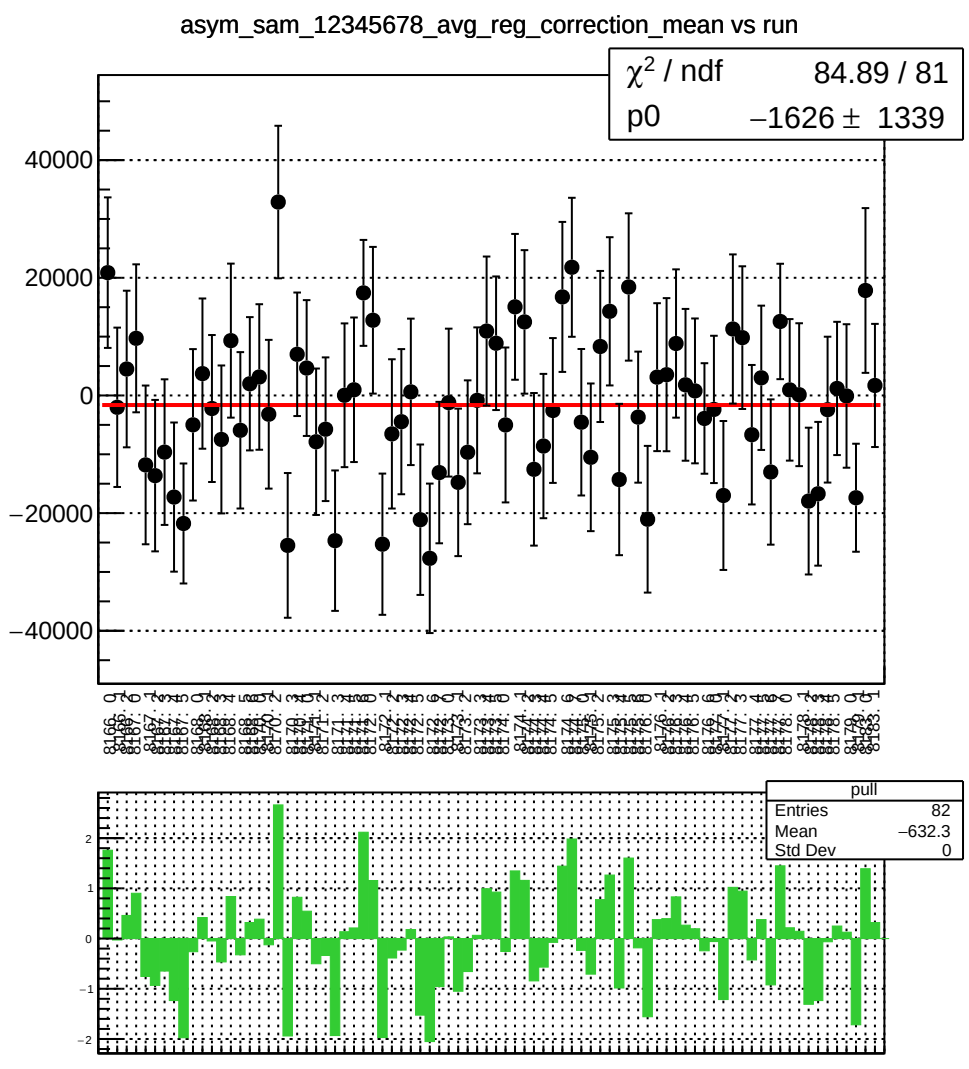

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 100.6 / 81
p0 5.713e−15 ± 1.911e−14
pull
Entries 82
Mean 329.7
Std Dev 0
pull1D
Entries 82
Mean −0.01946
Std Dev 1.107

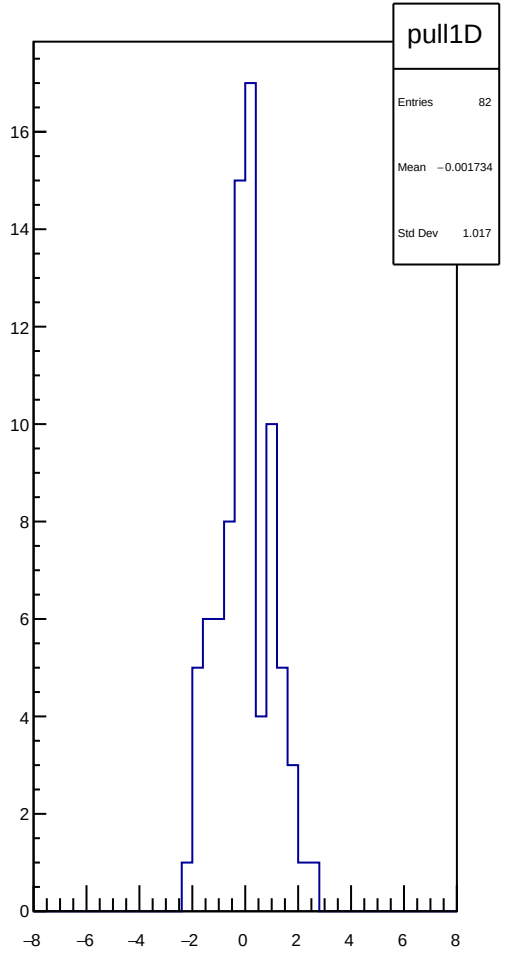

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.492e+05 / 81
p0 1.439e−11 ± 1.351e−14
70
60
50
40
30
20
10

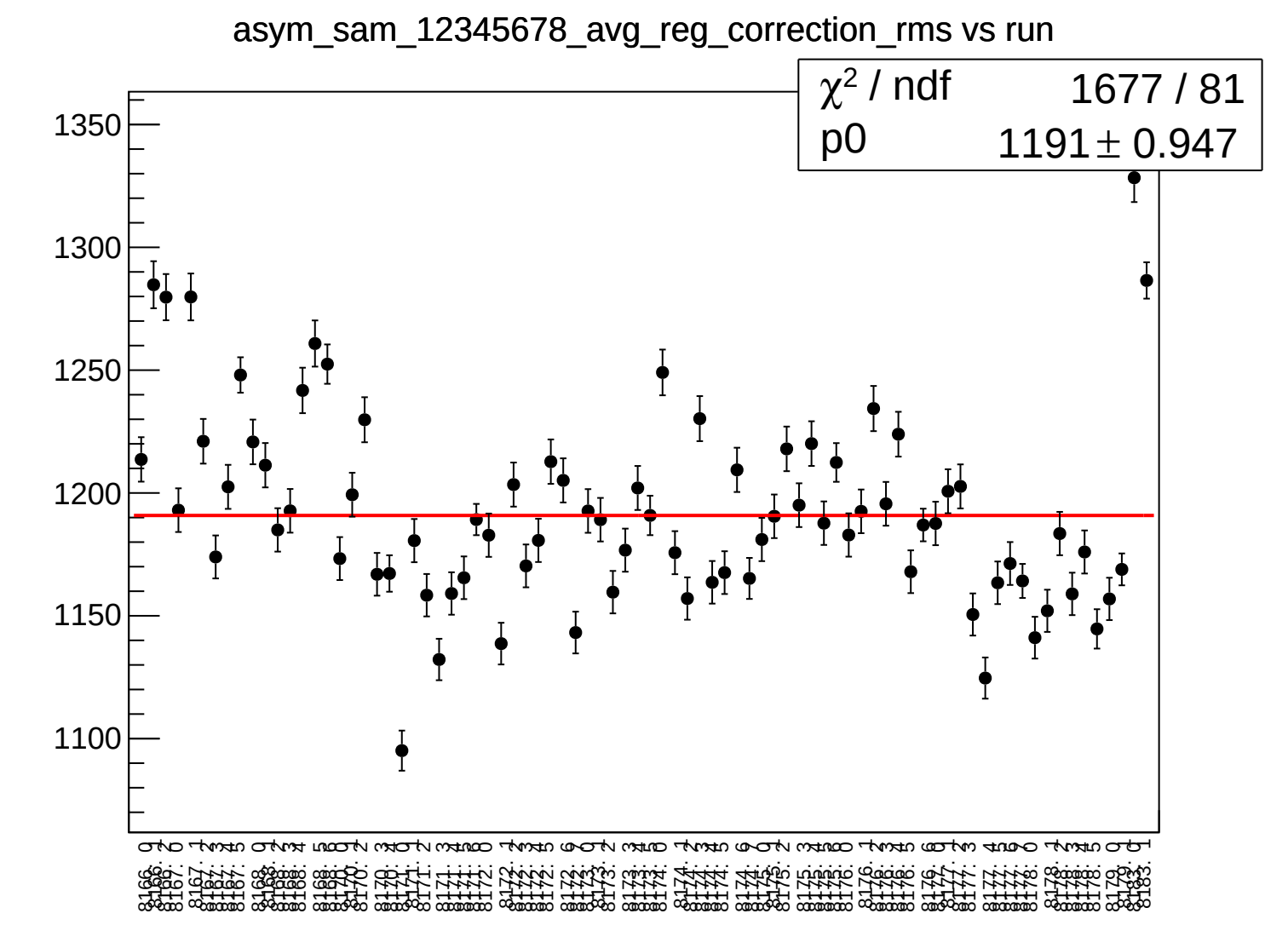

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 95.88 / 81
p0 −34.67 ± 101.4
pull
Entries 82
Mean −278.3
Std Dev 0

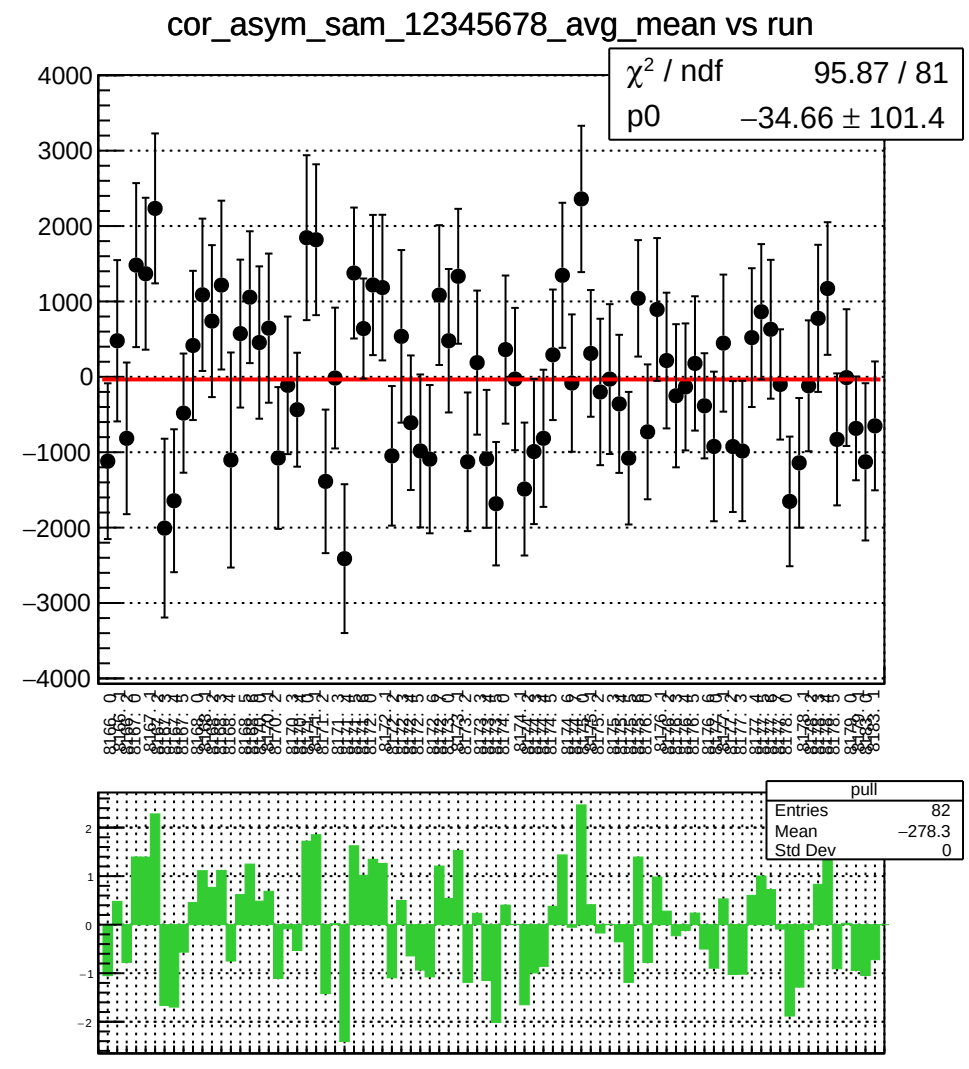

pull1D
Entries 82
Mean 0.01232
Std Dev 1.081

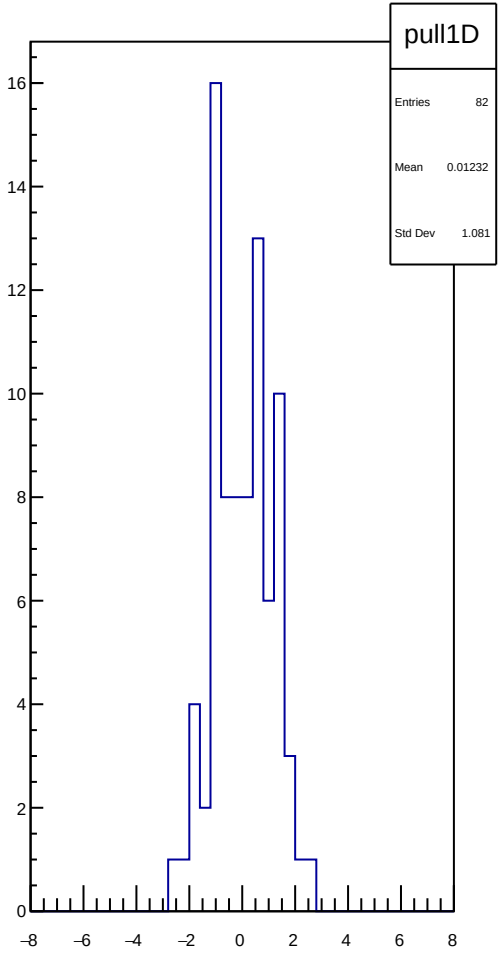

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 9438 / 81
p0 89.9 ± 0.07167
140
130
120
110
100
90
80

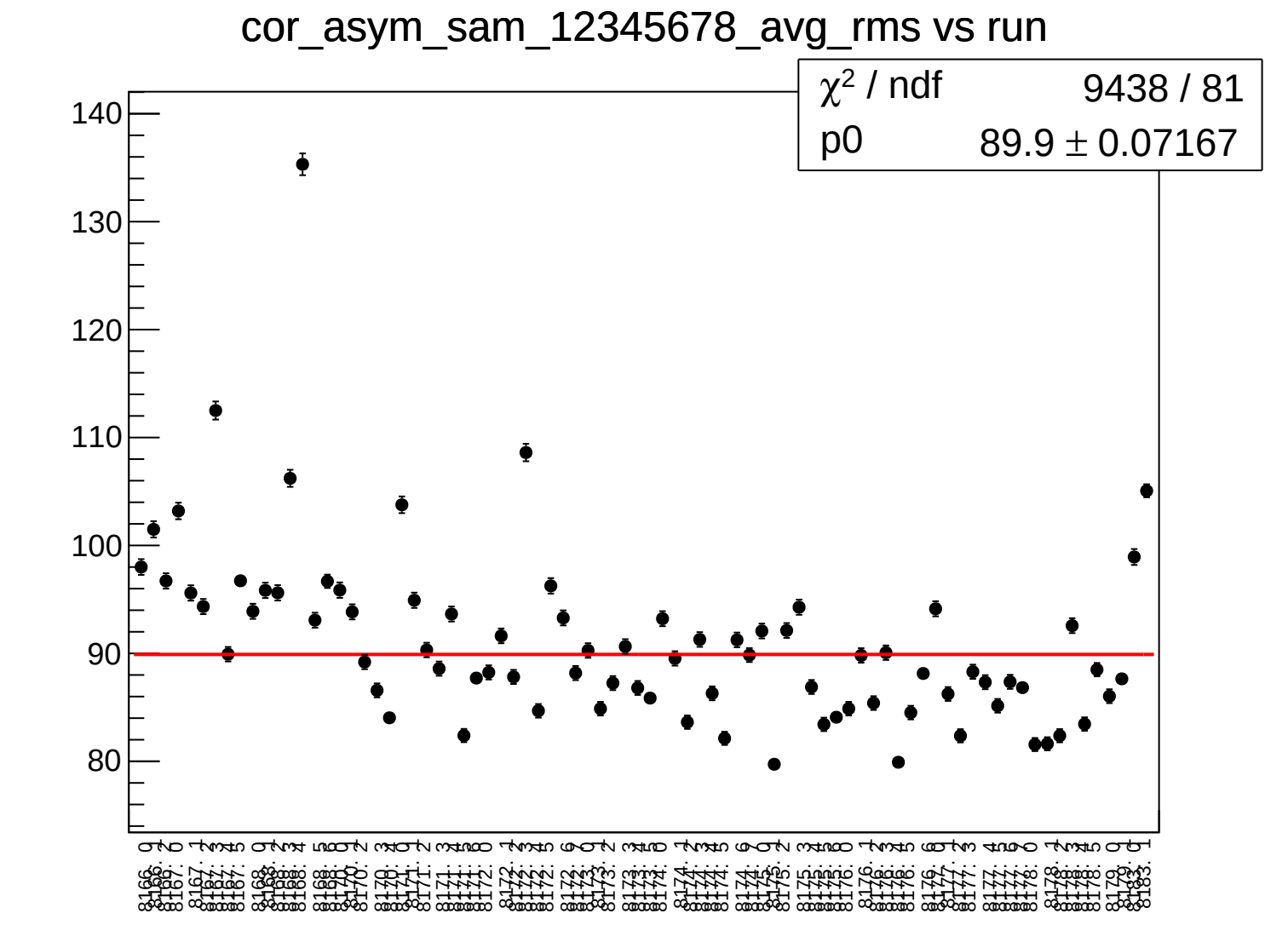

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 84.89 / 81
p0 −1626 ± 1339
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −632.3
Std Dev 0
2
1
0
−1
−2

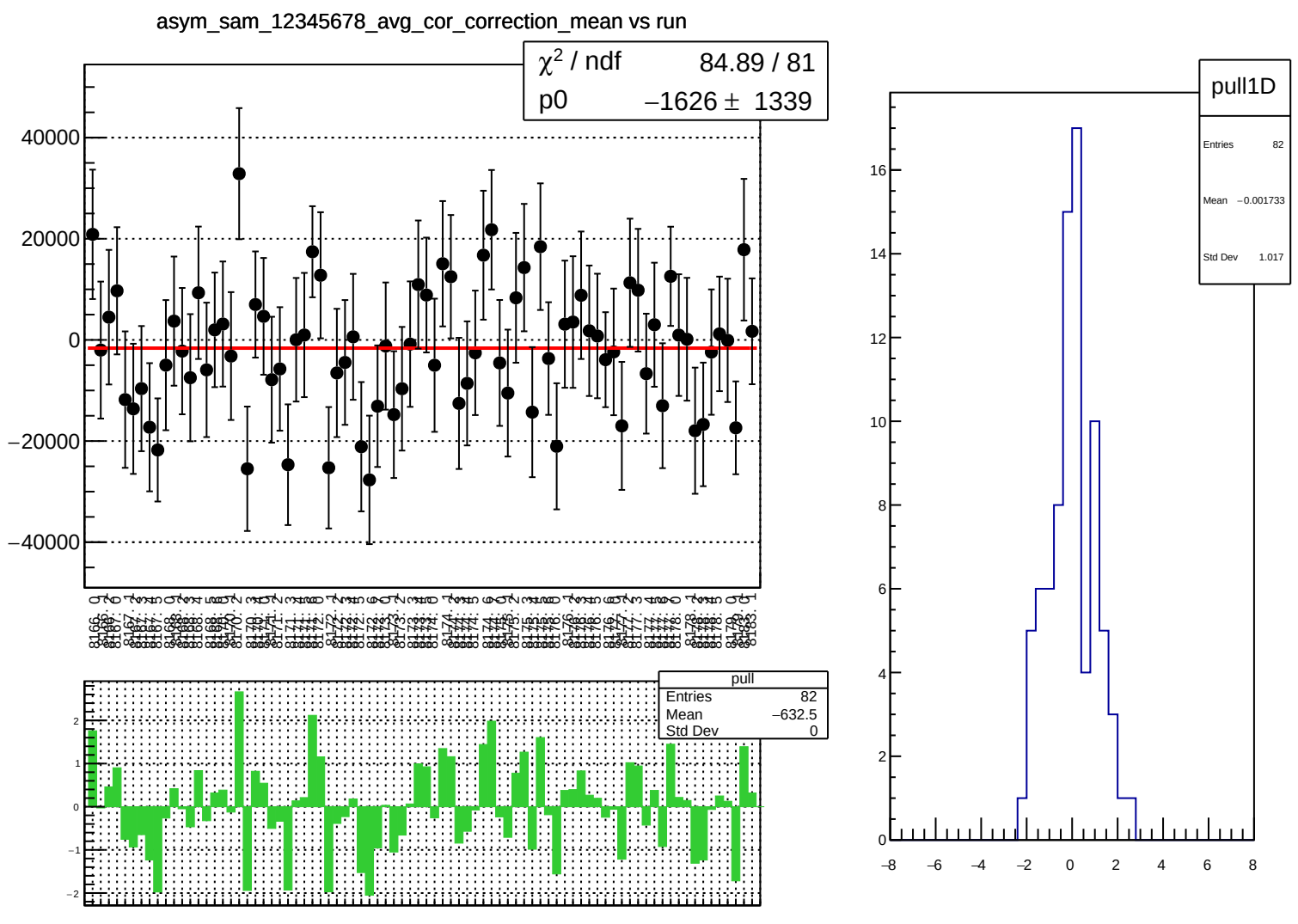

pull1D
Entries 82
Mean −0.001734
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

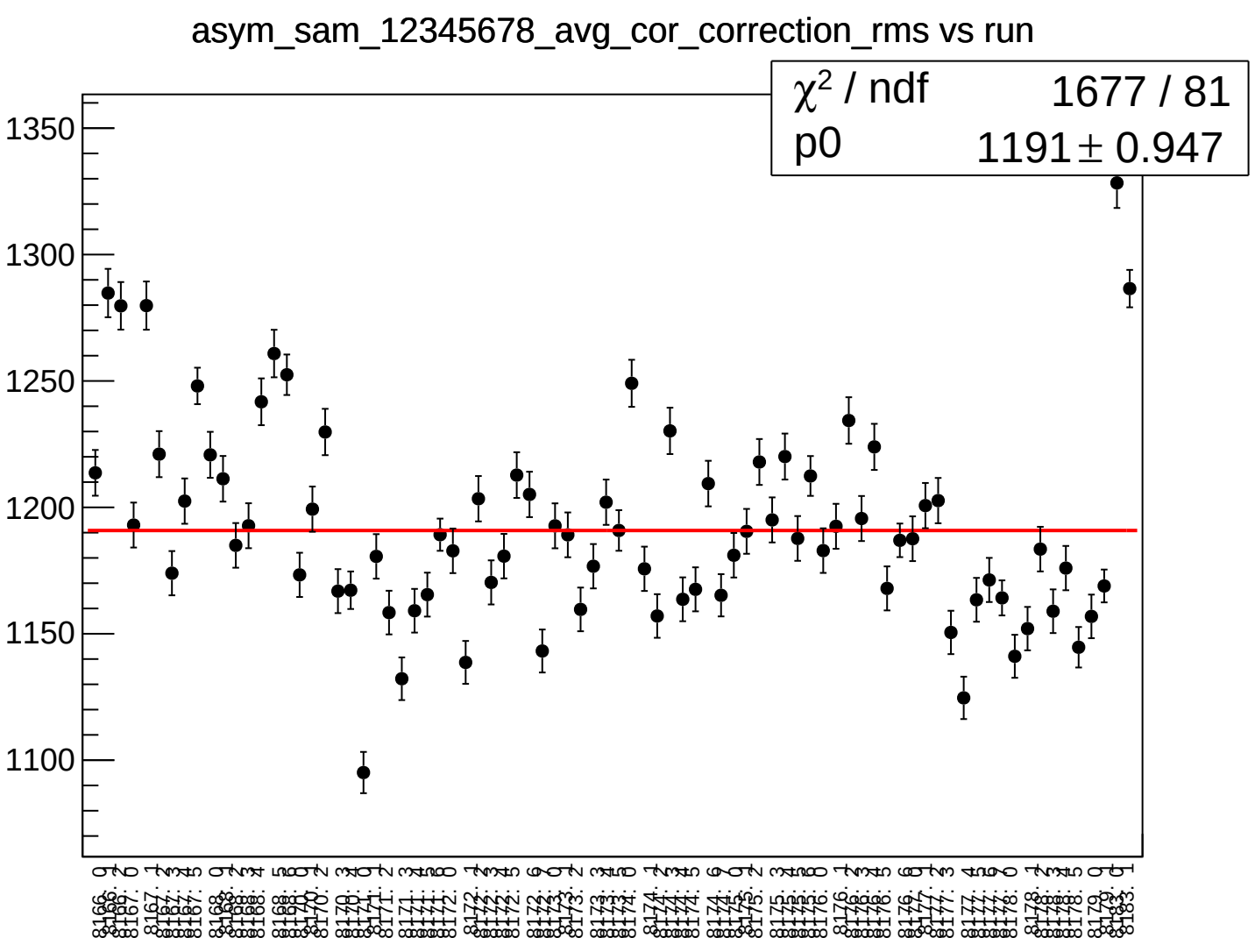

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 1677 / 81
p0 1191 ± 0.947
1350
1300
1250
1200
1150
1100

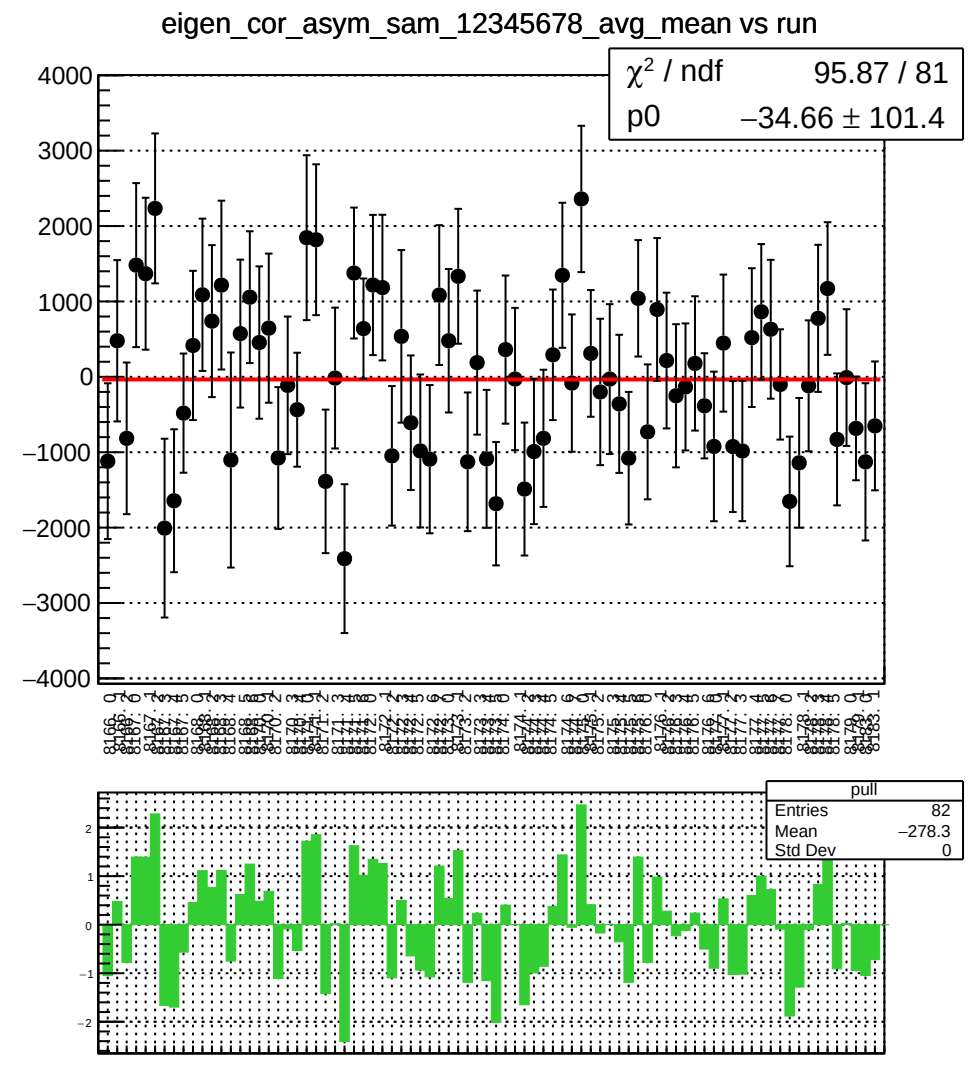

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 95.87 / 81
p0 −34.66 ± 101.4
pull
Entries 82
Mean −278.3
Std Dev 0

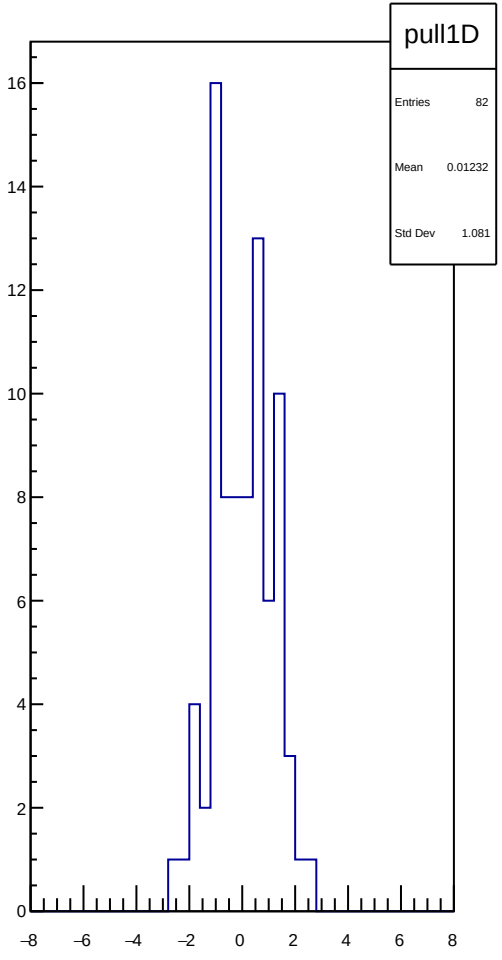

pull1D
Entries 82
Mean 0.01232
Std Dev 1.081

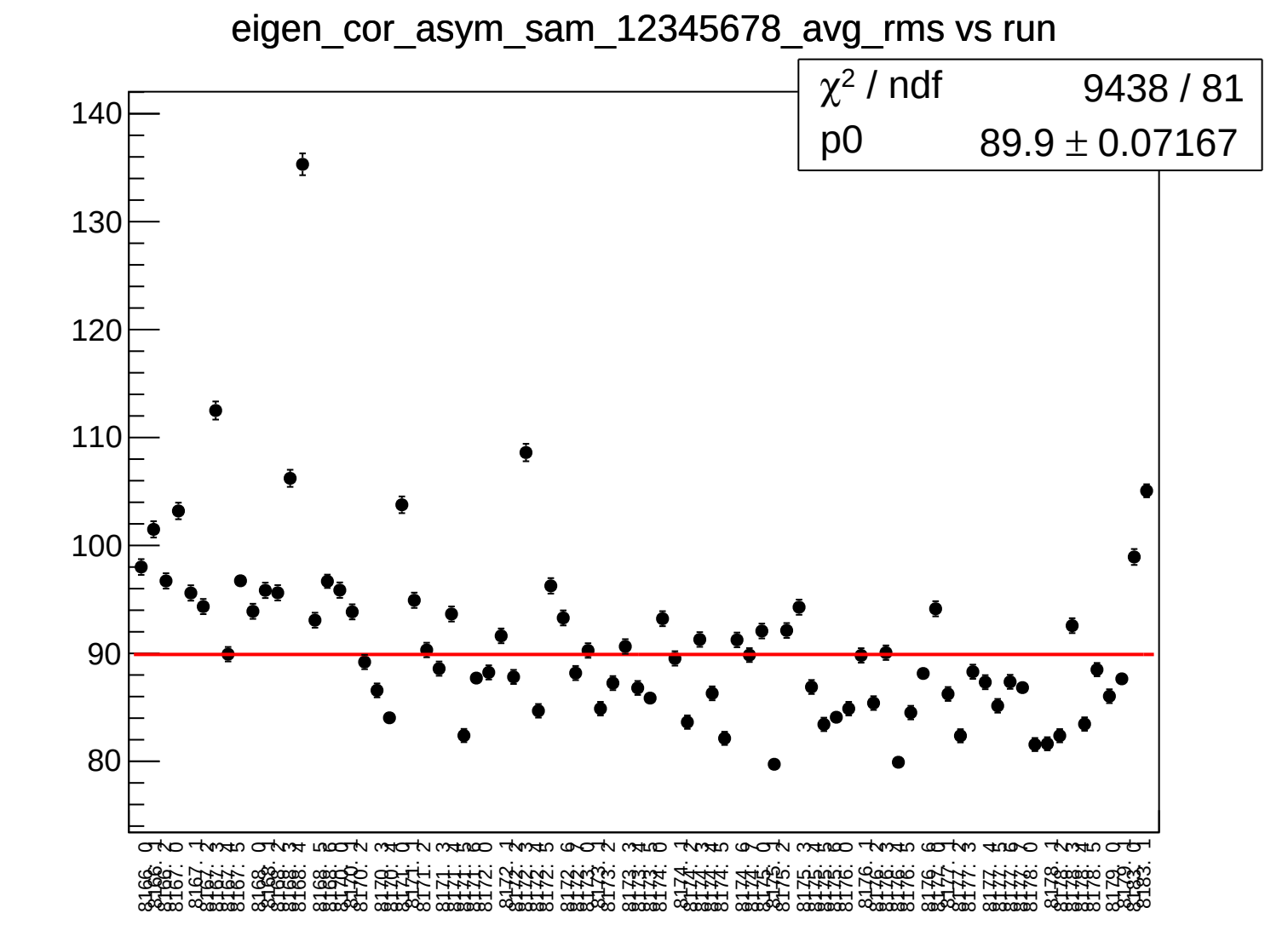

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 9438 / 81
p0 89.9 ± 0.07167
140
130
120
110
100
90
80

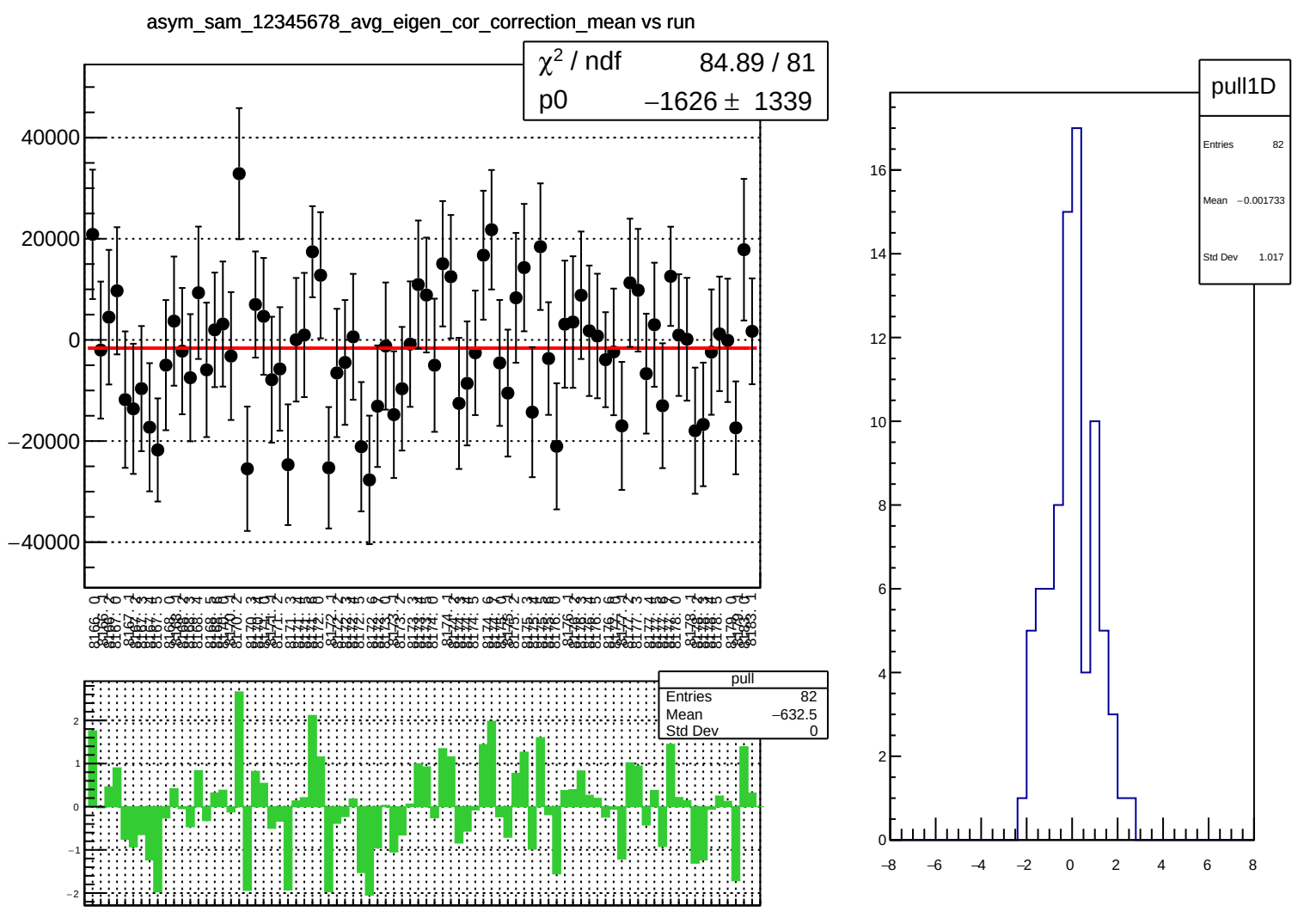

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 84.89 / 81
p0 −1626 ± 1339
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −632.5
Std Dev 0
pull1D
Entries 82
Mean −0.001733
Std Dev 1.017

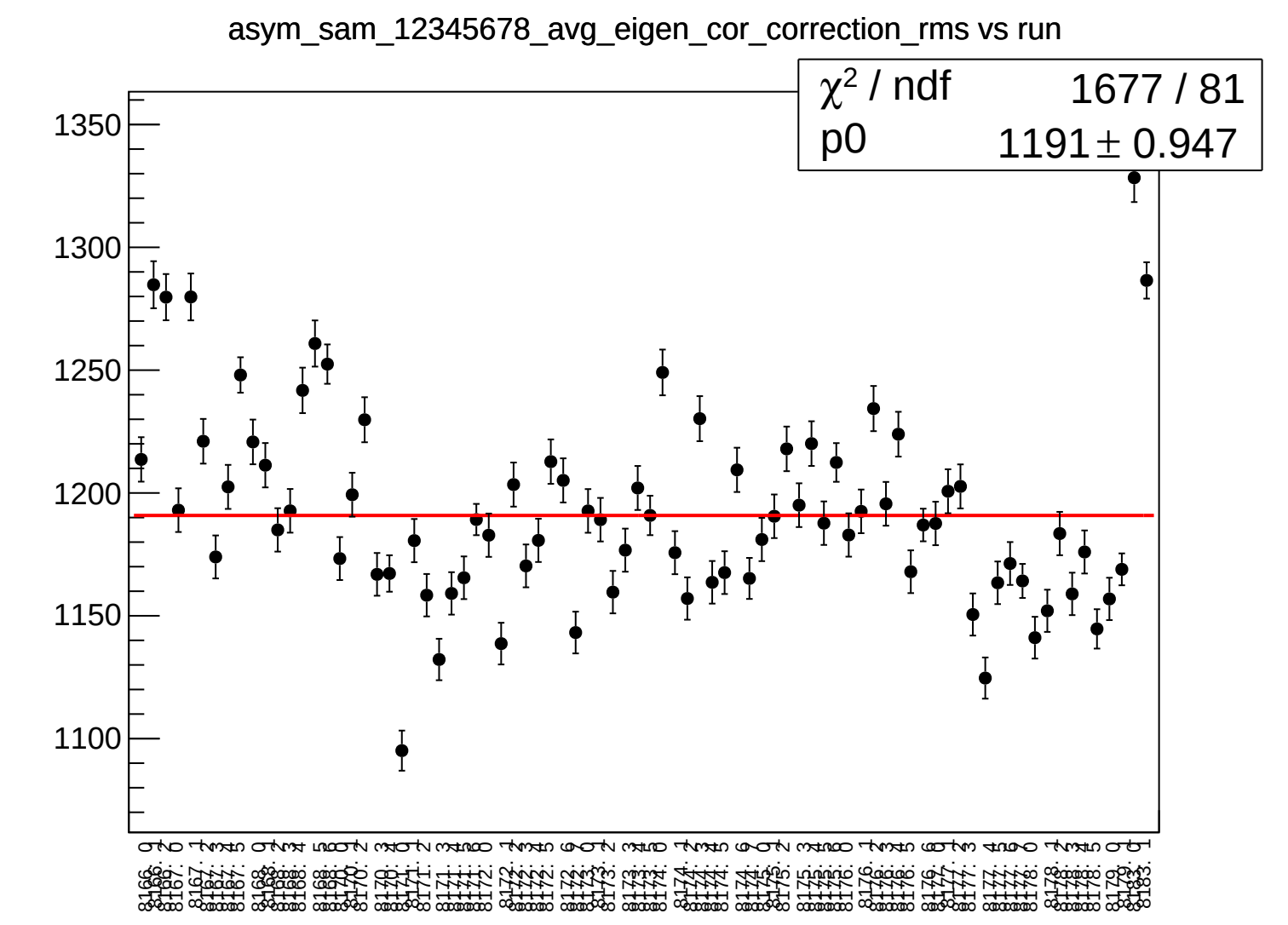

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 1677 / 81
p0 1191 ± 0.947
1350
1300
1250
1200
1150
1100

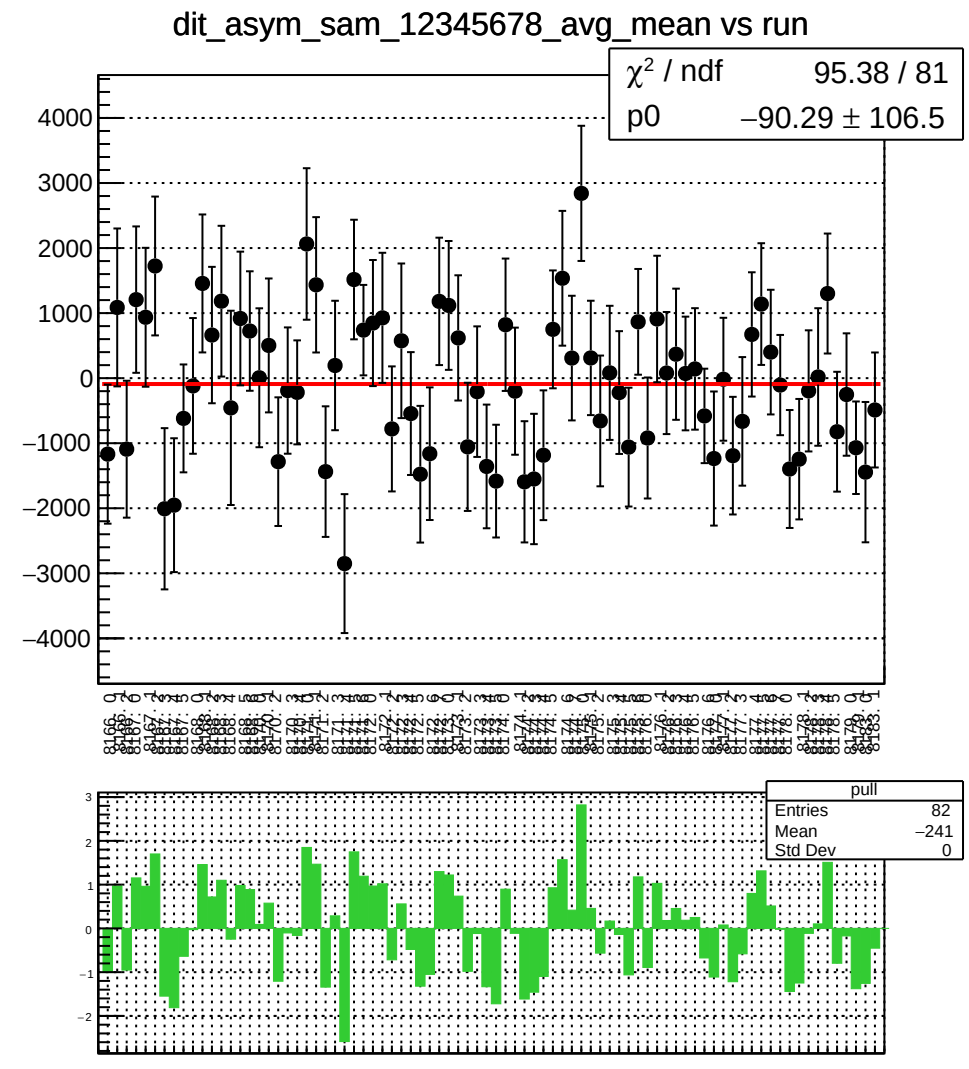

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 95.87 / 81
p0 −34.66 ± 101.4
pull
Entries 82
Mean −278.3
Std Dev 0

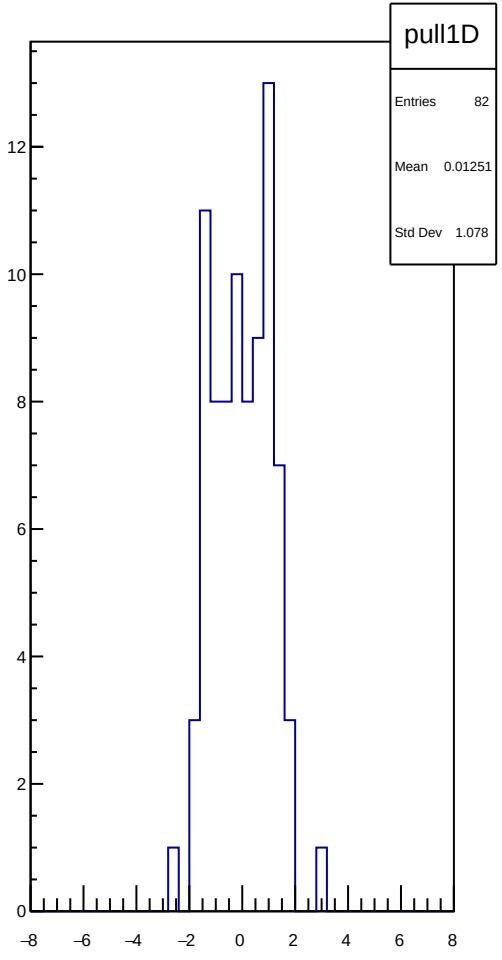

pull1D
Entries 82
Mean 0.01232
Std Dev 1.081

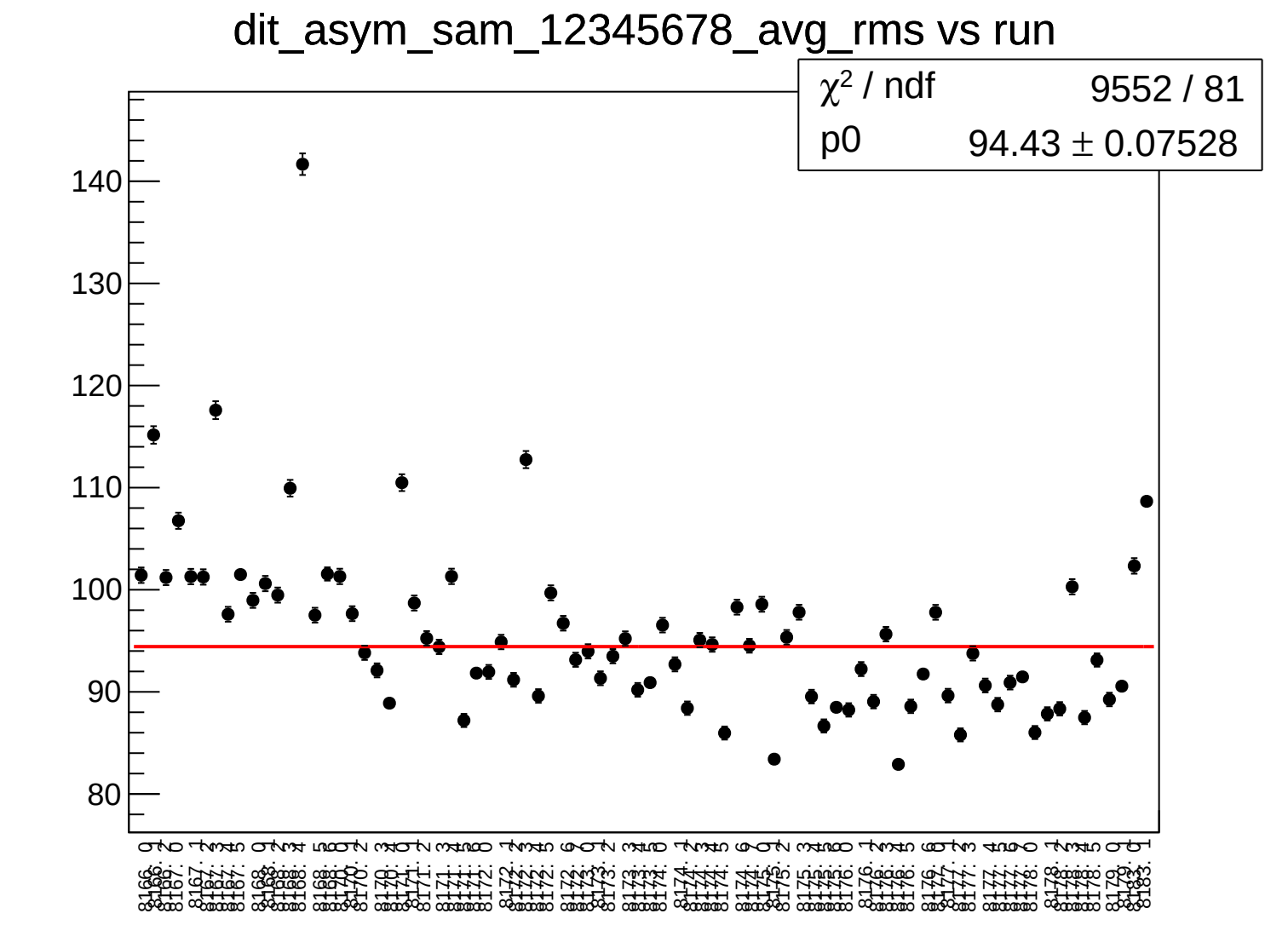

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 9438 / 81
p0 89.9 ± 0.07167
140
130
120
110
100
90
80

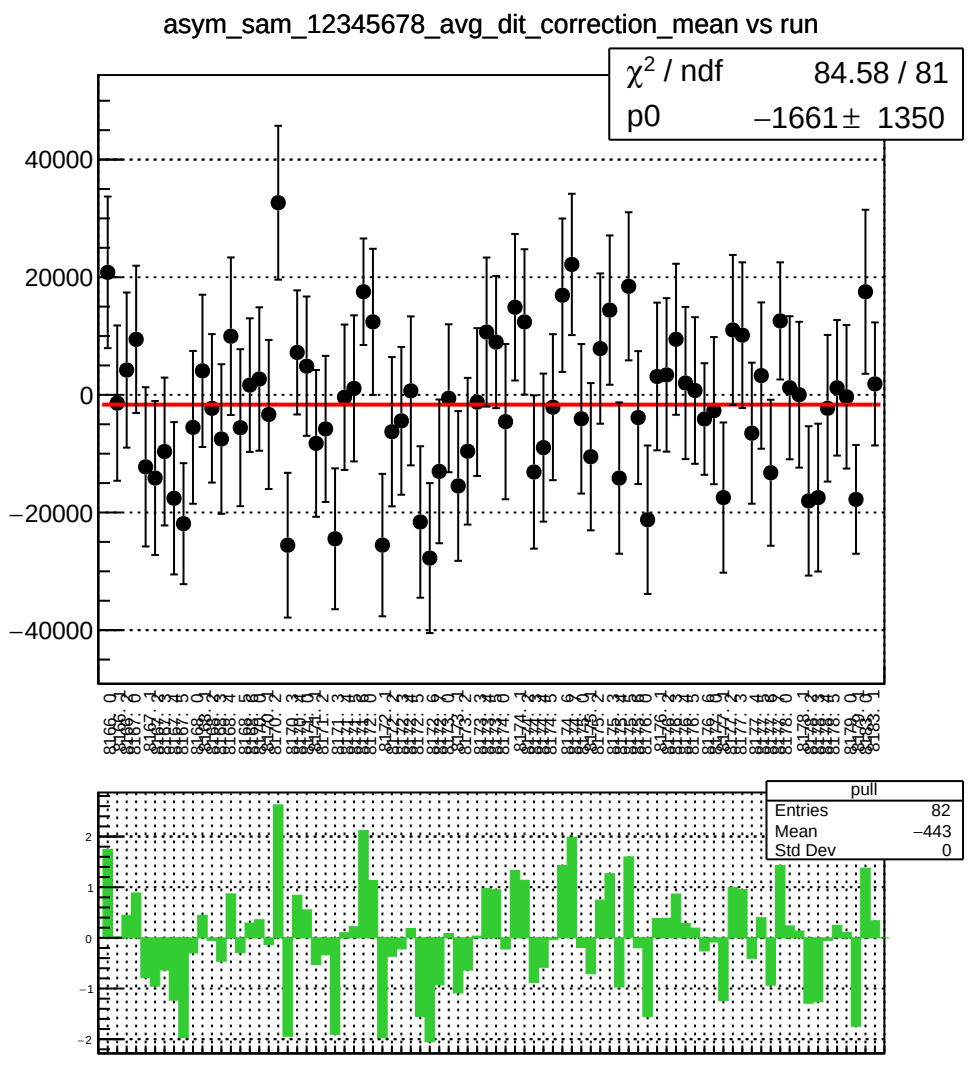

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.89 / 81
p0 −1626 ± 1339
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −632.5
Std Dev 0
pull1D
Entries 82
Mean −0.001733
Std Dev 1.017

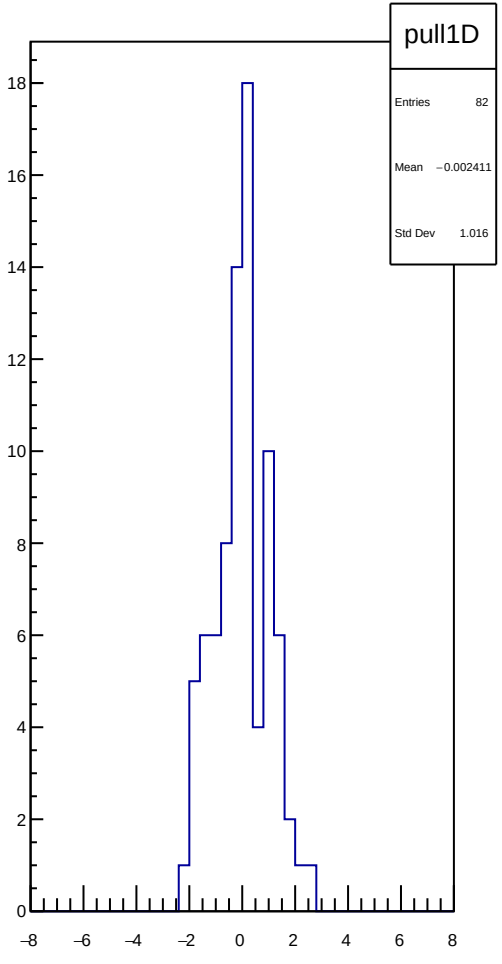

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 1677 / 81
p0 1191 ± 0.947
1350
1300
1250
1200
1150
1100

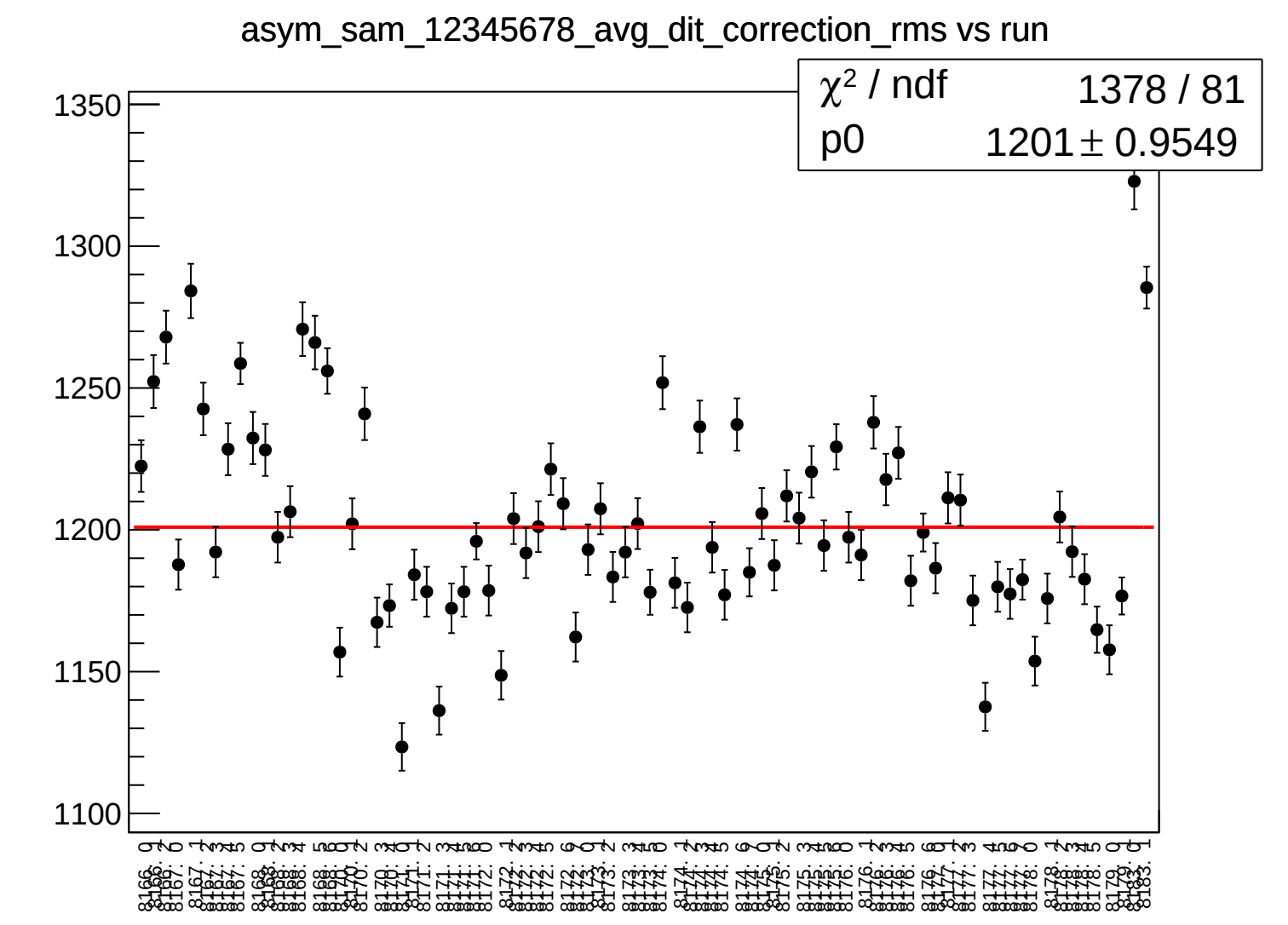

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 95.38 / 81
p0 −90.29 ± 106.5
pull
Entries 82
Mean −241
Std Dev 0

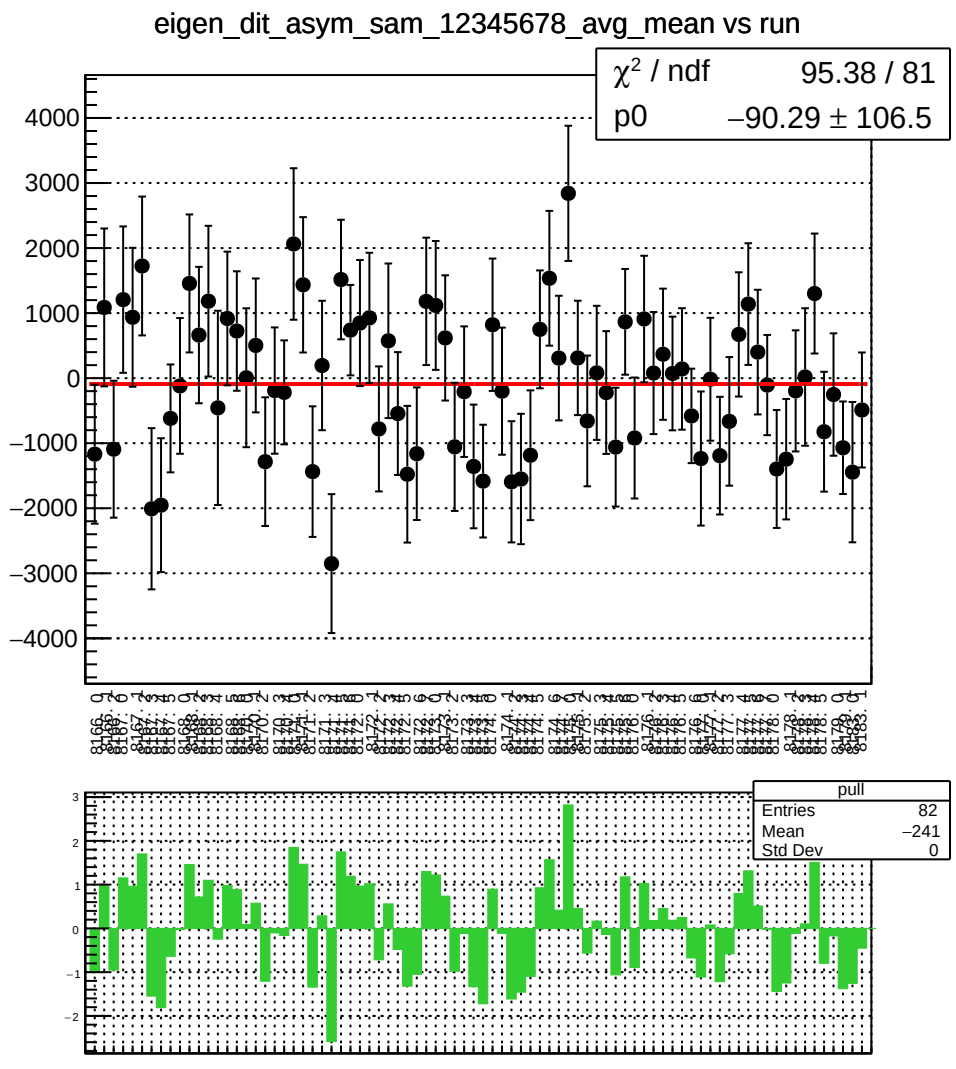

pull1D
Entries 82
Mean 0.01251
Std Dev 1.078

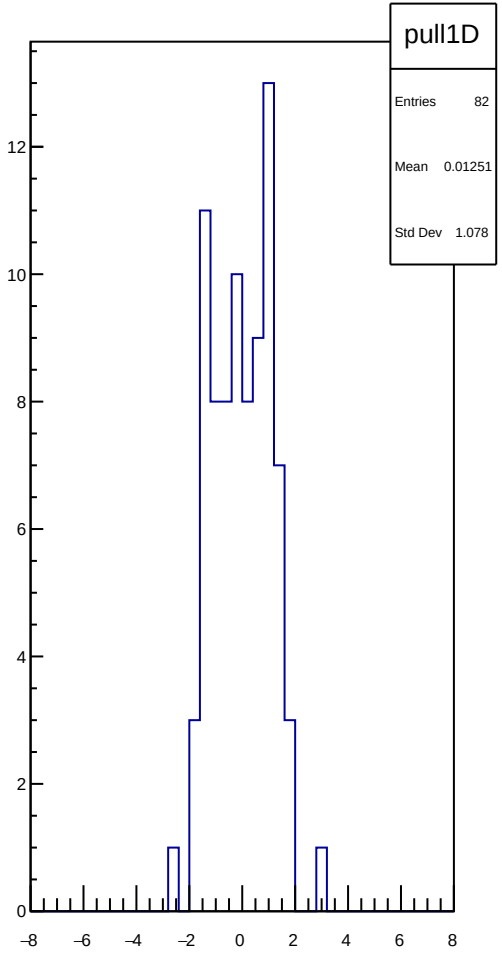

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 9552 / 81
p0 94.43 ± 0.07528
140
130
120
110
100
90
80

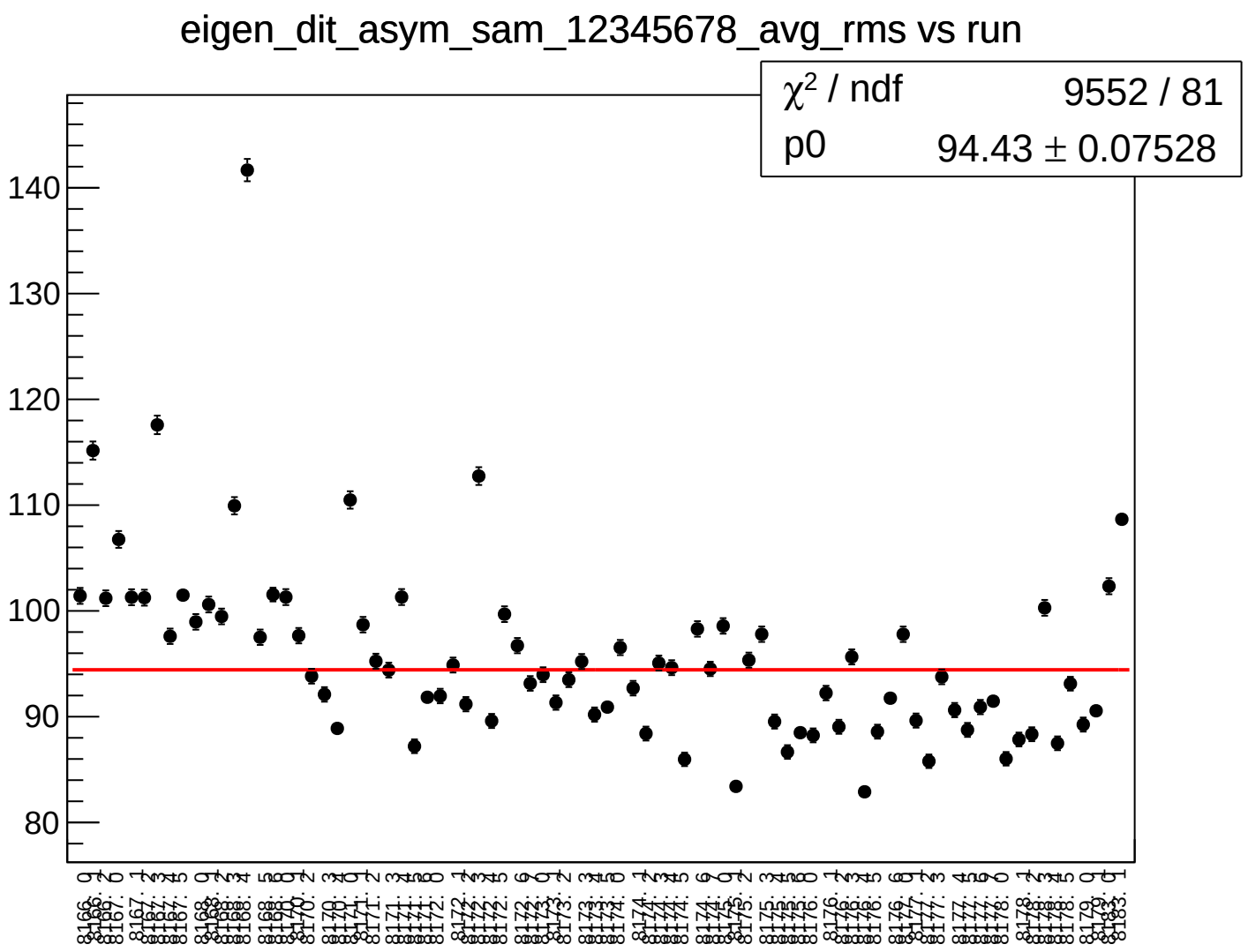

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 84.58 / 81
p0 −1661 ± 1350
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −443
Std Dev 0
2
1
0
−1
−2

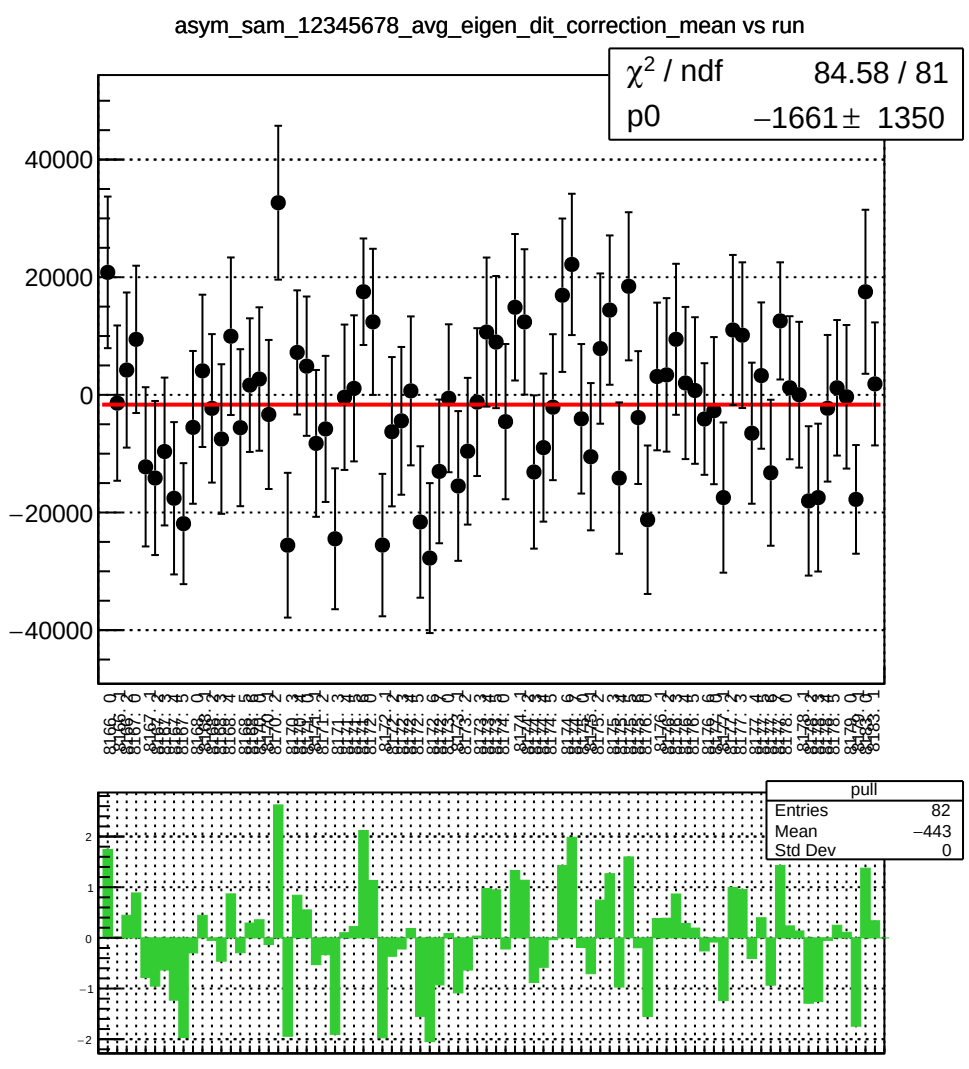

pull1D
Entries 82
Mean −0.002411
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

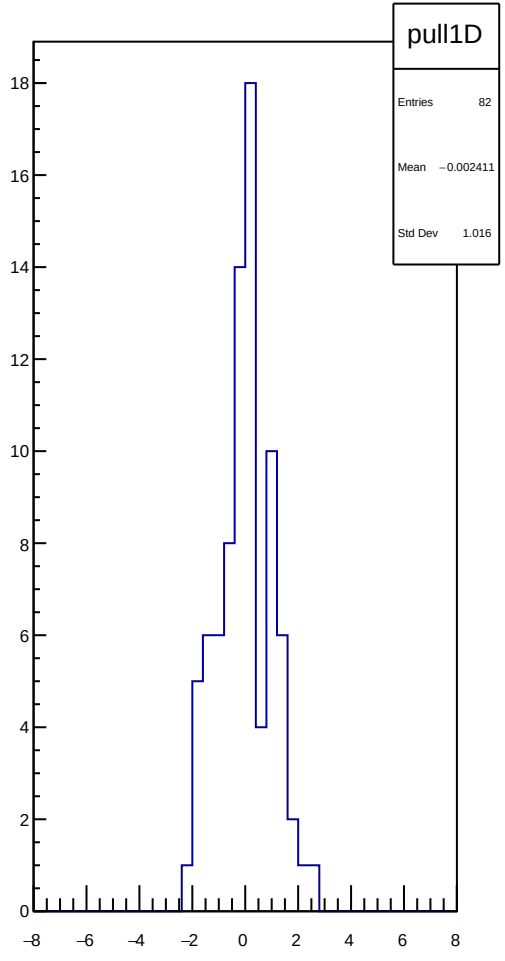

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 1378 / 81
p0 1201 ± 0.9549
1350
1300
1250
1200
1150
1100

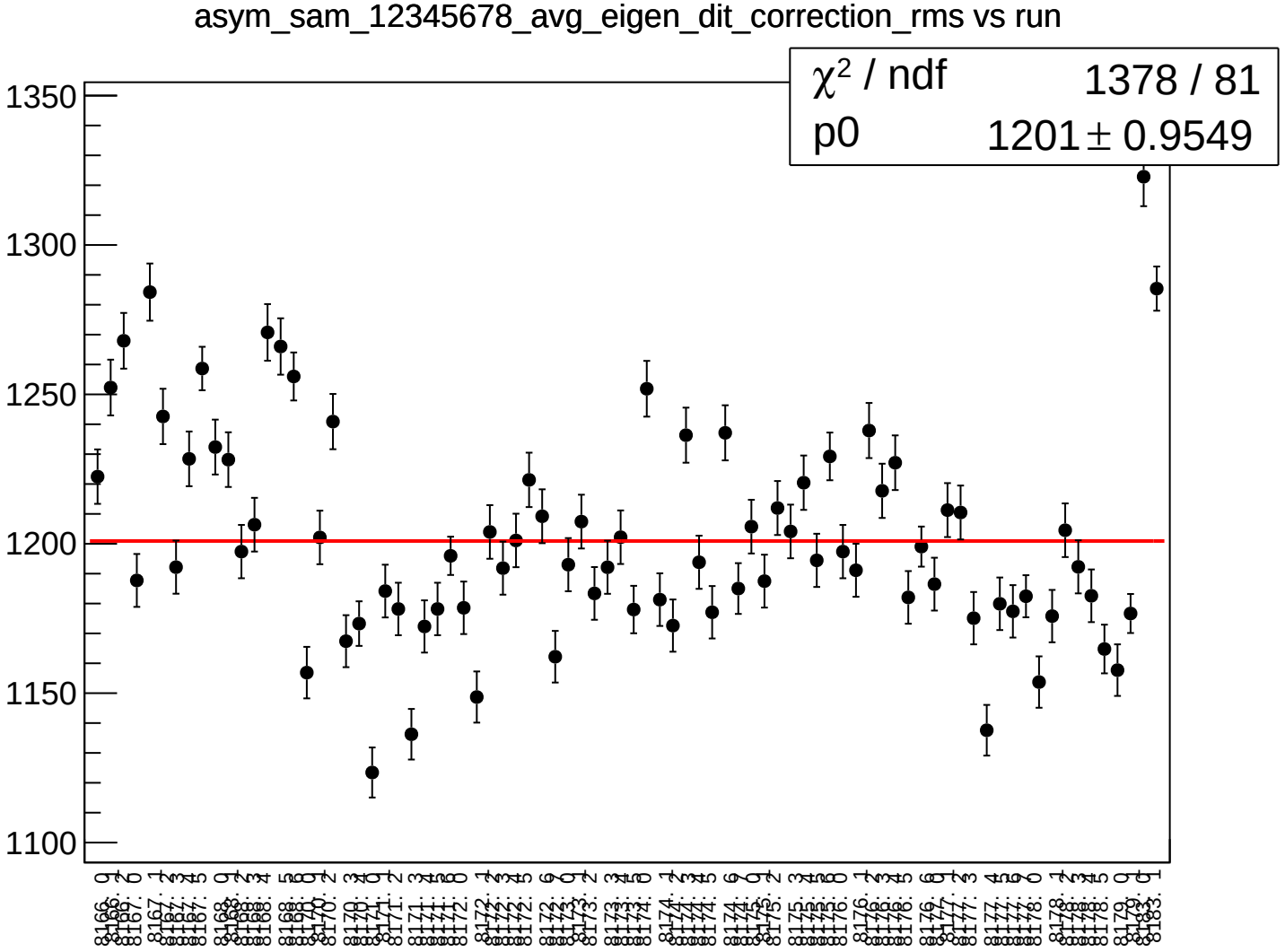

eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 95.38 / 81
p0 −90.29 ± 106.5
pull
Entries 82
Mean −241
Std Dev 0

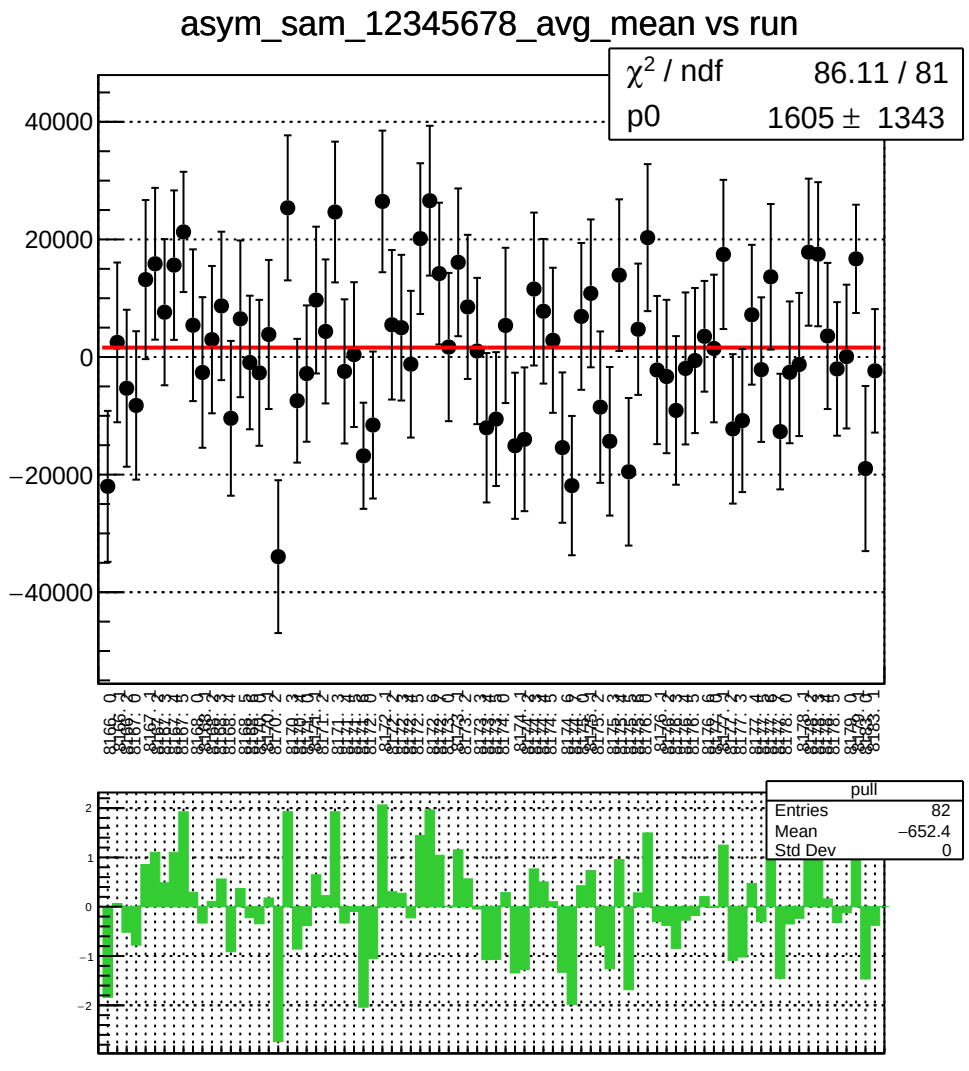

pull1D
Entries 82
Mean 0.01251
Std Dev 1.078

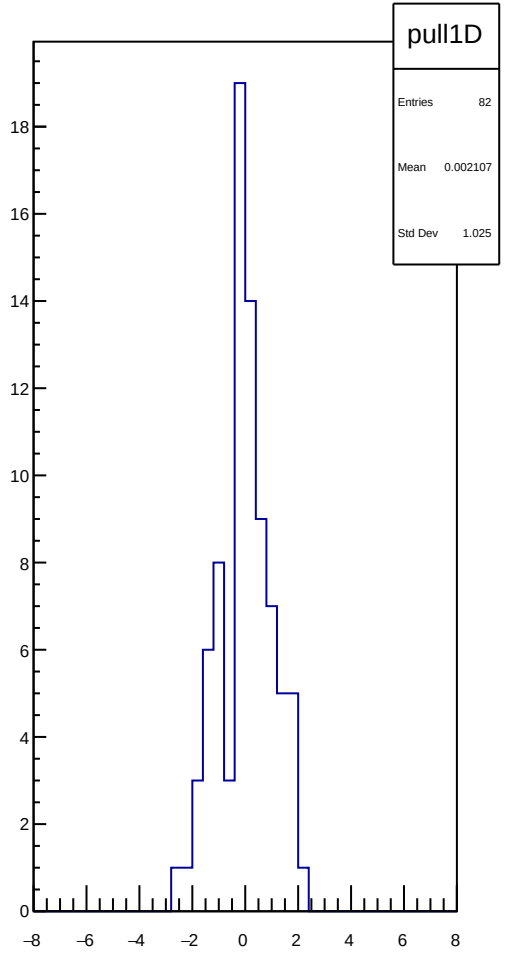

eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 9552 / 81
p0 94.43 ± 0.07528
140
130
120
110
100
90
80

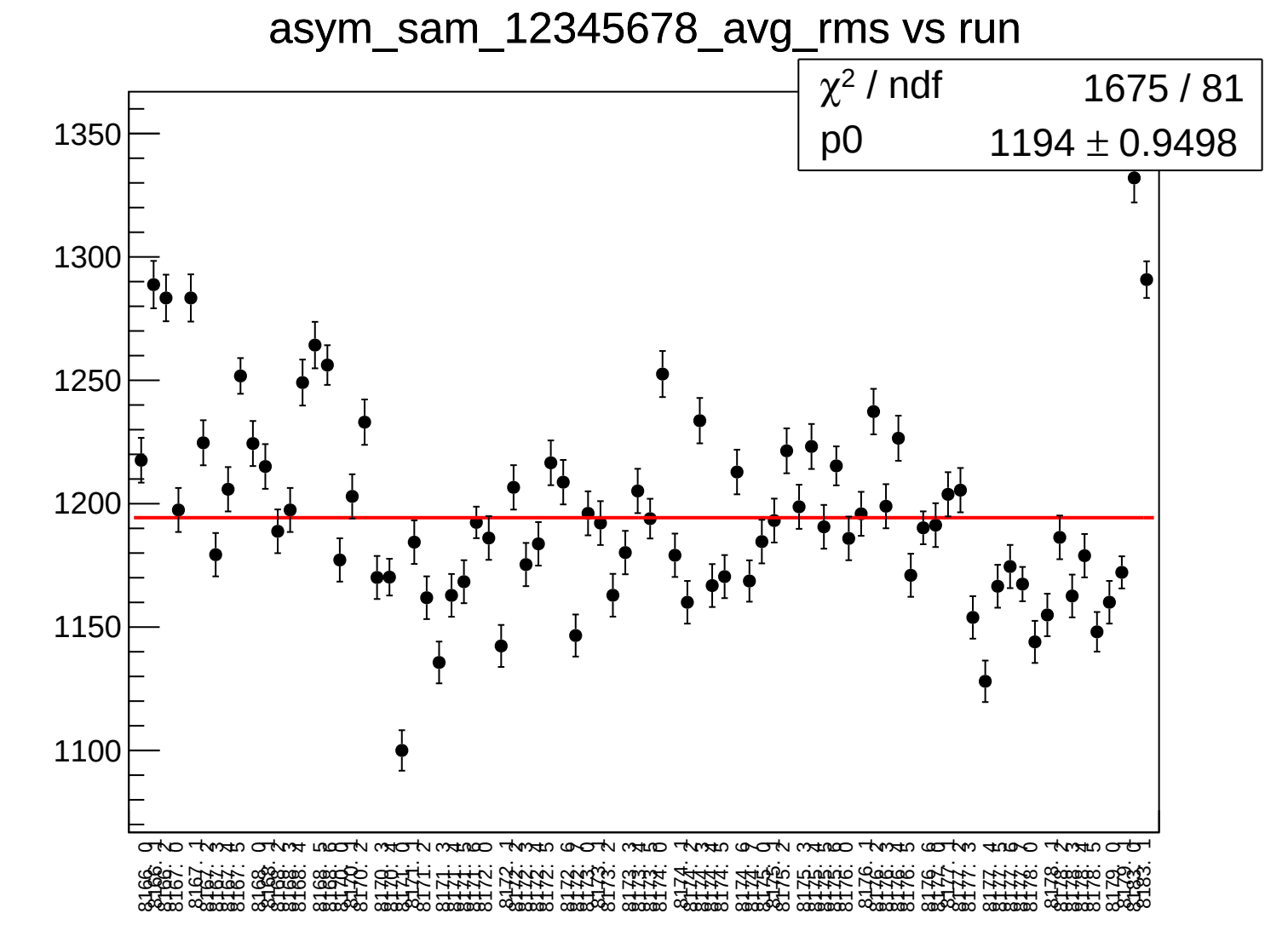

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.58 / 81
p0 −1661 ± 1350
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −443
Std Dev 0
2
1
0
−1
−2

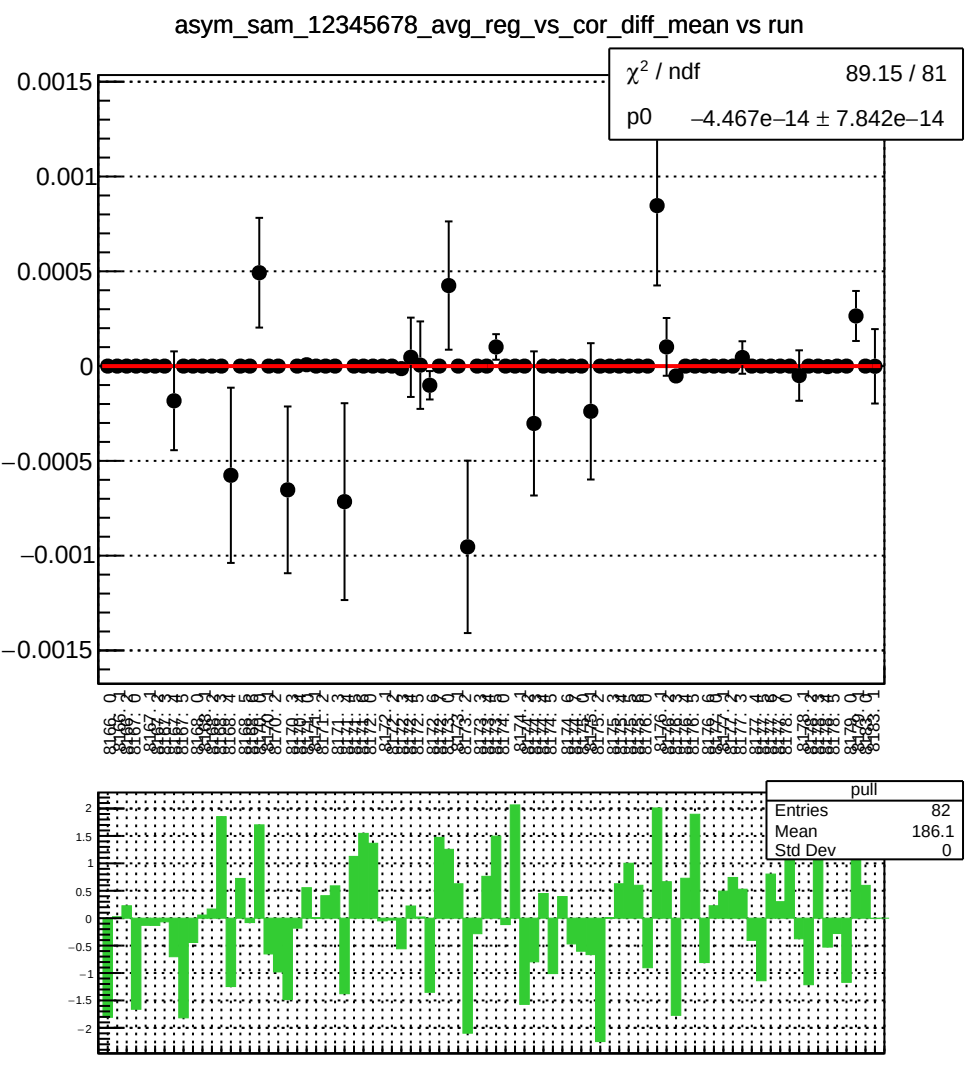

pull1D
Entries 82
Mean −0.002411
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

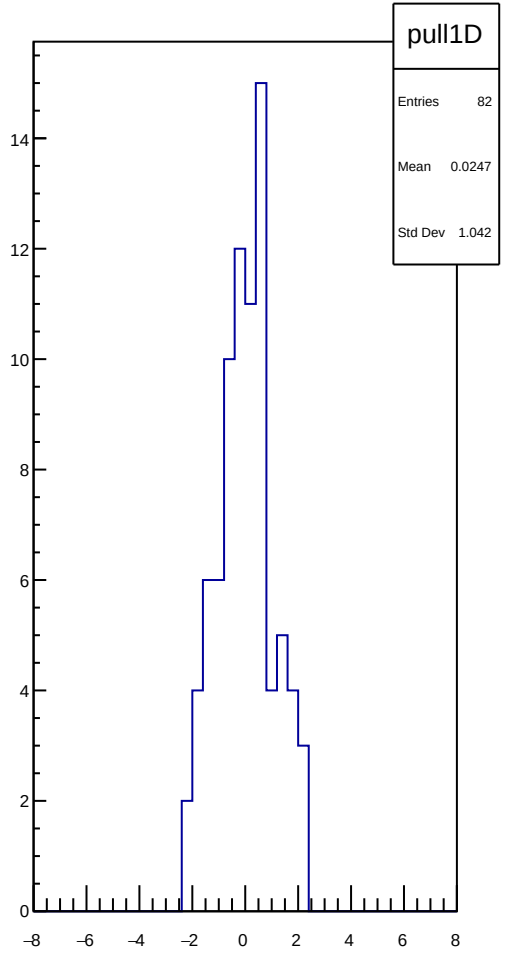

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 1378 / 81
p0 1201 ± 0.9549
1350
1300
1250
1200
1150
1100

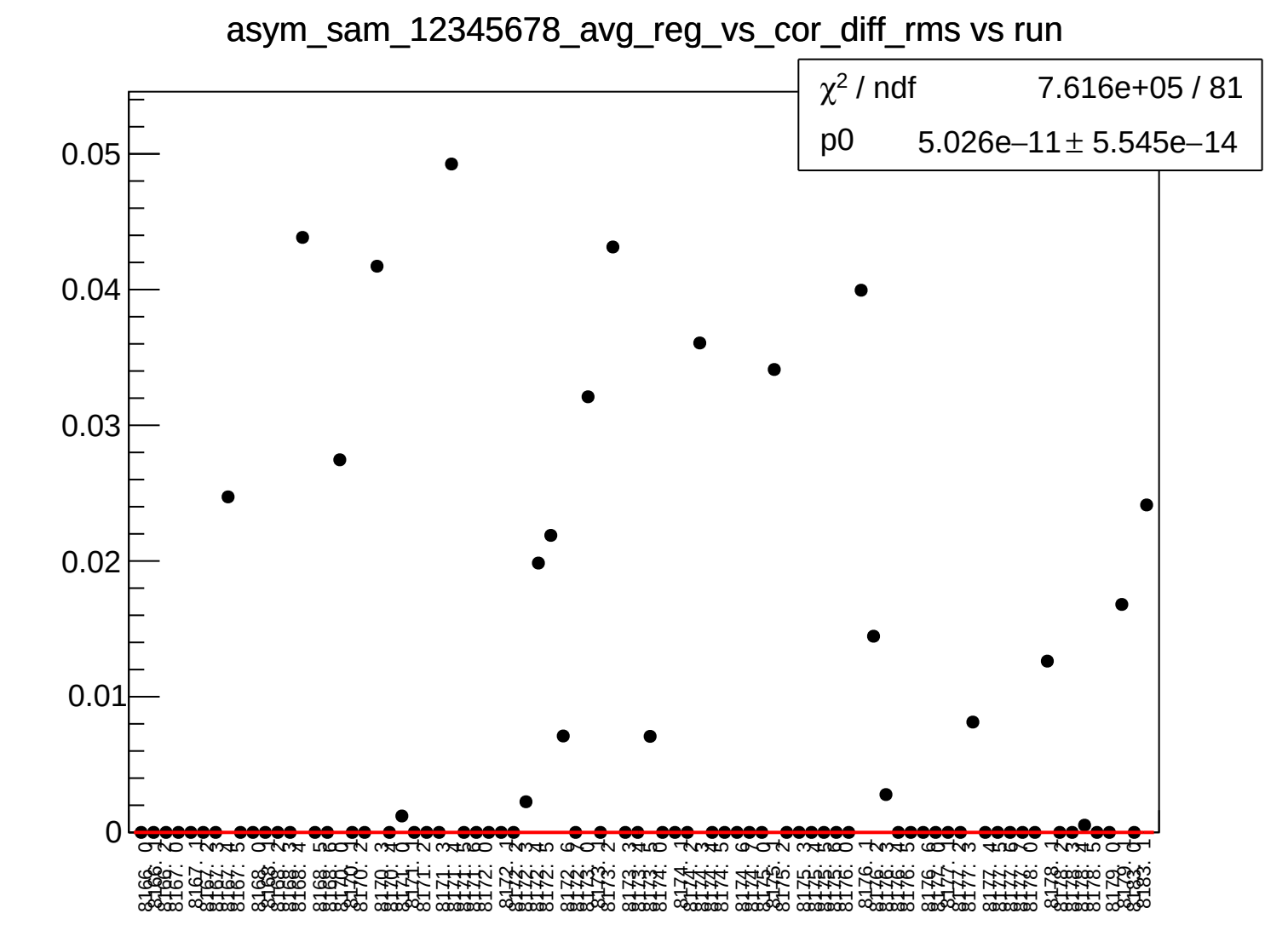

asym_sam_12345678_avg_mean vs run
χ² / ndf 86.11 / 81
p0 1605 ± 1343
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −652.4
Std Dev 0
2
1
0
−1
−2

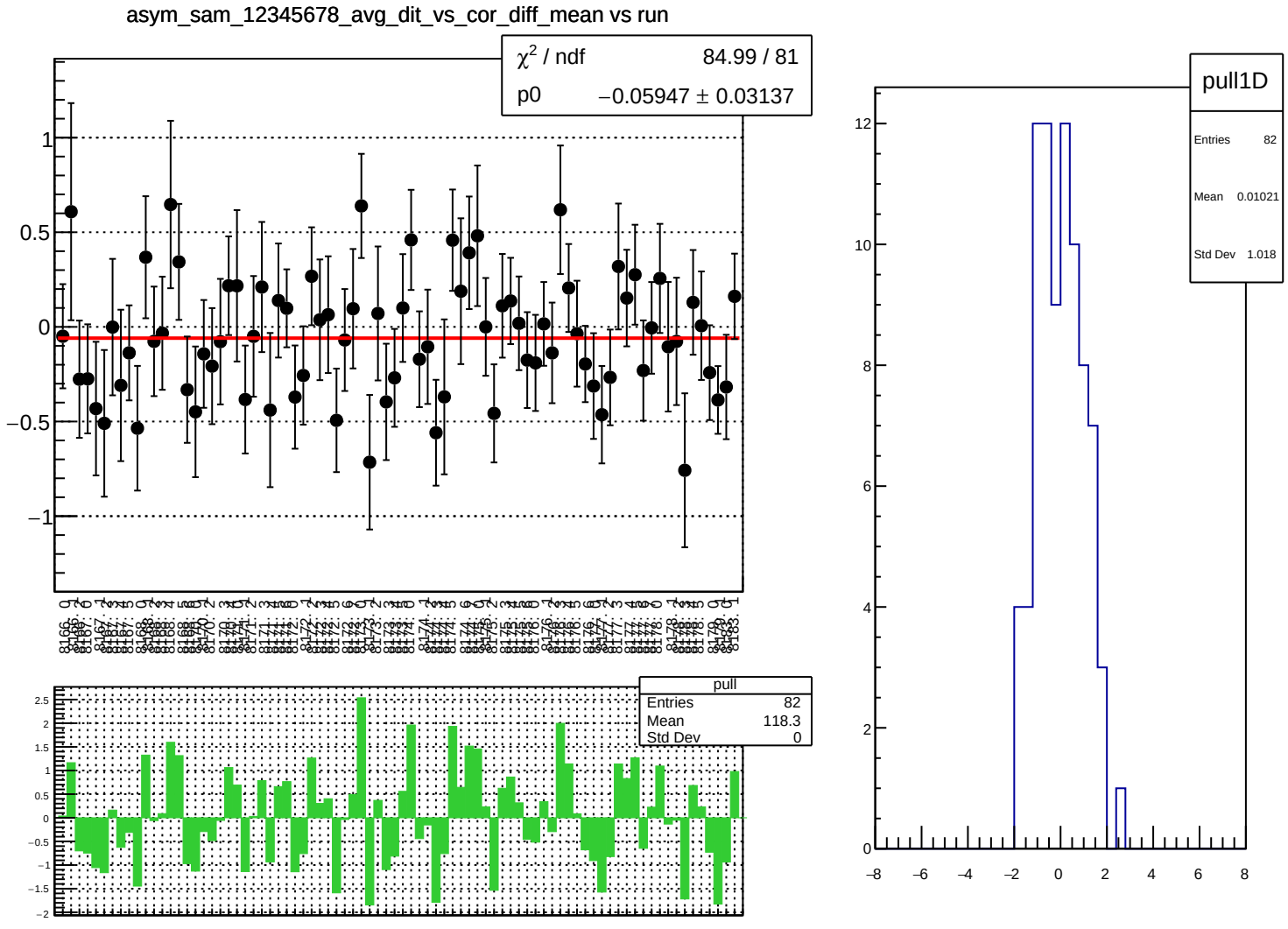

pull1D
Entries 82
Mean 0.002107
Std Dev 1.025
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

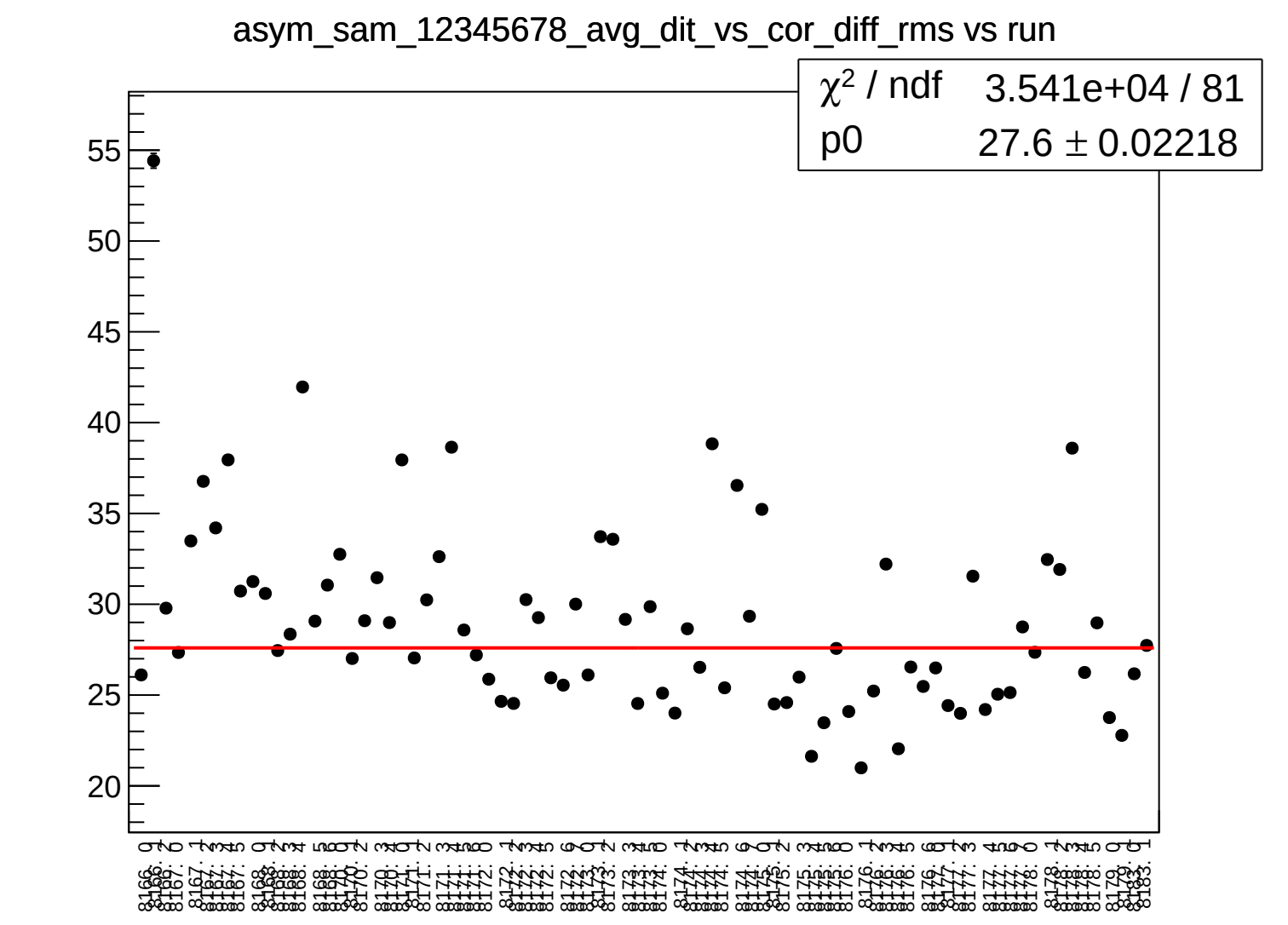

asym_sam_12345678_avg_rms vs run
χ² / ndf 1675 / 81
p0 1194 ± 0.9498
1350
1300
1250
1200
1150
1100

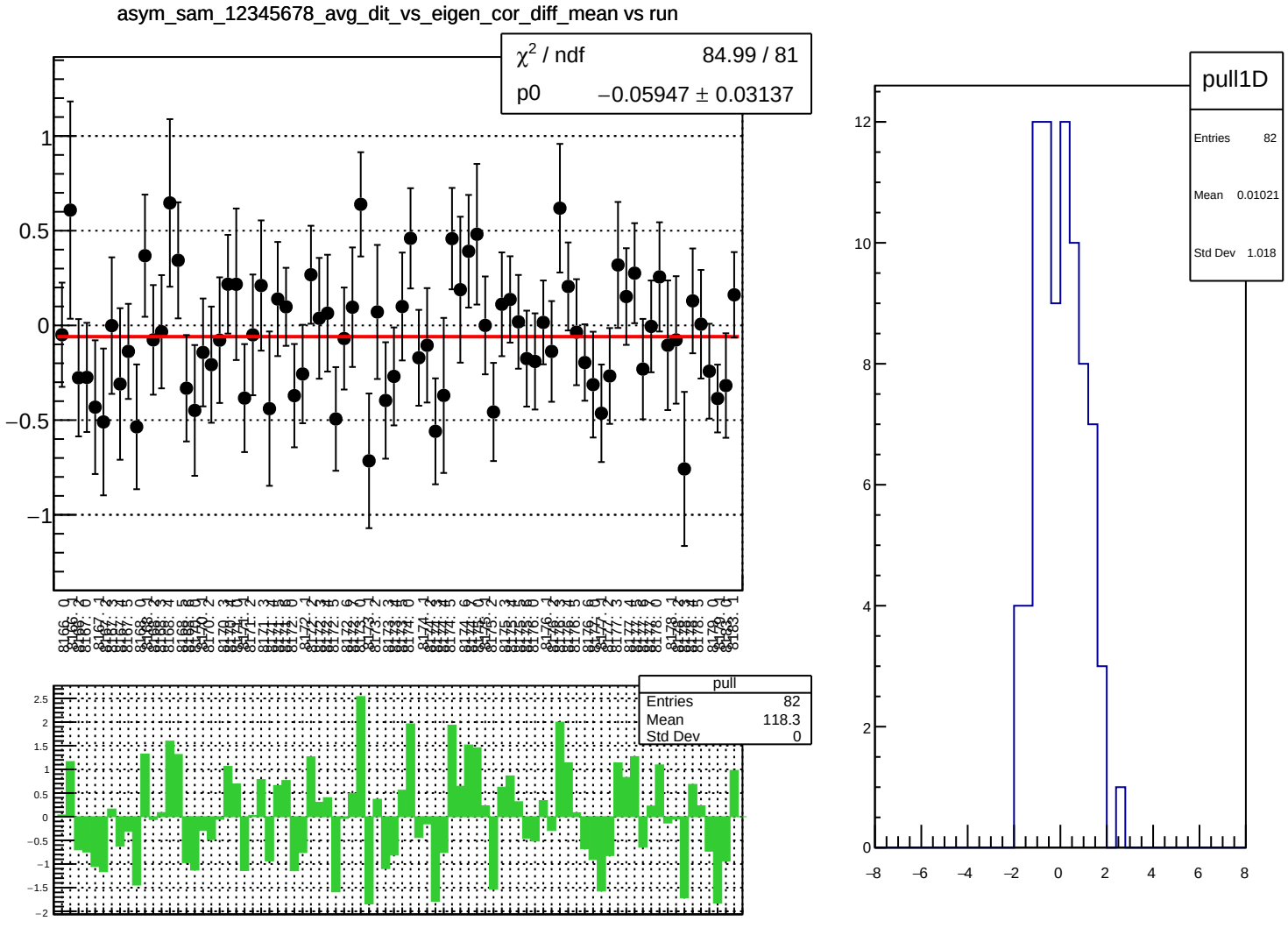

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 89.15 / 81
p0 −4.467e−14 ± 7.842e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 82
Mean 186.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

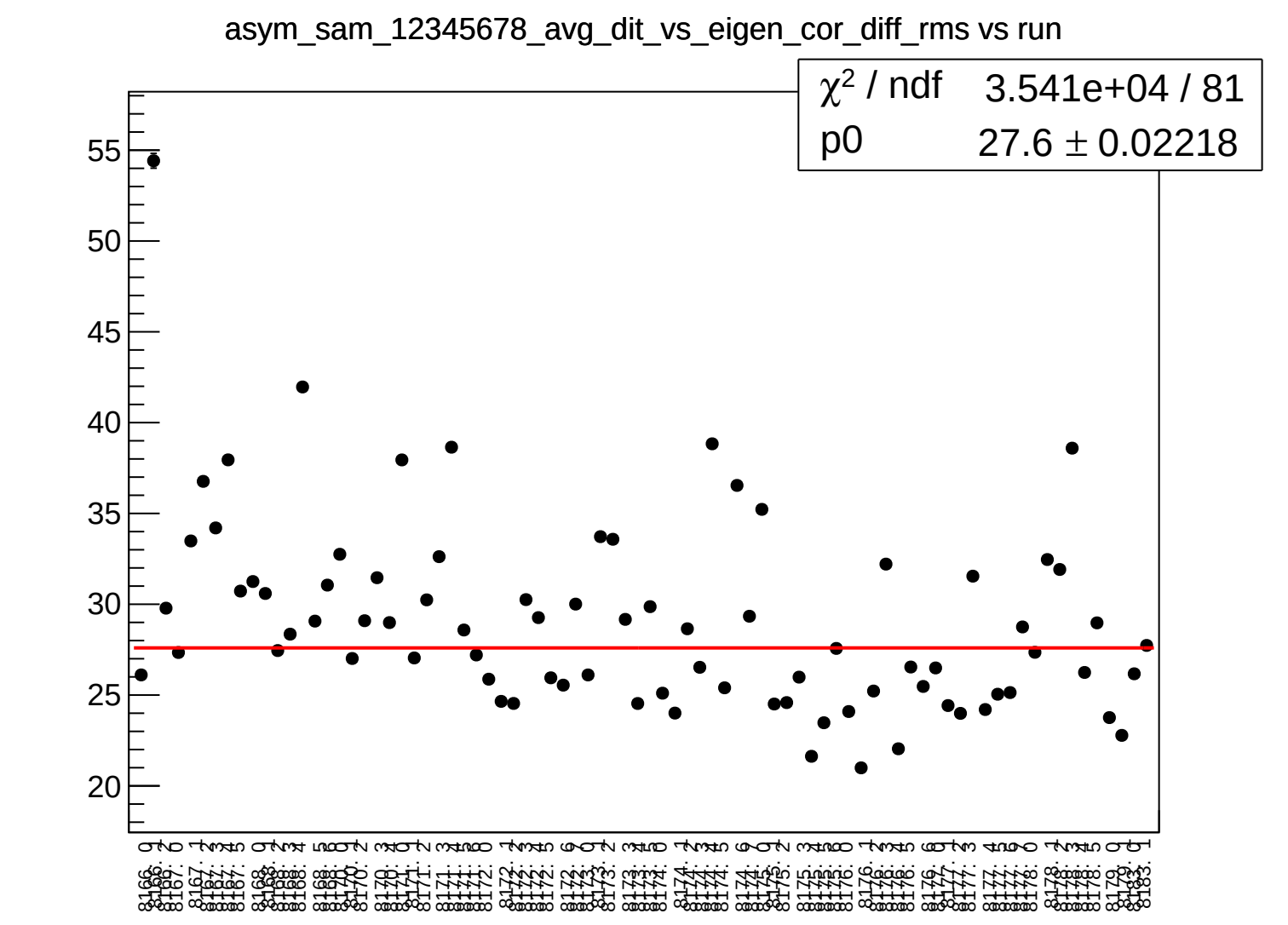

pull1D
Entries 82
Mean 0.0247
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

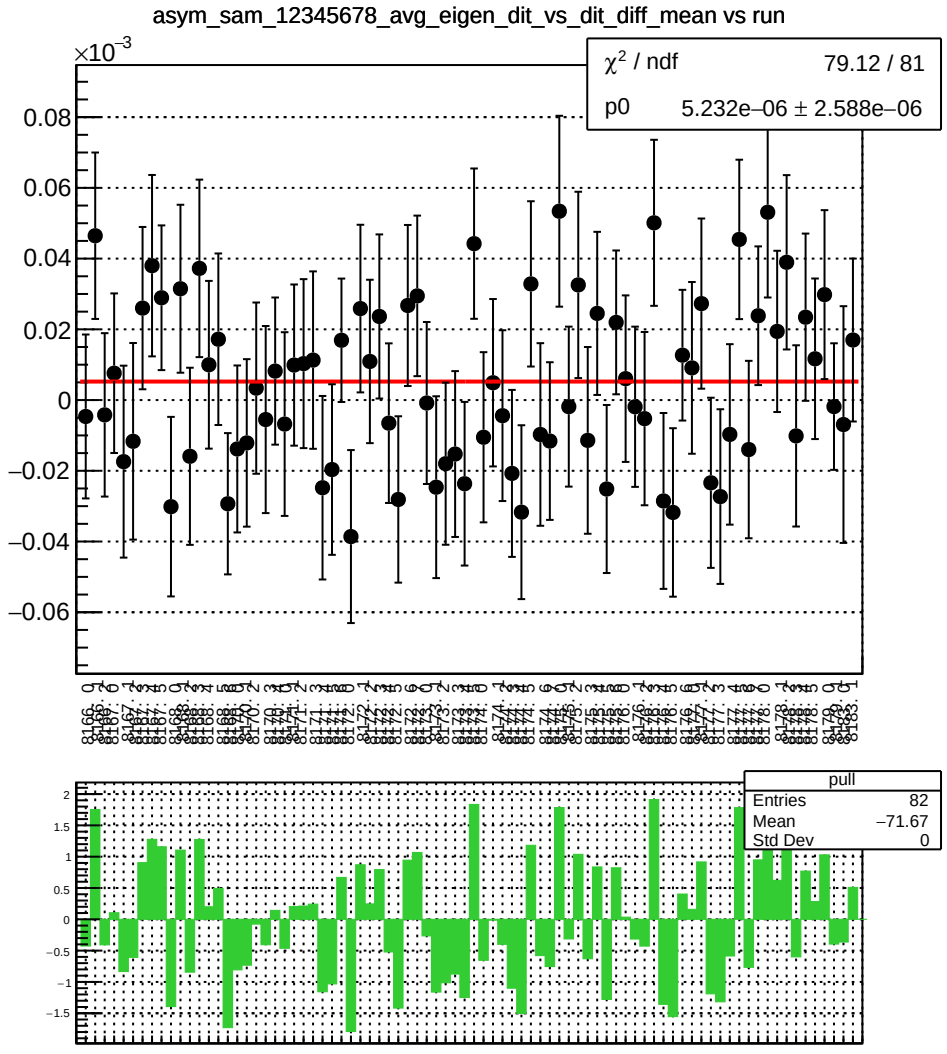

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.616e+05 / 81
p0 5.026e−11 ± 5.545e−14
0.05
0.04
0.03
0.02
0.01
0

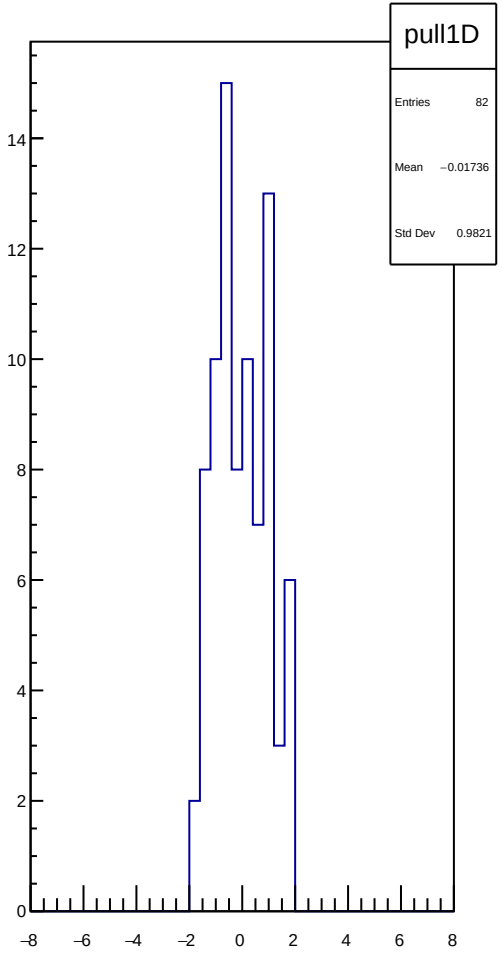

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 84.99 / 81
p0 −0.05947 ± 0.03137
pull
Entries 82
Mean 118.3
Std Dev 0
pull1D
Entries 82
Mean 0.01021
Std Dev 1.018

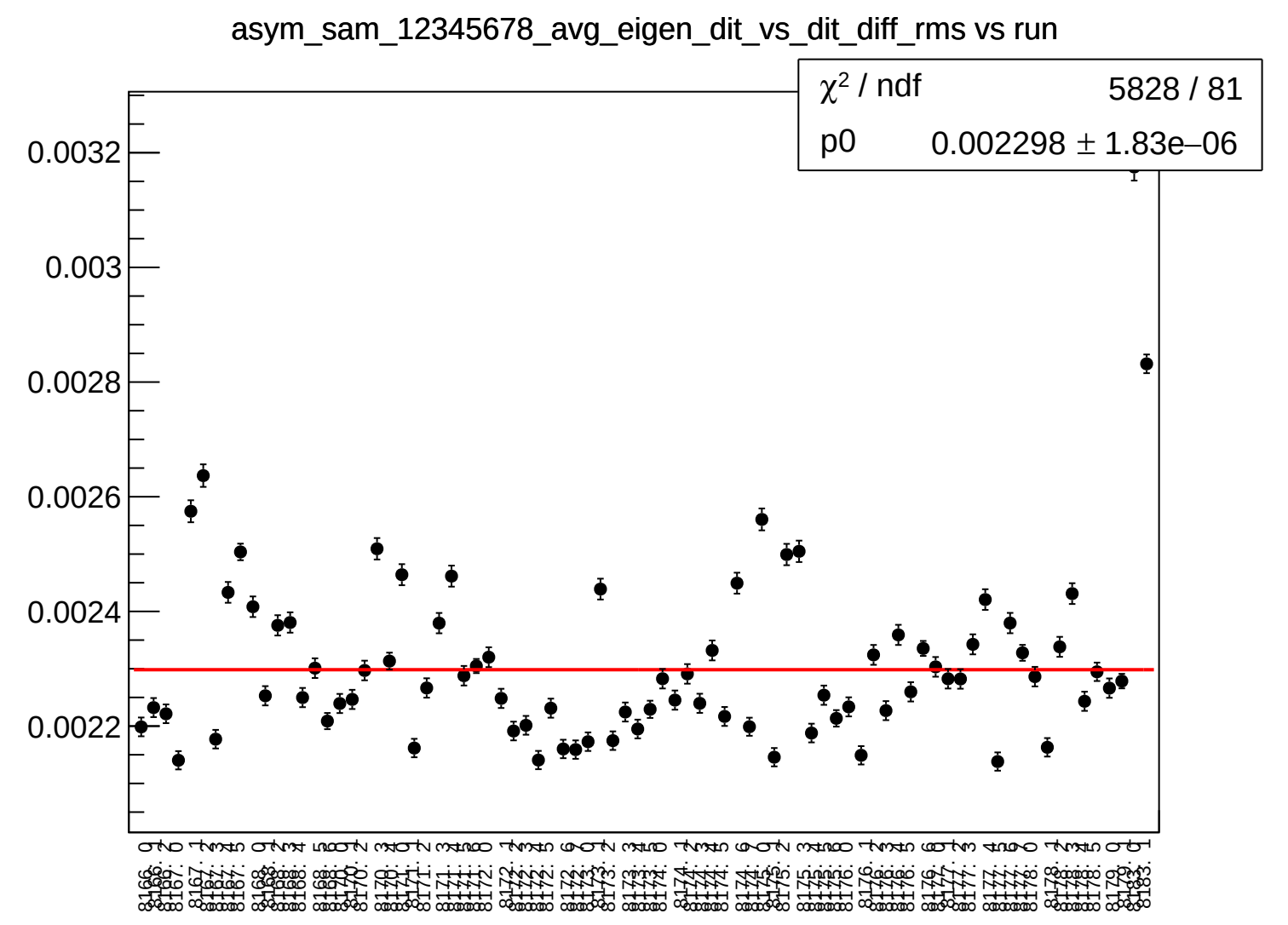

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.541e+04 / 81
p0 27.6 ± 0.02218
55
50
45
40
35
30
25
20

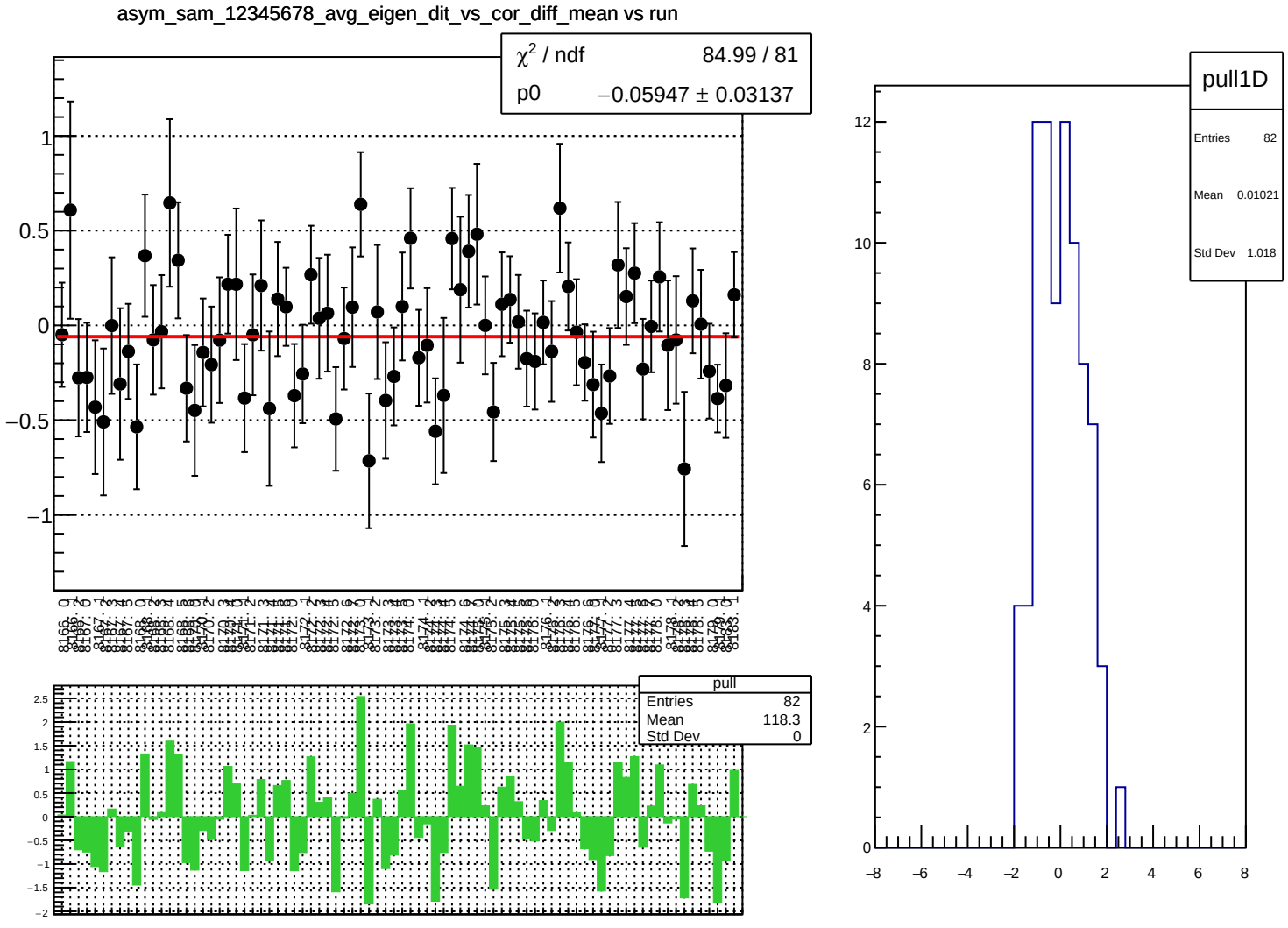

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.99 / 81
p0 −0.05947 ± 0.03137
pull
Entries 82
Mean 118.3
Std Dev 0
pull1D
Entries 82
Mean 0.01021
Std Dev 1.018

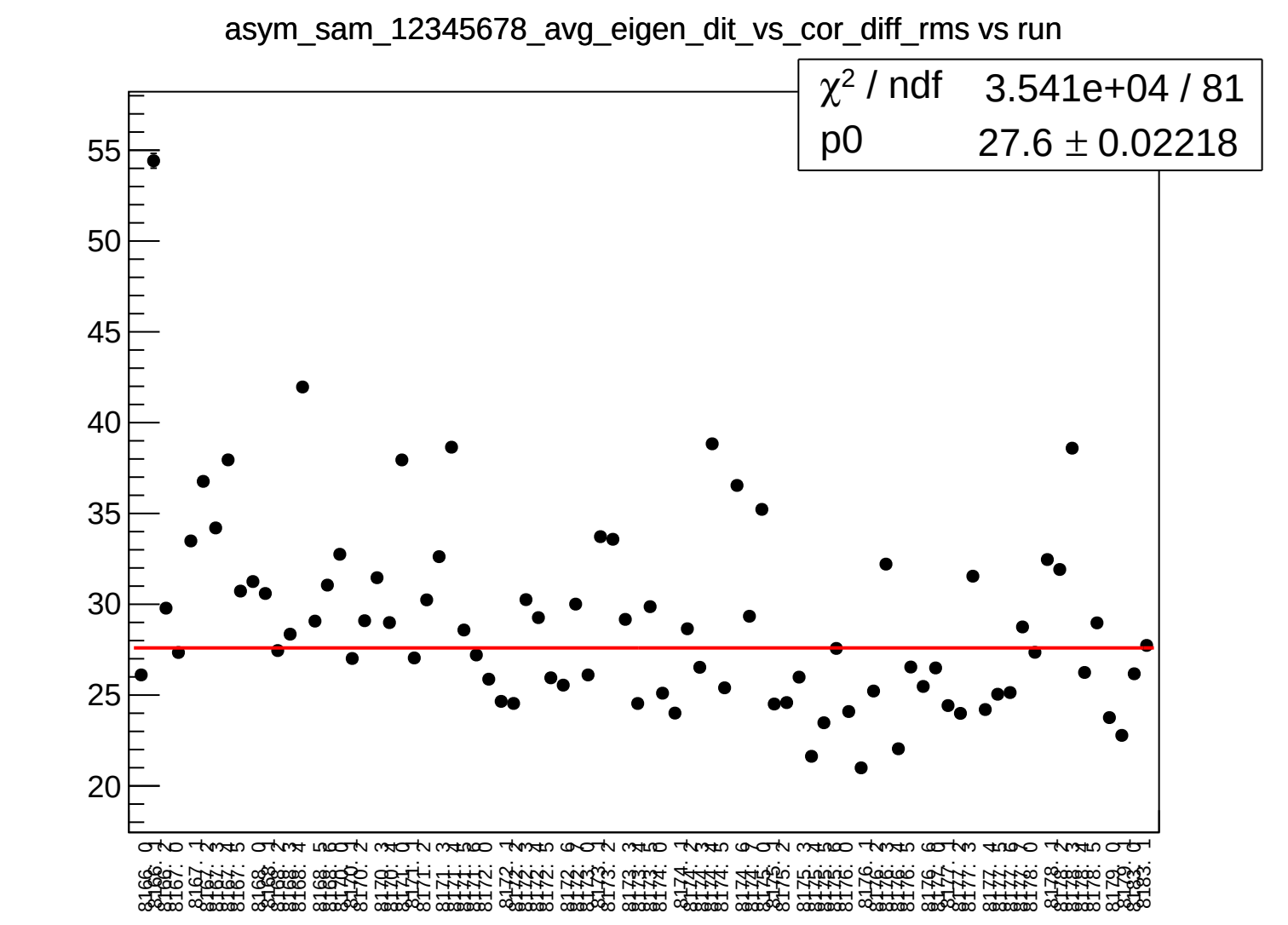

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.541e+04 / 81
p0 27.6 ± 0.02218
55
50
45
40
35
30
25
20

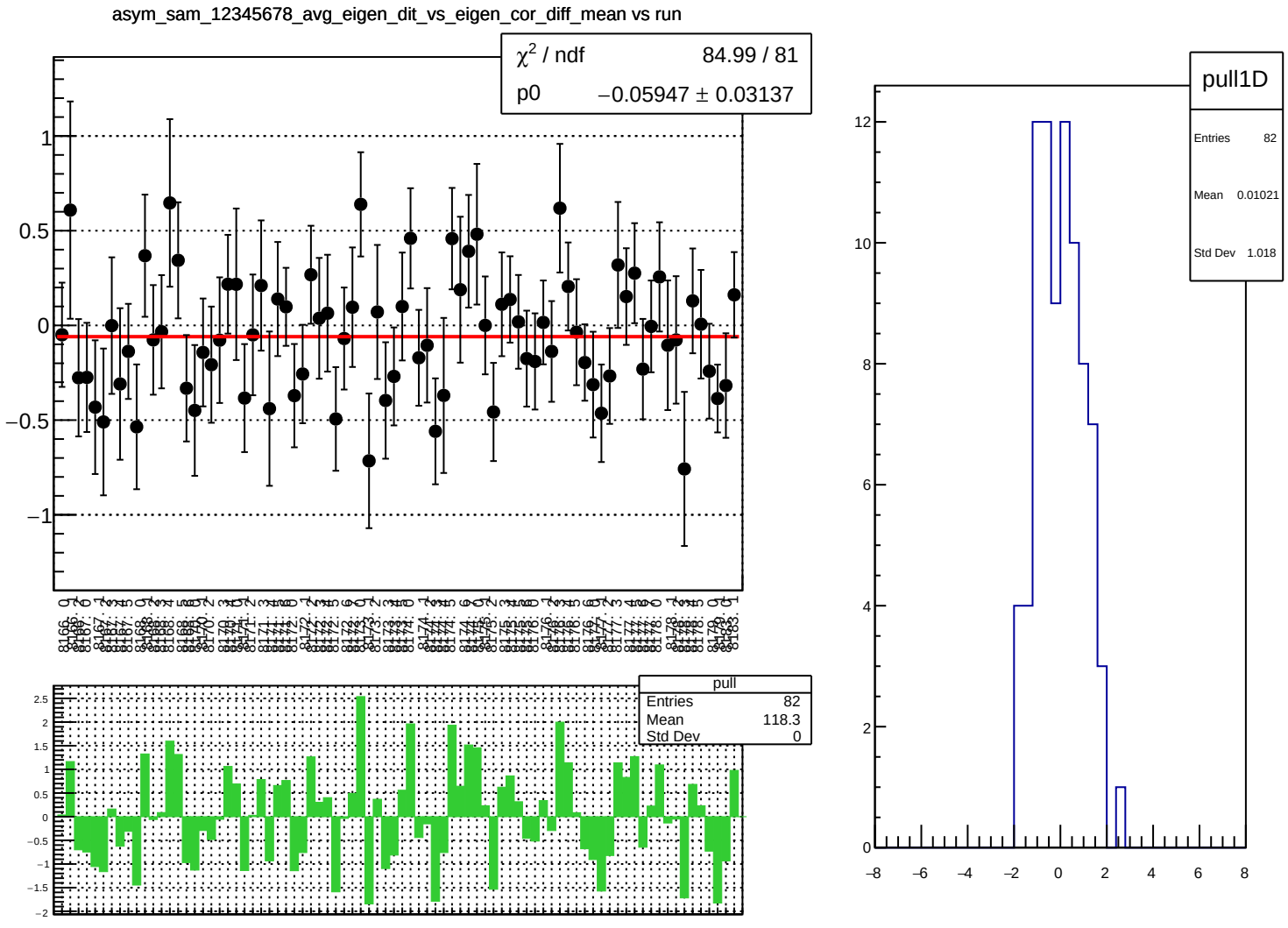

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.12 / 81
p0 5.232e−06 ± 2.588e−06
pull
Entries 82
Mean −71.67
Std Dev 0

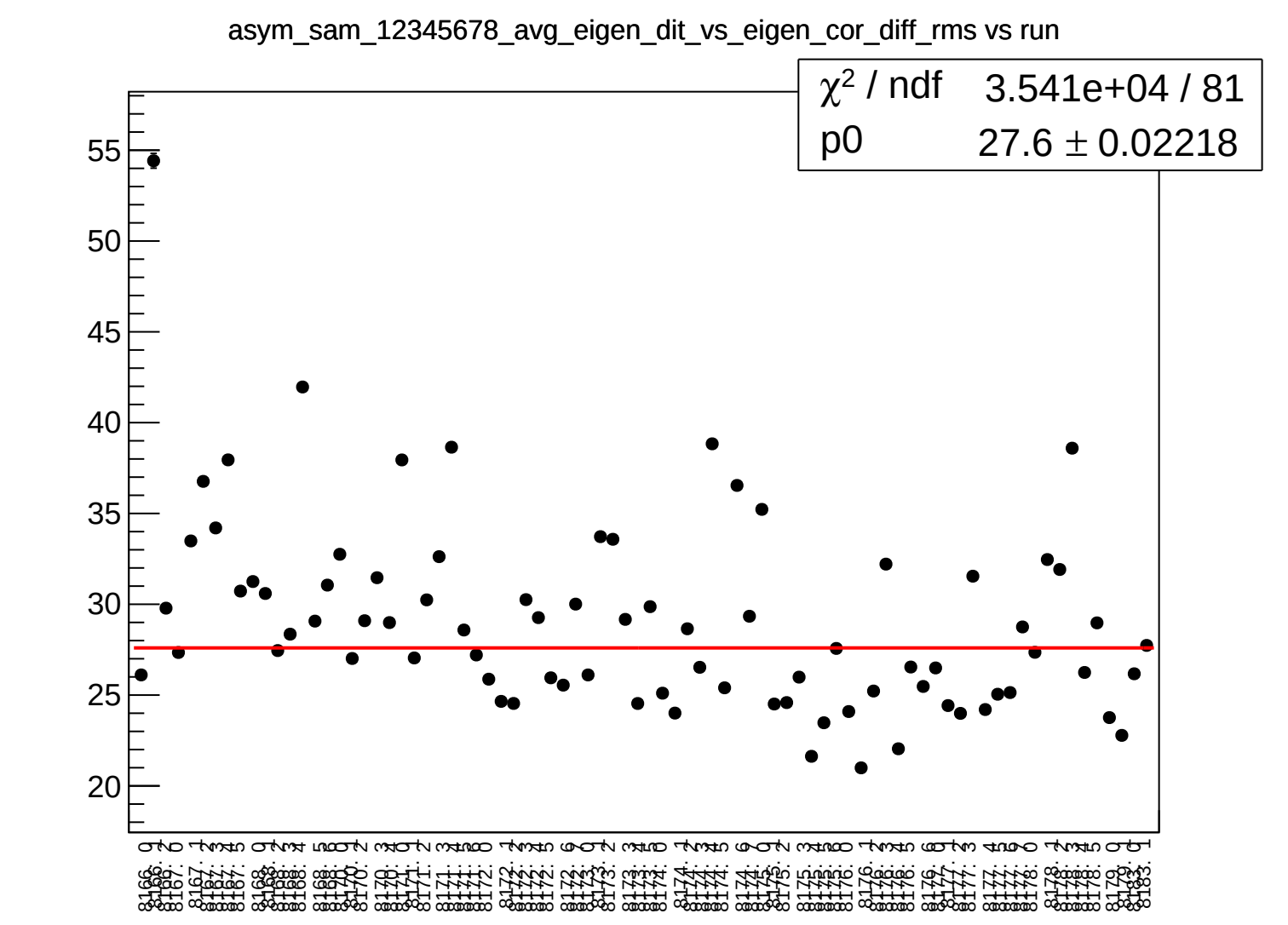

pull1D
Entries 82
Mean −0.01736
Std Dev 0.9821

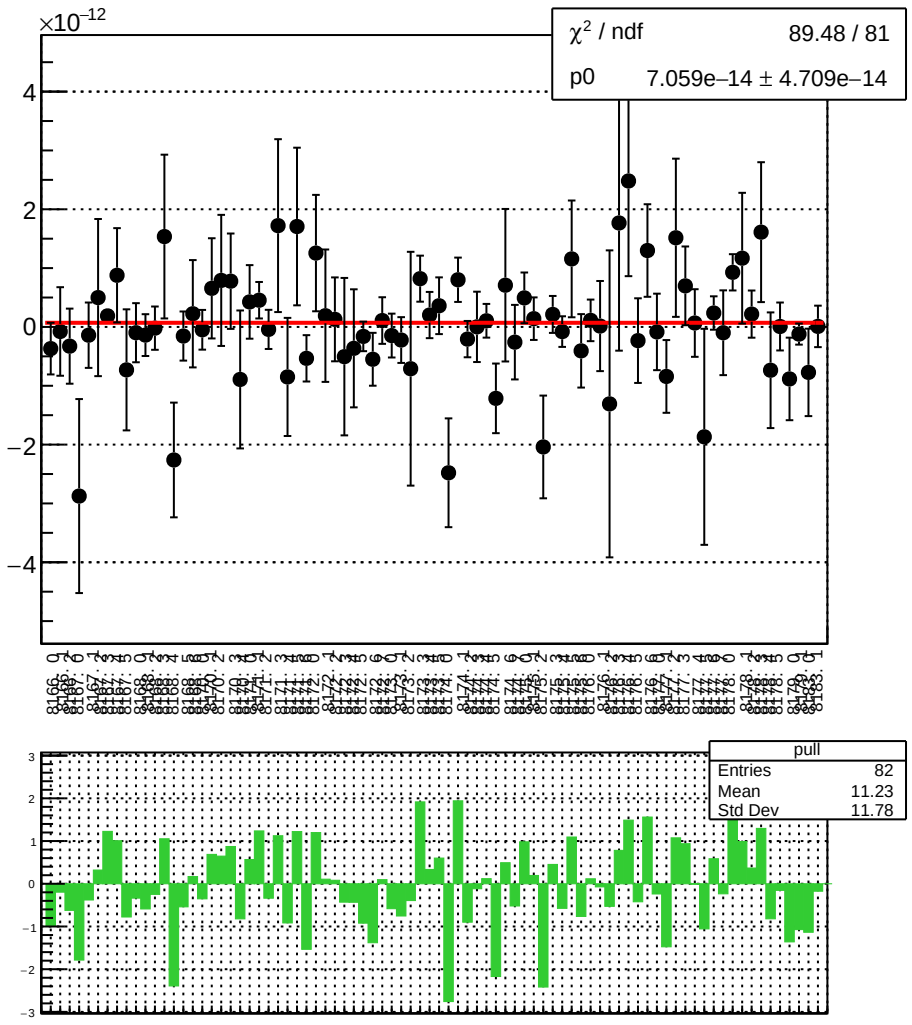

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5828 / 81
p0 0.002298 ± 1.83e–06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

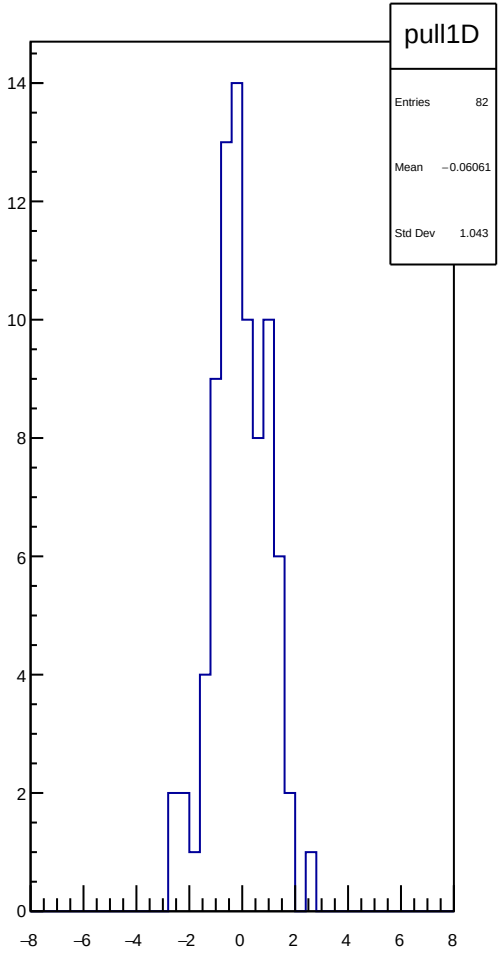

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.99 / 81
p0 −0.05947 ± 0.03137
pull
Entries 82
Mean 118.3
Std Dev 0
pull1D
Entries 82
Mean 0.01021
Std Dev 1.018

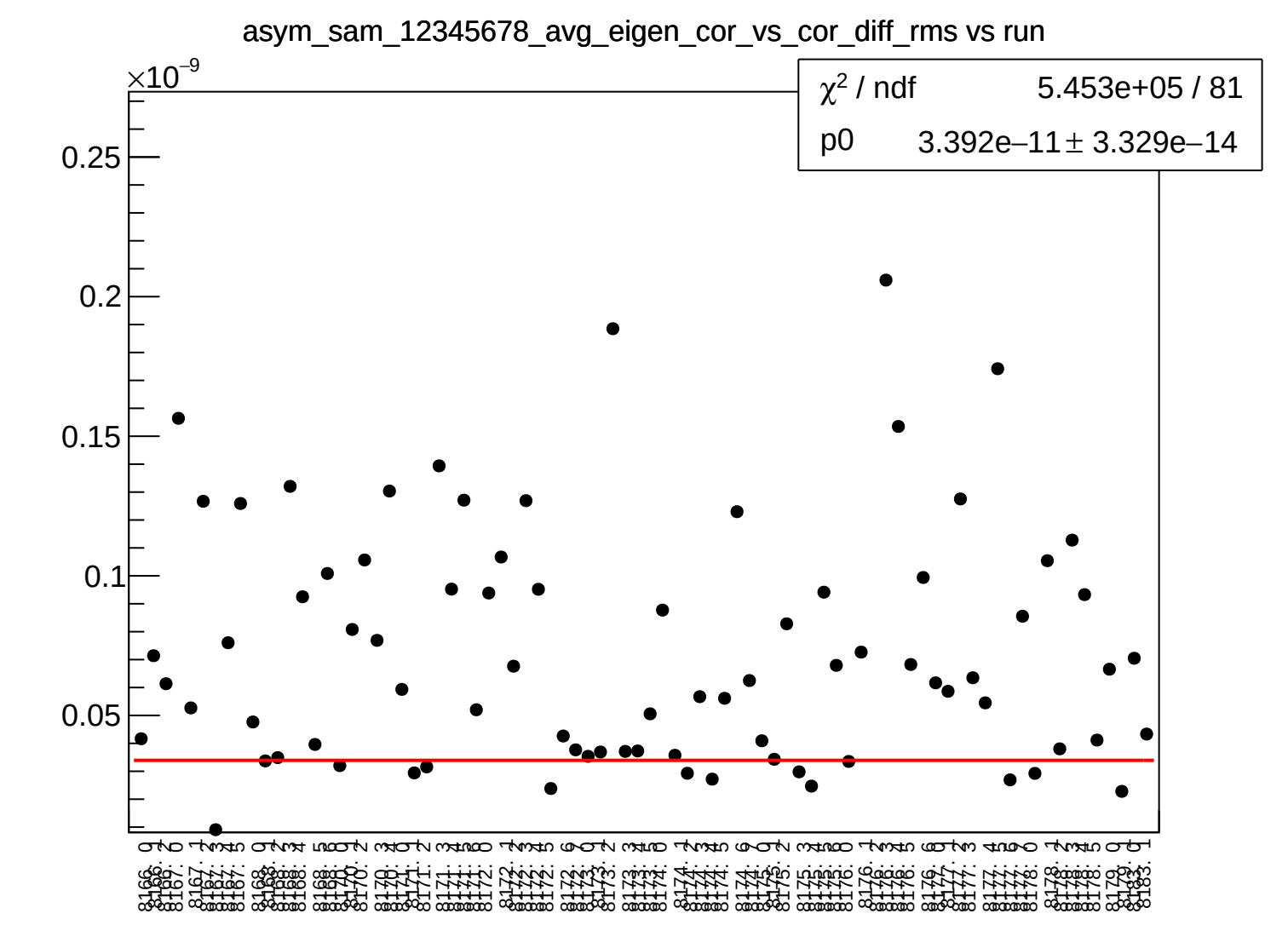

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.541e+04 / 81
p0 27.6 ± 0.02218
55
50
45
40
35
30
25
20

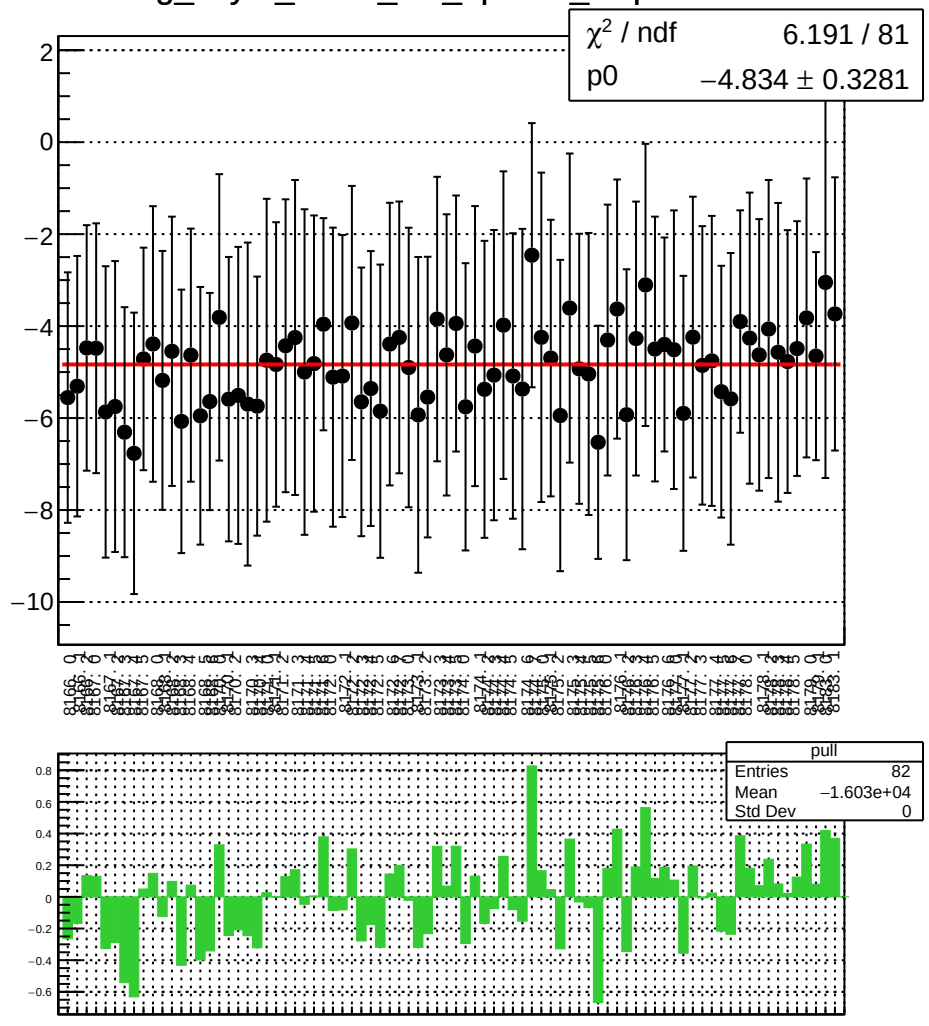

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.99 / 81
p0 −0.05947 ± 0.03137
pull
Entries 82
Mean 118.3
Std Dev 0
pull1D
Entries 82
Mean 0.01021
Std Dev 1.018

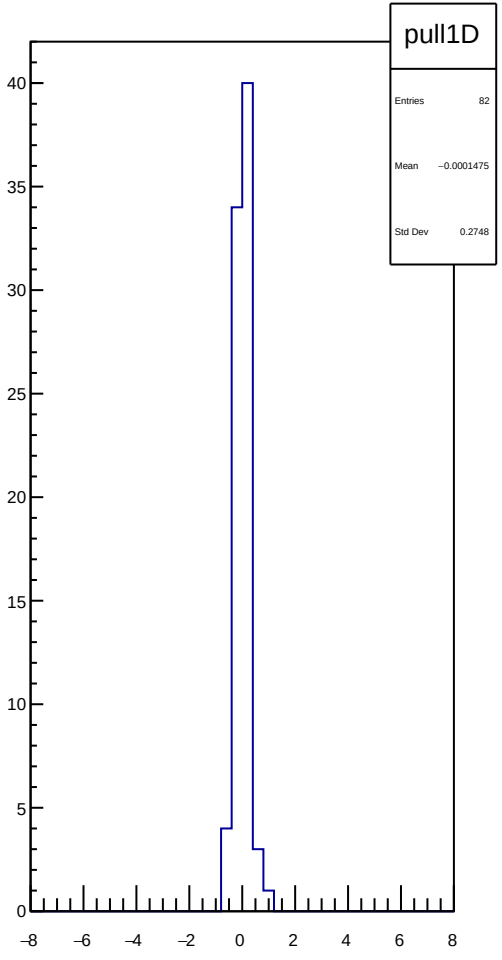

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.541e+04 / 81
p0 27.6 ± 0.02218
55
50
45
40
35
30
25
20

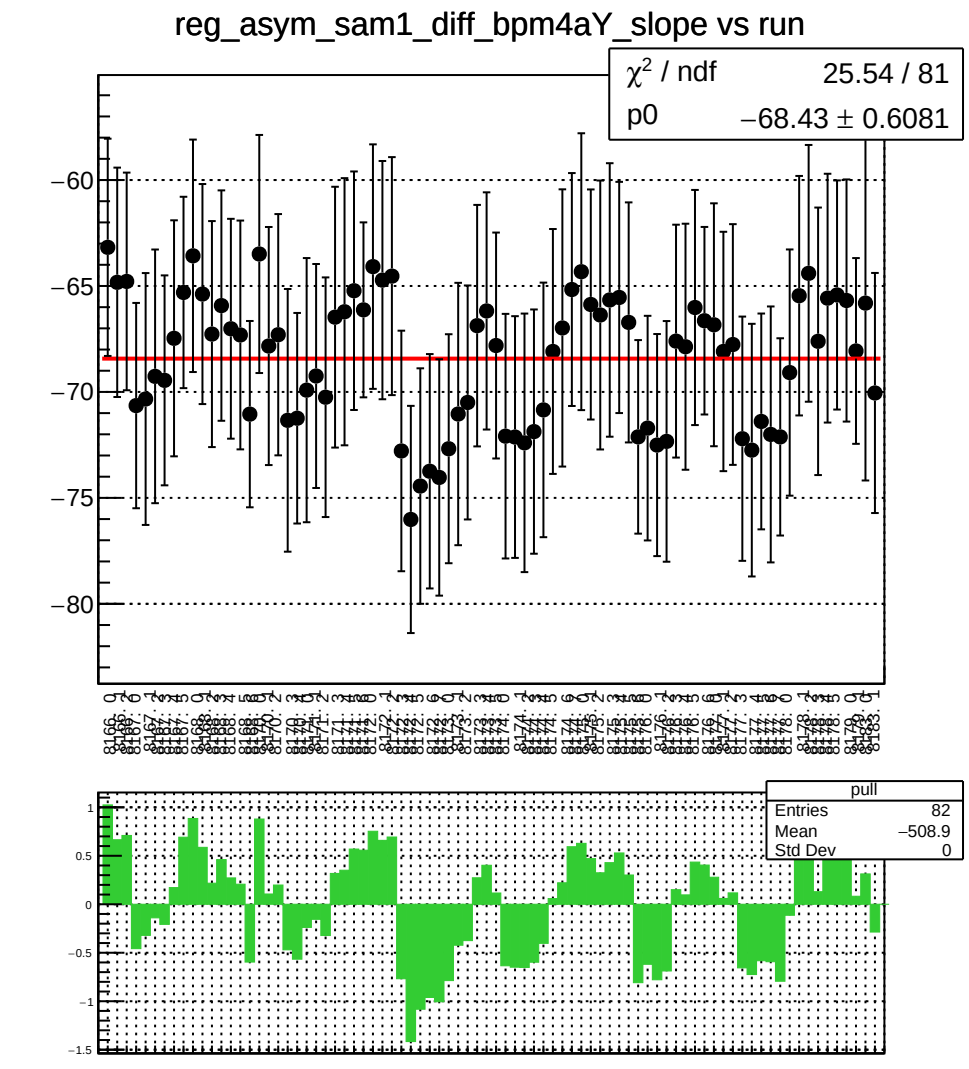

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.48 / 81
p0 7.059e−14 ± 4.709e−14
pull
Entries 82
Mean 11.23
Std Dev 11.78

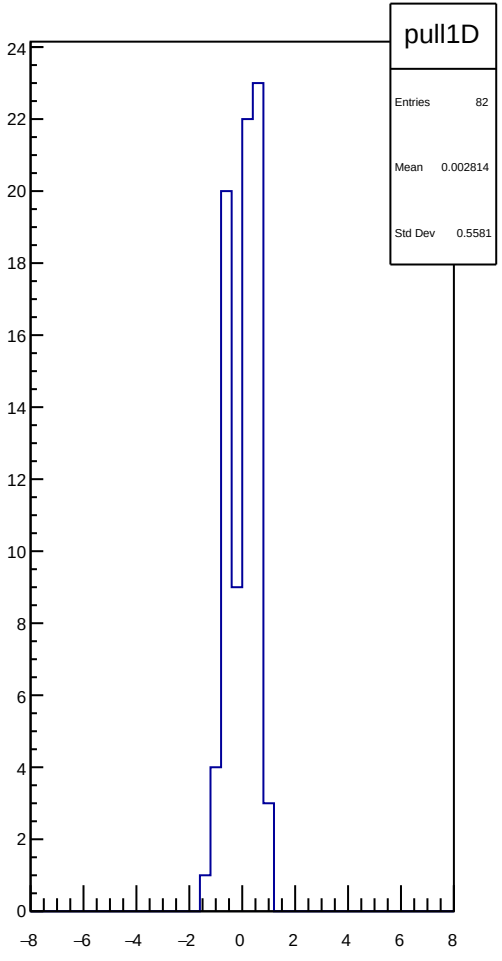

pull1D
Entries 82
Mean −0.06061
Std Dev 1.043

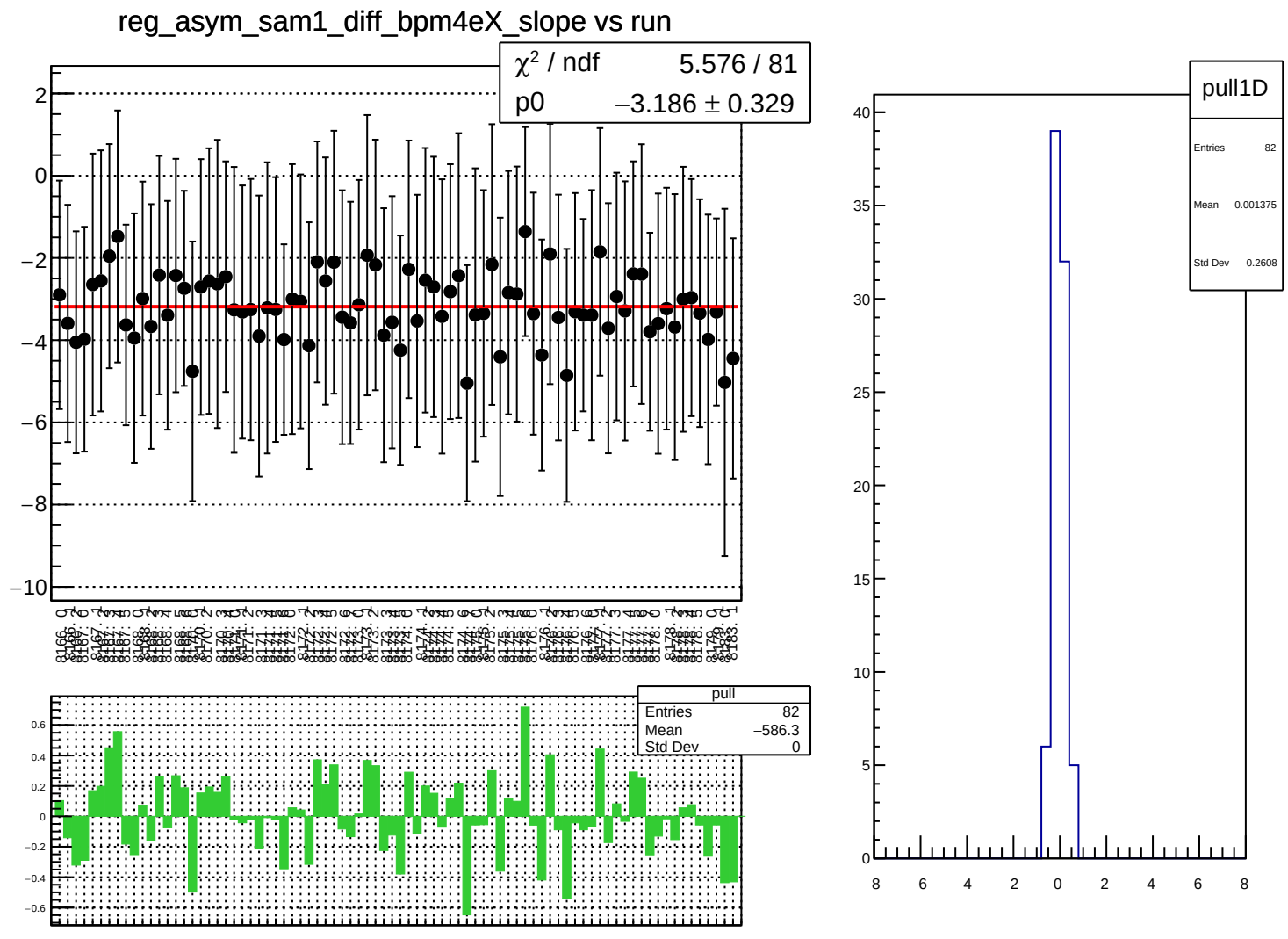

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.453e+05 / 81
p0 3.392e−11 ± 3.329e−14
0.25
0.2
0.15
0.1
0.05

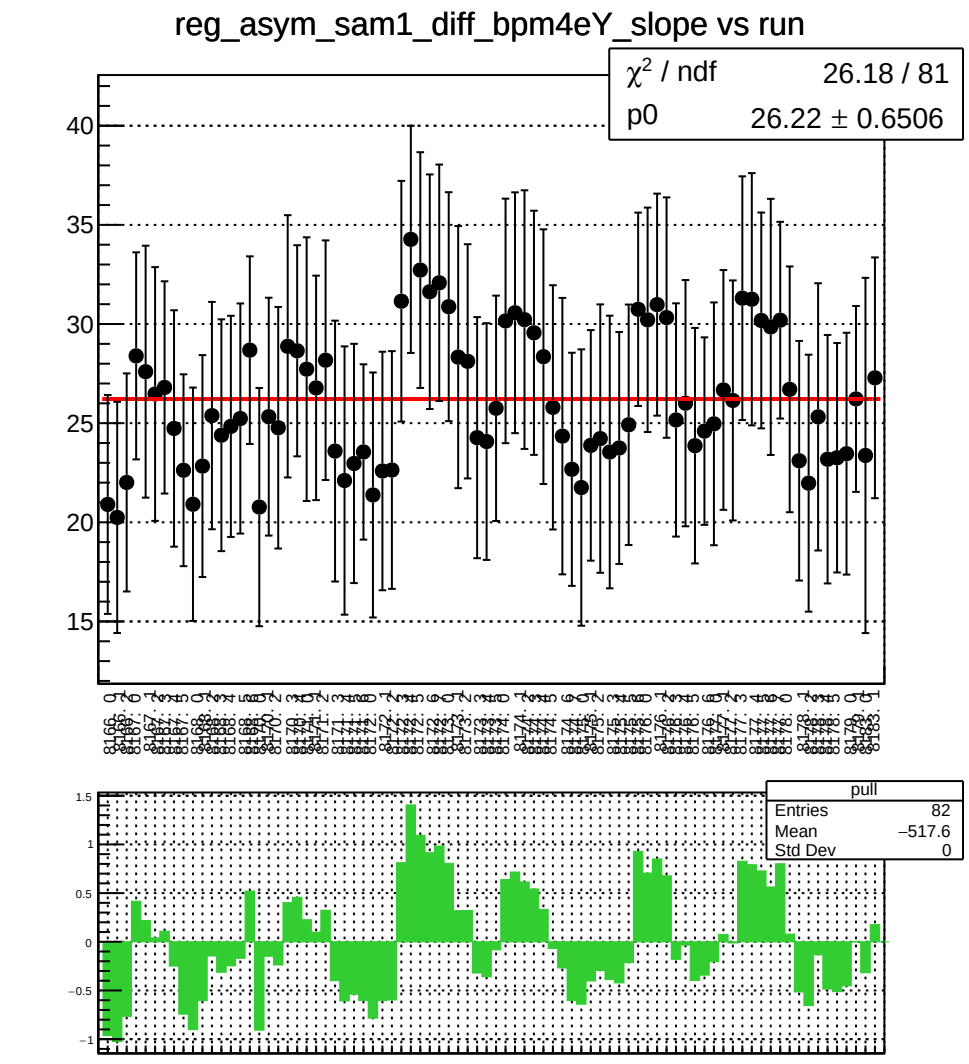

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 6.191 / 81
p0 −4.834 ± 0.3281
pull
Entries 82
Mean −1.603e+04
Std Dev 0

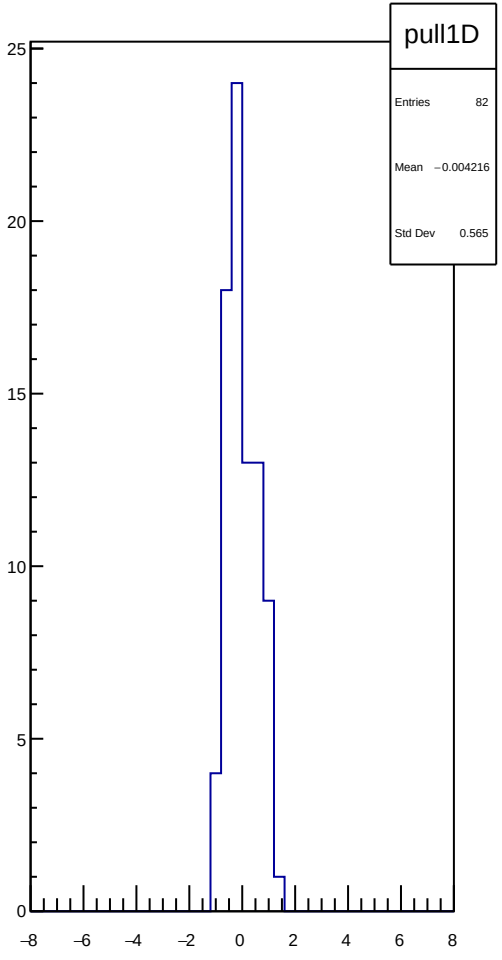

pull1D
Entries 82
Mean −0.0001475
Std Dev 0.2748

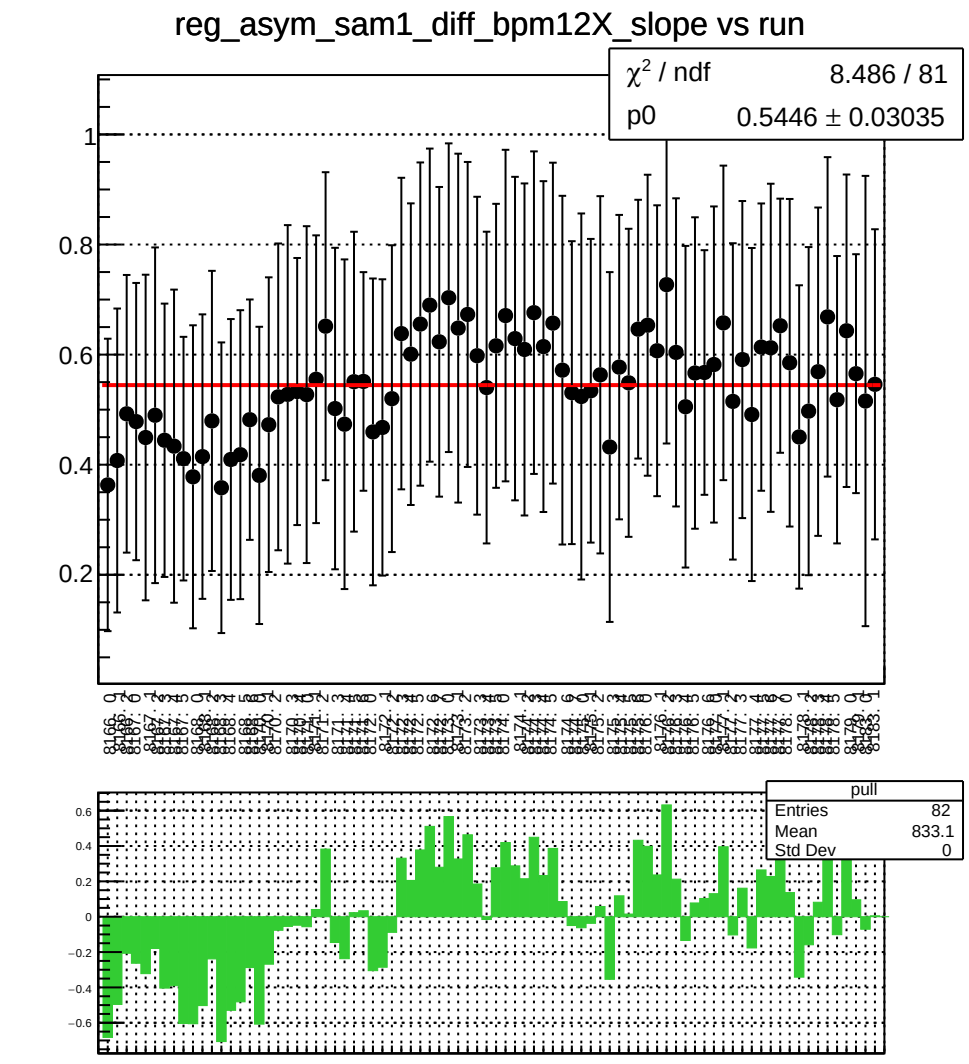

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 25.54 / 81
p0 −68.43 ± 0.6081
pull
Entries 82
Mean −508.9
Std Dev 0

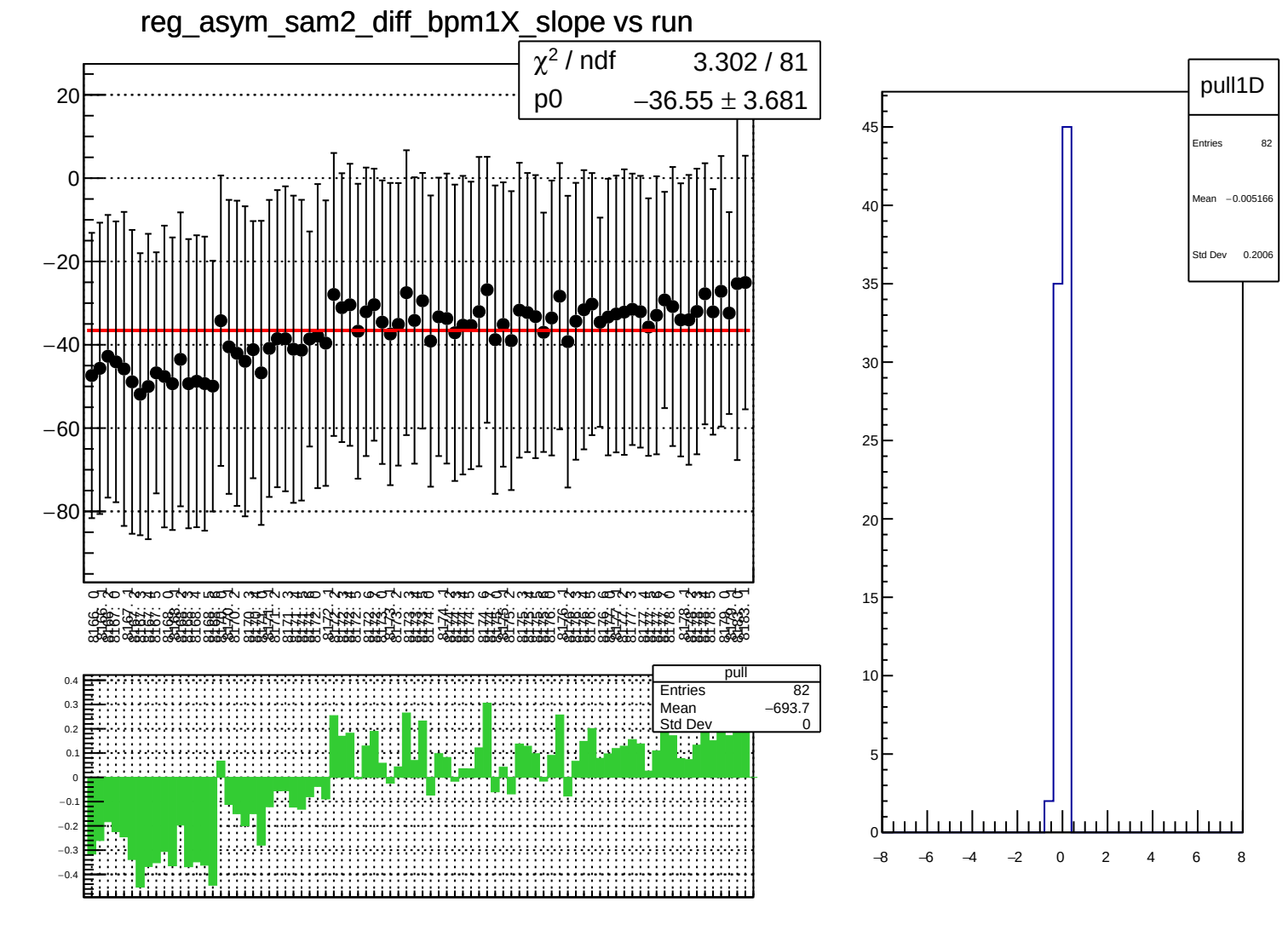

pull1D
Entries 82
Mean 0.002814
Std Dev 0.5581

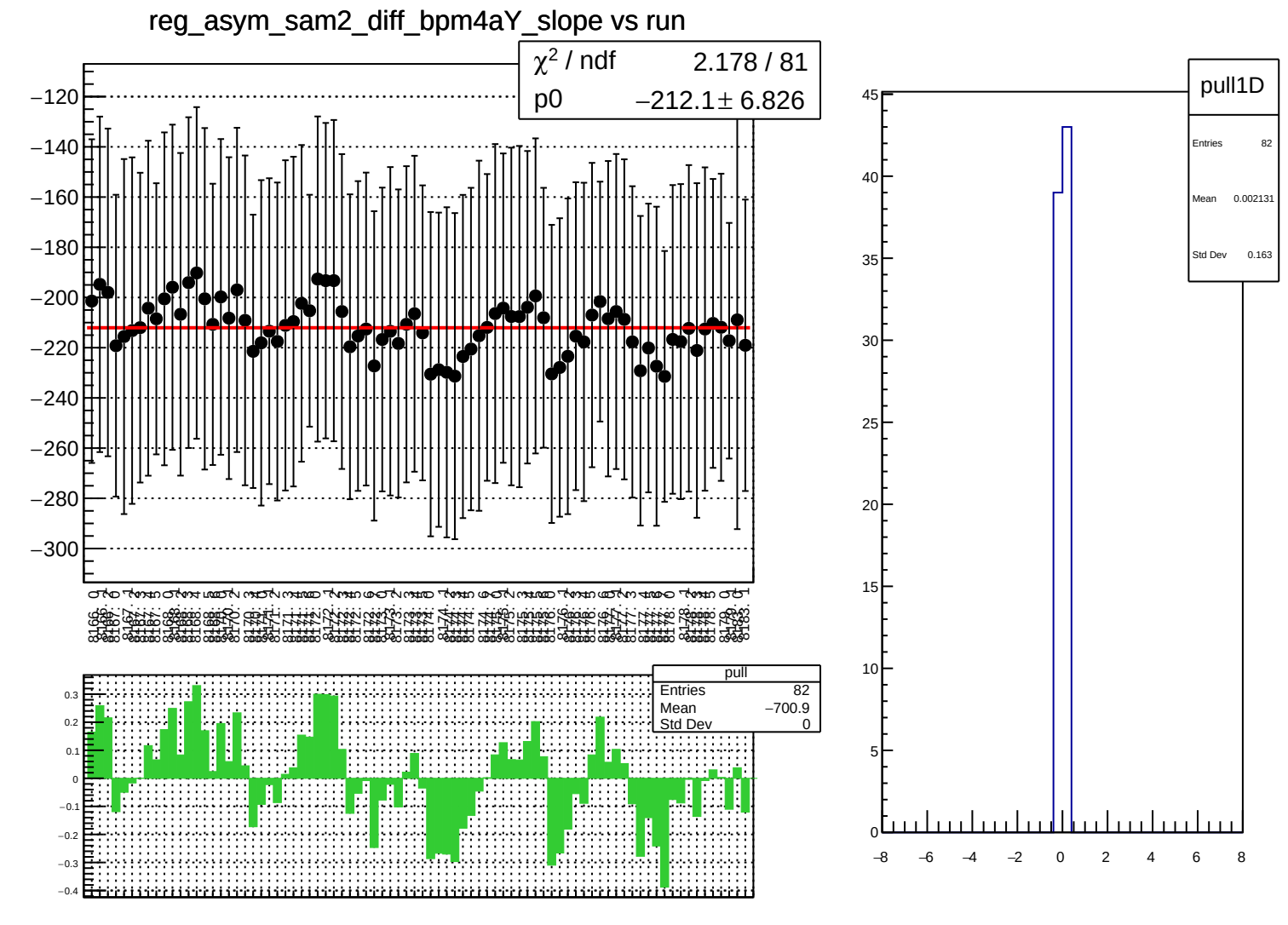

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 5.576 / 81
p0 −3.186 ± 0.329
pull
Entries 82
Mean −586.3
Std Dev 0
pull1D
Entries 82
Mean 0.001375
Std Dev 0.2608

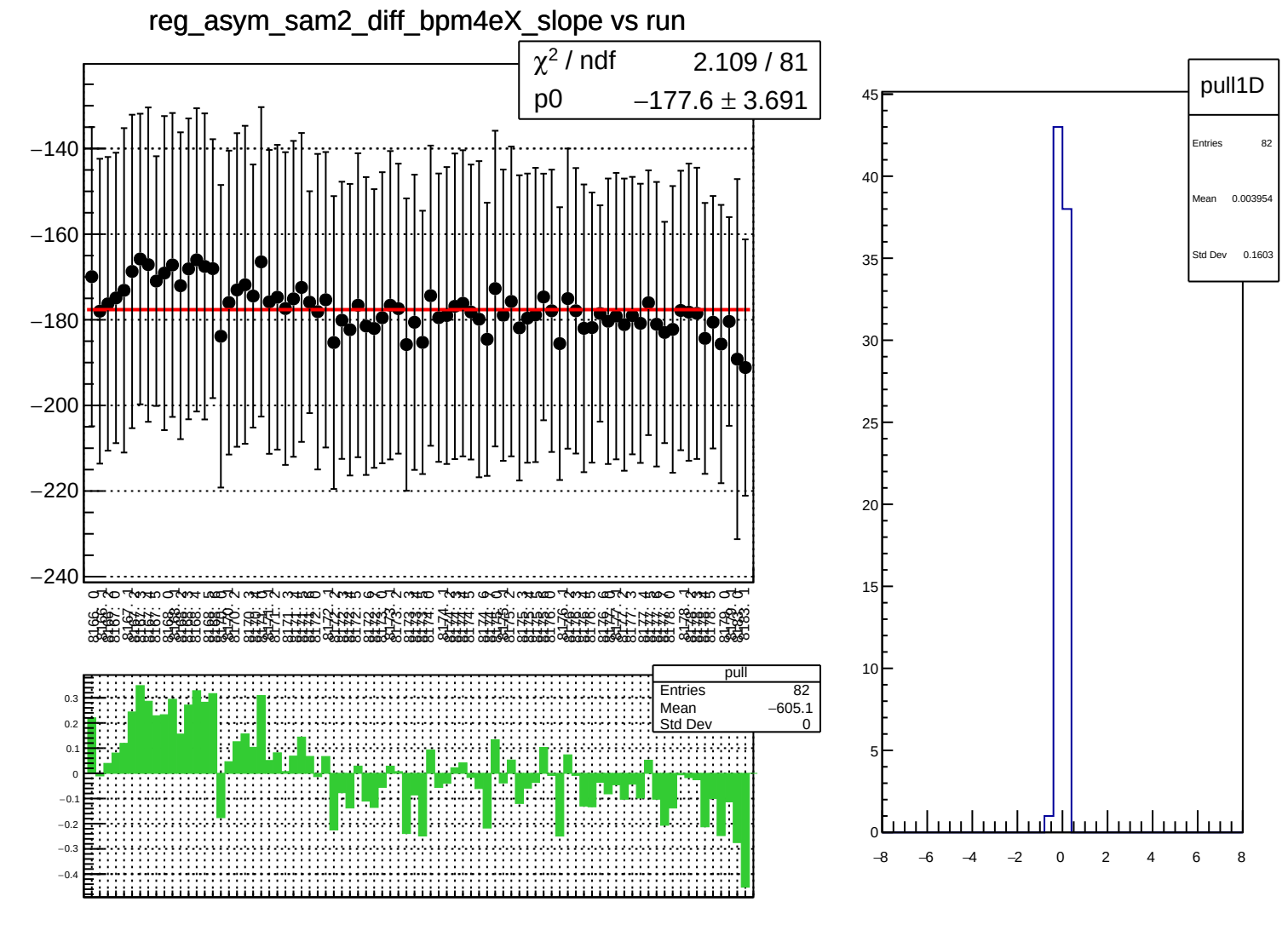

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 26.18 / 81
p0 26.22 ± 0.6506
pull
Entries 82
Mean −517.6
Std Dev 0

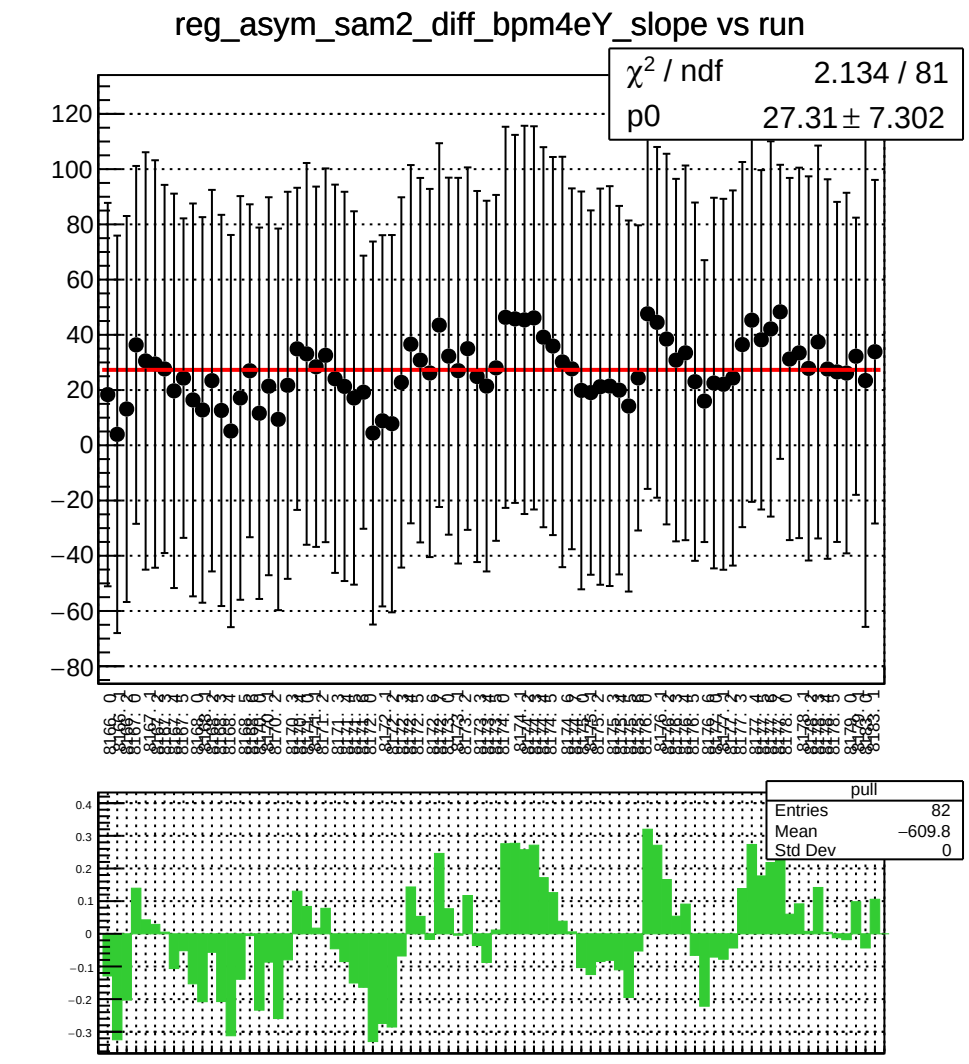

pull1D
Entries 82
Mean −0.004216
Std Dev 0.565

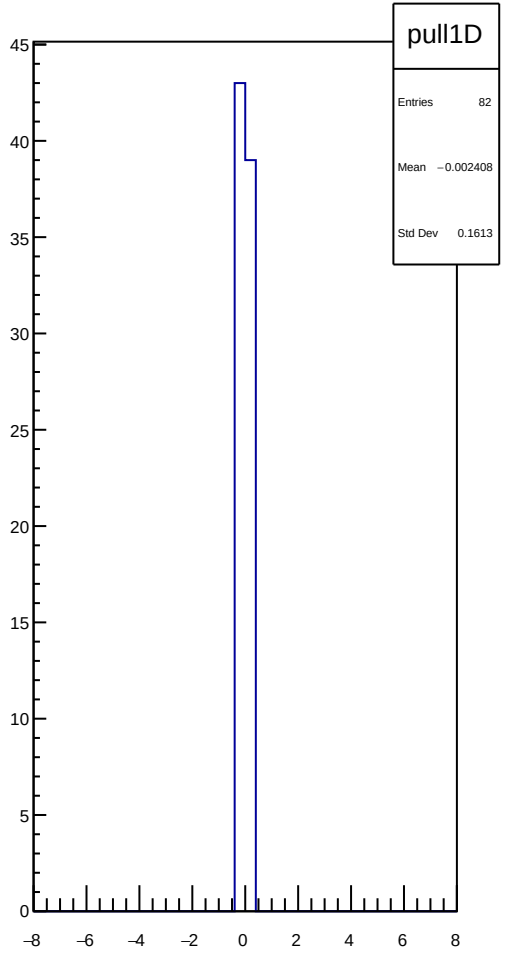

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 8.486 / 81
p0 0.5446 ± 0.03035
pull
Entries 82
Mean 833.1
Std Dev 0
pull1D
Entries 82
Mean 0.005151
Std Dev 0.3217

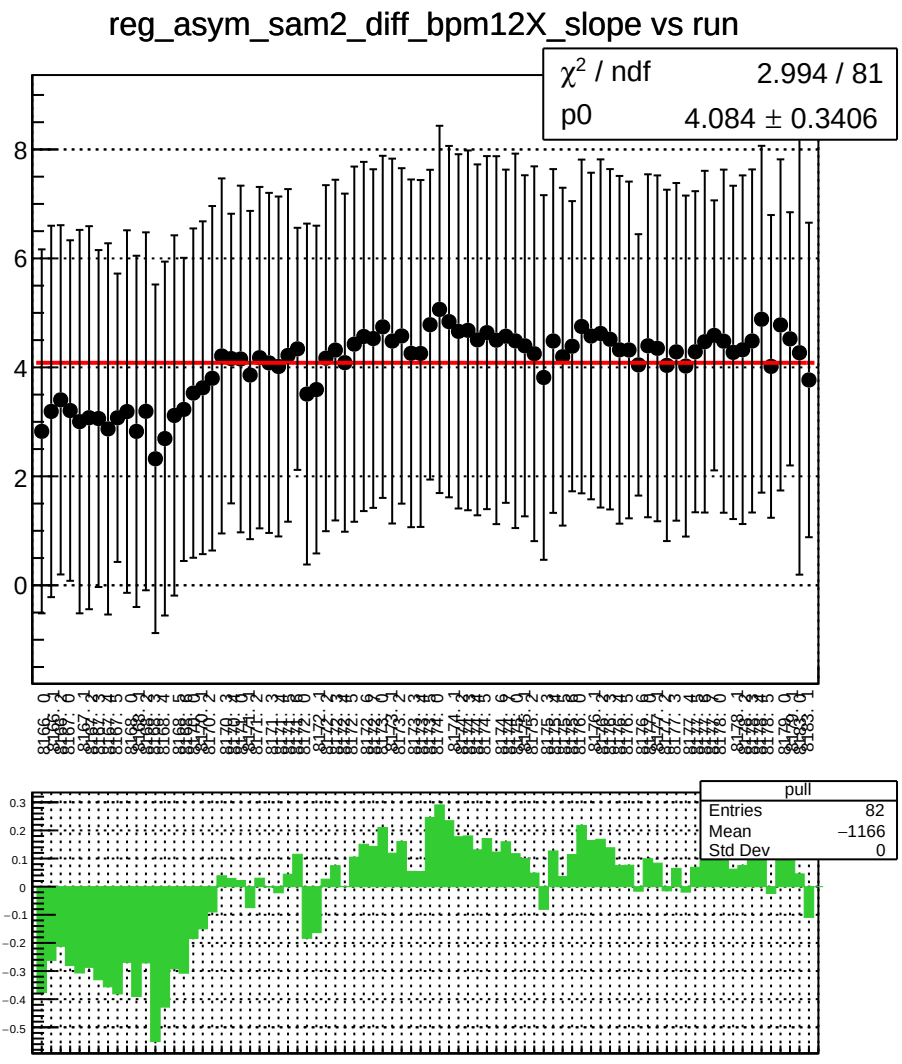

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 3.302 / 81
p0 −36.55 ± 3.681
pull
Entries 82
Mean −693.7
Std Dev 0
pull1D
Entries 82
Mean −0.005166
Std Dev 0.2006

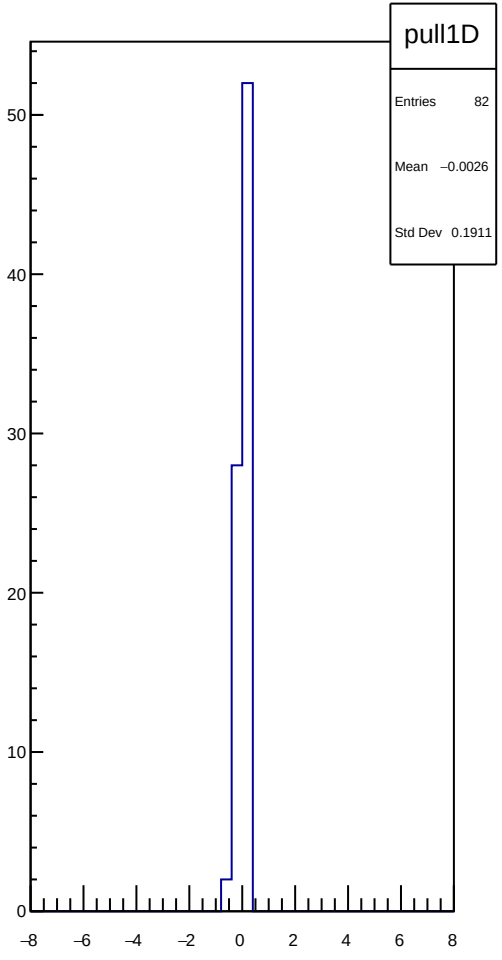

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.178 / 81
p0 −212.1± 6.826
pull
Entries 82
Mean −700.9
Std Dev 0
pull1D
Entries 82
Mean 0.002131
Std Dev 0.163

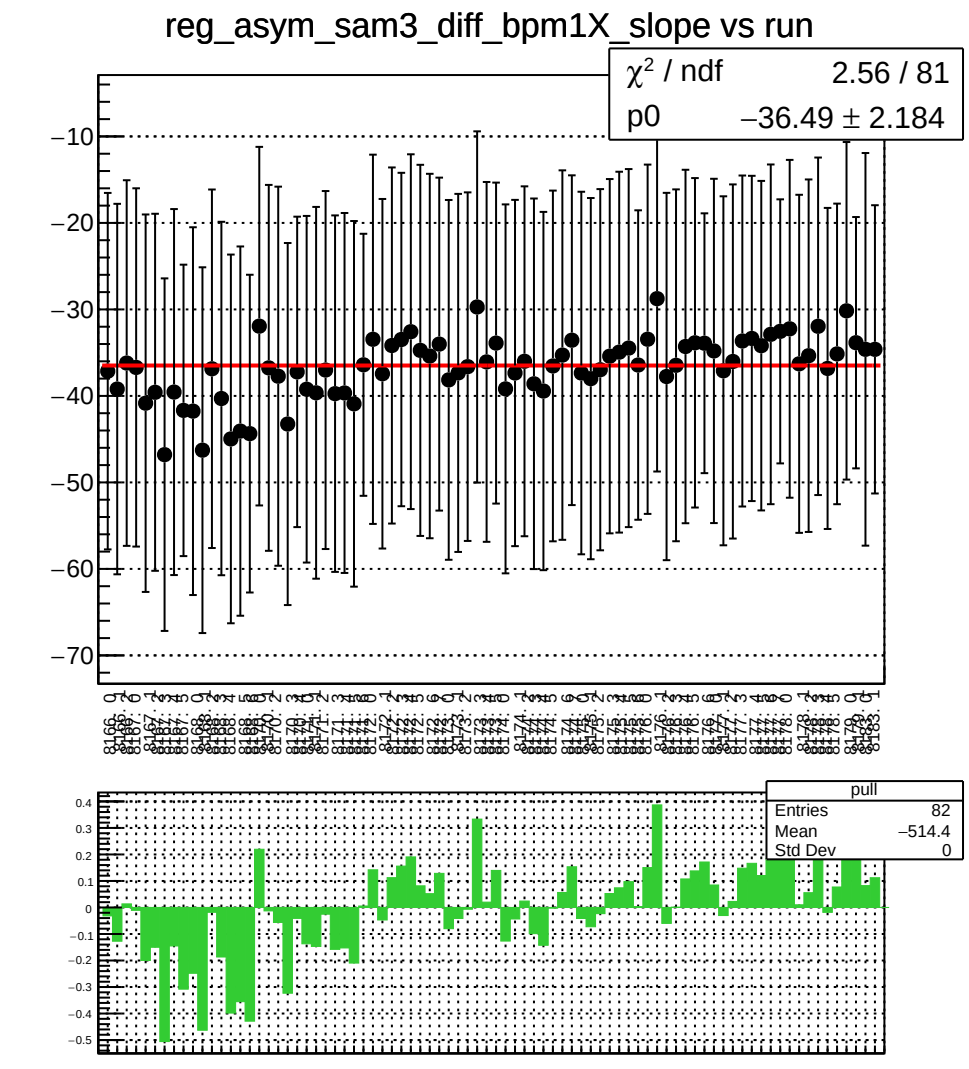

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 2.109 / 81
p0 −177.6 ± 3.691
pull
Entries 82
Mean −605.1
Std Dev 0
pull1D
Entries 82
Mean 0.003954
Std Dev 0.1603

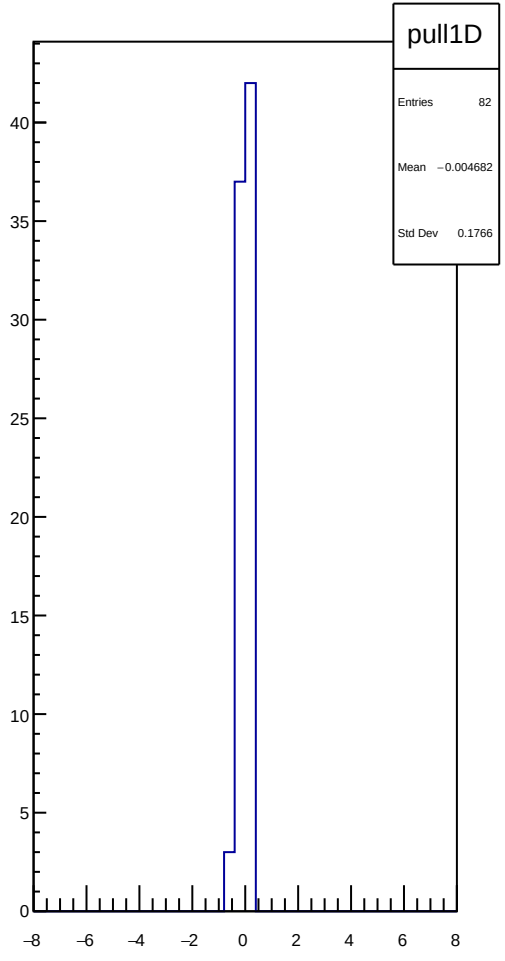

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 2.134 / 81
p0 27.31 ± 7.302
pull
Entries 82
Mean −609.8
Std Dev 0

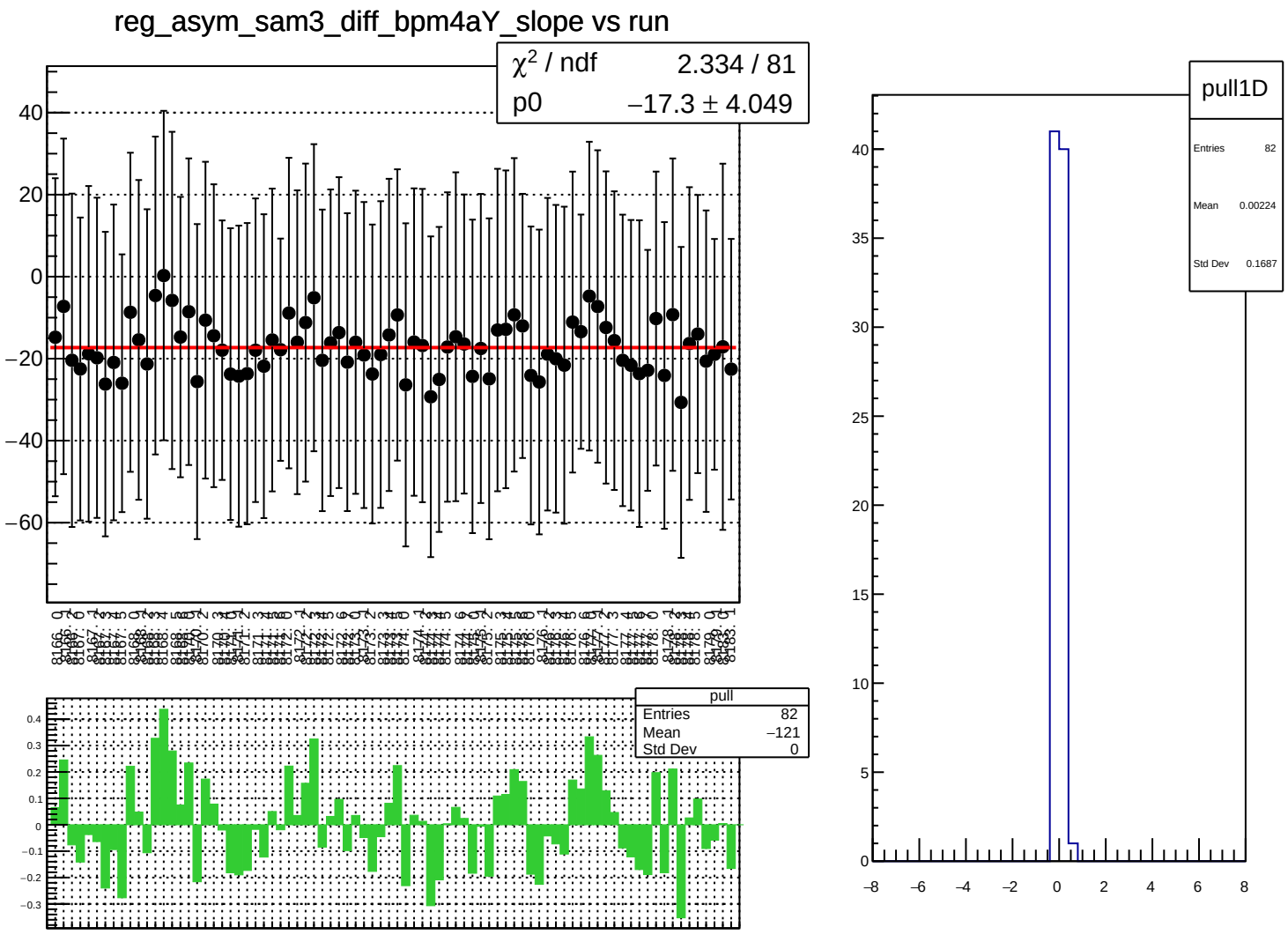

pull1D
Entries 82
Mean −0.002408
Std Dev 0.1613

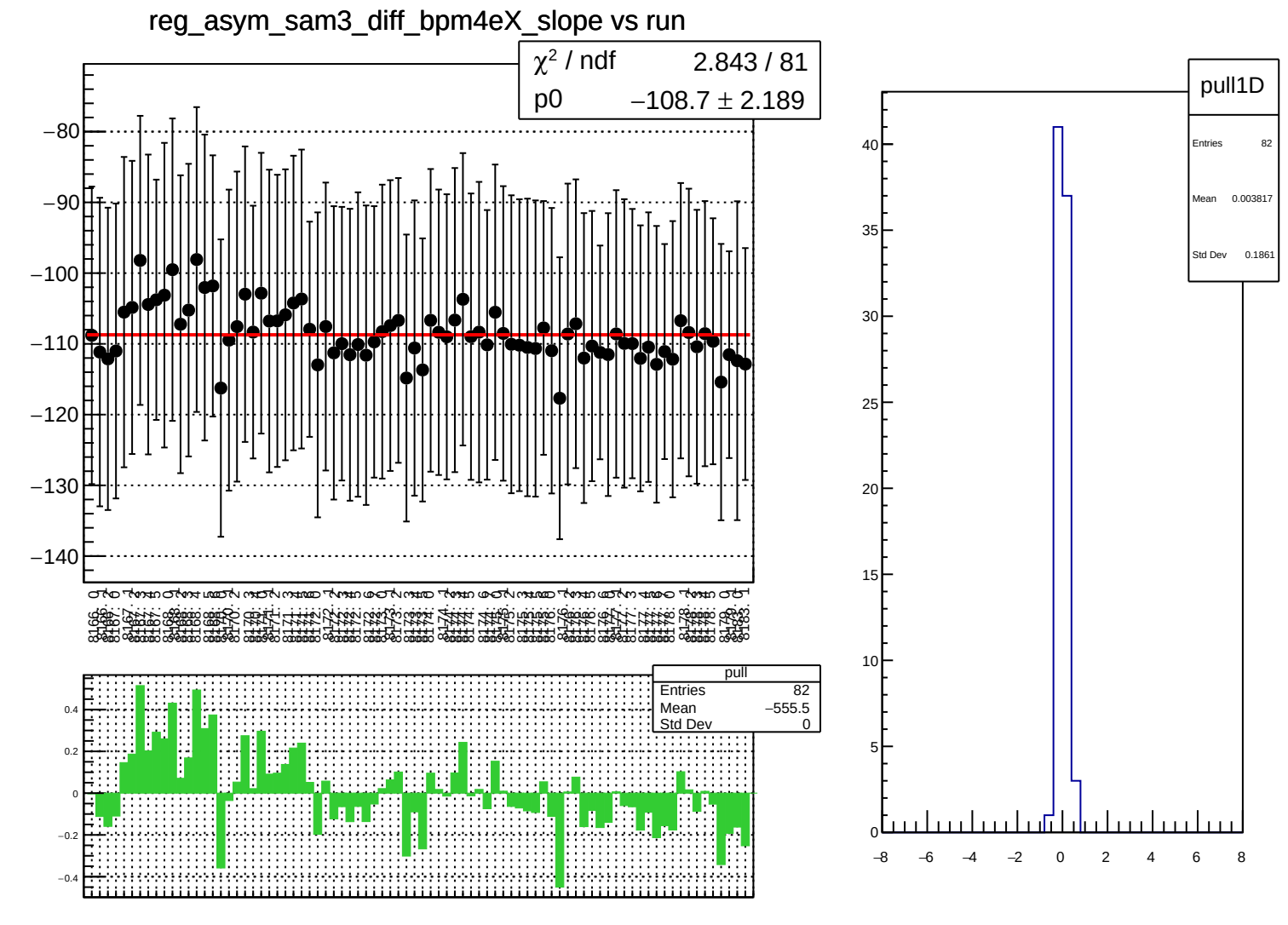

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 2.994 / 81
p0 4.084 ± 0.3406
pull
Entries 82
Mean −1166
Std Dev 0

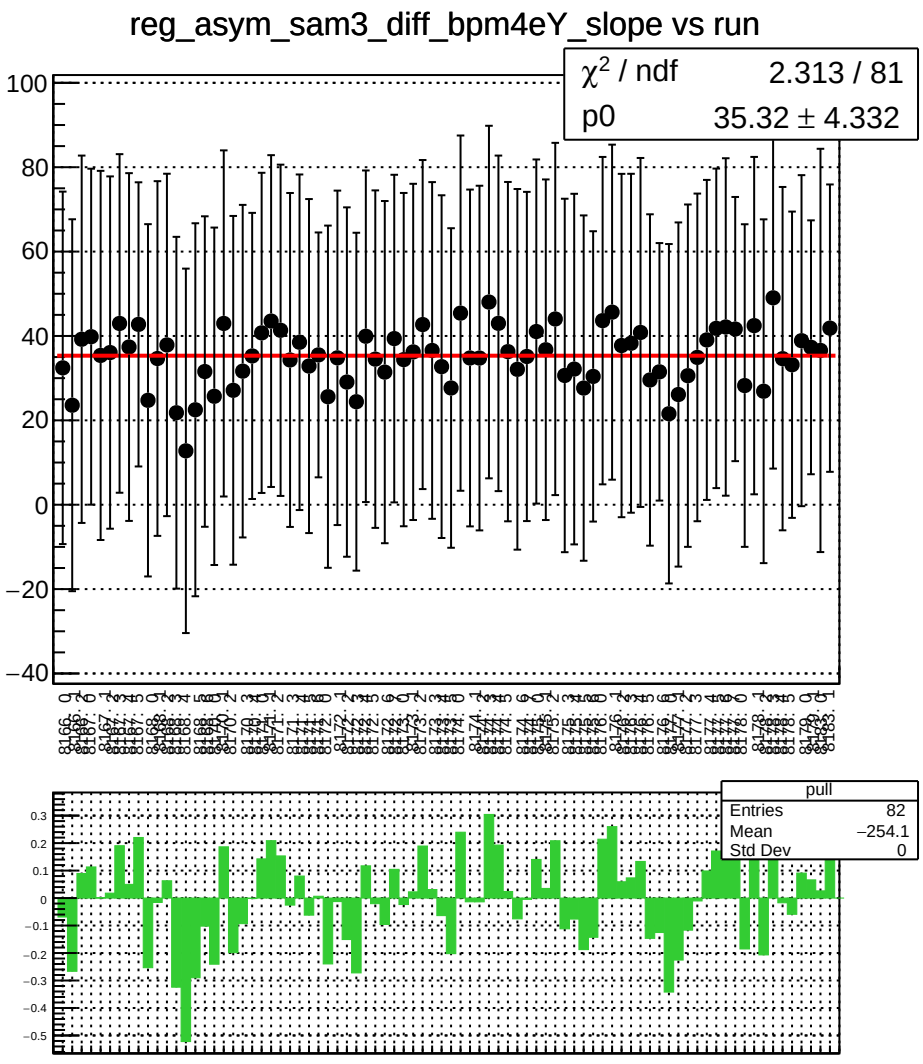

pull1D
Entries 82
Mean −0.0026
Std Dev 0.1911

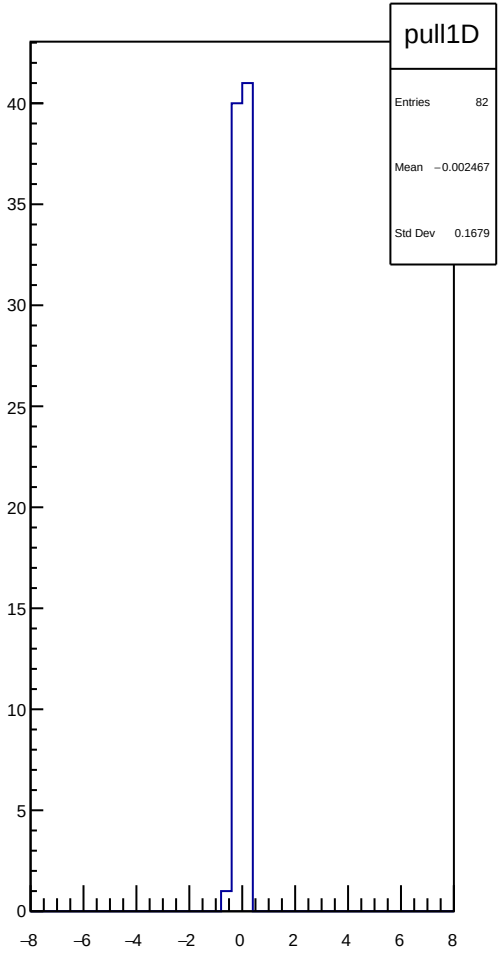

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 2.56 / 81
p0 −36.49 ± 2.184
pull
Entries 82
Mean −514.4
Std Dev 0

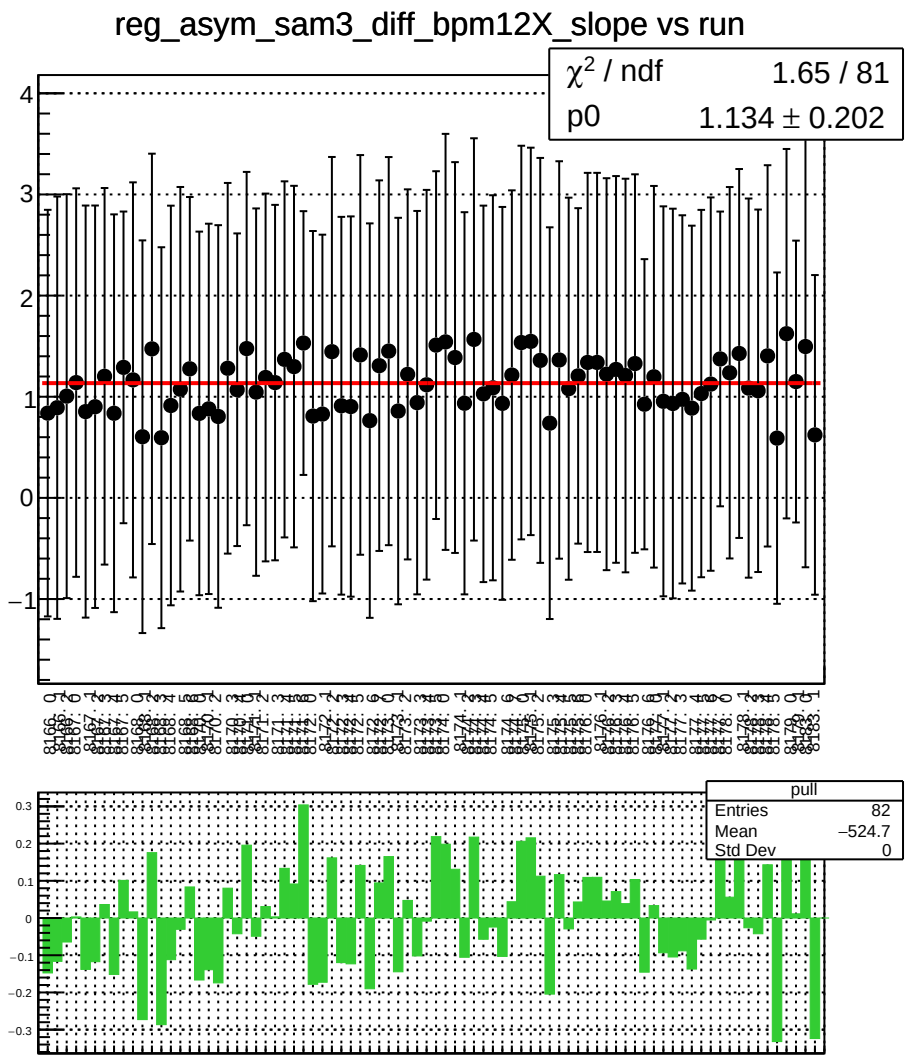

pull1D
Entries 82
Mean −0.004682
Std Dev 0.1766

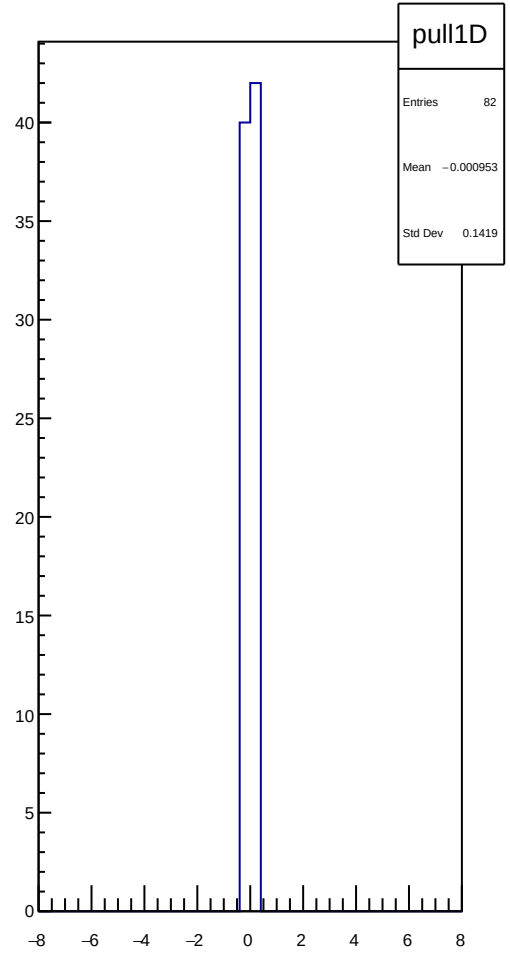

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 2.334 / 81
p0 −17.3 ± 4.049
pull
Entries 82
Mean −121
Std Dev 0
pull1D
Entries 82
Mean 0.00224
Std Dev 0.1687

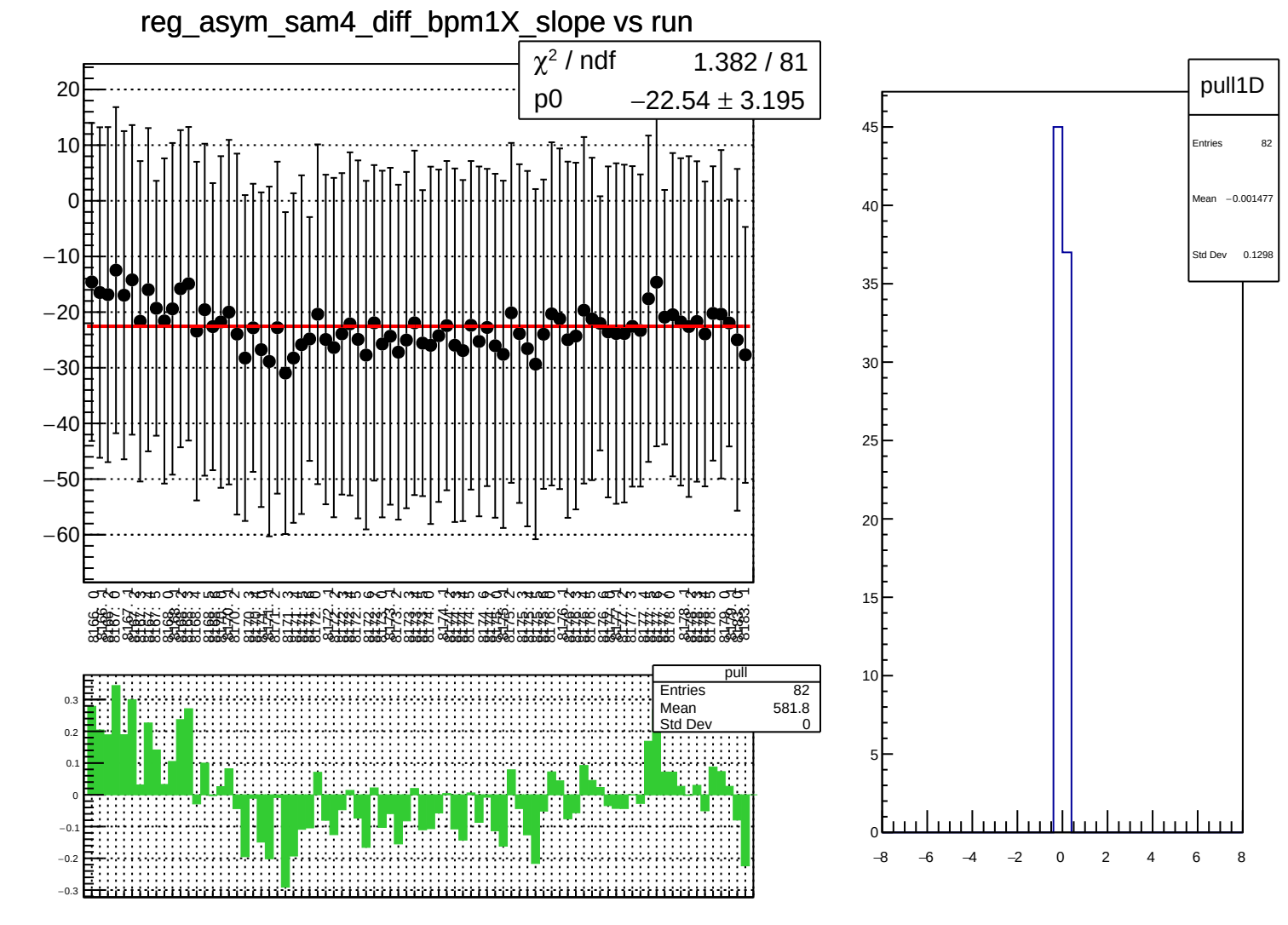

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.843 / 81
p0 −108.7 ± 2.189
pull
Entries 82
Mean −555.5
Std Dev 0
pull1D
Entries 82
Mean 0.003817
Std Dev 0.1861

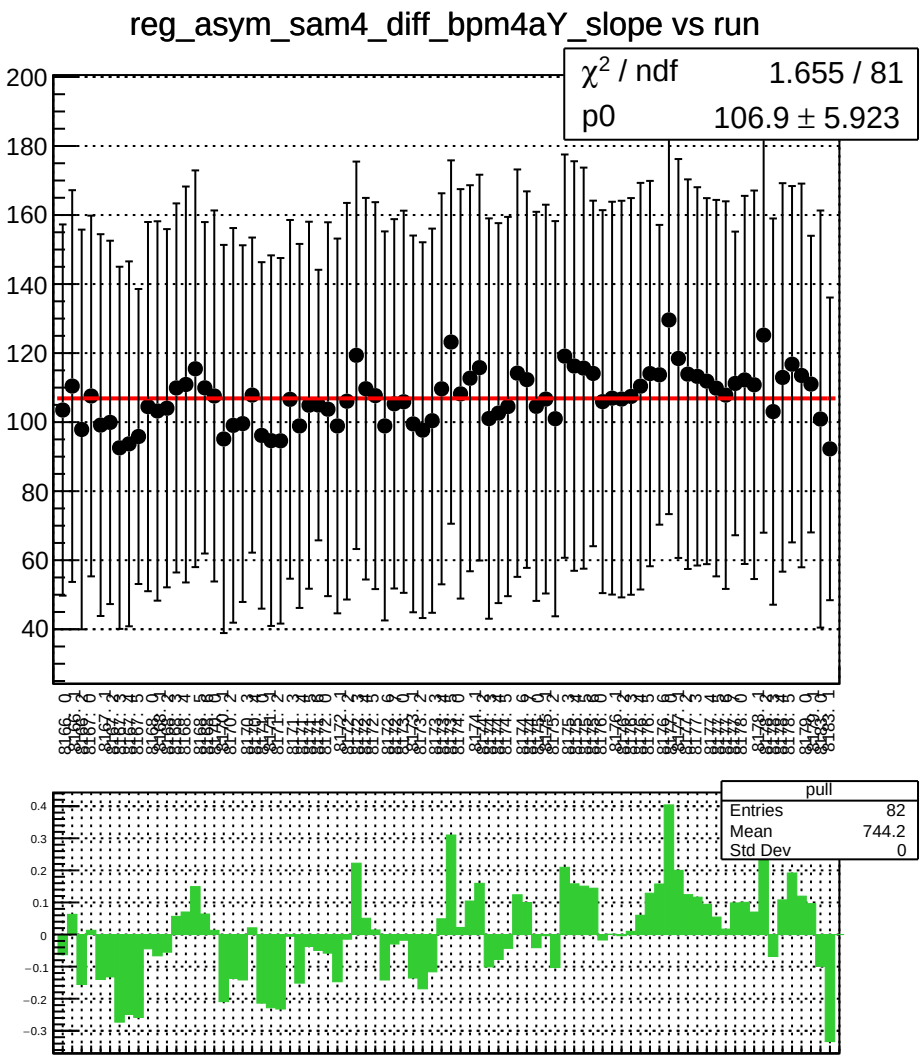

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.313 / 81
p0 35.32 ± 4.332
pull
Entries 82
Mean −254.1
Std Dev 0

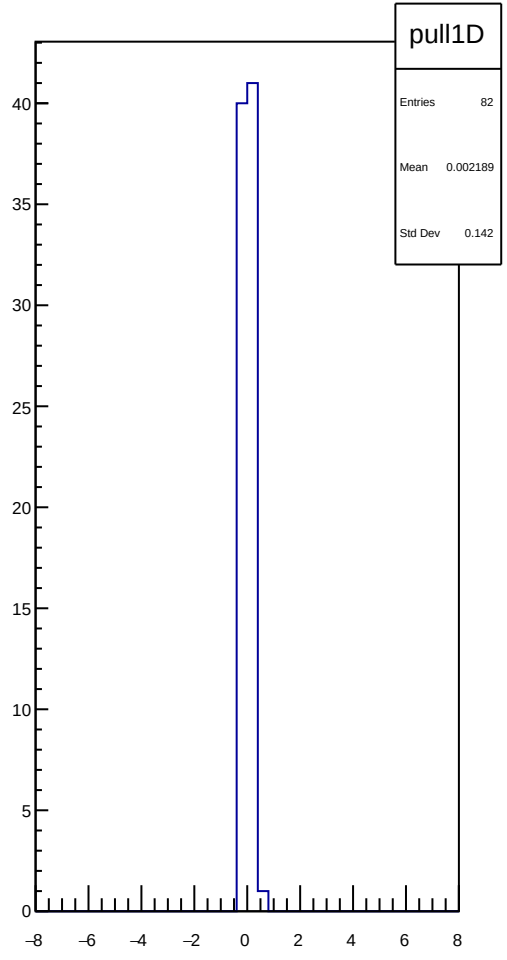

pull1D
Entries 82
Mean −0.002467
Std Dev 0.1679

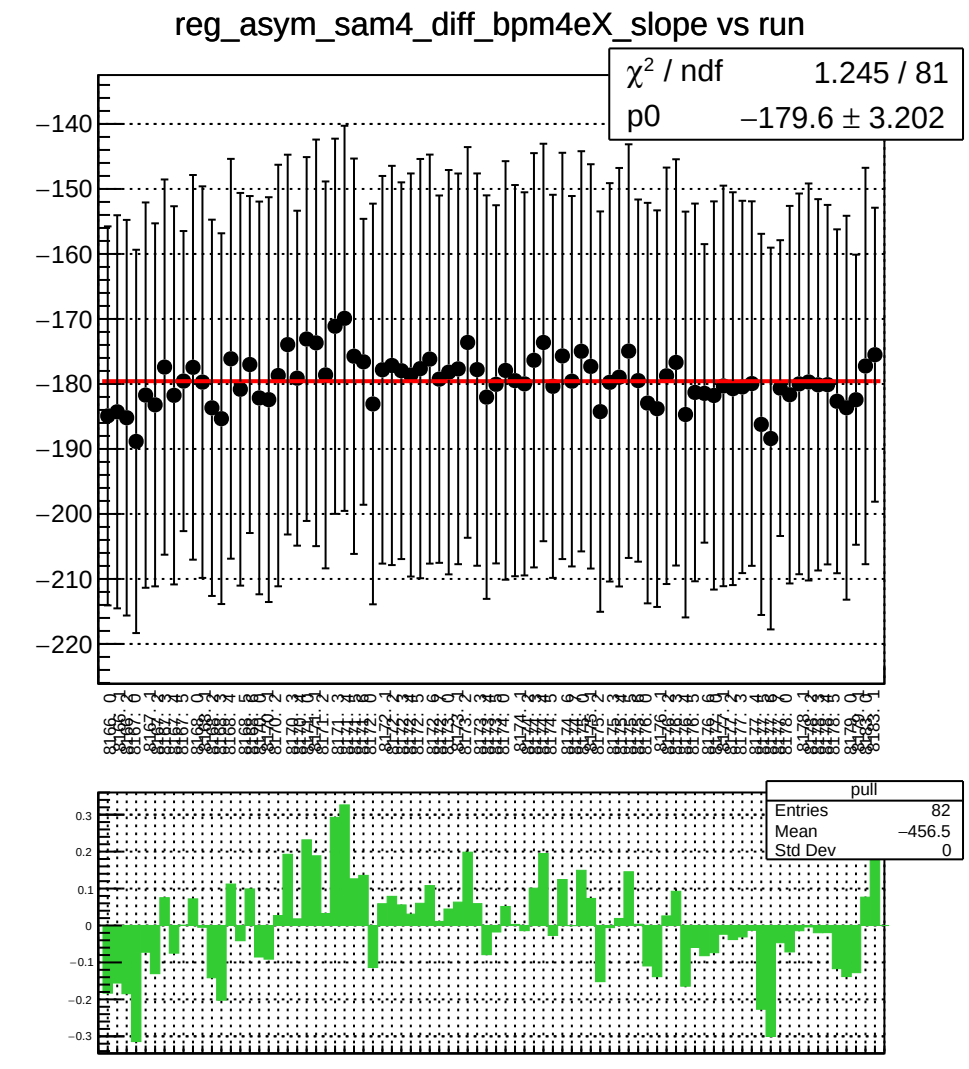

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.65 / 81
p0 1.134 ± 0.202
pull
Entries 82
Mean −524.7
Std Dev 0

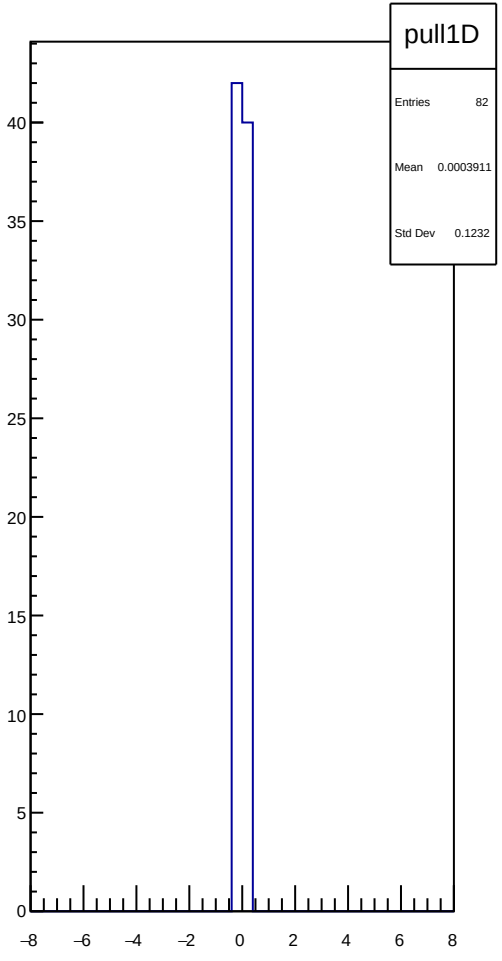

pull1D
Entries 82
Mean −0.000953
Std Dev 0.1419

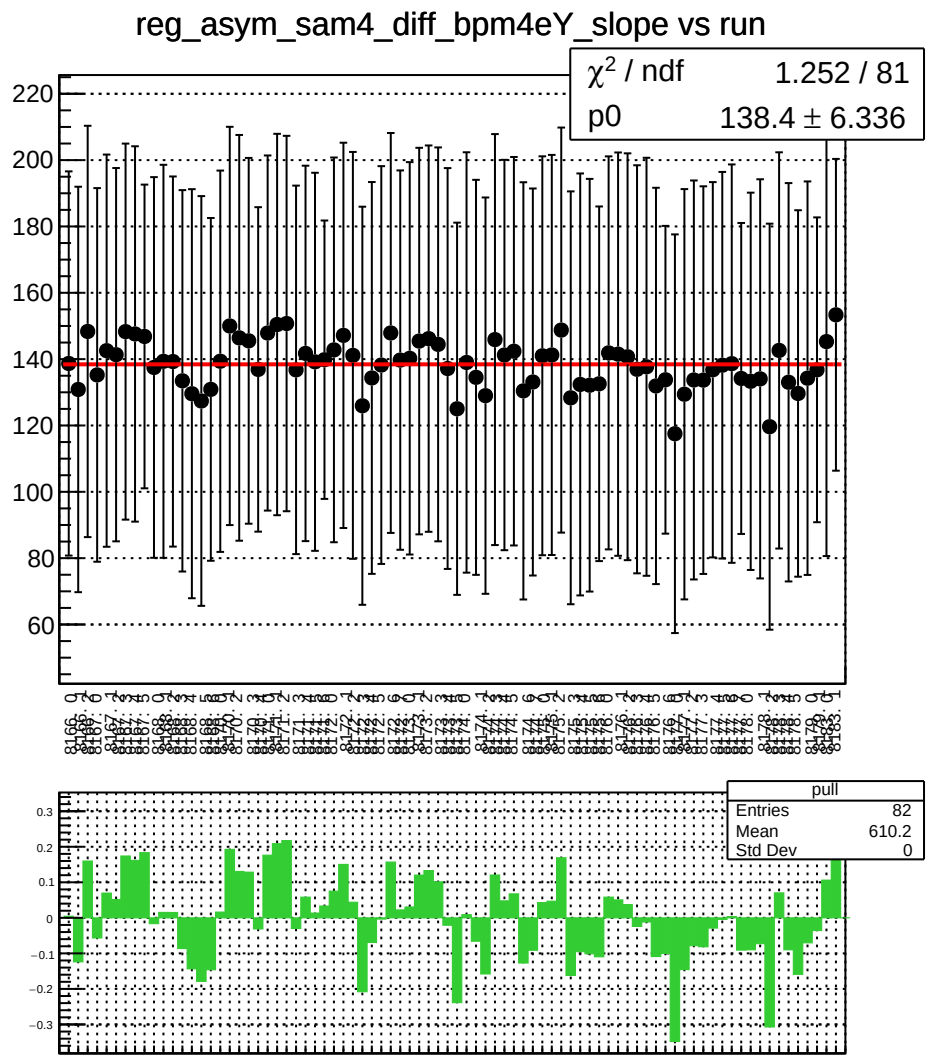

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.382 / 81
p0 −22.54 ± 3.195
pull
Entries 82
Mean 581.8
Std Dev 0
pull1D
Entries 82
Mean −0.001477
Std Dev 0.1298

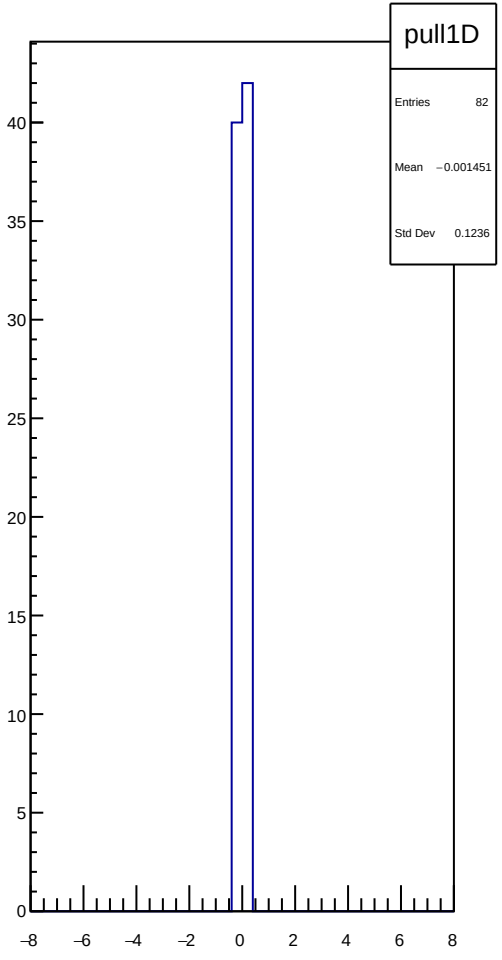

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.655 / 81
p0 106.9 ± 5.923
pull
Entries 82
Mean 744.2
Std Dev 0

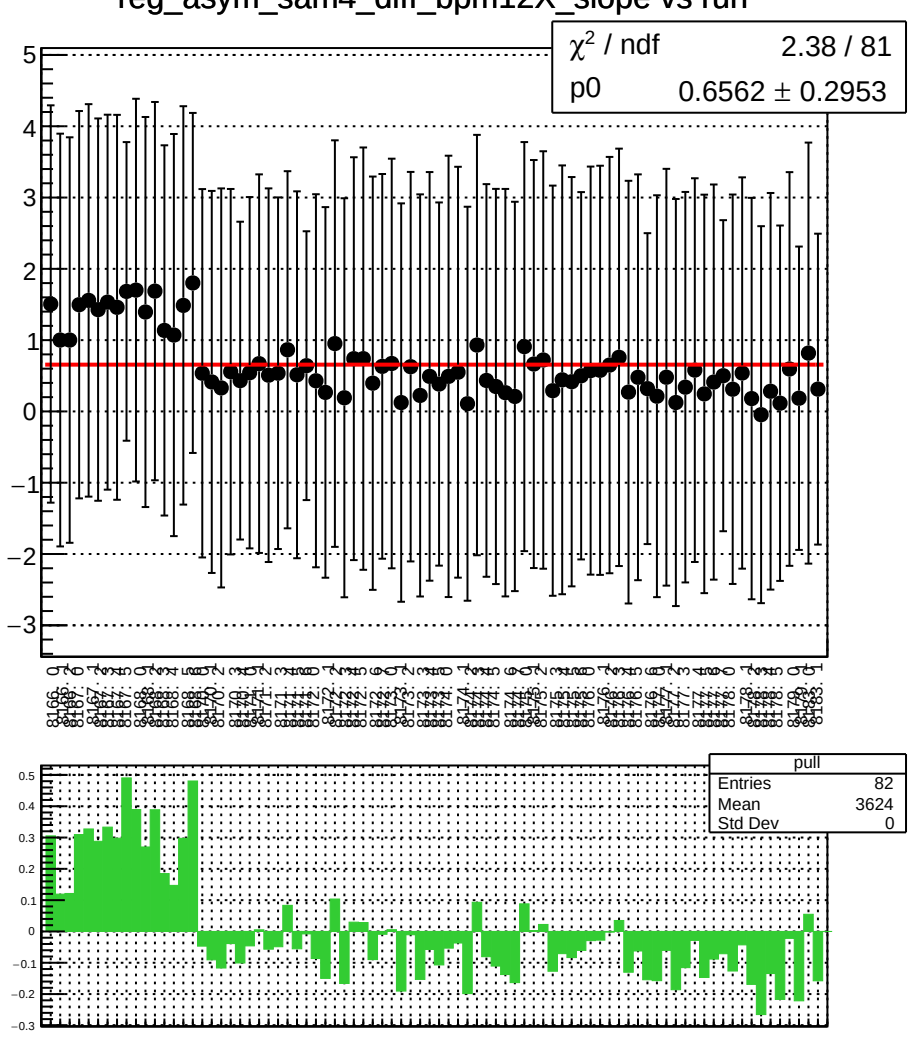

pull1D
Entries 82
Mean 0.002189
Std Dev 0.142

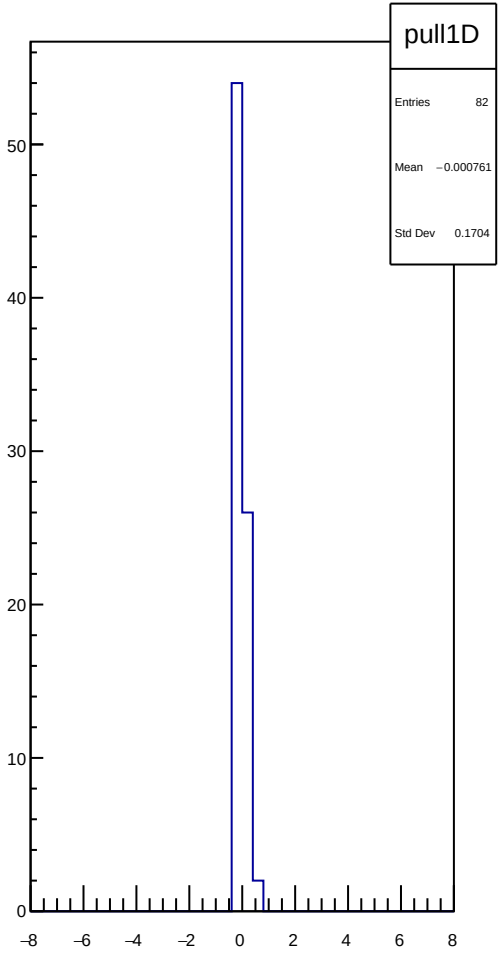

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.245 / 81
p0 −179.6 ± 3.202
pull
Entries 82
Mean −456.5
Std Dev 0

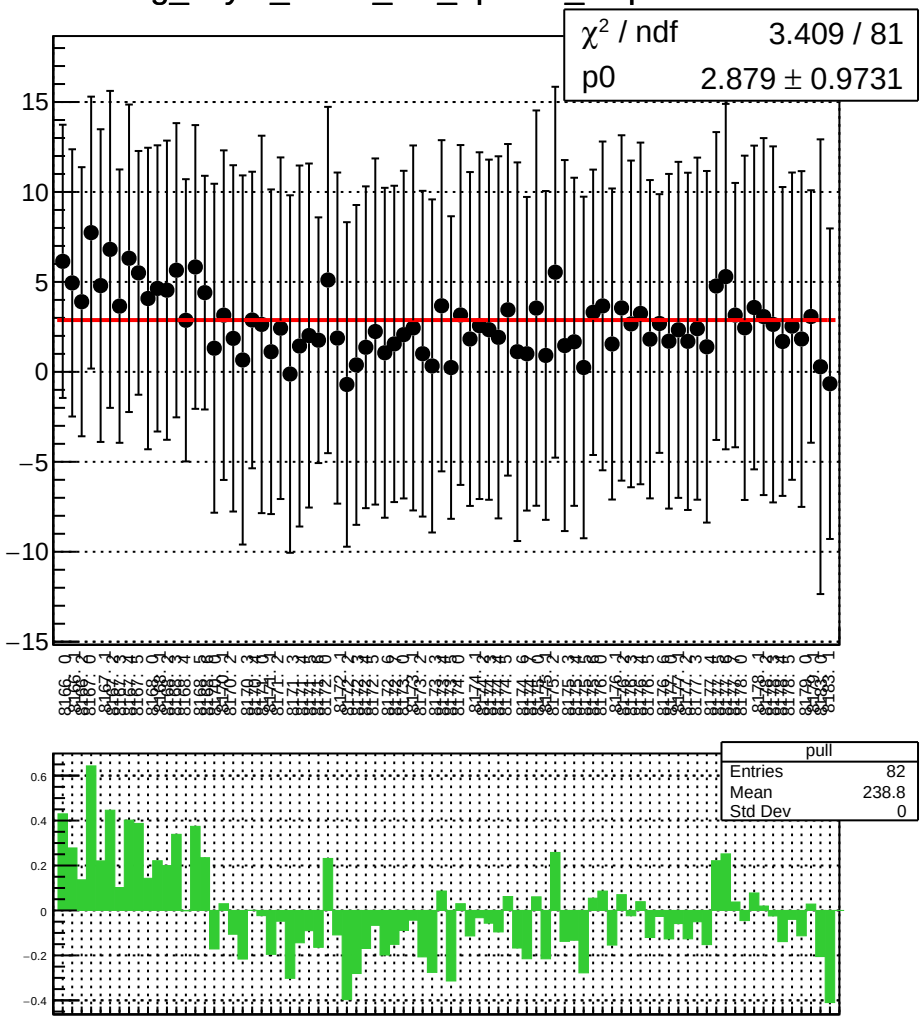

pull1D
Entries 82
Mean 0.0003911
Std Dev 0.1232

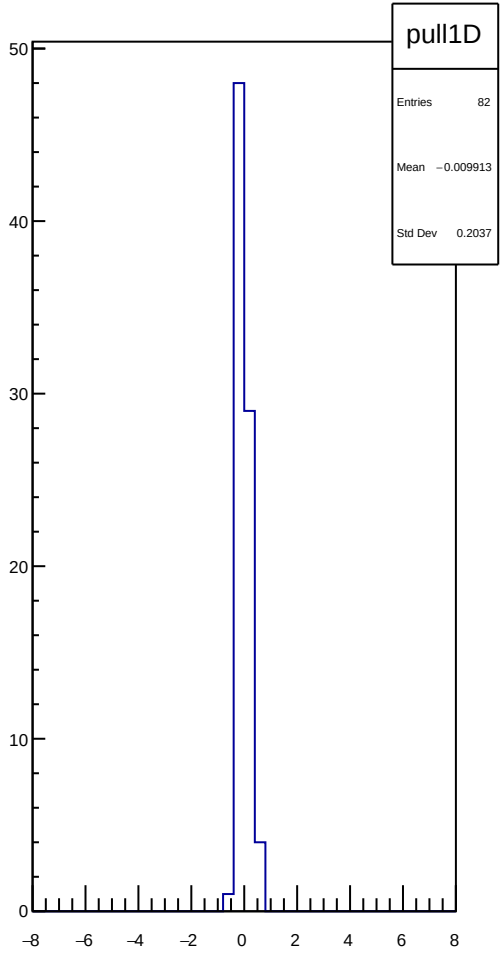

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 1.252 / 81
p0 138.4 ± 6.336
pull
Entries 82
Mean 610.2
Std Dev 0

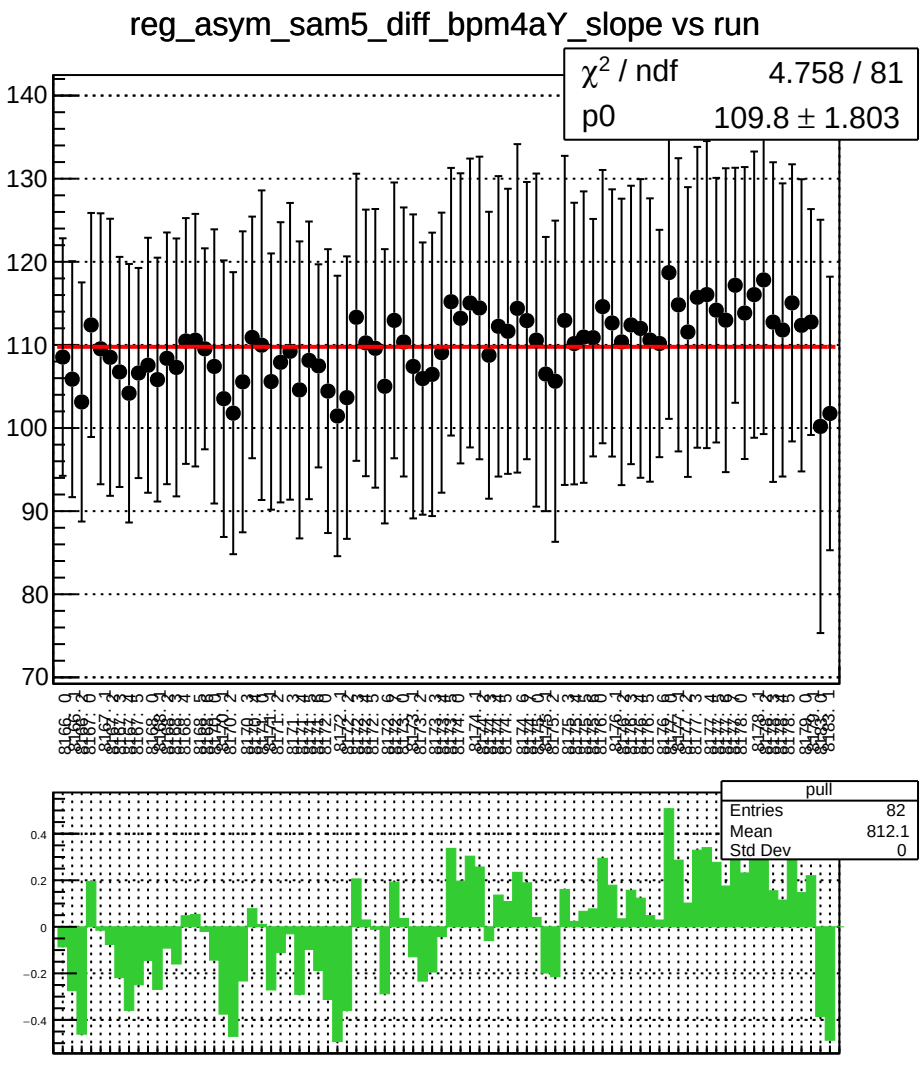

pull1D
Entries 82
Mean −0.001451
Std Dev 0.1236

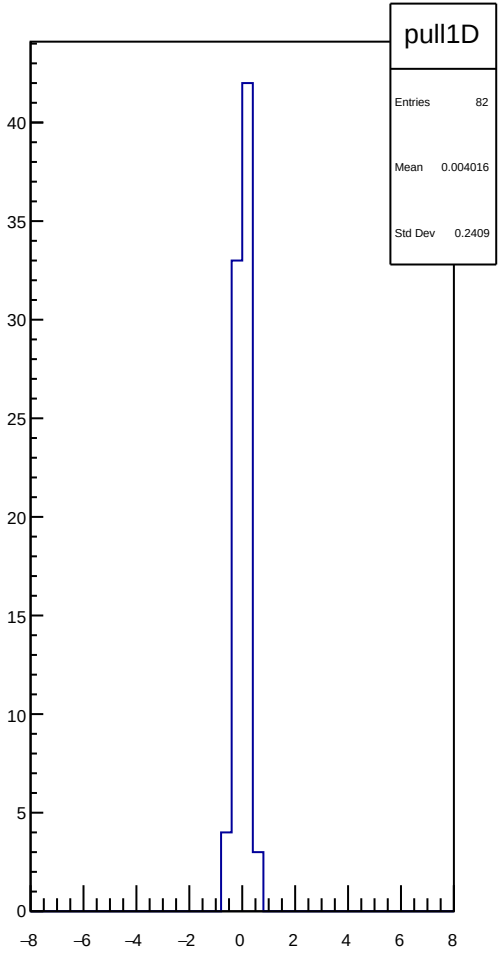

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.38 / 81
p0 0.6562 ± 0.2953
pull
Entries 82
Mean 3624
Std Dev 0

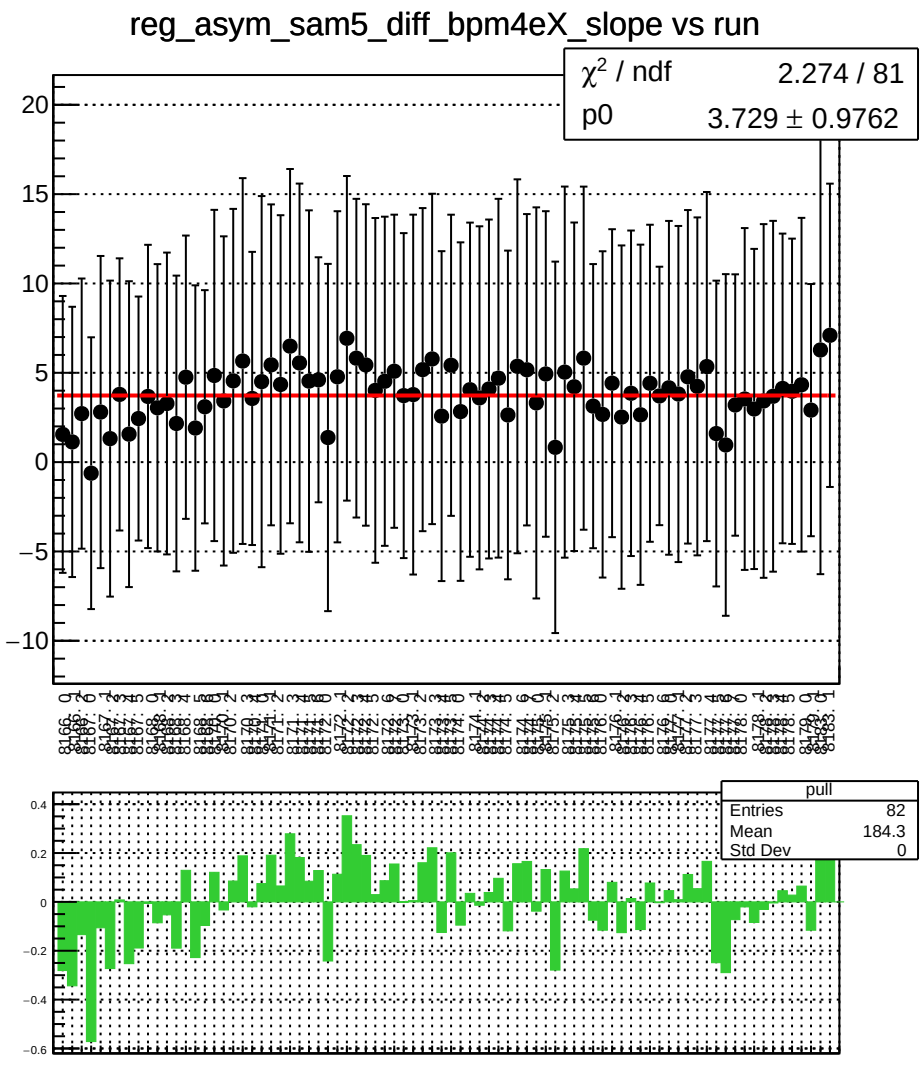

pull1D
Entries 82
Mean −0.000761
Std Dev 0.1704

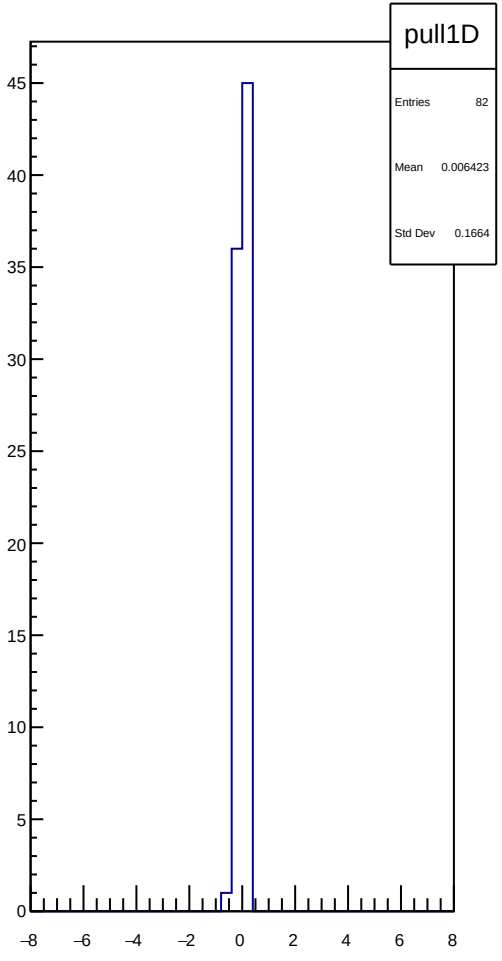

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 3.409 / 81
p0 2.879 ± 0.9731
pull
Entries 82
Mean 238.8
Std Dev 0

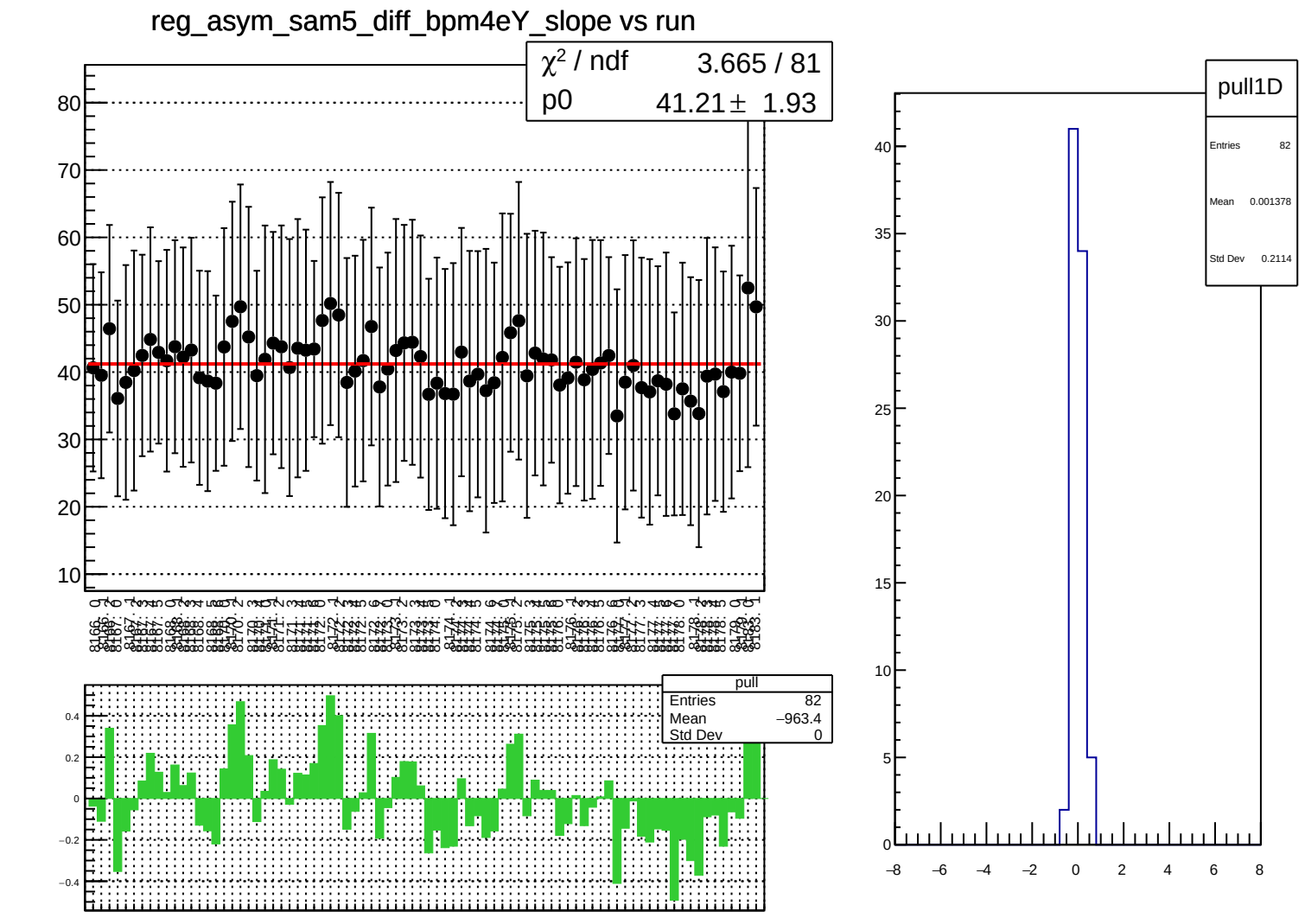

pull1D
Entries 82
Mean −0.009913
Std Dev 0.2037

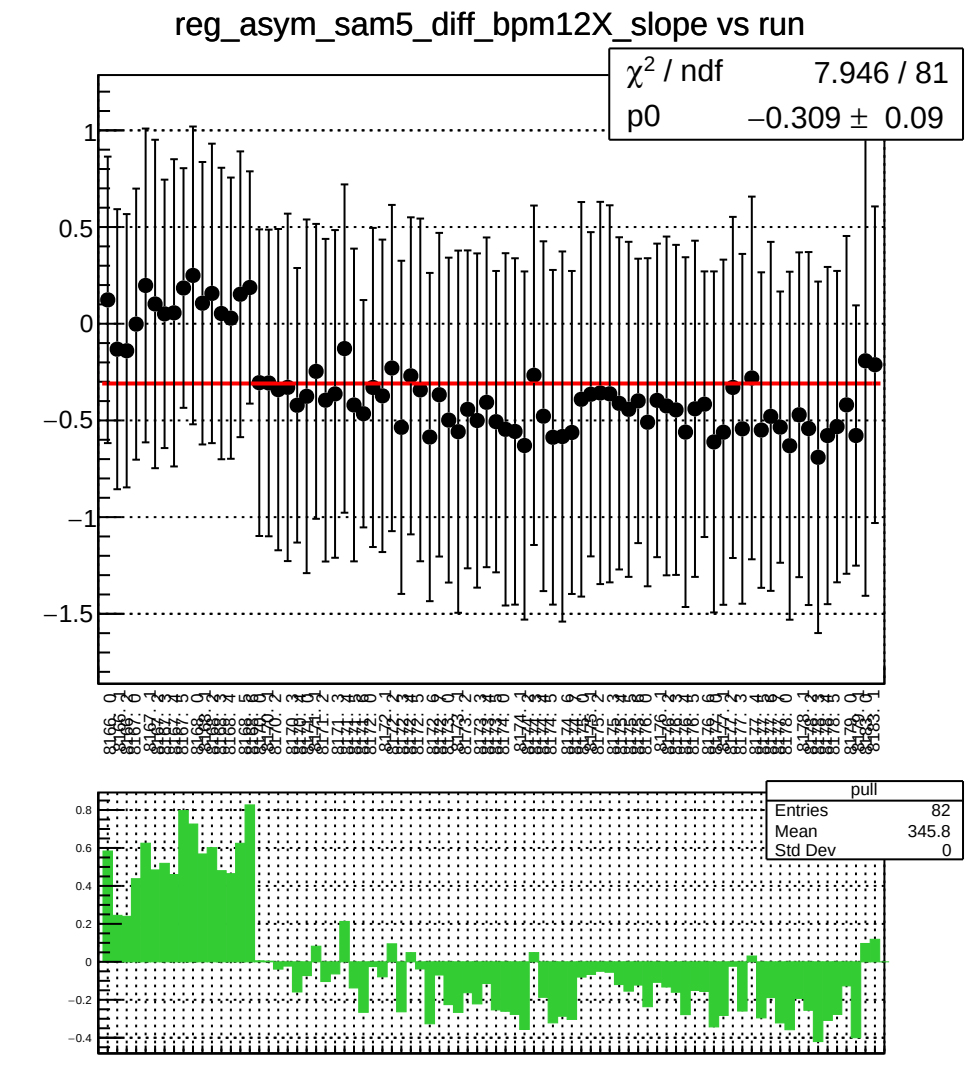

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 4.758 / 81
p0 109.8 ± 1.803
pull
Entries 82
Mean 812.1
Std Dev 0

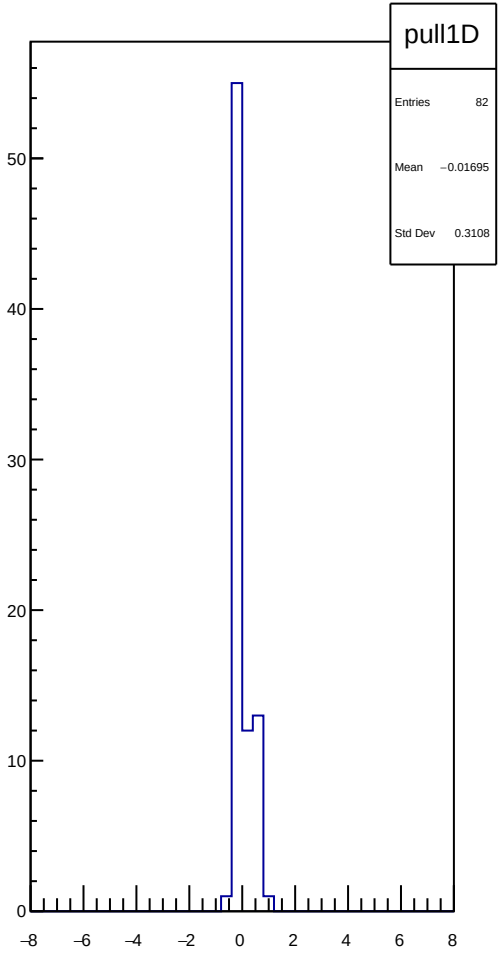

pull1D
Entries 82
Mean 0.004016
Std Dev 0.2409

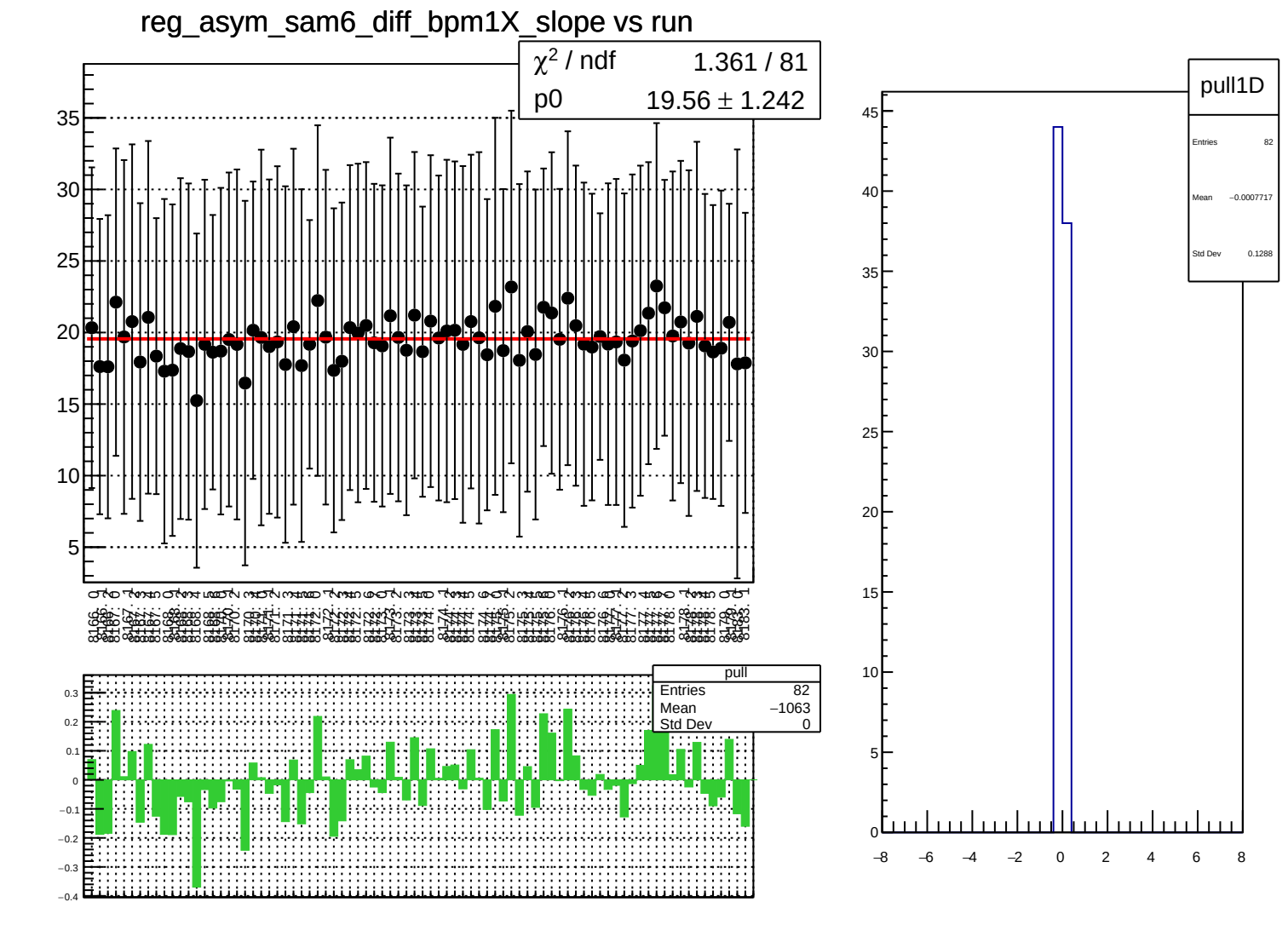

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.274 / 81
p0 3.729 ± 0.9762
pull
Entries 82
Mean 184.3
Std Dev 0

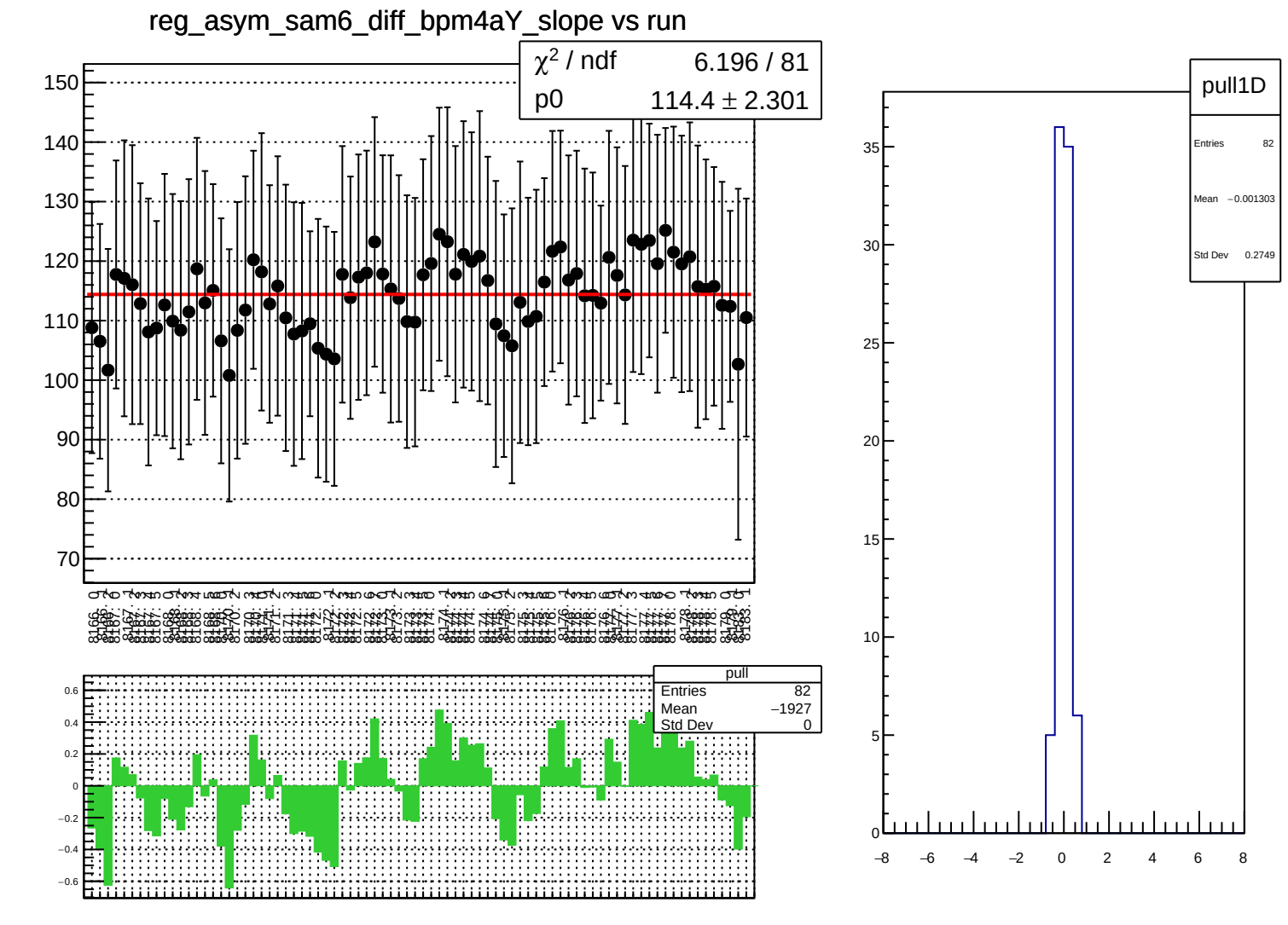

pull1D
Entries 82
Mean 0.006423
Std Dev 0.1664

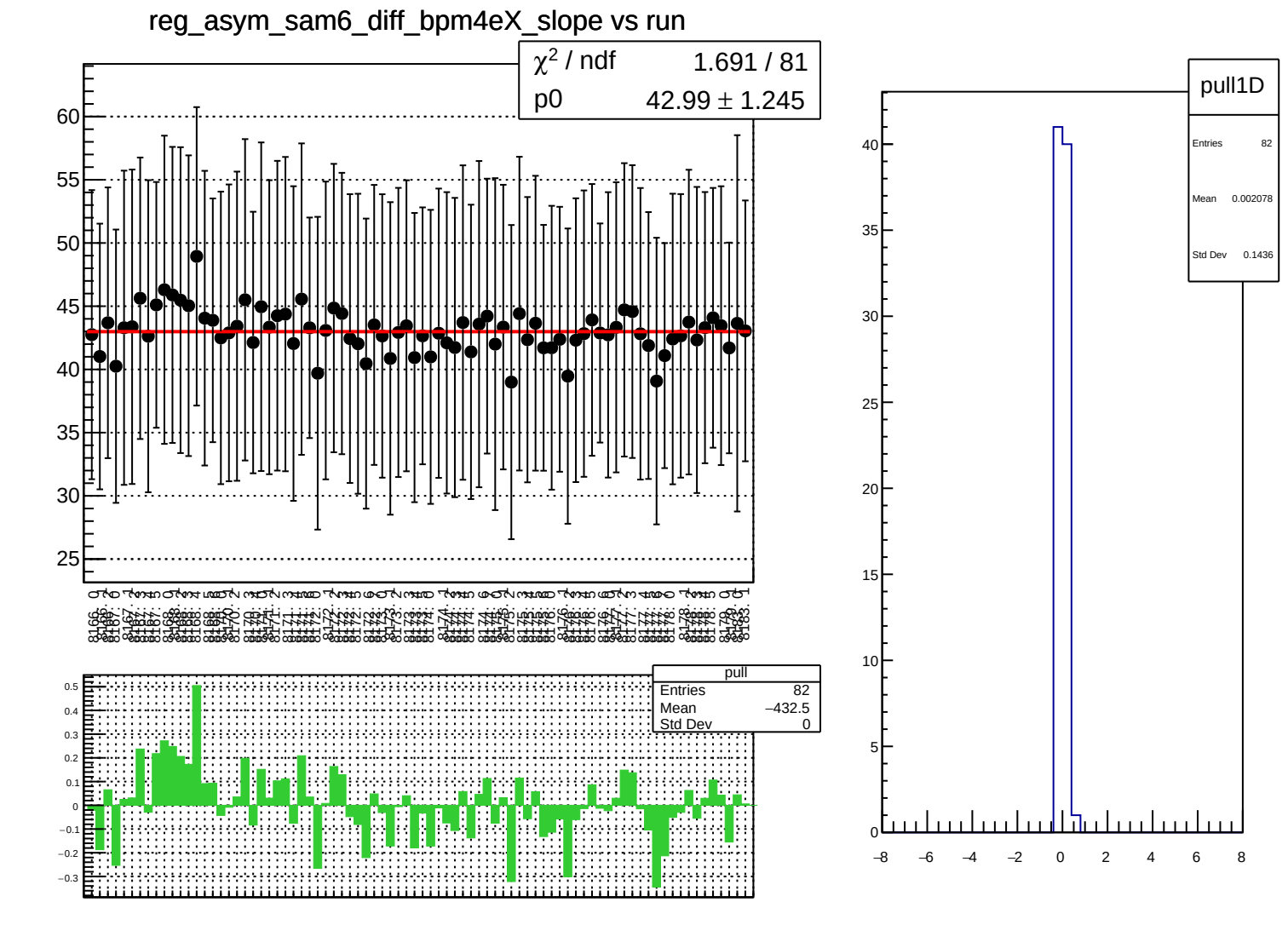

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 3.665 / 81
p0 41.21 ± 1.93
pull
Entries 82
Mean −963.4
Std Dev 0
pull1D
Entries 82
Mean 0.001378
Std Dev 0.2114

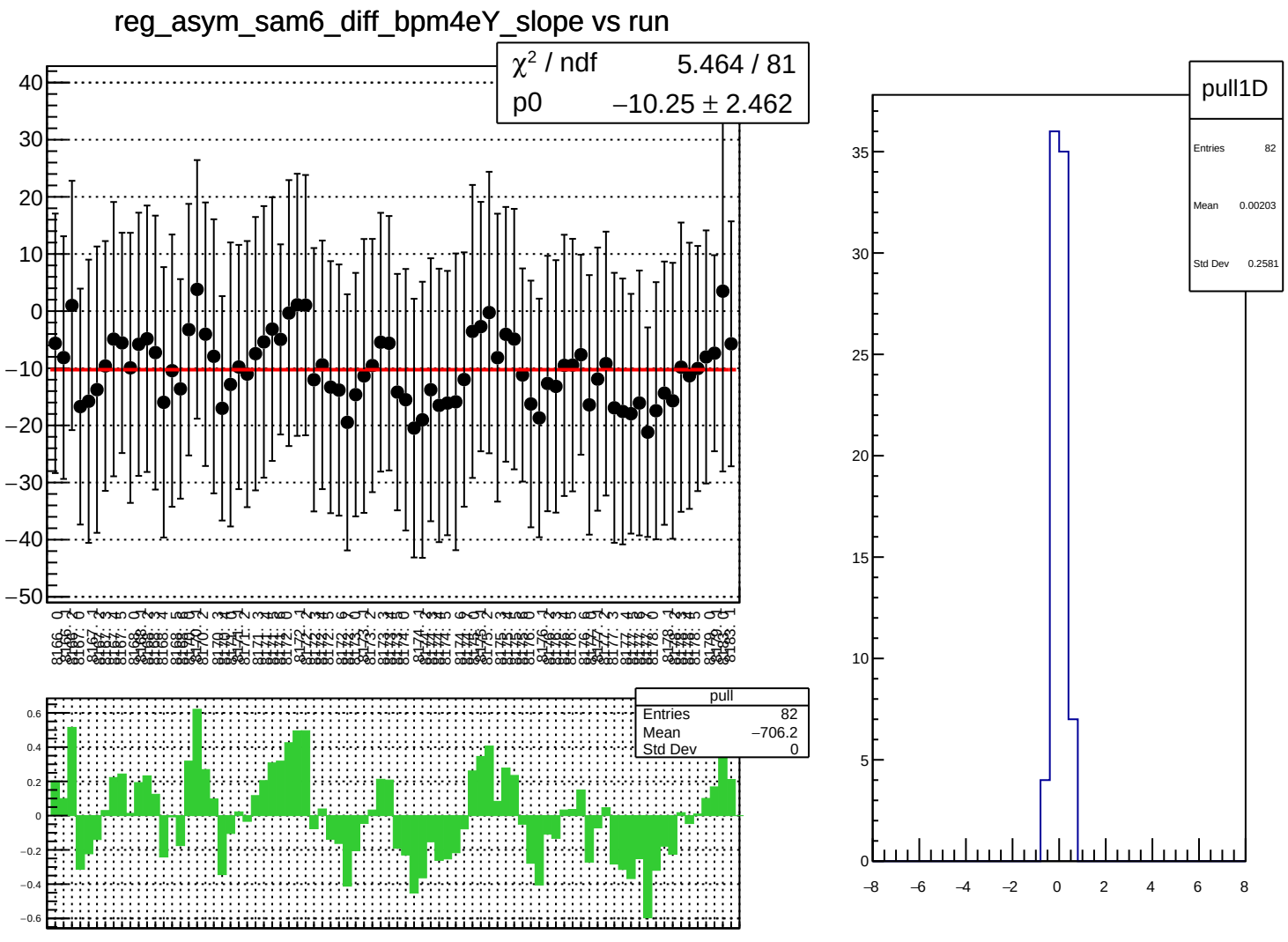

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 7.946 / 81
p0 −0.309 ± 0.09
pull
Entries 82
Mean 345.8
Std Dev 0

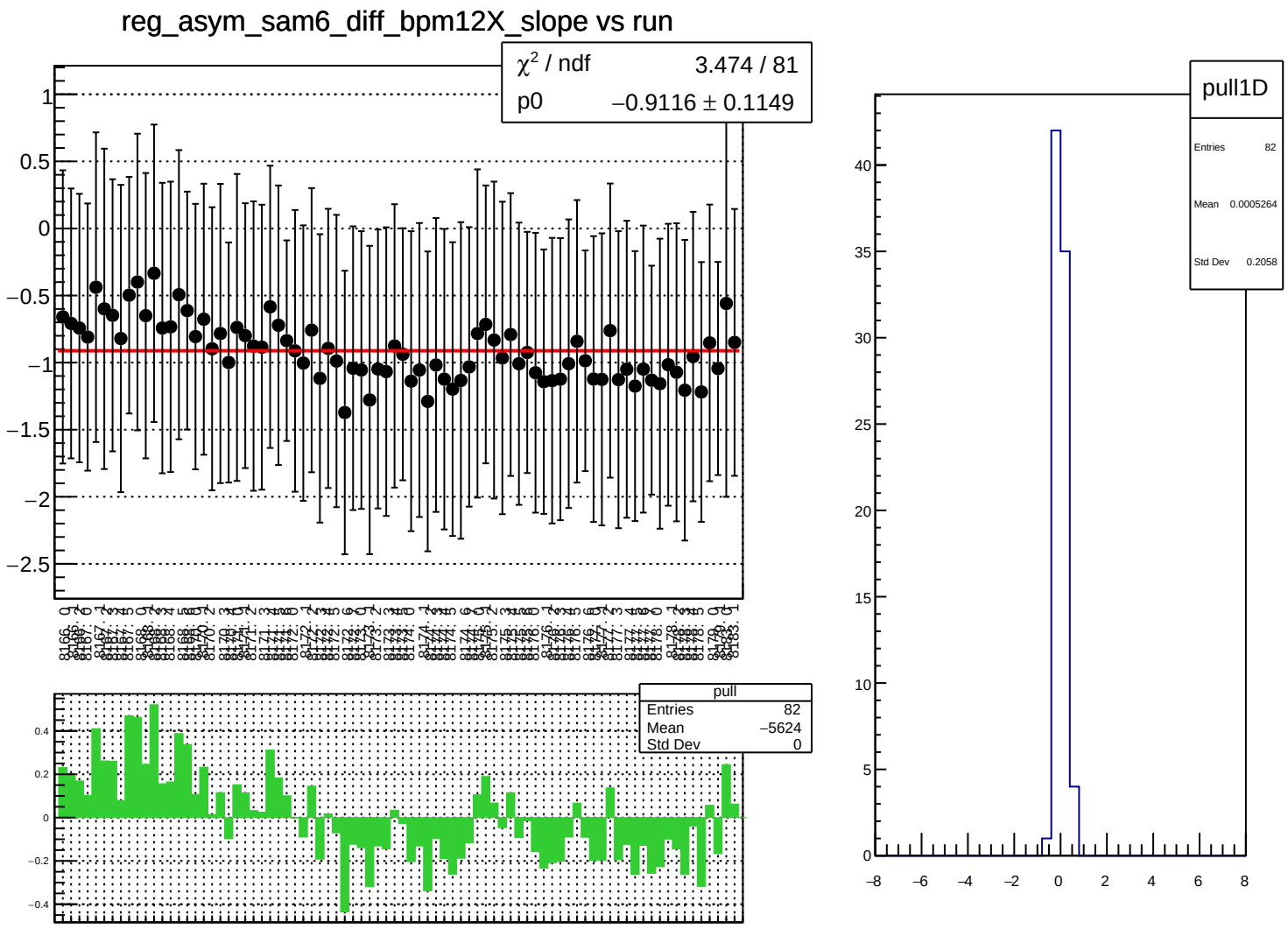

pull1D
Entries 82
Mean −0.01695
Std Dev 0.3108

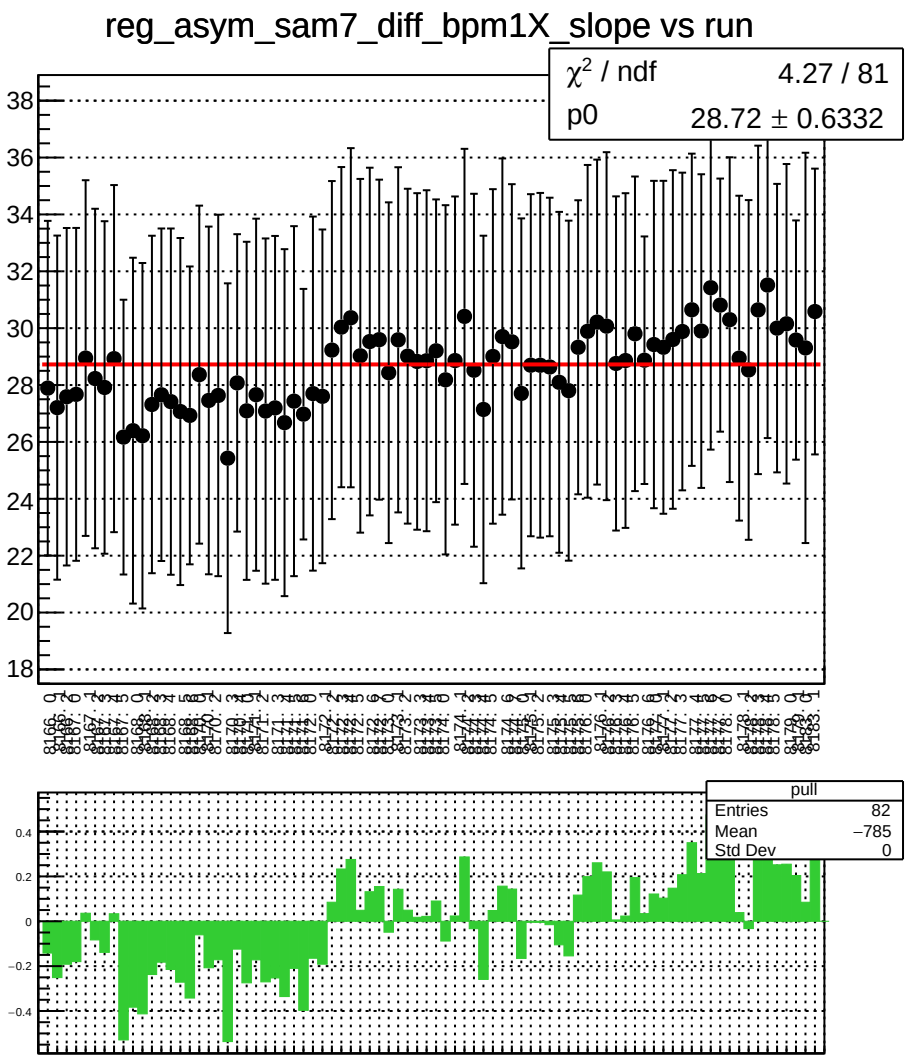

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 1.361 / 81
p0 19.56 ± 1.242
pull
Entries 82
Mean −1063
Std Dev 0
pull1D
Entries 82
Mean −0.0007717
Std Dev 0.1288

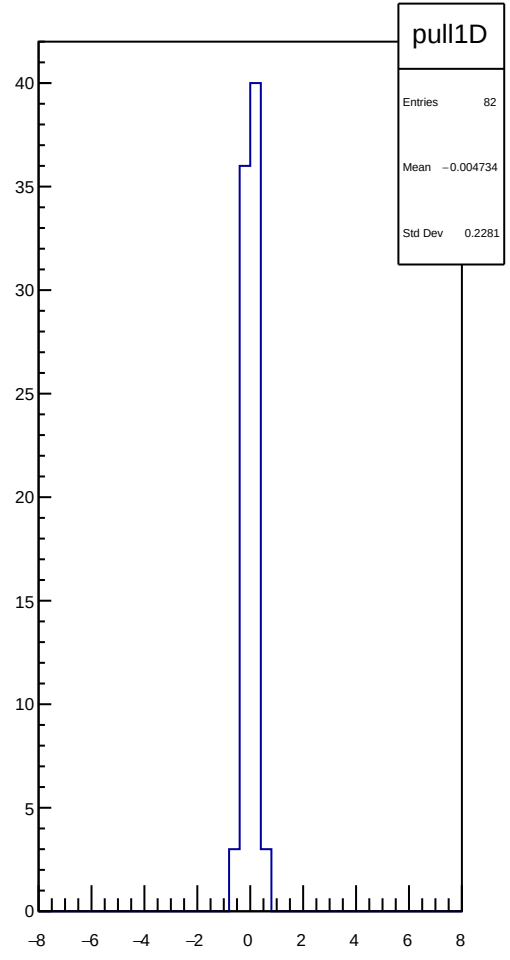

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.196 / 81
p0 114.4 ± 2.301
pull
Entries 82
Mean −1927
Std Dev 0
pull1D
Entries 82
Mean −0.001303
Std Dev 0.2749

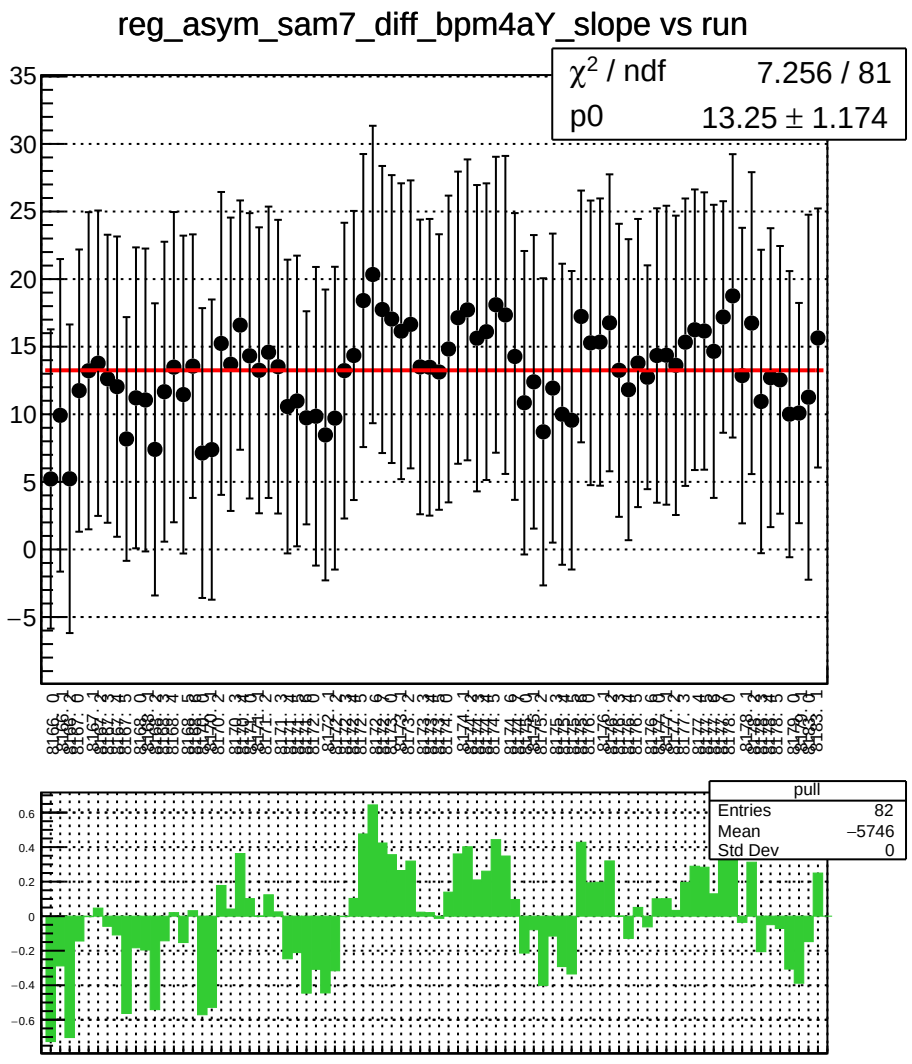

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.691 / 81
p0 42.99 ± 1.245
pull
Entries 82
Mean −432.5
Std Dev 0
pull1D
Entries 82
Mean 0.002078
Std Dev 0.1436

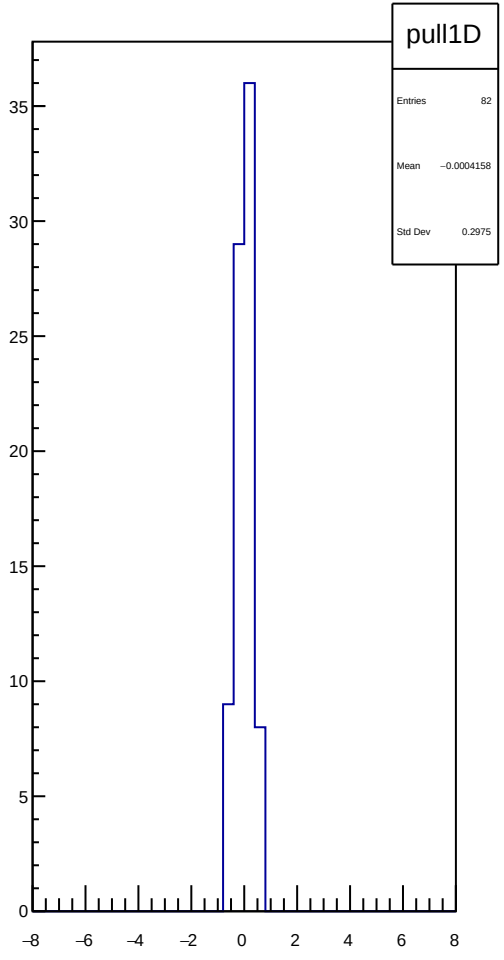

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 5.464 / 81
p0 −10.25 ± 2.462
pull
Entries 82
Mean −706.2
Std Dev 0
pull1D
Entries 82
Mean 0.00203
Std Dev 0.2581

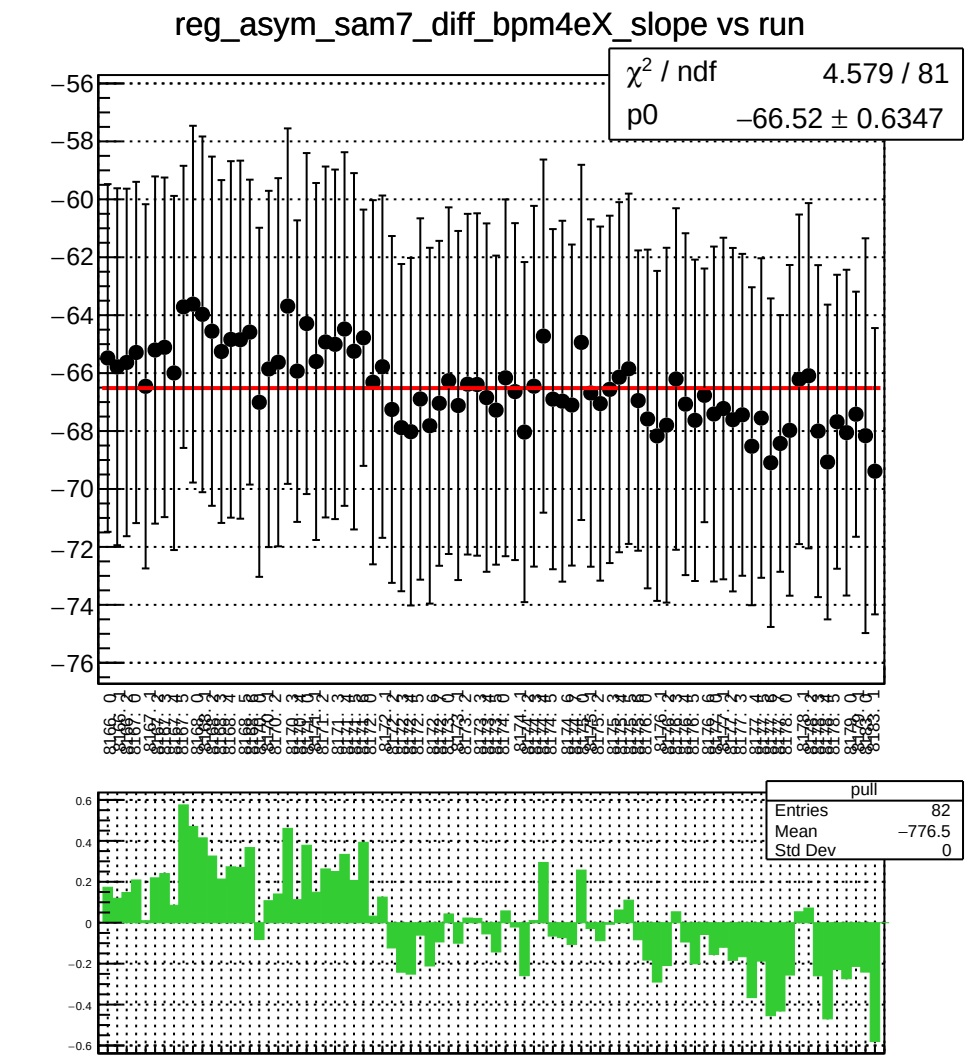

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.474 / 81
p0 −0.9116 ± 0.1149
pull
Entries 82
Mean −5624
Std Dev 0
pull1D
Entries 82
Mean 0.0005264
Std Dev 0.2058

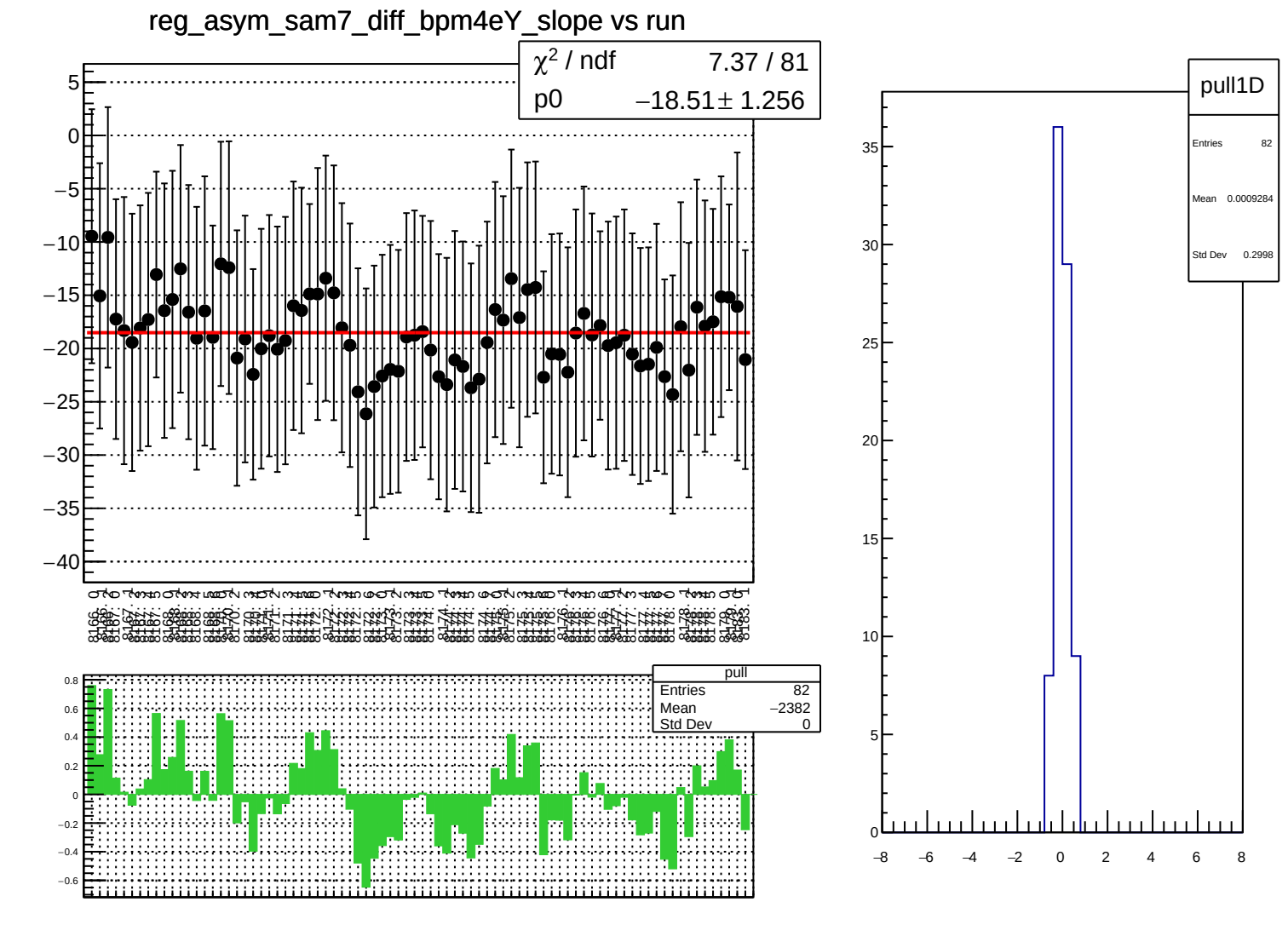

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 4.27 / 81
p0 28.72 ± 0.6332
pull
Entries 82
Mean −785
Std Dev 0

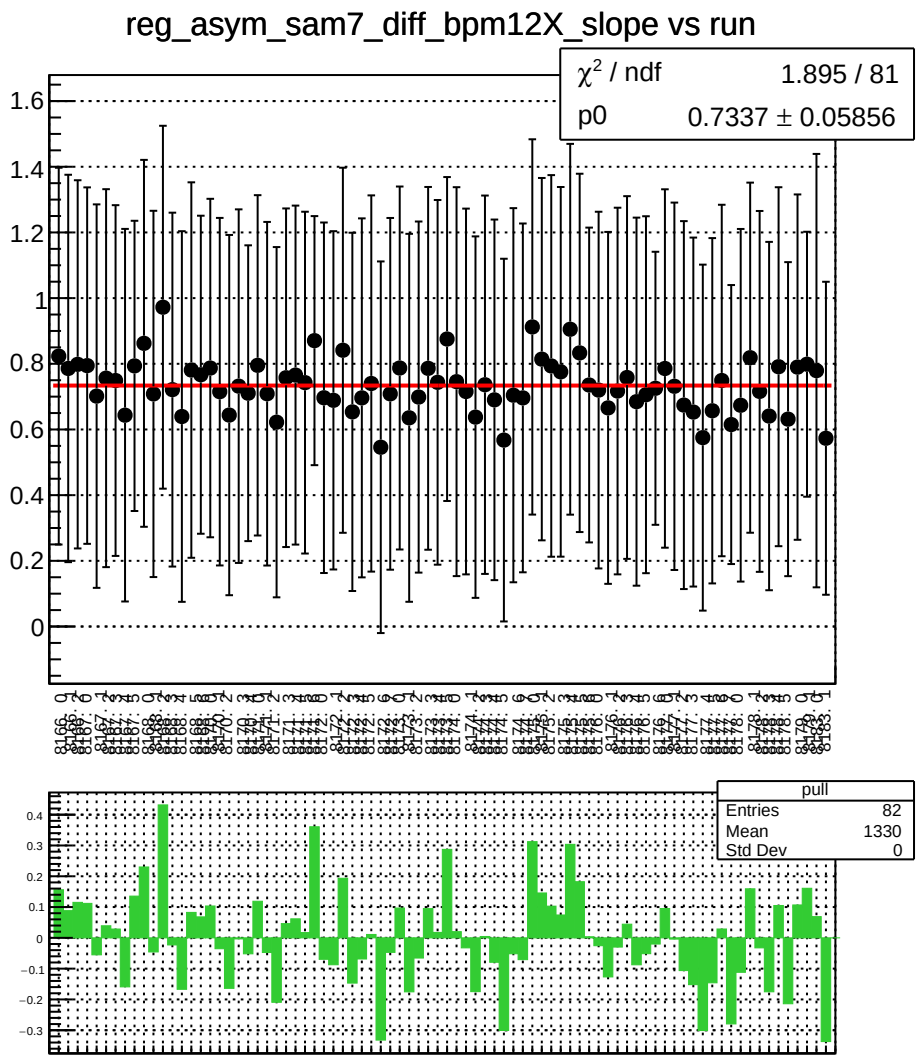

pull1D
Entries 82
Mean −0.004734
Std Dev 0.2281

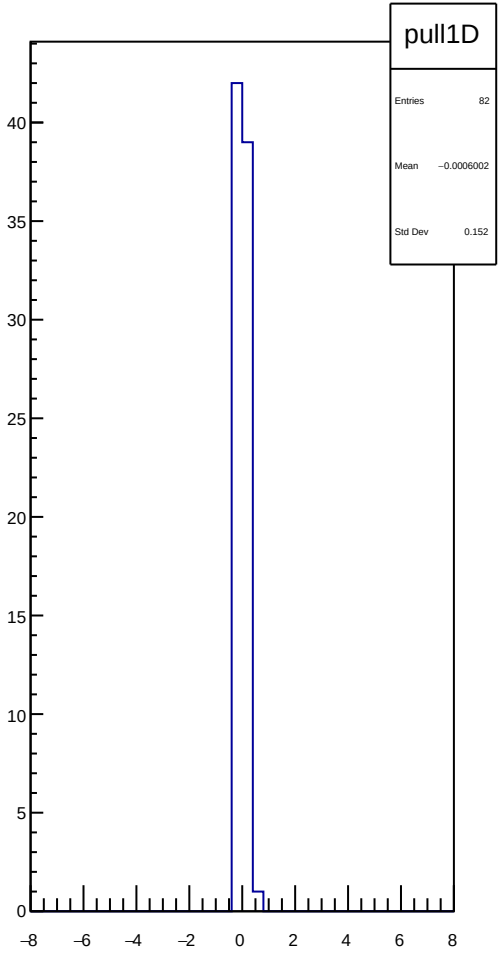

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 7.256 / 81
p0 13.25 ± 1.174
pull
Entries 82
Mean −5746
Std Dev 0

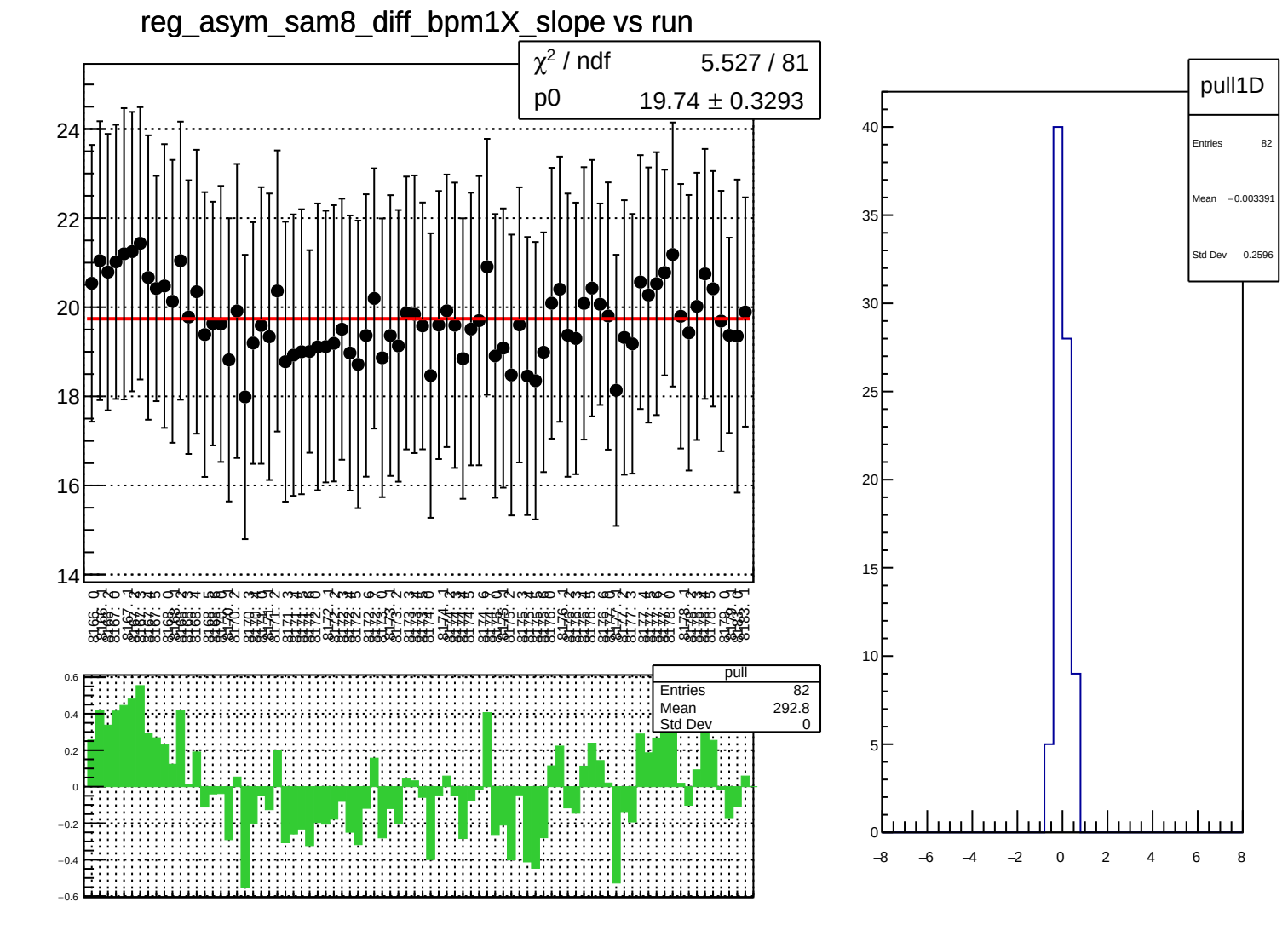

pull1D
Entries 82
Mean −0.0004158
Std Dev 0.2975

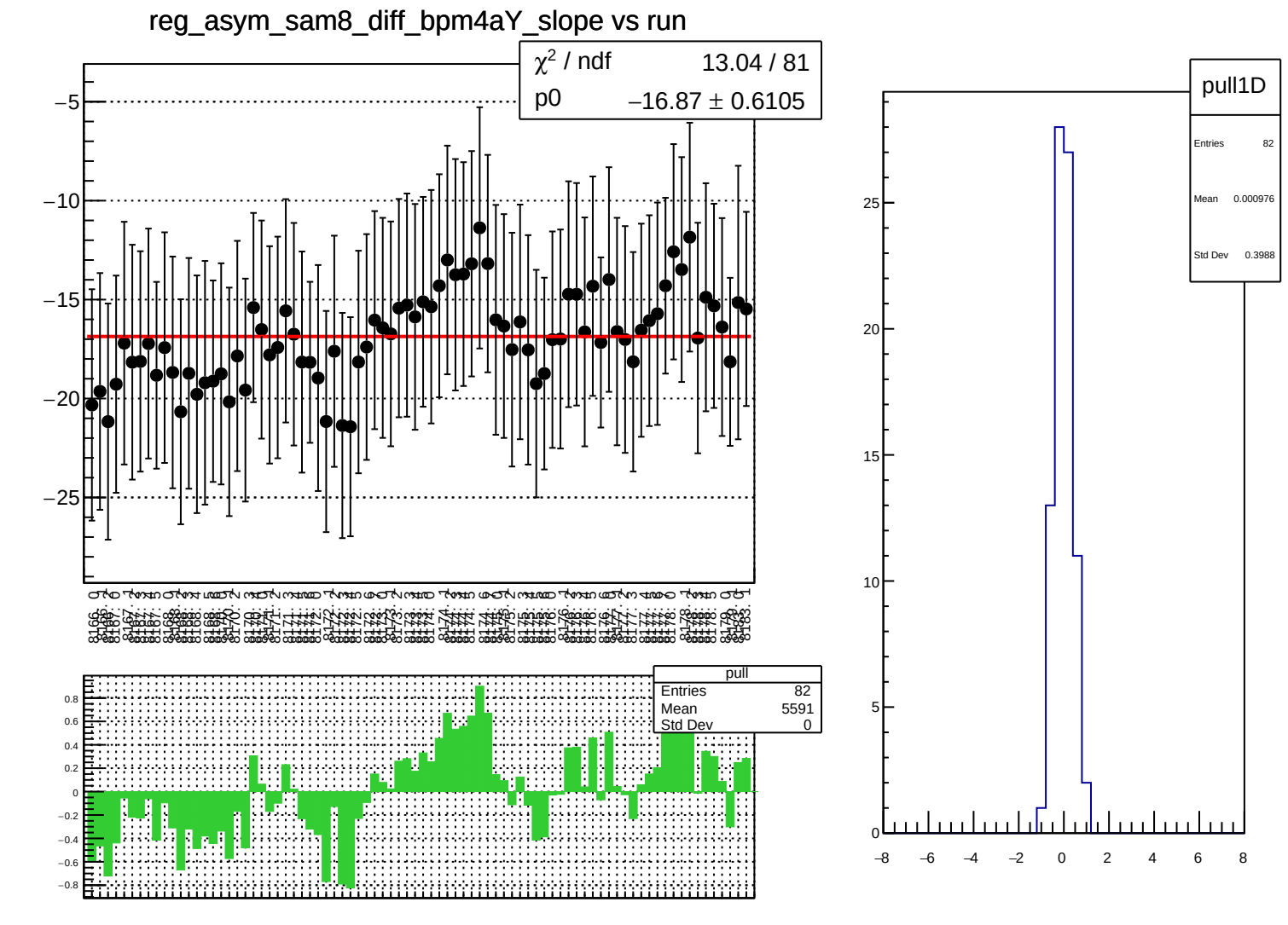

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 4.579 / 81
p0 −66.52 ± 0.6347
pull
Entries 82
Mean −776.5
Std Dev 0
pull1D
Entries 82
Mean 0.005024
Std Dev 0.2363

