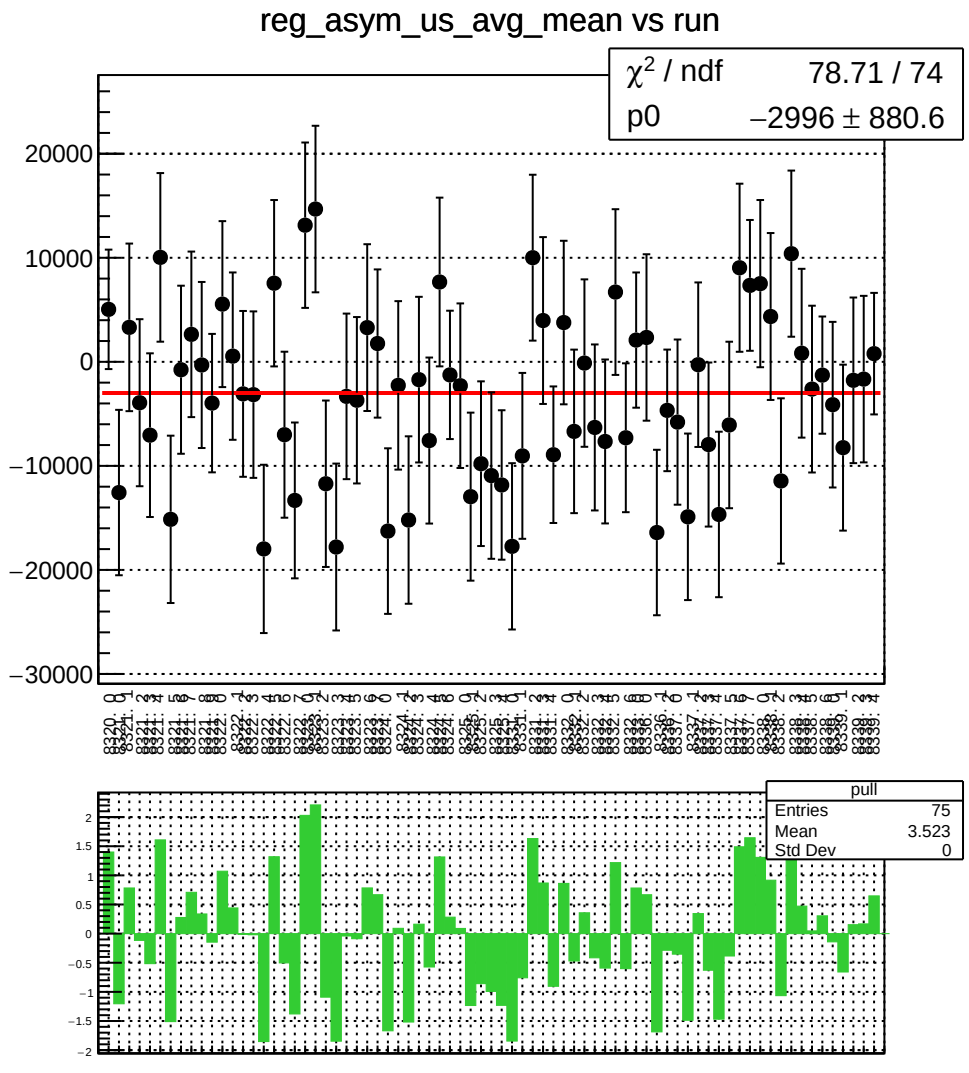
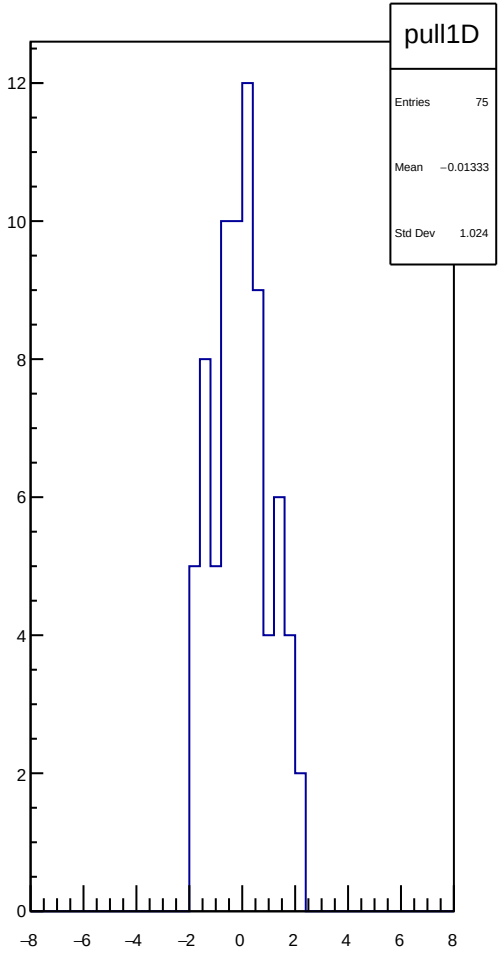
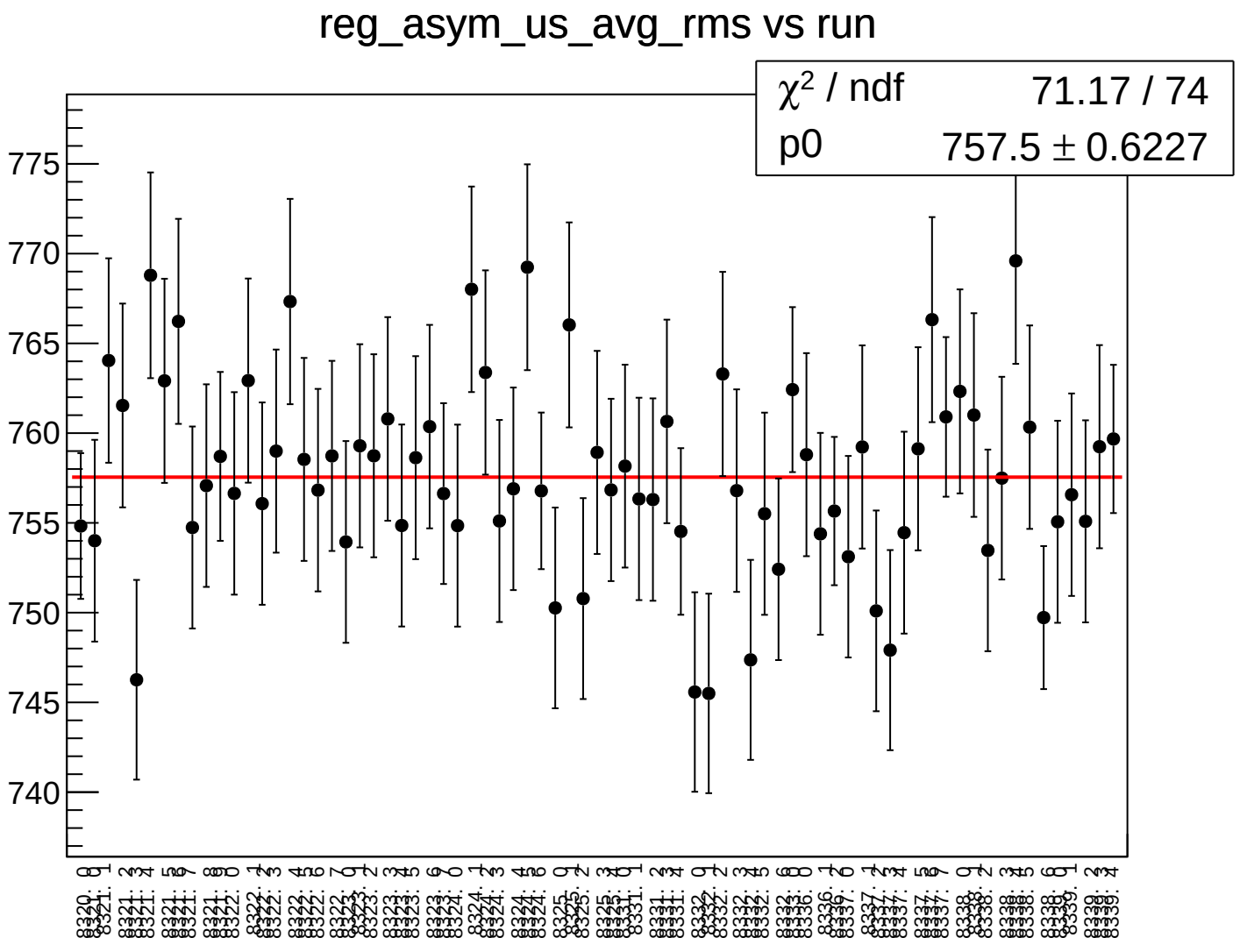
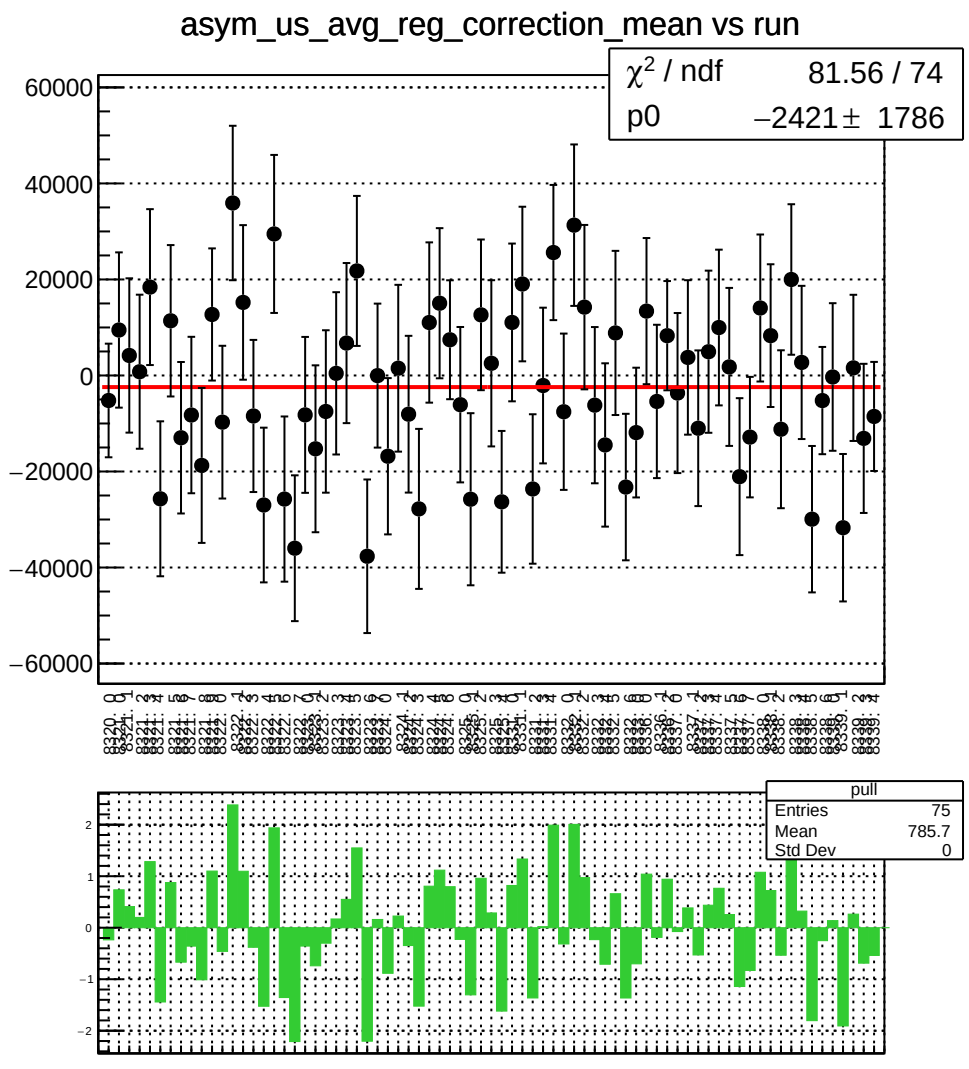
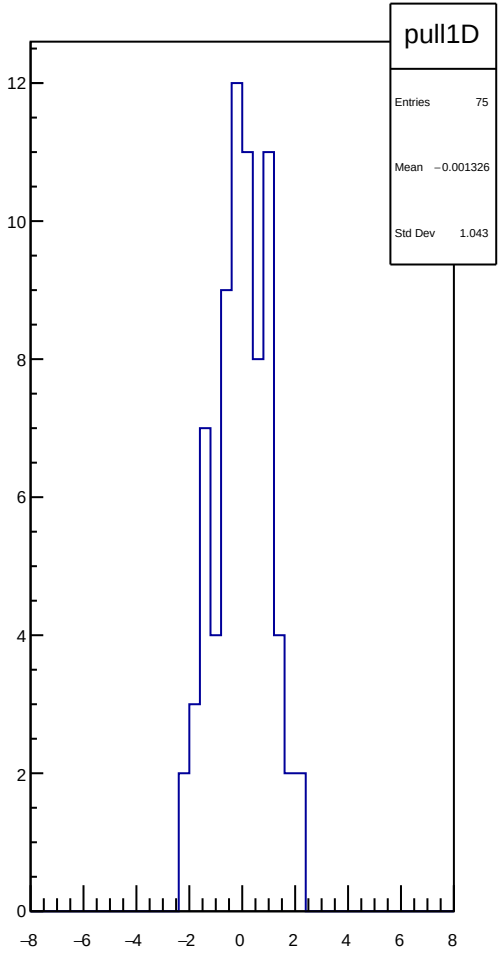
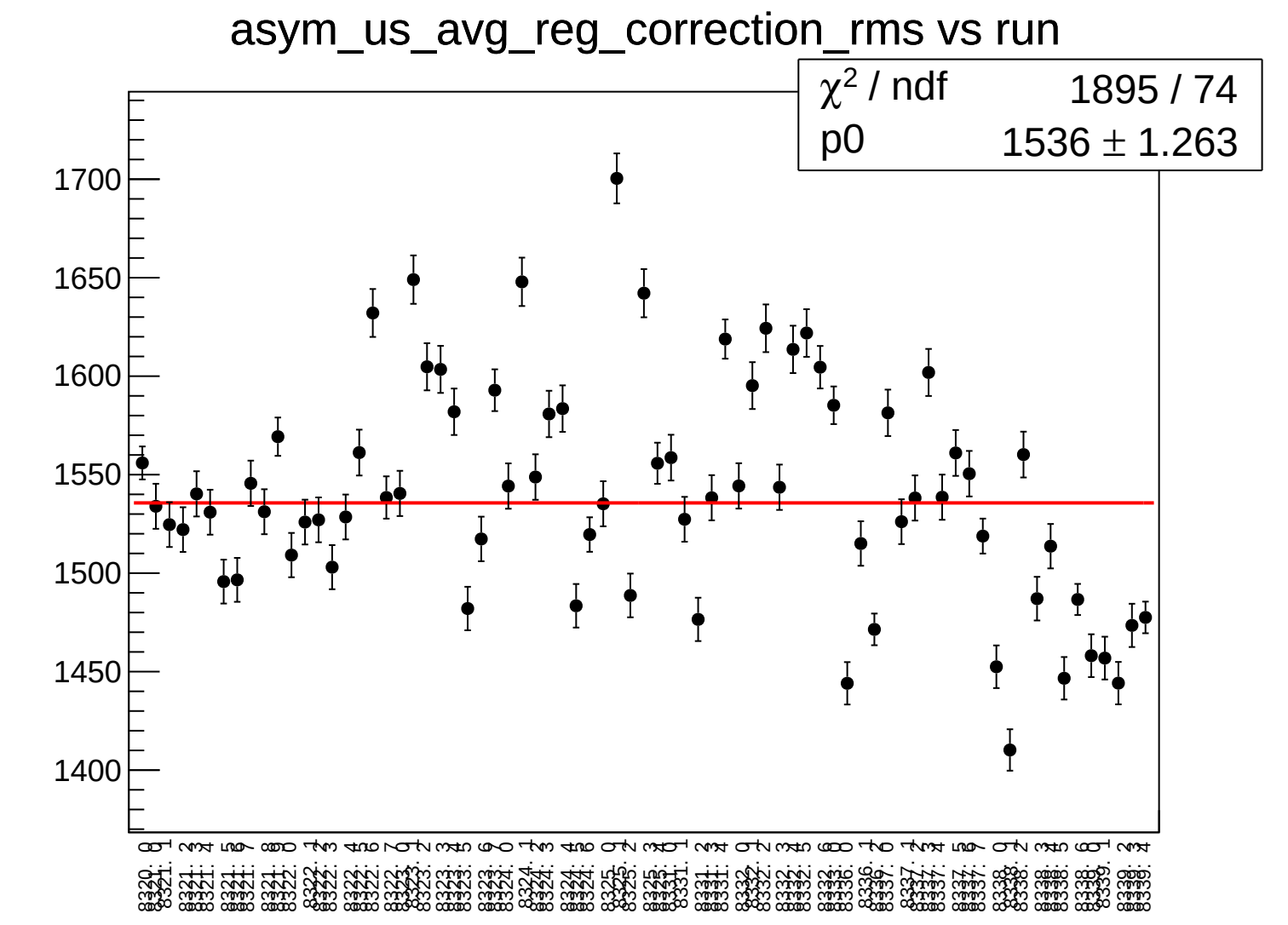

reg_asym_us_avg_mean vs run
χ² / ndf 78.71 / 74
p0 −2996 ± 880.6
pull
Entries 75
Mean 3.523
Std Dev 0

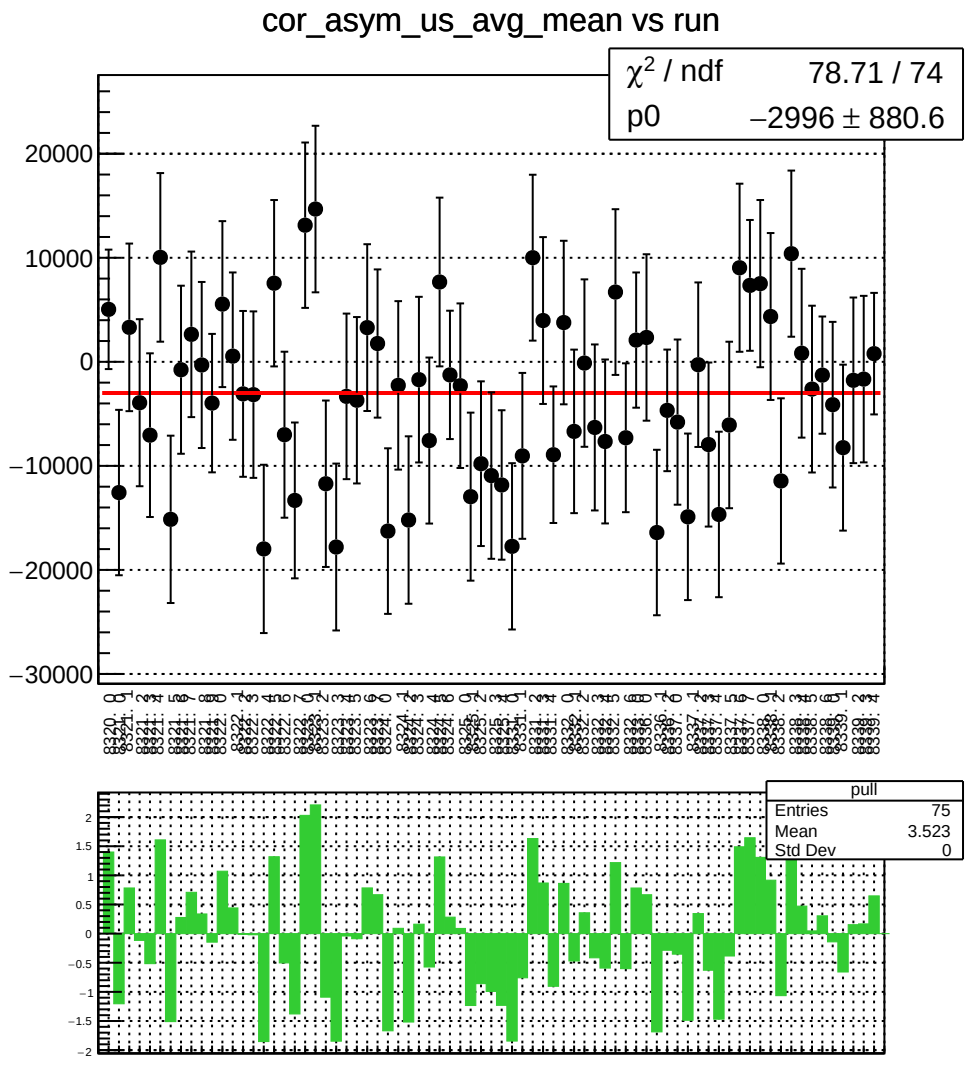

pull1D
Entries 75
Mean −0.01333
Std Dev 1.024

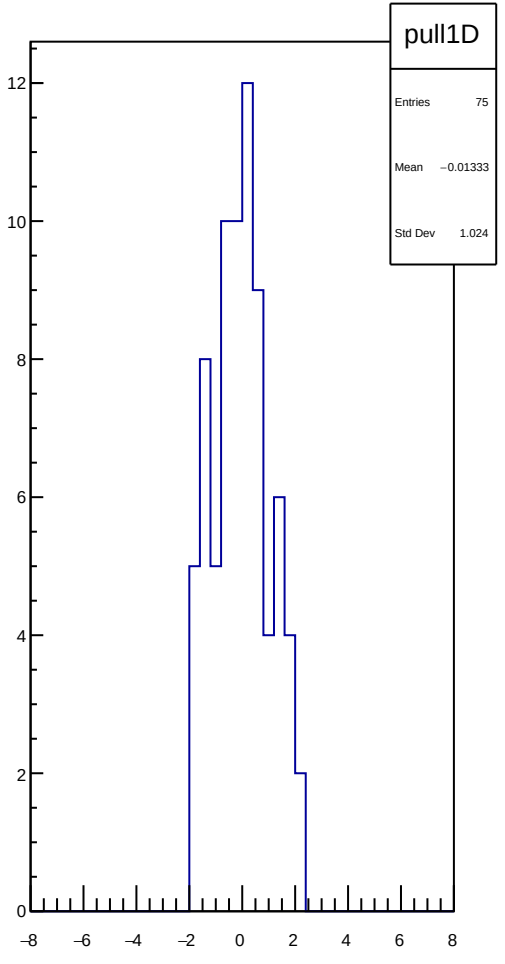

reg_asym_us_avg_rms vs run
χ² / ndf 71.17 / 74
p0 757.5 ± 0.6227
775
770
765
760
755
750
745
740

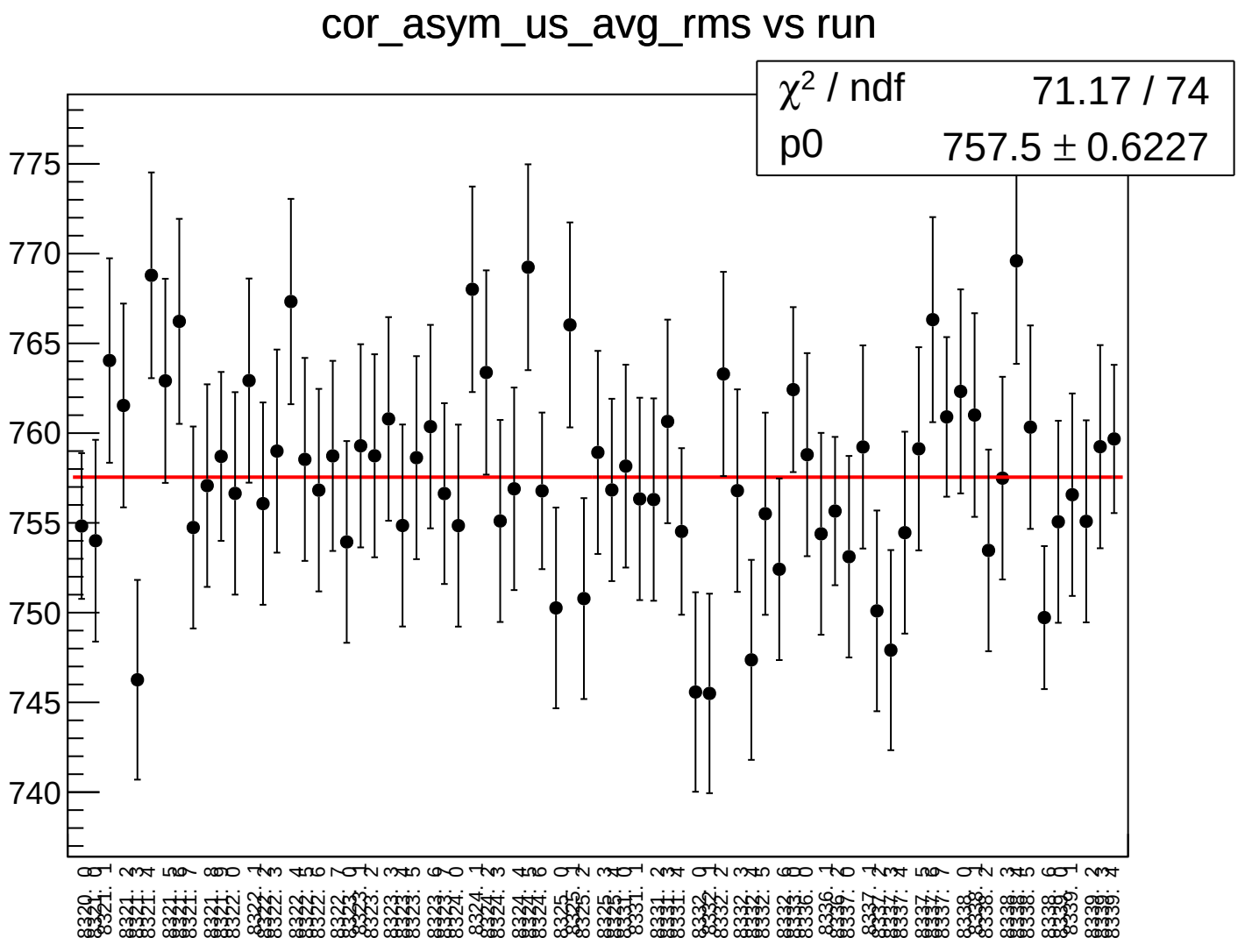

asym_us_avg_reg_correction_mean vs run
χ² / ndf 81.56 / 74
p0 −2421 ± 1786
pull
Entries 75
Mean 785.7
Std Dev 0

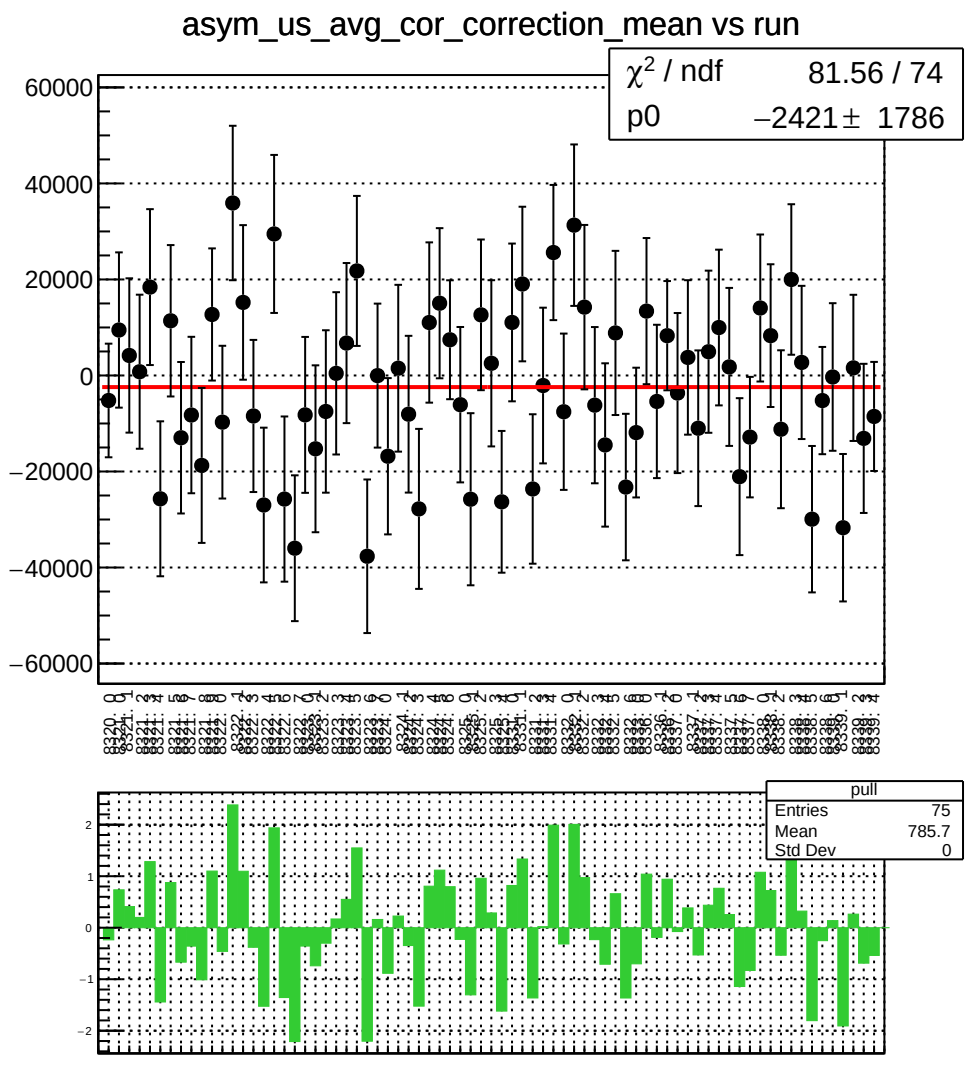

pull1D
Entries 75
Mean −0.001326
Std Dev 1.043

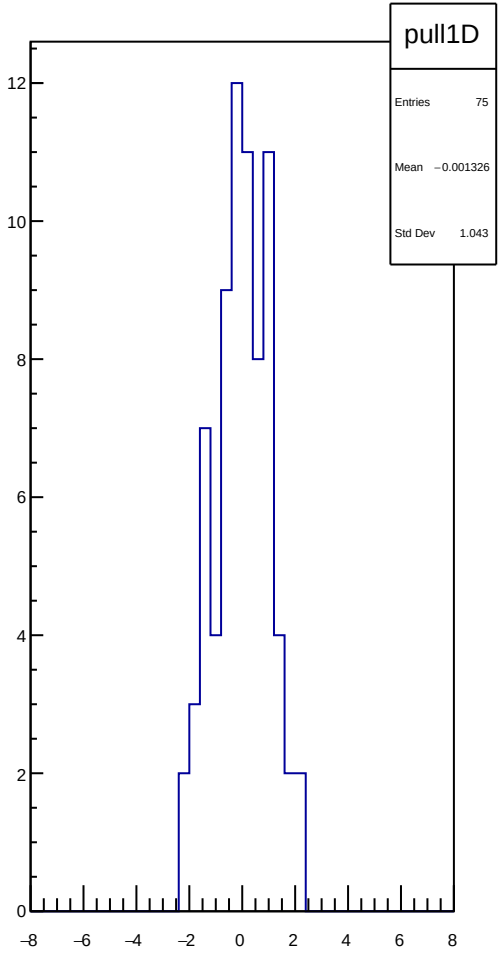

asym_us_avg_reg_correction_rms vs run
χ² / ndf 1895 / 74
p0 1536 ± 1.263
1700
1650
1600
1550
1500
1450
1400

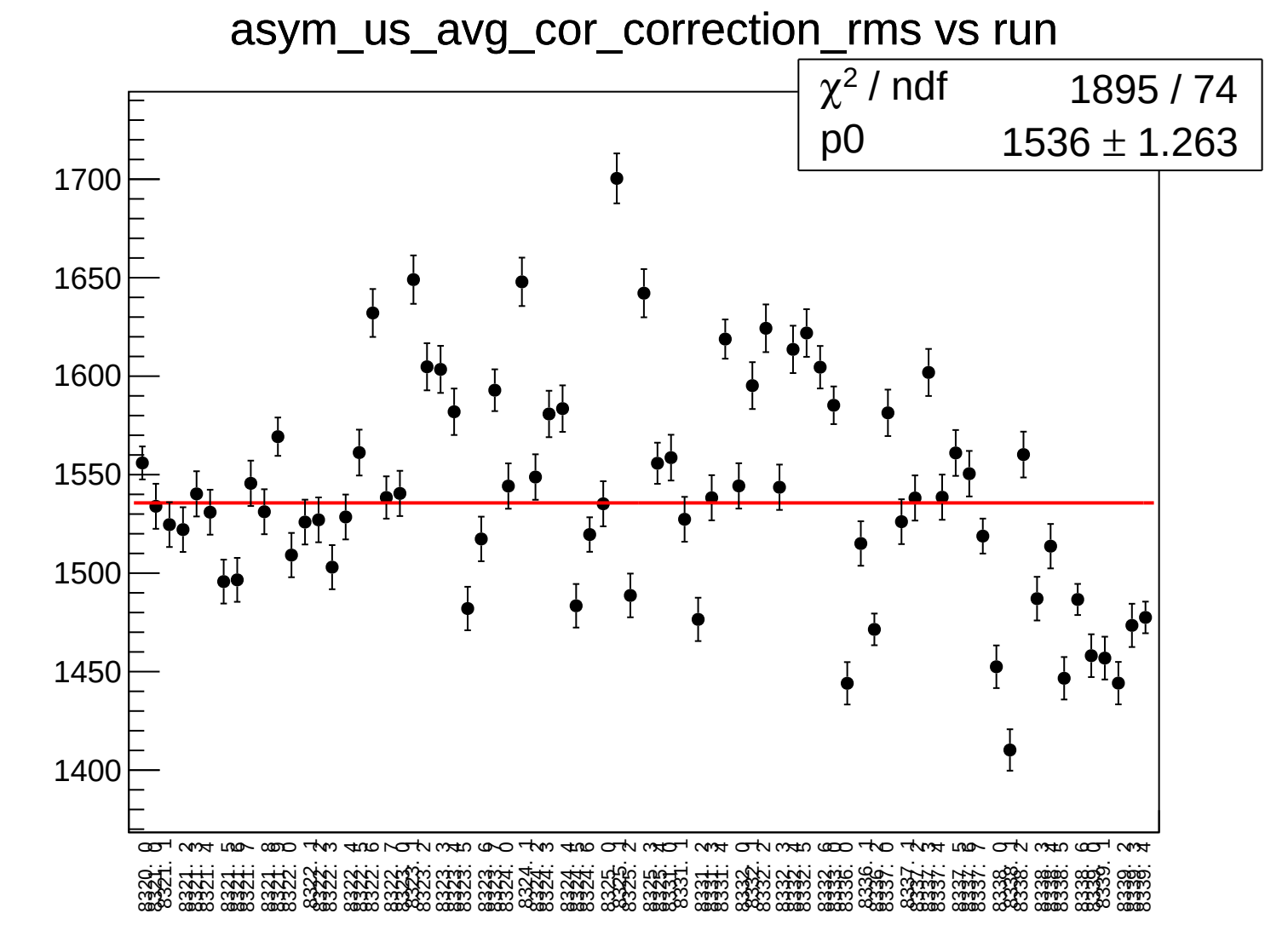

cor_asym_us_avg_mean vs run
χ² / ndf 78.71 / 74
p0 −2996 ± 880.6
pull
Entries 75
Mean 3.523
Std Dev 0

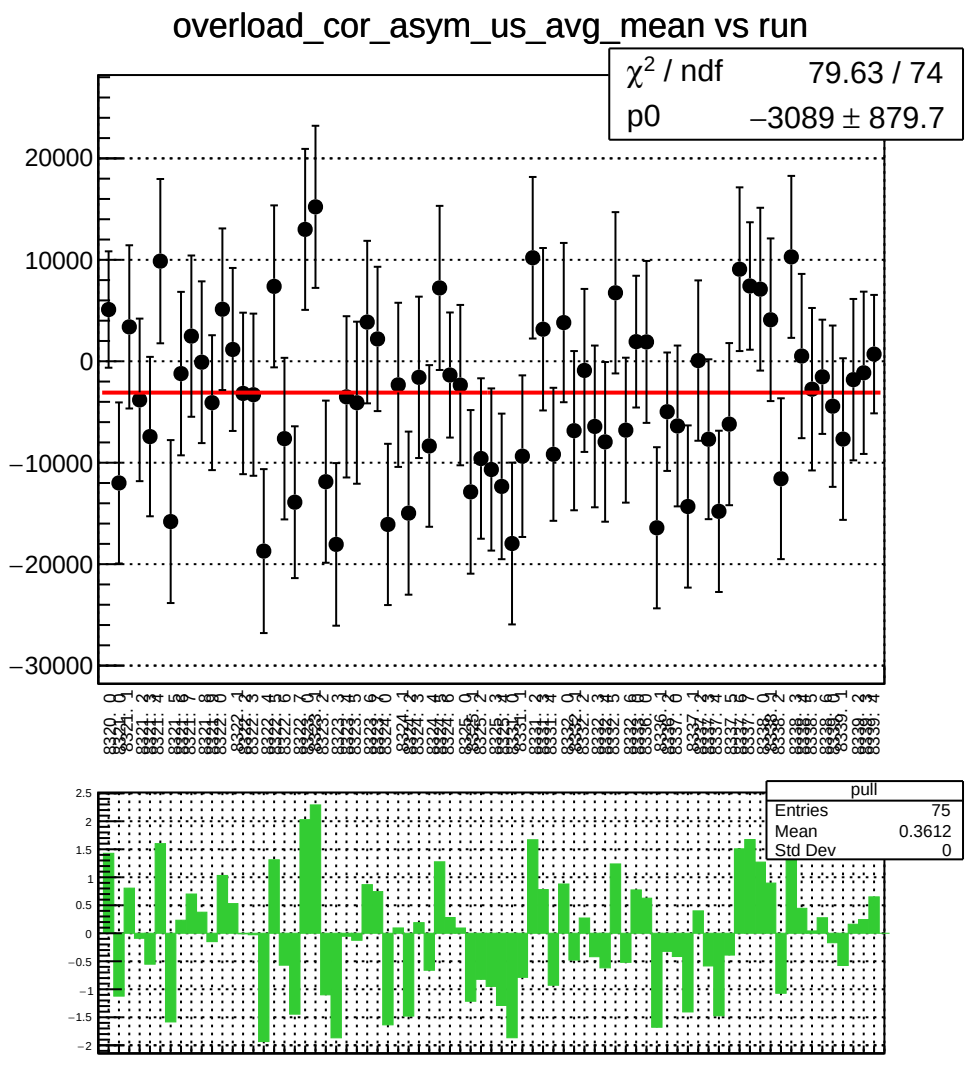

pull1D
Entries 75
Mean −0.01333
Std Dev 1.024

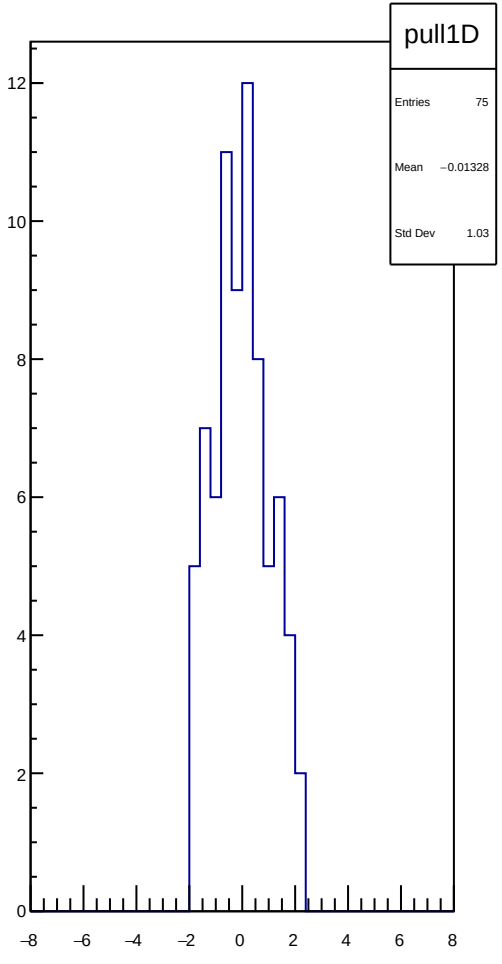

cor_asym_us_avg_rms vs run
χ² / ndf 71.17 / 74
p0 757.5 ± 0.6227
775
770
765
760
755
750
745
740

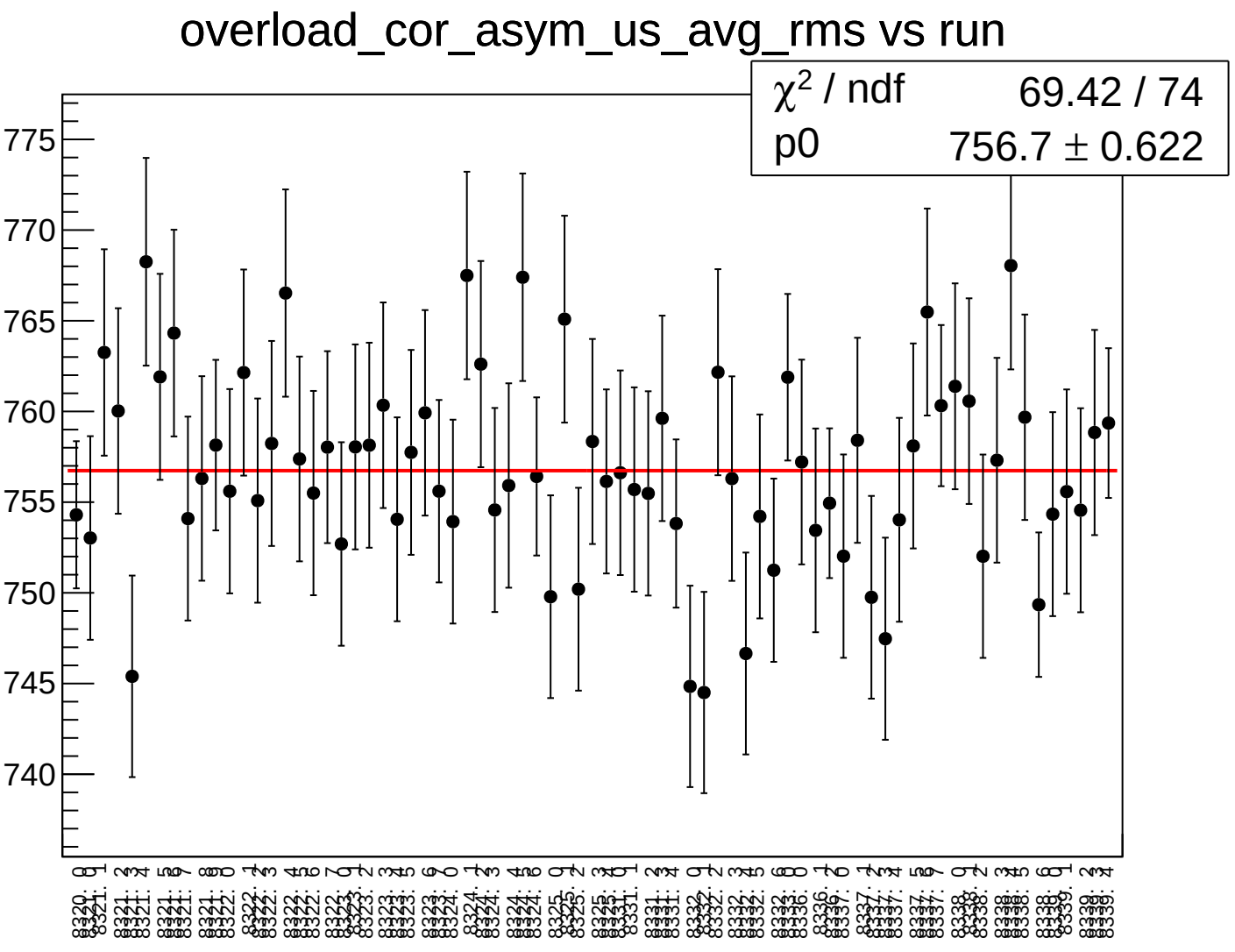

asym_us_avg_cor_correction_mean vs run
χ² / ndf 81.56 / 74
p0 −2421 ± 1786
pull
Entries 75
Mean 785.7
Std Dev 0

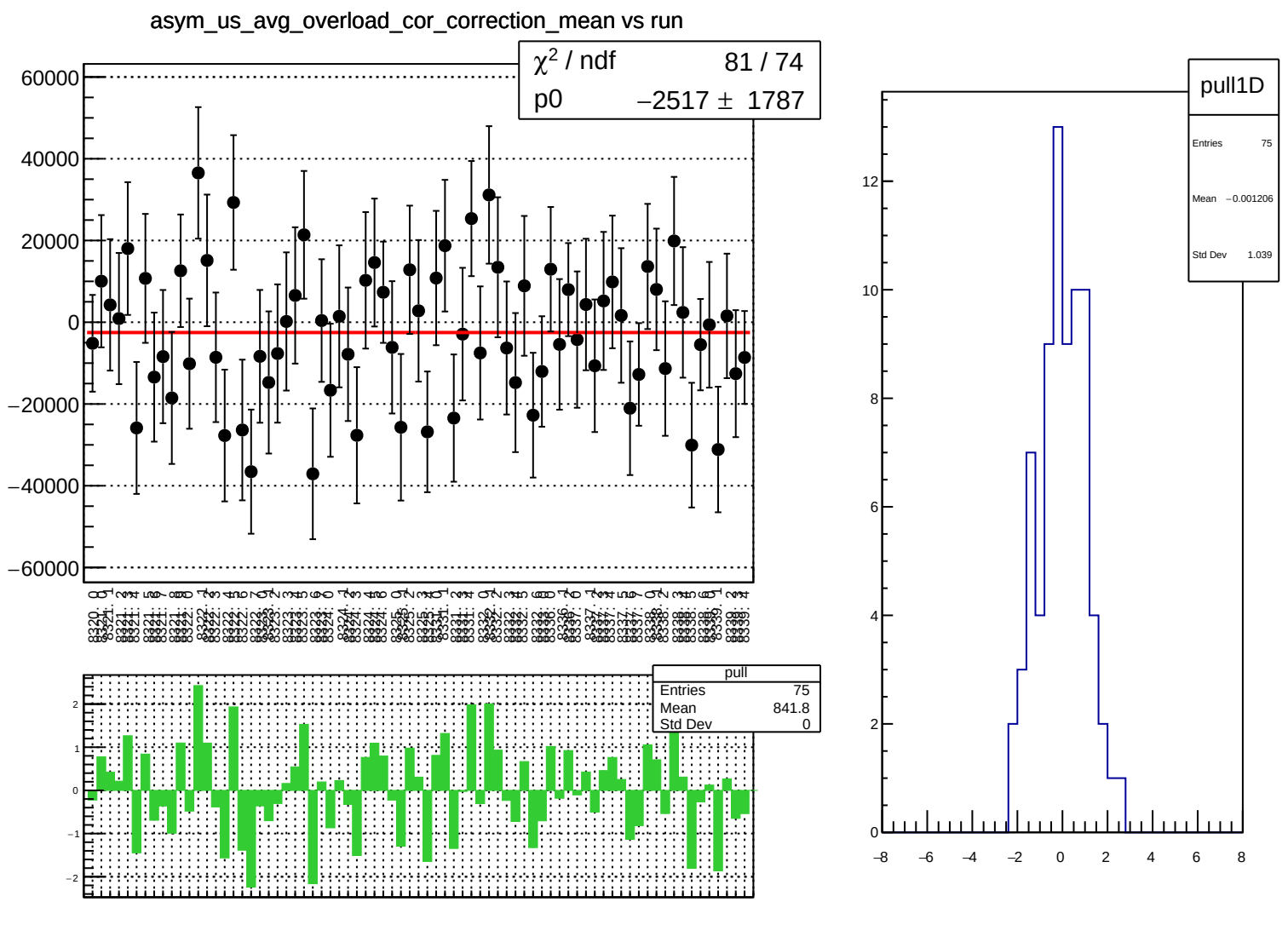

pull1D
Entries 75
Mean −0.001326
Std Dev 1.043

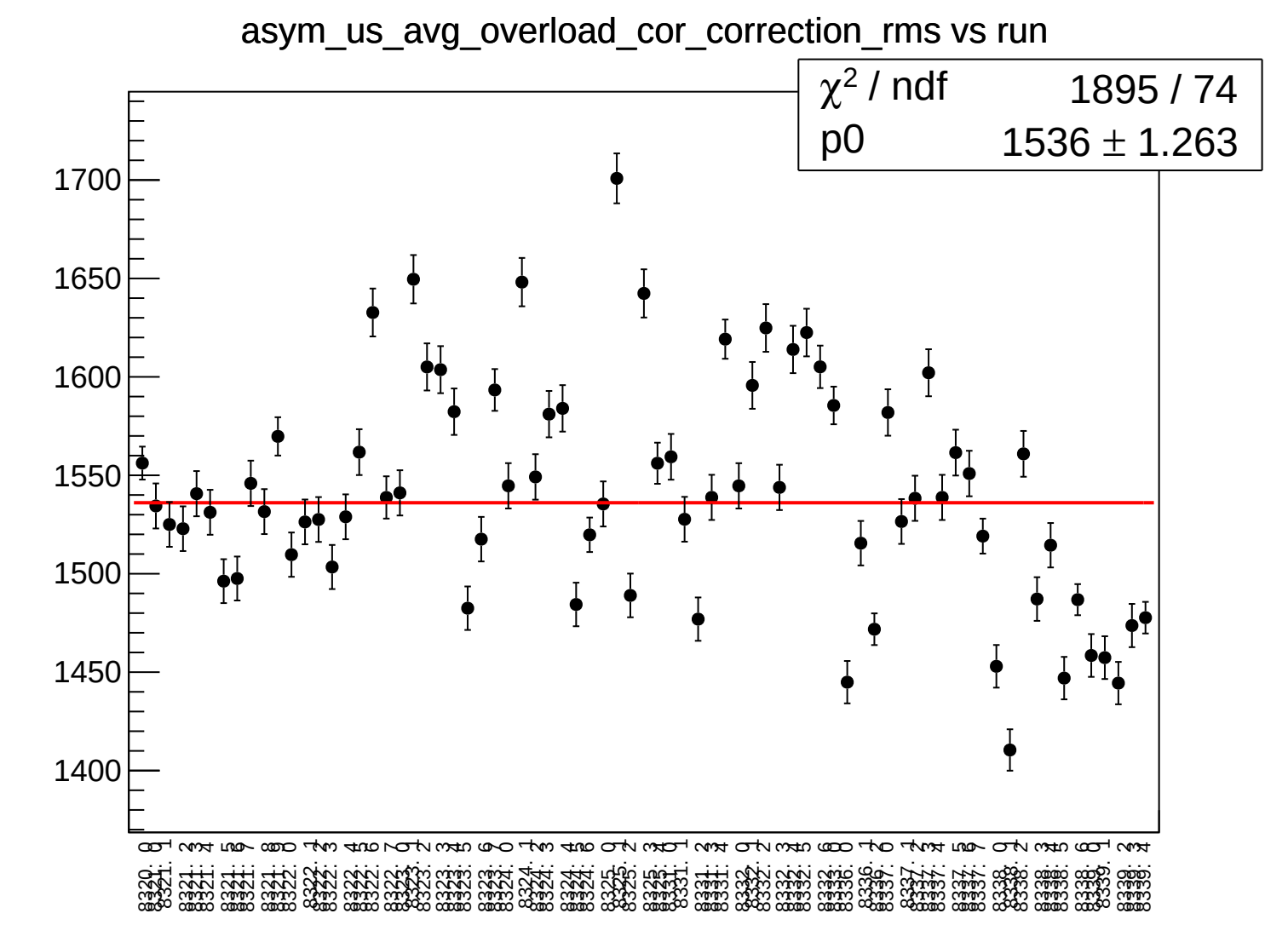

asym_us_avg_cor_correction_rms vs run
χ² / ndf 1895 / 74
p0 1536 ± 1.263
1700
1650
1600
1550
1500
1450
1400

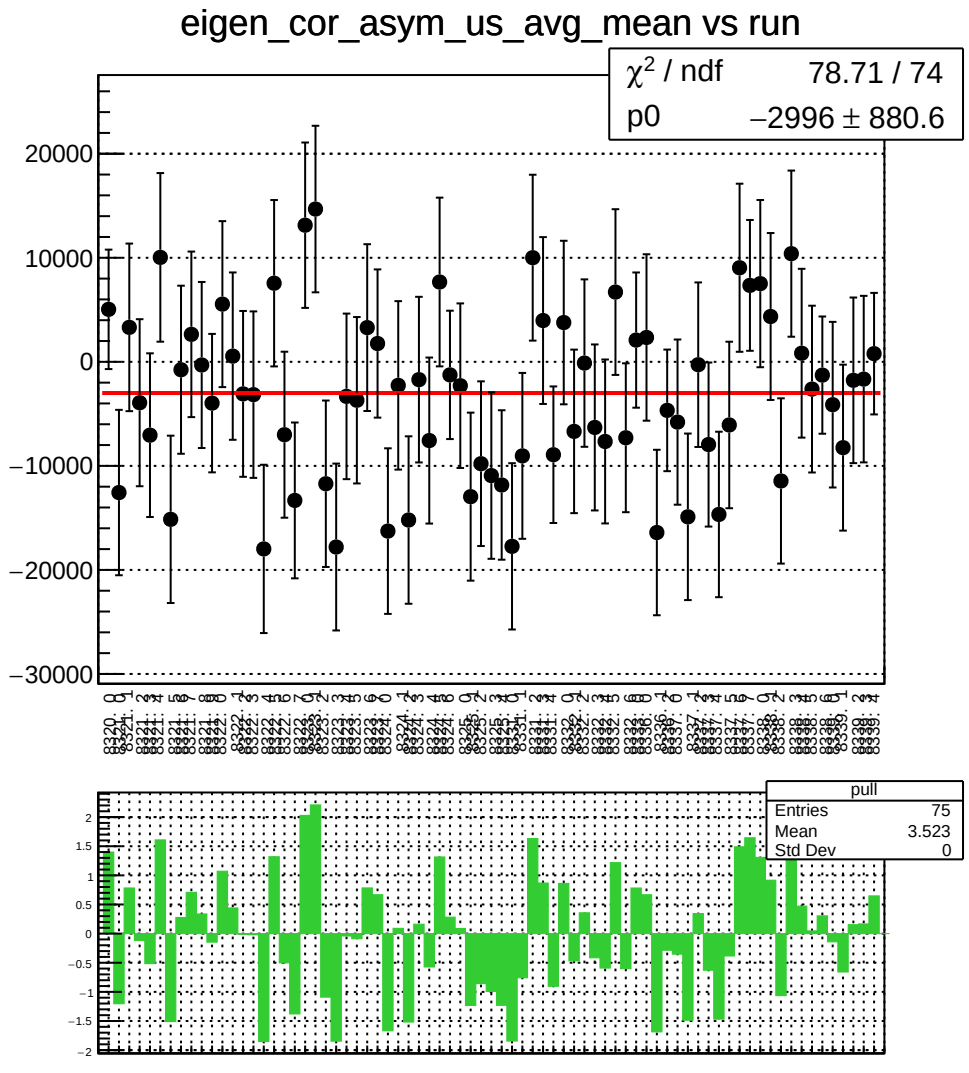

overload_cor_asym_us_avg_mean vs run
χ² / ndf 79.63 / 74
p0 −3089 ± 879.7
pull
Entries 75
Mean 0.3612
Std Dev 0

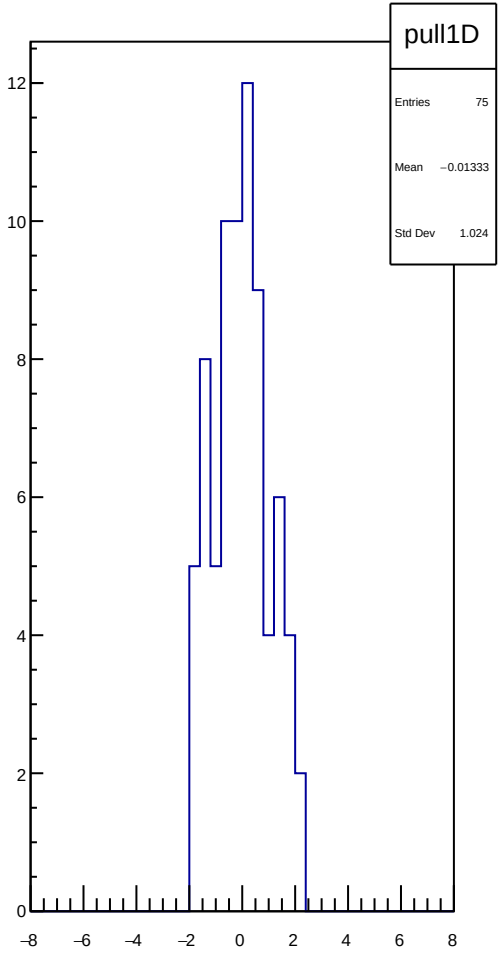

pull1D
Entries 75
Mean −0.01328
Std Dev 1.03

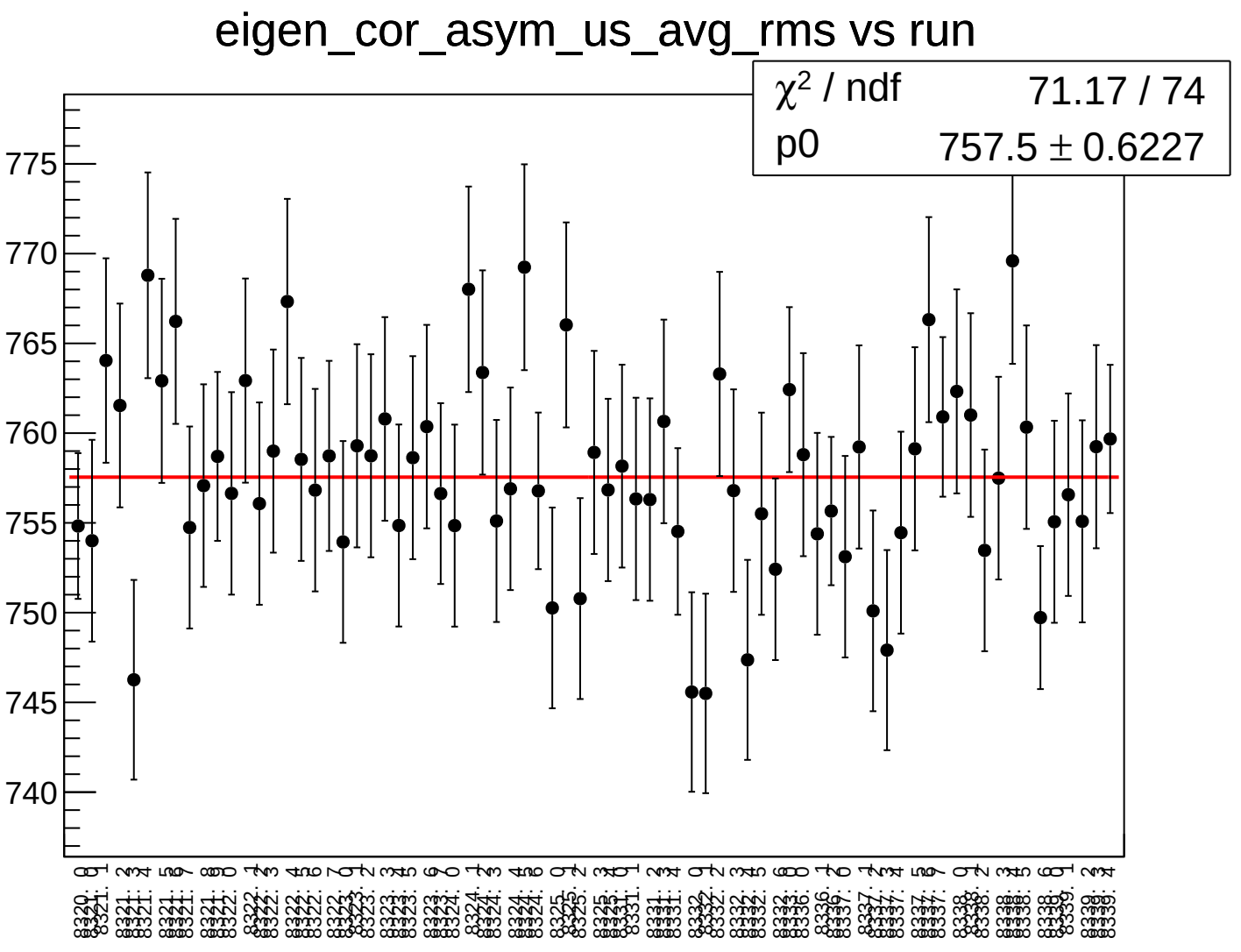

overload_cor_asym_us_avg_rms vs run
χ^2 / ndf 69.42 / 74
p0 756.7 ± 0.622
775
770
765
760
755
750
745
740

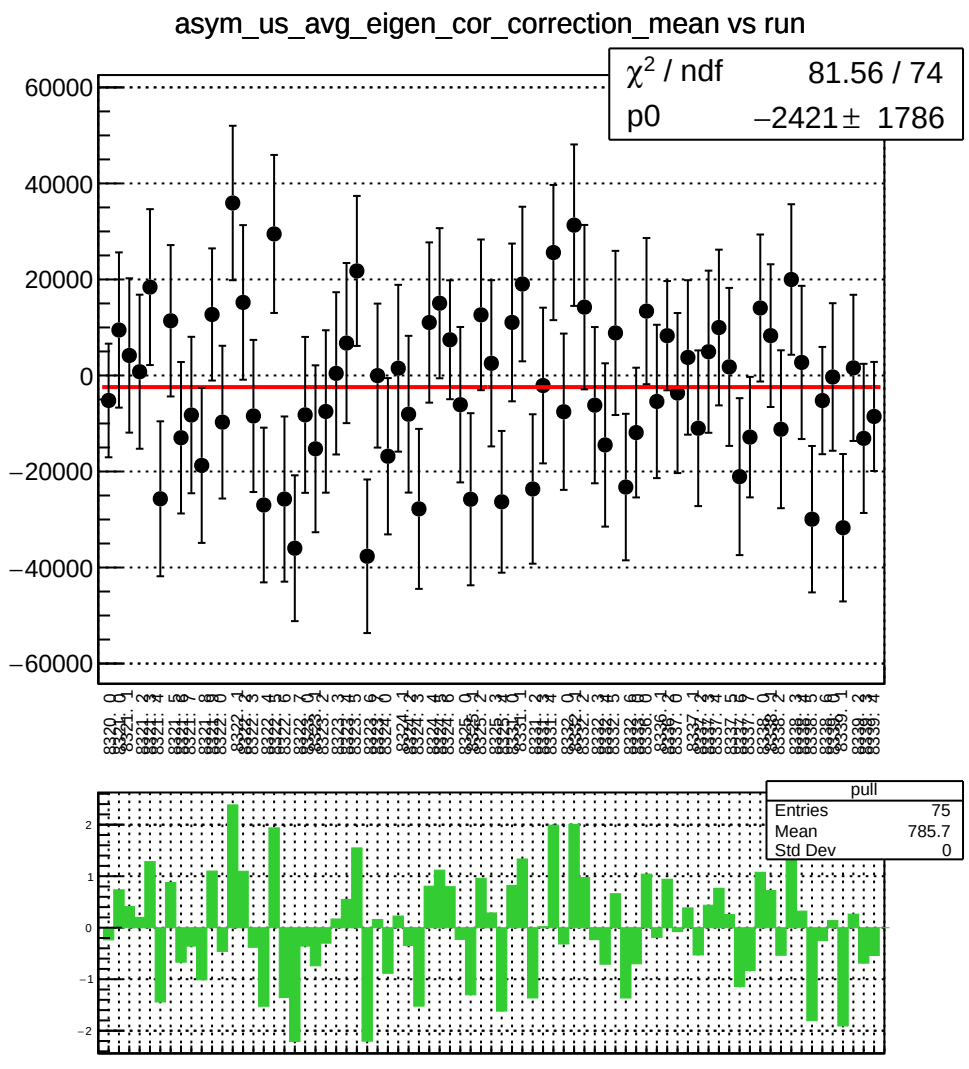

asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 81 / 74
p0 −2517 ± 1787
pull
Entries 75
Mean 841.8
Std Dev 0
pull1D
Entries 75
Mean −0.001206
Std Dev 1.039

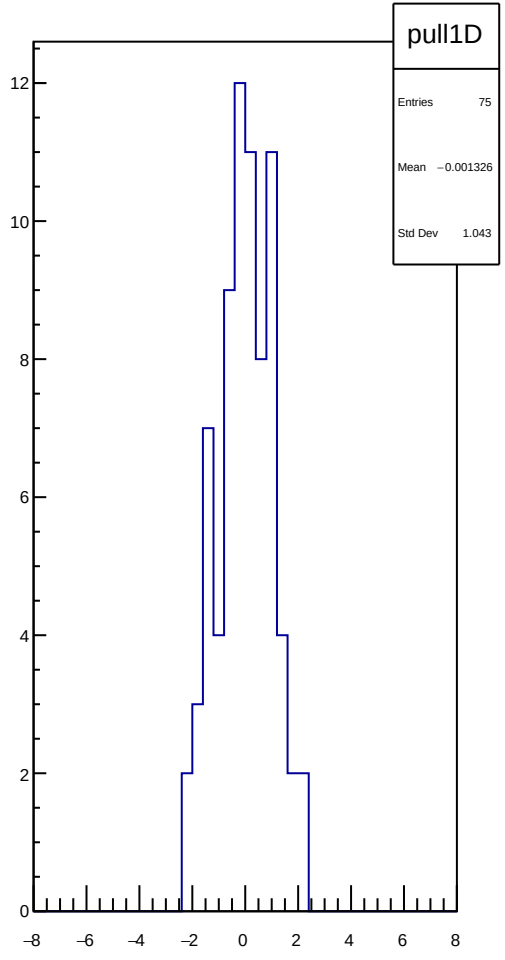

asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 1895 / 74
p0 1536 ± 1.263
1700
1650
1600
1550
1500
1450
1400

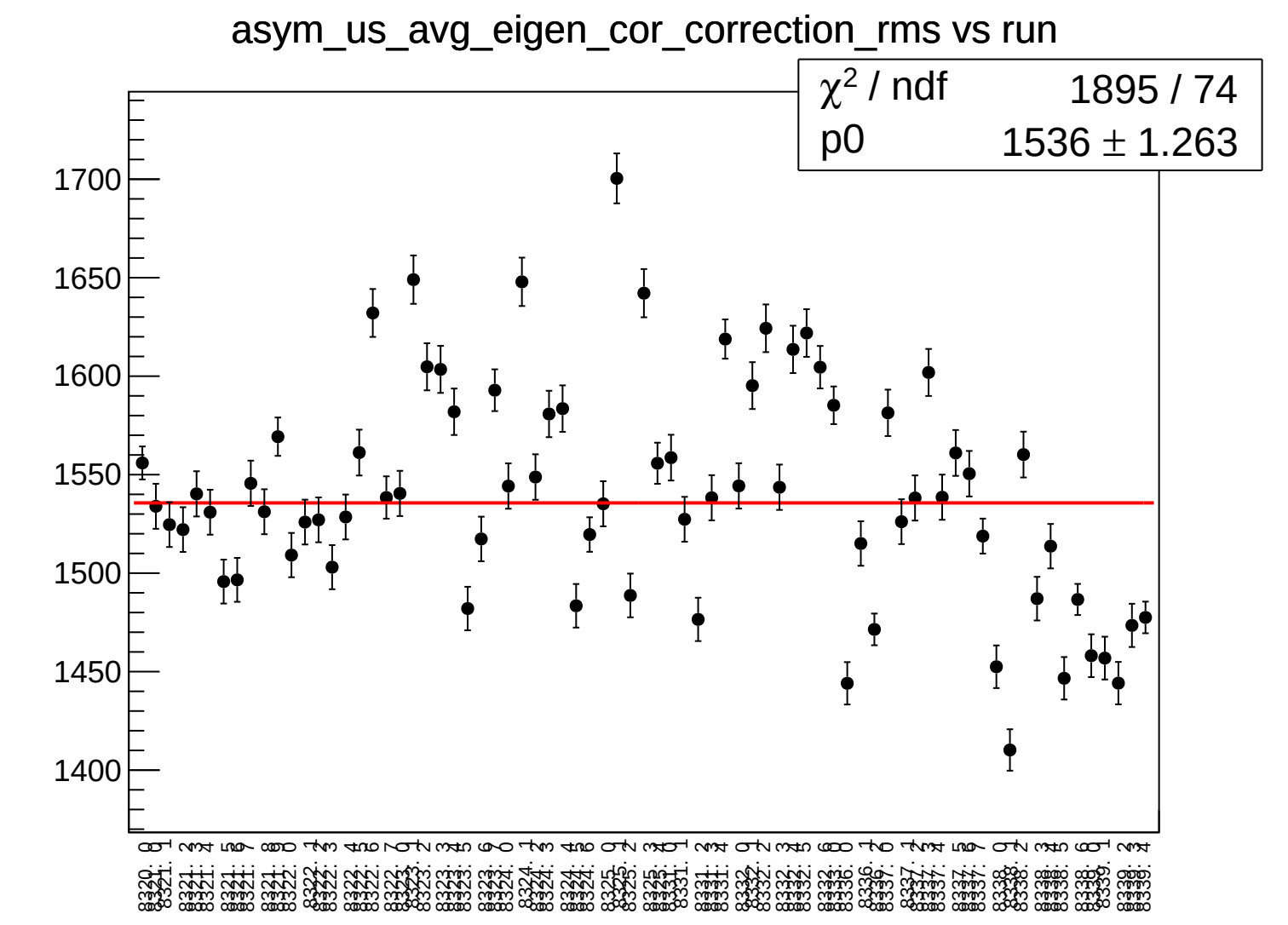

eigen_cor_asym_us_avg_mean vs run
χ² / ndf 78.71 / 74
p0 −2996 ± 880.6
pull
Entries 75
Mean 3.523
Std Dev 0

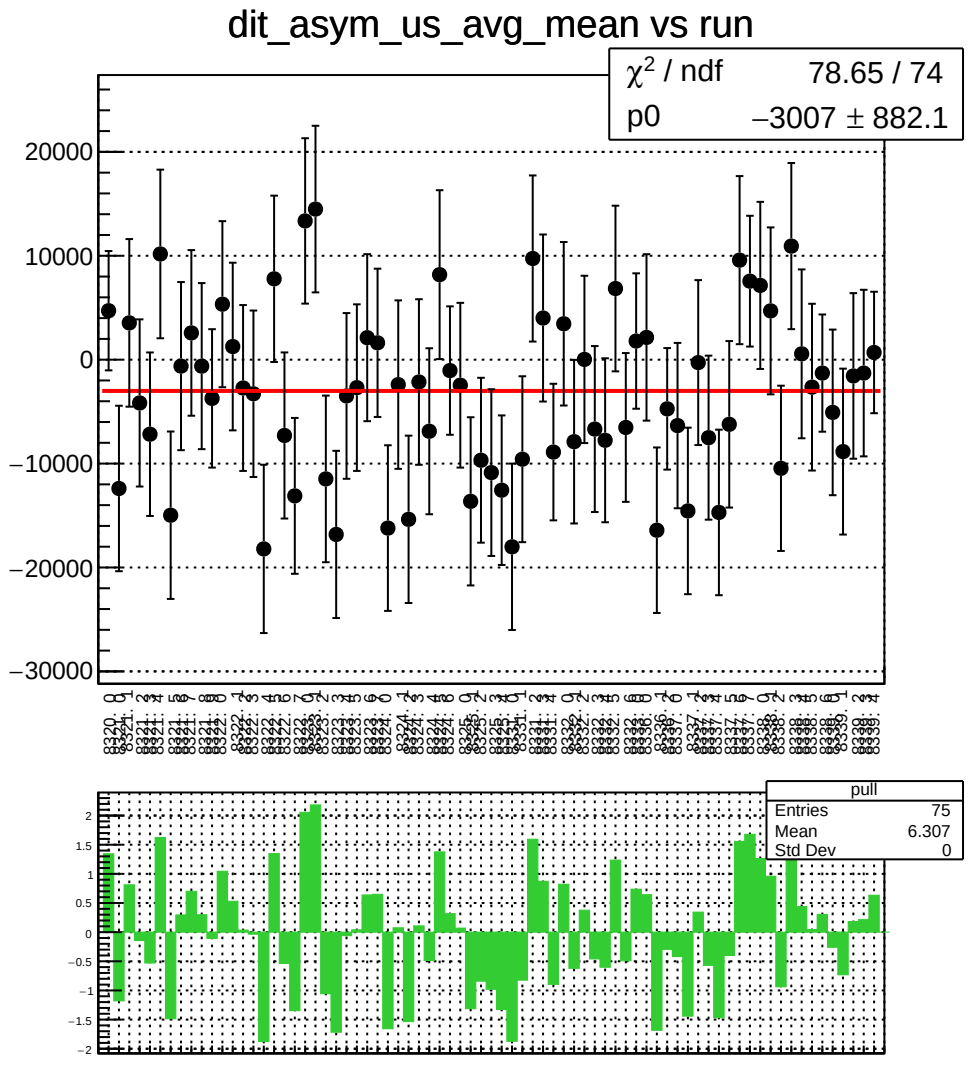

pull1D
Entries 75
Mean −0.01333
Std Dev 1.024

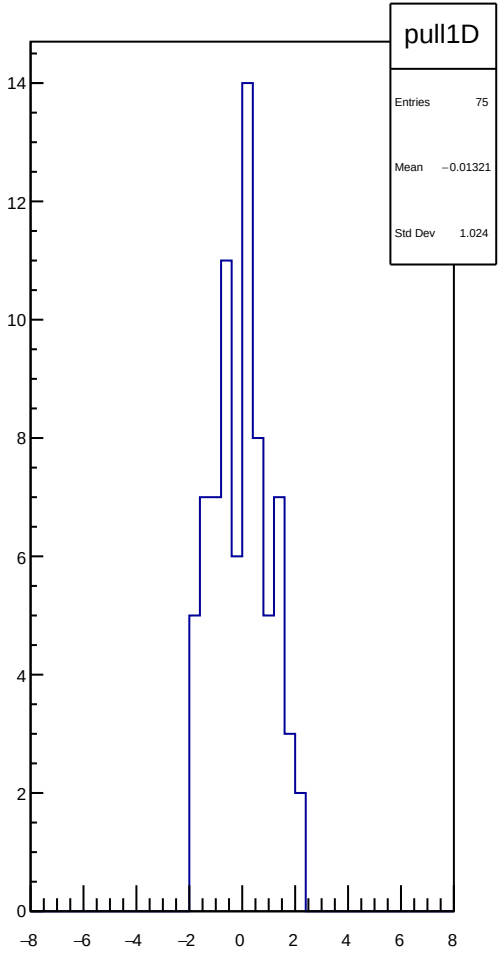

eigen_cor_asym_us_avg_rms vs run
χ² / ndf 71.17 / 74
p0 757.5 ± 0.6227
775
770
765
760
755
750
745
740

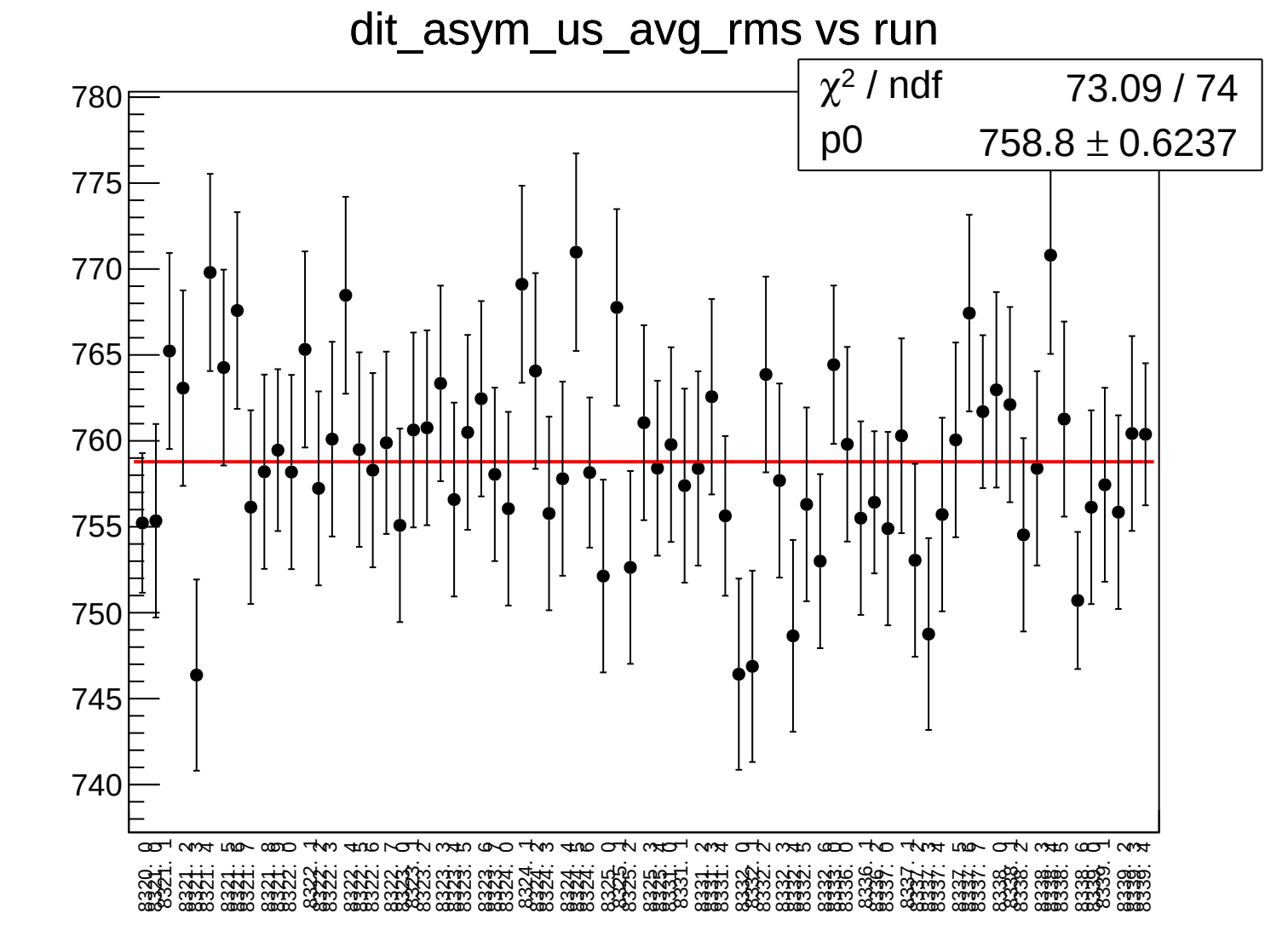

asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.56 / 74
p0 −2421 ± 1786
pull
Entries 75
Mean 785.7
Std Dev 0

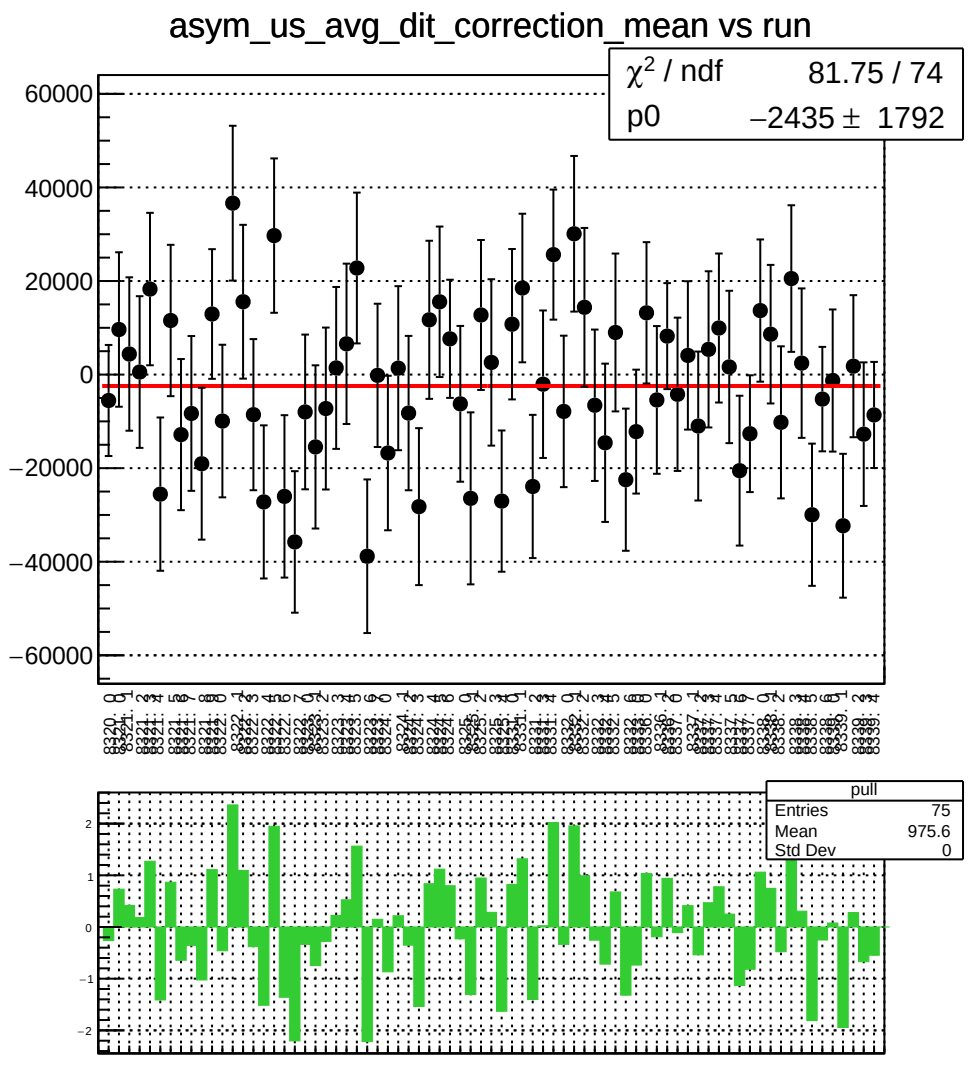

pull1D
Entries 75
Mean −0.001326
Std Dev 1.043

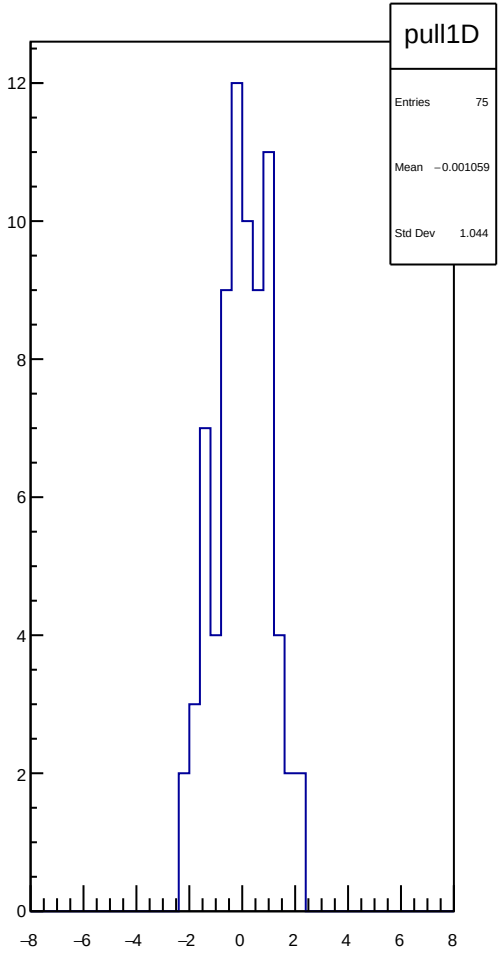

asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 1895 / 74
p0 1536 ± 1.263
1700
1650
1600
1550
1500
1450
1400

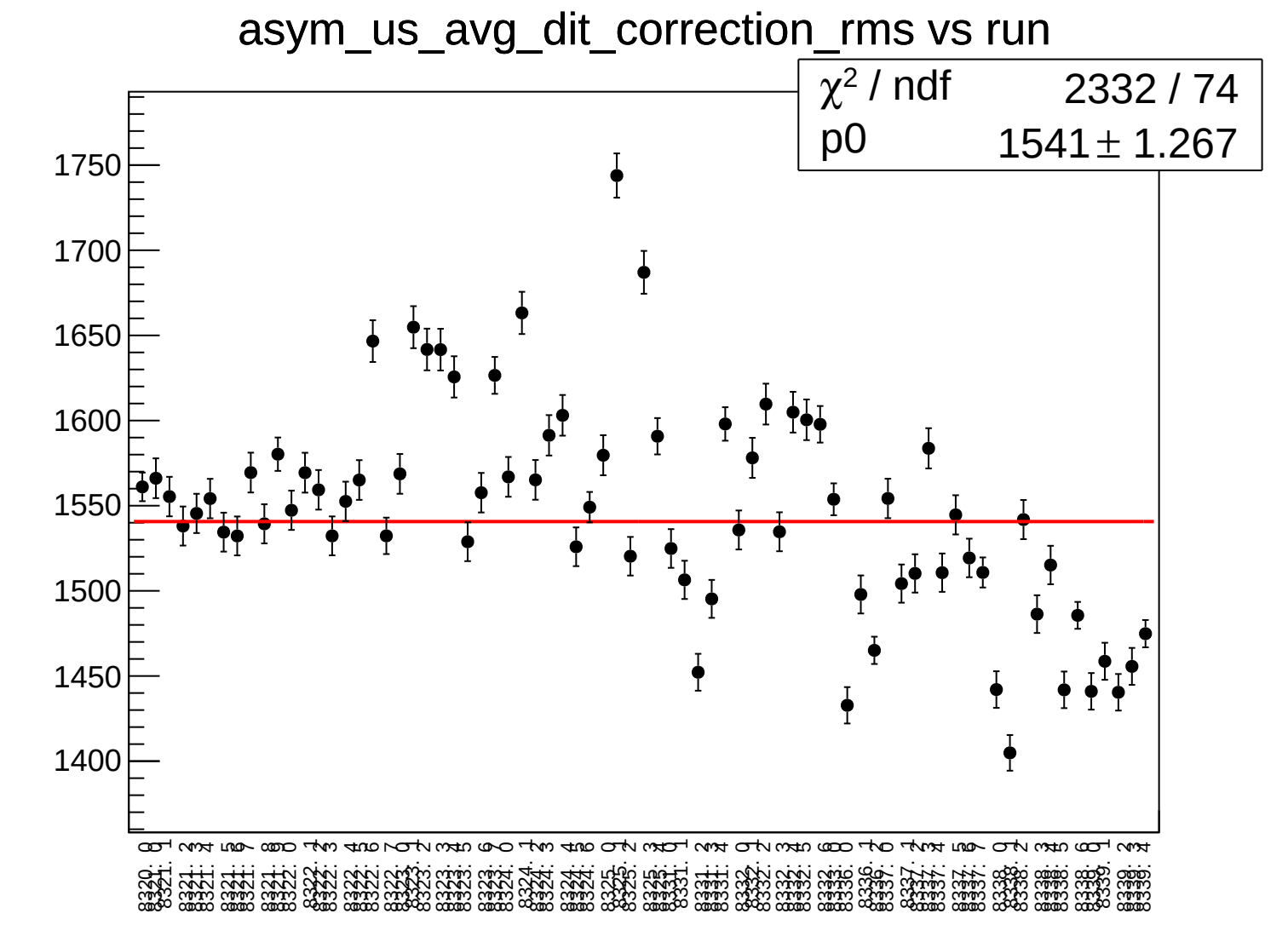

dit_asym_us_avg_mean vs run
χ² / ndf 78.65 / 74
p0 −3007 ± 882.1
pull
Entries 75
Mean 6.307
Std Dev 0

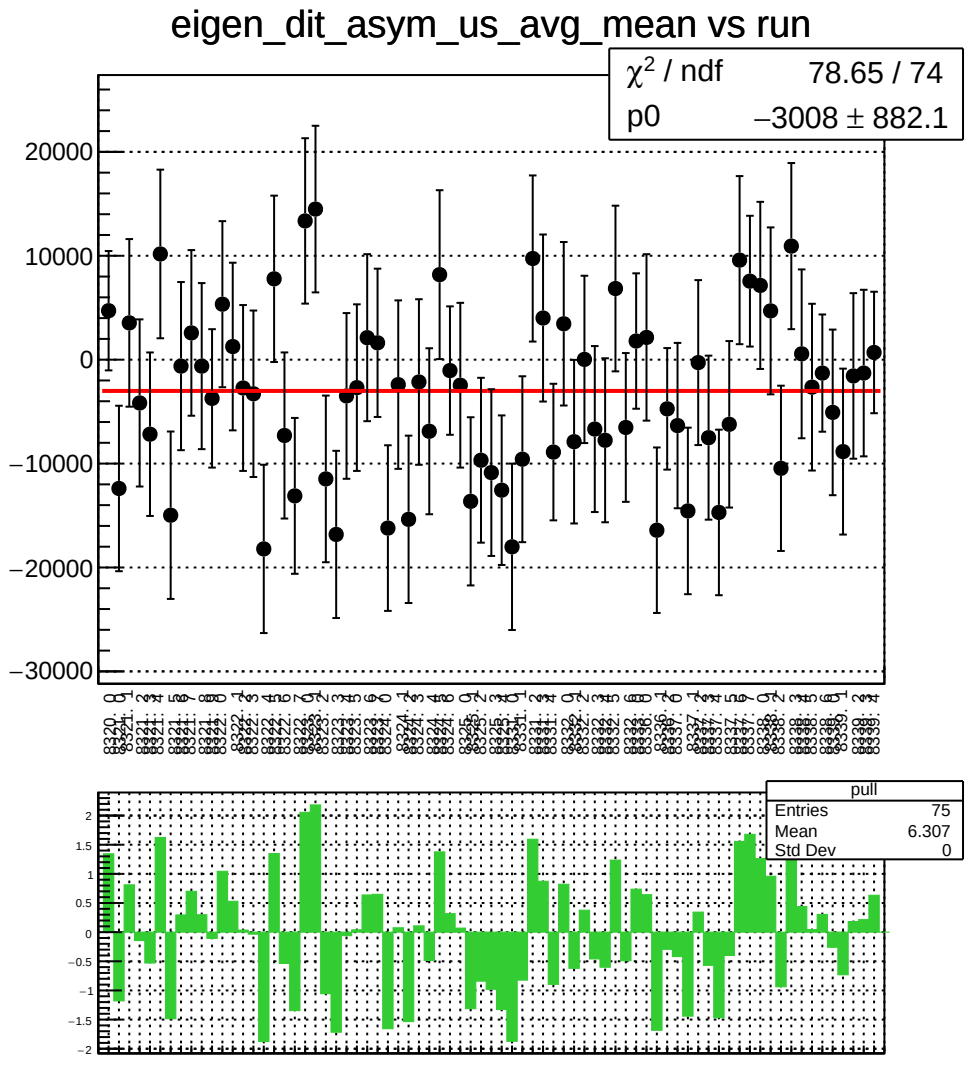

pull1D
Entries 75
Mean −0.01321
Std Dev 1.024

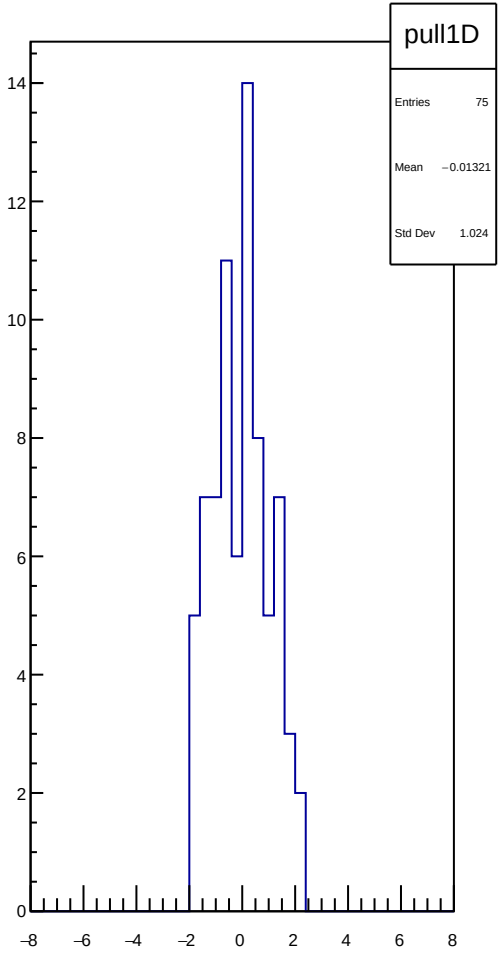

dit_asym_us_avg_rms vs run
χ² / ndf 73.09 / 74
p0 758.8 ± 0.6237
780
775
770
765
760
755
750
745
740

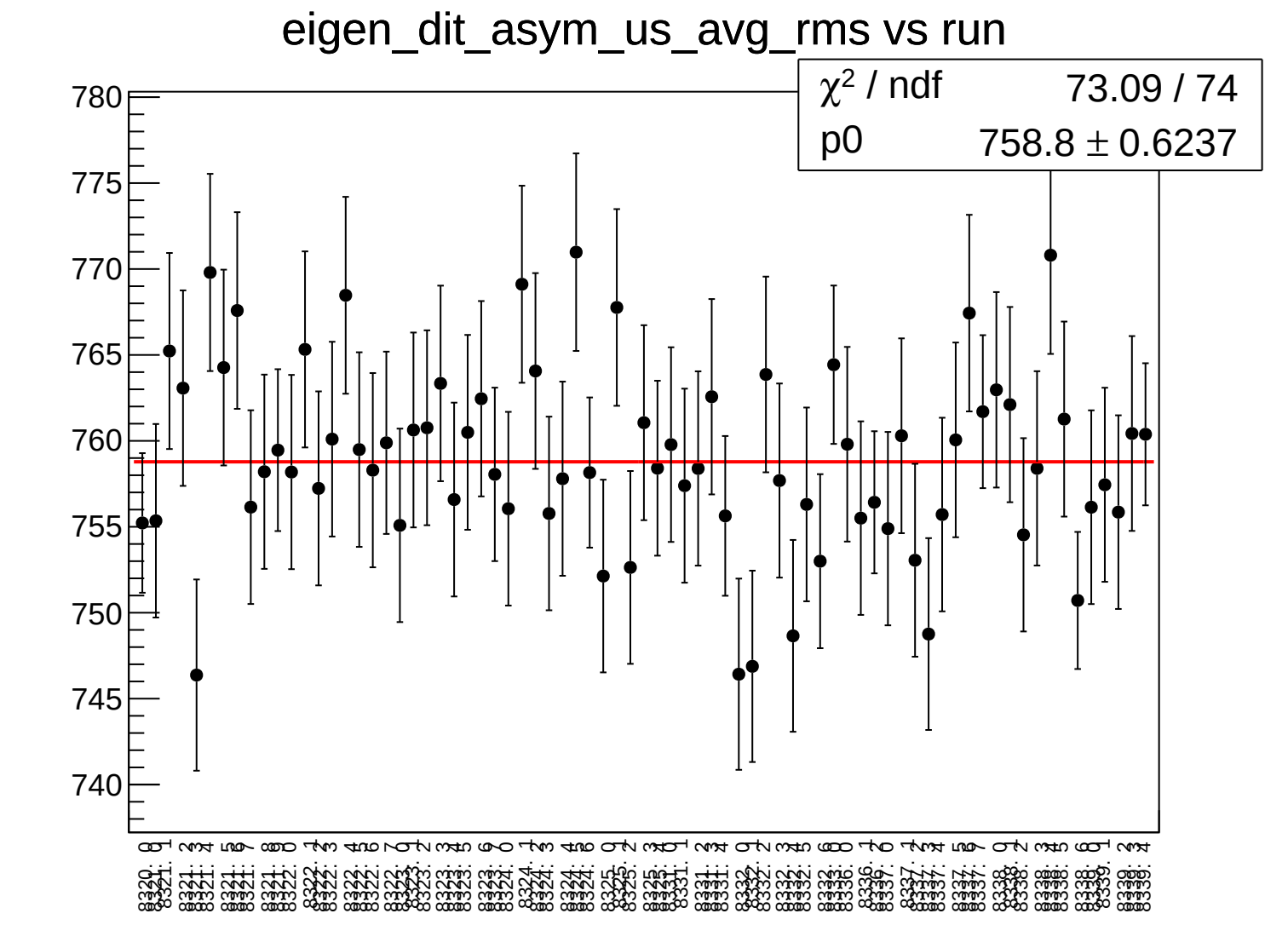

asym_us_avg_dit_correction_mean vs run
χ² / ndf 81.75 / 74
p0 −2435 ± 1792
pull
Entries 75
Mean 975.6
Std Dev 0

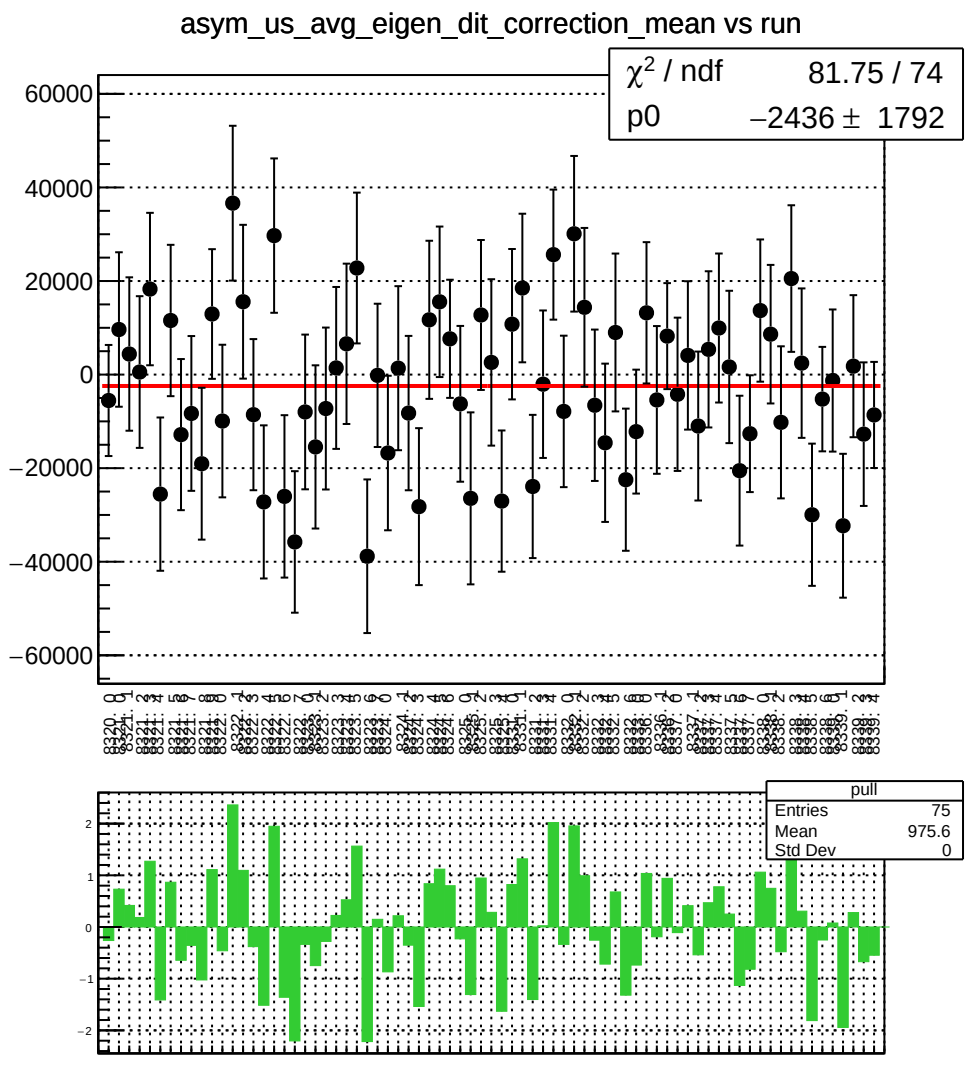

pull1D
Entries 75
Mean −0.001059
Std Dev 1.044

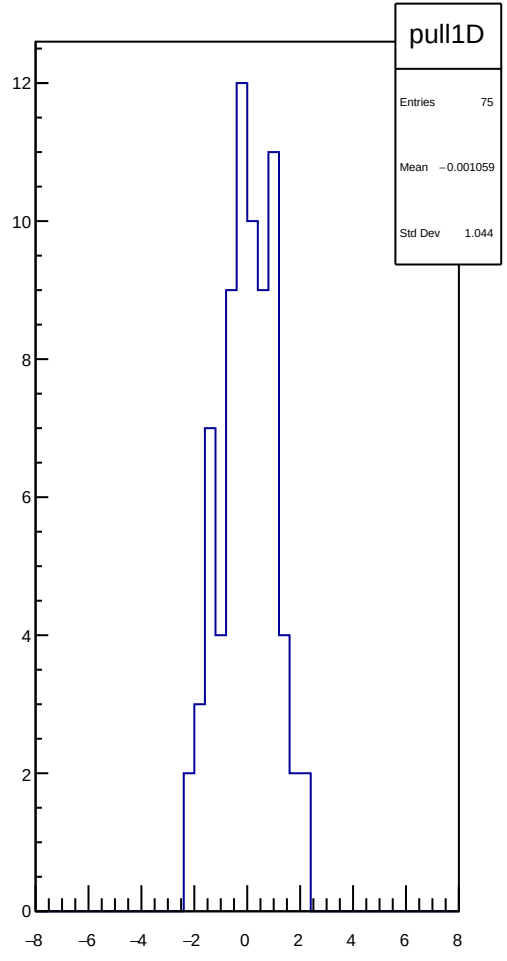

asym_us_avg_dit_correction_rms vs run
χ² / ndf 2332 / 74
p0 1541 ± 1.267
1750
1700
1650
1600
1550
1500
1450
1400

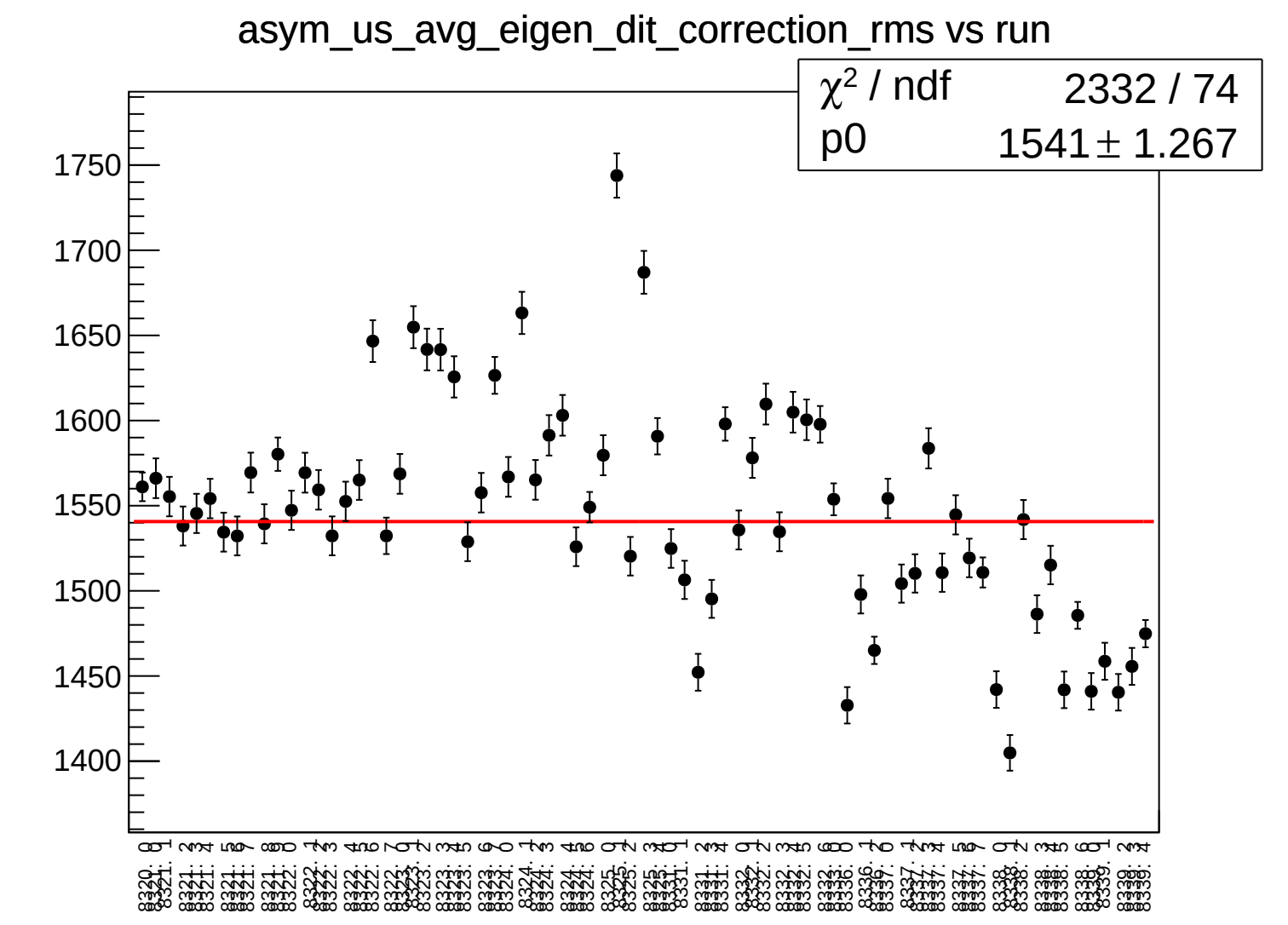

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 78.65 / 74
p0 −3008 ± 882.1
pull
Entries 75
Mean 6.307
Std Dev 0

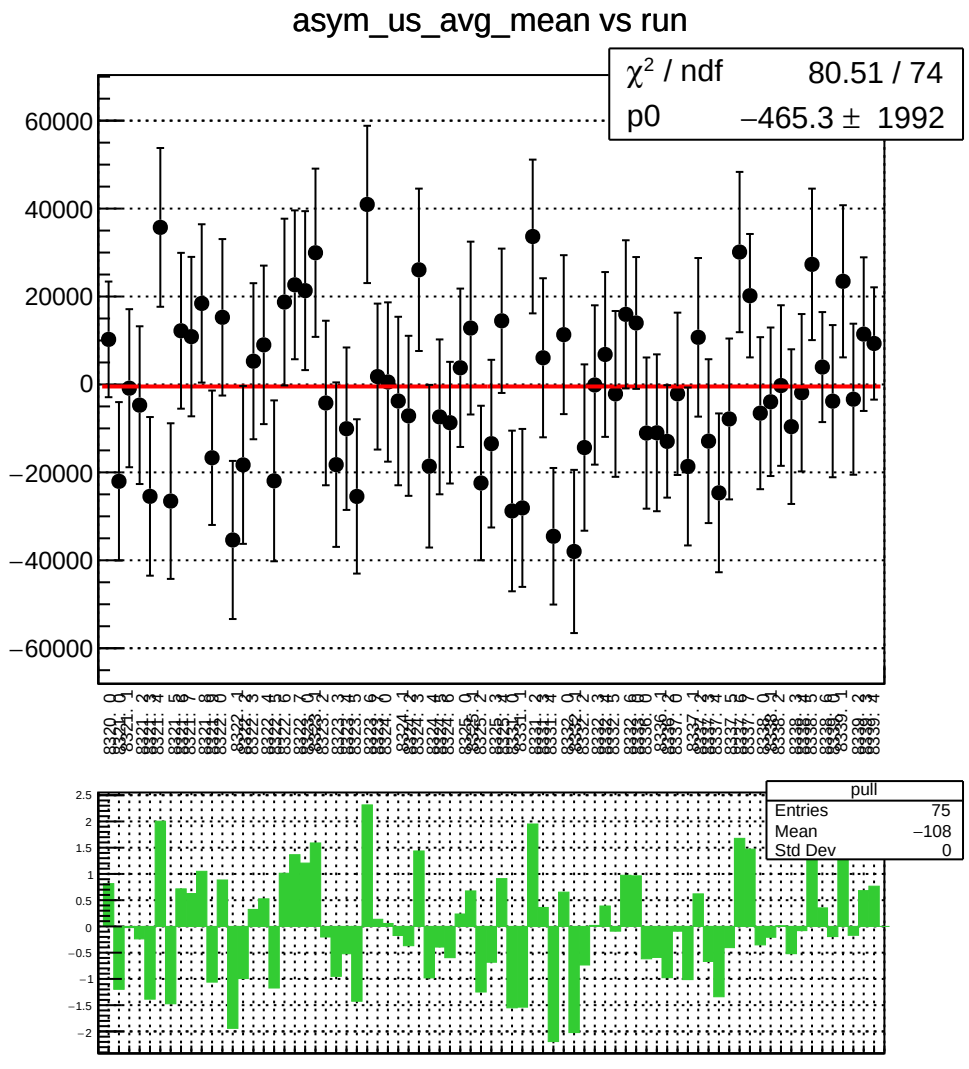

pull1D
Entries 75
Mean −0.01321
Std Dev 1.024

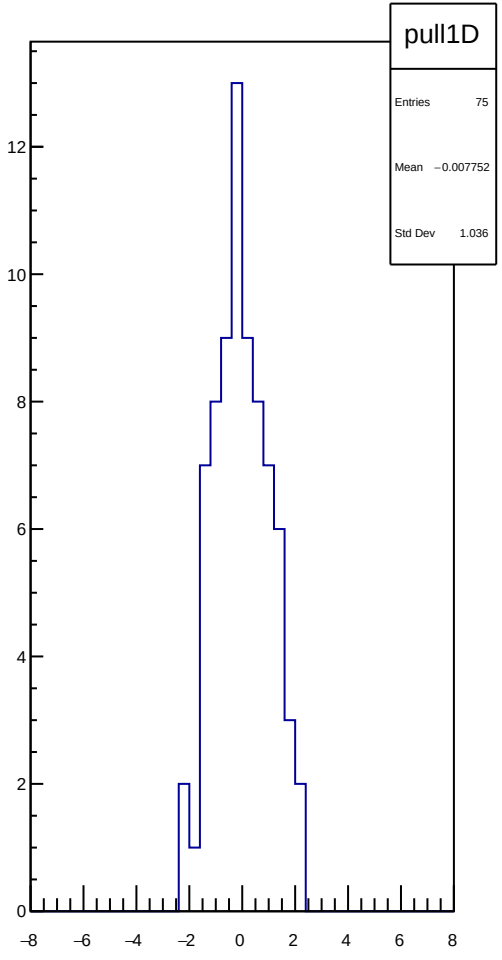

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 73.09 / 74
p0 758.8 ± 0.6237
780
775
770
765
760
755
750
745
740

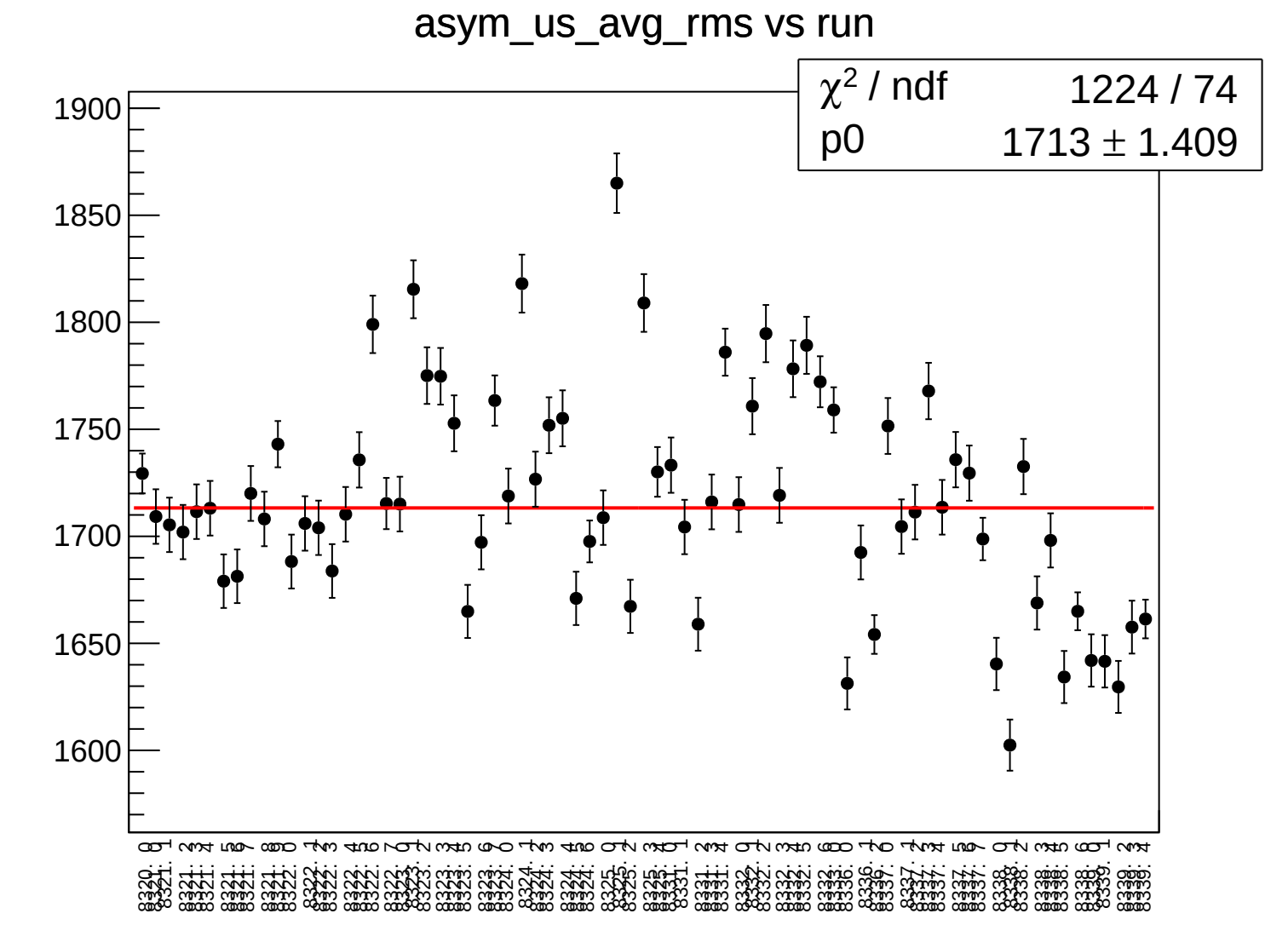

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.75 / 74
p0 −2436 ± 1792
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 975.6
Std Dev 0
2
1
0
−1
−2

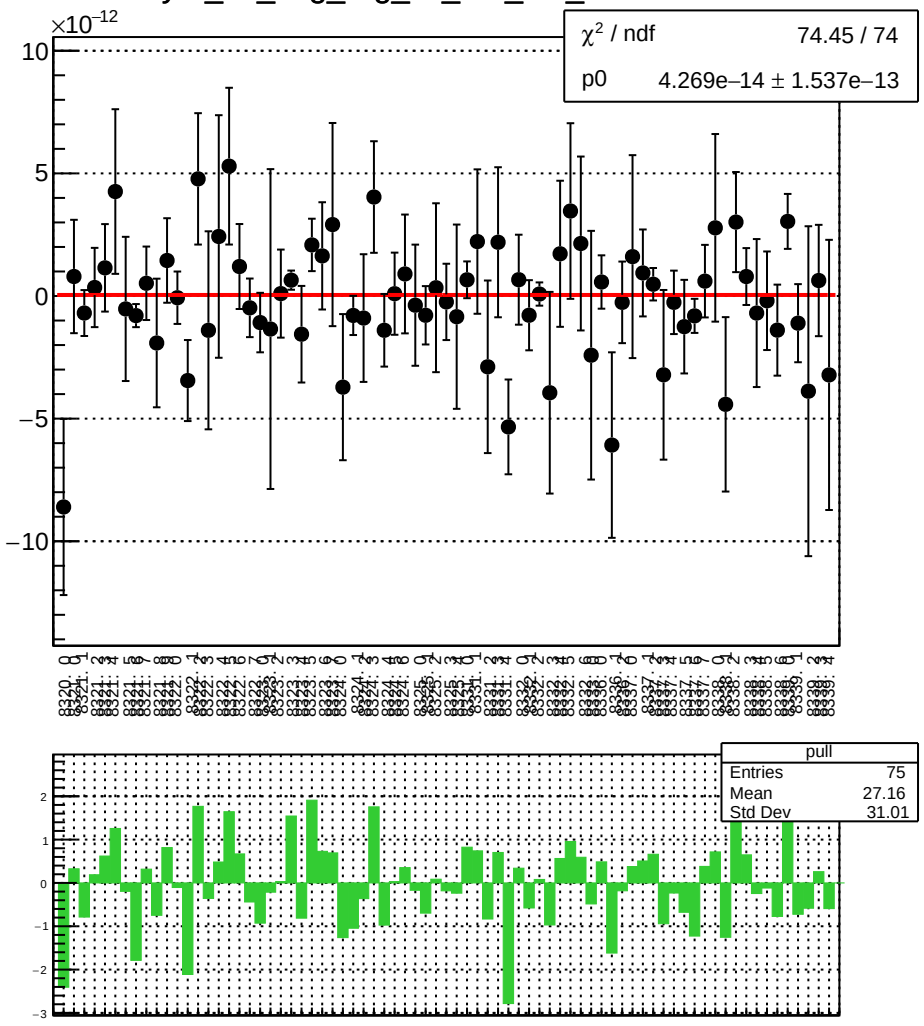

pull1D
Entries 75
Mean −0.001059
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

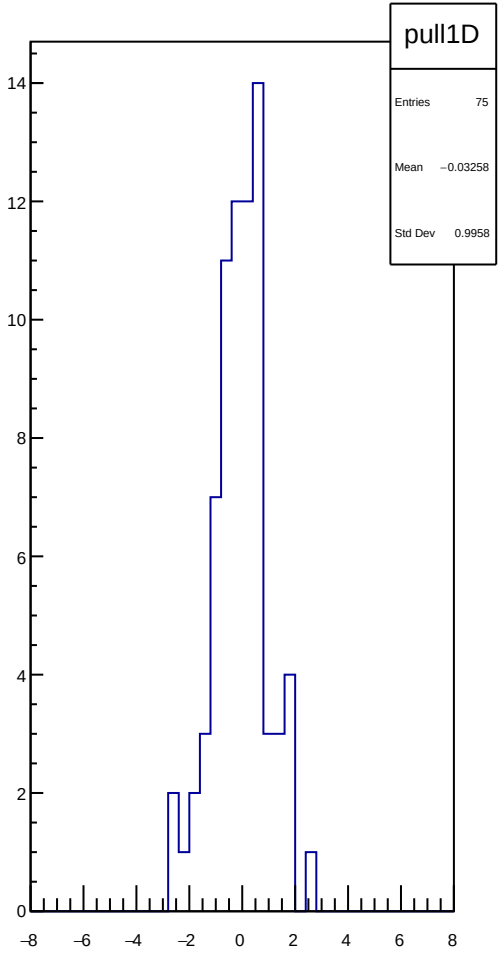

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 2332 / 74
p0 1541 ± 1.267
1750
1700
1650
1600
1550
1500
1450
1400

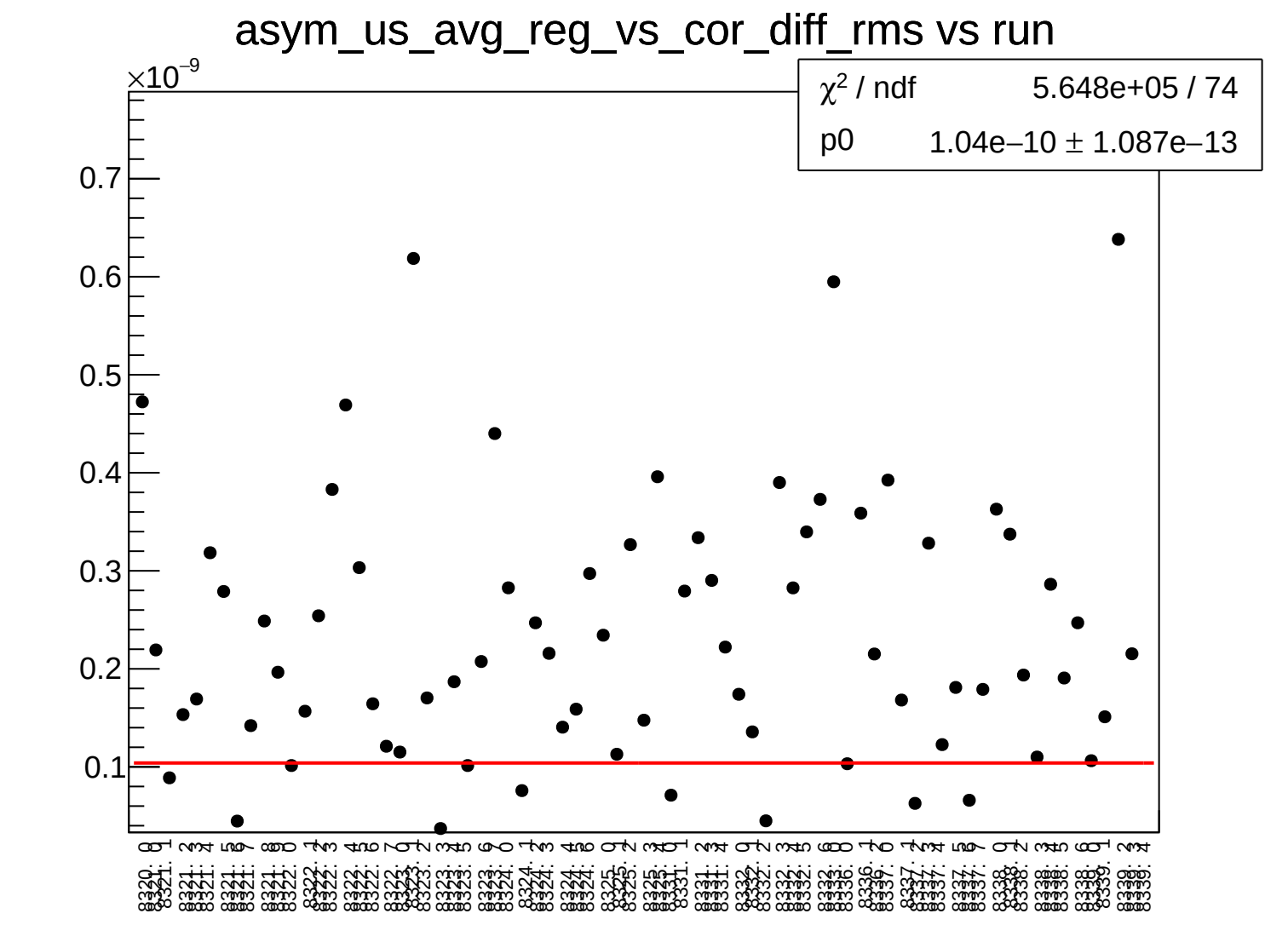

asym_us_avg_mean vs run
χ² / ndf 80.51 / 74
p0 −465.3 ± 1992
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −108
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

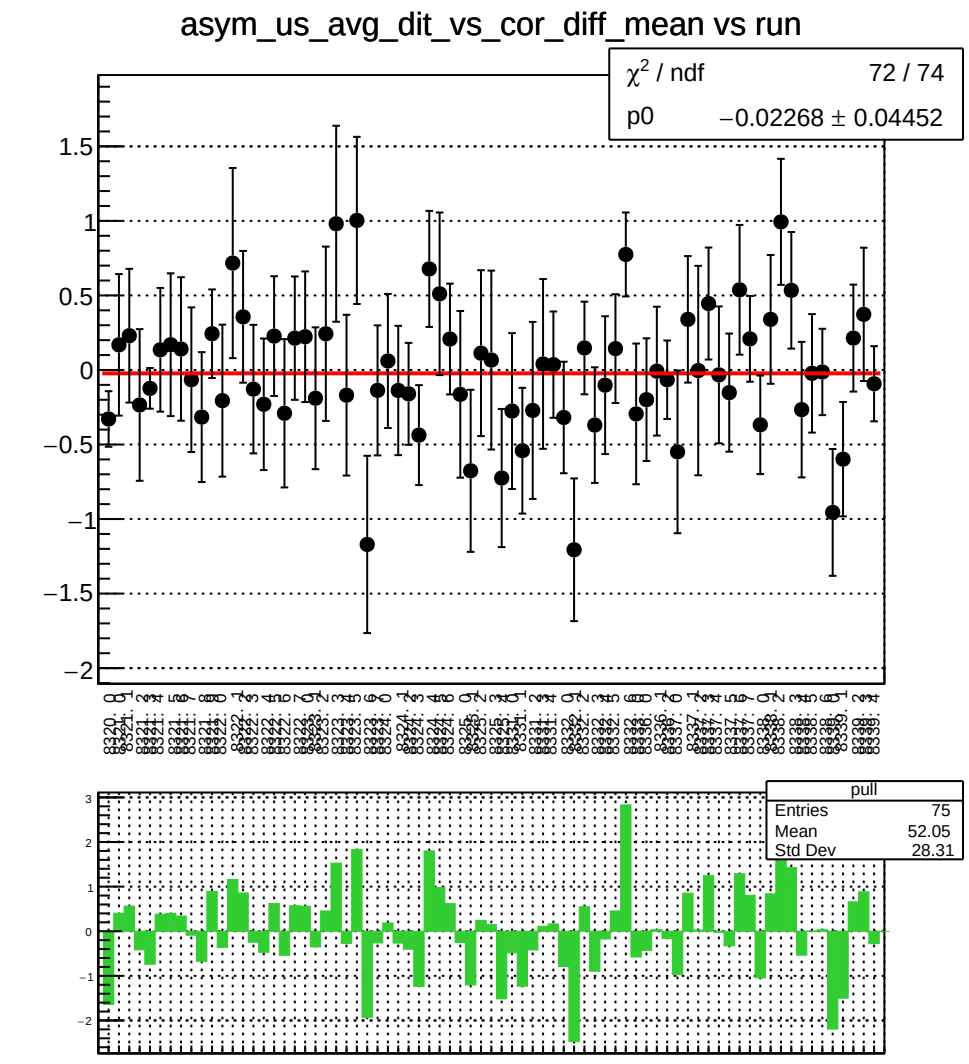

pull1D
Entries 75
Mean −0.007752
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

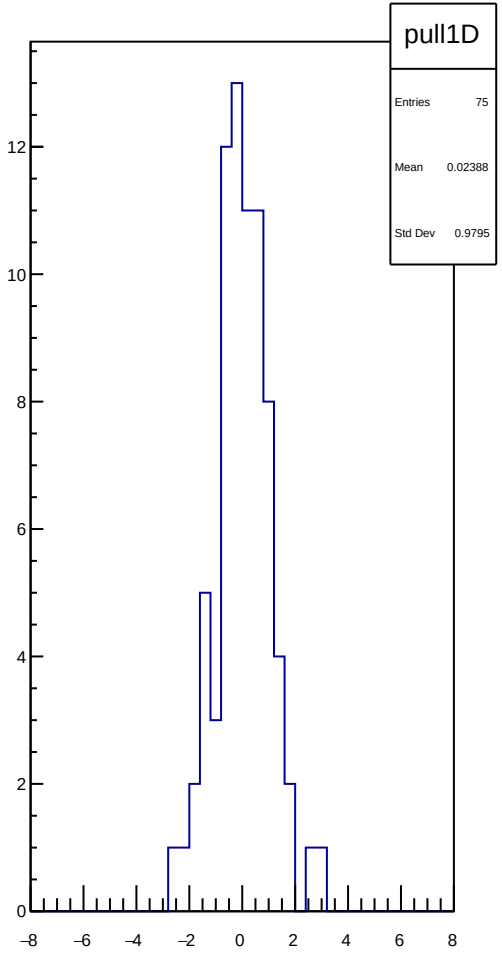

asym_us_avg_rms vs run
χ² / ndf 1224 / 74
p0 1713 ± 1.409
1900
1850
1800
1750
1700
1650
1600

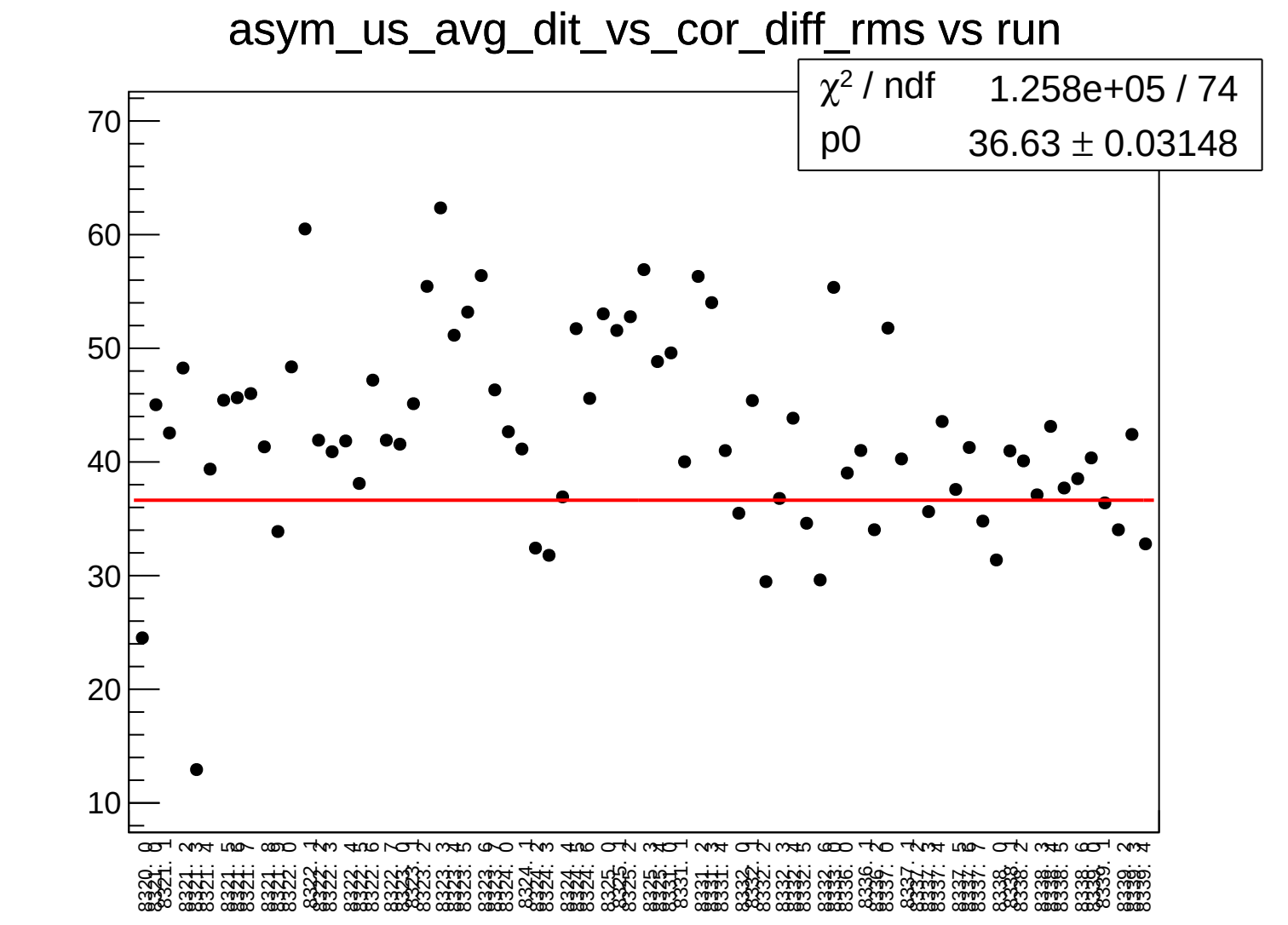

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.45 / 74
p0 4.269e−14 ± 1.537e−13
pull
Entries 75
Mean 27.16
Std Dev 31.01

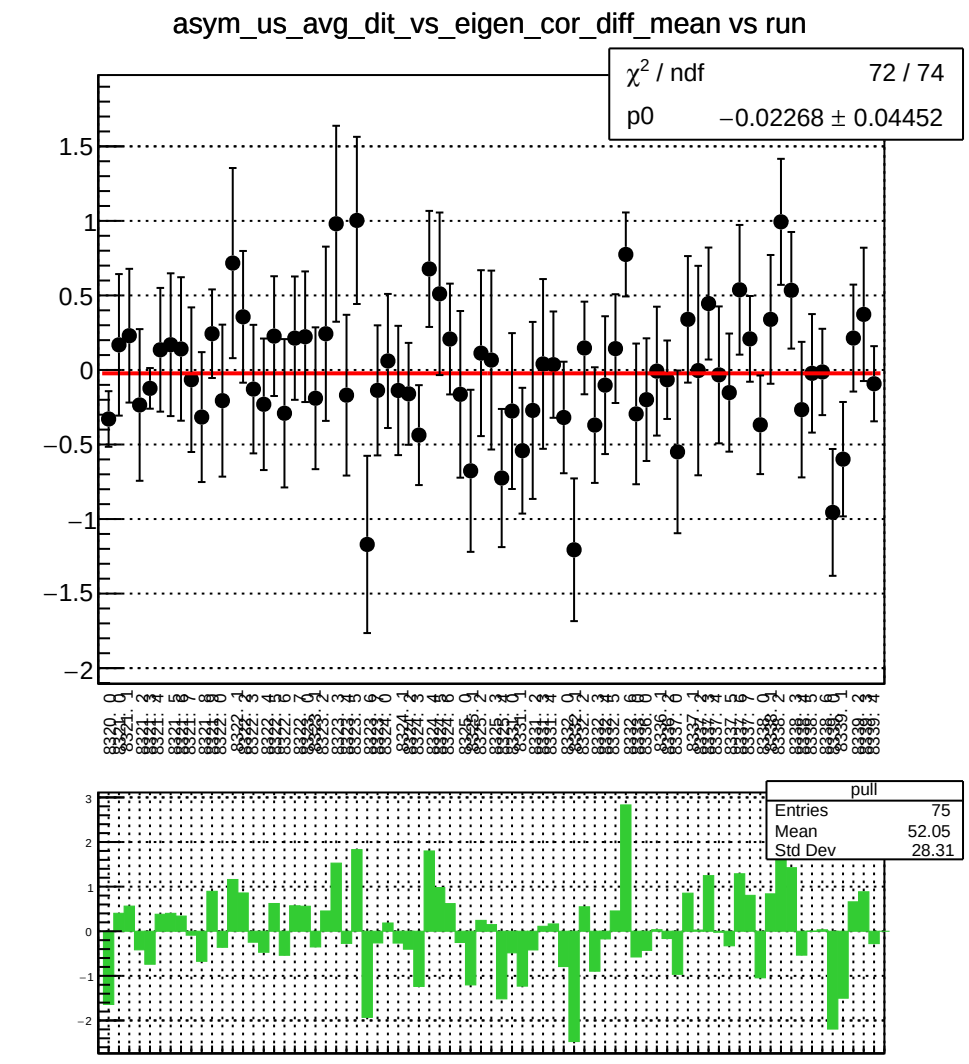

pull1D
Entries 75
Mean −0.03258
Std Dev 0.9958

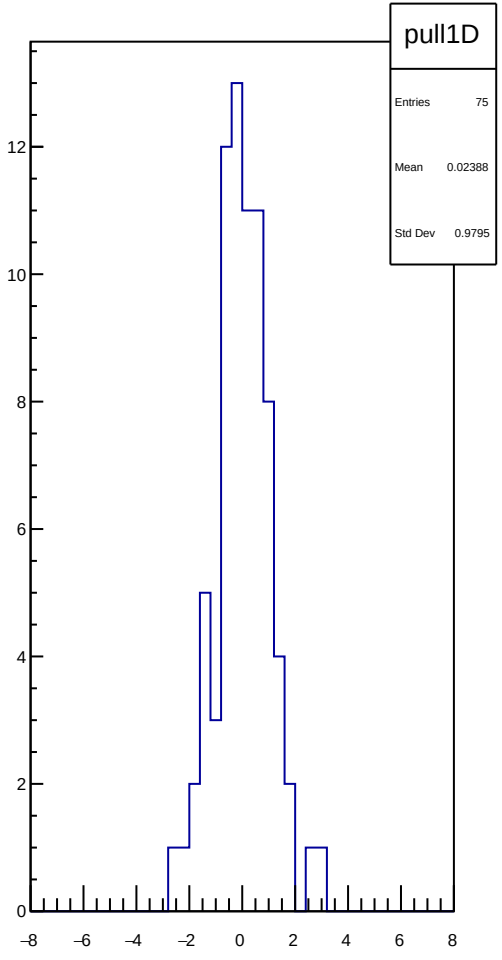

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.648e+05 / 74
p0 1.04e−10 ± 1.087e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1