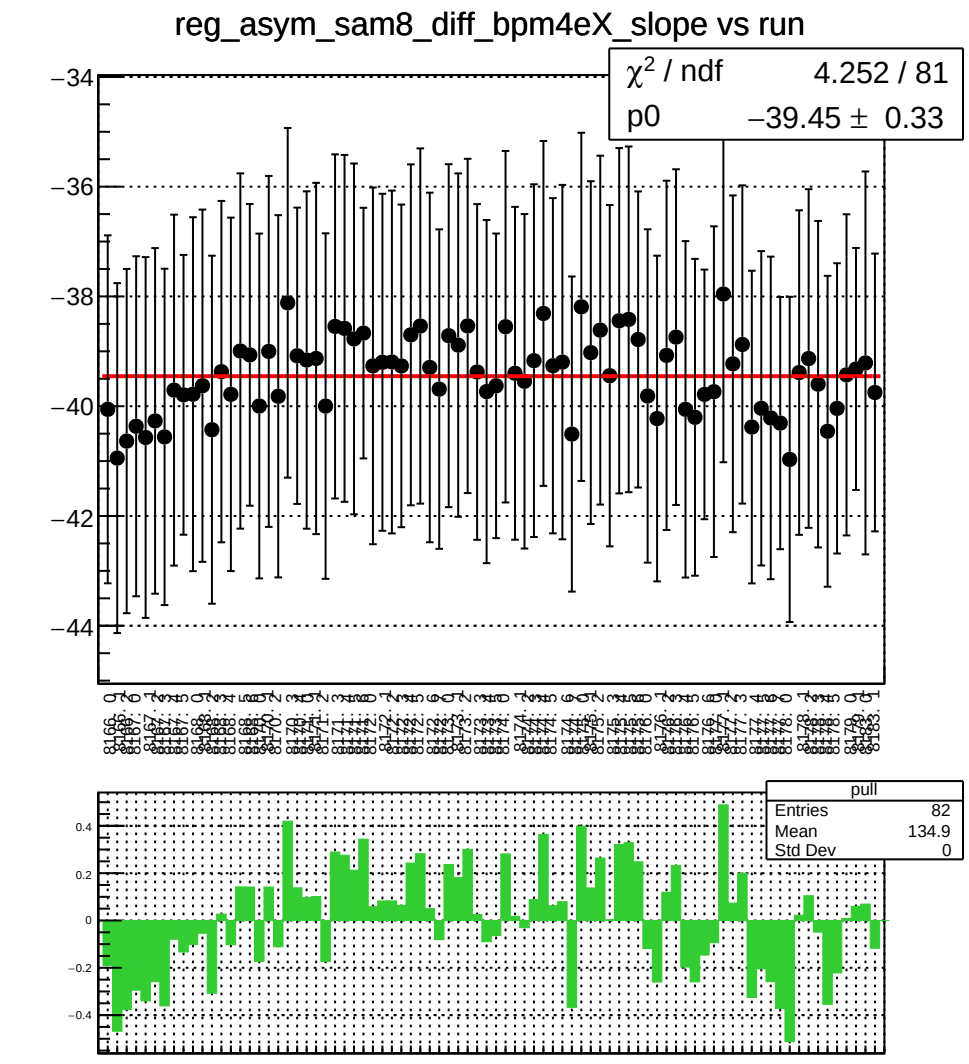

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 7.37 / 81
p0 −18.51 ± 1.256
pull
Entries 82
Mean −2382
Std Dev 0
pull1D
Entries 82
Mean 0.0009284
Std Dev 0.2998

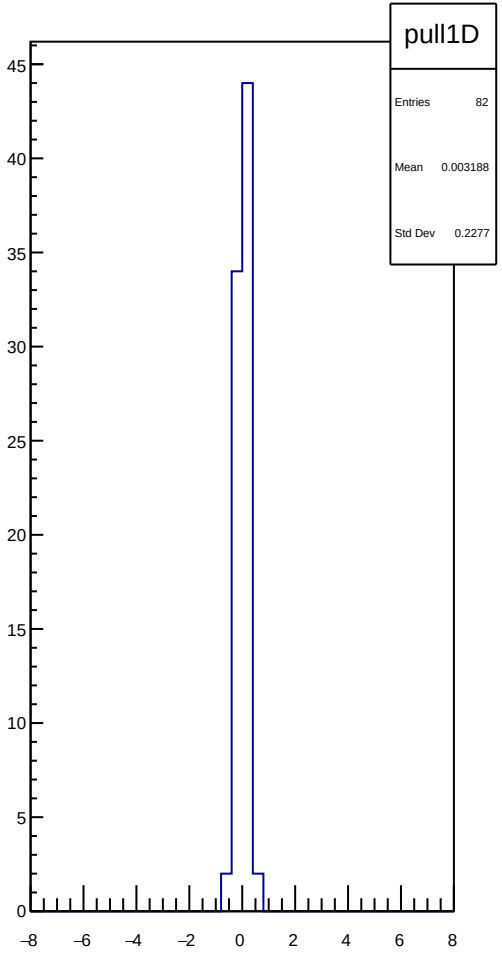

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 1.895 / 81
p0 0.7337 ± 0.05856
pull
Entries 82
Mean 1330
Std Dev 0

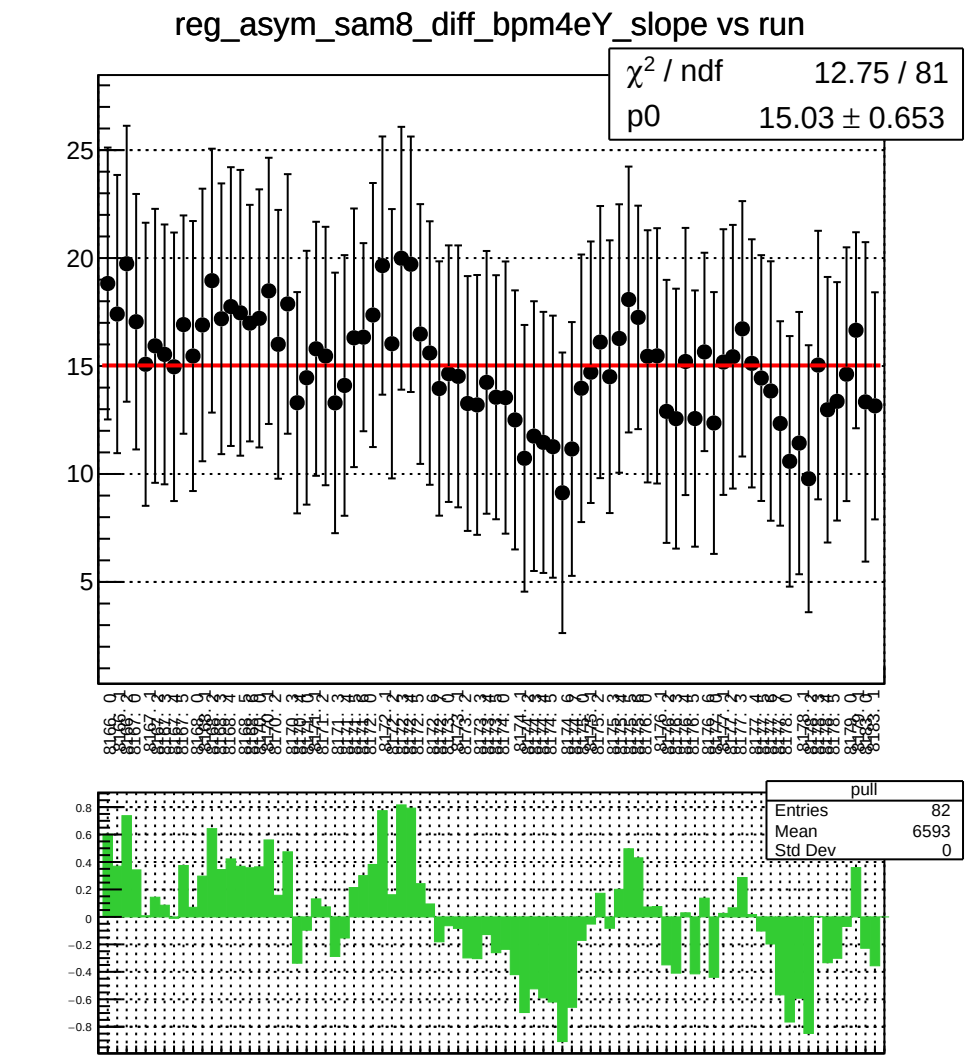

pull1D
Entries 82
Mean −0.0006002
Std Dev 0.152

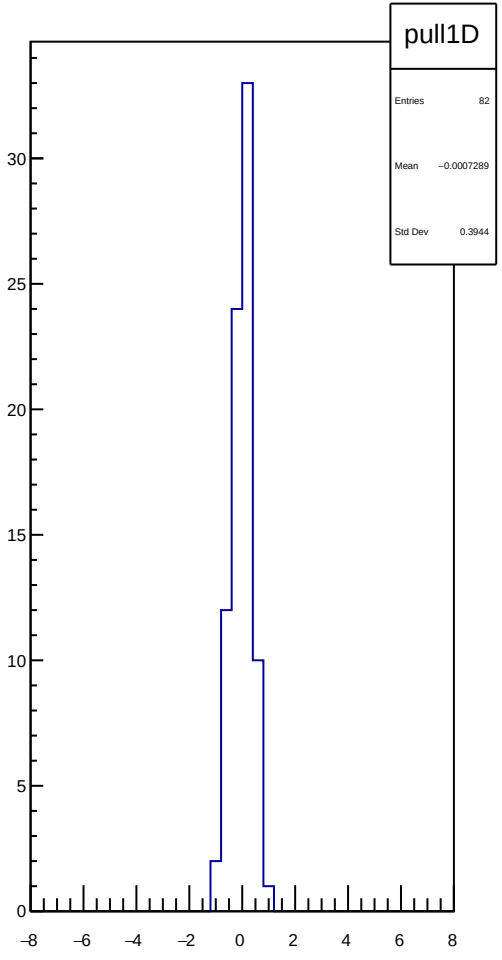

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5.527 / 81
p0 19.74 ± 0.3293
pull
Entries 82
Mean 292.8
Std Dev 0
pull1D
Entries 82
Mean −0.003391
Std Dev 0.2596

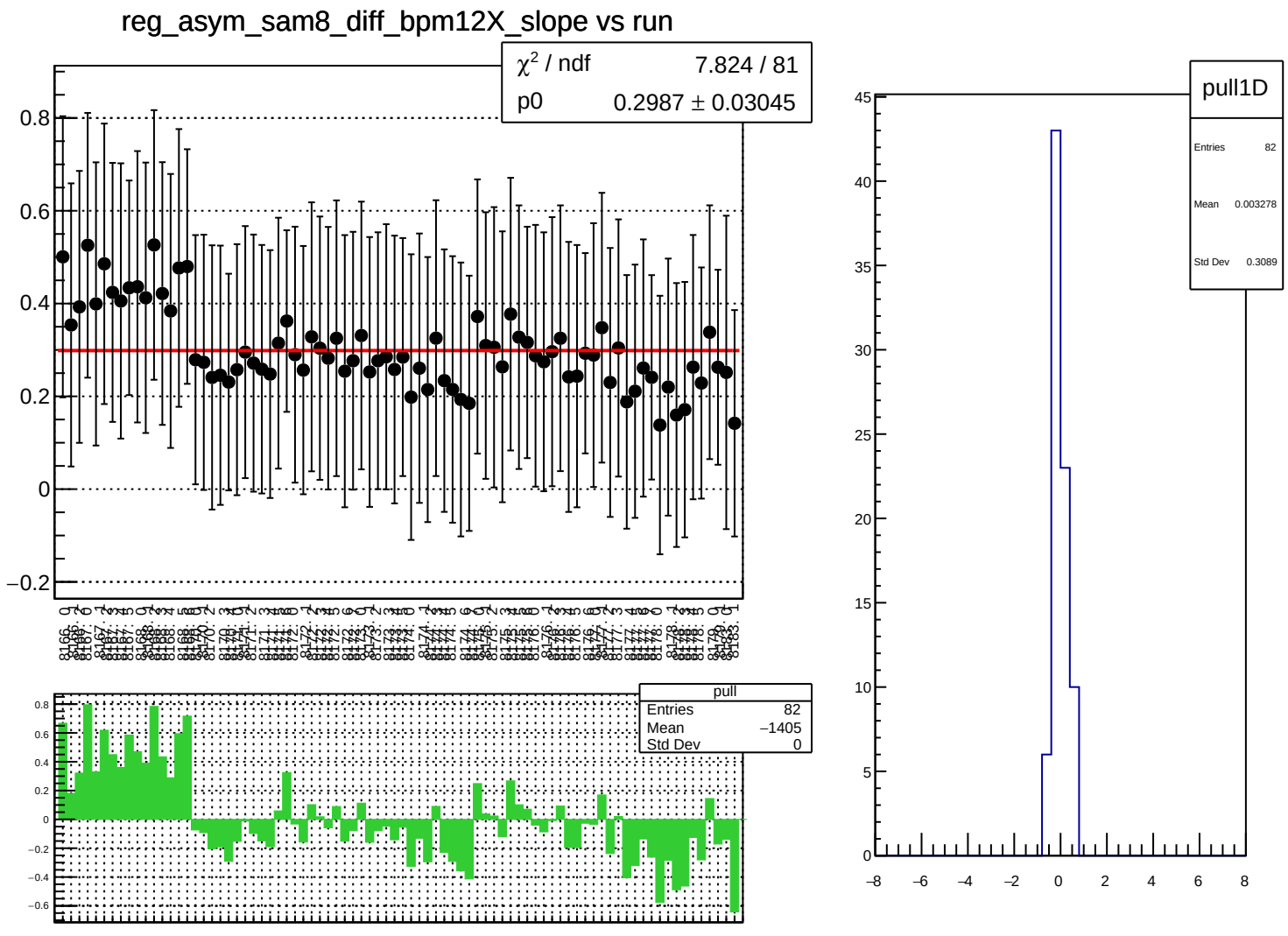

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 13.04 / 81
p0 −16.87 ± 0.6105
pull
Entries 82
Mean 5591
Std Dev 0
pull1D
Entries 82
Mean 0.000976
Std Dev 0.3988

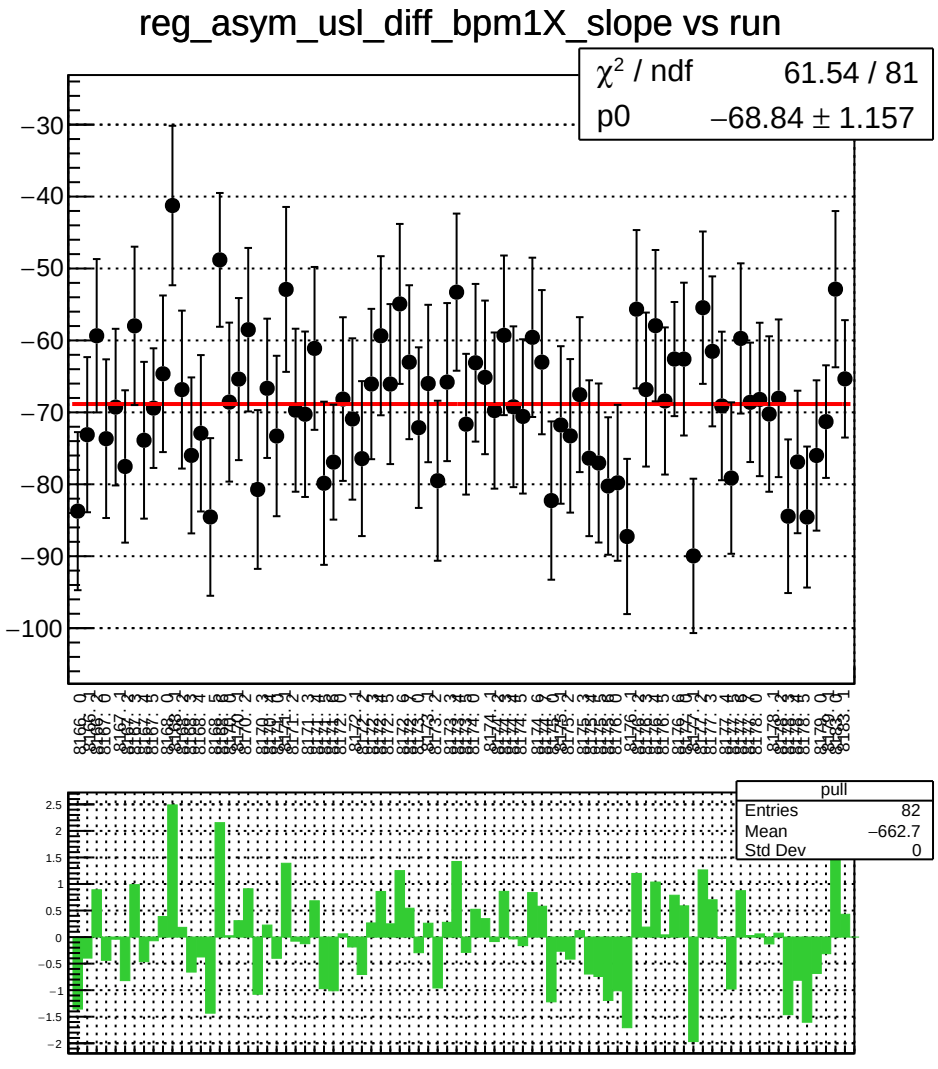

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 4.252 / 81
p0 −39.45 ± 0.33
pull
Entries 82
Mean 134.9
Std Dev 0

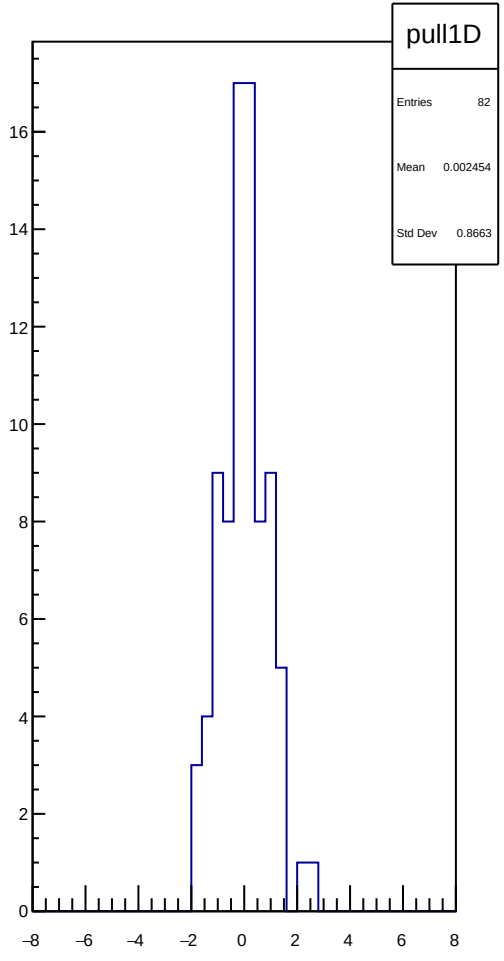

pull1D
Entries 82
Mean 0.003188
Std Dev 0.2277

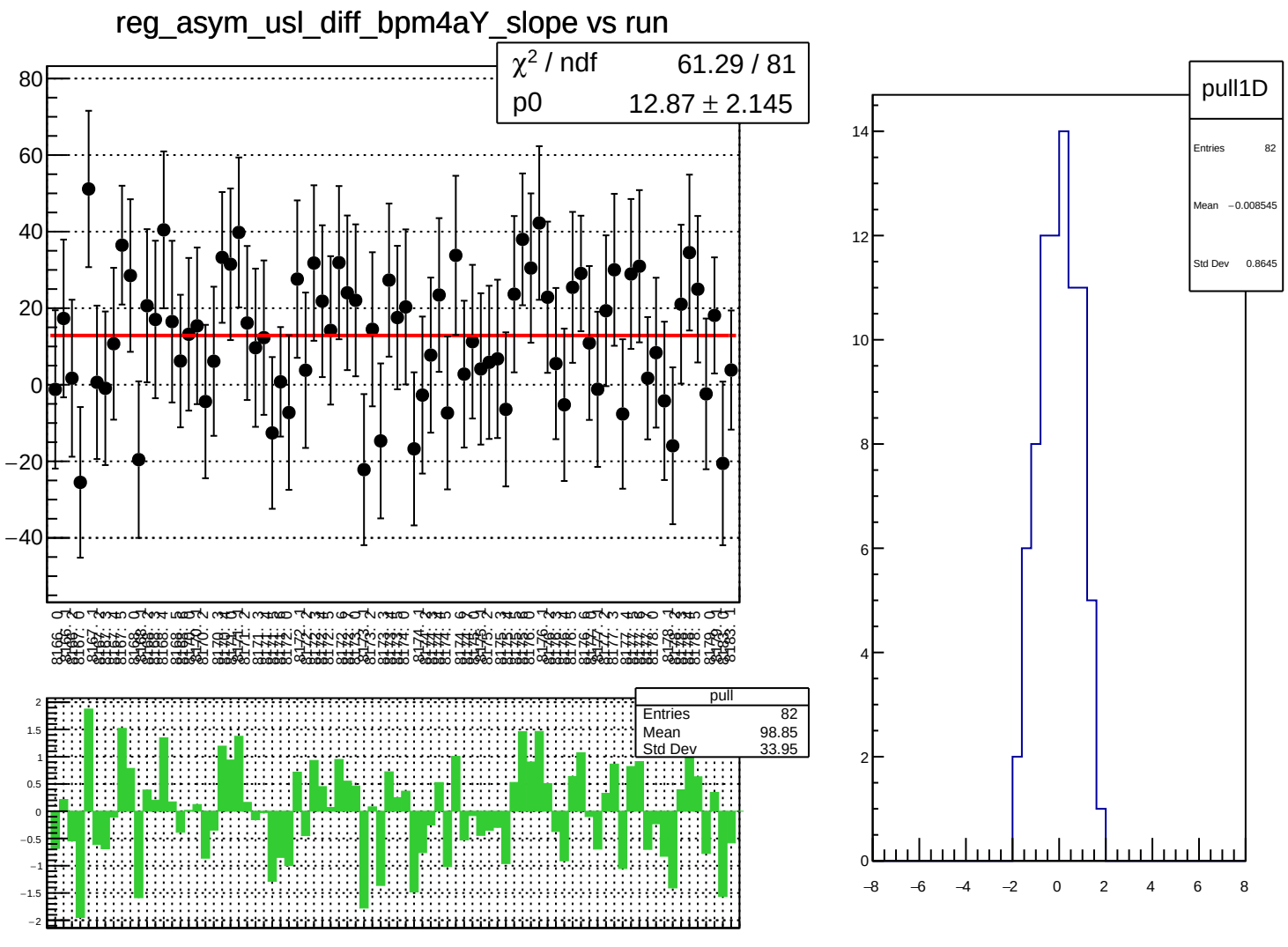

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 12.75 / 81
p0 15.03 ± 0.653
pull
Entries 82
Mean 6593
Std Dev 0

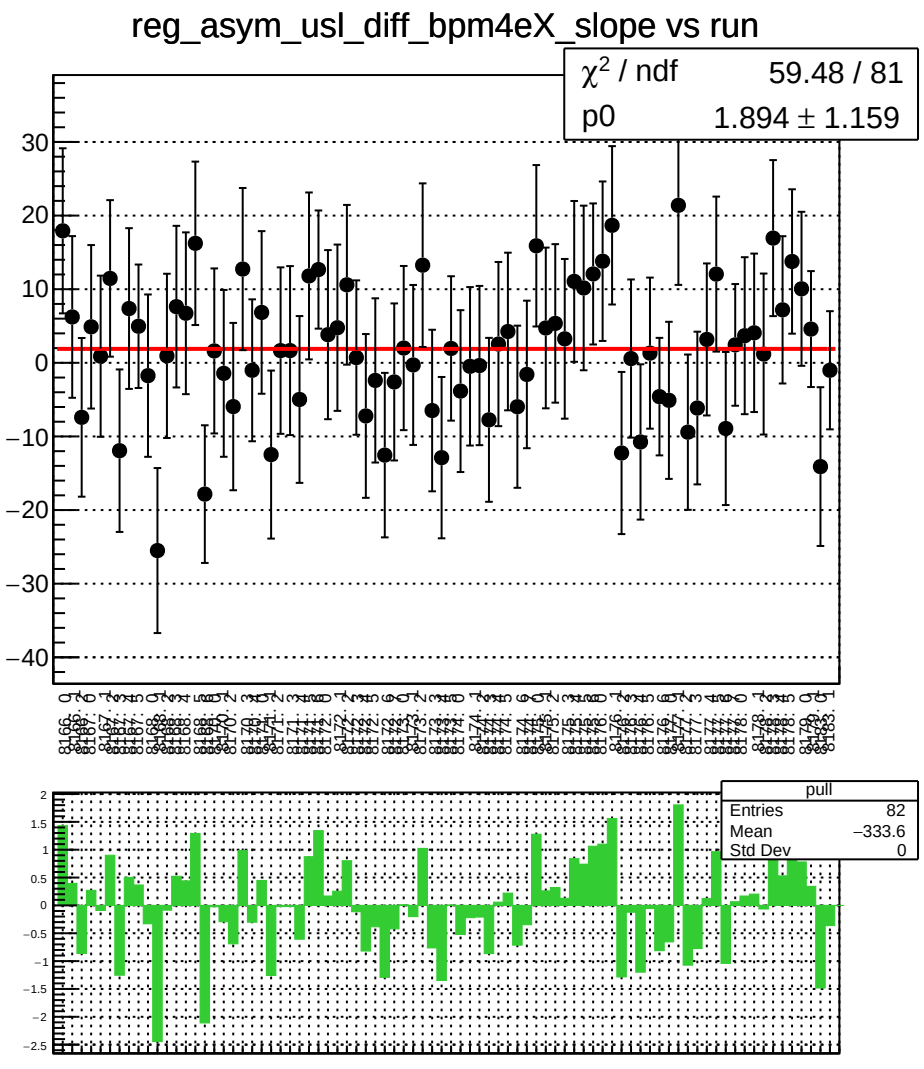

pull1D
Entries 82
Mean −0.0007289
Std Dev 0.3944

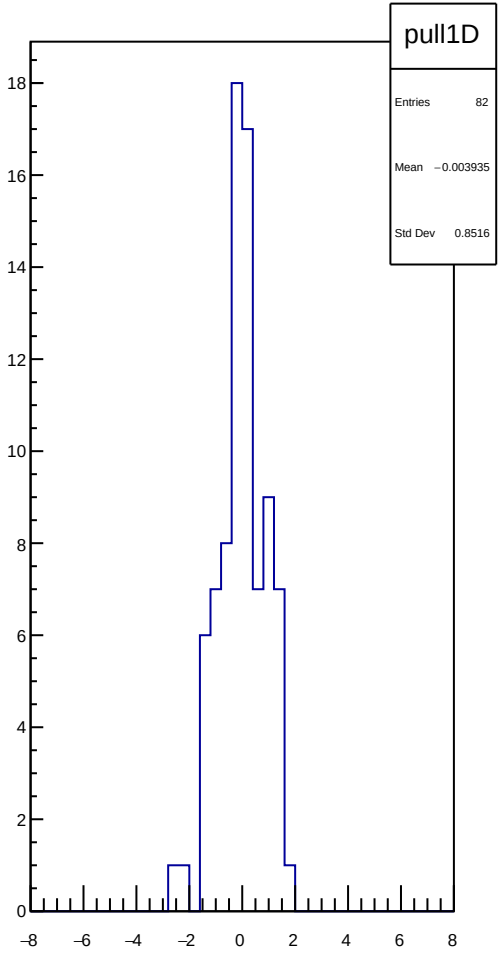

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 7.824 / 81
p0 0.2987 ± 0.03045
pull
Entries 82
Mean −1405
Std Dev 0
pull1D
Entries 82
Mean 0.003278
Std Dev 0.3089

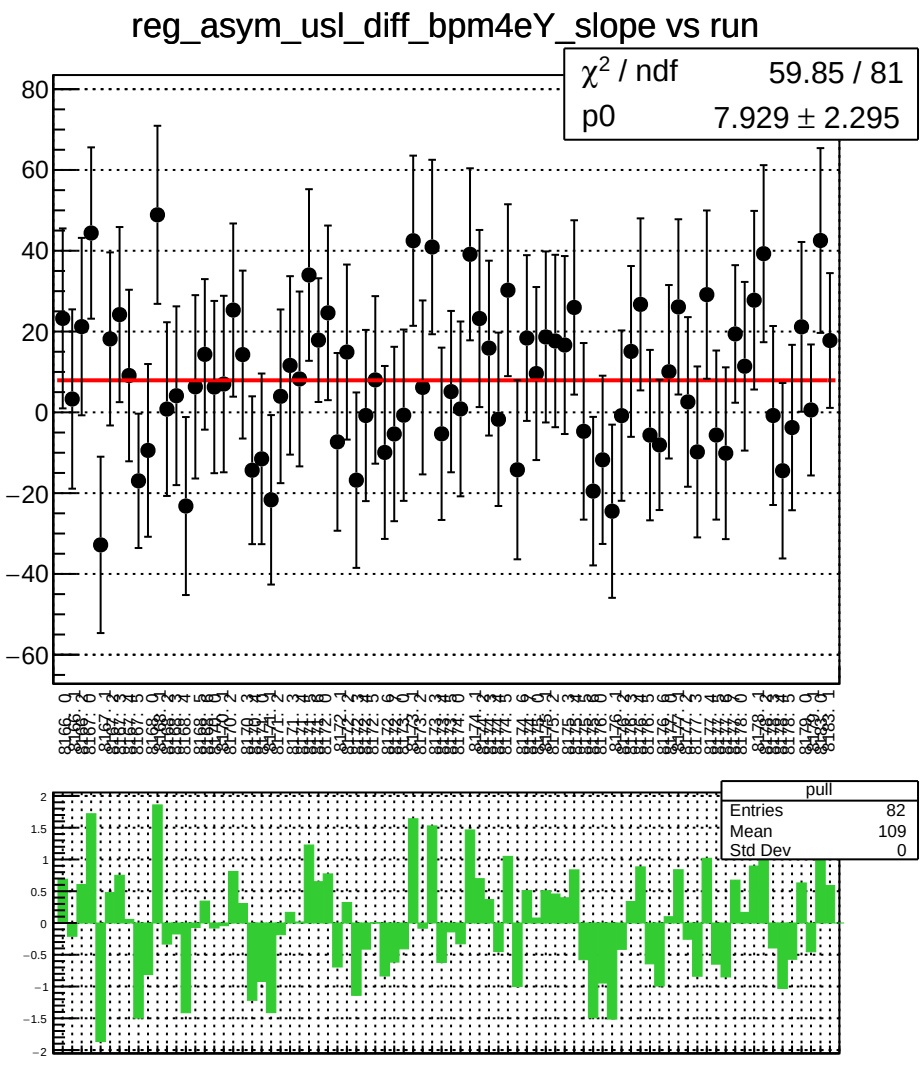

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 61.54 / 81
p0 −68.84 ± 1.157
pull
Entries 82
Mean −662.7
Std Dev 0

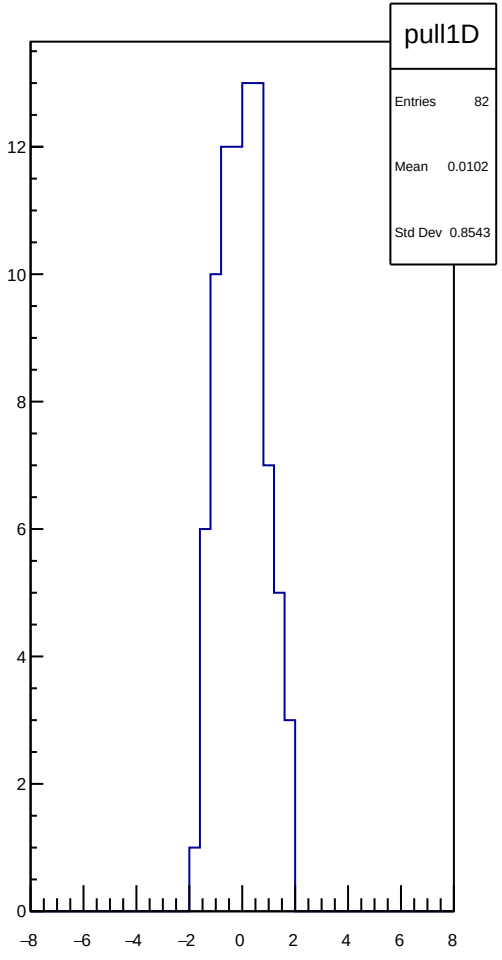

pull1D
Entries 82
Mean 0.002454
Std Dev 0.8663

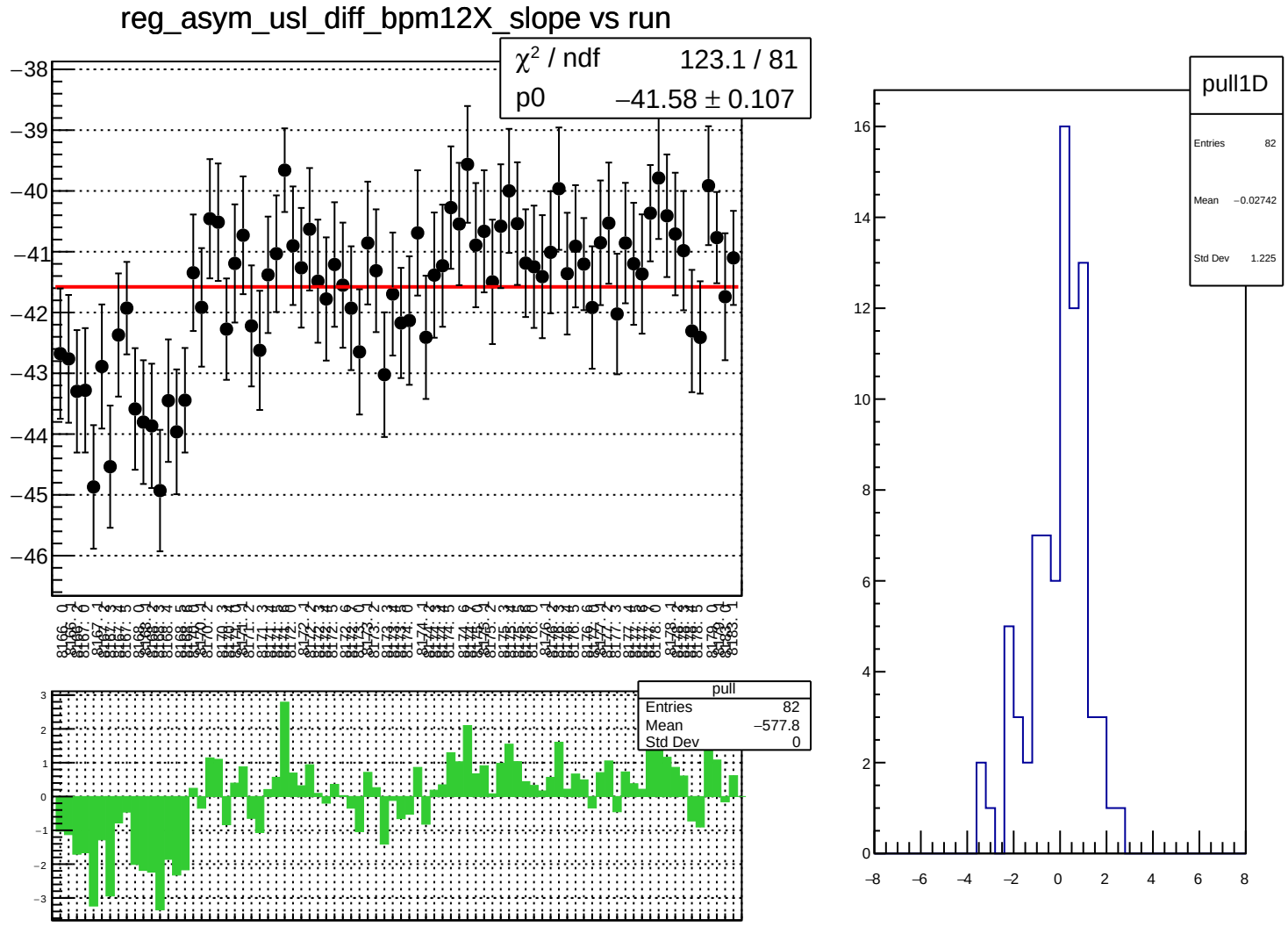

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 61.29 / 81
p0 12.87 ± 2.145
pull
Entries 82
Mean 98.85
Std Dev 33.95
pull1D
Entries 82
Mean −0.008545
Std Dev 0.8645

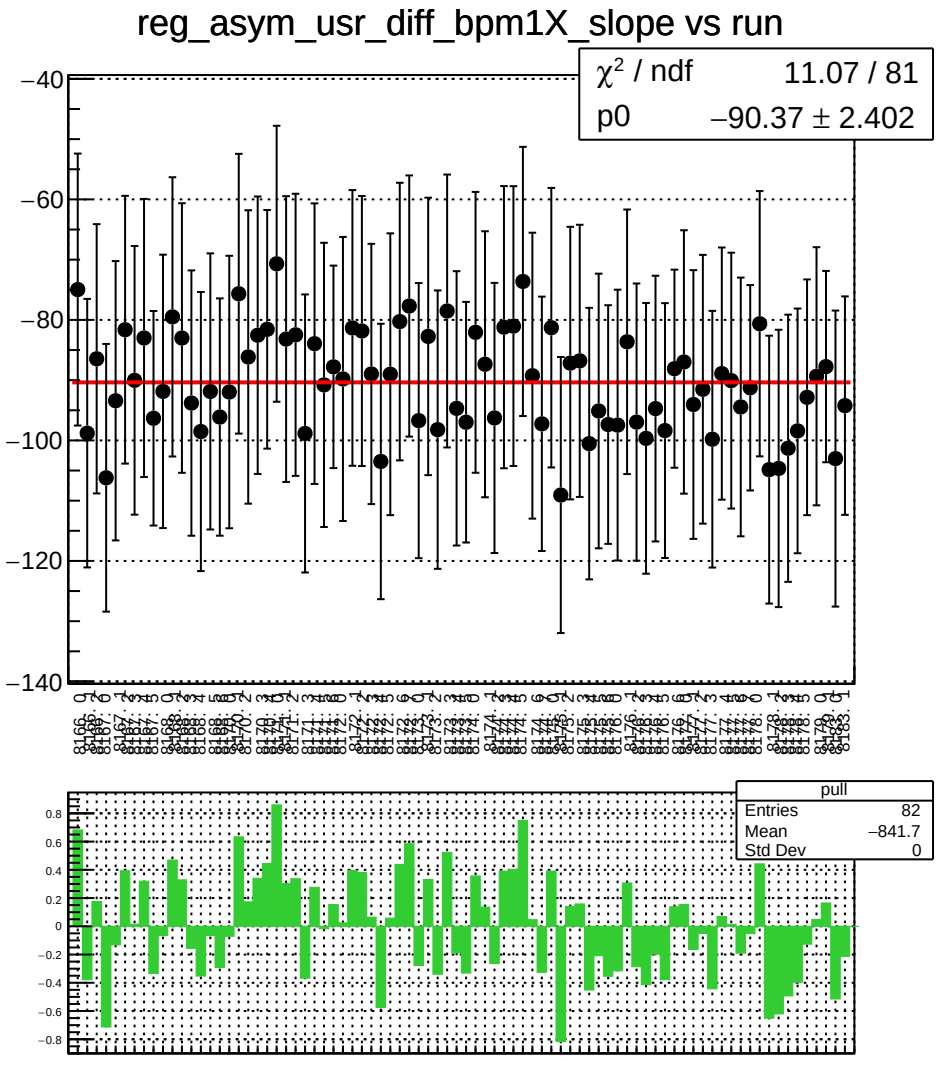

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 59.48 / 81
p0 1.894 ± 1.159
pull
Entries 82
Mean −333.6
Std Dev 0

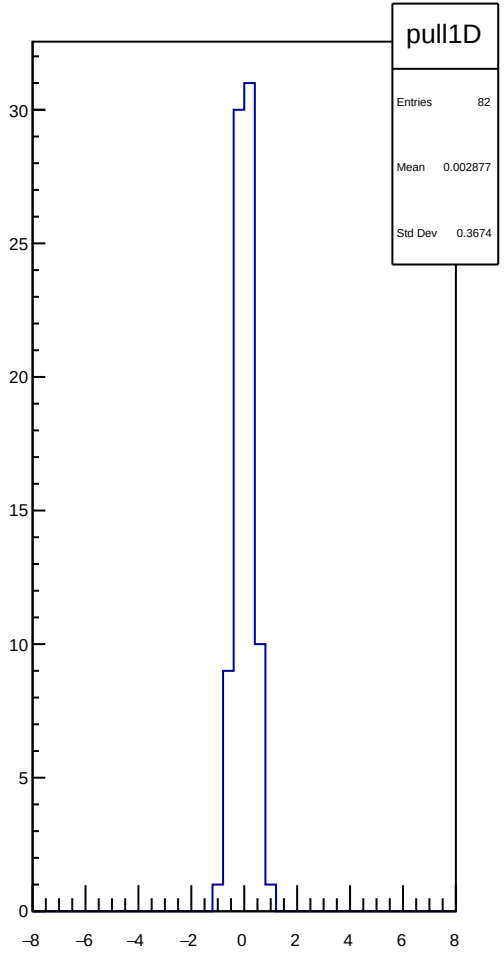

pull1D
Entries 82
Mean −0.003935
Std Dev 0.8516

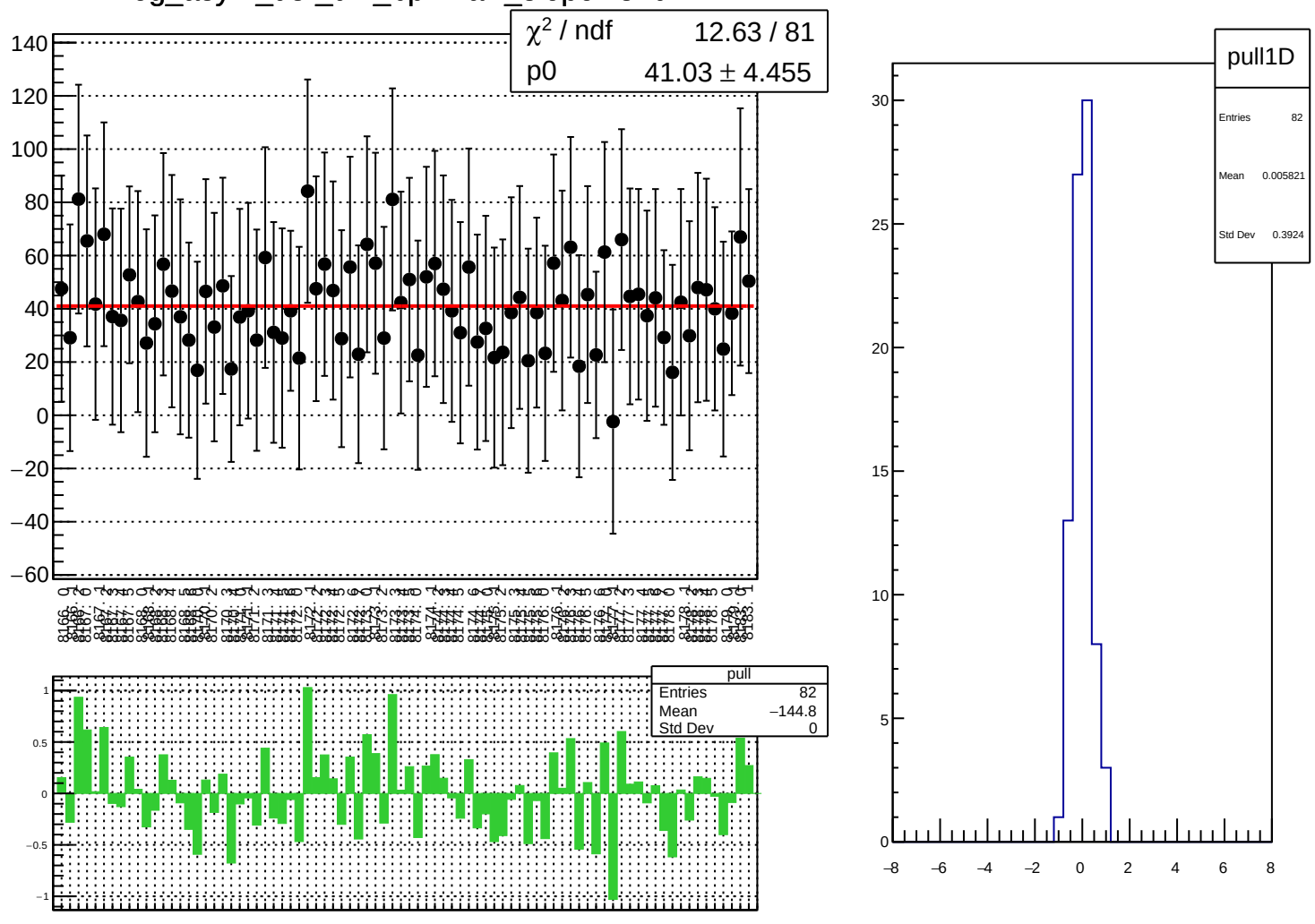

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 59.85 / 81
p0 7.929 ± 2.295
pull
Entries 82
Mean 109
Std Dev 0

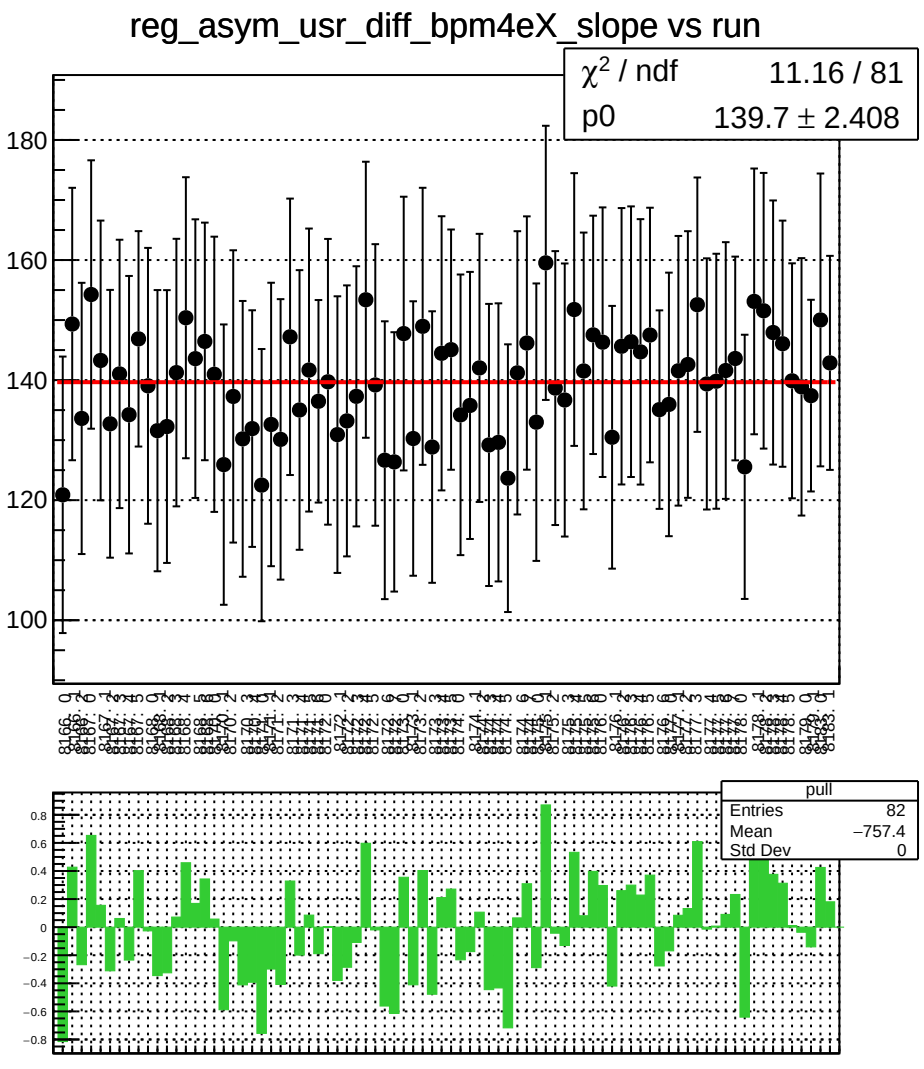

pull1D
Entries 82
Mean 0.0102
Std Dev 0.8543

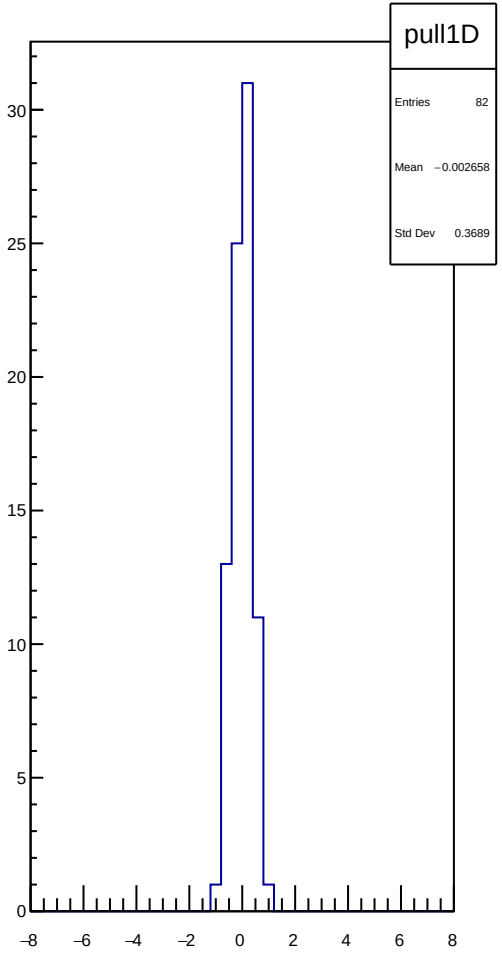

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 123.1 / 81
p0 −41.58 ± 0.107
pull
Entries 82
Mean −577.8
Std Dev 0
pull1D
Entries 82
Mean −0.02742
Std Dev 1.225

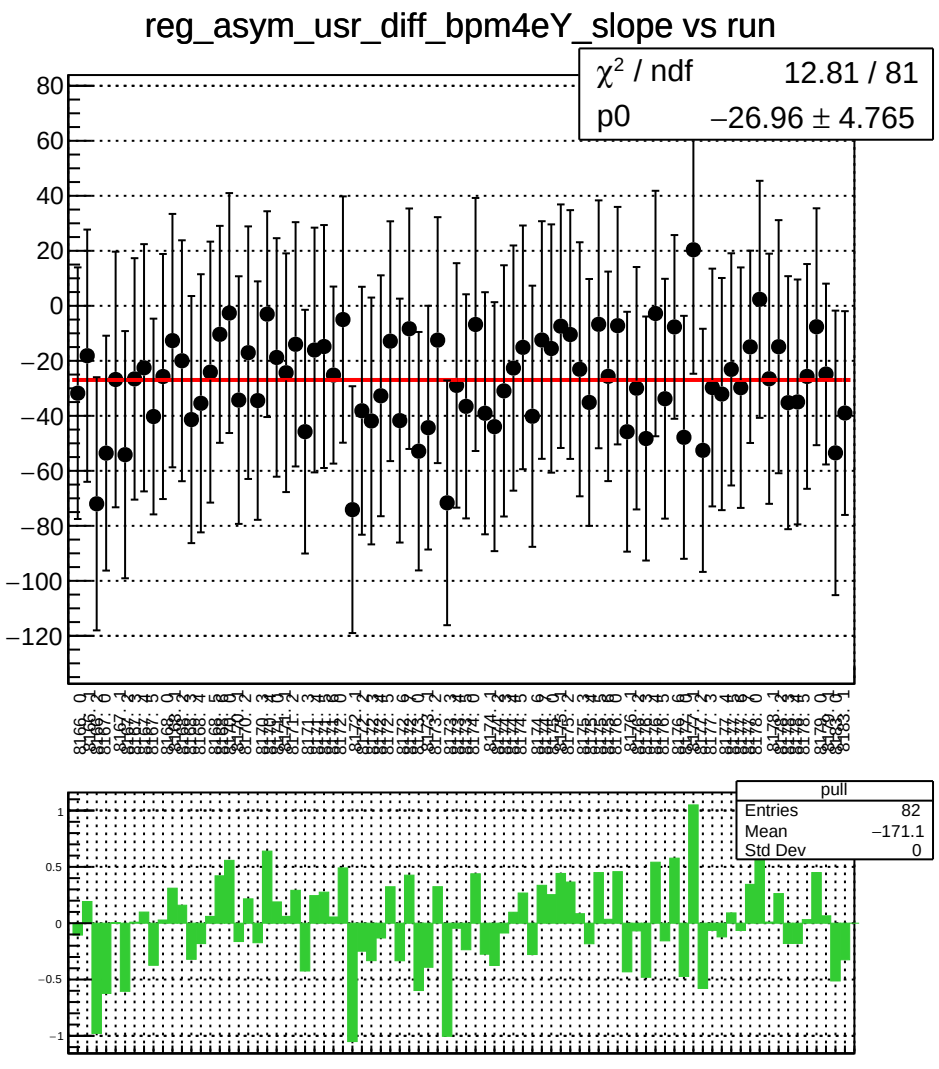

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 11.07 / 81
p0 −90.37 ± 2.402
−40
−60
−80
−100
−120
−140
pull
Entries 82
Mean −841.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

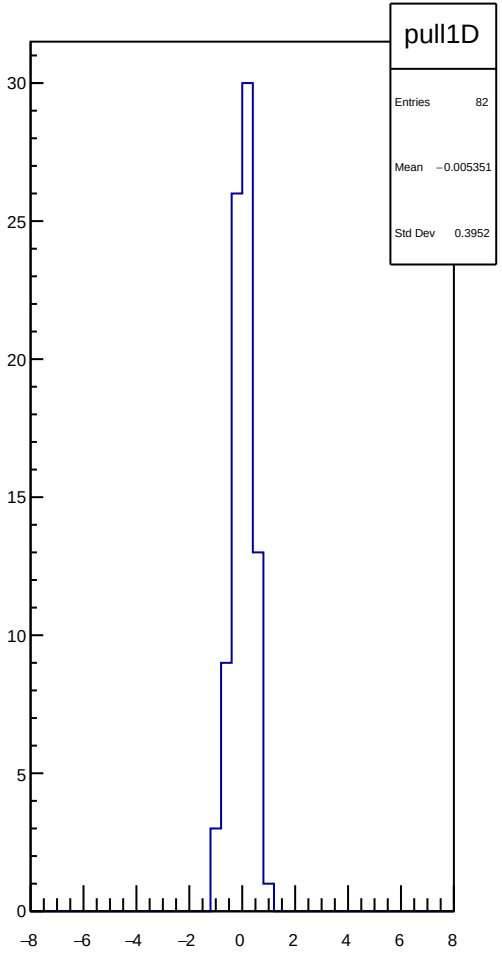

pull1D
Entries 82
Mean 0.002877
Std Dev 0.3674
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

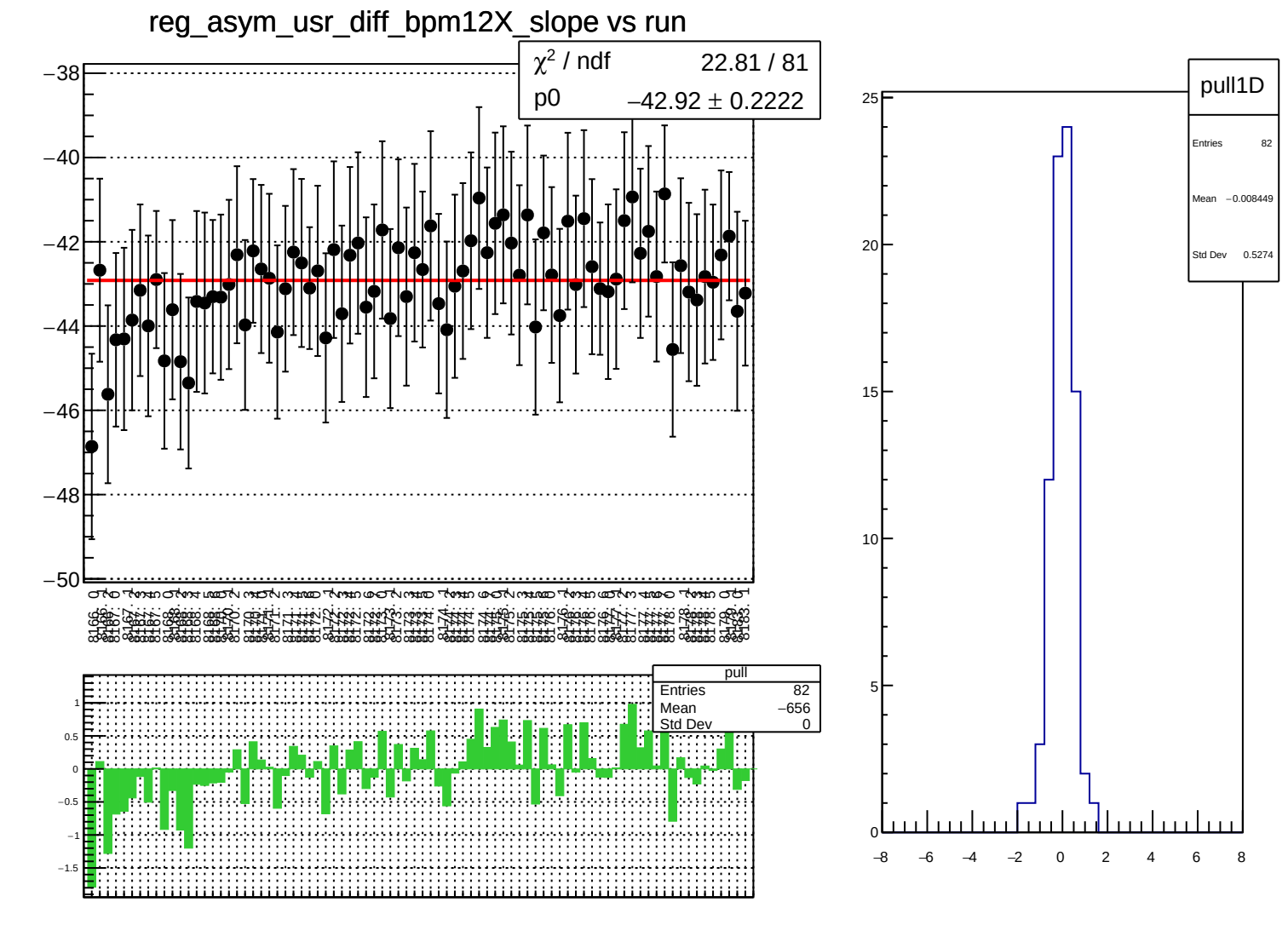

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 12.63 / 81
p0 41.03 ± 4.455
pull
Entries 82
Mean −144.8
Std Dev 0
pull1D
Entries 82
Mean 0.005821
Std Dev 0.3924

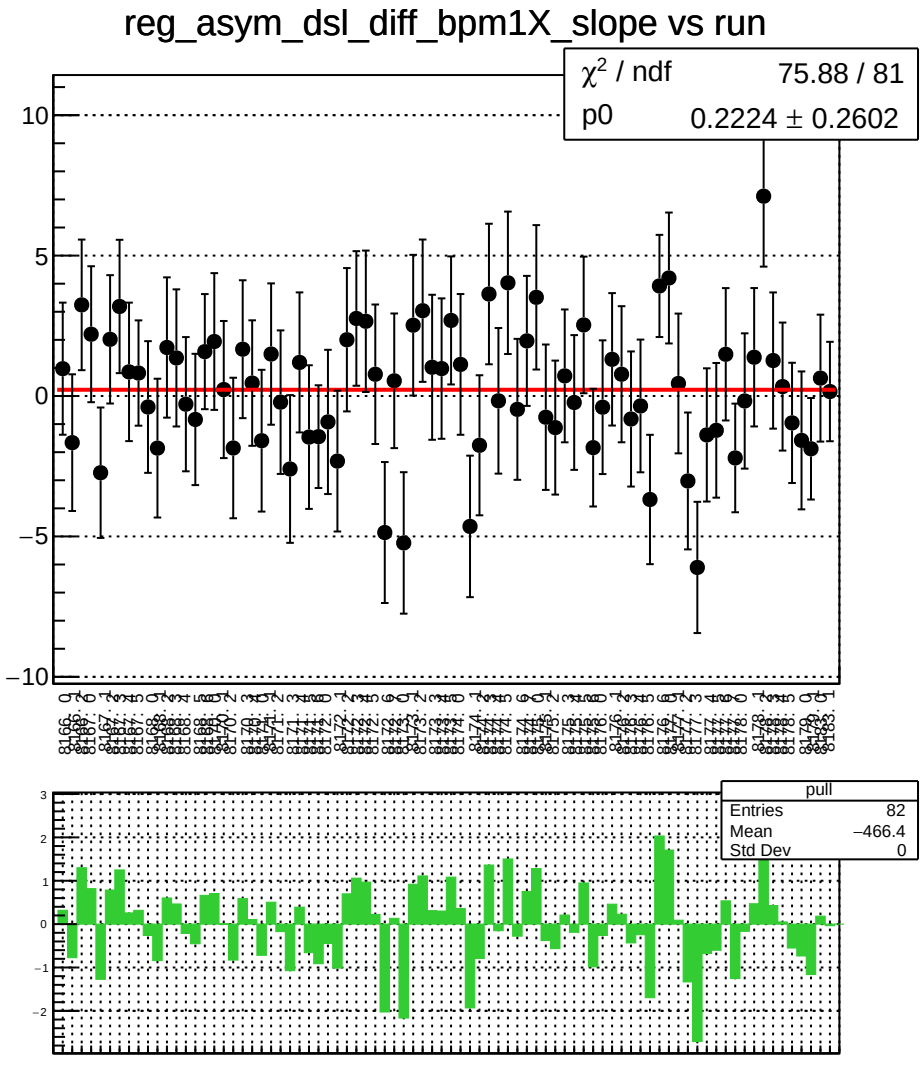

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 11.16 / 81
p0 139.7 ± 2.408
pull
Entries 82
Mean −757.4
Std Dev 0

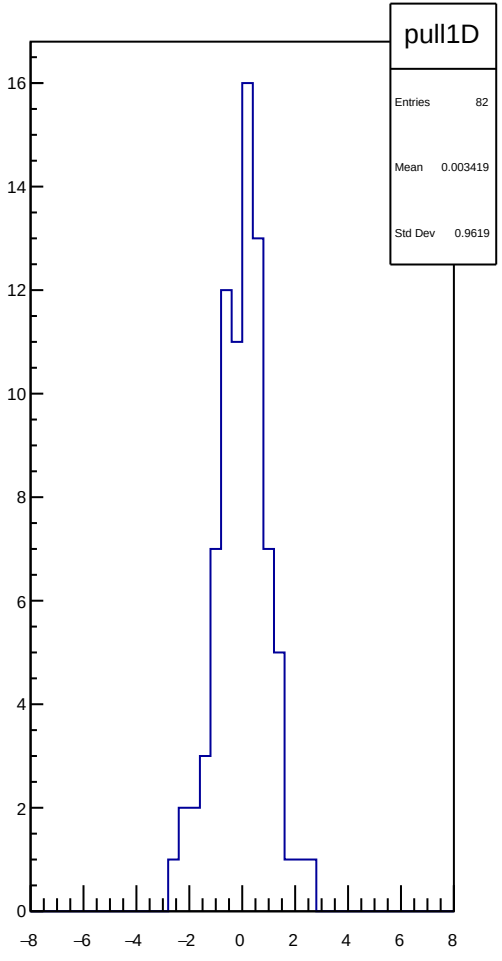

pull1D
Entries 82
Mean −0.002658
Std Dev 0.3689

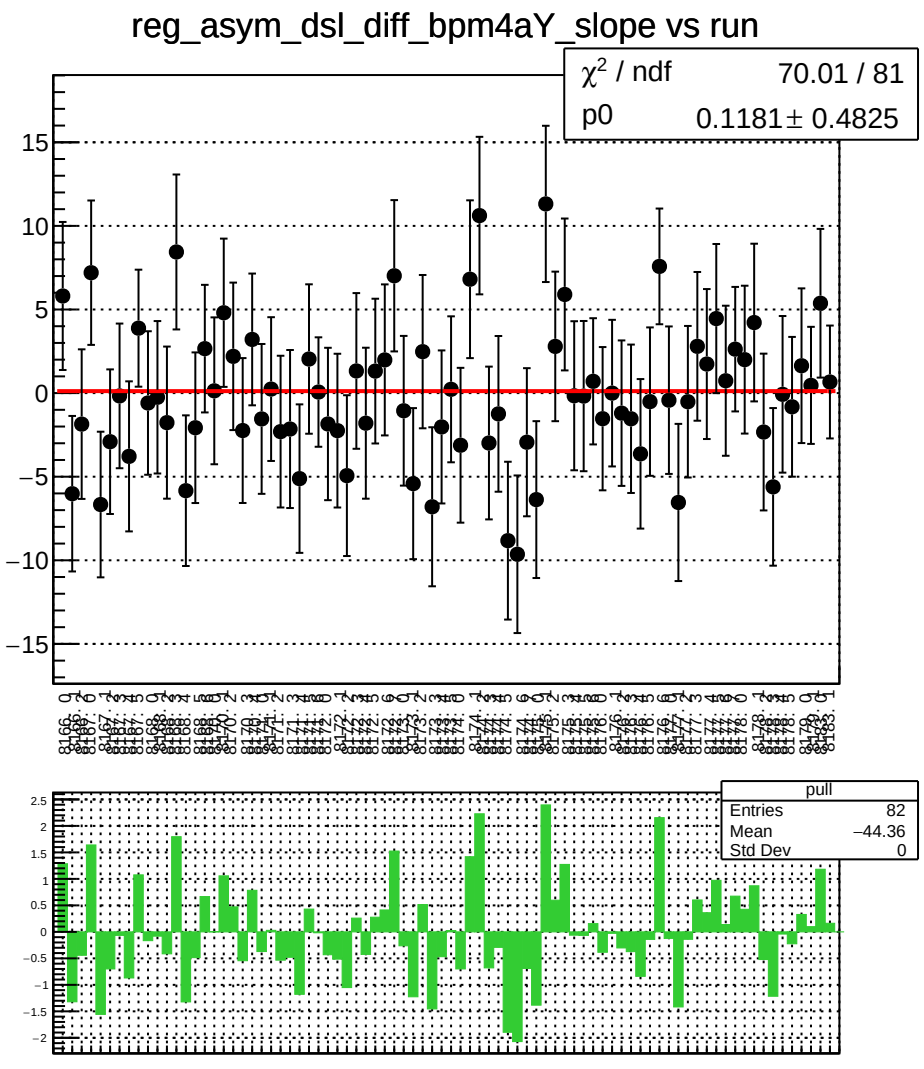

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 12.81 / 81
p0 −26.96 ± 4.765
pull
Entries 82
Mean −171.1
Std Dev 0

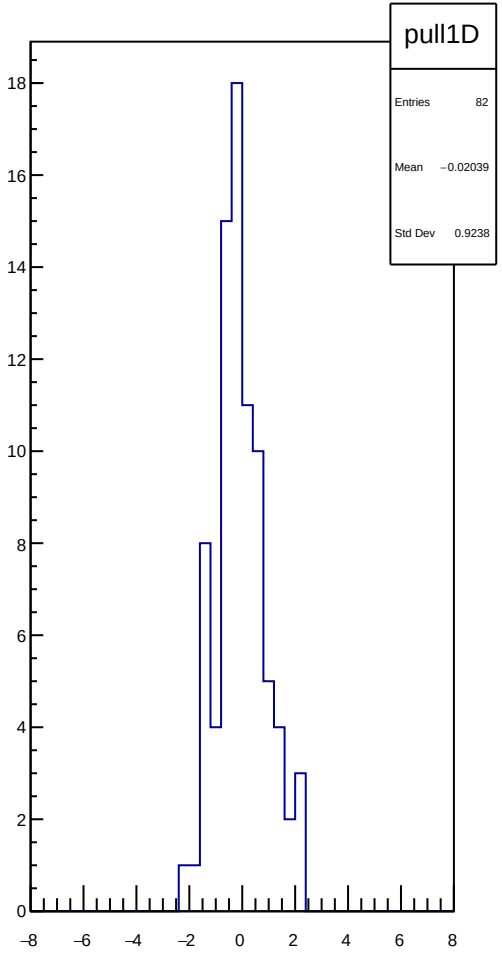

pull1D
Entries 82
Mean −0.005351
Std Dev 0.3952

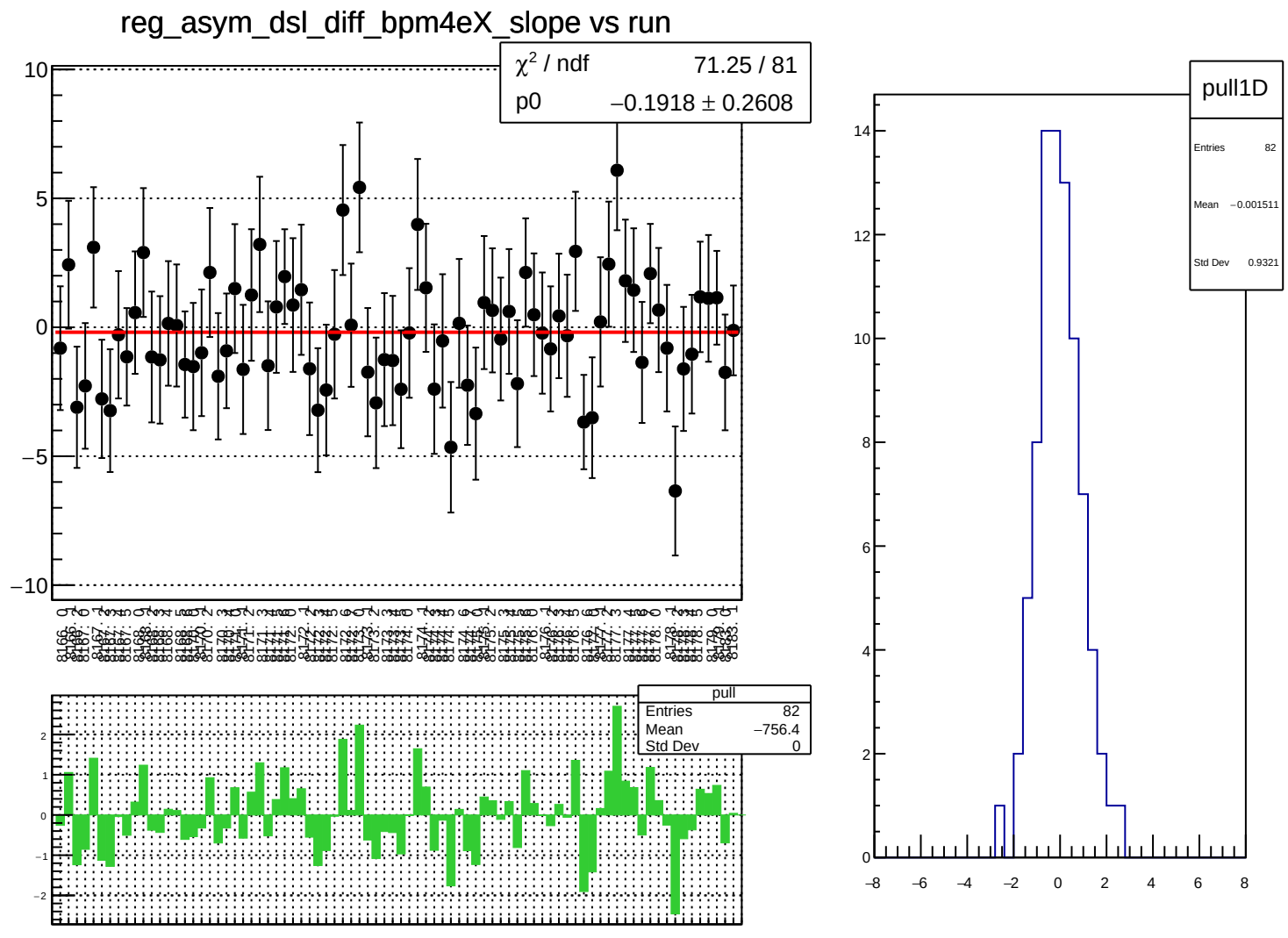

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 22.81 / 81
p0 −42.92 ± 0.2222
pull
Entries 82
Mean −656
Std Dev 0
pull1D
Entries 82
Mean −0.008449
Std Dev 0.5274

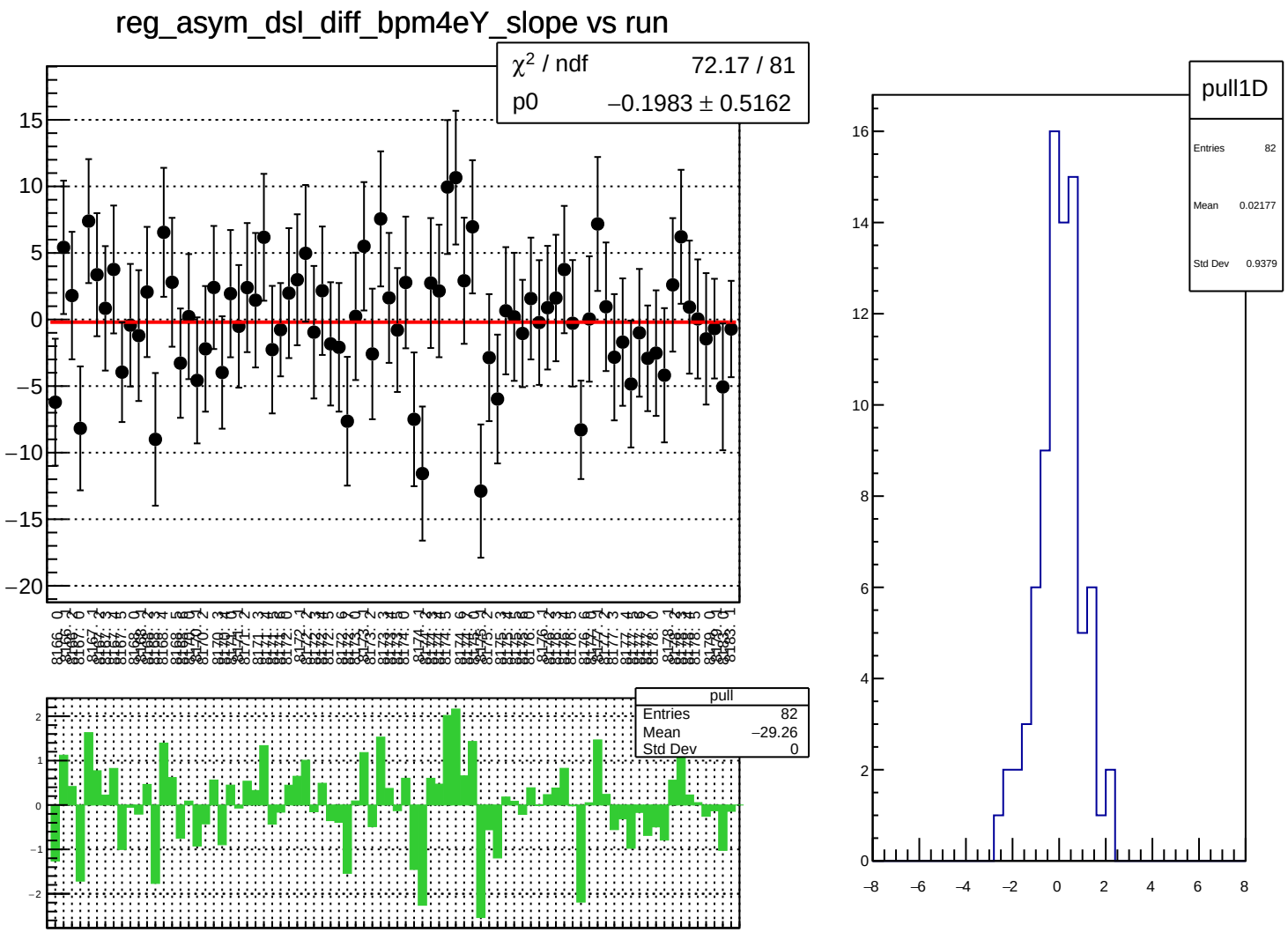

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 75.88 / 81
p0 0.2224 ± 0.2602
pull
Entries 82
Mean −466.4
Std Dev 0

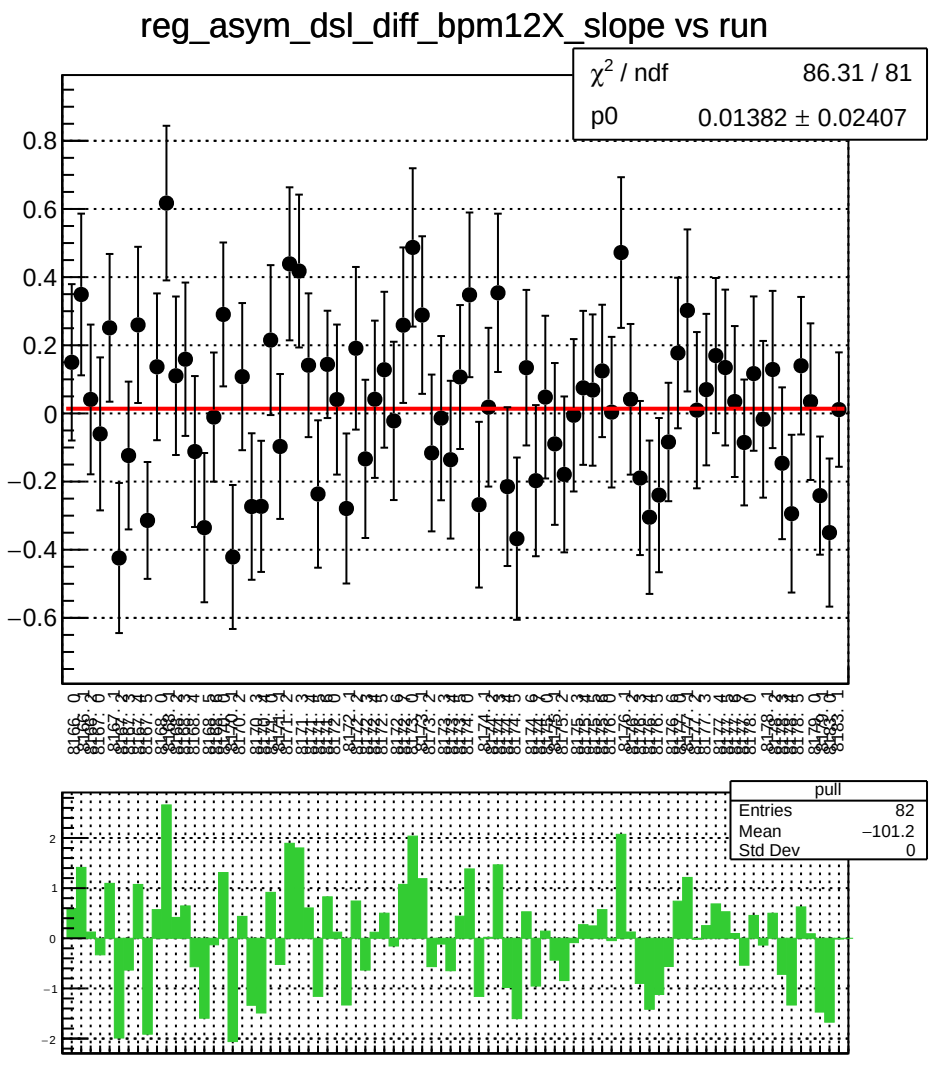

pull1D
Entries 82
Mean 0.003419
Std Dev 0.9619

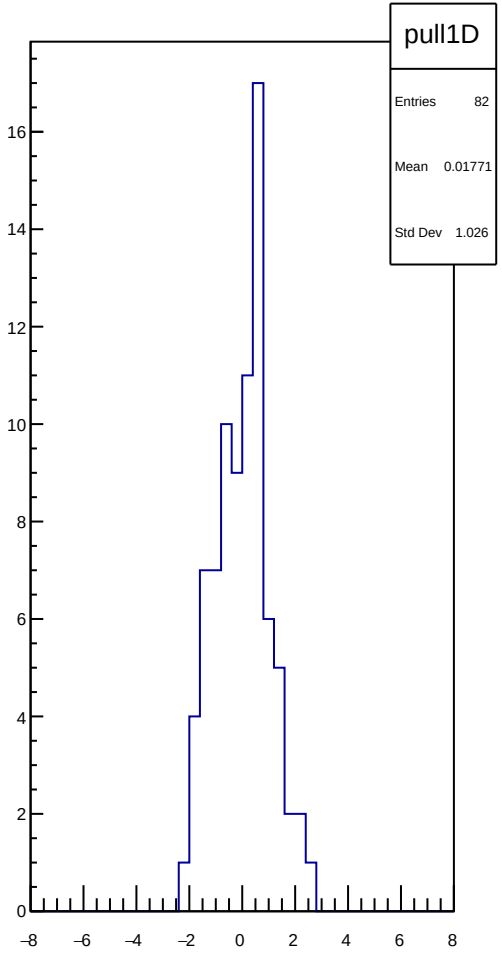

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 70.01 / 81
p0 0.1181± 0.4825
pull
Entries 82
Mean −44.36
Std Dev 0

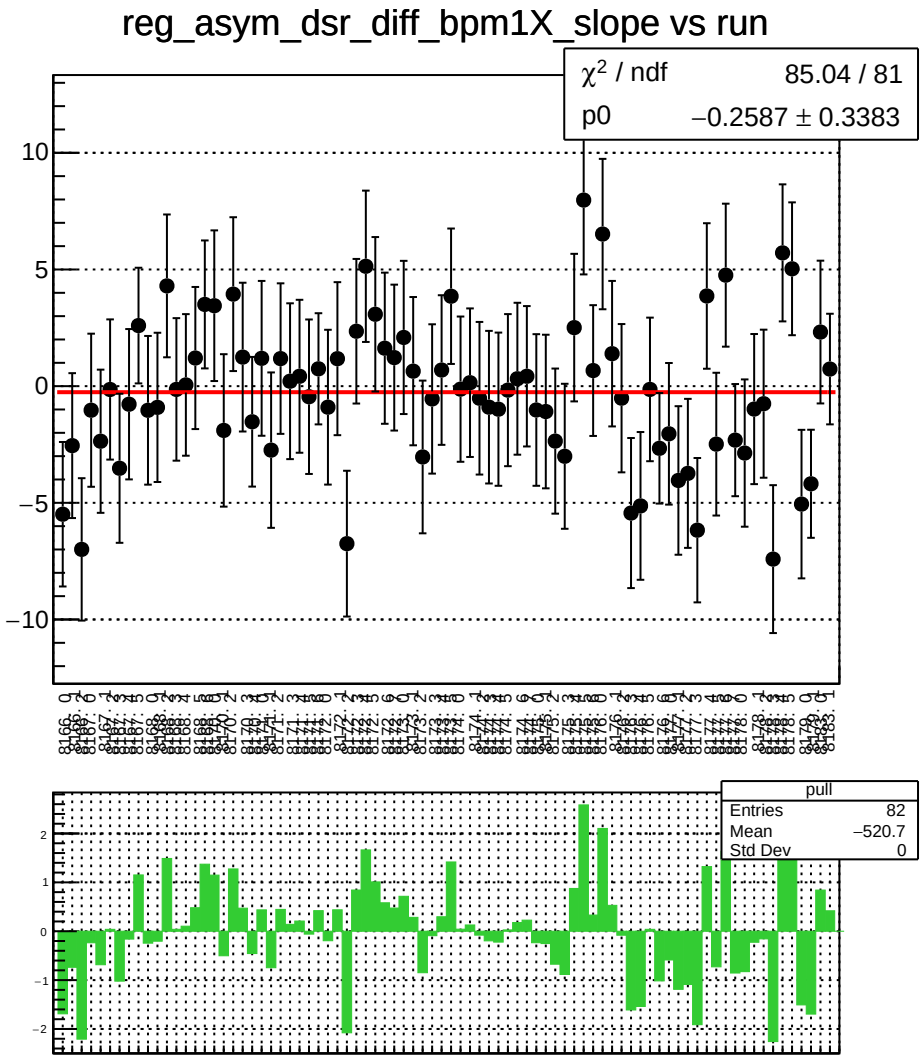

pull1D
Entries 82
Mean −0.02039
Std Dev 0.9238

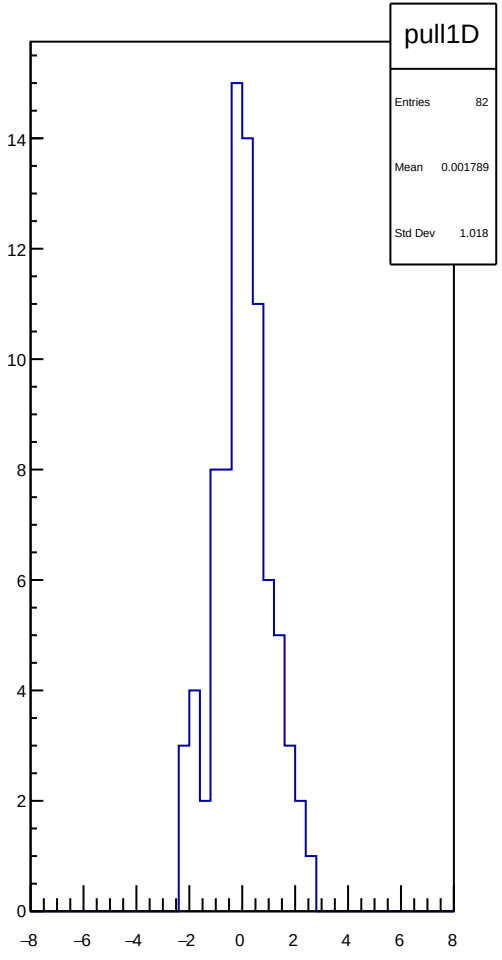

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 71.25 / 81
p0 −0.1918 ± 0.2608
pull
Entries 82
Mean −756.4
Std Dev 0
pull1D
Entries 82
Mean −0.001511
Std Dev 0.9321

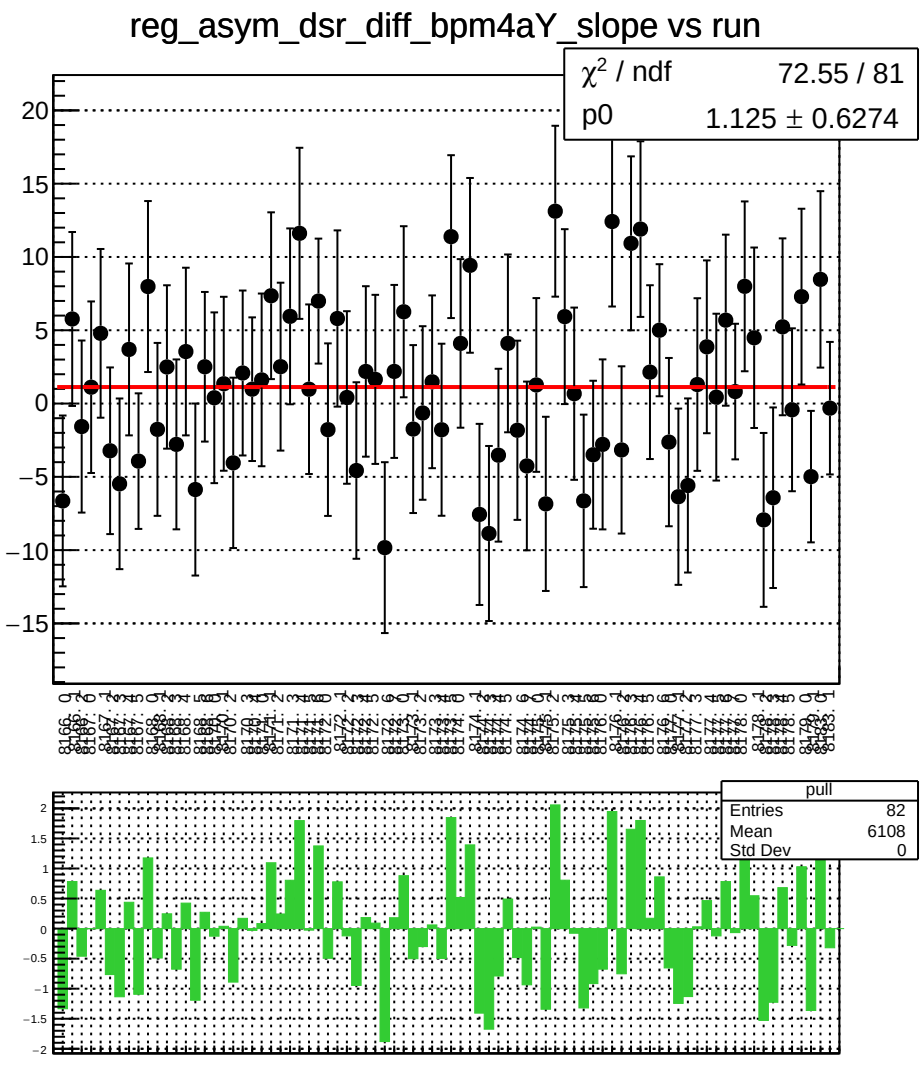

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 72.17 / 81
p0 −0.1983 ± 0.5162
pull
Entries 82
Mean −29.26
Std Dev 0
pull1D
Entries 82
Mean 0.02177
Std Dev 0.9379

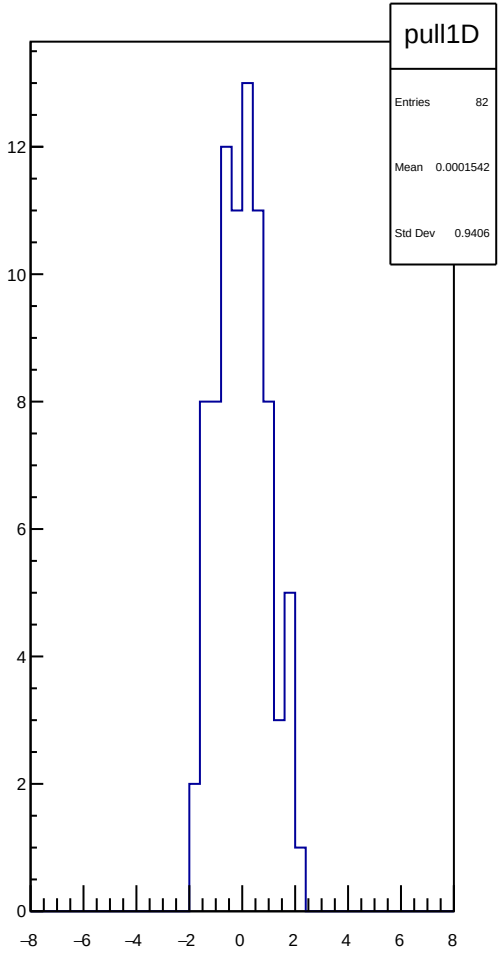

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 86.31 / 81
p0 0.01382 ± 0.02407
pull
Entries 82
Mean −101.2
Std Dev 0

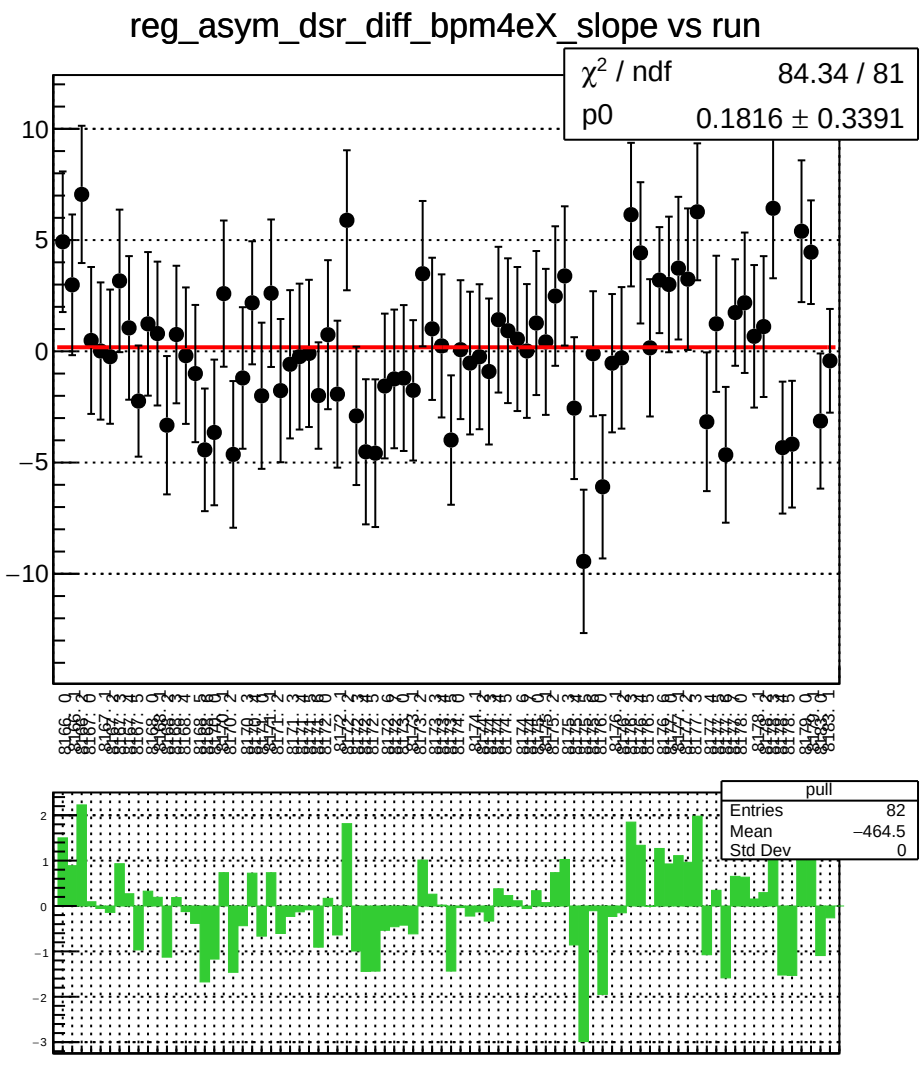

pull1D
Entries 82
Mean 0.01771
Std Dev 1.026

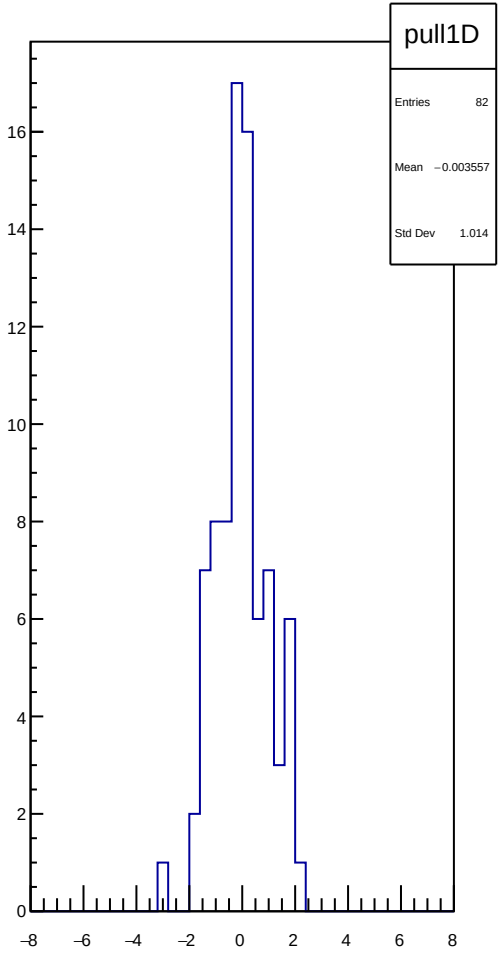

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 85.04 / 81
p0 −0.2587 ± 0.3383
pull
Entries 82
Mean −520.7
Std Dev 0

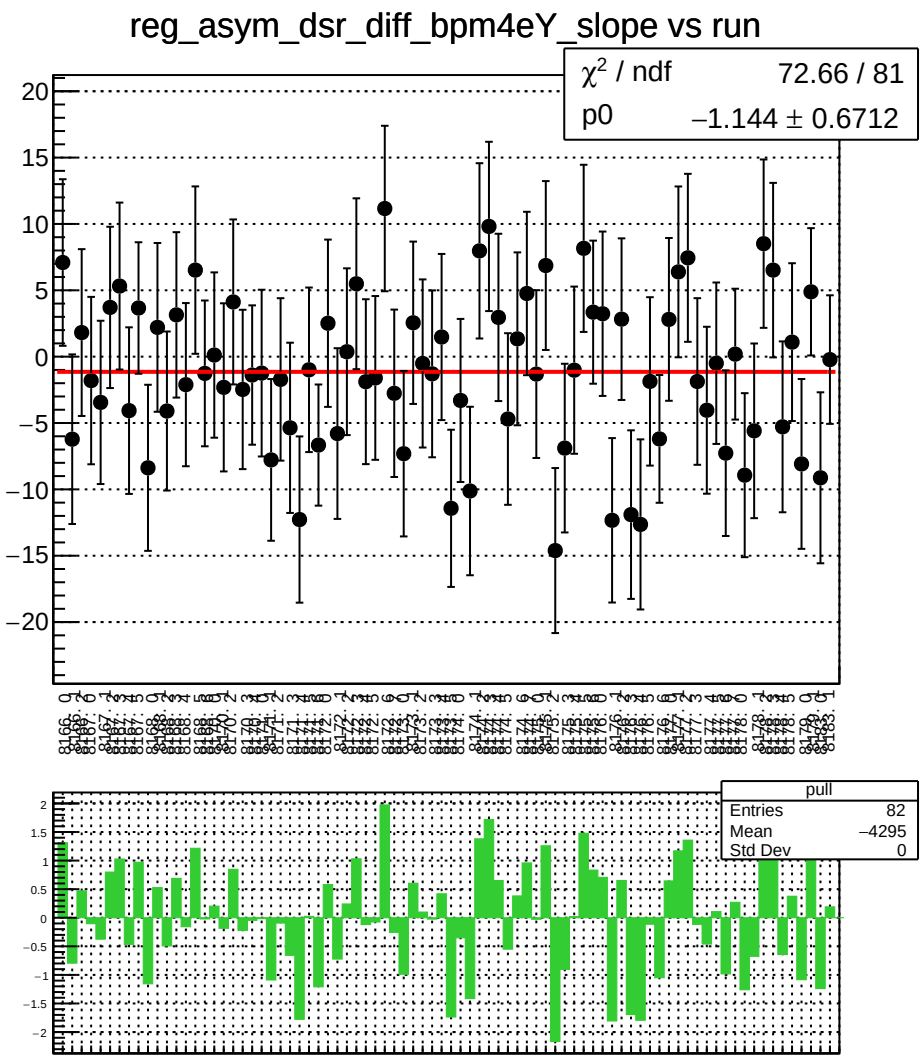

pull1D
Entries 82
Mean 0.001789
Std Dev 1.018

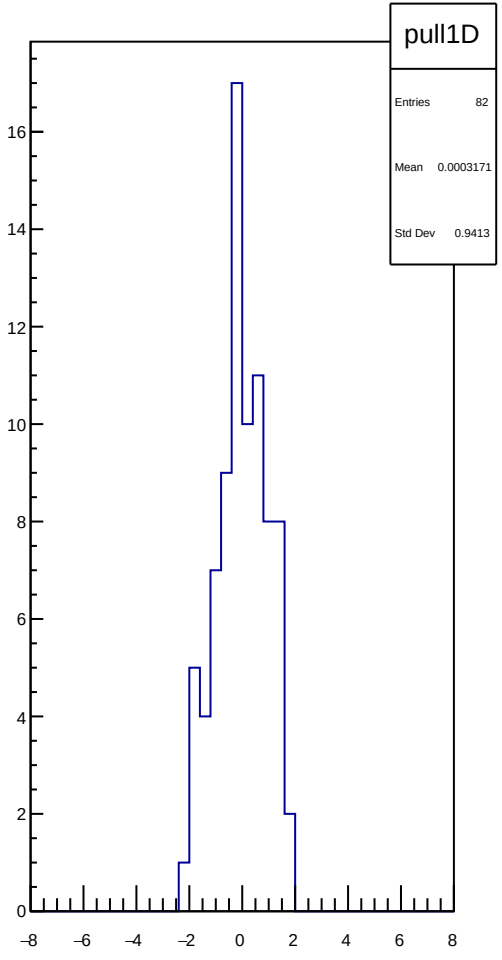

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 72.55 / 81
p0 1.125 ± 0.6274
pull
Entries 82
Mean 6108
Std Dev 0

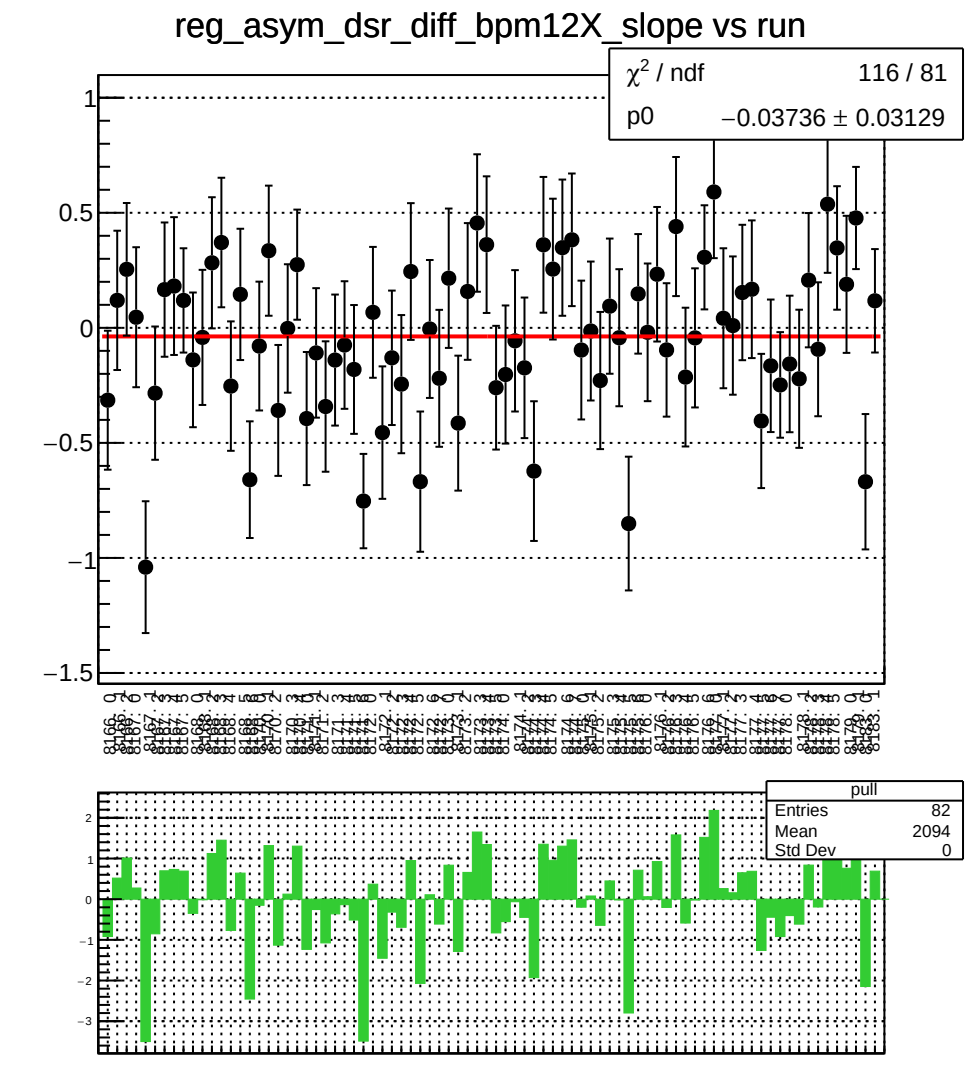

pull1D
Entries 82
Mean 0.0001542
Std Dev 0.9406

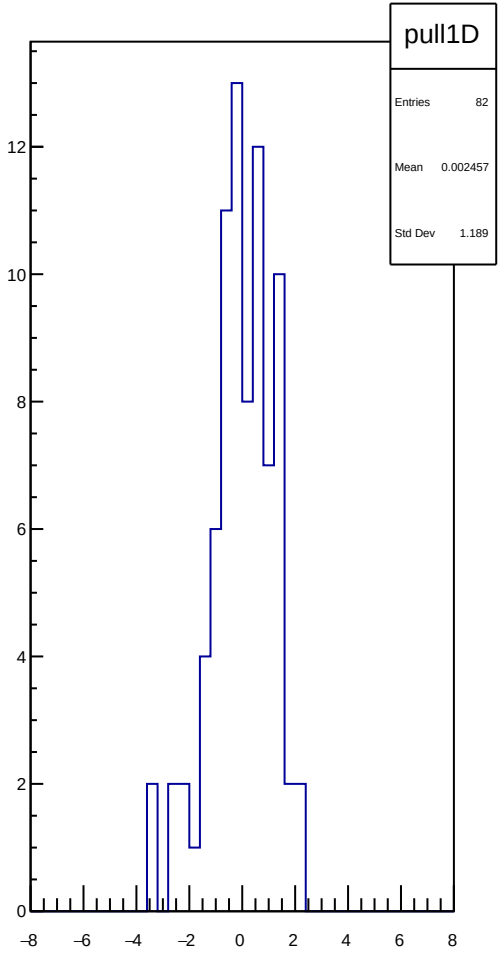

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 84.34 / 81
p0 0.1816 ± 0.3391
pull
Entries 82
Mean −464.5
Std Dev 0

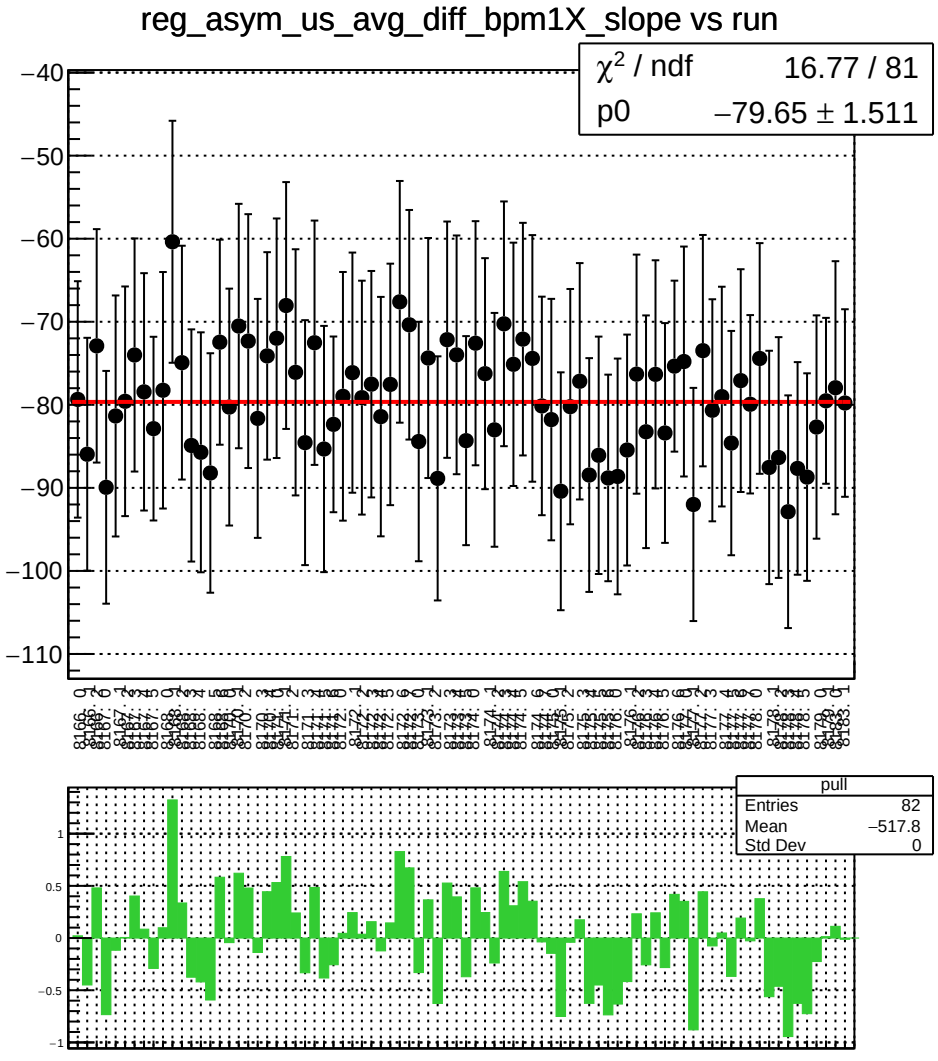

pull1D
Entries 82
Mean −0.003557
Std Dev 1.014

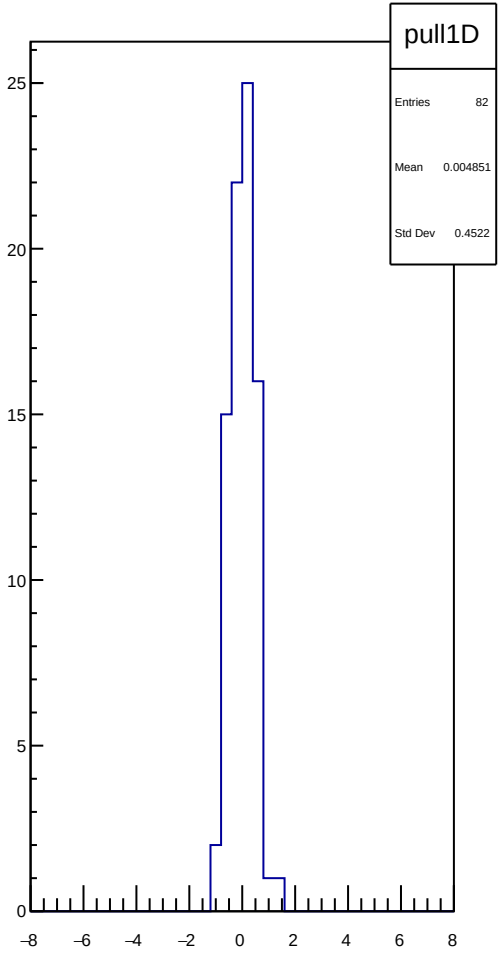

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 72.66 / 81
p0 −1.144 ± 0.6712
pull
Entries 82
Mean −4295
Std Dev 0

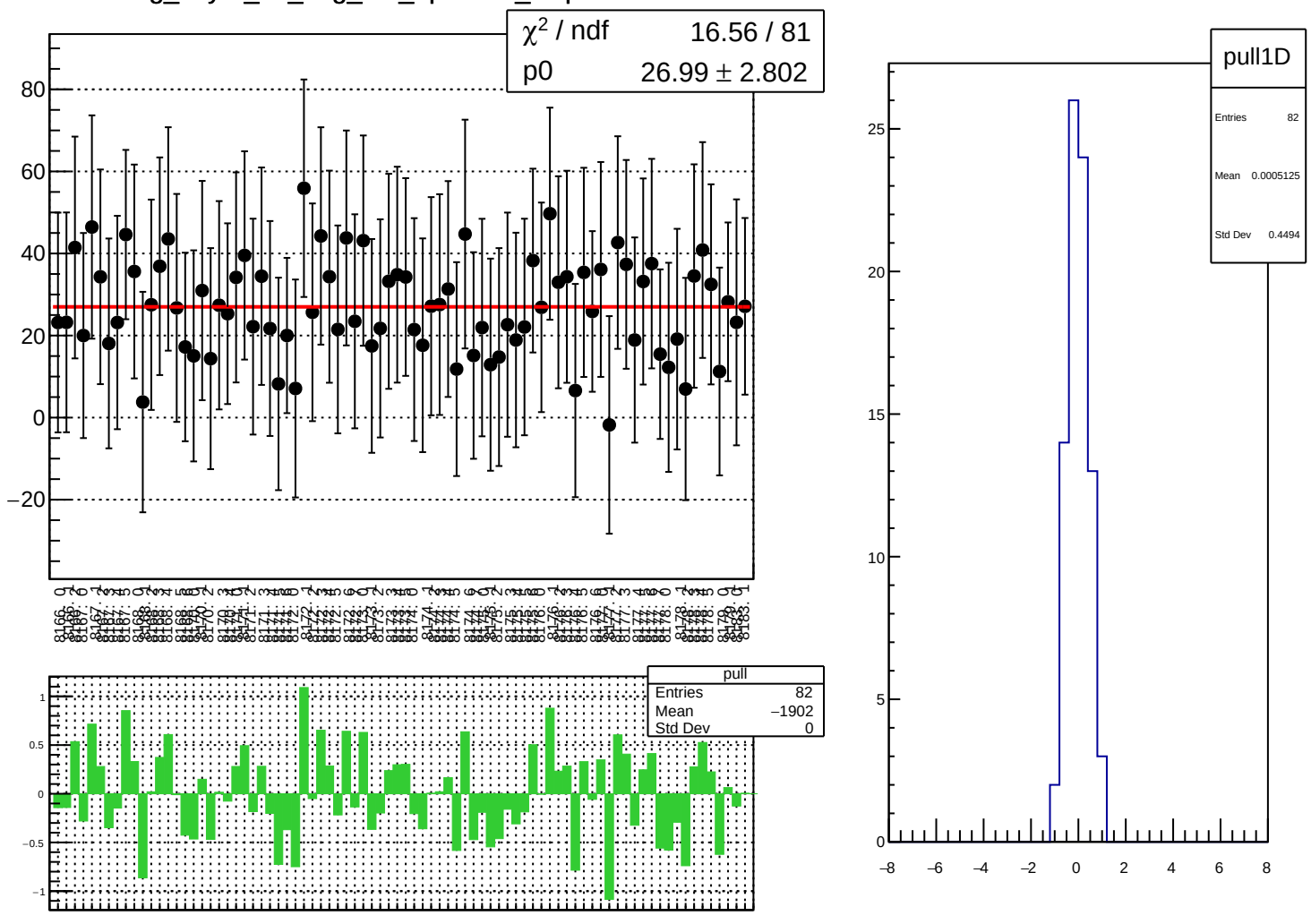

pull1D
Entries 82
Mean 0.0003171
Std Dev 0.9413

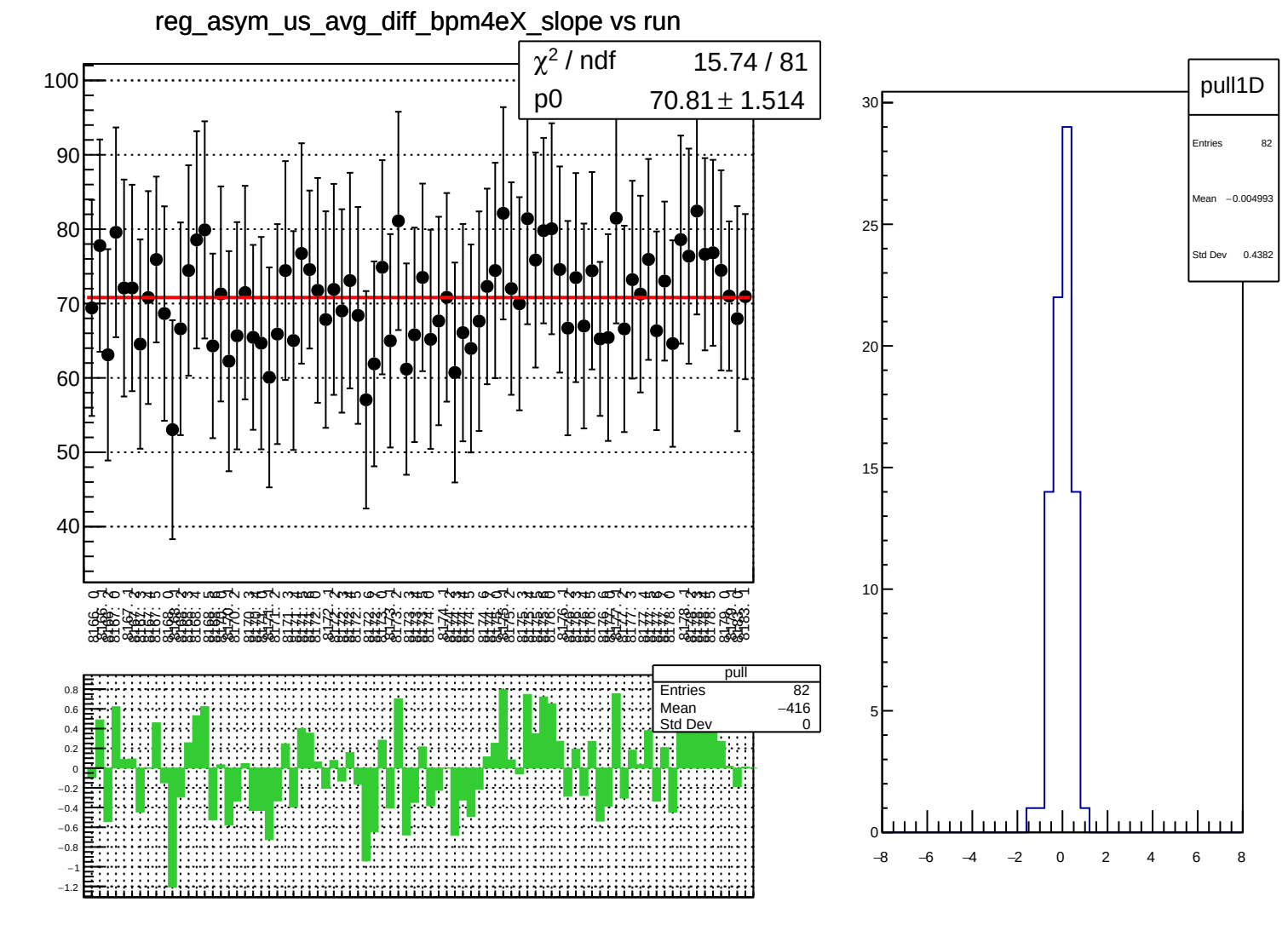

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 116 / 81
p0 −0.03736 ± 0.03129
pull
Entries 82
Mean 2094
Std Dev 0

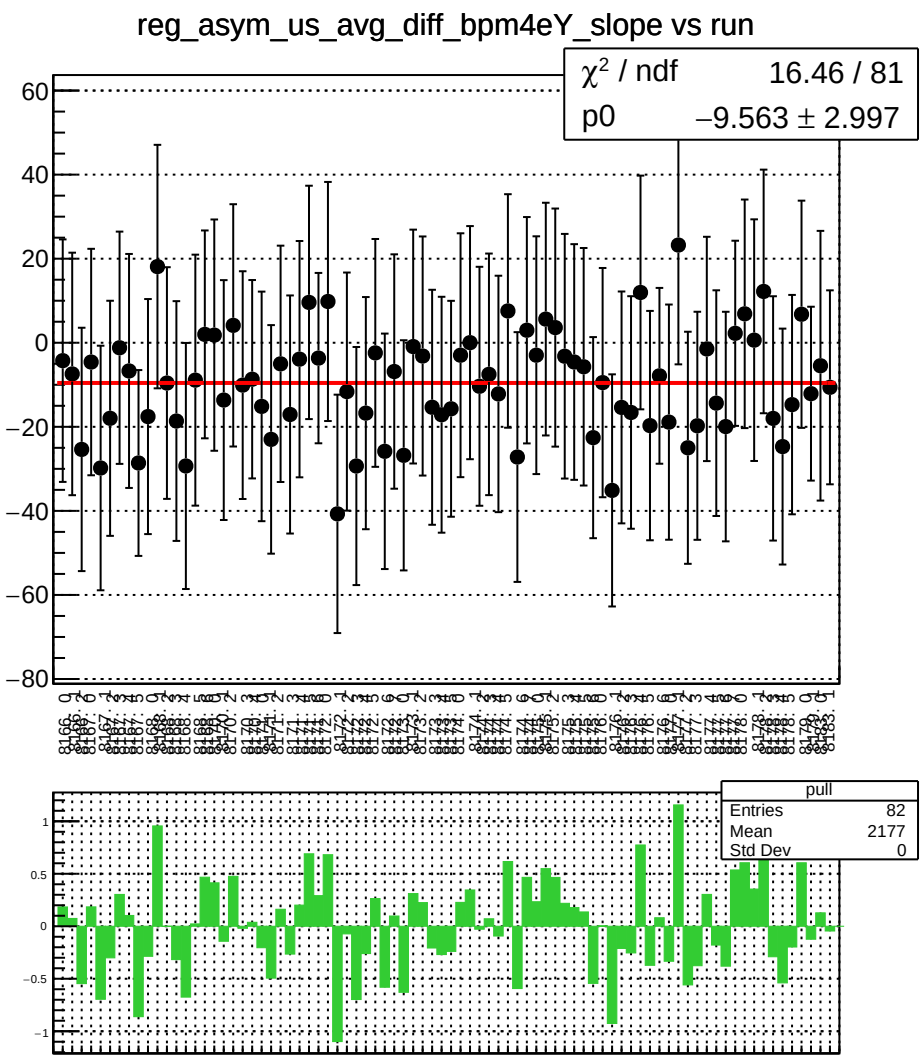

pull1D
Entries 82
Mean 0.002457
Std Dev 1.189

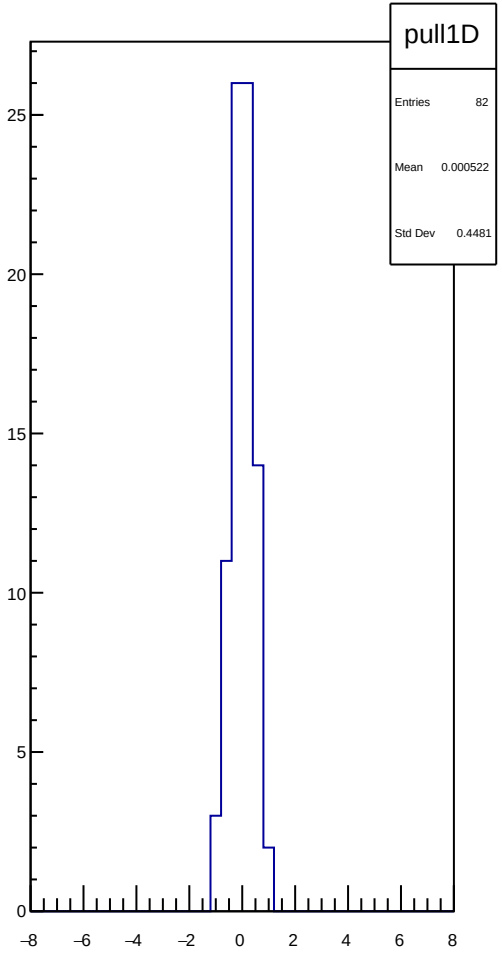

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 16.77 / 81
p0 −79.65 ± 1.511
pull
Entries 82
Mean −517.8
Std Dev 0

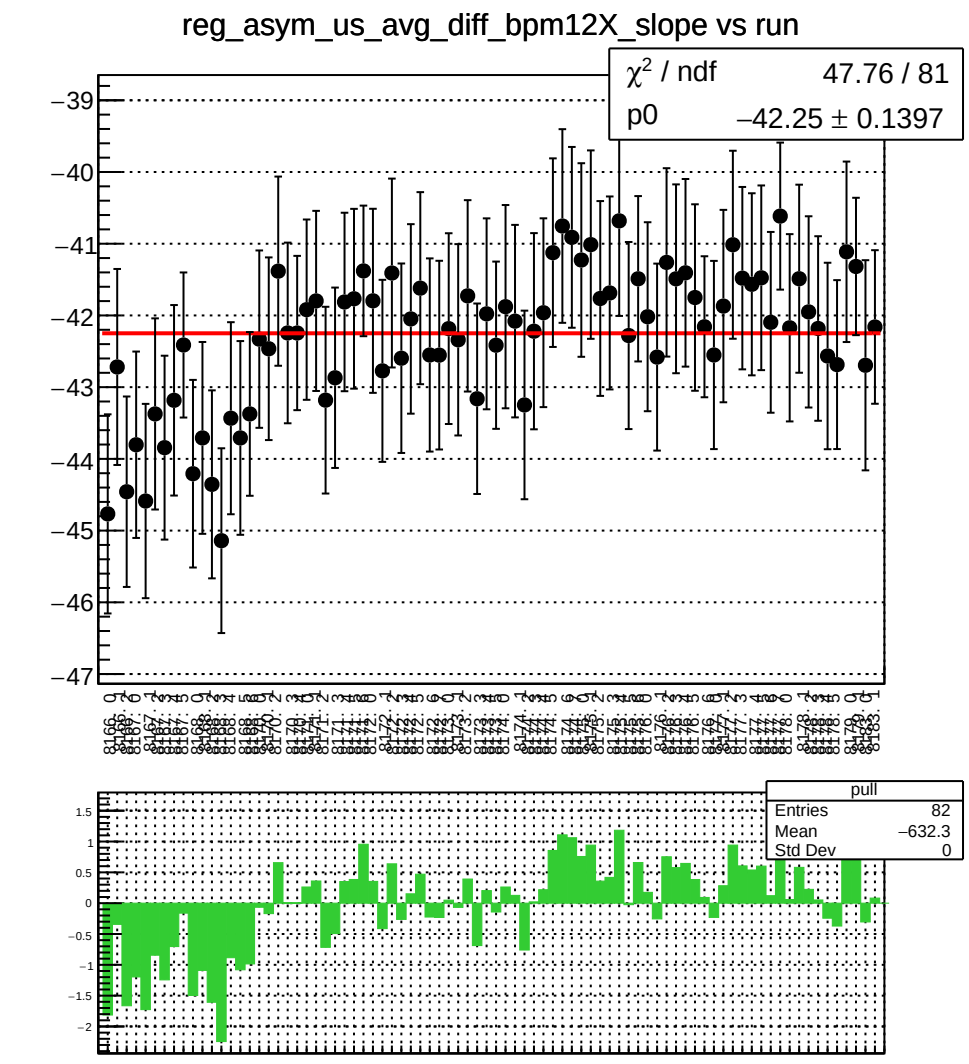

pull1D
Entries 82
Mean 0.004851
Std Dev 0.4522

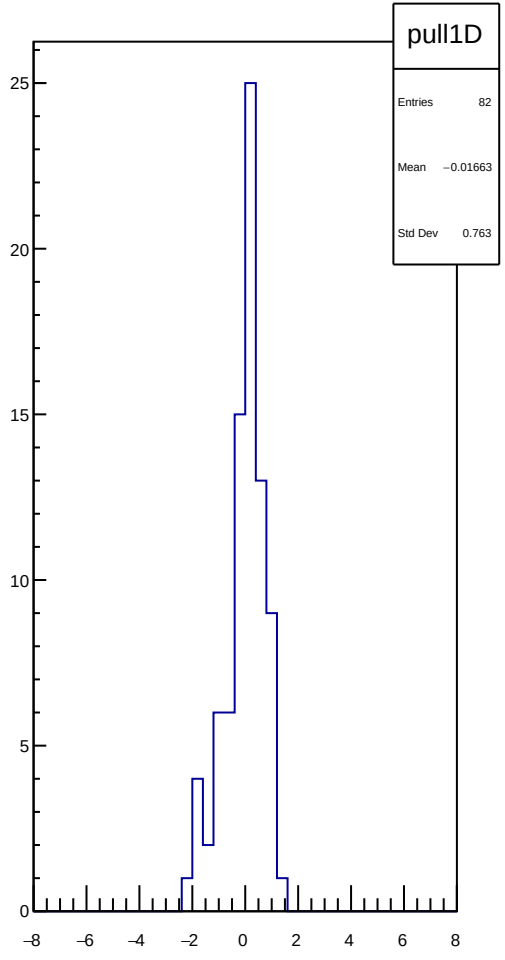

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.56 / 81
p0 26.99 ± 2.802
pull
Entries 82
Mean −1902
Std Dev 0
pull1D
Entries 82
Mean 0.0005125
Std Dev 0.4494

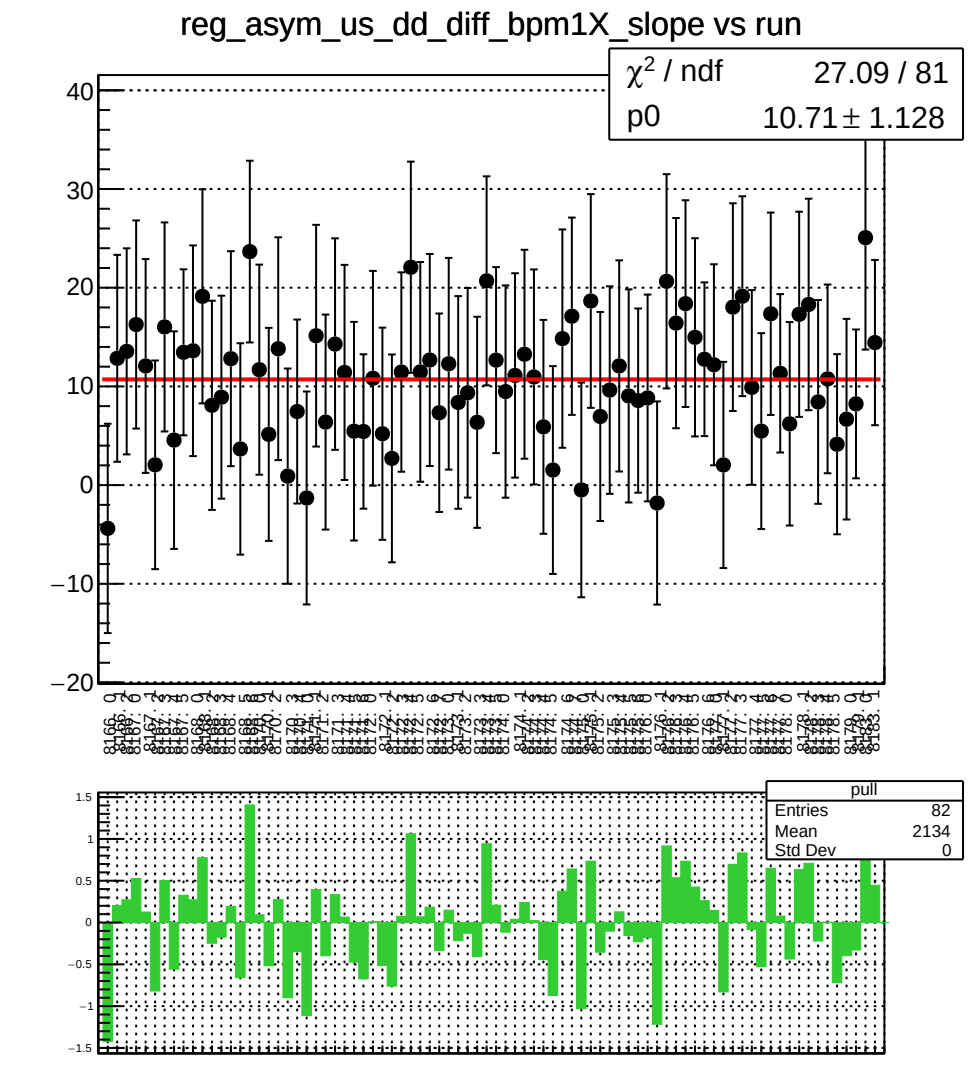

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.74 / 81
p0 70.81 ± 1.514
pull
Entries 82
Mean −416
Std Dev 0
pull1D
Entries 82
Mean −0.004993
Std Dev 0.4382

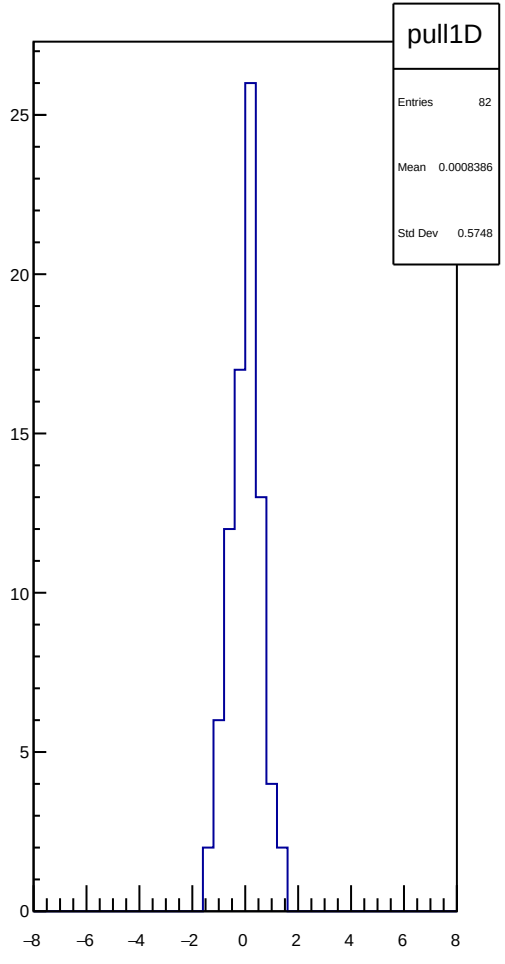

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.46 / 81
p0 −9.563 ± 2.997
pull
Entries 82
Mean 2177
Std Dev 0

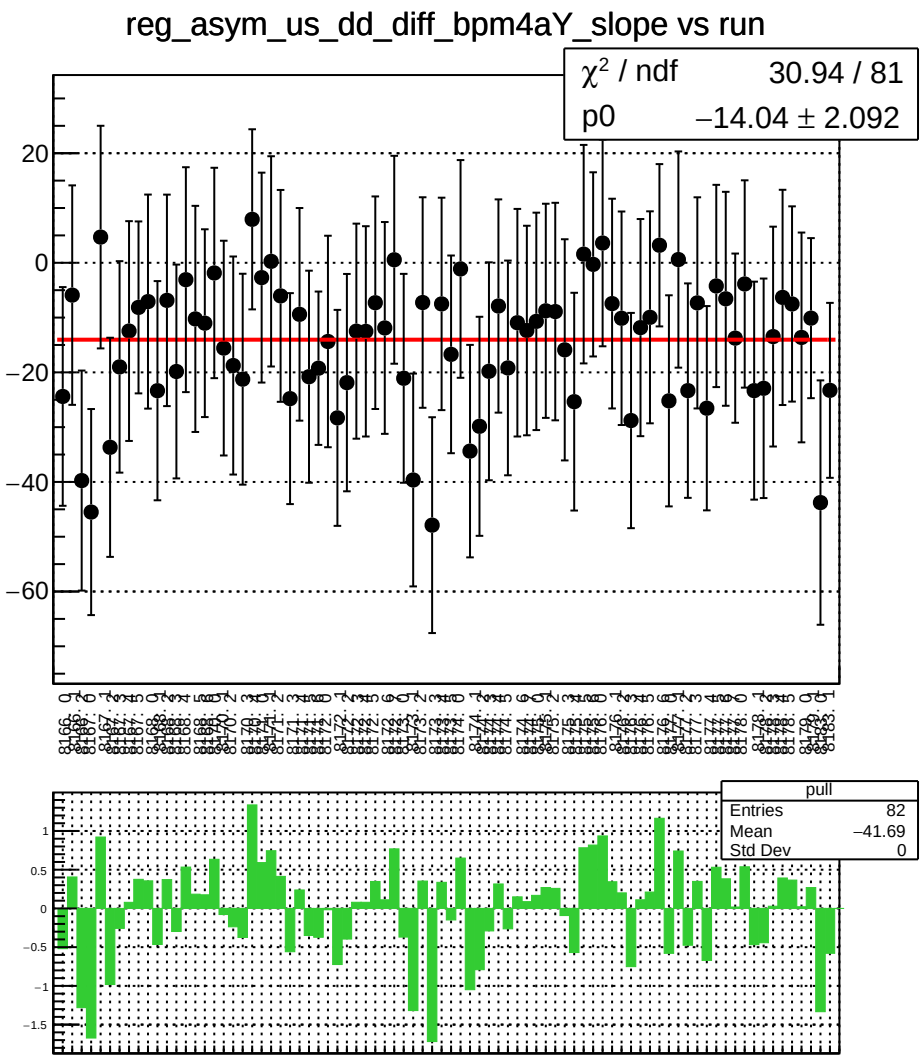

pull1D
Entries 82
Mean 0.000522
Std Dev 0.4481

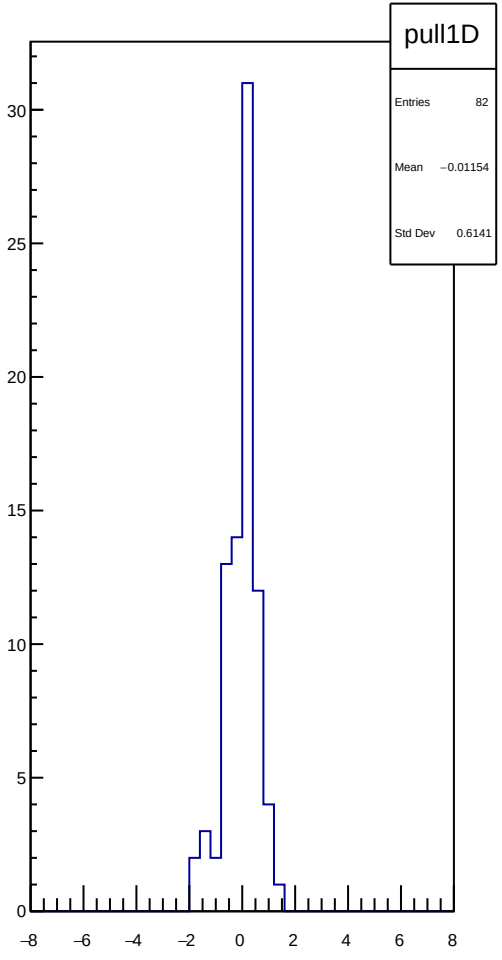

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 47.76 / 81
p0 −42.25 ± 0.1397
pull
Entries 82
Mean −632.3
Std Dev 0

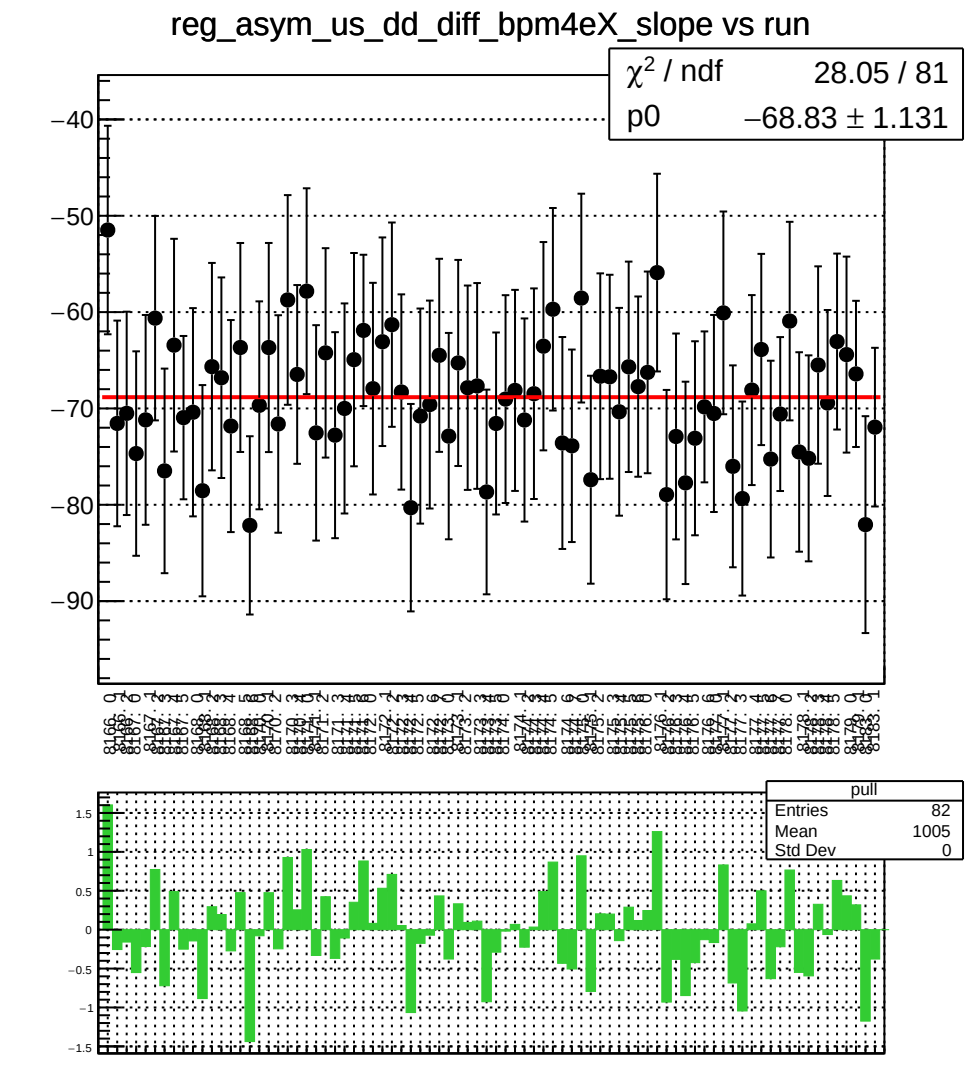

pull1D
Entries 82
Mean −0.01663
Std Dev 0.763

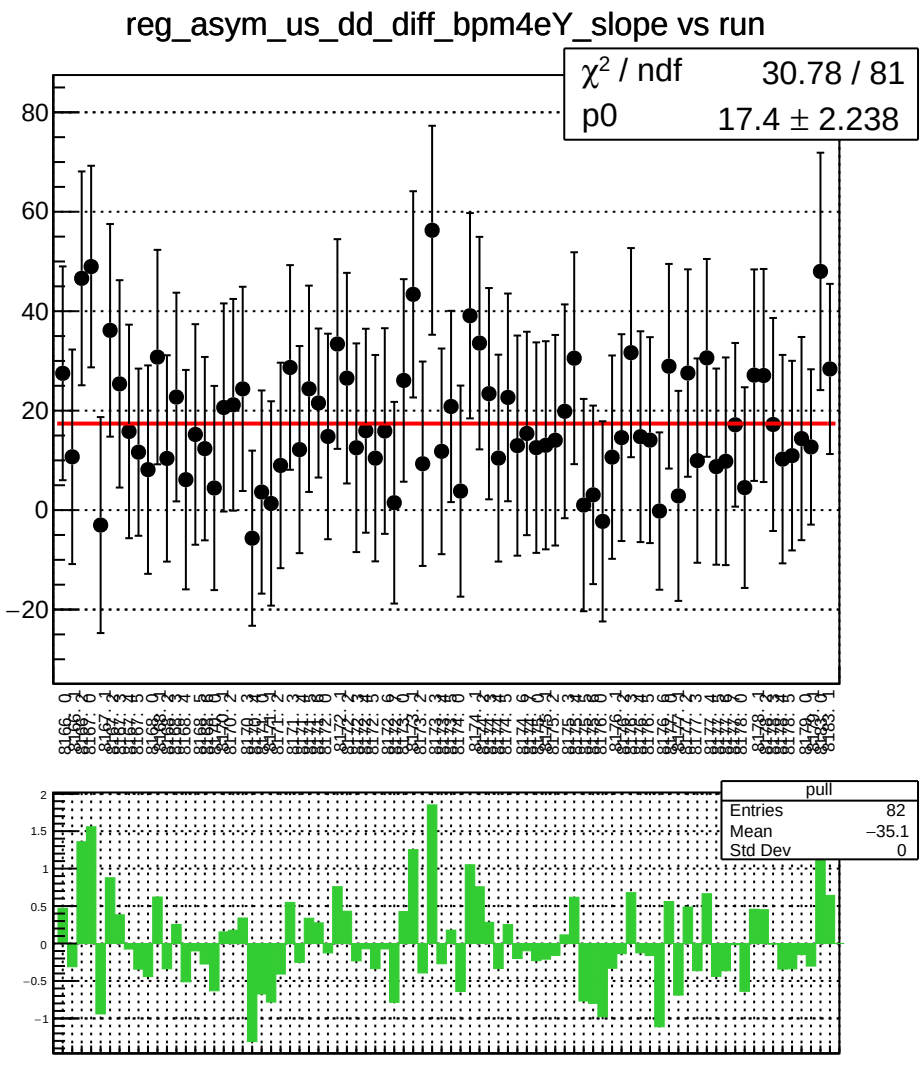

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 27.09 / 81
p0 10.71 ± 1.128
pull
Entries 82
Mean 2134
Std Dev 0

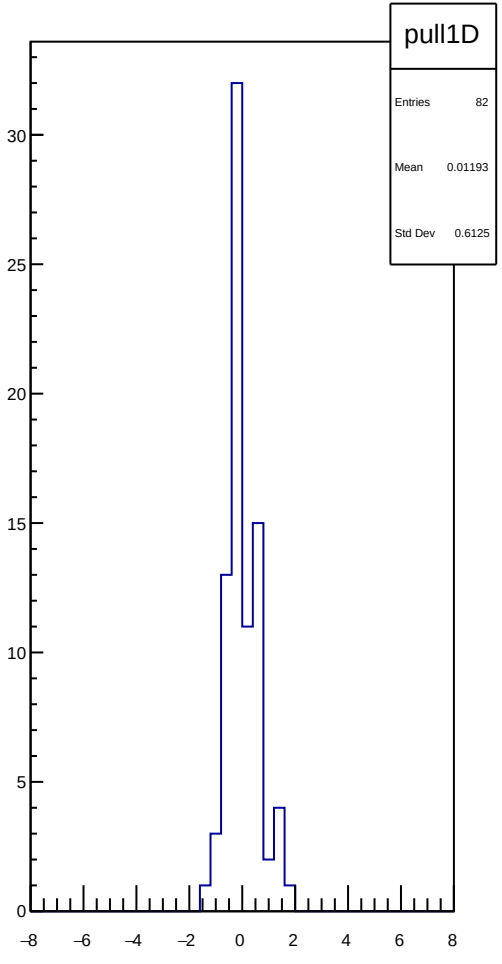

pull1D
Entries 82
Mean 0.0008386
Std Dev 0.5748

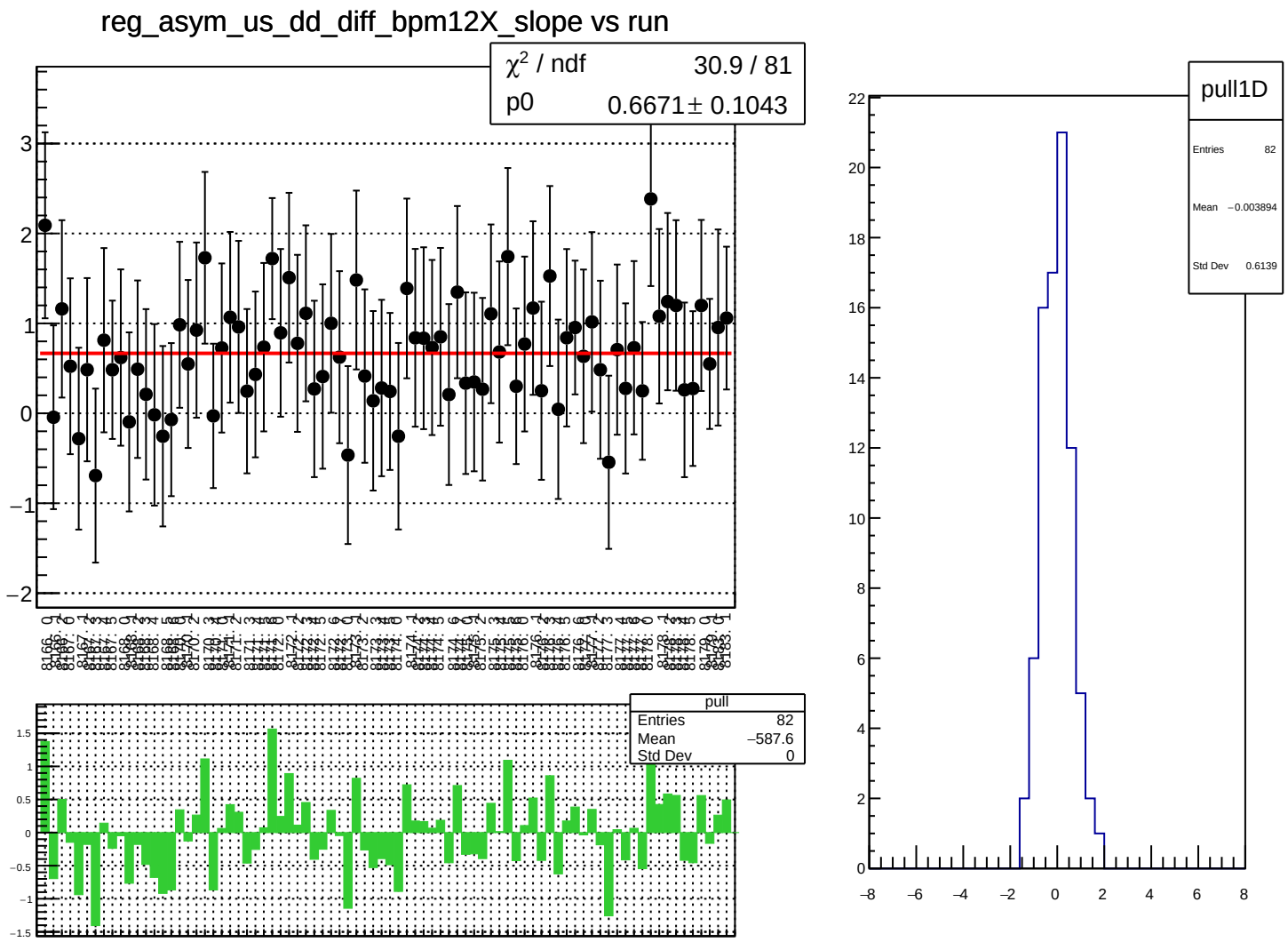

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.94 / 81
p0 −14.04 ± 2.092
pull
Entries 82
Mean −41.69
Std Dev 0

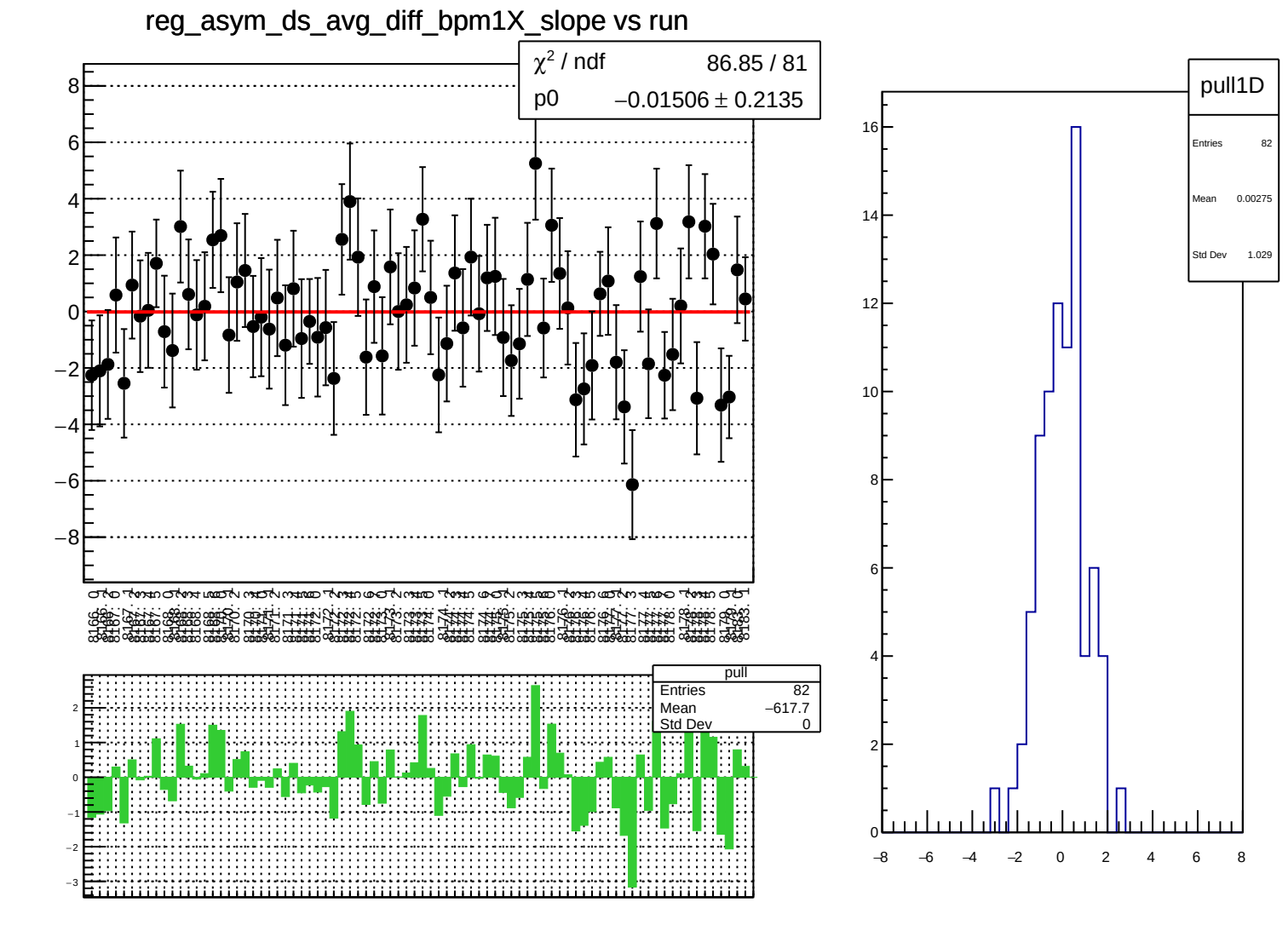

pull1D
Entries 82
Mean −0.01154
Std Dev 0.6141

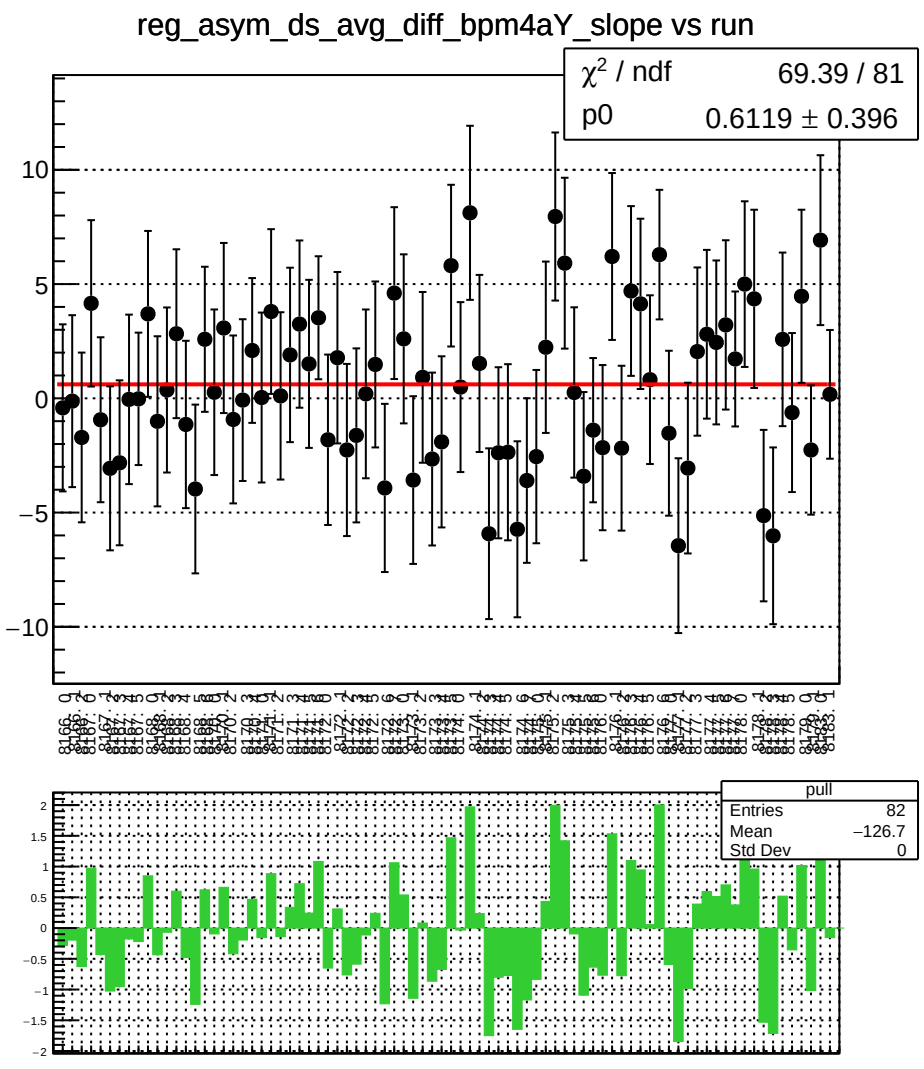

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.05 / 81
p0 −68.83 ± 1.131
pull
Entries 82
Mean 1005
Std Dev 0
pull1D
Entries 82
Mean −0.001492
Std Dev 0.5849

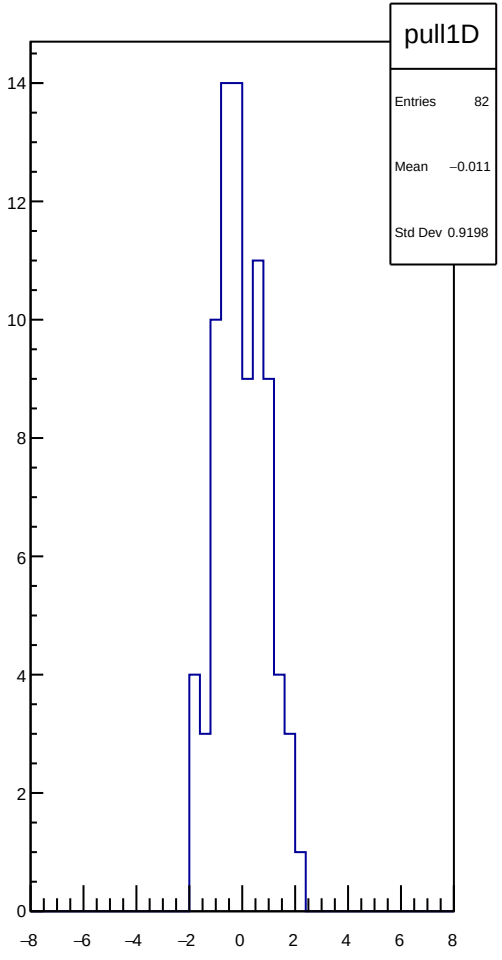

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.78 / 81
p0 17.4 ± 2.238
pull
Entries 82
Mean −35.1
Std Dev 0

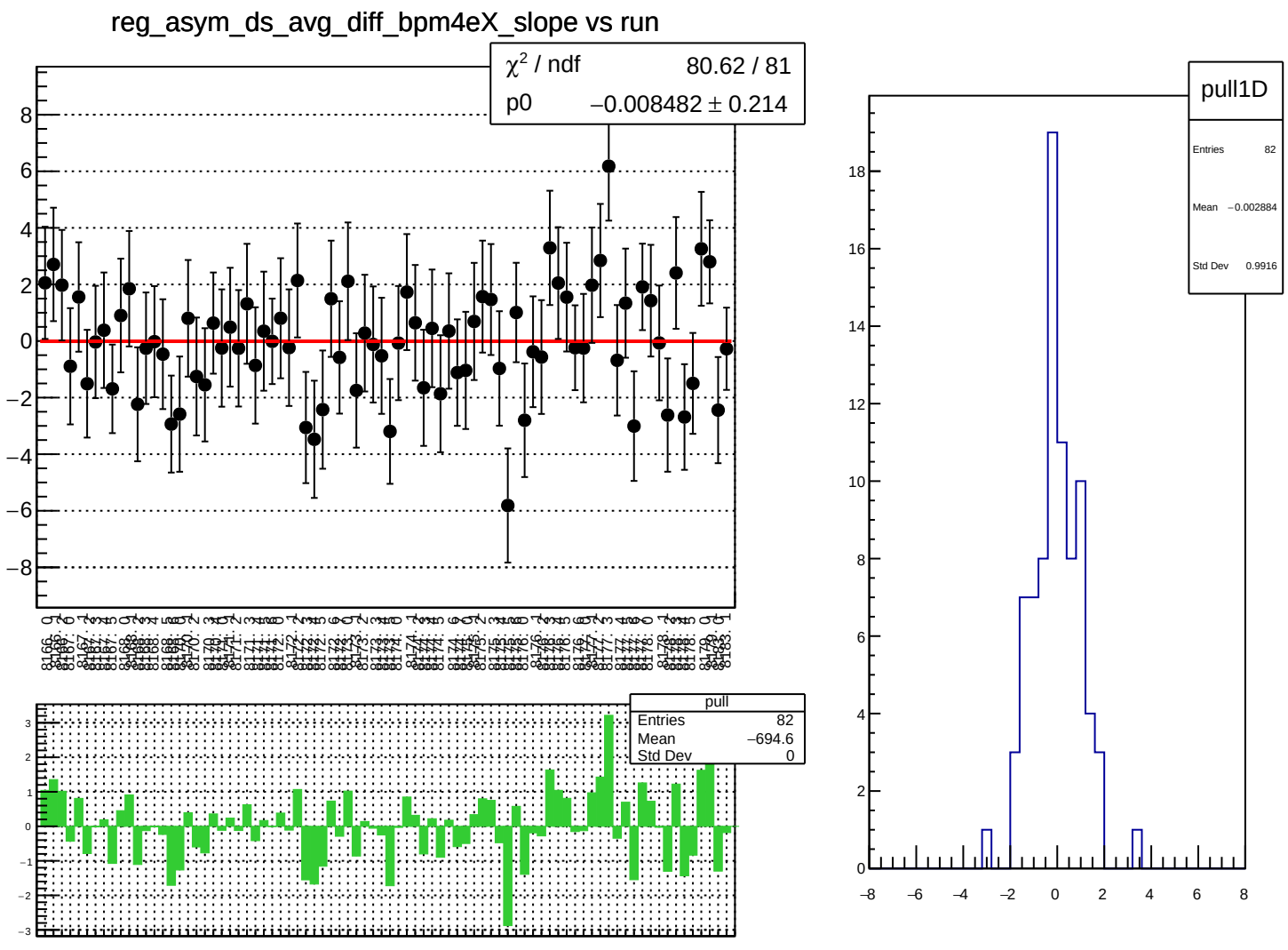

pull1D
Entries 82
Mean 0.01193
Std Dev 0.6125

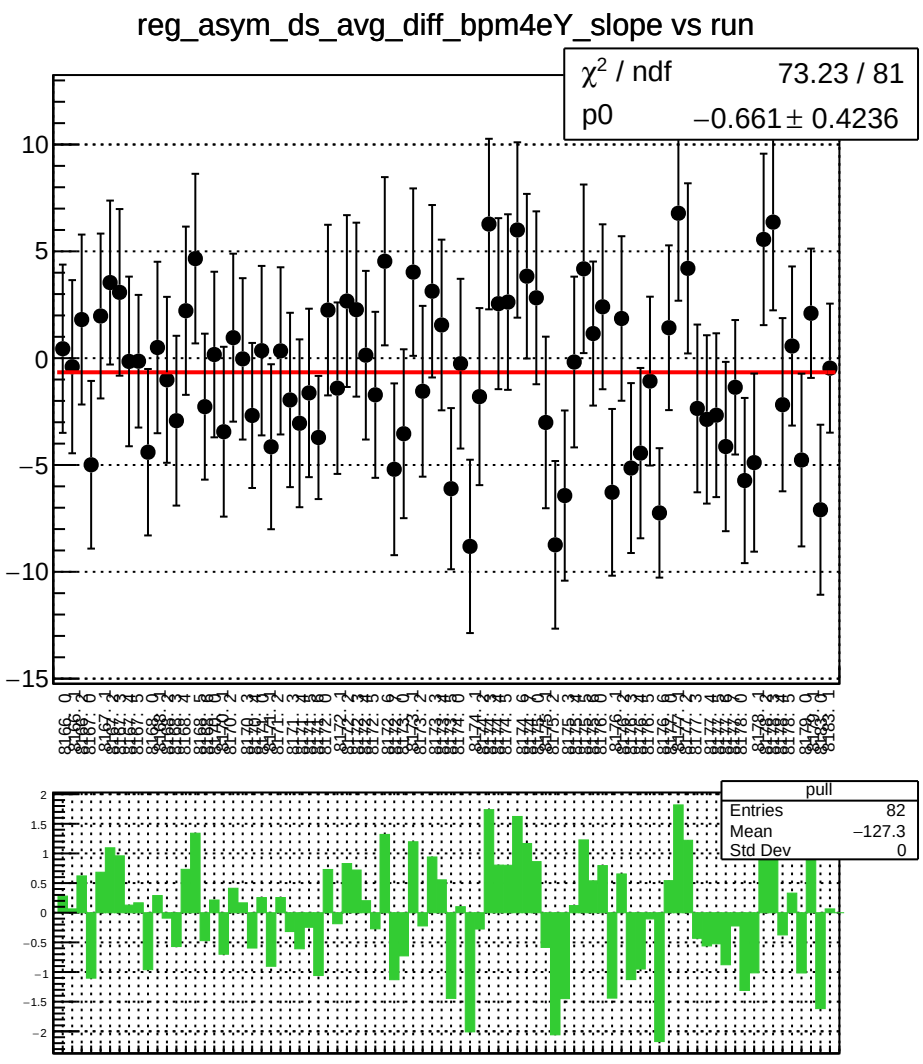

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 30.9 / 81
p0 0.6671 ± 0.1043
pull
Entries 82
Mean −587.6
Std Dev 0
pull1D
Entries 82
Mean −0.003894
Std Dev 0.6139

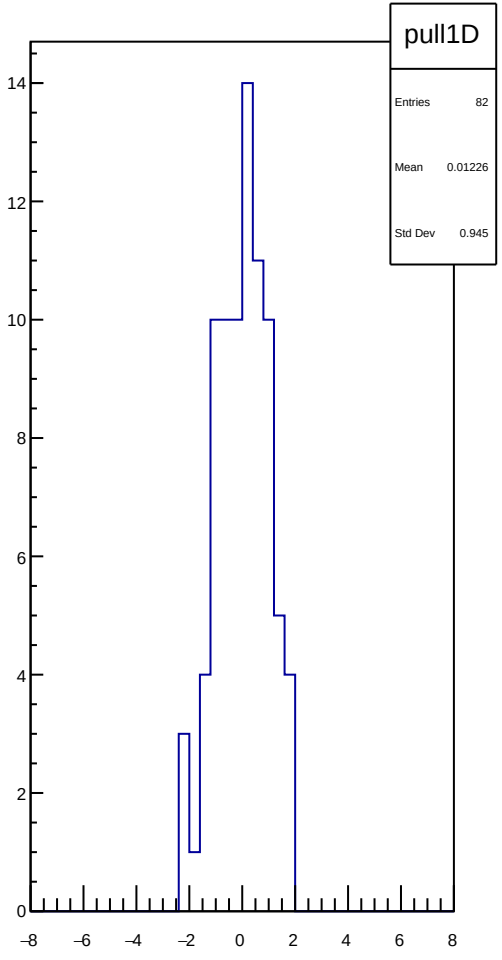

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 86.85 / 81
p0 −0.01506 ± 0.2135
pull
Entries 82
Mean −617.7
Std Dev 0
pull1D
Entries 82
Mean 0.00275
Std Dev 1.029

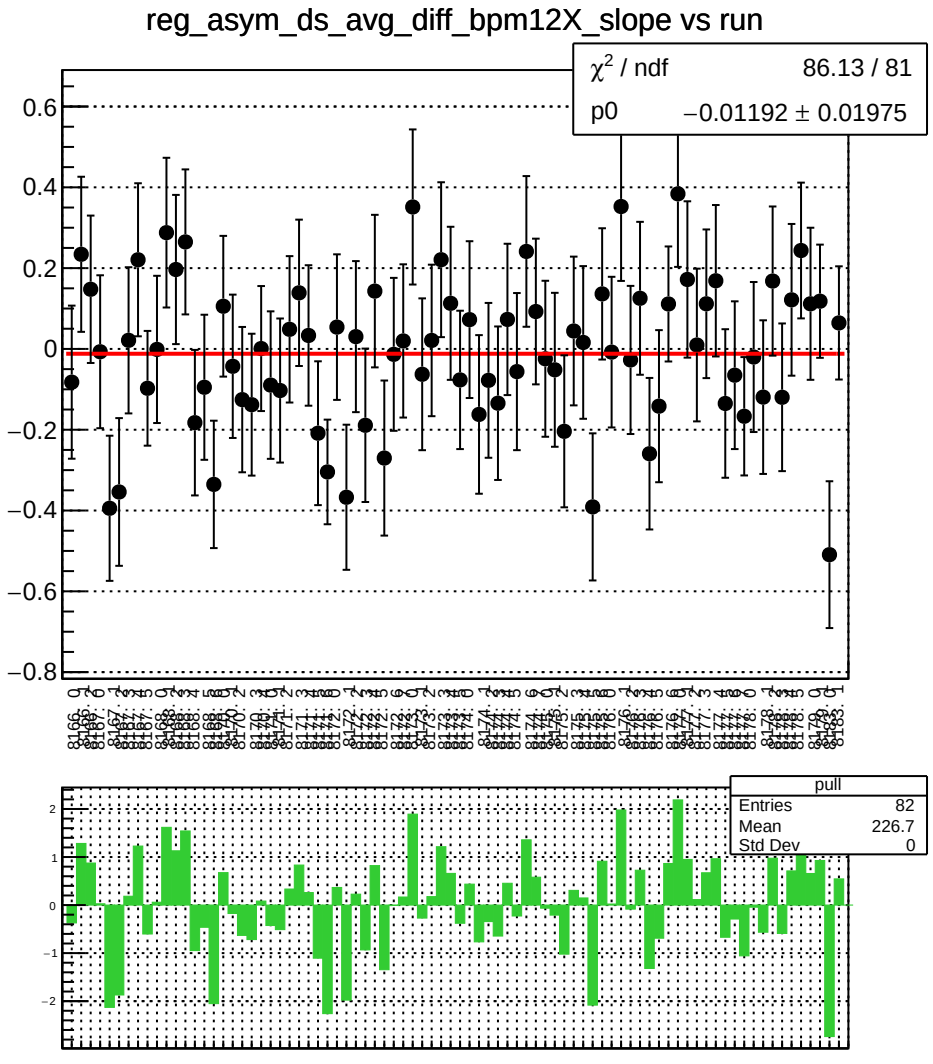

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 69.39 / 81
p0 0.6119 ± 0.396
pull
Entries 82
Mean −126.7
Std Dev 0

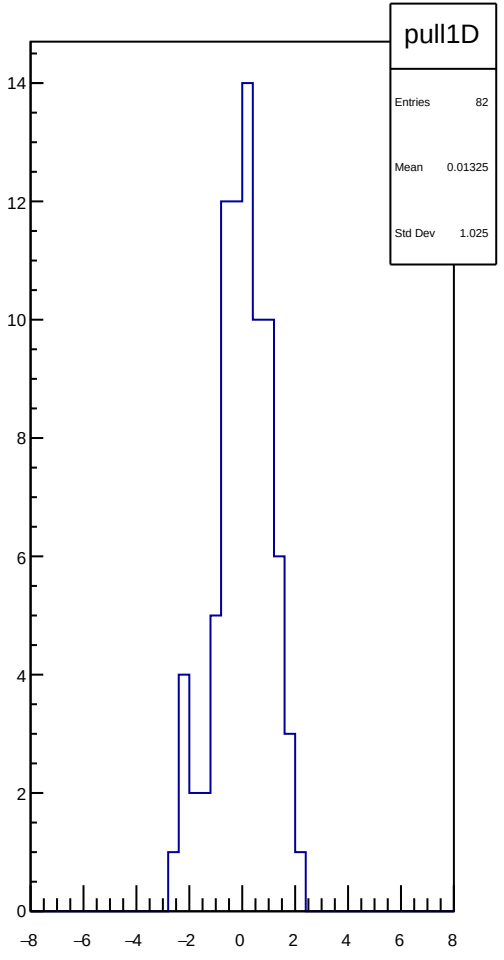

pull1D
Entries 82
Mean −0.011
Std Dev 0.9198

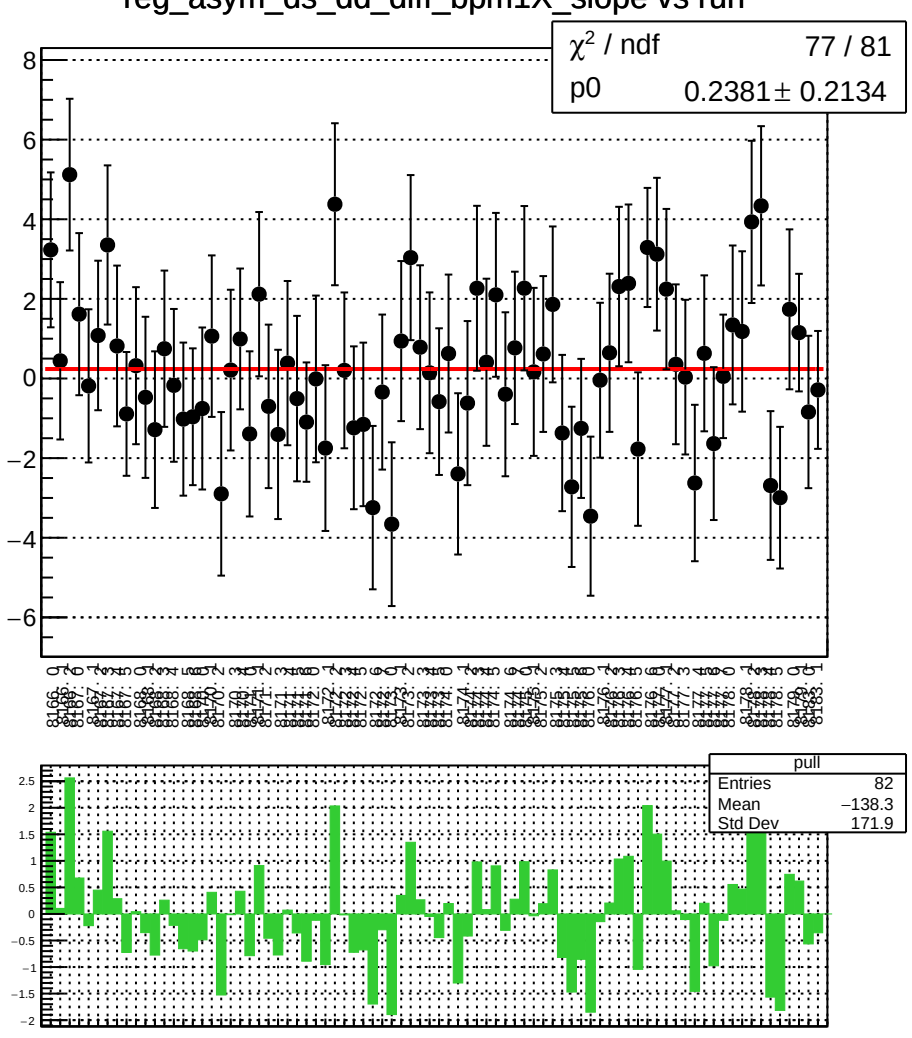

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.62 / 81
p0 −0.008482 ± 0.214
pull
Entries 82
Mean −694.6
Std Dev 0
pull1D
Entries 82
Mean −0.002884
Std Dev 0.9916

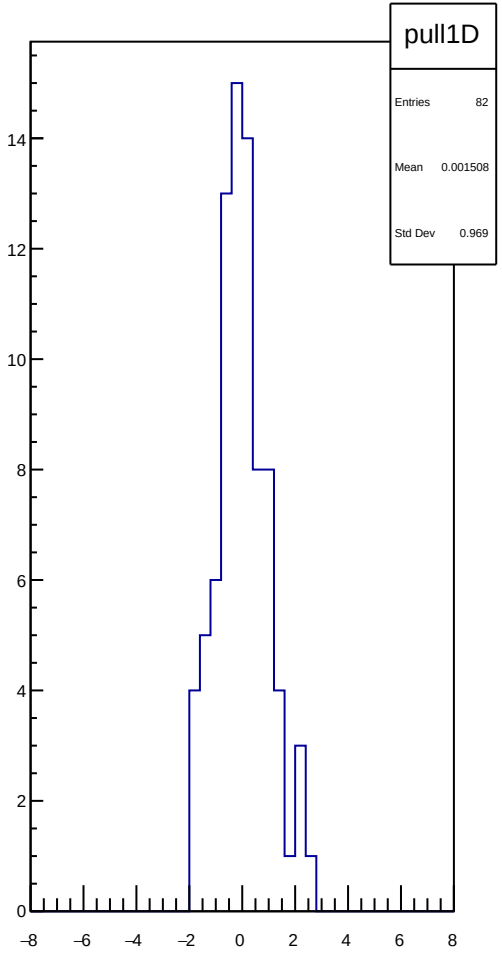

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.23 / 81
p0 −0.661 ± 0.4236
pull
Entries 82
Mean −127.3
Std Dev 0

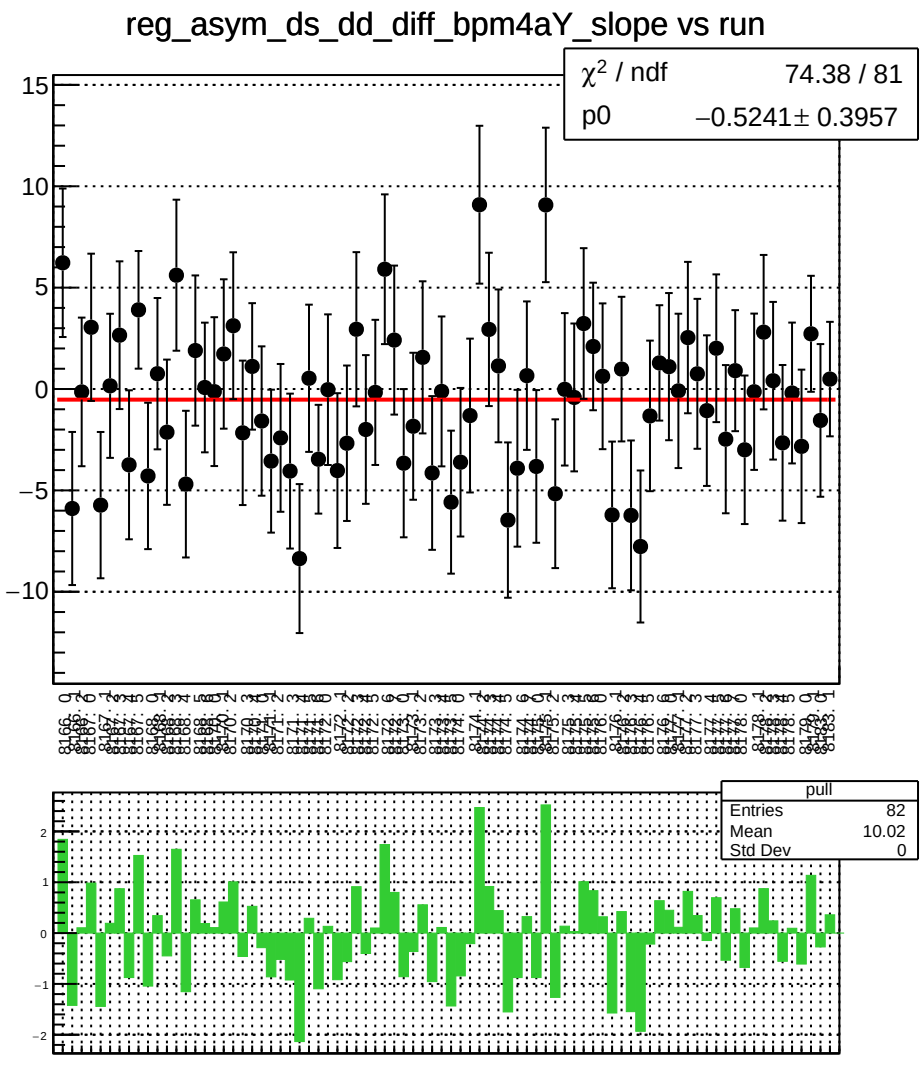

pull1D
Entries 82
Mean 0.01226
Std Dev 0.945

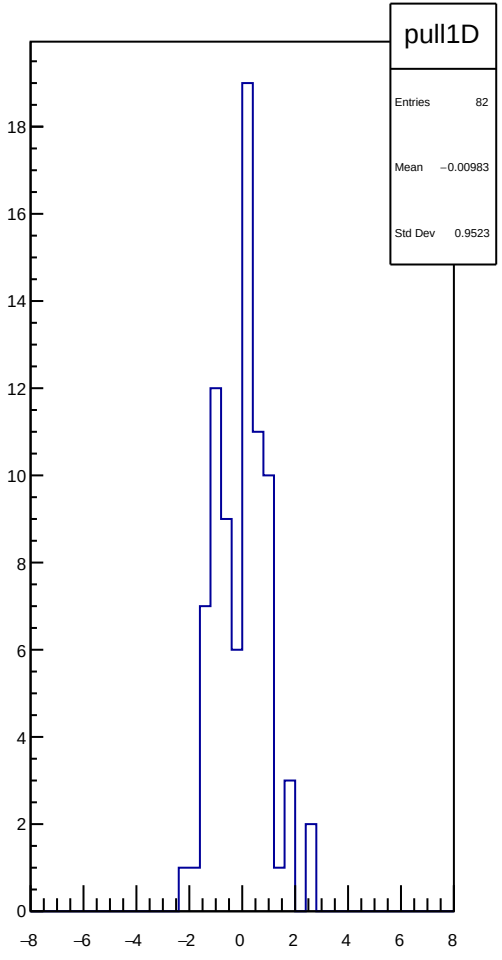

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 86.13 / 81
p0 −0.01192 ± 0.01975
pull
Entries 82
Mean 226.7
Std Dev 0

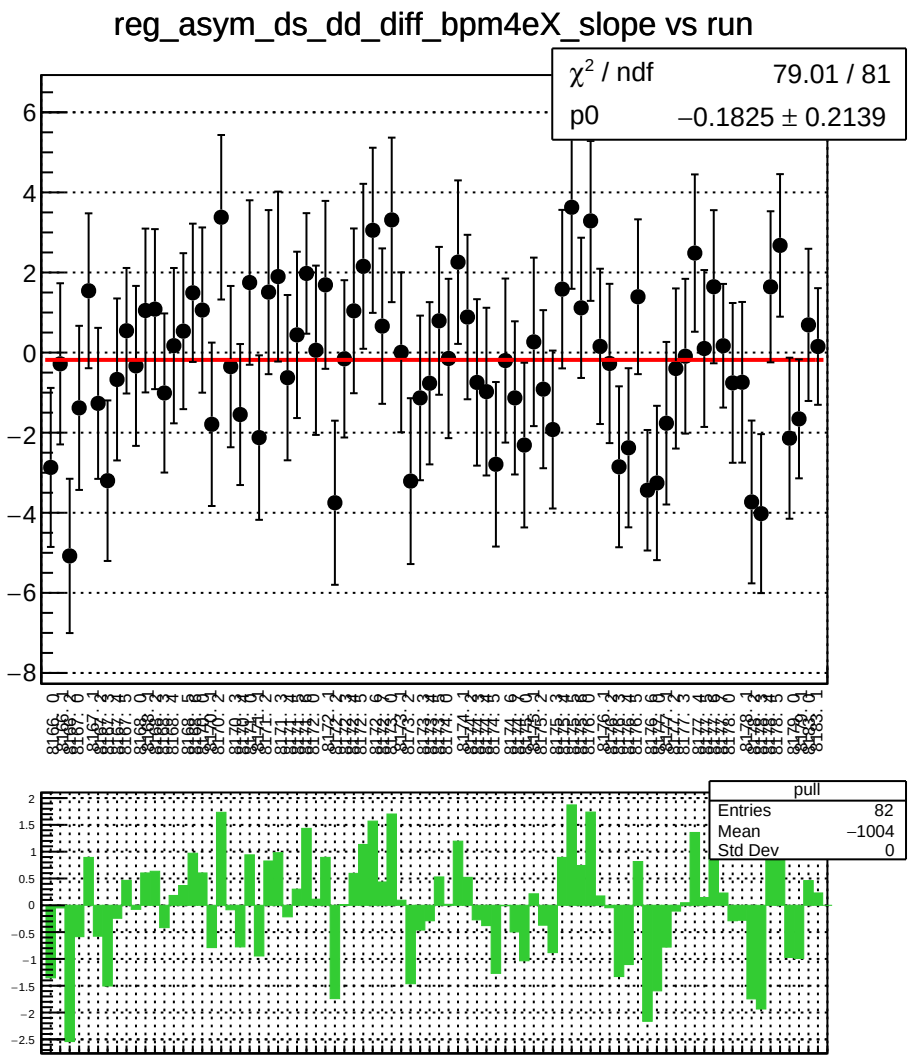

pull1D
Entries 82
Mean 0.01325
Std Dev 1.025

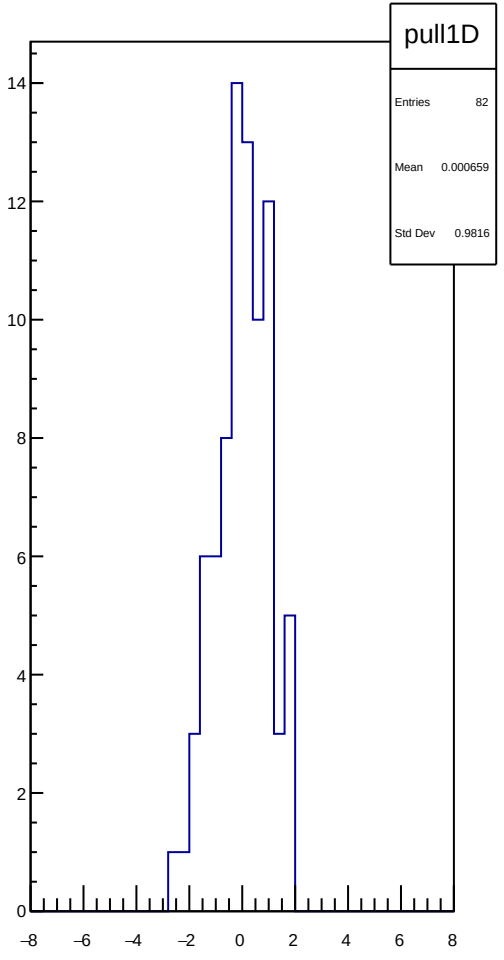

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 77 / 81
p0 0.2381 ± 0.2134
pull
Entries 82
Mean −138.3
Std Dev 171.9

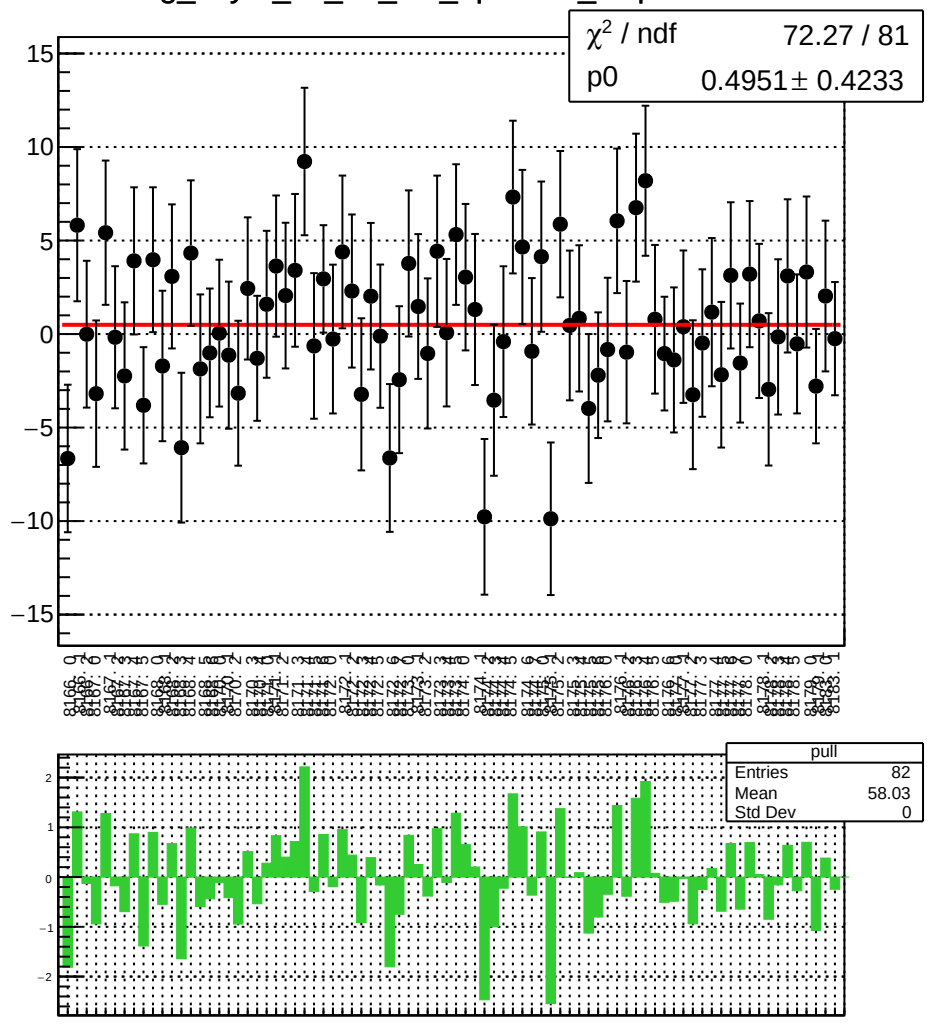

pull1D
Entries 82
Mean 0.001508
Std Dev 0.969

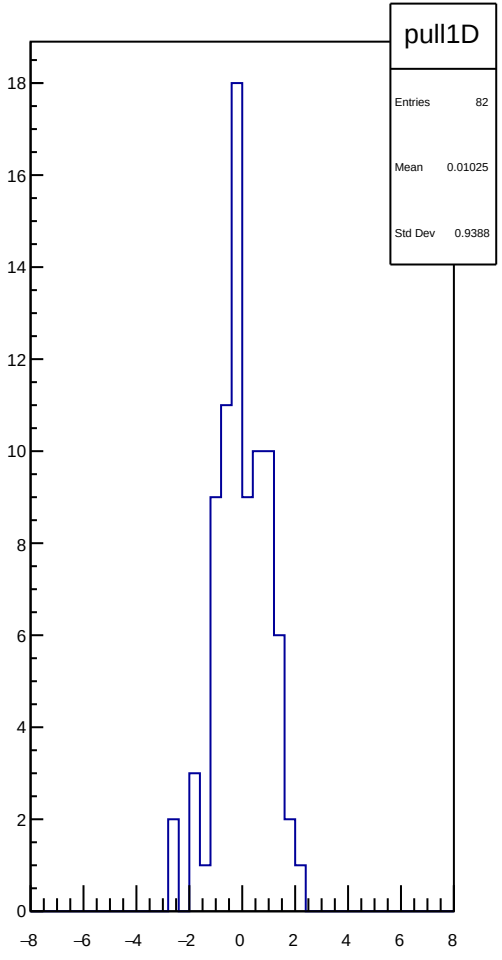

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.38 / 81
p0 −0.5241± 0.3957
pull
Entries 82
Mean 10.02
Std Dev 0

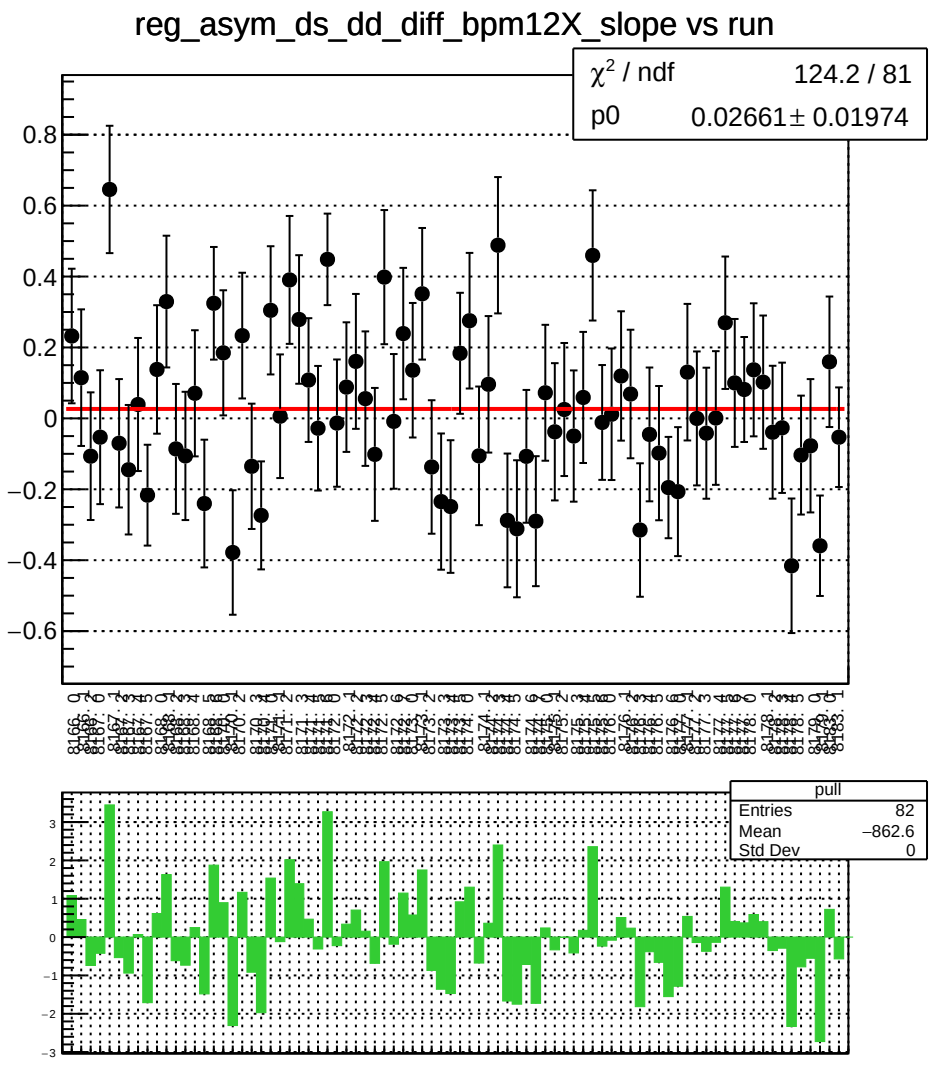

pull1D
Entries 82
Mean −0.00983
Std Dev 0.9523

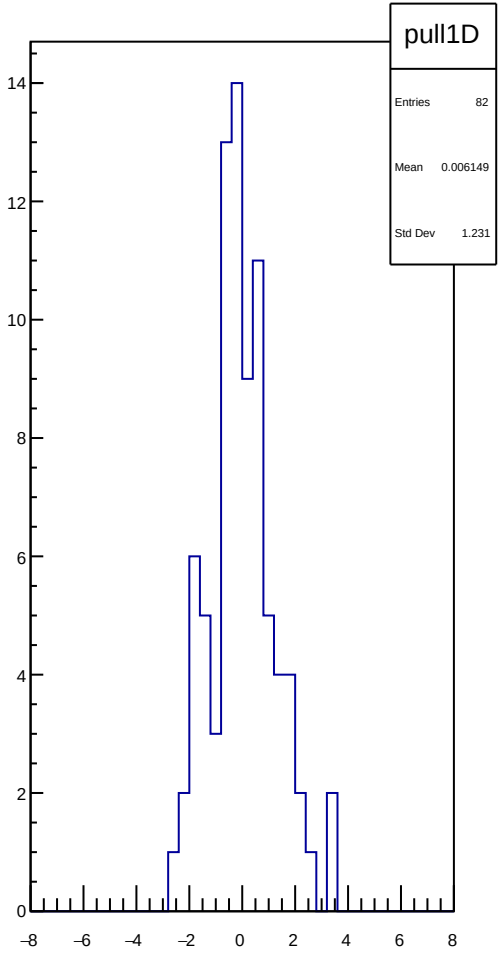

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.01 / 81
p0 −0.1825 ± 0.2139
pull
Entries 82
Mean −1004
Std Dev 0

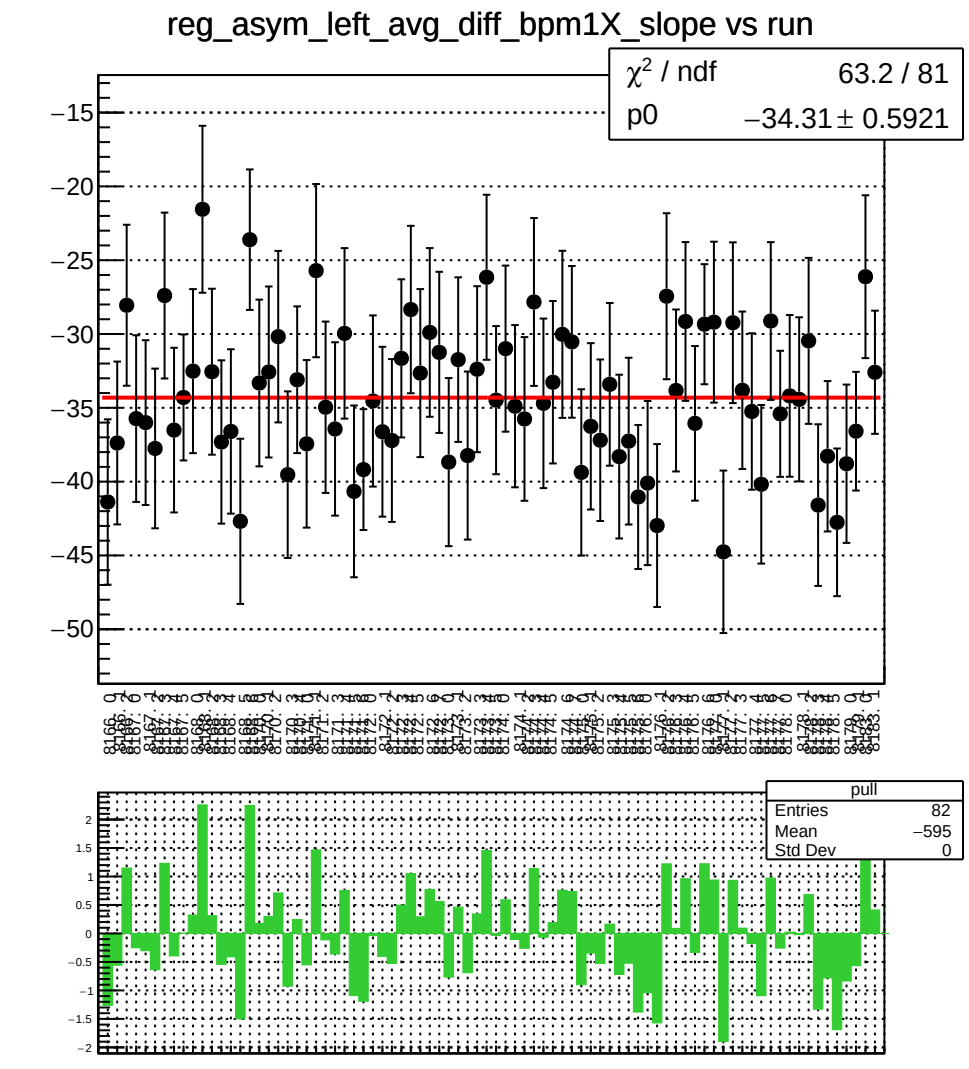

pull1D
Entries 82
Mean 0.000659
Std Dev 0.9816

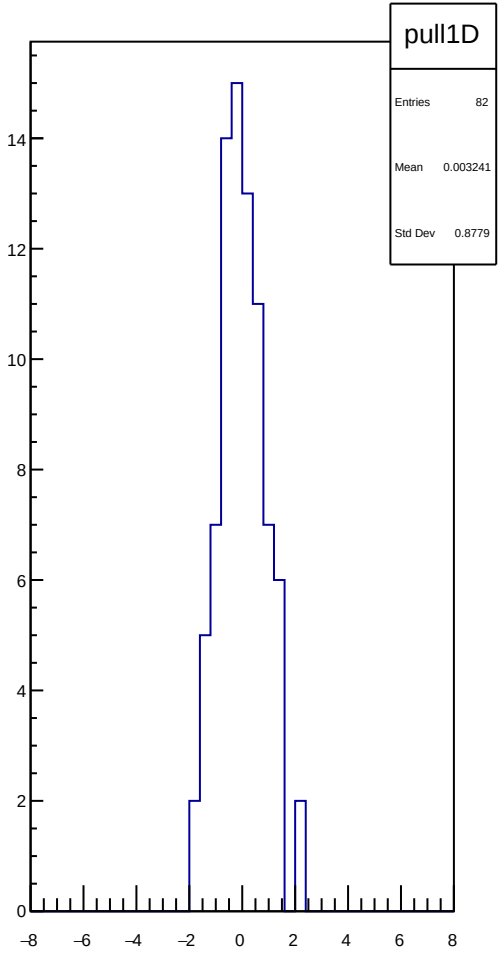

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.27 / 81
p0 0.4951± 0.4233
pull
Entries 82
Mean 58.03
Std Dev 0

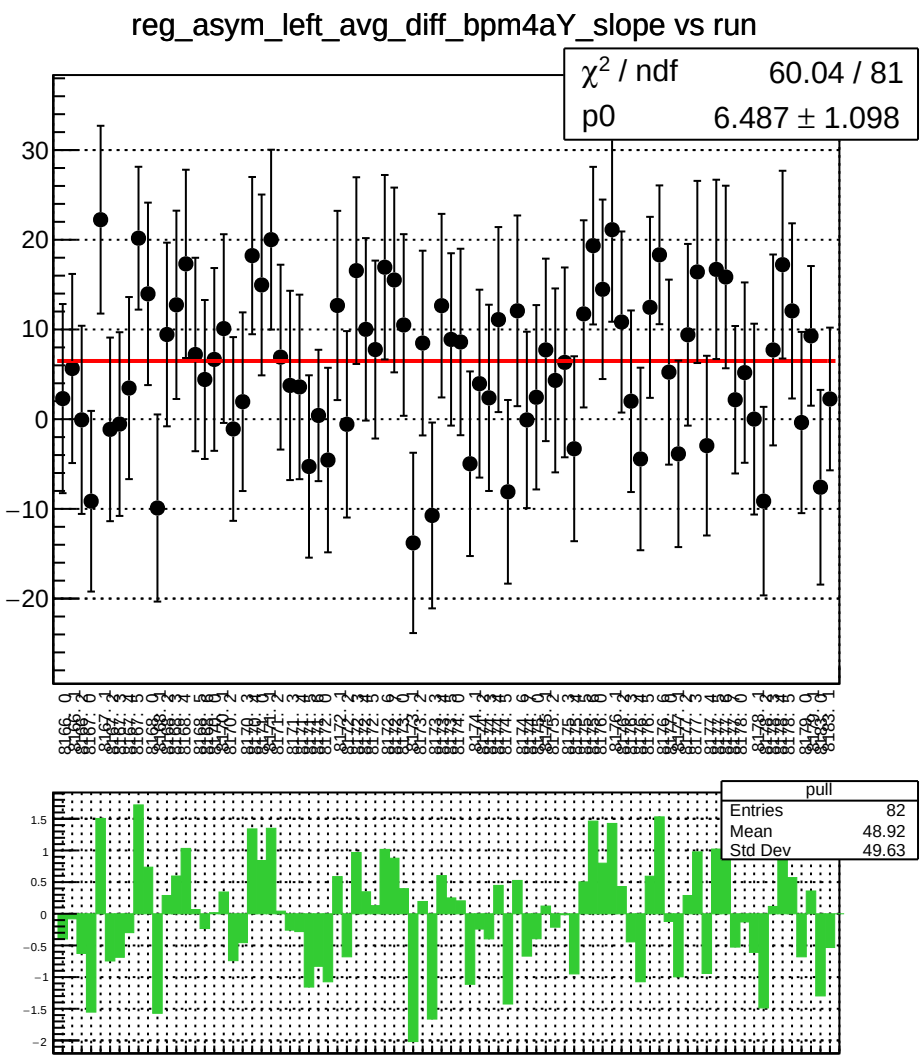

pull1D
Entries 82
Mean 0.01025
Std Dev 0.9388

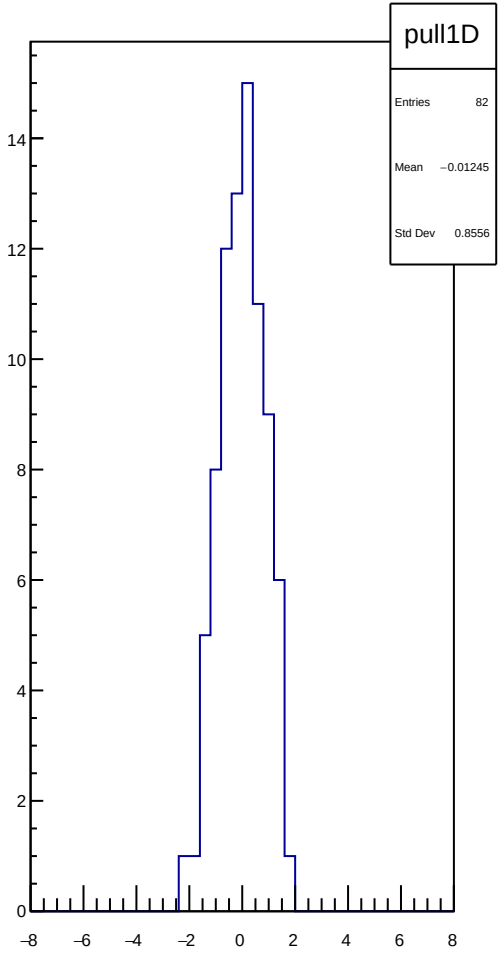

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 124.2 / 81
p0 0.02661 ± 0.01974
pull
Entries 82
Mean −862.6
Std Dev 0

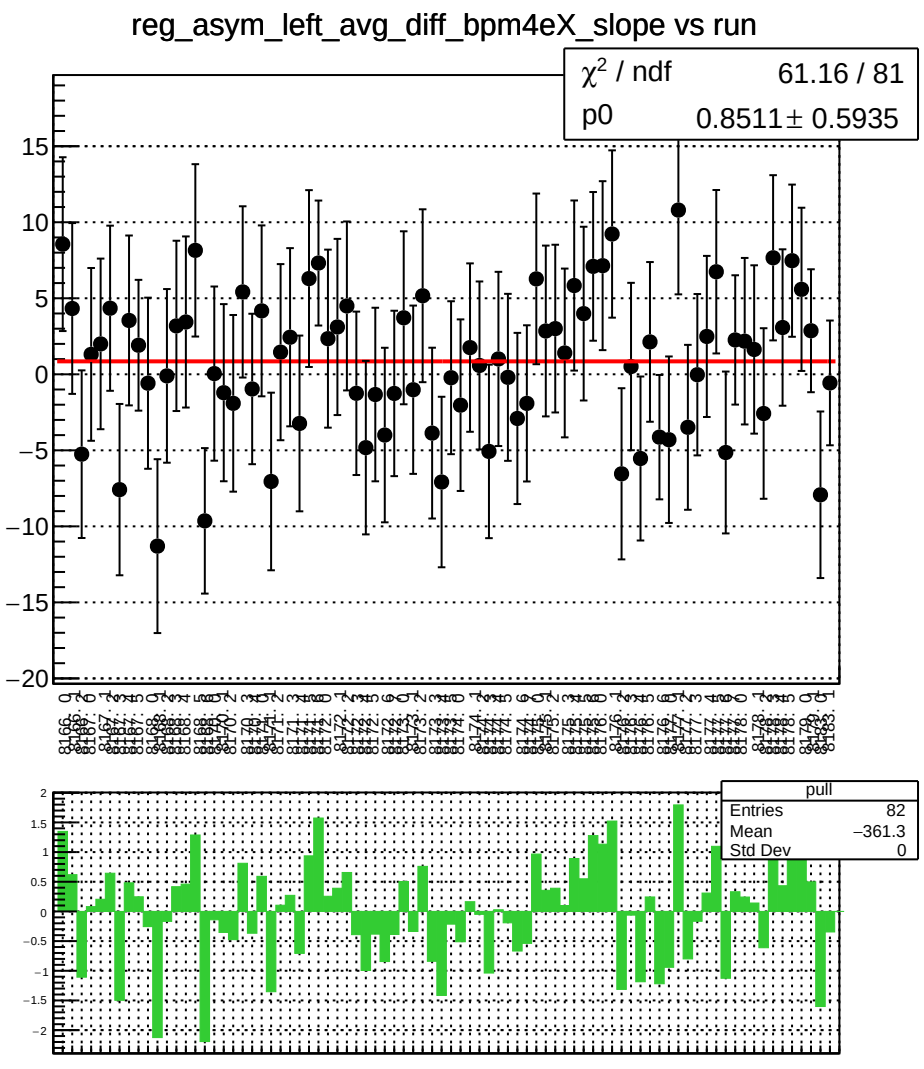

pull1D
Entries 82
Mean 0.006149
Std Dev 1.231

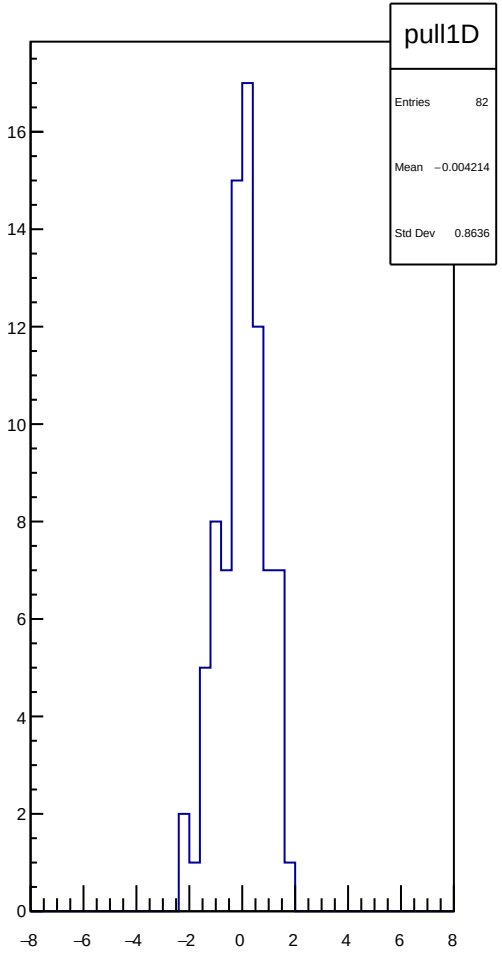

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 63.2 / 81
p0 −34.31 ± 0.5921
pull
Entries 82
Mean −595
Std Dev 0

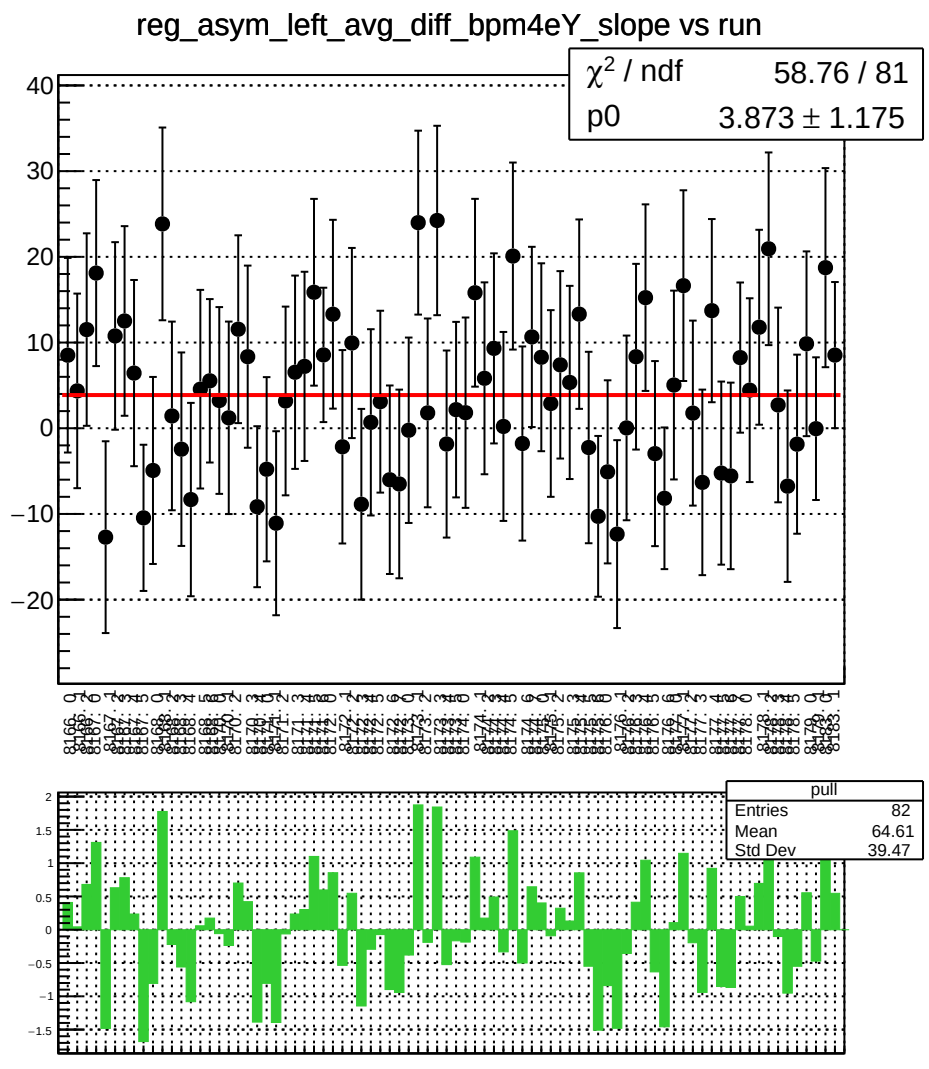

pull1D
Entries 82
Mean 0.003241
Std Dev 0.8779

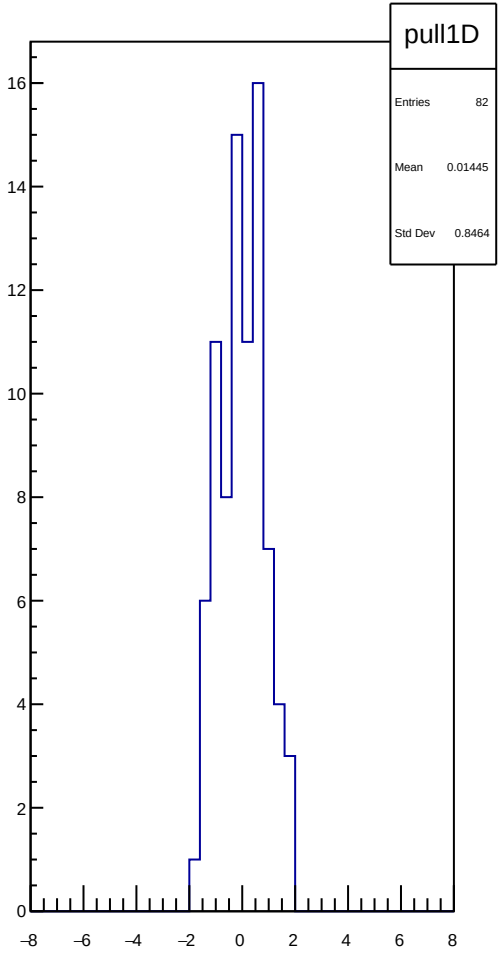

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.04 / 81
p0 6.487 ± 1.098
pull
Entries 82
Mean 48.92
Std Dev 49.63

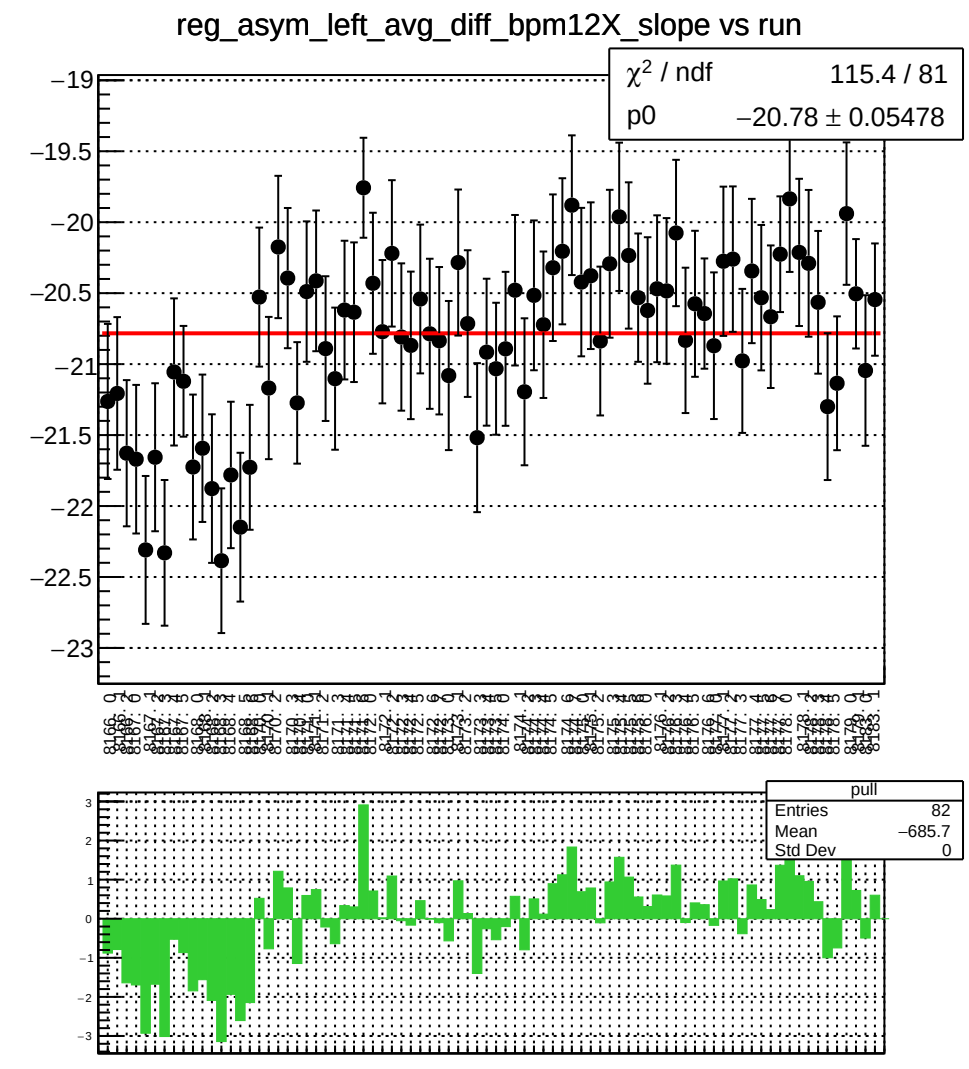

pull1D
Entries 82
Mean −0.01245
Std Dev 0.8556

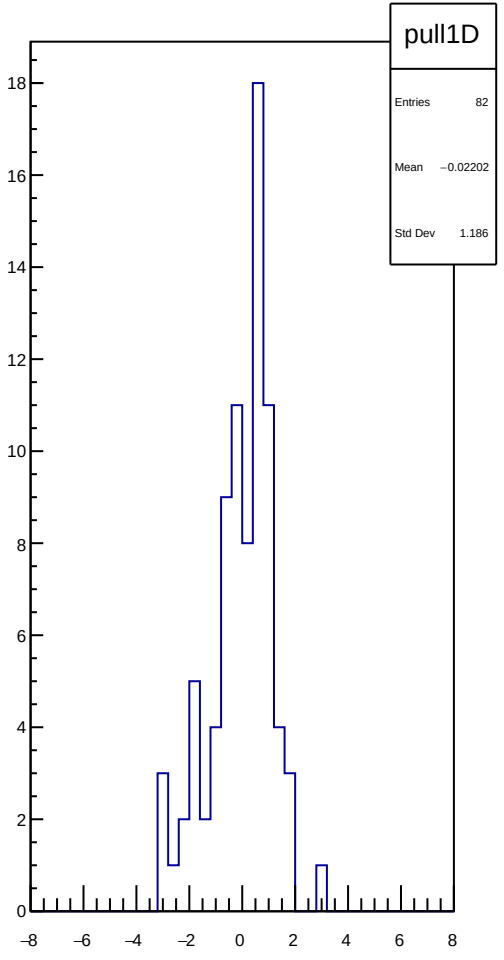

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.16 / 81
p0 0.8511 ± 0.5935
pull
Entries 82
Mean −361.3
Std Dev 0

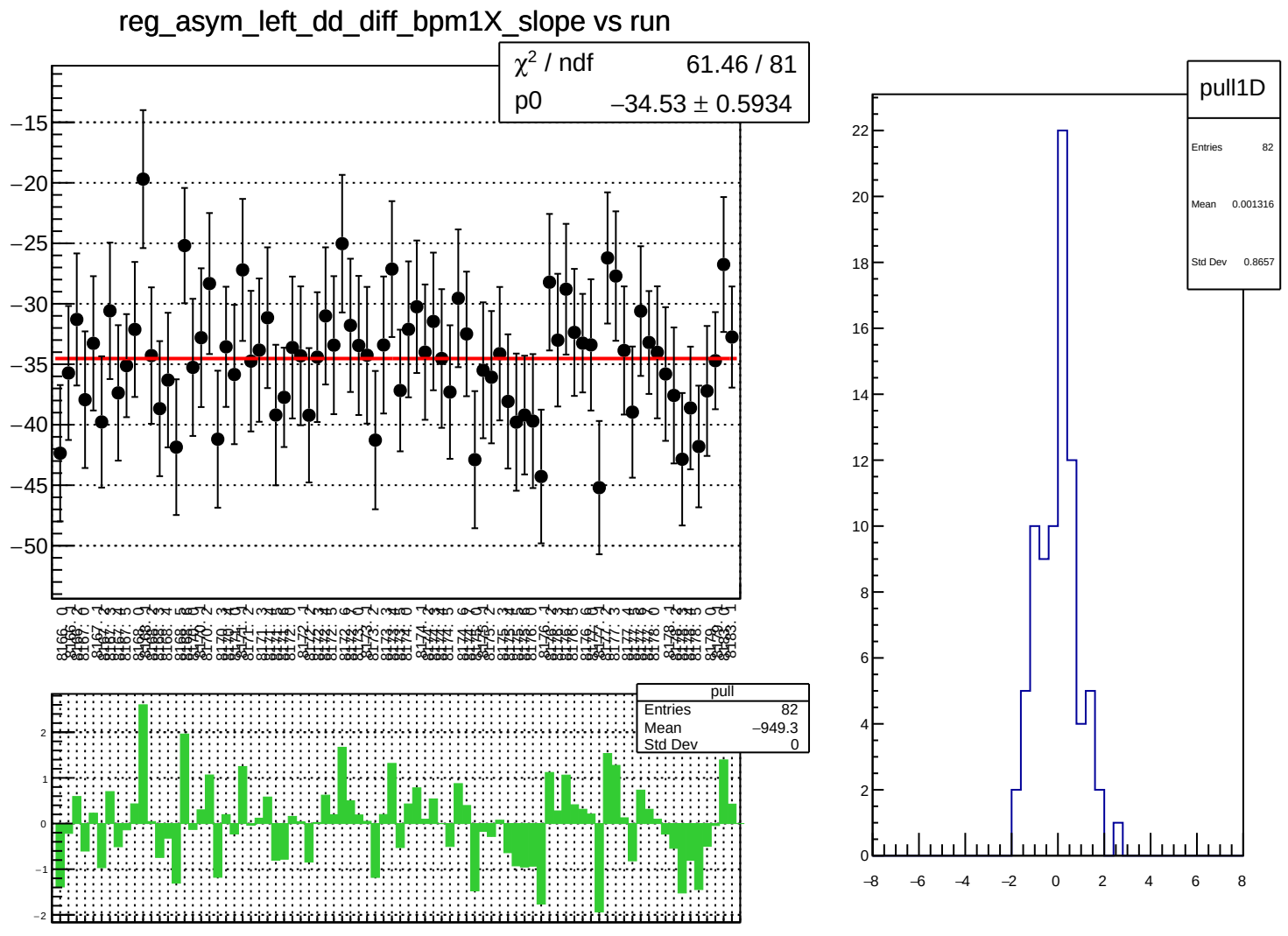

pull1D
Entries 82
Mean −0.004214
Std Dev 0.8636

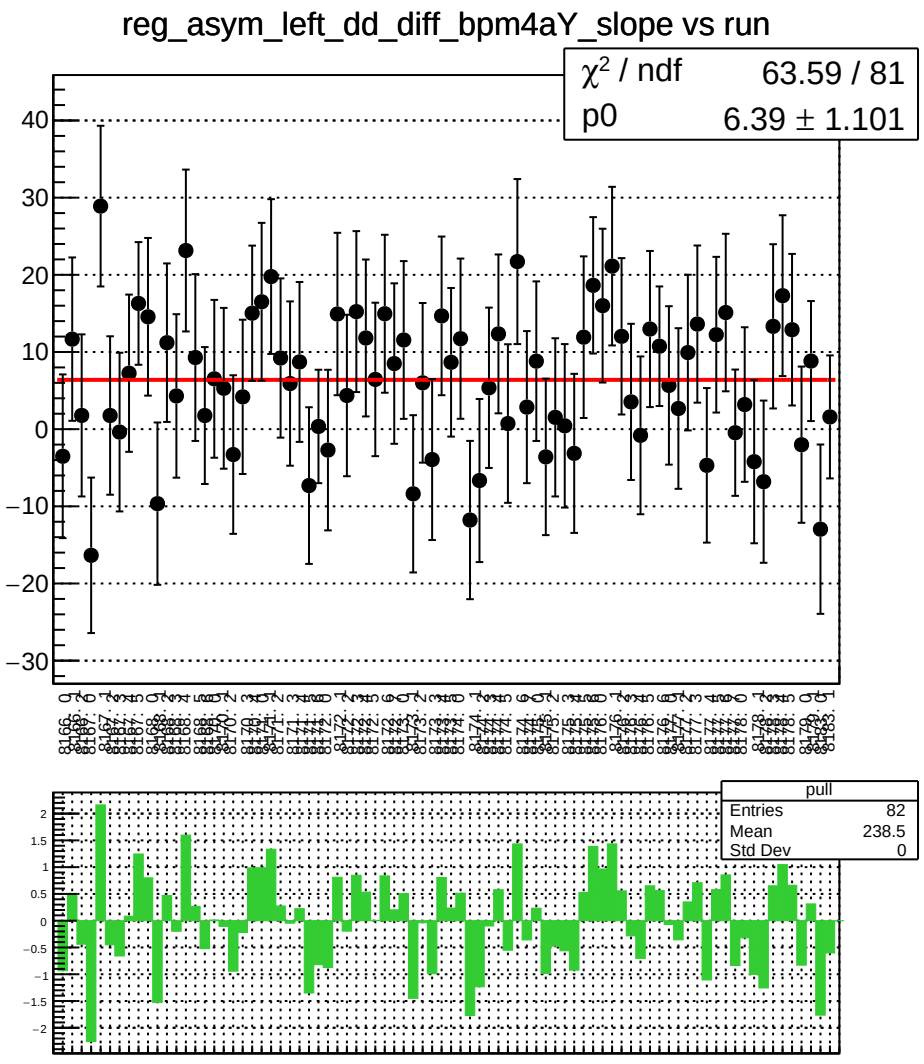

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.76 / 81
p0 3.873 ± 1.175
pull
Entries 82
Mean 64.61
Std Dev 39.47

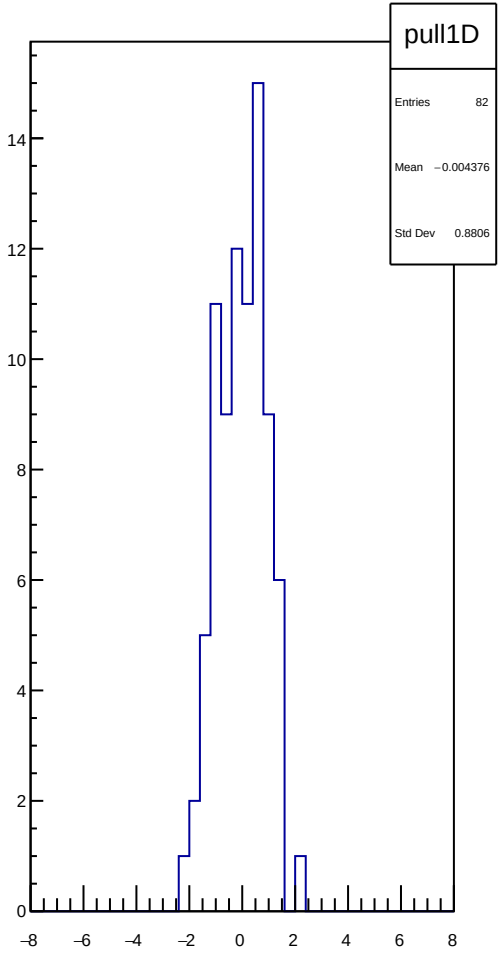

pull1D
Entries 82
Mean 0.01445
Std Dev 0.8464

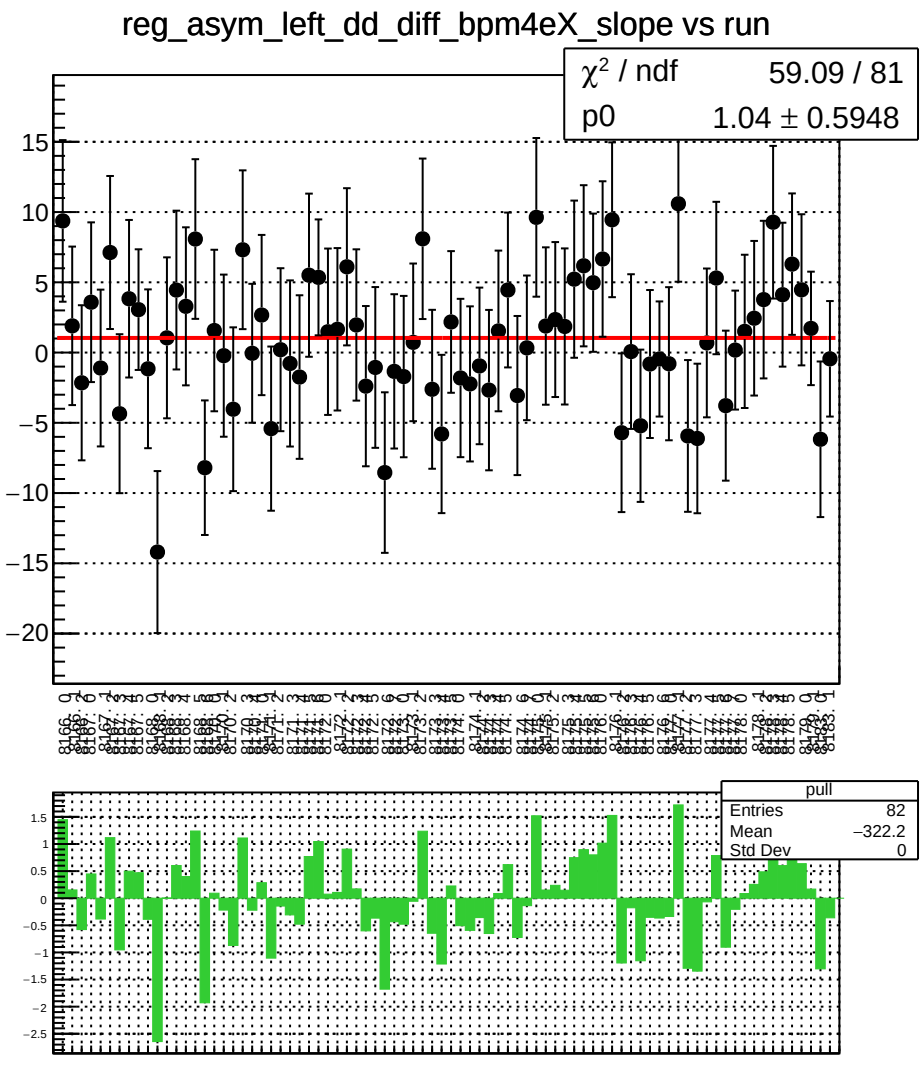

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 115.4 / 81
p0 −20.78 ± 0.05478
pull
Entries 82
Mean −685.7
Std Dev 0

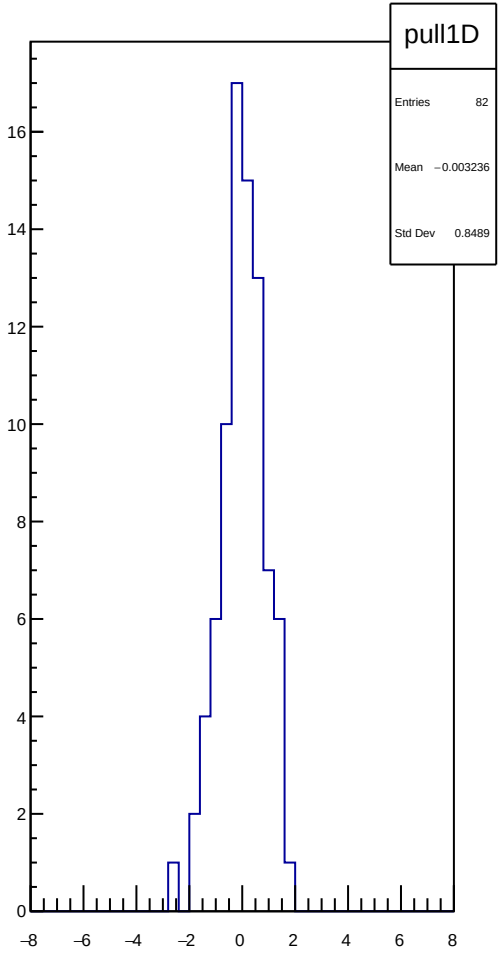

pull1D
Entries 82
Mean −0.02202
Std Dev 1.186

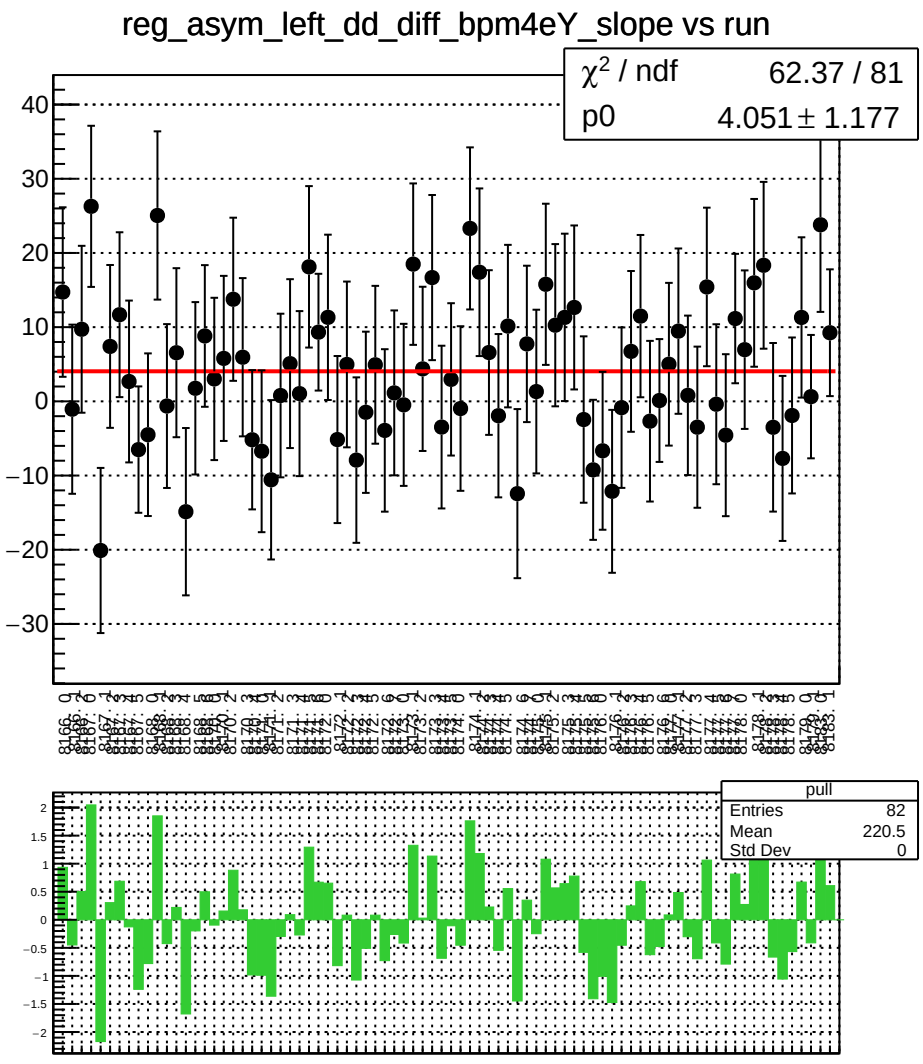

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 61.46 / 81
p0 −34.53 ± 0.5934
pull
Entries 82
Mean −949.3
Std Dev 0
pull1D
Entries 82
Mean 0.001316
Std Dev 0.8657

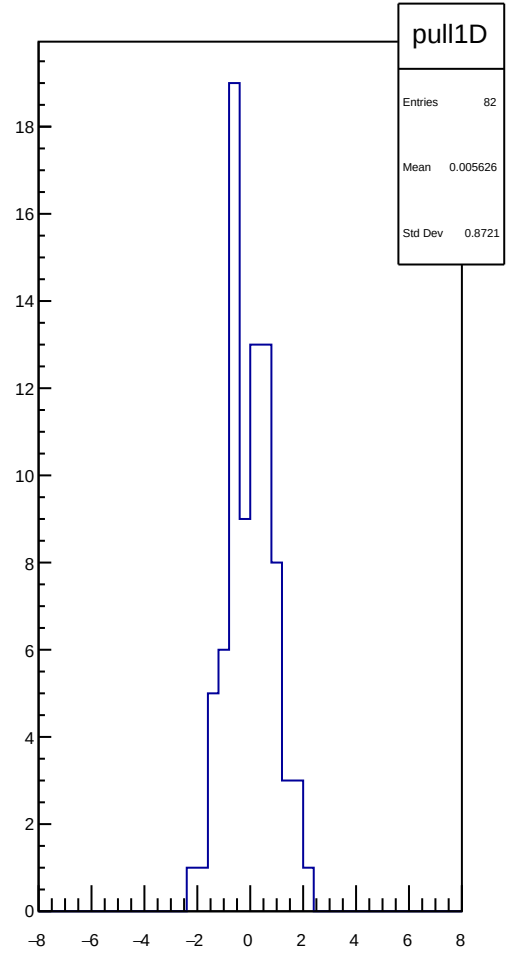

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.59 / 81
p0 6.39 ± 1.101
pull
Entries 82
Mean 238.5
Std Dev 0

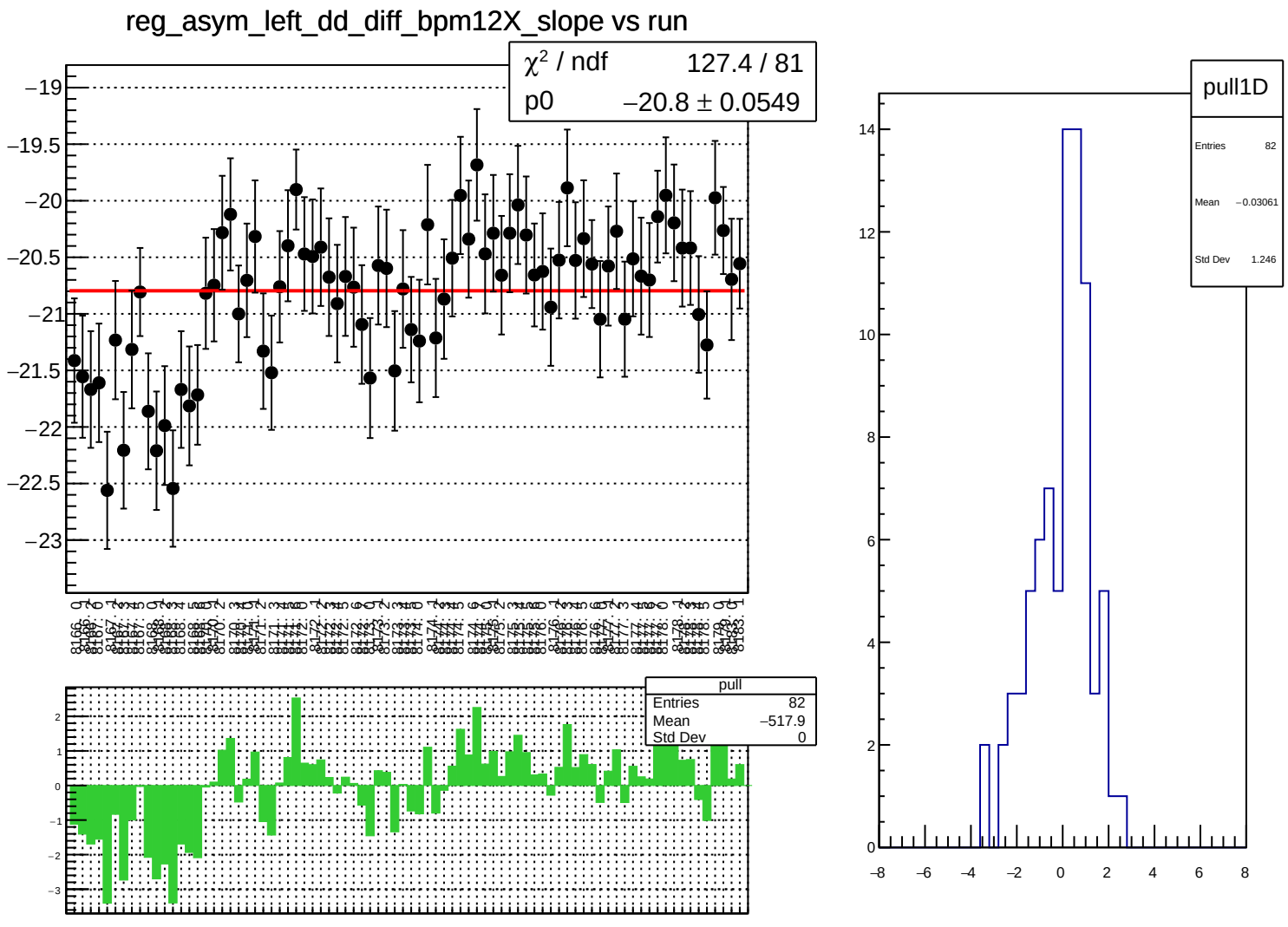

pull1D
Entries 82
Mean −0.004376
Std Dev 0.8806

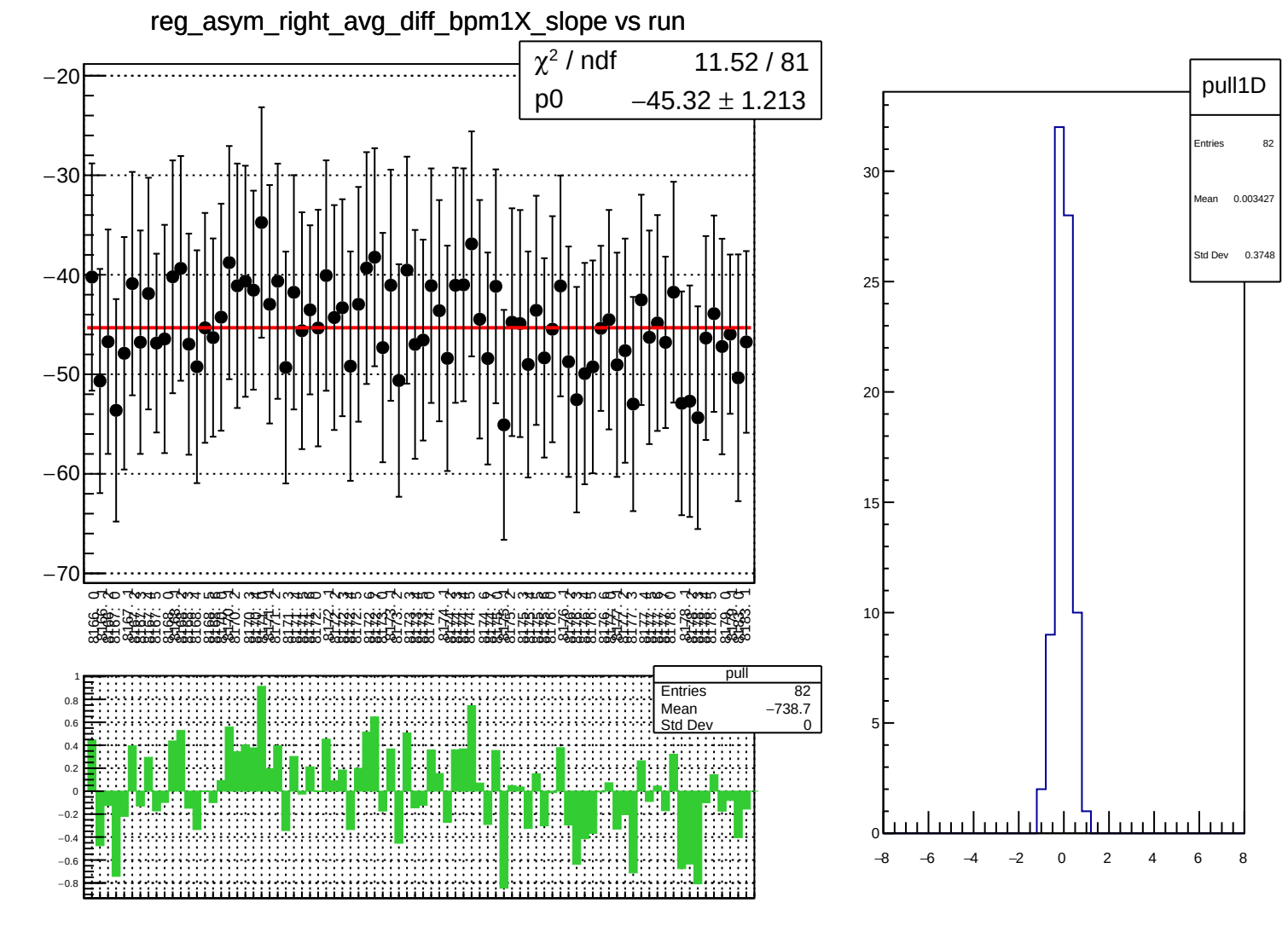

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.09 / 81
p0 1.04 ± 0.5948
pull
Entries 82
Mean −322.2
Std Dev 0

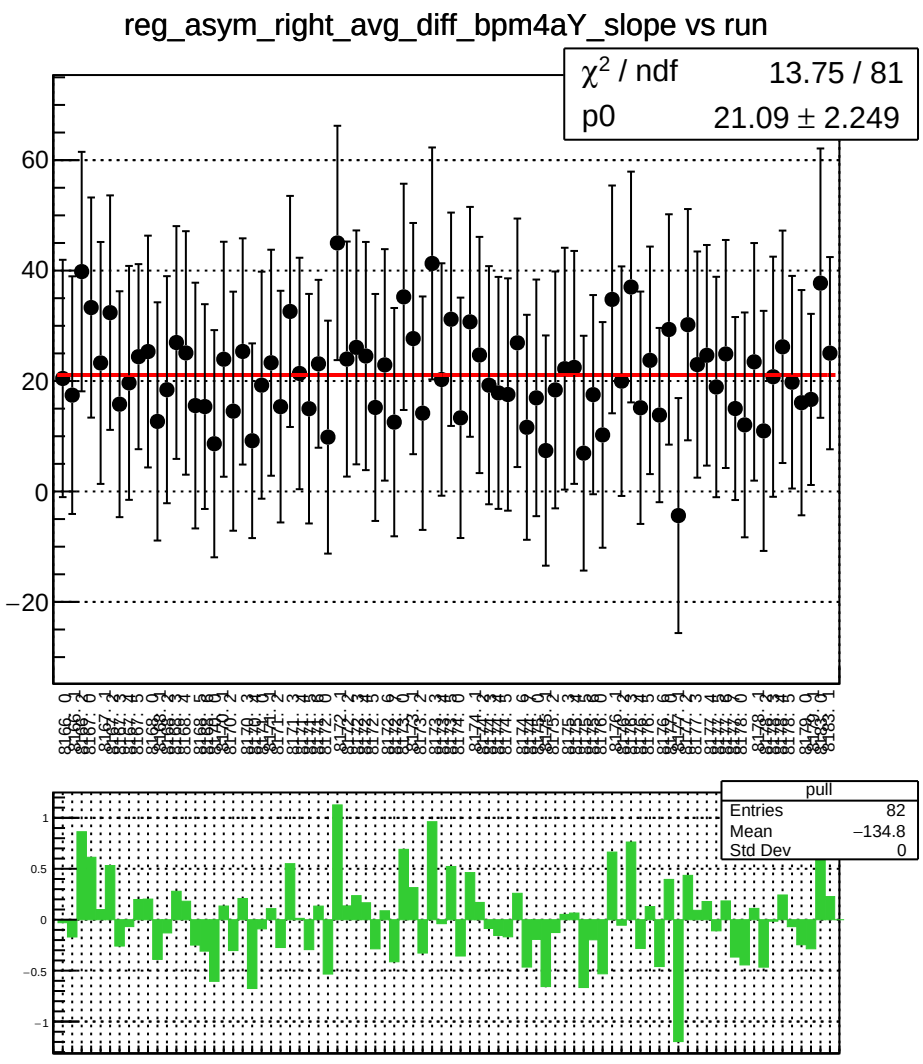

pull1D
Entries 82
Mean −0.003236
Std Dev 0.8489

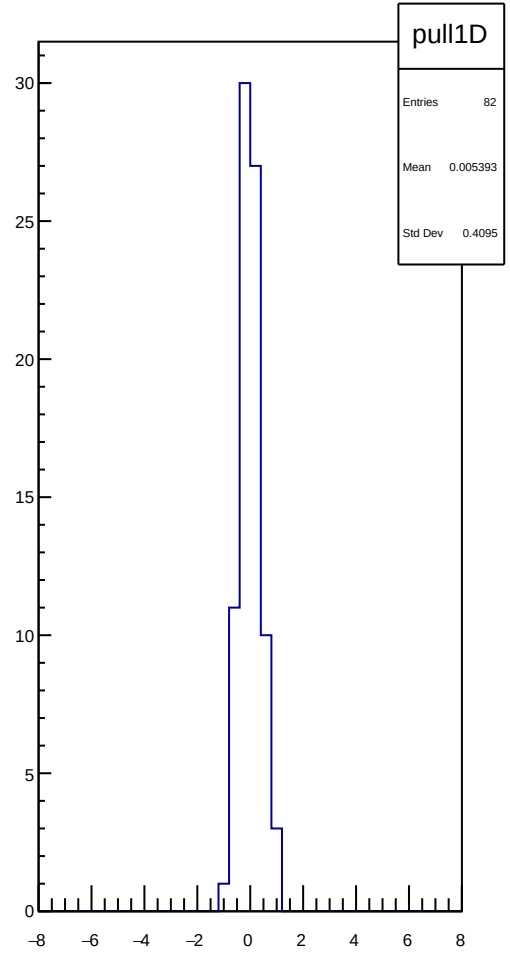

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.37 / 81
p0 4.051 ± 1.177
pull
Entries 82
Mean 220.5
Std Dev 0

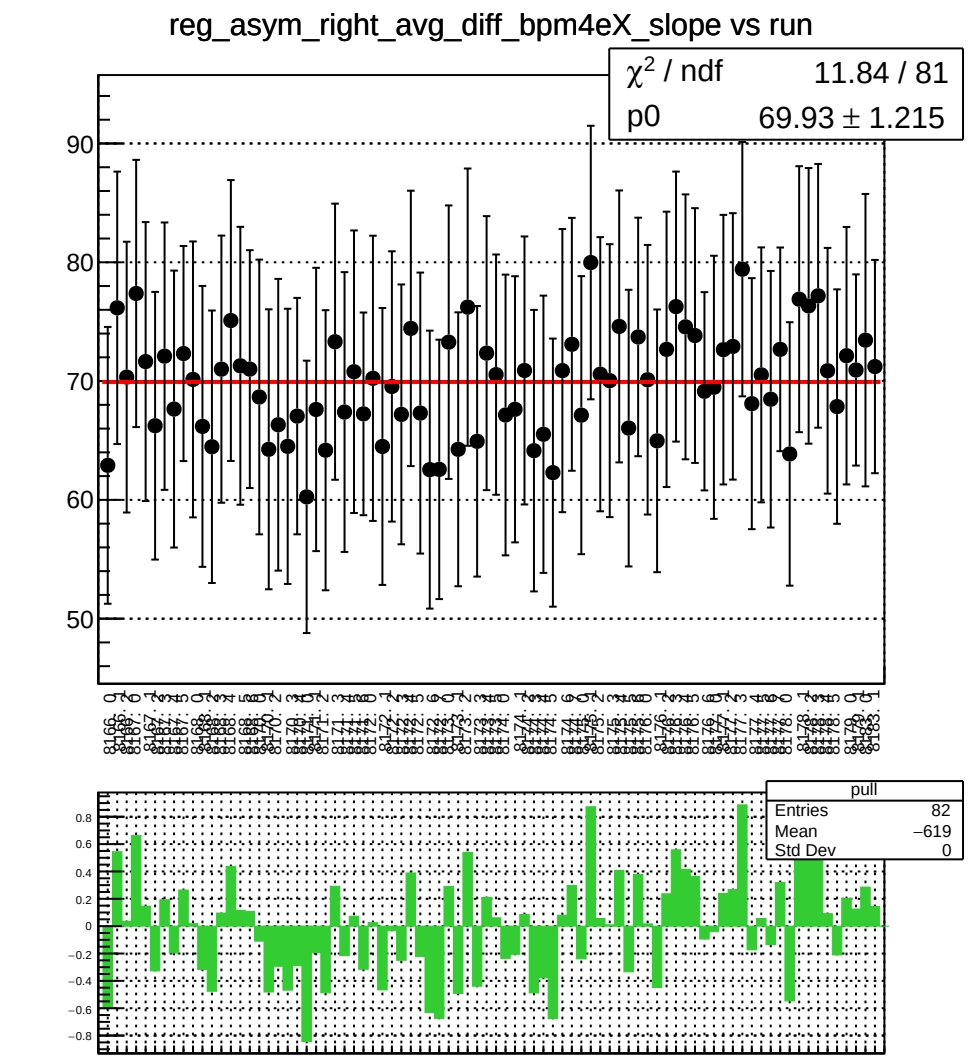

pull1D
Entries 82
Mean 0.005626
Std Dev 0.8721

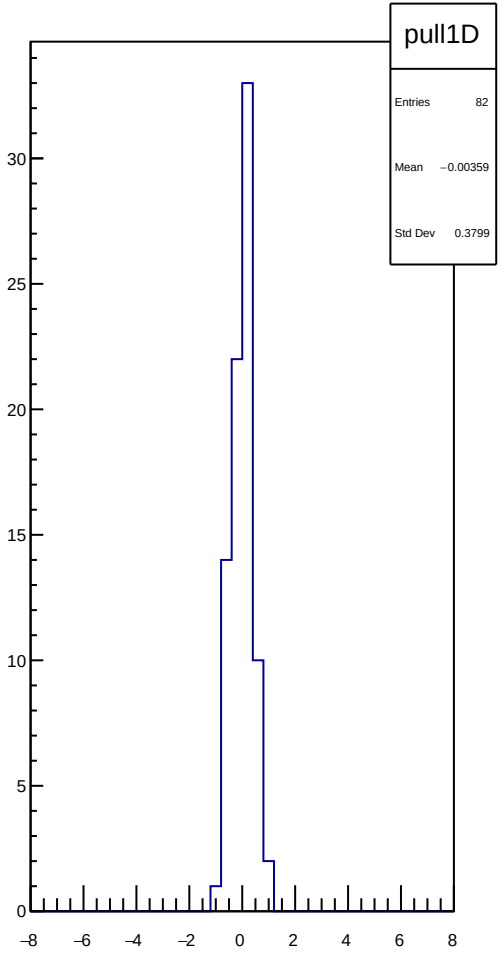

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 127.4 / 81
p0 −20.8 ± 0.0549
pull
Entries 82
Mean −517.9
Std Dev 0
pull1D
Entries 82
Mean −0.03061
Std Dev 1.246

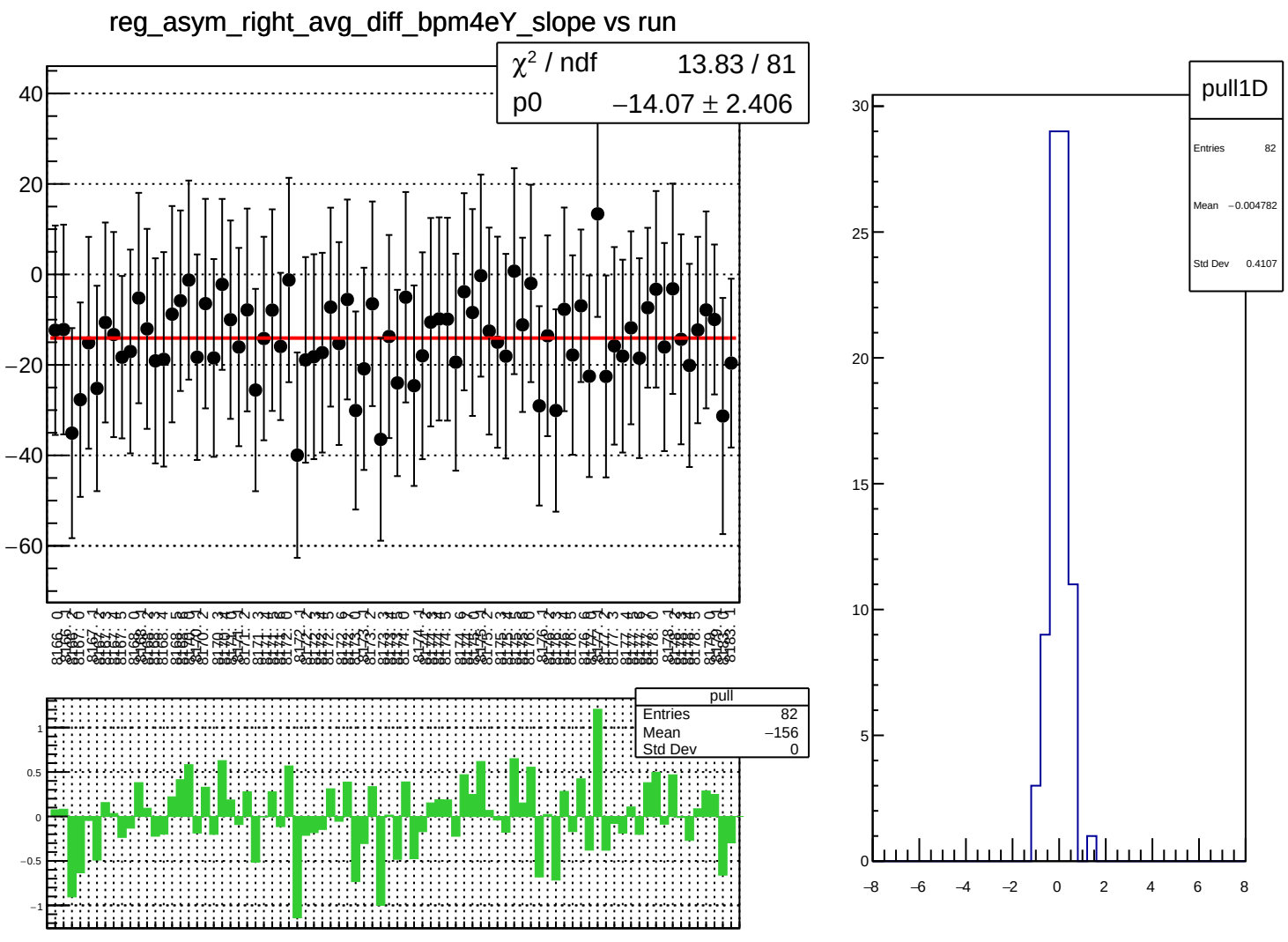

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 11.52 / 81
p0 −45.32 ± 1.213
pull
Entries 82
Mean −738.7
Std Dev 0
pull1D
Entries 82
Mean 0.003427
Std Dev 0.3748

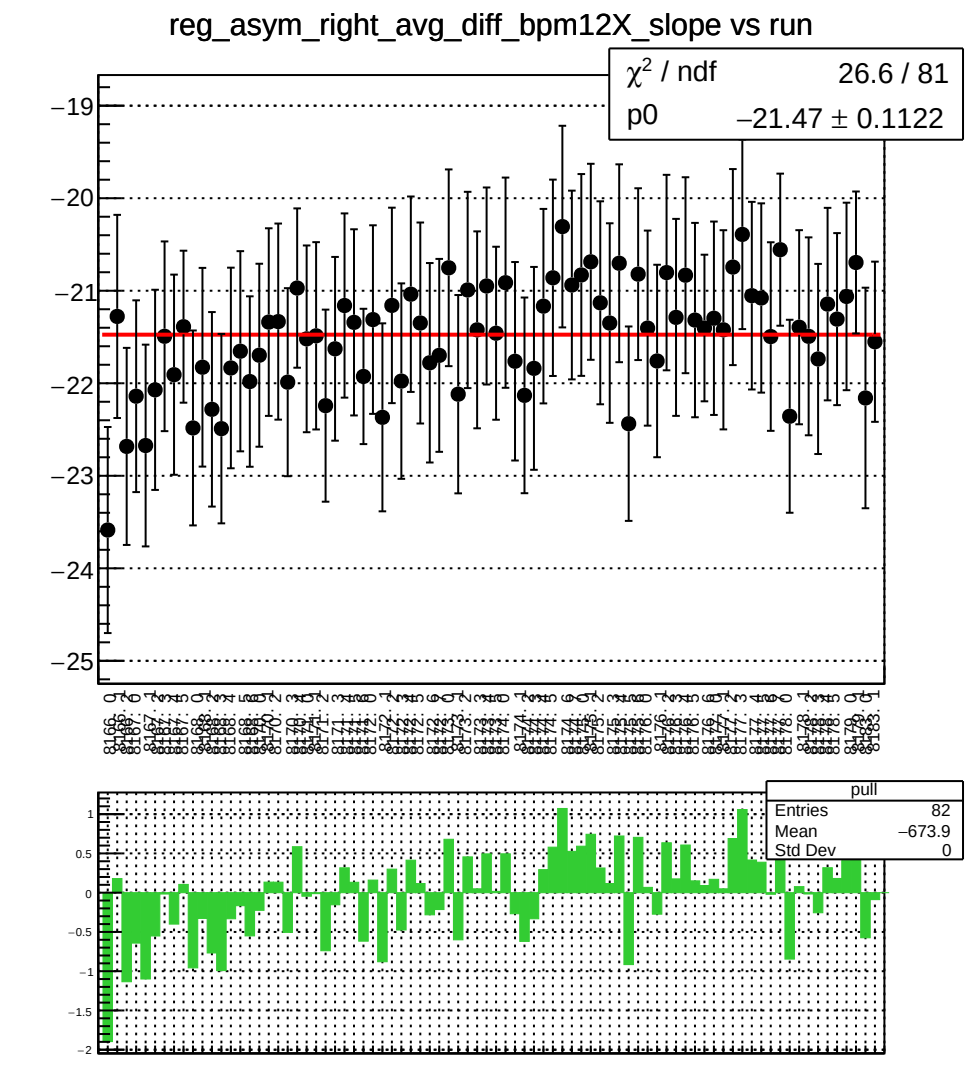

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.75 / 81
p0 21.09 ± 2.249
pull
Entries 82
Mean −134.8
Std Dev 0

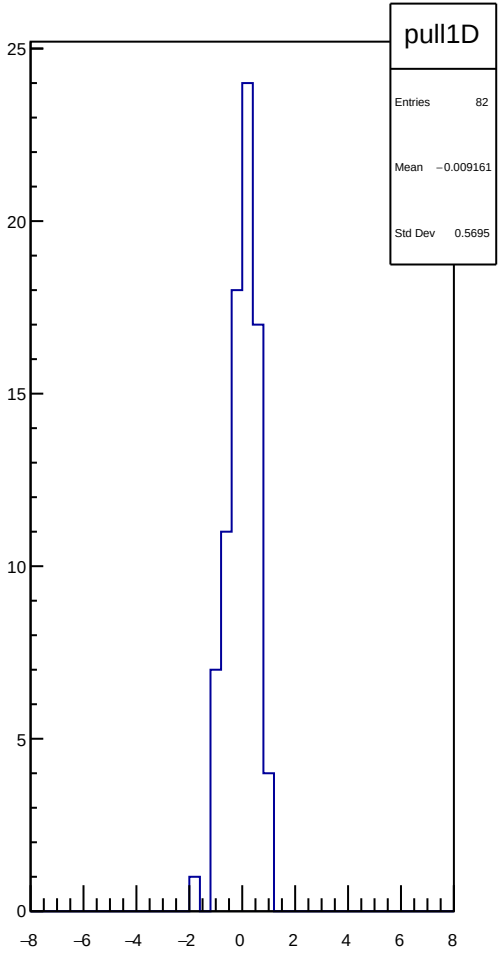

pull1D
Entries 82
Mean 0.005393
Std Dev 0.4095

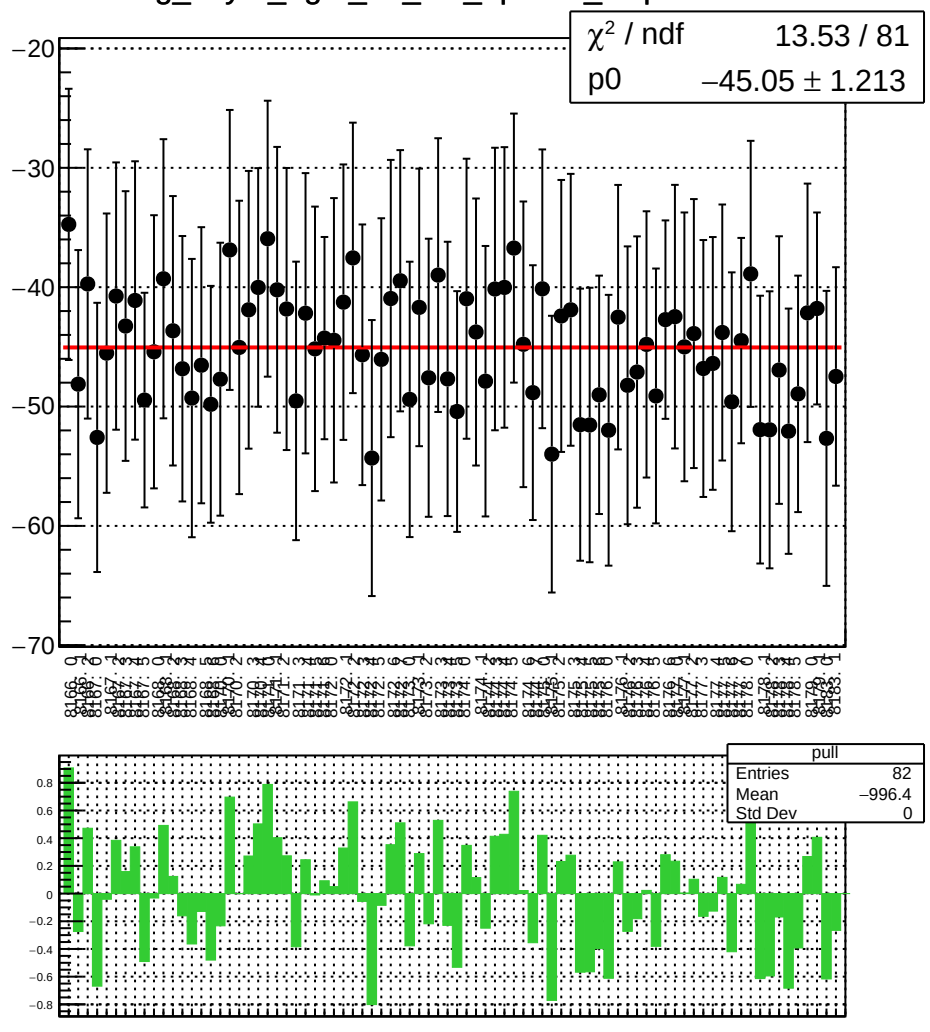

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.84 / 81
p0 69.93 ± 1.215
pull
Entries 82
Mean −619
Std Dev 0

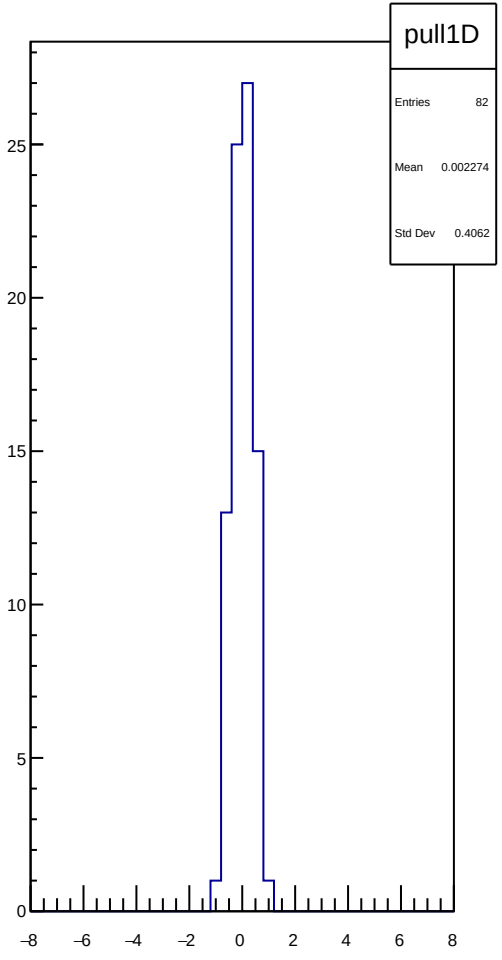

pull1D
Entries 82
Mean −0.00359
Std Dev 0.3799

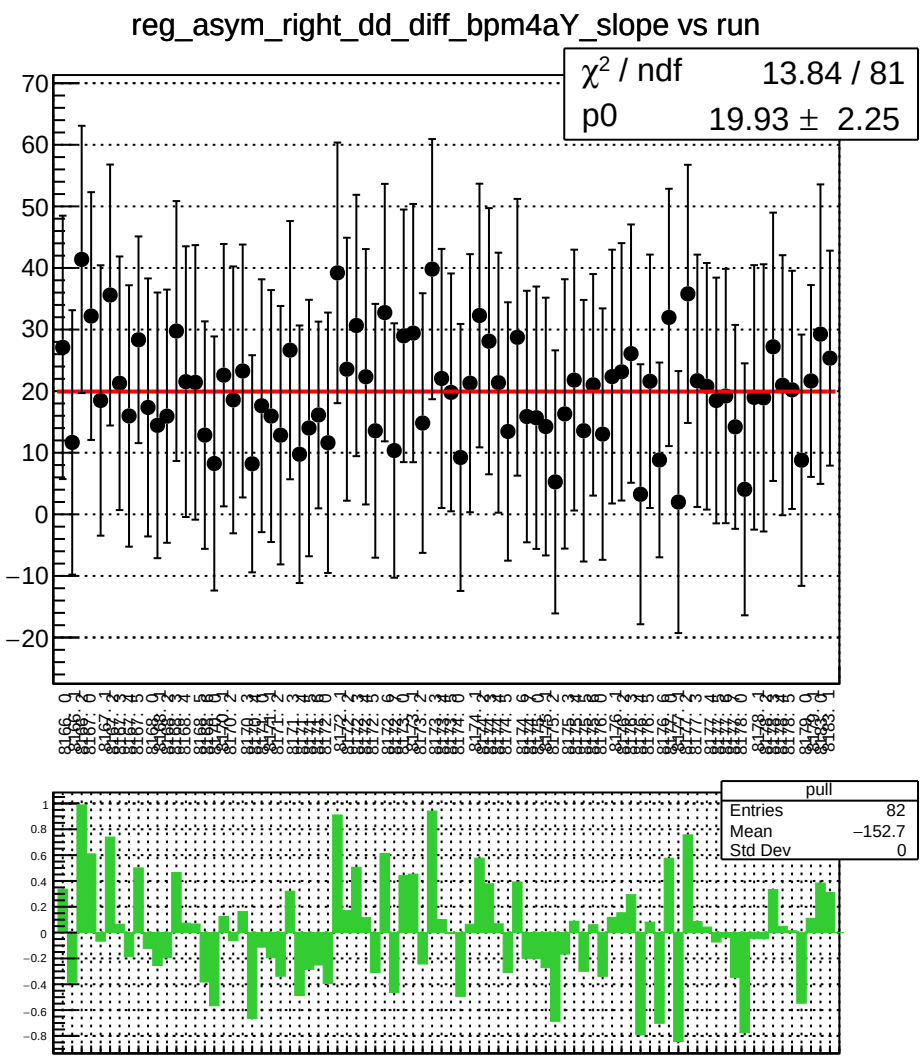

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.83 / 81
p0 −14.07 ± 2.406
pull
Entries 82
Mean −156
Std Dev 0
pull1D
Entries 82
Mean −0.004782
Std Dev 0.4107

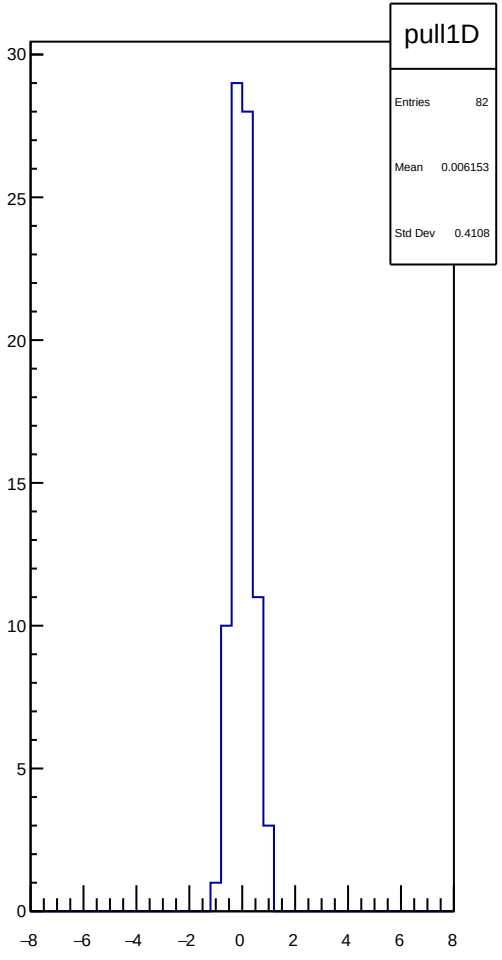

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 26.6 / 81
p0 −21.47 ± 0.1122
pull
Entries 82
Mean −673.9
Std Dev 0

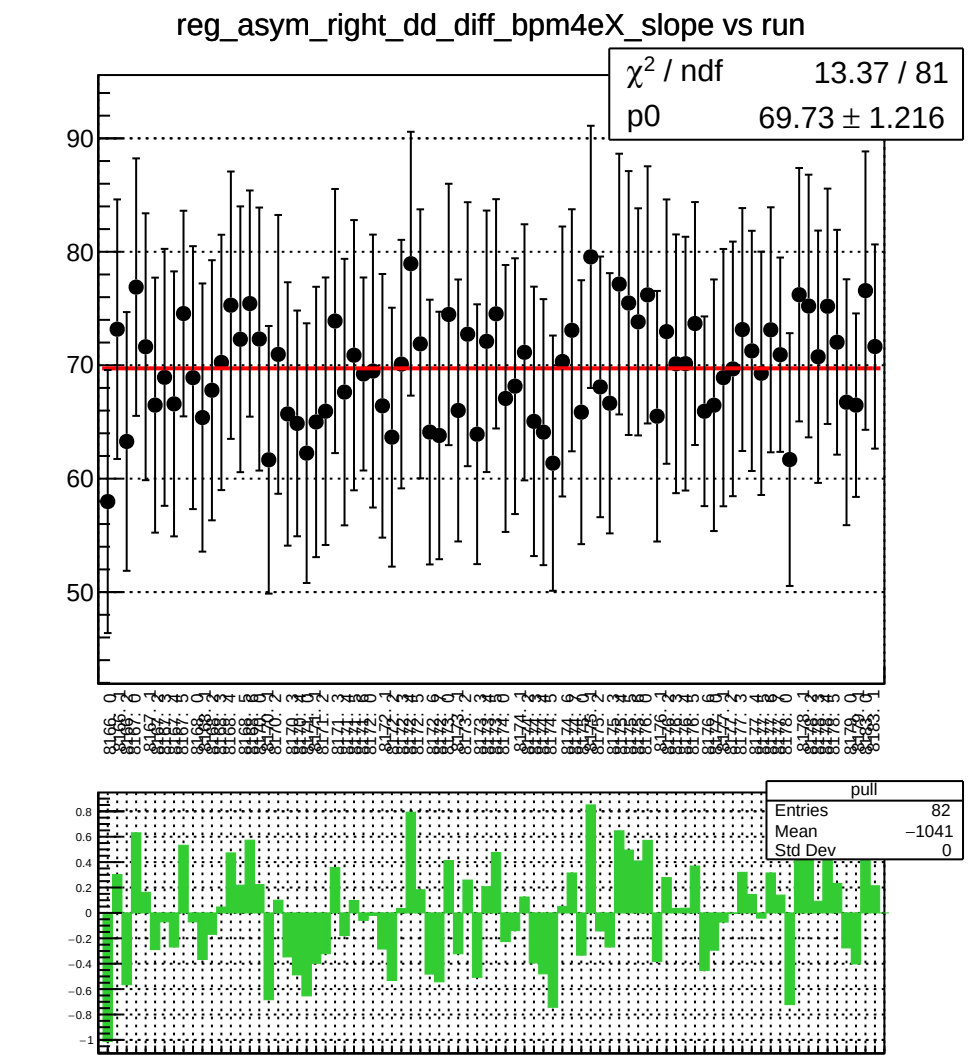

pull1D
Entries 82
Mean −0.009161
Std Dev 0.5695

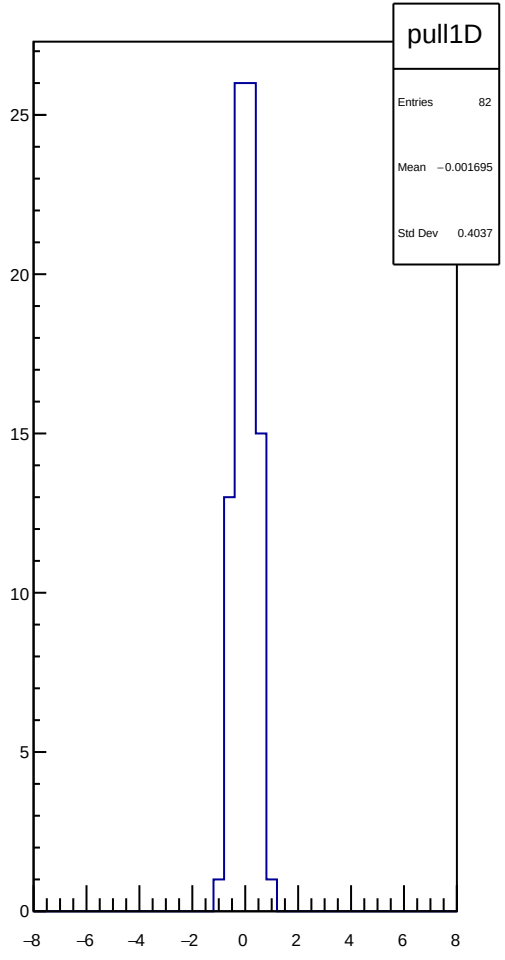

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 13.53 / 81
p0 −45.05 ± 1.213
pull
Entries 82
Mean −996.4
Std Dev 0

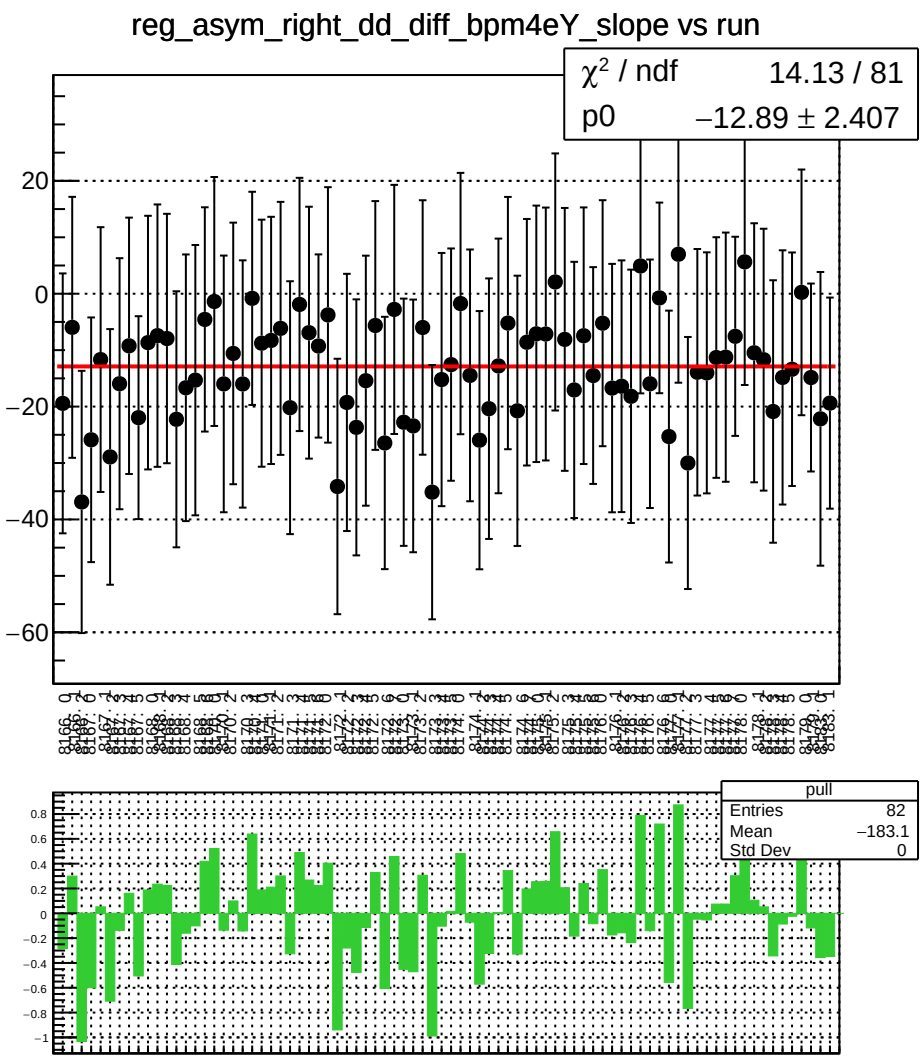

pull1D
Entries 82
Mean 0.002274
Std Dev 0.4062

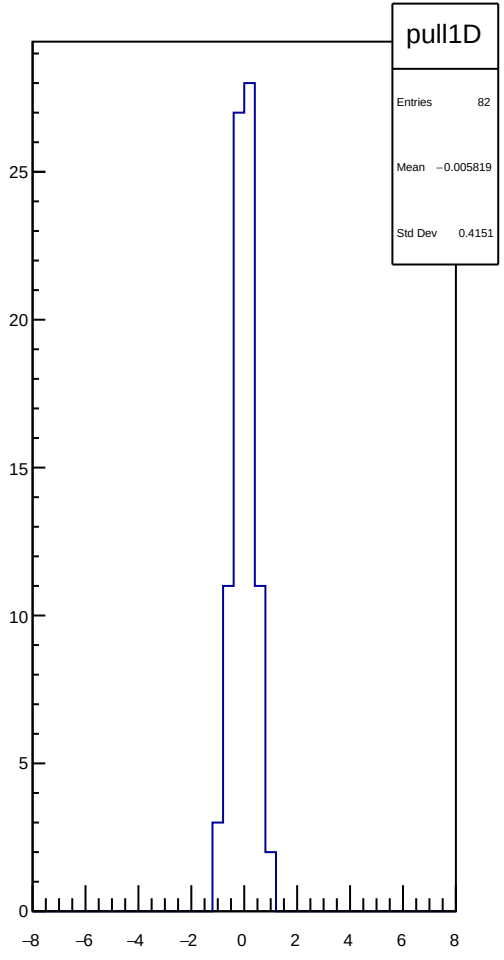

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.84 / 81
p0 19.93 ± 2.25
pull
Entries 82
Mean −152.7
Std Dev 0

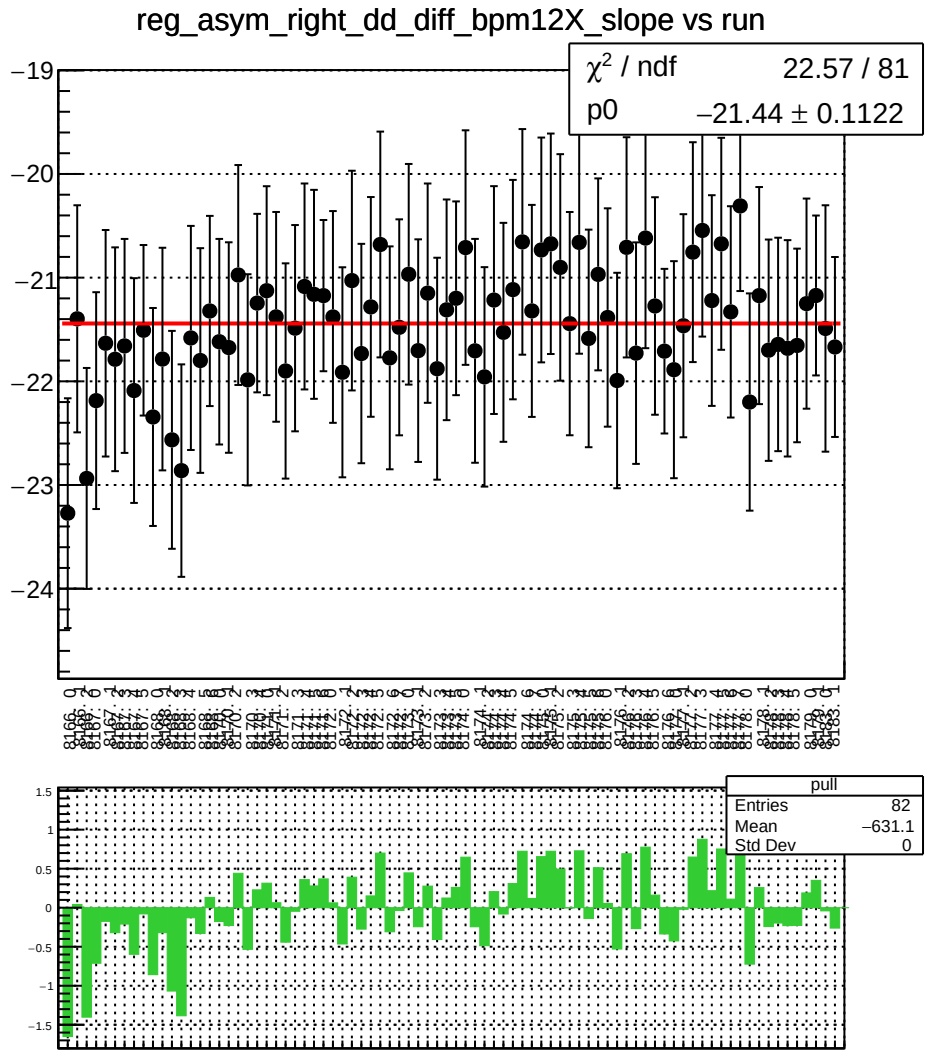

pull1D
Entries 82
Mean 0.006153
Std Dev 0.4108

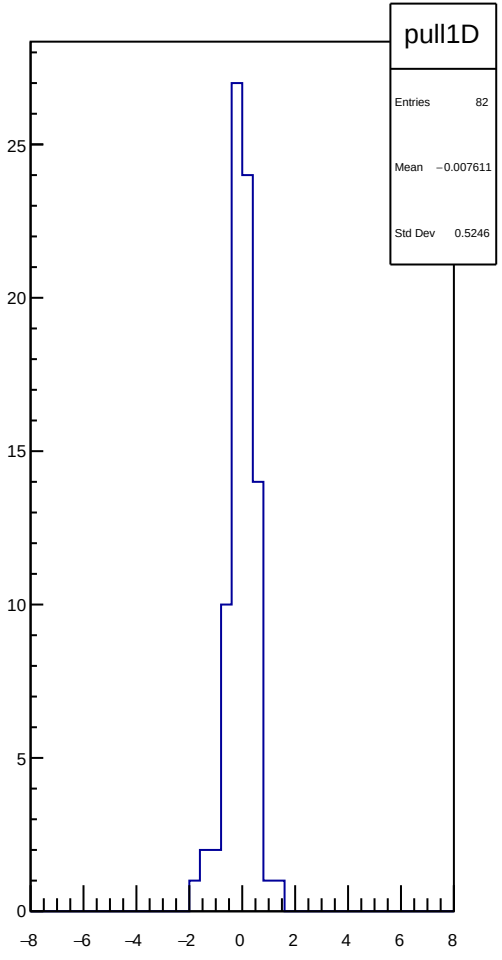

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.37 / 81
p0 69.73 ± 1.216
pull
Entries 82
Mean −1041
Std Dev 0

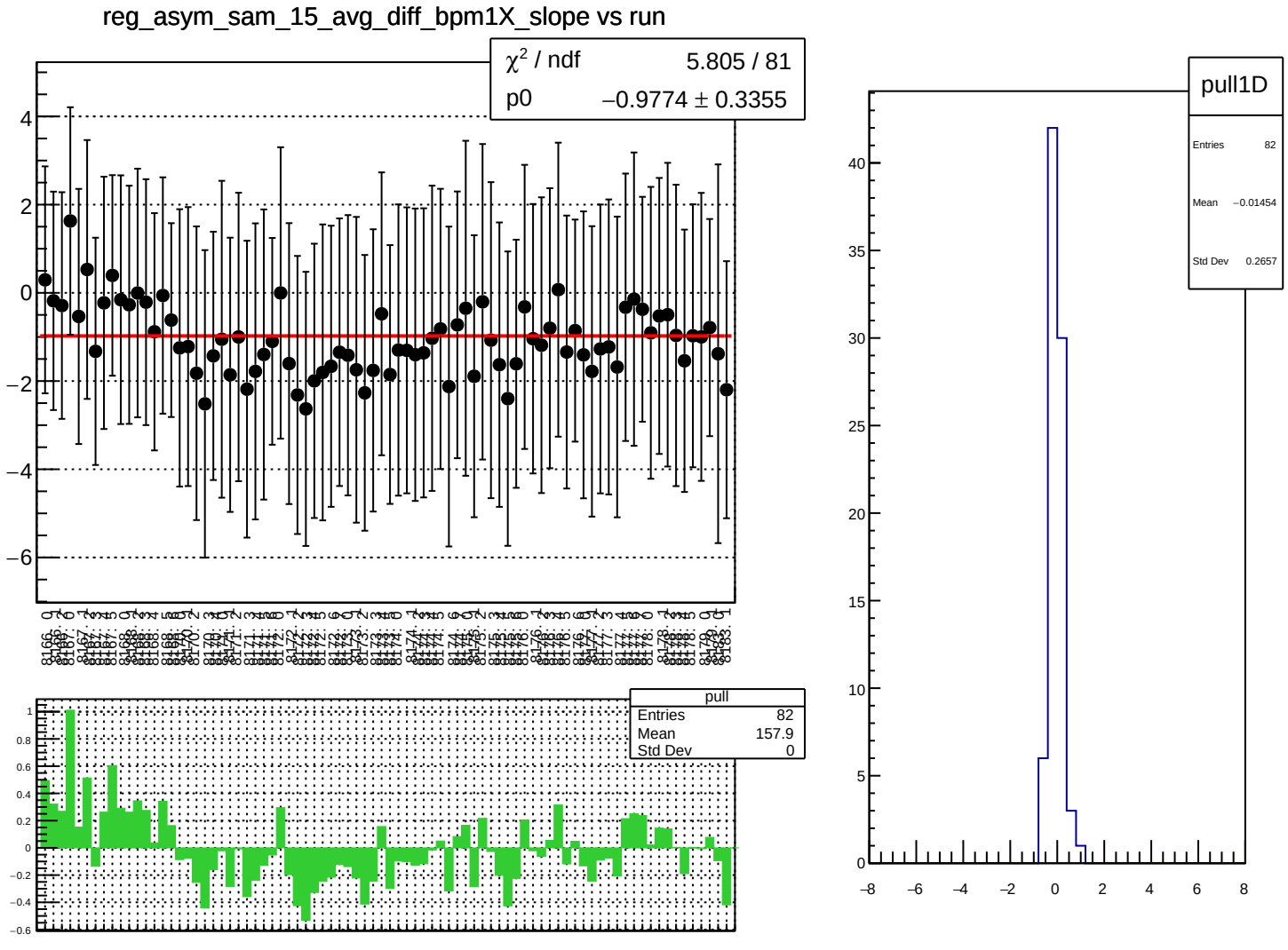

pull1D
Entries 82
Mean −0.001695
Std Dev 0.4037

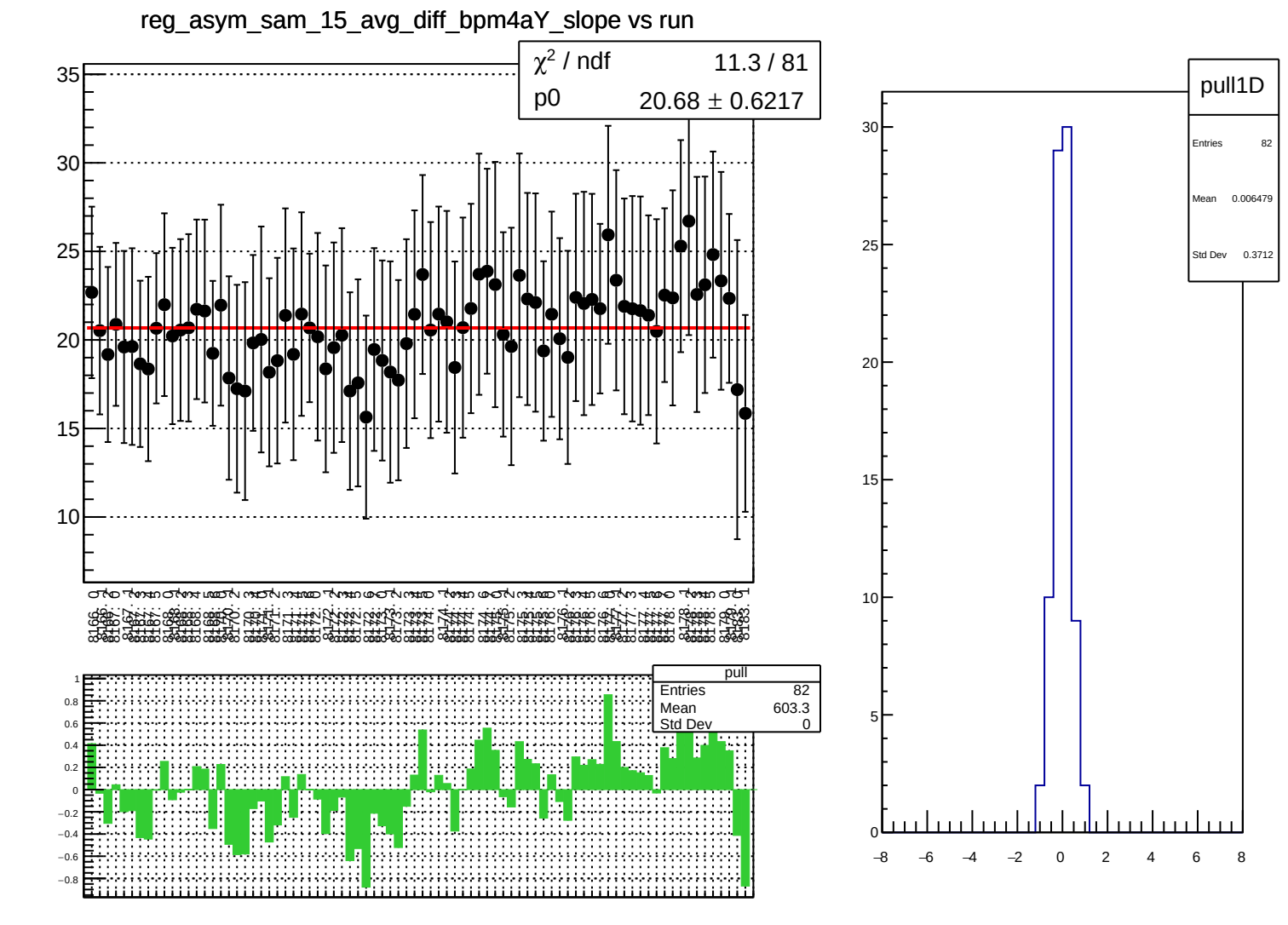

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.13 / 81
p0 −12.89 ± 2.407
20
0
−20
−40
−60
pull
Entries 82
Mean −183.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

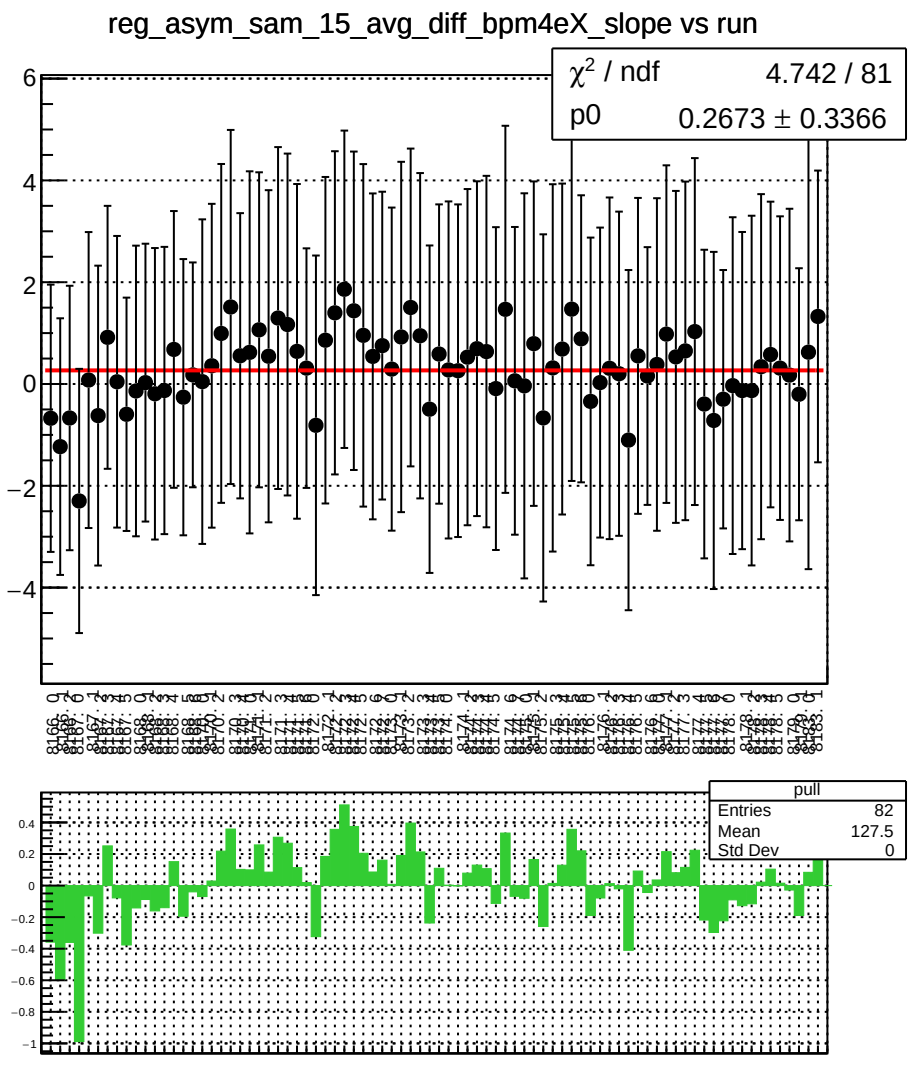

pull1D
Entries 82
Mean −0.005819
Std Dev 0.4151
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

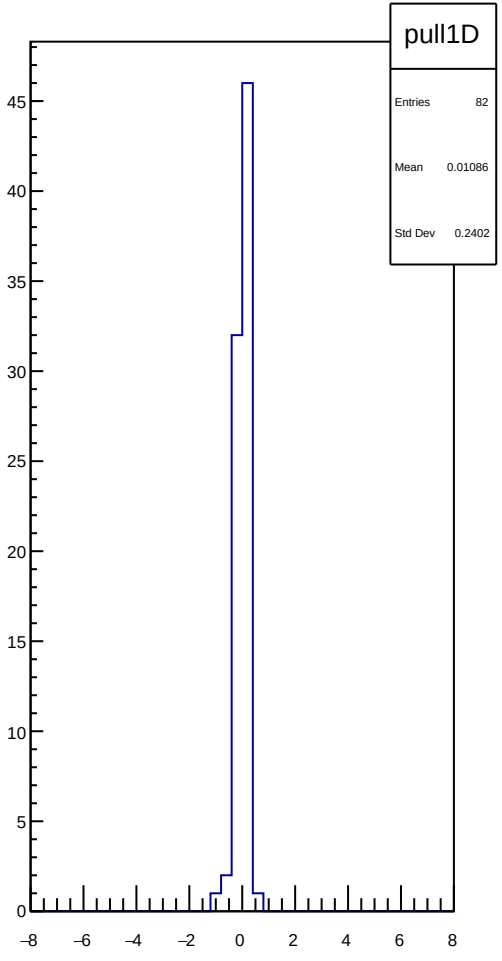

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 22.57 / 81
p0 −21.44 ± 0.1122
pull
Entries 82
Mean −631.1
Std Dev 0

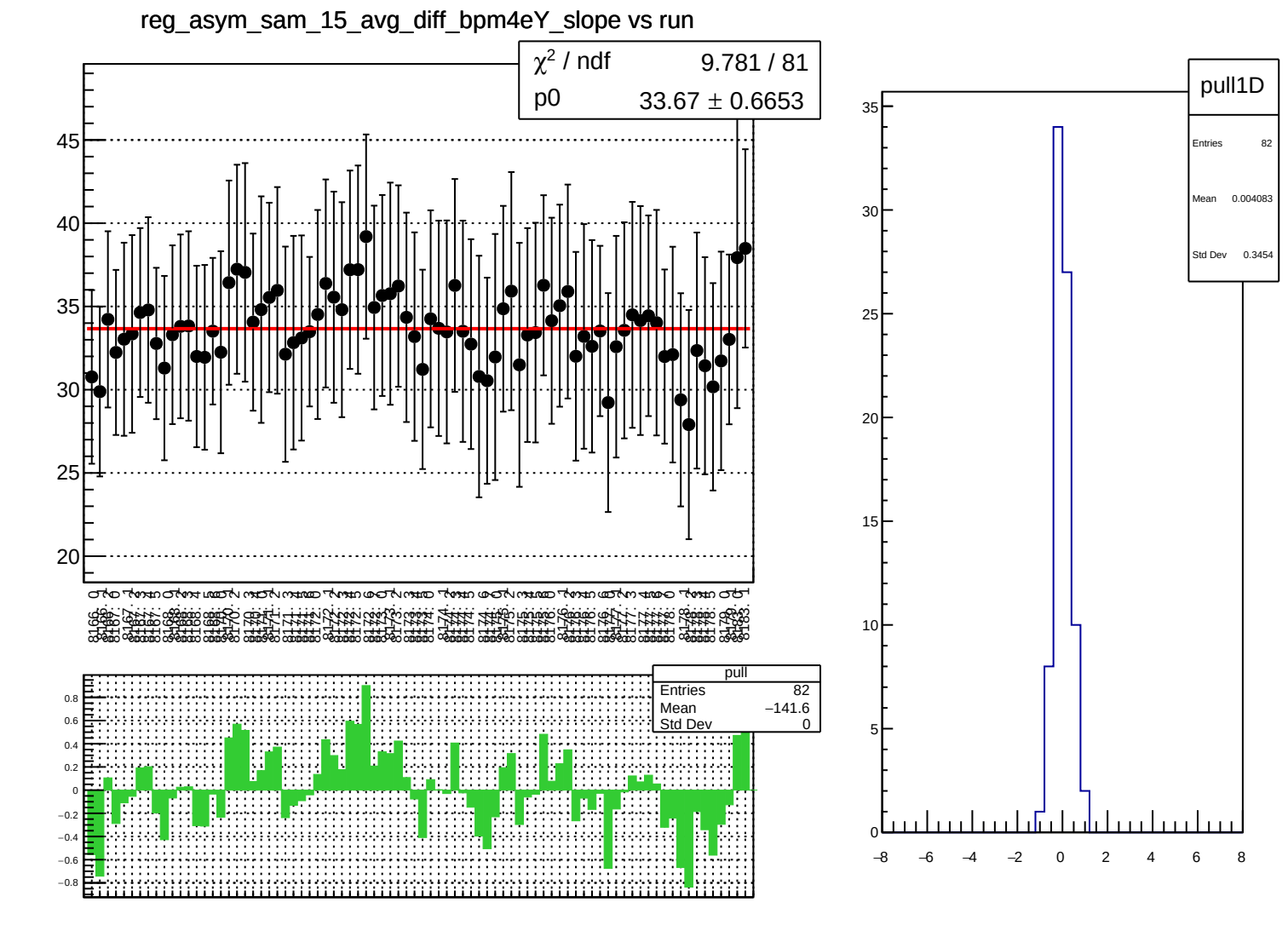

pull1D
Entries 82
Mean −0.007611
Std Dev 0.5246

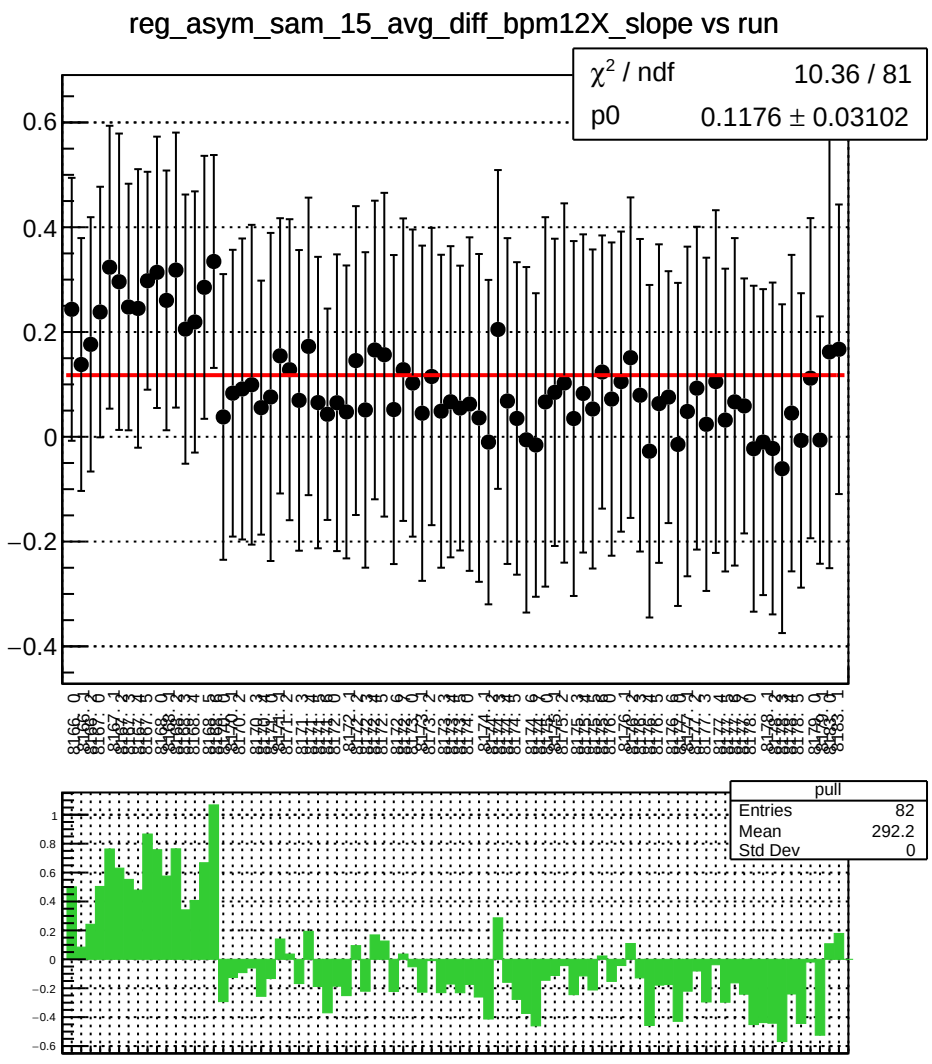

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 5.805 / 81
p0 −0.9774 ± 0.3355
pull
Entries 82
Mean 157.9
Std Dev 0
pull1D
Entries 82
Mean −0.01454
Std Dev 0.2657

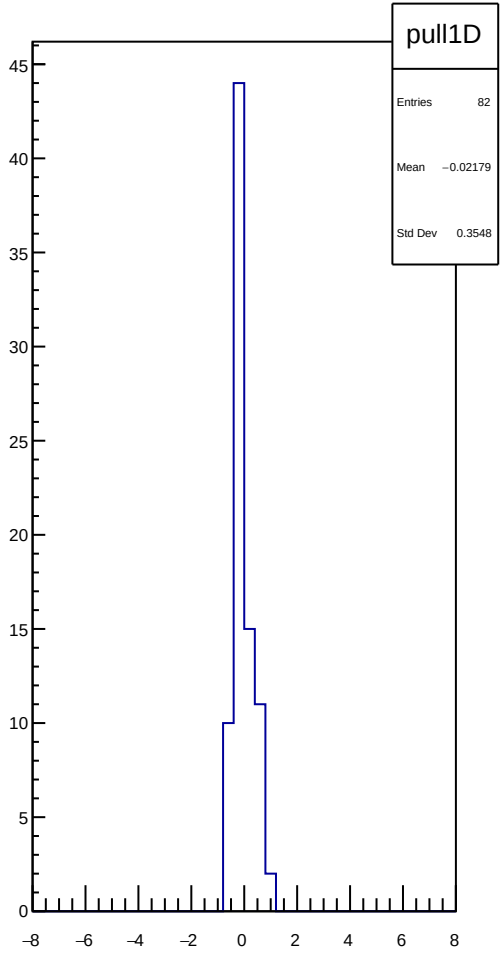

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.3 / 81
p0 20.68 ± 0.6217
pull
Entries 82
Mean 603.3
Std Dev 0
pull1D
Entries 82
Mean 0.006479
Std Dev 0.3712

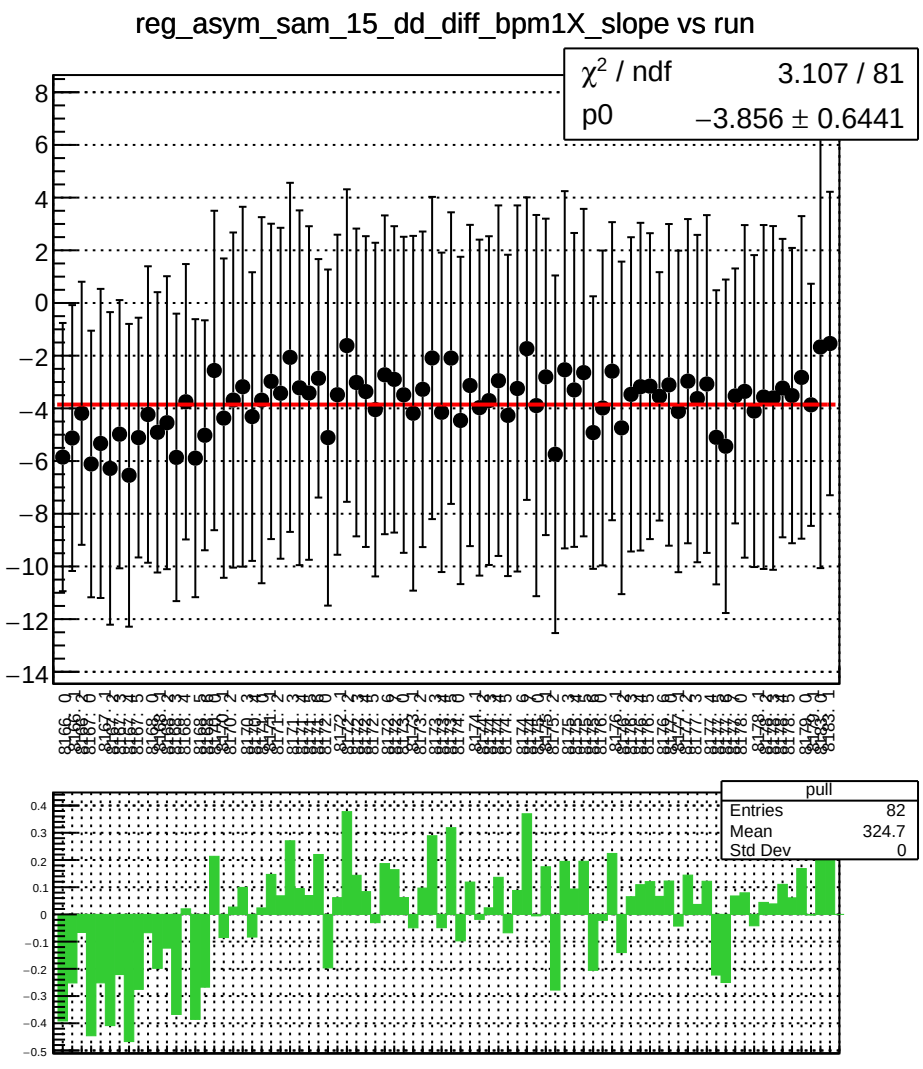

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.742 / 81
p0 0.2673 ± 0.3366
pull
Entries 82
Mean 127.5
Std Dev 0

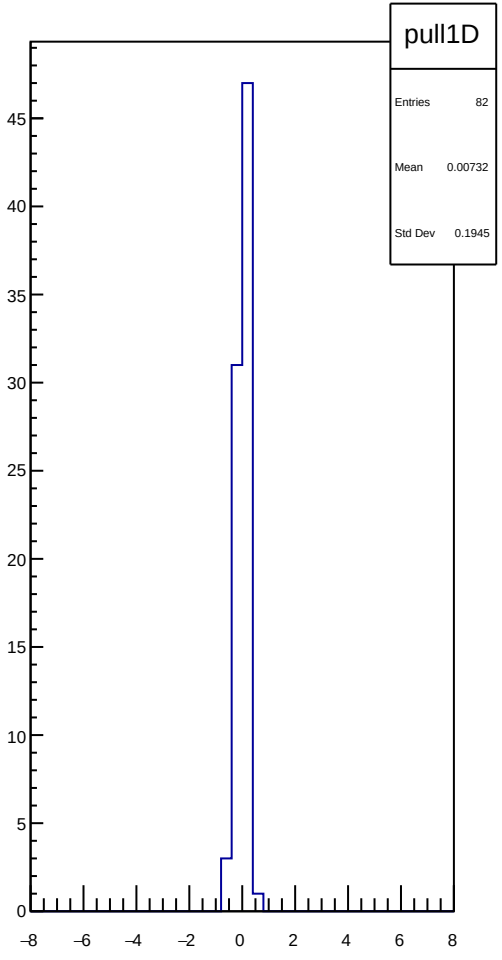

pull1D
Entries 82
Mean 0.01086
Std Dev 0.2402

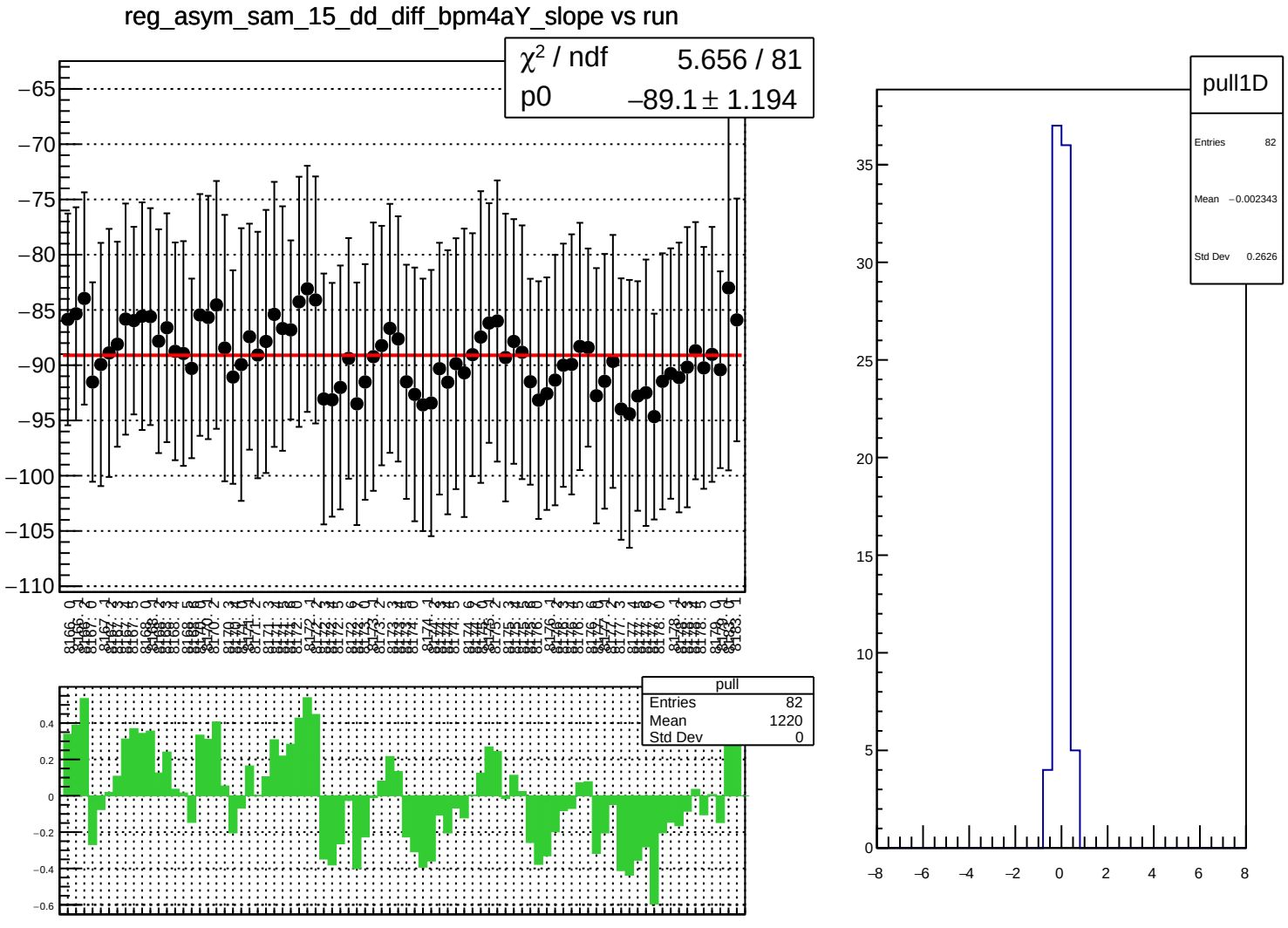

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.781 / 81
p0 33.67 ± 0.6653
pull
Entries 82
Mean −141.6
Std Dev 0
pull1D
Entries 82
Mean 0.004083
Std Dev 0.3454

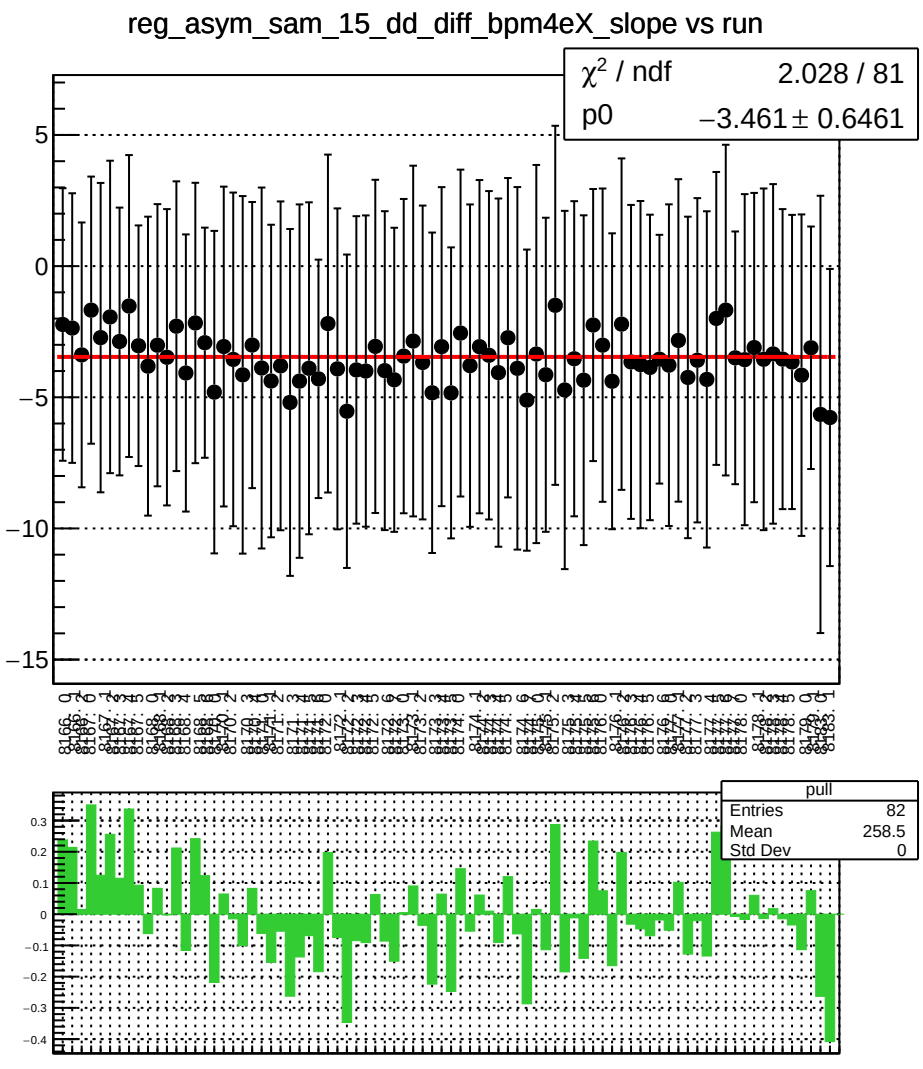

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 10.36 / 81
p0 0.1176 ± 0.03102
pull
Entries 82
Mean 292.2
Std Dev 0

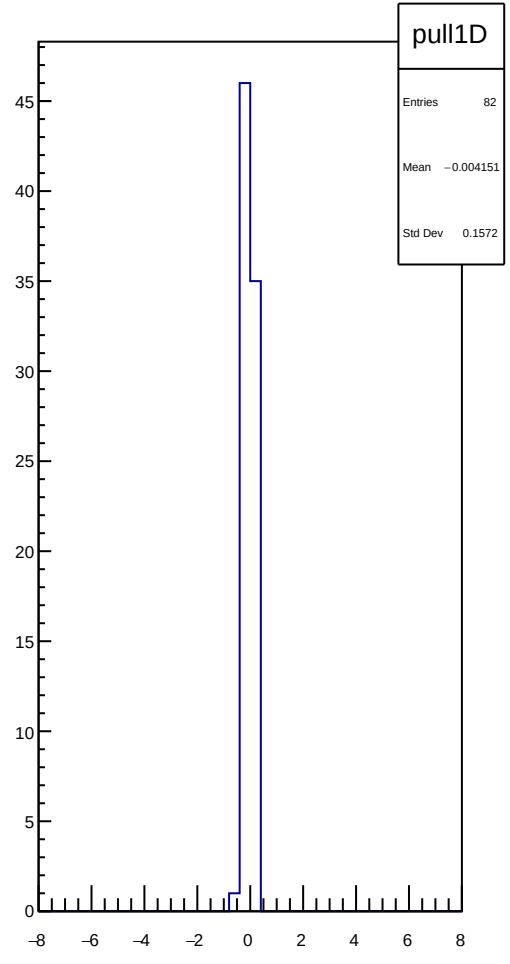

pull1D
Entries 82
Mean −0.02179
Std Dev 0.3548

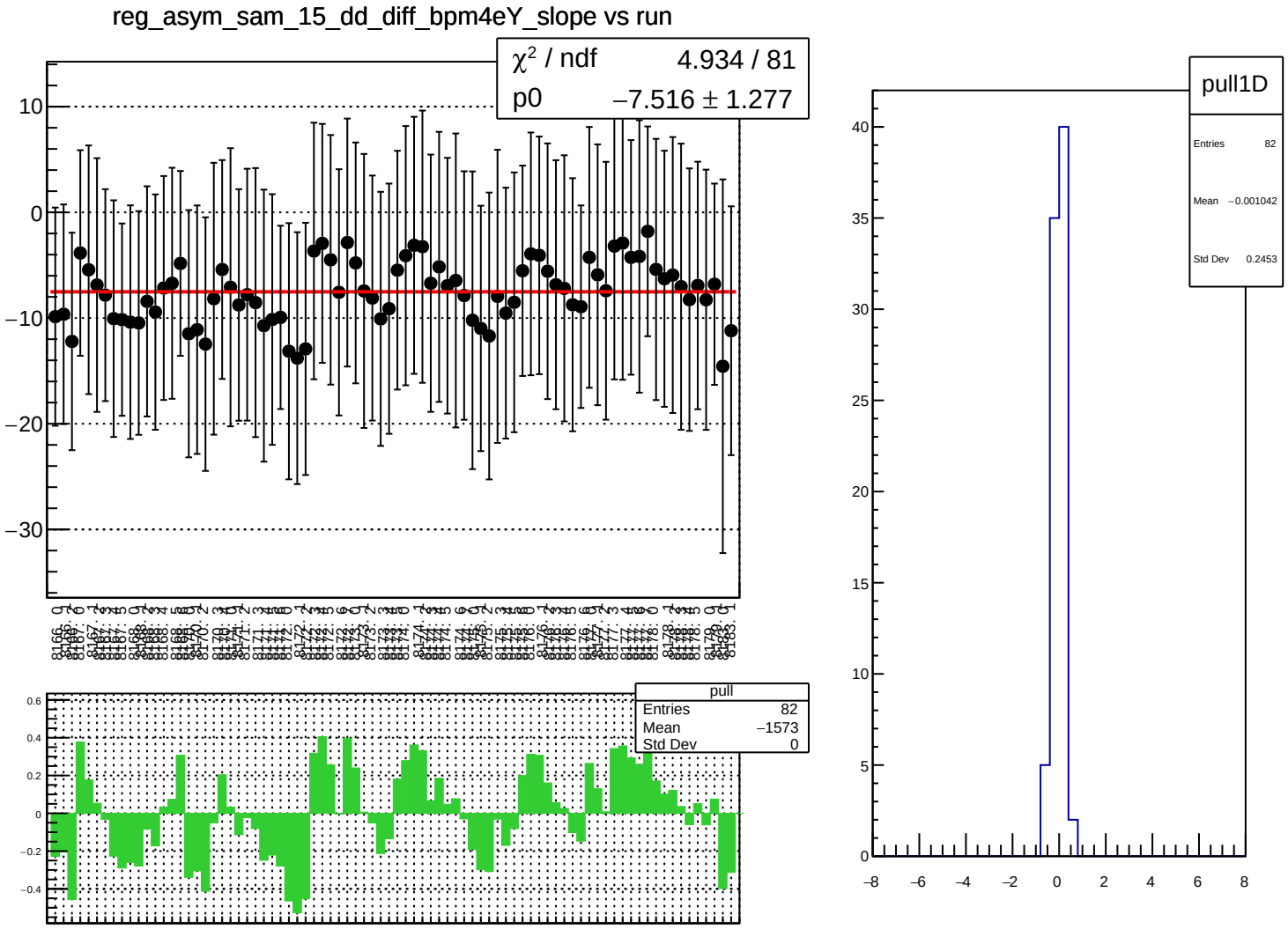

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.107 / 81
p0 −3.856 ± 0.6441
pull
Entries 82
Mean 324.7
Std Dev 0

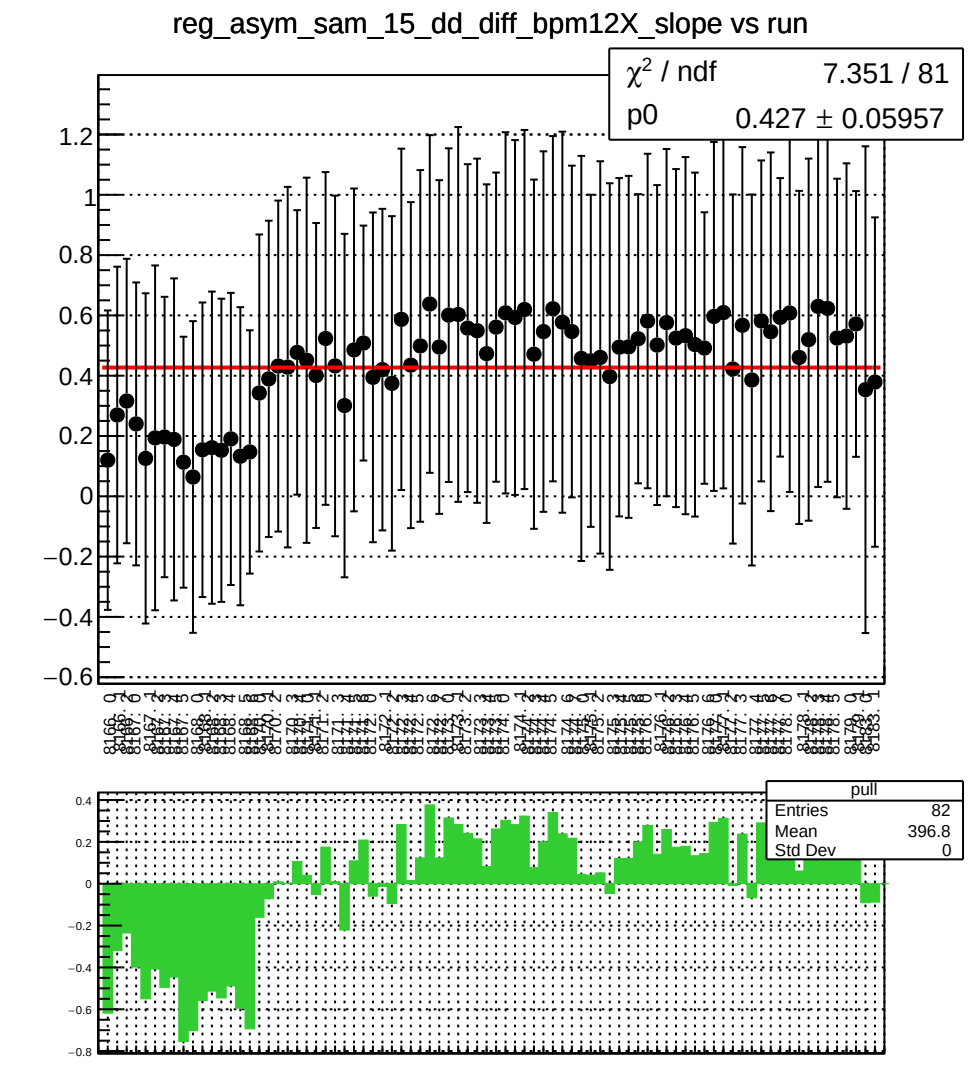

pull1D
Entries 82
Mean 0.00732
Std Dev 0.1945

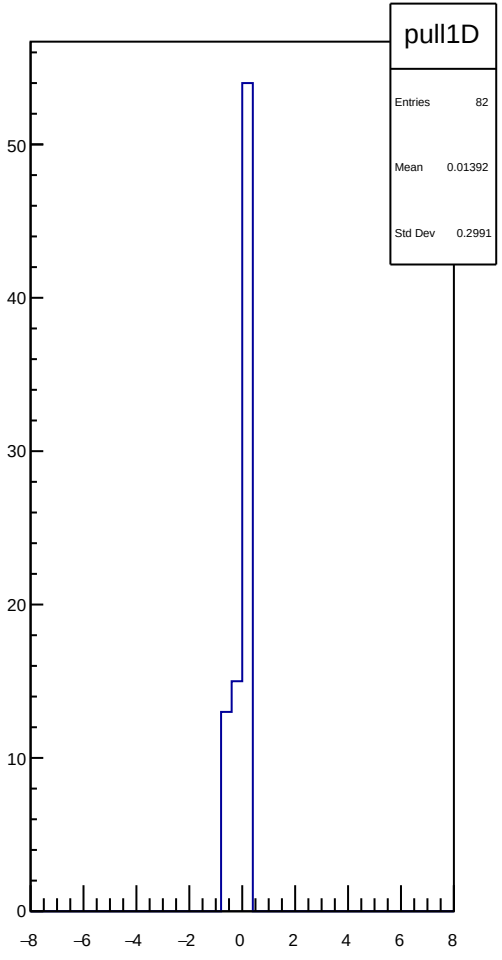

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.656 / 81
p0 −89.1 ± 1.194
pull
Entries 82
Mean 1220
Std Dev 0
pull1D
Entries 82
Mean −0.002343
Std Dev 0.2626

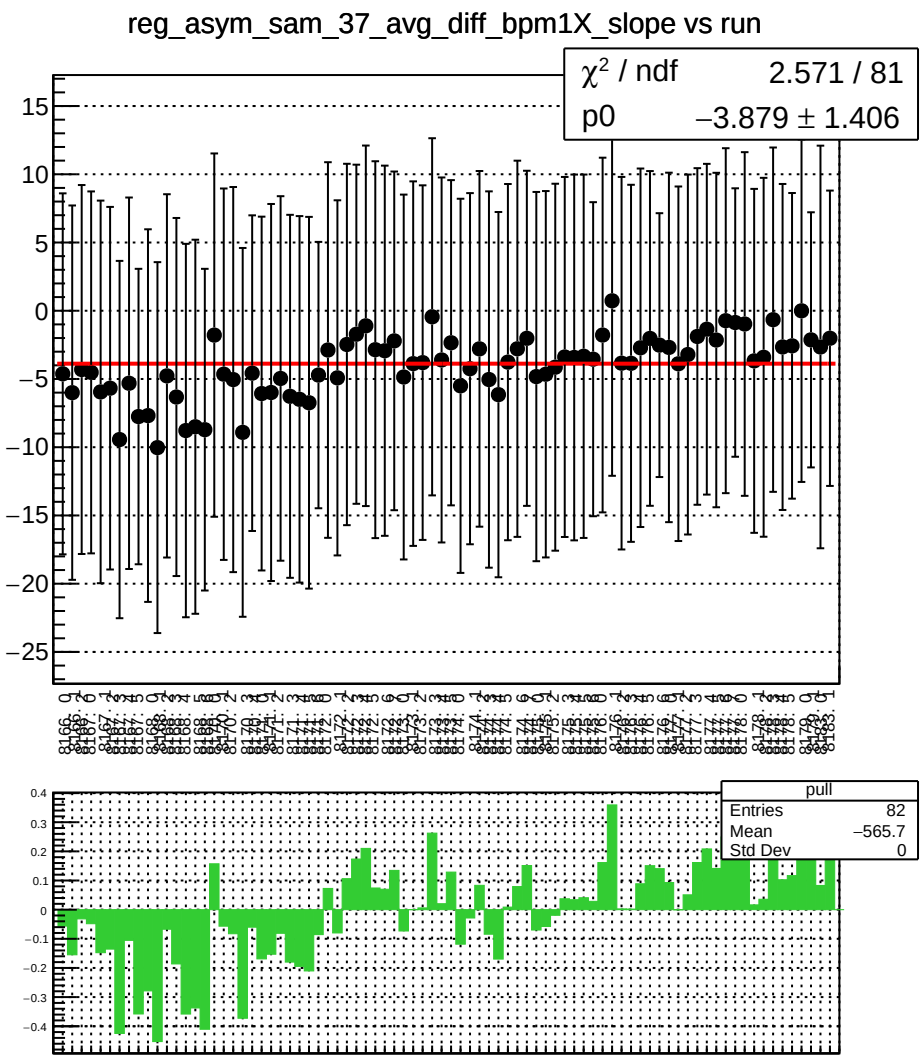

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.028 / 81
p0 −3.461 ± 0.6461
pull
Entries 82
Mean 258.5
Std Dev 0

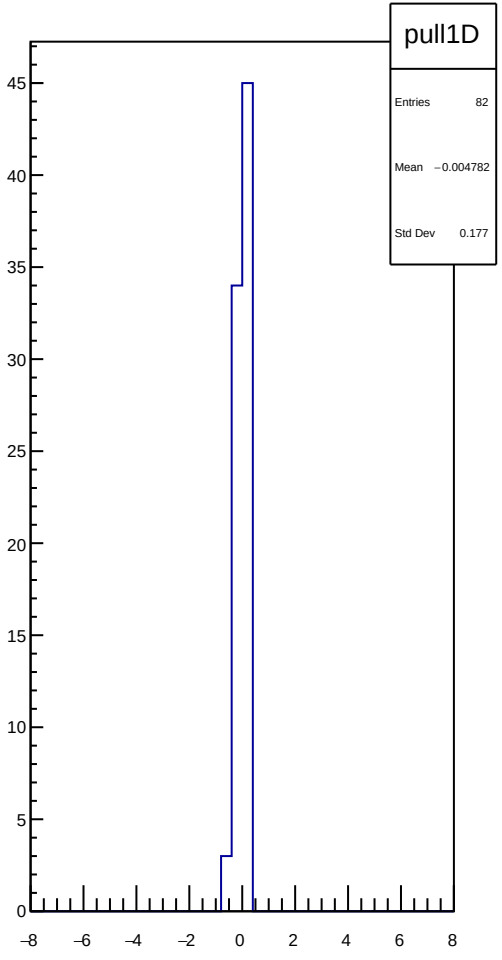

pull1D
Entries 82
Mean −0.004151
Std Dev 0.1572

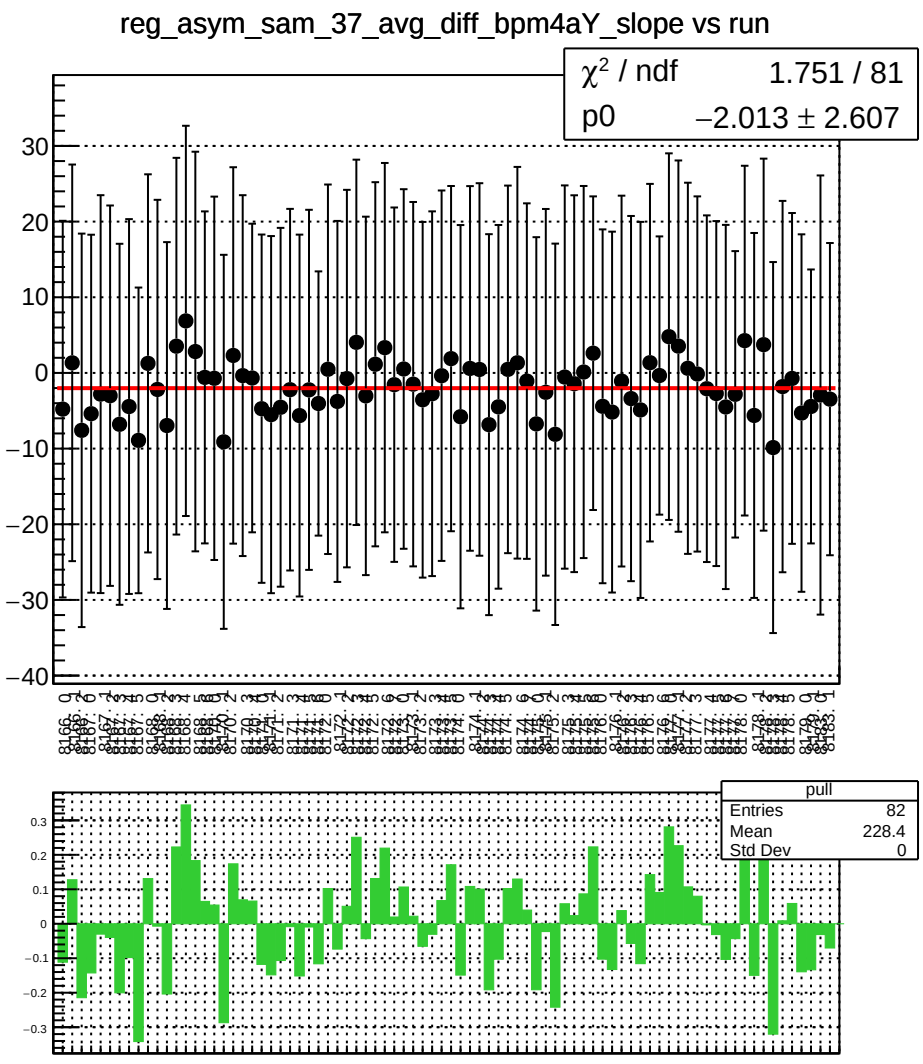

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.934 / 81
p0 −7.516 ± 1.277
pull
Entries 82
Mean −1573
Std Dev 0
pull1D
Entries 82
Mean −0.001042
Std Dev 0.2453

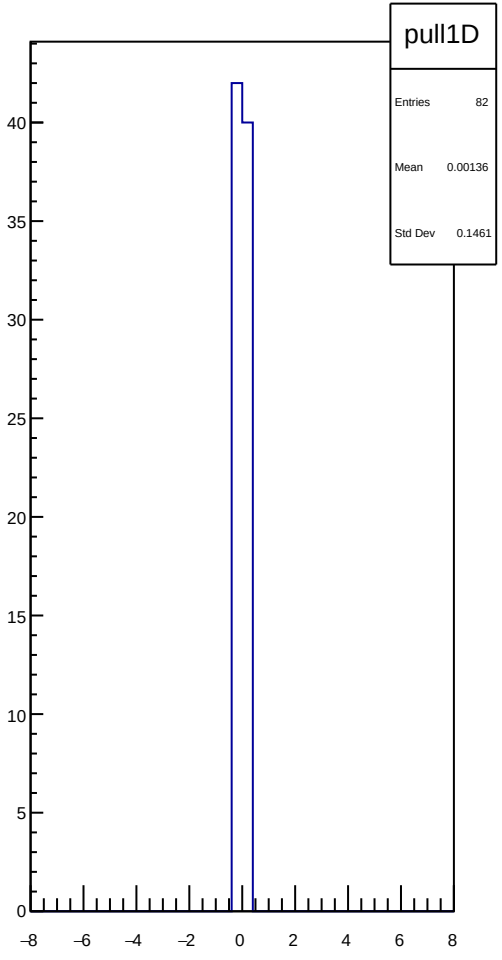

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 7.351 / 81
p0 0.427 ± 0.05957
pull
Entries 82
Mean 396.8
Std Dev 0

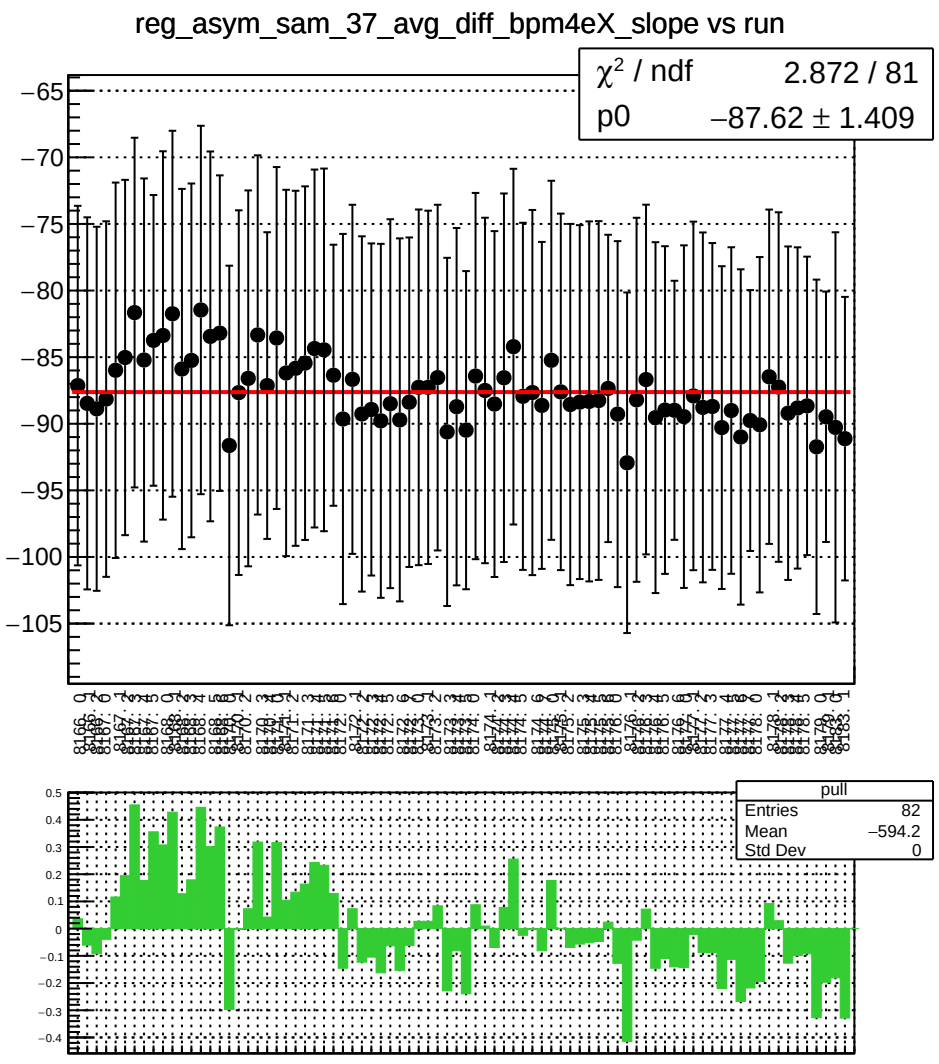

pull1D
Entries 82
Mean 0.01392
Std Dev 0.2991

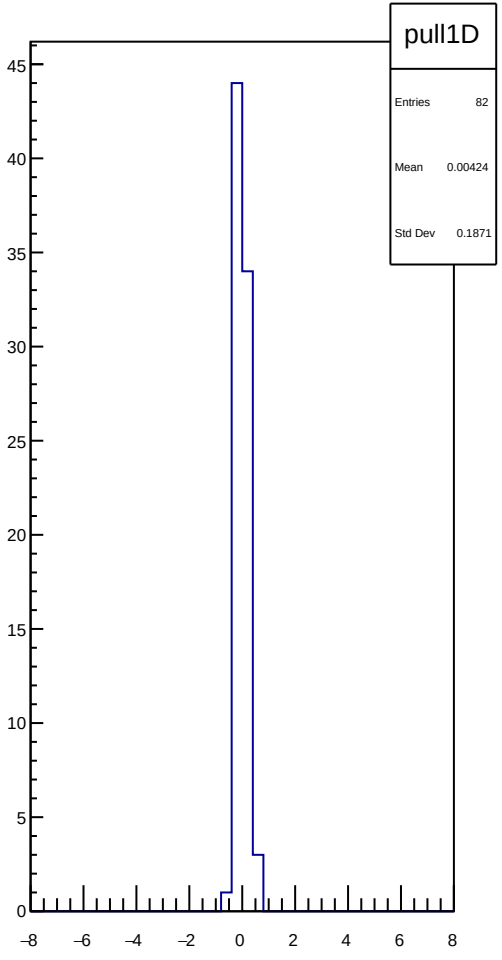

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 2.571 / 81
p0 −3.879 ± 1.406
pull
Entries 82
Mean −565.7
Std Dev 0

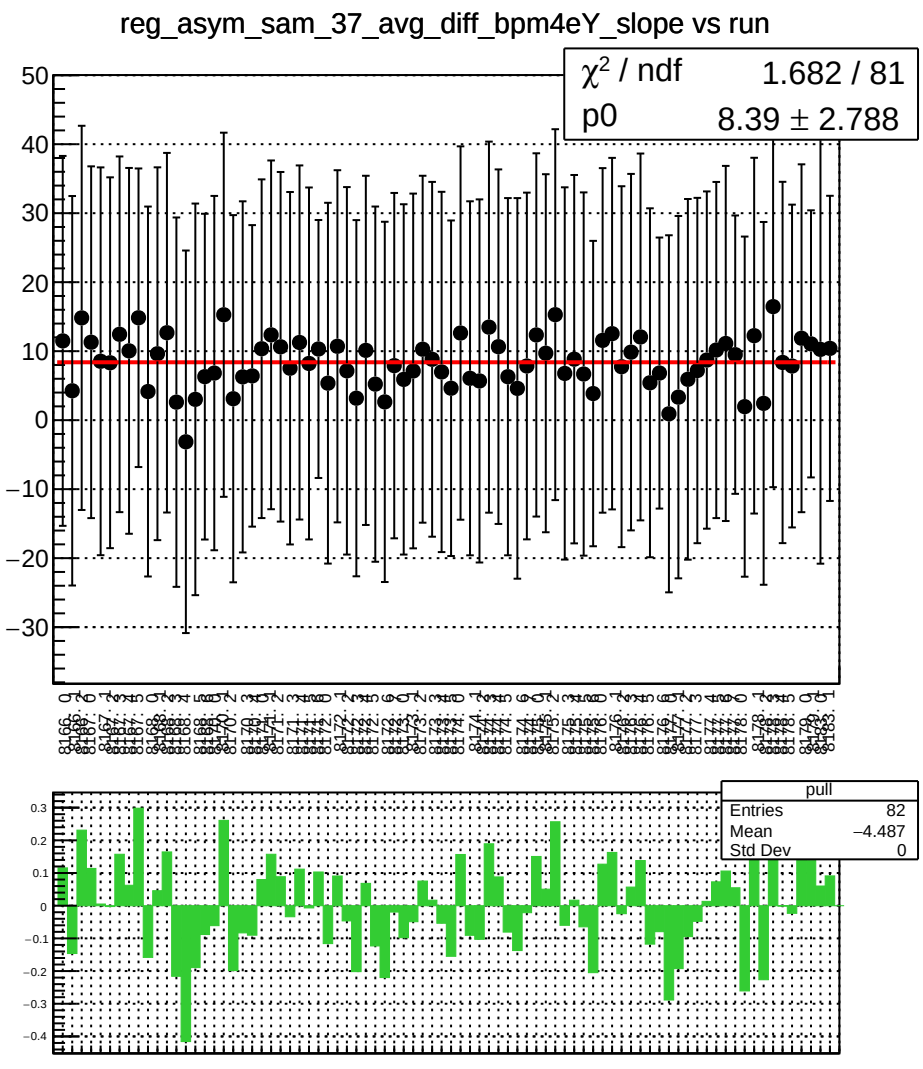

pull1D
Entries 82
Mean −0.004782
Std Dev 0.177

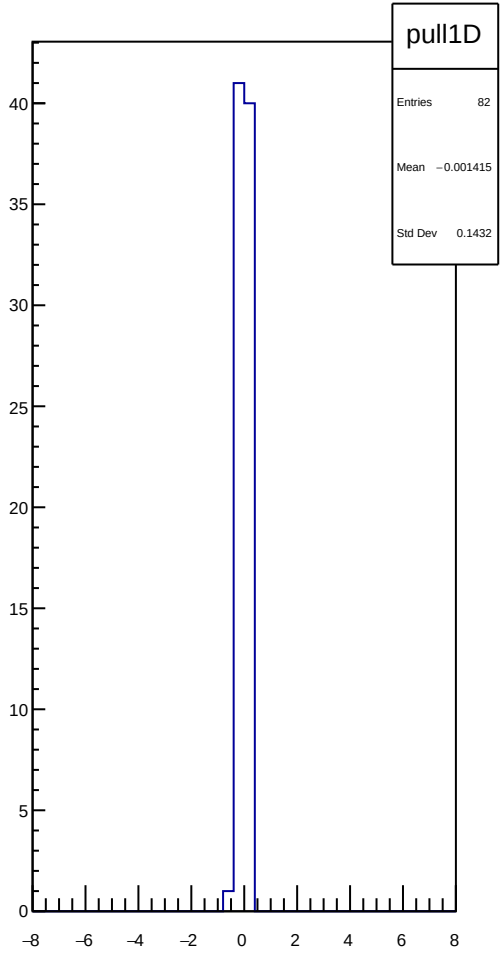

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.751 / 81
p0 −2.013 ± 2.607
pull
Entries 82
Mean 228.4
Std Dev 0

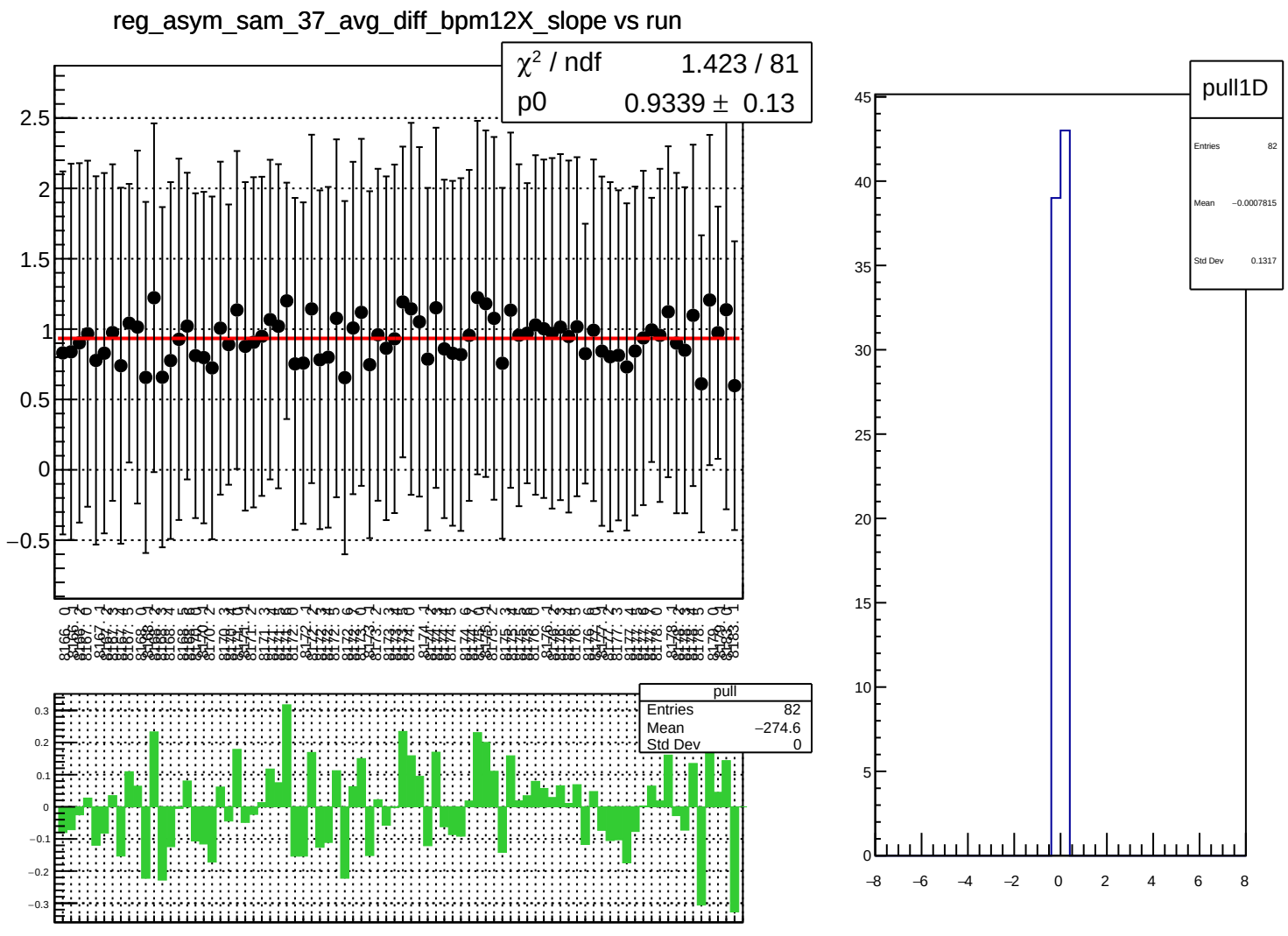

pull1D
Entries 82
Mean 0.00136
Std Dev 0.1461

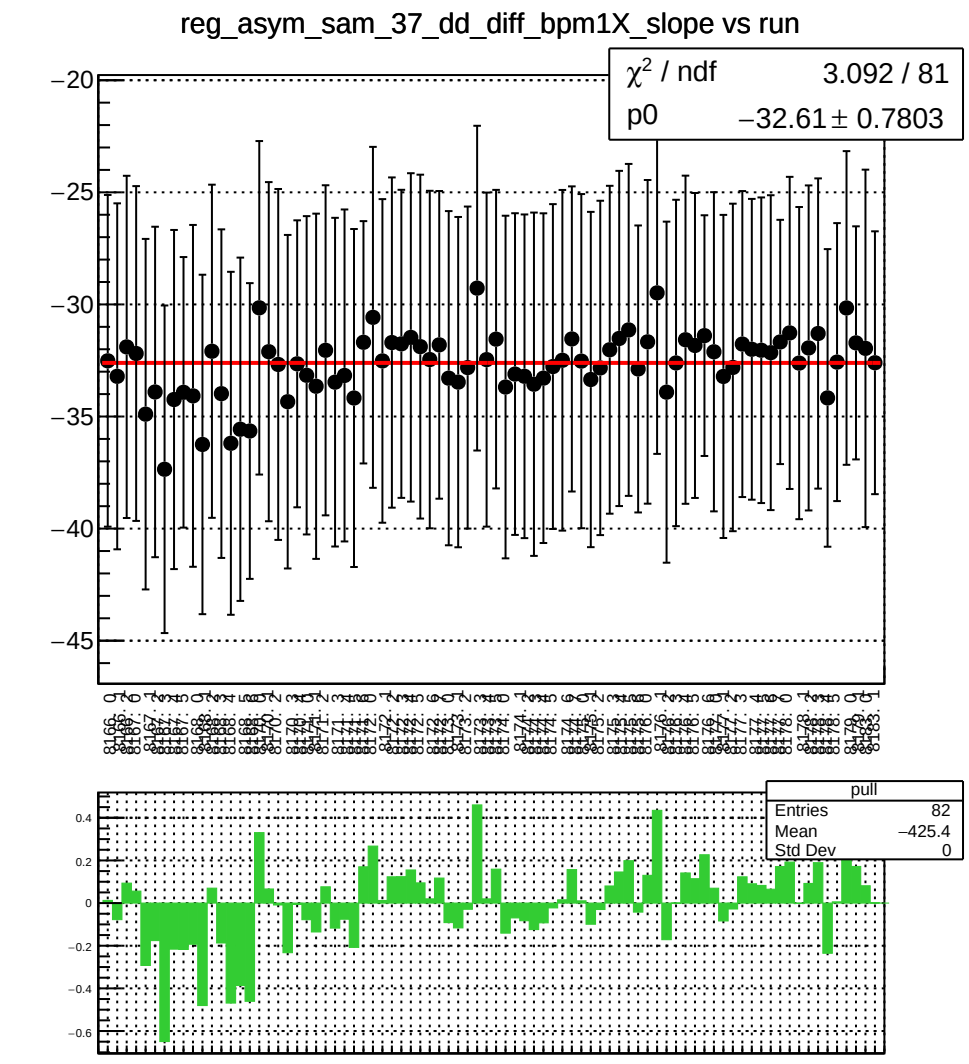

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.872 / 81
p0 −87.62 ± 1.409
pull
Entries 82
Mean −594.2
Std Dev 0

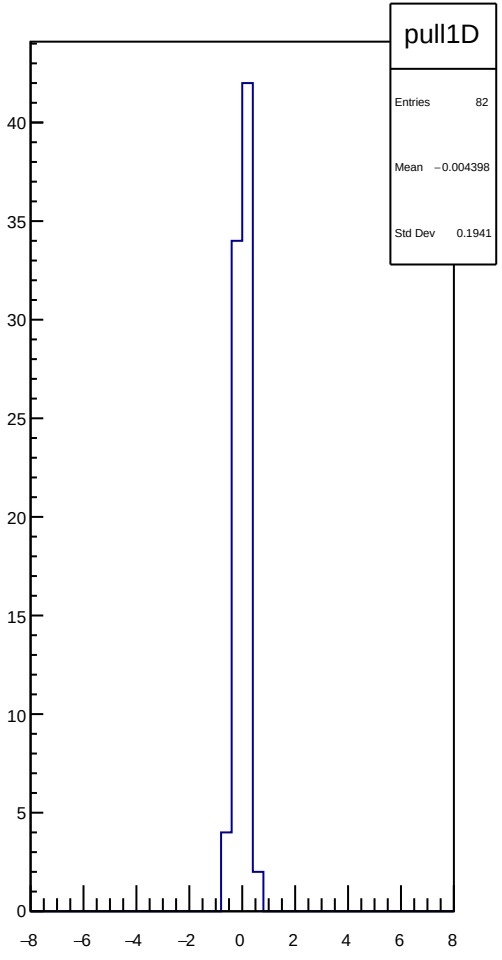

pull1D
Entries 82
Mean 0.00424
Std Dev 0.1871

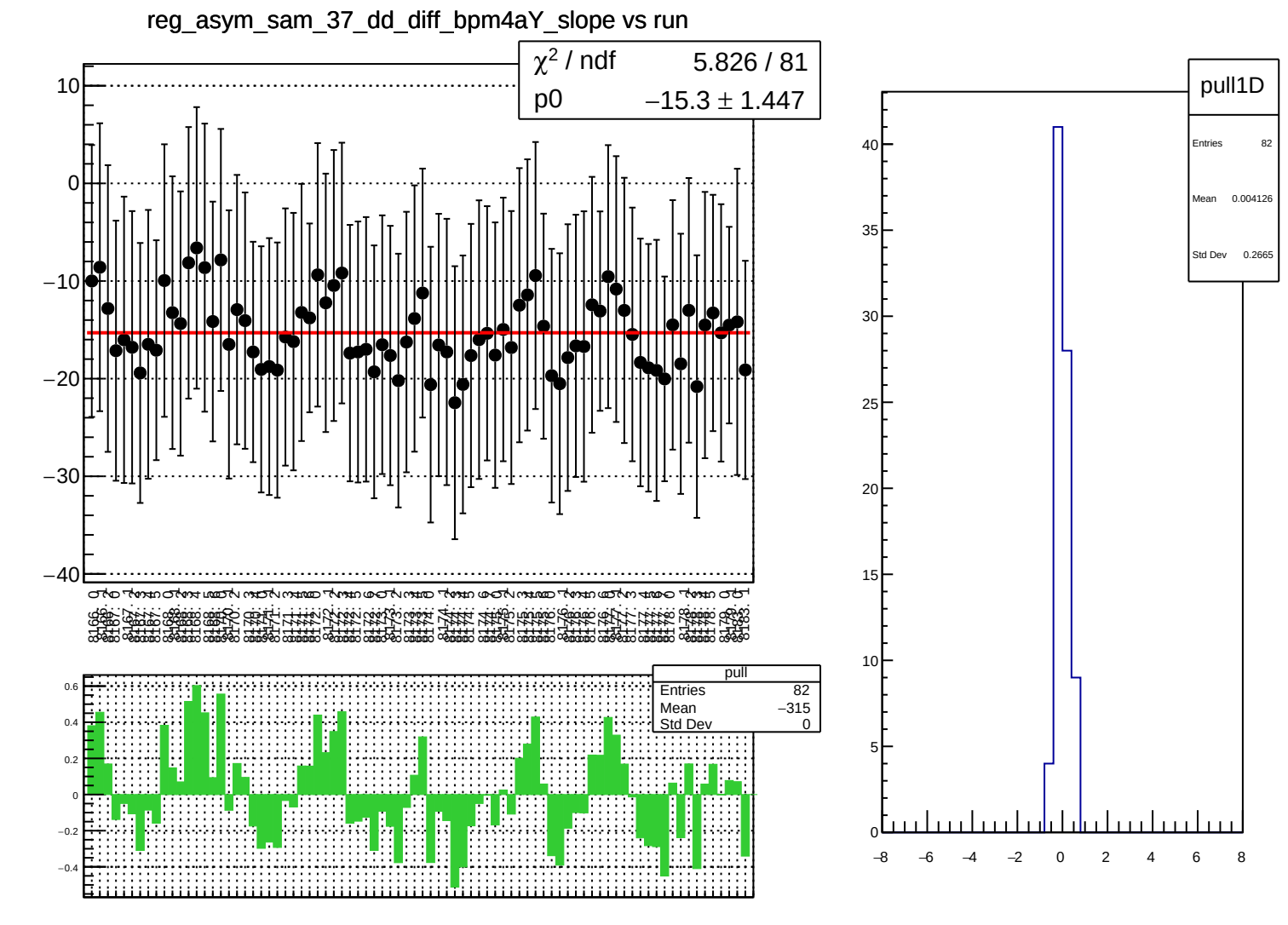

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.682 / 81
p0 8.39 ± 2.788
pull
Entries 82
Mean −4.487
Std Dev 0

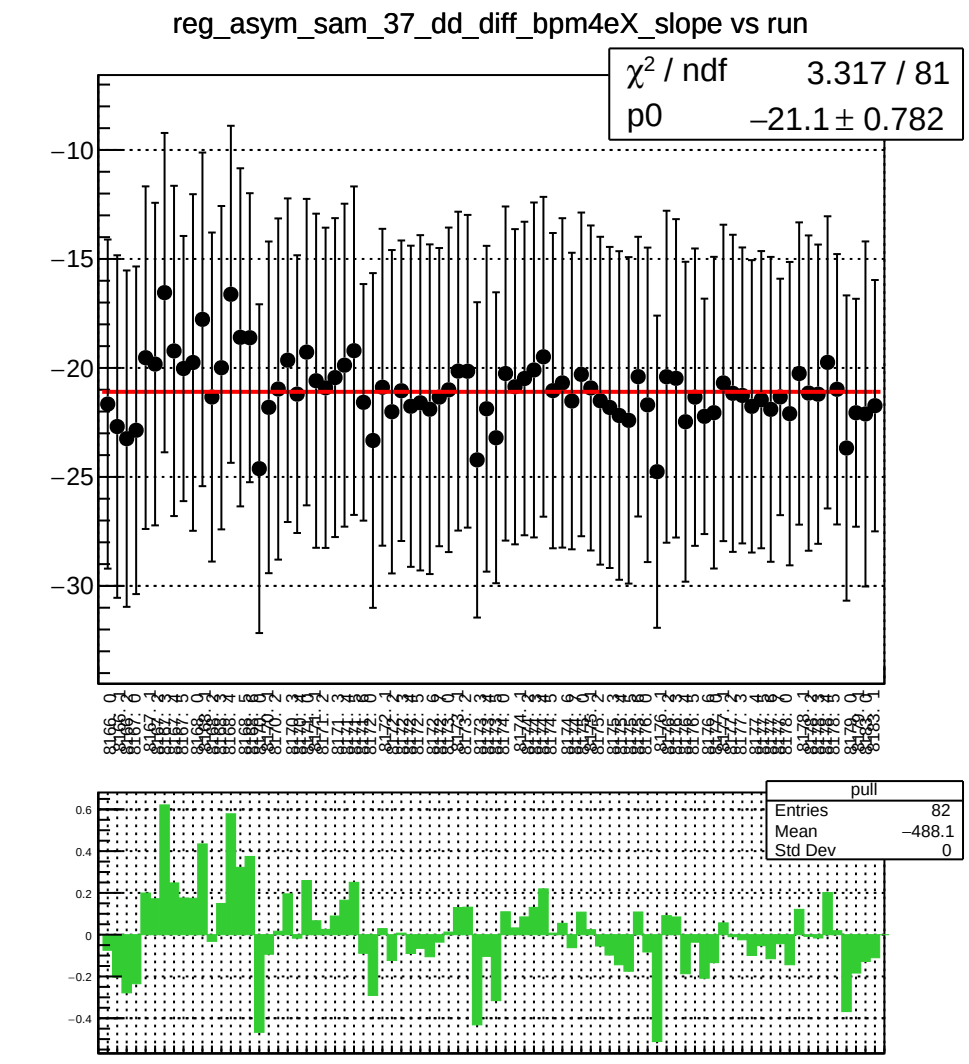

pull1D
Entries 82
Mean −0.001415
Std Dev 0.1432

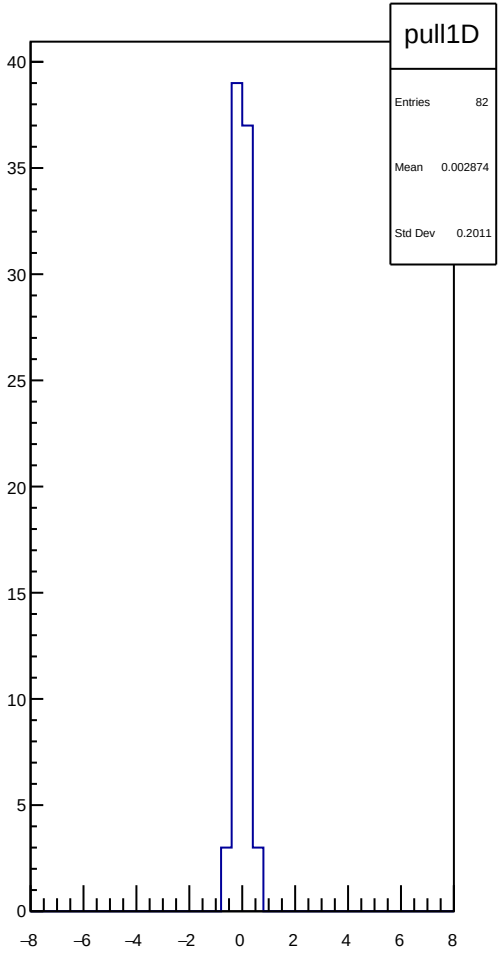

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.423 / 81
p0 0.9339 ± 0.13
pull
Entries 82
Mean −274.6
Std Dev 0
pull1D
Entries 82
Mean −0.0007815
Std Dev 0.1317

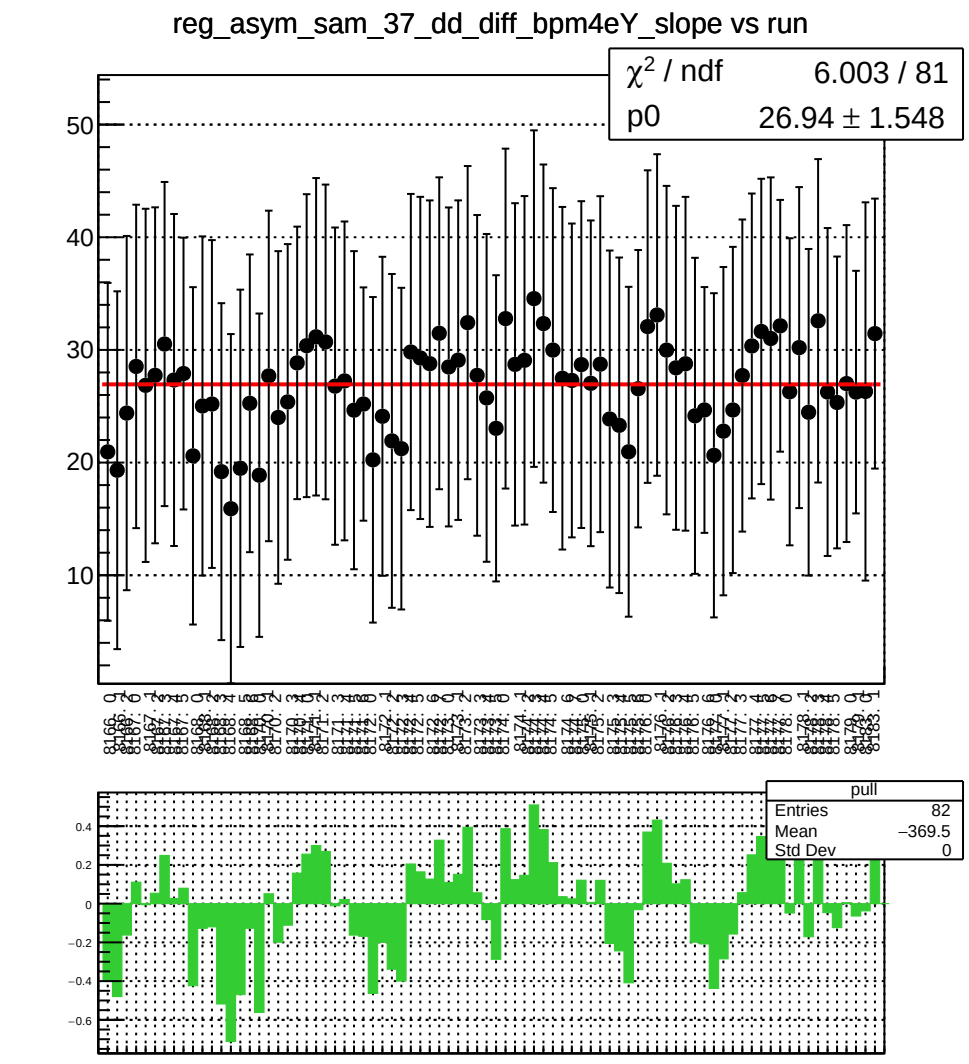

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.092 / 81
p0 −32.61 ± 0.7803
pull
Entries 82
Mean −425.4
Std Dev 0

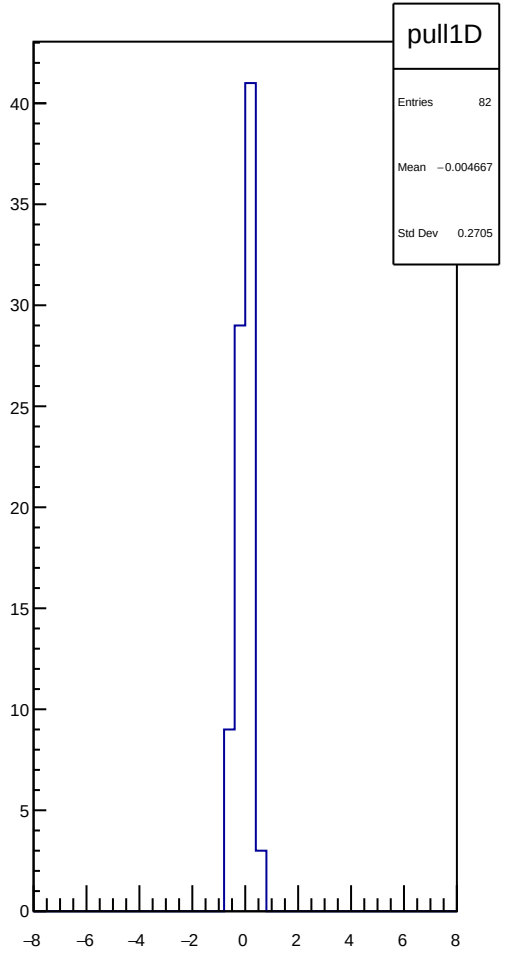

pull1D
Entries 82
Mean −0.004398
Std Dev 0.1941

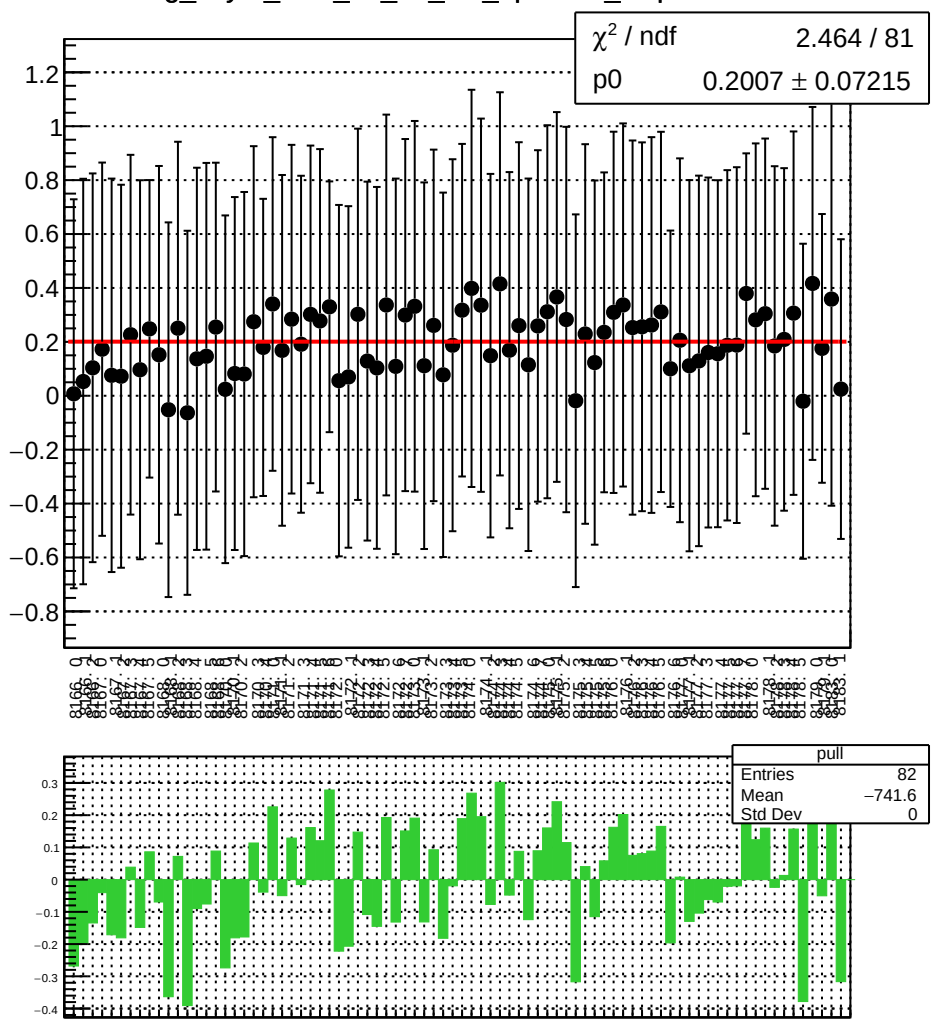

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.826 / 81
p0 −15.3 ± 1.447
pull
Entries 82
Mean −315
Std Dev 0
pull1D
Entries 82
Mean 0.004126
Std Dev 0.2665

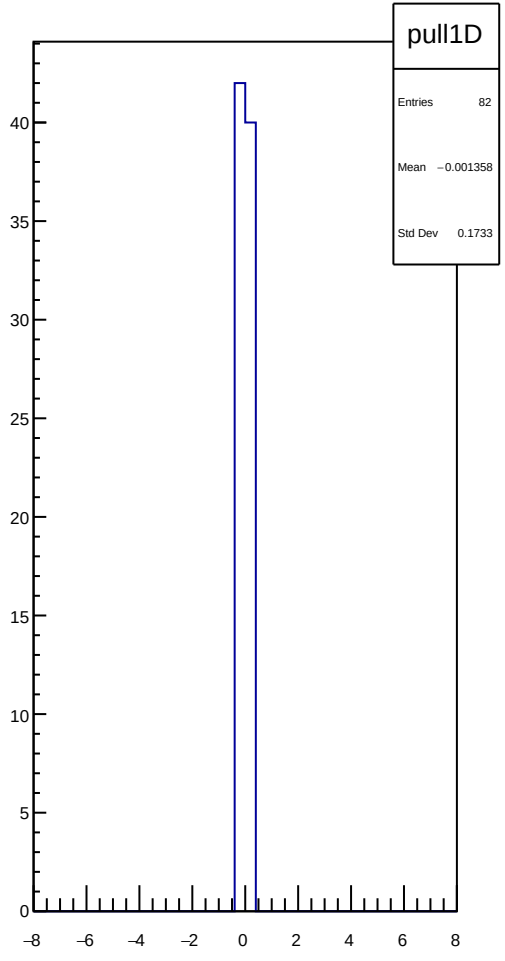

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.317 / 81
p0 −21.1 ± 0.782
pull
Entries 82
Mean −488.1
Std Dev 0

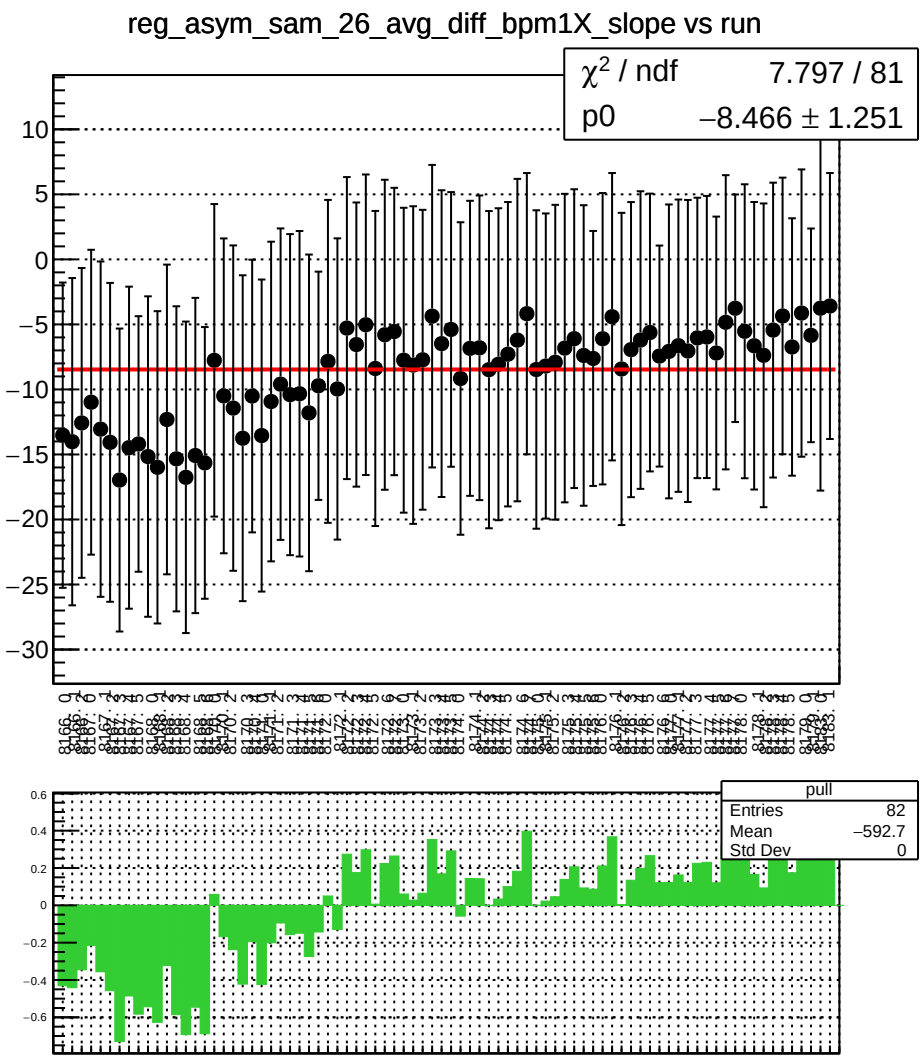

pull1D
Entries 82
Mean 0.002874
Std Dev 0.2011

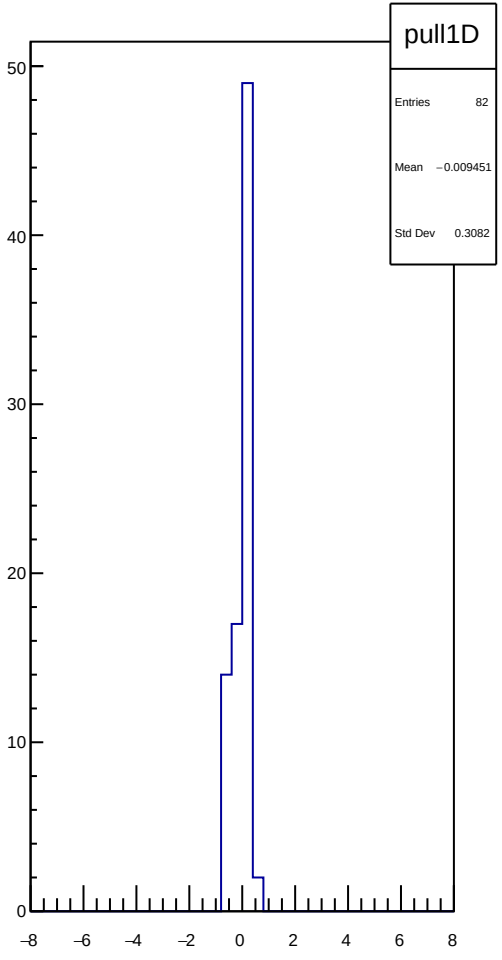

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.003 / 81
p0 26.94 ± 1.548
pull
Entries 82
Mean −369.5
Std Dev 0

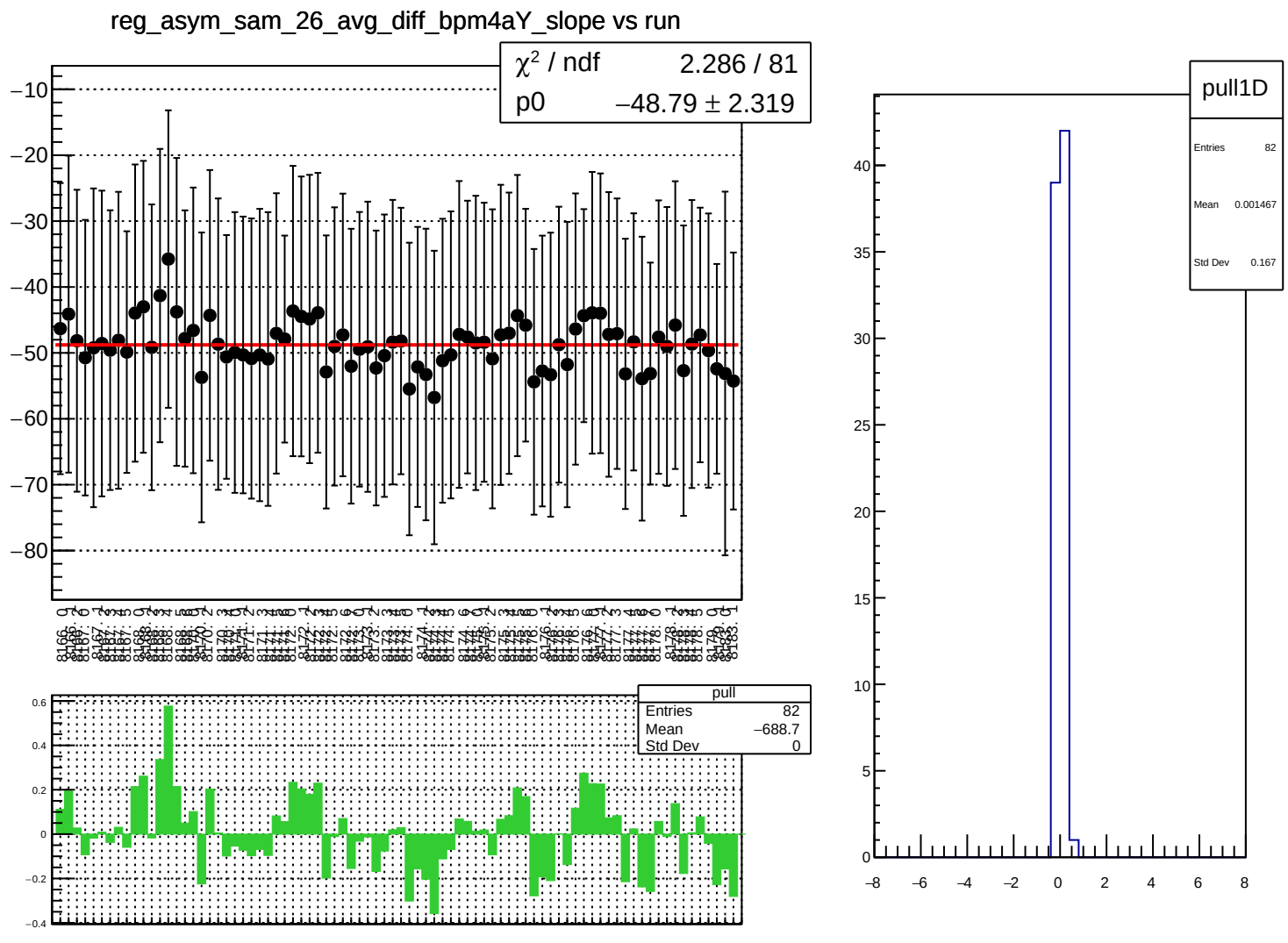

pull1D
Entries 82
Mean −0.004667
Std Dev 0.2705

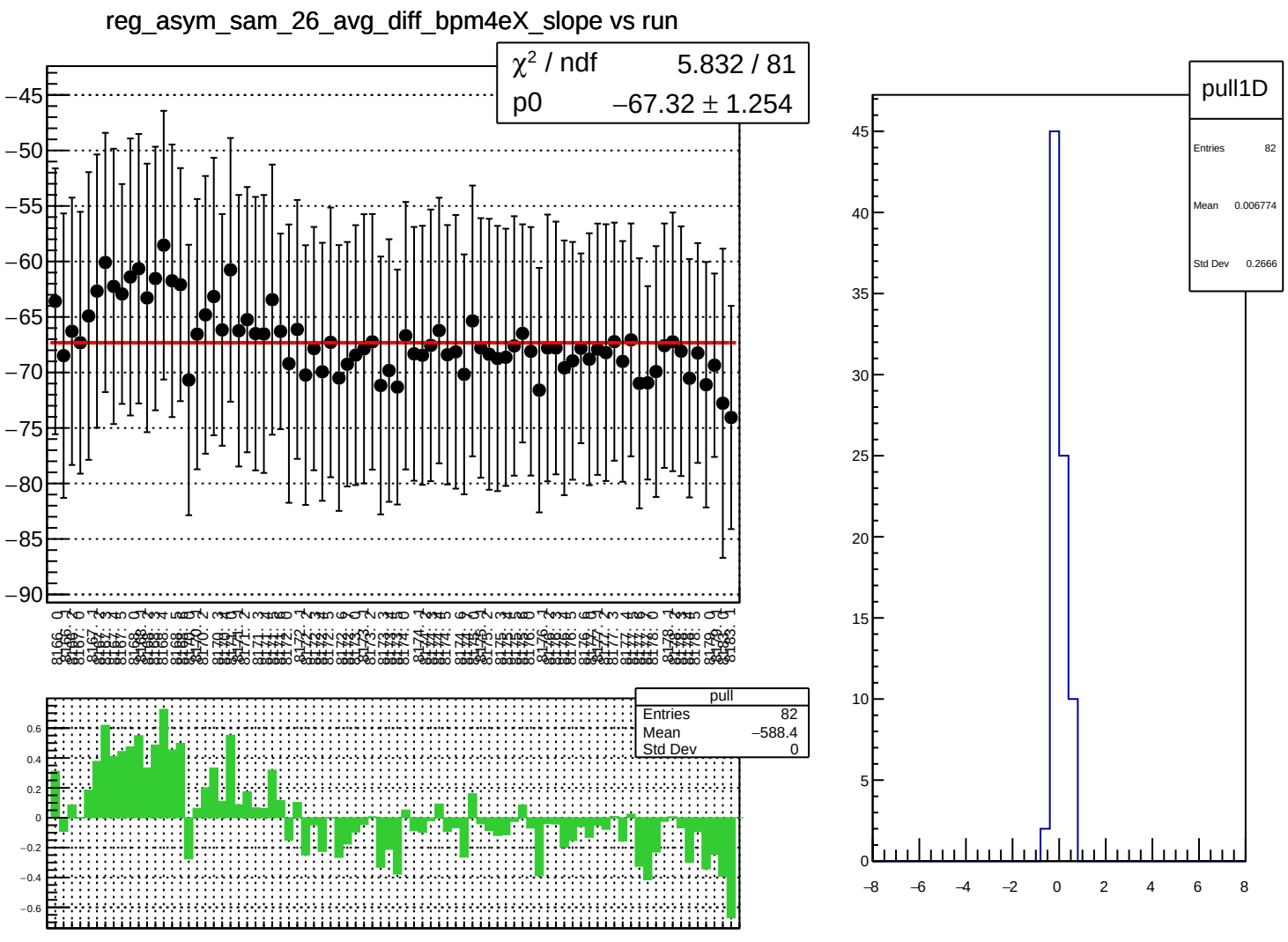

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.464 / 81
p0 0.2007 ± 0.07215
pull
Entries 82
Mean −741.6
Std Dev 0

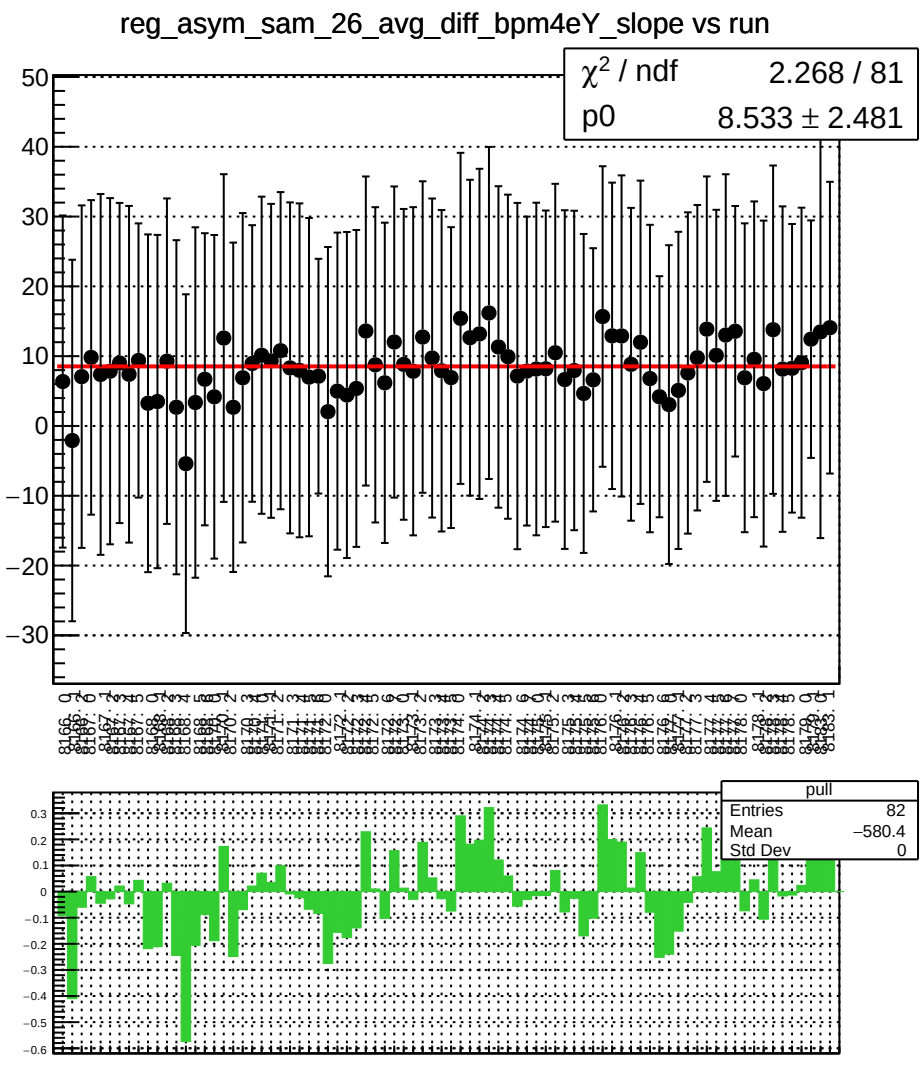

pull1D
Entries 82
Mean −0.001358
Std Dev 0.1733

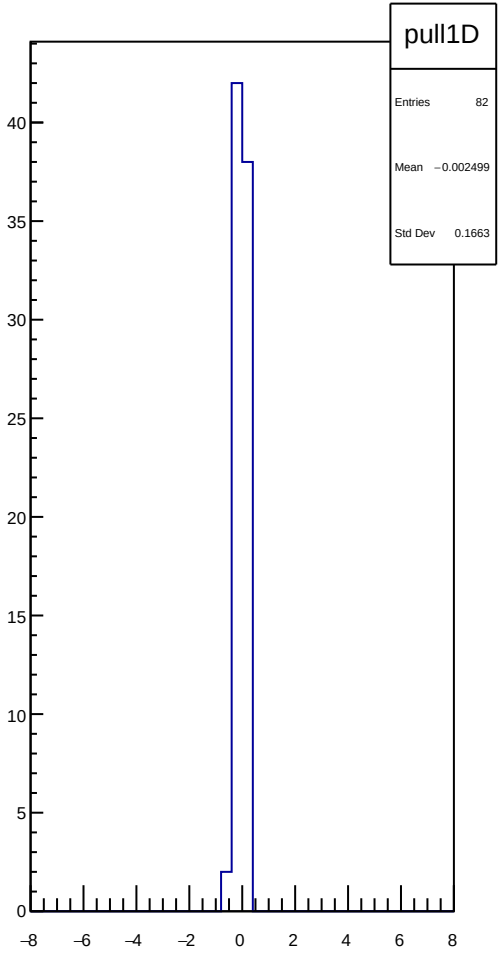

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 7.797 / 81
p0 −8.466 ± 1.251
pull
Entries 82
Mean −592.7
Std Dev 0

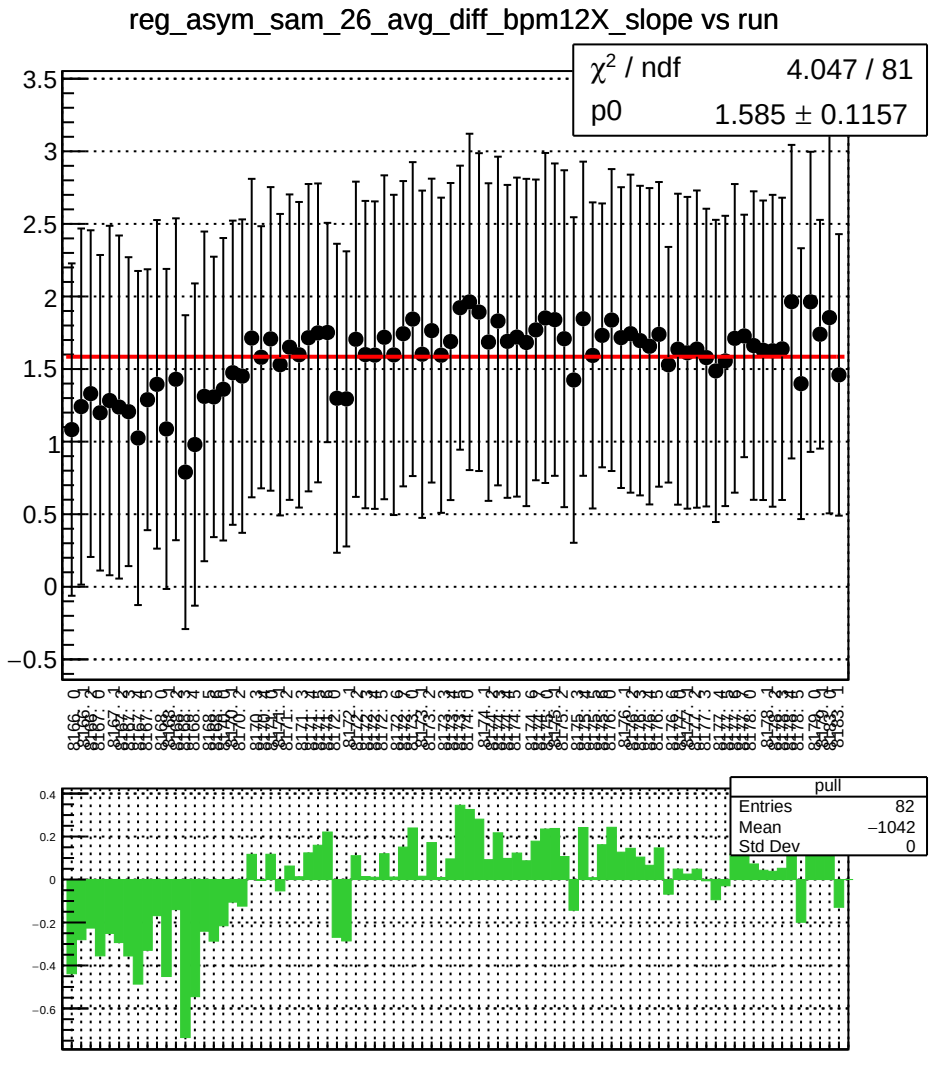

pull1D
Entries 82
Mean −0.009451
Std Dev 0.3082

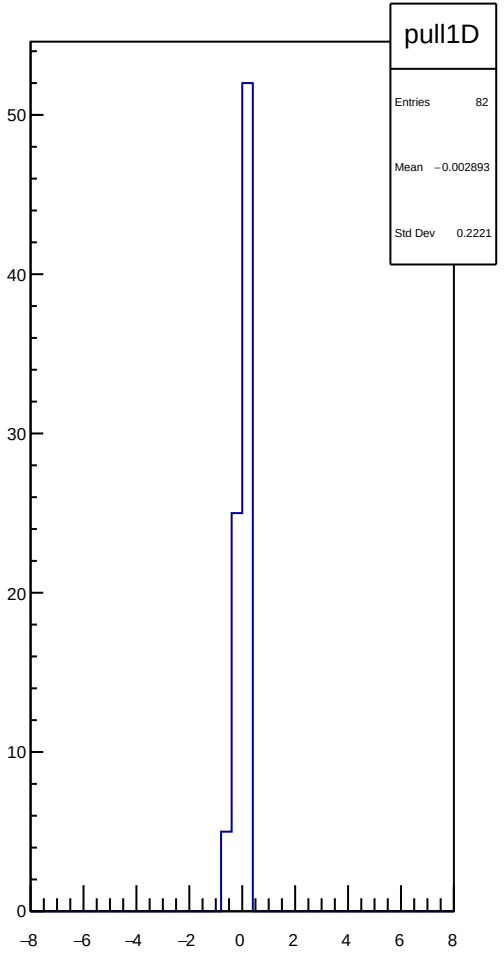

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.286 / 81
p0 −48.79 ± 2.319
pull
Entries 82
Mean −688.7
Std Dev 0
pull1D
Entries 82
Mean 0.001467
Std Dev 0.167

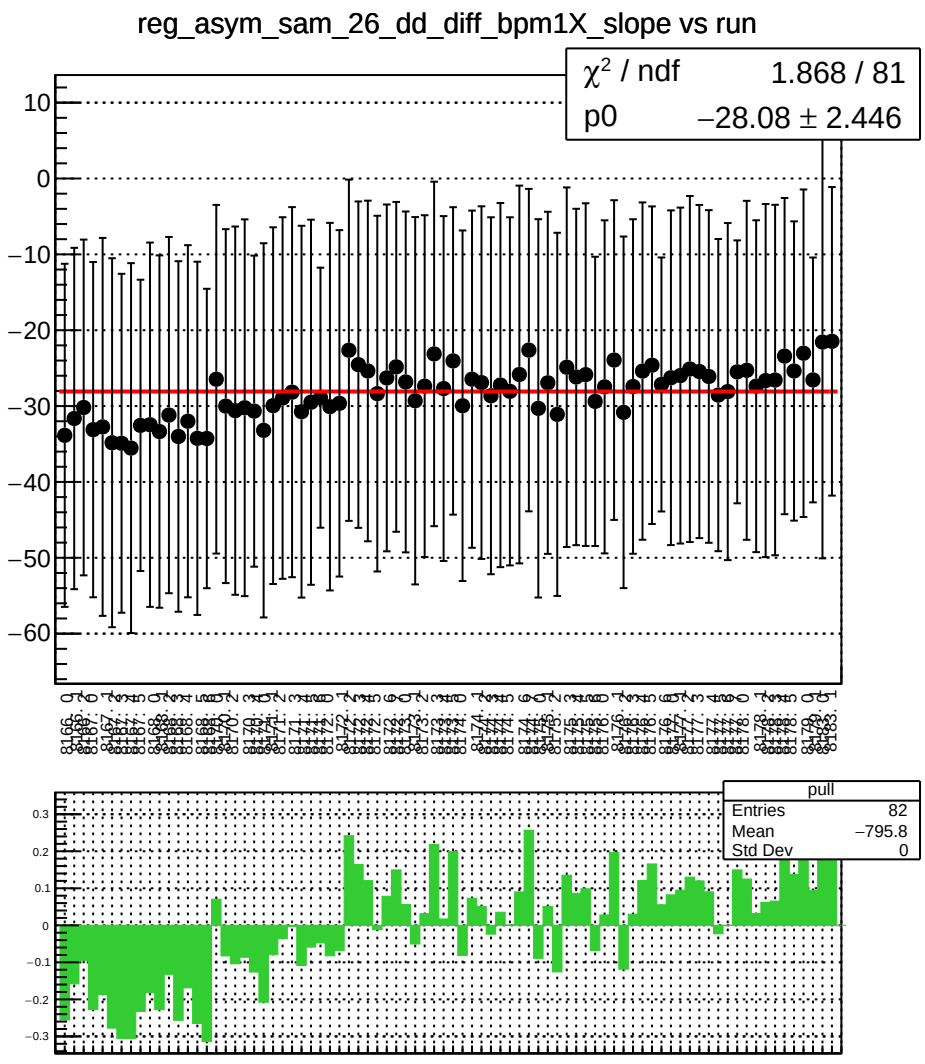

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.832 / 81
p0 −67.32 ± 1.254
pull
Entries 82
Mean −588.4
Std Dev 0
pull1D
Entries 82
Mean 0.006774
Std Dev 0.2666

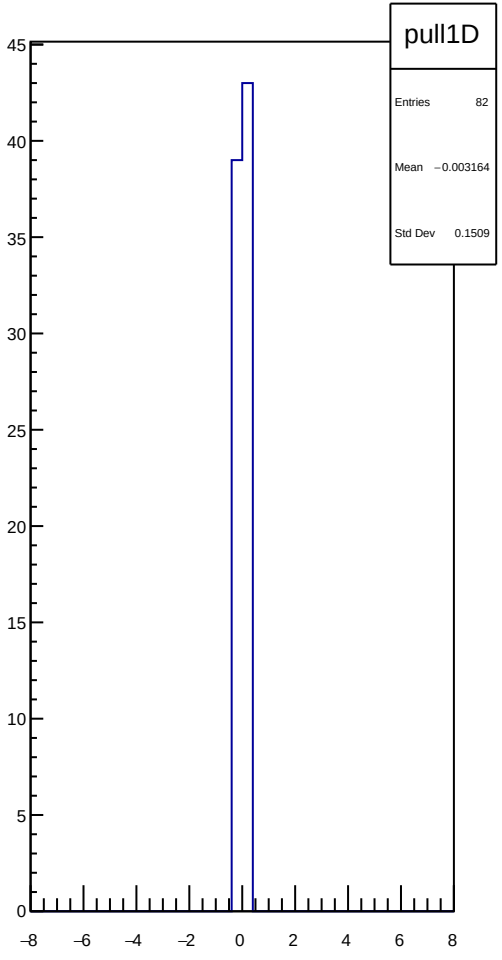

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.268 / 81
p0 8.533 ± 2.481
pull
Entries 82
Mean −580.4
Std Dev 0

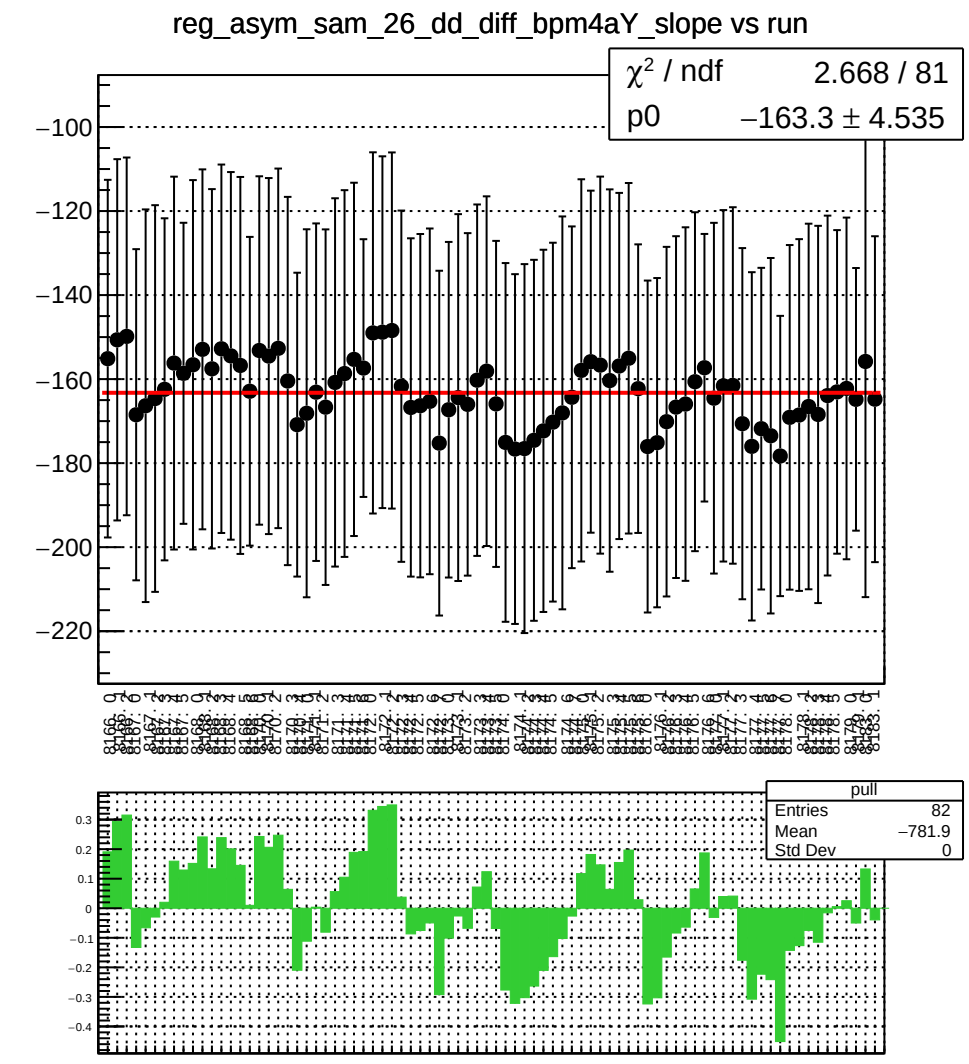

pull1D
Entries 82
Mean −0.002499
Std Dev 0.1663

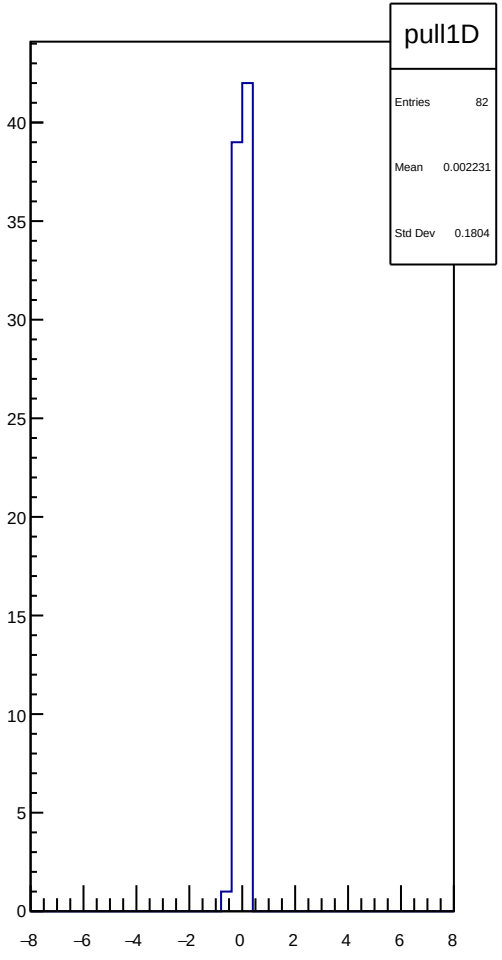

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.047 / 81
p0 1.585 ± 0.1157
pull
Entries 82
Mean −1042
Std Dev 0

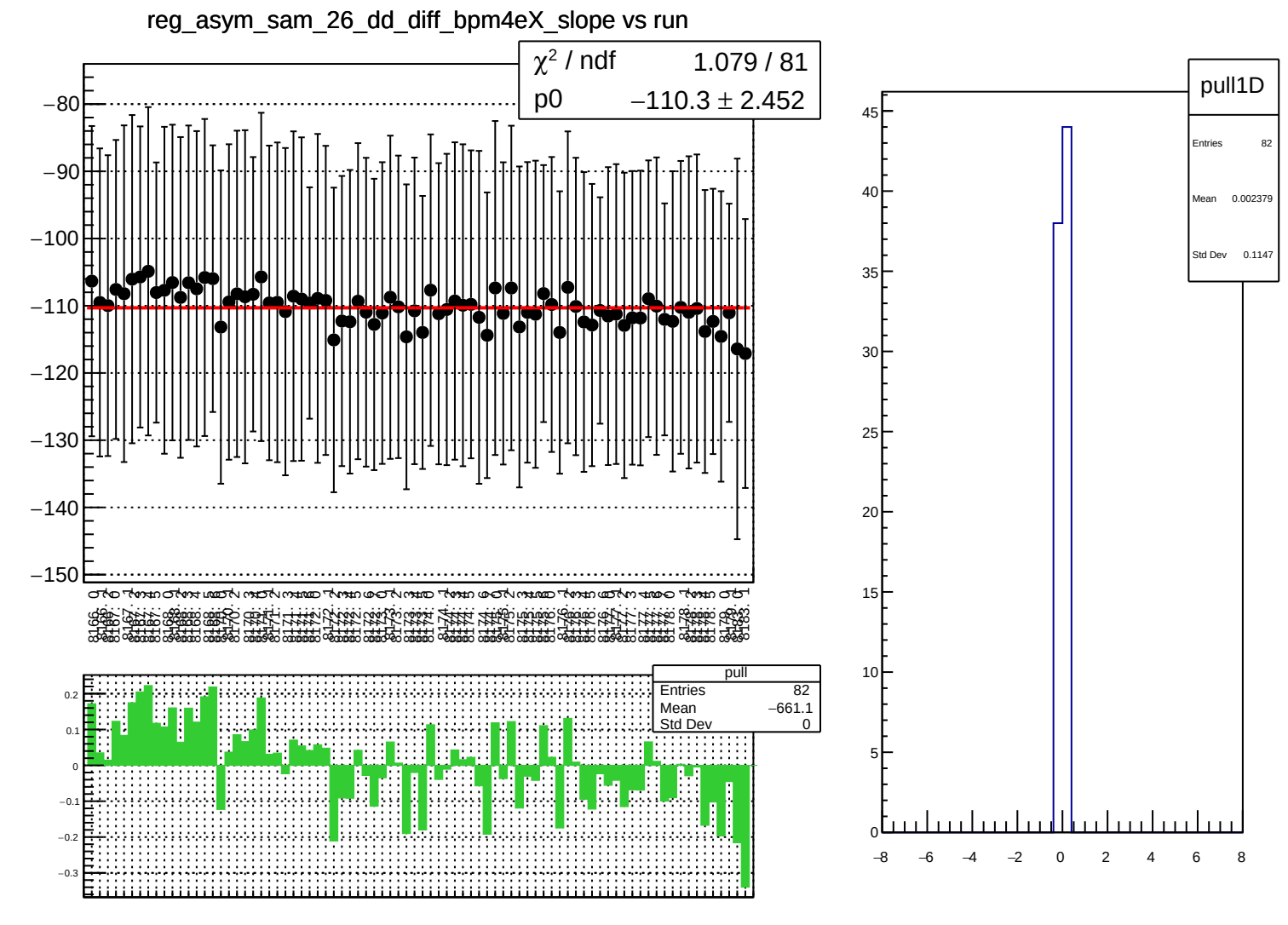

pull1D
Entries 82
Mean −0.002893
Std Dev 0.2221

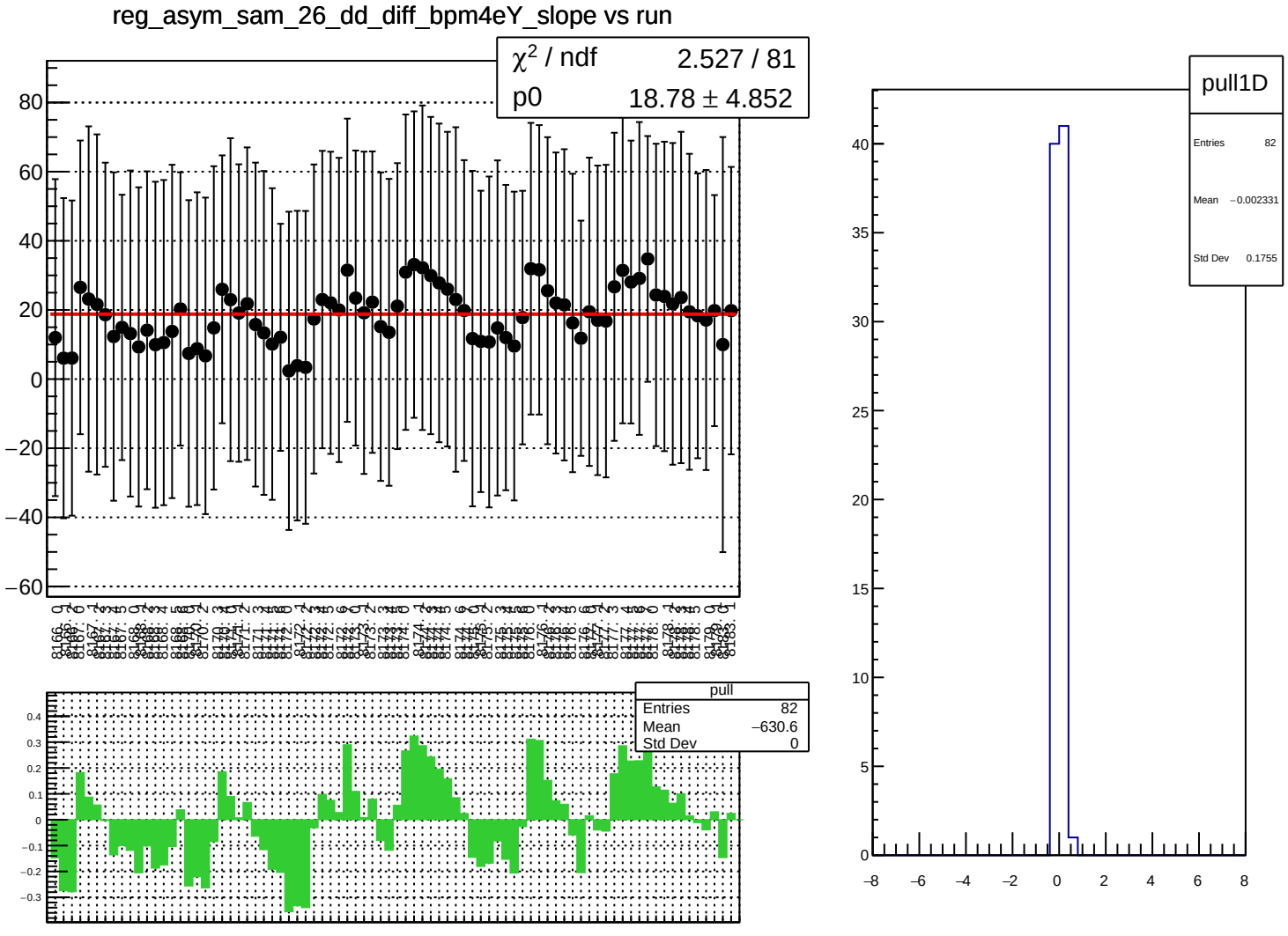

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.868 / 81
p0 −28.08 ± 2.446
pull
Entries 82
Mean −795.8
Std Dev 0

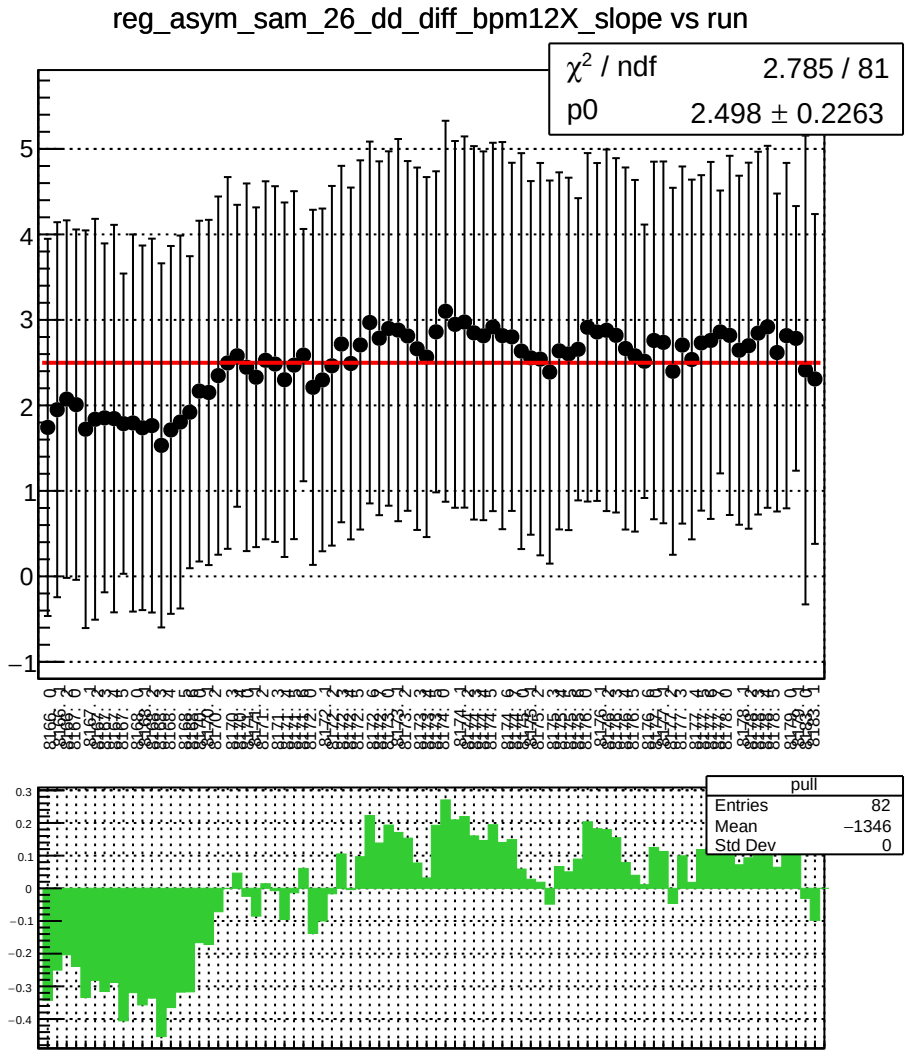

pull1D
Entries 82
Mean −0.003164
Std Dev 0.1509

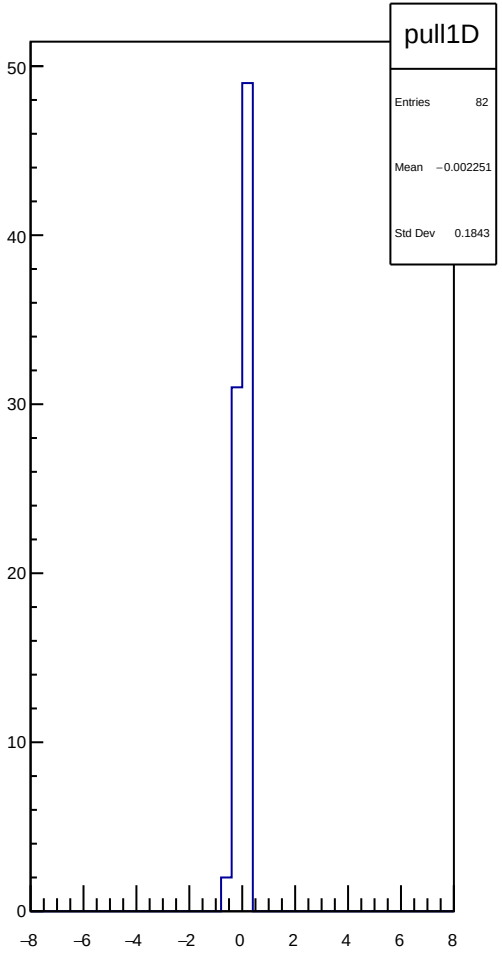

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.668 / 81
p0 −163.3 ± 4.535
pull
Entries 82
Mean −781.9
Std Dev 0

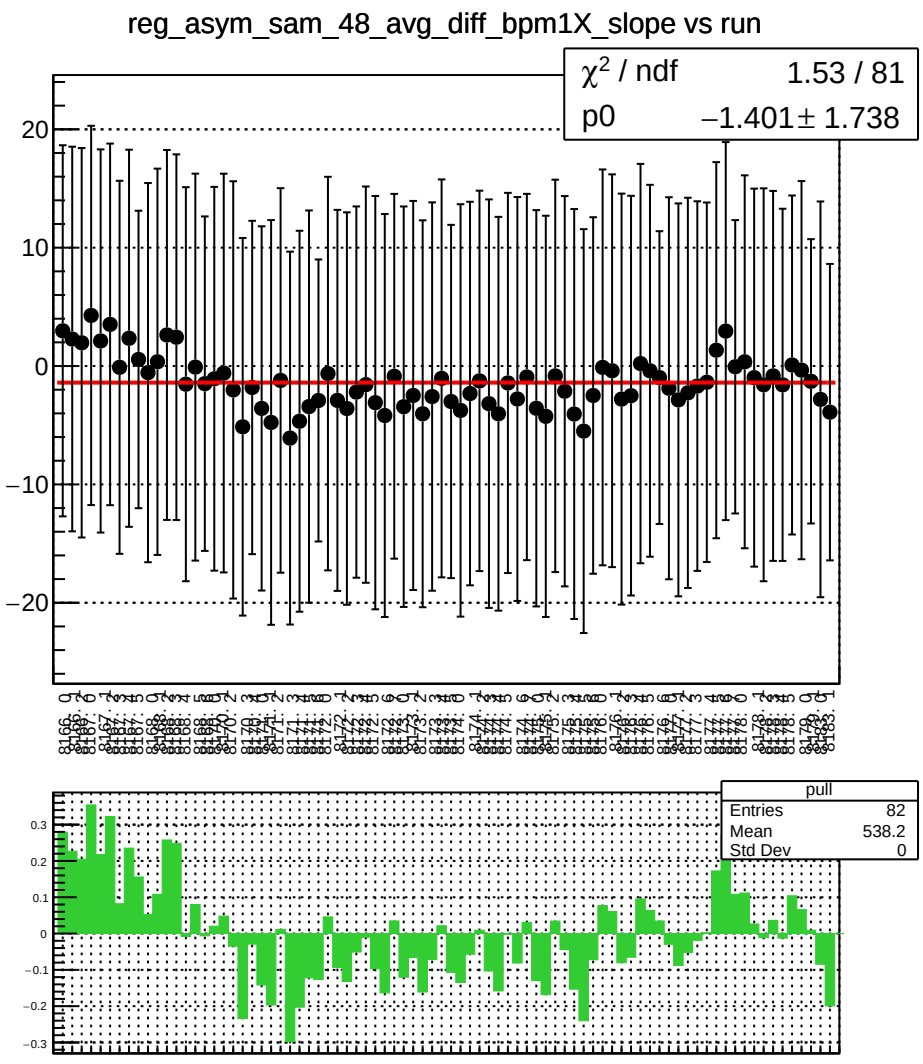

pull1D
Entries 82
Mean 0.002231
Std Dev 0.1804

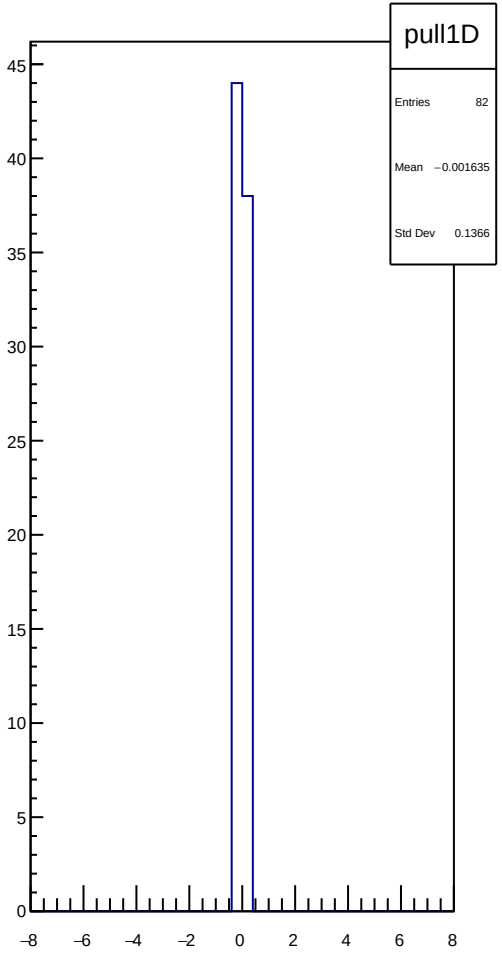

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.079 / 81
p0 −110.3 ± 2.452
pull
Entries 82
Mean −661.1
Std Dev 0
pull1D
Entries 82
Mean 0.002379
Std Dev 0.1147

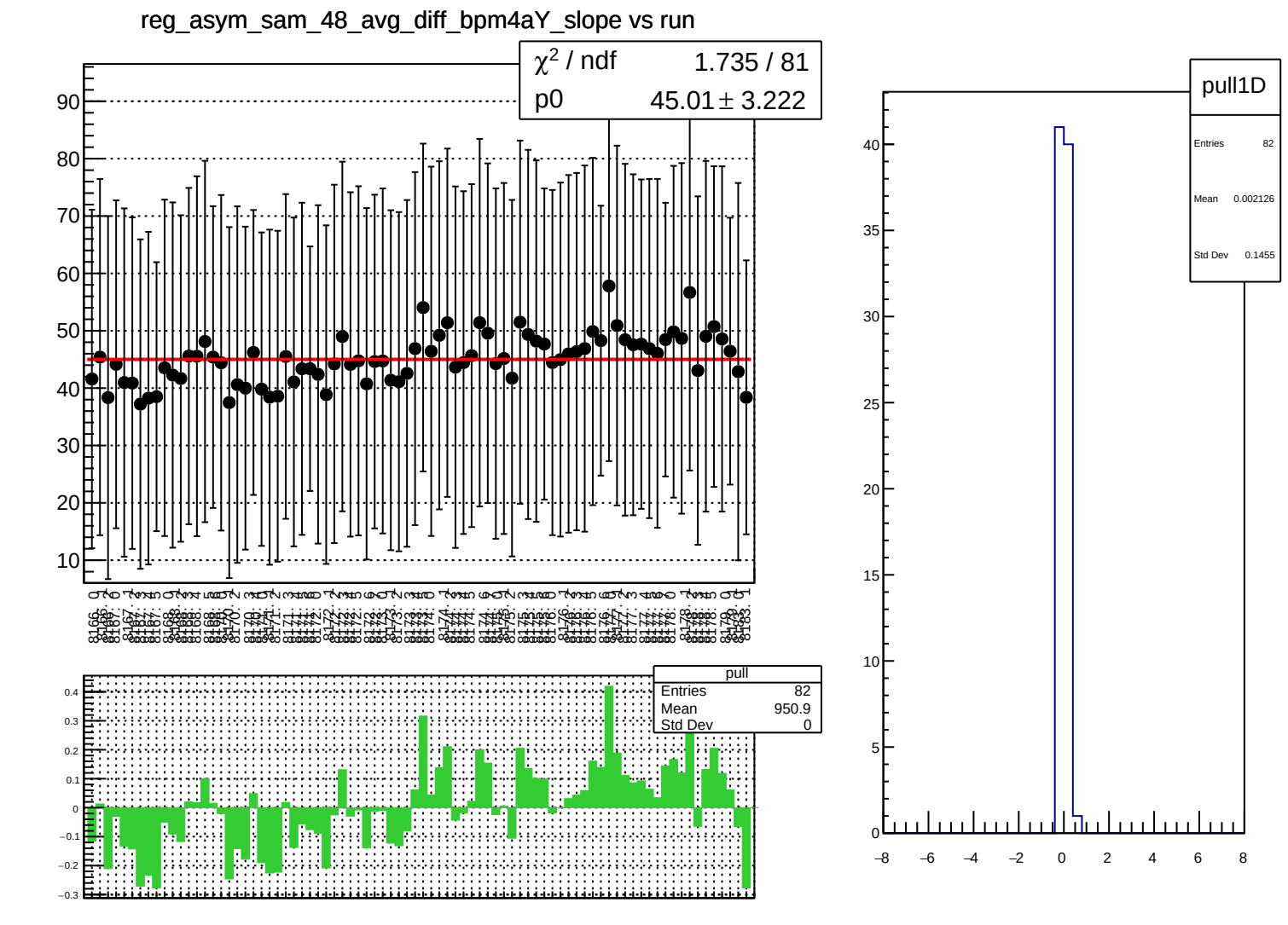

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.527 / 81
p0 18.78 ± 4.852
pull
Entries 82
Mean −630.6
Std Dev 0
pull1D
Entries 82
Mean −0.002331
Std Dev 0.1755

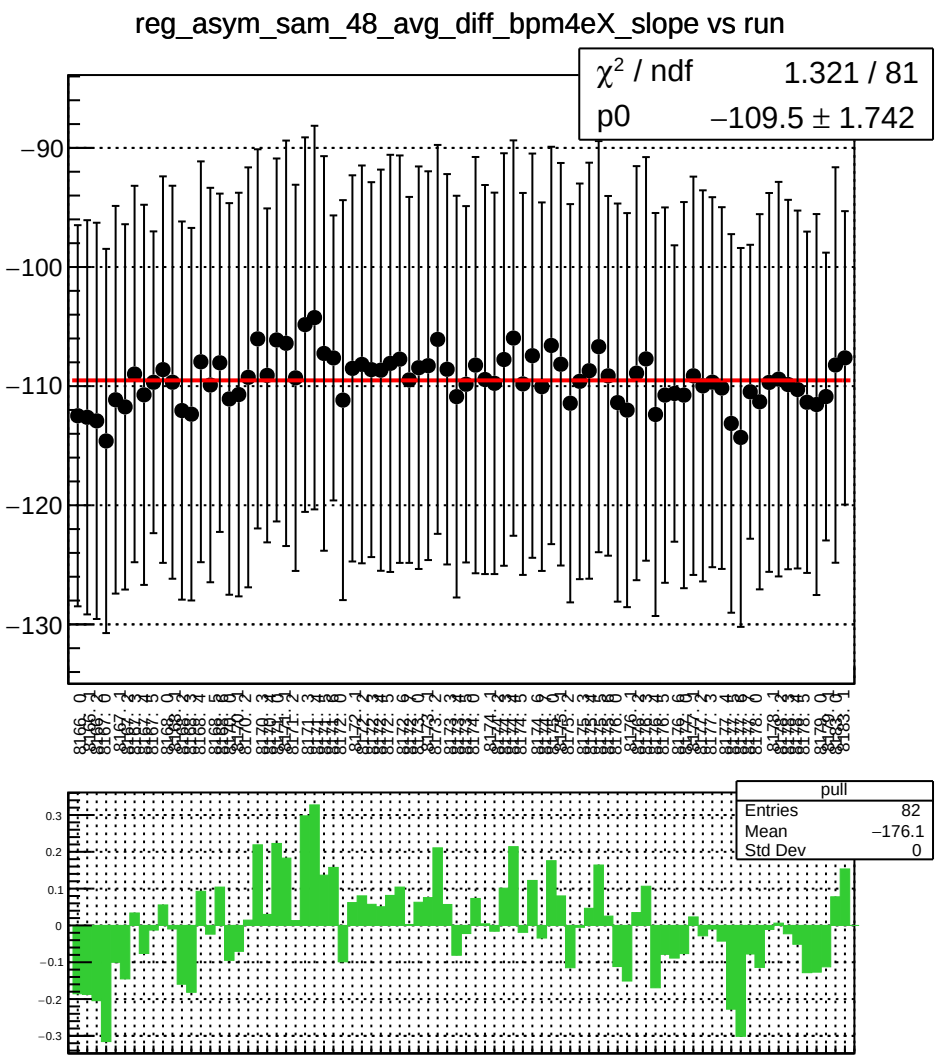

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.785 / 81
p0 2.498 ± 0.2263
pull
Entries 82
Mean −1346
Std Dev 0

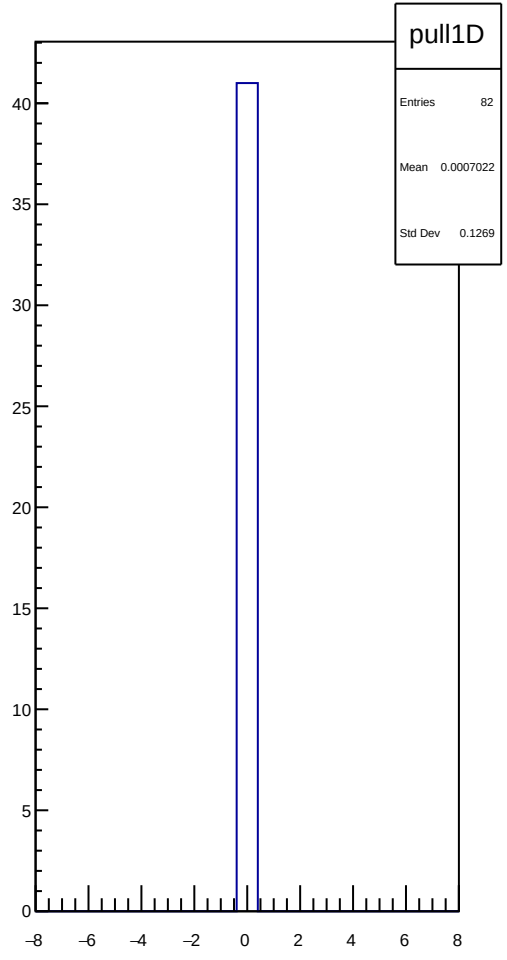

pull1D
Entries 82
Mean −0.002251
Std Dev 0.1843

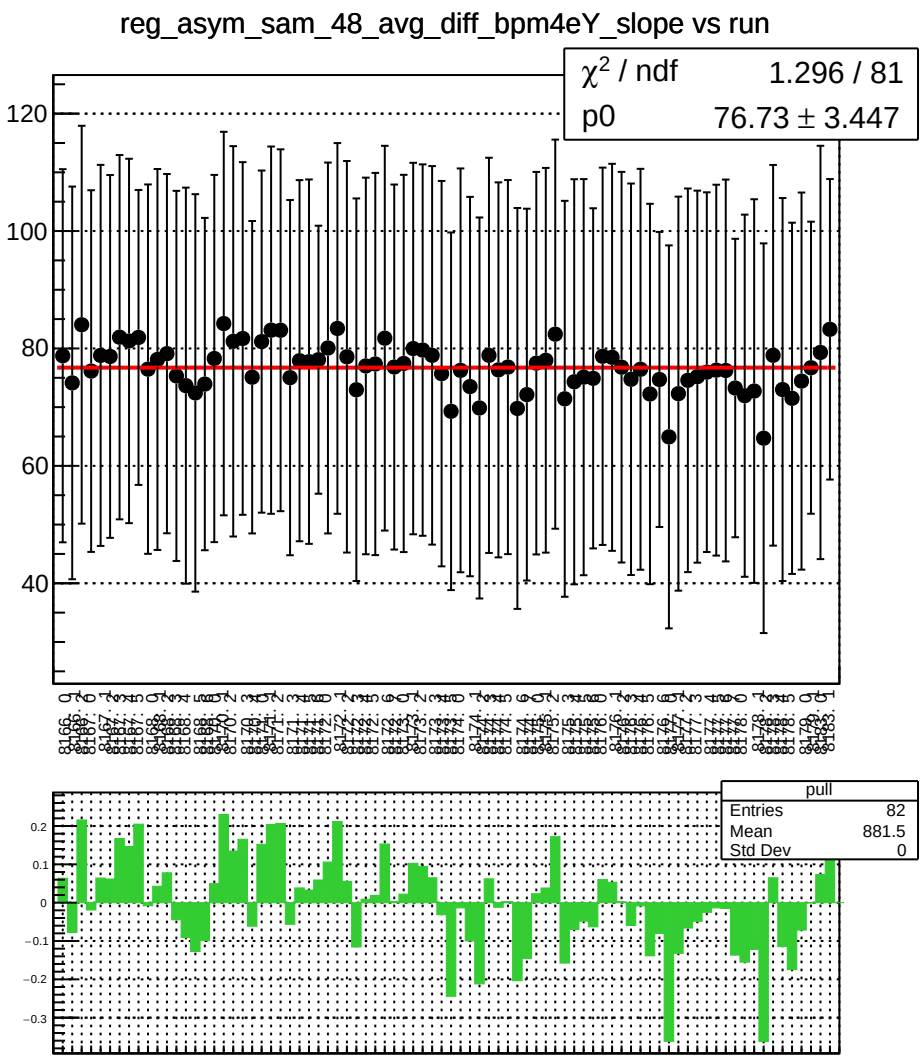

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1.53 / 81
p0 −1.401± 1.738
pull
Entries 82
Mean 538.2
Std Dev 0

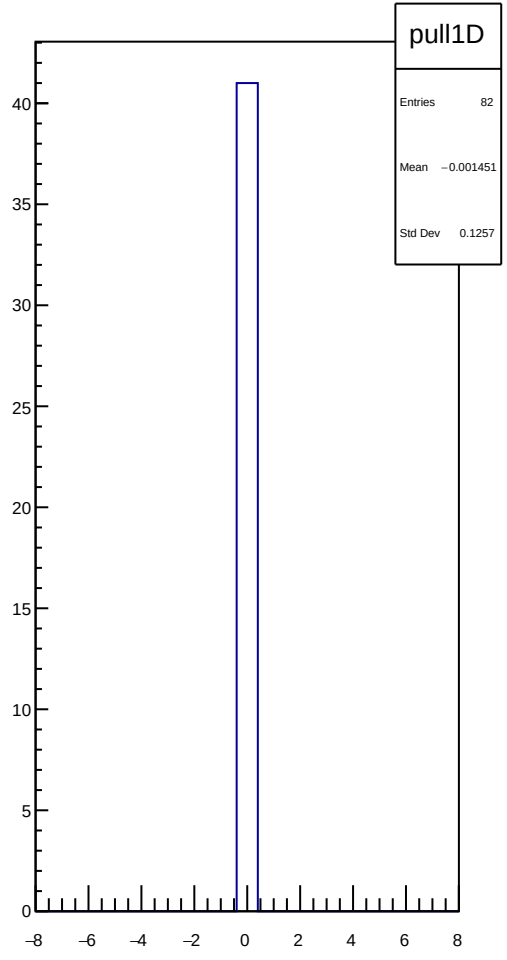

pull1D
Entries 82
Mean −0.001635
Std Dev 0.1366

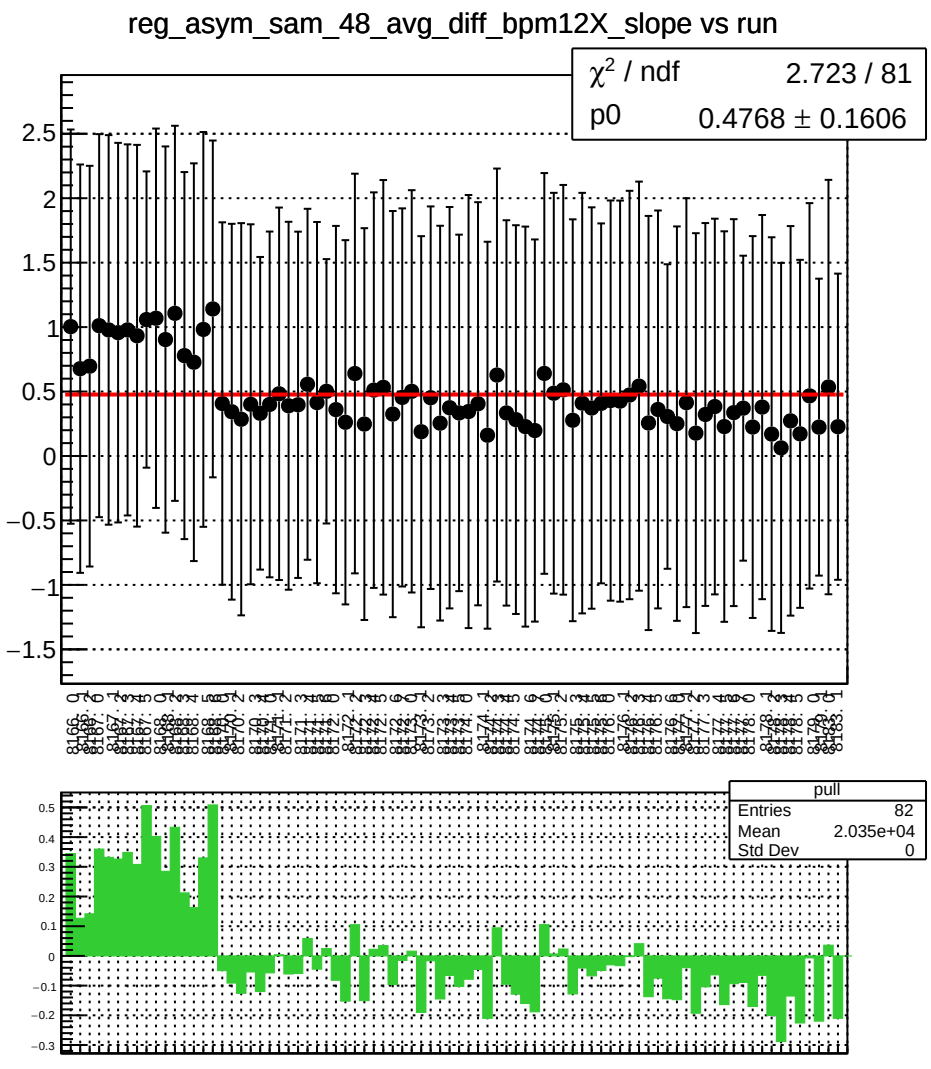

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.735 / 81
p0 45.01 ± 3.222
pull
Entries 82
Mean 950.9
Std Dev 0
pull1D
Entries 82
Mean 0.002126
Std Dev 0.1455

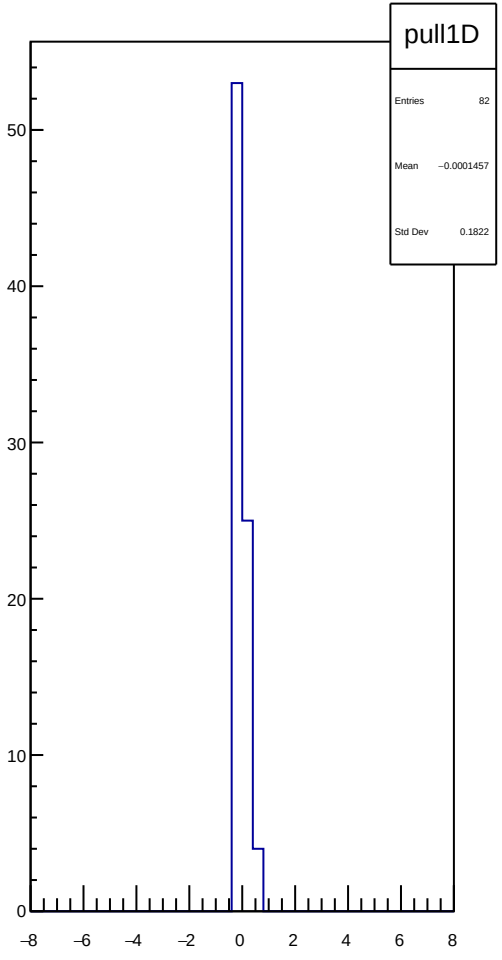

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.321 / 81
p0 −109.5 ± 1.742
−90
−100
−110
−120
−130
pull
Entries 82
Mean −176.1
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

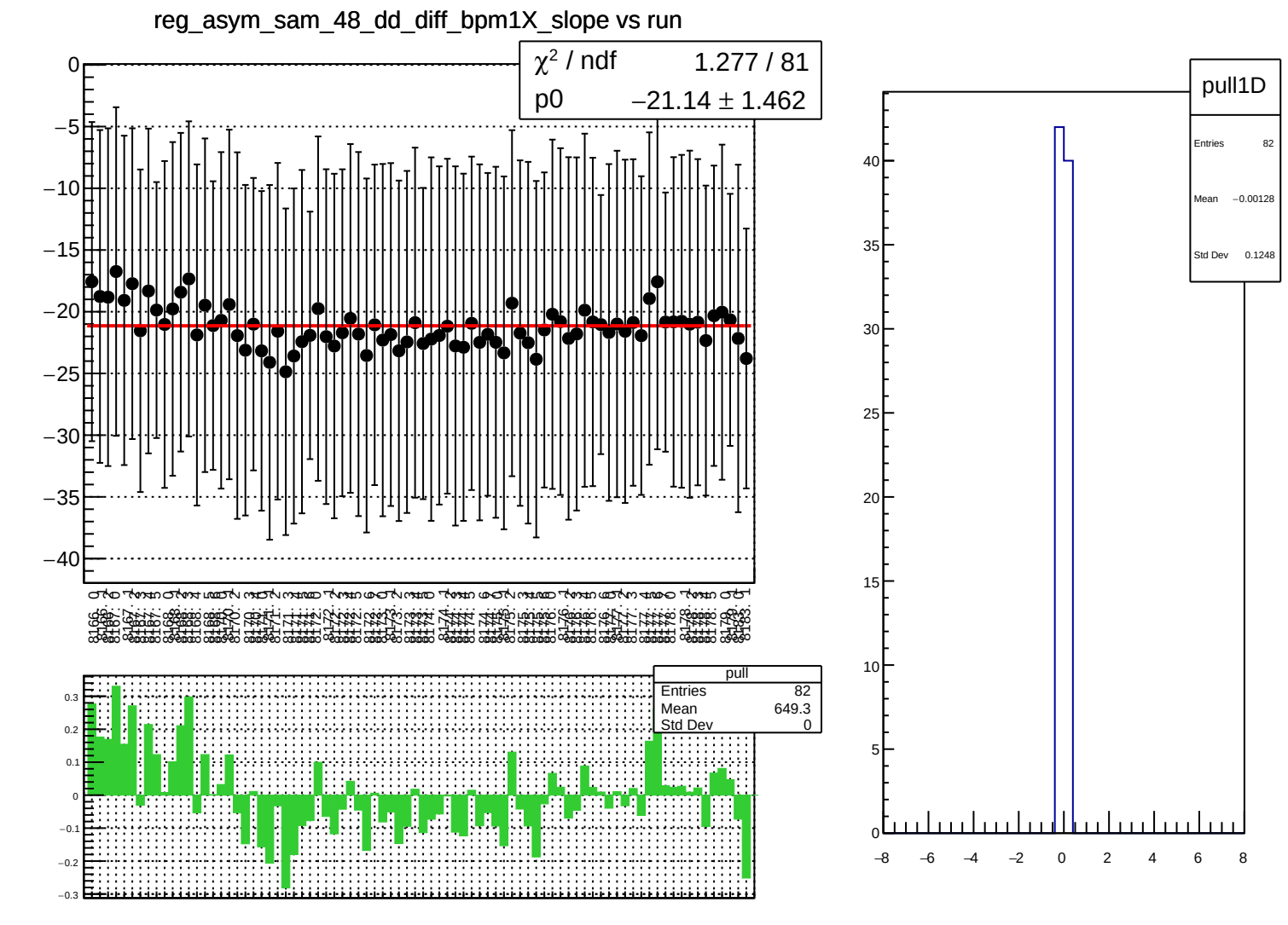

pull1D
Entries 82
Mean 0.0007022
Std Dev 0.1269
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

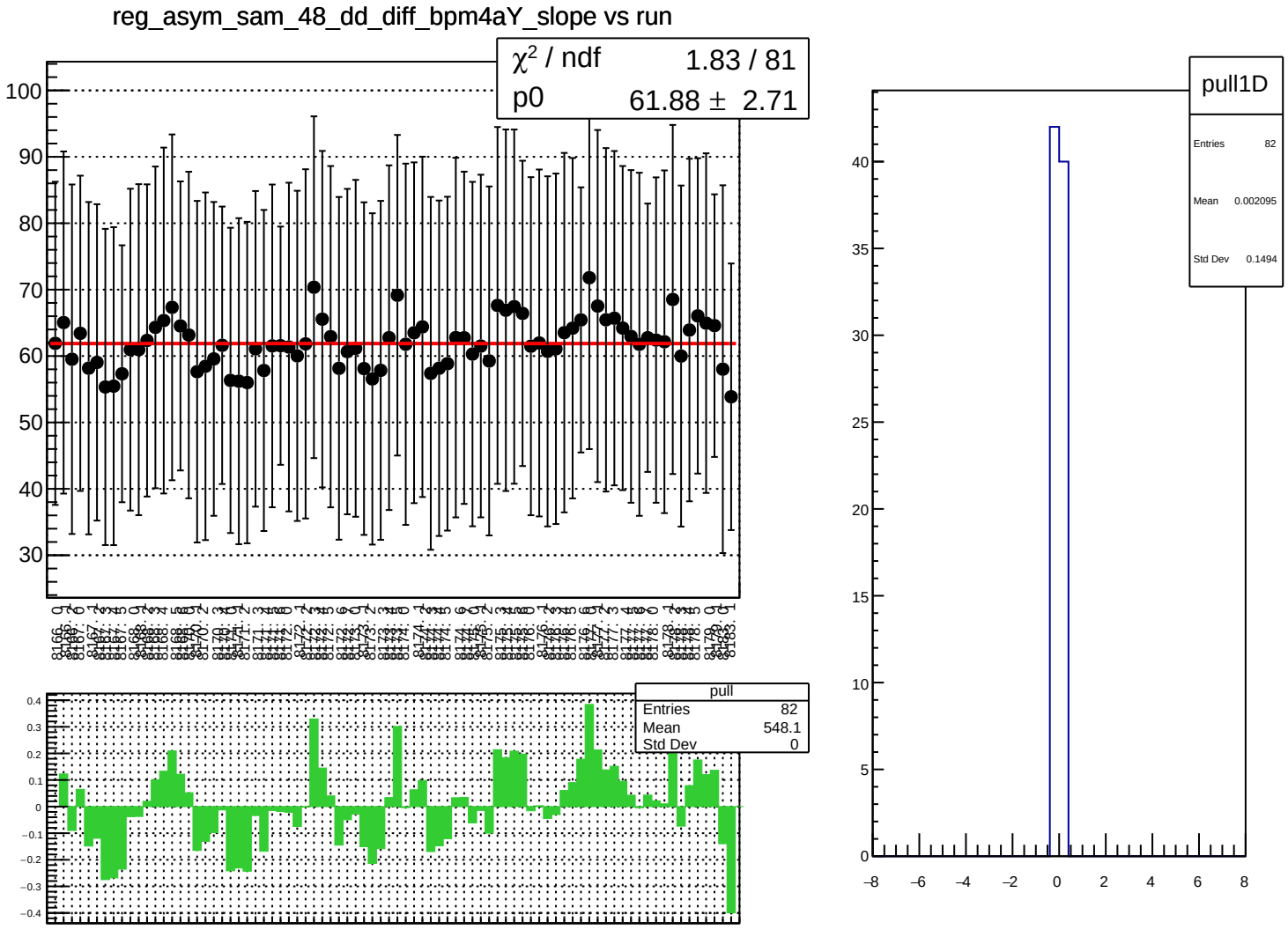

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.296 / 81
p0 76.73 ± 3.447
120
100
80
60
40
pull
Entries 82
Mean 881.5
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

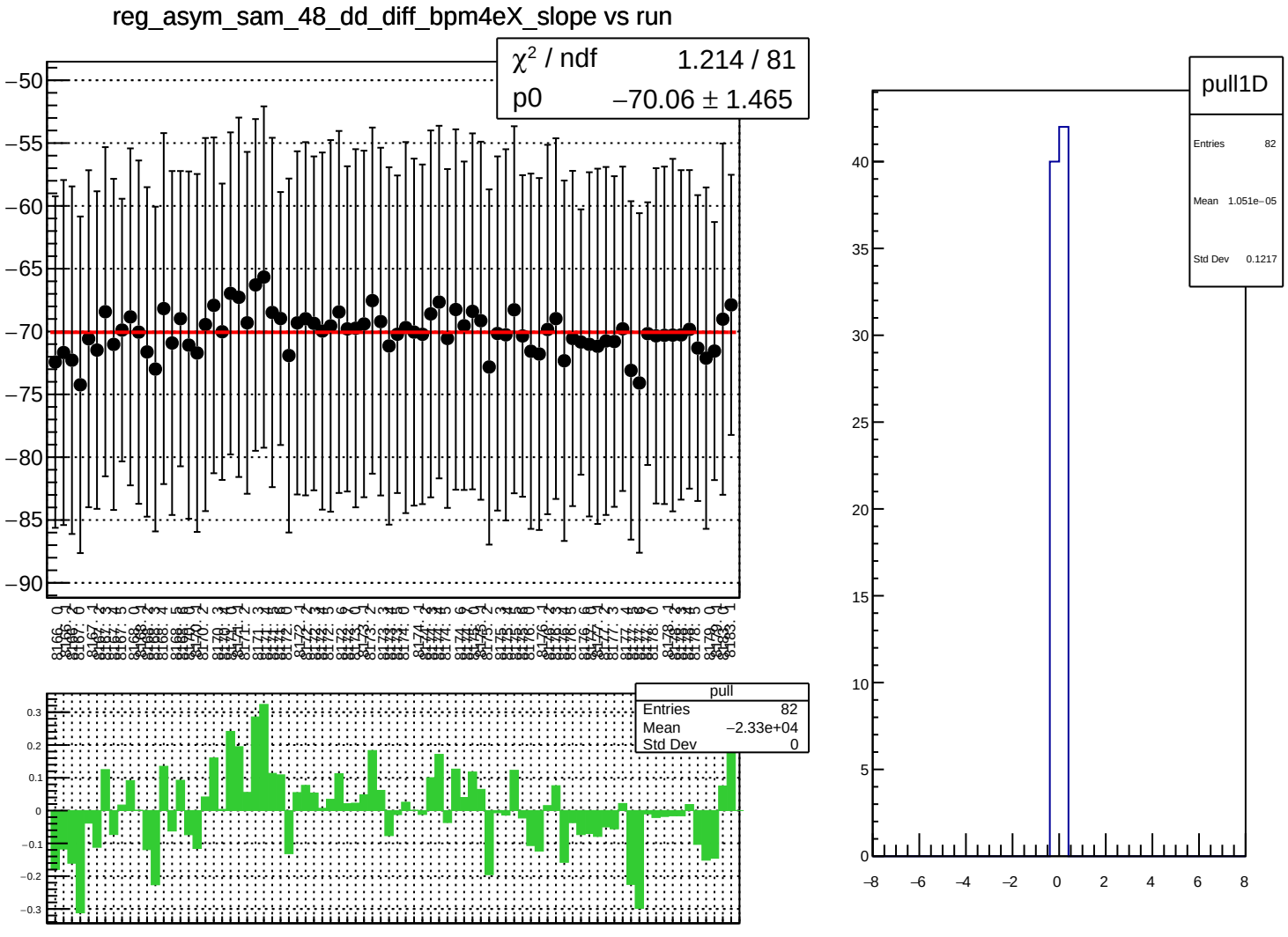

pull1D
Entries 82
Mean −0.001451
Std Dev 0.1257
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

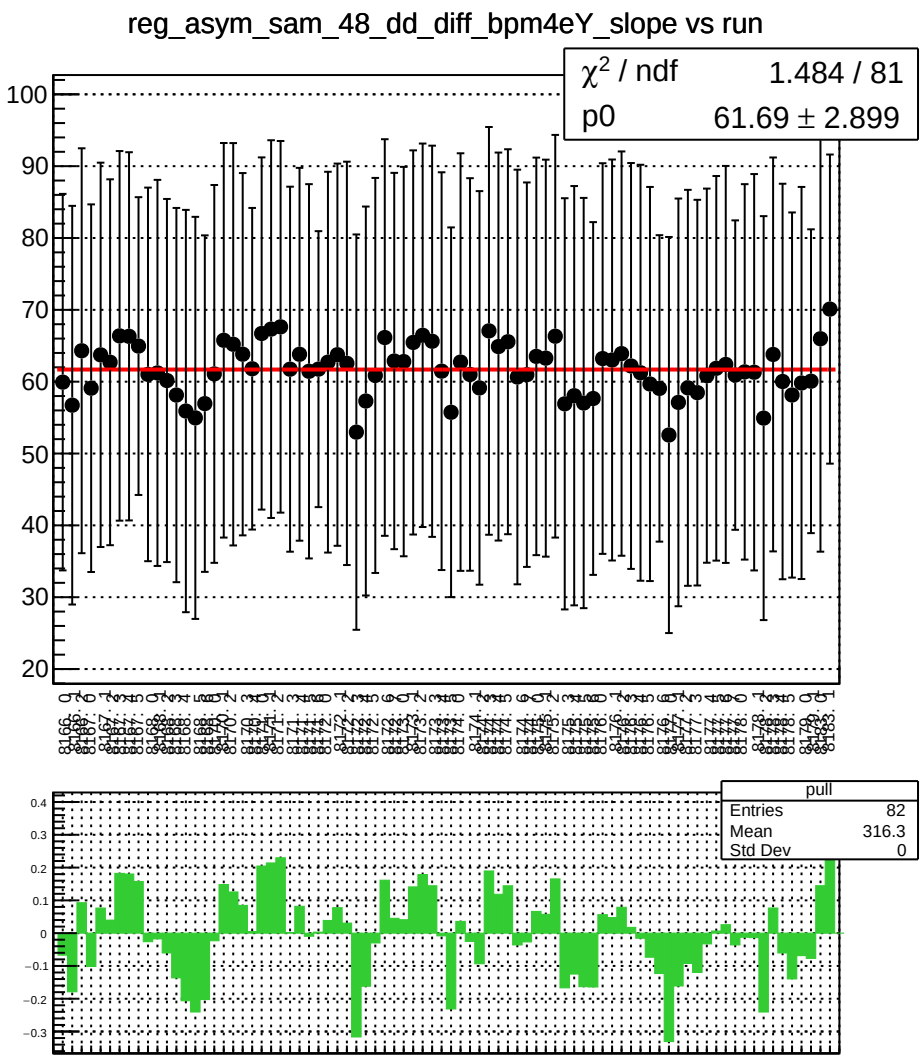

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 2.723 / 81
p0 0.4768 ± 0.1606
pull
Entries 82
Mean 2.035e+04
Std Dev 0

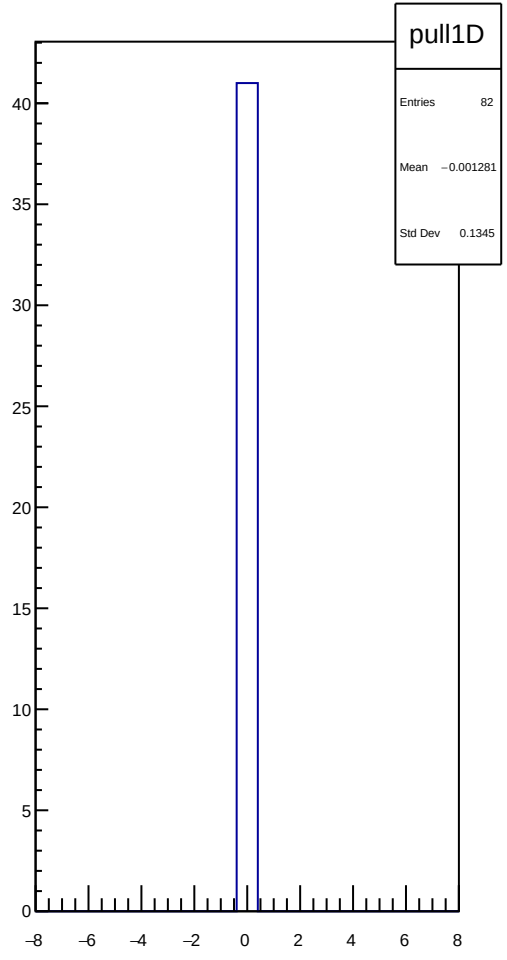

pull1D
Entries 82
Mean −0.0001457
Std Dev 0.1822

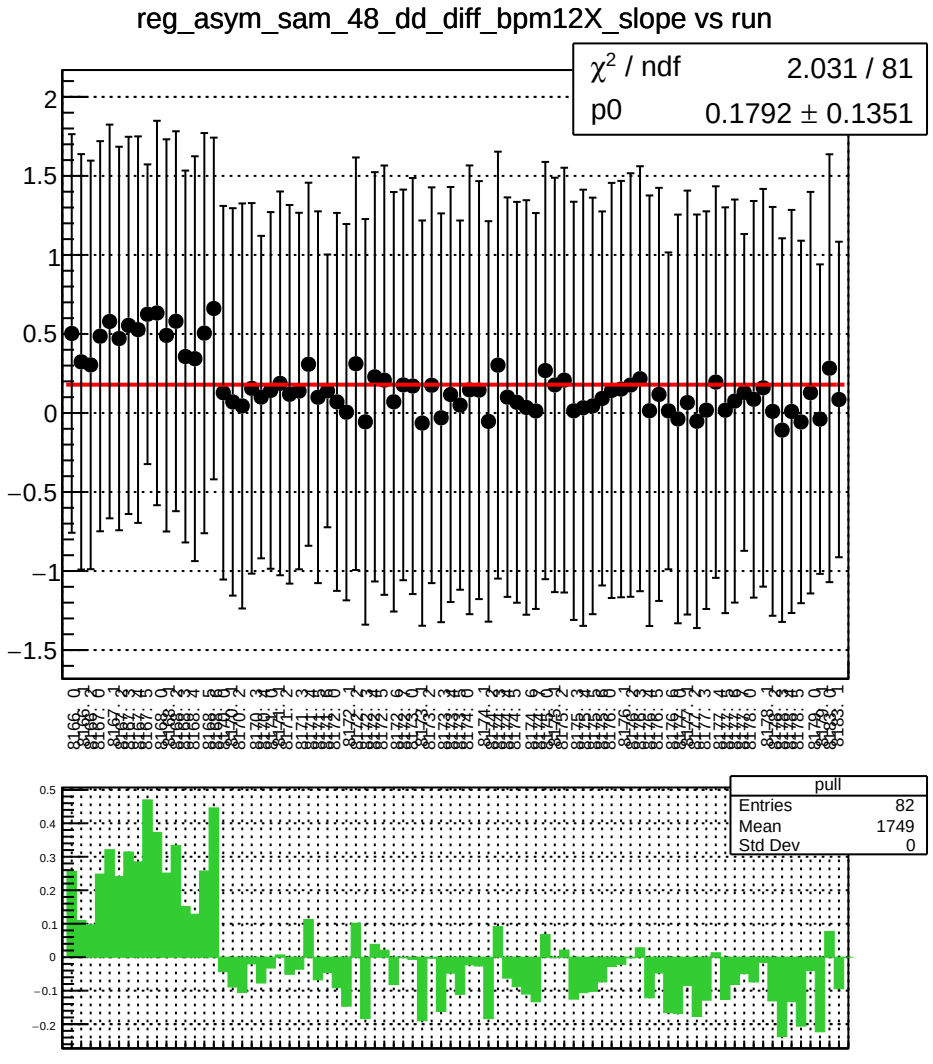

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.277 / 81
p0 −21.14 ± 1.462
pull
Entries 82
Mean 649.3
Std Dev 0
pull1D
Entries 82
Mean −0.00128
Std Dev 0.1248

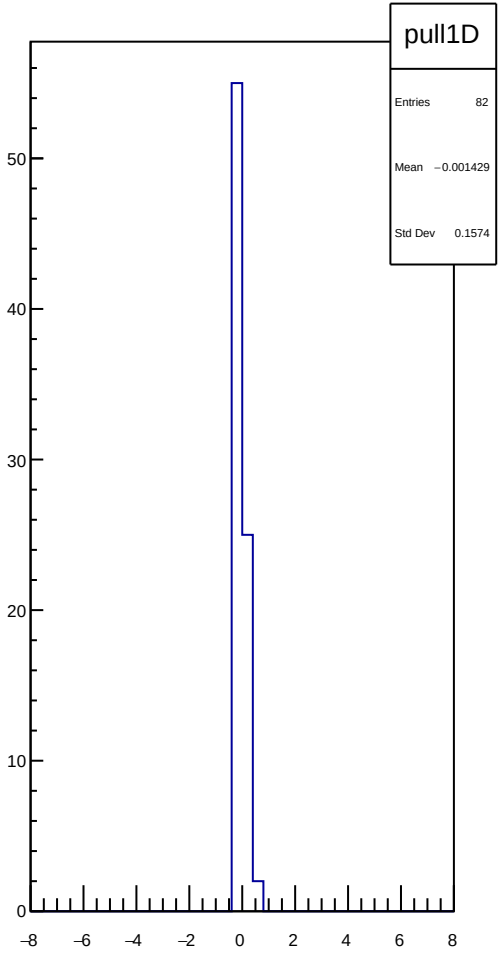

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.83 / 81
p0 61.88 ± 2.71
pull
Entries 82
Mean 548.1
Std Dev 0
pull1D
Entries 82
Mean 0.002095
Std Dev 0.1494

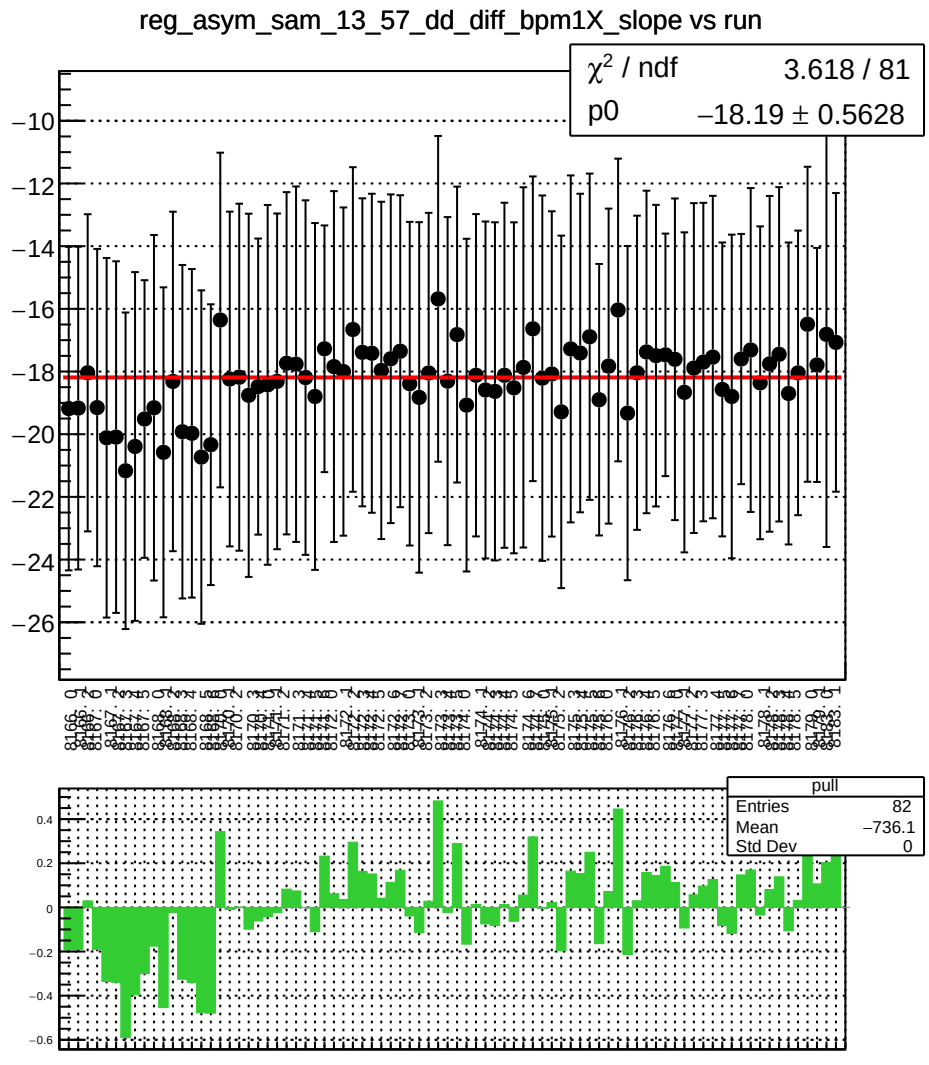

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.214 / 81
p0 −70.06 ± 1.465
pull
Entries 82
Mean −2.33e+04
Std Dev 0
pull1D
Entries 82
Mean 1.051e−05
Std Dev 0.1217

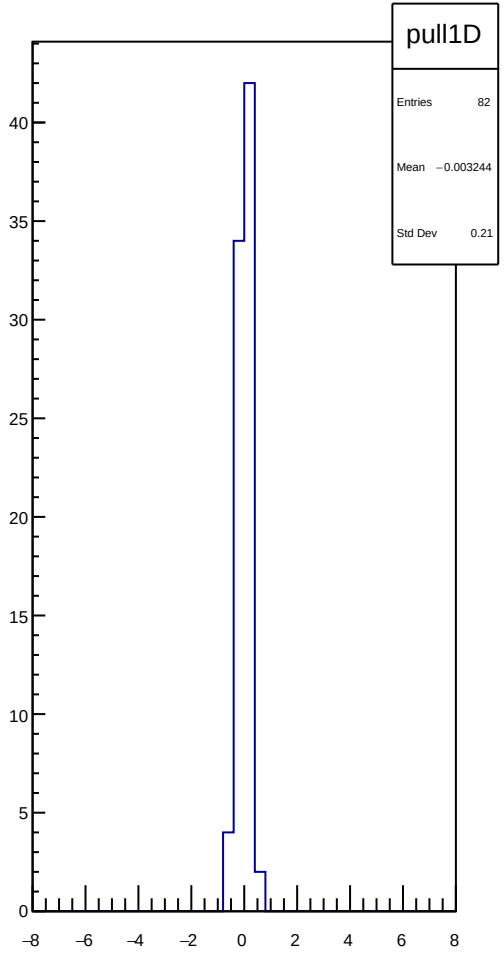

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.484 / 81
p0 61.69 ± 2.899
pull
Entries 82
Mean 316.3
Std Dev 0

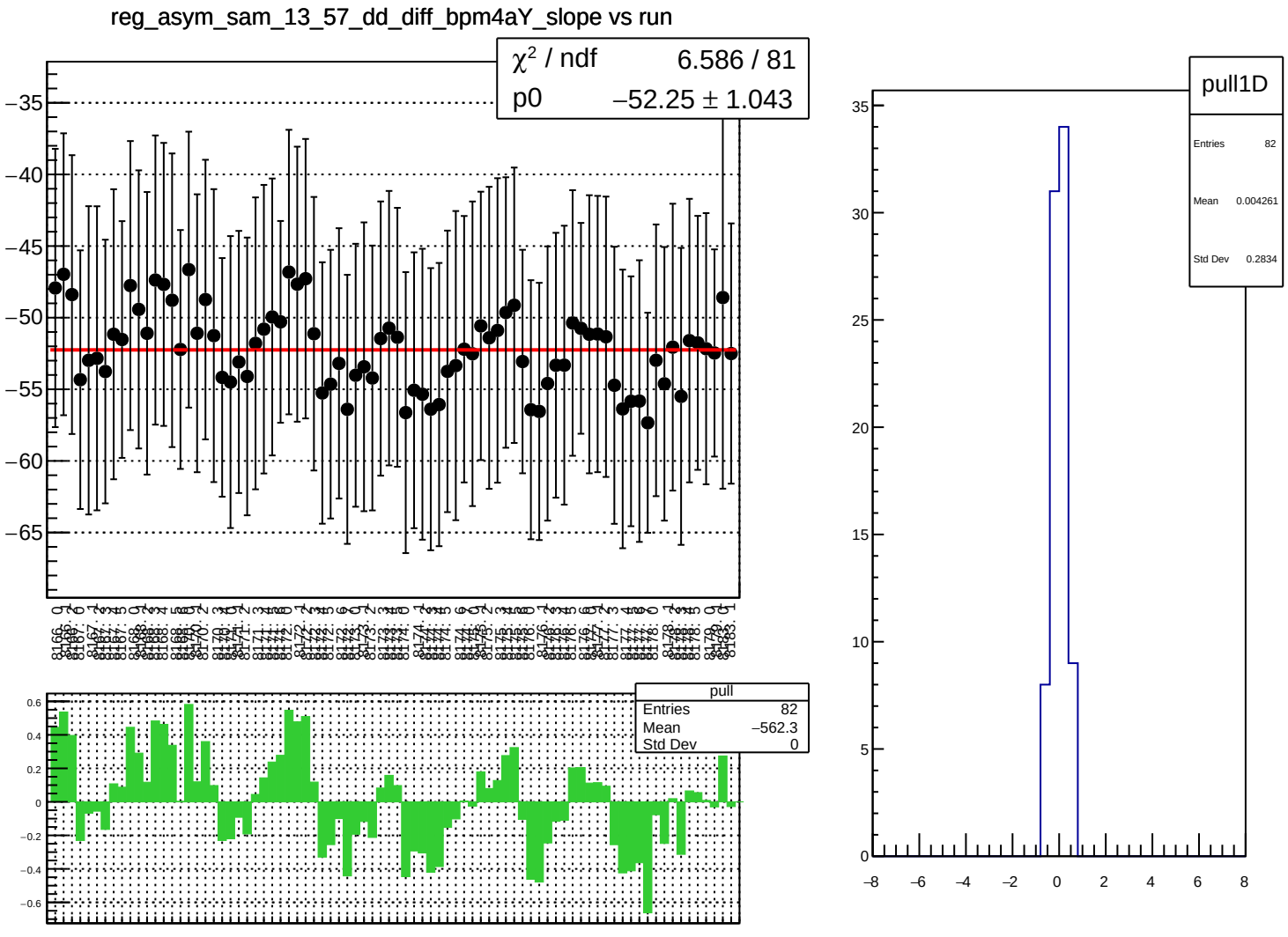

pull1D
Entries 82
Mean −0.001281
Std Dev 0.1345

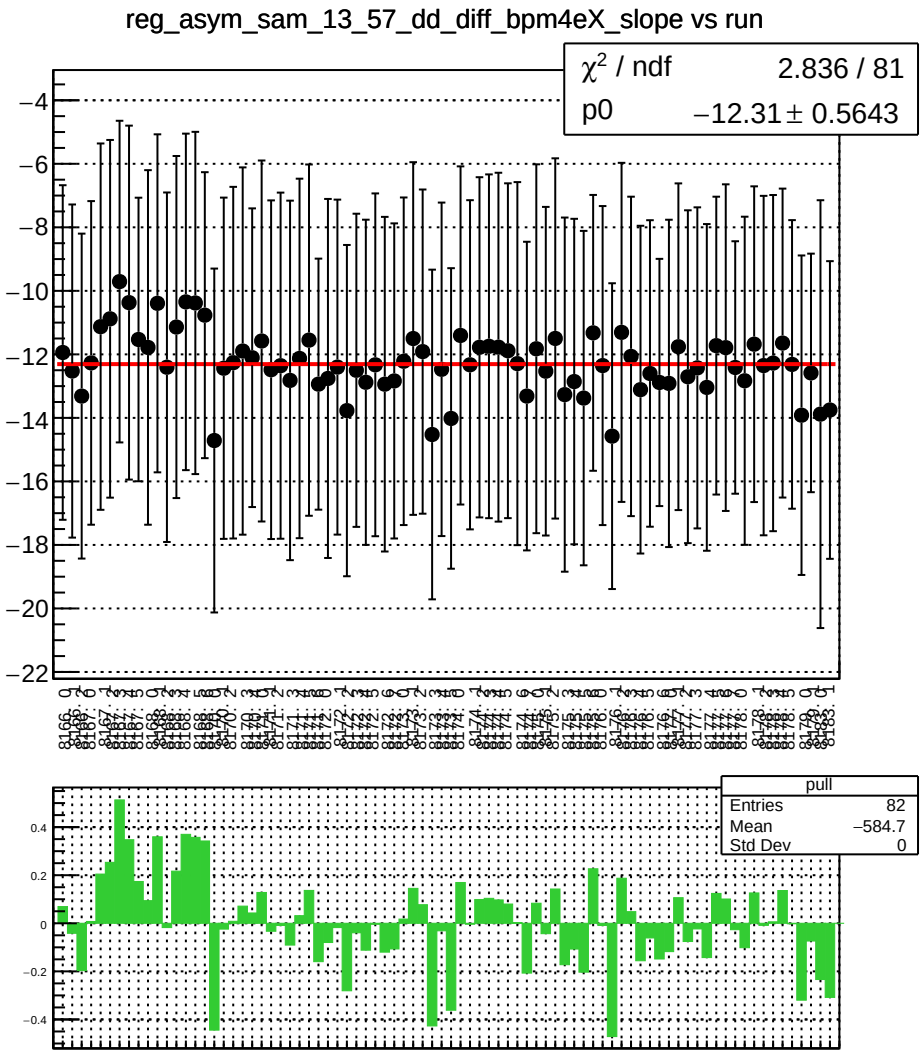

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.031 / 81
p0 0.1792 ± 0.1351
pull
Entries 82
Mean 1749
Std Dev 0

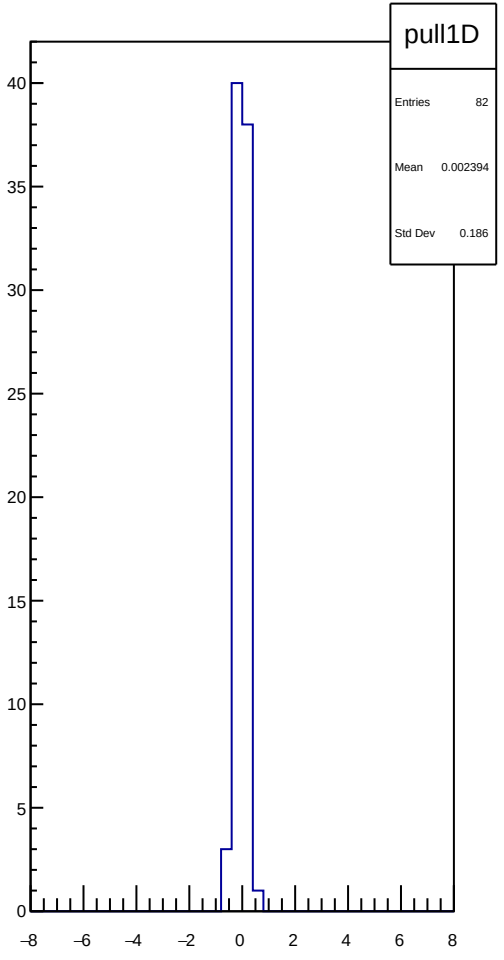

pull1D
Entries 82
Mean −0.001429
Std Dev 0.1574

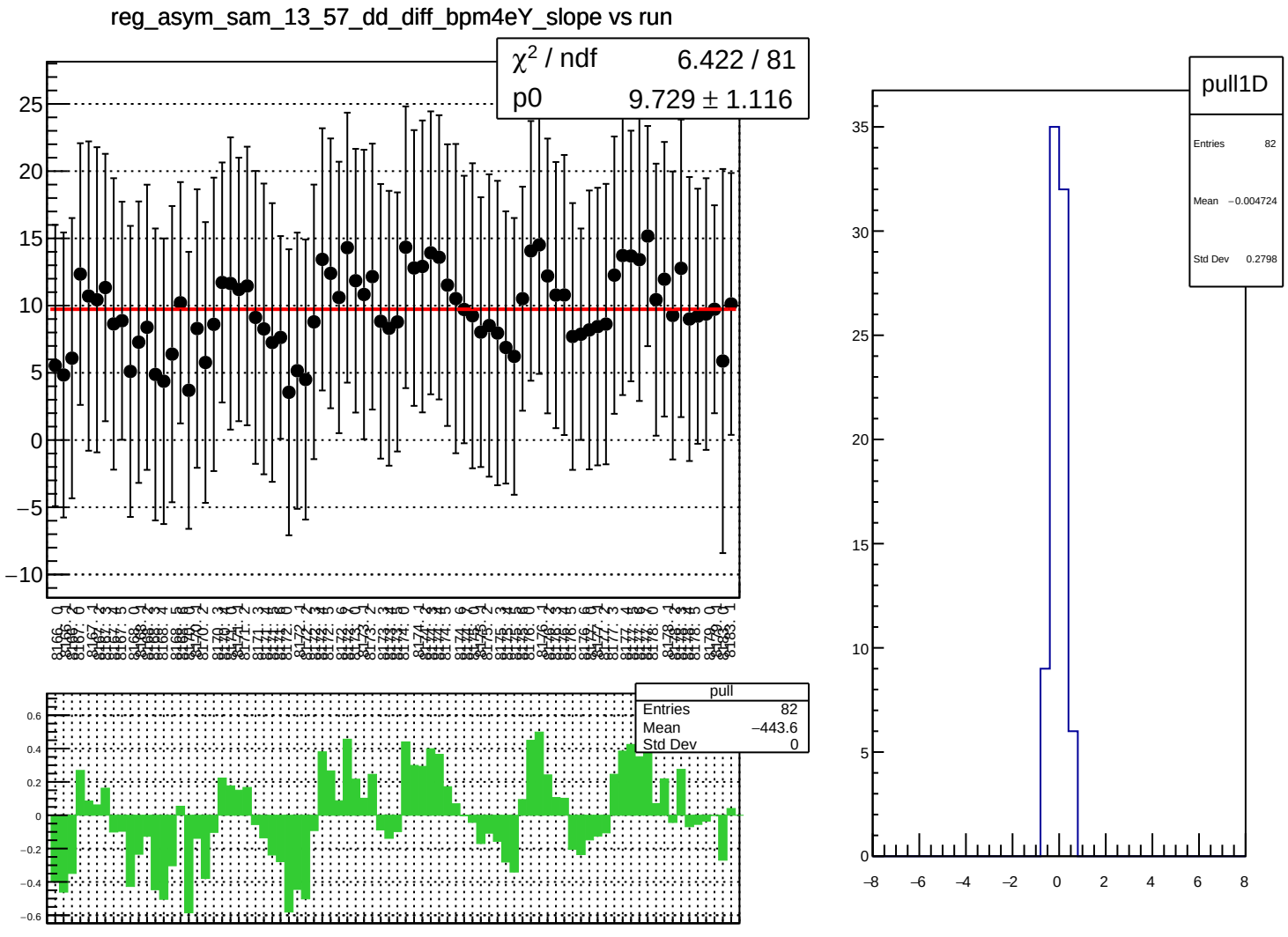

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 3.618 / 81
p0 −18.19 ± 0.5628
pull
Entries 82
Mean −736.1
Std Dev 0

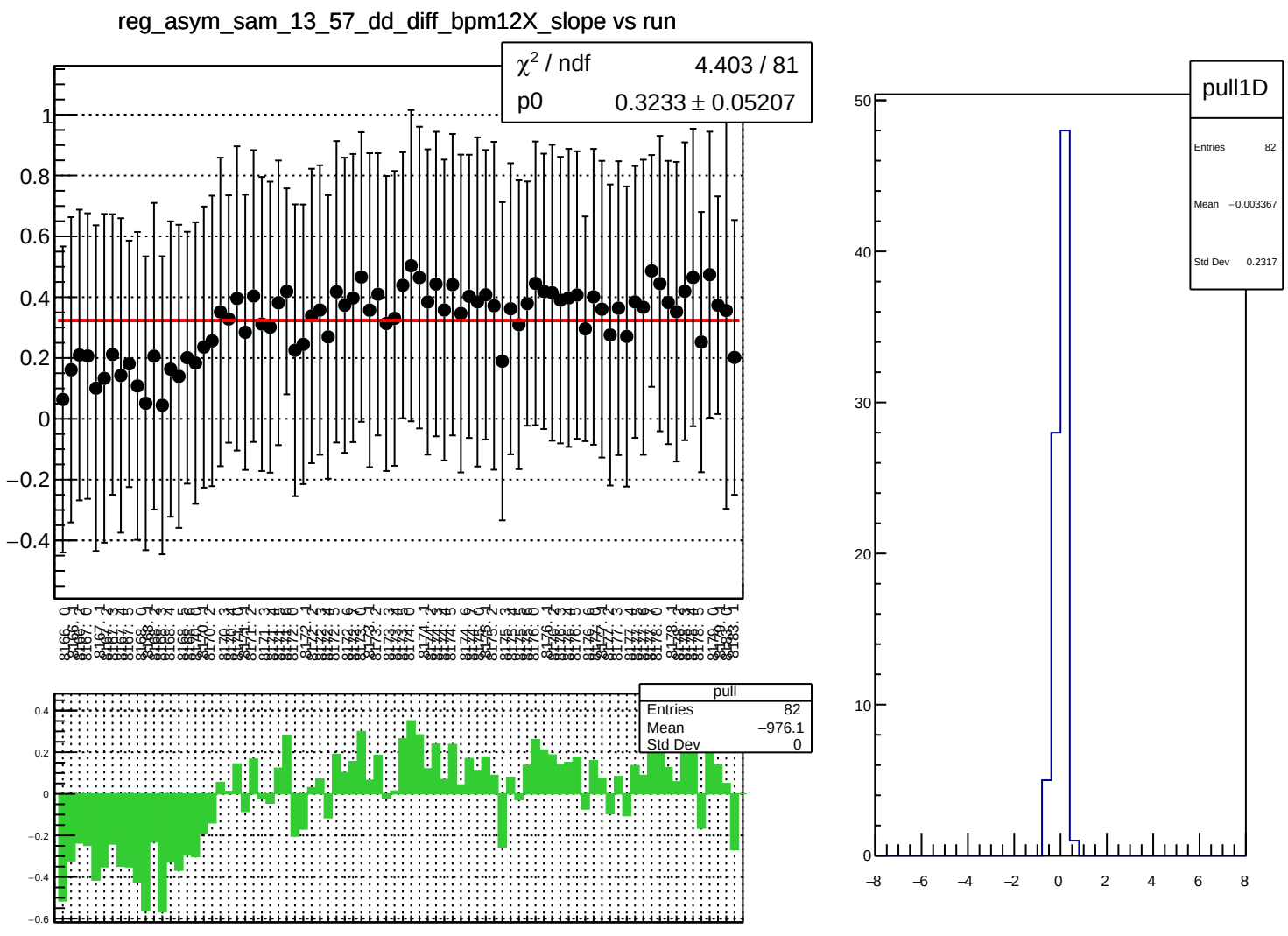

pull1D
Entries 82
Mean −0.003244
Std Dev 0.21

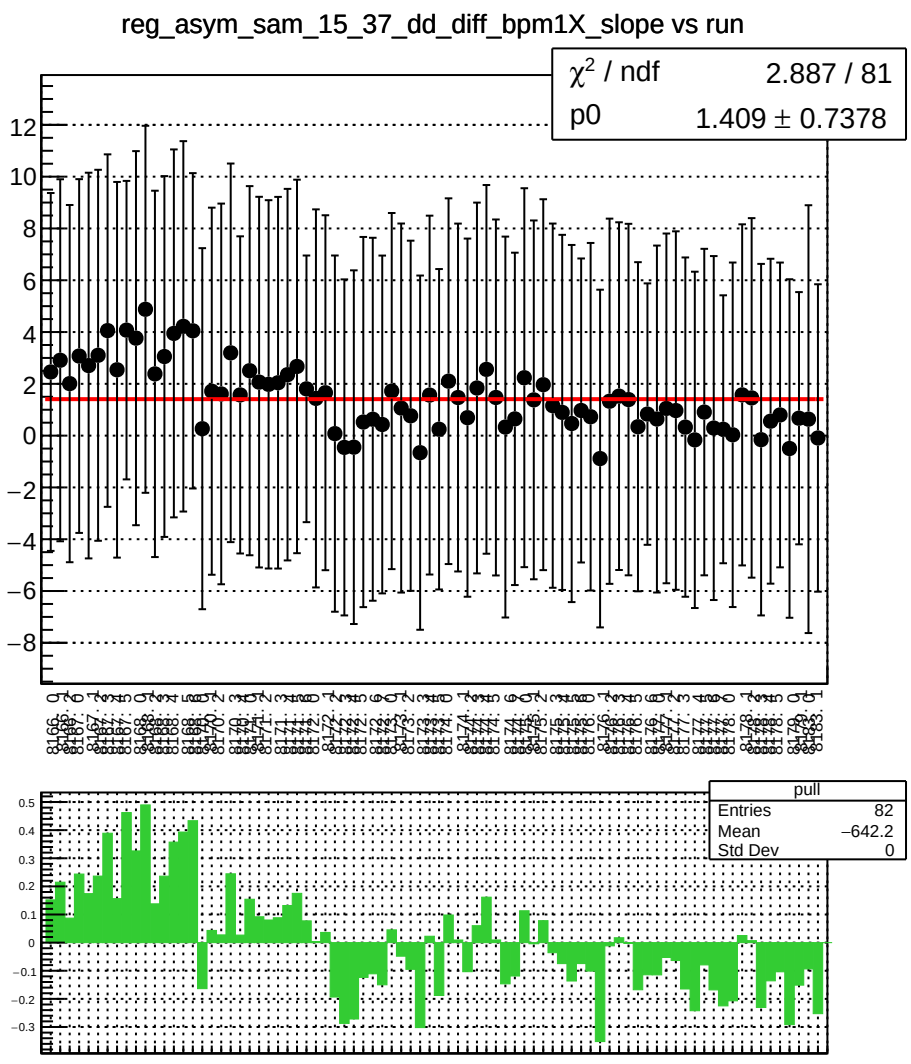

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.586 / 81
p0 −52.25 ± 1.043
pull
Entries 82
Mean −562.3
Std Dev 0
pull1D
Entries 82
Mean 0.004261
Std Dev 0.2834

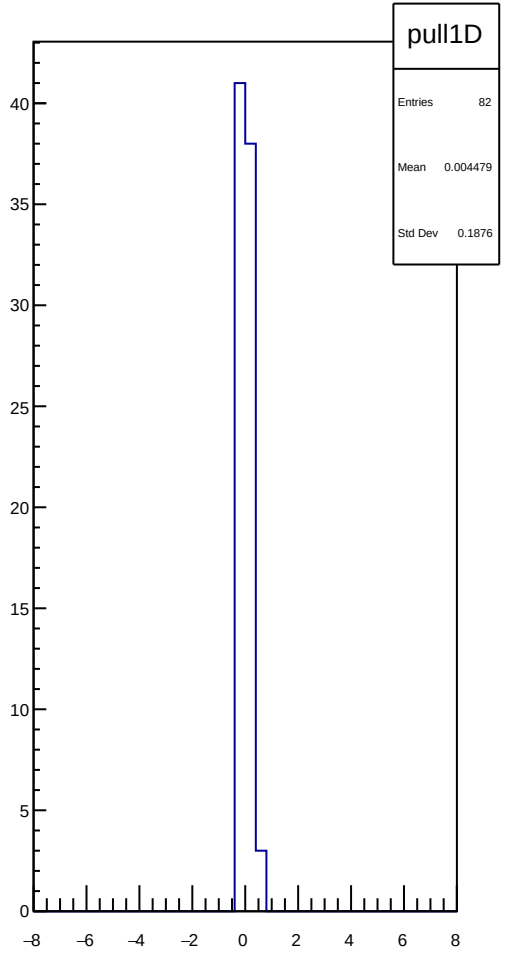

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.836 / 81
p0 −12.31 ± 0.5643
pull
Entries 82
Mean −584.7
Std Dev 0

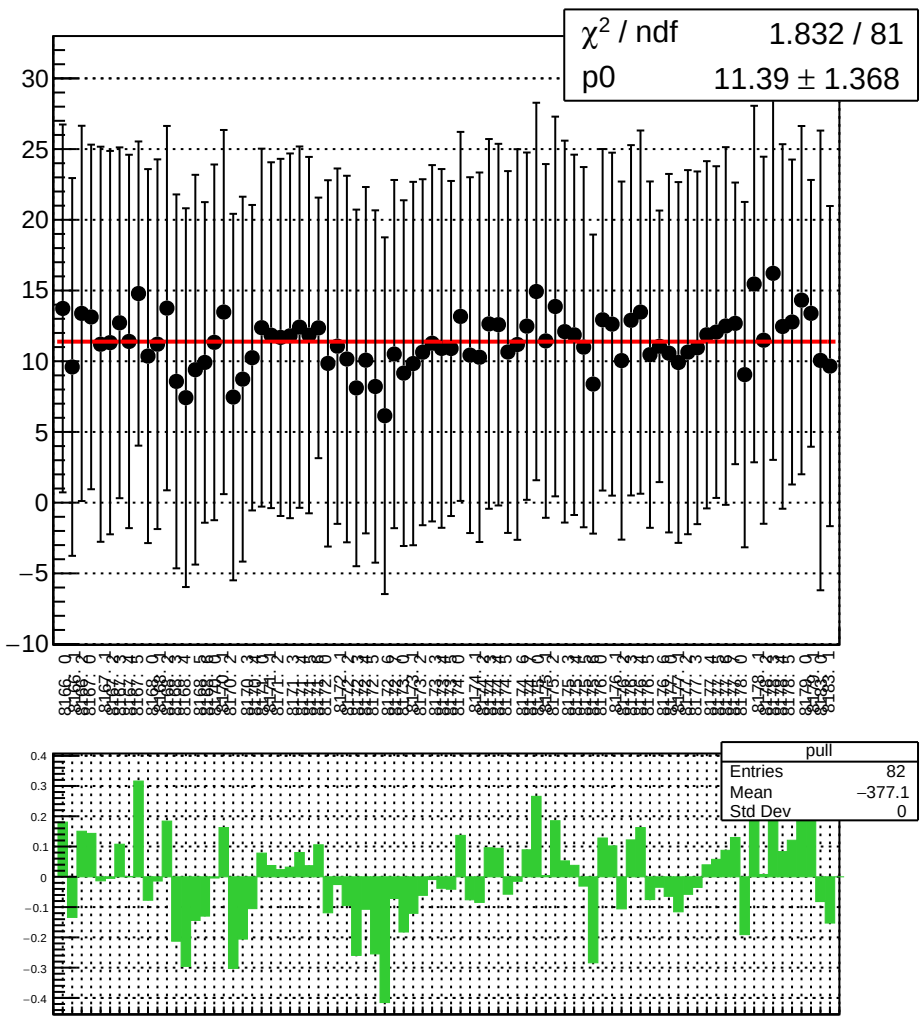

pull1D
Entries 82
Mean 0.002394
Std Dev 0.186

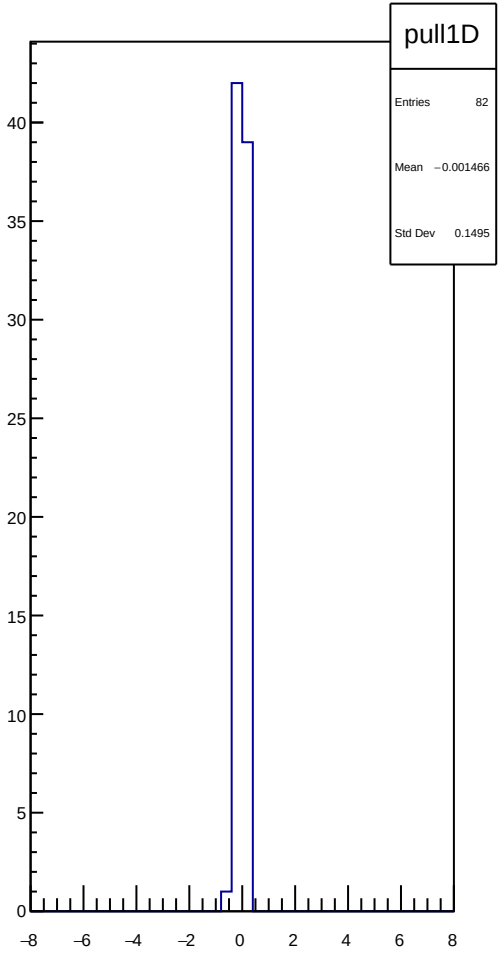

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.422 / 81
p0 9.729 ± 1.116
pull
Entries 82
Mean −443.6
Std Dev 0
pull1D
Entries 82
Mean −0.004724
Std Dev 0.2798

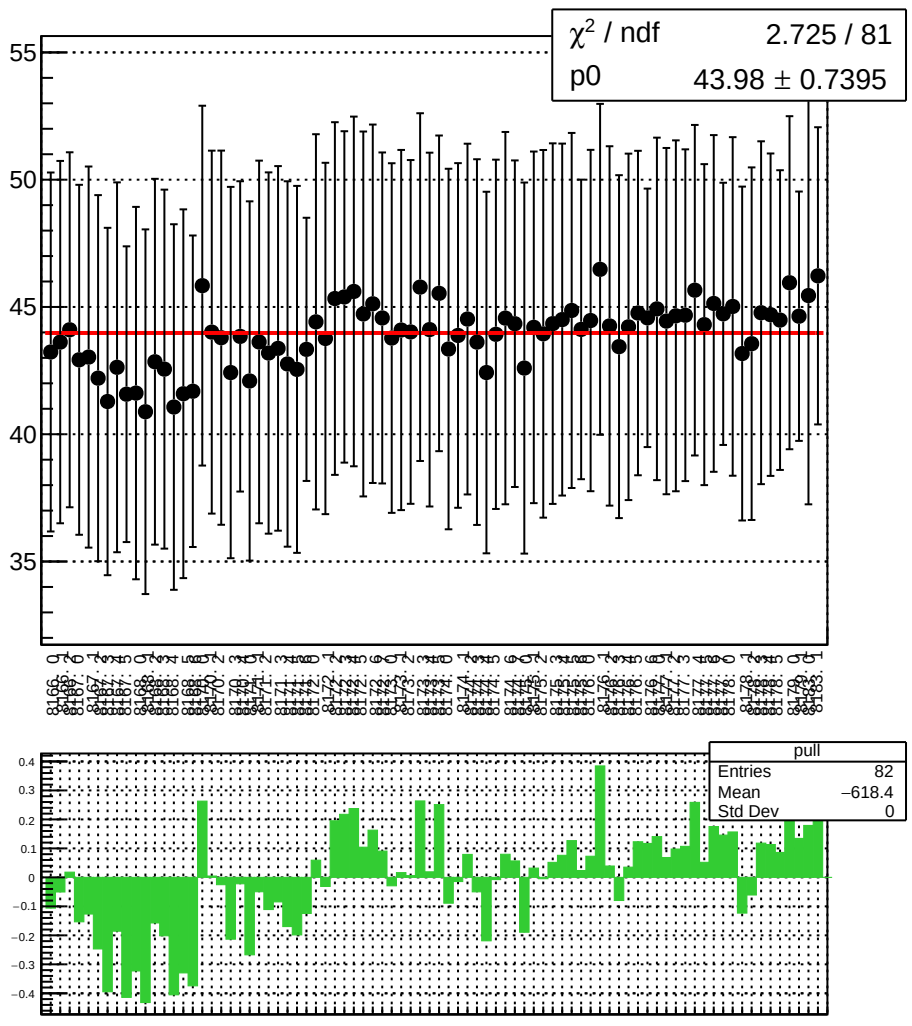

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 4.403 / 81
p0 0.3233 ± 0.05207
pull
Entries 82
Mean −976.1
Std Dev 0
pull1D
Entries 82
Mean −0.003367
Std Dev 0.2317

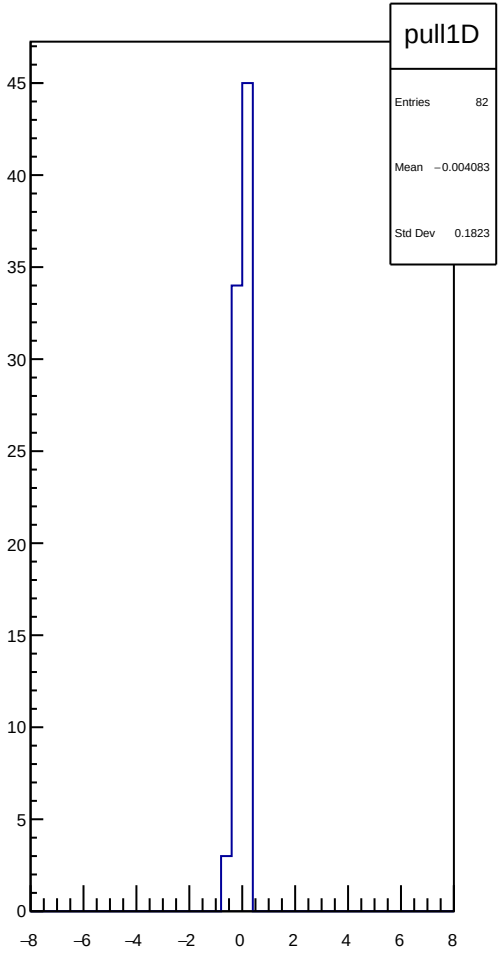

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.887 / 81
p0 1.409 ± 0.7378
pull
Entries 82
Mean −642.2
Std Dev 0

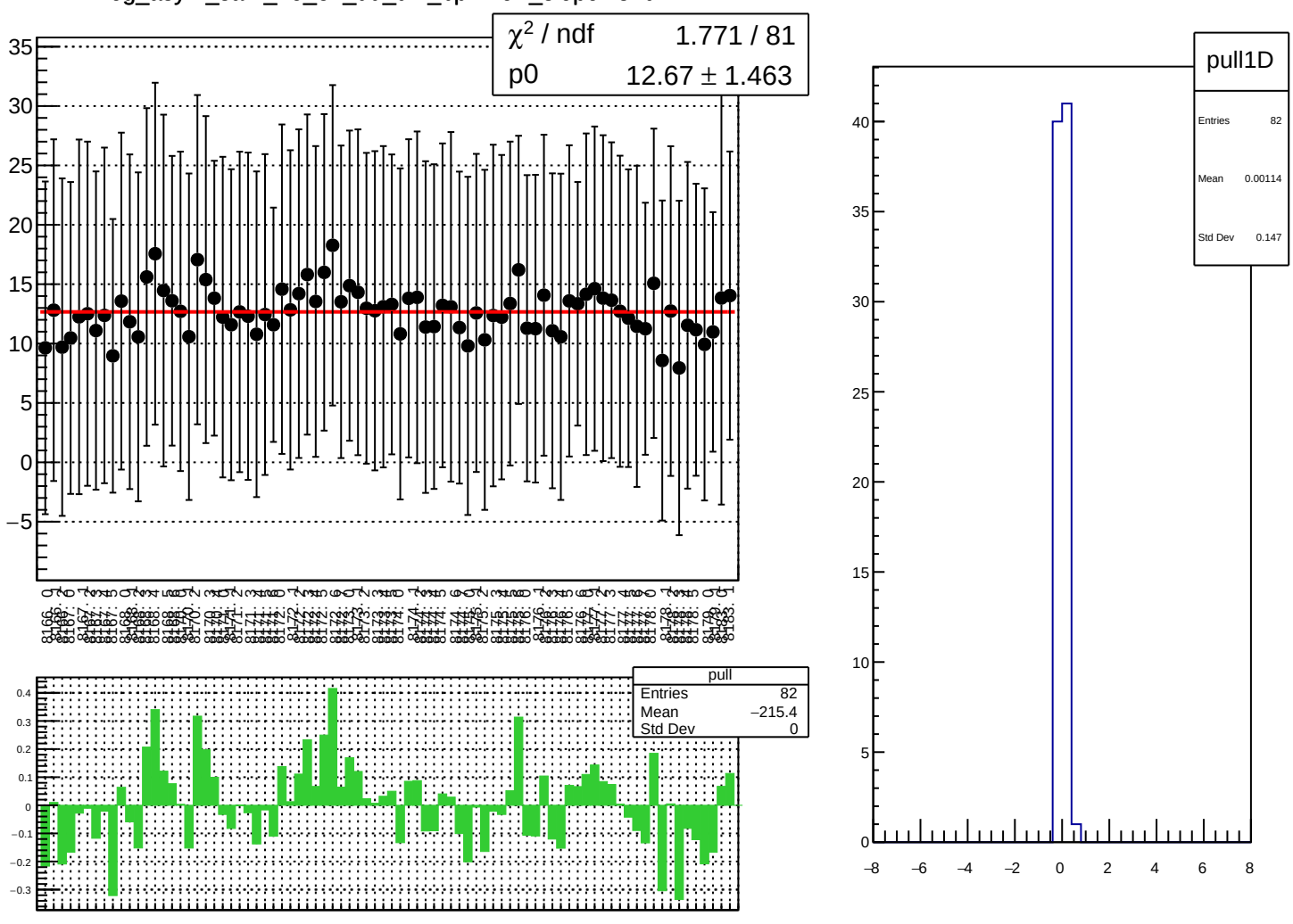

pull1D
Entries 82
Mean 0.004479
Std Dev 0.1876

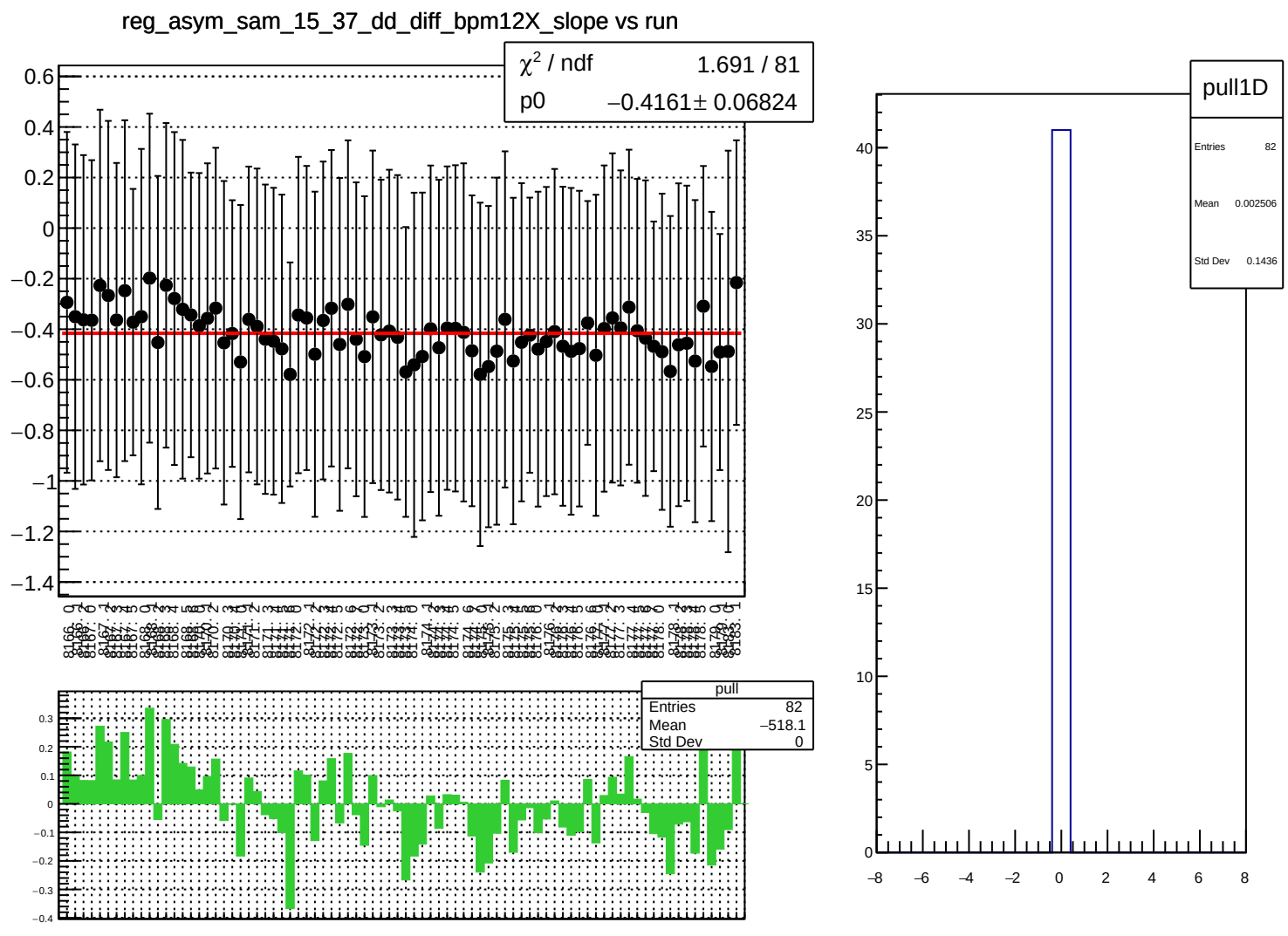

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.832 / 81
p0 11.39 ± 1.368
pull
Entries 82
Mean −377.1
Std Dev 0

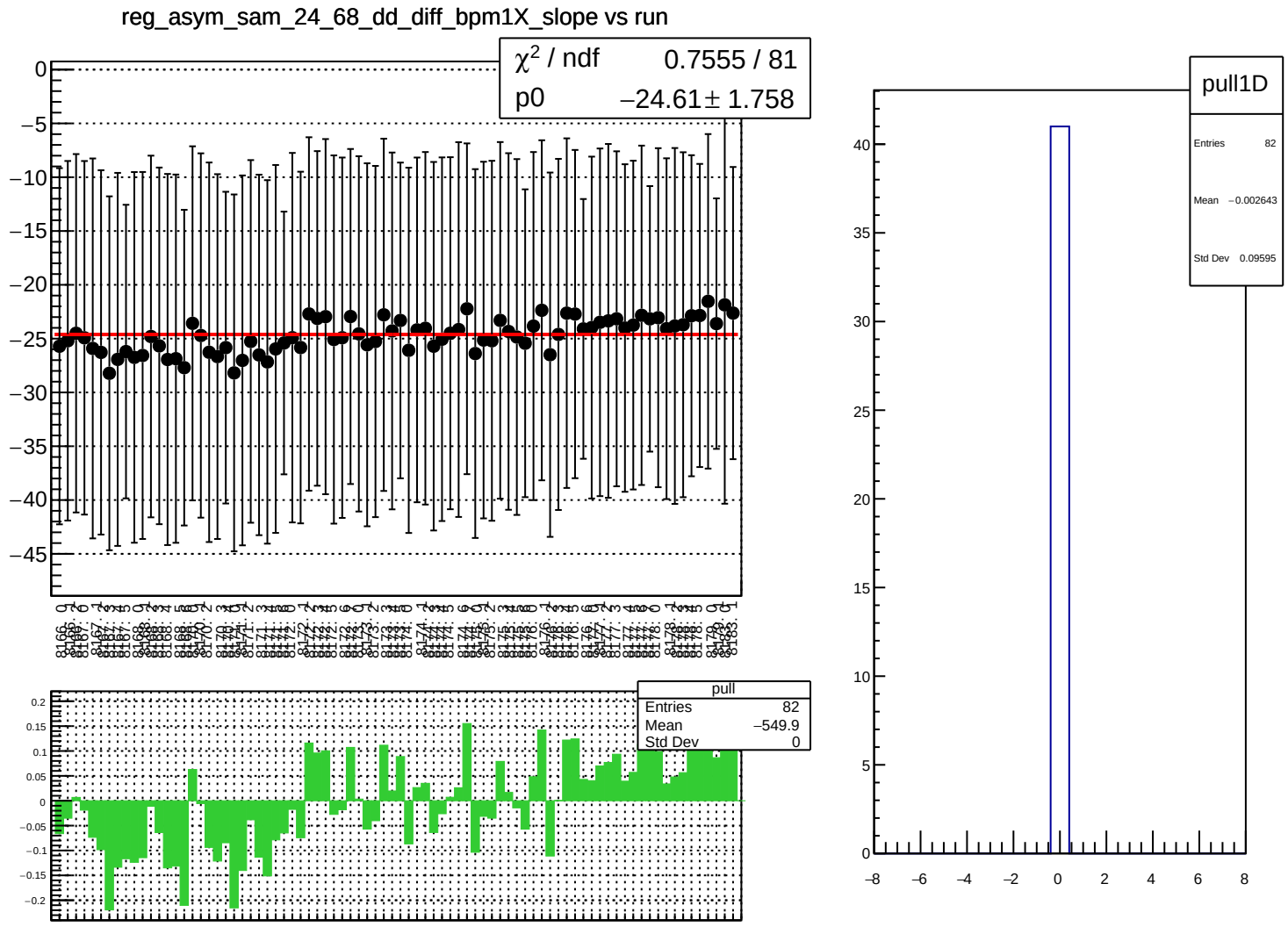

pull1D
Entries 82
Mean −0.001466
Std Dev 0.1495

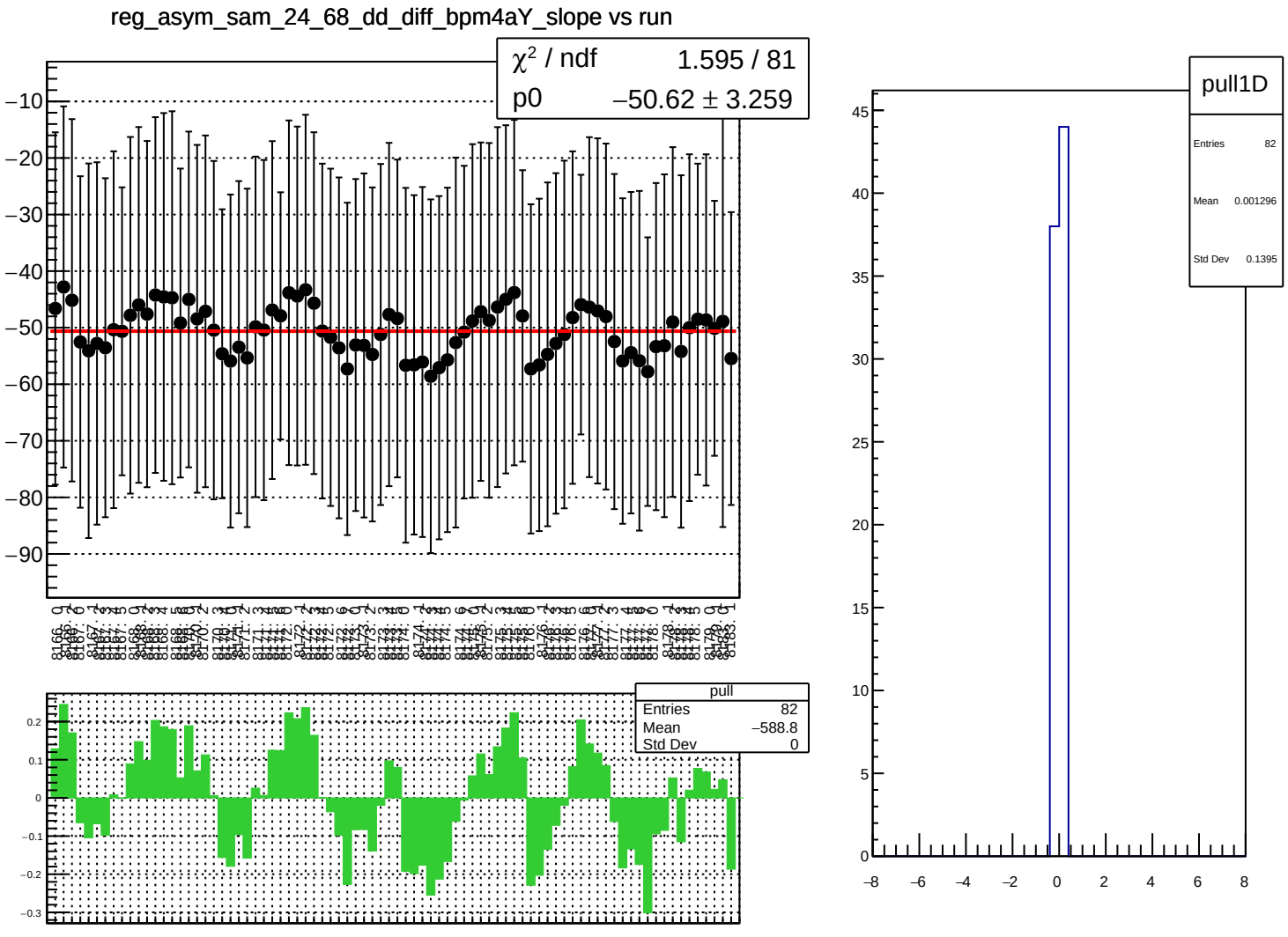

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.725 / 81
p0 43.98 ± 0.7395
pull
Entries 82
Mean −618.4
Std Dev 0

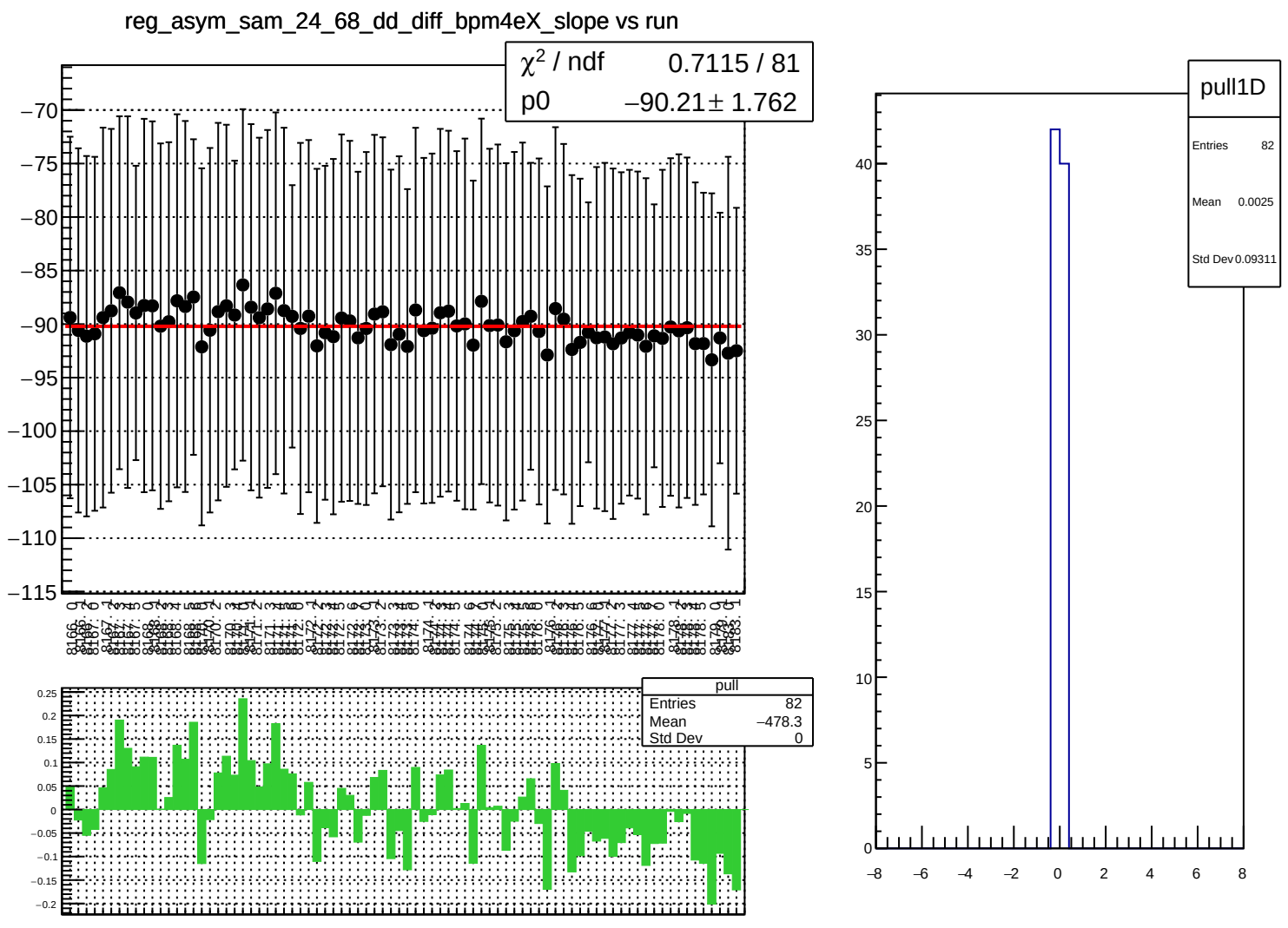

pull1D
Entries 82
Mean −0.004083
Std Dev 0.1823

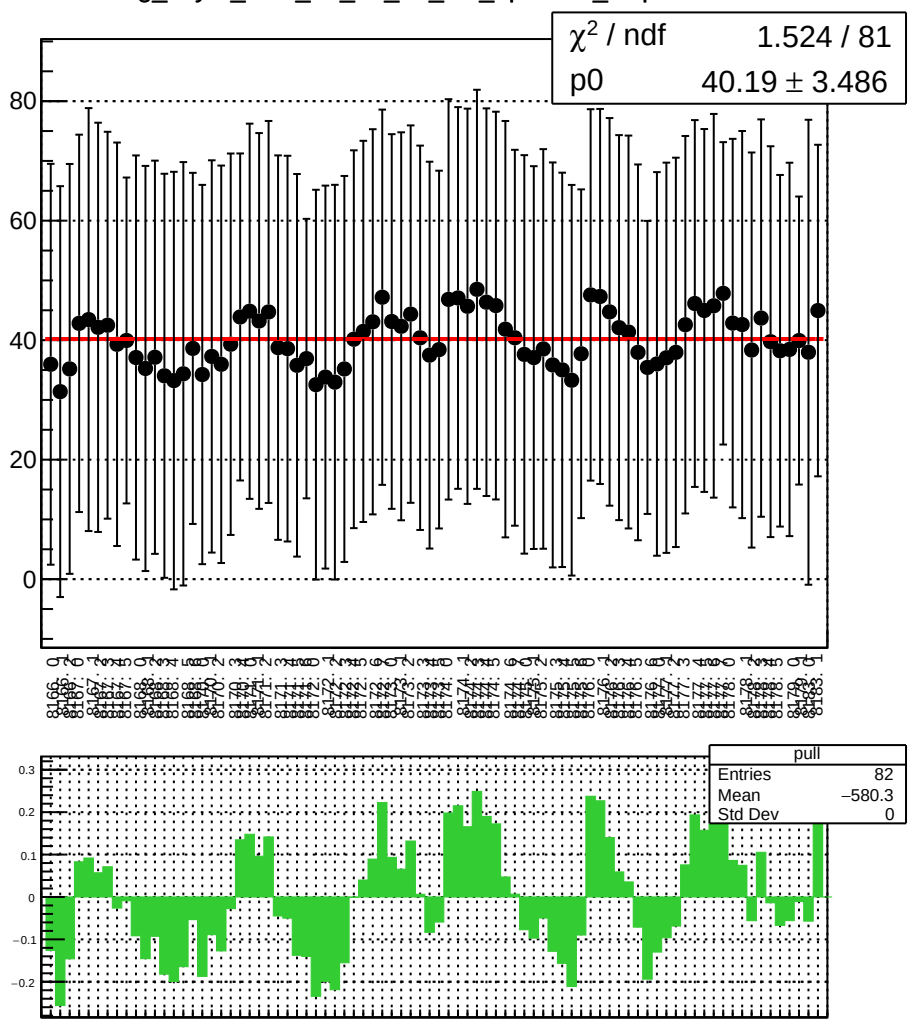

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.771 / 81
p0 12.67 ± 1.463
pull
Entries 82
Mean −215.4
Std Dev 0
pull1D
Entries 82
Mean 0.00114
Std Dev 0.147

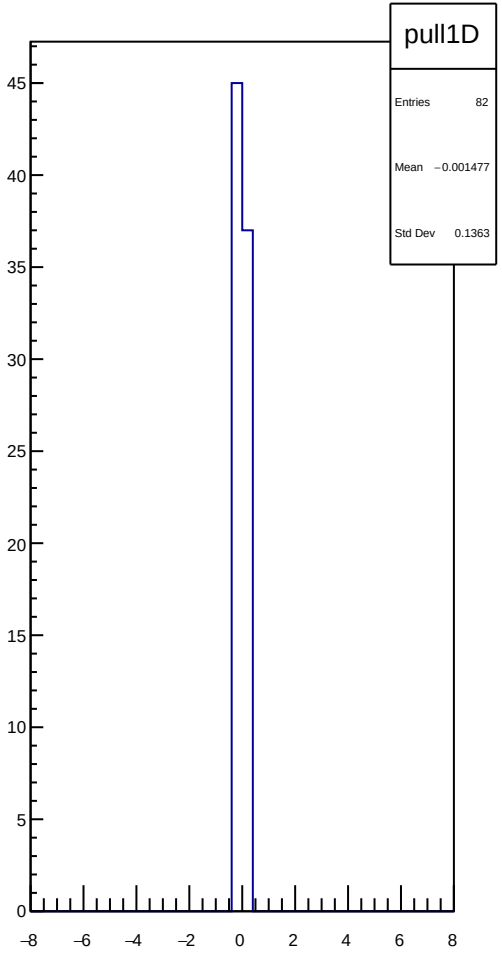

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.691 / 81
p0 −0.4161± 0.06824
pull
Entries 82
Mean −518.1
Std Dev 0
pull1D
Entries 82
Mean 0.002506
Std Dev 0.1436

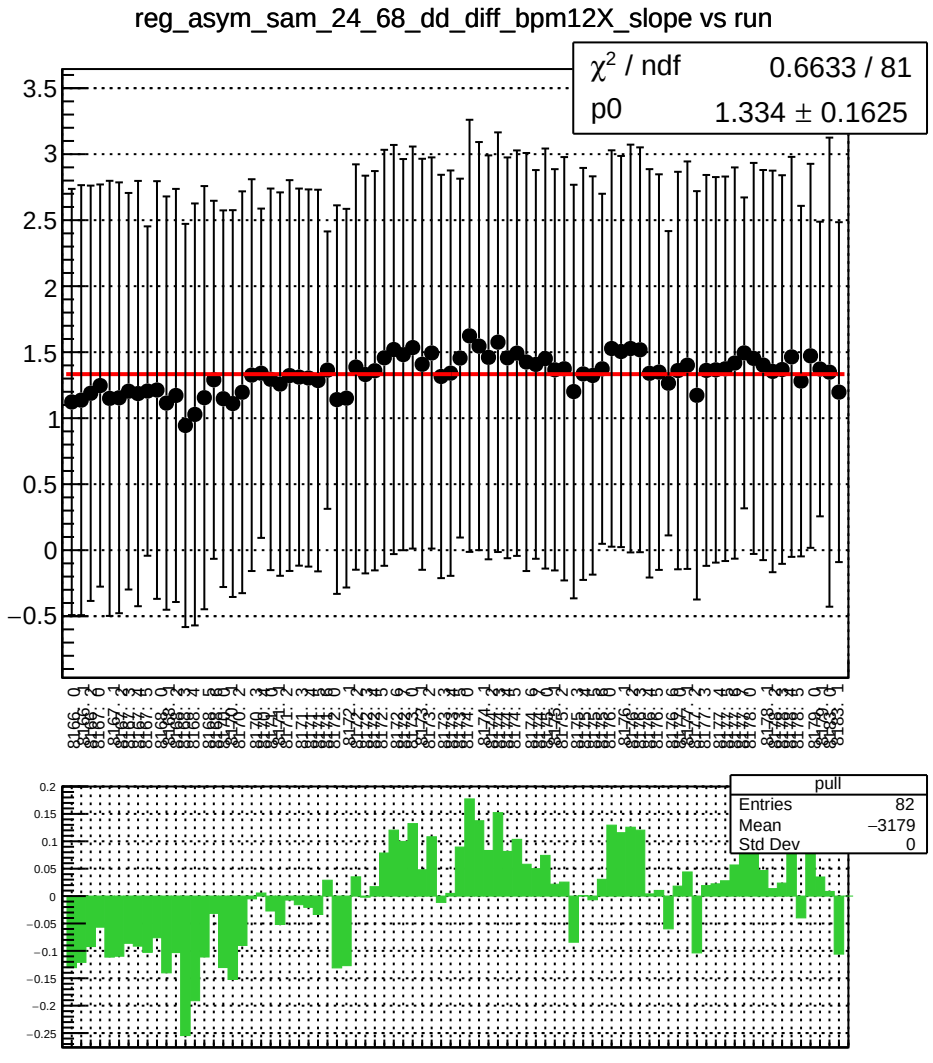

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7555 / 81
p0 −24.61 ± 1.758
pull
Entries 82
Mean −549.9
Std Dev 0
pull1D
Entries 82
Mean −0.002643
Std Dev 0.09595

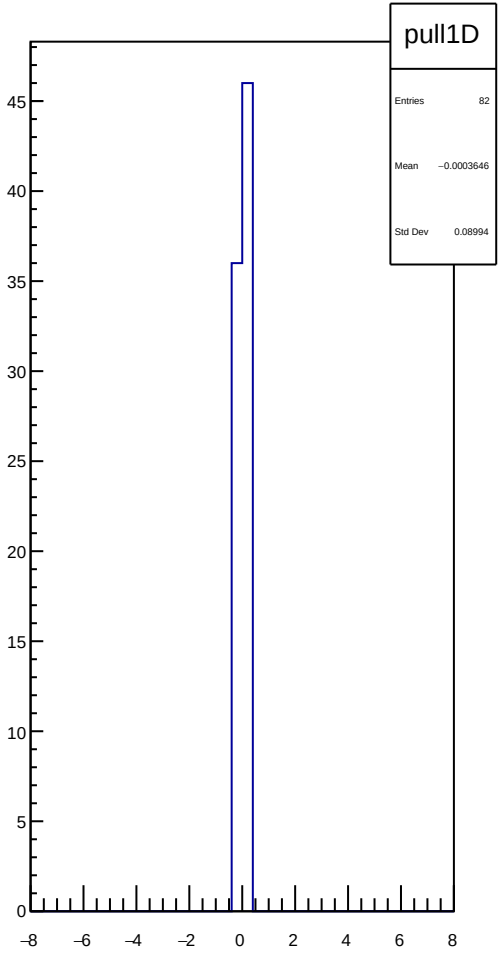

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.595 / 81
p0 −50.62 ± 3.259
pull
Entries 82
Mean −588.8
Std Dev 0
pull1D
Entries 82
Mean 0.001296
Std Dev 0.1395

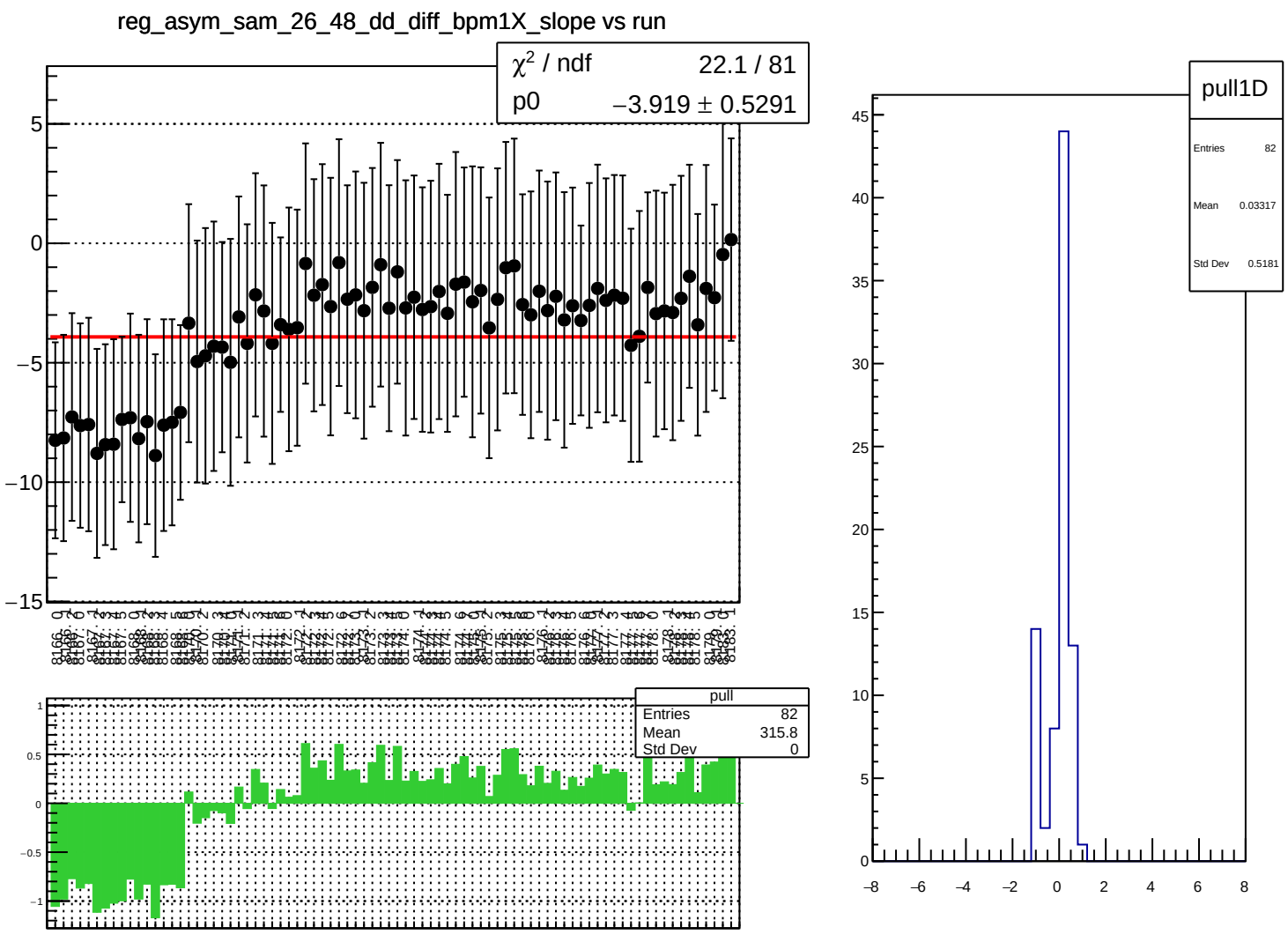

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7115 / 81
p0 −90.21± 1.762
pull
Entries 82
Mean −478.3
Std Dev 0
pull1D
Entries 82
Mean 0.0025
Std Dev 0.09311

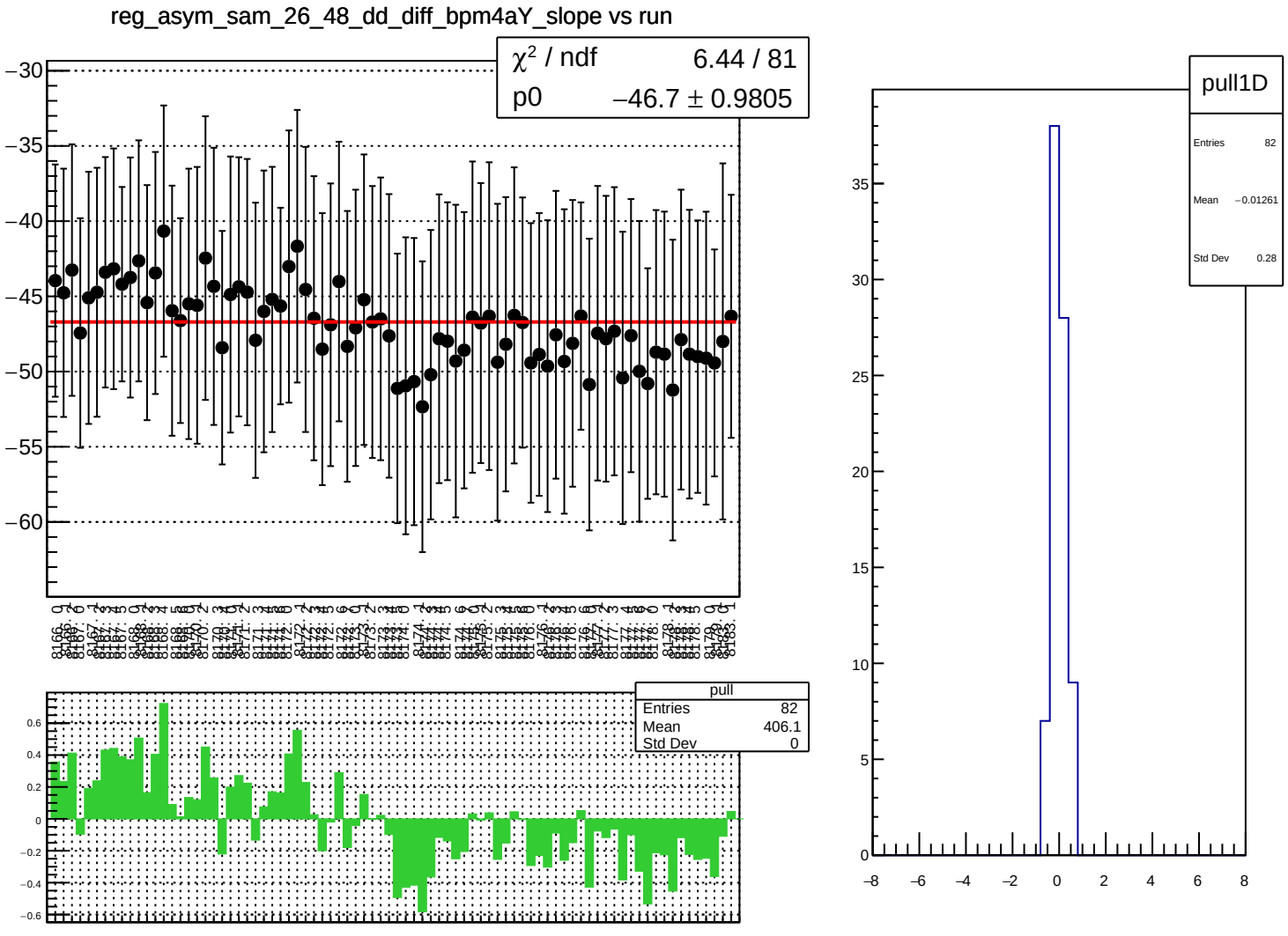

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.524 / 81
p0 40.19 ± 3.486
pull
Entries 82
Mean −580.3
Std Dev 0

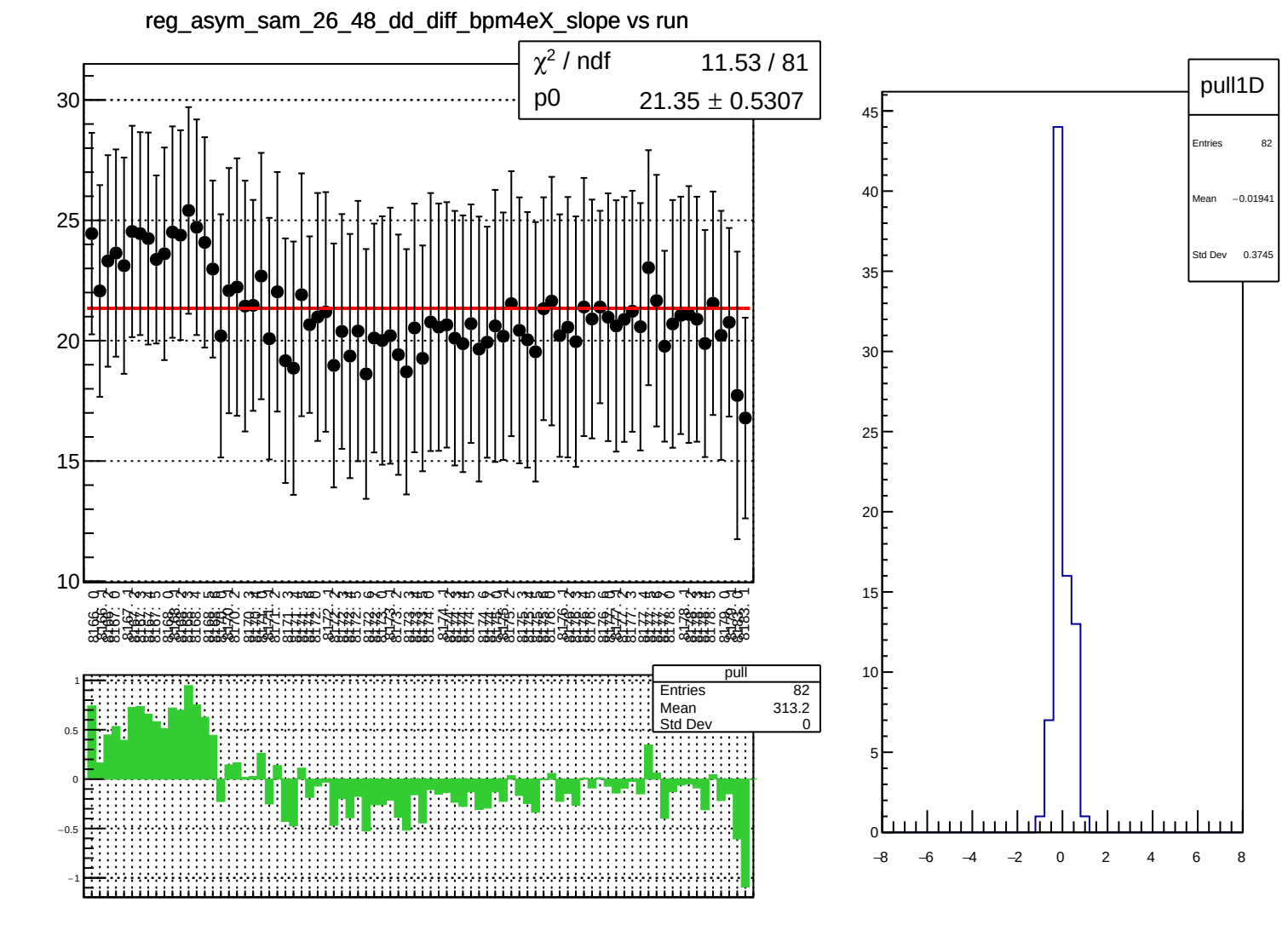

pull1D
Entries 82
Mean −0.001477
Std Dev 0.1363

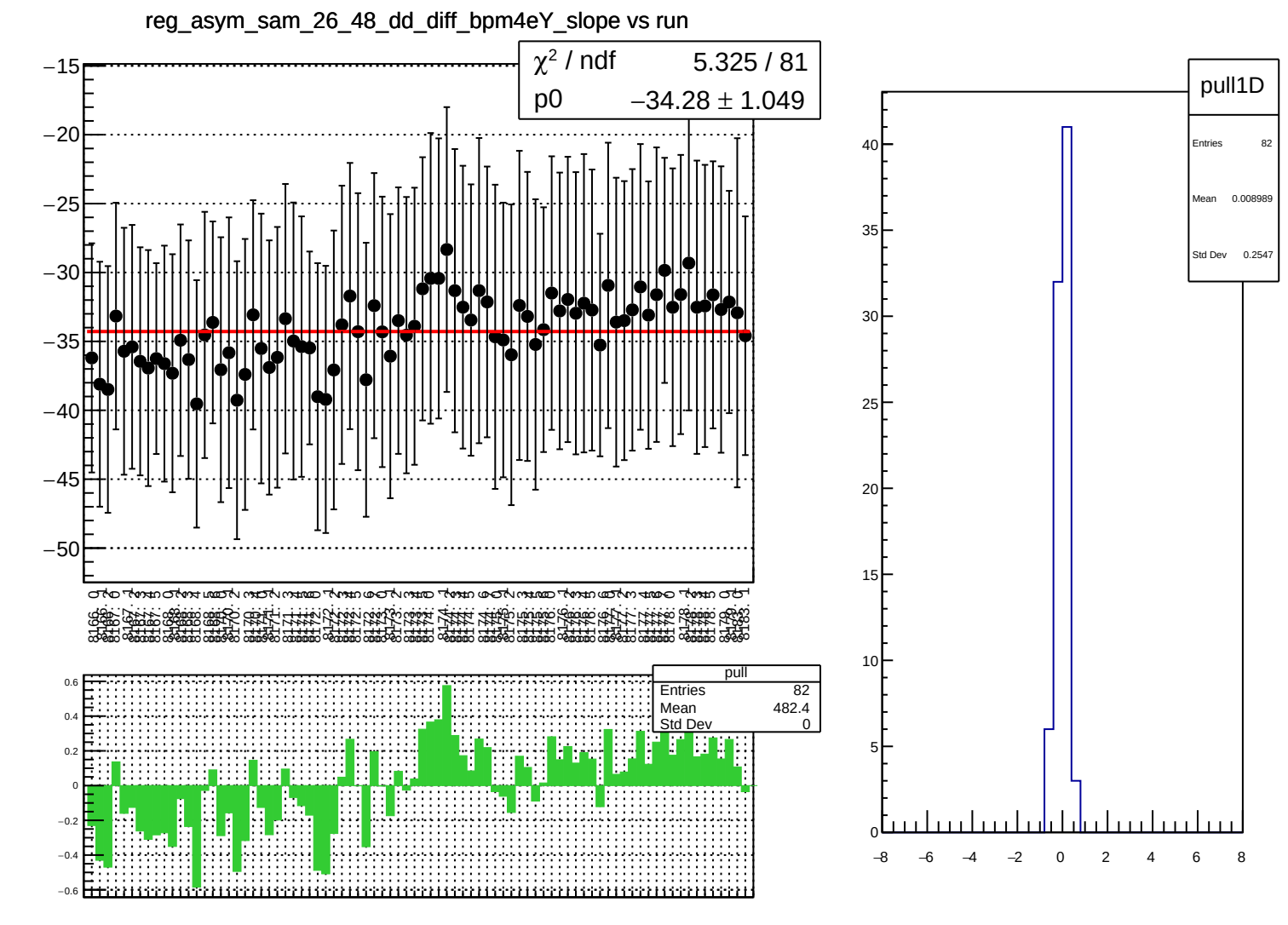

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6633 / 81
p0 1.334 ± 0.1625
pull
Entries 82
Mean −3179
Std Dev 0

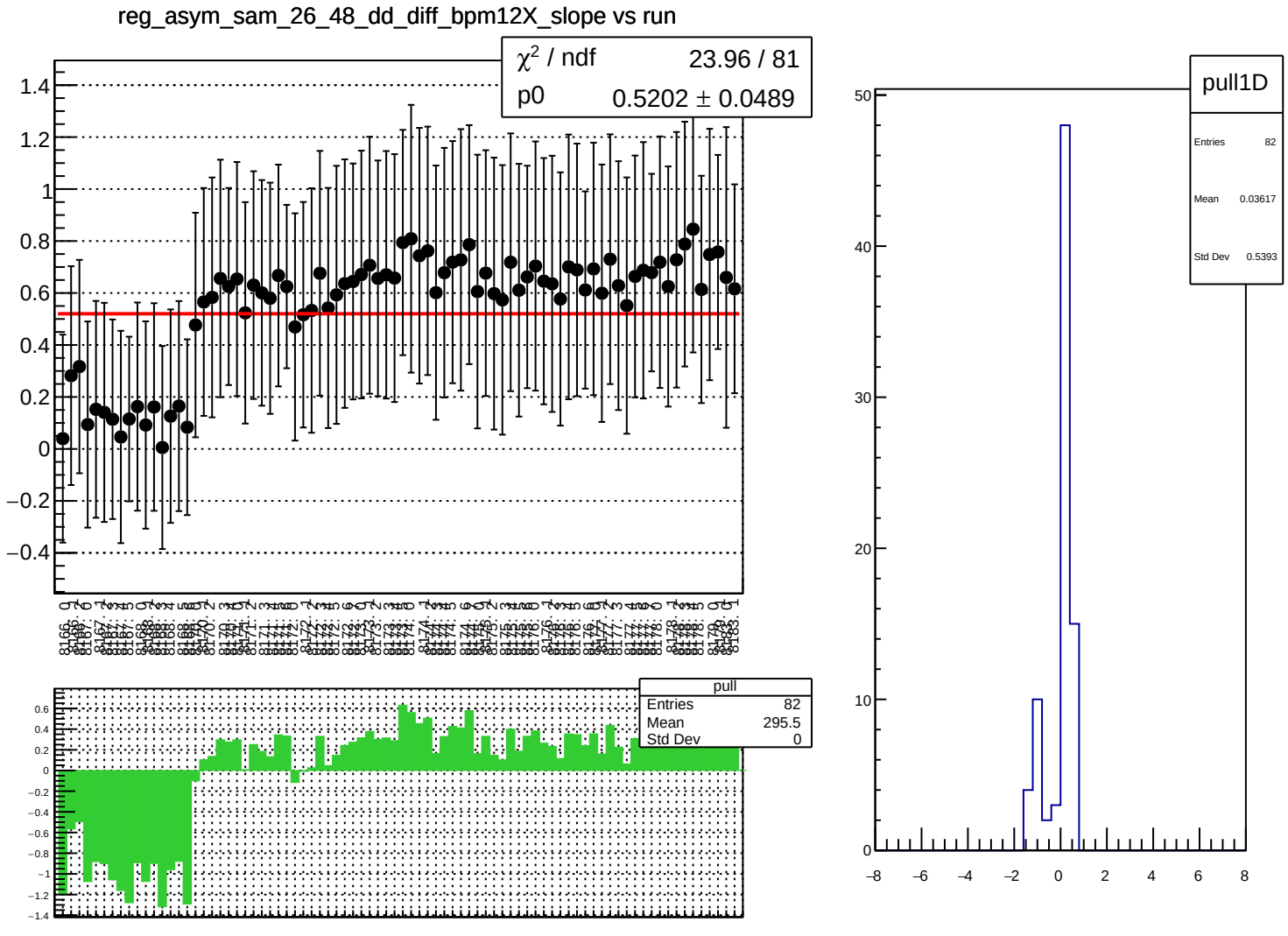

pull1D
Entries 82
Mean −0.0003646
Std Dev 0.08994

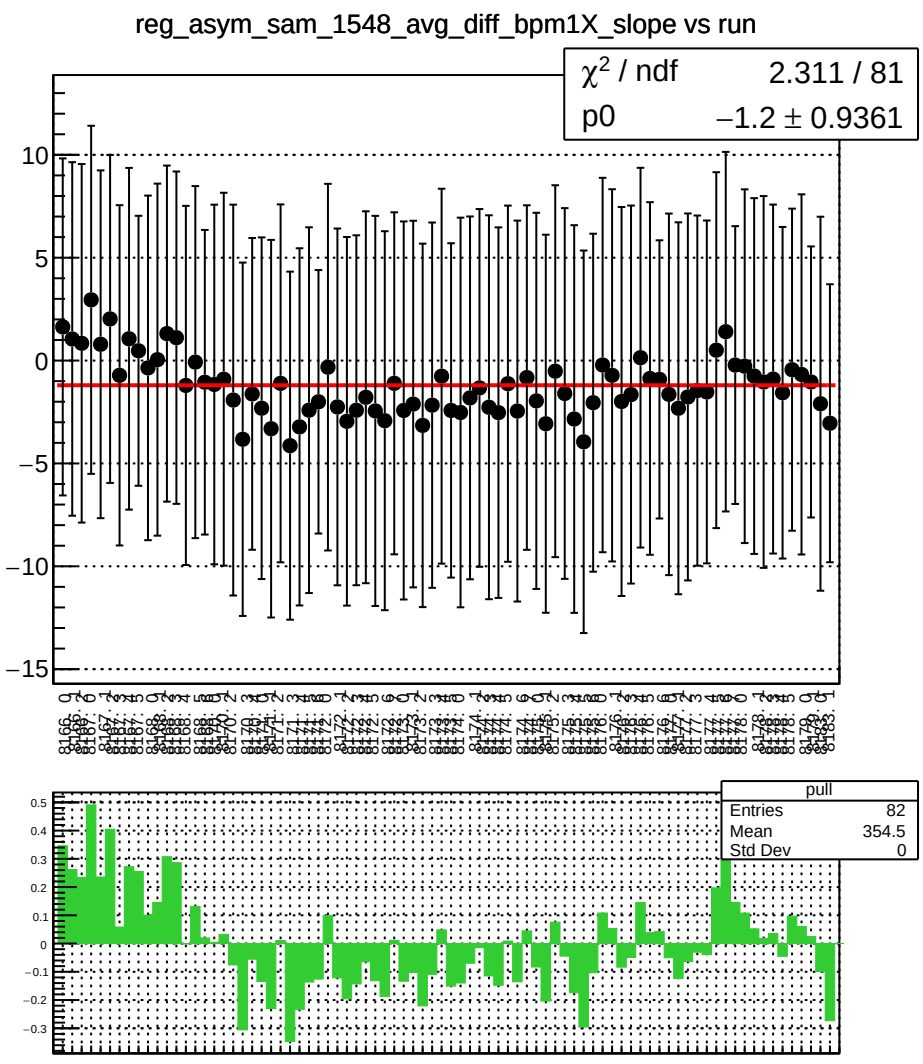

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 22.1 / 81
p0 −3.919 ± 0.5291
pull
Entries 82
Mean 315.8
Std Dev 0
pull1D
Entries 82
Mean 0.03317
Std Dev 0.5181

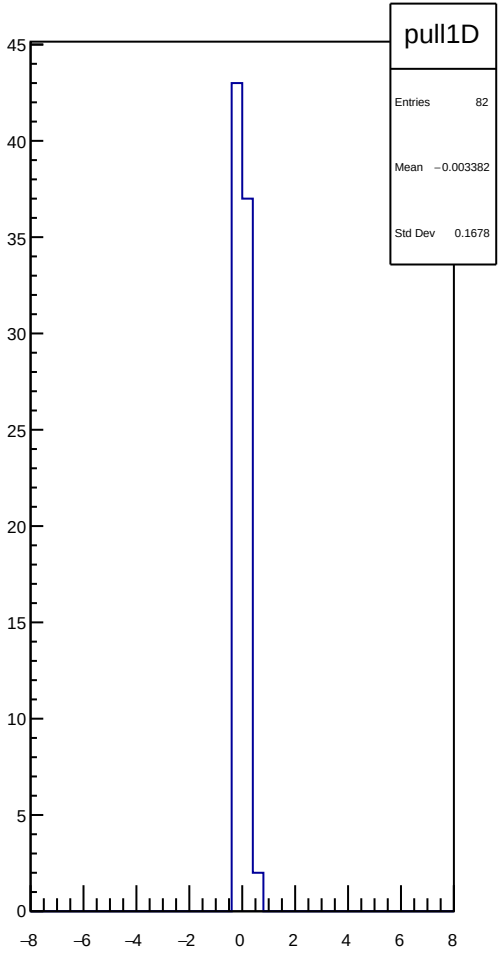

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.44 / 81
p0 −46.7 ± 0.9805
pull
Entries 82
Mean 406.1
Std Dev 0
pull1D
Entries 82
Mean −0.01261
Std Dev 0.28

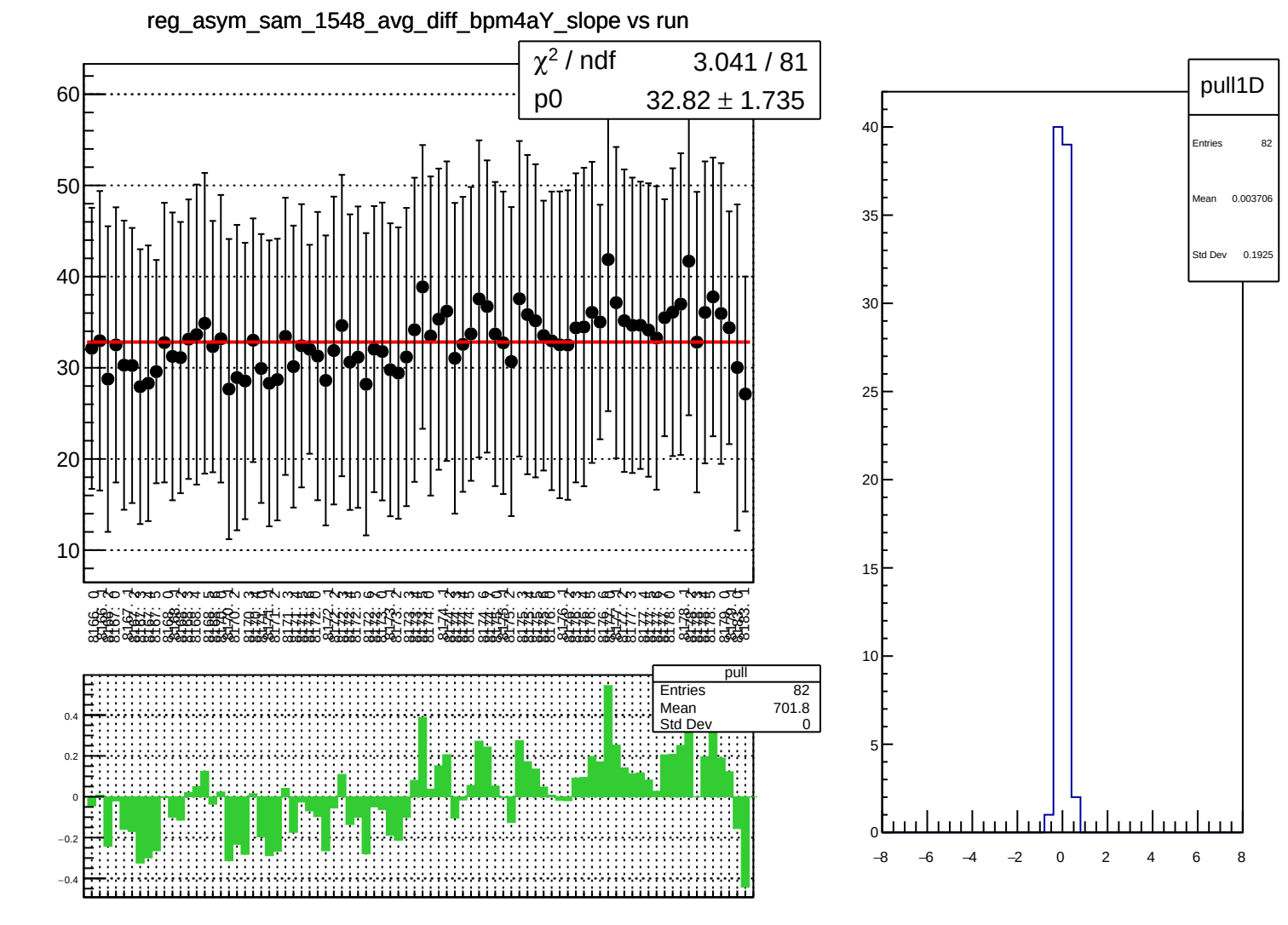

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.53 / 81
p0 21.35 ± 0.5307
pull
Entries 82
Mean 313.2
Std Dev 0
pull1D
Entries 82
Mean −0.01941
Std Dev 0.3745

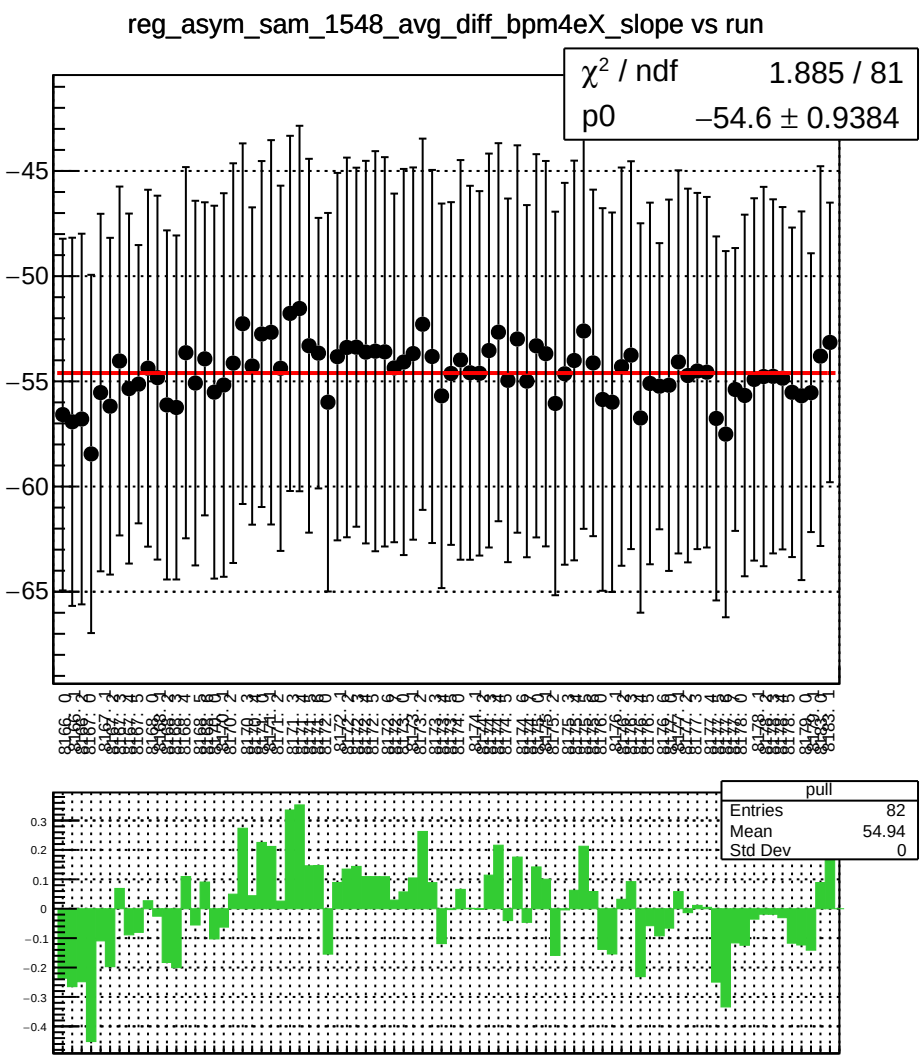

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.325 / 81
p0 −34.28 ± 1.049
pull
Entries 82
Mean 482.4
Std Dev 0
pull1D
Entries 82
Mean 0.008989
Std Dev 0.2547

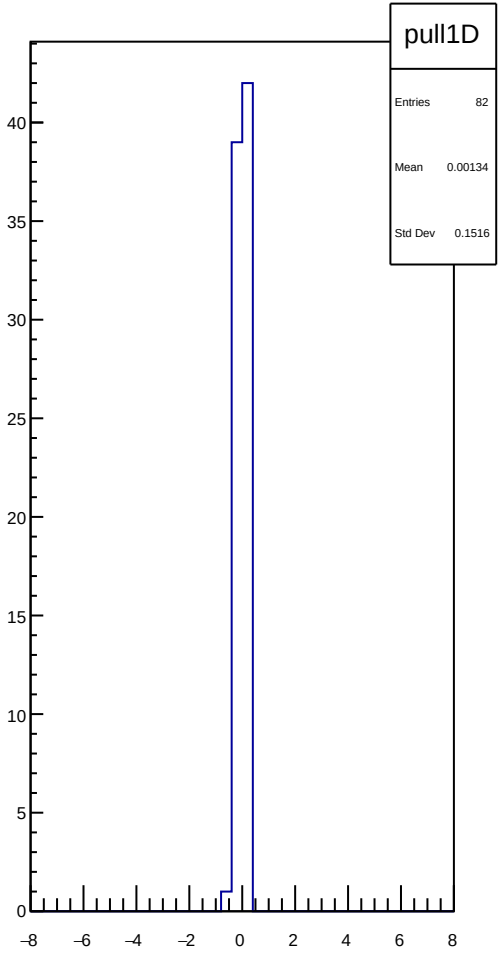

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 23.96 / 81
p0 0.5202 ± 0.0489
pull
Entries 82
Mean 295.5
Std Dev 0
pull1D
Entries 82
Mean 0.03617
Std Dev 0.5393

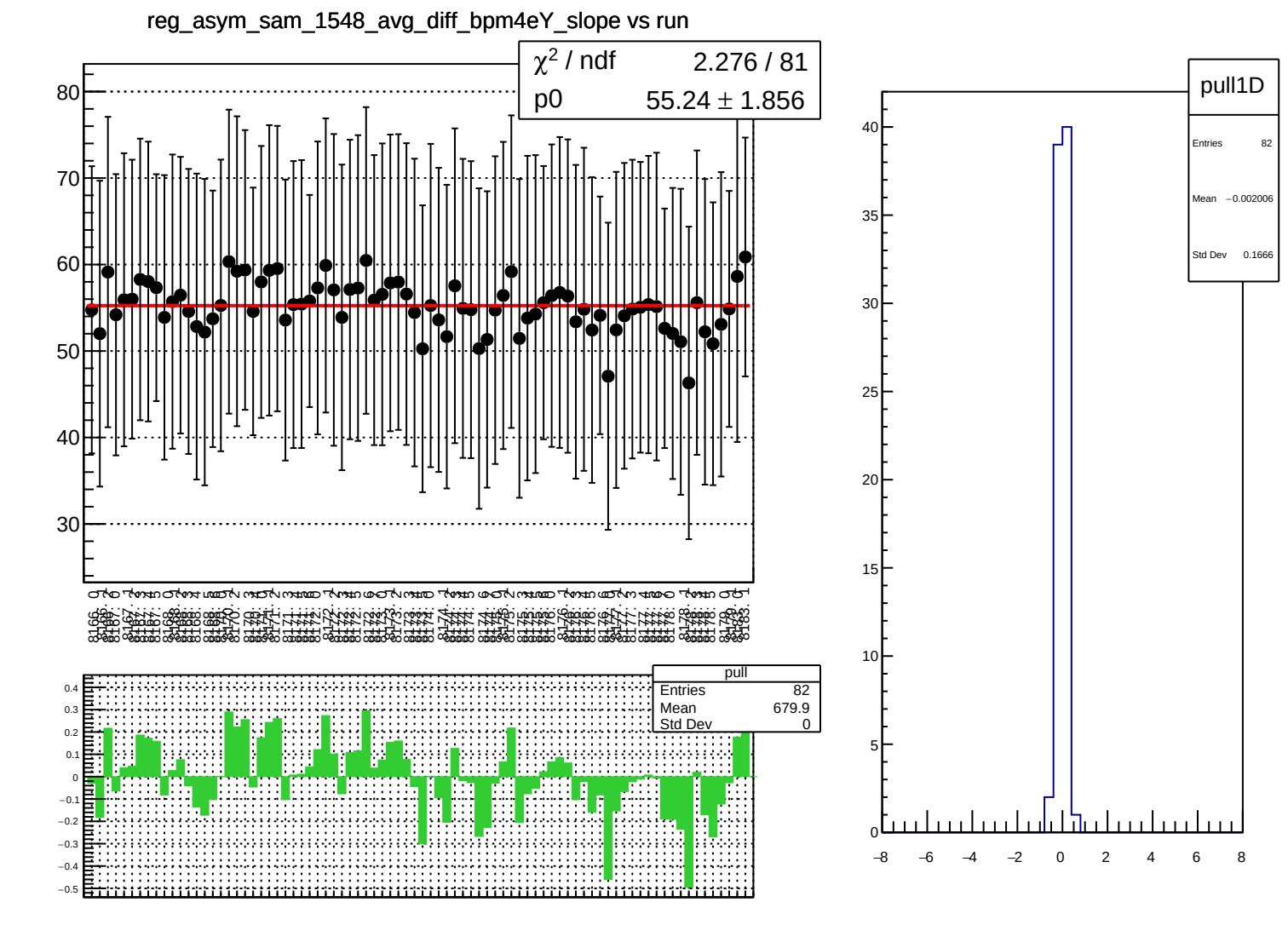

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 2.311 / 81
p0 −1.2 ± 0.9361
pull
Entries 82
Mean 354.5
Std Dev 0

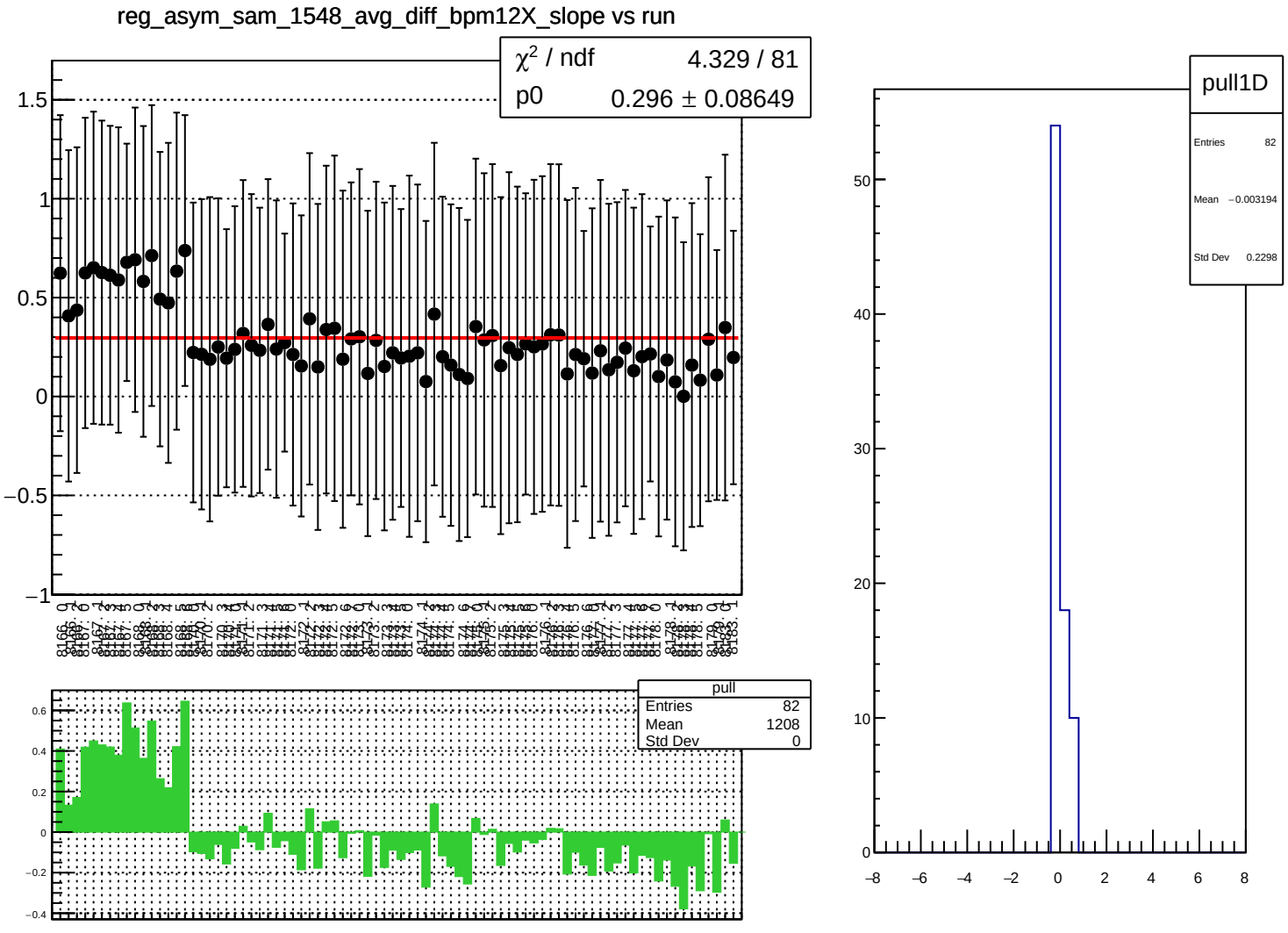

pull1D
Entries 82
Mean −0.003382
Std Dev 0.1678

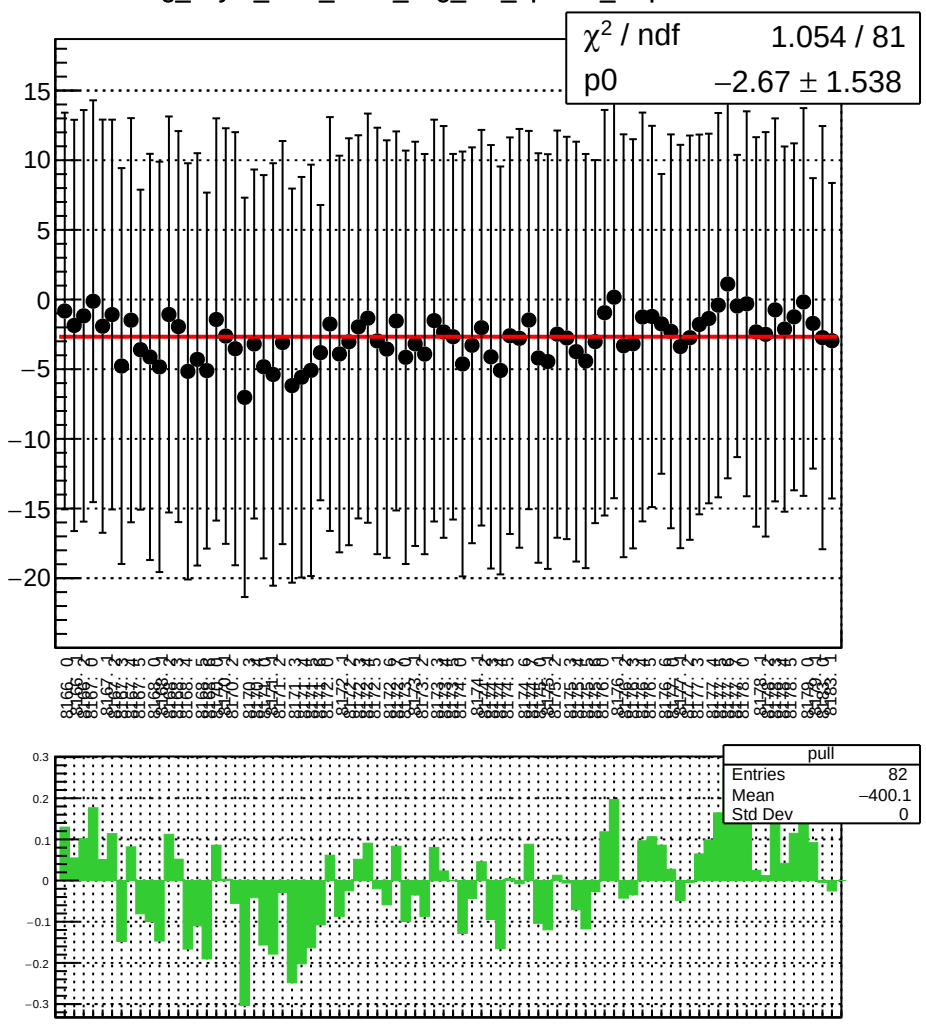

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.041 / 81
p0 32.82 ± 1.735
pull
Entries 82
Mean 701.8
Std Dev 0
pull1D
Entries 82
Mean 0.003706
Std Dev 0.1925

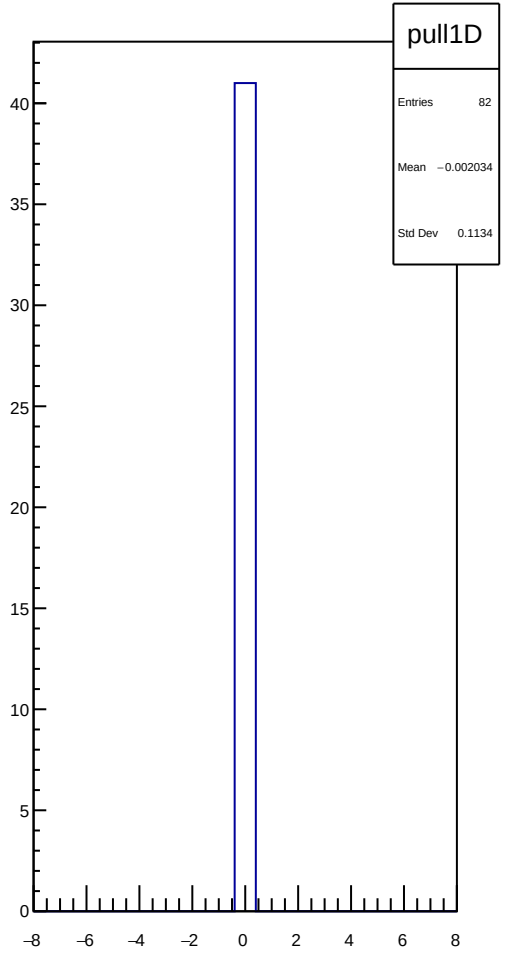

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.885 / 81
p0 −54.6 ± 0.9384
−45
−50
−55
−60
−65
pull
Entries 82
Mean 54.94
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

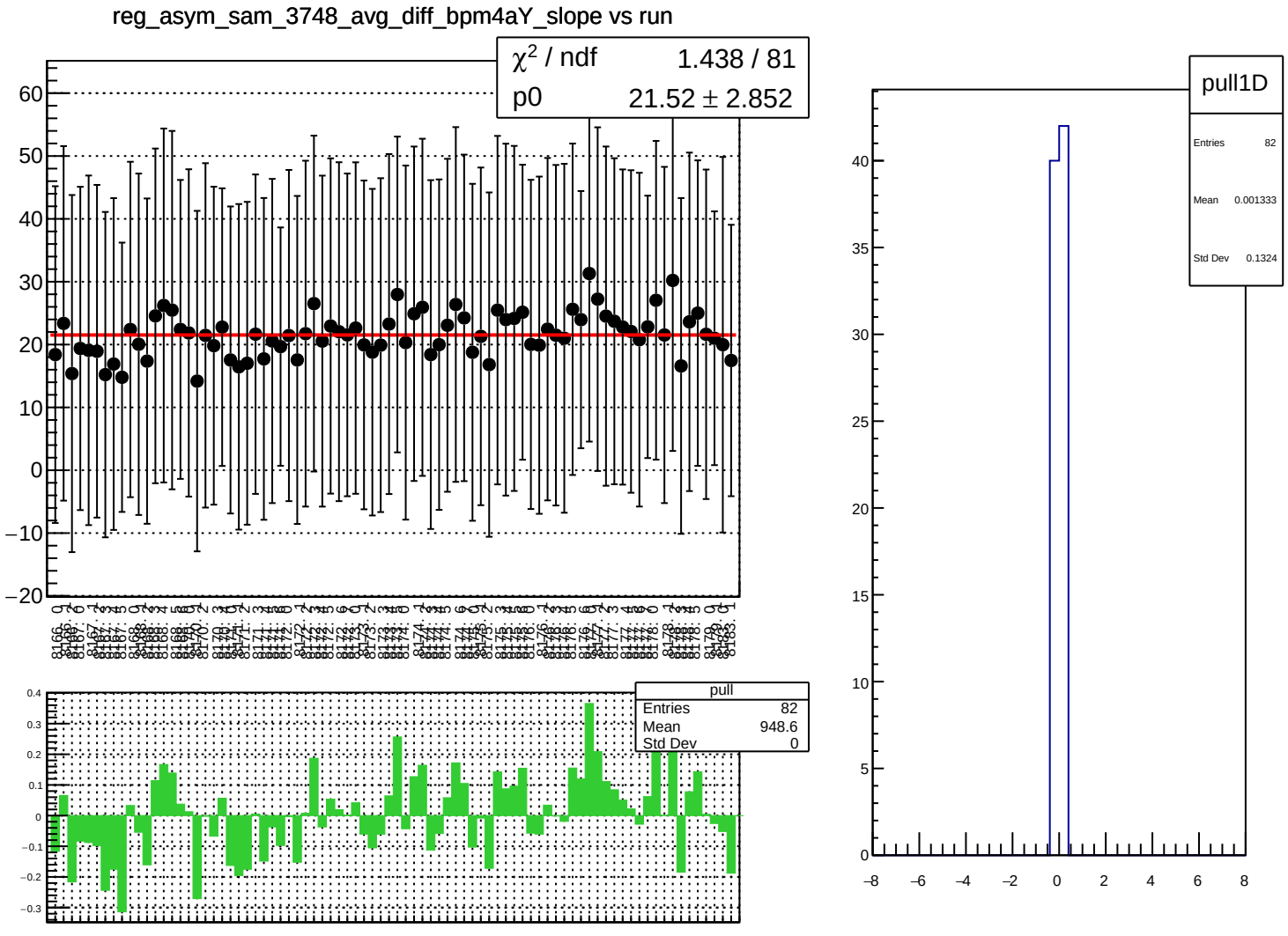

pull1D
Entries 82
Mean 0.00134
Std Dev 0.1516
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

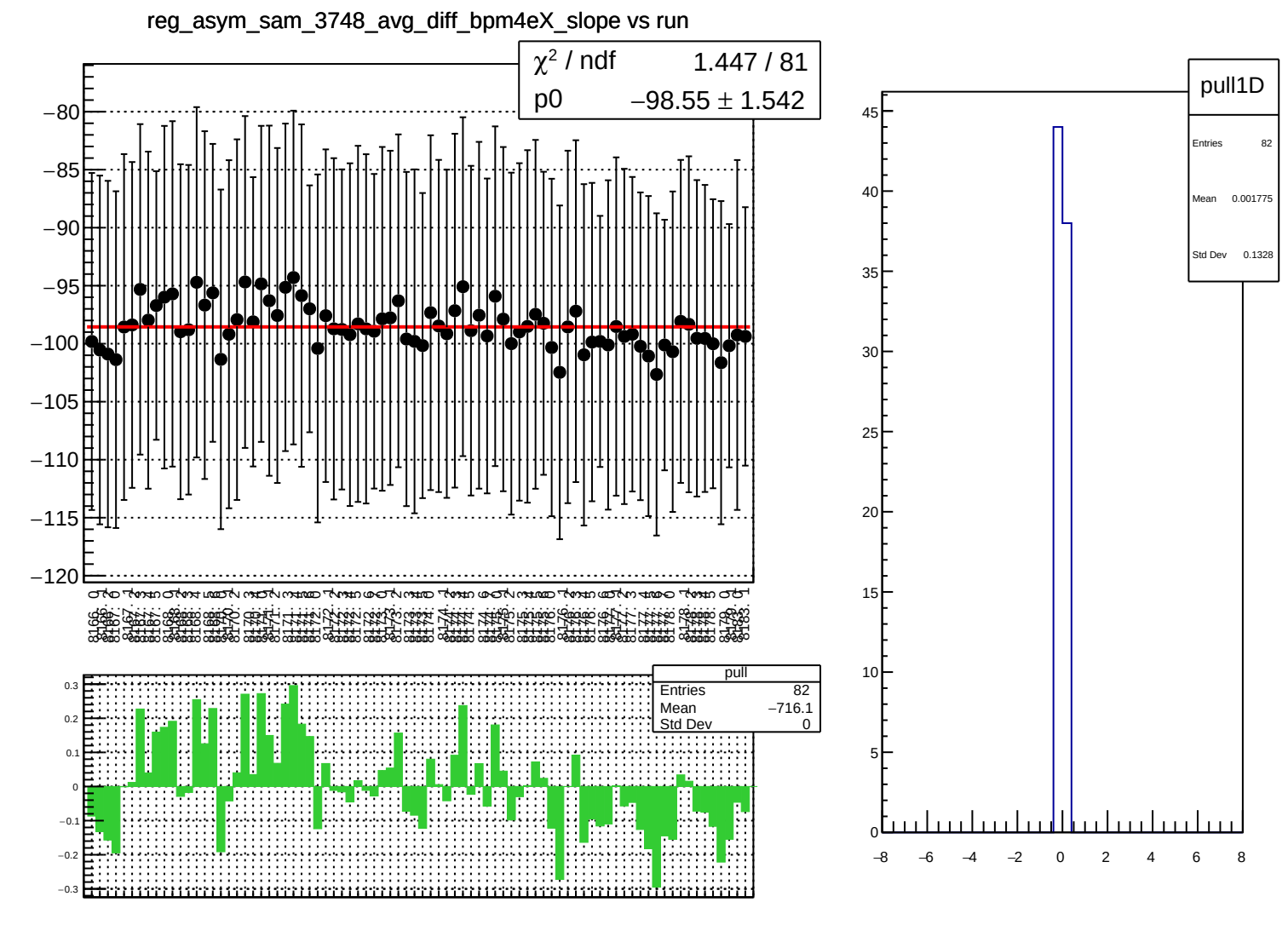

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.276 / 81
p0 55.24 ± 1.856
pull
Entries 82
Mean 679.9
Std Dev 0
pull1D
Entries 82
Mean −0.002006
Std Dev 0.1666

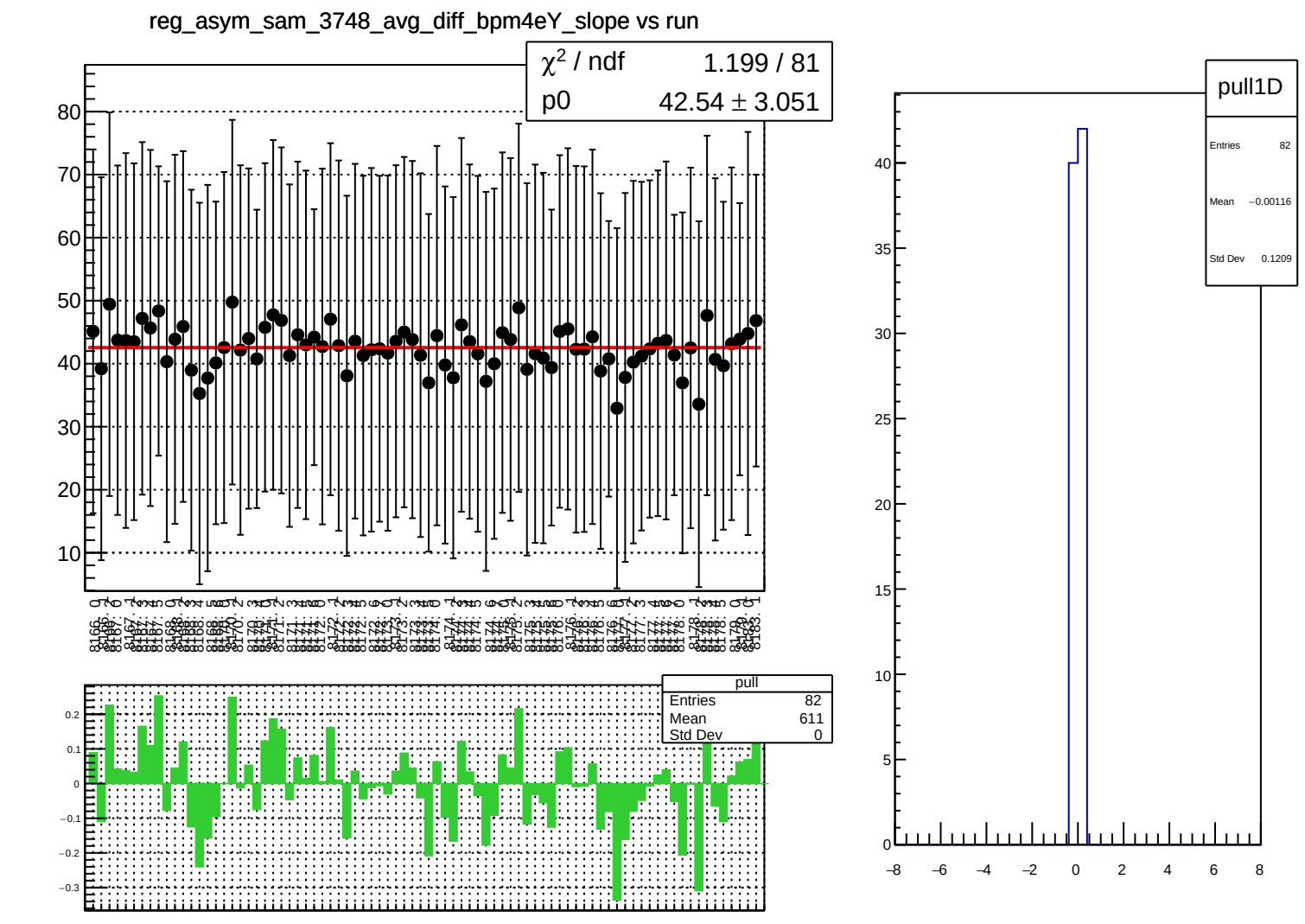

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.329 / 81
p0 0.296 ± 0.08649
pull
Entries 82
Mean 1208
Std Dev 0
pull1D
Entries 82
Mean −0.003194
Std Dev 0.2298

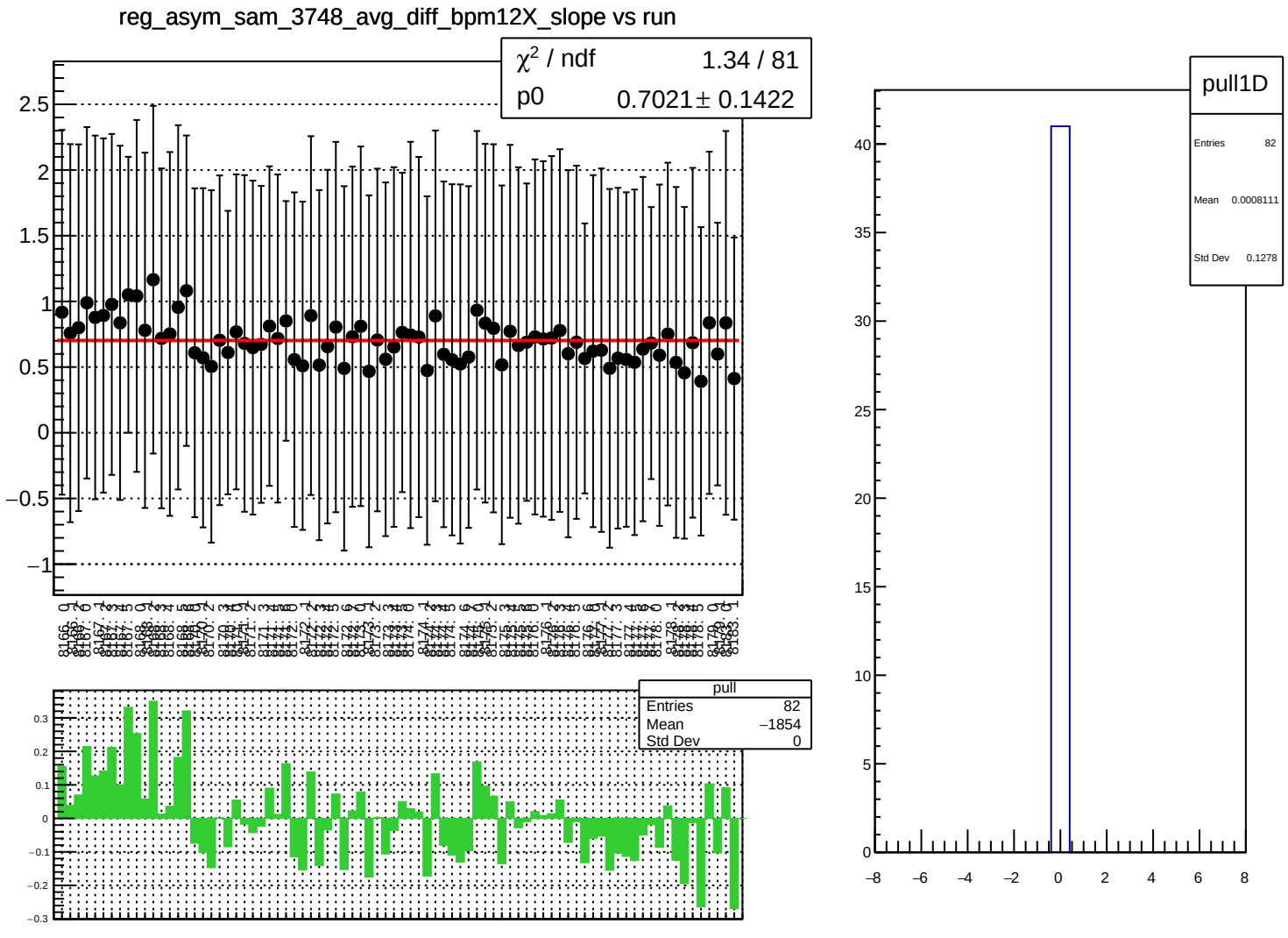

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1.054 / 81
p0 −2.67 ± 1.538
pull
Entries 82
Mean −400.1
Std Dev 0

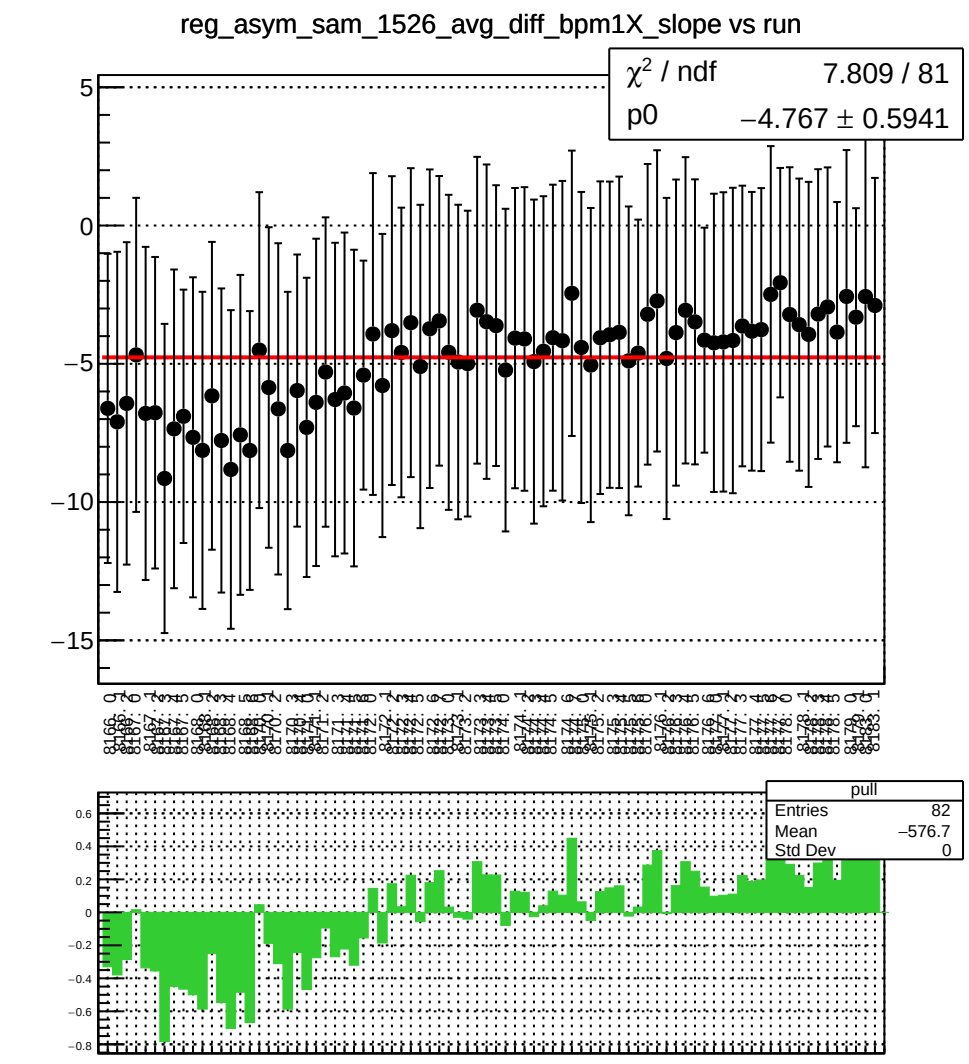

pull1D
Entries 82
Mean −0.002034
Std Dev 0.1134

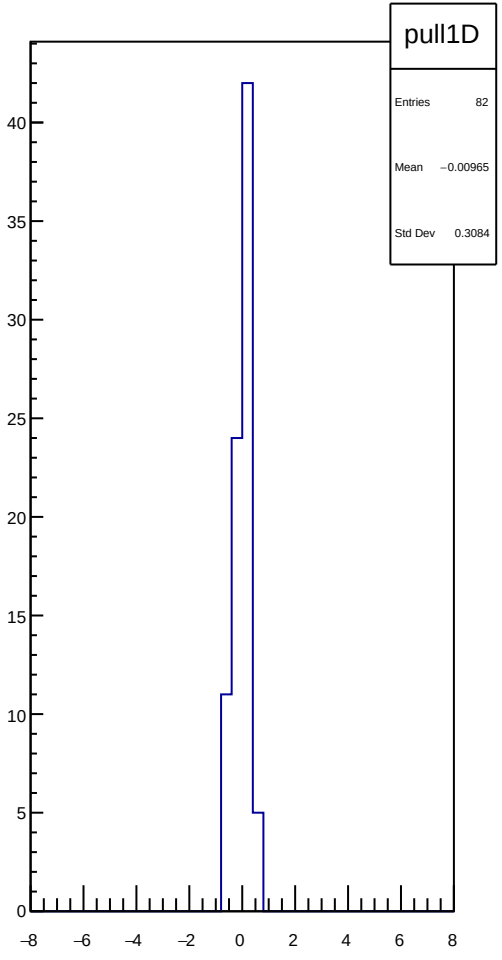

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.438 / 81
p0 21.52 ± 2.852
pull
Entries 82
Mean 948.6
Std Dev 0
pull1D
Entries 82
Mean 0.001333
Std Dev 0.1324

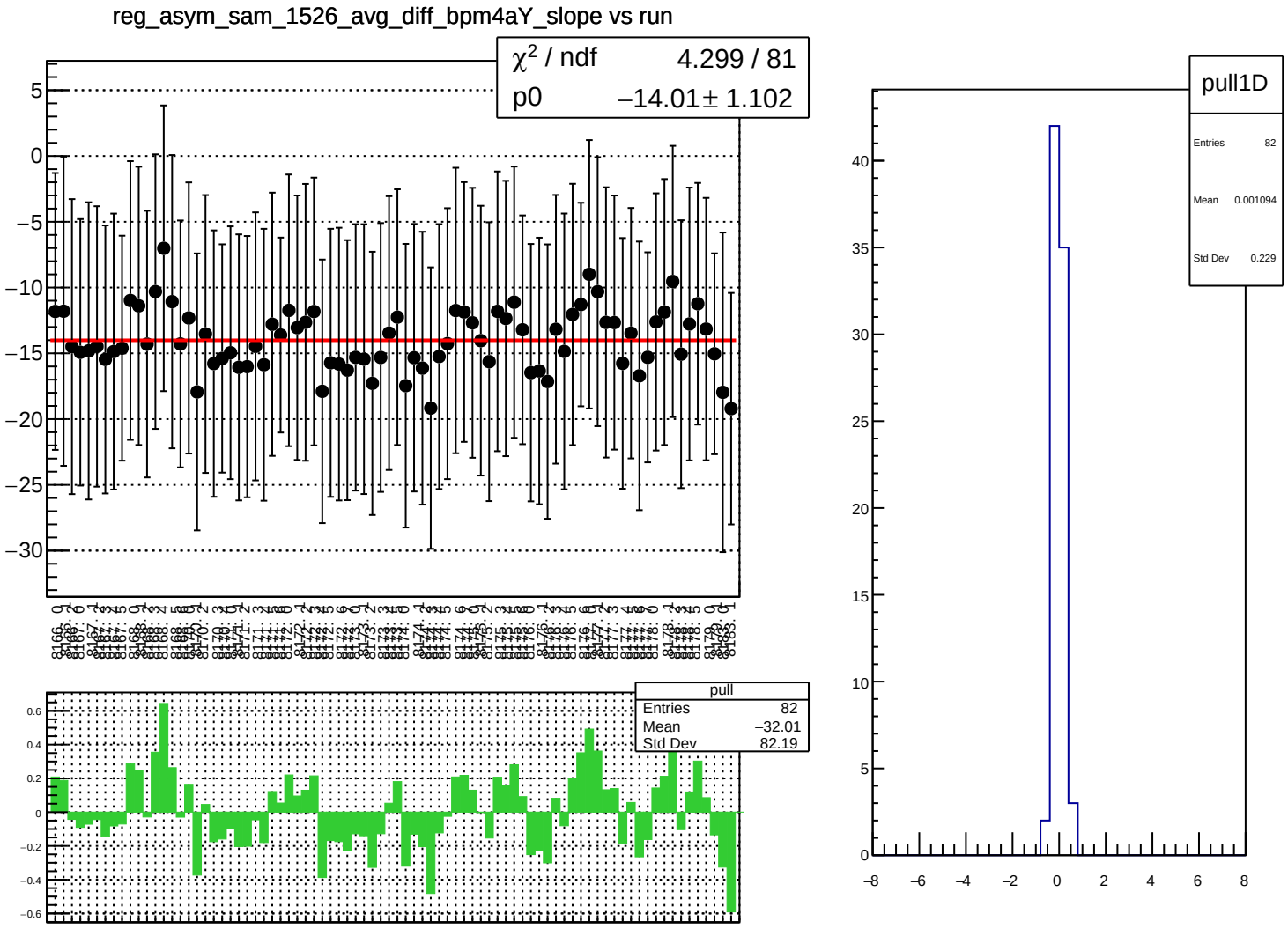

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.447 / 81
p0 −98.55 ± 1.542
pull
Entries 82
Mean −716.1
Std Dev 0
pull1D
Entries 82
Mean 0.001775
Std Dev 0.1328