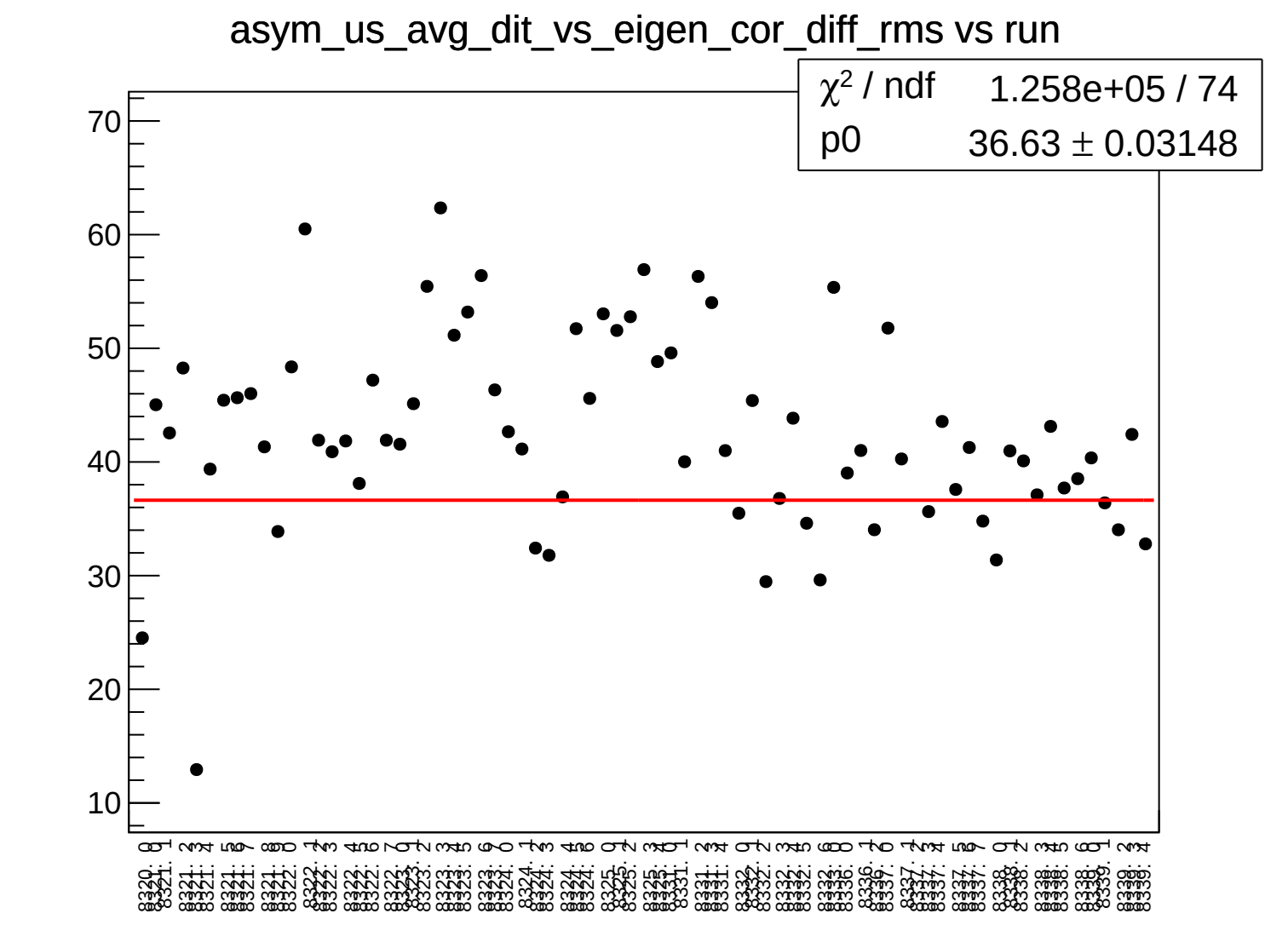

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72 / 74
p0 −0.02268 ± 0.04452
pull
Entries 75
Mean 52.05
Std Dev 28.31

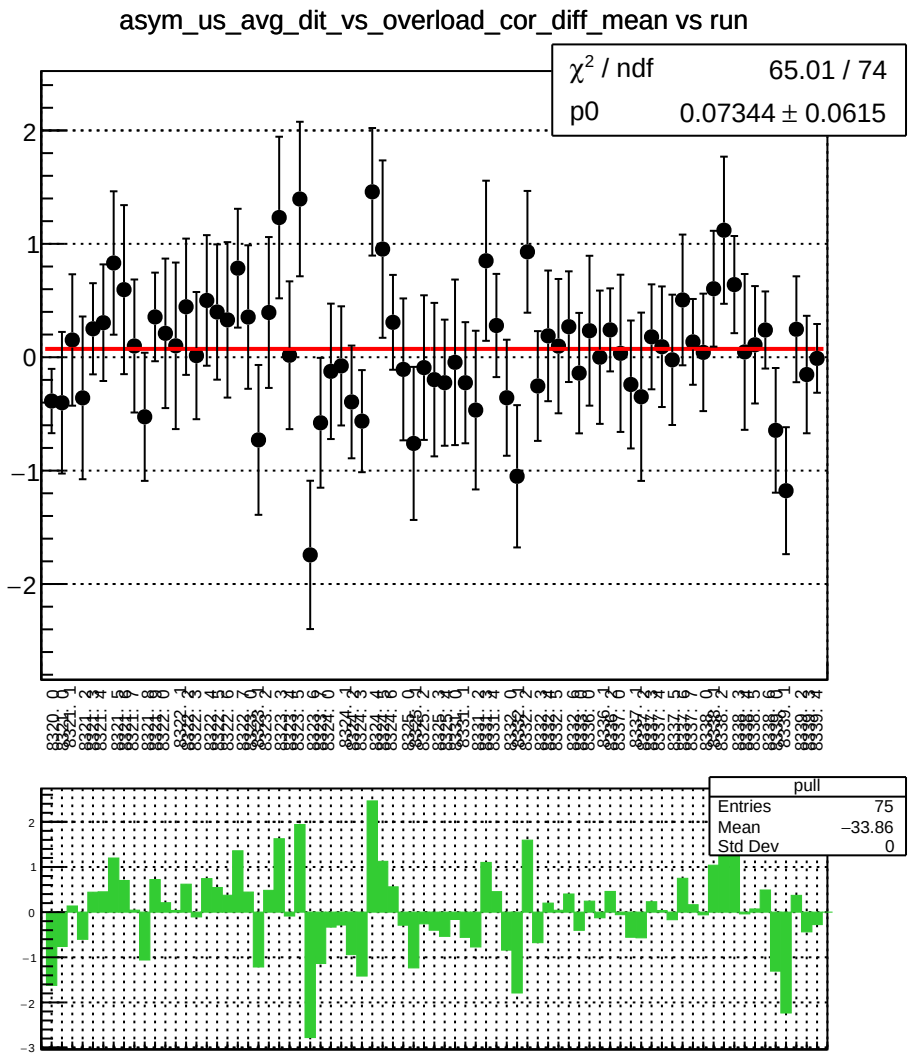

pull1D
Entries 75
Mean 0.02388
Std Dev 0.9795

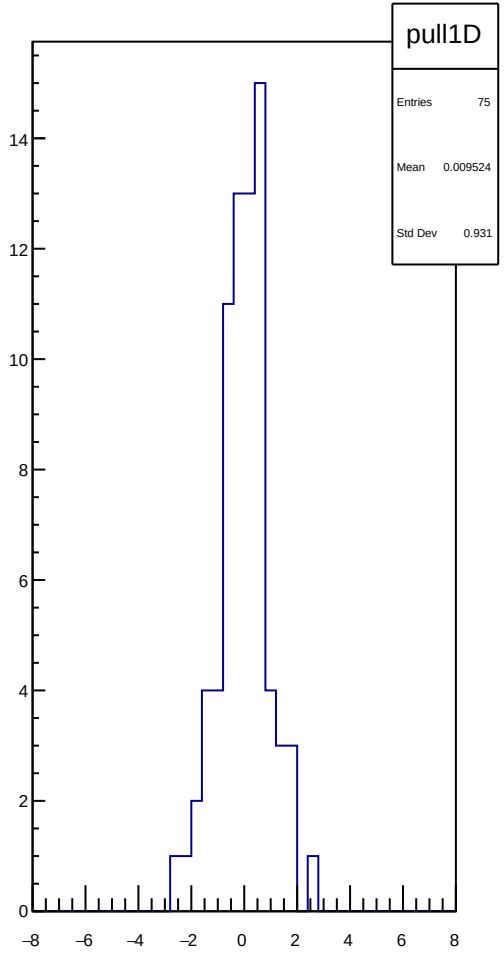

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.258e+05 / 74
p0 36.63 ± 0.03148
70
60
50
40
30
20
10

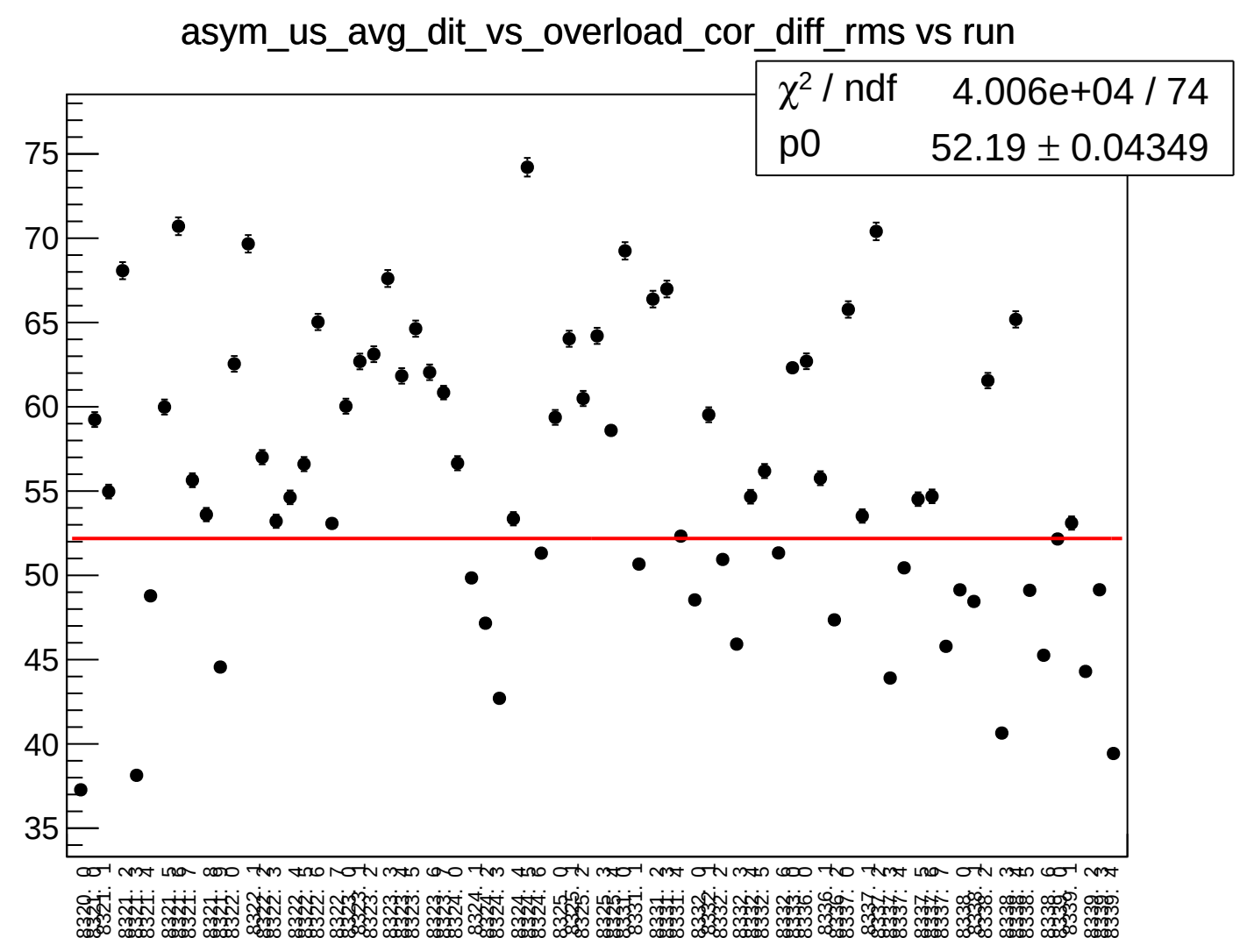

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72 / 74
p0 −0.02268 ± 0.04452
pull
Entries 75
Mean 52.05
Std Dev 28.31

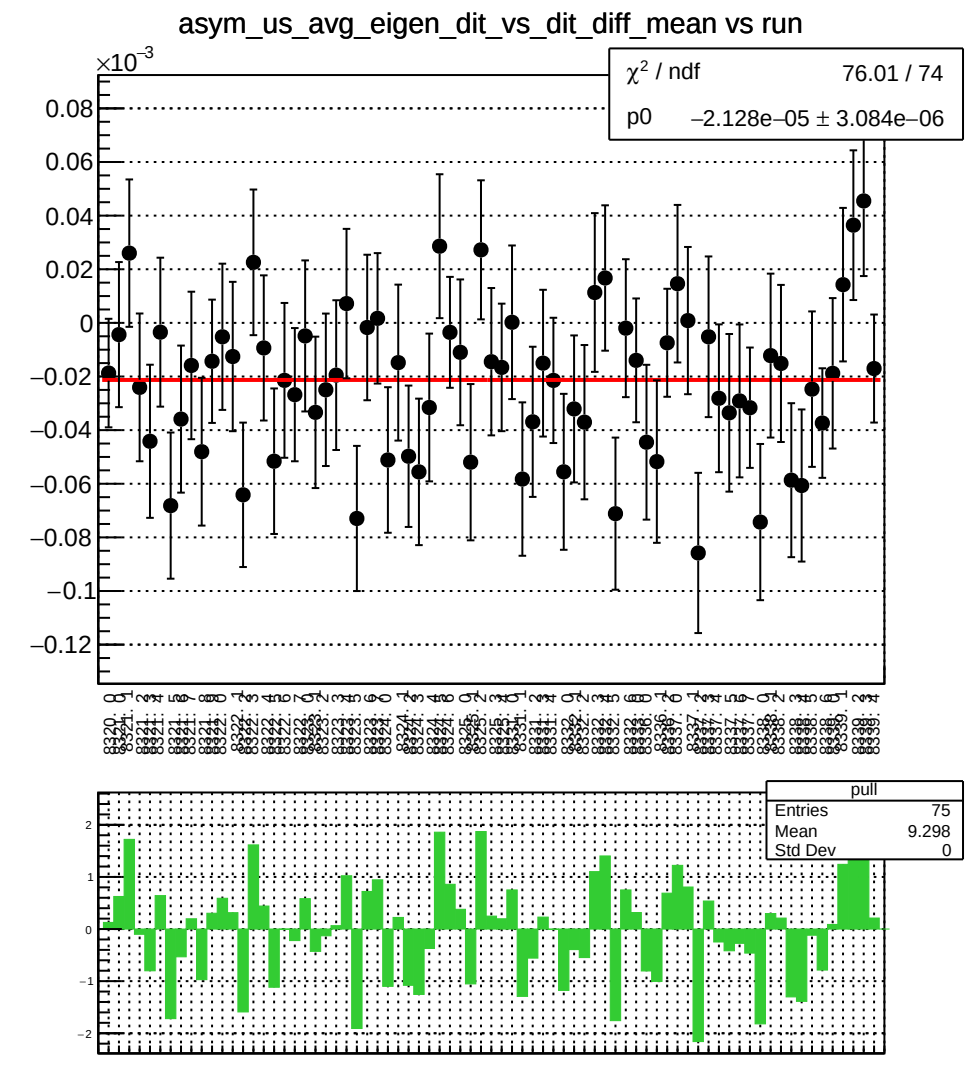

pull1D
Entries 75
Mean 0.02388
Std Dev 0.9795

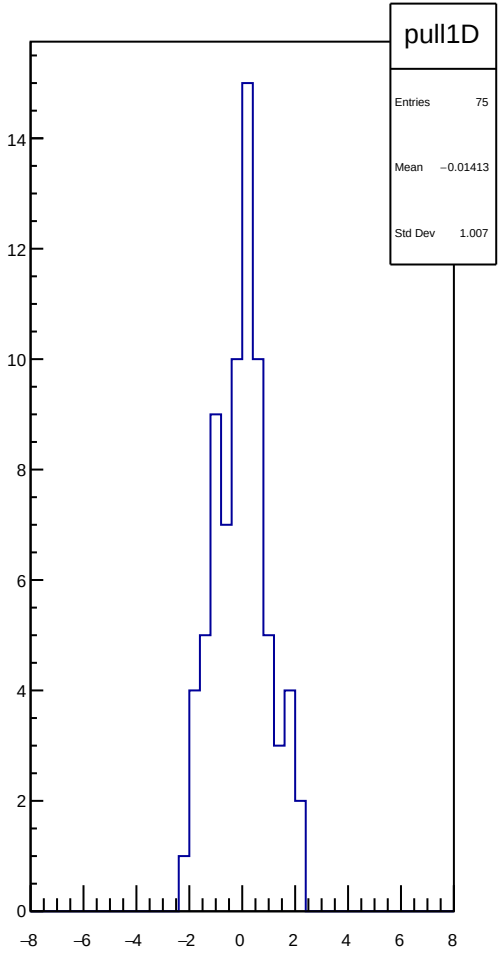

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.258e+05 / 74
p0 36.63 ± 0.03148
70
60
50
40
30
20
10

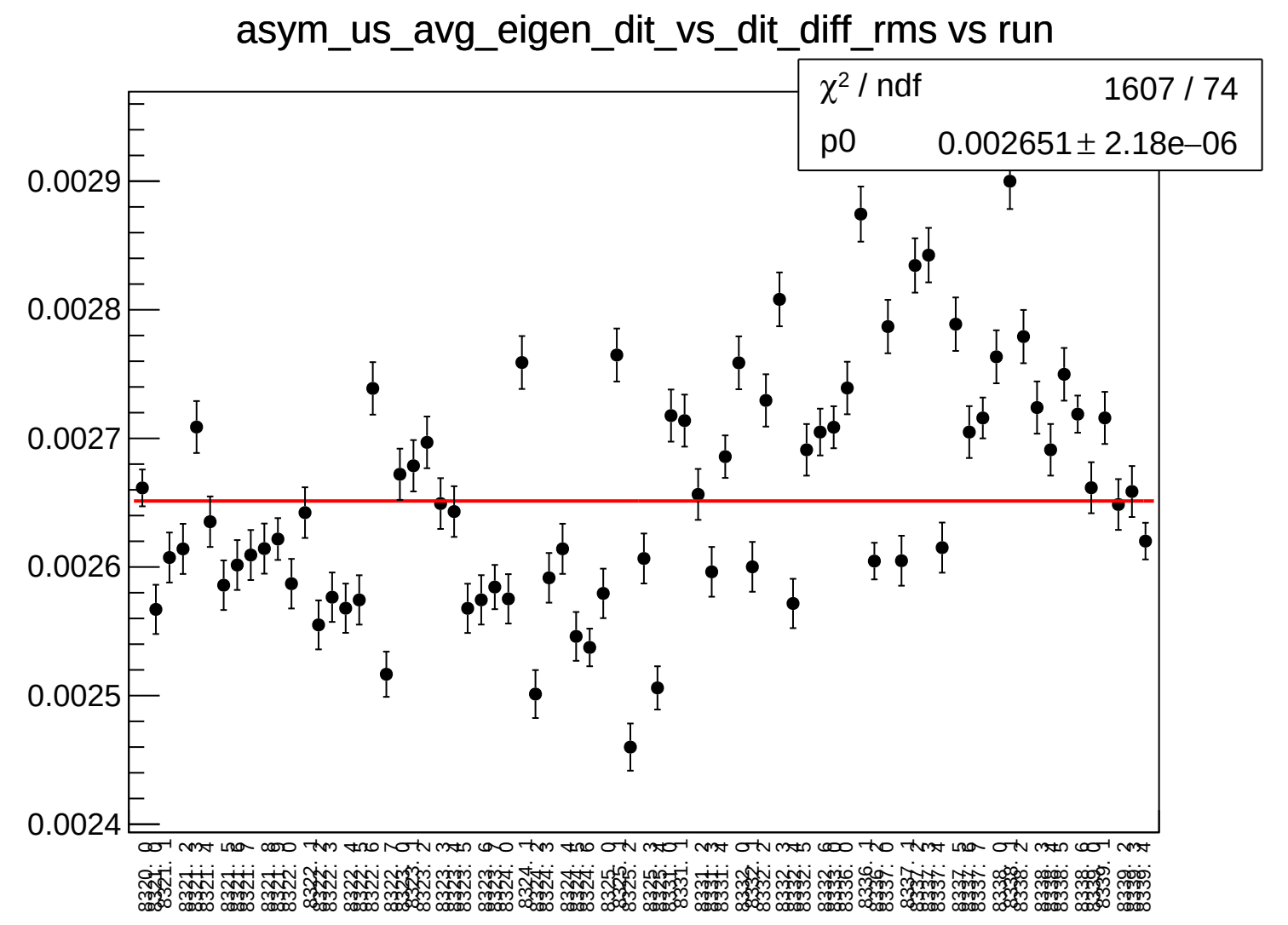

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 65.01 / 74
p0 0.07344 ± 0.0615
pull
Entries 75
Mean −33.86
Std Dev 0

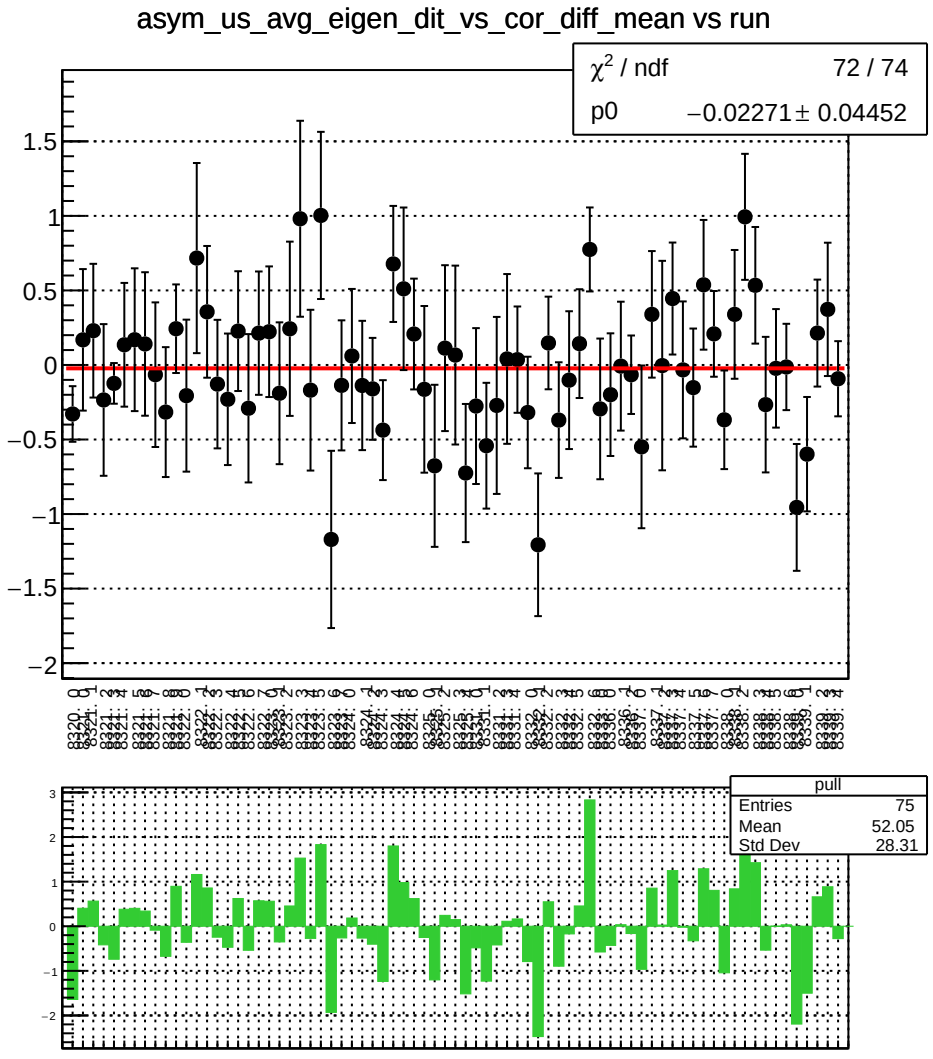

pull1D
Entries 75
Mean 0.009524
Std Dev 0.931

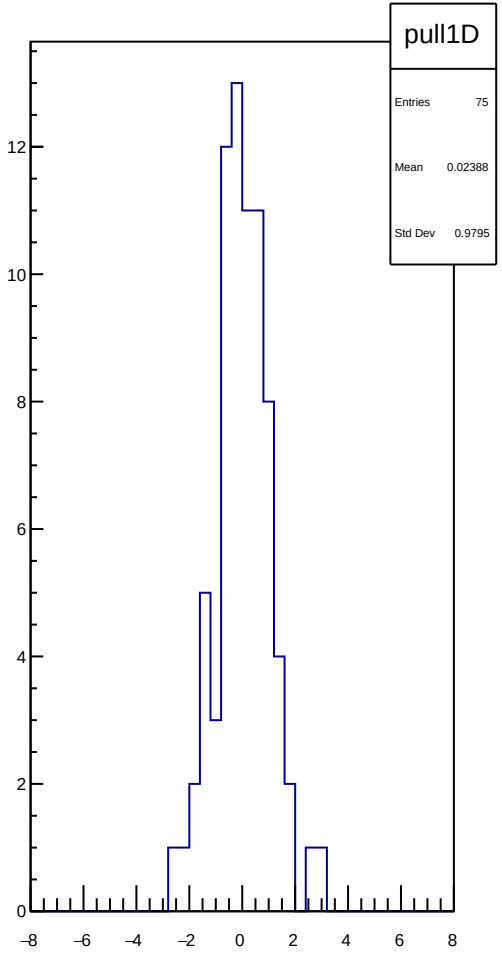

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.006e+04 / 74
p0 52.19 ± 0.04349
75
70
65
60
55
50
45
40
35

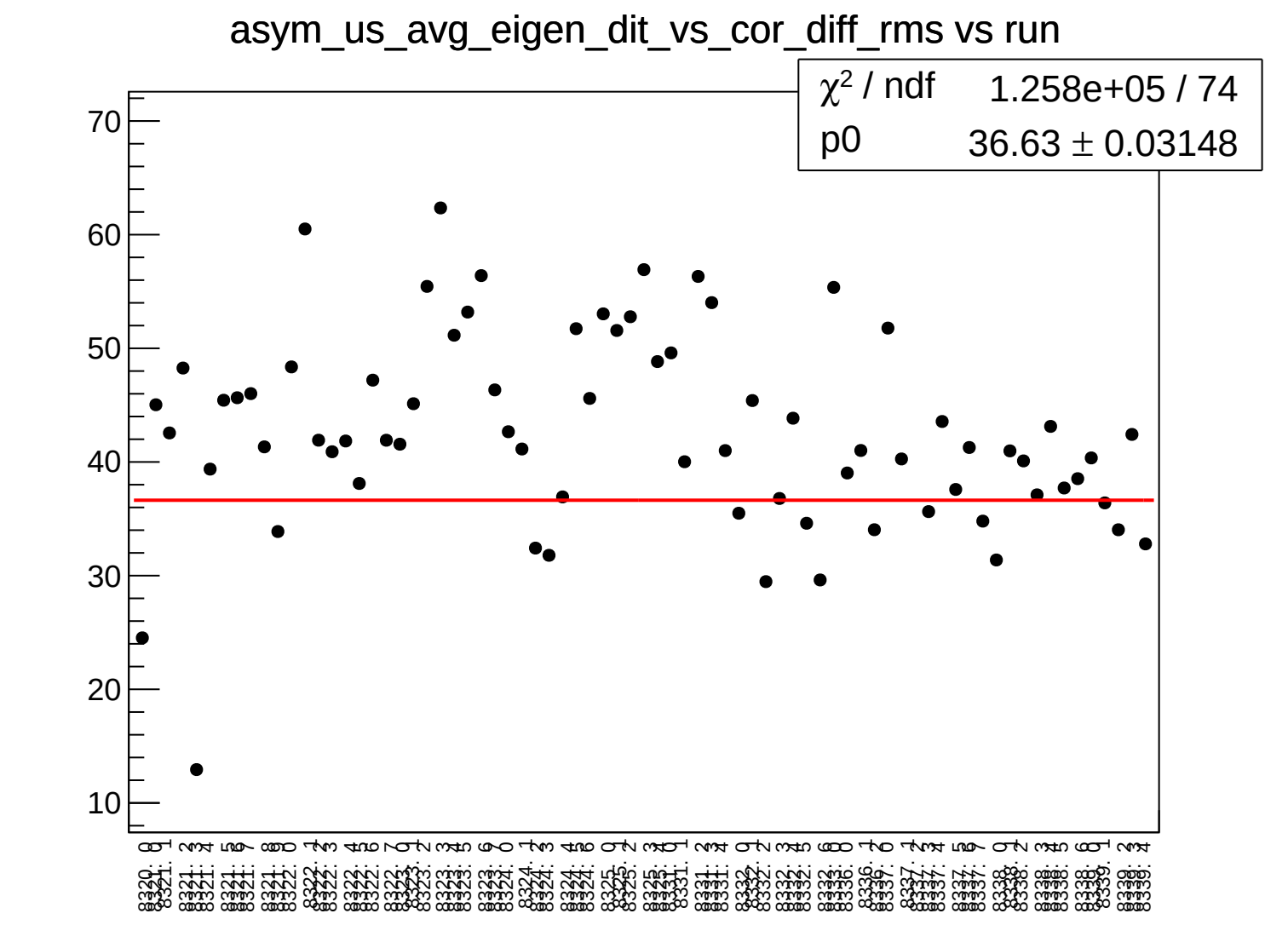

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.01 / 74
p0 −2.128e−05 ± 3.084e−06
pull
Entries 75
Mean 9.298
Std Dev 0

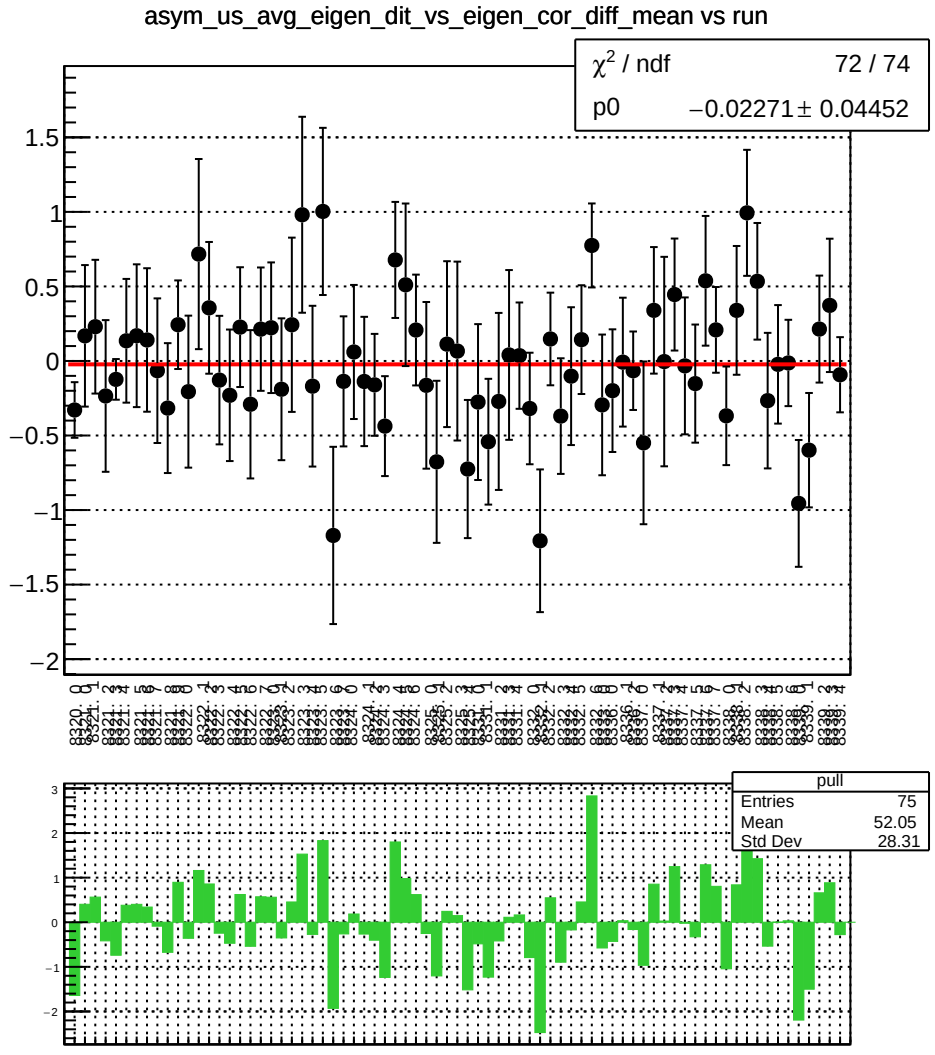

pull1D
Entries 75
Mean −0.01413
Std Dev 1.007

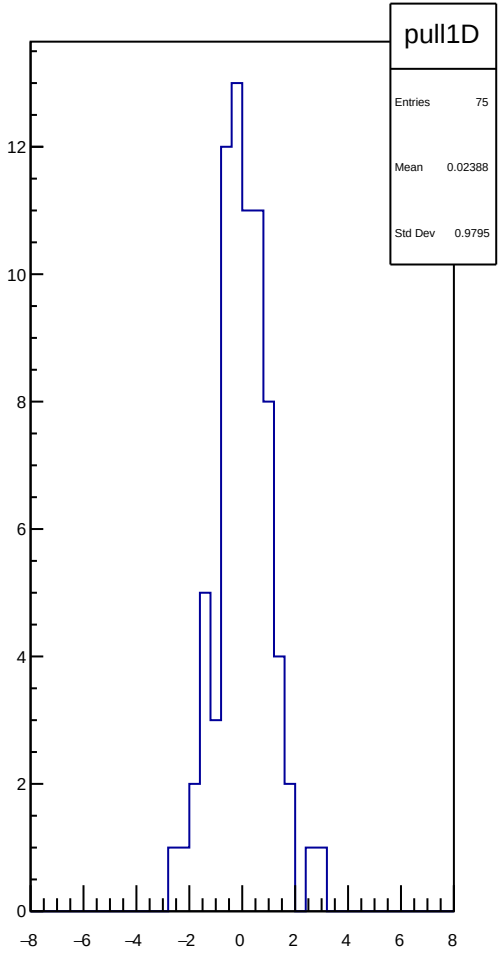

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1607 / 74
p0 0.002651 ± 2.18e–06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024

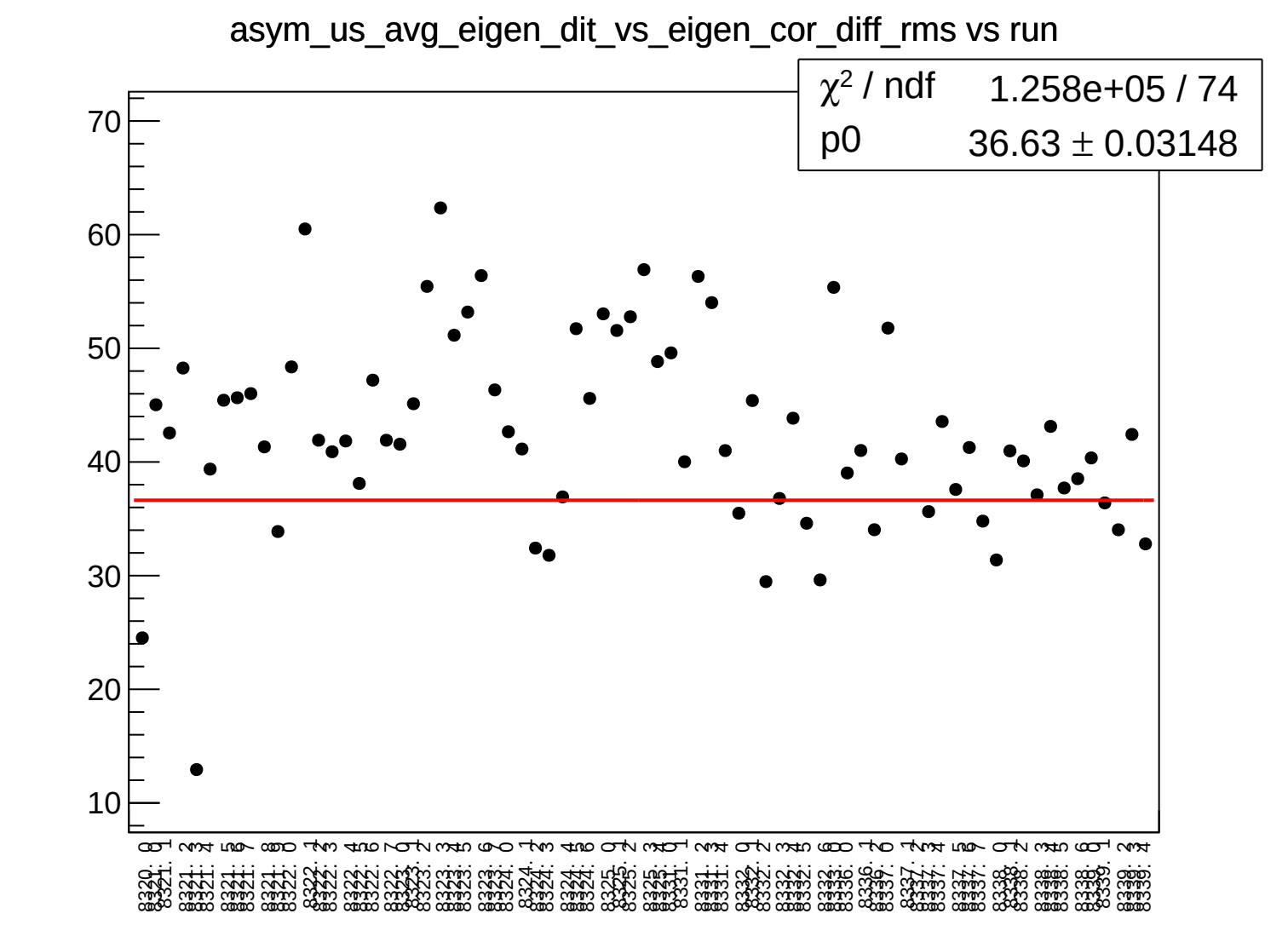

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72 / 74
p0 −0.02271 ± 0.04452
pull
Entries 75
Mean 52.05
Std Dev 28.31

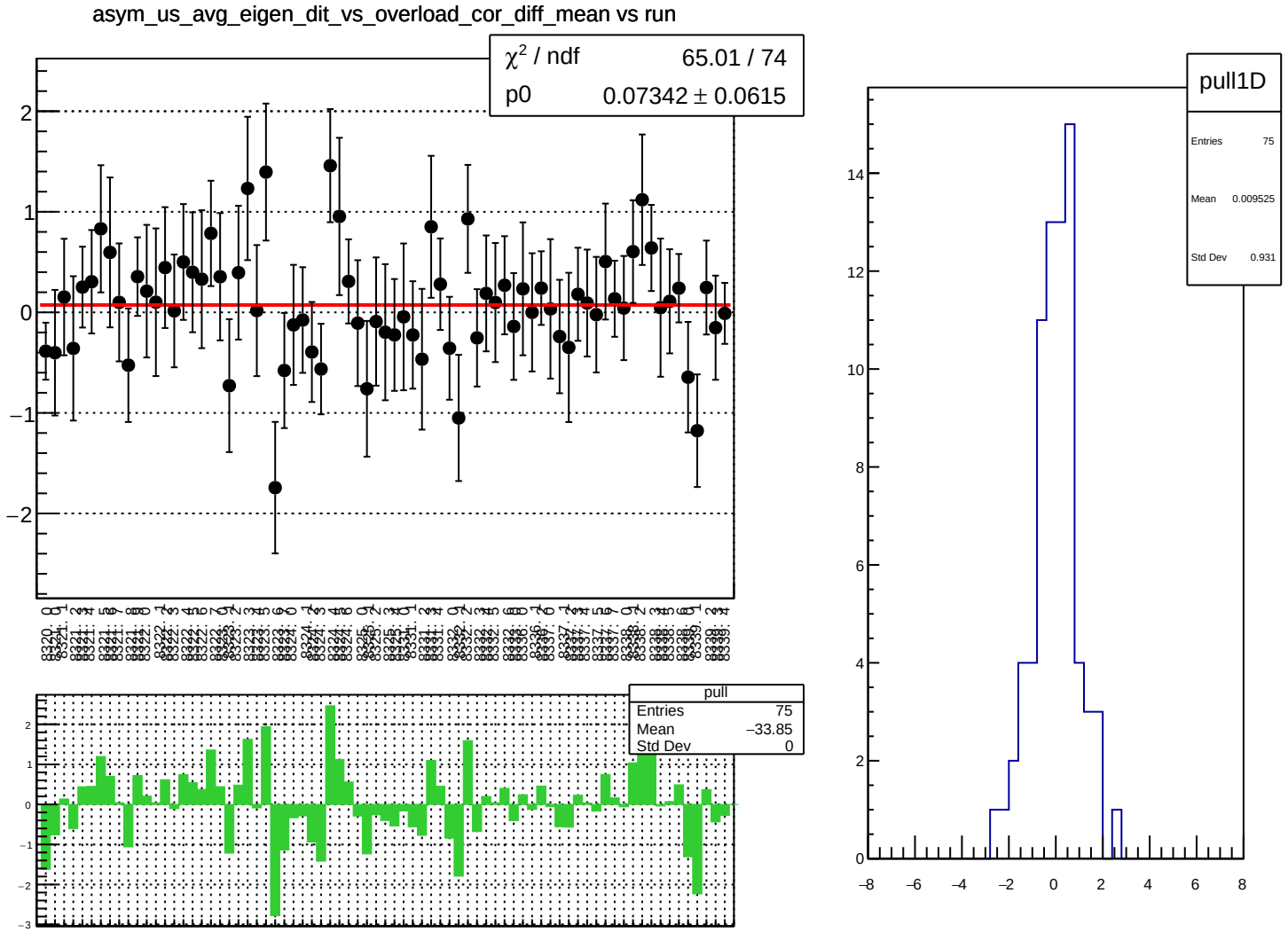

pull1D
Entries 75
Mean 0.02388
Std Dev 0.9795

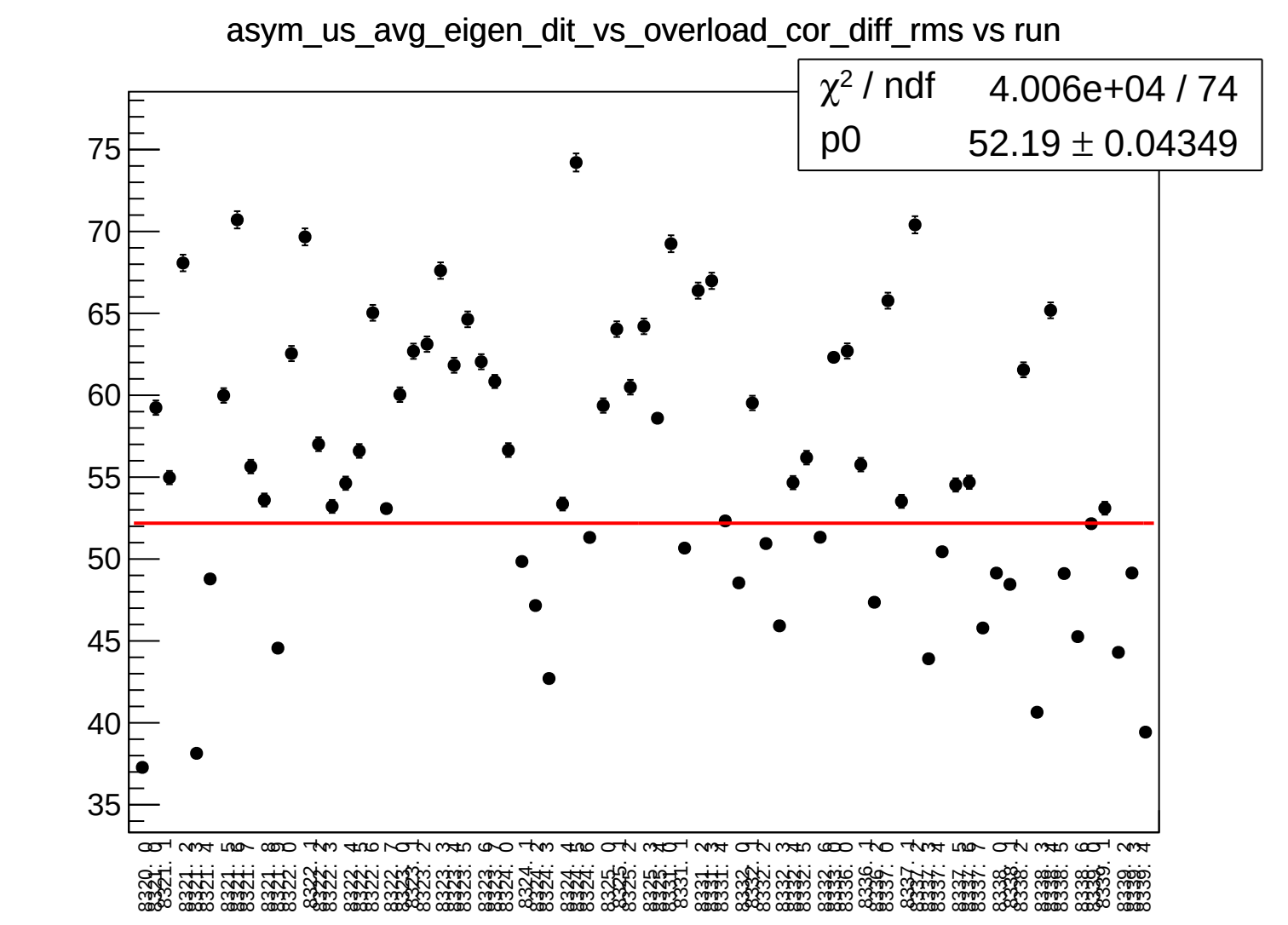

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.258e+05 / 74
p0 36.63 ± 0.03148
70
60
50
40
30
20
10

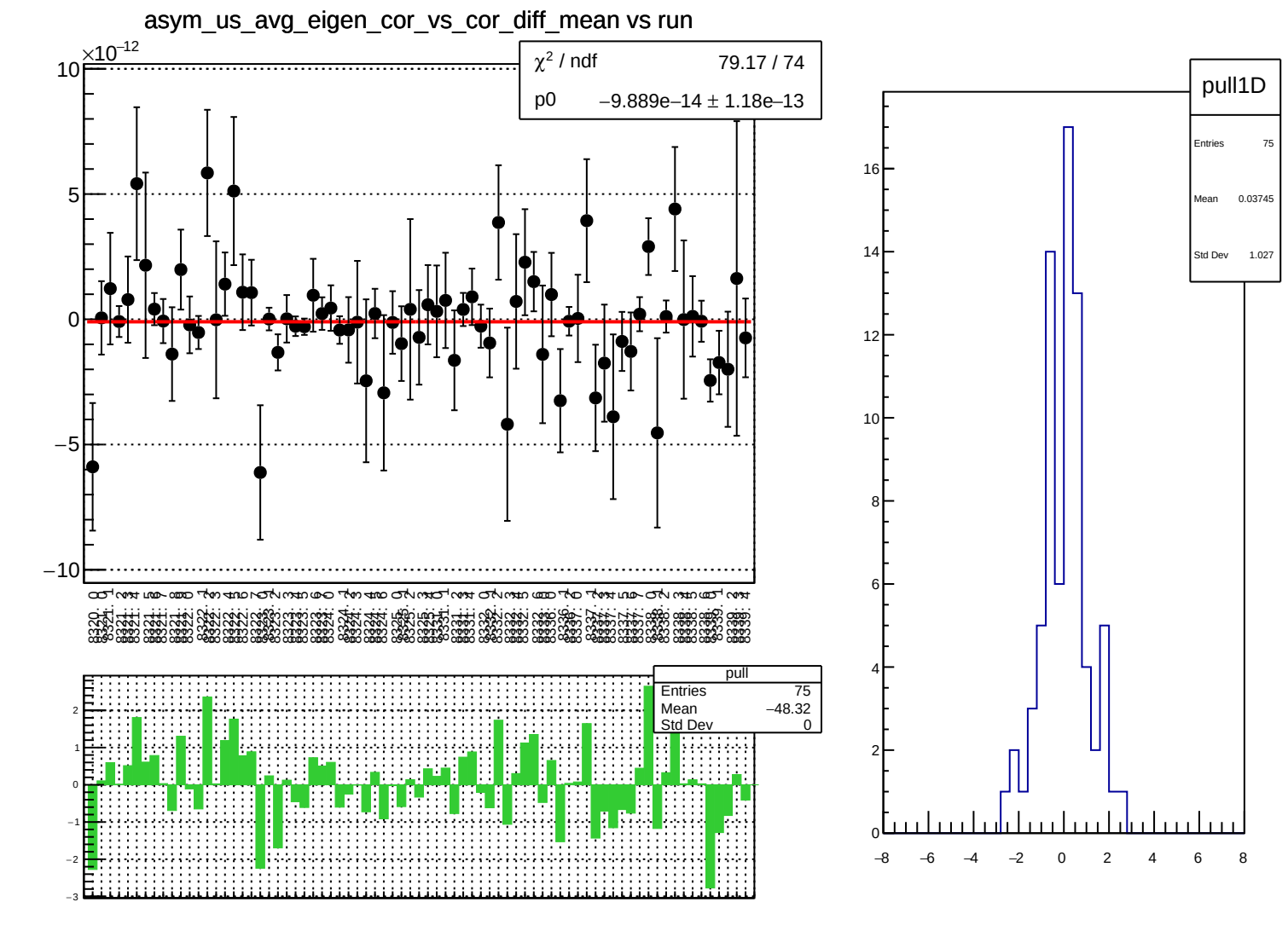

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72 / 74
p0 −0.02271 ± 0.04452
pull
Entries 75
Mean 52.05
Std Dev 28.31

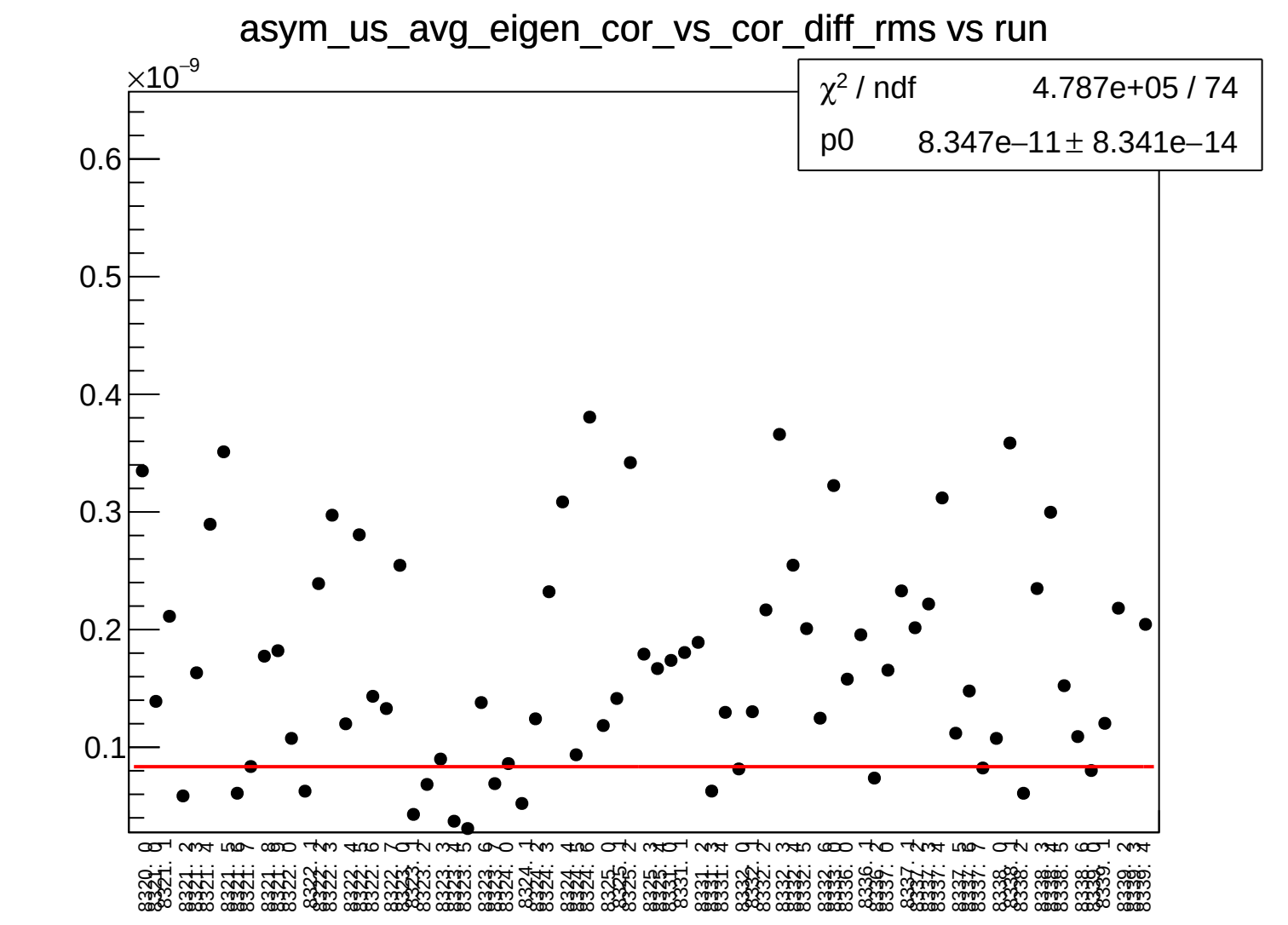

pull1D
Entries 75
Mean 0.02388
Std Dev 0.9795

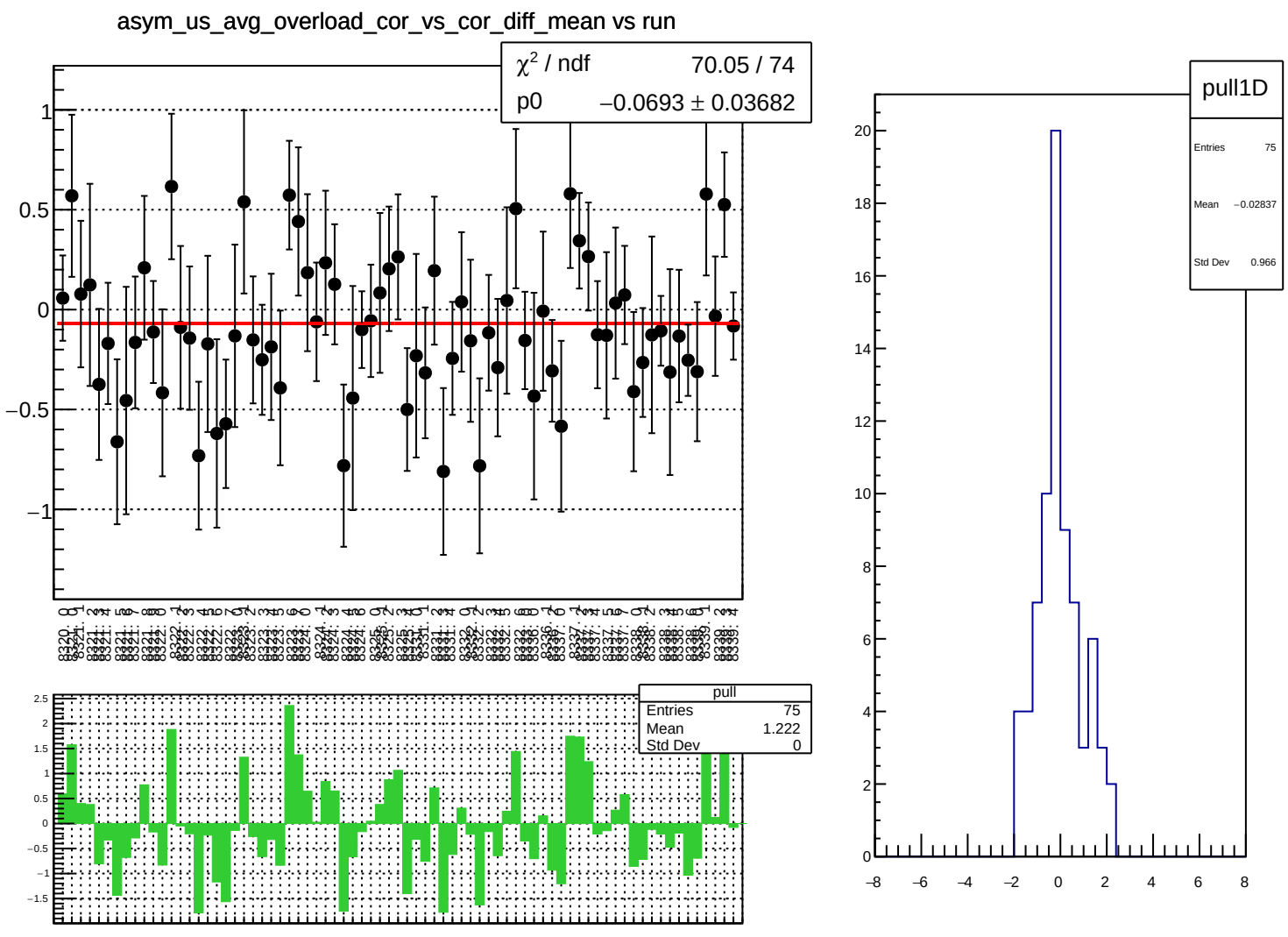

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.258e+05 / 74
p0 36.63 ± 0.03148
70
60
50
40
30
20
10

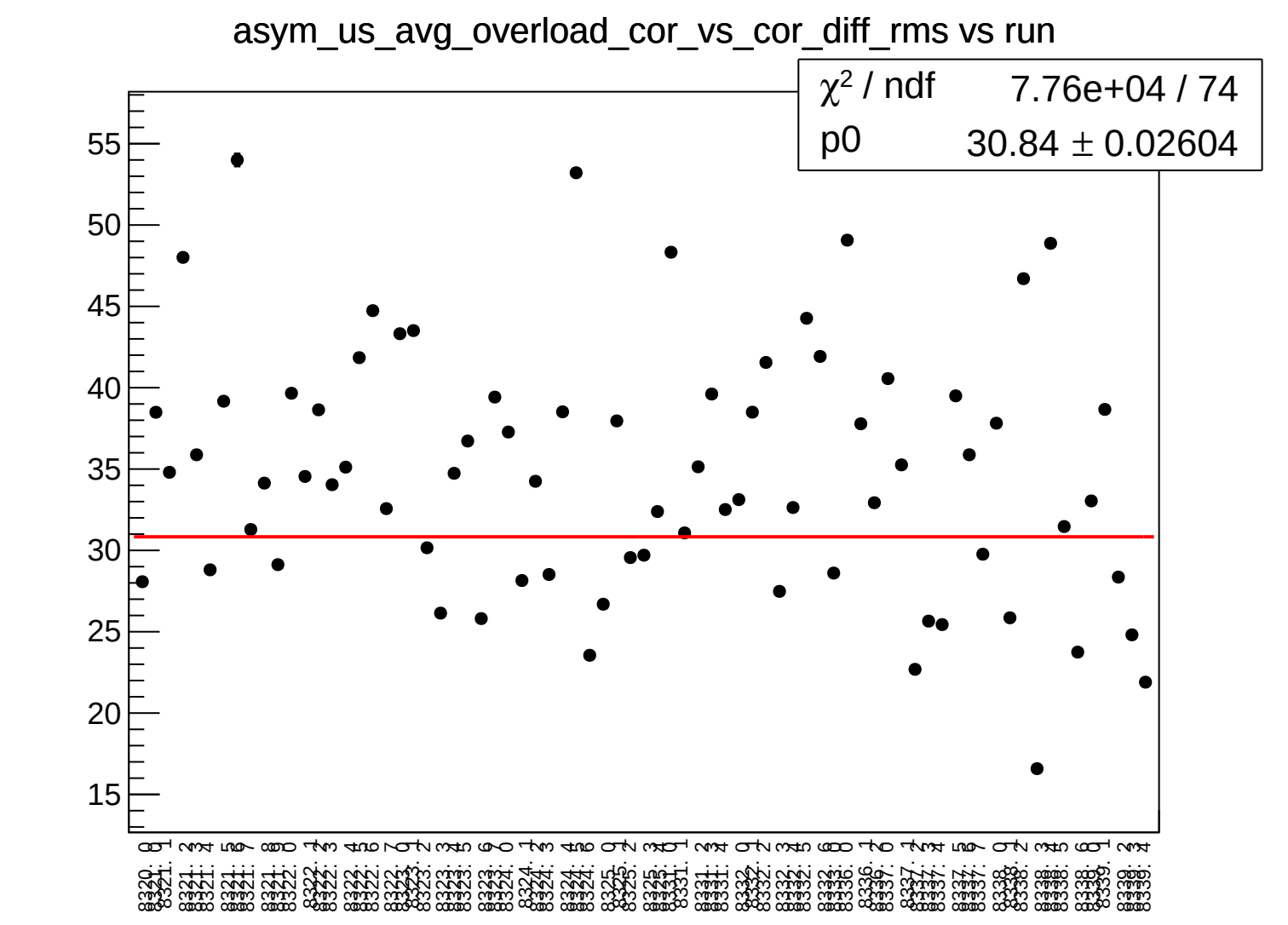

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 65.01 / 74
p0 0.07342 ± 0.0615
pull
Entries 75
Mean −33.85
Std Dev 0
pull1D
Entries 75
Mean 0.009525
Std Dev 0.931

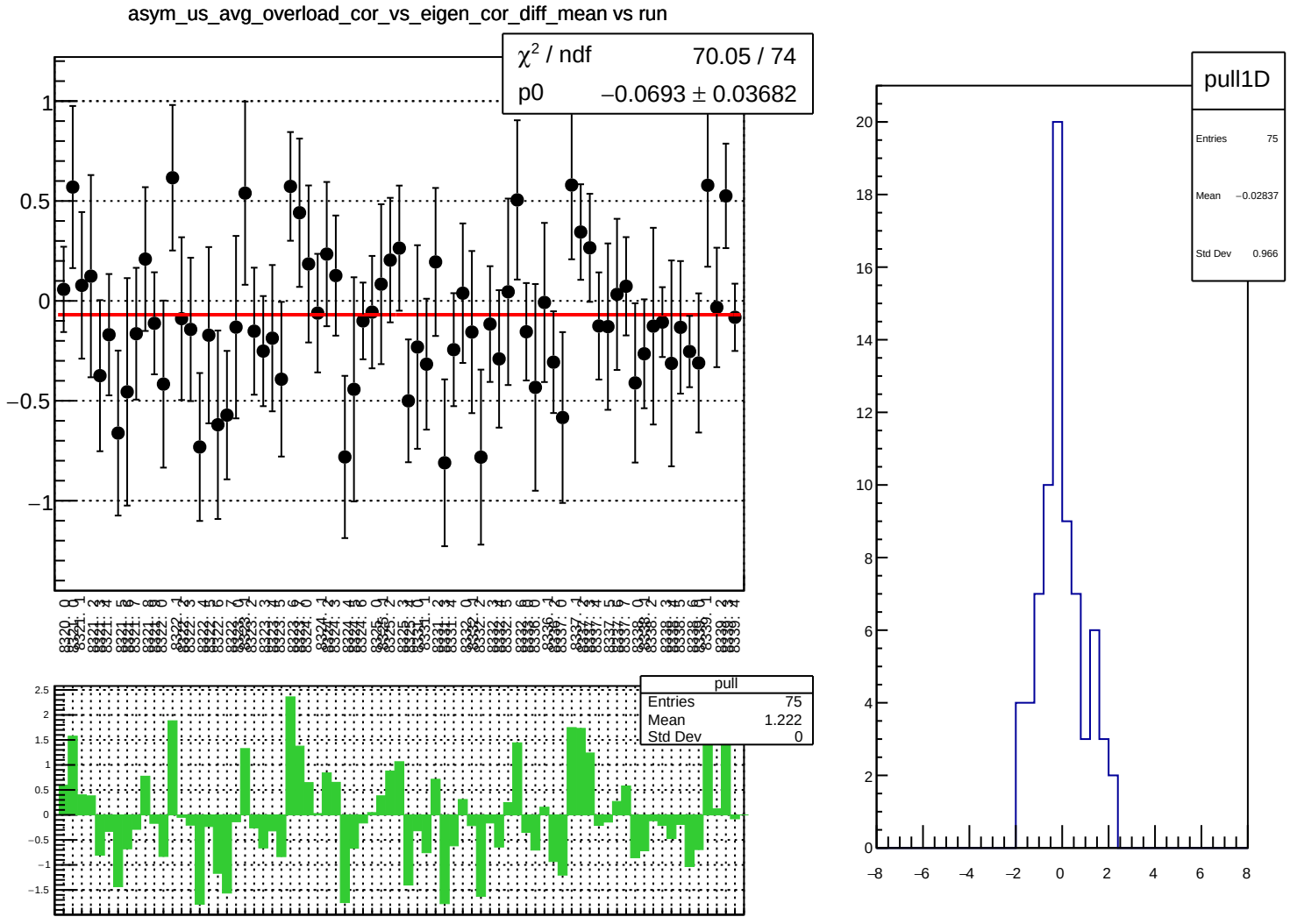

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.006e+04 / 74
p0 52.19 ± 0.04349
75
70
65
60
55
50
45
40
35

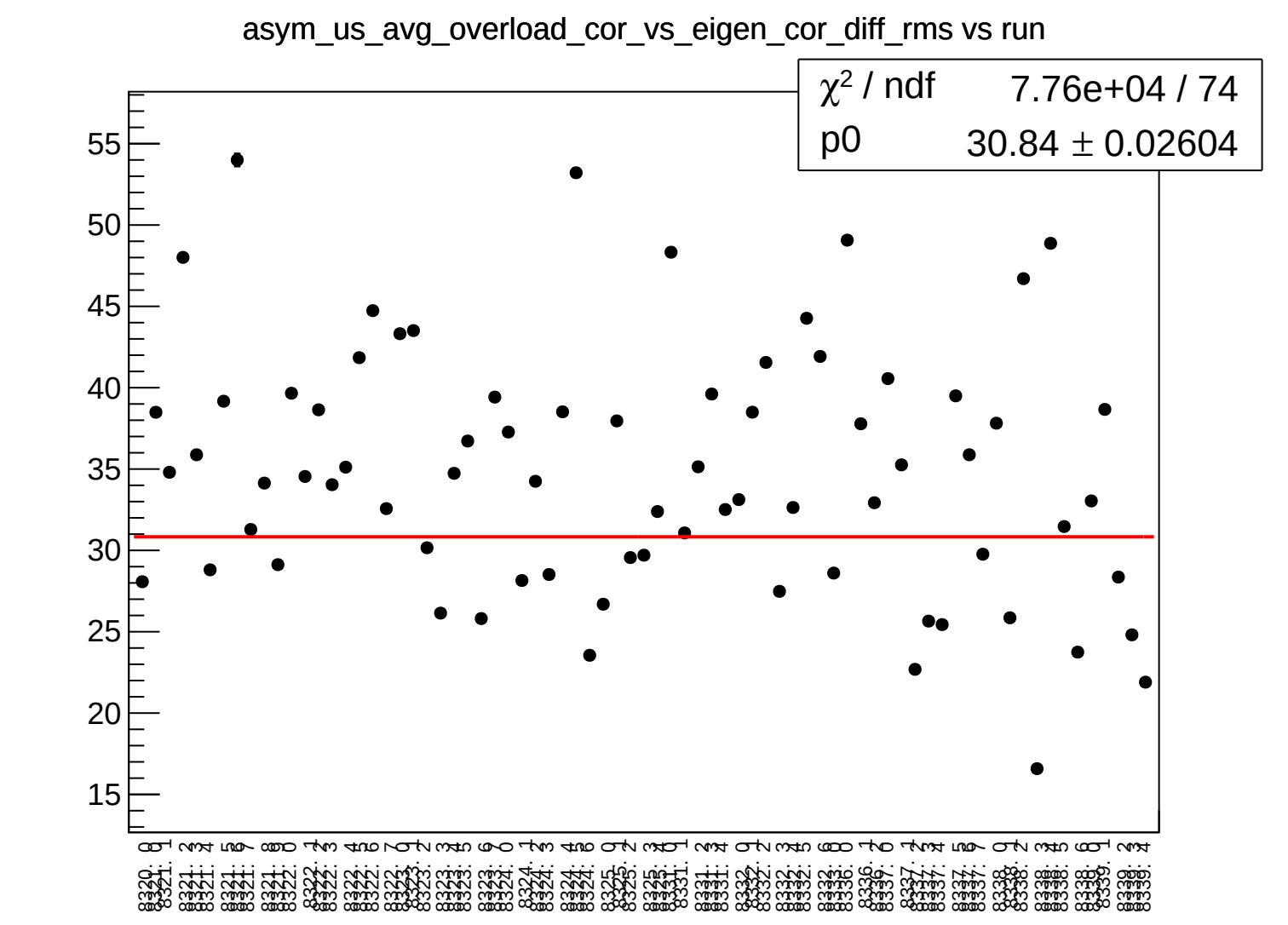

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.17 / 74
p0 −9.889e−14 ± 1.18e−13
pull
Entries 75
Mean −48.32
Std Dev 0
pull1D
Entries 75
Mean 0.03745
Std Dev 1.027

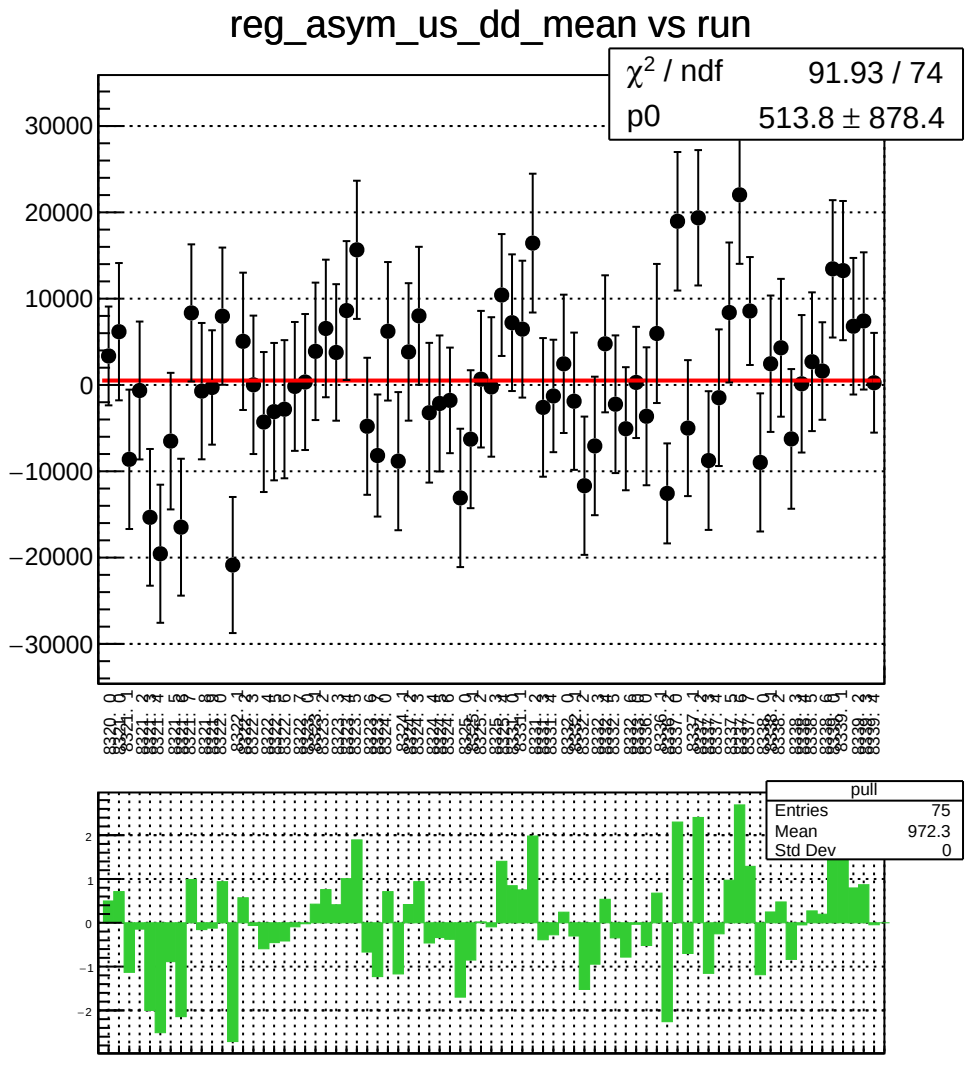

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.787e+05 / 74
p0 8.347e−11 ± 8.341e−14
0.6
0.5
0.4
0.3
0.2
0.1

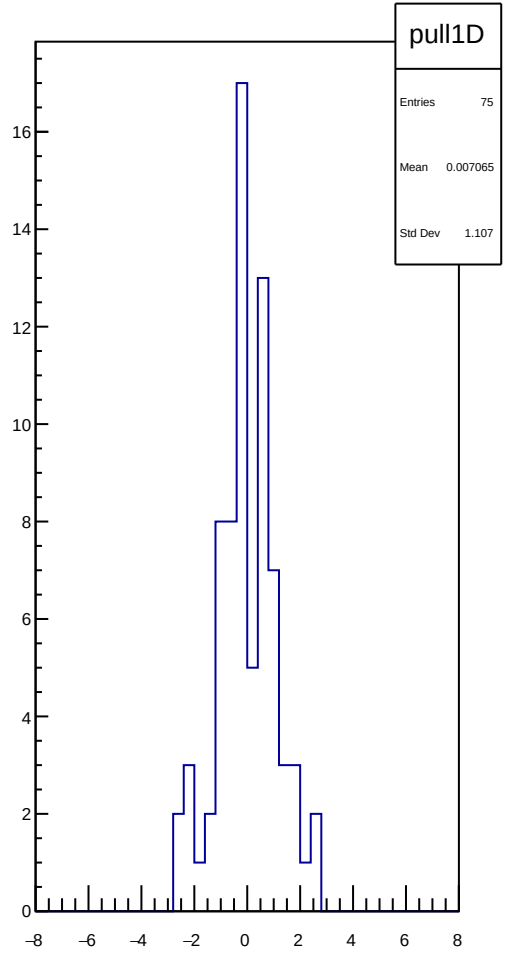

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 70.05 / 74
p0 −0.0693 ± 0.03682
pull
Entries 75
Mean 1.222
Std Dev 0
pull1D
Entries 75
Mean −0.02837
Std Dev 0.966

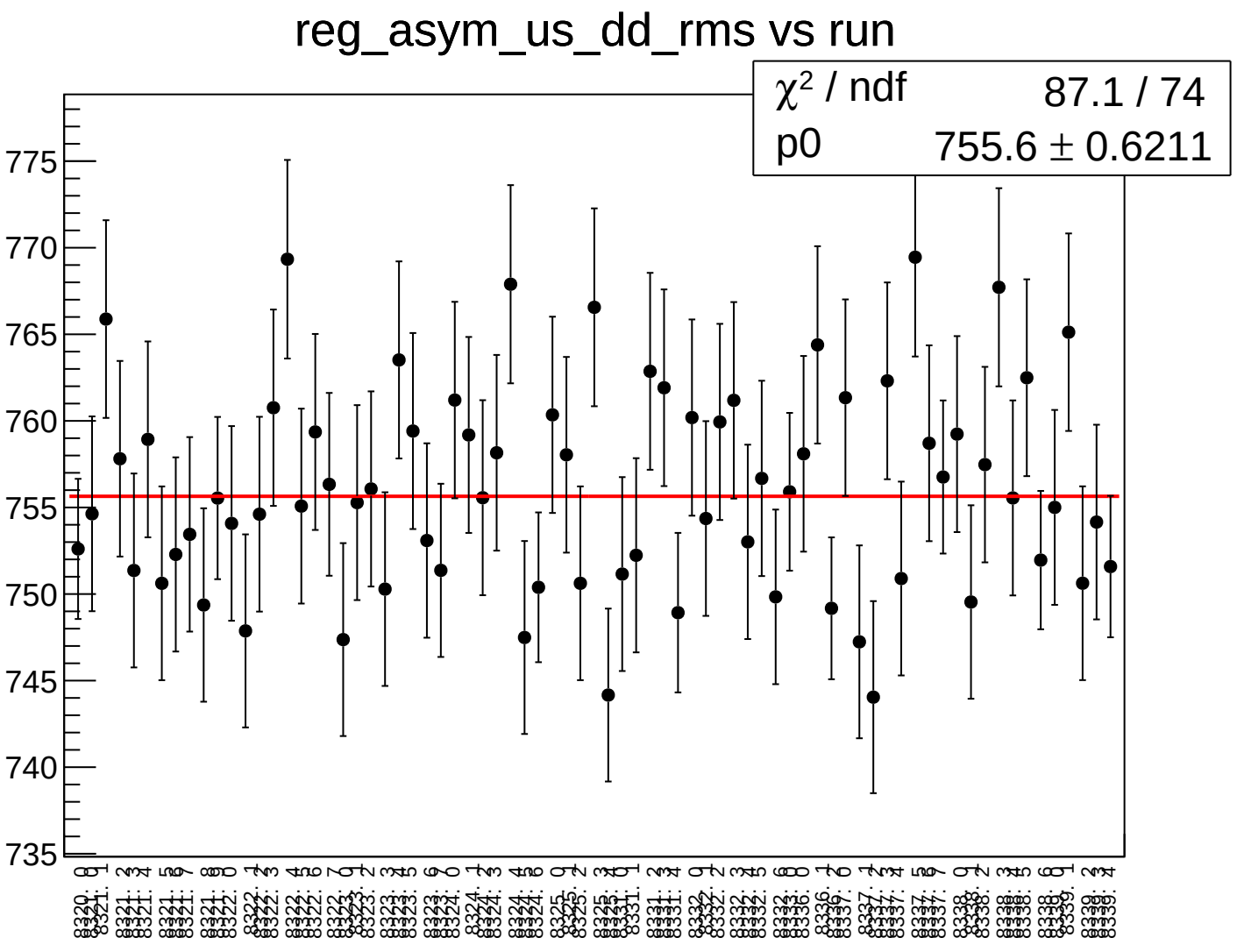

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.76e+04 / 74
p0 30.84 ± 0.02604
55
50
45
40
35
30
25
20
15

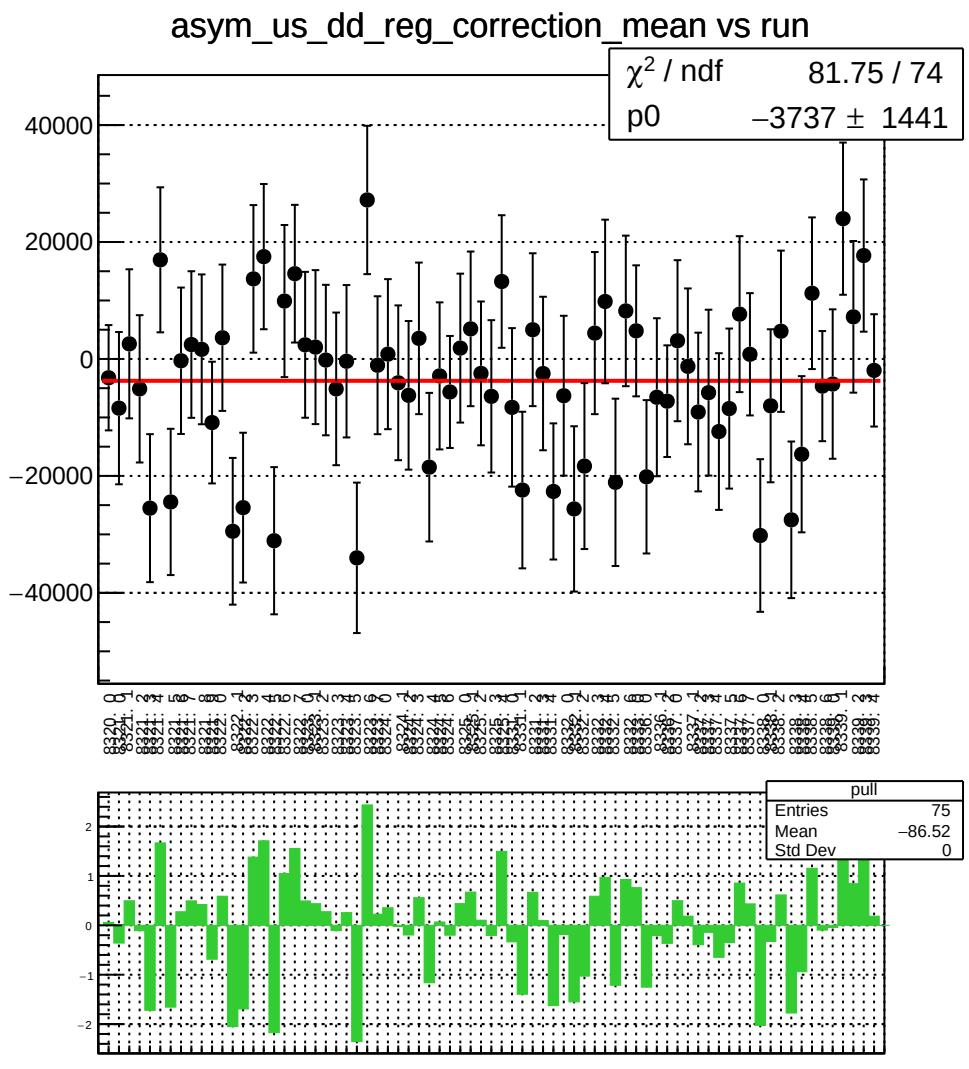

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.05 / 74
p0 −0.0693 ± 0.03682
pull
Entries 75
Mean 1.222
Std Dev 0
pull1D
Entries 75
Mean −0.02837
Std Dev 0.966

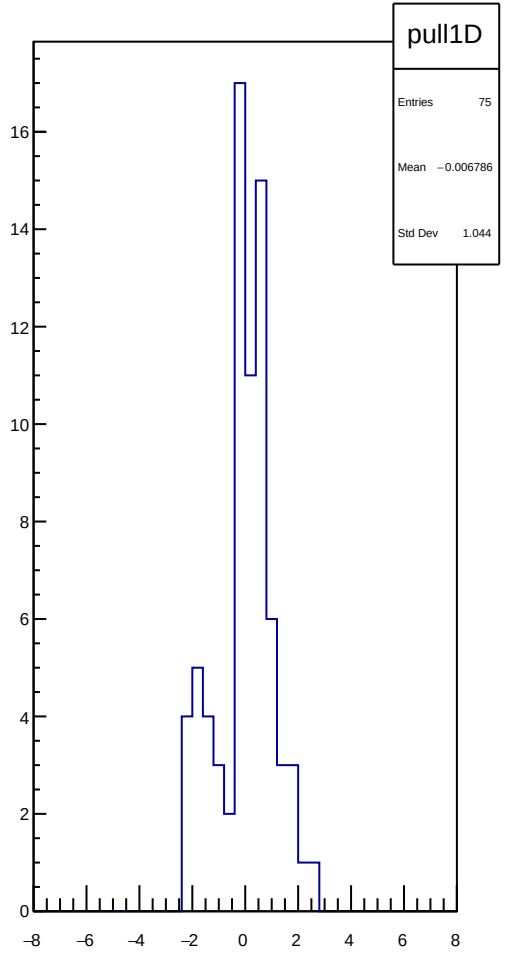

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.76e+04 / 74
p0 30.84 ± 0.02604
55
50
45
40
35
30
25
20
15

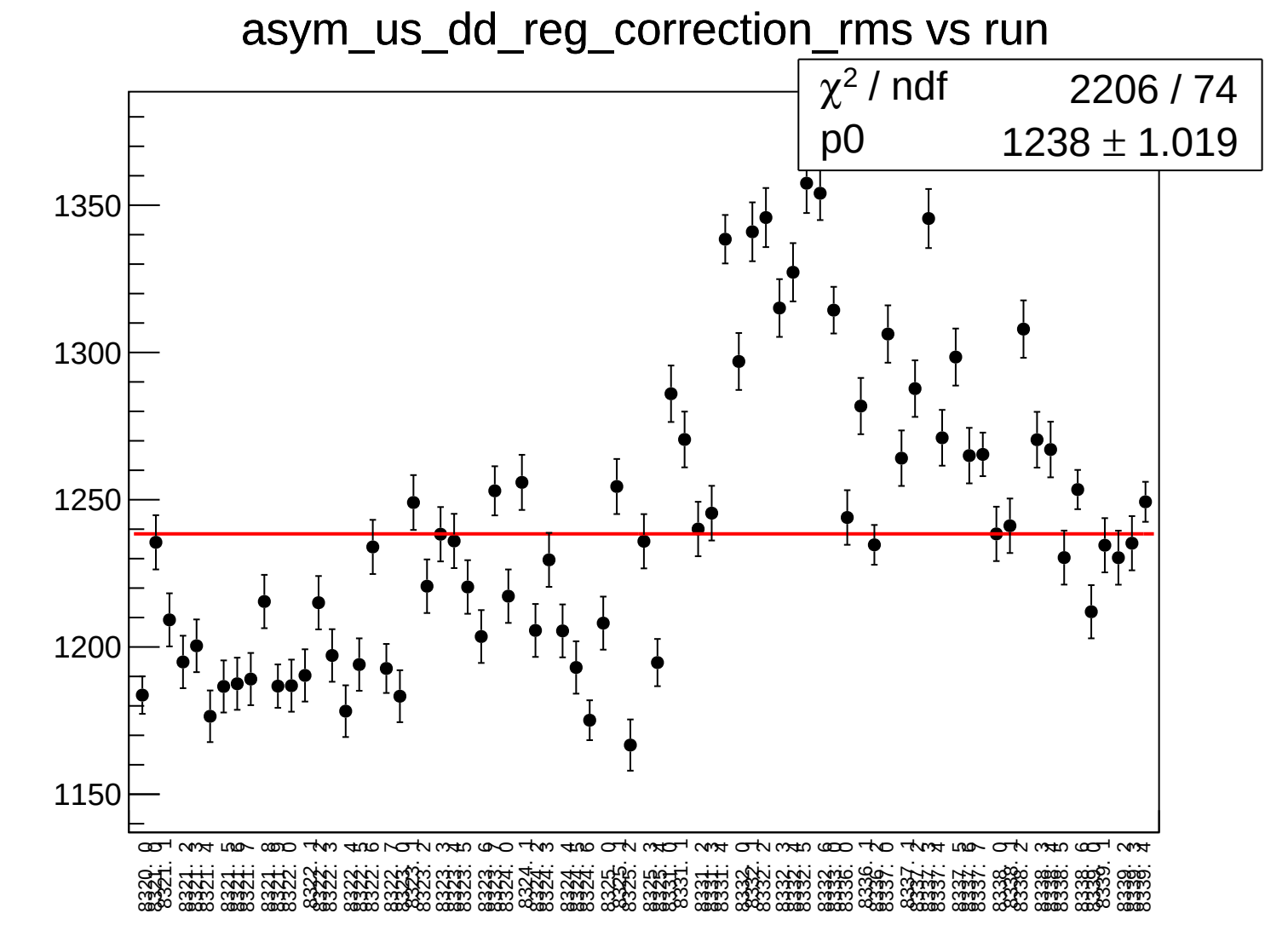

reg_asym_us_dd_mean vs run
χ^2 / ndf 91.93 / 74
p0 513.8 ± 878.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 972.3
Std Dev 0
2
1
0
−1
−2

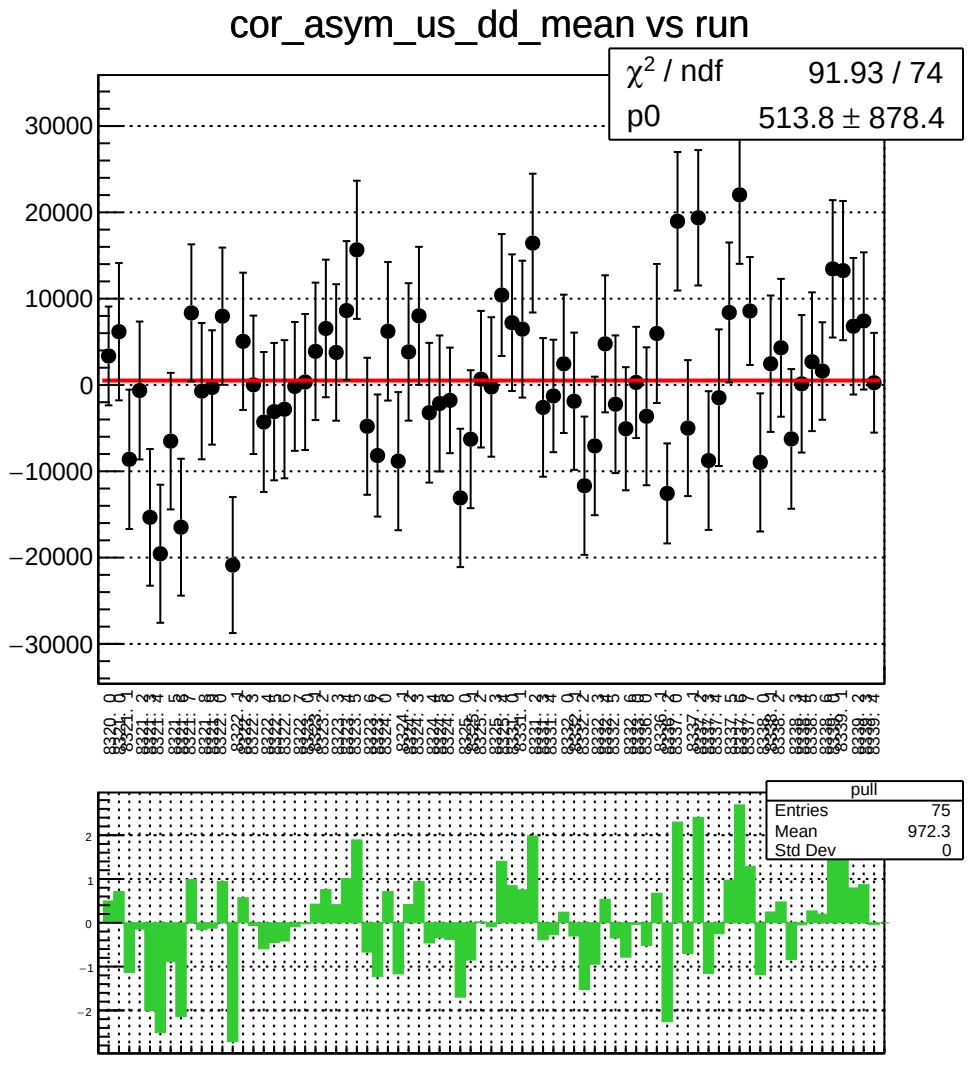

pull1D
Entries 75
Mean 0.007065
Std Dev 1.107
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

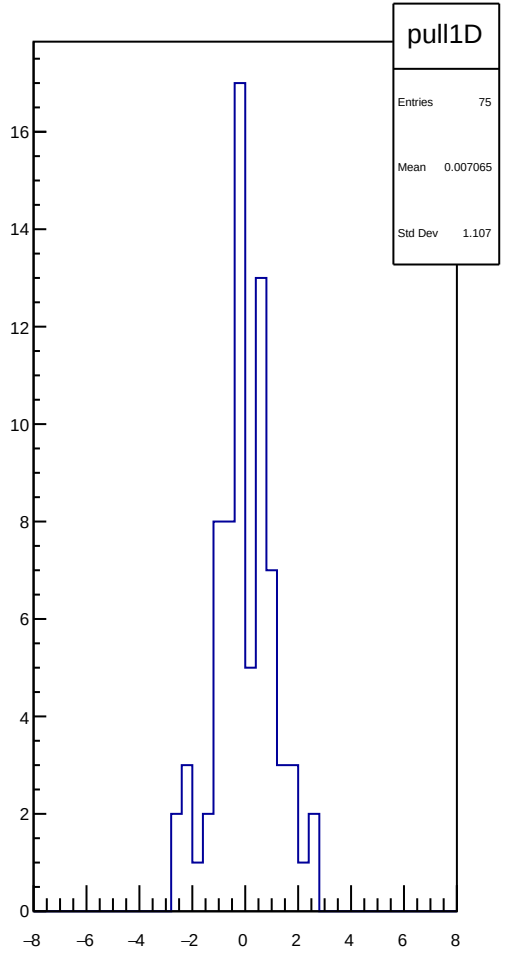

reg_asym_us_dd_rms vs run
χ² / ndf 87.1 / 74
p0 755.6 ± 0.6211
775
770
765
760
755
750
745
740
735

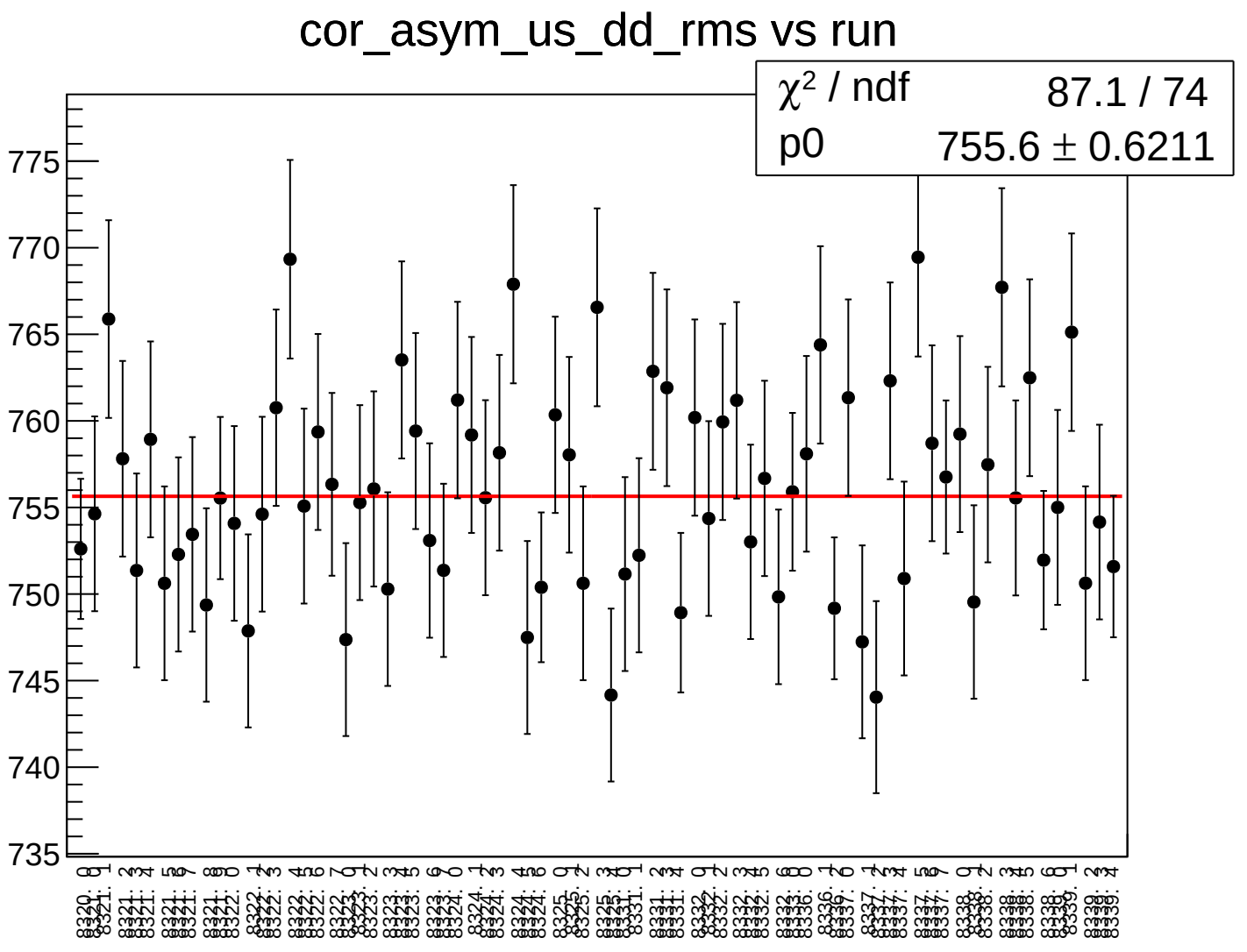

asym_us_dd_reg_correction_mean vs run
χ² / ndf 81.75 / 74
p0 −3737 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −86.52
Std Dev 0
2
1
0
−1
−2

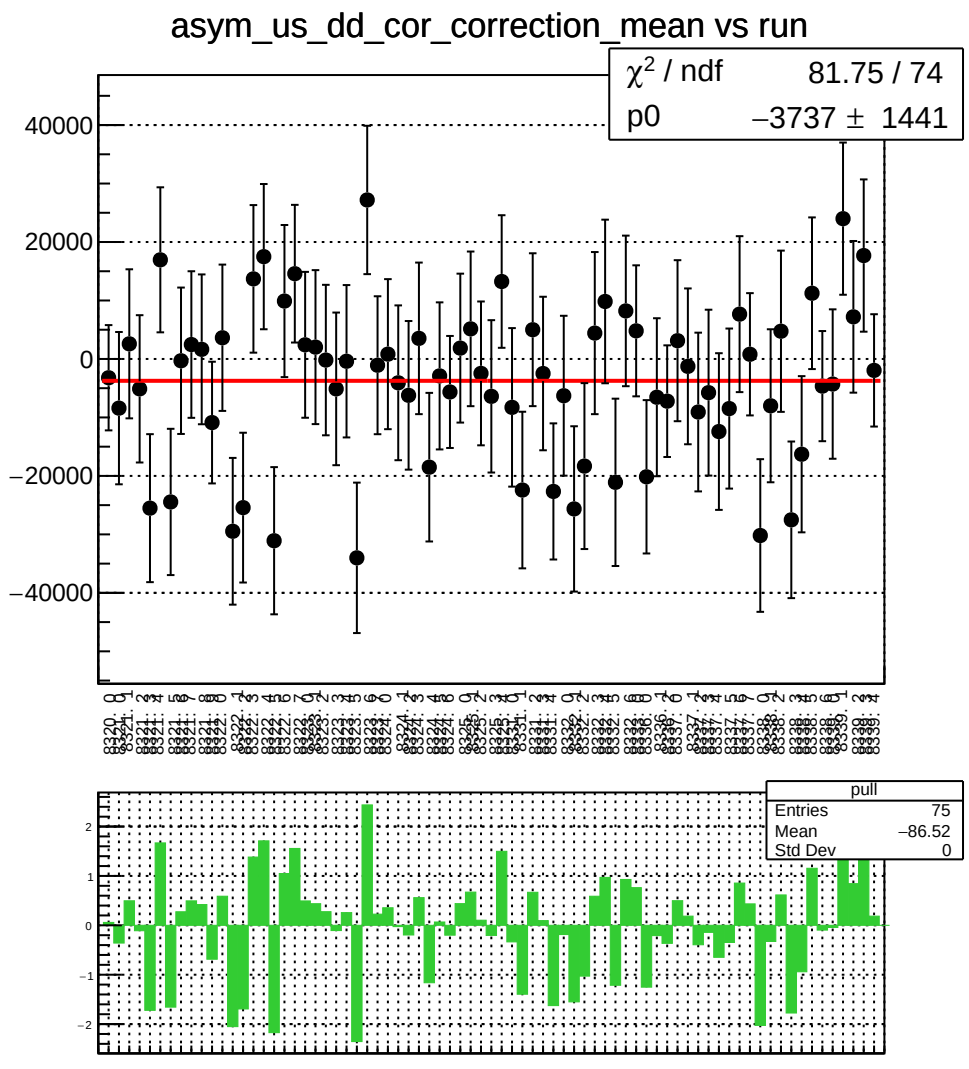

pull1D
Entries 75
Mean −0.006786
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

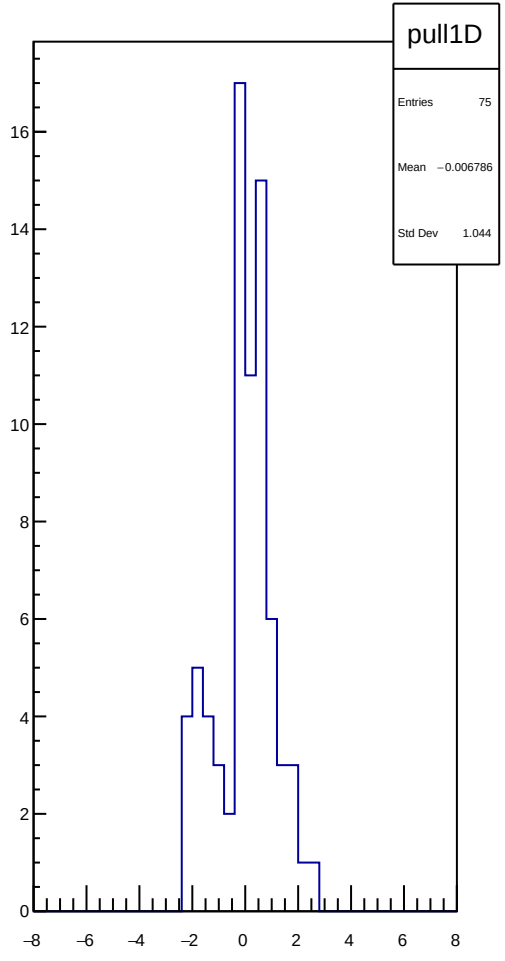

asym_us_dd_reg_correction_rms vs run
χ² / ndf 2206 / 74
p0 1238 ± 1.019
1350
1300
1250
1200
1150

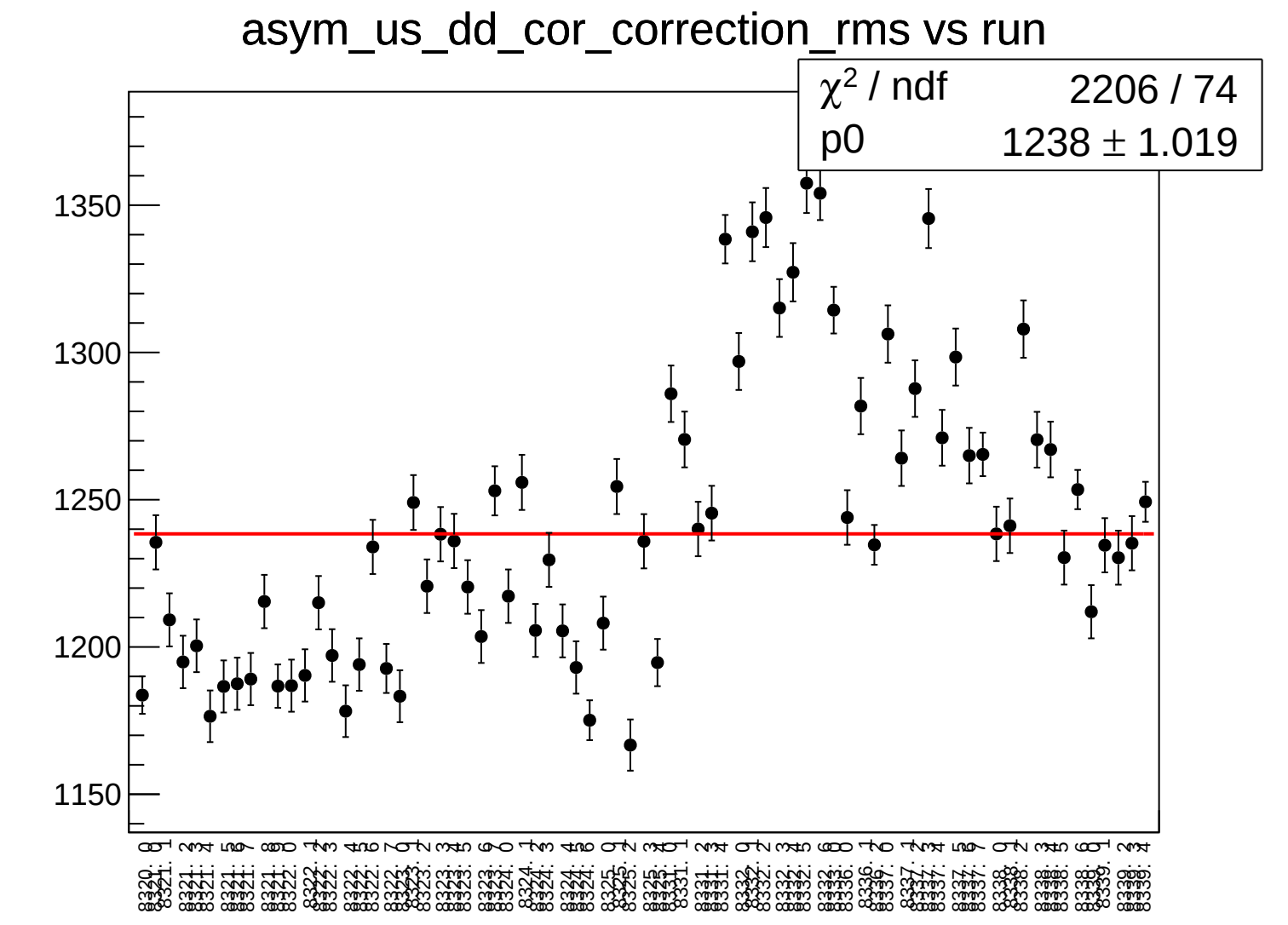

cor_asym_us_dd_mean vs run
χ² / ndf 91.93 / 74
p0 513.8 ± 878.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 972.3
Std Dev 0
2
1
0
−1
−2

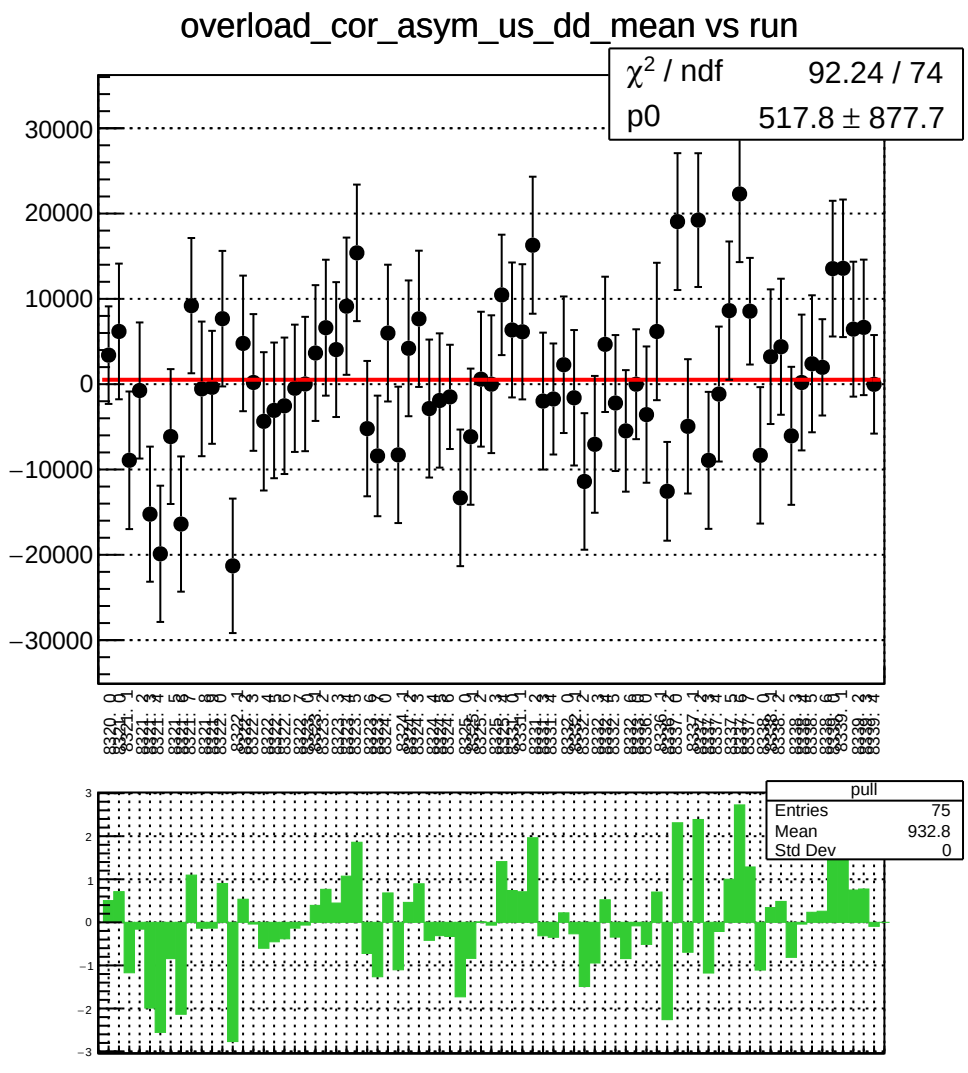

pull1D
Entries 75
Mean 0.007065
Std Dev 1.107
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

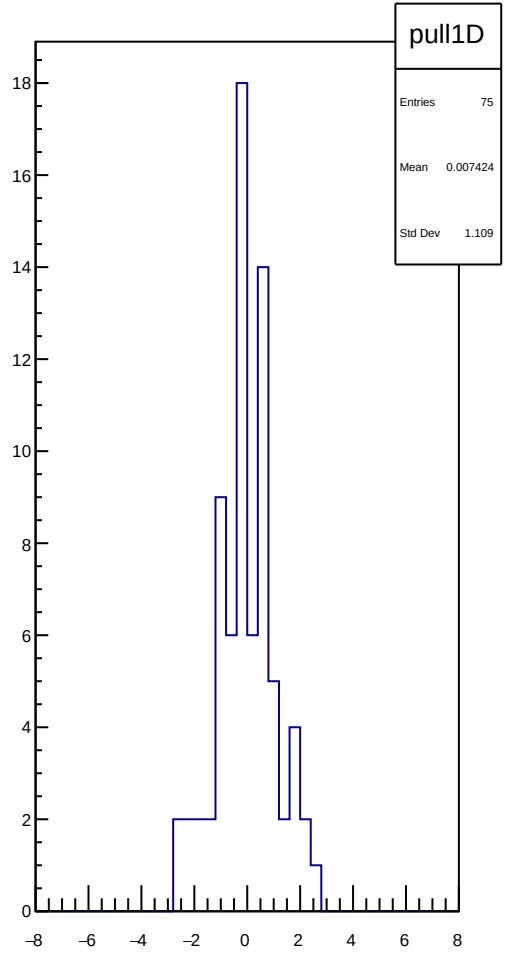

cor_asym_us_dd_rms vs run
χ² / ndf 87.1 / 74
p0 755.6 ± 0.6211
775
770
765
760
755
750
745
740
735

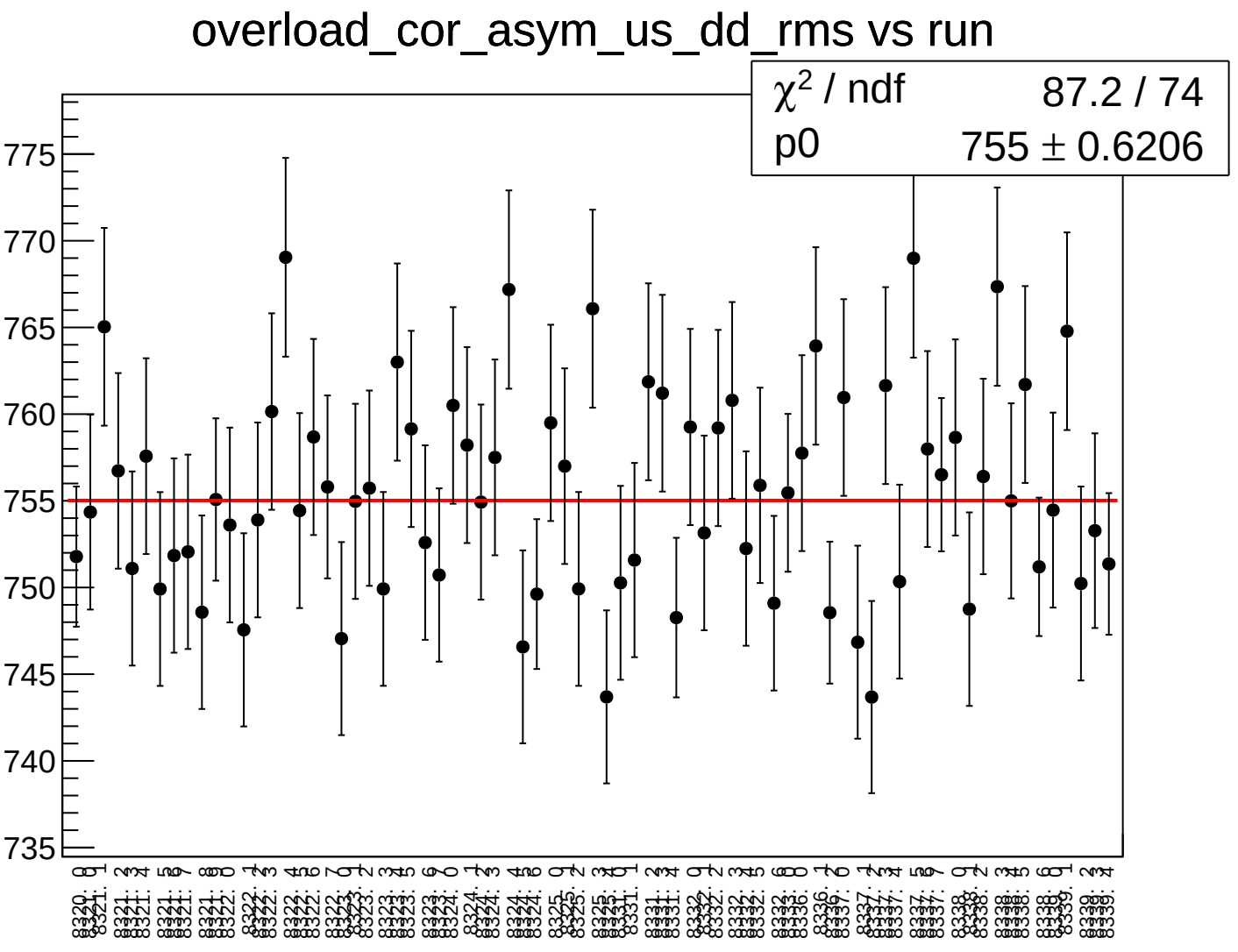

asym_us_dd_cor_correction_mean vs run
χ² / ndf 81.75 / 74
p0 −3737 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −86.52
Std Dev 0
2
1
0
−1
−2

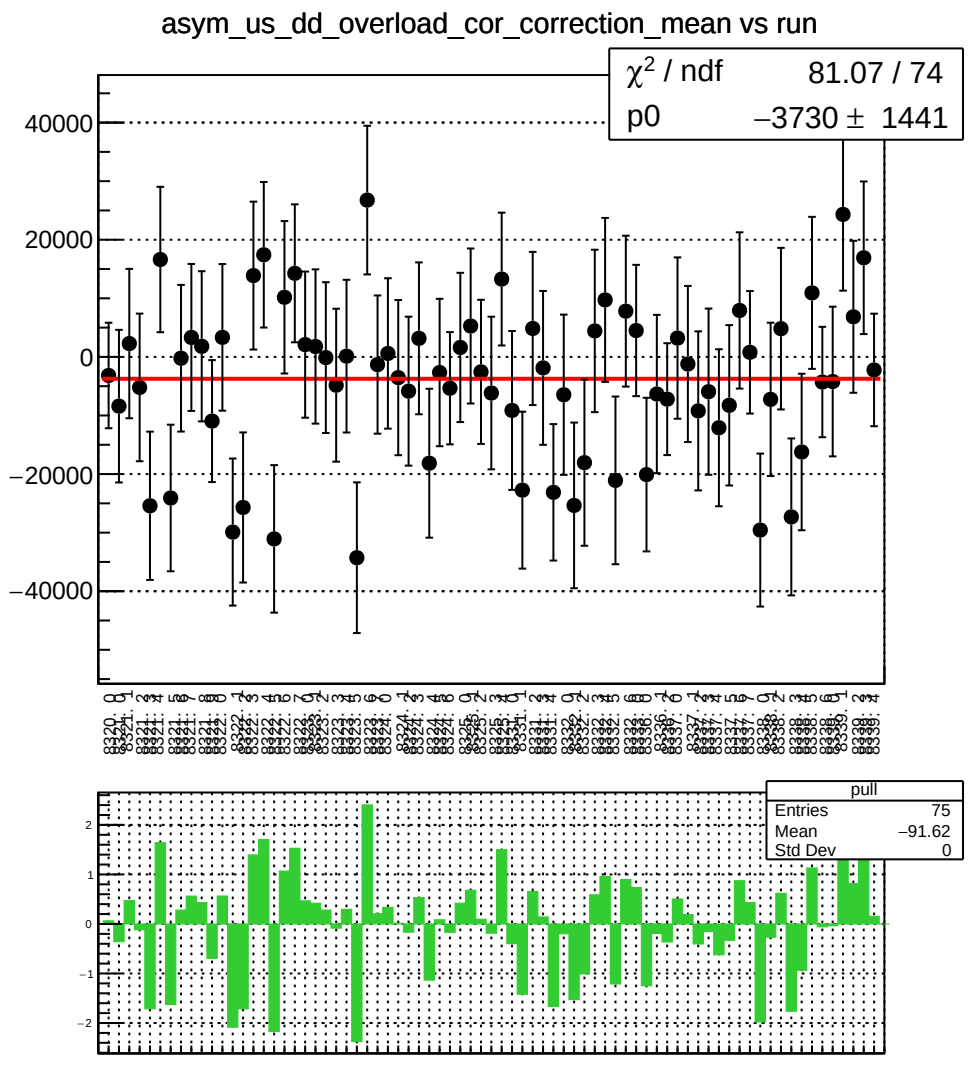

pull1D
Entries 75
Mean −0.006786
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

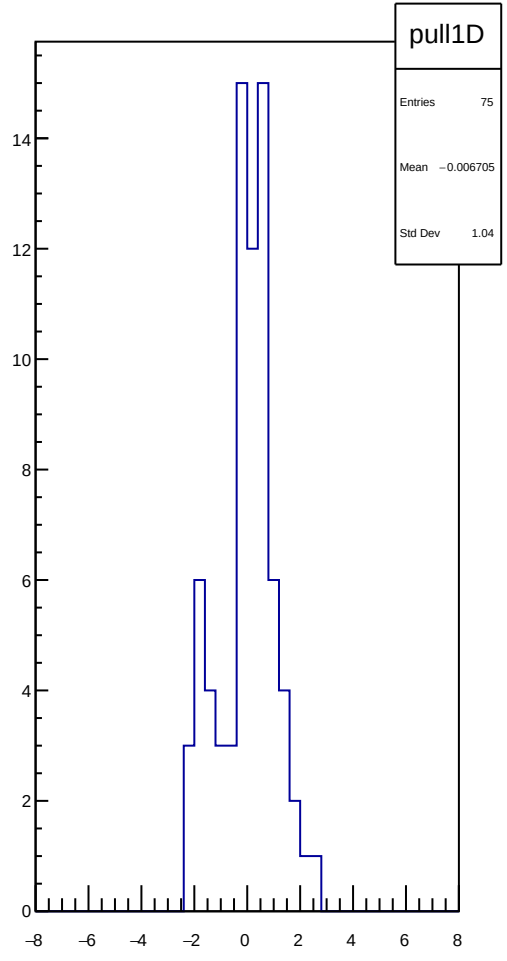

asym_us_dd_cor_correction_rms vs run
χ² / ndf 2206 / 74
p0 1238 ± 1.019
1350
1300
1250
1200
1150

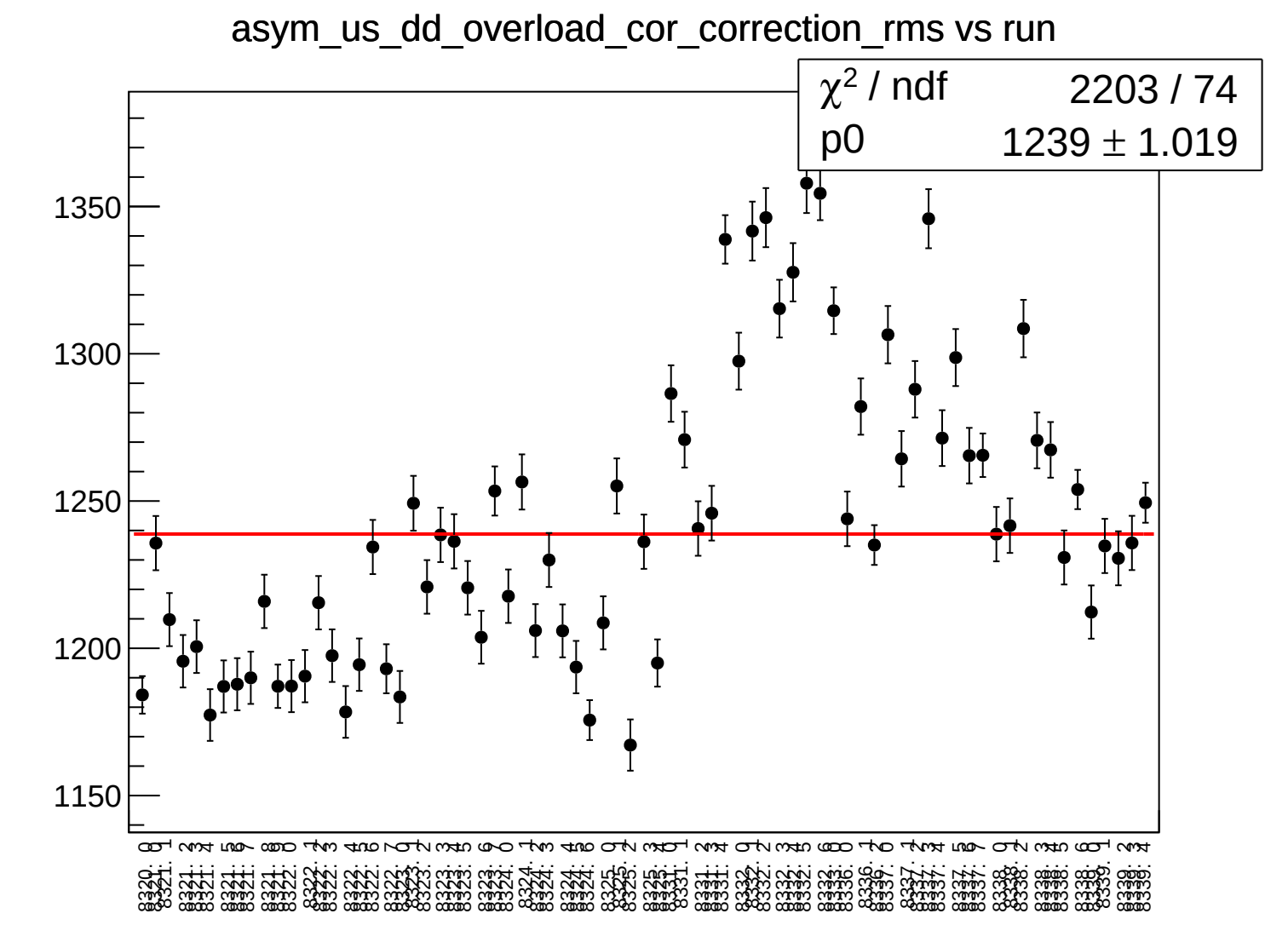

overload_cor_asym_us_dd_mean vs run
χ² / ndf 92.24 / 74
p0 517.8 ± 877.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 932.8
Std Dev 0
3
2
1
0
−1
−2
−3

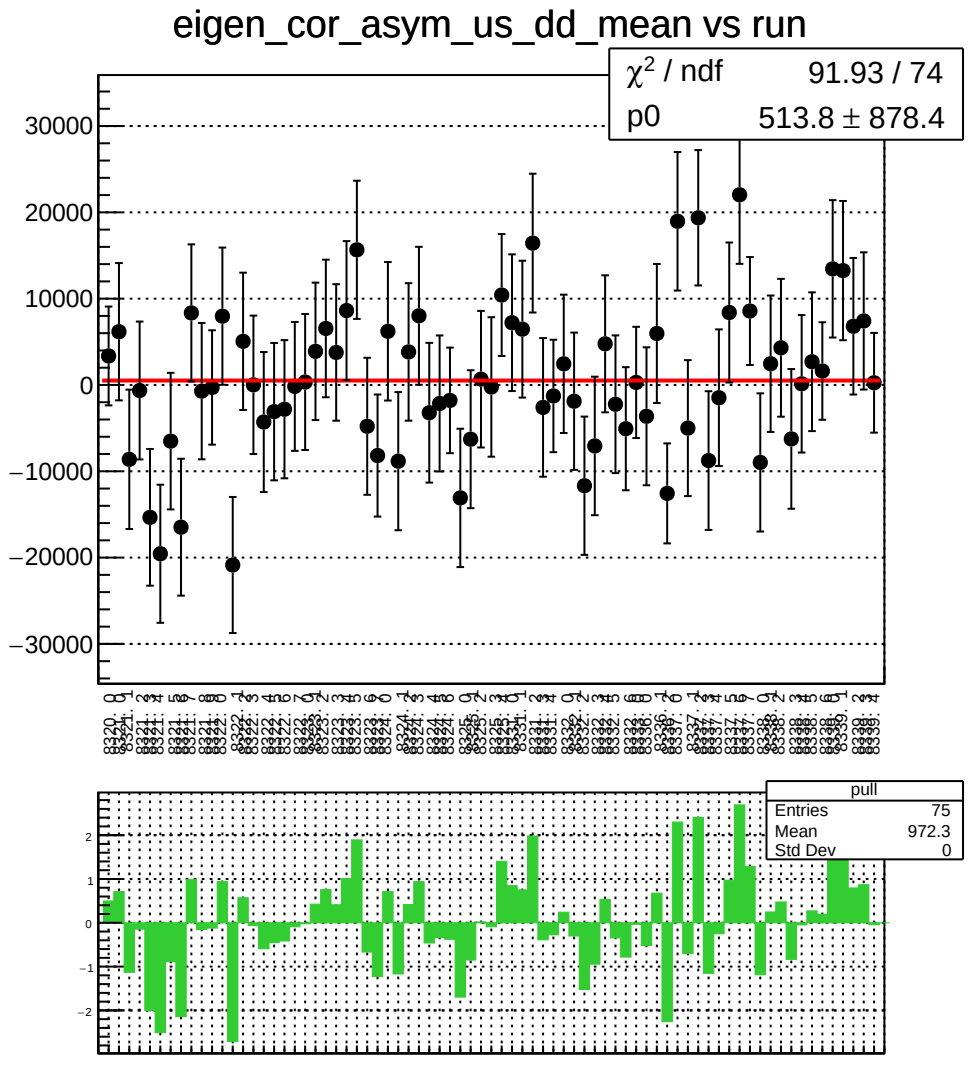

pull1D
Entries 75
Mean 0.007424
Std Dev 1.109
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

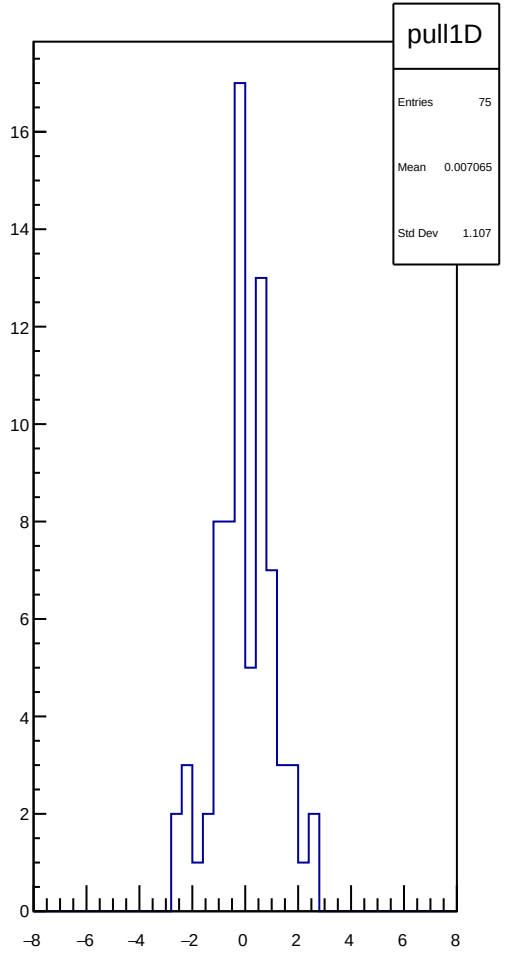

overload_cor_asym_us_dd_rms vs run
χ² / ndf 87.2 / 74
p0 755 ± 0.6206
775
770
765
760
755
750
745
740
735

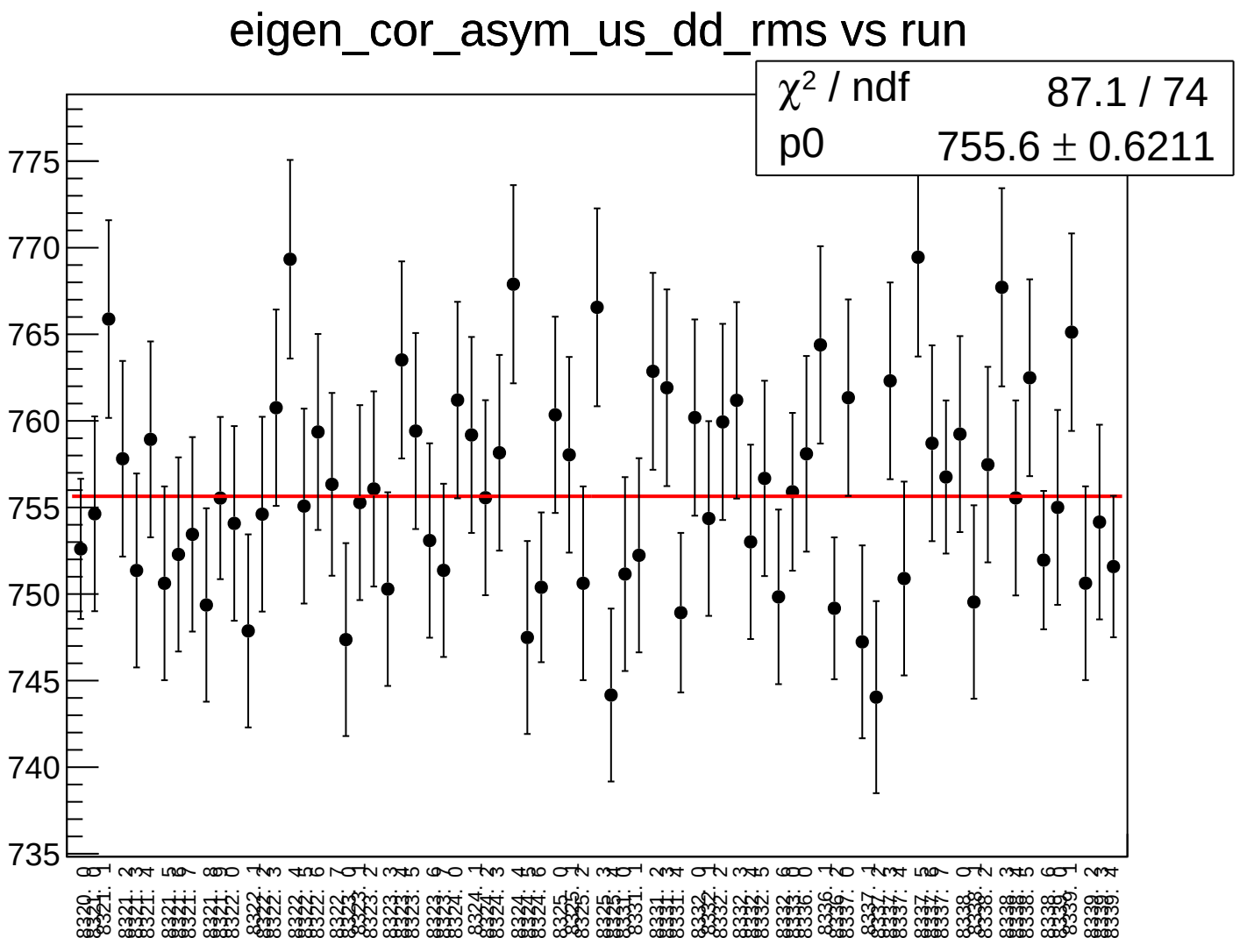

asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 81.07 / 74
p0 −3730 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −91.62
Std Dev 0
2
1
0
−1
−2

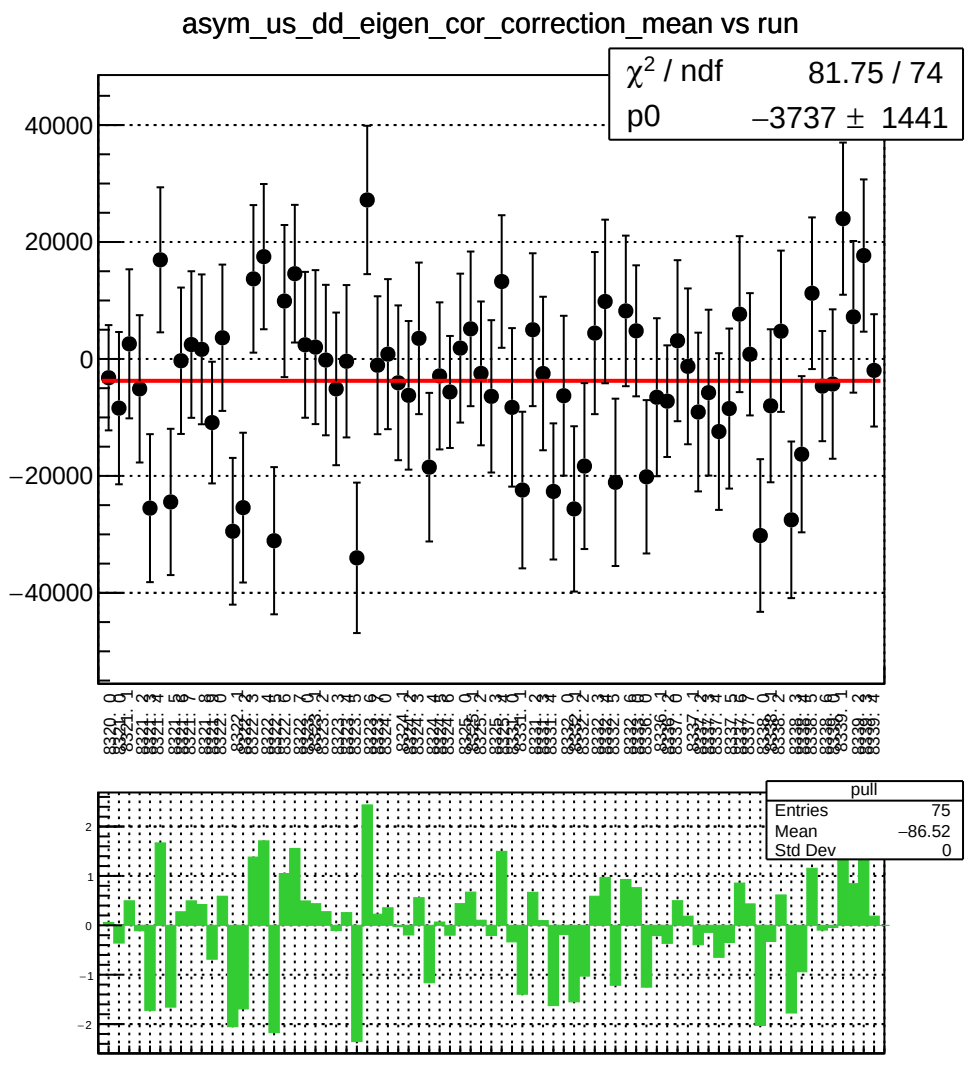

pull1D
Entries 75
Mean −0.006705
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