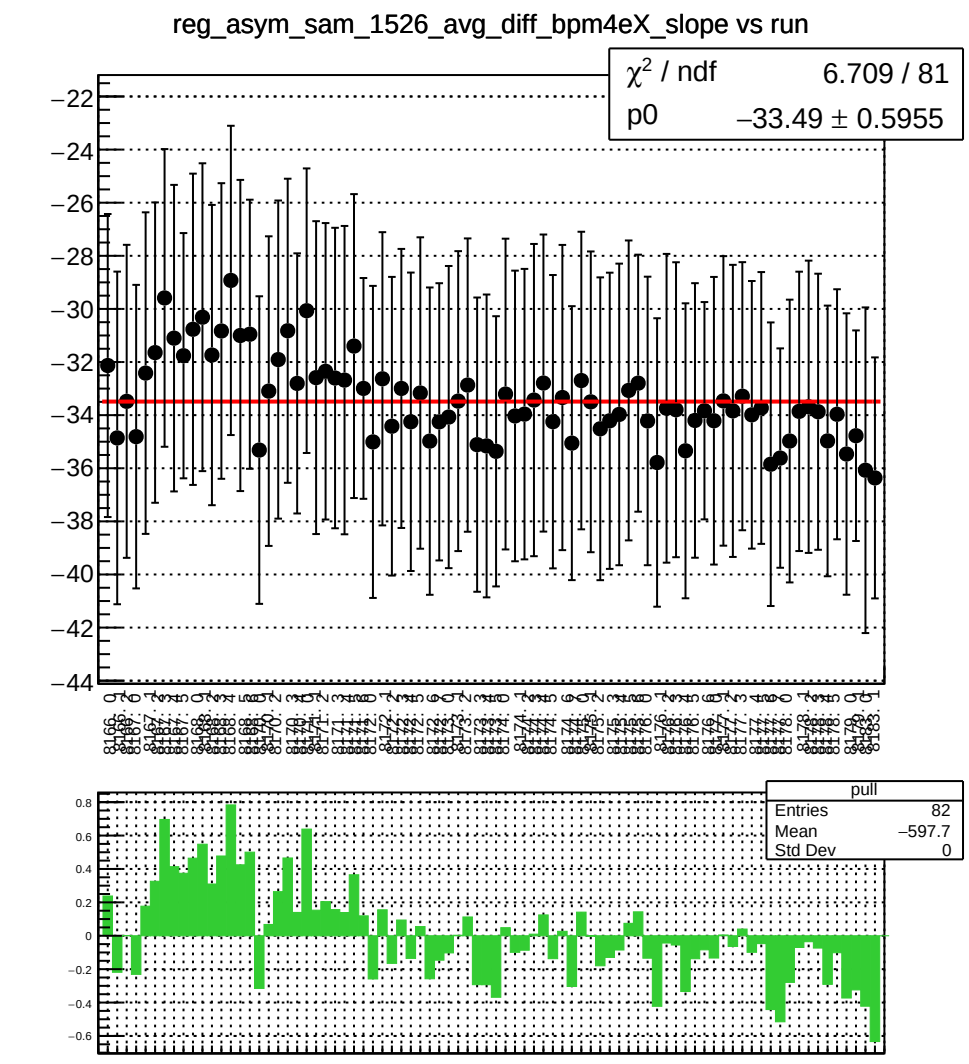

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.199 / 81
p0 42.54 ± 3.051
pull
Entries 82
Mean 611
Std Dev 0
pull1D
Entries 82
Mean −0.00116
Std Dev 0.1209

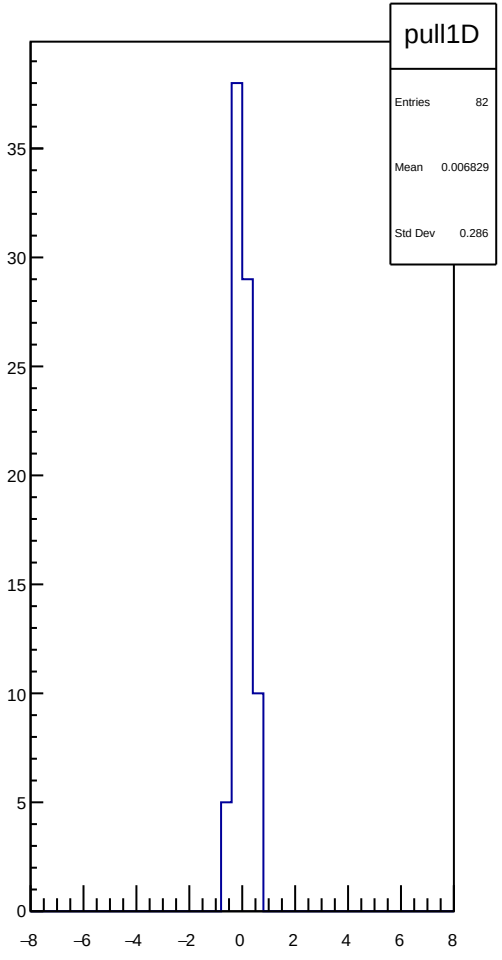

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 1.34 / 81
p0 0.7021 ± 0.1422
pull
Entries 82
Mean −1854
Std Dev 0
pull1D
Entries 82
Mean 0.0008111
Std Dev 0.1278

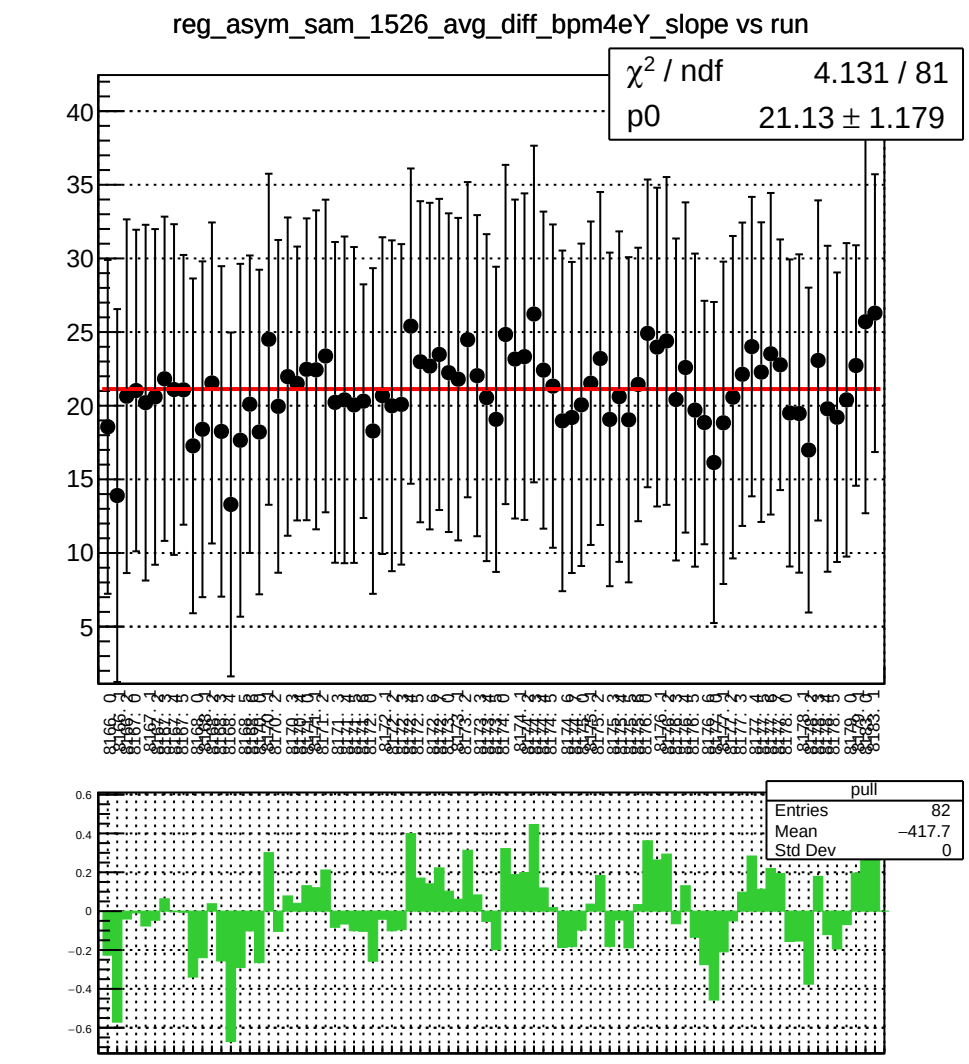

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 7.809 / 81
p0 −4.767 ± 0.5941
pull
Entries 82
Mean −576.7
Std Dev 0

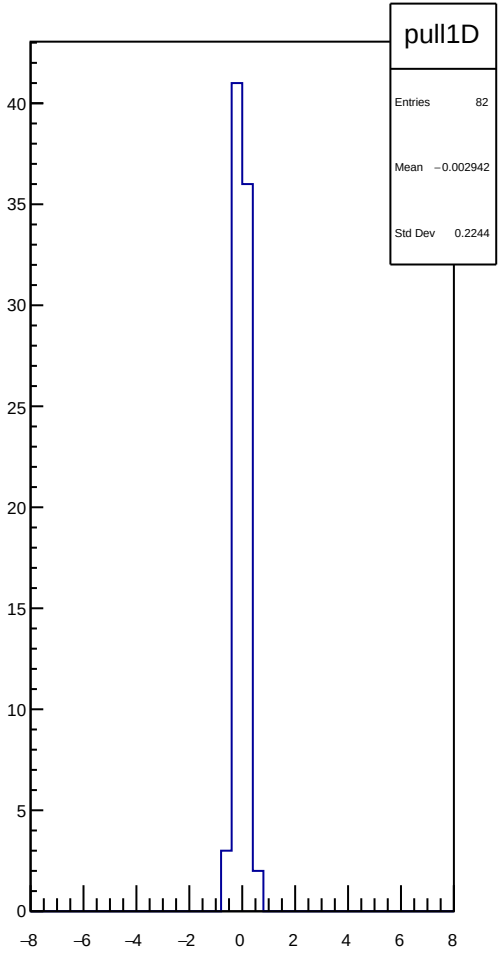

pull1D
Entries 82
Mean −0.00965
Std Dev 0.3084

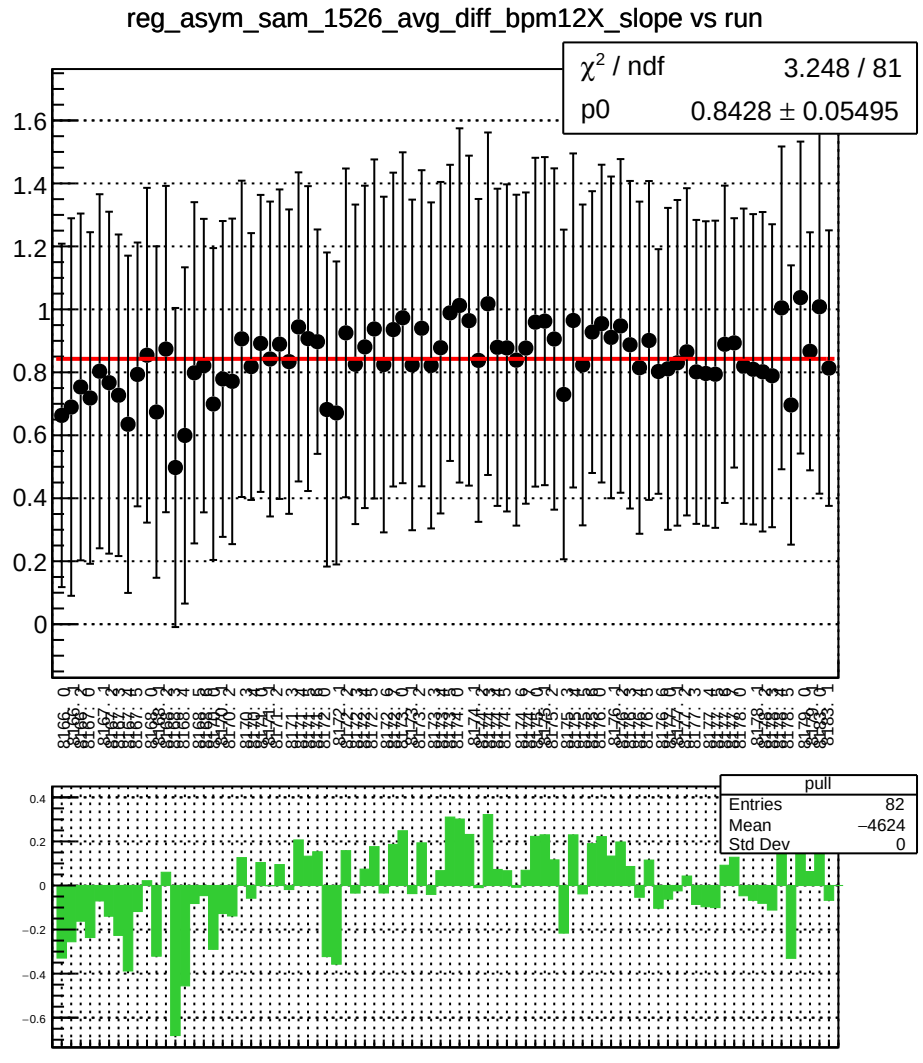

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.299 / 81
p0 −14.01± 1.102
pull
Entries 82
Mean −32.01
Std Dev 82.19
pull1D
Entries 82
Mean 0.001094
Std Dev 0.229

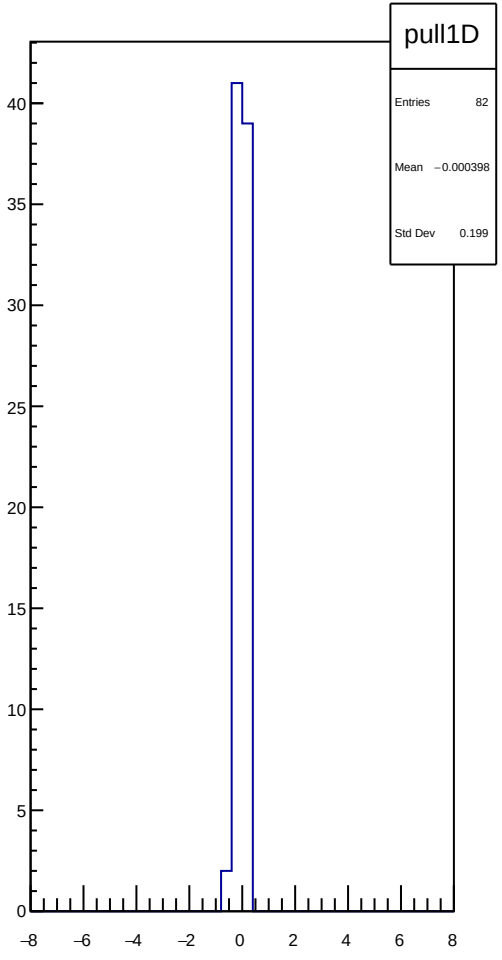

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.709 / 81
p0 −33.49 ± 0.5955
pull
Entries 82
Mean −597.7
Std Dev 0

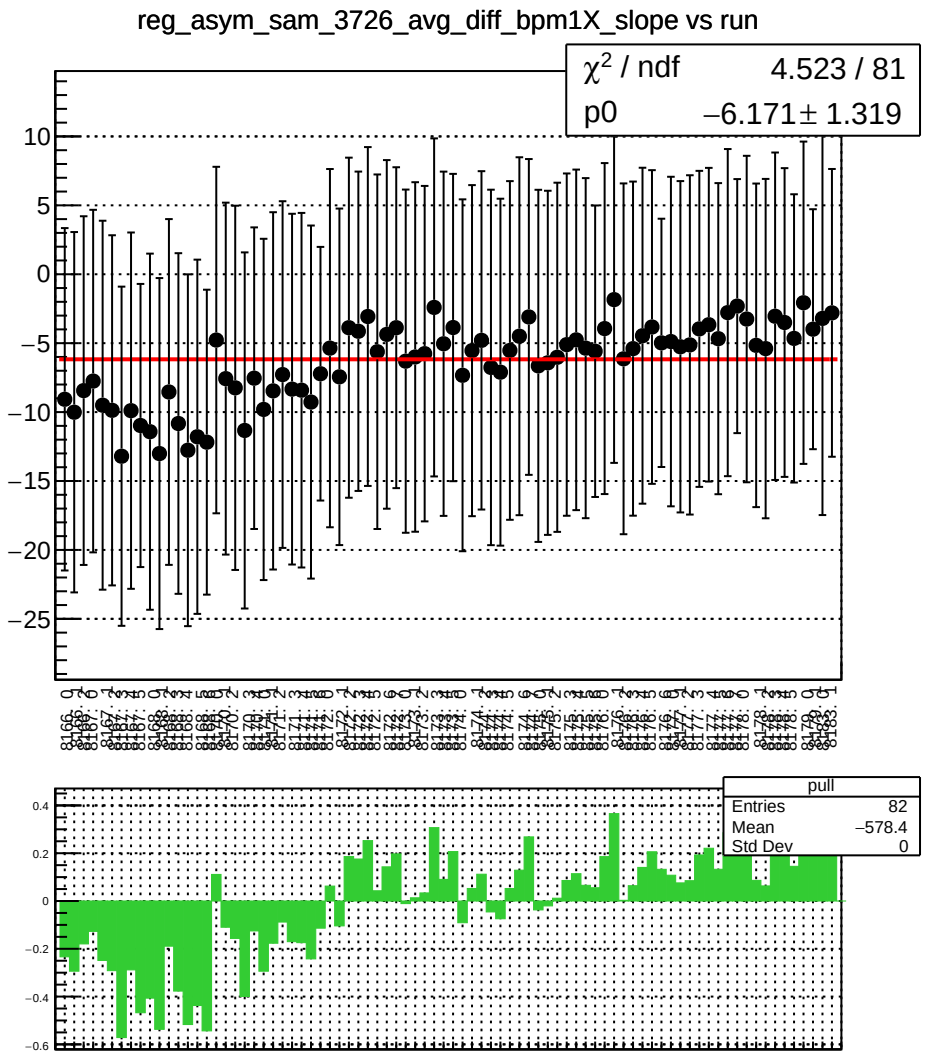

pull1D
Entries 82
Mean 0.006829
Std Dev 0.286

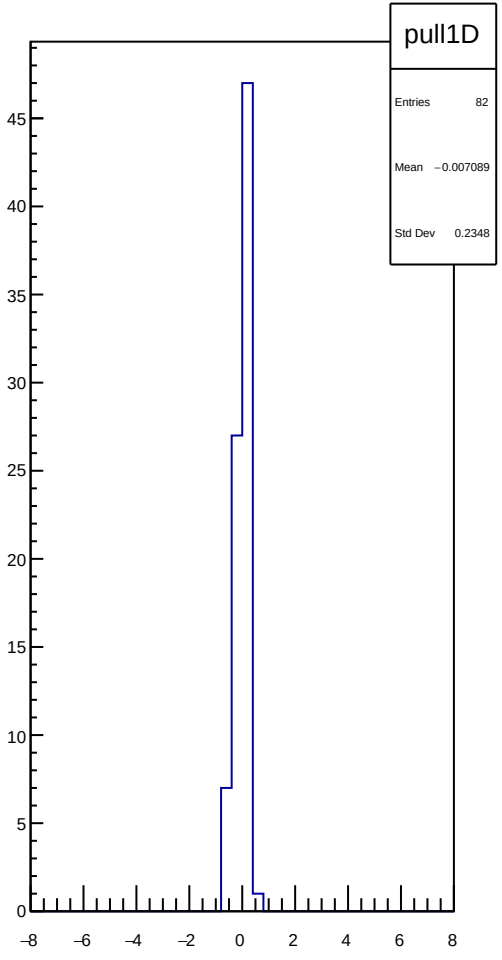

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.131 / 81
p0 21.13 ± 1.179
pull
Entries 82
Mean −417.7
Std Dev 0

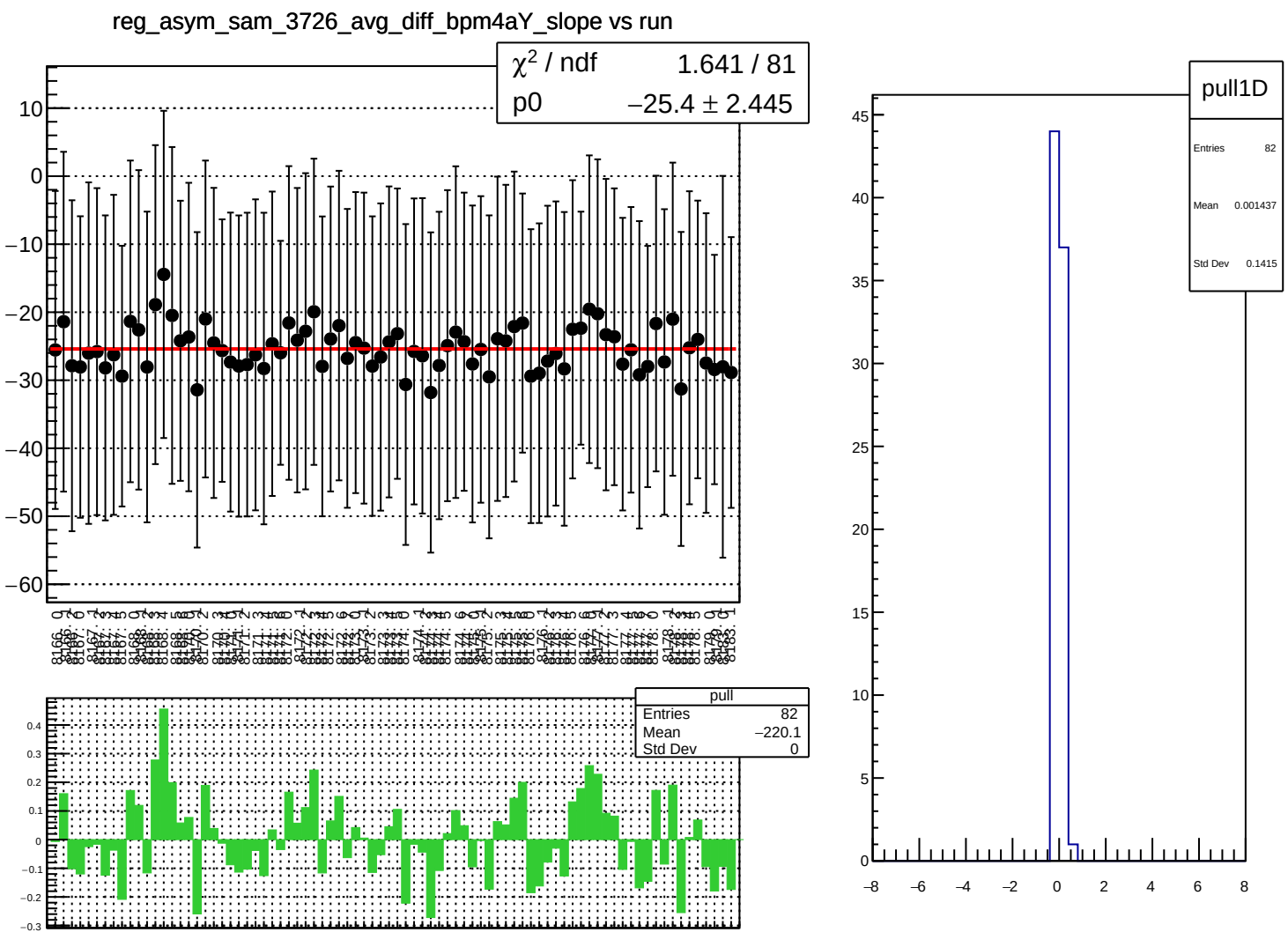

pull1D
Entries 82
Mean −0.002942
Std Dev 0.2244

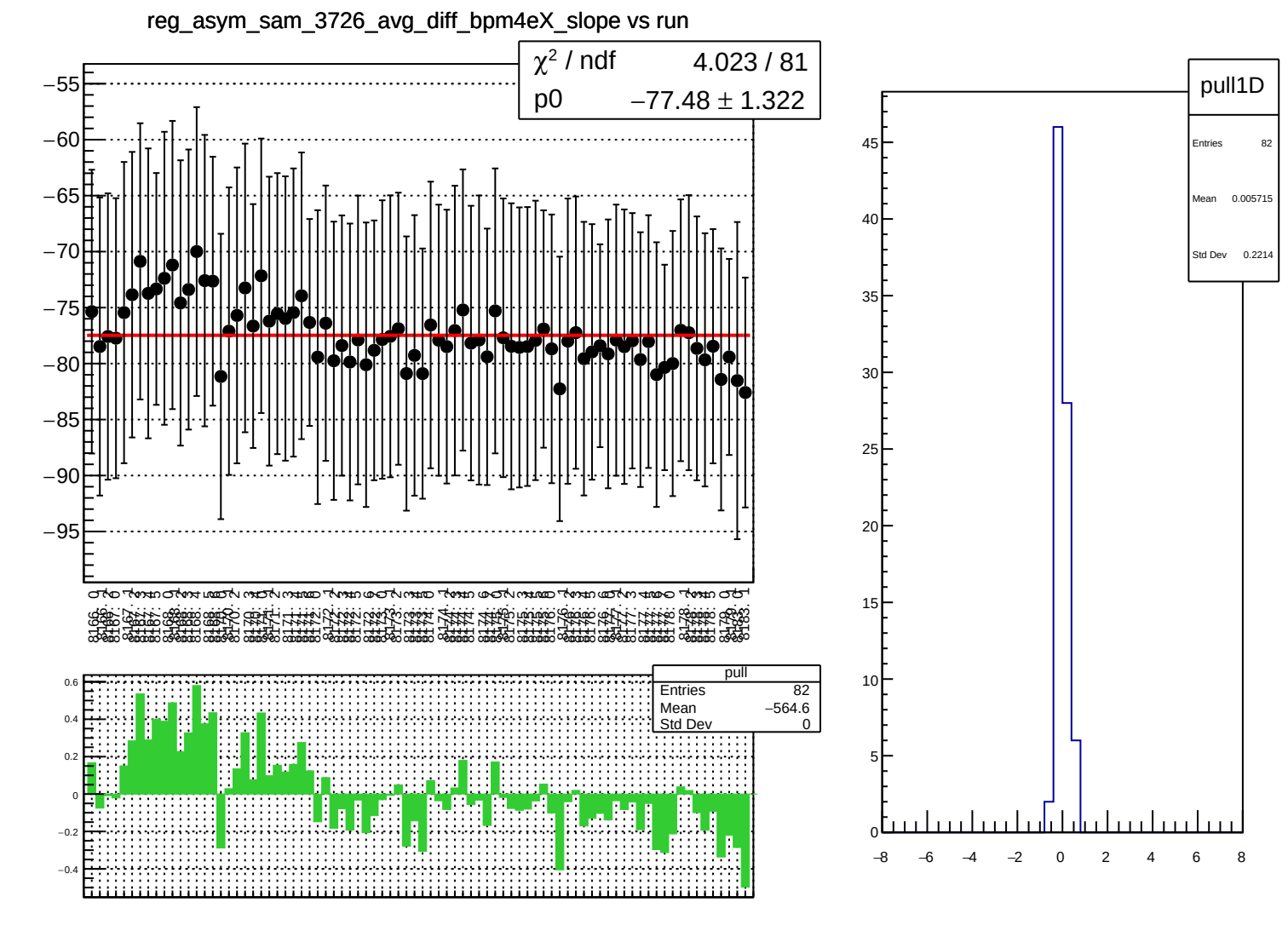

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 3.248 / 81
p0 0.8428 ± 0.05495
pull
Entries 82
Mean −4624
Std Dev 0

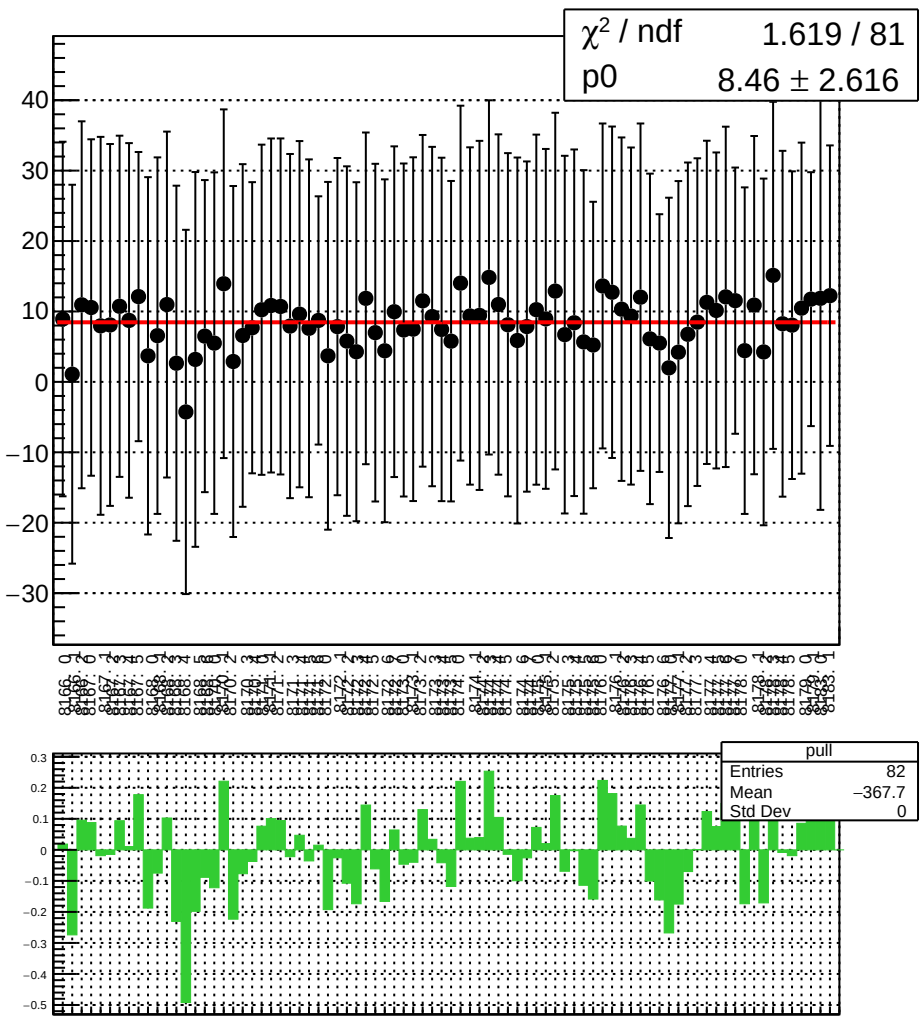

pull1D
Entries 82
Mean −0.000398
Std Dev 0.199

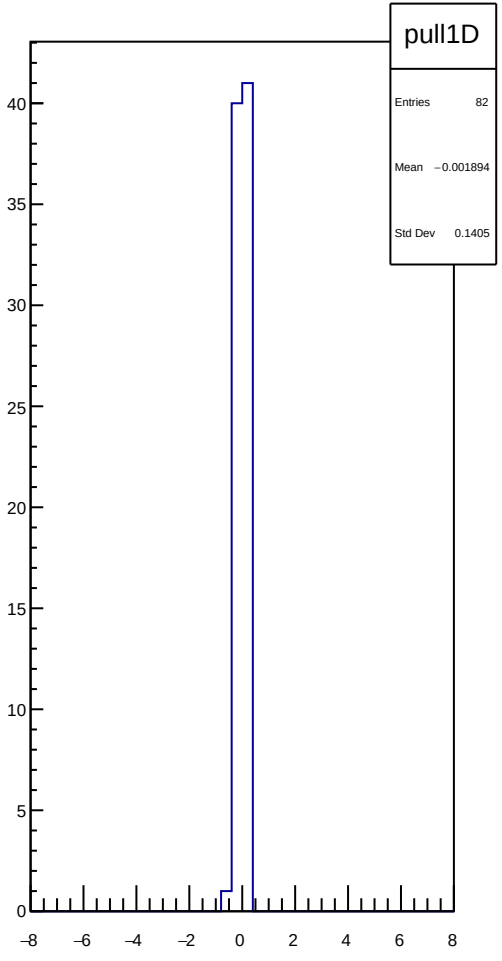

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.523 / 81
p0 −6.171 ± 1.319
pull
Entries 82
Mean −578.4
Std Dev 0

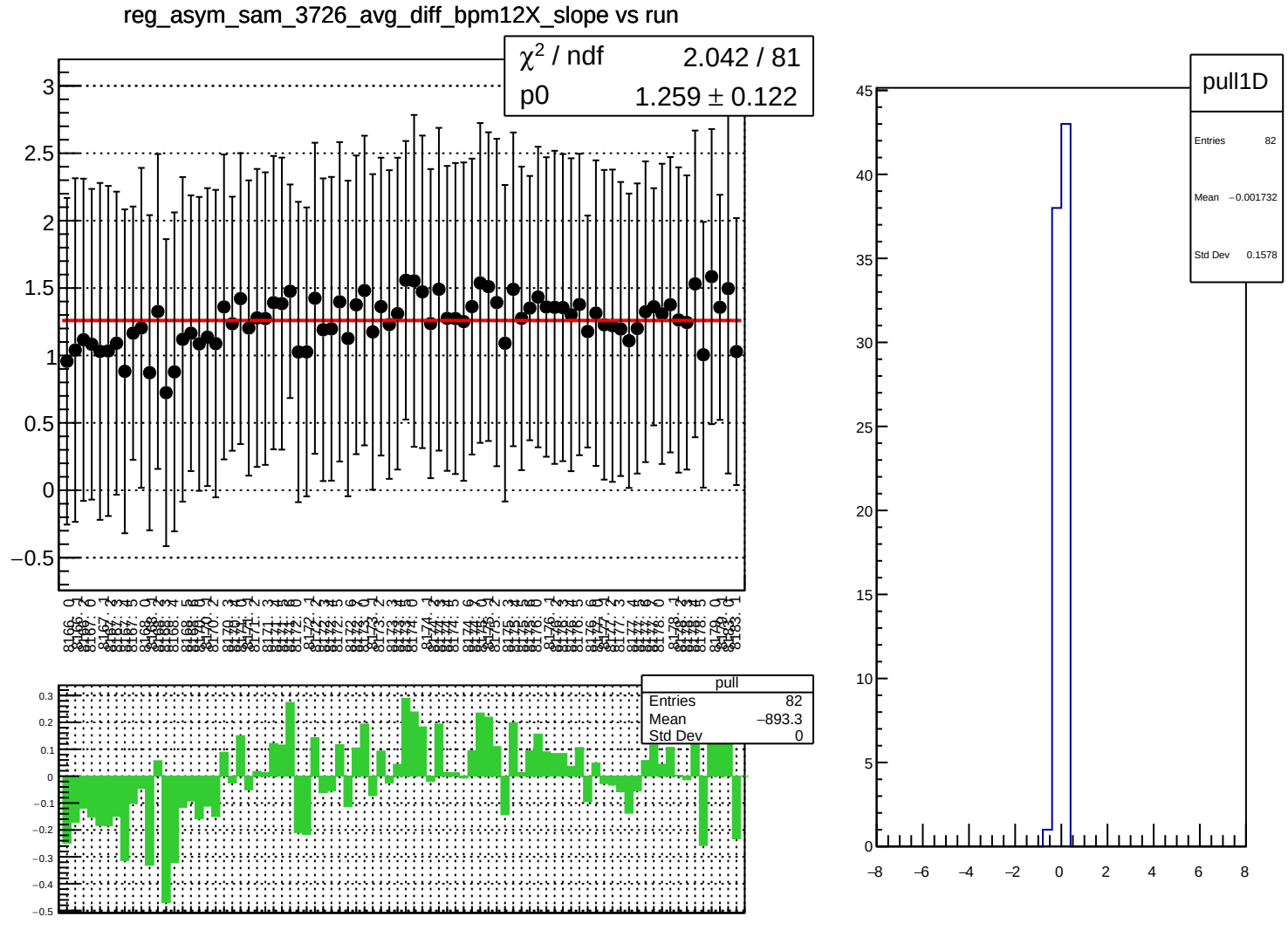

pull1D
Entries 82
Mean −0.007089
Std Dev 0.2348

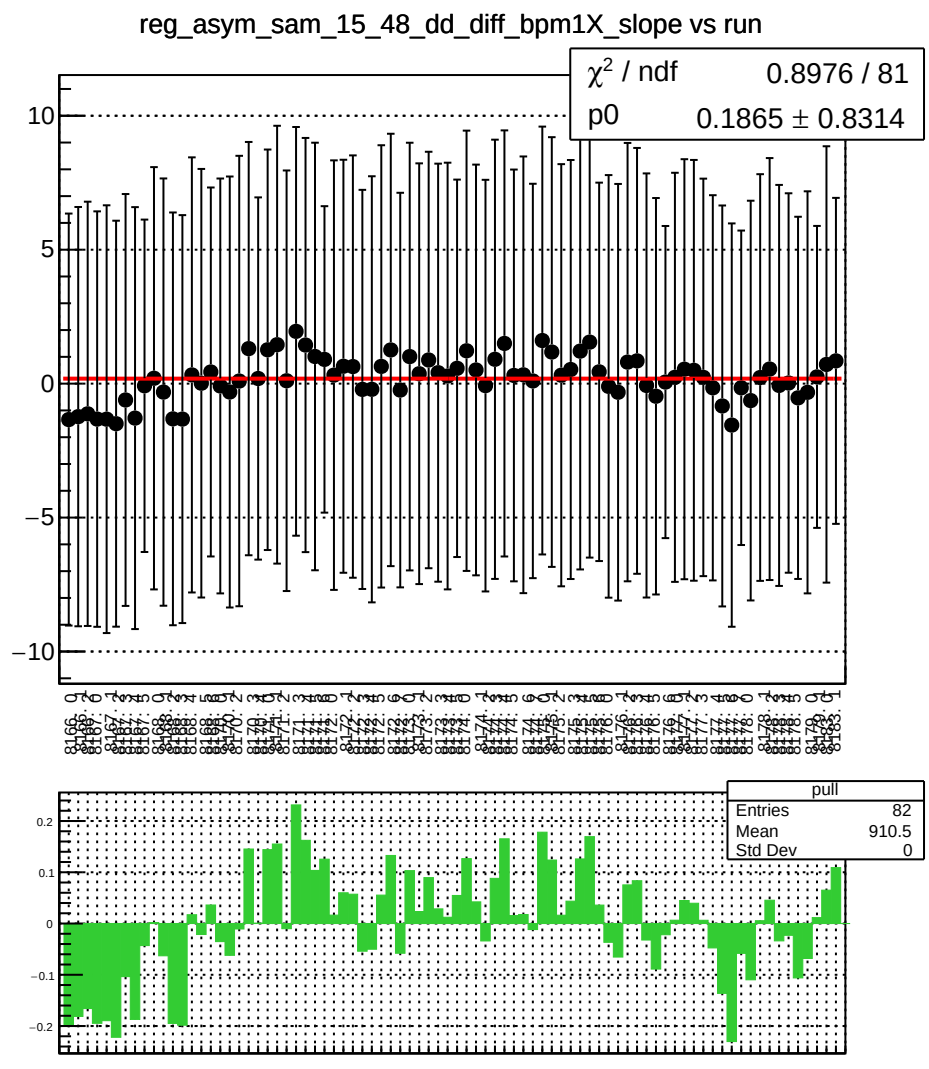

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.641 / 81
p0 −25.4 ± 2.445
pull
Entries 82
Mean −220.1
Std Dev 0
pull1D
Entries 82
Mean 0.001437
Std Dev 0.1415

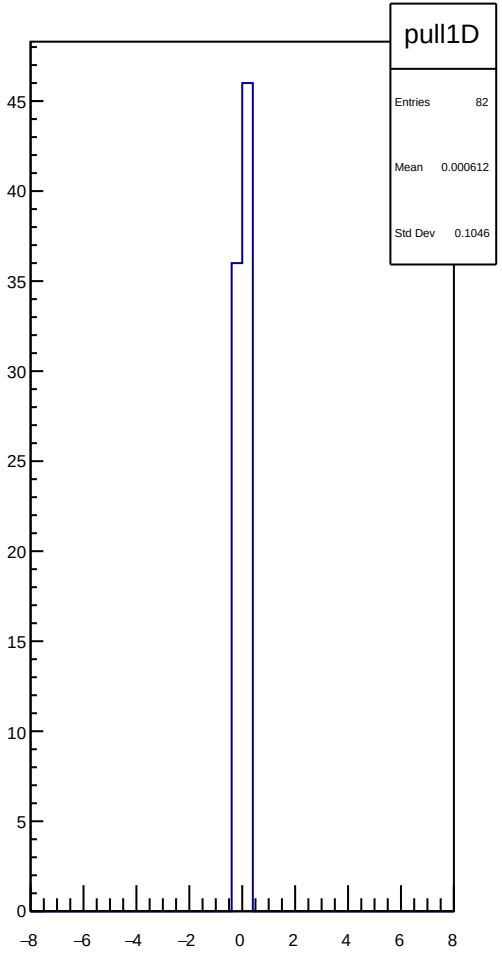

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.023 / 81
p0 −77.48 ± 1.322
pull
Entries 82
Mean −564.6
Std Dev 0
pull1D
Entries 82
Mean 0.005715
Std Dev 0.2214

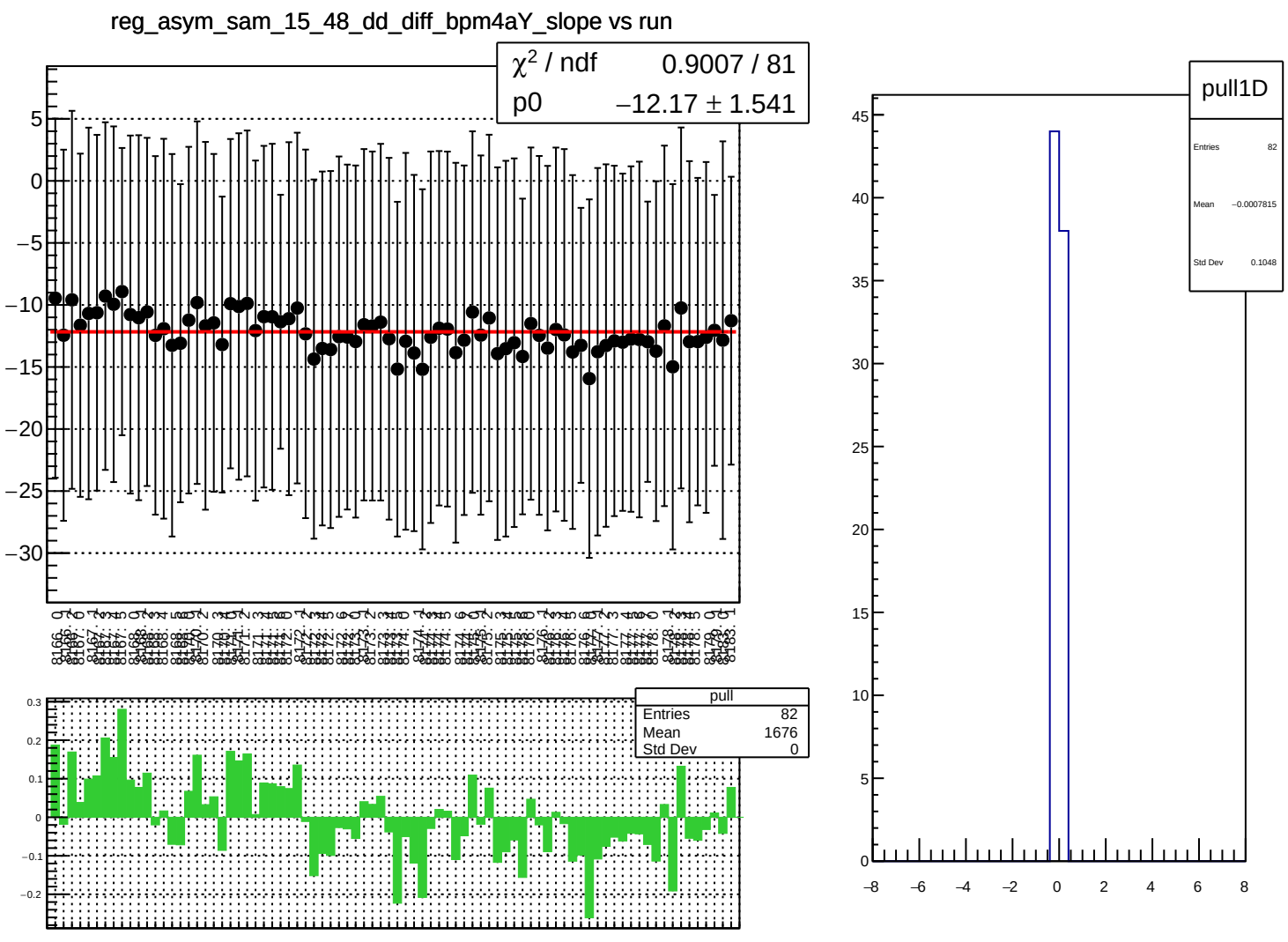

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.619 / 81
p0 8.46 ± 2.616
pull
Entries 82
Mean −367.7
Std Dev 0

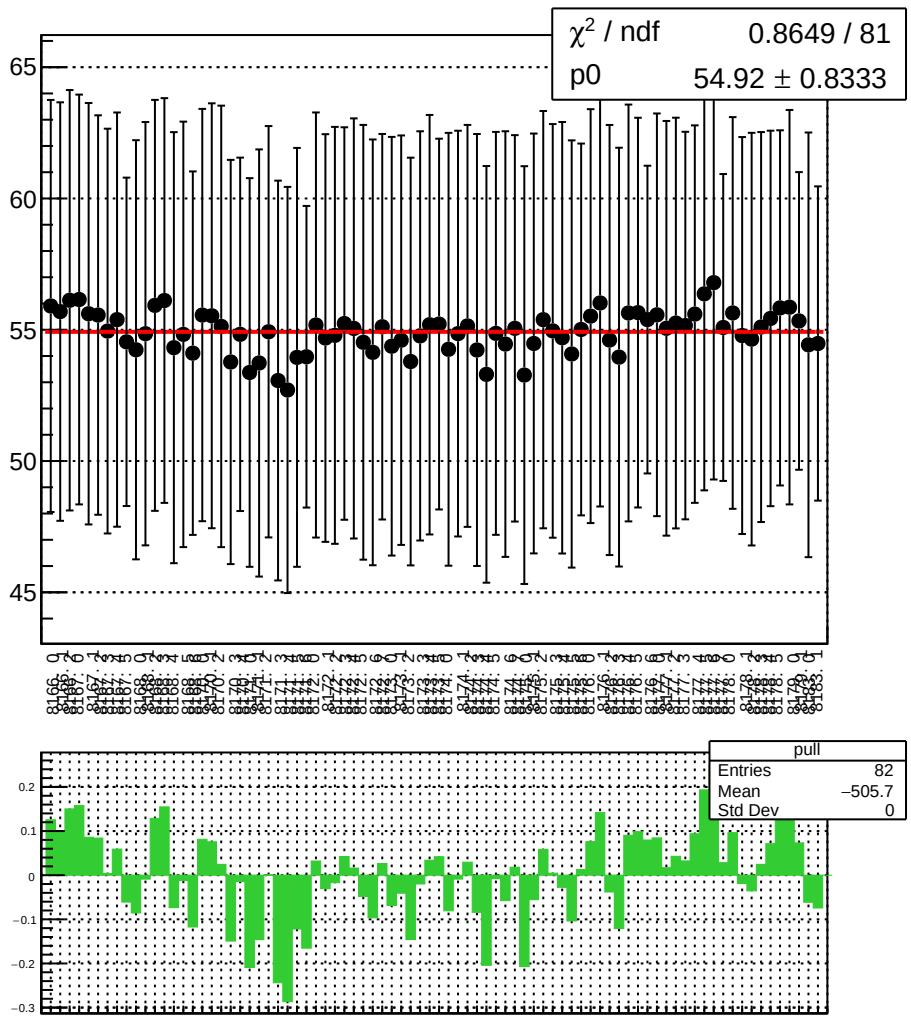

pull1D
Entries 82
Mean −0.001894
Std Dev 0.1405

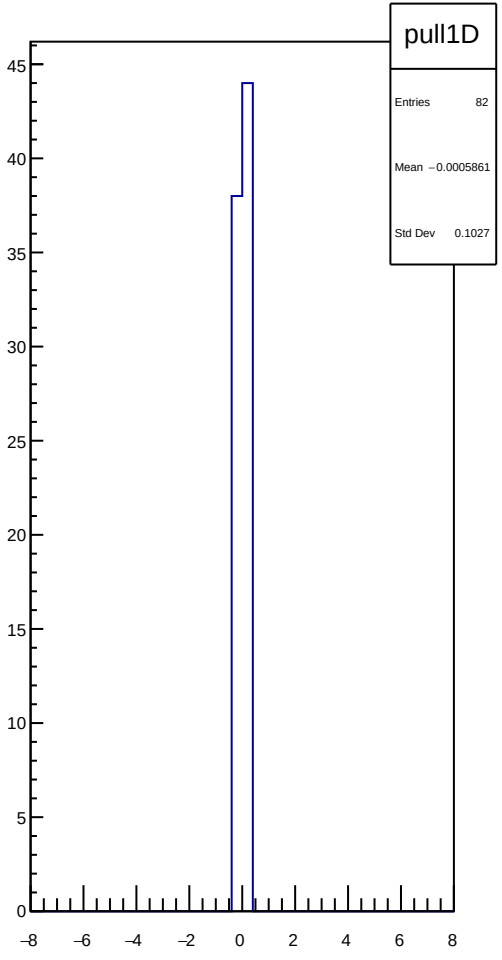

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.042 / 81
p0 1.259 ± 0.122
pull
Entries 82
Mean −893.3
Std Dev 0
pull1D
Entries 82
Mean −0.001732
Std Dev 0.1578

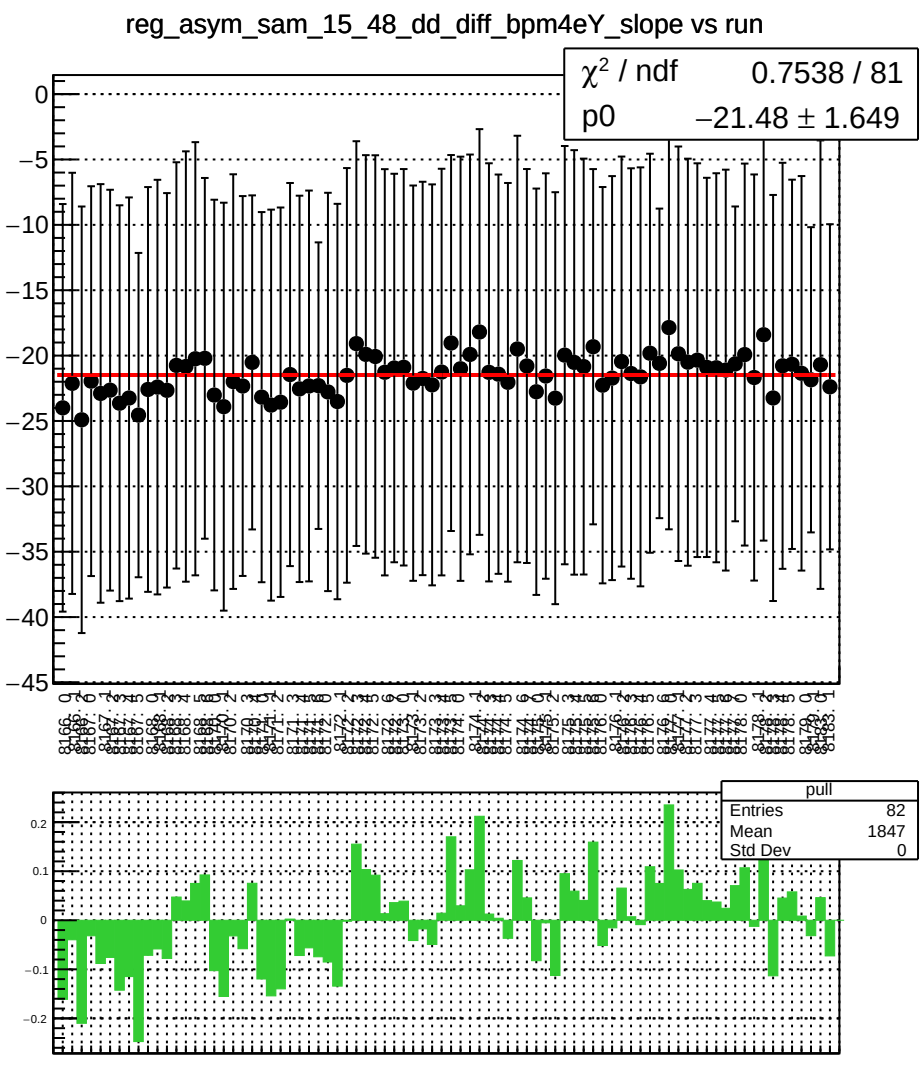

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.8976 / 81
p0 0.1865 ± 0.8314
pull
Entries 82
Mean 910.5
Std Dev 0

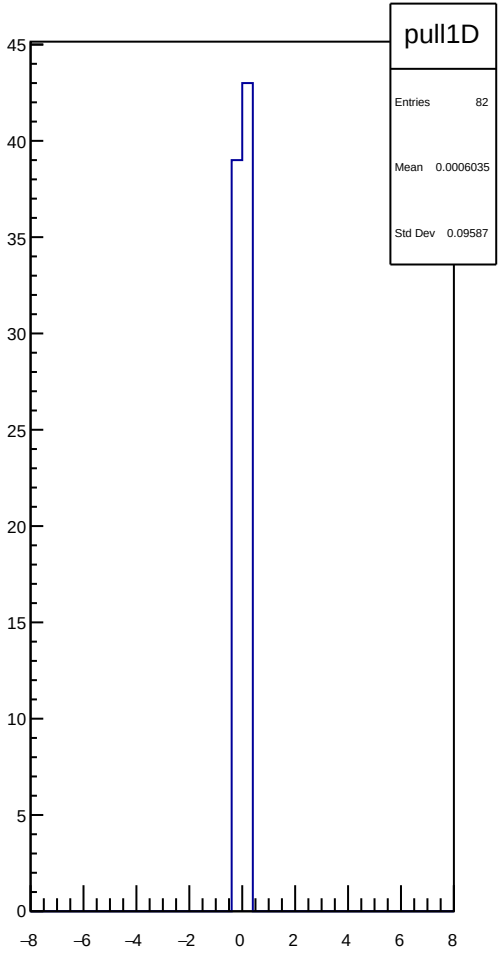

pull1D
Entries 82
Mean 0.000612
Std Dev 0.1046

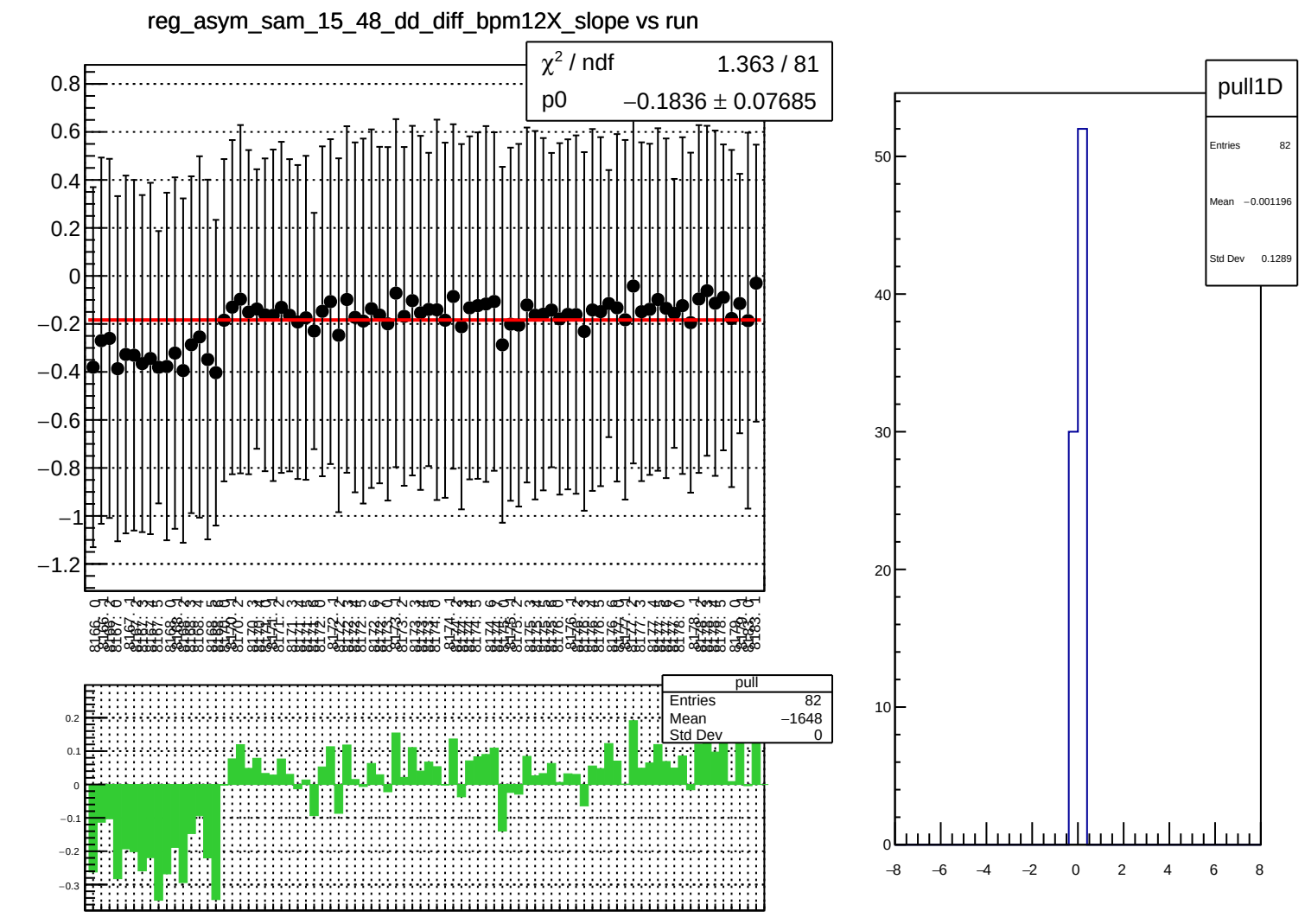

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9007 / 81
p0 −12.17 ± 1.541
pull
Entries 82
Mean 1676
Std Dev 0
pull1D
Entries 82
Mean −0.0007815
Std Dev 0.1048

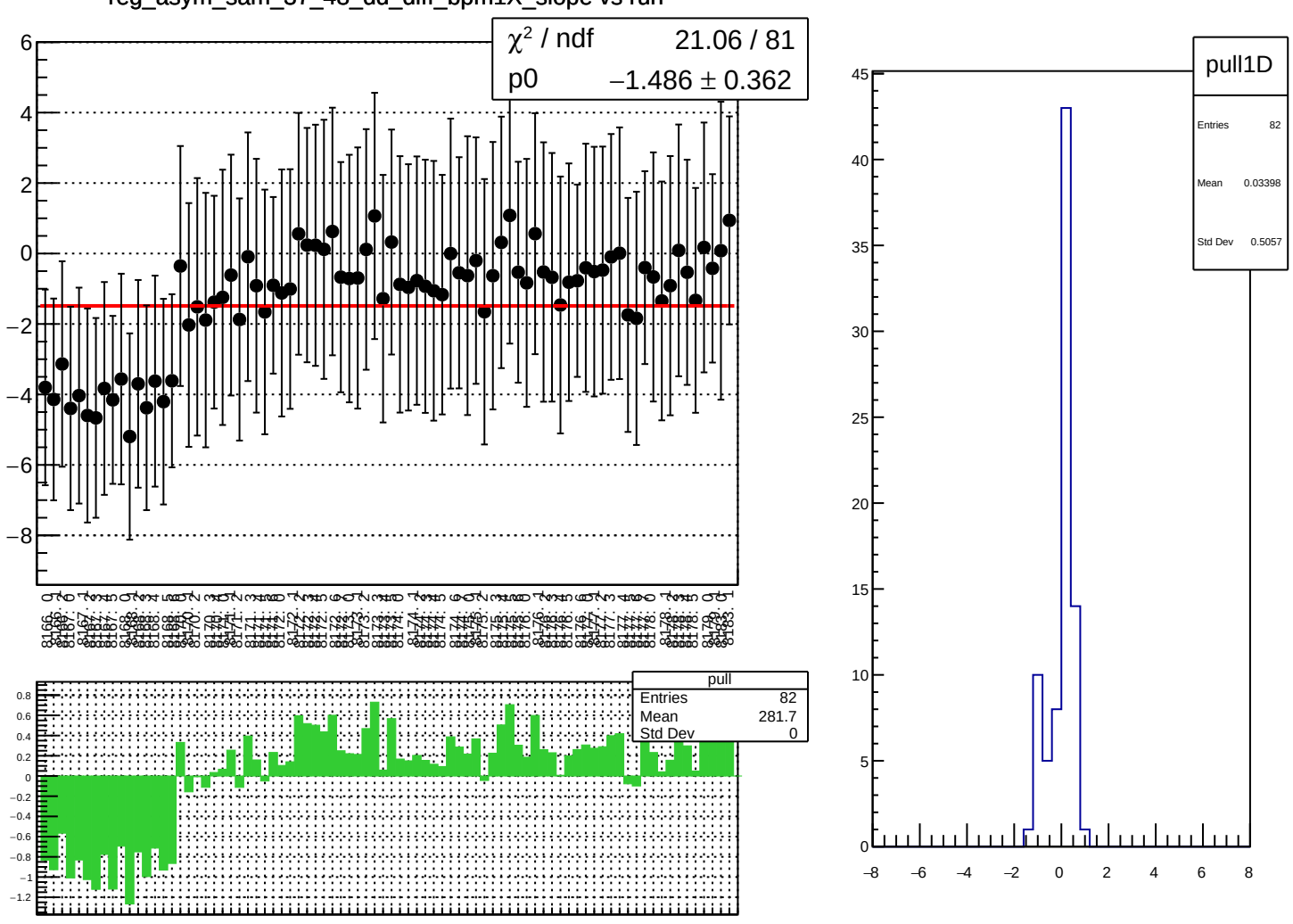

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8649 / 81
p0 54.92 ± 0.8333
pull
Entries 82
Mean −505.7
Std Dev 0

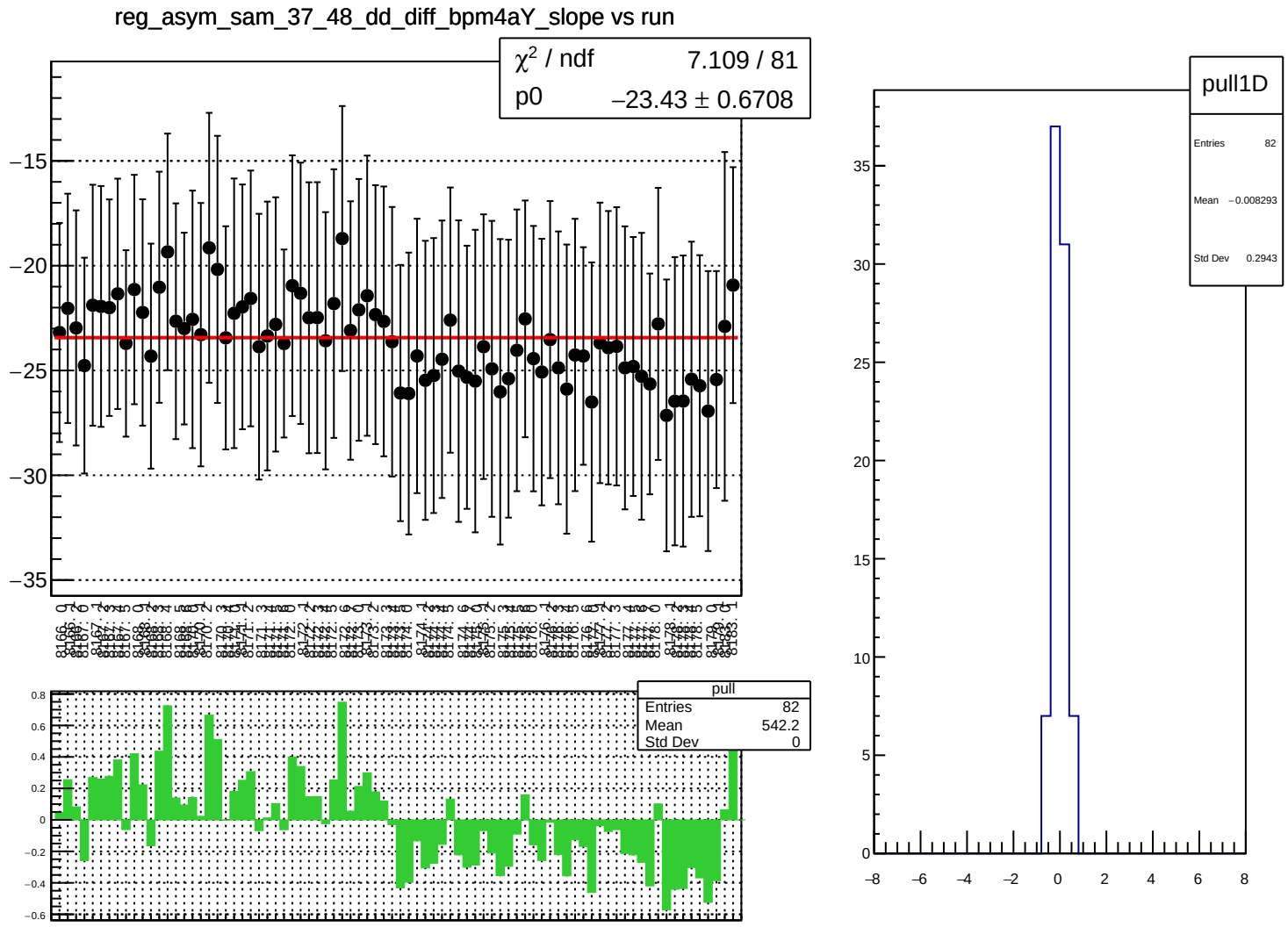

pull1D
Entries 82
Mean −0.0005861
Std Dev 0.1027

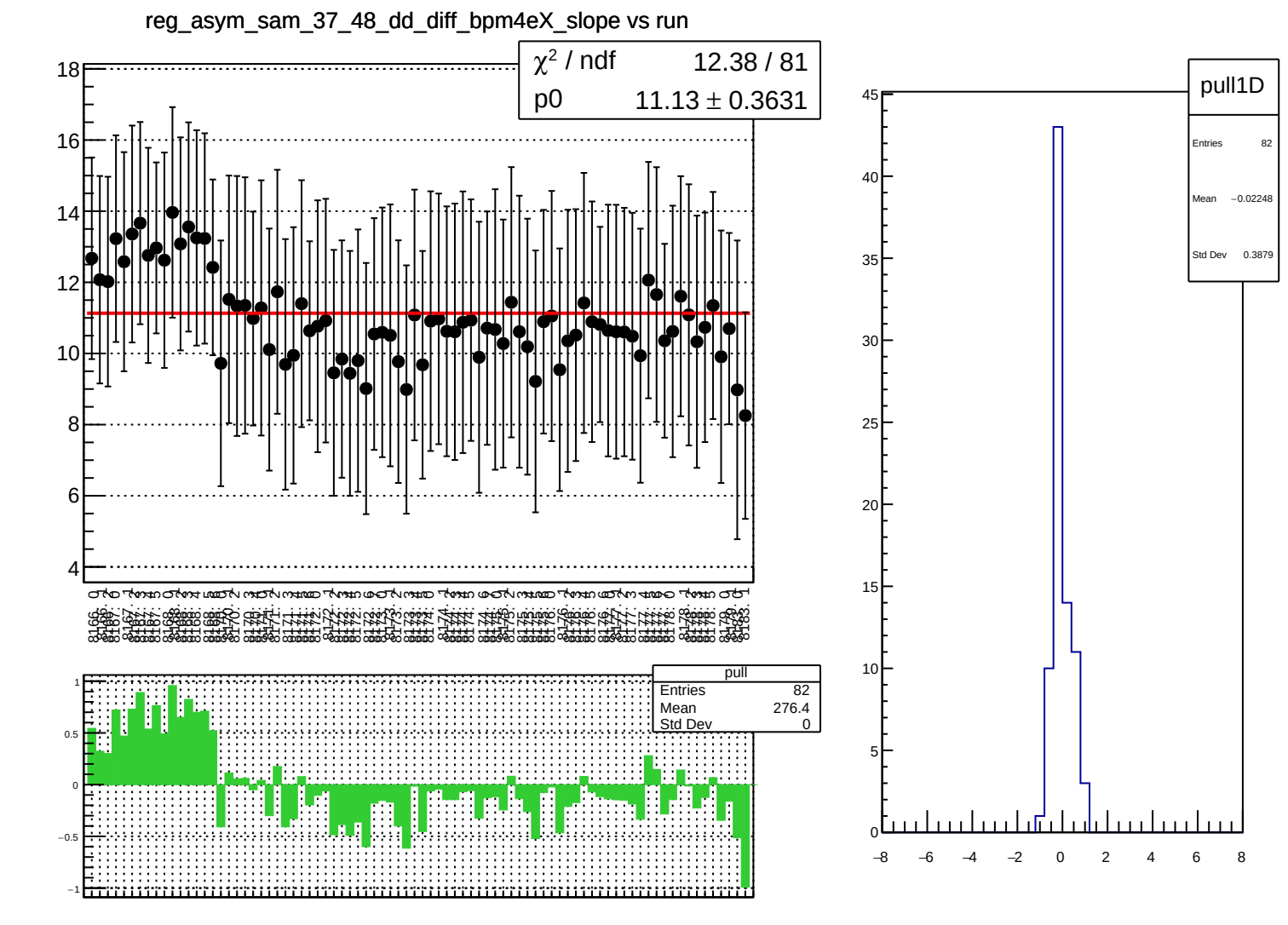

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7538 / 81
p0 −21.48 ± 1.649
pull
Entries 82
Mean 1847
Std Dev 0

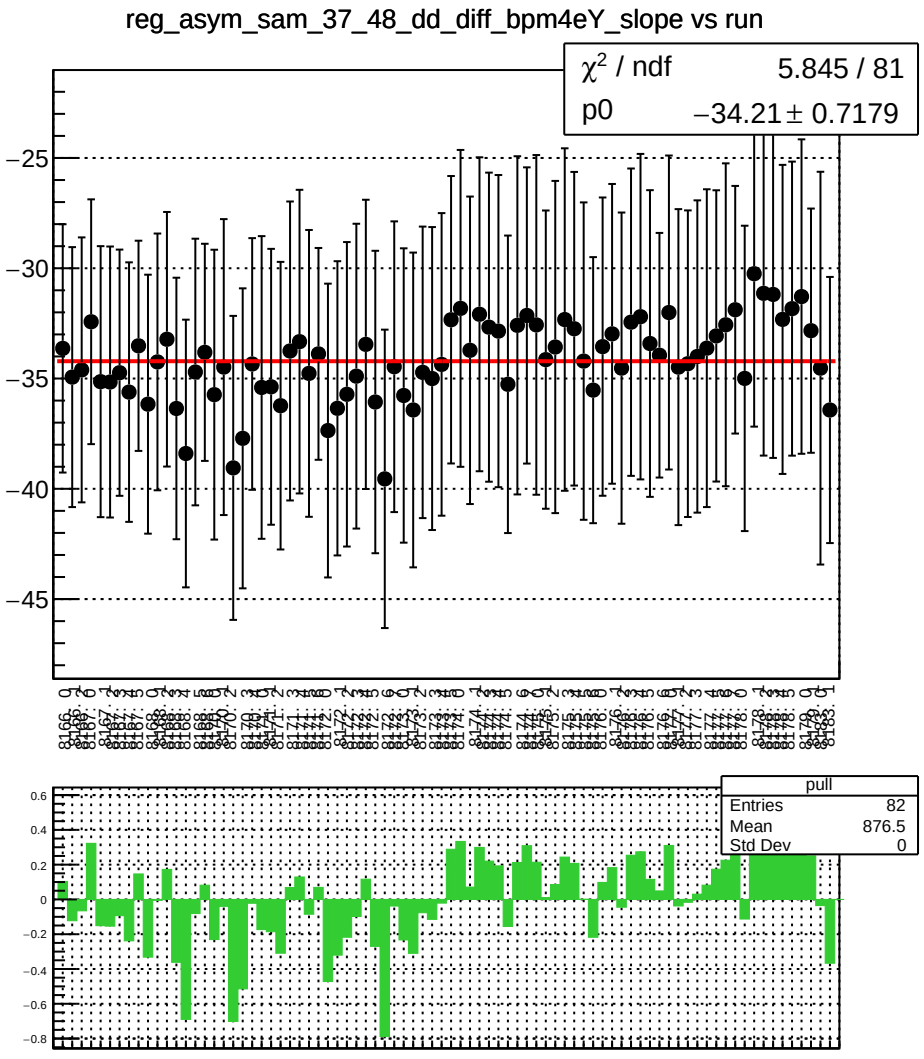

pull1D
Entries 82
Mean 0.0006035
Std Dev 0.09587

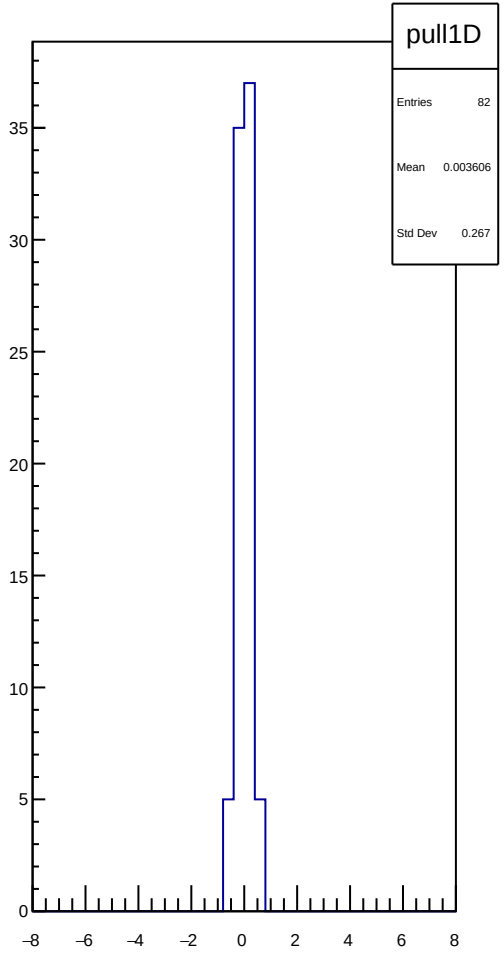

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.363 / 81
p0 −0.1836 ± 0.07685
pull
Entries 82
Mean −1648
Std Dev 0
pull1D
Entries 82
Mean −0.001196
Std Dev 0.1289

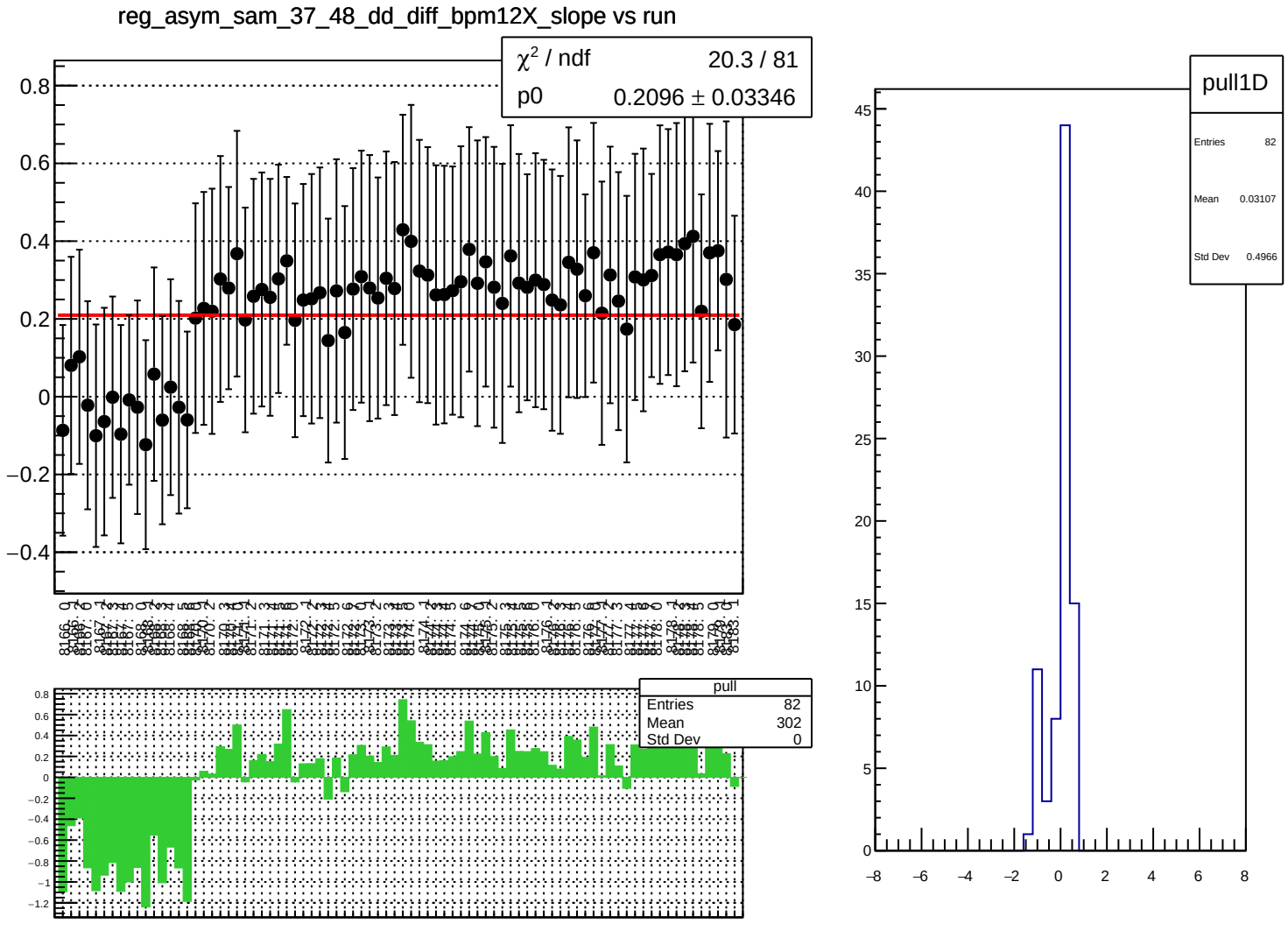

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 21.06 / 81
p0 −1.486 ± 0.362
pull
Entries 82
Mean 281.7
Std Dev 0
pull1D
Entries 82
Mean 0.03398
Std Dev 0.5057

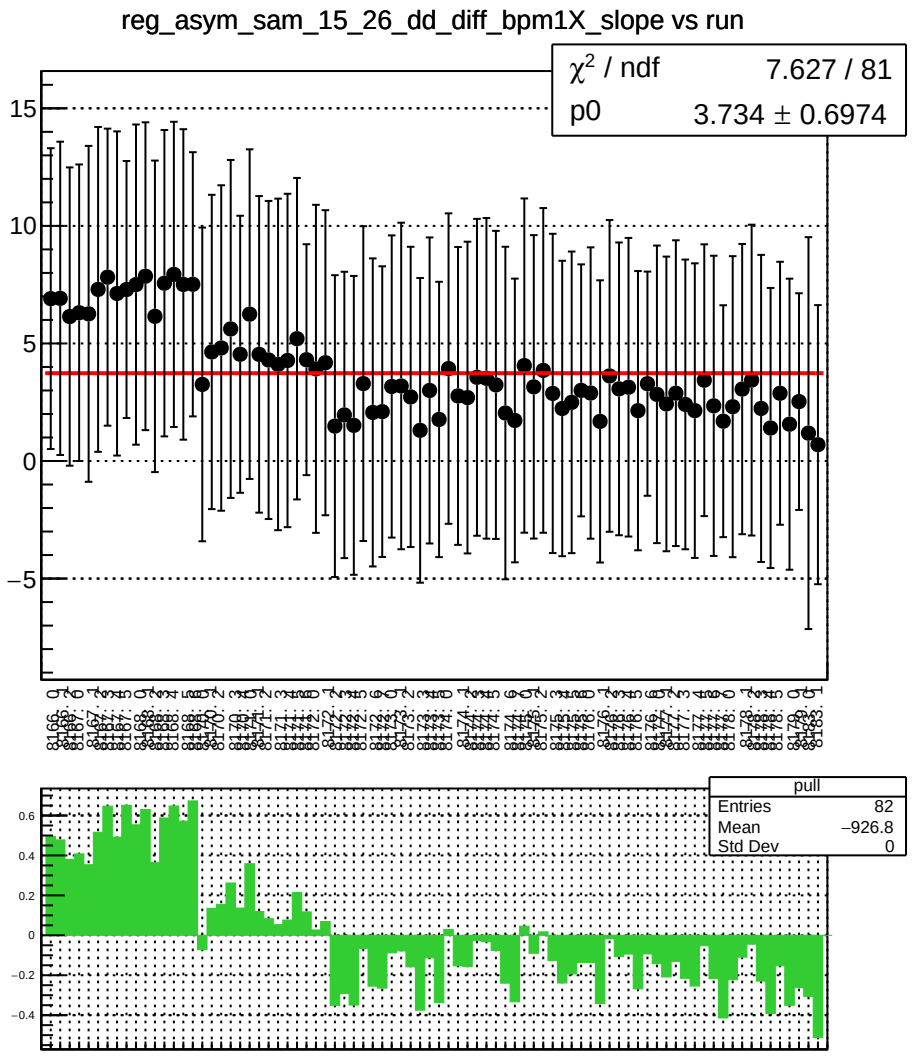

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.109 / 81
p0 −23.43 ± 0.6708
pull
Entries 82
Mean 542.2
Std Dev 0
pull1D
Entries 82
Mean −0.008293
Std Dev 0.2943

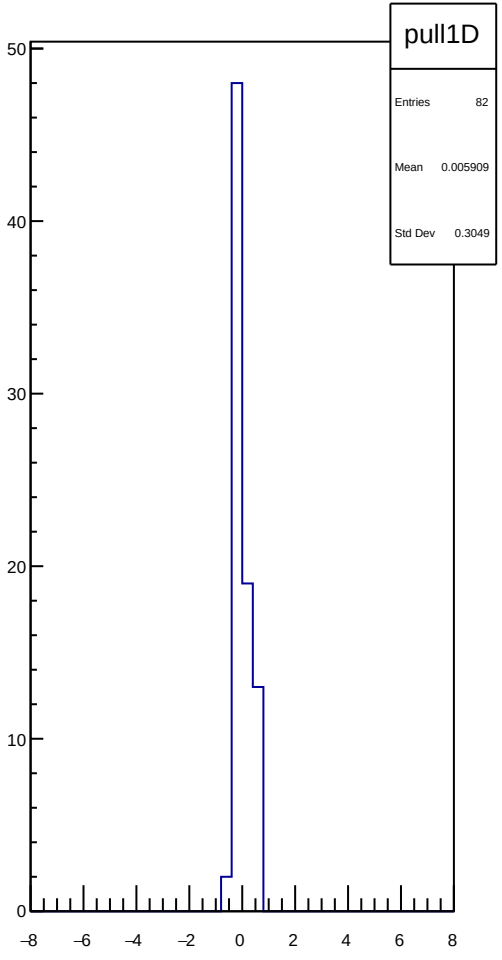

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.38 / 81
p0 11.13 ± 0.3631
pull
Entries 82
Mean 276.4
Std Dev 0
pull1D
Entries 82
Mean −0.02248
Std Dev 0.3879

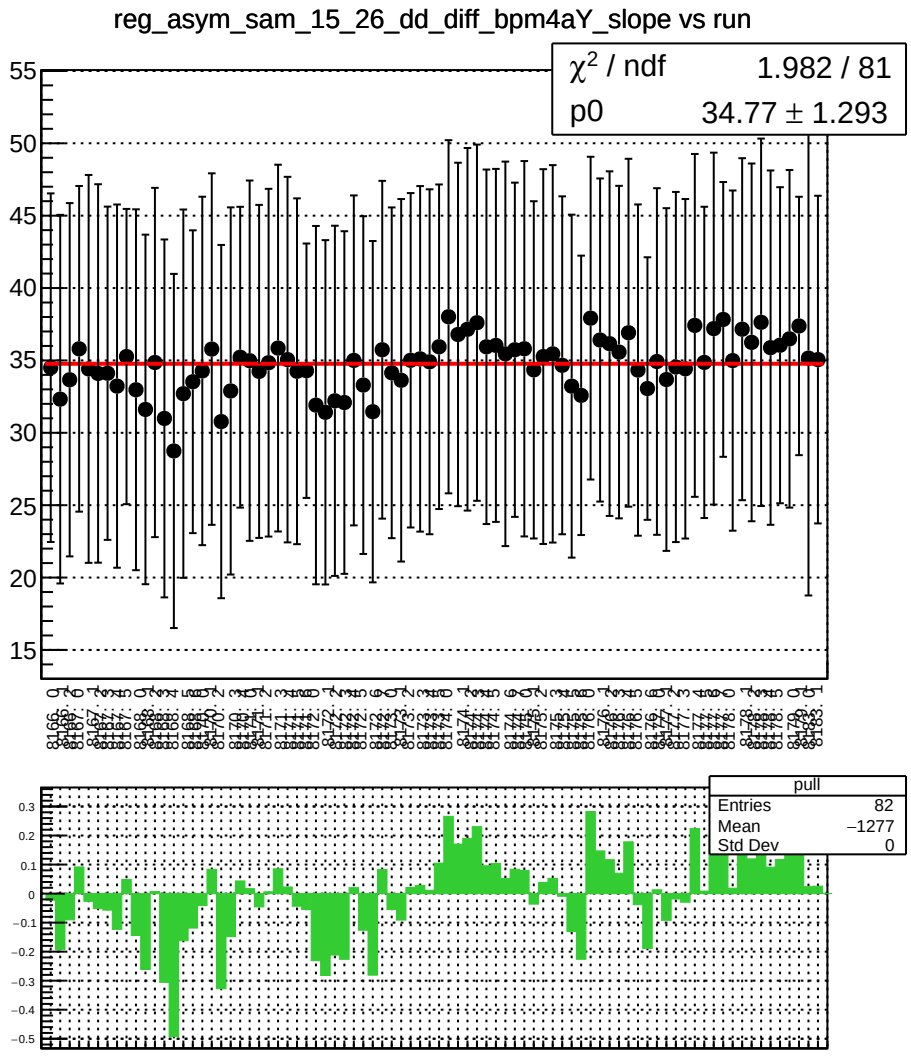

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.845 / 81
p0 −34.21 ± 0.7179
−25
−30
−35
−40
−45
pull
Entries 82
Mean 876.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

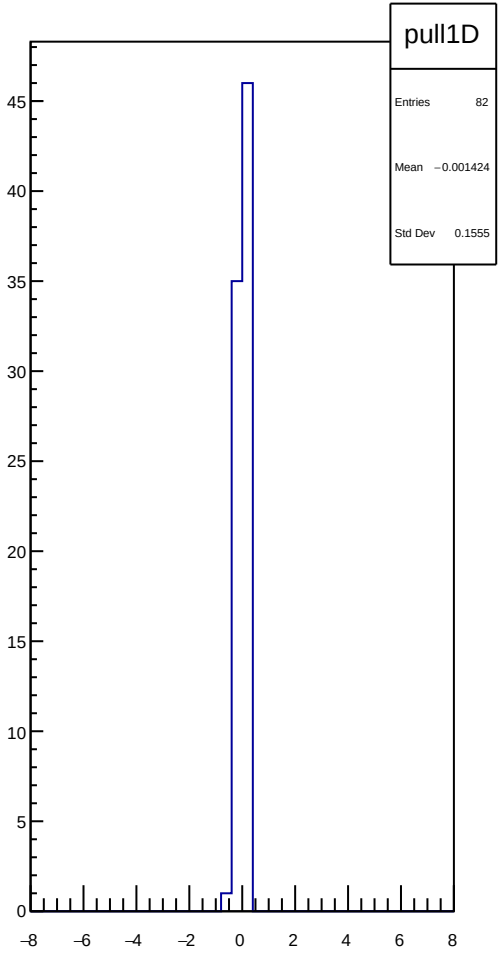

pull1D
Entries 82
Mean 0.003606
Std Dev 0.267
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

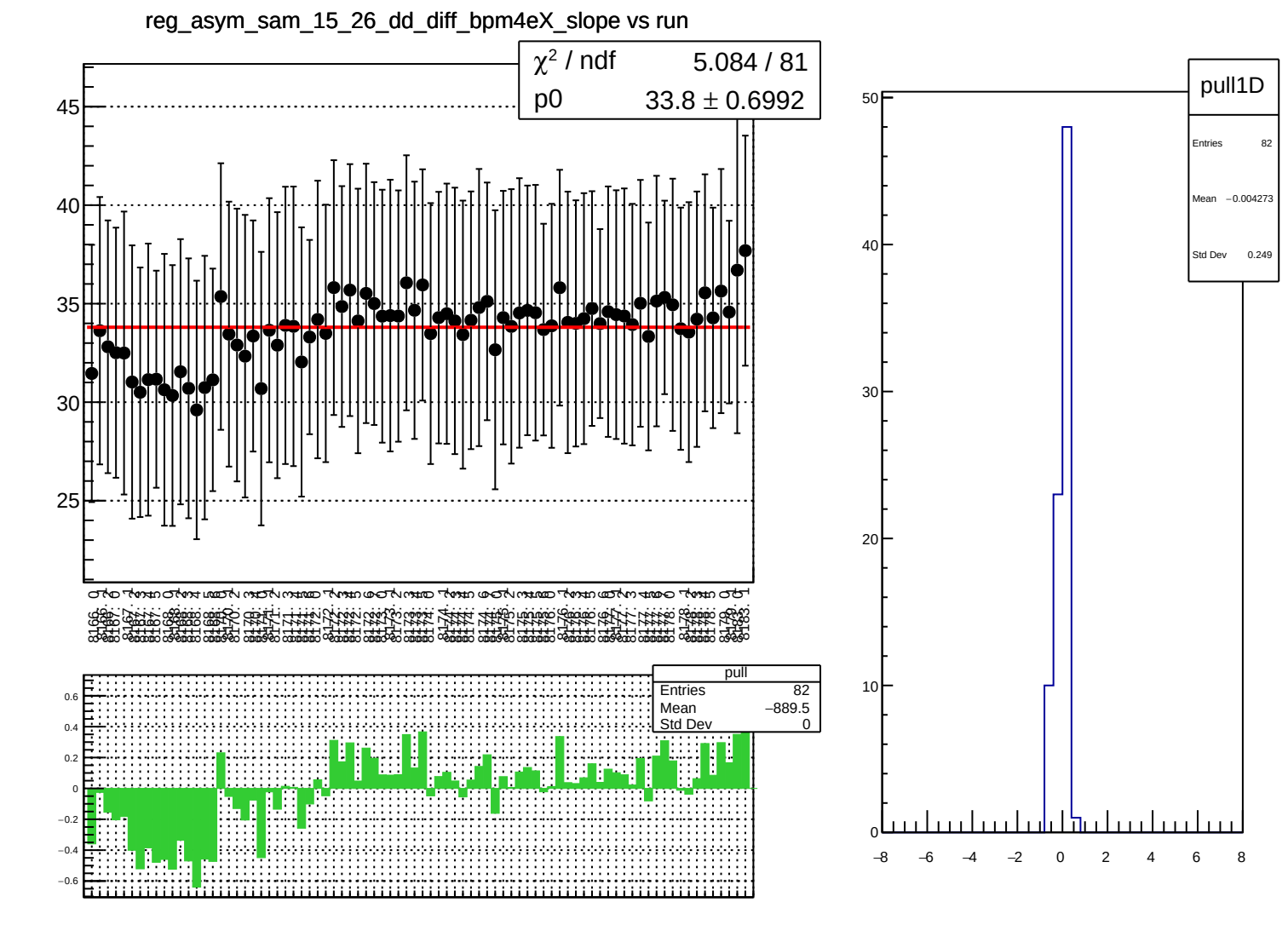

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 20.3 / 81
p0 0.2096 ± 0.03346
pull
Entries 82
Mean 302
Std Dev 0
pull1D
Entries 82
Mean 0.03107
Std Dev 0.4966

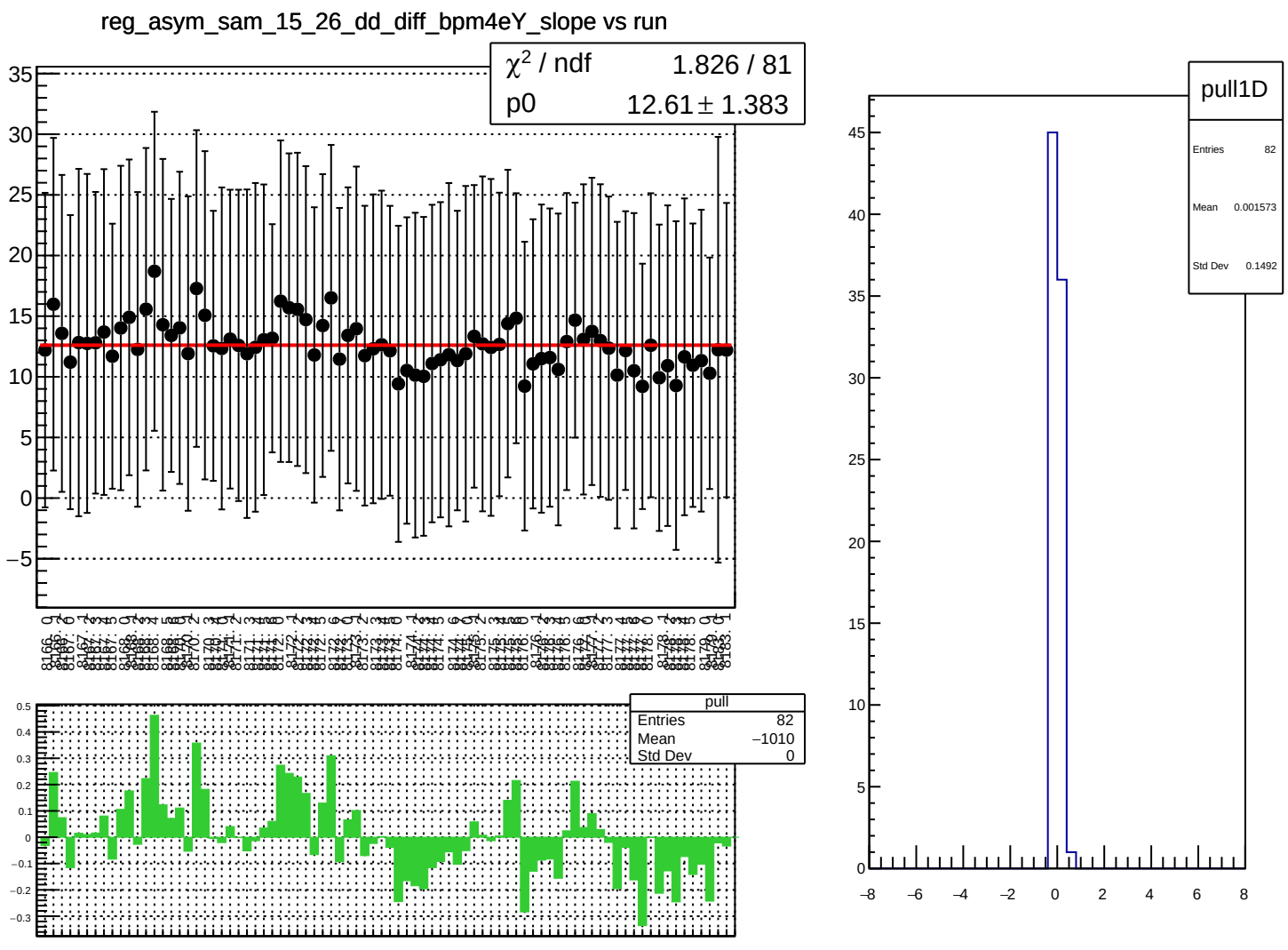

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 7.627 / 81
p0 3.734 ± 0.6974
pull
Entries 82
Mean −926.8
Std Dev 0

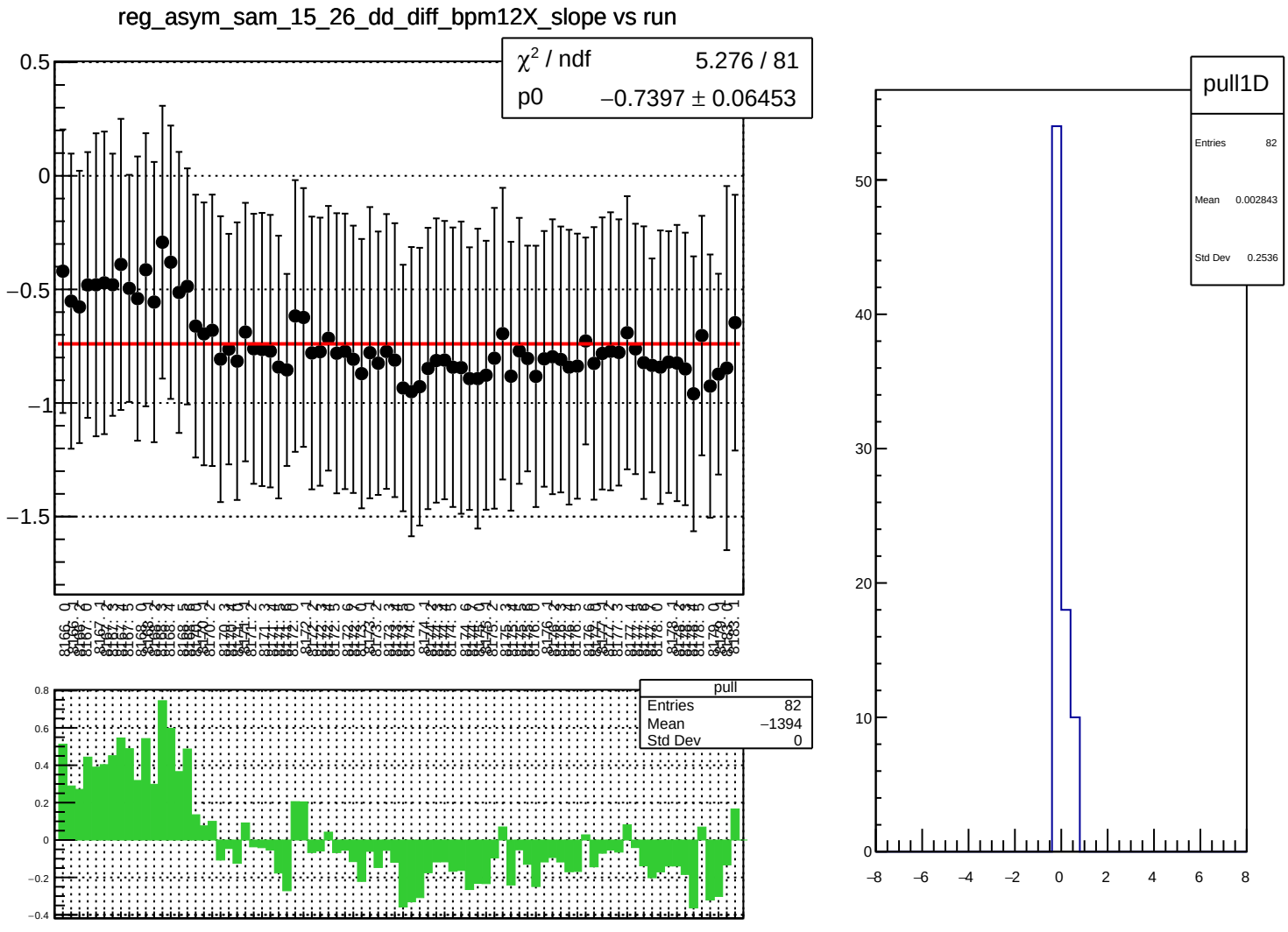

pull1D
Entries 82
Mean 0.005909
Std Dev 0.3049

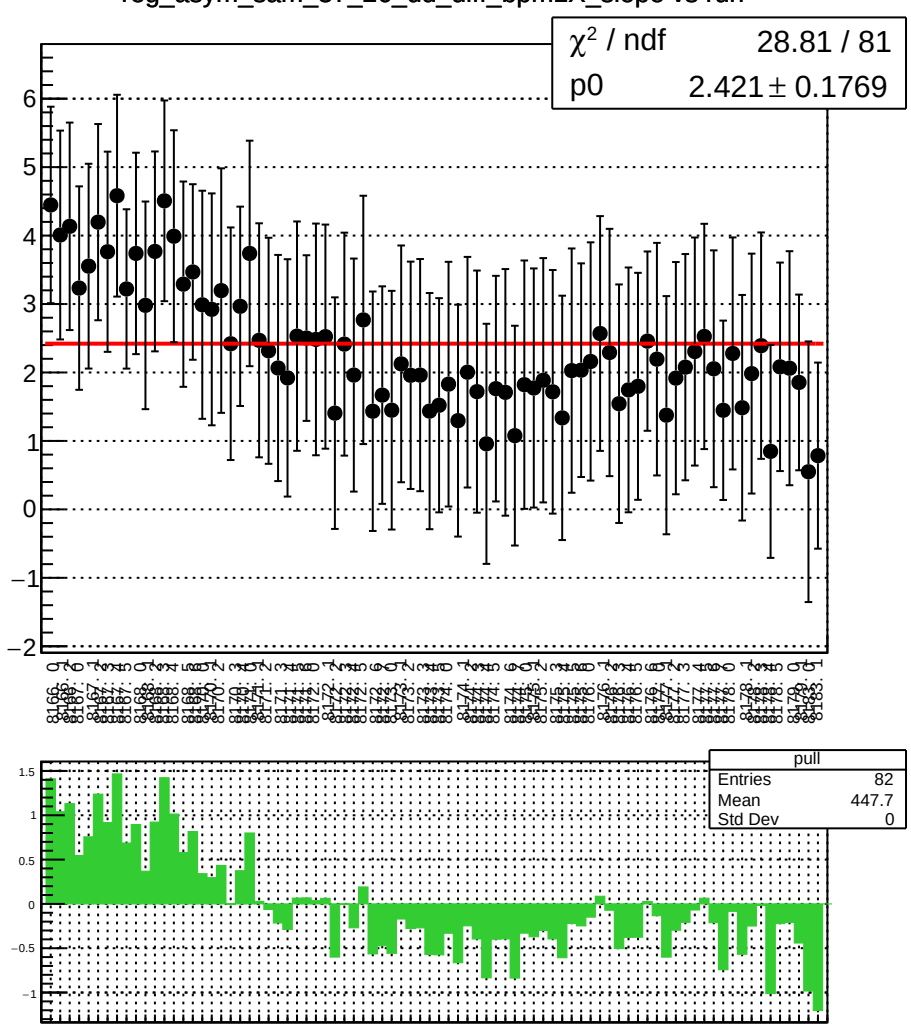

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.982 / 81
p0 34.77 ± 1.293
pull
Entries 82
Mean −1277
Std Dev 0

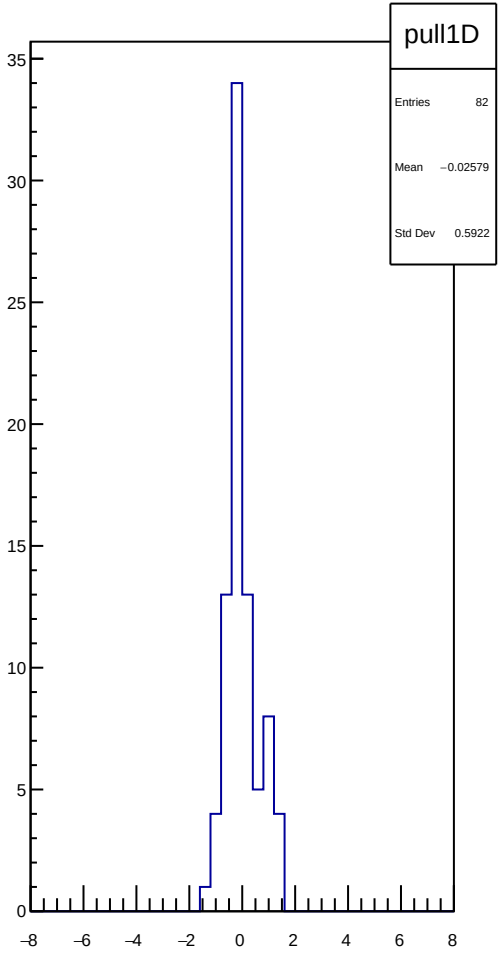

pull1D
Entries 82
Mean −0.001424
Std Dev 0.1555

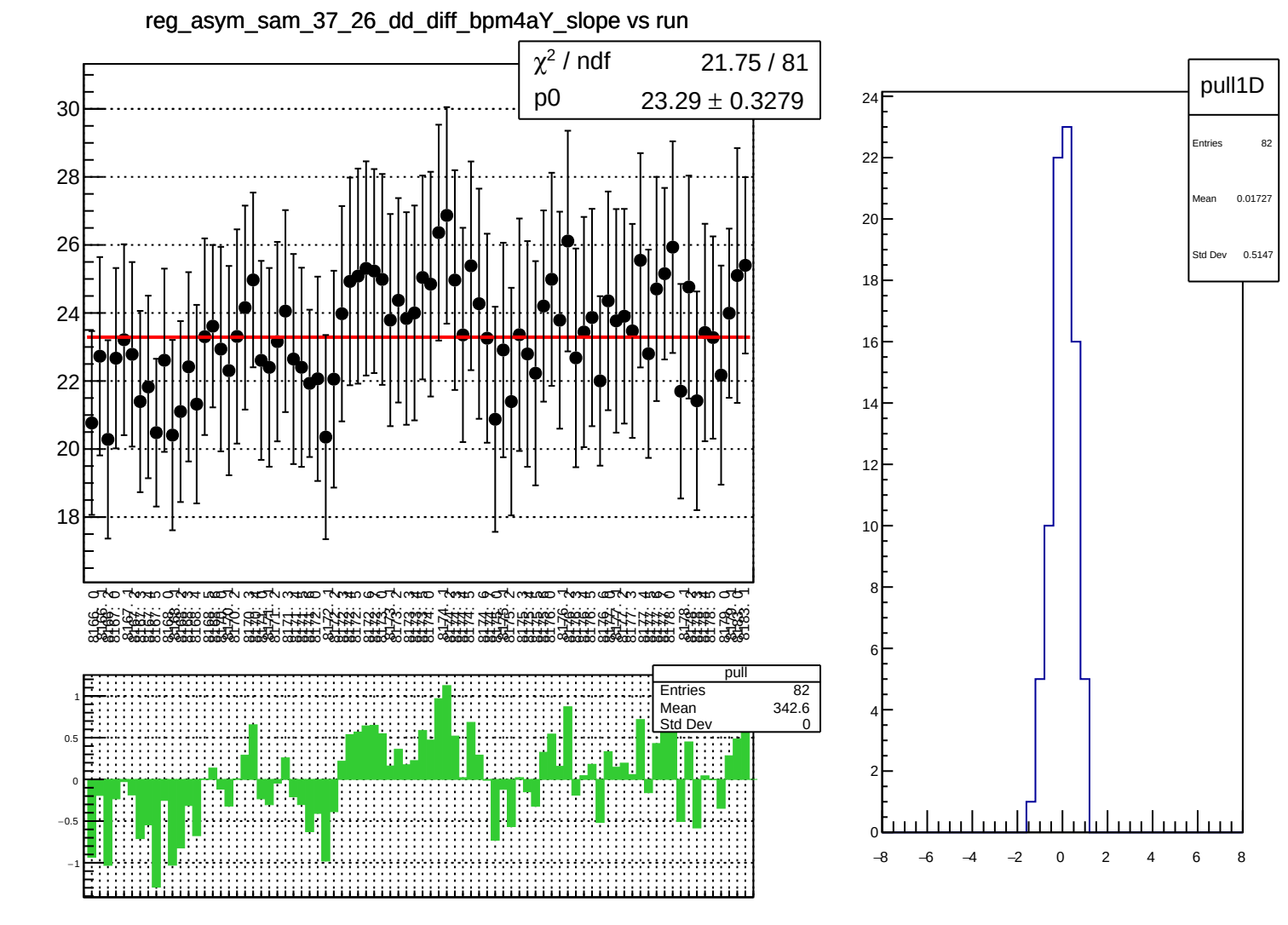

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.084 / 81
p0 33.8 ± 0.6992
pull
Entries 82
Mean −889.5
Std Dev 0
pull1D
Entries 82
Mean −0.004273
Std Dev 0.249

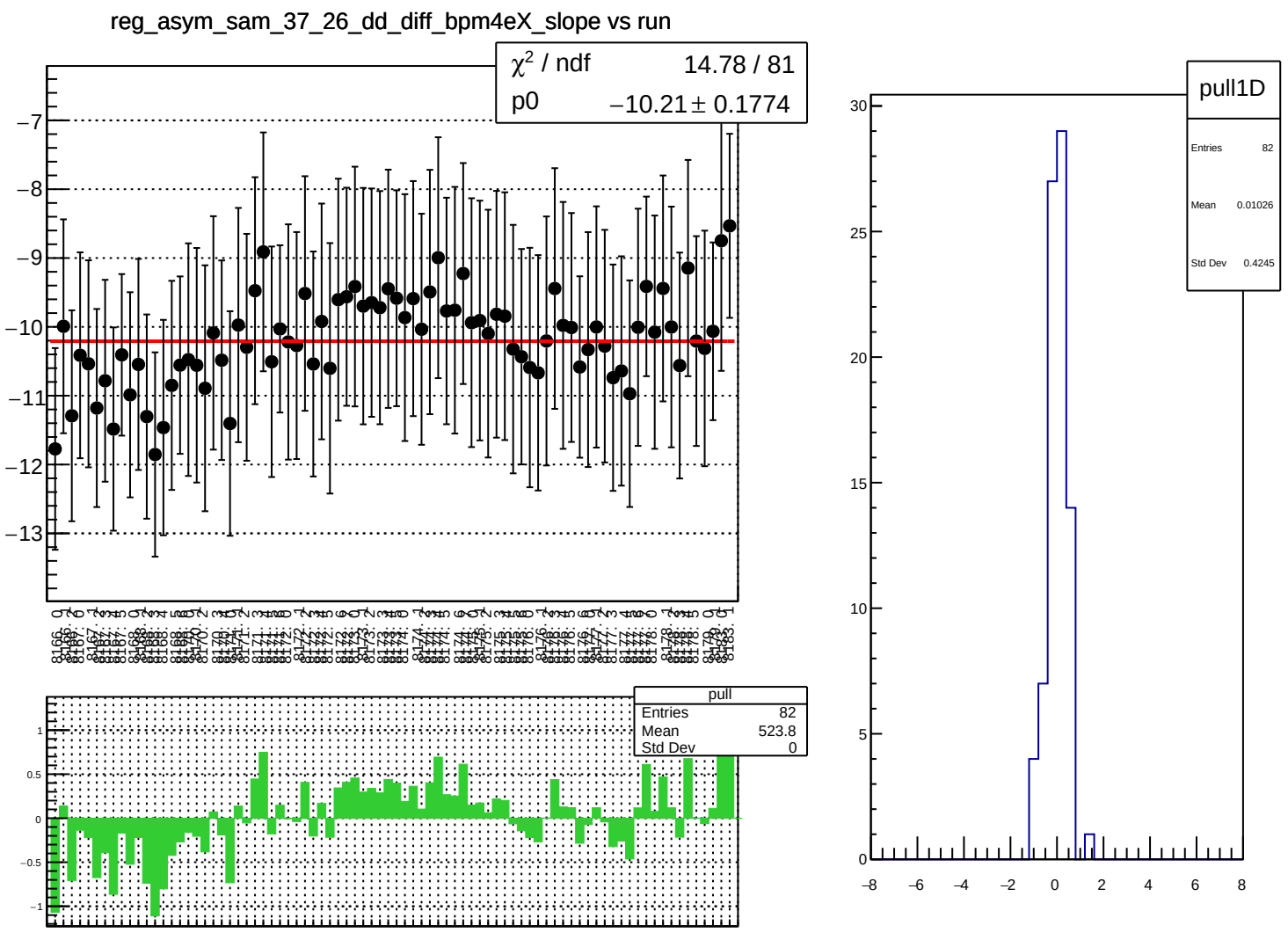

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.826 / 81
p0 12.61 ± 1.383
pull
Entries 82
Mean −1010
Std Dev 0
pull1D
Entries 82
Mean 0.001573
Std Dev 0.1492

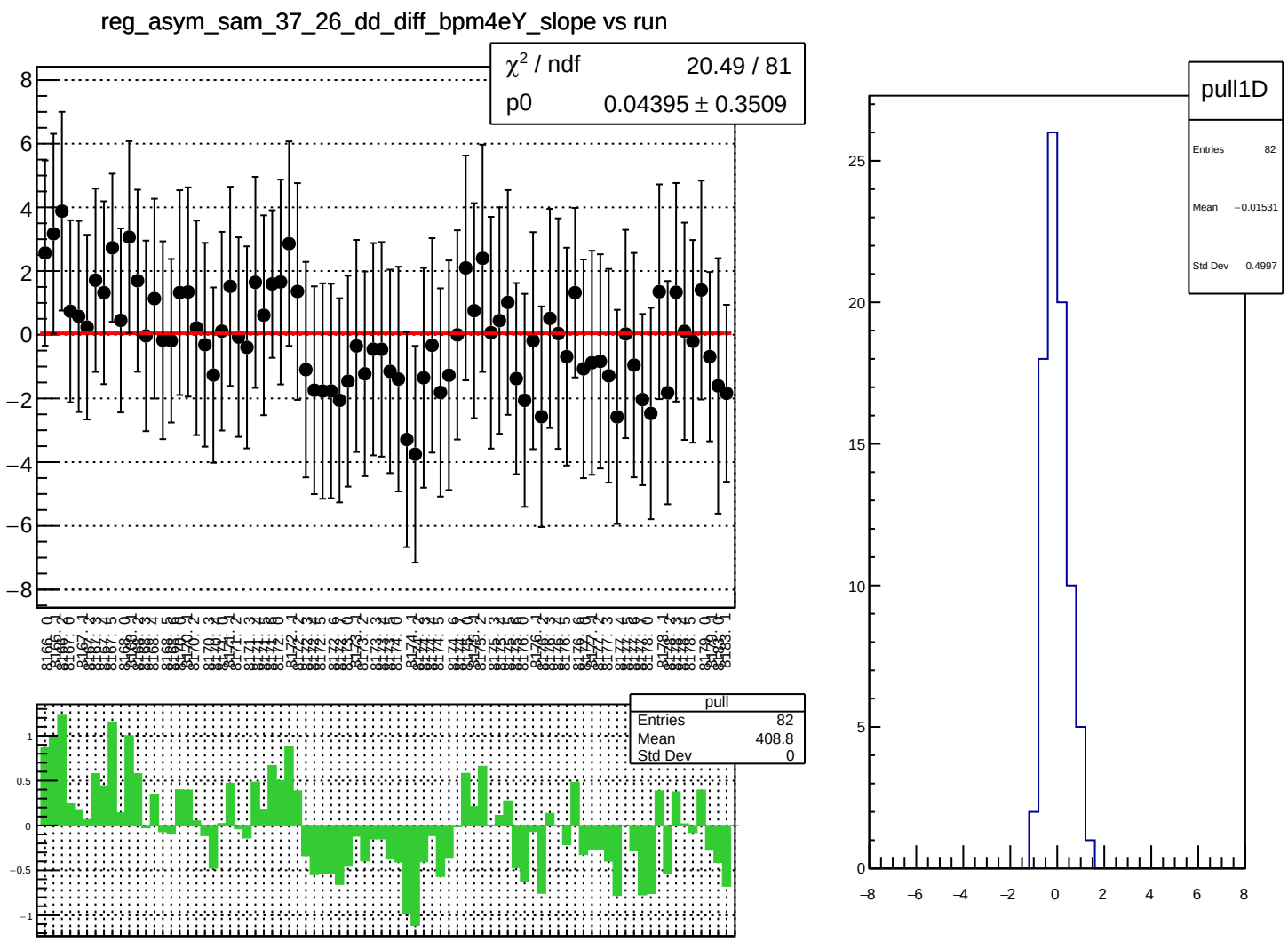

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 5.276 / 81
p0 −0.7397 ± 0.06453
pull
Entries 82
Mean −1394
Std Dev 0
pull1D
Entries 82
Mean 0.002843
Std Dev 0.2536

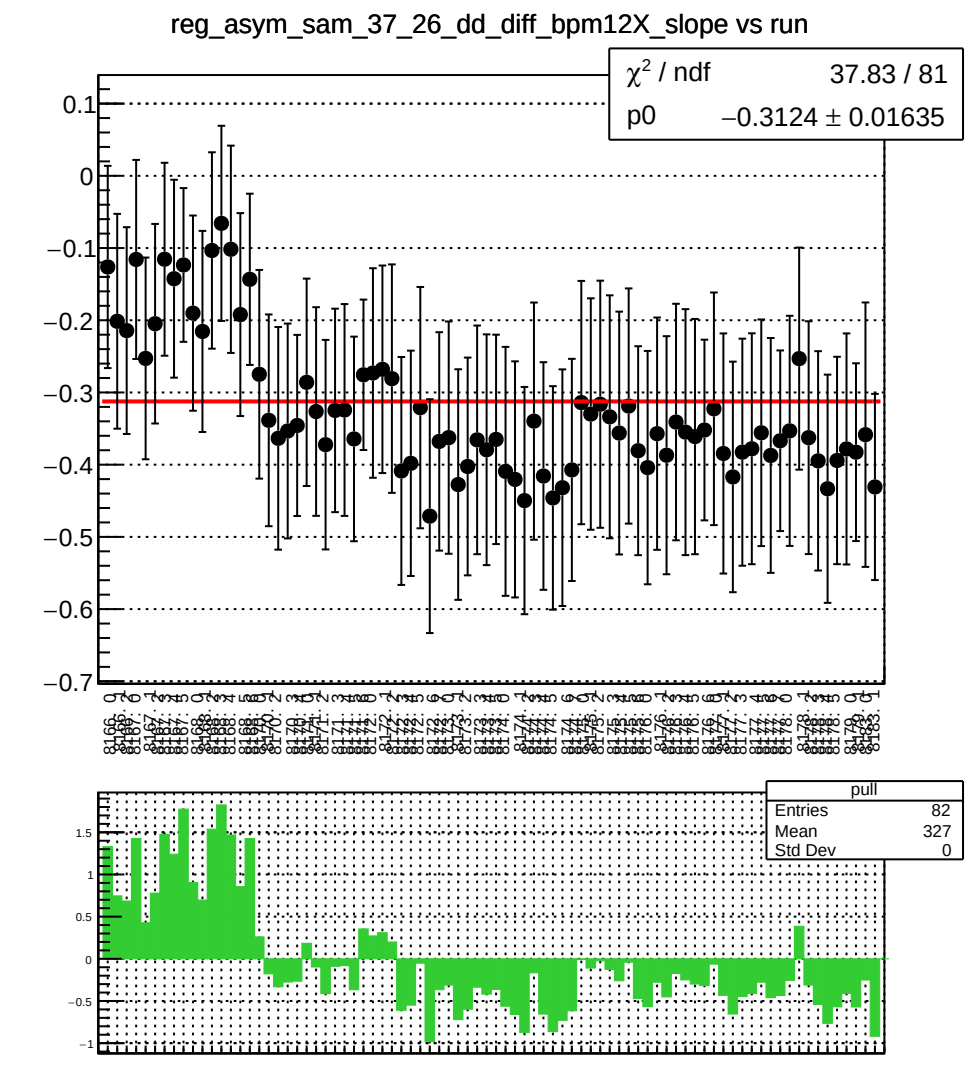

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 28.81 / 81
p0 2.421 ± 0.1769
pull
Entries 82
Mean 447.7
Std Dev 0

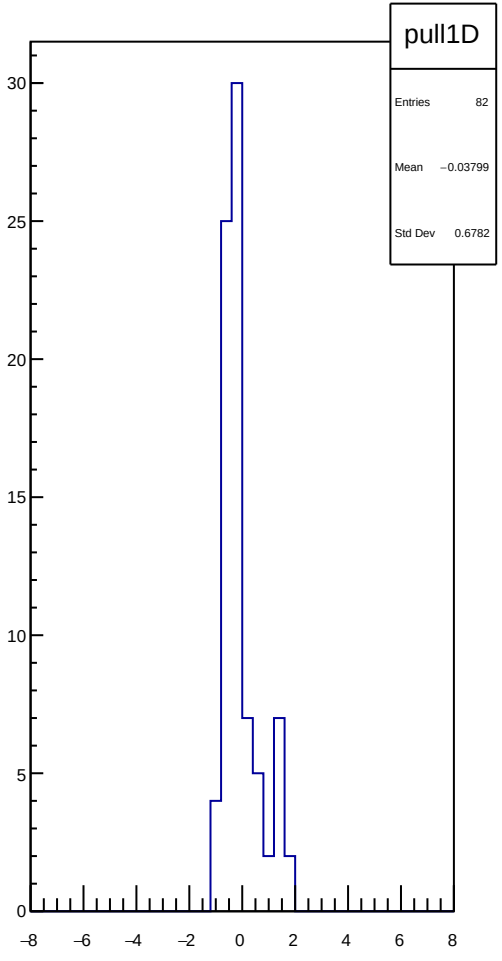

pull1D
Entries 82
Mean −0.02579
Std Dev 0.5922

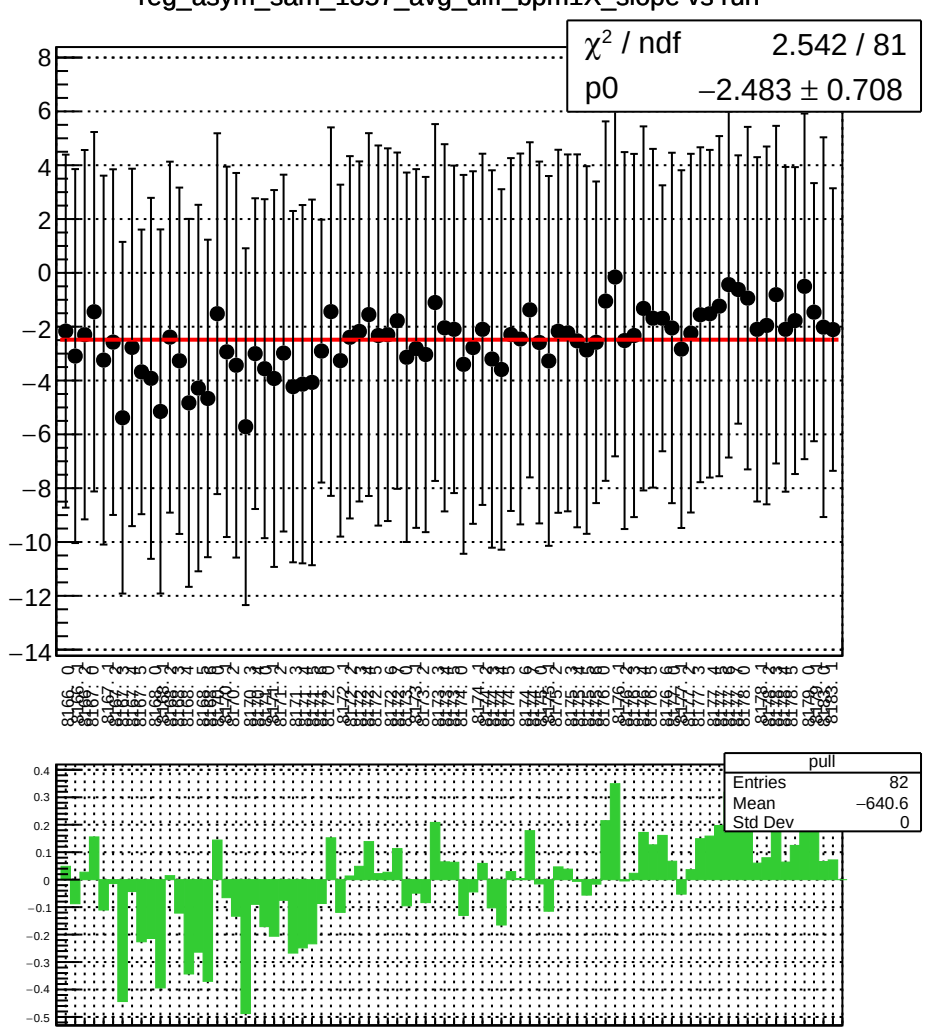

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.75 / 81
p0 23.29 ± 0.3279
pull
Entries 82
Mean 342.6
Std Dev 0
pull1D
Entries 82
Mean 0.01727
Std Dev 0.5147

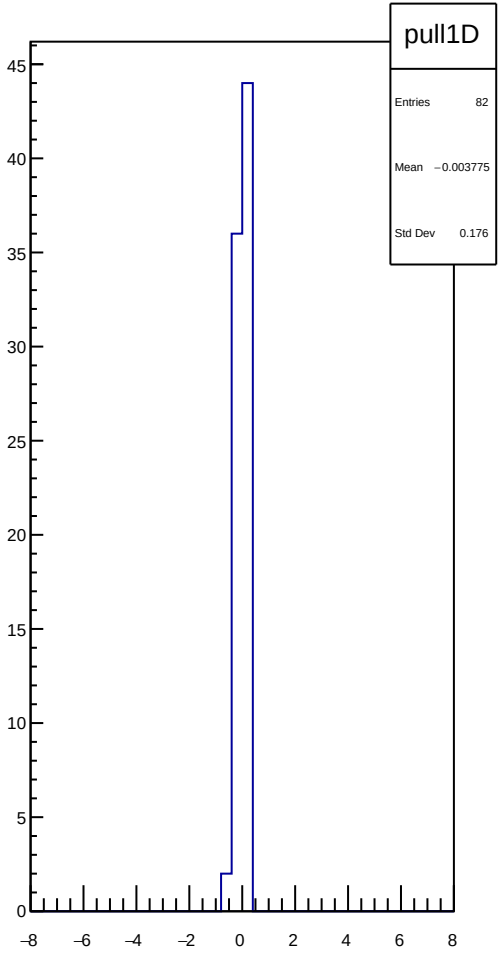

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.78 / 81
p0 −10.21 ± 0.1774
pull
Entries 82
Mean 523.8
Std Dev 0
pull1D
Entries 82
Mean 0.01026
Std Dev 0.4245

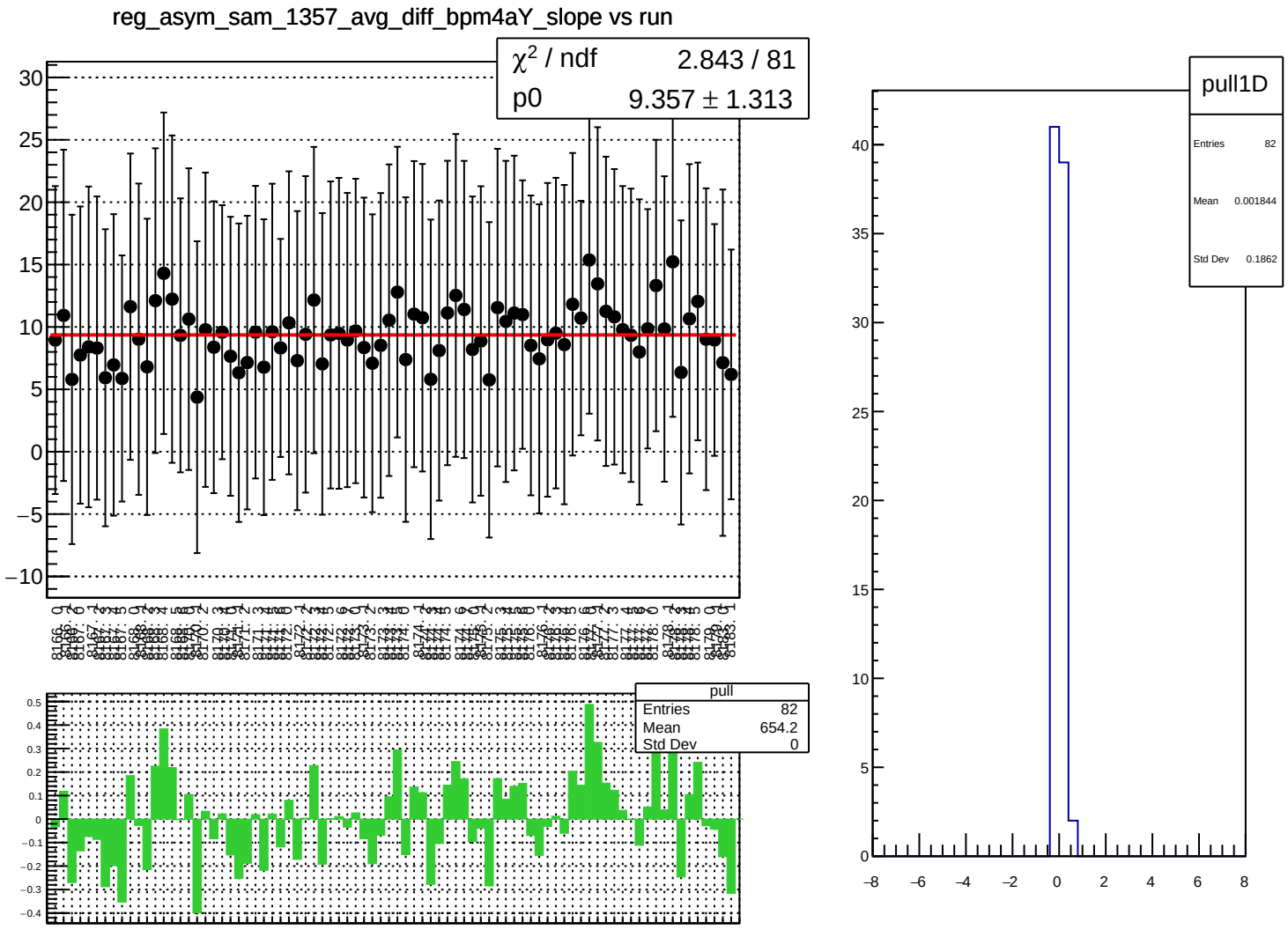

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.49 / 81
p0 0.04395 ± 0.3509
pull
Entries 82
Mean 408.8
Std Dev 0
pull1D
Entries 82
Mean −0.01531
Std Dev 0.4997

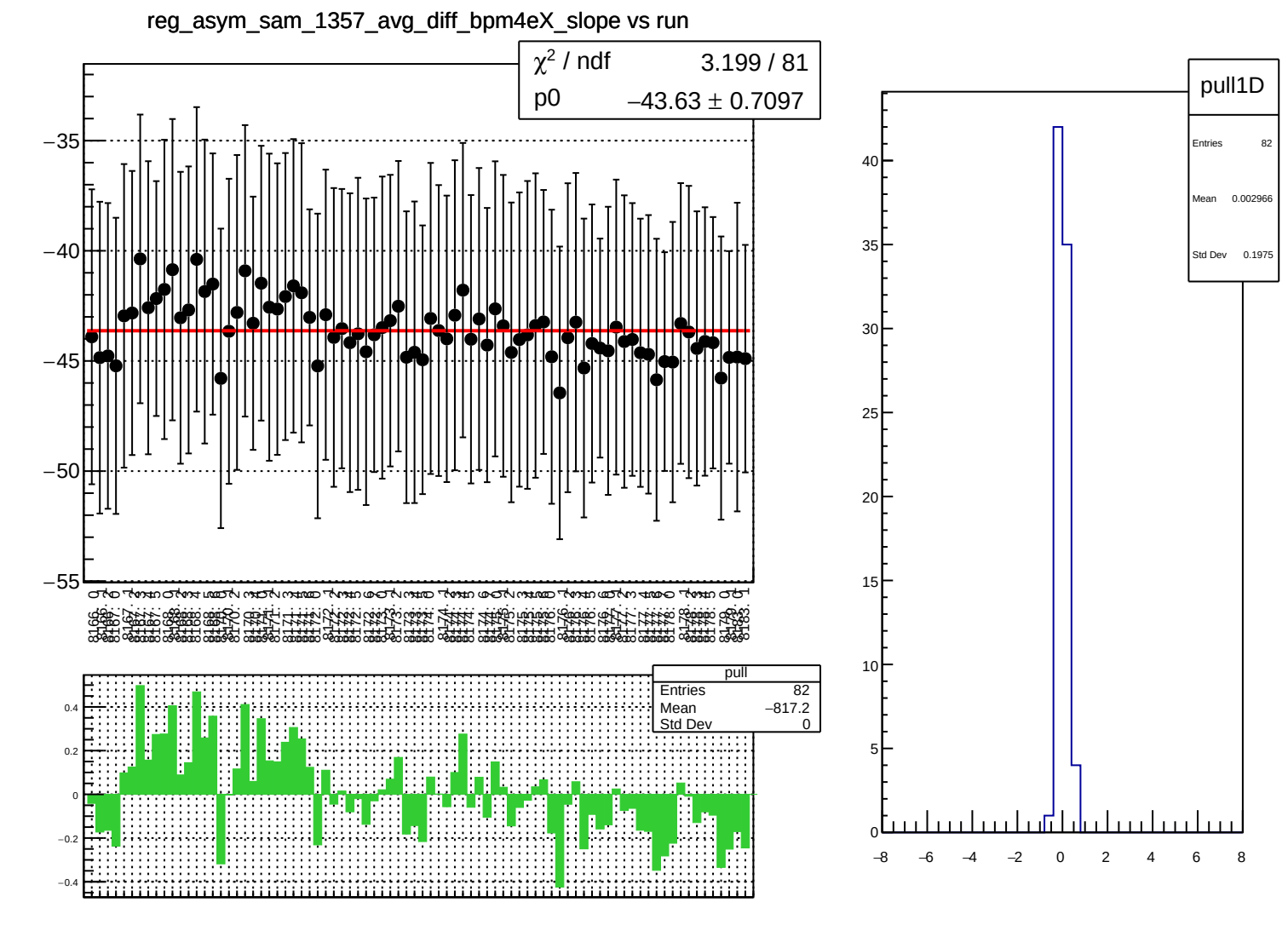

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 37.83 / 81
p0 −0.3124 ± 0.01635
pull
Entries 82
Mean 327
Std Dev 0

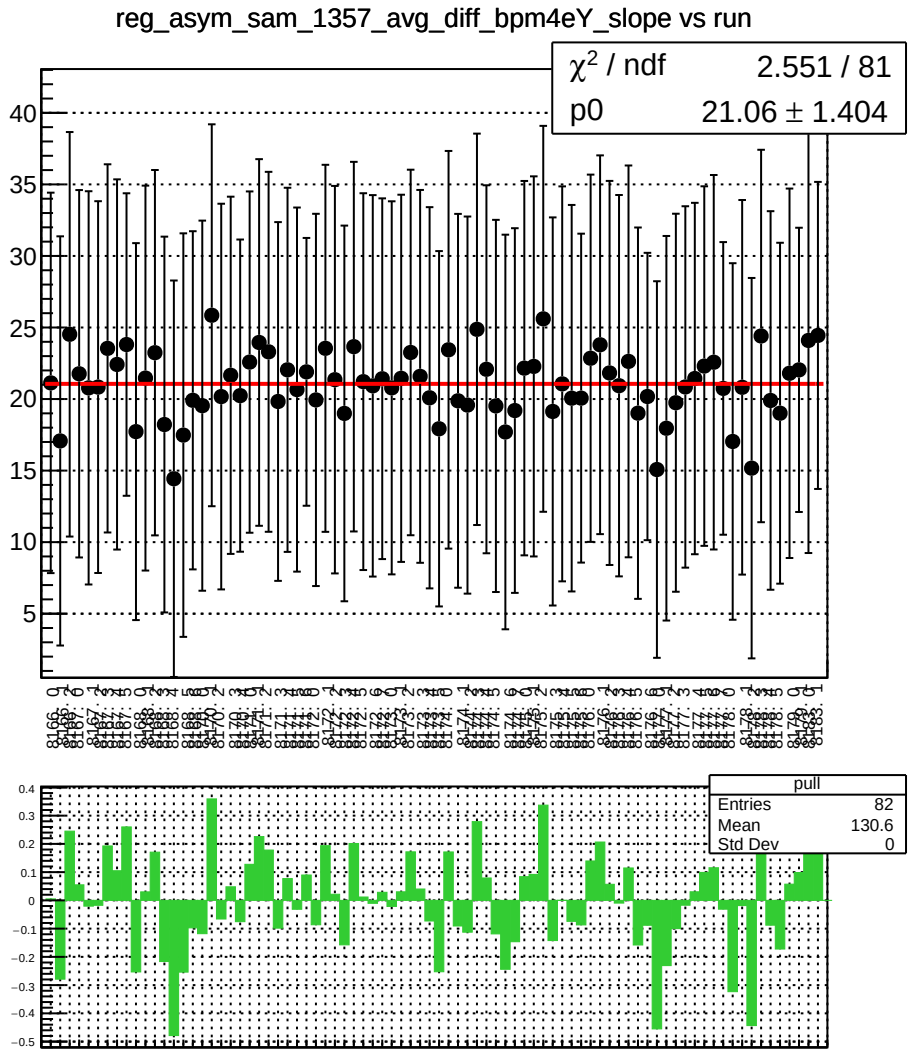

pull1D
Entries 82
Mean −0.03799
Std Dev 0.6782

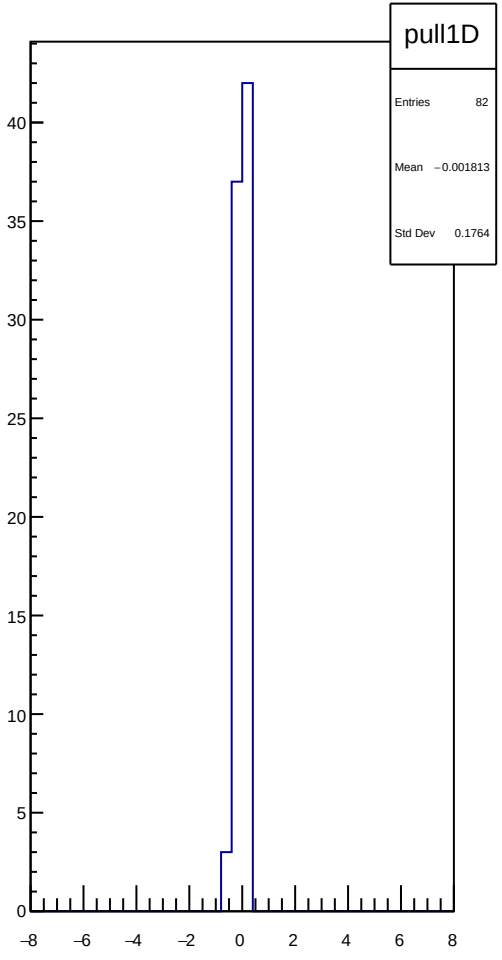

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 2.542 / 81
p0 −2.483 ± 0.708
pull
Entries 82
Mean −640.6
Std Dev 0

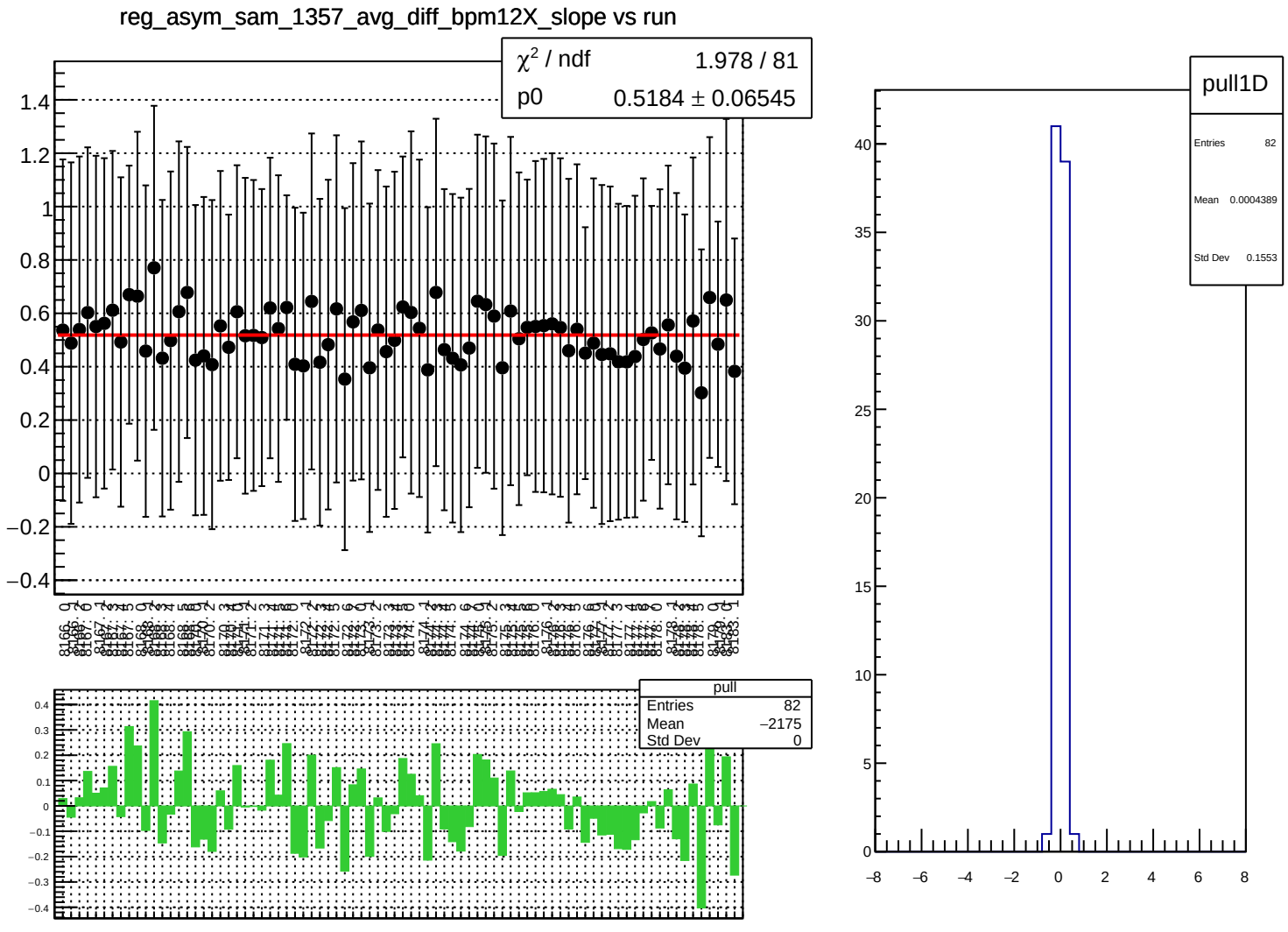

pull1D
Entries 82
Mean −0.003775
Std Dev 0.176

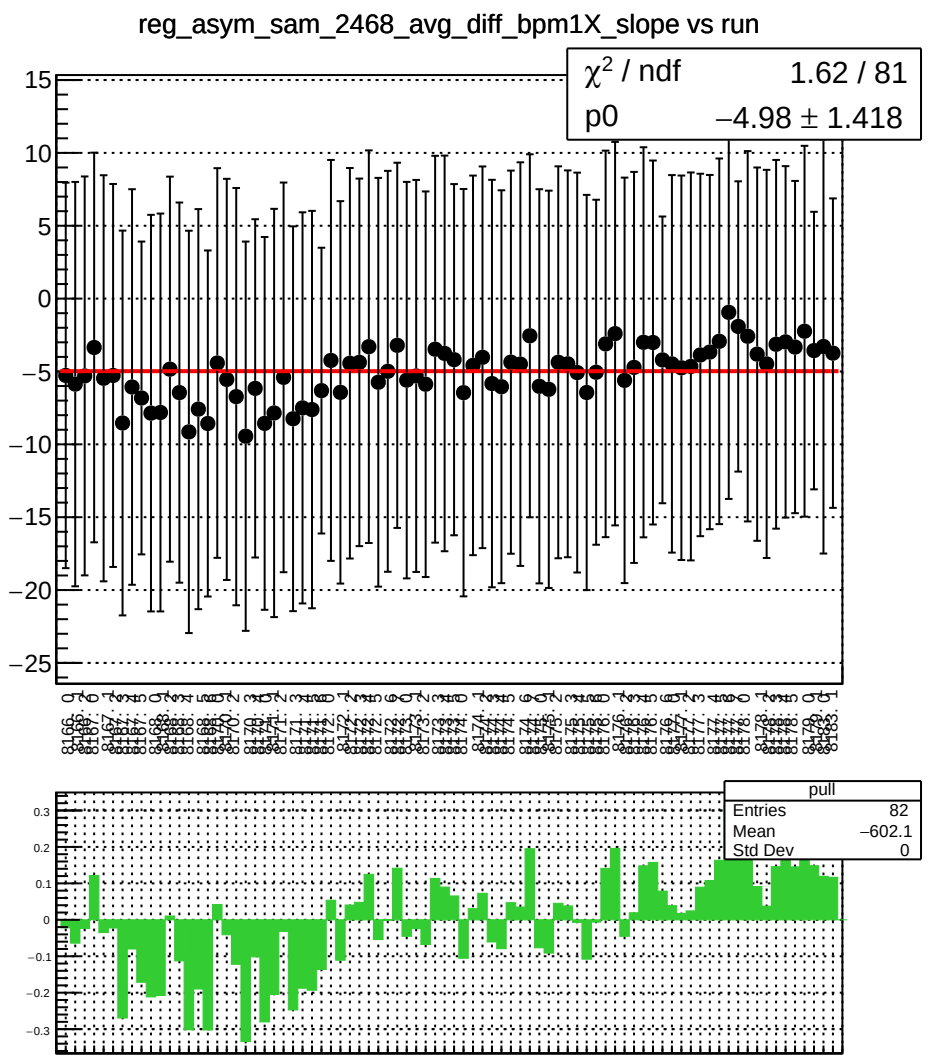

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.843 / 81
p0 9.357 ± 1.313
pull
Entries 82
Mean 654.2
Std Dev 0
pull1D
Entries 82
Mean 0.001844
Std Dev 0.1862

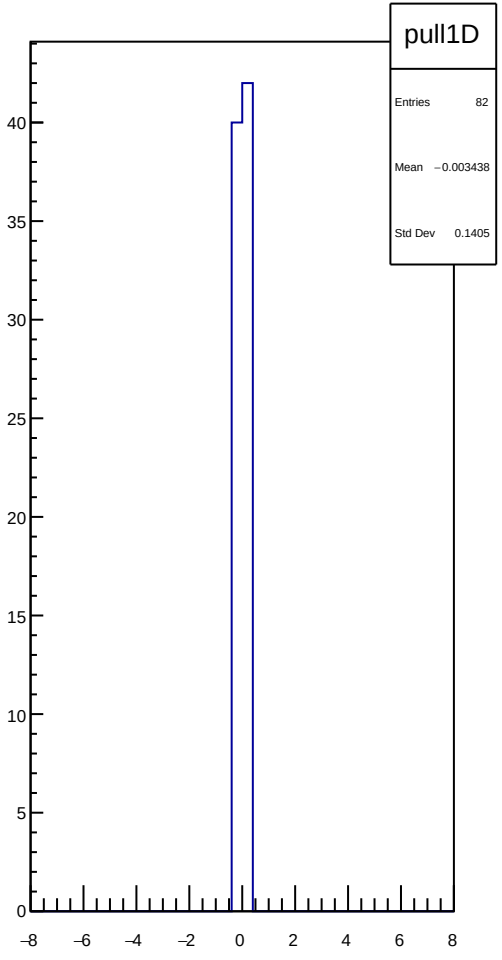

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.199 / 81
p0 −43.63 ± 0.7097
pull
Entries 82
Mean −817.2
Std Dev 0
pull1D
Entries 82
Mean 0.002966
Std Dev 0.1975

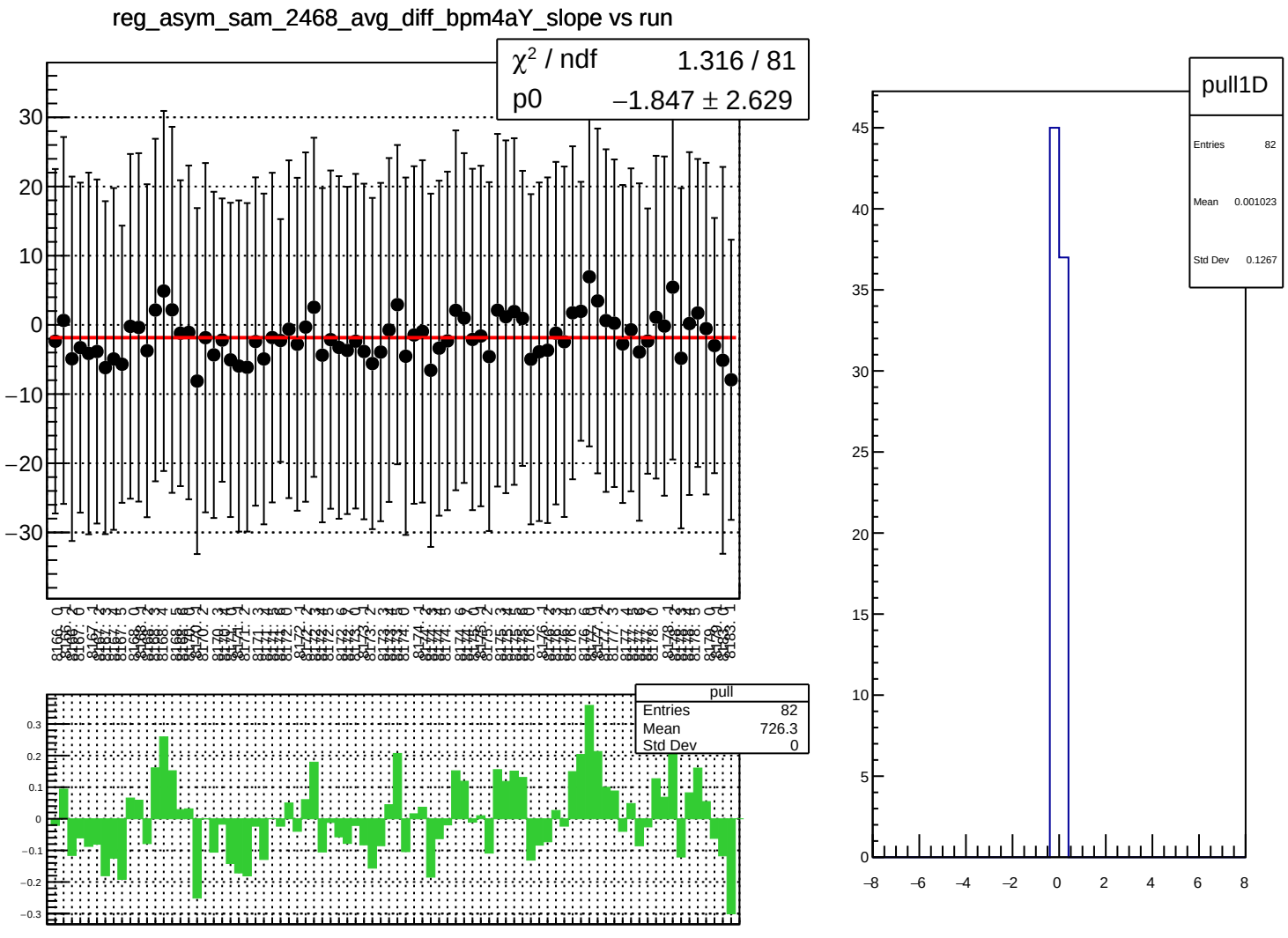

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.551 / 81
p0 21.06 ± 1.404
pull
Entries 82
Mean 130.6
Std Dev 0

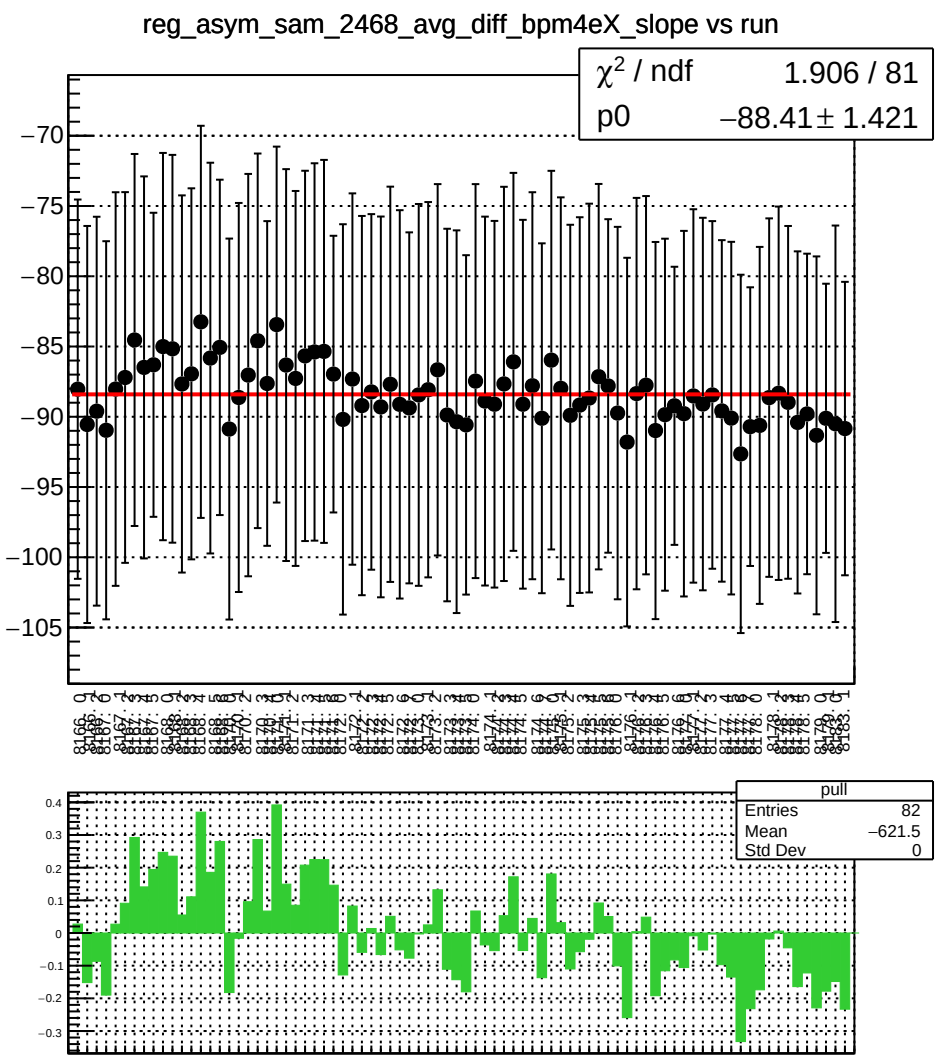

pull1D
Entries 82
Mean −0.001813
Std Dev 0.1764

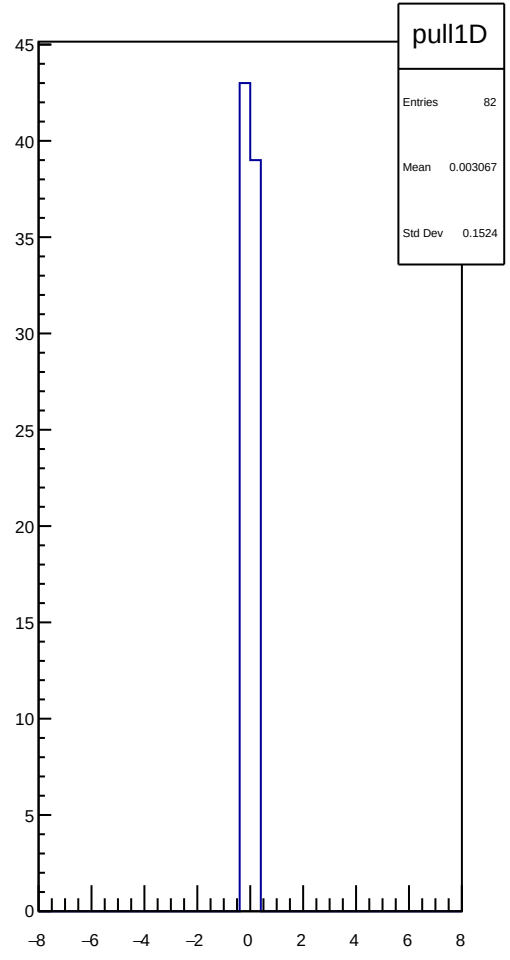

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 1.978 / 81
p0 0.5184 ± 0.06545
pull
Entries 82
Mean −2175
Std Dev 0
pull1D
Entries 82
Mean 0.0004389
Std Dev 0.1553

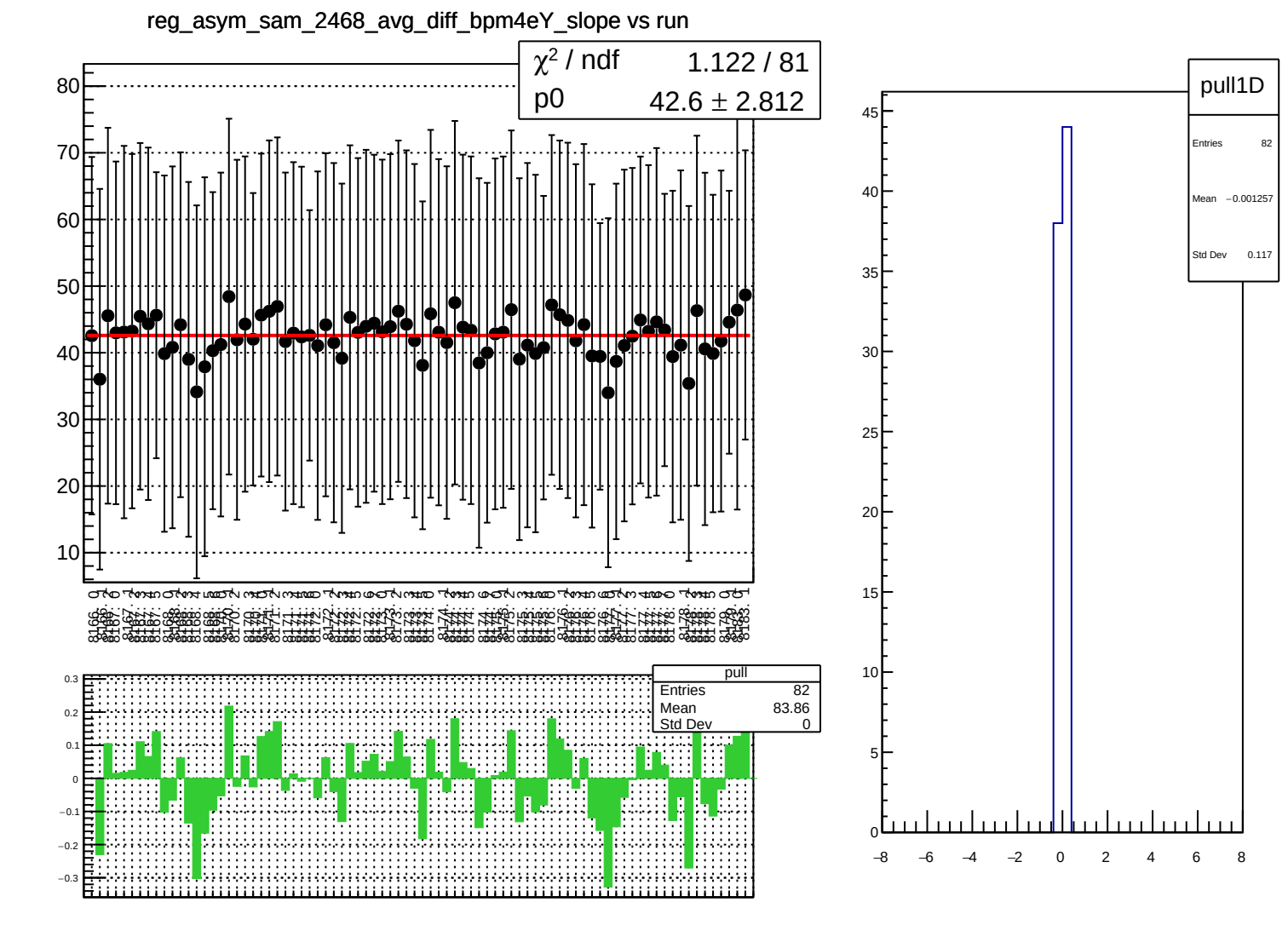

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.62 / 81
p0 −4.98 ± 1.418
pull
Entries 82
Mean −602.1
Std Dev 0

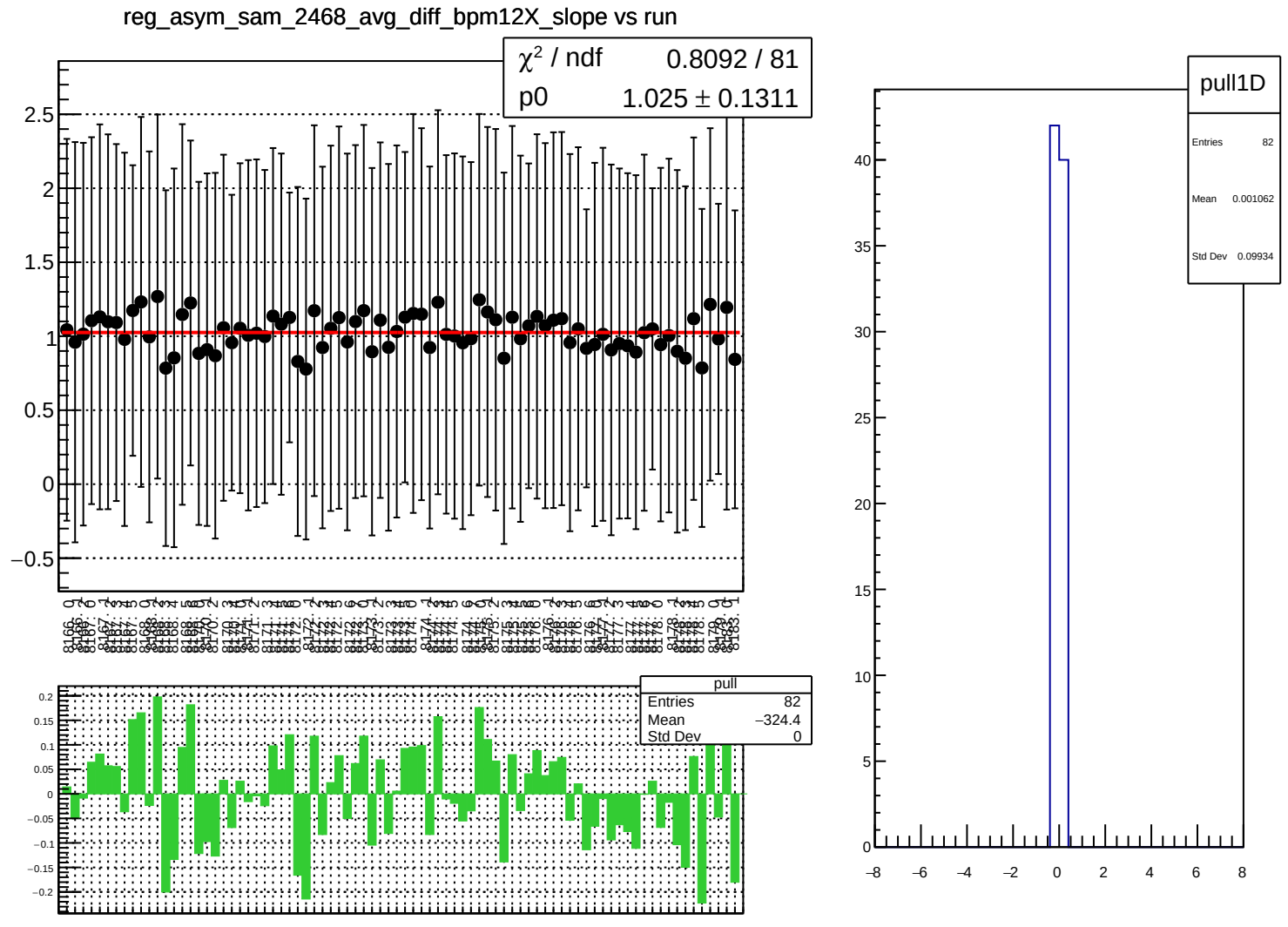

pull1D
Entries 82
Mean −0.003438
Std Dev 0.1405

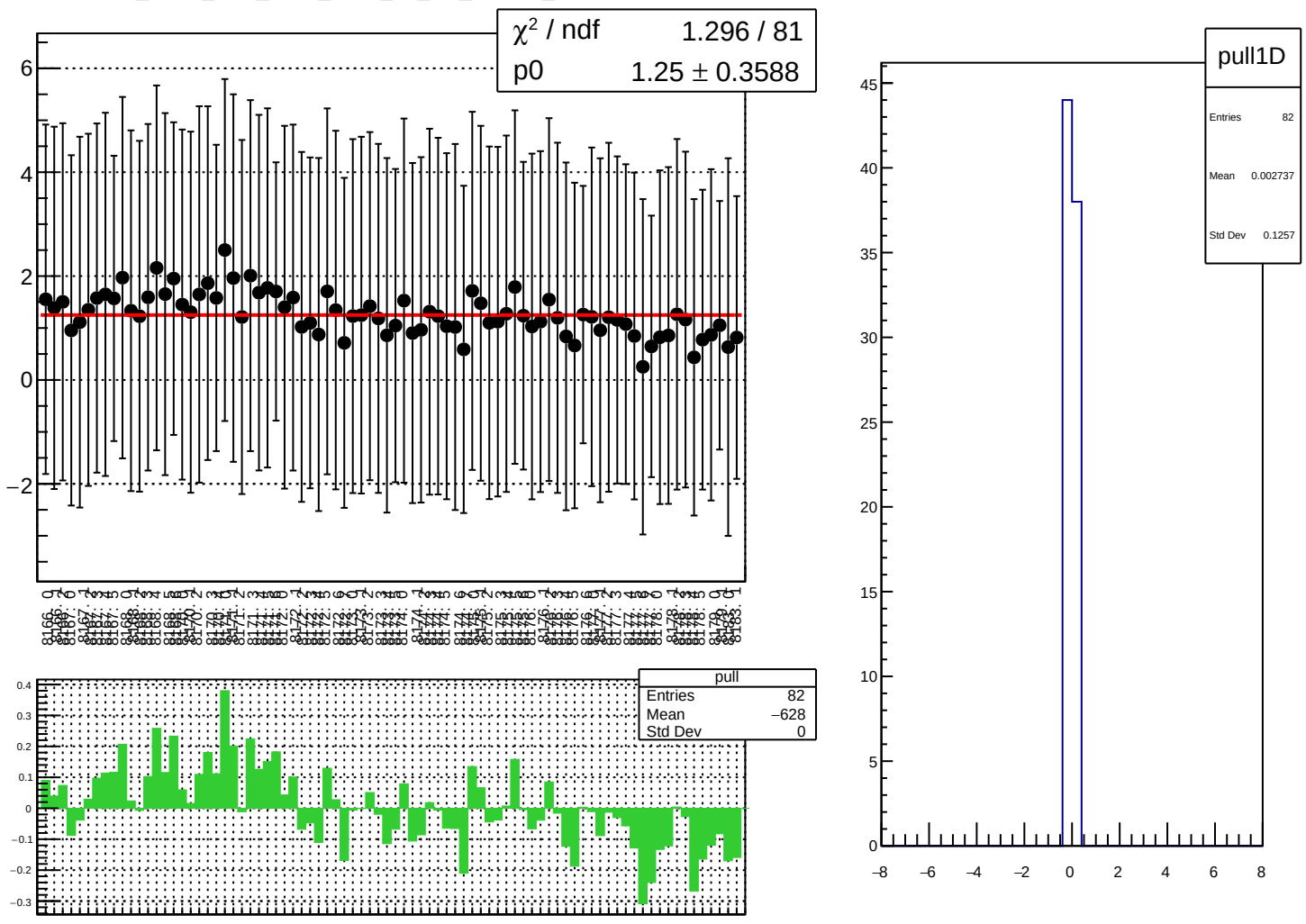

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.316 / 81
p0 −1.847 ± 2.629
pull
Entries 82
Mean 726.3
Std Dev 0
pull1D
Entries 82
Mean 0.001023
Std Dev 0.1267

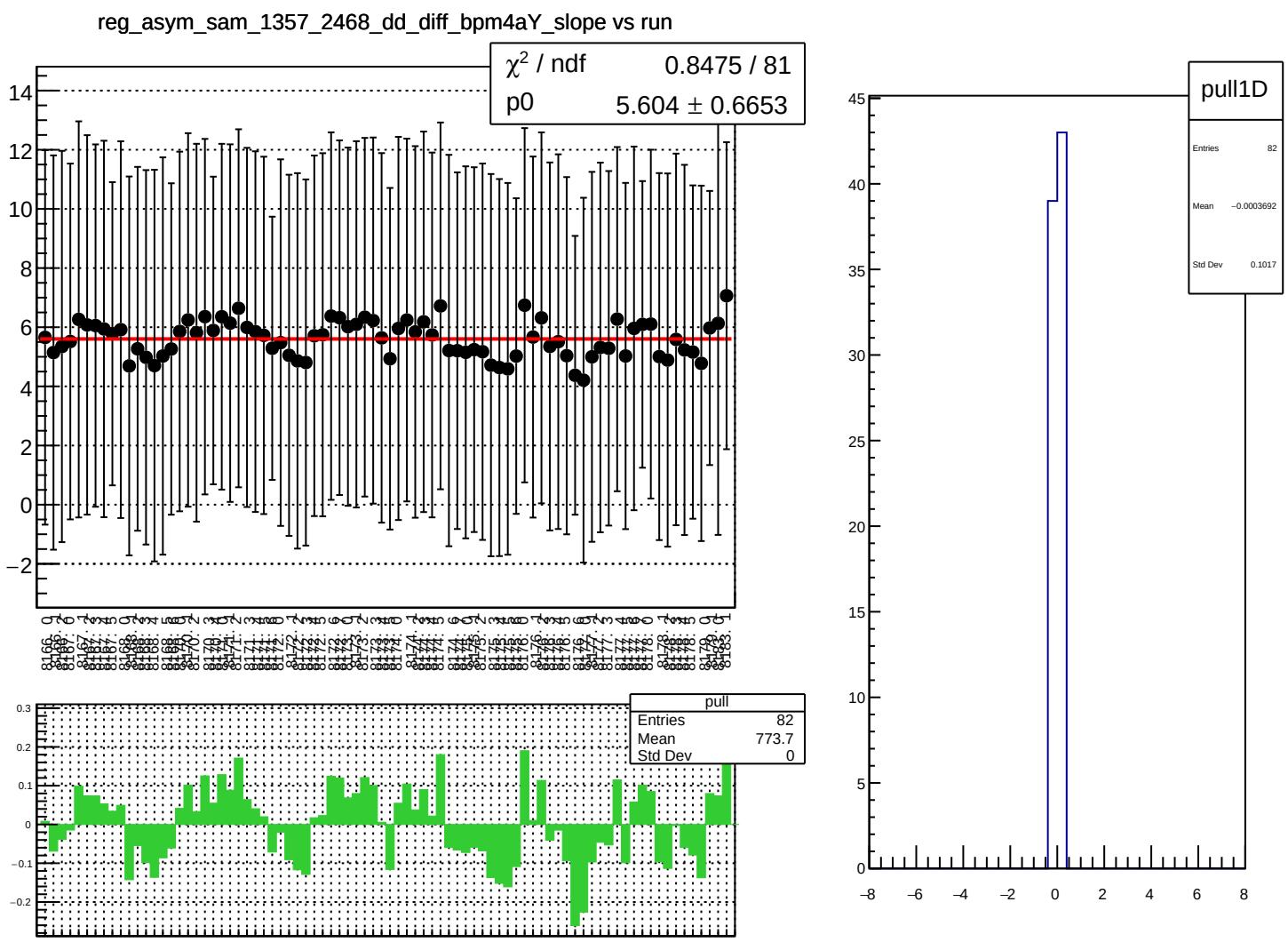

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.906 / 81
p0 −88.41 ± 1.421
pull
Entries 82
Mean −621.5
Std Dev 0

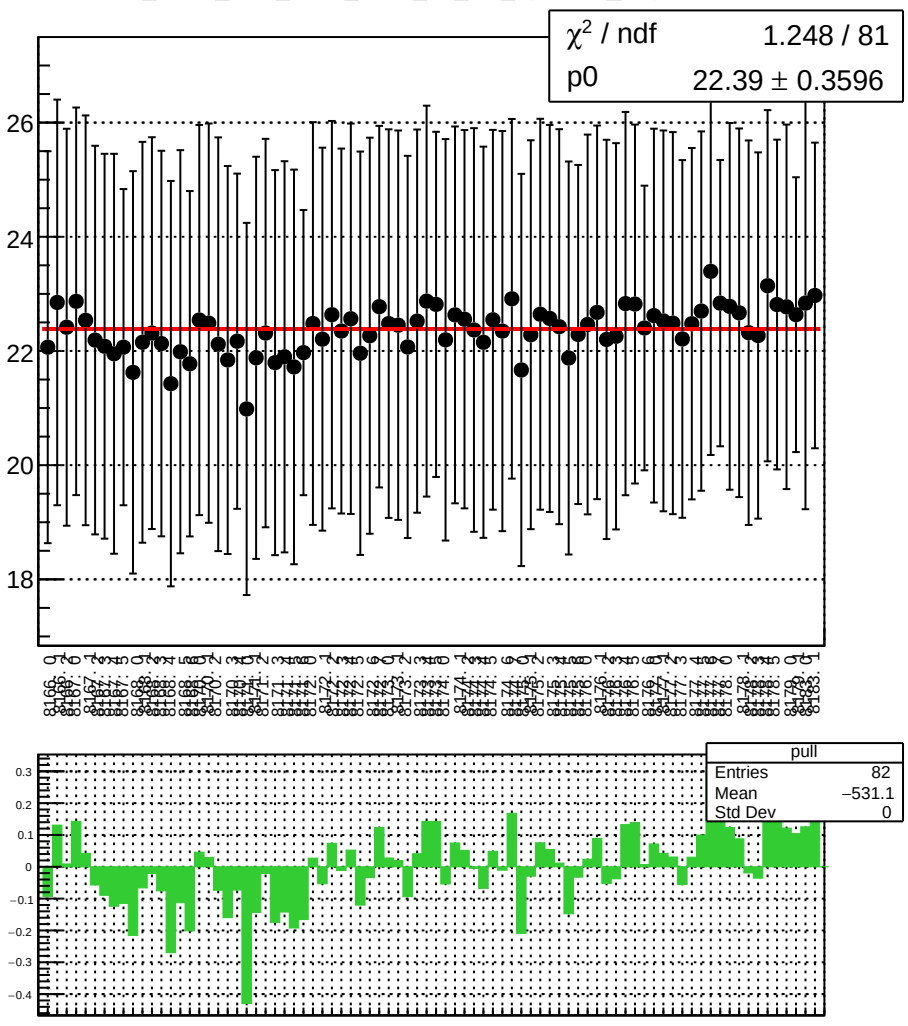

pull1D
Entries 82
Mean 0.003067
Std Dev 0.1524

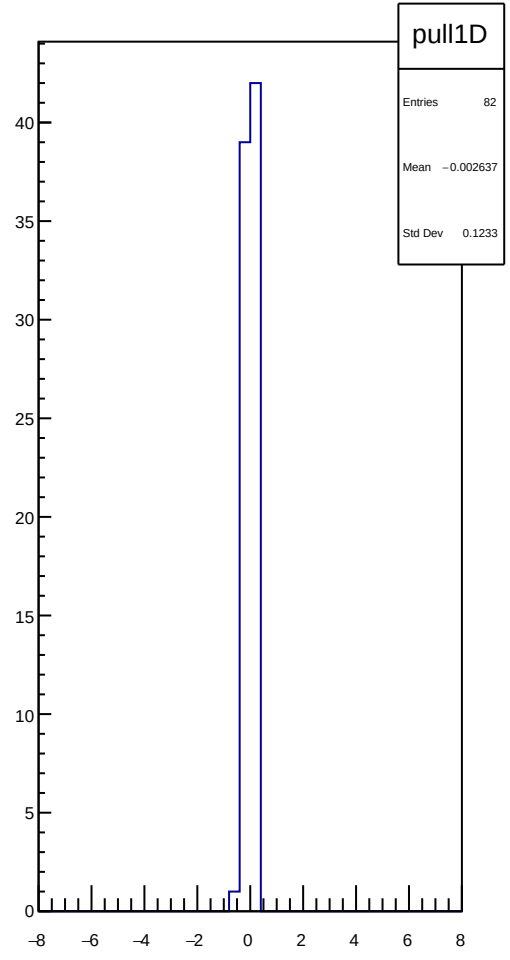

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.122 / 81
p0 42.6 ± 2.812
pull
Entries 82
Mean 83.86
Std Dev 0
pull1D
Entries 82
Mean −0.001257
Std Dev 0.117

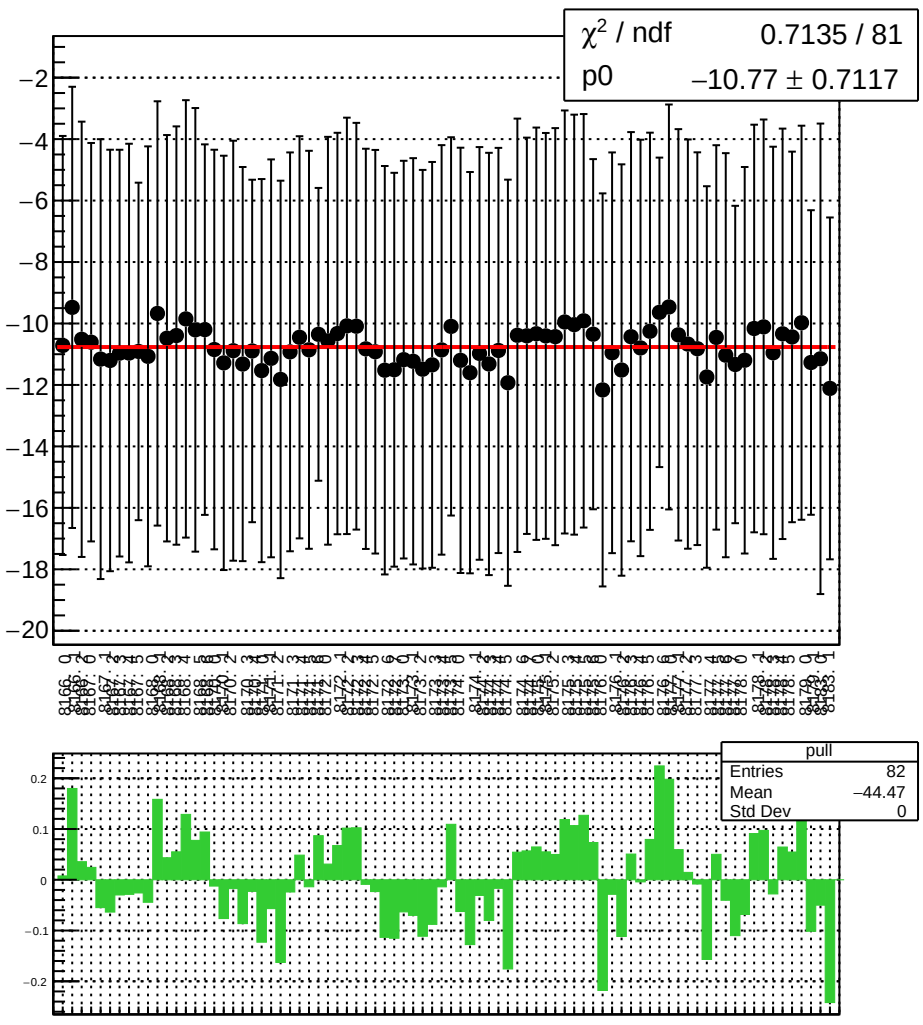

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 0.8092 / 81
p0 1.025 ± 0.1311
pull
Entries 82
Mean −324.4
Std Dev 0
pull1D
Entries 82
Mean 0.001062
Std Dev 0.09934

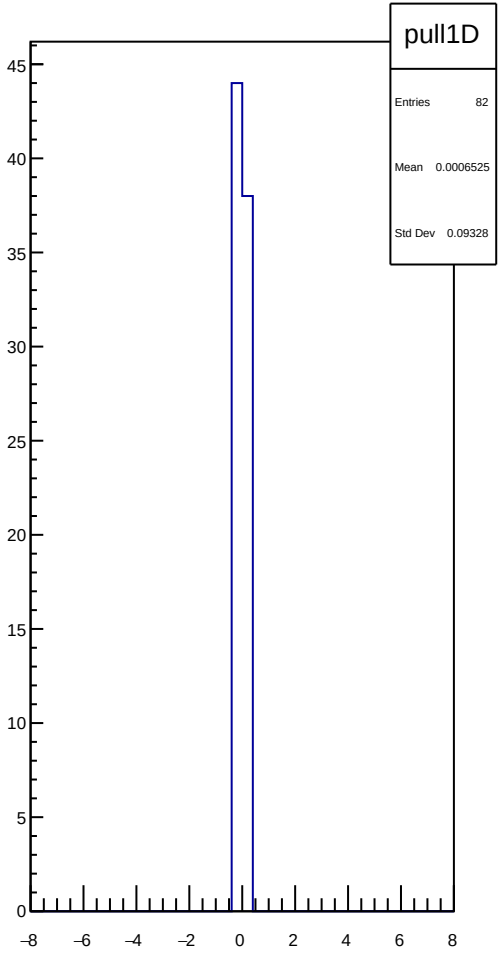

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.296 / 81
p0 1.25 ± 0.3588
pull
Entries 82
Mean −628
Std Dev 0
pull1D
Entries 82
Mean 0.002737
Std Dev 0.1257

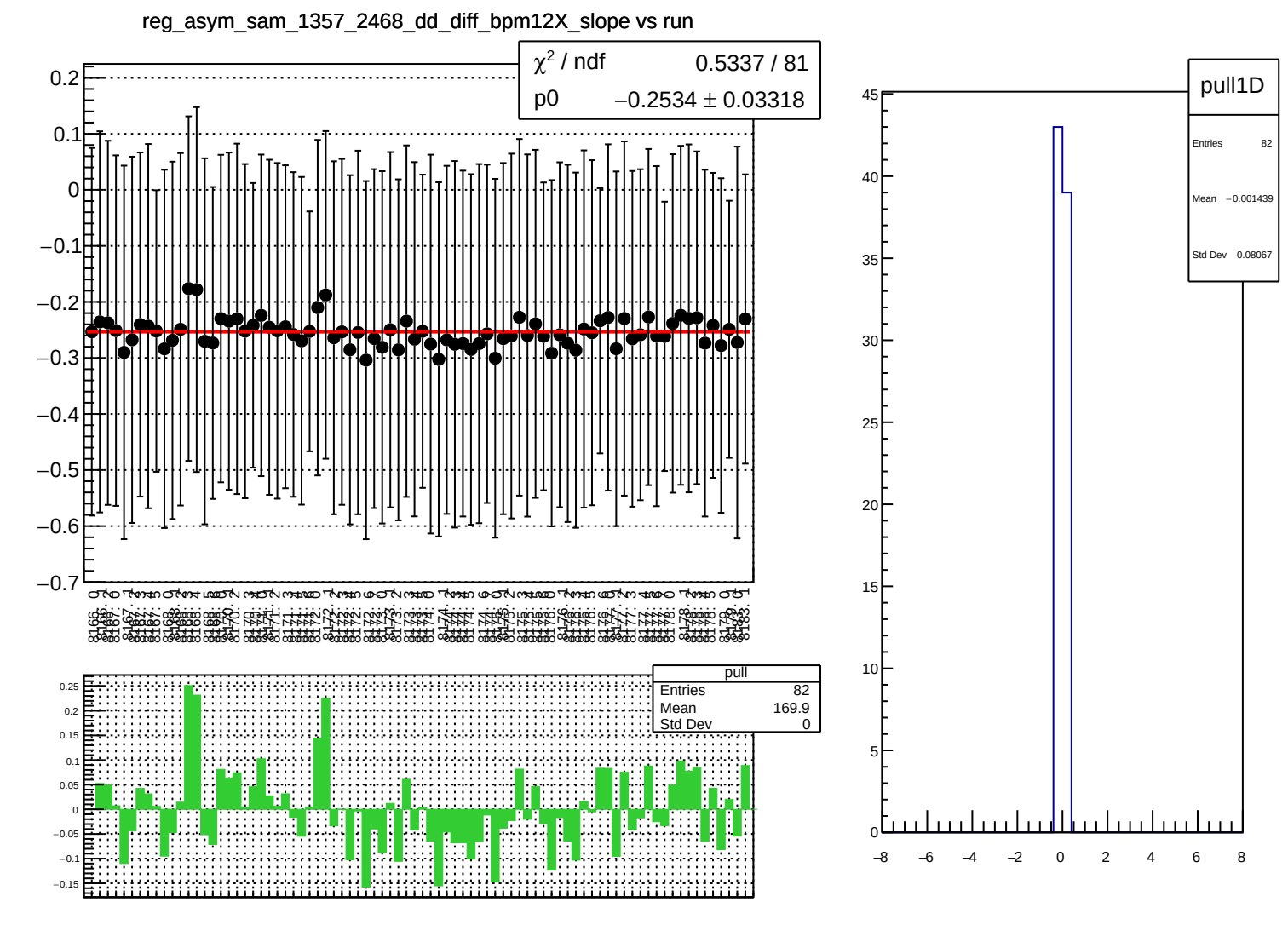

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8475 / 81
p0 5.604 ± 0.6653
pull
Entries 82
Mean 773.7
Std Dev 0
pull1D
Entries 82
Mean −0.0003692
Std Dev 0.1017

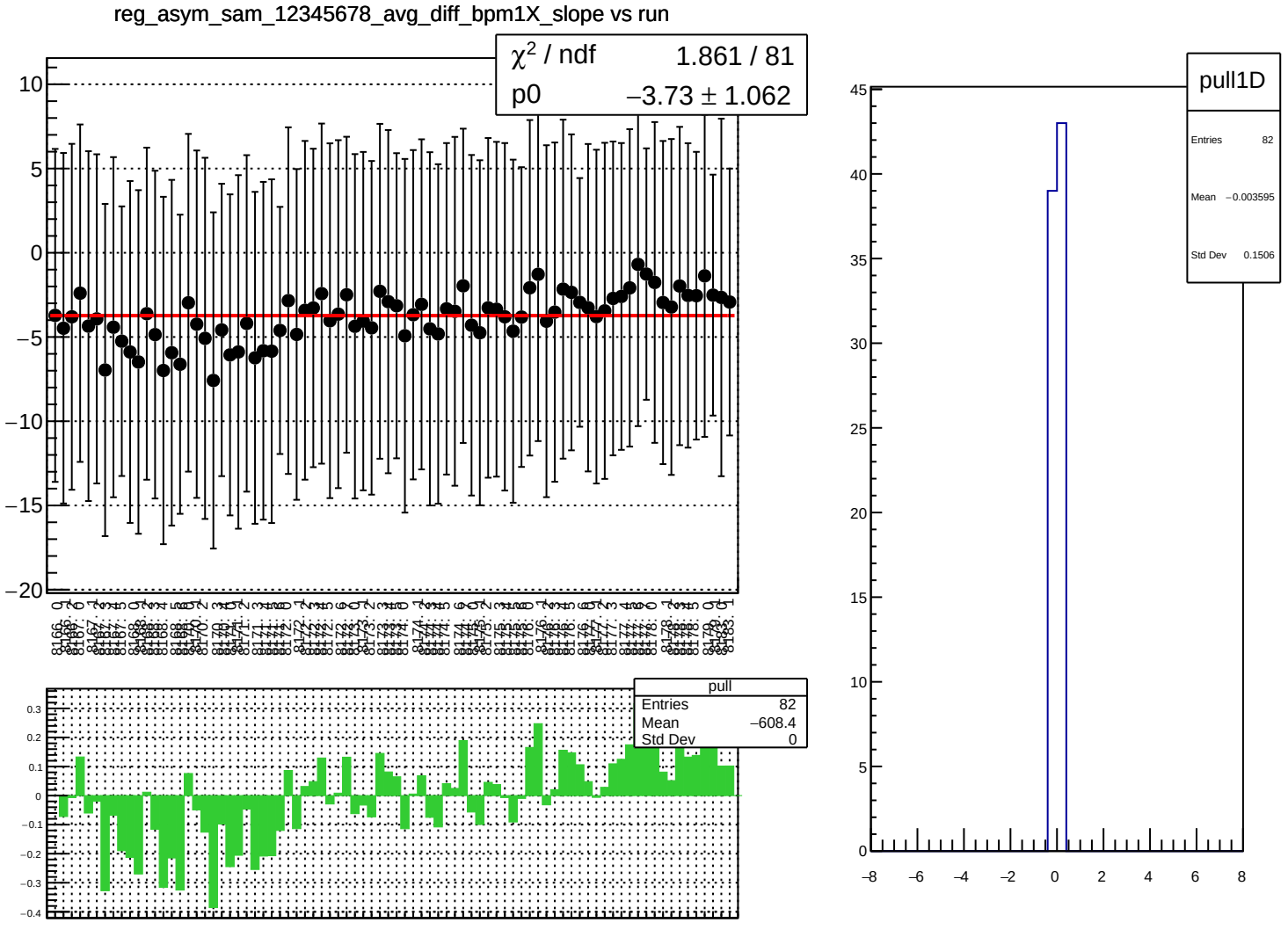

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.248 / 81
p0 22.39 ± 0.3596
pull
Entries 82
Mean −531.1
Std Dev 0

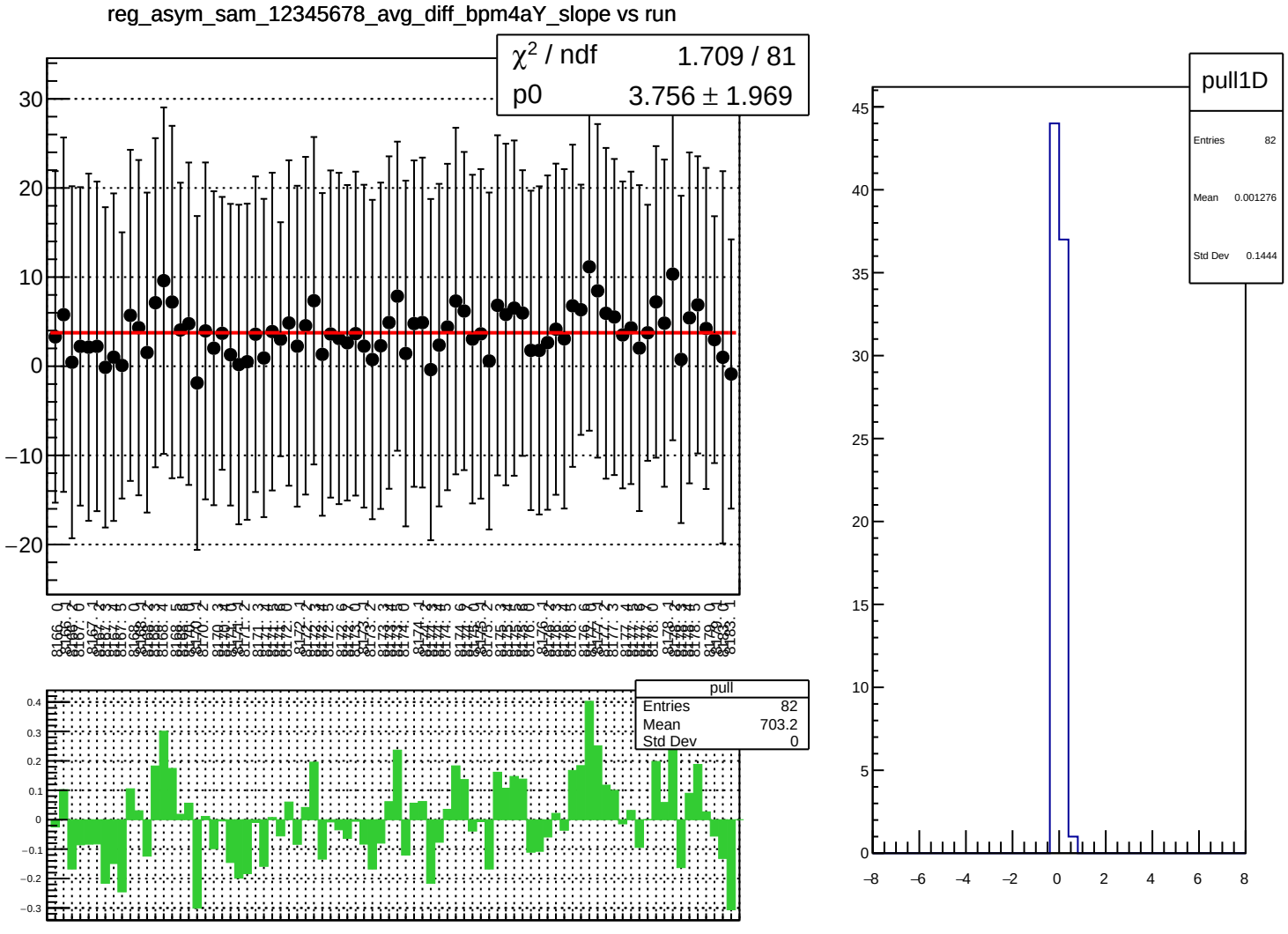

pull1D
Entries 82
Mean −0.002637
Std Dev 0.1233

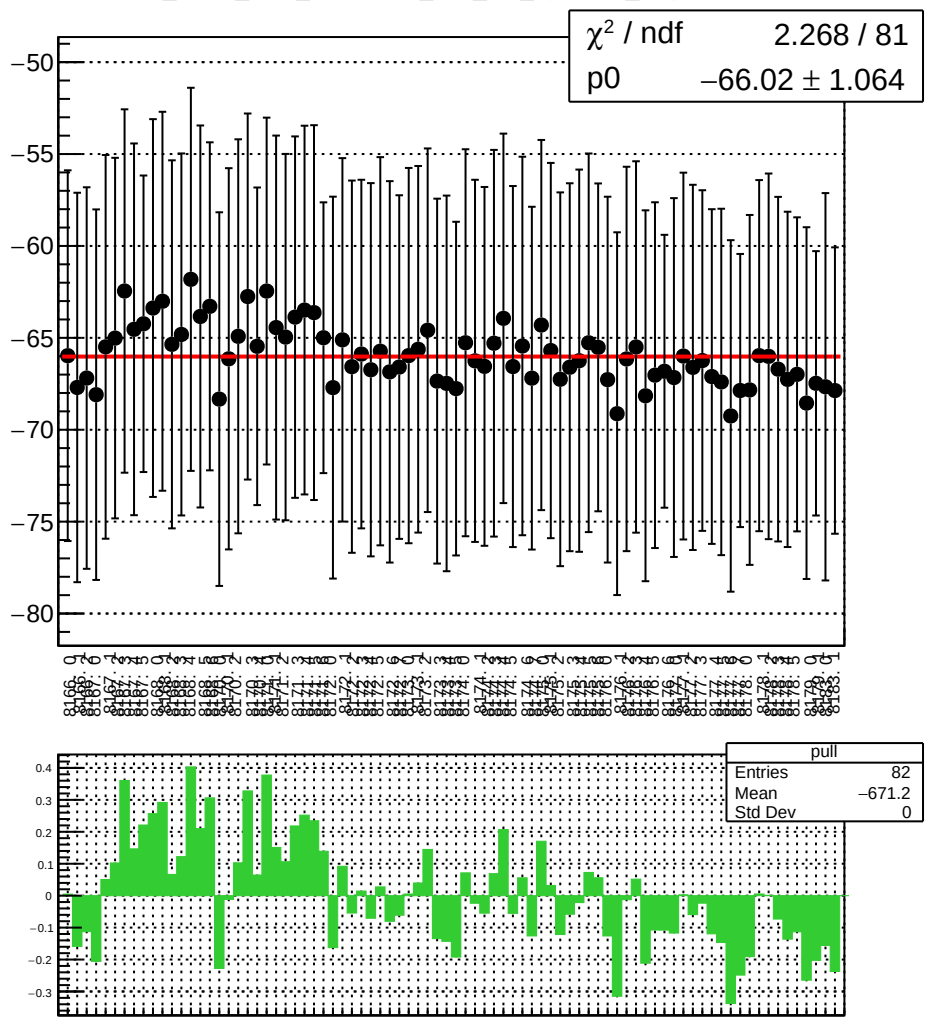

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7135 / 81
p0 −10.77 ± 0.7117
pull
Entries 82
Mean −44.47
Std Dev 0

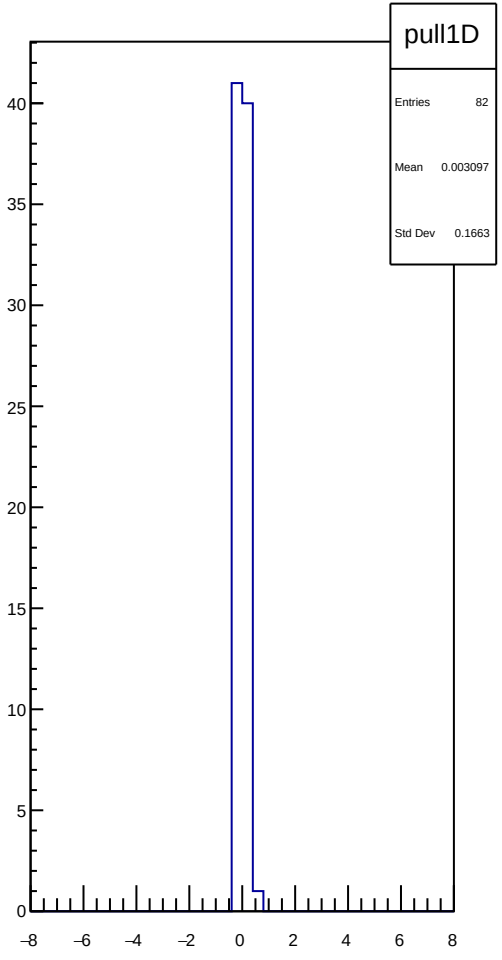

pull1D
Entries 82
Mean 0.0006525
Std Dev 0.09328

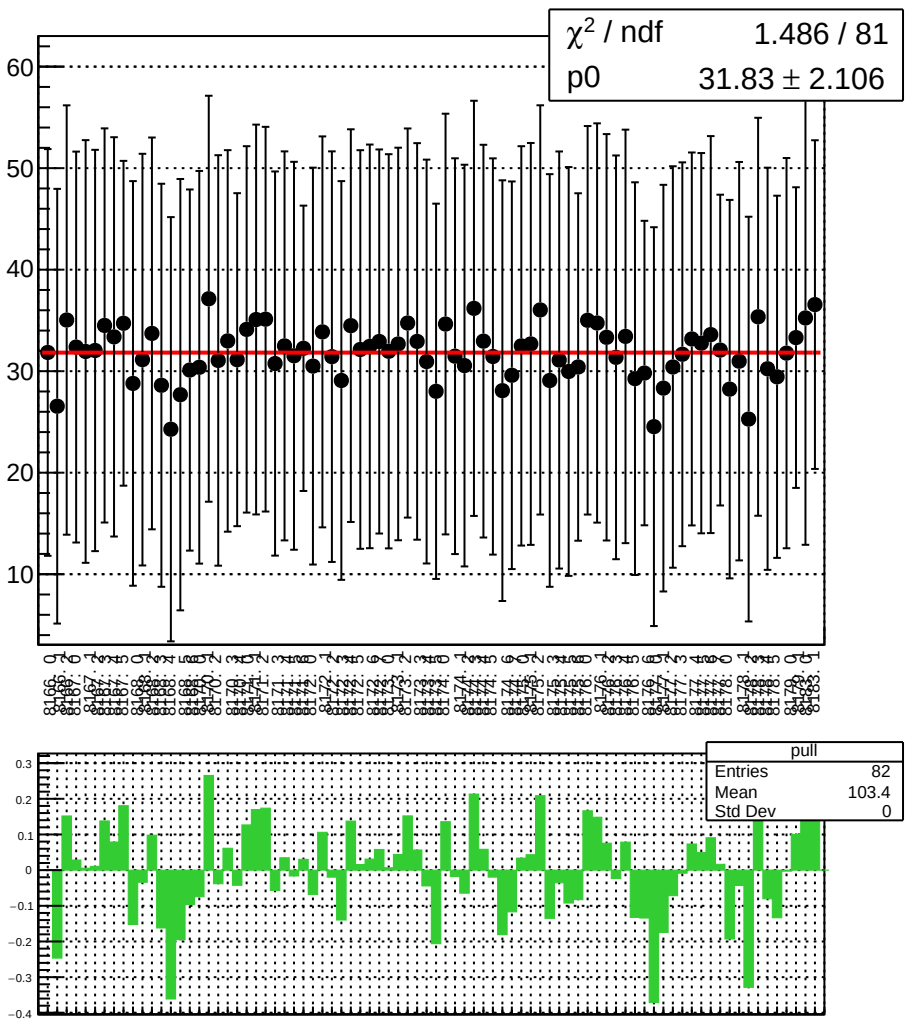

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5337 / 81
p0 −0.2534 ± 0.03318
pull
Entries 82
Mean 169.9
Std Dev 0
pull1D
Entries 82
Mean −0.001439
Std Dev 0.08067

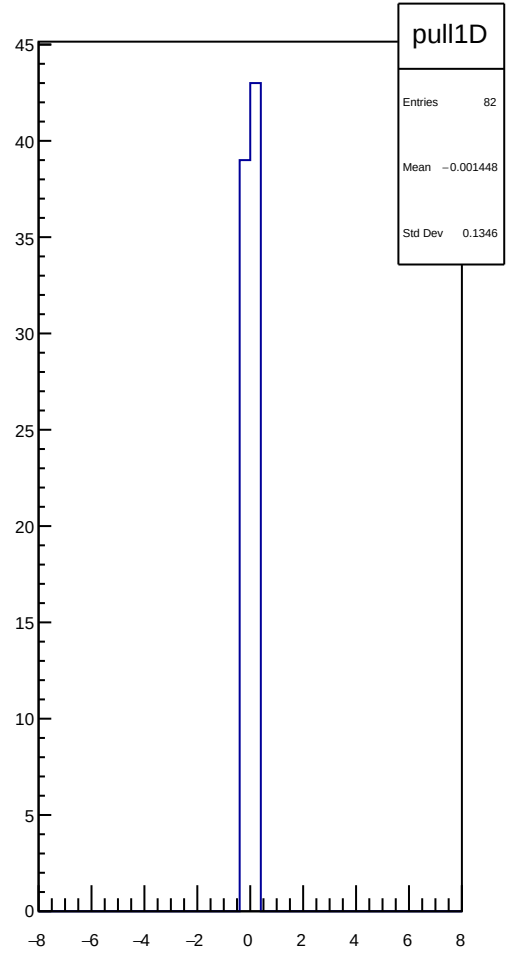

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1.861 / 81
p0 −3.73 ± 1.062
pull
Entries 82
Mean −608.4
Std Dev 0
pull1D
Entries 82
Mean −0.003595
Std Dev 0.1506

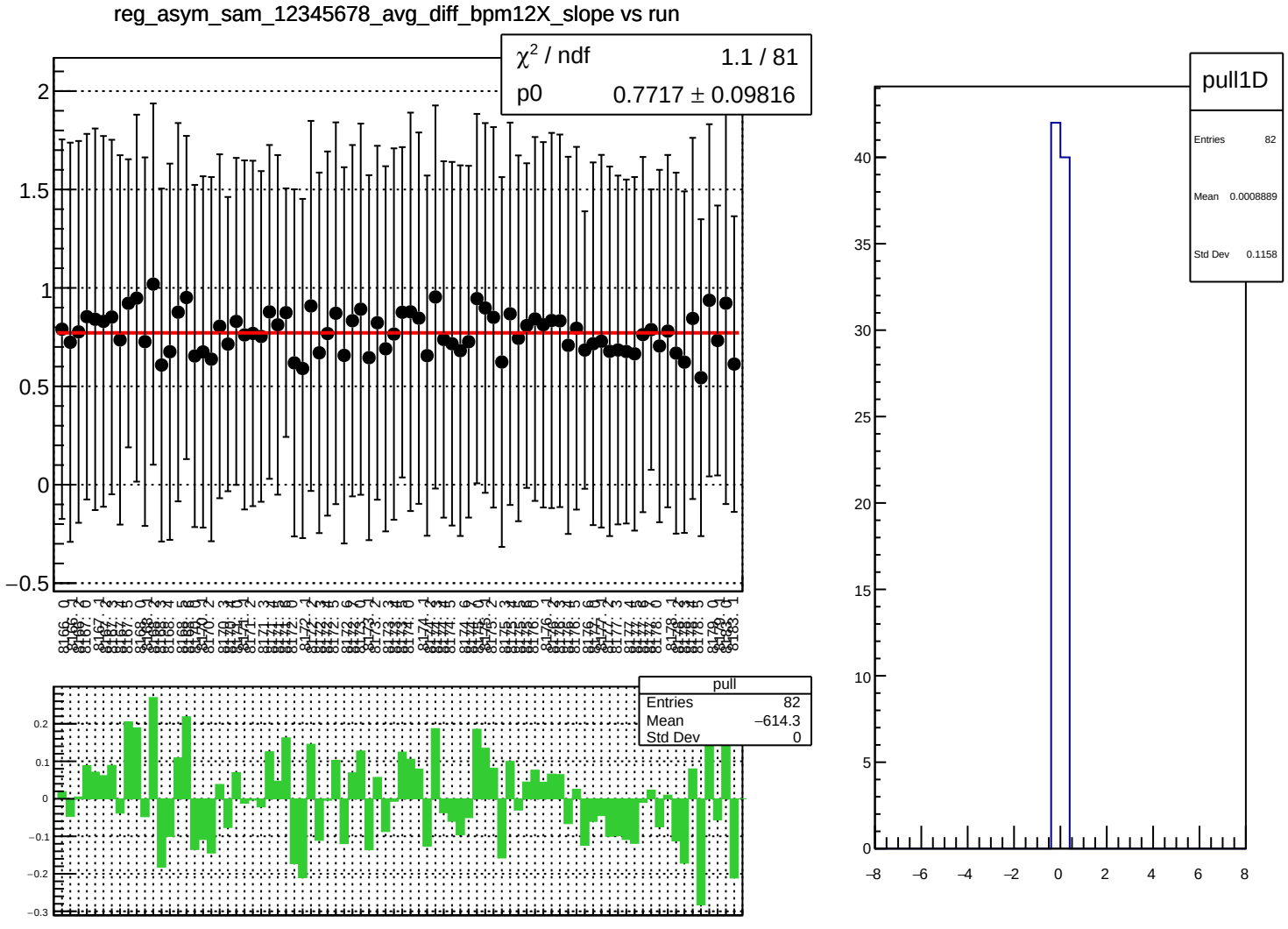

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.709 / 81
p0 3.756 ± 1.969
pull
Entries 82
Mean 703.2
Std Dev 0
pull1D
Entries 82
Mean 0.001276
Std Dev 0.1444

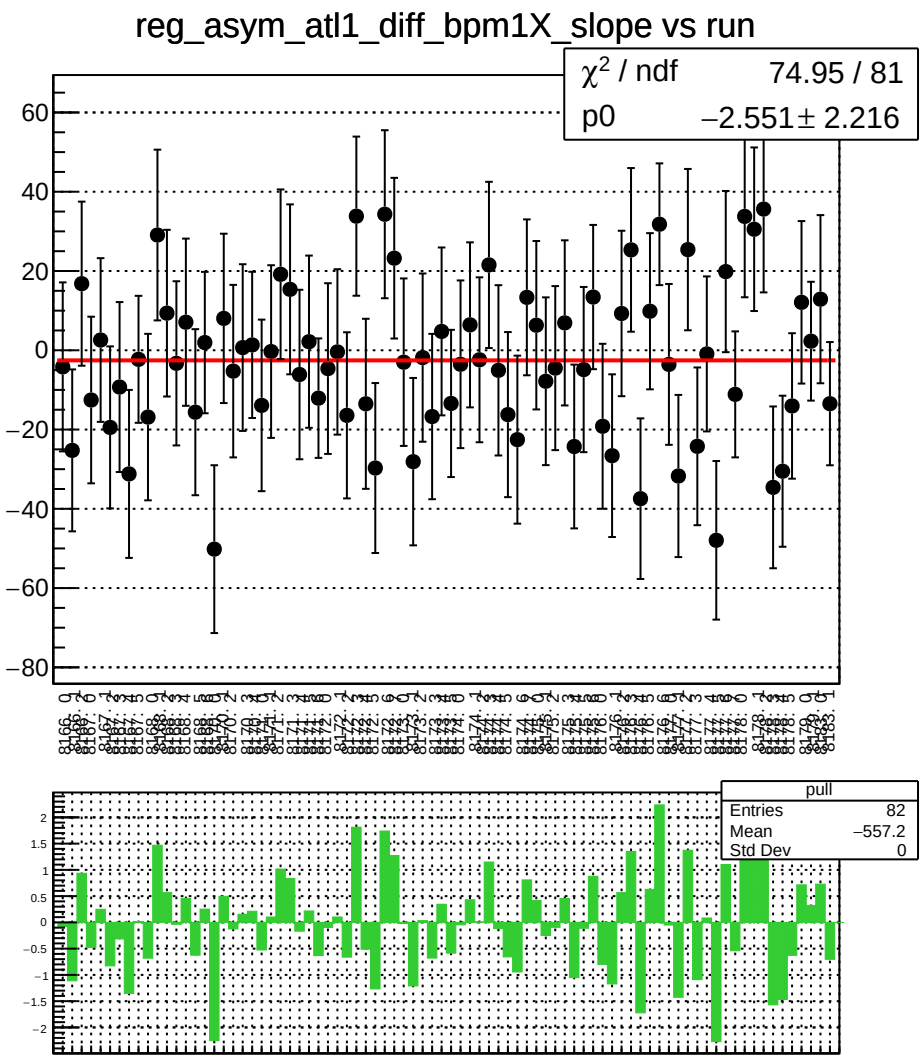

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.268 / 81
p0 −66.02 ± 1.064
pull
Entries 82
Mean −671.2
Std Dev 0

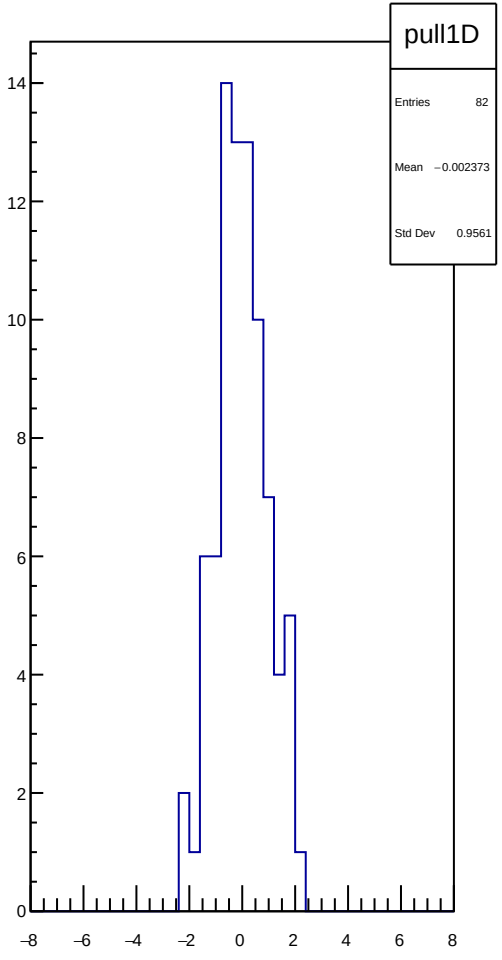

pull1D
Entries 82
Mean 0.003097
Std Dev 0.1663

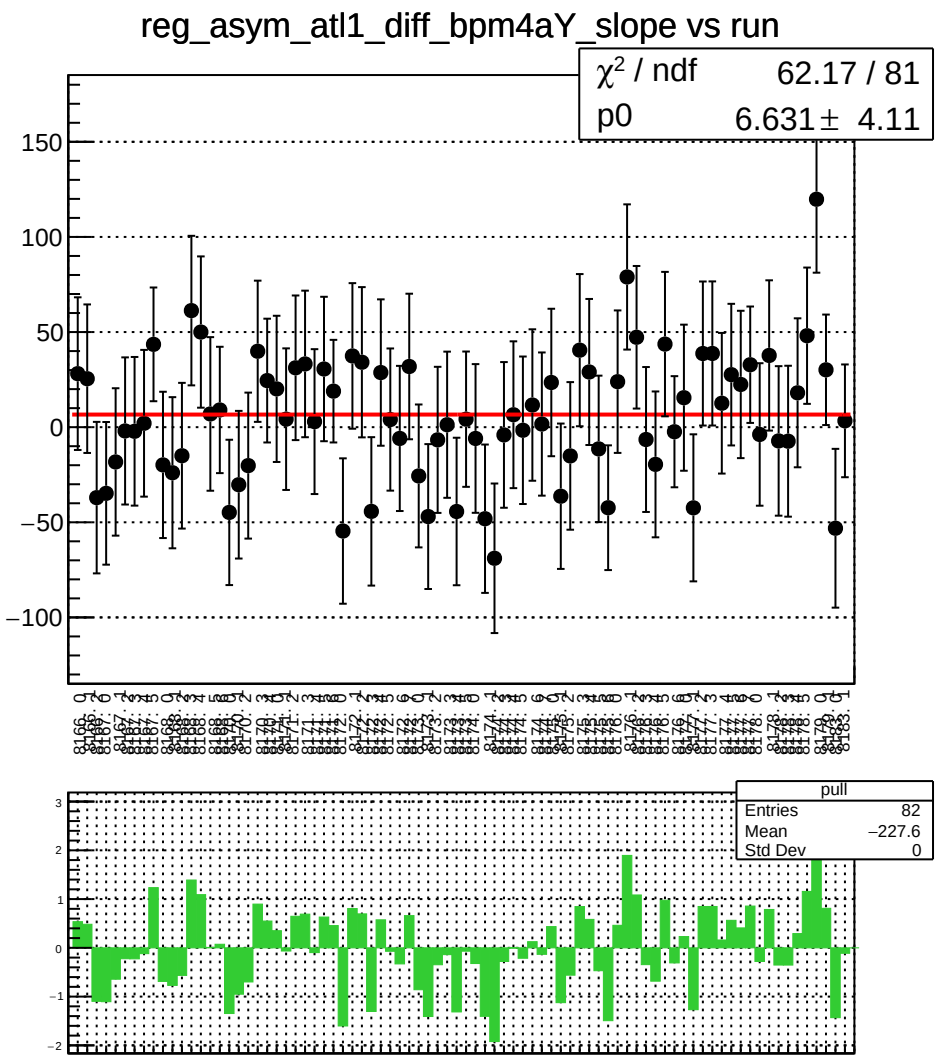

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.486 / 81
p0 31.83 ± 2.106
pull
Entries 82
Mean 103.4
Std Dev 0

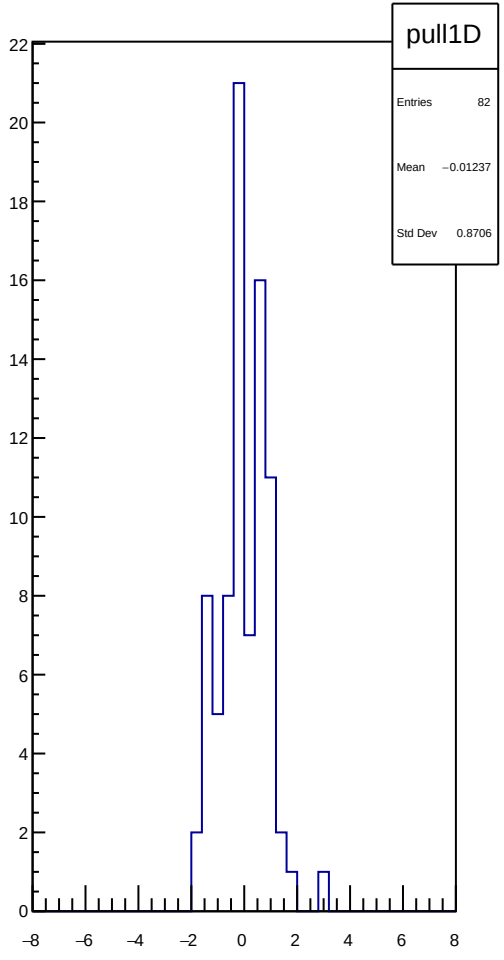

pull1D
Entries 82
Mean −0.001448
Std Dev 0.1346

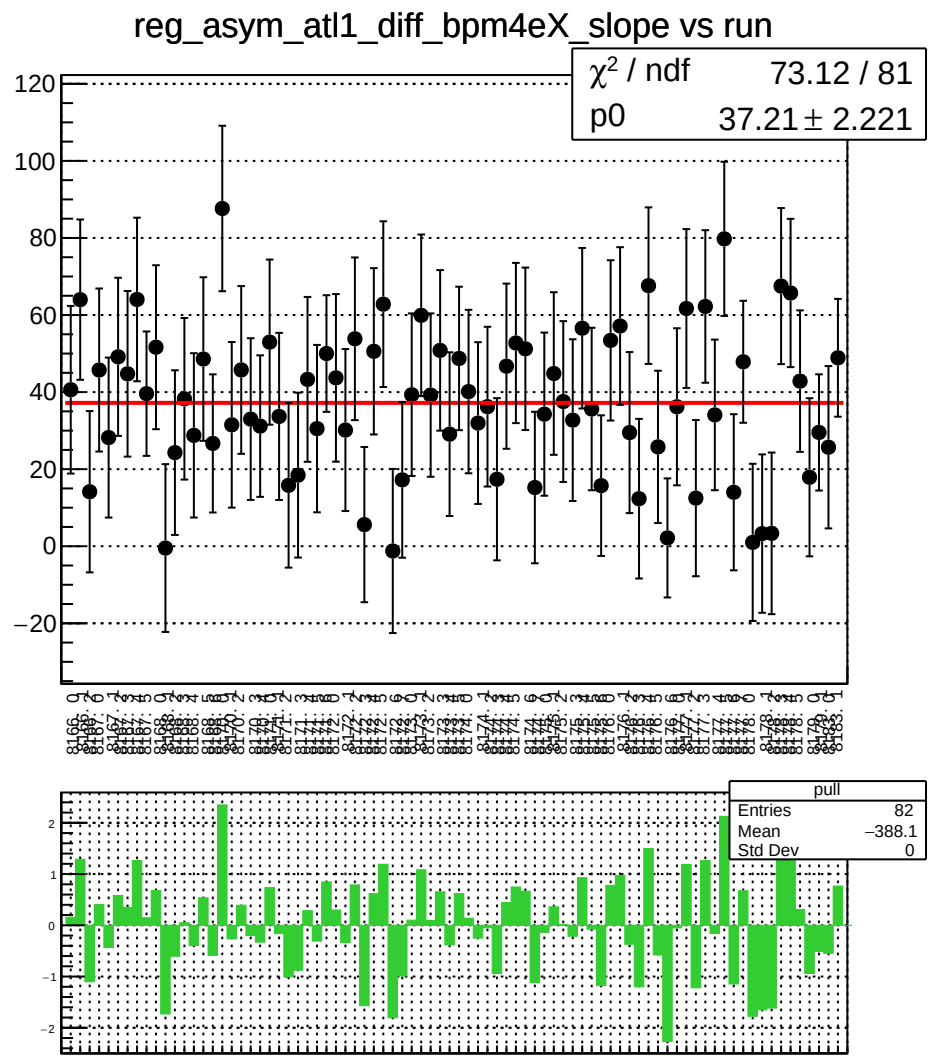

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.1 / 81
p0 0.7717 ± 0.09816
pull
Entries 82
Mean −614.3
Std Dev 0
pull1D
Entries 82
Mean 0.0008889
Std Dev 0.1158

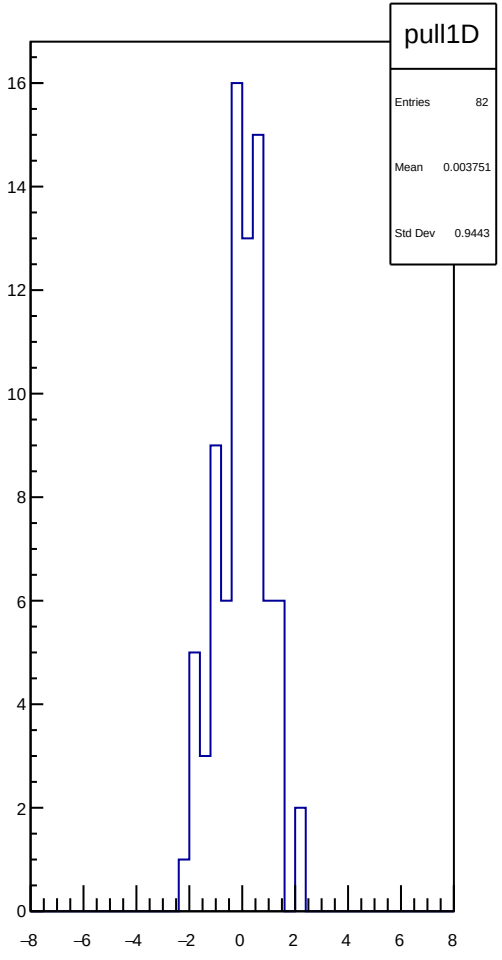

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 74.95 / 81
p0 −2.551± 2.216
pull
Entries 82
Mean −557.2
Std Dev 0

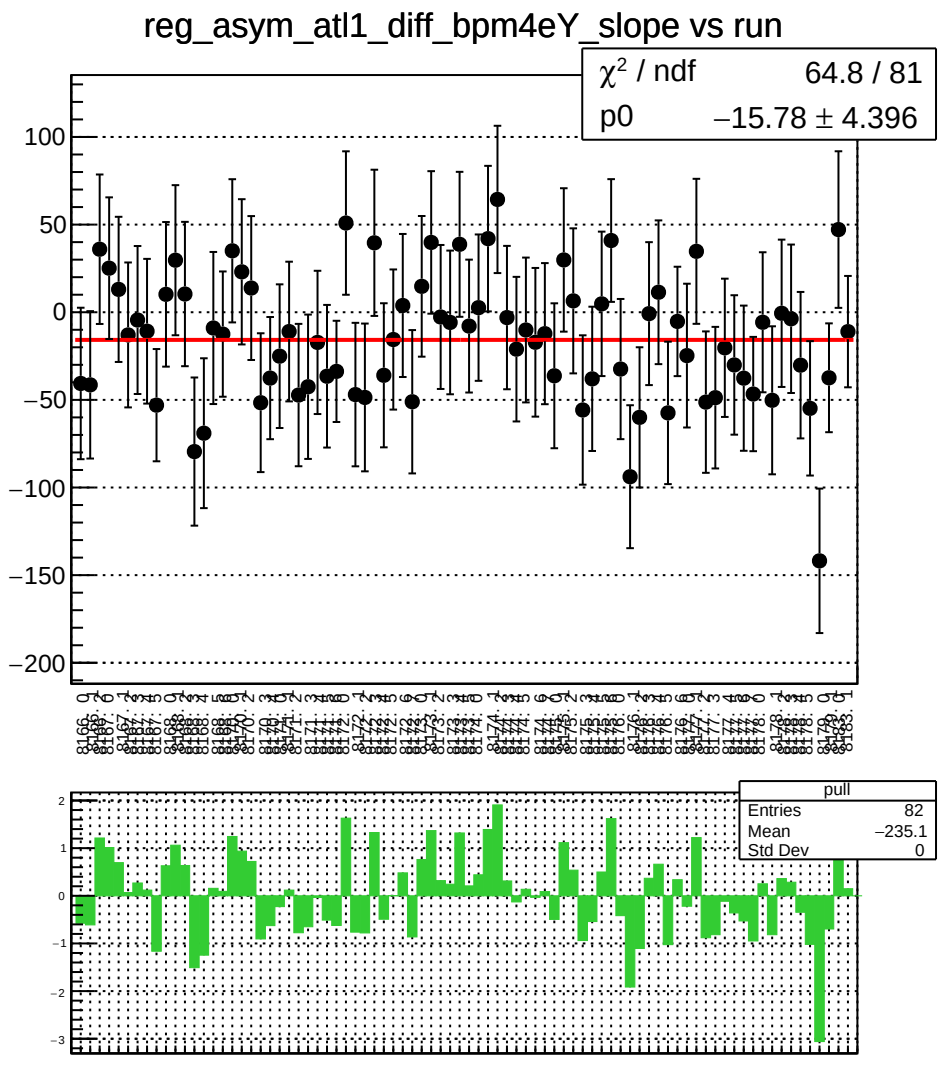

pull1D
Entries 82
Mean −0.002373
Std Dev 0.9561

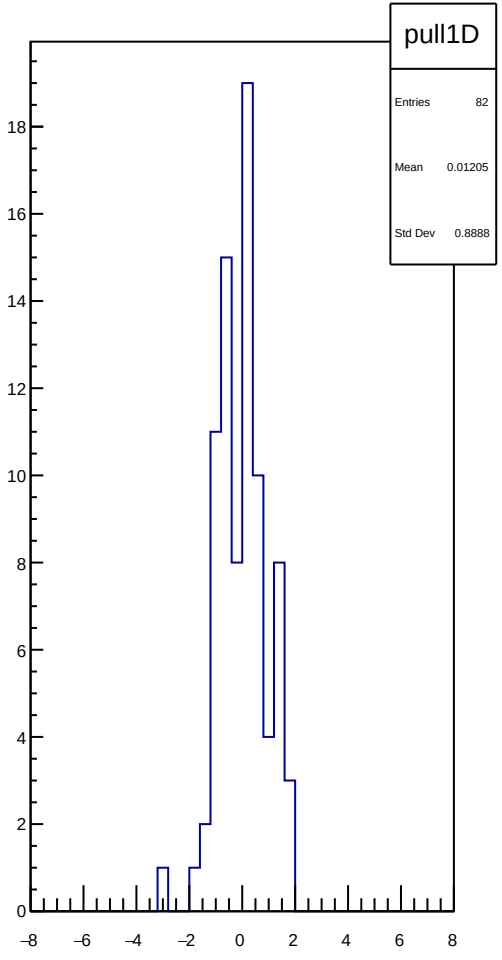

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 62.17 / 81
p0 6.631 ± 4.11
150
100
50
0
−50
−100
pull
Entries 82
Mean −227.6
Std Dev 0
3
2
1
0
−1
−2

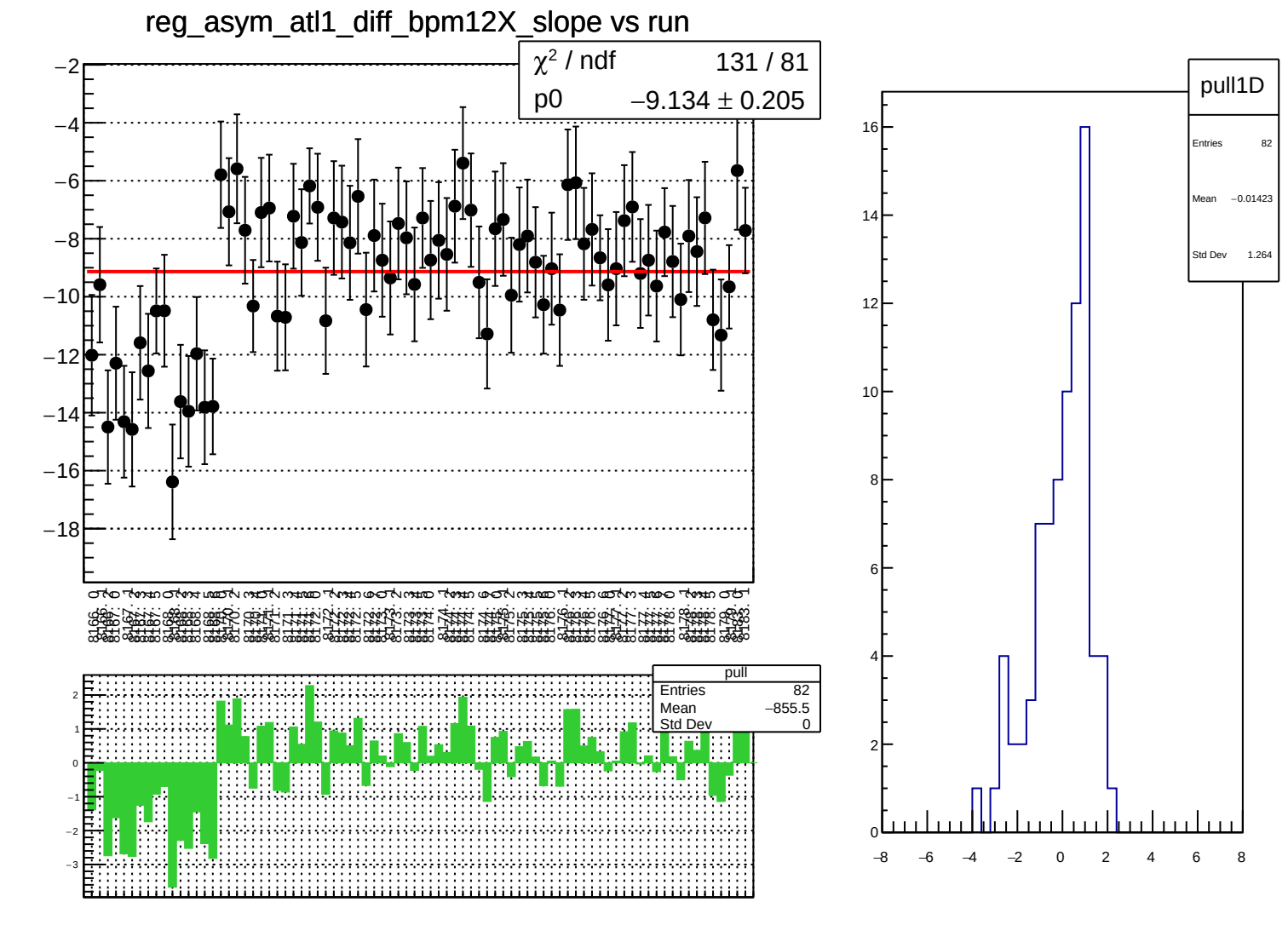

pull1D
Entries 82
Mean −0.01237
Std Dev 0.8706
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

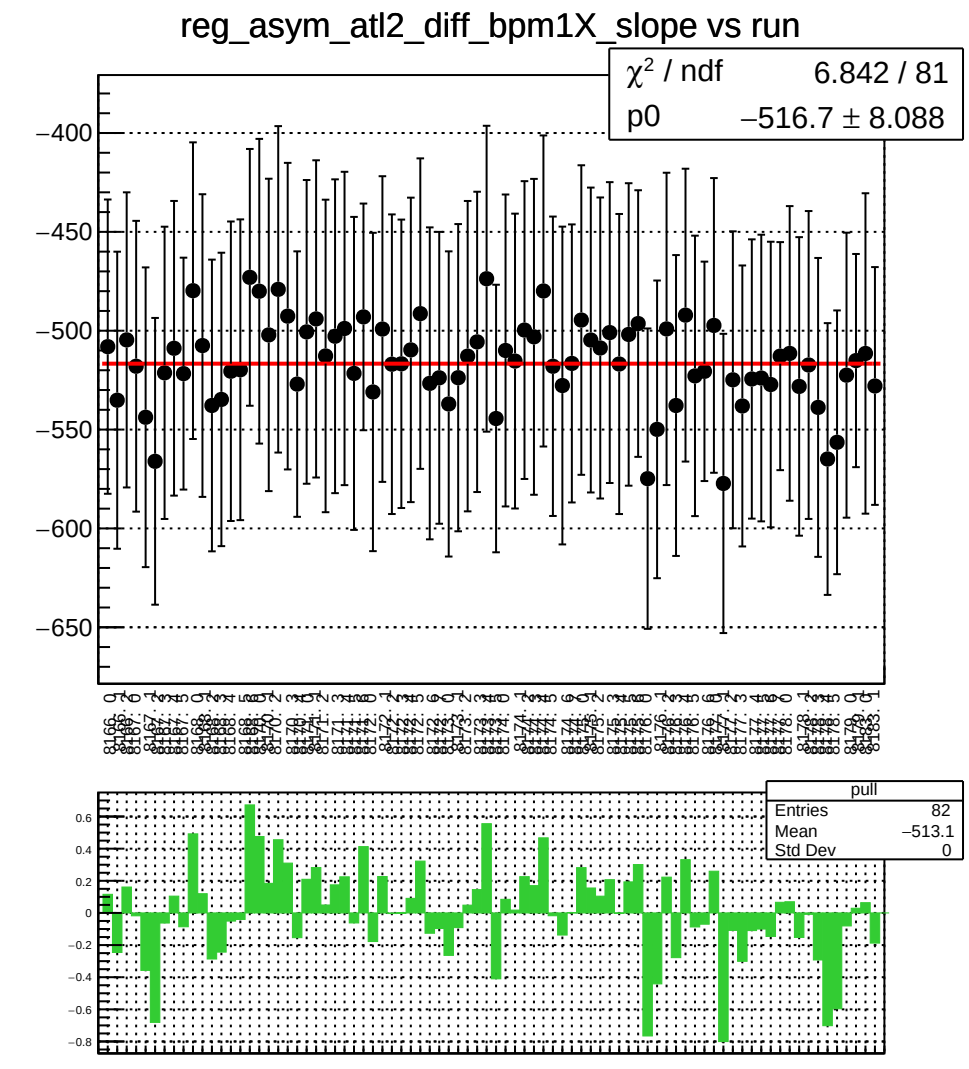

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 73.12 / 81
p0 37.21 ± 2.221
pull
Entries 82
Mean −388.1
Std Dev 0

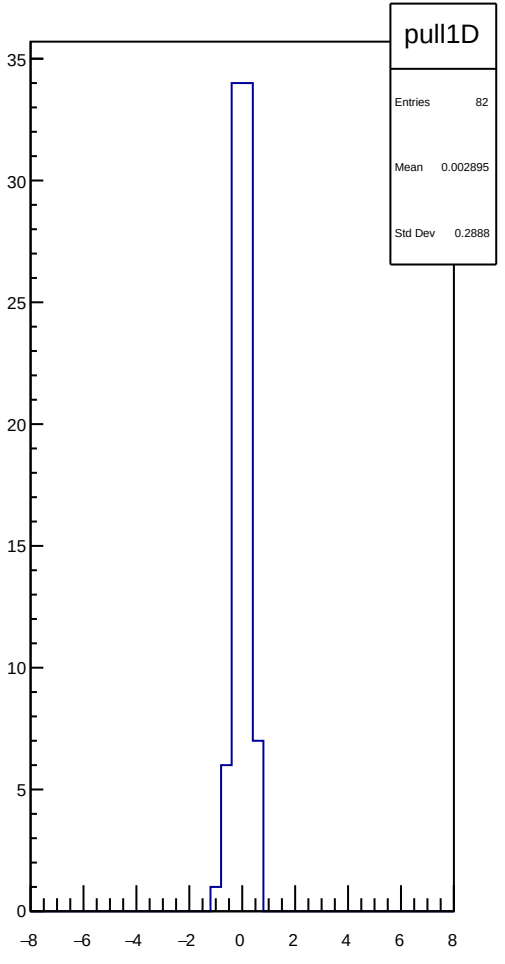

pull1D
Entries 82
Mean 0.003751
Std Dev 0.9443

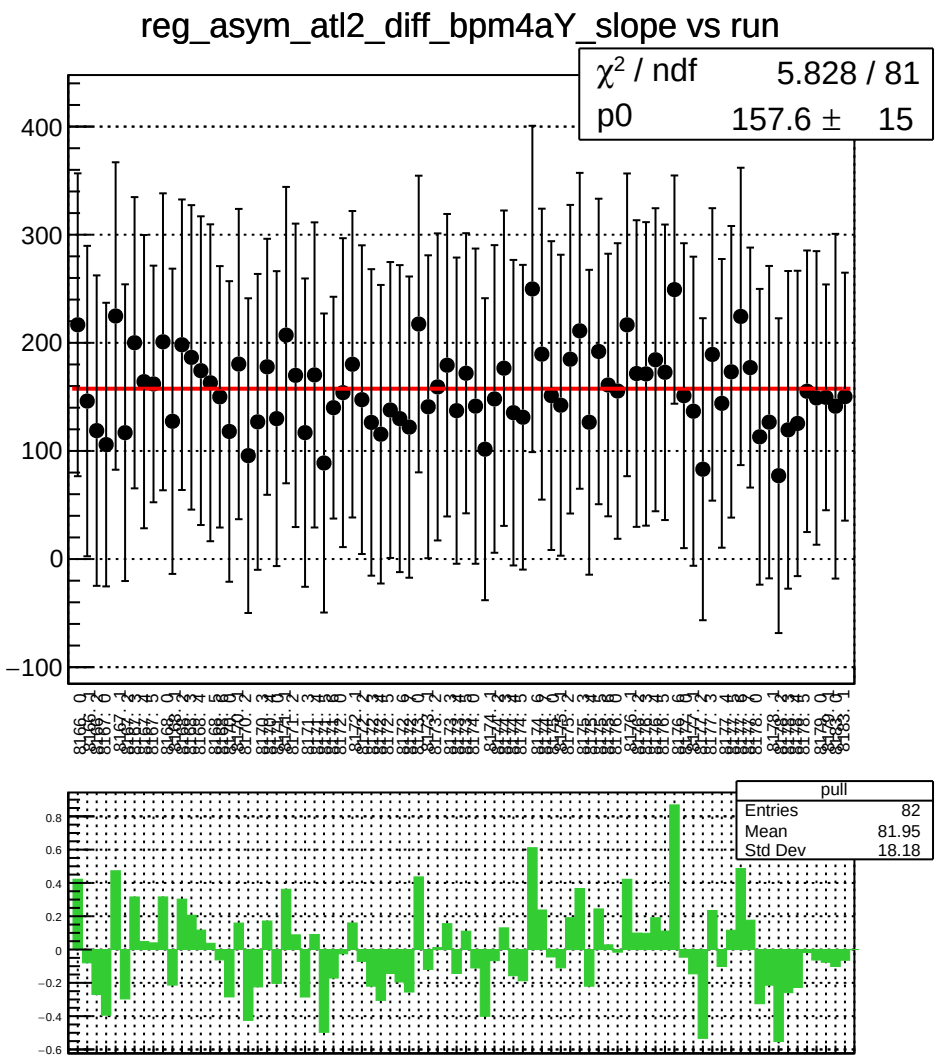

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 64.8 / 81
p0 −15.78 ± 4.396
pull
Entries 82
Mean −235.1
Std Dev 0

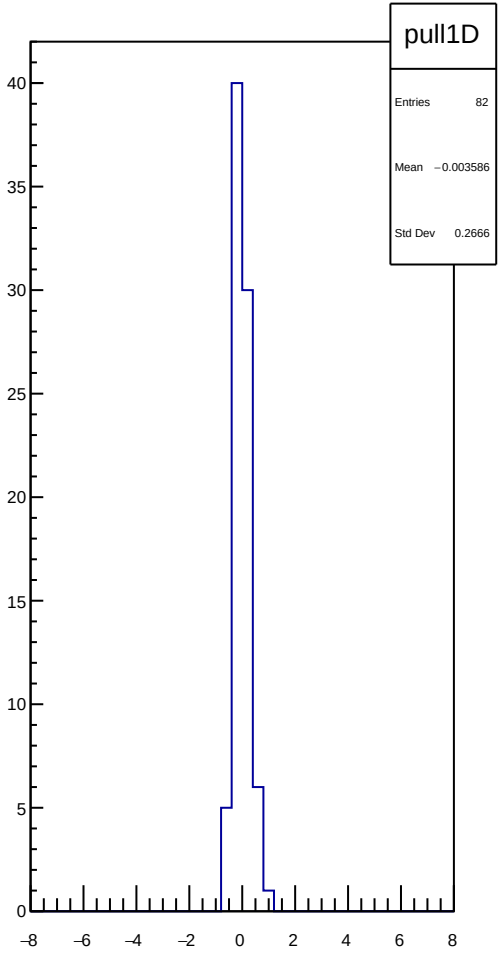

pull1D
Entries 82
Mean 0.01205
Std Dev 0.8888

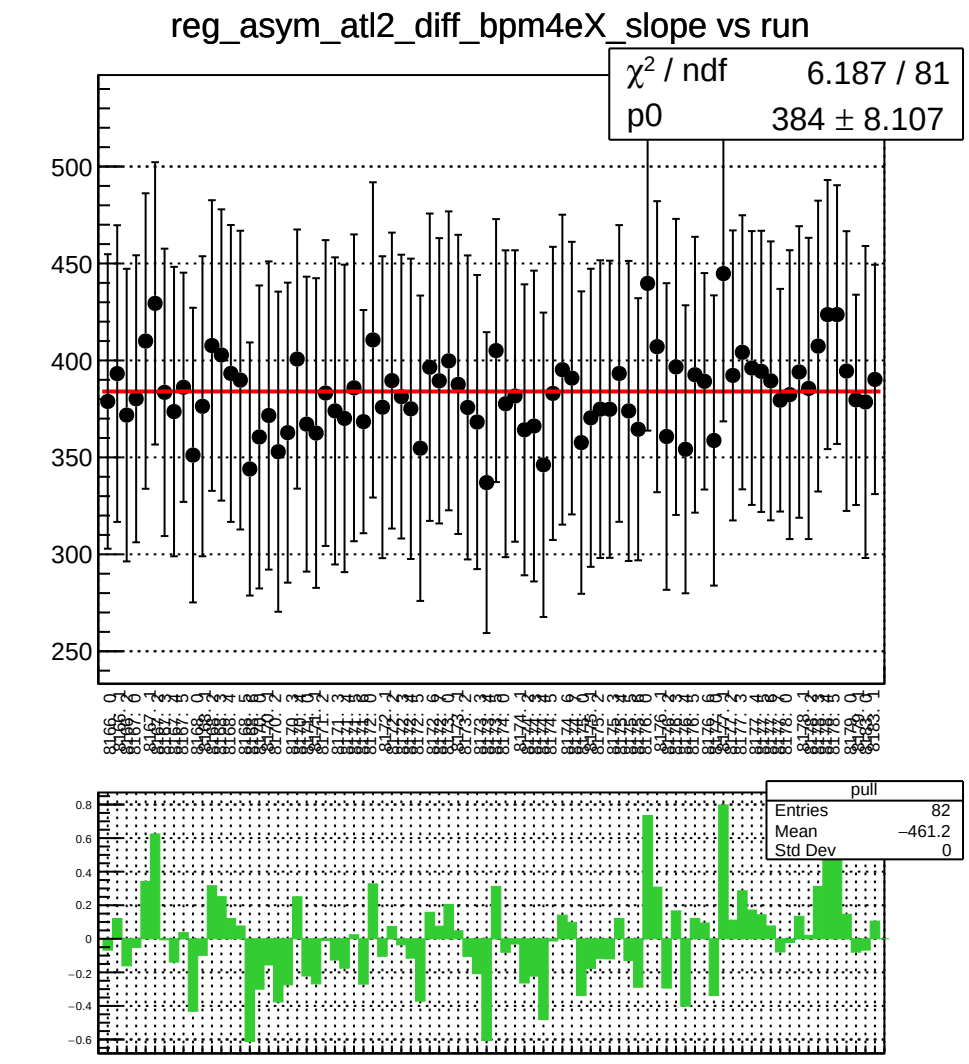

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 131 / 81
p0 −9.134 ± 0.205
pull
Entries 82
Mean −855.5
Std Dev 0
pull1D
Entries 82
Mean −0.01423
Std Dev 1.264

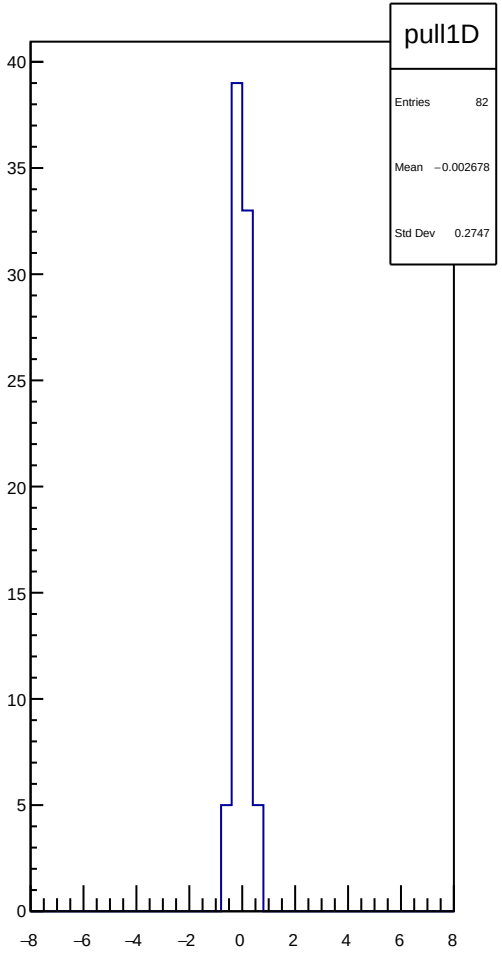

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 6.842 / 81
p0 −516.7 ± 8.088
−400
−450
−500
−550
−600
−650
pull
Entries 82
Mean −513.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

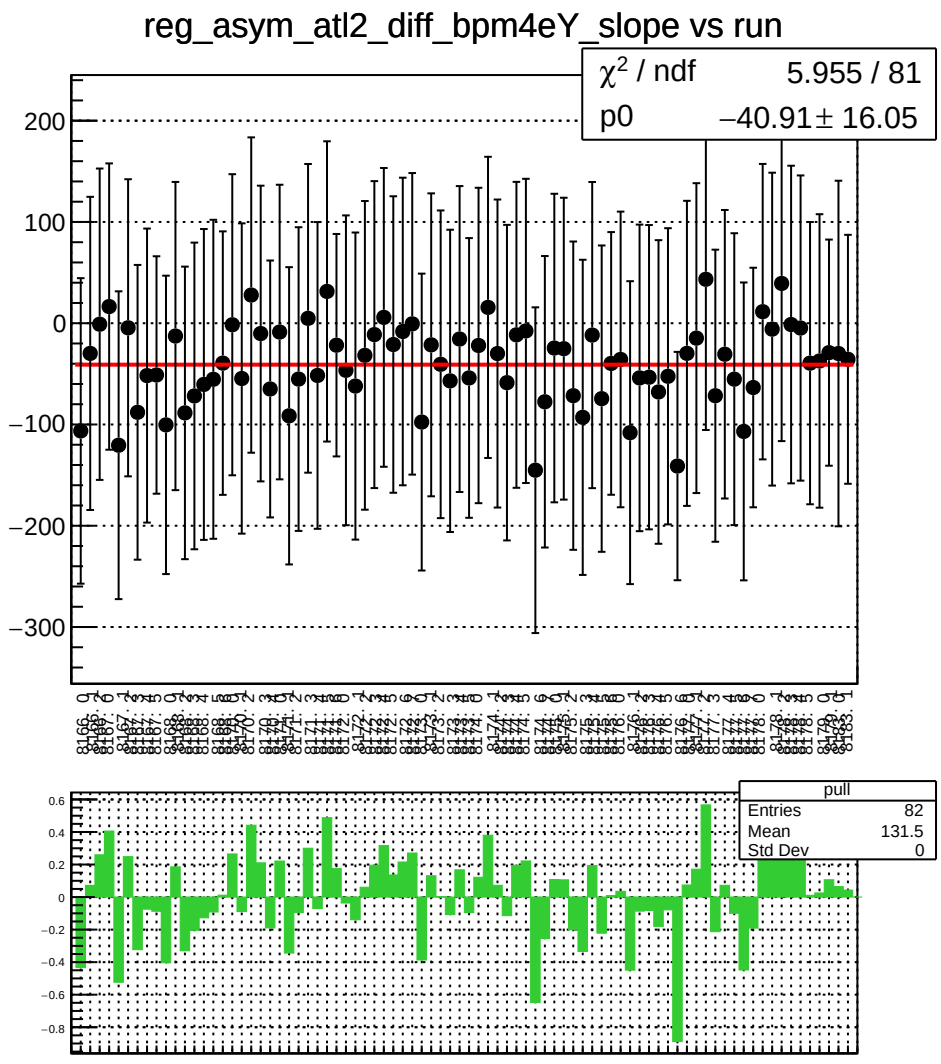

pull1D
Entries 82
Mean 0.002895
Std Dev 0.2888
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

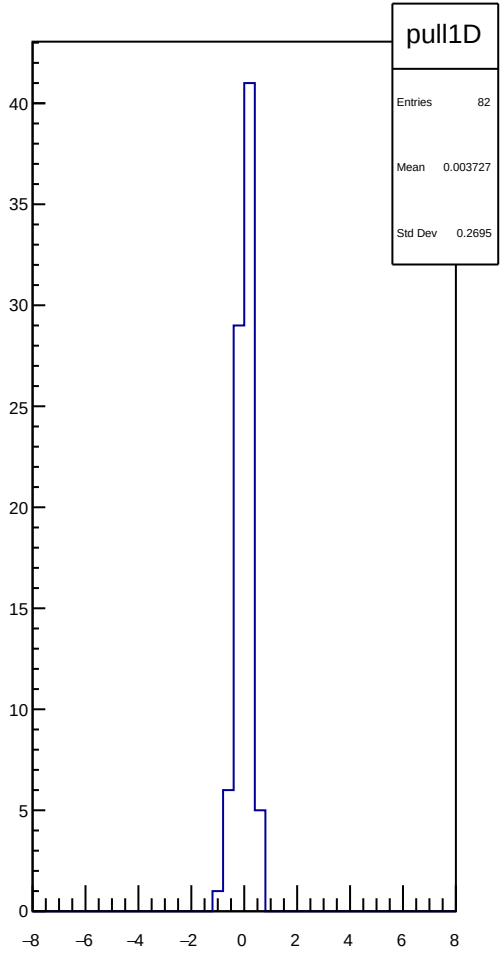

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.828 / 81
p0 157.6 ± 15
pull
Entries 82
Mean 81.95
Std Dev 18.18

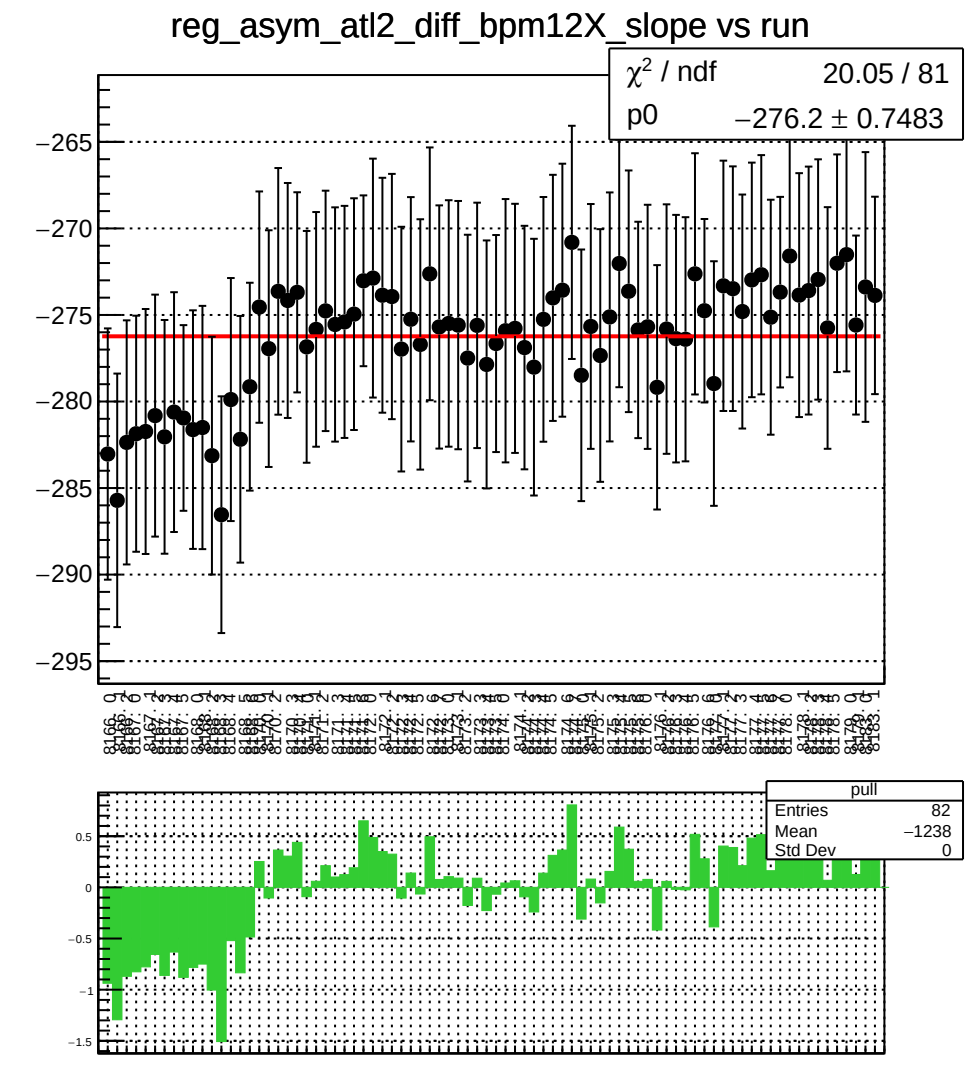

pull1D
Entries 82
Mean −0.003586
Std Dev 0.2666

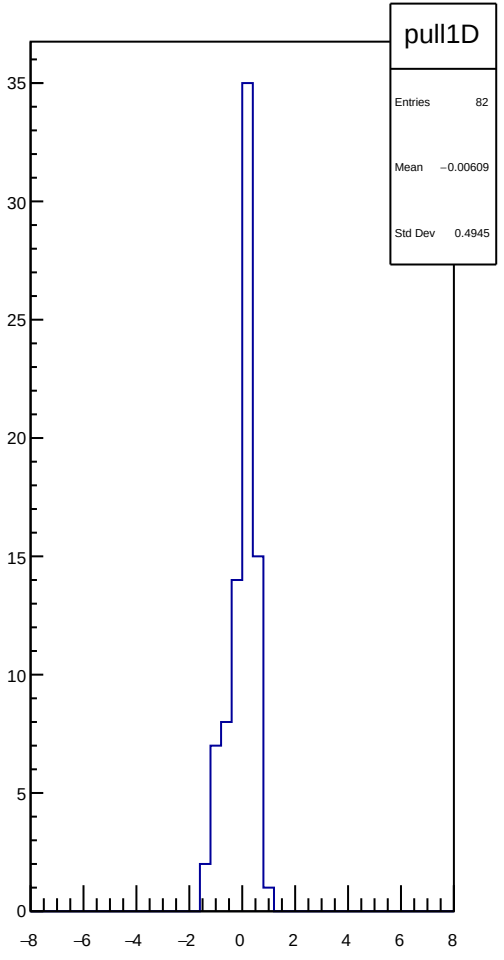

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 6.187 / 81
p0 384 ± 8.107
pull
Entries 82
Mean −461.2
Std Dev 0

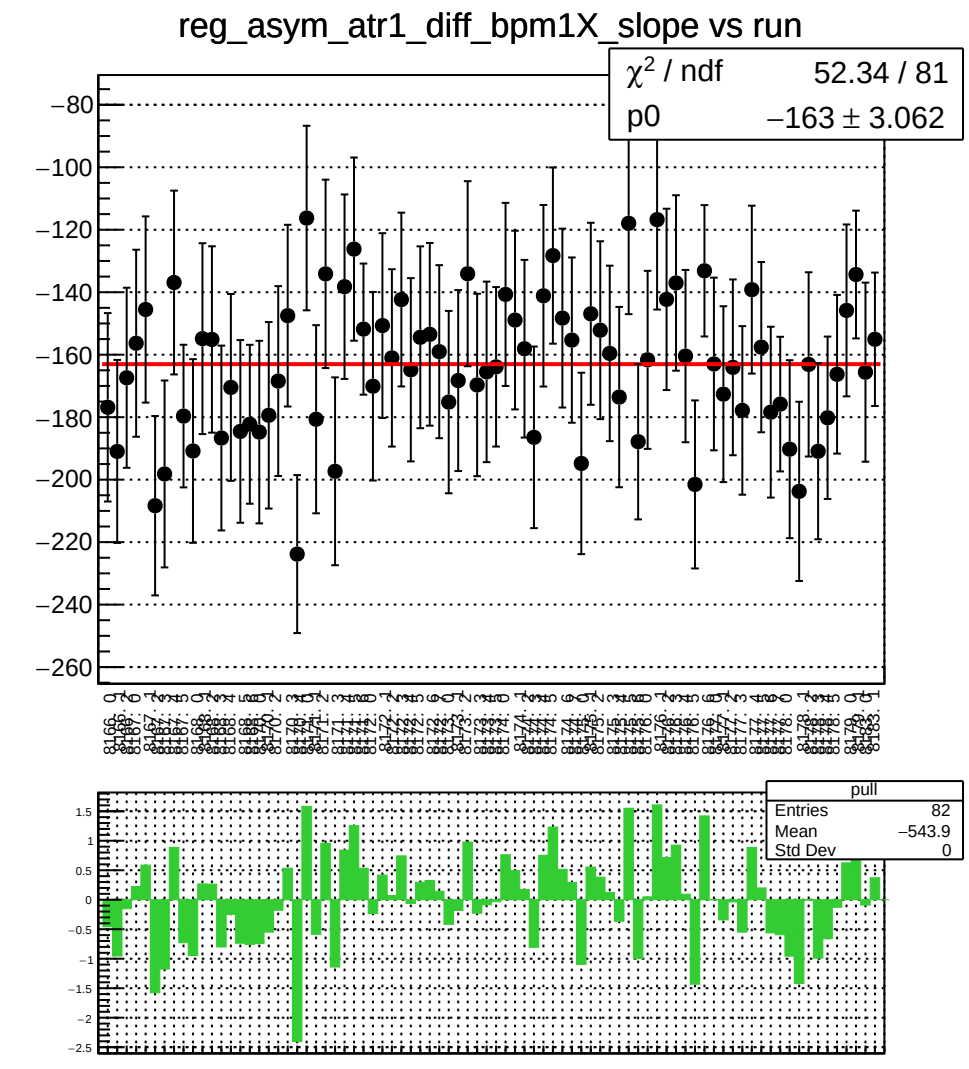

pull1D
Entries 82
Mean −0.002678
Std Dev 0.2747

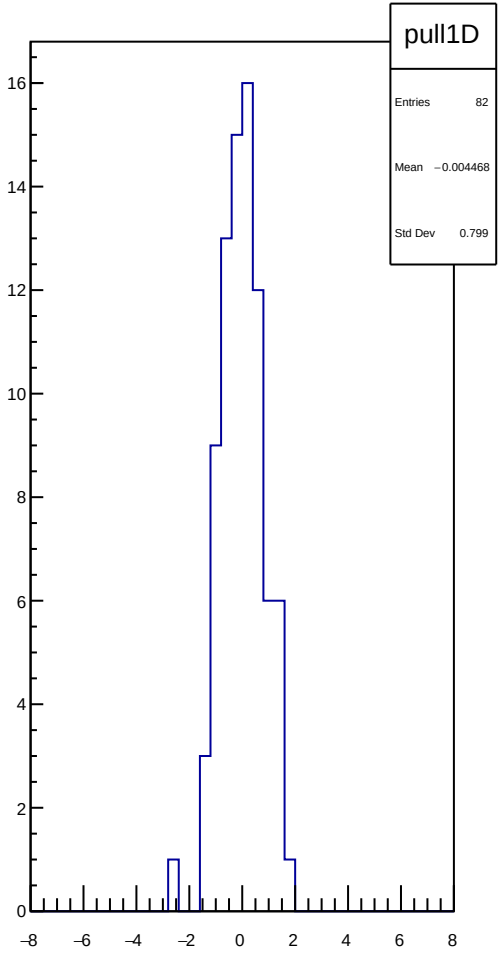

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.955 / 81
p0 −40.91± 16.05
pull
Entries 82
Mean 131.5
Std Dev 0

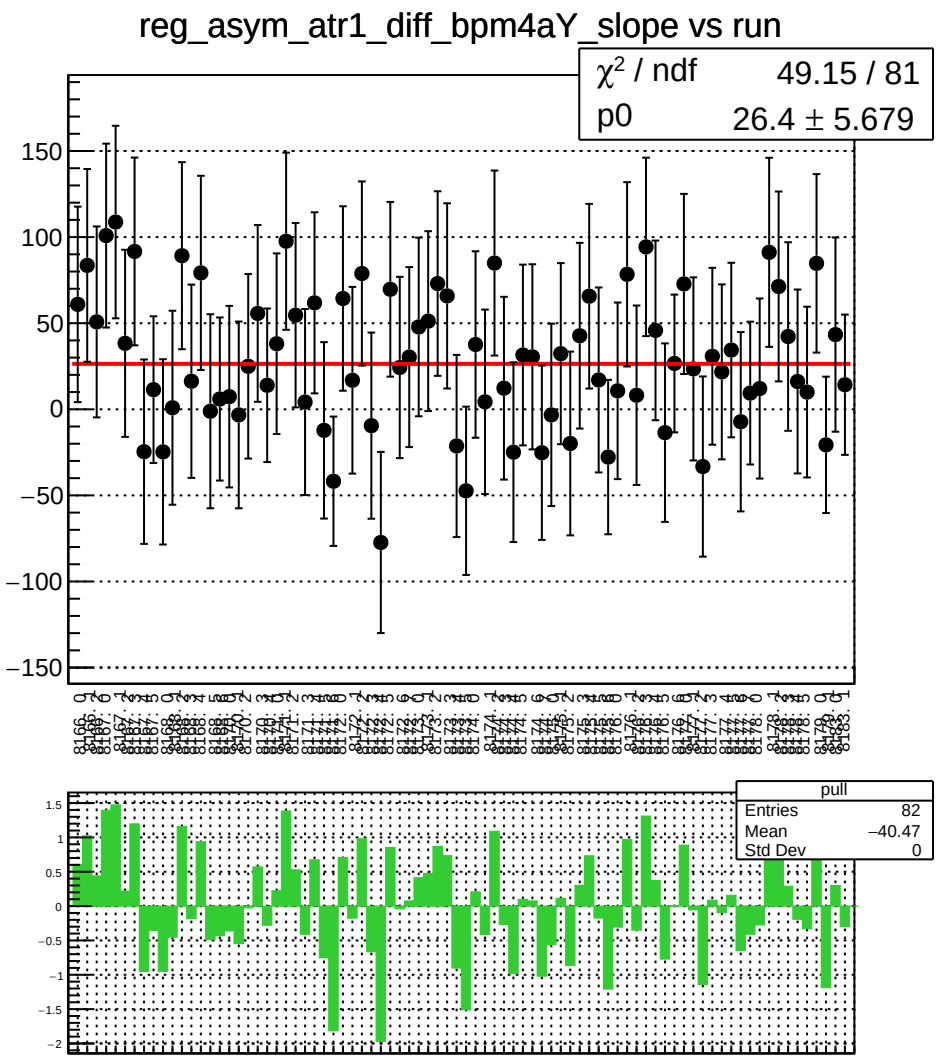

pull1D
Entries 82
Mean 0.003727
Std Dev 0.2695

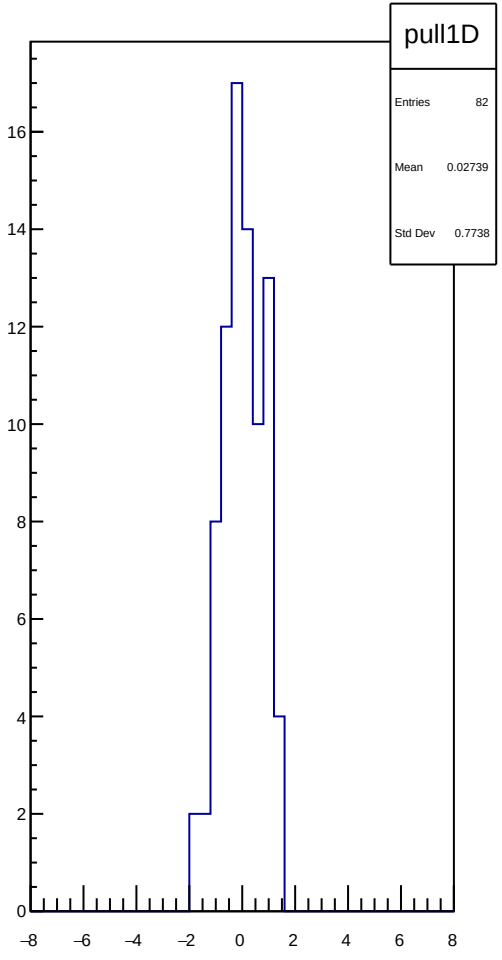

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 20.05 / 81
p0 −276.2 ± 0.7483
pull
Entries 82
Mean −1238
Std Dev 0

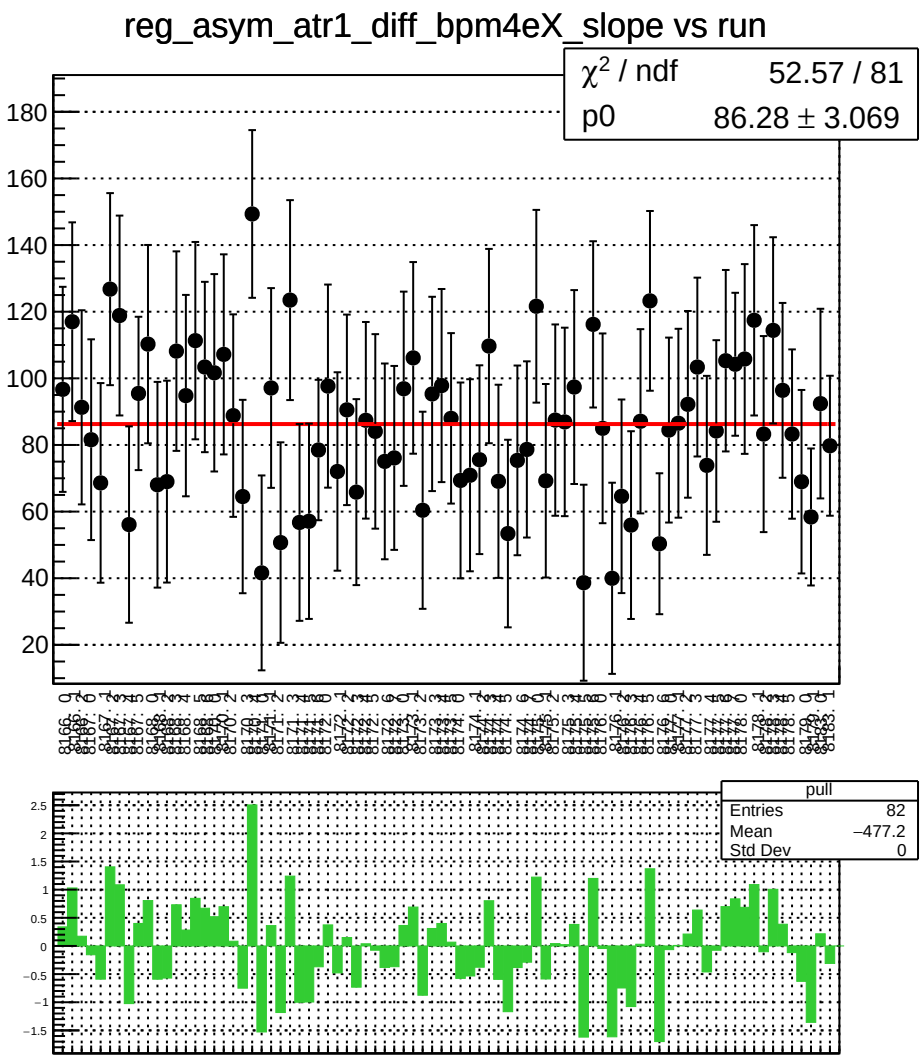

pull1D
Entries 82
Mean −0.00609
Std Dev 0.4945

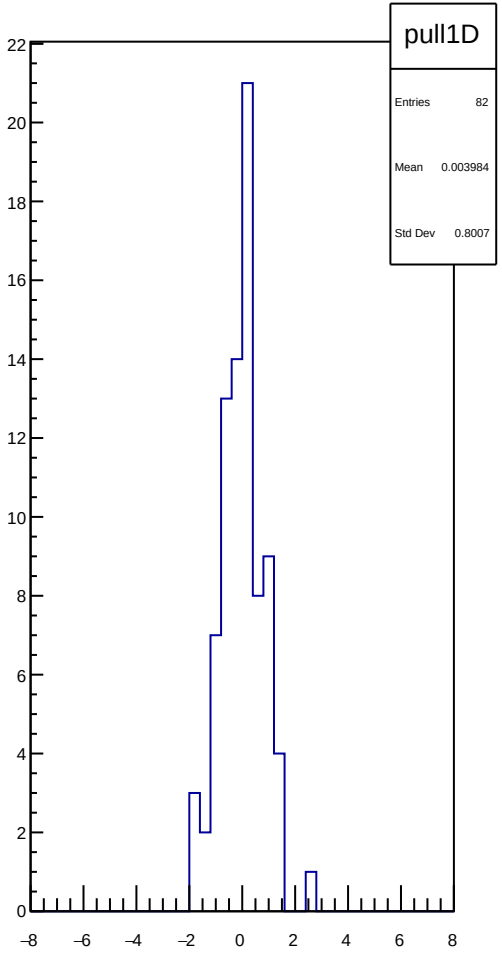

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 52.34 / 81
p0 −163 ± 3.062
pull
Entries 82
Mean −543.9
Std Dev 0

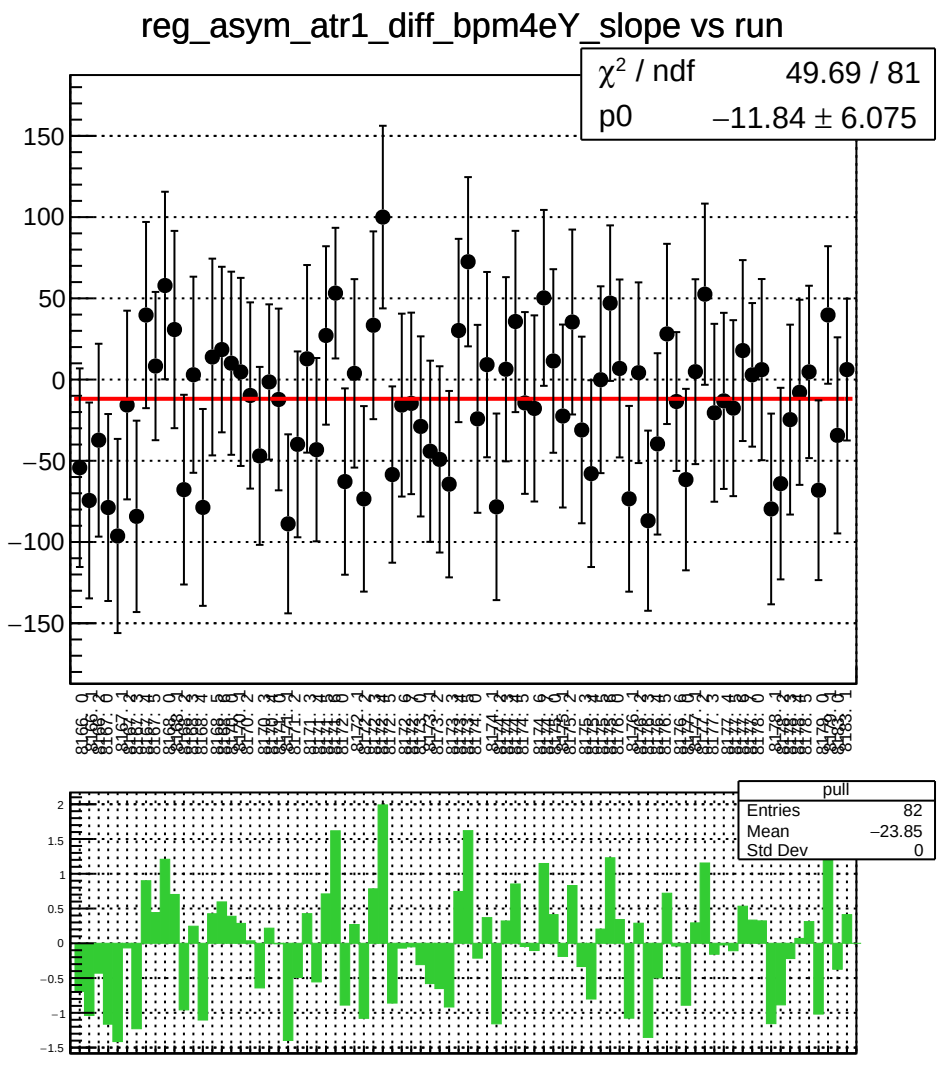

pull1D
Entries 82
Mean −0.004468
Std Dev 0.799

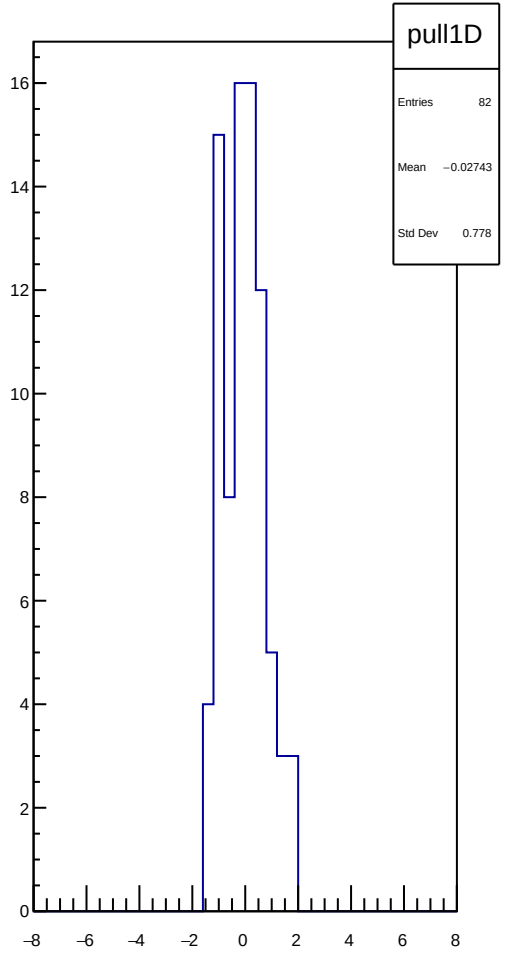

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 49.15 / 81
p0 26.4 ± 5.679
pull
Entries 82
Mean −40.47
Std Dev 0

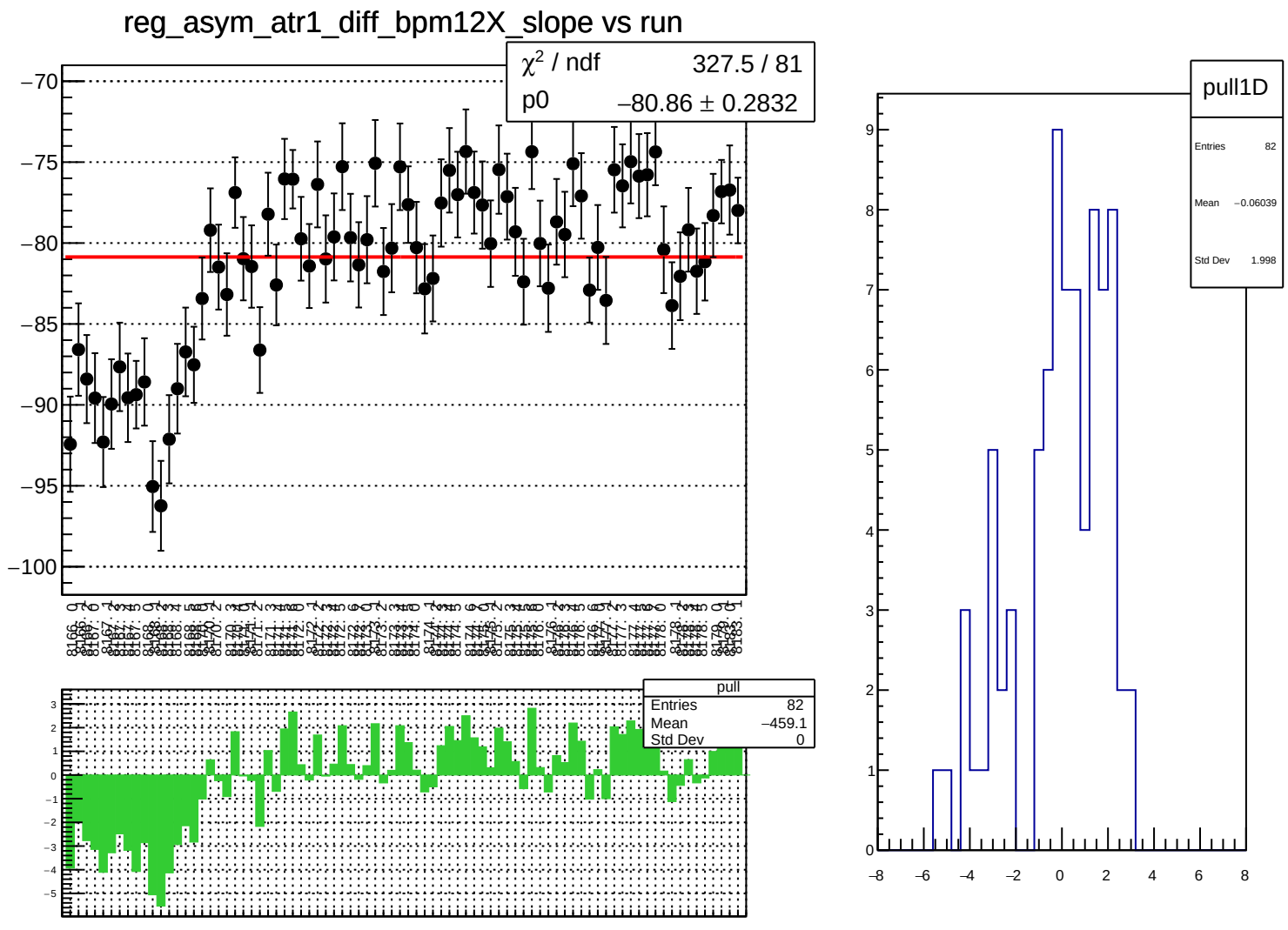

pull1D
Entries 82
Mean 0.02739
Std Dev 0.7738

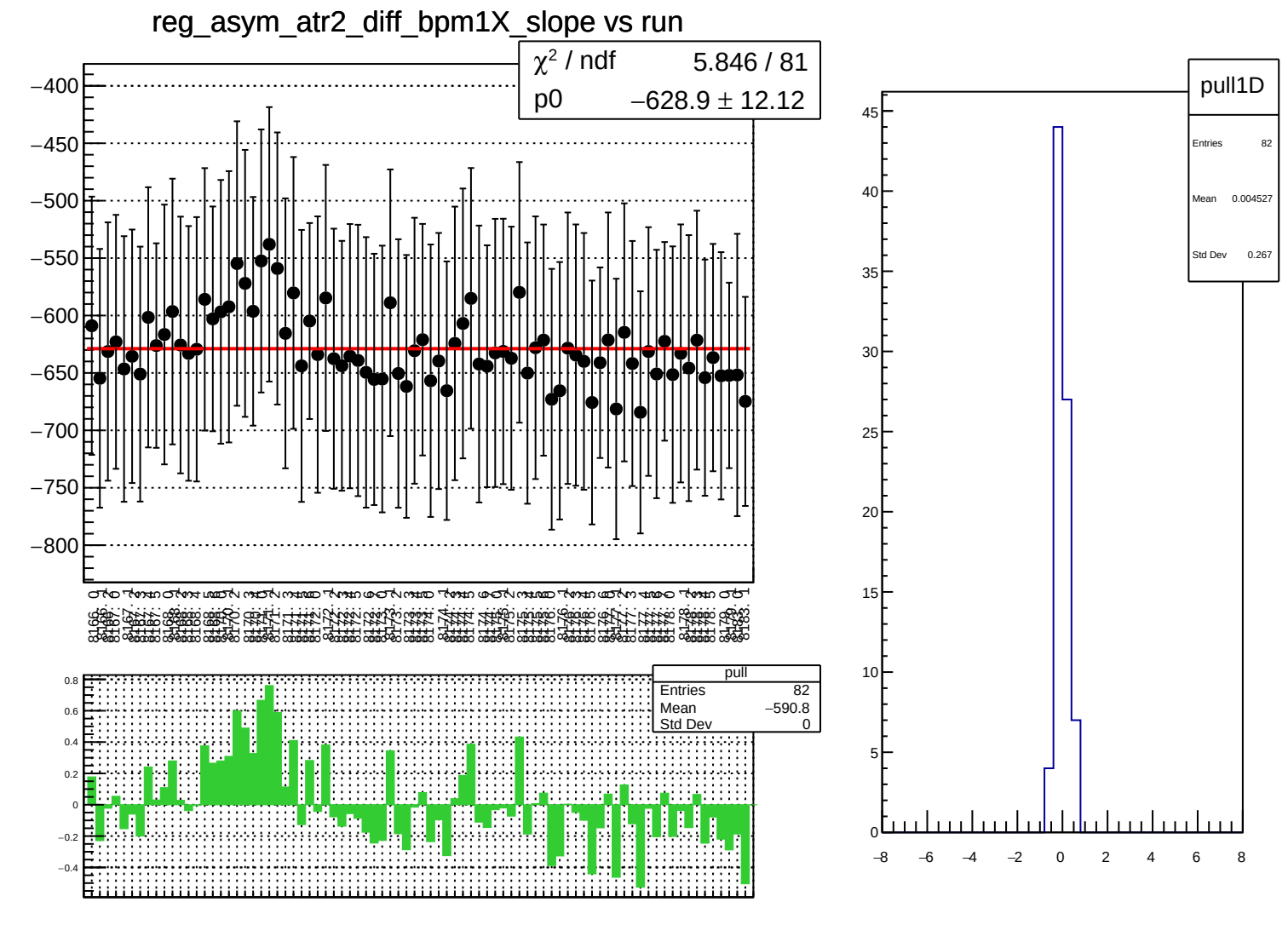

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 52.57 / 81
p0 86.28 ± 3.069
pull
Entries 82
Mean −477.2
Std Dev 0

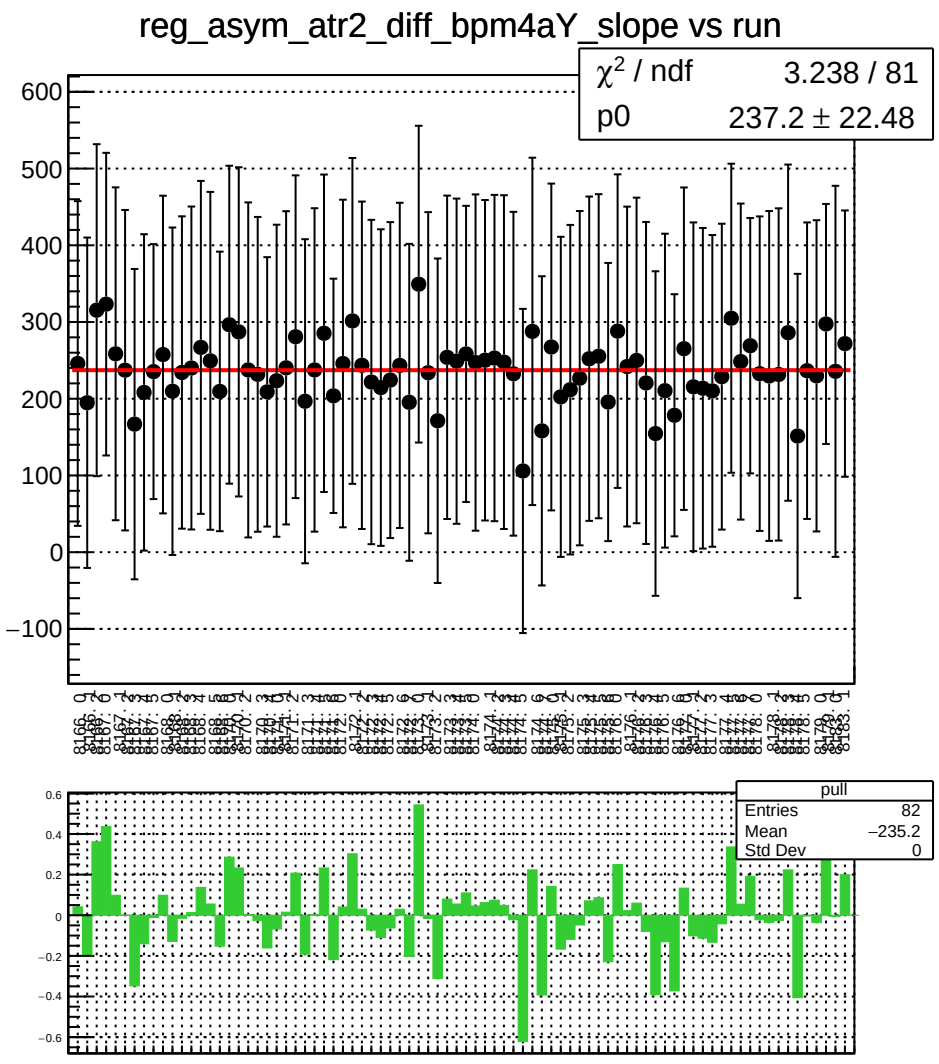

pull1D
Entries 82
Mean 0.003984
Std Dev 0.8007

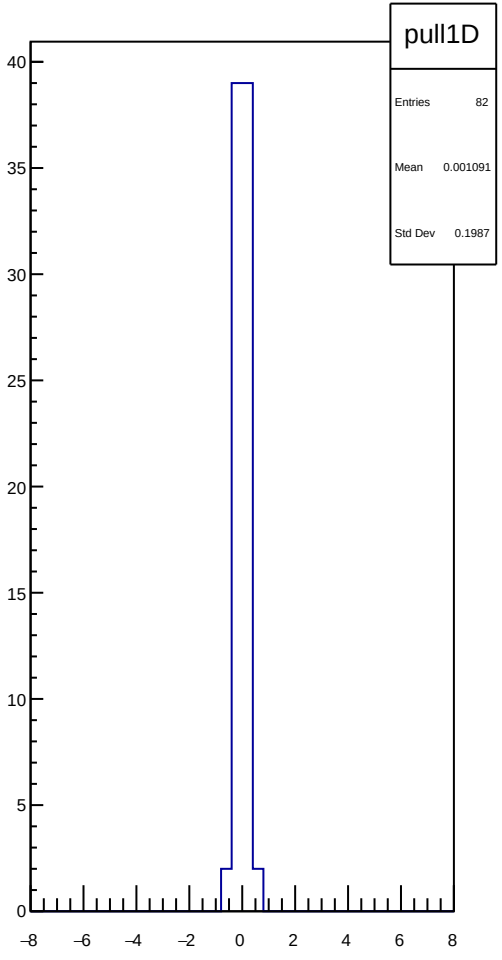

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 49.69 / 81
p0 −11.84 ± 6.075
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −23.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

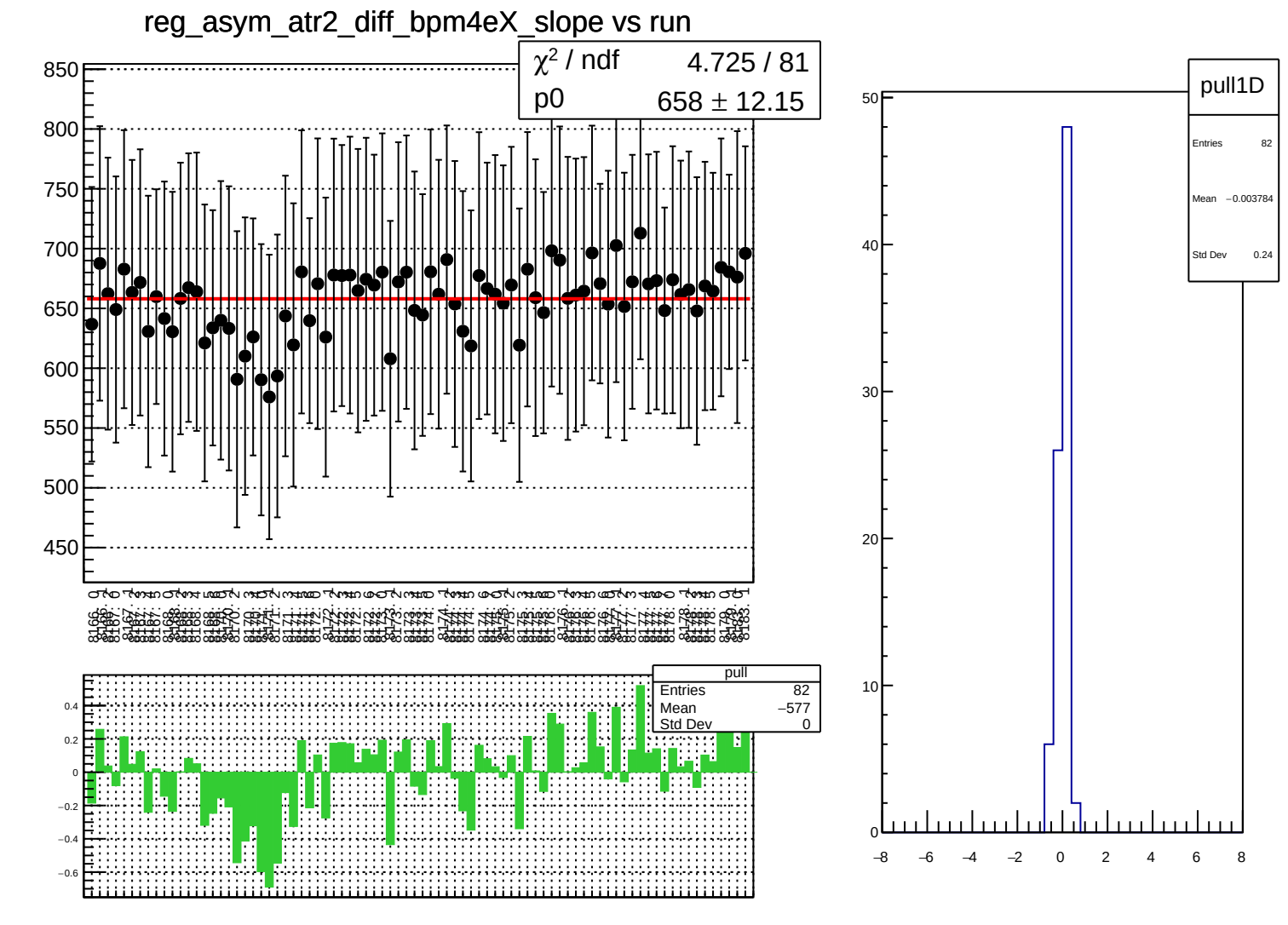

pull1D
Entries 82
Mean −0.02743
Std Dev 0.778
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

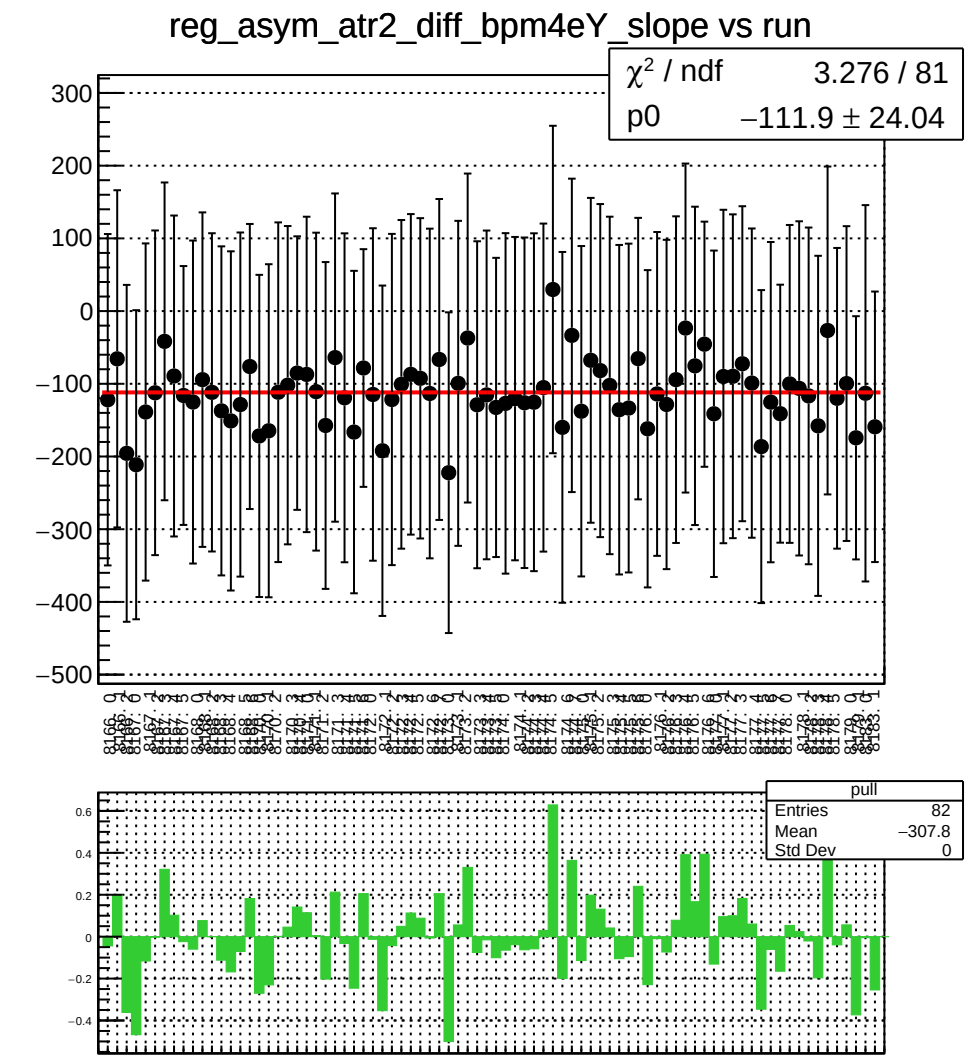

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 327.5 / 81
p0 −80.86 ± 0.2832
pull
Entries 82
Mean −459.1
Std Dev 0
pull1D
Entries 82
Mean −0.06039
Std Dev 1.998

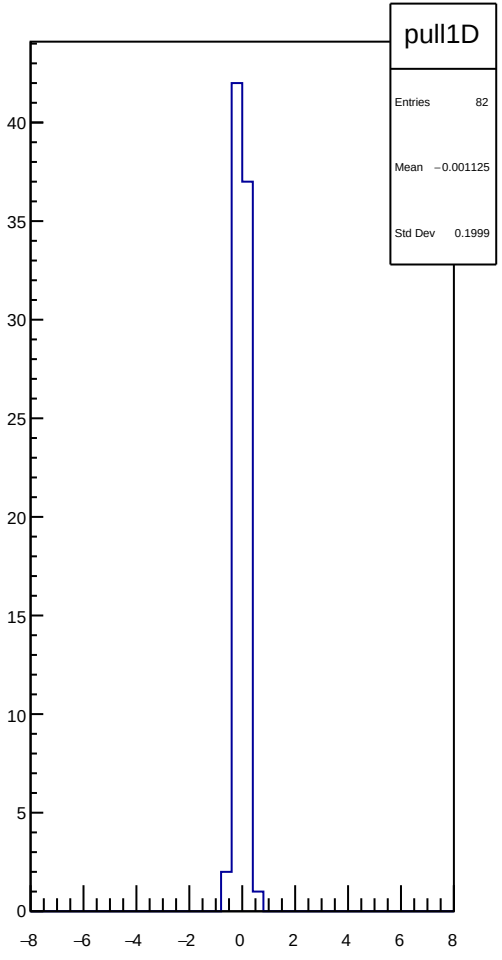

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 5.846 / 81
p0 −628.9 ± 12.12
pull
Entries 82
Mean −590.8
Std Dev 0
pull1D
Entries 82
Mean 0.004527
Std Dev 0.267

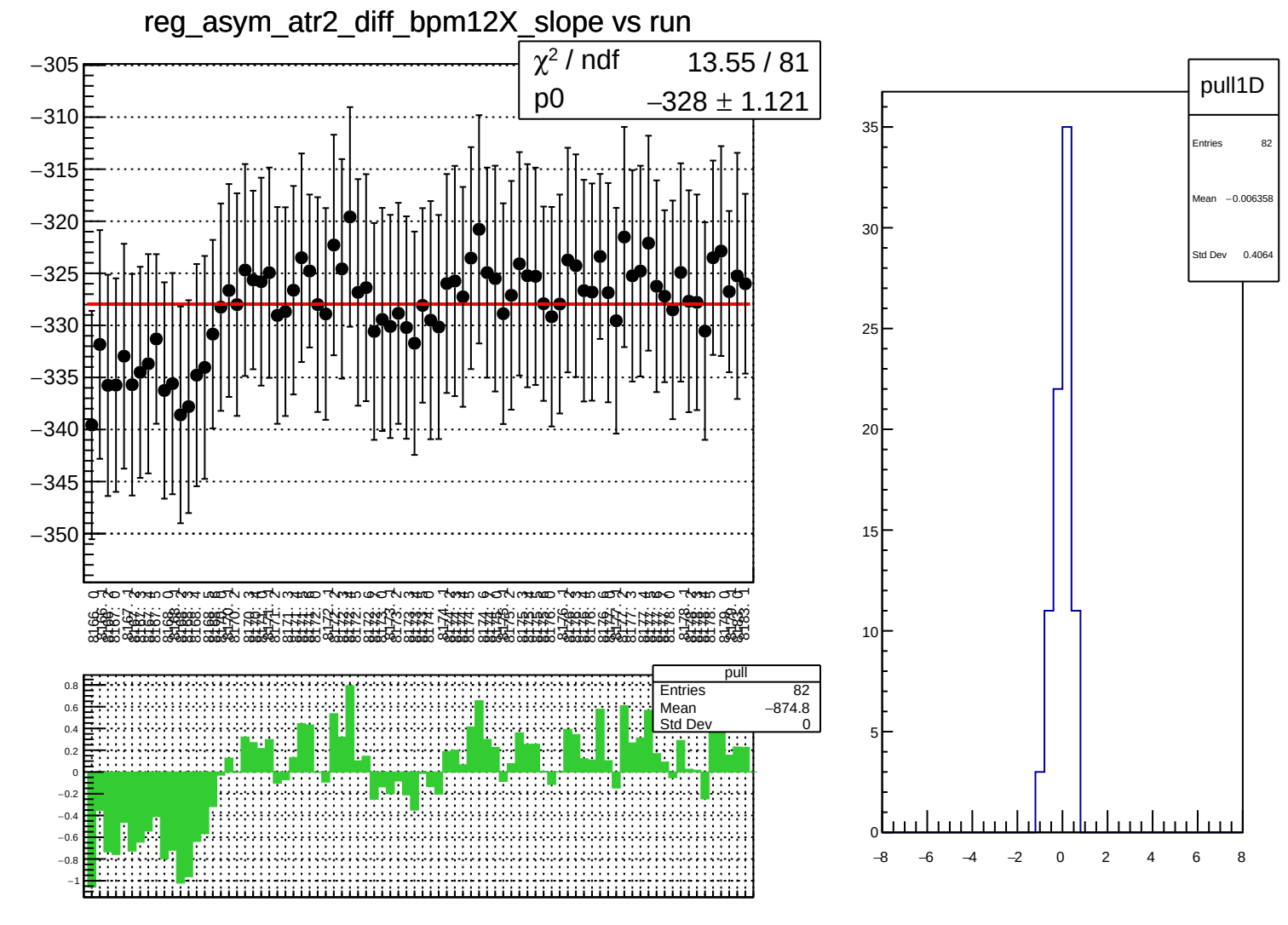

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.238 / 81
p0 237.2 ± 22.48
pull
Entries 82
Mean −235.2
Std Dev 0