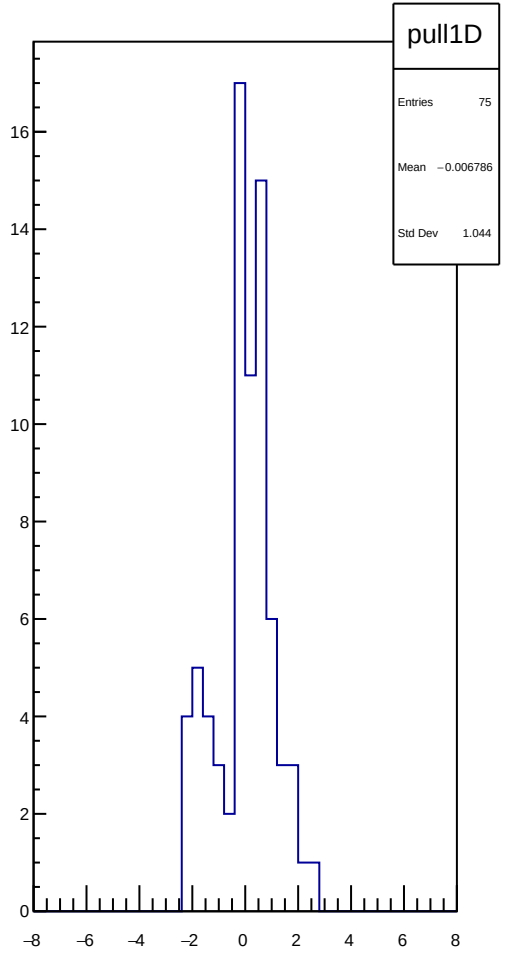

asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 2203 / 74
p0 1239 ± 1.019
1350
1300
1250
1200
1150


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 91.93 / 74
p0 513.8 ± 878.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 972.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean 0.007065
Std Dev 1.107
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_rms vs run
χ² / ndf 87.1 / 74
p0 755.6 ± 0.6211
775
770
765
760
755
750
745
740
735


asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.75 / 74
p0 −3737 ± 1441
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −86.52
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.006786
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
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−4
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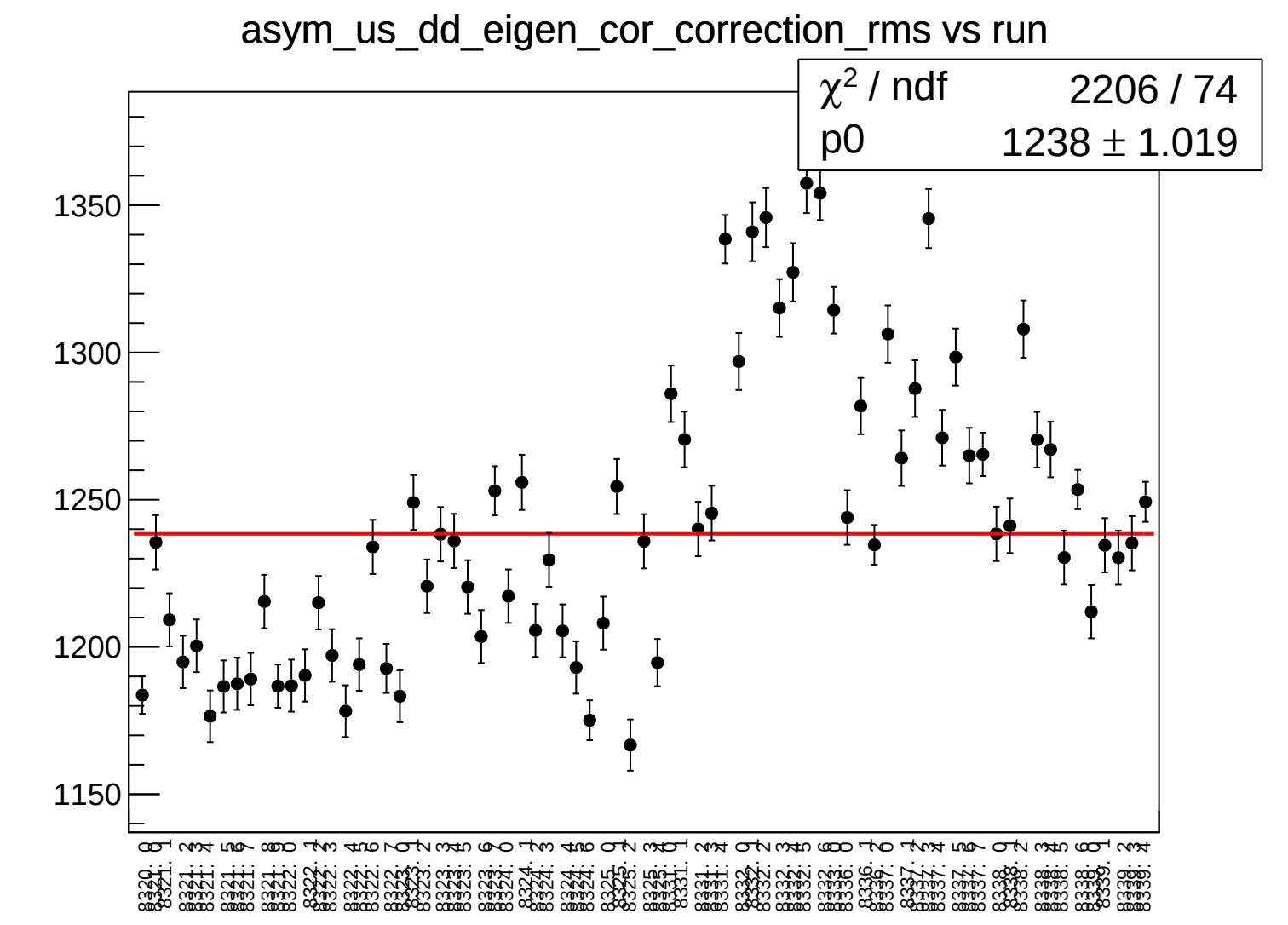
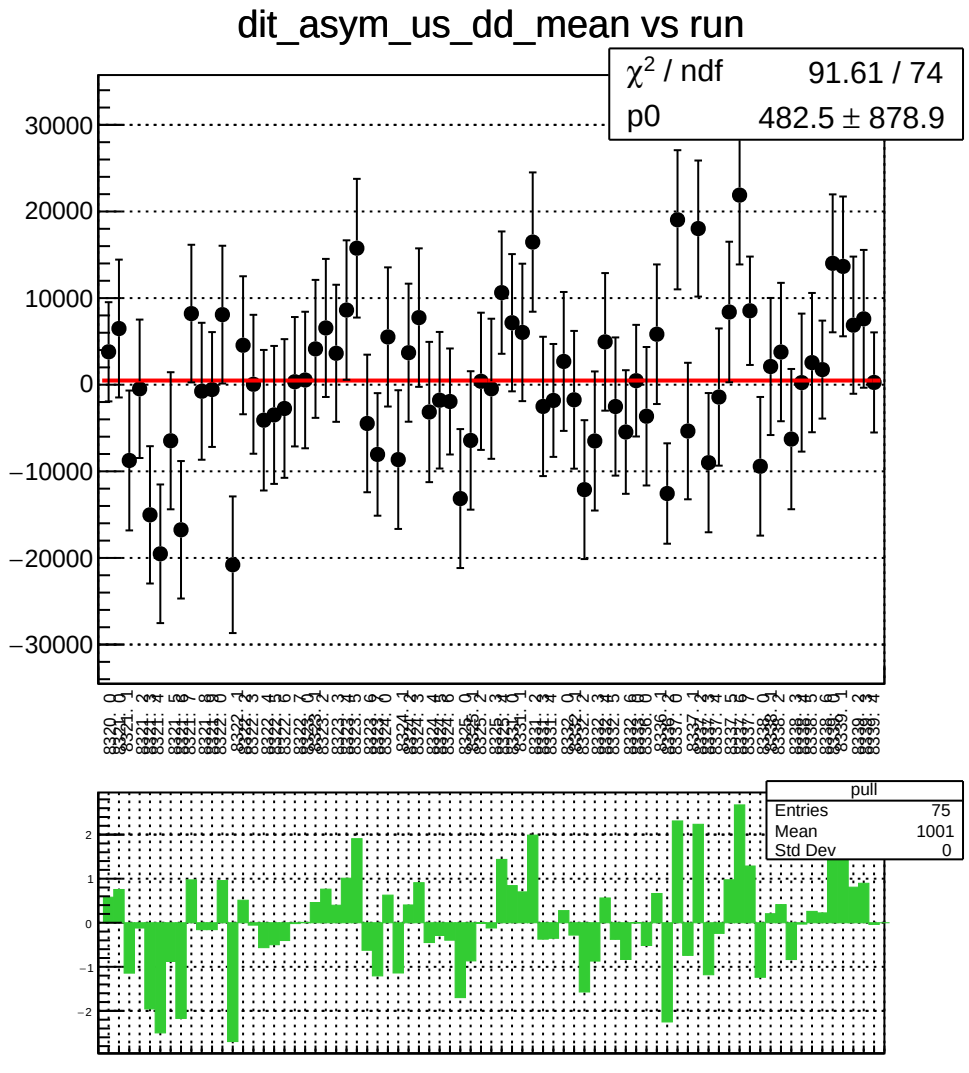
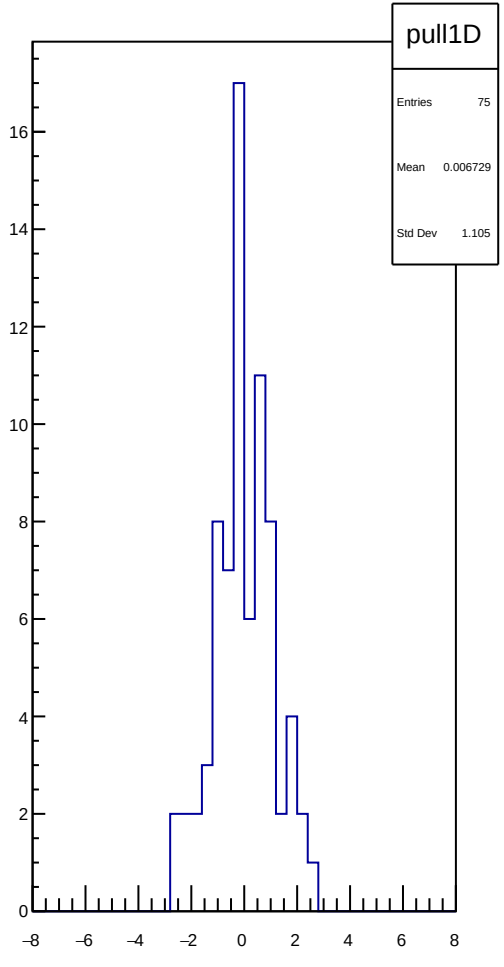
0
2
4
6
8


asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 2206 / 74
p0 1238 ± 1.019
1350
1300
1250
1200
1150


dit_asym_us_dd_mean vs run
χ^2 / ndf 91.61 / 74
p0 482.5 ± 878.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 1001
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean 0.006729
Std Dev 1.105
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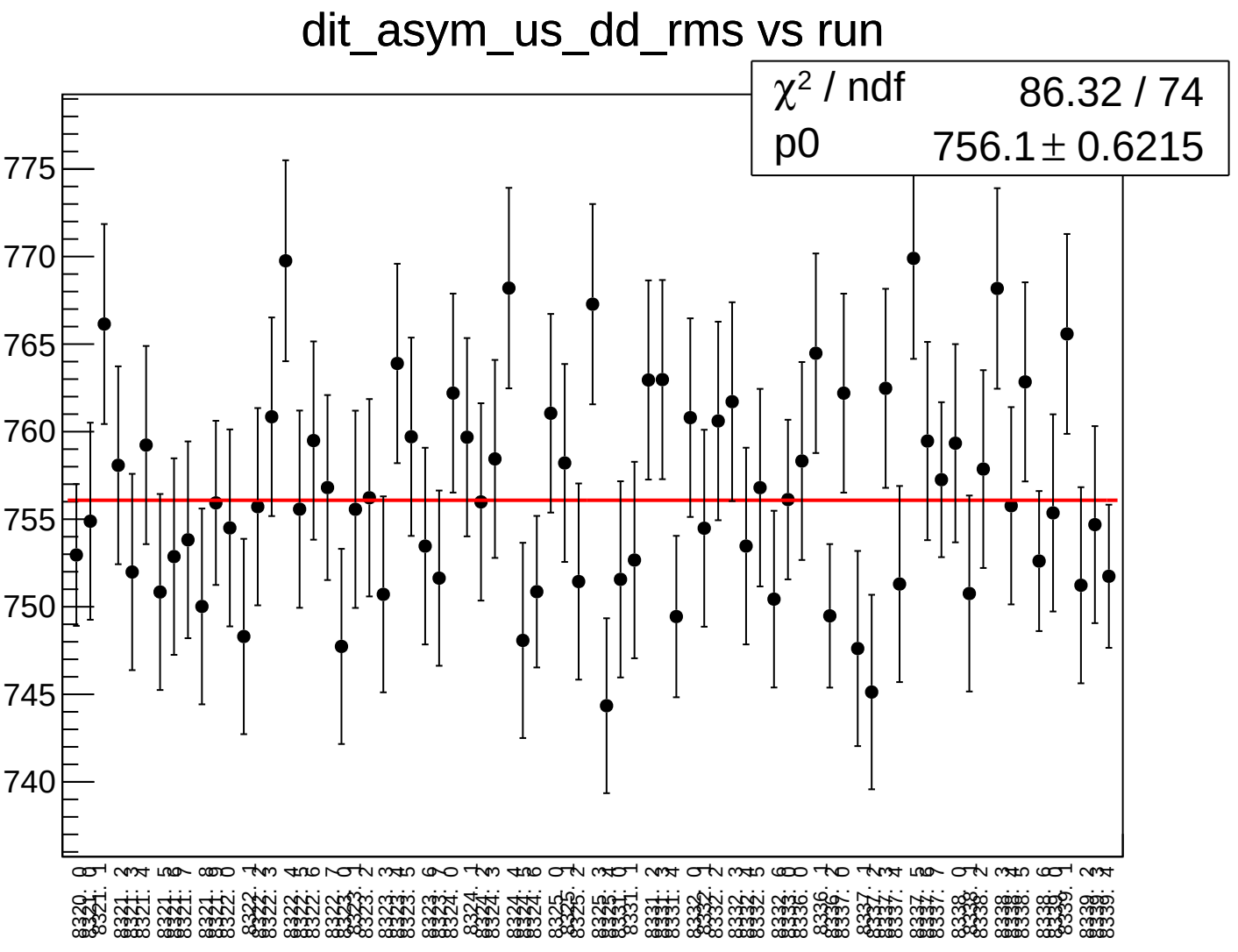
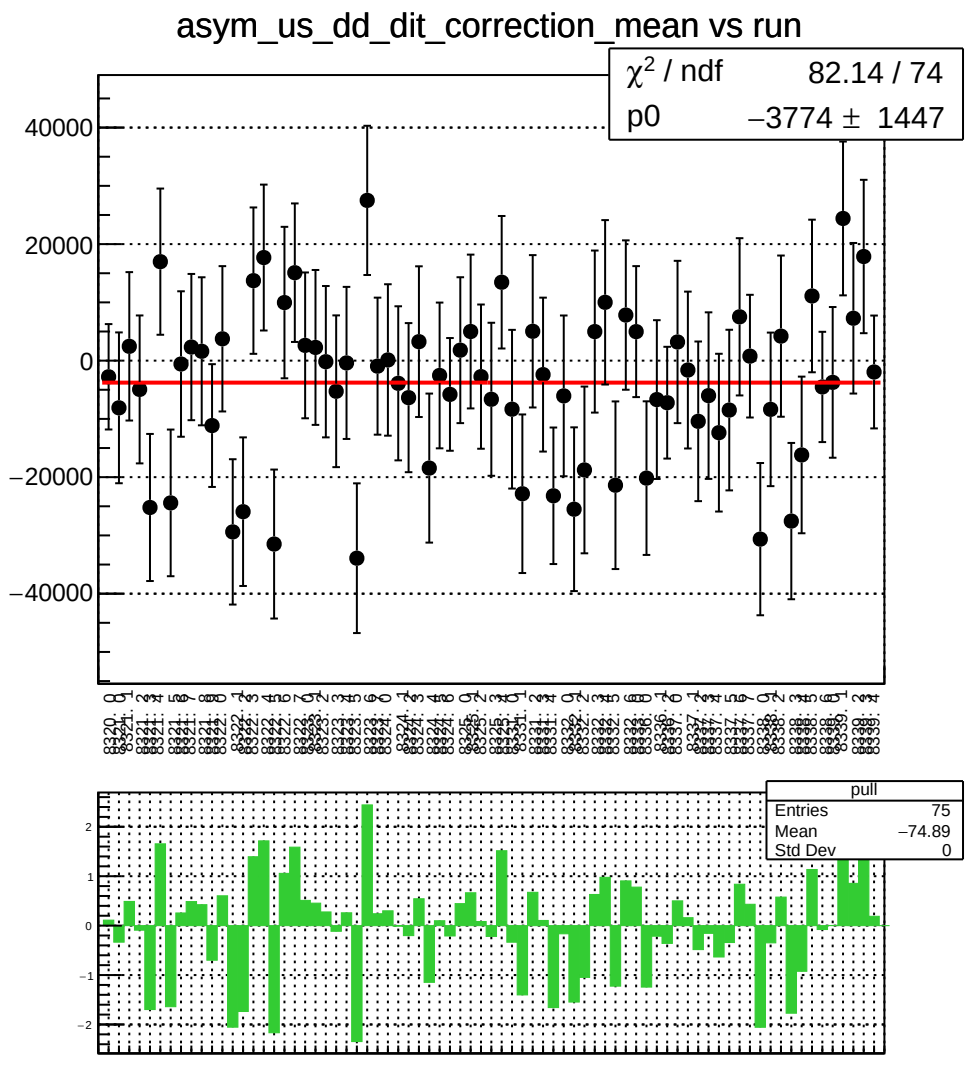
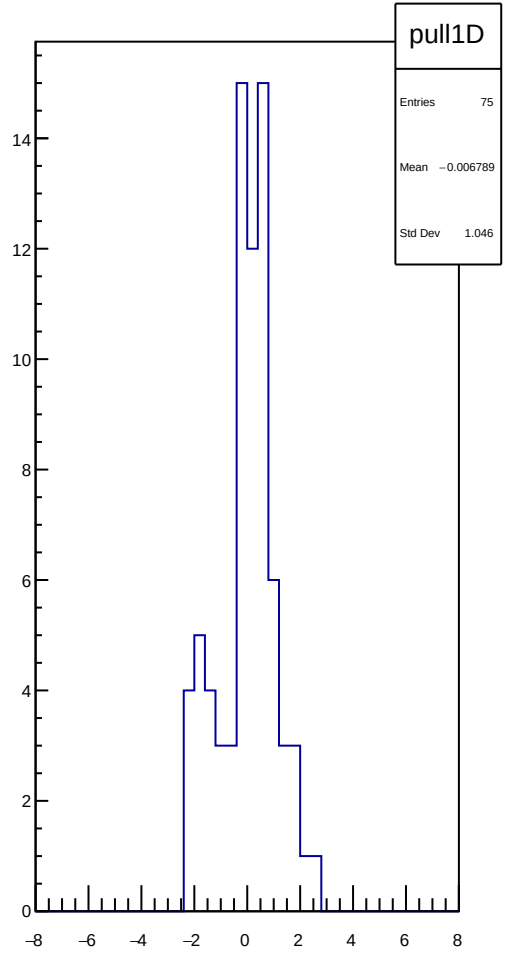
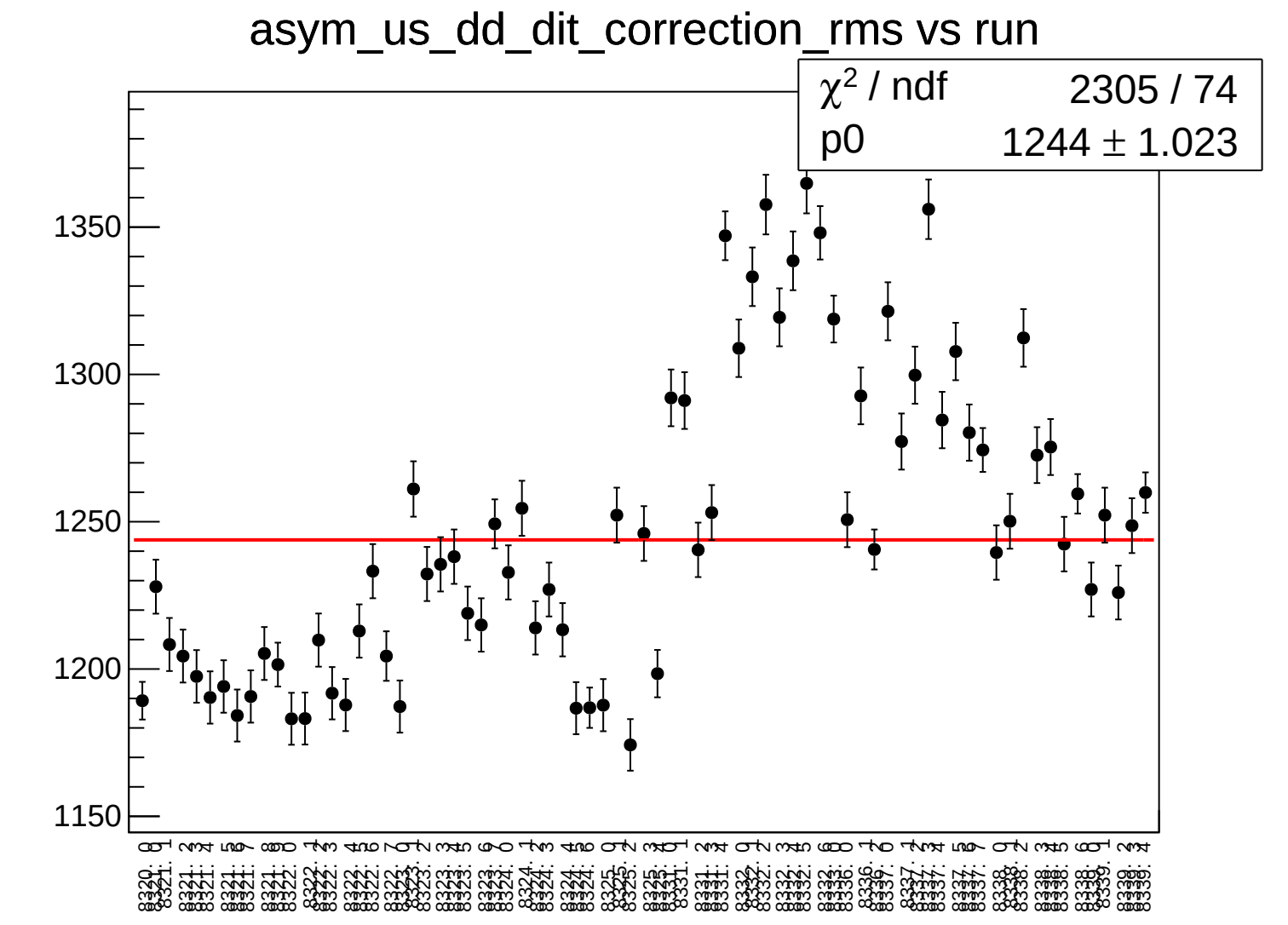
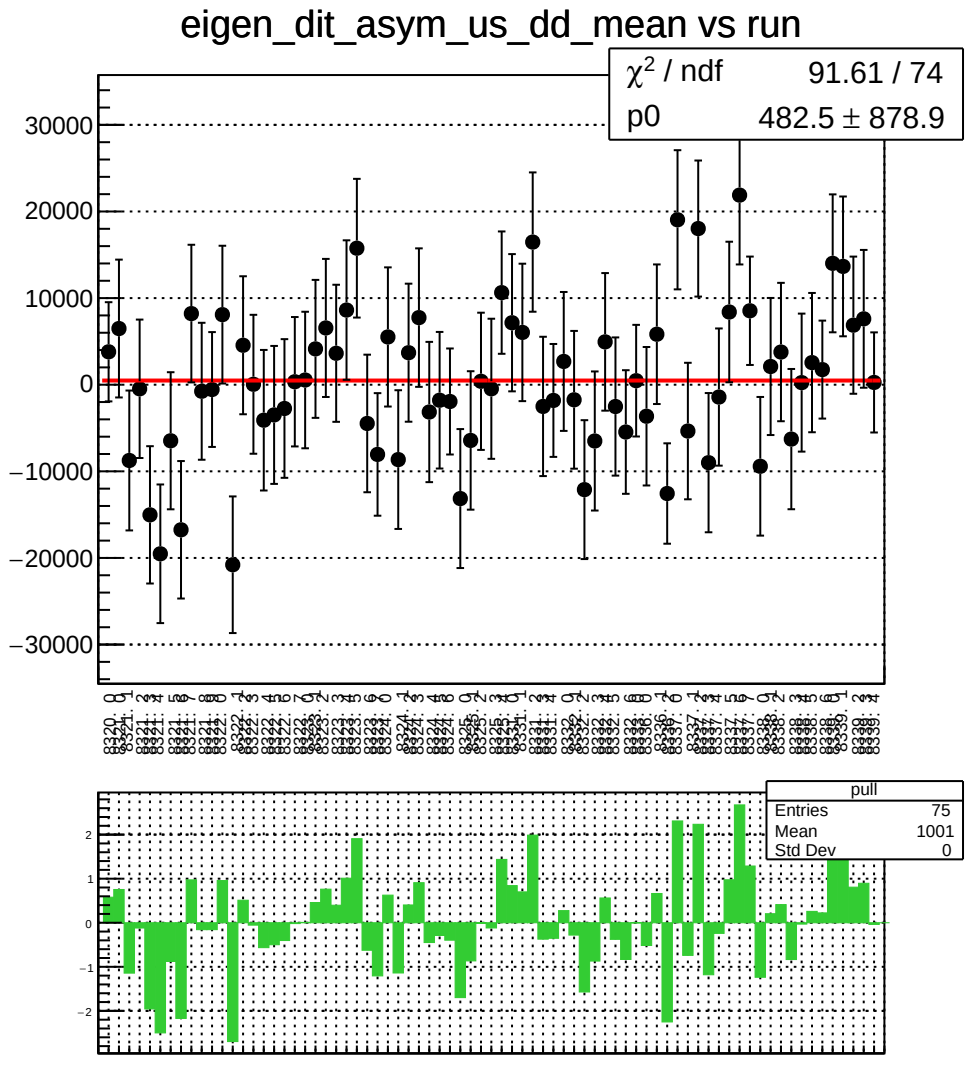
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

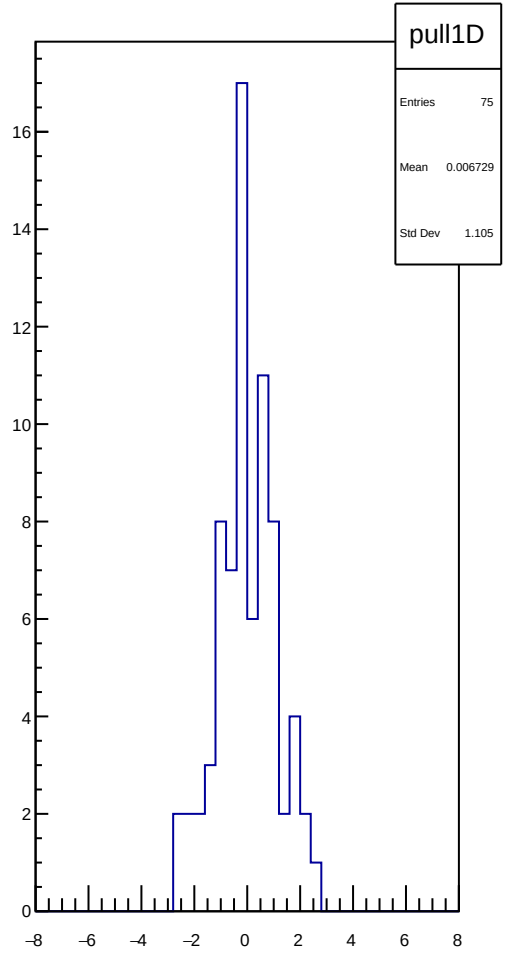

dit_asym_us_dd_rms vs run
χ² / ndf 86.32 / 74
p0 756.1 ± 0.6215
775
770
765
760
755
750
745
740

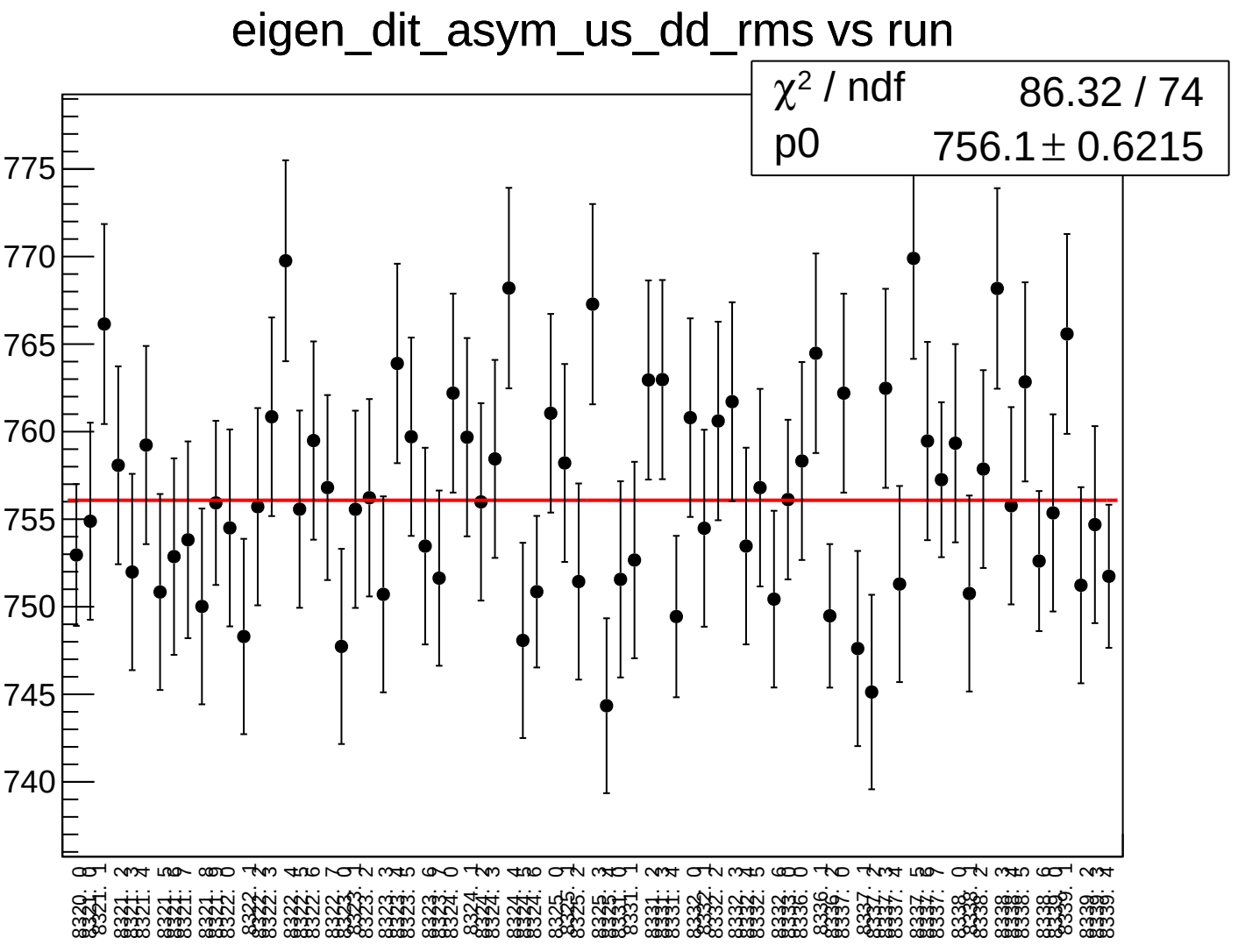

asym_us_dd_dit_correction_mean vs run
χ² / ndf 82.14 / 74
p0 −3774 ± 1447
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −74.89
Std Dev 0
2
1
0
−1
−2

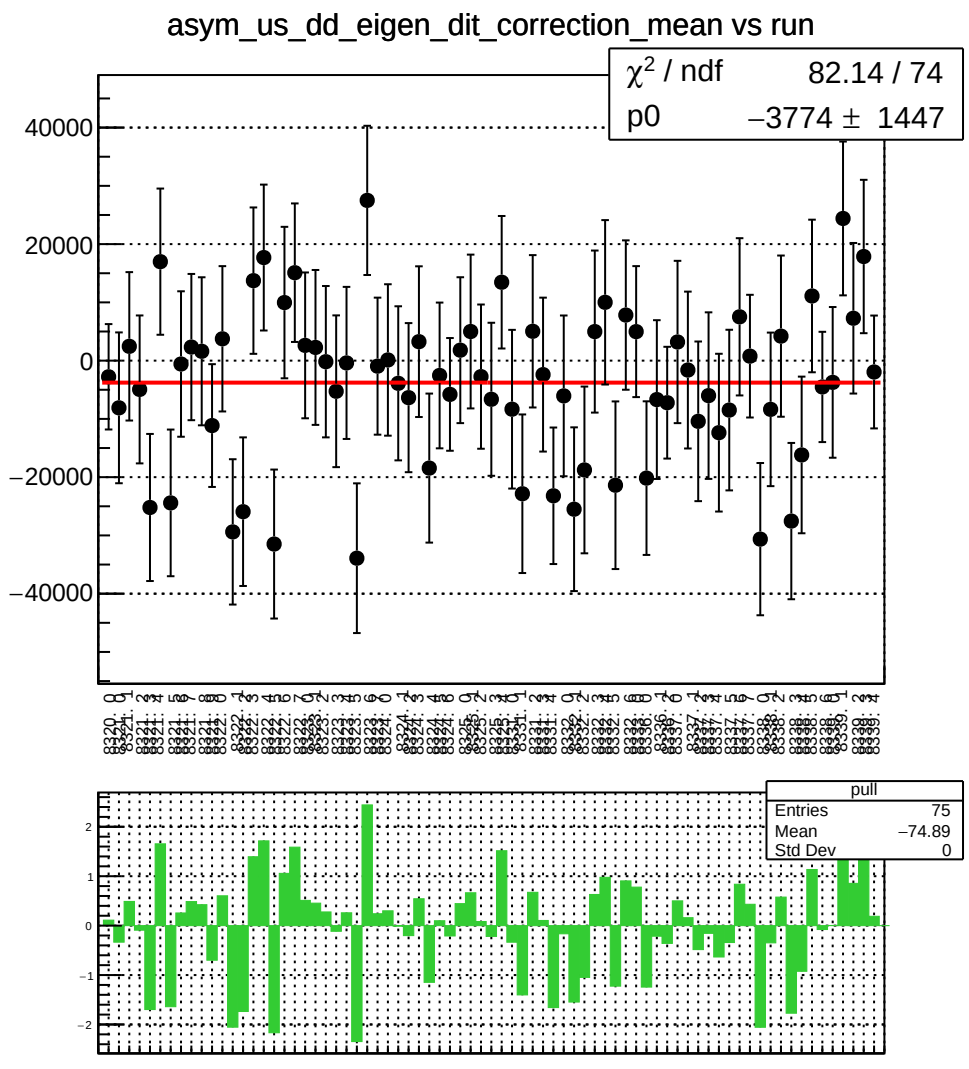

pull1D
Entries 75
Mean −0.006789
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

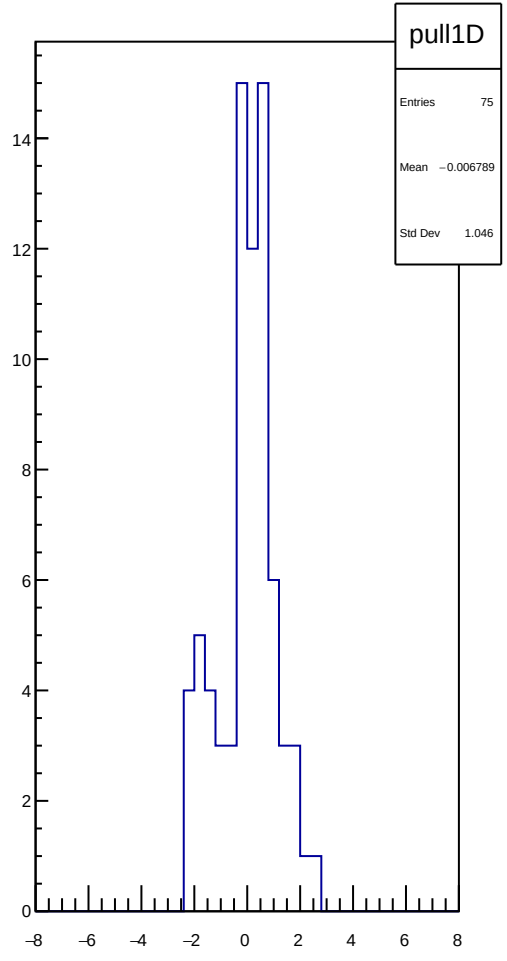

asym_us_dd_dit_correction_rms vs run
χ² / ndf 2305 / 74
p0 1244 ± 1.023
1350
1300
1250
1200
1150

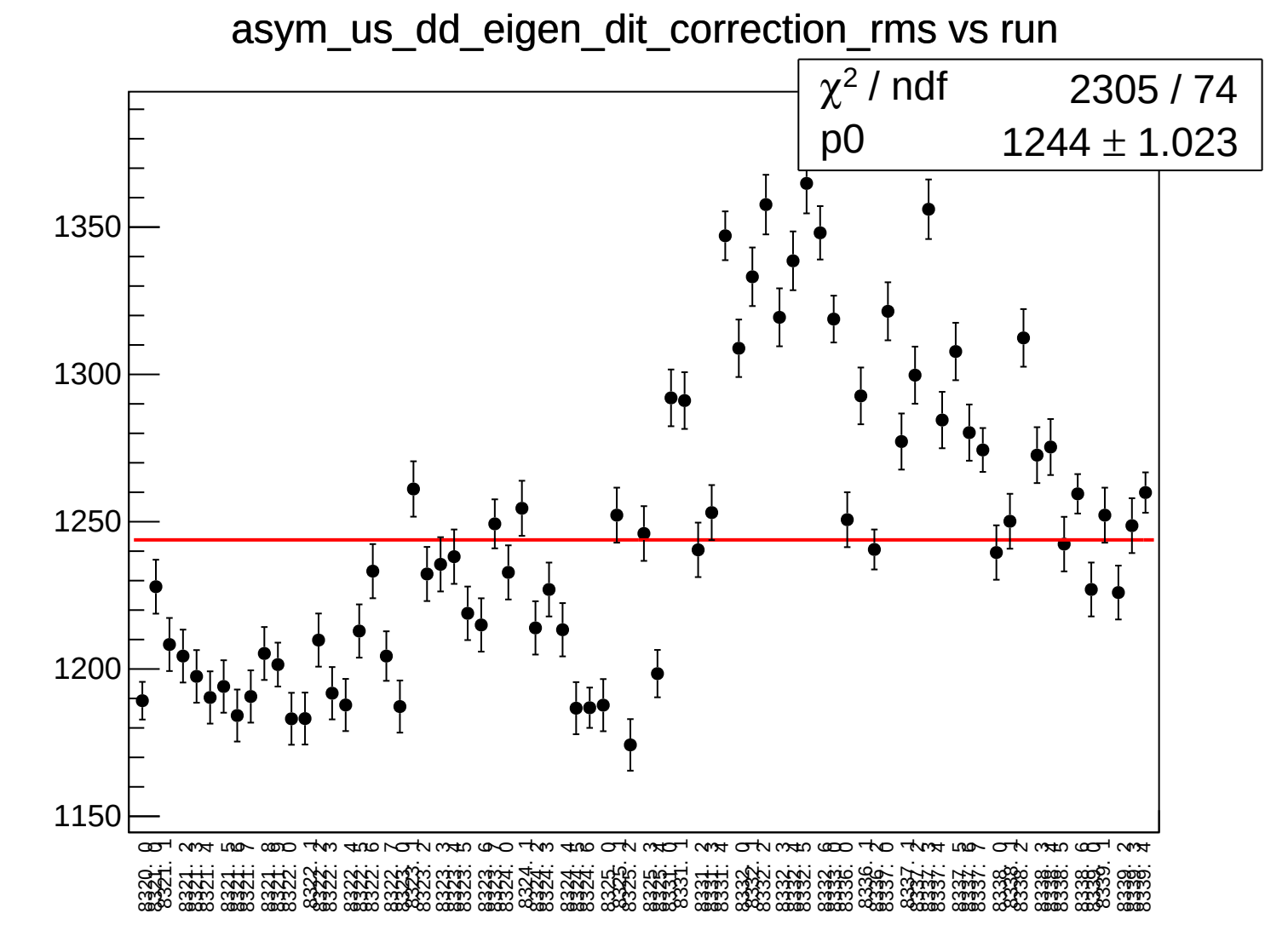

eigen_dit_asym_us_dd_mean vs run
χ^2 / ndf 91.61 / 74
p0 482.5 ± 878.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 1001
Std Dev 0
2
1
0
−1
−2

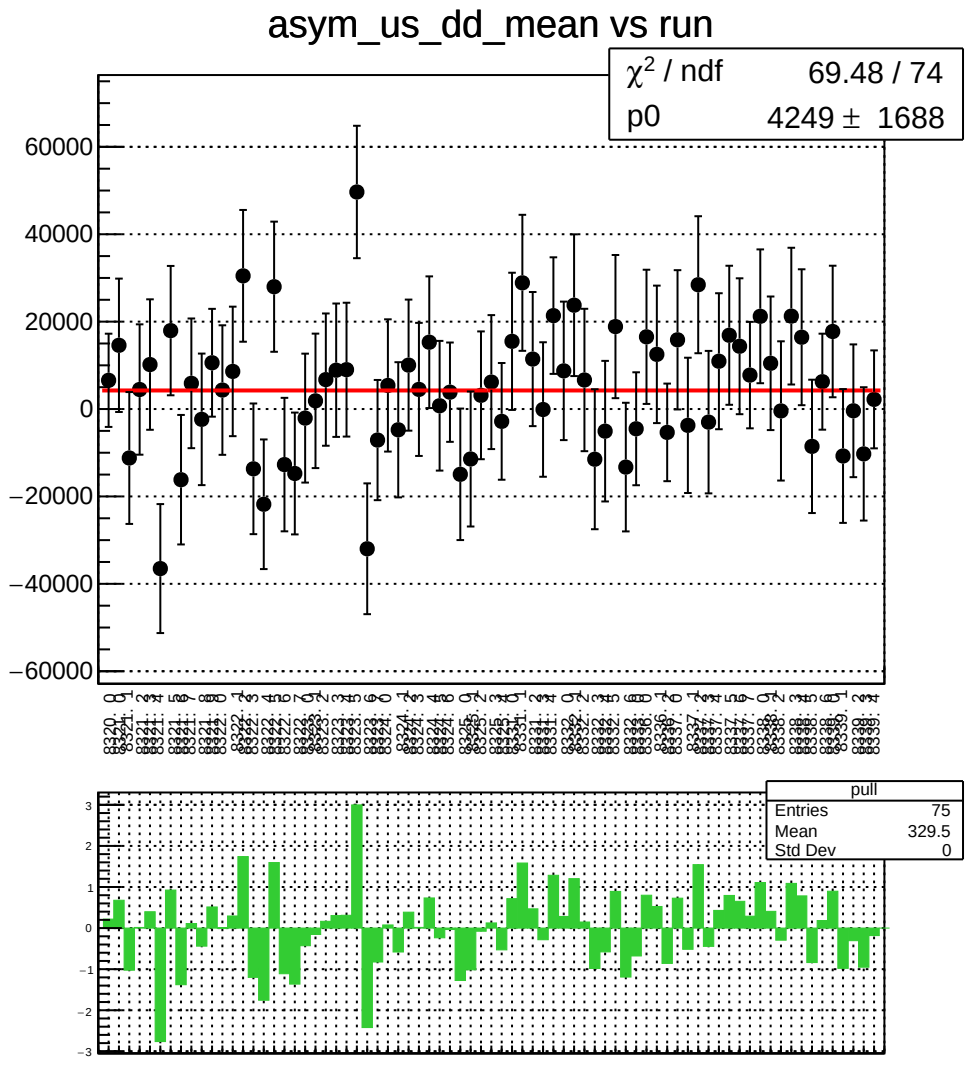

pull1D
Entries 75
Mean 0.006729
Std Dev 1.105
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

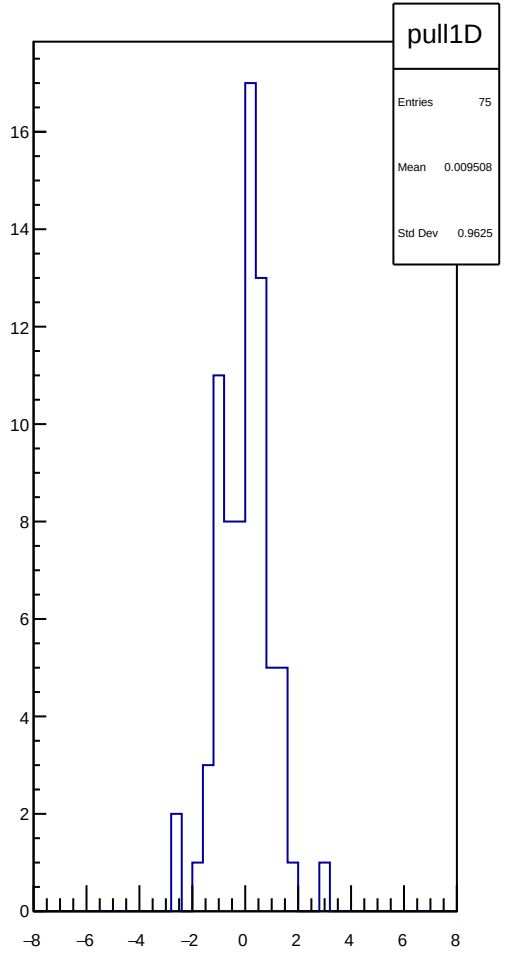

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 86.32 / 74
p0 756.1 ± 0.6215
775
770
765
760
755
750
745
740

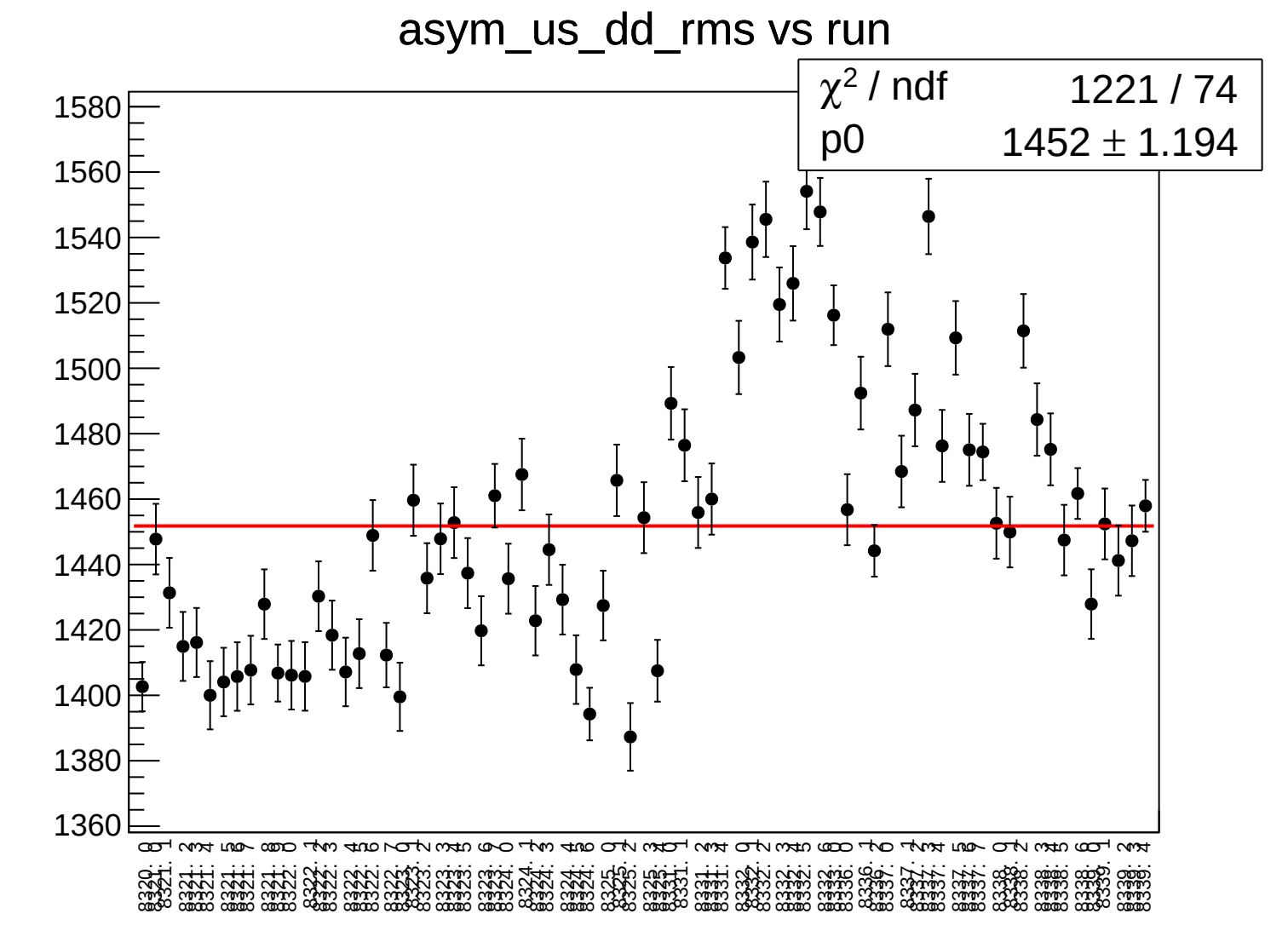

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 82.14 / 74
p0 −3774 ± 1447
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −74.89
Std Dev 0
2
1
0
−1
−2

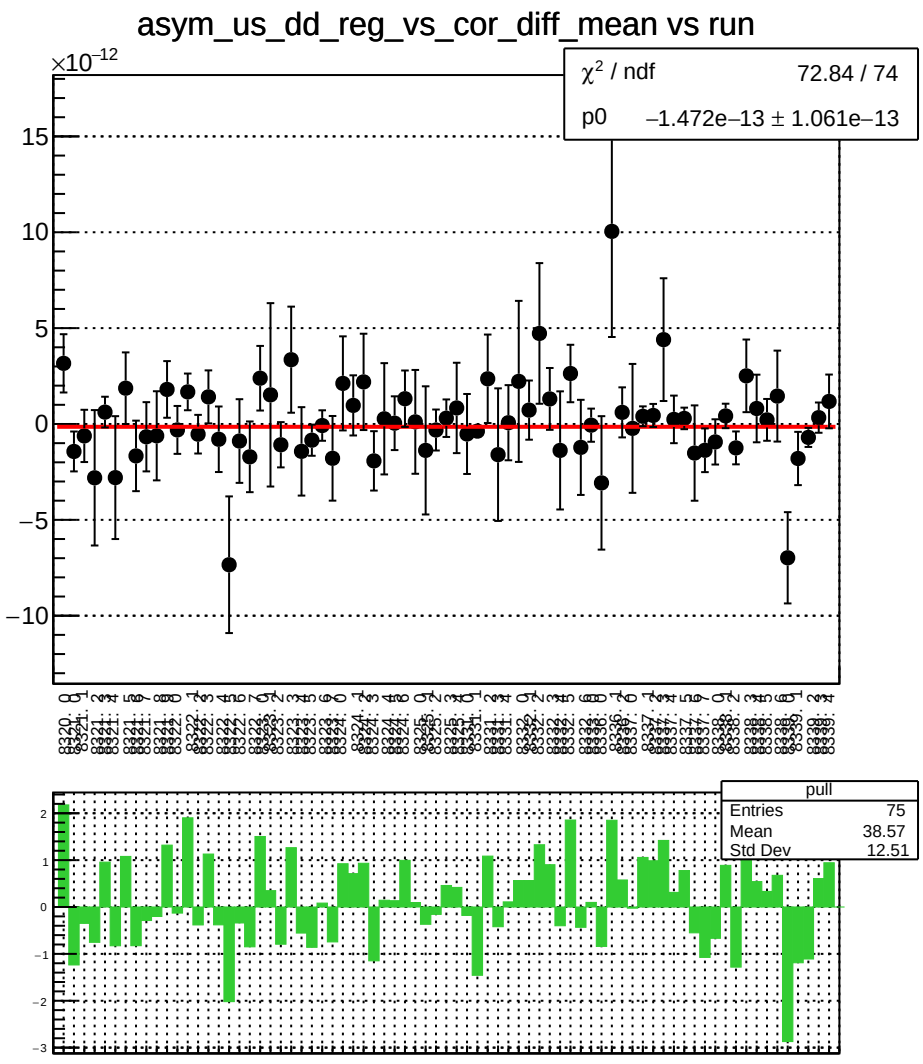

pull1D
Entries 75
Mean −0.006789
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

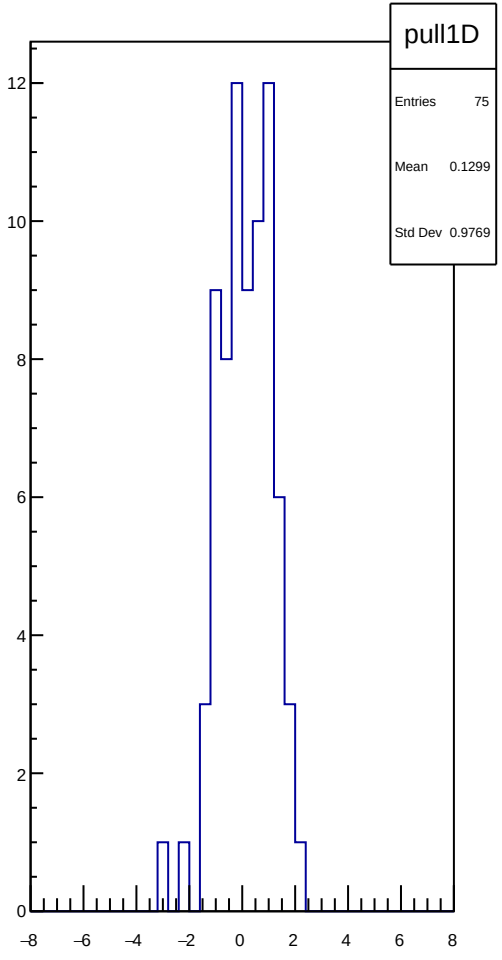

asym_us_dd_eigen_dit_correction_rms vs run
χ^2 / ndf 2305 / 74
p0 1244 ± 1.023
1350
1300
1250
1200
1150

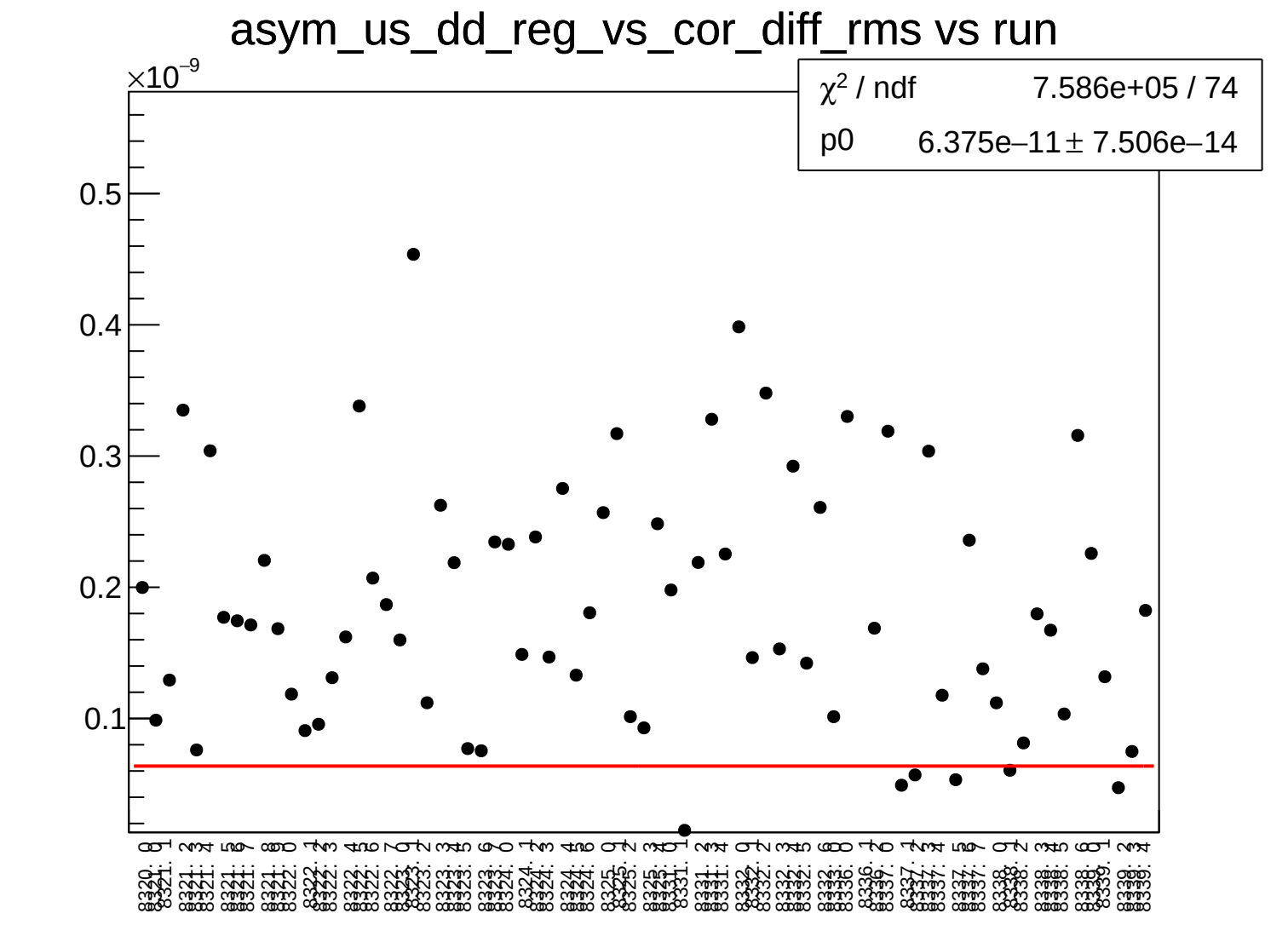

asym_us_dd_mean vs run
χ² / ndf 69.48 / 74
p0 4249 ± 1688
pull
Entries 75
Mean 329.5
Std Dev 0

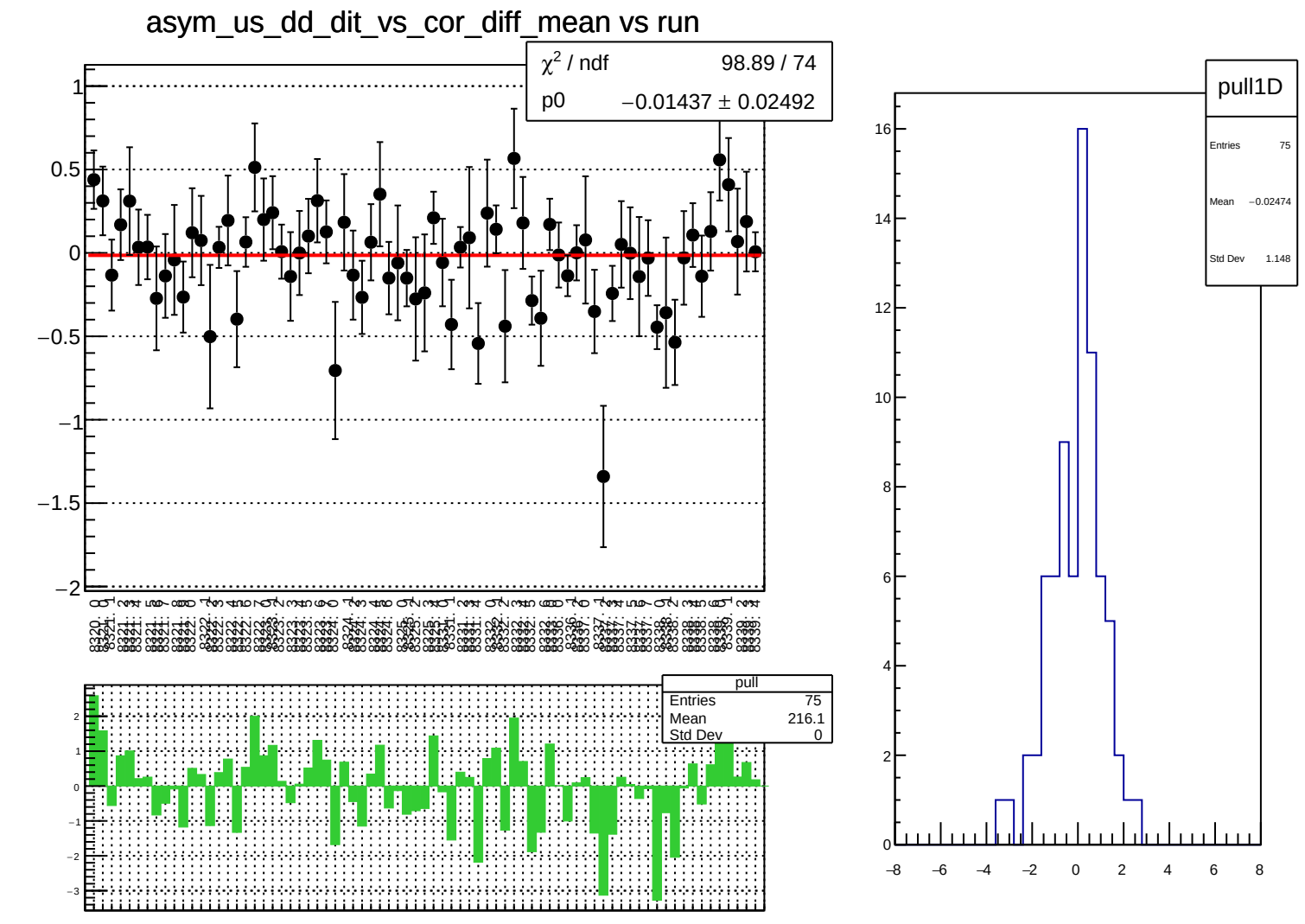

pull1D
Entries 75
Mean 0.009508
Std Dev 0.9625

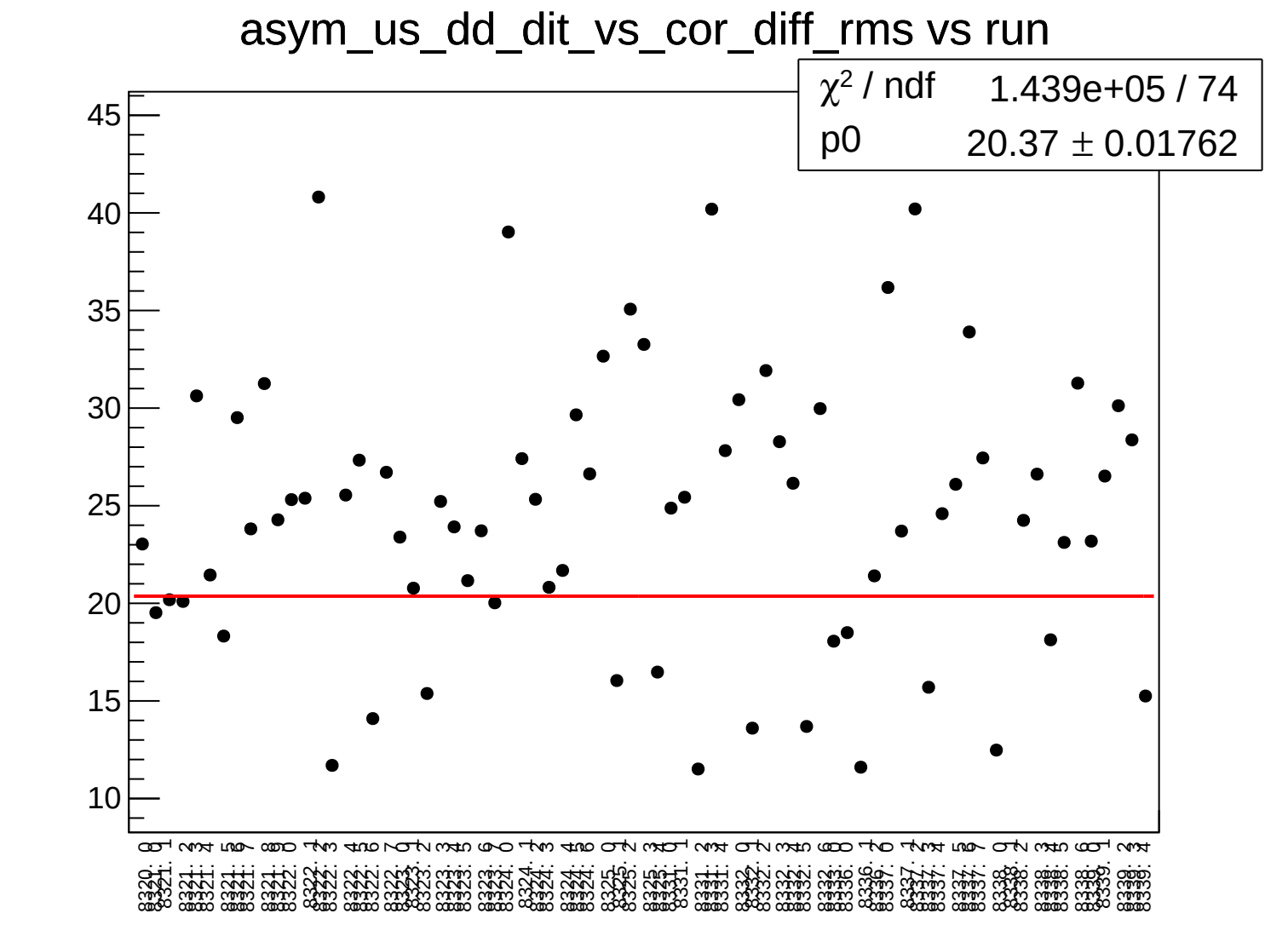

asym_us_dd_rms vs run
χ² / ndf 1221 / 74
p0 1452 ± 1.194
1580
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360

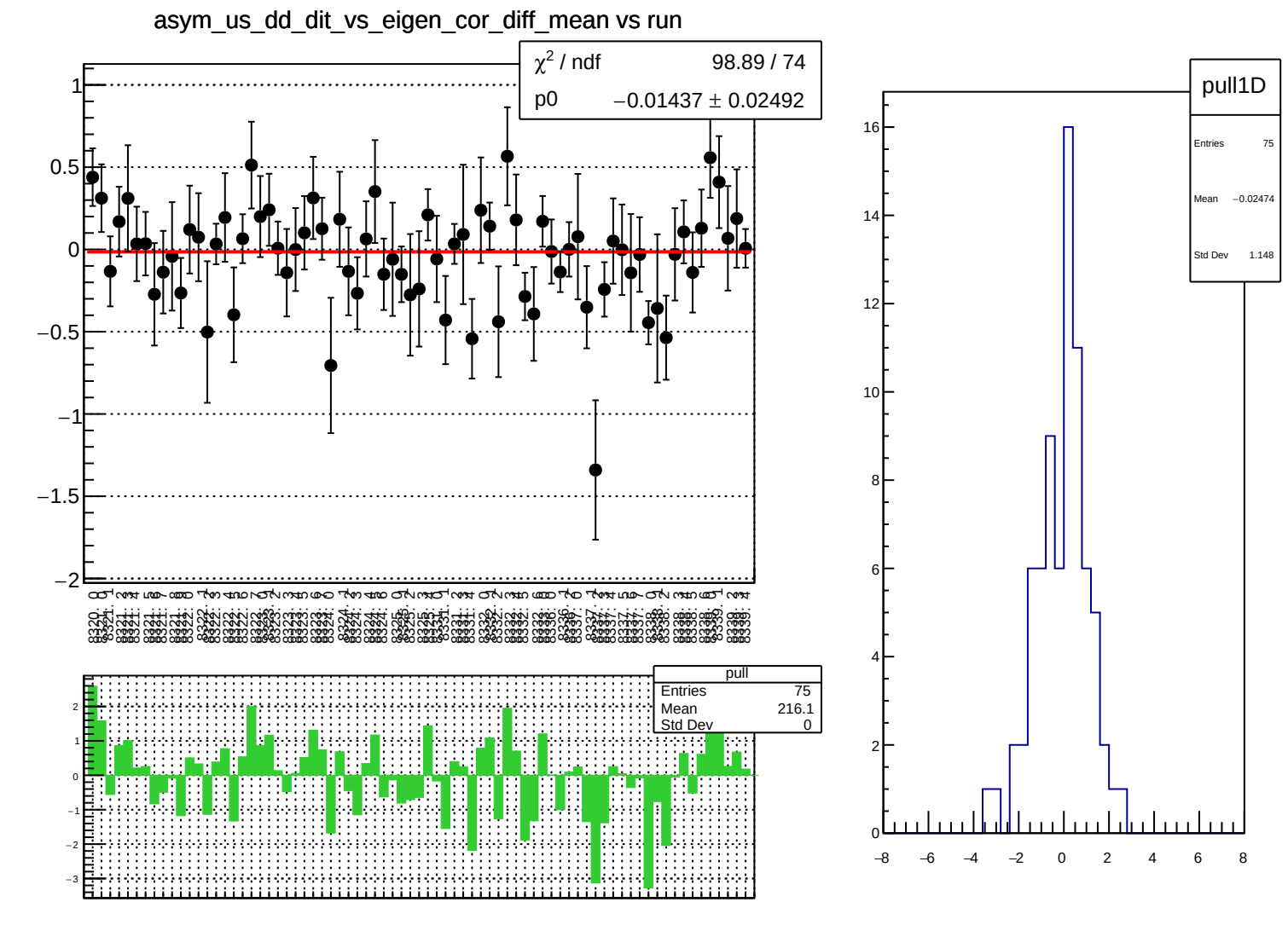

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.84 / 74
p0 −1.472e−13 ± 1.061e−13
pull
Entries 75
Mean 38.57
Std Dev 12.51

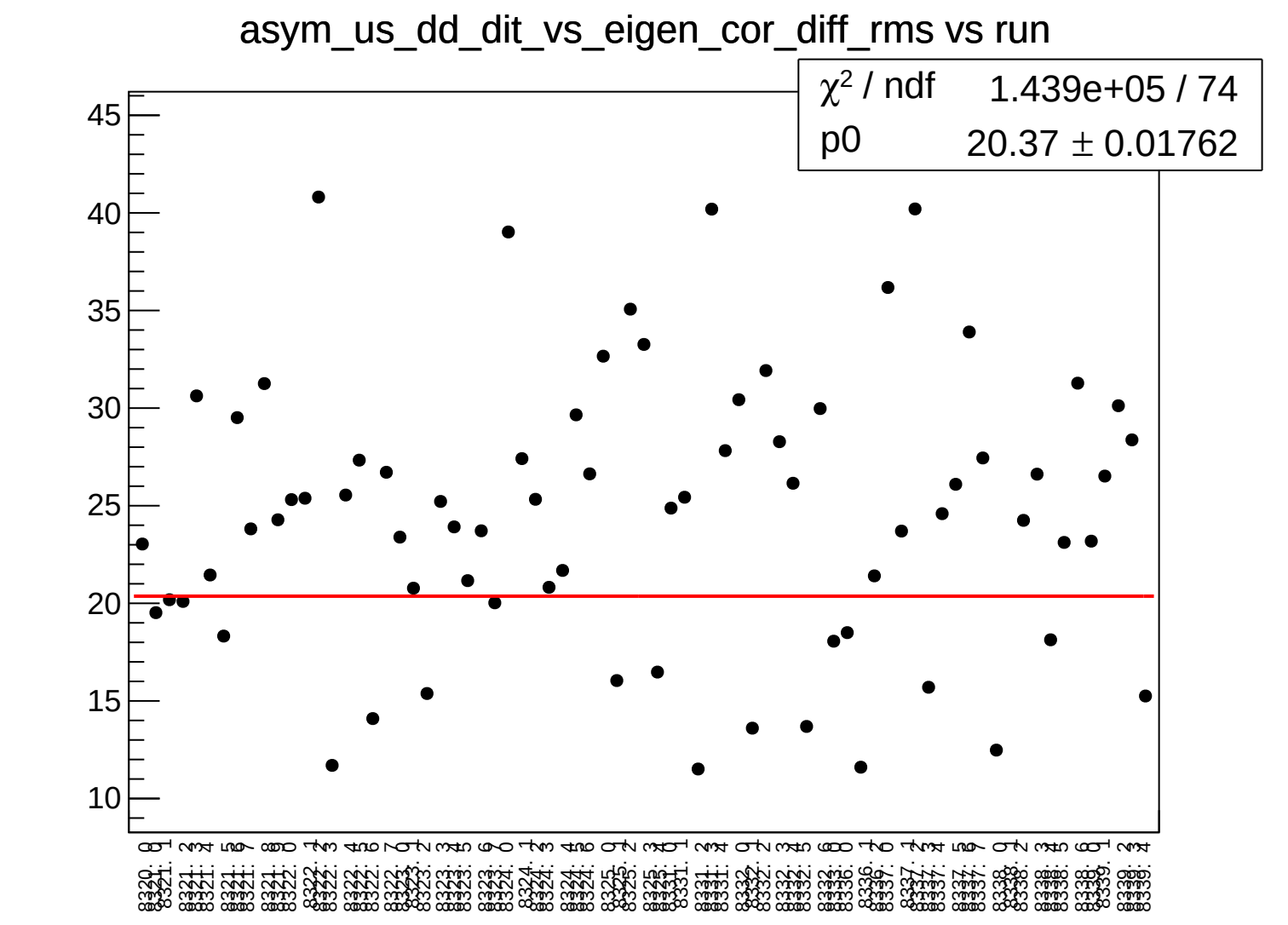

pull1D
Entries 75
Mean 0.1299
Std Dev 0.9769

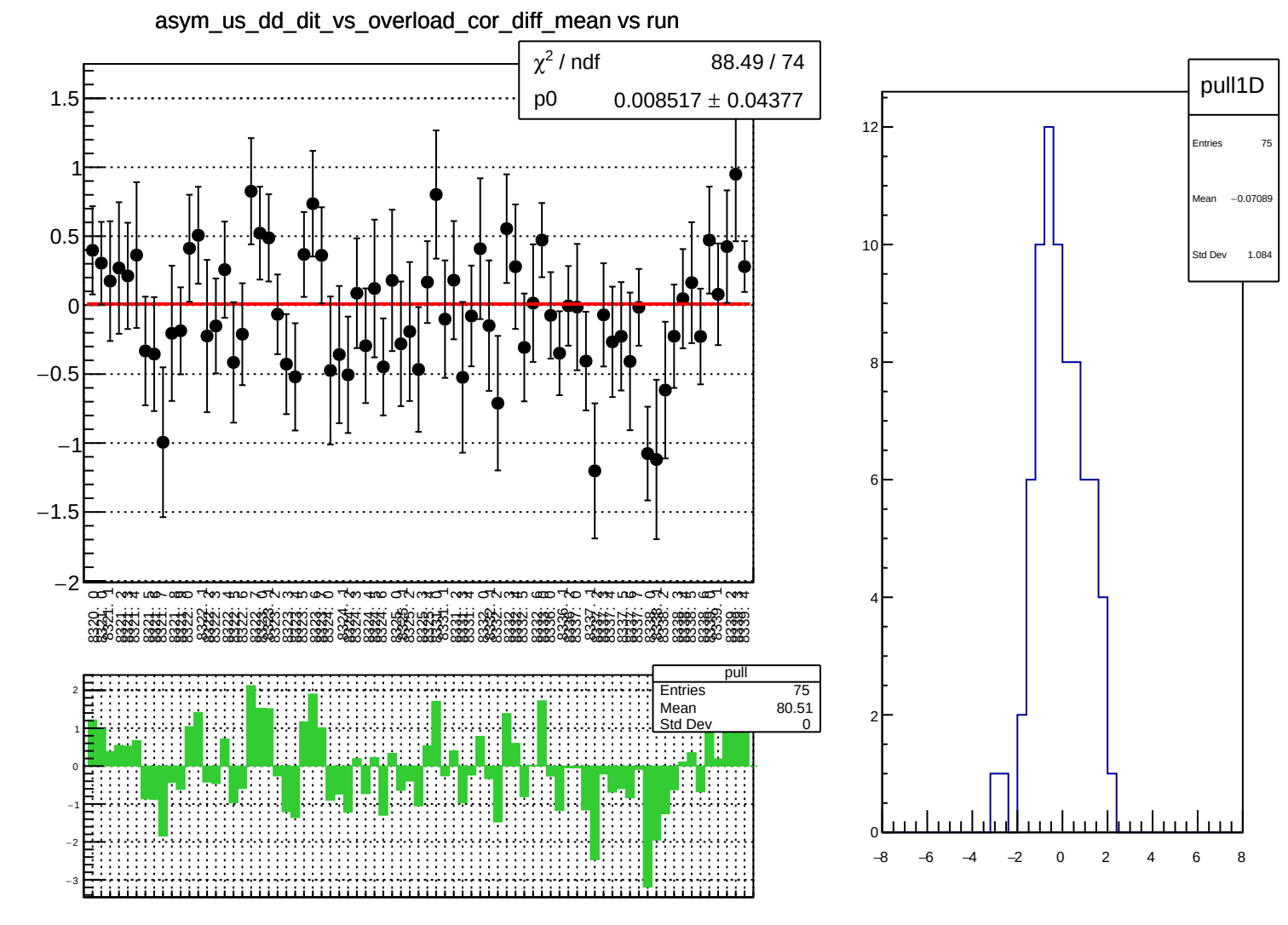

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.586e+05 / 74
p0 6.375e−11 ± 7.506e−14
0.5
0.4
0.3
0.2
0.1

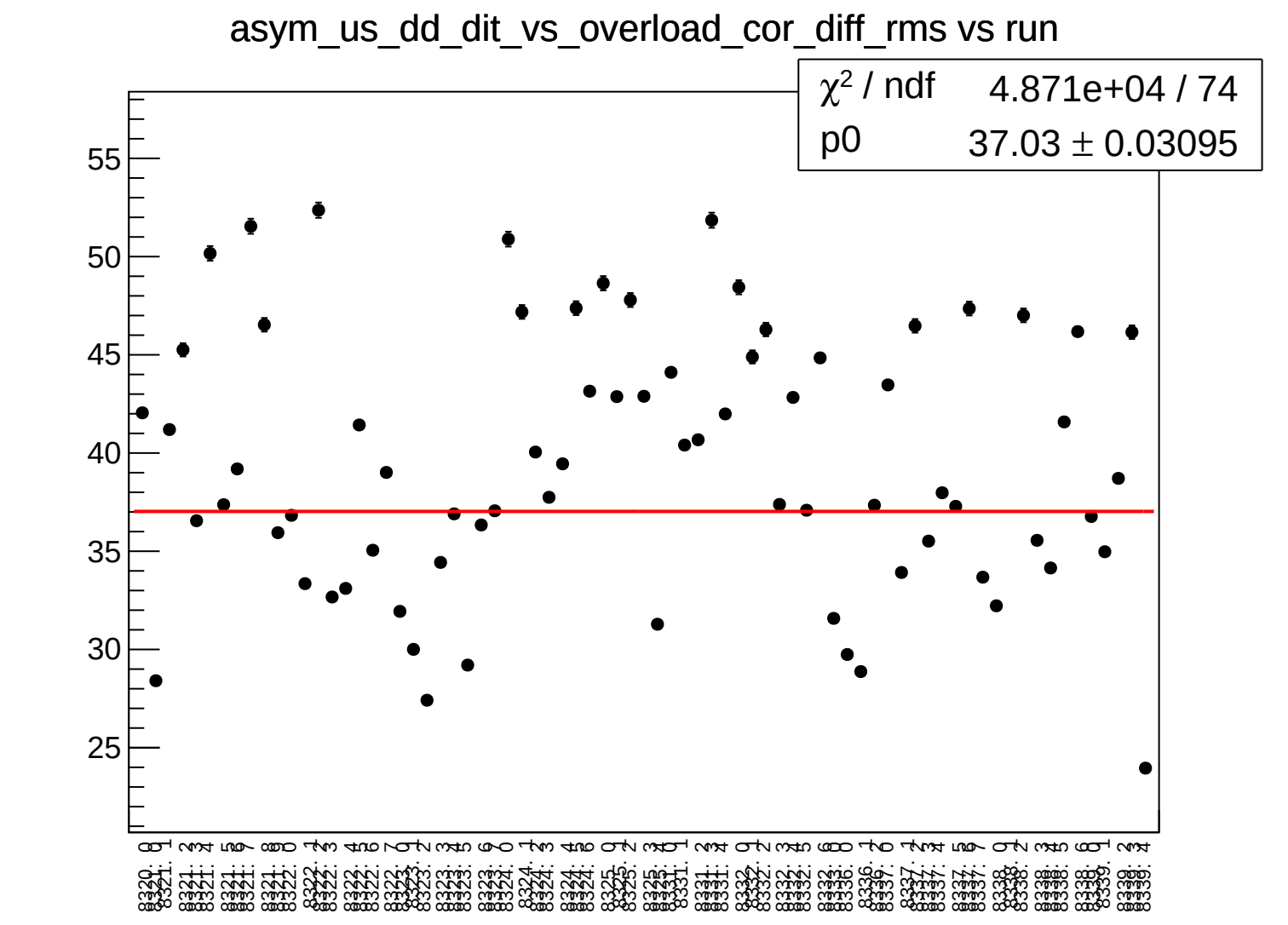

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 98.89 / 74
p0 −0.01437 ± 0.02492
pull
Entries 75
Mean 216.1
Std Dev 0
pull1D
Entries 75
Mean −0.02474
Std Dev 1.148

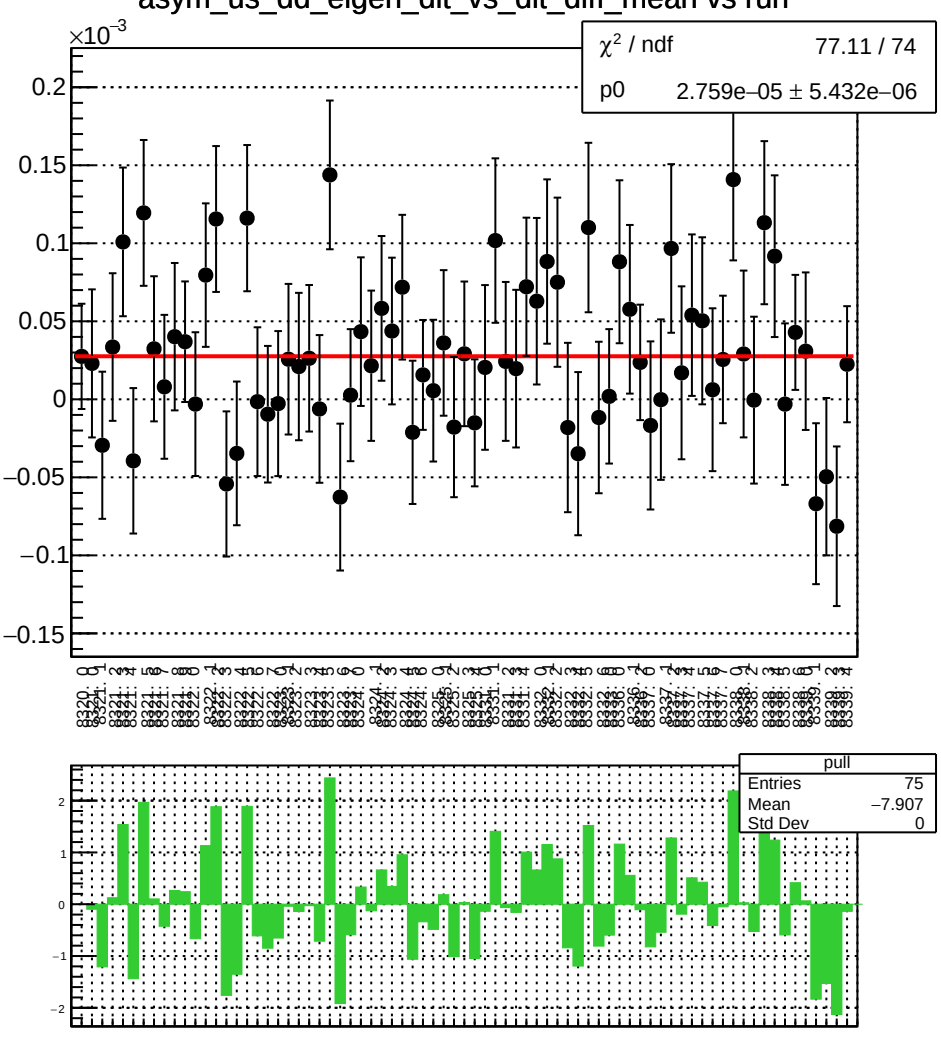

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.439e+05 / 74
p0 20.37 ± 0.01762
45
40
35
30
25
20
15
10

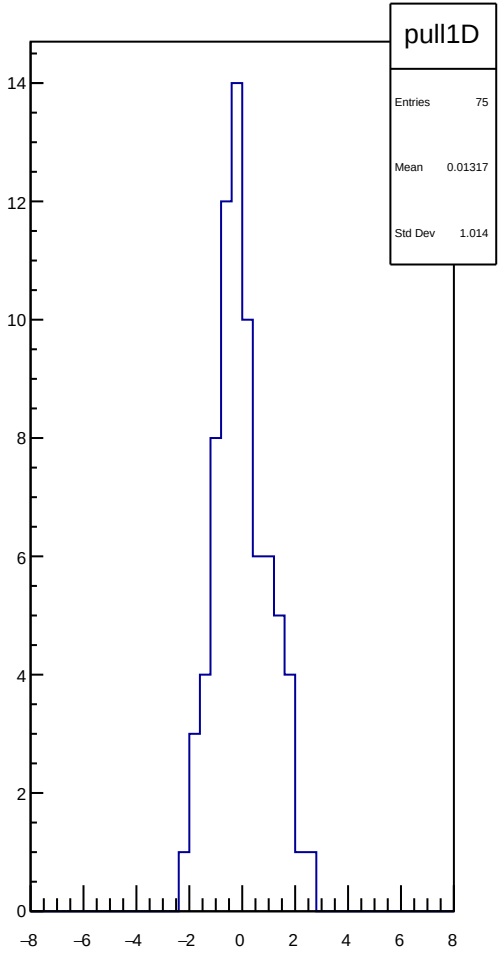

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.89 / 74
p0 −0.01437 ± 0.02492
pull
Entries 75
Mean 216.1
Std Dev 0
pull1D
Entries 75
Mean −0.02474
Std Dev 1.148

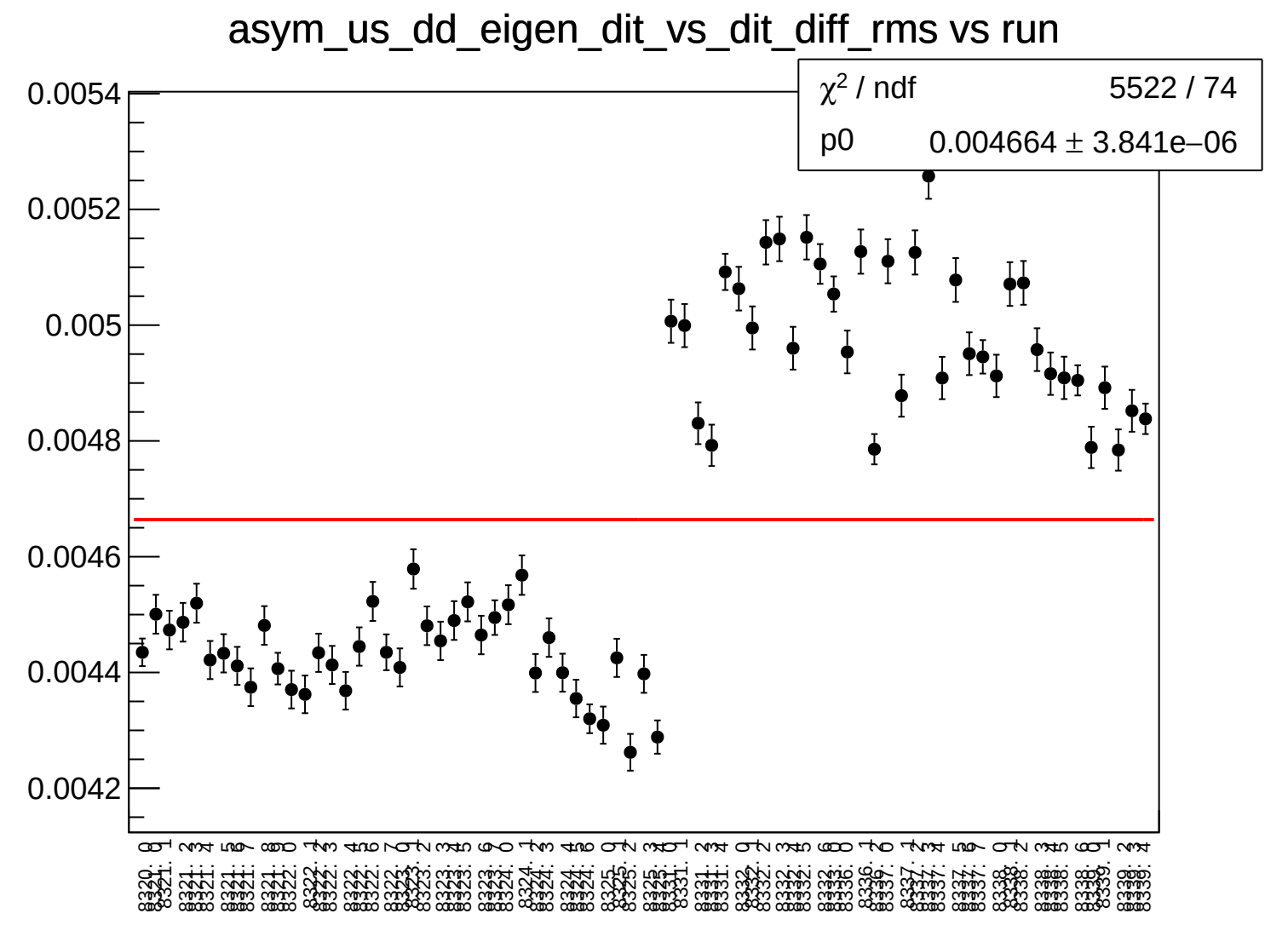

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.439e+05 / 74
p0 20.37 ± 0.01762
45
40
35
30
25
20
15
10

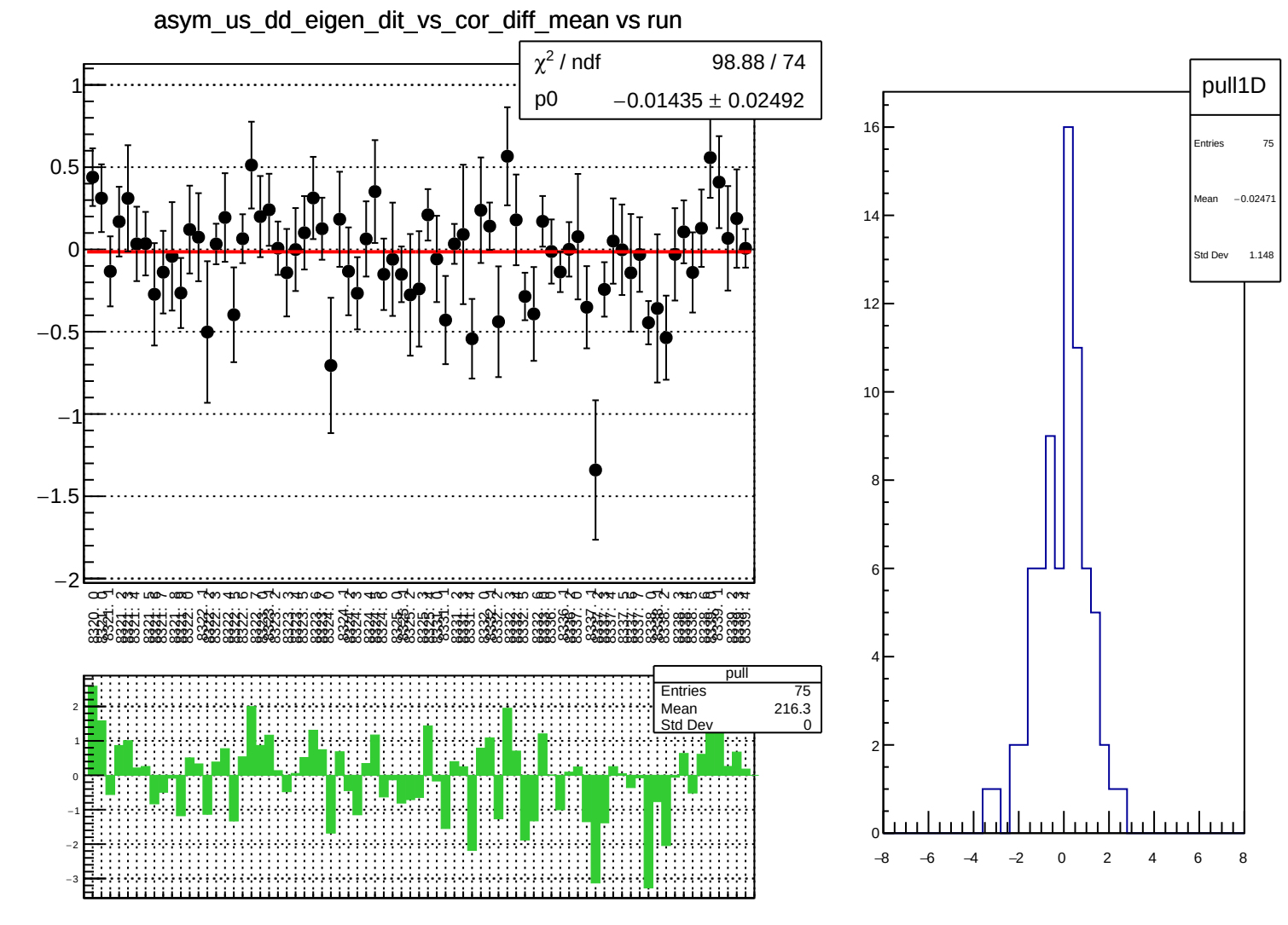

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 88.49 / 74
p0 0.008517 ± 0.04377
pull
Entries 75
Mean 80.51
Std Dev 0
pull1D
Entries 75
Mean −0.07089
Std Dev 1.084

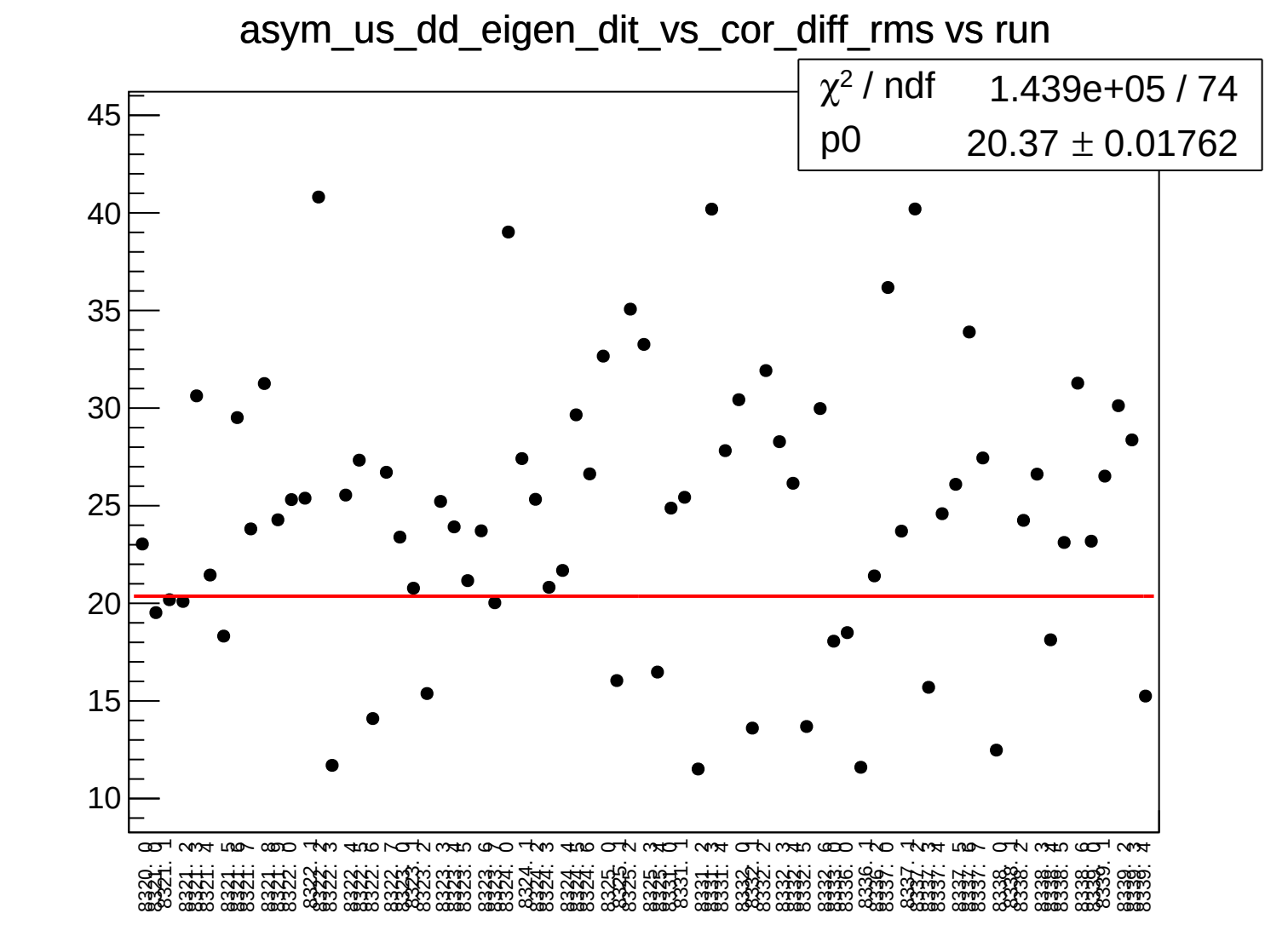

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.871e+04 / 74
p0 37.03 ± 0.03095
55
50
45
40
35
30
25

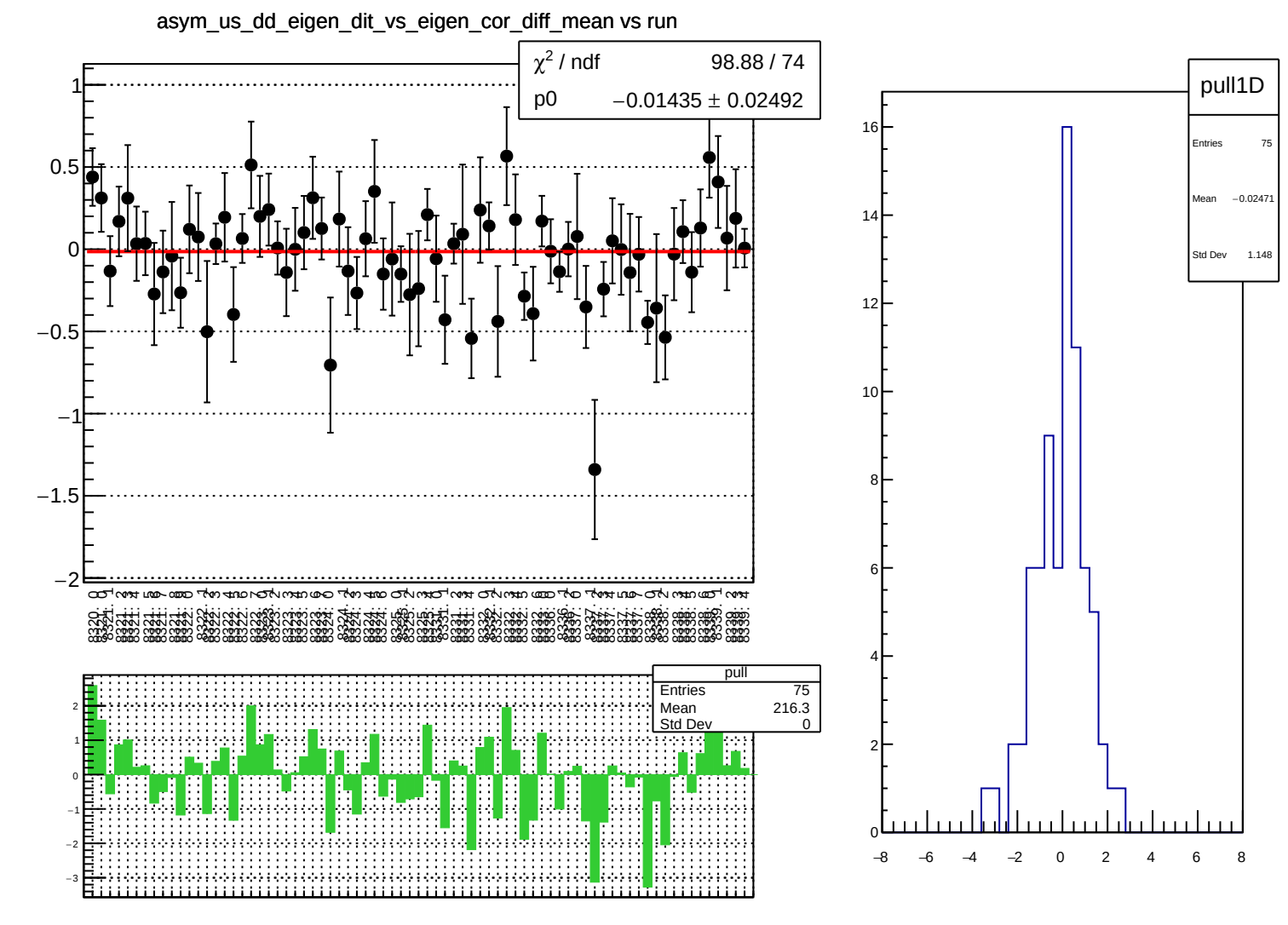

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.11 / 74
p0 2.759e−05 ± 5.432e−06
pull
Entries 75
Mean −7.907
Std Dev 0

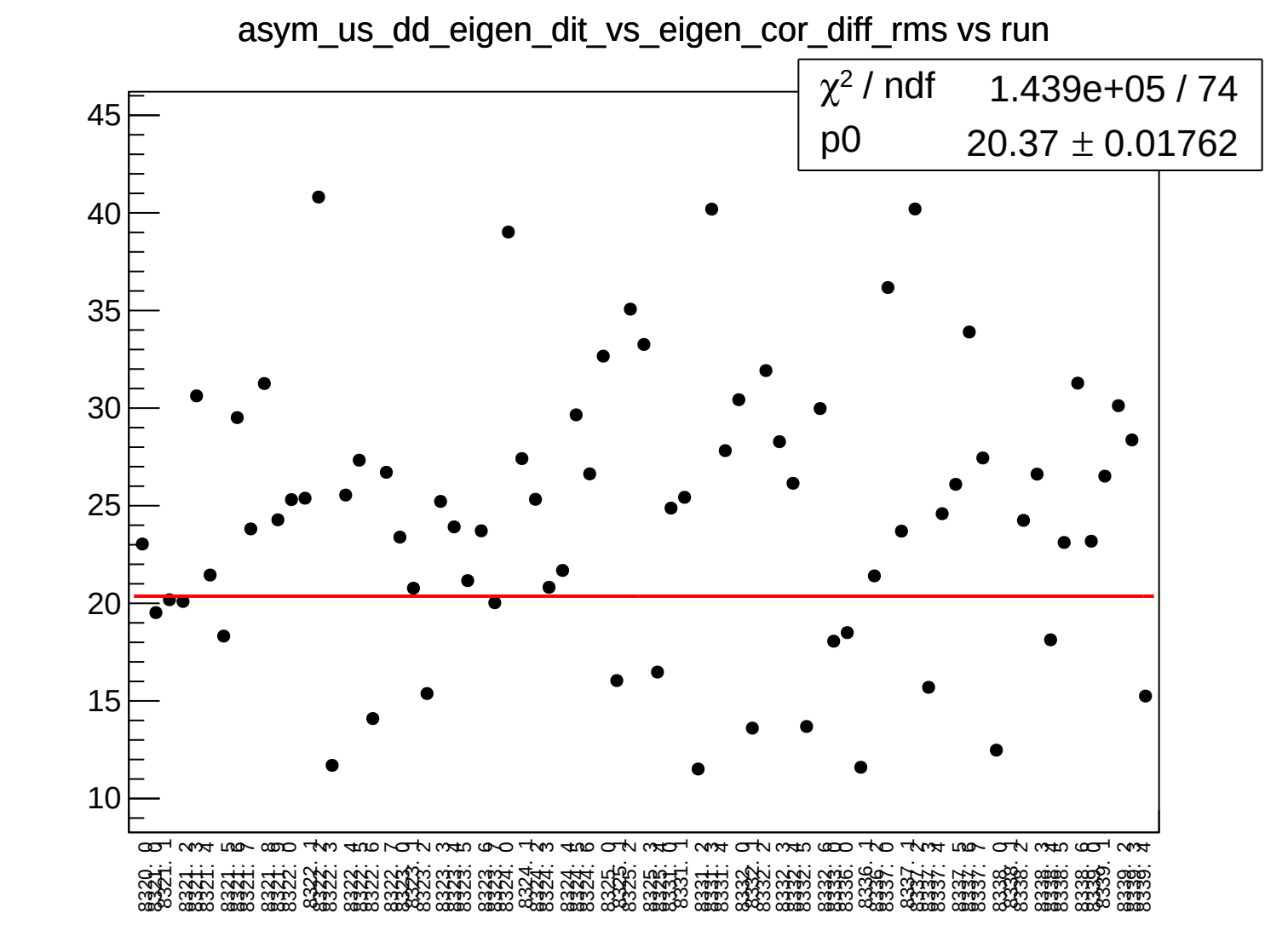

pull1D
Entries 75
Mean 0.01317
Std Dev 1.014

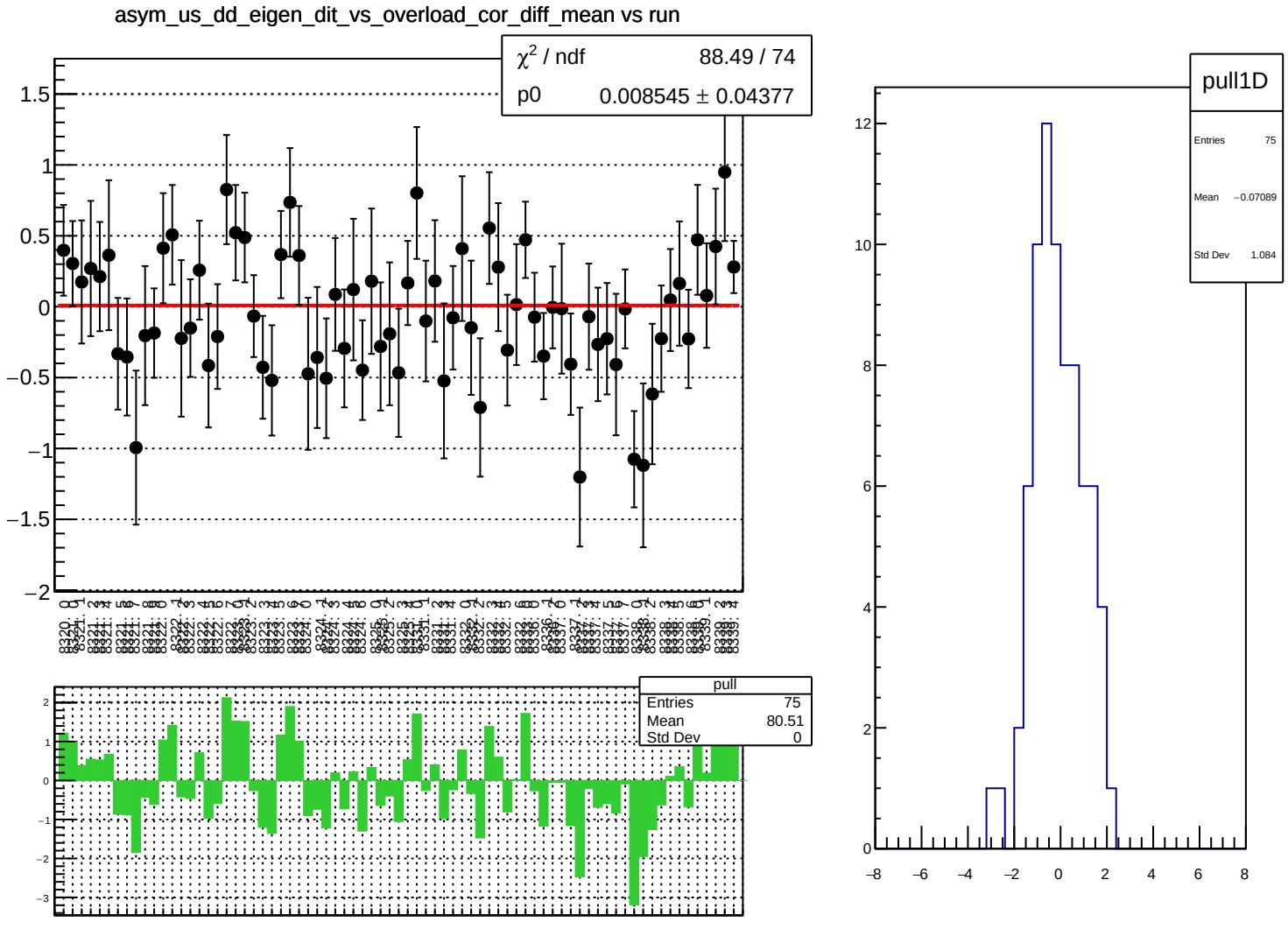

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5522 / 74
p0 0.004664 ± 3.841e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042

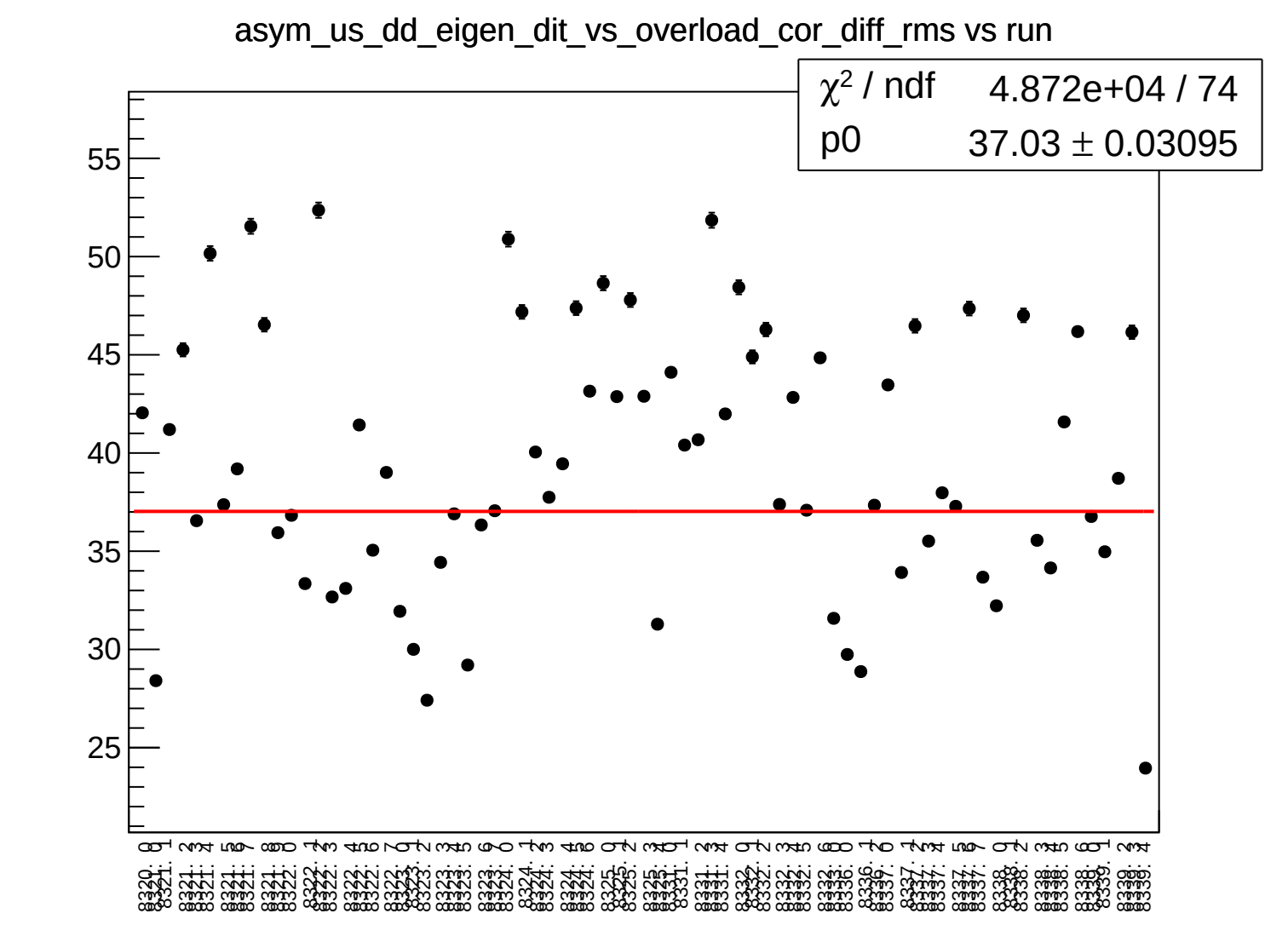

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 98.88 / 74
p0 −0.01435 ± 0.02492
pull
Entries 75
Mean 216.3
Std Dev 0
pull1D
Entries 75
Mean −0.02471
Std Dev 1.148

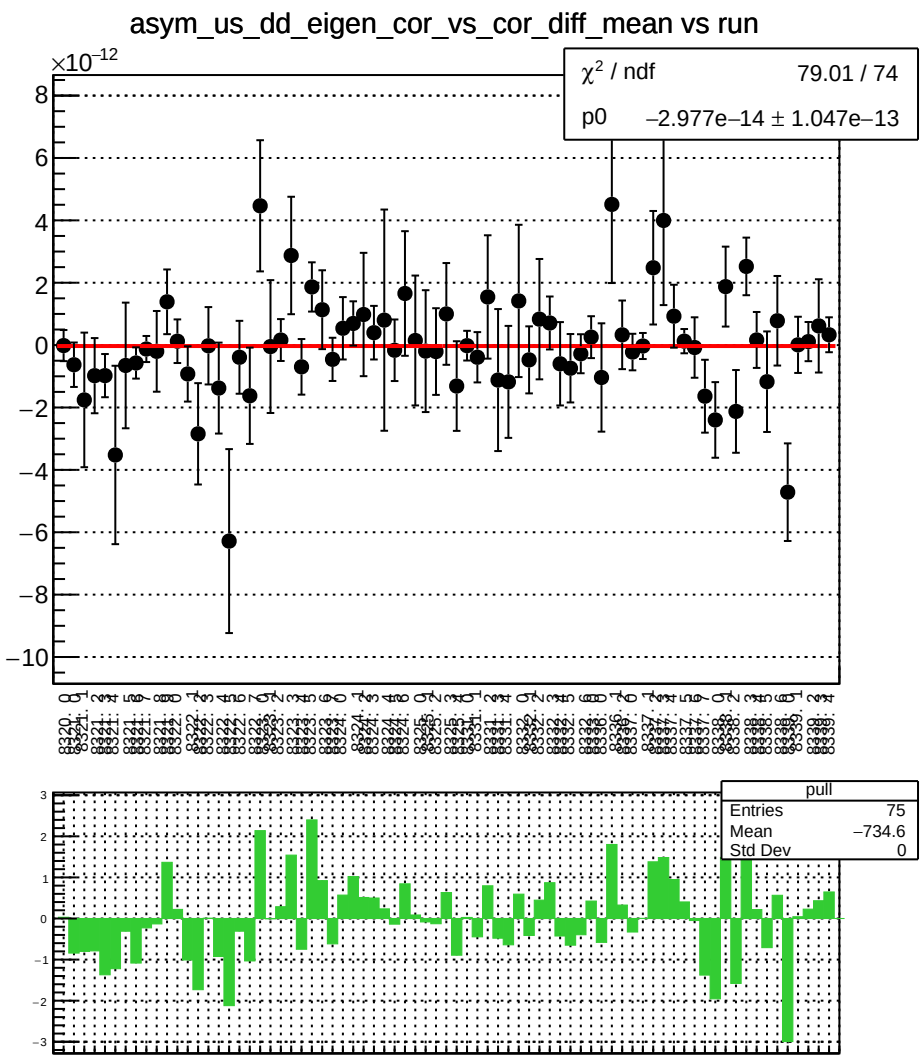

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.439e+05 / 74
p0 20.37 ± 0.01762
45
40
35
30
25
20
15
10

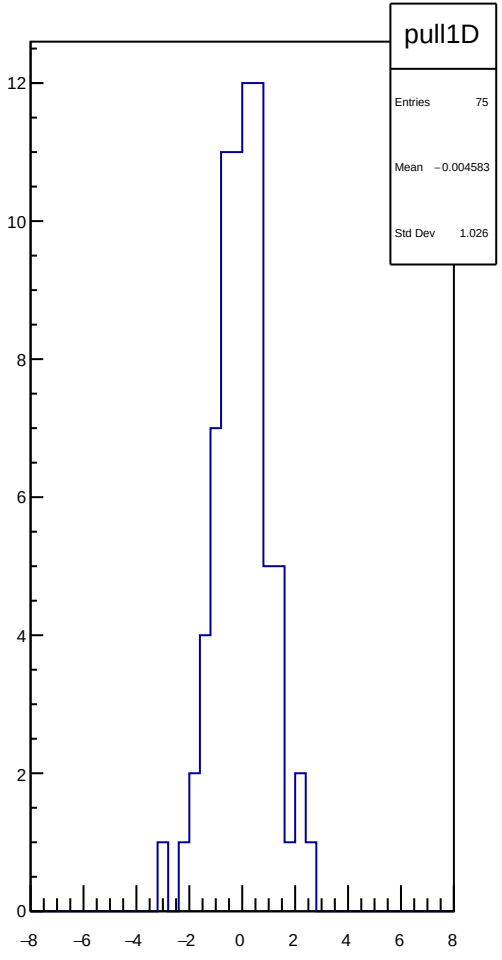

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 98.88 / 74
p0 −0.01435 ± 0.02492
pull
Entries 75
Mean 216.3
Std Dev 0
pull1D
Entries 75
Mean −0.02471
Std Dev 1.148

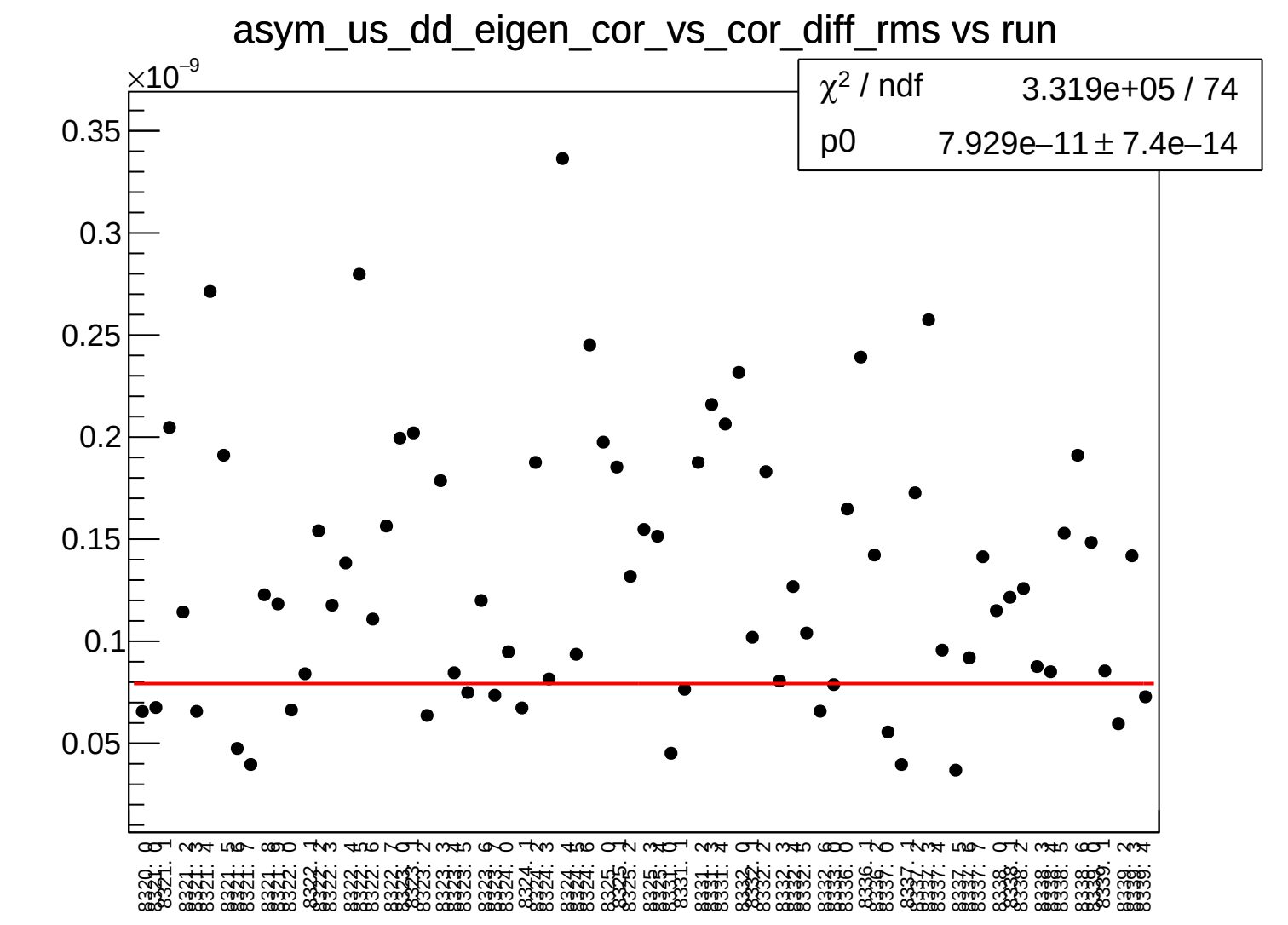

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.439e+05 / 74
p0 20.37 ± 0.01762
45
40
35
30
25
20
15
10

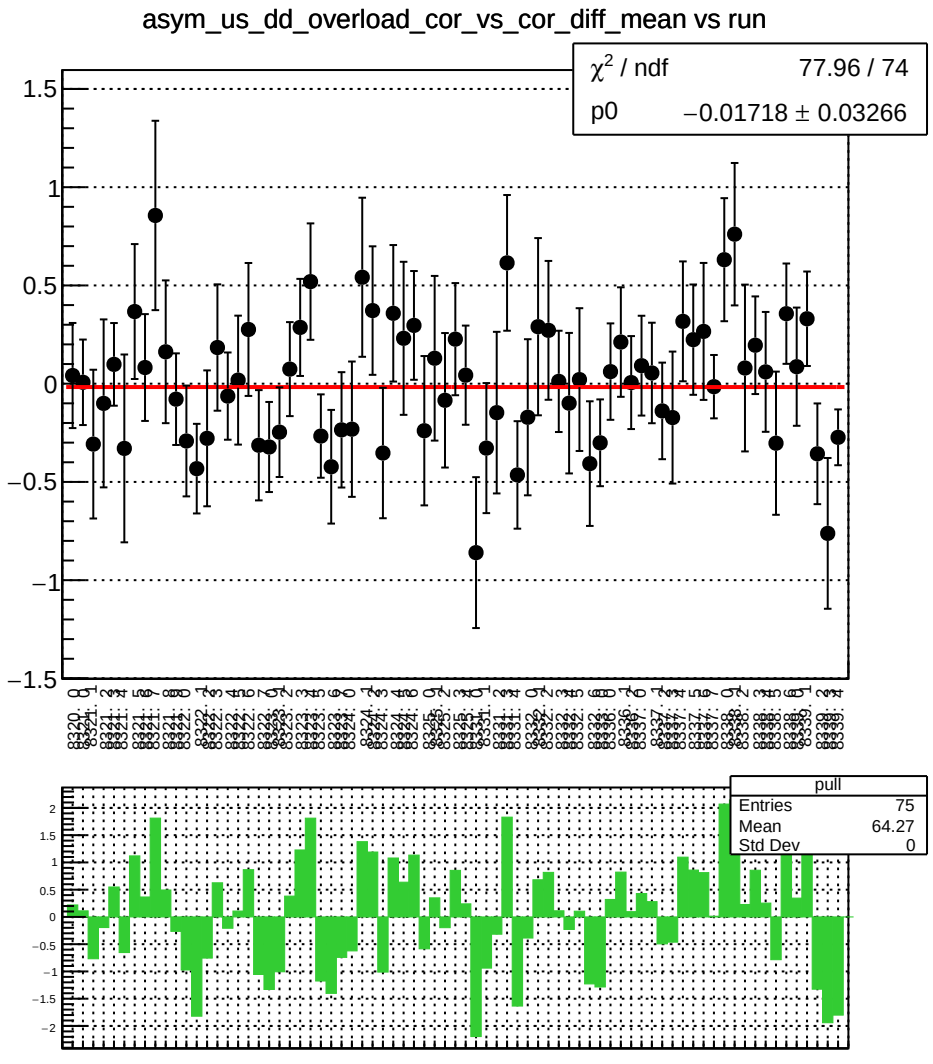

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 88.49 / 74
p0 0.008545 ± 0.04377
pull
Entries 75
Mean 80.51
Std Dev 0
pull1D
Entries 75
Mean −0.07089
Std Dev 1.084

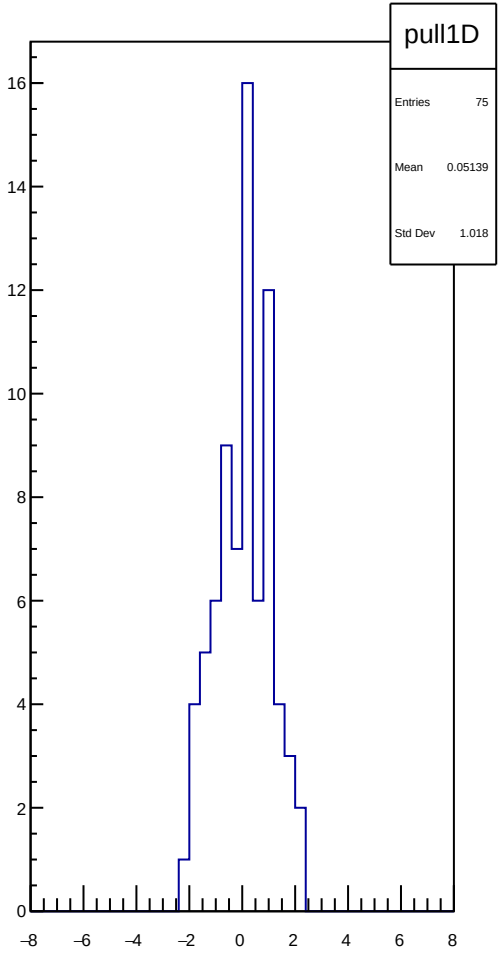

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.872e+04 / 74
p0 37.03 ± 0.03095
55
50
45
40
35
30
25

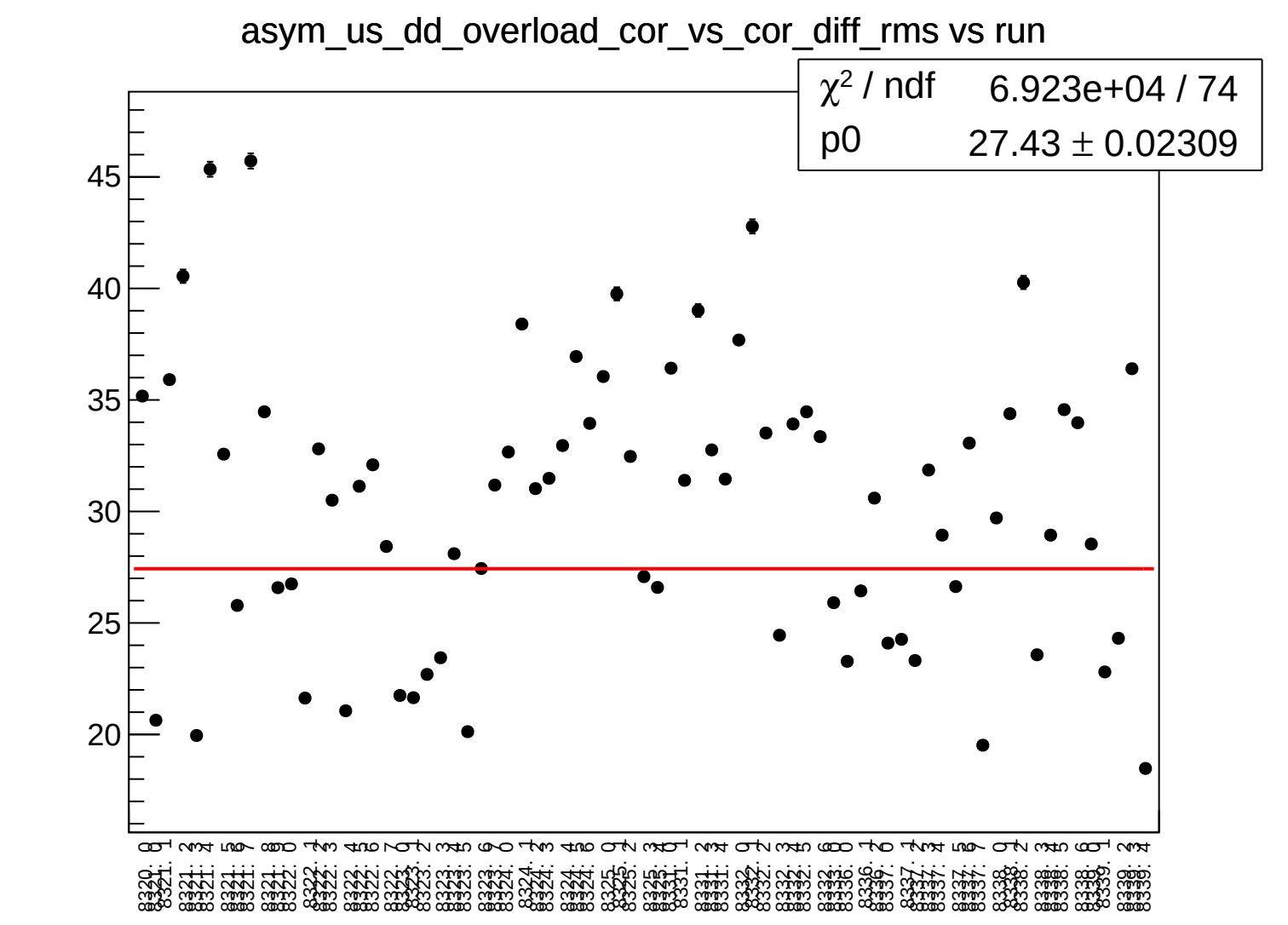

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.01 / 74
p0 −2.977e−14 ± 1.047e−13
pull
Entries 75
Mean −734.6
Std Dev 0

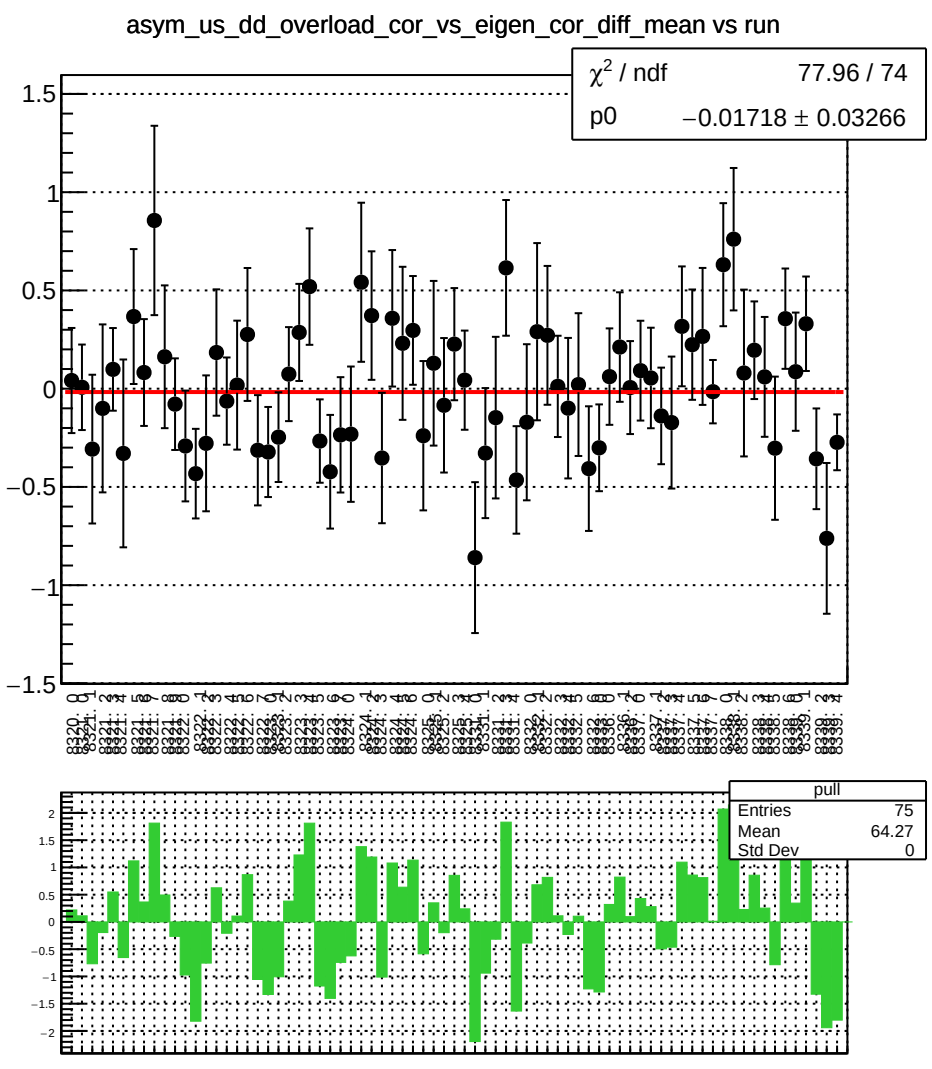

pull1D
Entries 75
Mean −0.004583
Std Dev 1.026

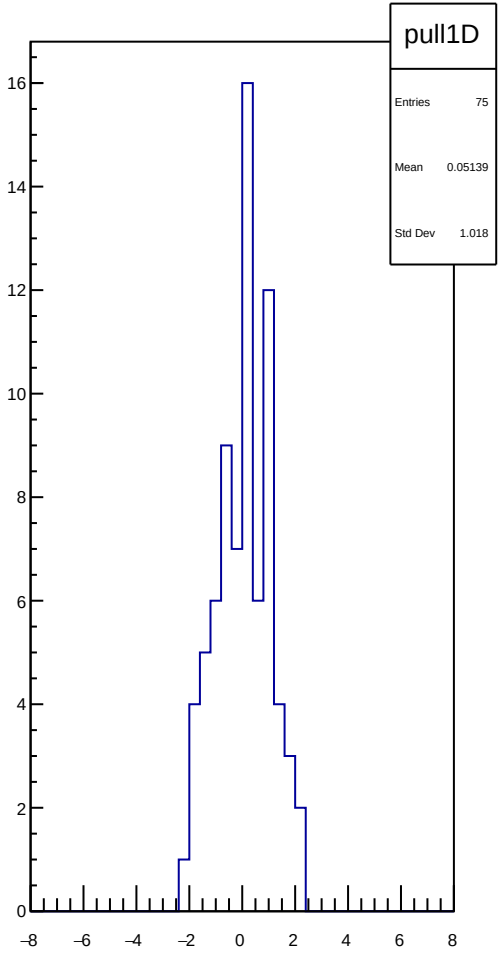

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.319e+05 / 74
p0 7.929e−11 ± 7.4e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