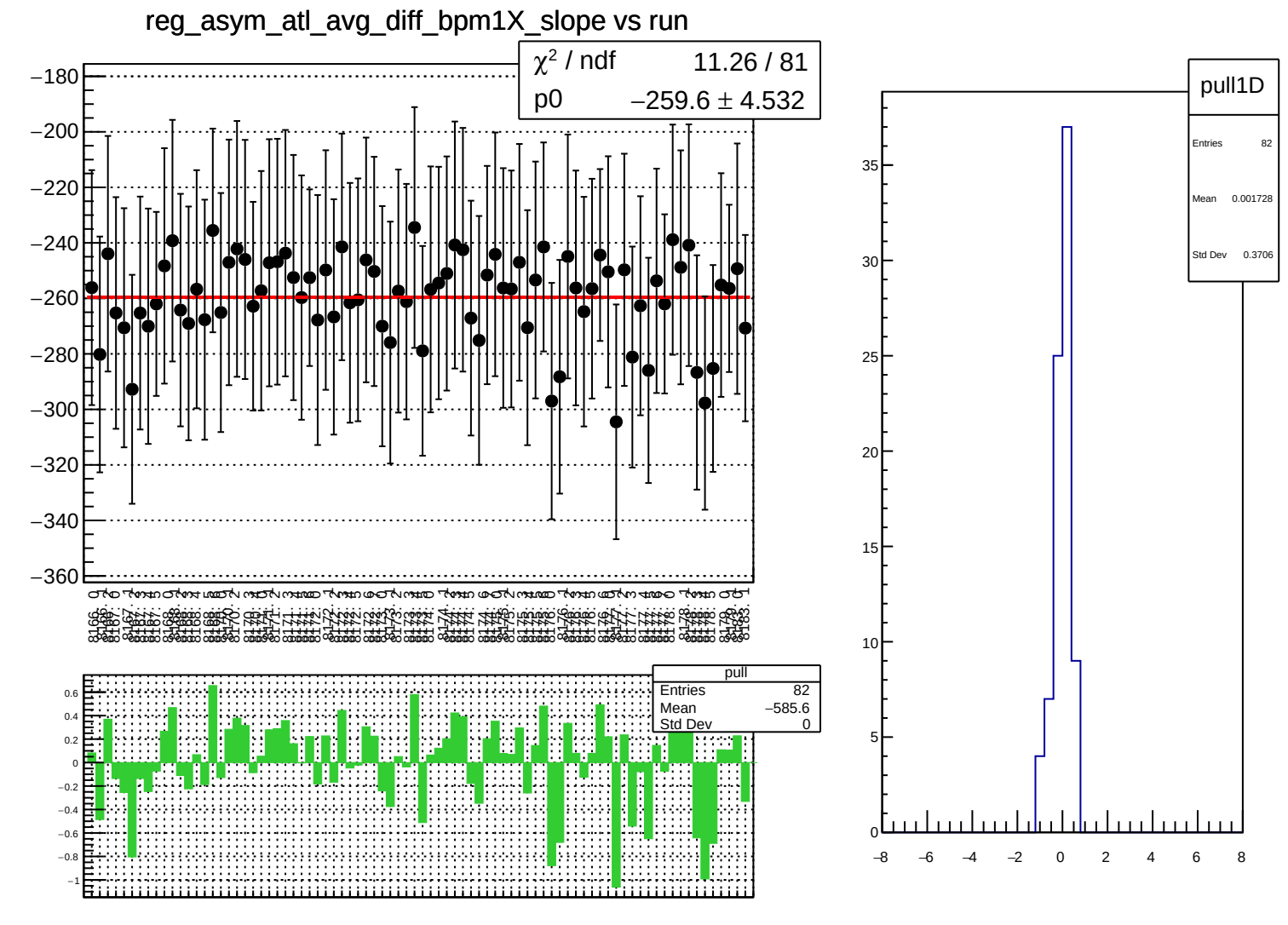

pull1D
Entries 82
Mean 0.001091
Std Dev 0.1987

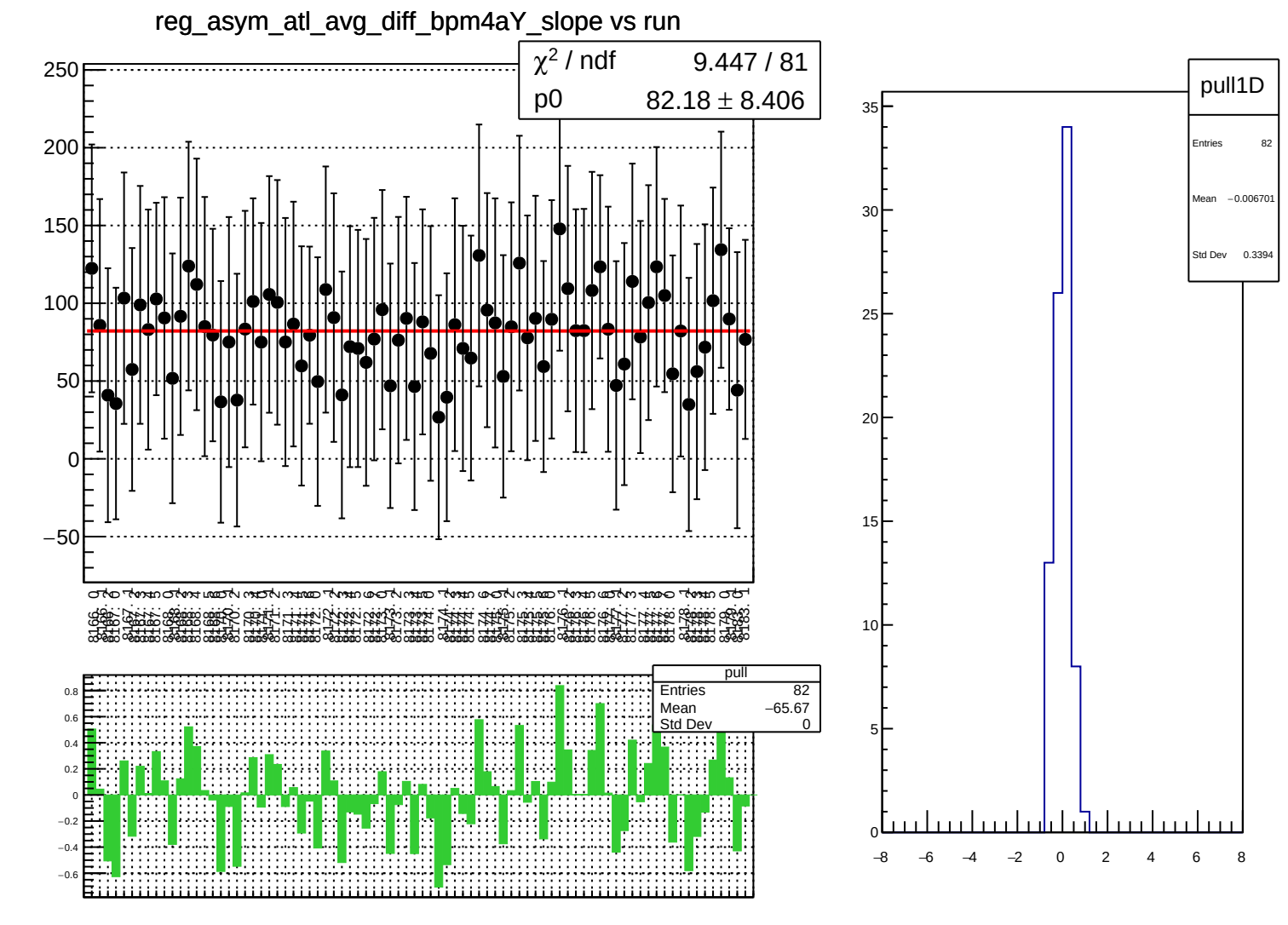

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 4.725 / 81
p0 658 ± 12.15
pull
Entries 82
Mean −577
Std Dev 0
pull1D
Entries 82
Mean −0.003784
Std Dev 0.24

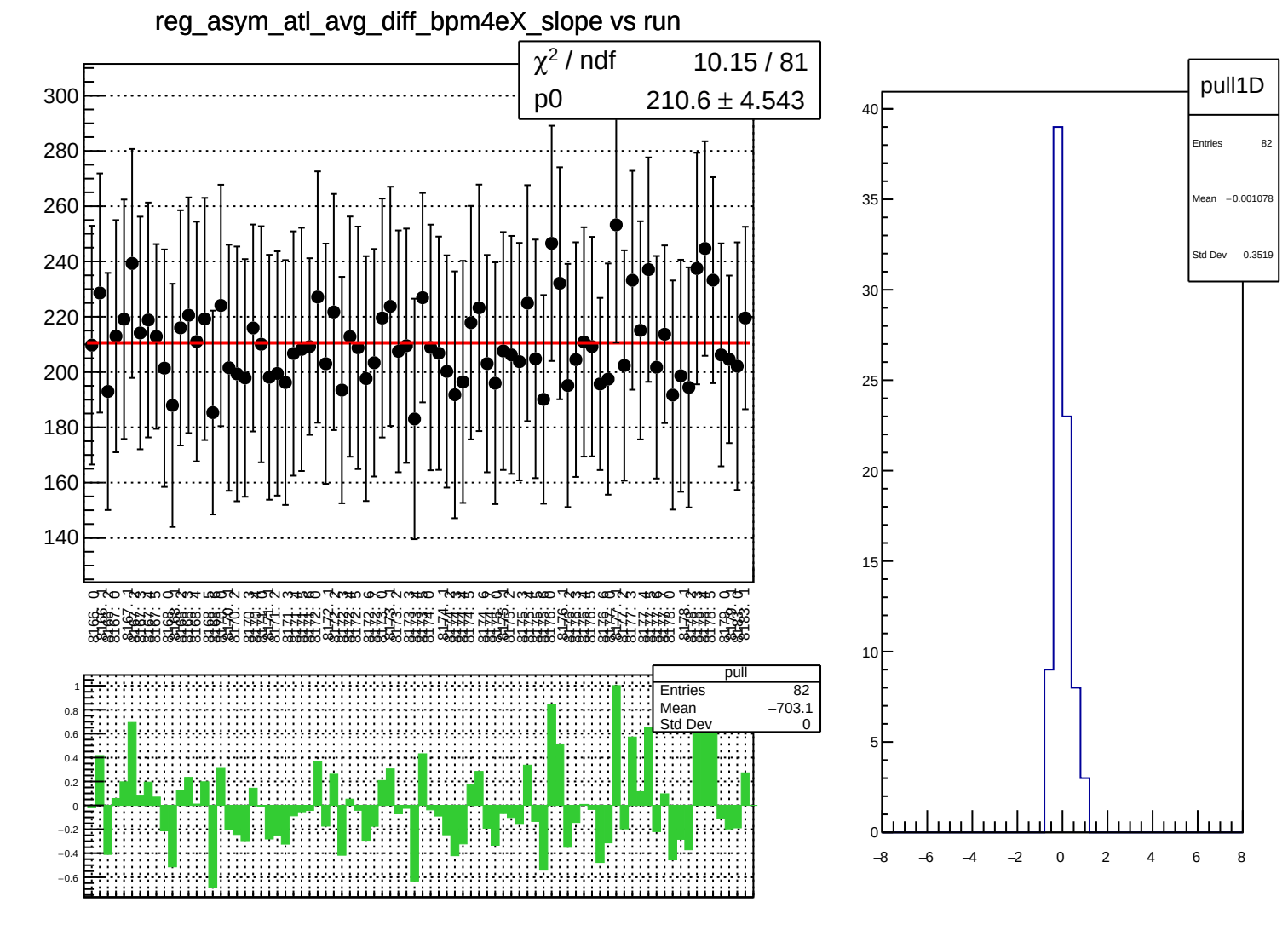

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.276 / 81
p0 −111.9 ± 24.04
pull
Entries 82
Mean −307.8
Std Dev 0

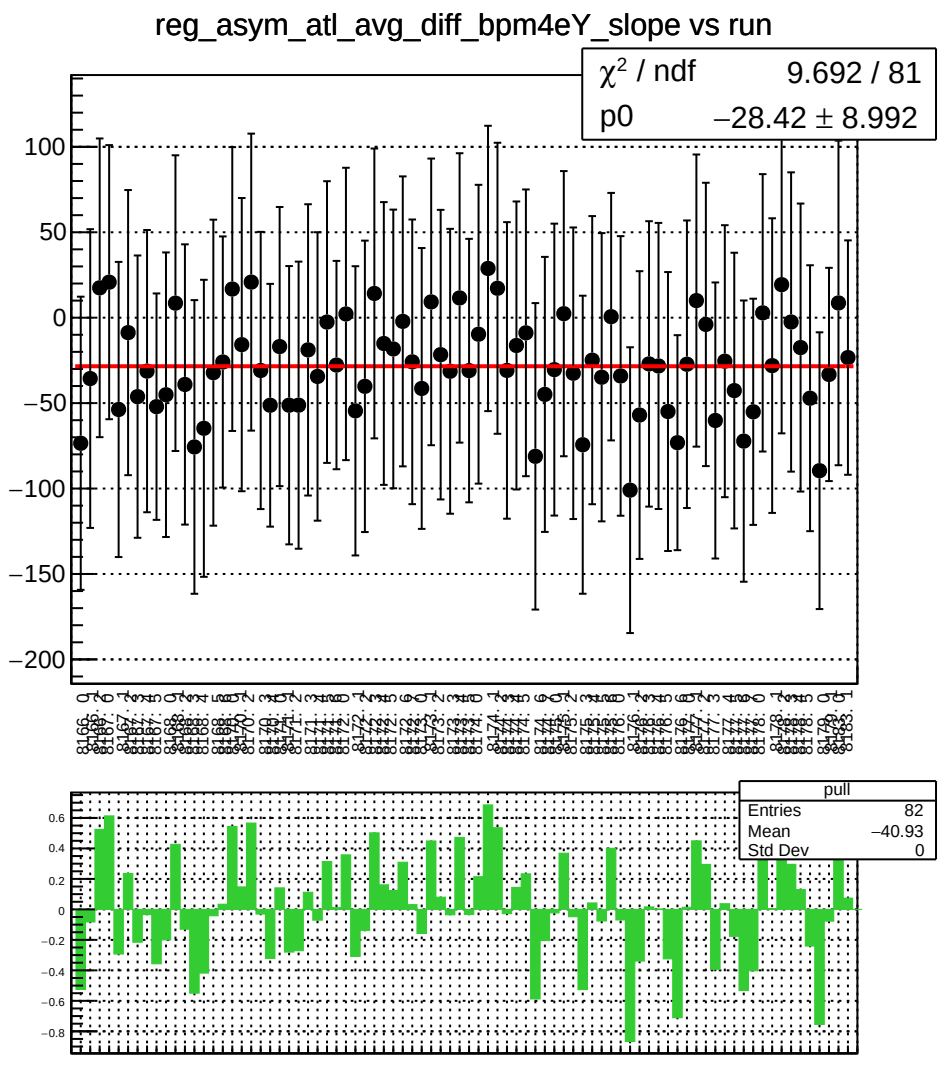

pull1D
Entries 82
Mean −0.001125
Std Dev 0.1999

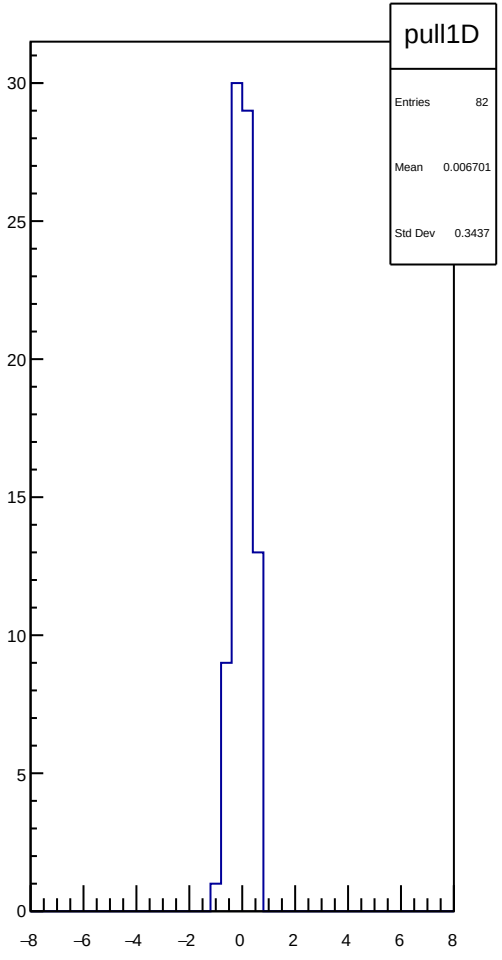

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.55 / 81
p0 −328 ± 1.121
pull
Entries 82
Mean −874.8
Std Dev 0
pull1D
Entries 82
Mean −0.006358
Std Dev 0.4064

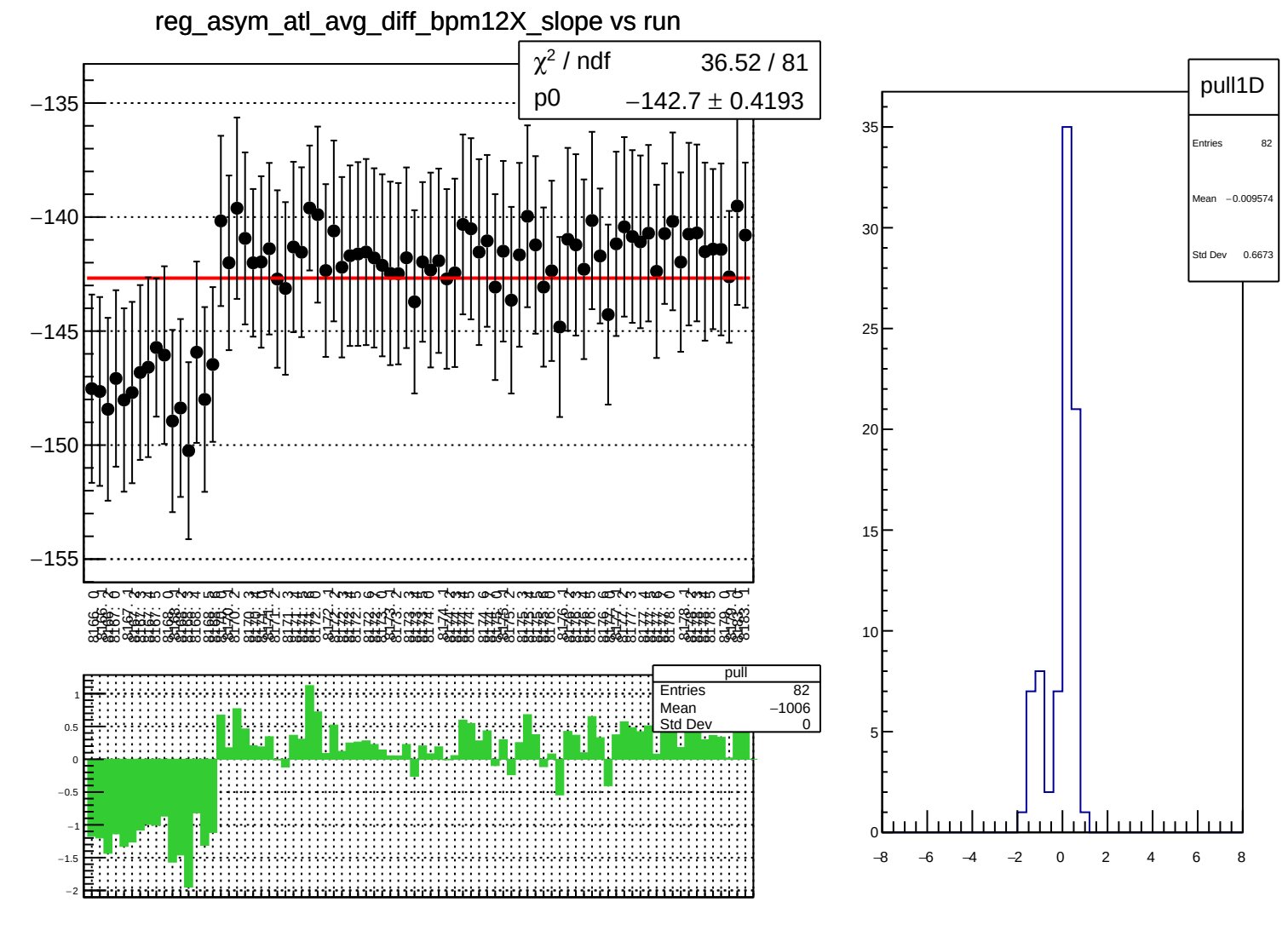

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 11.26 / 81
p0 −259.6 ± 4.532
pull
Entries 82
Mean −585.6
Std Dev 0
pull1D
Entries 82
Mean 0.001728
Std Dev 0.3706

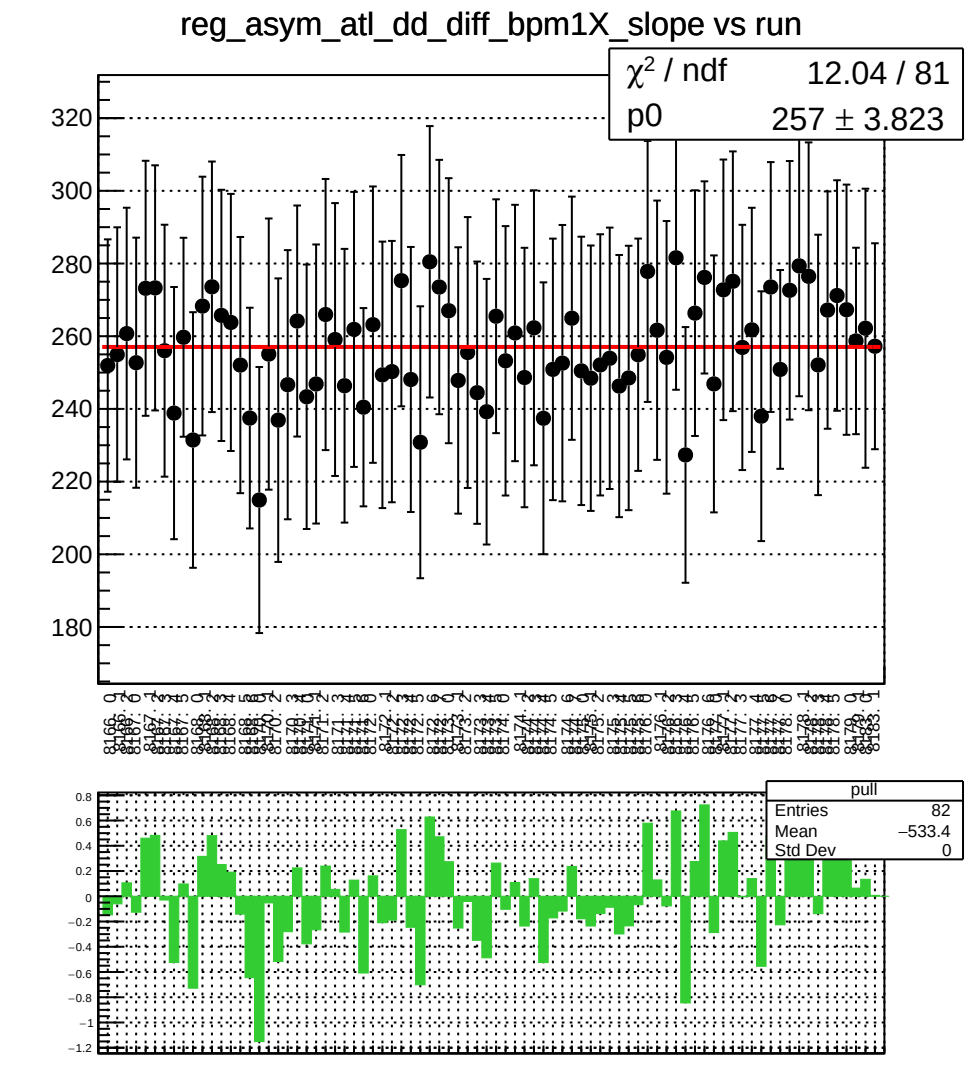

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.447 / 81
p0 82.18 ± 8.406
pull
Entries 82
Mean −65.67
Std Dev 0
pull1D
Entries 82
Mean −0.006701
Std Dev 0.3394

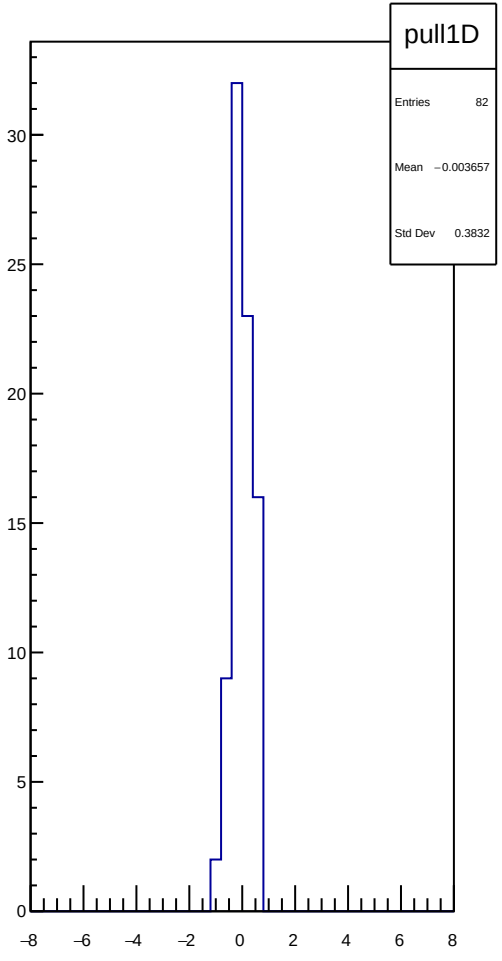

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.15 / 81
p0 210.6 ± 4.543
pull
Entries 82
Mean −703.1
Std Dev 0
pull1D
Entries 82
Mean −0.001078
Std Dev 0.3519

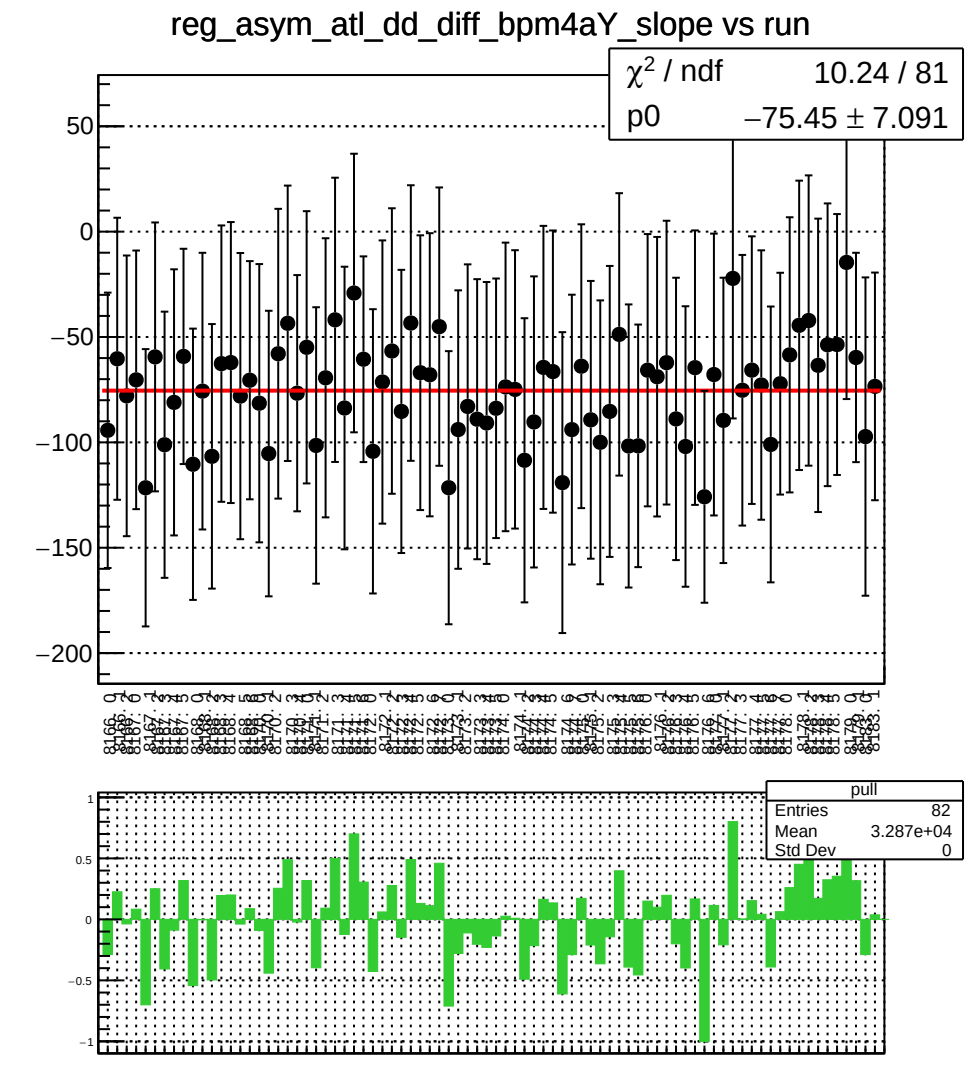

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.692 / 81
p0 −28.42 ± 8.992
pull
Entries 82
Mean −40.93
Std Dev 0

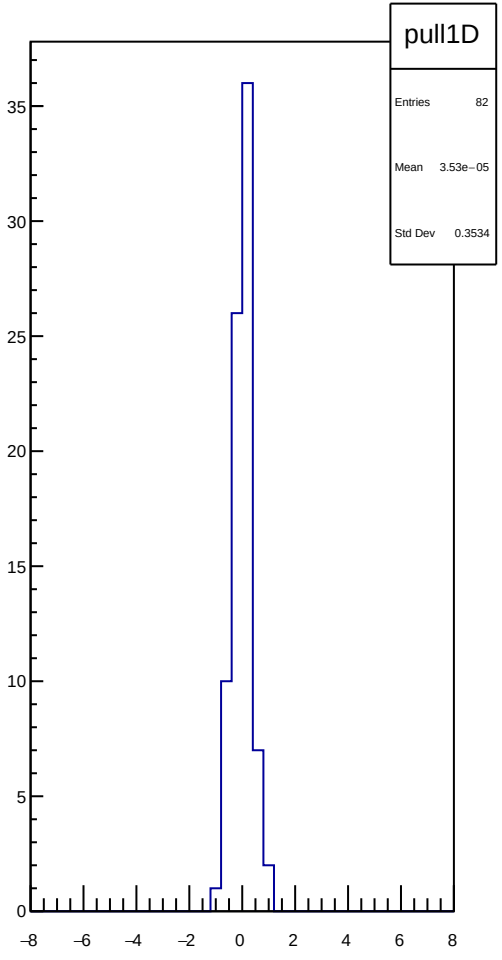

pull1D
Entries 82
Mean 0.006701
Std Dev 0.3437

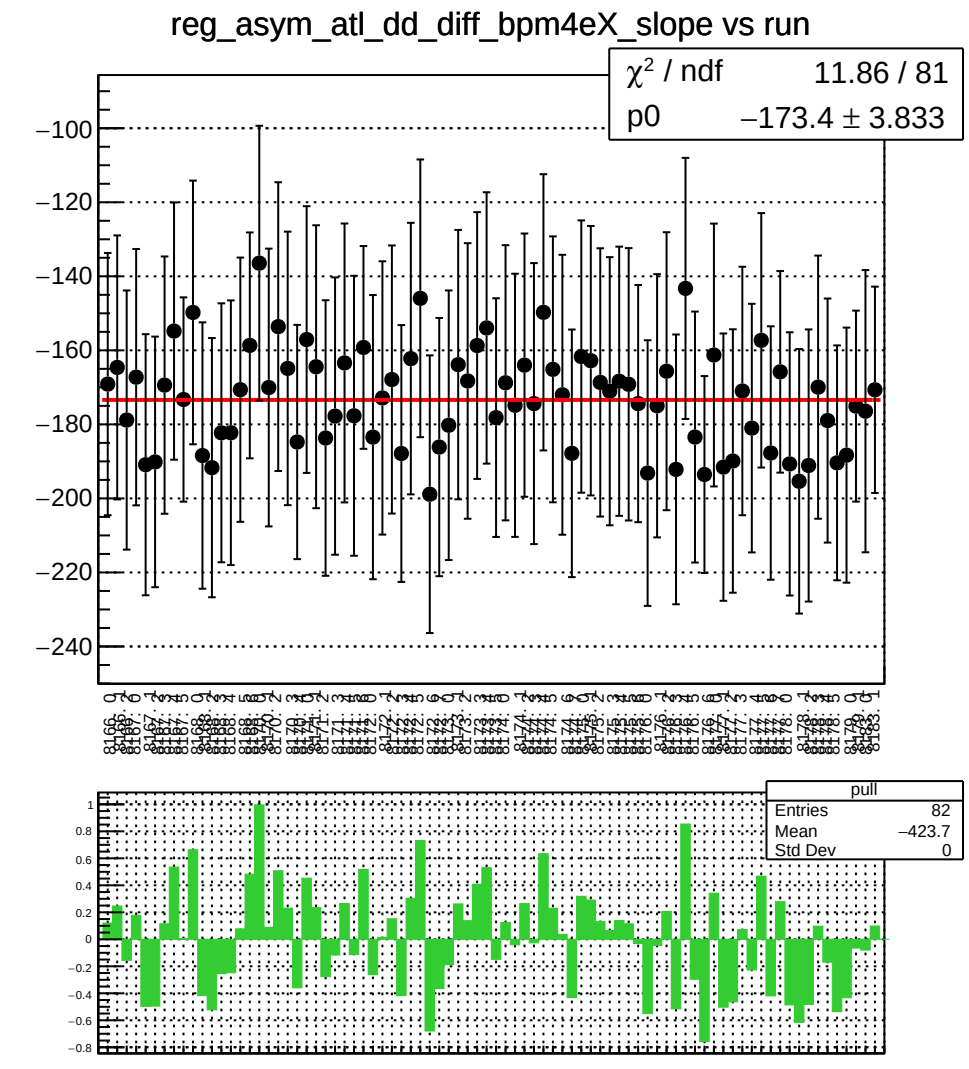

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 36.52 / 81
p0 −142.7 ± 0.4193
−135
−140
−145
−150
−155
pull
Entries 82
Mean −1006
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.009574
Std Dev 0.6673
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

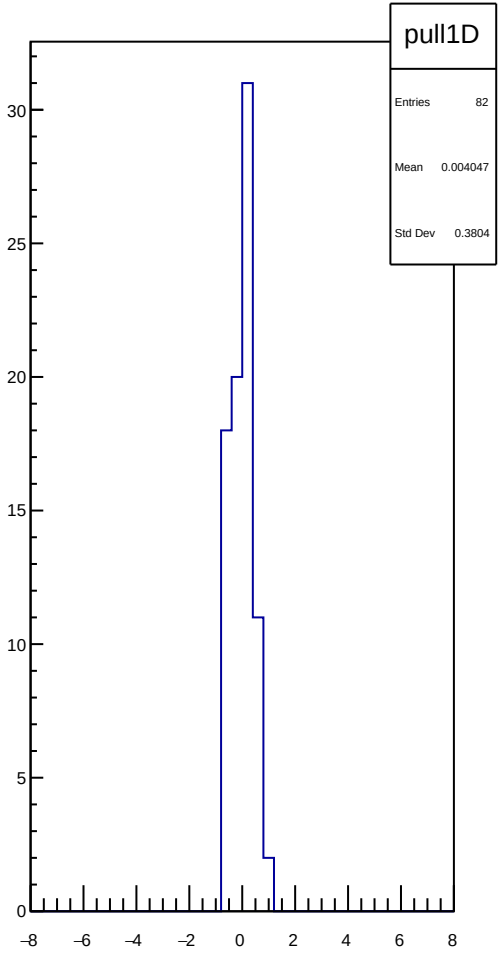

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 12.04 / 81
p0 257 ± 3.823
pull
Entries 82
Mean −533.4
Std Dev 0

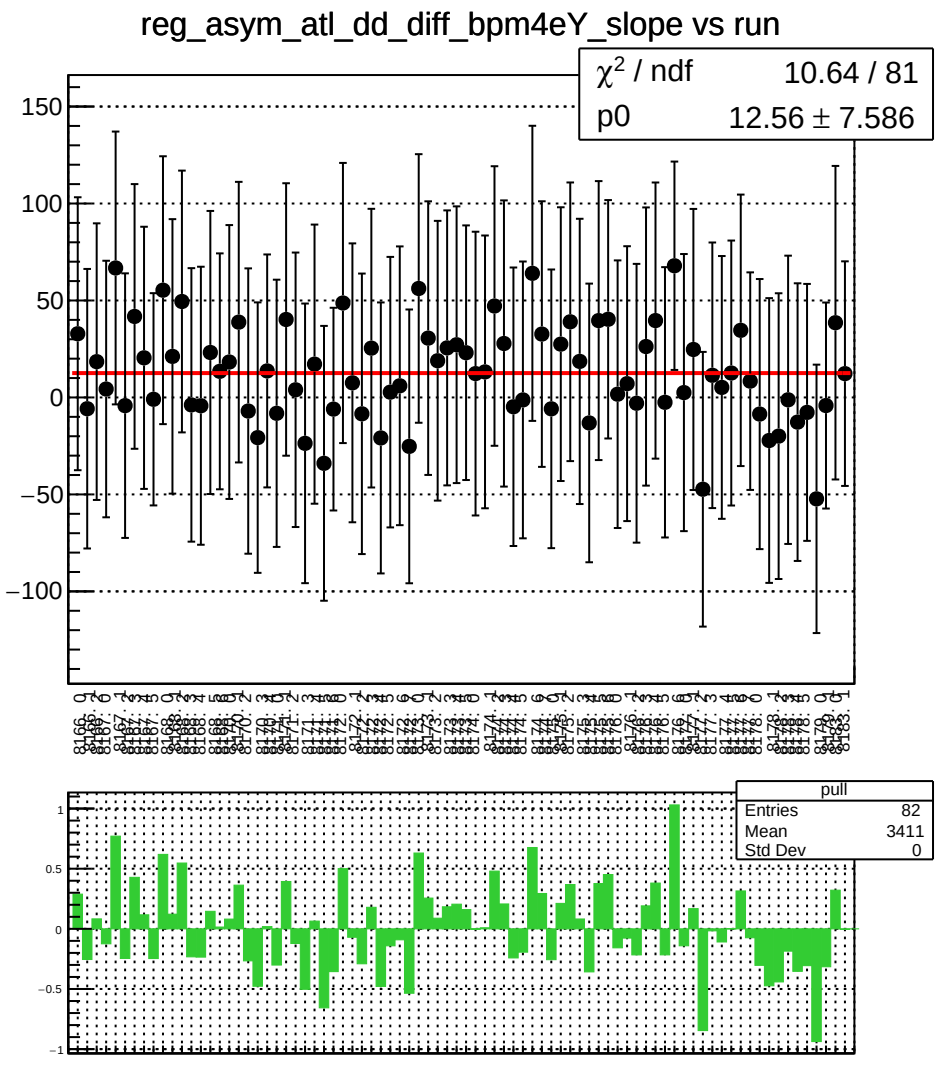

pull1D
Entries 82
Mean −0.003657
Std Dev 0.3832

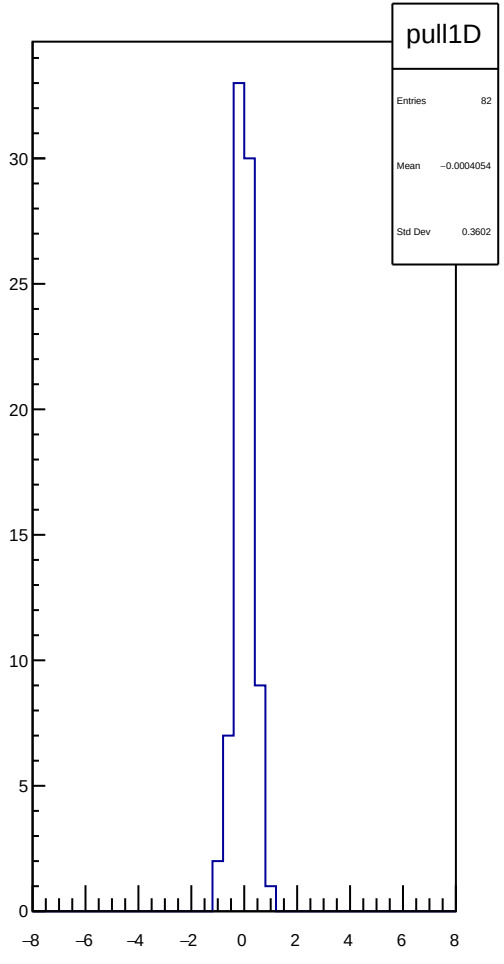

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.24 / 81
p0 −75.45 ± 7.091
pull
Entries 82
Mean 3.287e+04
Std Dev 0

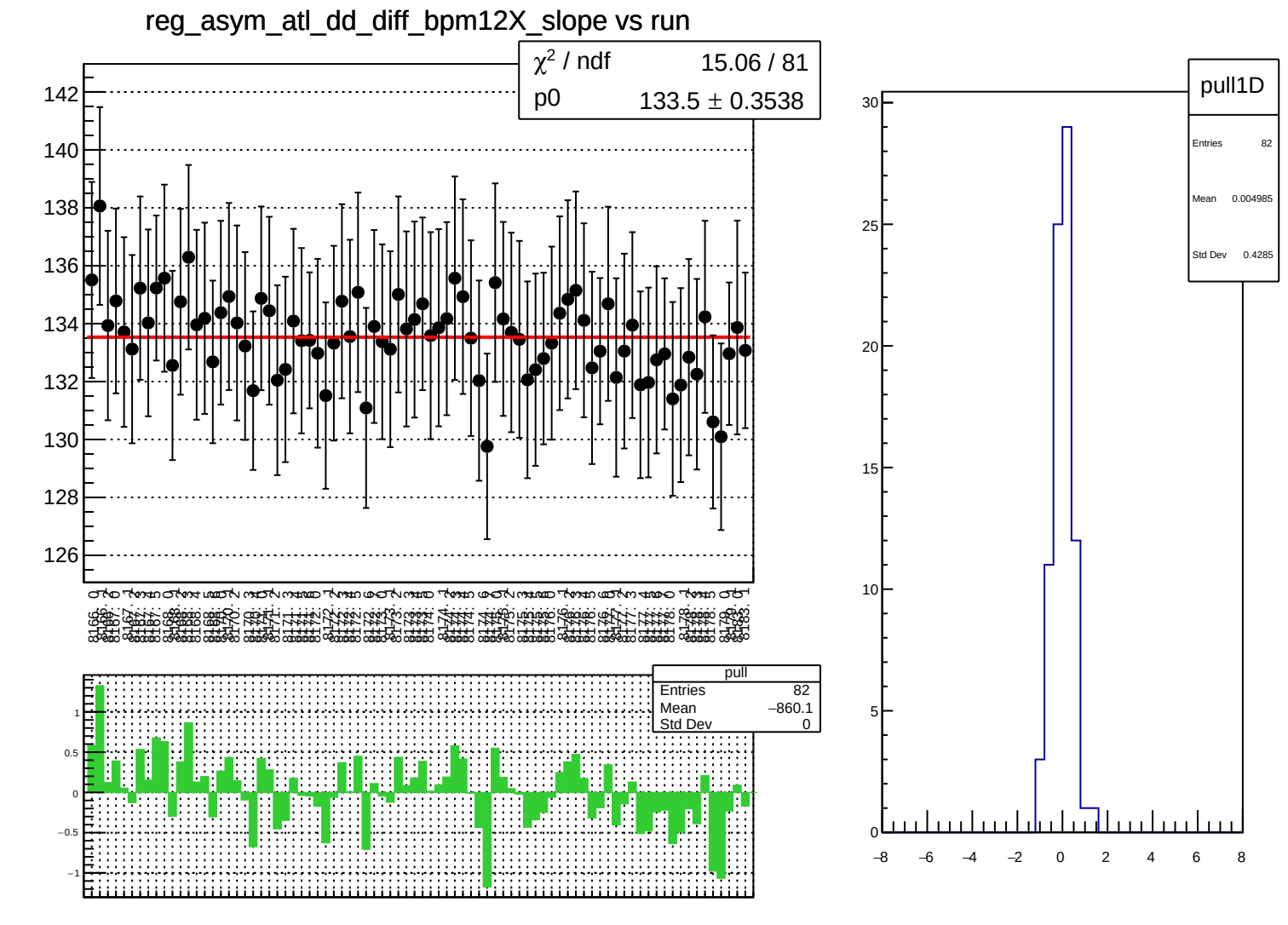

pull1D
Entries 82
Mean 3.53e−05
Std Dev 0.3534

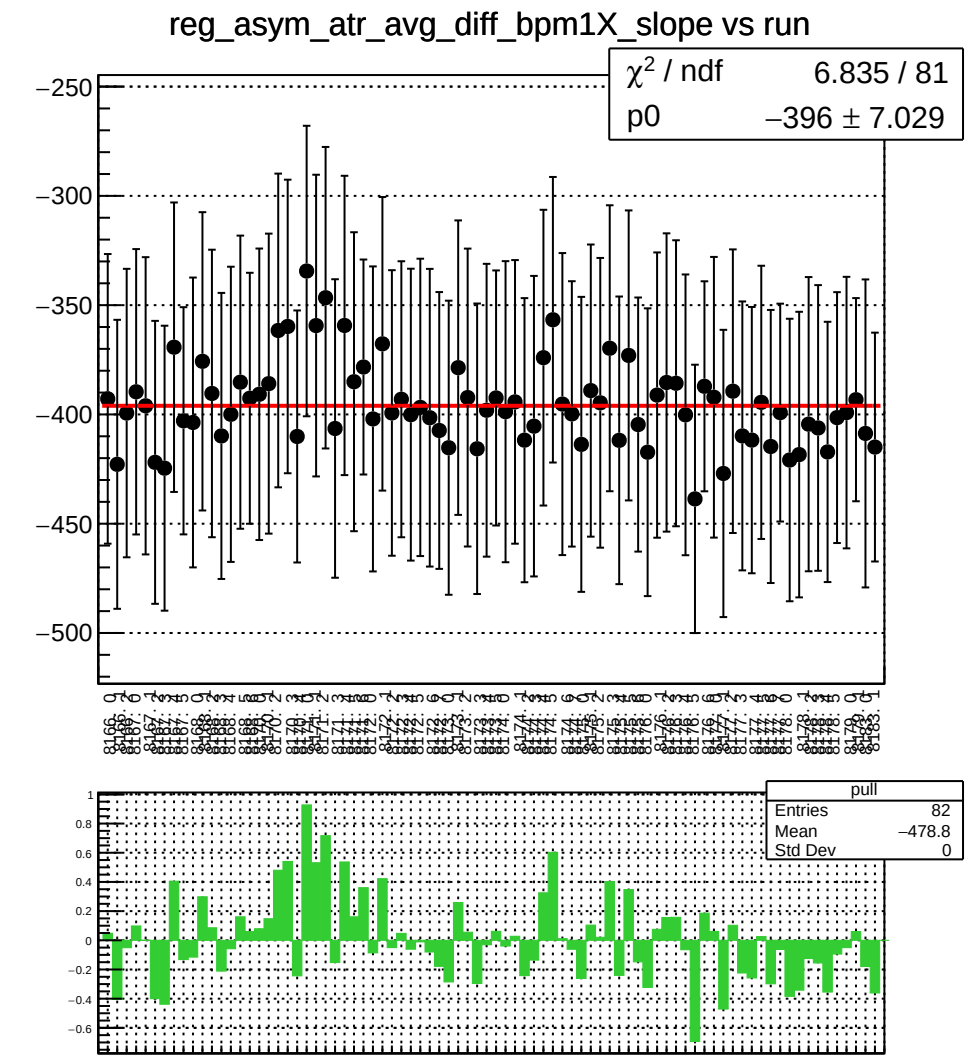

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.86 / 81
p0 −173.4 ± 3.833
pull
Entries 82
Mean −423.7
Std Dev 0

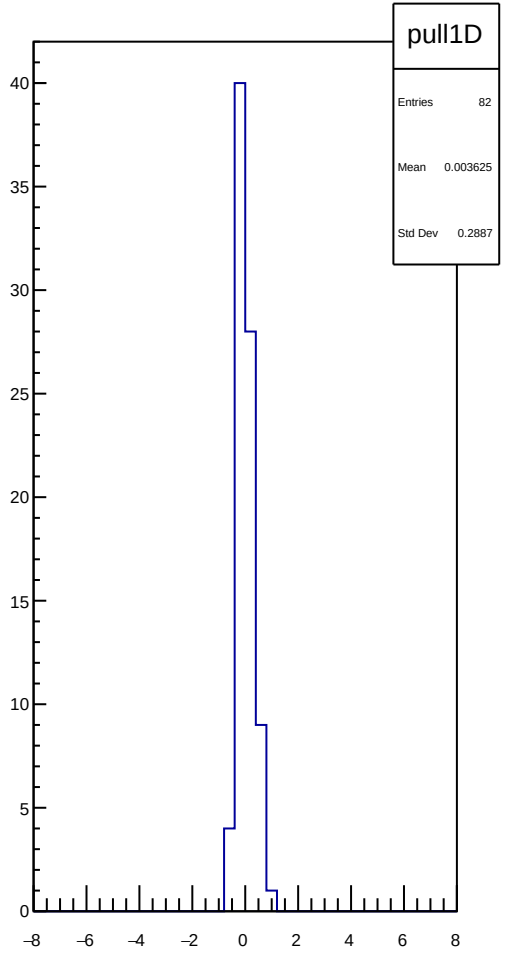

pull1D
Entries 82
Mean 0.004047
Std Dev 0.3804

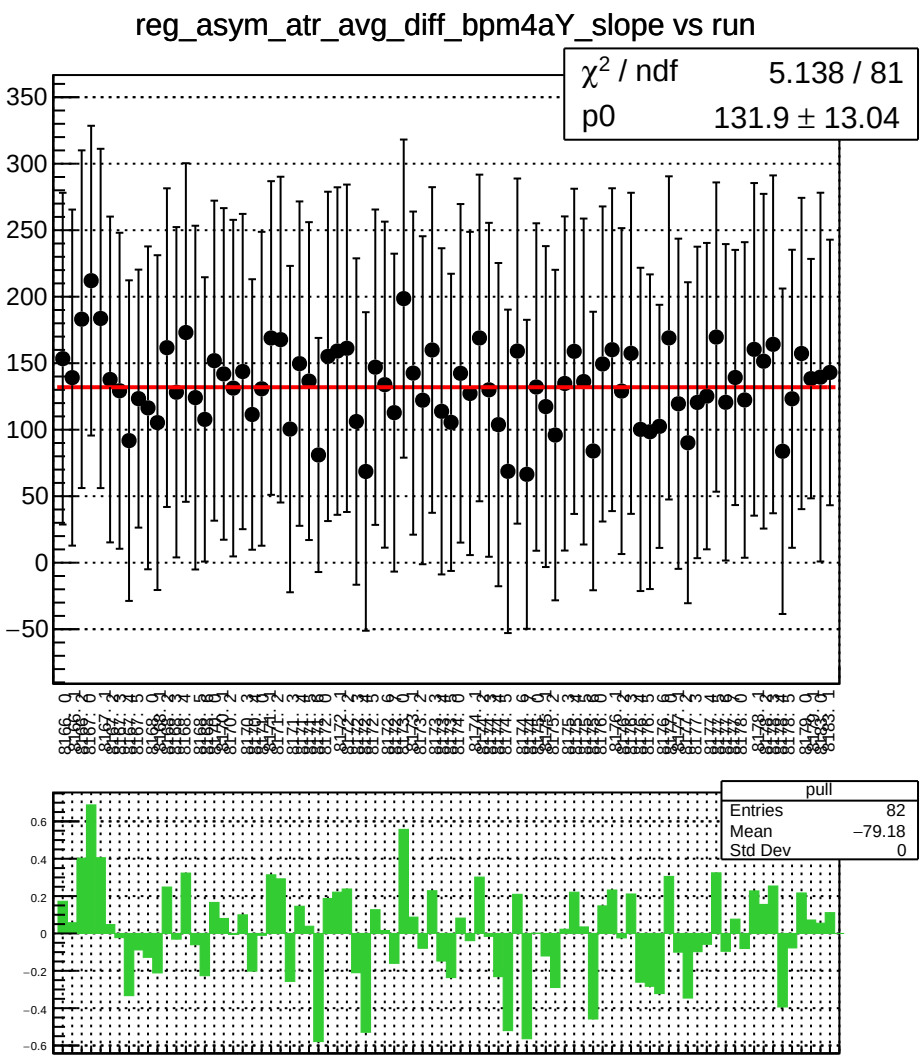

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 10.64 / 81
p0 12.56 ± 7.586
150
100
50
0
−50
−100
pull
Entries 82
Mean 3411
Std Dev 0
1
0.5
0
−0.5
−1

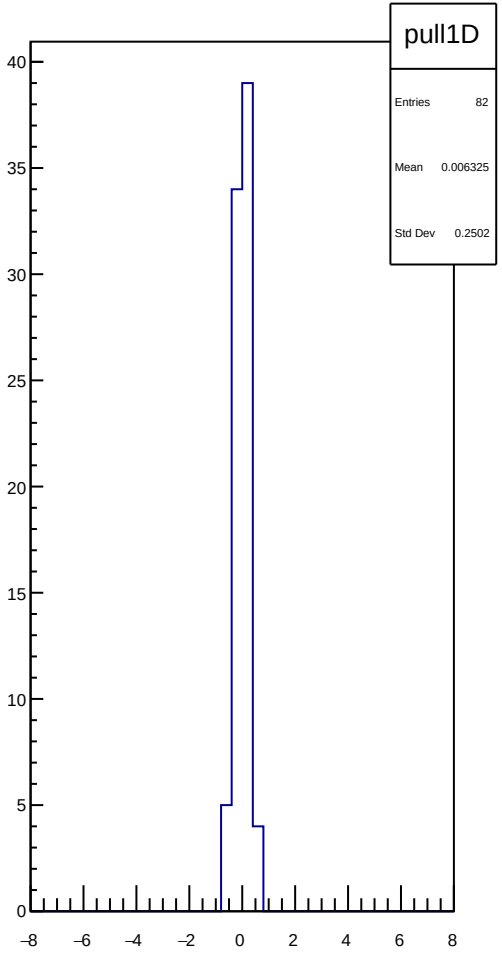

pull1D
Entries 82
Mean −0.0004054
Std Dev 0.3602
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

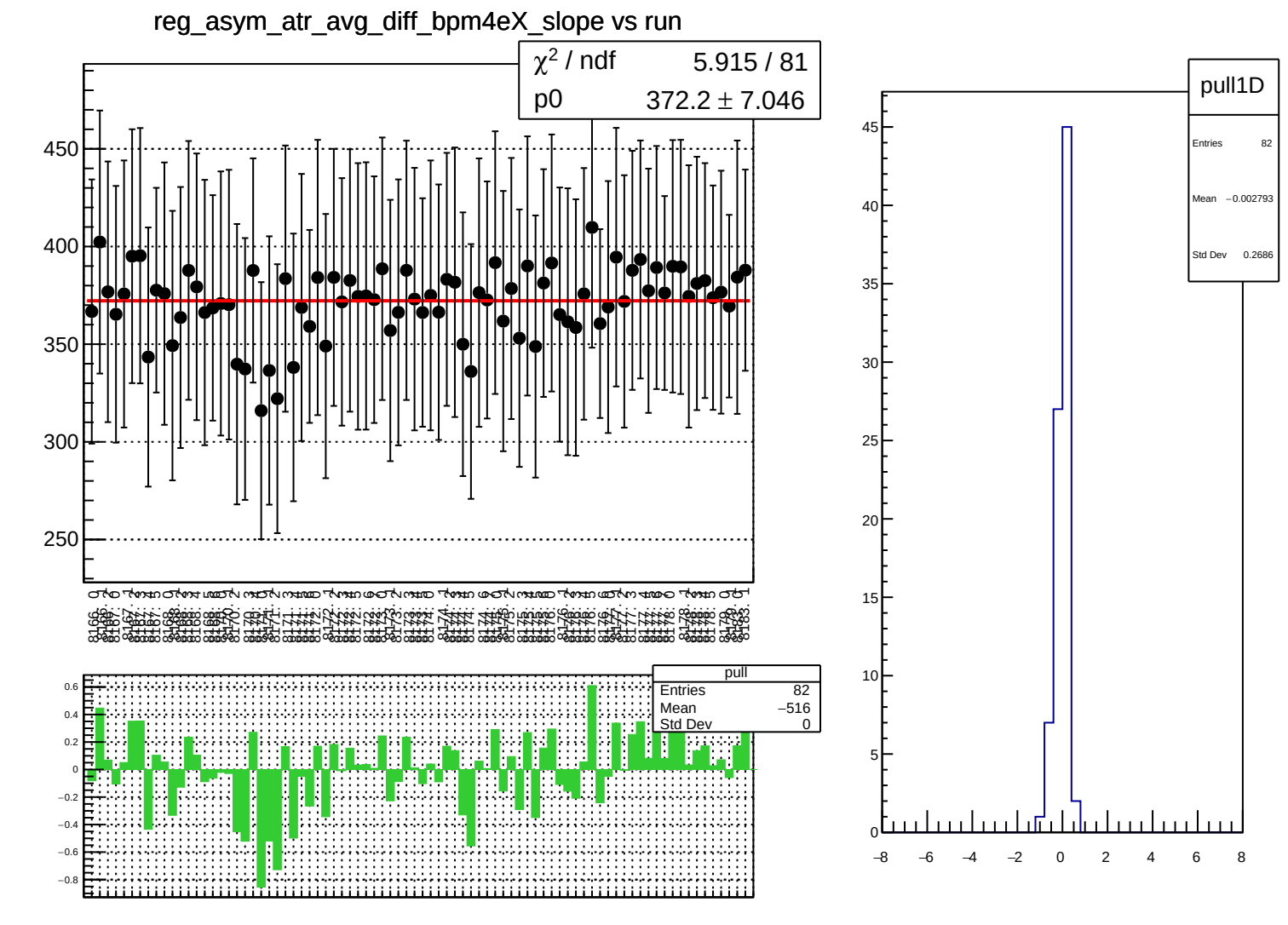

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 15.06 / 81
p0 133.5 ± 0.3538
142
140
138
136
134
132
130
128
126
pull
Entries 82
Mean −860.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean 0.004985
Std Dev 0.4285
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

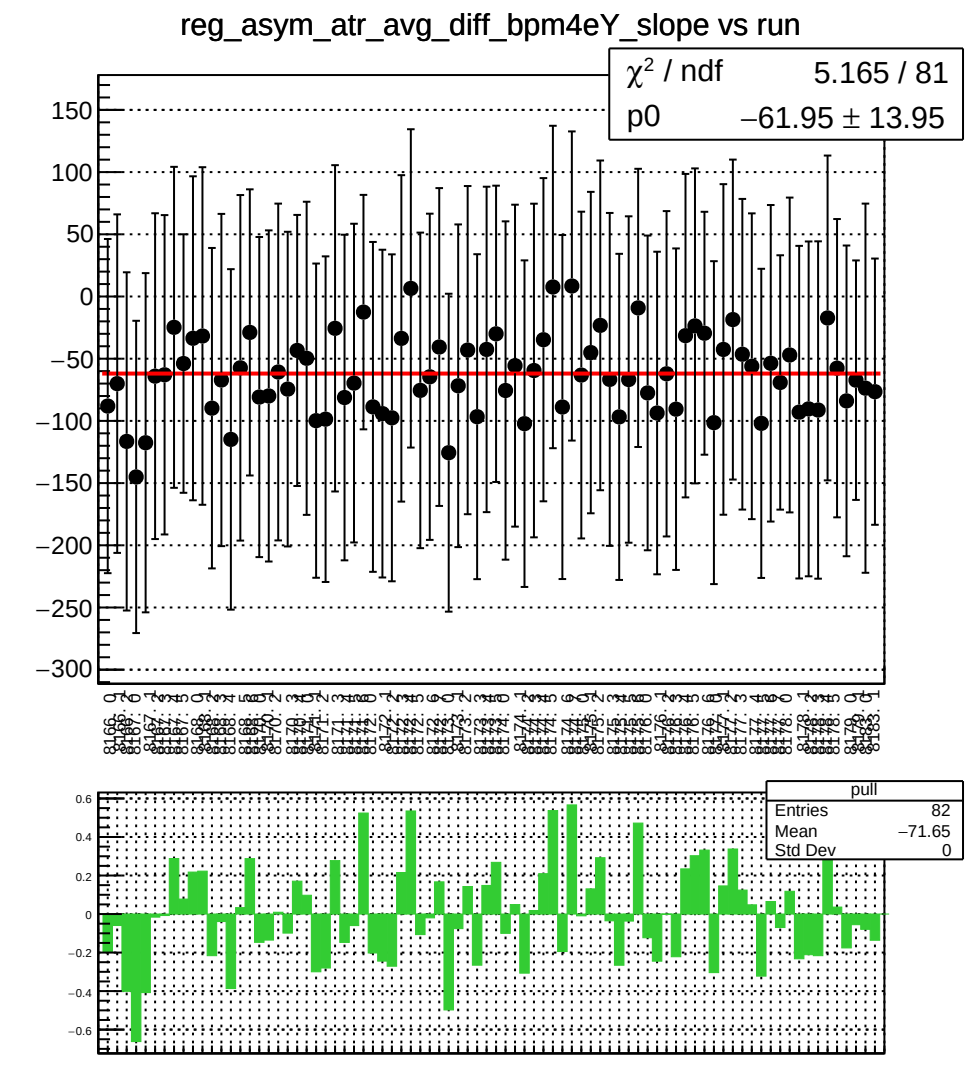

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 6.835 / 81
p0 −396 ± 7.029
−250
−300
−350
−400
−450
−500
pull
Entries 82
Mean −478.8
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

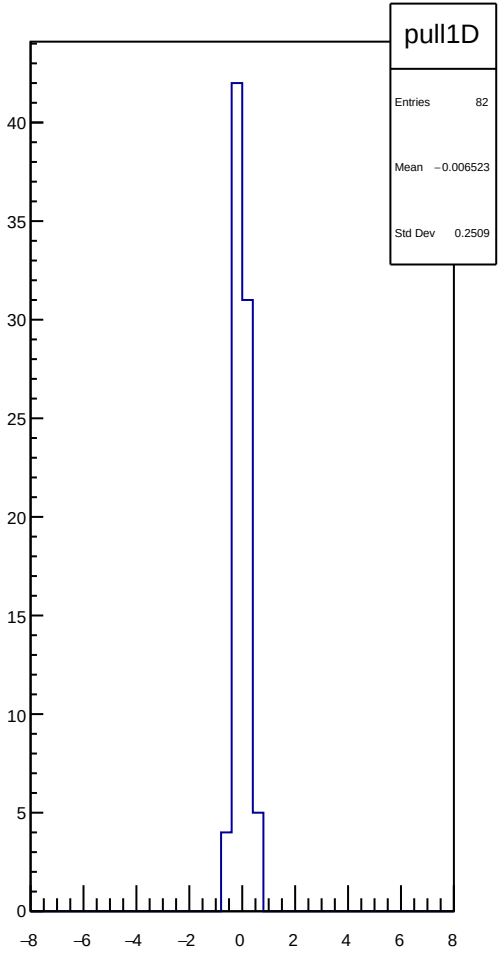

pull1D
Entries 82
Mean 0.003625
Std Dev 0.2887
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

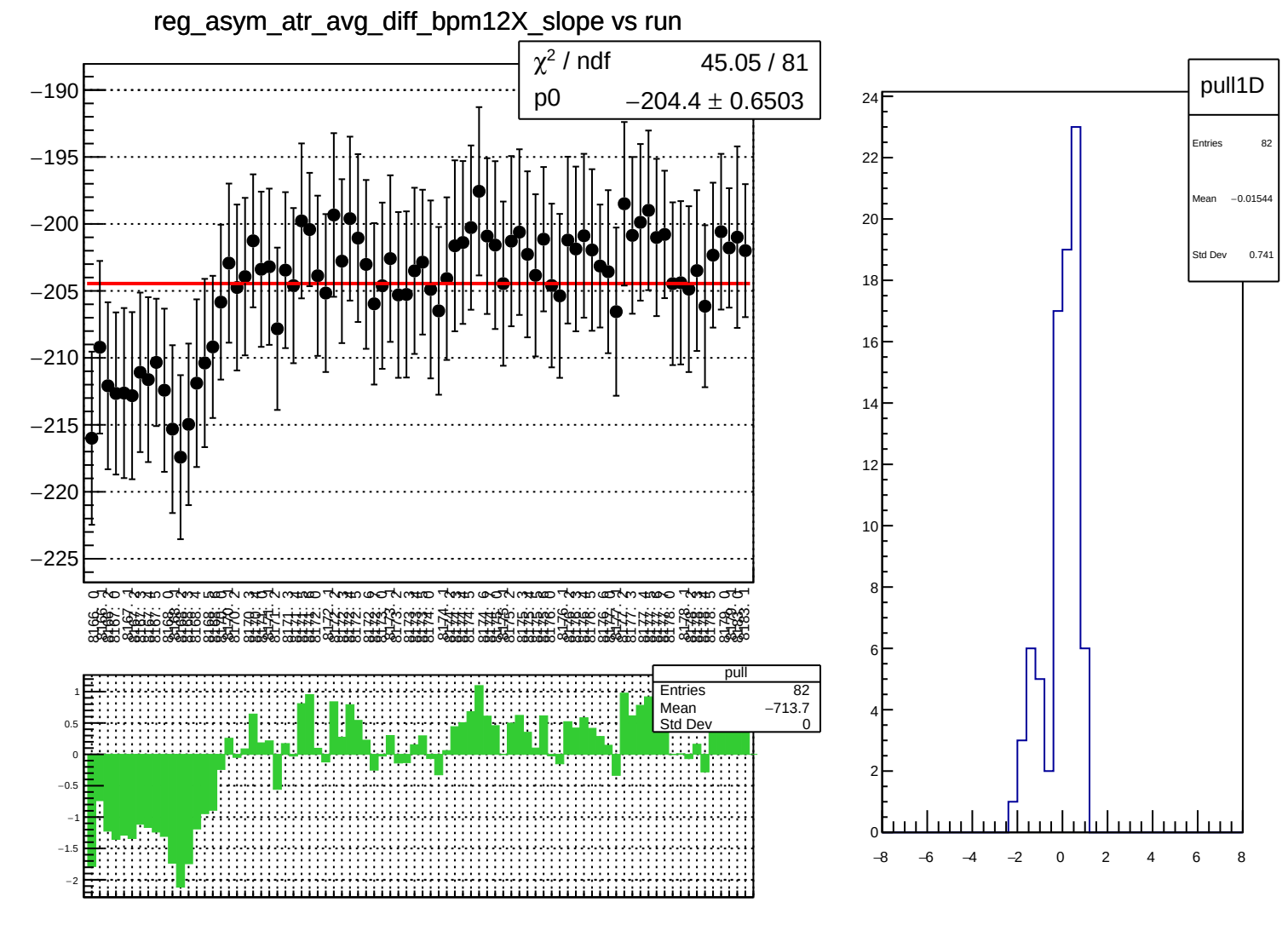

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.138 / 81
p0 131.9 ± 13.04
pull
Entries 82
Mean −79.18
Std Dev 0

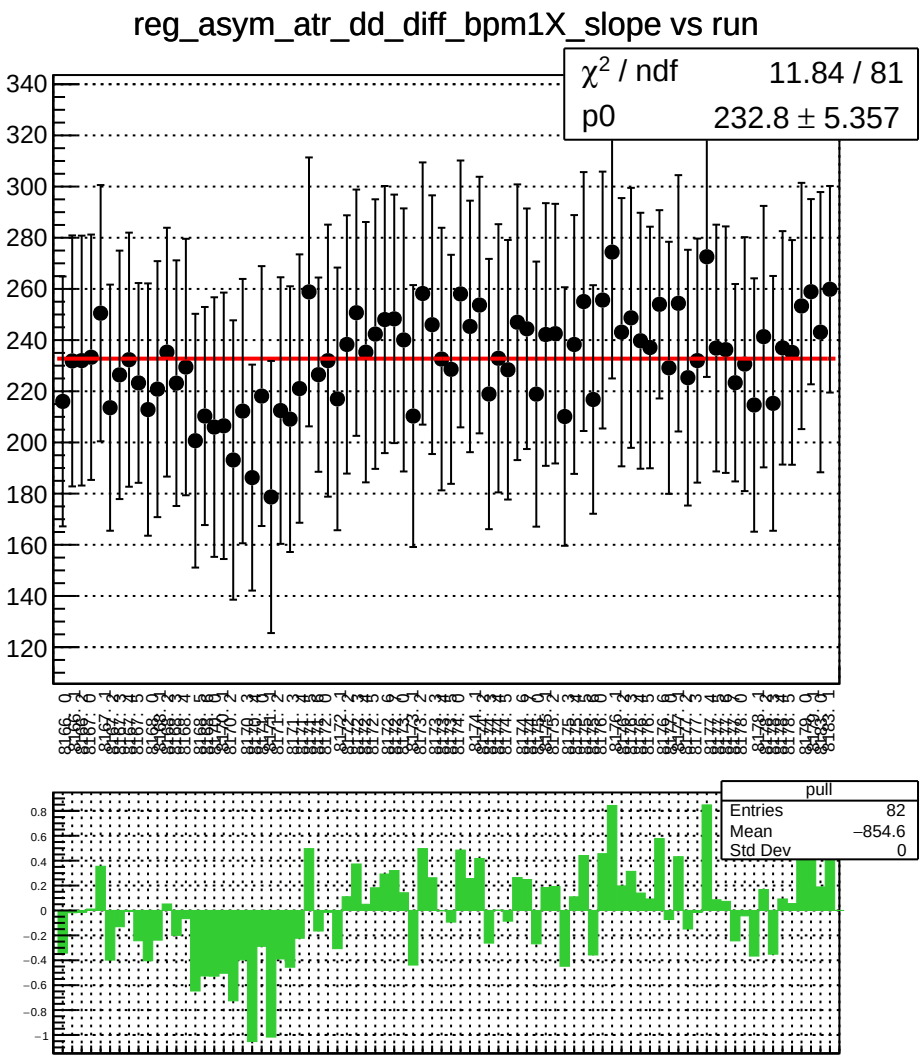

pull1D
Entries 82
Mean 0.006325
Std Dev 0.2502

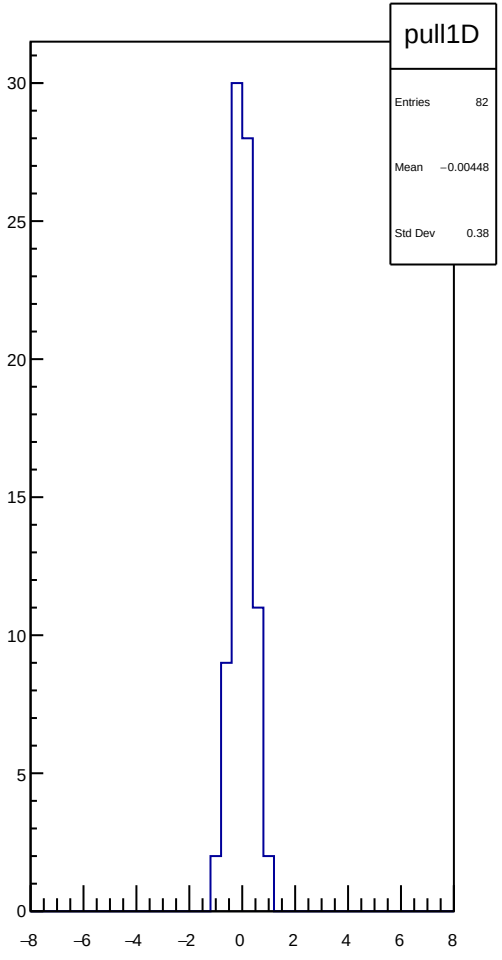

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.915 / 81
p0 372.2 ± 7.046
pull
Entries 82
Mean −516
Std Dev 0
pull1D
Entries 82
Mean −0.002793
Std Dev 0.2686

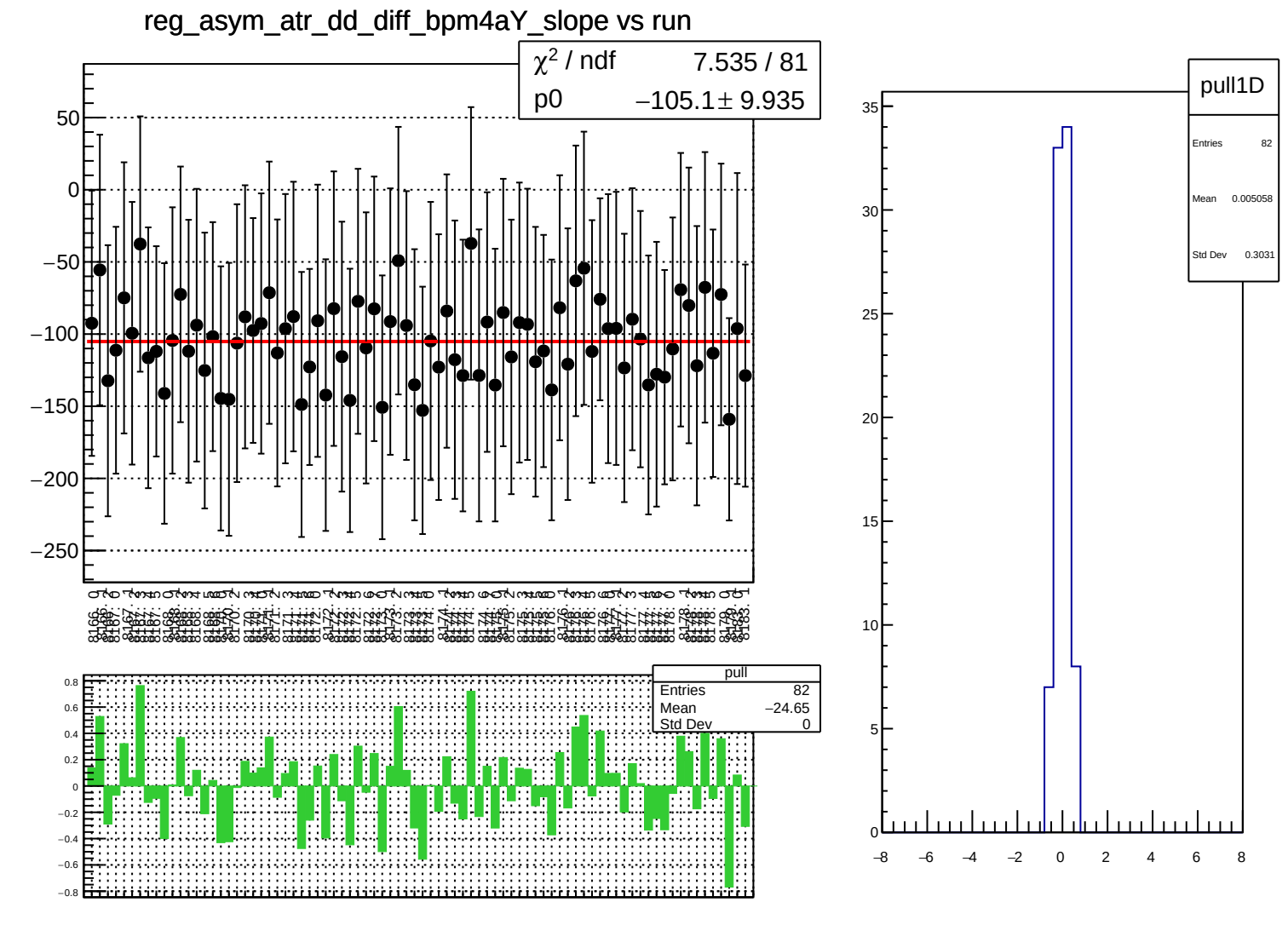

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.165 / 81
p0 −61.95 ± 13.95
pull
Entries 82
Mean −71.65
Std Dev 0

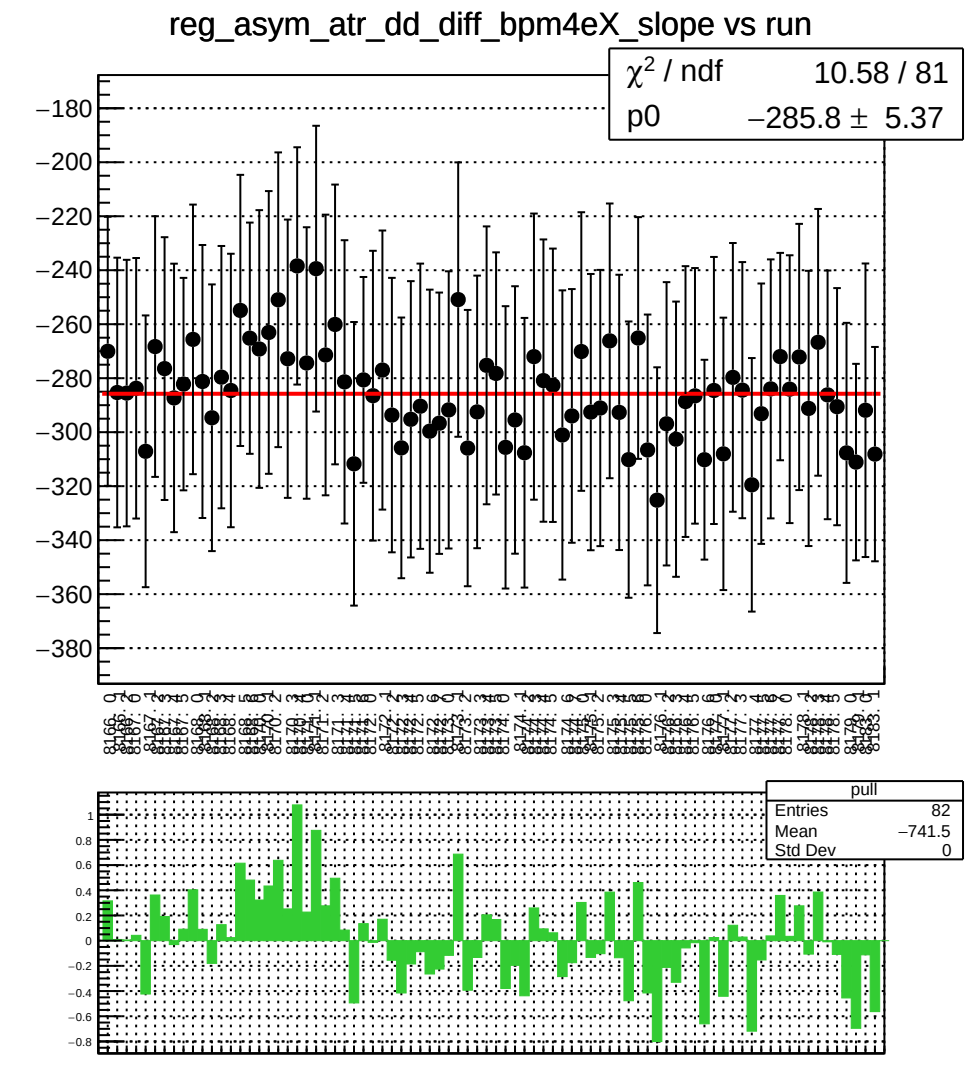

pull1D
Entries 82
Mean −0.006523
Std Dev 0.2509

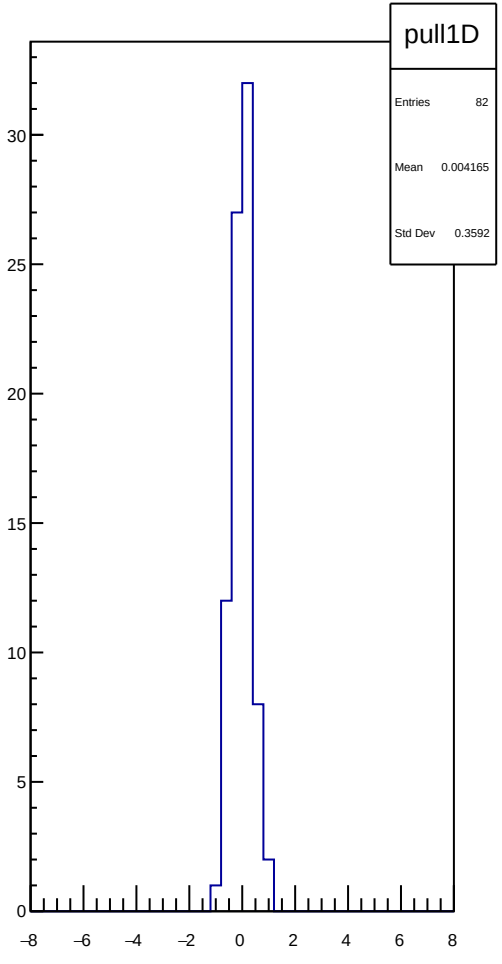

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 45.05 / 81
p0 −204.4 ± 0.6503
pull
Entries 82
Mean −713.7
Std Dev 0
pull1D
Entries 82
Mean −0.01544
Std Dev 0.741

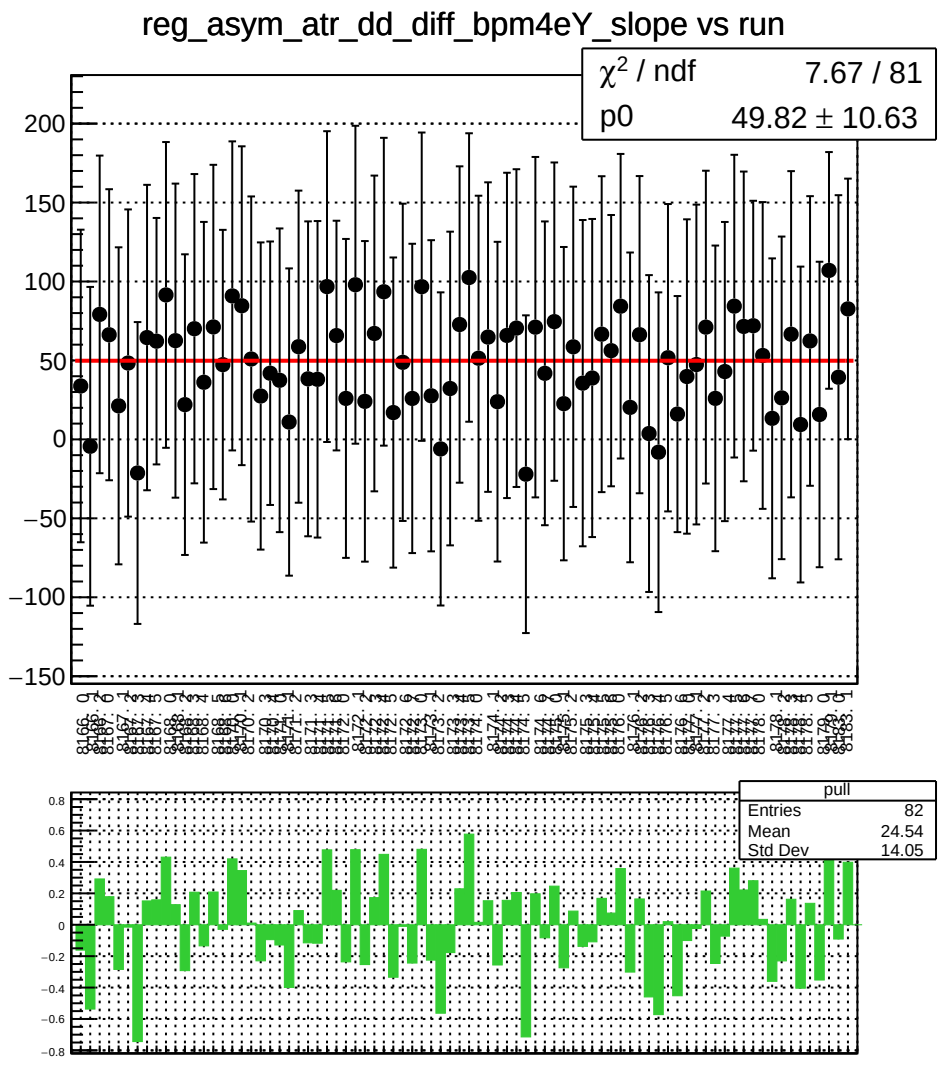

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 11.84 / 81
p0 232.8 ± 5.357
pull
Entries 82
Mean −854.6
Std Dev 0

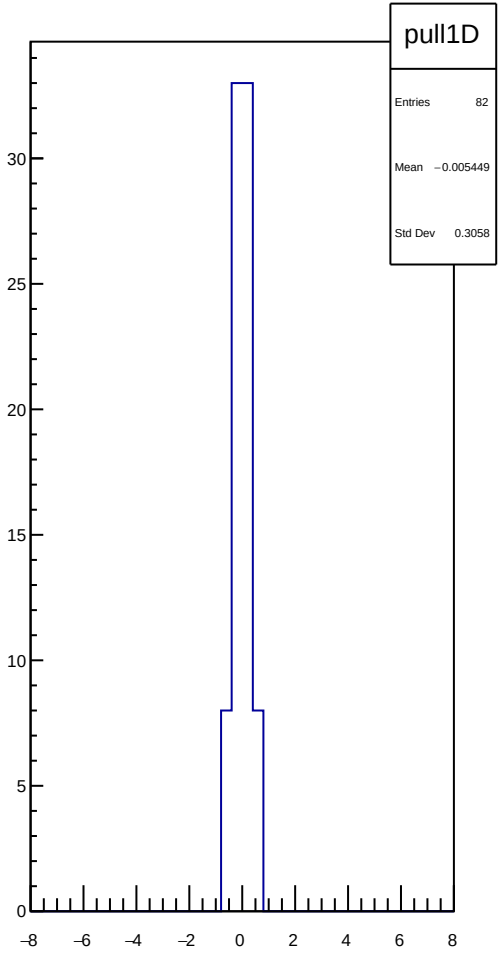

pull1D
Entries 82
Mean −0.00448
Std Dev 0.38

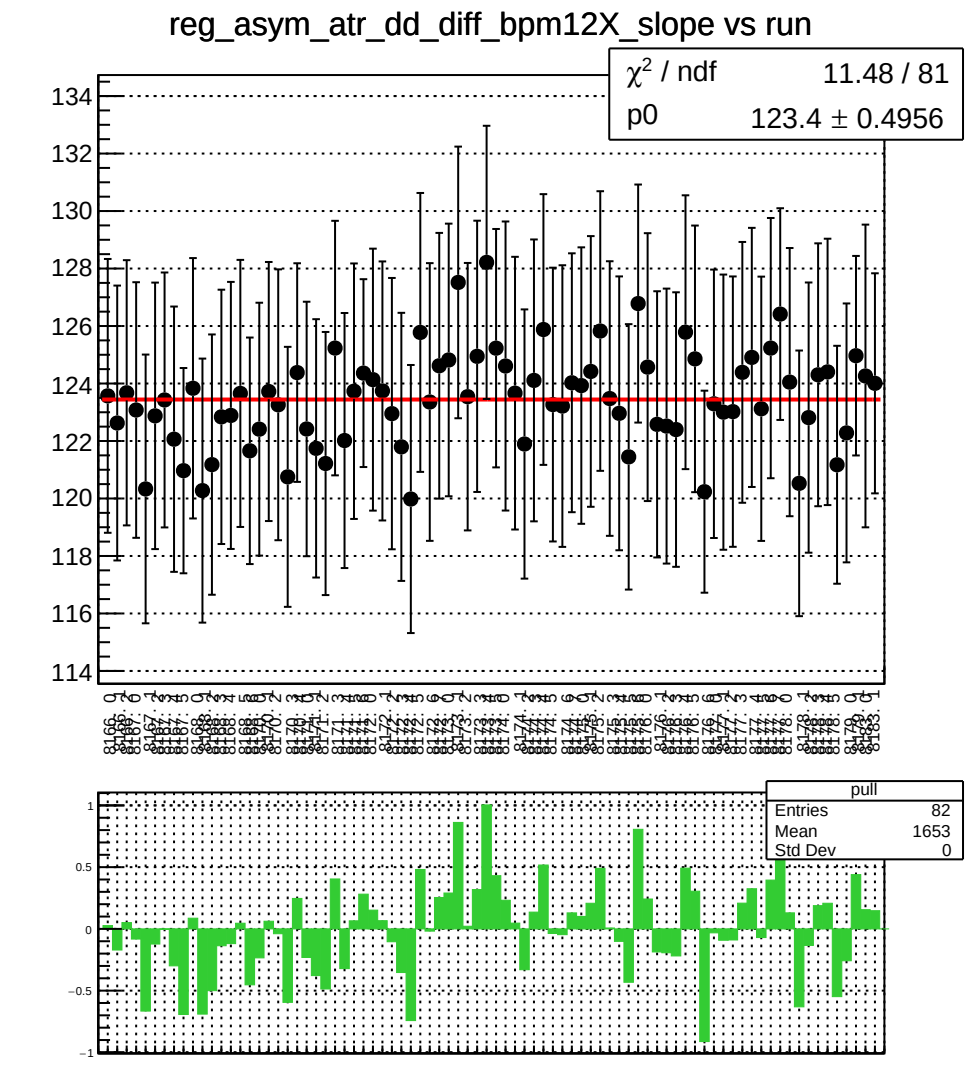

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.535 / 81
p0 −105.1± 9.935
pull
Entries 82
Mean −24.65
Std Dev 0
pull1D
Entries 82
Mean 0.005058
Std Dev 0.3031

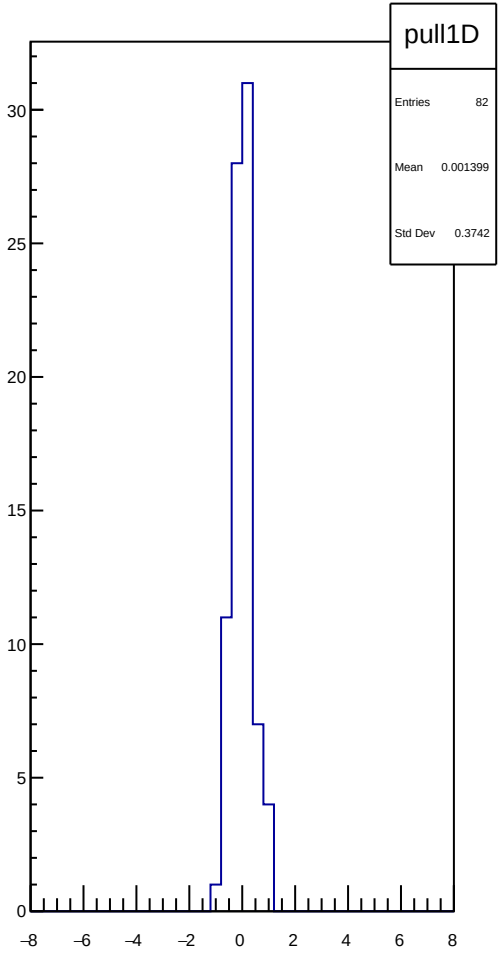

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.58 / 81
p0 −285.8 ± 5.37
pull
Entries 82
Mean −741.5
Std Dev 0

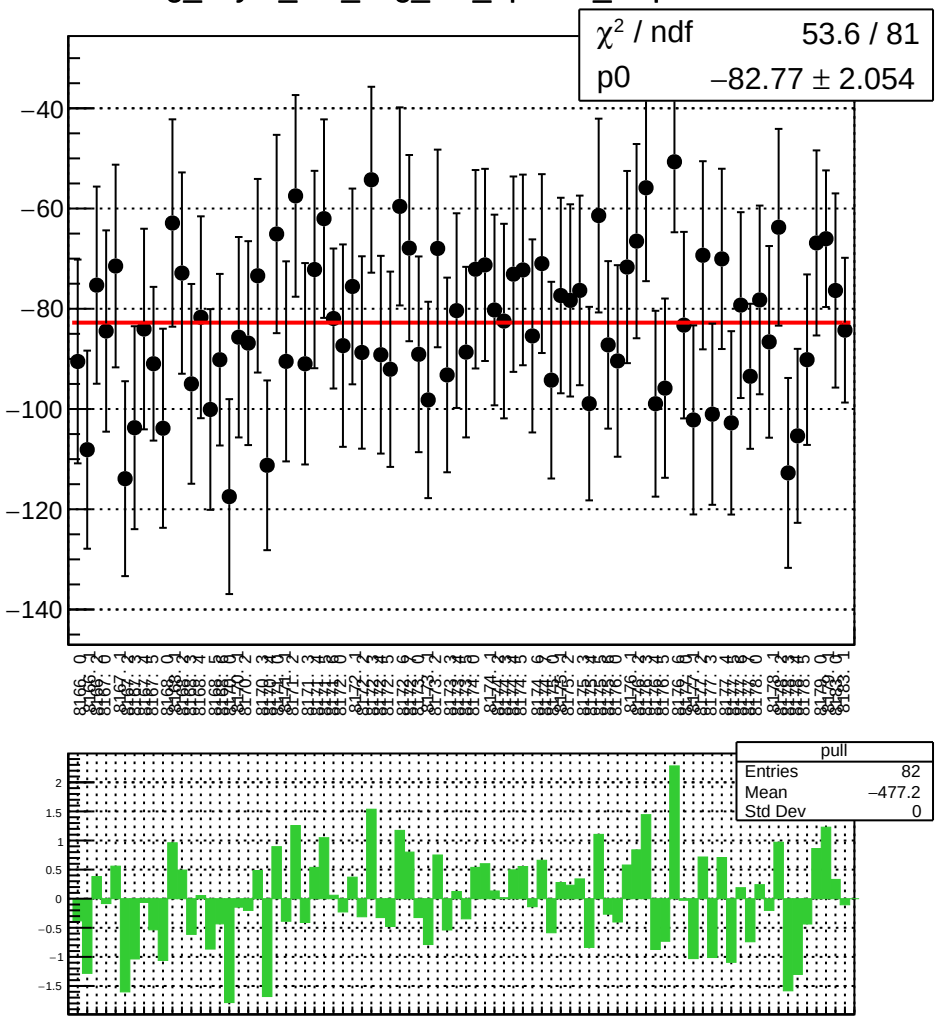

pull1D
Entries 82
Mean 0.004165
Std Dev 0.3592

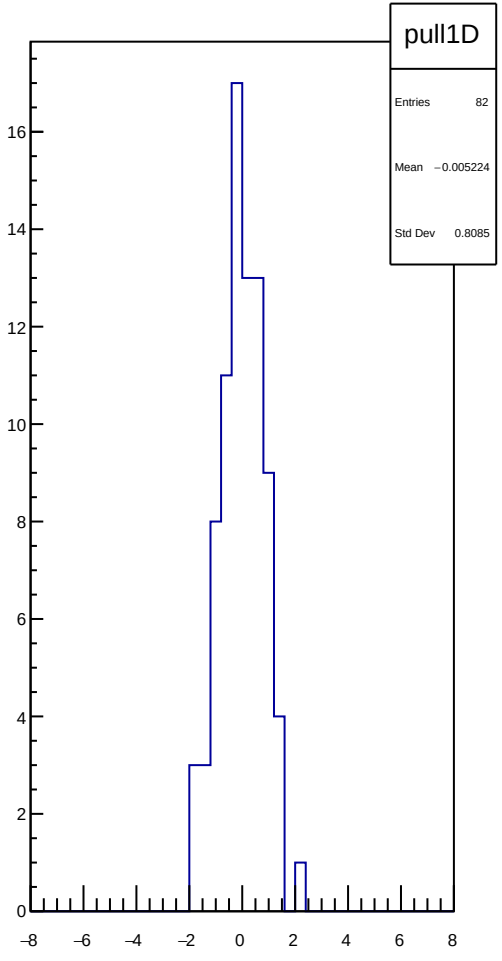

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.67 / 81
p0 49.82 ± 10.63
pull
Entries 82
Mean 24.54
Std Dev 14.05

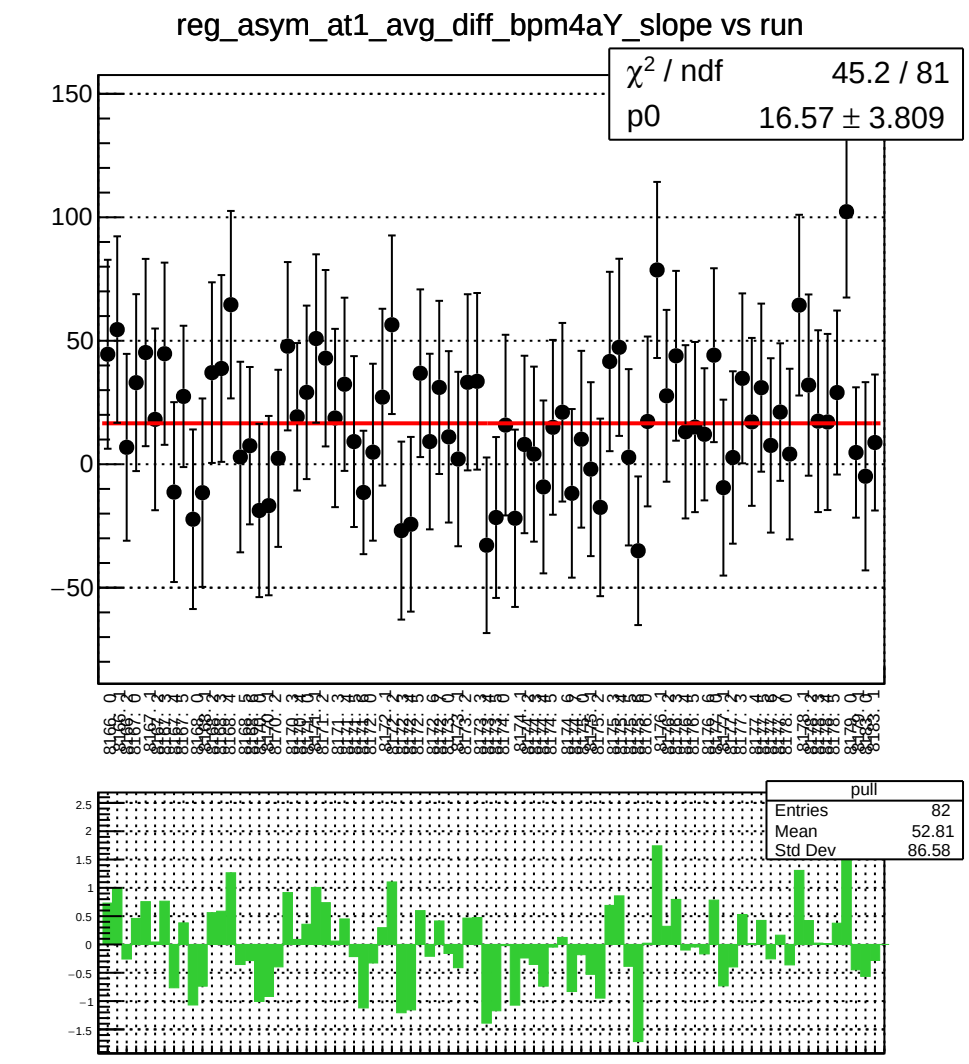

pull1D
Entries 82
Mean −0.005449
Std Dev 0.3058

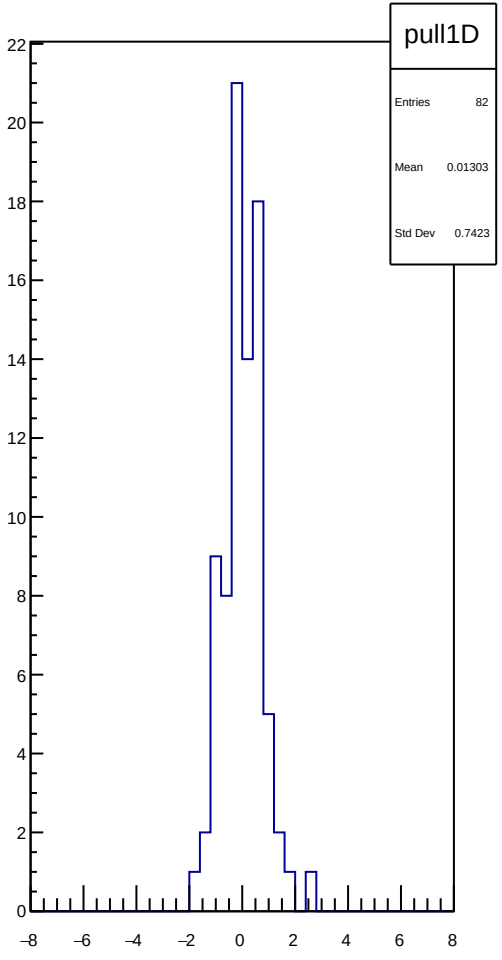

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 11.48 / 81
p0 123.4 ± 0.4956
pull
Entries 82
Mean 1653
Std Dev 0

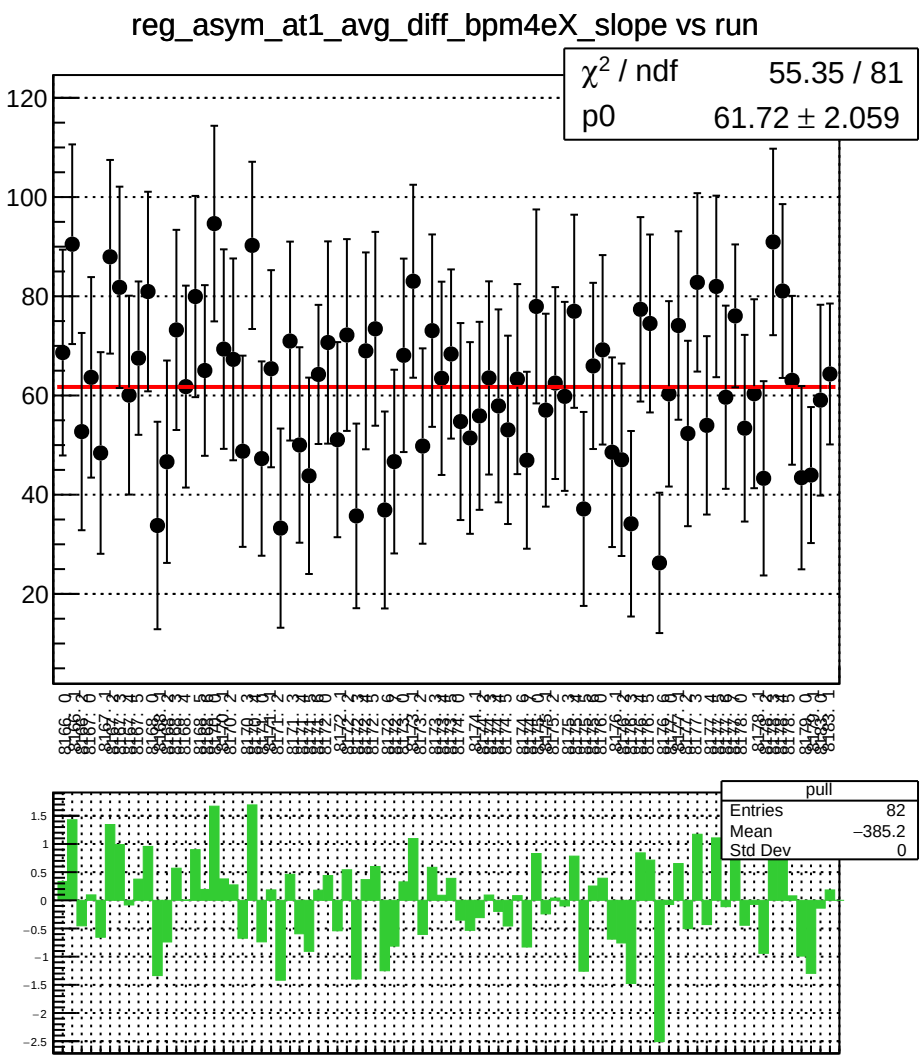

pull1D
Entries 82
Mean 0.001399
Std Dev 0.3742

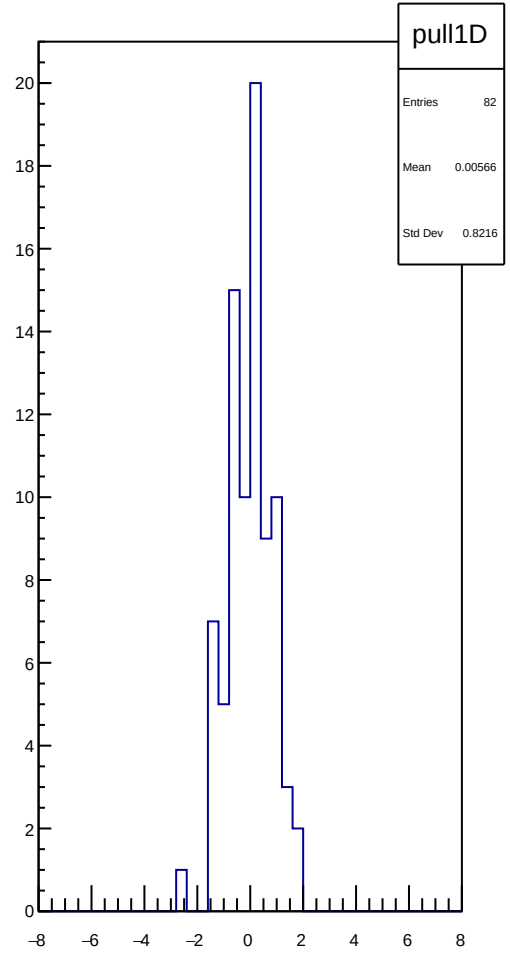

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 53.6 / 81
p0 −82.77 ± 2.054
pull
Entries 82
Mean −477.2
Std Dev 0

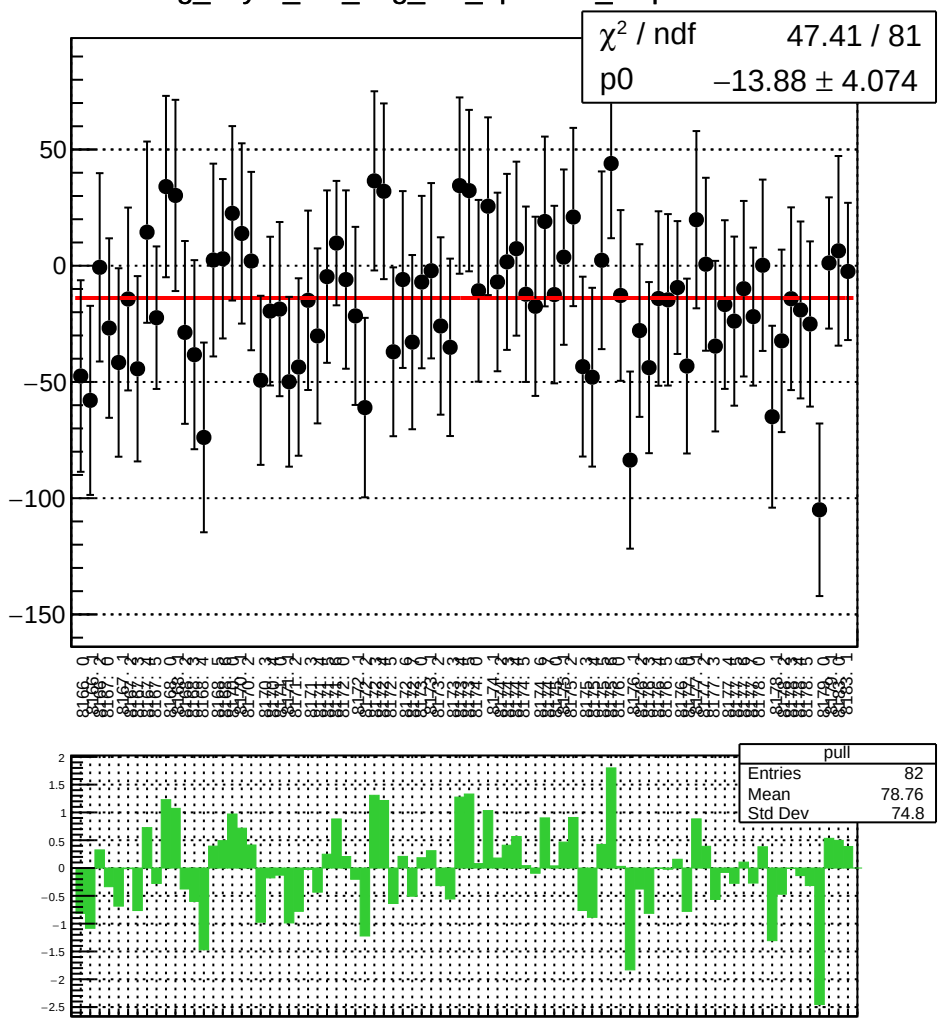

pull1D
Entries 82
Mean −0.005224
Std Dev 0.8085

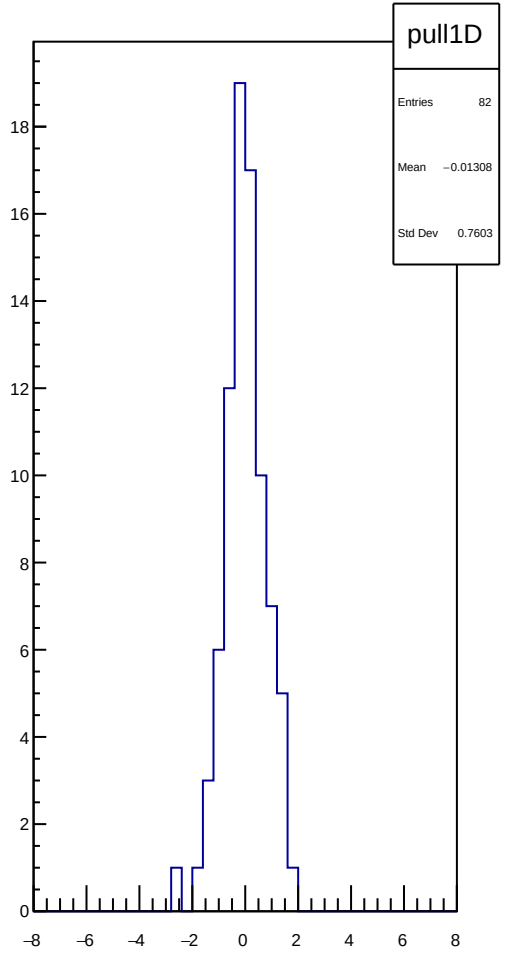

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.2 / 81
p0 16.57 ± 3.809
150
100
50
0
−50
pull
Entries 82
Mean 52.81
Std Dev 86.58
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

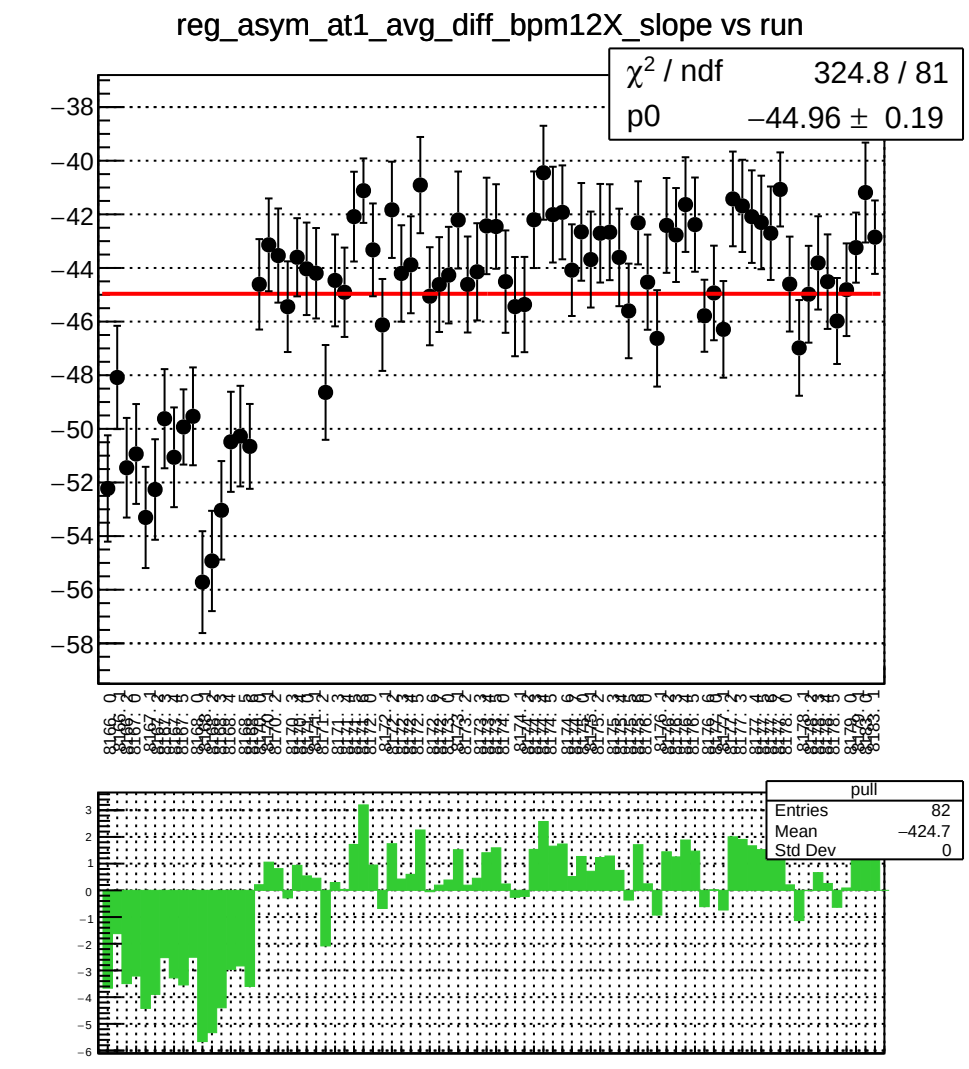

pull1D
Entries 82
Mean 0.01303
Std Dev 0.7423
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

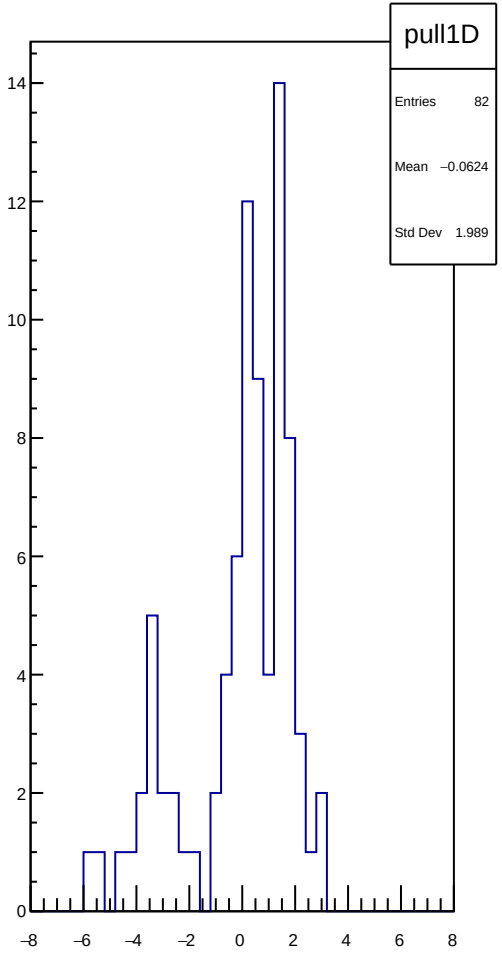

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.35 / 81
p0 61.72 ± 2.059
pull
Entries 82
Mean −385.2
Std Dev 0

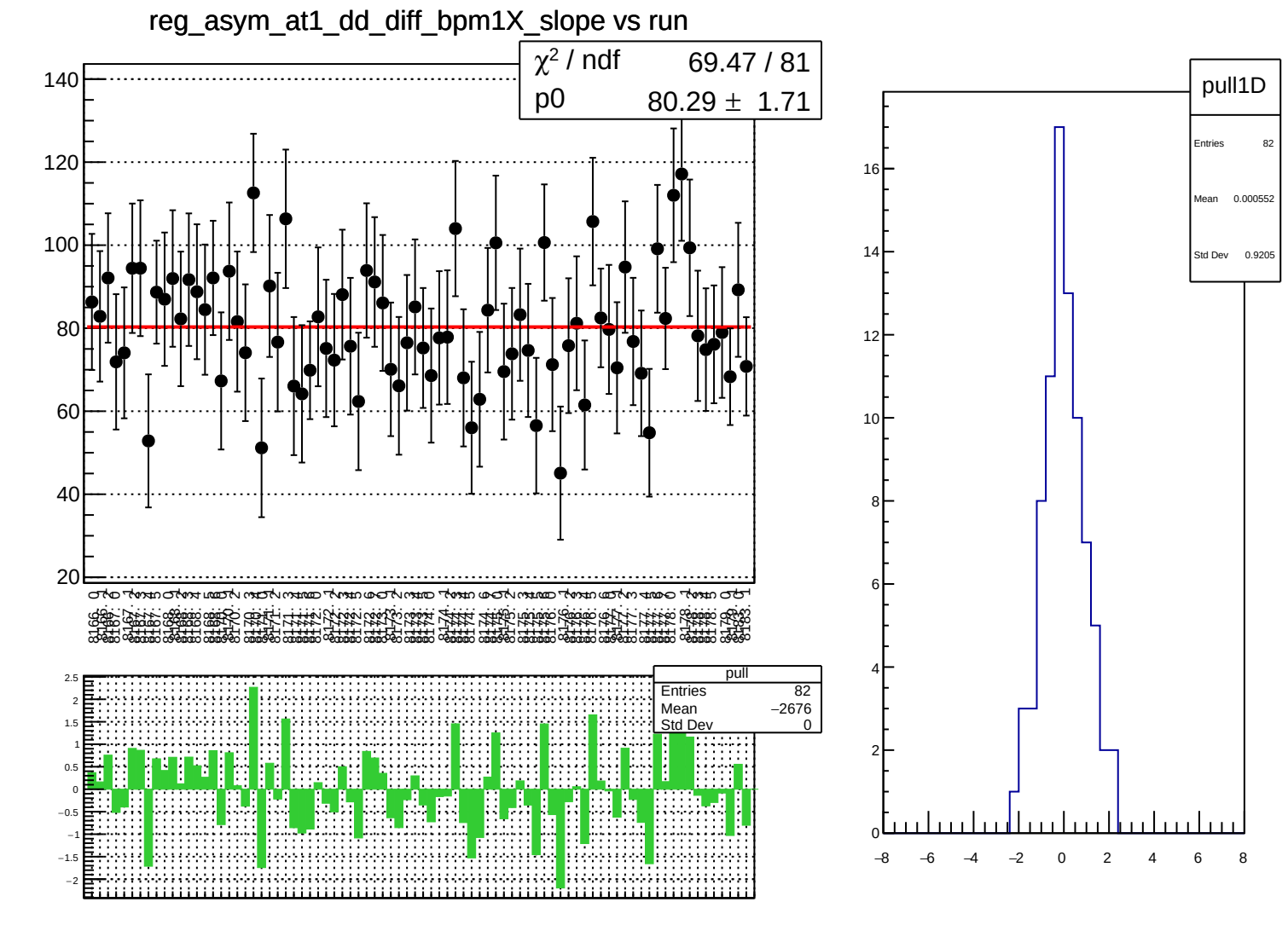

pull1D
Entries 82
Mean 0.00566
Std Dev 0.8216

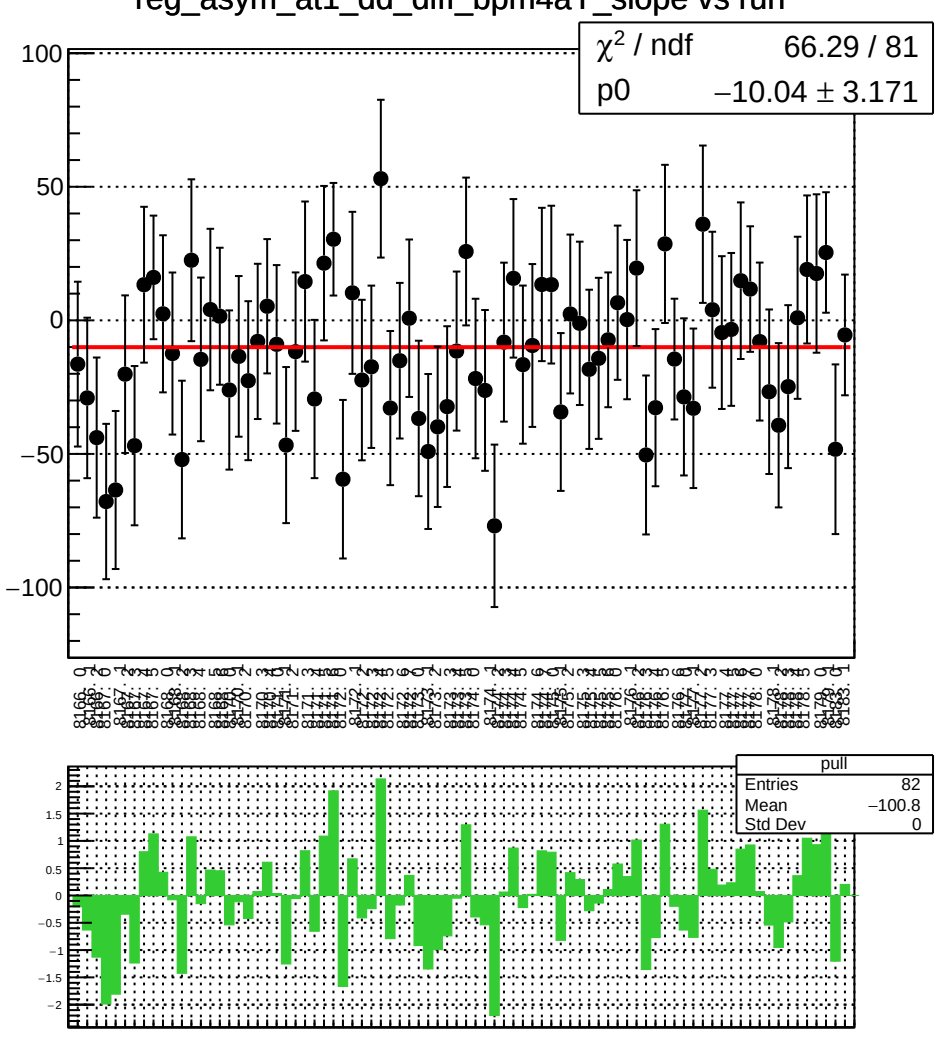

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.41 / 81
p0 −13.88 ± 4.074
50
0
−50
−100
−150
pull
Entries 82
Mean 78.76
Std Dev 74.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

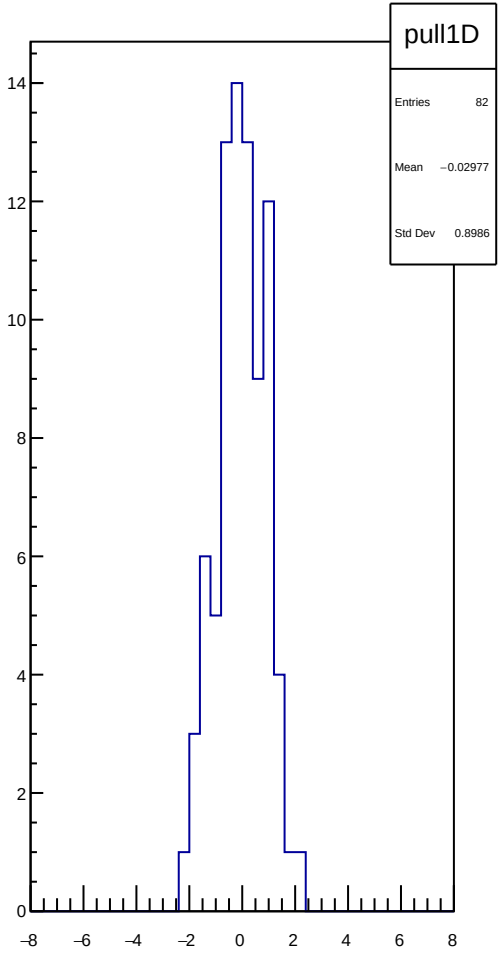

pull1D
Entries 82
Mean −0.01308
Std Dev 0.7603
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

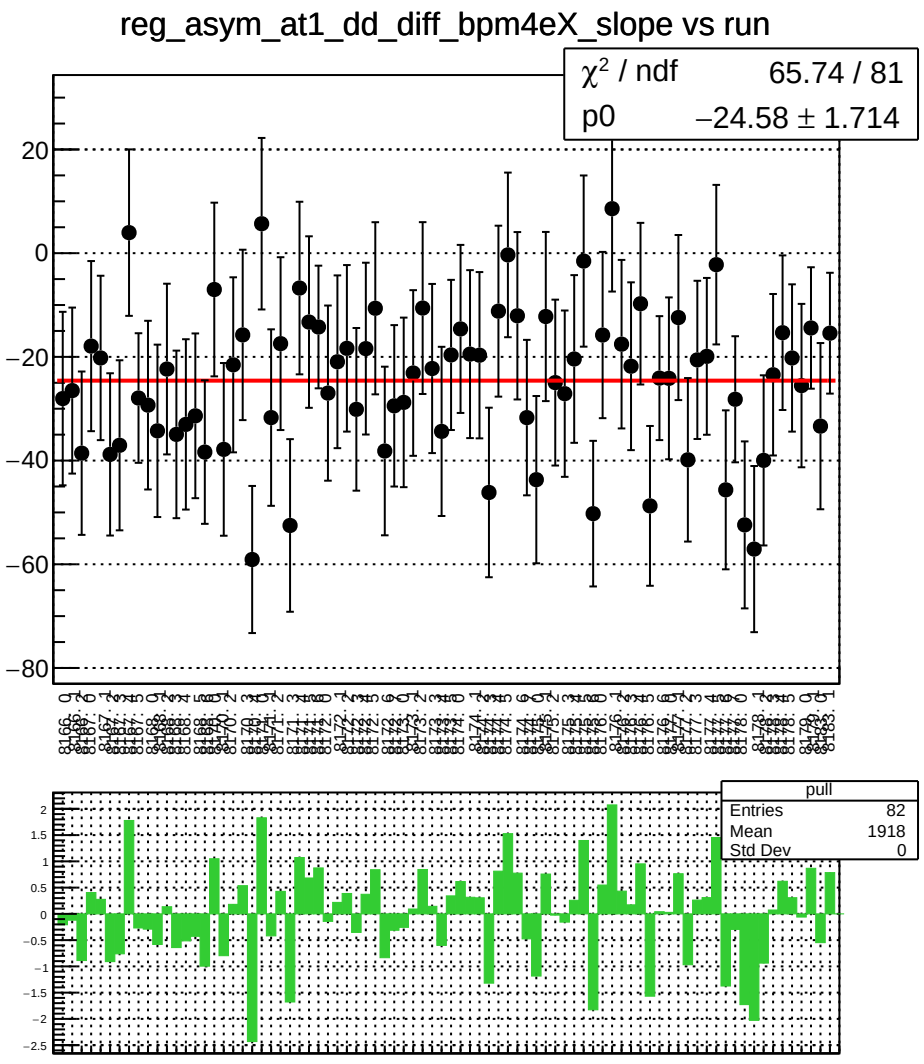

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 324.8 / 81
p0 −44.96 ± 0.19
pull
Entries 82
Mean −424.7
Std Dev 0

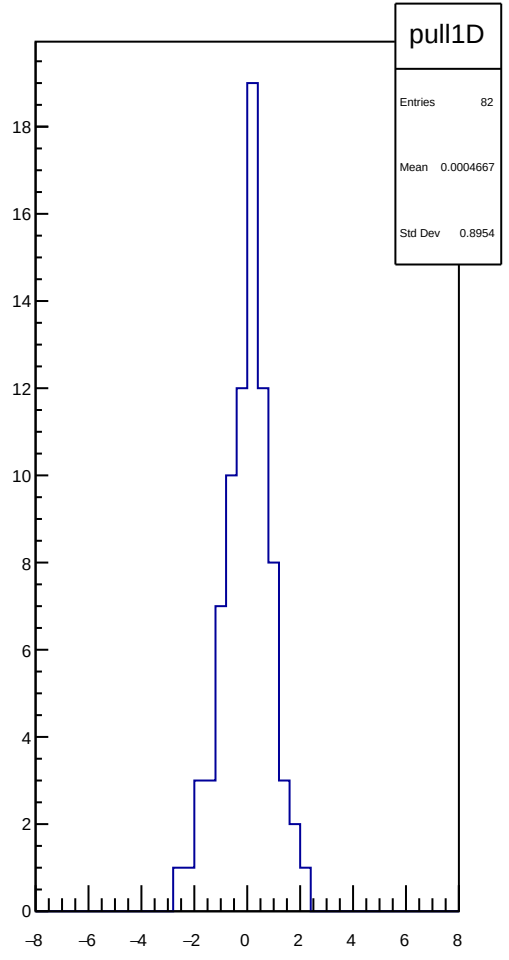

pull1D
Entries 82
Mean −0.0624
Std Dev 1.989

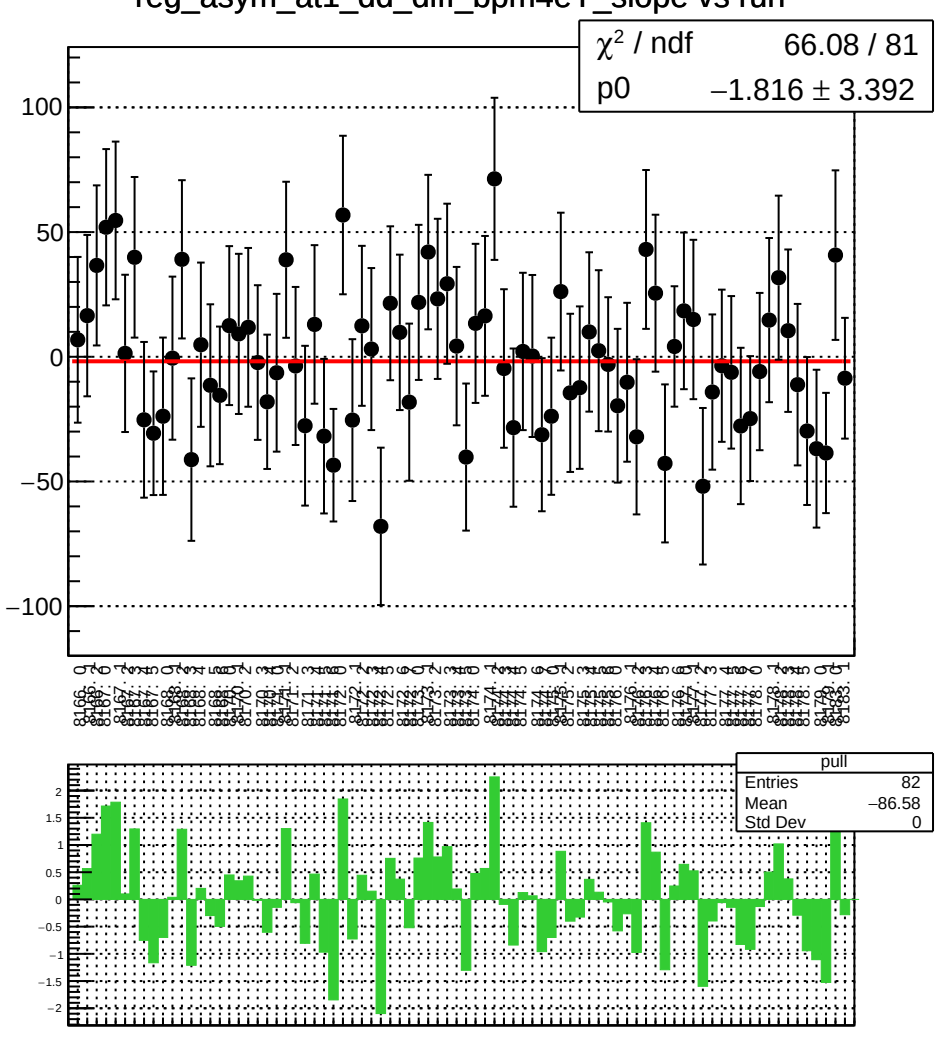

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 69.47 / 81
p0 80.29 ± 1.71
pull
Entries 82
Mean −2676
Std Dev 0
pull1D
Entries 82
Mean 0.000552
Std Dev 0.9205

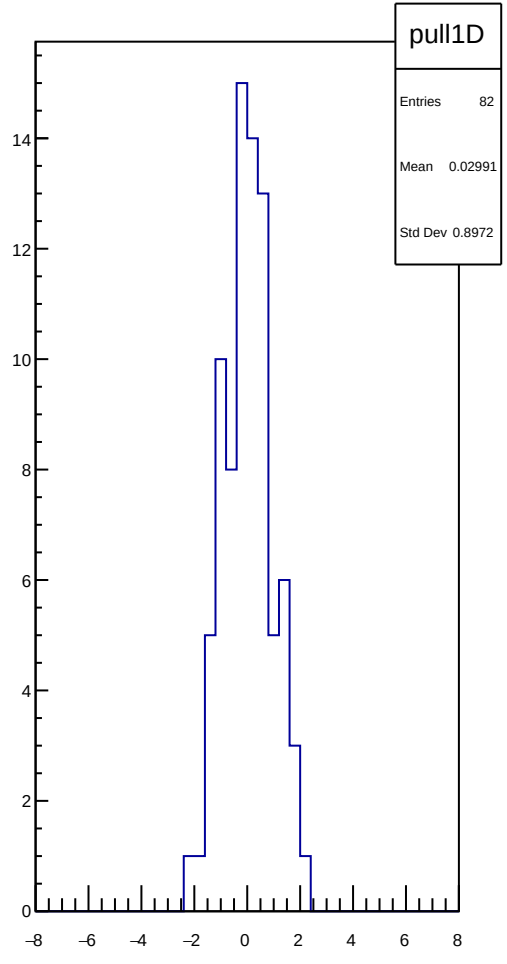

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.29 / 81
p0 −10.04 ± 3.171
pull
Entries 82
Mean −100.8
Std Dev 0

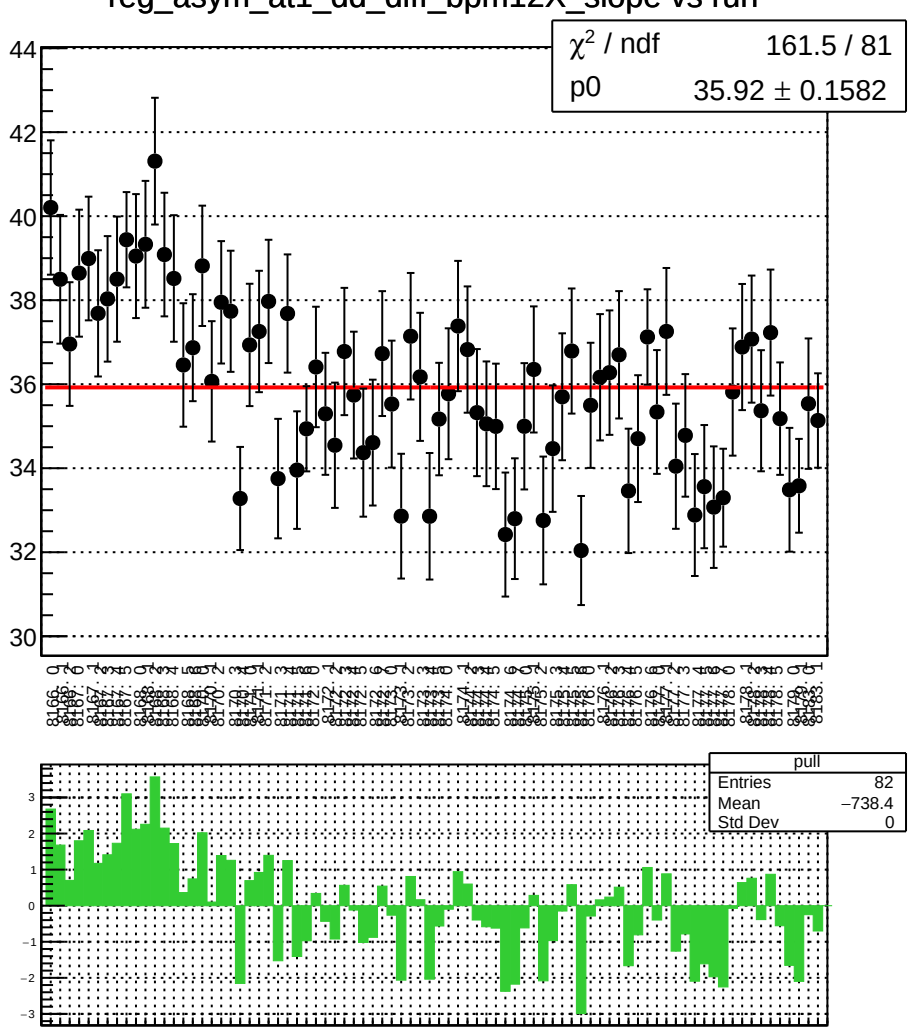

pull1D
Entries 82
Mean −0.02977
Std Dev 0.8986

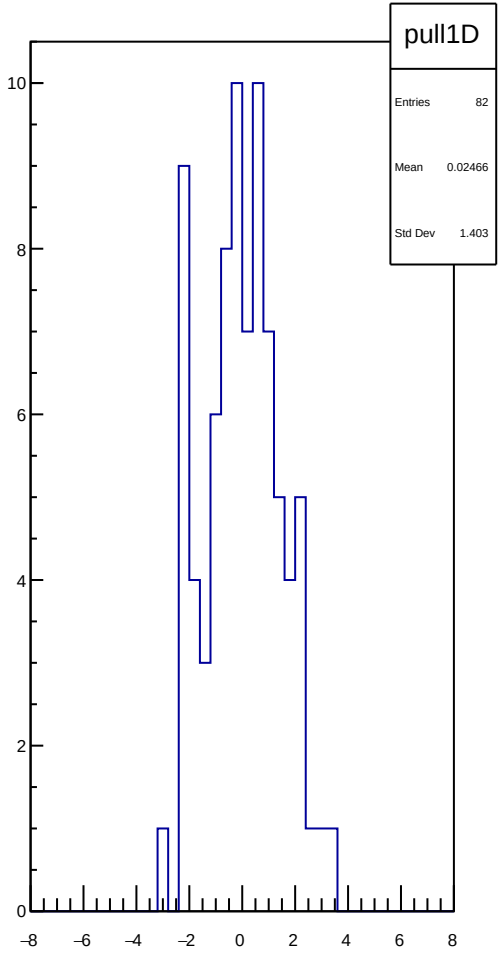

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.74 / 81
p0 −24.58 ± 1.714
pull
Entries 82
Mean 1918
Std Dev 0

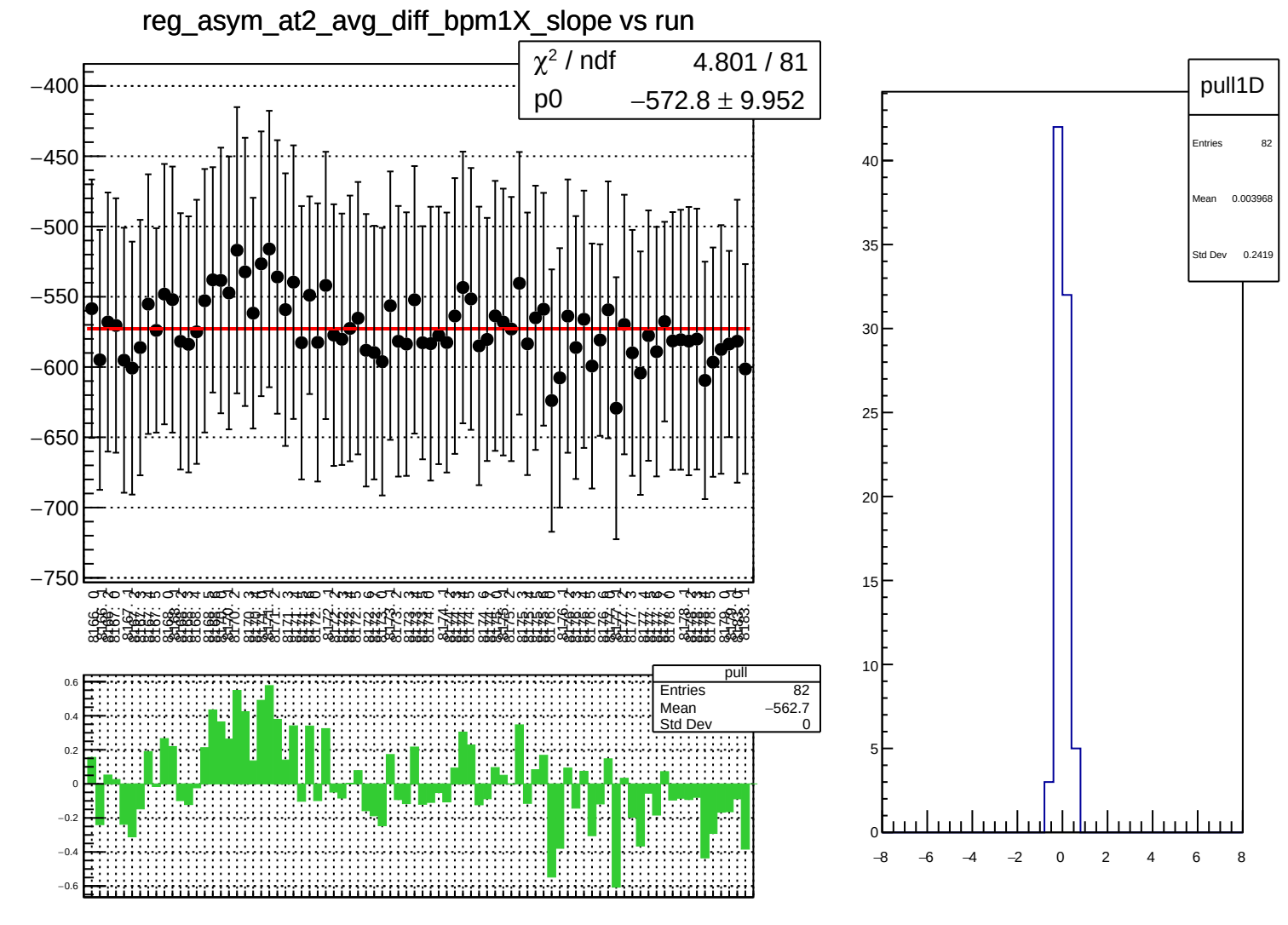

pull1D
Entries 82
Mean 0.0004667
Std Dev 0.8954

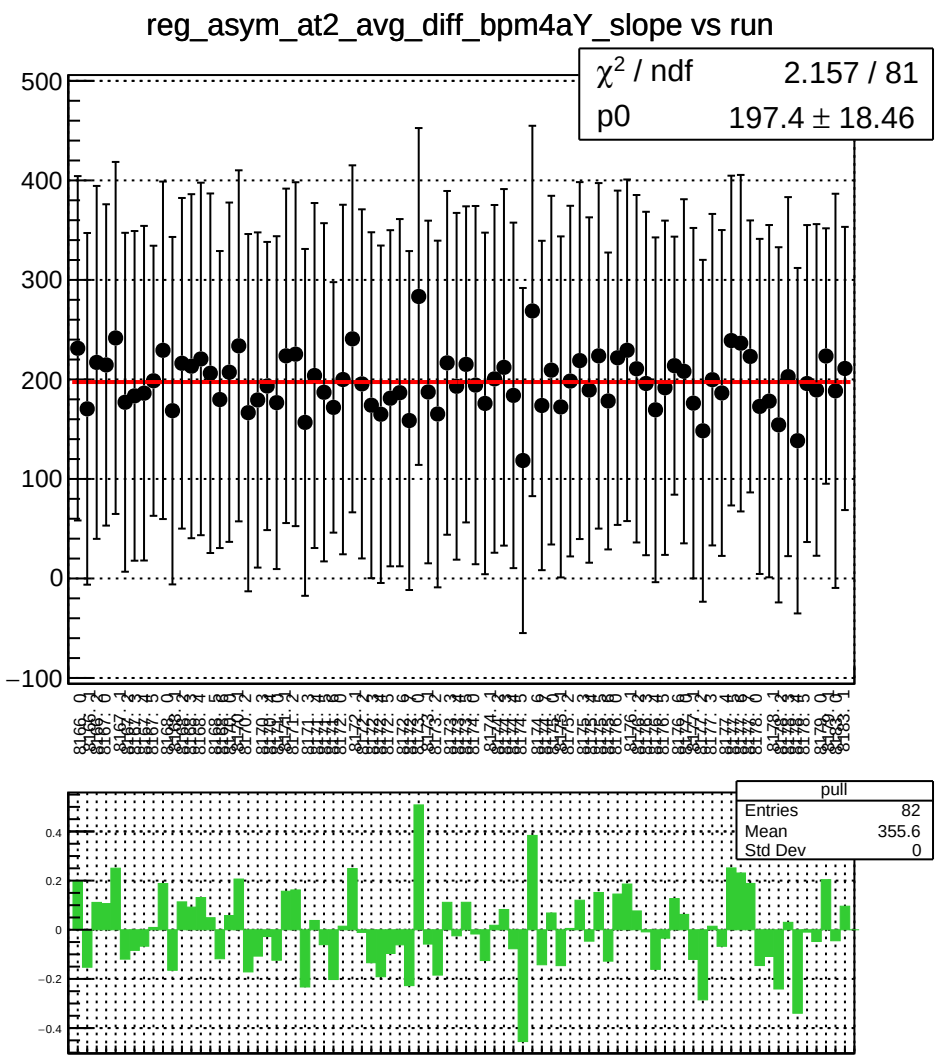

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.08 / 81
p0 −1.816 ± 3.392
100
50
0
−50
−100
pull
Entries 82
Mean −86.58
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

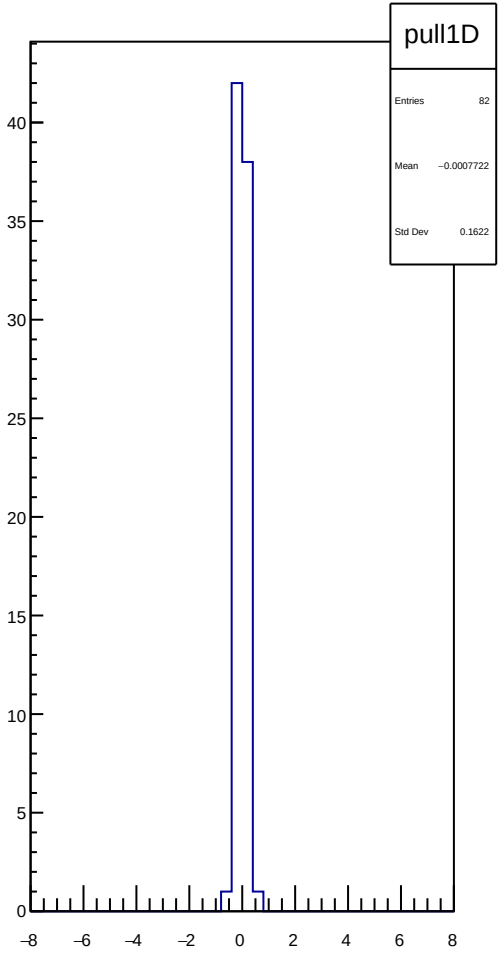

pull1D
Entries 82
Mean 0.02991
Std Dev 0.8972
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

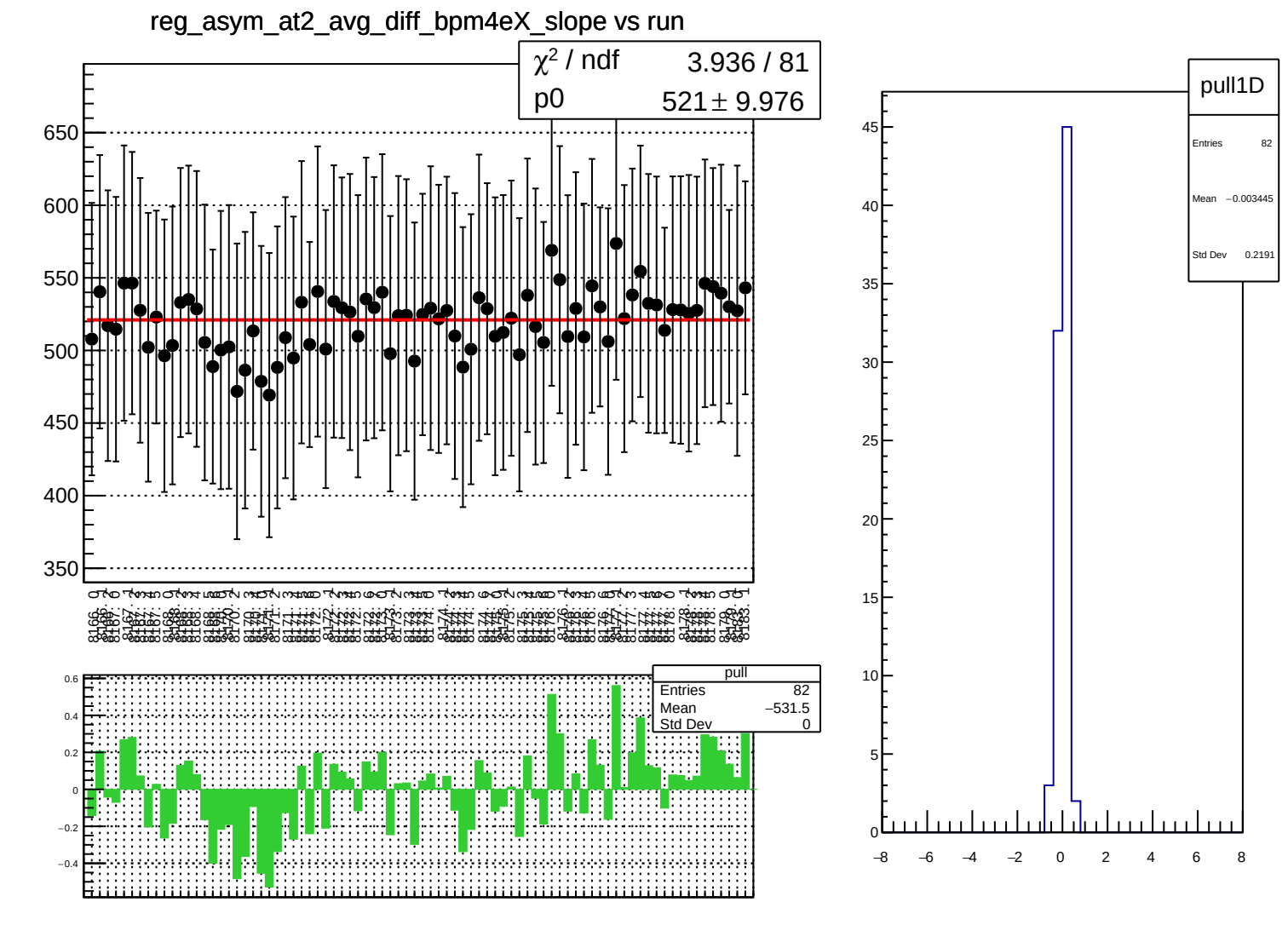

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 161.5 / 81
p0 35.92 ± 0.1582
pull
Entries 82
Mean −738.4
Std Dev 0

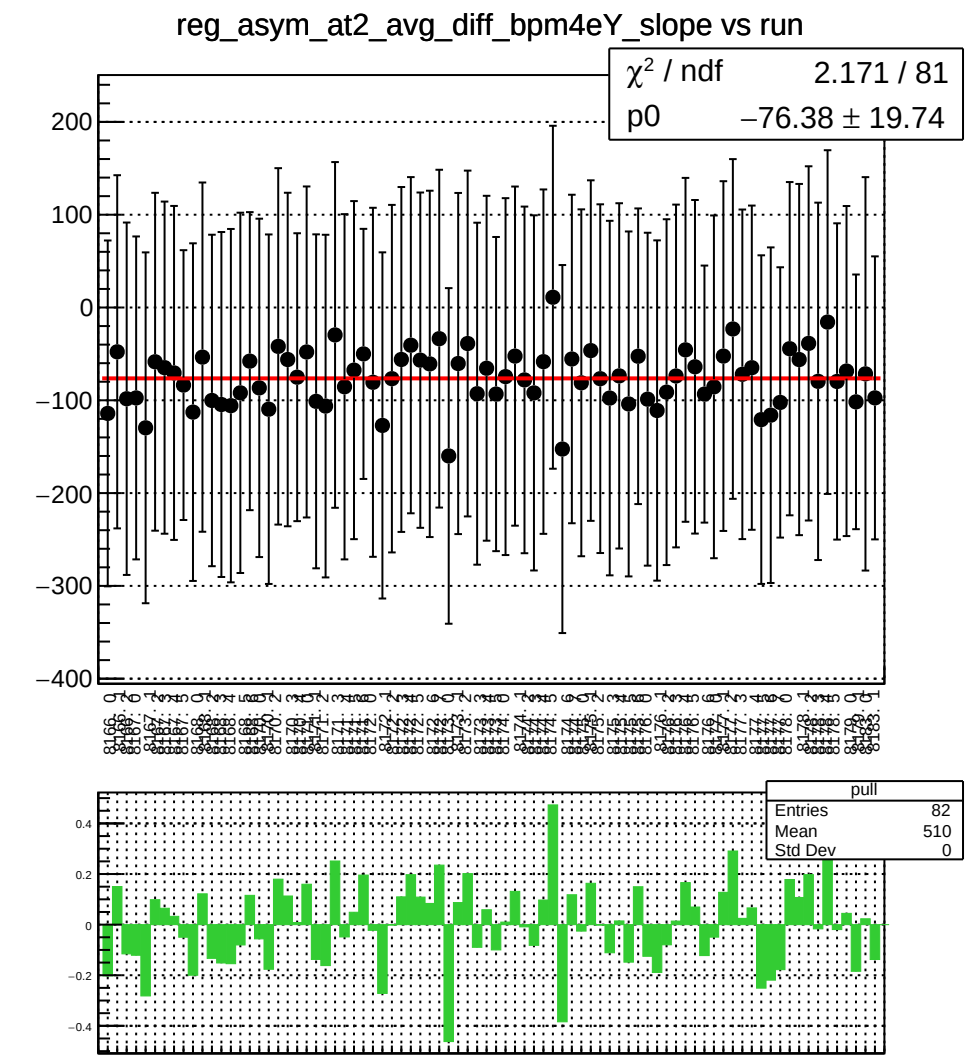

pull1D
Entries 82
Mean 0.02466
Std Dev 1.403

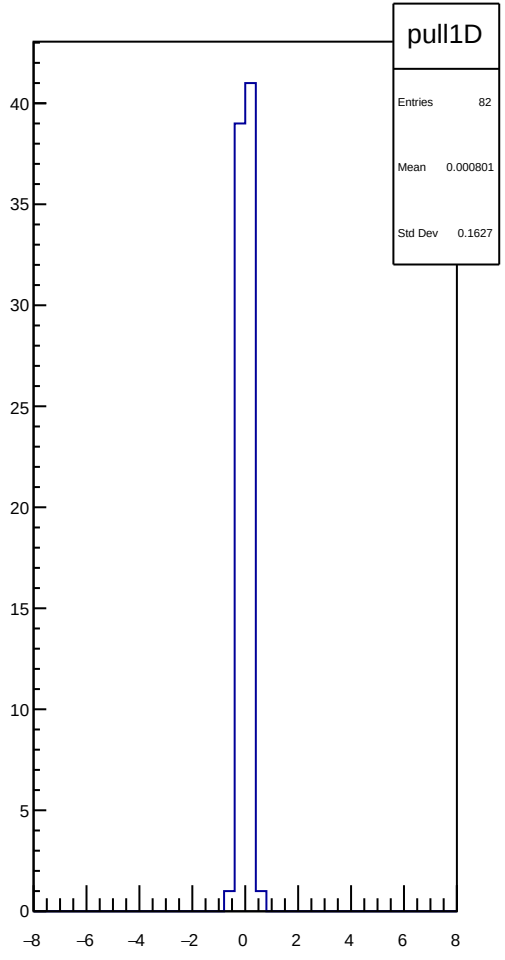

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.801 / 81
p0 −572.8 ± 9.952
pull
Entries 82
Mean −562.7
Std Dev 0
pull1D
Entries 82
Mean 0.003968
Std Dev 0.2419

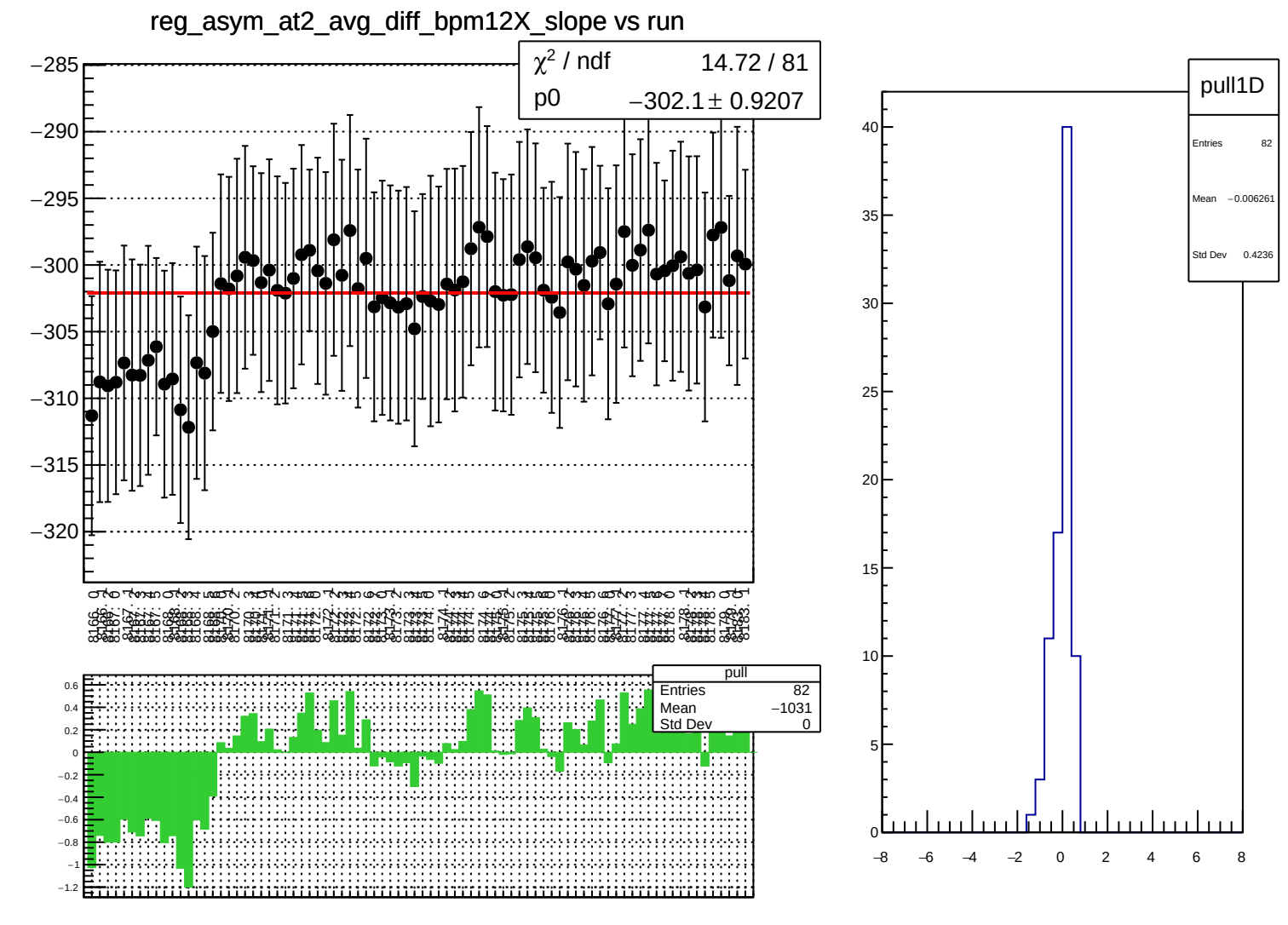

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.157 / 81
p0 197.4 ± 18.46
pull
Entries 82
Mean 355.6
Std Dev 0

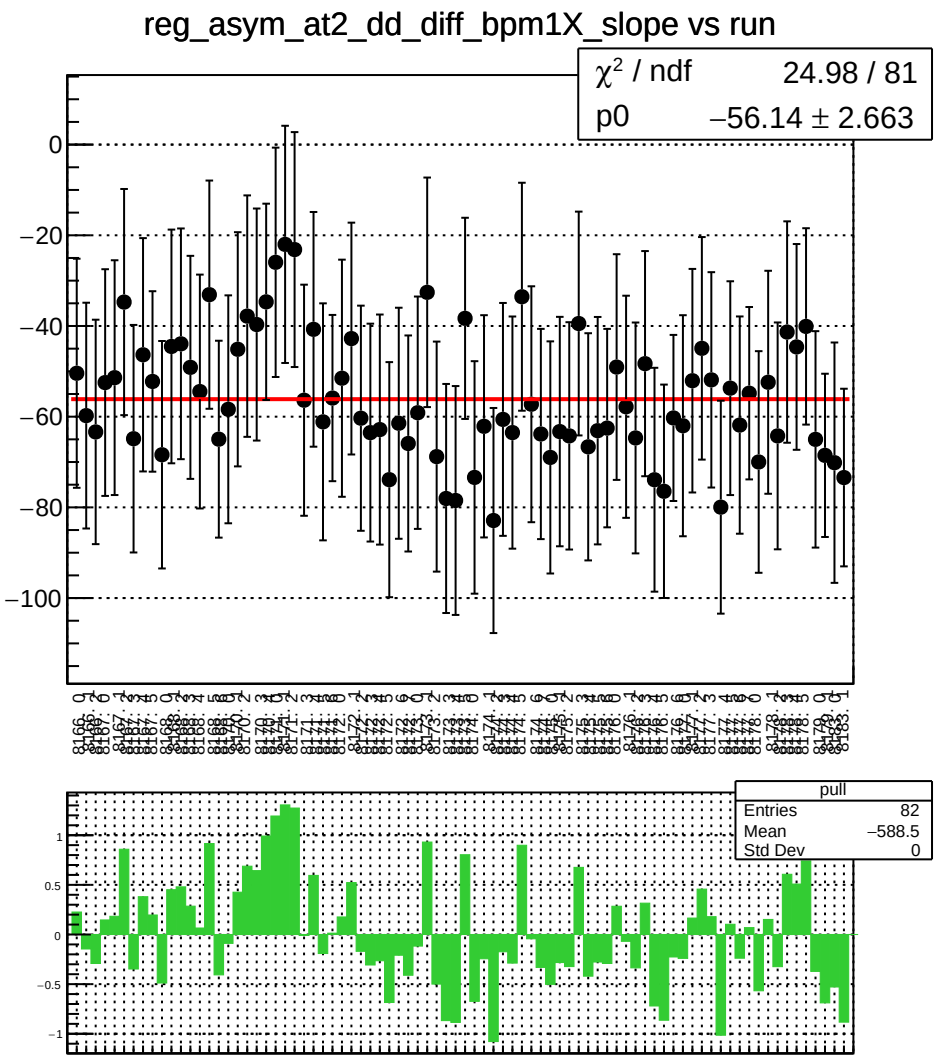

pull1D
Entries 82
Mean −0.0007722
Std Dev 0.1622

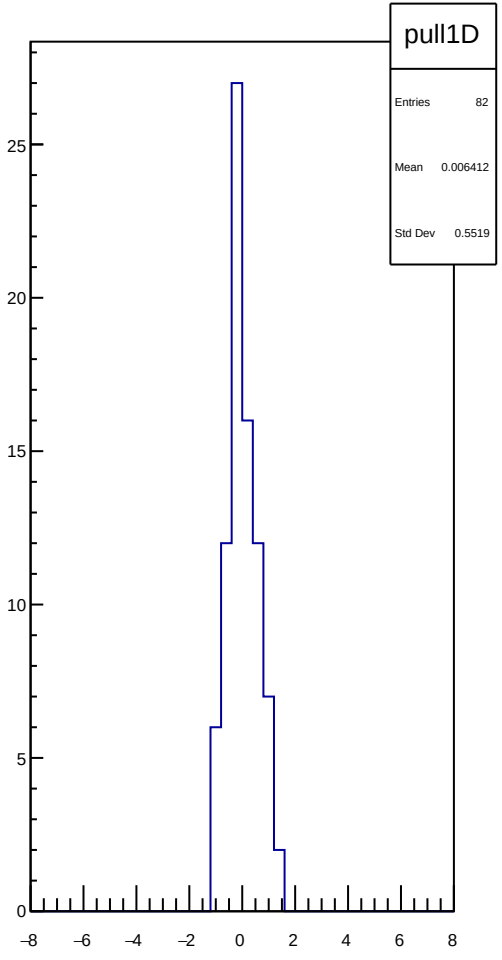

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.936 / 81
p0 521 ± 9.976
650
600
550
500
450
400
350
pull
Entries 82
Mean −531.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 82
Mean −0.003445
Std Dev 0.2191
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

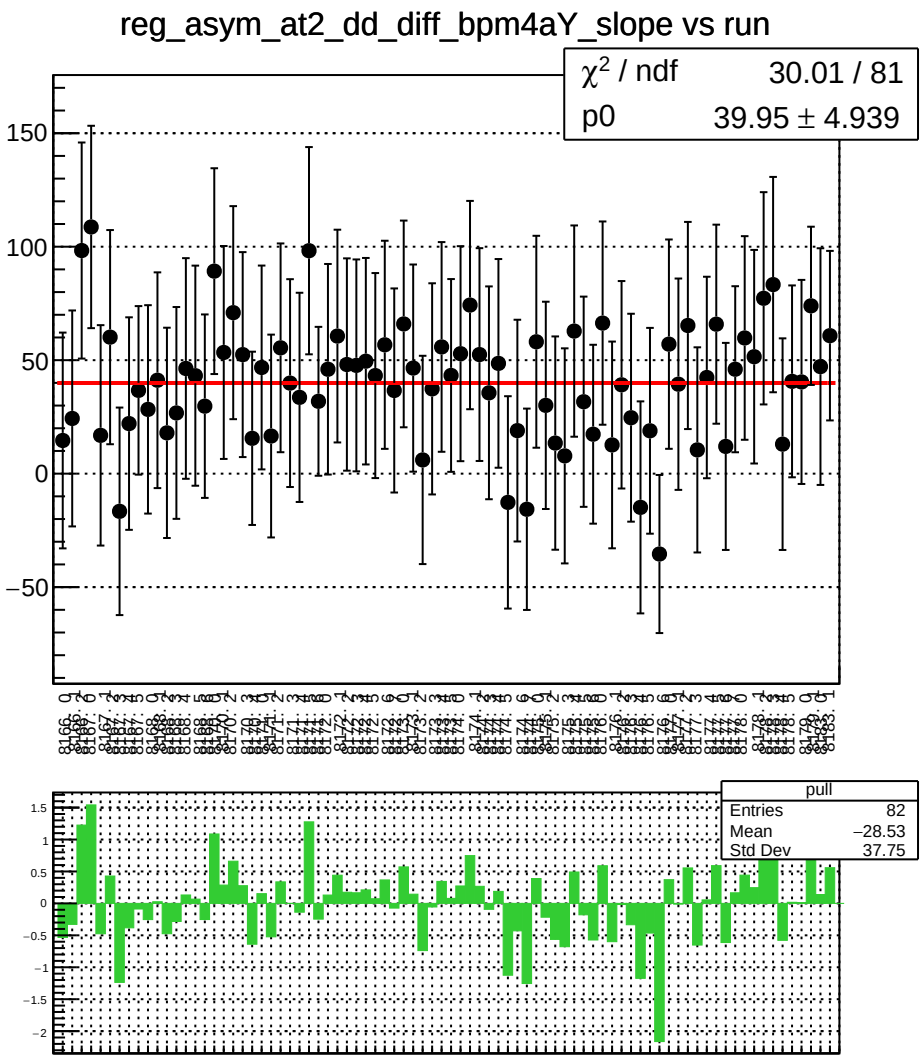

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.171 / 81
p0 −76.38 ± 19.74
pull
Entries 82
Mean 510
Std Dev 0

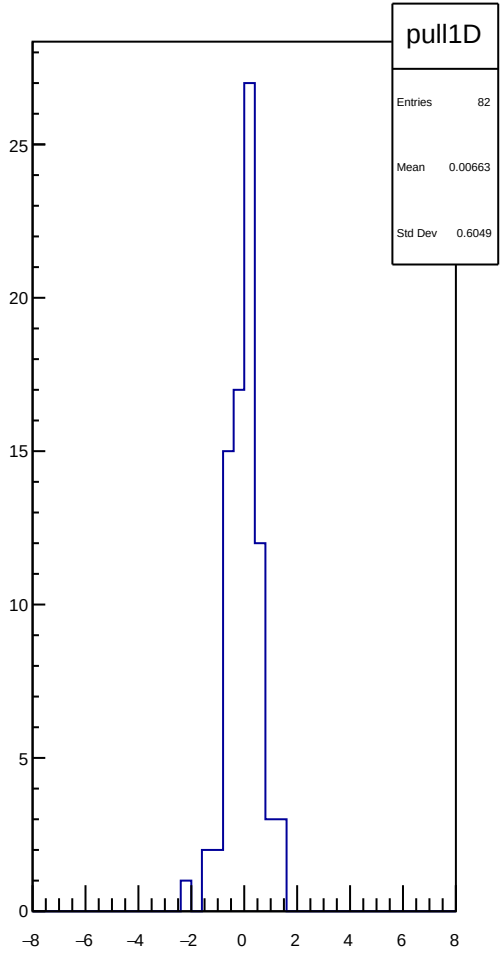

pull1D
Entries 82
Mean 0.000801
Std Dev 0.1627

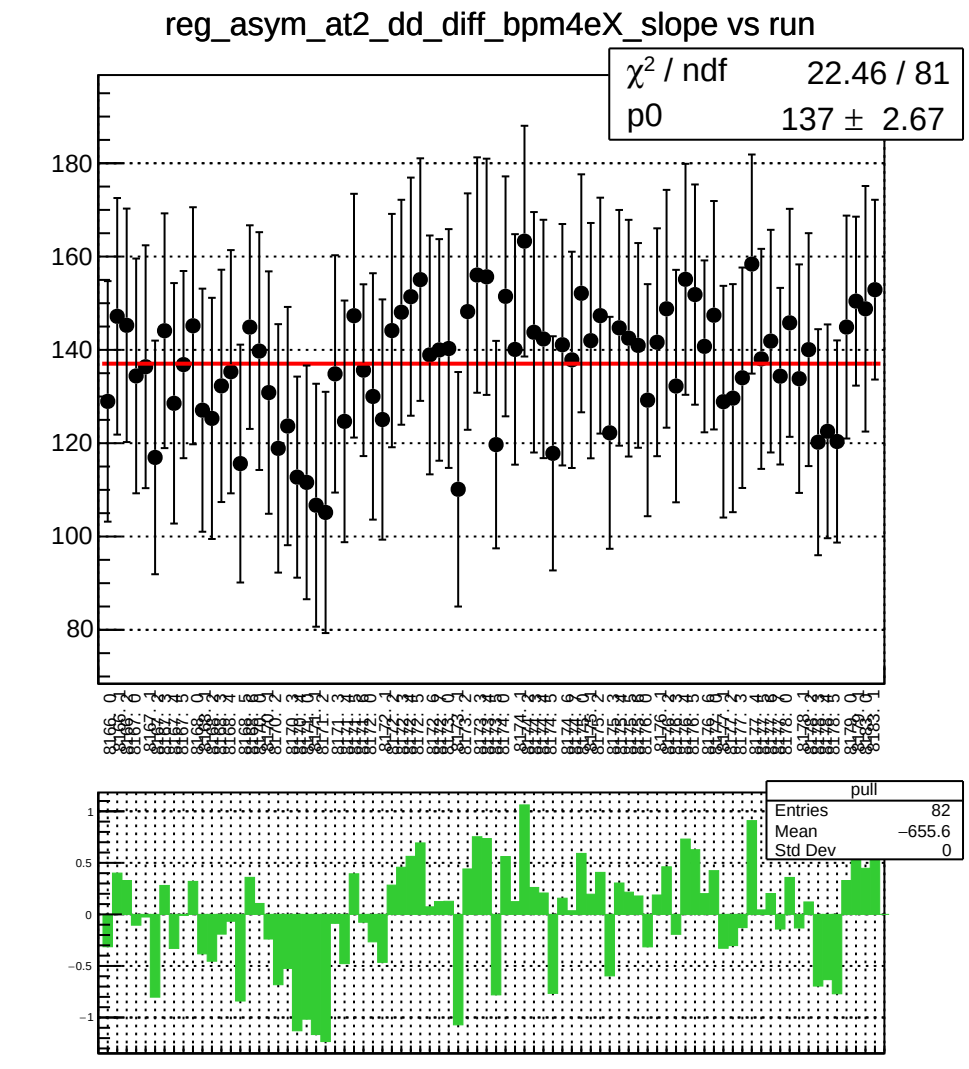

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.72 / 81
p0 −302.1 ± 0.9207
pull
Entries 82
Mean −1031
Std Dev 0
pull1D
Entries 82
Mean −0.006261
Std Dev 0.4236

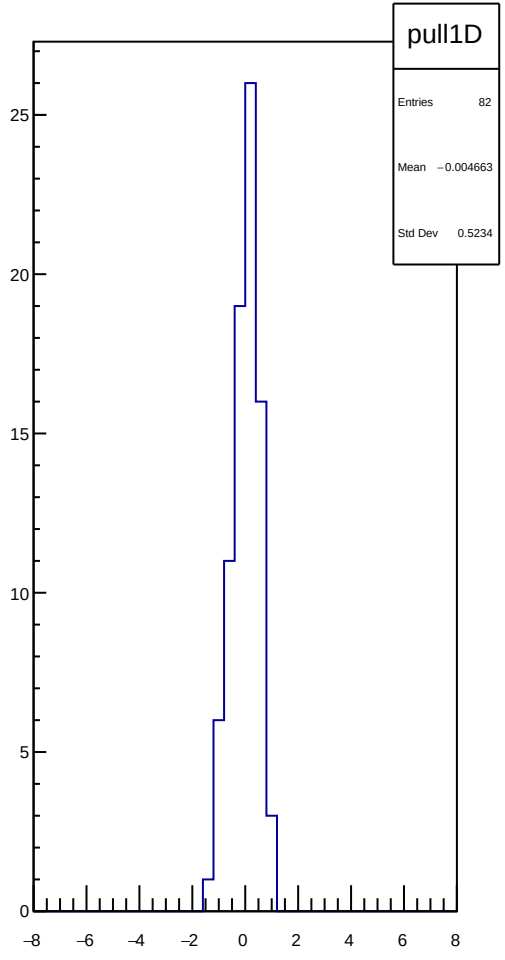

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 24.98 / 81
p0 −56.14 ± 2.663
pull
Entries 82
Mean −588.5
Std Dev 0

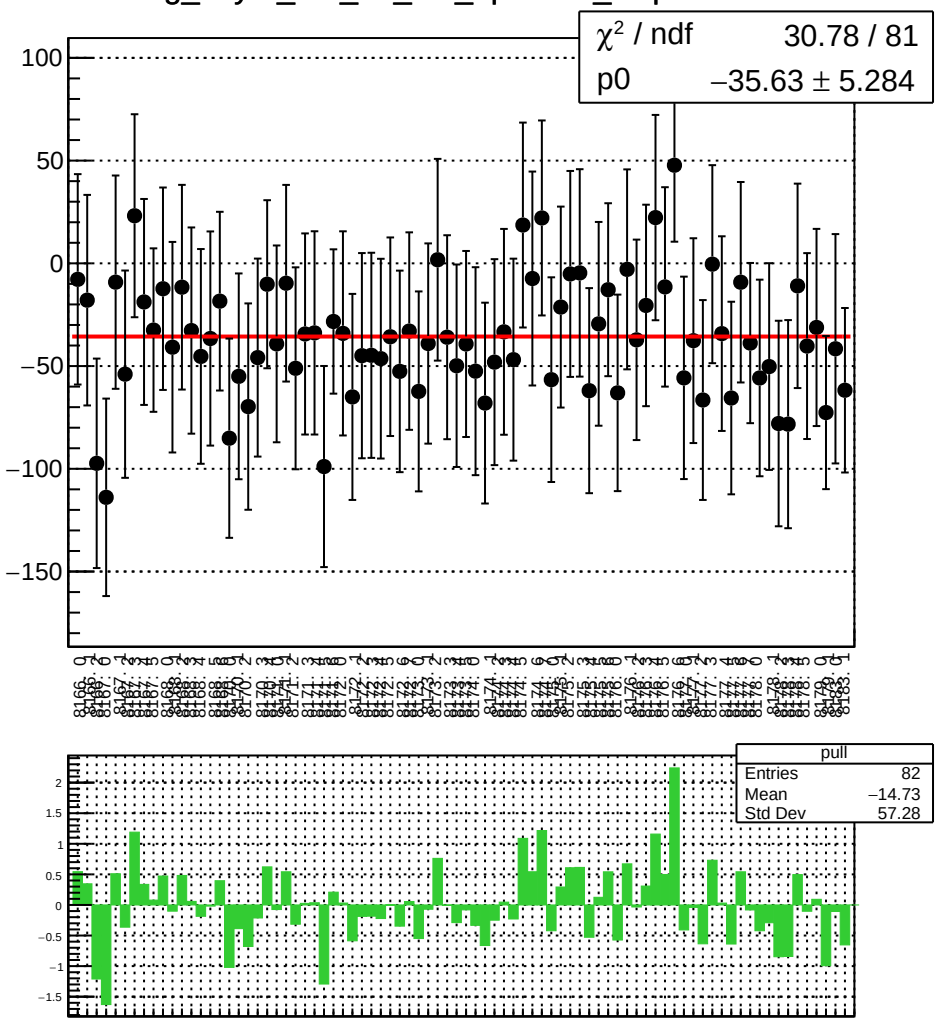

pull1D
Entries 82
Mean 0.006412
Std Dev 0.5519

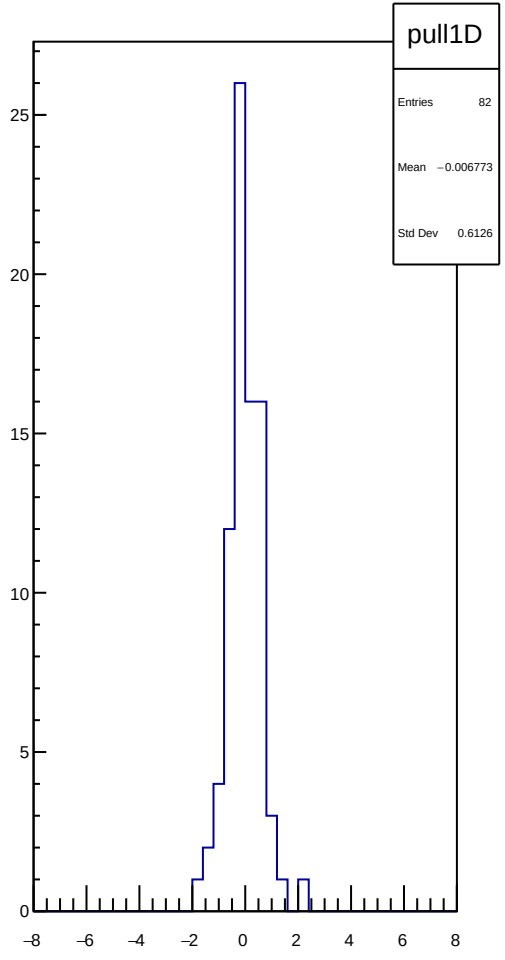

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.01 / 81
p0 39.95 ± 4.939
150
100
50
0
−50
pull
Entries 82
Mean −28.53
Std Dev 37.75
1.5
1
0.5
0
−0.5
−1
−1.5
−2

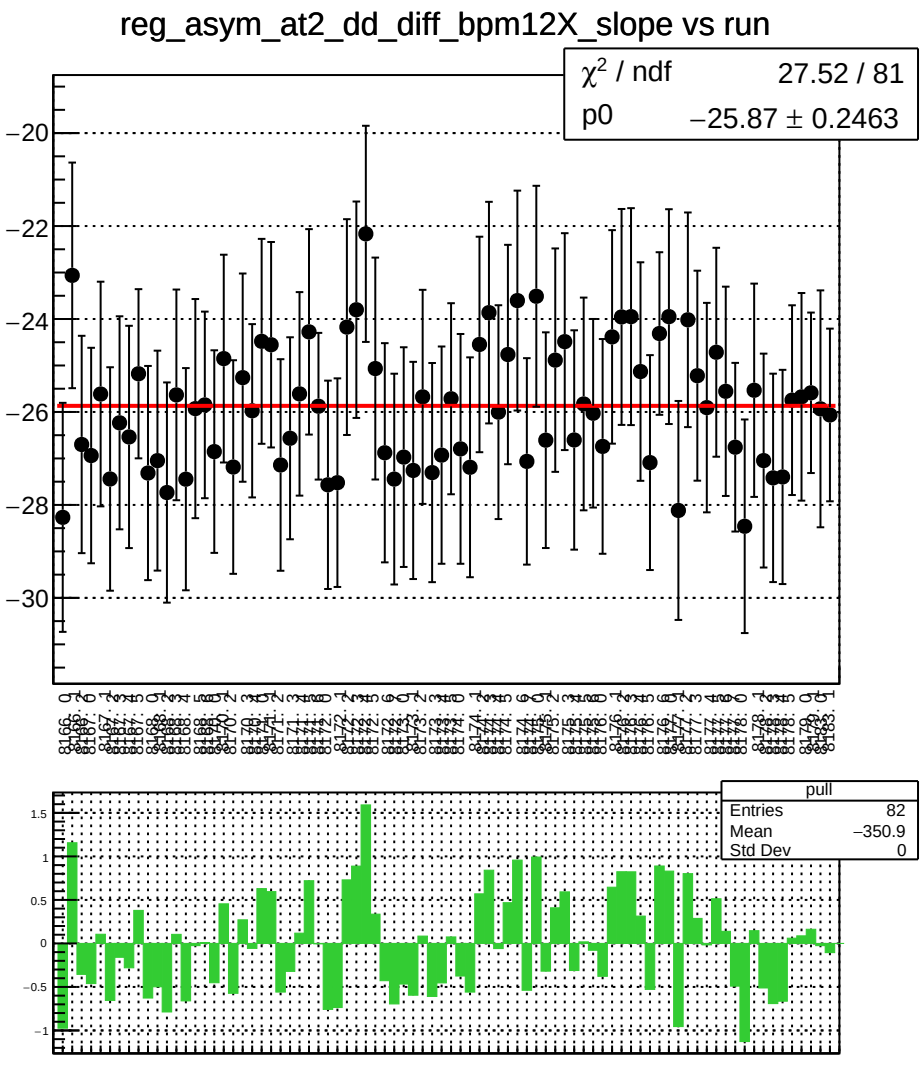

pull1D
Entries 82
Mean 0.00663
Std Dev 0.6049
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

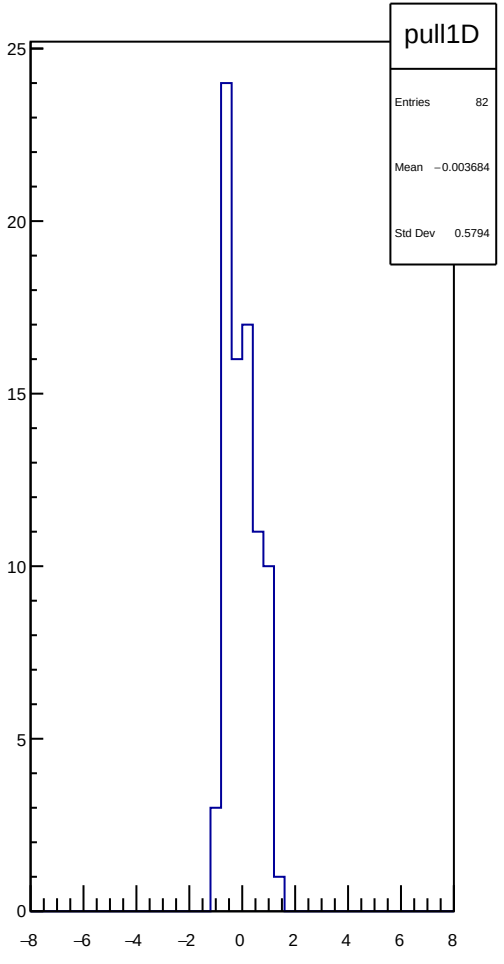

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.46 / 81
p0 137 ± 2.67
pull
Entries 82
Mean −655.6
Std Dev 0

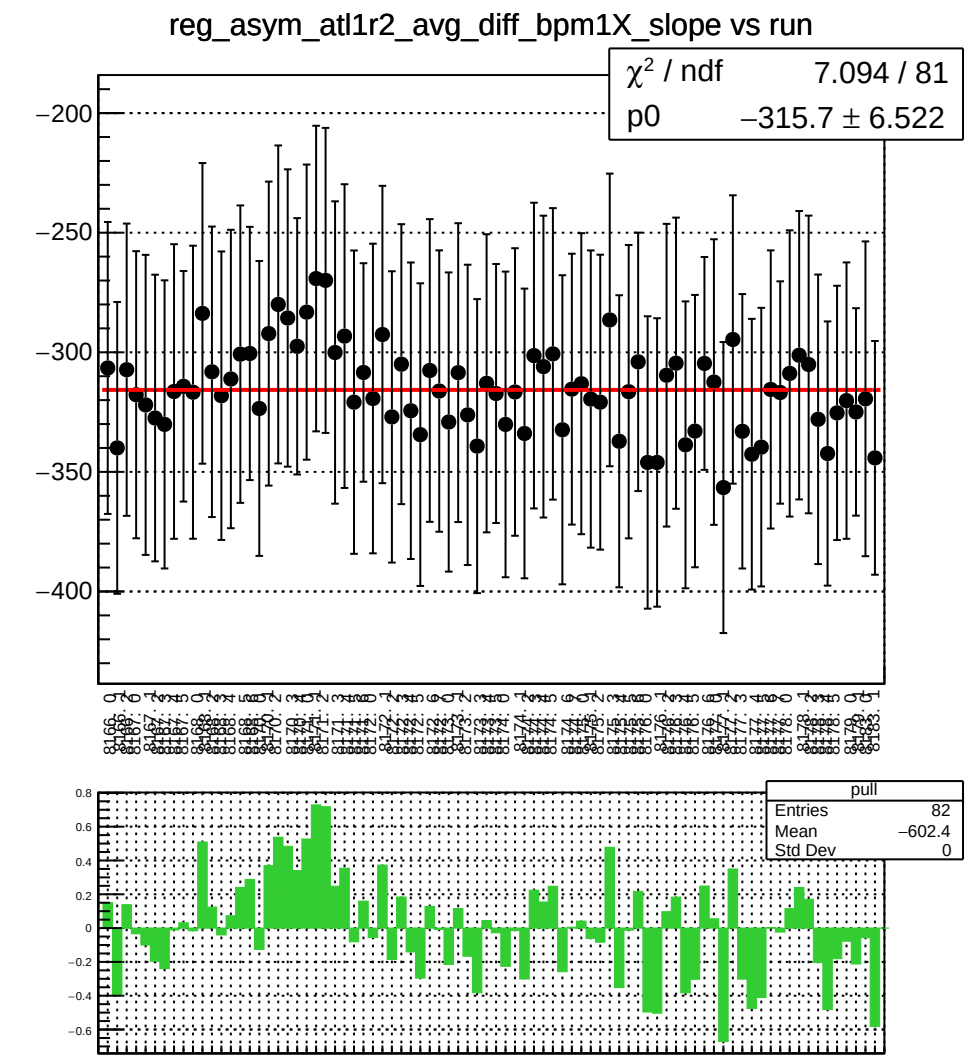

pull1D
Entries 82
Mean −0.004663
Std Dev 0.5234

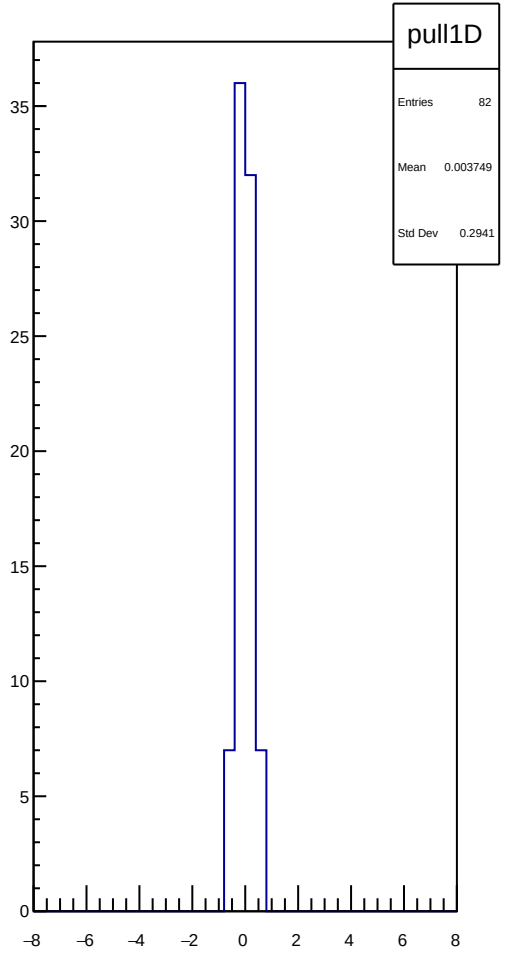

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.78 / 81
p0 −35.63 ± 5.284
pull
Entries 82
Mean −14.73
Std Dev 57.28

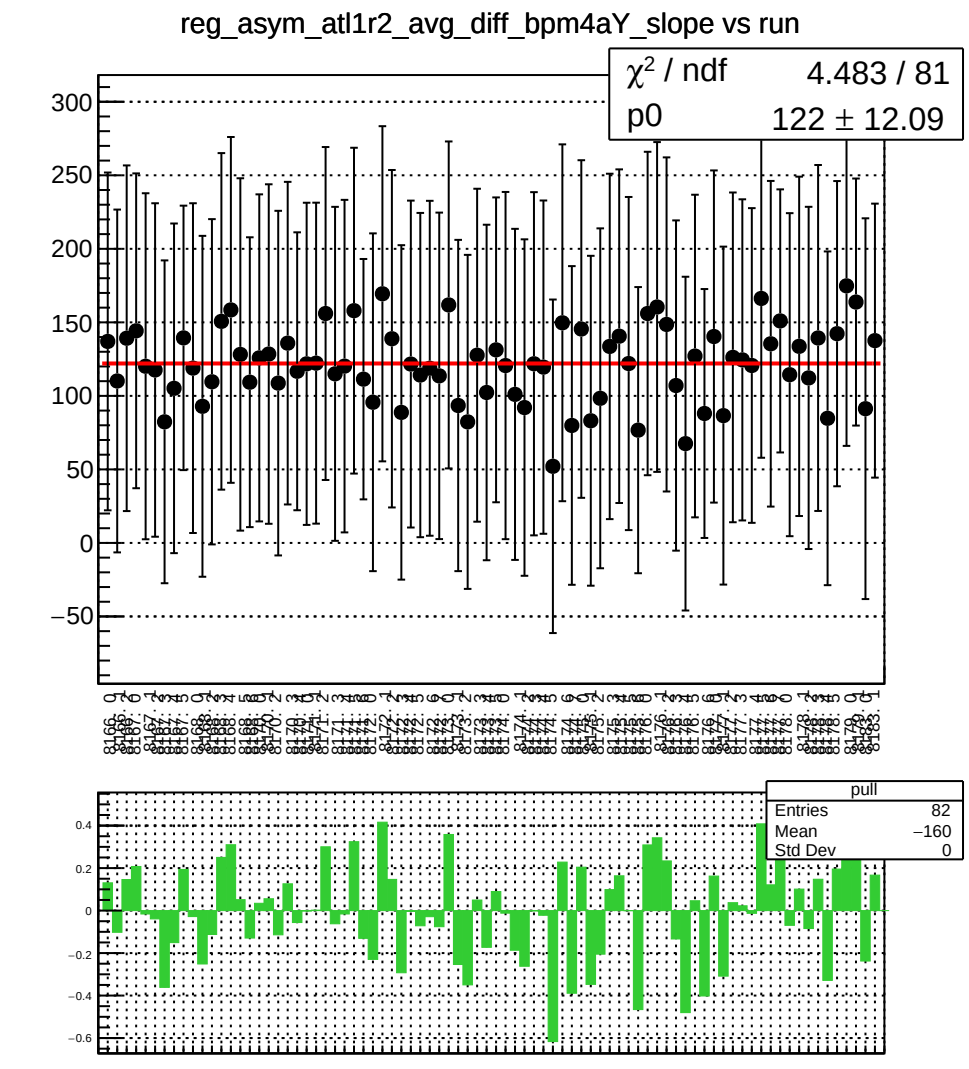

pull1D
Entries 82
Mean −0.006773
Std Dev 0.6126

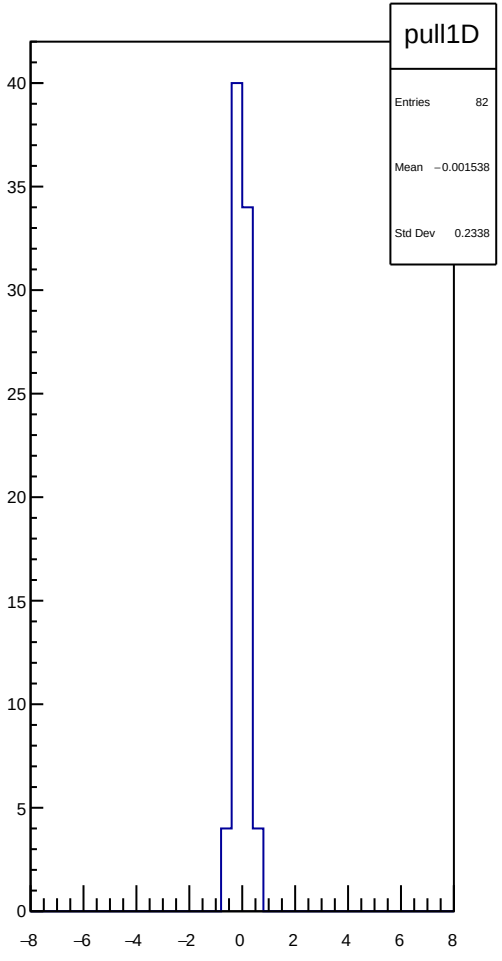

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 27.52 / 81
p0 −25.87 ± 0.2463
pull
Entries 82
Mean −350.9
Std Dev 0

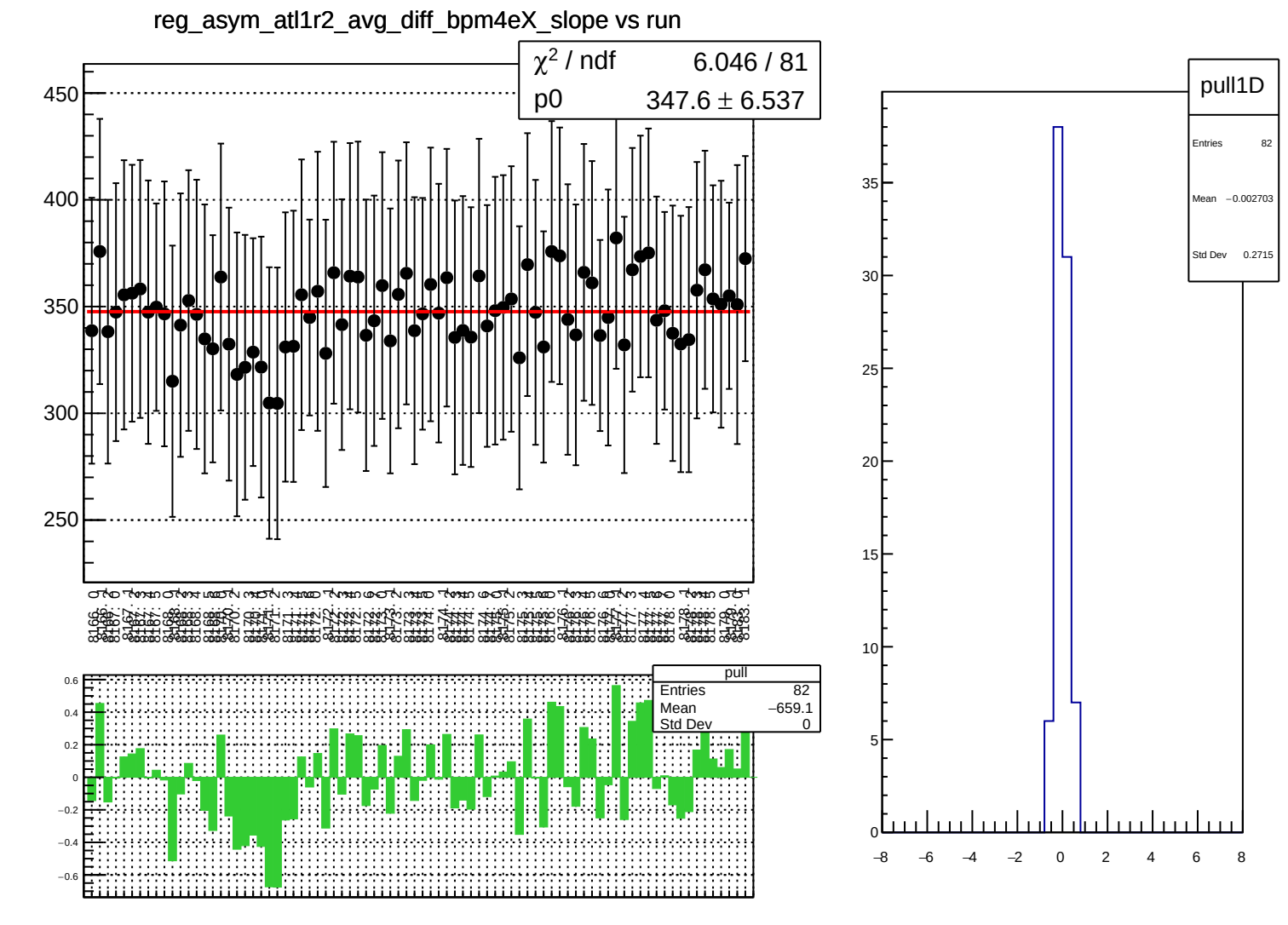

pull1D
Entries 82
Mean −0.003684
Std Dev 0.5794

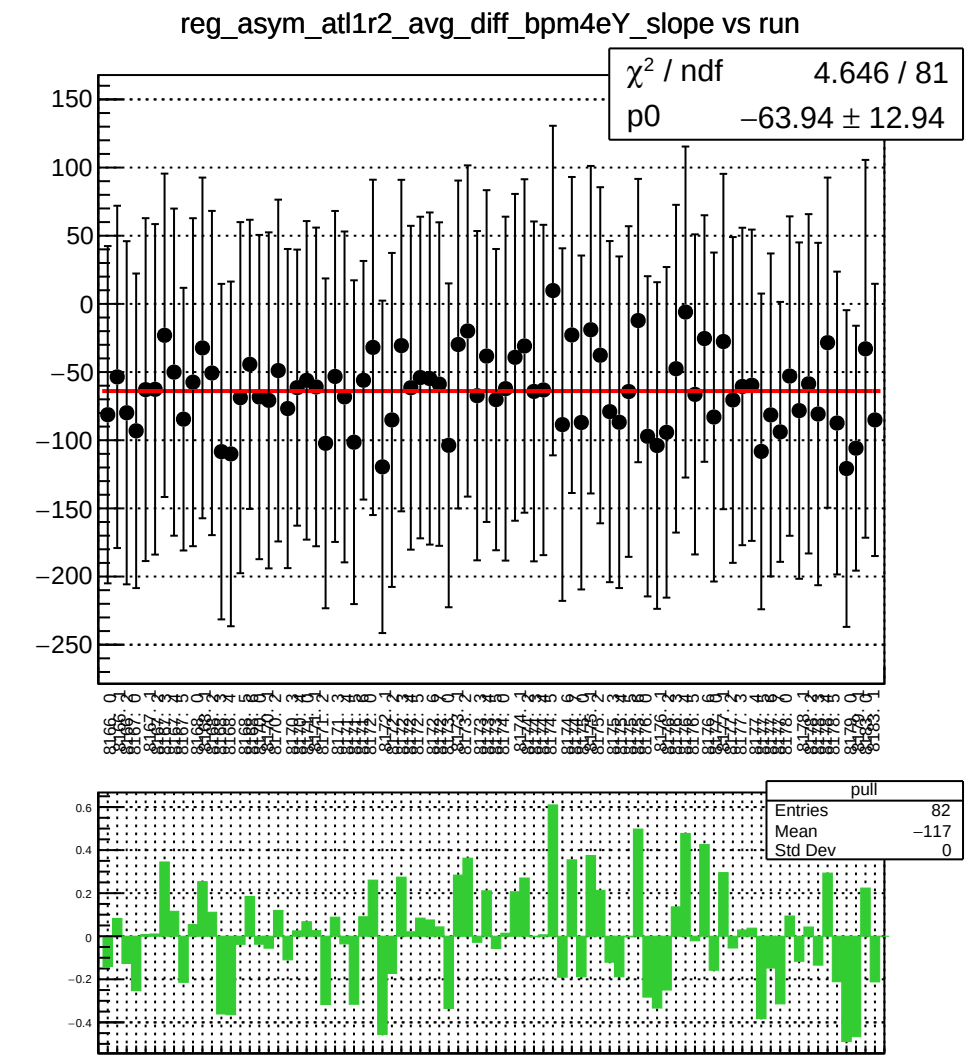

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.094 / 81
p0 −315.7 ± 6.522
−200
−250
−300
−350
−400
pull
Entries 82
Mean −602.4
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

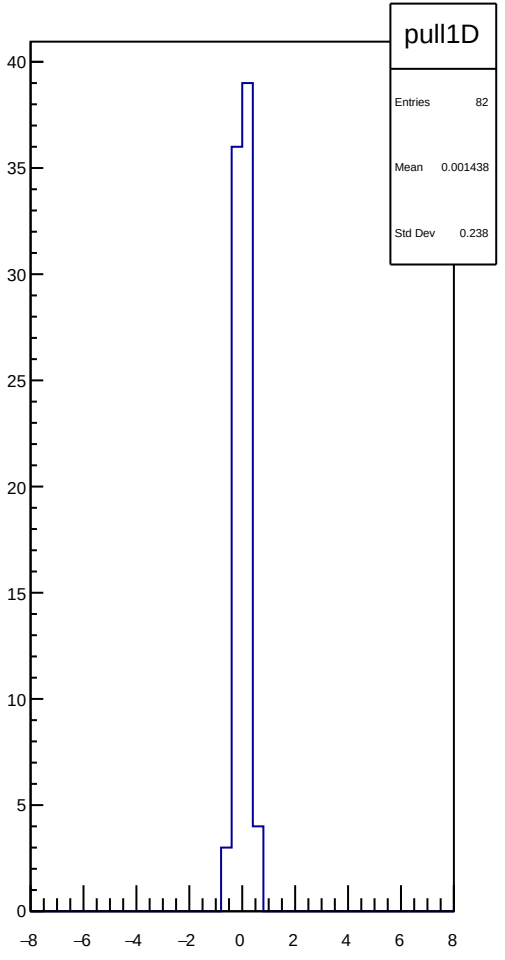

pull1D
Entries 82
Mean 0.003749
Std Dev 0.2941
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

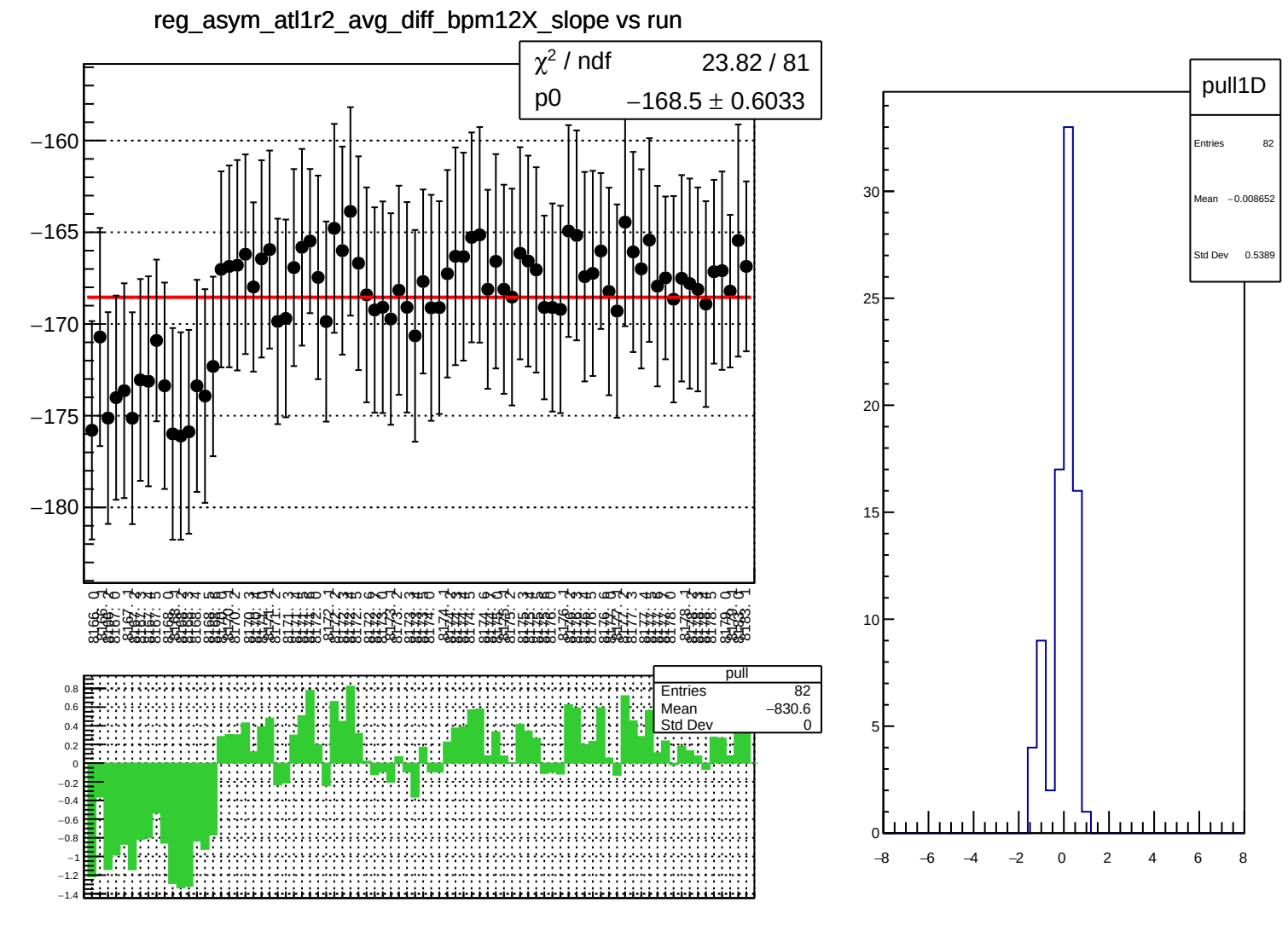

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.483 / 81
p0 122 ± 12.09
pull
Entries 82
Mean −160
Std Dev 0

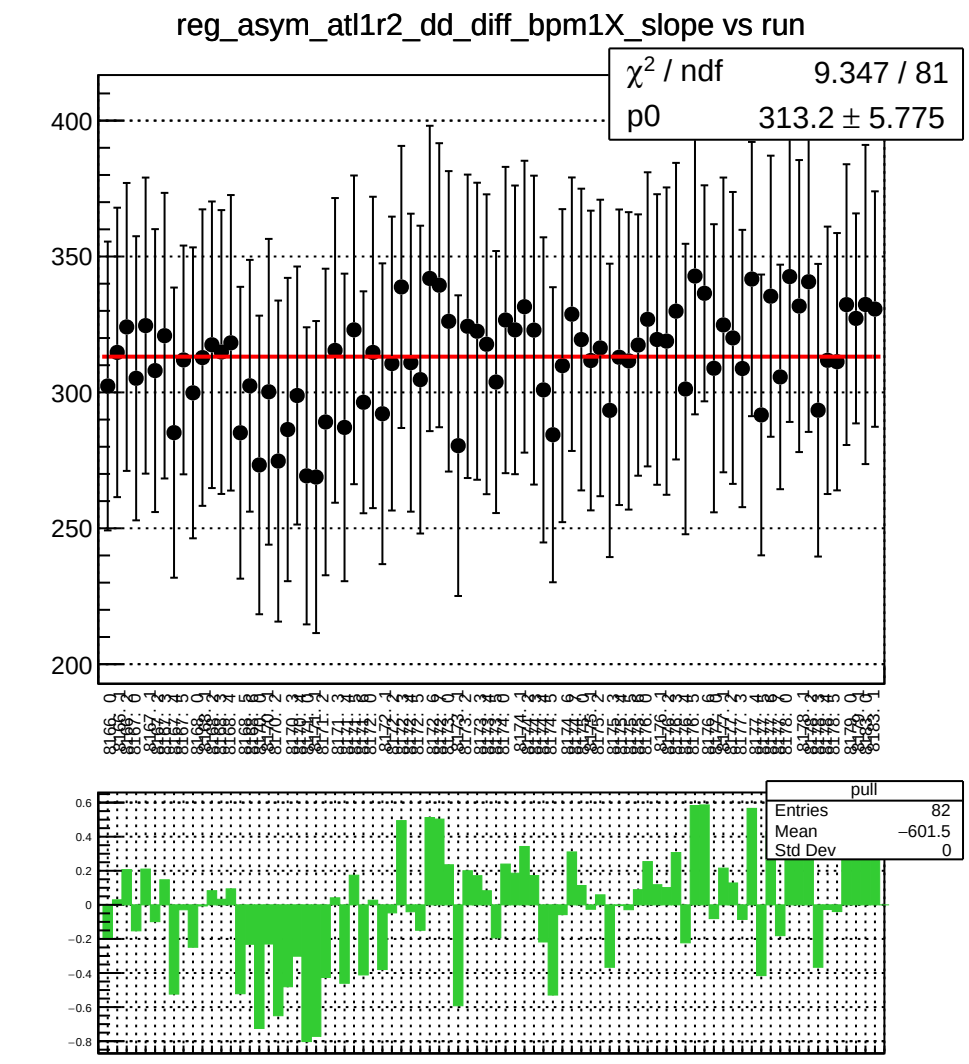

pull1D
Entries 82
Mean −0.001538
Std Dev 0.2338

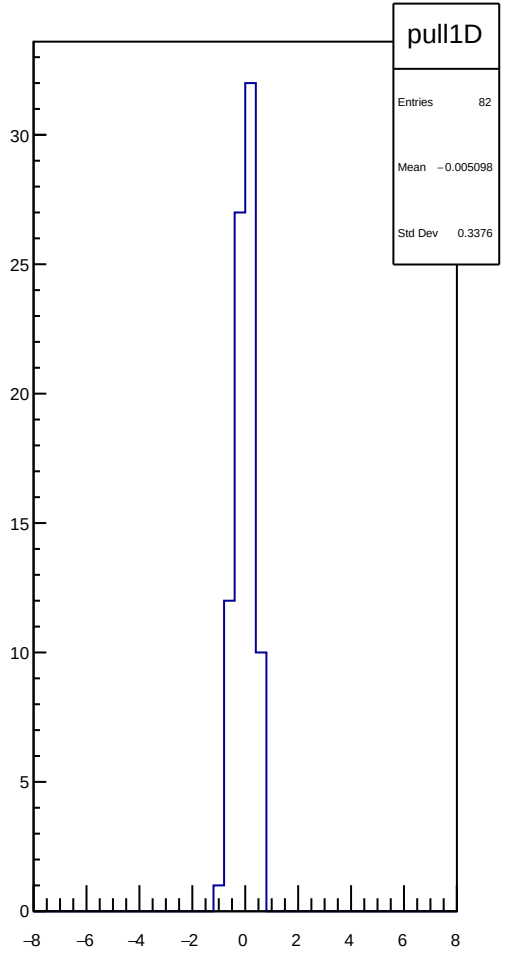

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.046 / 81
p0 347.6 ± 6.537
450
400
350
300
250
pull
Entries 82
Mean −659.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 82
Mean −0.002703
Std Dev 0.2715
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

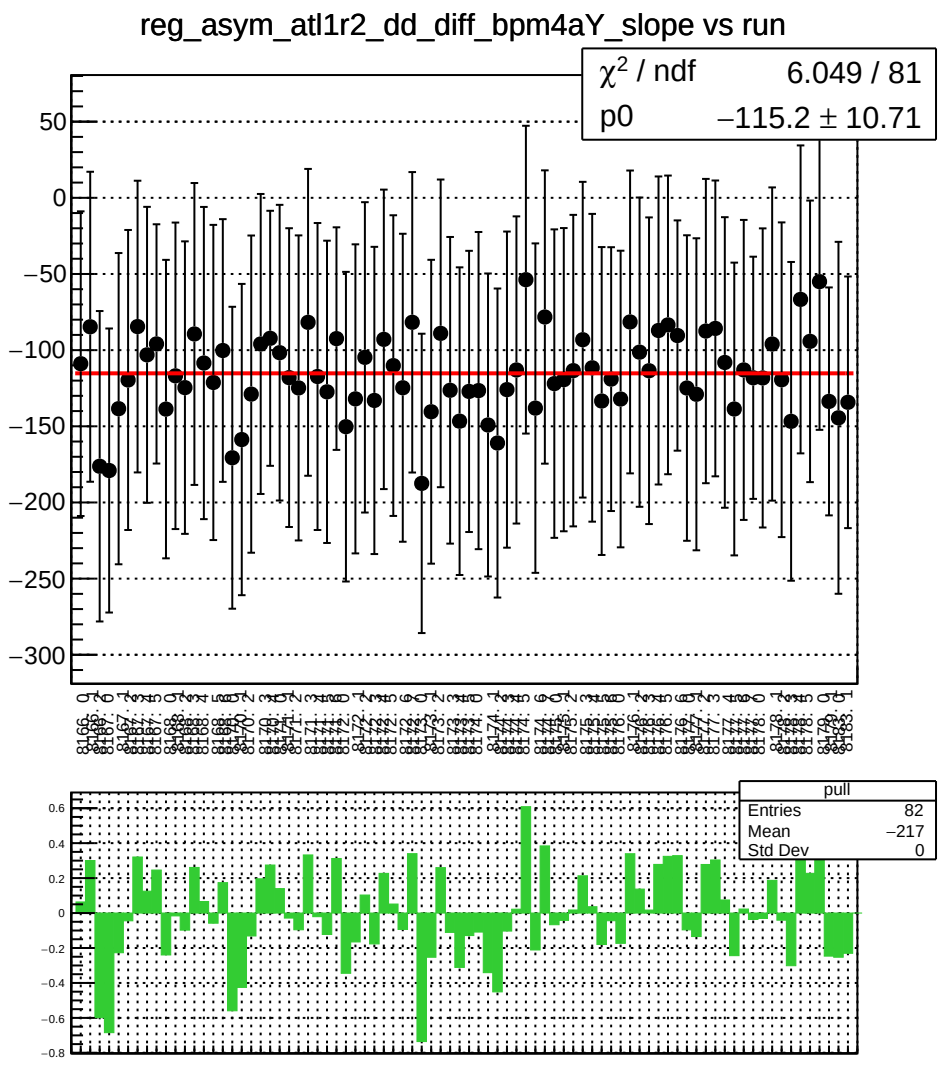

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.646 / 81
p0 −63.94 ± 12.94
pull
Entries 82
Mean −117
Std Dev 0

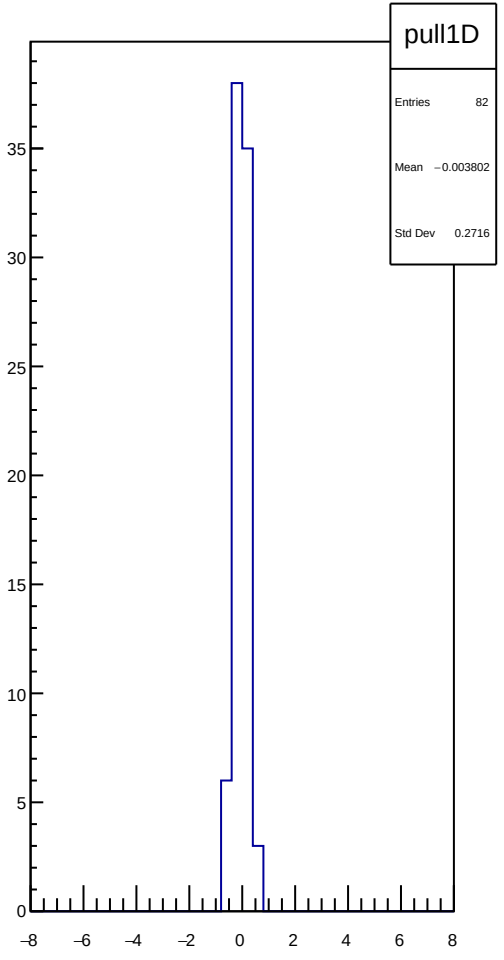

pull1D
Entries 82
Mean 0.001438
Std Dev 0.238

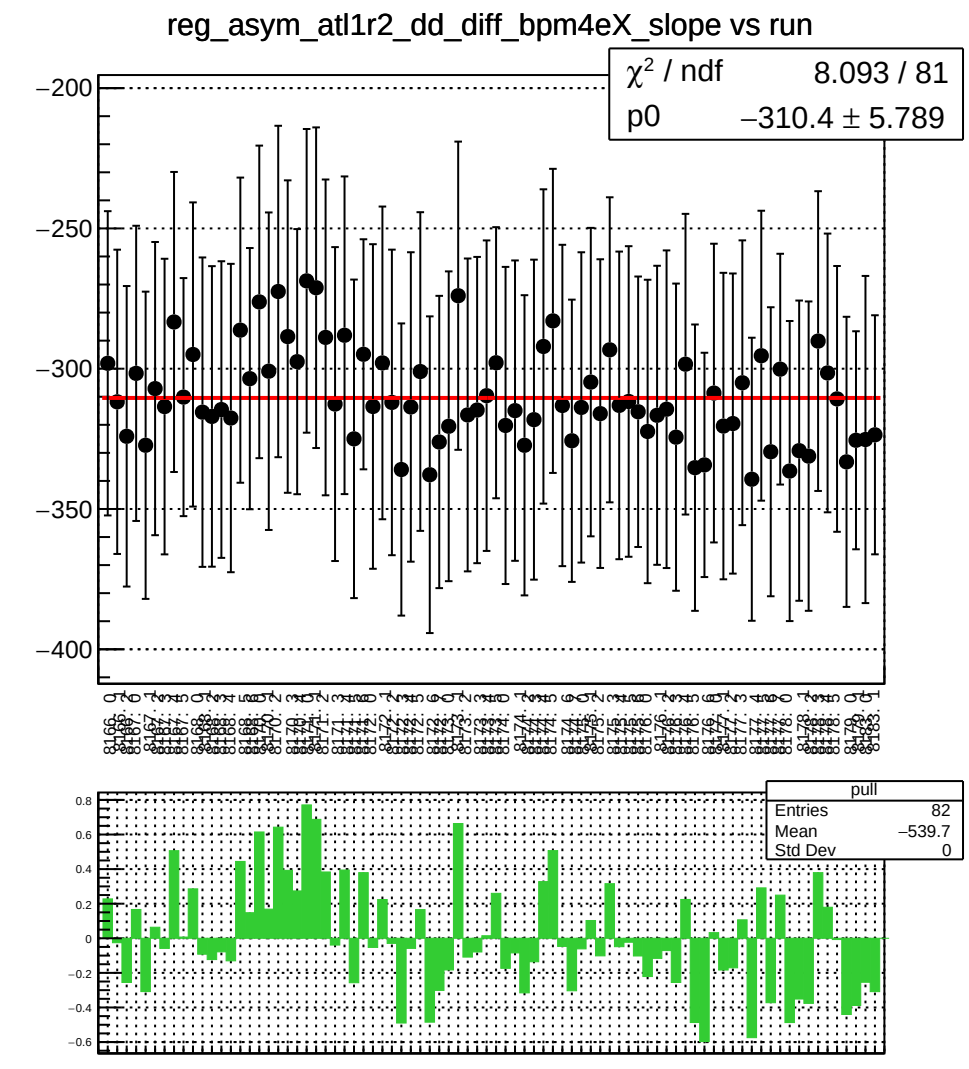

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.82 / 81
p0 −168.5 ± 0.6033
−160
−165
−170
−175
−180
pull
Entries 82
Mean −830.6
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 82
Mean −0.008652
Std Dev 0.5389
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

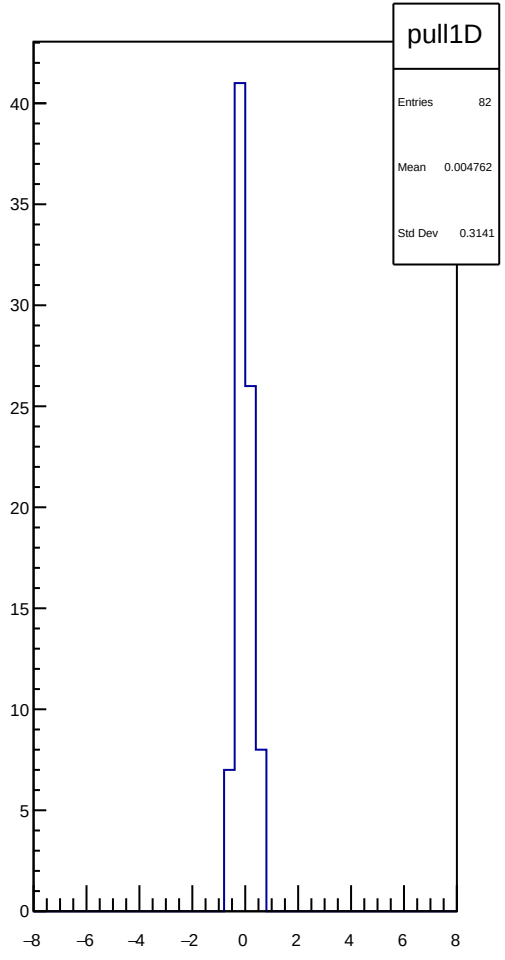

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 9.347 / 81
p0 313.2 ± 5.775
400
350
300
250
200
pull
Entries 82
Mean −601.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

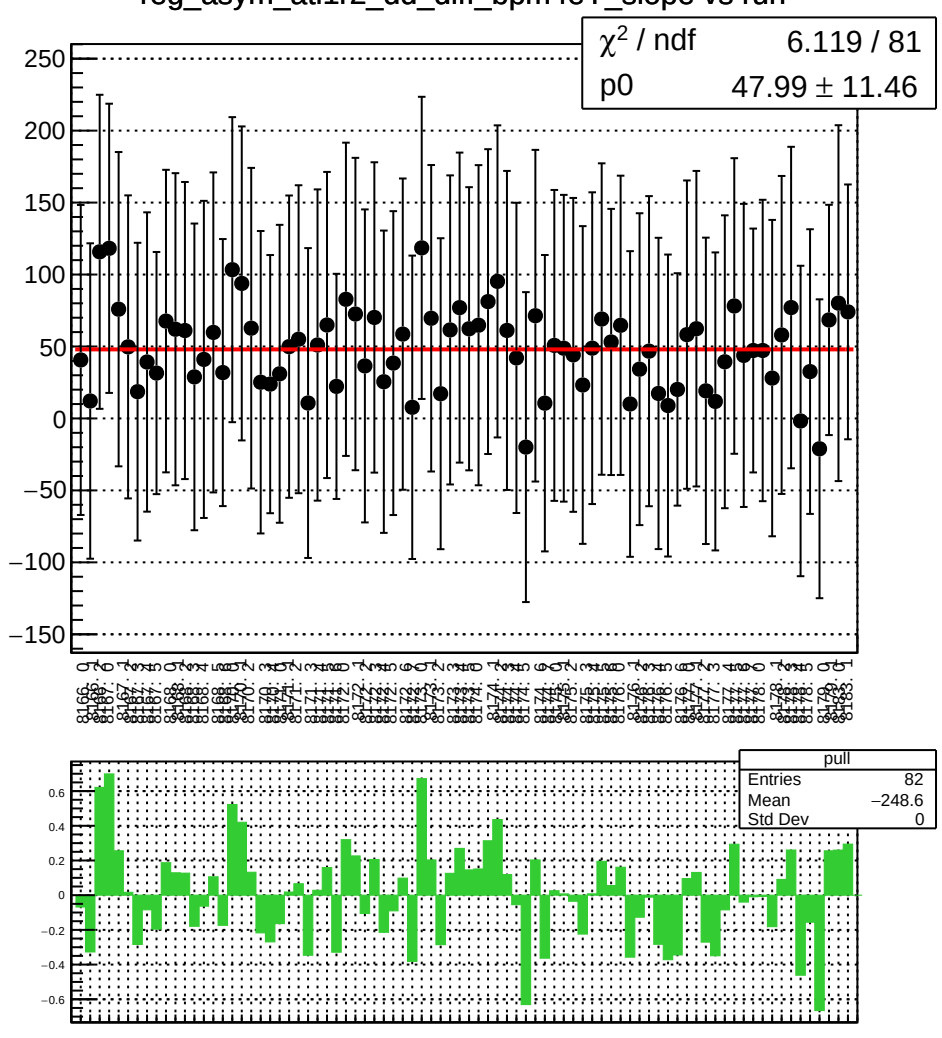

pull1D
Entries 82
Mean −0.005098
Std Dev 0.3376
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

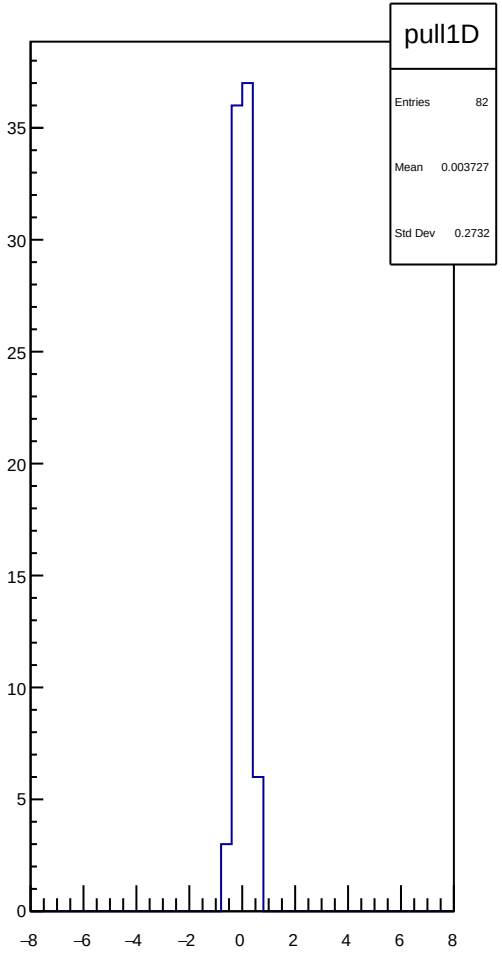

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.049 / 81
p0 −115.2 ± 10.71
pull
Entries 82
Mean −217
Std Dev 0

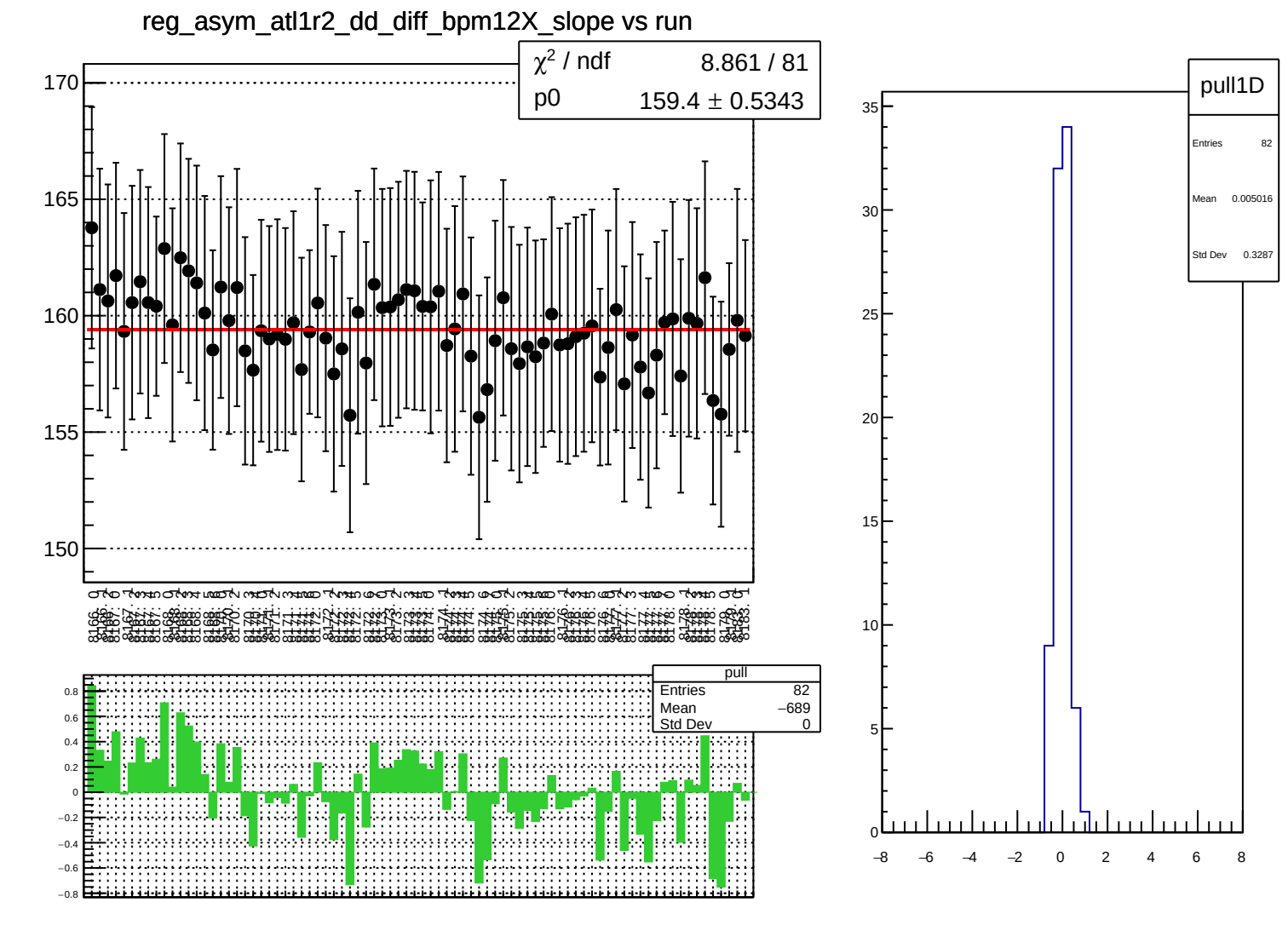

pull1D
Entries 82
Mean −0.003802
Std Dev 0.2716

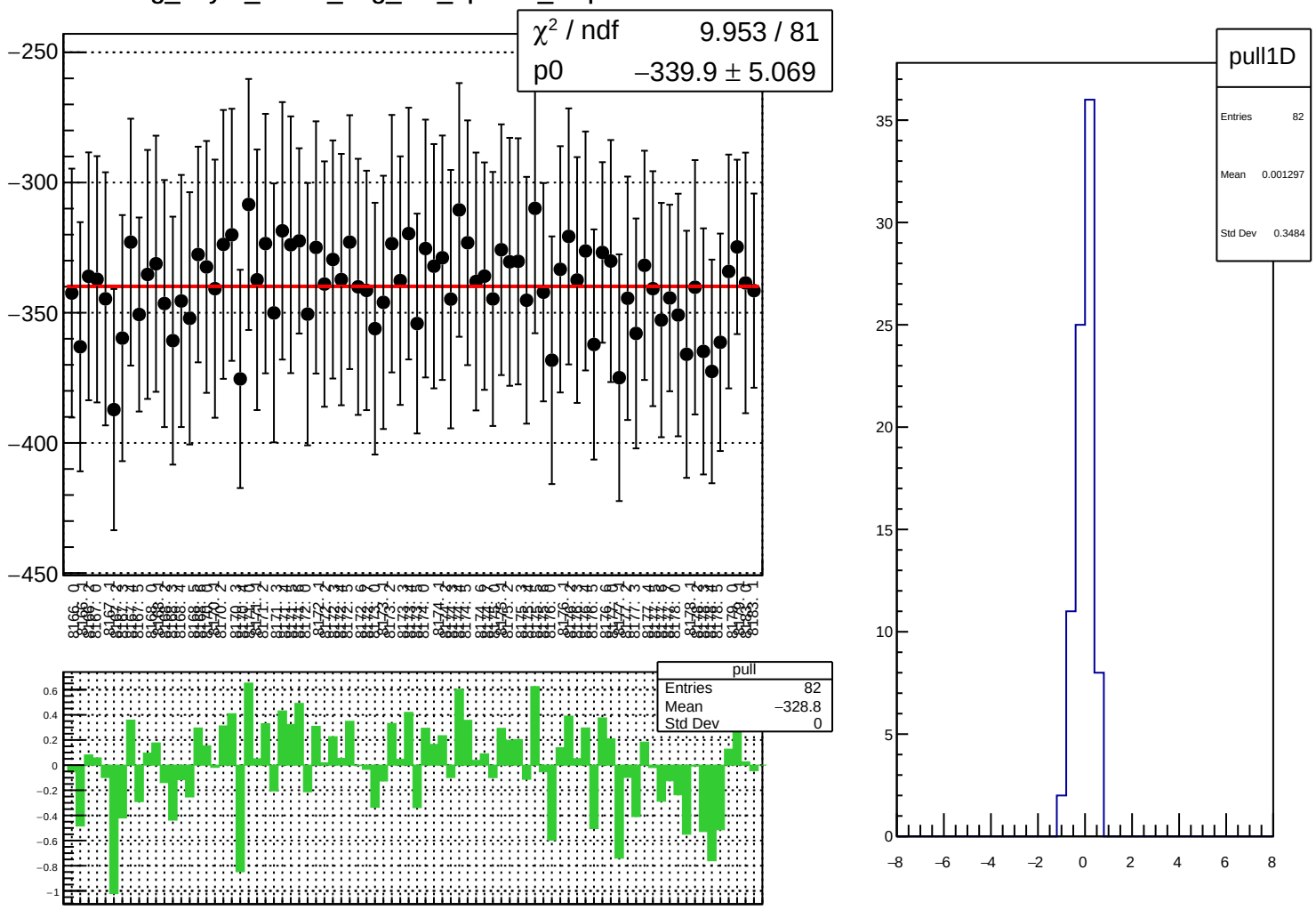

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.093 / 81
p0 −310.4 ± 5.789
−200
−250
−300
−350
−400
pull
Entries 82
Mean −539.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

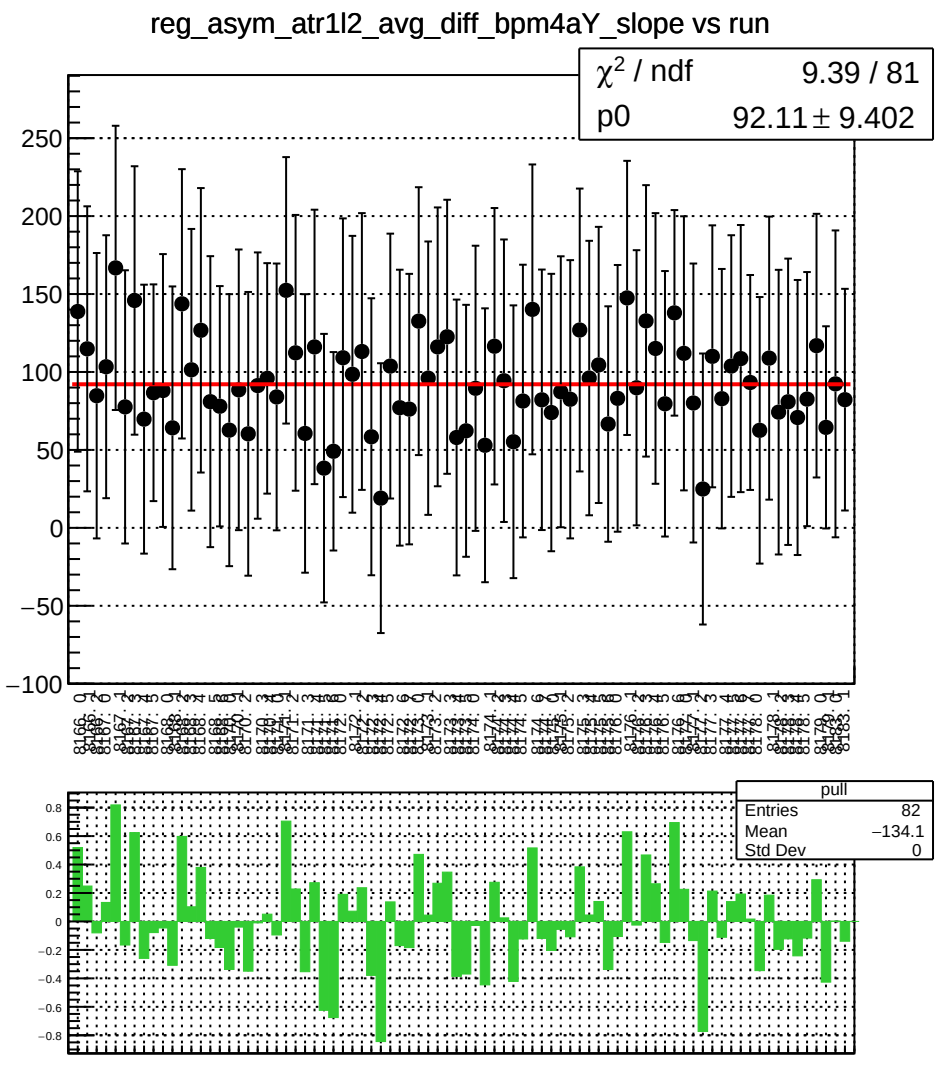

pull1D
Entries 82
Mean 0.004762
Std Dev 0.3141
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

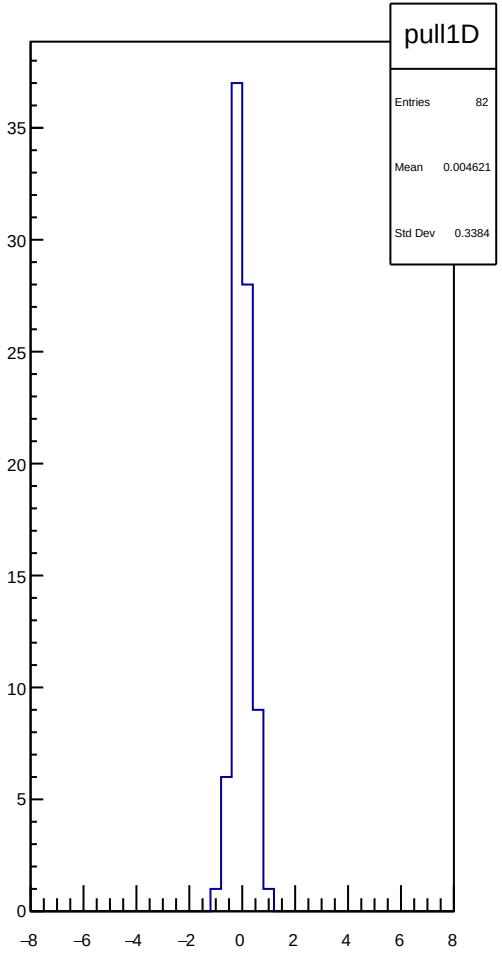

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.119 / 81
p0 47.99 ± 11.46
pull
Entries 82
Mean −248.6
Std Dev 0

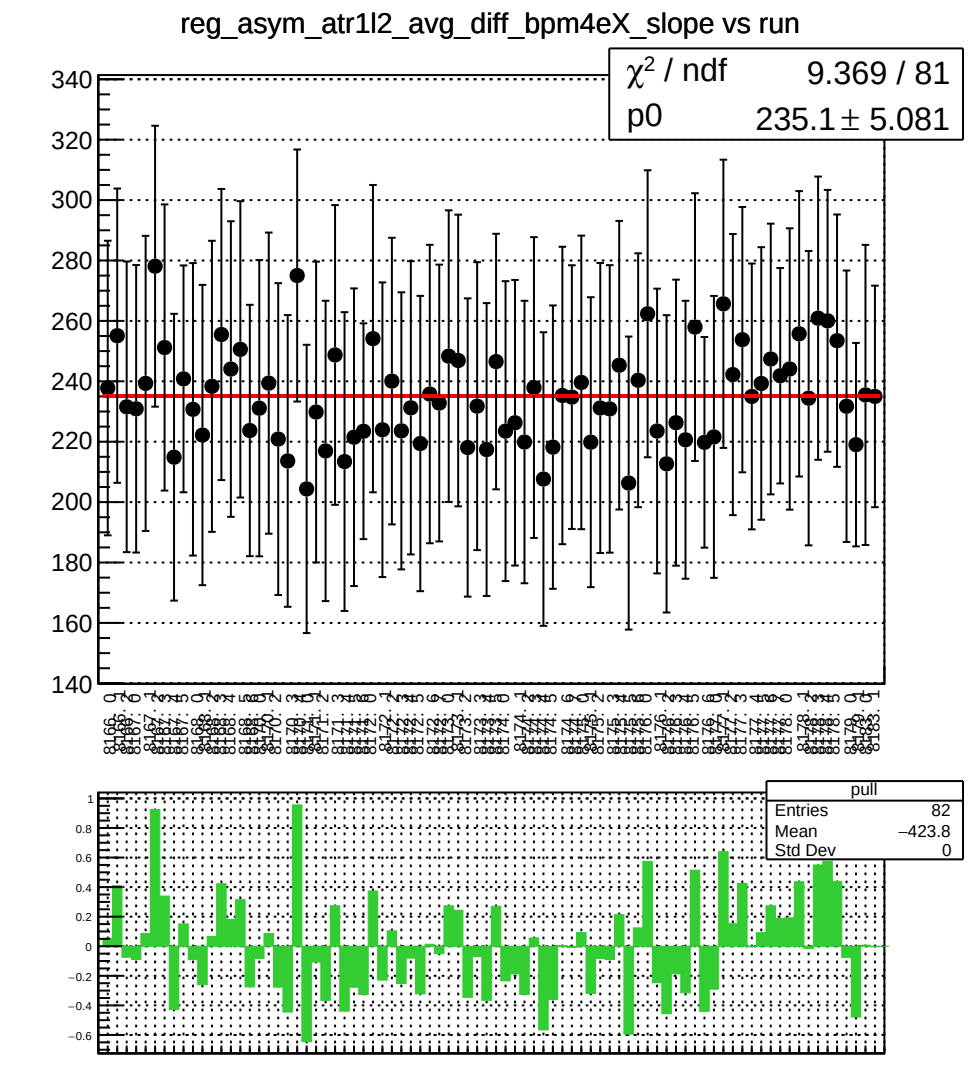

pull1D
Entries 82
Mean 0.003727
Std Dev 0.2732

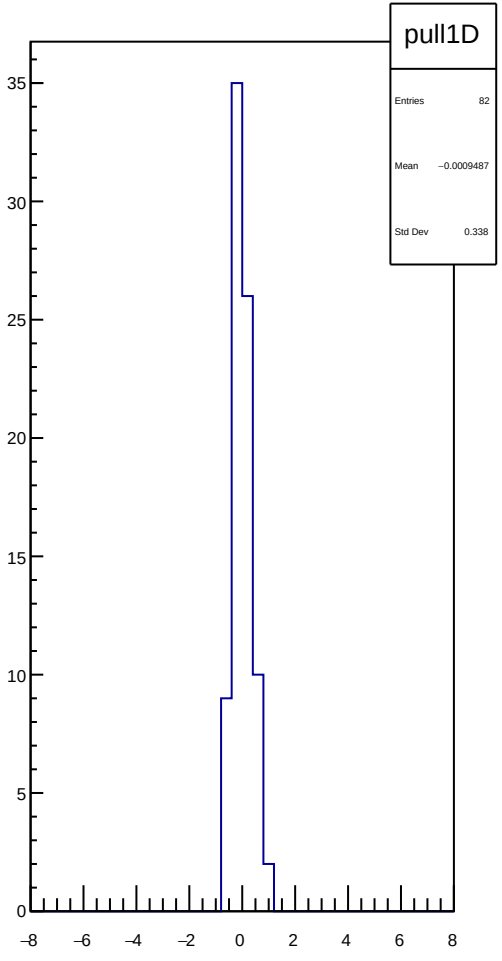

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.861 / 81
p0 159.4 ± 0.5343
170
165
160
155
150
pull
Entries 82
Mean −689
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean 0.005016
Std Dev 0.3287
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

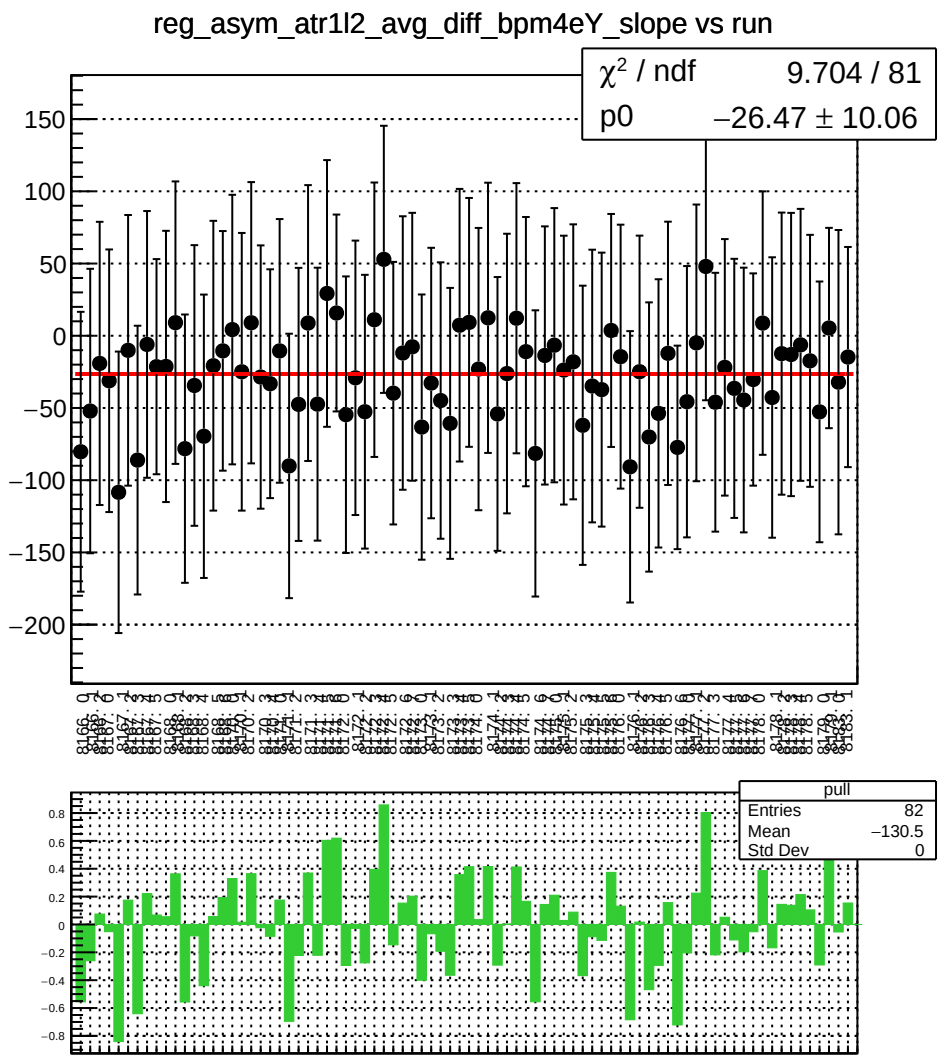

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 9.953 / 81
p0 −339.9 ± 5.069
−250
−300
−350
−400
−450
pull
Entries 82
Mean −328.8
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 82
Mean 0.001297
Std Dev 0.3484
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

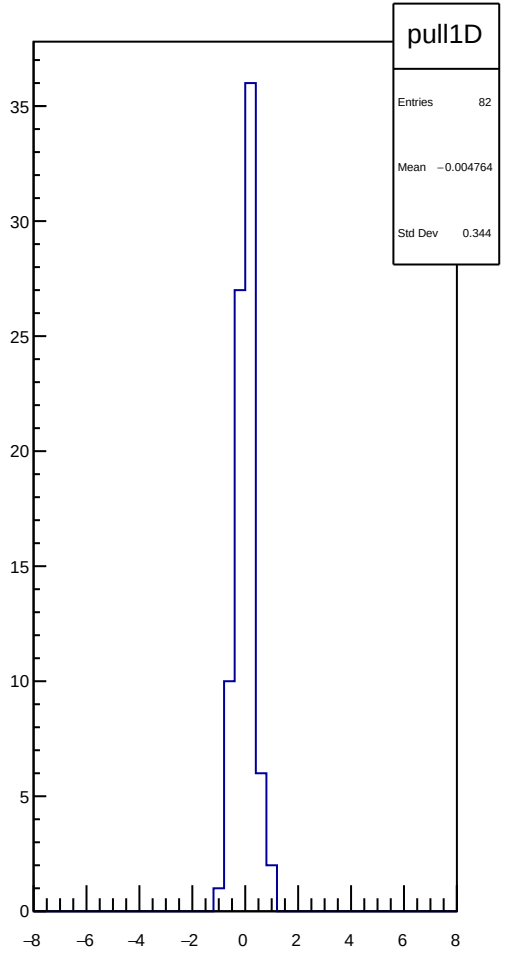

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.39 / 81
p0 92.11 ± 9.402
pull
Entries 82
Mean −134.1
Std Dev 0

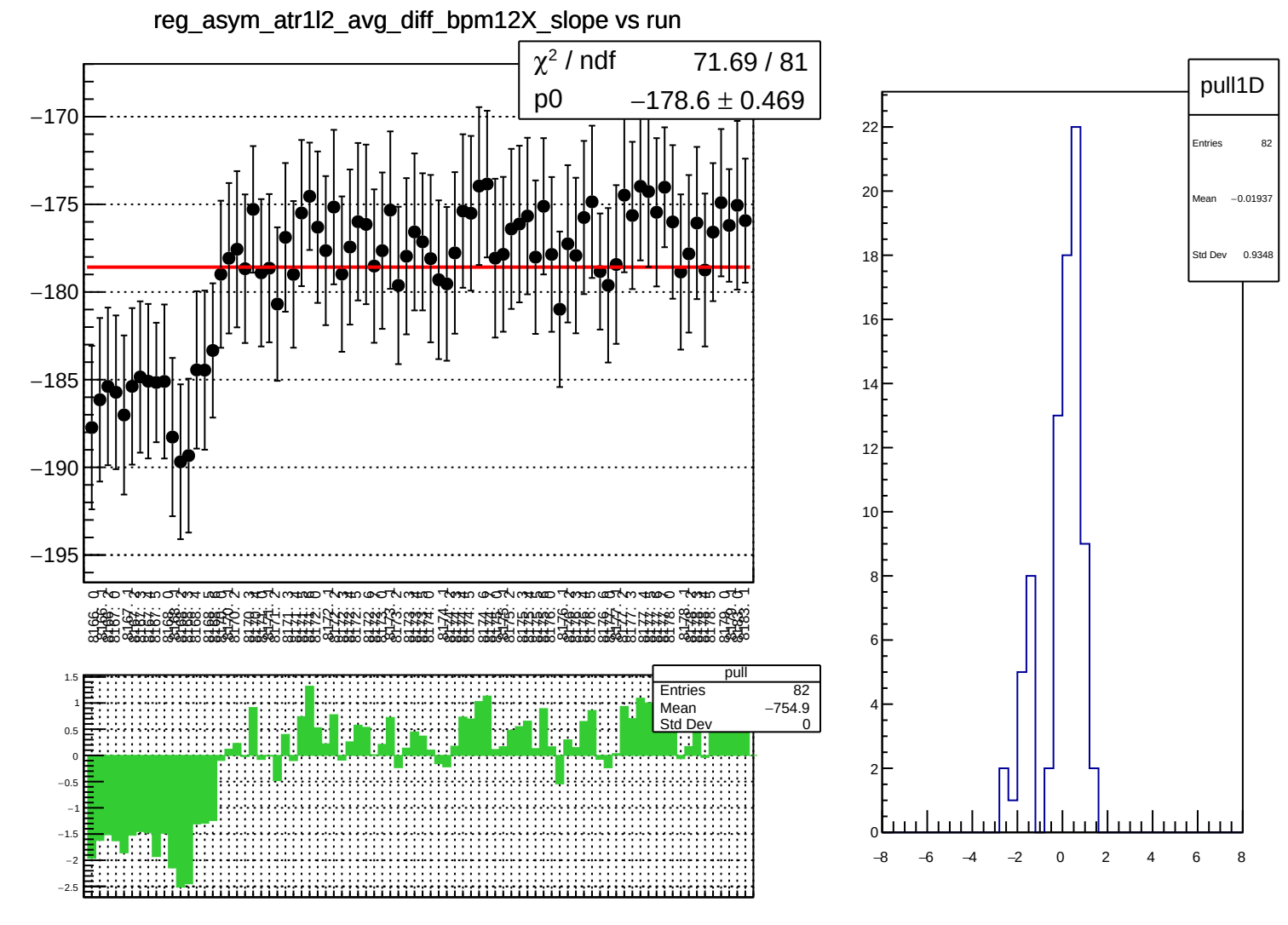

pull1D
Entries 82
Mean 0.004621
Std Dev 0.3384

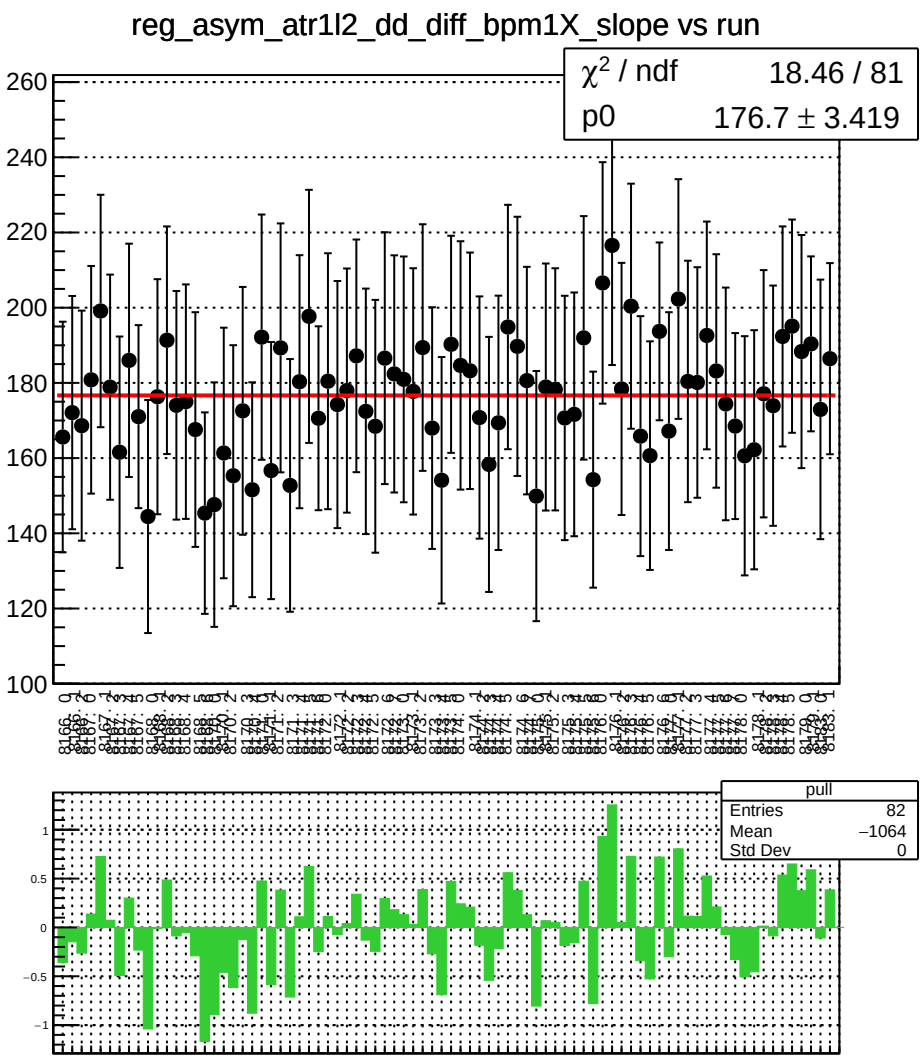

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.369 / 81
p0 235.1 ± 5.081
pull
Entries 82
Mean −423.8
Std Dev 0

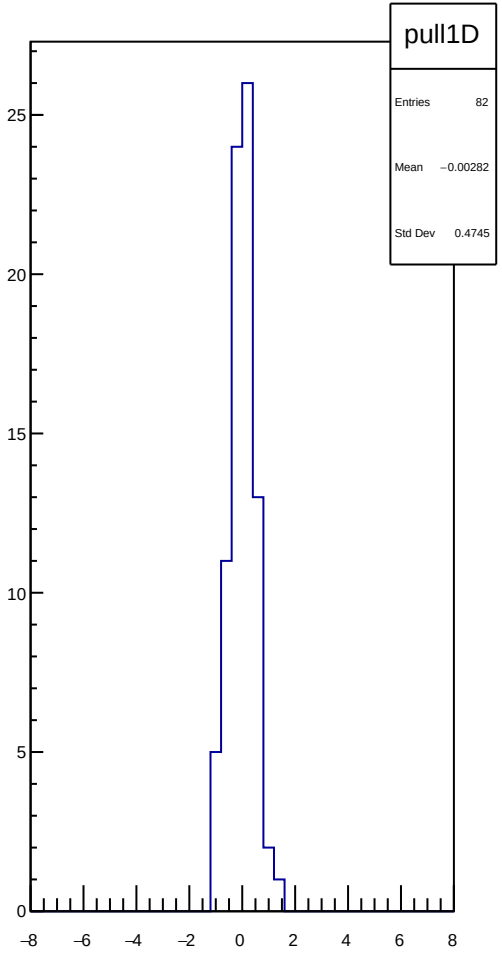

pull1D
Entries 82
Mean −0.0009487
Std Dev 0.338

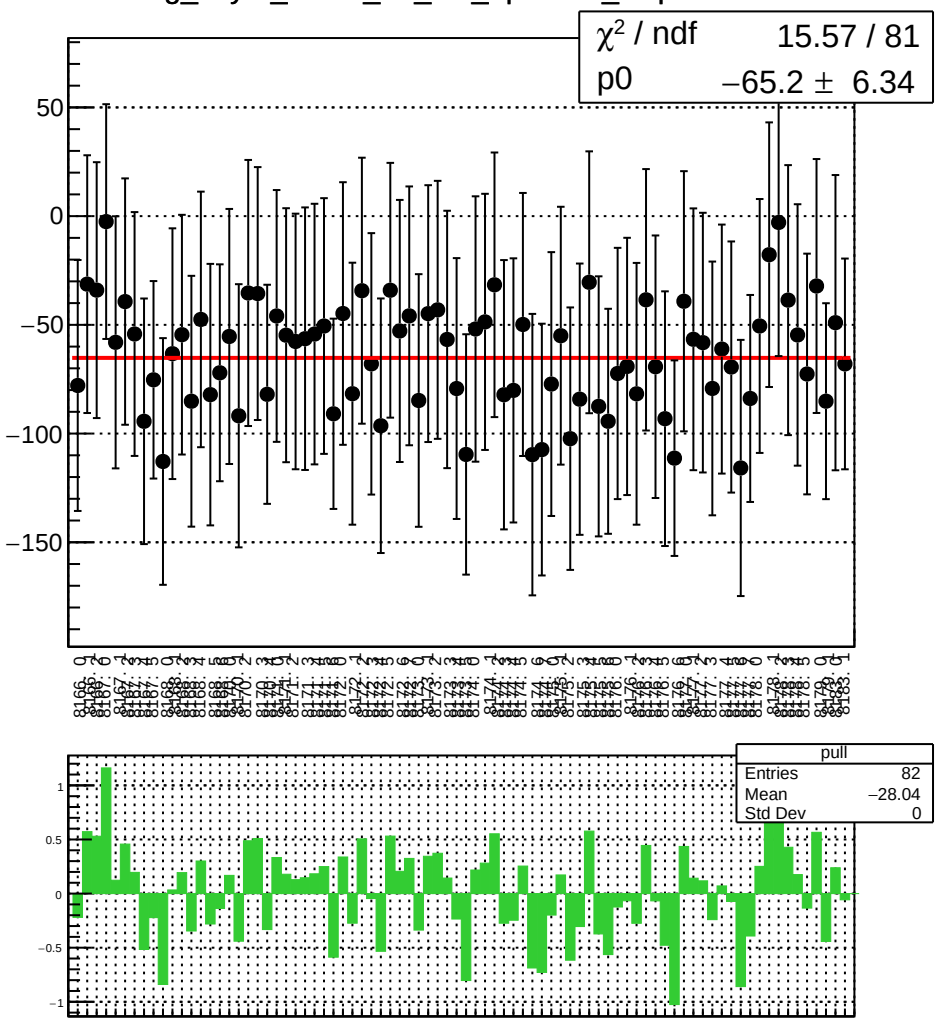

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.704 / 81
p0 −26.47 ± 10.06
150
100
50
0
−50
−100
−150
−200
pull
Entries 82
Mean −130.5
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

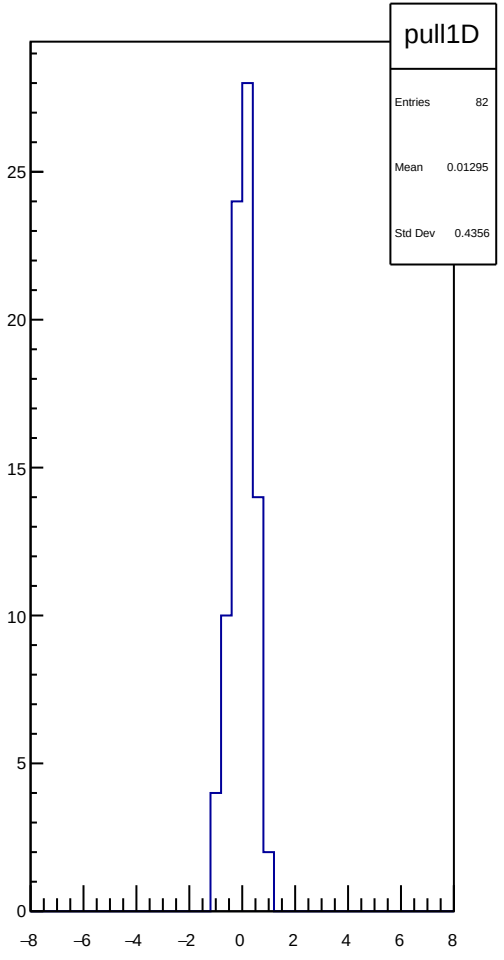

pull1D
Entries 82
Mean −0.004764
Std Dev 0.344
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

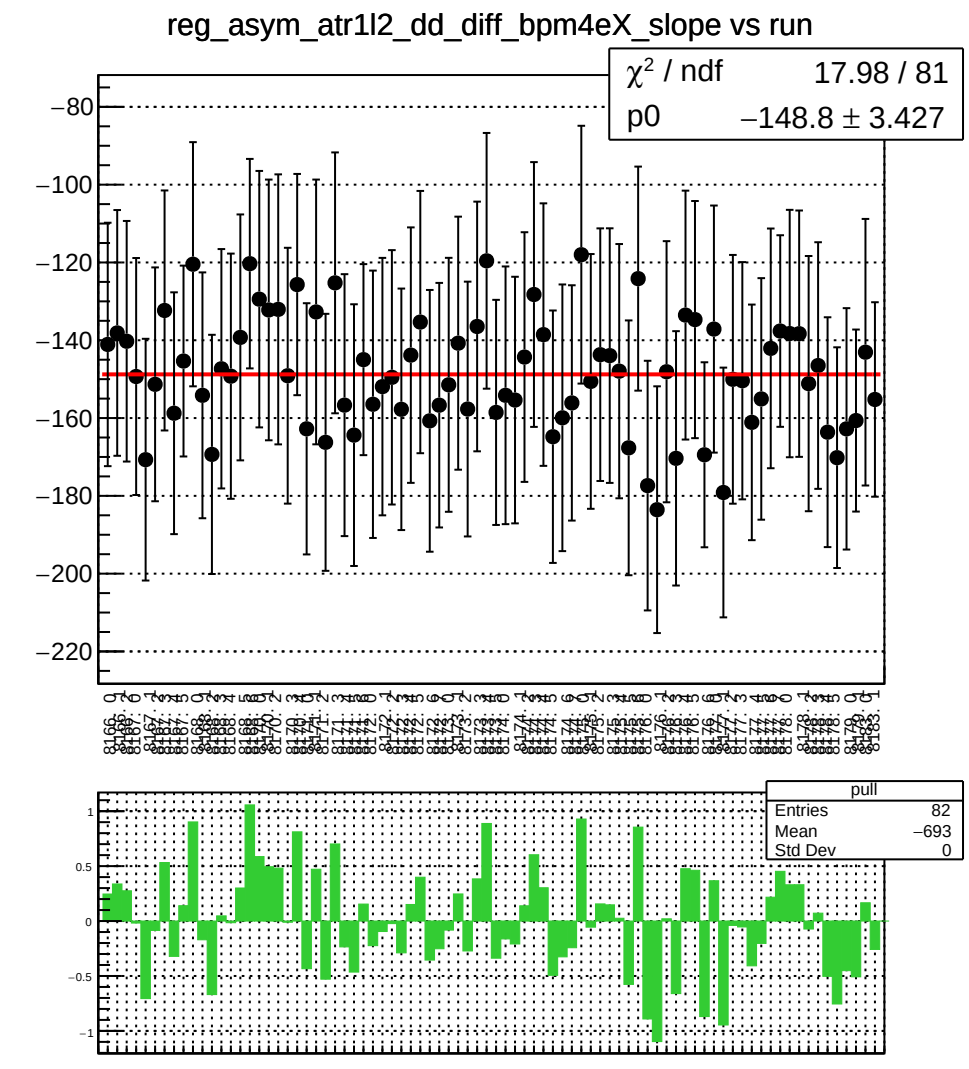

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 71.69 / 81
p0 −178.6 ± 0.469
pull
Entries 82
Mean −754.9
Std Dev 0
pull1D
Entries 82
Mean −0.01937
Std Dev 0.9348

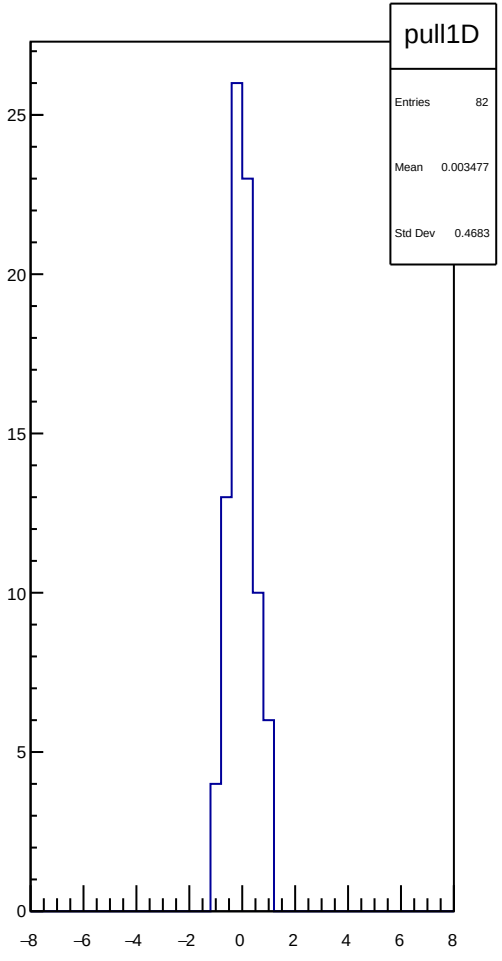

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.46 / 81
p0 176.7 ± 3.419
pull
Entries 82
Mean −1064
Std Dev 0

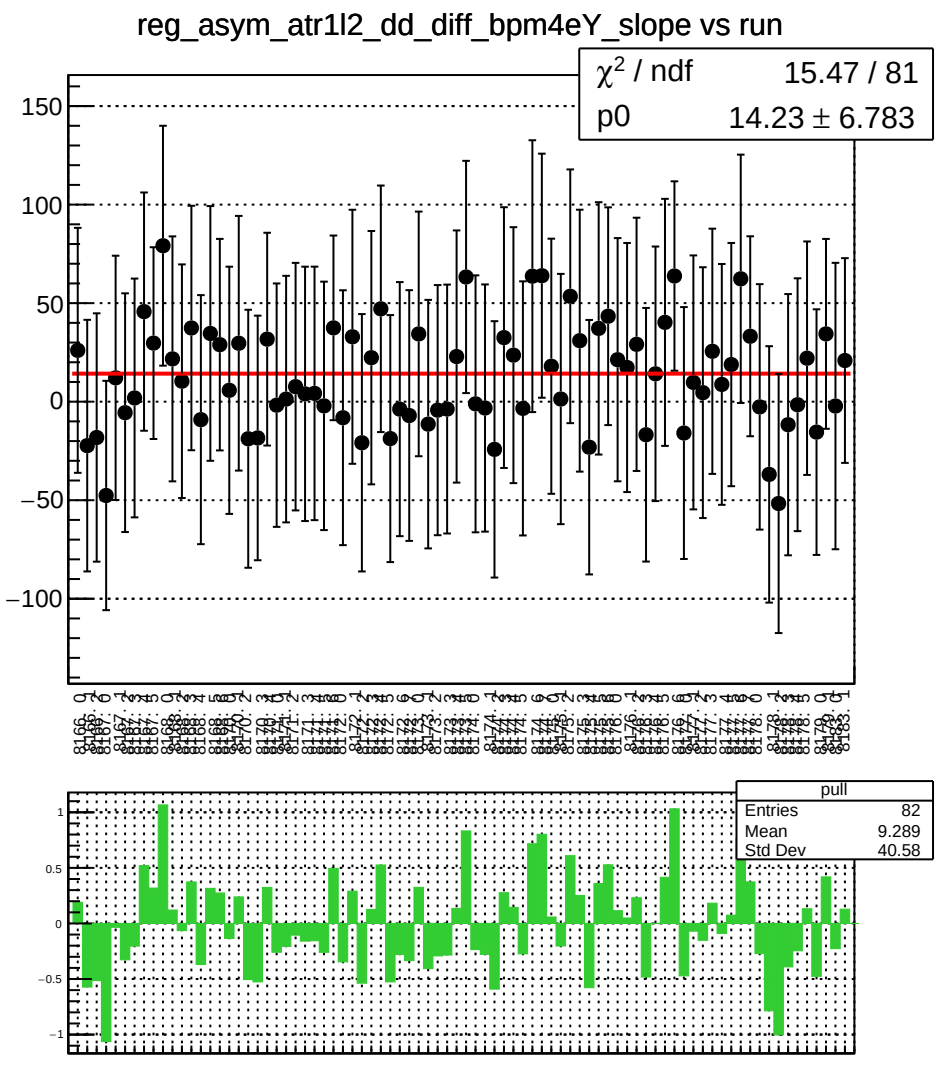

pull1D
Entries 82
Mean −0.00282
Std Dev 0.4745

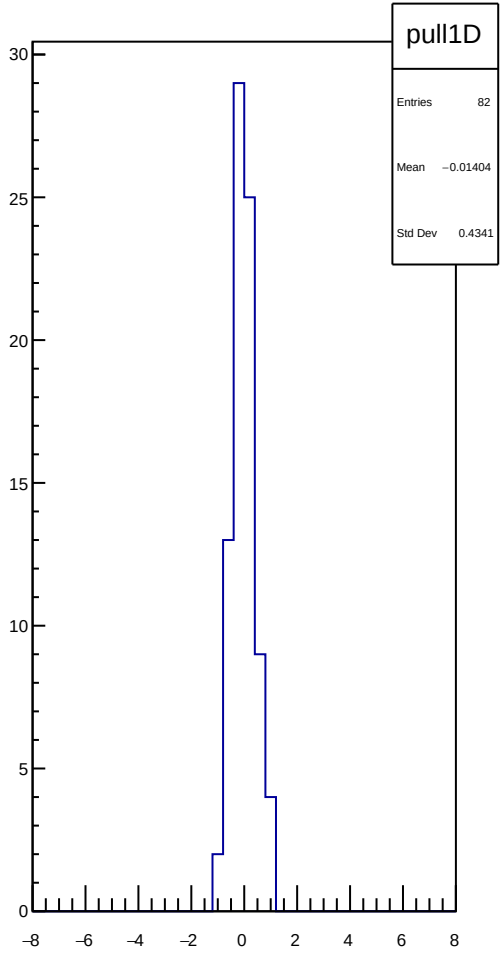

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.57 / 81
p0 −65.2 ± 6.34
50
0
−50
−100
−150
pull
Entries 82
Mean −28.04
Std Dev 0
1
0.5
0
−0.5
−1

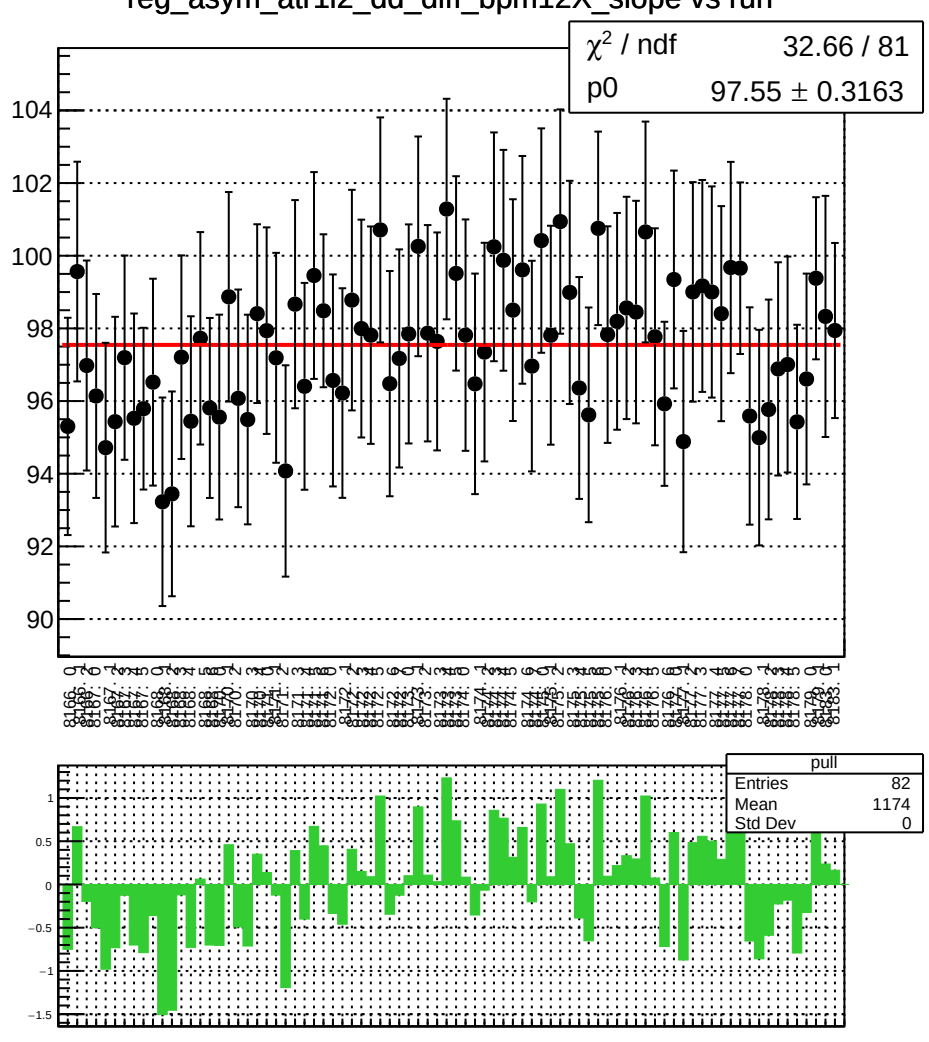

pull1D
Entries 82
Mean 0.01295
Std Dev 0.4356
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

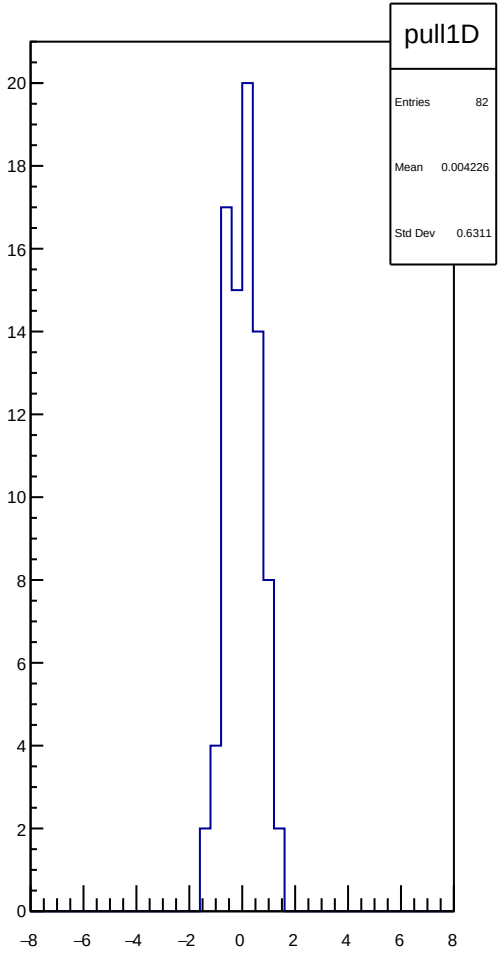

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.98 / 81
p0 −148.8 ± 3.427
pull
Entries 82
Mean −693
Std Dev 0

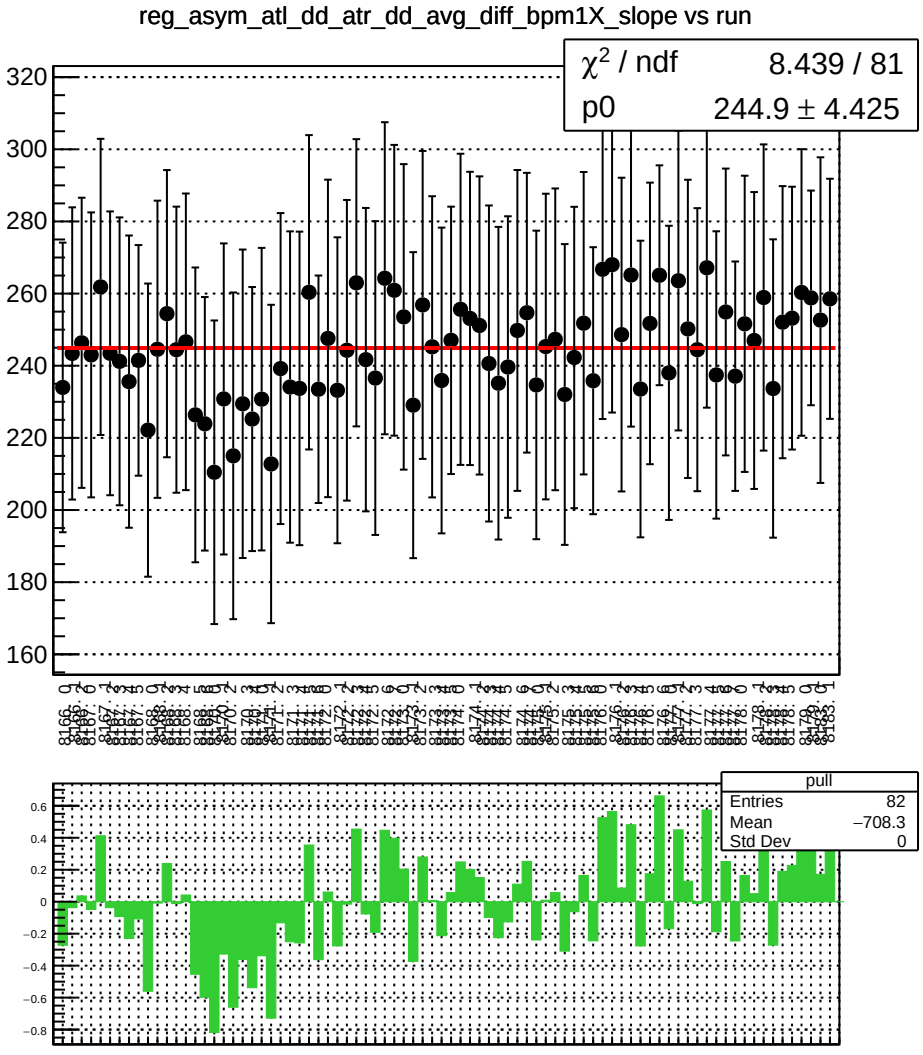

pull1D
Entries 82
Mean 0.003477
Std Dev 0.4683

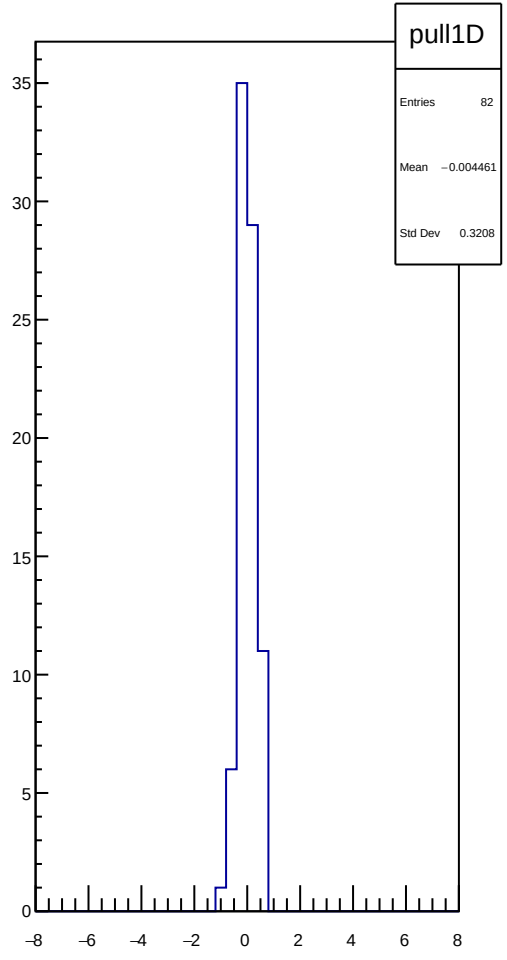

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.47 / 81
p0 14.23 ± 6.783
150
100
50
0
−50
−100
pull
Entries 82
Mean 9.289
Std Dev 40.58
1
0.5
0
−0.5
−1

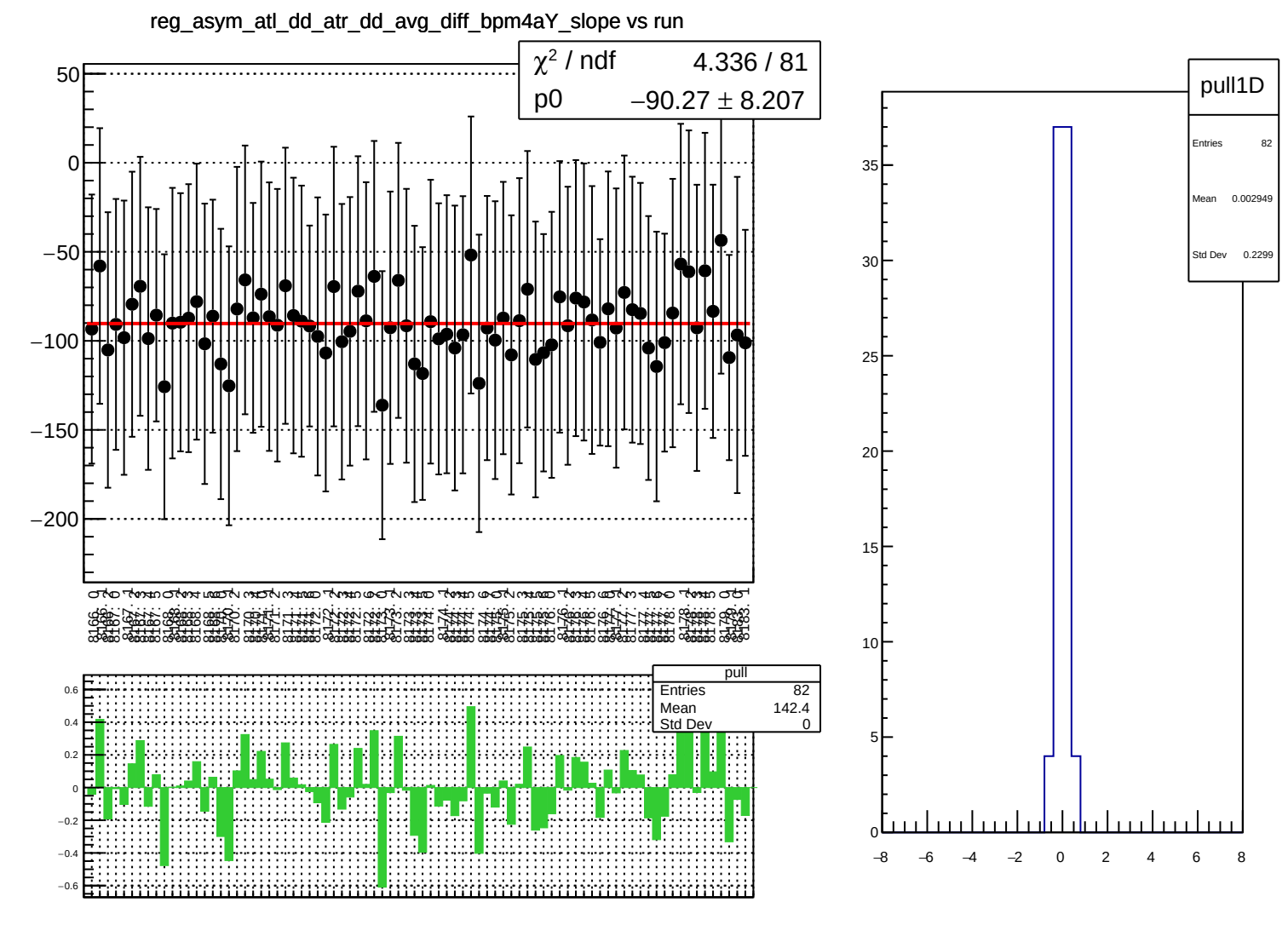

pull1D
Entries 82
Mean −0.01404
Std Dev 0.4341
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

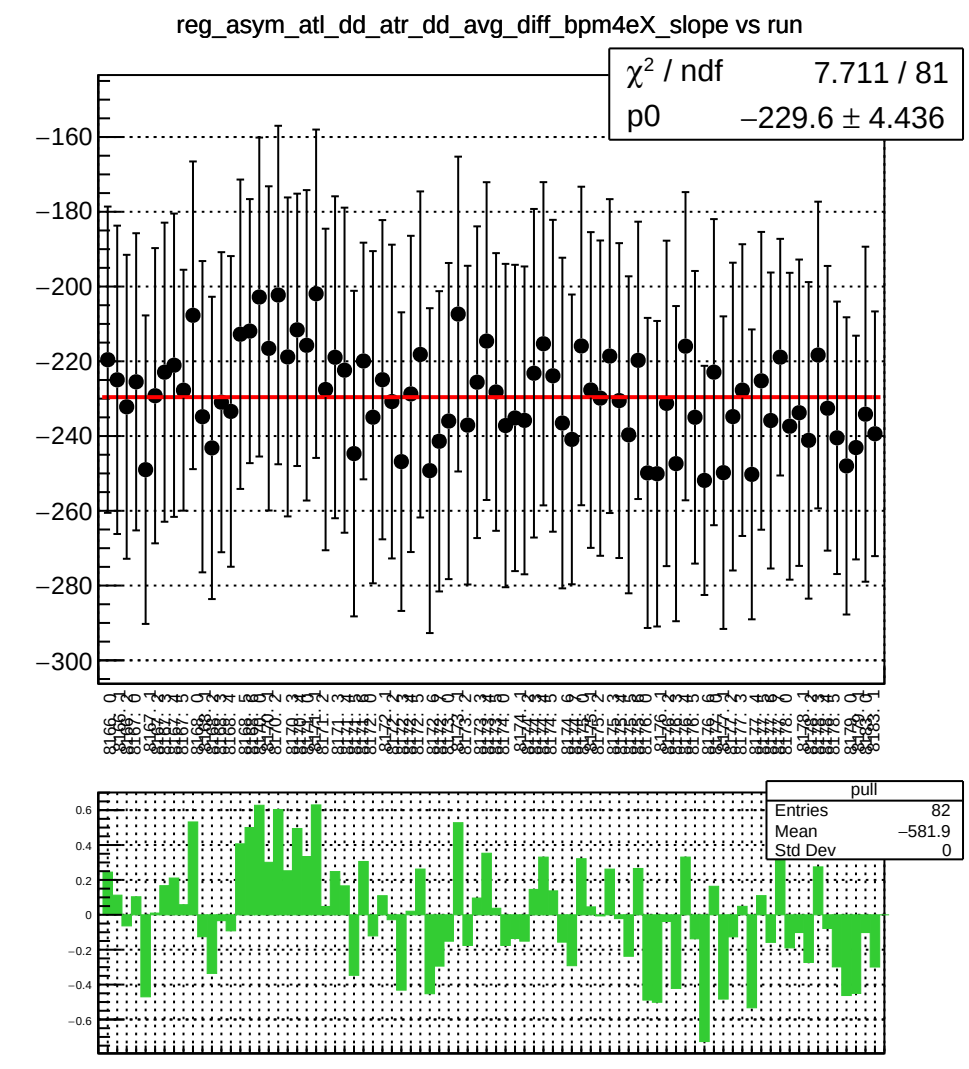

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 32.66 / 81
p0 97.55 ± 0.3163
pull
Entries 82
Mean 1174
Std Dev 0

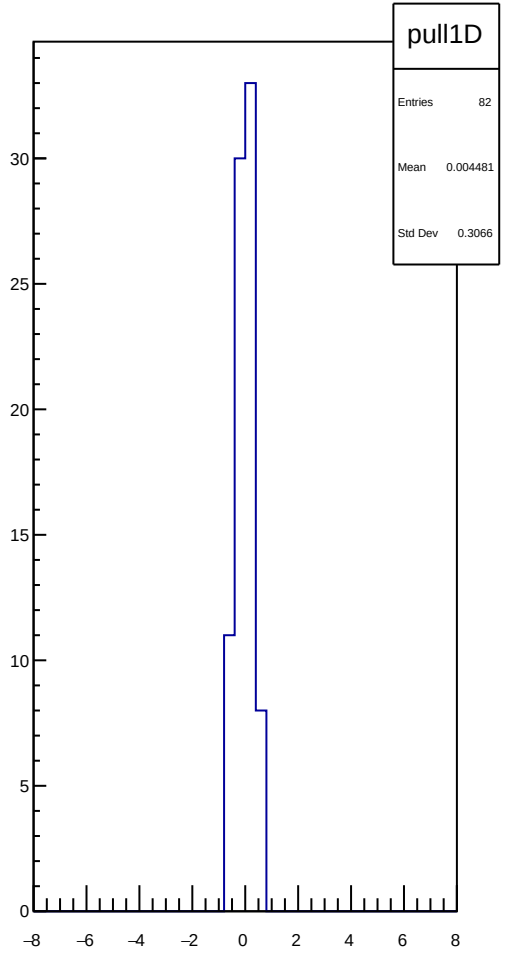

pull1D
Entries 82
Mean 0.004226
Std Dev 0.6311

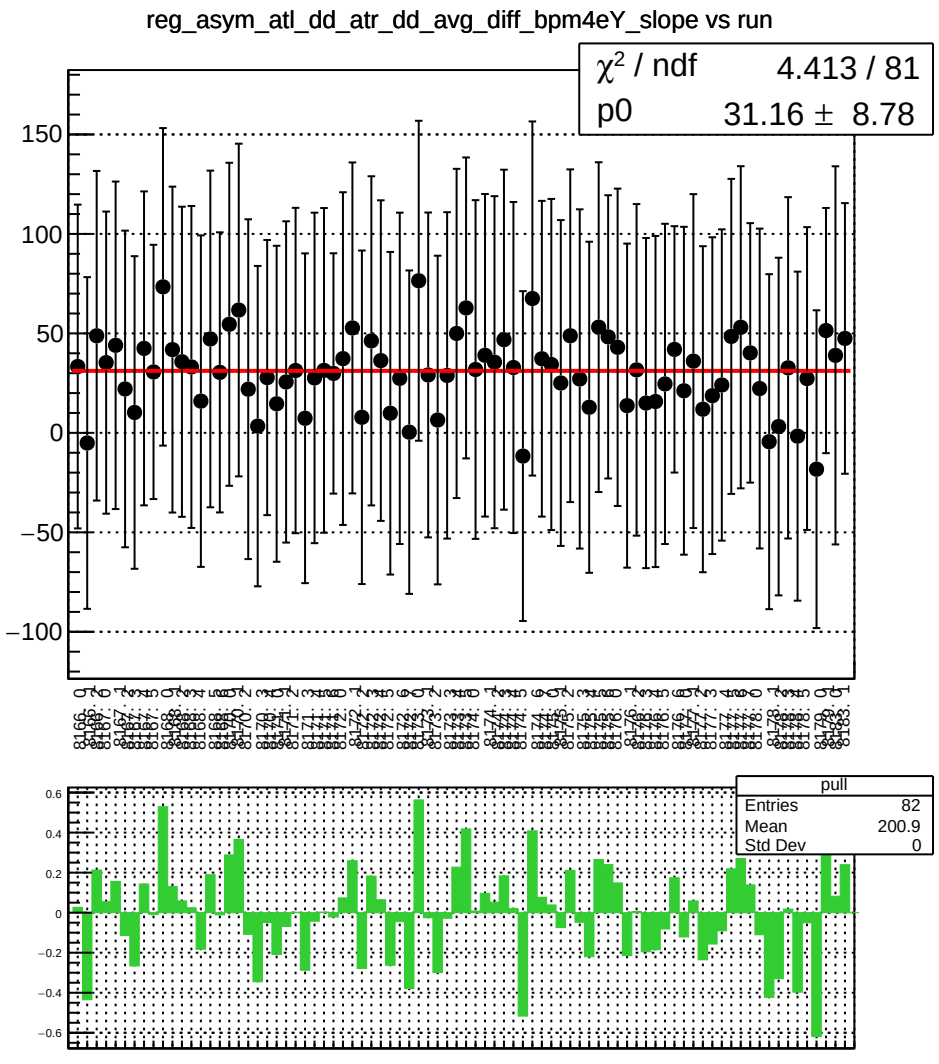

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 8.439 / 81
p0 244.9 ± 4.425
320
300
280
260
240
220
200
180
160
pull
Entries 82
Mean −708.3
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

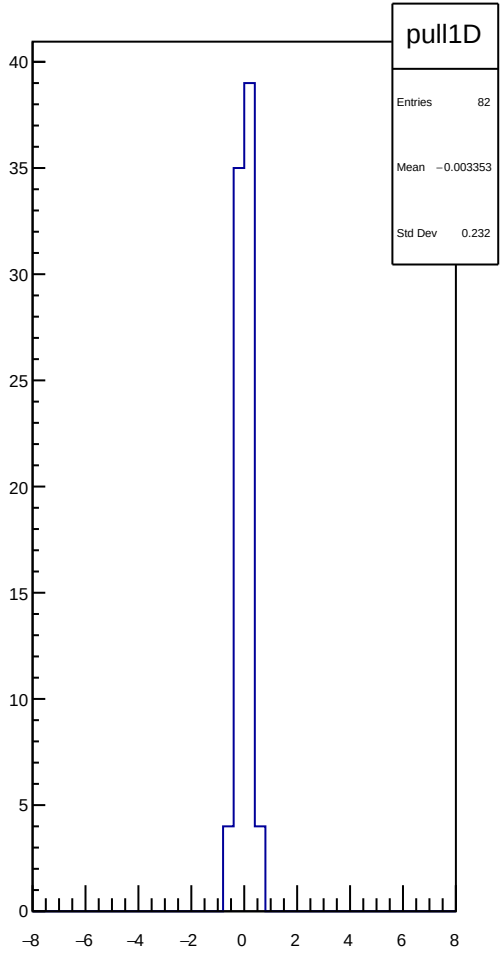

pull1D
Entries 82
Mean −0.004461
Std Dev 0.3208
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

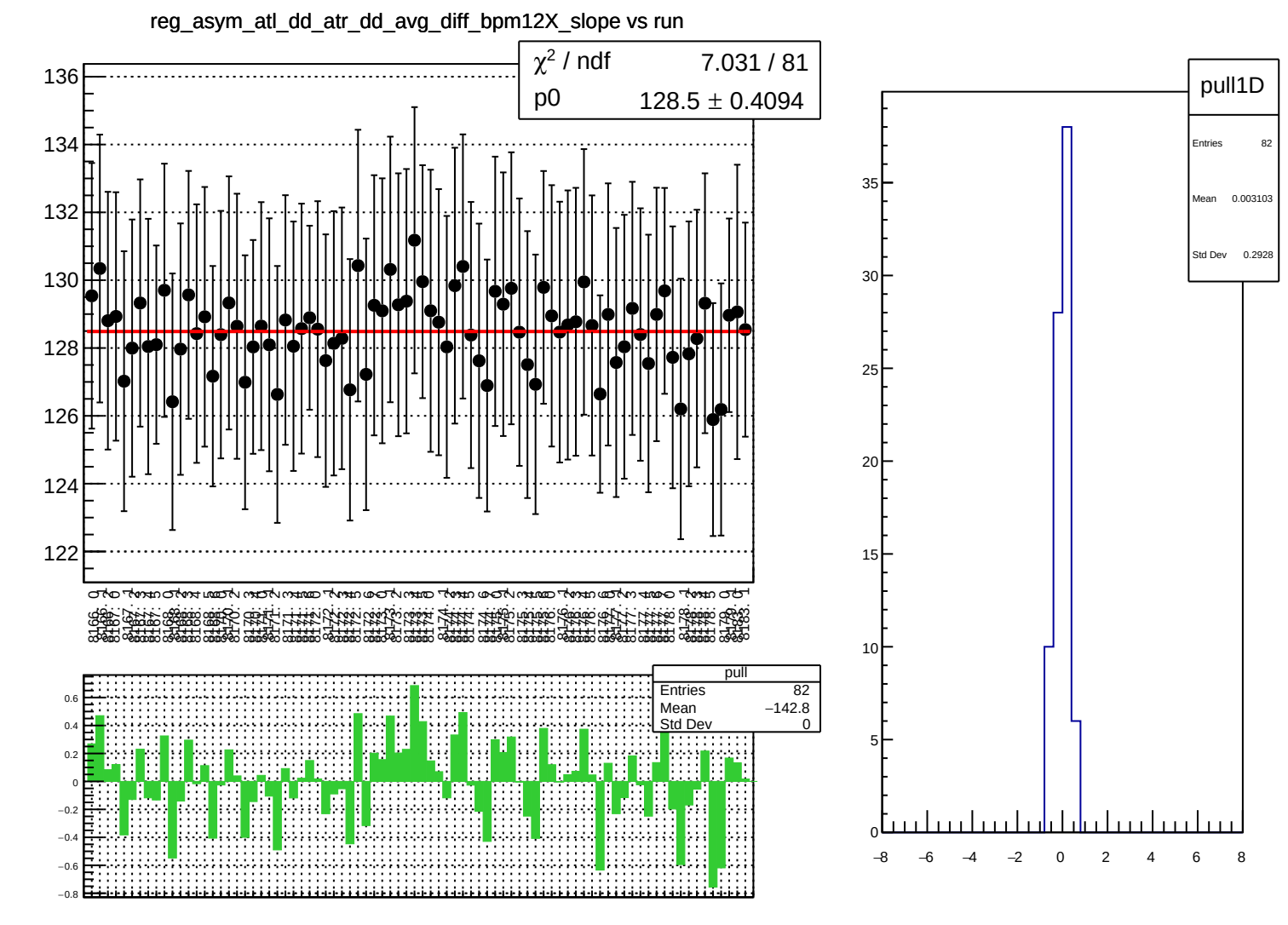

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.336 / 81
p0 −90.27 ± 8.207
pull
Entries 82
Mean 142.4
Std Dev 0
pull1D
Entries 82
Mean 0.002949
Std Dev 0.2299

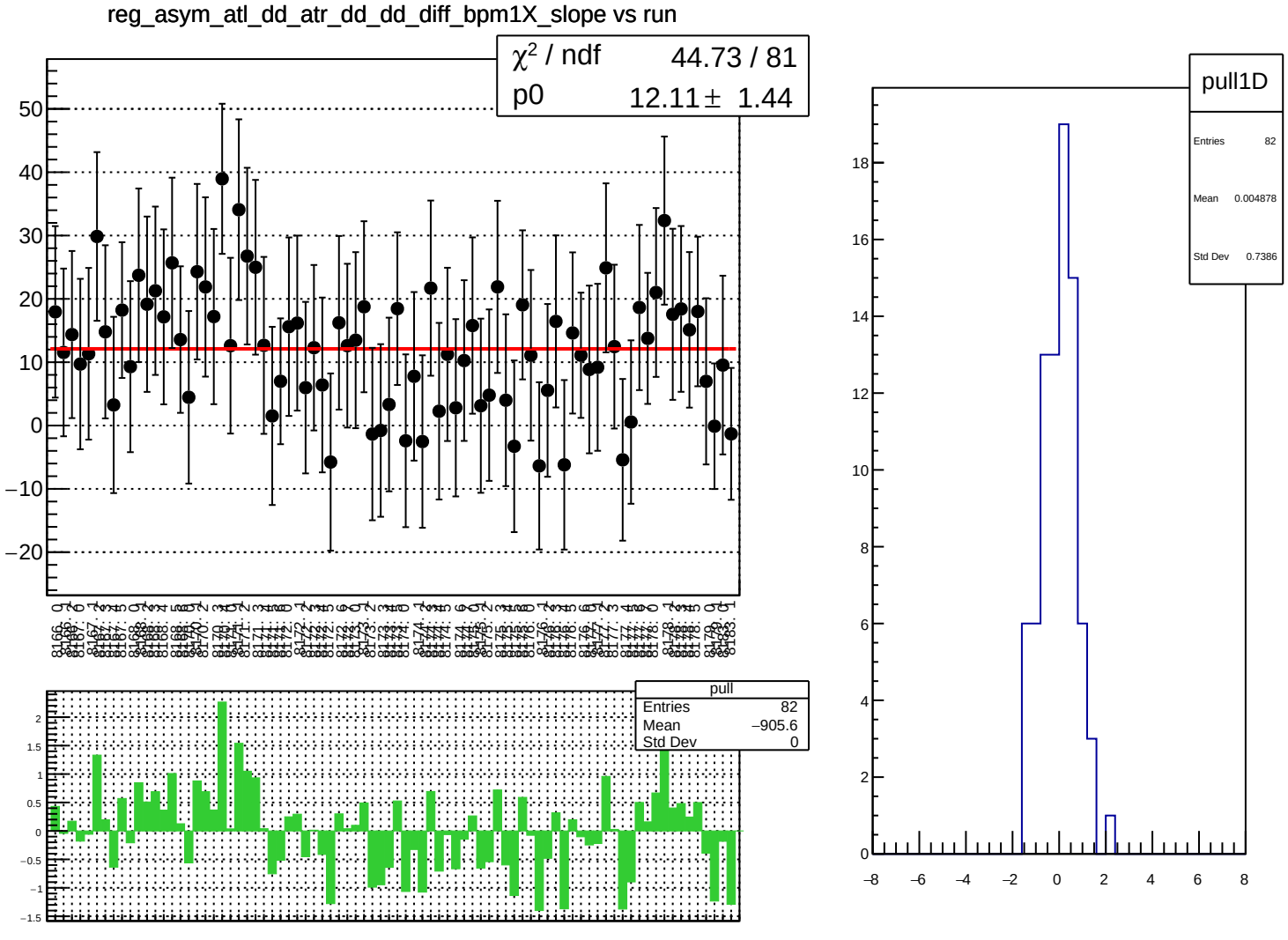

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.711 / 81
p0 −229.6 ± 4.436
pull
Entries 82
Mean −581.9
Std Dev 0

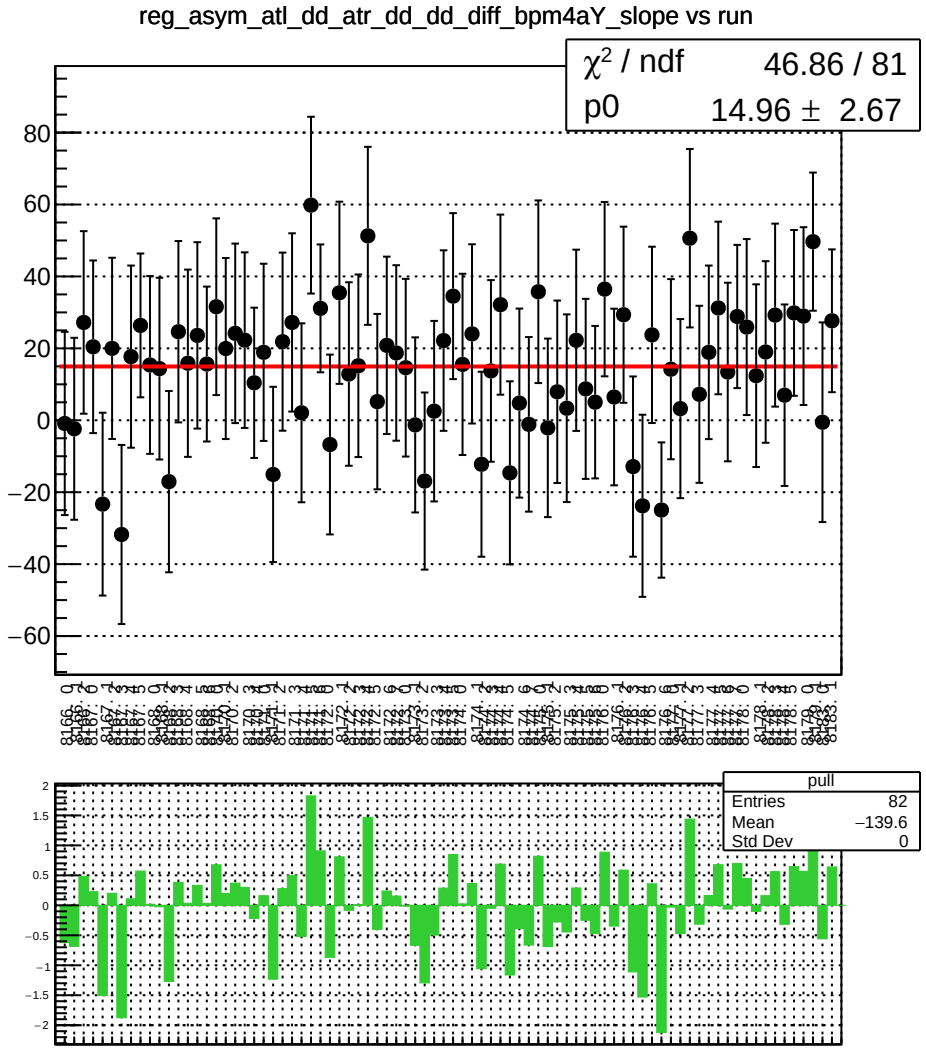

pull1D
Entries 82
Mean 0.004481
Std Dev 0.3066

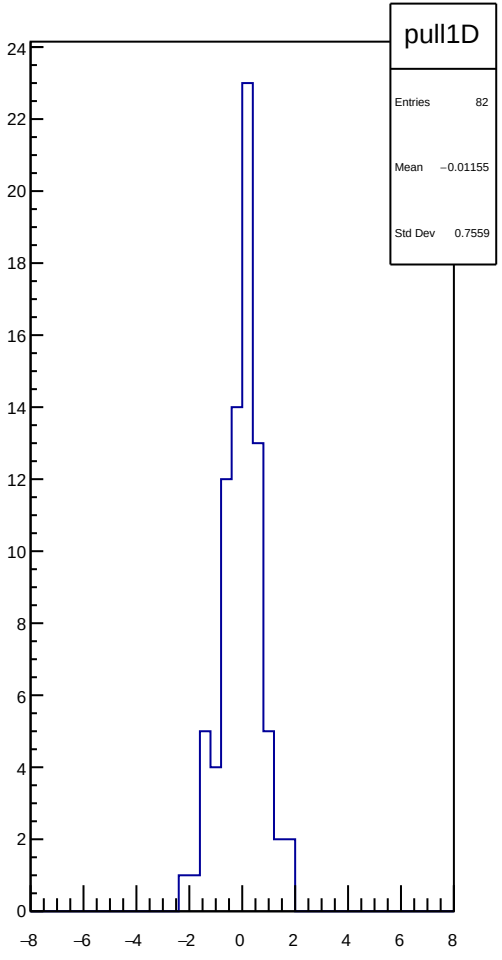

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.413 / 81
p0 31.16 ± 8.78
150
100
50
0
−50
−100
pull
Entries 82
Mean 200.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

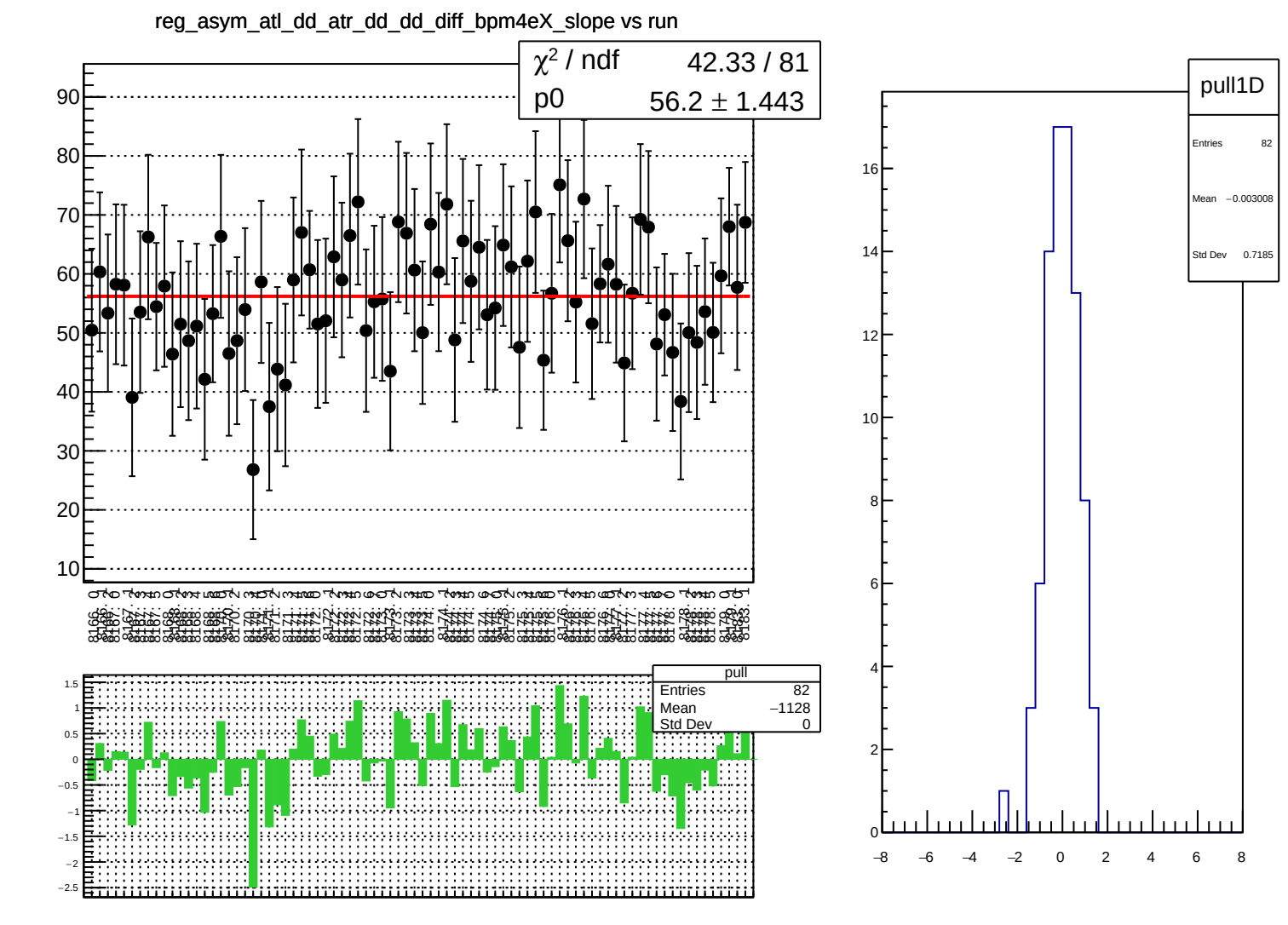

pull1D
Entries 82
Mean −0.003353
Std Dev 0.232
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

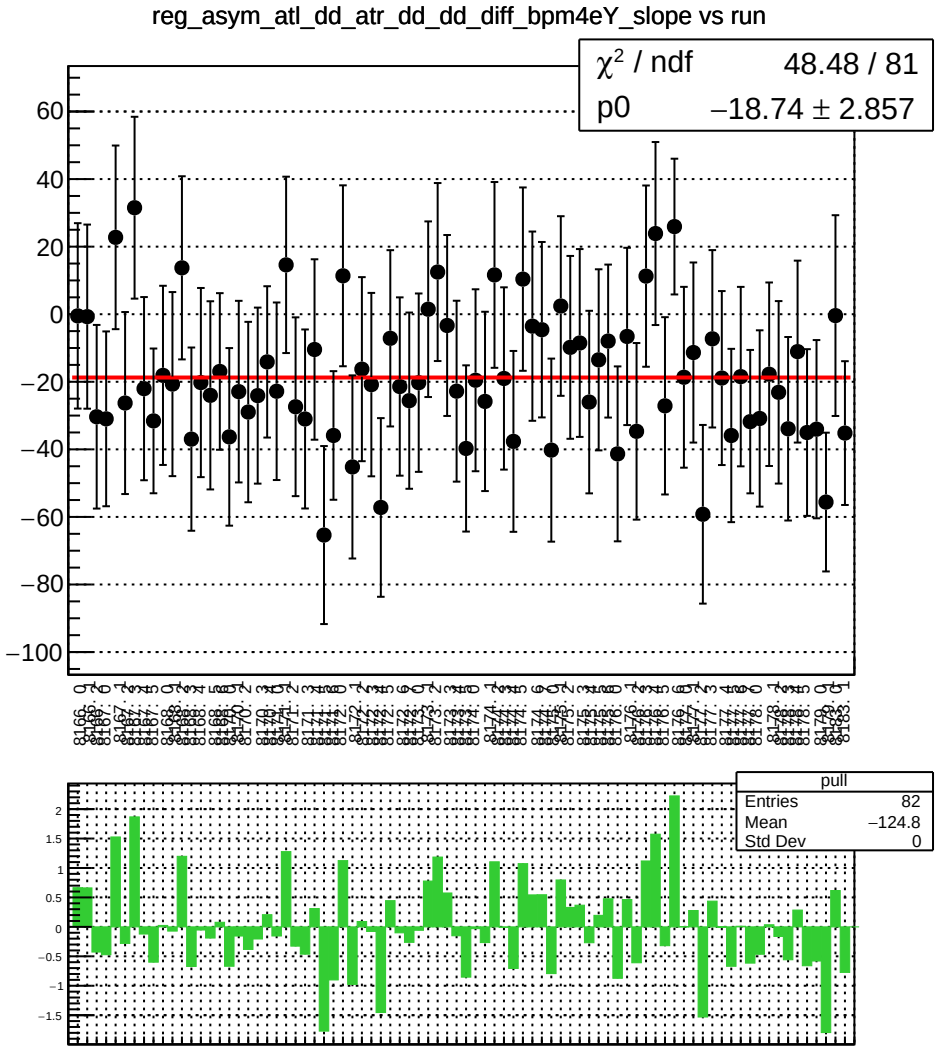

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 7.031 / 81
p0 128.5 ± 0.4094
pull
Entries 82
Mean −142.8
Std Dev 0
pull1D
Entries 82
Mean 0.003103
Std Dev 0.2928

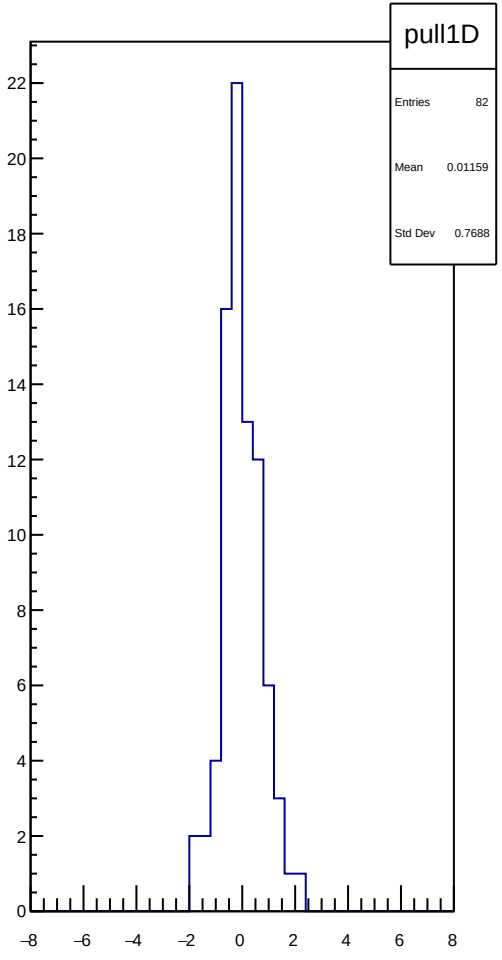

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 44.73 / 81
p0 12.11 ± 1.44
pull
Entries 82
Mean −905.6
Std Dev 0
pull1D
Entries 82
Mean 0.004878
Std Dev 0.7386

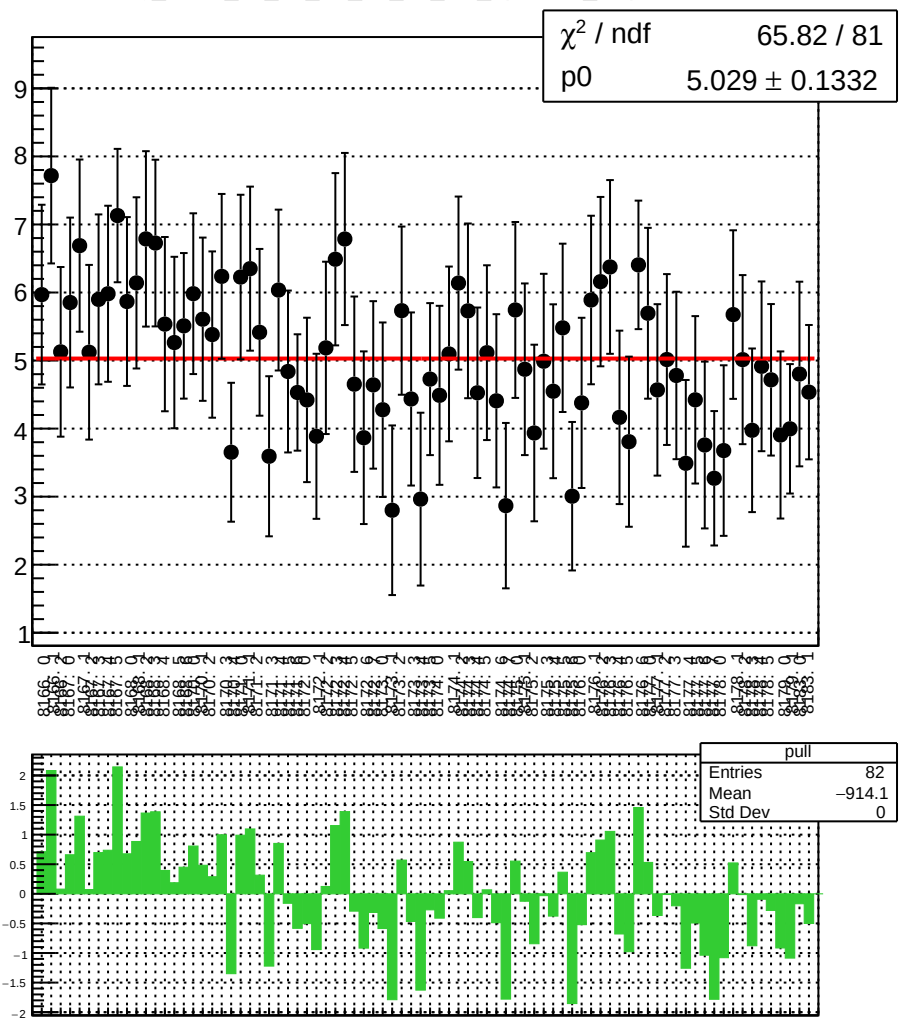

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.86 / 81
p0 14.96 ± 2.67
pull
Entries 82
Mean −139.6
Std Dev 0

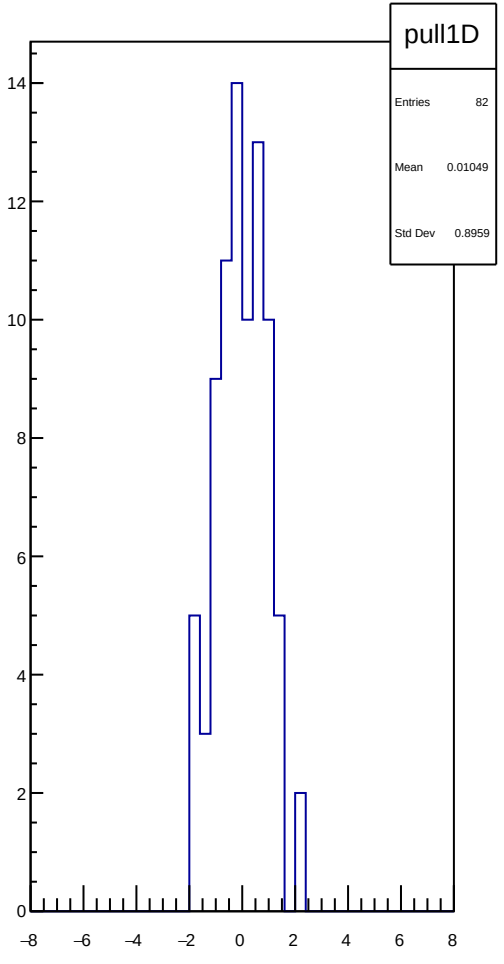

pull1D
Entries 82
Mean −0.01155
Std Dev 0.7559

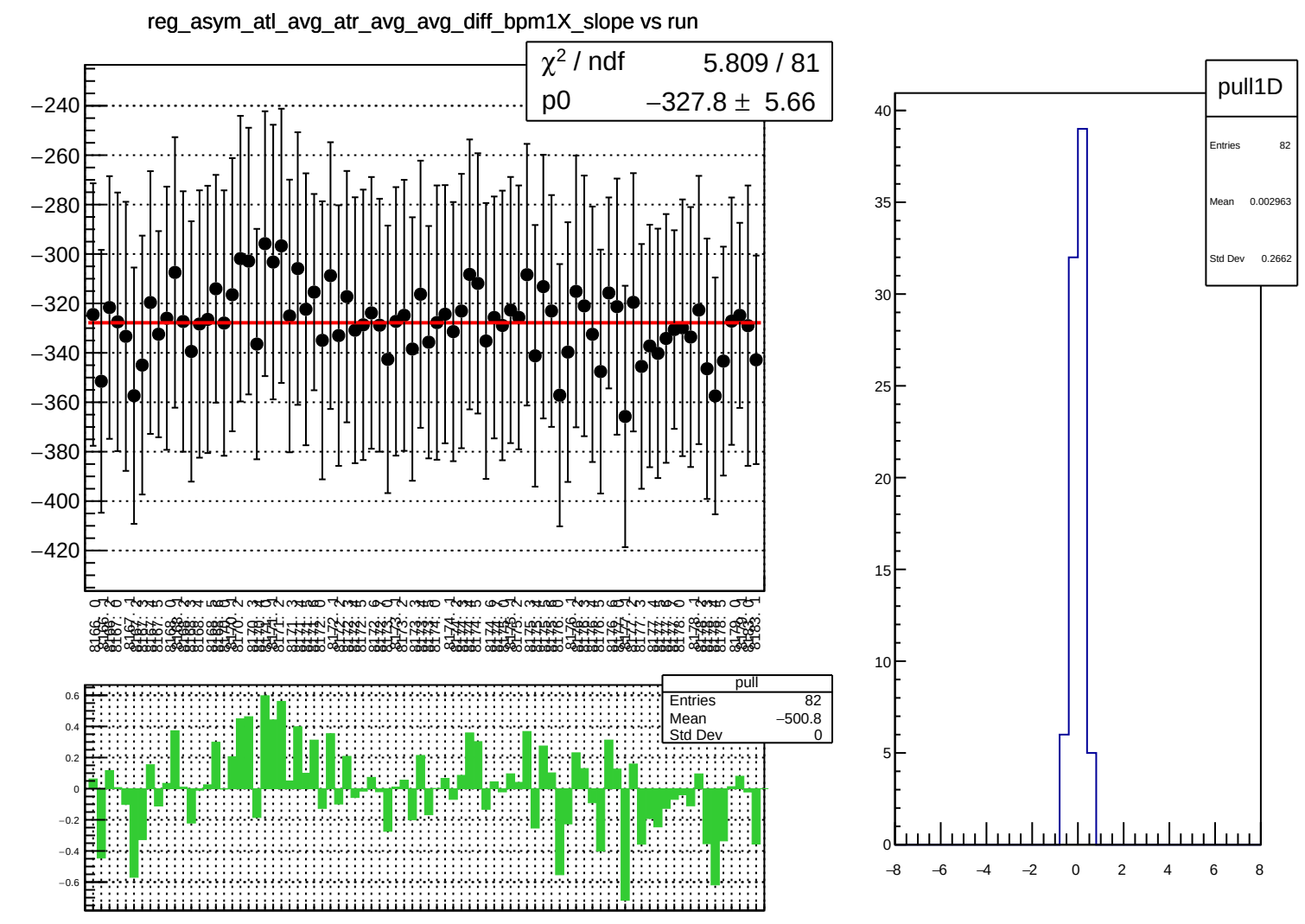

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.33 / 81
p0 56.2 ± 1.443
pull
Entries 82
Mean −1128
Std Dev 0
pull1D
Entries 82
Mean −0.003008
Std Dev 0.7185

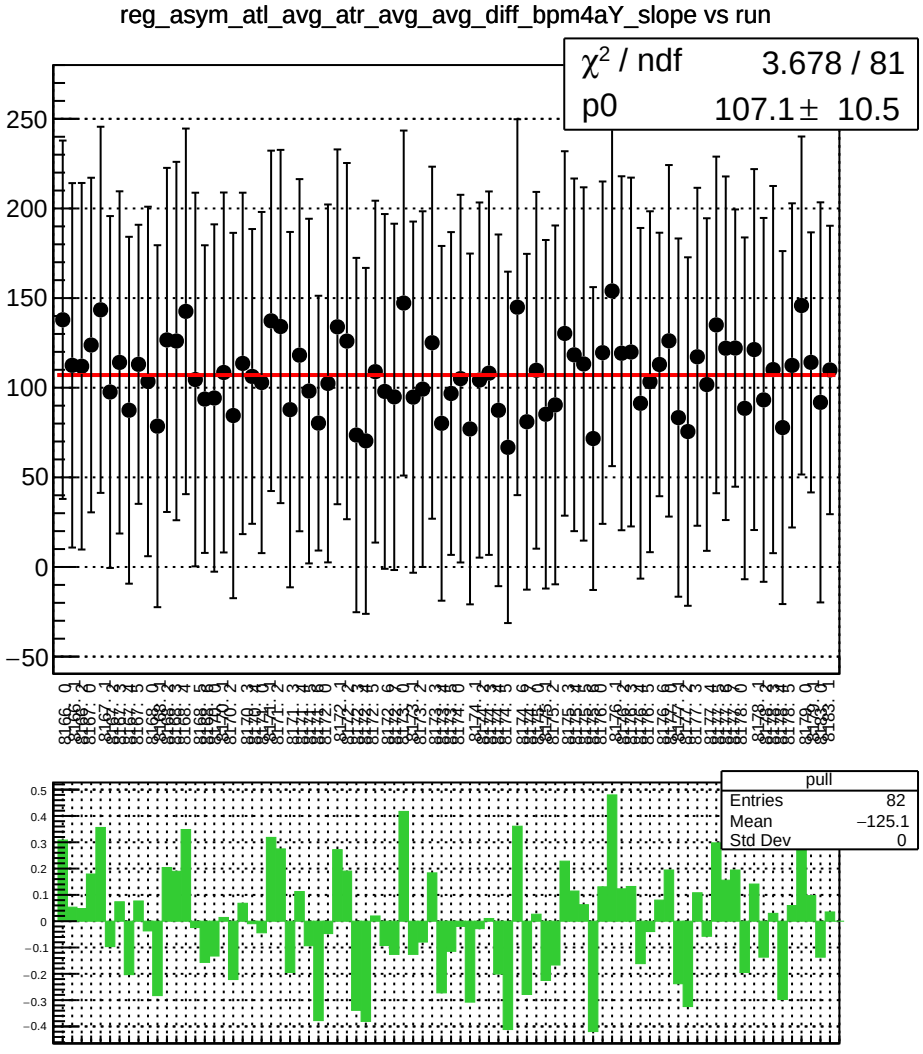

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.48 / 81
p0 −18.74 ± 2.857
pull
Entries 82
Mean −124.8
Std Dev 0

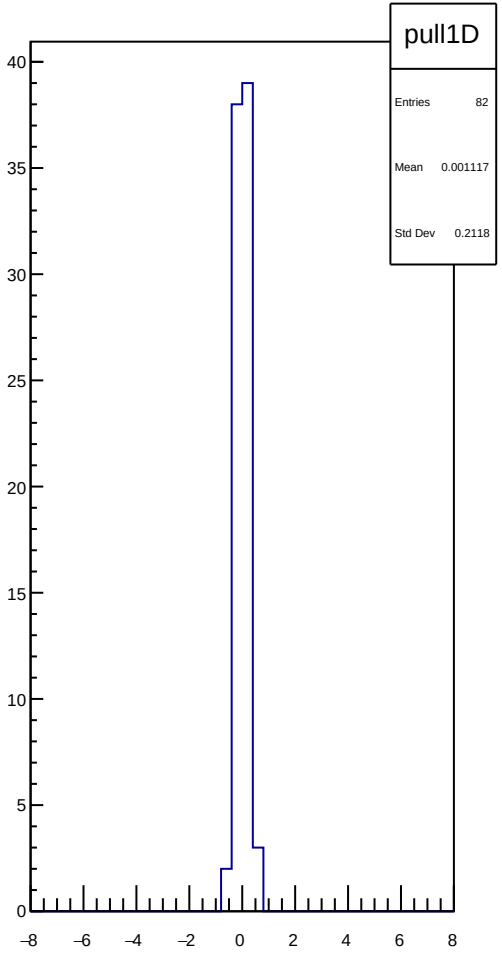

pull1D
Entries 82
Mean 0.01159
Std Dev 0.7688

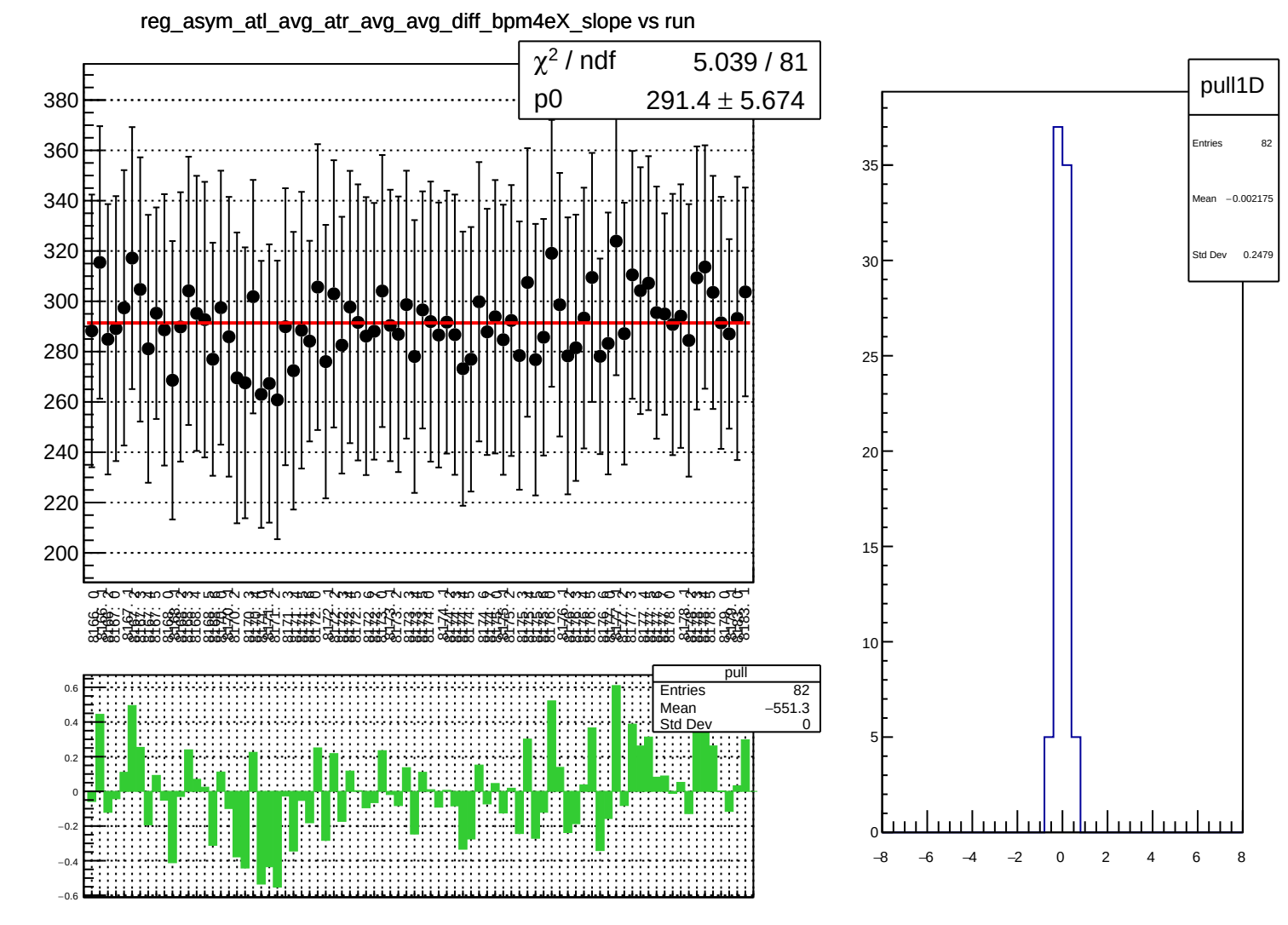

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 65.82 / 81
p0 5.029 ± 0.1332
pull
Entries 82
Mean −914.1
Std Dev 0

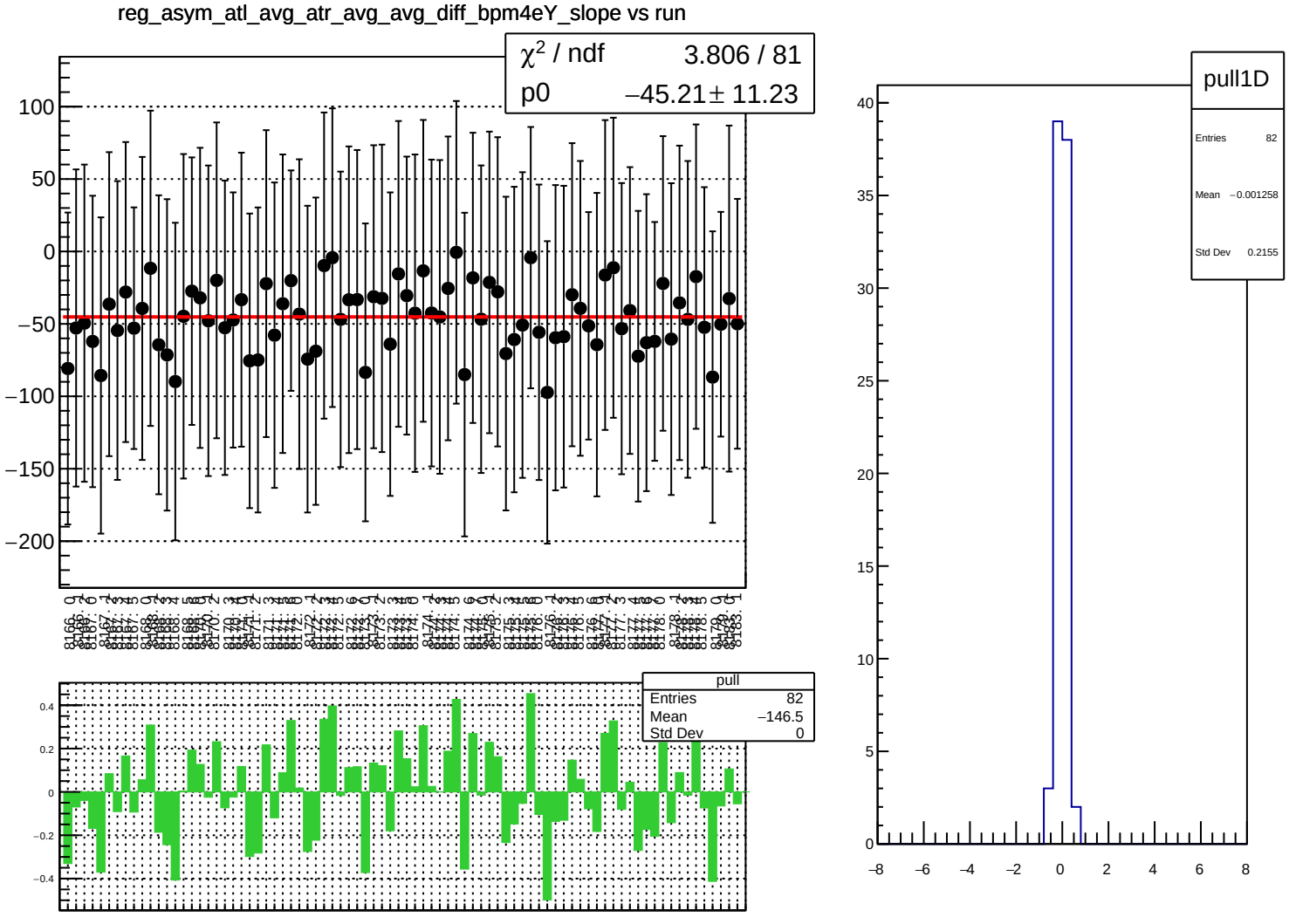

pull1D
Entries 82
Mean 0.01049
Std Dev 0.8959

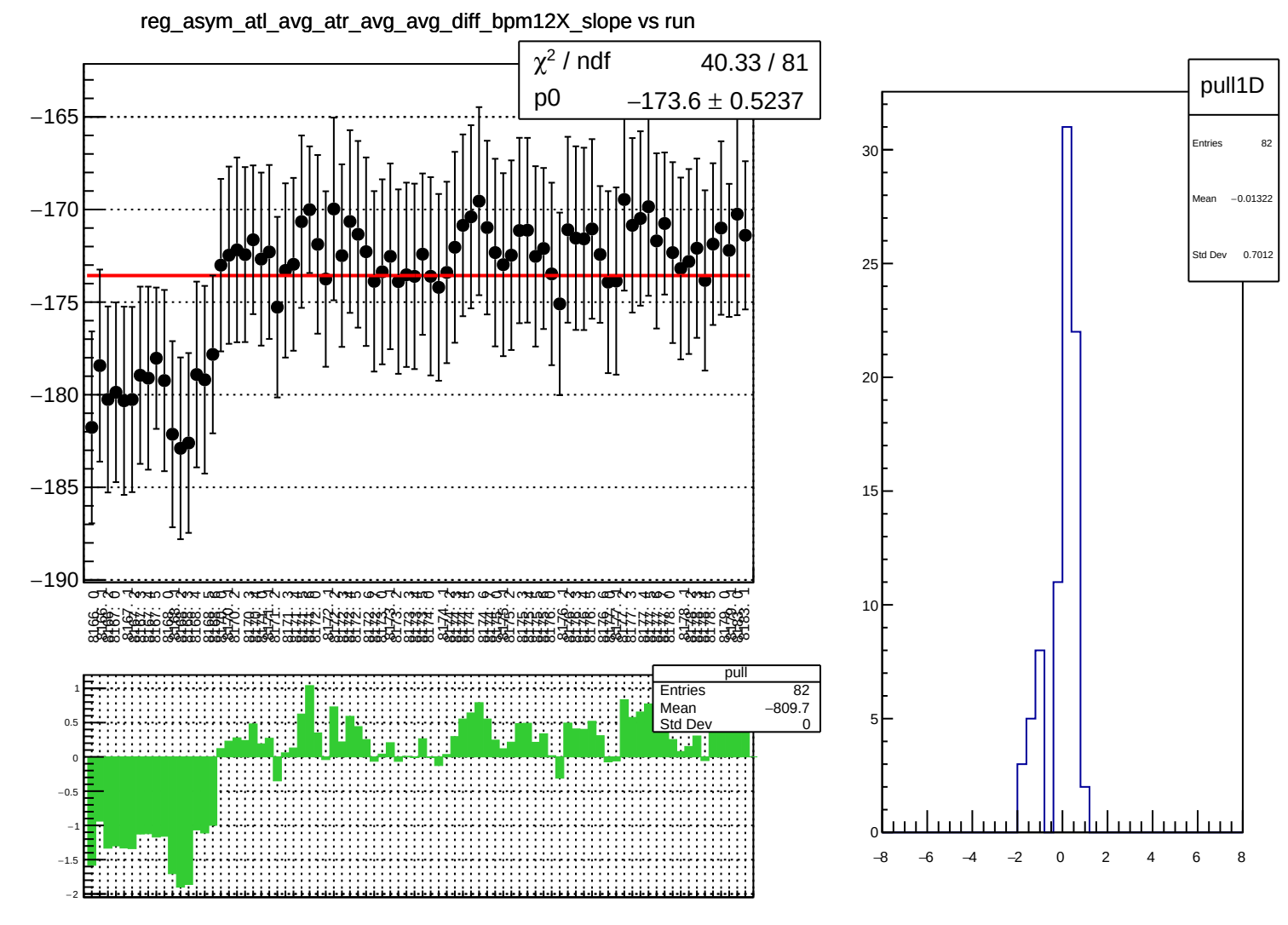

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.809 / 81
p0 −327.8 ± 5.66
pull
Entries 82
Mean −500.8
Std Dev 0
pull1D
Entries 82
Mean 0.002963
Std Dev 0.2662

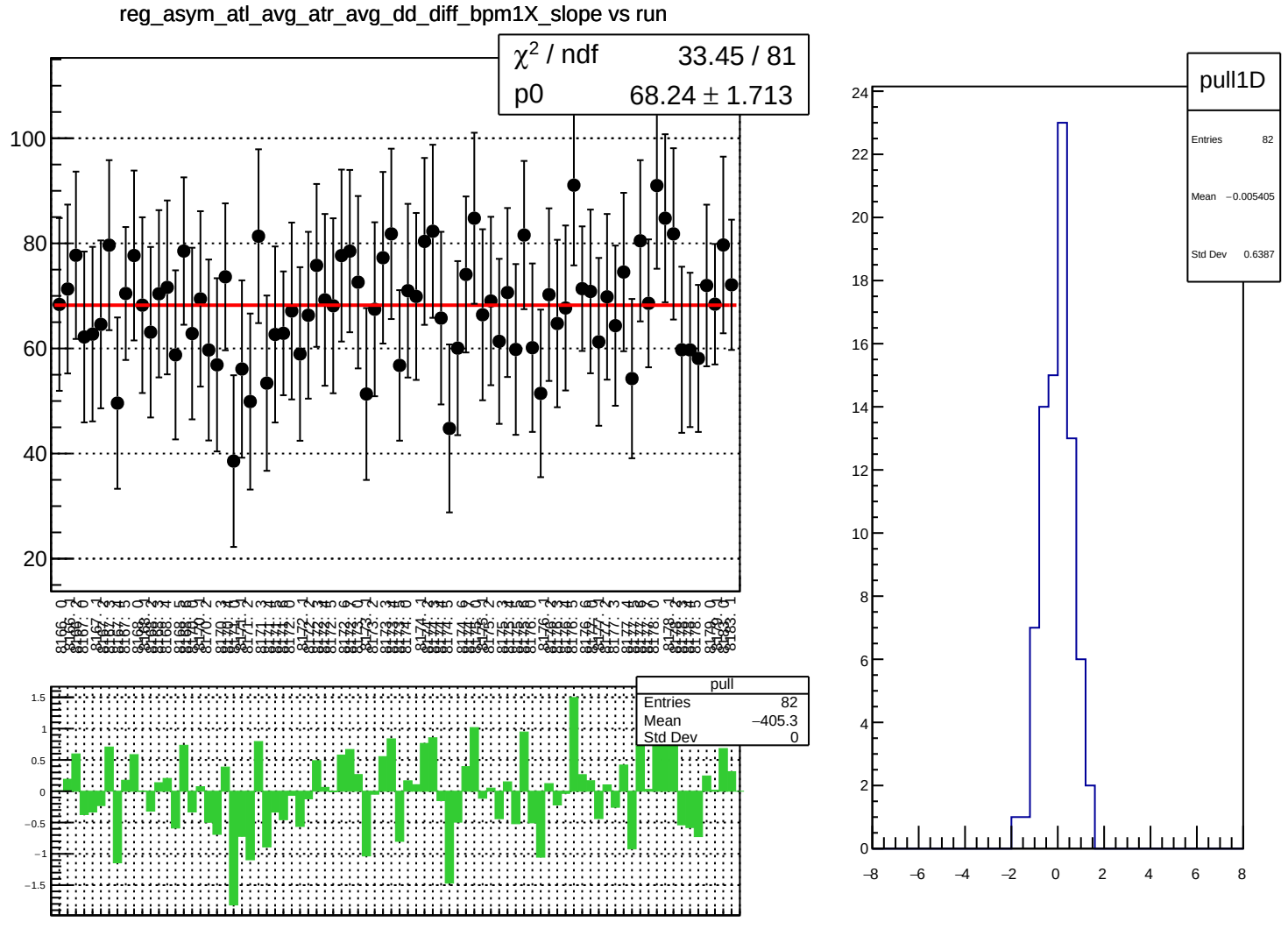

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.678 / 81
p0 107.1 ± 10.5
pull
Entries 82
Mean −125.1
Std Dev 0

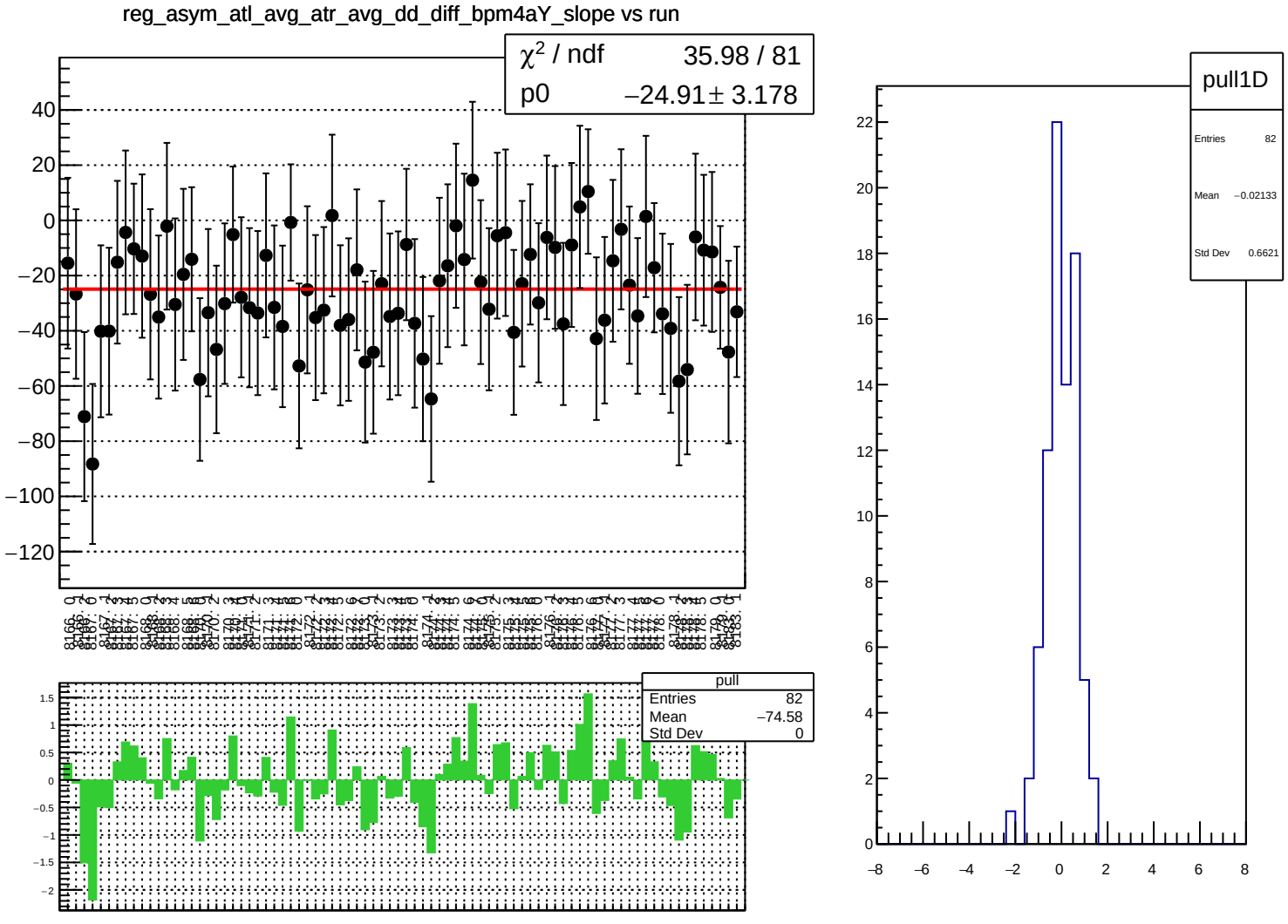

pull1D
Entries 82
Mean 0.001117
Std Dev 0.2118

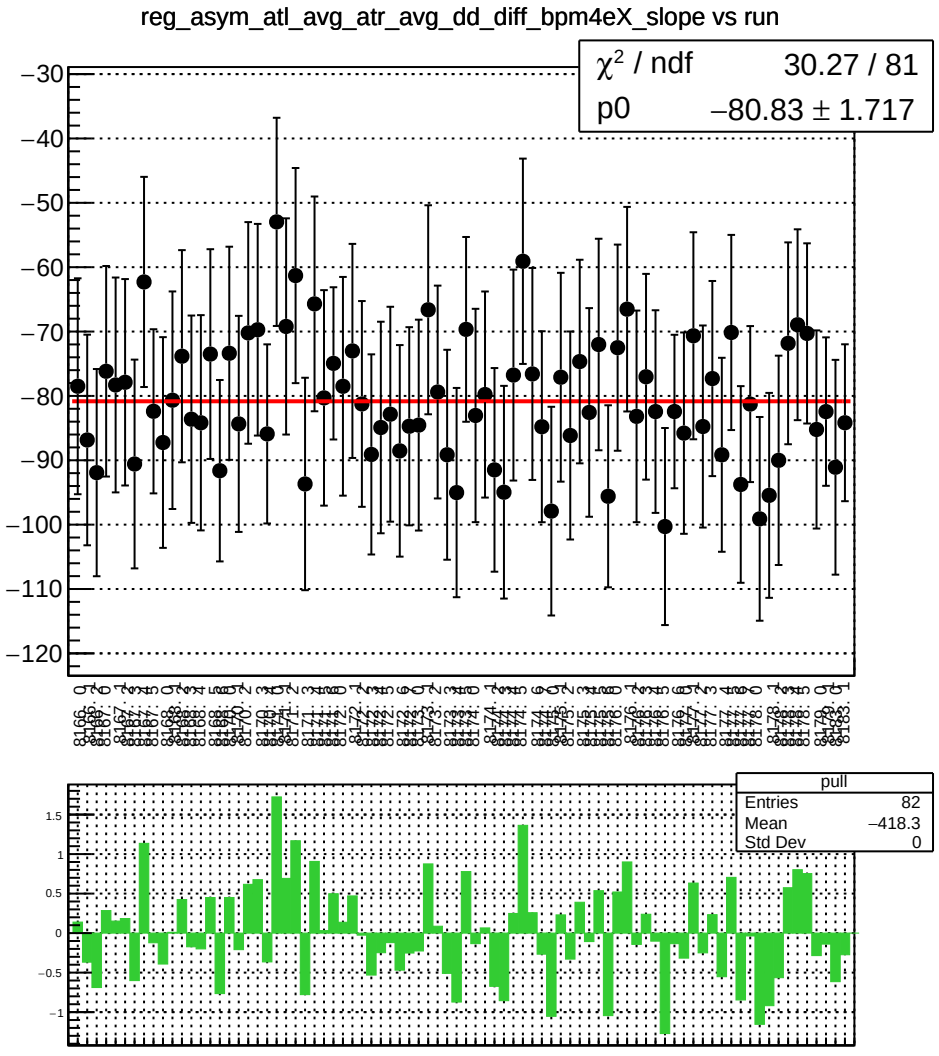

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.039 / 81
p0 291.4 ± 5.674
pull
Entries 82
Mean −551.3
Std Dev 0
pull1D
Entries 82
Mean −0.002175
Std Dev 0.2479

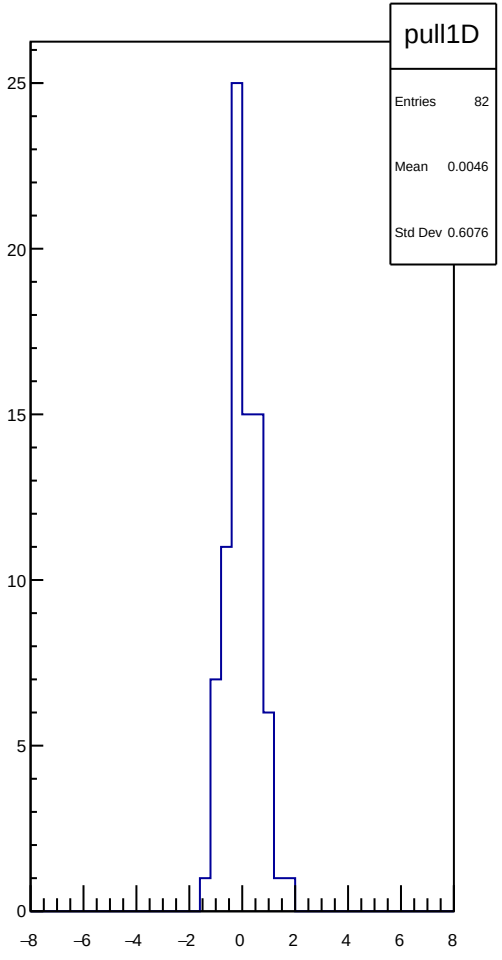

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.806 / 81
p0 −45.21± 11.23
pull
Entries 82
Mean −146.5
Std Dev 0
pull1D
Entries 82
Mean −0.001258
Std Dev 0.2155

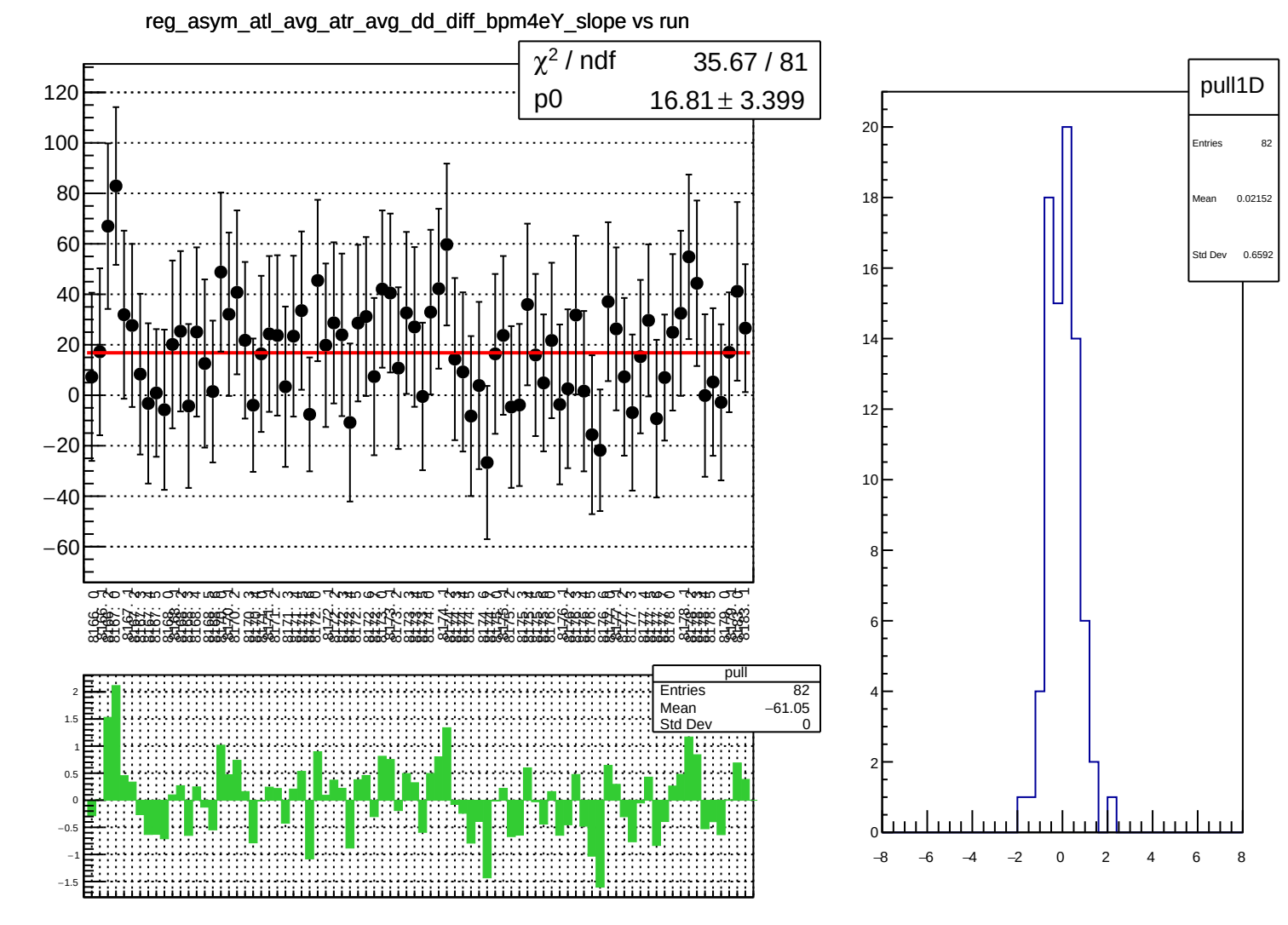

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 40.33 / 81
p0 −173.6 ± 0.5237
−165
−170
−175
−180
−185
−190
pull
Entries 82
Mean −809.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.01322
Std Dev 0.7012
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

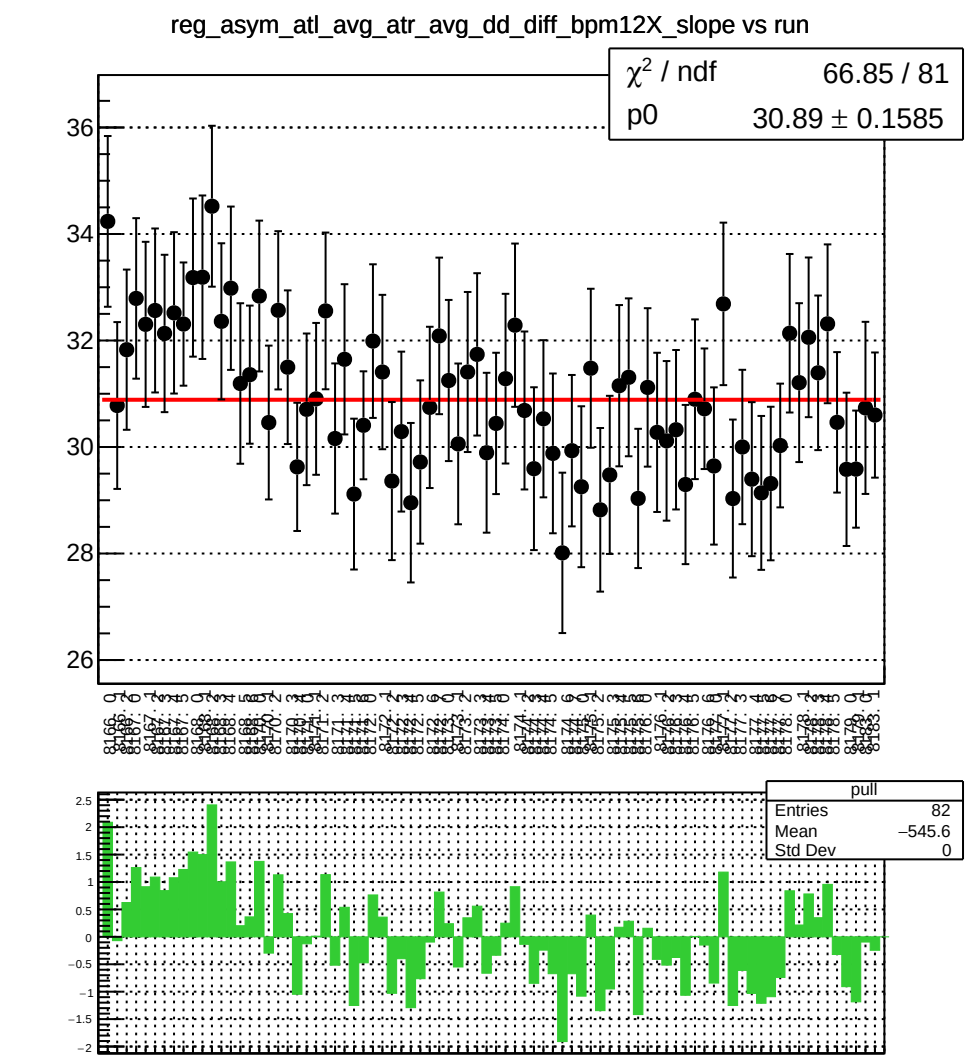

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 33.45 / 81
p0 68.24 ± 1.713
pull
Entries 82
Mean −405.3
Std Dev 0
pull1D
Entries 82
Mean −0.005405
Std Dev 0.6387

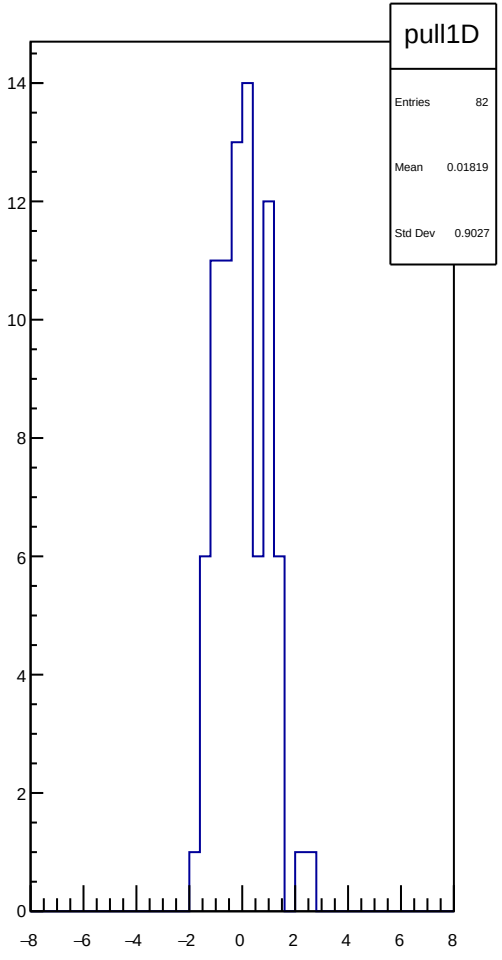

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.98 / 81
p0 −24.91± 3.178
pull
Entries 82
Mean −74.58
Std Dev 0
pull1D
Entries 82
Mean −0.02133
Std Dev 0.6621

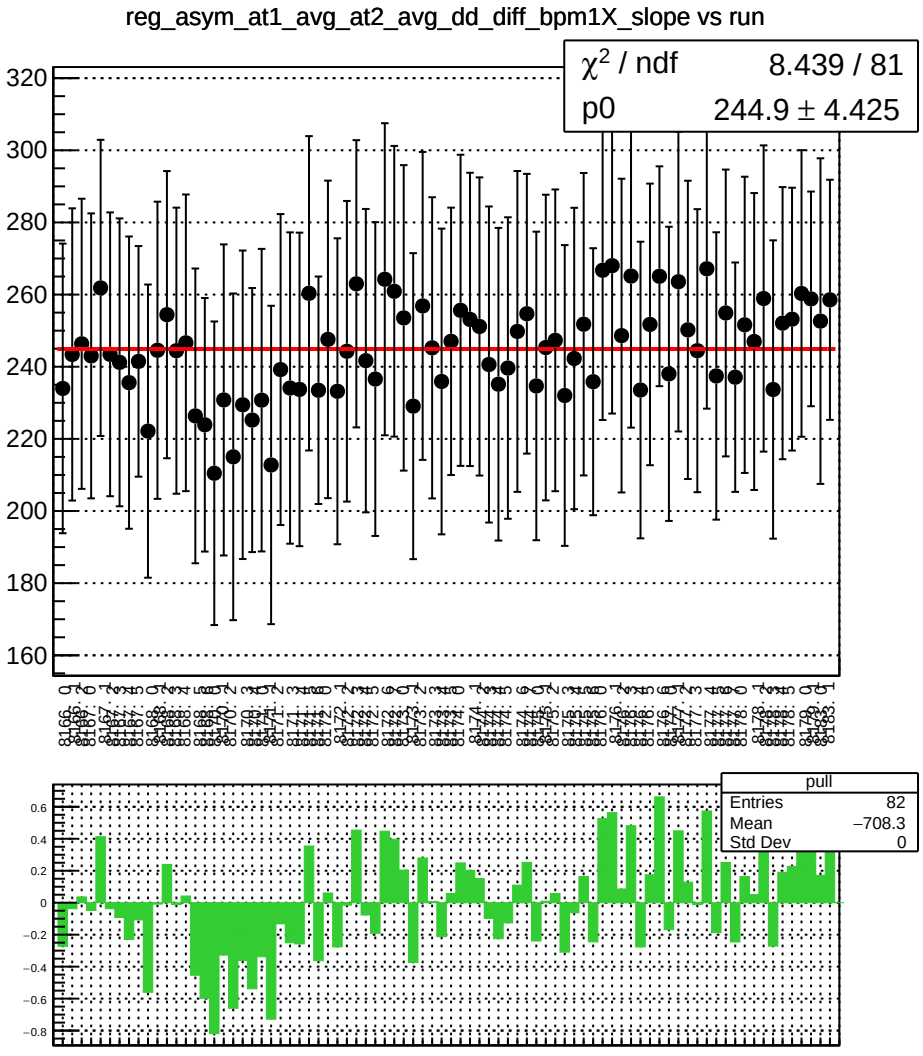

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.27 / 81
p0 −80.83 ± 1.717
pull
Entries 82
Mean −418.3
Std Dev 0

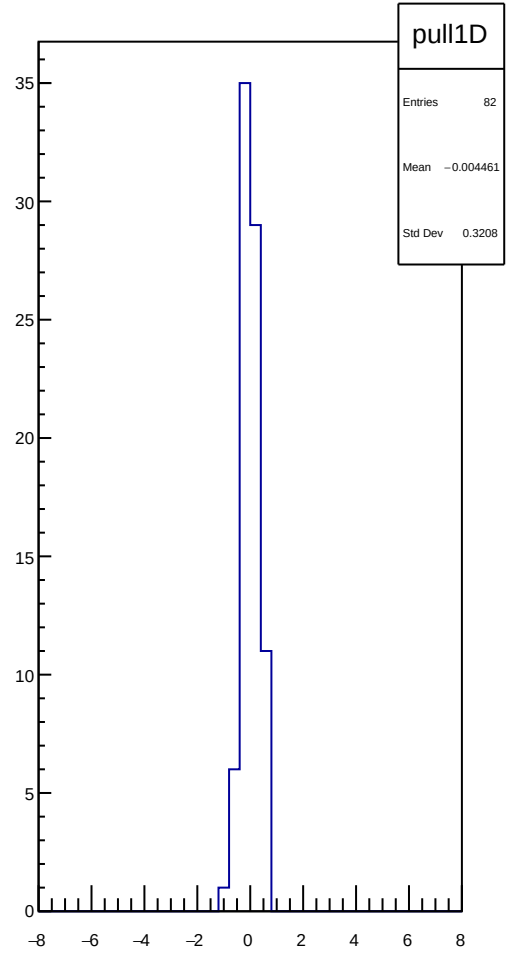

pull1D
Entries 82
Mean 0.0046
Std Dev 0.6076

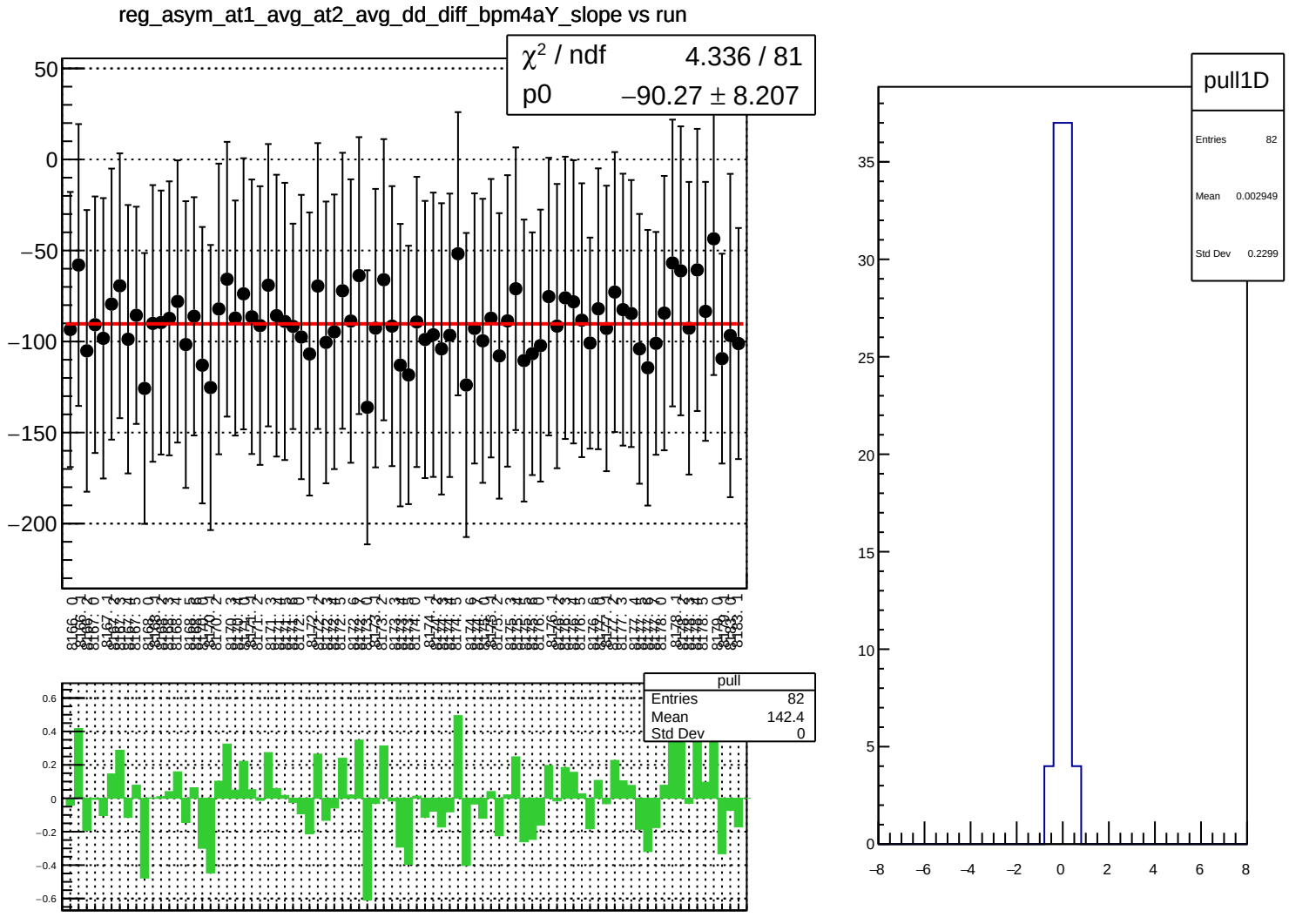

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.67 / 81
p0 16.81 ± 3.399
pull
Entries 82
Mean −61.05
Std Dev 0
pull1D
Entries 82
Mean 0.02152
Std Dev 0.6592

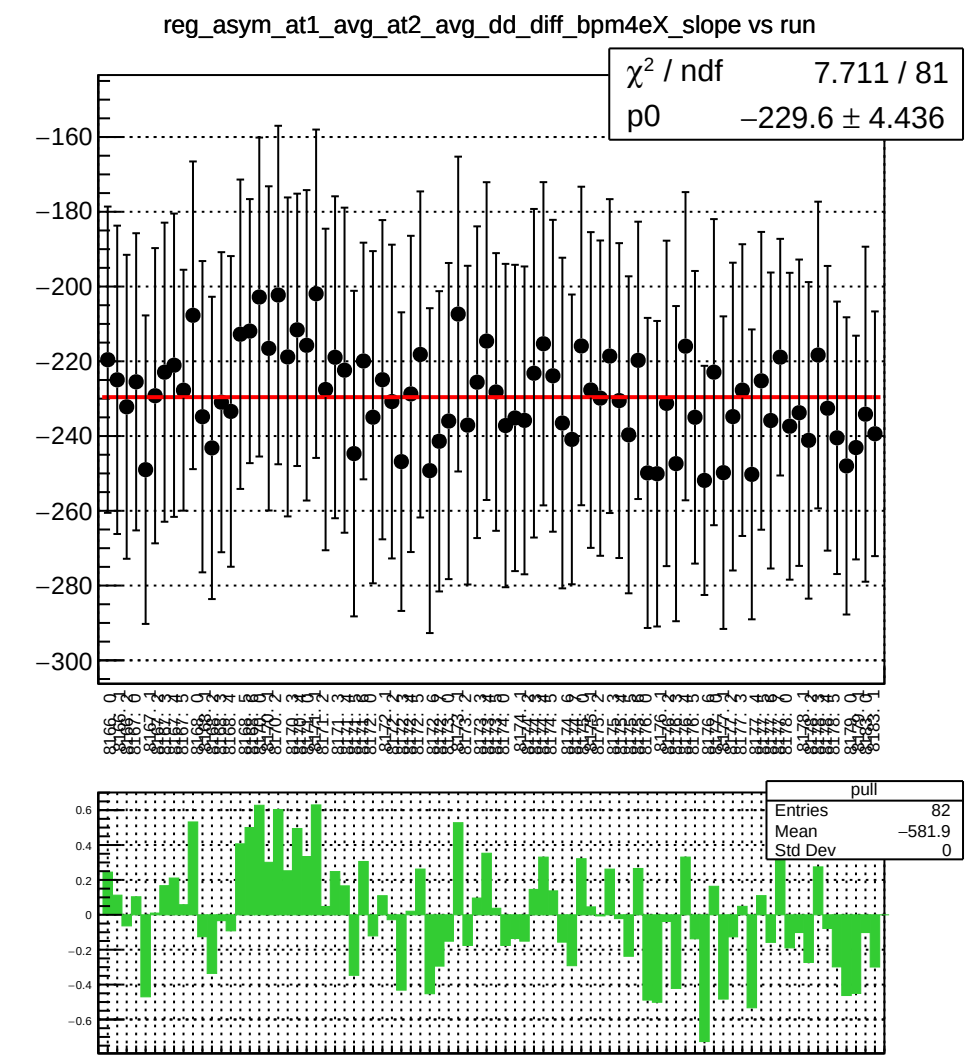

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 66.85 / 81
p0 30.89 ± 0.1585
pull
Entries 82
Mean −545.6
Std Dev 0

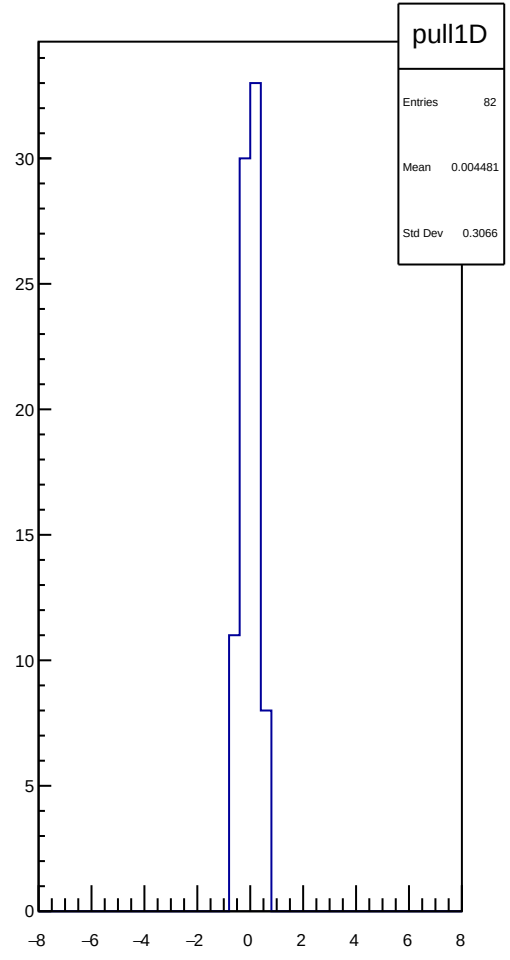

pull1D
Entries 82
Mean 0.01819
Std Dev 0.9027

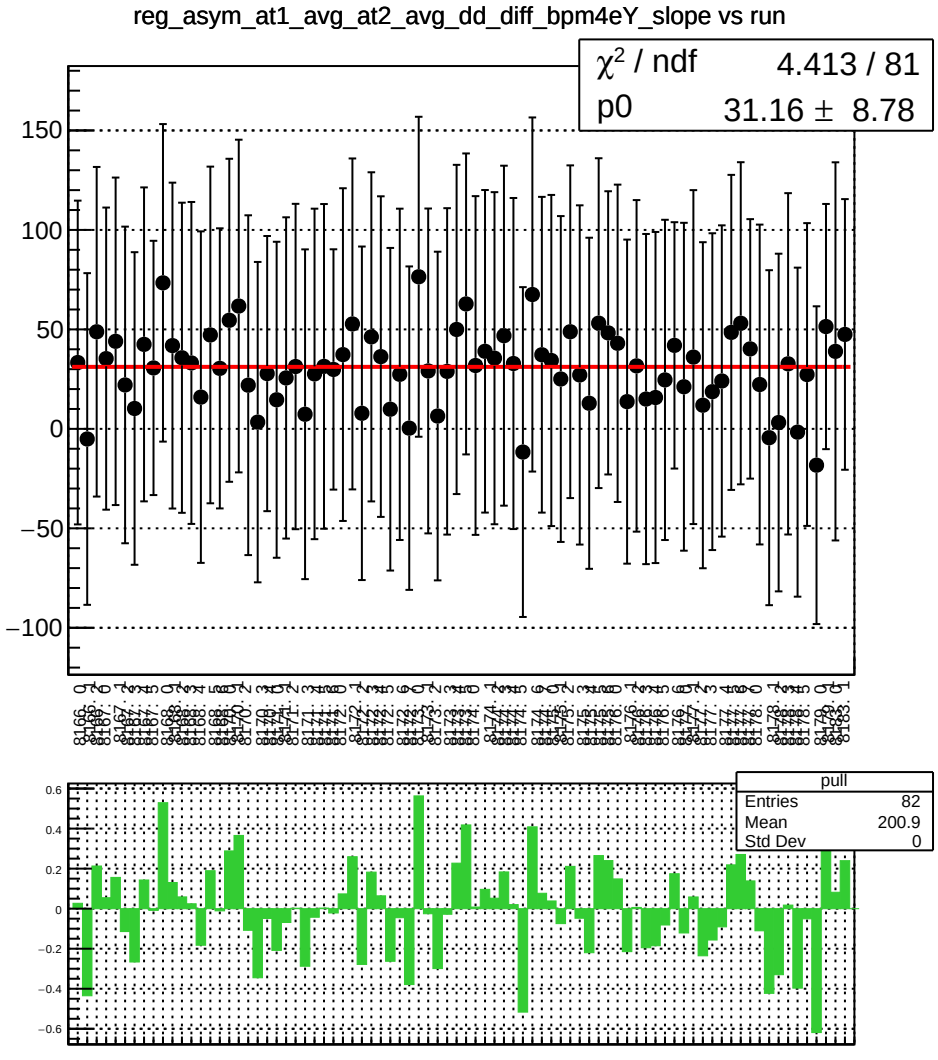

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 8.439 / 81
p0 244.9 ± 4.425
pull
Entries 82
Mean −708.3
Std Dev 0

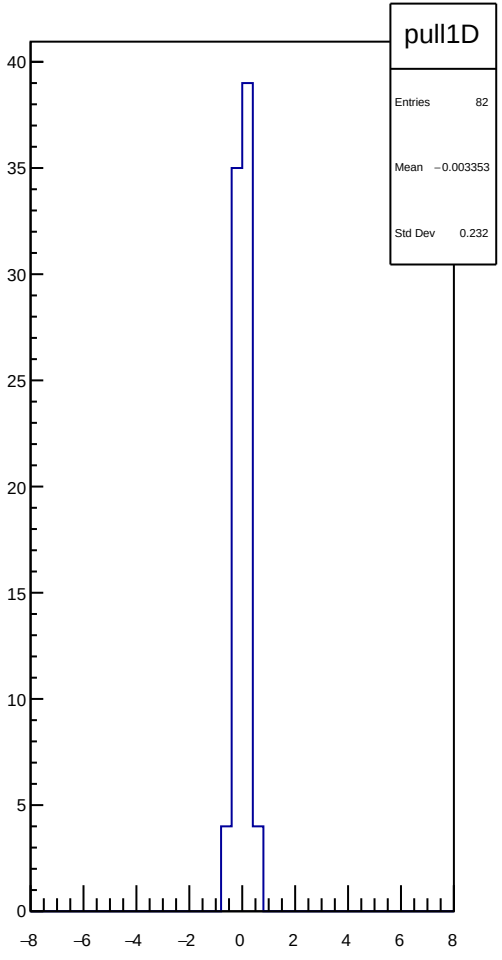

pull1D
Entries 82
Mean −0.004461
Std Dev 0.3208

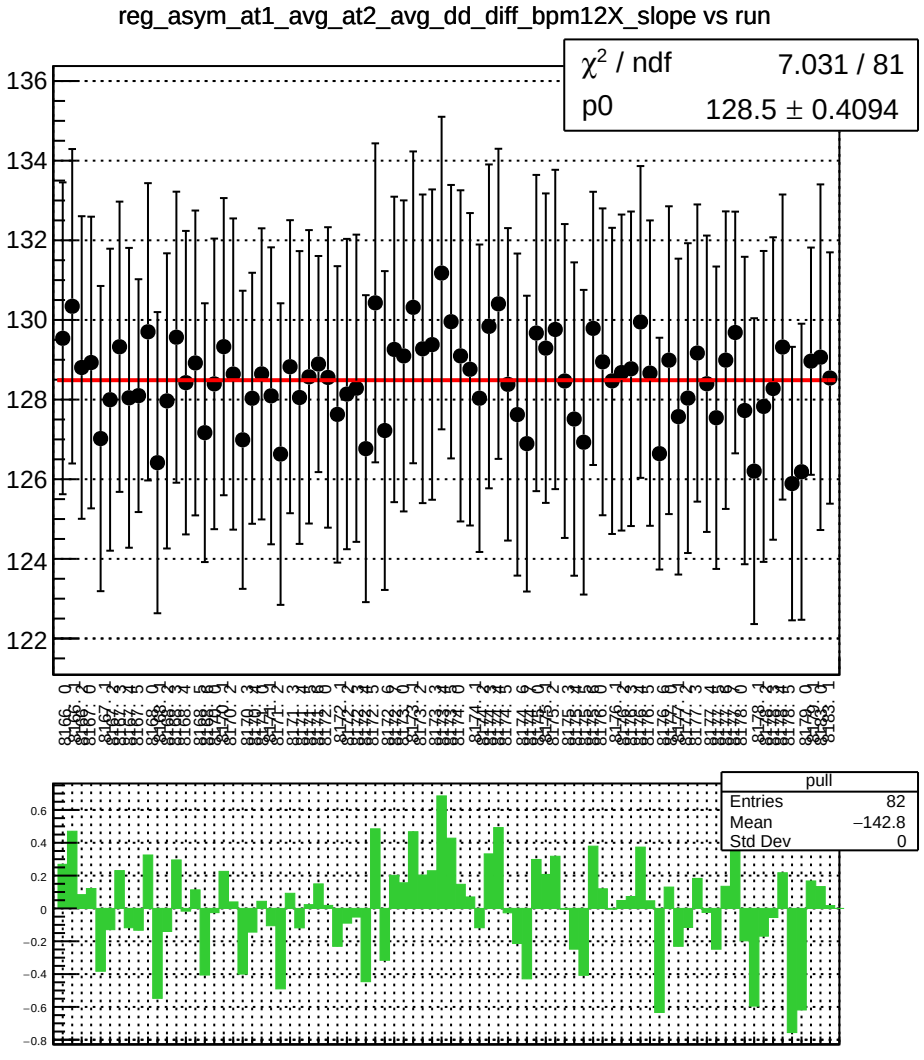

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.336 / 81
p0 −90.27 ± 8.207
pull
Entries 82
Mean 142.4
Std Dev 0
pull1D
Entries 82
Mean 0.002949
Std Dev 0.2299

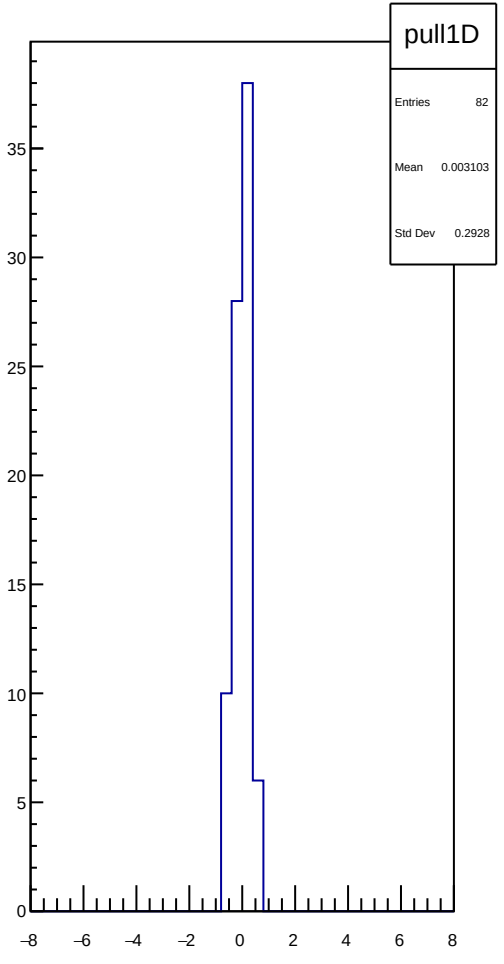

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.711 / 81
p0 −229.6 ± 4.436
pull
Entries 82
Mean −581.9
Std Dev 0

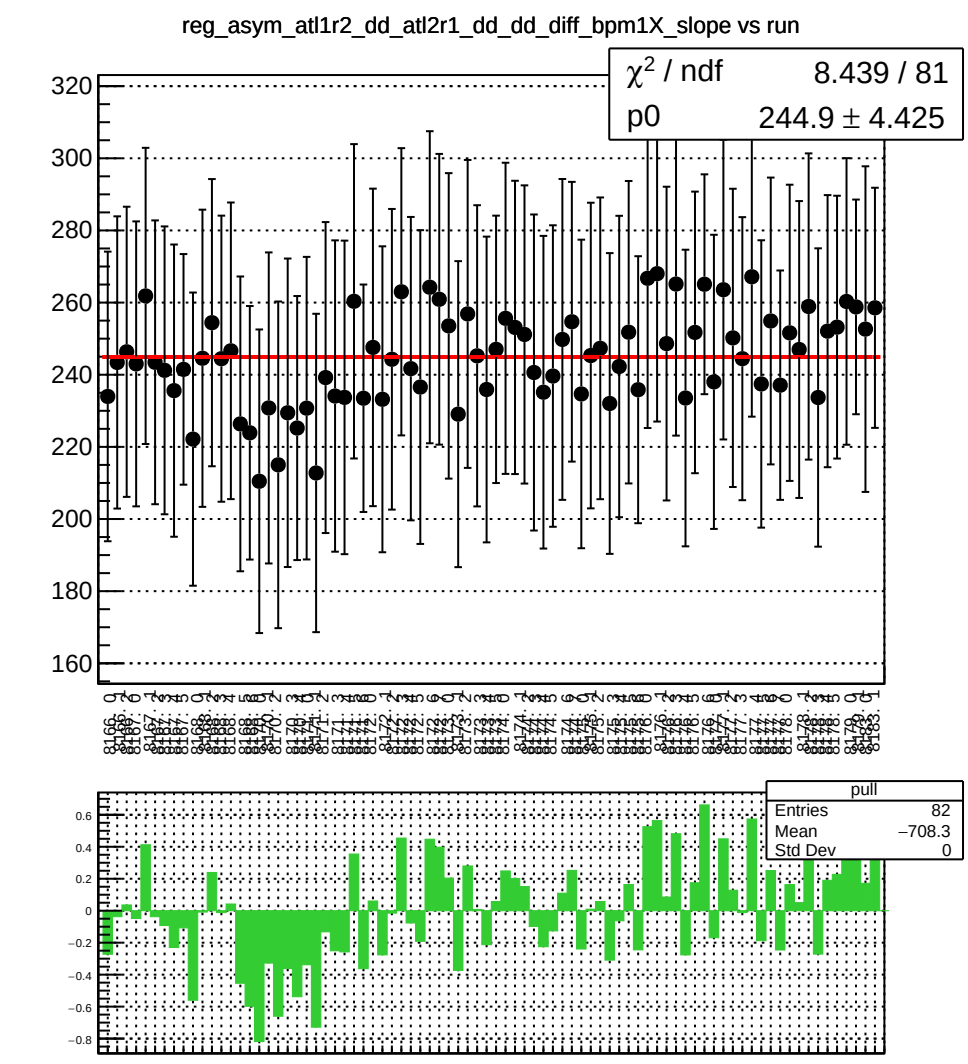

pull1D
Entries 82
Mean 0.004481
Std Dev 0.3066

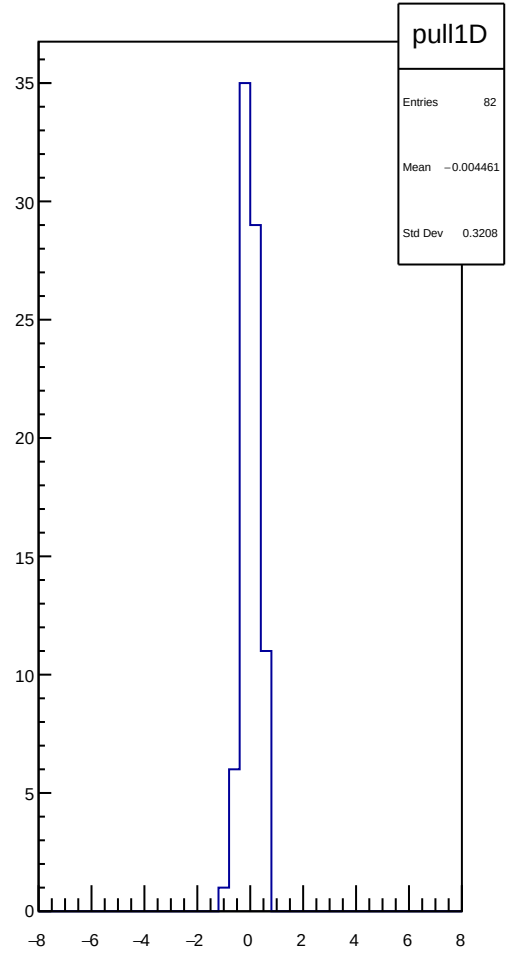

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.413 / 81
p0 31.16 ± 8.78
150
100
50
0
−50
−100
pull
Entries 82
Mean 200.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

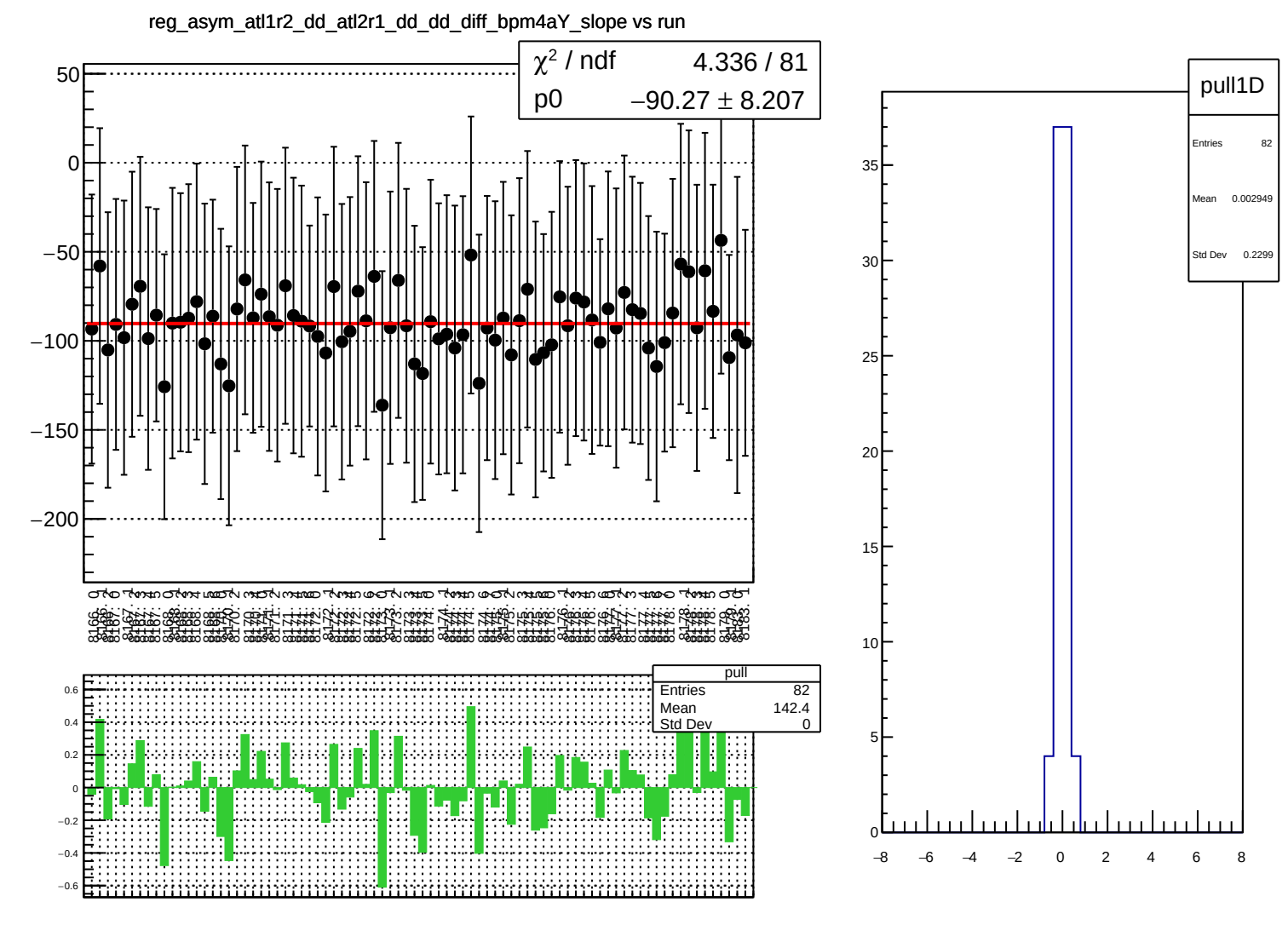

pull1D
Entries 82
Mean −0.003353
Std Dev 0.232
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

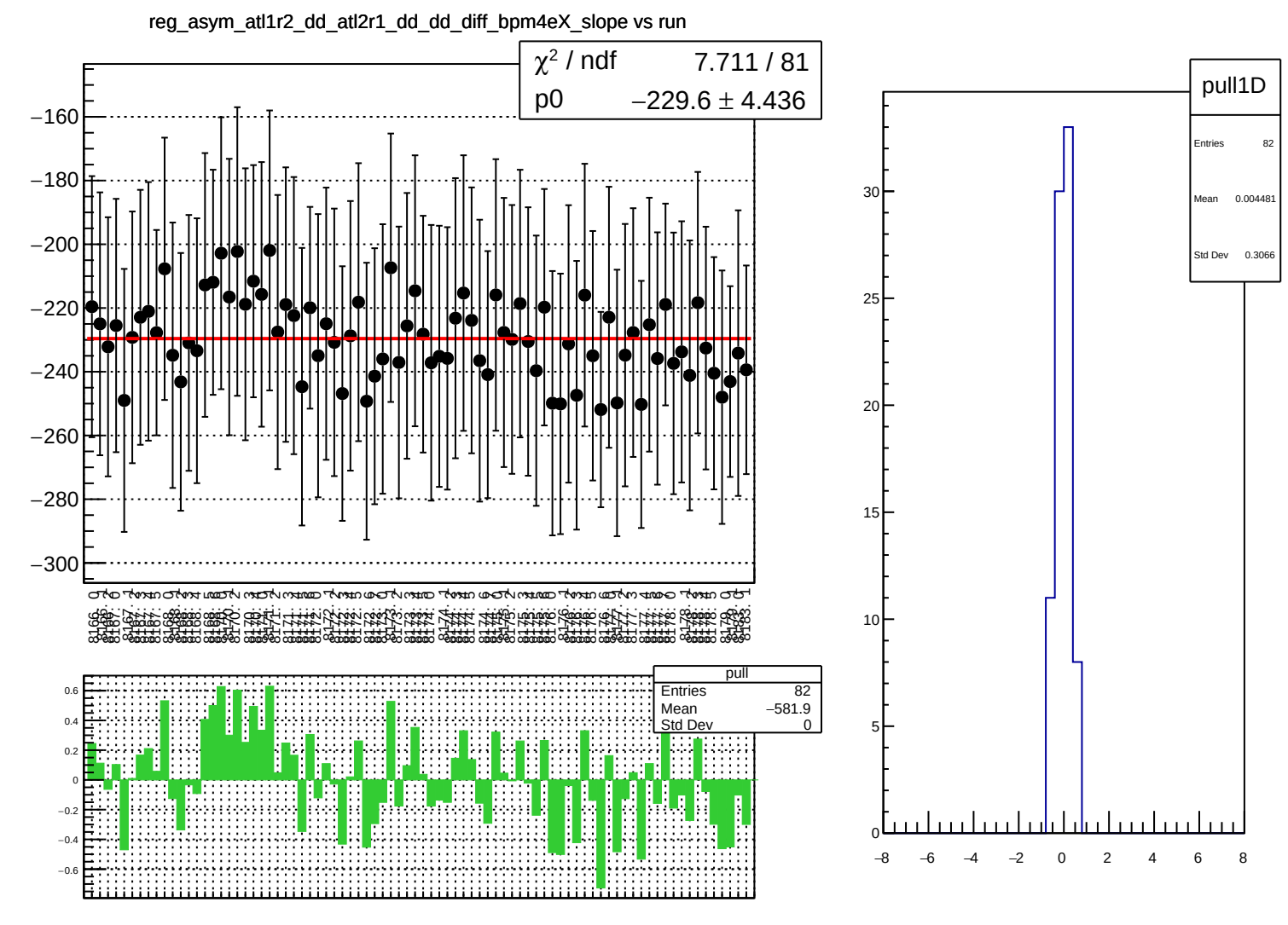

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 7.031 / 81
p0 128.5 ± 0.4094
pull
Entries 82
Mean −142.8
Std Dev 0

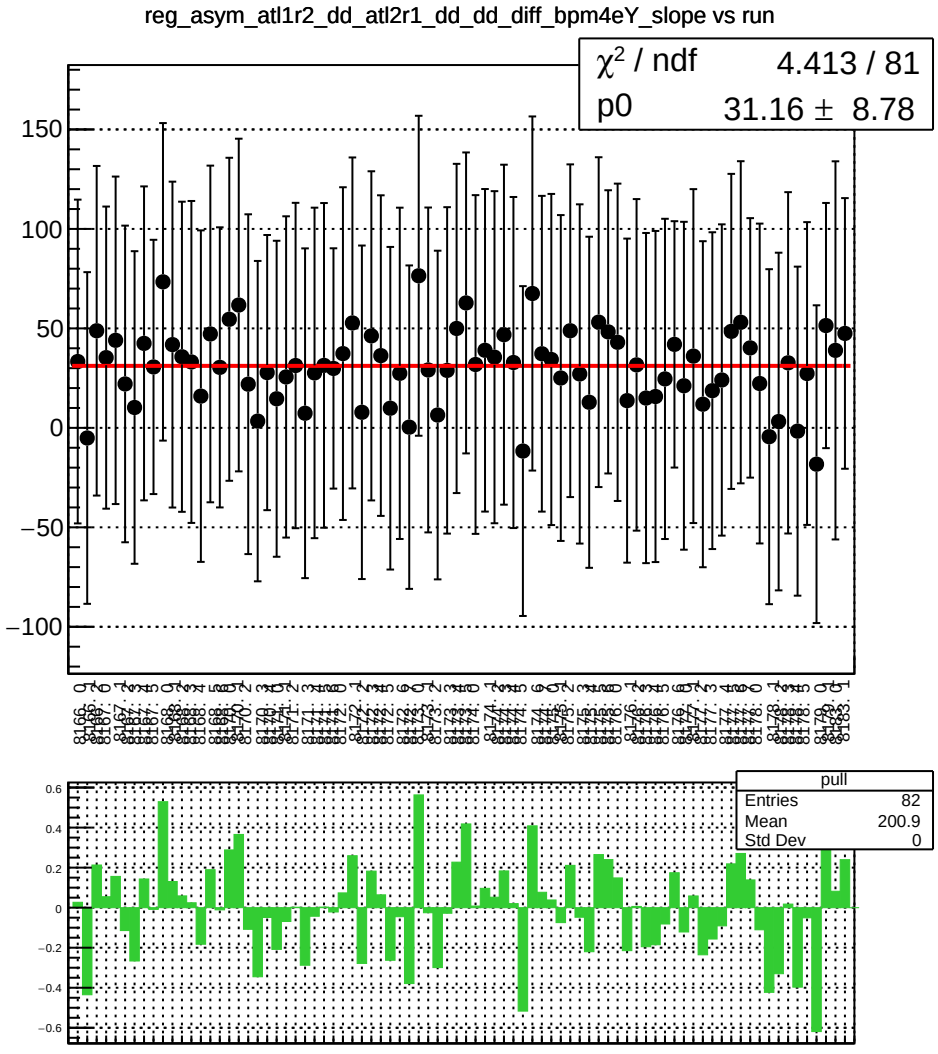

pull1D
Entries 82
Mean 0.003103
Std Dev 0.2928

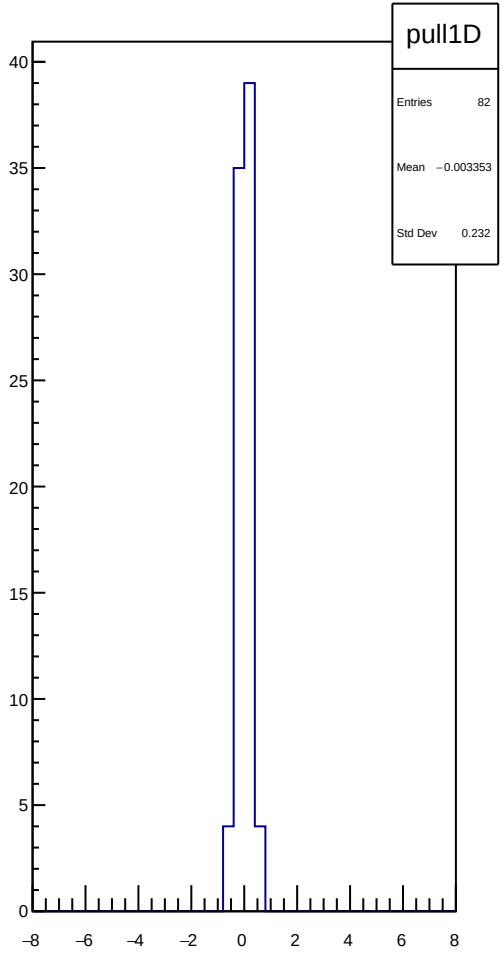

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 8.439 / 81
p0 244.9 ± 4.425
pull
Entries 82
Mean −708.3
Std Dev 0

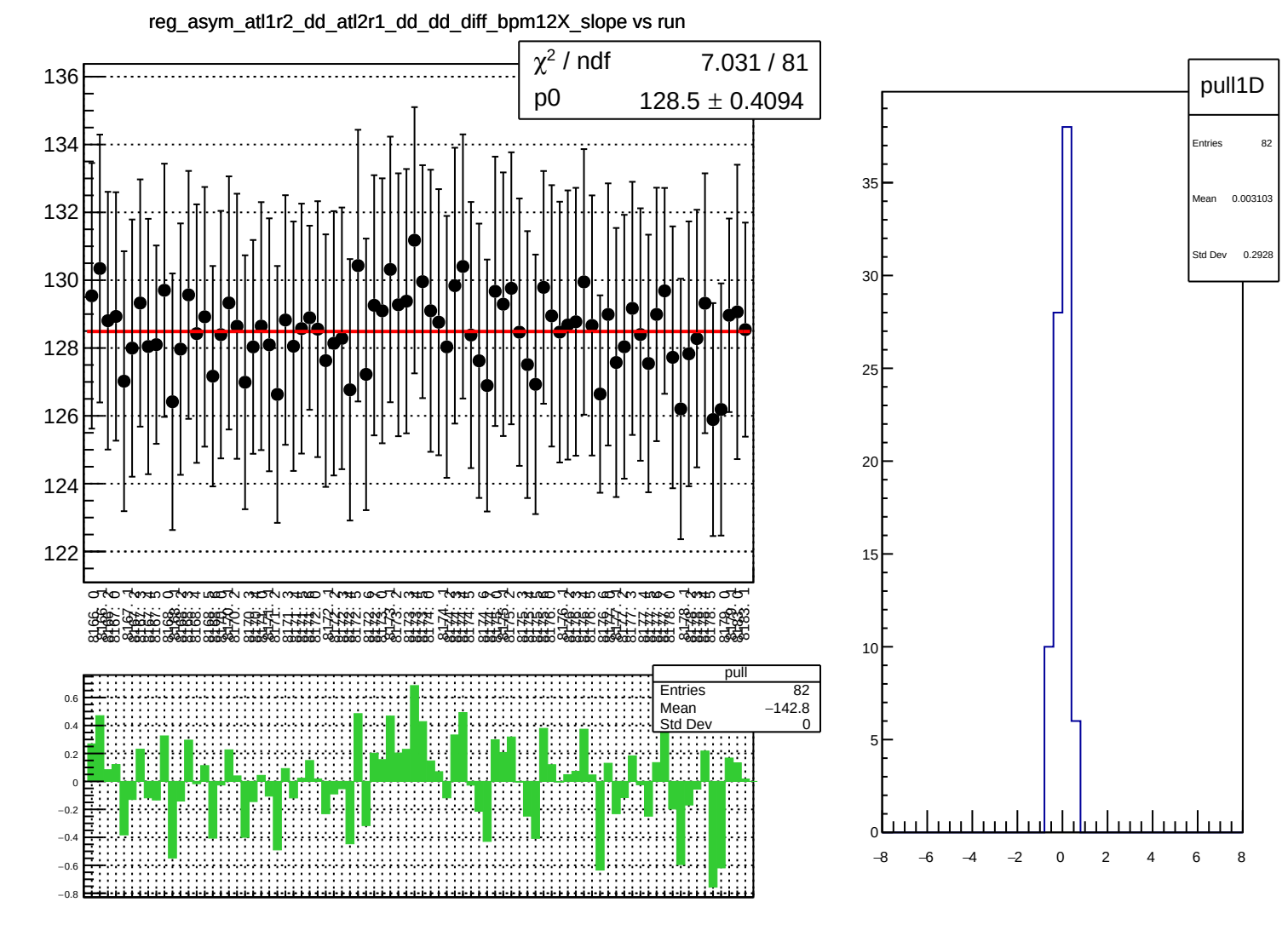

pull1D
Entries 82
Mean −0.004461
Std Dev 0.3208

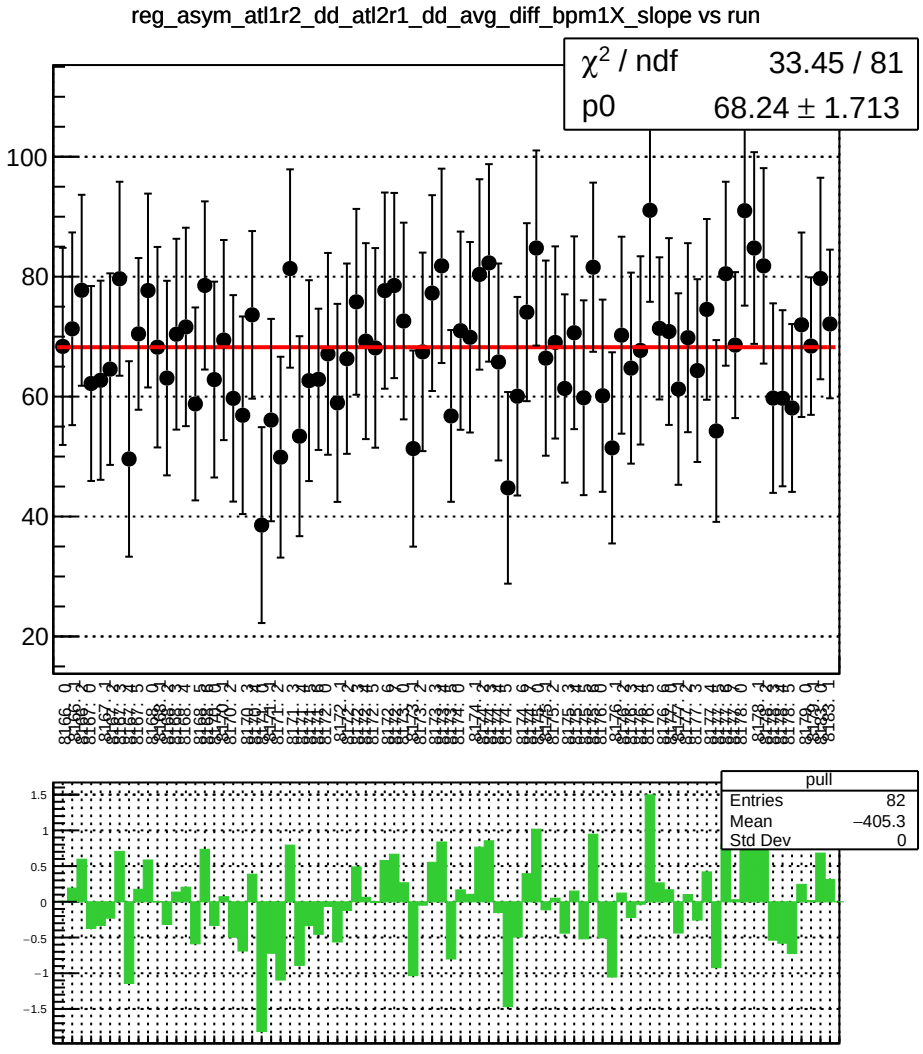

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.336 / 81
p0 −90.27 ± 8.207
pull
Entries 82
Mean 142.4
Std Dev 0
pull1D
Entries 82
Mean 0.002949
Std Dev 0.2299

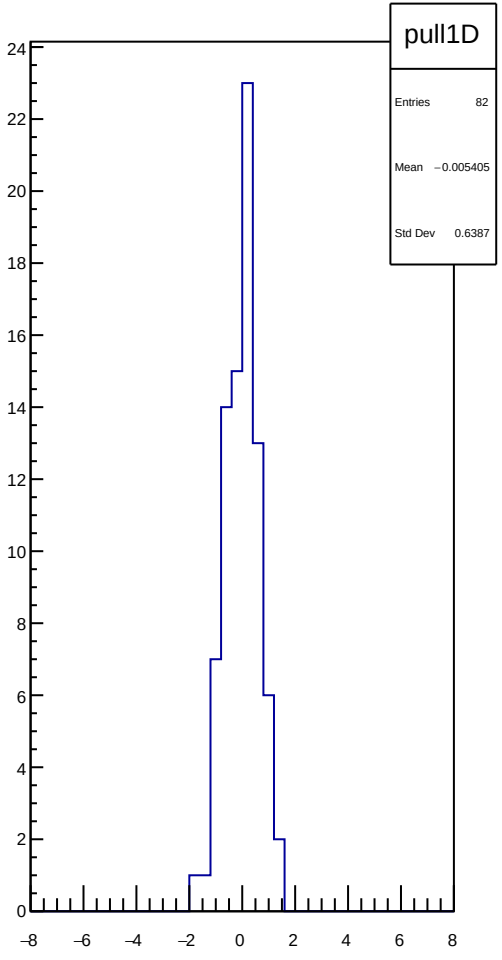

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.711 / 81
p0 −229.6 ± 4.436
pull
Entries 82
Mean −581.9
Std Dev 0
pull1D
Entries 82
Mean 0.004481
Std Dev 0.3066

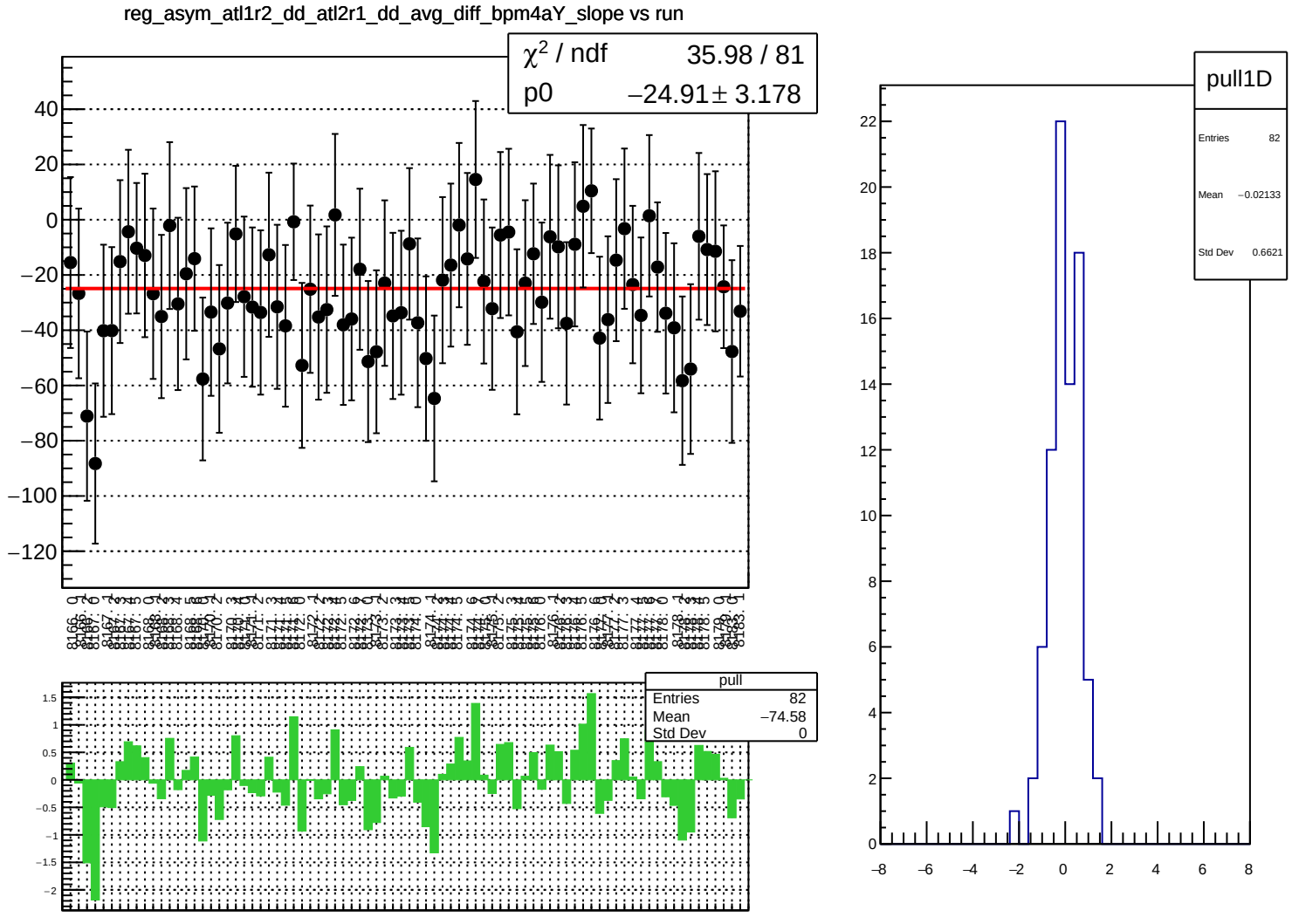

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.413 / 81
p0 31.16 ± 8.78
150
100
50
0
−50
−100
pull
Entries 82
Mean 200.9
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

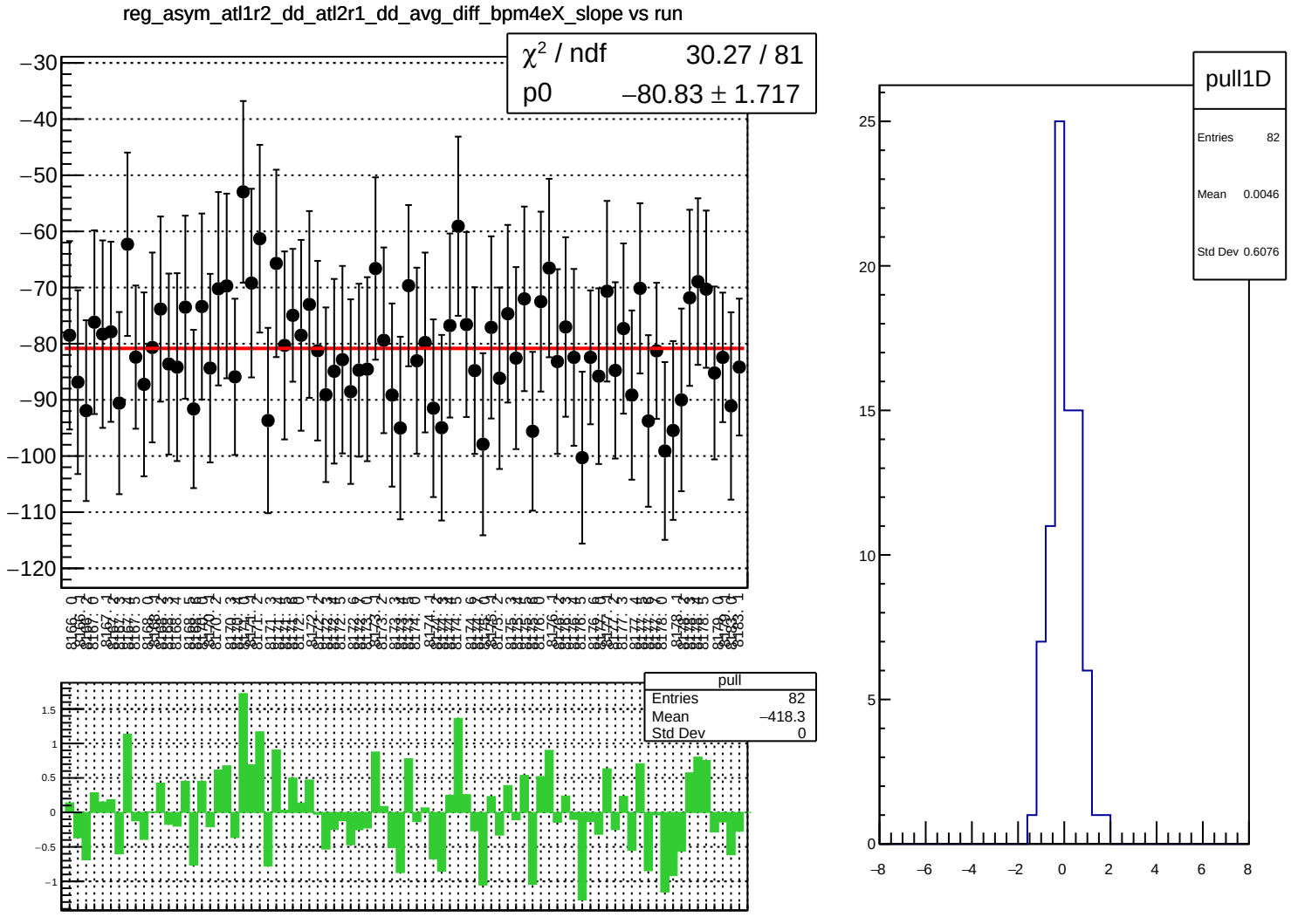

pull1D
Entries 82
Mean −0.003353
Std Dev 0.232
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

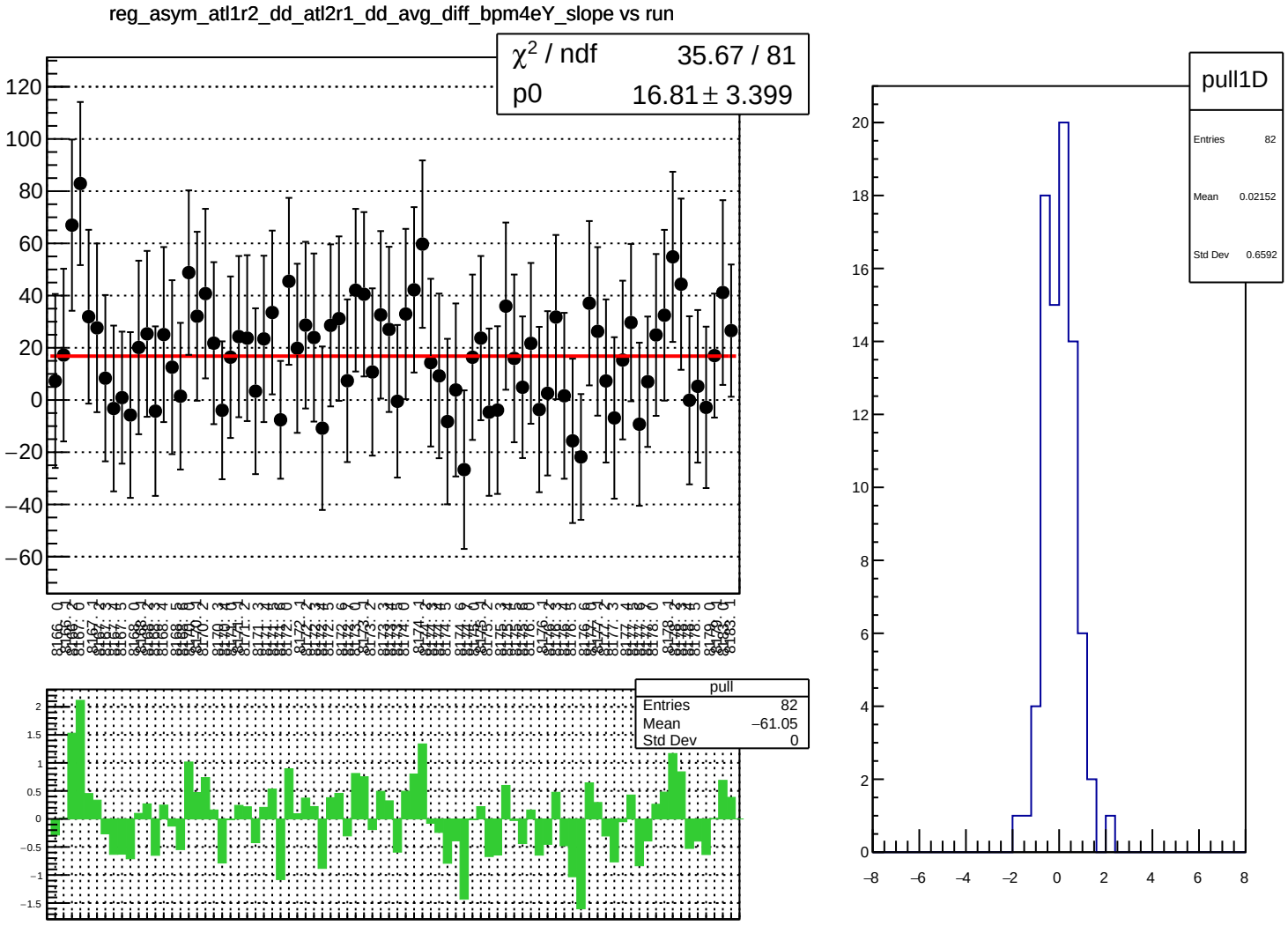

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 7.031 / 81
p0 128.5 ± 0.4094
pull
Entries 82
Mean −142.8
Std Dev 0
pull1D
Entries 82
Mean 0.003103
Std Dev 0.2928

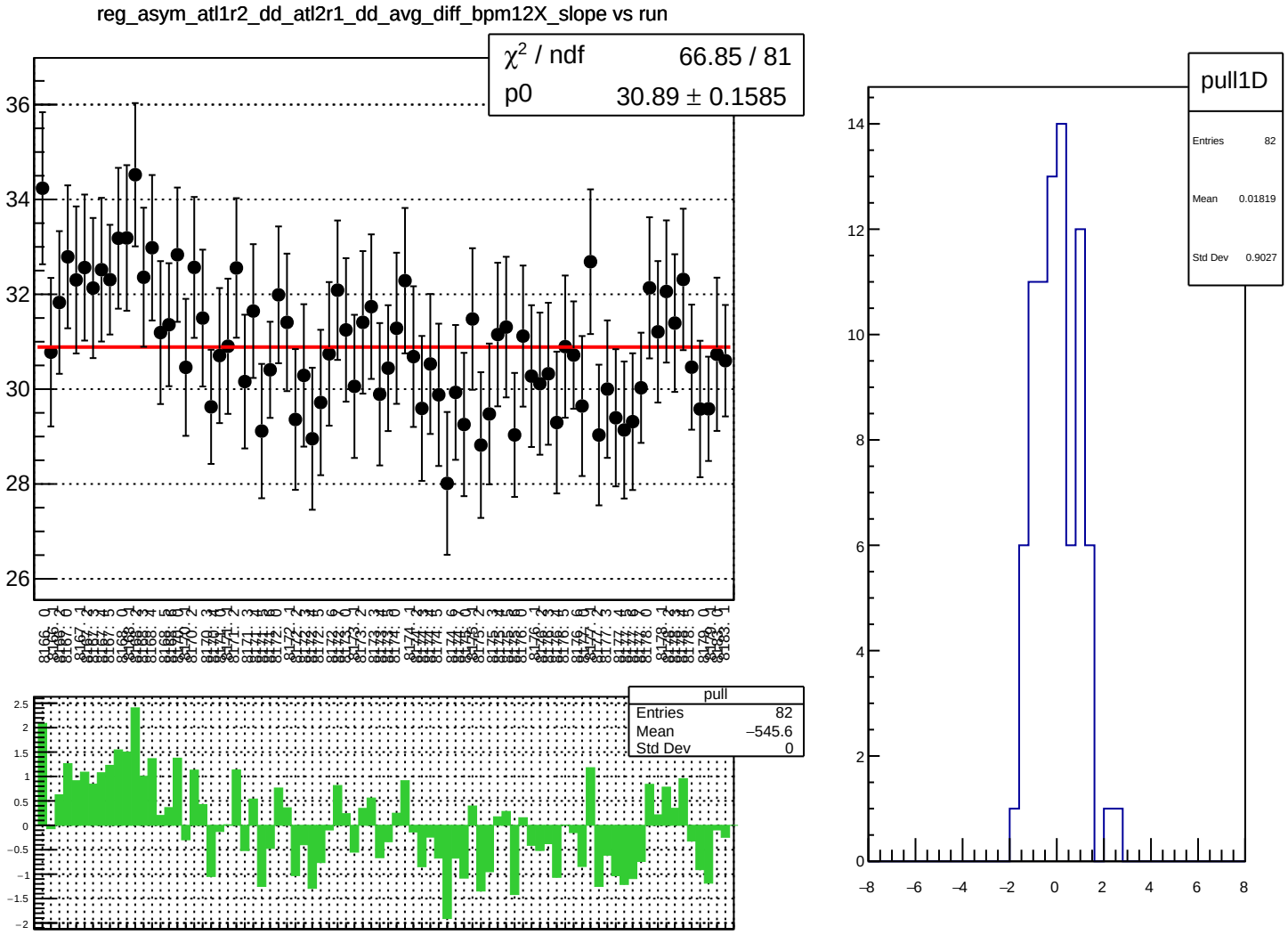

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 33.45 / 81
p0 68.24 ± 1.713
pull
Entries 82
Mean −405.3
Std Dev 0

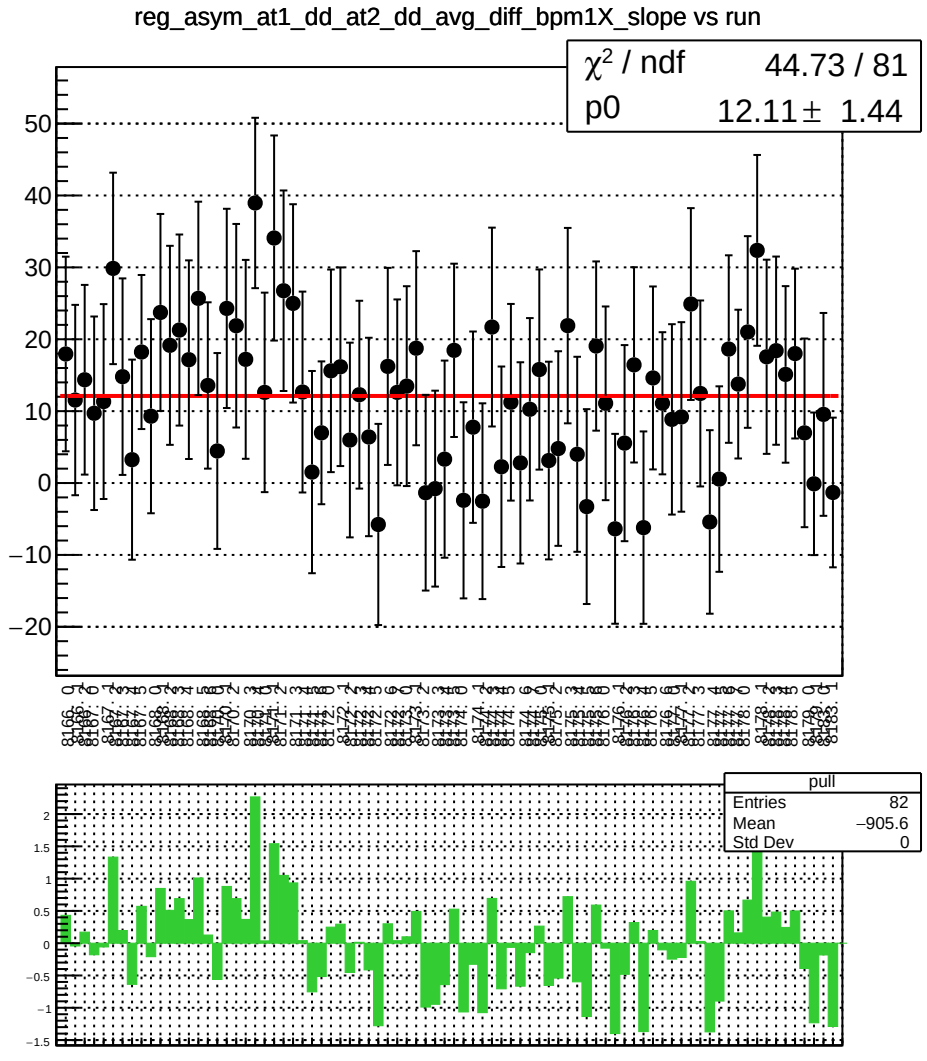

pull1D
Entries 82
Mean −0.005405
Std Dev 0.6387

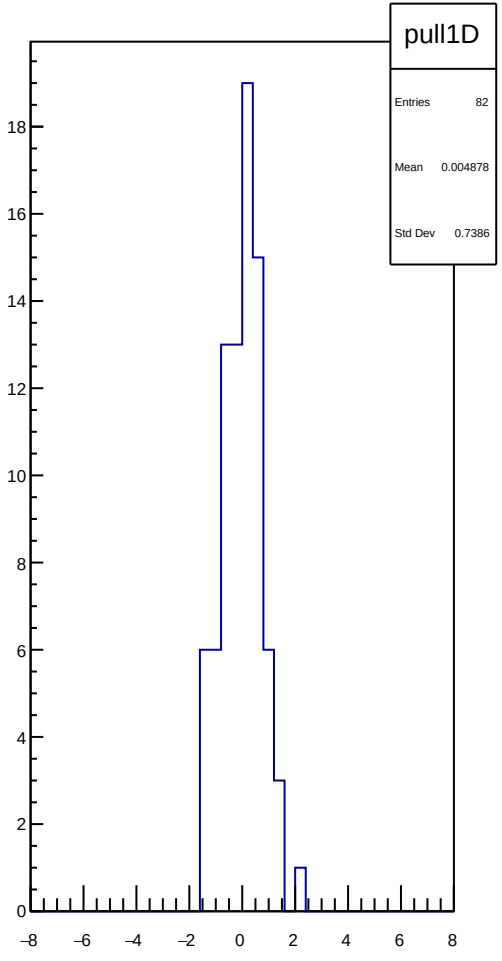

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.98 / 81
p0 −24.91 ± 3.178
pull
Entries 82
Mean −74.58
Std Dev 0
pull1D
Entries 82
Mean −0.02133
Std Dev 0.6621

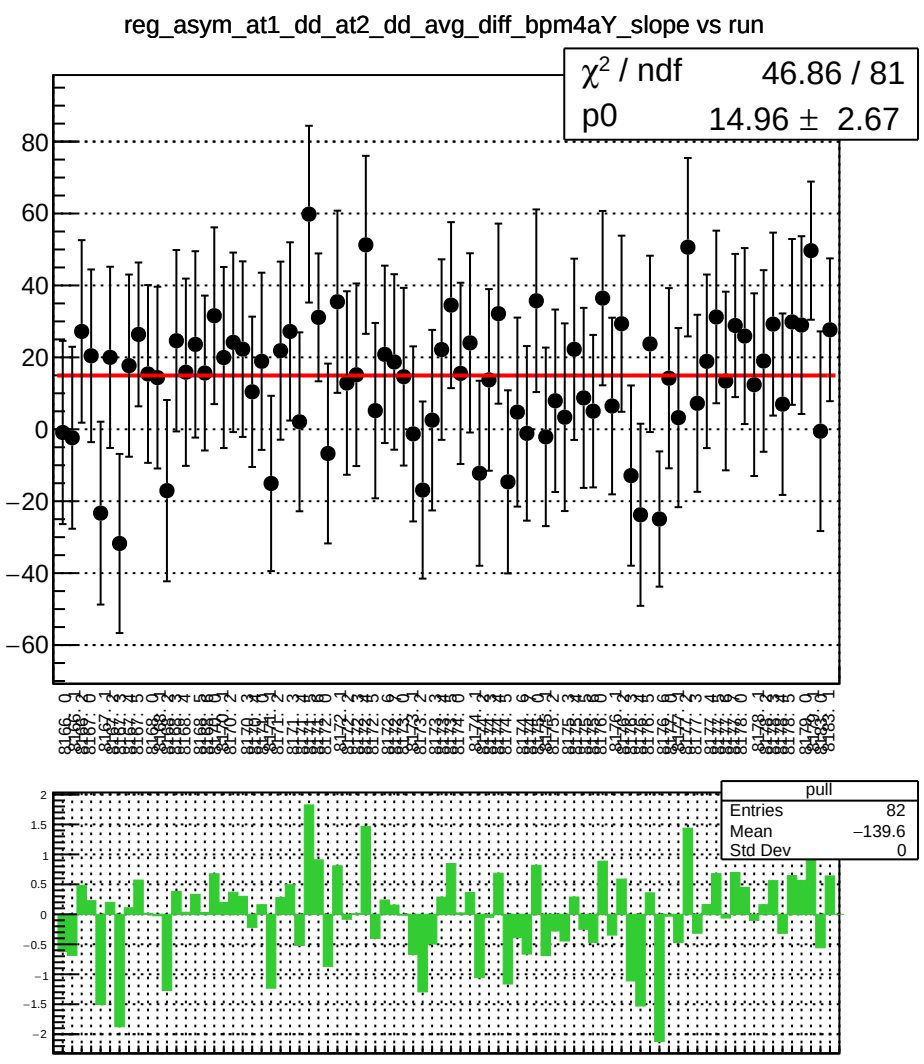

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.27 / 81
p0 −80.83 ± 1.717
pull
Entries 82
Mean −418.3
Std Dev 0
pull1D
Entries 82
Mean 0.0046
Std Dev 0.6076

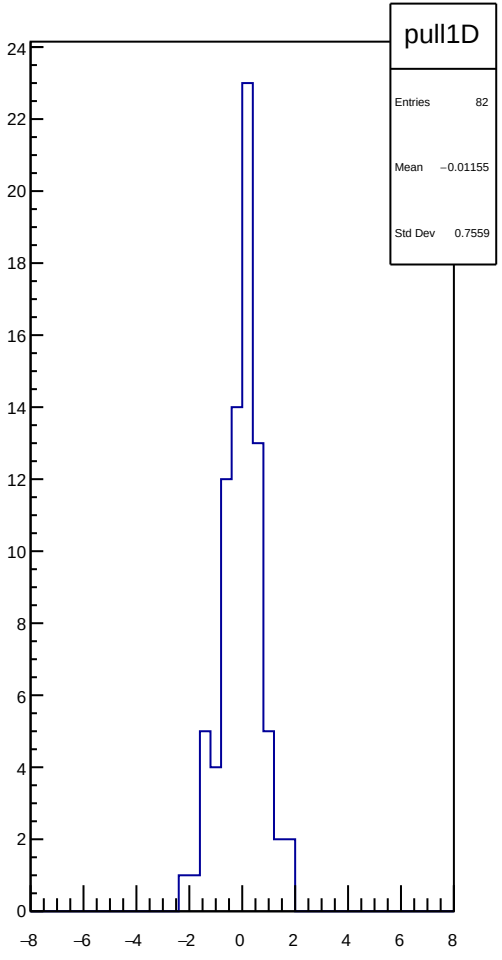

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.67 / 81
p0 16.81 ± 3.399
pull
Entries 82
Mean −61.05
Std Dev 0
pull1D
Entries 82
Mean 0.02152
Std Dev 0.6592

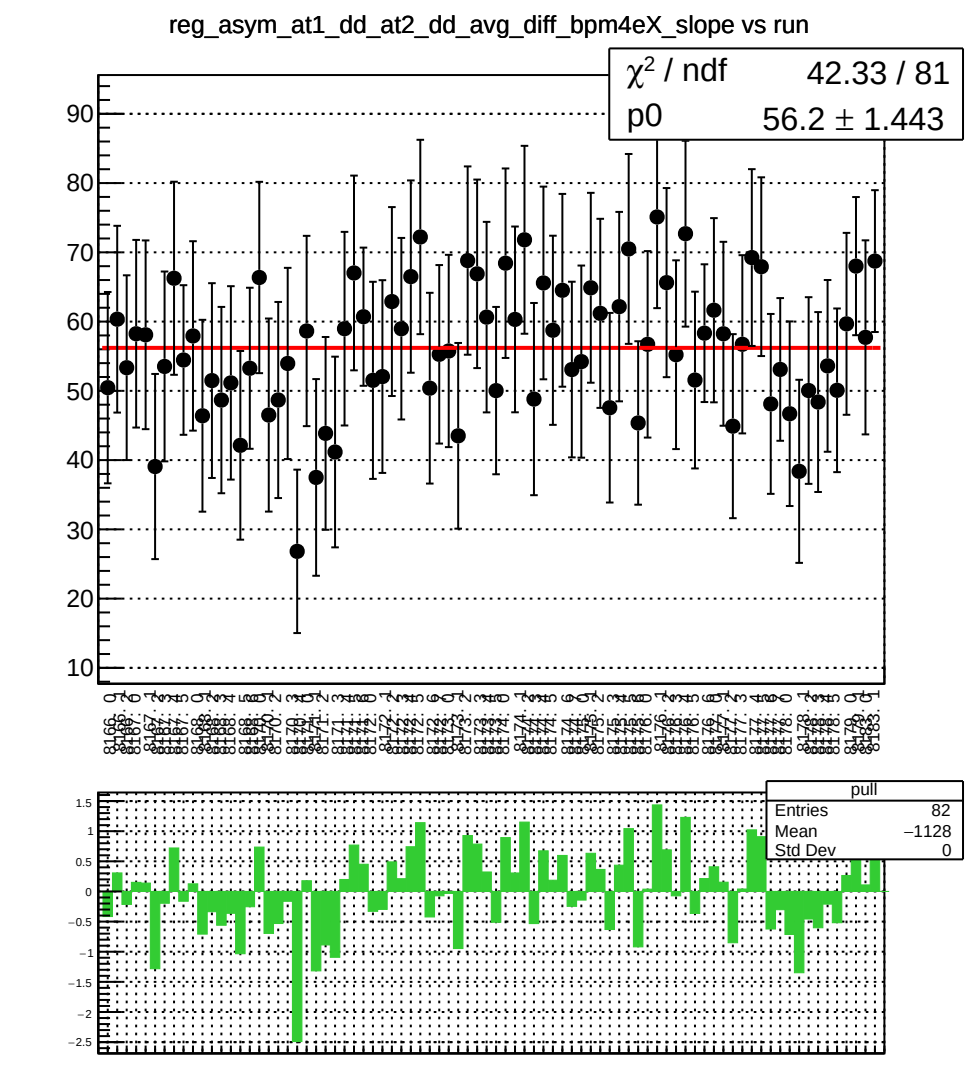

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 66.85 / 81
p0 30.89 ± 0.1585
pull
Entries 82
Mean −545.6
Std Dev 0
pull1D
Entries 82
Mean 0.01819
Std Dev 0.9027

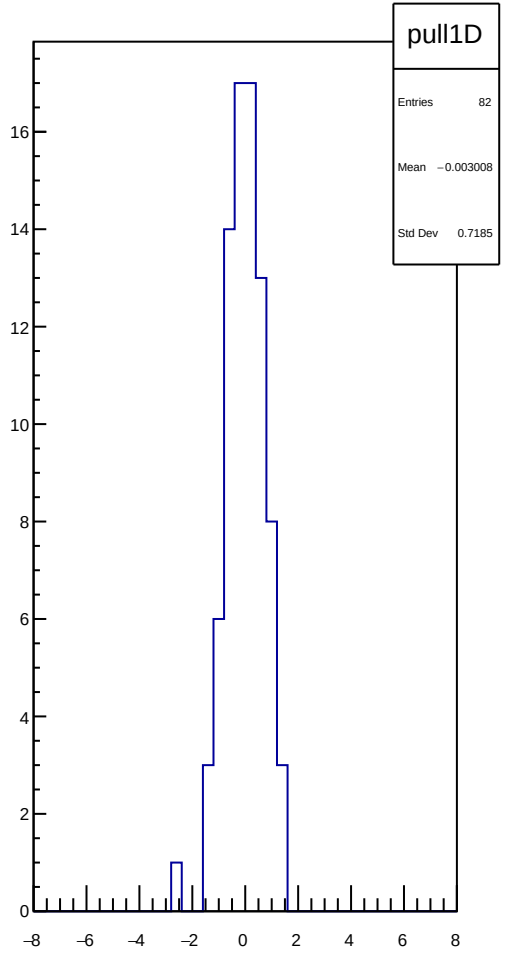

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 44.73 / 81
p0 12.11 ± 1.44
pull
Entries 82
Mean −905.6
Std Dev 0

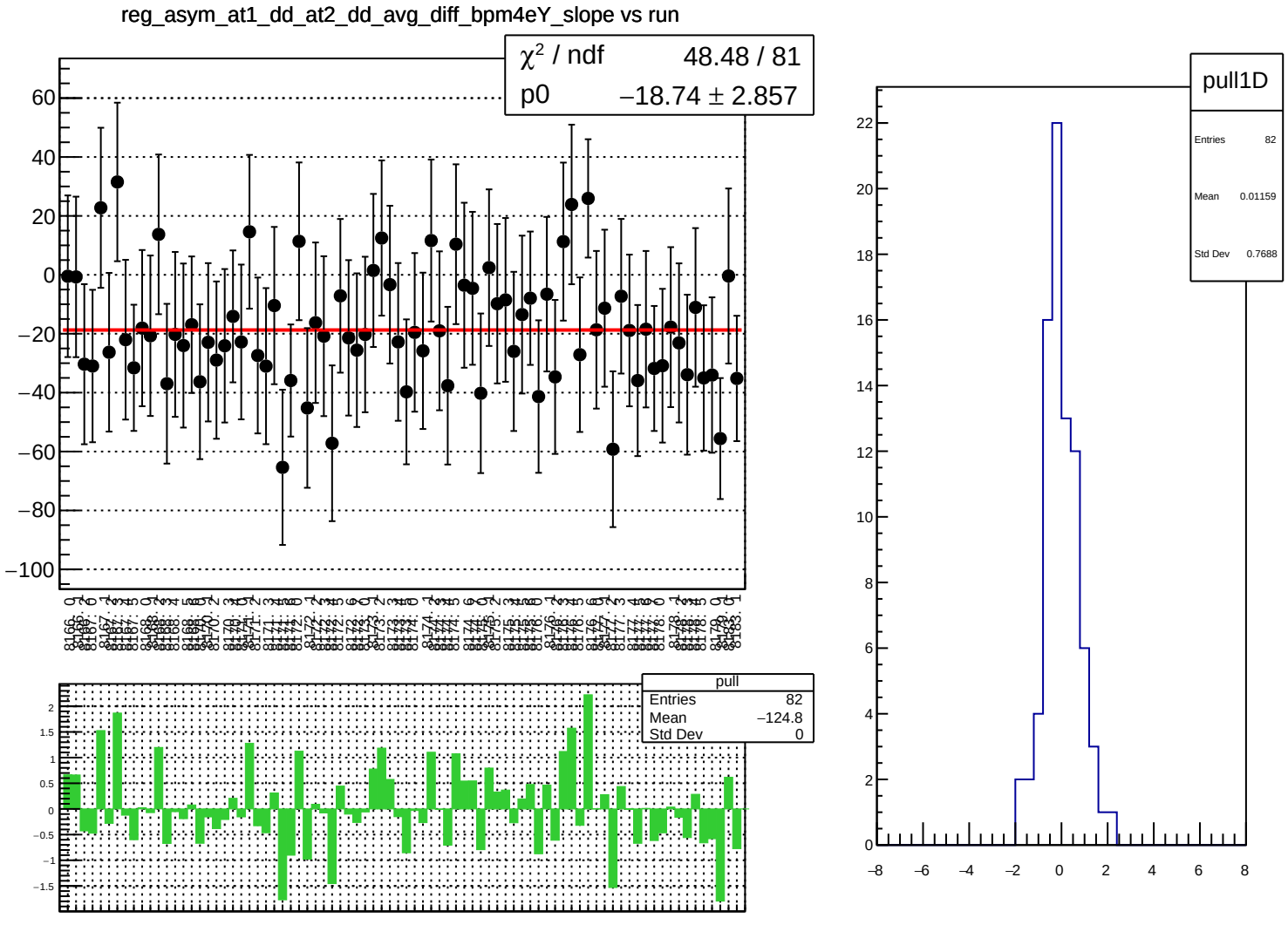

pull1D
Entries 82
Mean 0.004878
Std Dev 0.7386

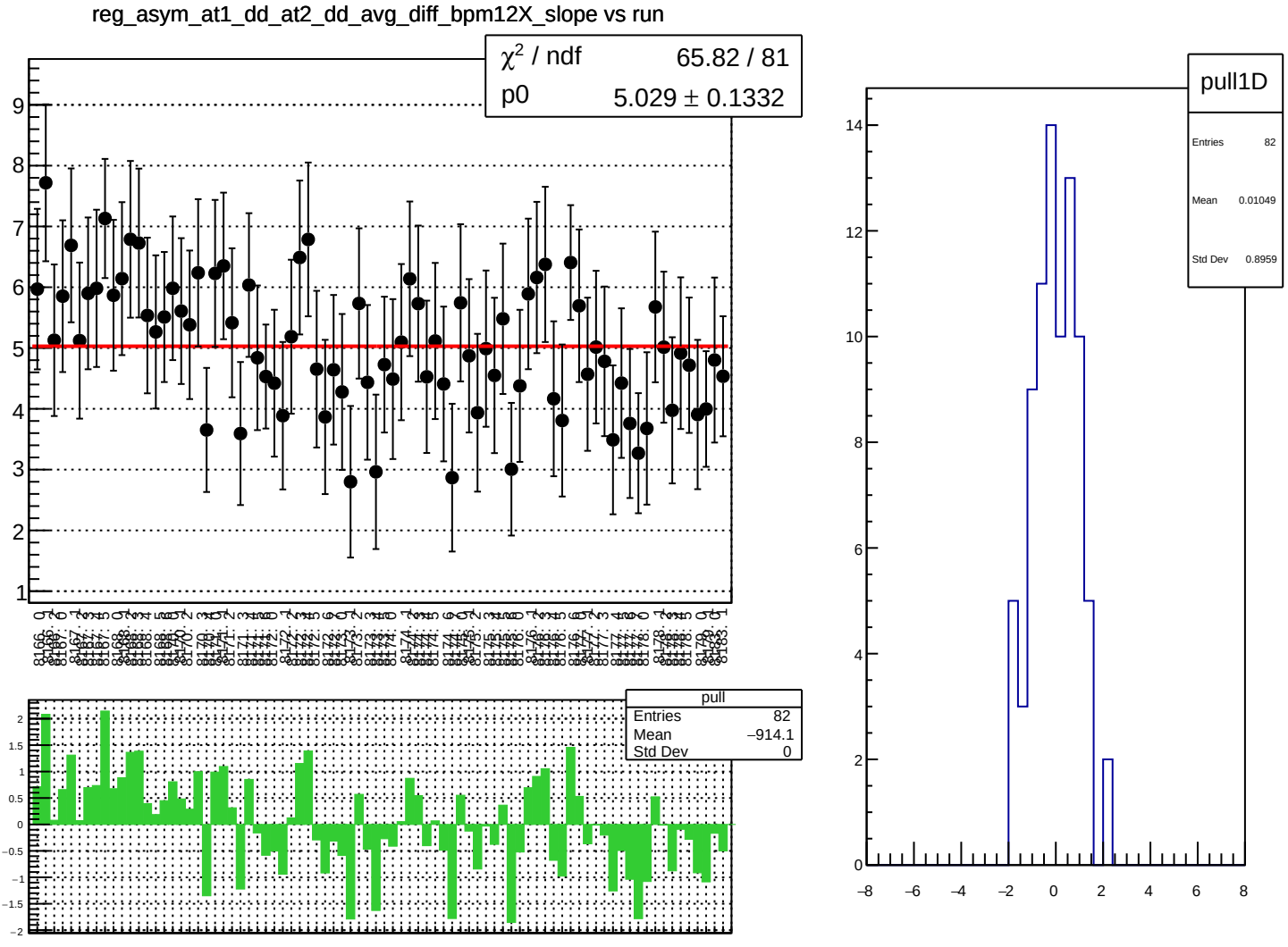

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.86 / 81
p0 14.96 ± 2.67
pull
Entries 82
Mean −139.6
Std Dev 0

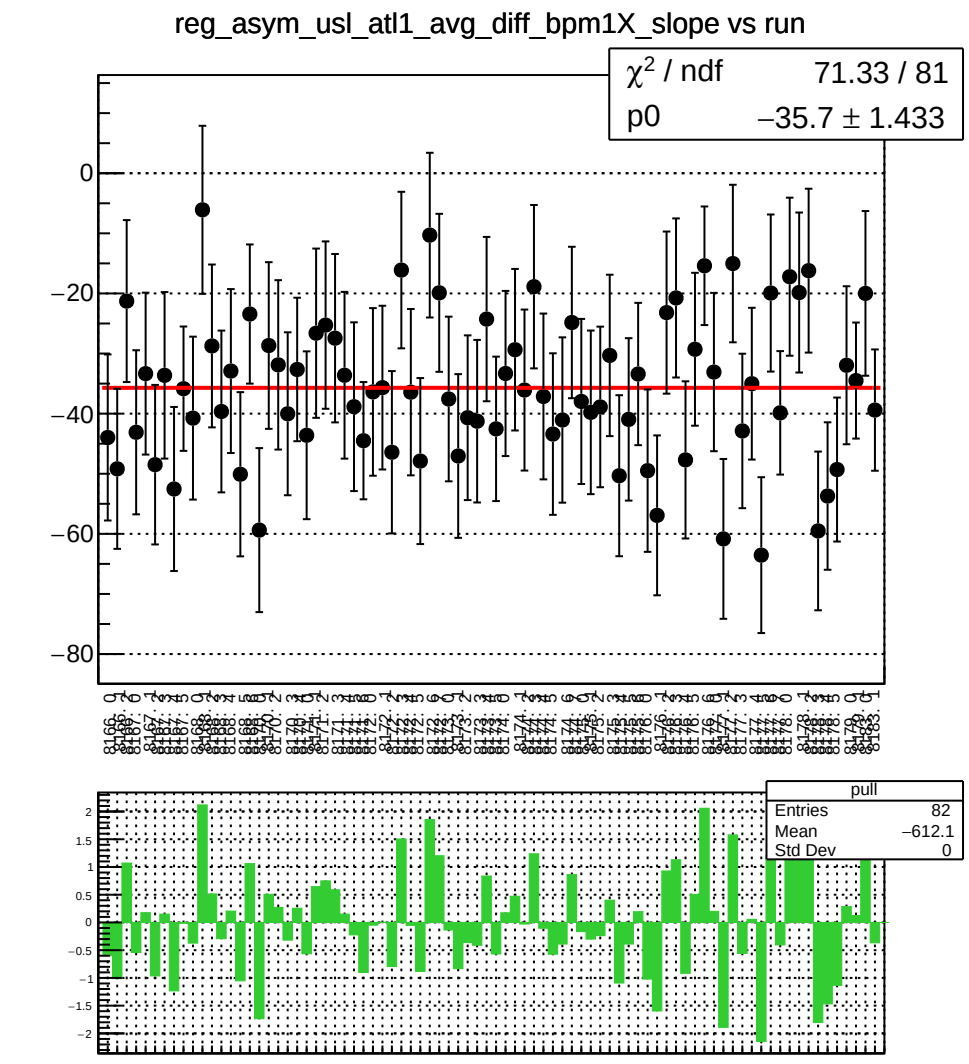

pull1D
Entries 82
Mean −0.01155
Std Dev 0.7559

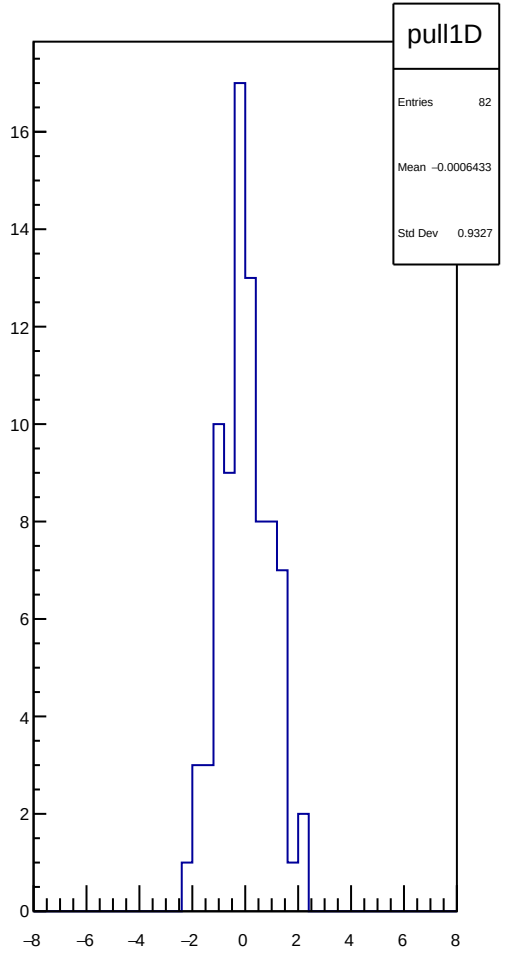

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.33 / 81
p0 56.2 ± 1.443
pull
Entries 82
Mean −1128
Std Dev 0

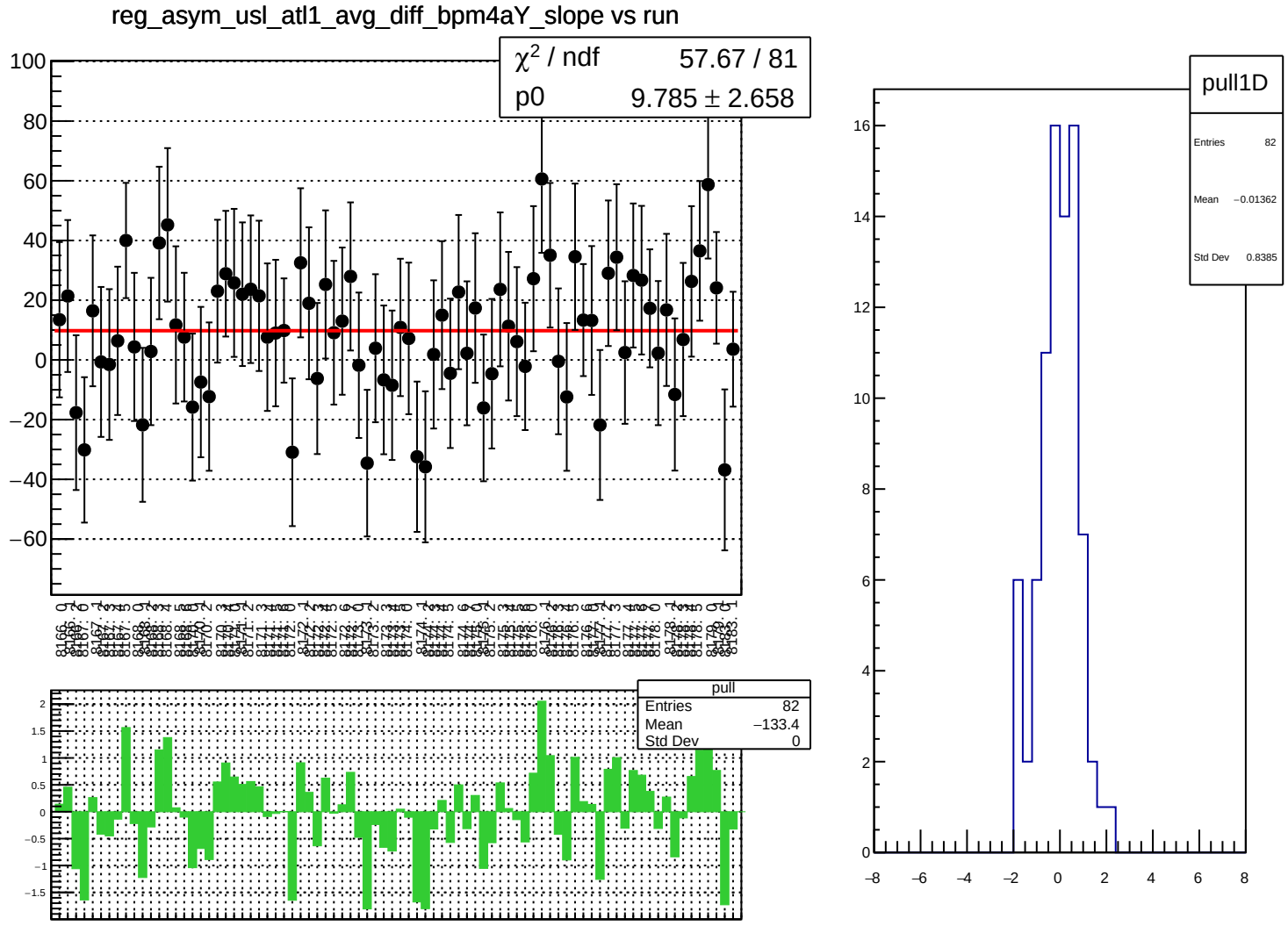

pull1D
Entries 82
Mean −0.003008
Std Dev 0.7185

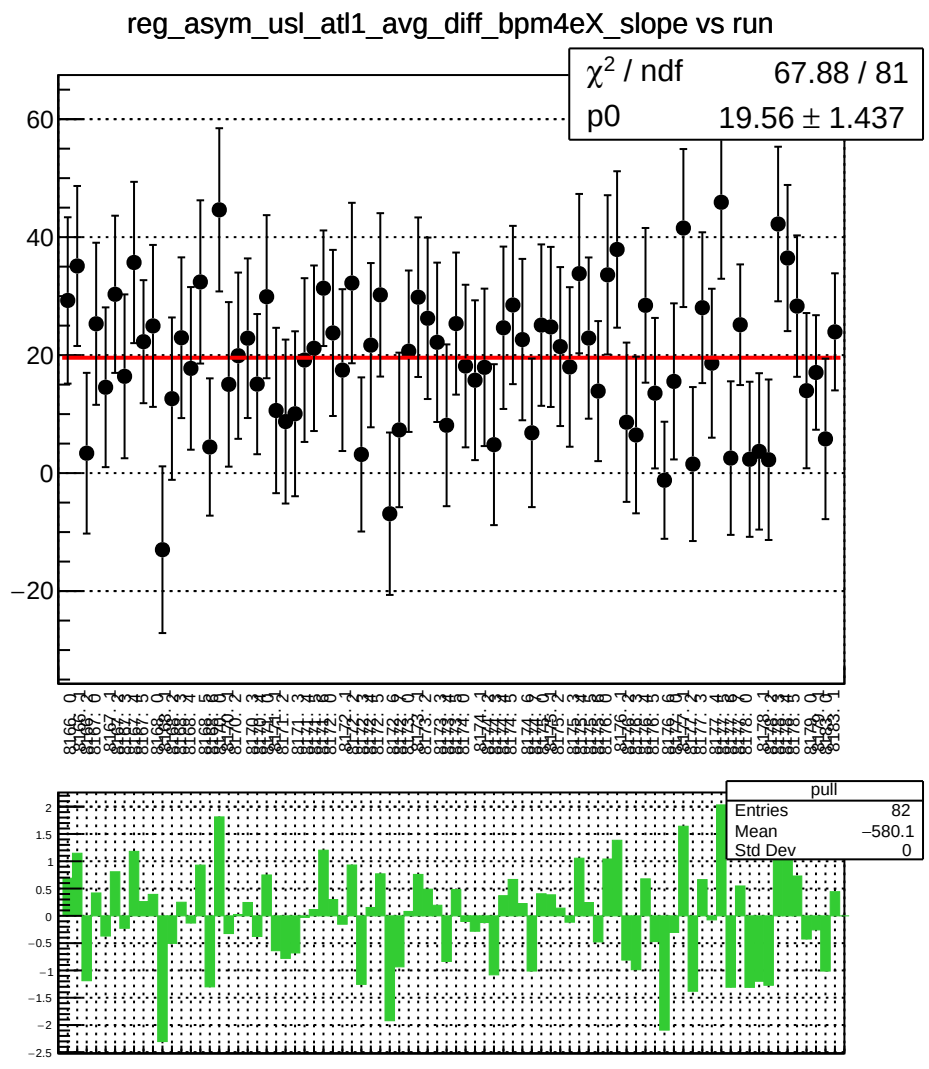

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.48 / 81
p0 −18.74 ± 2.857
pull
Entries 82
Mean −124.8
Std Dev 0
pull1D
Entries 82
Mean 0.01159
Std Dev 0.7688

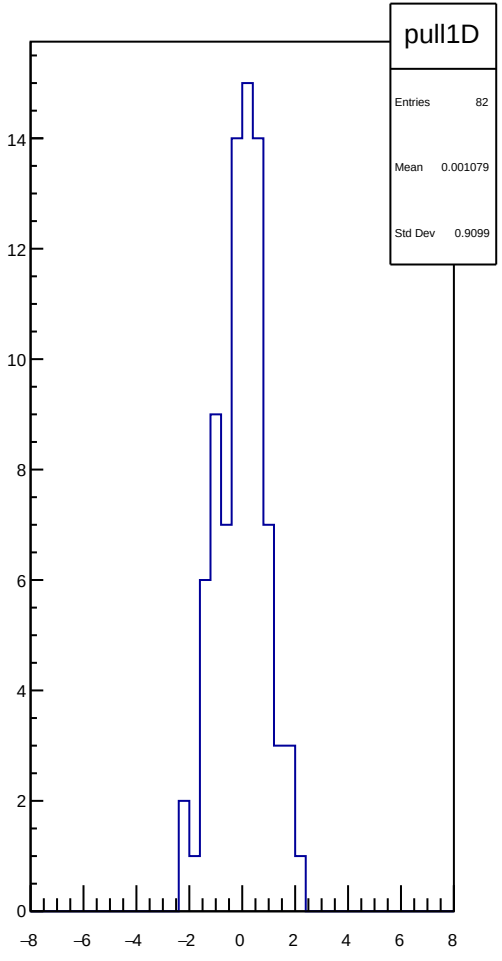

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 65.82 / 81
p0 5.029 ± 0.1332
pull
Entries 82
Mean −914.1
Std Dev 0
pull1D
Entries 82
Mean 0.01049
Std Dev 0.8959

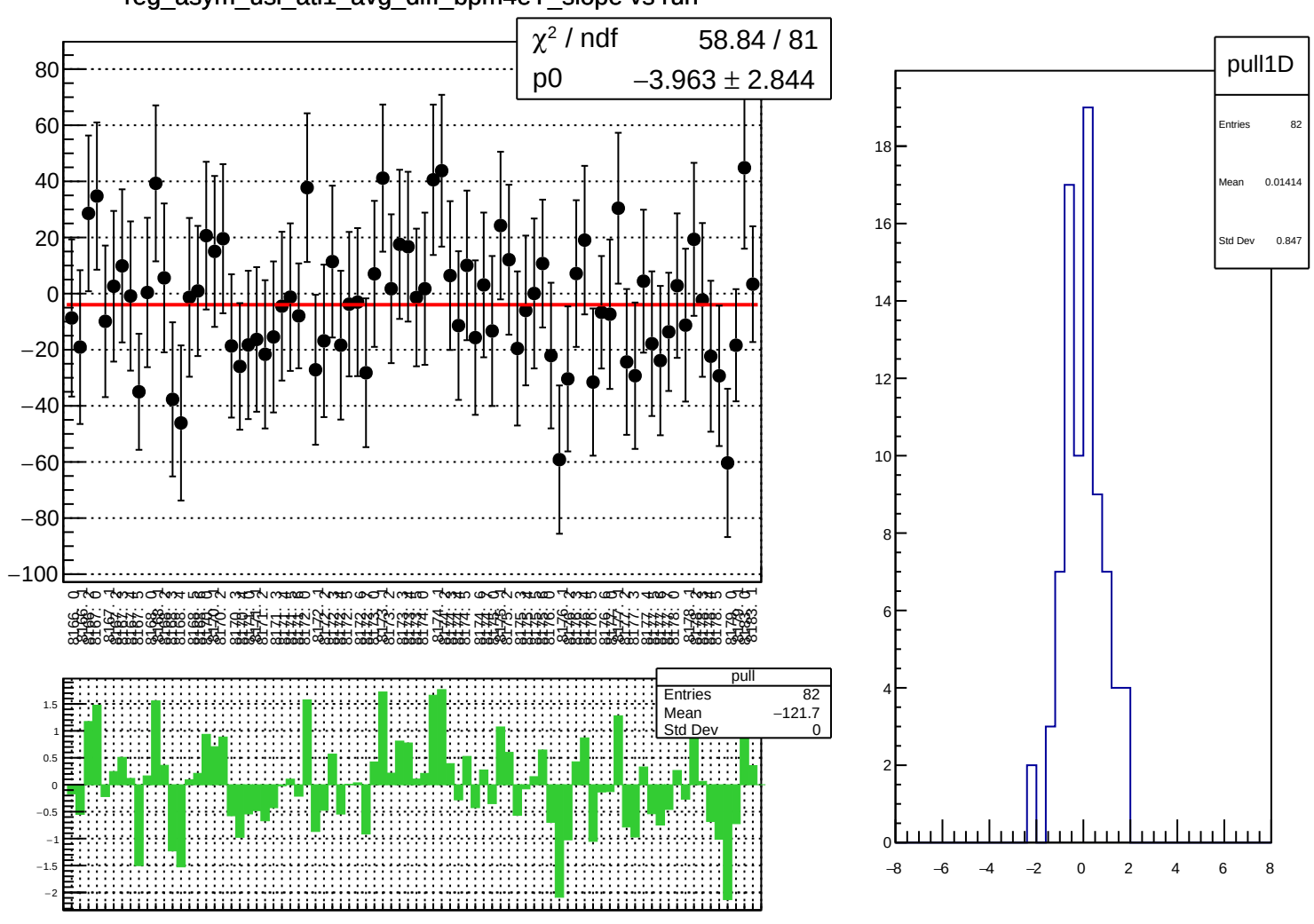

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 71.33 / 81
p0 −35.7 ± 1.433
0
−20
−40
−60
−80
pull
Entries 82
Mean −612.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

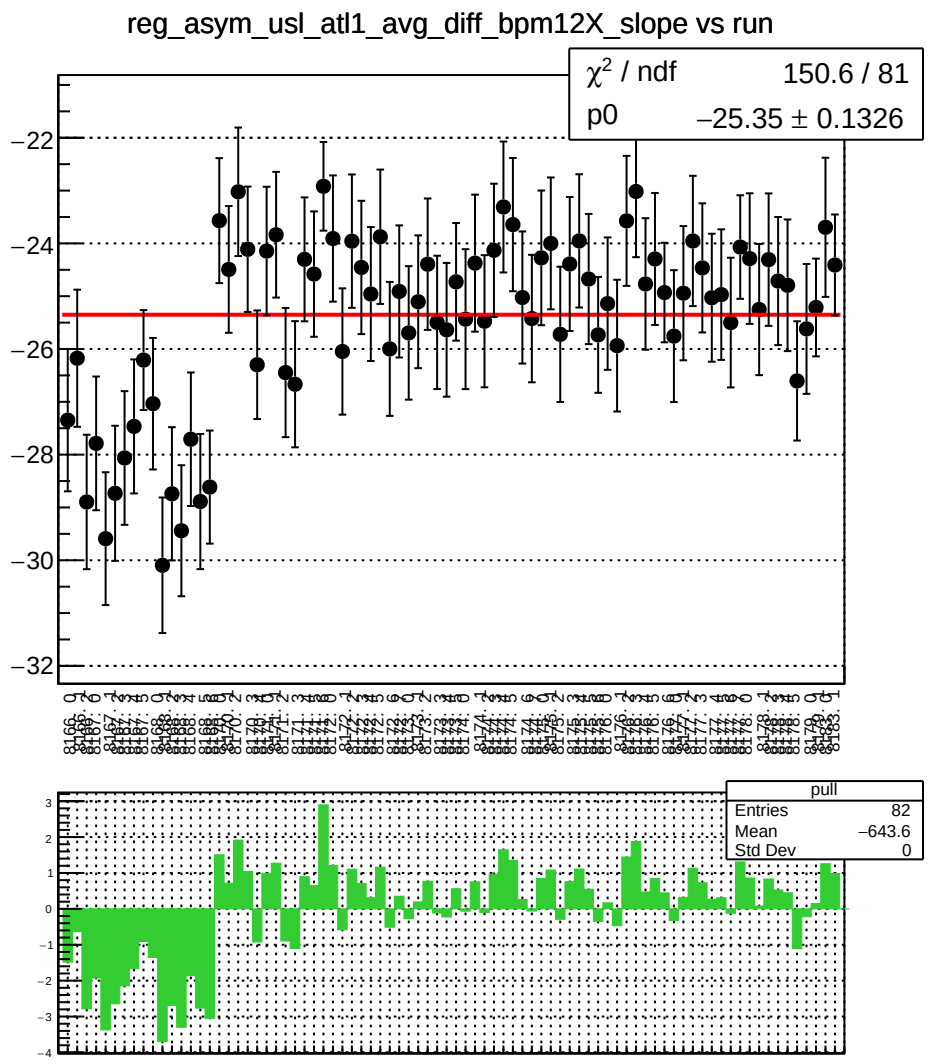

pull1D
Entries 82
Mean −0.0006433
Std Dev 0.9327
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

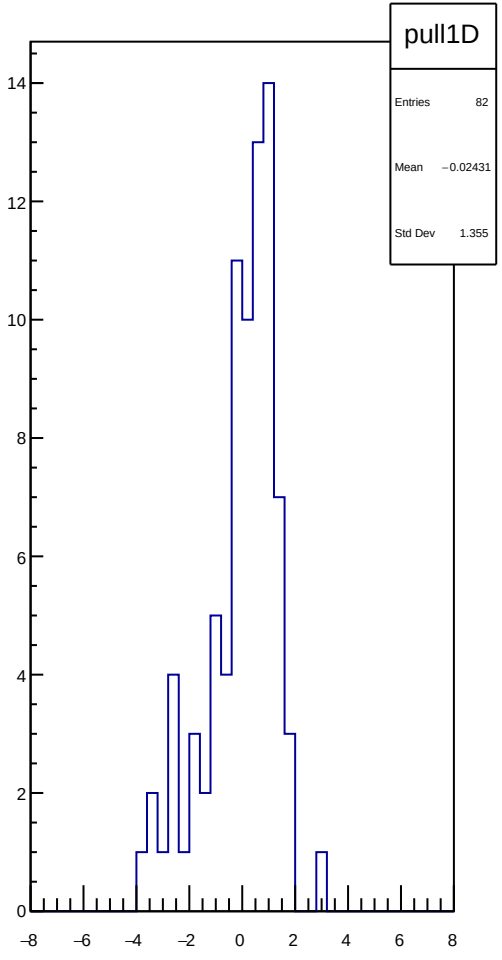

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.67 / 81
p0 9.785 ± 2.658
pull
Entries 82
Mean −133.4
Std Dev 0
pull1D
Entries 82
Mean −0.01362
Std Dev 0.8385

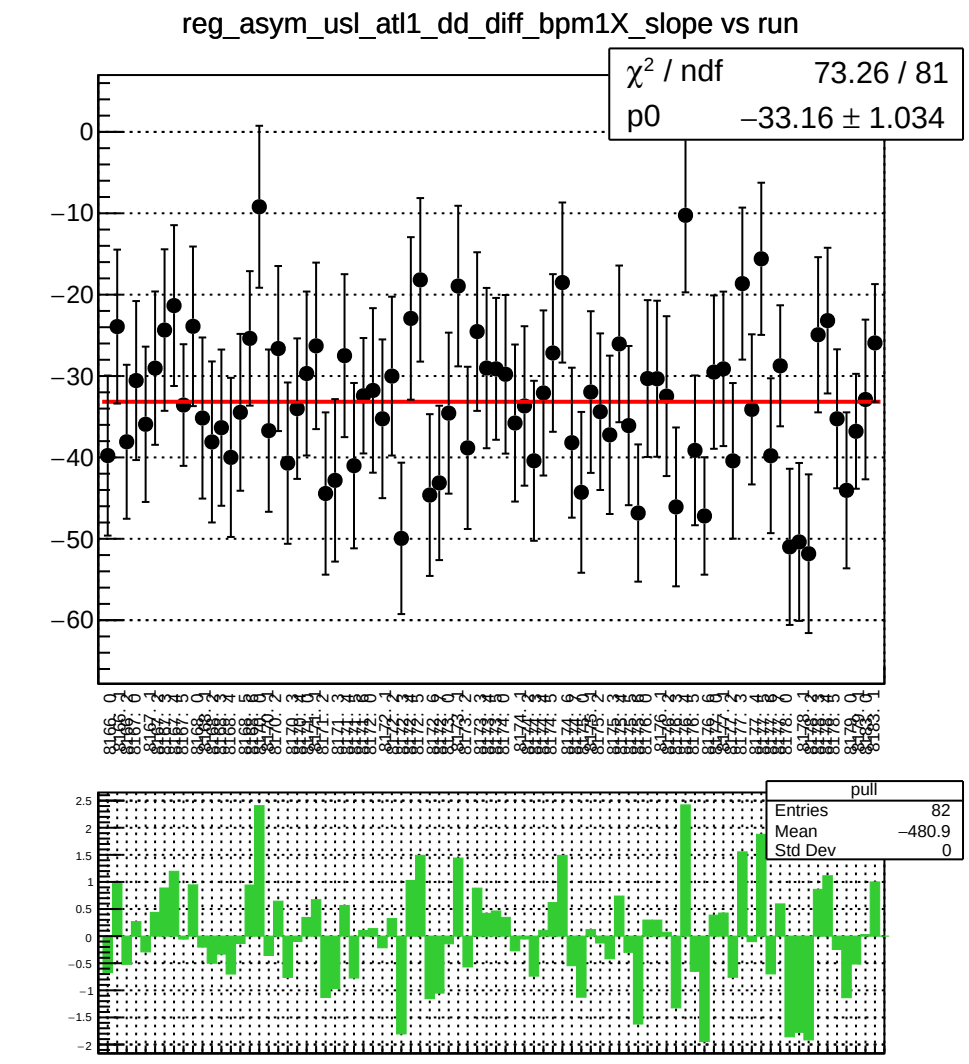

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.88 / 81
p0 19.56 ± 1.437
pull
Entries 82
Mean −580.1
Std Dev 0

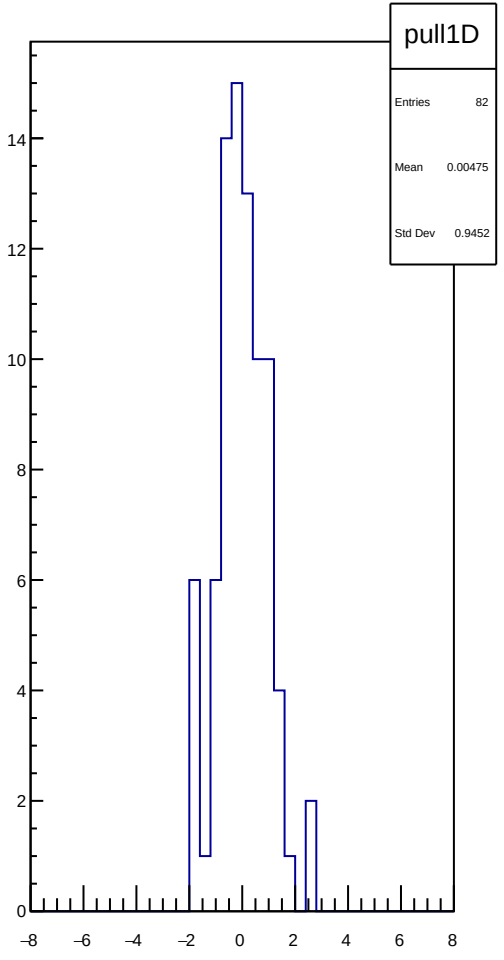

pull1D
Entries 82
Mean 0.001079
Std Dev 0.9099

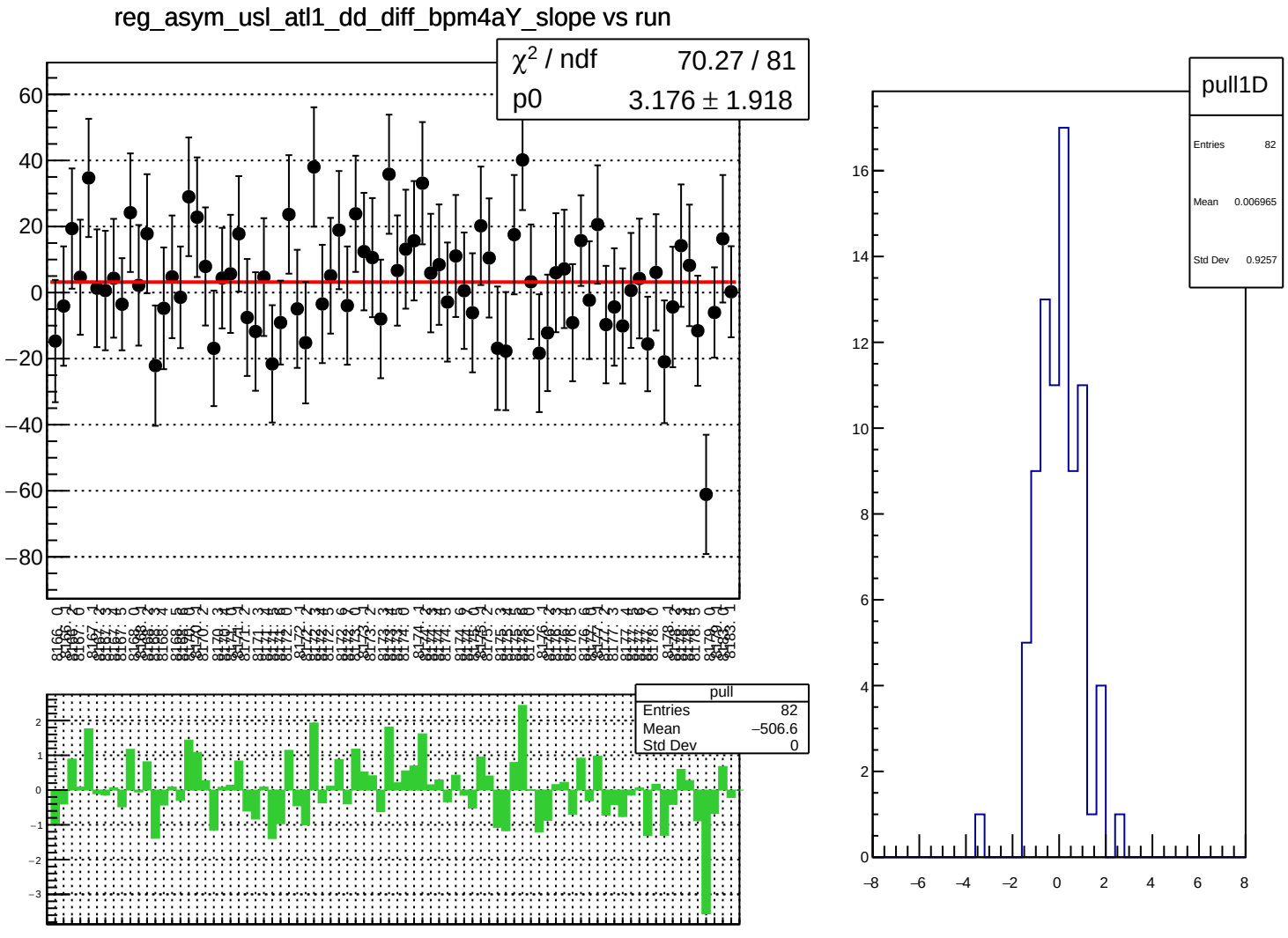

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.84 / 81
p0 −3.963 ± 2.844
pull
Entries 82
Mean −121.7
Std Dev 0
pull1D
Entries 82
Mean 0.01414
Std Dev 0.847

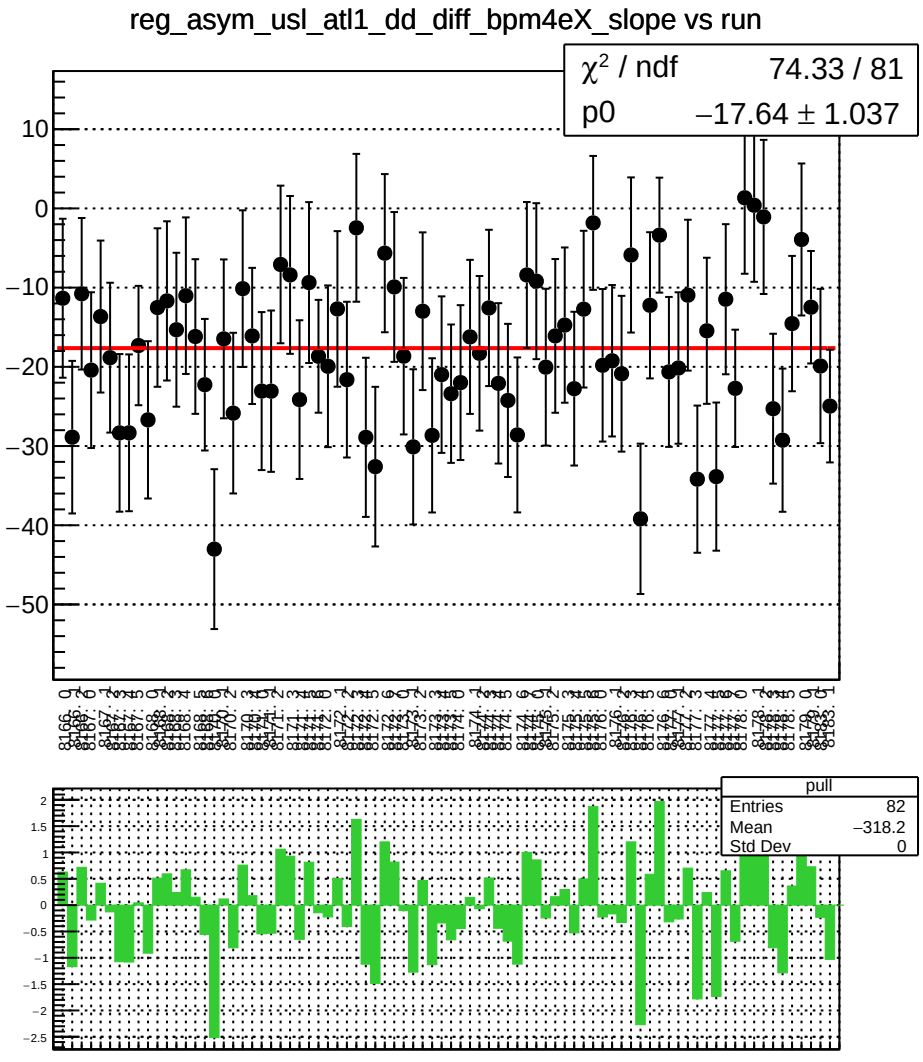

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 150.6 / 81
p0 −25.35 ± 0.1326
pull
Entries 82
Mean −643.6
Std Dev 0

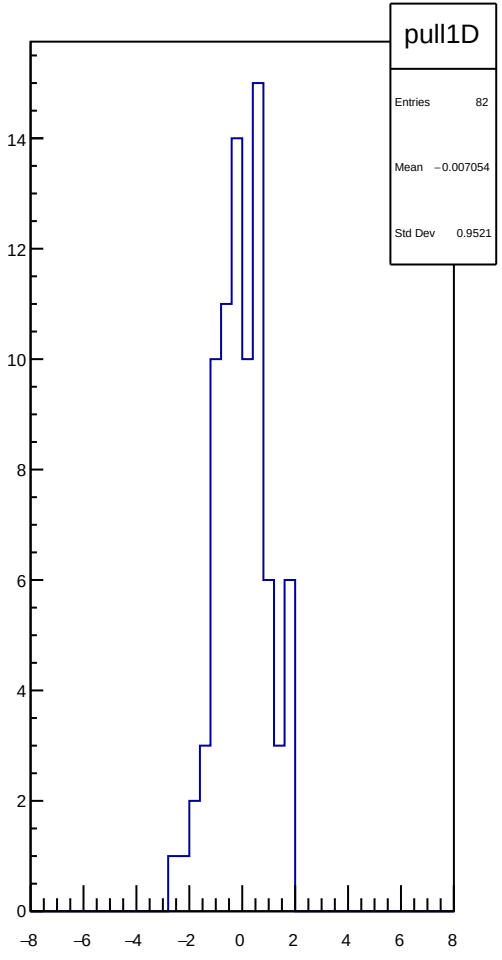

pull1D
Entries 82
Mean −0.02431
Std Dev 1.355

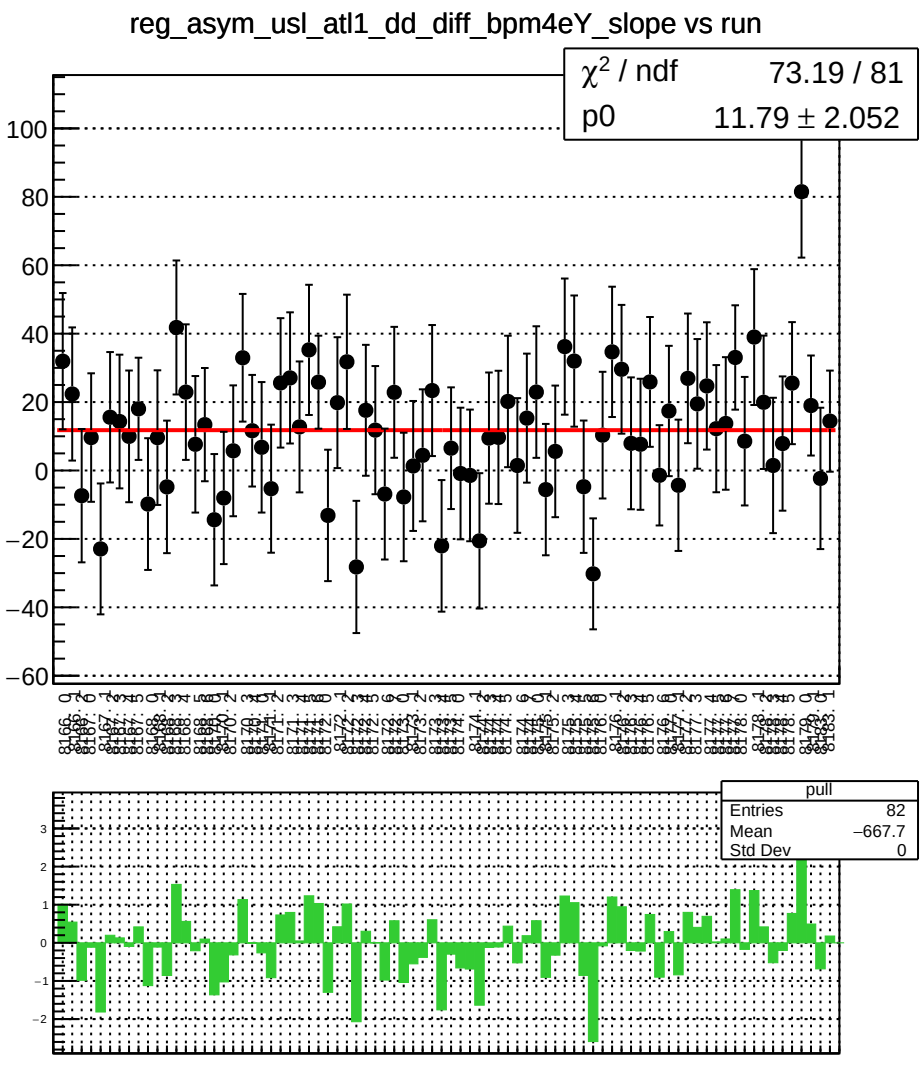

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 73.26 / 81
p0 −33.16 ± 1.034
pull
Entries 82
Mean −480.9
Std Dev 0

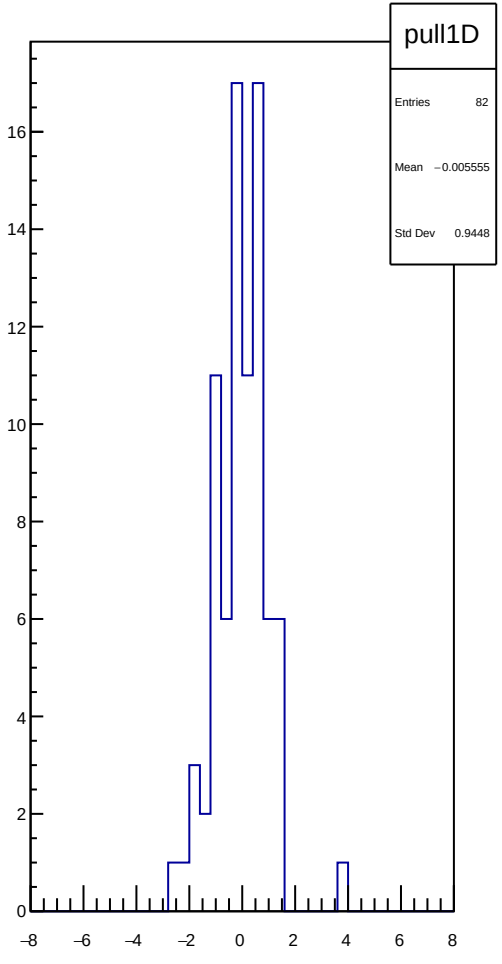

pull1D
Entries 82
Mean 0.00475
Std Dev 0.9452

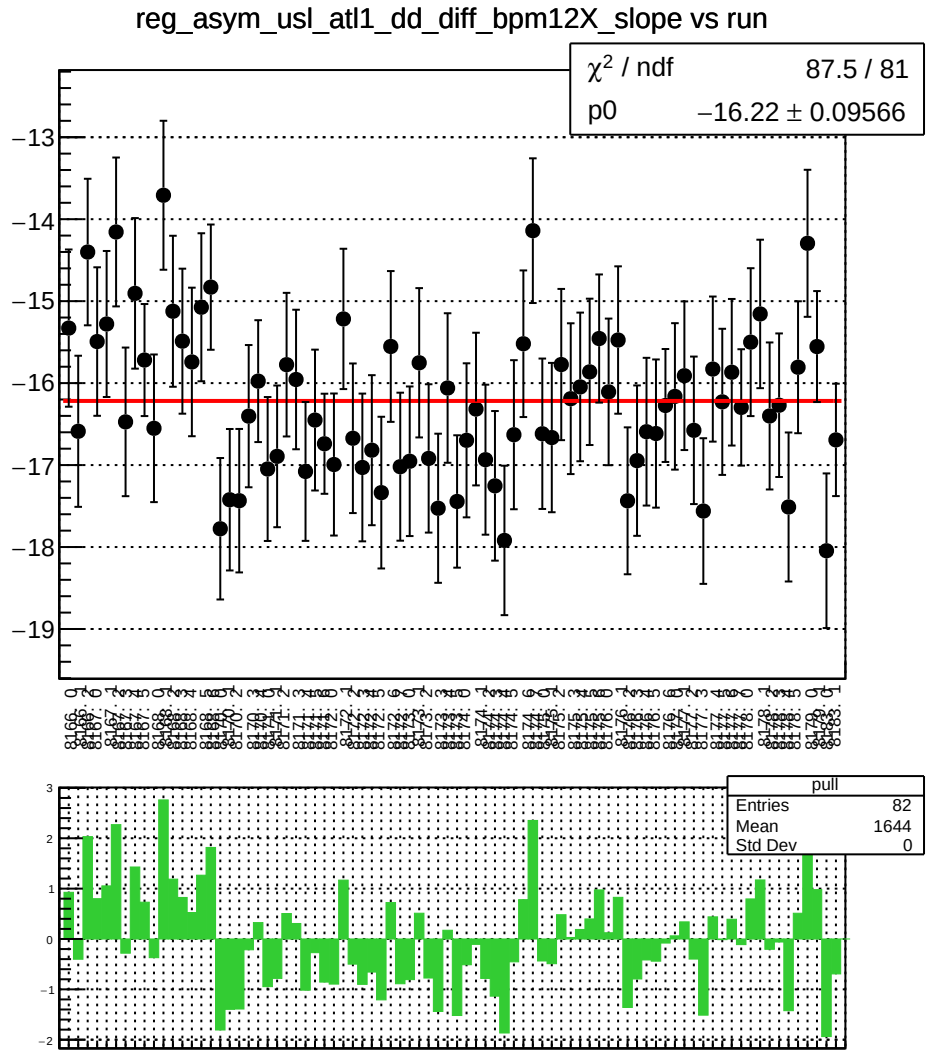

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.27 / 81
p0 3.176 ± 1.918
pull
Entries 82
Mean −506.6
Std Dev 0
pull1D
Entries 82
Mean 0.006965
Std Dev 0.9257

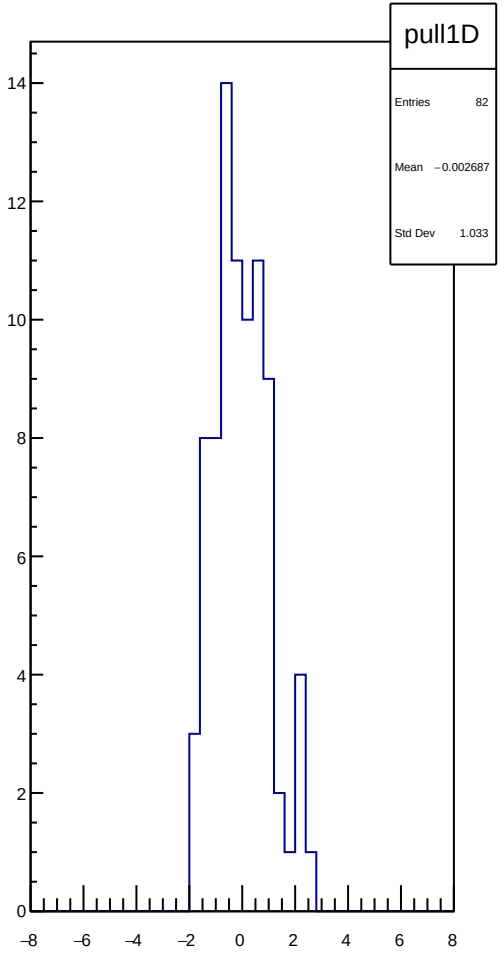

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.33 / 81
p0 −17.64 ± 1.037
pull
Entries 82
Mean −318.2
Std Dev 0

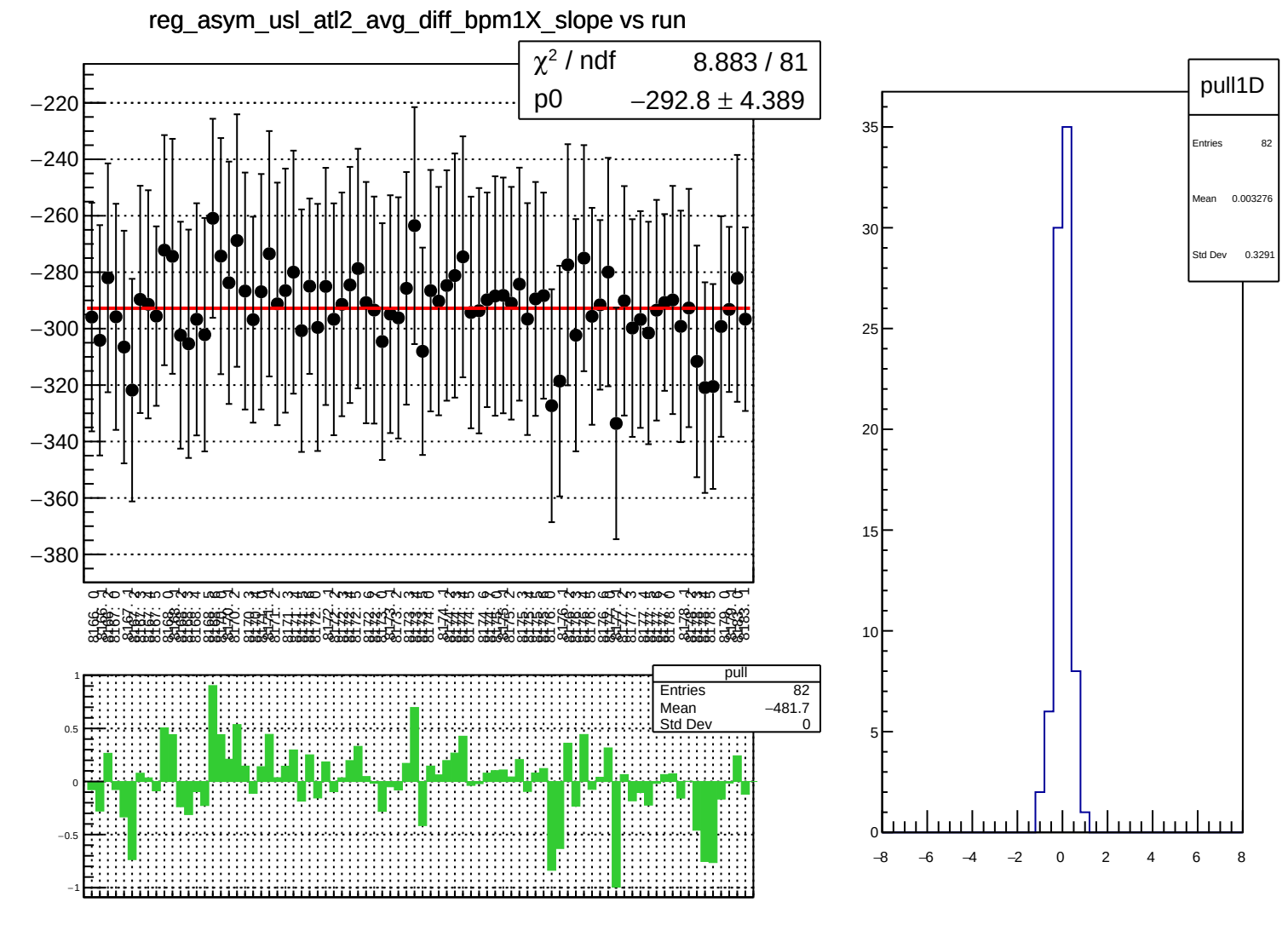

pull1D
Entries 82
Mean −0.007054
Std Dev 0.9521

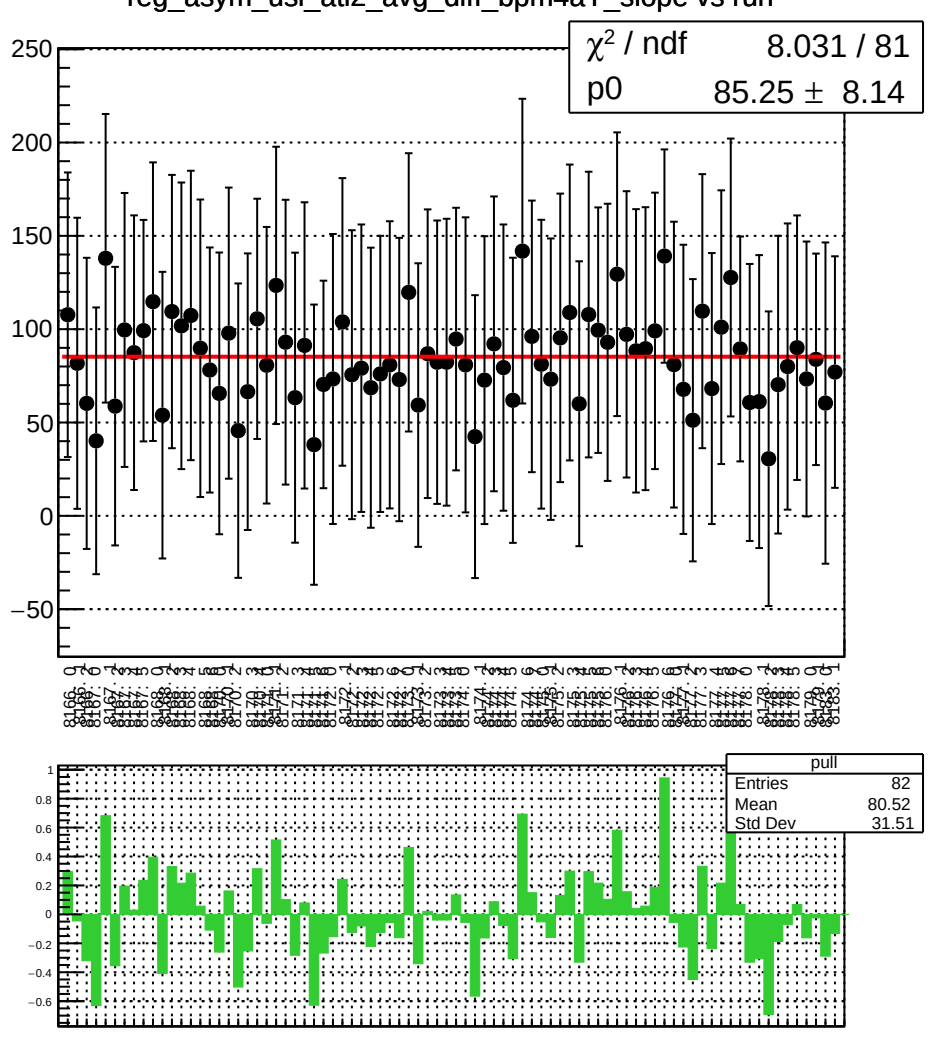

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.19 / 81
p0 11.79 ± 2.052
pull
Entries 82
Mean −667.7
Std Dev 0

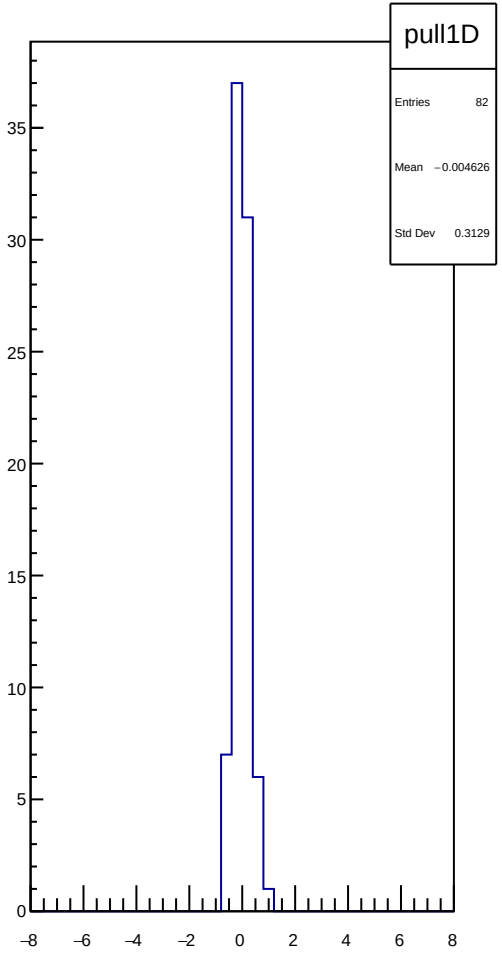

pull1D
Entries 82
Mean −0.005555
Std Dev 0.9448

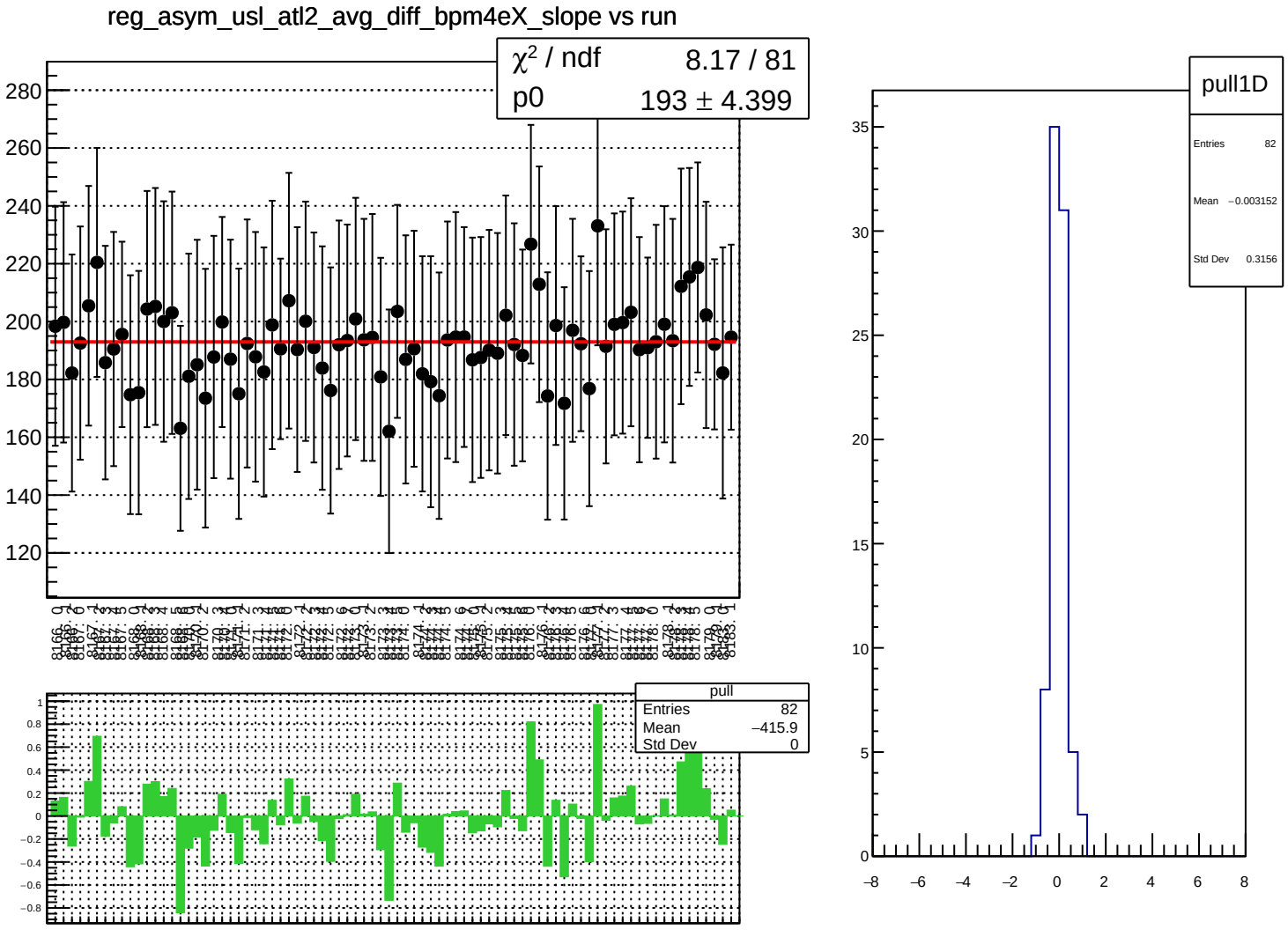

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 87.5 / 81
p0 −16.22 ± 0.09566
pull
Entries 82
Mean 1644
Std Dev 0

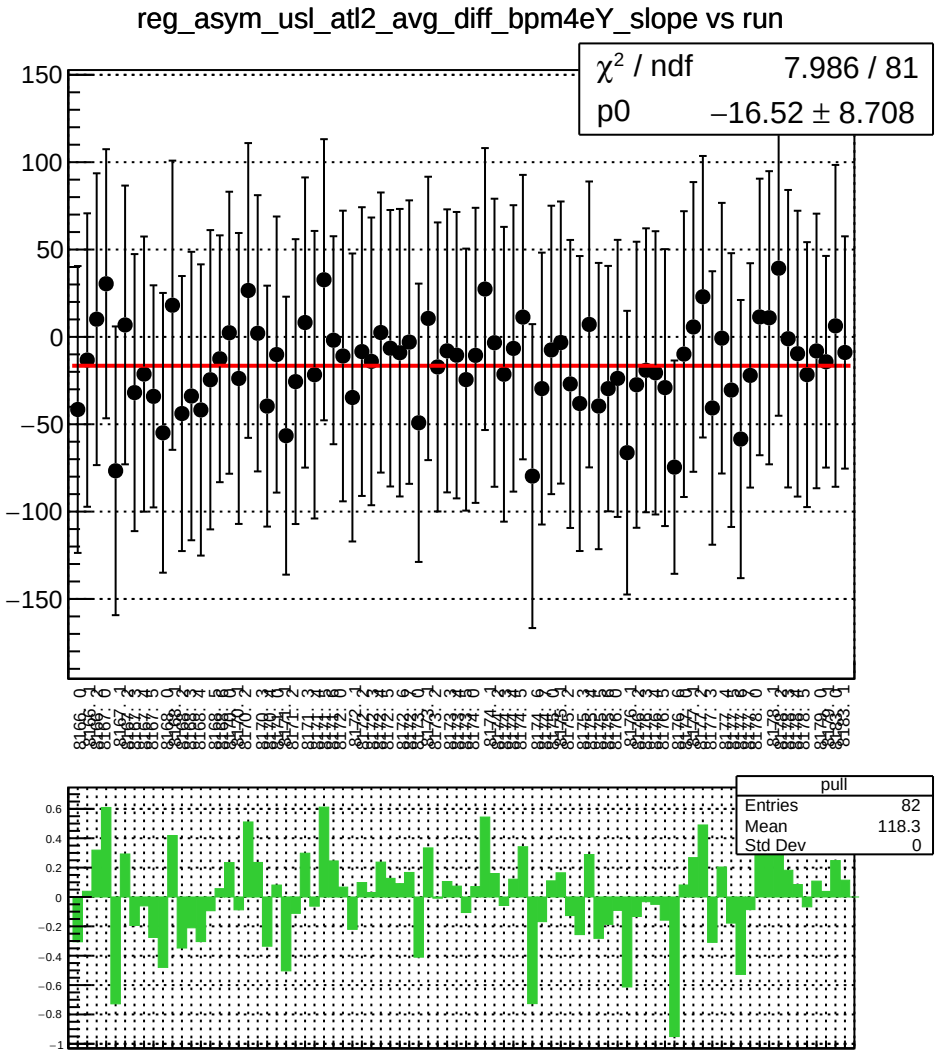

pull1D
Entries 82
Mean −0.002687
Std Dev 1.033

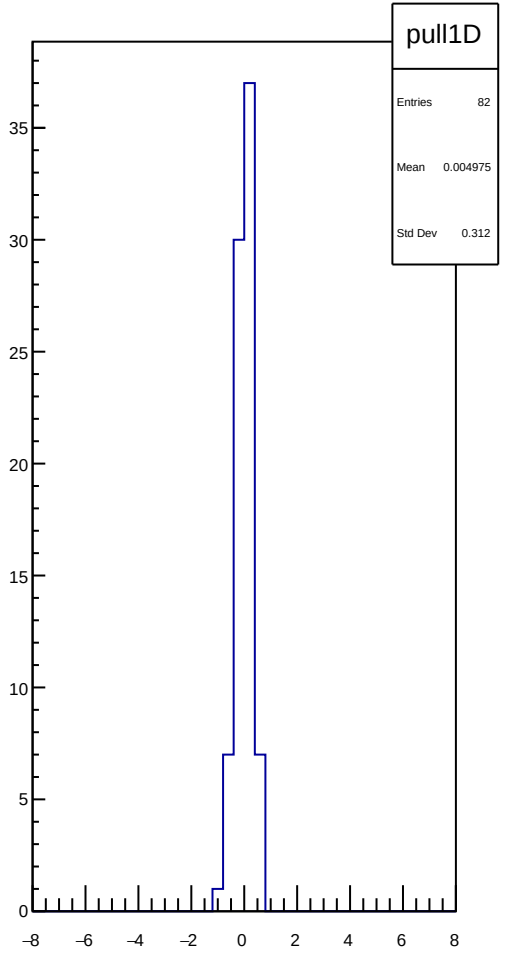

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.883 / 81
p0 −292.8 ± 4.389
pull
Entries 82
Mean −481.7
Std Dev 0
pull1D
Entries 82
Mean 0.003276
Std Dev 0.3291

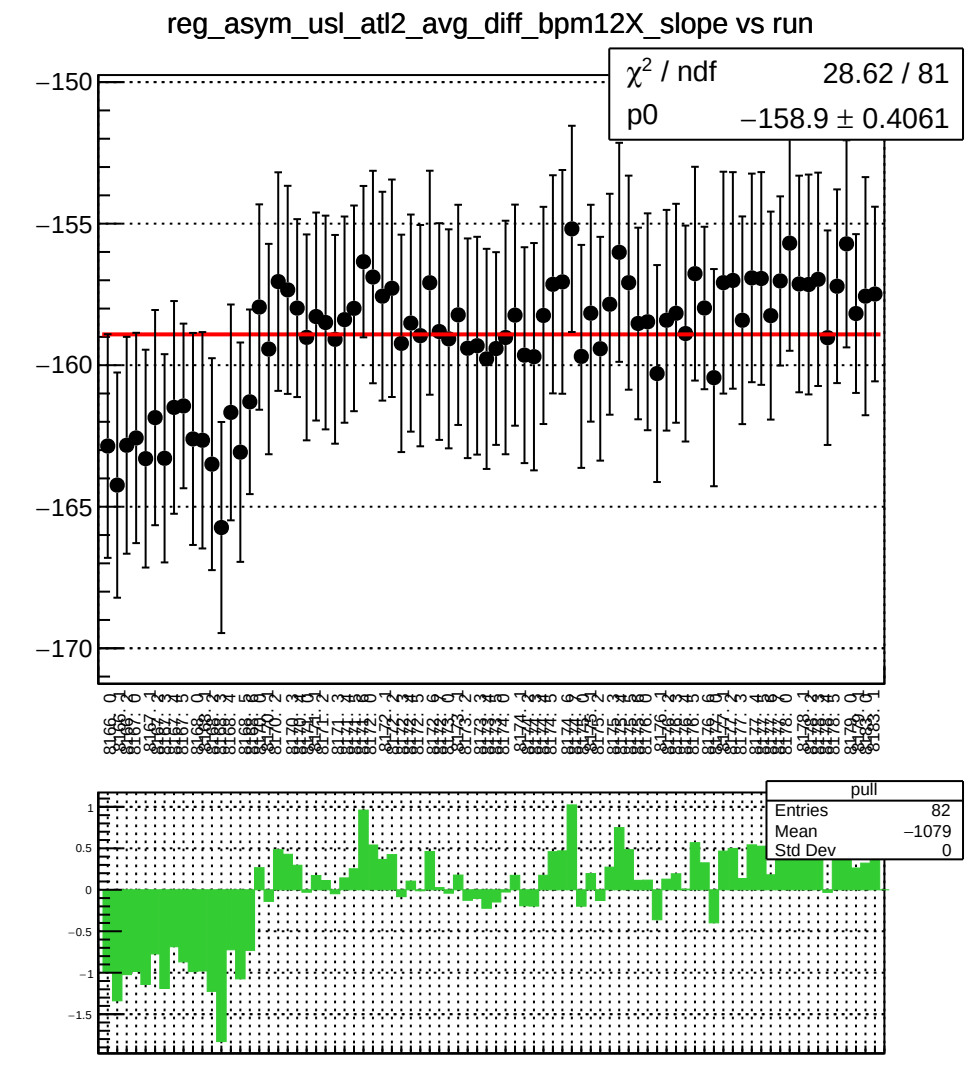

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.031 / 81
p0 85.25 ± 8.14
pull
Entries 82
Mean 80.52
Std Dev 31.51

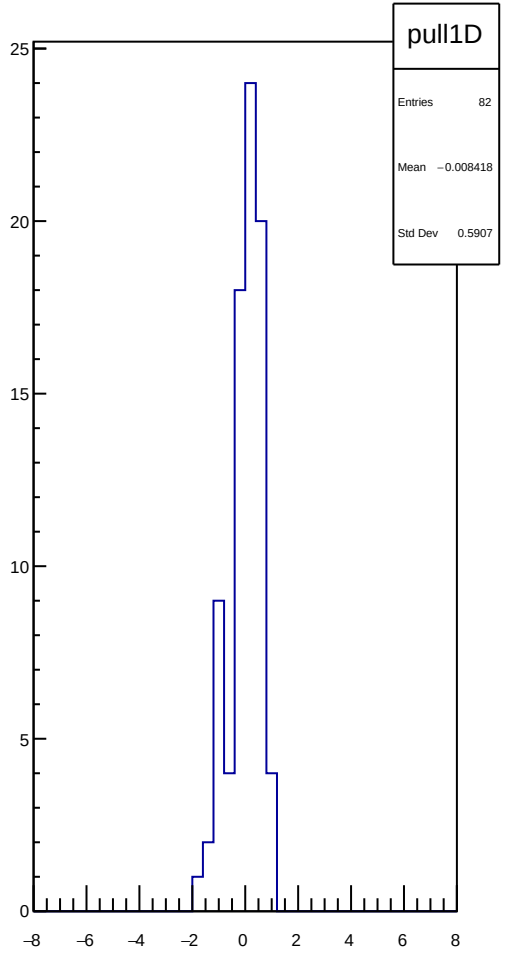

pull1D
Entries 82
Mean −0.004626
Std Dev 0.3129

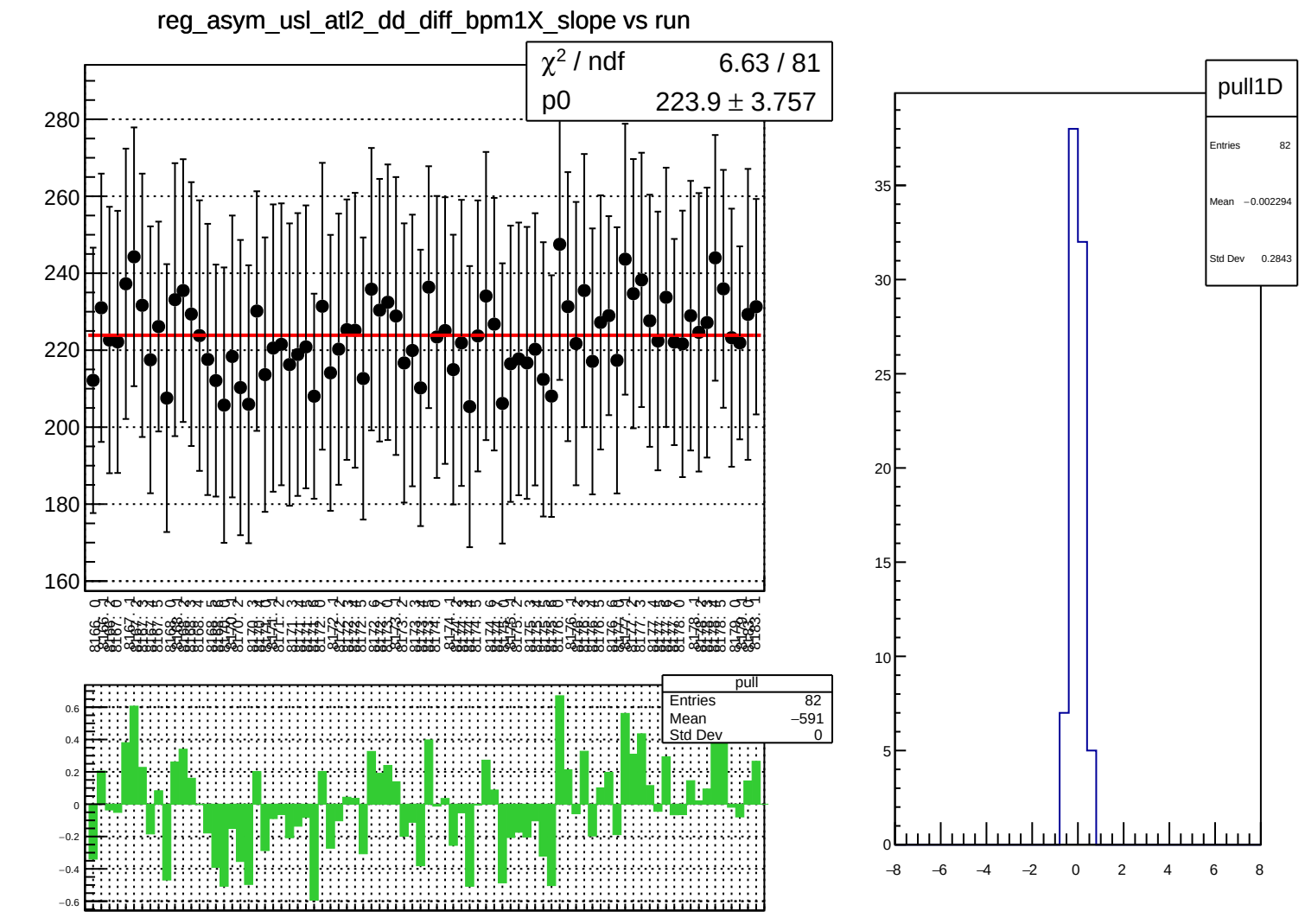

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.17 / 81
p0 193 ± 4.399
pull
Entries 82
Mean −415.9
Std Dev 0
pull1D
Entries 82
Mean −0.003152
Std Dev 0.3156

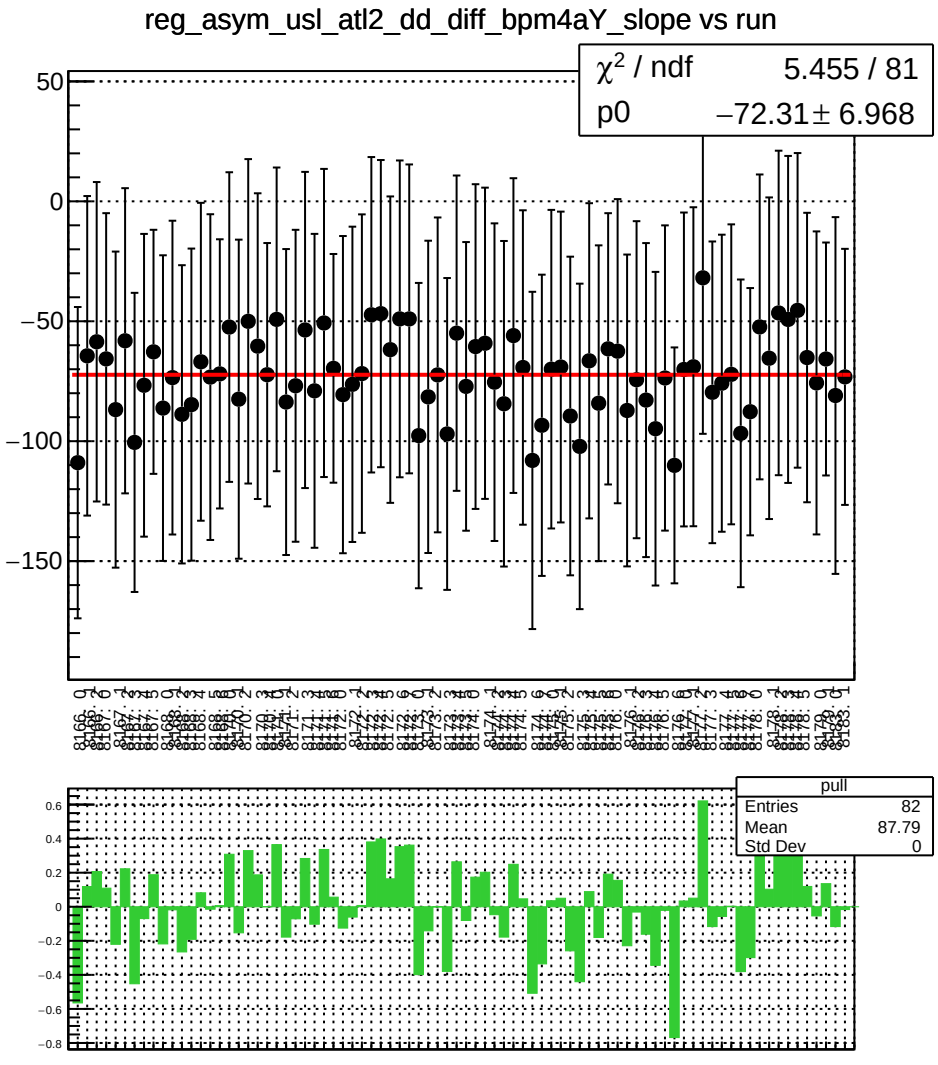

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.986 / 81
p0 −16.52 ± 8.708
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean 118.3
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

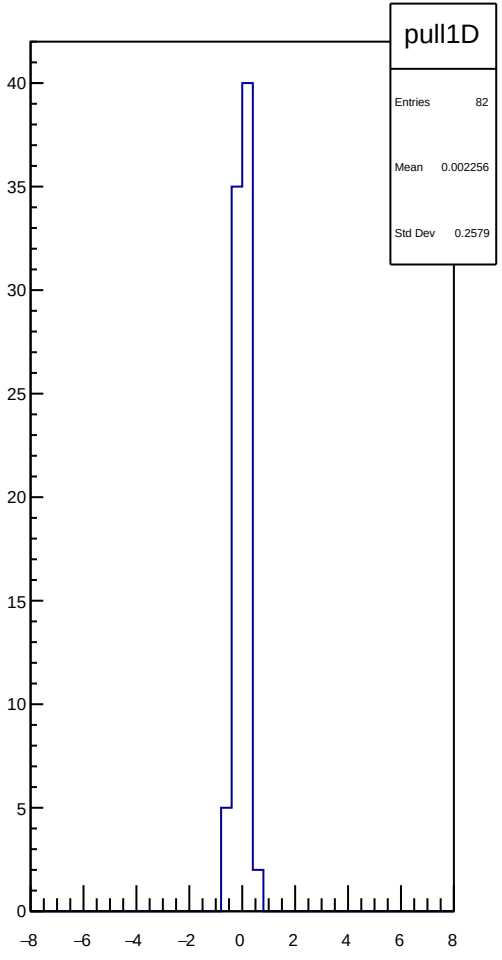

pull1D
Entries 82
Mean 0.004975
Std Dev 0.312
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

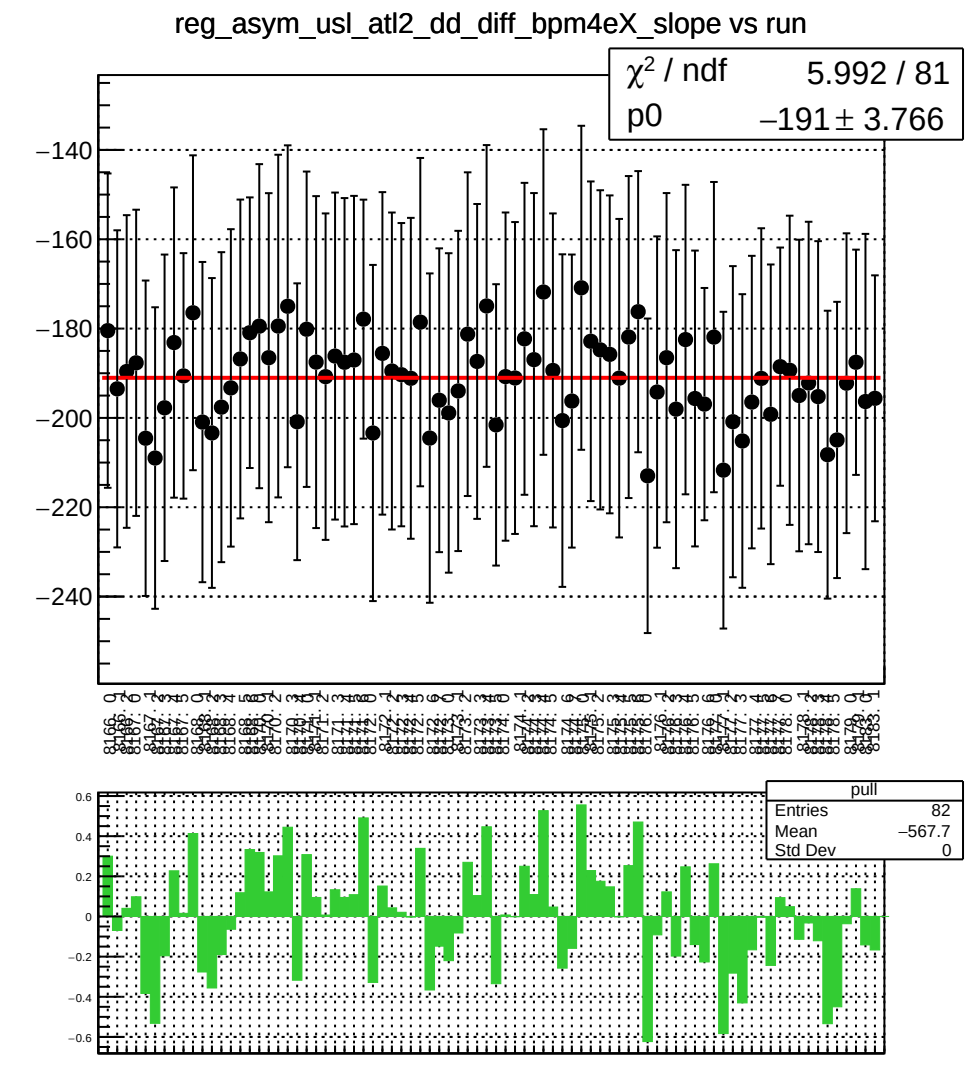

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 28.62 / 81
p0 −158.9 ± 0.4061
−150
−155
−160
−165
−170
pull
Entries 82
Mean −1079
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

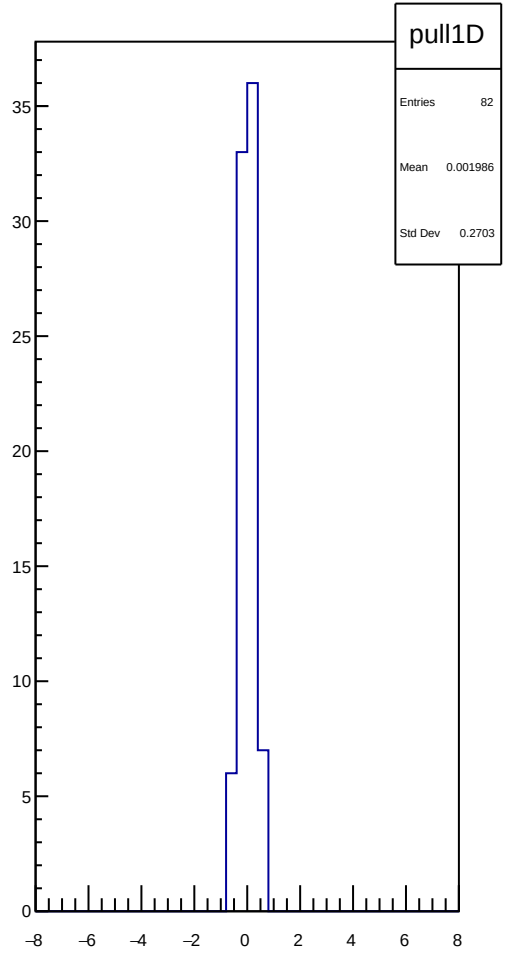

pull1D
Entries 82
Mean −0.008418
Std Dev 0.5907
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

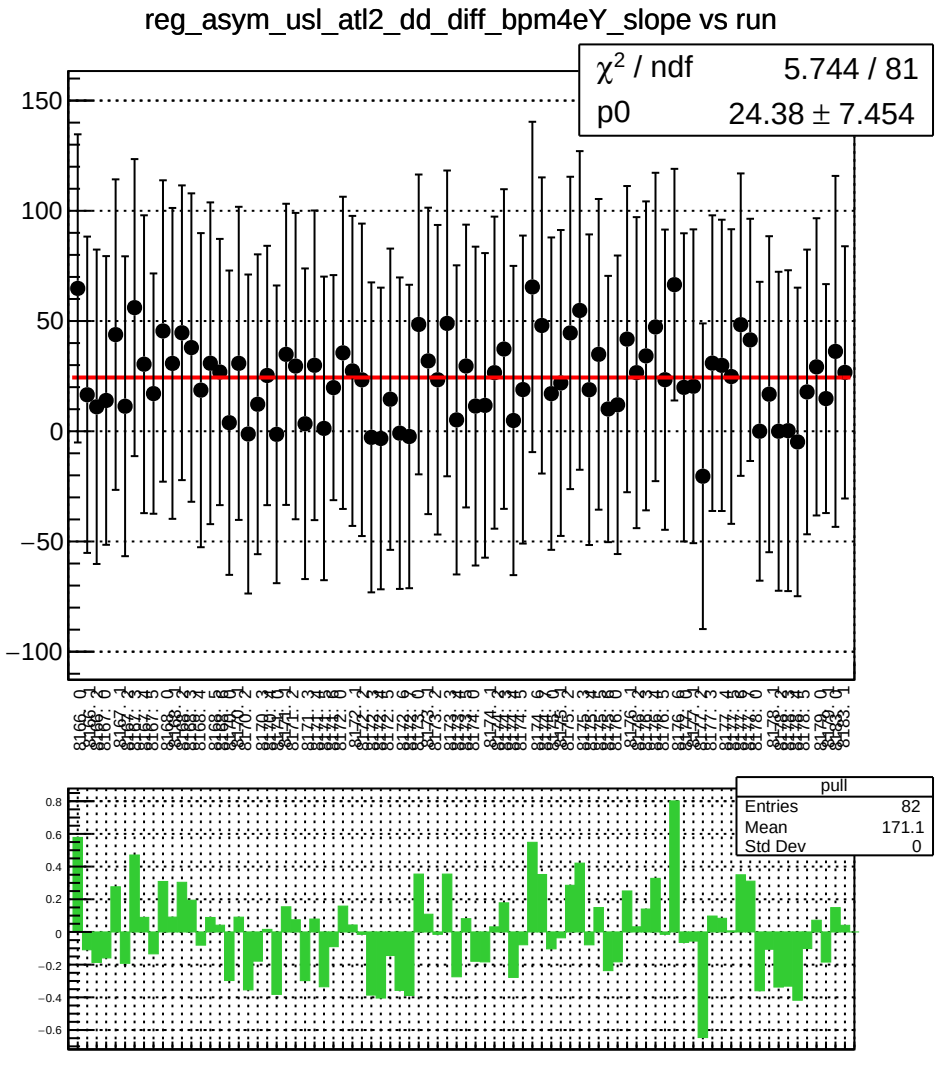

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.63 / 81
p0 223.9 ± 3.757
pull
Entries 82
Mean −591
Std Dev 0
pull1D
Entries 82
Mean −0.002294
Std Dev 0.2843

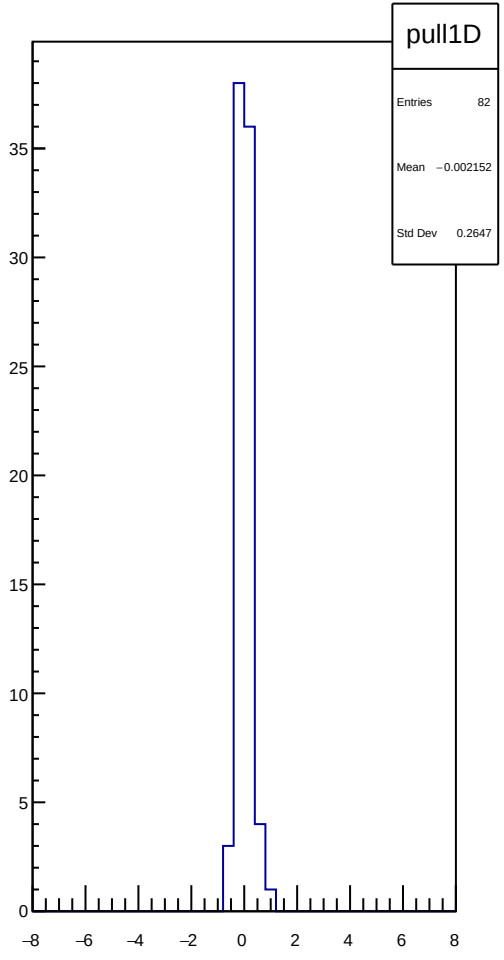

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.455 / 81
p0 −72.31 ± 6.968
pull
Entries 82
Mean 87.79
Std Dev 0

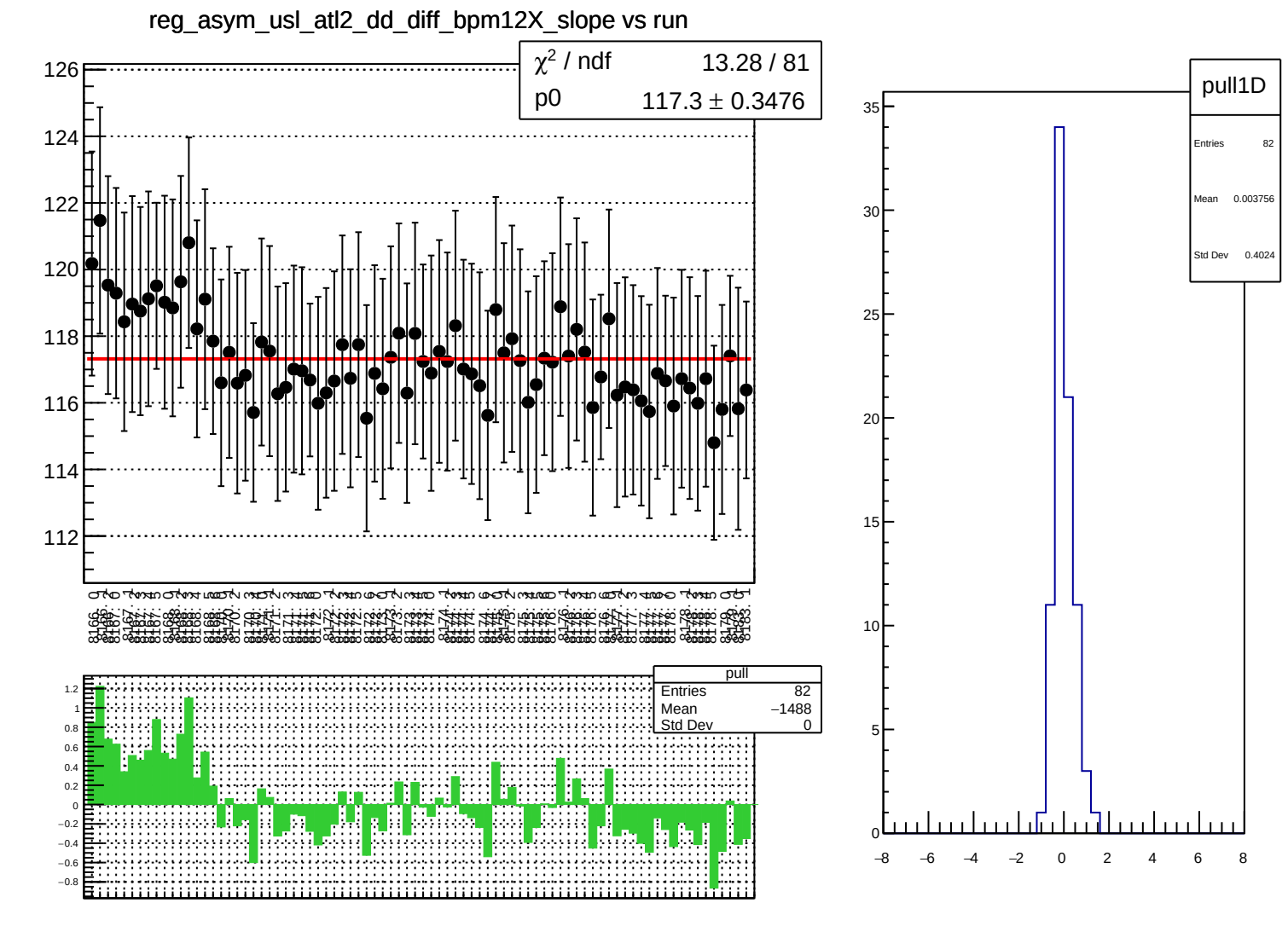

pull1D
Entries 82
Mean 0.002256
Std Dev 0.2579

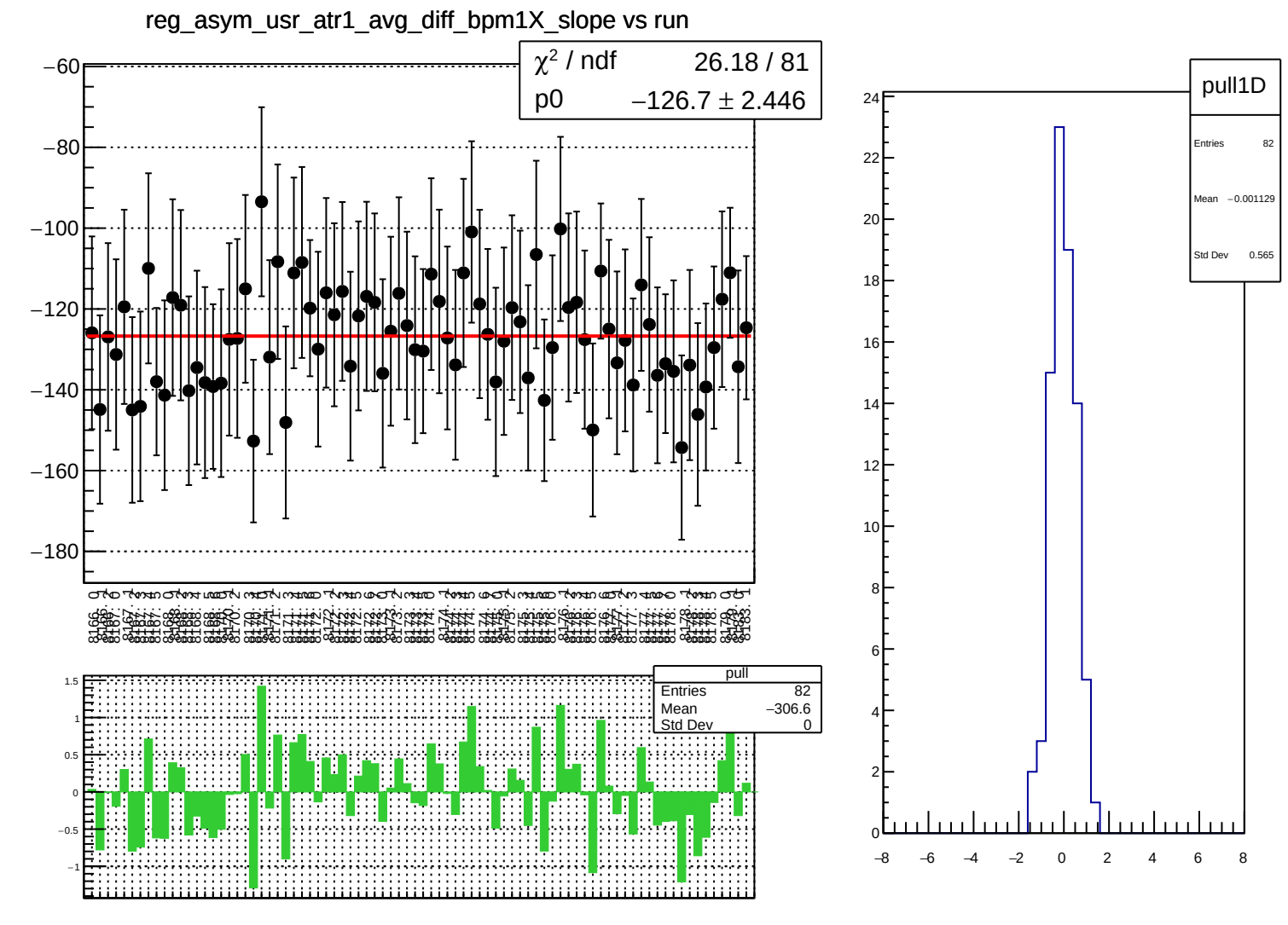

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.992 / 81
p0 −191 ± 3.766
−140
−160
−180
−200
−220
−240
pull
Entries 82
Mean −567.7
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

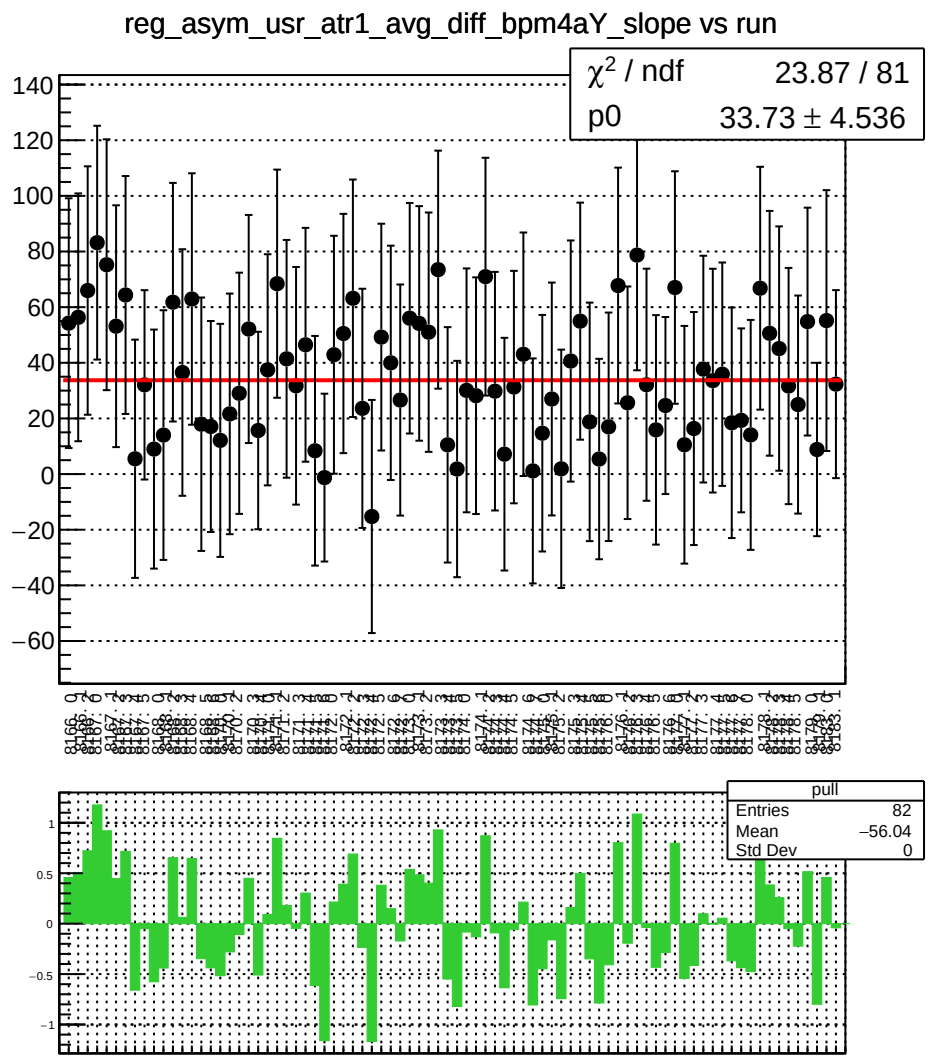

pull1D
Entries 82
Mean 0.001986
Std Dev 0.2703
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

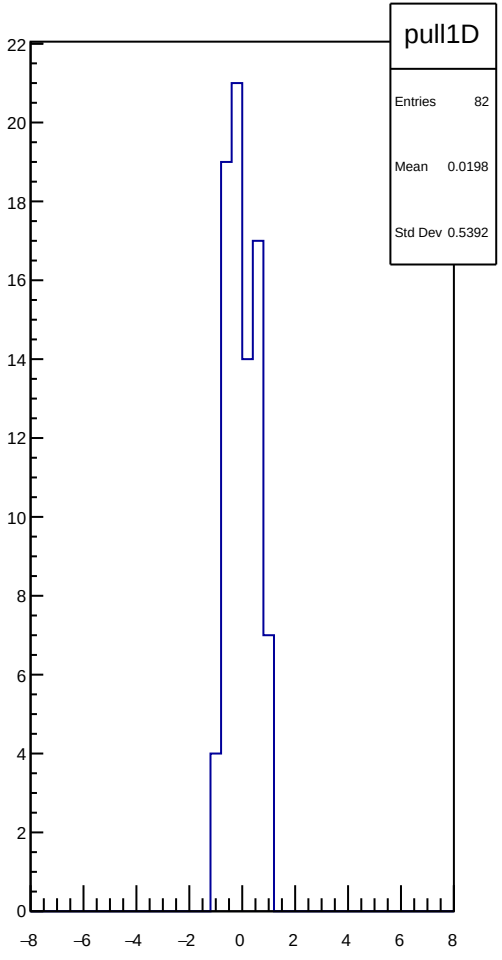

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.744 / 81
p0 24.38 ± 7.454
150
100
50
0
−50
−100
pull
Entries 82
Mean 171.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

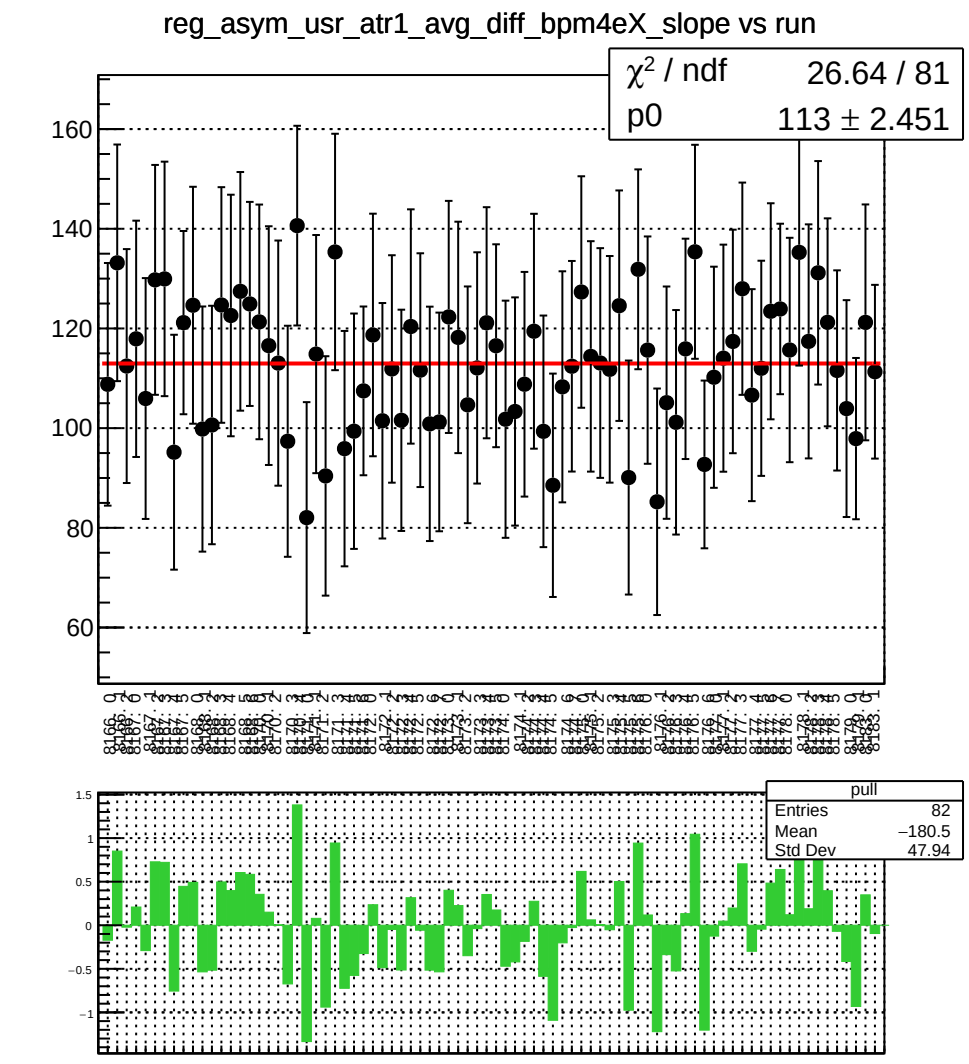

pull1D
Entries 82
Mean −0.002152
Std Dev 0.2647
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

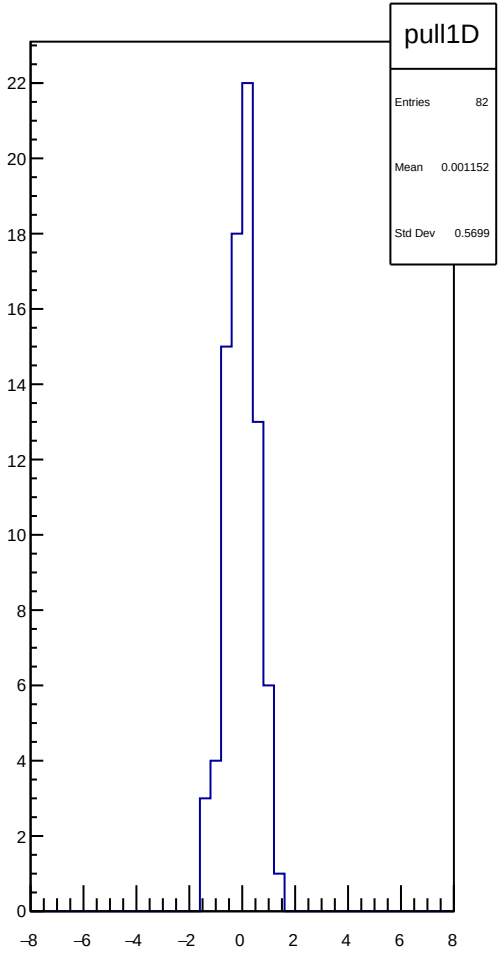

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.28 / 81
p0 117.3 ± 0.3476
pull
Entries 82
Mean −1488
Std Dev 0
pull1D
Entries 82
Mean 0.003756
Std Dev 0.4024

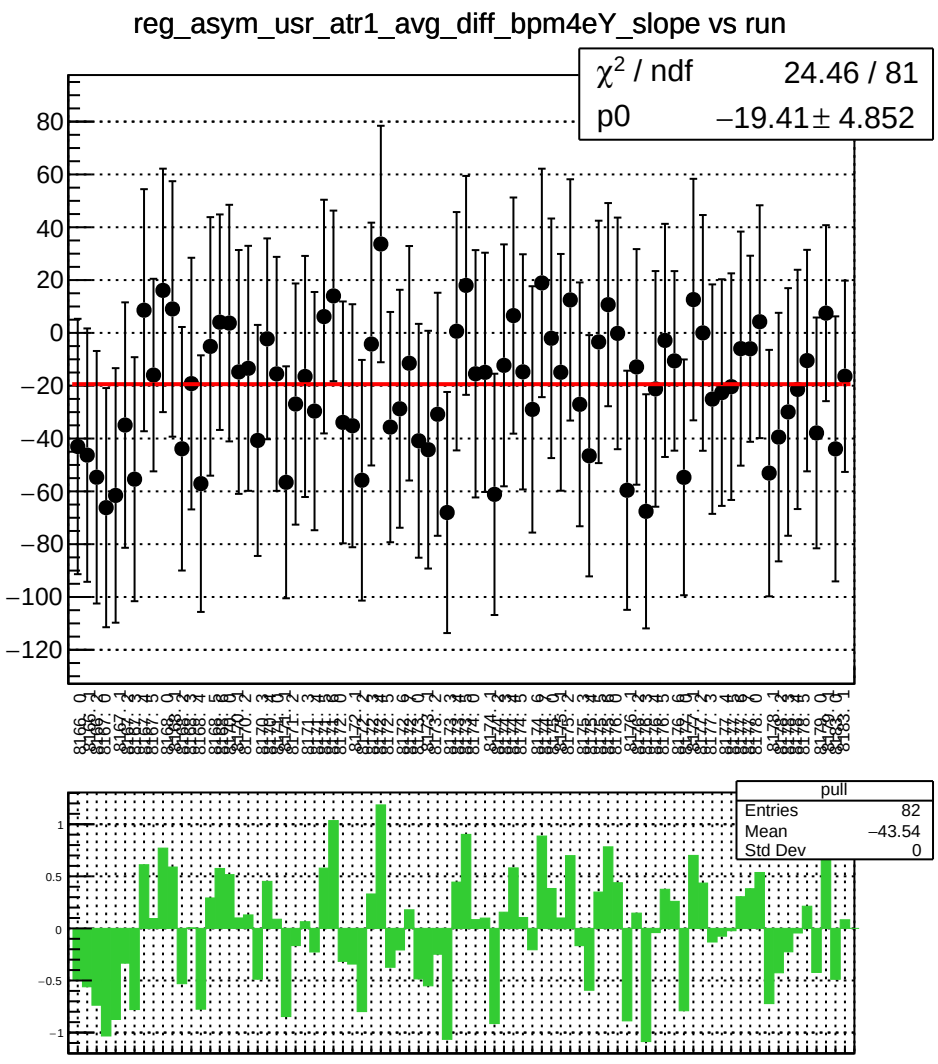

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 26.18 / 81
p0 −126.7 ± 2.446
pull
Entries 82
Mean −306.6
Std Dev 0
pull1D
Entries 82
Mean −0.001129
Std Dev 0.565

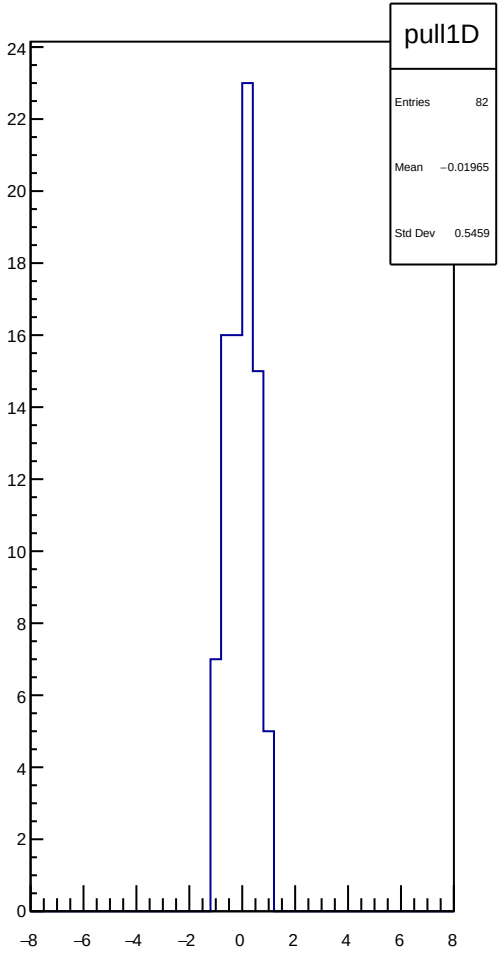

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.87 / 81
p0 33.73 ± 4.536
pull
Entries 82
Mean −56.04
Std Dev 0

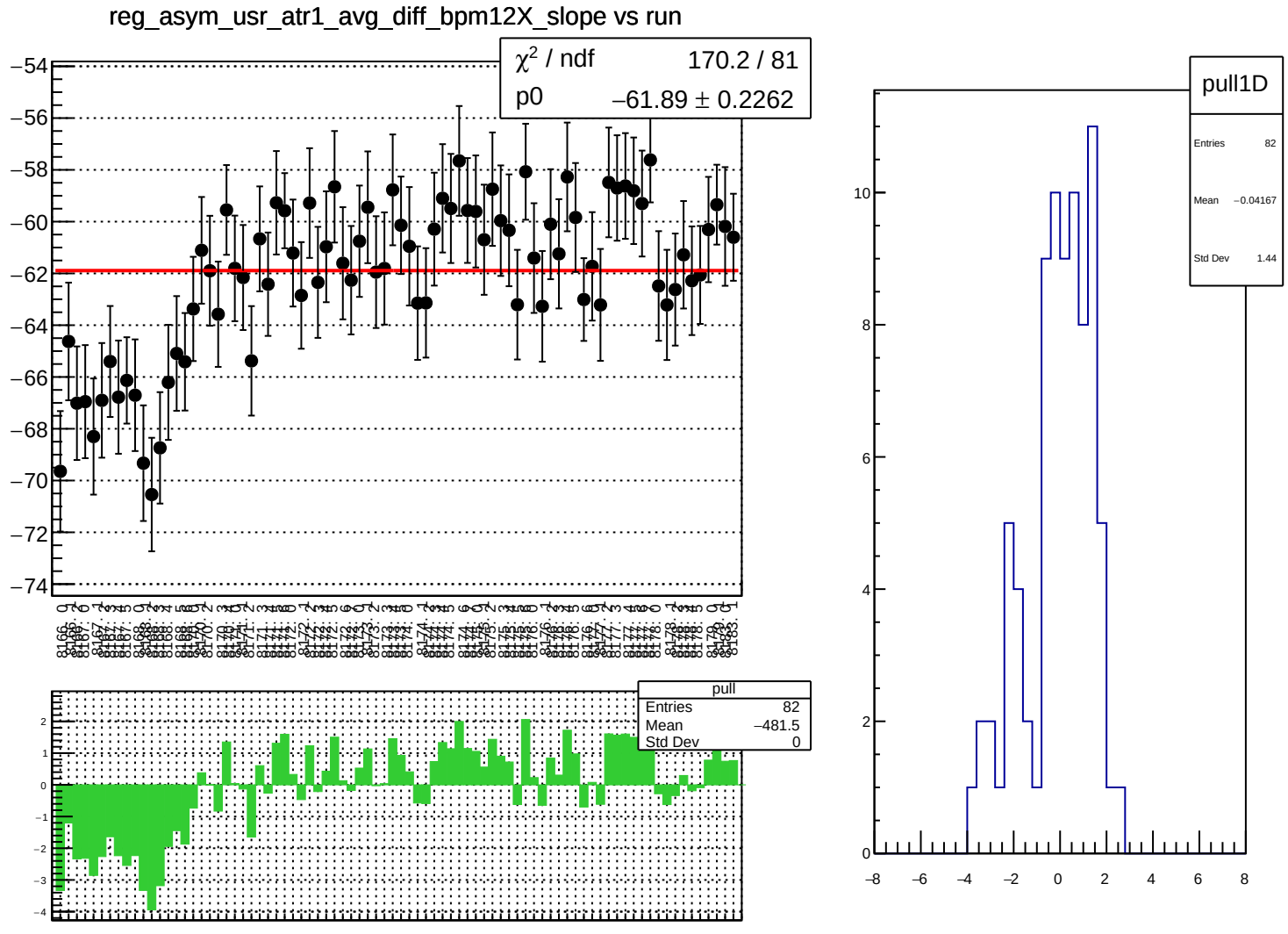

pull1D
Entries 82
Mean 0.0198
Std Dev 0.5392

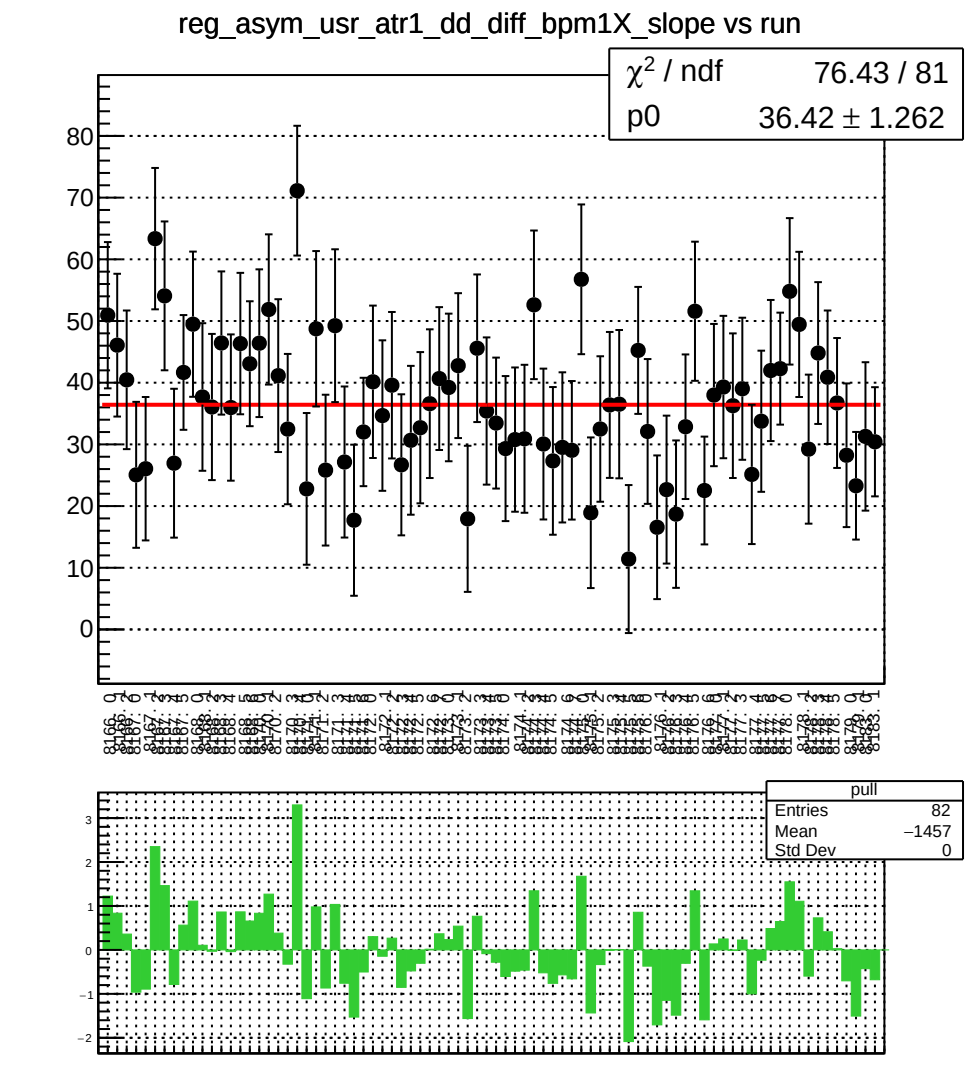

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.64 / 81
p0 113 ± 2.451
pull
Entries 82
Mean −180.5
Std Dev 47.94

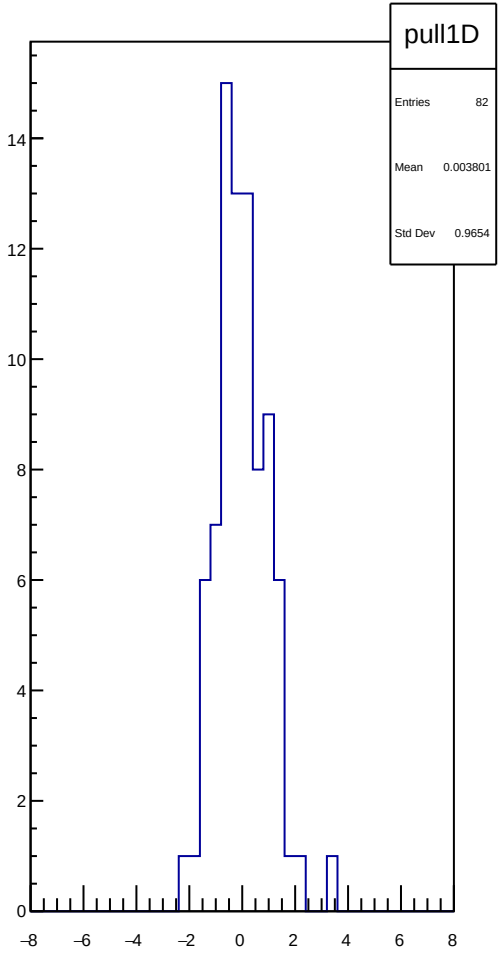

pull1D
Entries 82
Mean 0.001152
Std Dev 0.5699

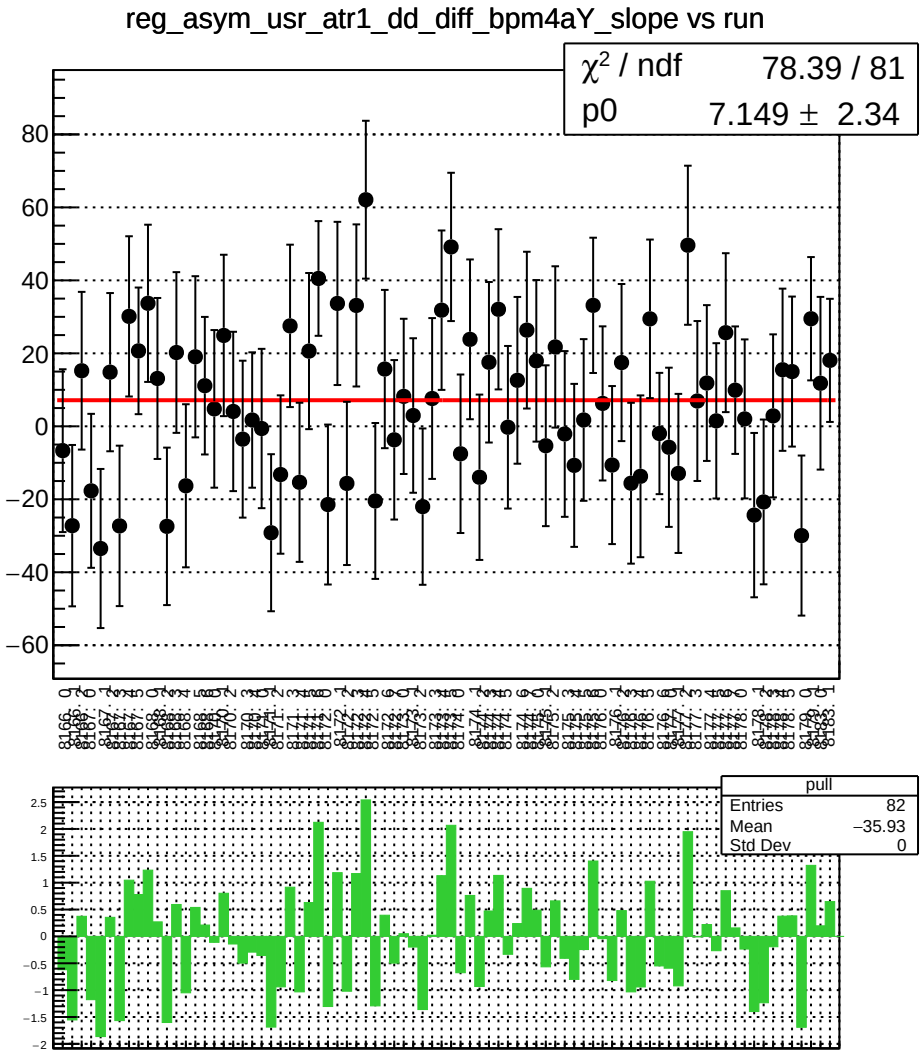

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.46 / 81
p0 −19.41 ± 4.852
pull
Entries 82
Mean −43.54
Std Dev 0

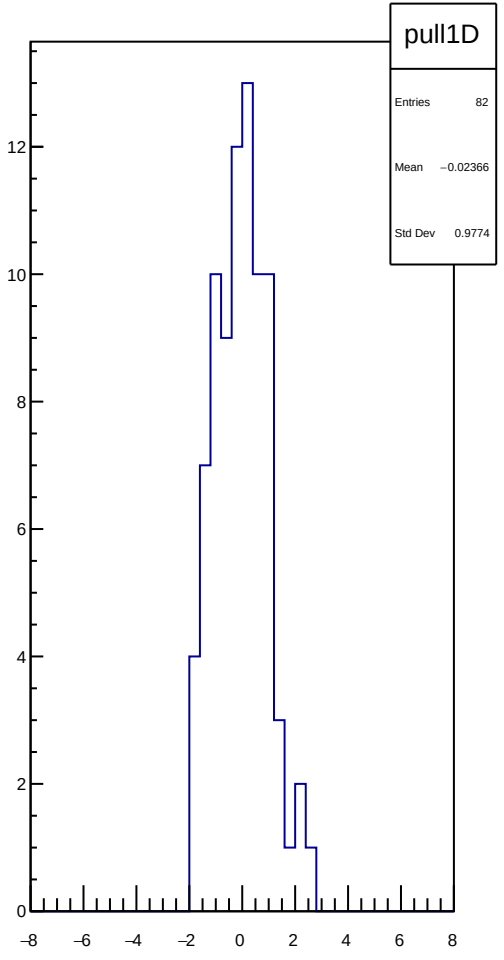

pull1D
Entries 82
Mean −0.01965
Std Dev 0.5459

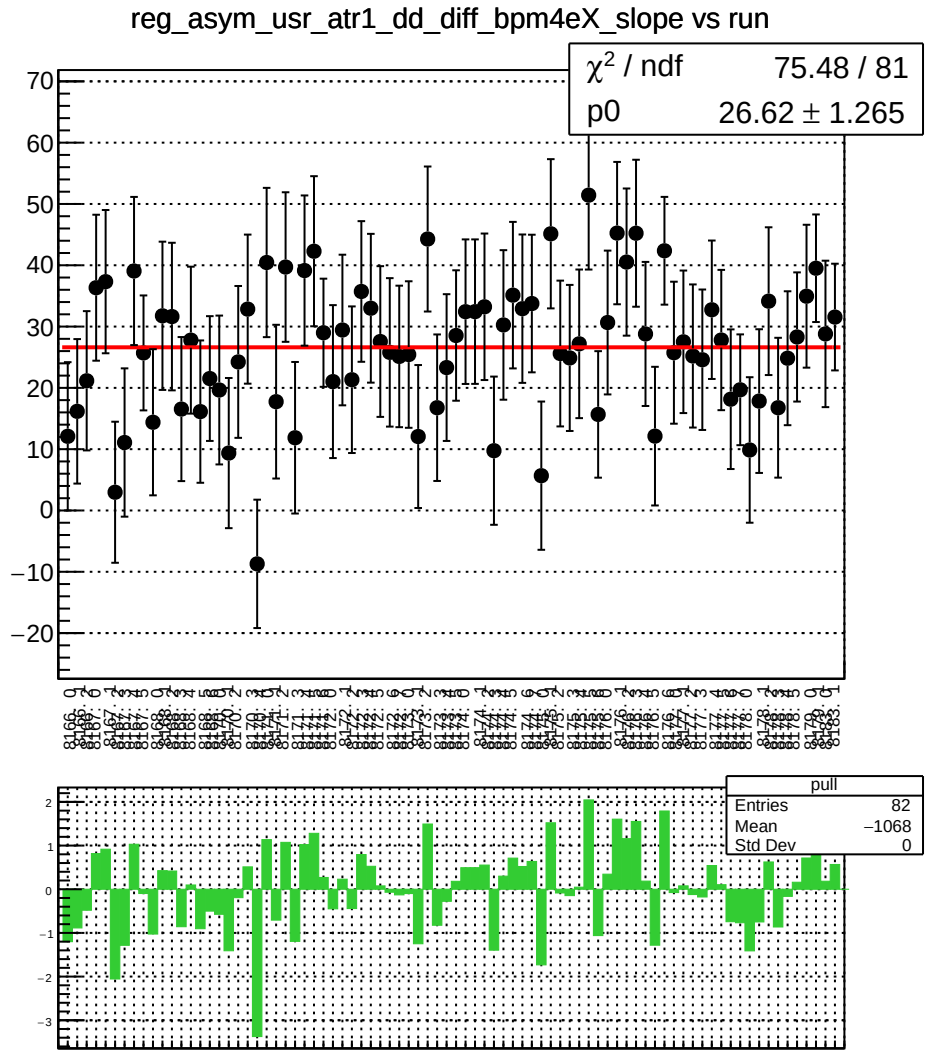

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 170.2 / 81
p0 −61.89 ± 0.2262
pull
Entries 82
Mean −481.5
Std Dev 0
pull1D
Entries 82
Mean −0.04167
Std Dev 1.44

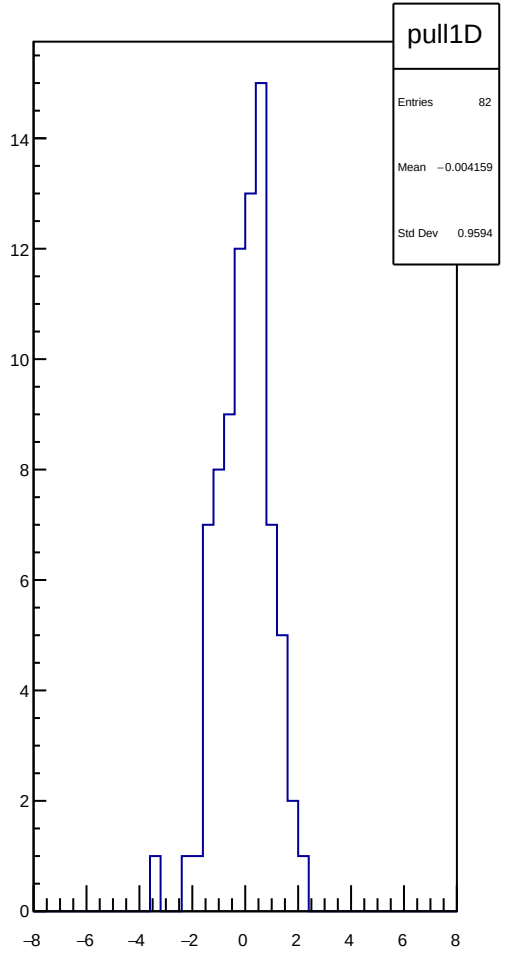

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 76.43 / 81
p0 36.42 ± 1.262
pull
Entries 82
Mean −1457
Std Dev 0

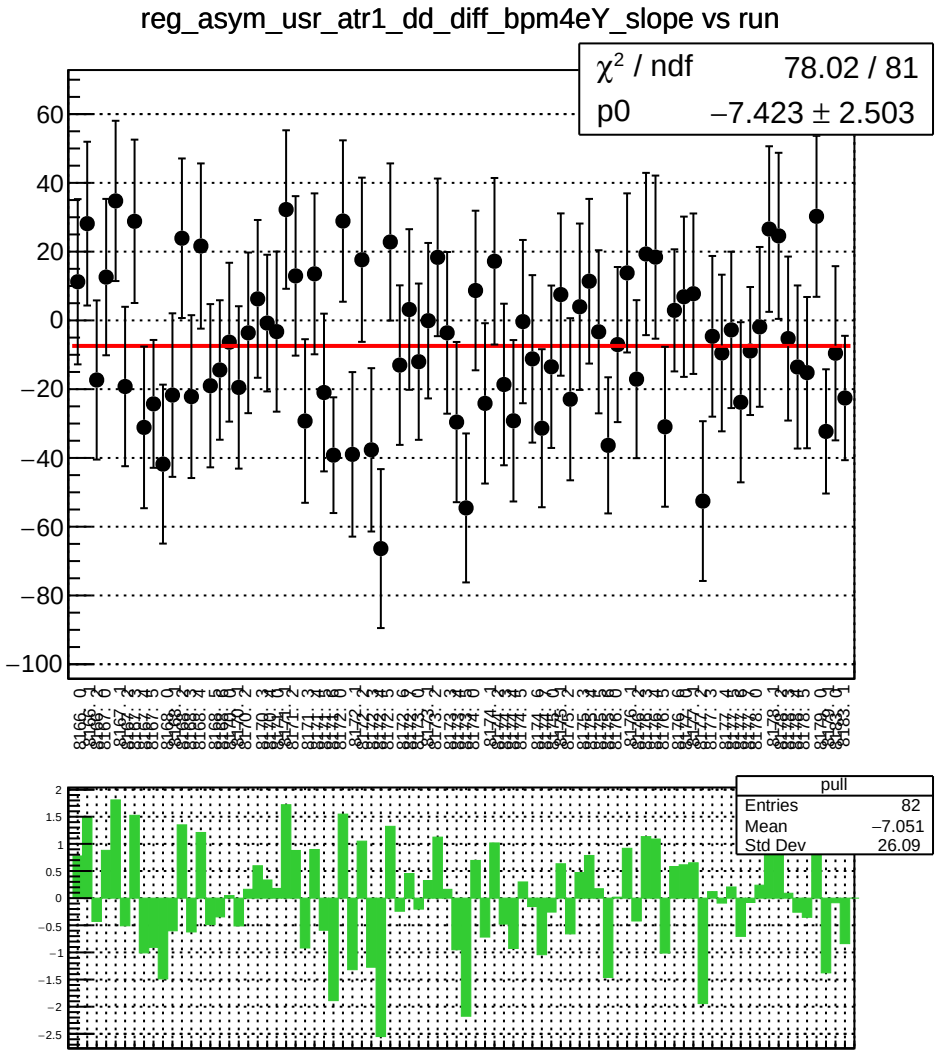

pull1D
Entries 82
Mean 0.003801
Std Dev 0.9654

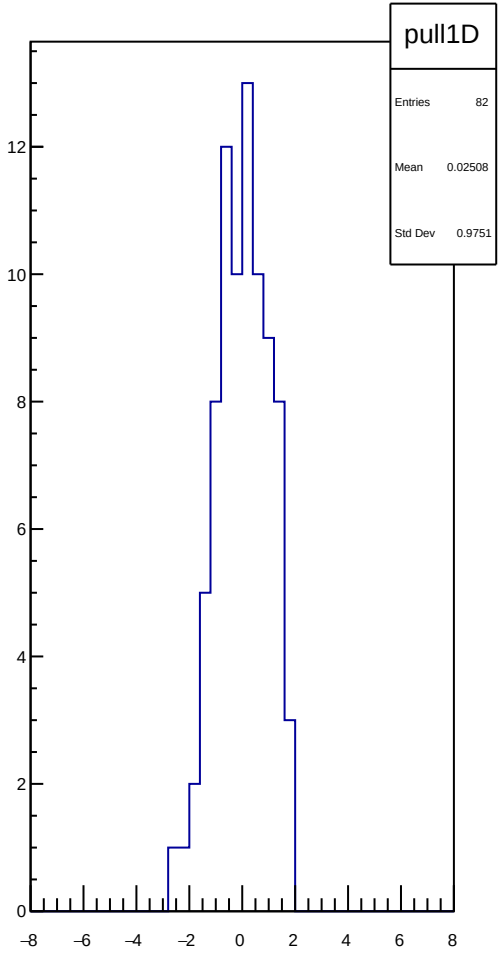

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.39 / 81
p0 7.149 ± 2.34
pull
Entries 82
Mean −35.93
Std Dev 0

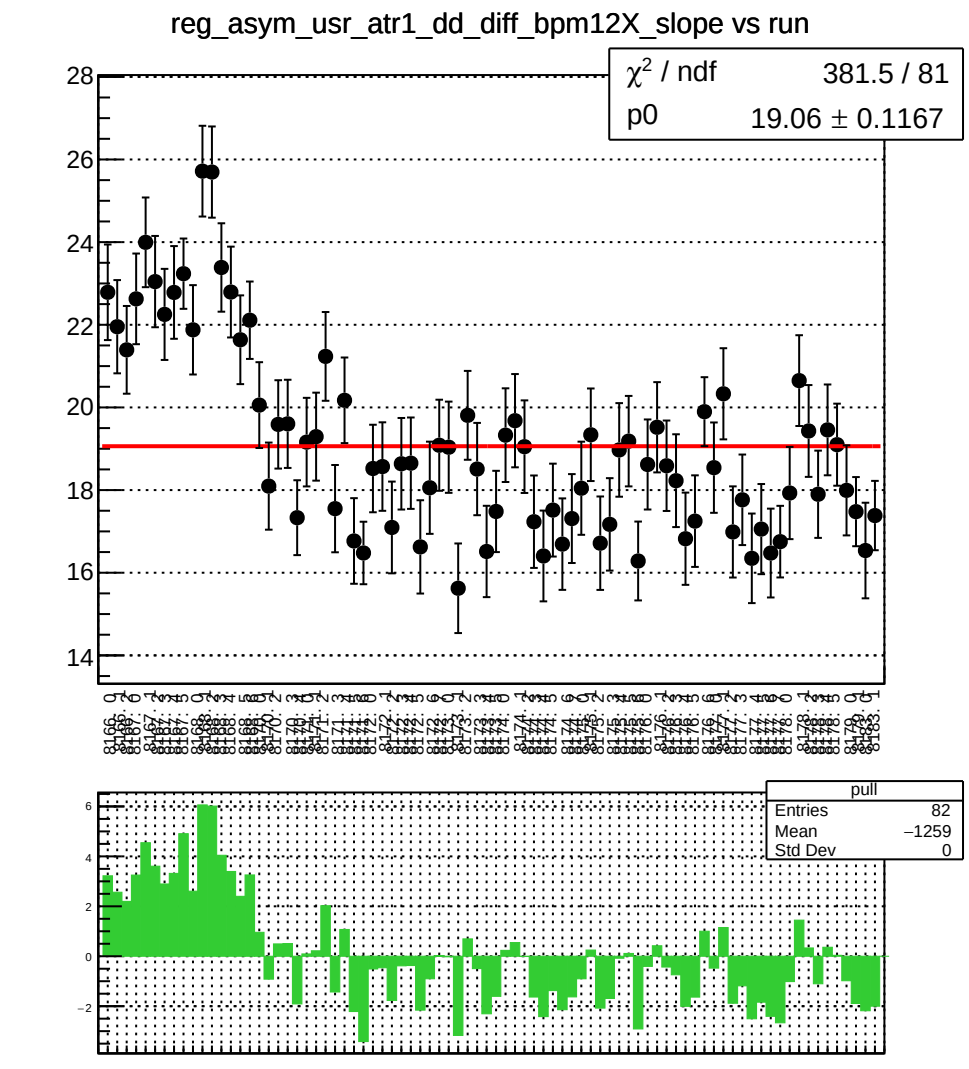

pull1D
Entries 82
Mean −0.02366
Std Dev 0.9774

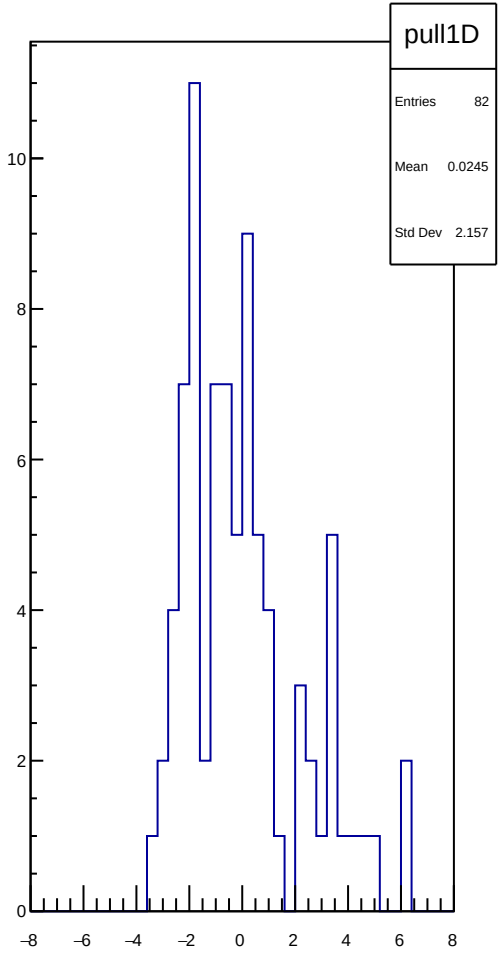

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.48 / 81
p0 26.62 ± 1.265
pull
Entries 82
Mean −1068
Std Dev 0

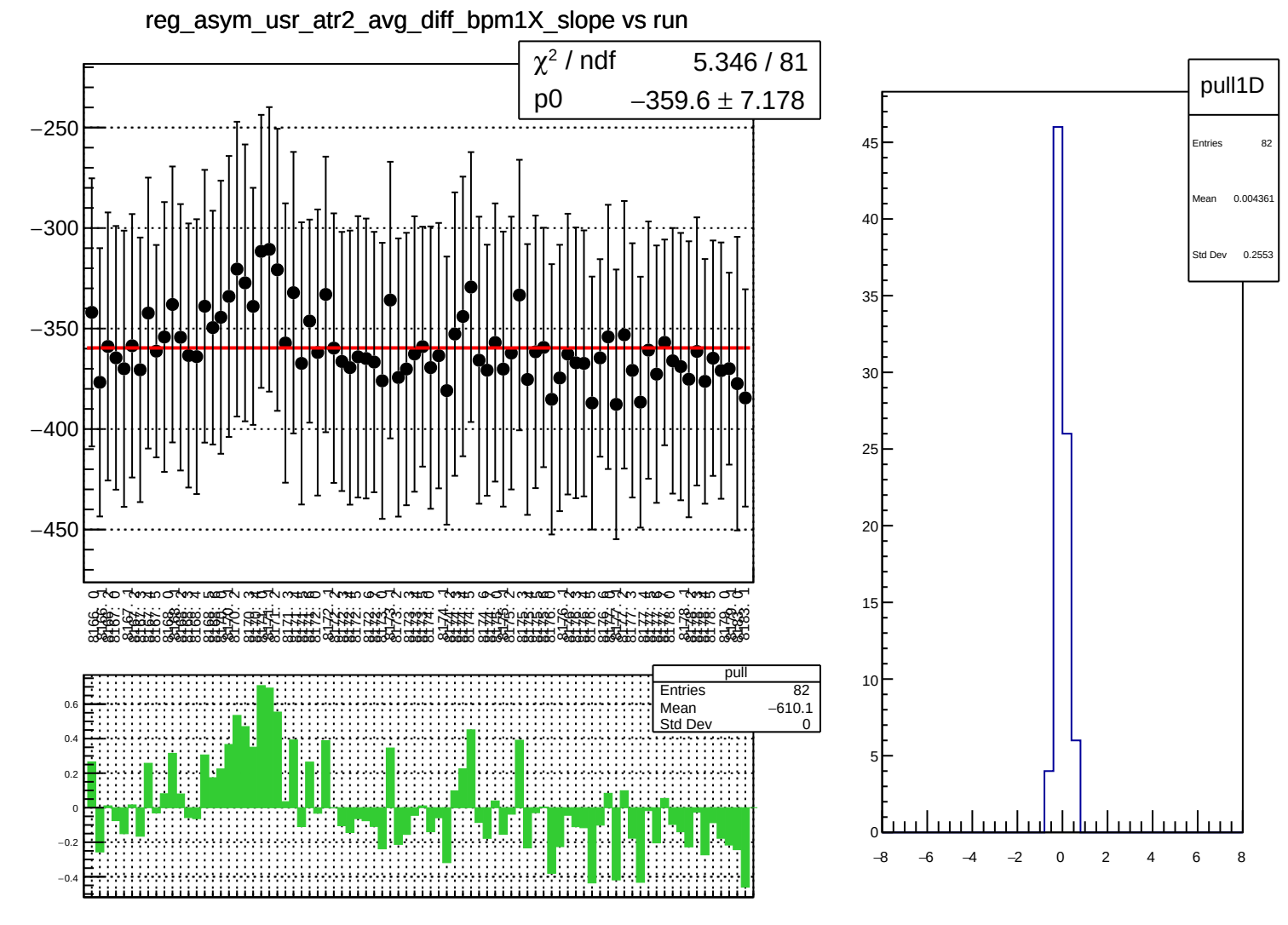

pull1D
Entries 82
Mean −0.004159
Std Dev 0.9594

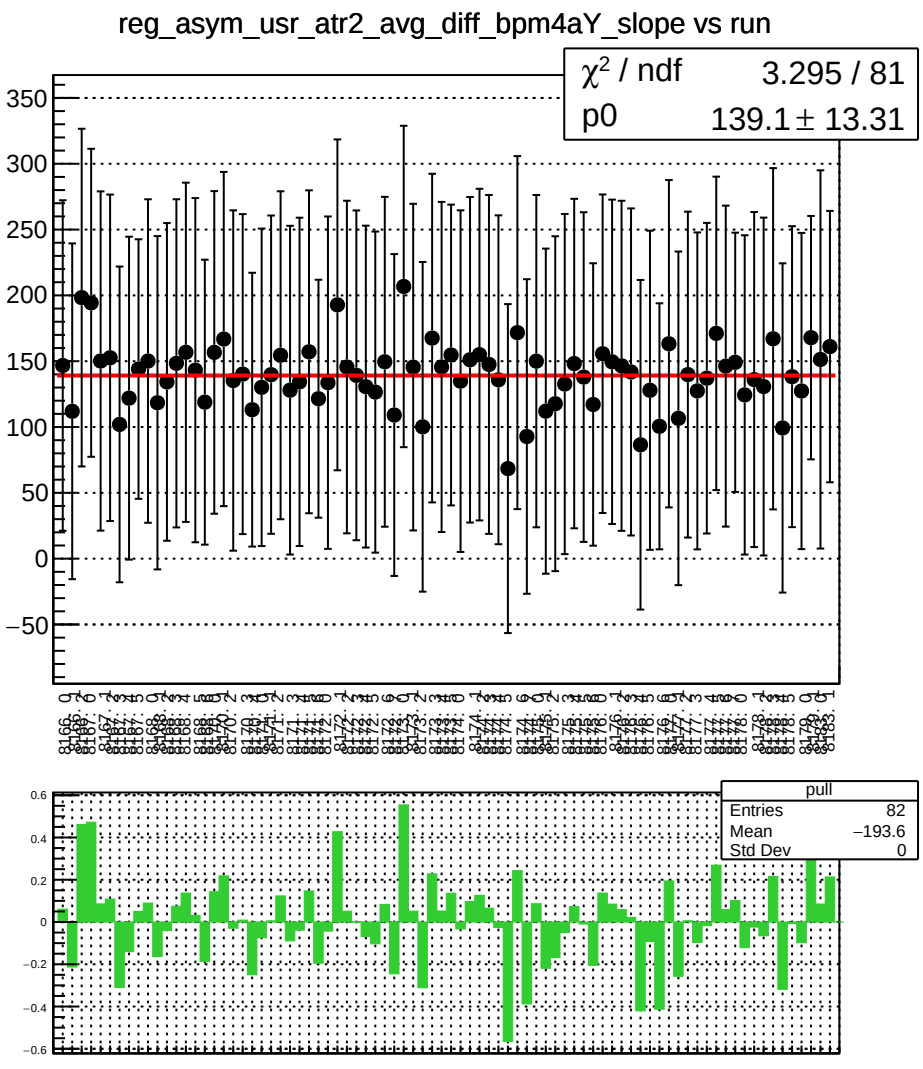

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.02 / 81
p0 −7.423 ± 2.503
pull
Entries 82
Mean −7.051
Std Dev 26.09

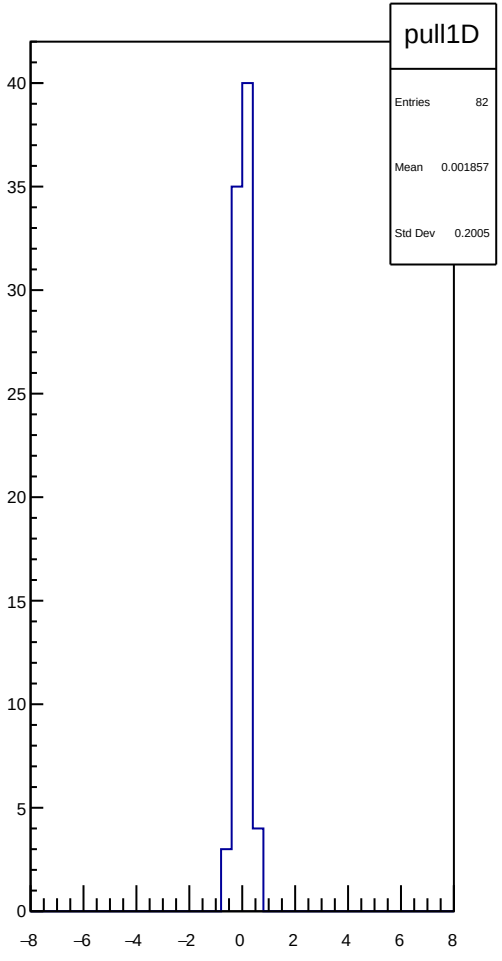

pull1D
Entries 82
Mean 0.02508
Std Dev 0.9751

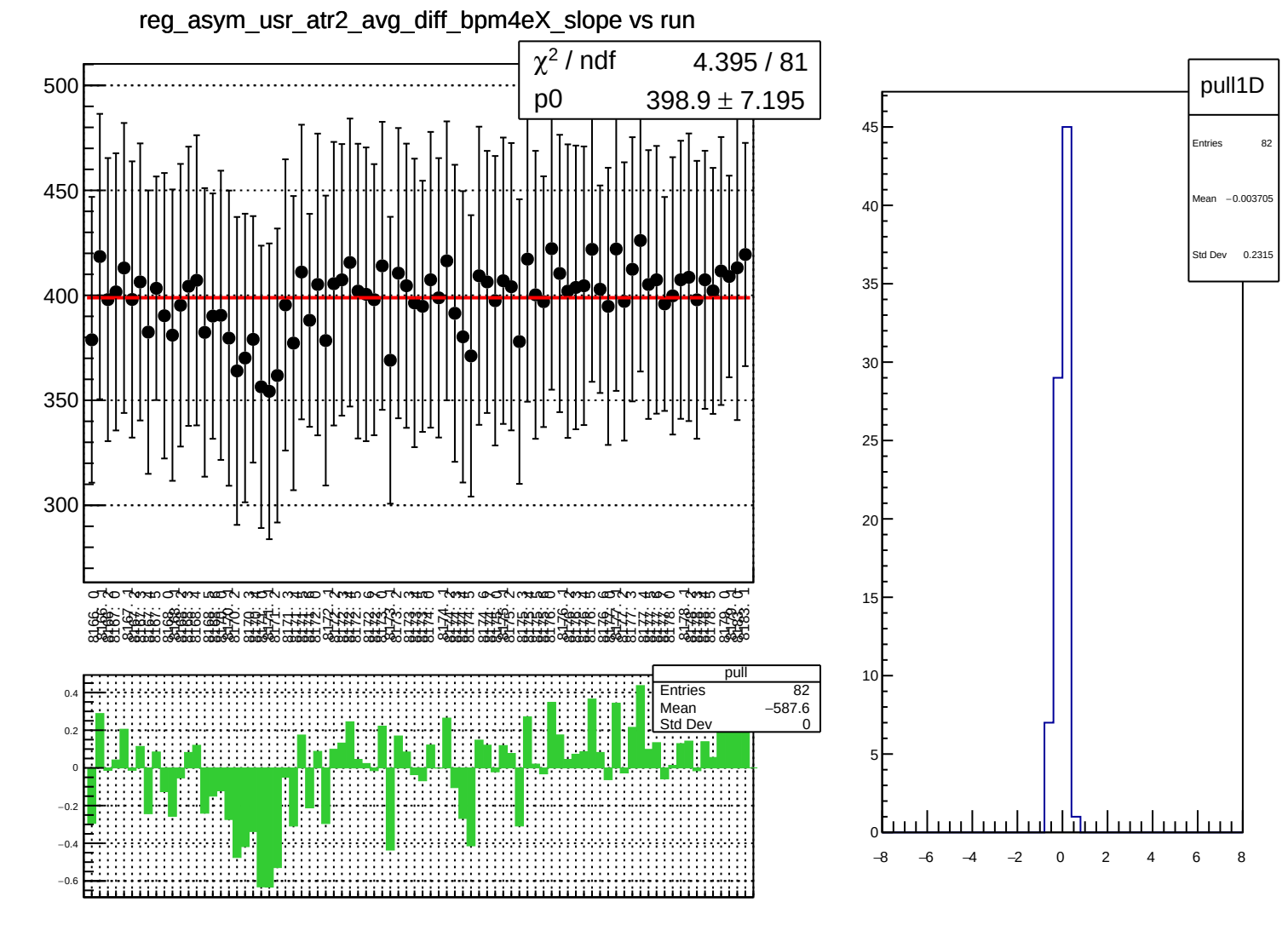

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 381.5 / 81
p0 19.06 ± 0.1167
pull
Entries 82
Mean −1259
Std Dev 0

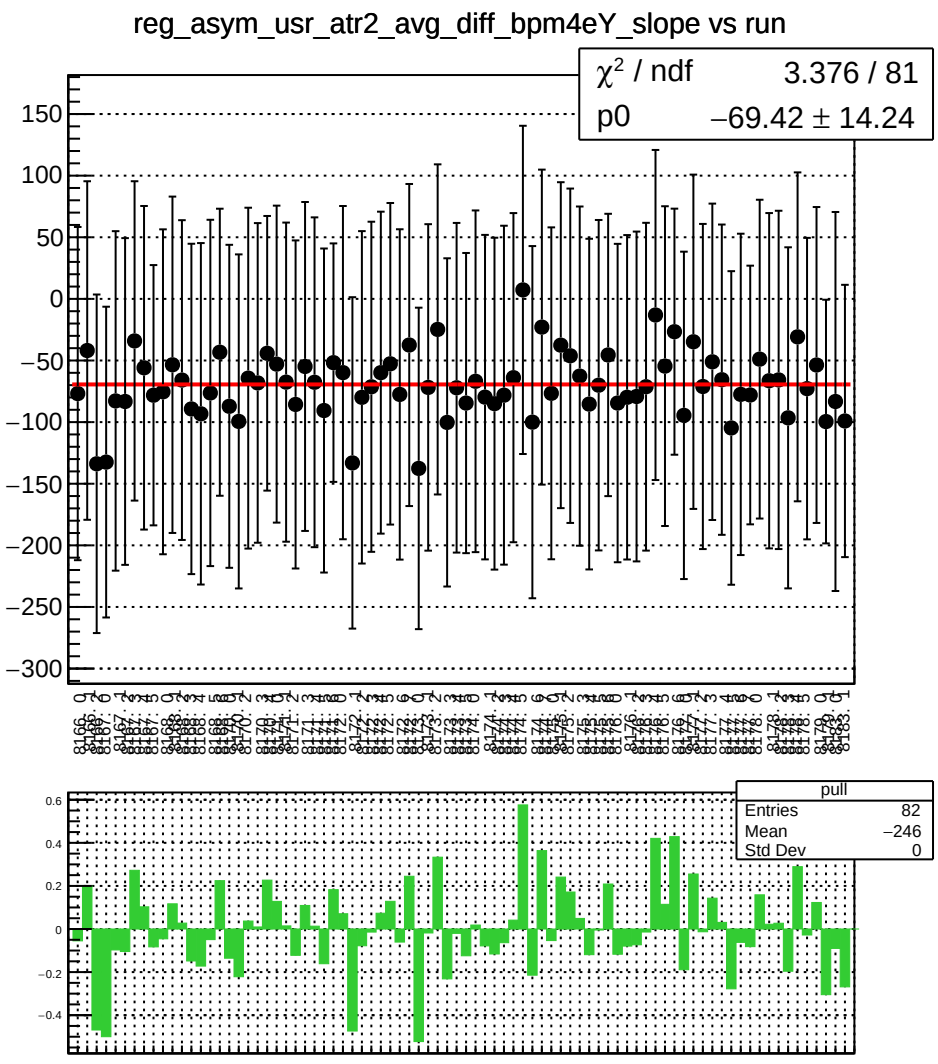

pull1D
Entries 82
Mean 0.0245
Std Dev 2.157

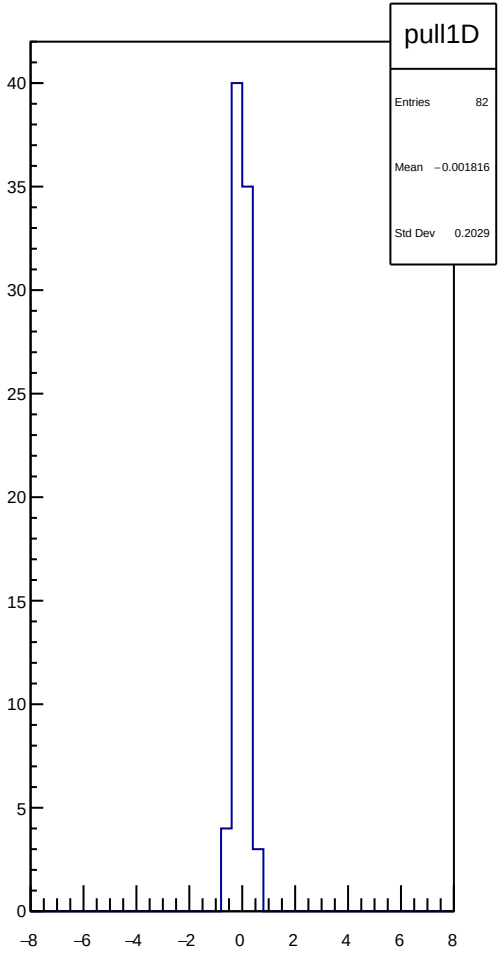

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.346 / 81
p0 −359.6 ± 7.178
−250
−300
−350
−400
−450
pull
Entries 82
Mean −610.1
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 82
Mean 0.004361
Std Dev 0.2553
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