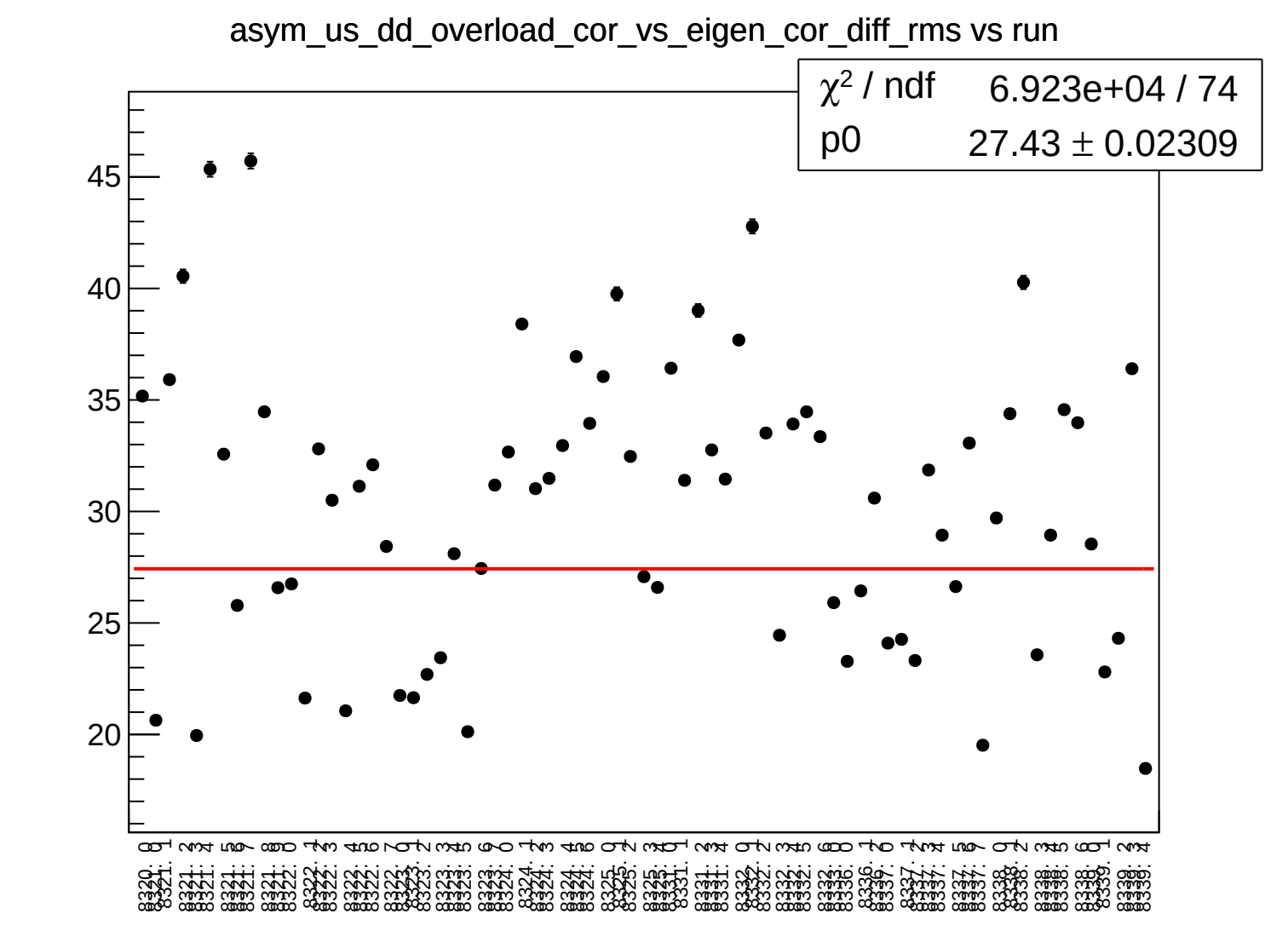

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 77.96 / 74
p0 −0.01718 ± 0.03266
pull
Entries 75
Mean 64.27
Std Dev 0

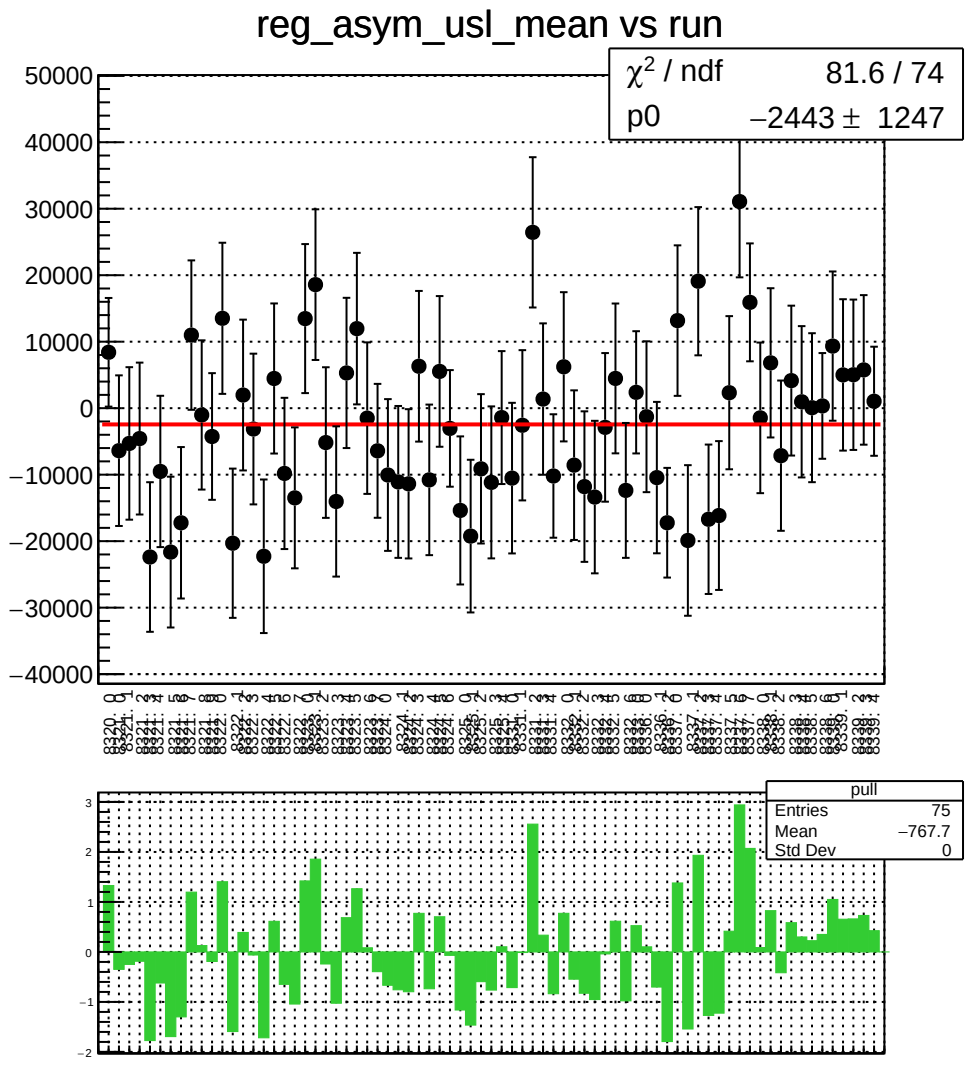

pull1D
Entries 75
Mean 0.05139
Std Dev 1.018

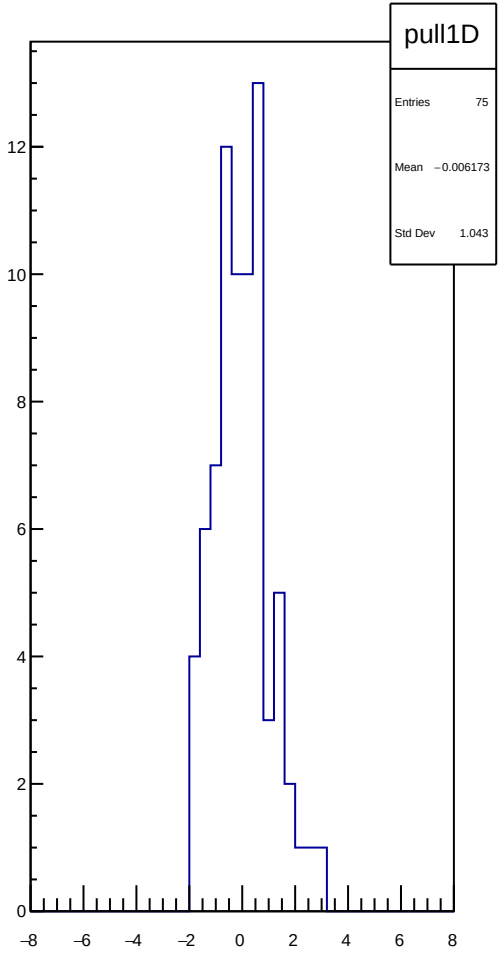

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 6.923e+04 / 74
p0 27.43 ± 0.02309
45
40
35
30
25
20

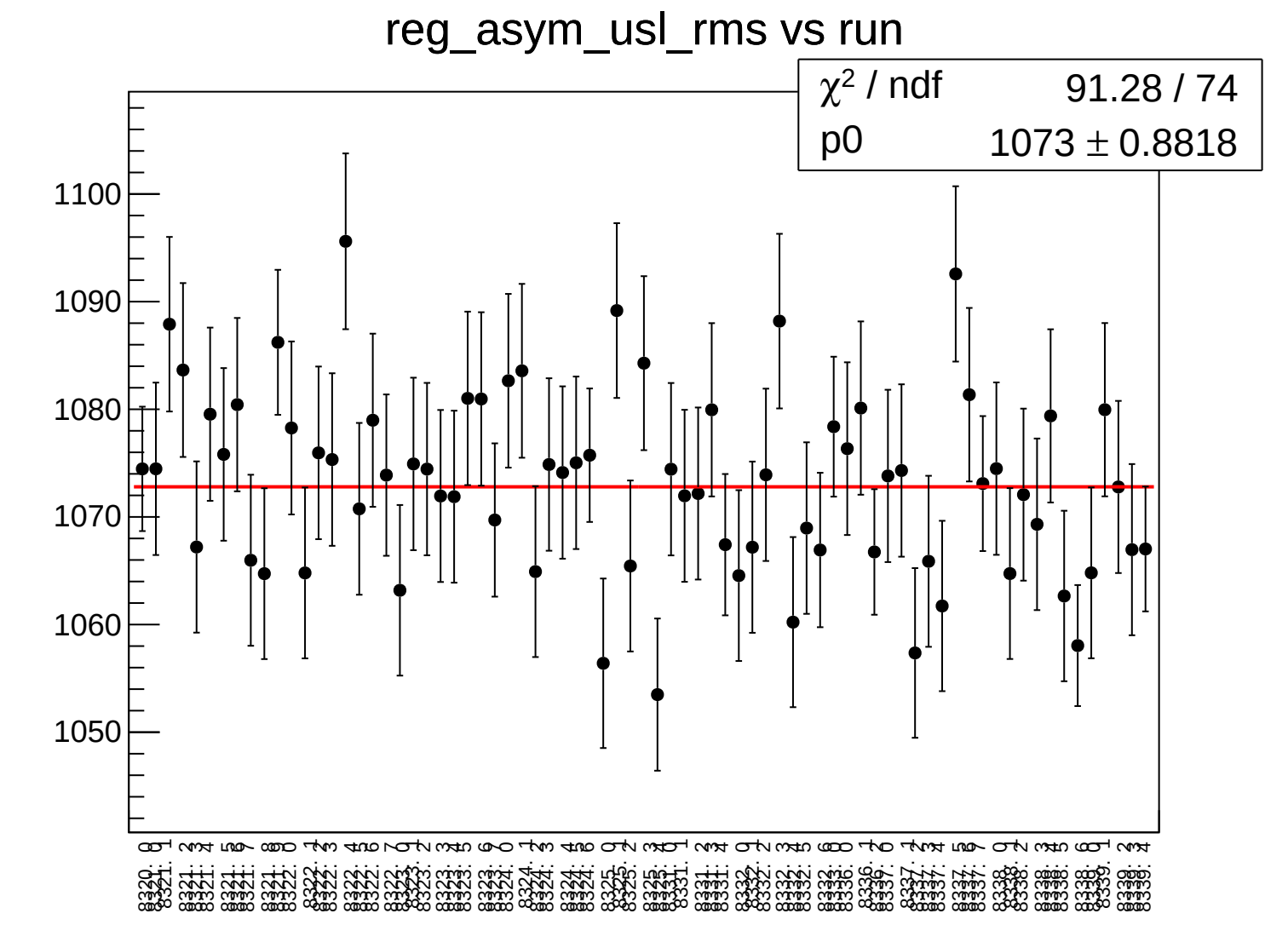

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.96 / 74
p0 −0.01718 ± 0.03266
pull
Entries 75
Mean 64.27
Std Dev 0

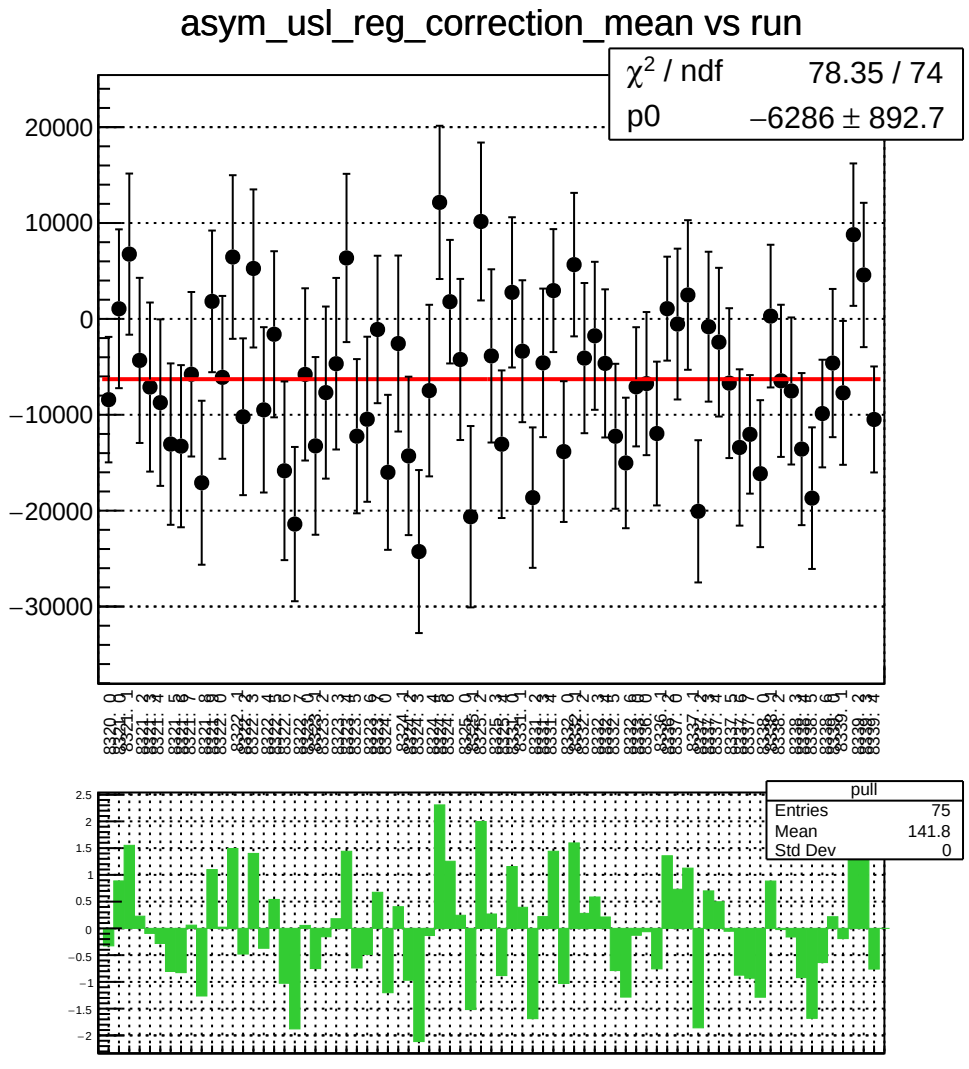

pull1D
Entries 75
Mean 0.05139
Std Dev 1.018

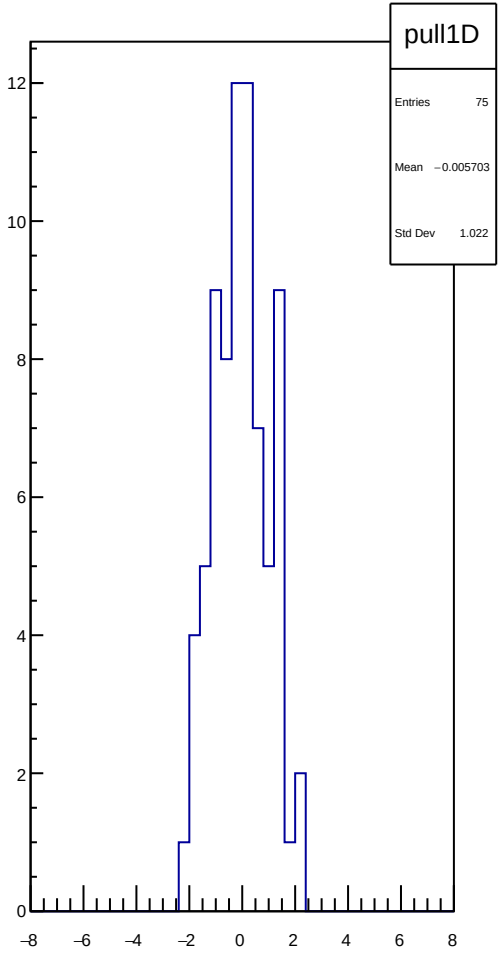

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.923e+04 / 74
p0 27.43 ± 0.02309
45
40
35
30
25
20

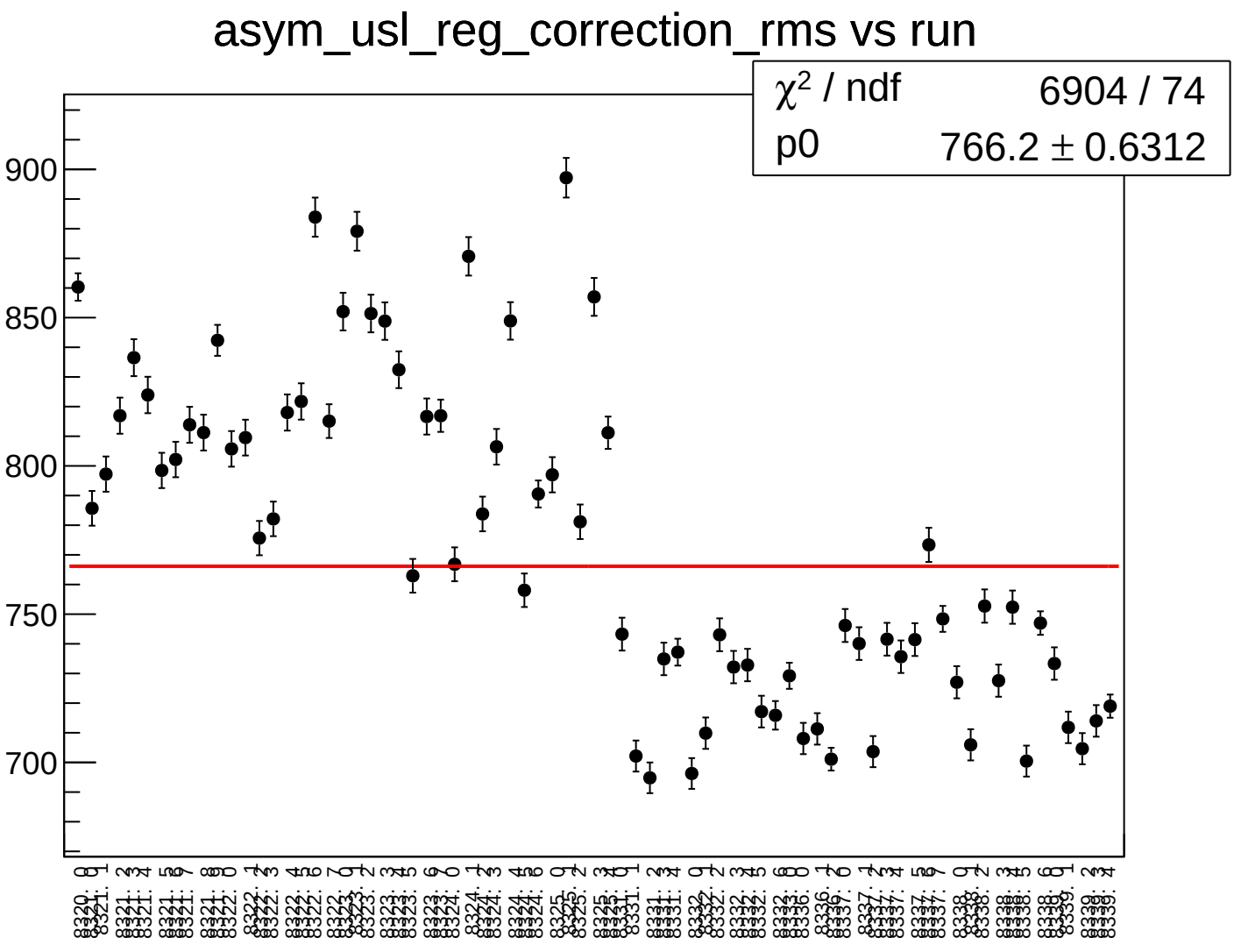

reg_asym_usl_mean vs run
χ² / ndf 81.6 / 74
p0 −2443 ± 1247
pull
Entries 75
Mean −767.7
Std Dev 0

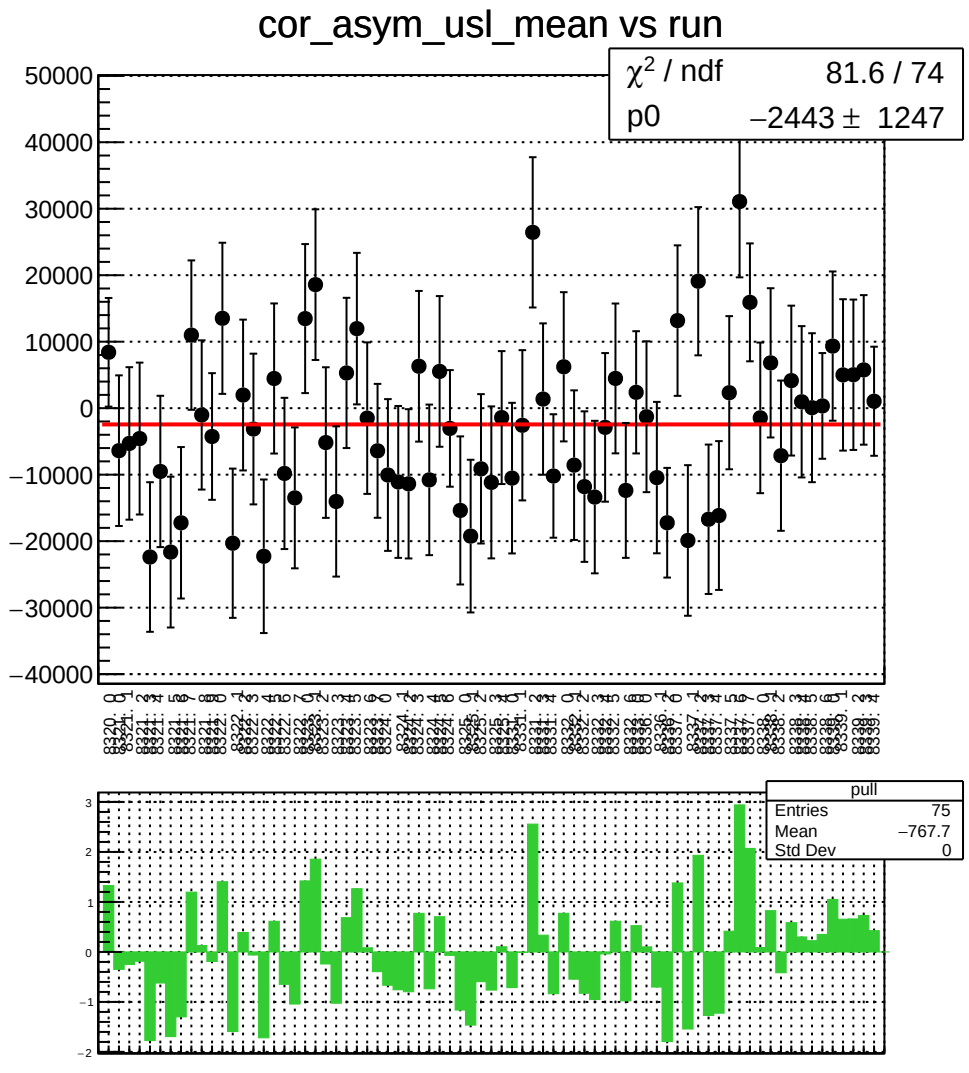

pull1D
Entries 75
Mean −0.006173
Std Dev 1.043

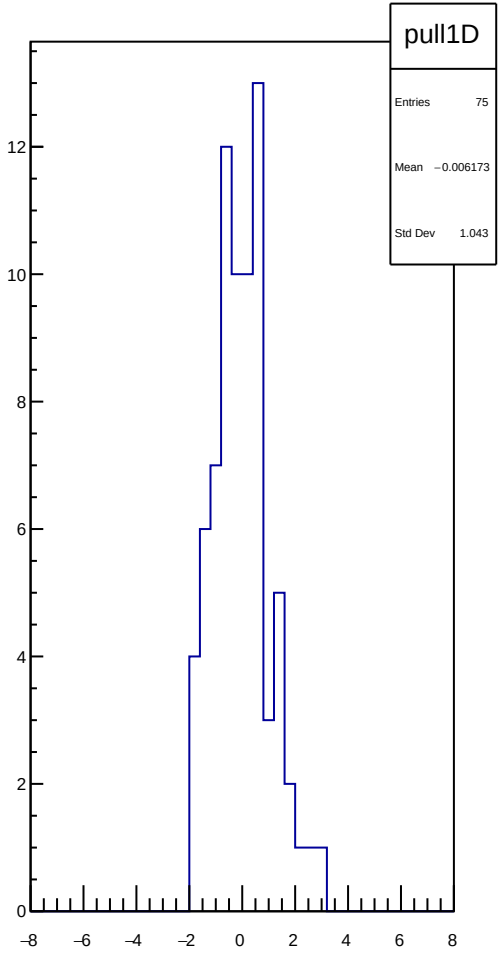

reg_asym_usl_rms vs run
χ² / ndf 91.28 / 74
p0 1073 ± 0.8818
1100
1090
1080
1070
1060
1050

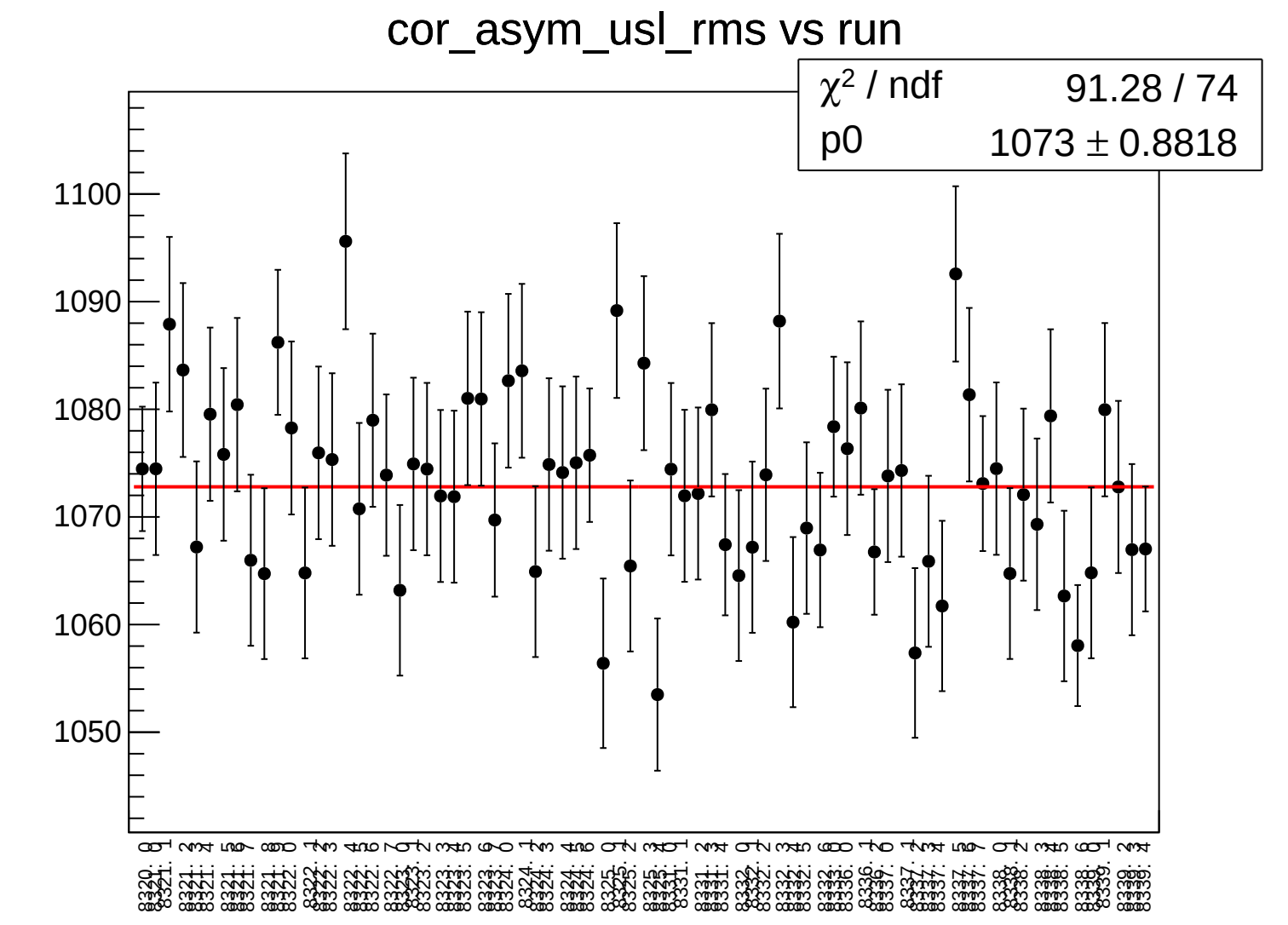

asym_usl_reg_correction_mean vs run
χ² / ndf 78.35 / 74
p0 −6286 ± 892.7
pull
Entries 75
Mean 141.8
Std Dev 0

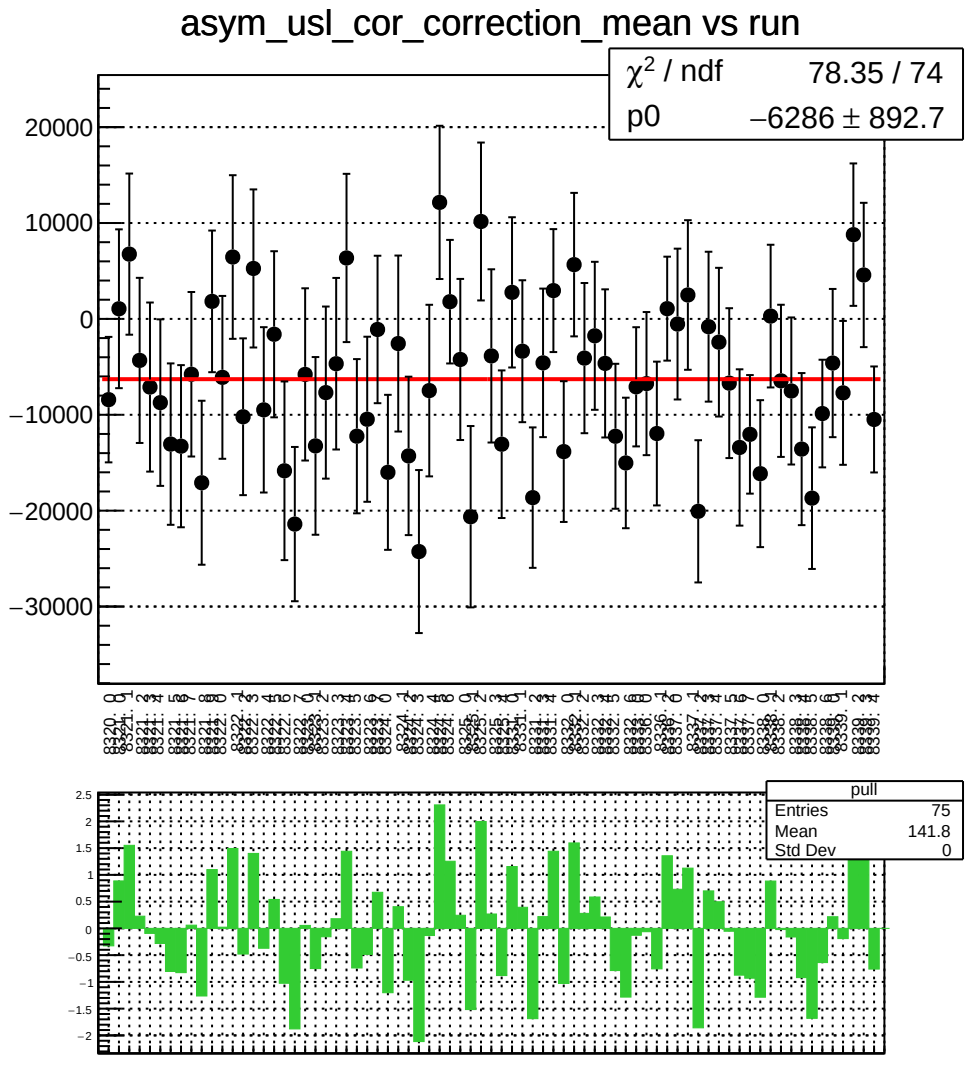

pull1D
Entries 75
Mean −0.005703
Std Dev 1.022

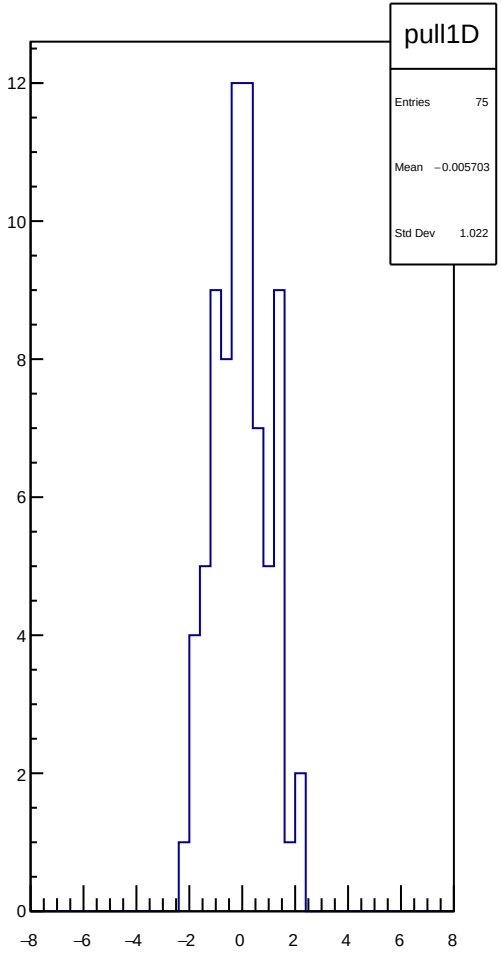

asym_usl_reg_correction_rms vs run
χ² / ndf 6904 / 74
p0 766.2 ± 0.6312
900
850
800
750
700

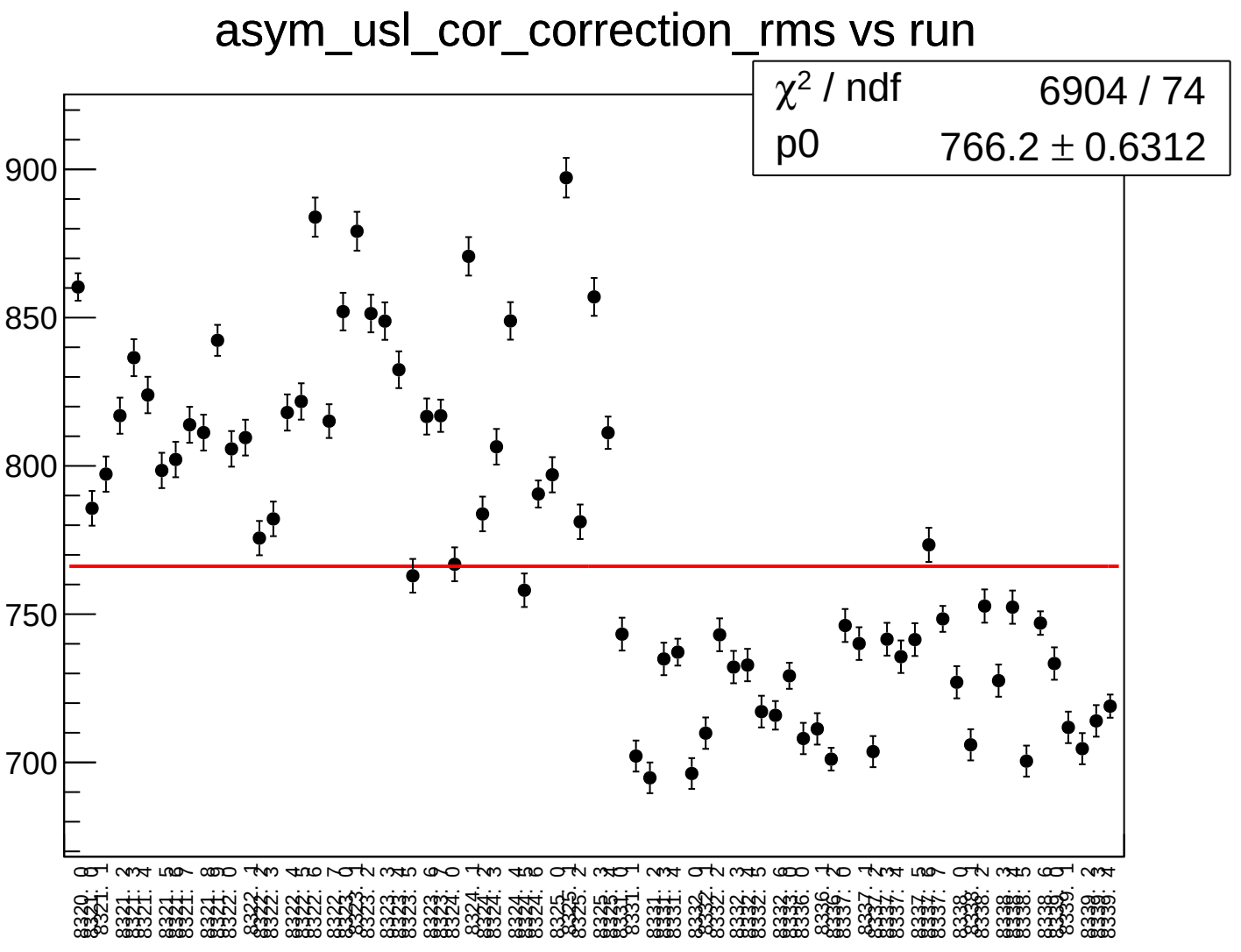

cor_asym_usl_mean vs run
χ² / ndf 81.6 / 74
p0 −2443 ± 1247
pull
Entries 75
Mean −767.7
Std Dev 0

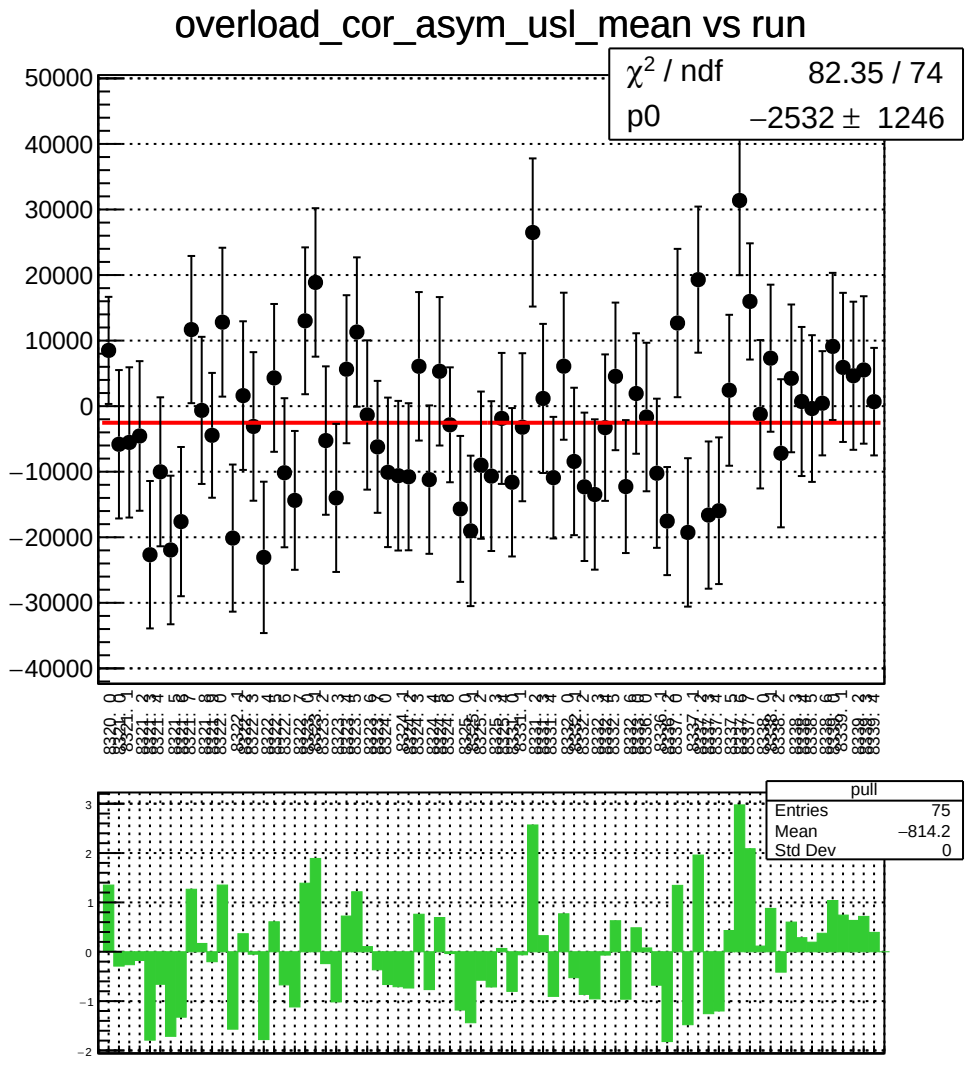

pull1D
Entries 75
Mean −0.006173
Std Dev 1.043

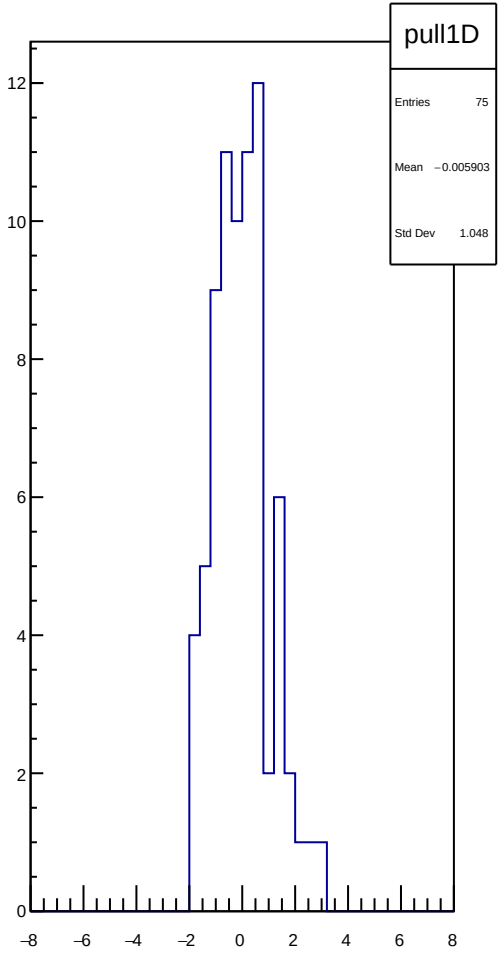

cor_asym_usl_rms vs run
χ^2 / ndf 91.28 / 74
p0 1073 ± 0.8818
1100
1090
1080
1070
1060
1050

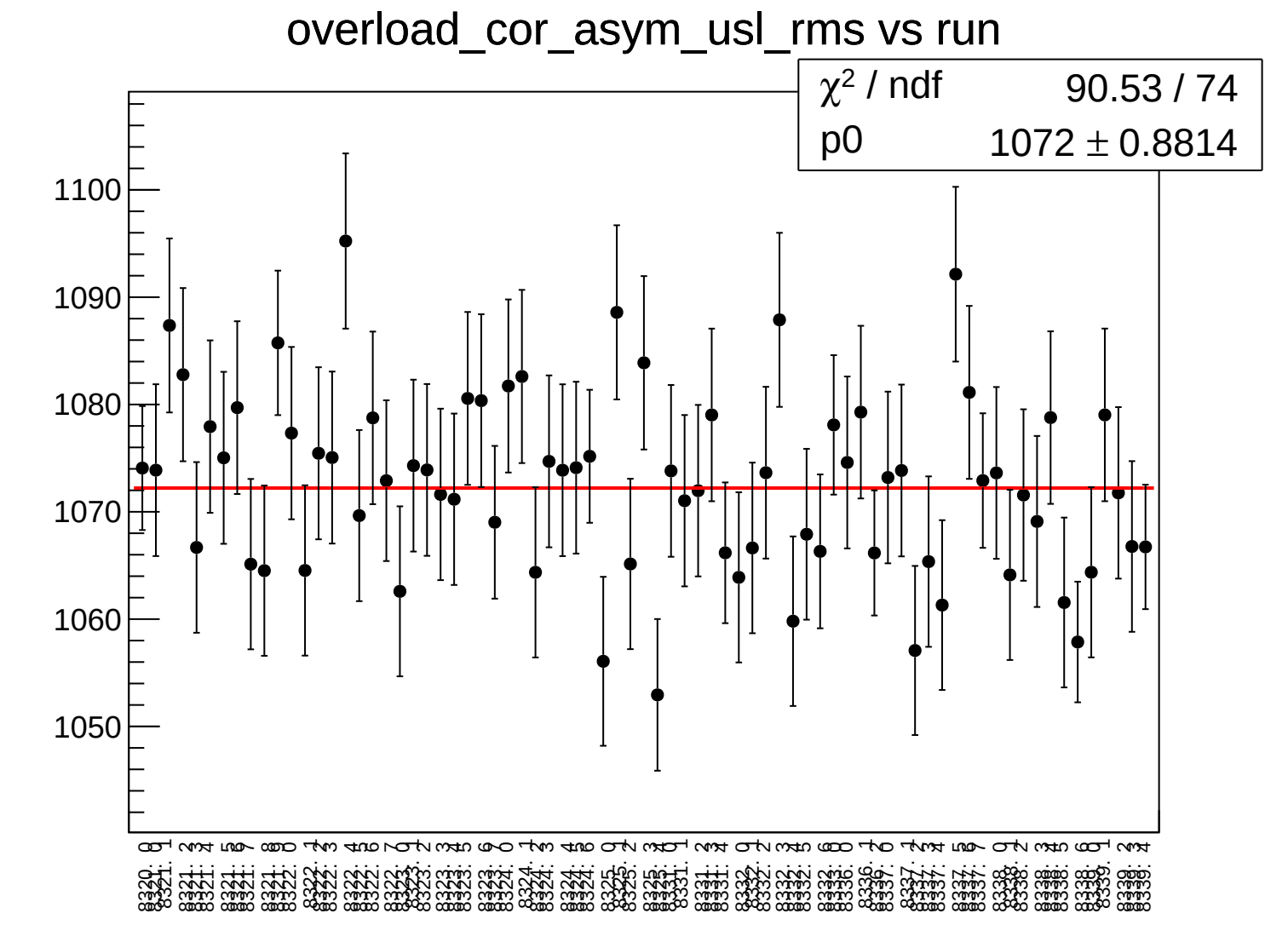

asym_usl_cor_correction_mean vs run
χ² / ndf 78.35 / 74
p0 −6286 ± 892.7
pull
Entries 75
Mean 141.8
Std Dev 0

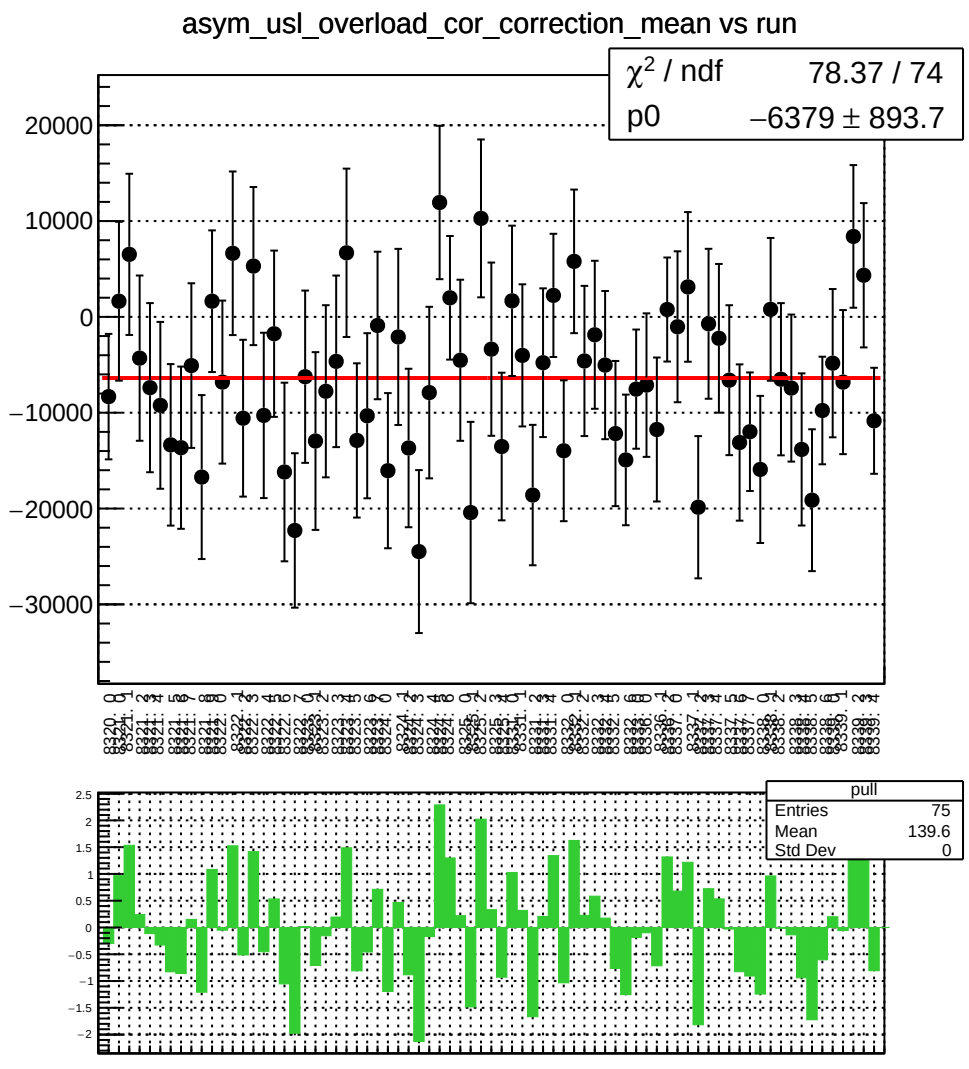

pull1D
Entries 75
Mean −0.005703
Std Dev 1.022

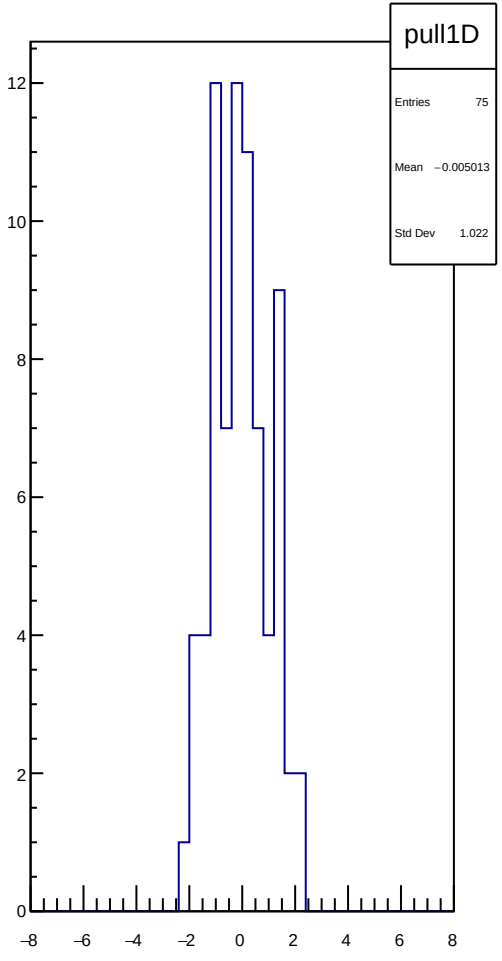

asym_usl_cor_correction_rms vs run
χ² / ndf 6904 / 74
p0 766.2 ± 0.6312
900
850
800
750
700

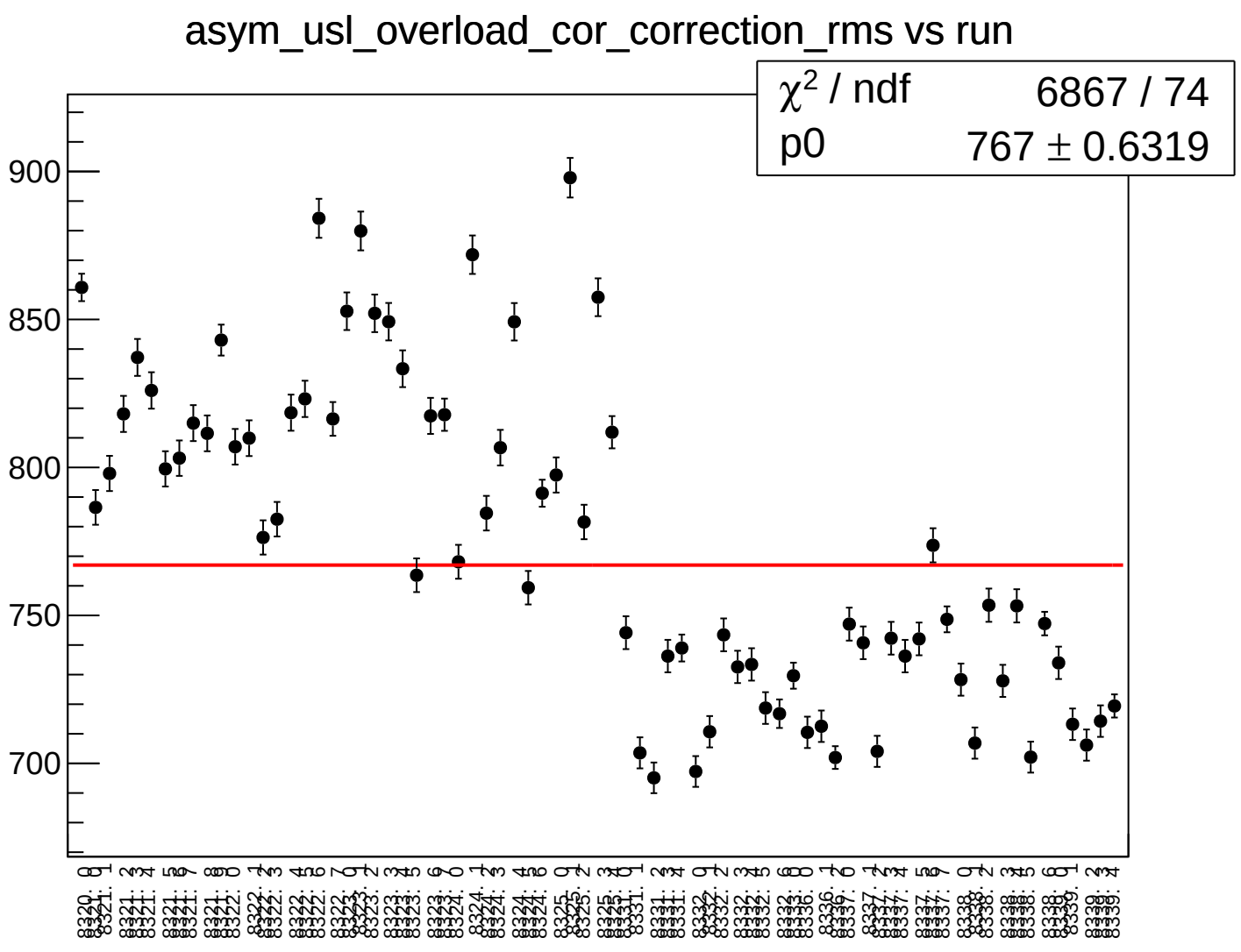

overload_cor_asym_usl_mean vs run
χ² / ndf 82.35 / 74
p0 −2532 ± 1246
pull
Entries 75
Mean −814.2
Std Dev 0

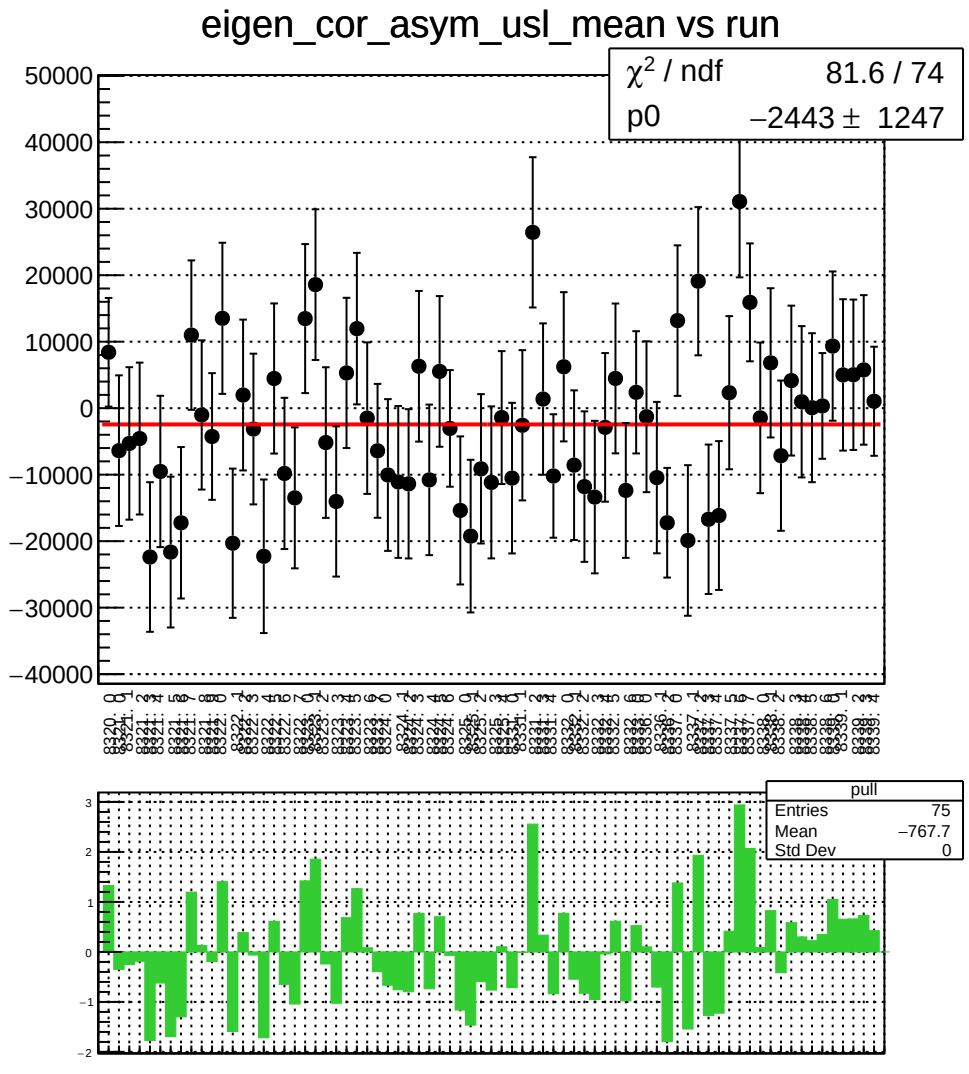

pull1D
Entries 75
Mean −0.005903
Std Dev 1.048

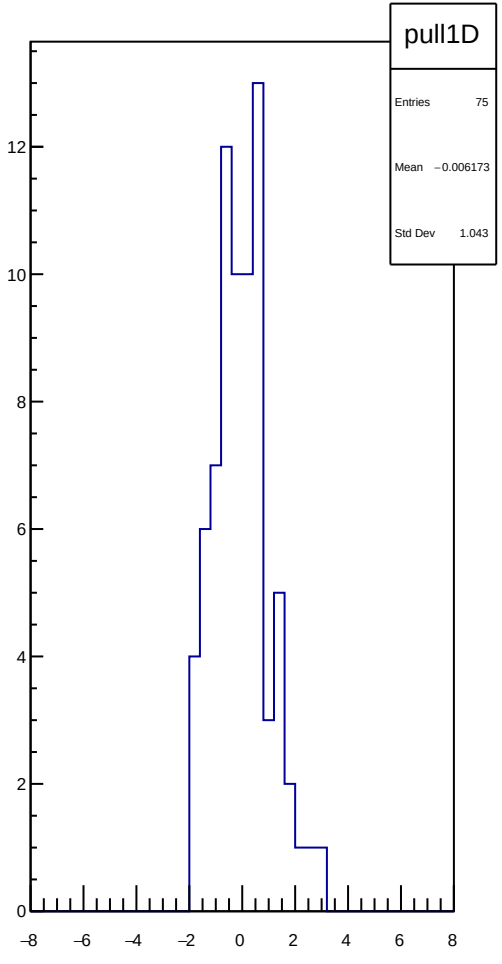

overload_cor_asym_usl_rms vs run
χ² / ndf 90.53 / 74
p0 1072 ± 0.8814
1100
1090
1080
1070
1060
1050

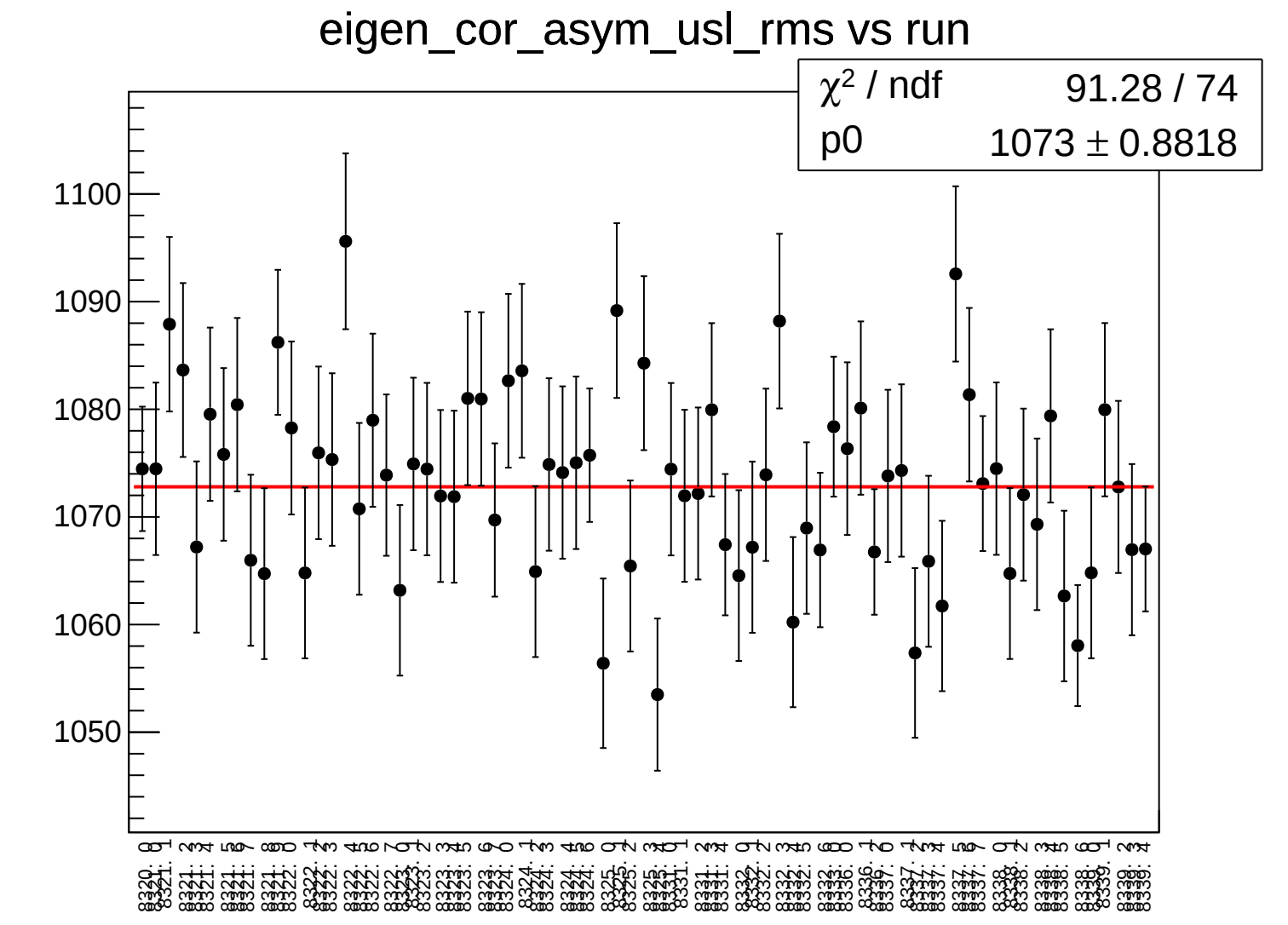

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 78.37 / 74
p0 −6379 ± 893.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 139.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

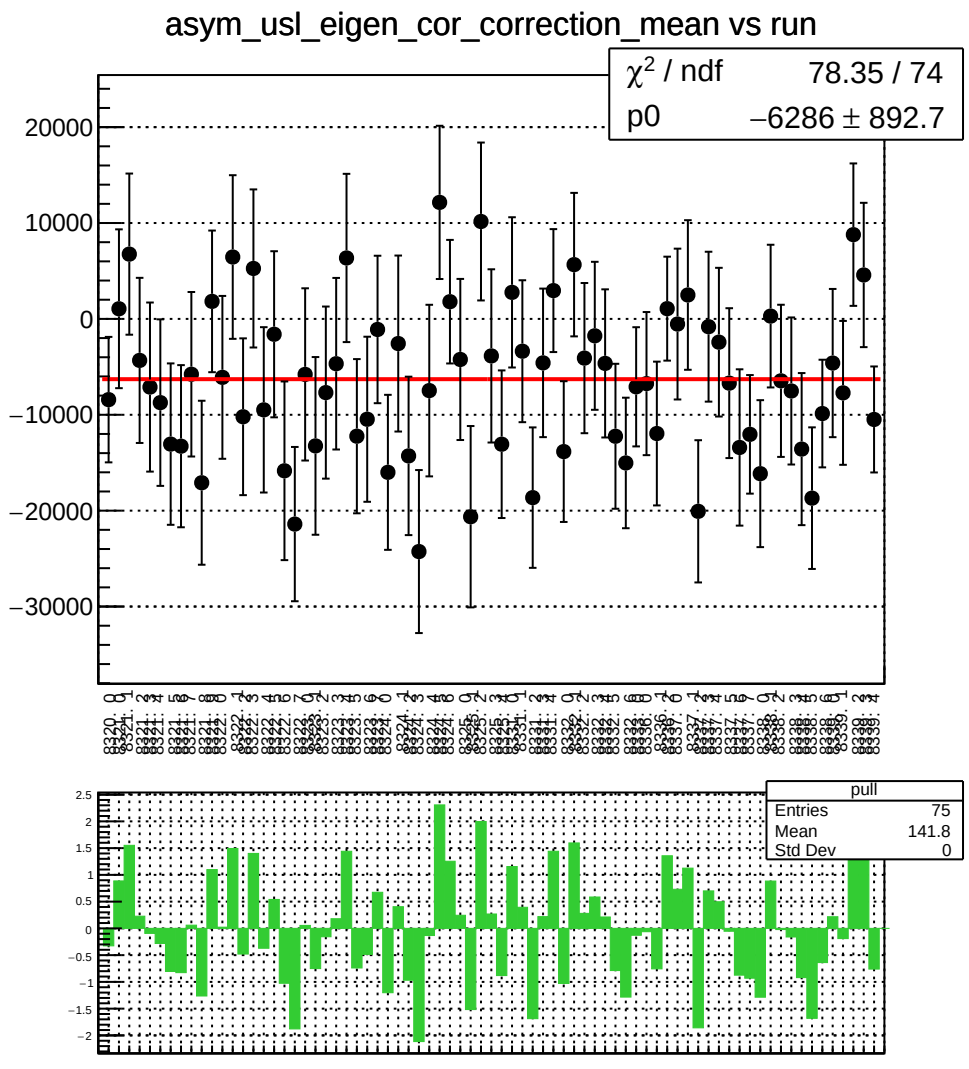

pull1D
Entries 75
Mean −0.005013
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

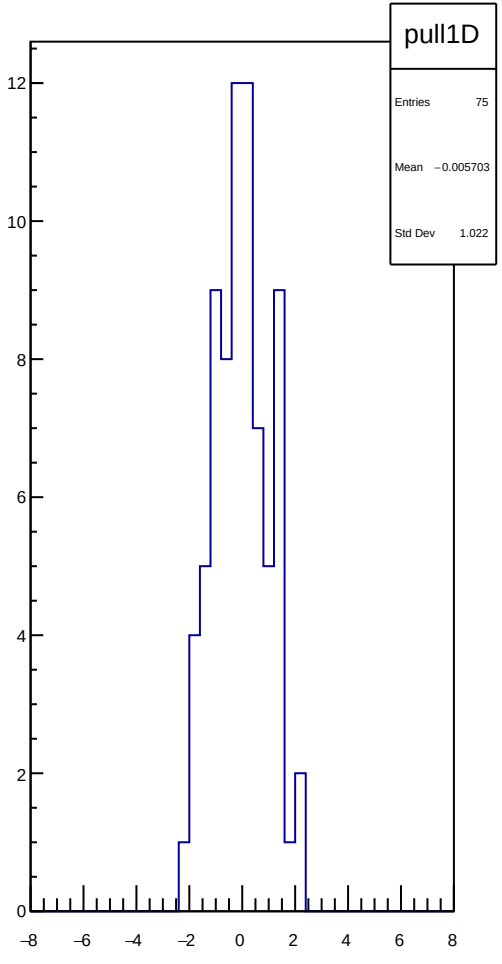

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 6867 / 74
p0 767 ± 0.6319
900
850
800
750
700

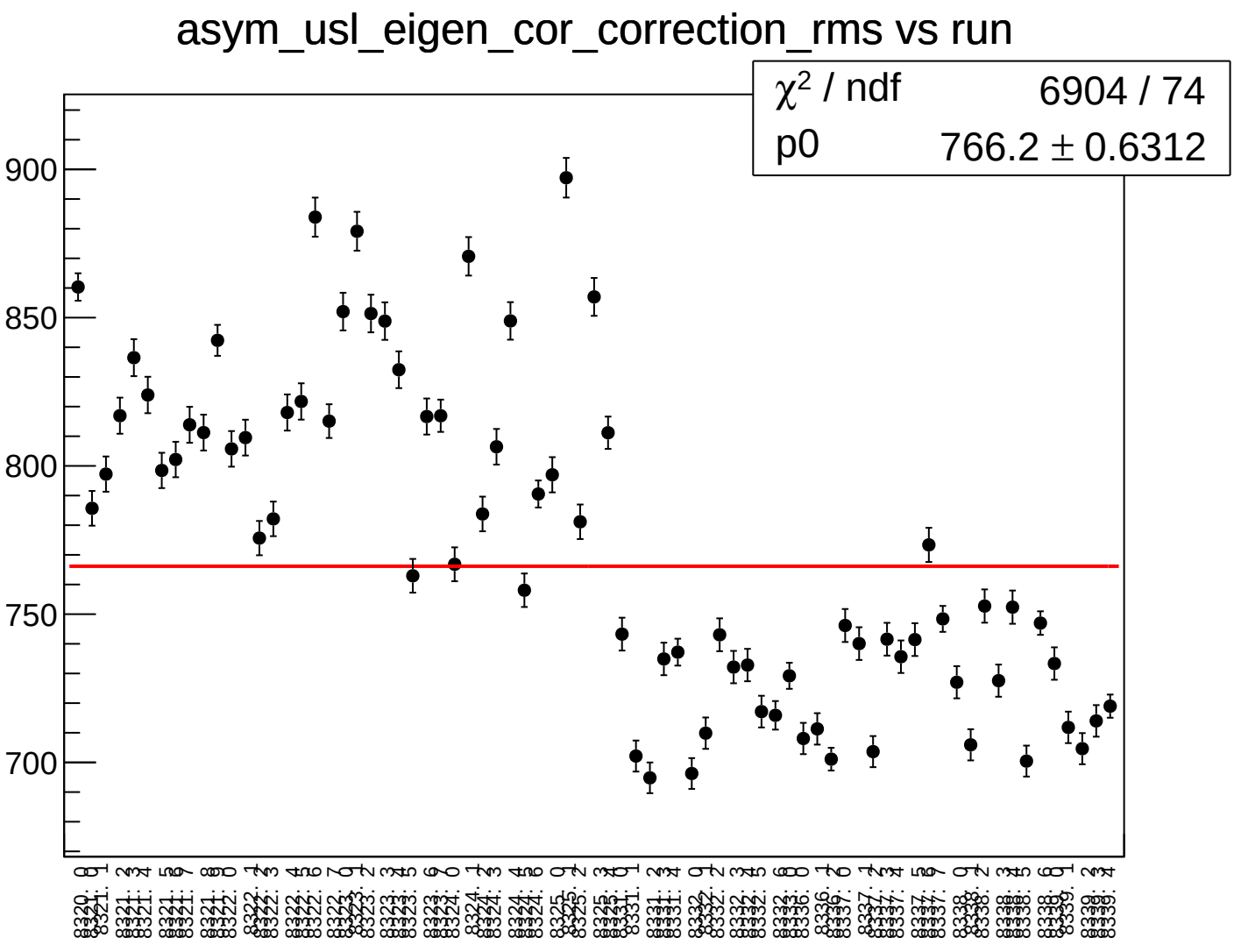

eigen_cor_asym_usl_mean vs run
χ² / ndf 81.6 / 74
p0 −2443 ± 1247
pull
Entries 75
Mean −767.7
Std Dev 0

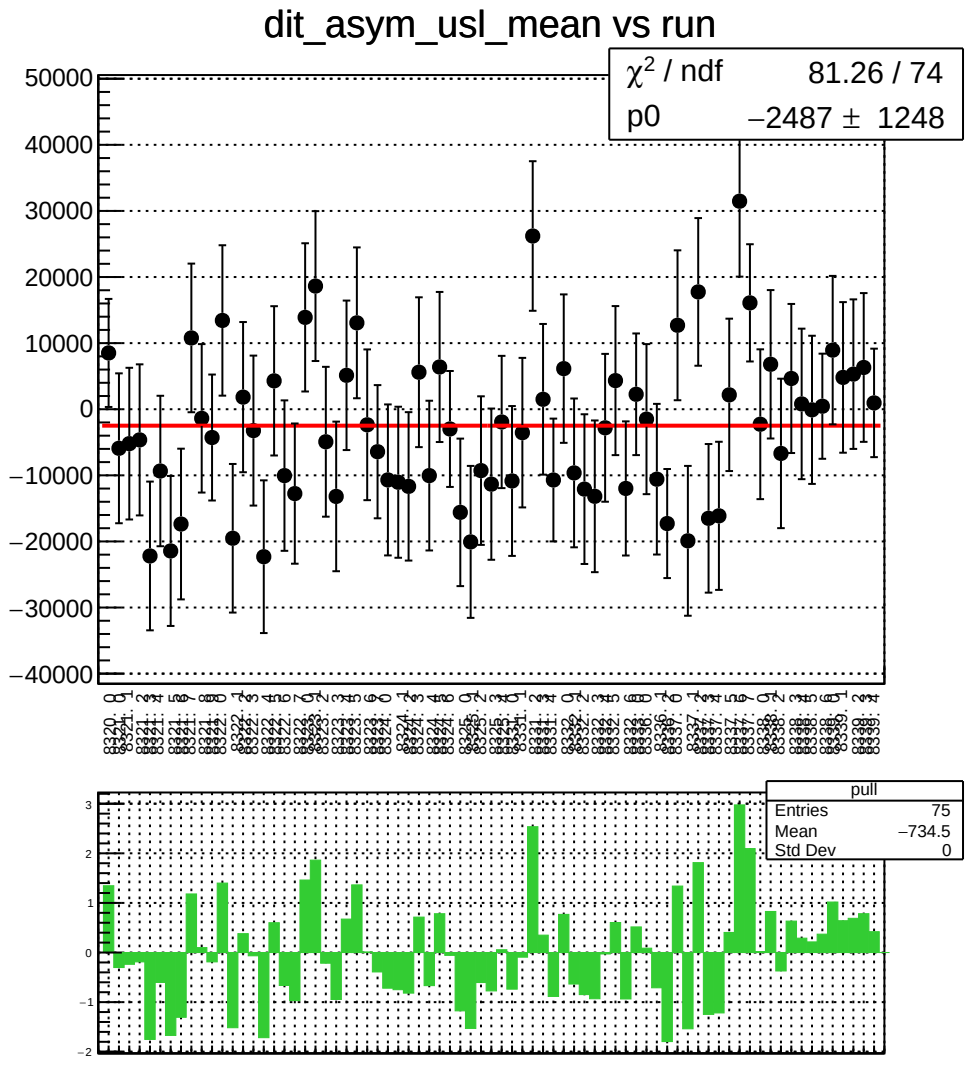

pull1D
Entries 75
Mean −0.006173
Std Dev 1.043

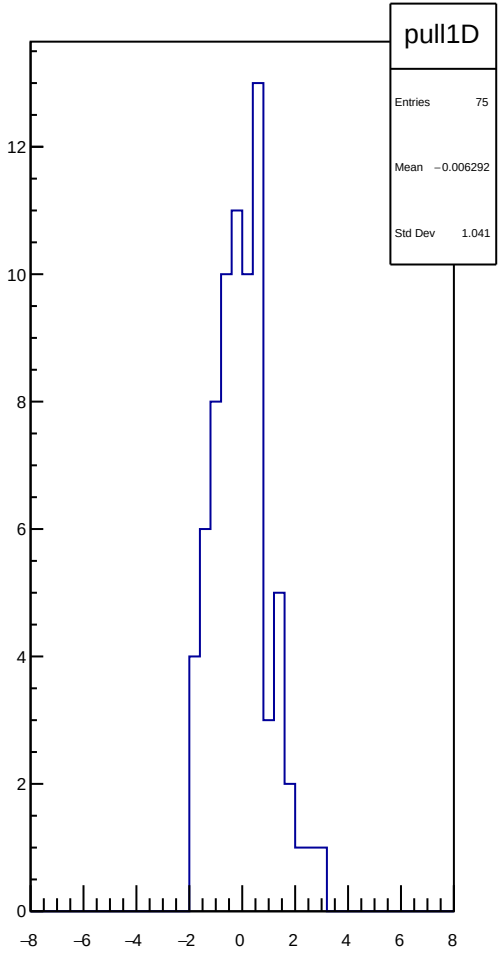

eigen_cor_asym_usl_rms vs run
χ² / ndf 91.28 / 74
p0 1073 ± 0.8818
1100
1090
1080
1070
1060
1050

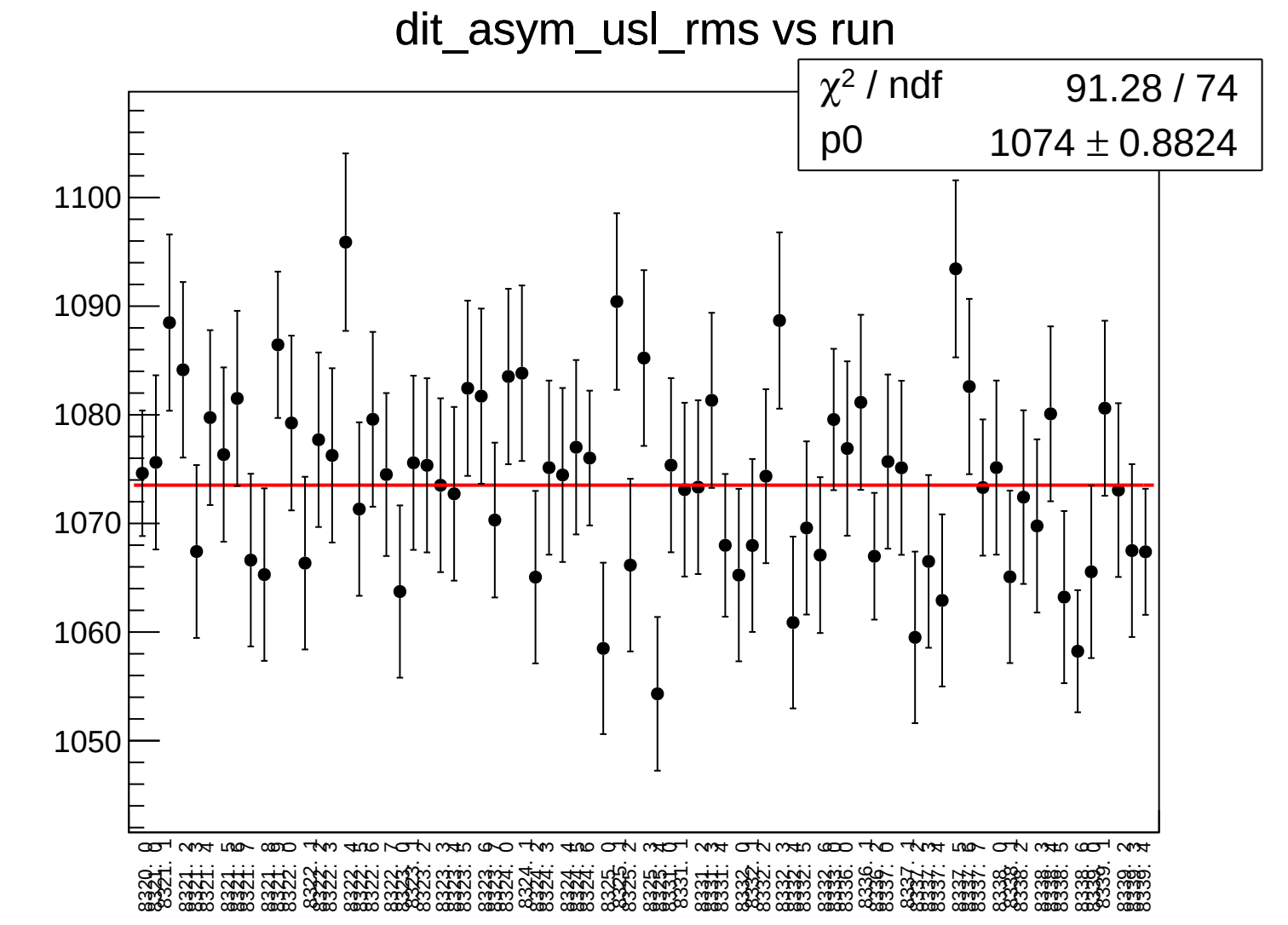

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 78.35 / 74
p0 −6286 ± 892.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 141.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

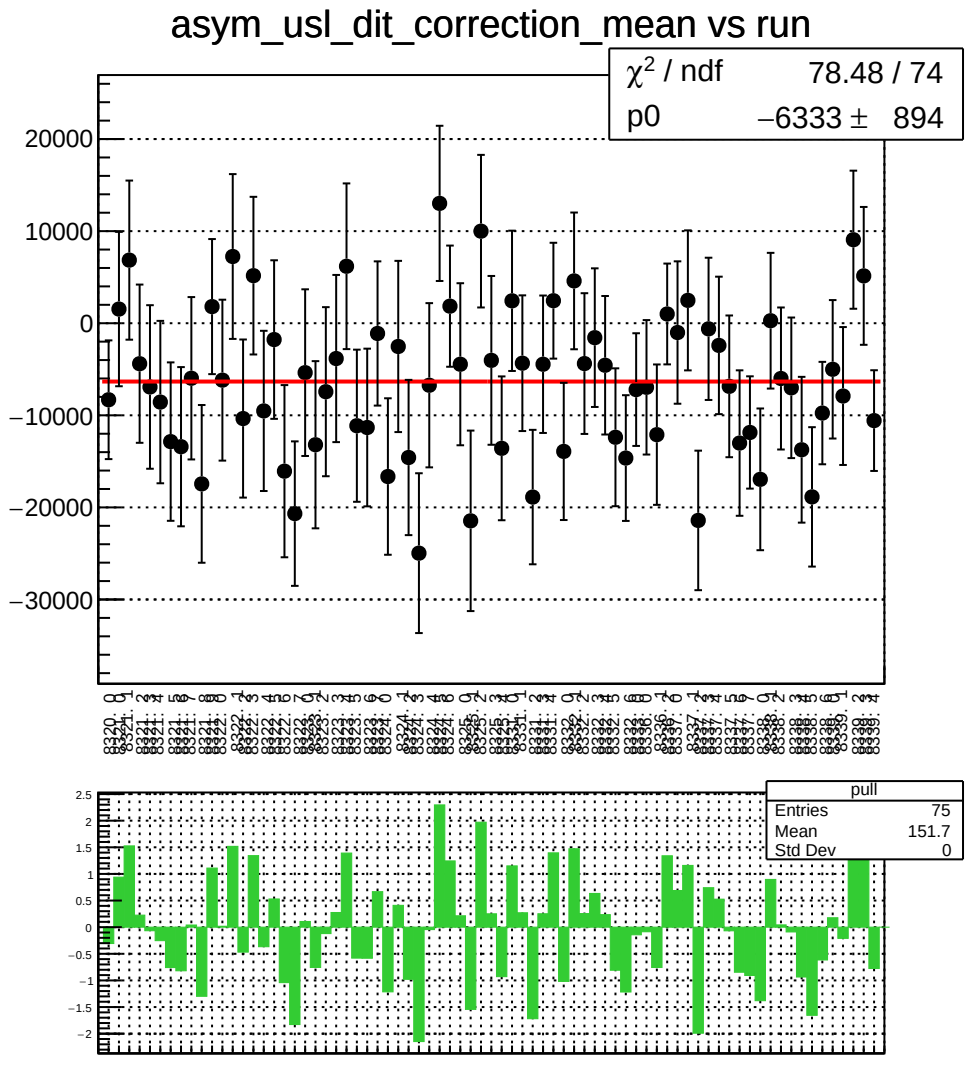

pull1D
Entries 75
Mean −0.005703
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

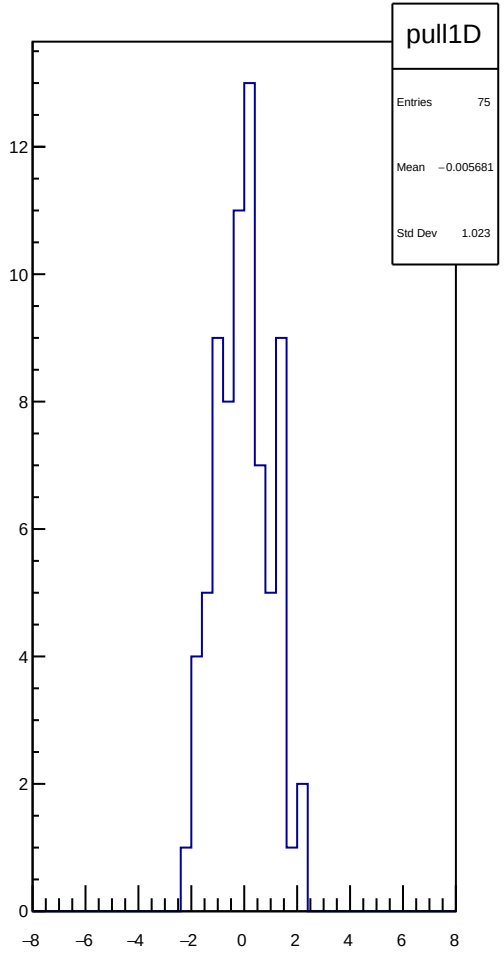

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 6904 / 74
p0 766.2 ± 0.6312
900
850
800
750
700

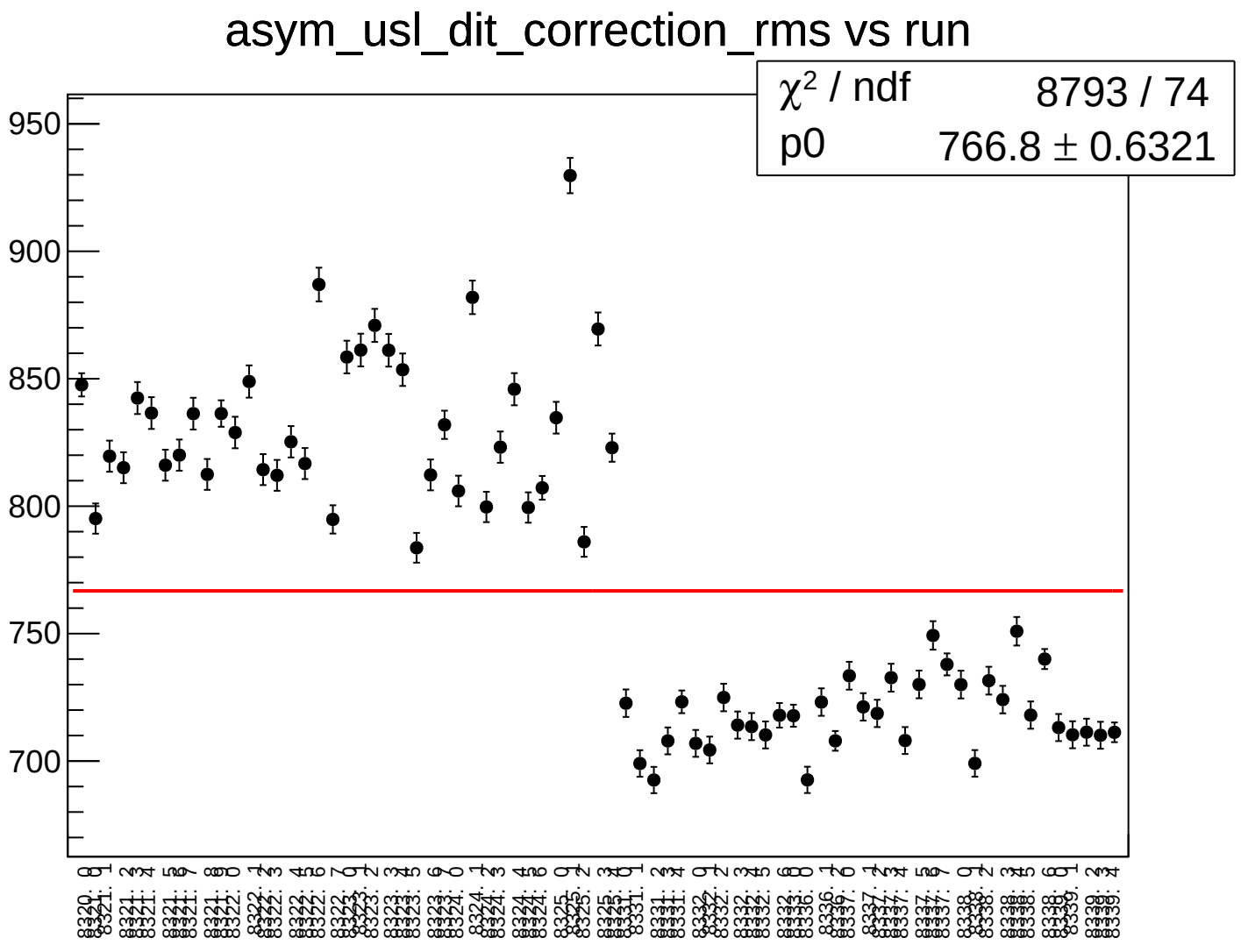

dit_asym_usl_mean vs run
χ² / ndf 81.26 / 74
p0 −2487 ± 1248
pull
Entries 75
Mean −734.5
Std Dev 0

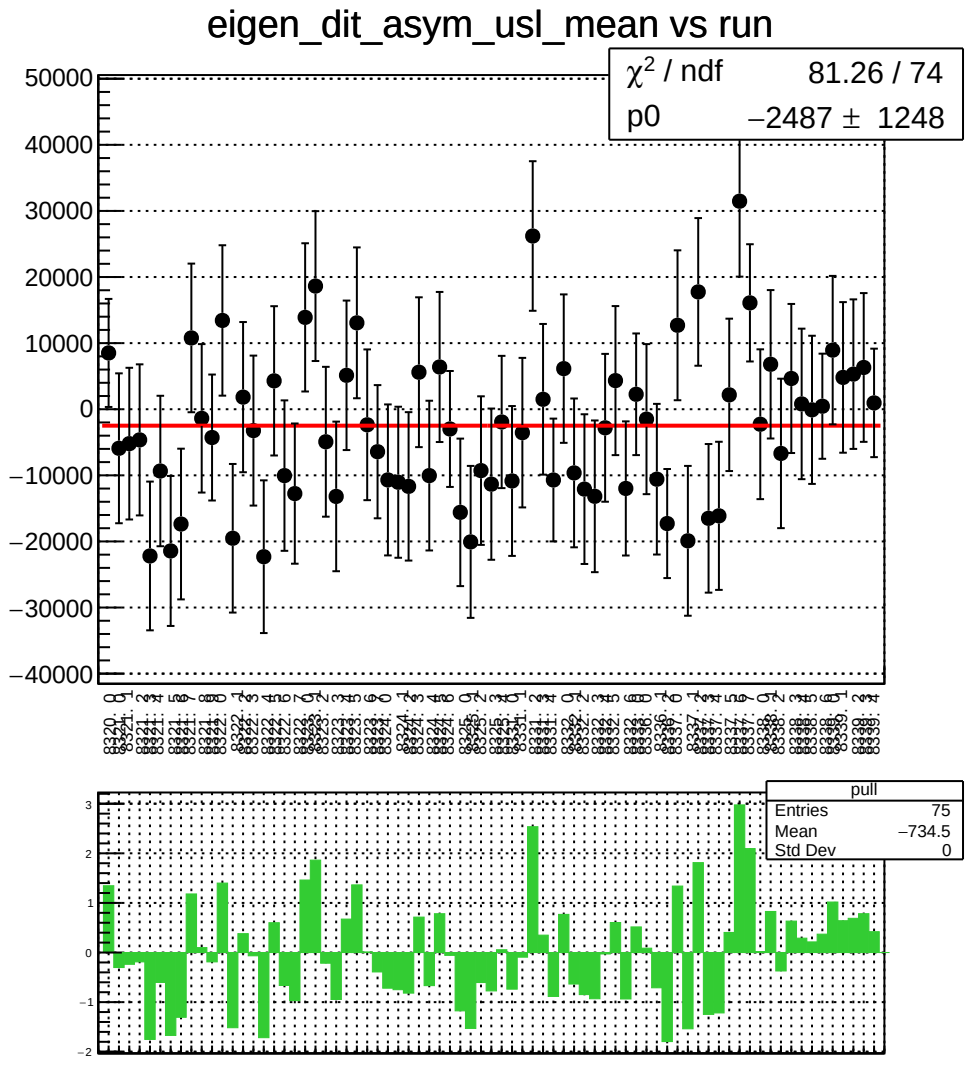

pull1D
Entries 75
Mean −0.006292
Std Dev 1.041

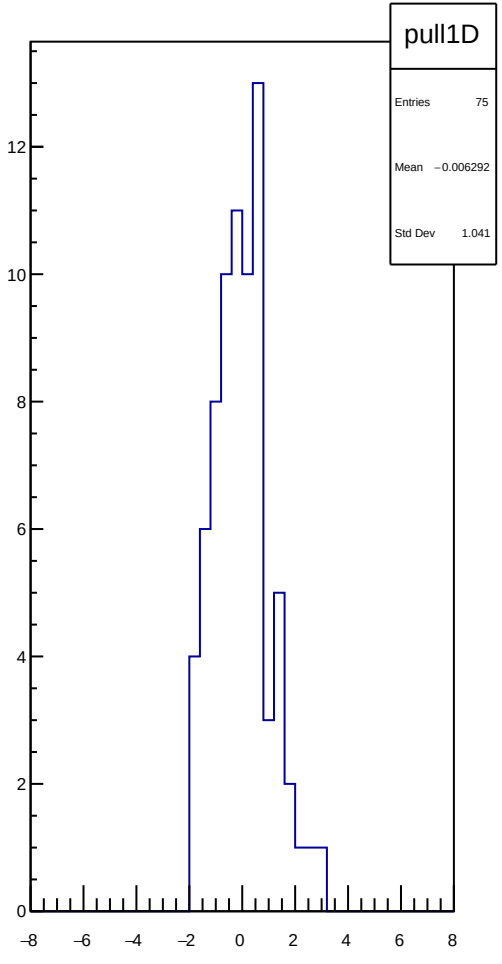

dit_asym_usl_rms vs run
χ² / ndf 91.28 / 74
p0 1074 ± 0.8824
1100
1090
1080
1070
1060
1050

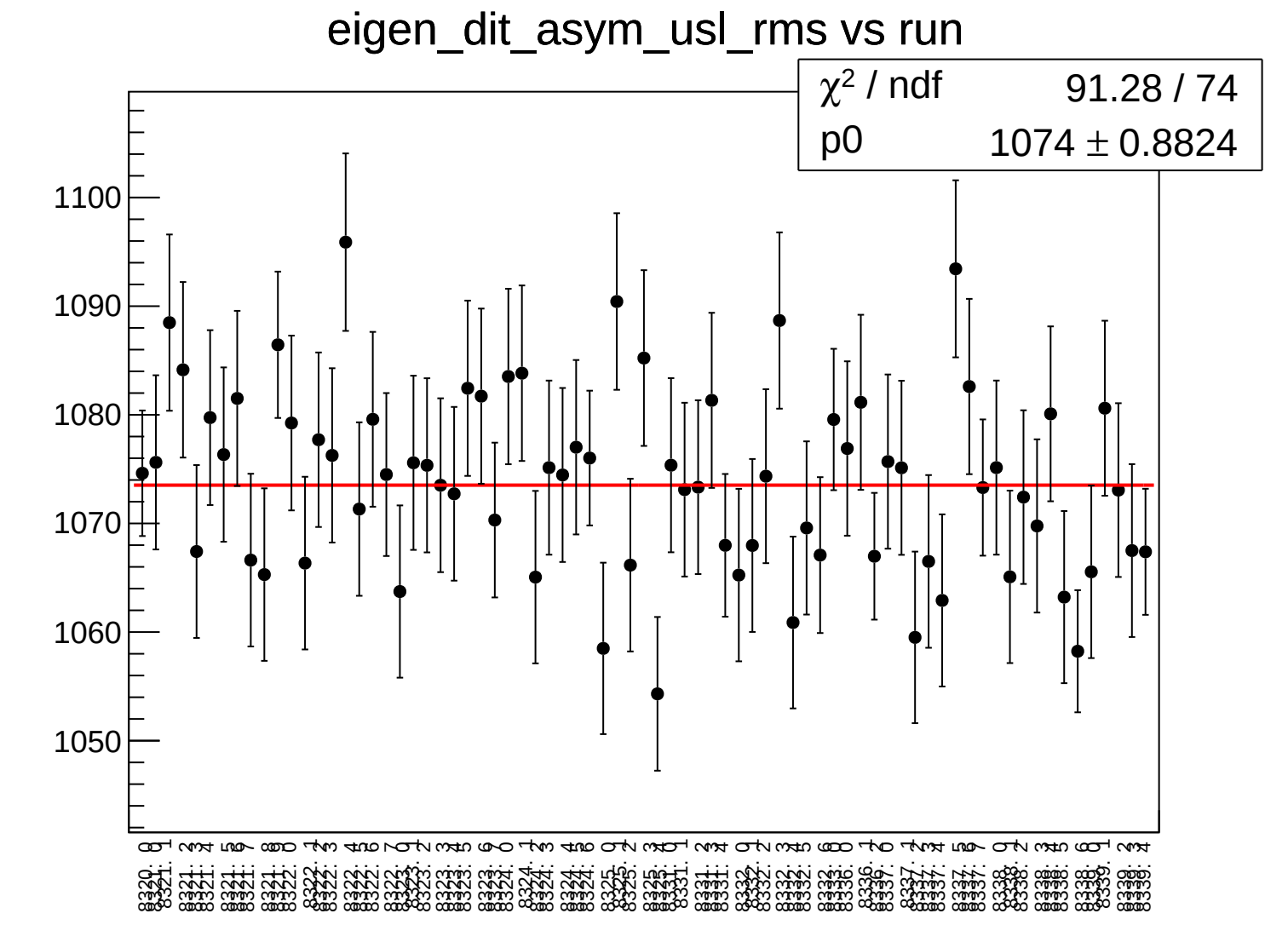

asym_usl_dit_correction_mean vs run
χ² / ndf 78.48 / 74
p0 −6333 ± 894
pull
Entries 75
Mean 151.7
Std Dev 0

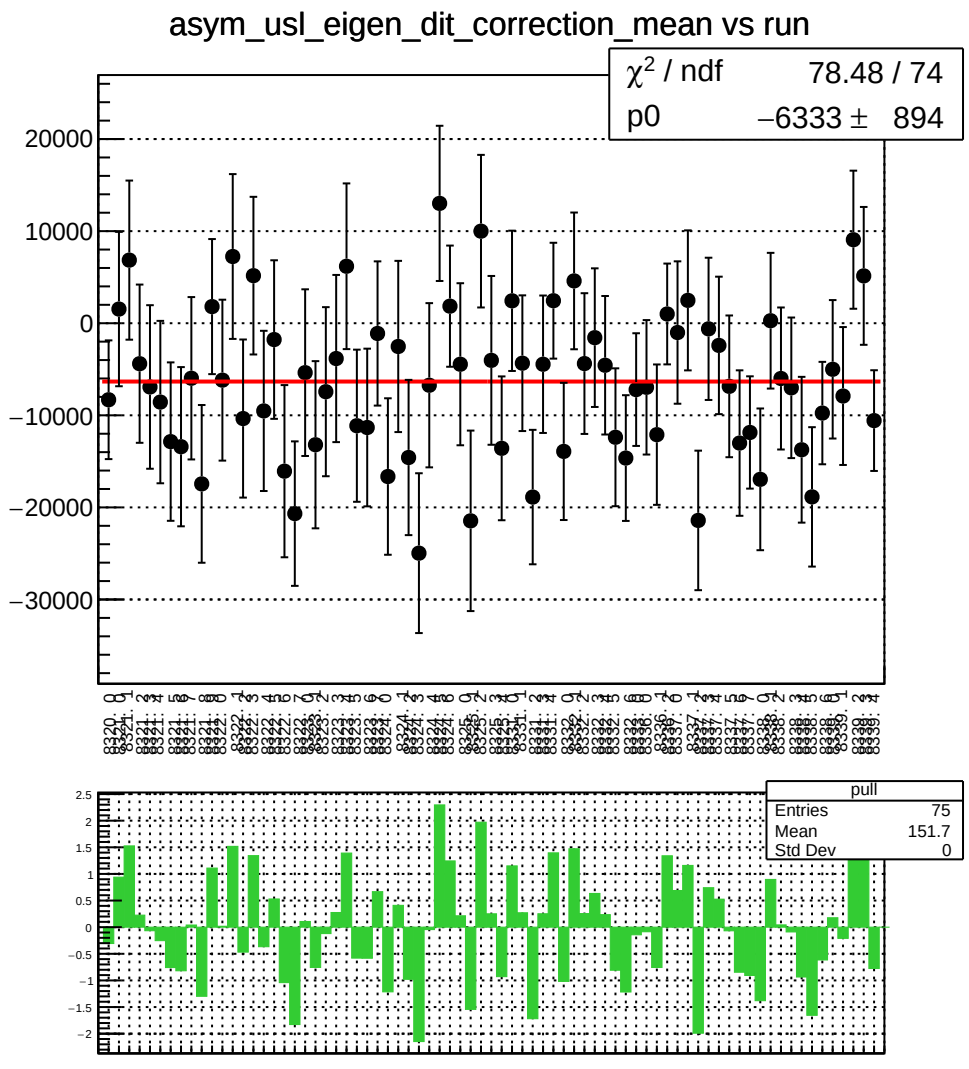

pull1D
Entries 75
Mean −0.005681
Std Dev 1.023

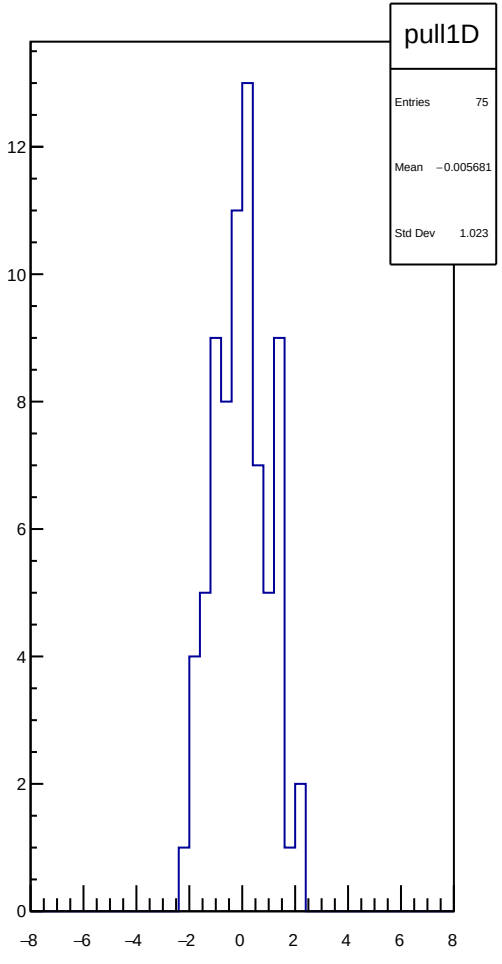

asym_usl_dit_correction_rms vs run
χ² / ndf 8793 / 74
p0 766.8 ± 0.6321
950
900
850
800
750
700

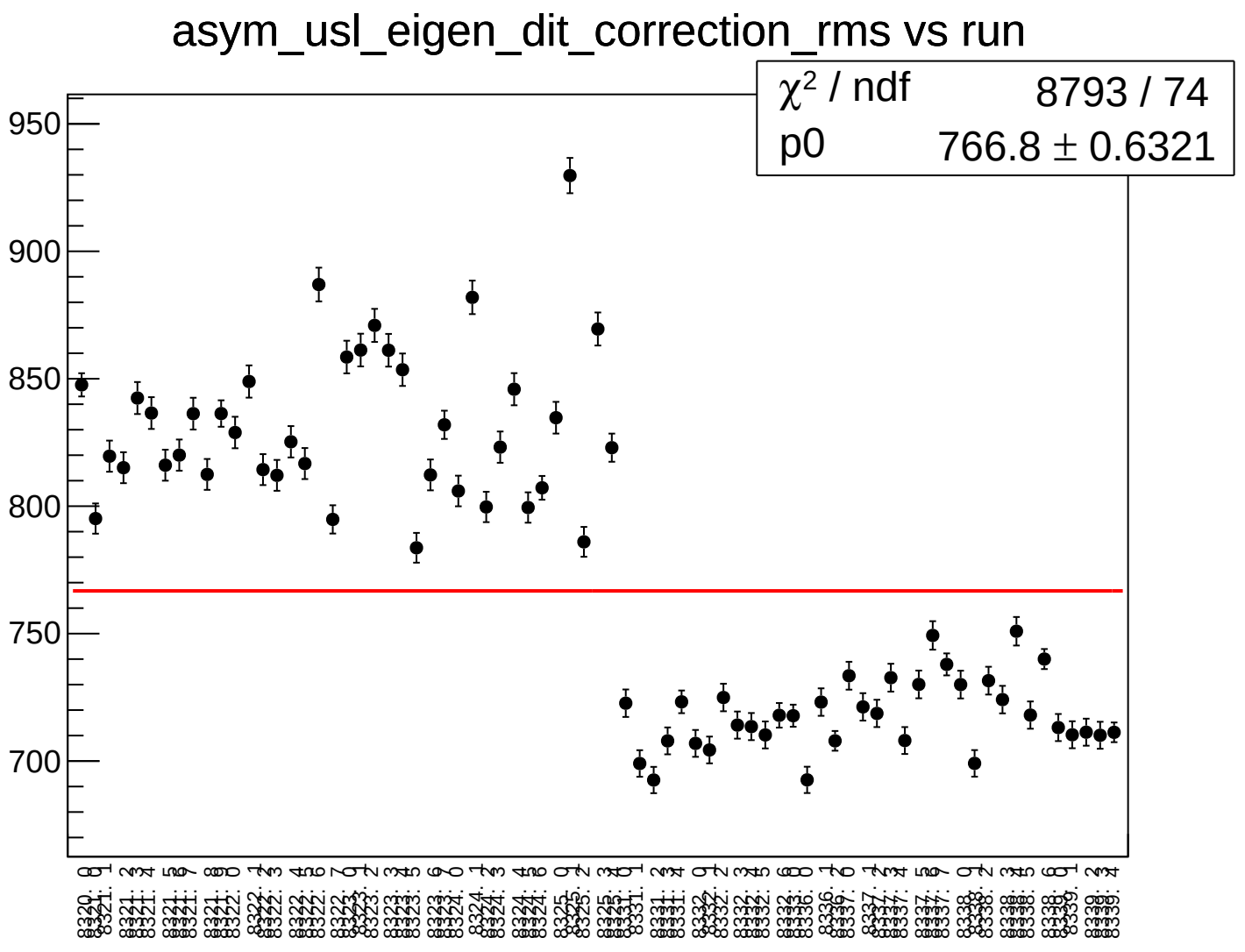

eigen_dit_asym_usl_mean vs run
χ² / ndf 81.26 / 74
p0 −2487 ± 1248
pull
Entries 75
Mean −734.5
Std Dev 0

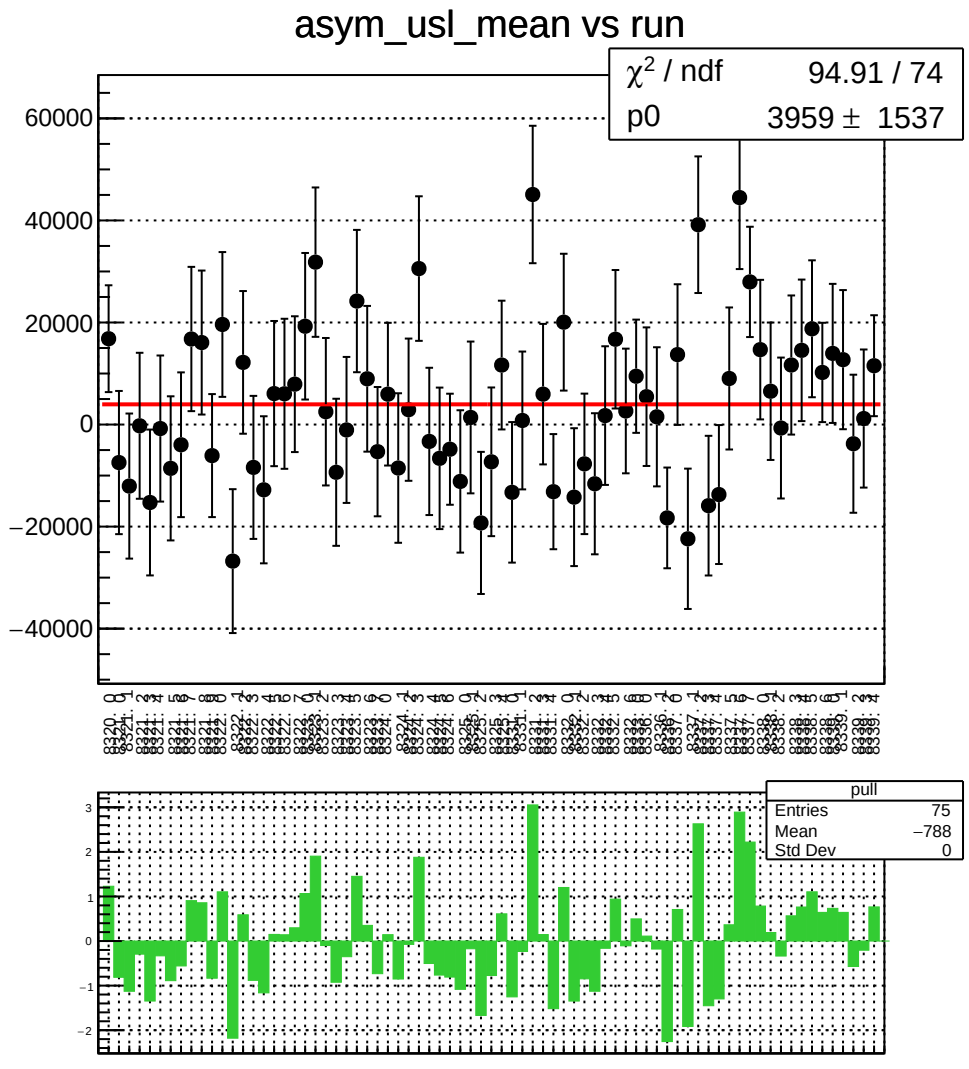

pull1D
Entries 75
Mean −0.006292
Std Dev 1.041

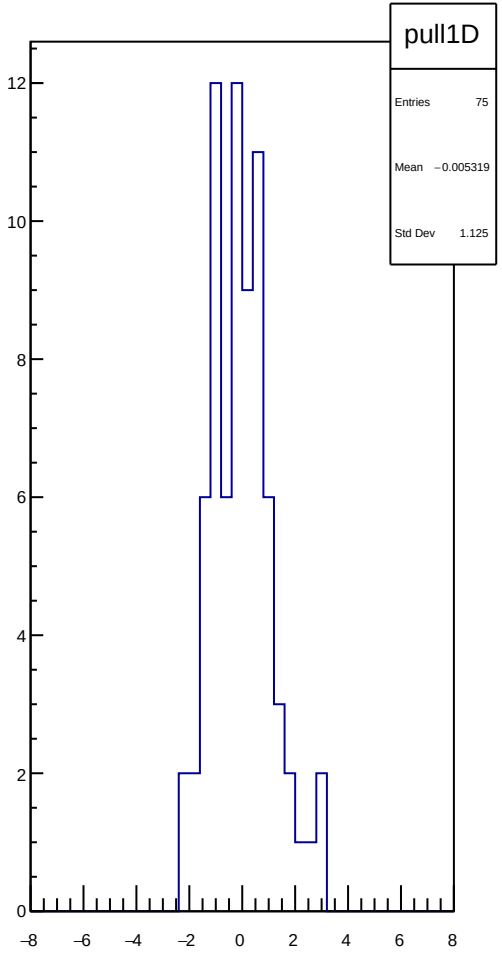

eigen_dit_asym_usl_rms vs run
χ^2 / ndf 91.28 / 74
p0 1074 ± 0.8824
1100
1090
1080
1070
1060
1050

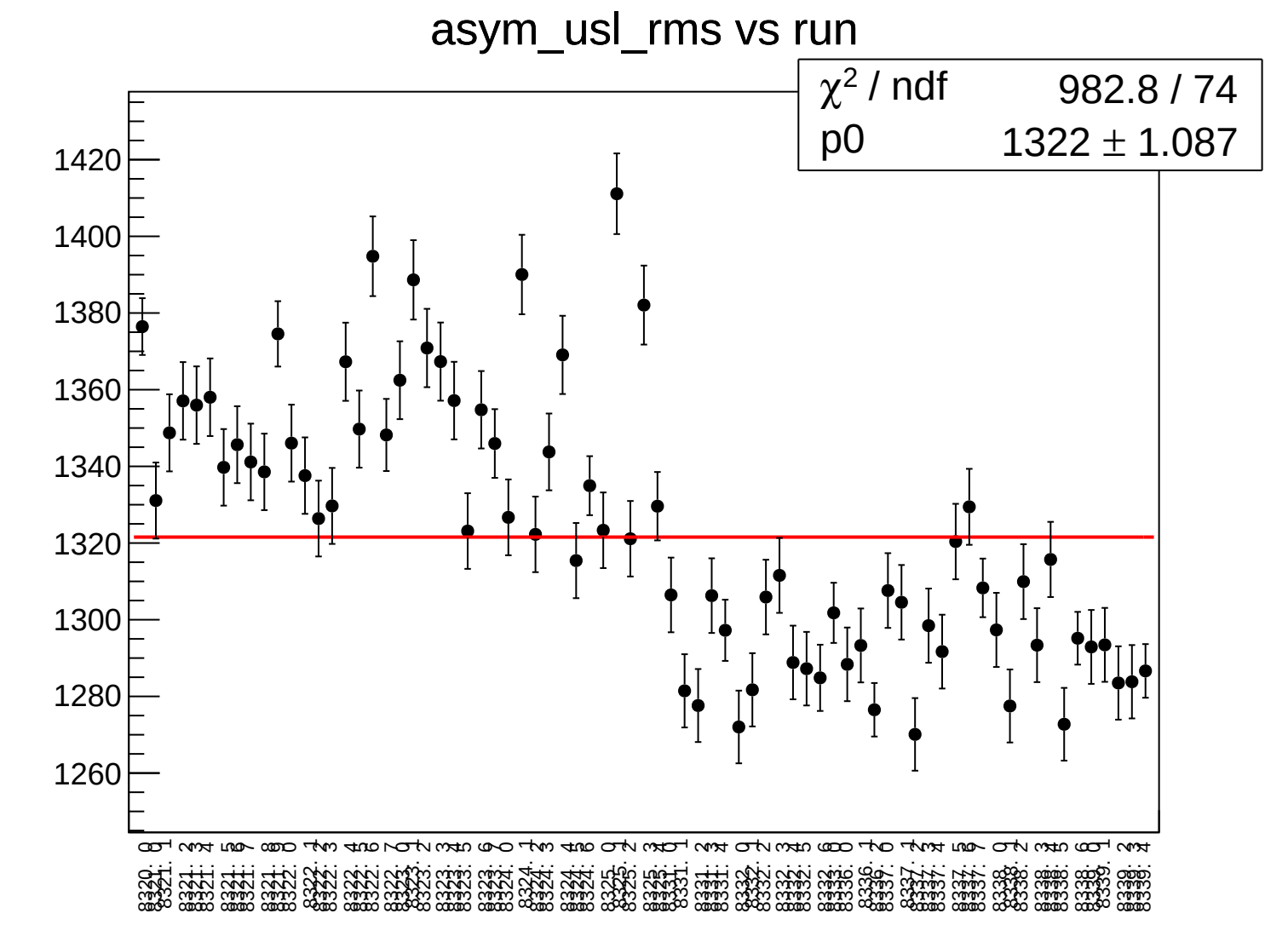

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 78.48 / 74
p0 −6333 ± 894
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 151.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

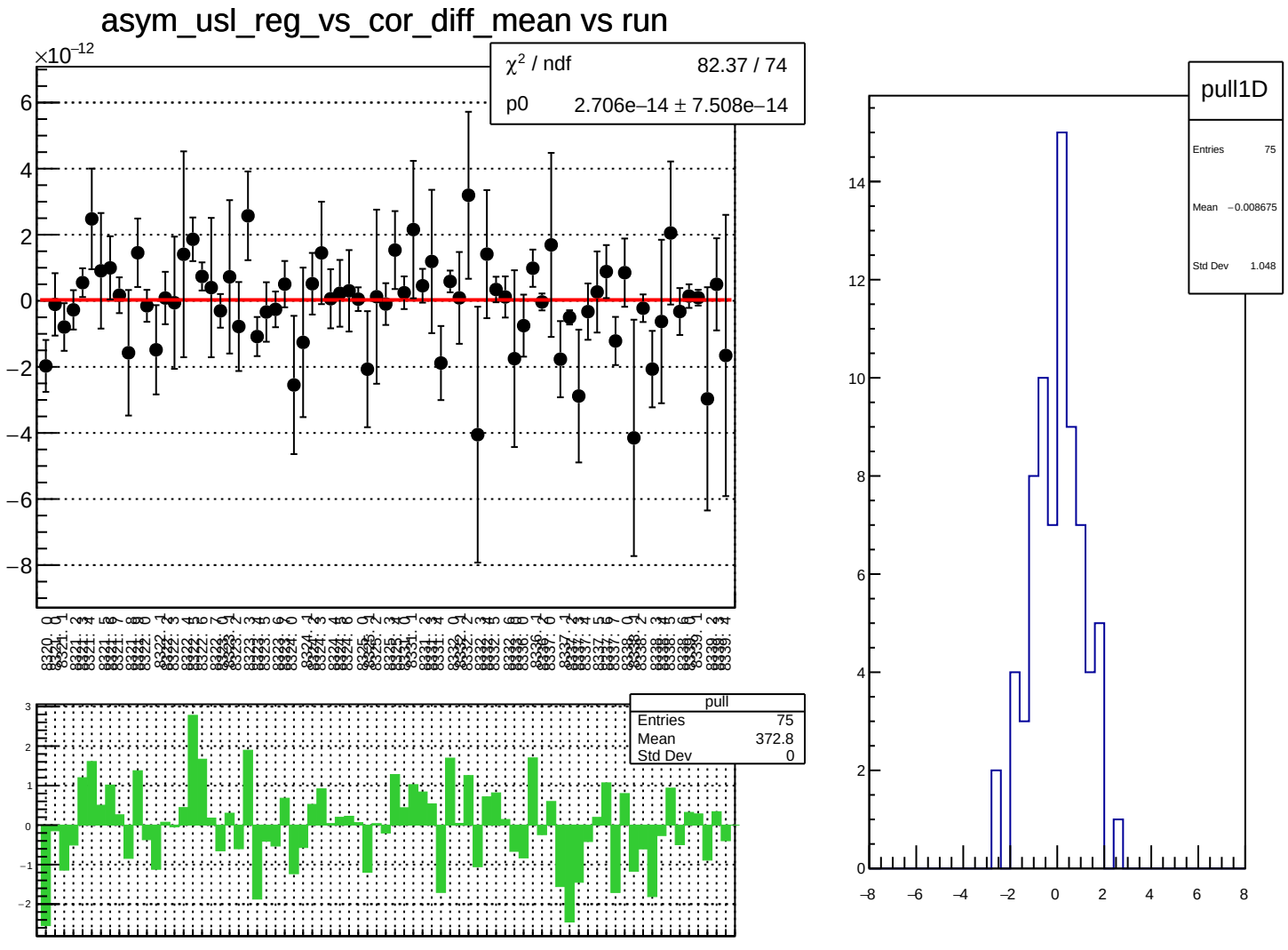

pull1D
Entries 75
Mean −0.005681
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

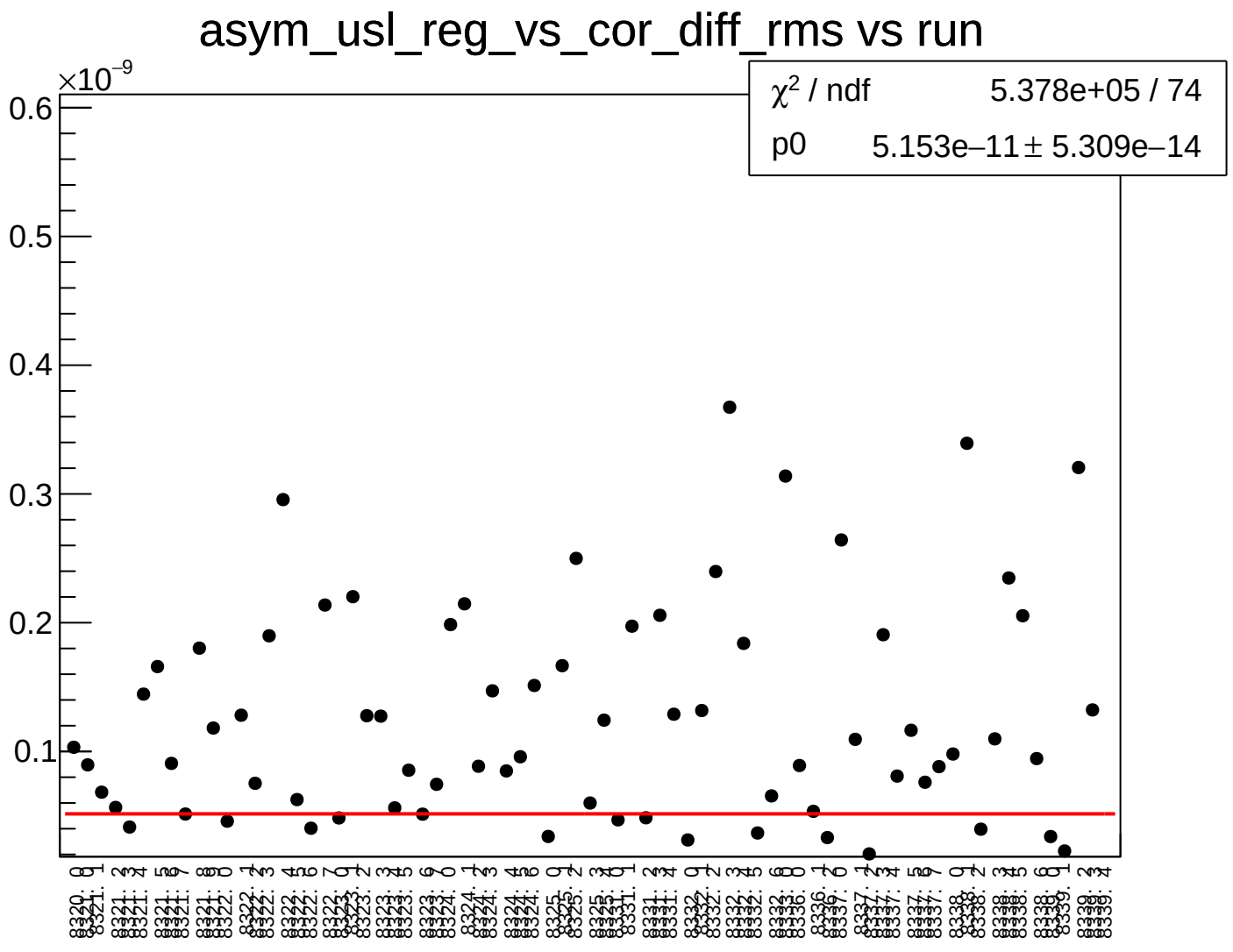

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 8793 / 74
p0 766.8 ± 0.6321
950
900
850
800
750
700

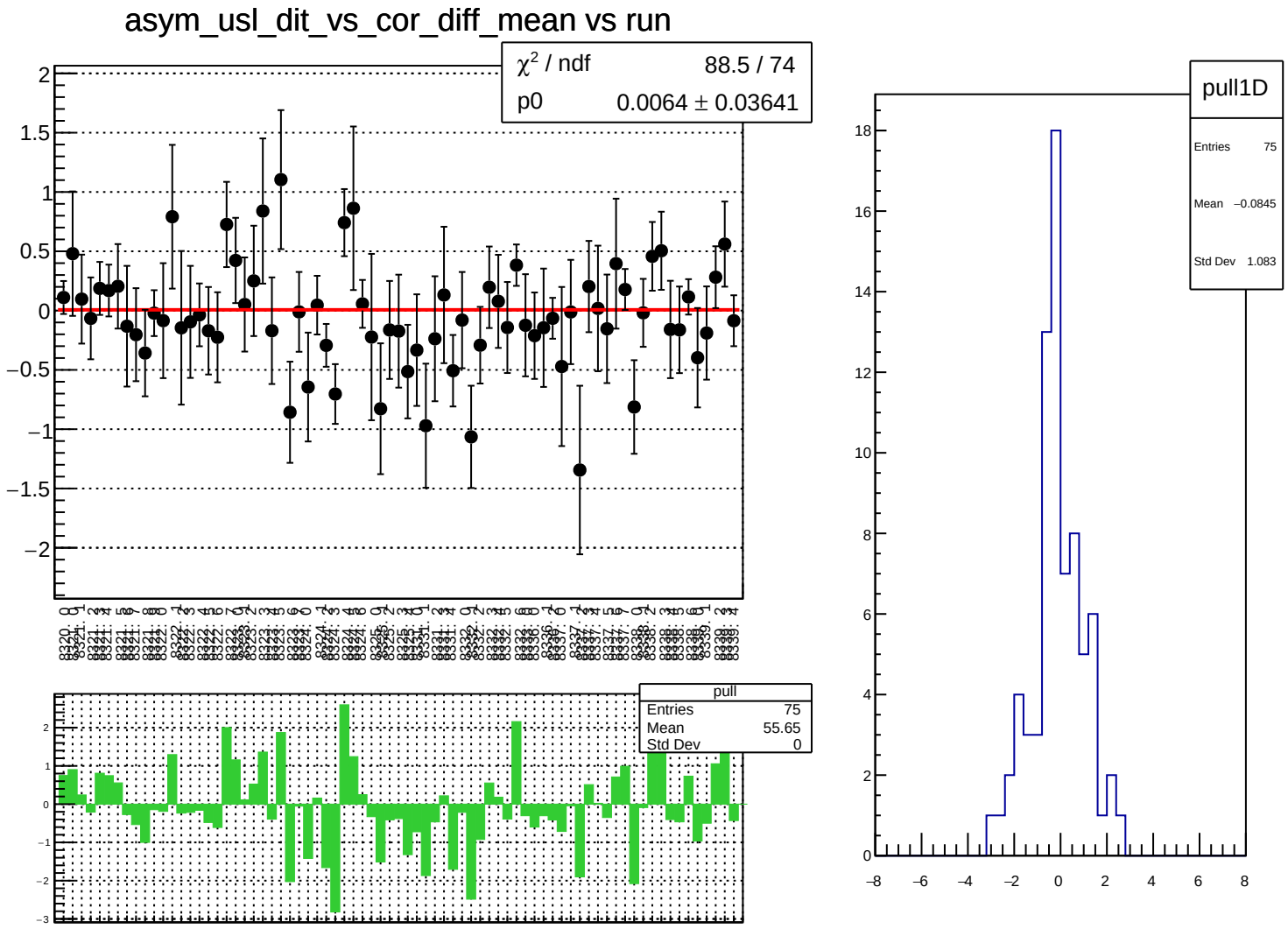

asym_usl_mean vs run
χ² / ndf 94.91 / 74
p0 3959 ± 1537
60000
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −788
Std Dev 0
3
2
1
0
−1
−2

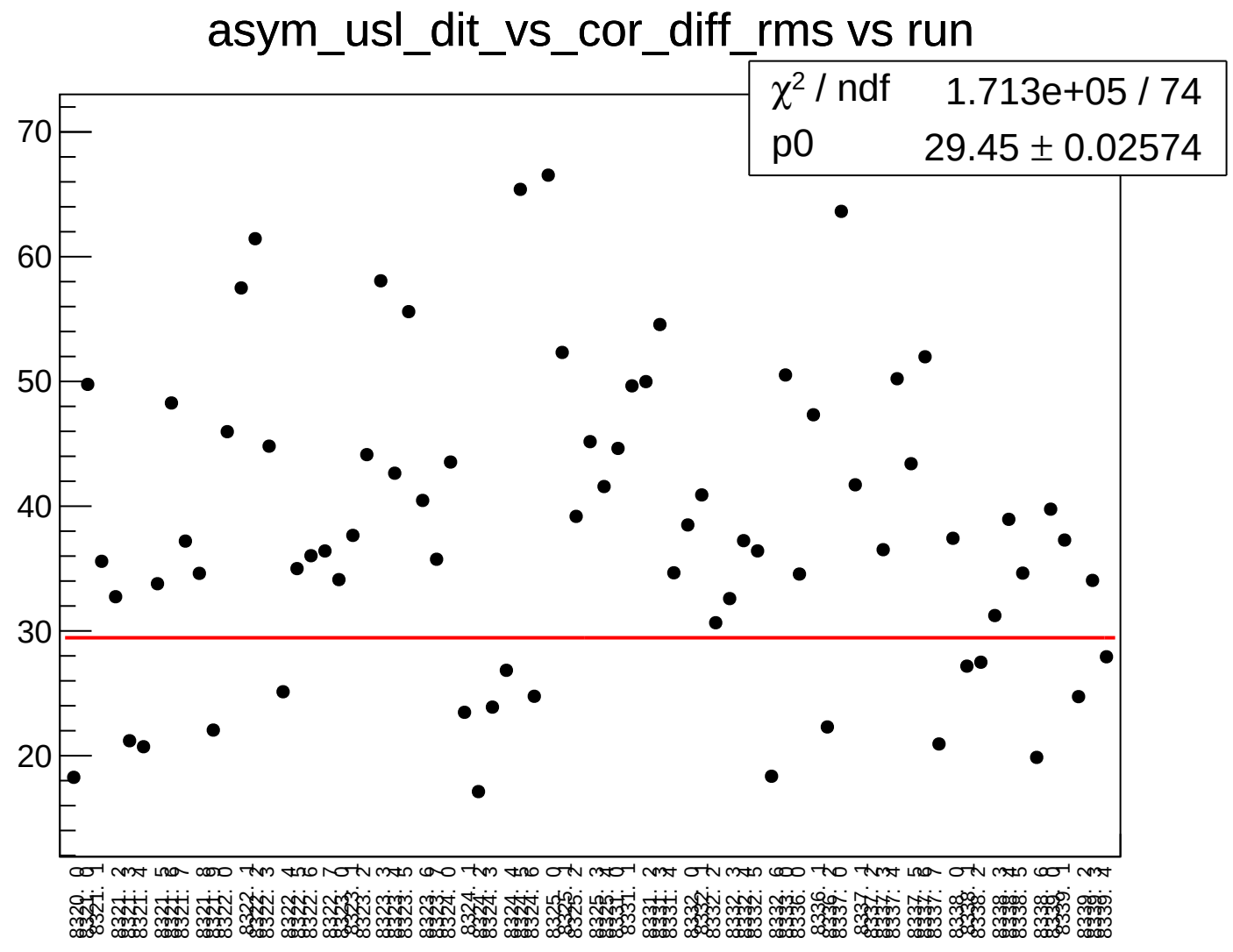

pull1D
Entries 75
Mean −0.005319
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