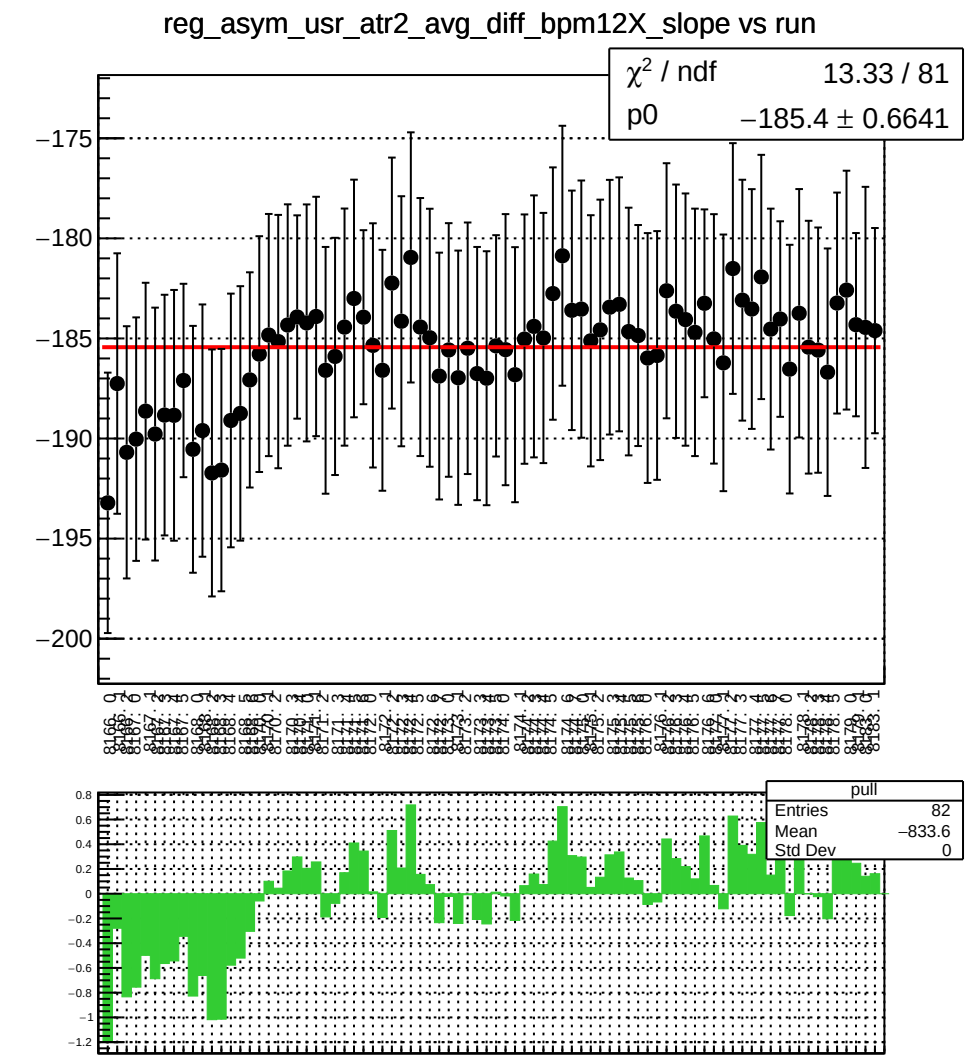

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.295 / 81
p0 139.1 ± 13.31
pull
Entries 82
Mean −193.6
Std Dev 0

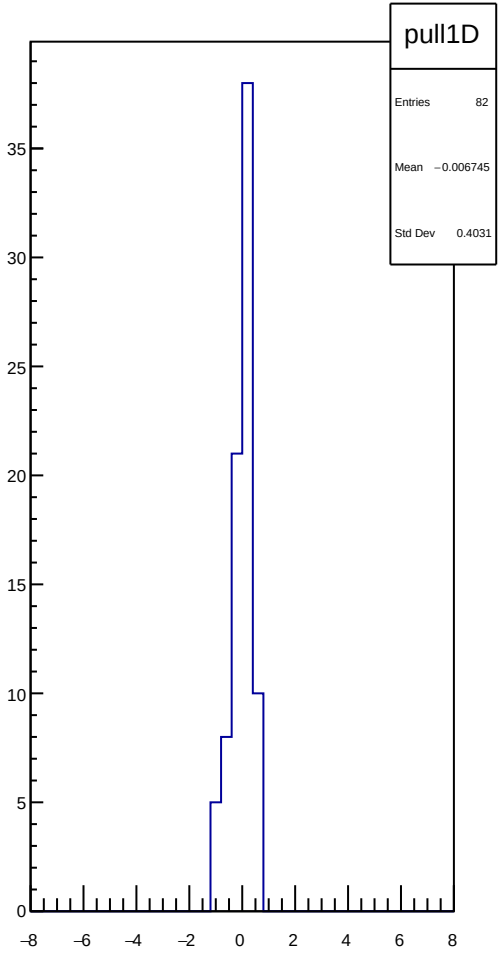

pull1D
Entries 82
Mean 0.001857
Std Dev 0.2005

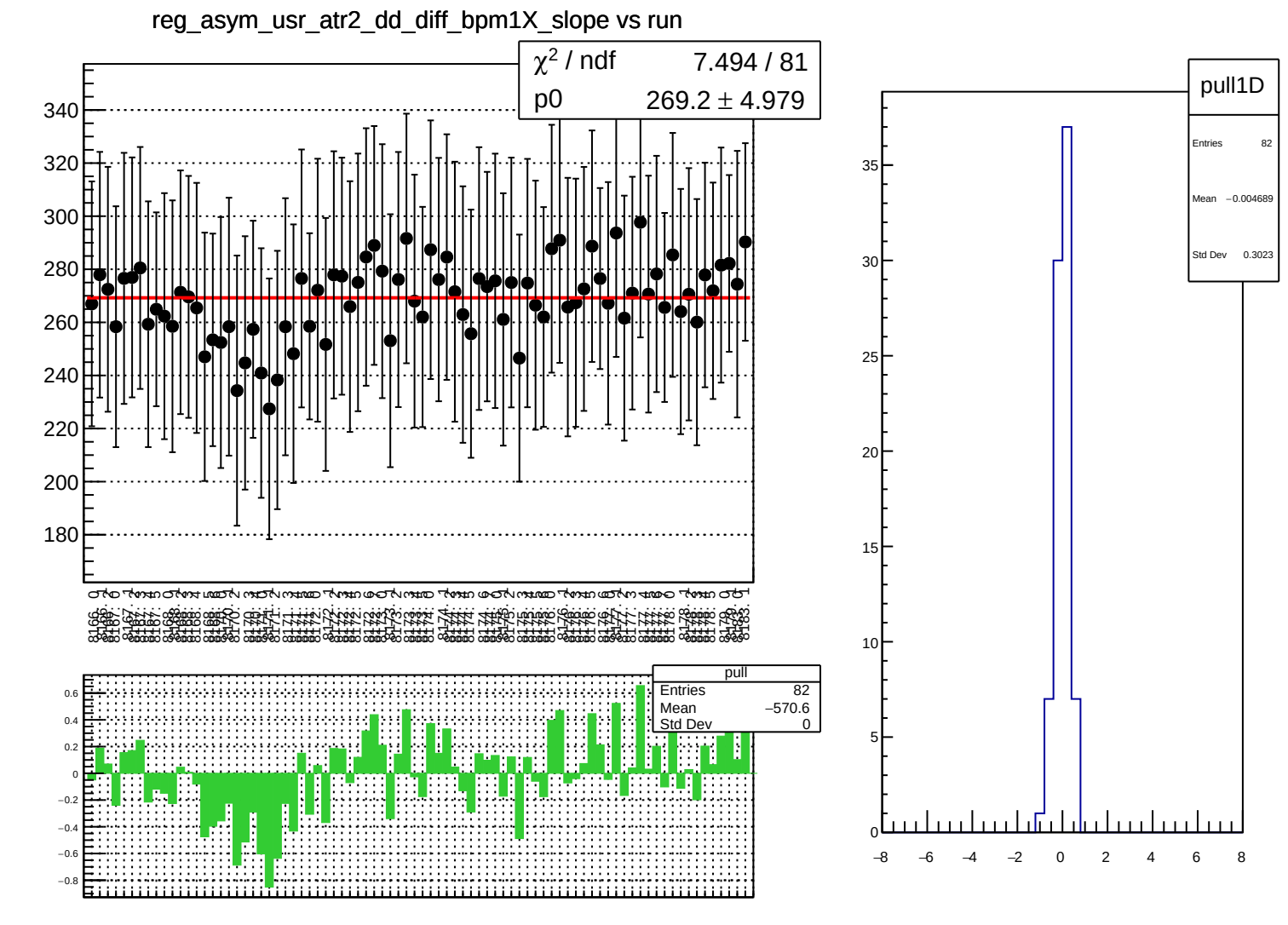

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.395 / 81
p0 398.9 ± 7.195
pull
Entries 82
Mean −587.6
Std Dev 0
pull1D
Entries 82
Mean −0.003705
Std Dev 0.2315

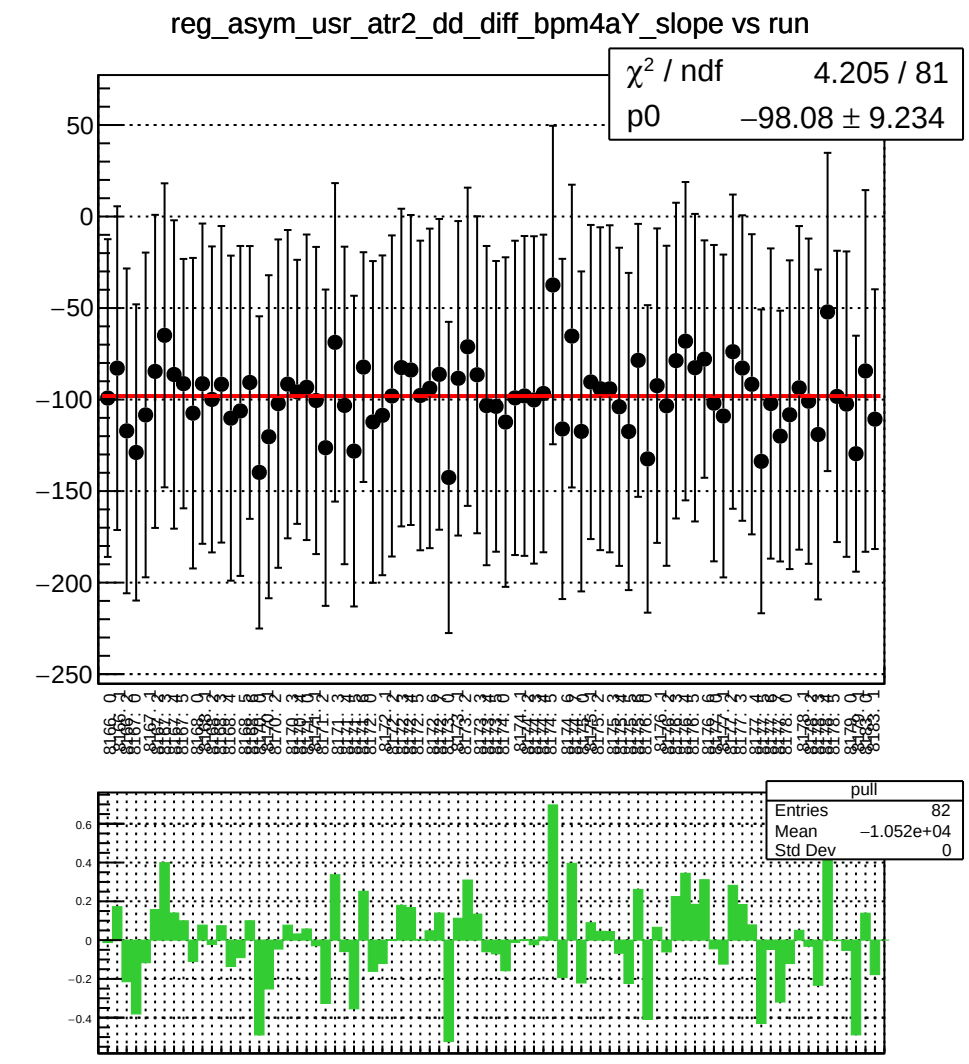

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.376 / 81
p0 −69.42 ± 14.24
pull
Entries 82
Mean −246
Std Dev 0

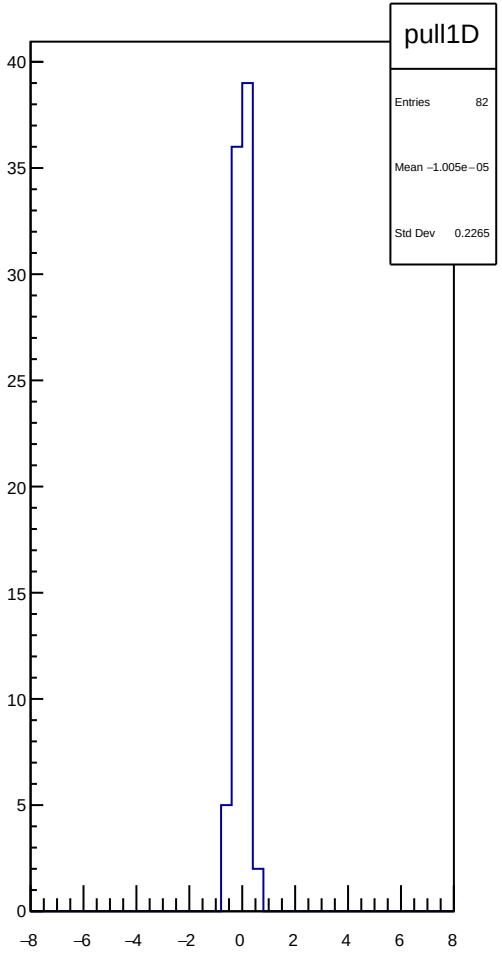

pull1D
Entries 82
Mean −0.001816
Std Dev 0.2029

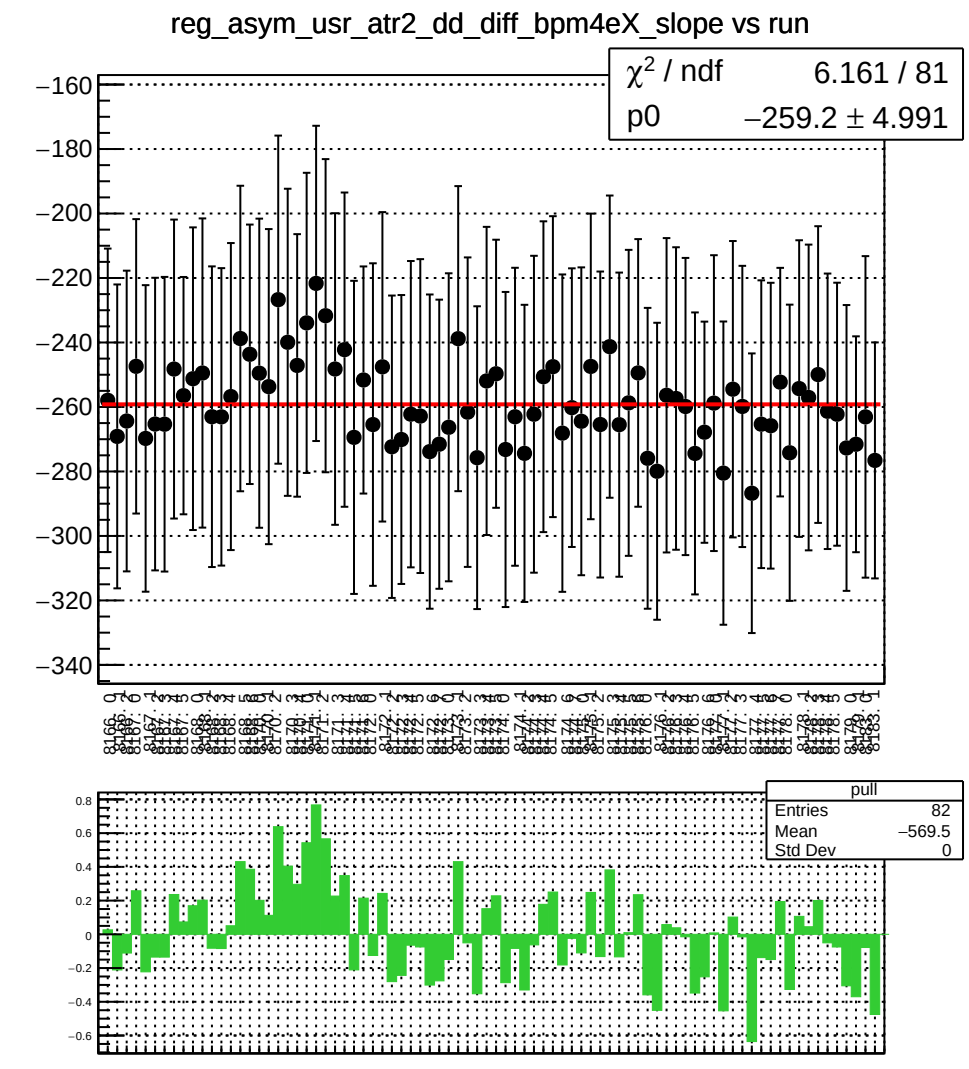

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.33 / 81
p0 −185.4 ± 0.6641
pull
Entries 82
Mean −833.6
Std Dev 0

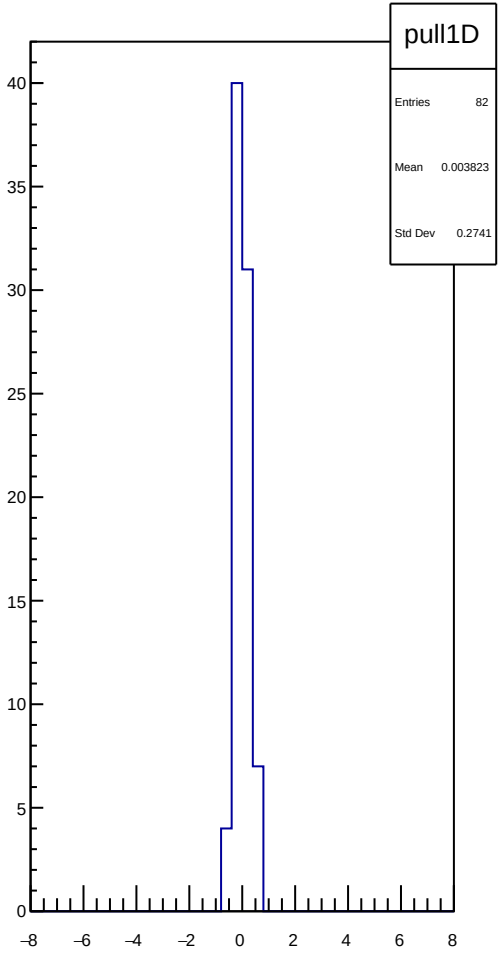

pull1D
Entries 82
Mean −0.006745
Std Dev 0.4031

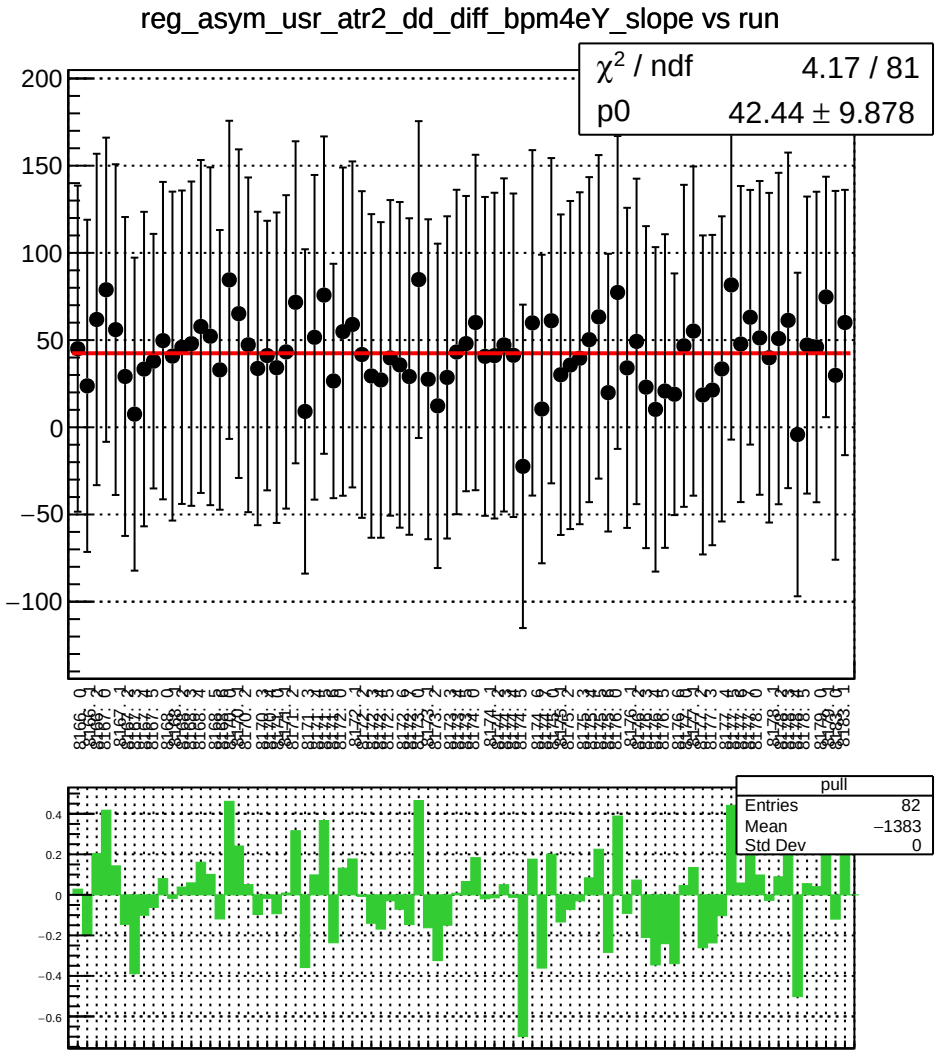

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.494 / 81
p0 269.2 ± 4.979
pull
Entries 82
Mean −570.6
Std Dev 0
pull1D
Entries 82
Mean −0.004689
Std Dev 0.3023

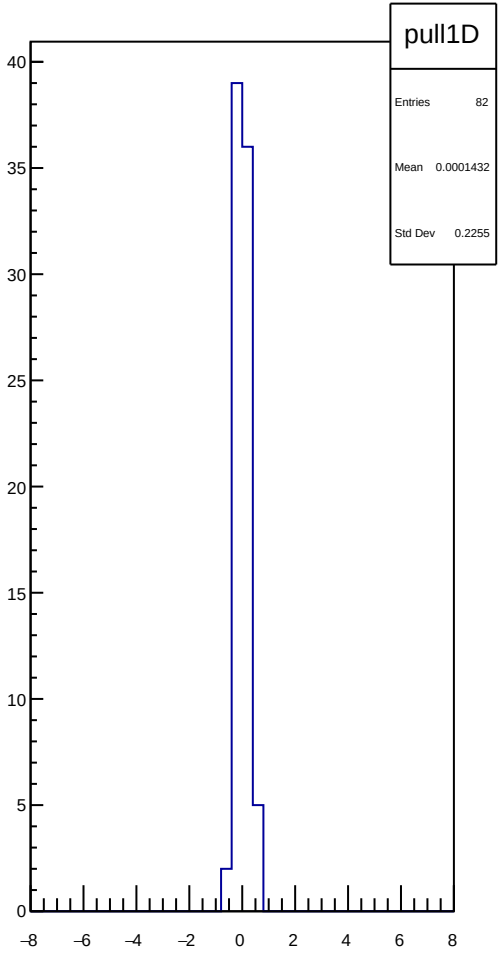

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.205 / 81
p0 −98.08 ± 9.234
pull
Entries 82
Mean −1.052e+04
Std Dev 0

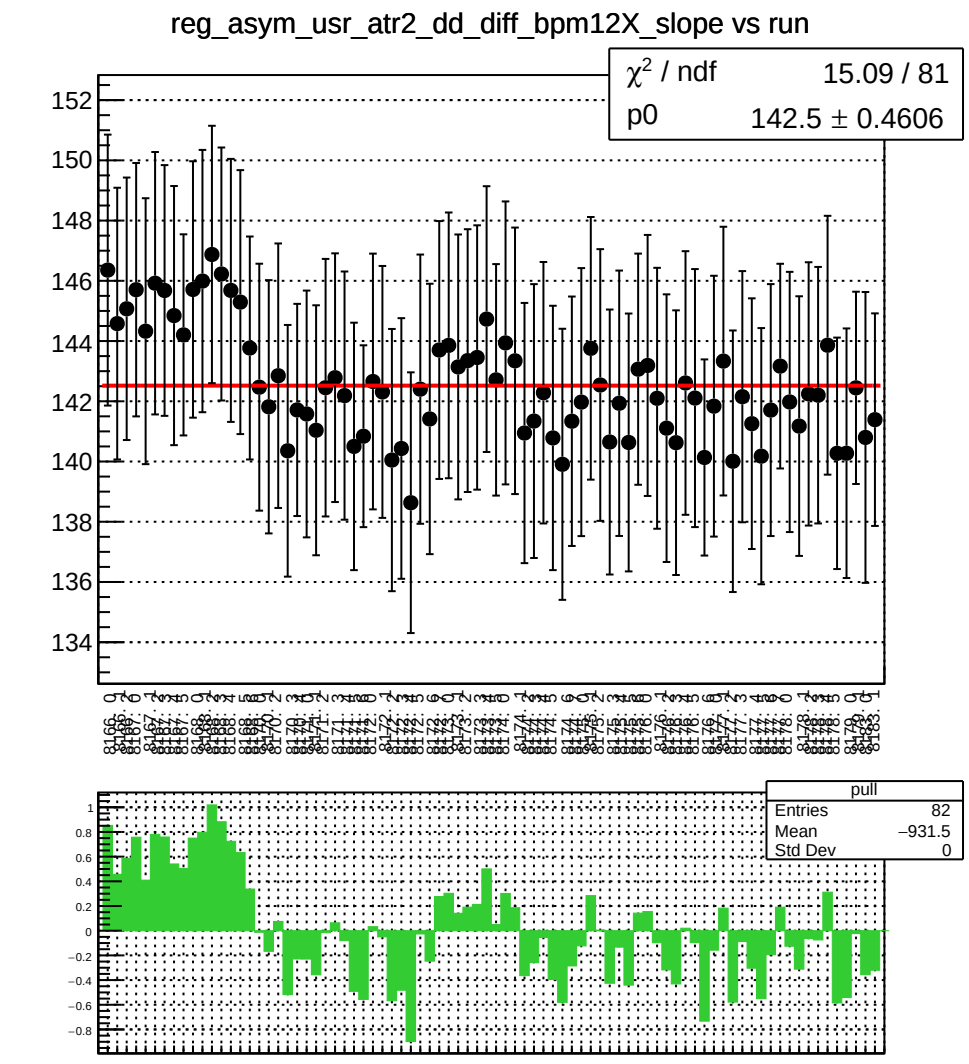

pull1D
Entries 82
Mean −1.005e−05
Std Dev 0.2265

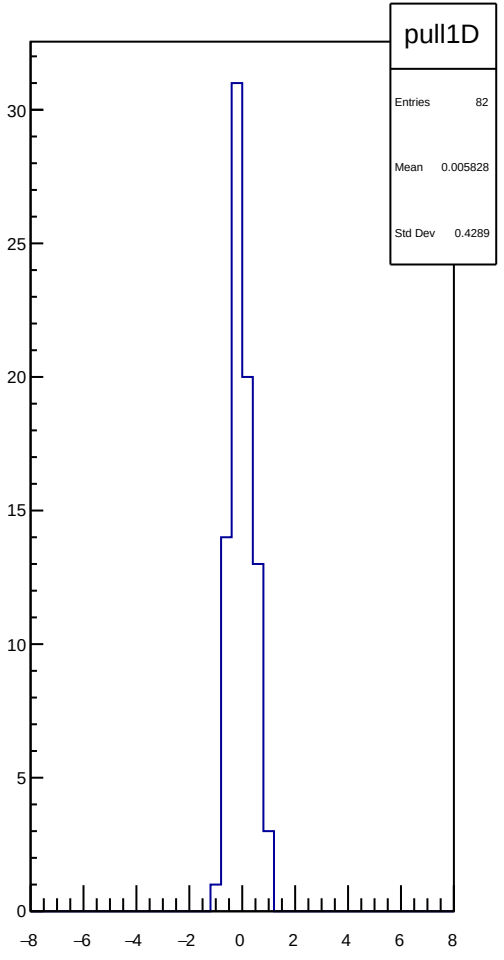

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.161 / 81
p0 −259.2 ± 4.991
pull
Entries 82
Mean −569.5
Std Dev 0

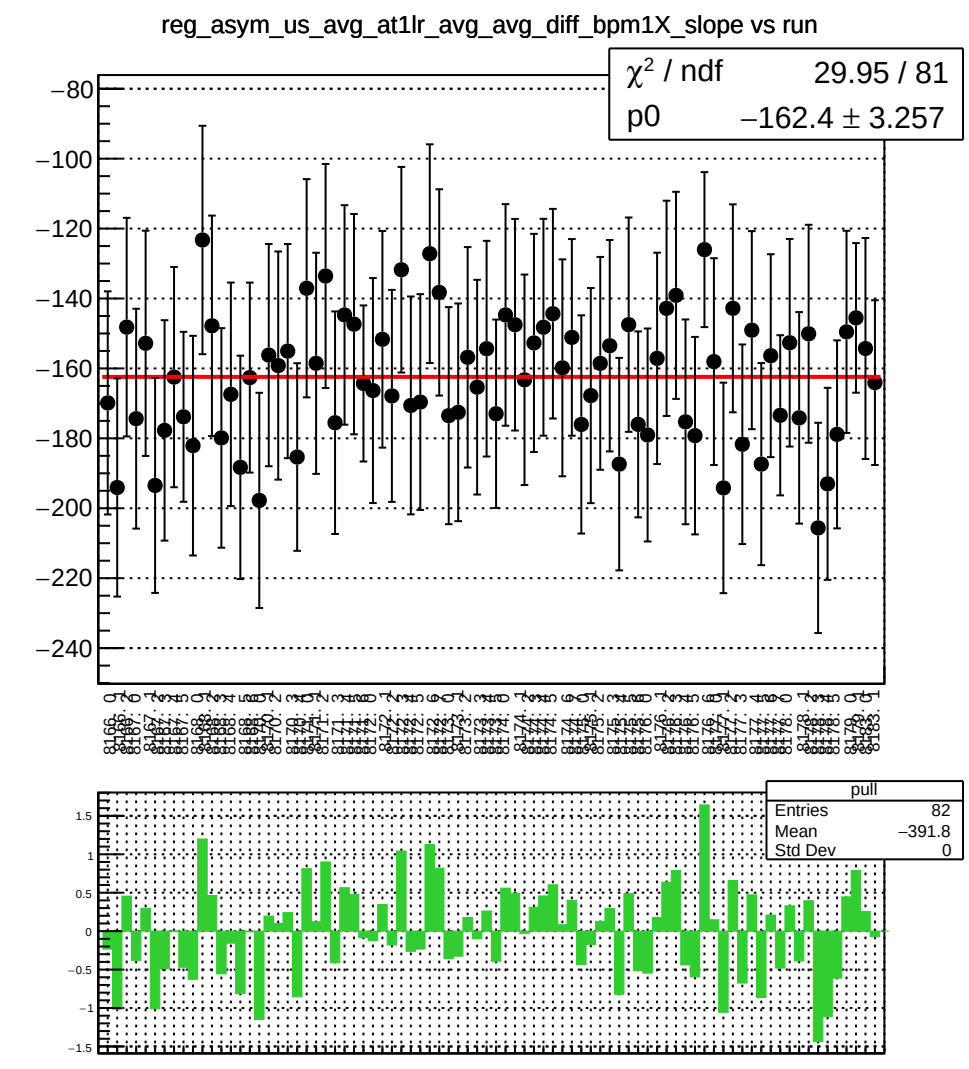

pull1D
Entries 82
Mean 0.003823
Std Dev 0.2741

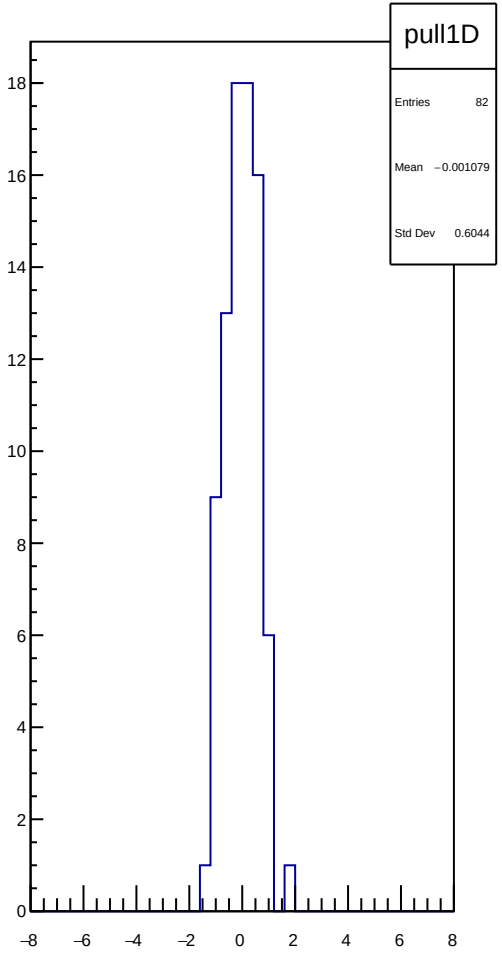

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.17 / 81
p0 42.44 ± 9.878
pull
Entries 82
Mean −1383
Std Dev 0

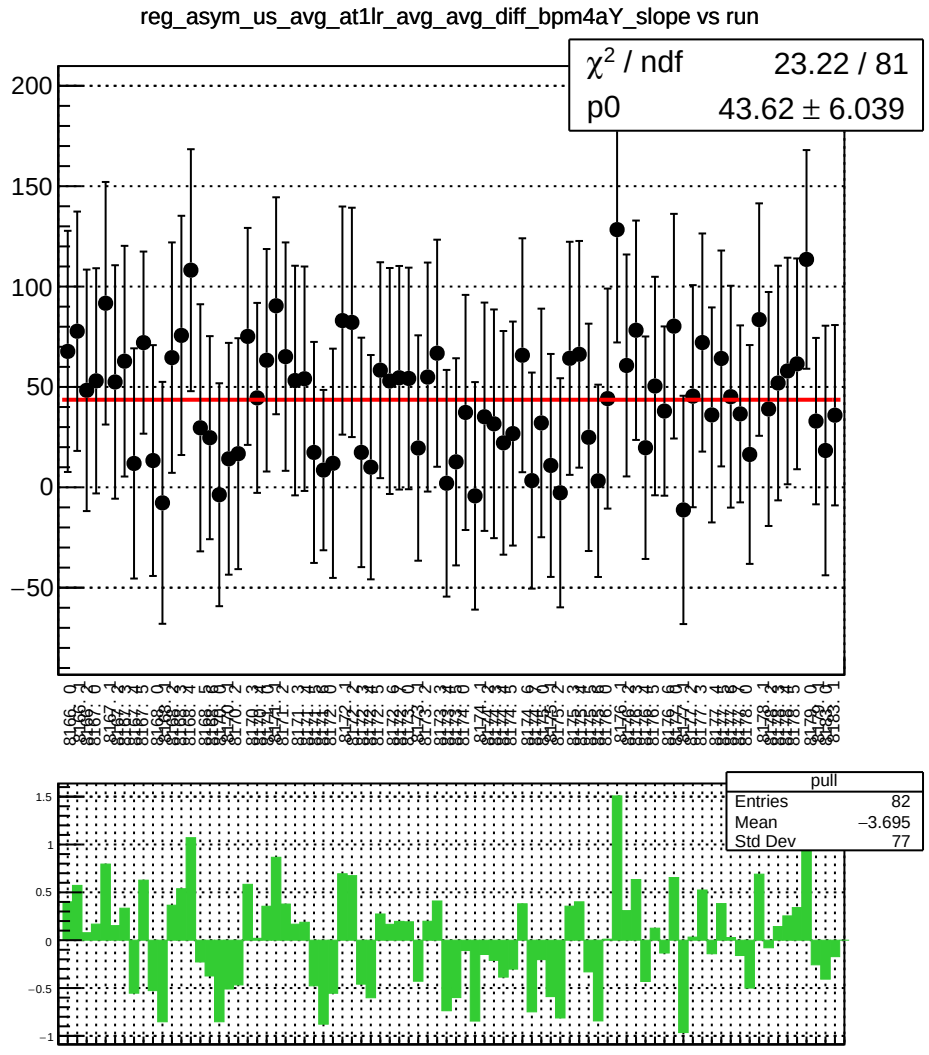

pull1D
Entries 82
Mean 0.0001432
Std Dev 0.2255

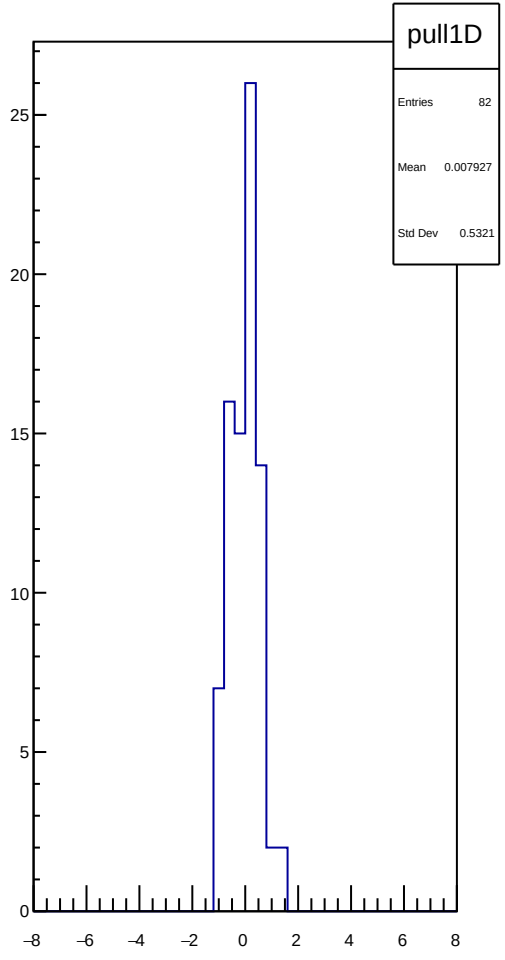

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 15.09 / 81
p0 142.5 ± 0.4606
pull
Entries 82
Mean −931.5
Std Dev 0

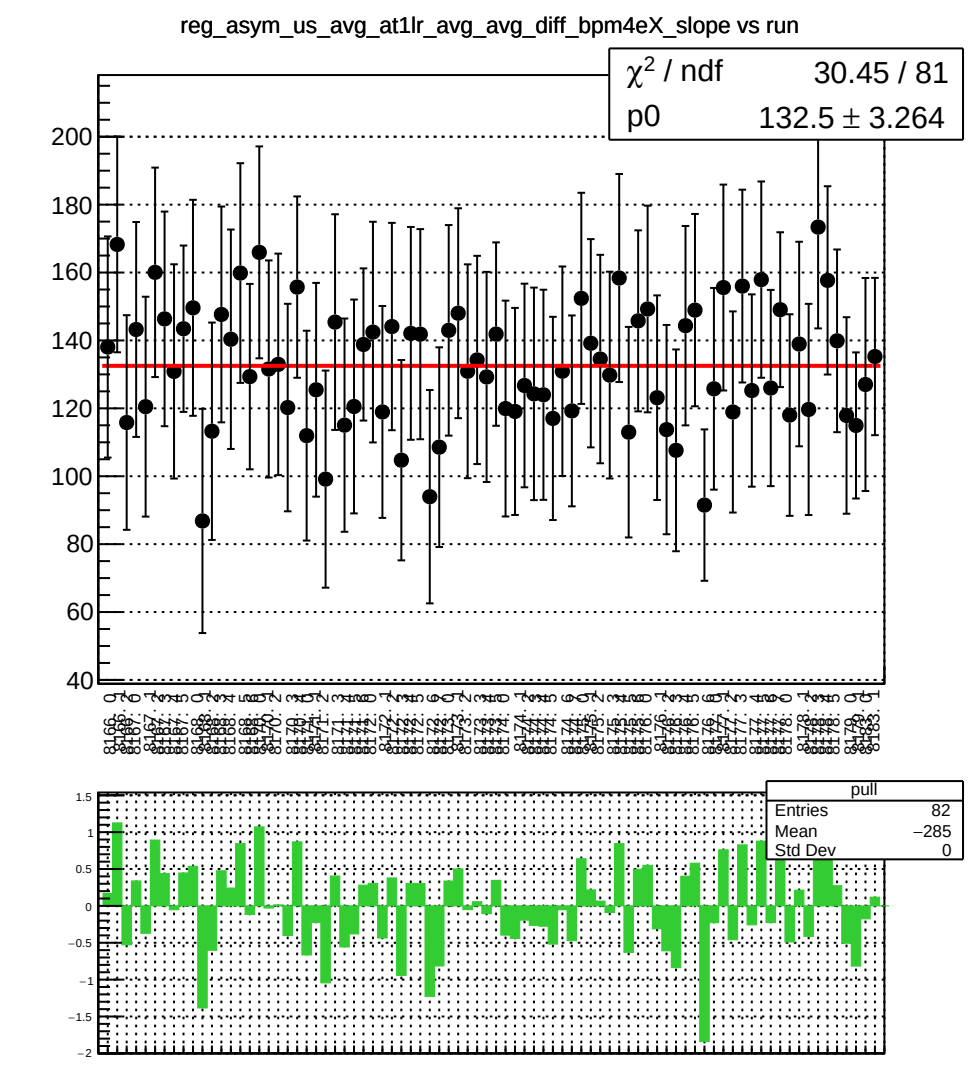

pull1D
Entries 82
Mean 0.005828
Std Dev 0.4289

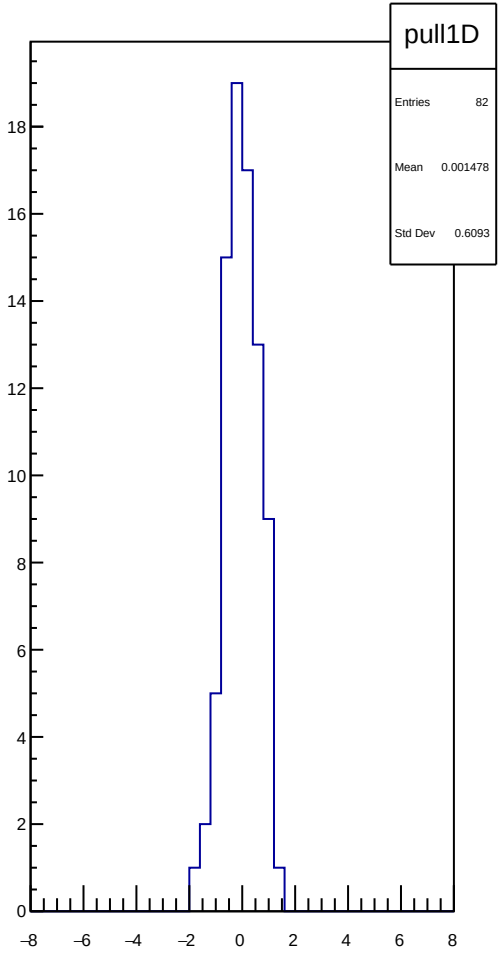

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 29.95 / 81
p0 −162.4 ± 3.257
pull
Entries 82
Mean −391.8
Std Dev 0

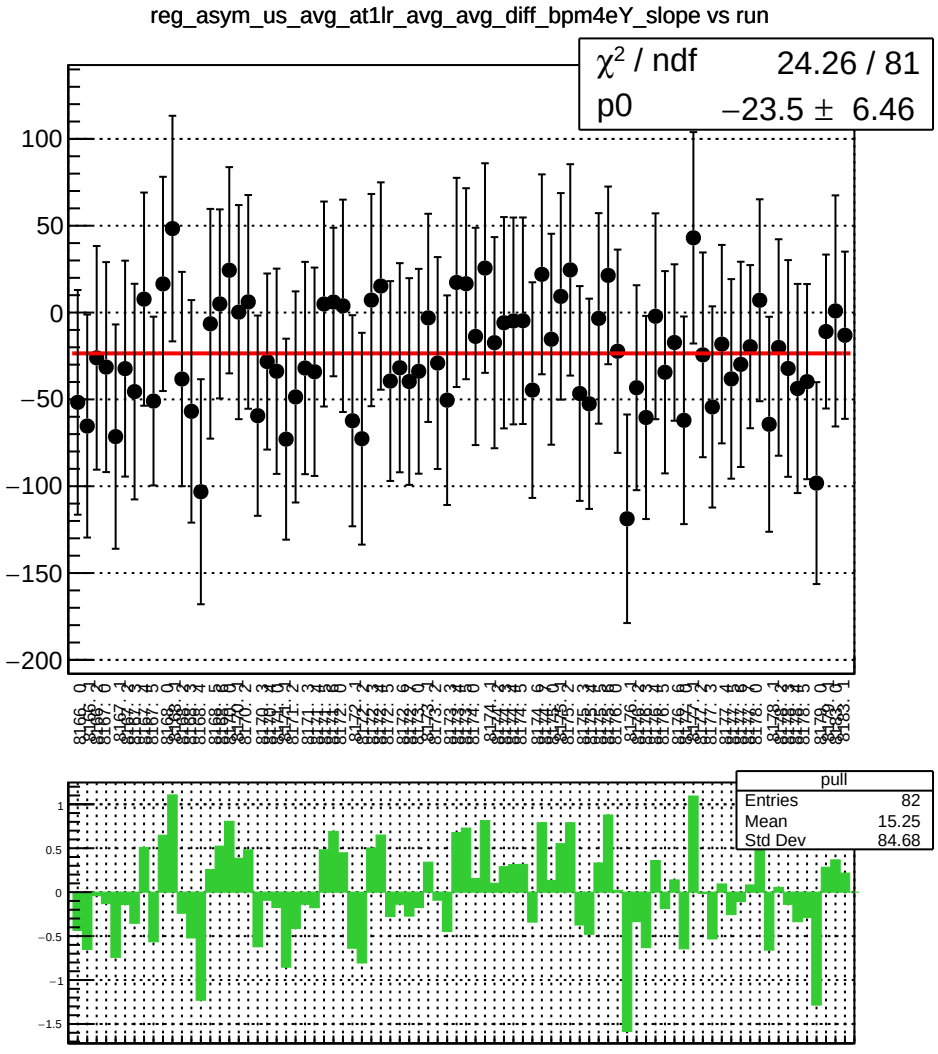

pull1D
Entries 82
Mean −0.001079
Std Dev 0.6044

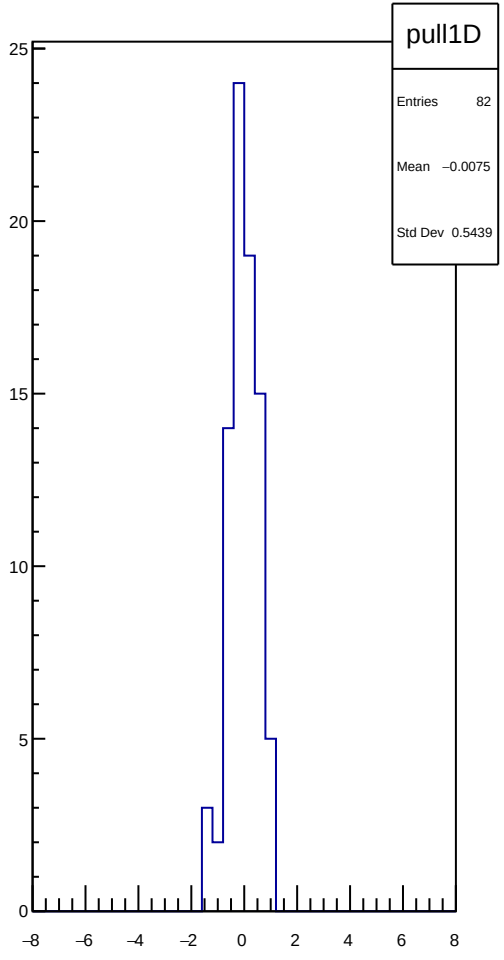

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.22 / 81
p0 43.62 ± 6.039
pull
Entries 82
Mean −3.695
Std Dev 77

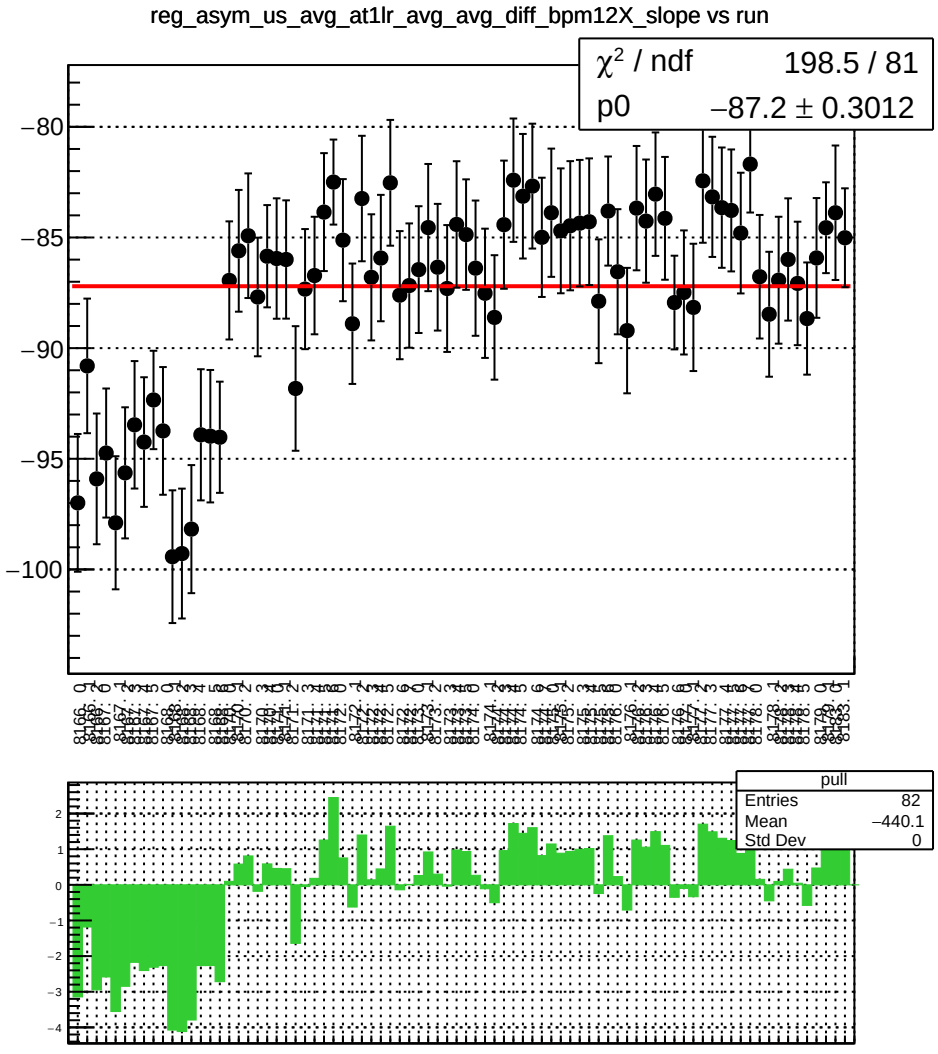

pull1D
Entries 82
Mean 0.007927
Std Dev 0.5321

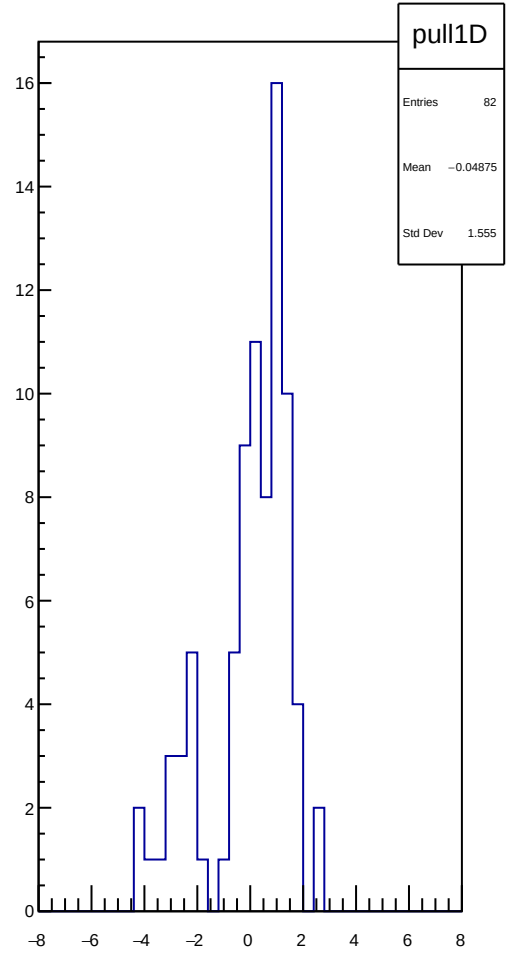

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.45 / 81
p0 132.5 ± 3.264
pull
Entries 82
Mean −285
Std Dev 0

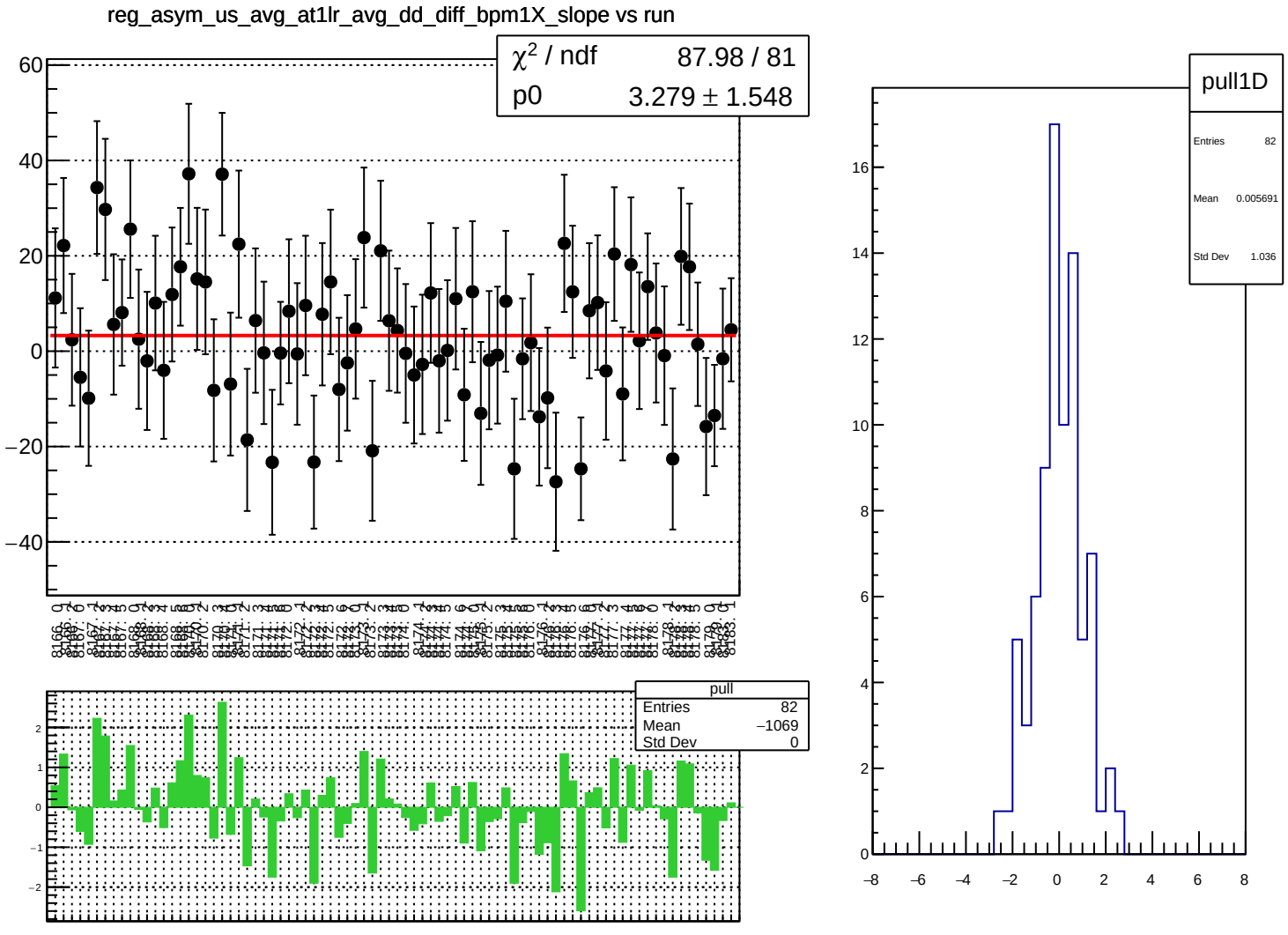

pull1D
Entries 82
Mean 0.001478
Std Dev 0.6093

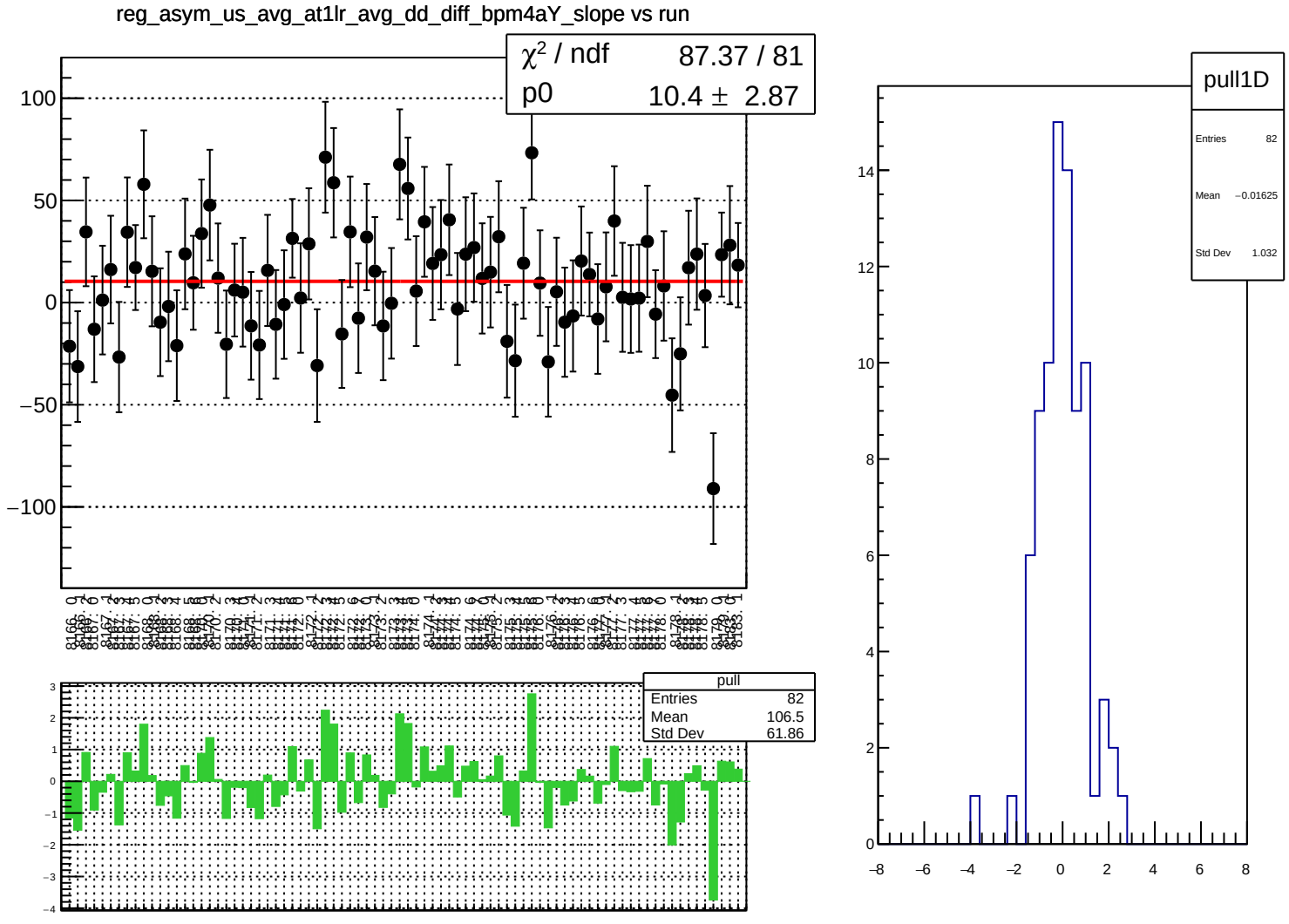

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.26 / 81
p0 −23.5 ± 6.46
pull
Entries 82
Mean 15.25
Std Dev 84.68

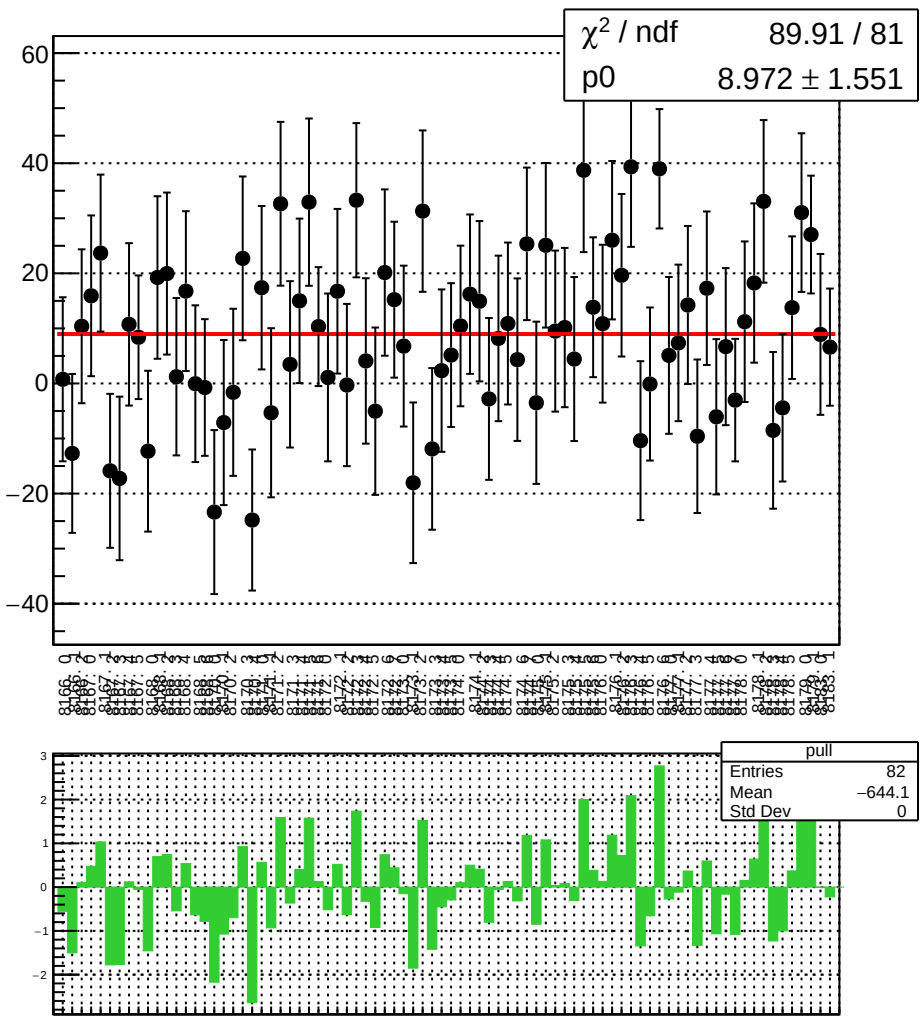

pull1D
Entries 82
Mean −0.0075
Std Dev 0.5439

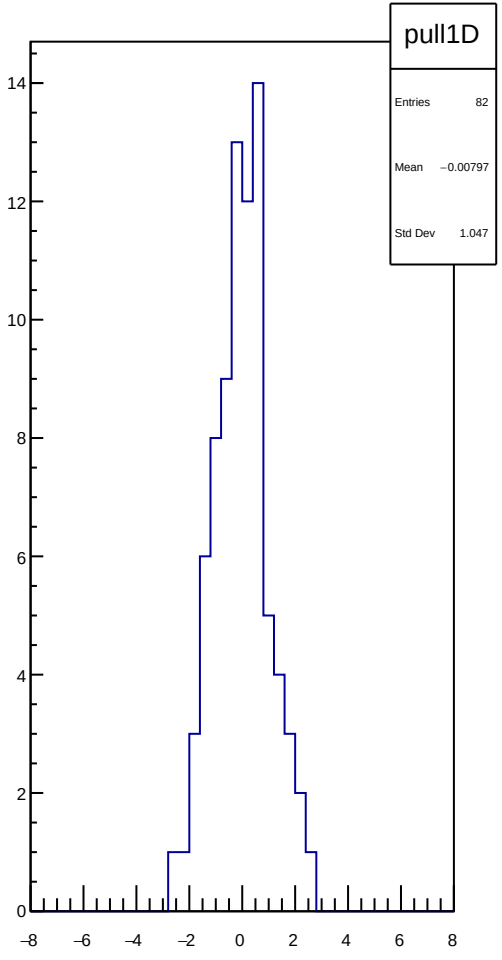

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 198.5 / 81
p0 −87.2 ± 0.3012
−80
−85
−90
−95
−100
pull
Entries 82
Mean −440.1
Std Dev 0
2
1
0
−1
−2
−3
−4

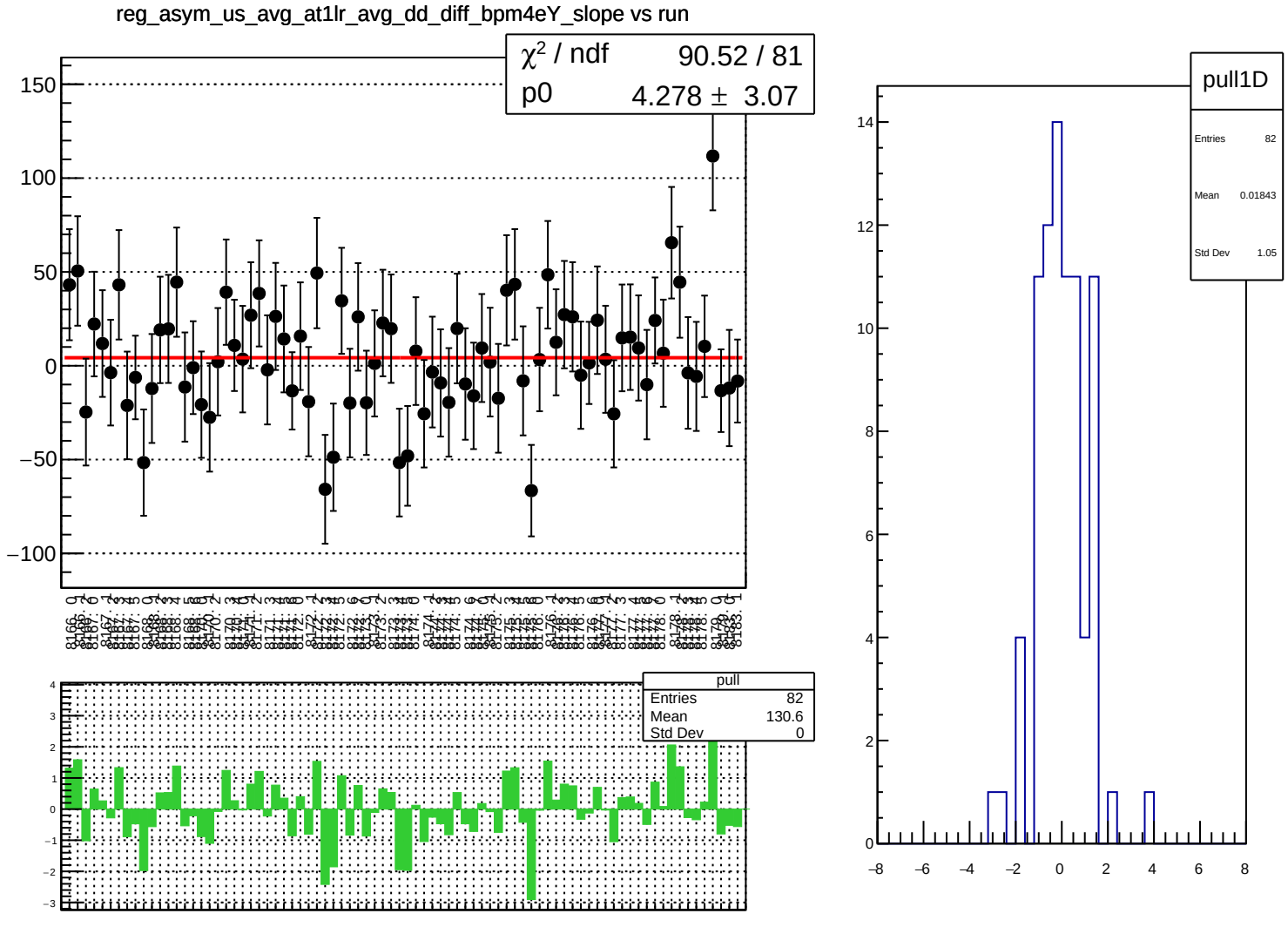

pull1D
Entries 82
Mean −0.04875
Std Dev 1.555
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

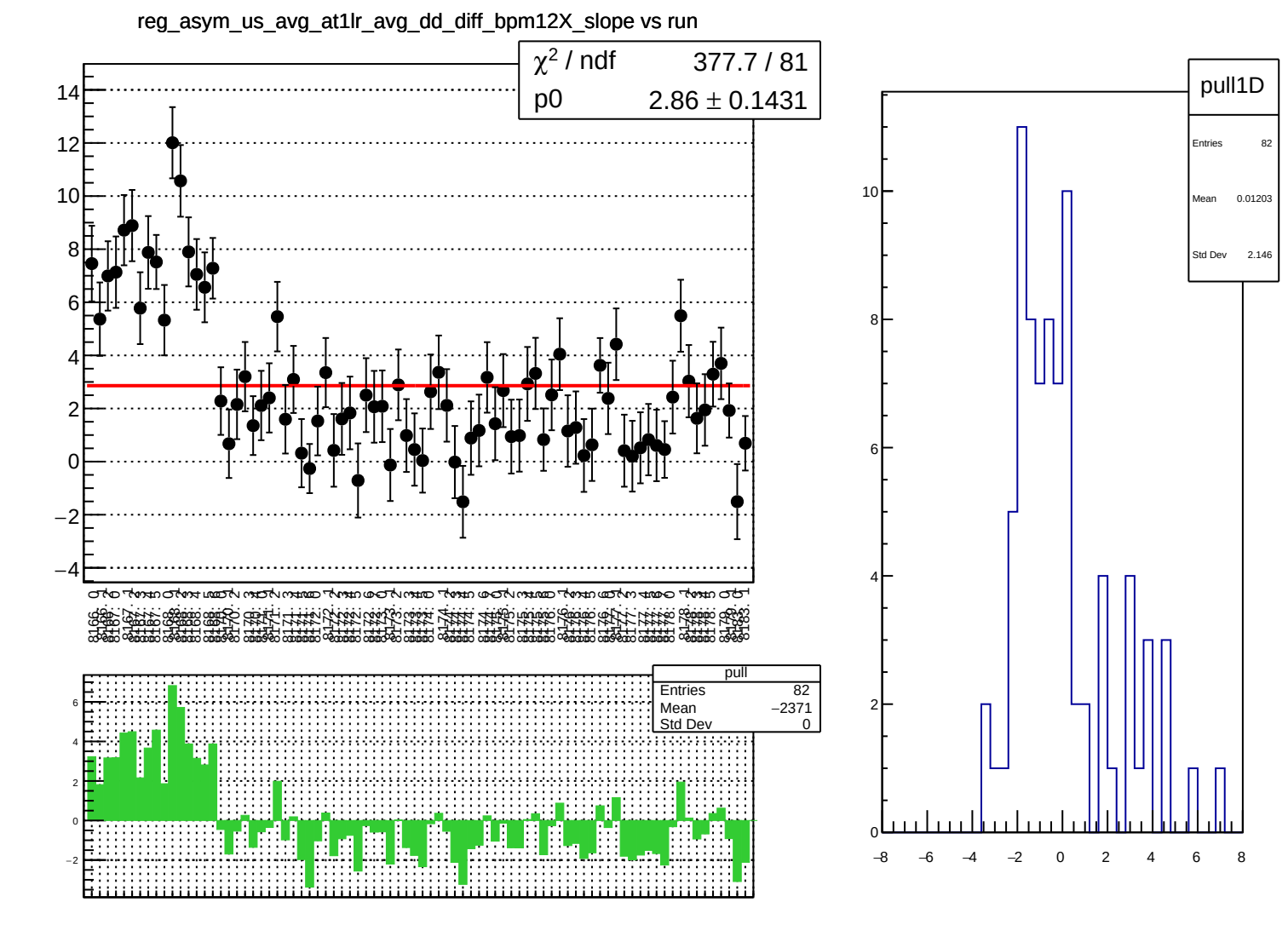

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 87.98 / 81
p0 3.279 ± 1.548
pull
Entries 82
Mean −1069
Std Dev 0
pull1D
Entries 82
Mean 0.005691
Std Dev 1.036

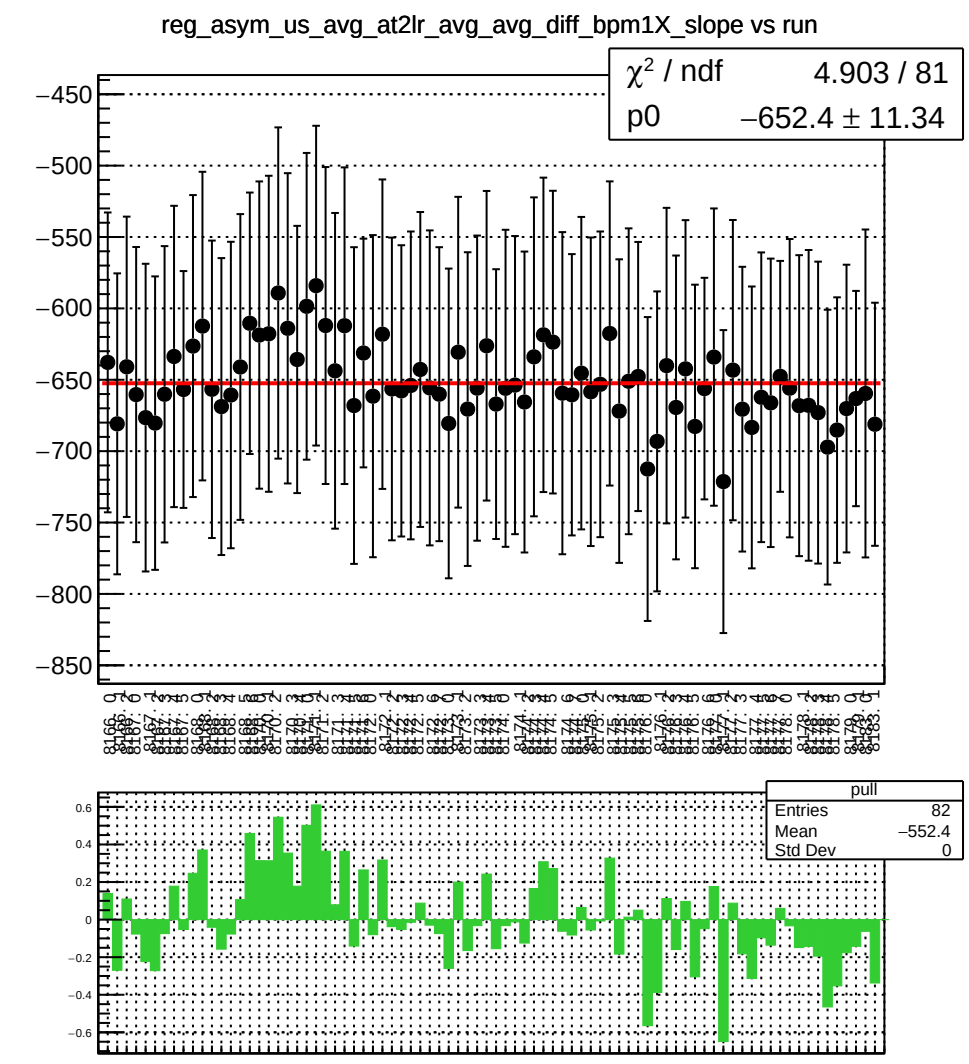

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.37 / 81
p0 10.4 ± 2.87
pull
Entries 82
Mean 106.5
Std Dev 61.86
pull1D
Entries 82
Mean −0.01625
Std Dev 1.032

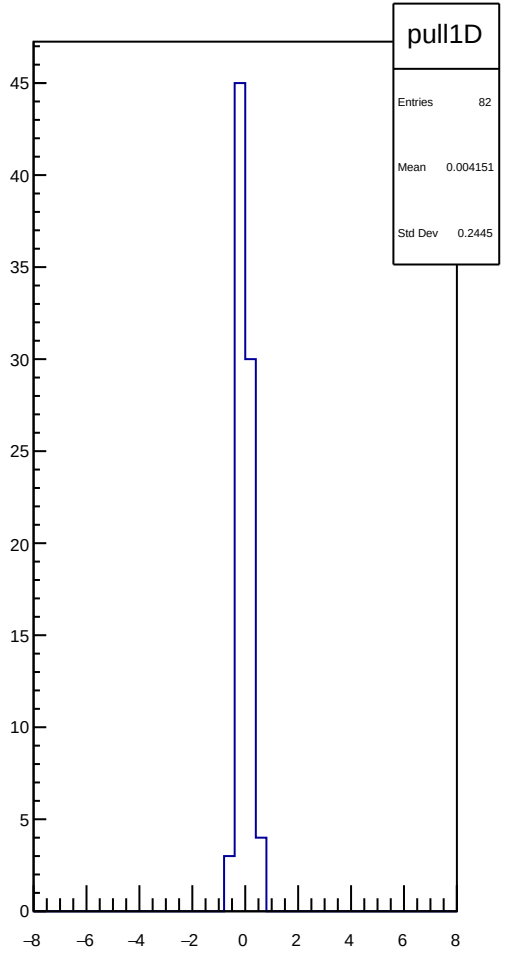

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.91 / 81
p0 8.972 ± 1.551
pull
Entries 82
Mean −644.1
Std Dev 0

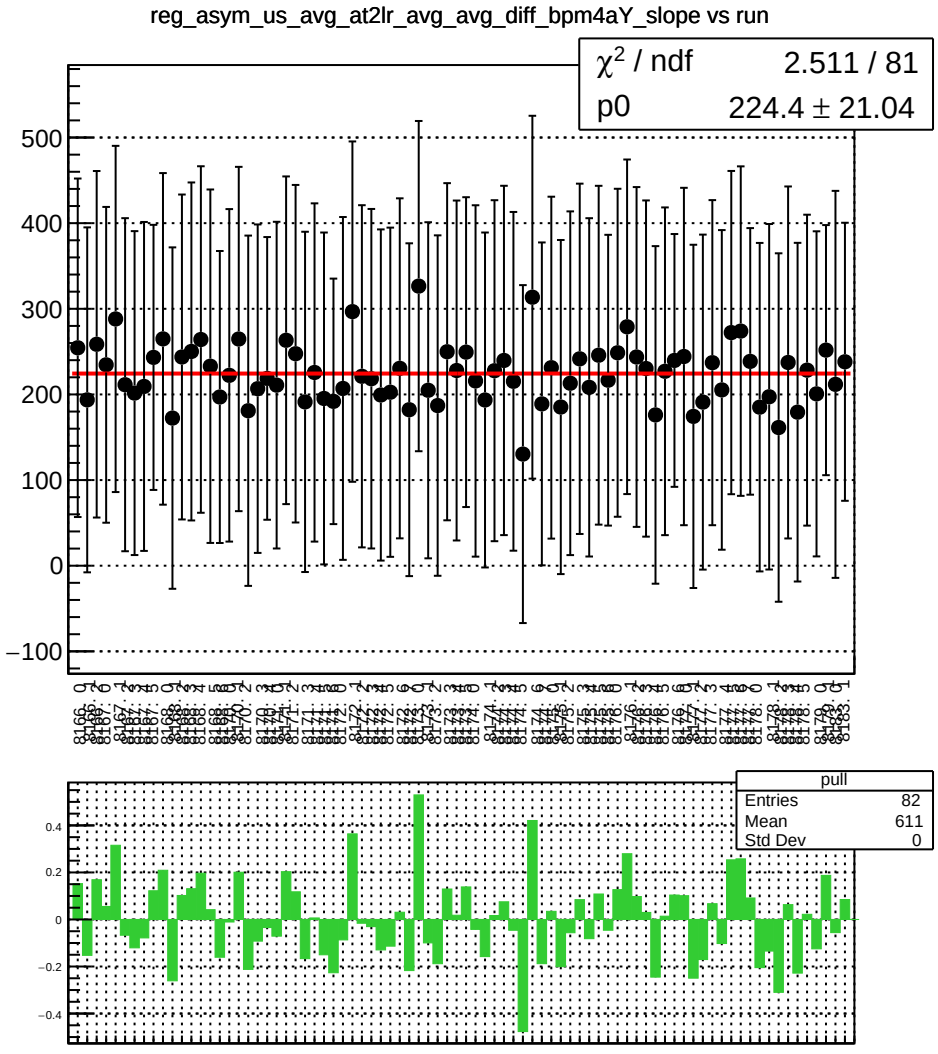

pull1D
Entries 82
Mean −0.00797
Std Dev 1.047

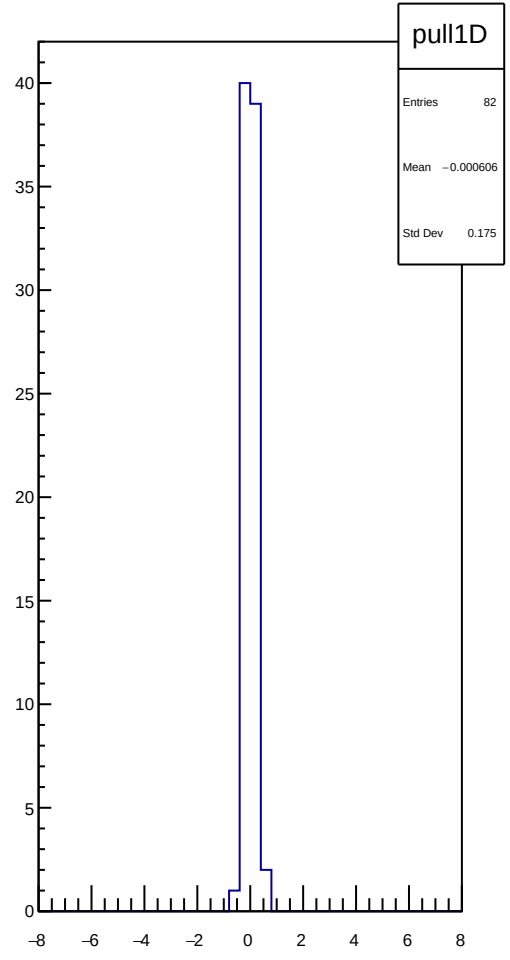

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.52 / 81
p0 4.278 ± 3.07
150
100
50
0
−50
−100
pull
Entries 82
Mean 130.6
Std Dev 0
4
3
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.01843
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

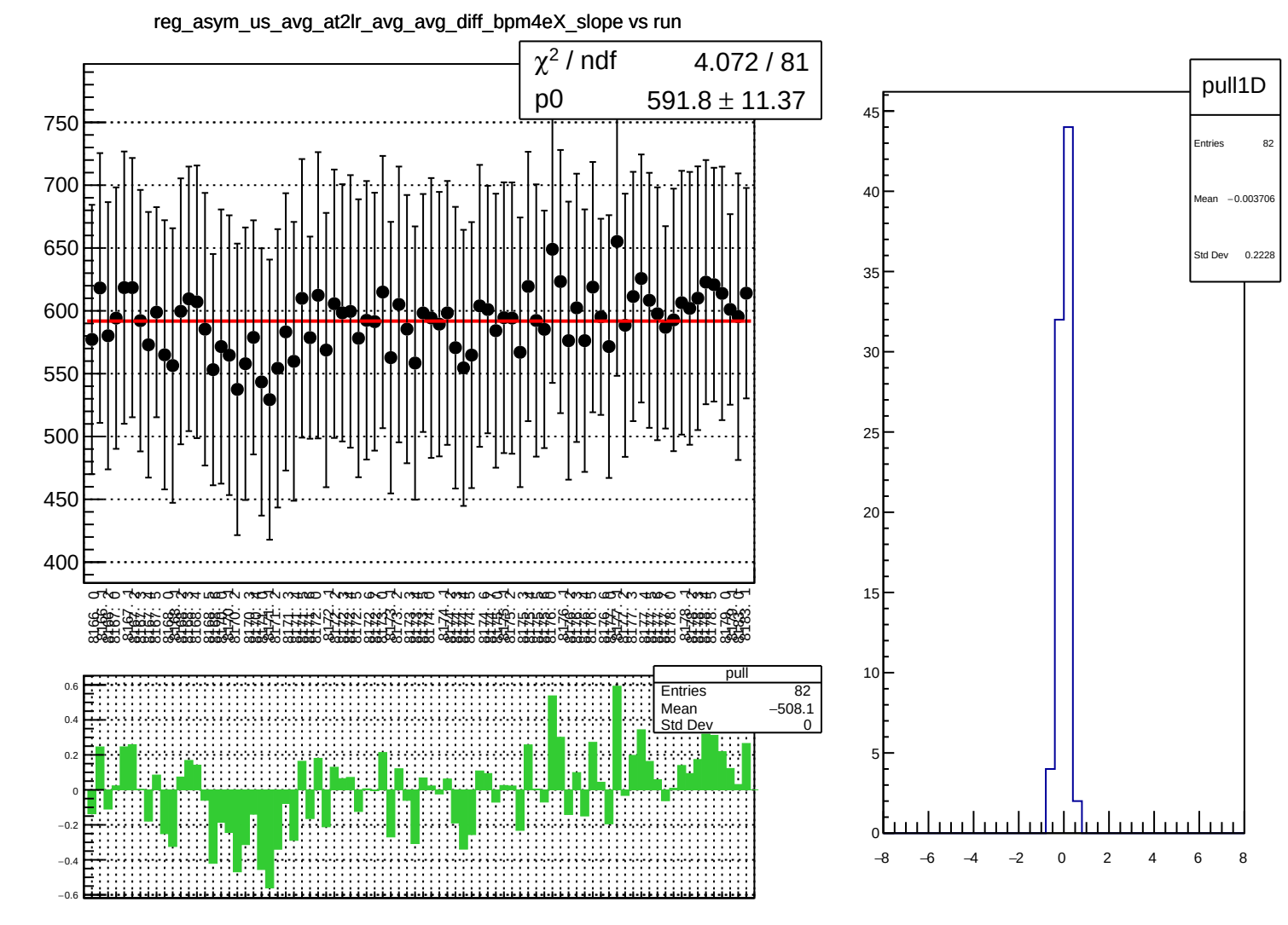

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 377.7 / 81
p0 2.86 ± 0.1431
pull
Entries 82
Mean −2371
Std Dev 0
pull1D
Entries 82
Mean 0.01203
Std Dev 2.146

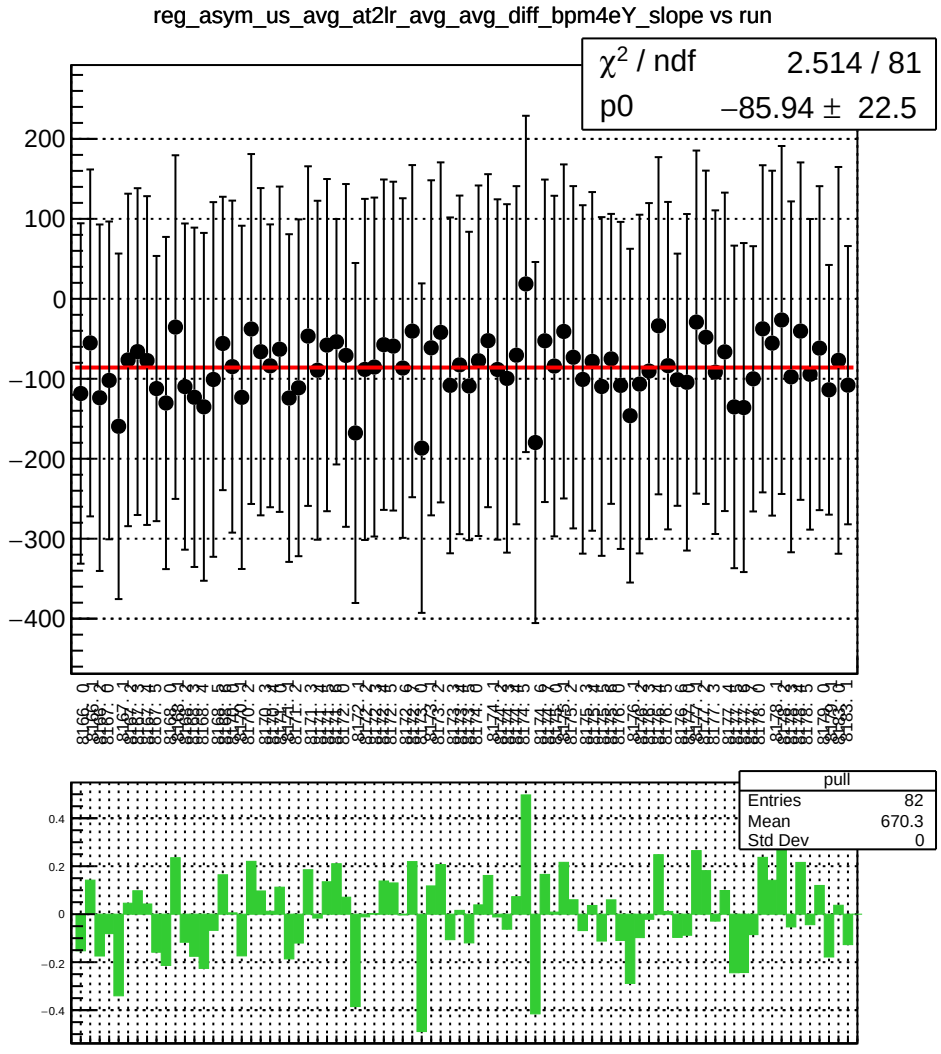

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 4.903 / 81
p0 −652.4 ± 11.34
pull
Entries 82
Mean −552.4
Std Dev 0

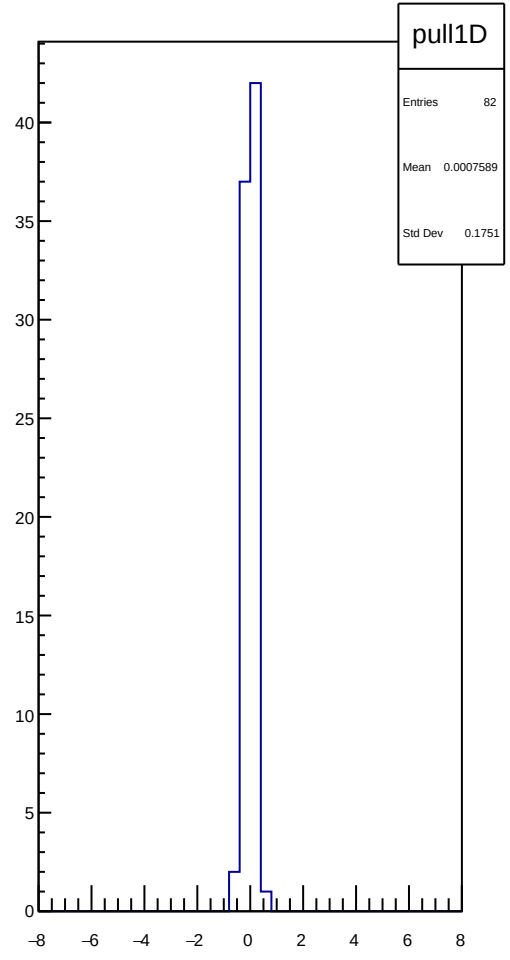

pull1D
Entries 82
Mean 0.004151
Std Dev 0.2445

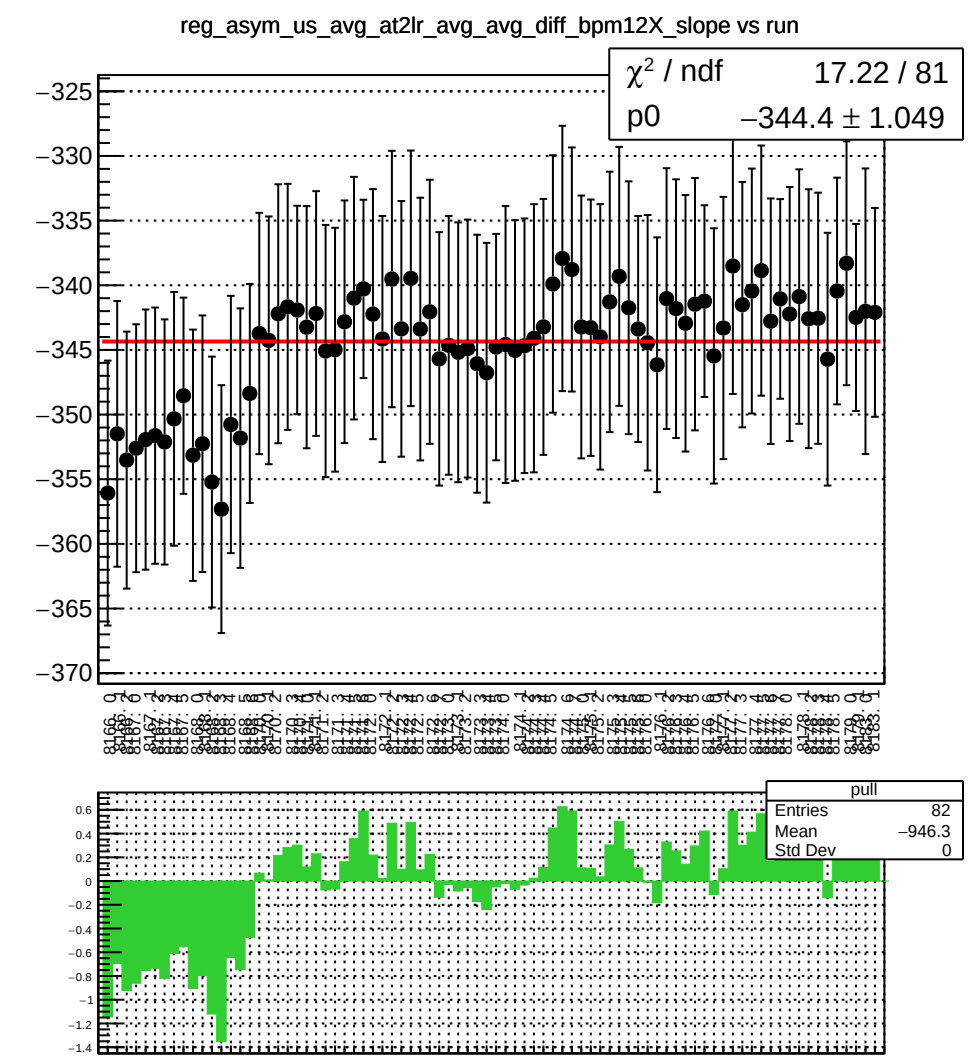

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.511 / 81
p0 224.4 ± 21.04
pull
Entries 82
Mean 611
Std Dev 0

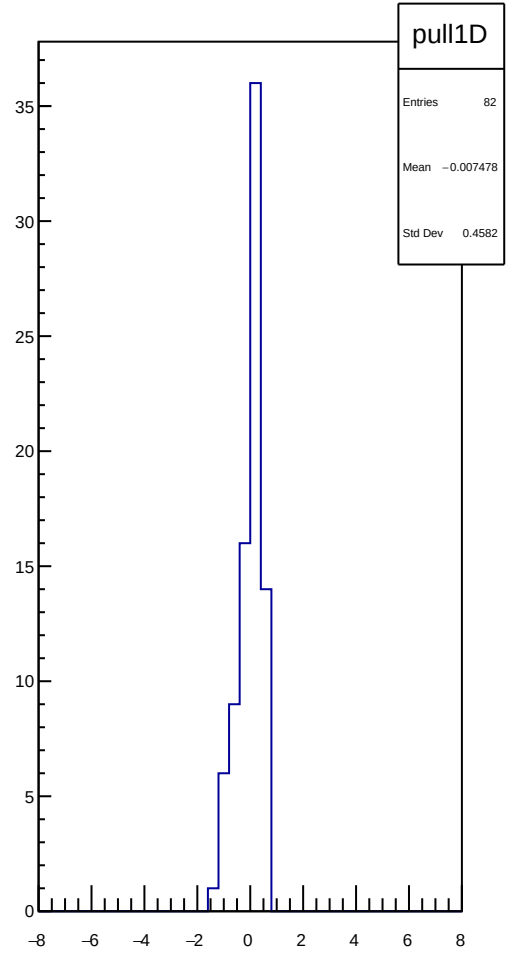

pull1D
Entries 82
Mean −0.000606
Std Dev 0.175

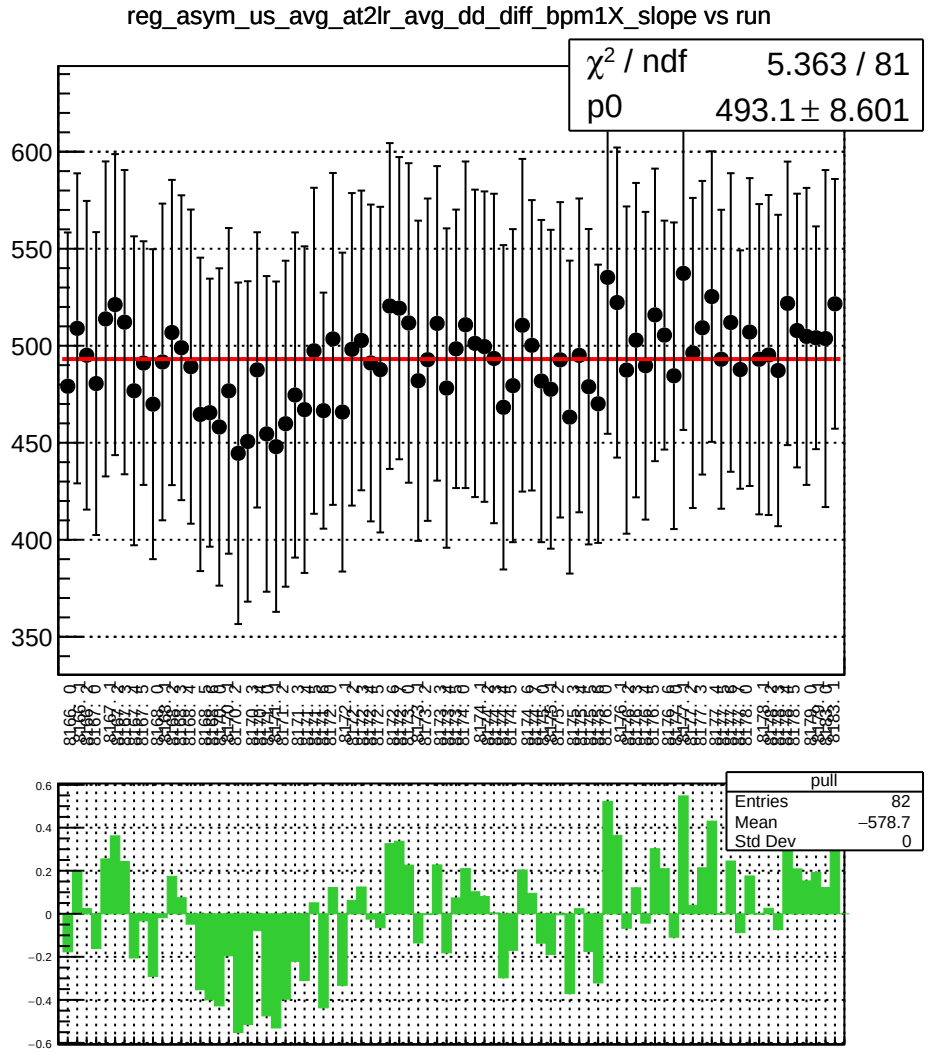

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.072 / 81
p0 591.8 ± 11.37
pull
Entries 82
Mean −508.1
Std Dev 0
pull1D
Entries 82
Mean −0.003706
Std Dev 0.2228

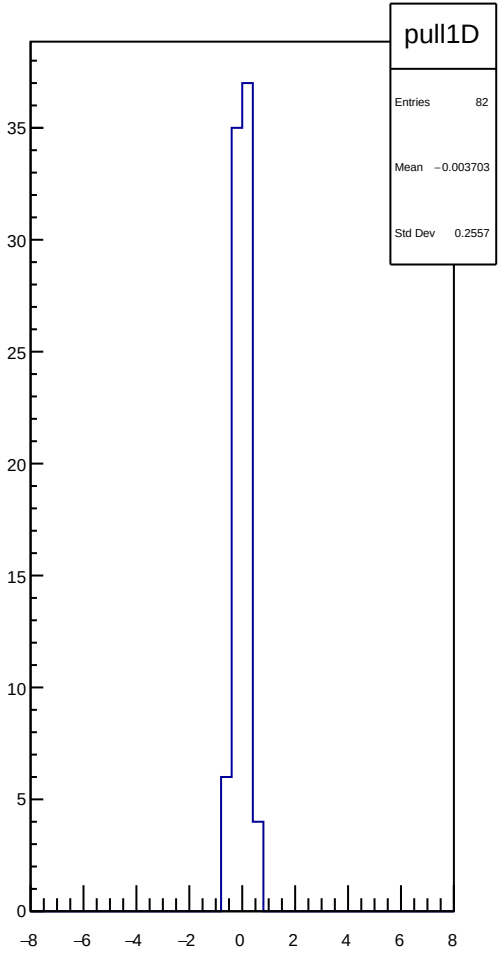

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.514 / 81
p0 −85.94 ± 22.5
pull
Entries 82
Mean 670.3
Std Dev 0

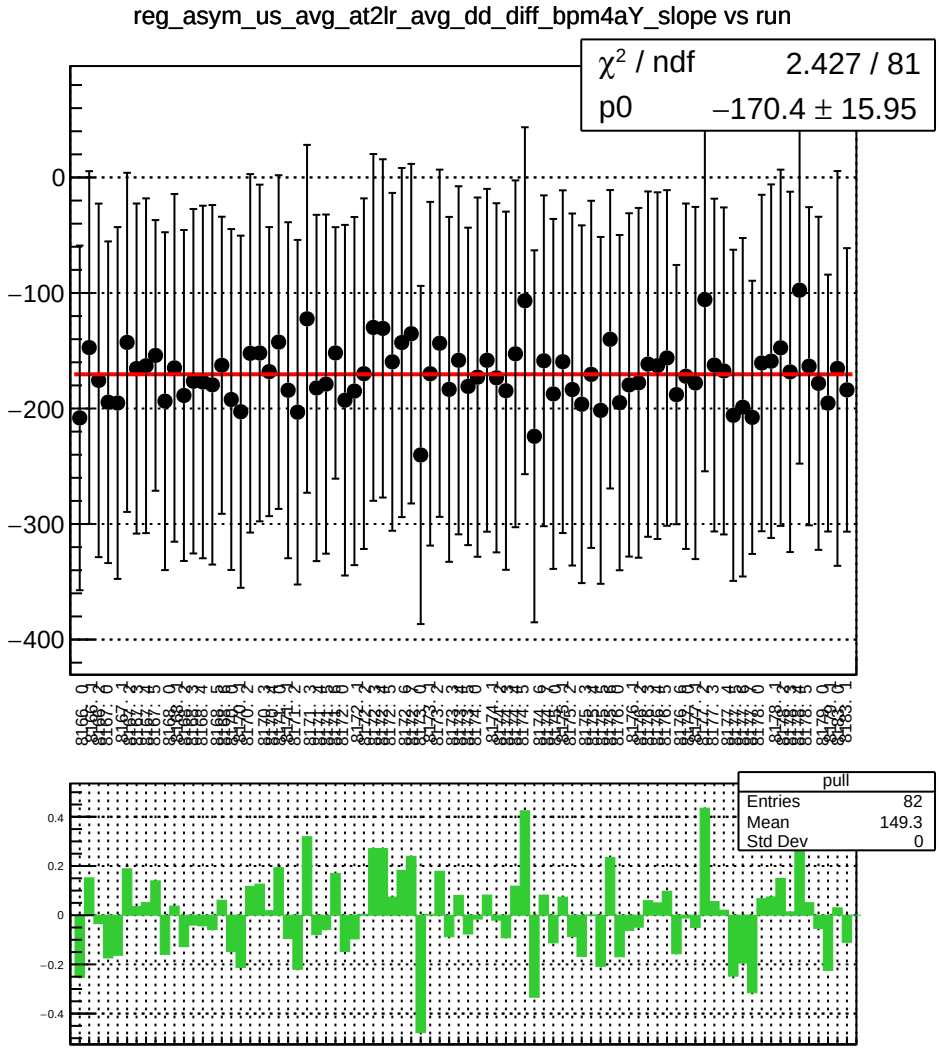

pull1D
Entries 82
Mean 0.0007589
Std Dev 0.1751

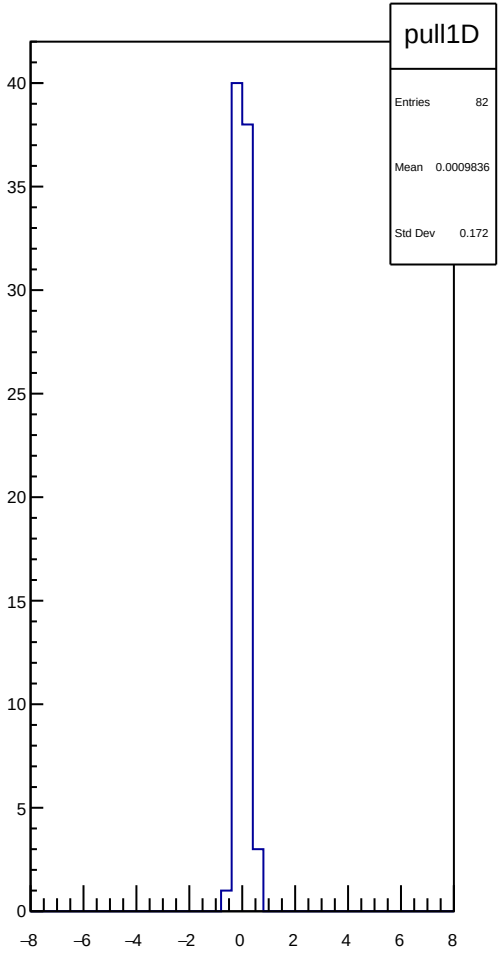

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 17.22 / 81
p0 −344.4 ± 1.049
pull
Entries 82
Mean −946.3
Std Dev 0

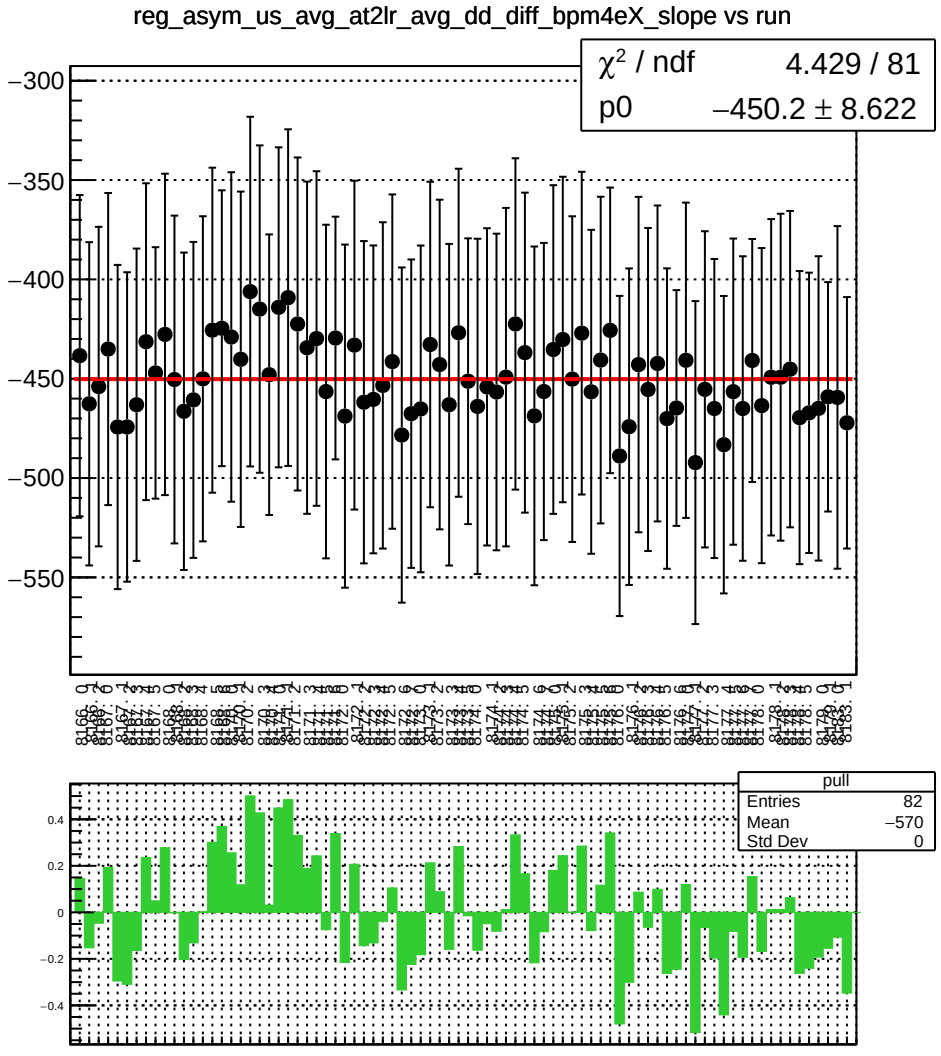

pull1D
Entries 82
Mean −0.007478
Std Dev 0.4582

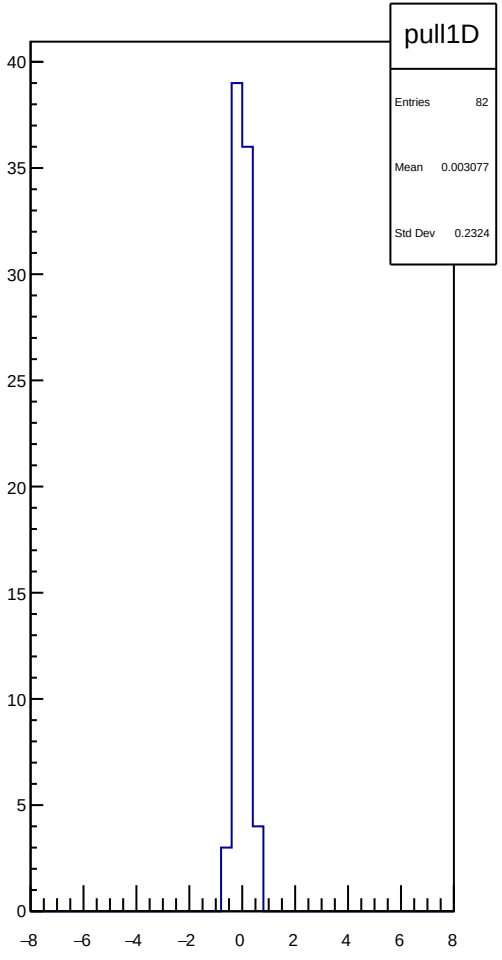

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 5.363 / 81
p0 493.1 ± 8.601
pull
Entries 82
Mean −578.7
Std Dev 0

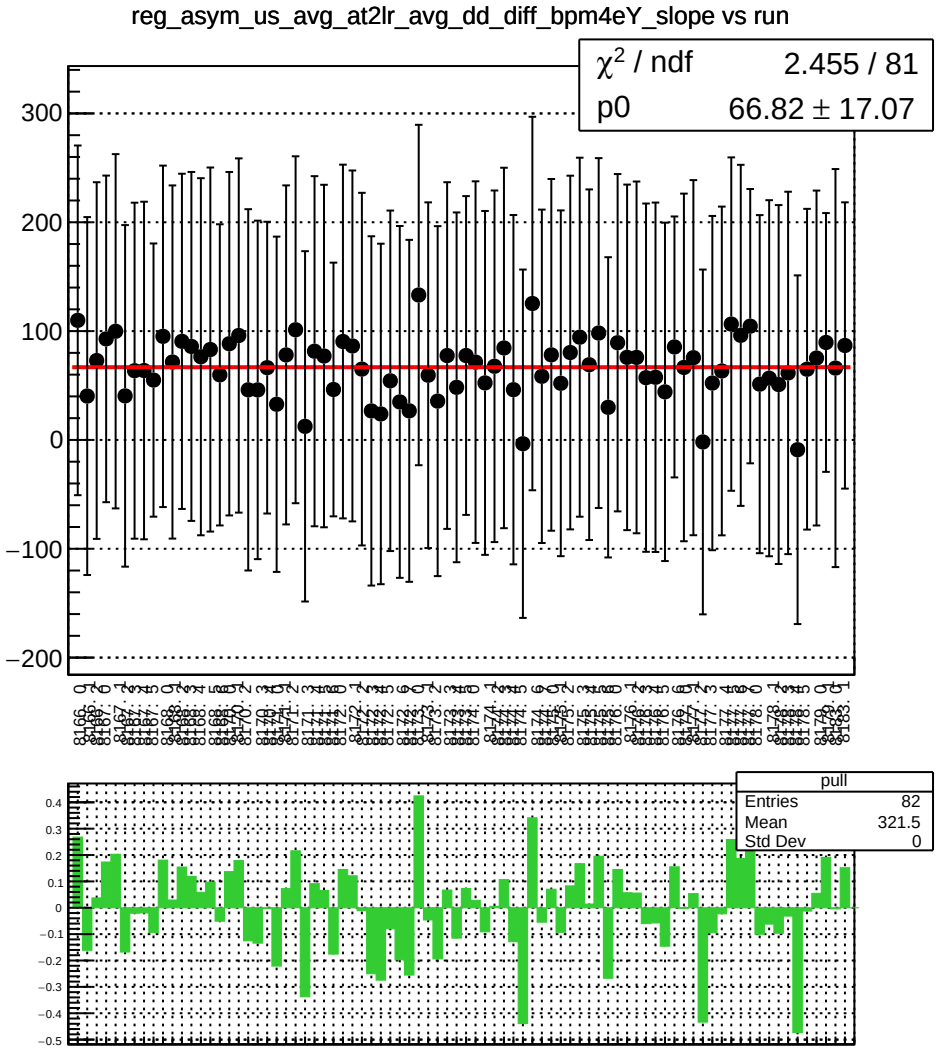

pull1D
Entries 82
Mean −0.003703
Std Dev 0.2557

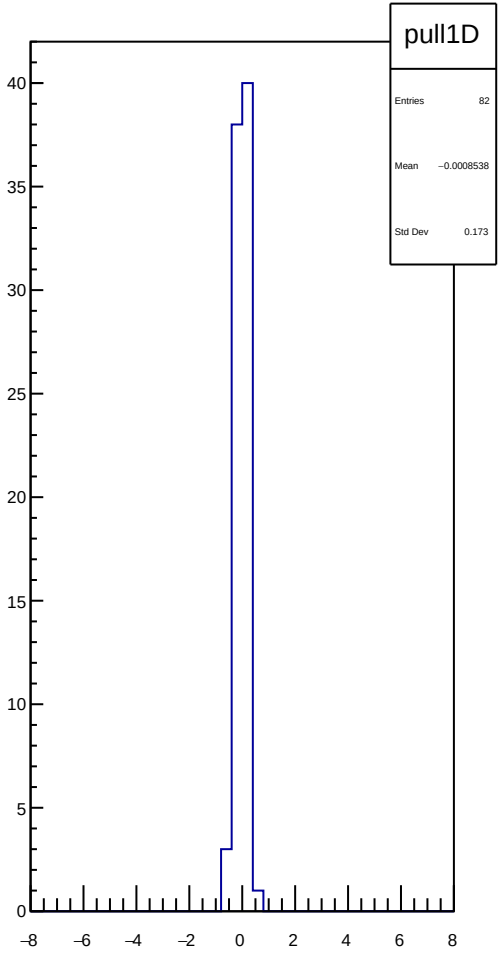

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.427 / 81
p0 −170.4 ± 15.95
pull
Entries 82
Mean 149.3
Std Dev 0

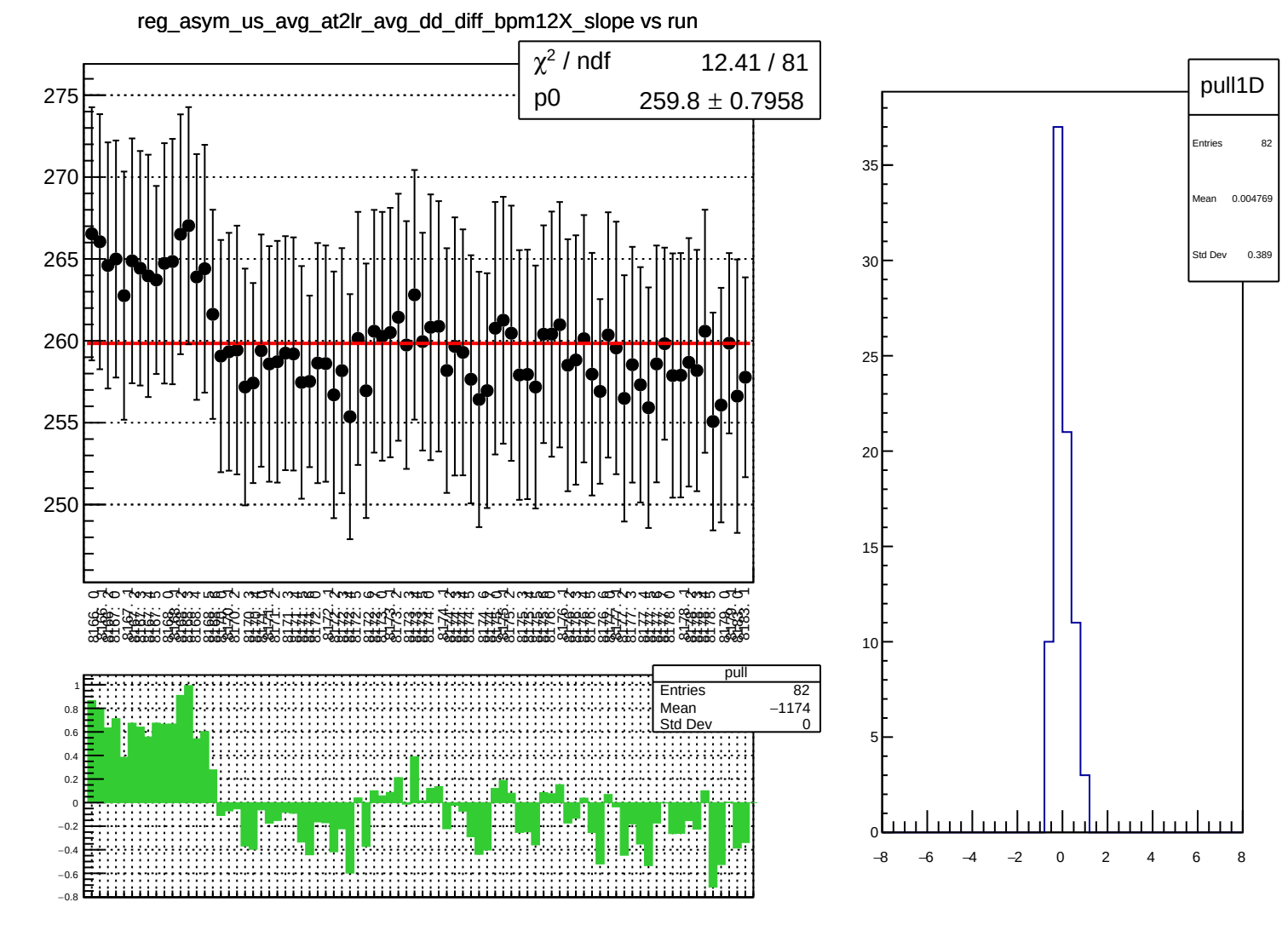

pull1D
Entries 82
Mean 0.0009836
Std Dev 0.172

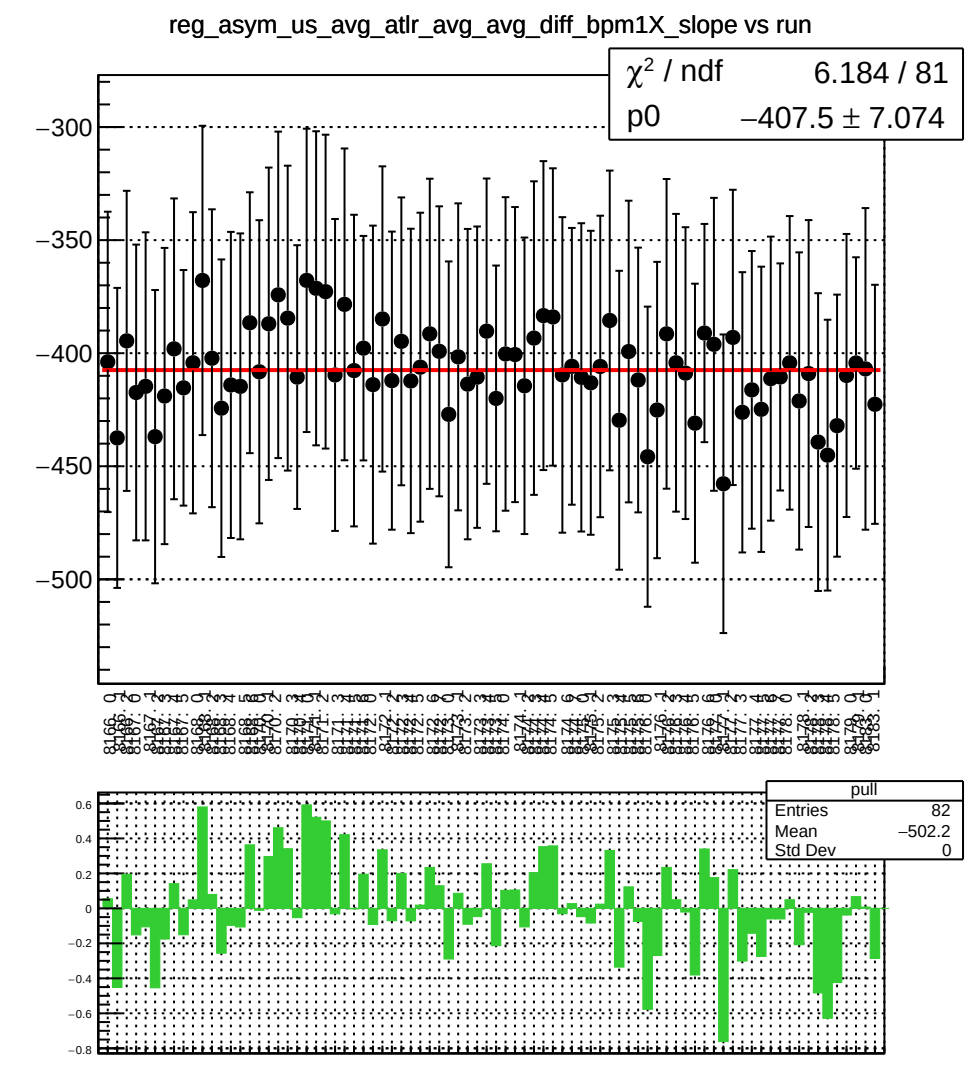

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.429 / 81
p0 −450.2 ± 8.622
pull
Entries 82
Mean −570
Std Dev 0

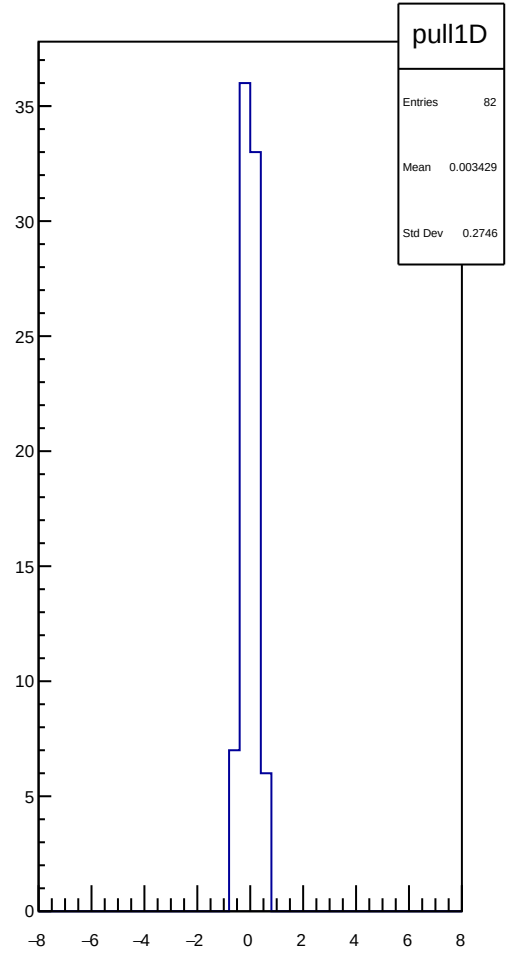

pull1D
Entries 82
Mean 0.003077
Std Dev 0.2324

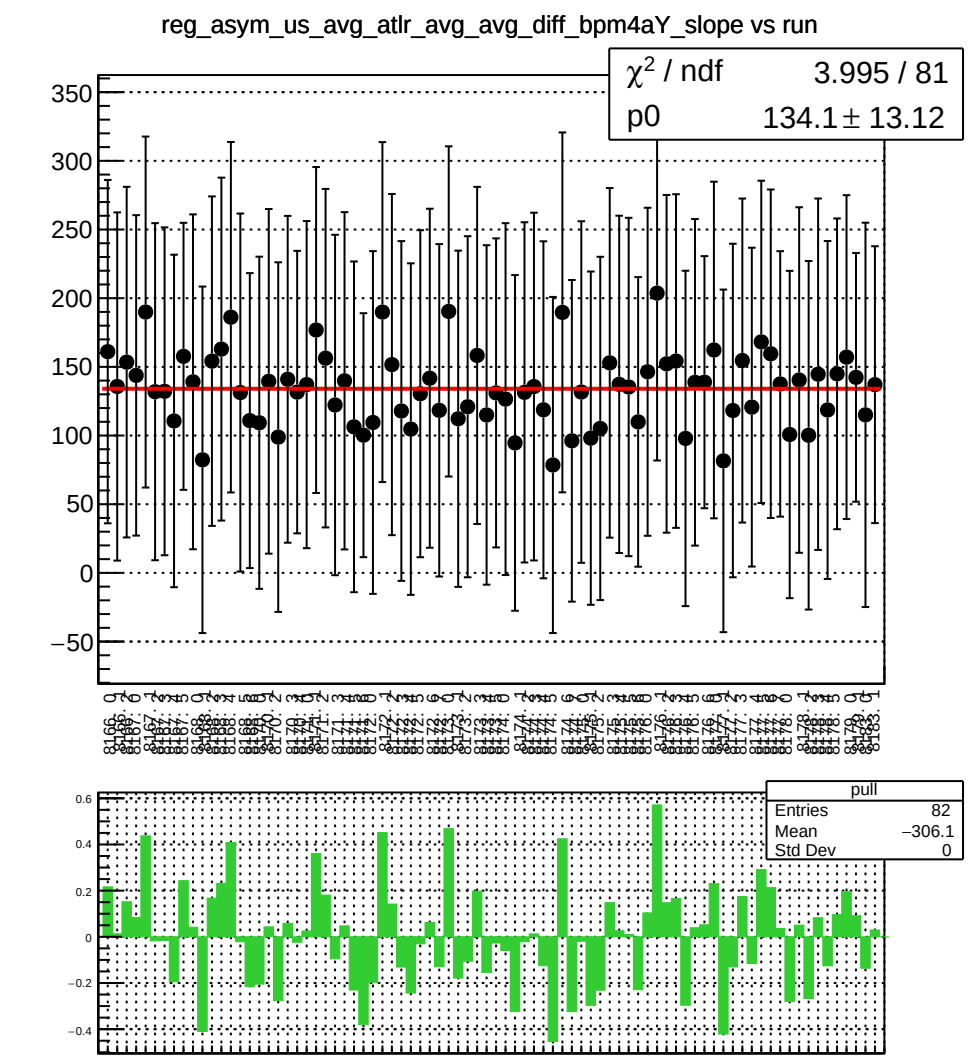

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.455 / 81
p0 66.82 ± 17.07
300
200
100
0
−100
−200
pull
Entries 82
Mean 321.5
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

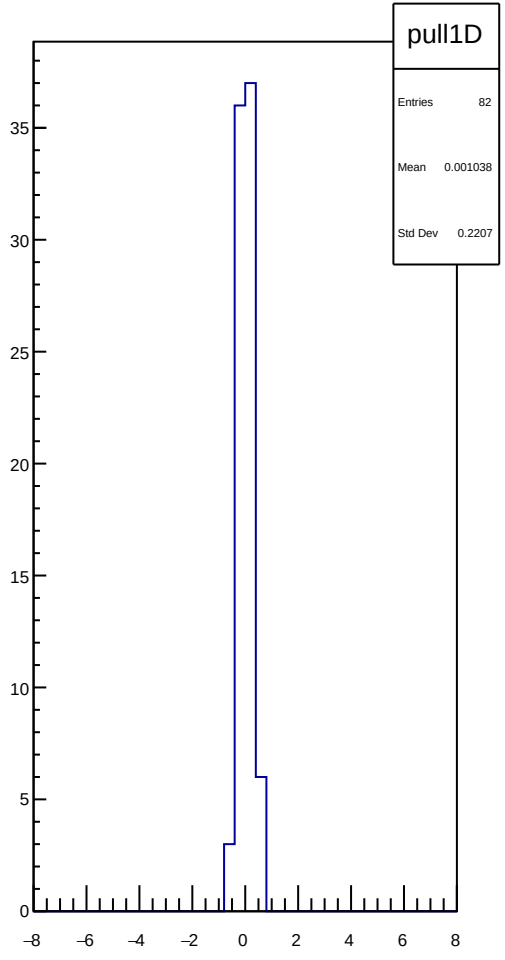

pull1D
Entries 82
Mean −0.0008538
Std Dev 0.173
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

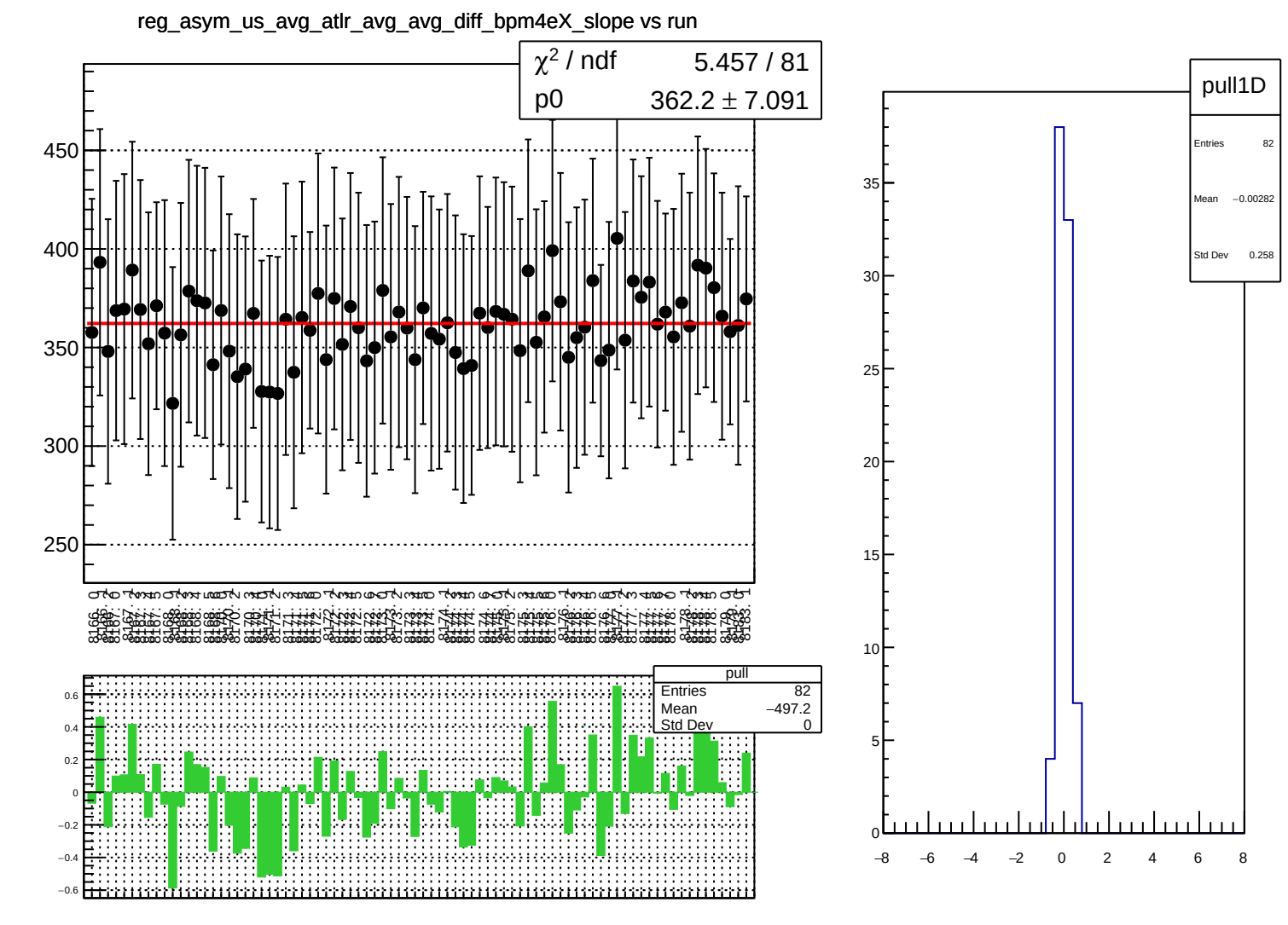

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.41 / 81
p0 259.8 ± 0.7958
275
270
265
260
255
250
pull
Entries 82
Mean −1174
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean 0.004769
Std Dev 0.389
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

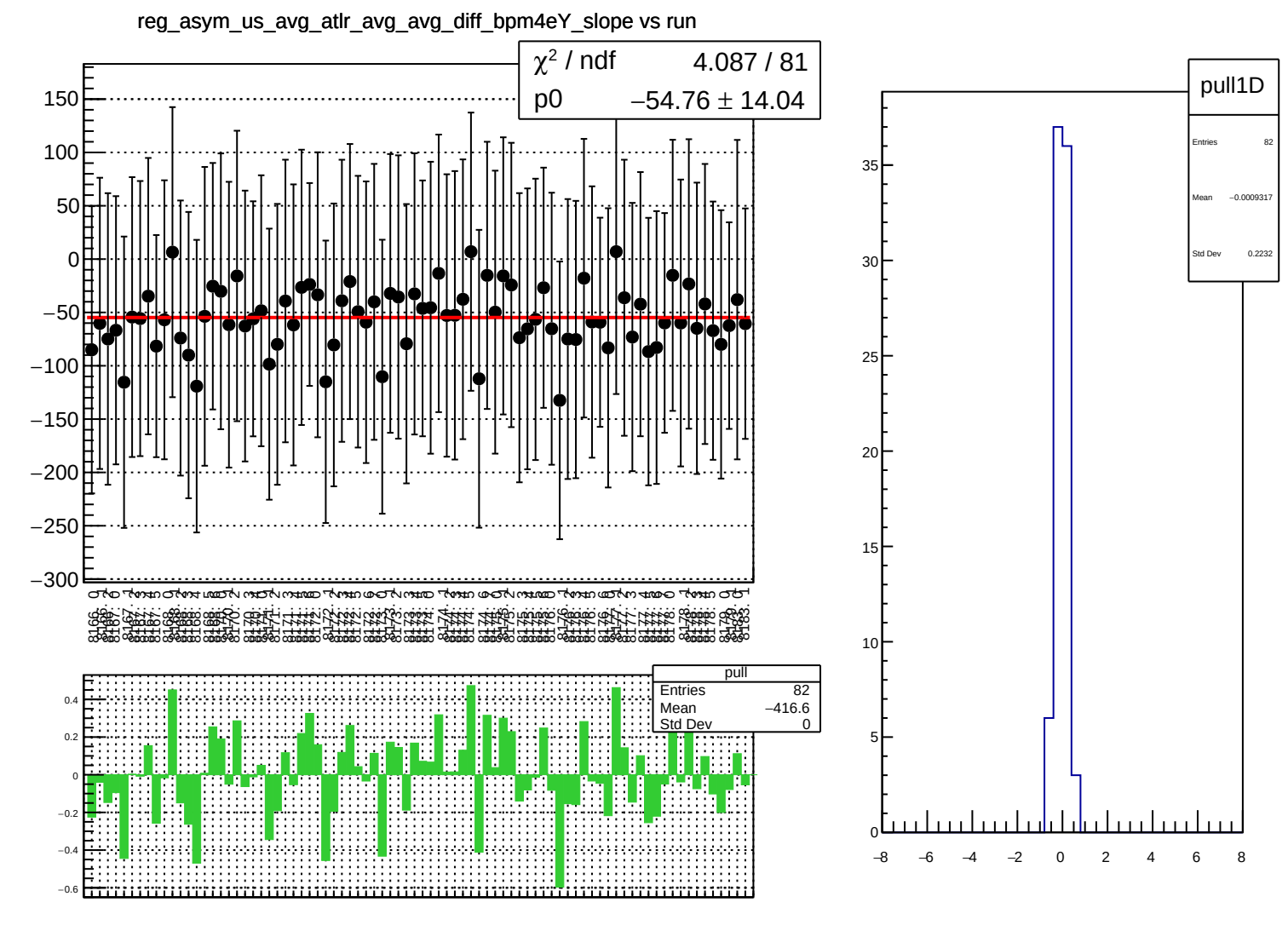

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.184 / 81
p0 −407.5 ± 7.074
−300
−350
−400
−450
−500
pull
Entries 82
Mean −502.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

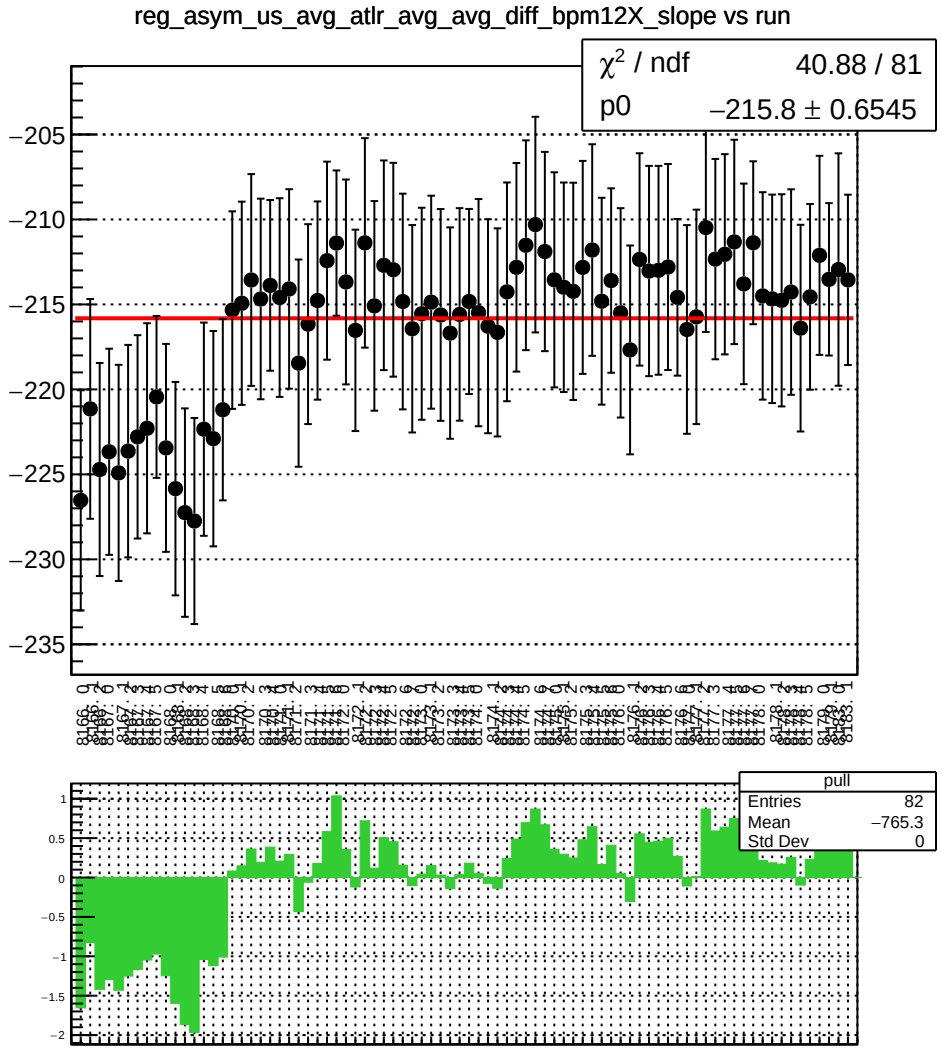

pull1D
Entries 82
Mean 0.003429
Std Dev 0.2746
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

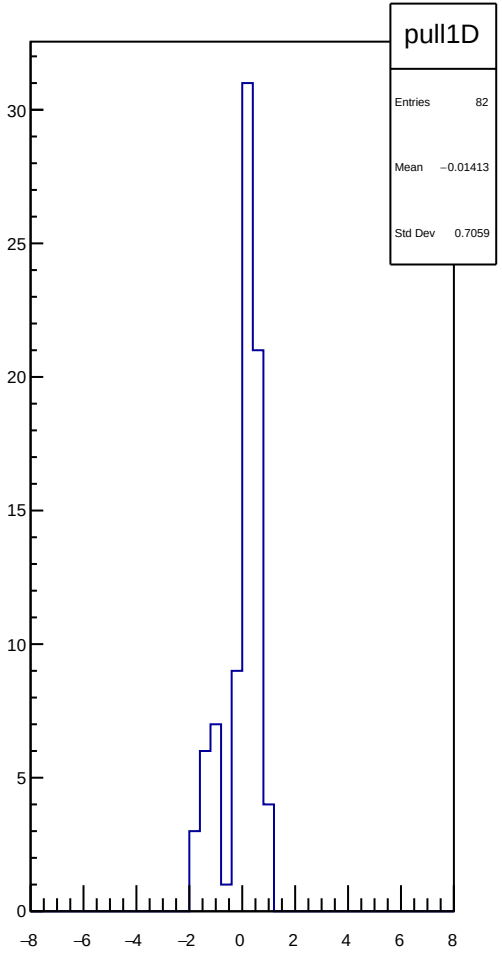

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.995 / 81
p0 134.1 ± 13.12
pull
Entries 82
Mean −306.1
Std Dev 0

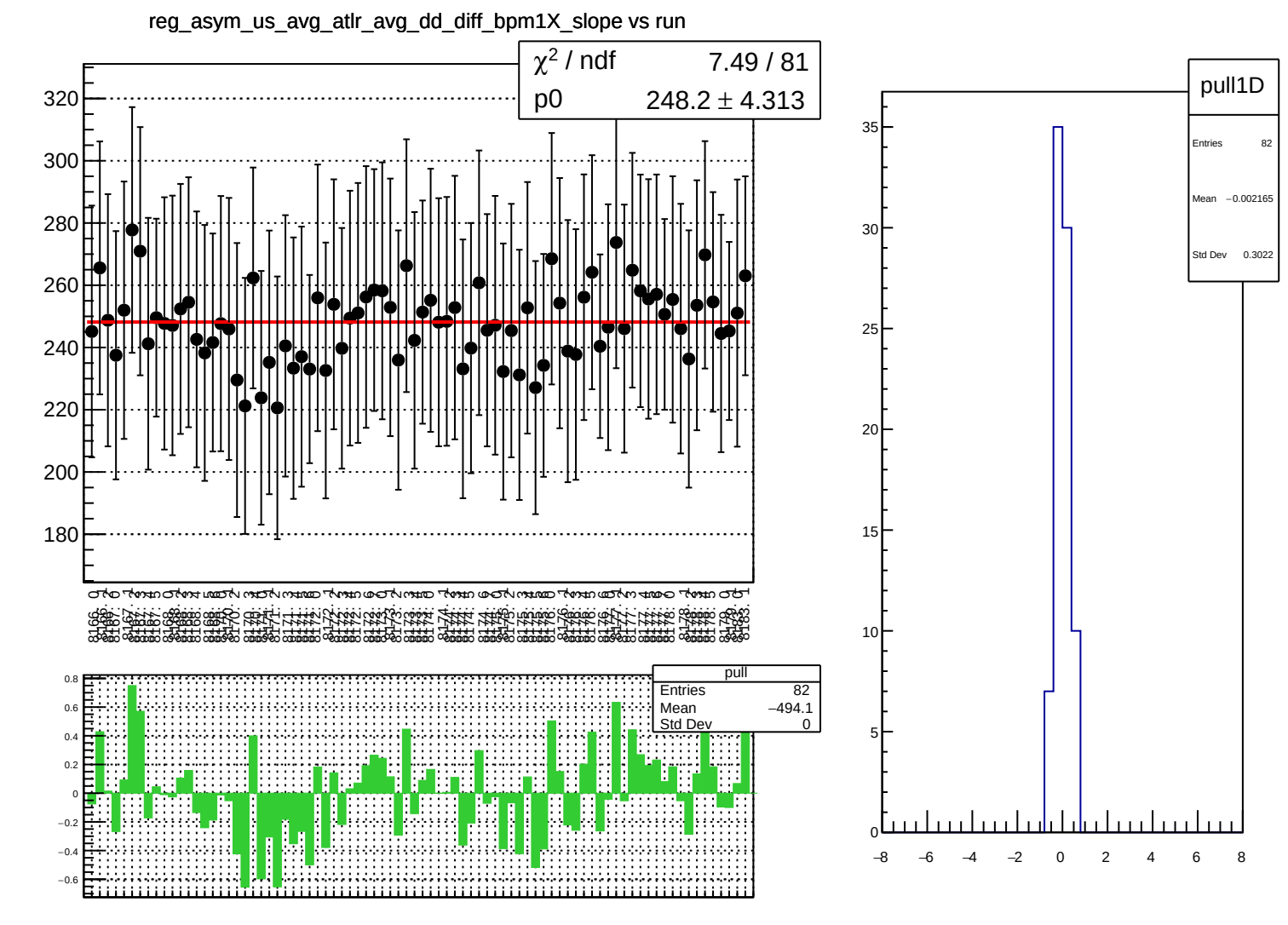

pull1D
Entries 82
Mean 0.001038
Std Dev 0.2207

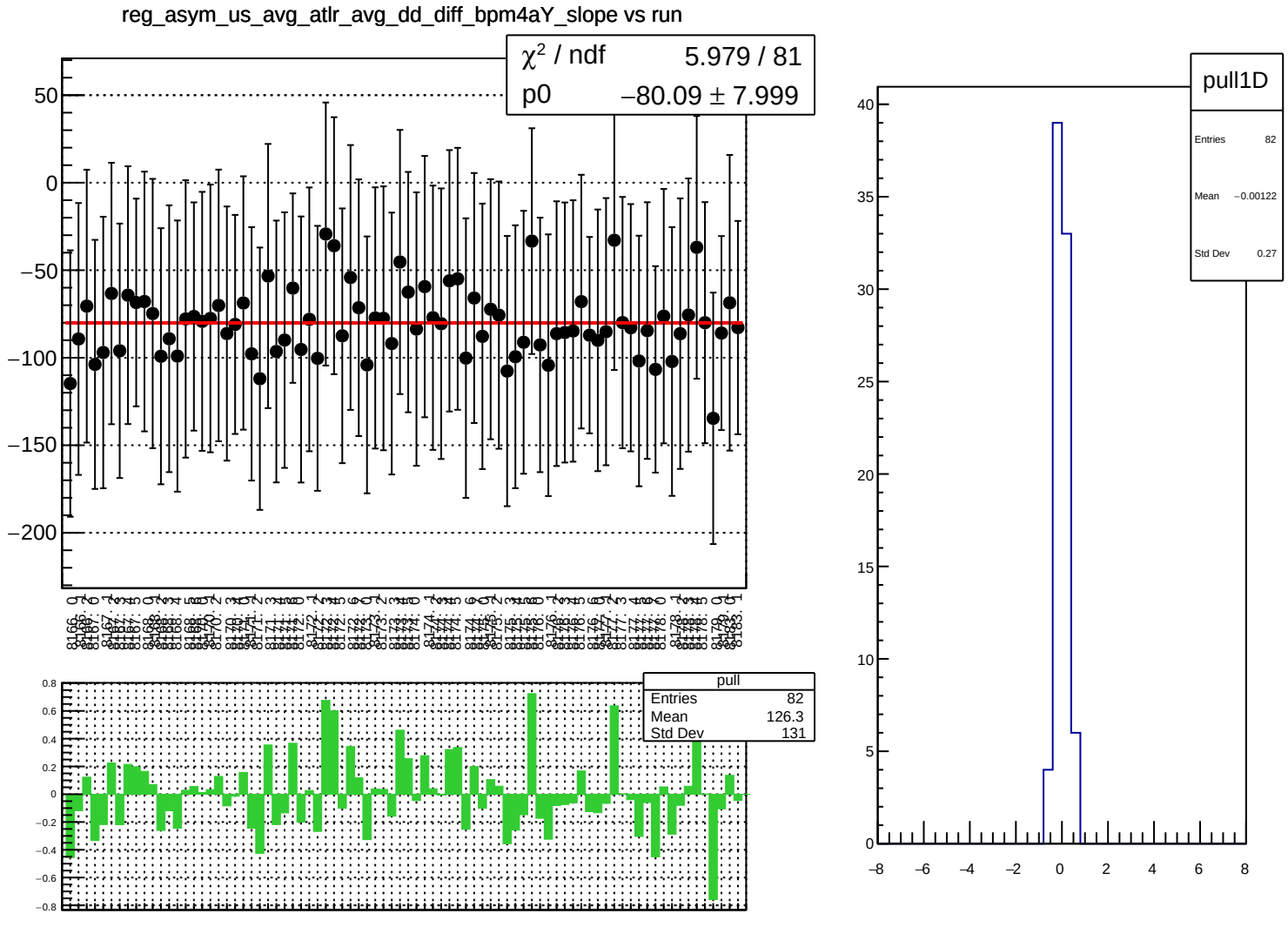

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.457 / 81
p0 362.2 ± 7.091
pull
Entries 82
Mean −497.2
Std Dev 0
pull1D
Entries 82
Mean −0.00282
Std Dev 0.258

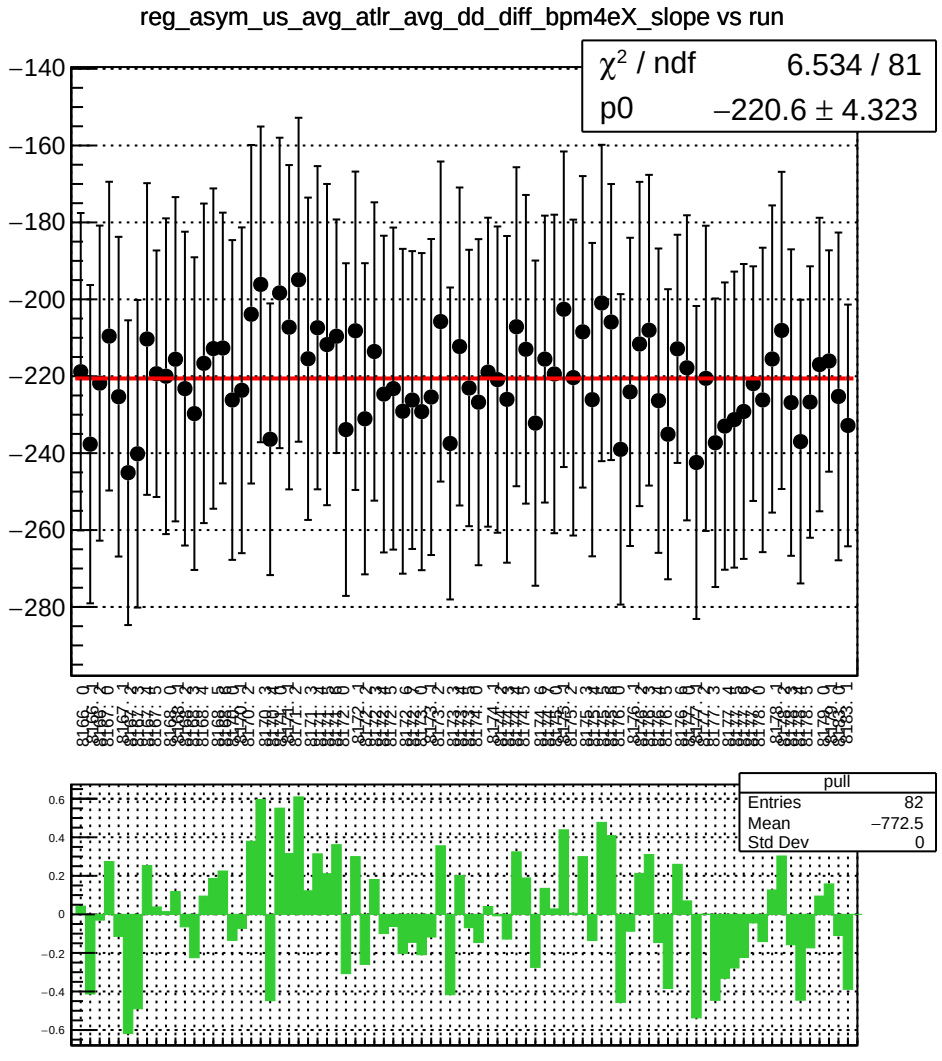

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.087 / 81
p0 −54.76 ± 14.04
pull
Entries 82
Mean −416.6
Std Dev 0
pull1D
Entries 82
Mean −0.0009317
Std Dev 0.2232

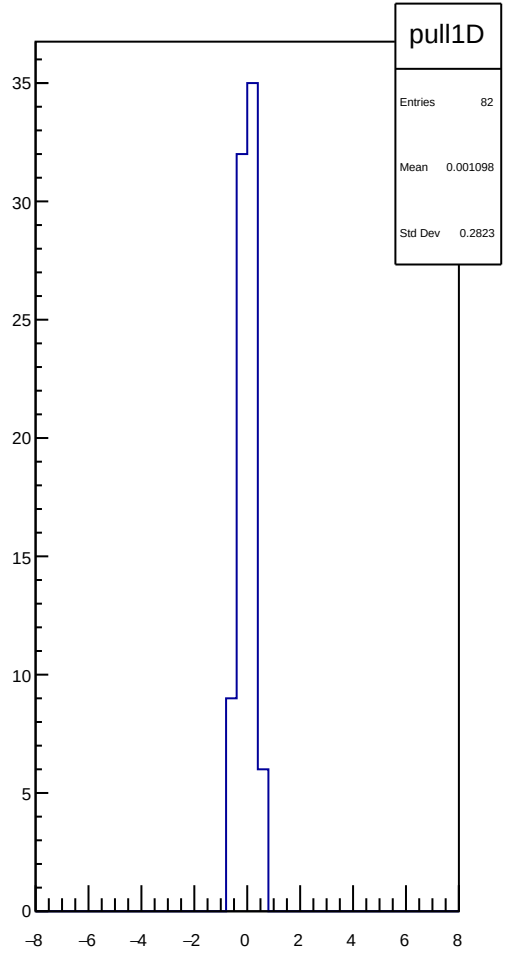

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 40.88 / 81
p0 −215.8 ± 0.6545
pull
Entries 82
Mean −765.3
Std Dev 0

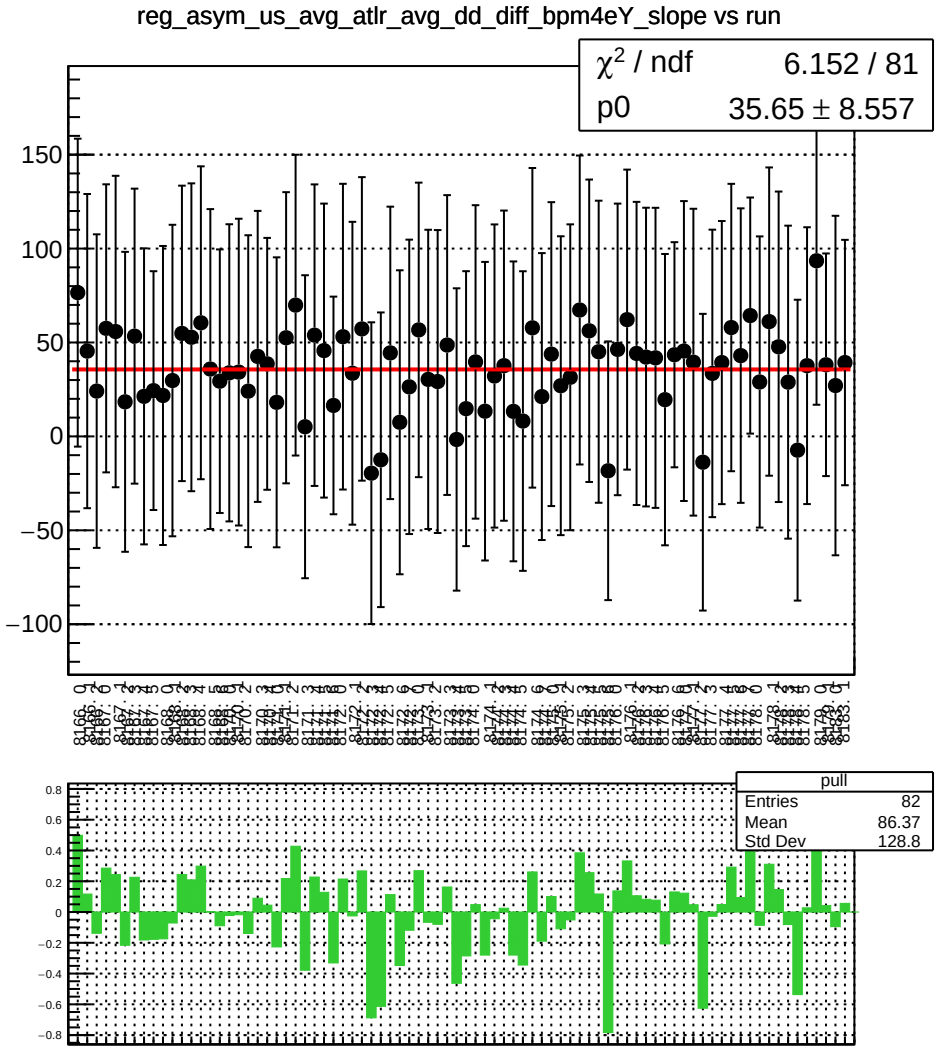

pull1D
Entries 82
Mean −0.01413
Std Dev 0.7059

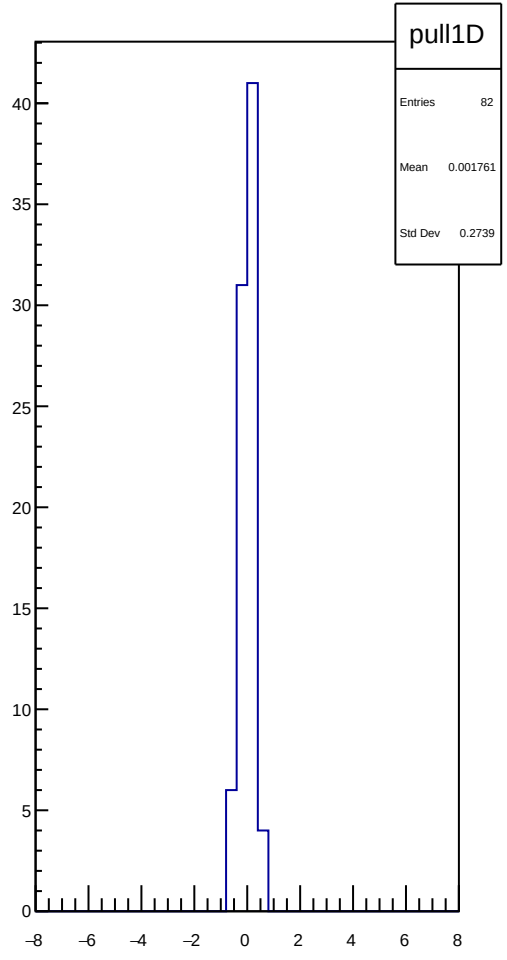

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 7.49 / 81
p0 248.2 ± 4.313
pull
Entries 82
Mean −494.1
Std Dev 0
pull1D
Entries 82
Mean −0.002165
Std Dev 0.3022

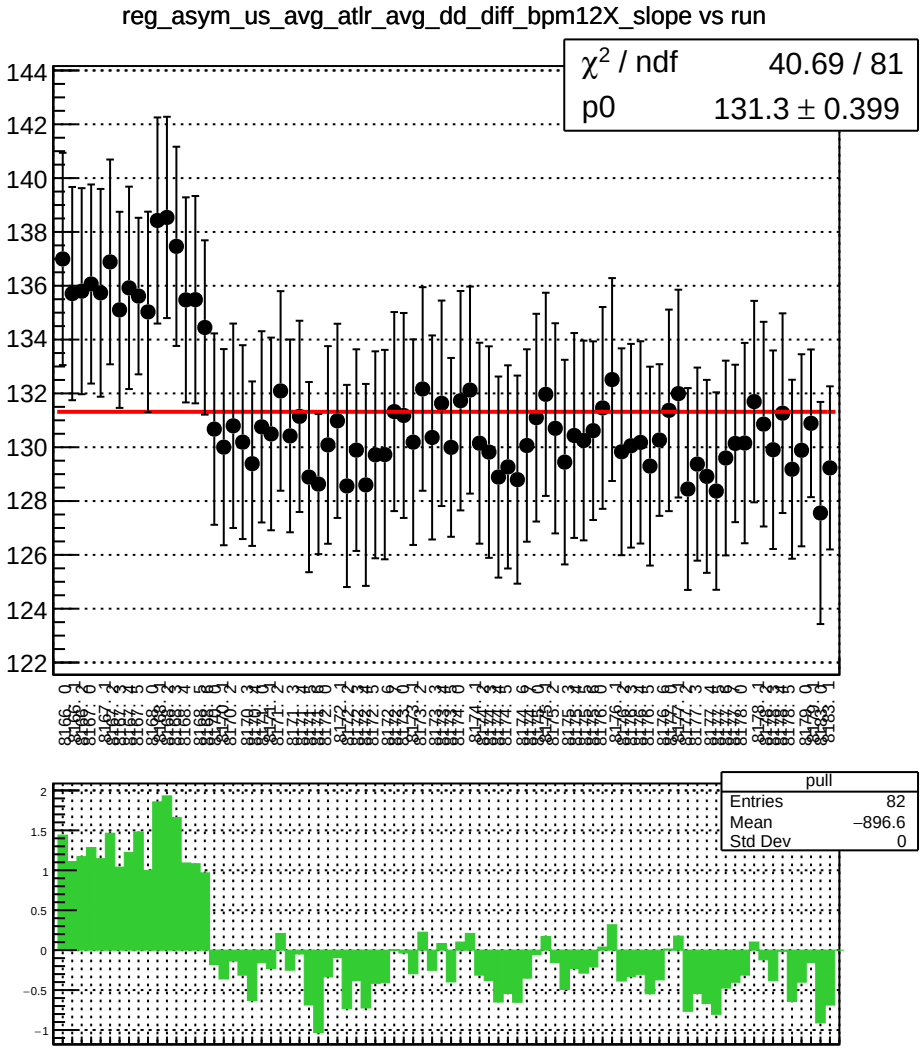

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.979 / 81
p0 −80.09 ± 7.999
pull
Entries 82
Mean 126.3
Std Dev 131
pull1D
Entries 82
Mean −0.00122
Std Dev 0.27

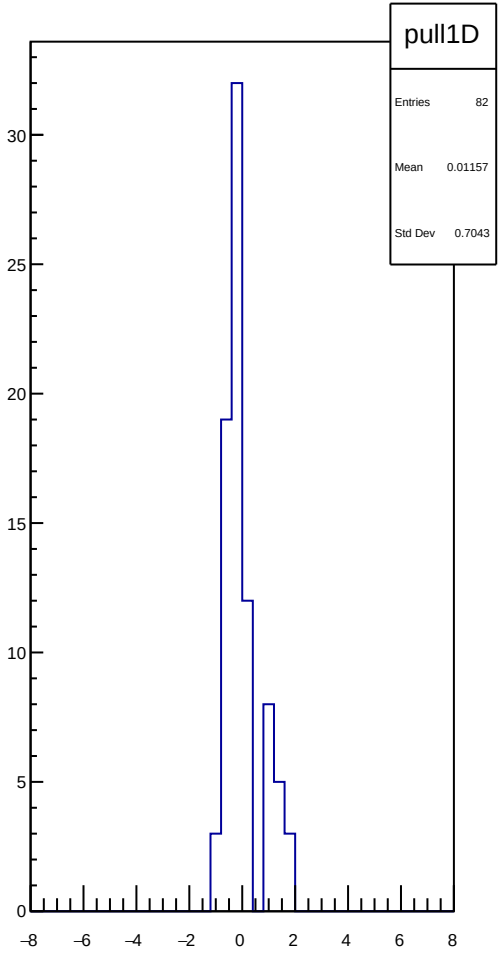

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.534 / 81
p0 −220.6 ± 4.323
pull
Entries 82
Mean −772.5
Std Dev 0

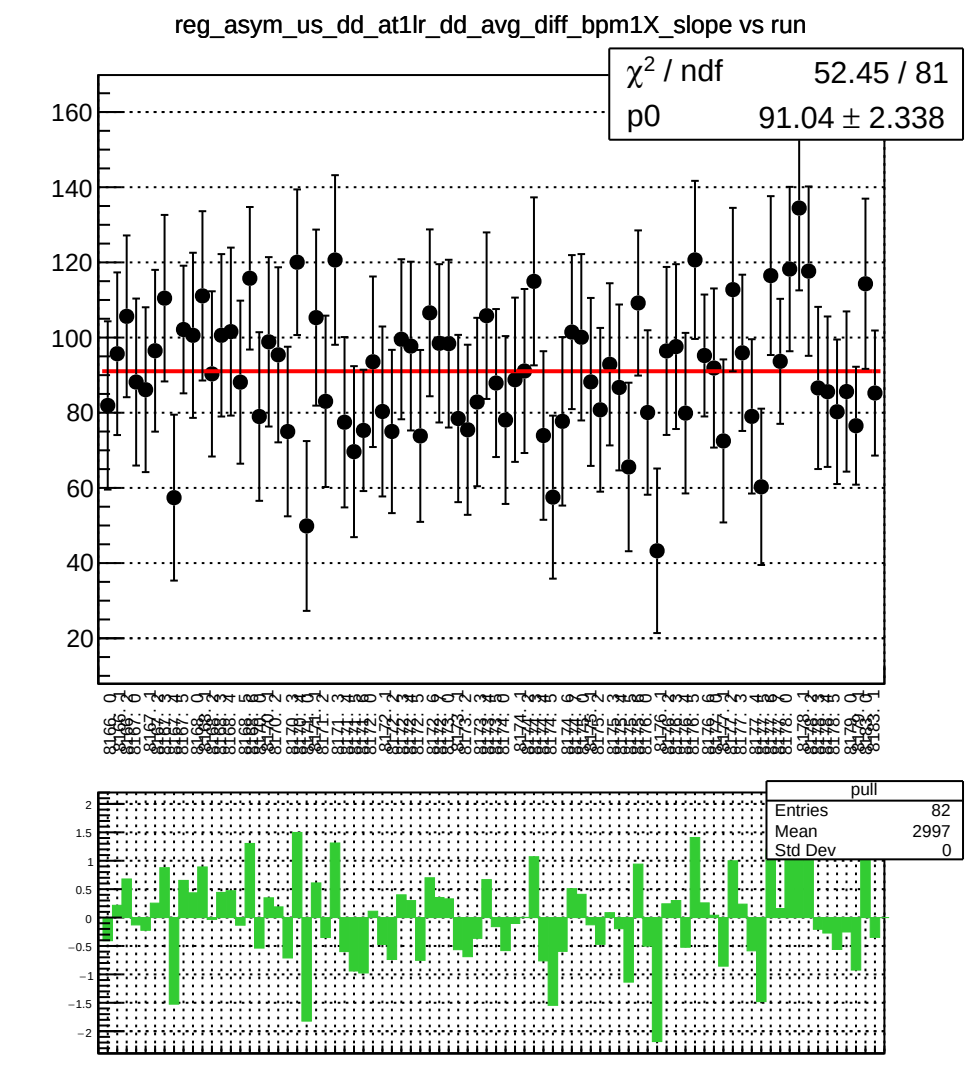

pull1D
Entries 82
Mean 0.001098
Std Dev 0.2823

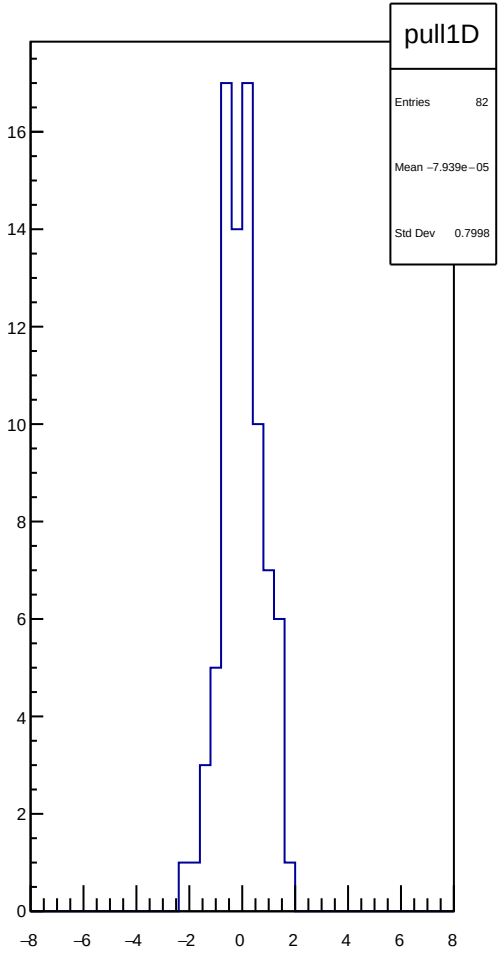

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.152 / 81
p0 35.65 ± 8.557
150
100
50
0
−50
−100
pull
Entries 82
Mean 86.37
Std Dev 128.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

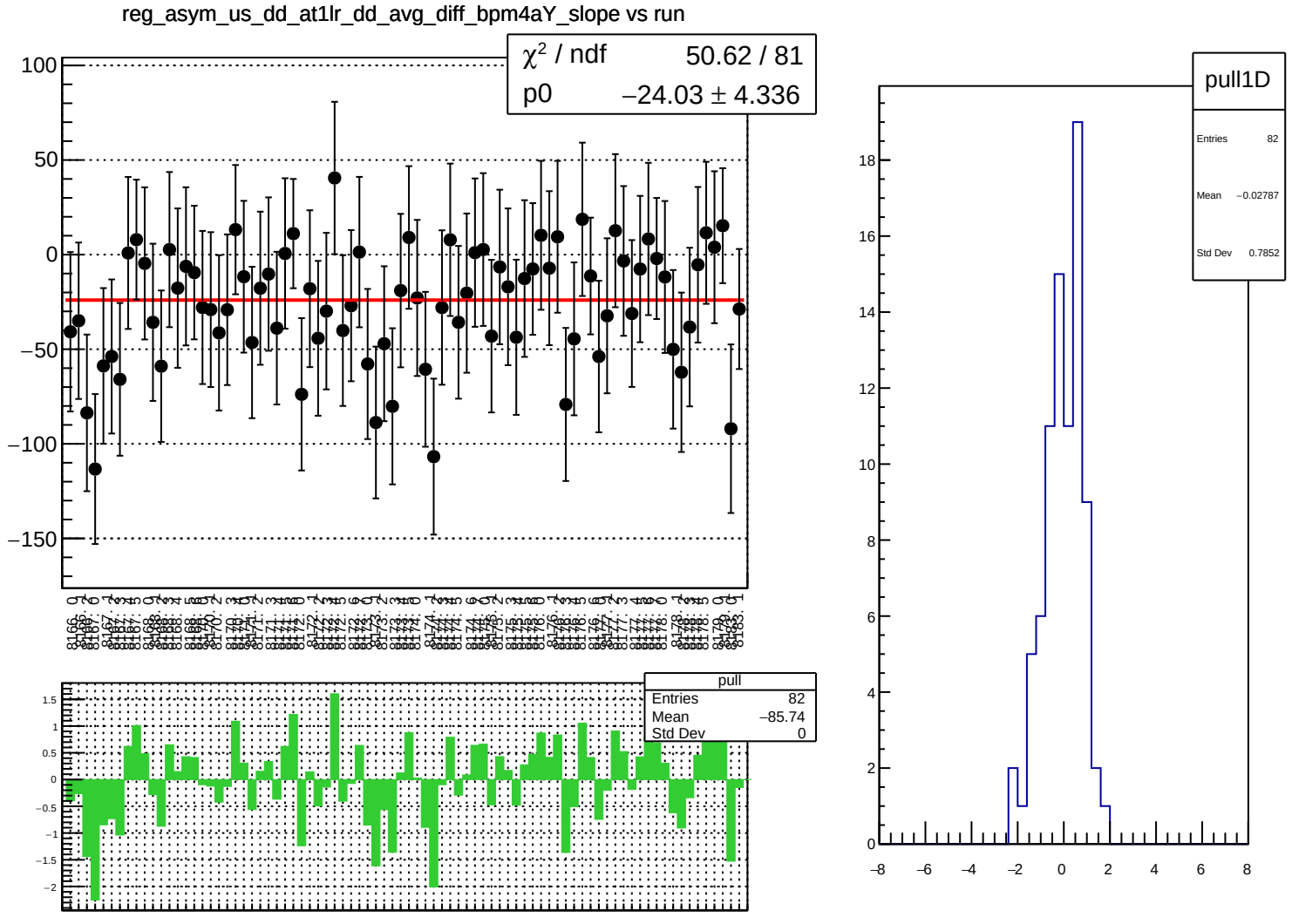

pull1D
Entries 82
Mean 0.001761
Std Dev 0.2739
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

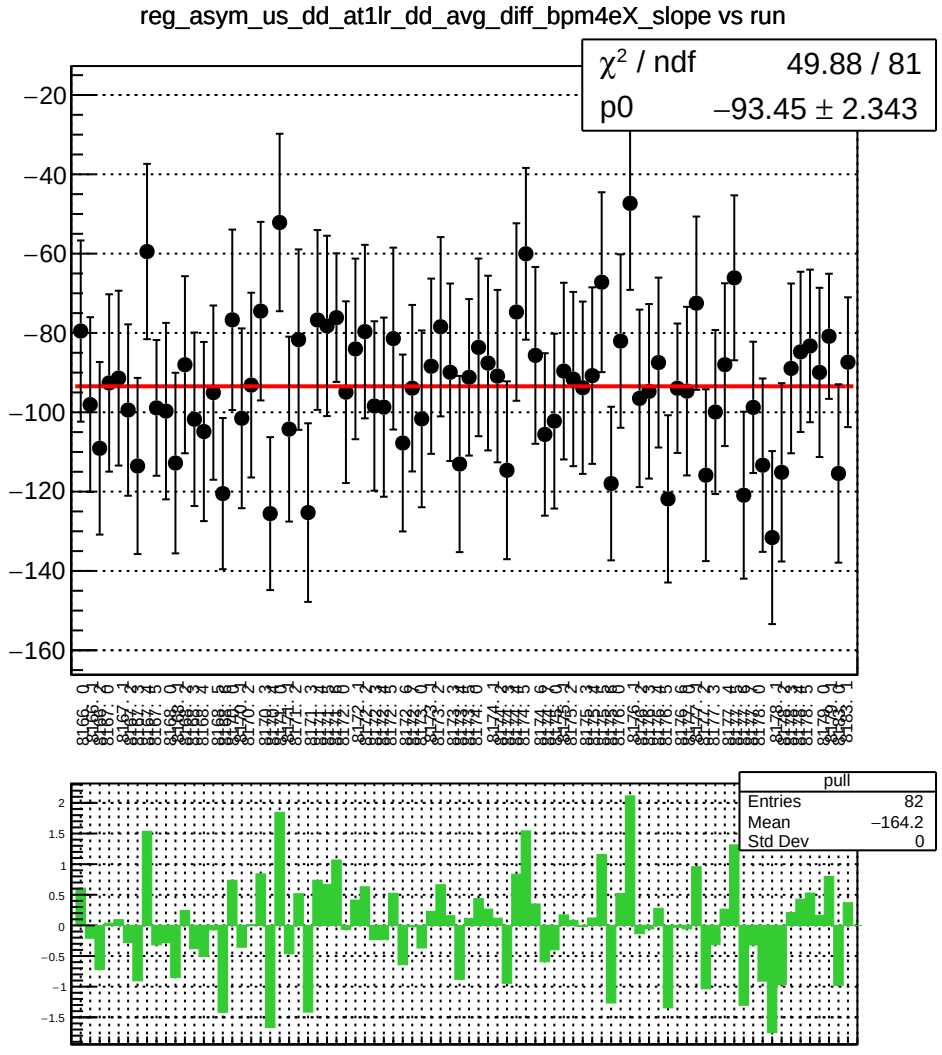

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 40.69 / 81
p0 131.3 ± 0.399
pull
Entries 82
Mean −896.6
Std Dev 0

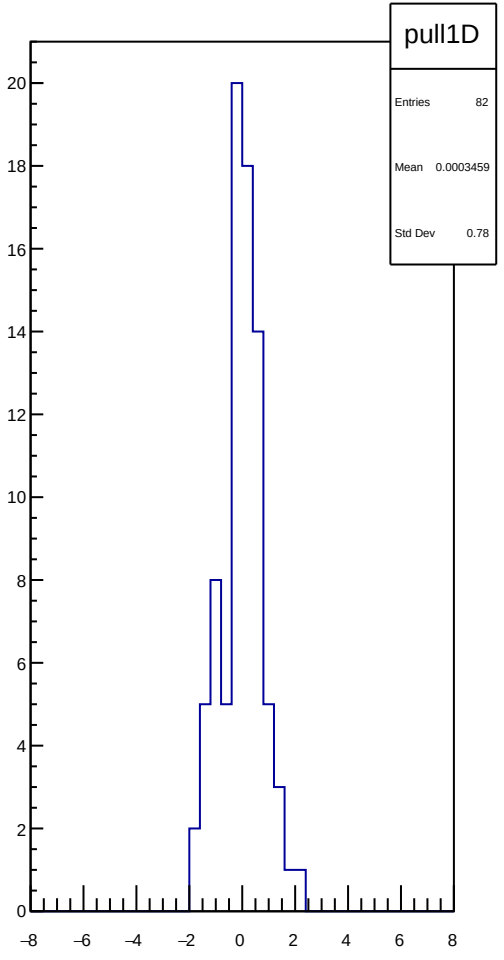

pull1D
Entries 82
Mean 0.01157
Std Dev 0.7043

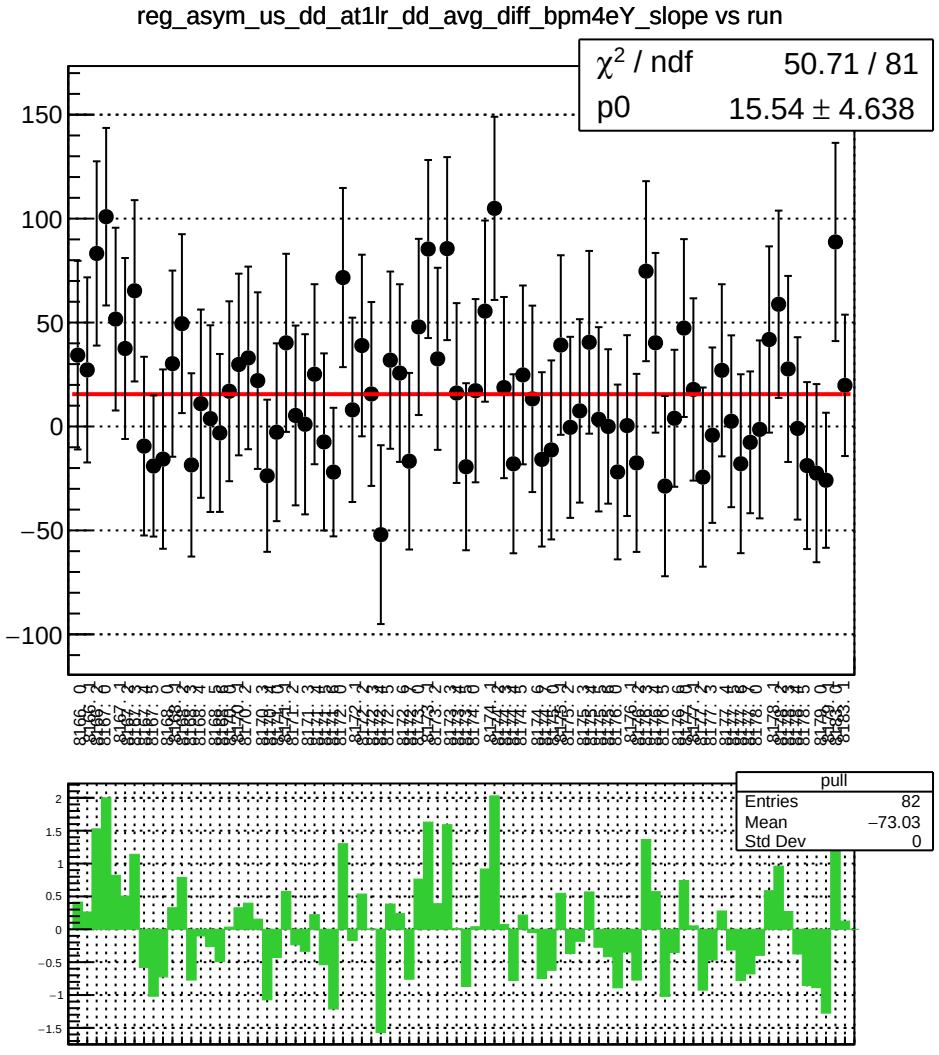

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 52.45 / 81
p0 91.04 ± 2.338
pull
Entries 82
Mean 2997
Std Dev 0

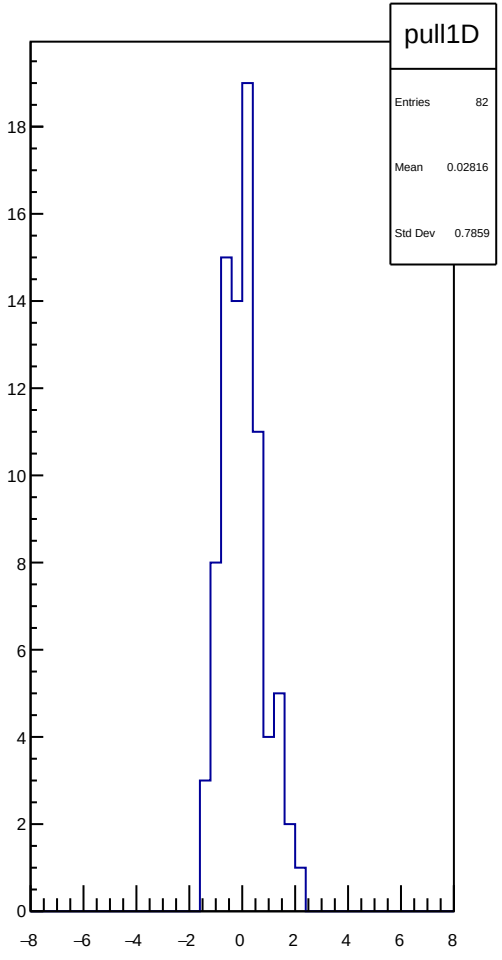

pull1D
Entries 82
Mean −7.939e−05
Std Dev 0.7998

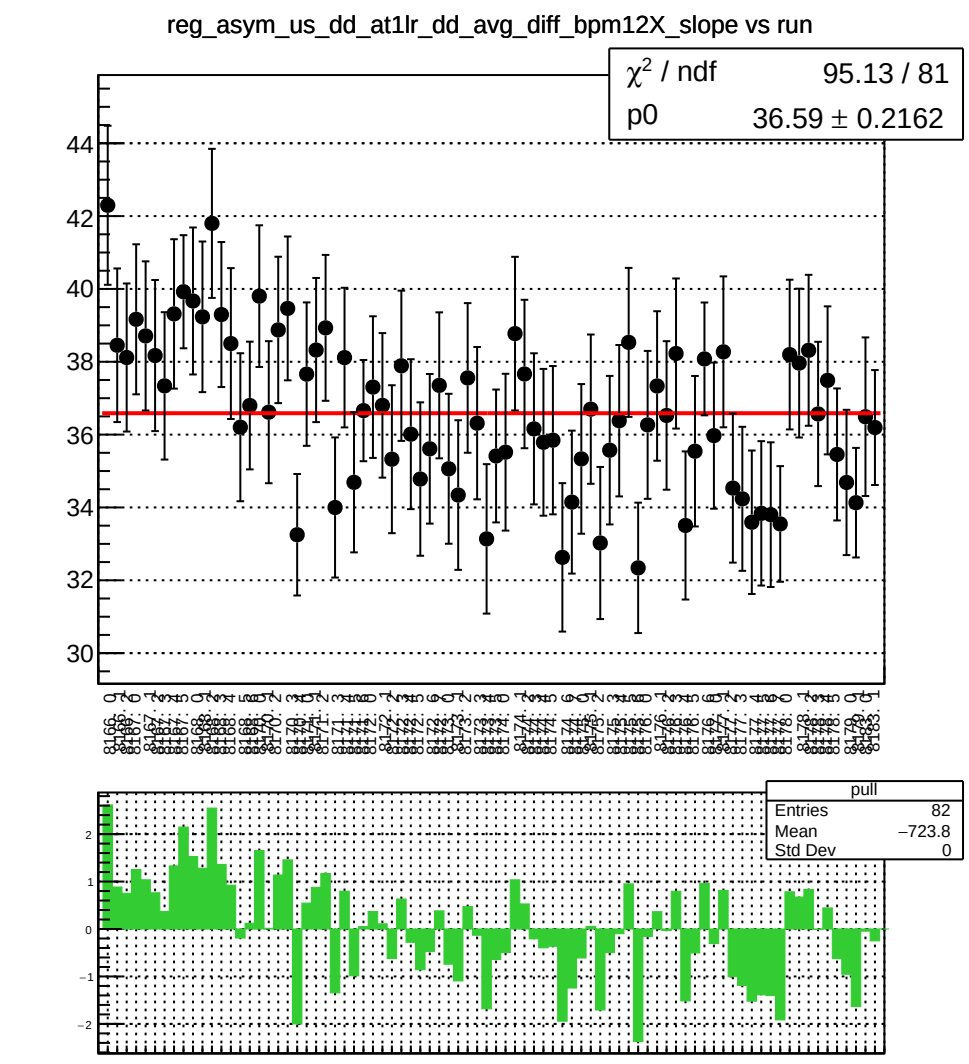

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.62 / 81
p0 −24.03 ± 4.336
pull
Entries 82
Mean −85.74
Std Dev 0
pull1D
Entries 82
Mean −0.02787
Std Dev 0.7852

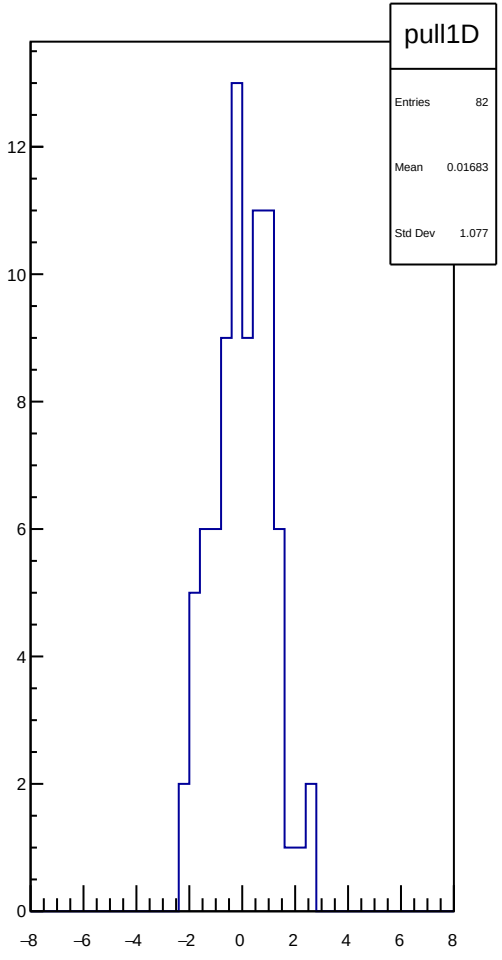

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.88 / 81
p0 −93.45 ± 2.343
pull
Entries 82
Mean −164.2
Std Dev 0

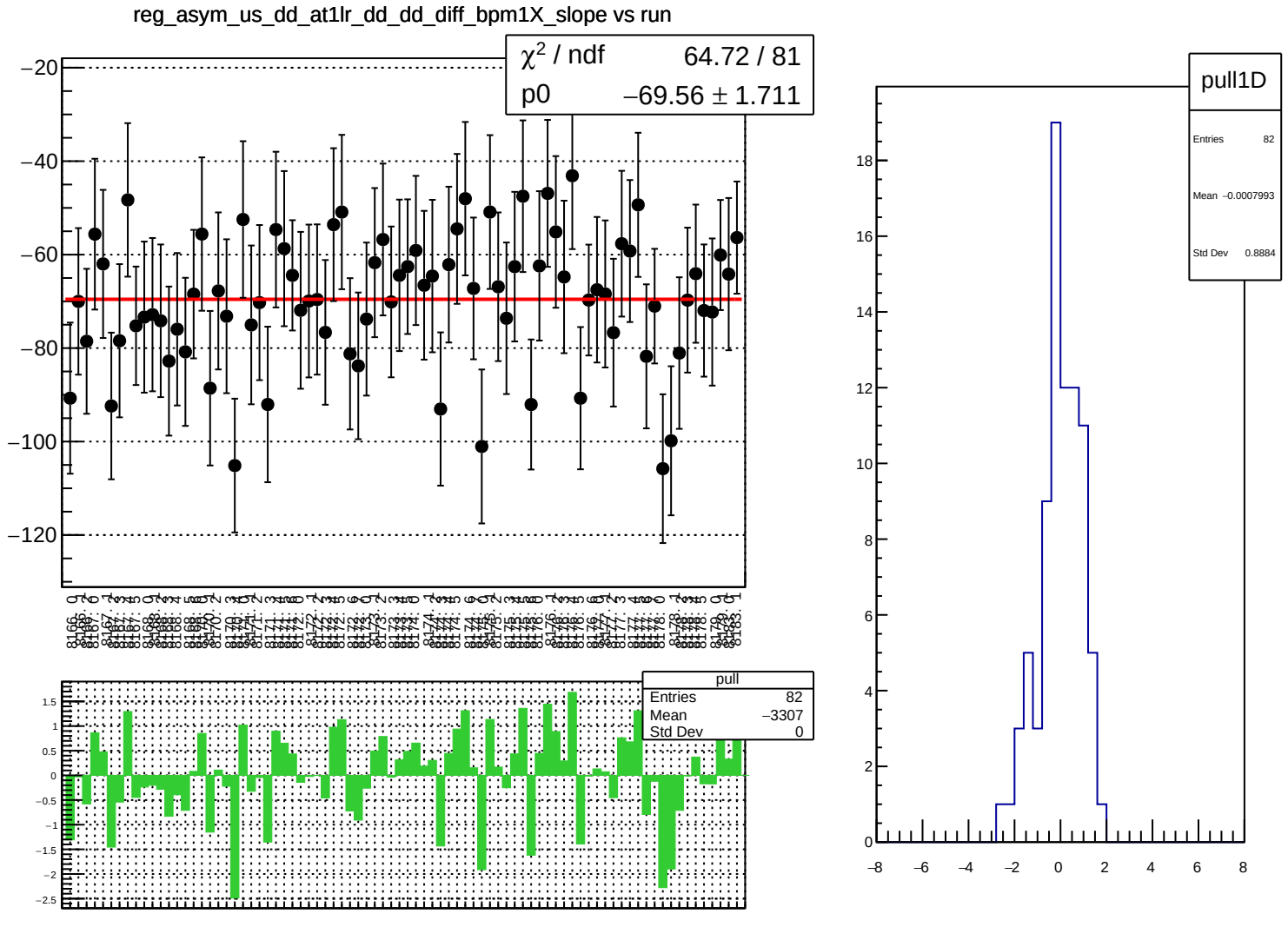

pull1D
Entries 82
Mean 0.0003459
Std Dev 0.78

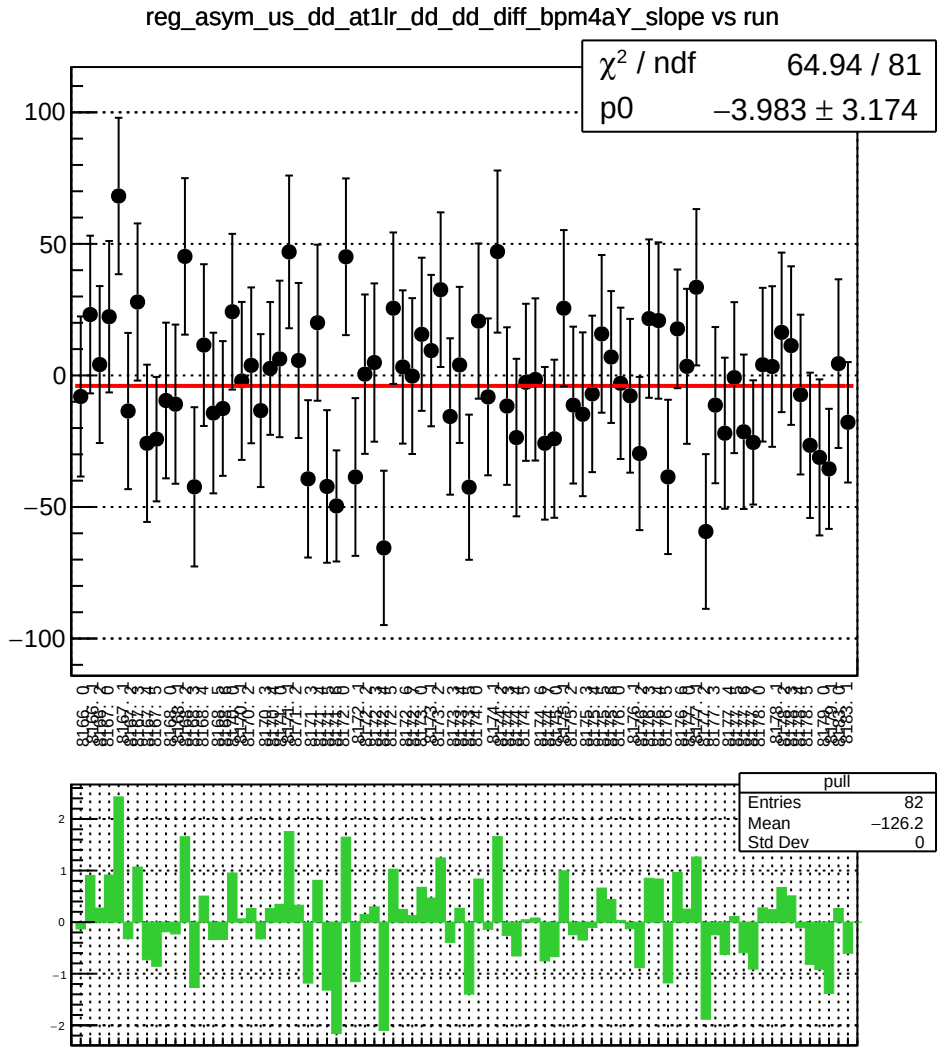

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.71 / 81
p0 15.54 ± 4.638
150
100
50
0
−50
−100
pull
Entries 82
Mean −73.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

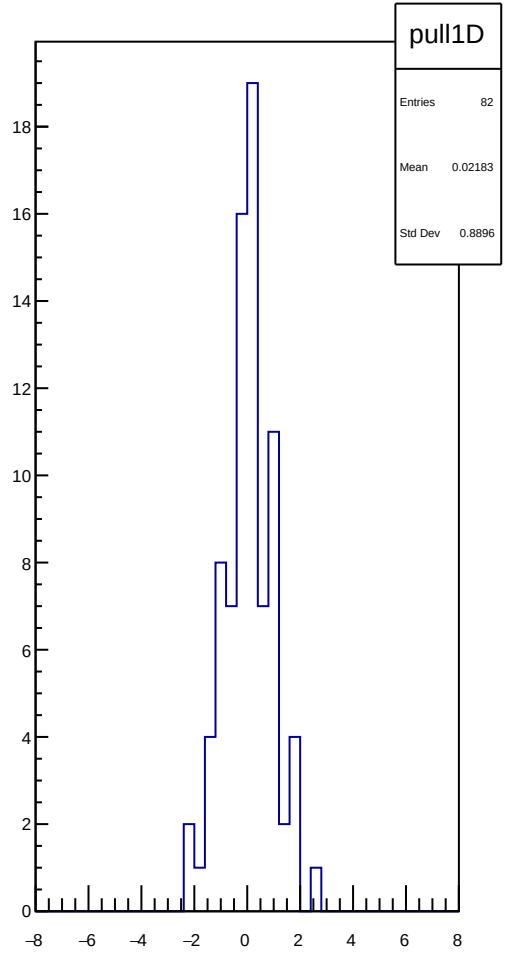

pull1D
Entries 82
Mean 0.02816
Std Dev 0.7859
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

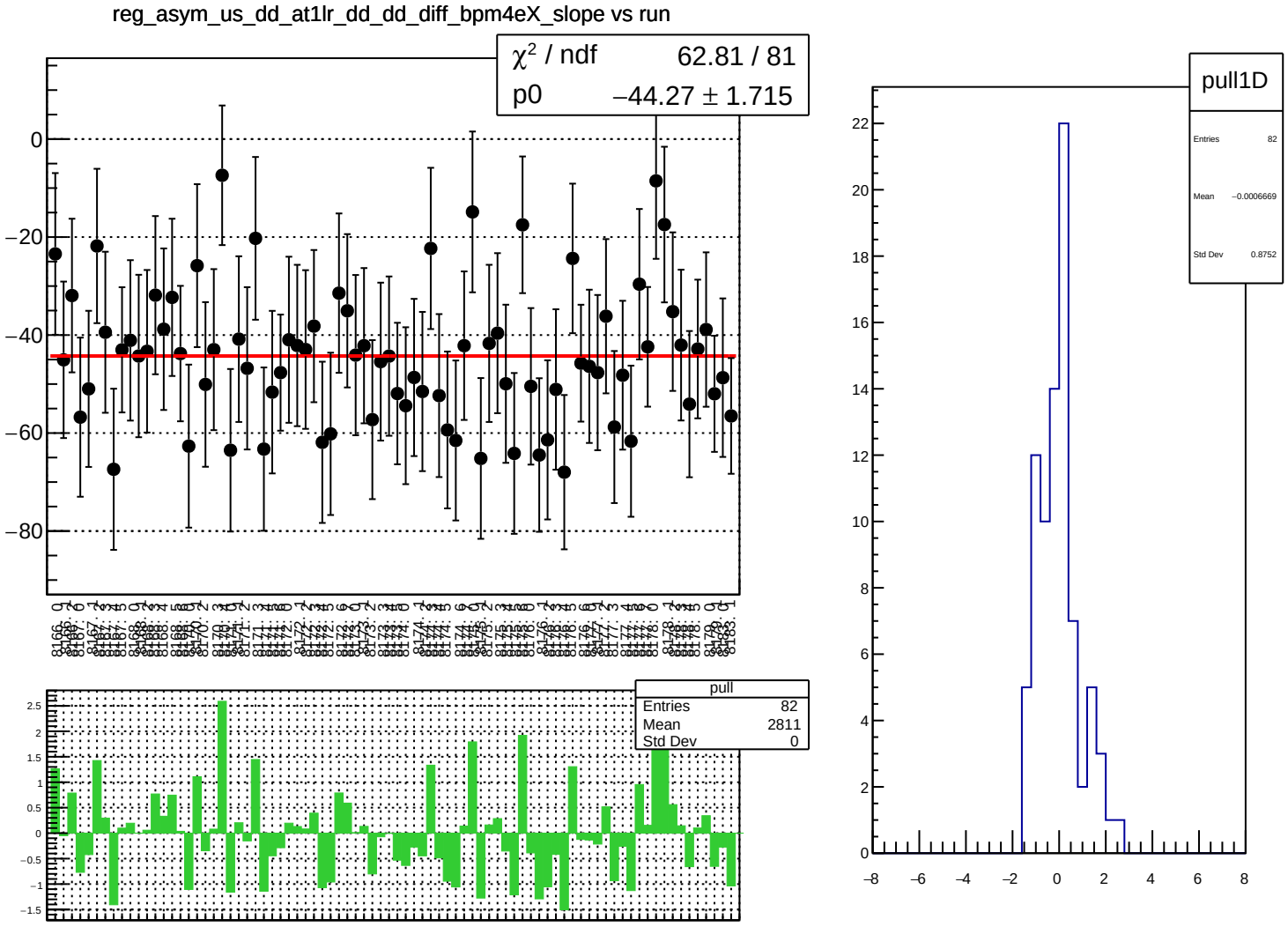

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 95.13 / 81
p0 36.59 ± 0.2162
pull
Entries 82
Mean −723.8
Std Dev 0

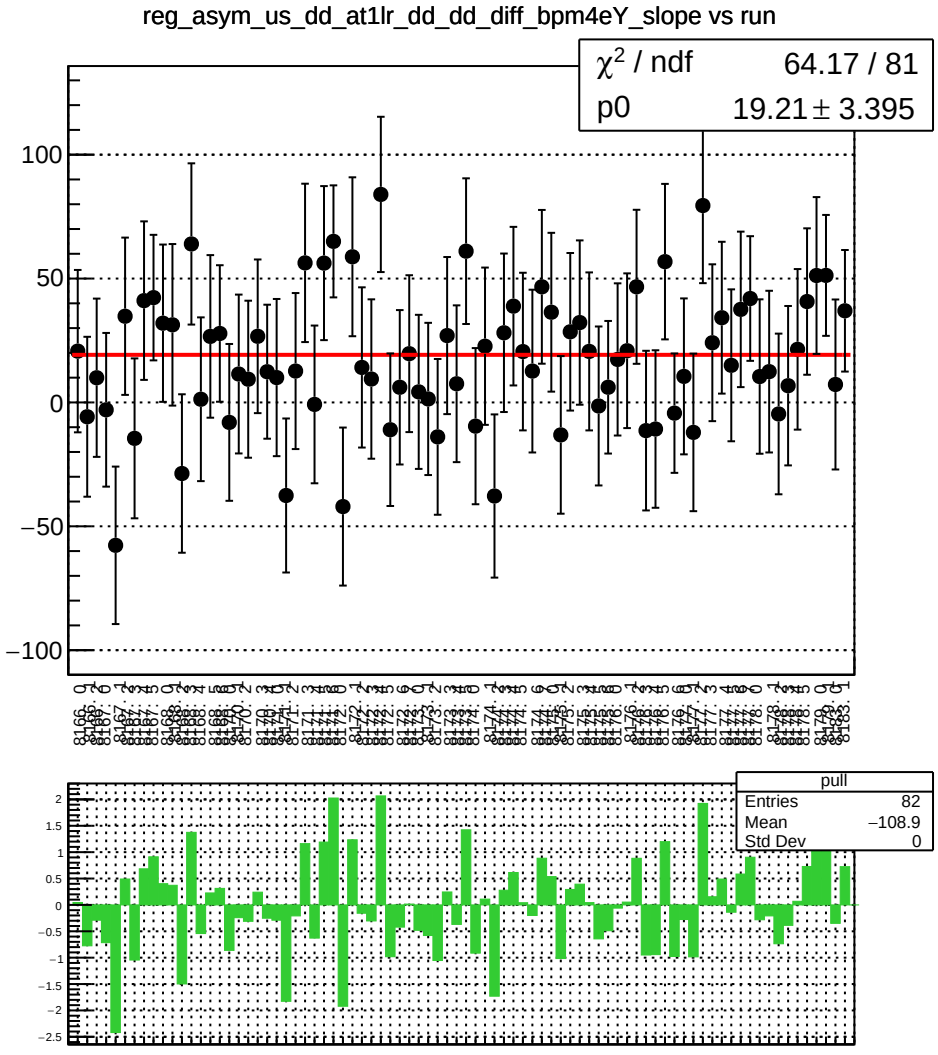

pull1D
Entries 82
Mean 0.01683
Std Dev 1.077

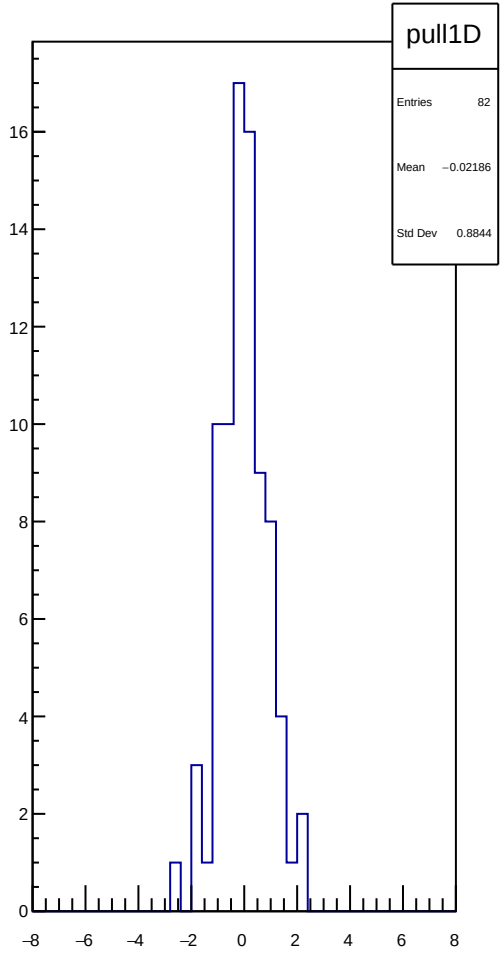

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 64.72 / 81
p0 −69.56 ± 1.711
pull
Entries 82
Mean −3307
Std Dev 0
pull1D
Entries 82
Mean −0.0007993
Std Dev 0.8884

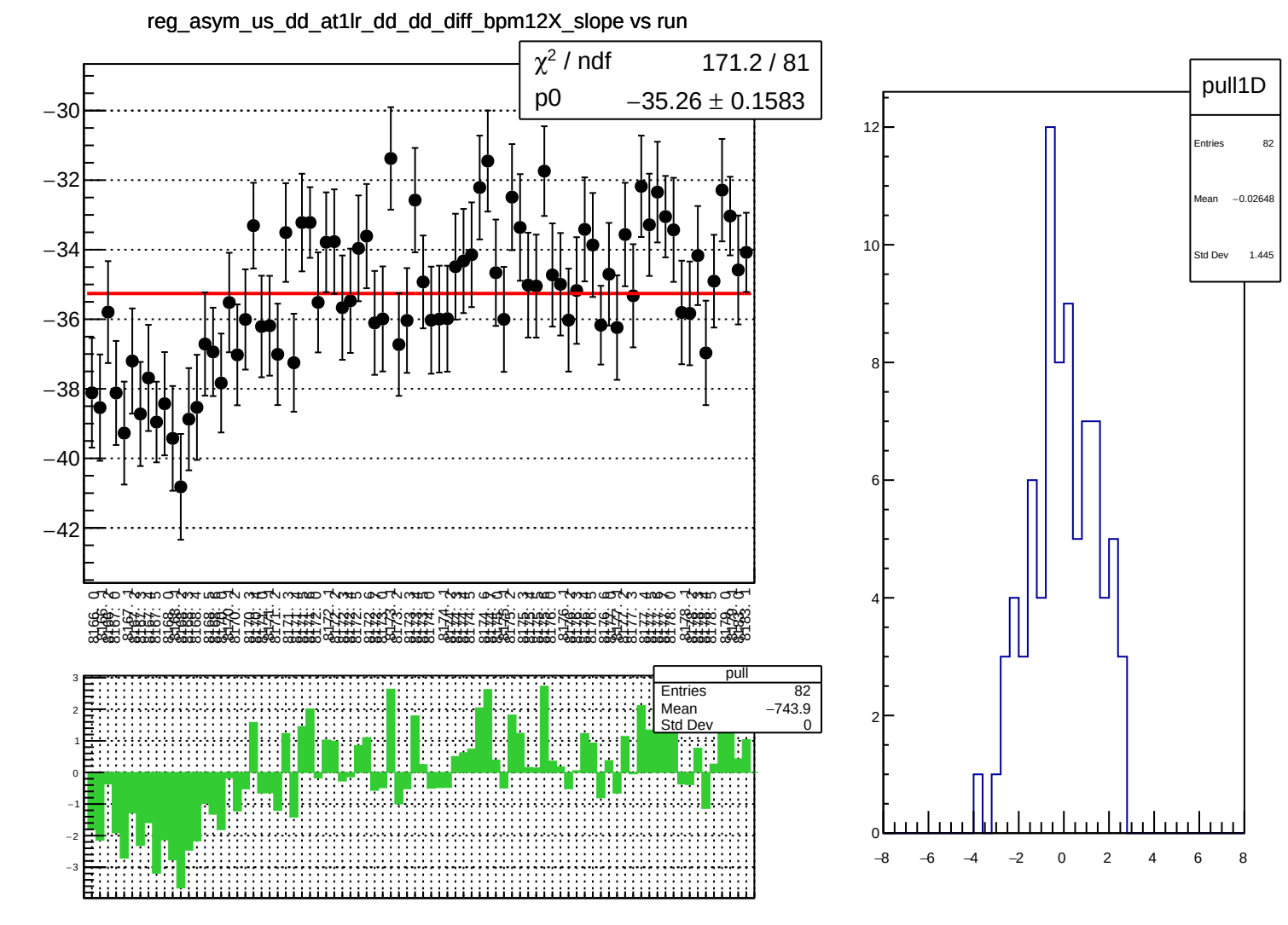

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.94 / 81
p0 −3.983 ± 3.174
pull
Entries 82
Mean −126.2
Std Dev 0

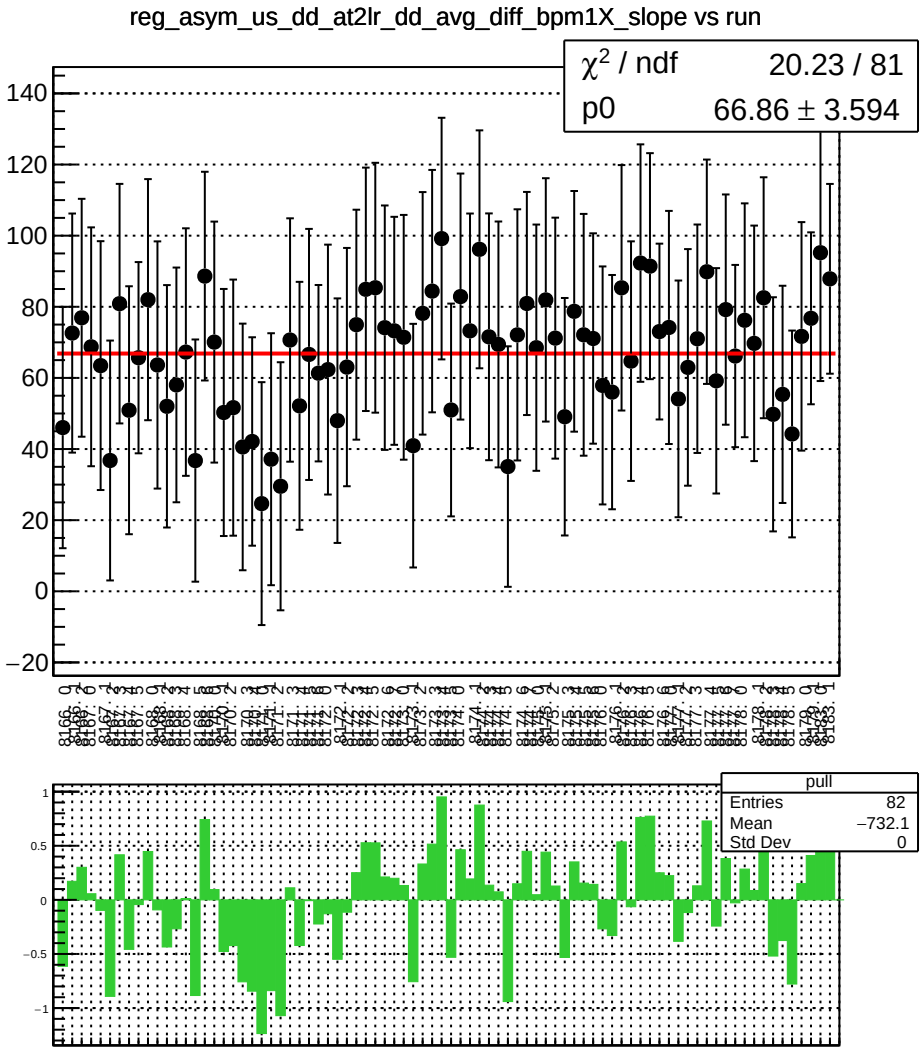

pull1D
Entries 82
Mean 0.02183
Std Dev 0.8896

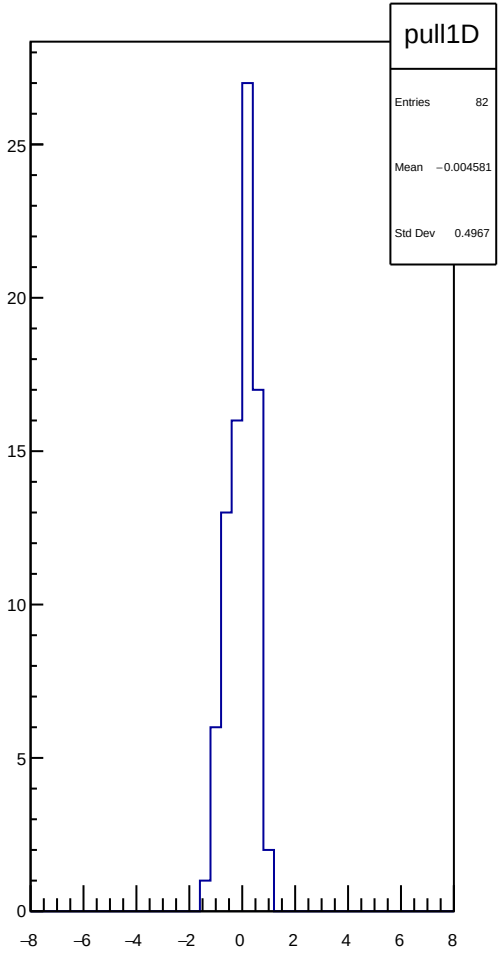

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.81 / 81
p0 −44.27 ± 1.715
pull
Entries 82
Mean 2811
Std Dev 0
pull1D
Entries 82
Mean −0.0006669
Std Dev 0.8752

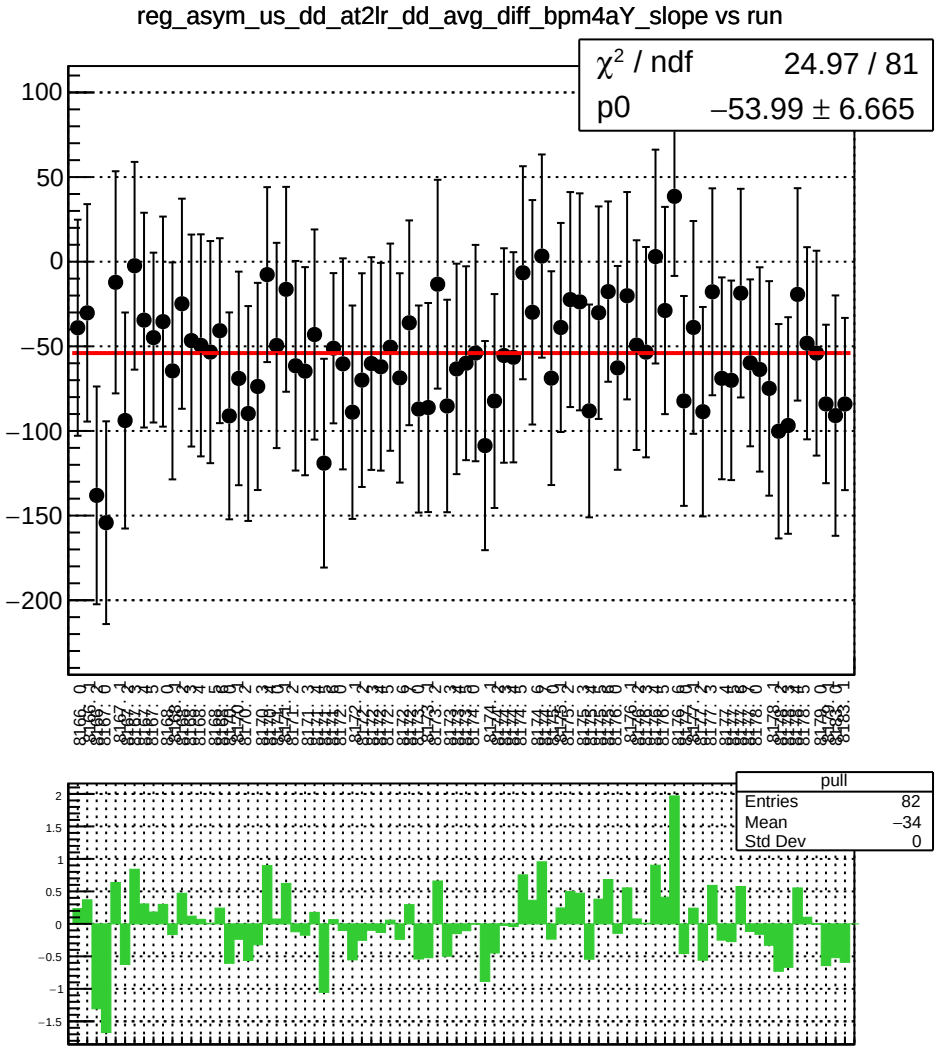

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.17 / 81
p0 19.21 ± 3.395
100
50
0
−50
−100
pull
Entries 82
Mean −108.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

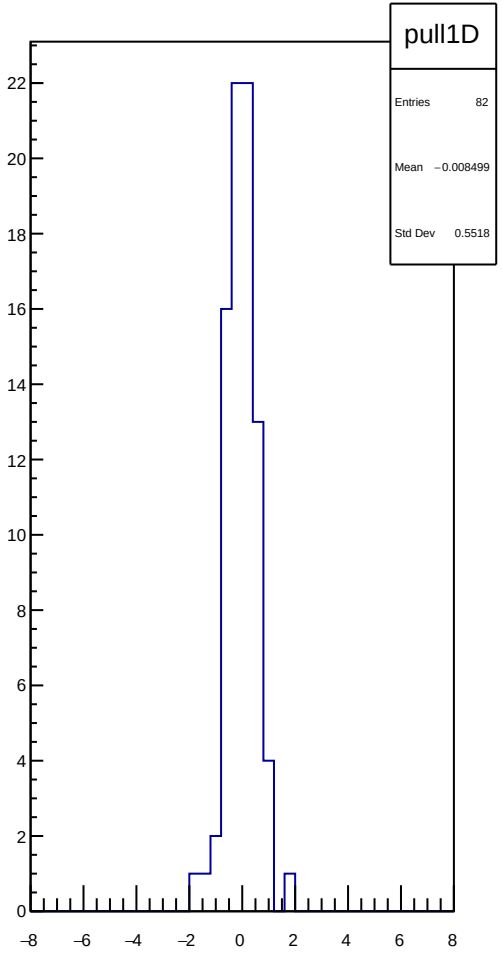

pull1D
Entries 82
Mean −0.02186
Std Dev 0.8844
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

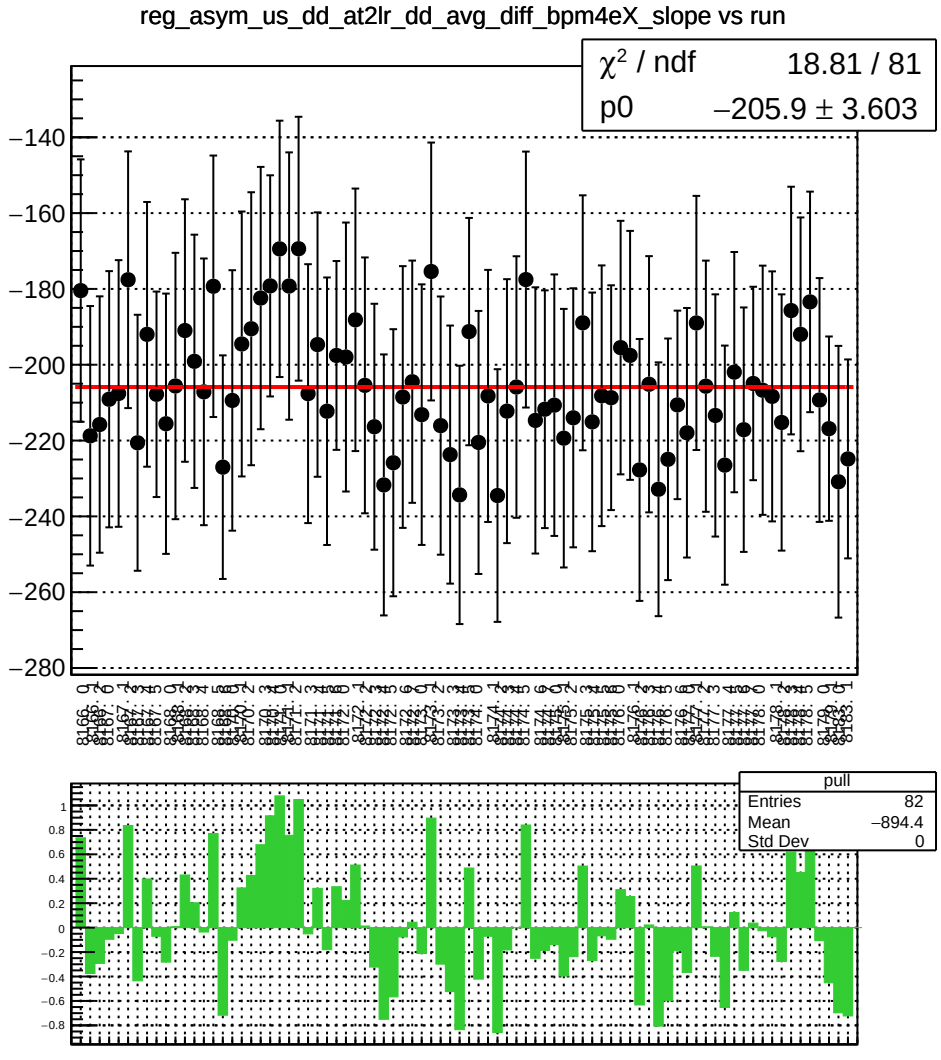

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 171.2 / 81
p0 −35.26 ± 0.1583
pull
Entries 82
Mean −743.9
Std Dev 0
pull1D
Entries 82
Mean −0.02648
Std Dev 1.445

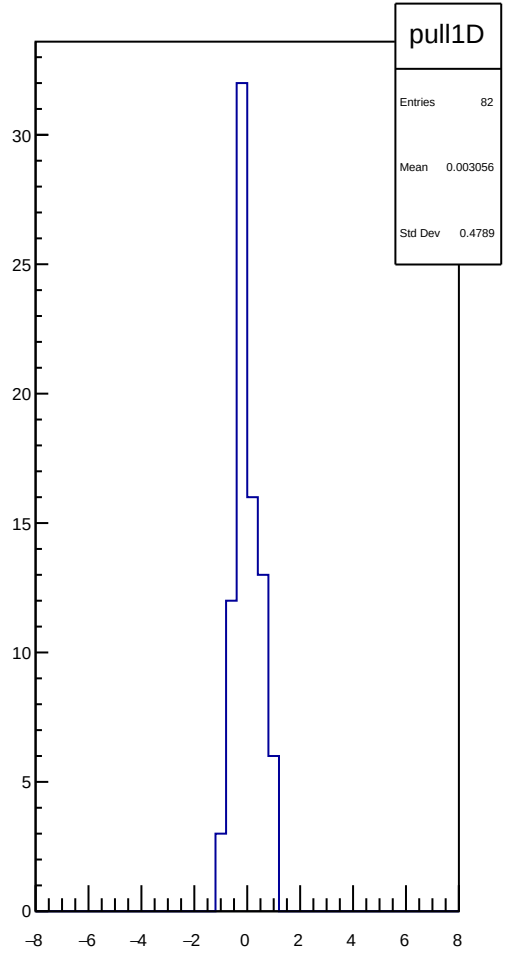

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 20.23 / 81
p0 66.86 ± 3.594
pull
Entries 82
Mean −732.1
Std Dev 0

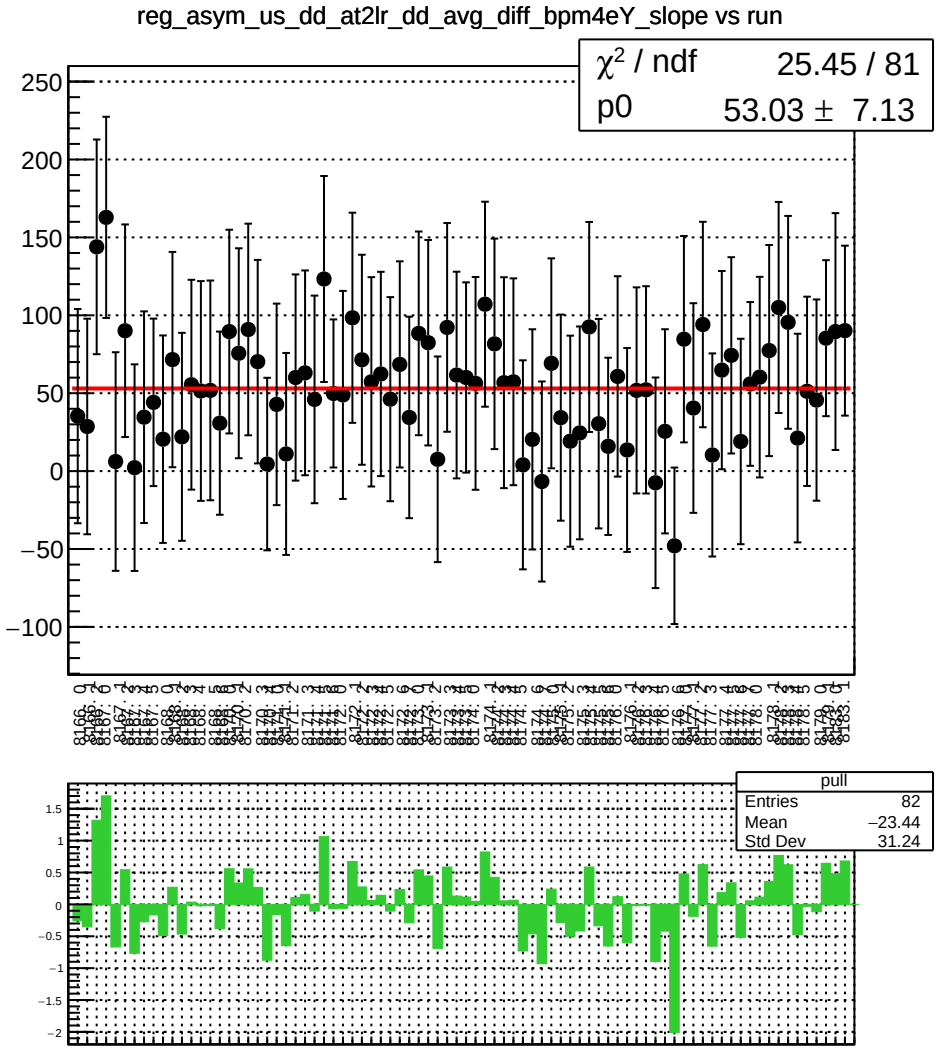

pull1D
Entries 82
Mean −0.004581
Std Dev 0.4967

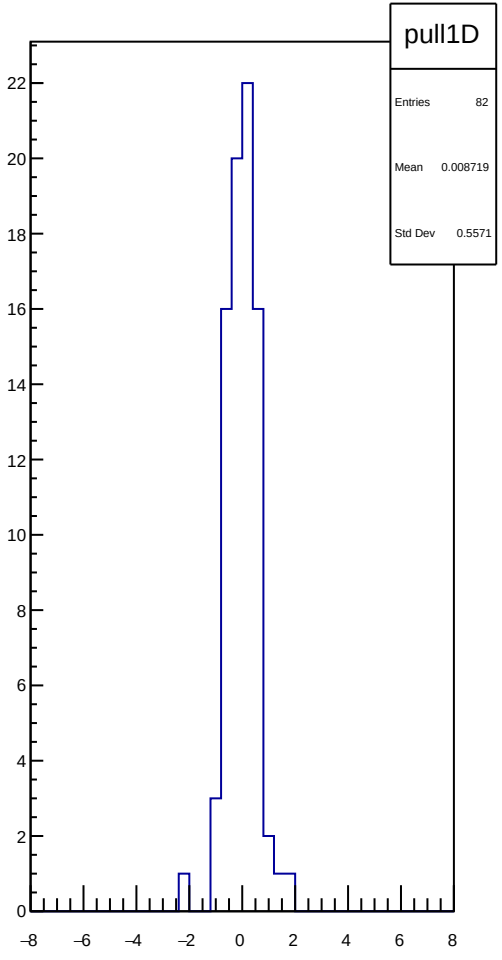

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.97 / 81
p0 −53.99 ± 6.665
pull
Entries 82
Mean −34
Std Dev 0

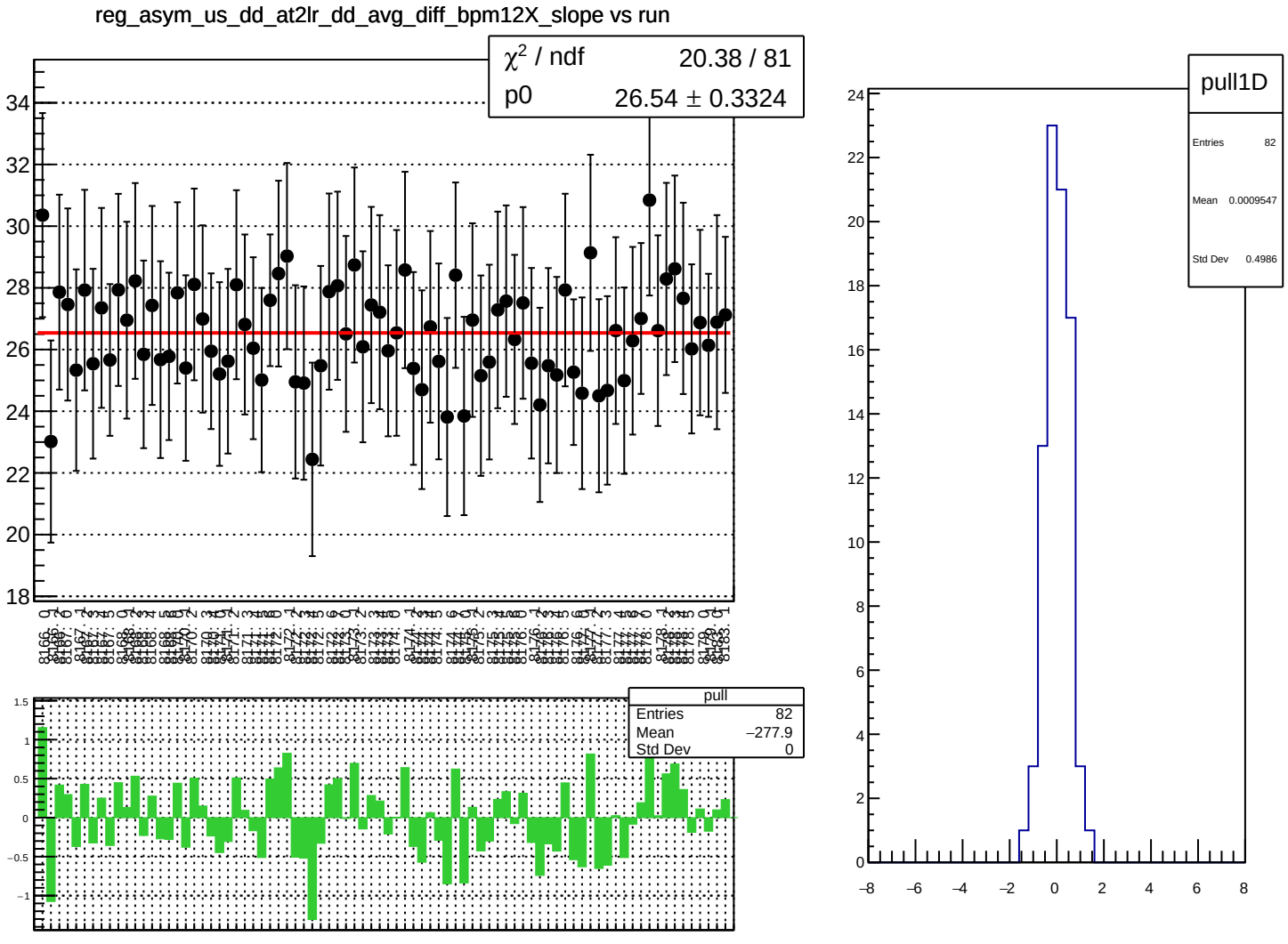

pull1D
Entries 82
Mean −0.008499
Std Dev 0.5518

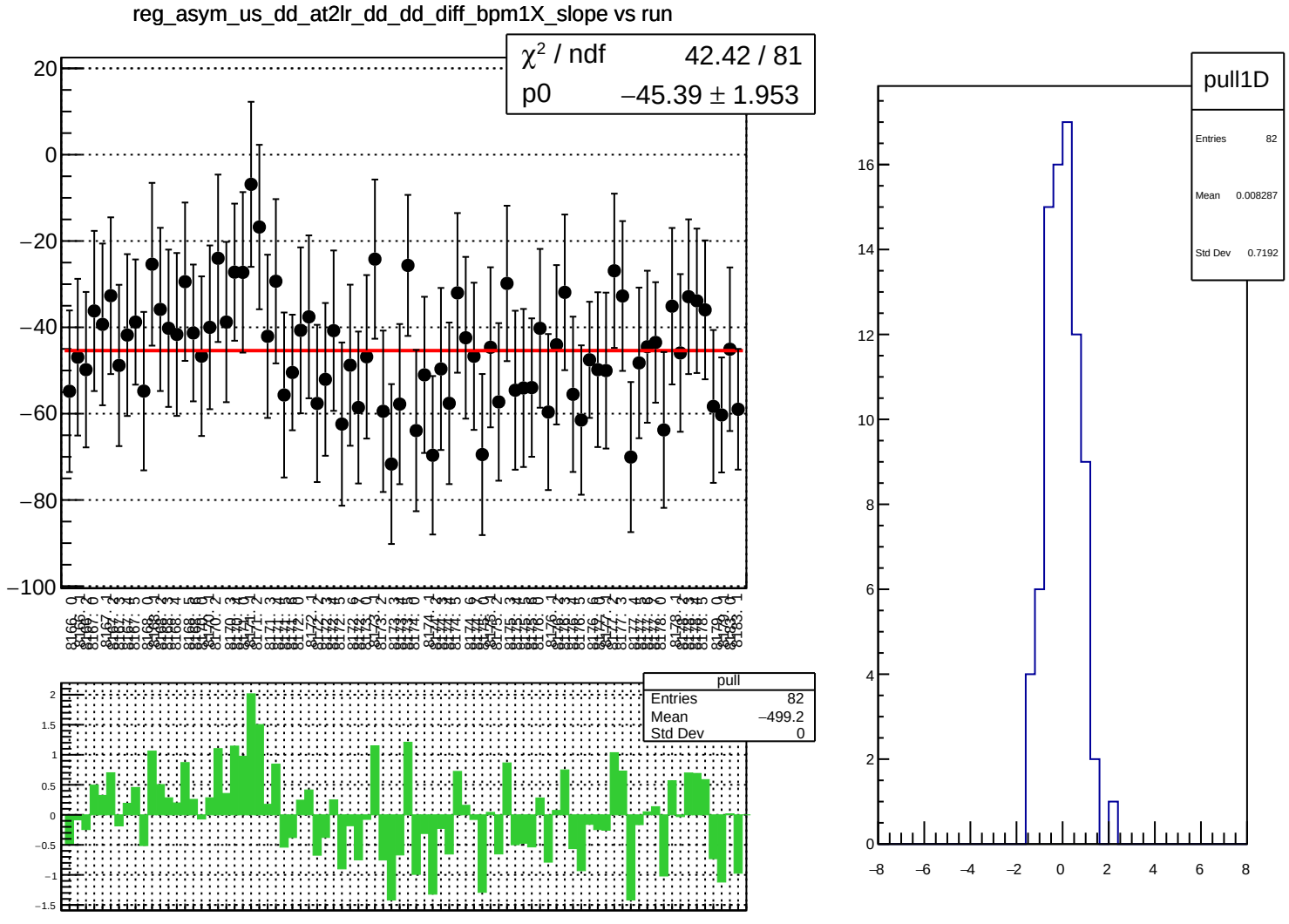

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.81 / 81
p0 −205.9 ± 3.603
pull
Entries 82
Mean −894.4
Std Dev 0

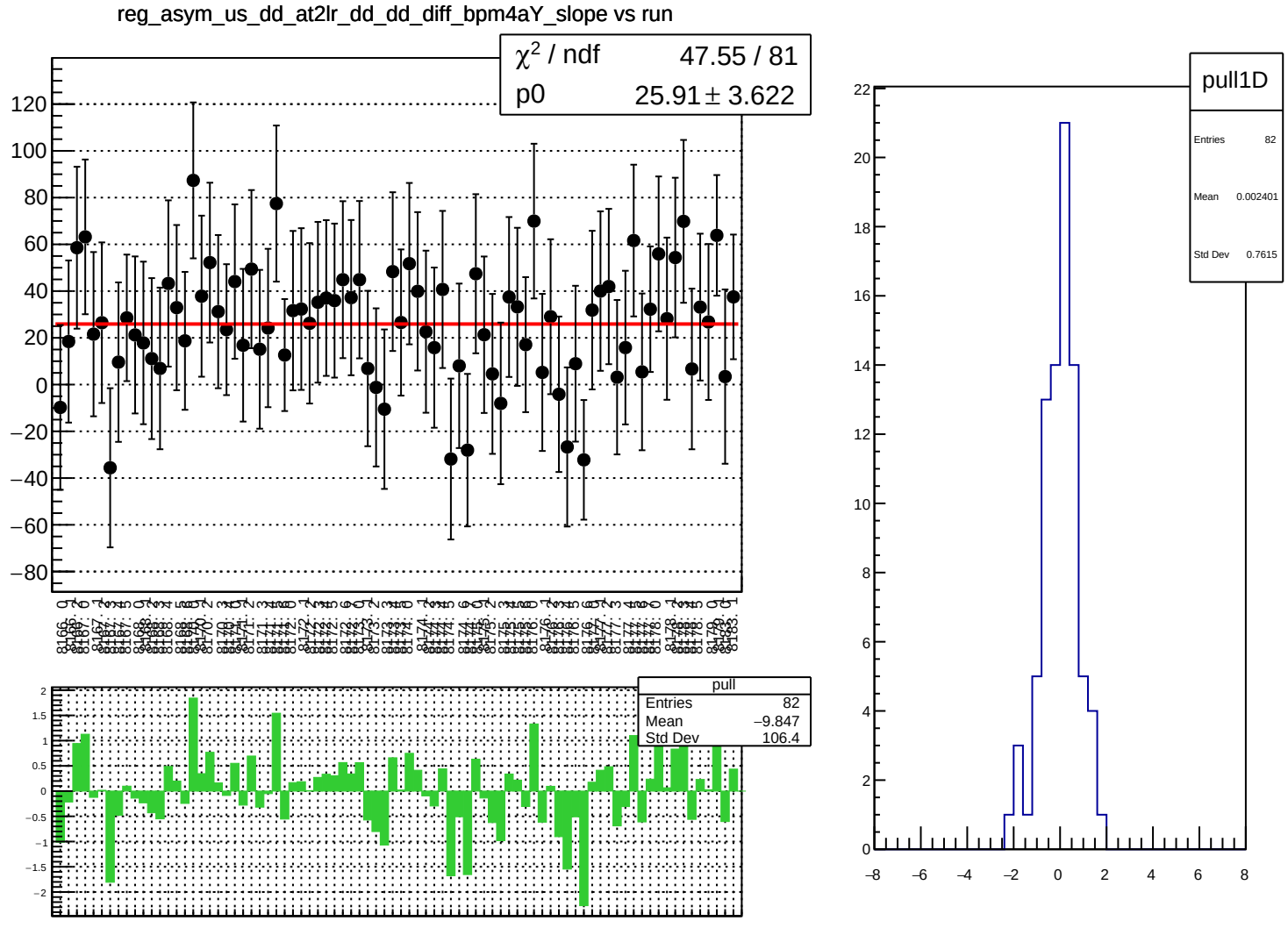

pull1D
Entries 82
Mean 0.003056
Std Dev 0.4789

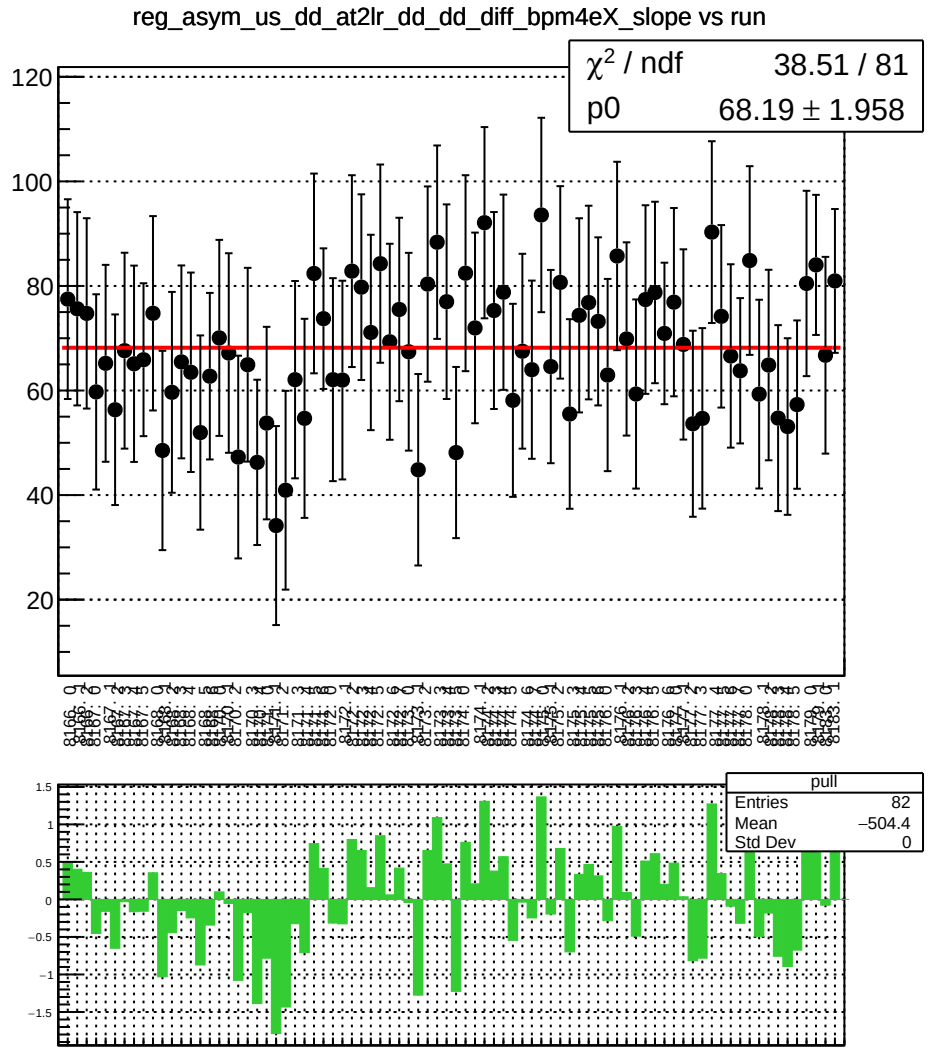

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.45 / 81
p0 53.03 ± 7.13
pull
Entries 82
Mean −23.44
Std Dev 31.24

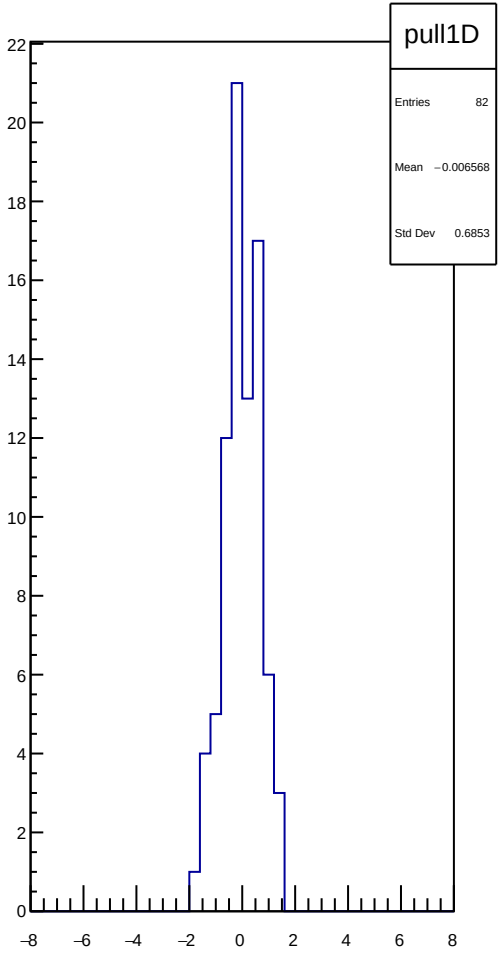

pull1D
Entries 82
Mean 0.008719
Std Dev 0.5571

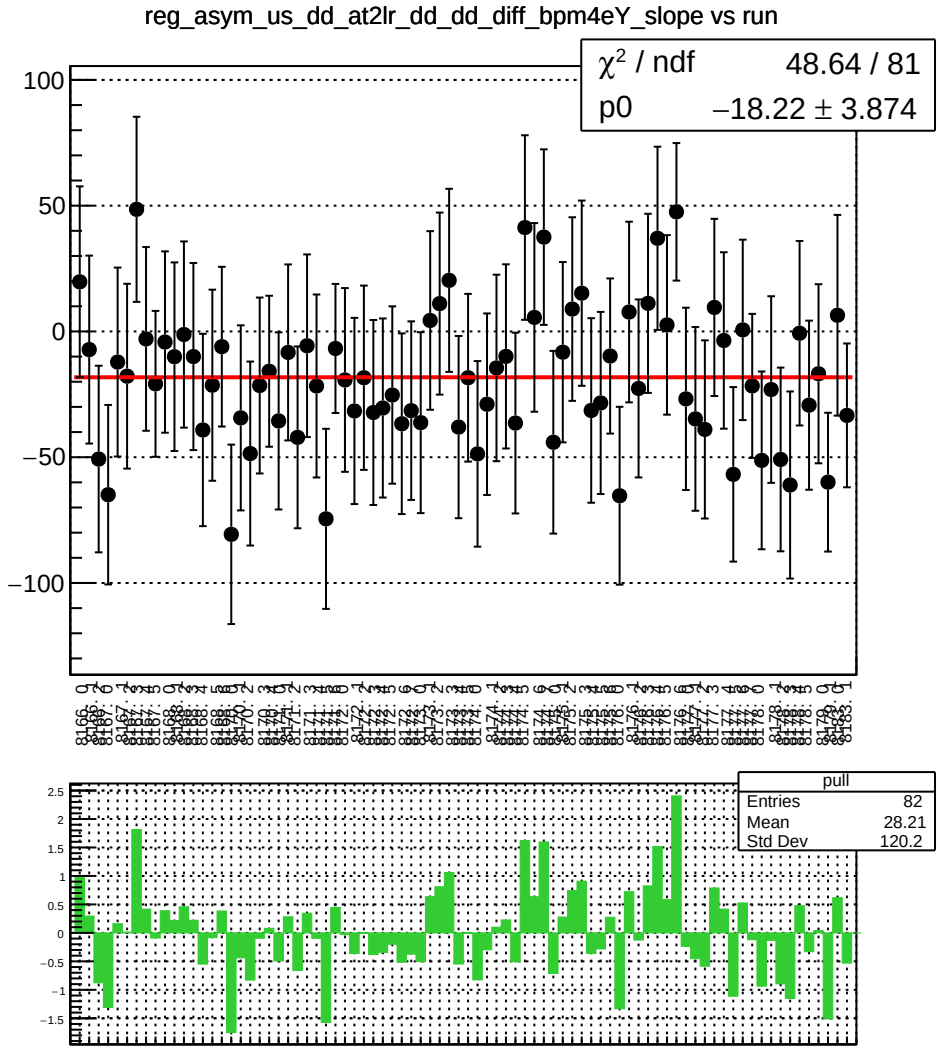

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 20.38 / 81
p0 26.54 ± 0.3324
pull
Entries 82
Mean −277.9
Std Dev 0
pull1D
Entries 82
Mean 0.0009547
Std Dev 0.4986

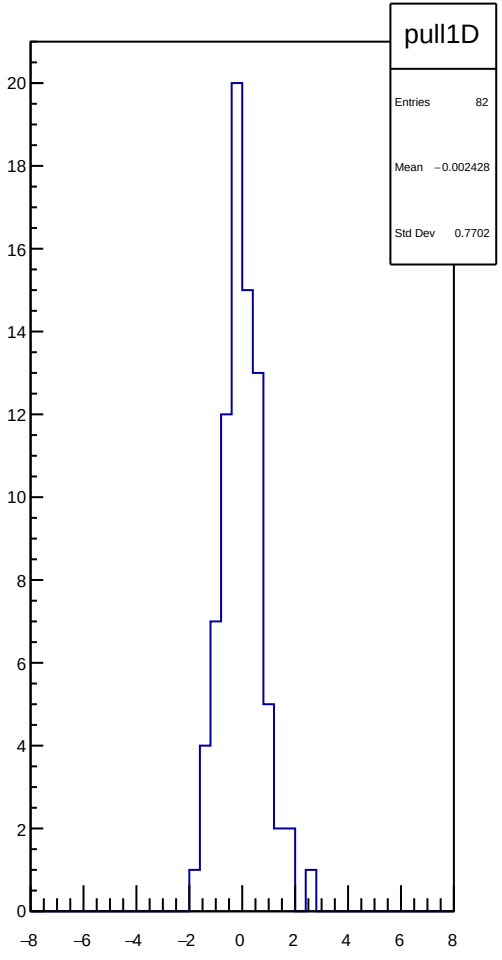

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 42.42 / 81
p0 −45.39 ± 1.953
pull
Entries 82
Mean −499.2
Std Dev 0
pull1D
Entries 82
Mean 0.008287
Std Dev 0.7192

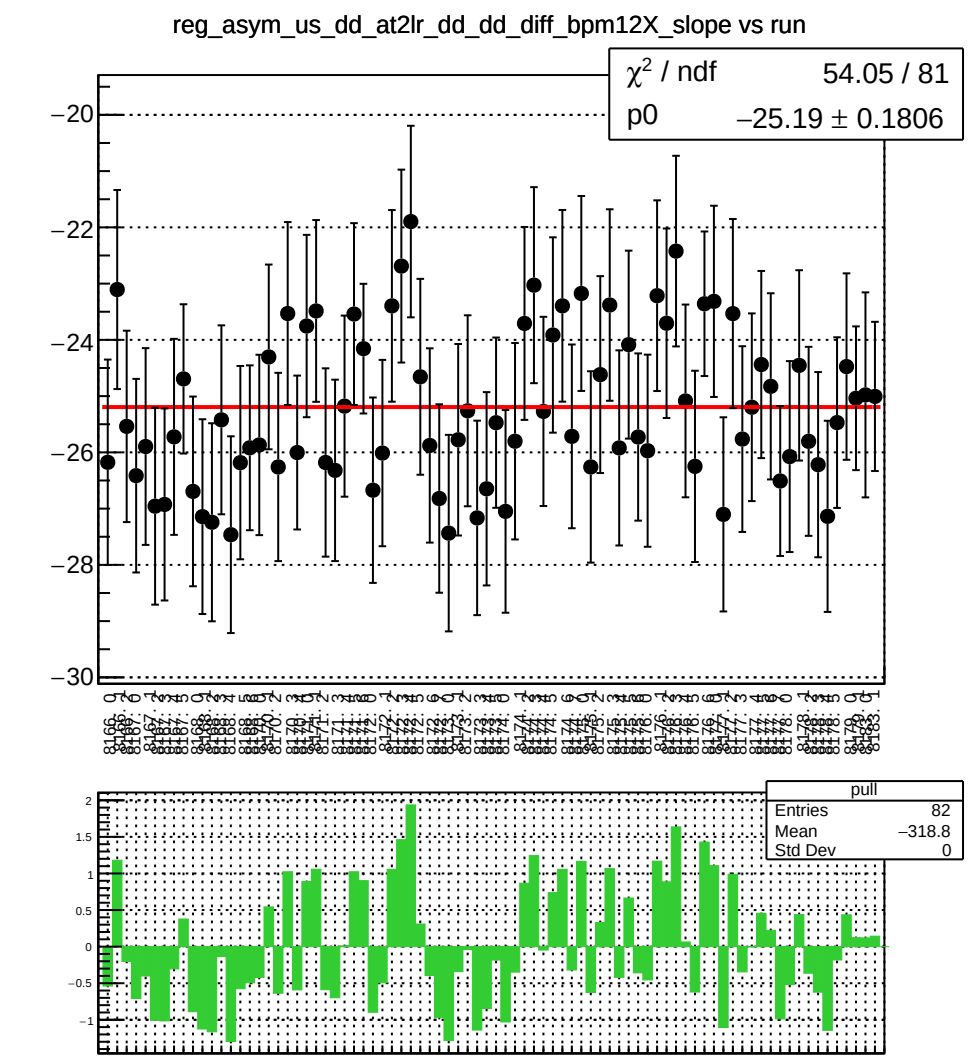

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.55 / 81
p0 25.91 ± 3.622
pull
Entries 82
Mean −9.847
Std Dev 106.4
pull1D
Entries 82
Mean 0.002401
Std Dev 0.7615

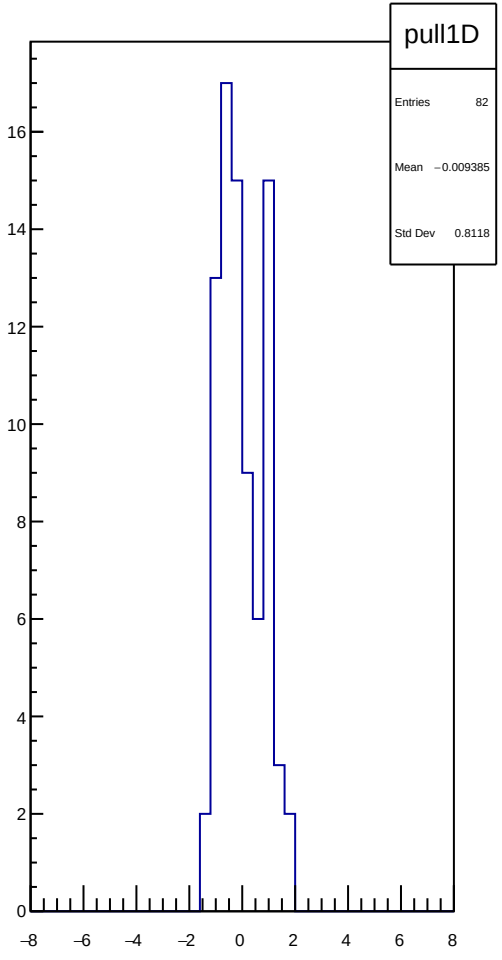

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.51 / 81
p0 68.19 ± 1.958
pull
Entries 82
Mean −504.4
Std Dev 0

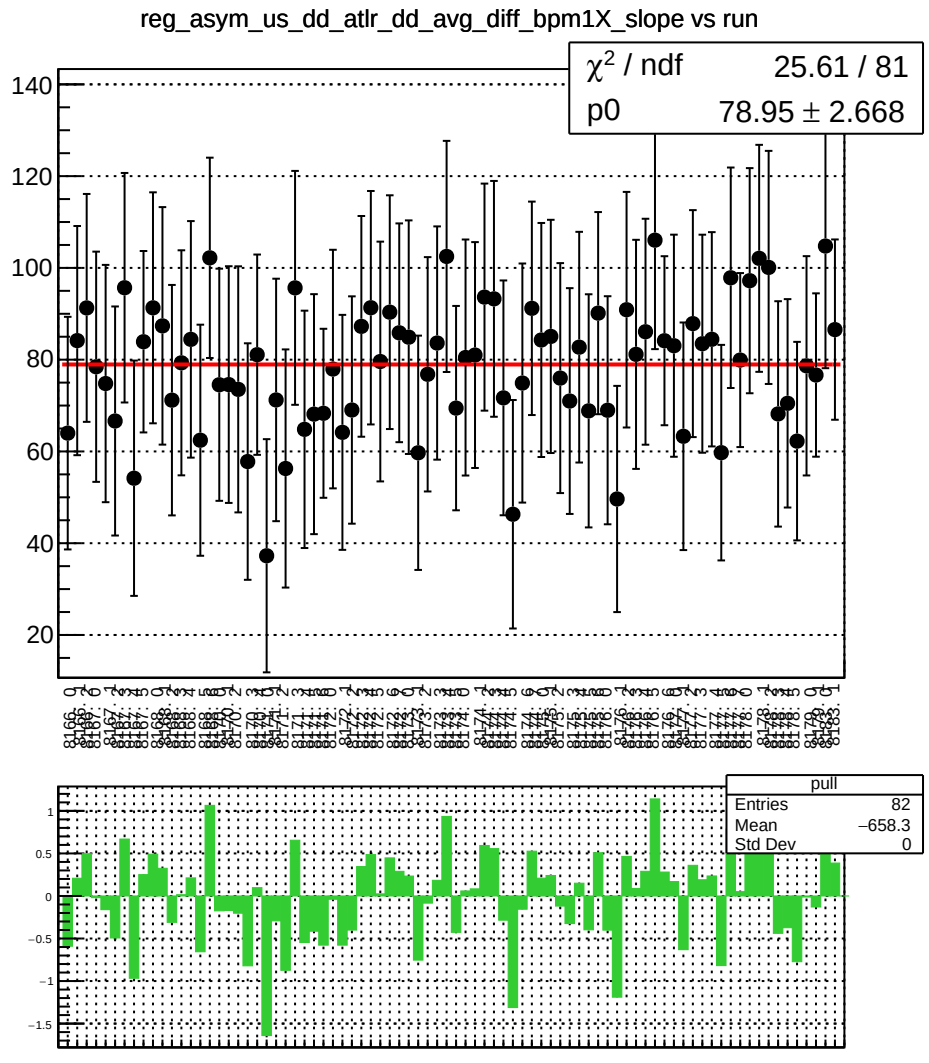

pull1D
Entries 82
Mean −0.006568
Std Dev 0.6853

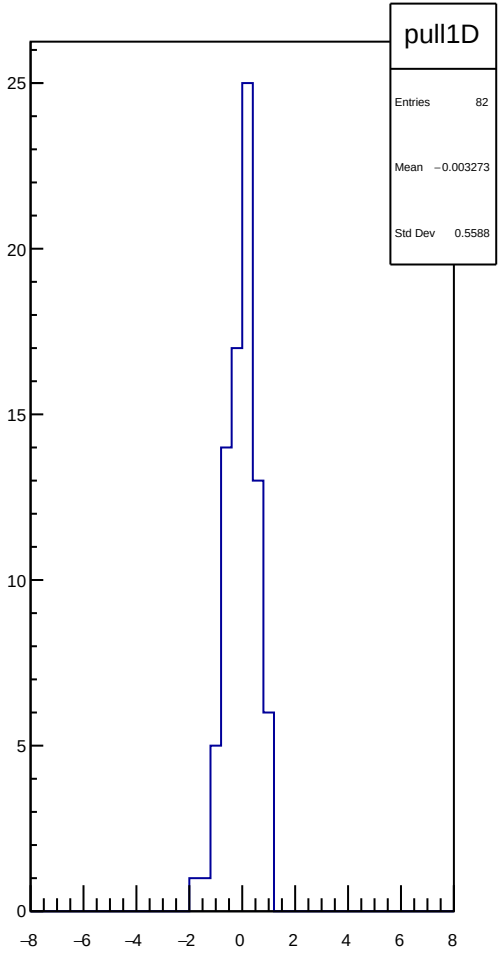

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.64 / 81
p0 −18.22 ± 3.874
pull
Entries 82
Mean 28.21
Std Dev 120.2

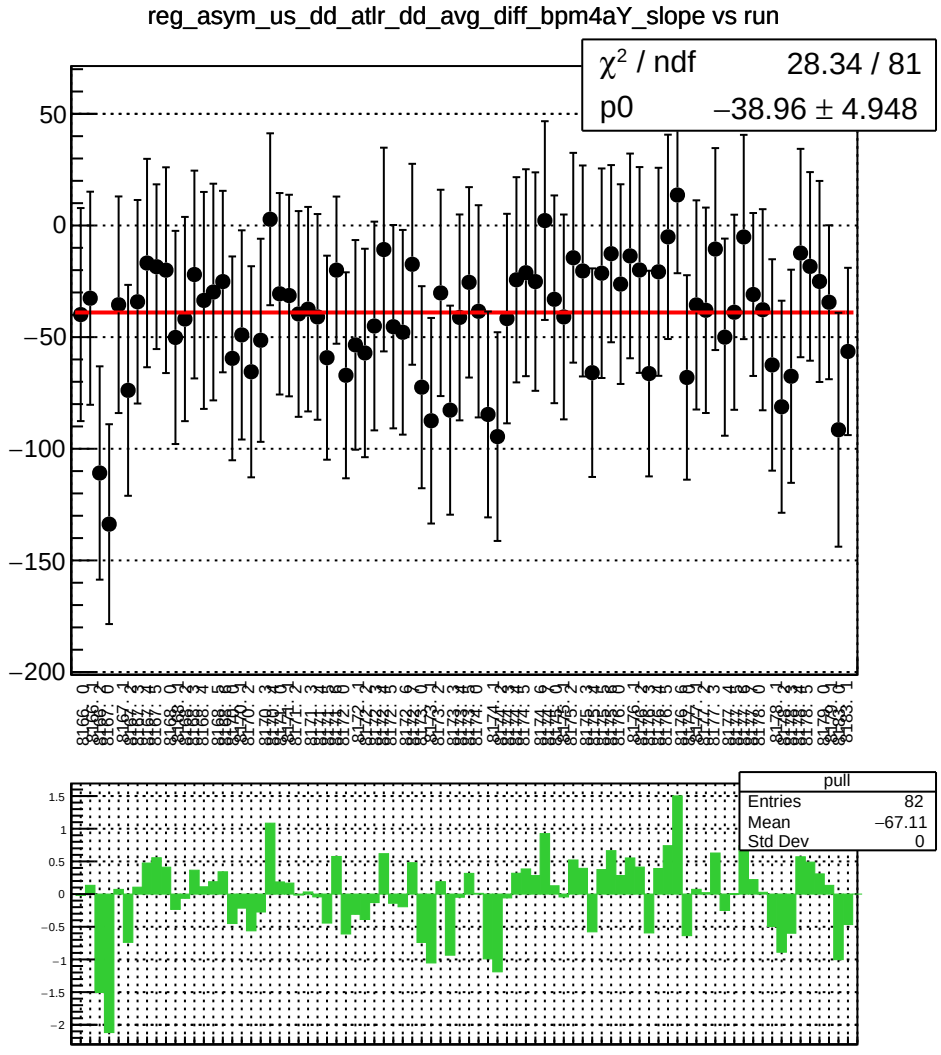

pull1D
Entries 82
Mean −0.002428
Std Dev 0.7702

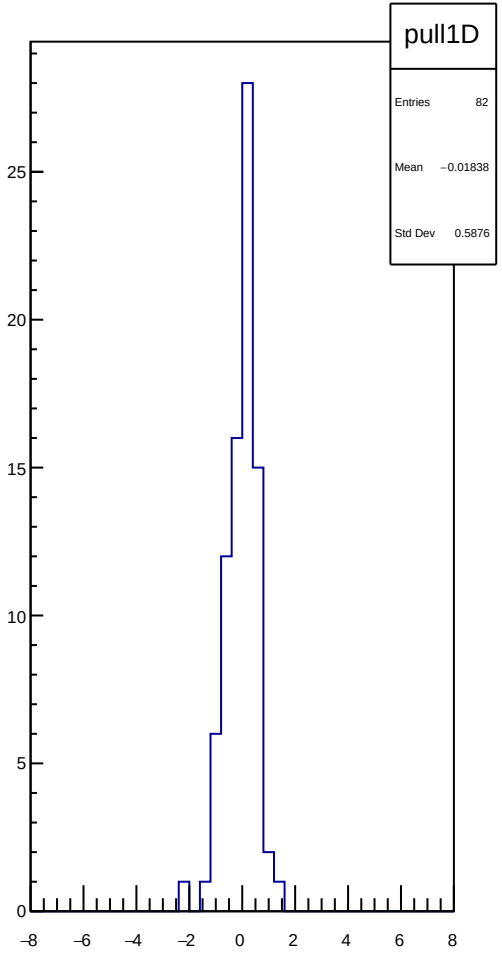

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 54.05 / 81
p0 −25.19 ± 0.1806
pull
Entries 82
Mean −318.8
Std Dev 0

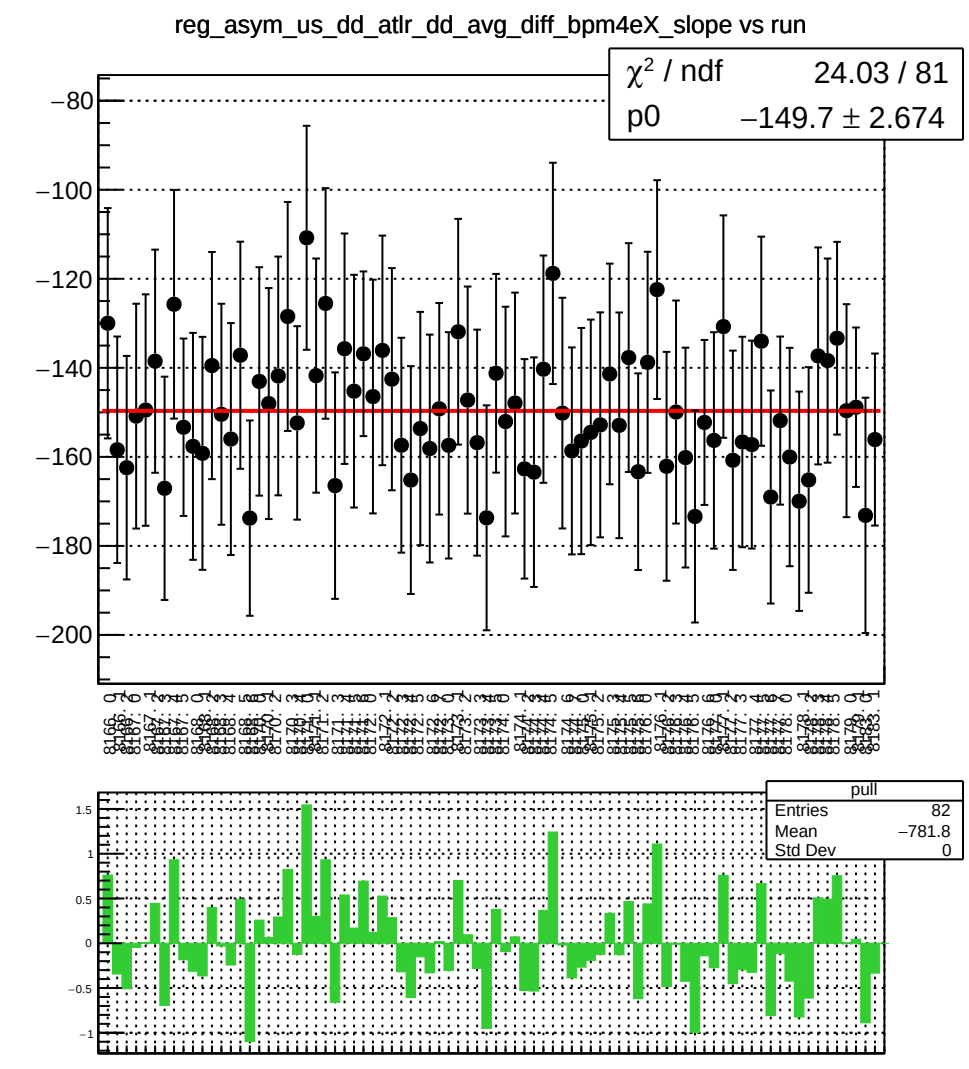

pull1D
Entries 82
Mean −0.009385
Std Dev 0.8118

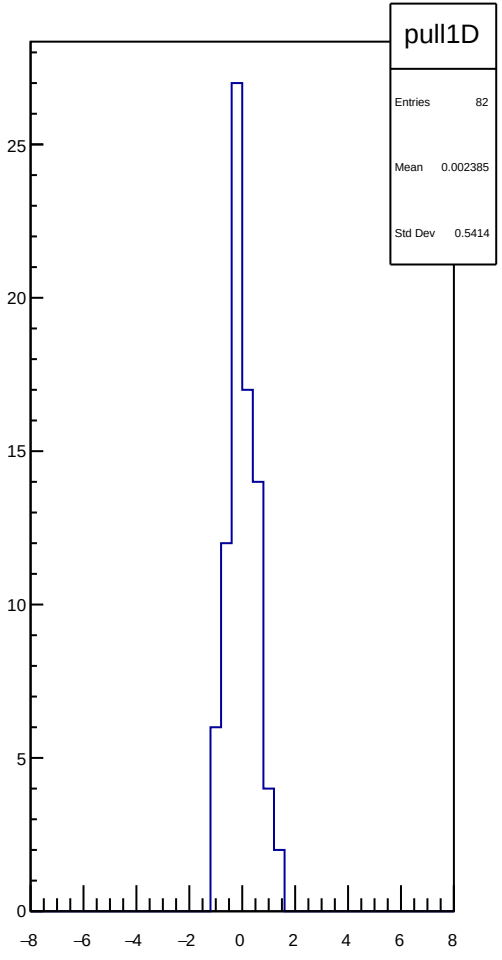

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 25.61 / 81
p0 78.95 ± 2.668
pull
Entries 82
Mean −658.3
Std Dev 0

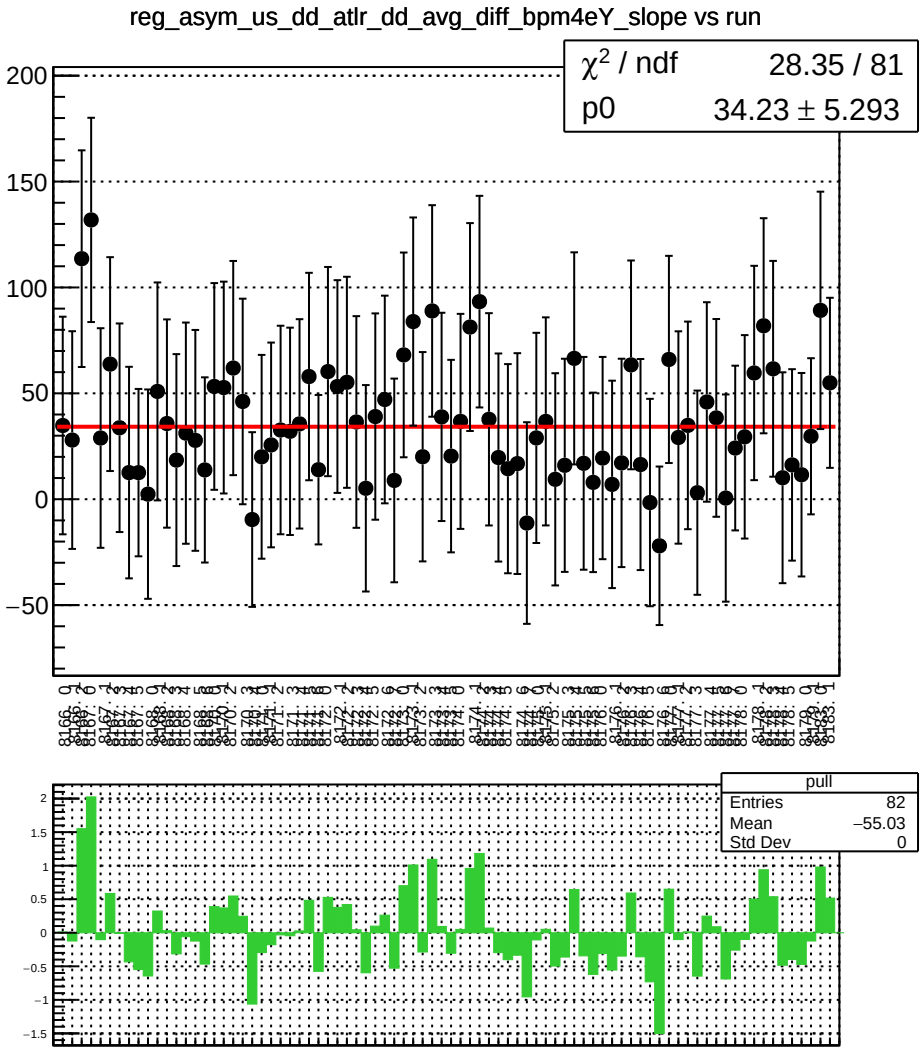

pull1D
Entries 82
Mean −0.003273
Std Dev 0.5588

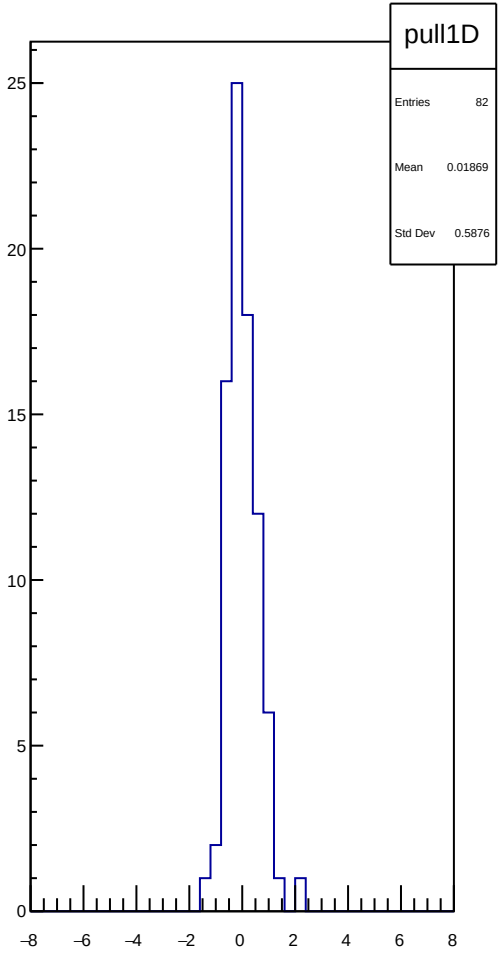

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.34 / 81
p0 −38.96 ± 4.948
pull
Entries 82
Mean −67.11
Std Dev 0

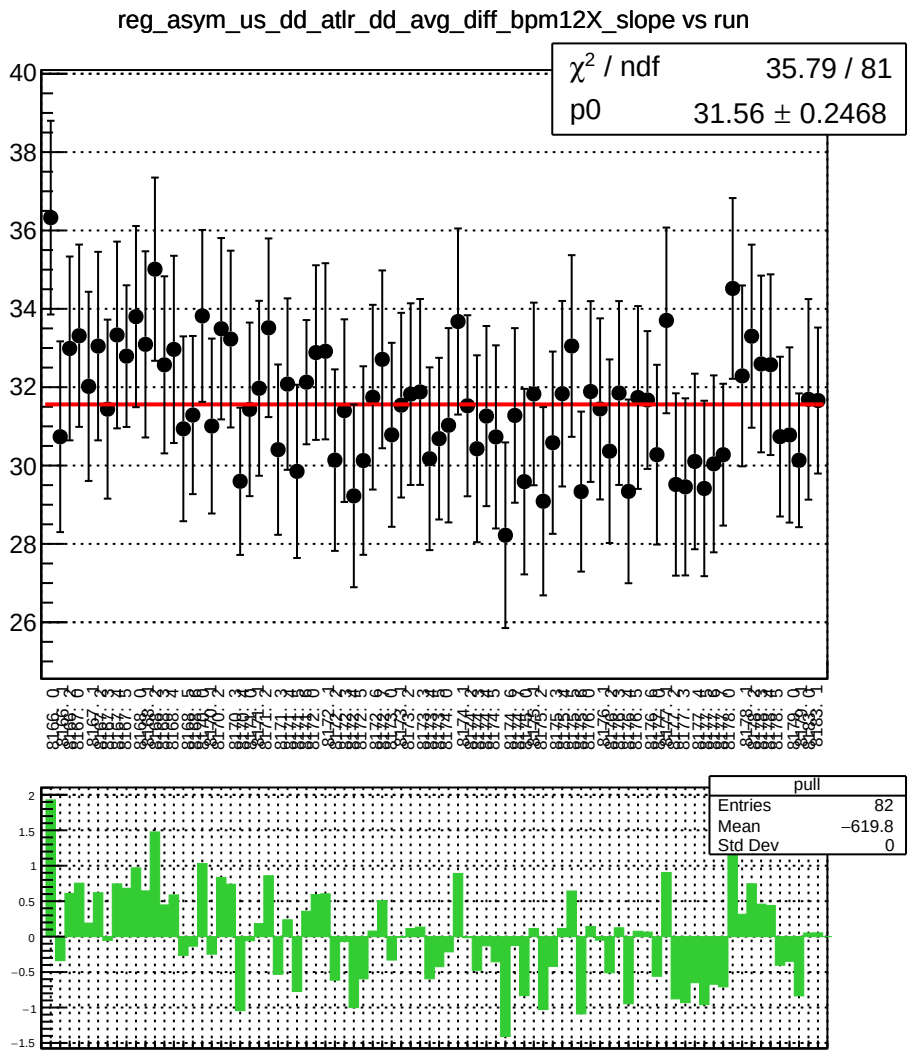

pull1D
Entries 82
Mean −0.01838
Std Dev 0.5876

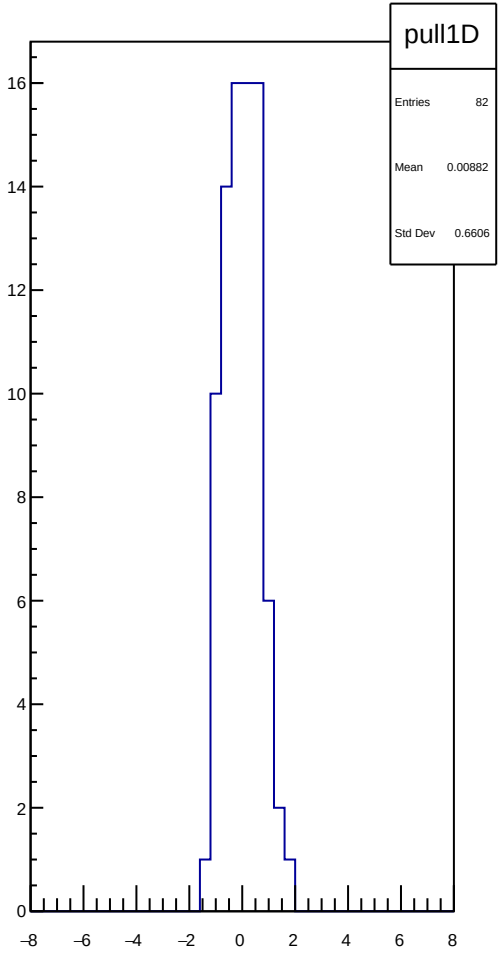

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.03 / 81
p0 −149.7 ± 2.674
pull
Entries 82
Mean −781.8
Std Dev 0

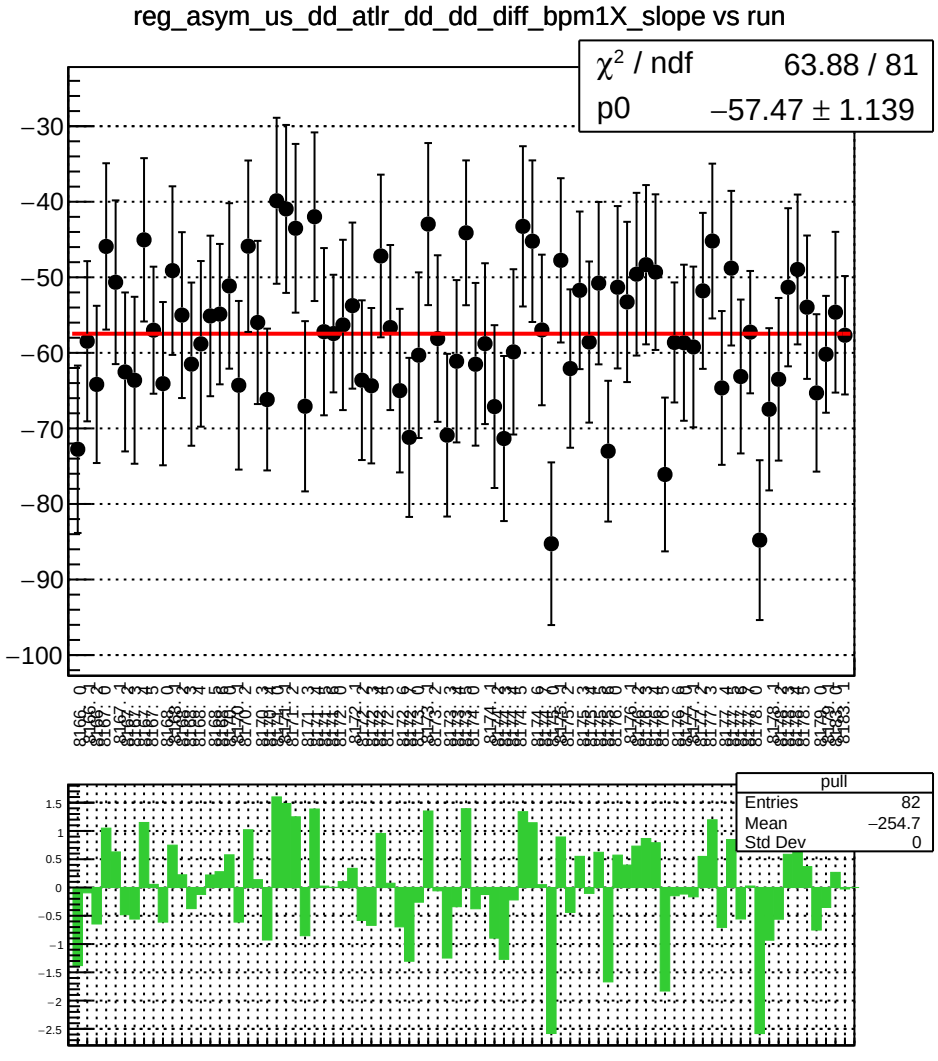

pull1D
Entries 82
Mean 0.002385
Std Dev 0.5414

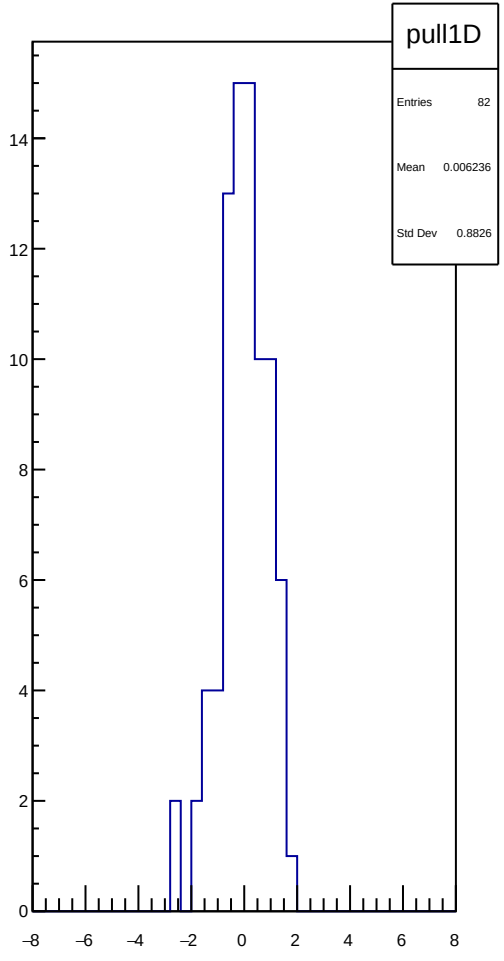

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.35 / 81
p0 34.23 ± 5.293
pull
Entries 82
Mean −55.03
Std Dev 0

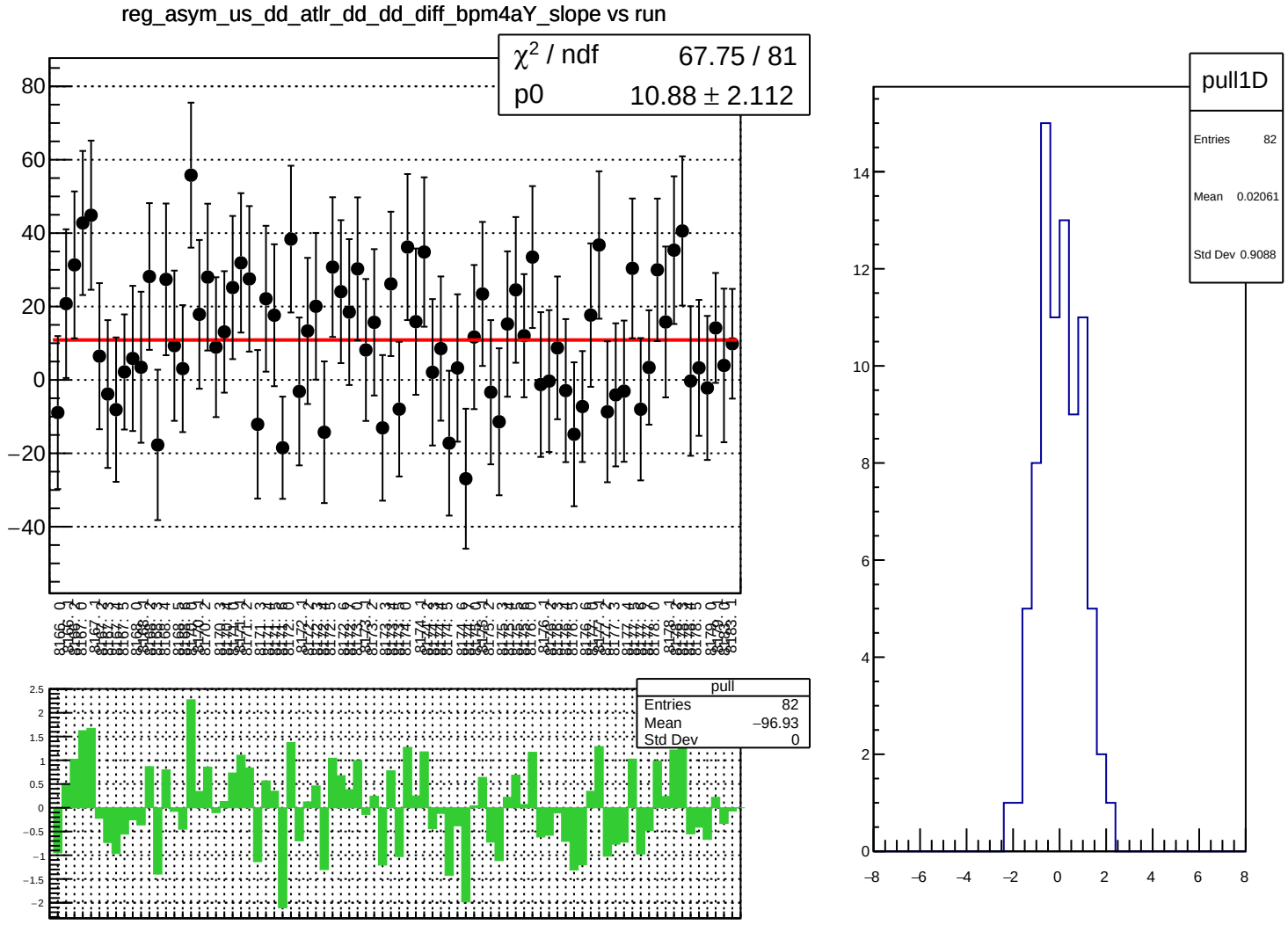

pull1D
Entries 82
Mean 0.01869
Std Dev 0.5876

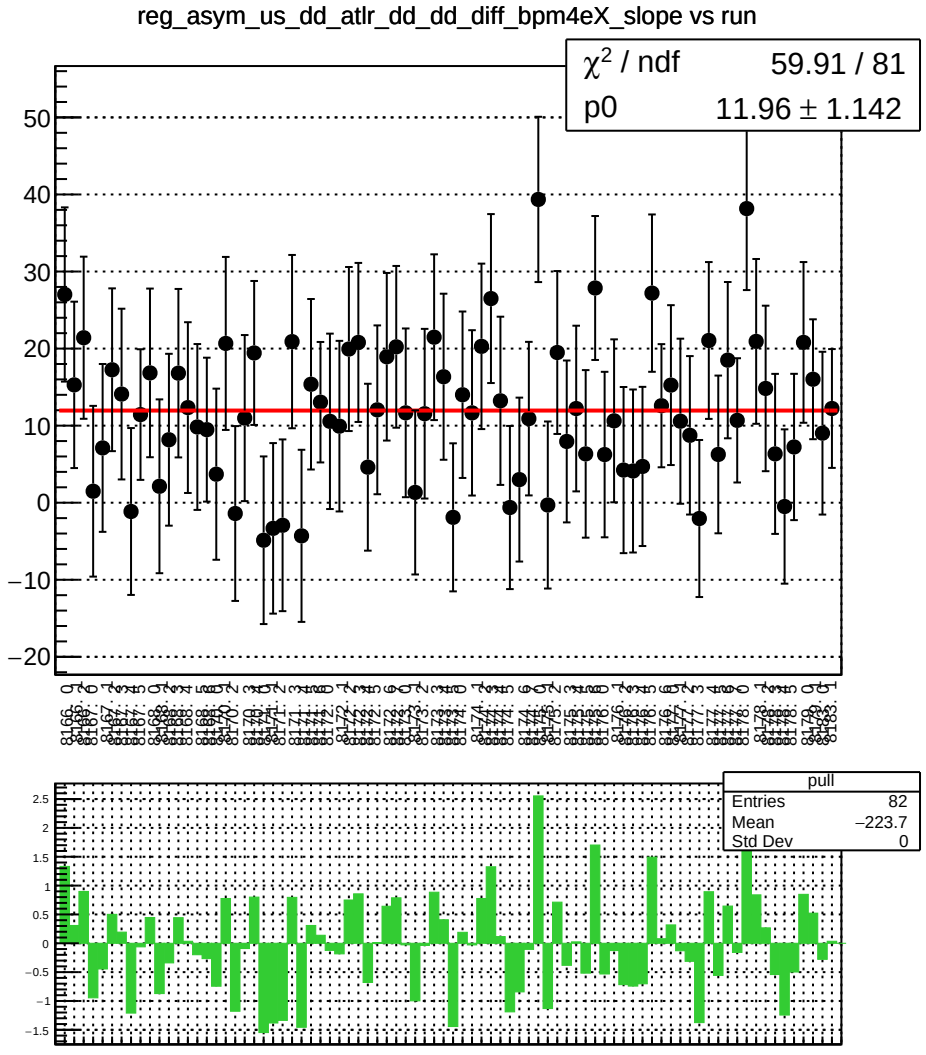

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 35.79 / 81
p0 31.56 ± 0.2468
pull
Entries 82
Mean −619.8
Std Dev 0

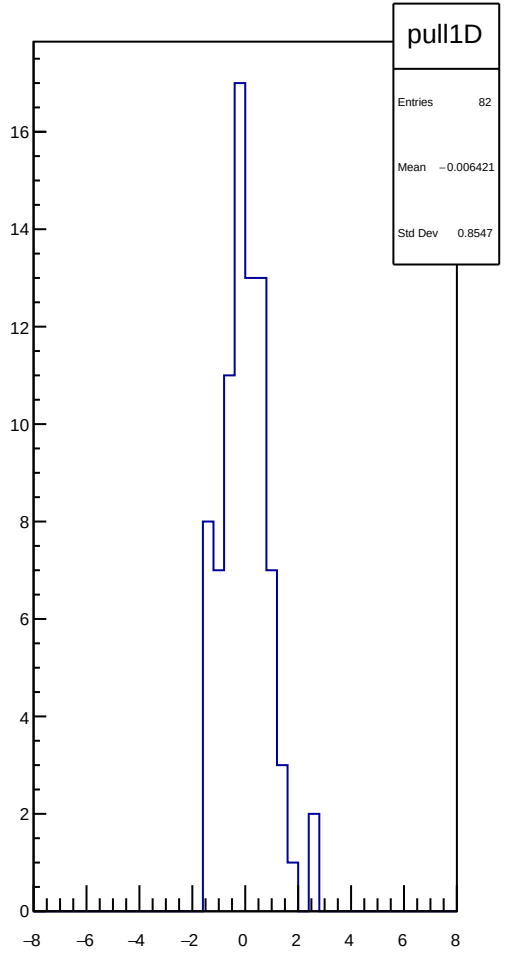

pull1D
Entries 82
Mean 0.00882
Std Dev 0.6606

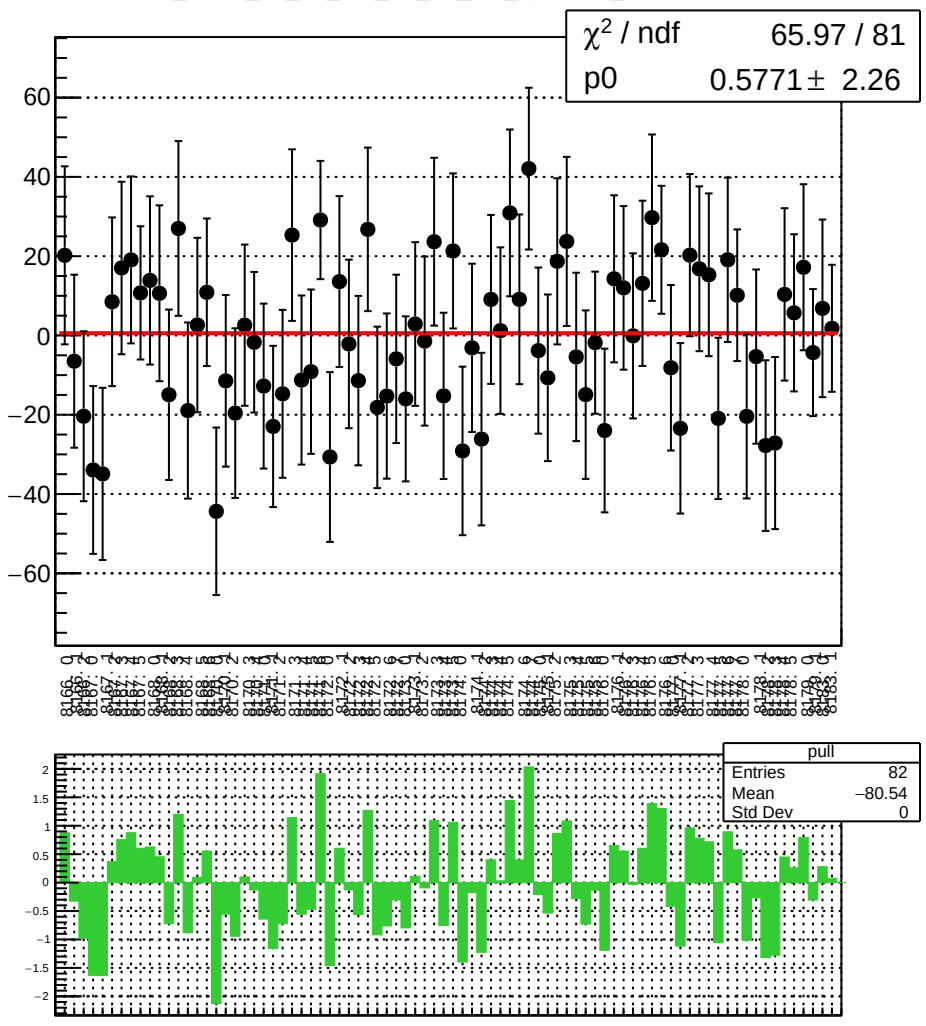

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 63.88 / 81
p0 −57.47 ± 1.139
pull
Entries 82
Mean −254.7
Std Dev 0

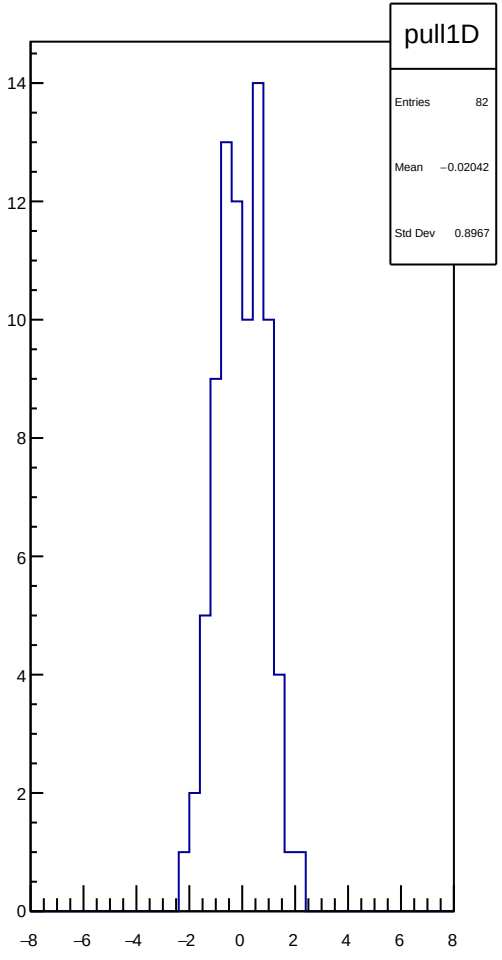

pull1D
Entries 82
Mean 0.006236
Std Dev 0.8826

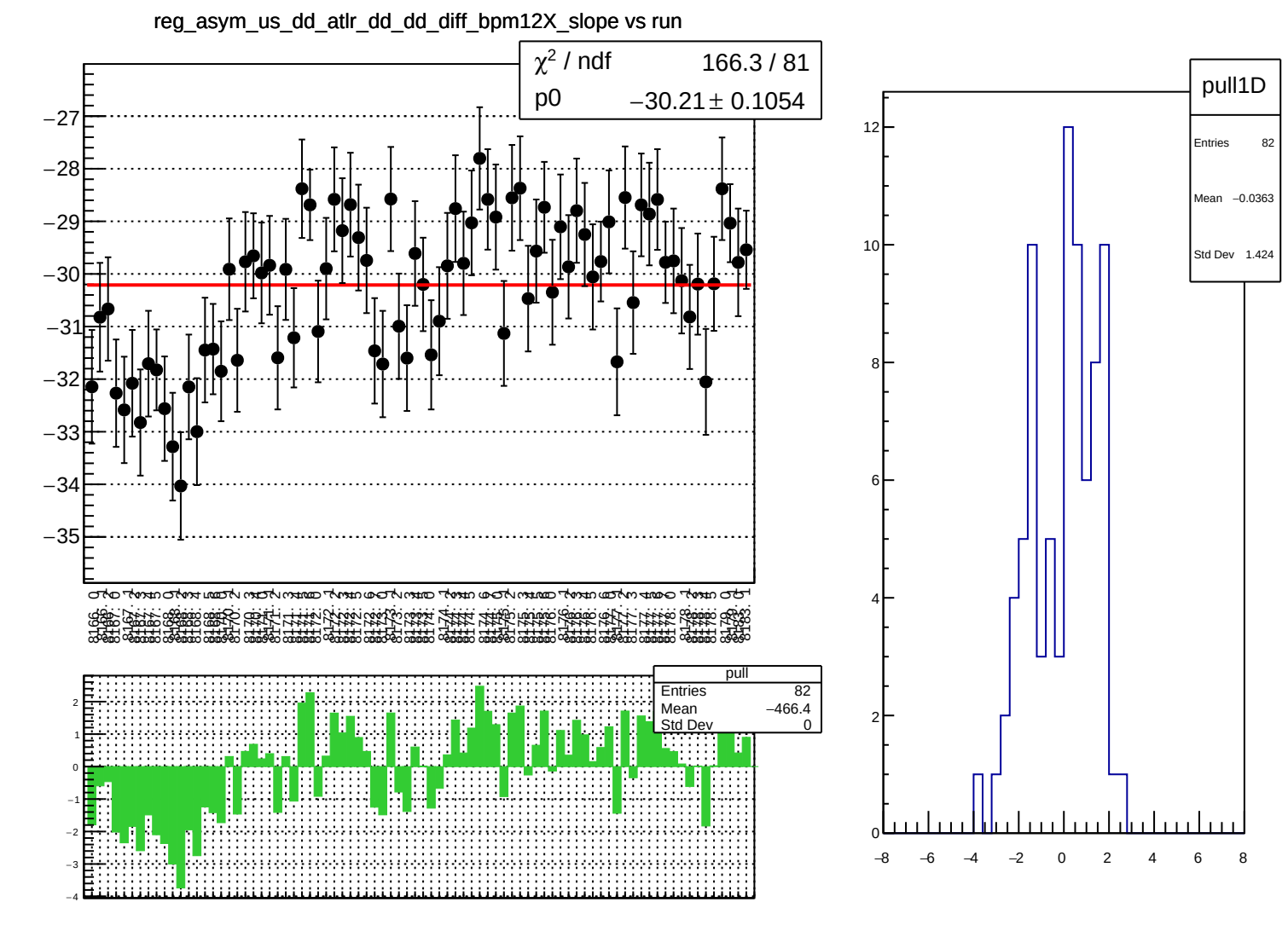

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.75 / 81
p0 10.88 ± 2.112
pull
Entries 82
Mean −96.93
Std Dev 0
pull1D
Entries 82
Mean 0.02061
Std Dev 0.9088