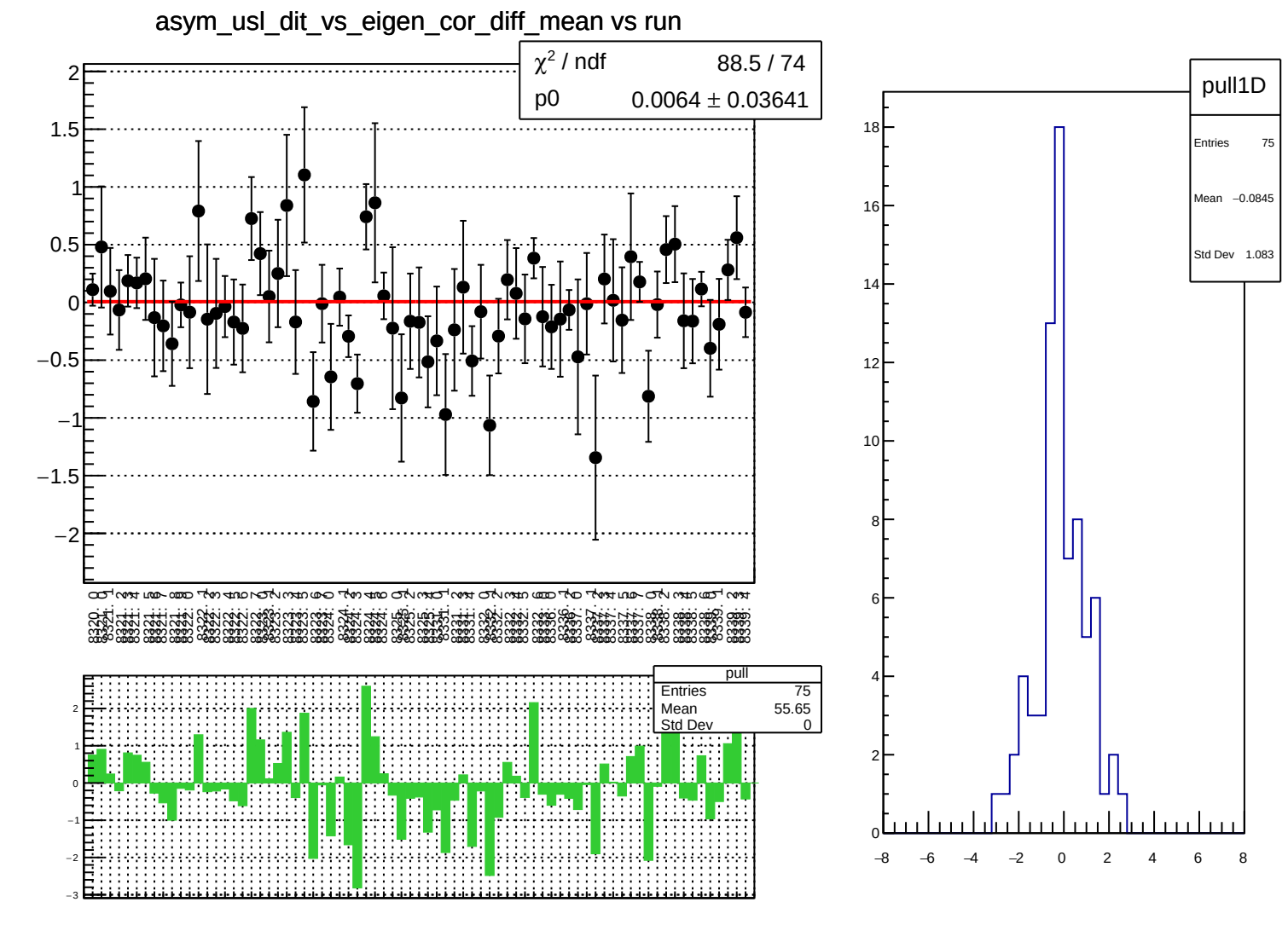

asym_usl_rms vs run
χ² / ndf 982.8 / 74
p0 1322 ± 1.087
1420
1400
1380
1360
1340
1320
1300
1280
1260

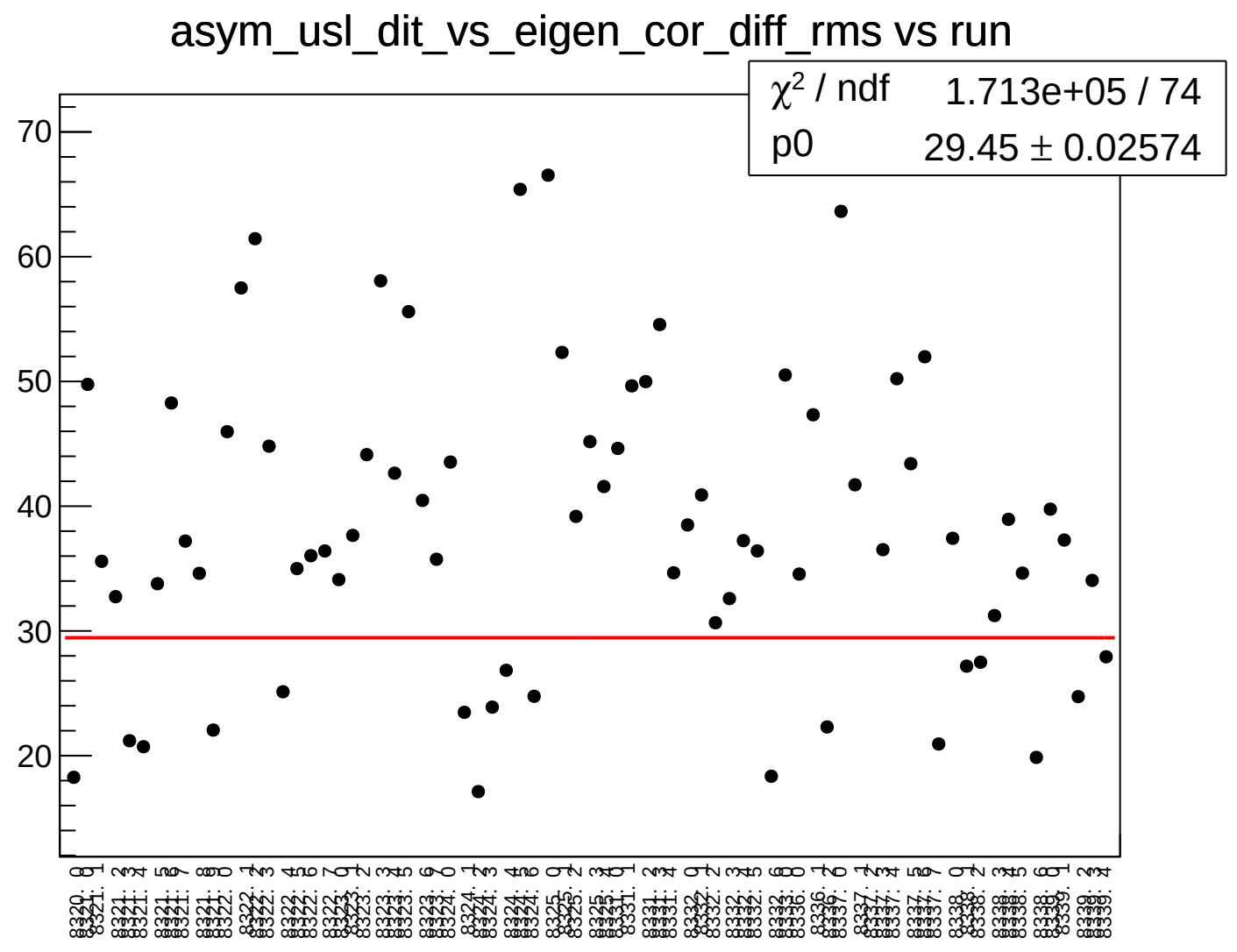

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.37 / 74
p0 2.706e−14 ± 7.508e−14
pull
Entries 75
Mean 372.8
Std Dev 0
pull1D
Entries 75
Mean −0.008675
Std Dev 1.048

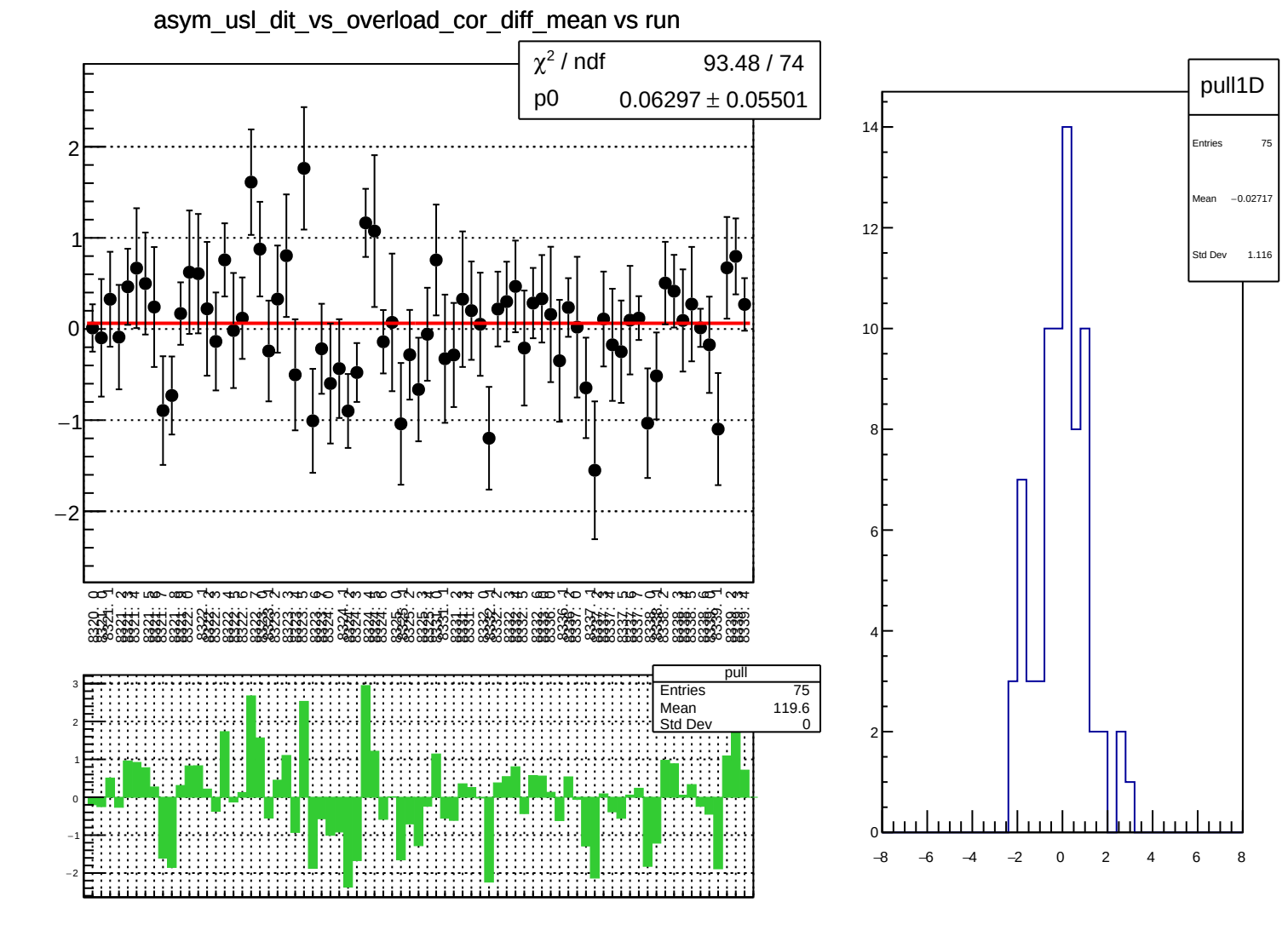

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.378e+05 / 74
p0 5.153e−11 ± 5.309e−14
0.6
0.5
0.4
0.3
0.2
0.1

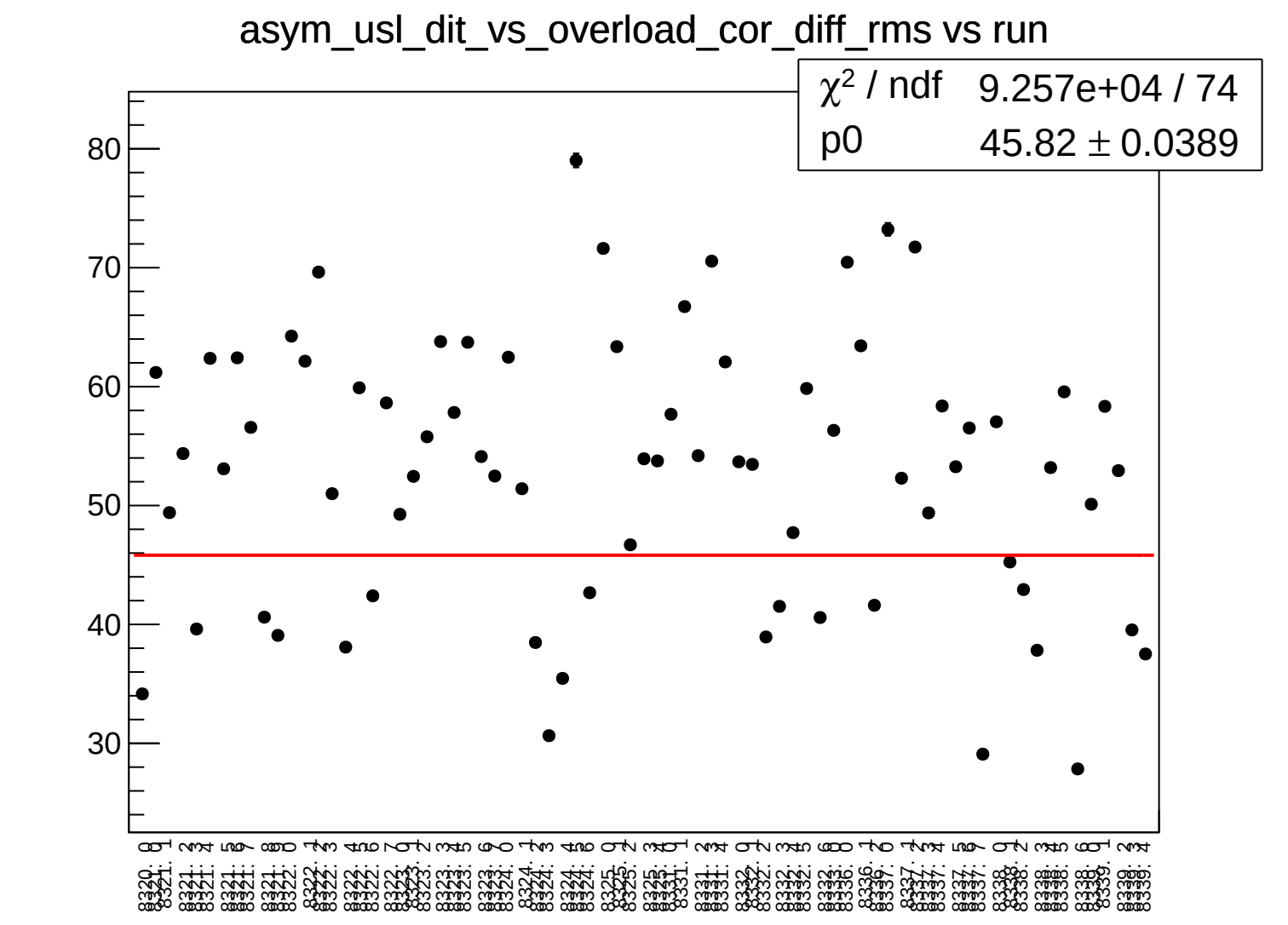

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 88.5 / 74
p0 0.0064 ± 0.03641
pull
Entries 75
Mean 55.65
Std Dev 0
pull1D
Entries 75
Mean −0.0845
Std Dev 1.083

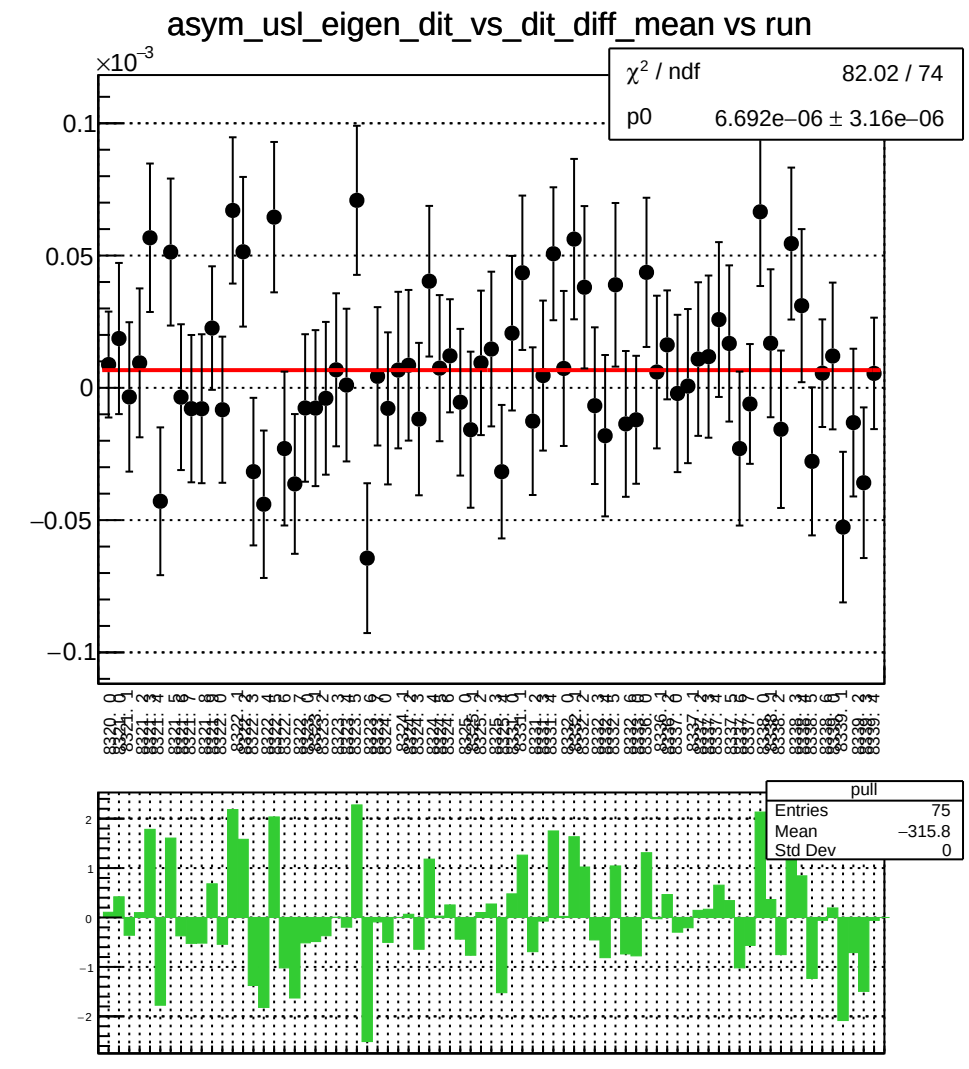

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.713e+05 / 74
p0 29.45 ± 0.02574
70
60
50
40
30
20

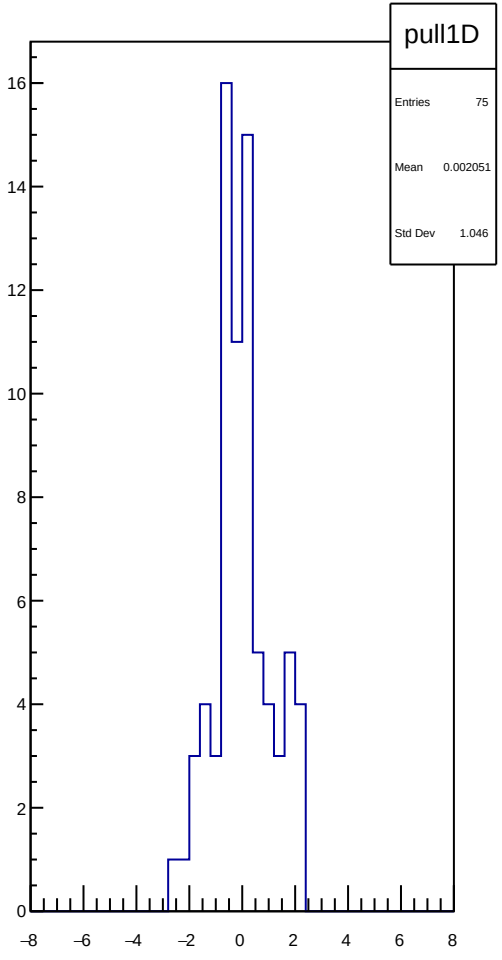

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.5 / 74
p0 0.0064 ± 0.03641
pull
Entries 75
Mean 55.65
Std Dev 0
pull1D
Entries 75
Mean −0.0845
Std Dev 1.083

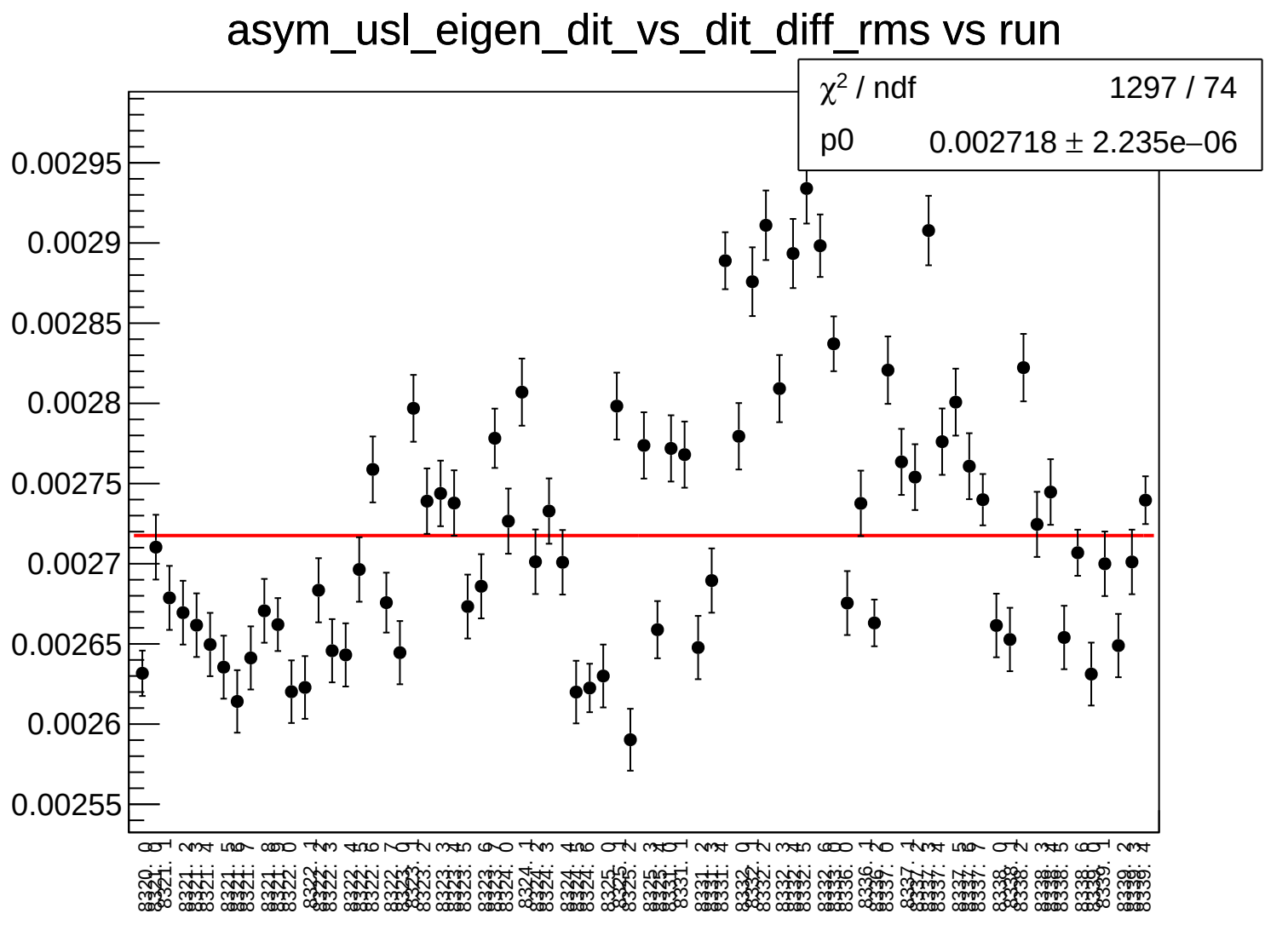

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.713e+05 / 74
p0 29.45 ± 0.02574
70
60
50
40
30
20

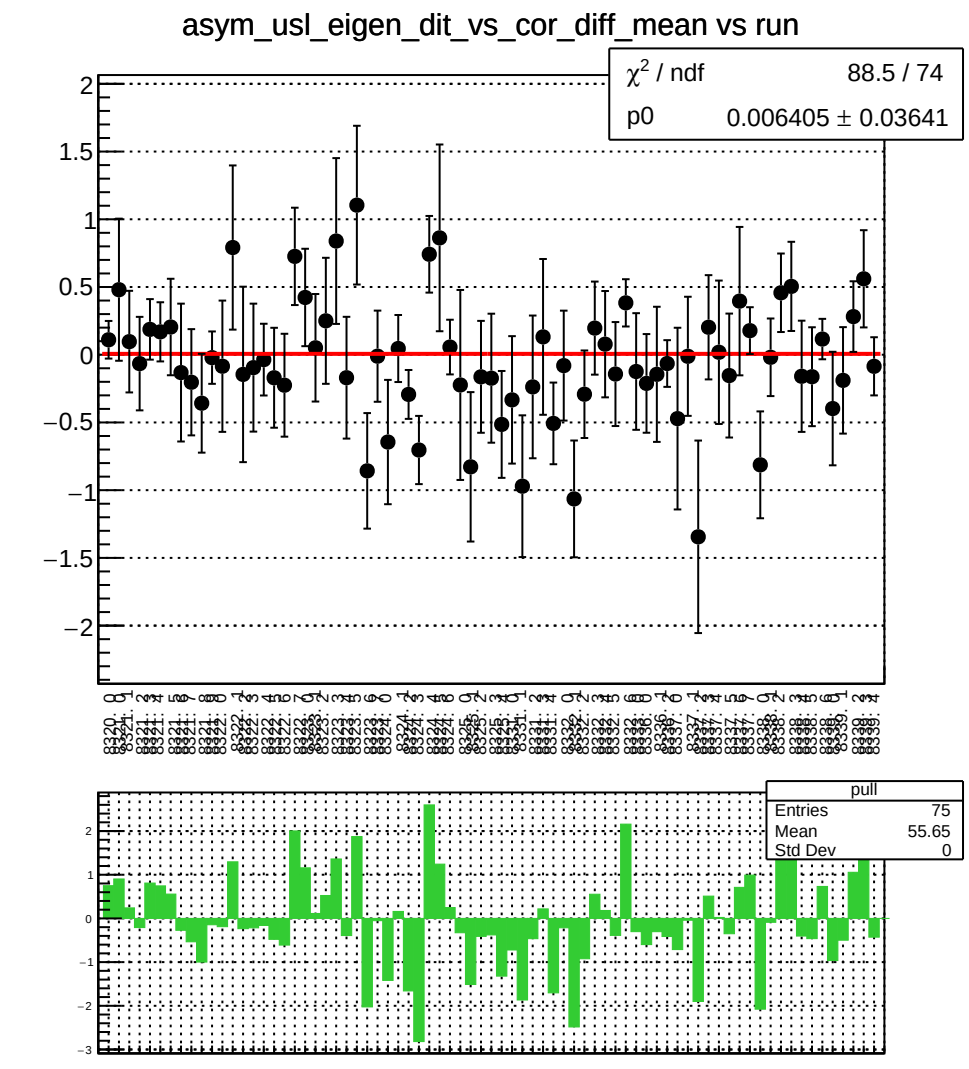

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 93.48 / 74
p0 0.06297 ± 0.05501
pull
Entries 75
Mean 119.6
Std Dev 0
pull1D
Entries 75
Mean −0.02717
Std Dev 1.116

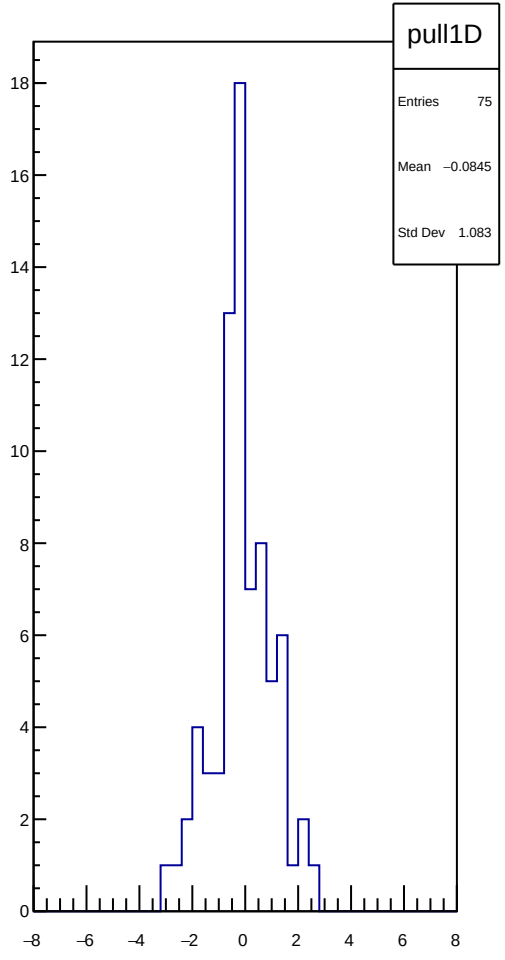

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.257e+04 / 74
p0 45.82 ± 0.0389
80
70
60
50
40
30

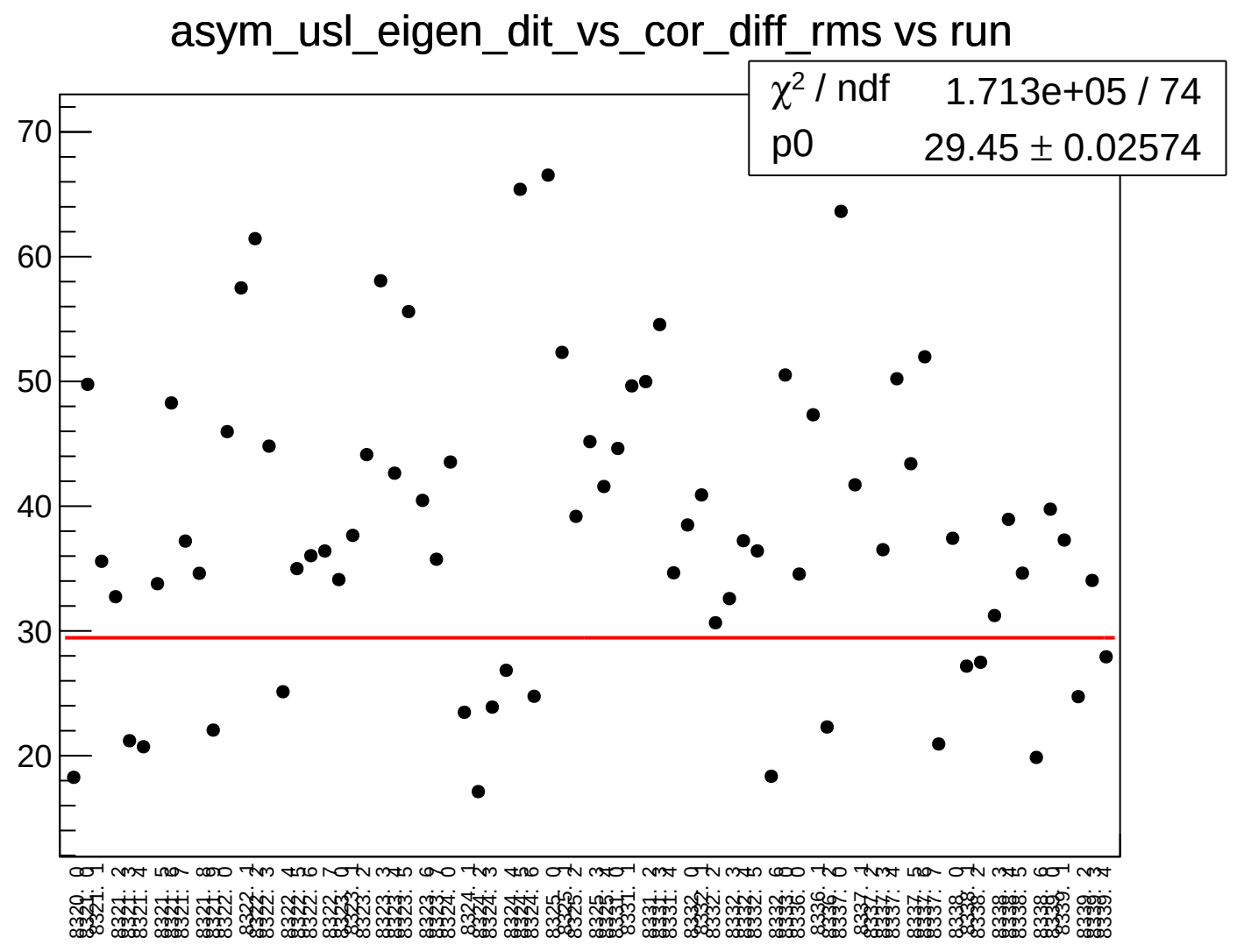

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.02 / 74
p0 6.692e−06 ± 3.16e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 75
Mean −315.8
Std Dev 0
2
1
0
−1
−2

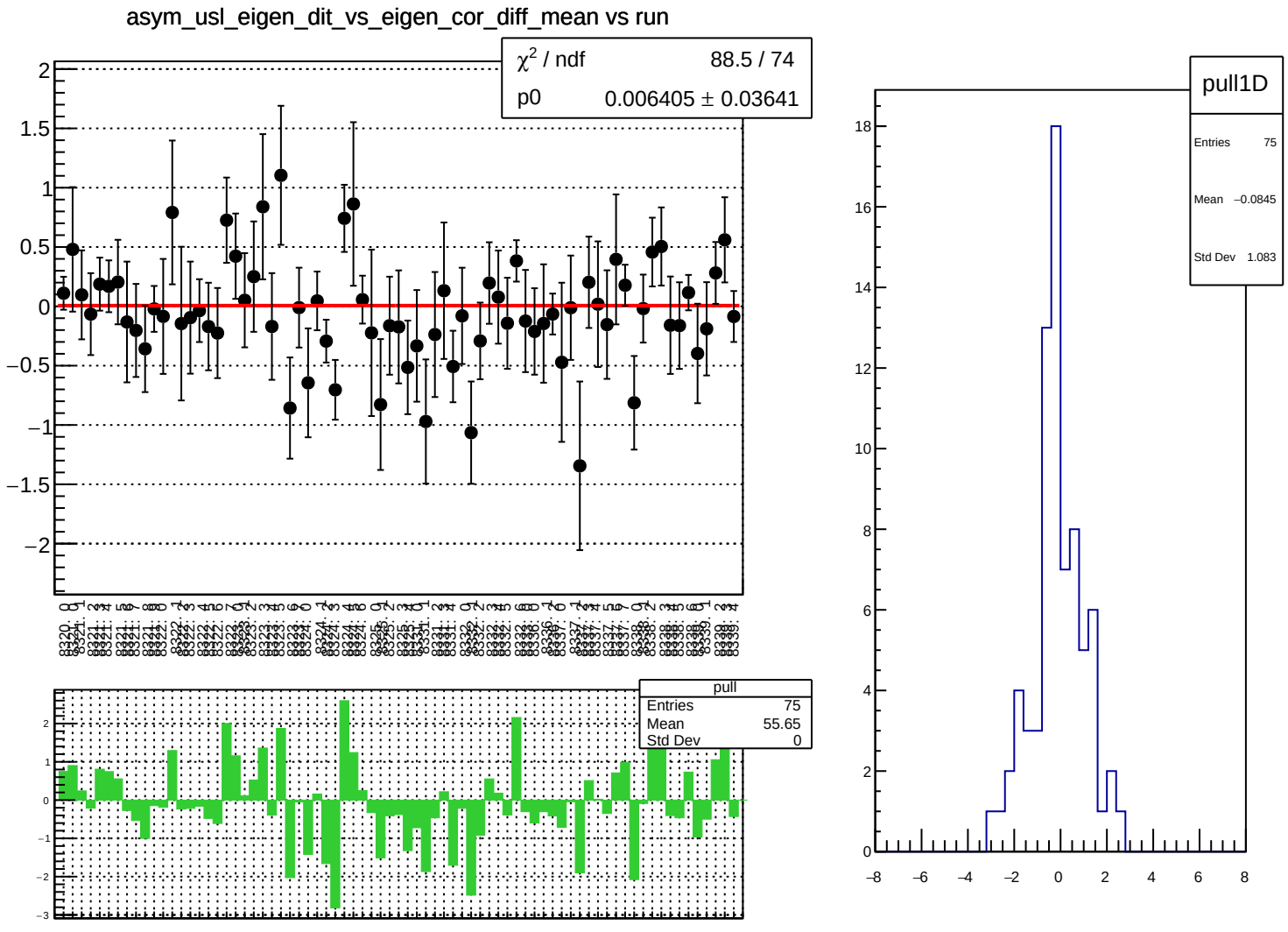

pull1D
Entries 75
Mean 0.002051
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

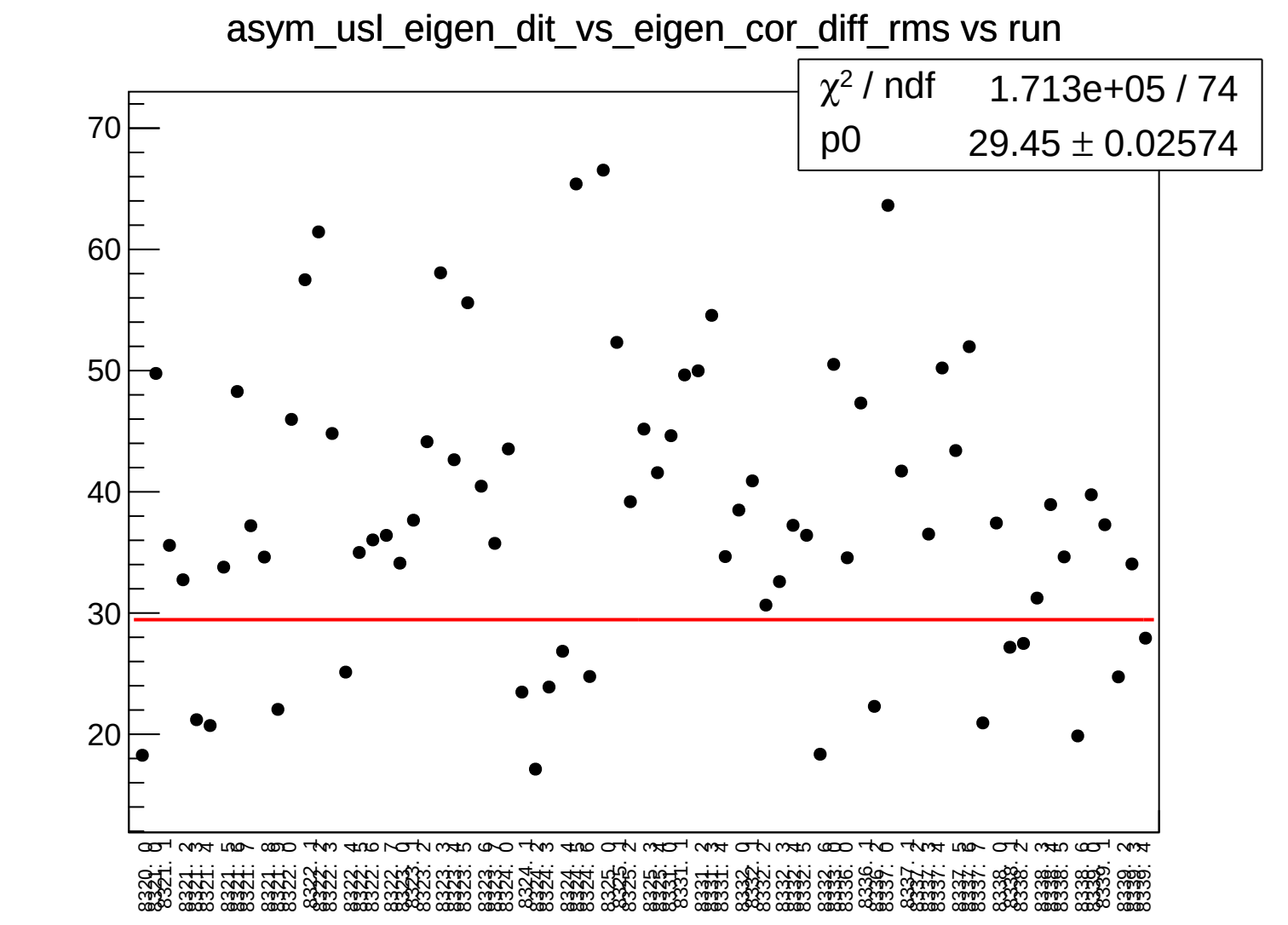

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1297 / 74
p0 0.002718 ± 2.235e−06
0.00295
0.0029
0.00285
0.0028
0.00275
0.0027
0.00265
0.0026
0.00255

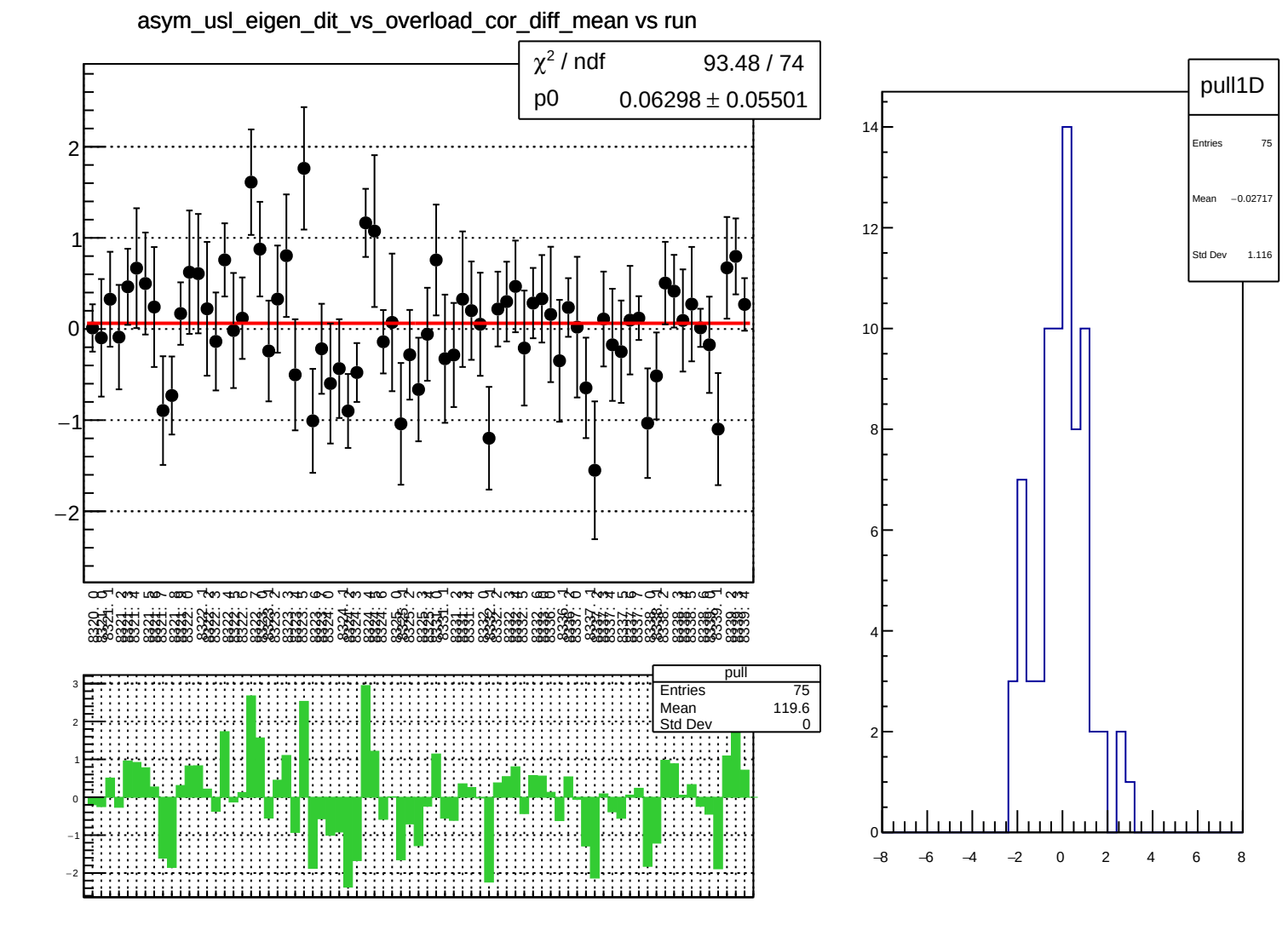

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.5 / 74
p0 0.006405 ± 0.03641
pull
Entries 75
Mean 55.65
Std Dev 0

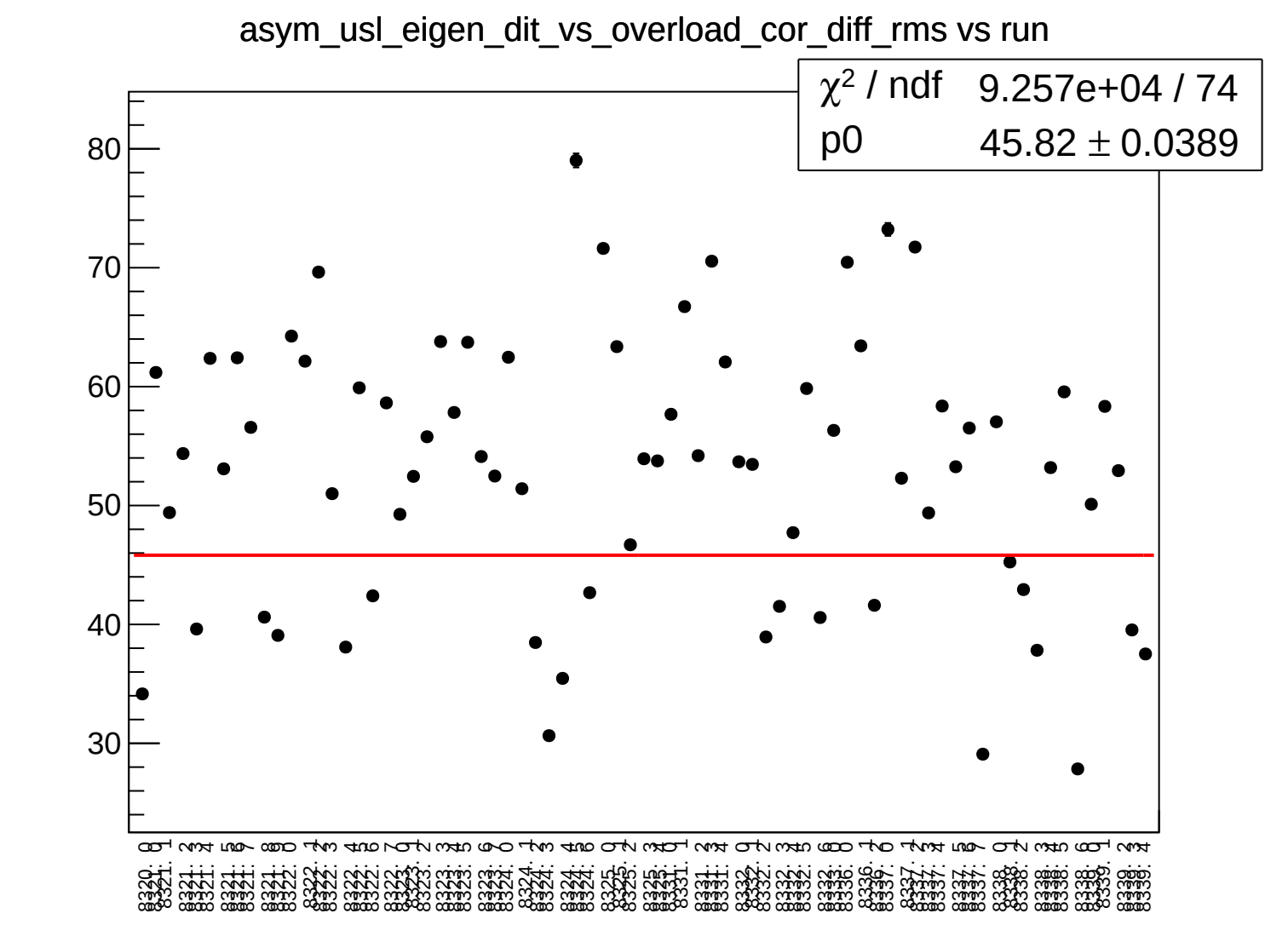

pull1D
Entries 75
Mean −0.0845
Std Dev 1.083

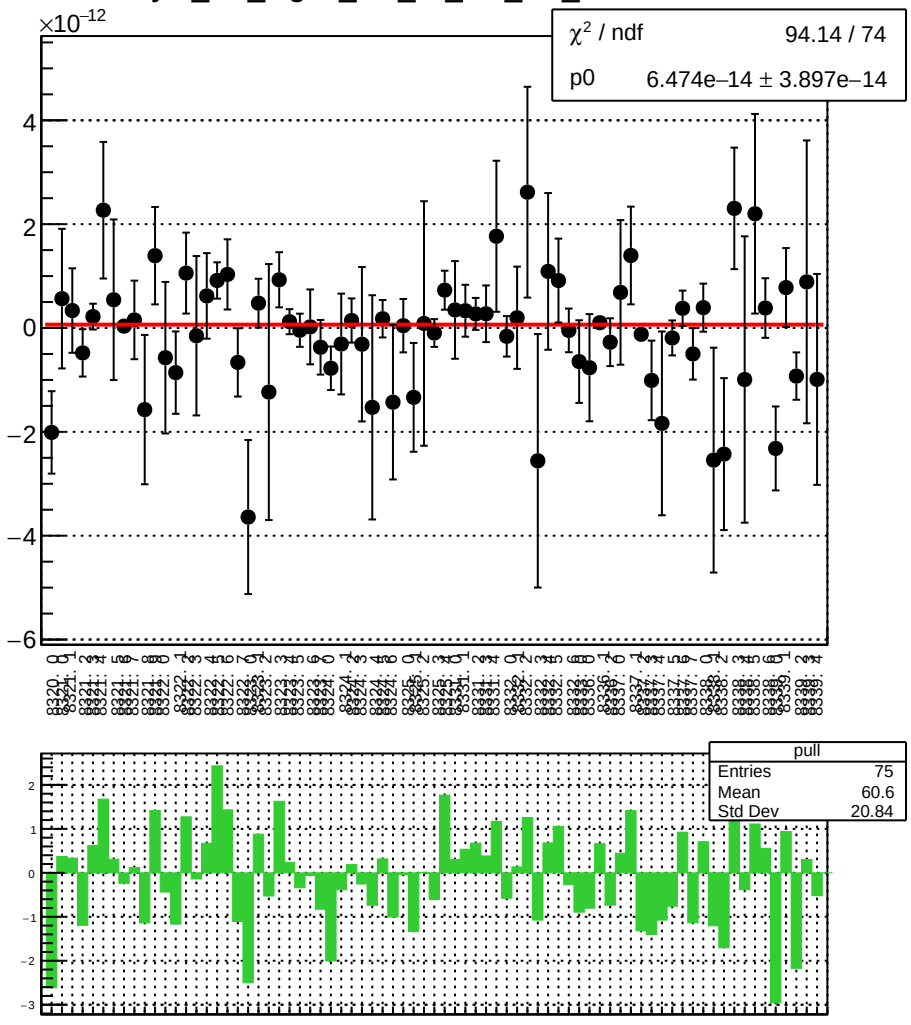

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.713e+05 / 74
p0 29.45 ± 0.02574
70
60
50
40
30
20

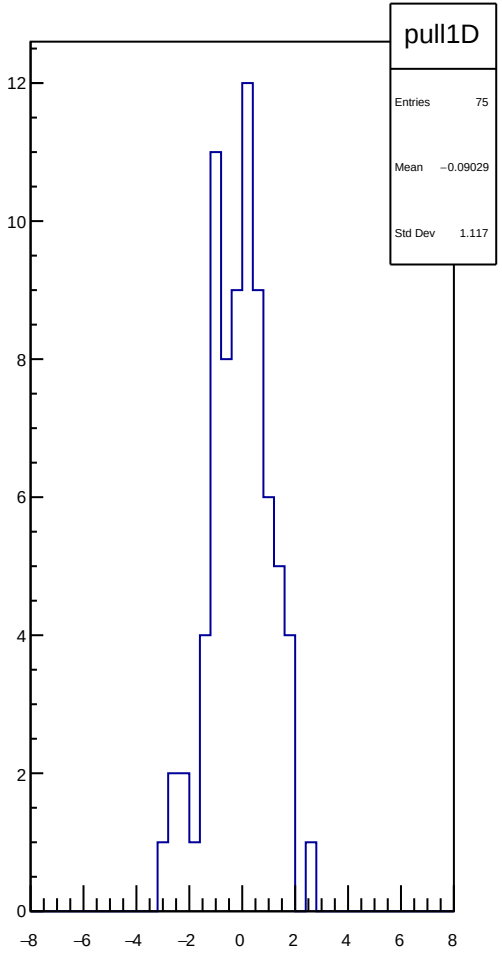

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.5 / 74
p0 0.006405 ± 0.03641
pull
Entries 75
Mean 55.65
Std Dev 0
pull1D
Entries 75
Mean −0.0845
Std Dev 1.083

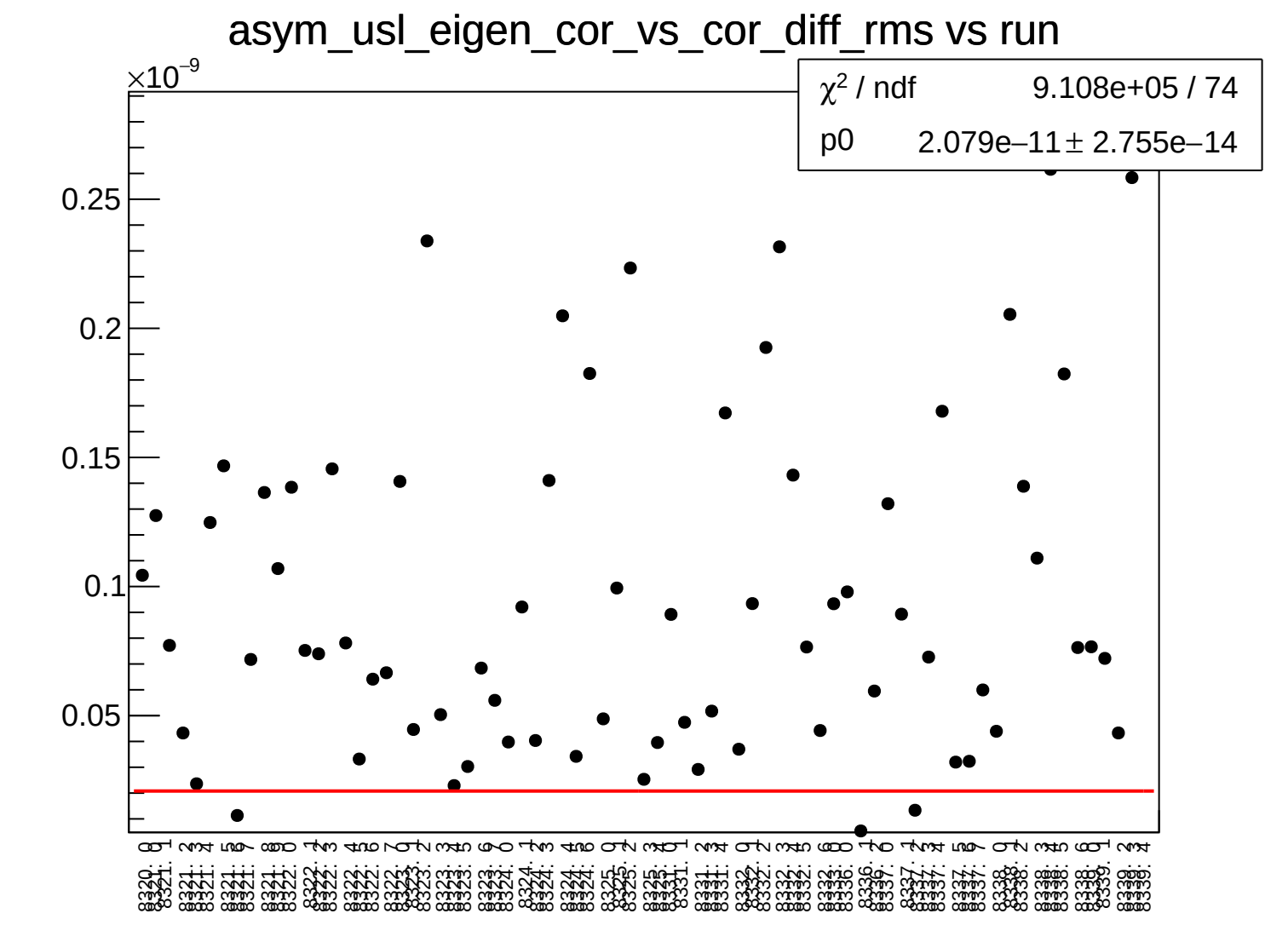

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.713e+05 / 74
p0 29.45 ± 0.02574
70
60
50
40
30
20

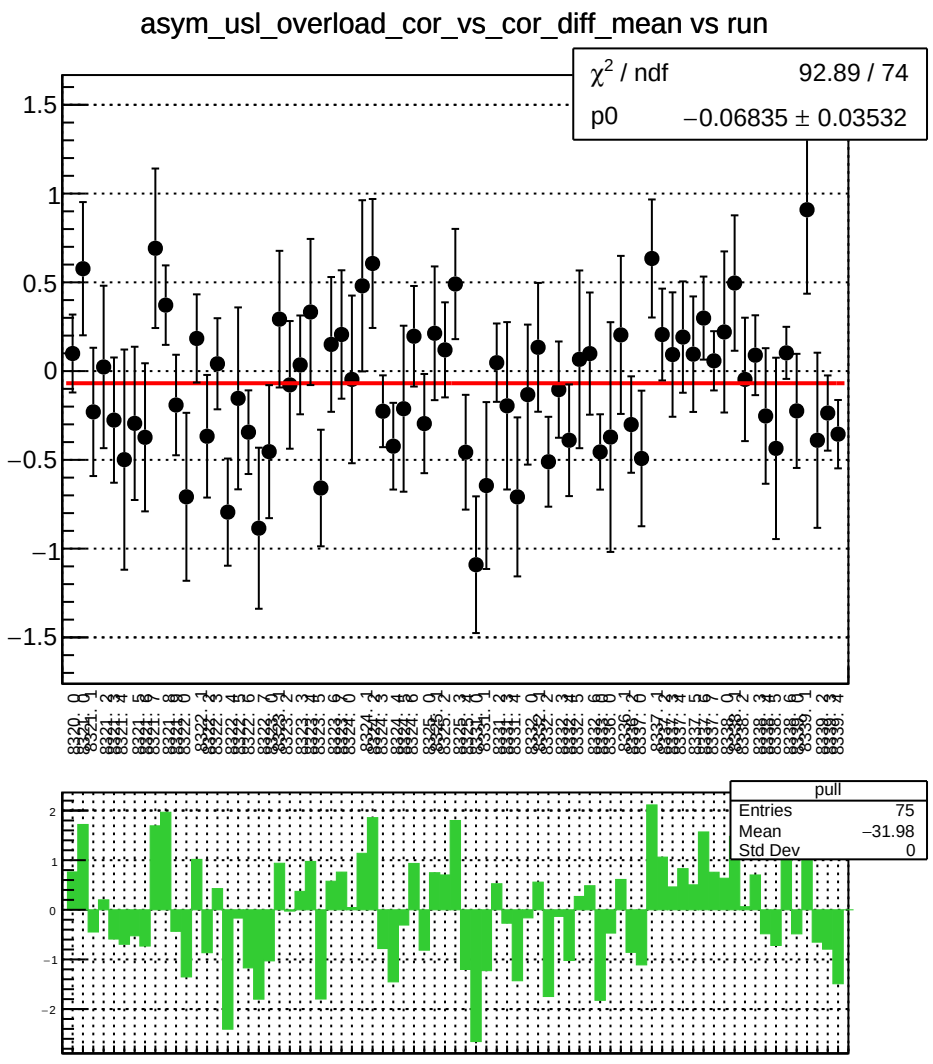

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ^2 / ndf 93.48 / 74
p0 0.06298 ± 0.05501
pull
Entries 75
Mean 119.6
Std Dev 0
pull1D
Entries 75
Mean −0.02717
Std Dev 1.116

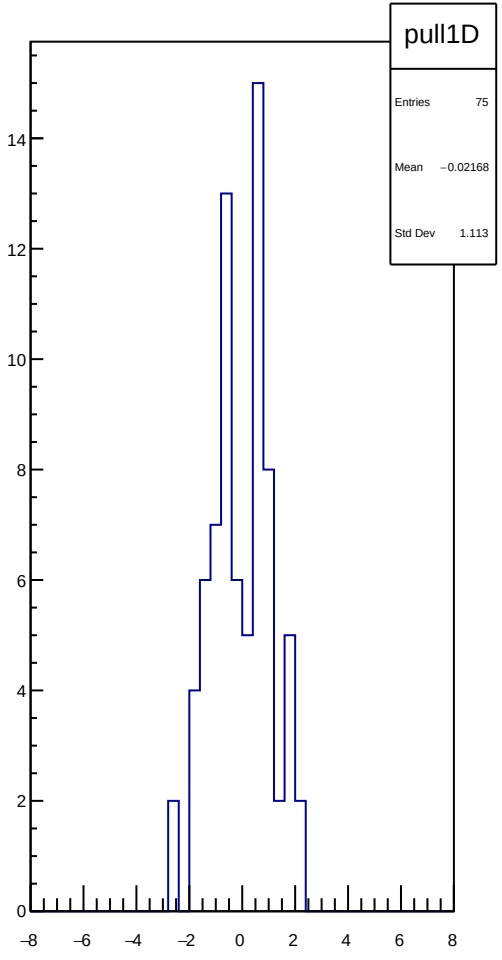

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 9.257e+04 / 74
p0 45.82 ± 0.0389
80
70
60
50
40
30

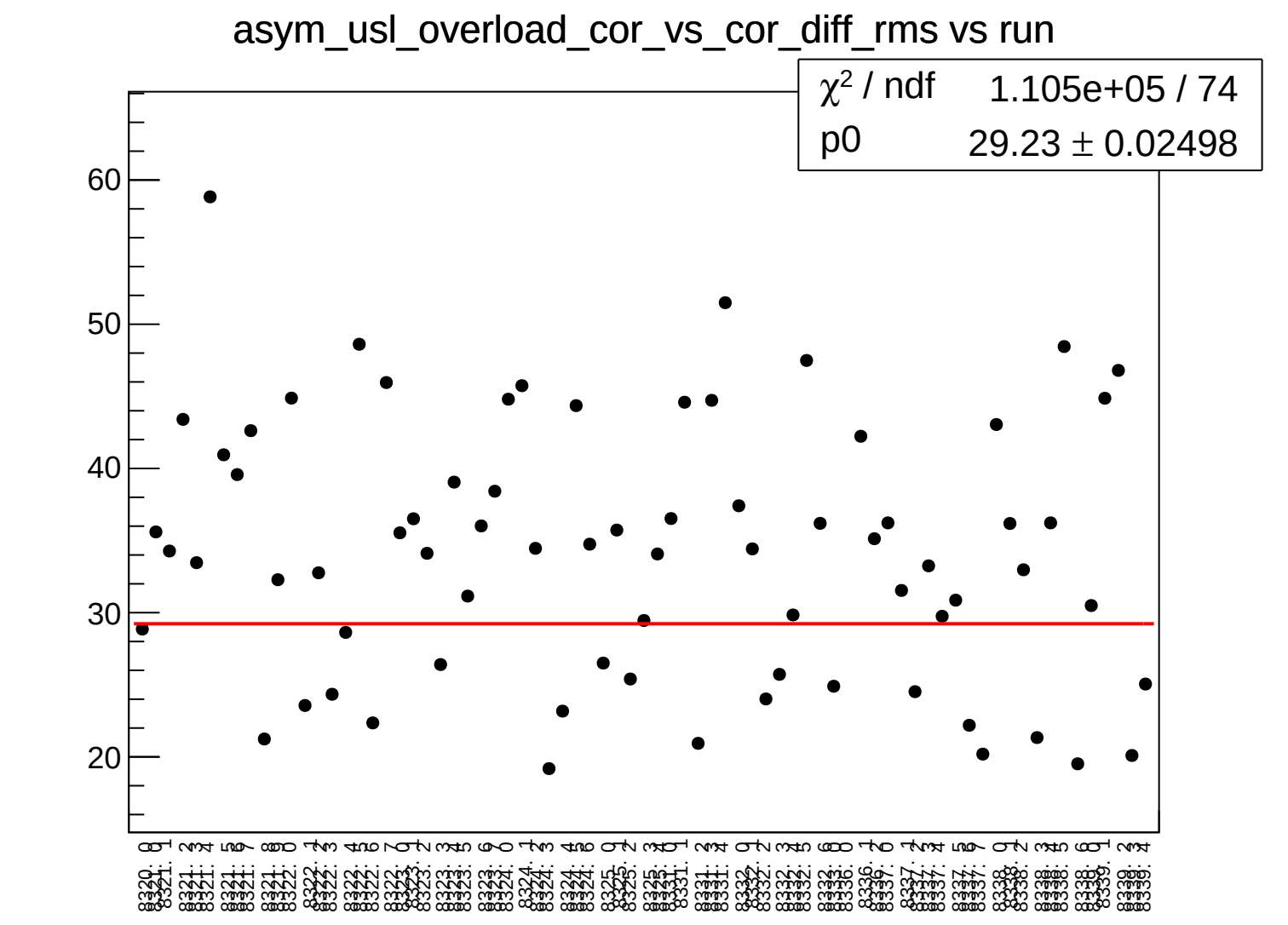

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.14 / 74
p0 6.474e−14 ± 3.897e−14
pull
Entries 75
Mean 60.6
Std Dev 20.84

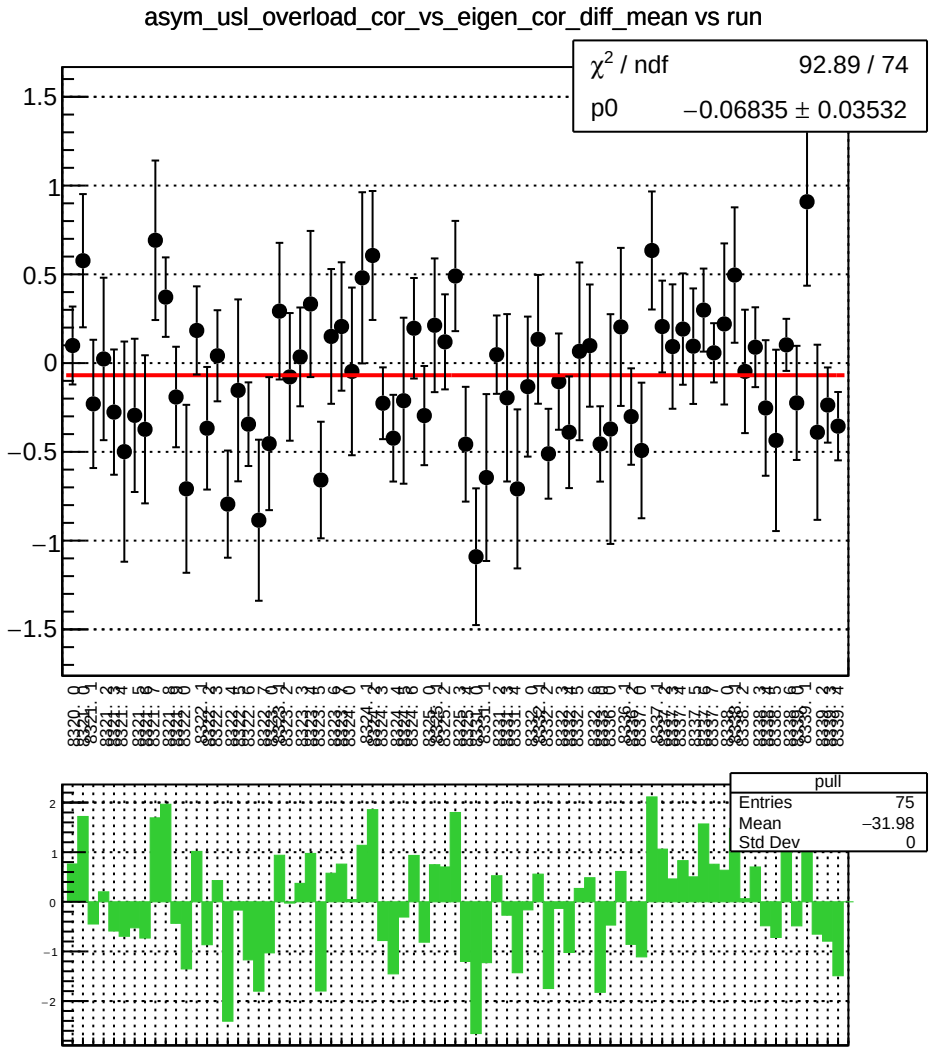

pull1D
Entries 75
Mean −0.09029
Std Dev 1.117

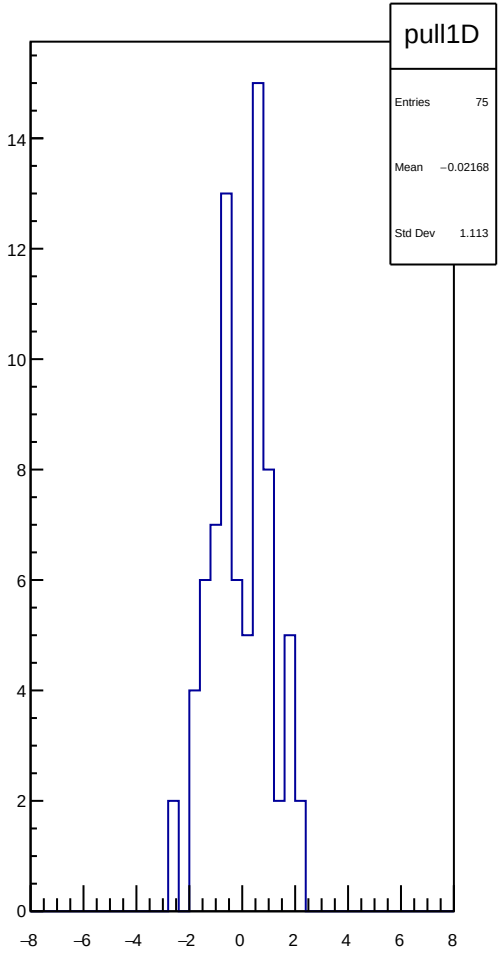

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 9.108e+05 / 74
p0 2.079e−11 ± 2.755e−14
0.25
0.2
0.15
0.1
0.05

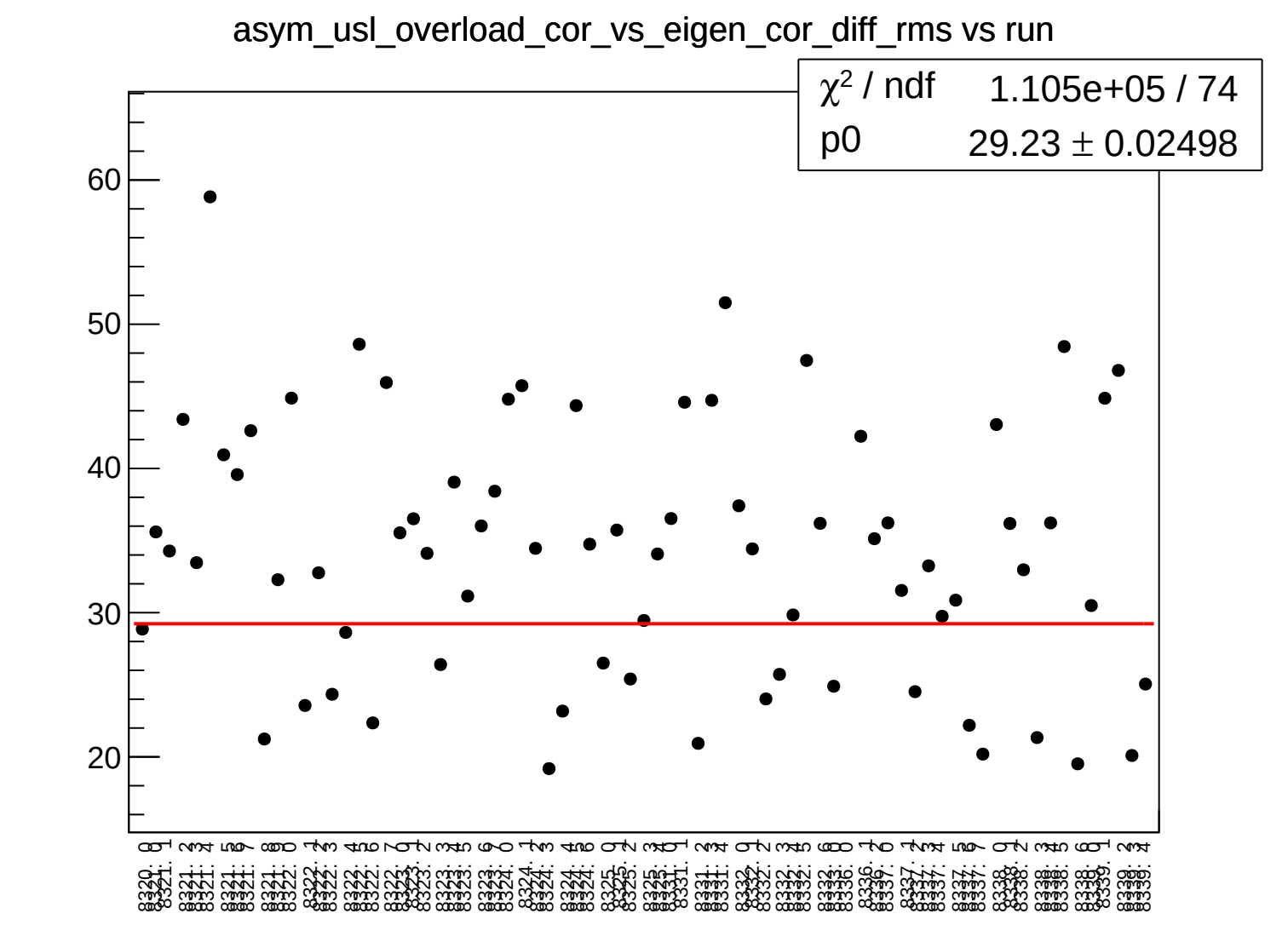

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 92.89 / 74
p0 −0.06835 ± 0.03532
pull
Entries 75
Mean −31.98
Std Dev 0

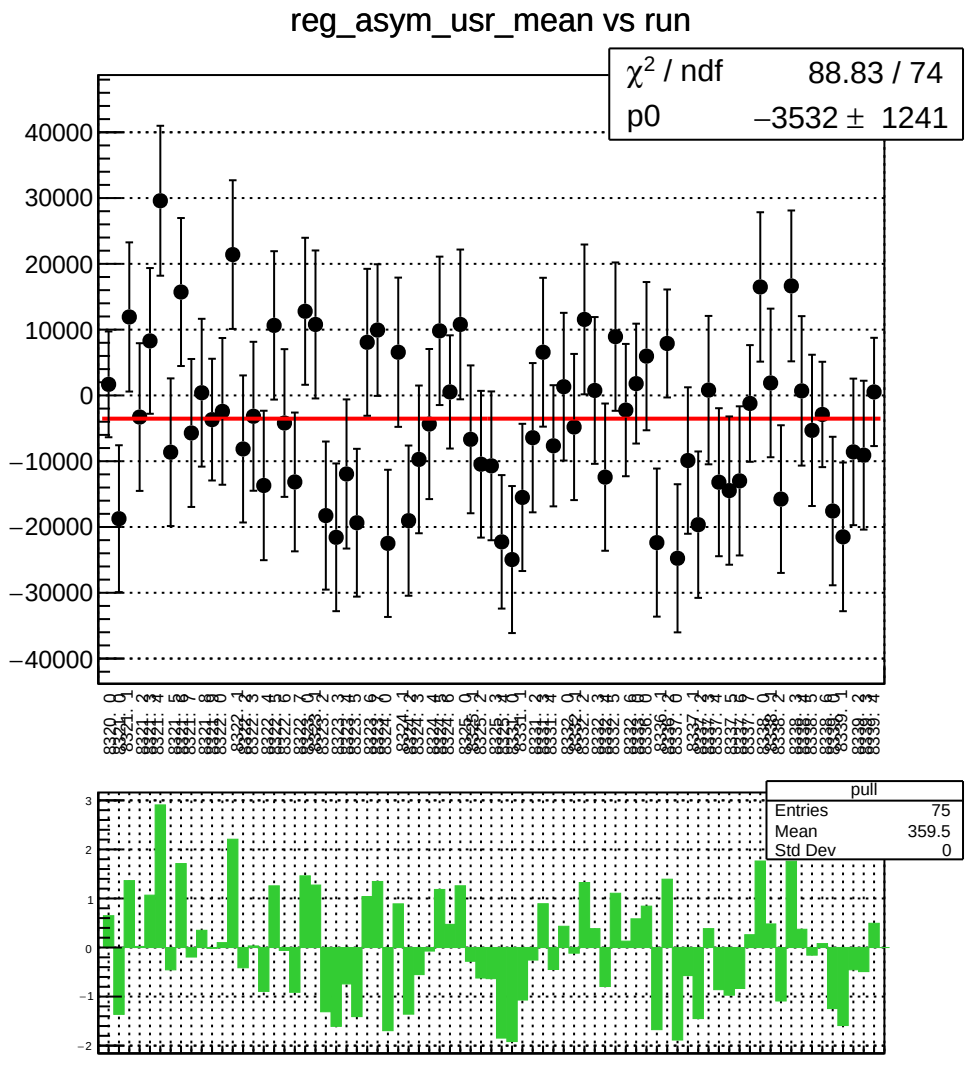

pull1D
Entries 75
Mean −0.02168
Std Dev 1.113

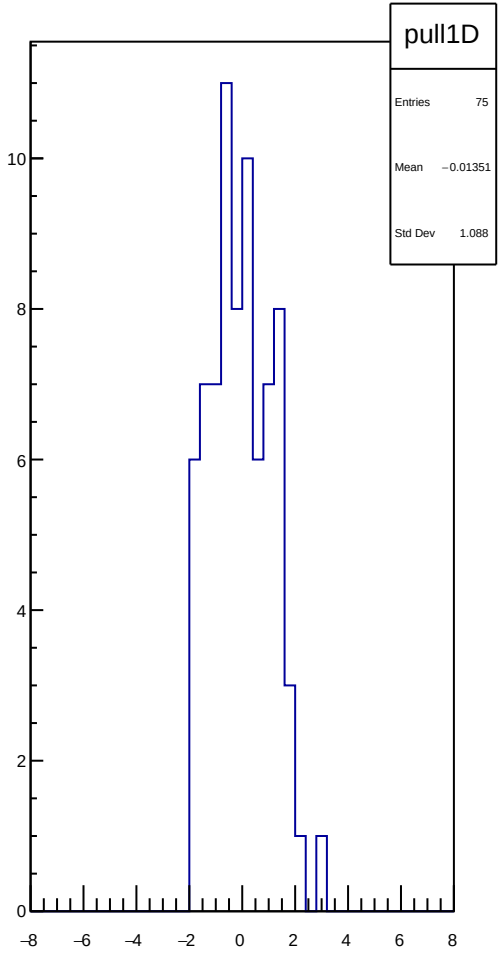

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 1.105e+05 / 74
p0 29.23 ± 0.02498
60
50
40
30
20

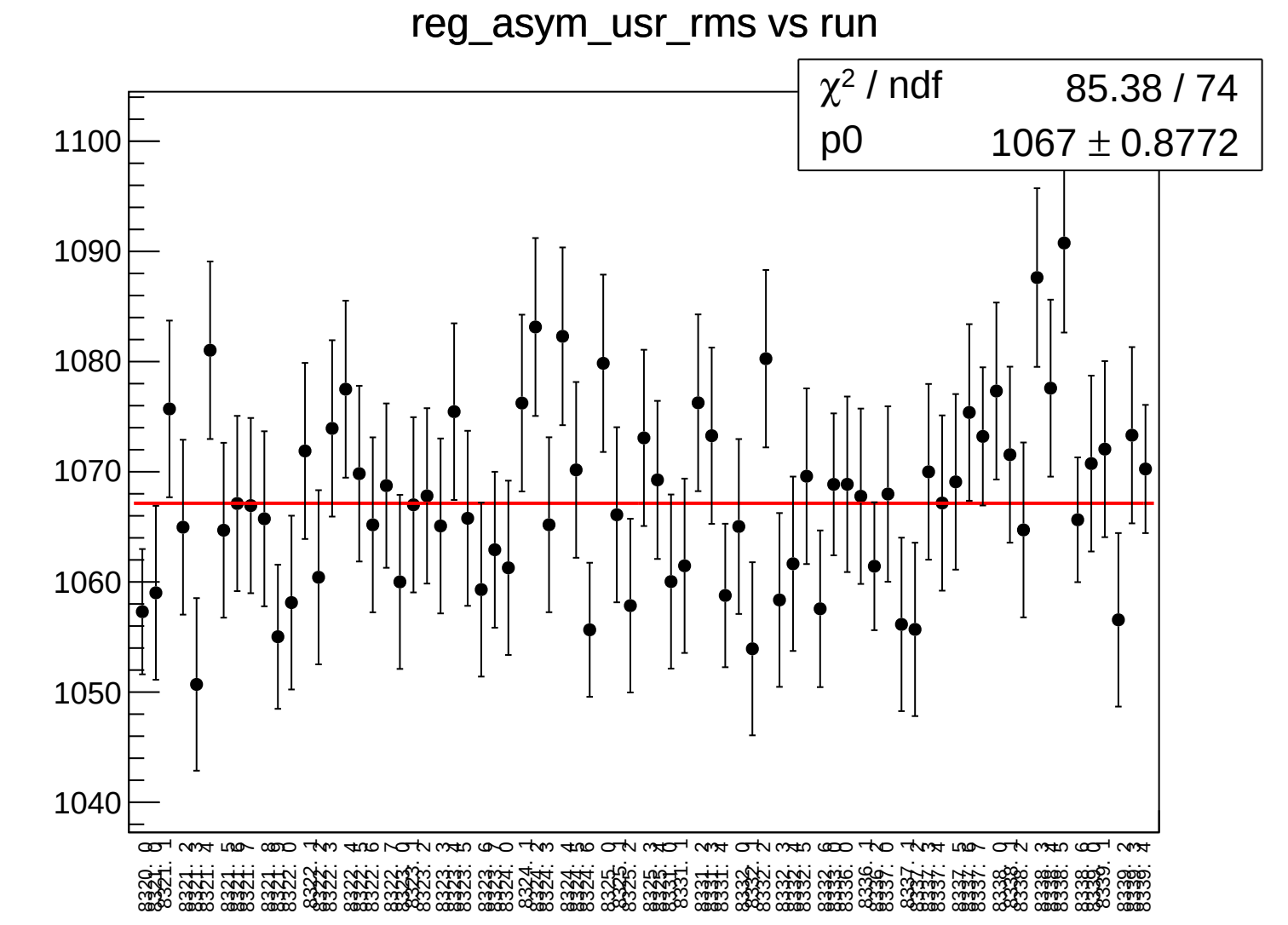

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 92.89 / 74
p0 −0.06835 ± 0.03532
pull
Entries 75
Mean −31.98
Std Dev 0

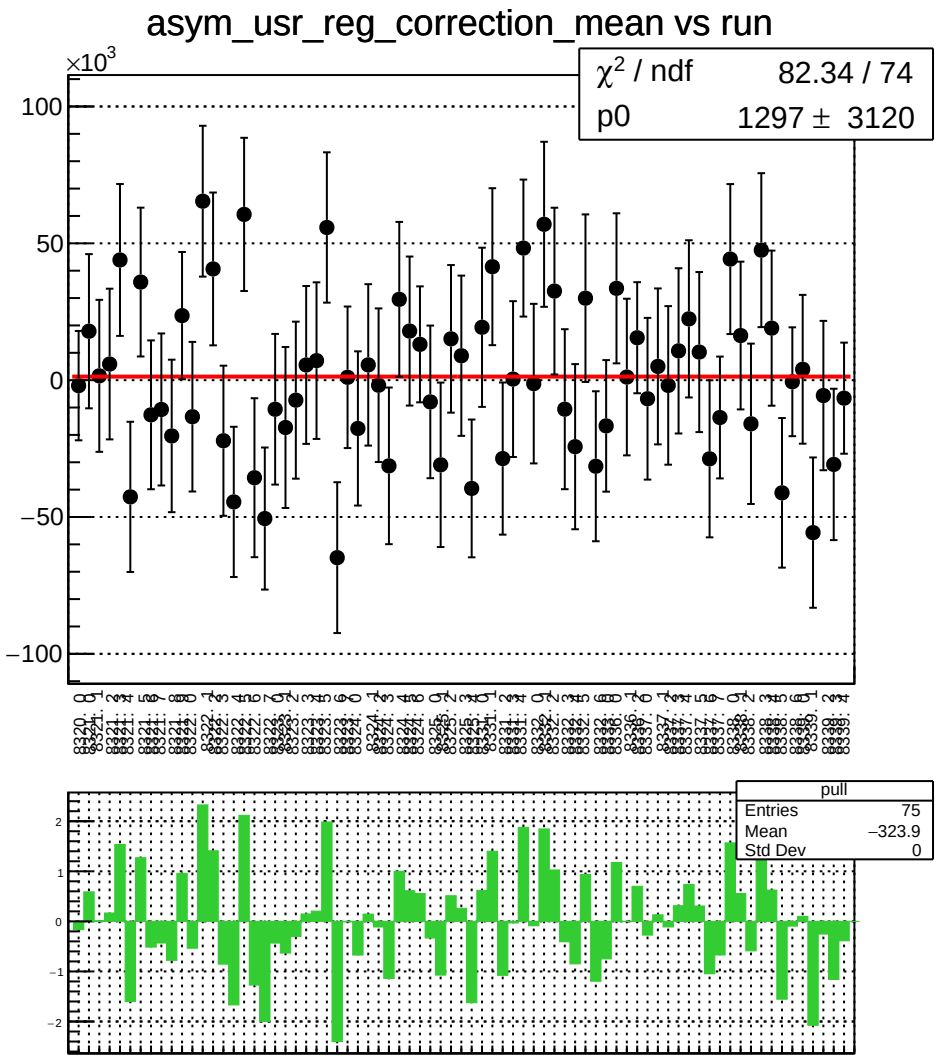

pull1D
Entries 75
Mean −0.02168
Std Dev 1.113

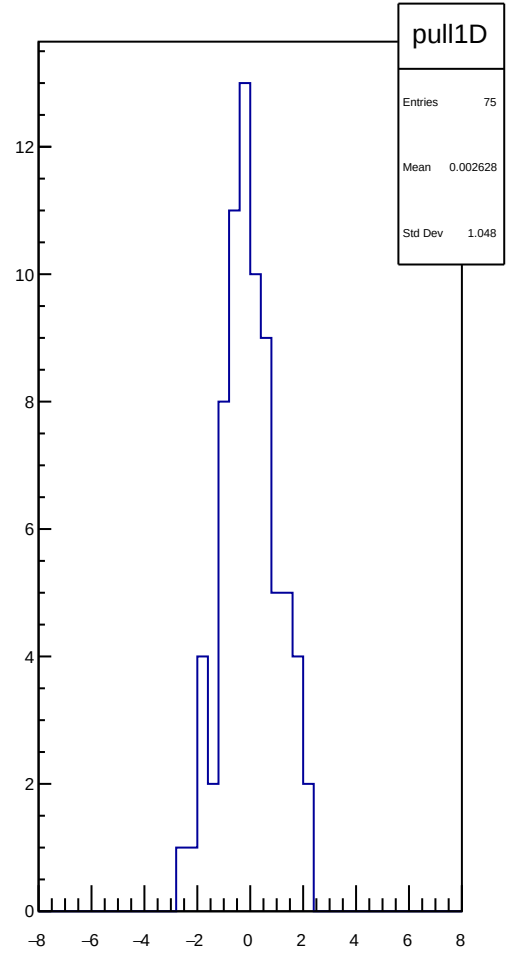

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.105e+05 / 74
p0 29.23 ± 0.02498
60
50
40
30
20

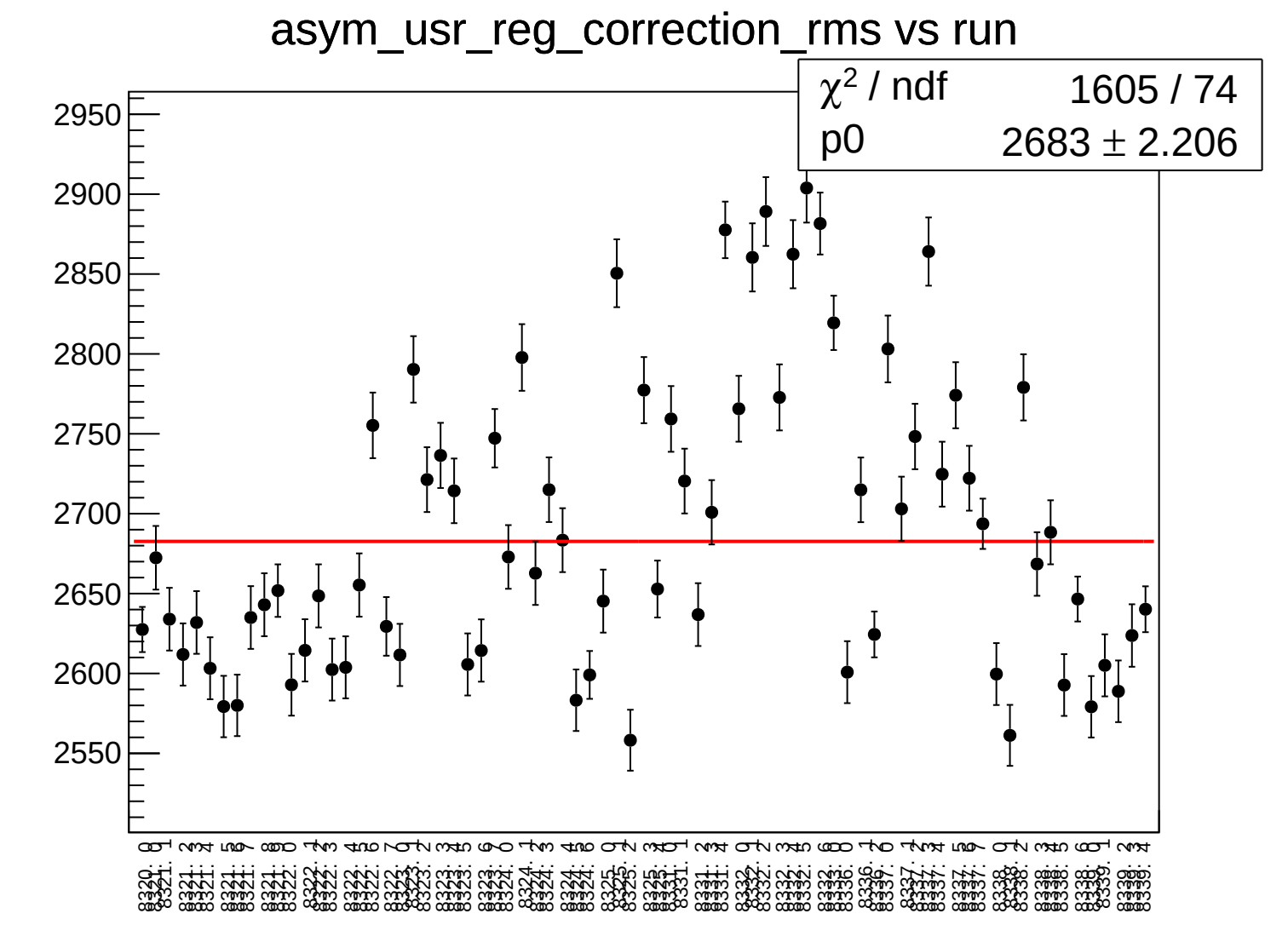

reg_asym_usr_mean vs run
χ² / ndf 88.83 / 74
p0 −3532 ± 1241
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 75
Mean 359.5
Std Dev 0
3
2
1
0
−1
−2

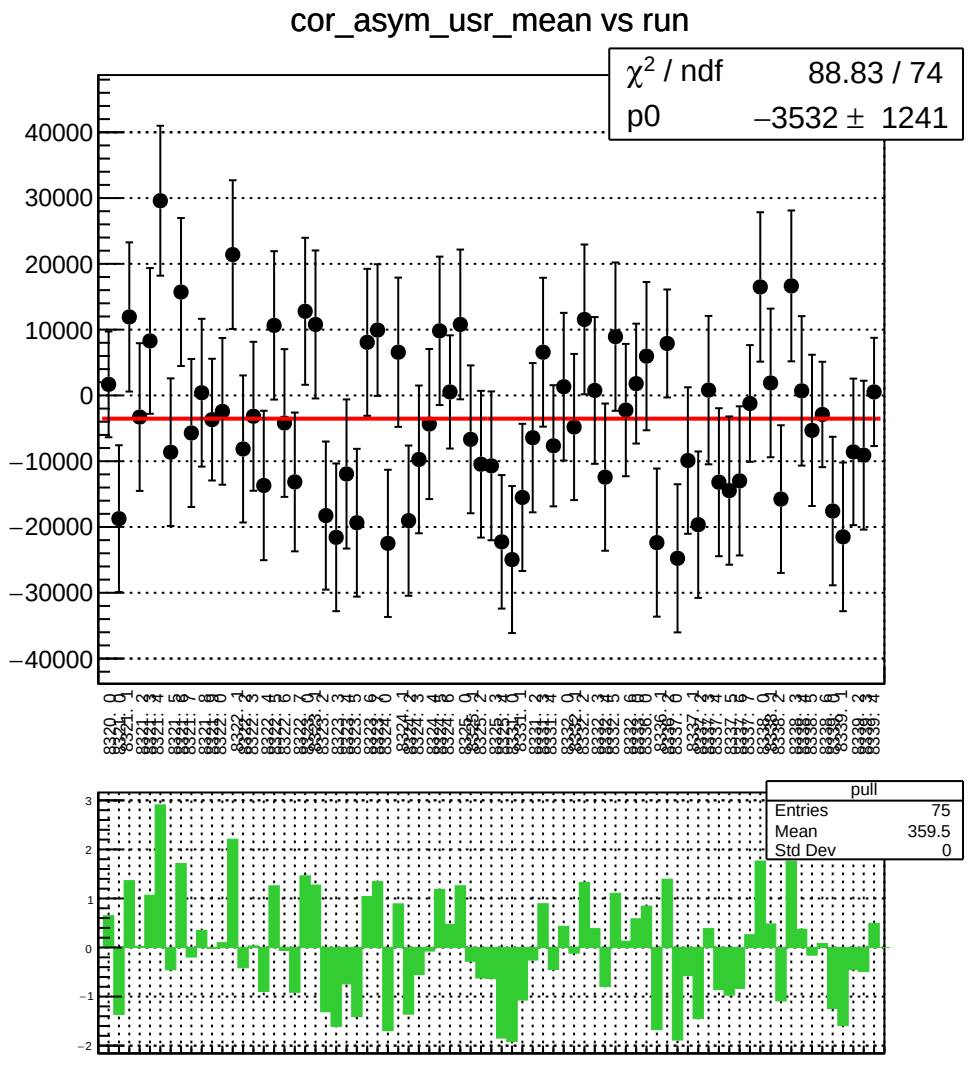

pull1D
Entries 75
Mean −0.01351
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

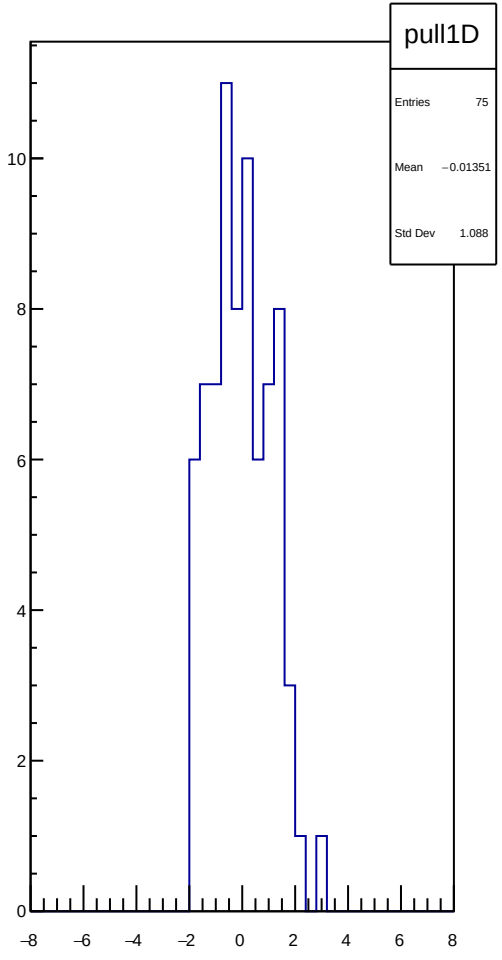

reg_asym_usr_rms vs run
χ² / ndf 85.38 / 74
p0 1067 ± 0.8772
1100
1090
1080
1070
1060
1050
1040

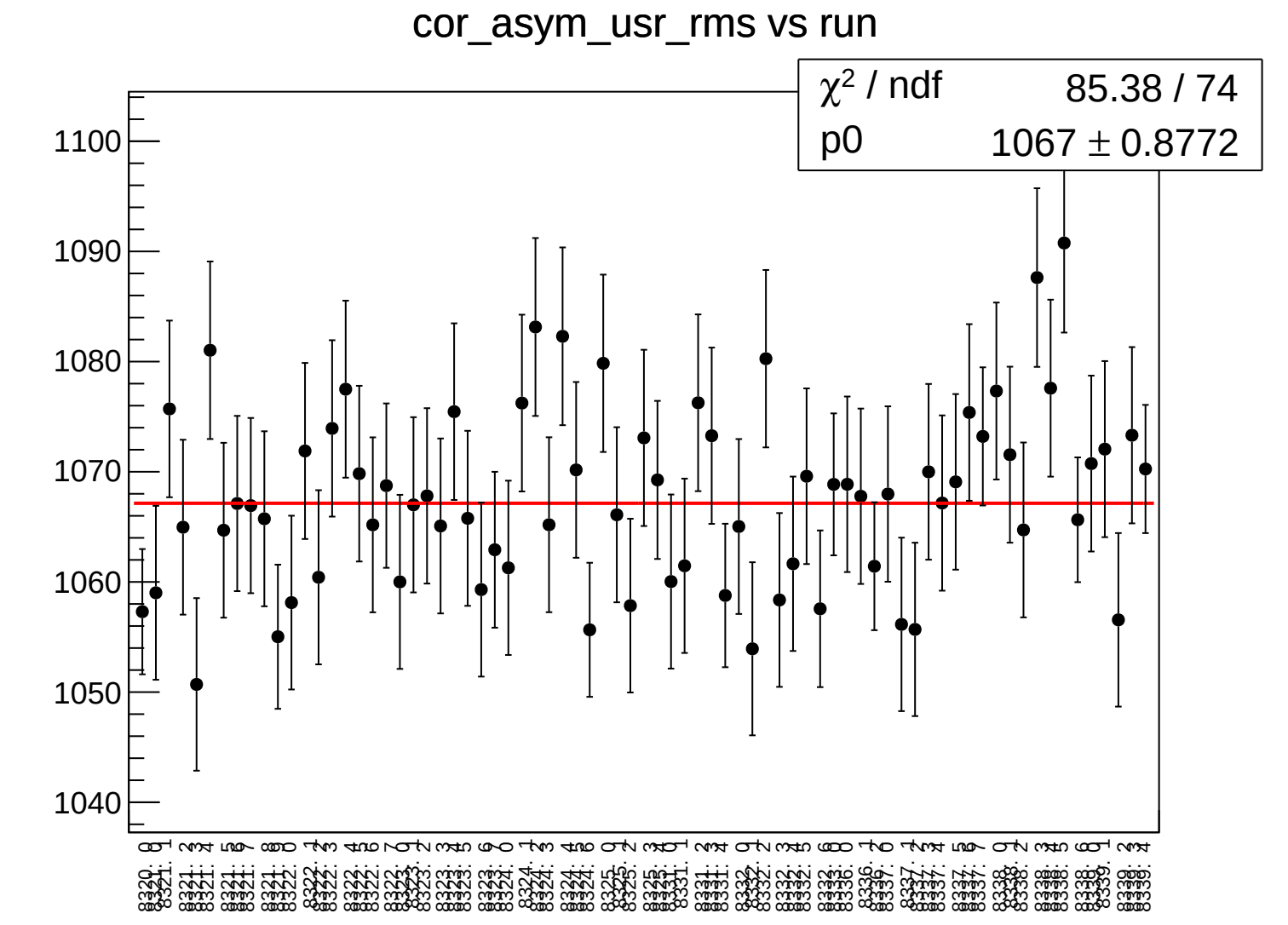

asym_usr_reg_correction_mean vs run
×10^3
χ² / ndf 82.34 / 74
p0 1297 ± 3120
100
50
0
−50
−100
pull
Entries 75
Mean −323.9
Std Dev 0
2
1
0
−1
−2

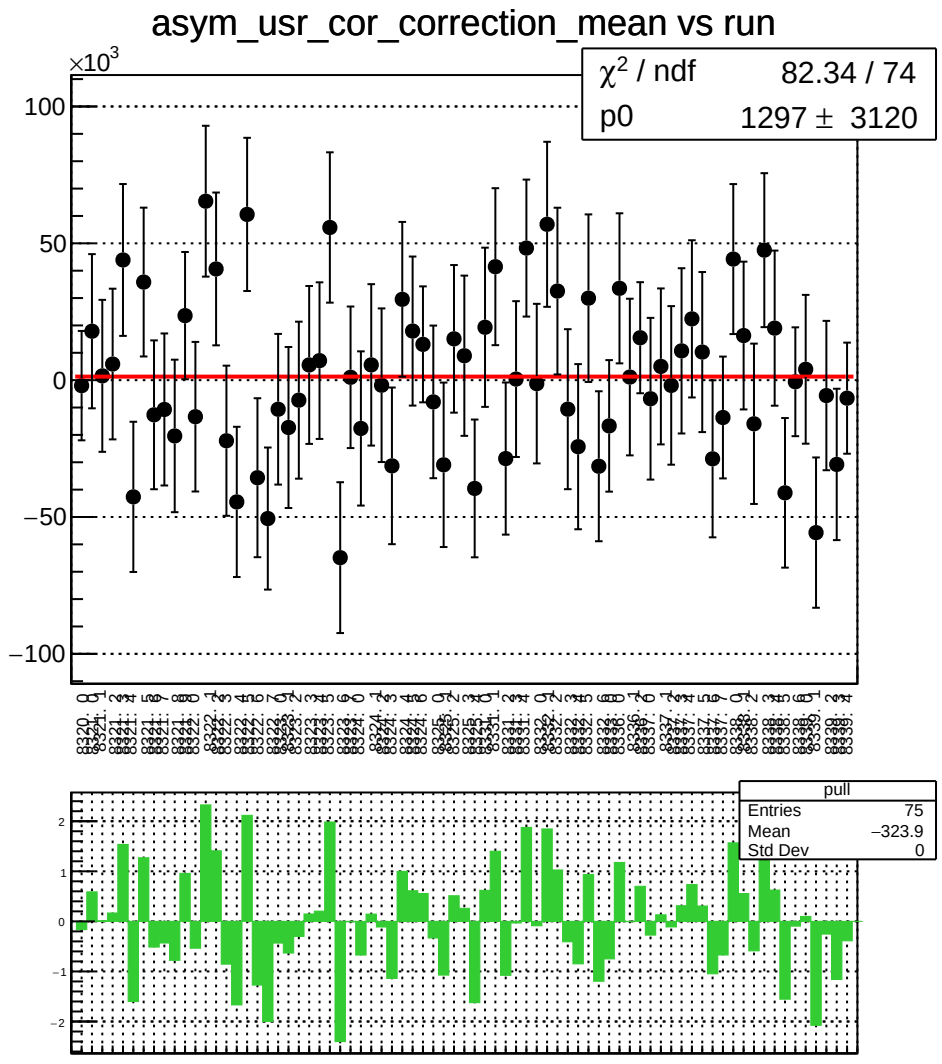

pull1D
Entries 75
Mean 0.002628
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

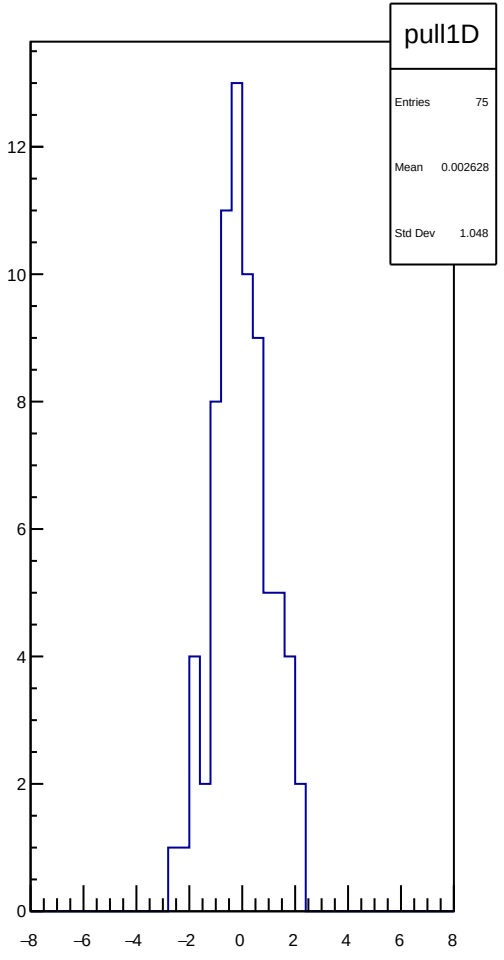

asym_usr_reg_correction_rms vs run
χ² / ndf 1605 / 74
p0 2683 ± 2.206
2950
2900
2850
2800
2750
2700
2650
2600
2550

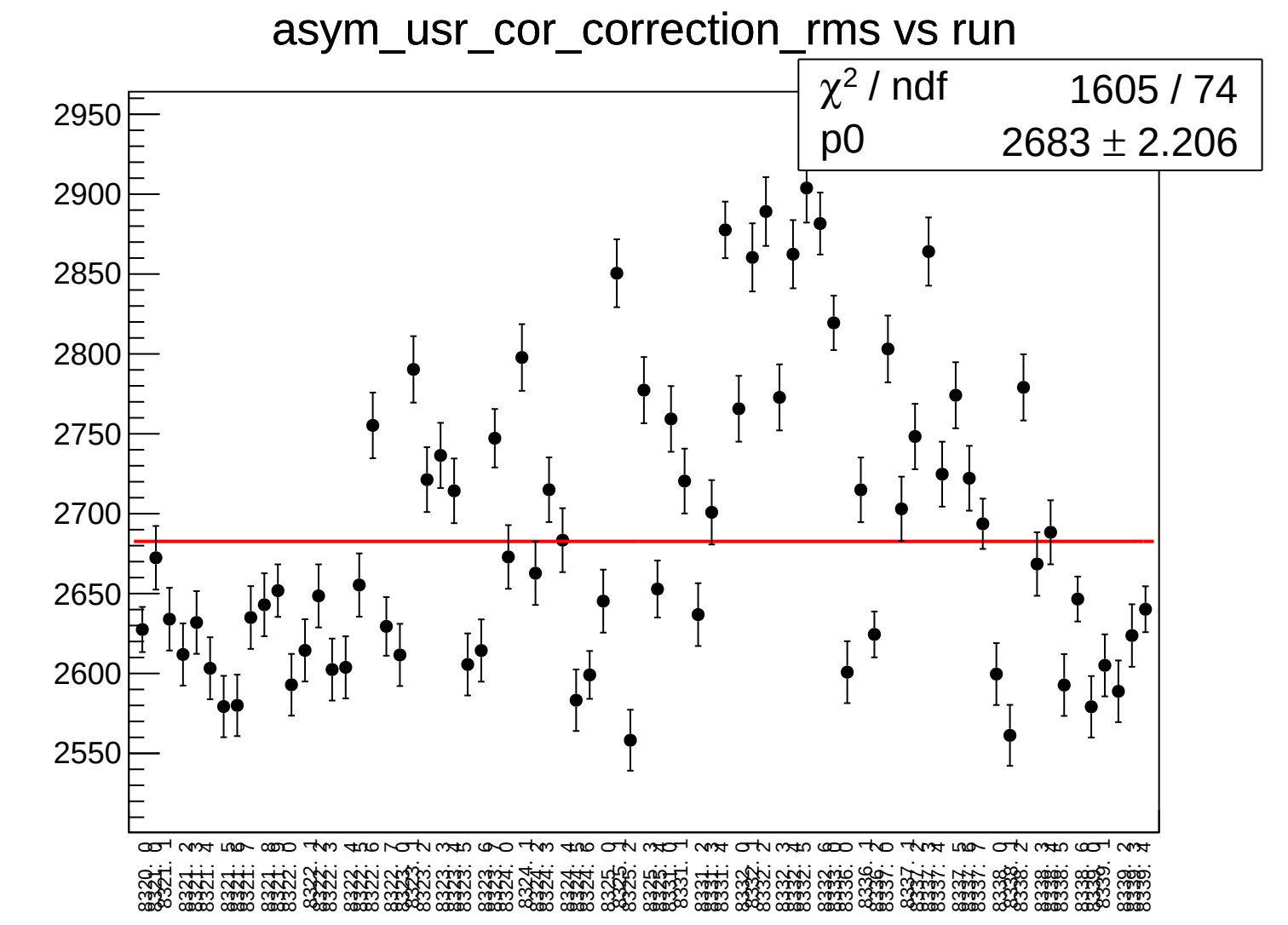

cor_asym_usr_mean vs run
χ² / ndf 88.83 / 74
p0 −3532 ± 1241
pull
Entries 75
Mean 359.5
Std Dev 0

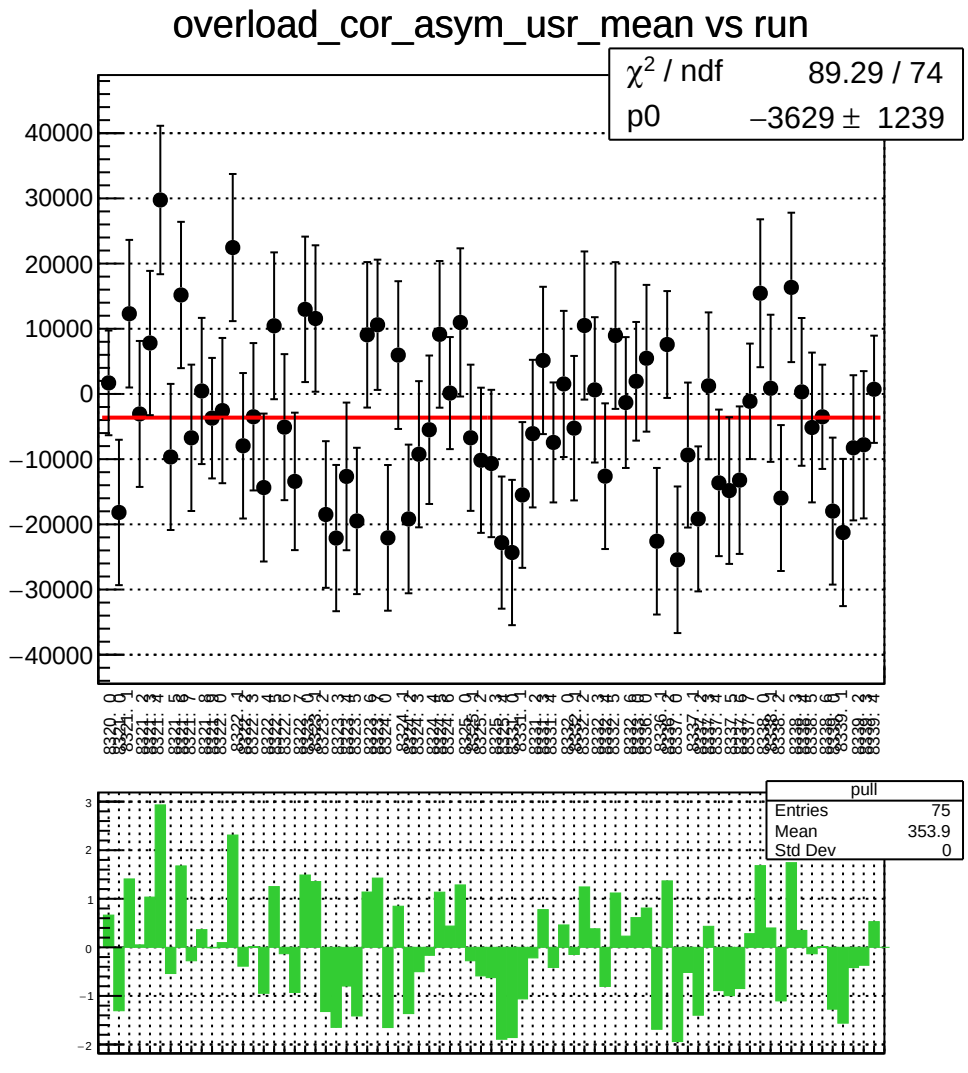

pull1D
Entries 75
Mean −0.01351
Std Dev 1.088

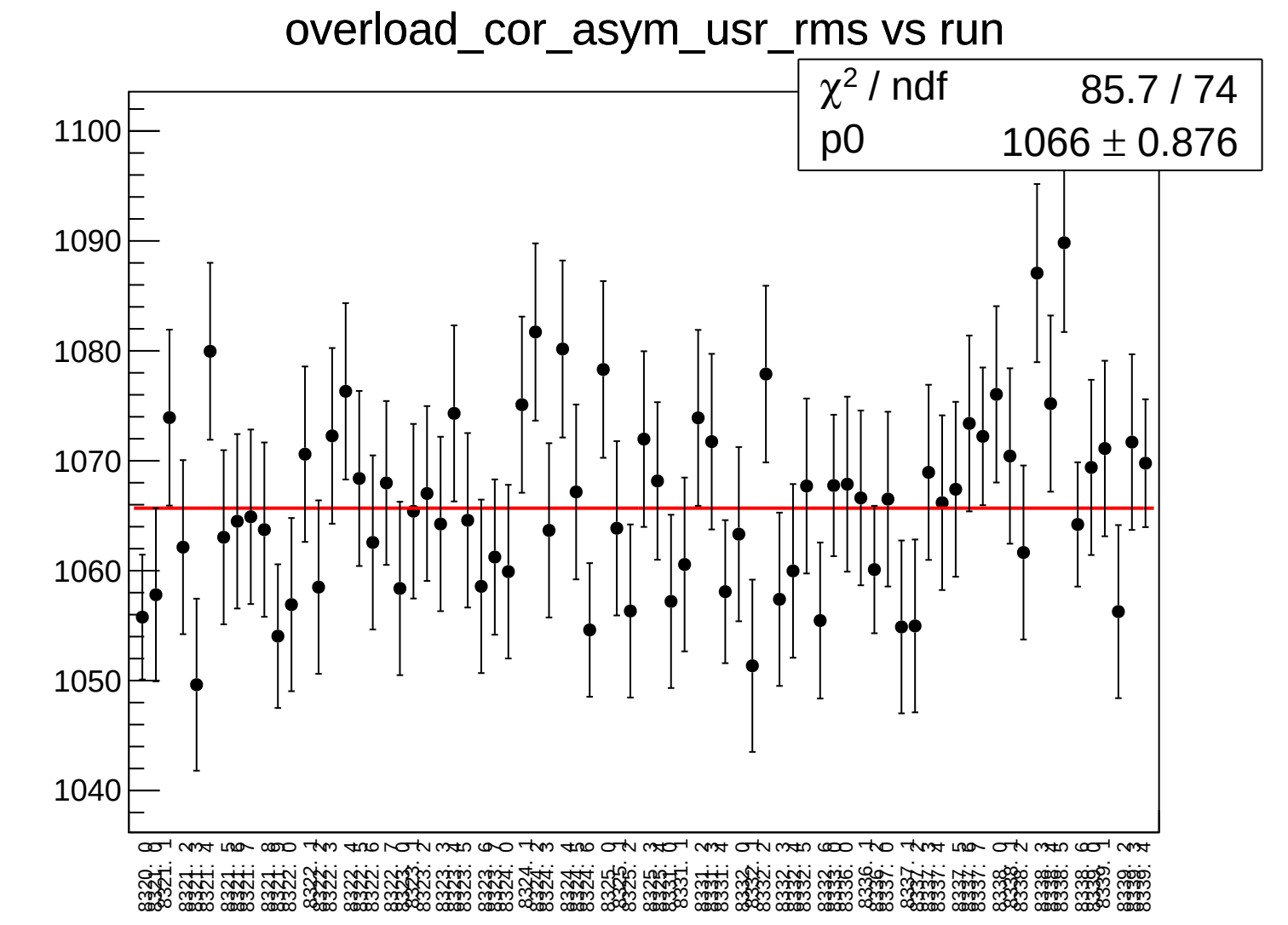

cor_asym_usr_rms vs run
χ² / ndf 85.38 / 74
p0 1067 ± 0.8772
1100
1090
1080
1070
1060
1050
1040

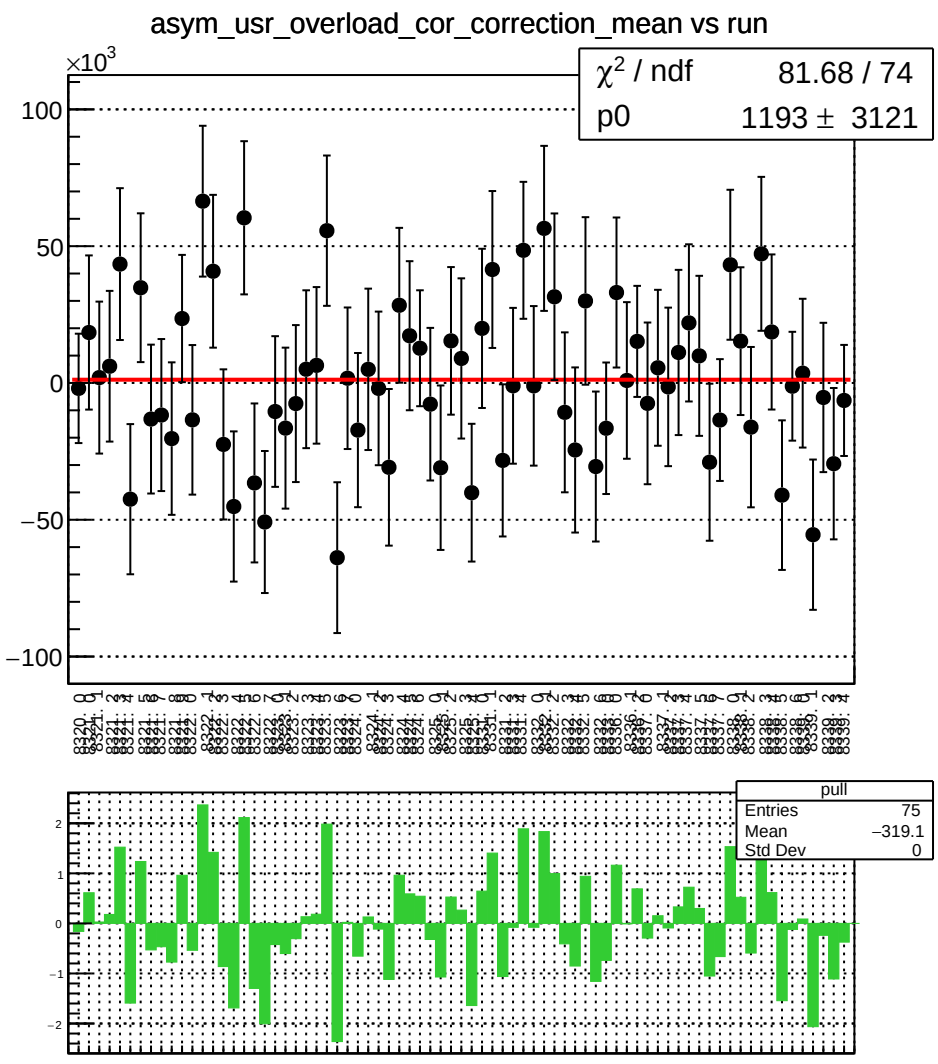

asym_usr_cor_correction_mean vs run
×10^3
χ² / ndf 82.34 / 74
p0 1297 ± 3120
100
50
0
−50
−100
pull
Entries 75
Mean −323.9
Std Dev 0
2
1
0
−1
−2

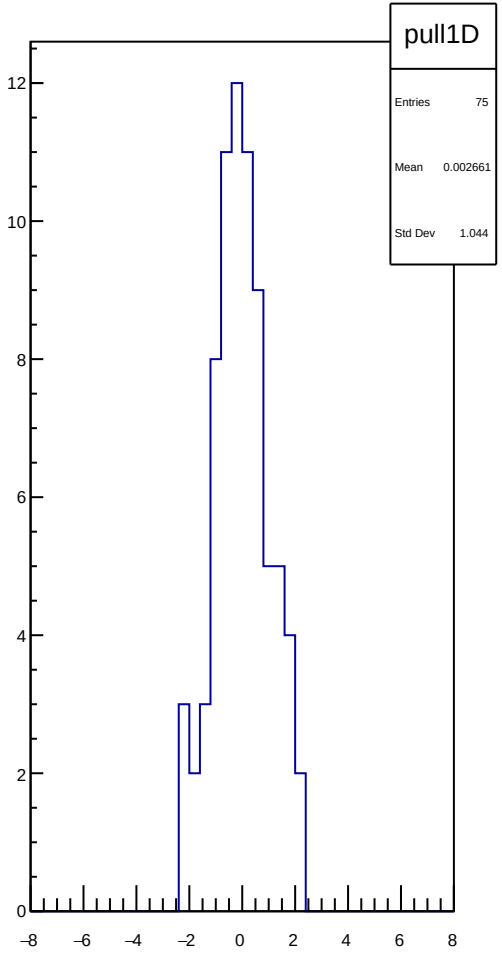

pull1D
Entries 75
Mean 0.002628
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

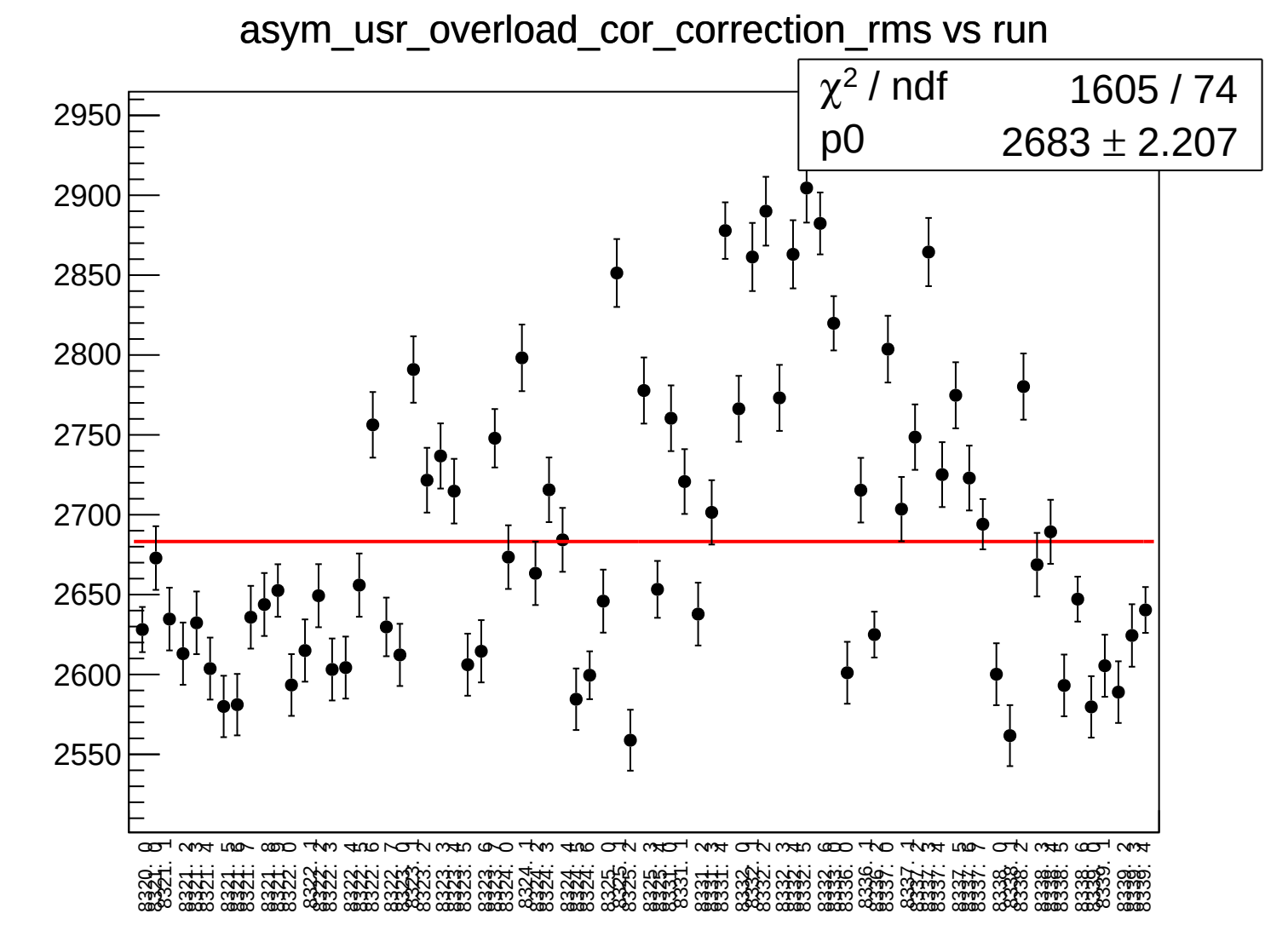

asym_usr_cor_correction_rms vs run
χ² / ndf 1605 / 74
p0 2683 ± 2.206
2950
2900
2850
2800
2750
2700
2650
2600
2550

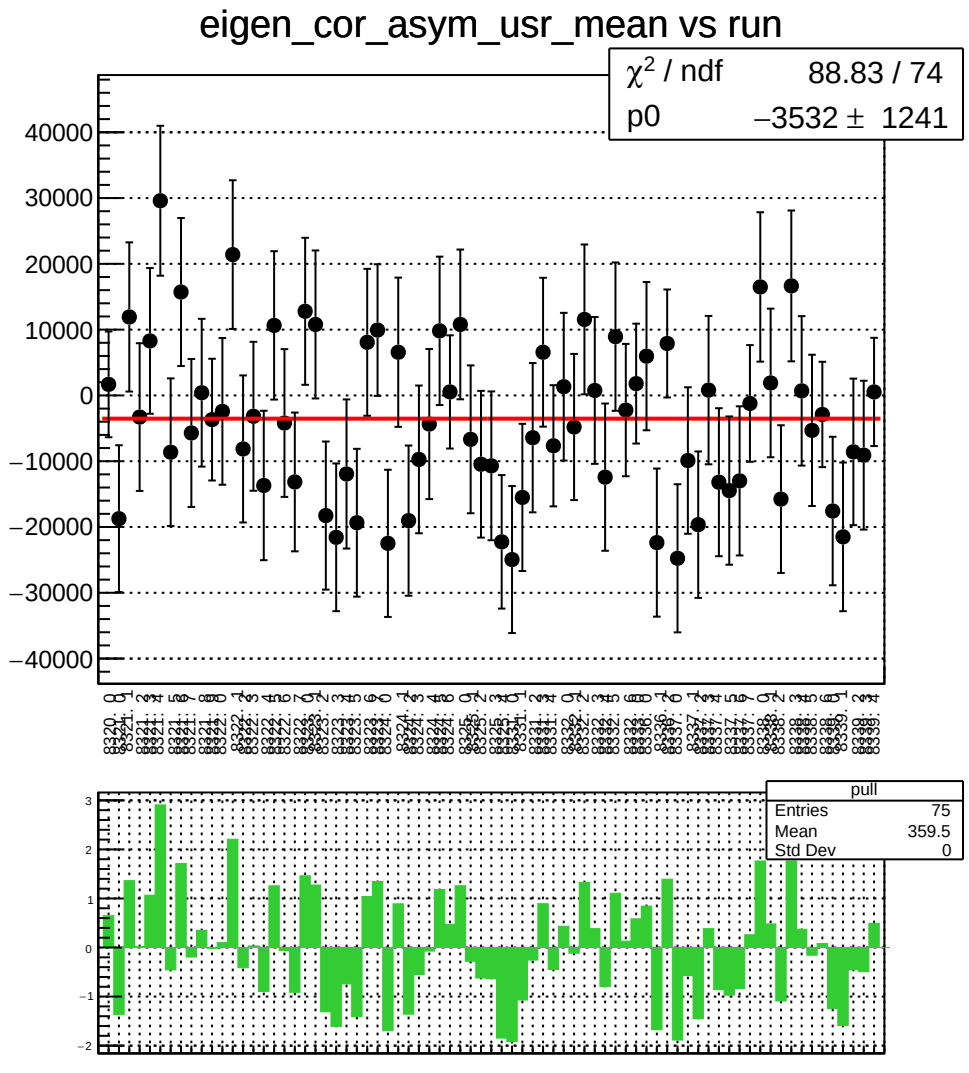

overload_cor_asym_usr_mean vs run
χ² / ndf 89.29 / 74
p0 −3629 ± 1239
pull
Entries 75
Mean 353.9
Std Dev 0
pull1D
Entries 75
Mean −0.01376
Std Dev 1.091

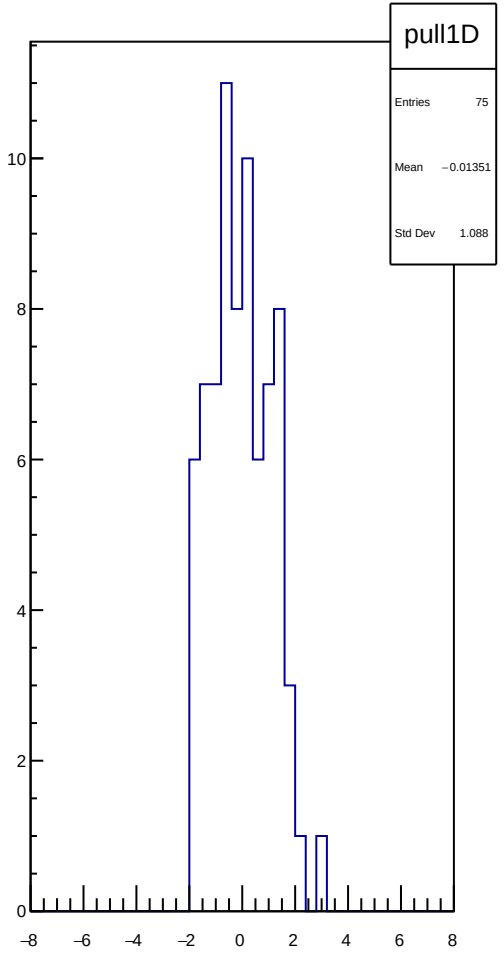

overload_cor_asym_usr_rms vs run
χ² / ndf 85.7 / 74
p0 1066 ± 0.876
1100
1090
1080
1070
1060
1050
1040

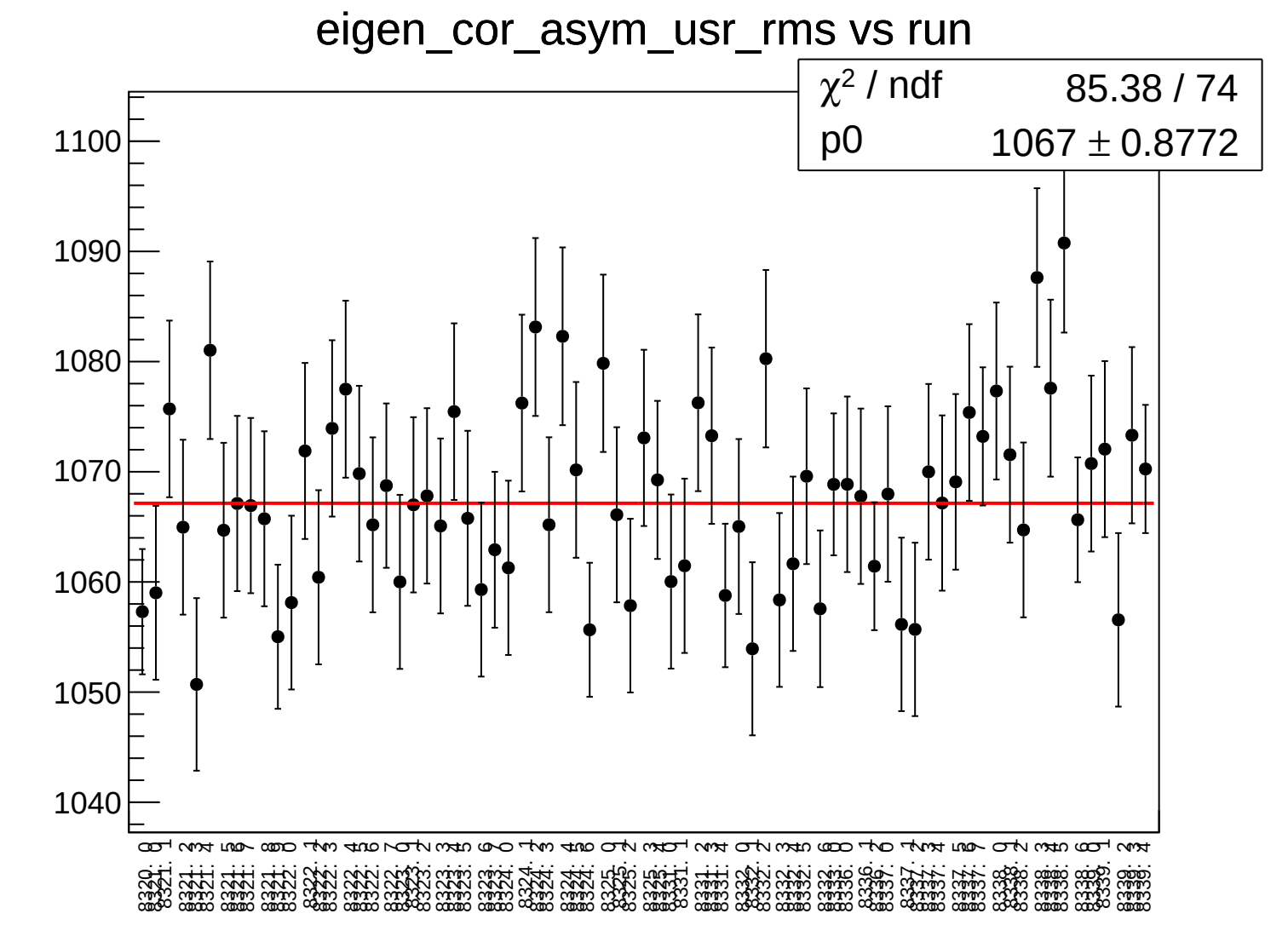

asym_usr_overload_cor_correction_mean vs run
×10^3
χ² / ndf 81.68 / 74
p0 1193 ± 3121
100
50
0
−50
−100
pull
Entries 75
Mean −319.1
Std Dev 0
2
1
0
−1
−2

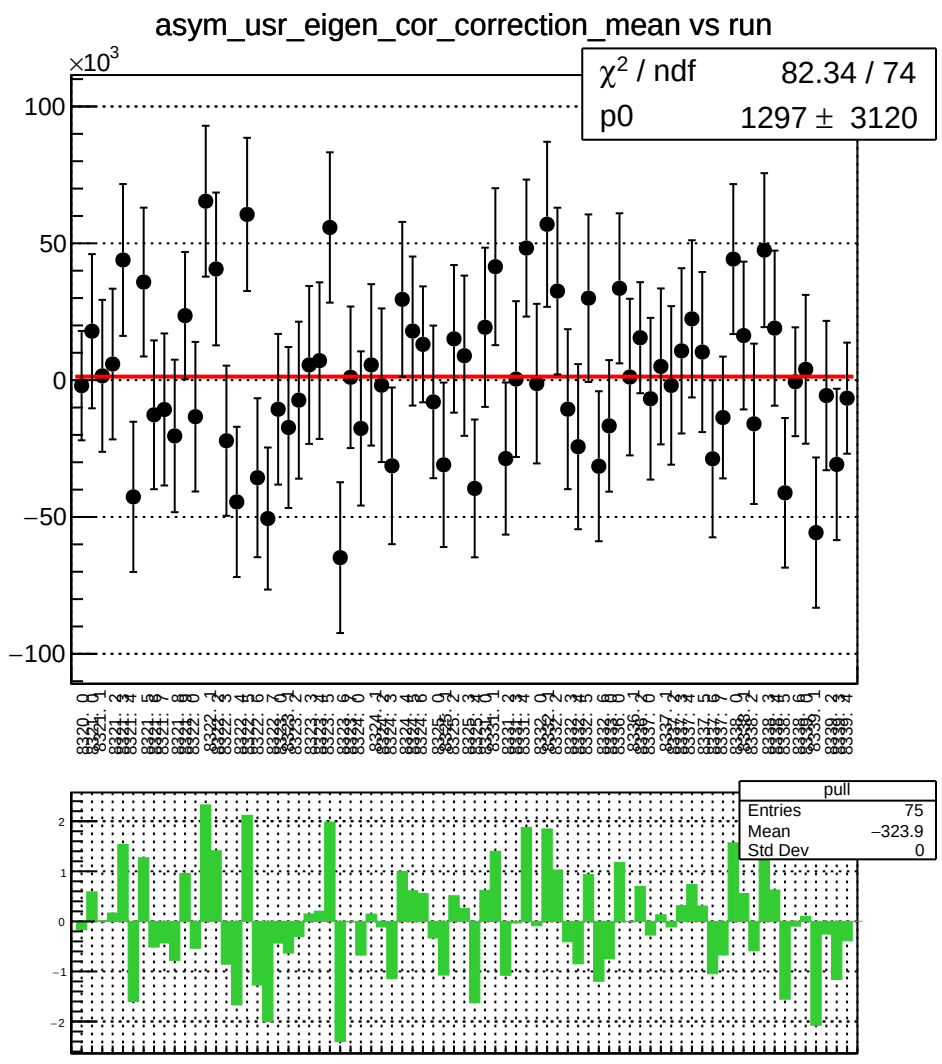

pull1D
Entries 75
Mean 0.002661
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

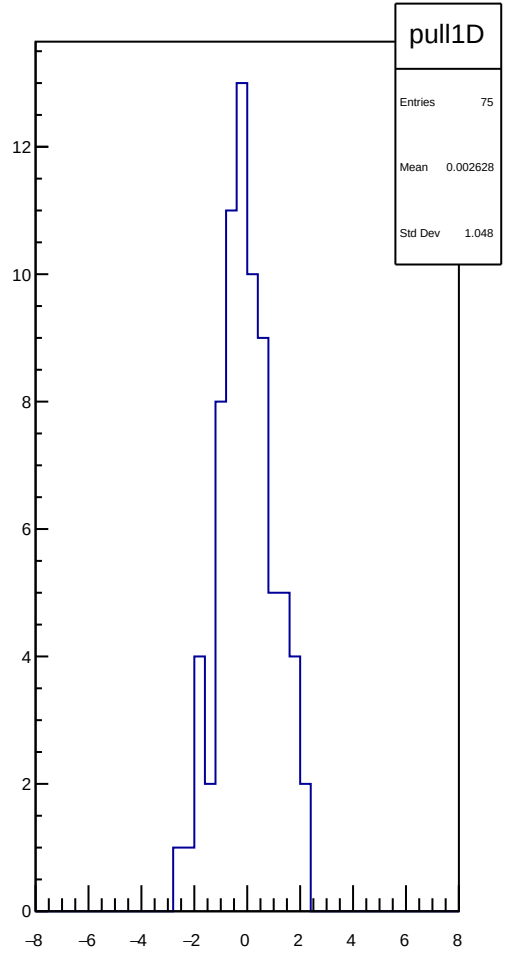

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 1605 / 74
p0 2683 ± 2.207
2950
2900
2850
2800
2750
2700
2650
2600
2550

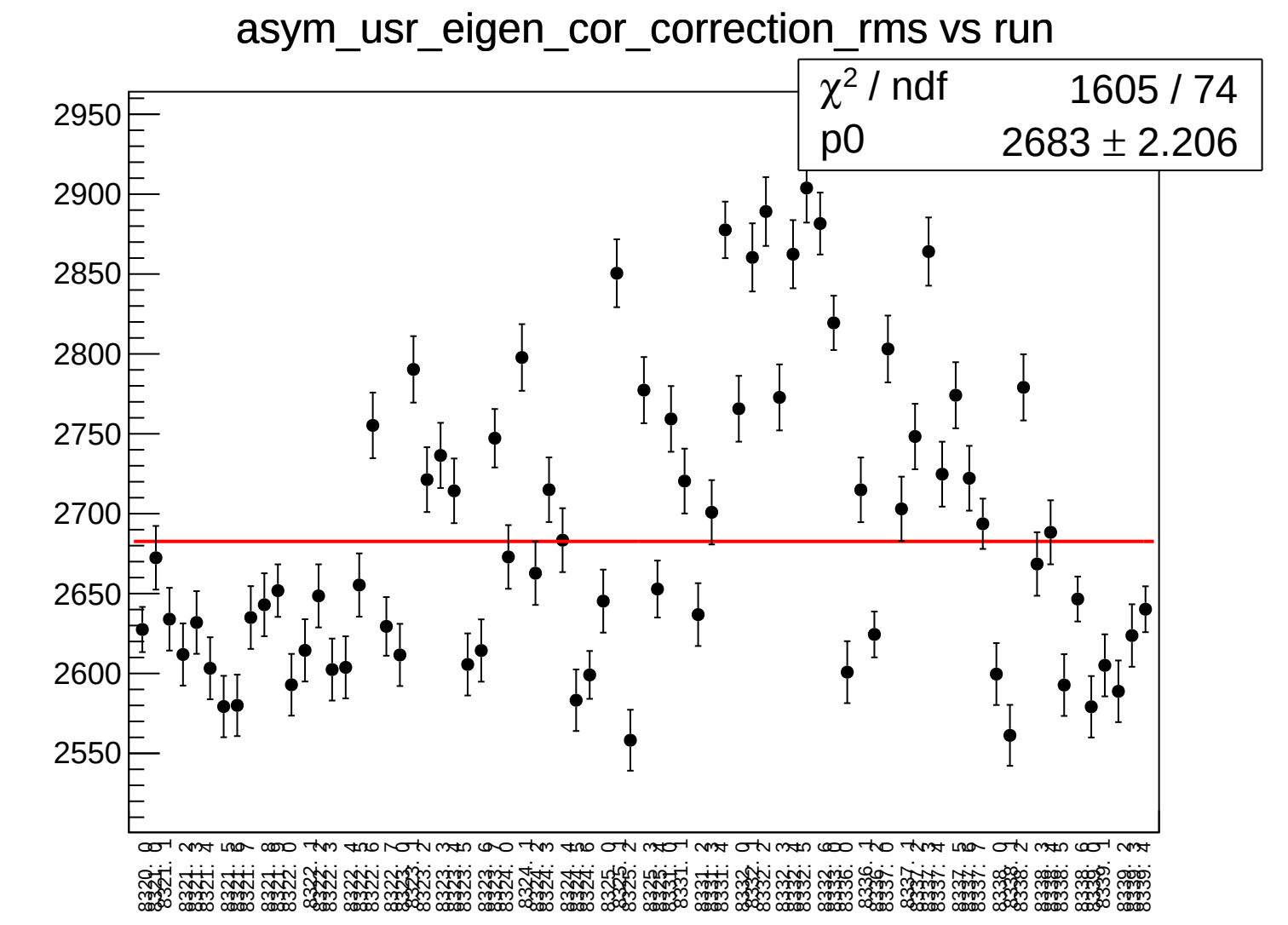

eigen_cor_asym_usr_mean vs run
χ² / ndf 88.83 / 74
p0 −3532 ± 1241
pull
Entries 75
Mean 359.5
Std Dev 0

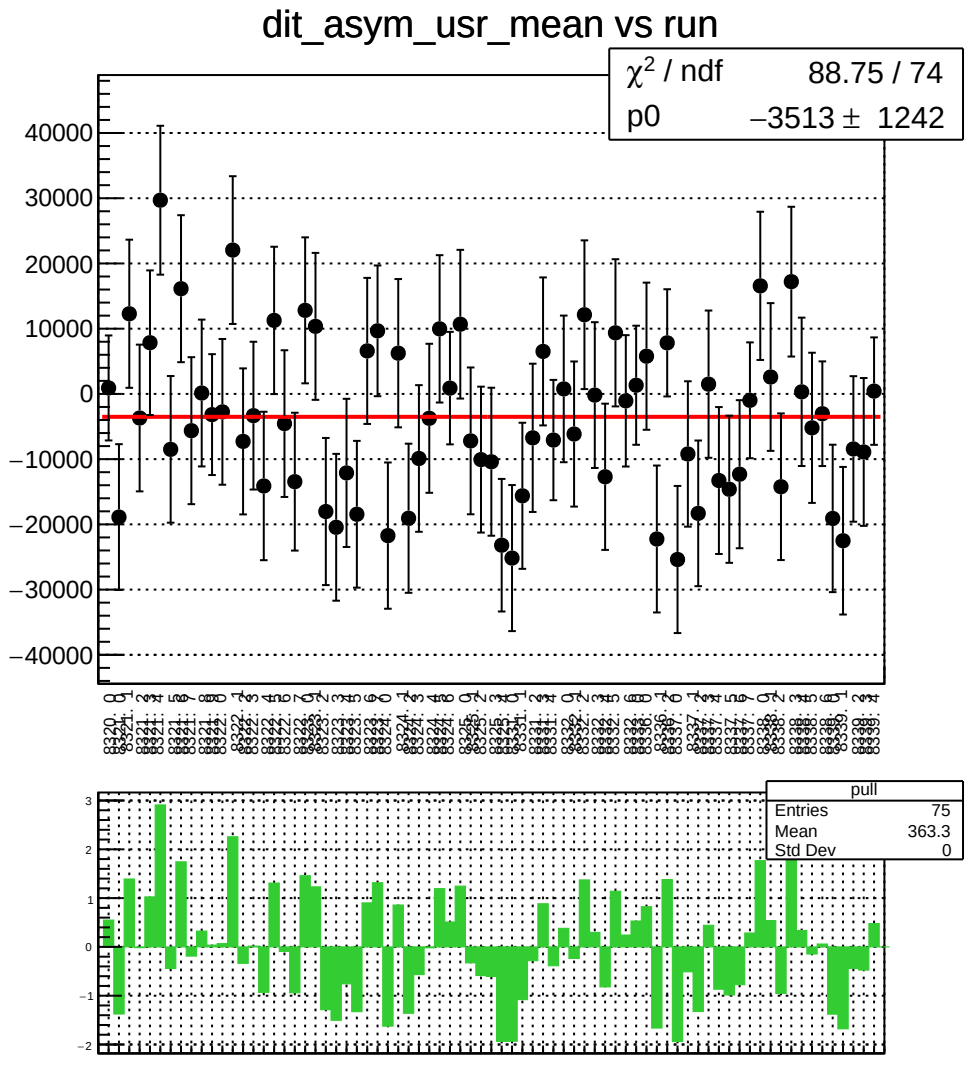

pull1D
Entries 75
Mean −0.01351
Std Dev 1.088

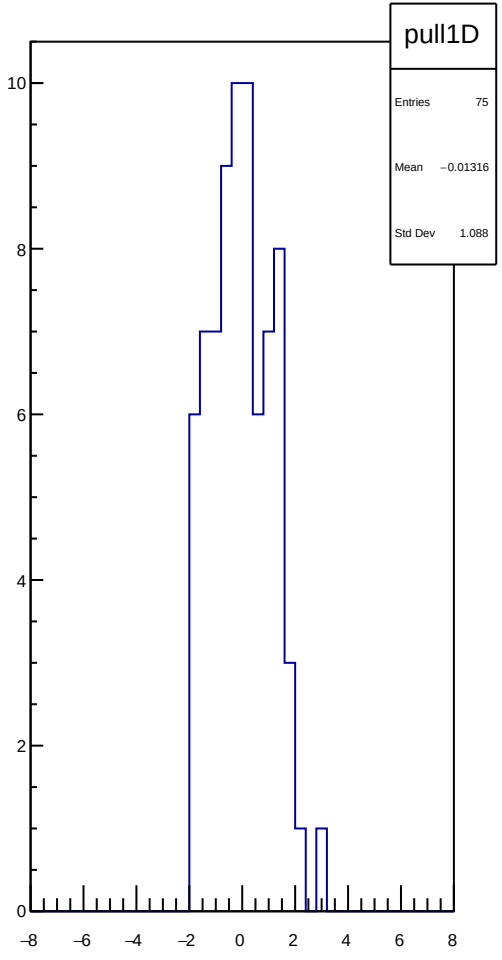

eigen_cor_asym_usr_rms vs run
χ² / ndf 85.38 / 74
p0 1067 ± 0.8772
1100
1090
1080
1070
1060
1050
1040

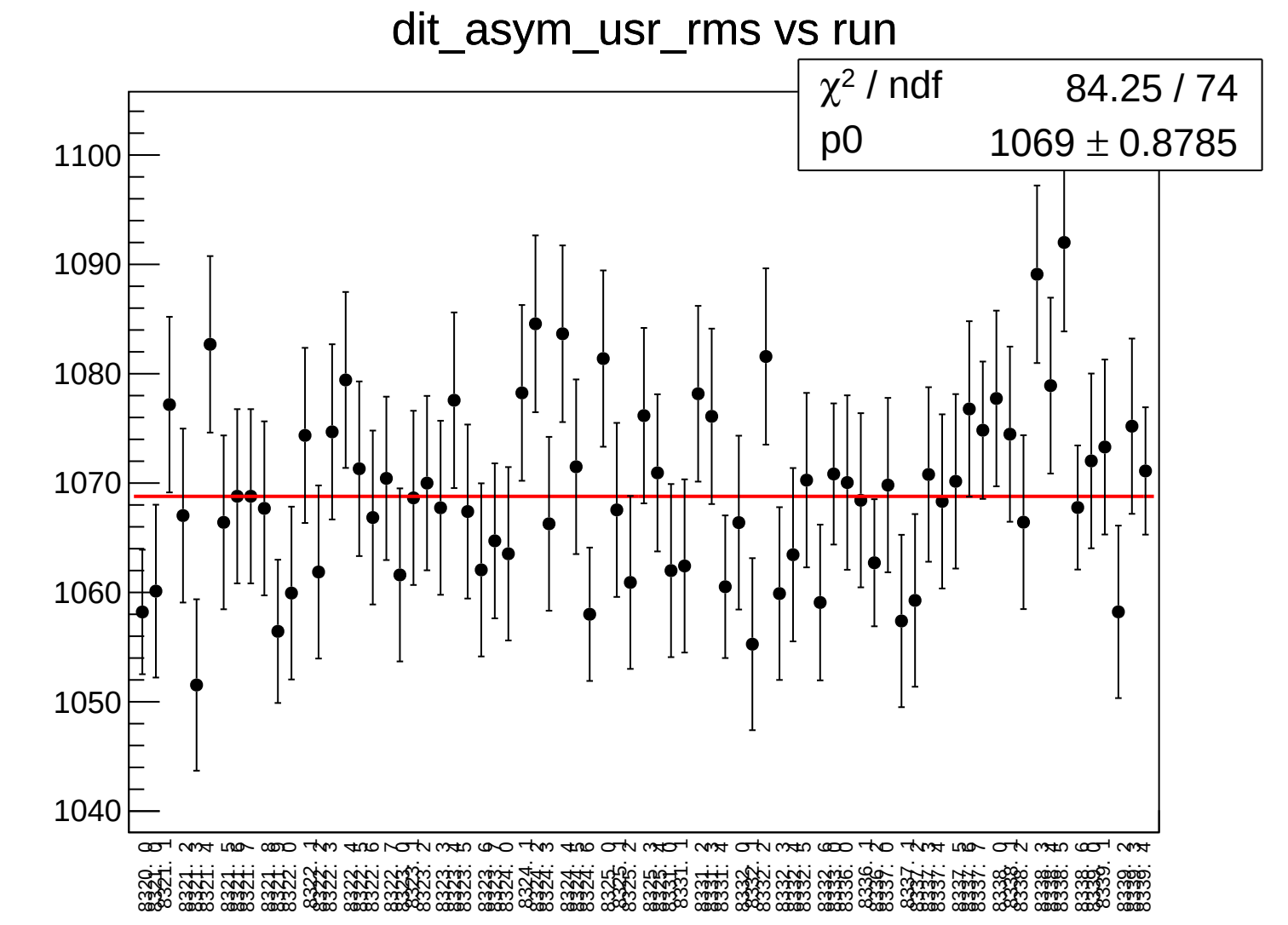

asym_usr_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 82.34 / 74
p0 1297 ± 3120
100
50
0
−50
−100
pull
Entries 75
Mean −323.9
Std Dev 0
2
1
0
−1
−2

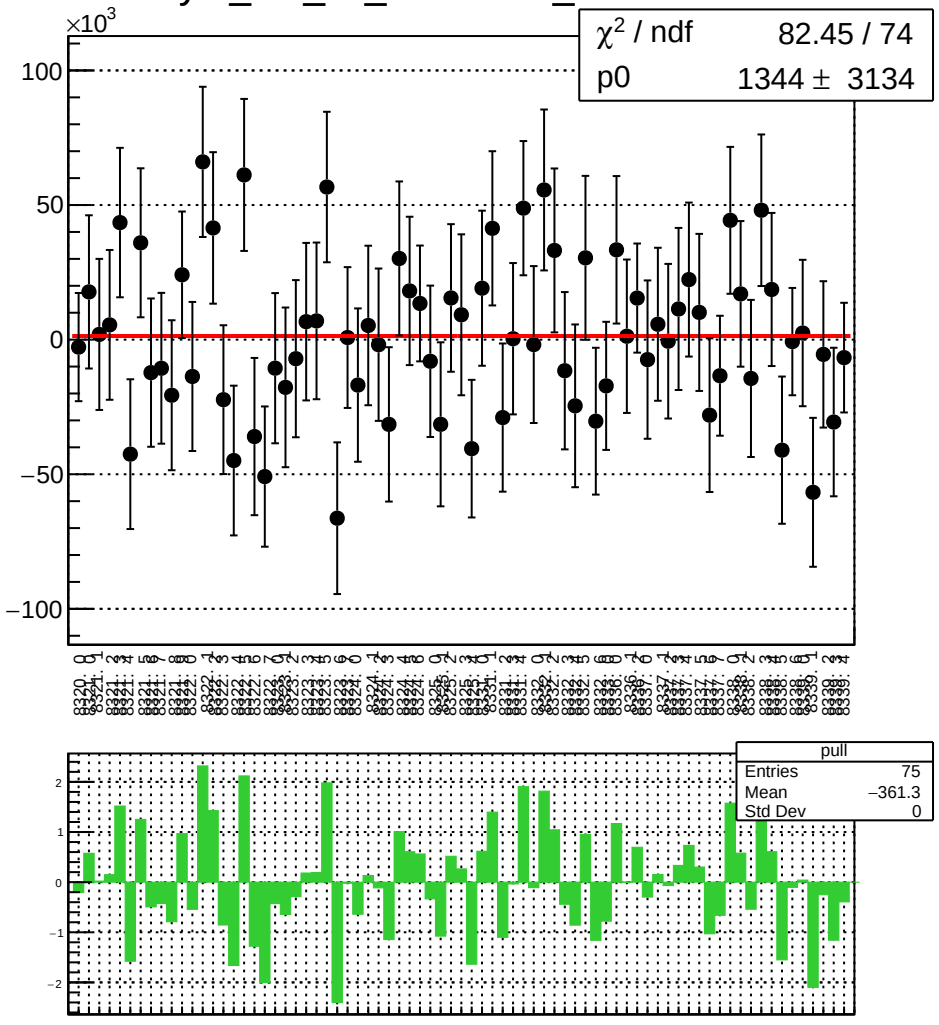

pull1D
Entries 75
Mean 0.002628
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

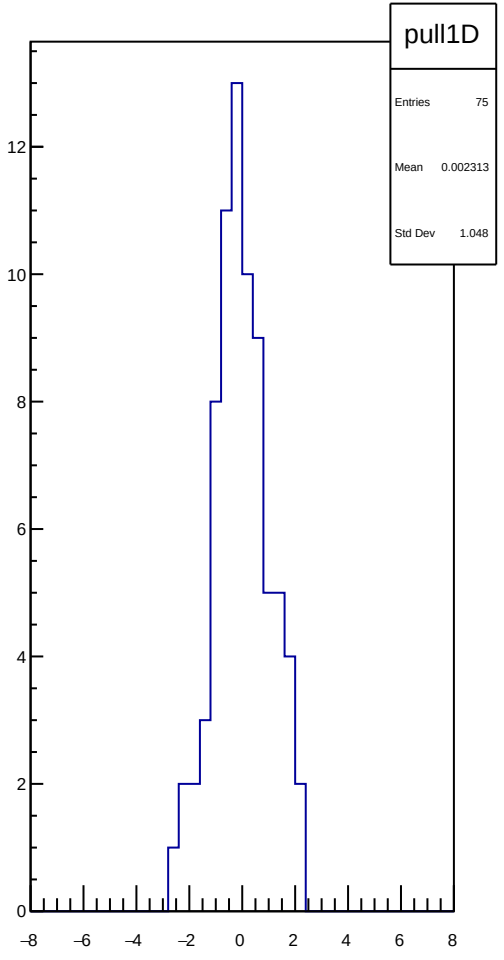

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 1605 / 74
p0 2683 ± 2.206
2950
2900
2850
2800
2750
2700
2650
2600
2550

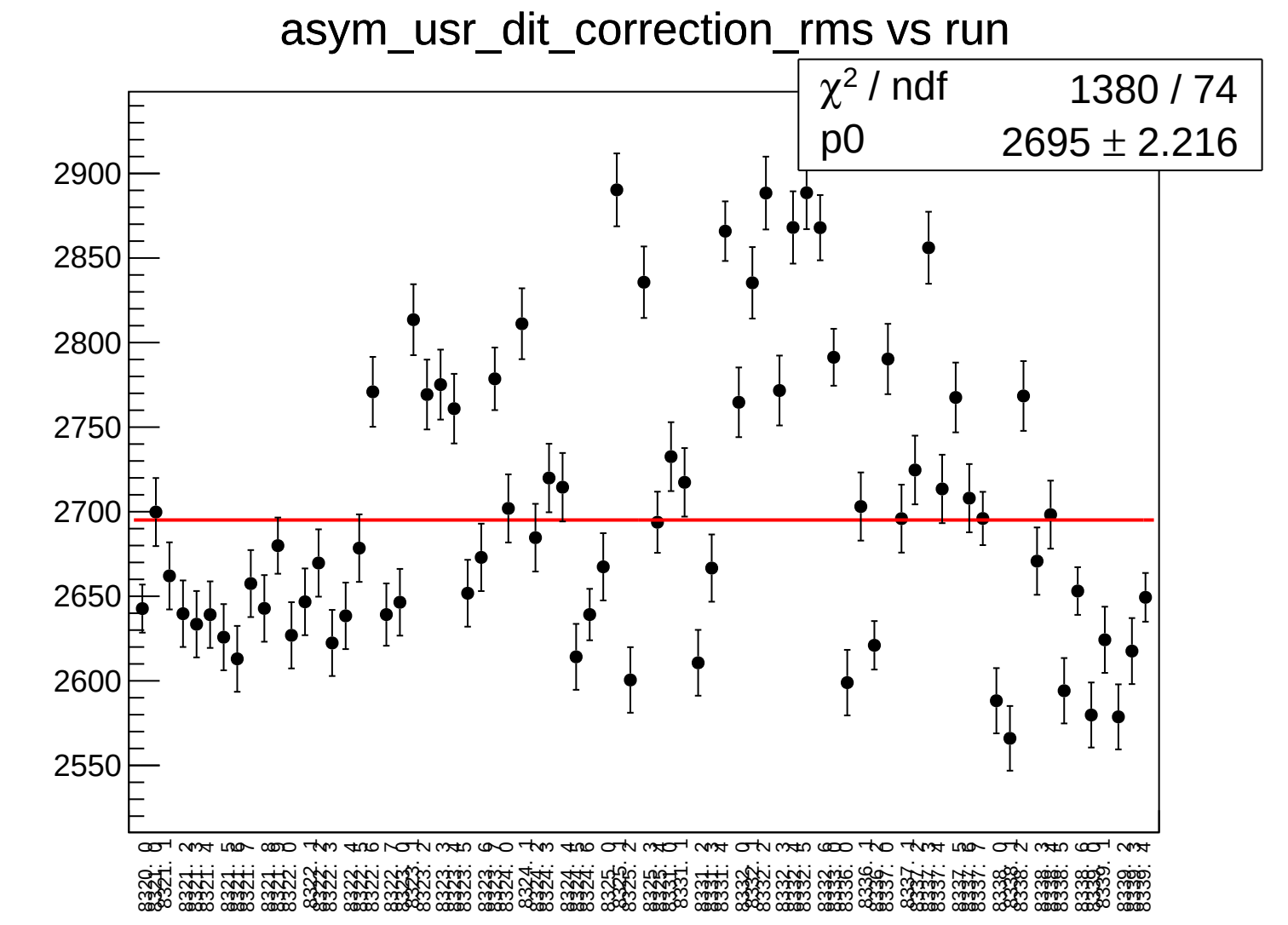

dit_asym_usr_mean vs run
χ² / ndf 88.75 / 74
p0 −3513 ± 1242
pull
Entries 75
Mean 363.3
Std Dev 0

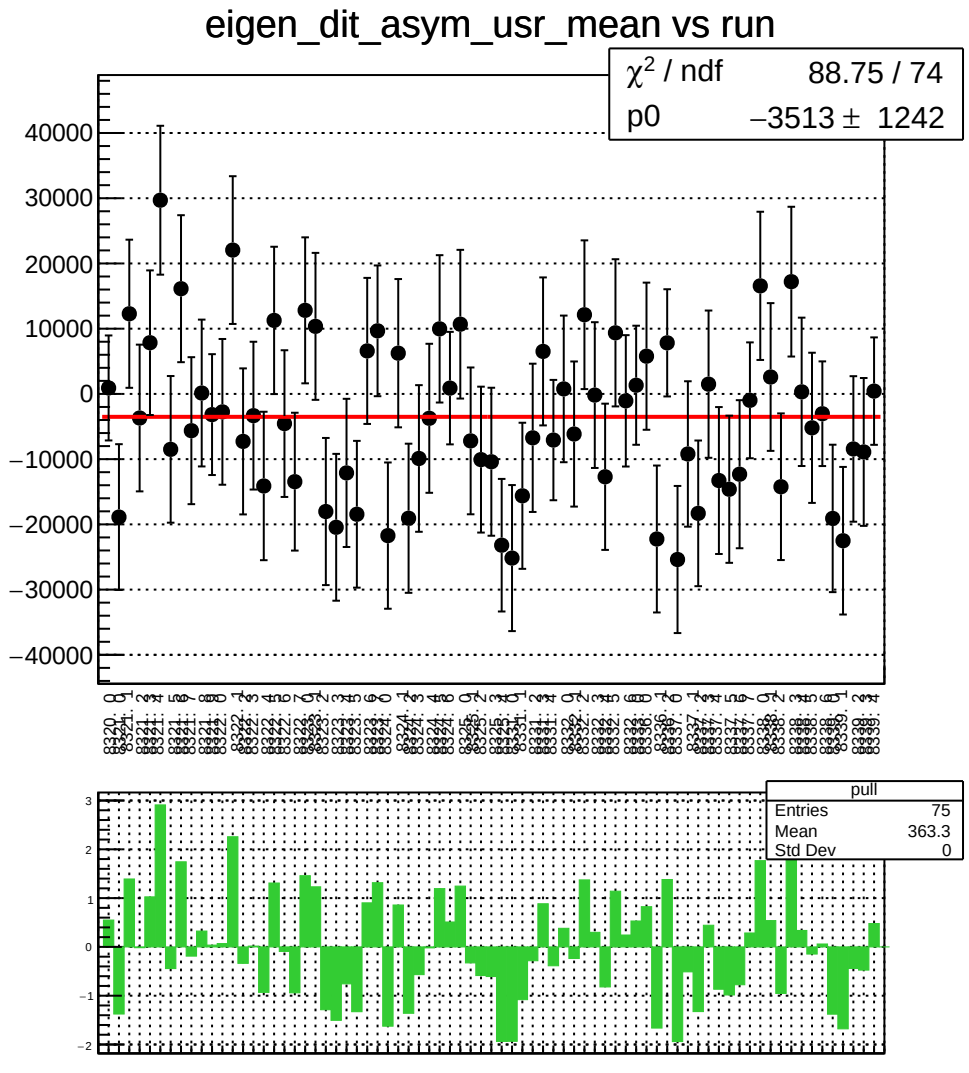

pull1D
Entries 75
Mean −0.01316
Std Dev 1.088

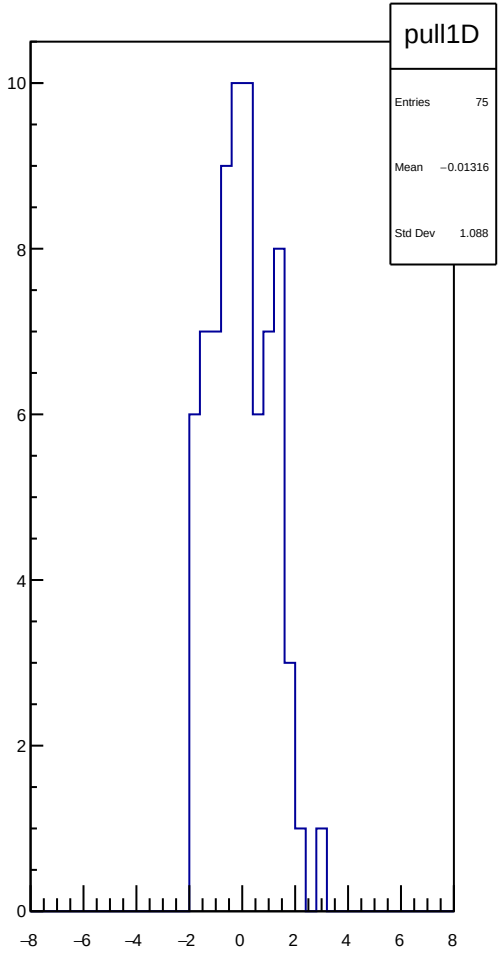

dit_asym_usr_rms vs run
χ² / ndf 84.25 / 74
p0 1069 ± 0.8785
1100
1090
1080
1070
1060
1050
1040

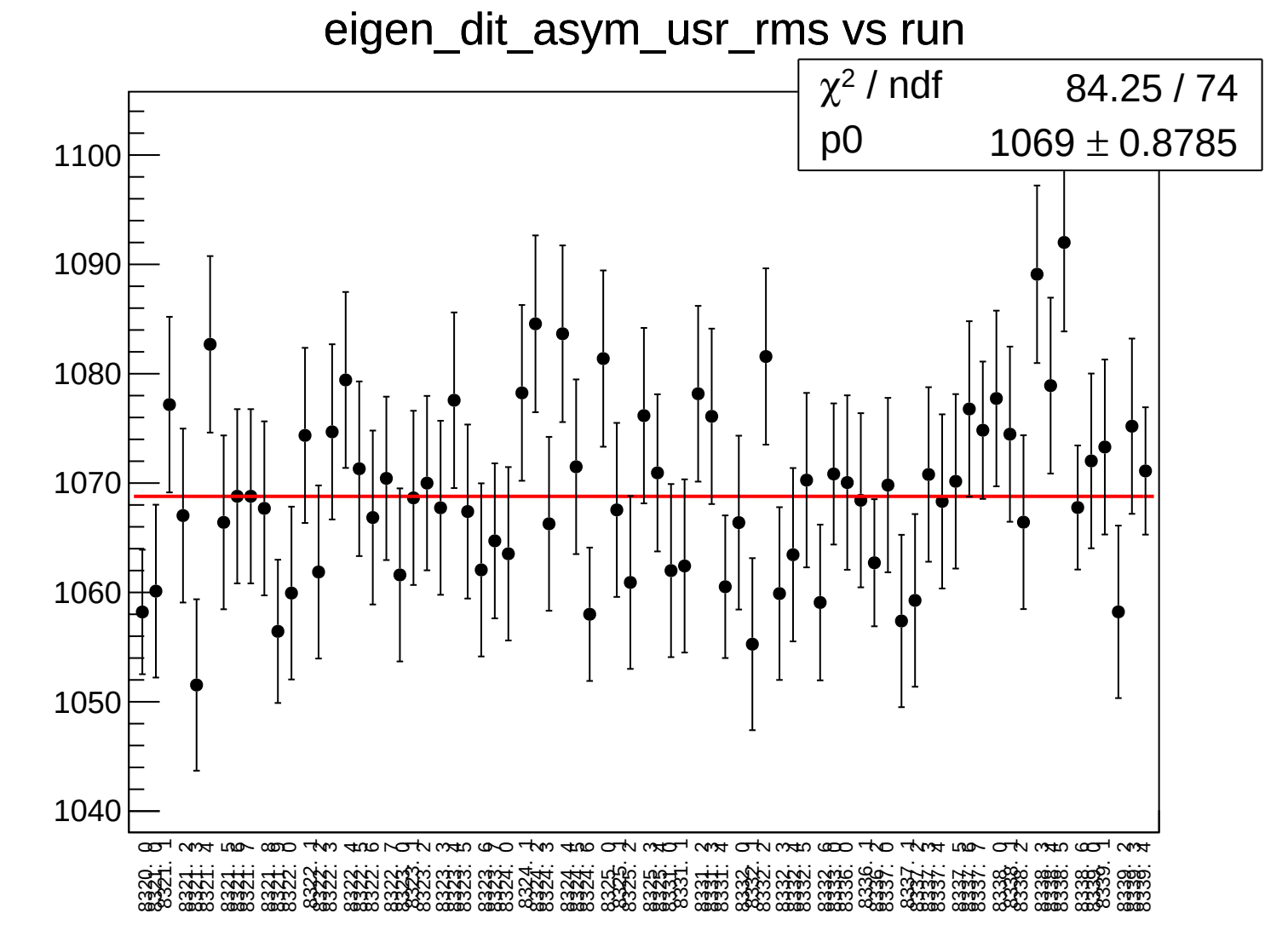

asym_usr_dit_correction_mean vs run
×10^3
χ² / ndf 82.45 / 74
p0 1344 ± 3134
100
50
0
−50
−100
pull
Entries 75
Mean −361.3
Std Dev 0
2
1
0
−1
−2

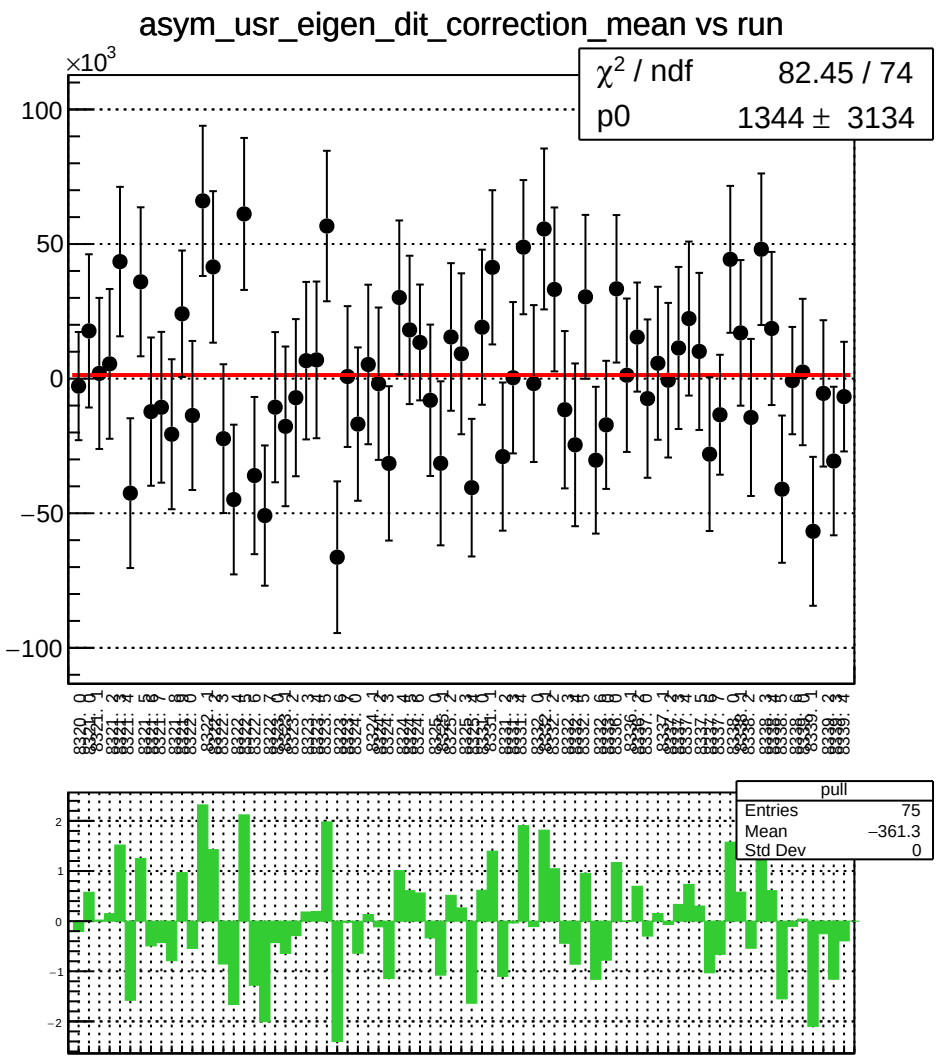

pull1D
Entries 75
Mean 0.002313
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

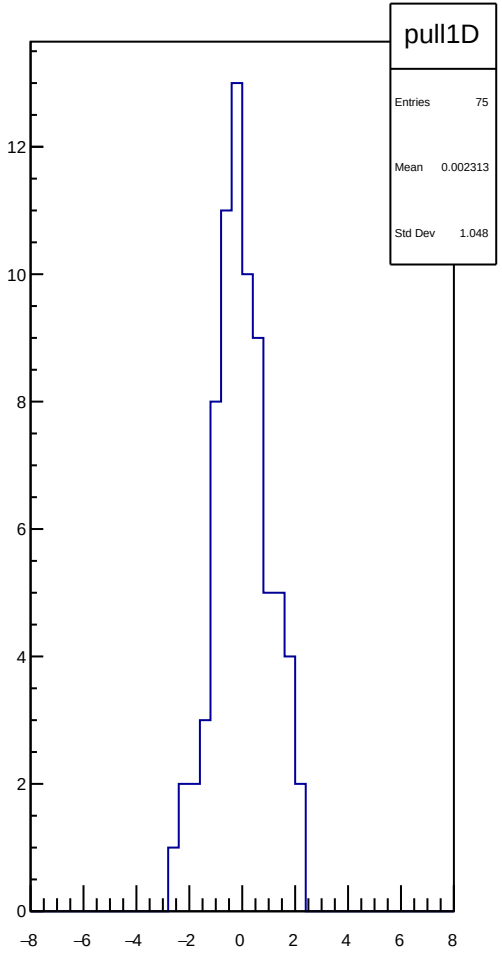

asym_usr_dit_correction_rms vs run
χ² / ndf 1380 / 74
p0 2695 ± 2.216
2900
2850
2800
2750
2700
2650
2600
2550

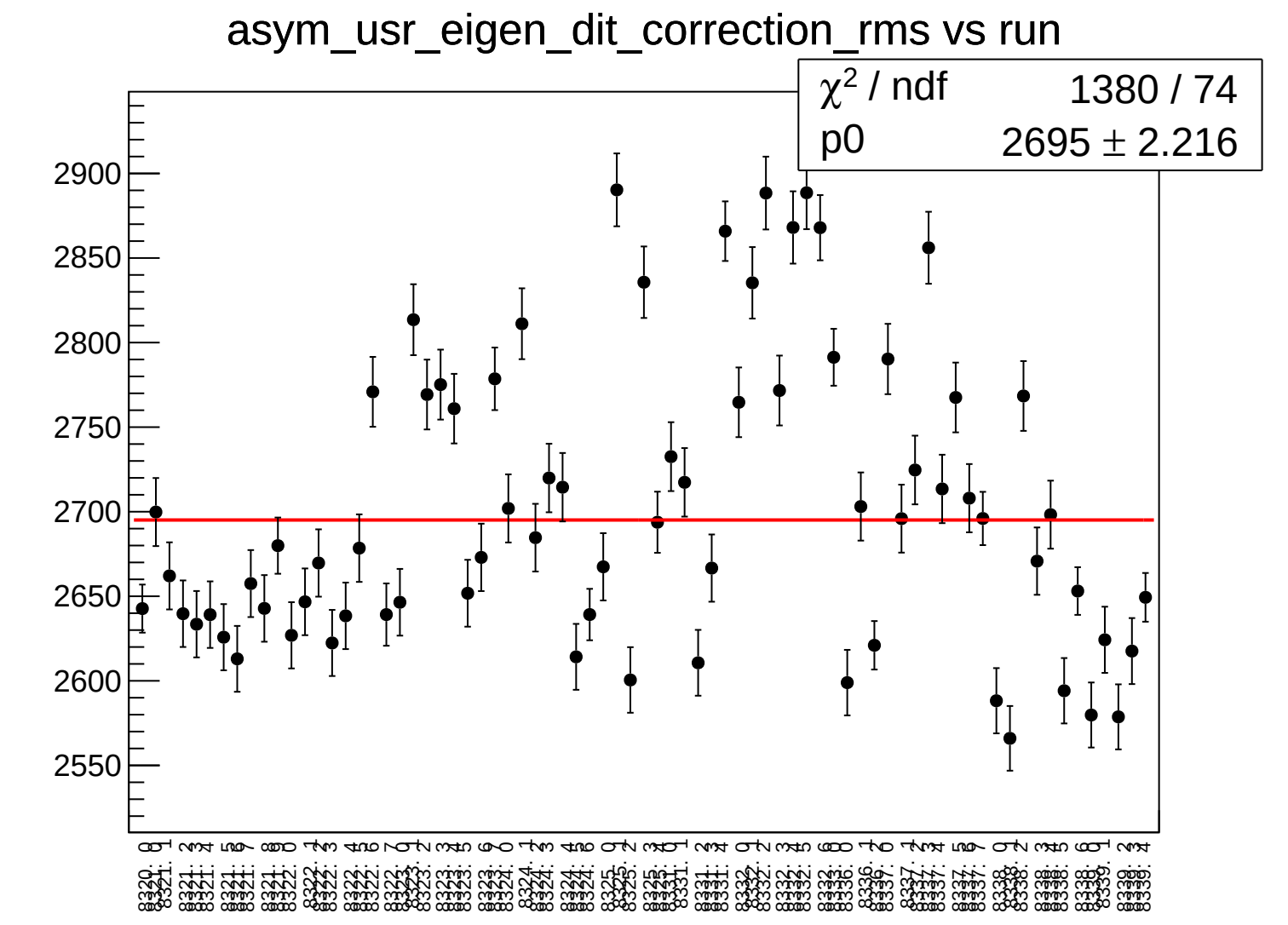

eigen_dit_asym_usr_mean vs run
χ² / ndf 88.75 / 74
p0 −3513 ± 1242
pull
Entries 75
Mean 363.3
Std Dev 0

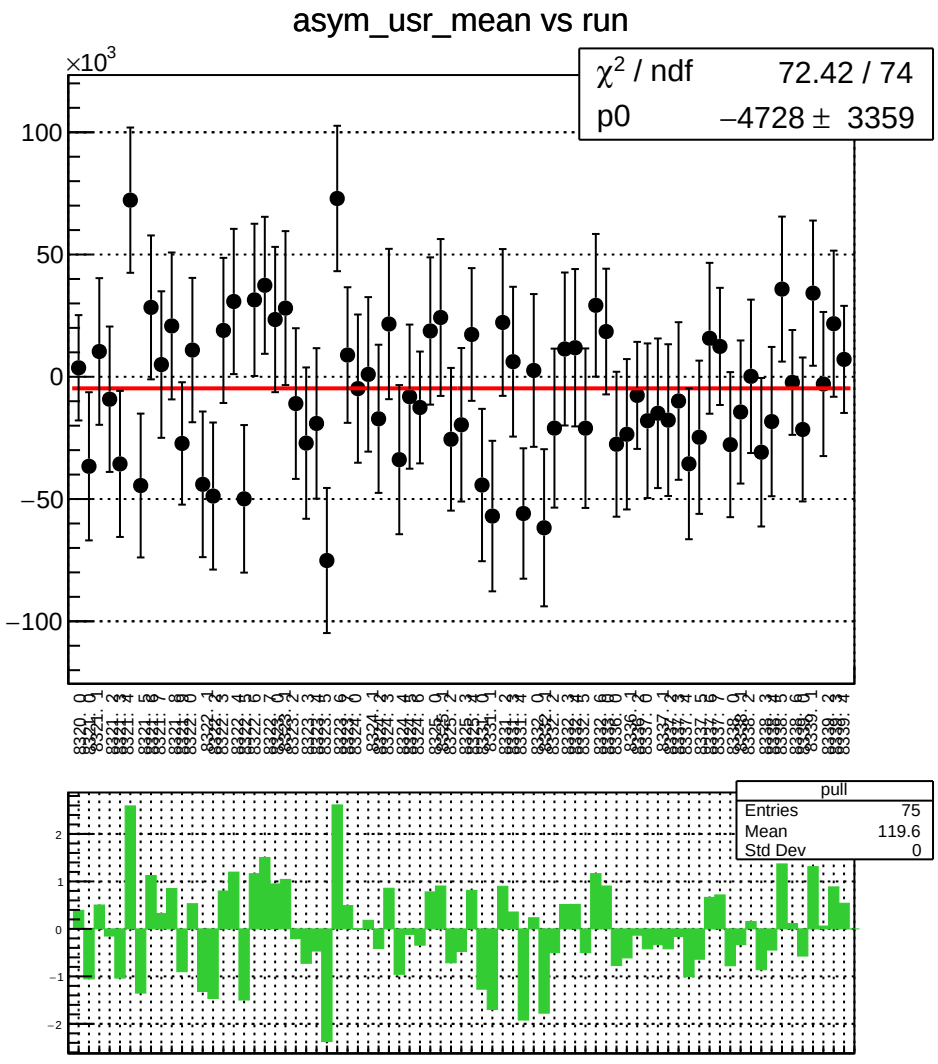

pull1D
Entries 75
Mean −0.01316
Std Dev 1.088

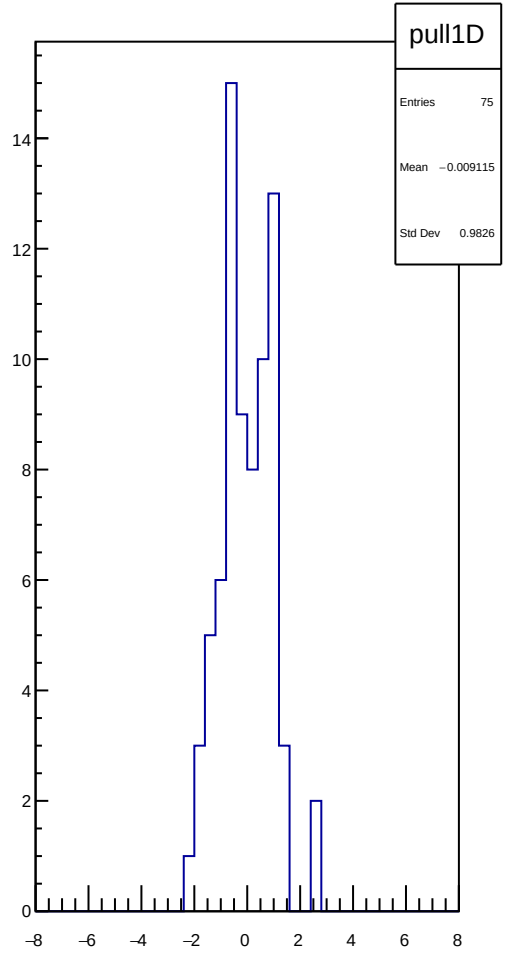

eigen_dit_asym_usr_rms vs run
χ² / ndf 84.25 / 74
p0 1069 ± 0.8785
1100
1090
1080
1070
1060
1050
1040

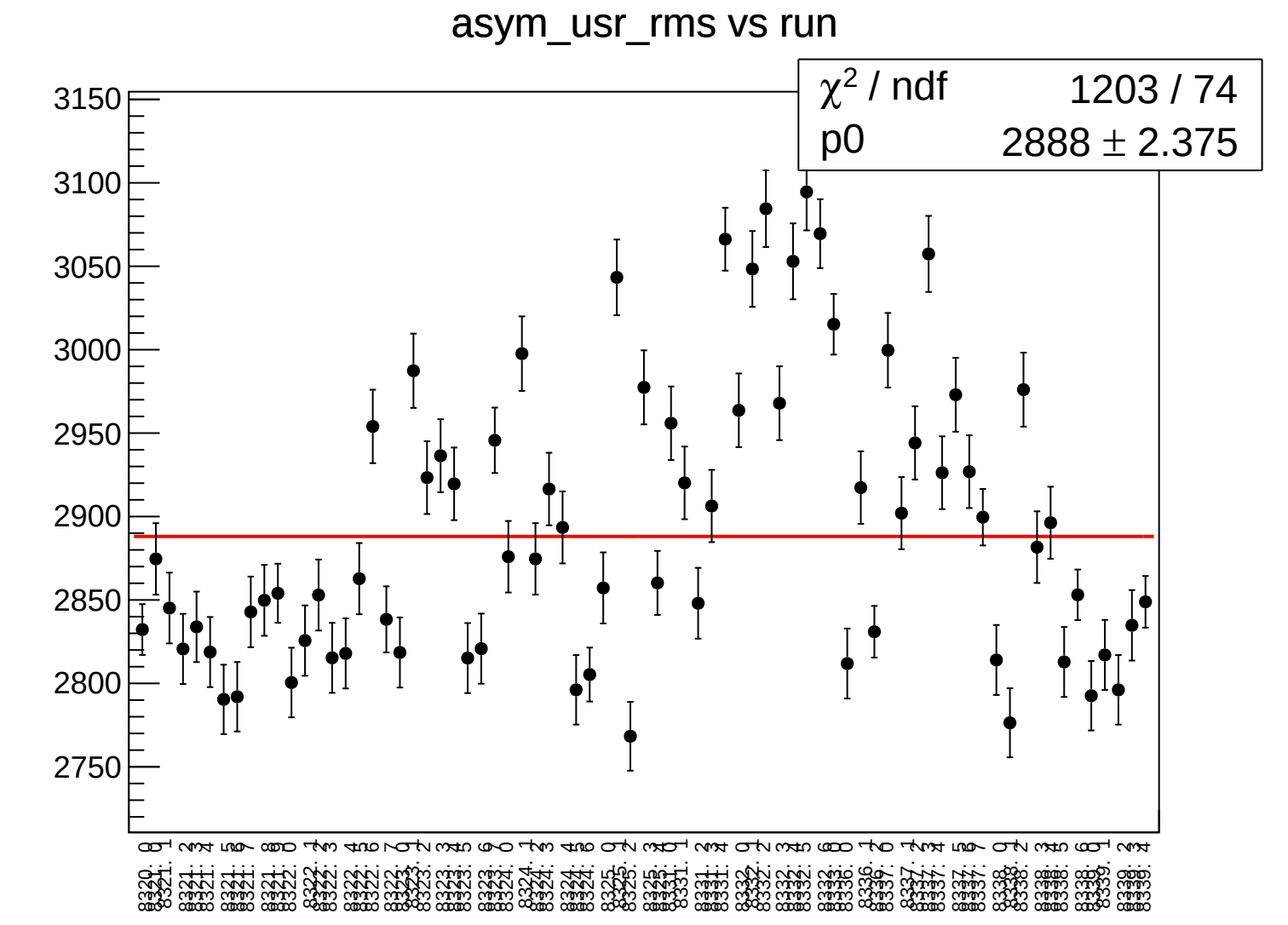

asym_usr_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.45 / 74
p0 1344 ± 3134
100
50
0
−50
−100
pull
Entries 75
Mean −361.3
Std Dev 0
2
1
0
−1
−2

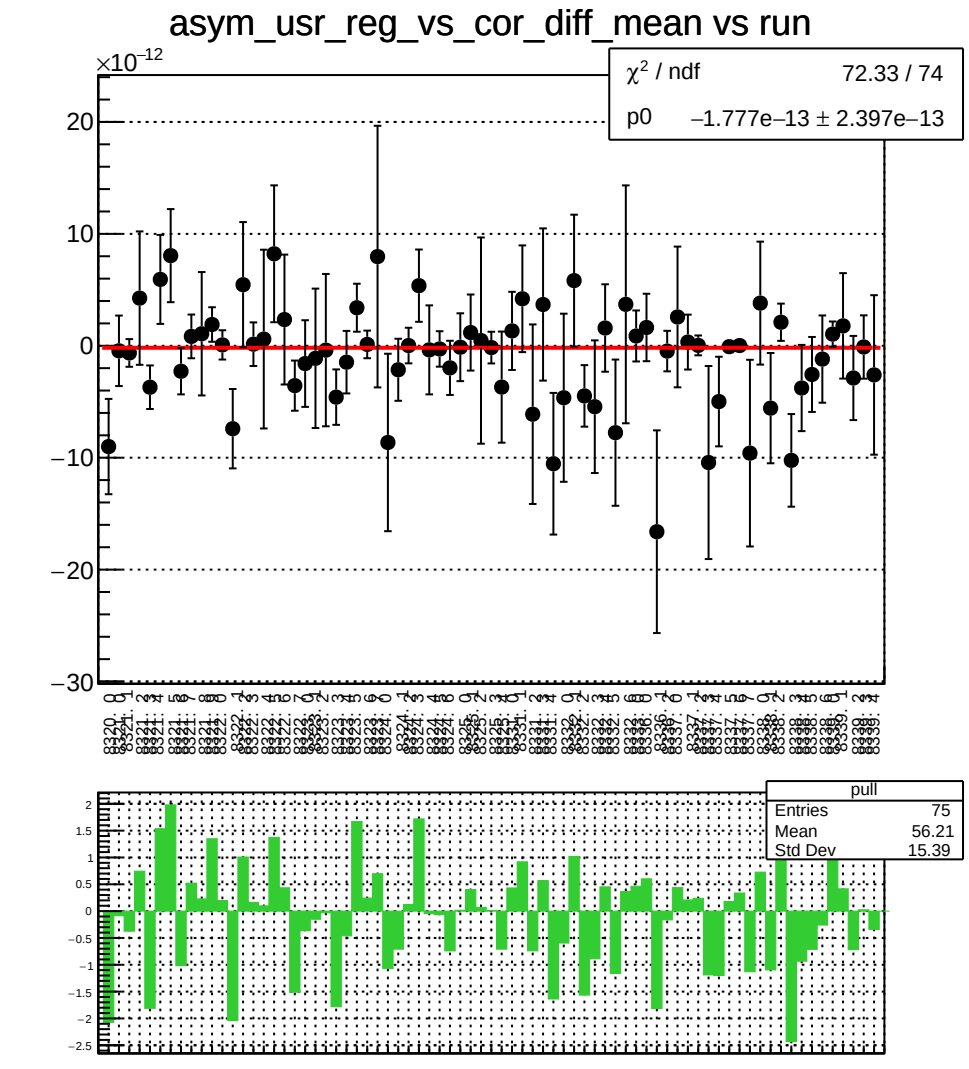

pull1D
Entries 75
Mean 0.002313
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

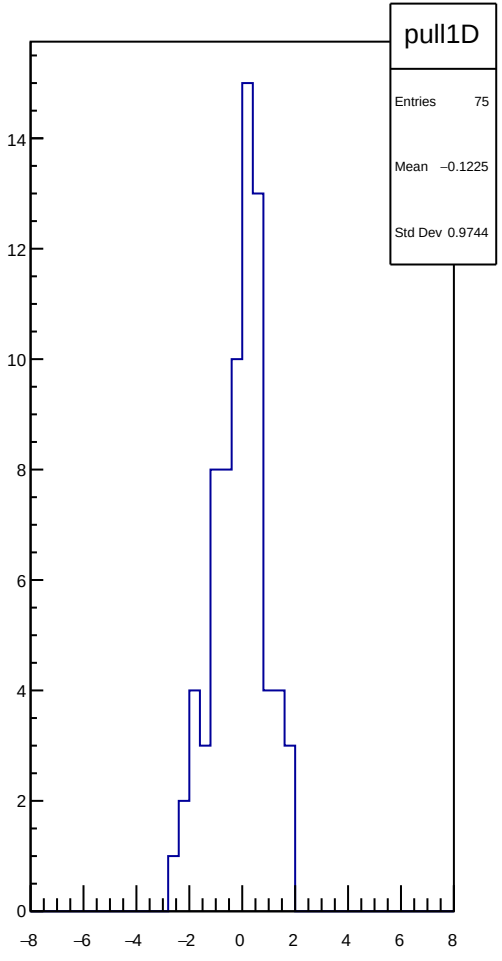

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 1380 / 74
p0 2695 ± 2.216
2900
2850
2800
2750
2700
2650
2600
2550

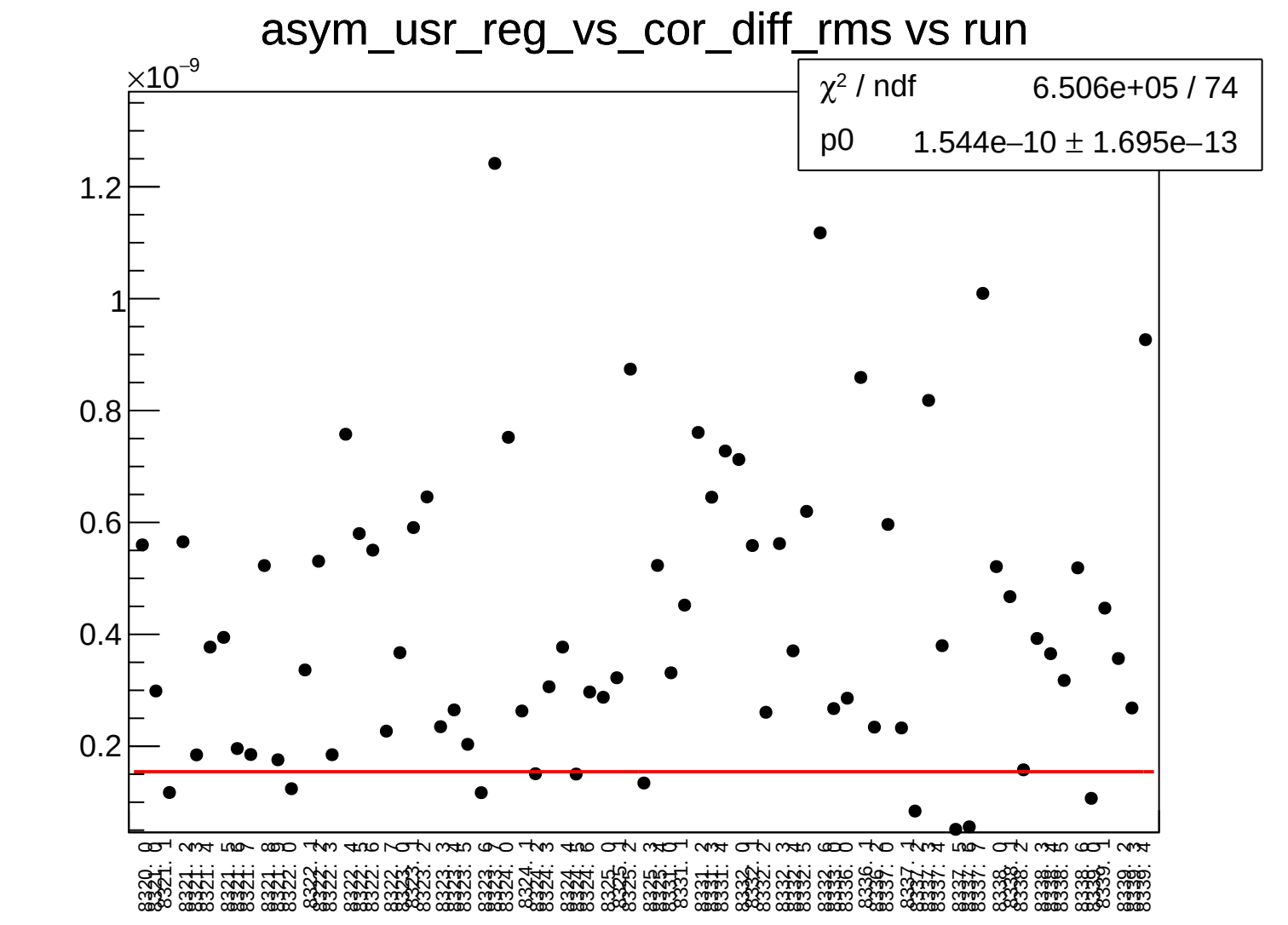

asym_usr_mean vs run
×10^3
χ² / ndf 72.42 / 74
p0 −4728 ± 3359
100
50
0
−50
−100
pull
Entries 75
Mean 119.6
Std Dev 0
2
1
0
−1
−2

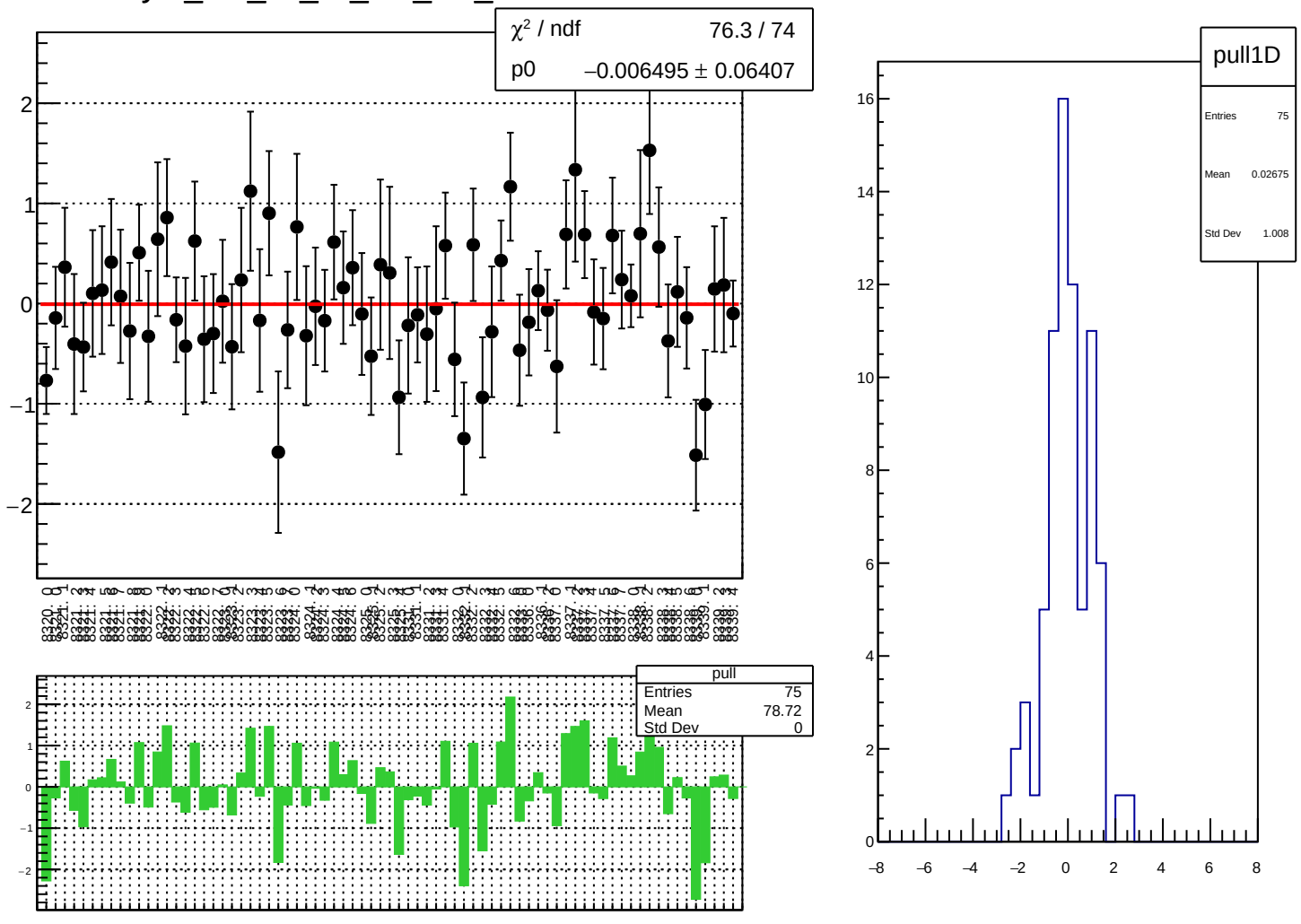

pull1D
Entries 75
Mean −0.009115
Std Dev 0.9826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

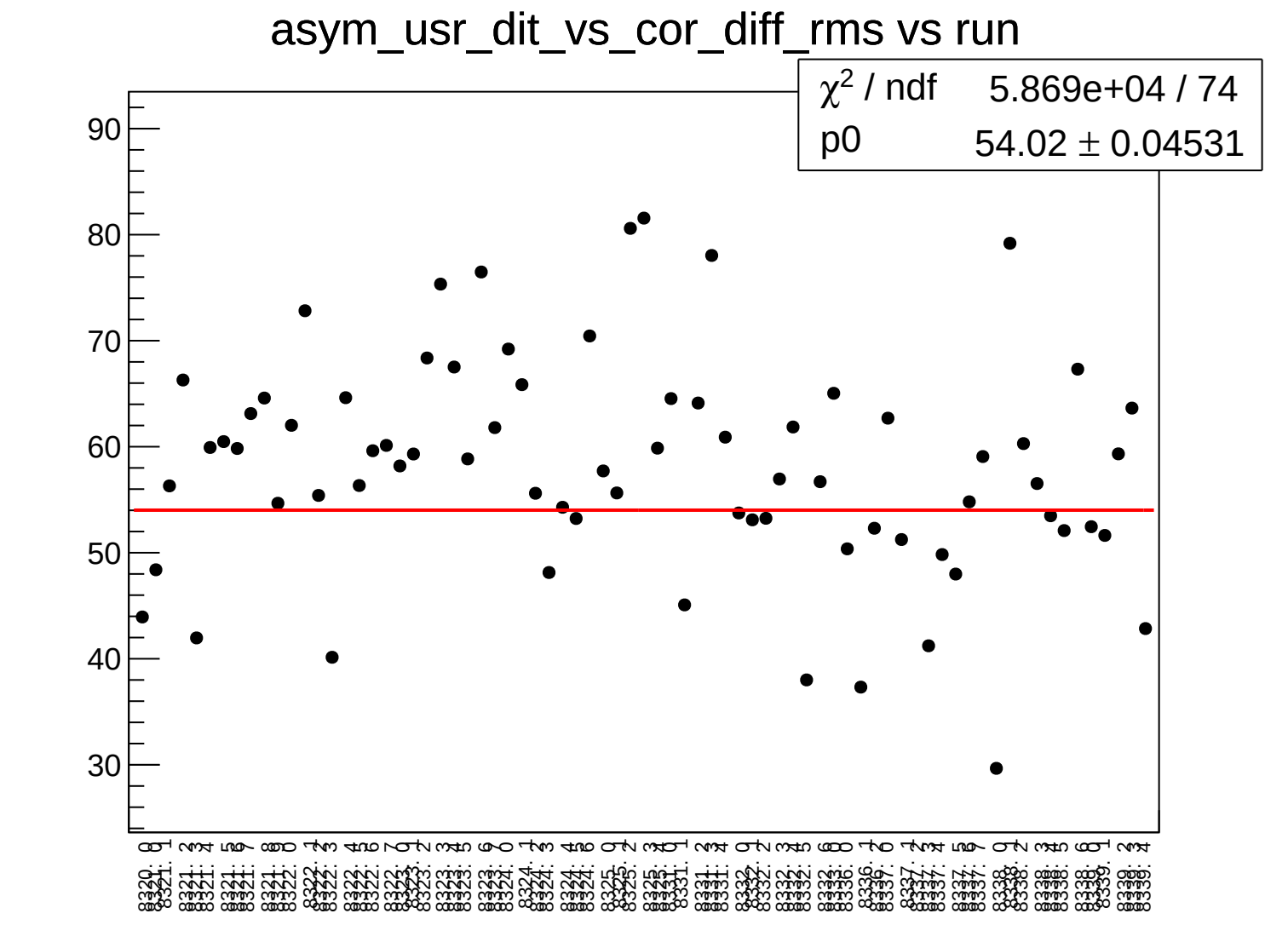

asym_usr_rms vs run
χ² / ndf 1203 / 74
p0 2888 ± 2.375
3150
3100
3050
3000
2950
2900
2850
2800
2750

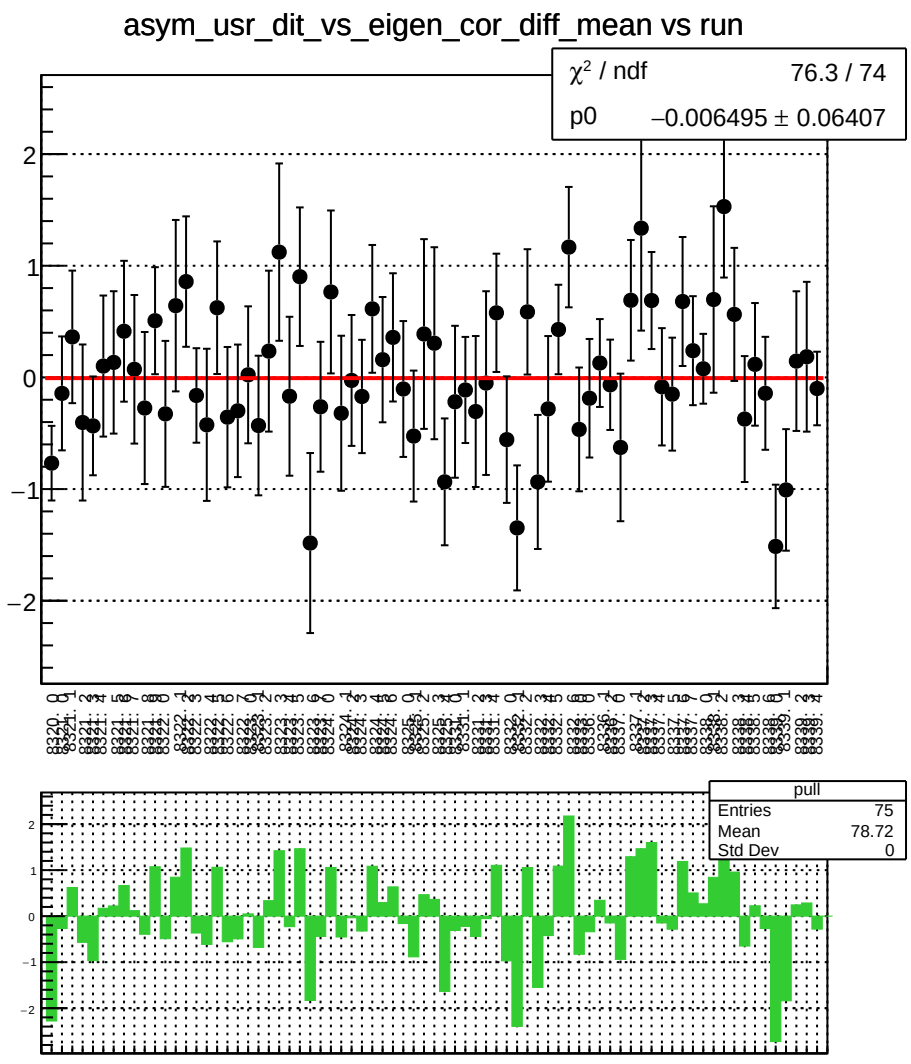

asym_usr_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.33 / 74
p0 −1.777e−13 ± 2.397e−13
pull
Entries 75
Mean 56.21
Std Dev 15.39

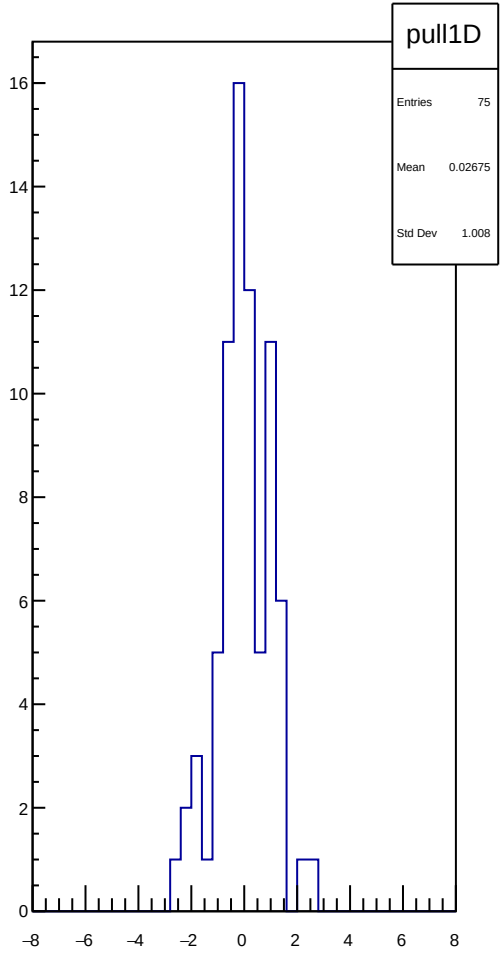

pull1D
Entries 75
Mean −0.1225
Std Dev 0.9744

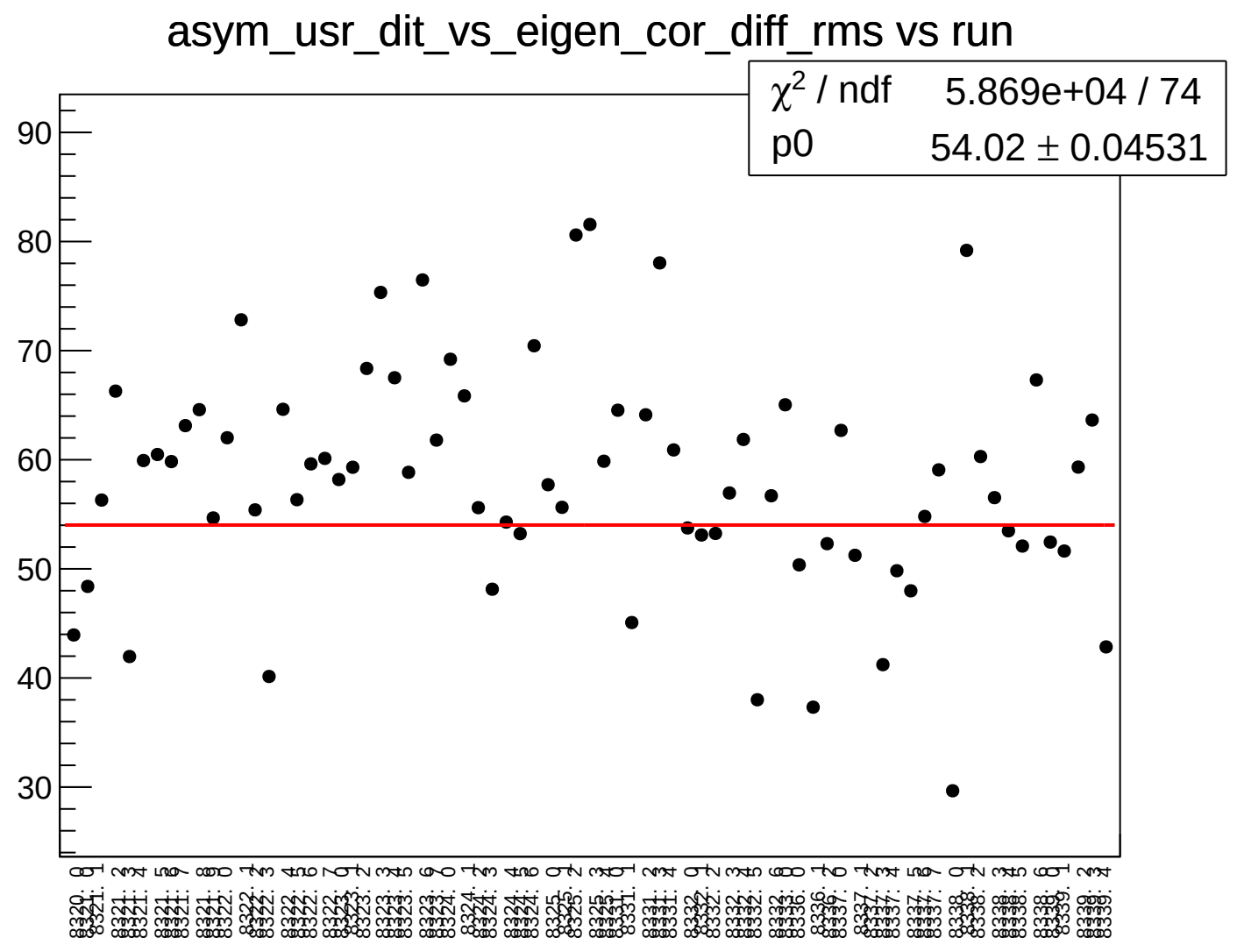

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.506e+05 / 74
p0 1.544e−10 ± 1.695e−13
1.2
1
0.8
0.6
0.4
0.2

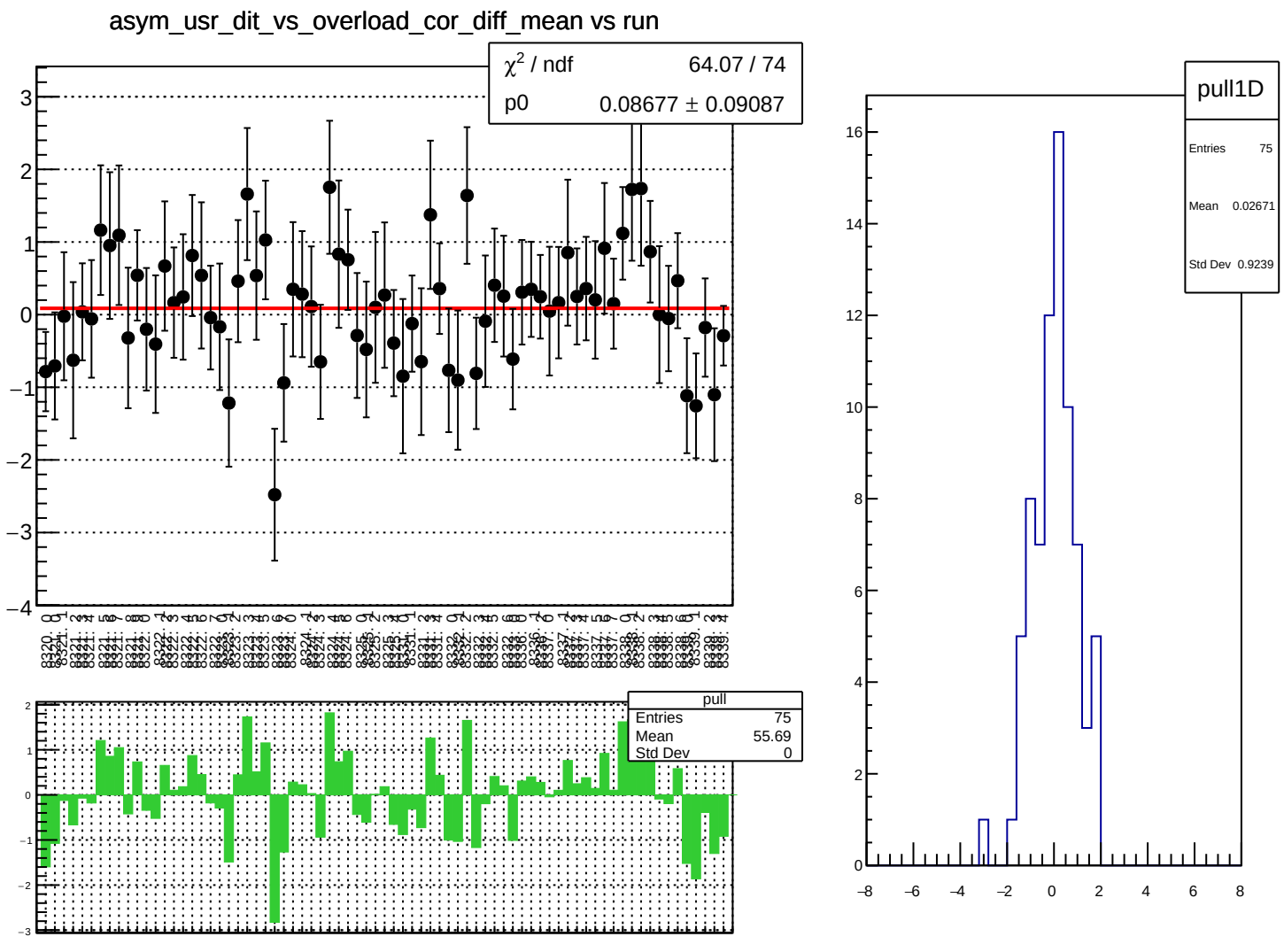

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 76.3 / 74
p0 −0.006495 ± 0.06407
pull
Entries 75
Mean 78.72
Std Dev 0
pull1D
Entries 75
Mean 0.02675
Std Dev 1.008

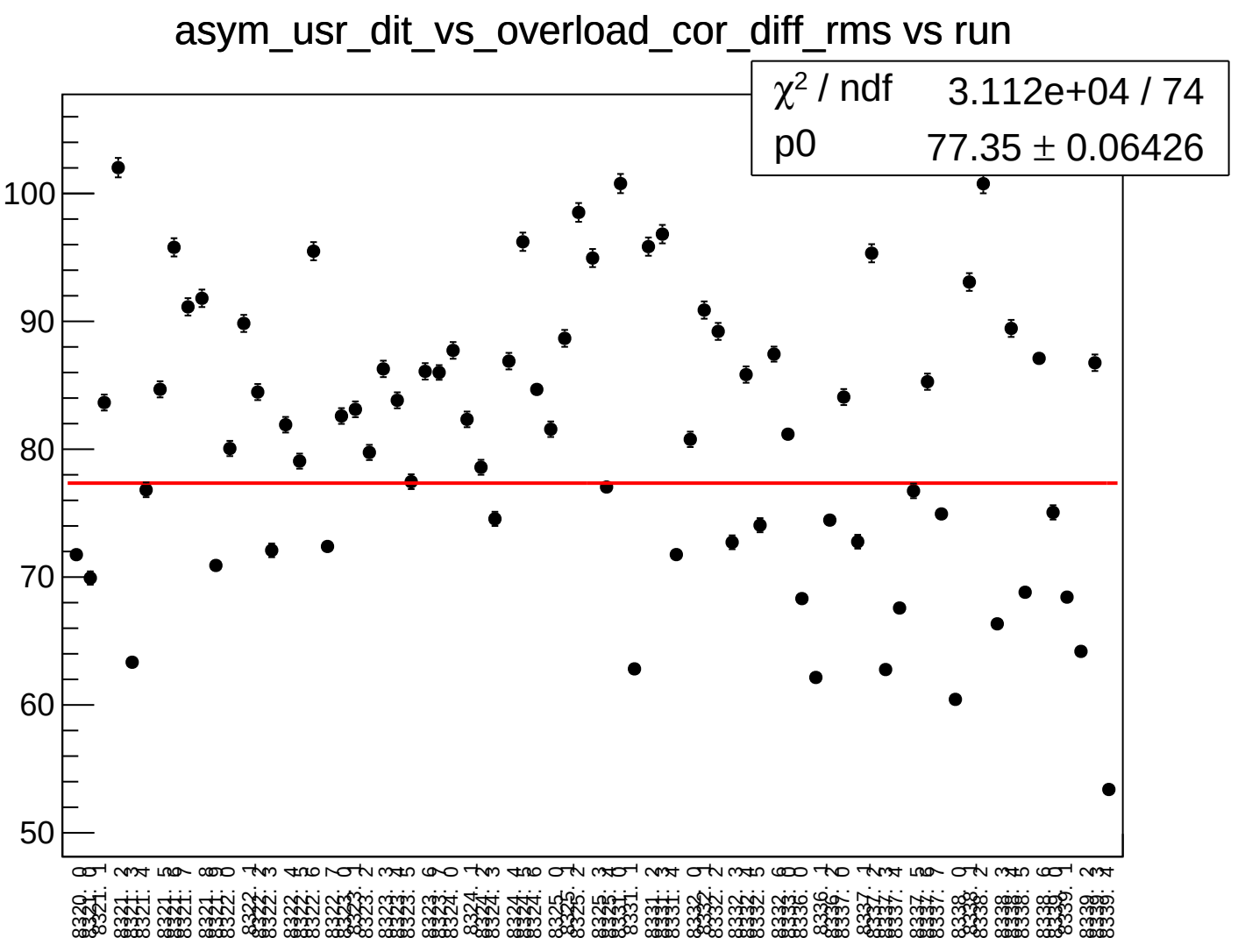

asym_usr_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.869e+04 / 74
p0 54.02 ± 0.04531
90
80
70
60
50
40
30

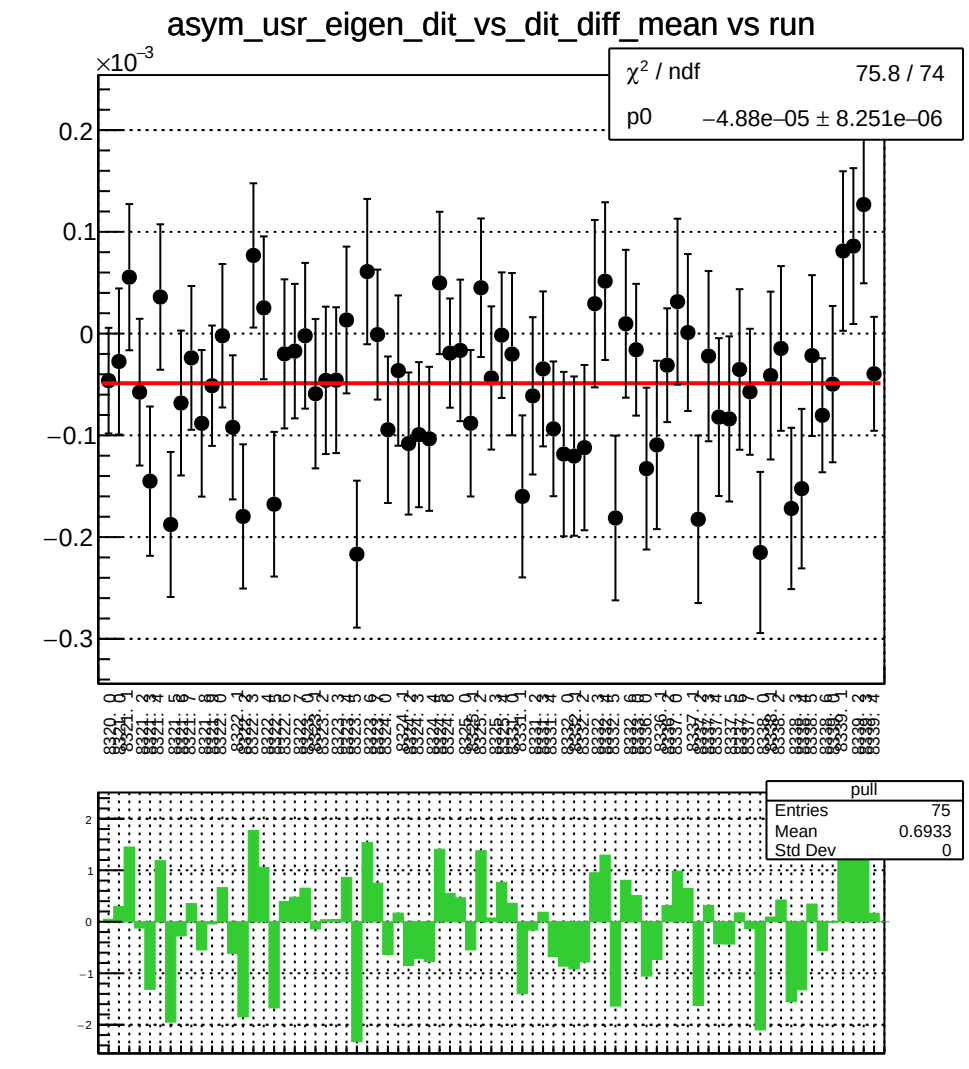

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.3 / 74
p0 −0.006495 ± 0.06407
pull
Entries 75
Mean 78.72
Std Dev 0

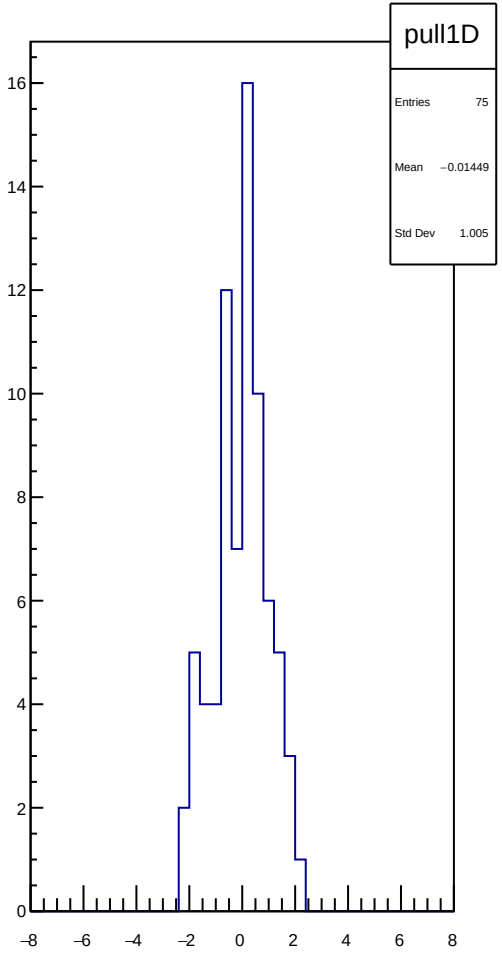

pull1D
Entries 75
Mean 0.02675
Std Dev 1.008

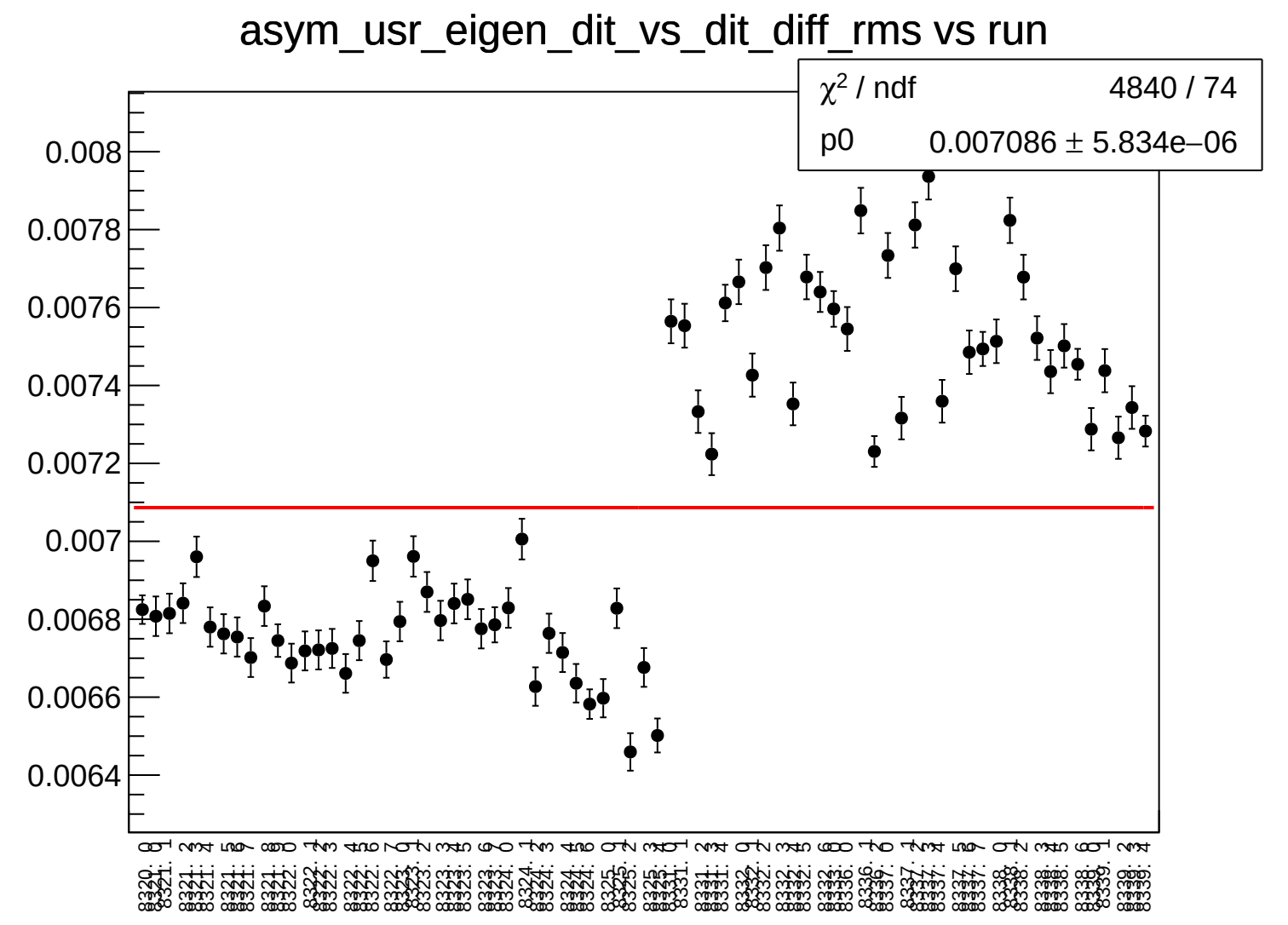

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.869e+04 / 74
p0 54.02 ± 0.04531
90
80
70
60
50
40
30

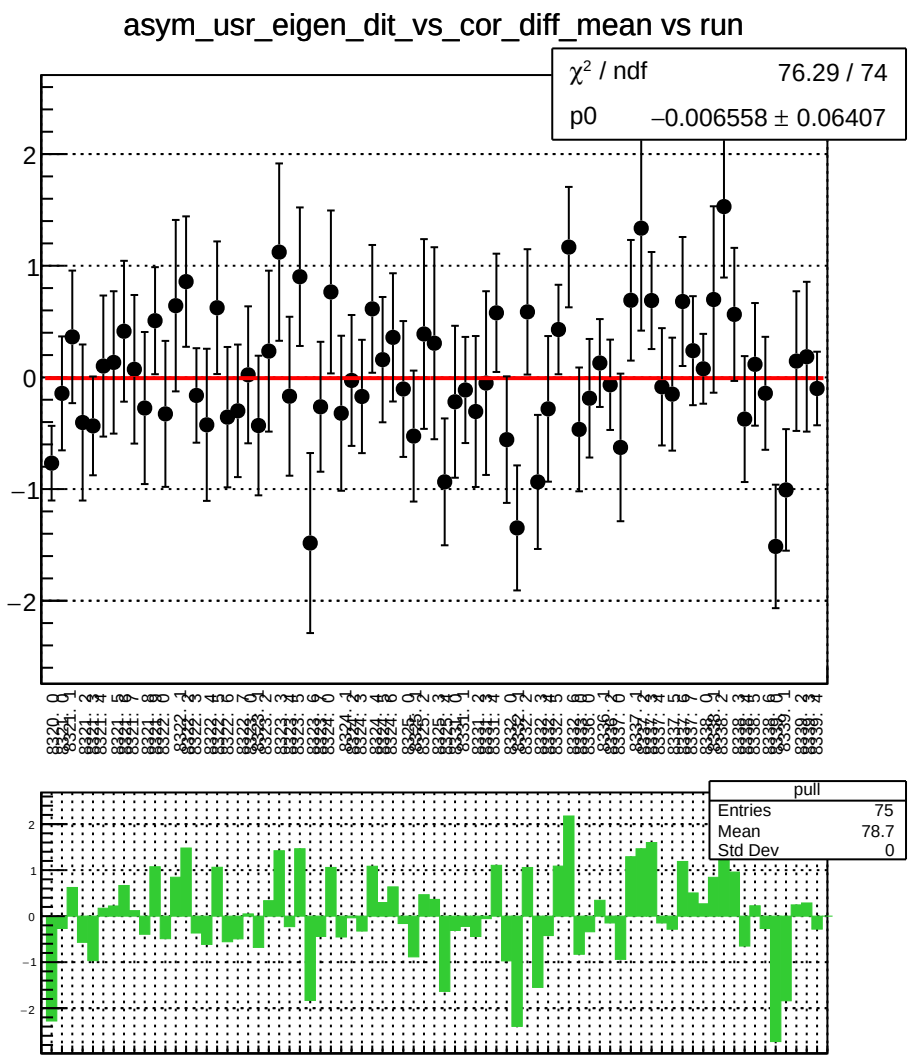

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 64.07 / 74
p0 0.08677 ± 0.09087
pull
Entries 75
Mean 55.69
Std Dev 0
pull1D
Entries 75
Mean 0.02671
Std Dev 0.9239

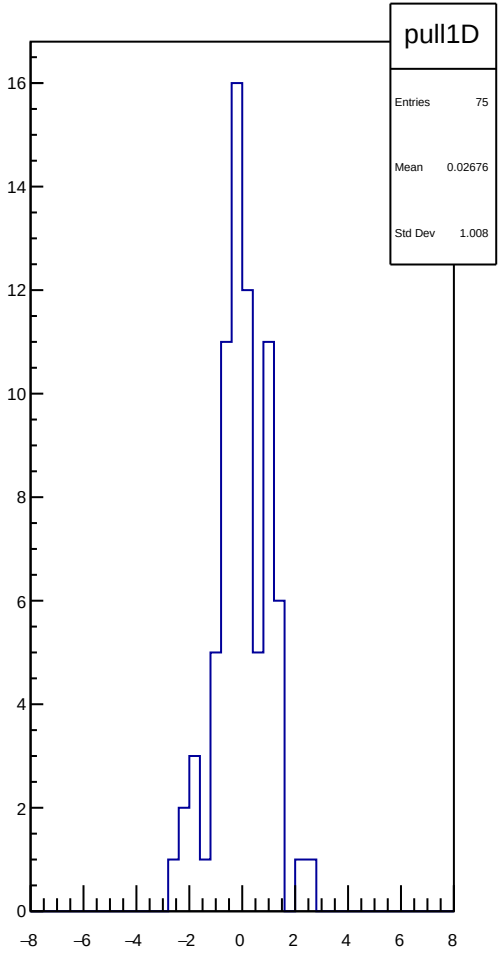

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.112e+04 / 74
p0 77.35 ± 0.06426
100
90
80
70
60
50

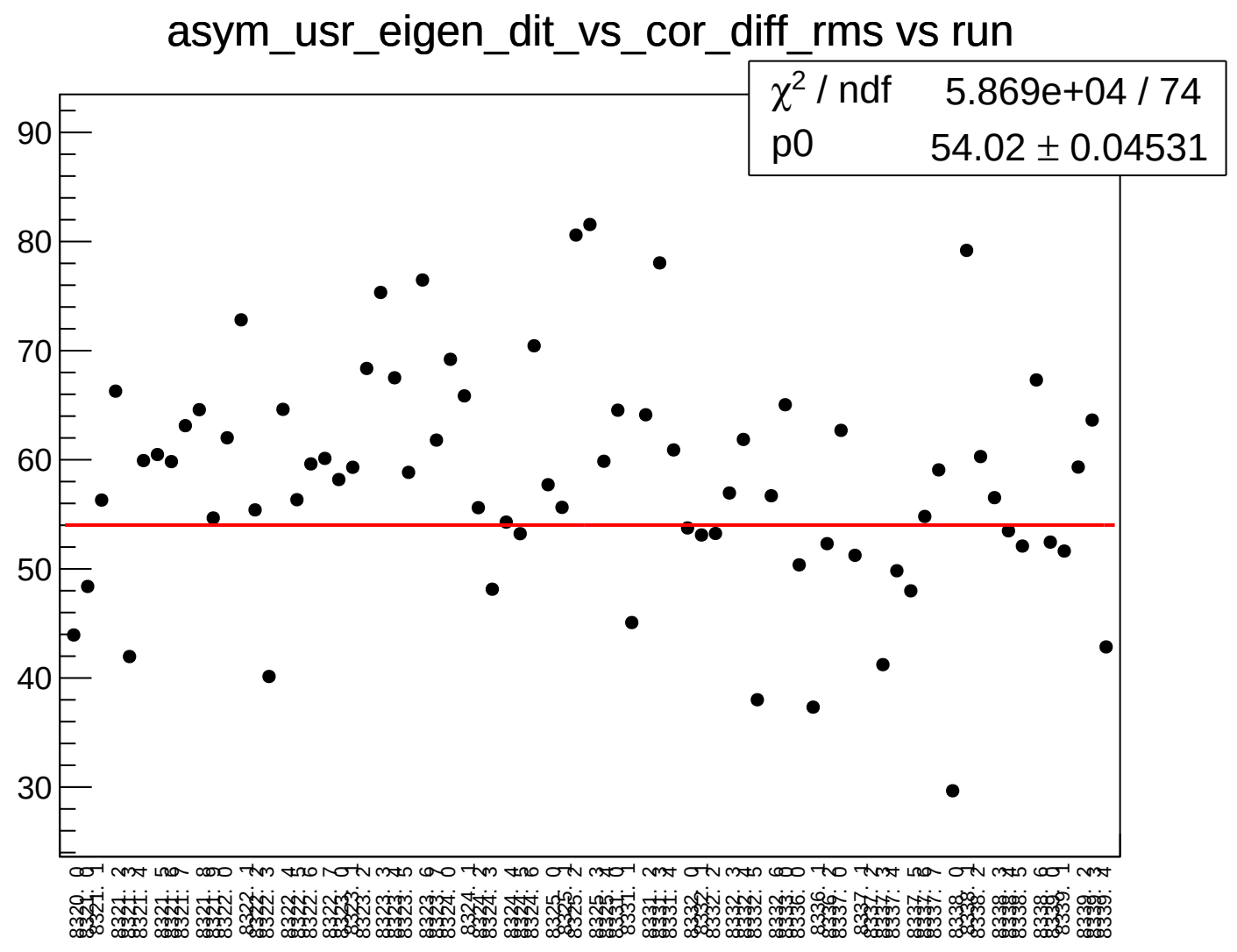

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.8 / 74
p0 −4.88e−05 ± 8.251e−06
pull
Entries 75
Mean 0.6933
Std Dev 0

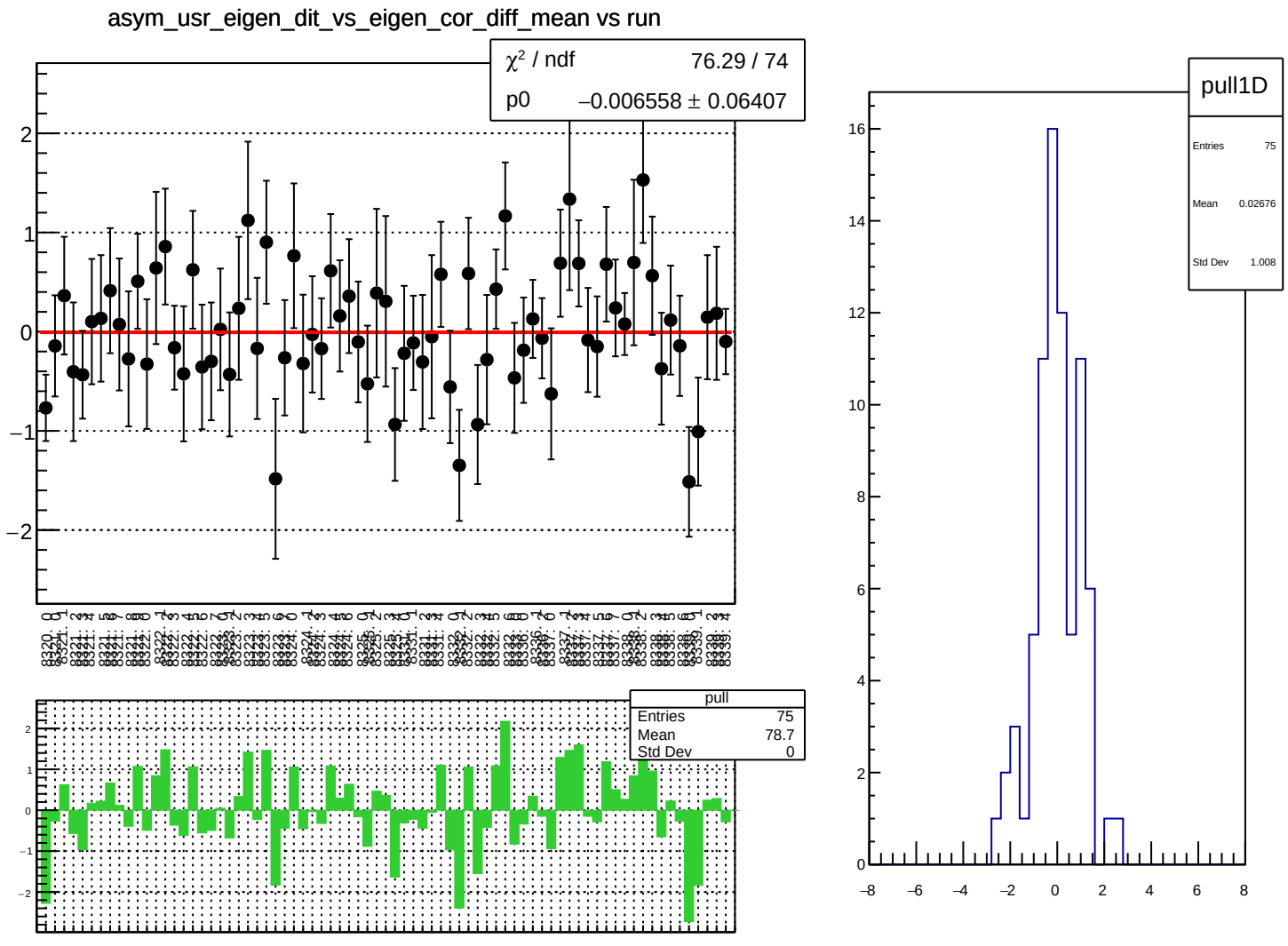

pull1D
Entries 75
Mean −0.01449
Std Dev 1.005

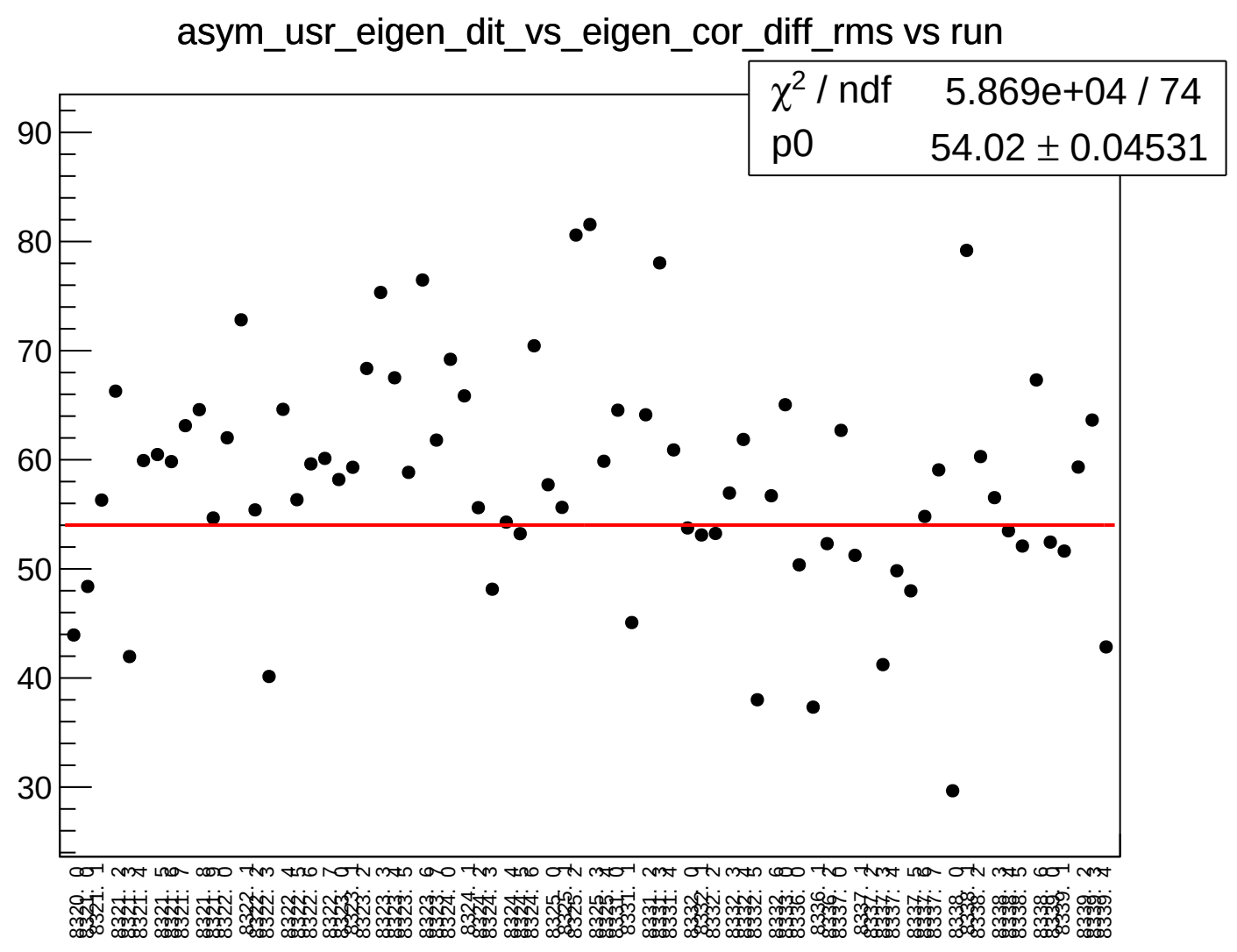

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4840 / 74
p0 0.007086 ± 5.834e−06
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

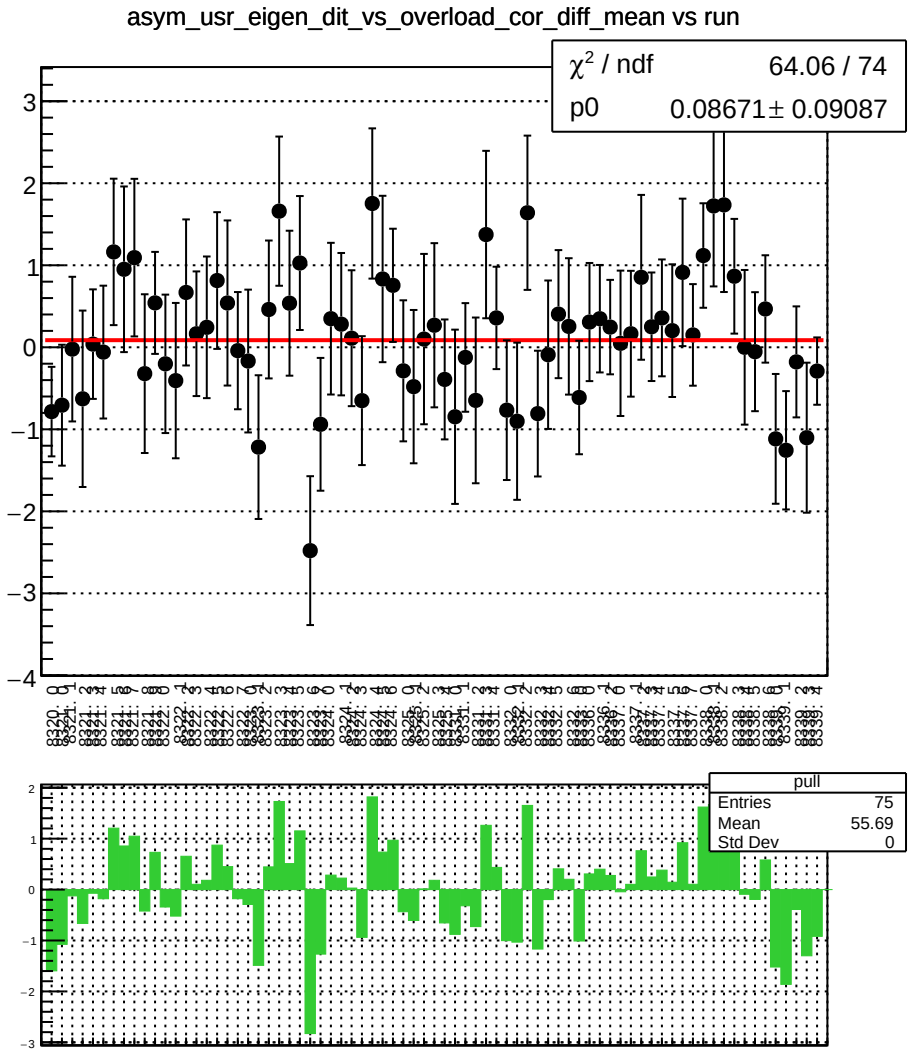

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.29 / 74
p0 −0.006558 ± 0.06407
pull
Entries 75
Mean 78.7
Std Dev 0

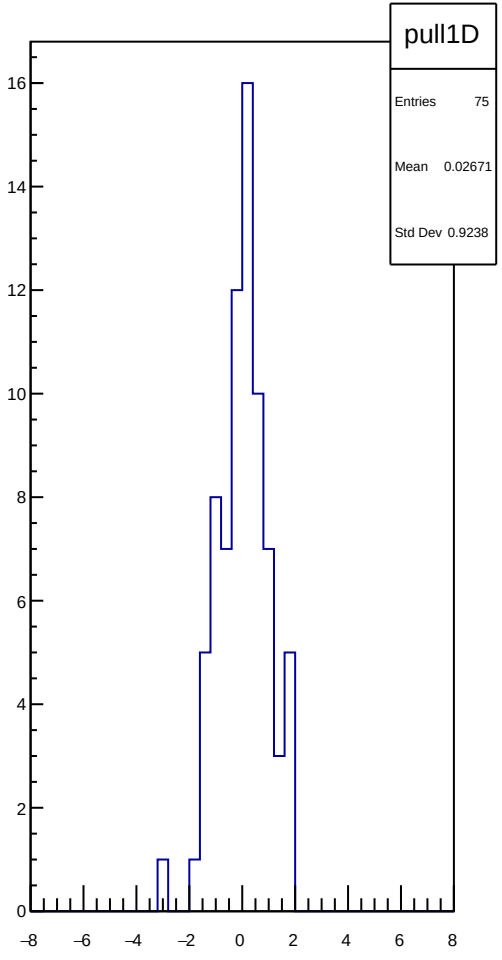

pull1D
Entries 75
Mean 0.02676
Std Dev 1.008

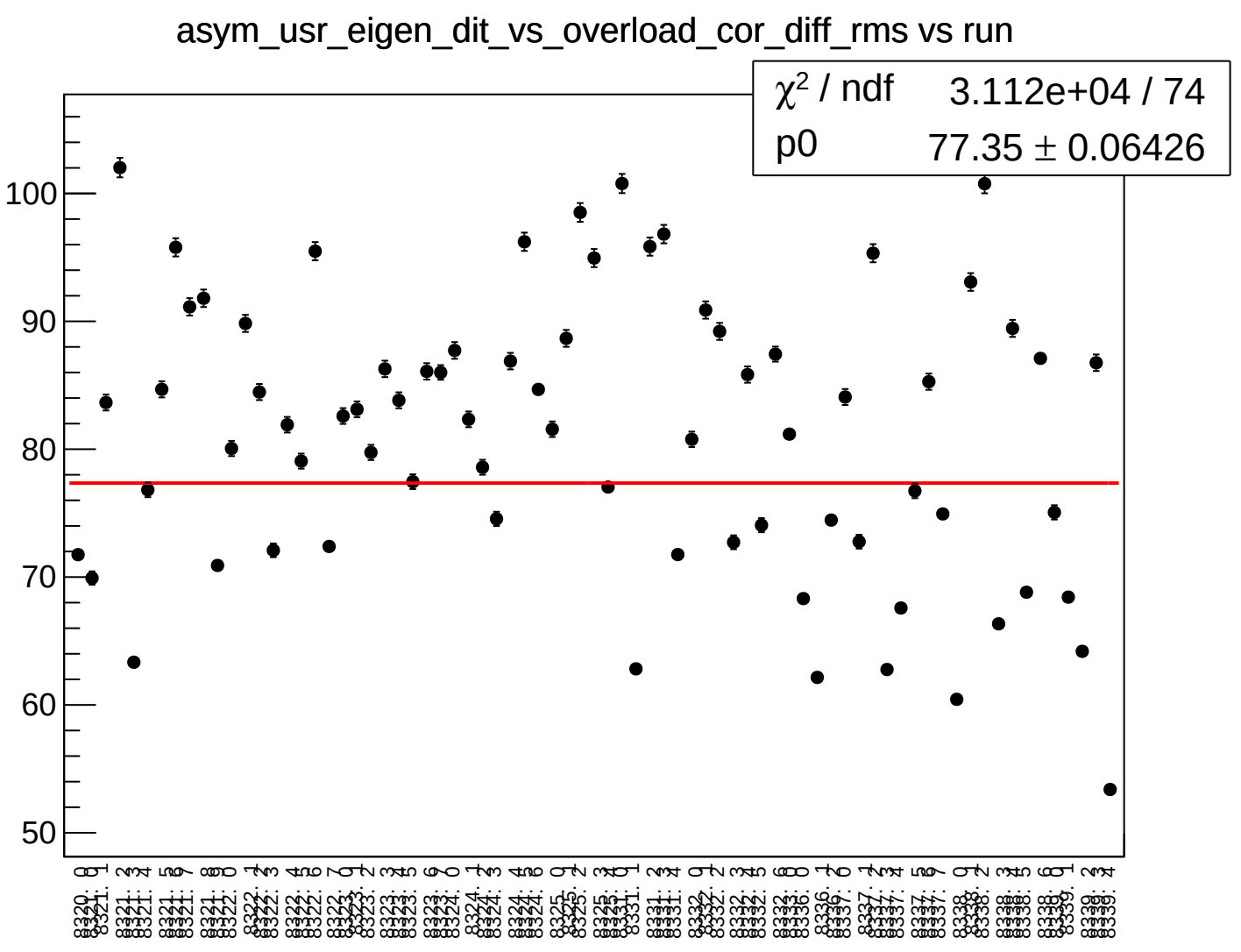

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 74
p0 54.02 ± 0.04531
90
80
70
60
50
40
30

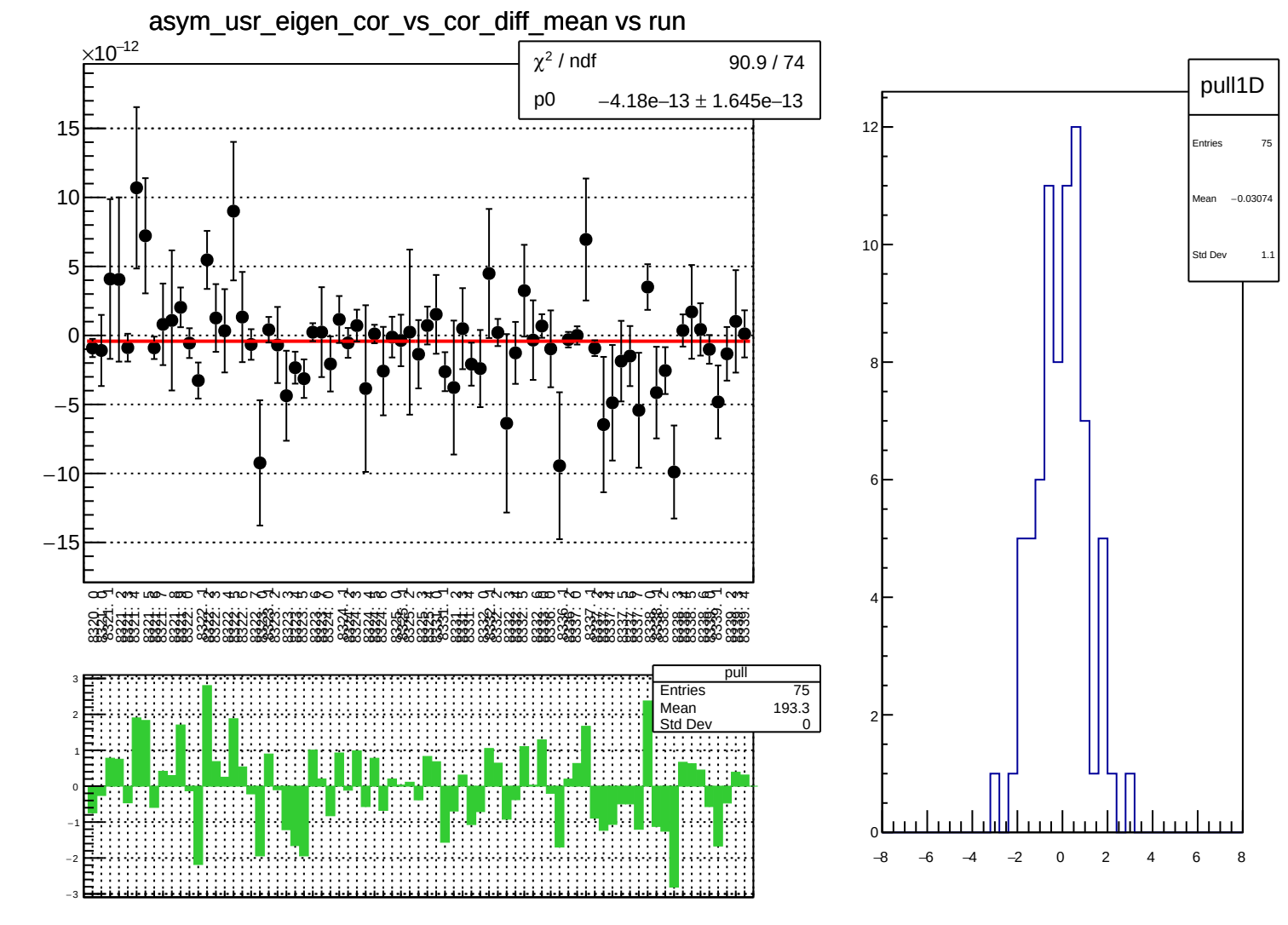

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.29 / 74
p0 −0.006558 ± 0.06407
pull
Entries 75
Mean 78.7
Std Dev 0
pull1D
Entries 75
Mean 0.02676
Std Dev 1.008

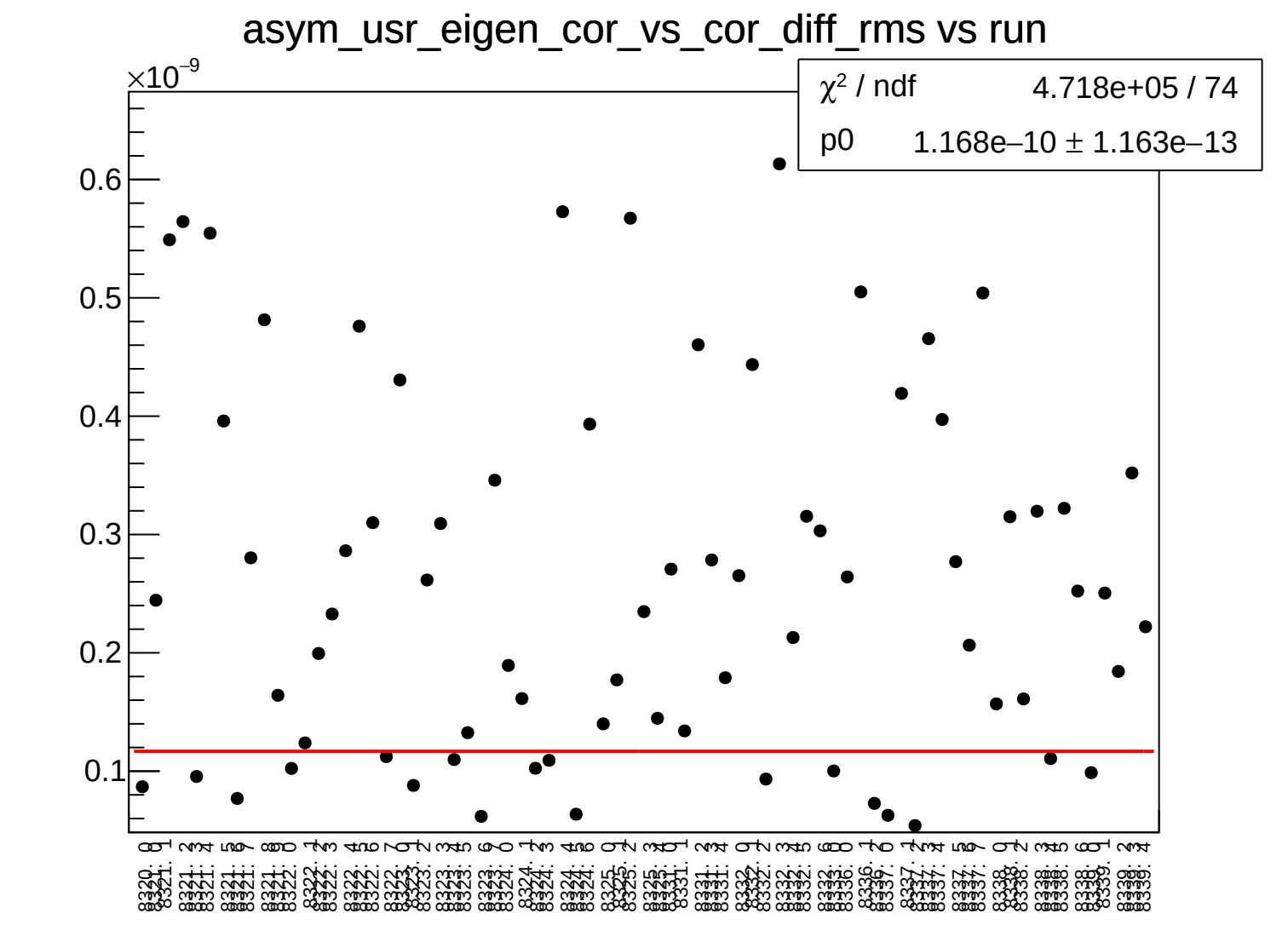

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.869e+04 / 74
p0 54.02 ± 0.04531
90
80
70
60
50
40
30

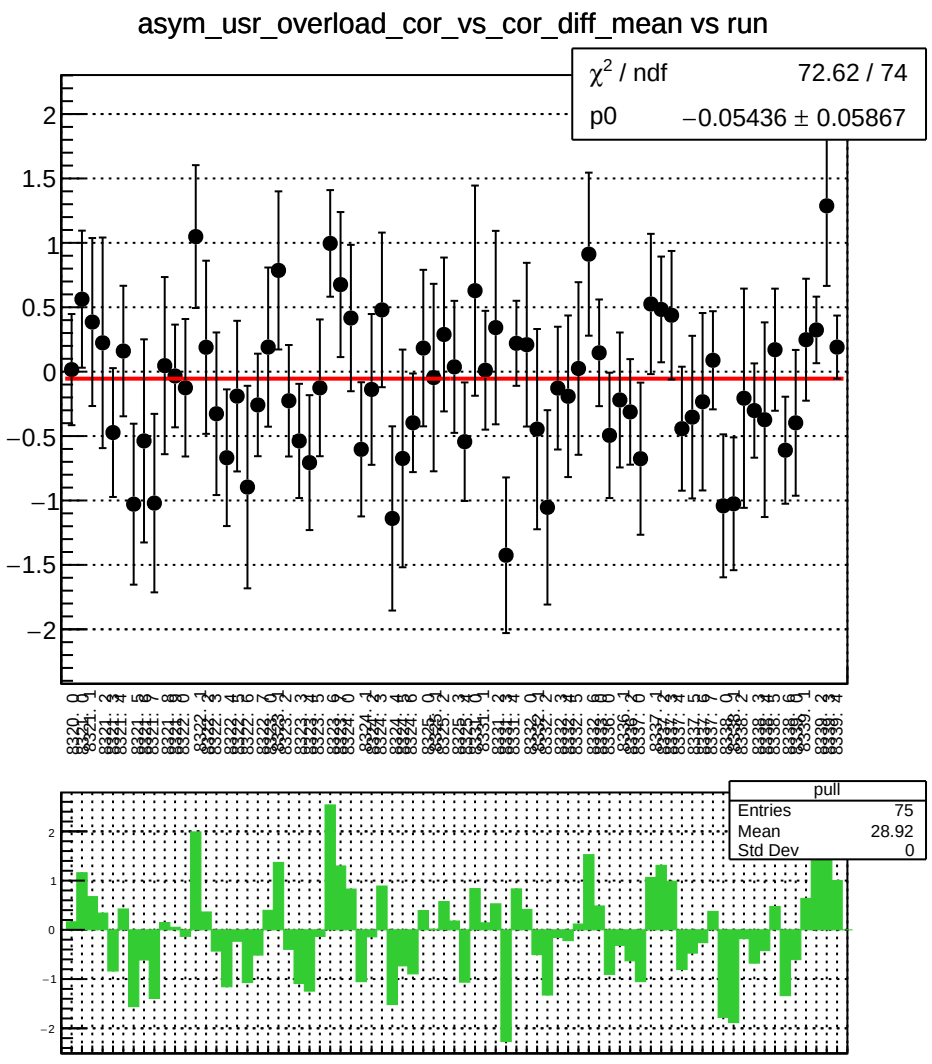

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 64.06 / 74
p0 0.08671 ± 0.09087
pull
Entries 75
Mean 55.69
Std Dev 0

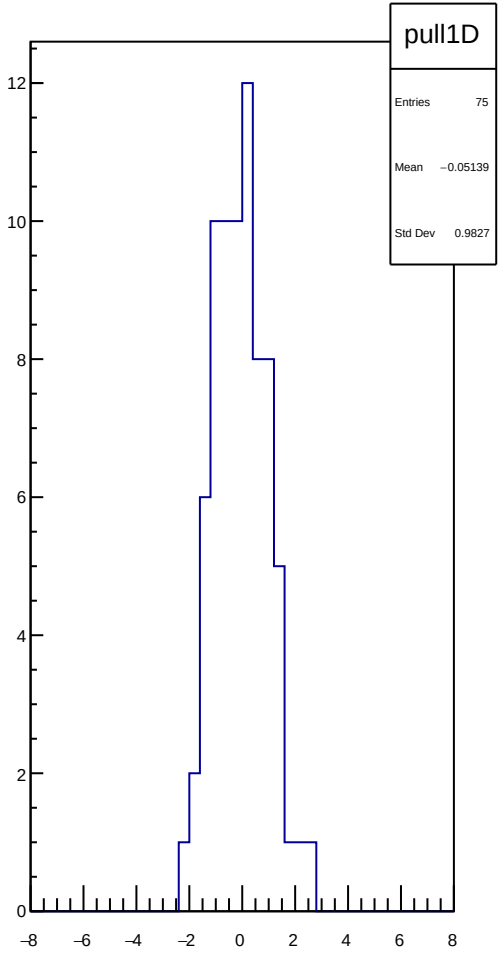

pull1D
Entries 75
Mean 0.02671
Std Dev 0.9238

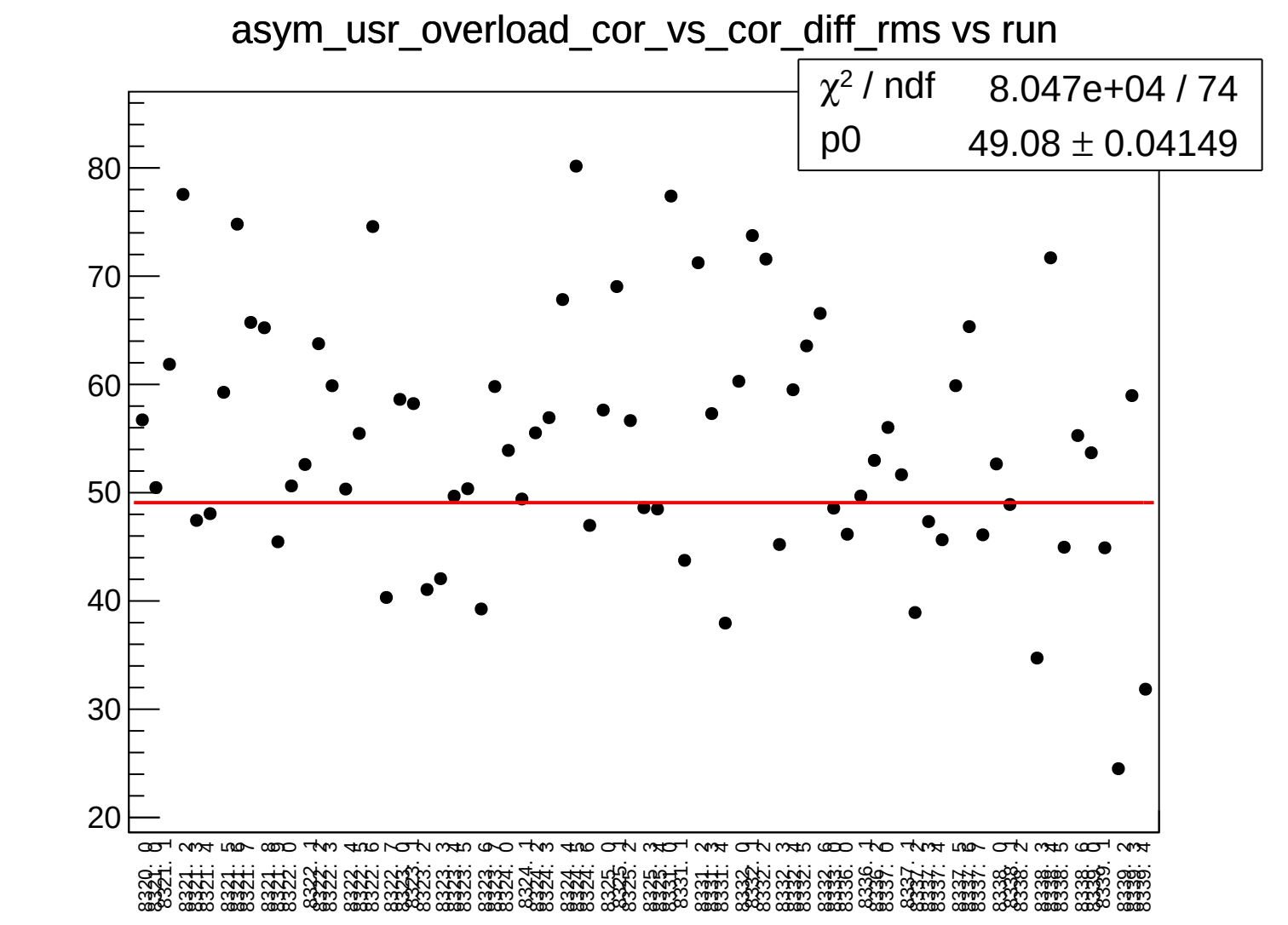

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.112e+04 / 74
p0 77.35 ± 0.06426
100
90
80
70
60
50