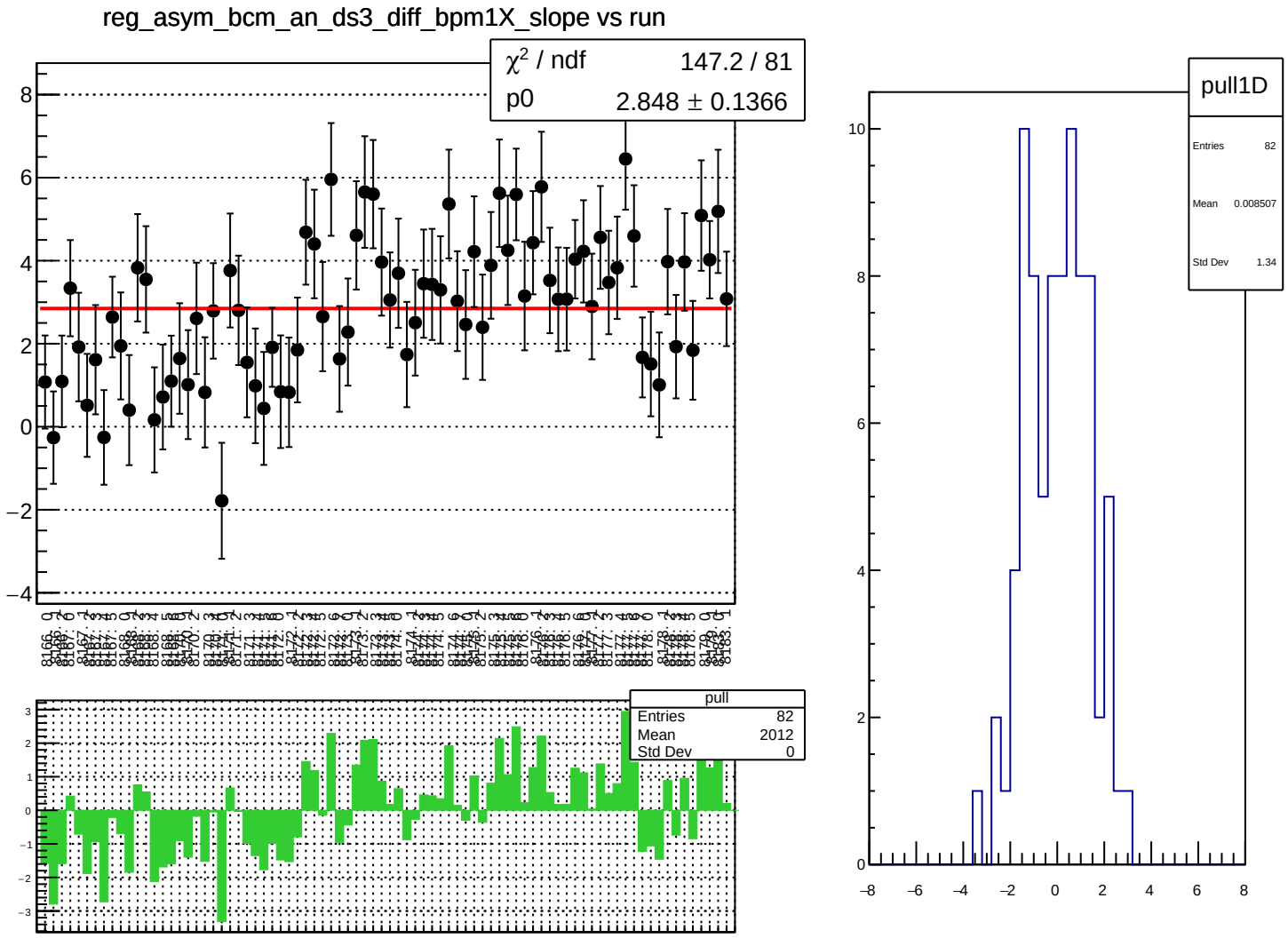

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.91 / 81
p0 11.96 ± 1.142
pull
Entries 82
Mean −223.7
Std Dev 0

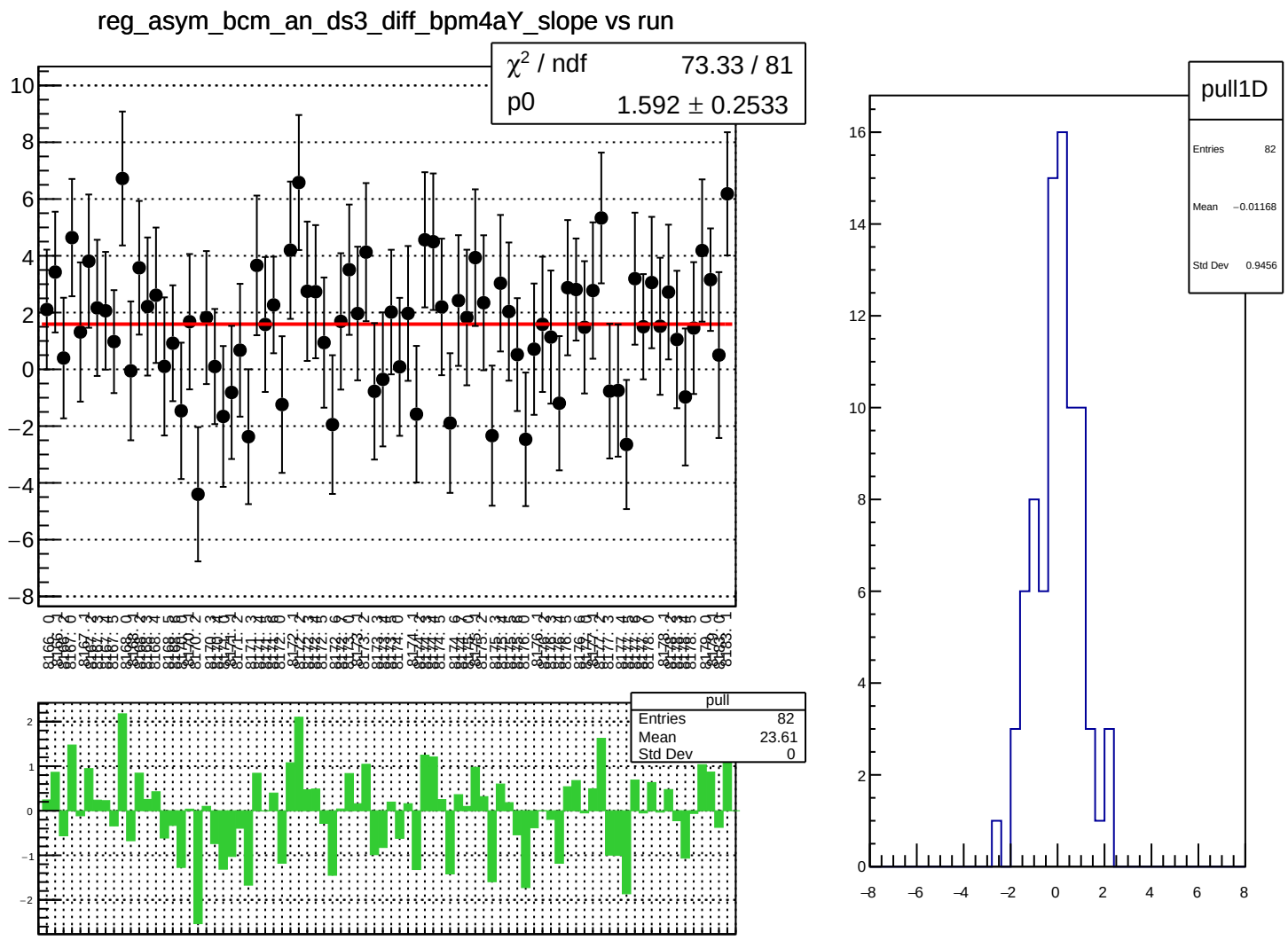

pull1D
Entries 82
Mean −0.006421
Std Dev 0.8547

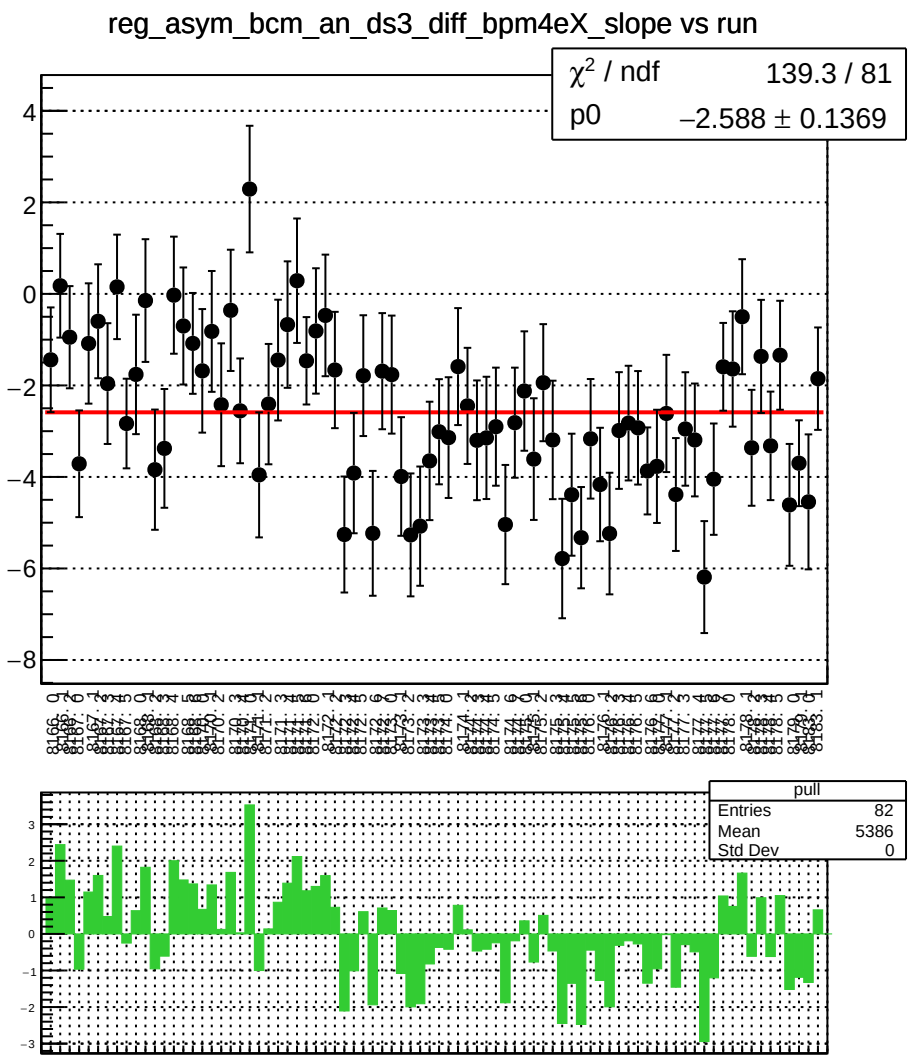

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.97 / 81
p0 0.5771 ± 2.26
pull
Entries 82
Mean −80.54
Std Dev 0

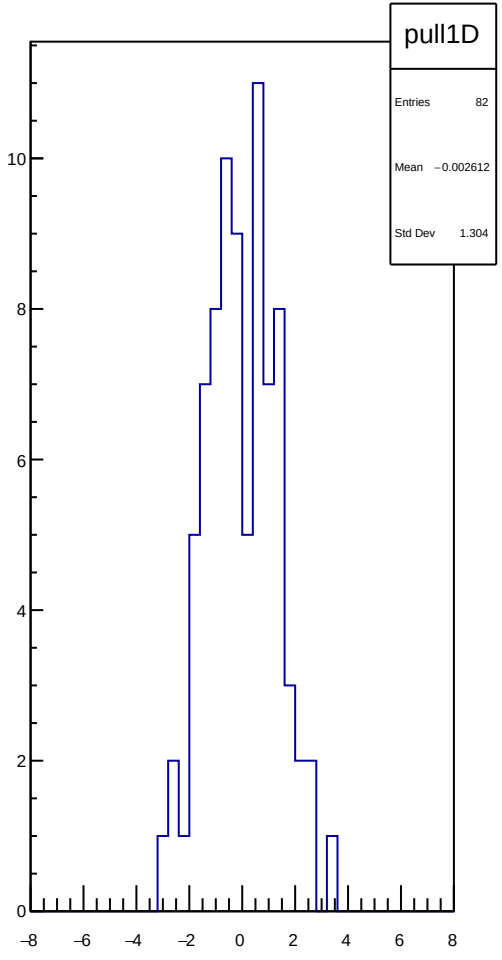

pull1D
Entries 82
Mean −0.02042
Std Dev 0.8967

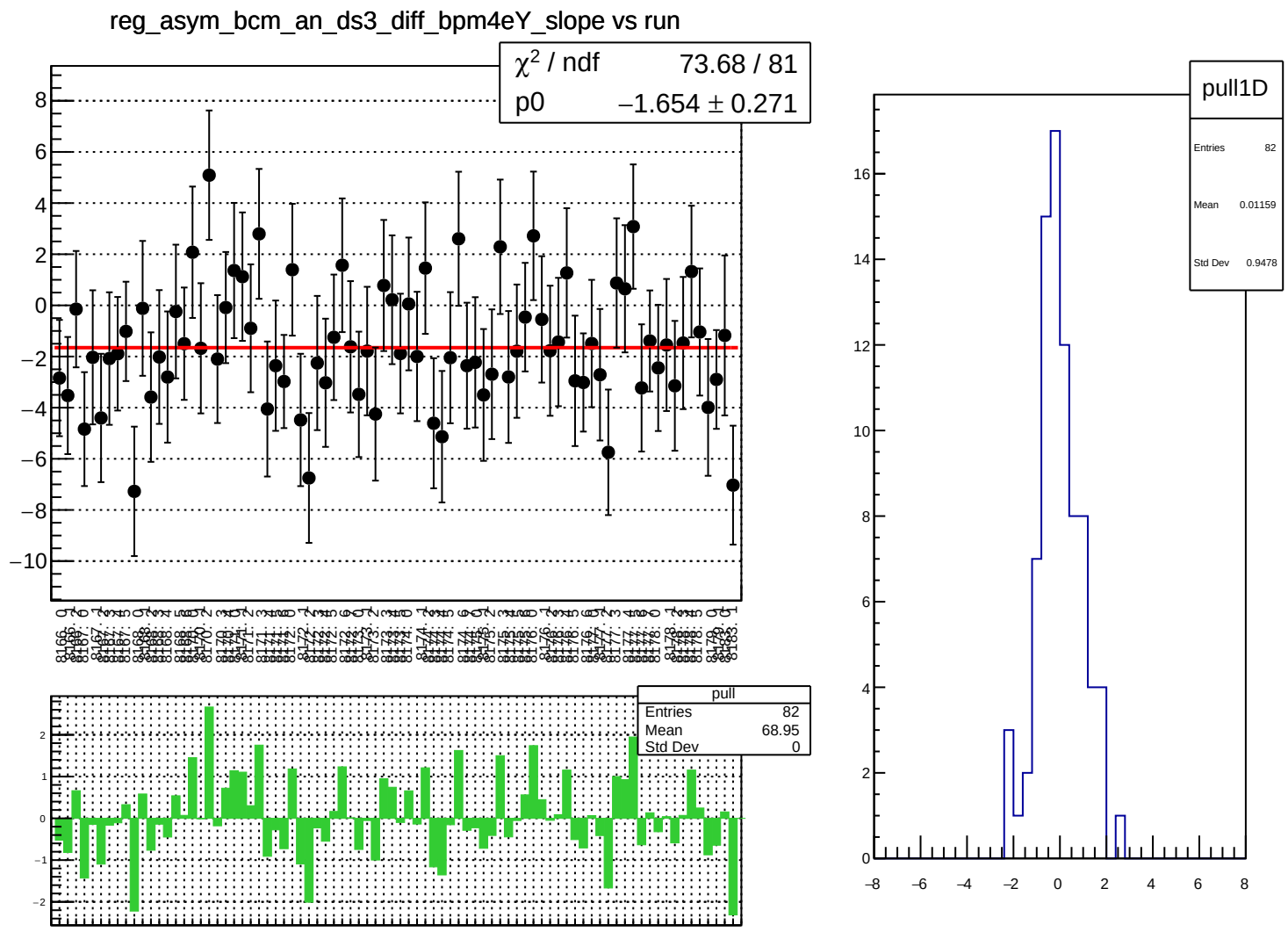

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 166.3 / 81
p0 −30.21 ± 0.1054
pull
Entries 82
Mean −466.4
Std Dev 0
pull1D
Entries 82
Mean −0.0363
Std Dev 1.424

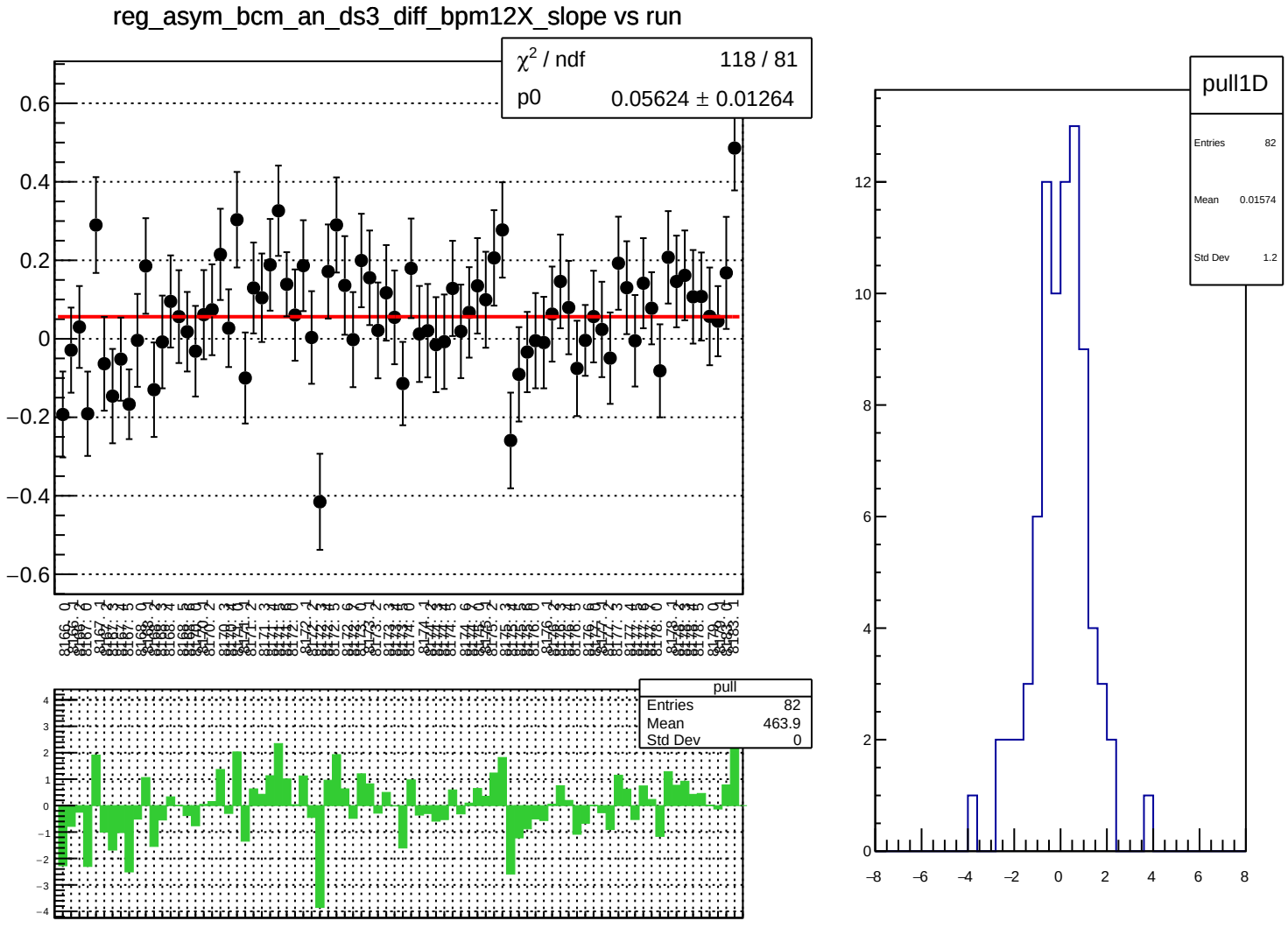

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 147.2 / 81
p0 2.848 ± 0.1366
pull
Entries 82
Mean 2012
Std Dev 0
pull1D
Entries 82
Mean 0.008507
Std Dev 1.34

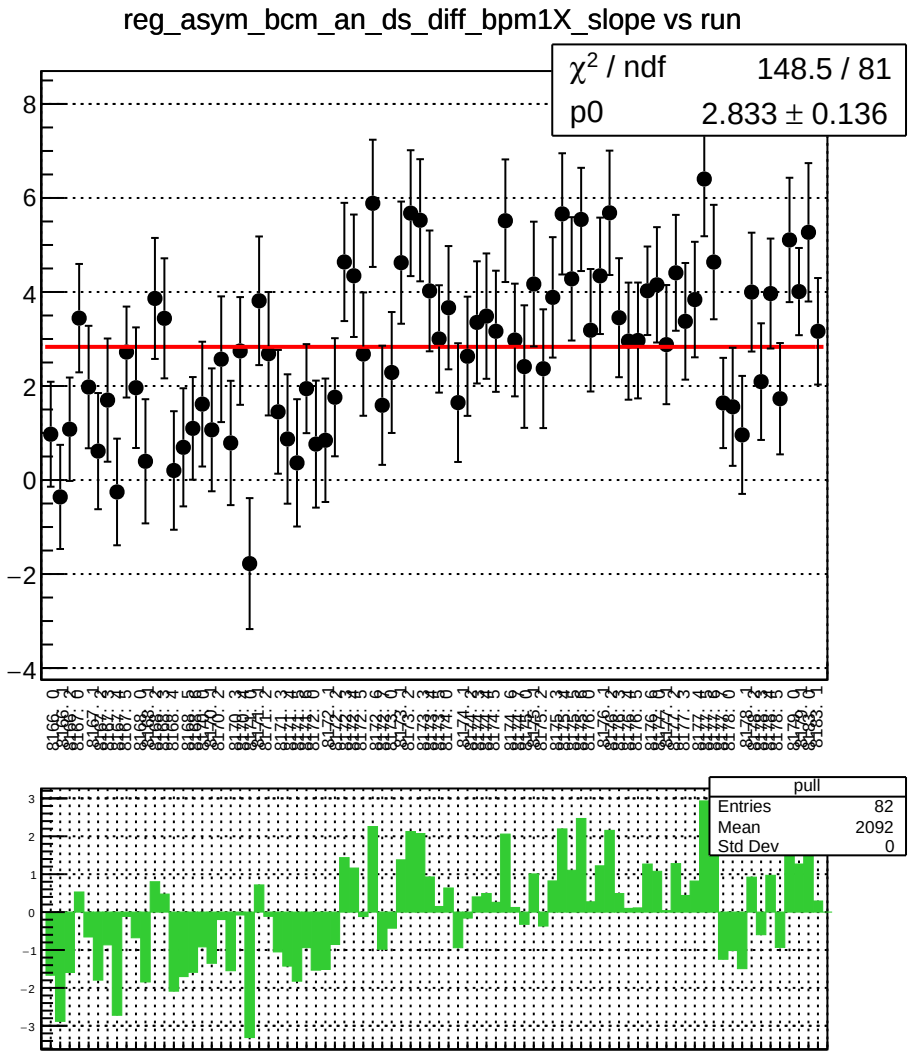

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 73.33 / 81
p0 1.592 ± 0.2533
pull
Entries 82
Mean 23.61
Std Dev 0
pull1D
Entries 82
Mean −0.01168
Std Dev 0.9456

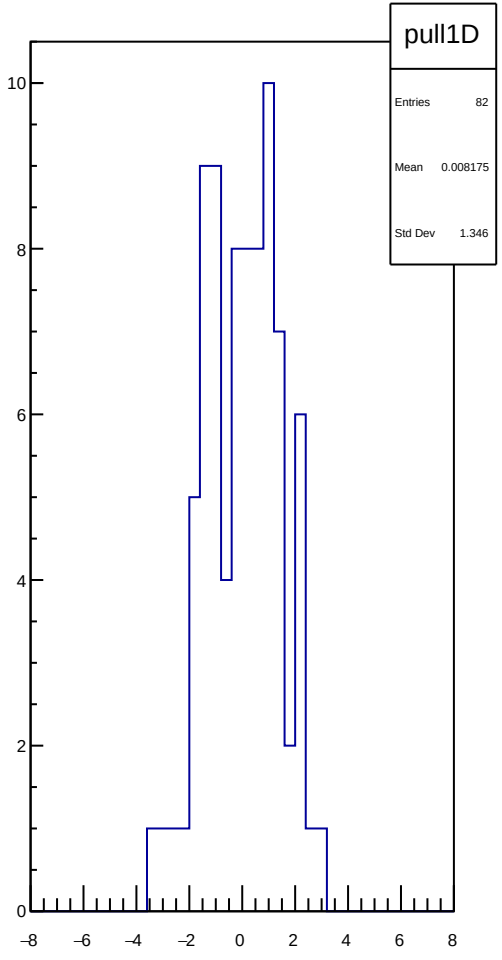

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 139.3 / 81
p0 −2.588 ± 0.1369
pull
Entries 82
Mean 5386
Std Dev 0

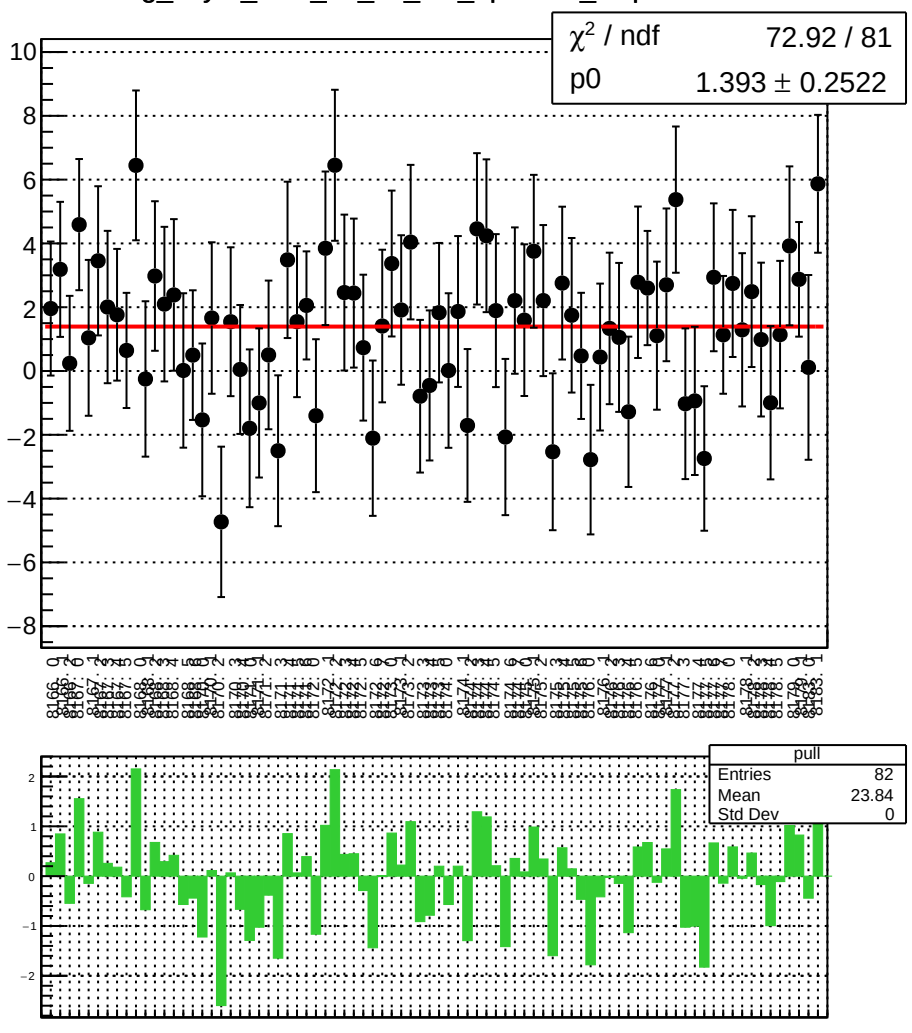

pull1D
Entries 82
Mean −0.002612
Std Dev 1.304

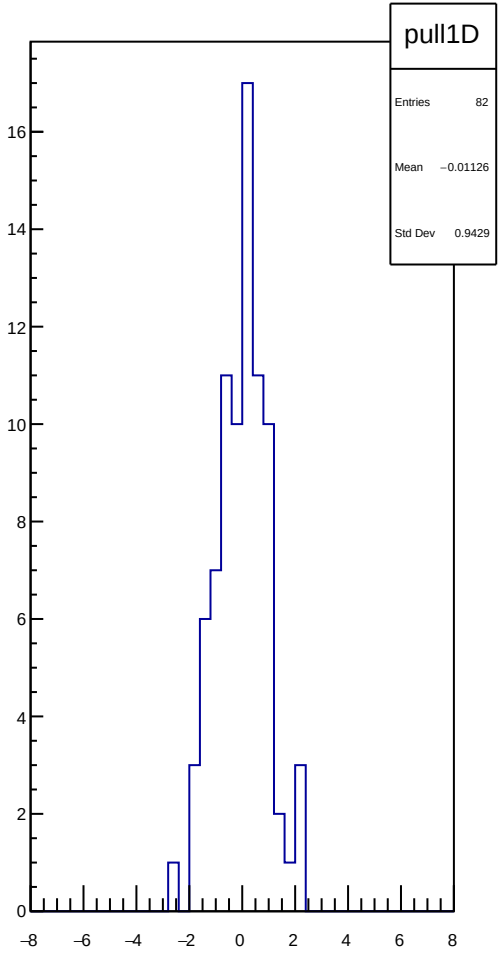

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 73.68 / 81
p0 −1.654 ± 0.271
pull
Entries 82
Mean 68.95
Std Dev 0
pull1D
Entries 82
Mean 0.01159
Std Dev 0.9478

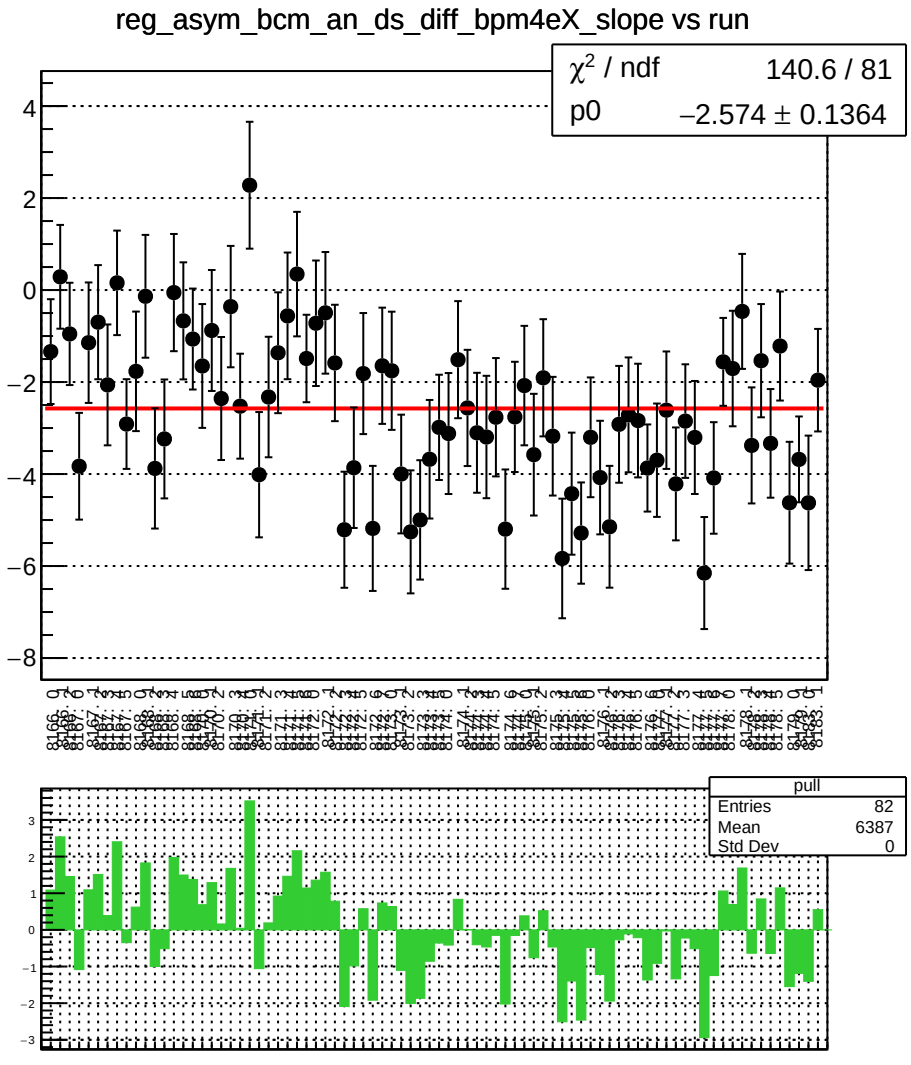

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 118 / 81
p0 0.05624 ± 0.01264
pull
Entries 82
Mean 463.9
Std Dev 0
pull1D
Entries 82
Mean 0.01574
Std Dev 1.2

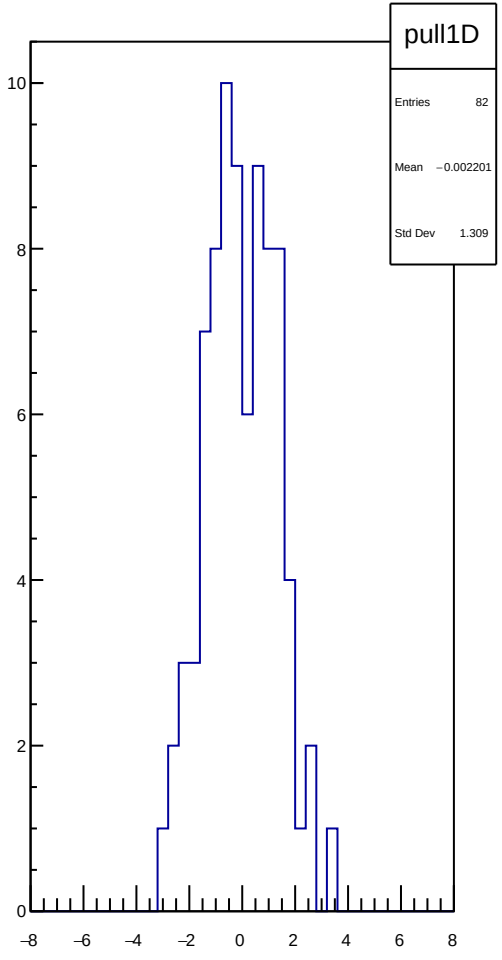

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 148.5 / 81
p0 2.833 ± 0.136
pull
Entries 82
Mean 2092
Std Dev 0

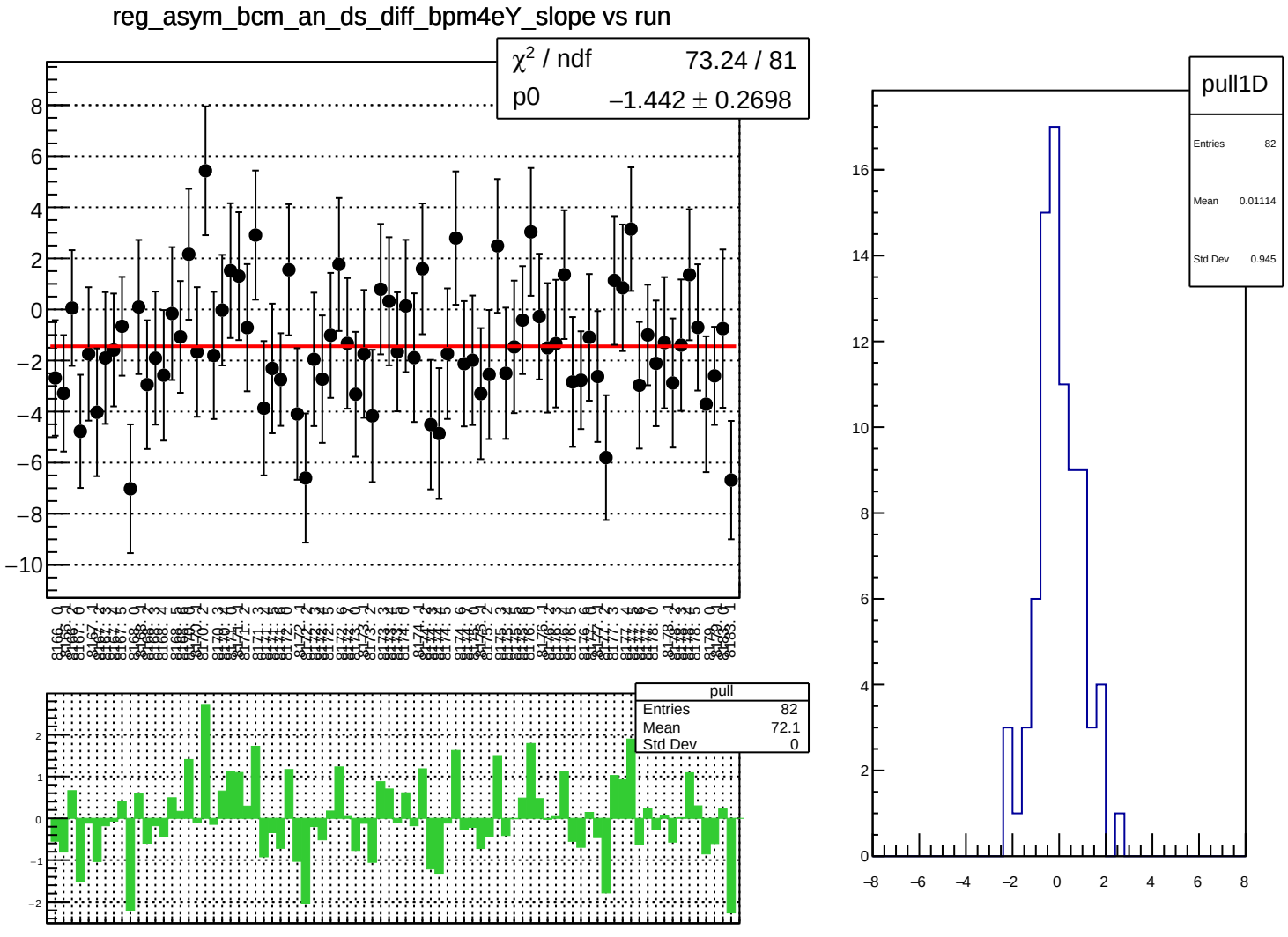

pull1D
Entries 82
Mean 0.008175
Std Dev 1.346

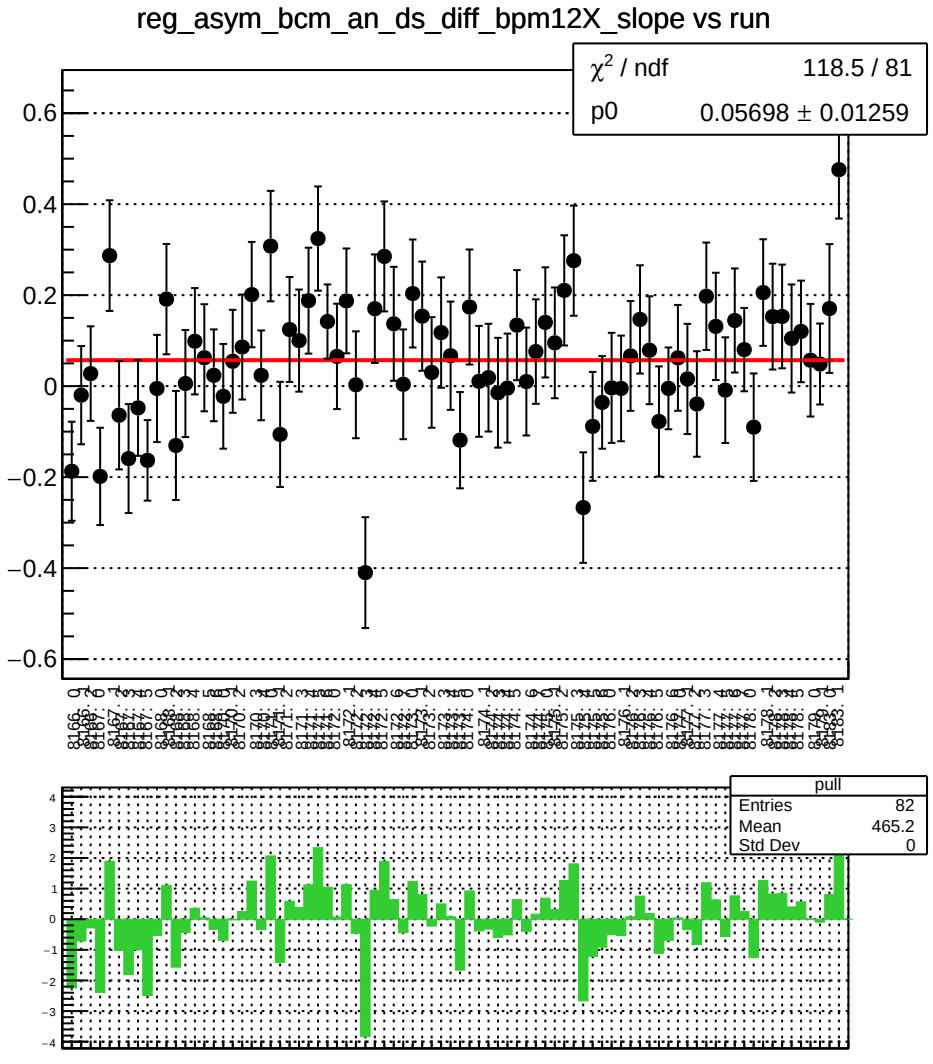

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 72.92 / 81
p0 1.393 ± 0.2522
pull
Entries 82
Mean 23.84
Std Dev 0

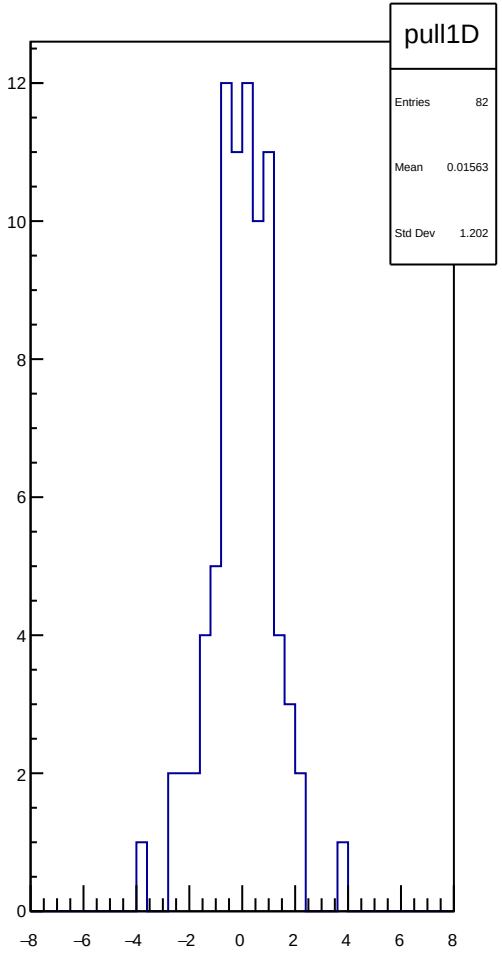

pull1D
Entries 82
Mean −0.01126
Std Dev 0.9429

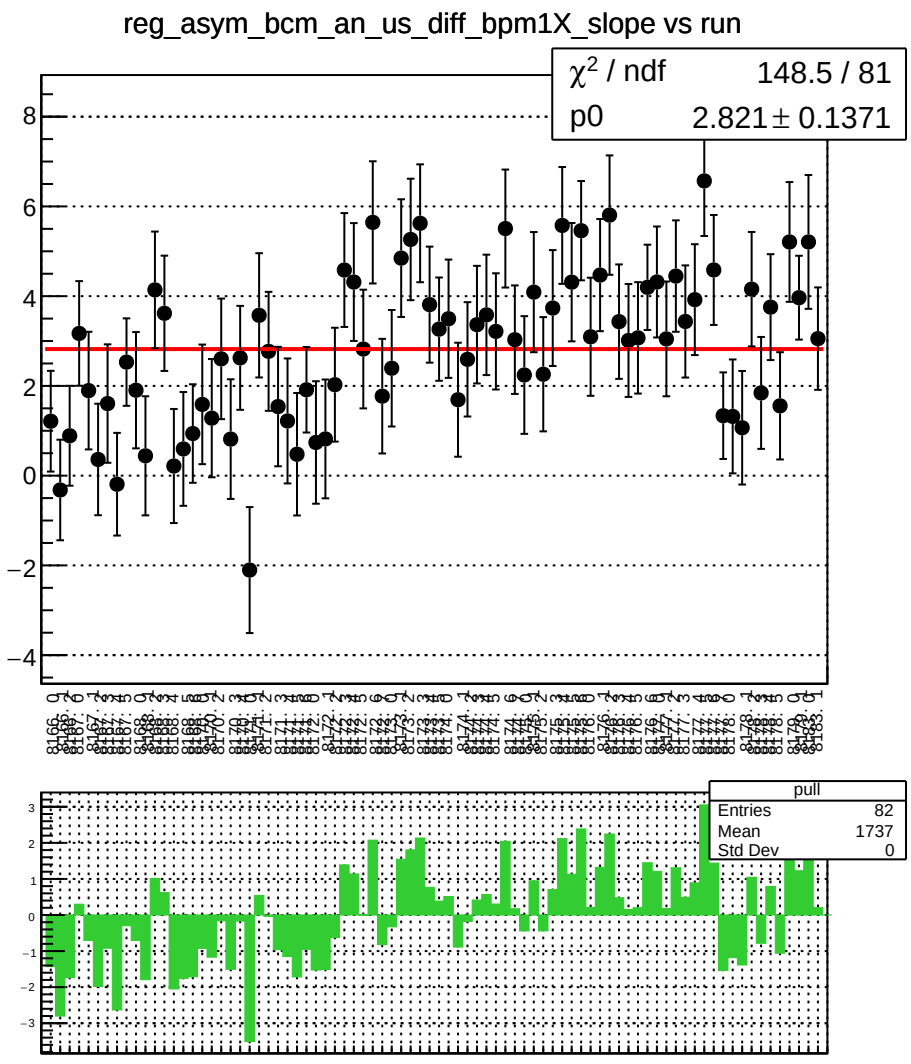

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 140.6 / 81
p0 −2.574 ± 0.1364
pull
Entries 82
Mean 6387
Std Dev 0

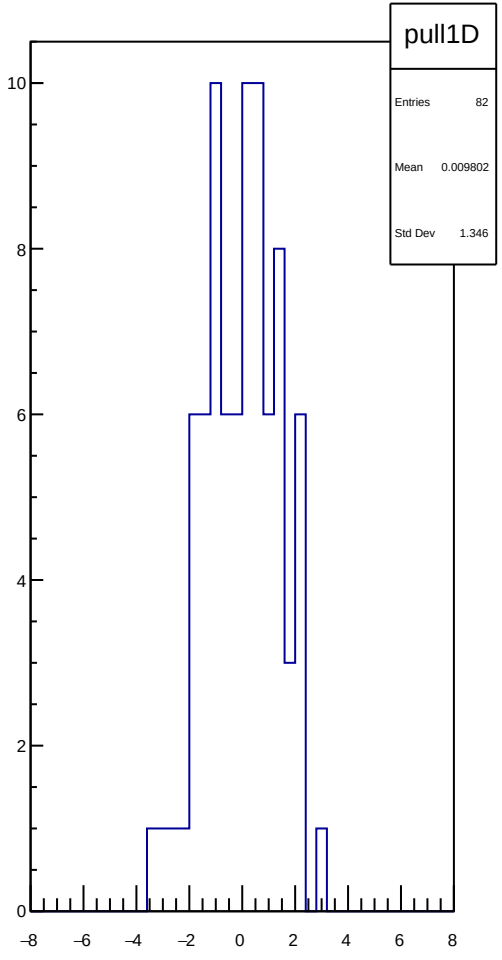

pull1D
Entries 82
Mean −0.002201
Std Dev 1.309

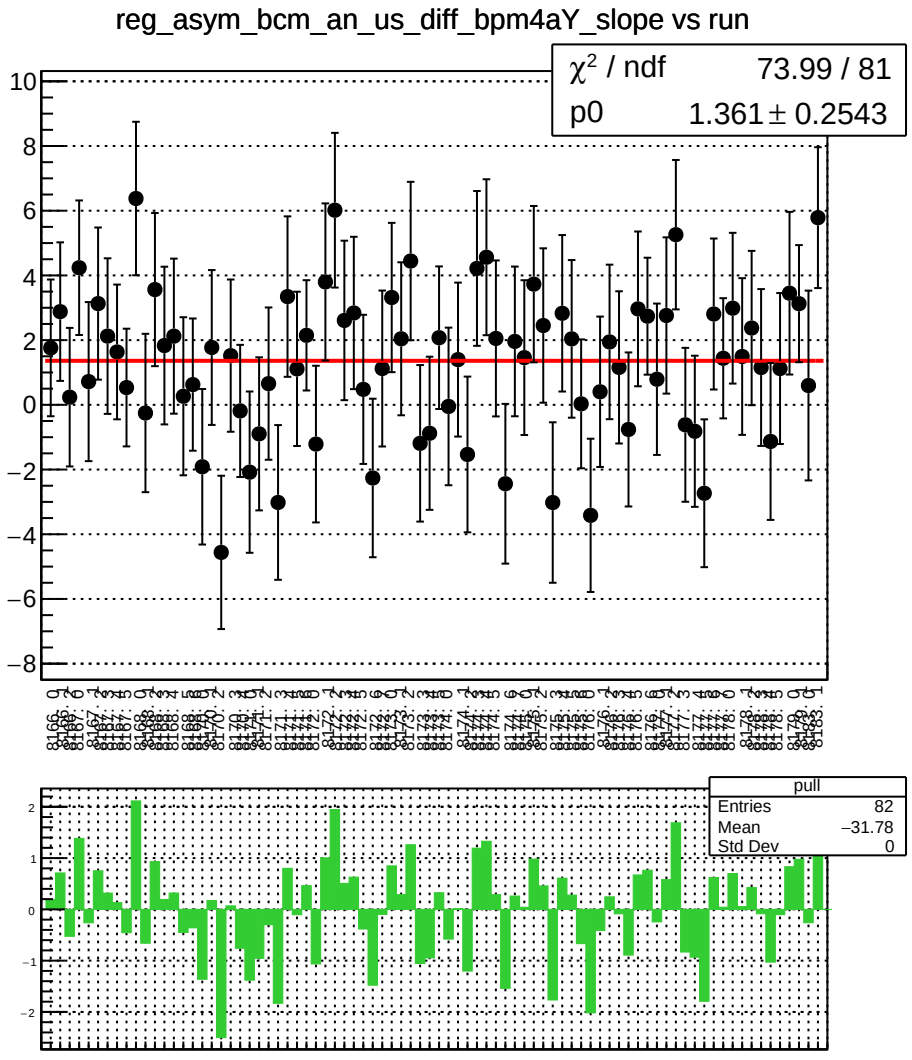

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.24 / 81
p0 −1.442 ± 0.2698
pull
Entries 82
Mean 72.1
Std Dev 0
pull1D
Entries 82
Mean 0.01114
Std Dev 0.945

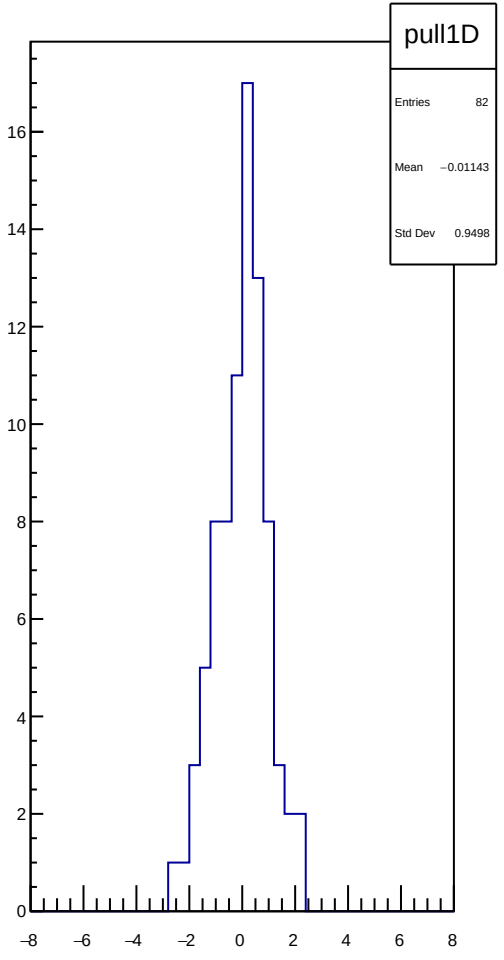

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 118.5 / 81
p0 0.05698 ± 0.01259
pull
Entries 82
Mean 465.2
Std Dev 0

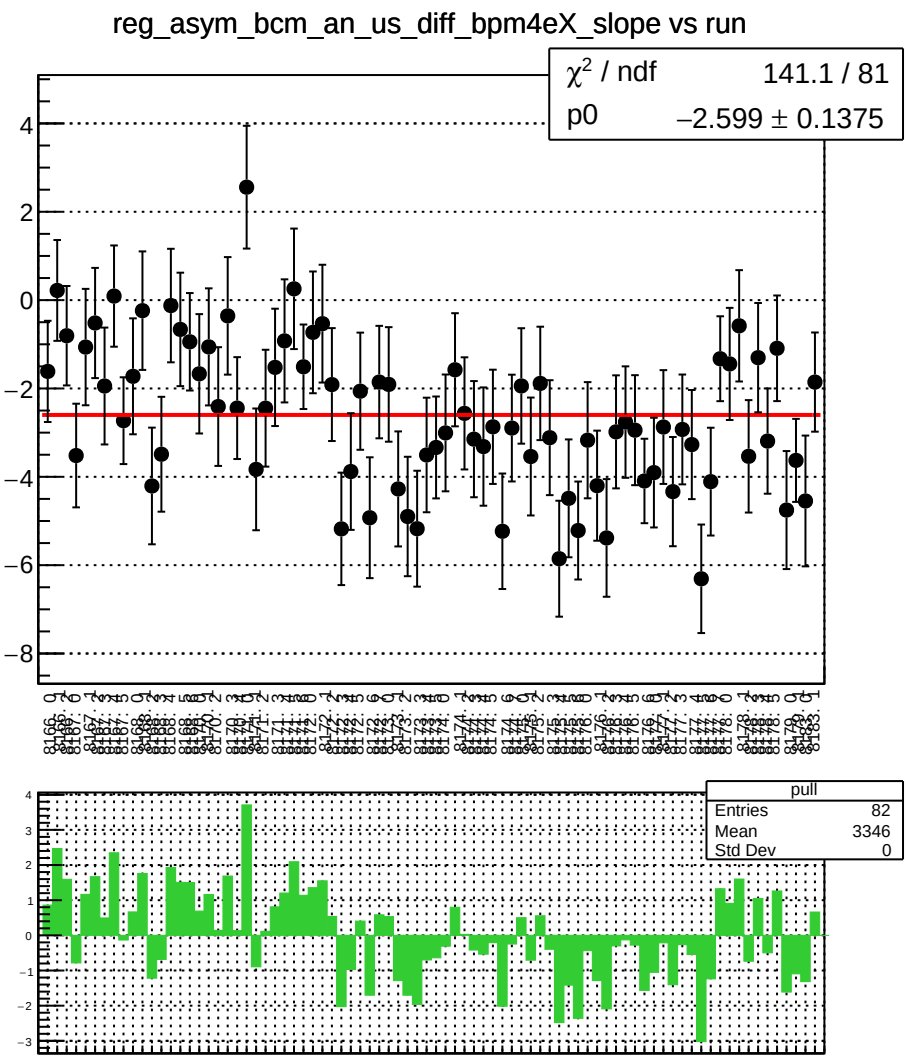

pull1D
Entries 82
Mean 0.01563
Std Dev 1.202

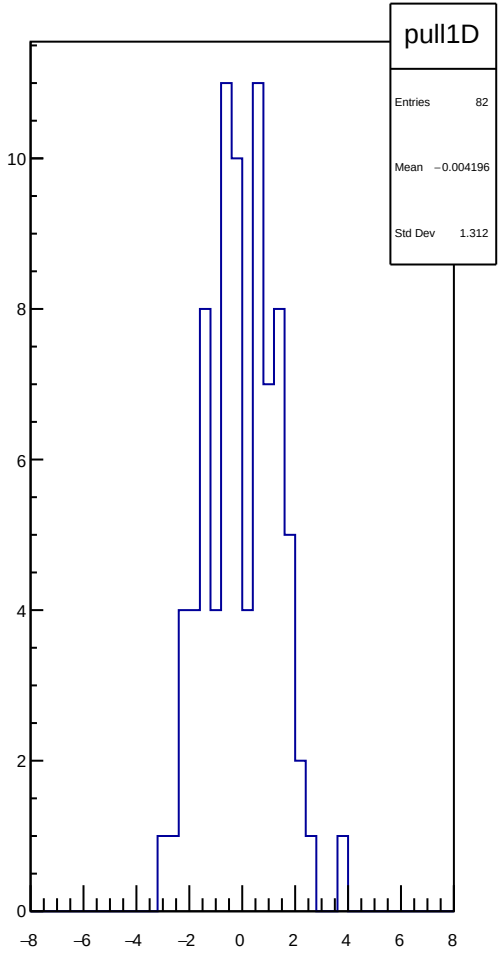

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 148.5 / 81
p0 2.821 ± 0.1371
pull
Entries 82
Mean 1737
Std Dev 0

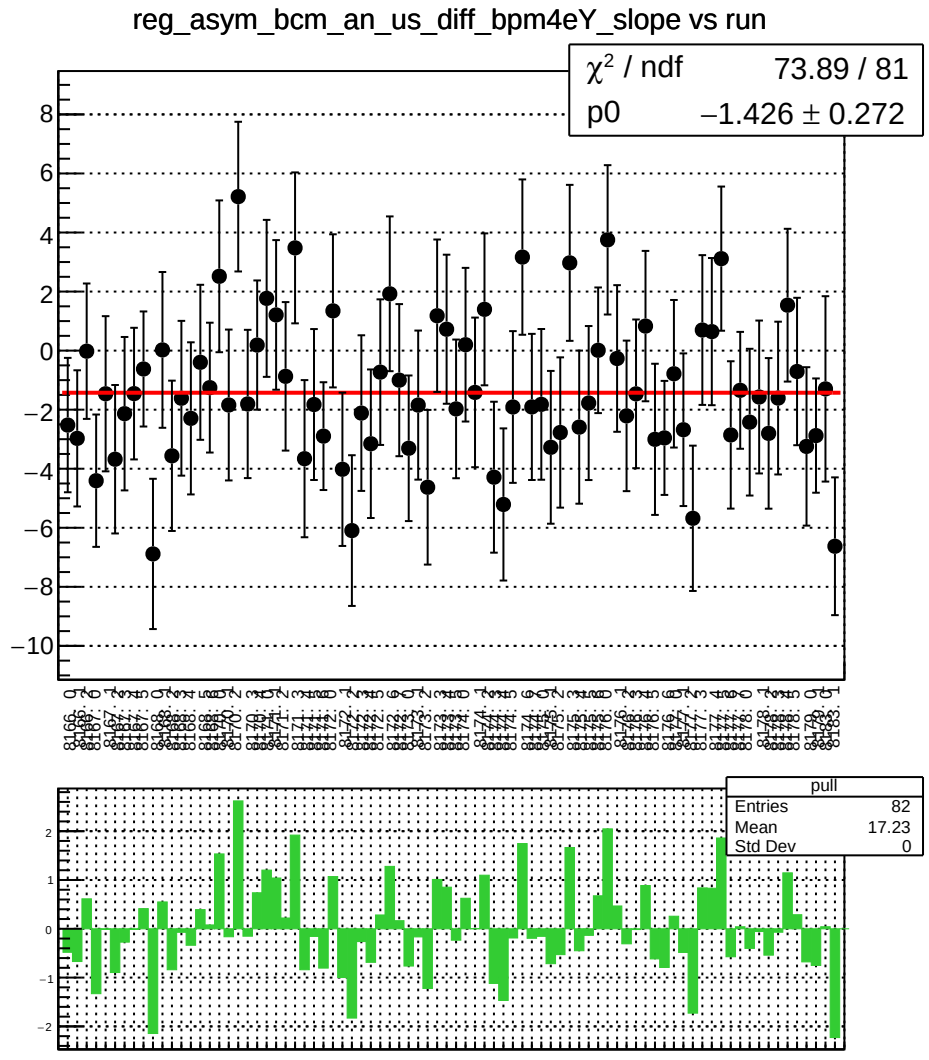

pull1D
Entries 82
Mean 0.009802
Std Dev 1.346

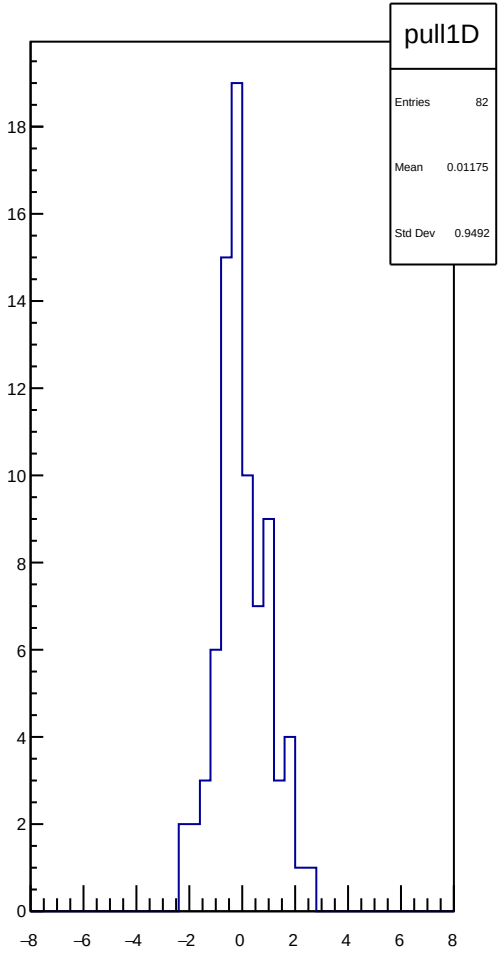

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 73.99 / 81
p0 1.361 ± 0.2543
pull
Entries 82
Mean −31.78
Std Dev 0

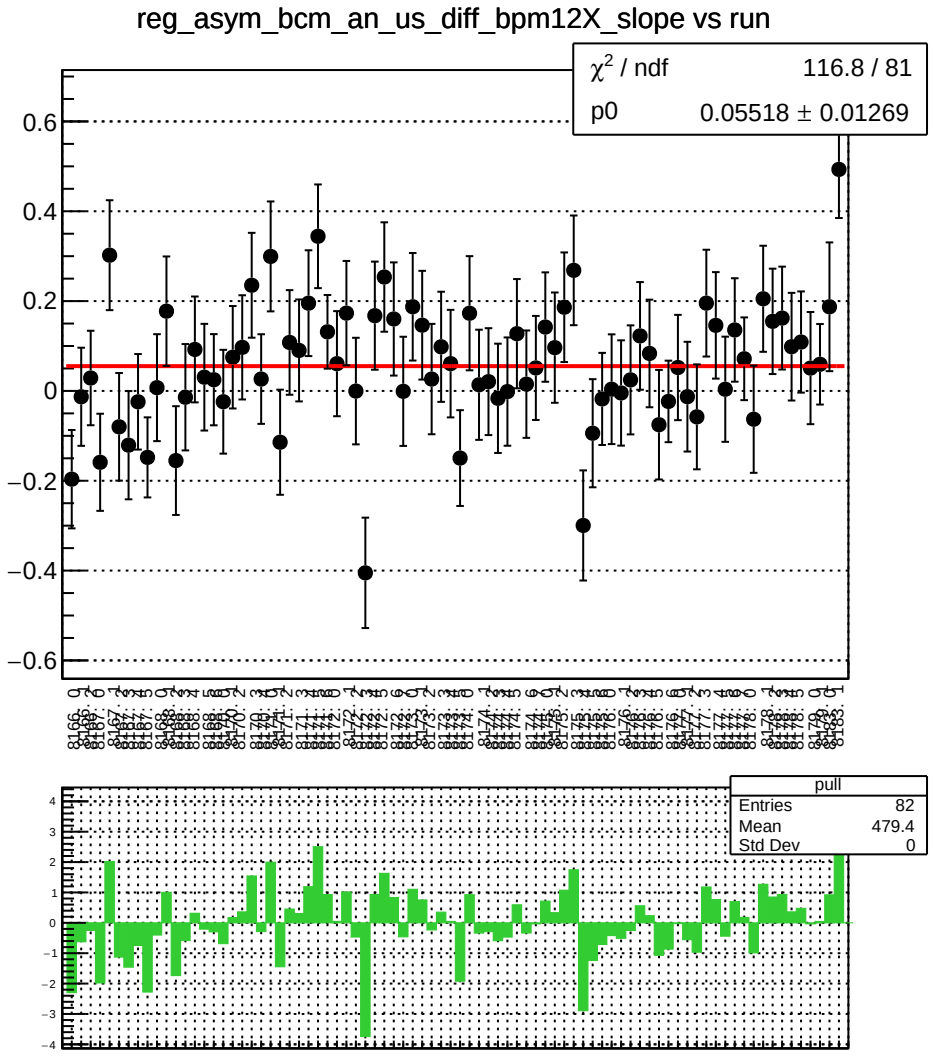

pull1D
Entries 82
Mean −0.01143
Std Dev 0.9498

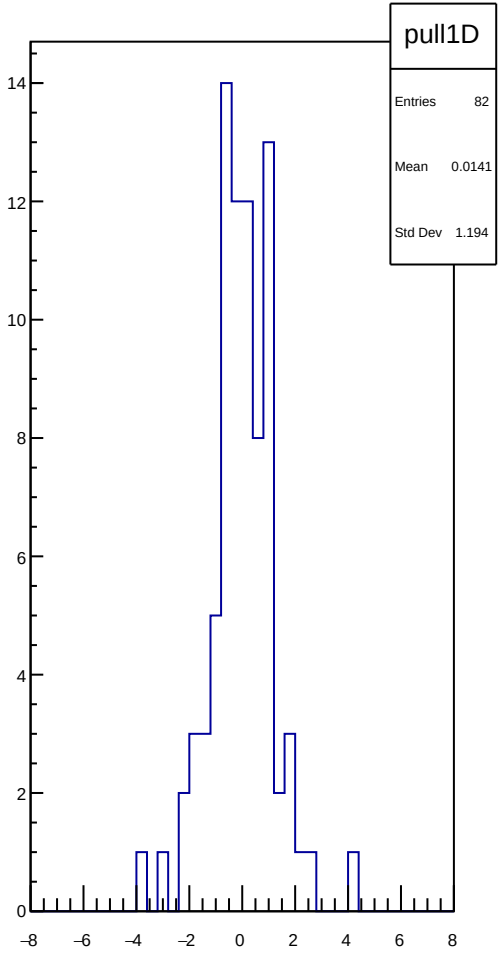

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 141.1 / 81
p0 −2.599 ± 0.1375
pull
Entries 82
Mean 3346
Std Dev 0

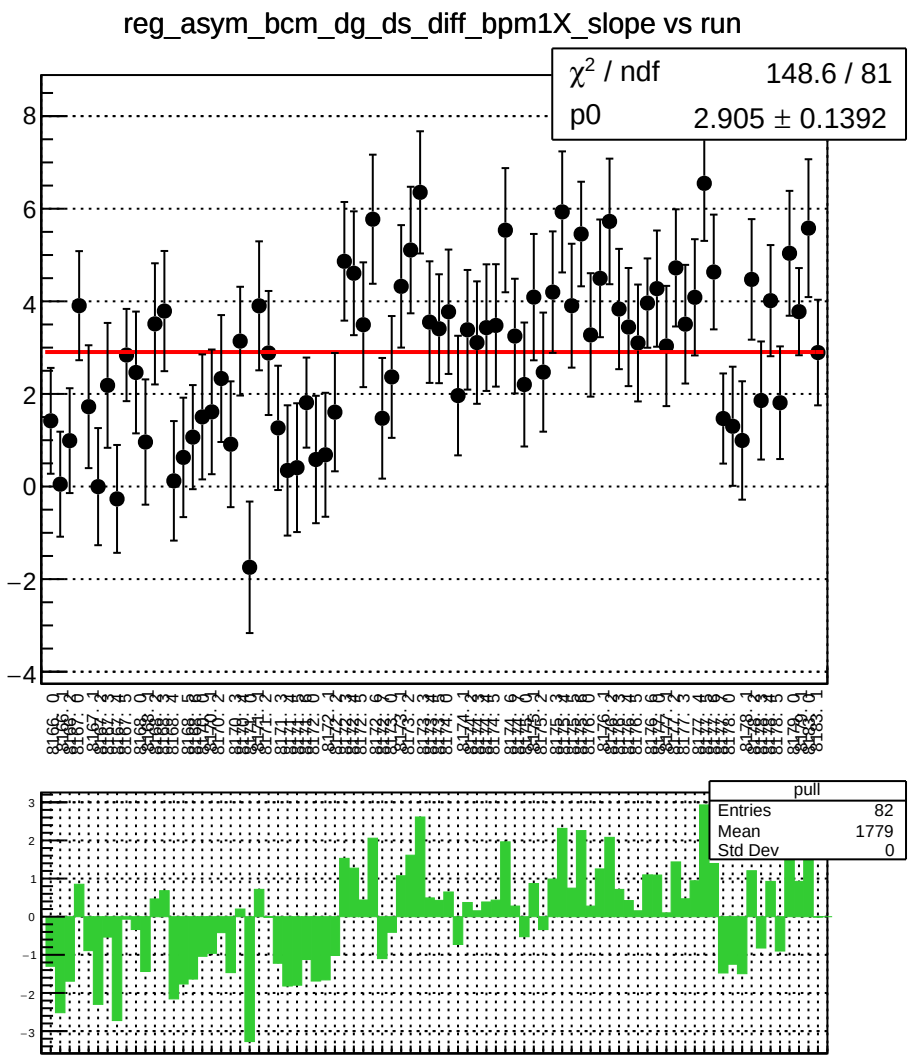

pull1D
Entries 82
Mean −0.004196
Std Dev 1.312

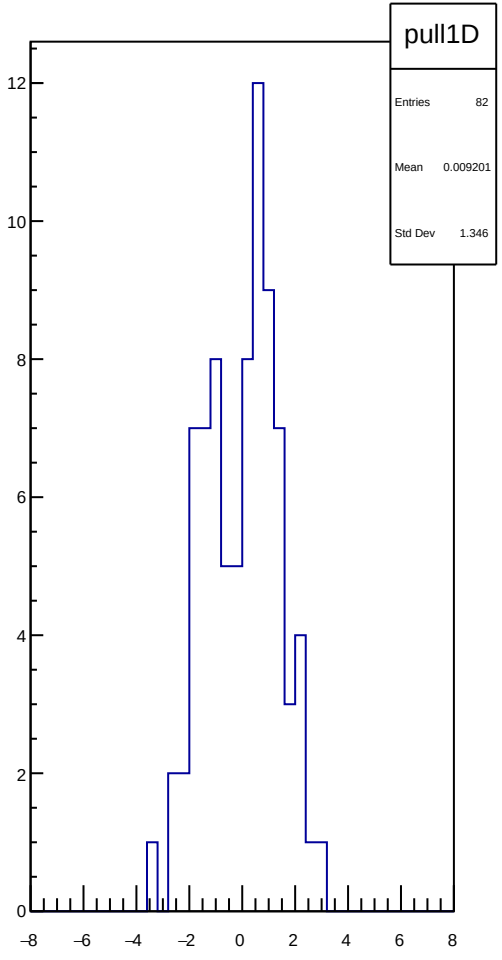

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 73.89 / 81
p0 −1.426 ± 0.272
pull
Entries 82
Mean 17.23
Std Dev 0

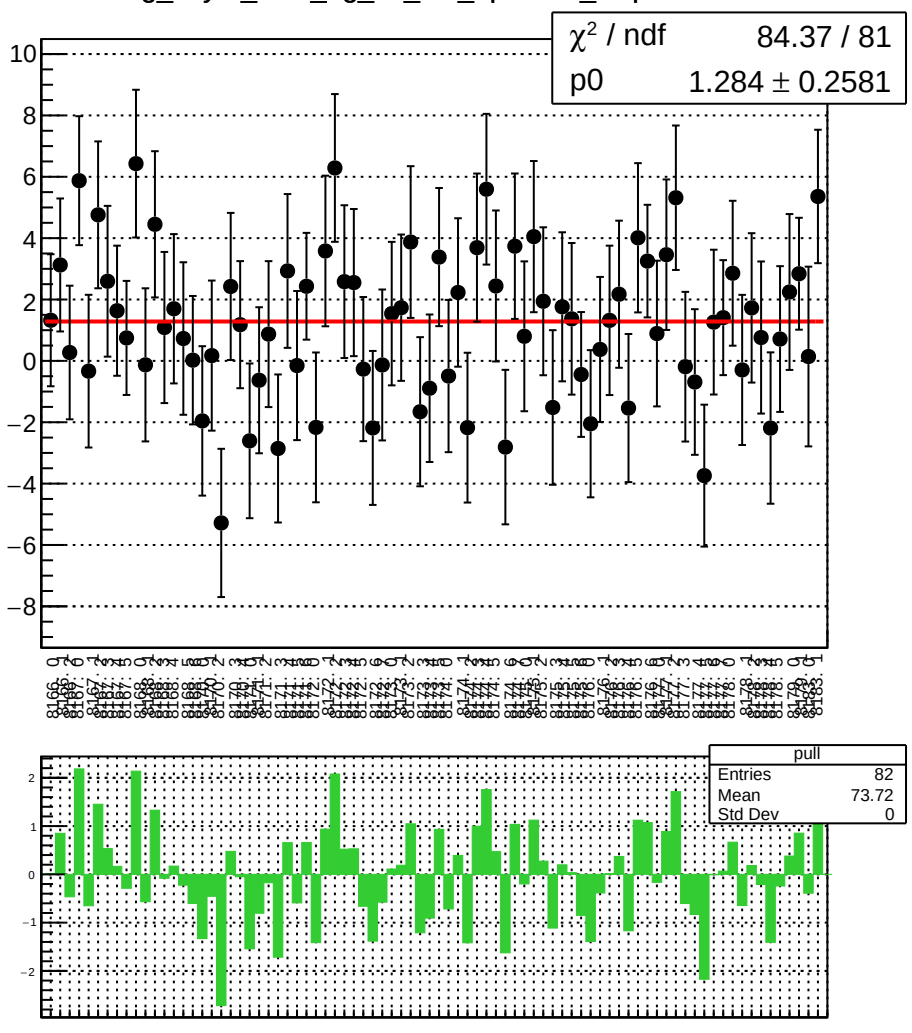

pull1D
Entries 82
Mean 0.01175
Std Dev 0.9492

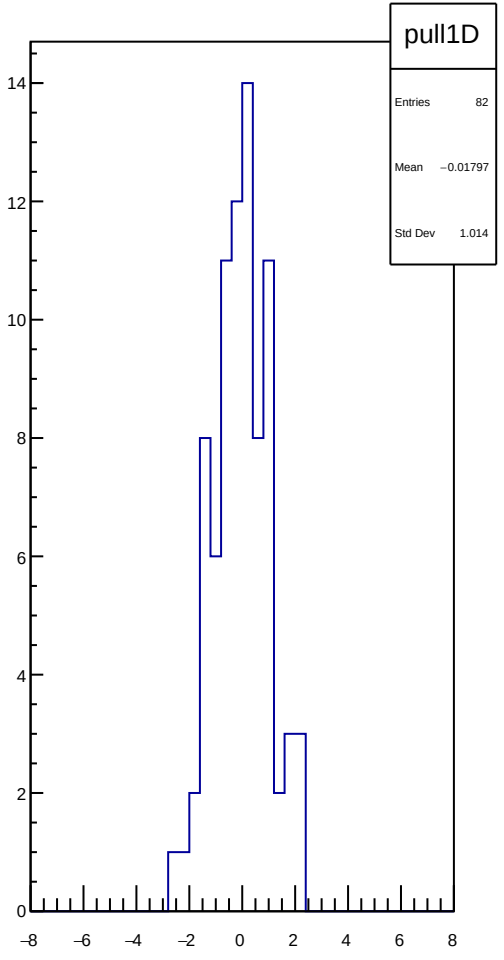

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 116.8 / 81
p0 0.05518 ± 0.01269
pull
Entries 82
Mean 479.4
Std Dev 0

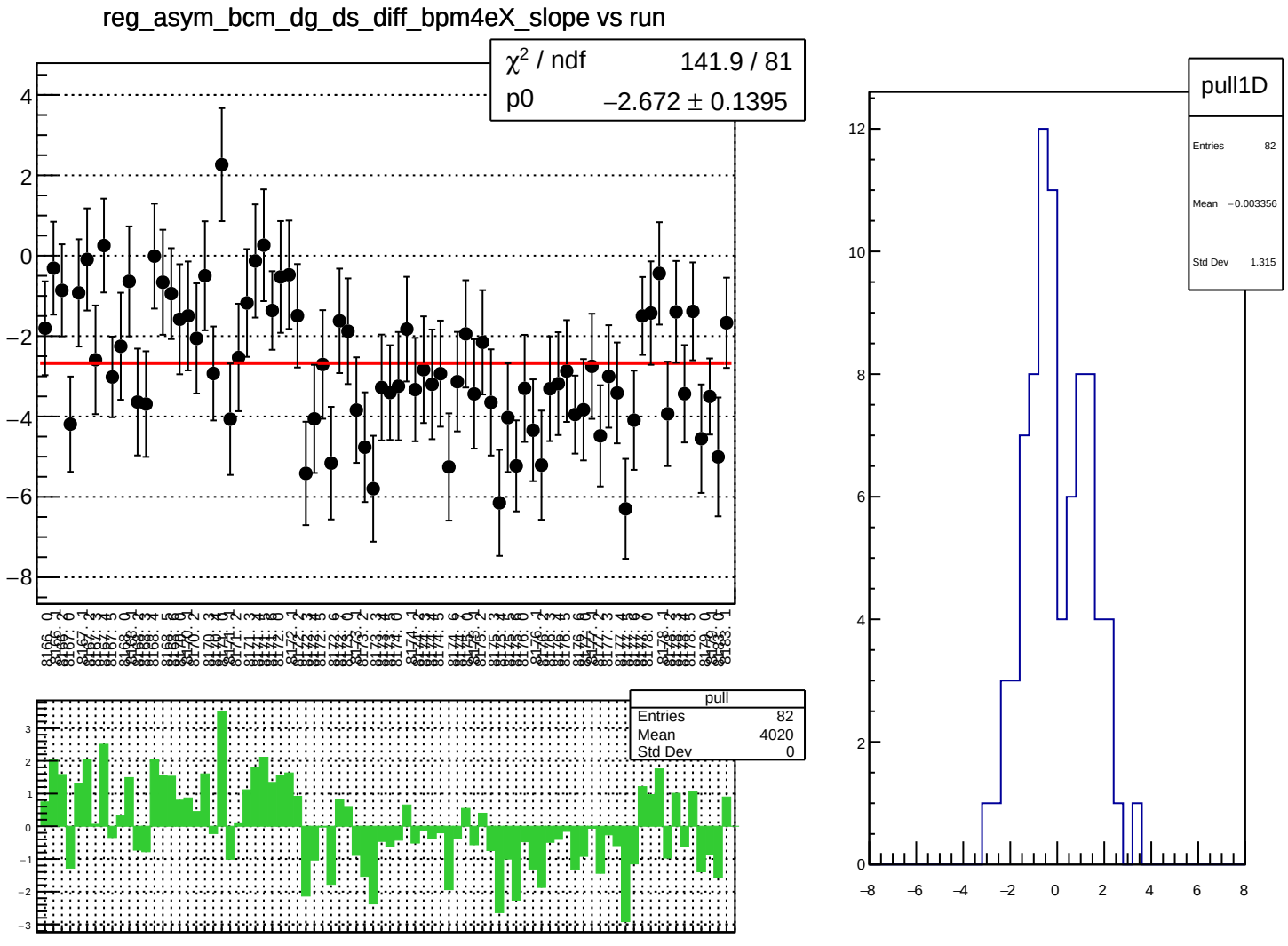

pull1D
Entries 82
Mean 0.0141
Std Dev 1.194

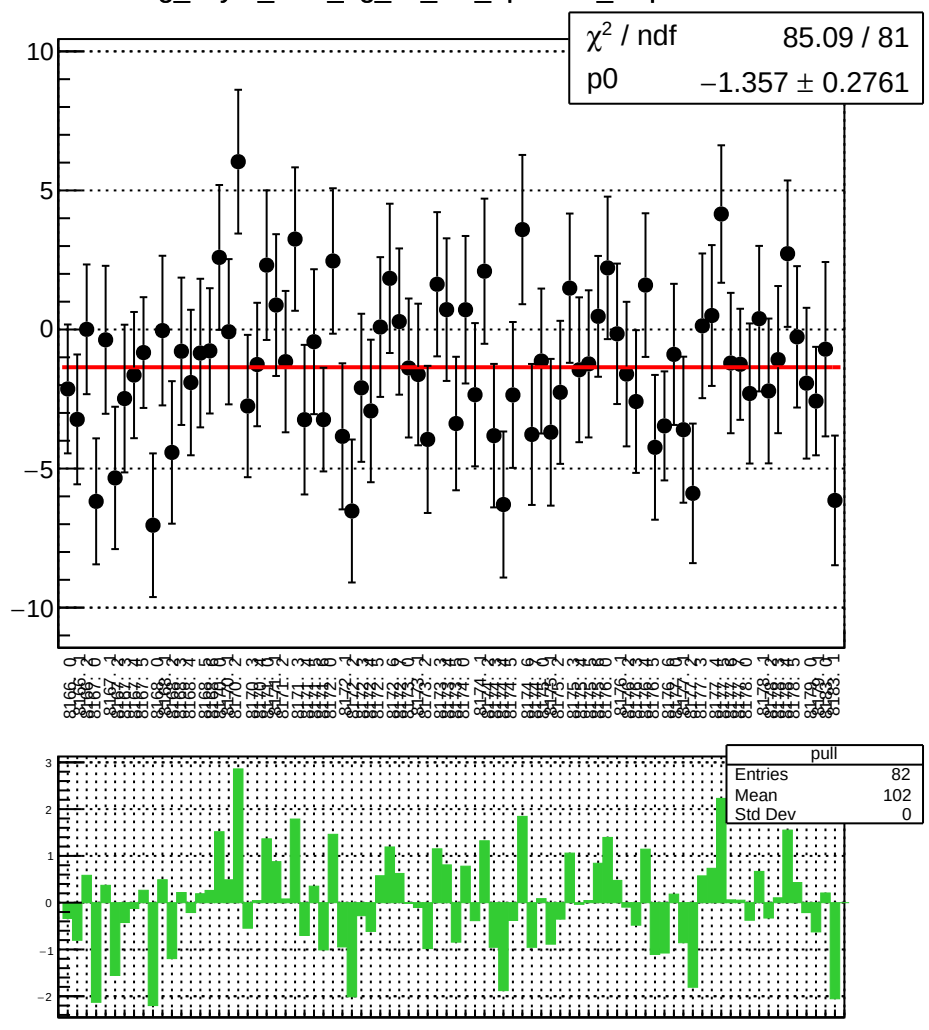

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 148.6 / 81
p0 2.905 ± 0.1392
pull
Entries 82
Mean 1779
Std Dev 0

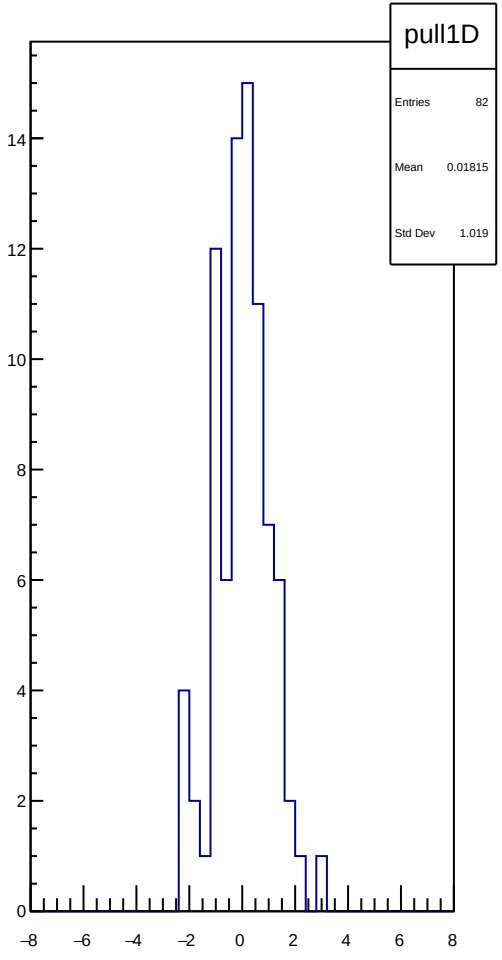

pull1D
Entries 82
Mean 0.009201
Std Dev 1.346

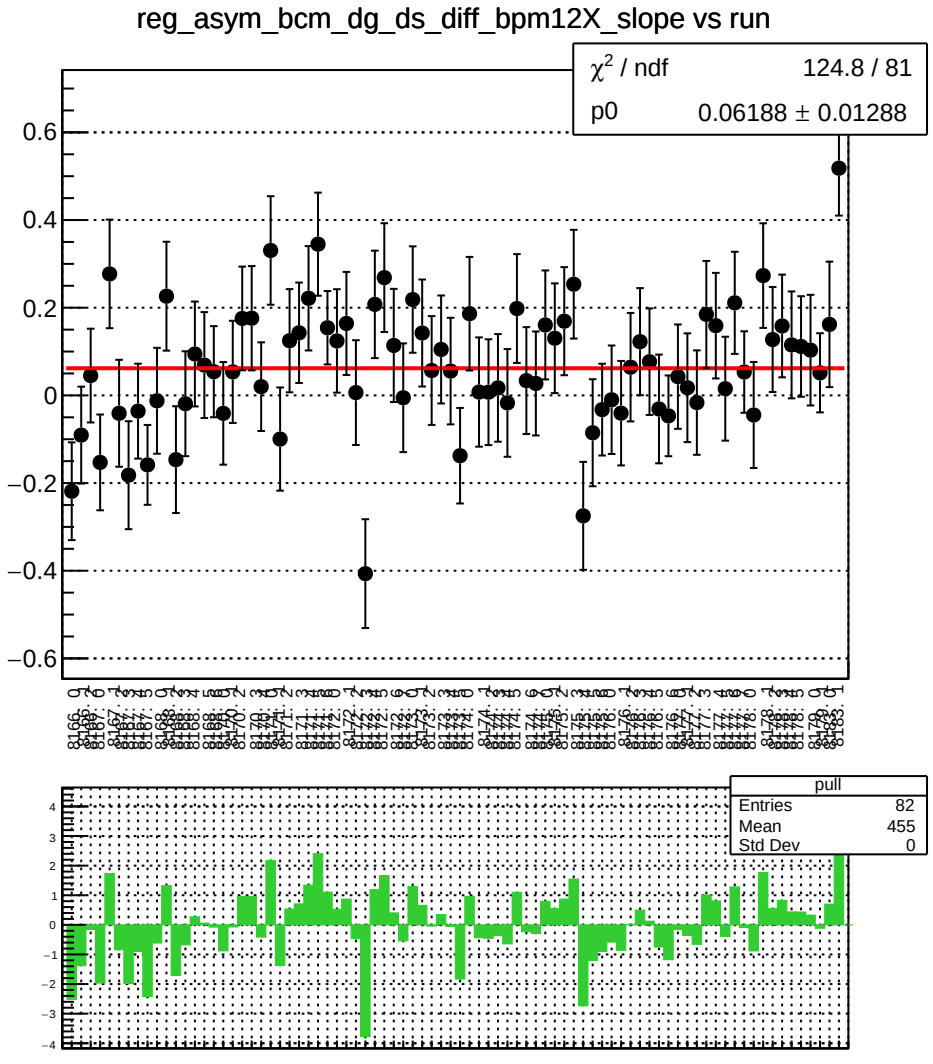

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 84.37 / 81
p0 1.284 ± 0.2581
pull
Entries 82
Mean 73.72
Std Dev 0

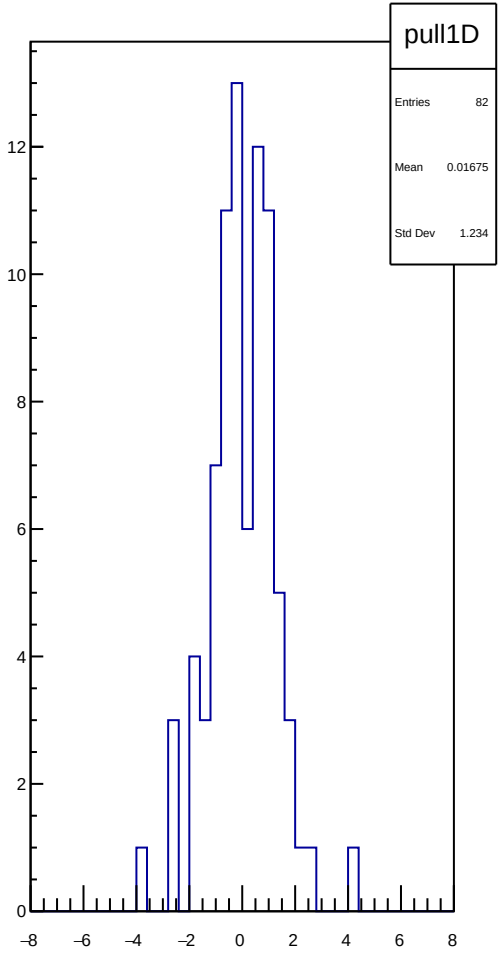

pull1D
Entries 82
Mean −0.01797
Std Dev 1.014

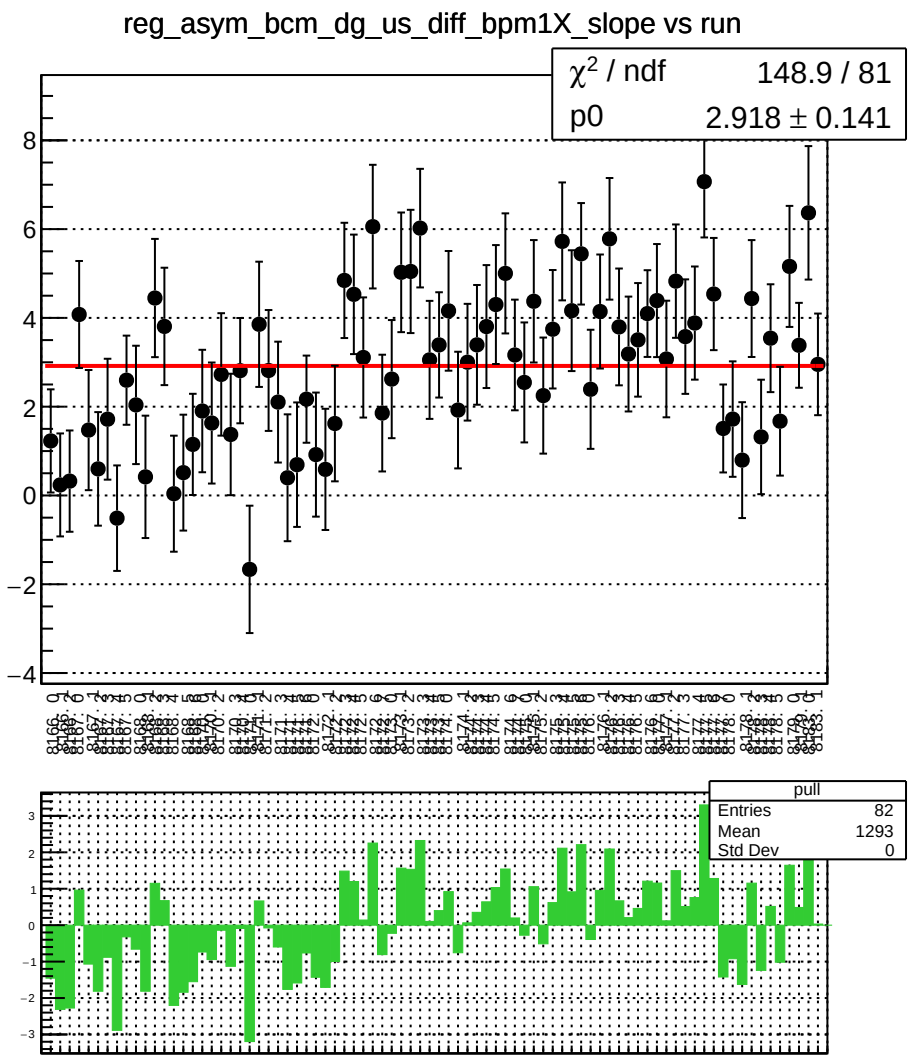

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 141.9 / 81
p0 −2.672 ± 0.1395
pull
Entries 82
Mean 4020
Std Dev 0
pull1D
Entries 82
Mean −0.003356
Std Dev 1.315

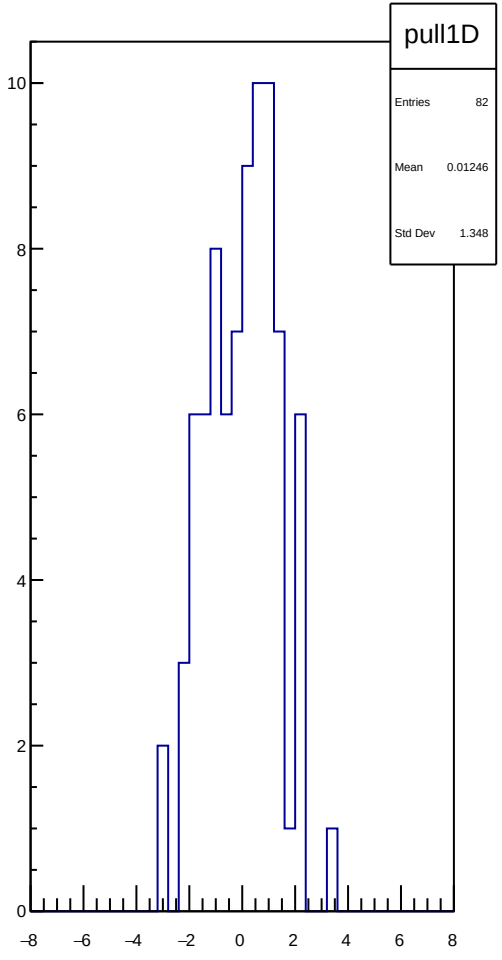

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 85.09 / 81
p0 −1.357 ± 0.2761
pull
Entries 82
Mean 102
Std Dev 0

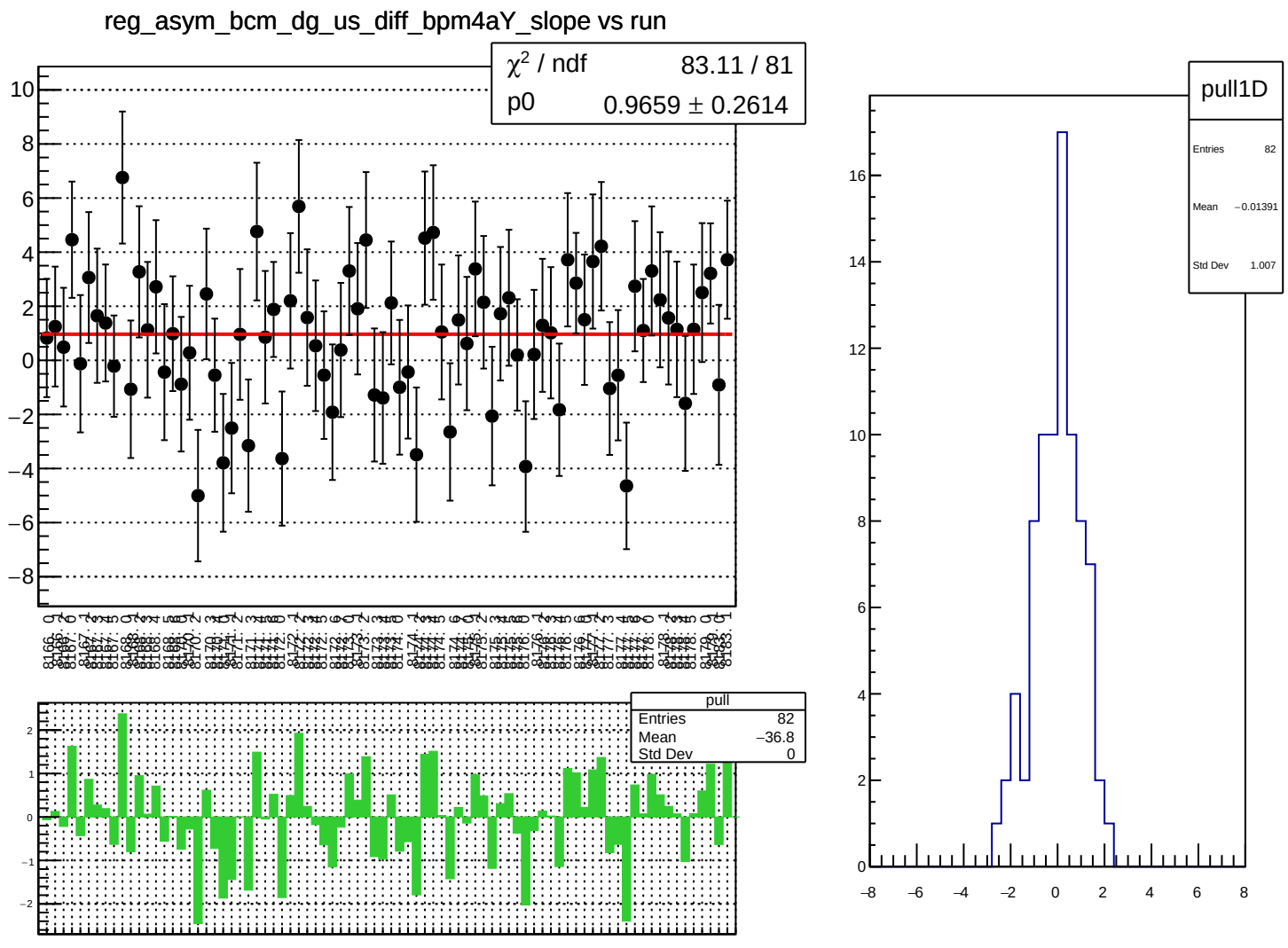

pull1D
Entries 82
Mean 0.01815
Std Dev 1.019

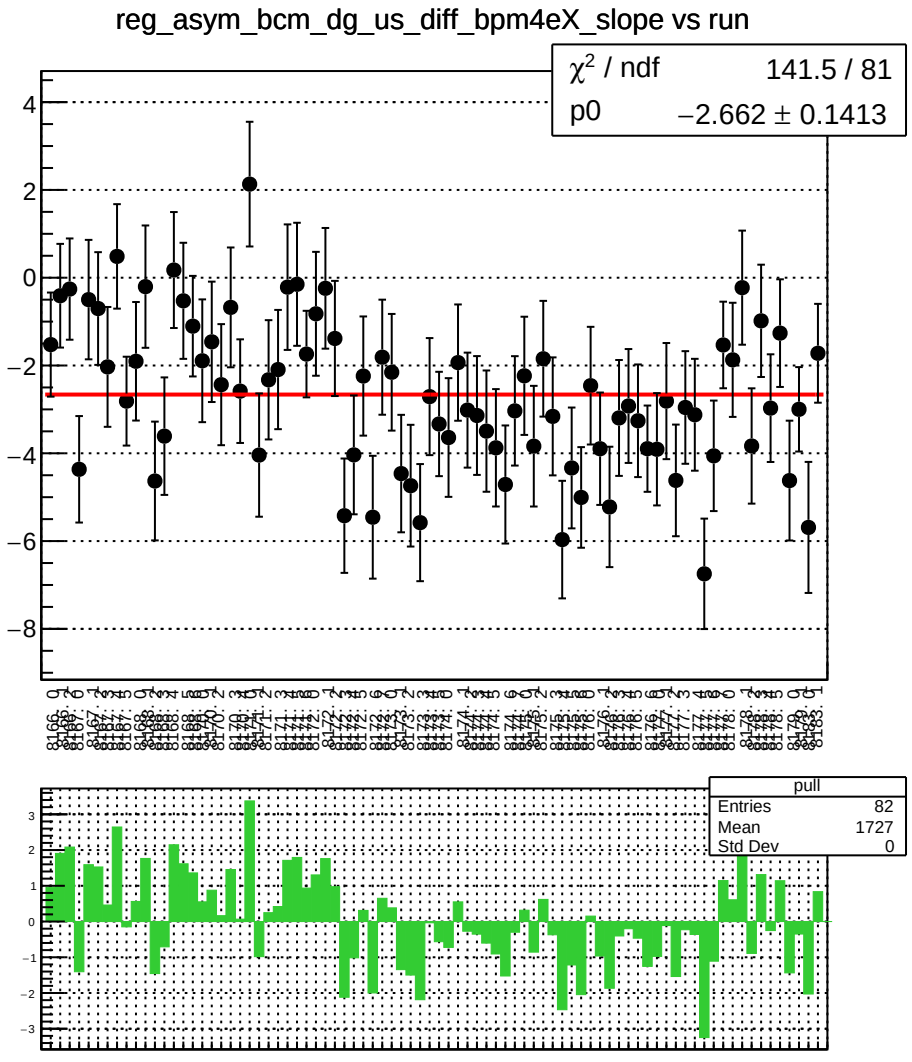

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 124.8 / 81
p0 0.06188 ± 0.01288
pull
Entries 82
Mean 455
Std Dev 0

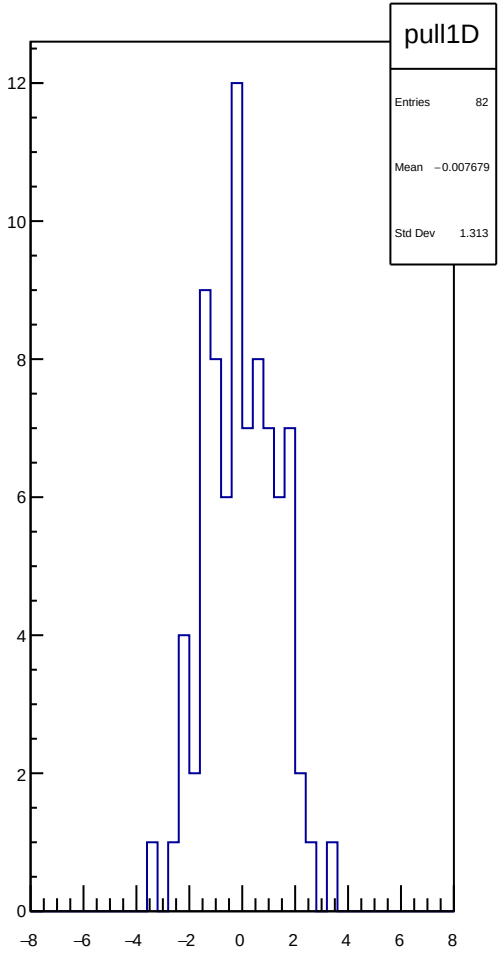

pull1D
Entries 82
Mean 0.01675
Std Dev 1.234

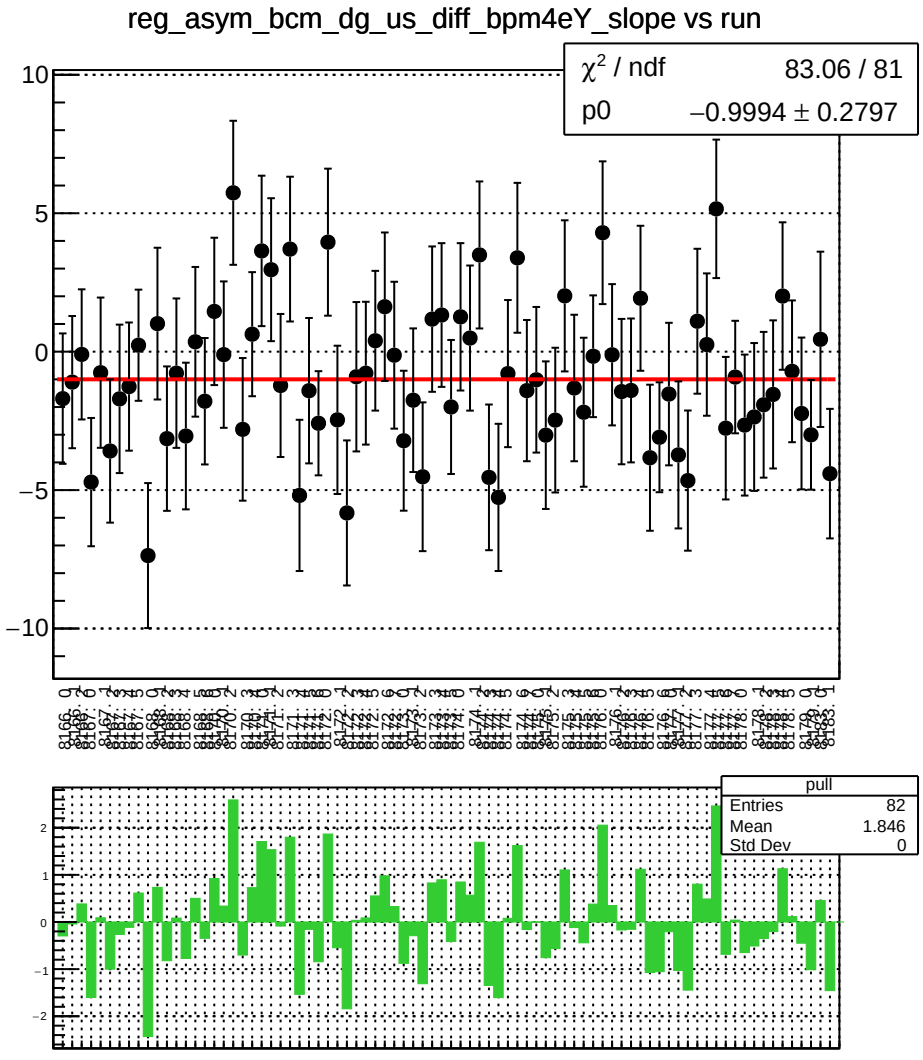

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 148.9 / 81
p0 2.918 ± 0.141
pull
Entries 82
Mean 1293
Std Dev 0

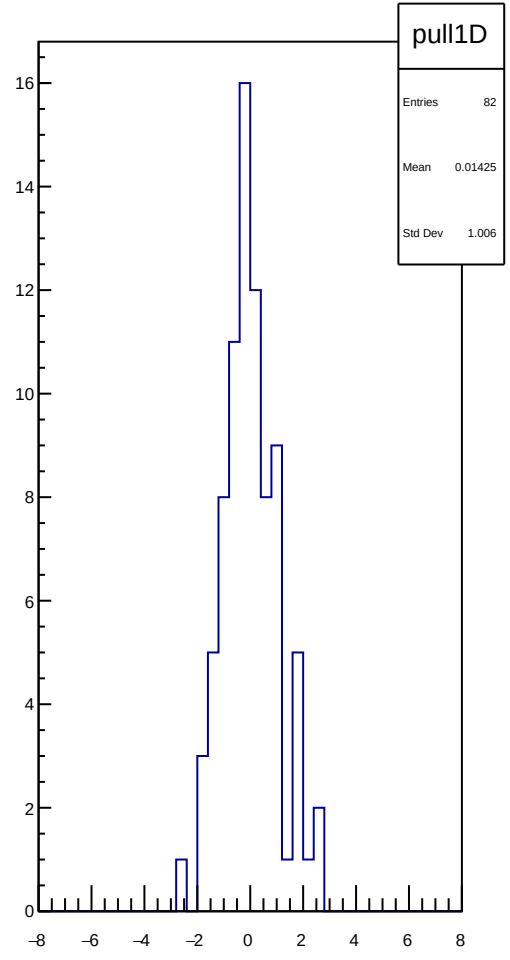

pull1D
Entries 82
Mean 0.01246
Std Dev 1.348

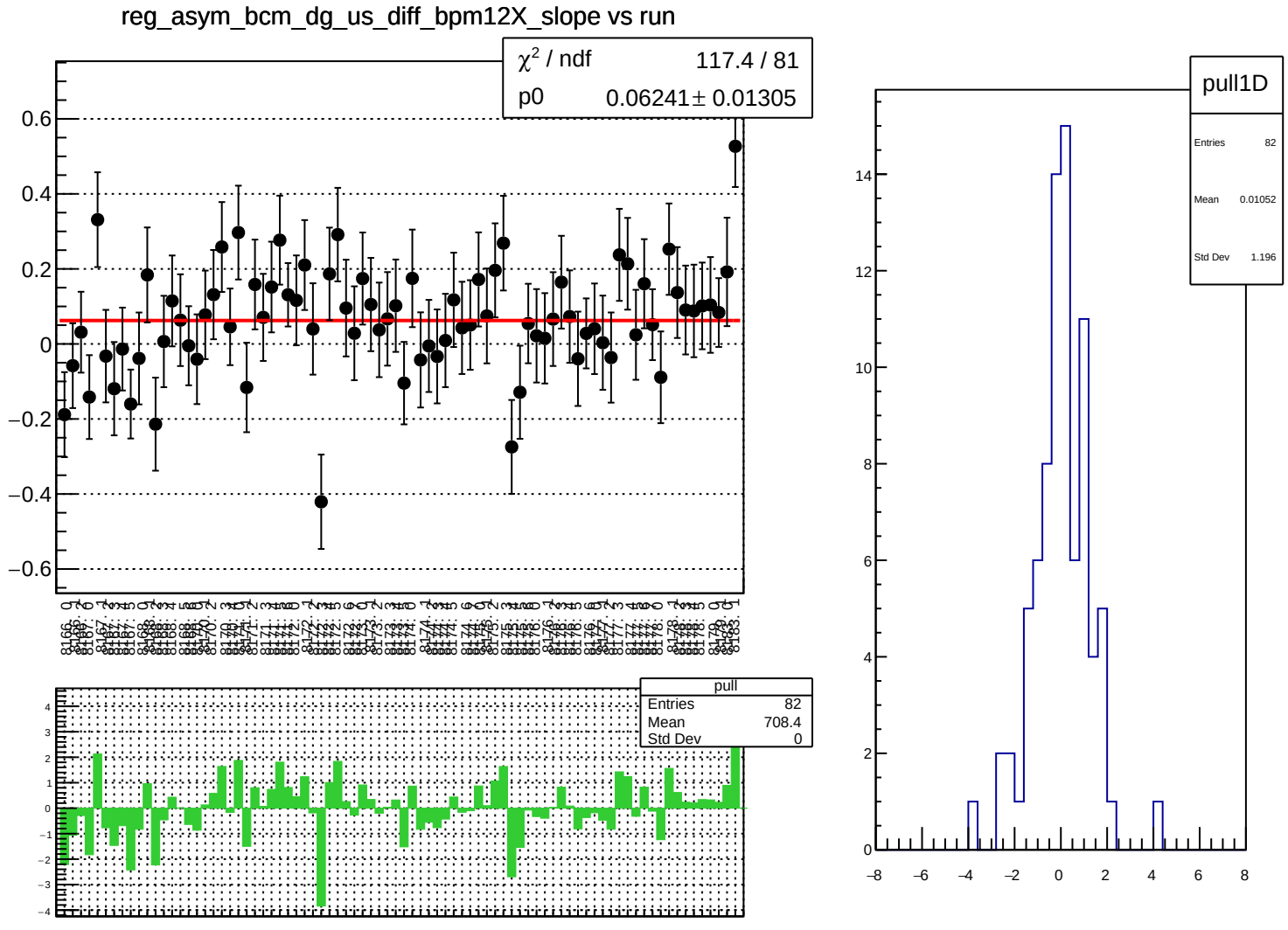

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 83.11 / 81
p0 0.9659 ± 0.2614
pull
Entries 82
Mean −36.8
Std Dev 0
pull1D
Entries 82
Mean −0.01391
Std Dev 1.007

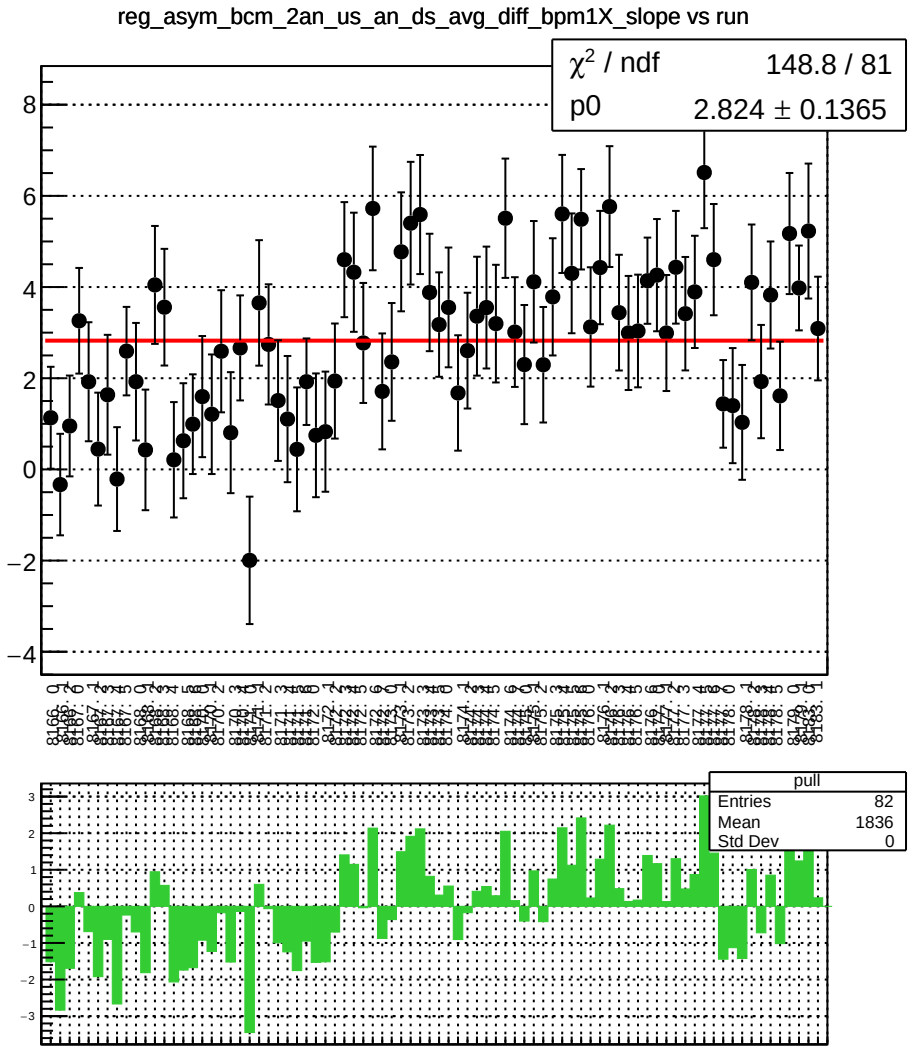

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 141.5 / 81
p0 −2.662 ± 0.1413
pull
Entries 82
Mean 1727
Std Dev 0

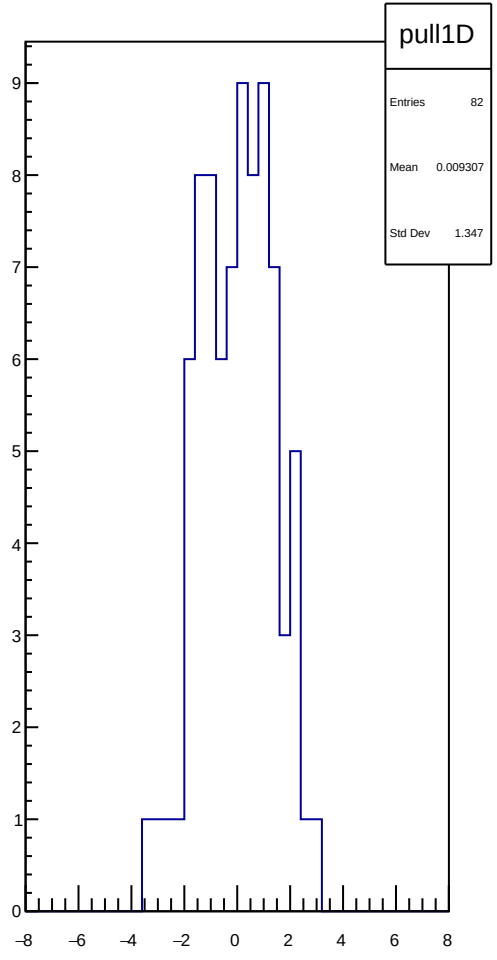

pull1D
Entries 82
Mean −0.007679
Std Dev 1.313

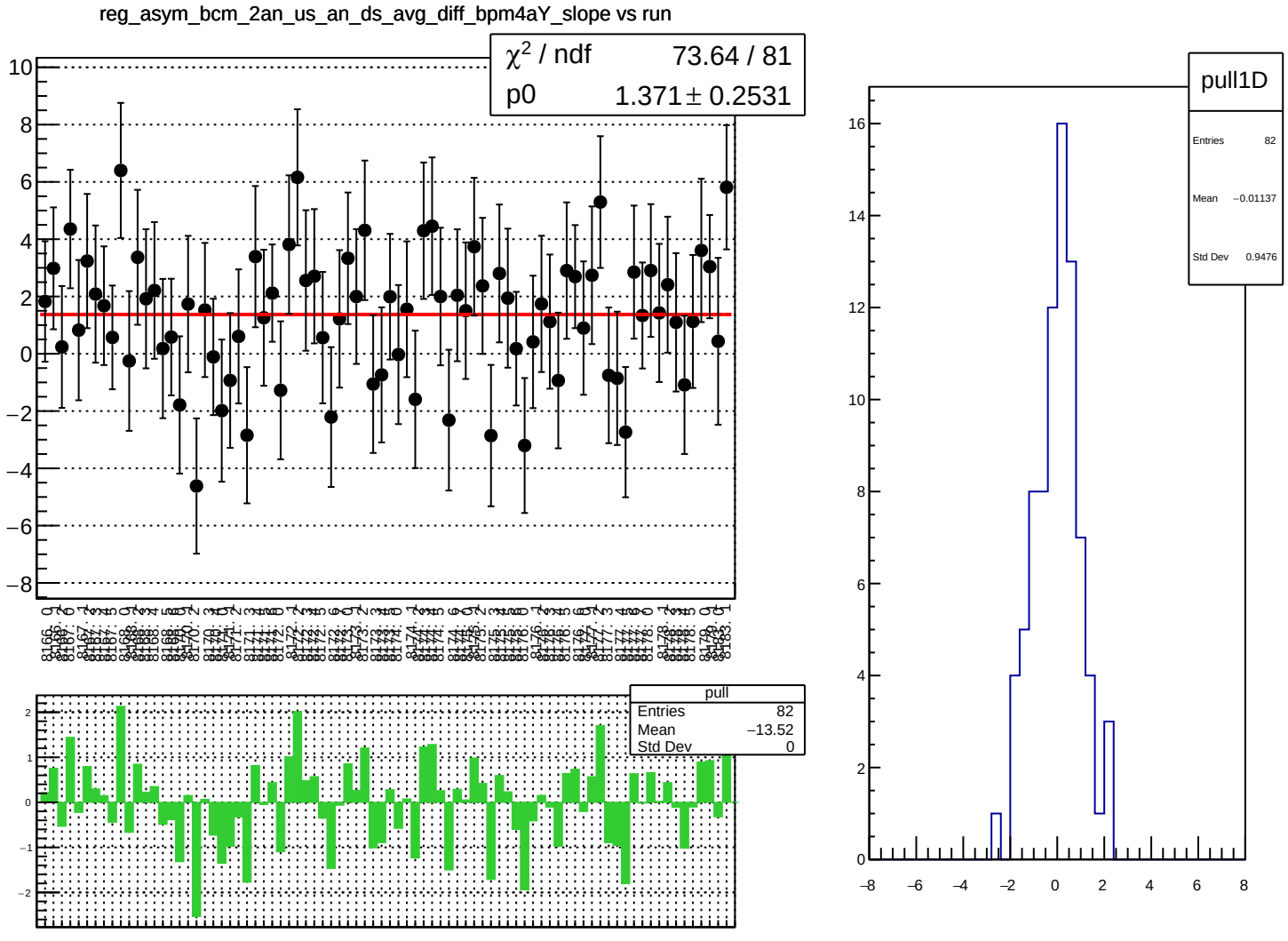

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 83.06 / 81
p0 −0.9994 ± 0.2797
pull
Entries 82
Mean 1.846
Std Dev 0

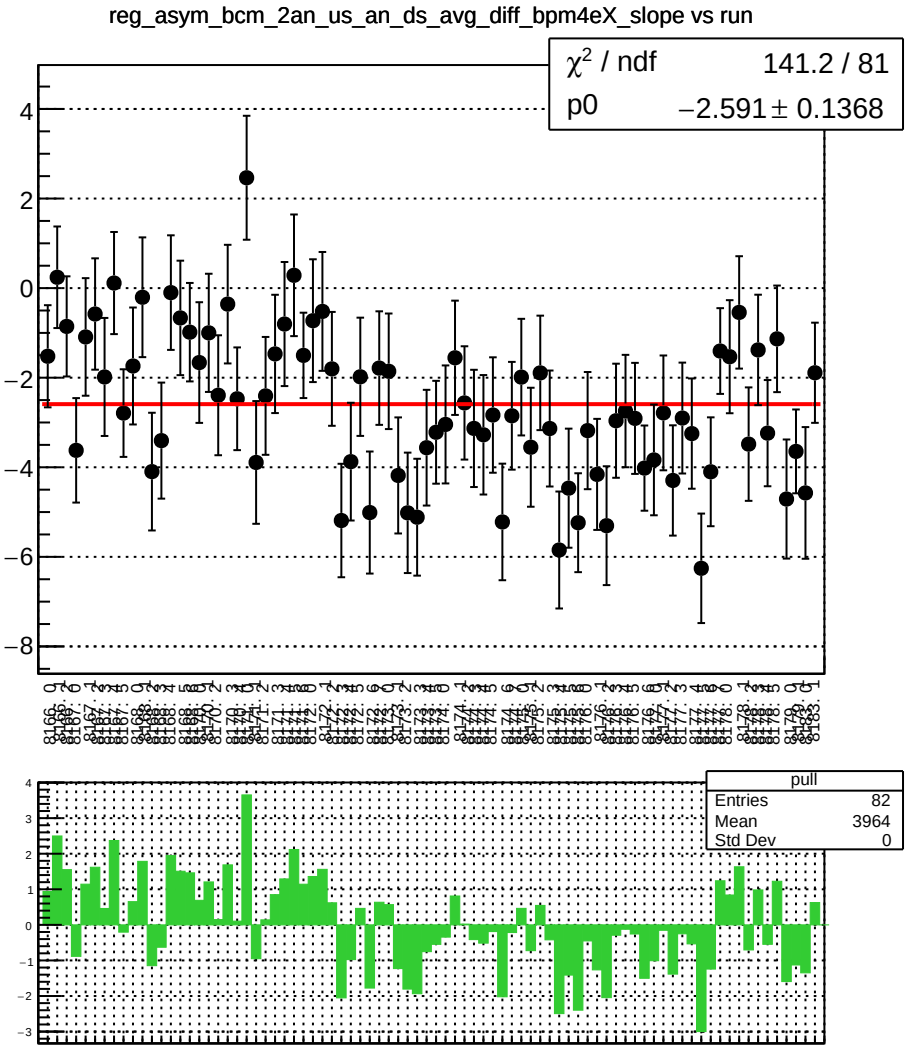

pull1D
Entries 82
Mean 0.01425
Std Dev 1.006

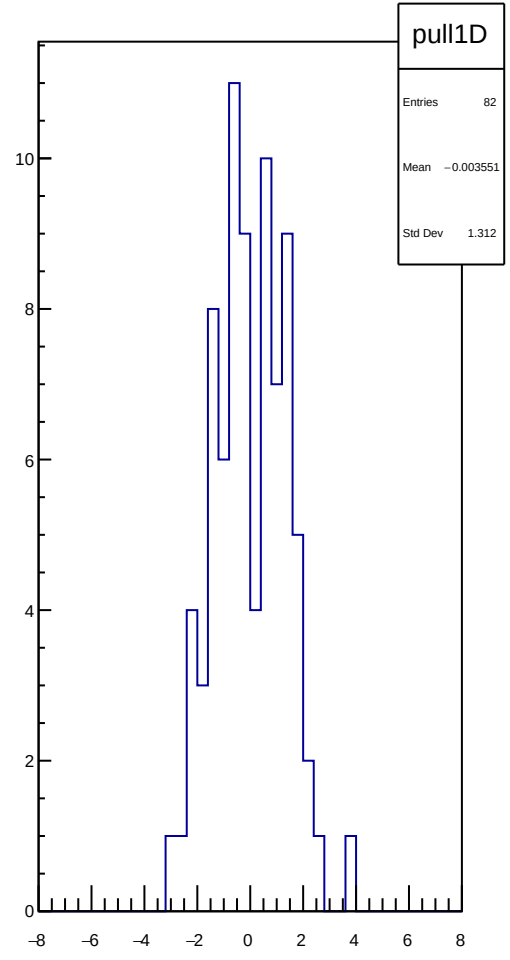

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 117.4 / 81
p0 0.06241 ± 0.01305
pull
Entries 82
Mean 708.4
Std Dev 0
pull1D
Entries 82
Mean 0.01052
Std Dev 1.196

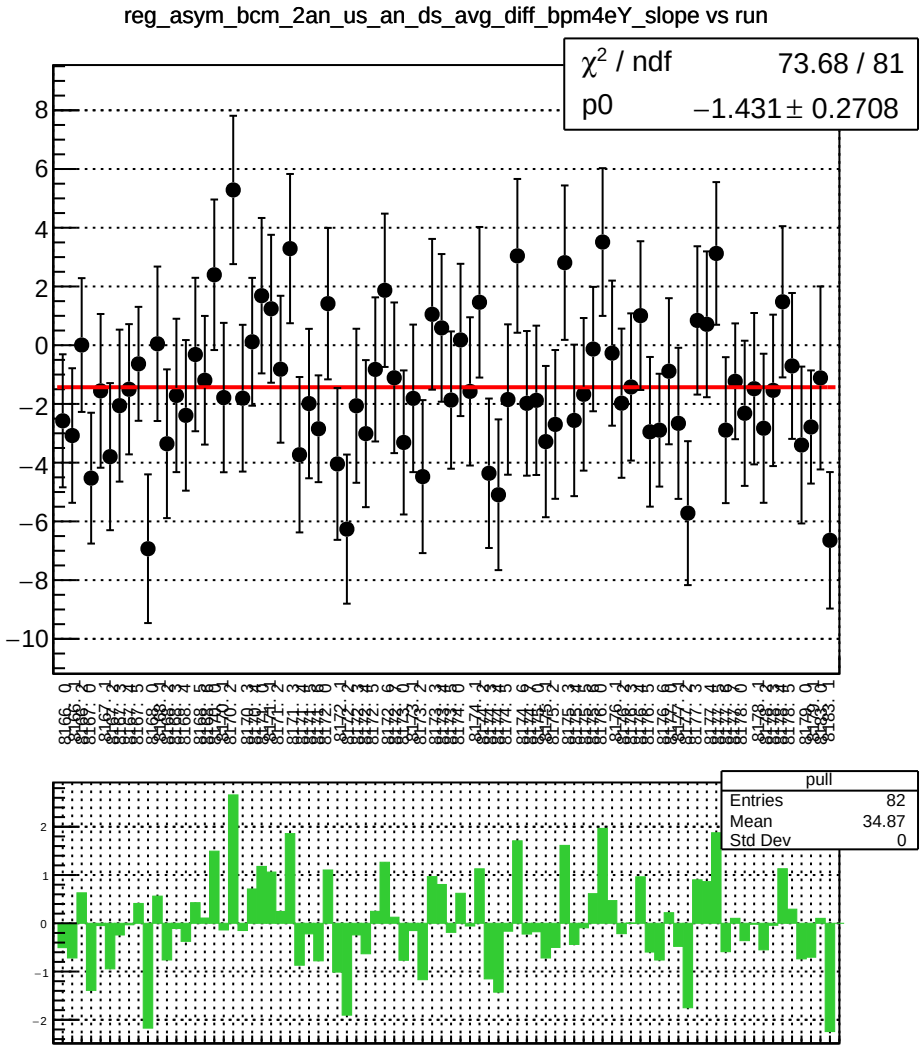

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 148.8 / 81
p0 2.824 ± 0.1365
pull
Entries 82
Mean 1836
Std Dev 0

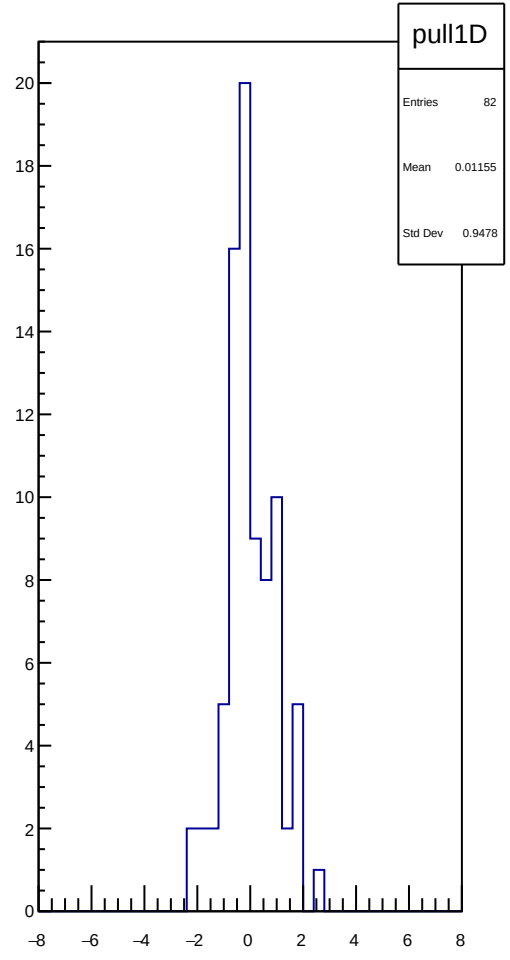

pull1D
Entries 82
Mean 0.009307
Std Dev 1.347

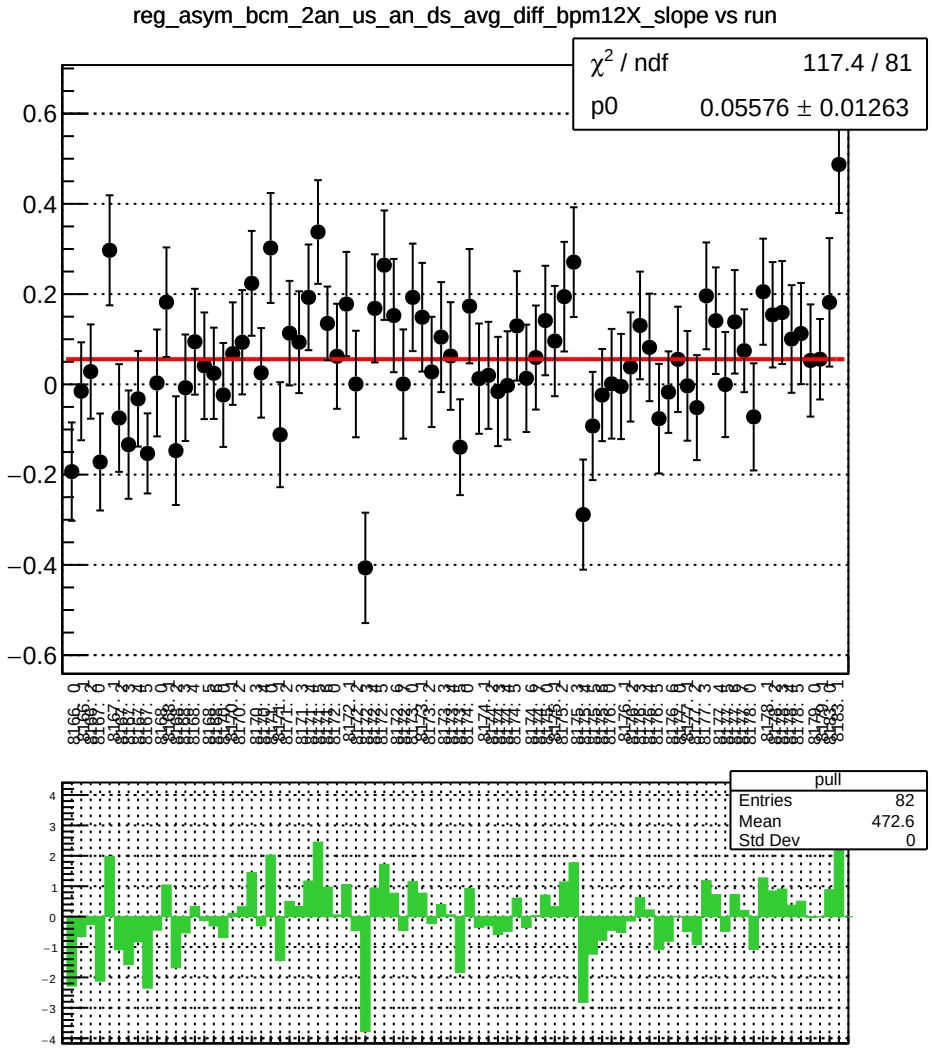

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.64 / 81
p0 1.371 ± 0.2531
pull
Entries 82
Mean −13.52
Std Dev 0
pull1D
Entries 82
Mean −0.01137
Std Dev 0.9476

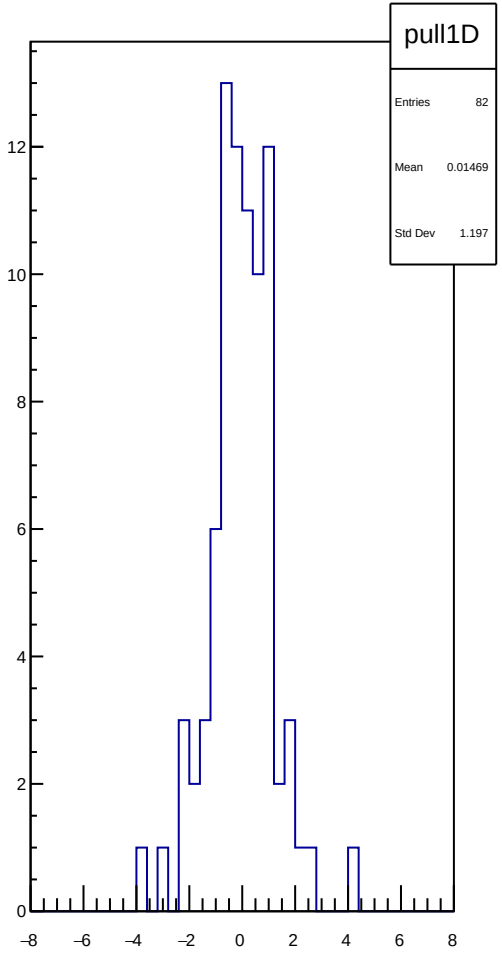

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 141.2 / 81
p0 −2.591 ± 0.1368
pull
Entries 82
Mean 3964
Std Dev 0

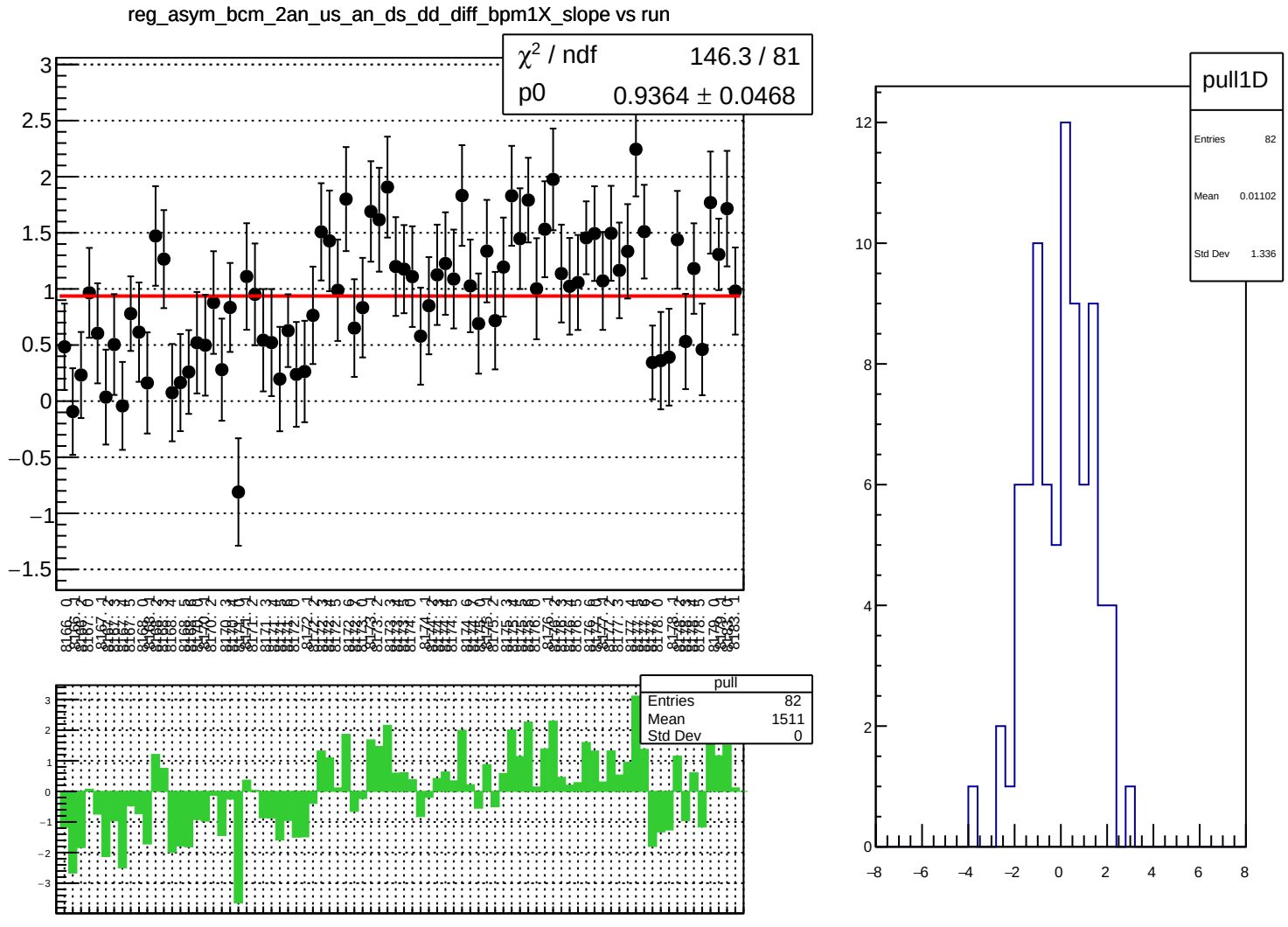

pull1D
Entries 82
Mean −0.003551
Std Dev 1.312

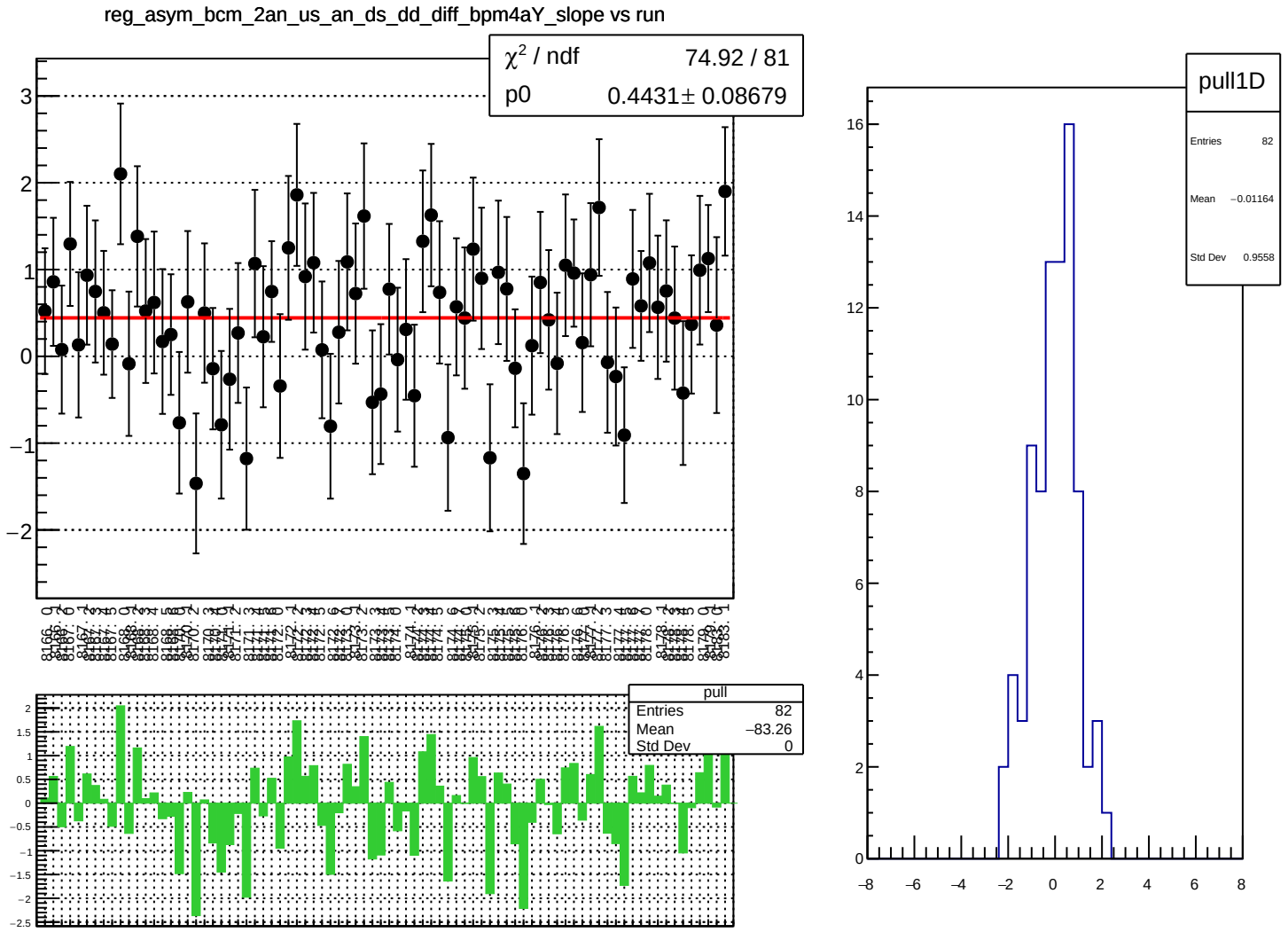

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.68 / 81
p0 −1.431 ± 0.2708
pull
Entries 82
Mean 34.87
Std Dev 0

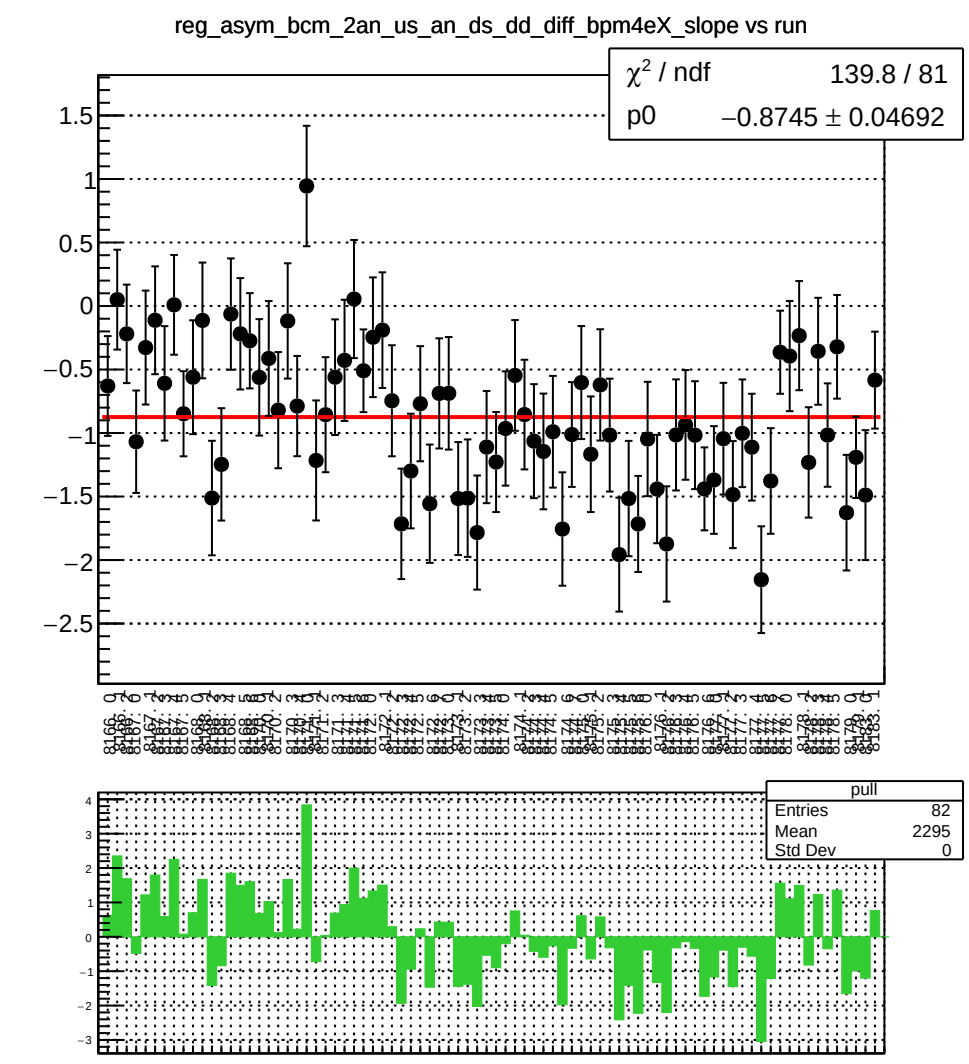

pull1D
Entries 82
Mean 0.01155
Std Dev 0.9478

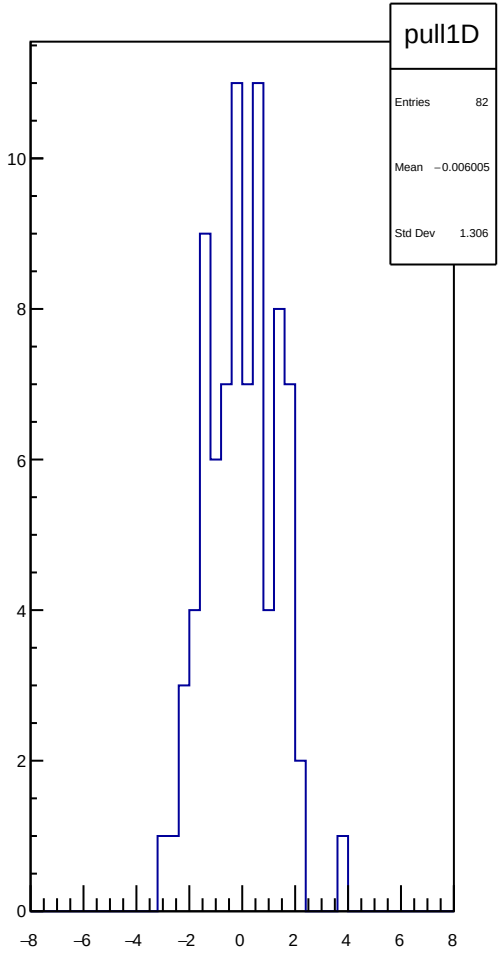

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 117.4 / 81
p0 0.05576 ± 0.01263
pull
Entries 82
Mean 472.6
Std Dev 0

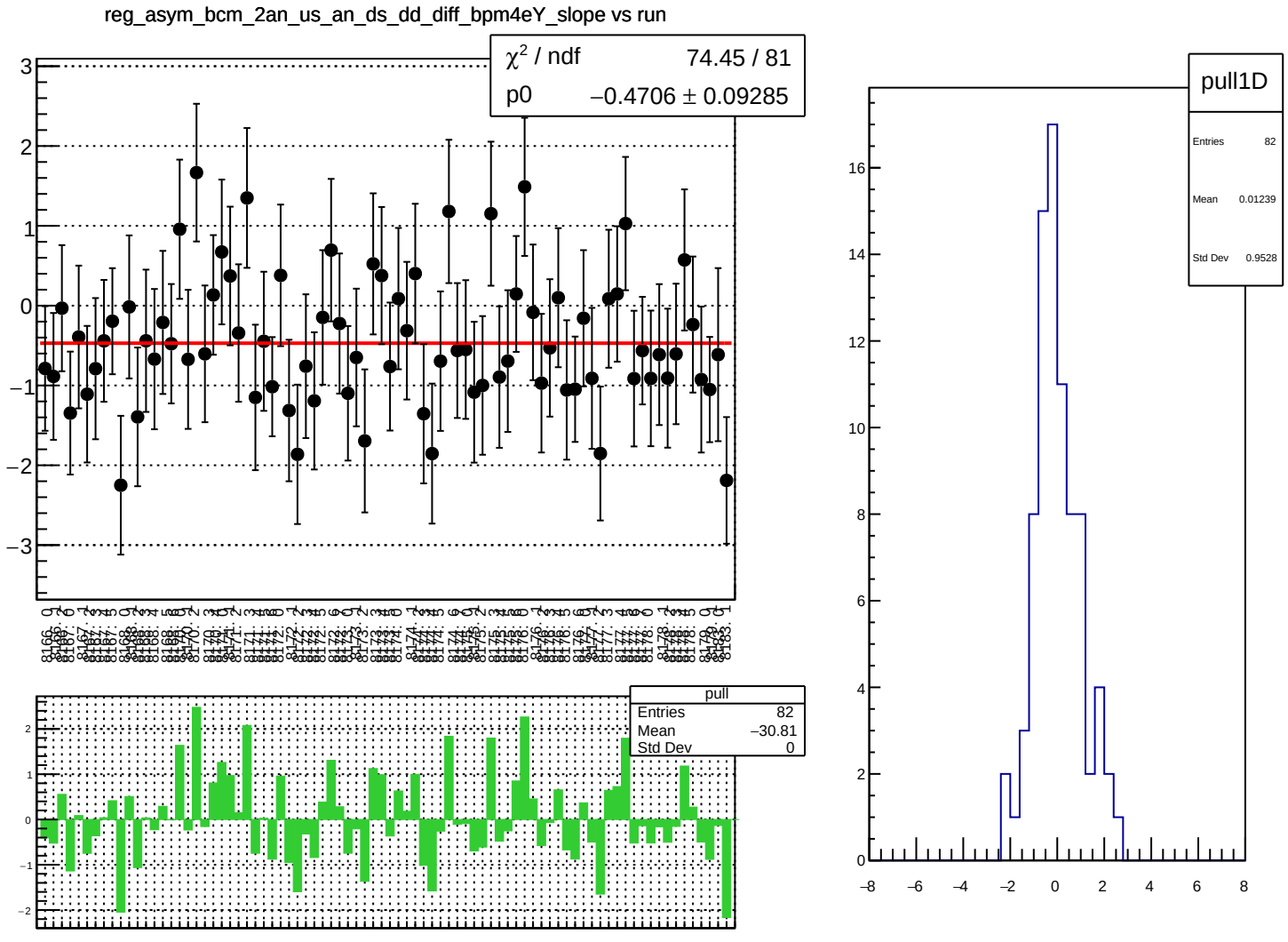

pull1D
Entries 82
Mean 0.01469
Std Dev 1.197

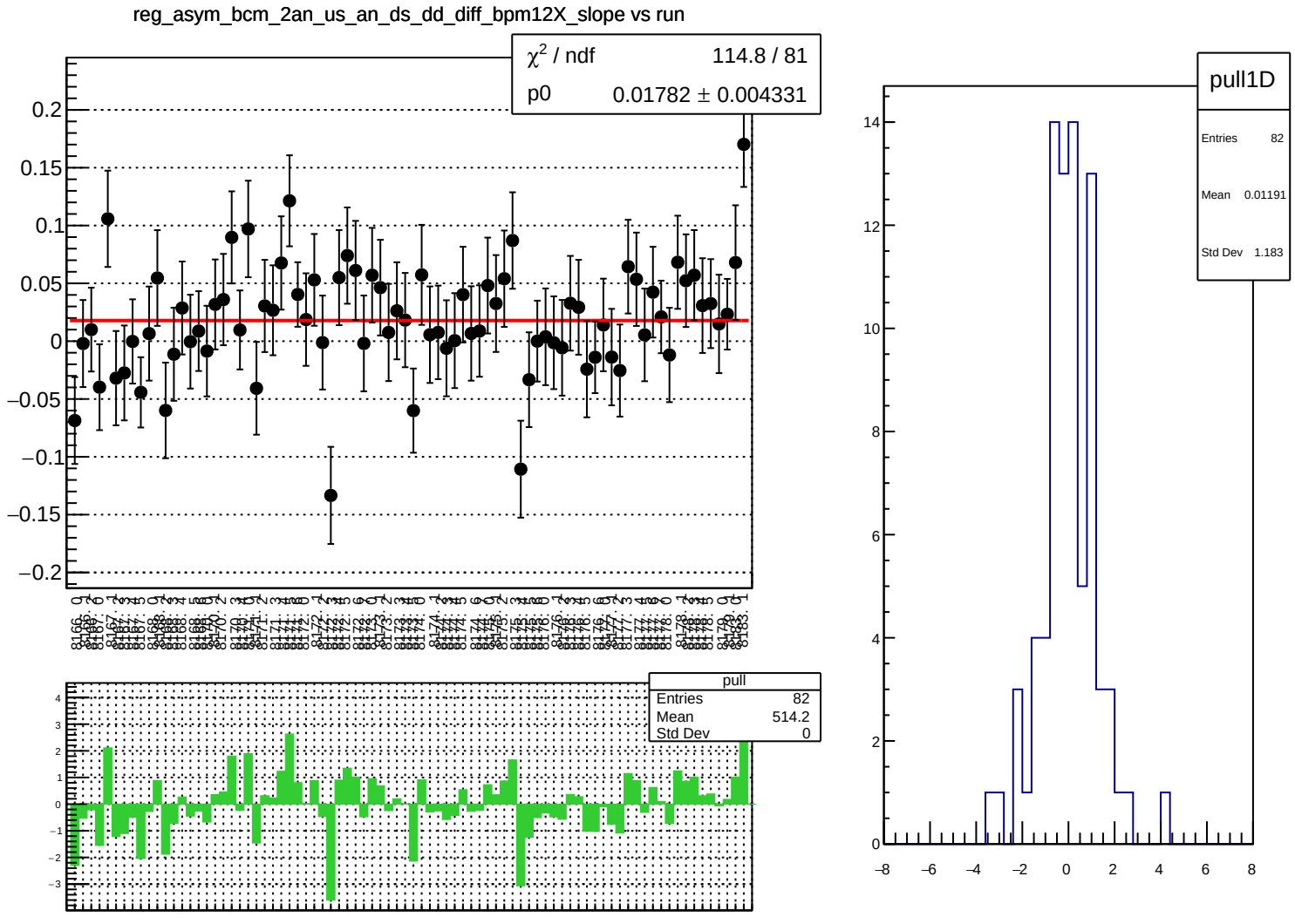

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 146.3 / 81
p0 0.9364 ± 0.0468
pull
Entries 82
Mean 1511
Std Dev 0
pull1D
Entries 82
Mean 0.01102
Std Dev 1.336

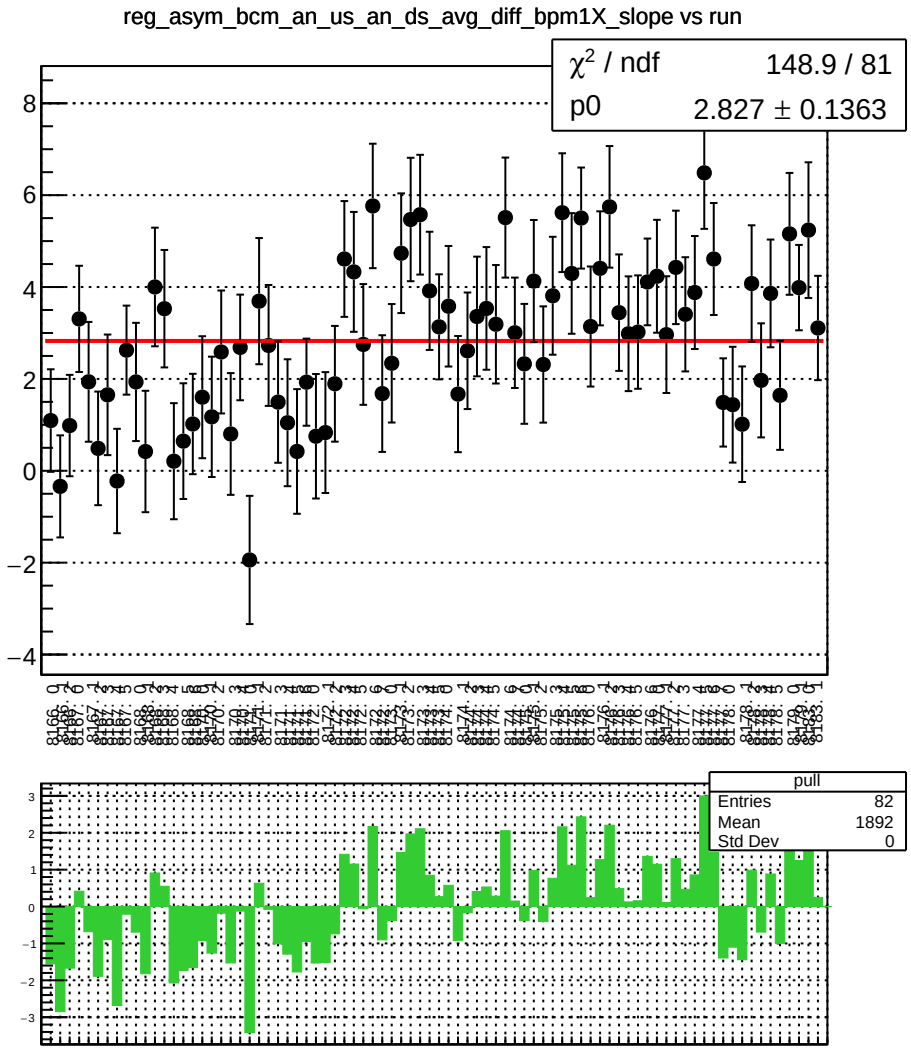

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.92 / 81
p0 0.4431± 0.08679
pull
Entries 82
Mean −83.26
Std Dev 0
pull1D
Entries 82
Mean −0.01164
Std Dev 0.9558

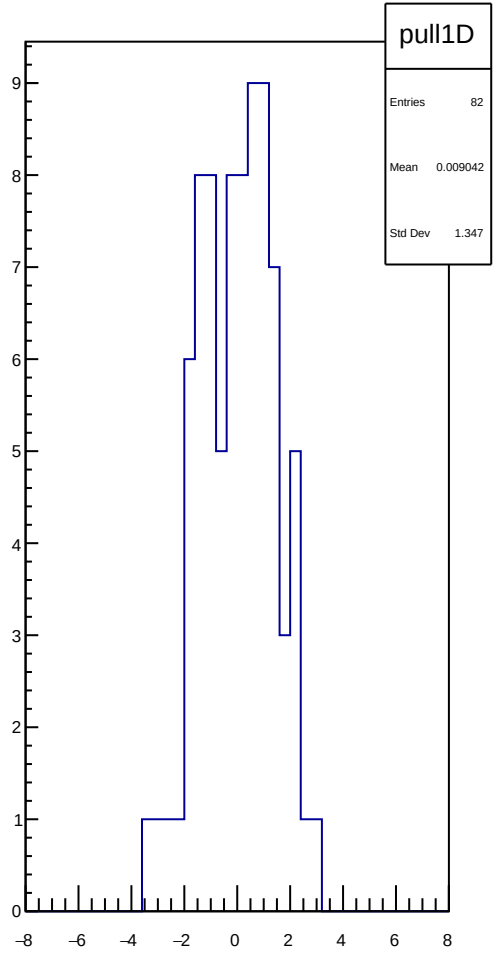

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 139.8 / 81
p0 −0.8745 ± 0.04692
pull
Entries 82
Mean 2295
Std Dev 0

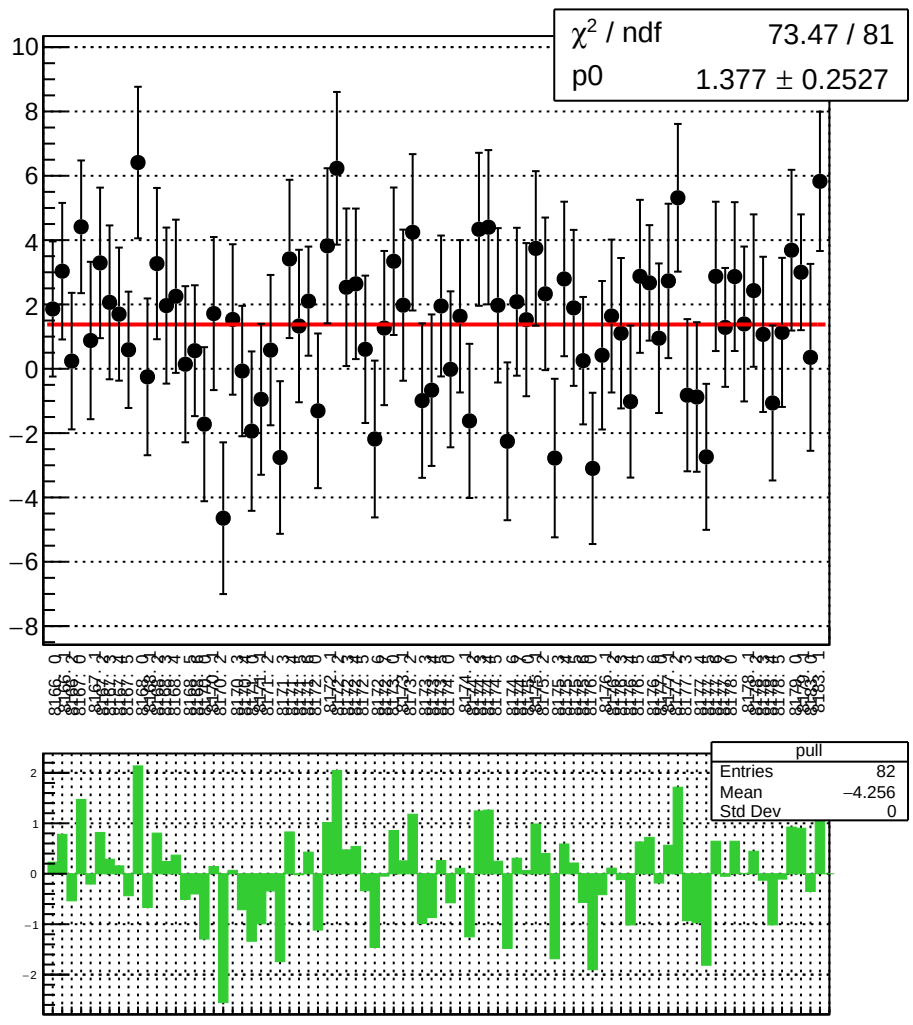

pull1D
Entries 82
Mean −0.006005
Std Dev 1.306

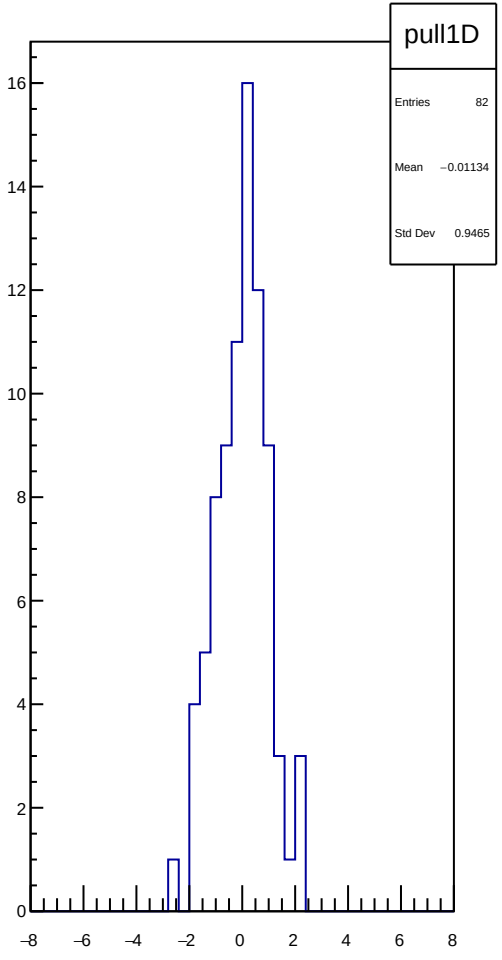

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.45 / 81
p0 −0.4706 ± 0.09285
pull
Entries 82
Mean −30.81
Std Dev 0
pull1D
Entries 82
Mean 0.01239
Std Dev 0.9528

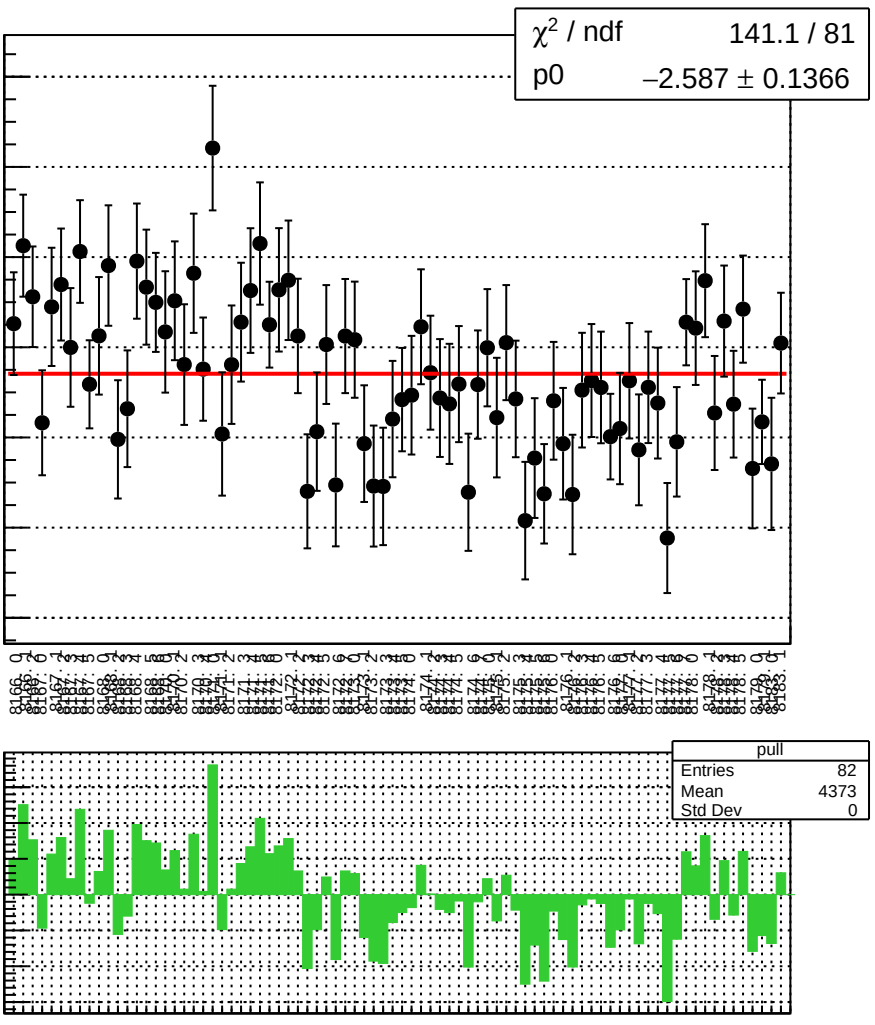

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 114.8 / 81
p0 0.01782 ± 0.004331
pull
Entries 82
Mean 514.2
Std Dev 0
pull1D
Entries 82
Mean 0.01191
Std Dev 1.183

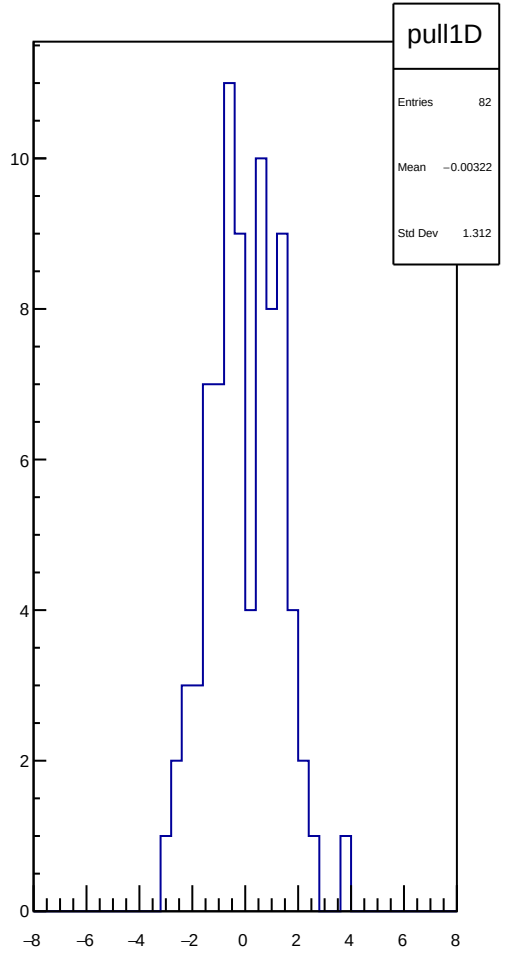

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 148.9 / 81
p0 2.827 ± 0.1363
pull
Entries 82
Mean 1892
Std Dev 0

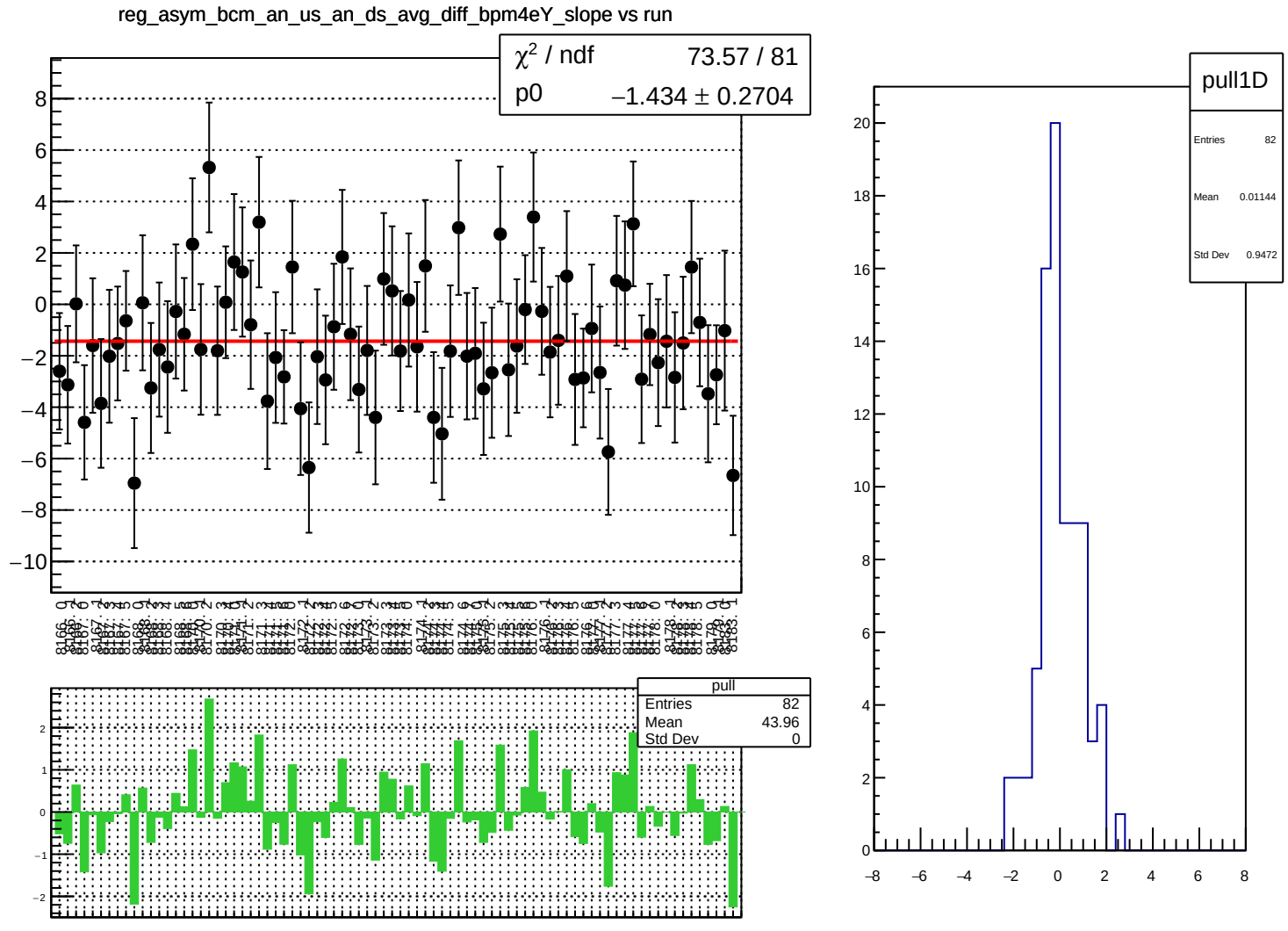

pull1D
Entries 82
Mean 0.009042
Std Dev 1.347

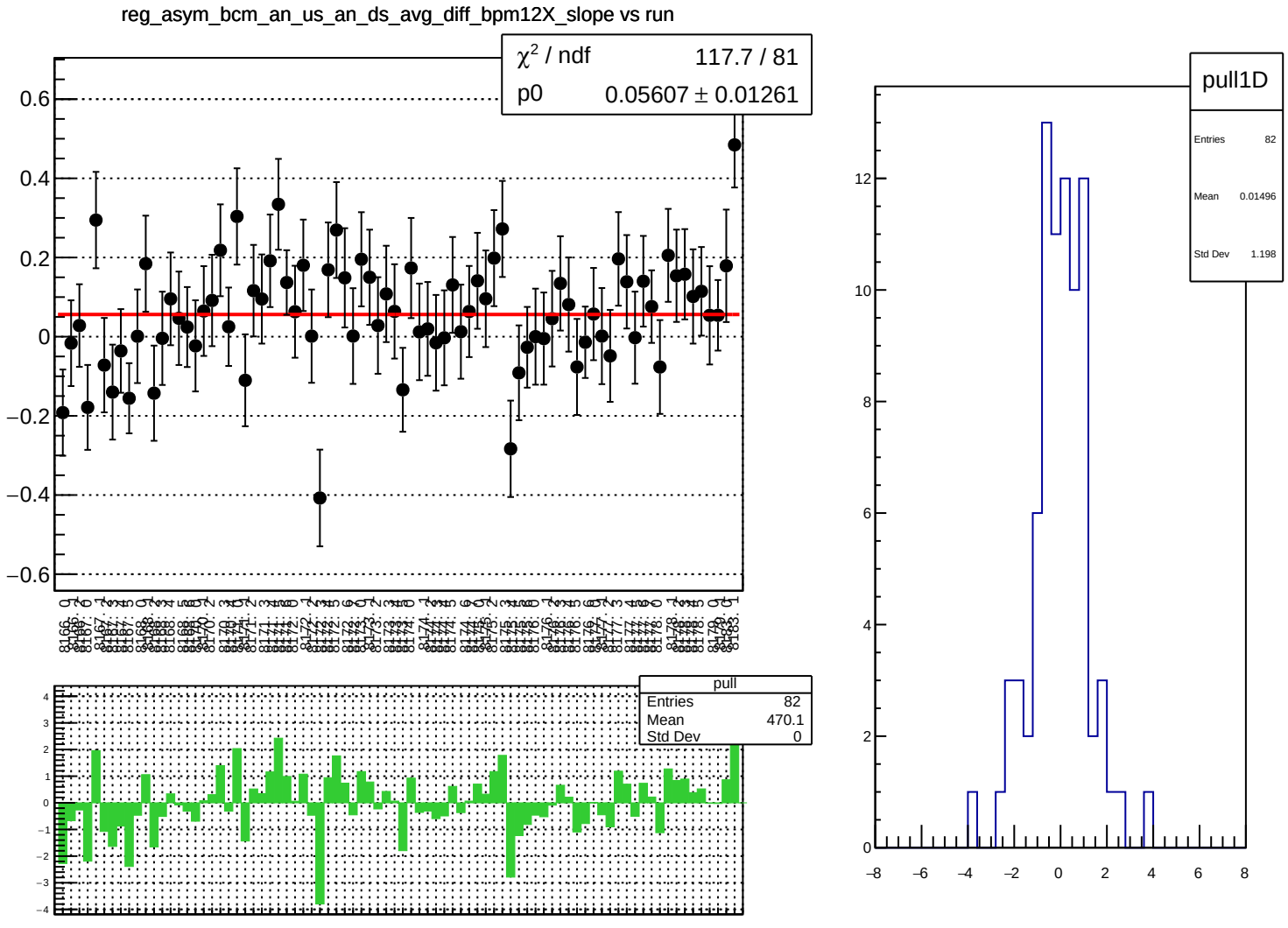

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.47 / 81
p0 1.377 ± 0.2527
pull
Entries 82
Mean −4.256
Std Dev 0

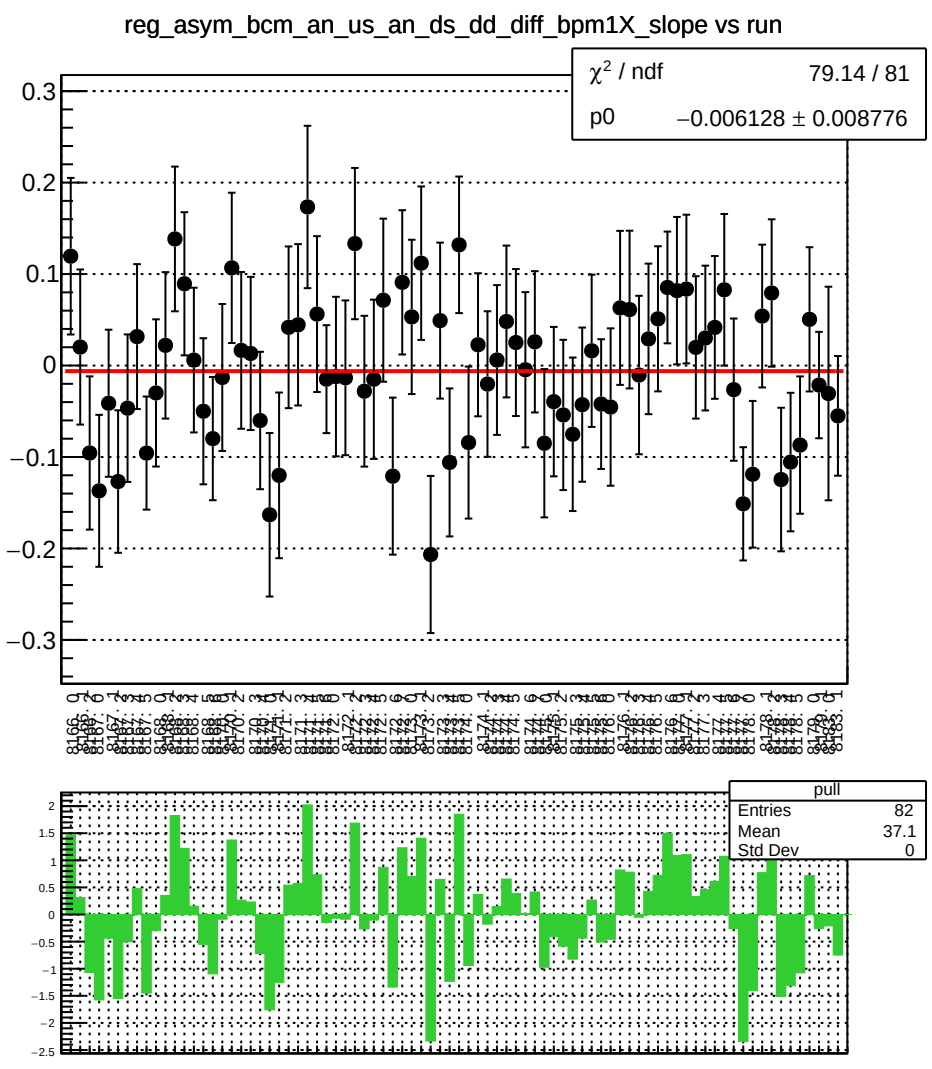

pull1D
Entries 82
Mean −0.01134
Std Dev 0.9465

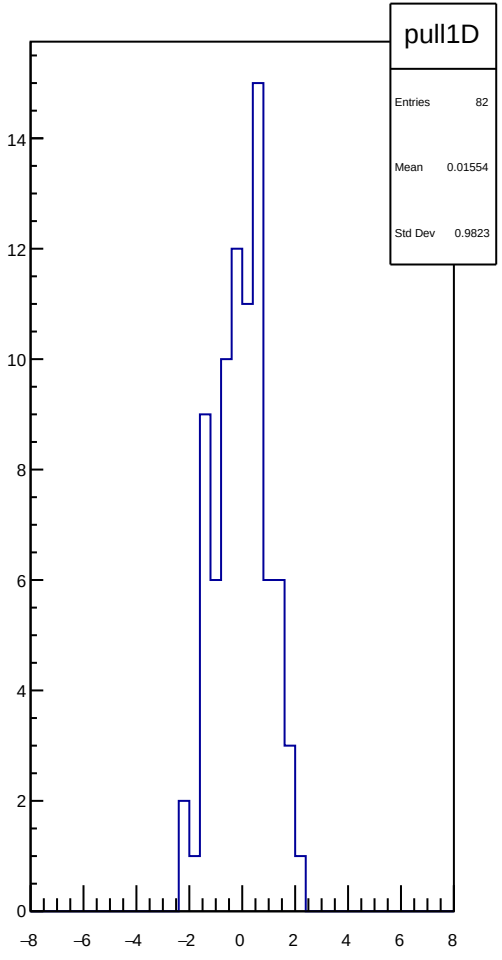

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 141.1 / 81
p0 −2.587 ± 0.1366
pull
Entries 82
Mean 4373
Std Dev 0

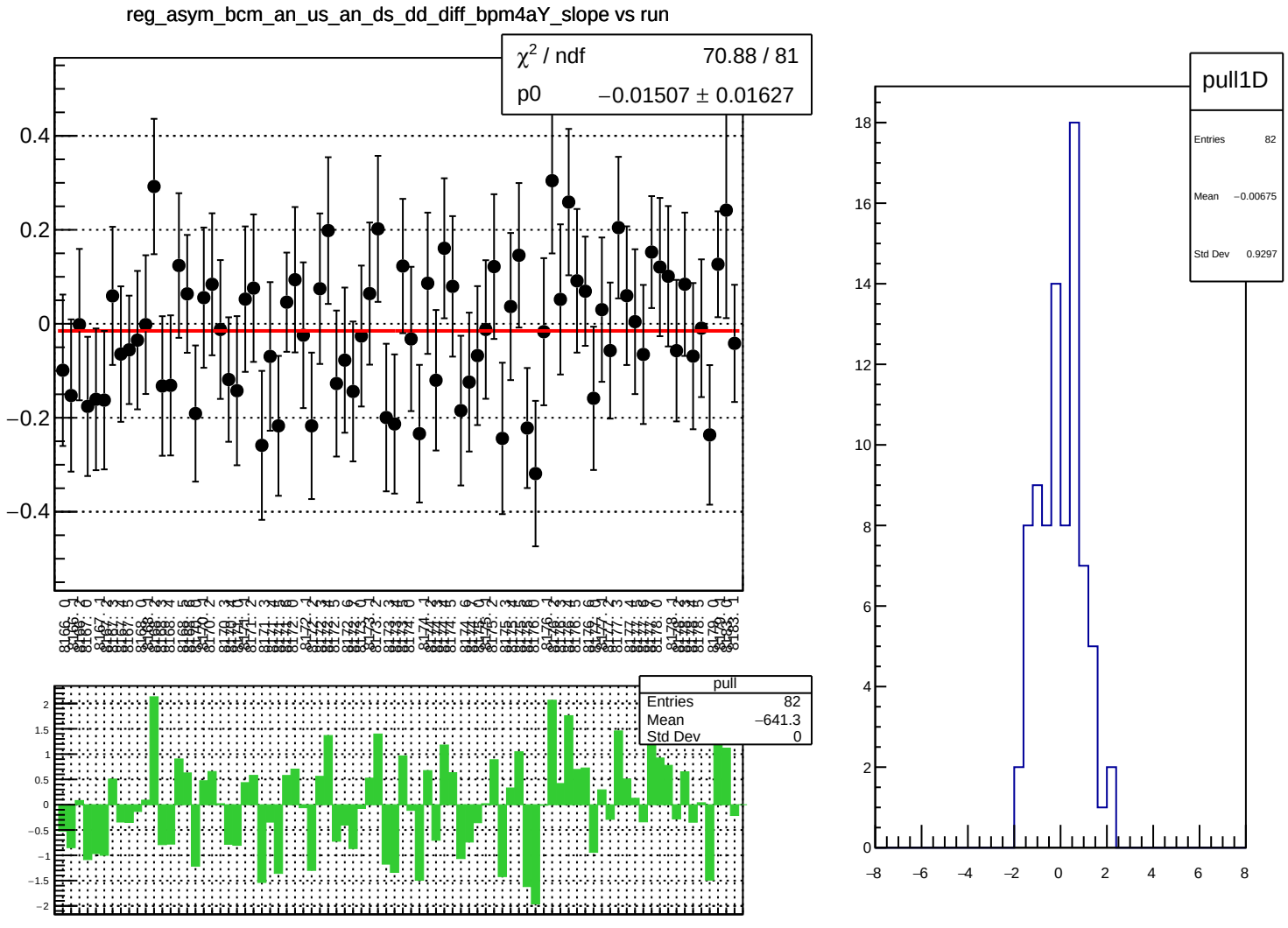

pull1D
Entries 82
Mean −0.00322
Std Dev 1.312

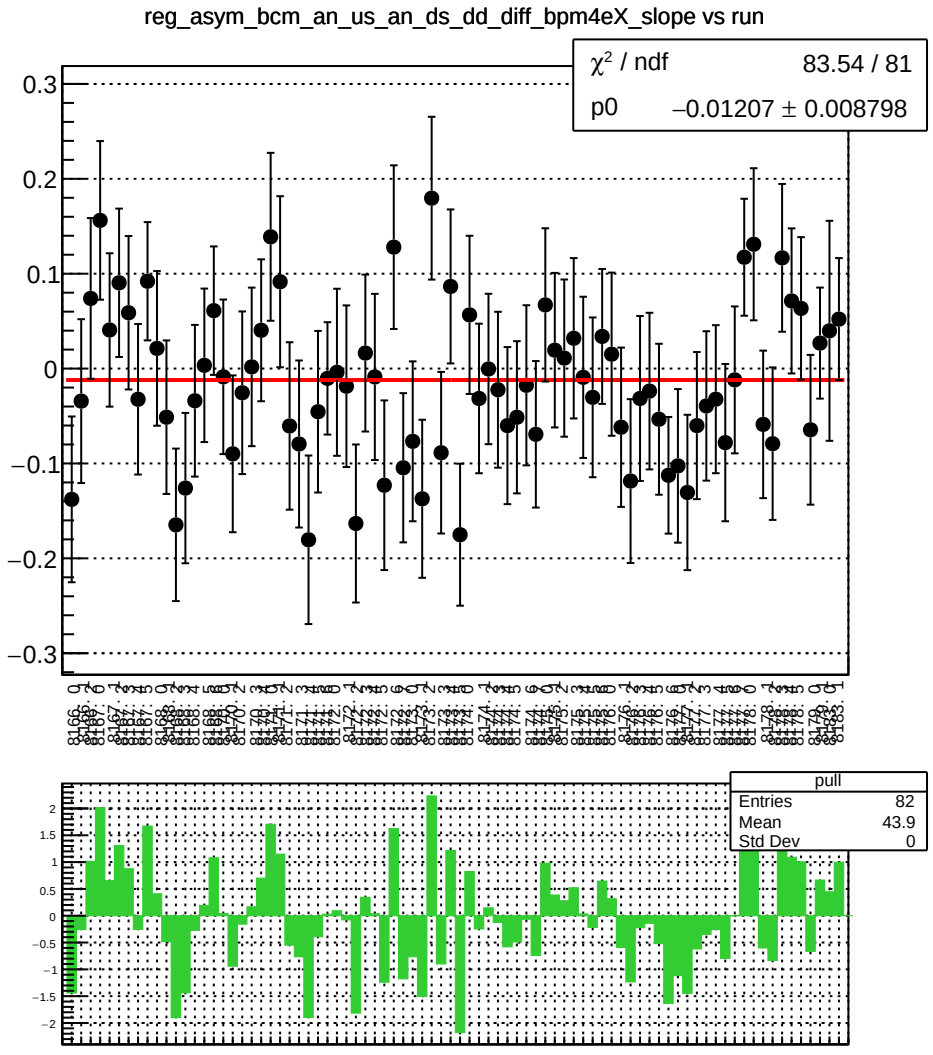

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.57 / 81
p0 −1.434 ± 0.2704
pull
Entries 82
Mean 43.96
Std Dev 0
pull1D
Entries 82
Mean 0.01144
Std Dev 0.9472

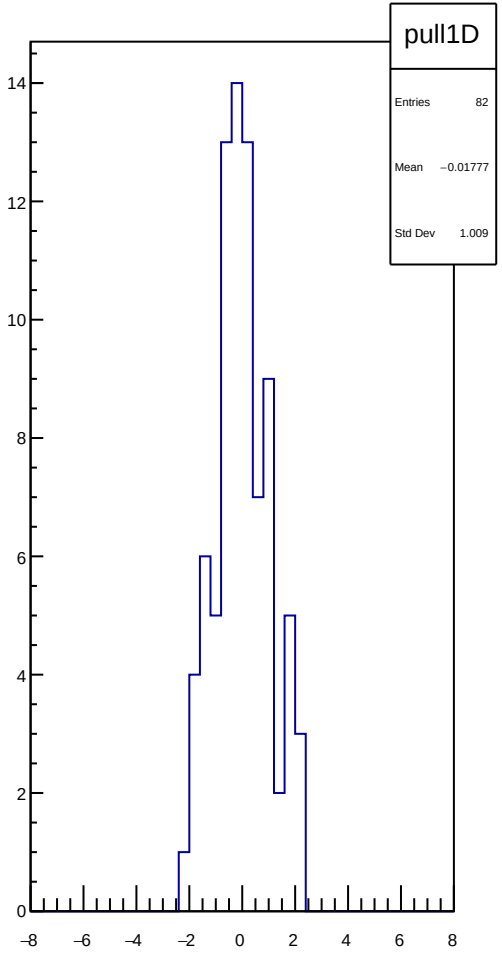

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 81
p0 0.05607 ± 0.01261
pull
Entries 82
Mean 470.1
Std Dev 0
pull1D
Entries 82
Mean 0.01496
Std Dev 1.198

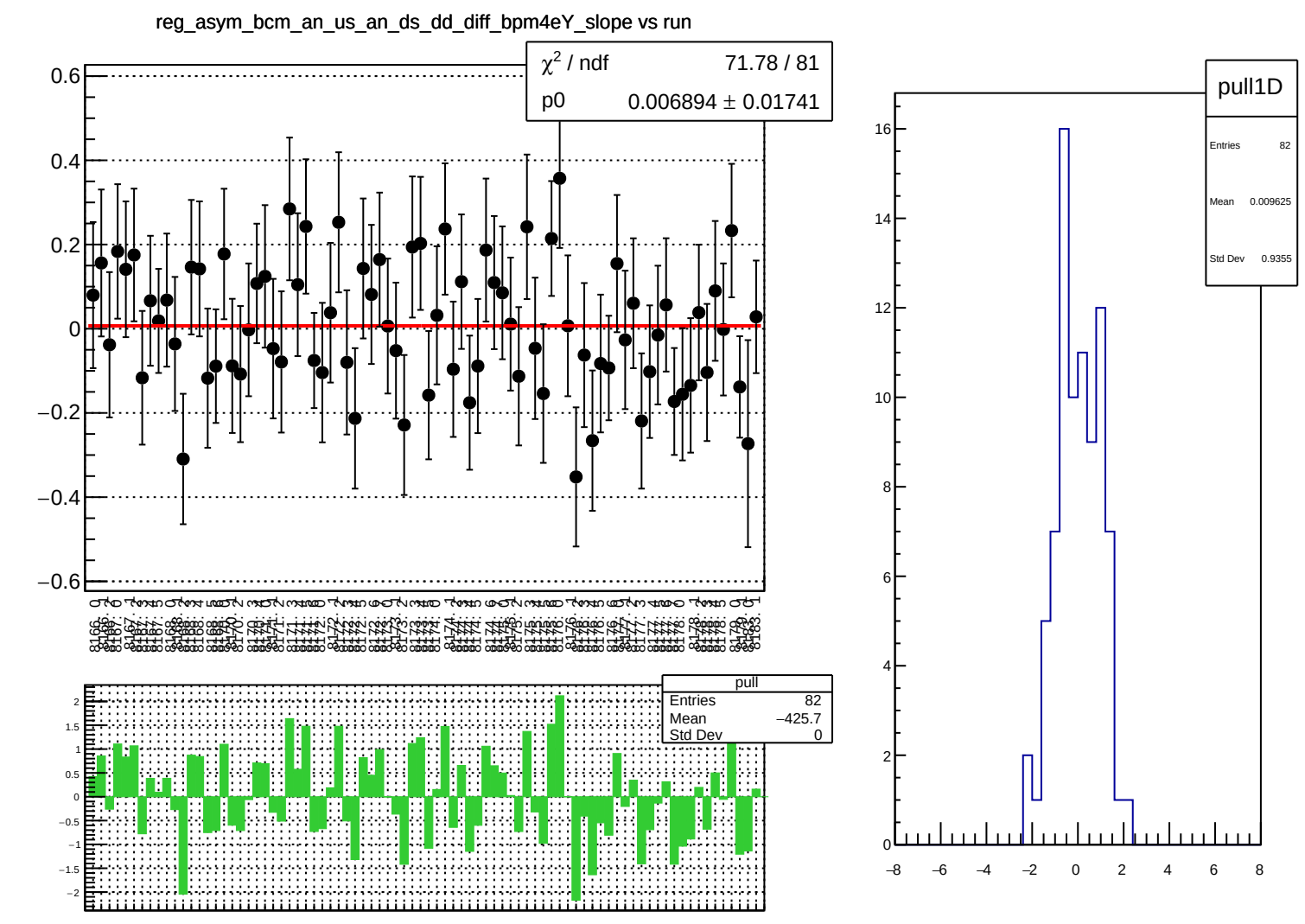

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 79.14 / 81
p0 −0.006128 ± 0.008776
pull
Entries 82
Mean 37.1
Std Dev 0

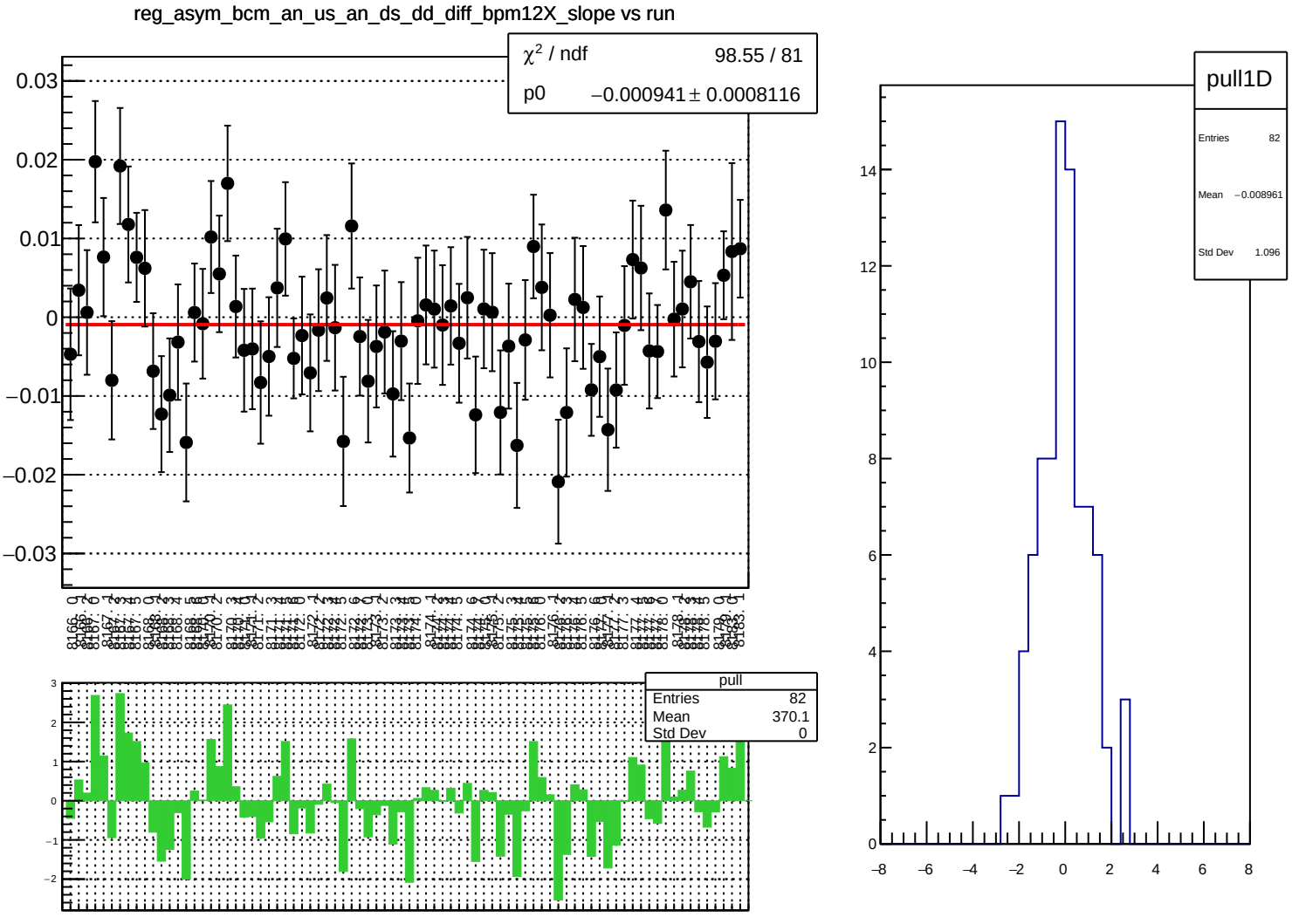

pull1D
Entries 82
Mean 0.01554
Std Dev 0.9823

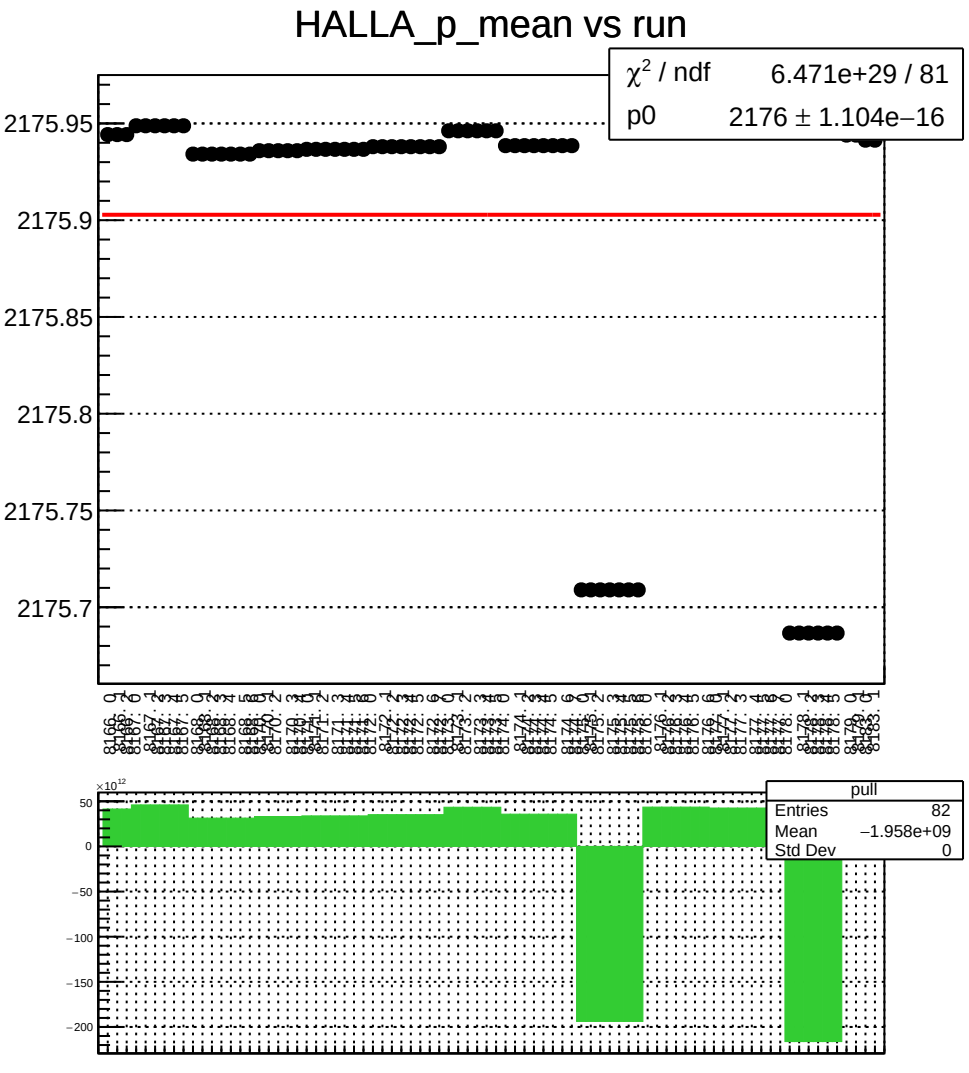

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.88 / 81
p0 −0.01507 ± 0.01627
pull
Entries 82
Mean −641.3
Std Dev 0
pull1D
Entries 82
Mean −0.00675
Std Dev 0.9297

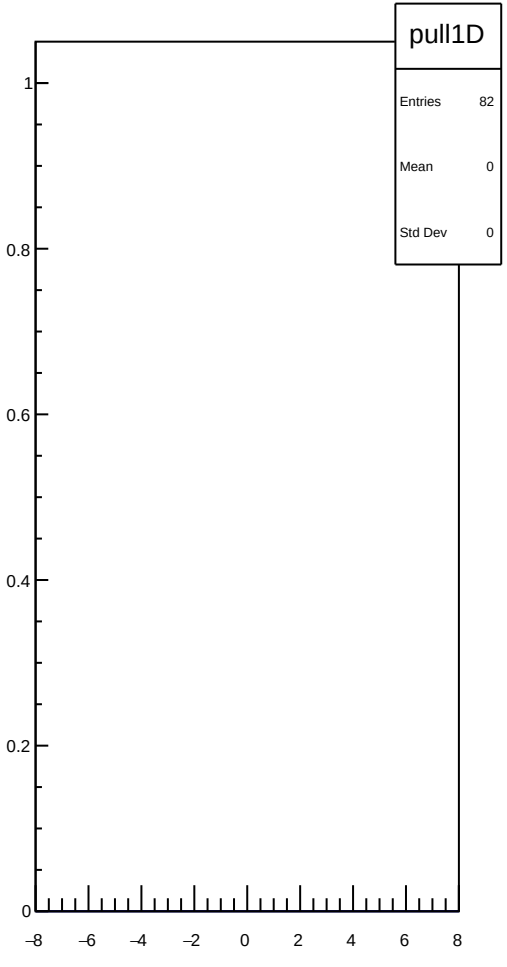

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.54 / 81
p0 −0.01207 ± 0.008798
pull
Entries 82
Mean 43.9
Std Dev 0

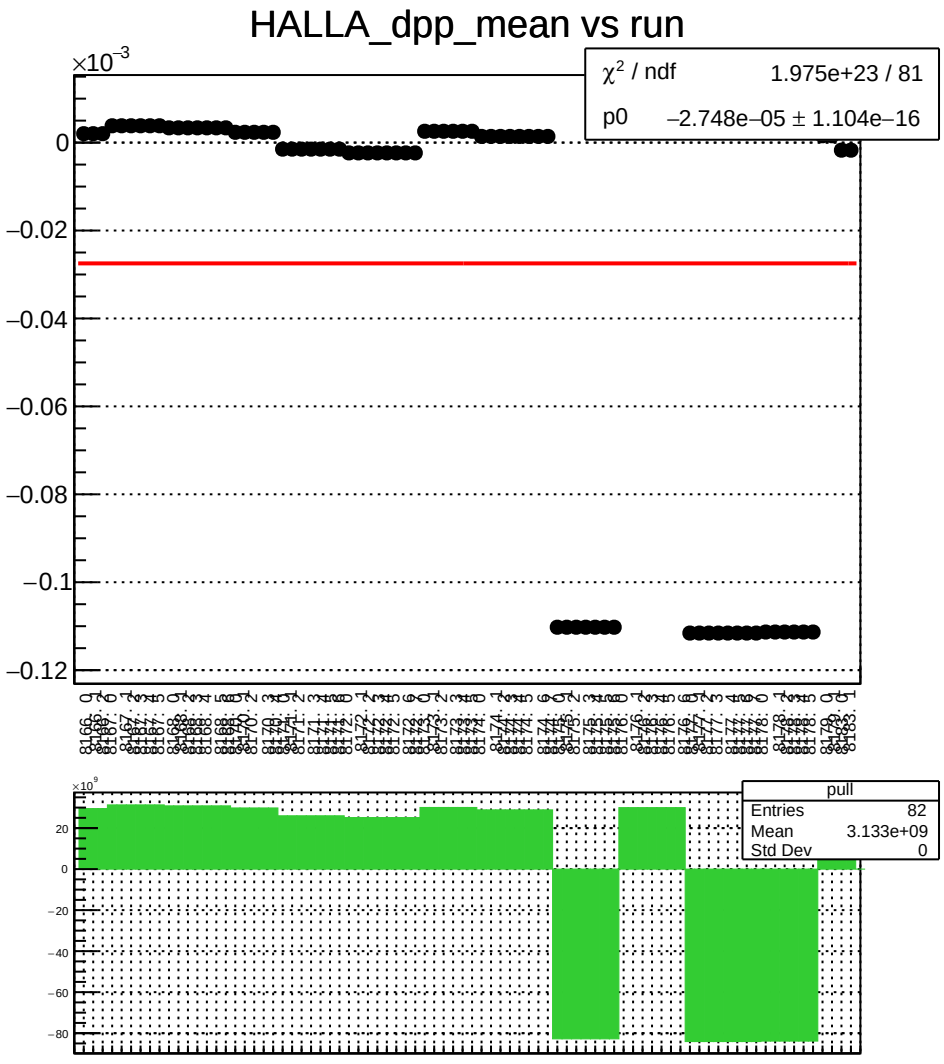

pull1D
Entries 82
Mean −0.01777
Std Dev 1.009

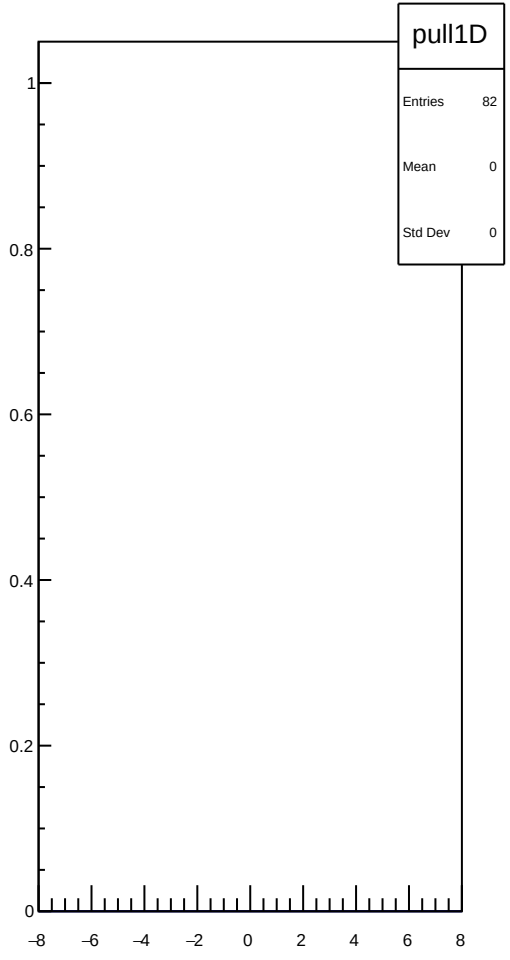

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.78 / 81
p0 0.006894 ± 0.01741
pull
Entries 82
Mean −425.7
Std Dev 0
pull1D
Entries 82
Mean 0.009625
Std Dev 0.9355

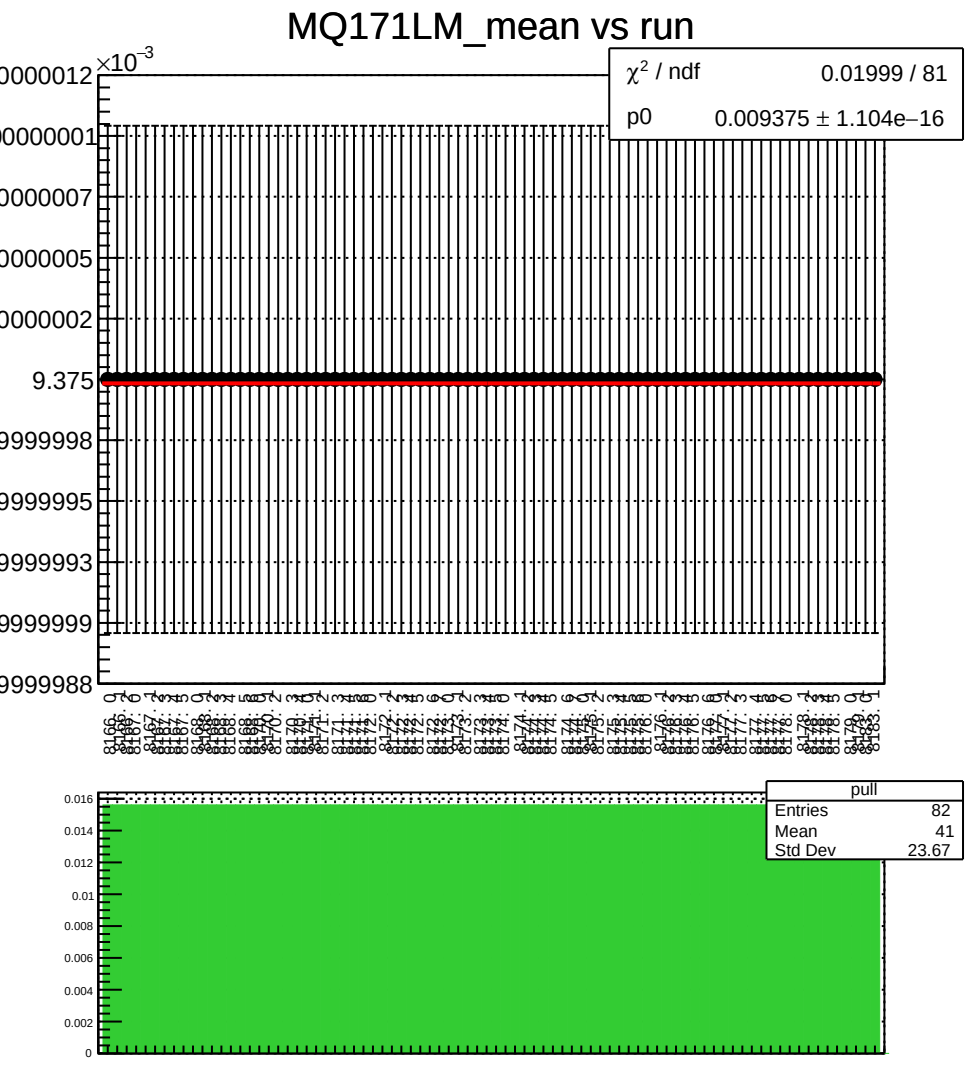

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 98.55 / 81
p0 −0.000941 ± 0.0008116
pull
Entries 82
Mean 370.1
Std Dev 0
pull1D
Entries 82
Mean −0.008961
Std Dev 1.096

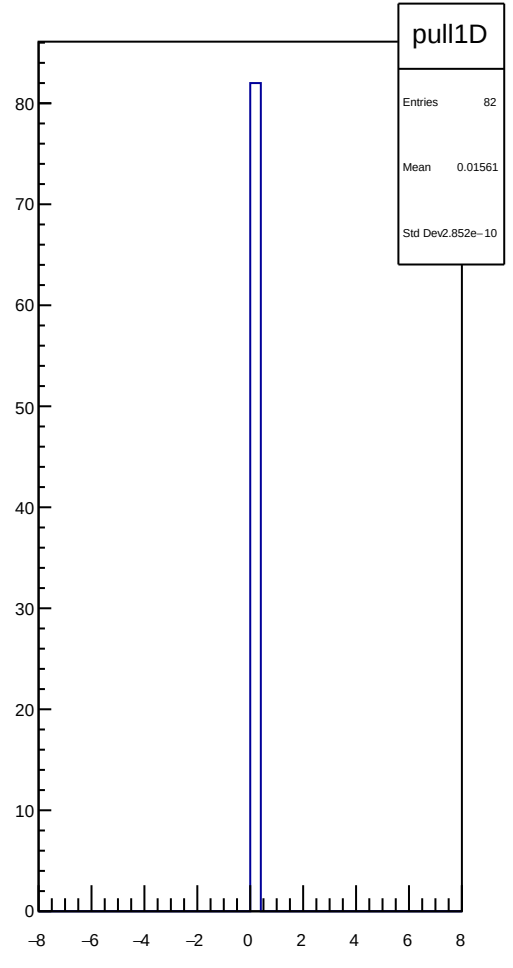

HALLA_p_mean vs run
χ² / ndf 6.471e+29 / 81
p0 2176 ± 1.104e−16
2175.95
2175.9
2175.85
2175.8
2175.75
2175.7
pull
Entries 82
Mean −1.958e+09
Std Dev 0
×10¹²
50
0
−50
−100
−150
−200

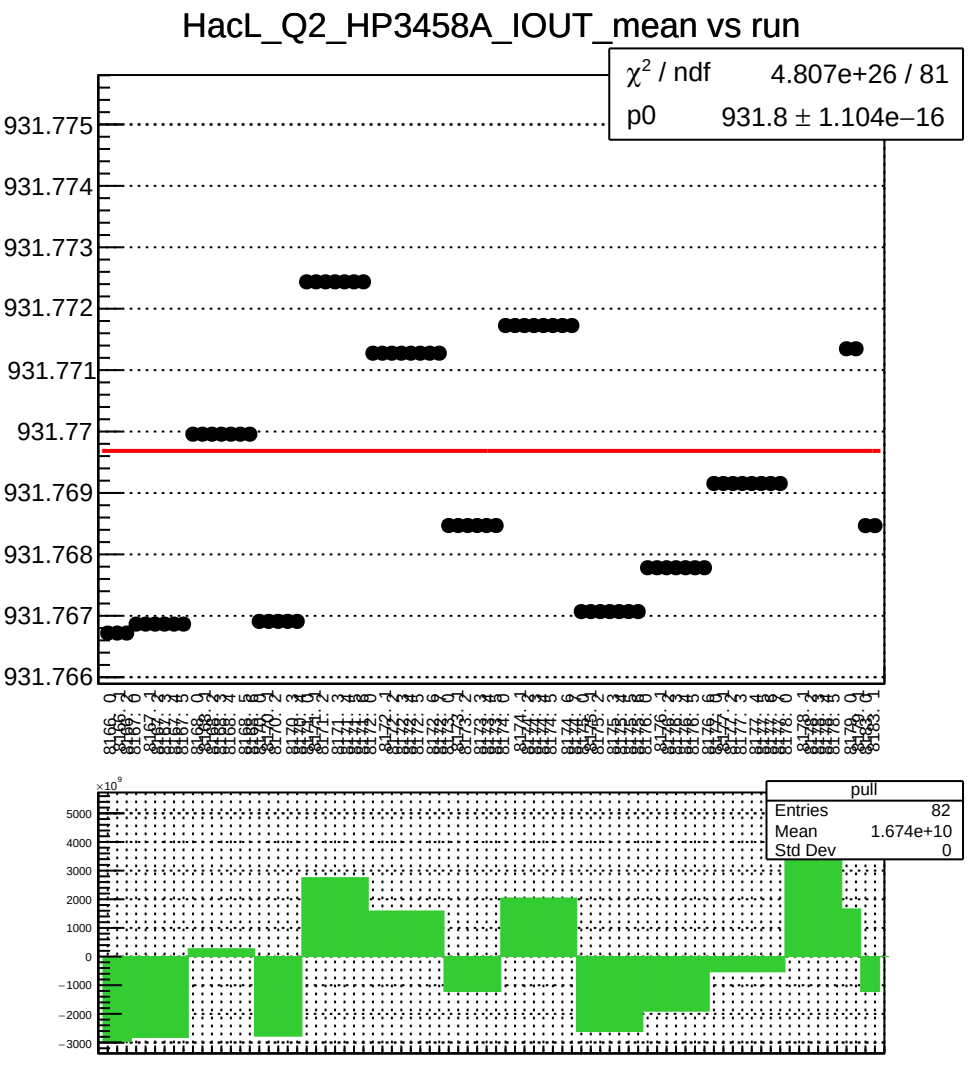

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

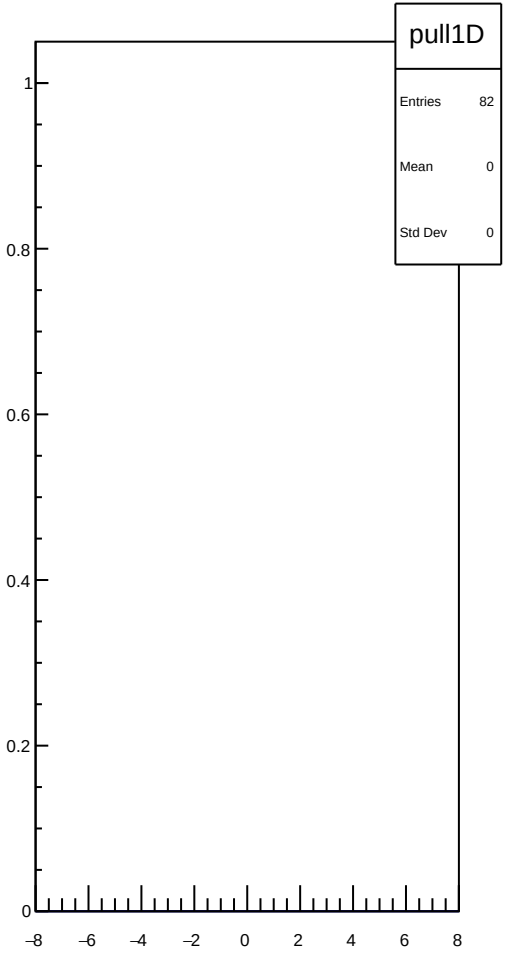

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 1.975e+23 / 81
p0 −2.748e−05 ± 1.104e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
×10⁹
pull
Entries 82
Mean 3.133e+09
Std Dev 0
20
0
−20
−40
−60
−80

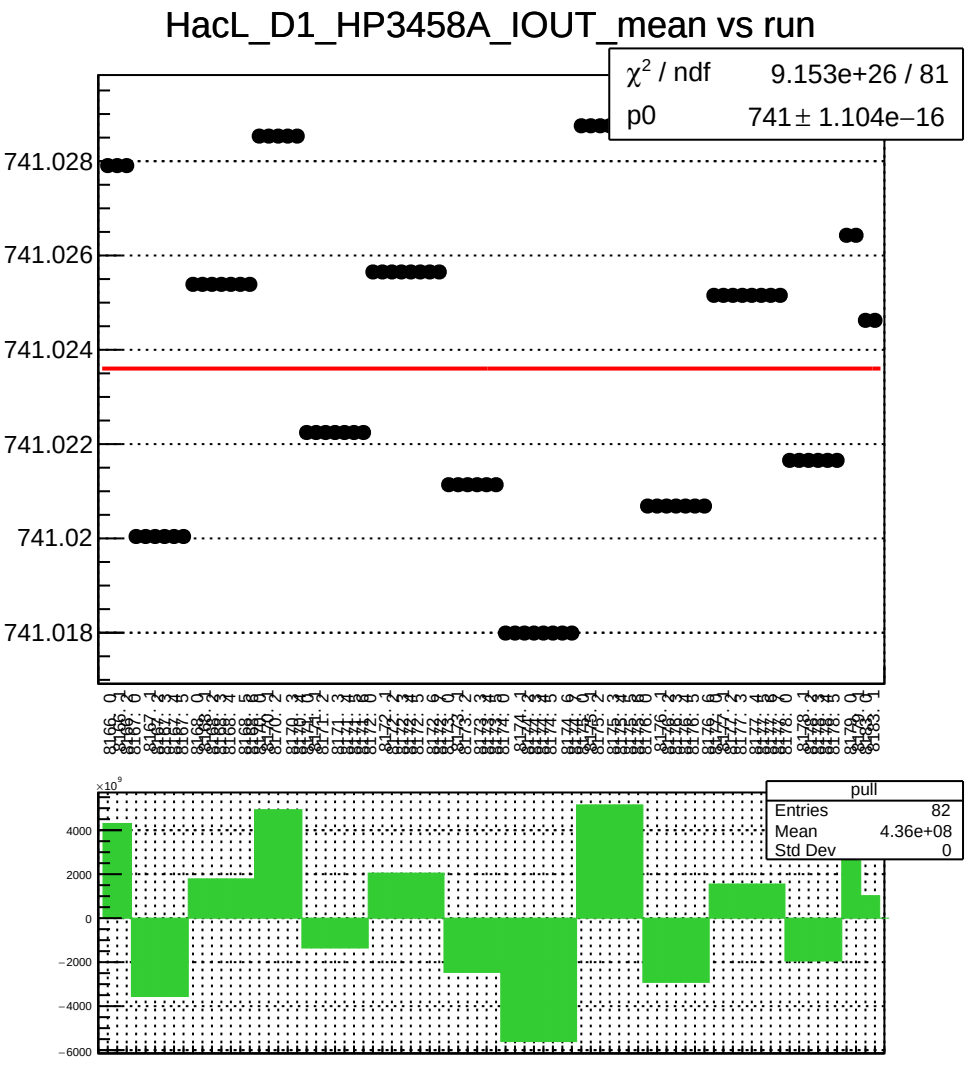

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

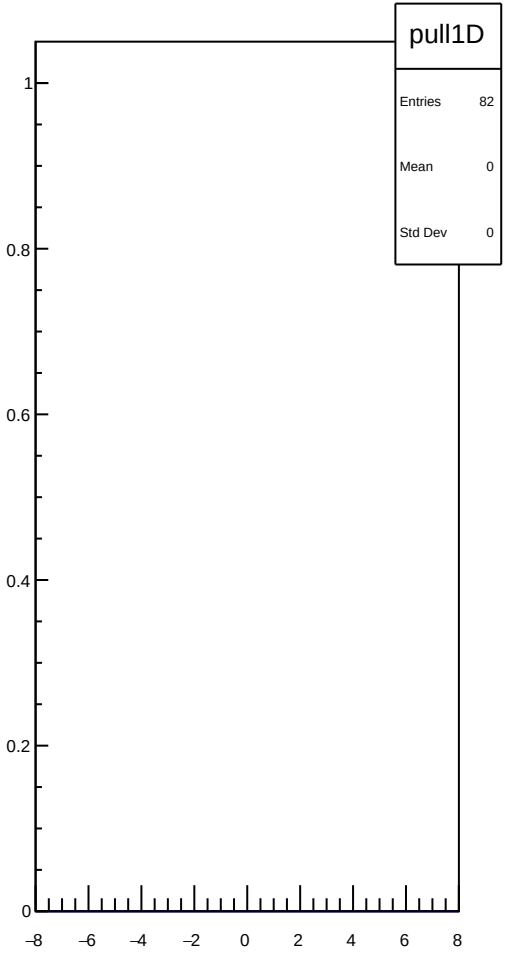

MQ171LM_mean vs run
χ² / ndf 0.01999 / 81
p0 0.009375 ± 1.104e−16
×10⁻³
9.375
pull
Entries 82
Mean 41
Std Dev 23.67

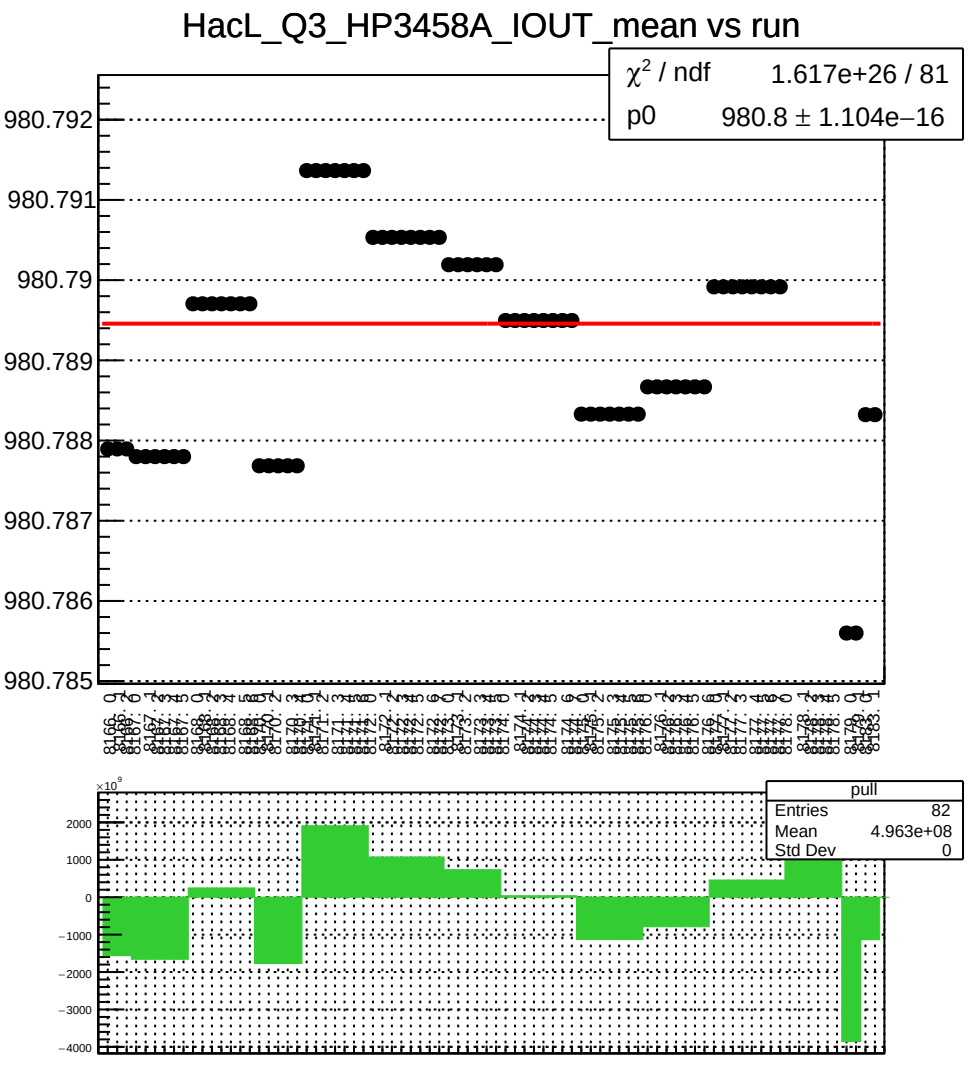

pull1D
Entries 82
Mean 0.01561
Std Dev 2.852e−10

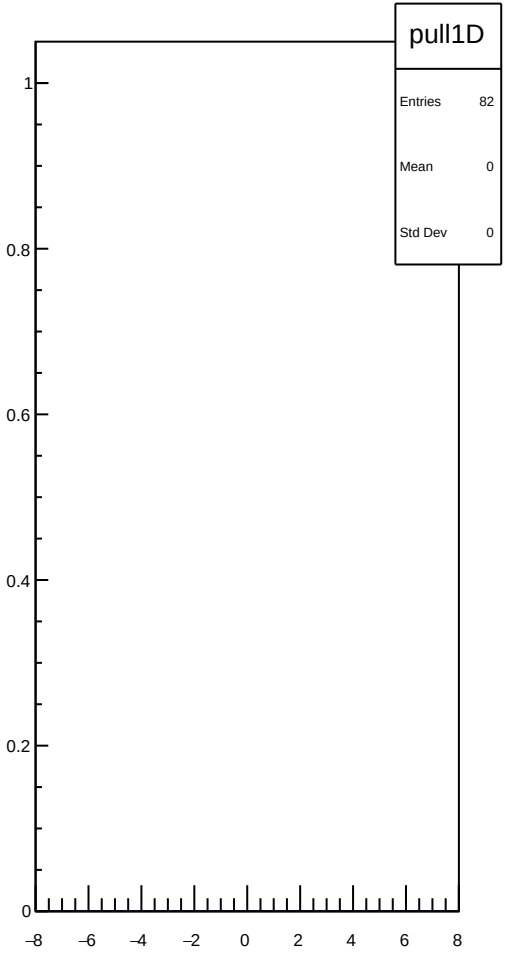

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 4.807e+26 / 81
p0 931.8 ± 1.104e−16
931.775
931.774
931.773
931.772
931.771
931.77
931.769
931.768
931.767
931.766
pull
Entries 82
Mean 1.674e+10
Std Dev 0
×10⁹
5000
4000
3000
2000
1000
0
−1000
−2000
−3000

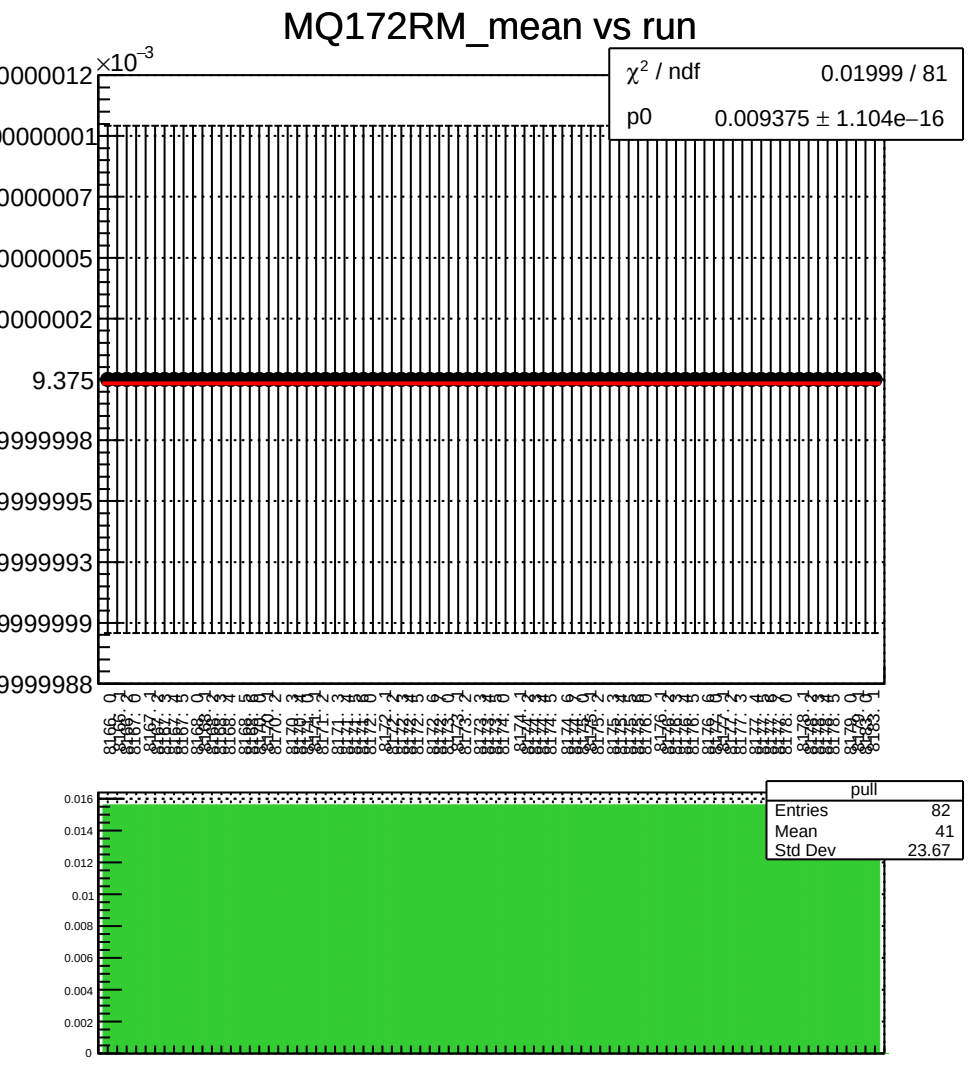

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

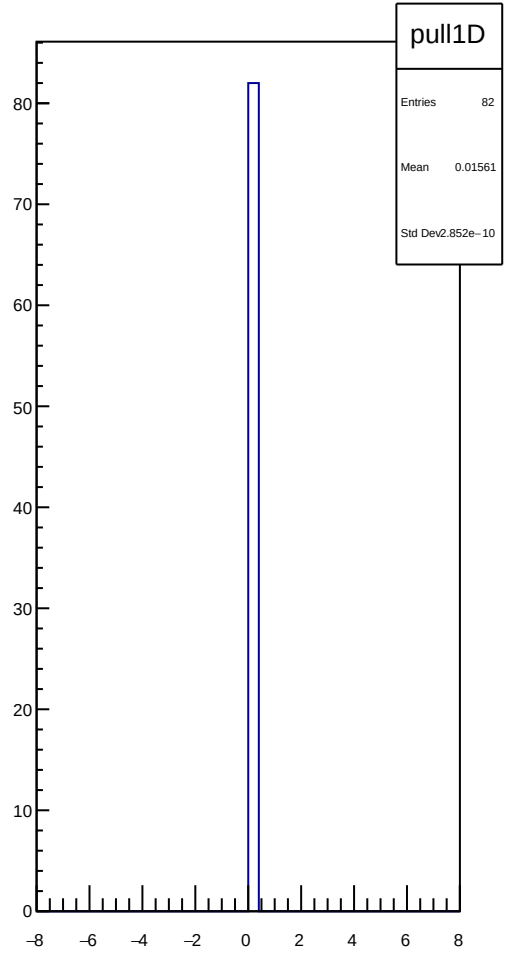

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 9.153e+26 / 81
p0 741 ± 1.104e−16
741.028
741.026
741.024
741.022
741.02
741.018
×10⁹
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 4.36e+08
Std Dev 0

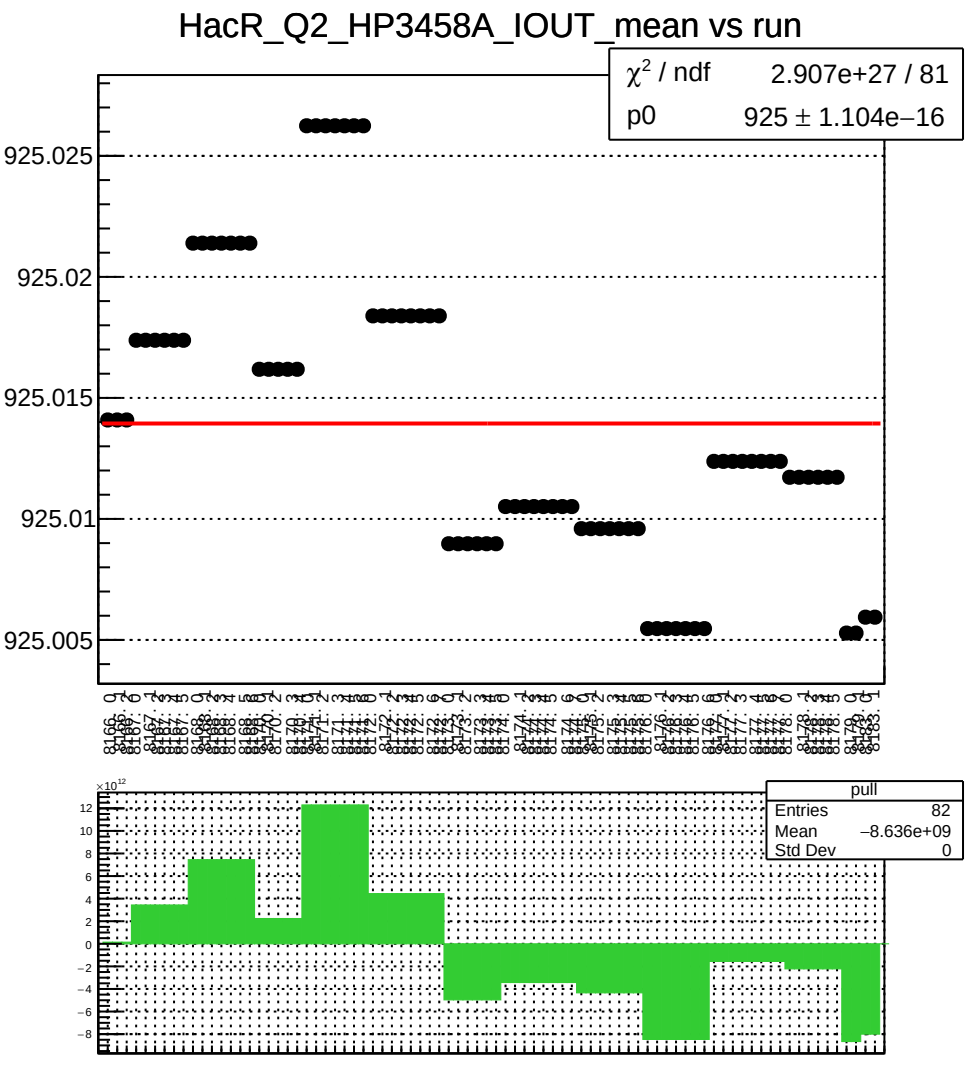

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

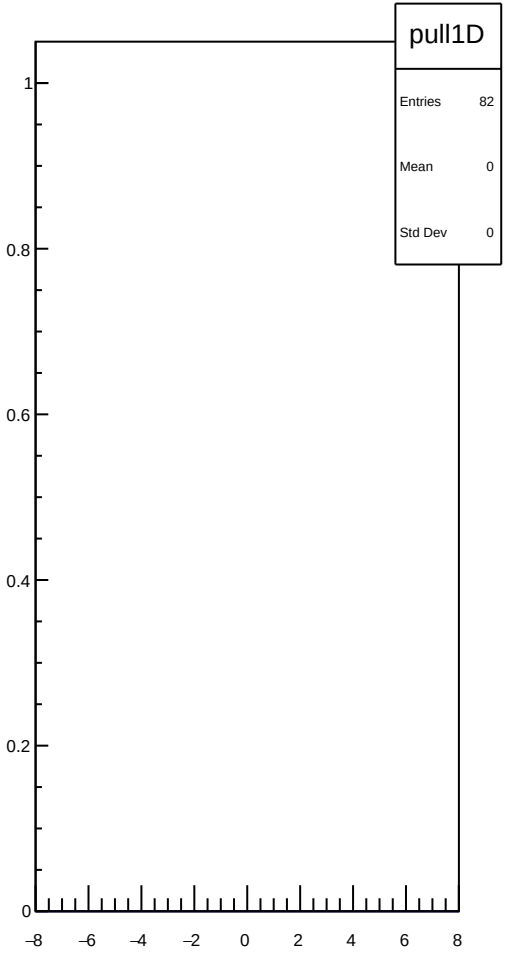

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 1.617e+26 / 81
p0 980.8 ± 1.104e−16
980.792
980.791
980.79
980.789
980.788
980.787
980.786
980.785
×10⁹
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 82
Mean 4.963e+08
Std Dev 0

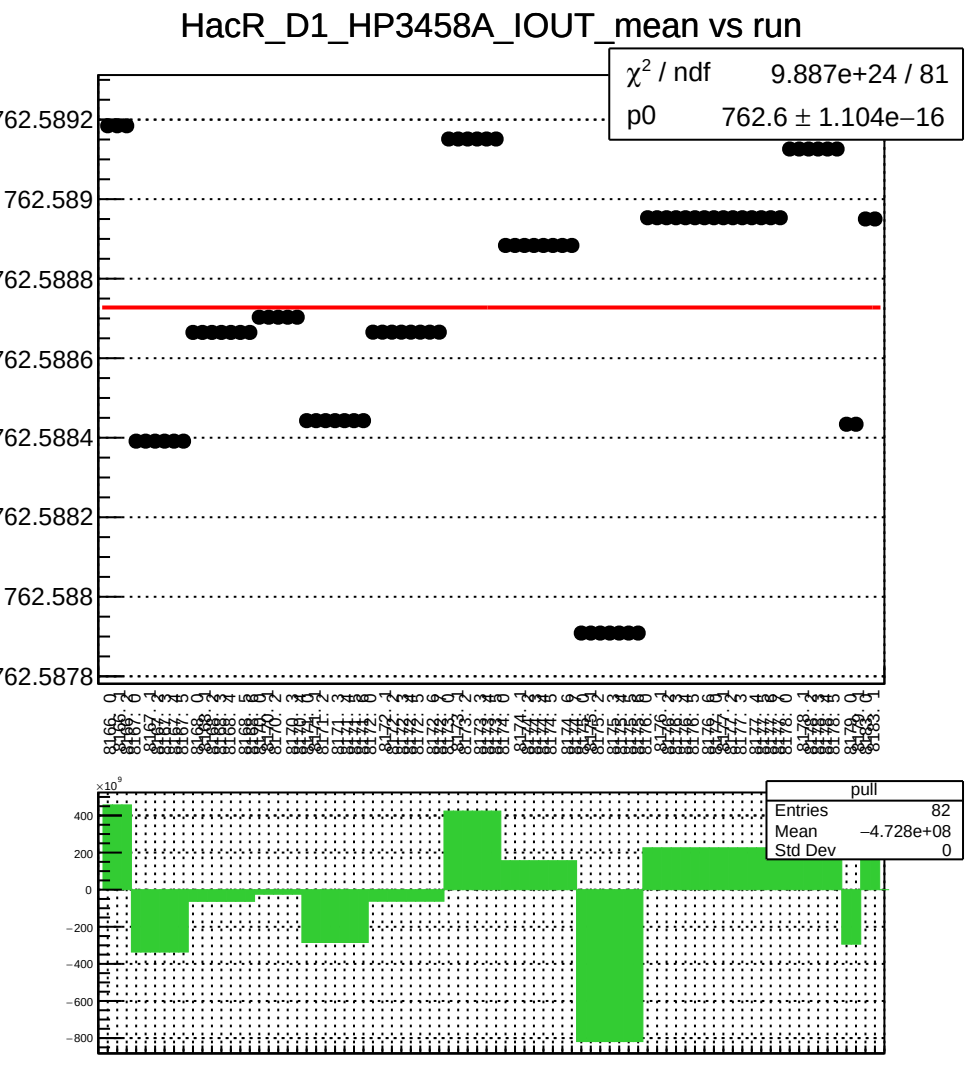

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

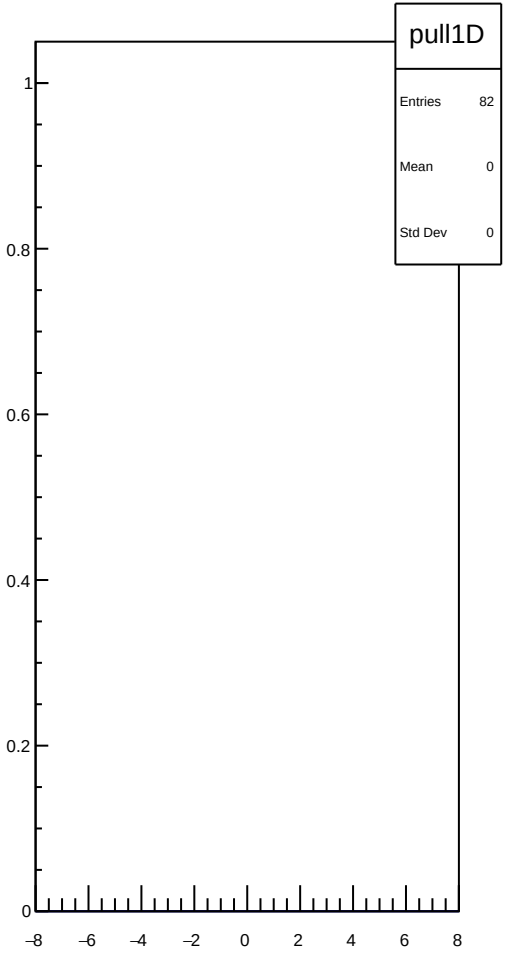

MQ172RM_mean vs run
χ² / ndf 0.01999 / 81
p0 0.009375 ± 1.104e−16
×10⁻³
pull
Entries 82
Mean 41
Std Dev 23.67

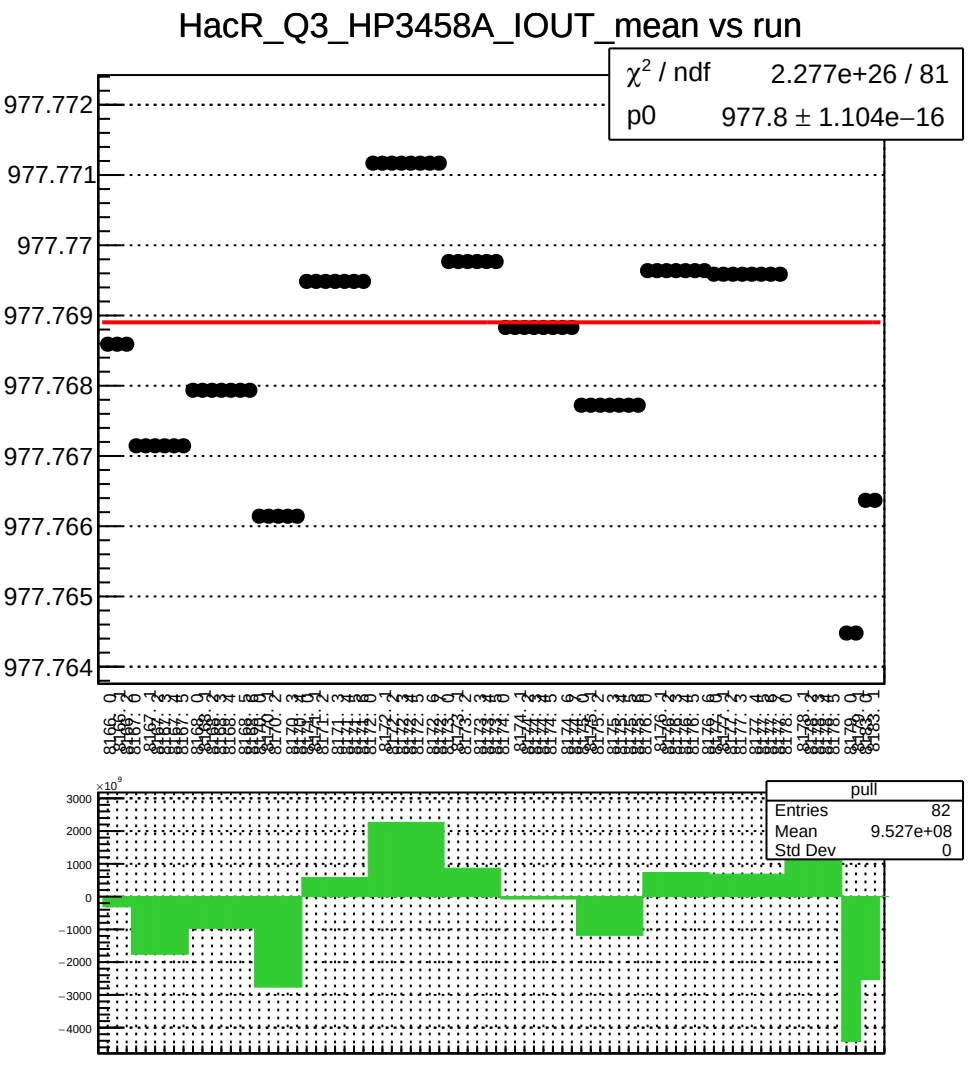

pull1D
Entries 82
Mean 0.01561
Std Dev 2.852e−10

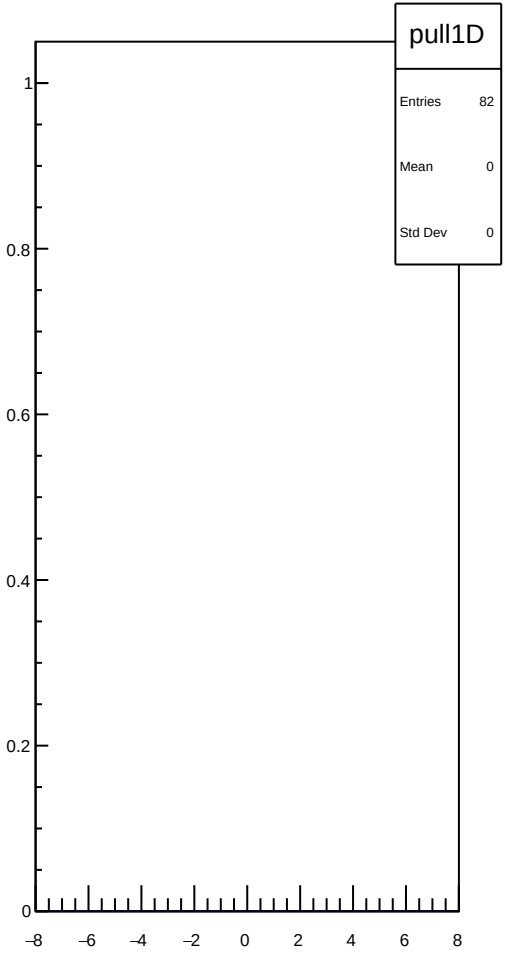

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.907e+27 / 81
p0 925 ± 1.104e−16
925.025
925.02
925.015
925.01
925.005
×10¹²
pull
Entries 82
Mean −8.636e+09
Std Dev 0

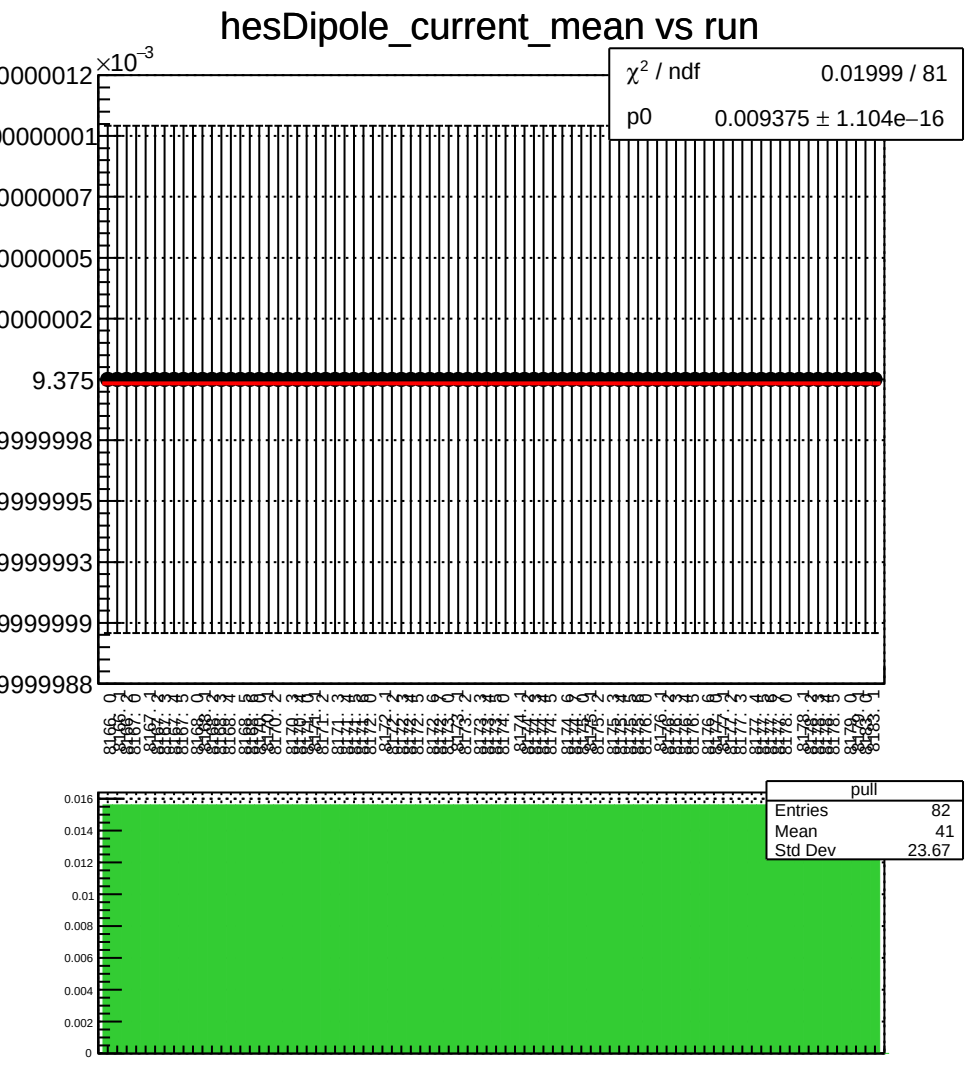

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

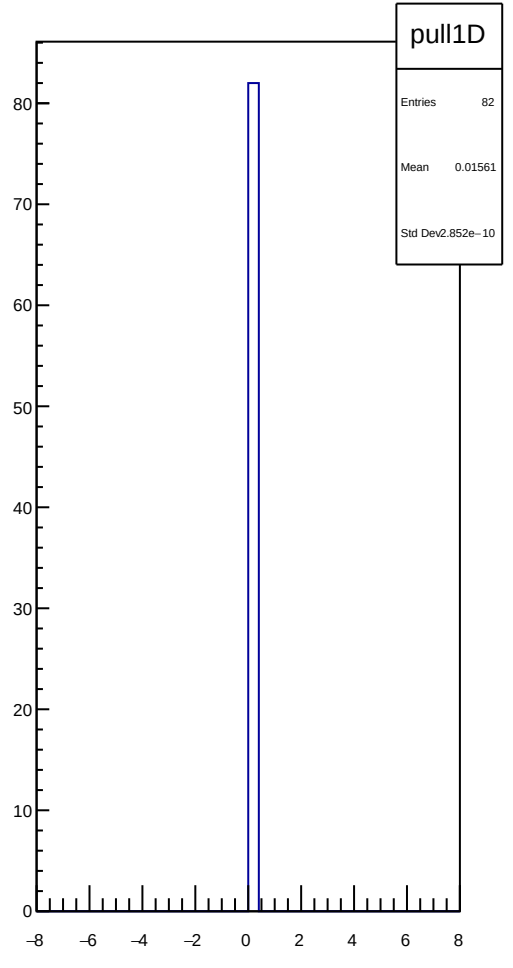

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 9.887e+24 / 81
p0 762.6 ± 1.104e−16
762.5892
762.589
762.5888
762.5886
762.5884
762.5882
762.588
762.5878
pull
Entries 82
Mean −4.728e+08
Std Dev 0
×10⁹
400
200
0
−200
−400
−600
−800

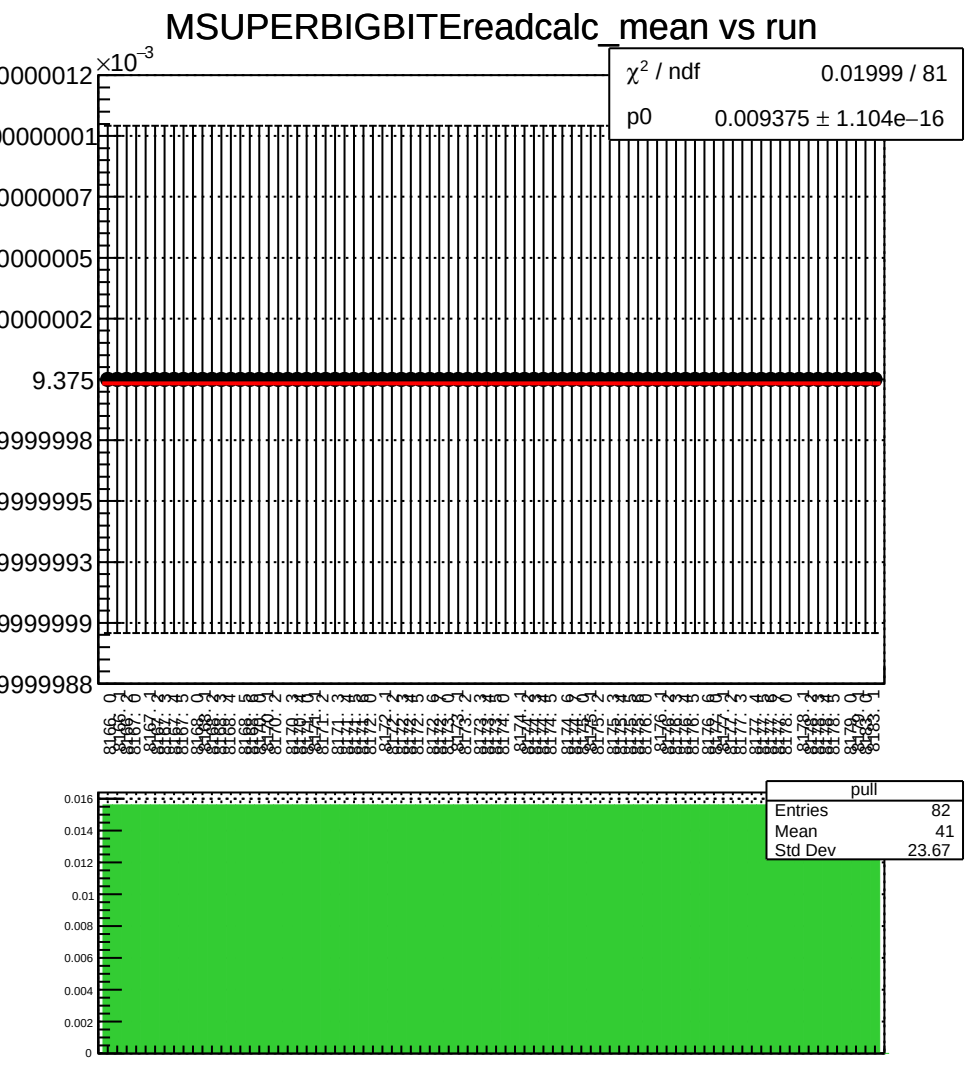

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

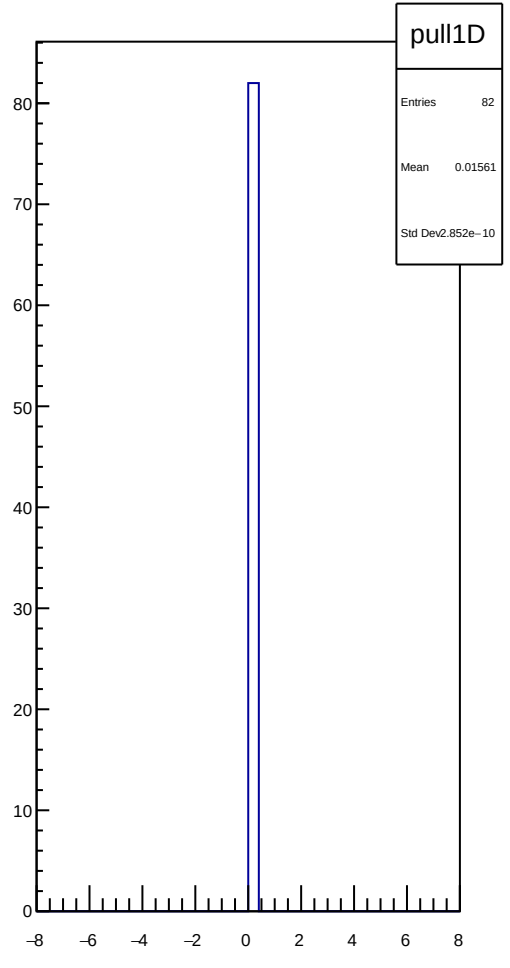

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.277e+26 / 81
p0 977.8 ± 1.104e−16
977.772
977.771
977.77
977.769
977.768
977.767
977.766
977.765
977.764
pull
Entries 82
Mean 9.527e+08
Std Dev 0
×10⁹
3000
2000
1000
0
−1000
−2000
−3000
−4000

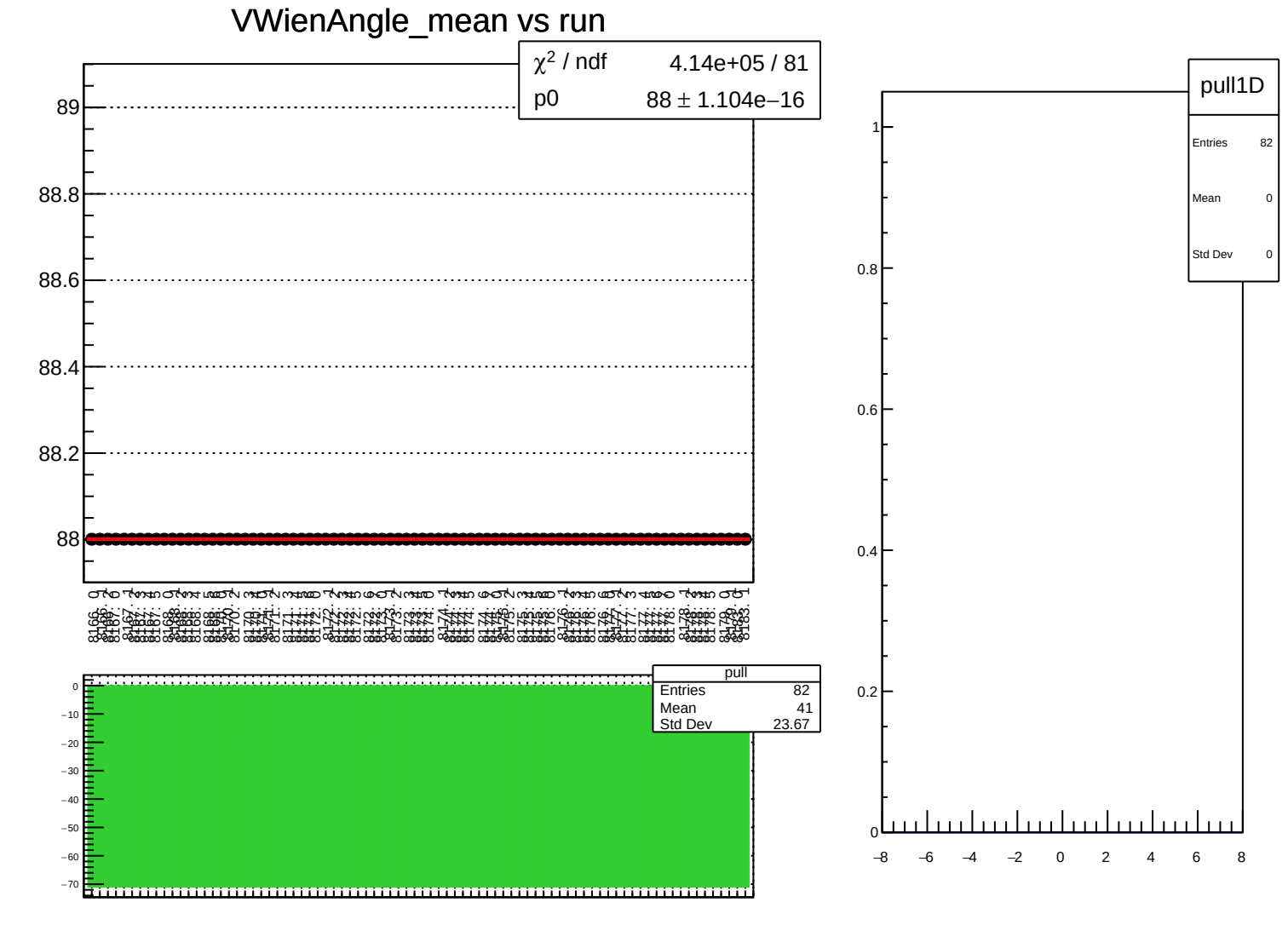

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

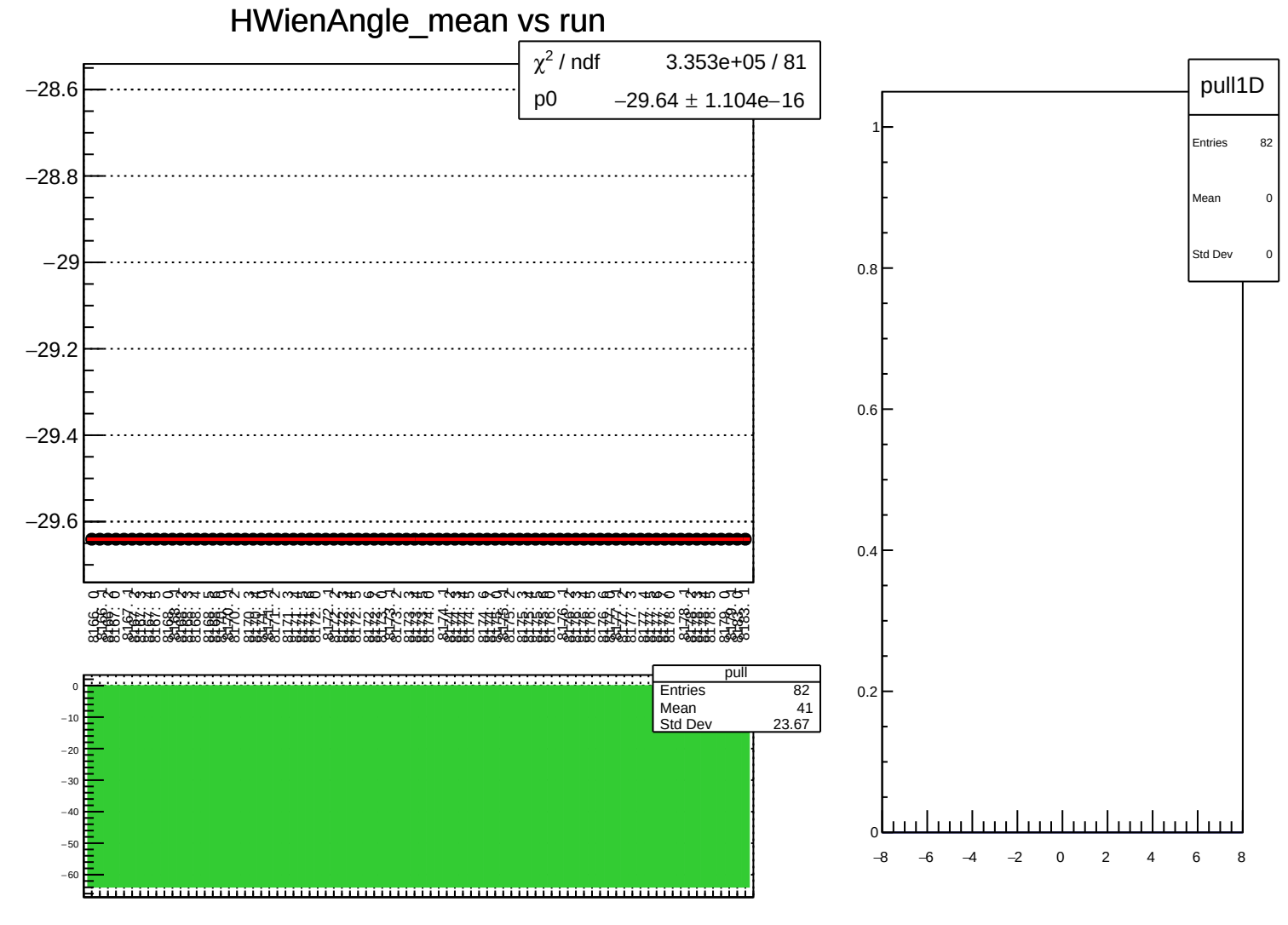

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.01999 / 81
p0 0.009375 ± 1.104e−16
9.375
pull
Entries 82
Mean 41
Std Dev 23.67

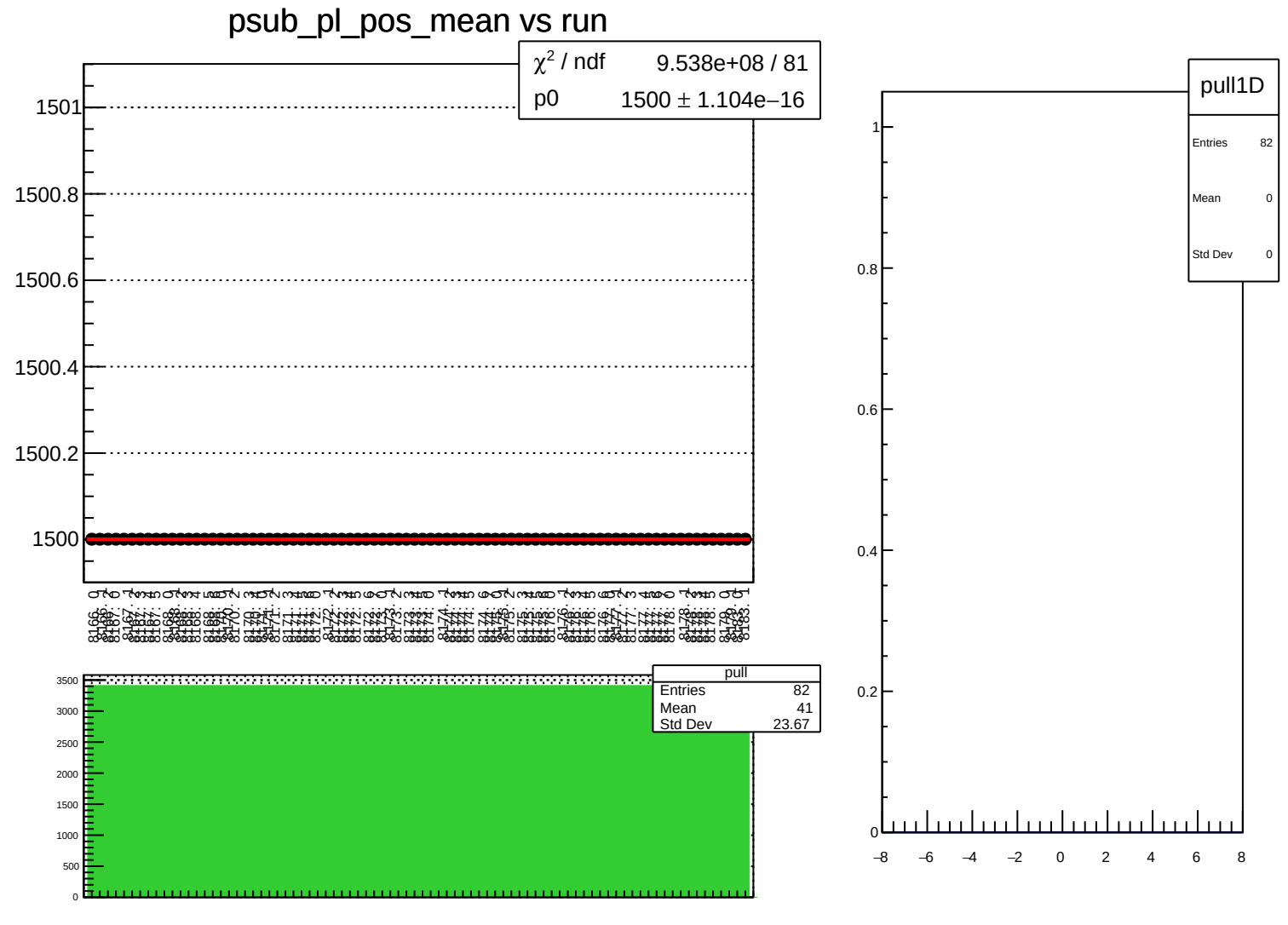

pull1D
Entries 82
Mean 0.01561
Std Dev 2.852e−10

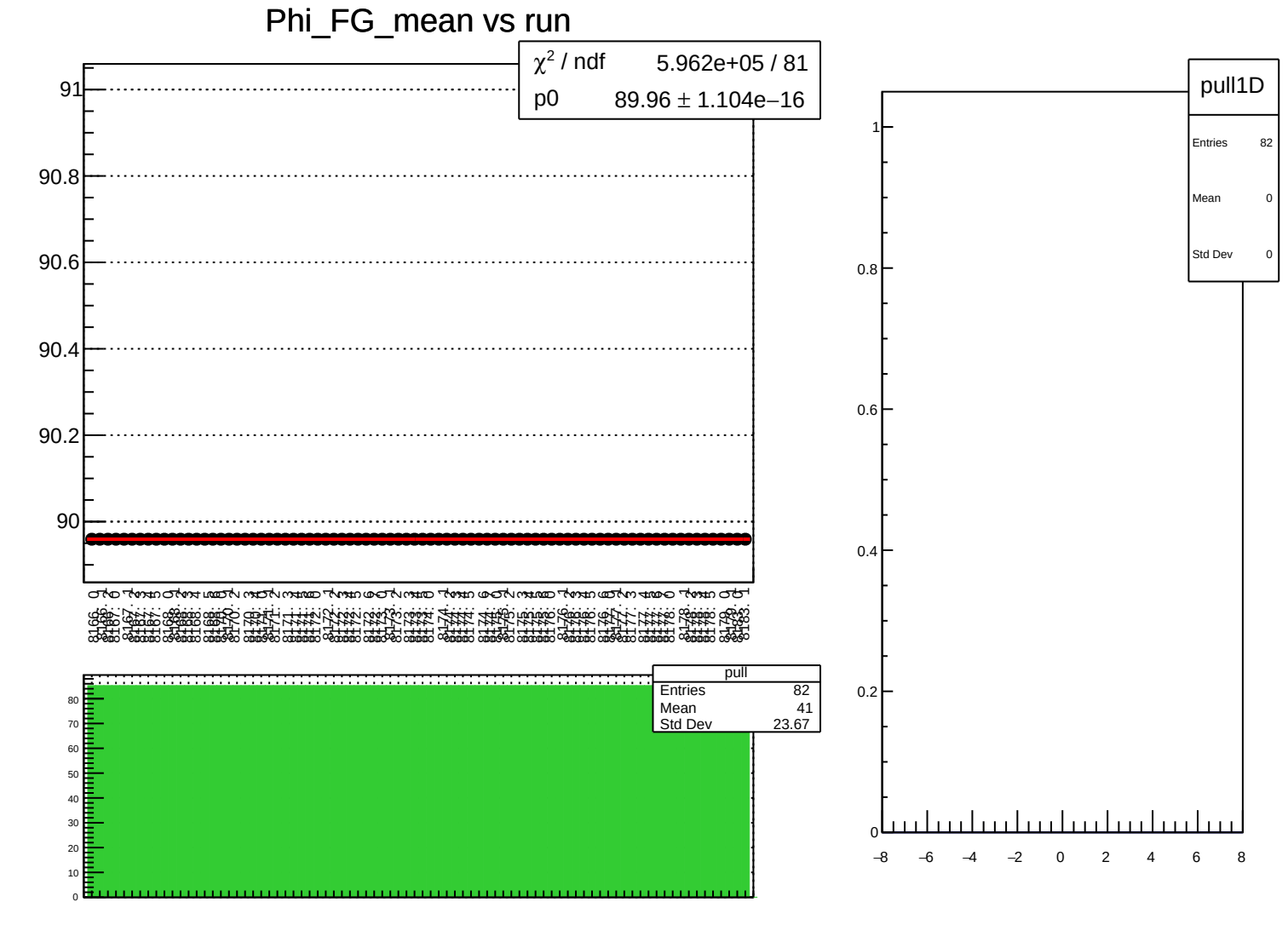

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.01999 / 81
p0 0.009375 ± 1.104e−16
×10⁻³
pull
Entries 82
Mean 41
Std Dev 23.67

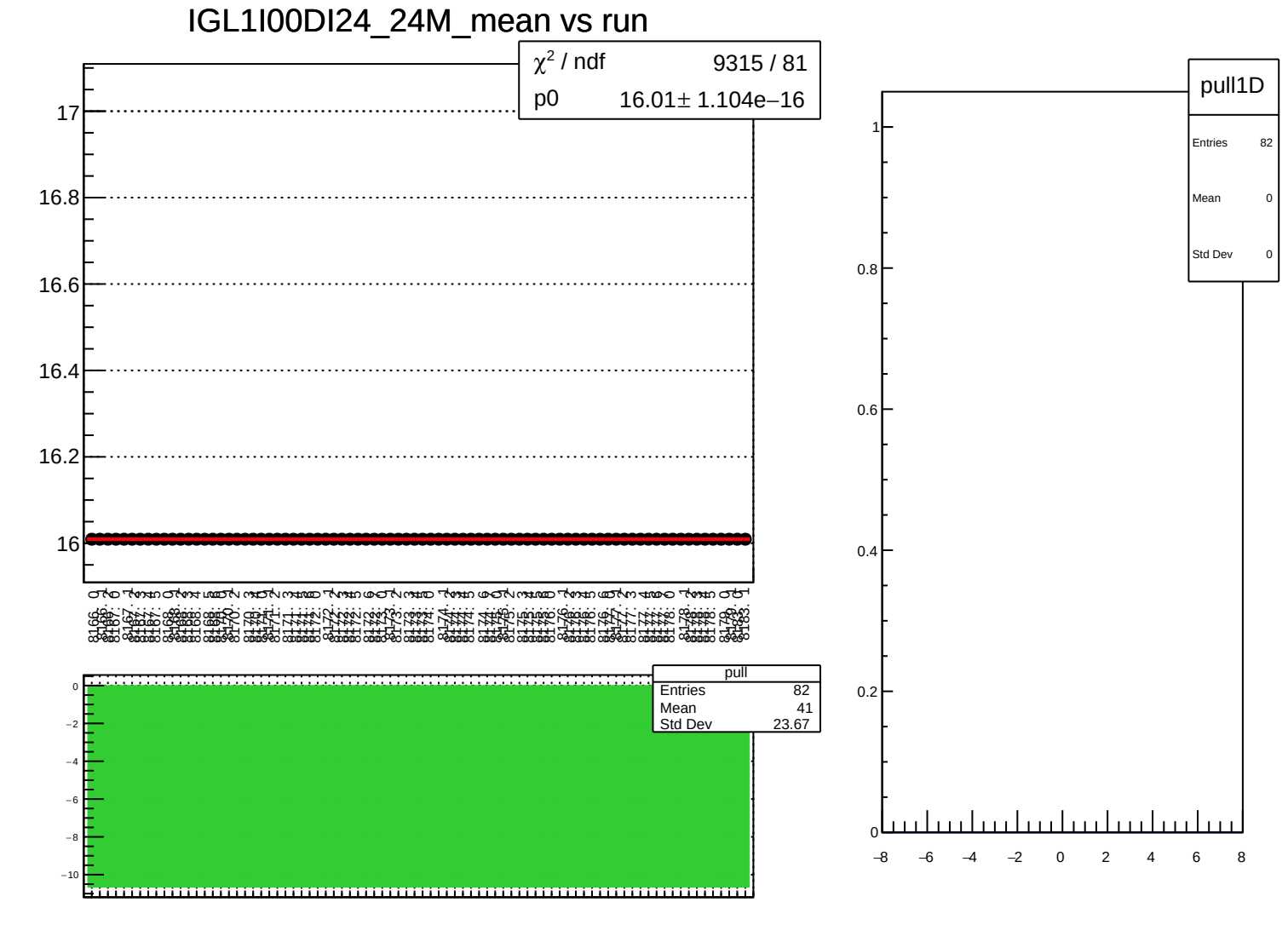

pull1D
Entries 82
Mean 0.01561
Std Dev 2.852e−10

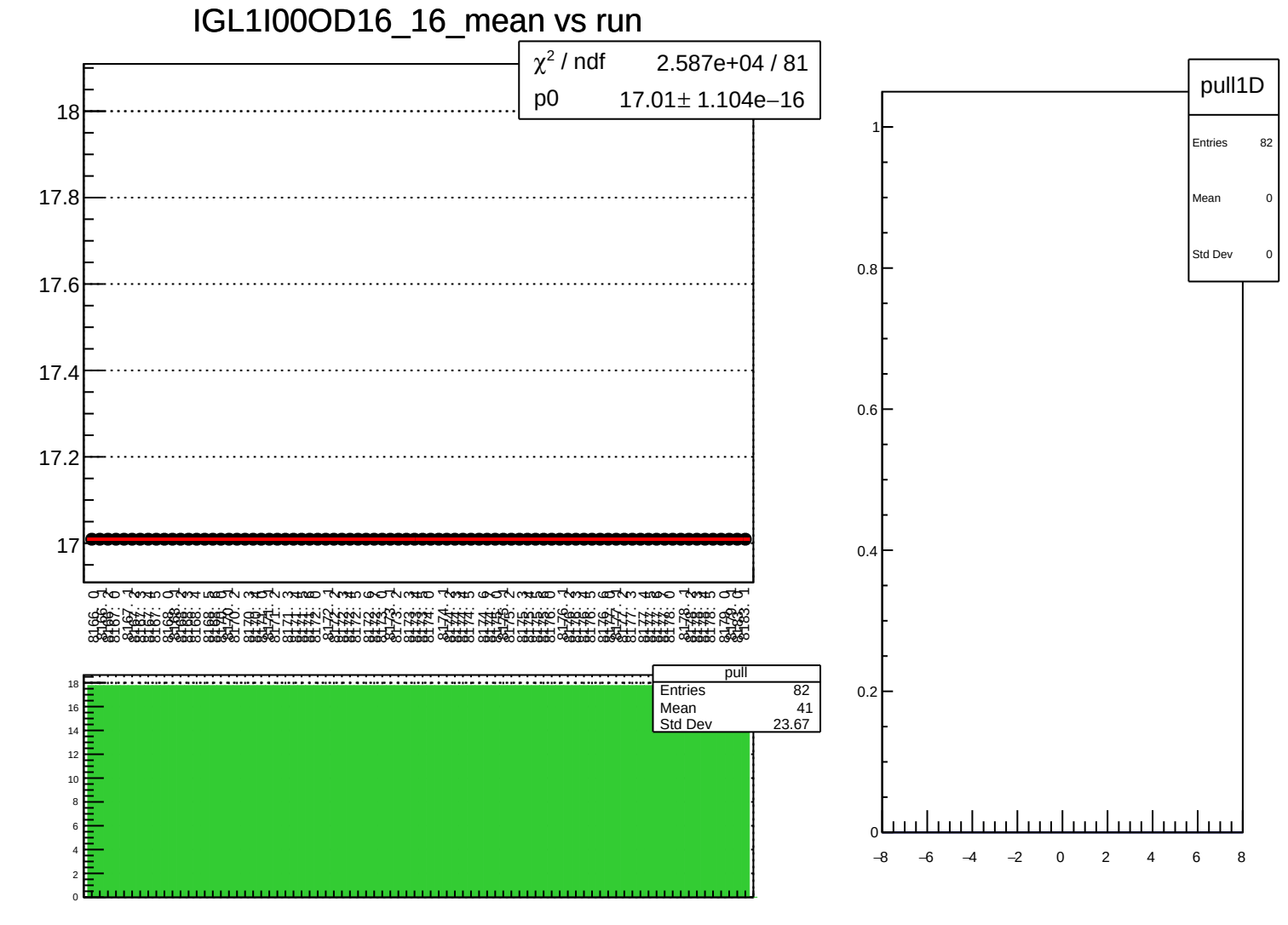

VWienAngle_mean vs run
χ² / ndf 4.14e+05 / 81
p0 88 ± 1.104e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 82
Mean 41
Std Dev 23.67
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

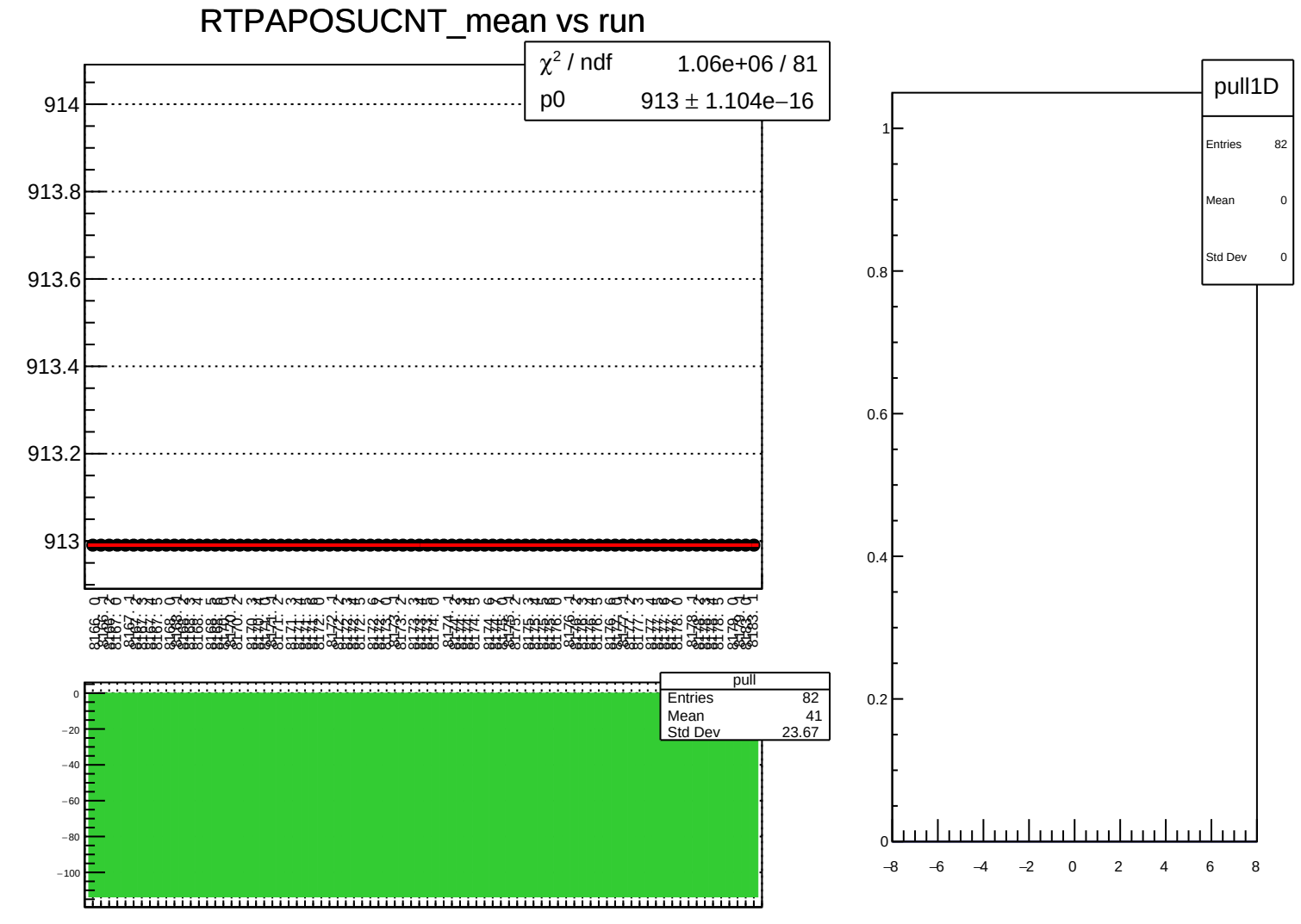

HWienAngle_mean vs run
χ² / ndf 3.353e+05 / 81
p0 −29.64 ± 1.104e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 82
Mean 41
Std Dev 23.67
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

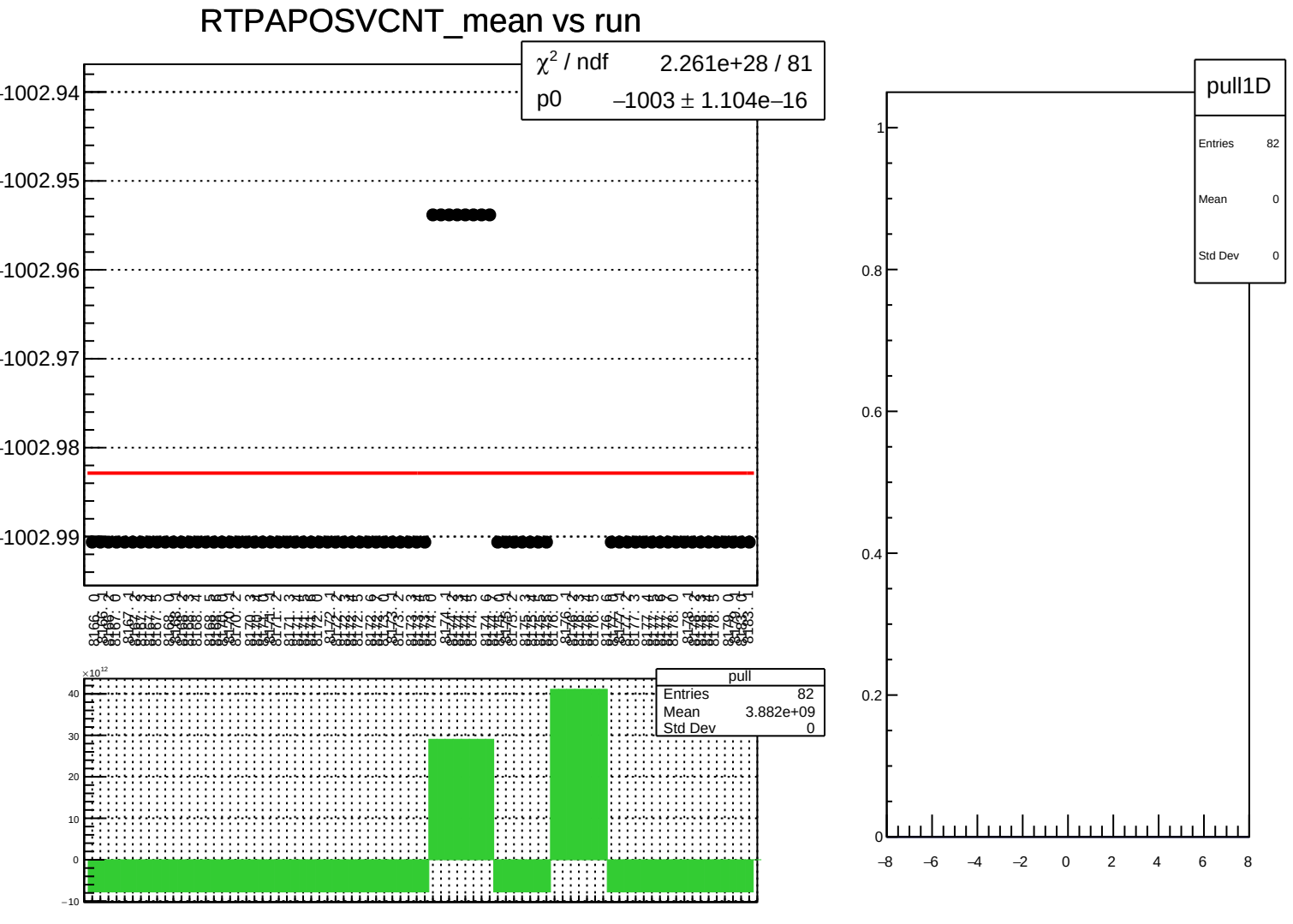

psub_pl_pos_mean vs run
χ² / ndf 9.538e+08 / 81
p0 1500 ± 1.104e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 82
Mean 41
Std Dev 23.67
3500
3000
2500
2000
1500
1000
500
0
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

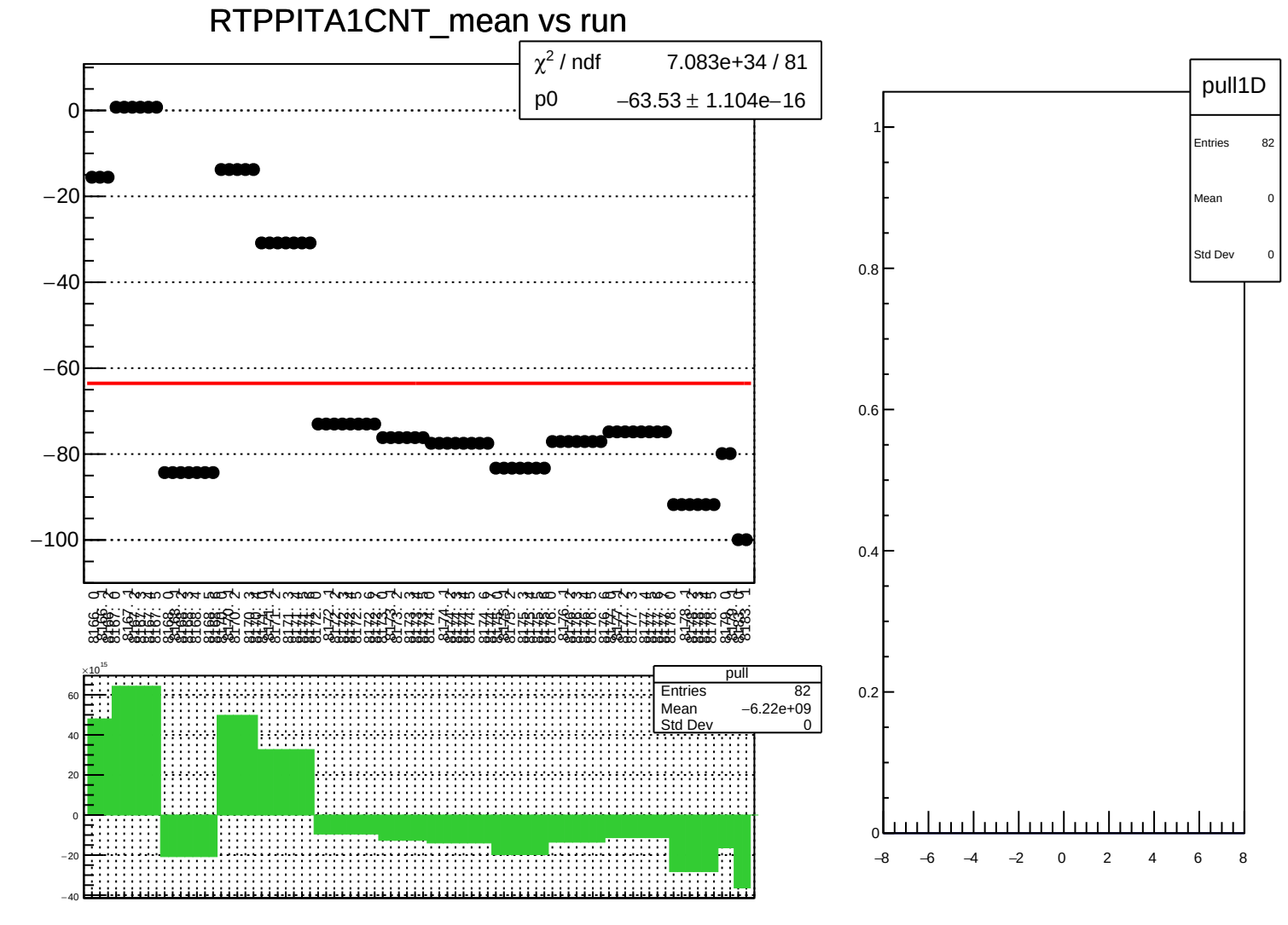

Phi_FG_mean vs run
χ² / ndf 5.962e+05 / 81
p0 89.96 ± 1.104e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 82
Mean 41
Std Dev 23.67
80
70
60
50
40
30
20
10
0
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

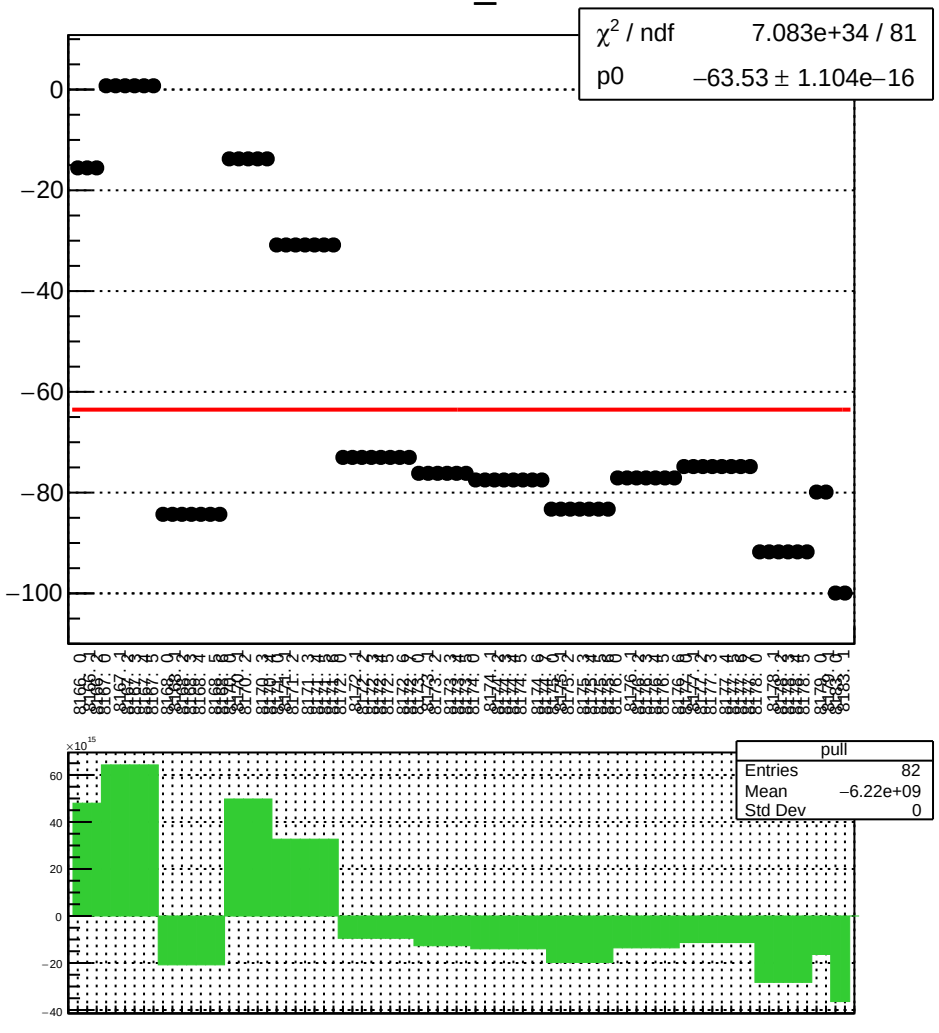

IGL1I00DI24_24M_mean vs run
χ² / ndf 9315 / 81
p0 16.01± 1.104e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 82
Mean 41
Std Dev 23.67
0
−2
−4
−6
−8
−10
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

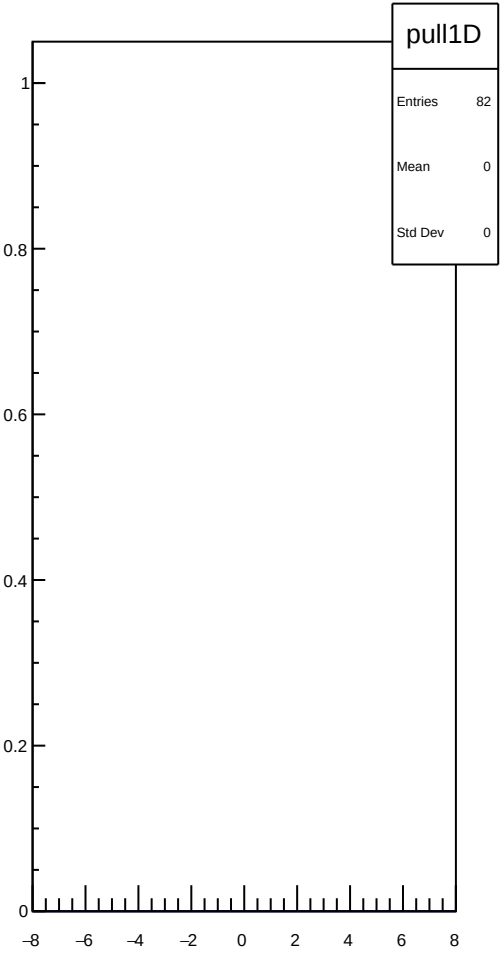

IGL1I00OD16_16_mean vs run
χ² / ndf 2.587e+04 / 81
p0 17.01± 1.104e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSUCNT_mean vs run
χ² / ndf 1.06e+06 / 81
p0 913 ± 1.104e−16
914
913.8
913.6
913.4
913.2
913
pull
Entries 82
Mean 41
Std Dev 23.67
0
−20
−40
−60
−80
−100
pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 2.261e+28 / 81
p0 −1003 ± 1.104e−16
−1002.94
−1002.95
−1002.96
−1002.97
−1002.98
−1002.99
pull
Entries 82
Mean 3.882e+09
Std Dev 0
×10¹²
40
30
20
10
0
−10
pull1D
Entries 82
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 7.083e+34 / 81
p0 −63.53 ± 1.104e−16
pull
Entries 82
Mean −6.22e+09
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 7.083e+34 / 81
p0 −63.53 ± 1.104e−16
pull
Entries 82
Mean −6.22e+09
Std Dev 0


pull1D
Entries 82
Mean 0
Std Dev 0