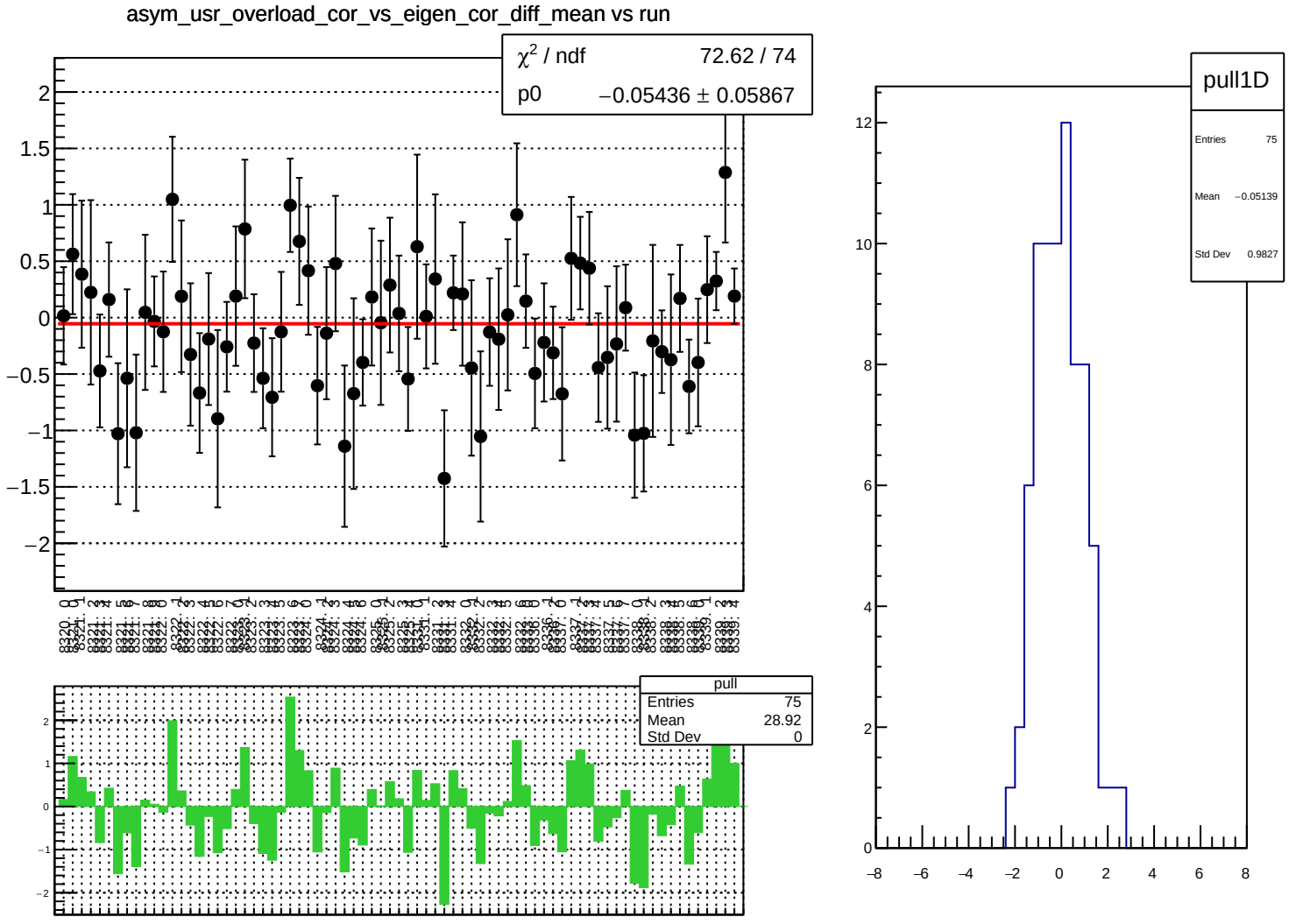

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.9 / 74
p0 −4.18e−13 ± 1.645e−13
pull
Entries 75
Mean 193.3
Std Dev 0
pull1D
Entries 75
Mean −0.03074
Std Dev 1.1

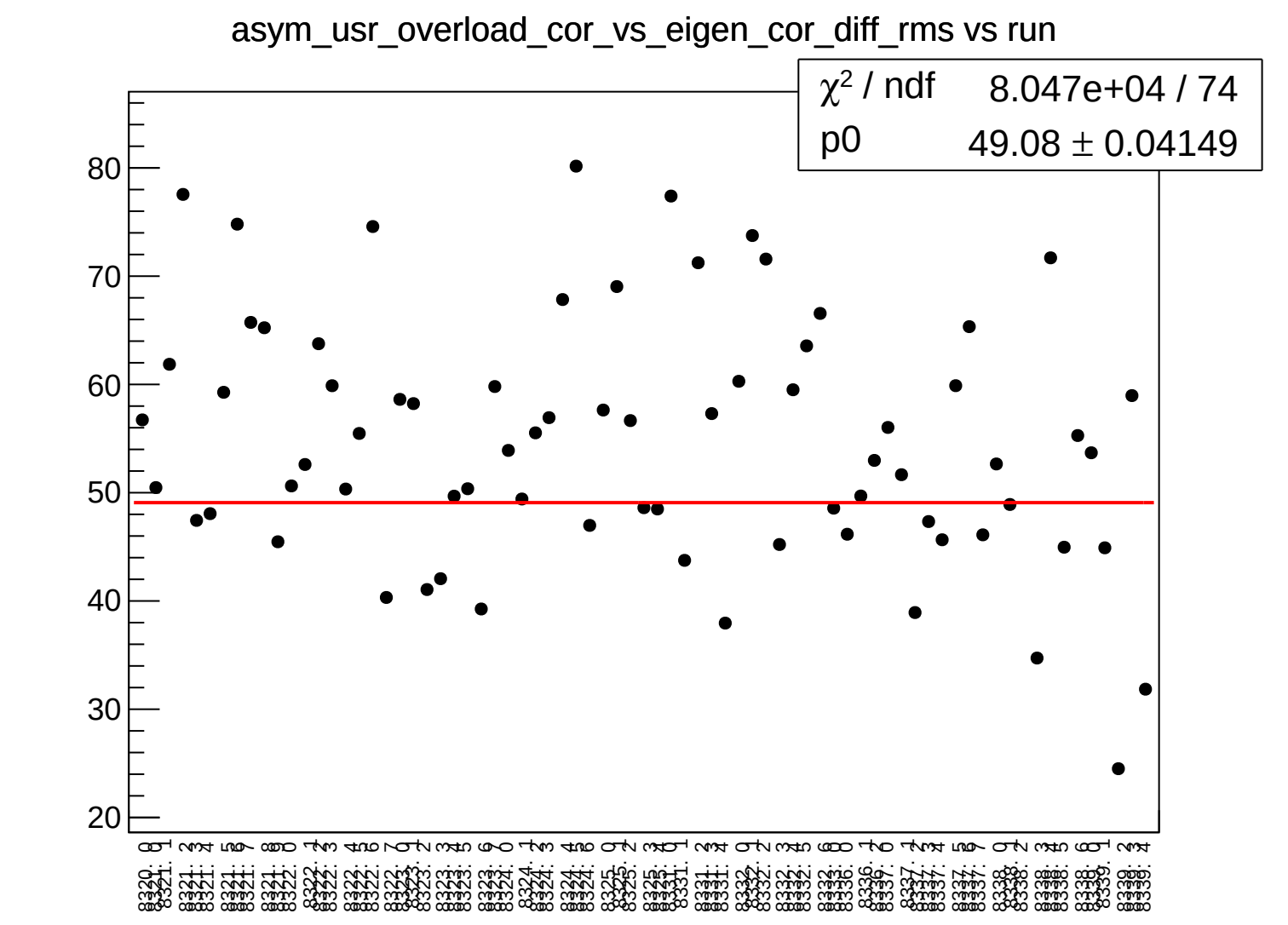

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.718e+05 / 74
p0 1.168e−10 ± 1.163e−13
0.6
0.5
0.4
0.3
0.2
0.1

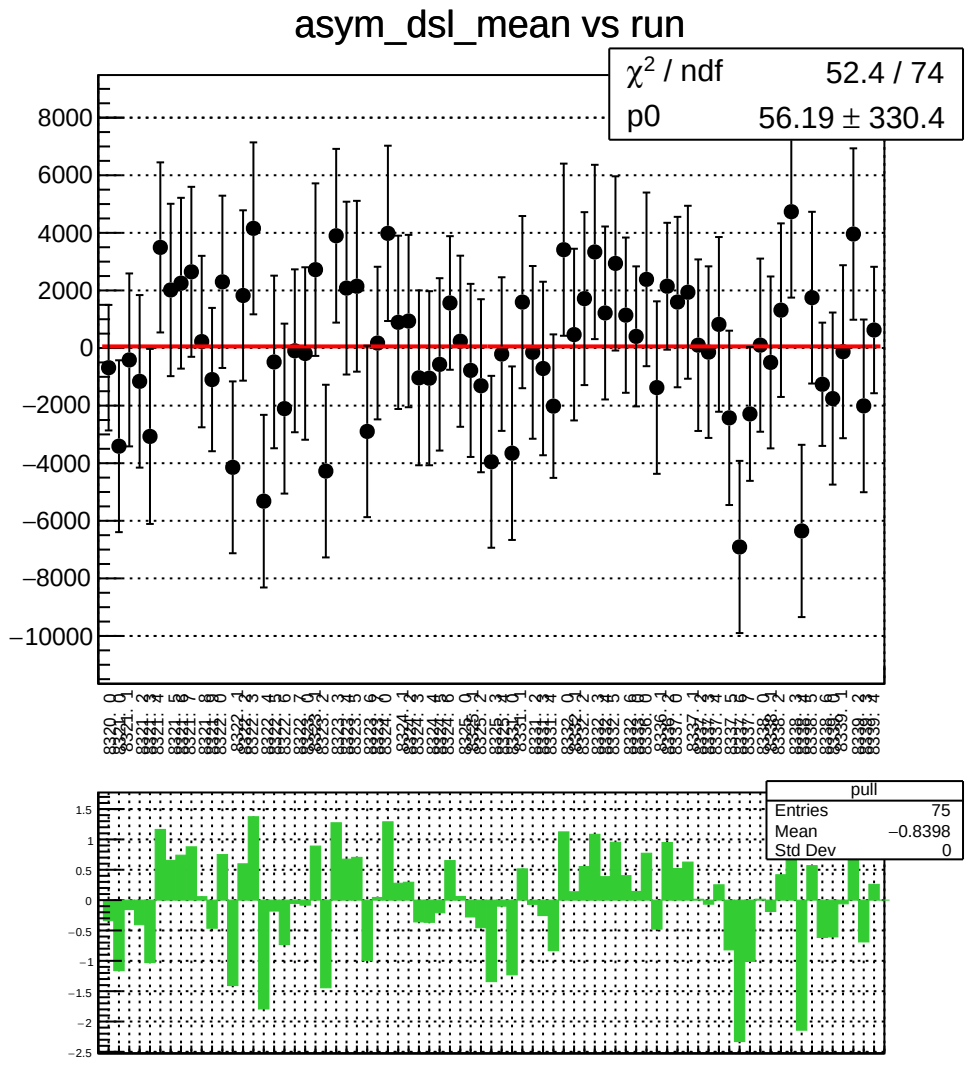

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 72.62 / 74
p0 −0.05436 ± 0.05867
pull
Entries 75
Mean 28.92
Std Dev 0

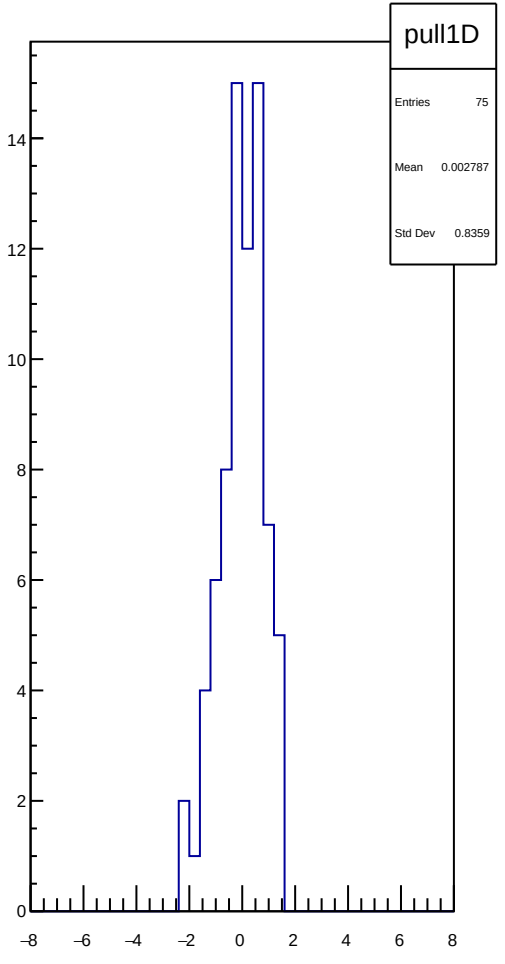

pull1D
Entries 75
Mean −0.05139
Std Dev 0.9827

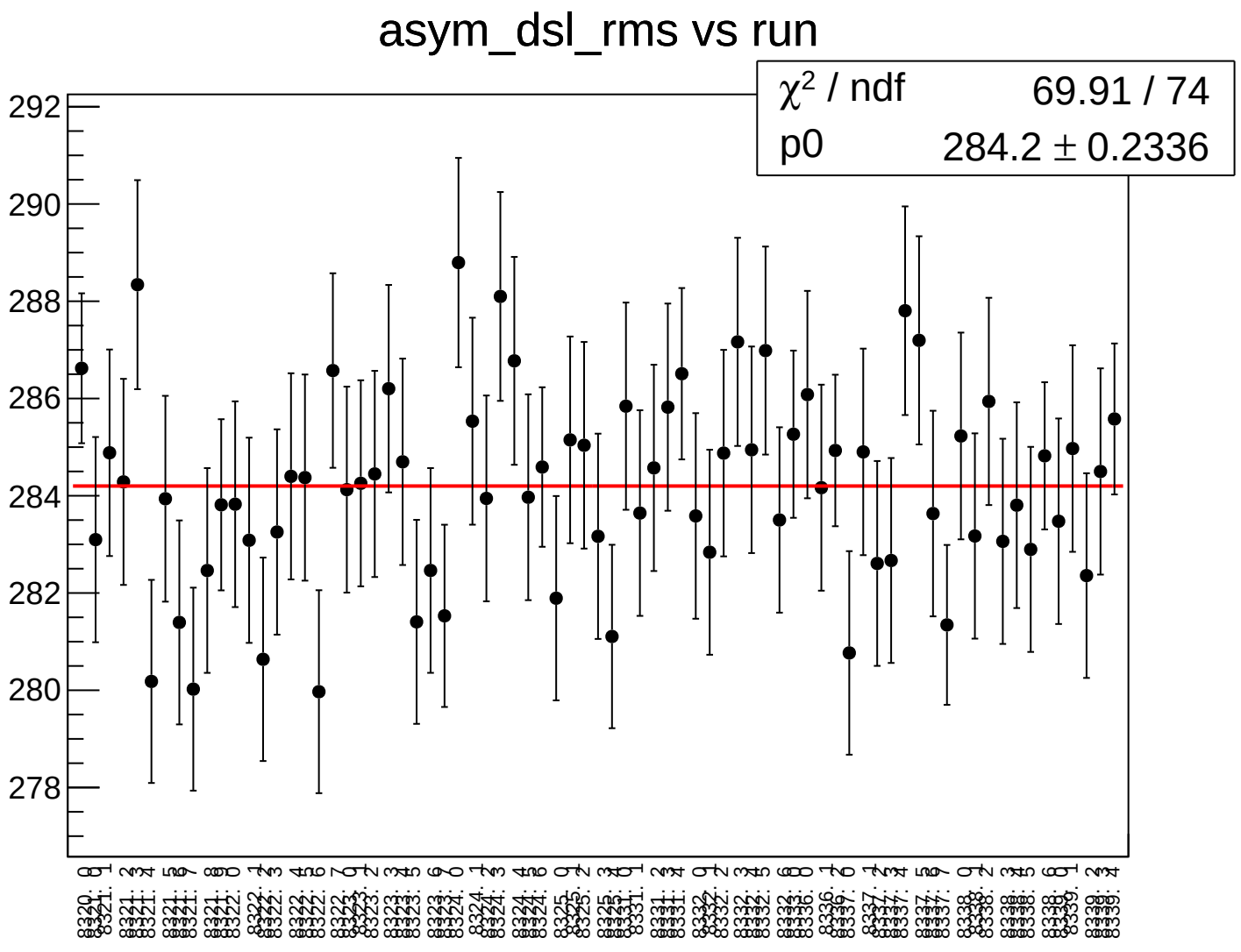

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 8.047e+04 / 74
p0 49.08 ± 0.04149
80
70
60
50
40
30
20

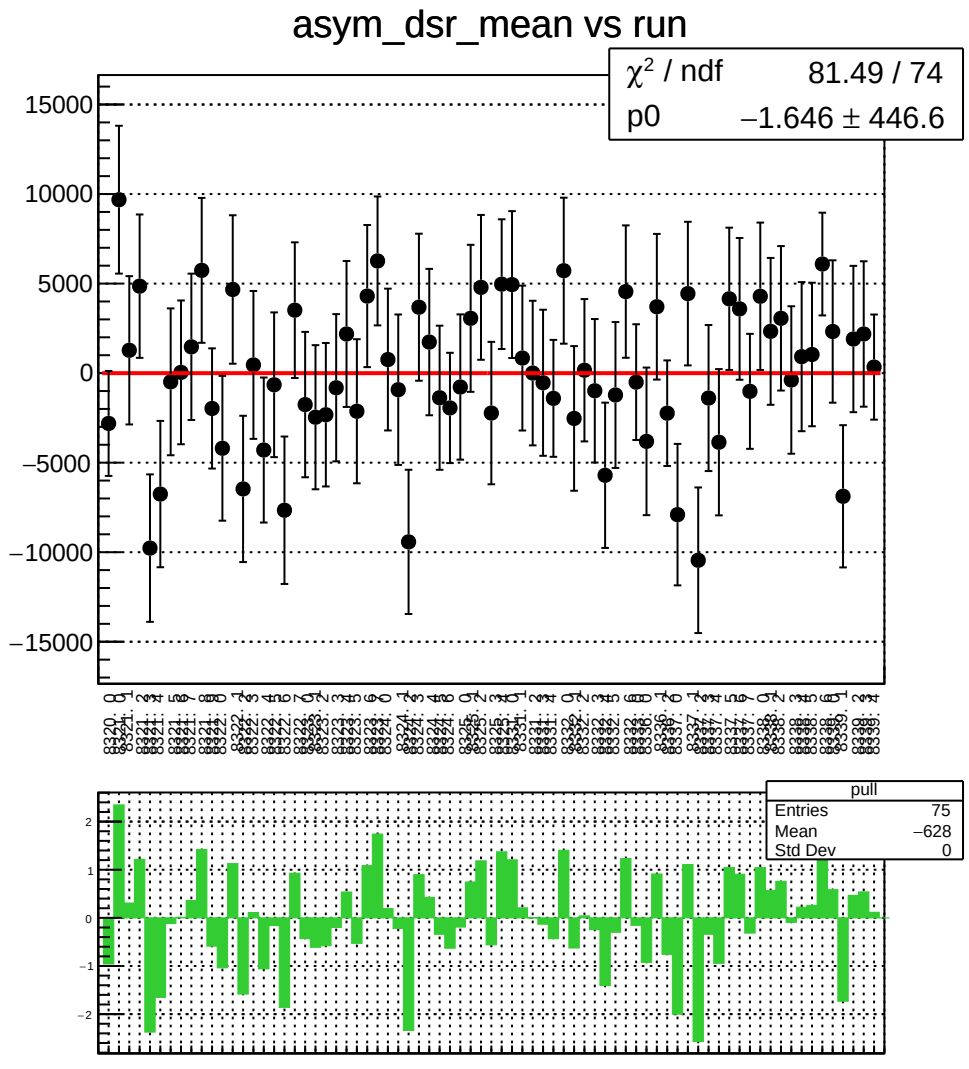

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.62 / 74
p0 −0.05436 ± 0.05867
pull
Entries 75
Mean 28.92
Std Dev 0
pull1D
Entries 75
Mean −0.05139
Std Dev 0.9827

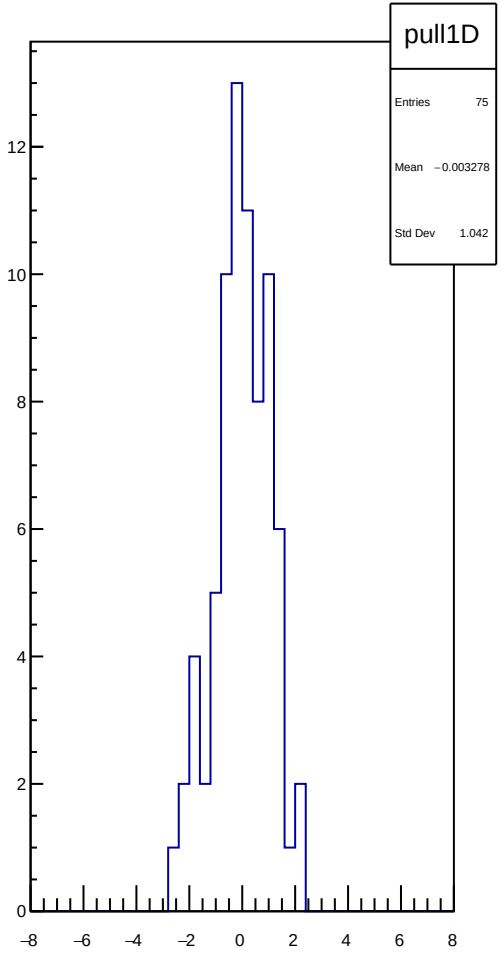

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.047e+04 / 74
p0 49.08 ± 0.04149
80
70
60
50
40
30
20

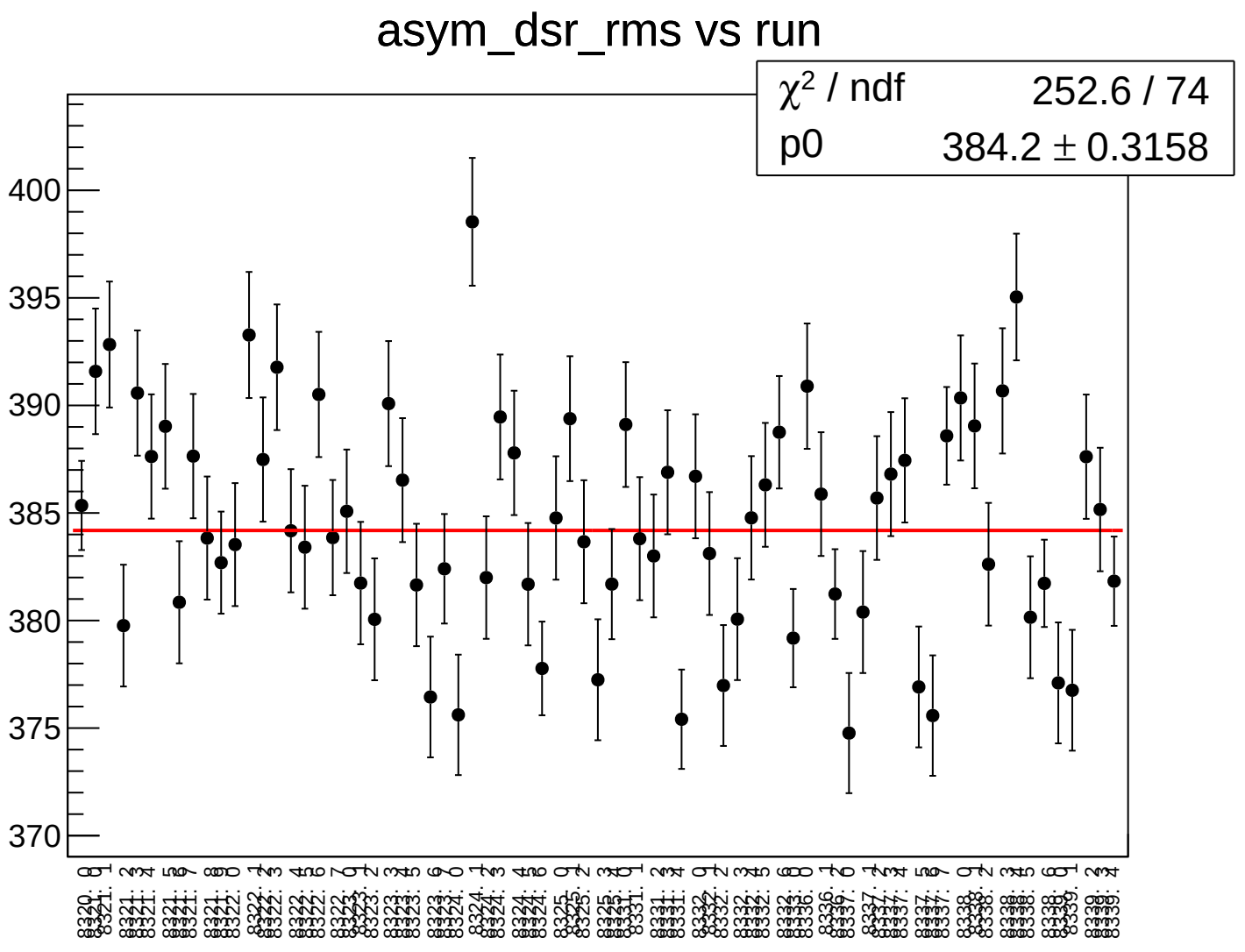

asym_dsl_mean vs run
χ² / ndf 52.4 / 74
p0 56.19 ± 330.4
pull
Entries 75
Mean −0.8398
Std Dev 0

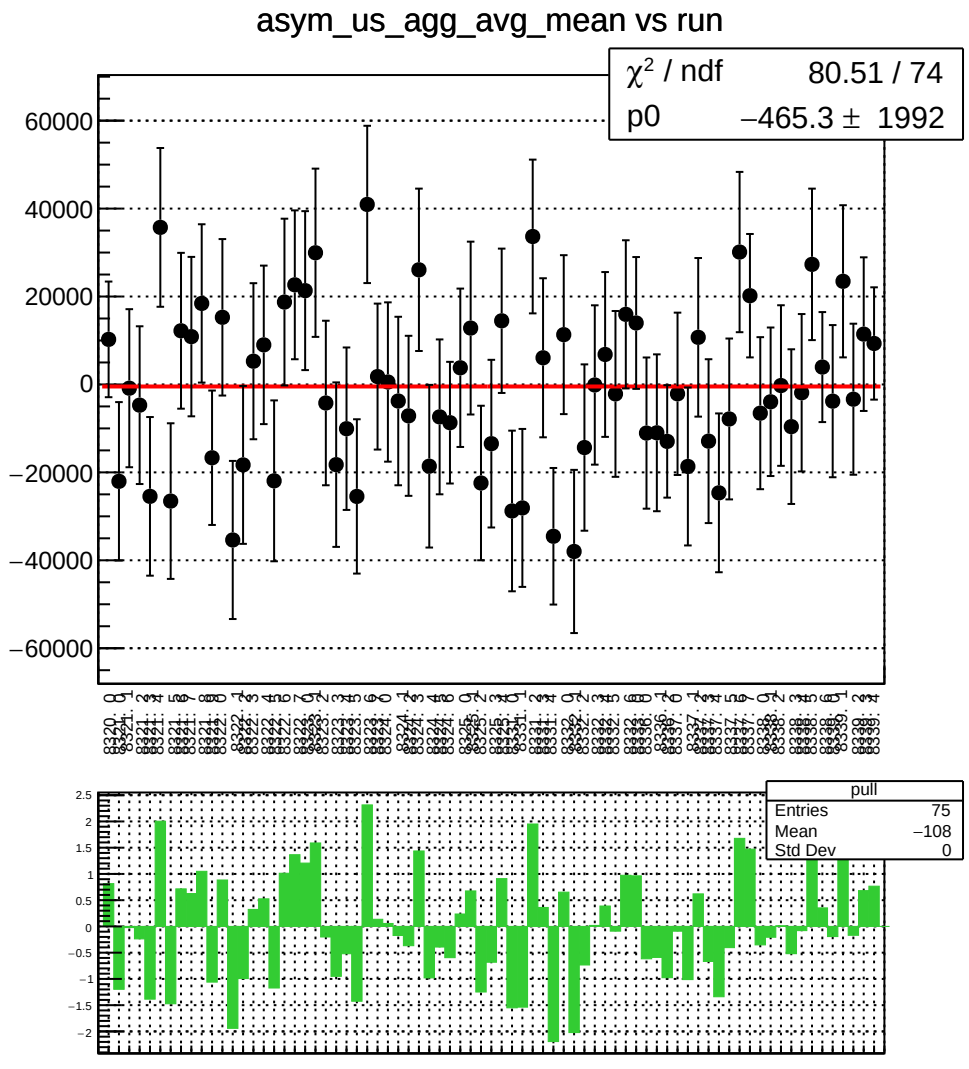

pull1D
Entries 75
Mean 0.002787
Std Dev 0.8359

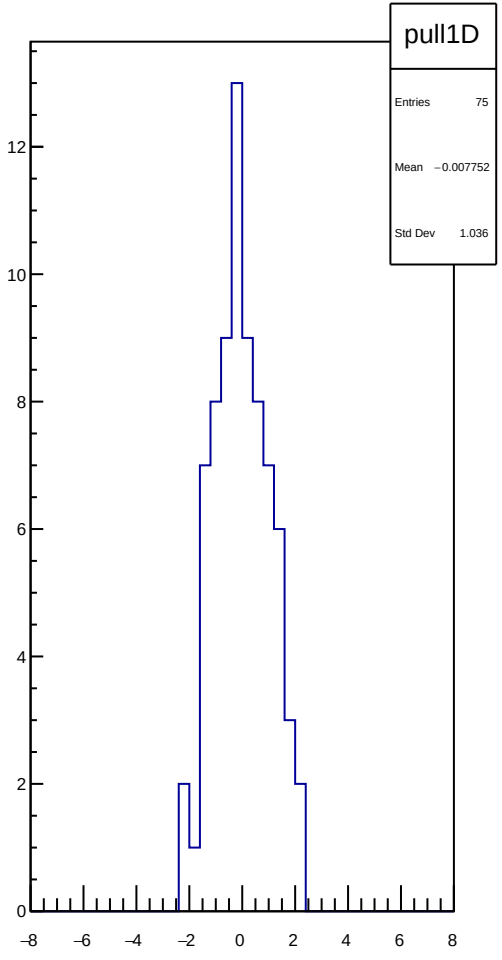

asym_dsl_rms vs run
χ^2 / ndf 69.91 / 74
p0 284.2 ± 0.2336
292
290
288
286
284
282
280
278

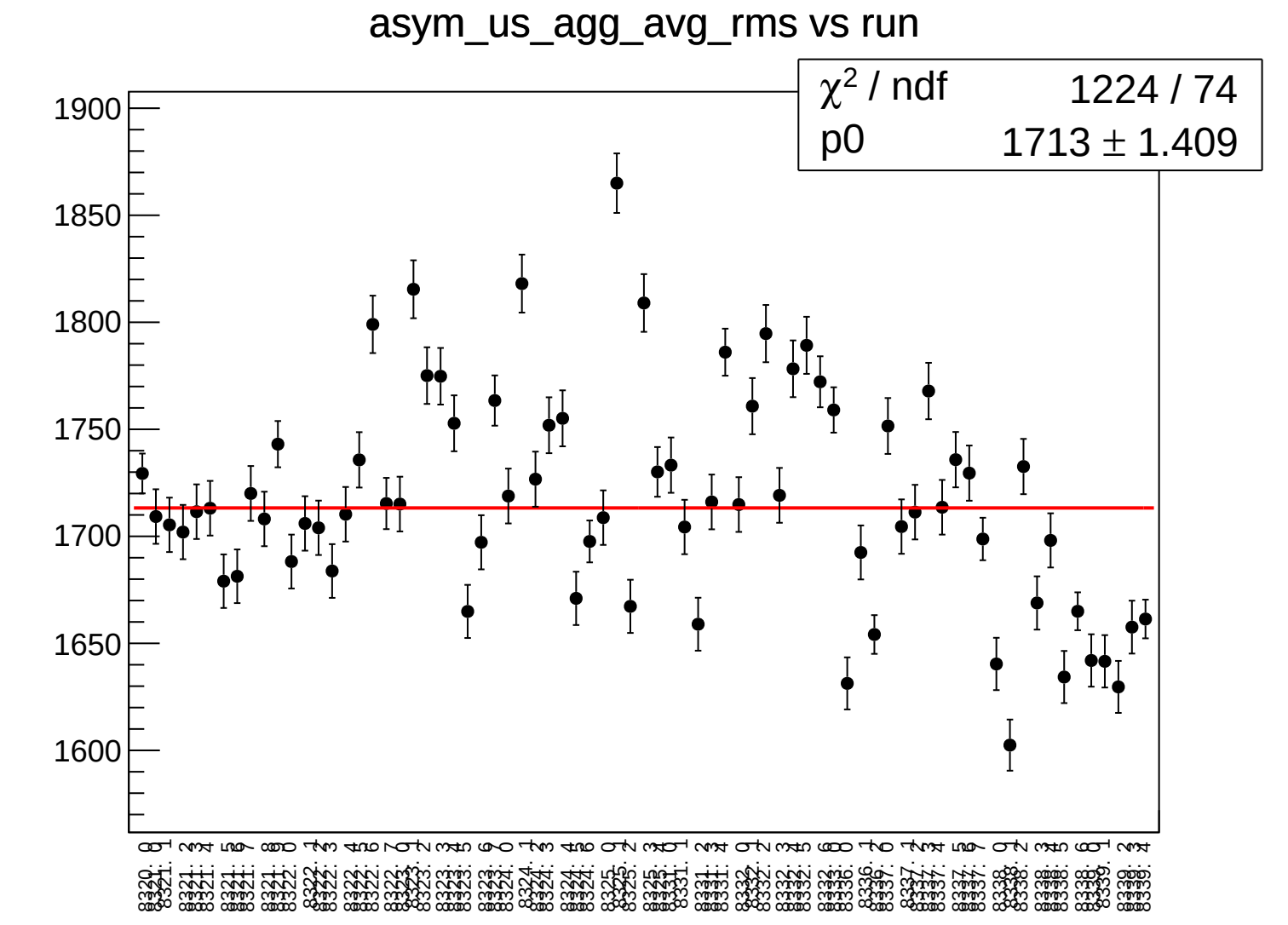

asym_dsr_mean vs run
χ² / ndf 81.49 / 74
p0 −1.646 ± 446.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean −628
Std Dev 0
2
1
0
−1
−2

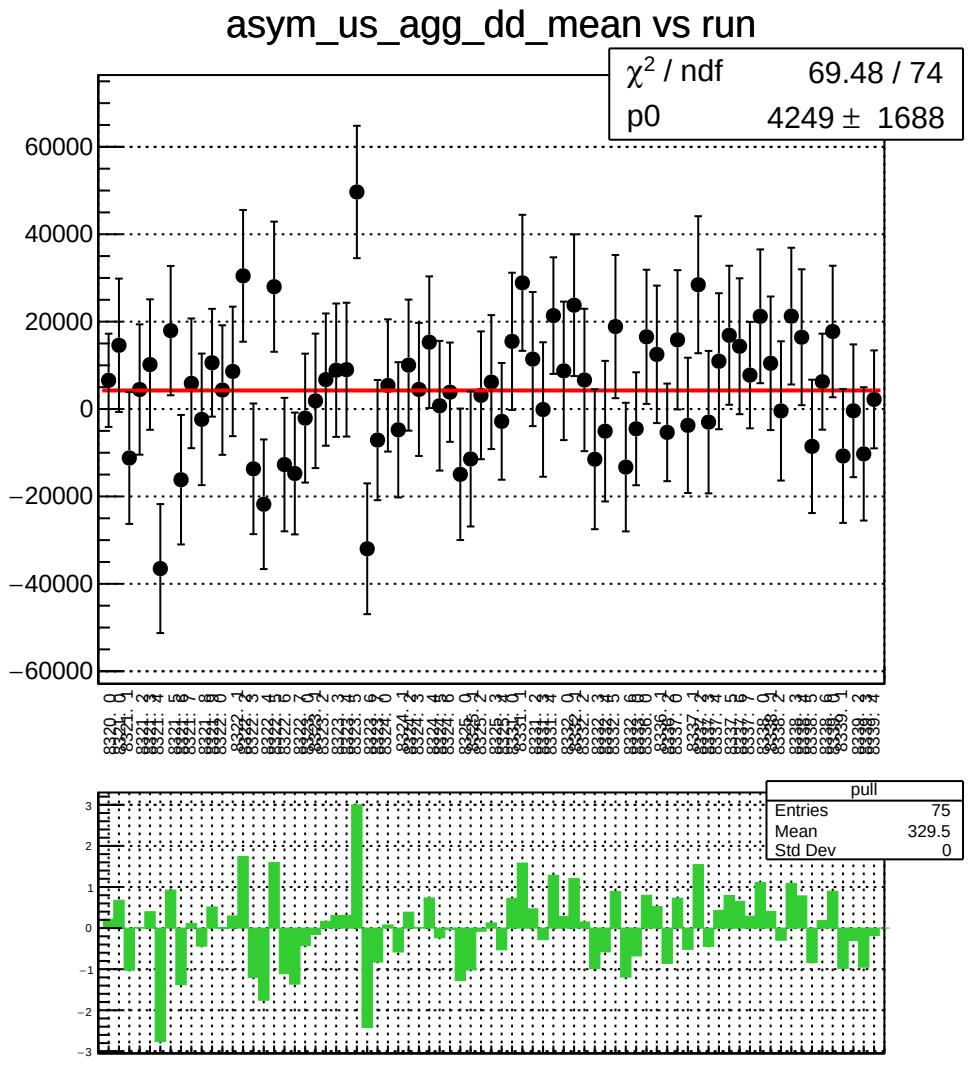

pull1D
Entries 75
Mean −0.003278
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

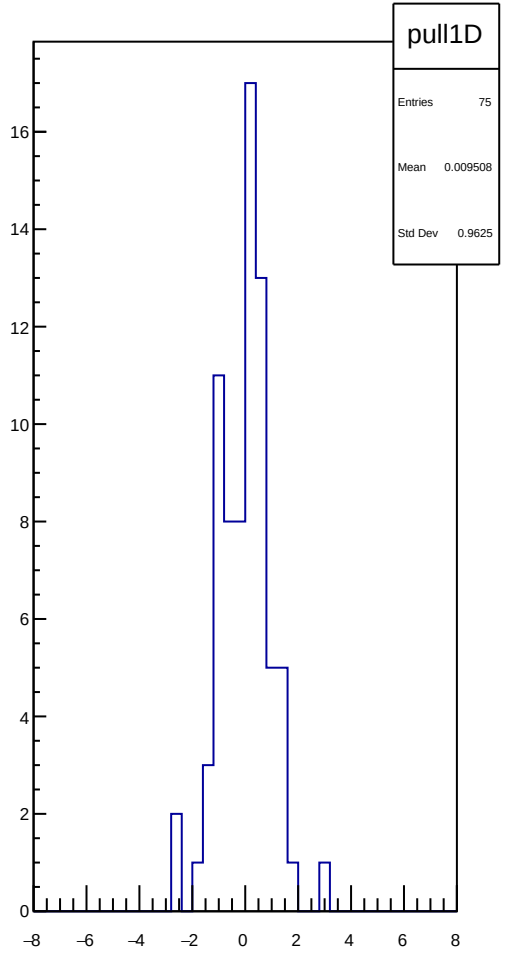

asym_dsr_rms vs run
χ² / ndf 252.6 / 74
p0 384.2 ± 0.3158
400
395
390
385
380
375
370

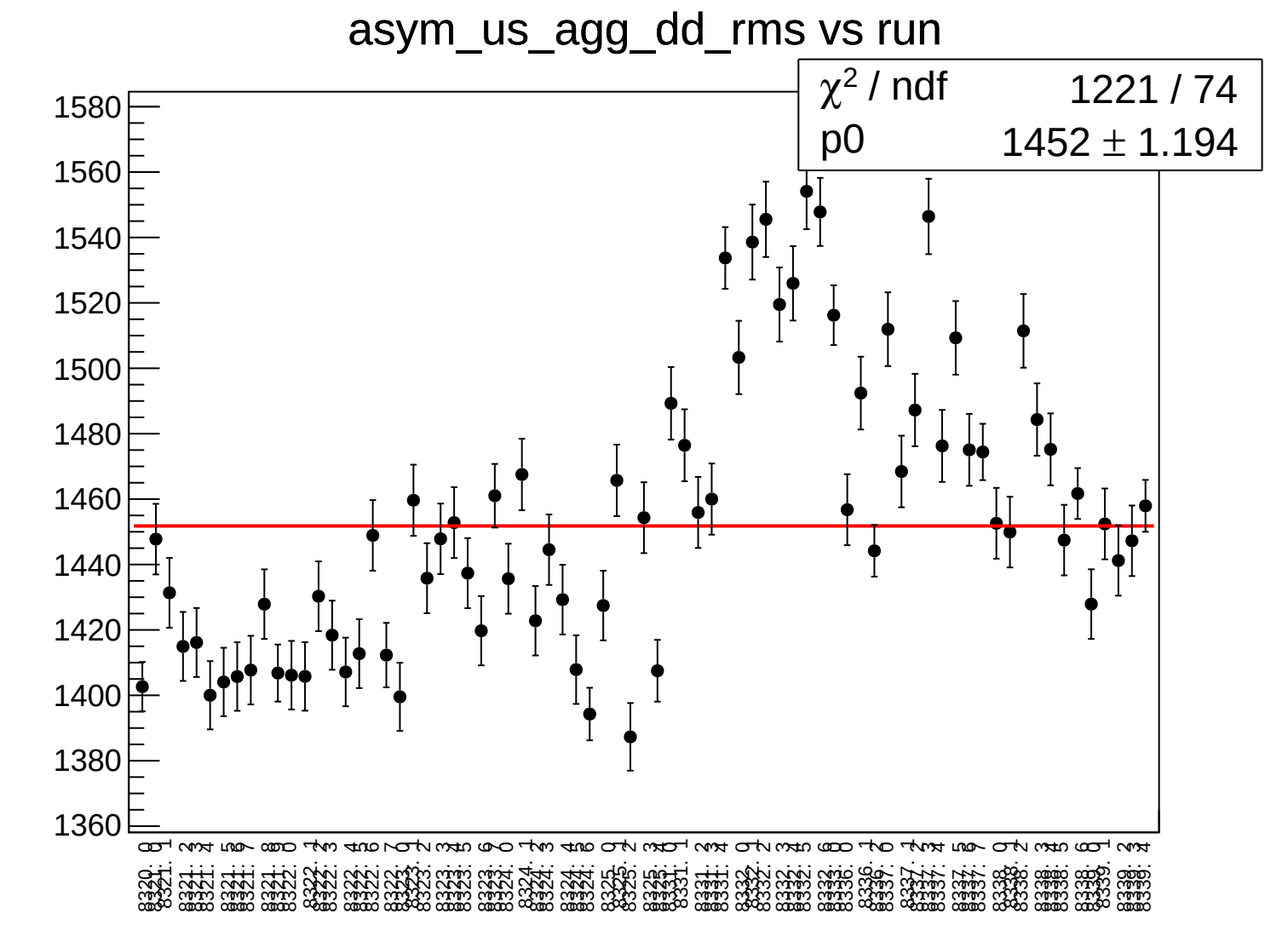

asym_us_agg_avg_mean vs run
χ² / ndf 80.51 / 74
p0 −465.3 ± 1992
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −108
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

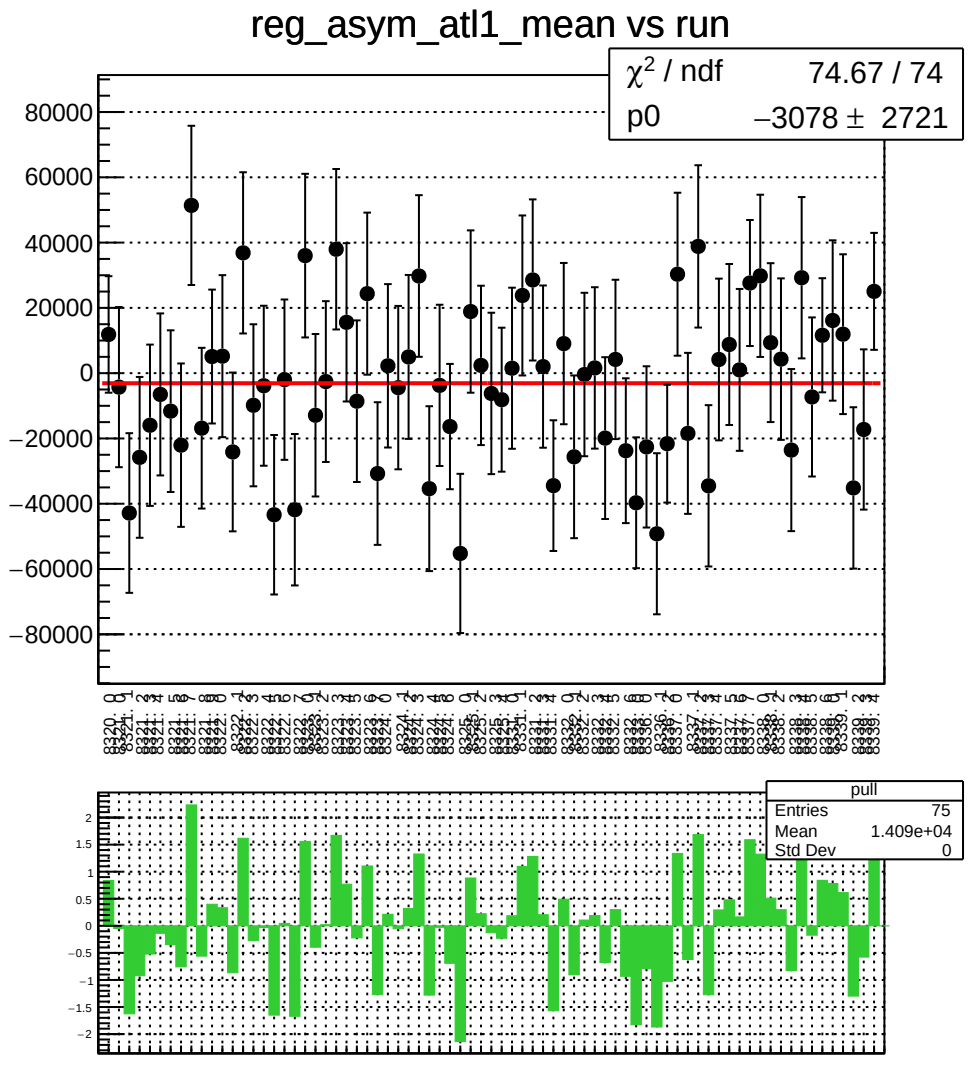

pull1D
Entries 75
Mean −0.007752
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

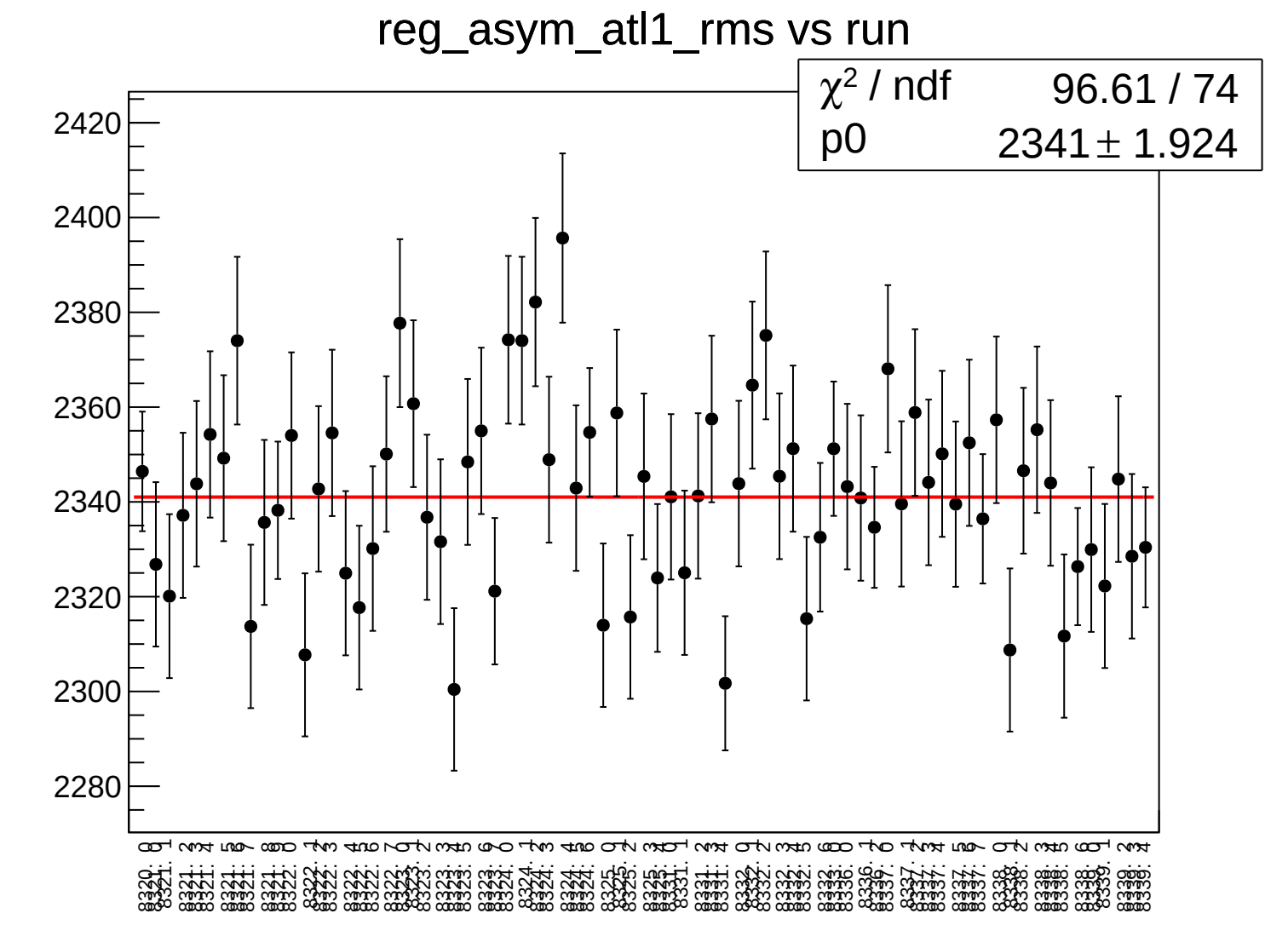

asym_us_agg_avg_rms vs run
χ² / ndf 1224 / 74
p0 1713 ± 1.409
1900
1850
1800
1750
1700
1650
1600

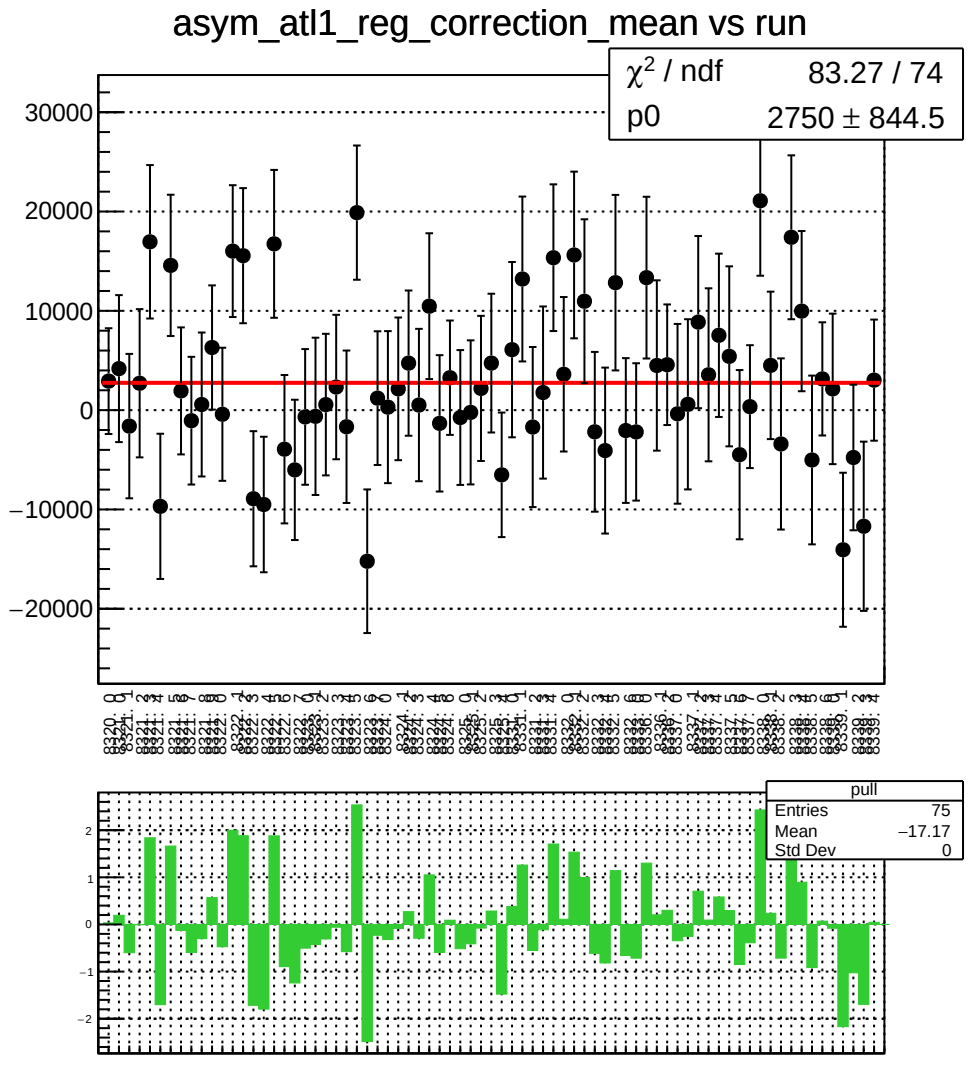

asym_us_agg_dd_mean vs run
χ² / ndf 69.48 / 74
p0 4249 ± 1688
pull
Entries 75
Mean 329.5
Std Dev 0

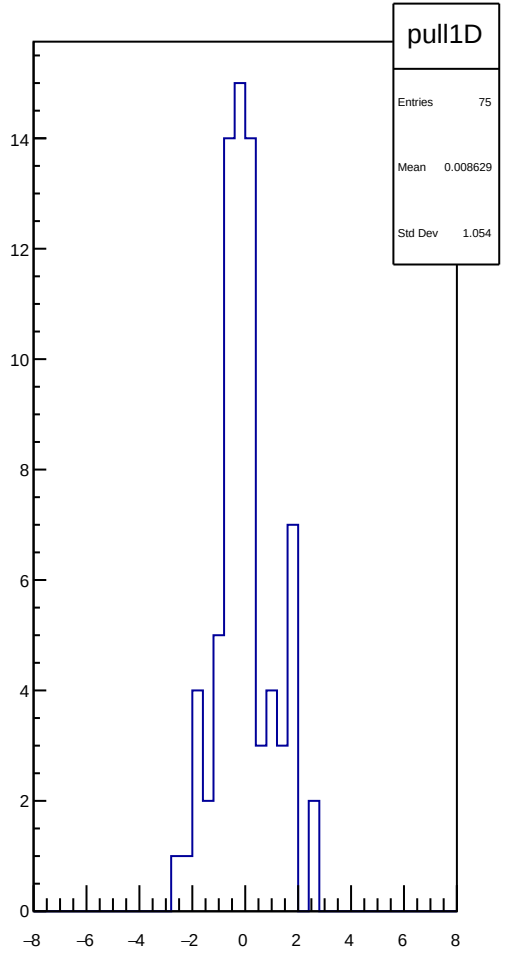

pull1D
Entries 75
Mean 0.009508
Std Dev 0.9625

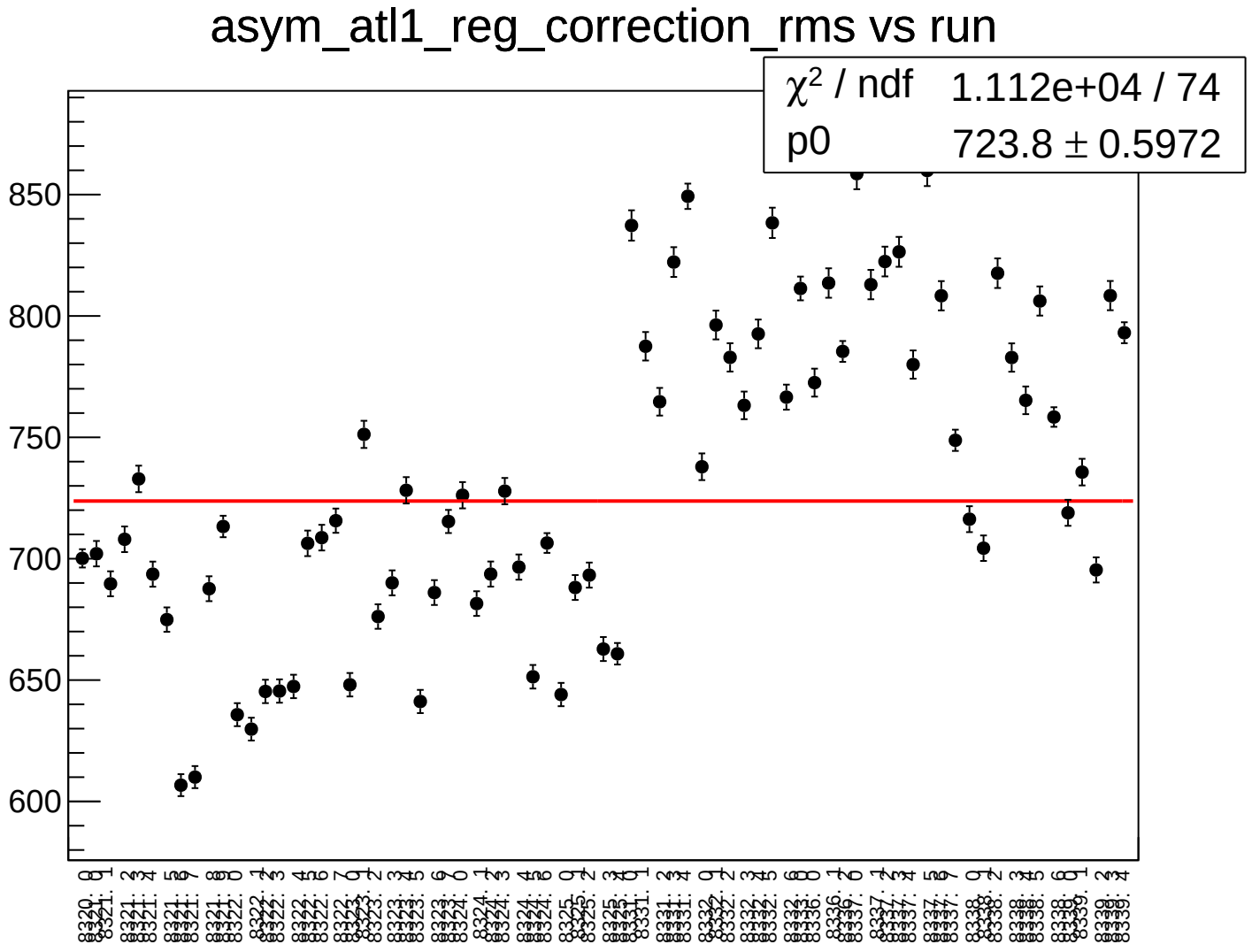

asym_us_agg_dd_rms vs run
χ² / ndf 1221 / 74
p0 1452 ± 1.194
1580
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380
1360

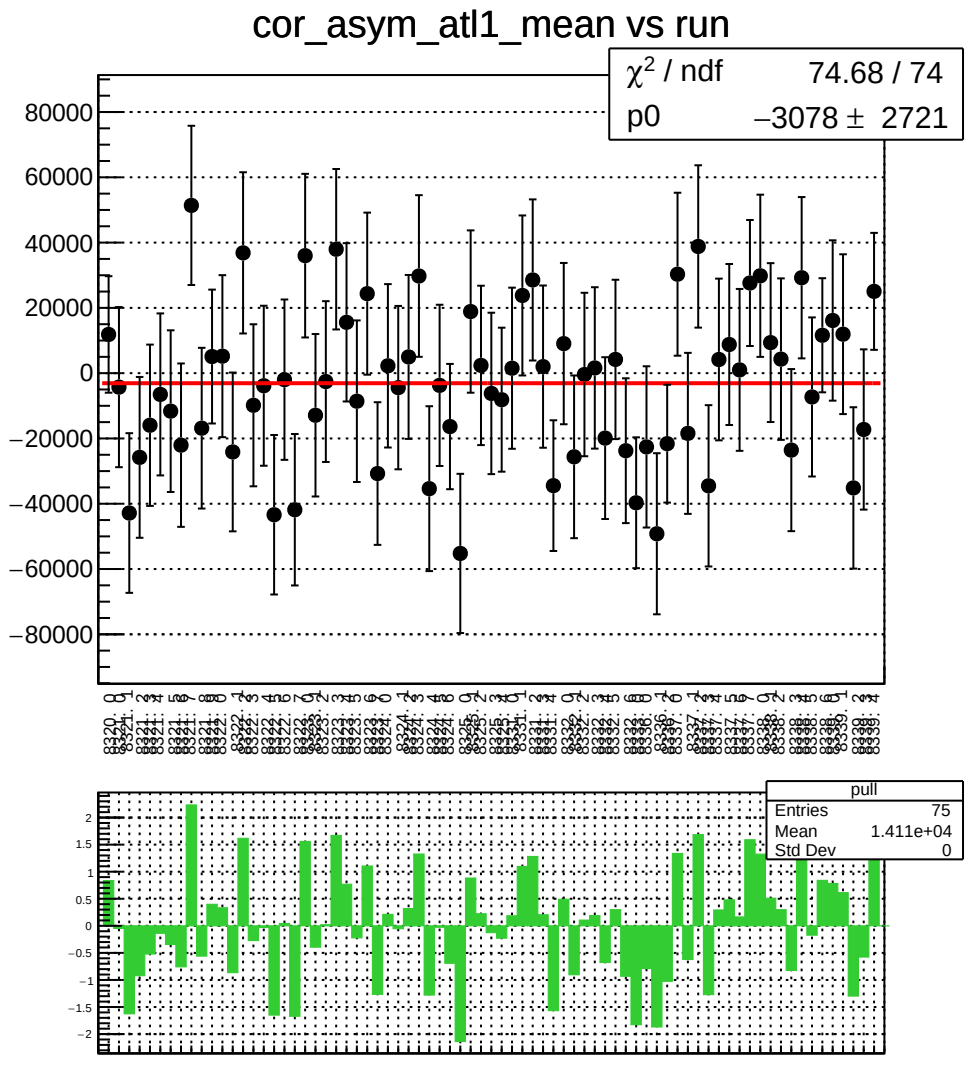

reg_asym_atl1_mean vs run
χ² / ndf 74.67 / 74
p0 −3078 ± 2721
pull
Entries 75
Mean 1.409e+04
Std Dev 0
pull1D
Entries 75
Mean 0.0001512
Std Dev 0.9978

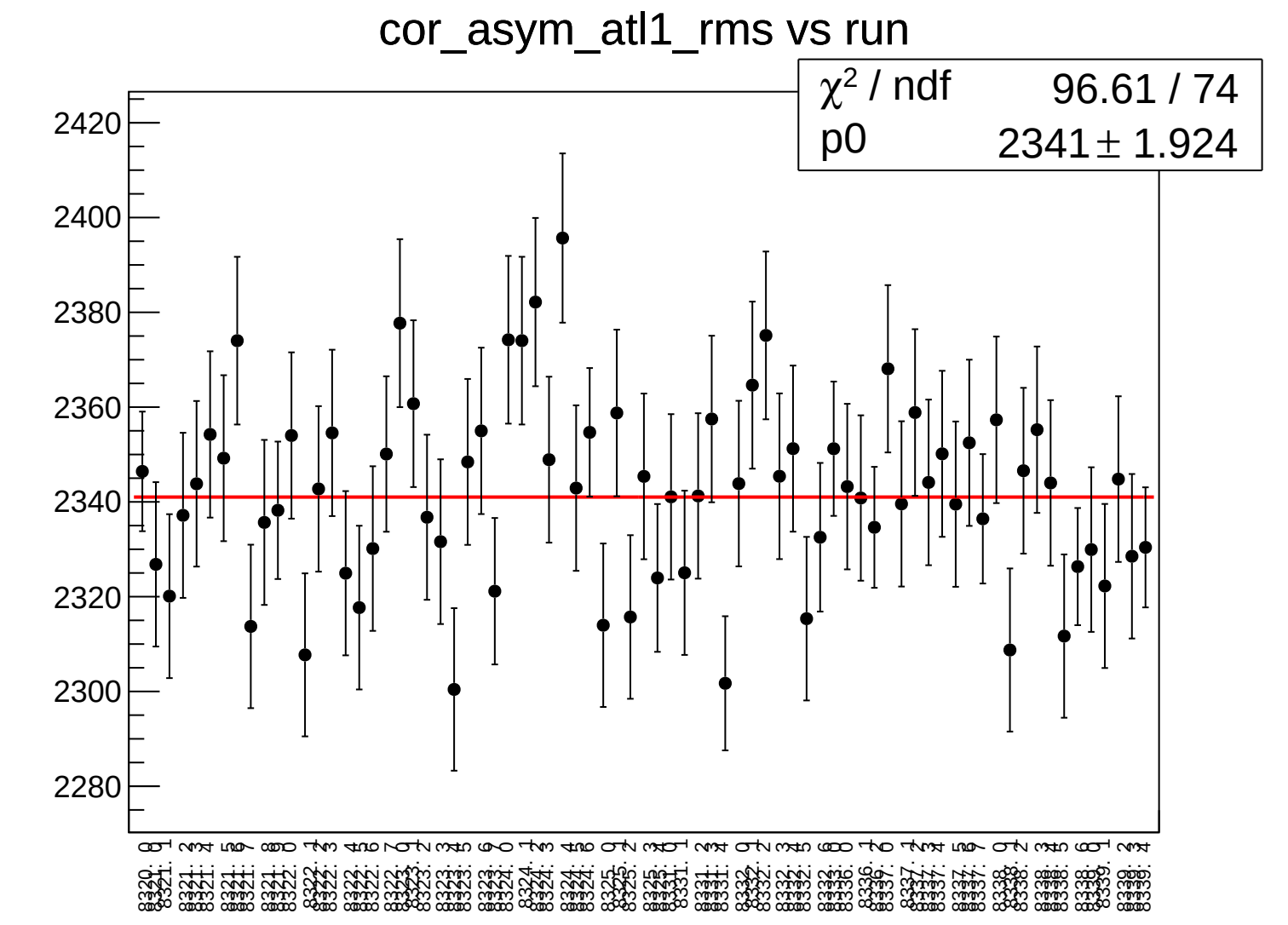

reg_asym_atl1_rms vs run
χ² / ndf 96.61 / 74
p0 2341 ± 1.924
2420
2400
2380
2360
2340
2320
2300
2280

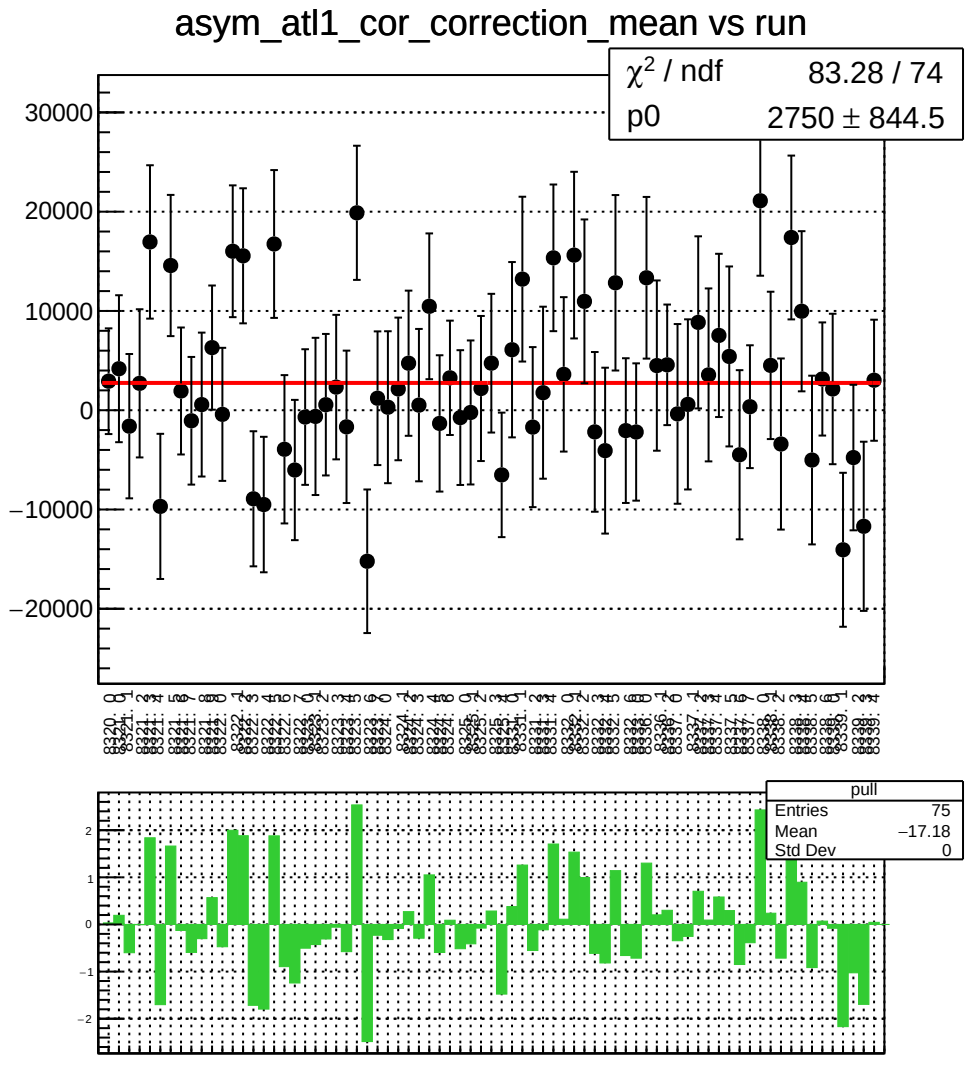

asym_atl1_reg_correction_mean vs run
χ² / ndf 83.27 / 74
p0 2750 ± 844.5
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −17.17
Std Dev 0
2
1
0
−1
−2

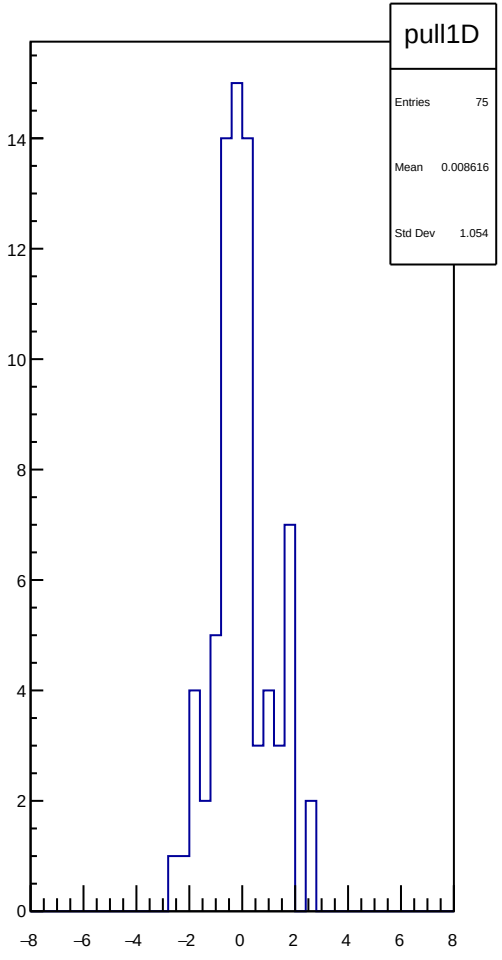

pull1D
Entries 75
Mean 0.008629
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_reg_correction_rms vs run
χ² / ndf 1.112e+04 / 74
p0 723.8 ± 0.5972
850
800
750
700
650
600


cor_asym_atl1_mean vs run
χ² / ndf 74.68 / 74
p0 −3078 ± 2721
pull
Entries 75
Mean 1.411e+04
Std Dev 0
pull1D
Entries 75
Mean 0.000151
Std Dev 0.9978


cor_asym_atl1_rms vs run
χ² / ndf 96.61 / 74
p0 2341 ± 1.924
2420
2400
2380
2360
2340
2320
2300
2280


asym_atl1_cor_correction_mean vs run
χ² / ndf 83.28 / 74
p0 2750 ± 844.5
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −17.18
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean 0.008616
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
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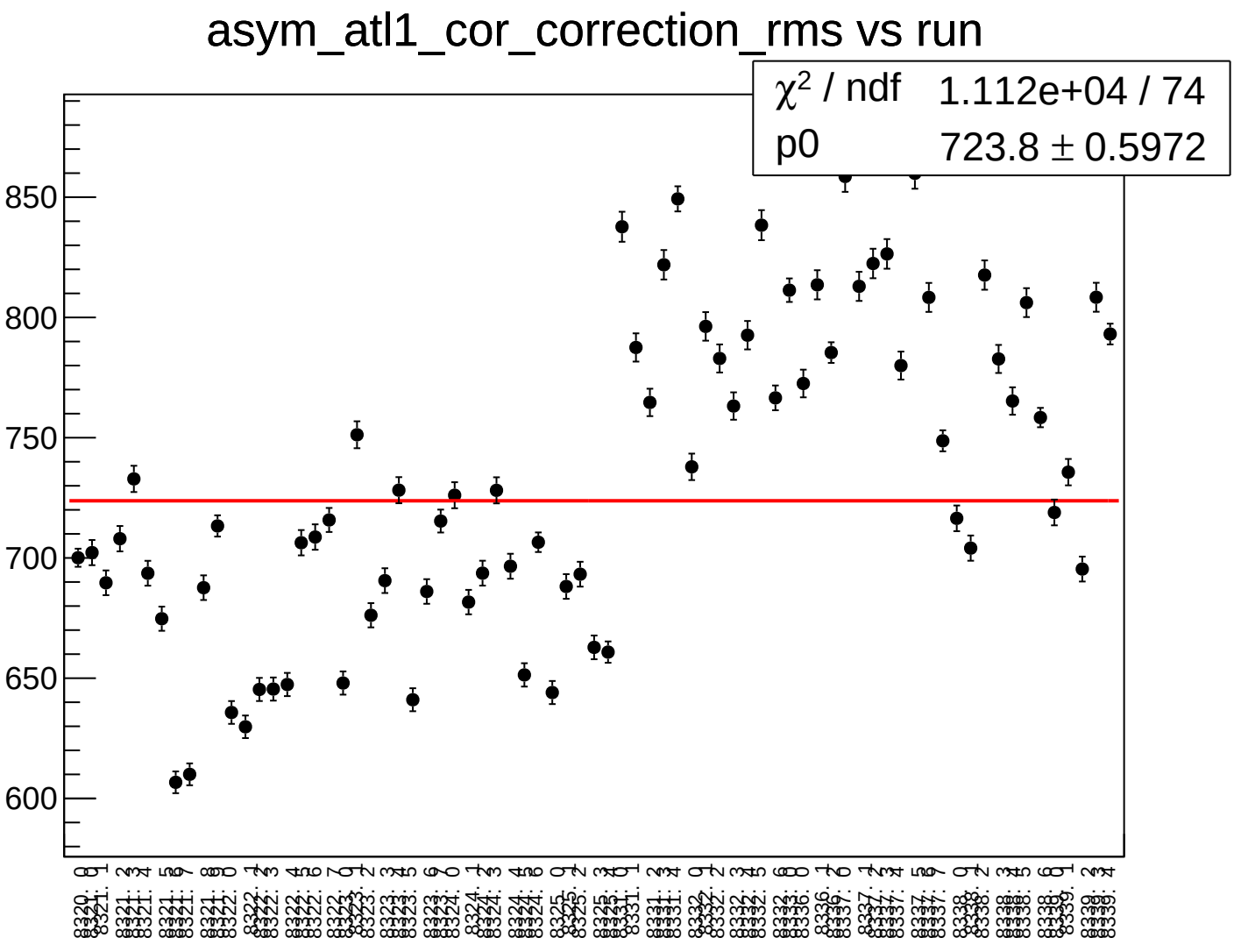
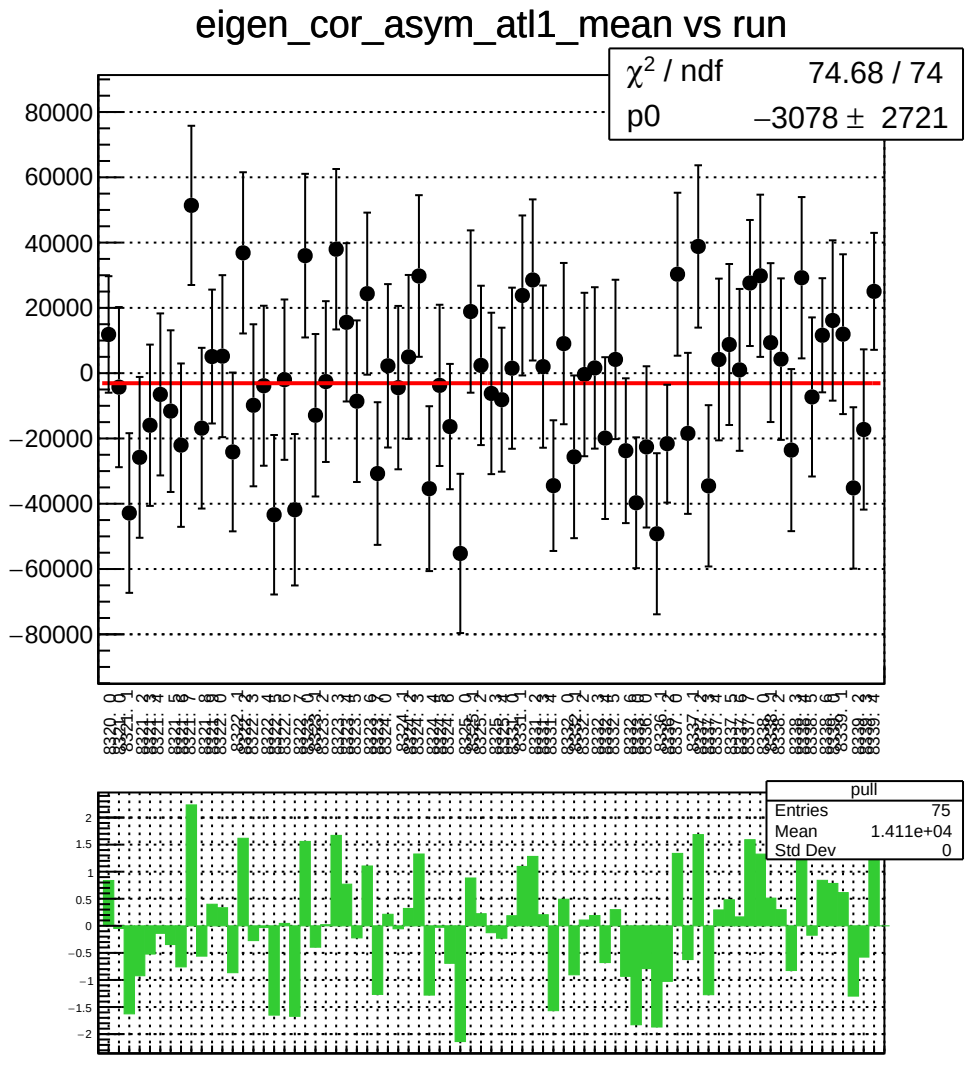
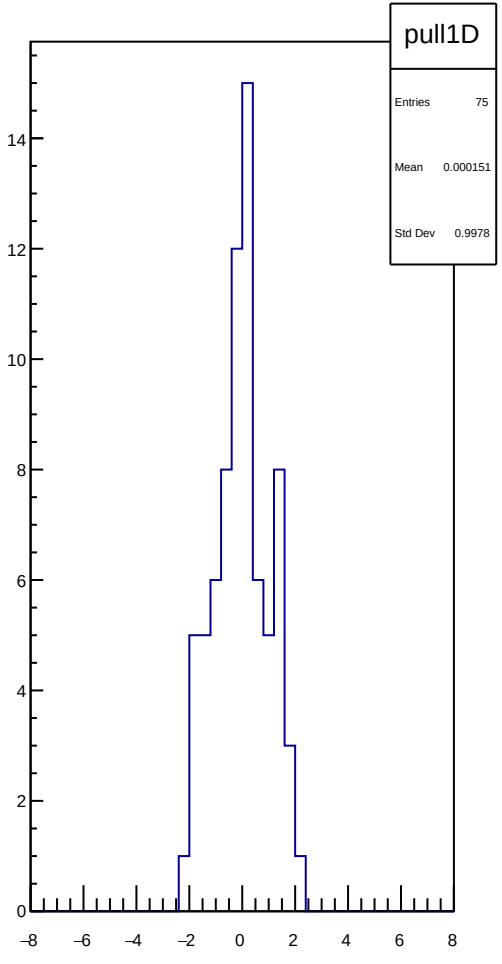
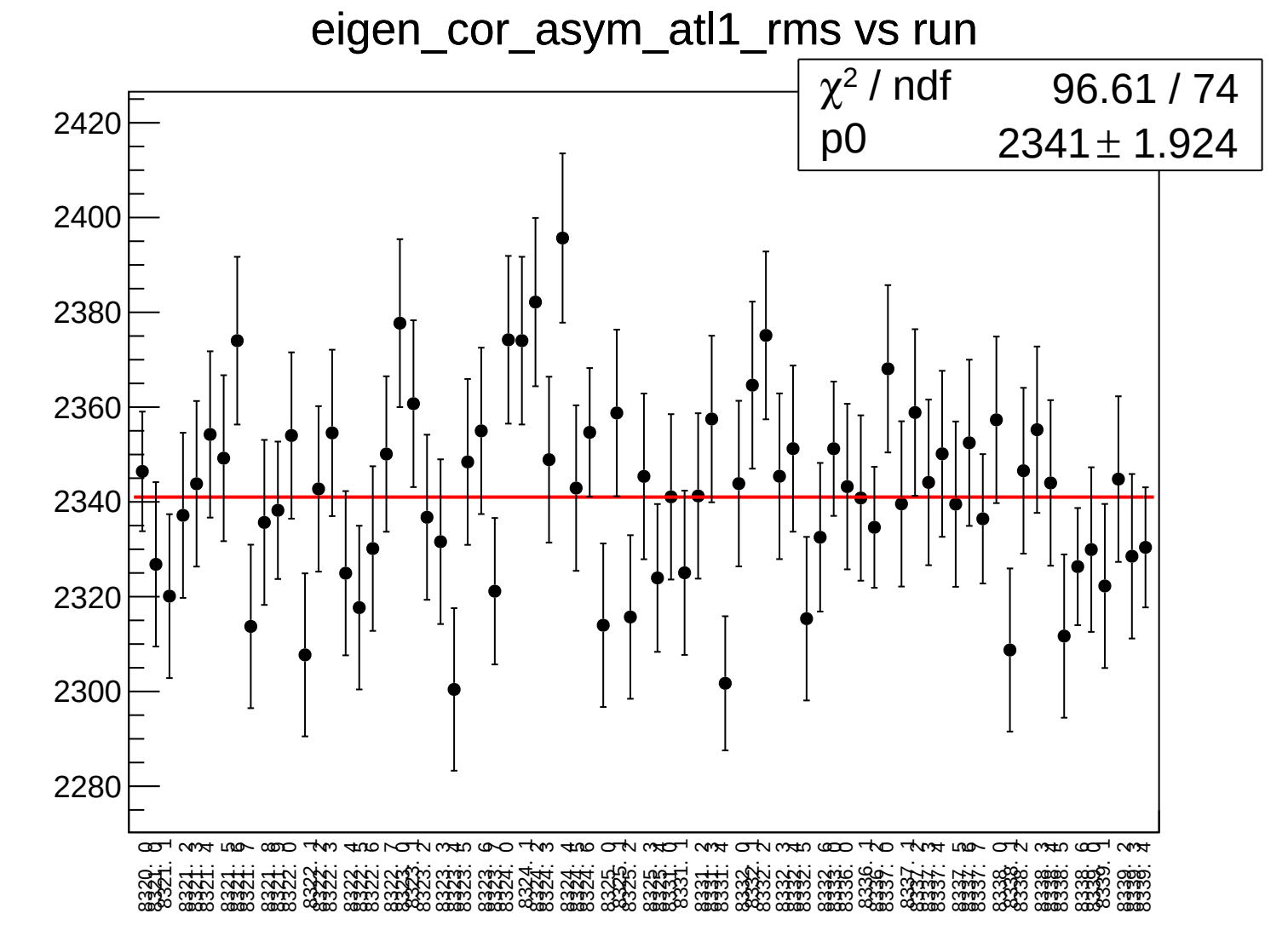
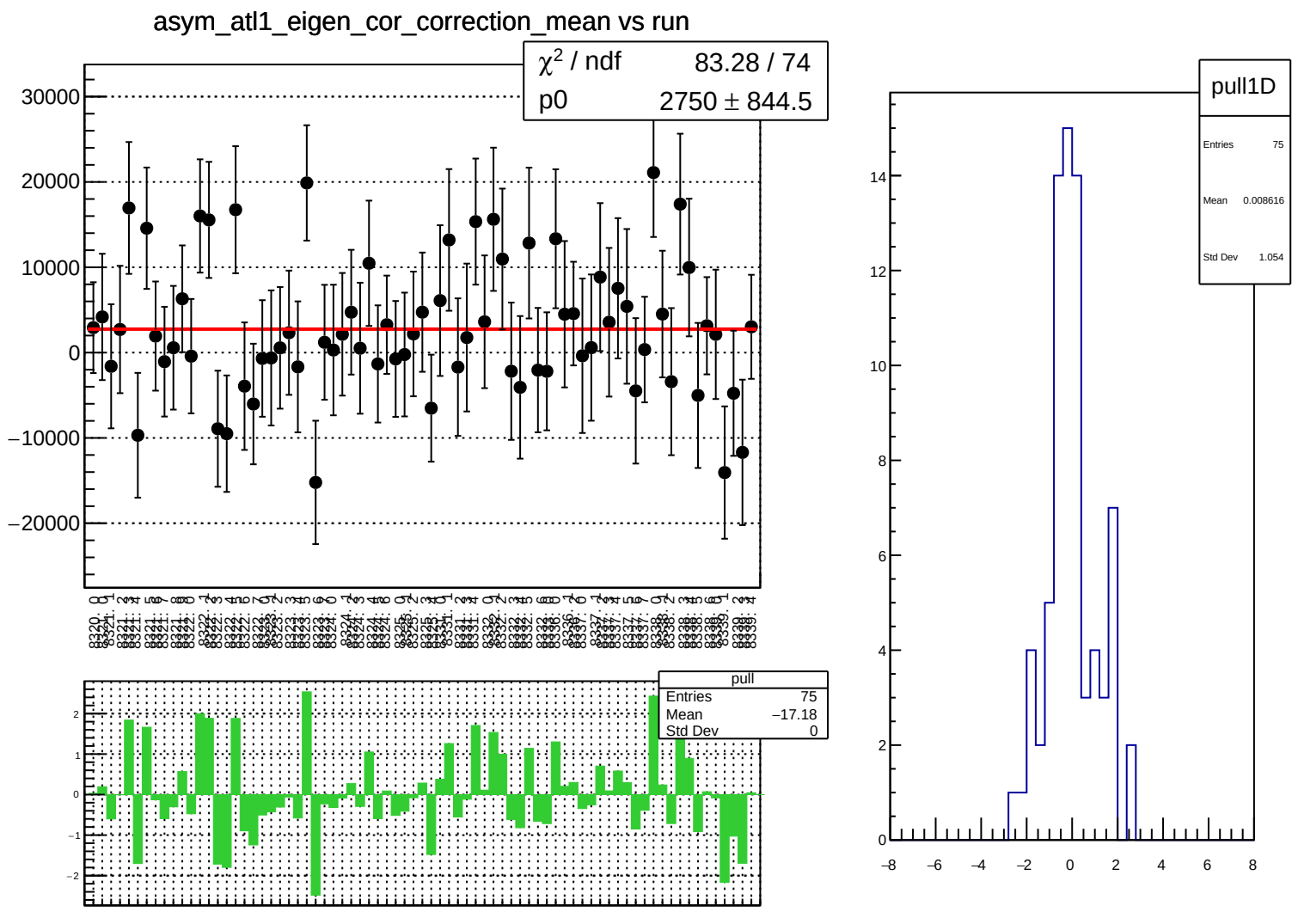
0
2
4
6
8

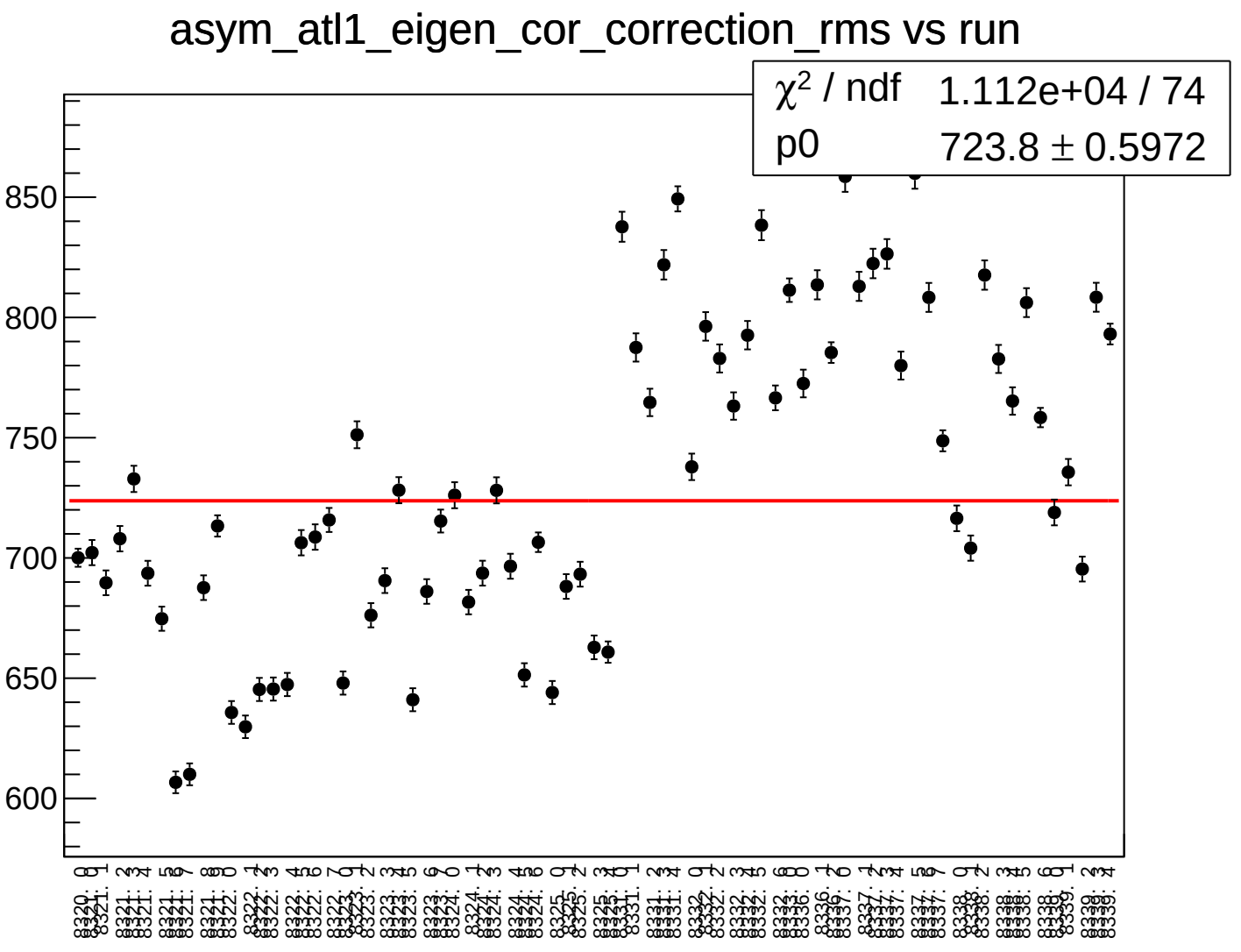

asym_atl1_cor_correction_rms vs run
χ² / ndf 1.112e+04 / 74
p0 723.8 ± 0.5972
850
800
750
700
650
600

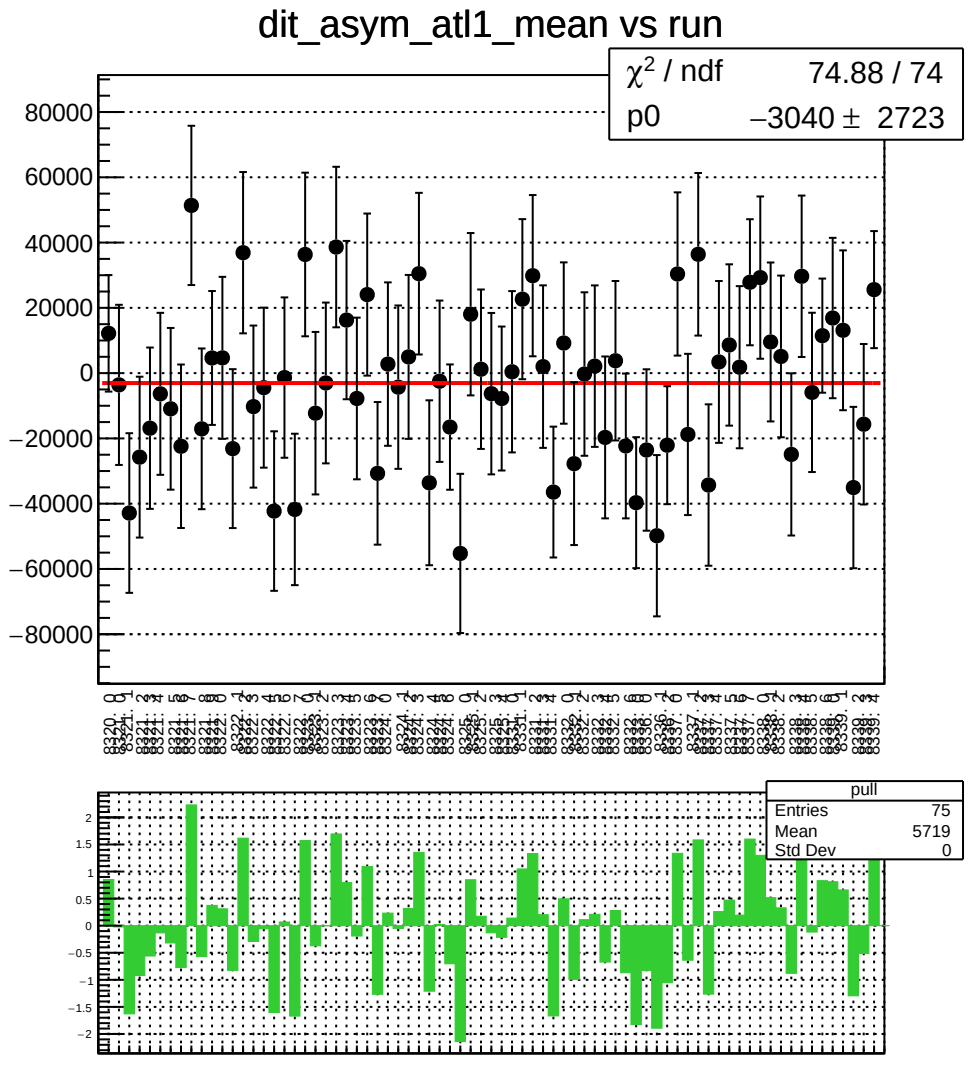

eigen_cor_asym_atl1_mean vs run
χ² / ndf 74.68 / 74
p0 −3078 ± 2721
pull
Entries 75
Mean 1.411e+04
Std Dev 0

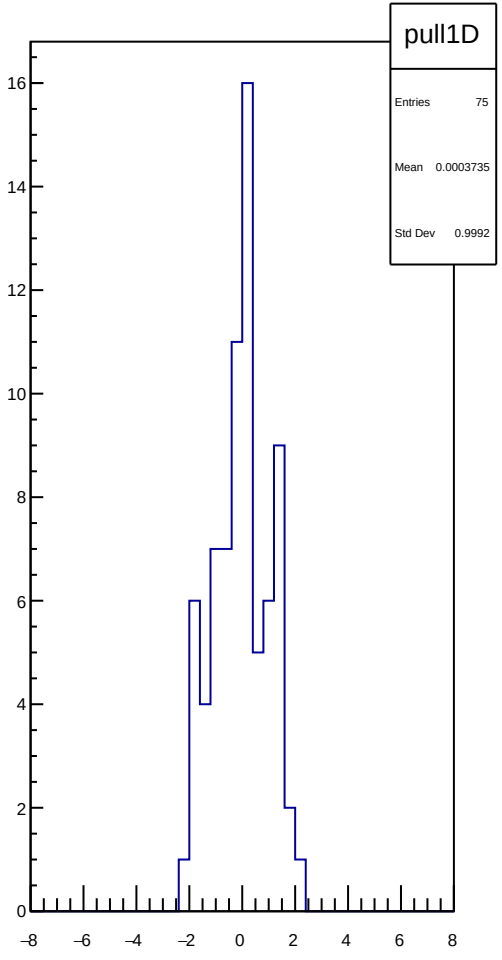

pull1D
Entries 75
Mean 0.000151
Std Dev 0.9978

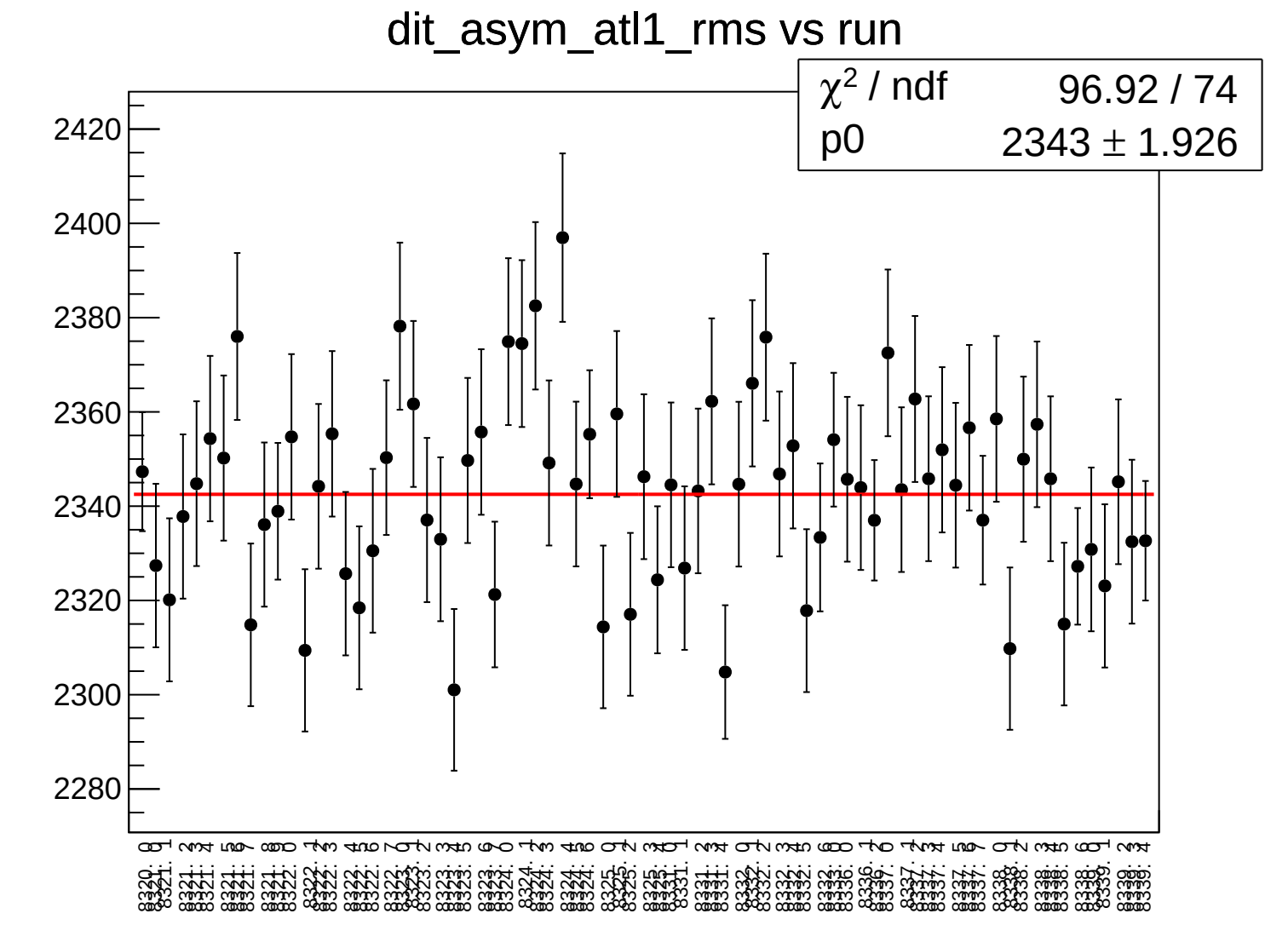

eigen_cor_asym_atl1_rms vs run
χ² / ndf 96.61 / 74
p0 2341 ± 1.924
2420
2400
2380
2360
2340
2320
2300
2280

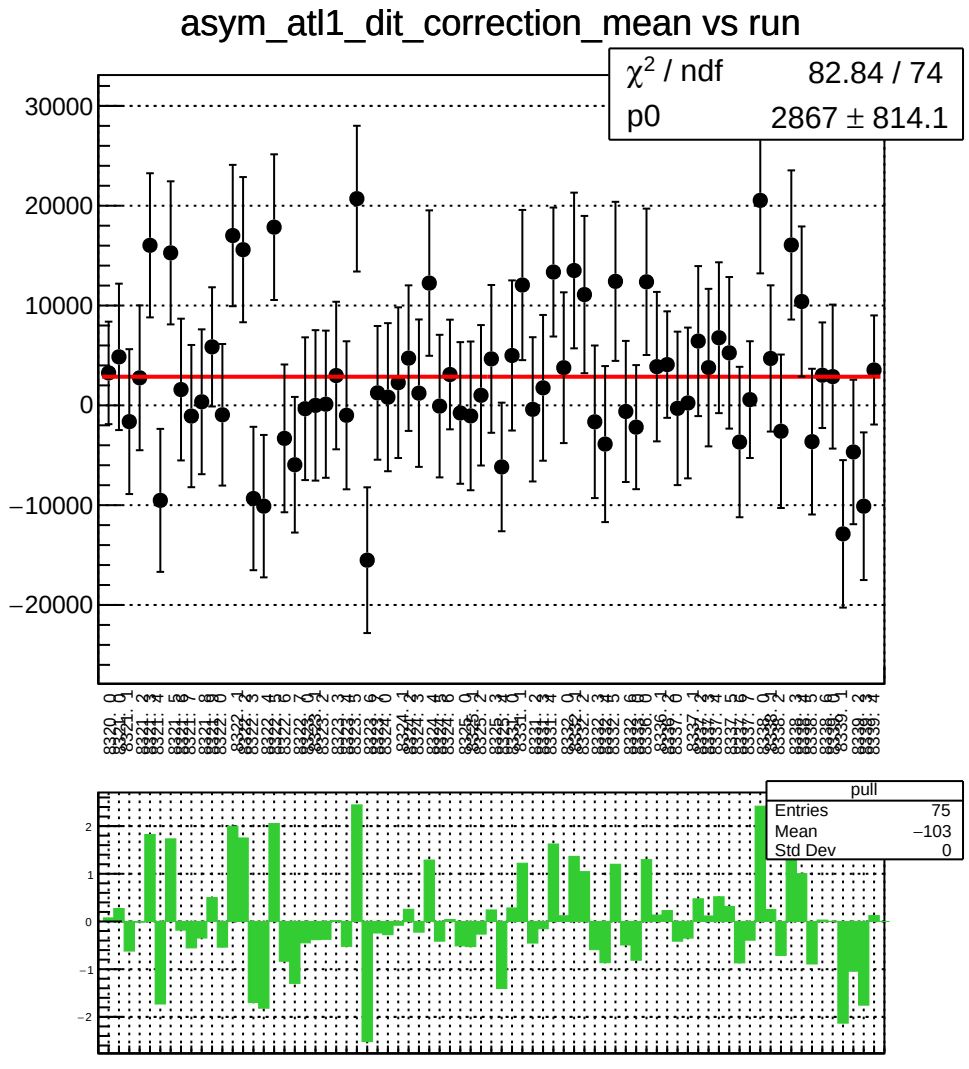

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 83.28 / 74
p0 2750 ± 844.5
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −17.18
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.008616
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

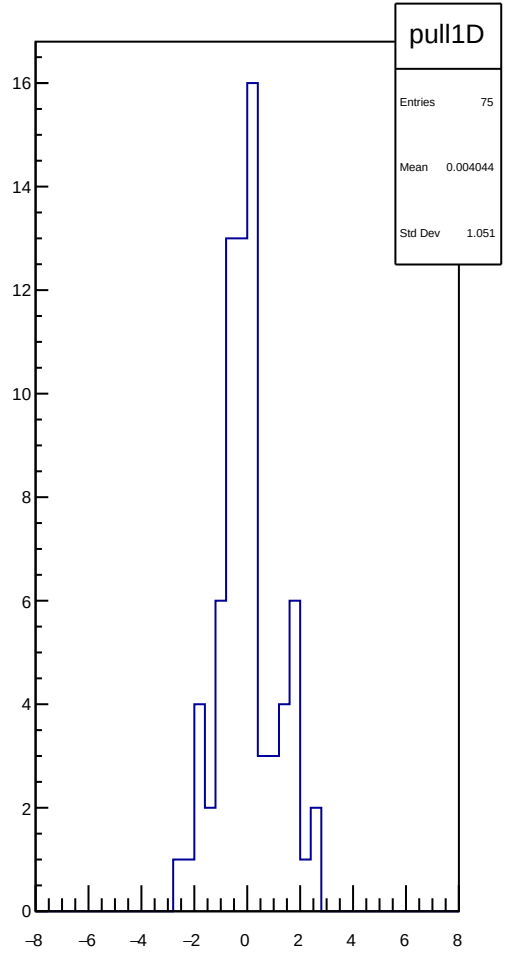

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 1.112e+04 / 74
p0 723.8 ± 0.5972
850
800
750
700
650
600

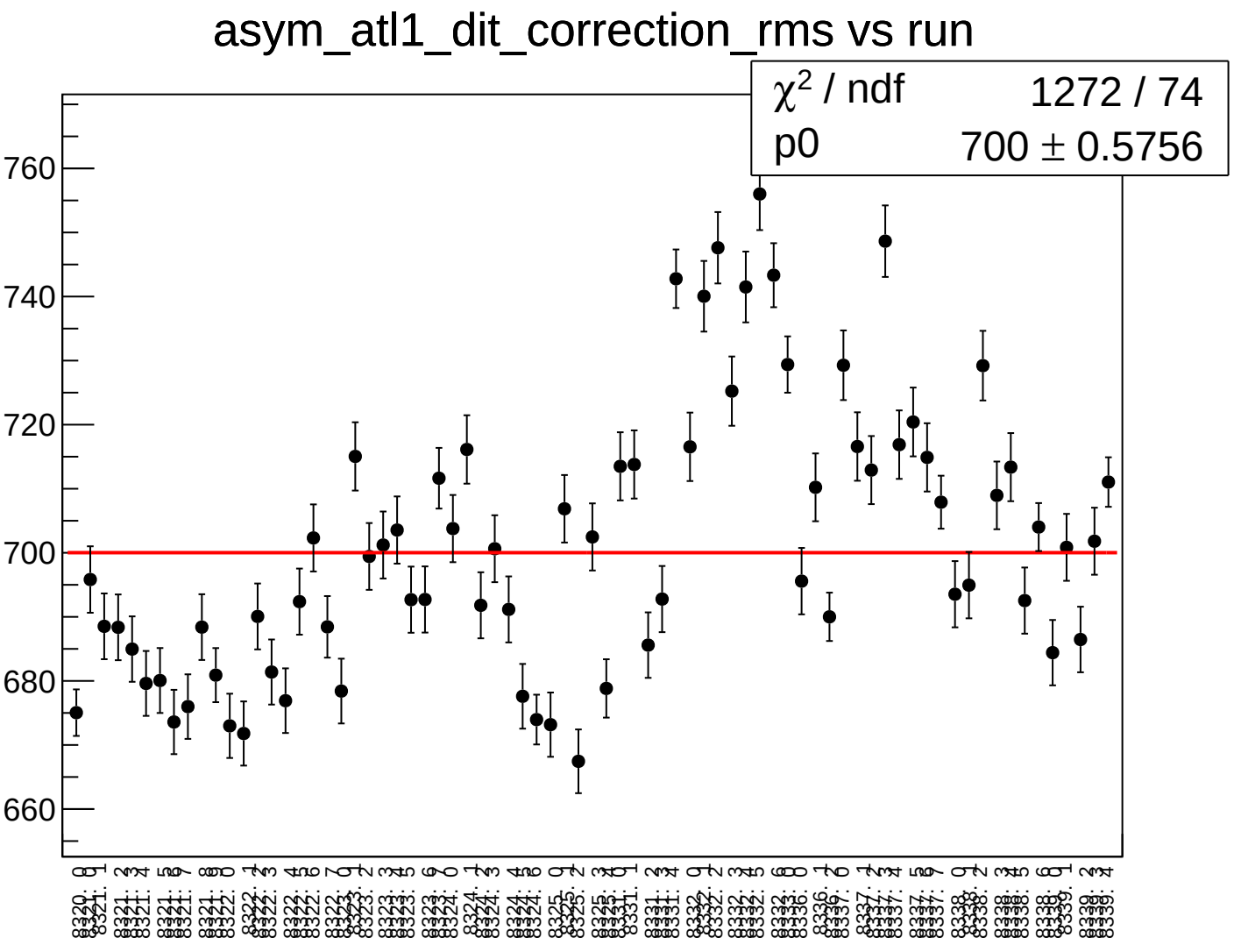

dit_asym_atl1_mean vs run
χ² / ndf 74.88 / 74
p0 −3040 ± 2723
pull
Entries 75
Mean 5719
Std Dev 0

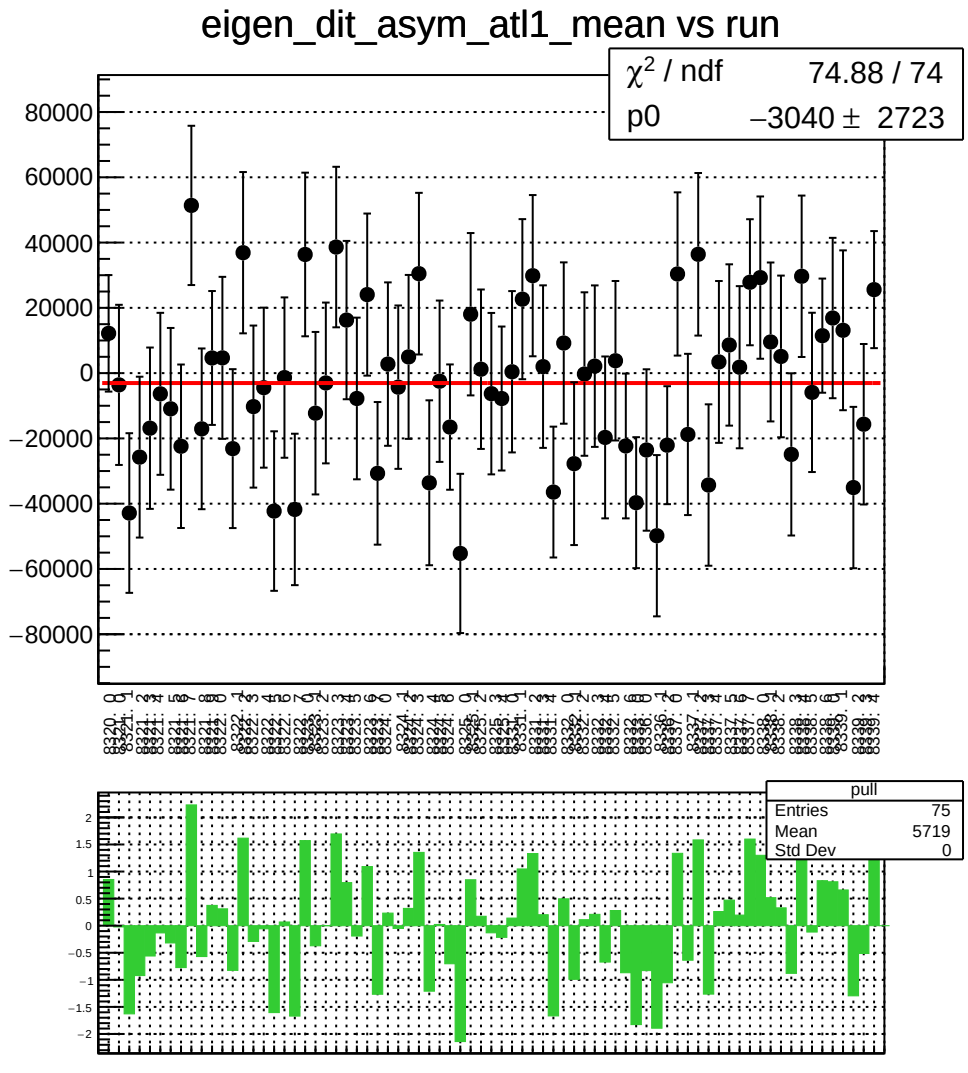

pull1D
Entries 75
Mean 0.0003735
Std Dev 0.9992

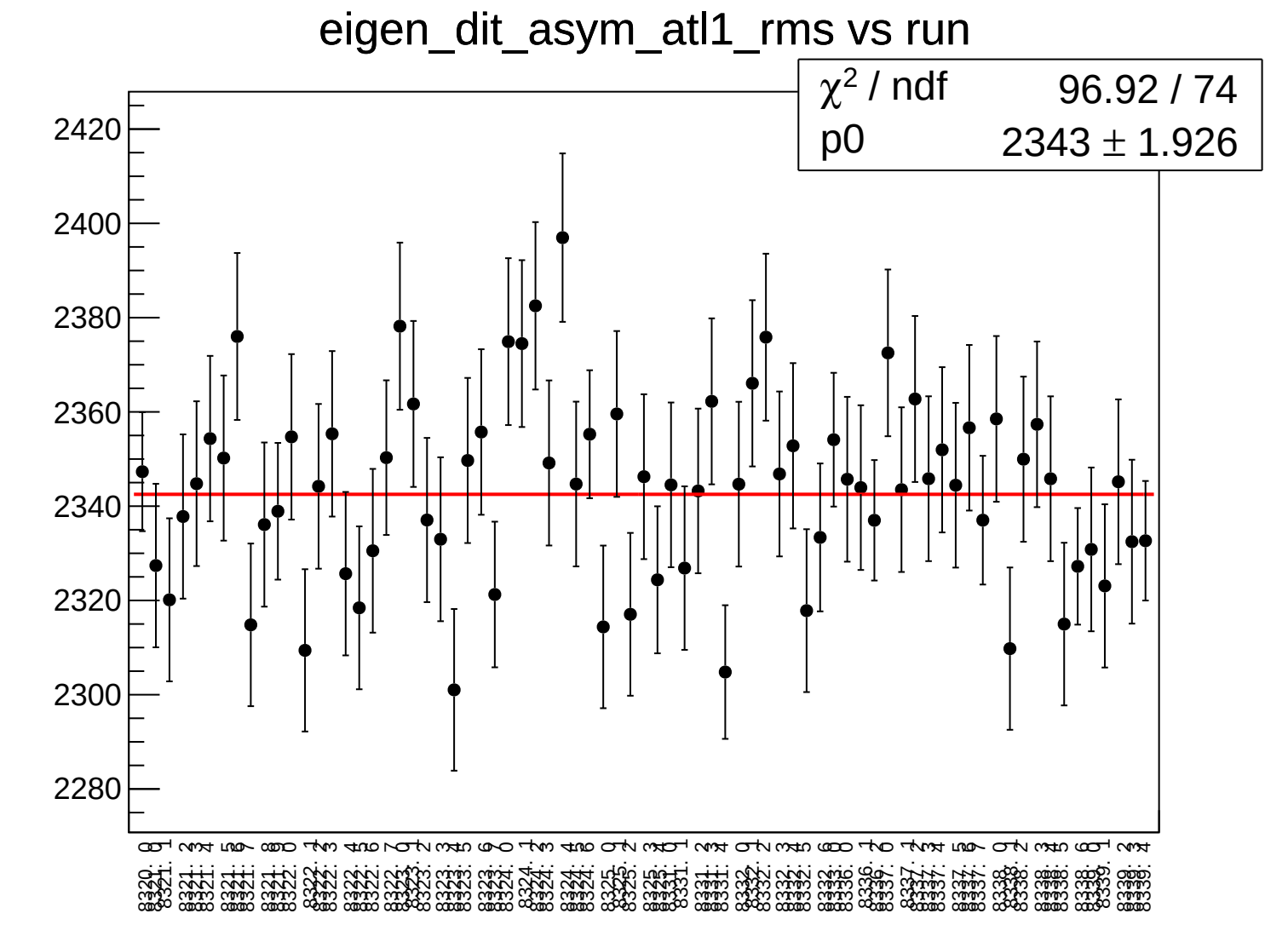

dit_asym_atl1_rms vs run
χ² / ndf 96.92 / 74
p0 2343 ± 1.926
2420
2400
2380
2360
2340
2320
2300
2280

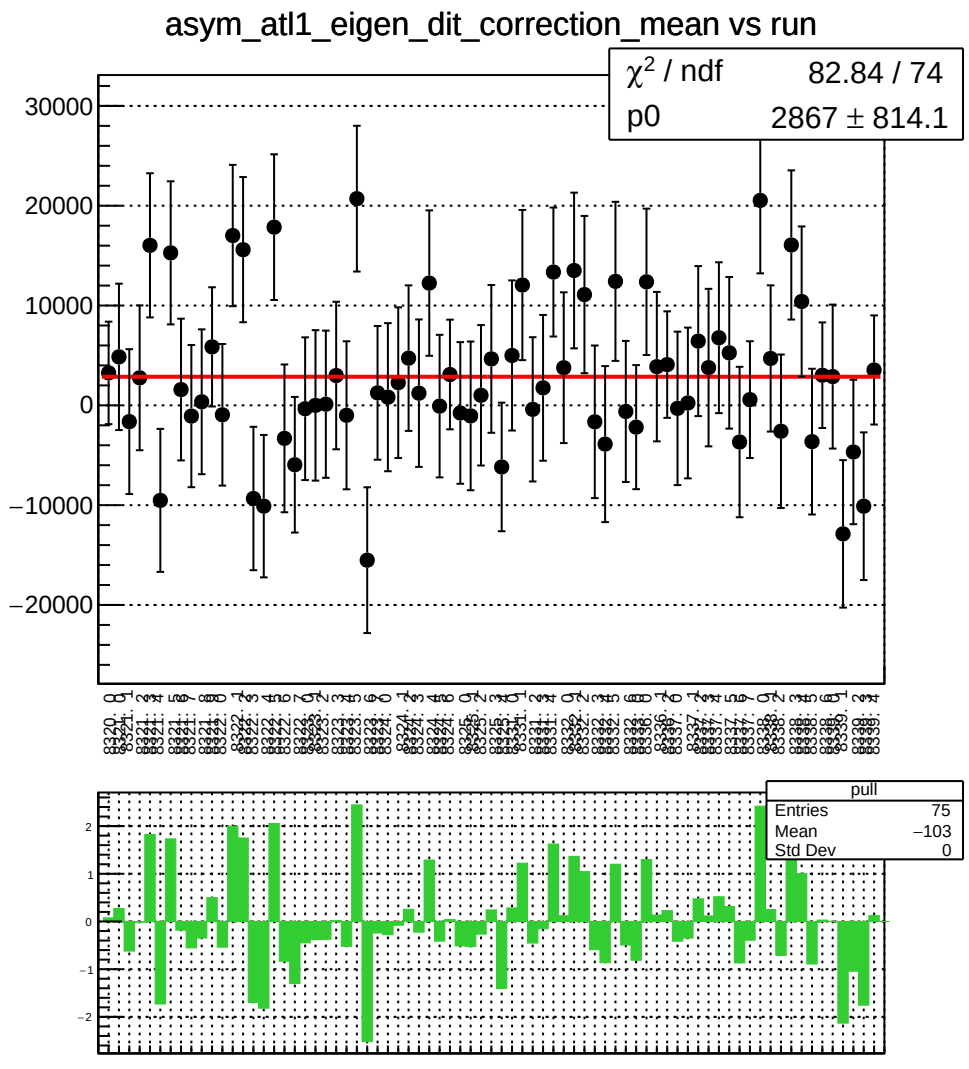

asym_atl1_dit_correction_mean vs run
χ² / ndf 82.84 / 74
p0 2867 ± 814.1
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −103
Std Dev 0
2
1
0
−1
−2

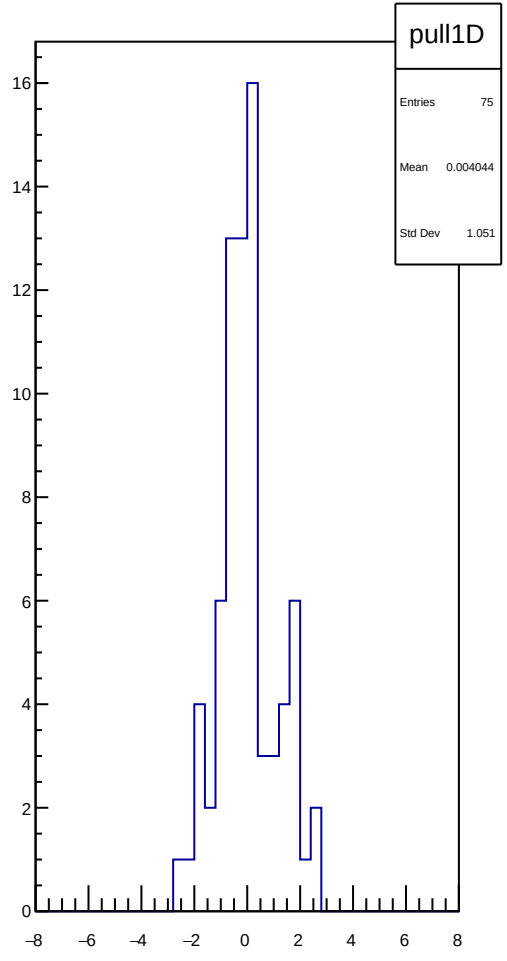

pull1D
Entries 75
Mean 0.004044
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

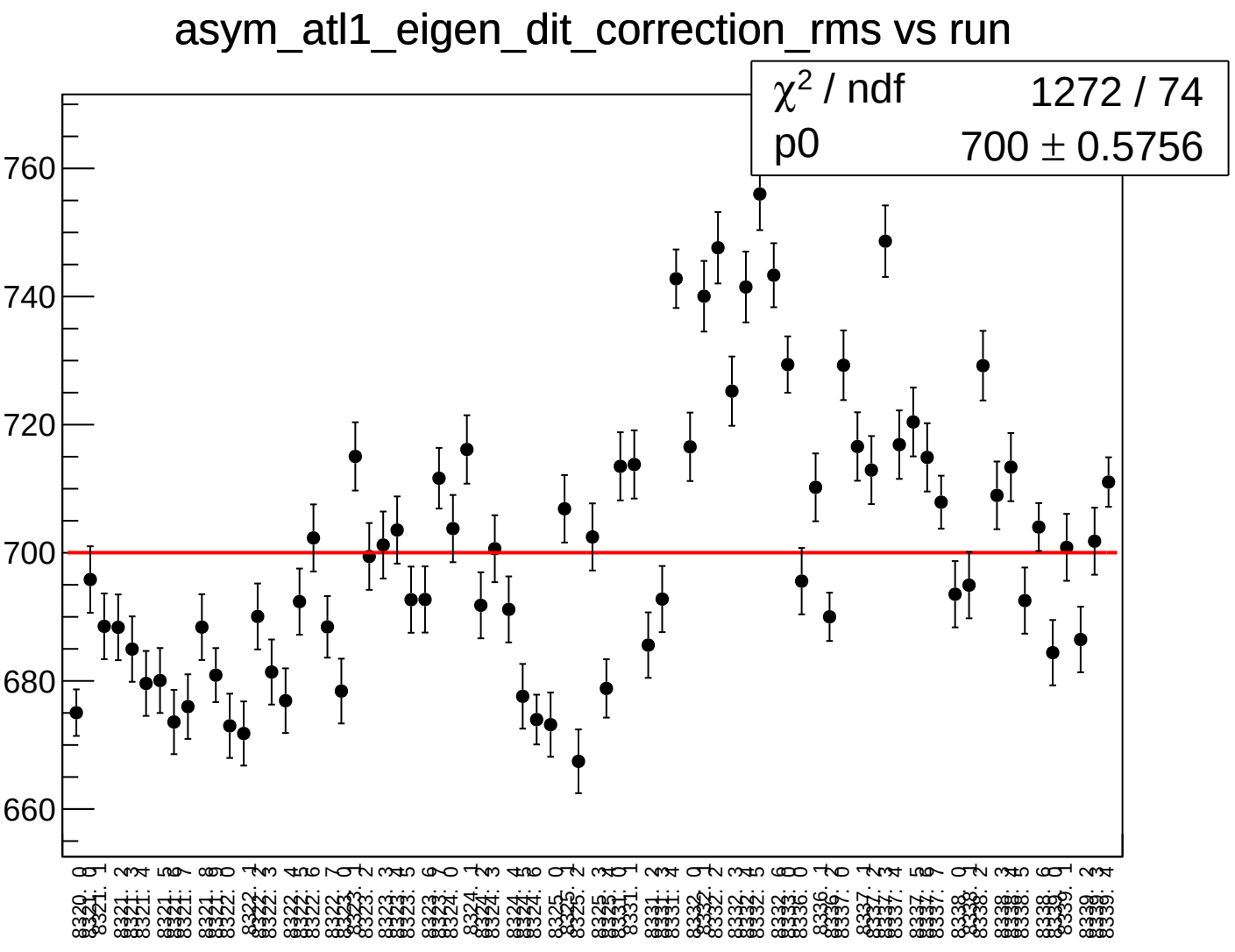

asym_atl1_dit_correction_rms vs run
χ² / ndf 1272 / 74
p0 700 ± 0.5756
760
740
720
700
680
660

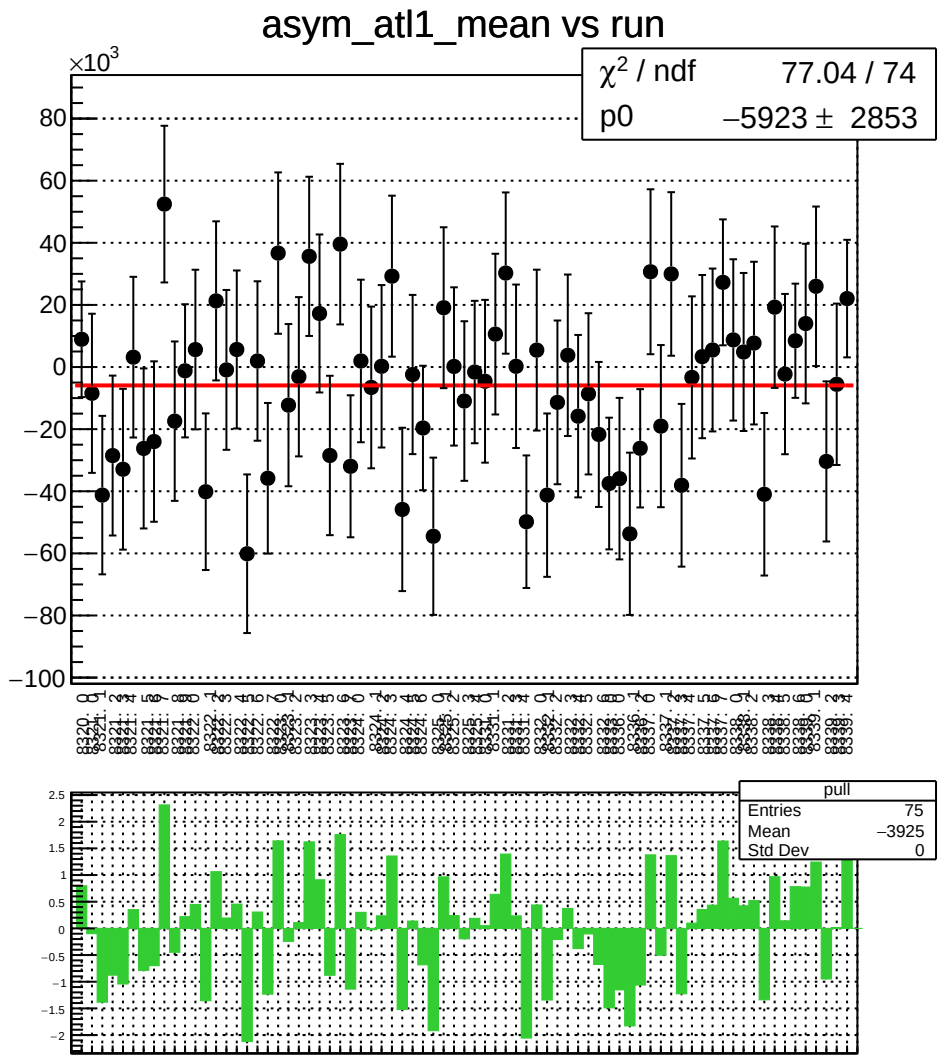

eigen_dit_asym_atl1_mean vs run
χ² / ndf 74.88 / 74
p0 −3040 ± 2723
pull
Entries 75
Mean 5719
Std Dev 0
pull1D
Entries 75
Mean 0.0003735
Std Dev 0.9992

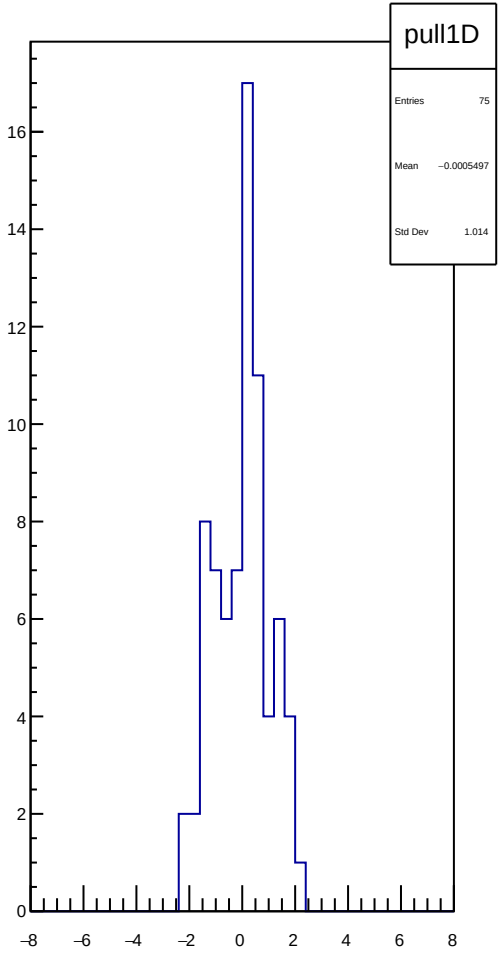

eigen_dit_asym_atl1_rms vs run
χ² / ndf 96.92 / 74
p0 2343 ± 1.926
2420
2400
2380
2360
2340
2320
2300
2280

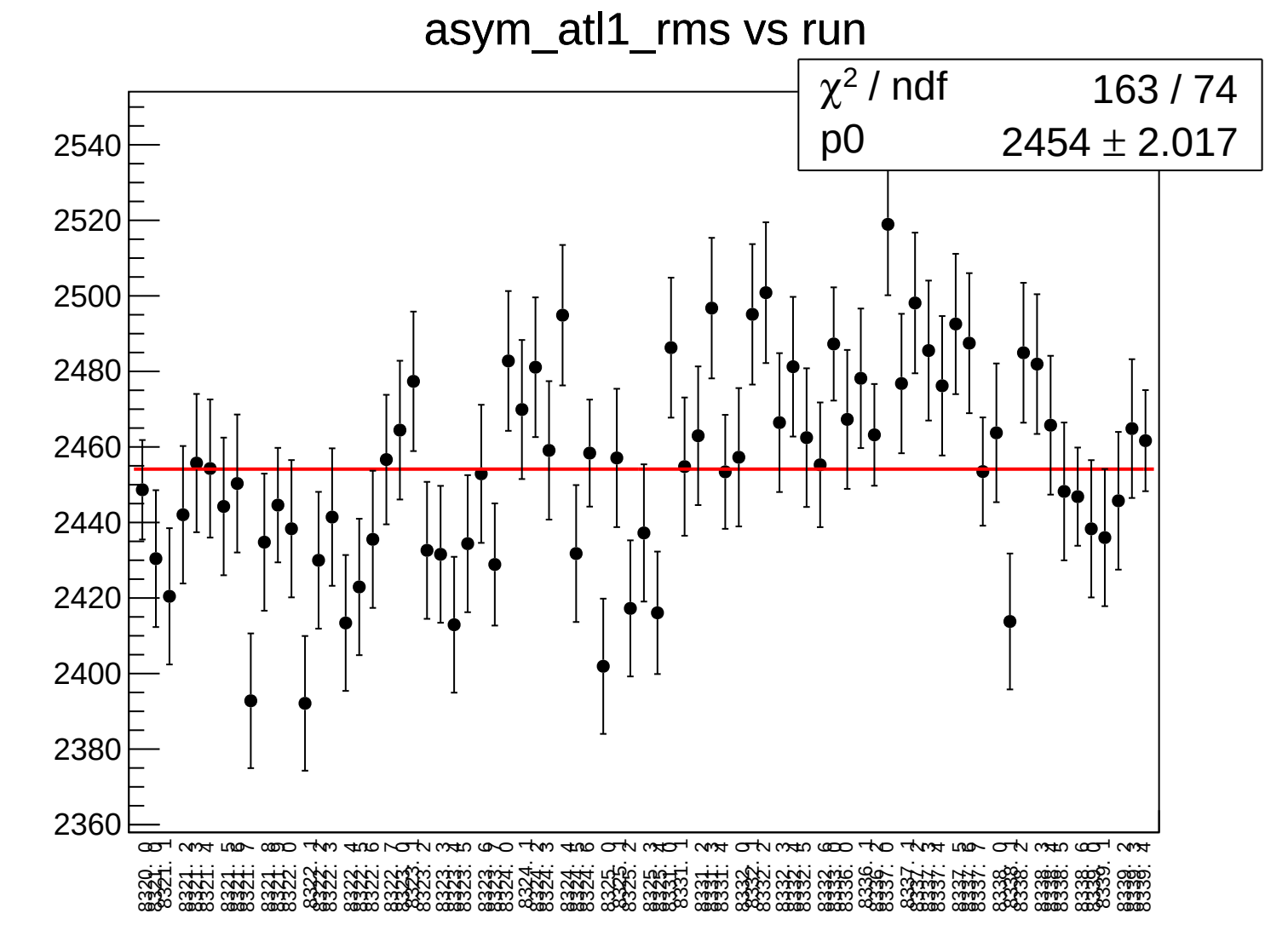

asym_atl1_eigen_dit_correction_mean vs run
χ² / ndf 82.84 / 74
p0 2867 ± 814.1
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −103
Std Dev 0
2
1
0
−1
−2

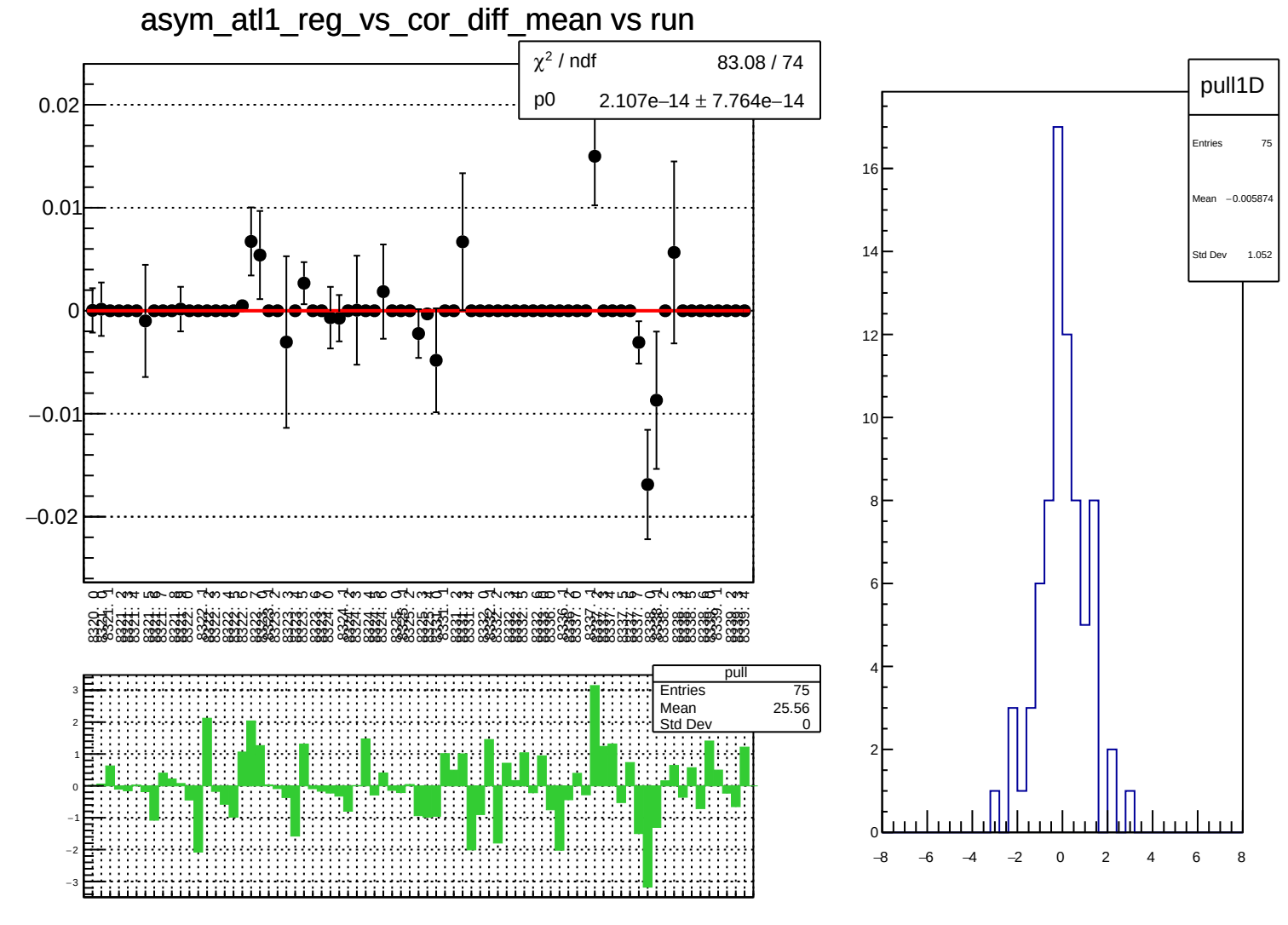

pull1D
Entries 75
Mean 0.004044
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

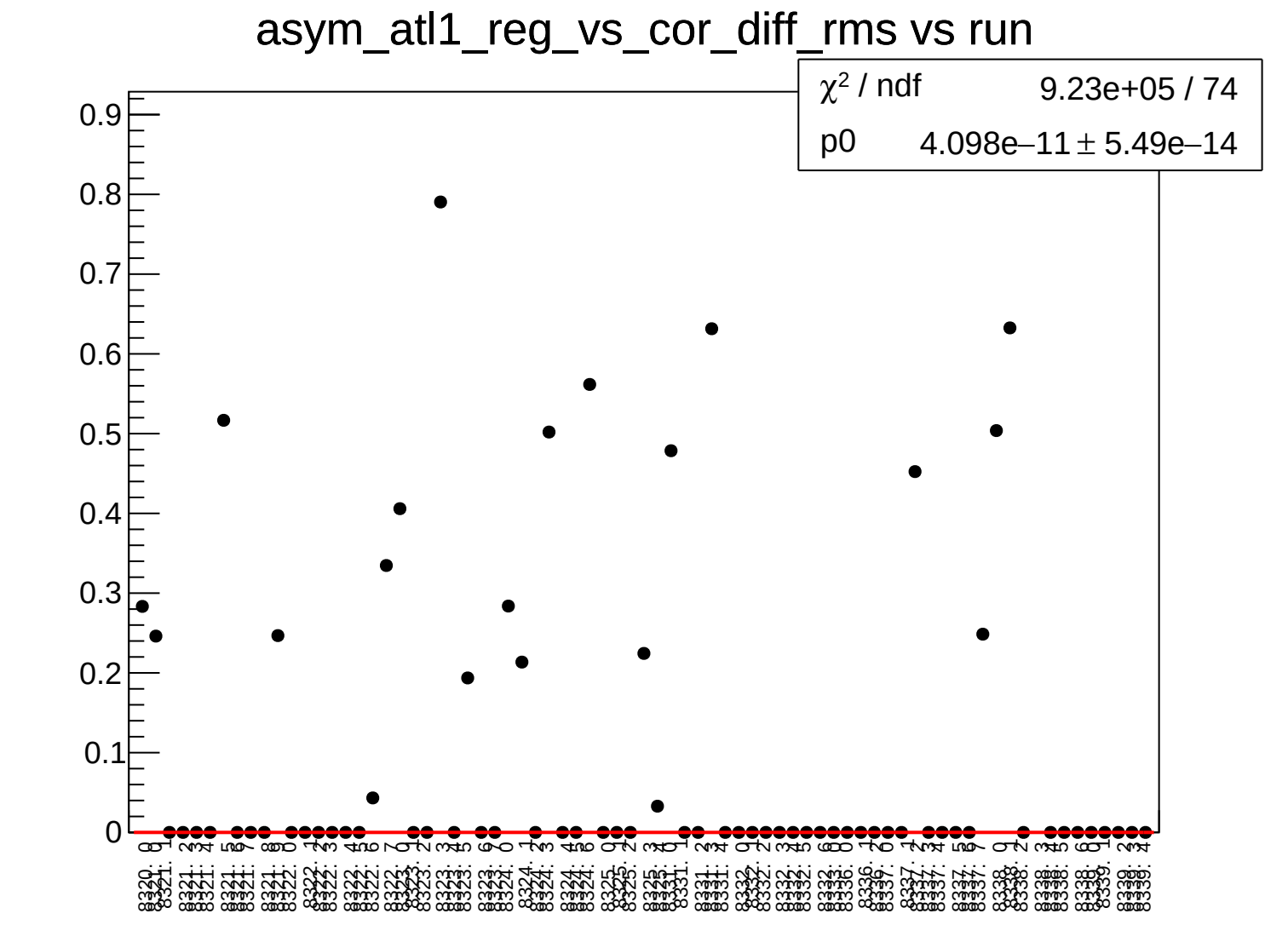

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1272 / 74
p0 700 ± 0.5756
760
740
720
700
680
660

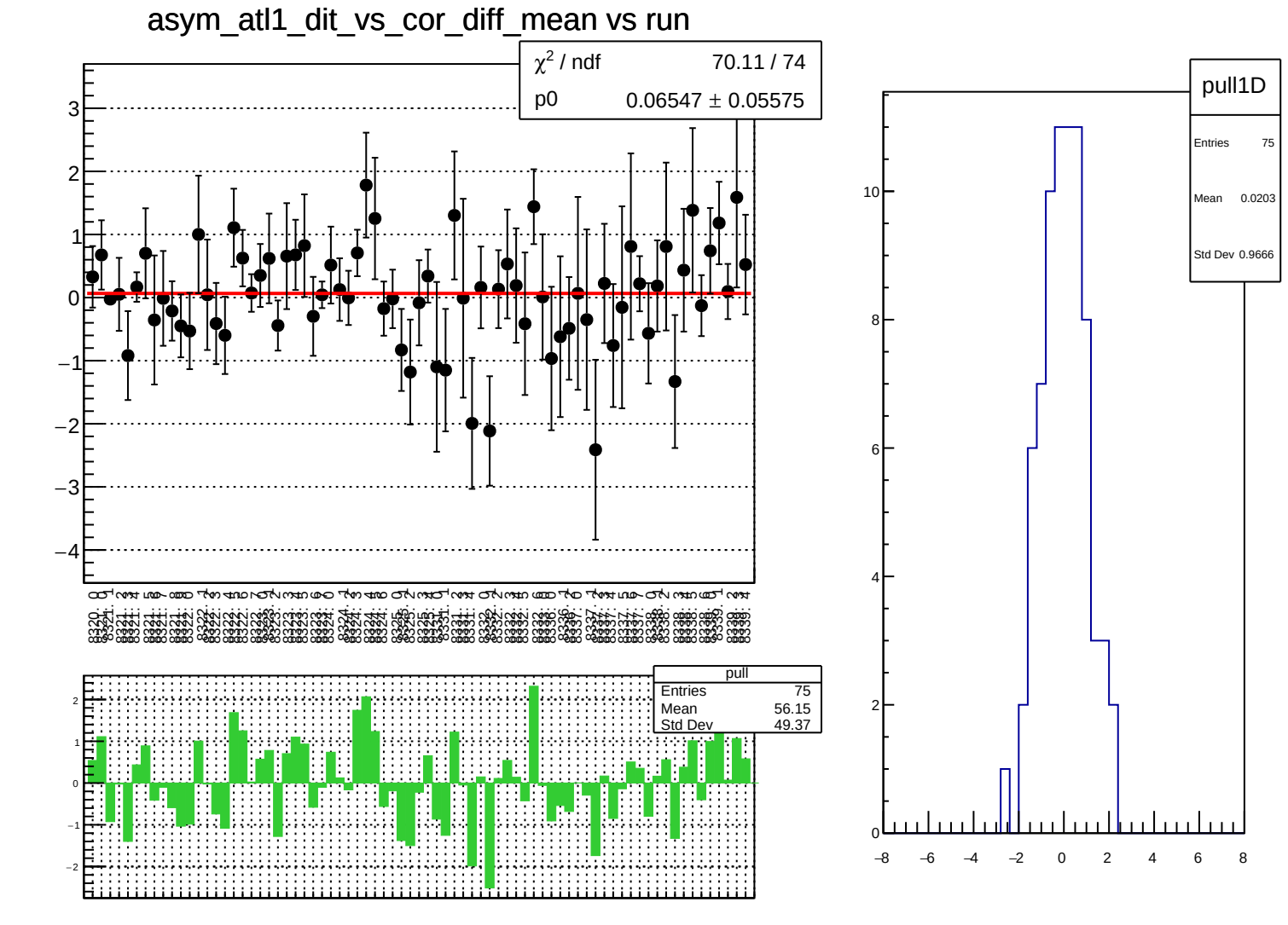

asym_atl1_mean vs run
χ² / ndf 77.04 / 74
p0 −5923 ± 2853
pull
Entries 75
Mean −3925
Std Dev 0

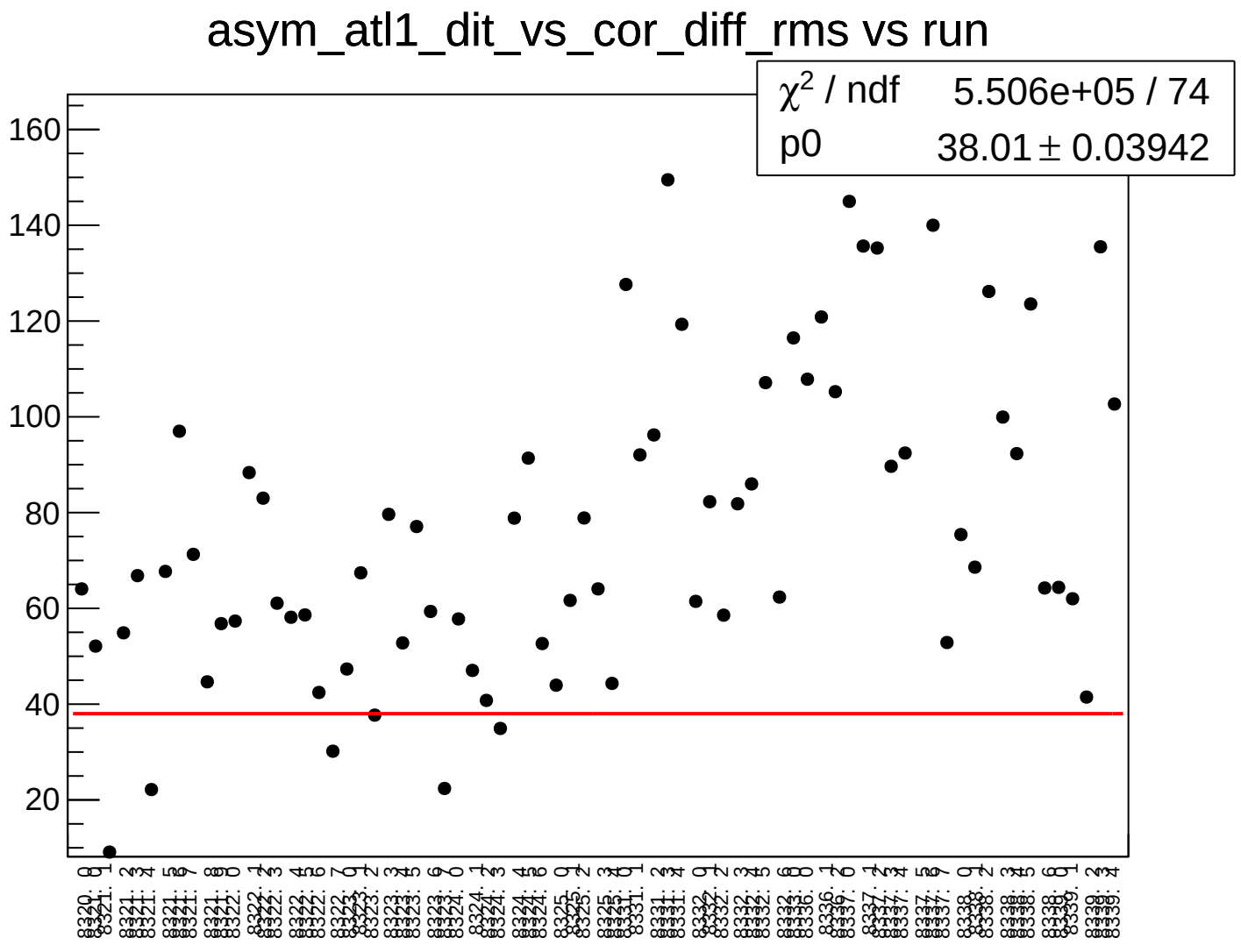

pull1D
Entries 75
Mean −0.0005497
Std Dev 1.014

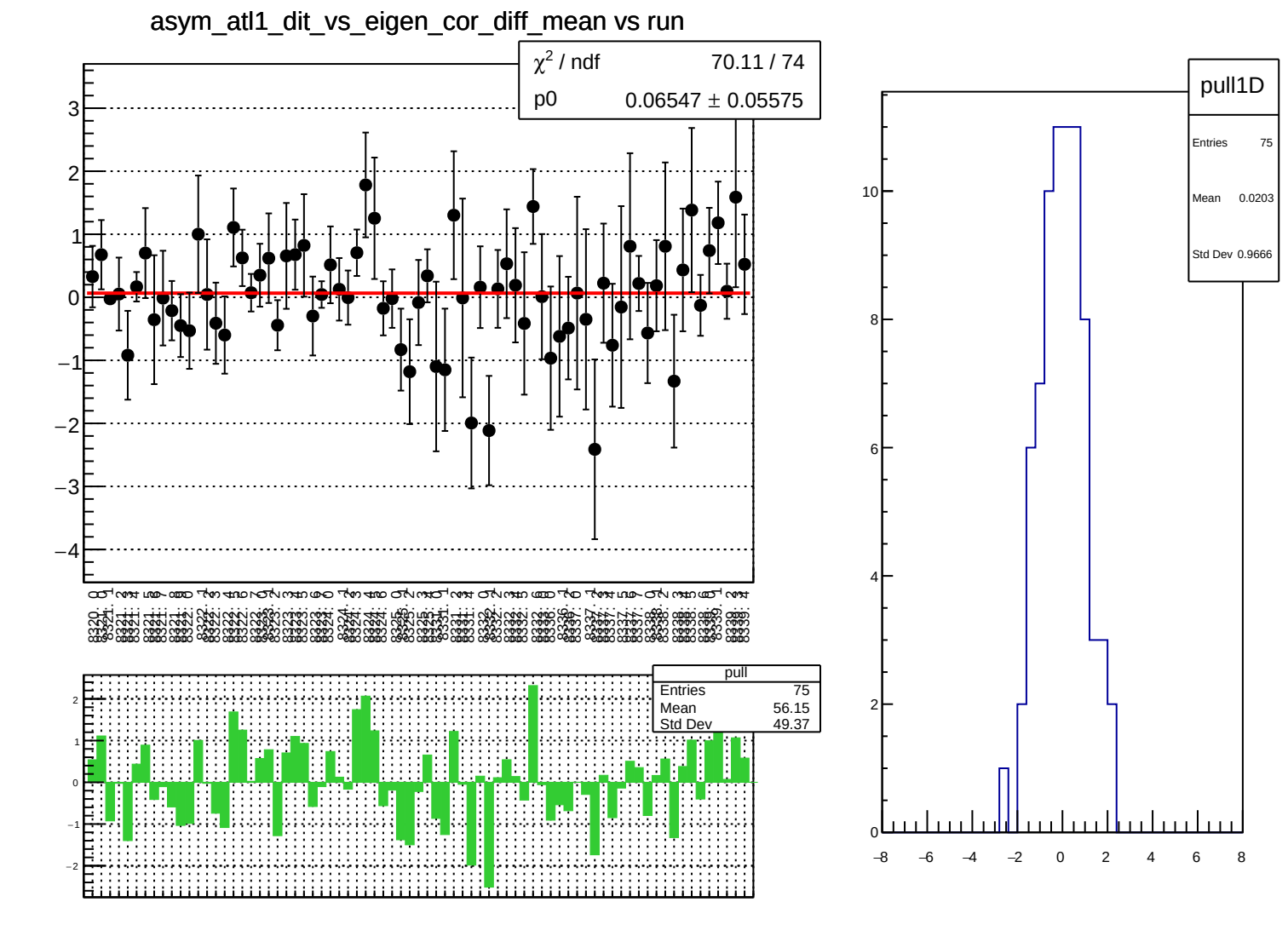

asym_atl1_rms vs run
χ² / ndf 163 / 74
p0 2454 ± 2.017
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360

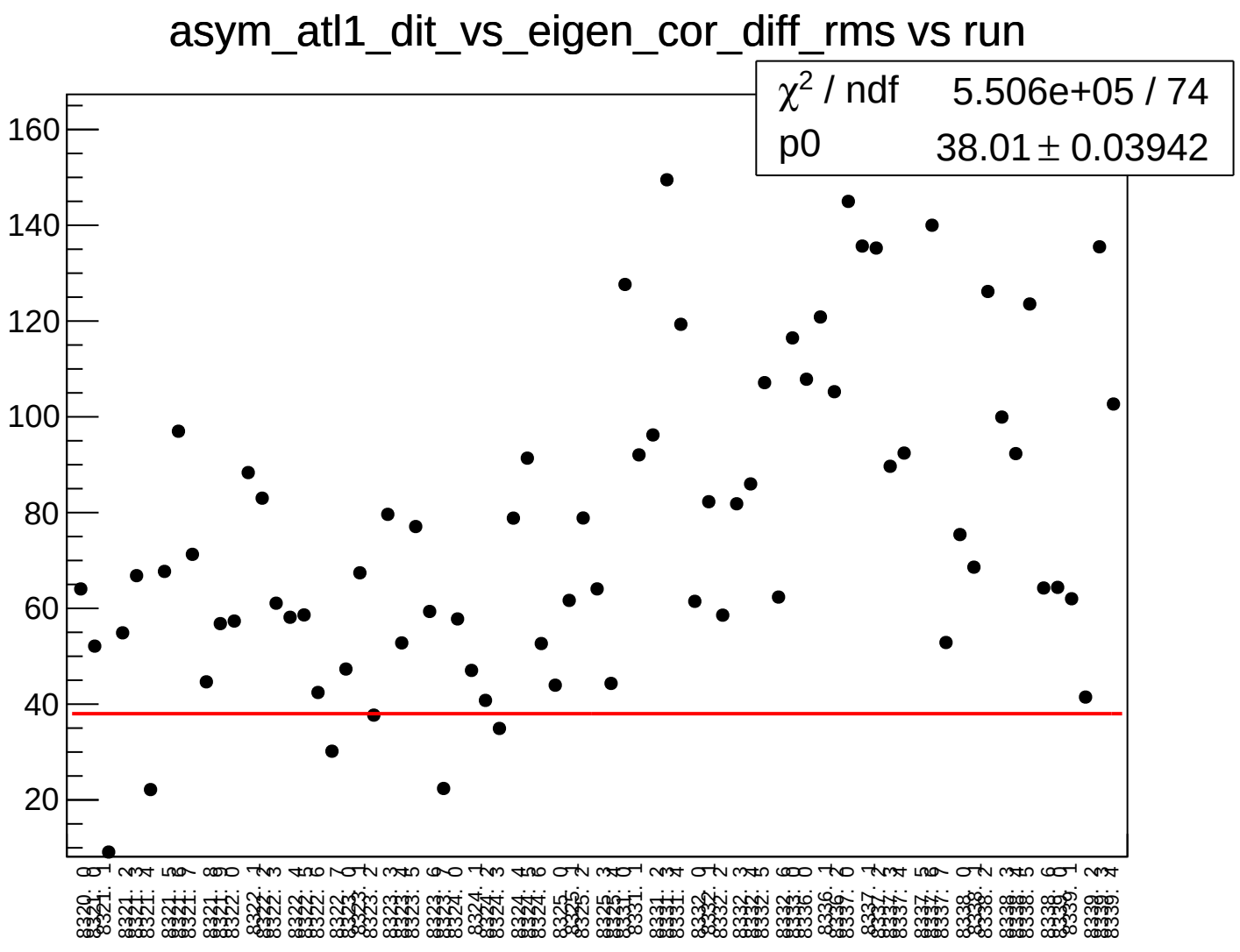

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 83.08 / 74
p0 2.107e−14 ± 7.764e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean 25.56
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 75
Mean −0.005874
Std Dev 1.052
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

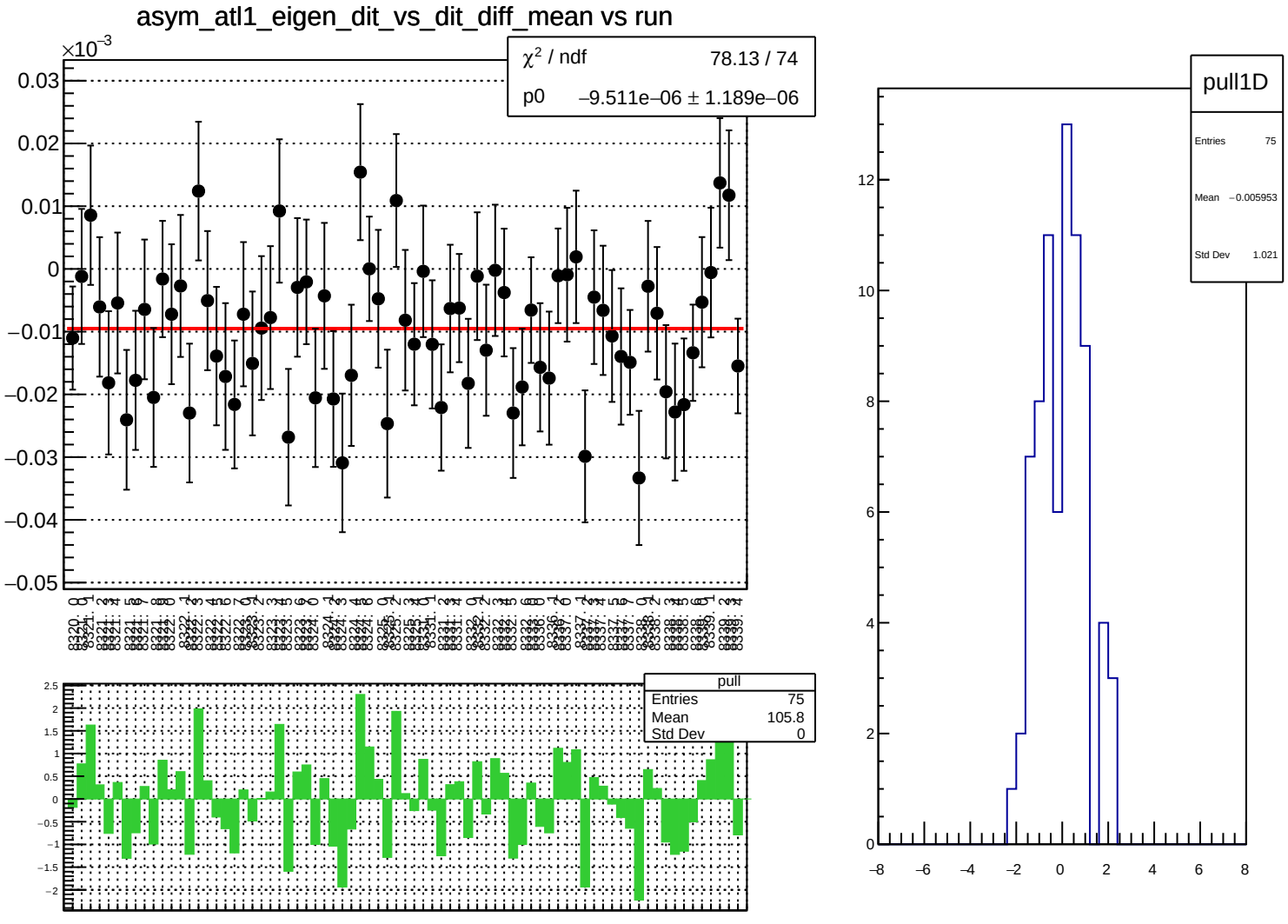

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 9.23e+05 / 74
p0 4.098e−11 ± 5.49e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

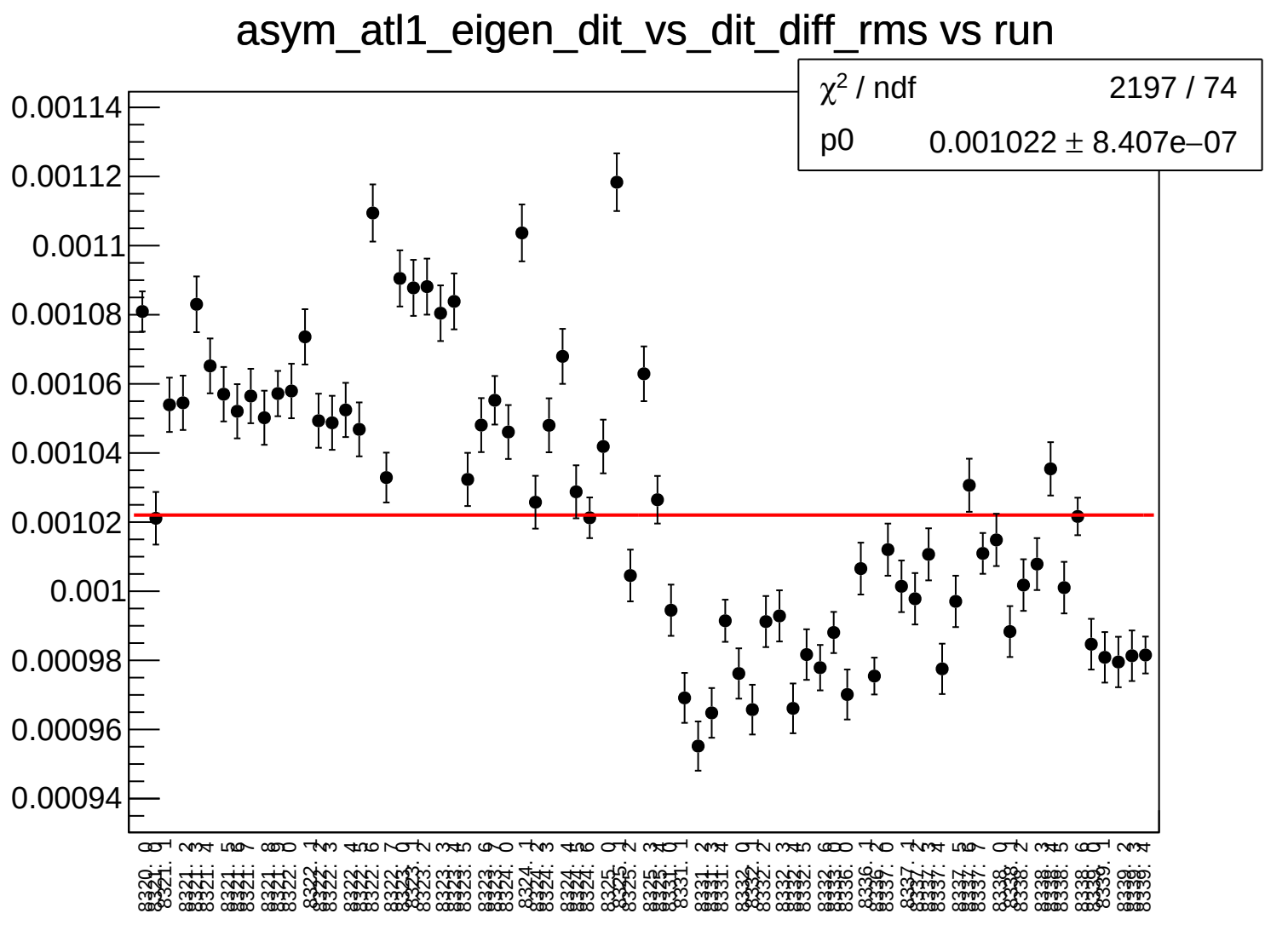

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06547 ± 0.05575
pull
Entries 75
Mean 56.15
Std Dev 49.37
pull1D
Entries 75
Mean 0.0203
Std Dev 0.9666

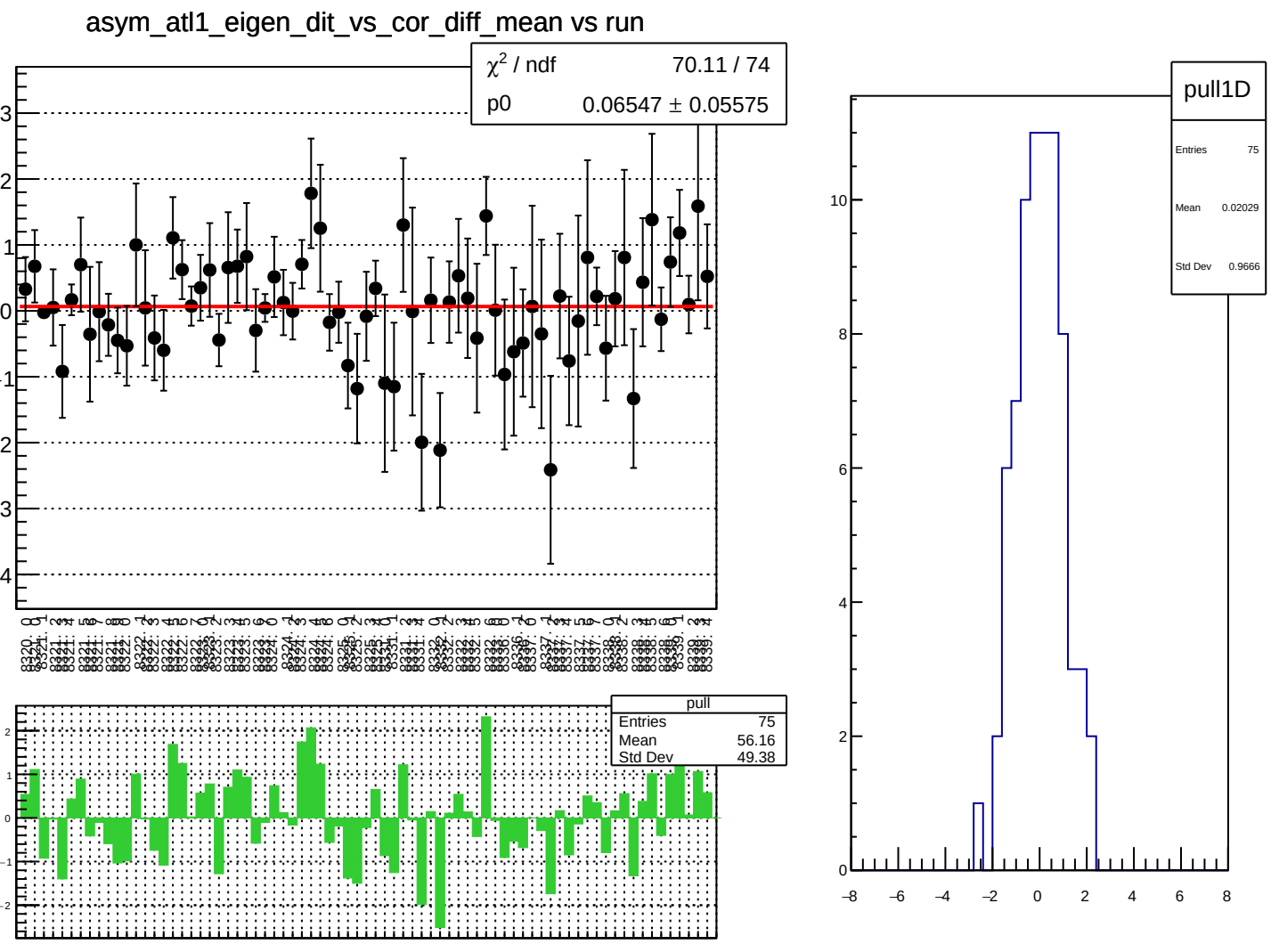

asym_atl1_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.506e+05 / 74
p0 38.01 ± 0.03942
160
140
120
100
80
60
40
20

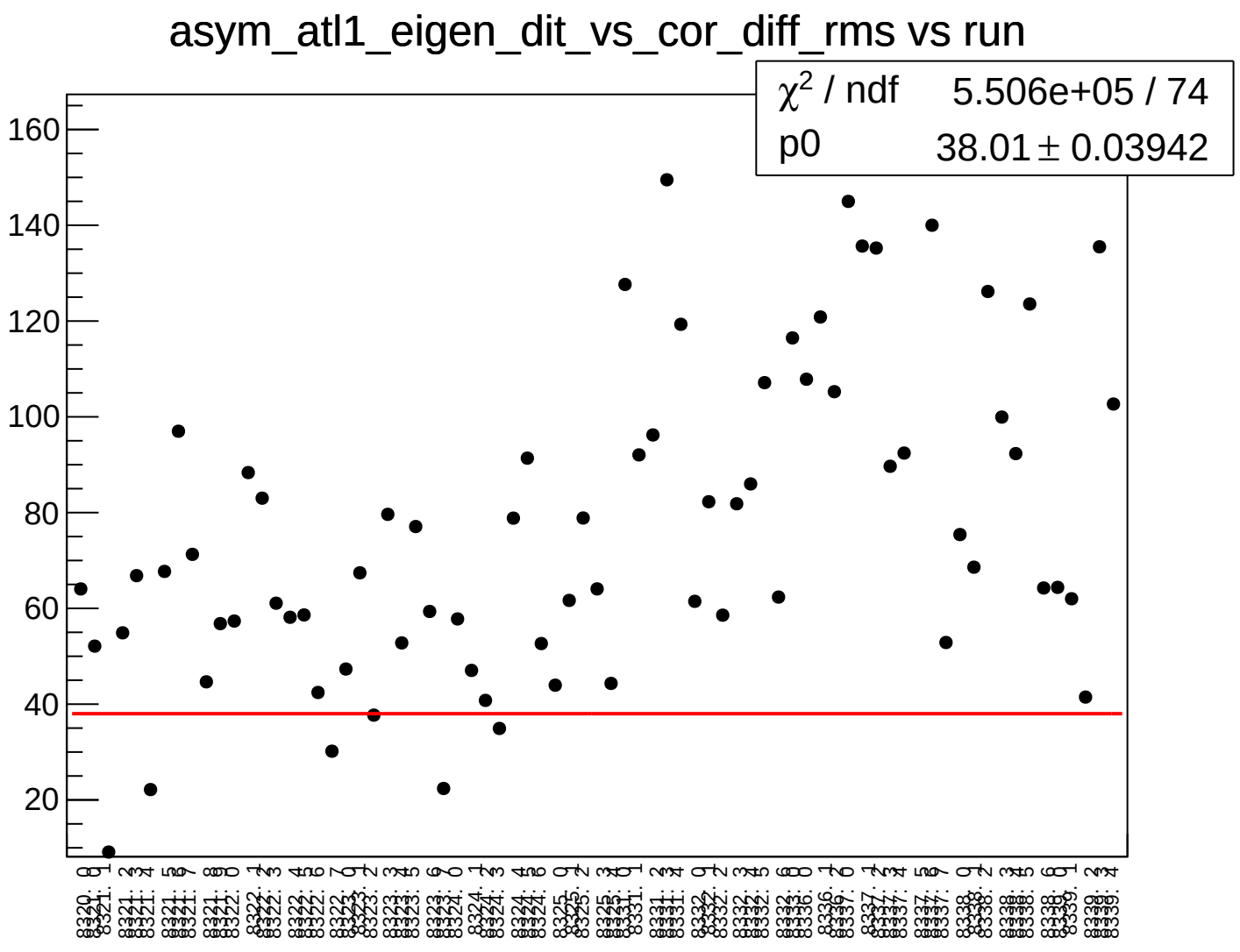

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06547 ± 0.05575
pull
Entries 75
Mean 56.15
Std Dev 49.37
pull1D
Entries 75
Mean 0.0203
Std Dev 0.9666

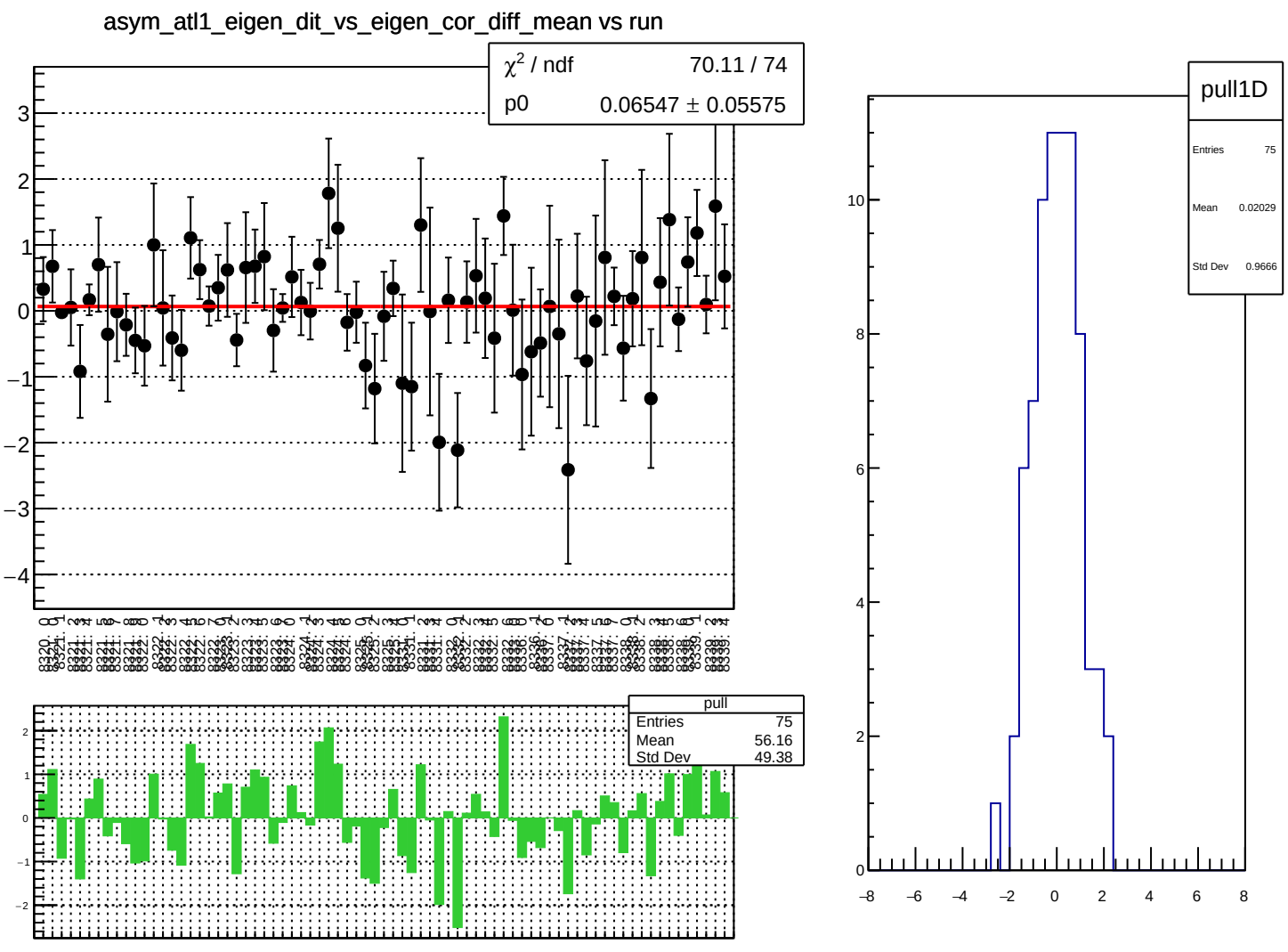

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 5.506e+05 / 74
p0 38.01 ± 0.03942
160
140
120
100
80
60
40
20

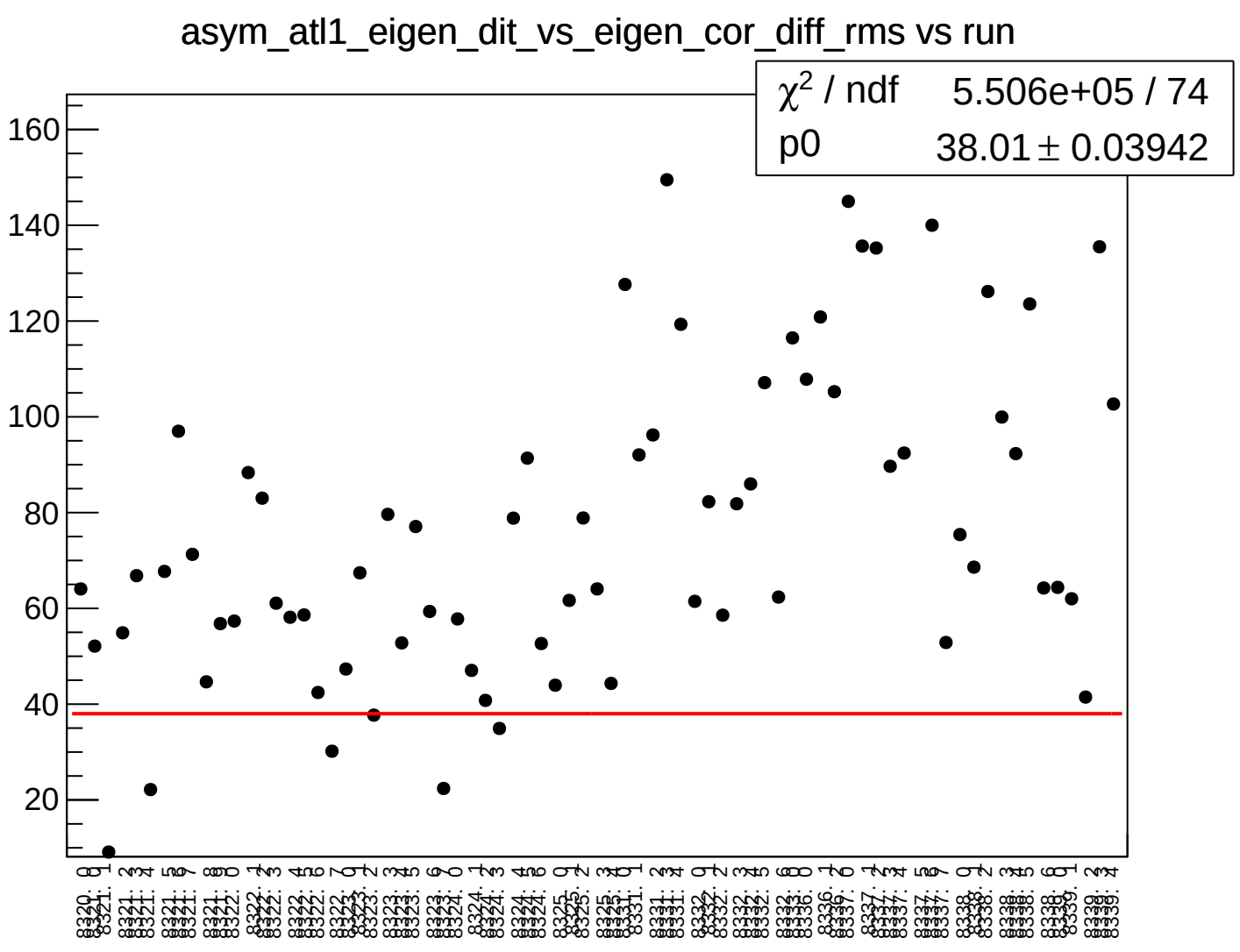

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.13 / 74
p0 −9.511e−06 ± 1.189e−06
pull
Entries 75
Mean 105.8
Std Dev 0
pull1D
Entries 75
Mean −0.005953
Std Dev 1.021

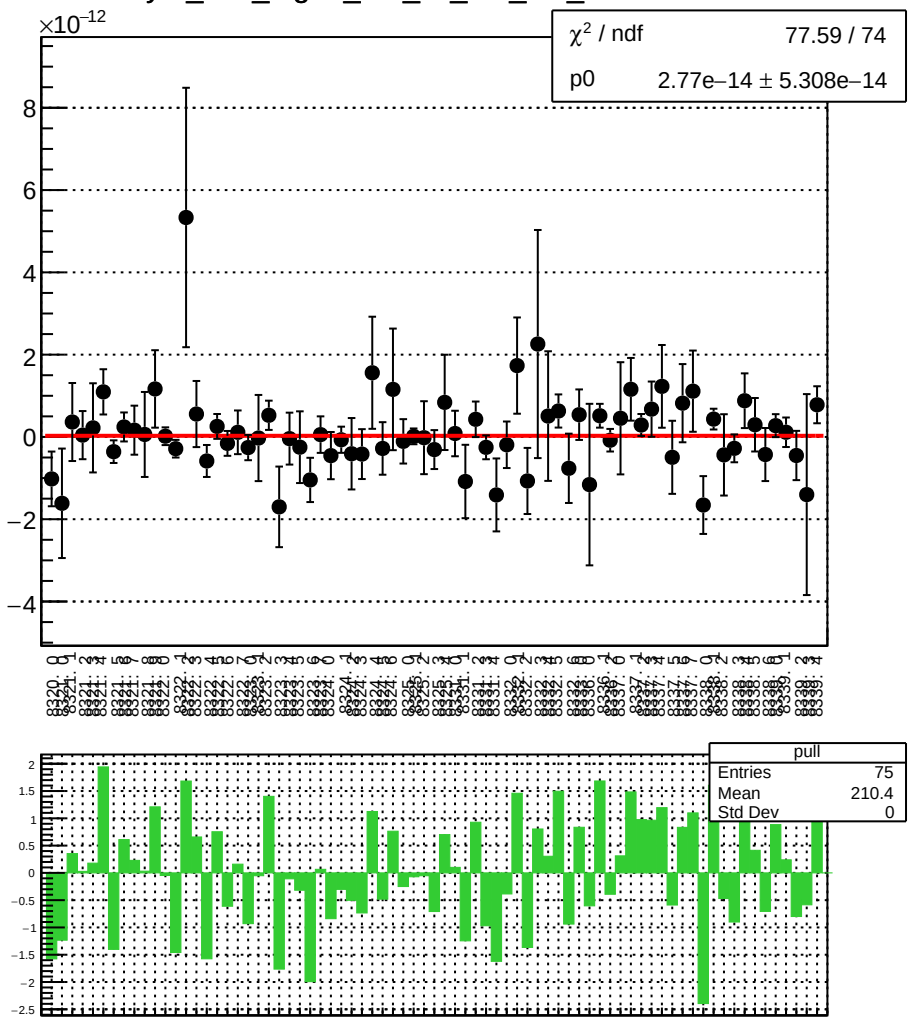

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2197 / 74
p0 0.001022 ± 8.407e−07
0.00114
0.00112
0.0011
0.00108
0.00106
0.00104
0.00102
0.001
0.00098
0.00096
0.00094

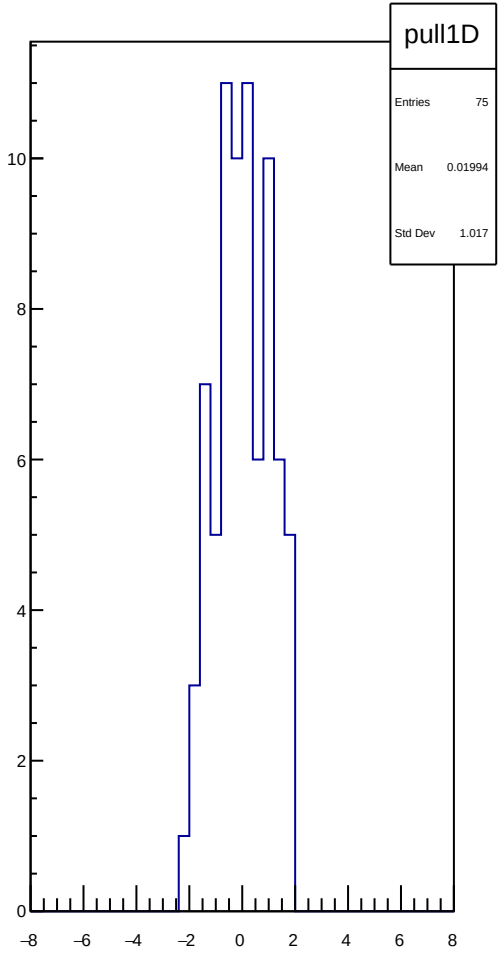

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06547 ± 0.05575
pull
Entries 75
Mean 56.16
Std Dev 49.38
pull1D
Entries 75
Mean 0.02029
Std Dev 0.9666

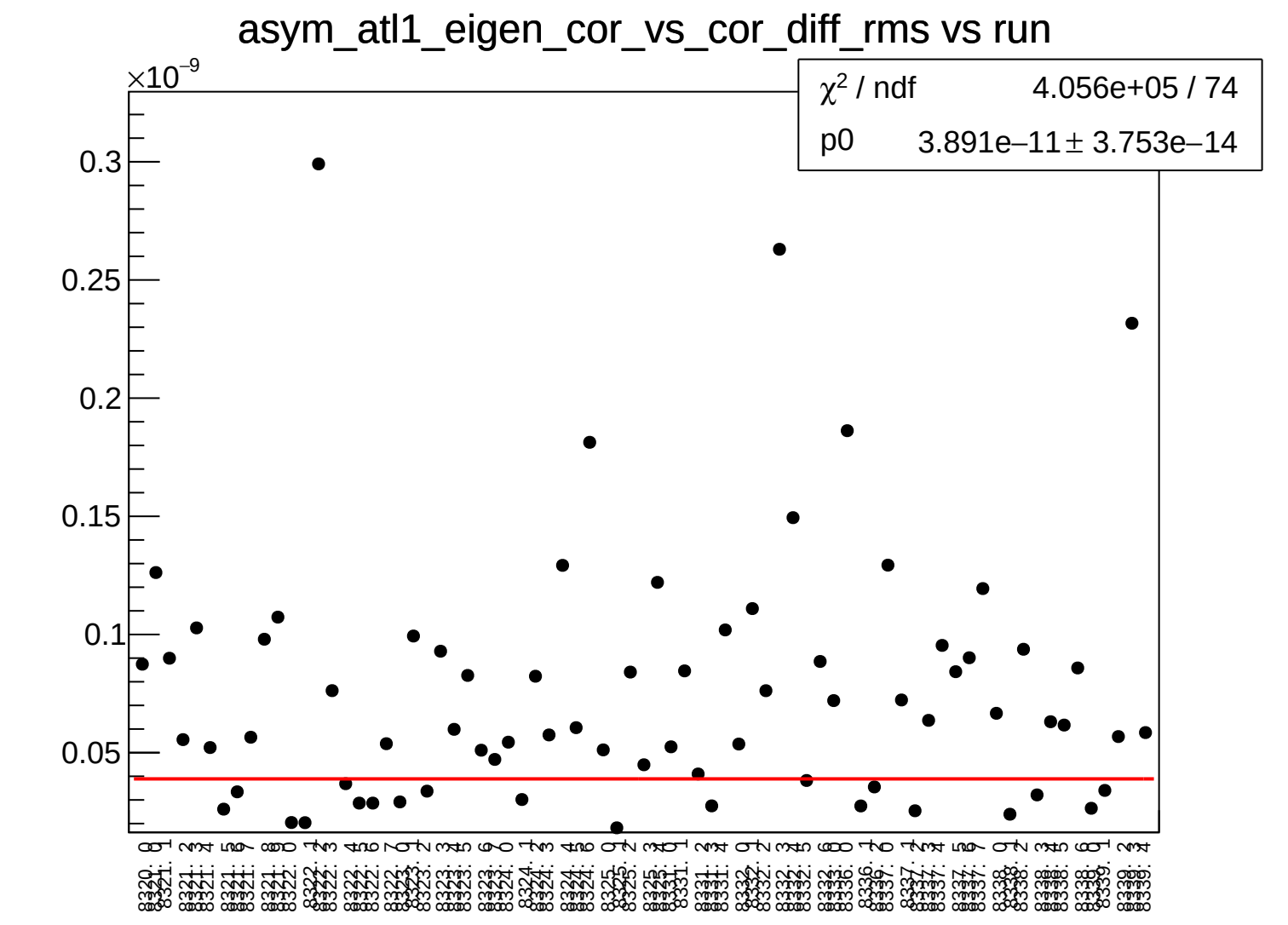

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 5.506e+05 / 74
p0 38.01 ± 0.03942
160
140
120
100
80
60
40
20

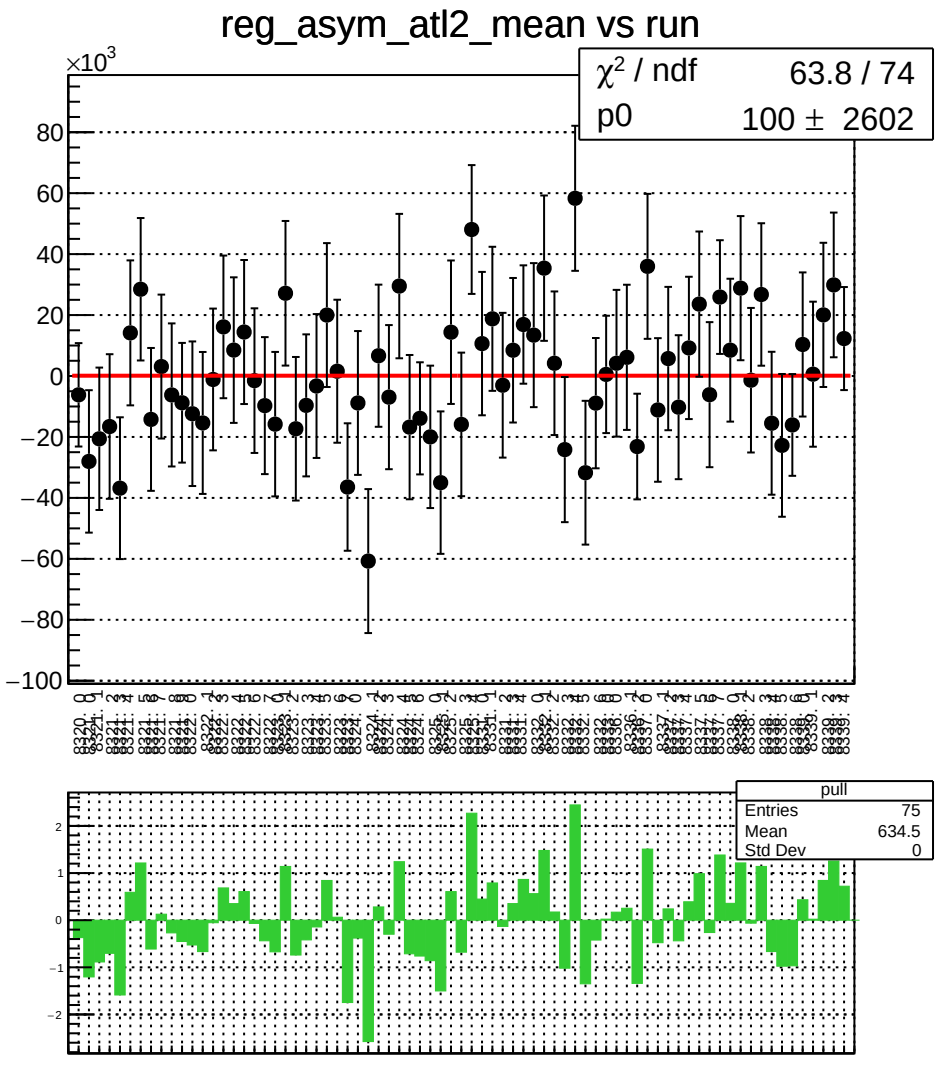

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06547 ± 0.05575
pull
Entries 75
Mean 56.16
Std Dev 49.38
pull1D
Entries 75
Mean 0.02029
Std Dev 0.9666

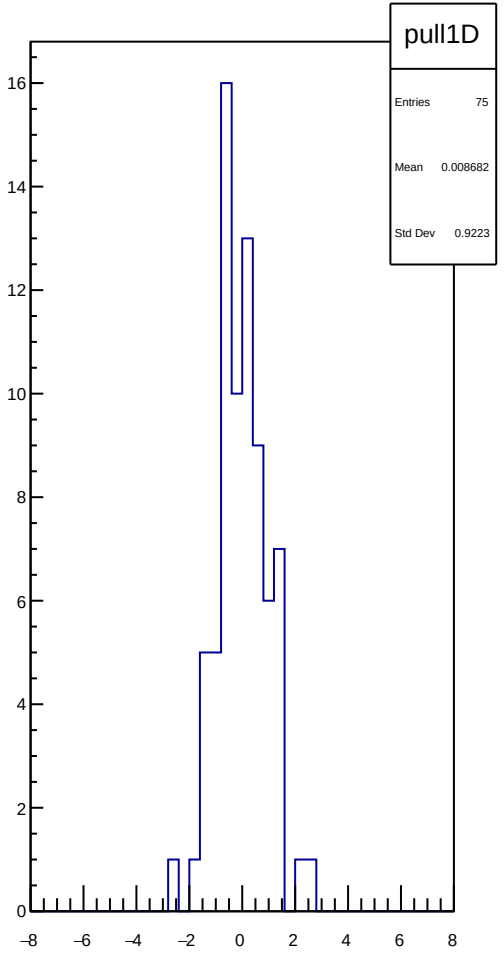

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.506e+05 / 74
p0 38.01 ± 0.03942
160
140
120
100
80
60
40
20

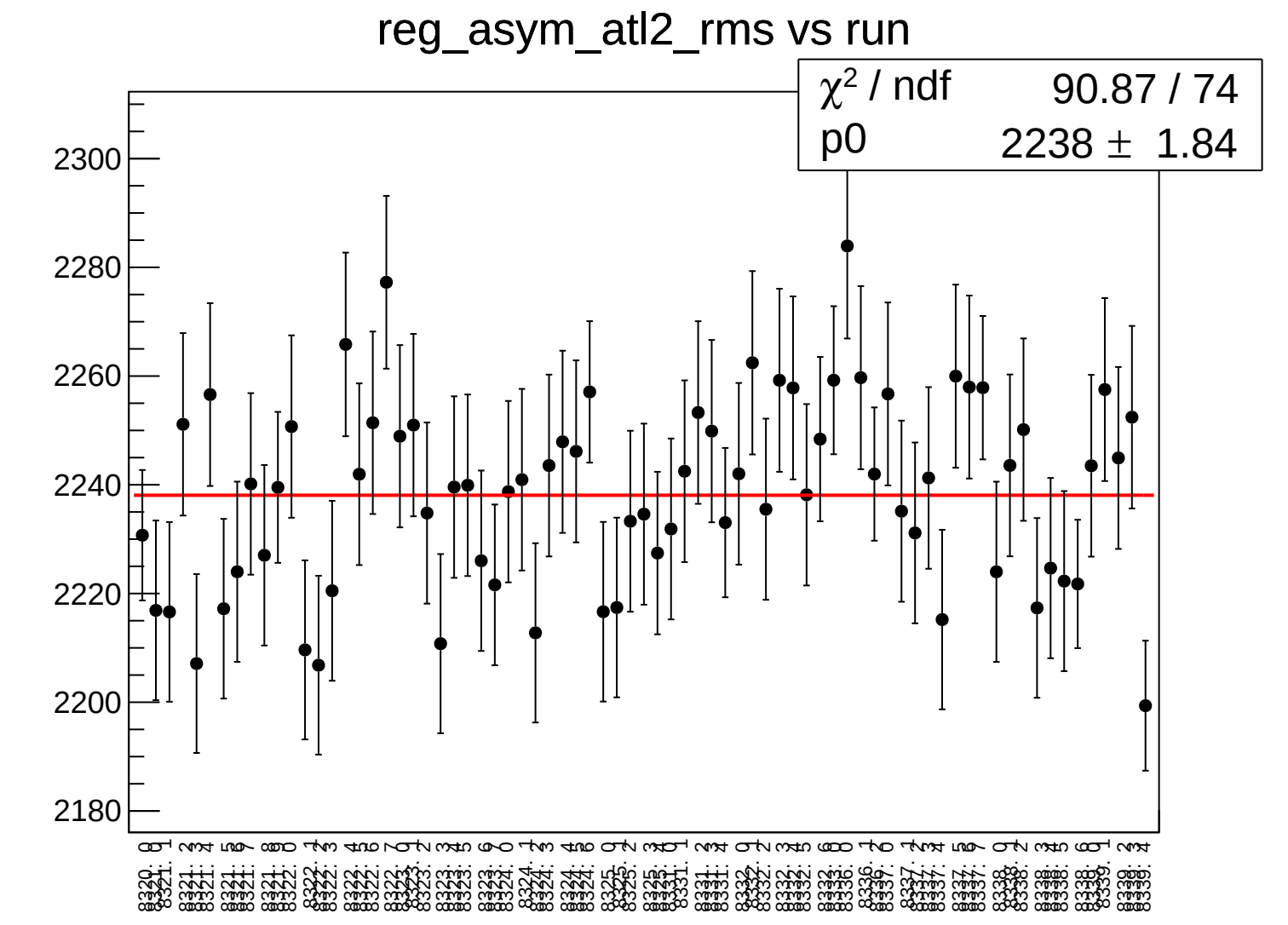

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.59 / 74
p0 2.77e−14 ± 5.308e−14
pull
Entries 75
Mean 210.4
Std Dev 0

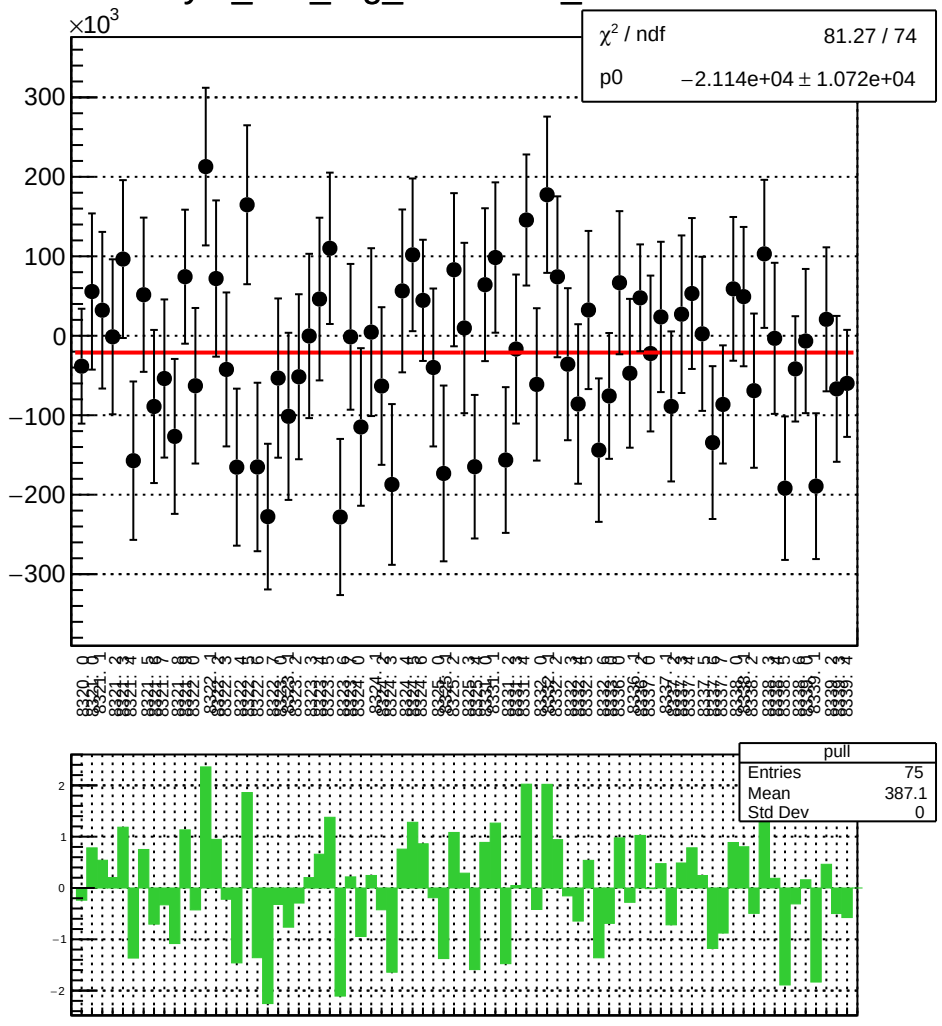

pull1D
Entries 75
Mean 0.01994
Std Dev 1.017

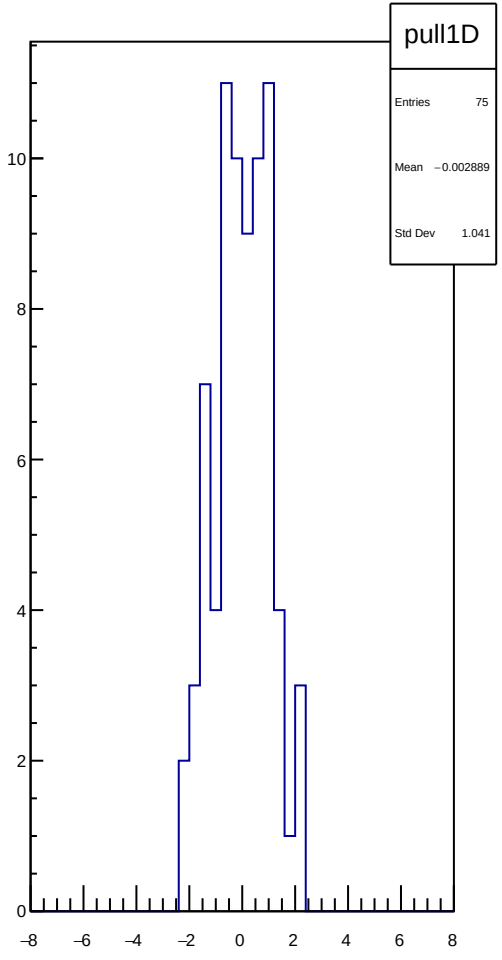

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.056e+05 / 74
p0 3.891e−11 ± 3.753e−14
0.3
0.25
0.2
0.15
0.1
0.05

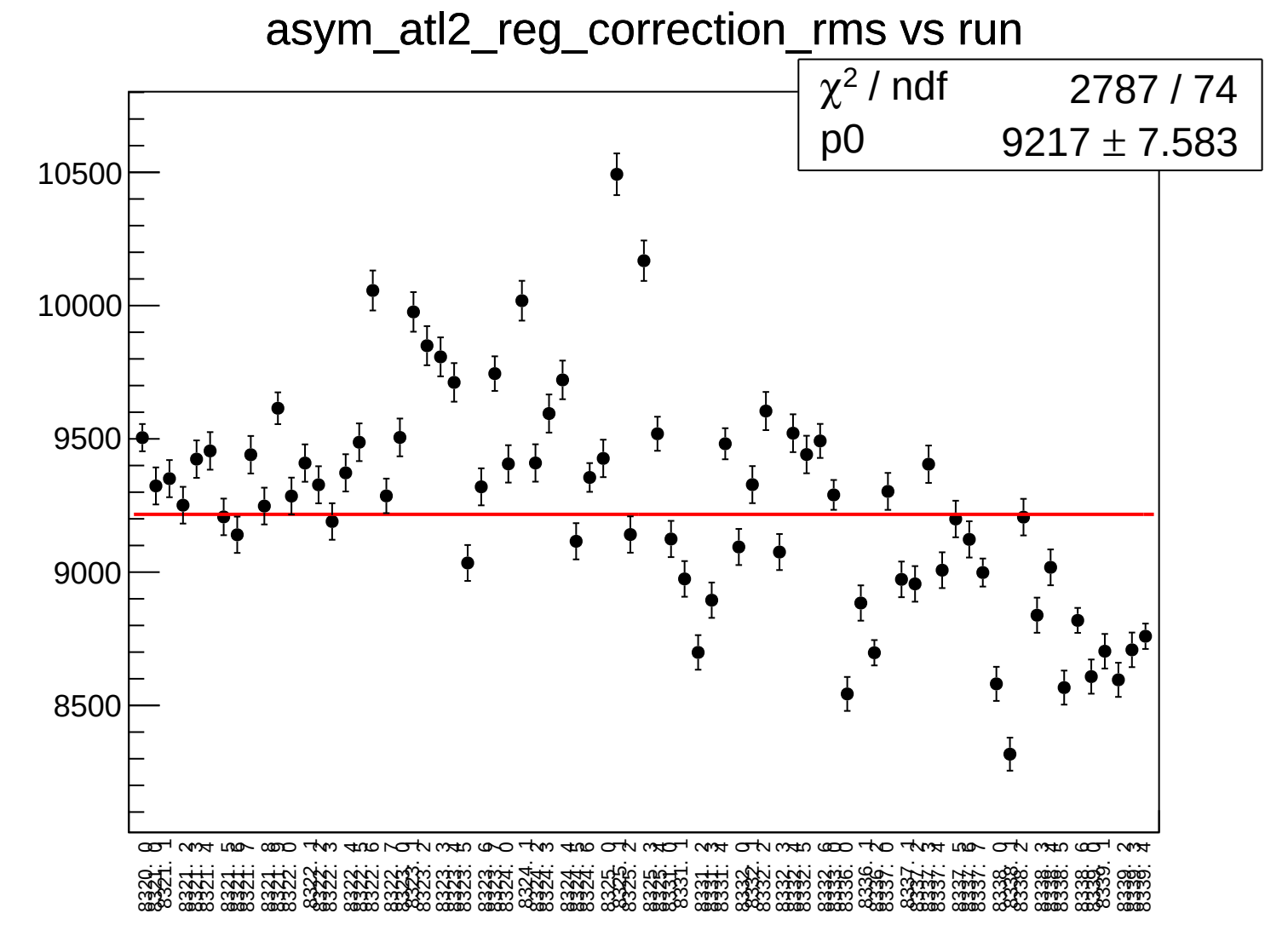

reg_asym_atl2_mean vs run
×10^3
χ^2 / ndf 63.8 / 74
p0 100 ± 2602
pull
Entries 75
Mean 634.5
Std Dev 0

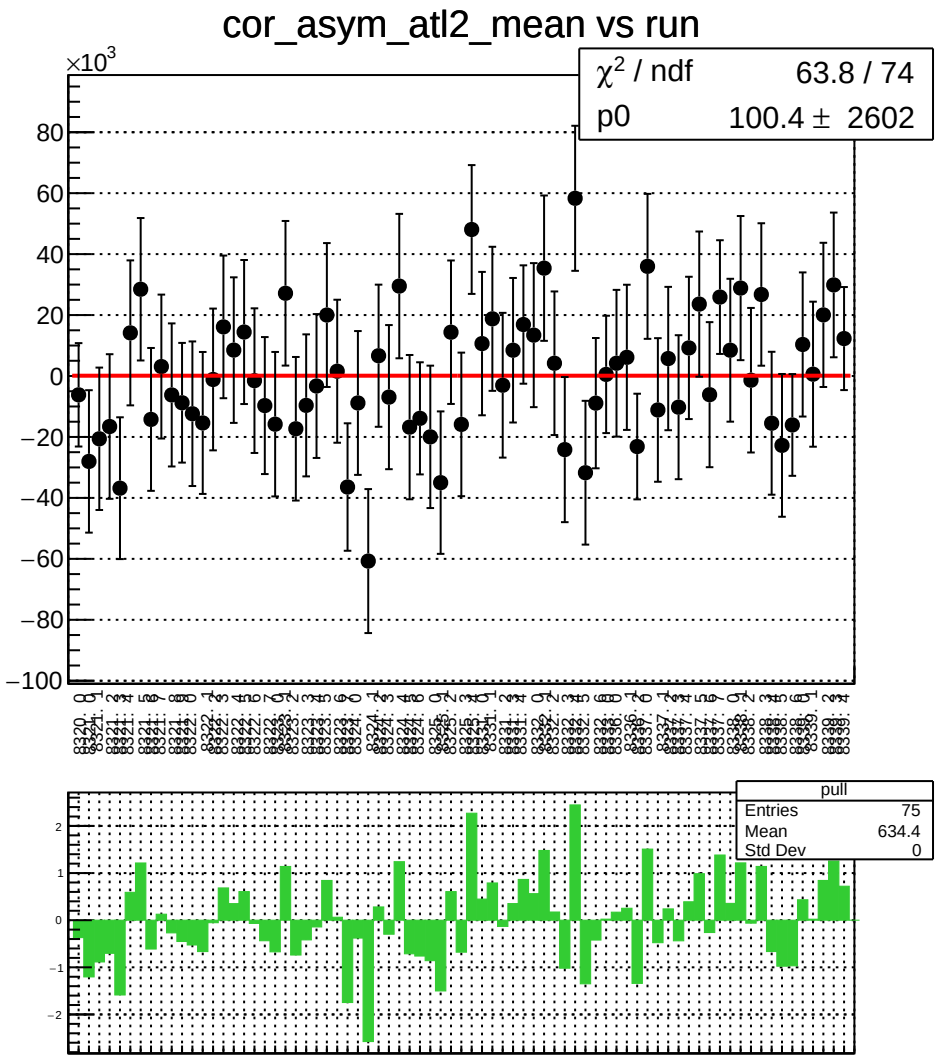

pull1D
Entries 75
Mean 0.008682
Std Dev 0.9223

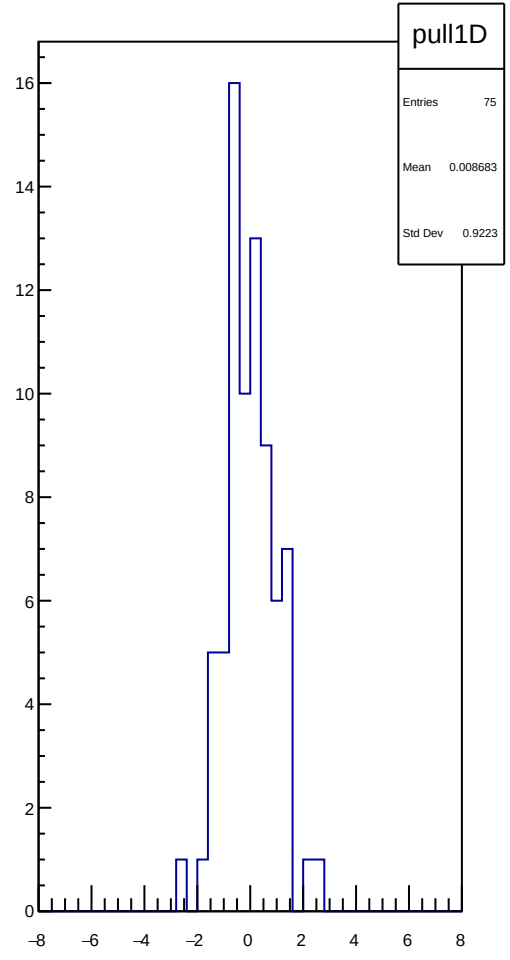

reg_asym_atl2_rms vs run
χ² / ndf 90.87 / 74
p0 2238 ± 1.84
2300
2280
2260
2240
2220
2200
2180

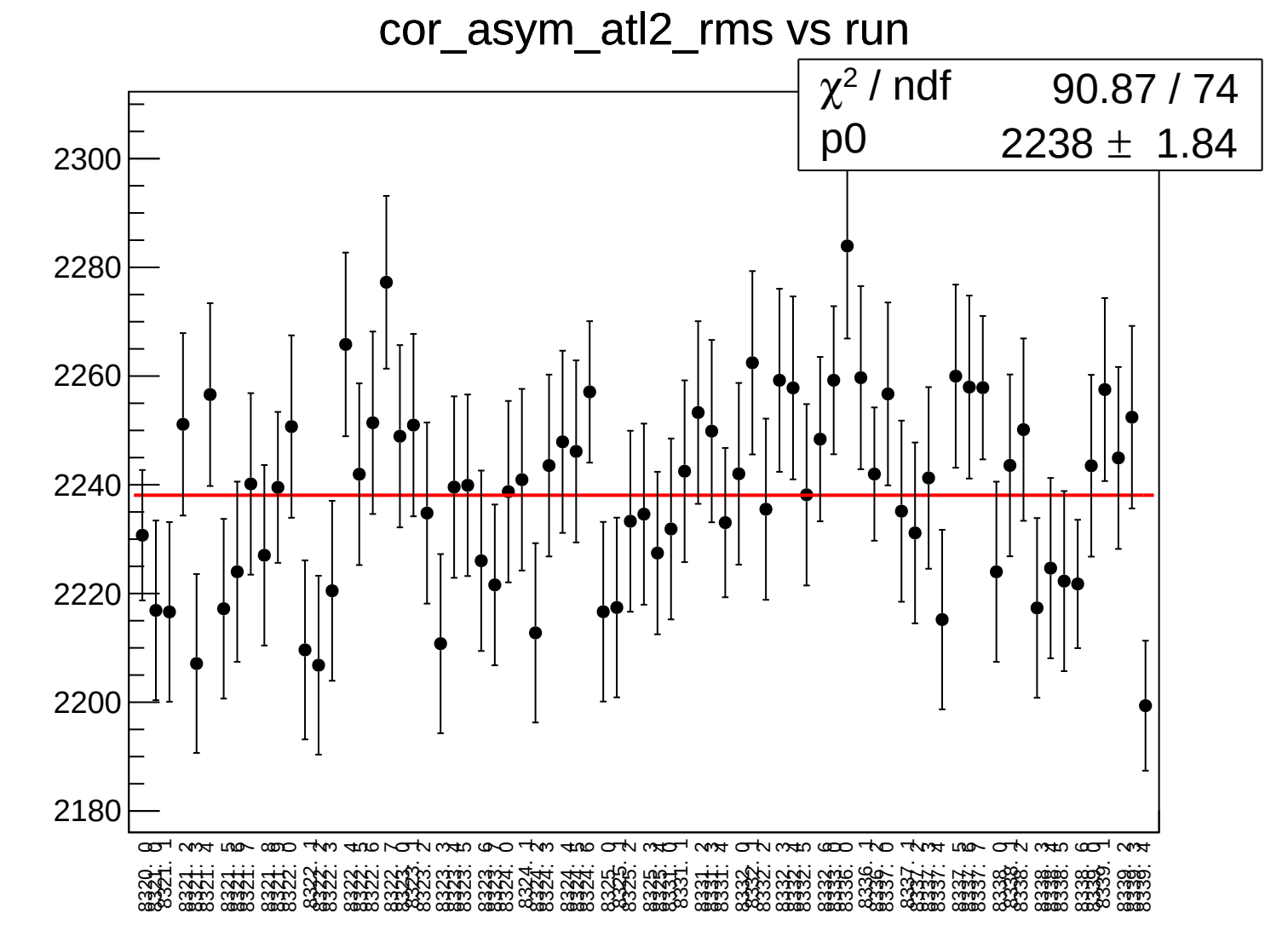

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 81.27 / 74
p0 −2.114e+04 ± 1.072e+04
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean 387.1
Std Dev 0
2
1
0
−1
−2

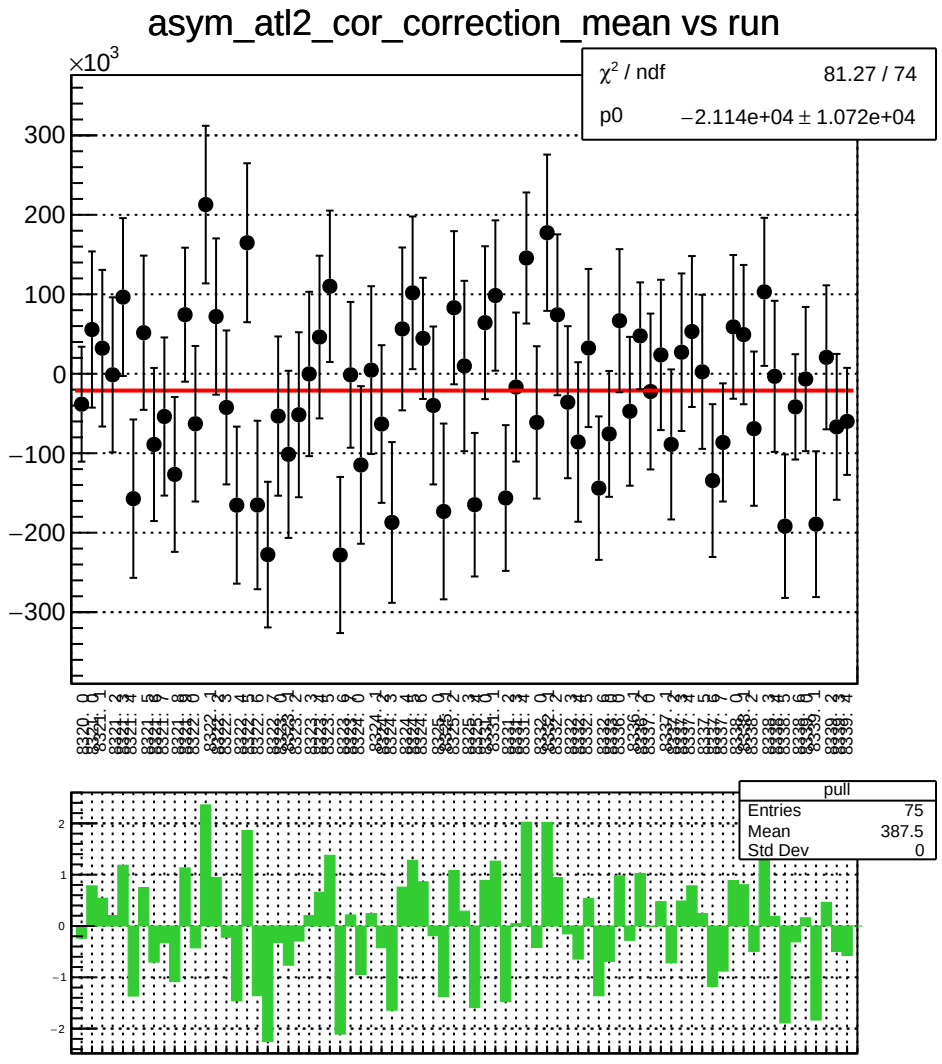

pull1D
Entries 75
Mean −0.002889
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

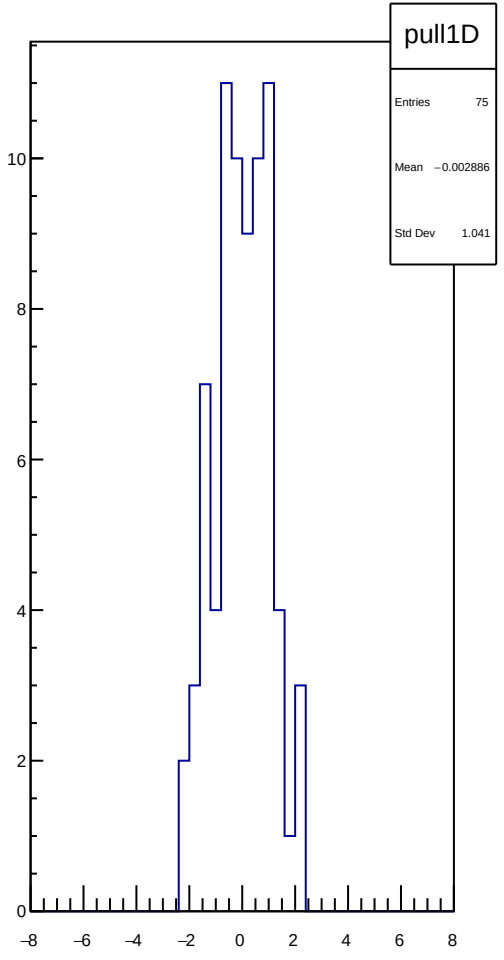

asym_atl2_reg_correction_rms vs run
χ² / ndf 2787 / 74
p0 9217 ± 7.583
10500
10000
9500
9000
8500

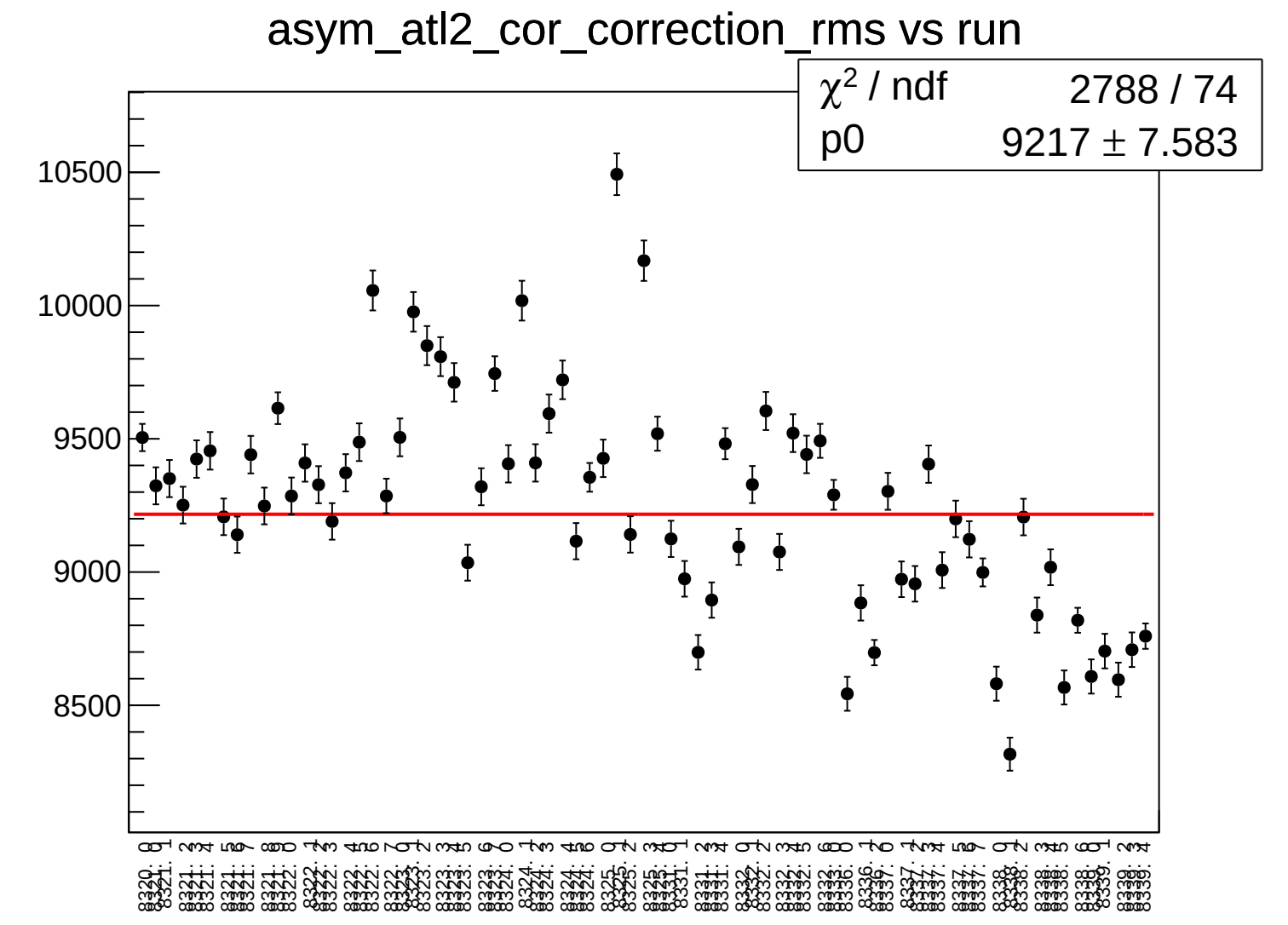

cor_asym_atl2_mean vs run
×10^3
χ^2 / ndf 63.8 / 74
p0 100.4 ± 2602
pull
Entries 75
Mean 634.4
Std Dev 0

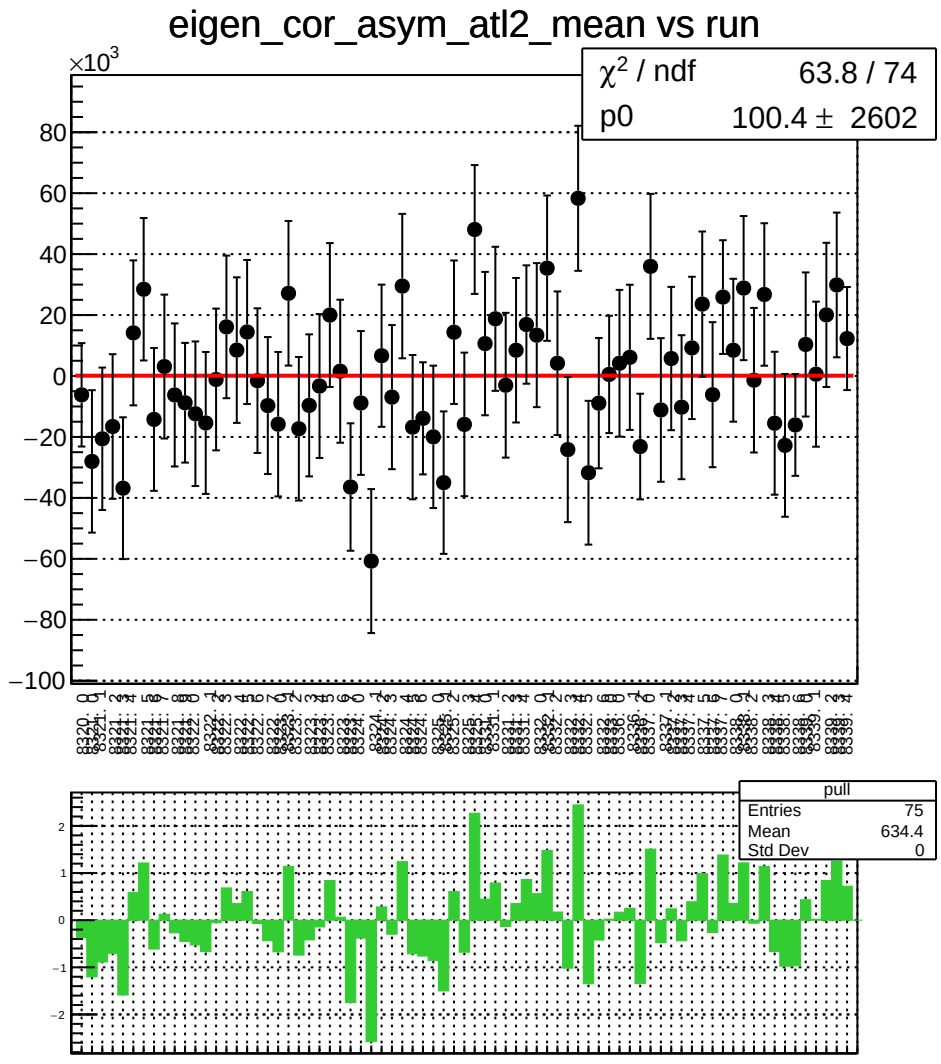

pull1D
Entries 75
Mean 0.008683
Std Dev 0.9223

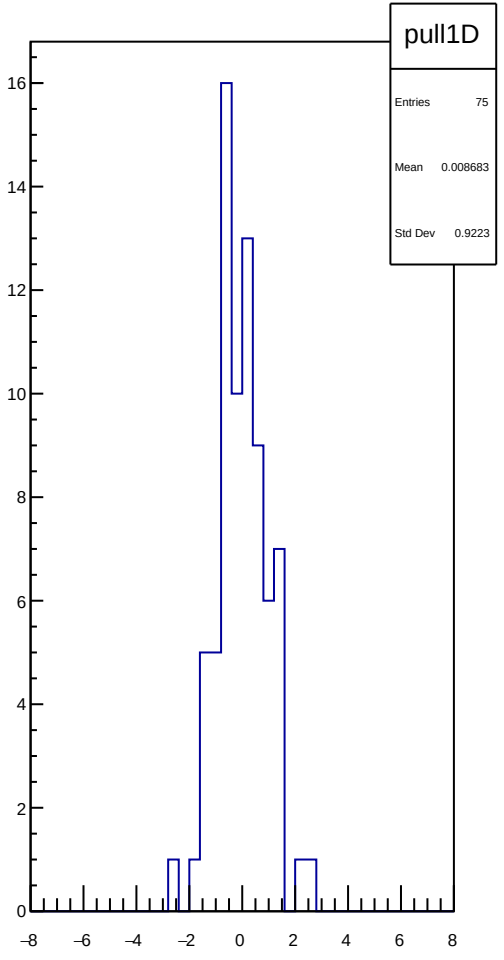

cor_asym_atl2_rms vs run
χ² / ndf 90.87 / 74
p0 2238 ± 1.84
2300
2280
2260
2240
2220
2200
2180

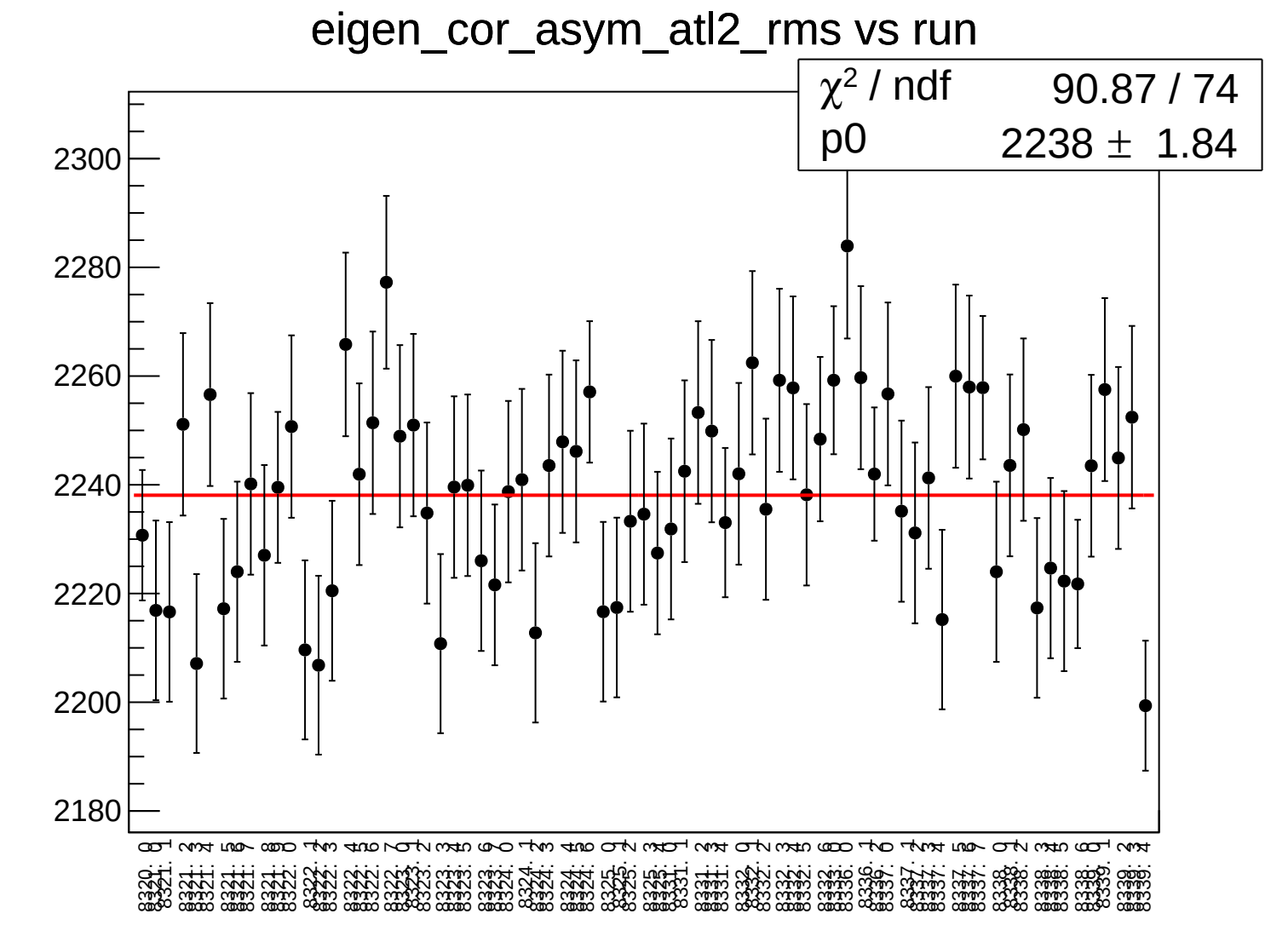

asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 81.27 / 74
p0 −2.114e+04 ± 1.072e+04
pull
Entries 75
Mean 387.5
Std Dev 0

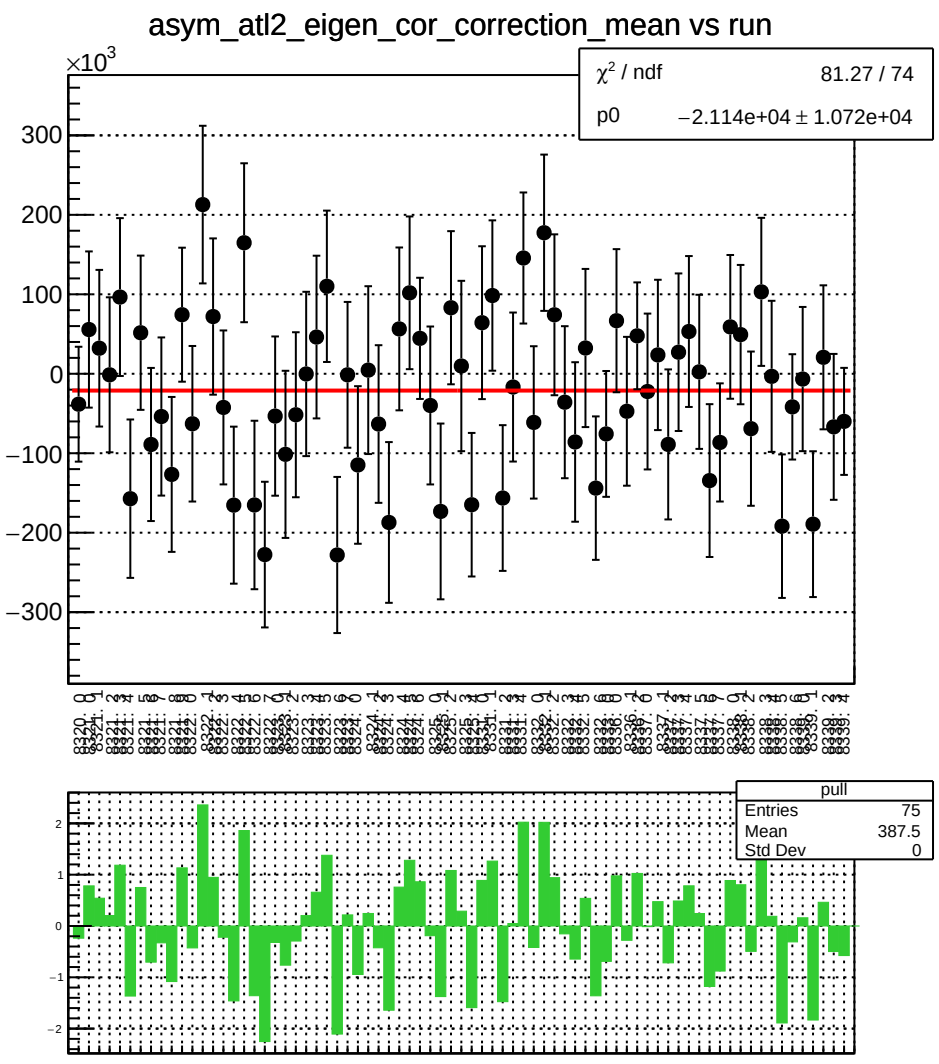

pull1D
Entries 75
Mean −0.002886
Std Dev 1.041

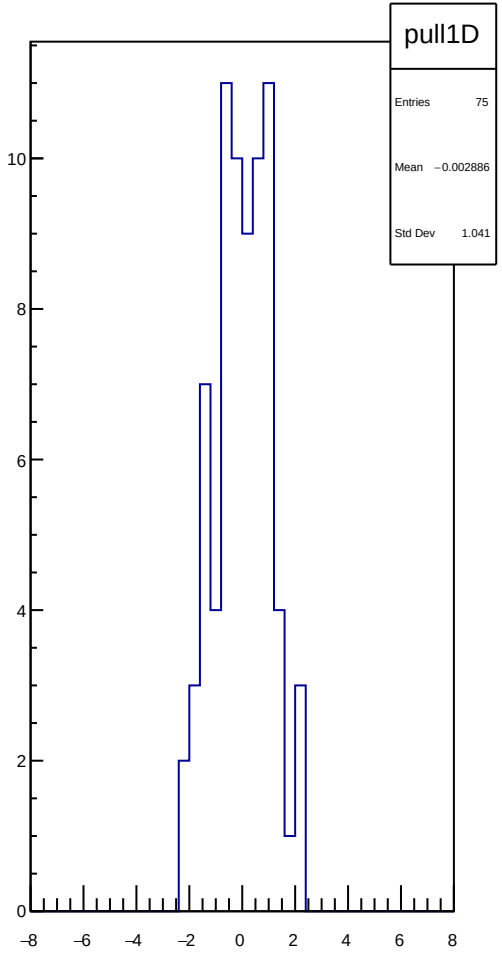

asym_atl2_cor_correction_rms vs run
χ² / ndf 2788 / 74
p0 9217 ± 7.583
10500
10000
9500
9000
8500

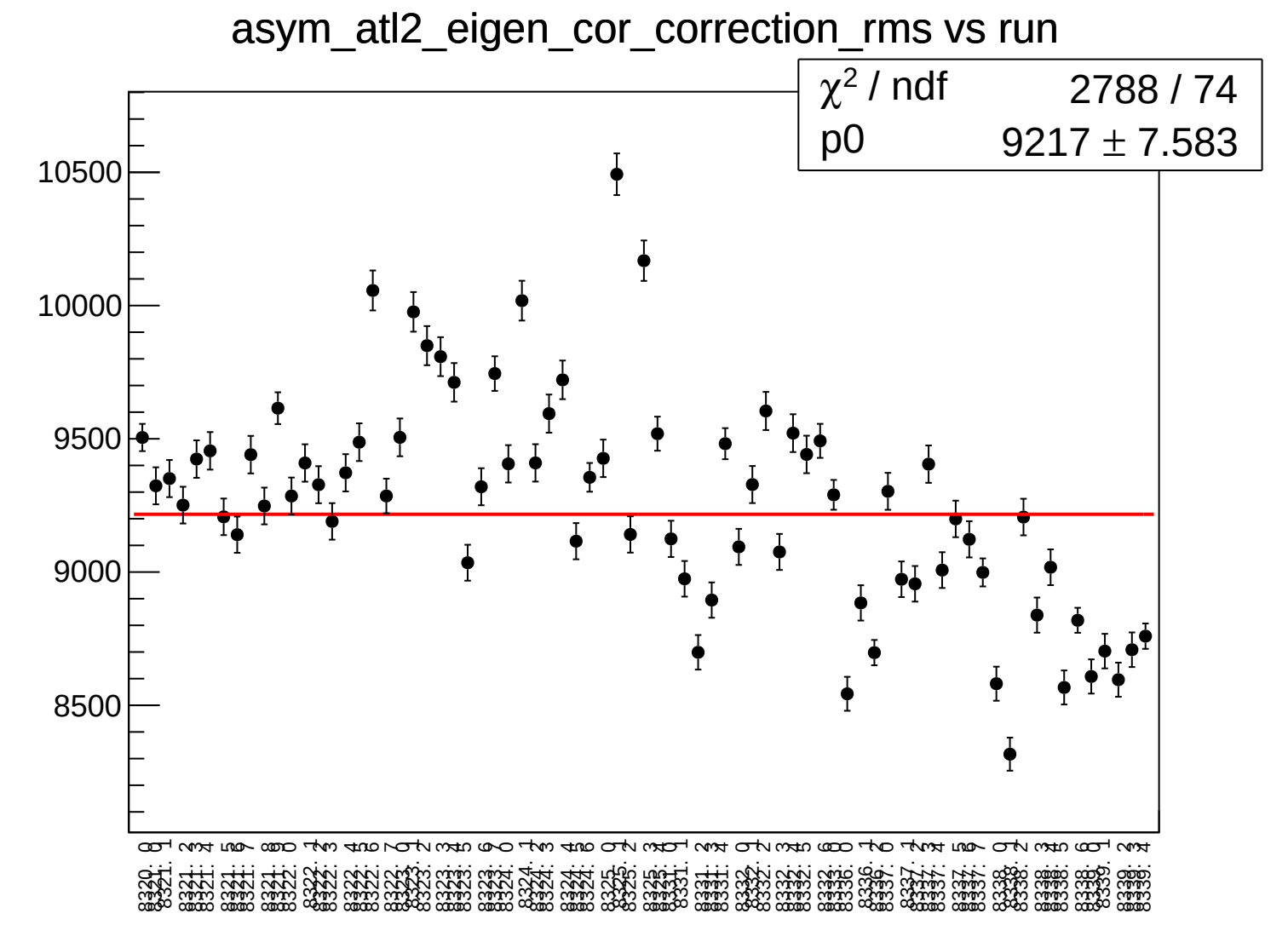

eigen_cor_asym_atl2_mean vs run
×10^3
χ² / ndf 63.8 / 74
p0 100.4 ± 2602
pull
Entries 75
Mean 634.4
Std Dev 0

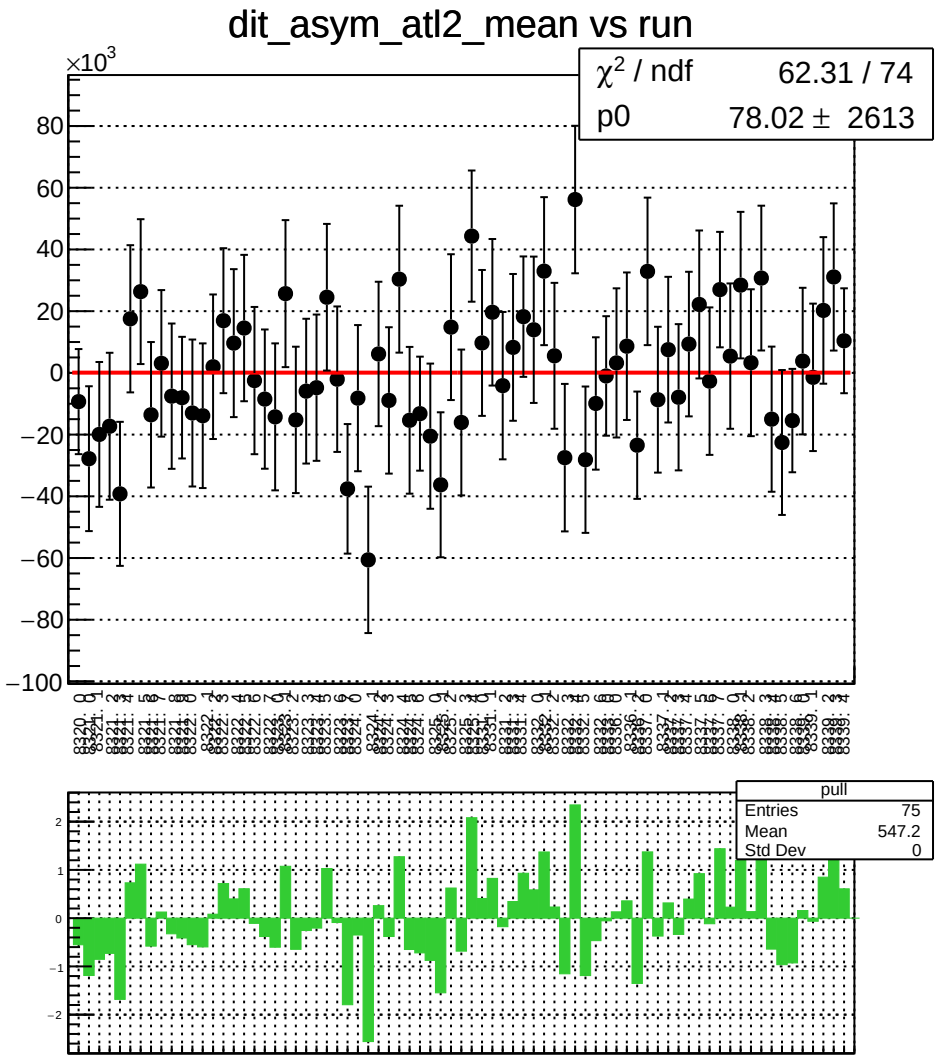

pull1D
Entries 75
Mean 0.008683
Std Dev 0.9223

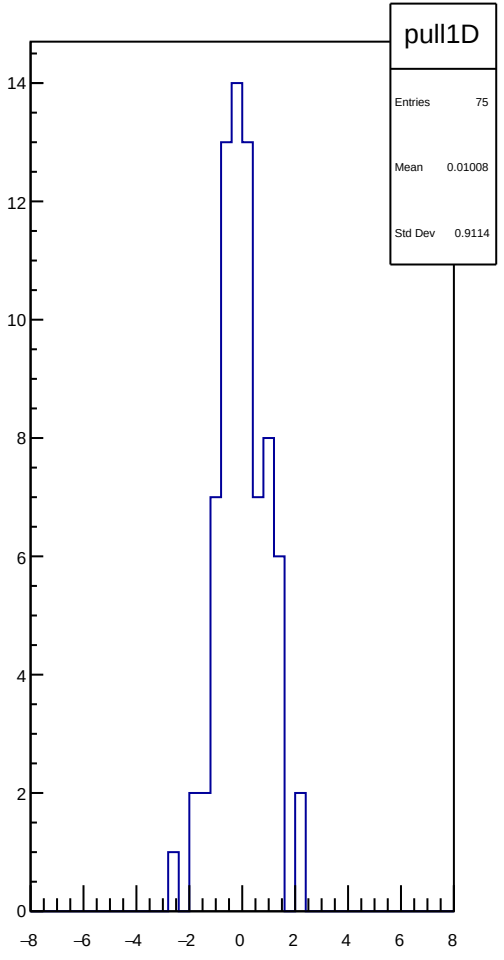

eigen_cor_asym_atl2_rms vs run
χ² / ndf 90.87 / 74
p0 2238 ± 1.84
2300
2280
2260
2240
2220
2200
2180

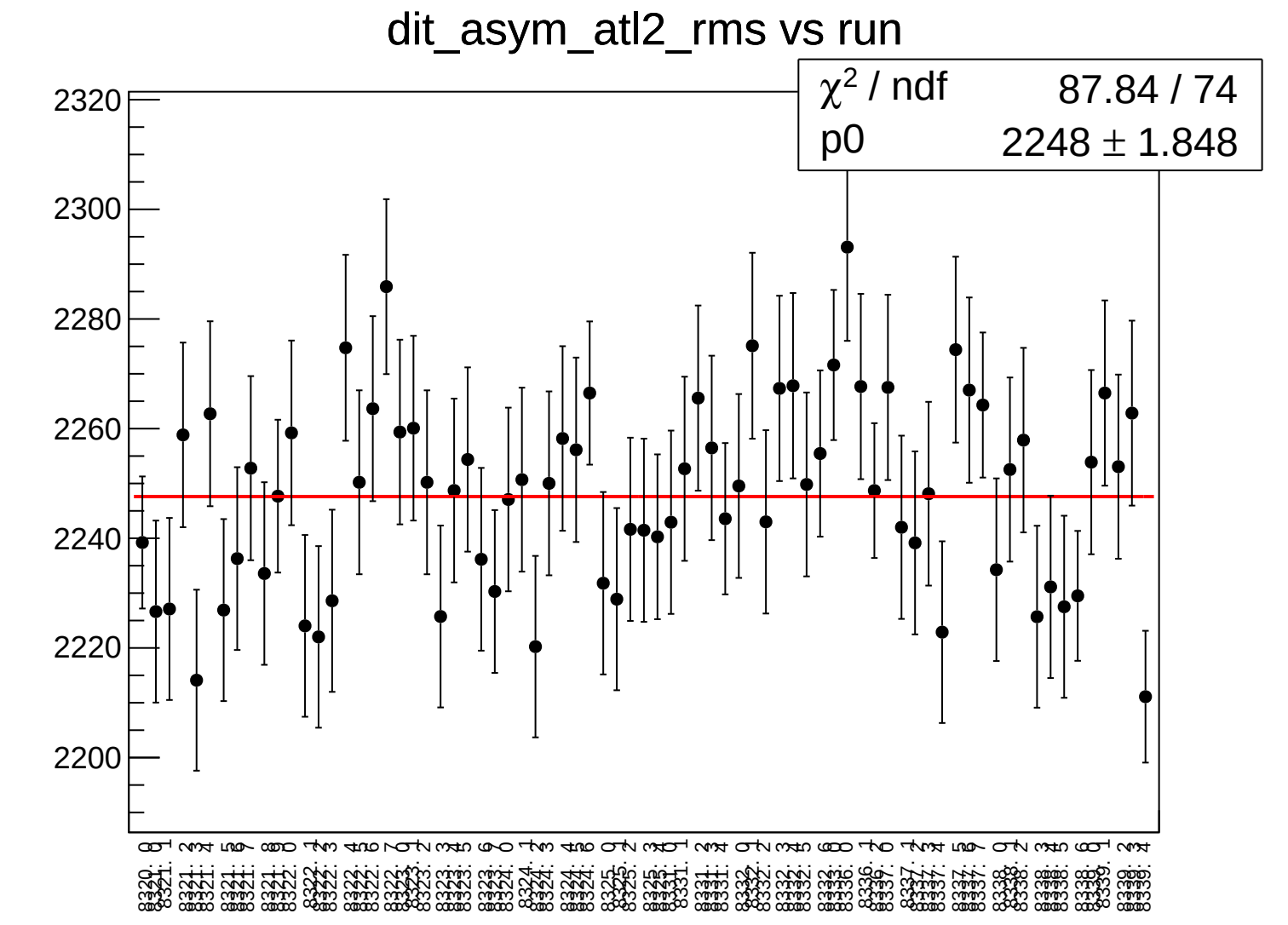

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.27 / 74
p0 −2.114e+04 ± 1.072e+04
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean 387.5
Std Dev 0
2
1
0
−1
−2

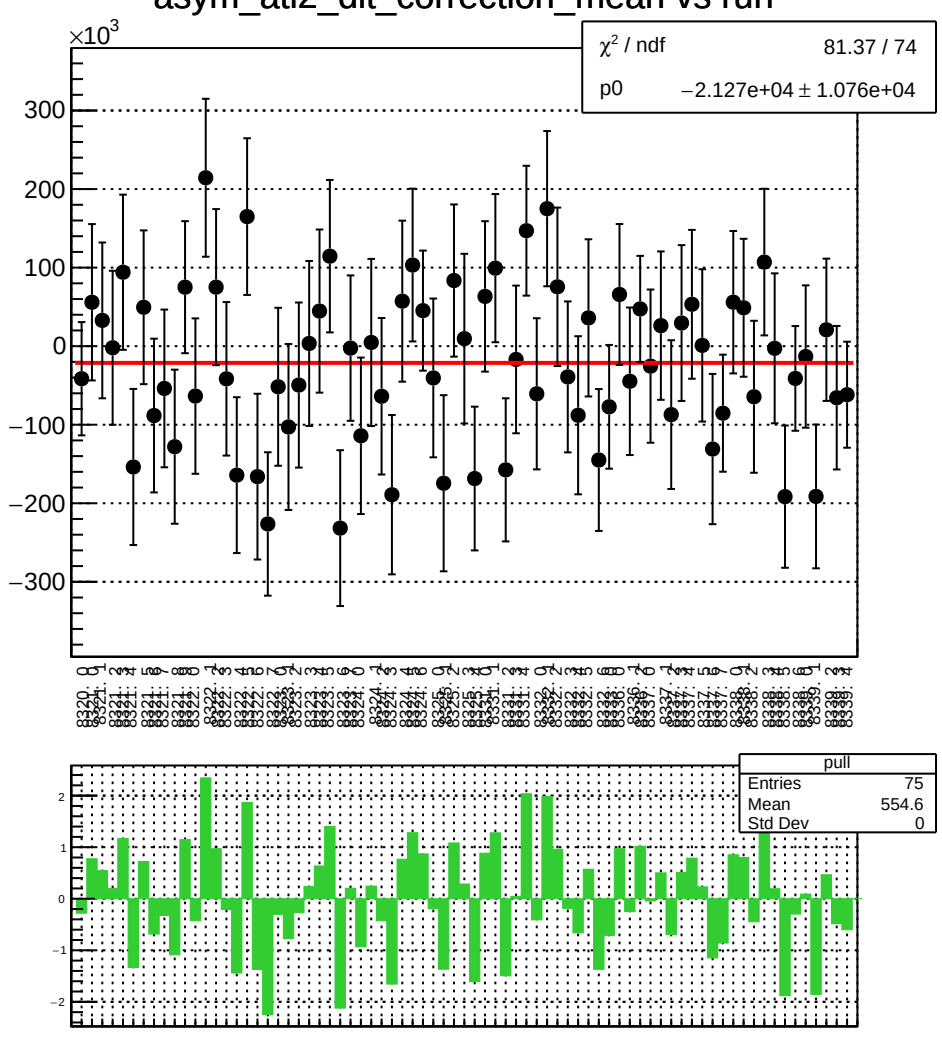

pull1D
Entries 75
Mean −0.002886
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

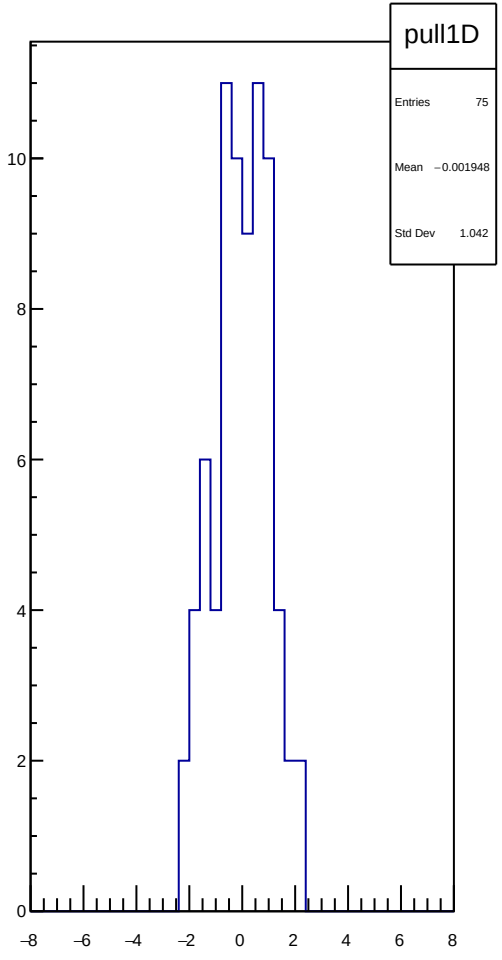

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 2788 / 74
p0 9217 ± 7.583
10500
10000
9500
9000
8500

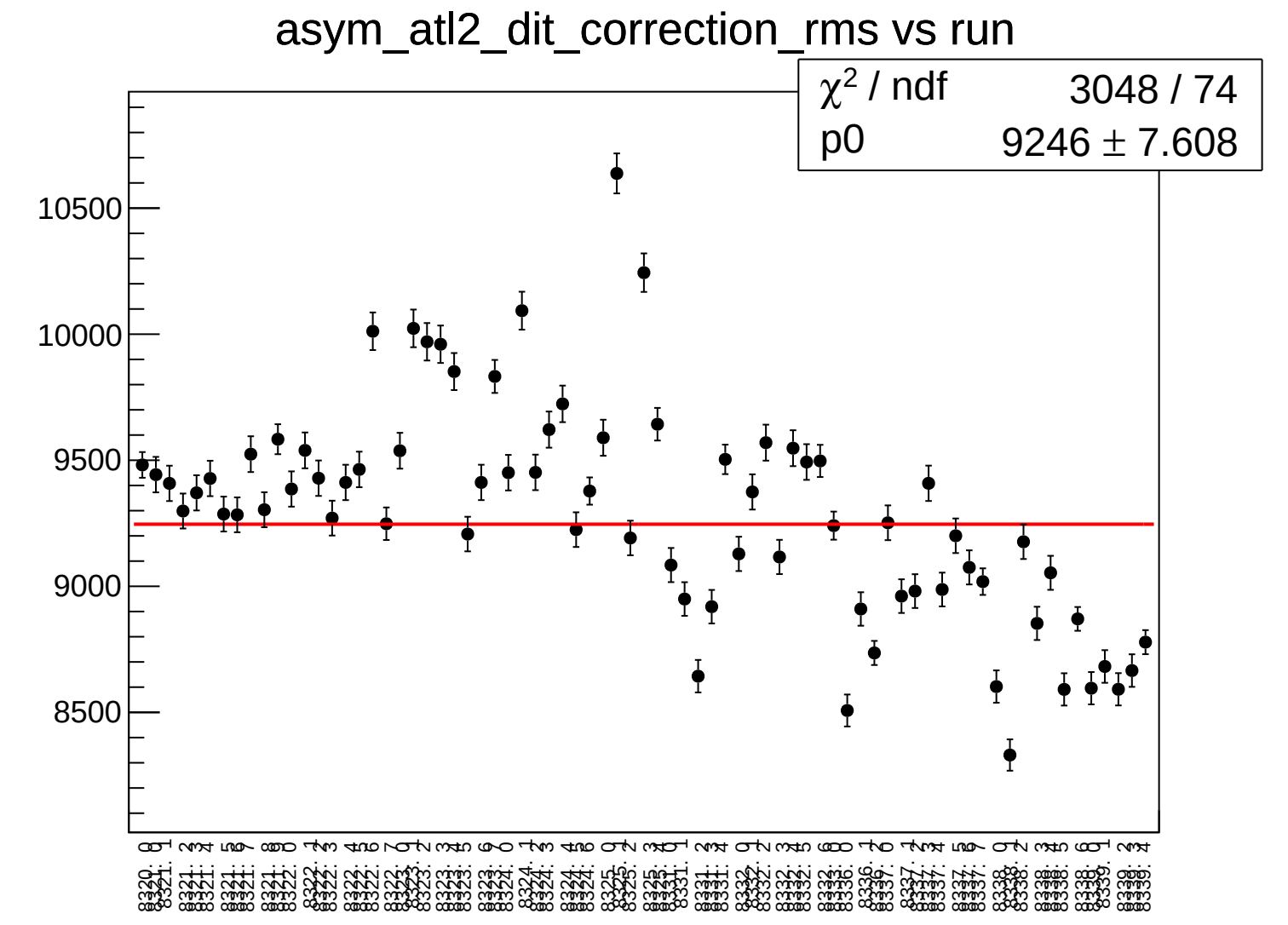

dit_asym_atl2_mean vs run
χ^2 / ndf 62.31 / 74
p0 78.02 ± 2613
pull
Entries 75
Mean 547.2
Std Dev 0

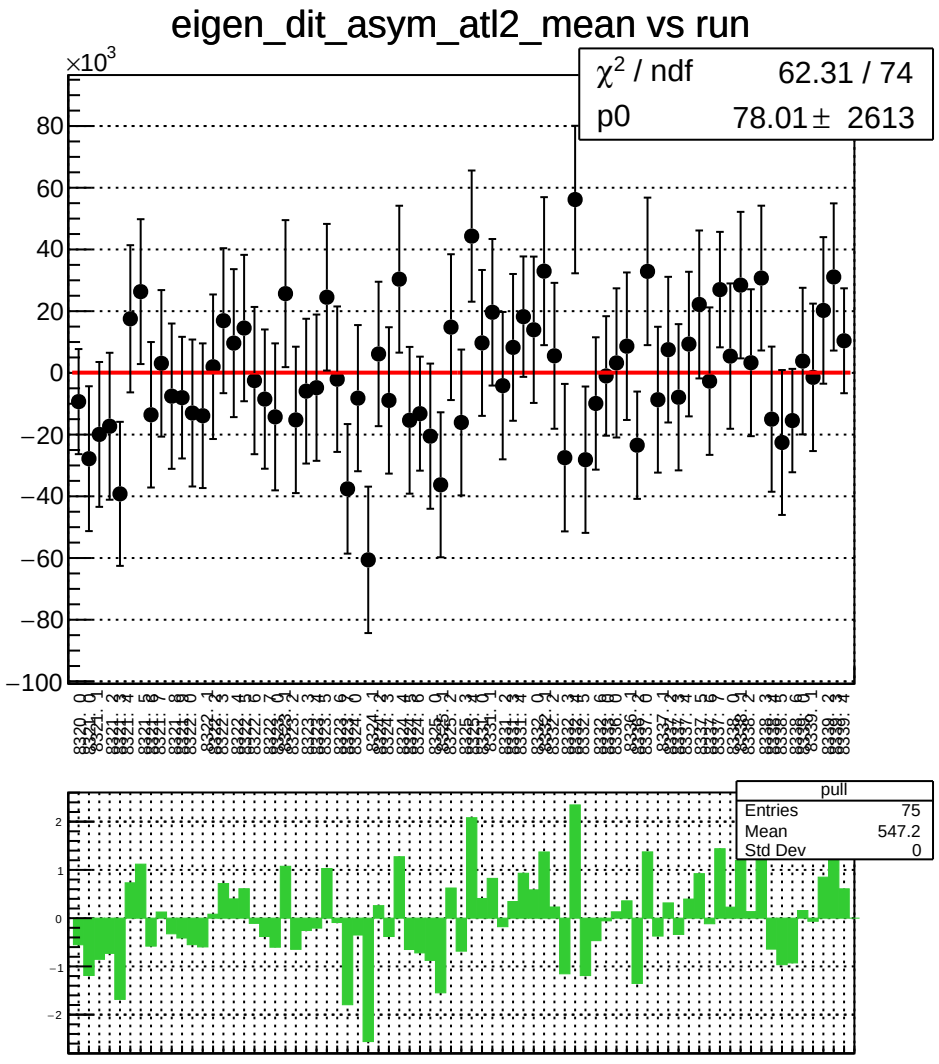

pull1D
Entries 75
Mean 0.01008
Std Dev 0.9114

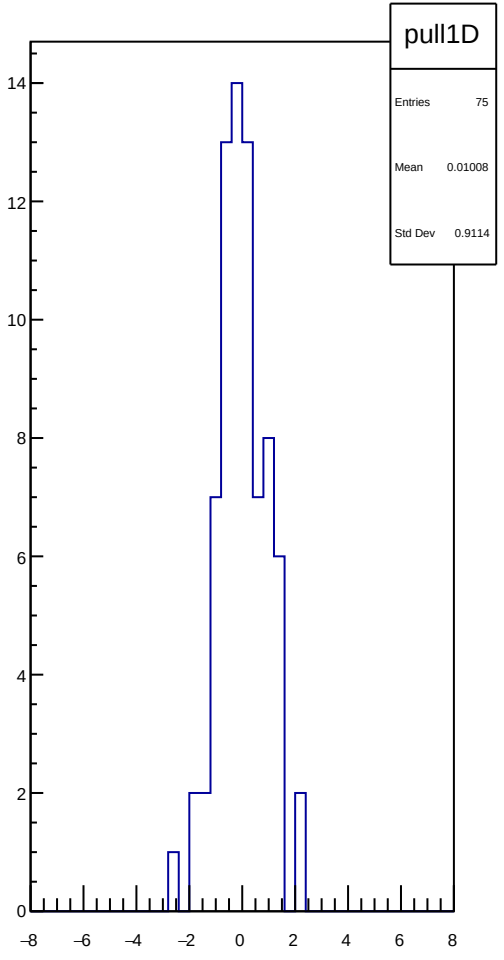

dit_asym_atl2_rms vs run
χ² / ndf 87.84 / 74
p0 2248 ± 1.848
2320
2300
2280
2260
2240
2220
2200

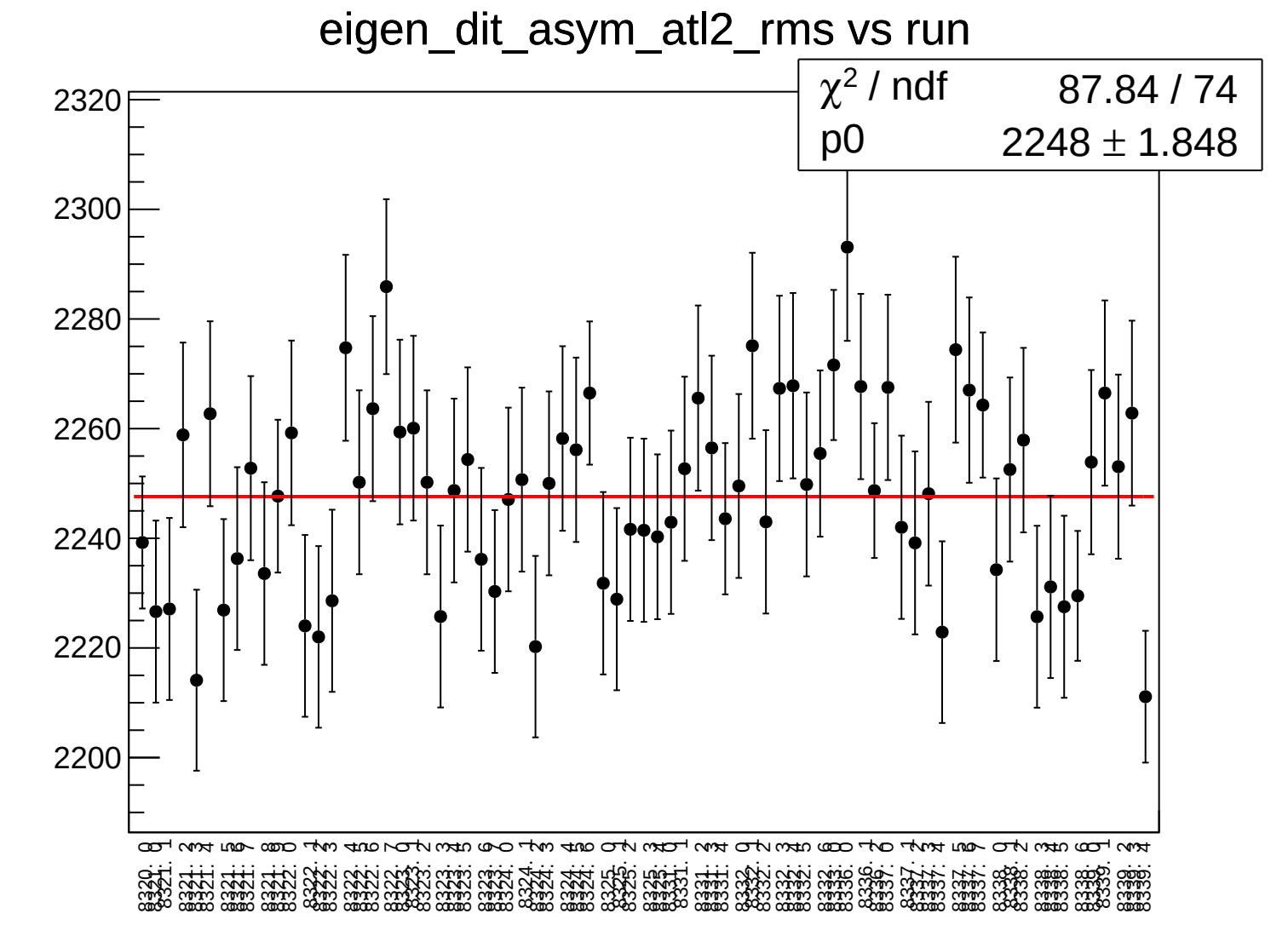

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 81.37 / 74
p0 −2.127e+04 ± 1.076e+04
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean 554.6
Std Dev 0
2
1
0
−1
−2

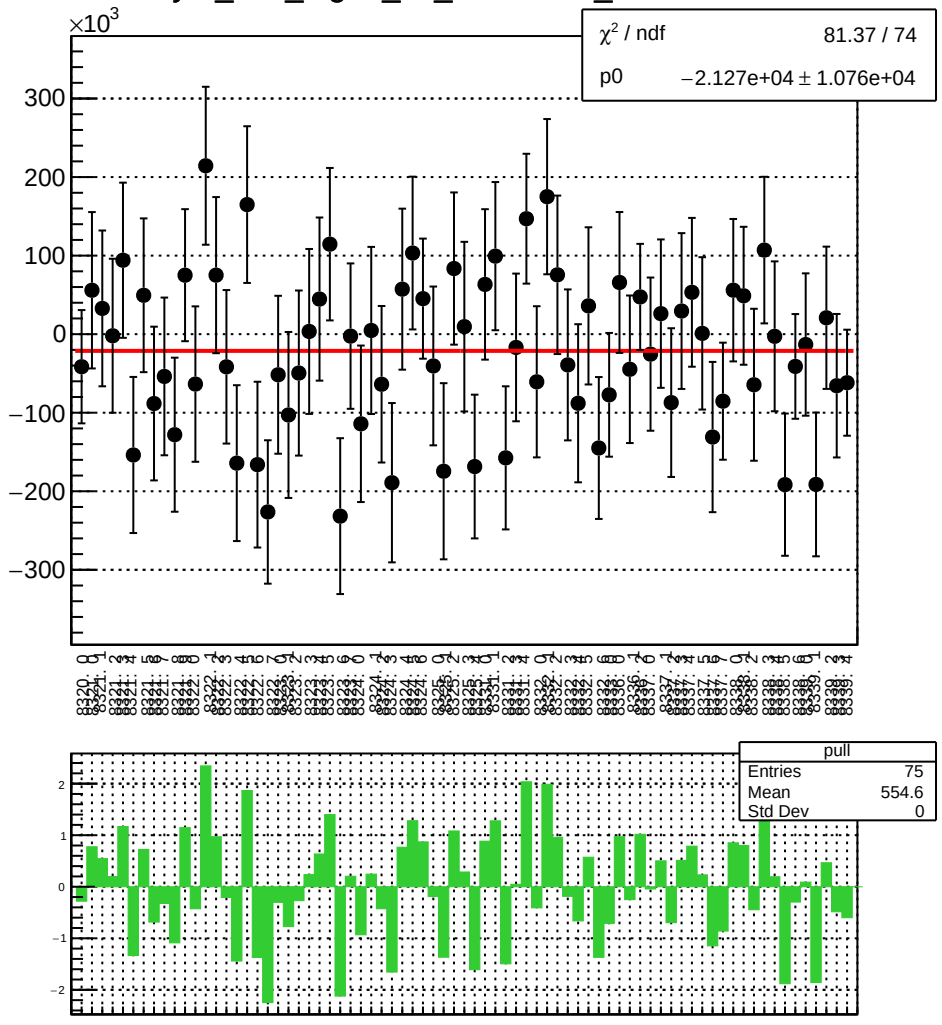

pull1D
Entries 75
Mean −0.001948
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

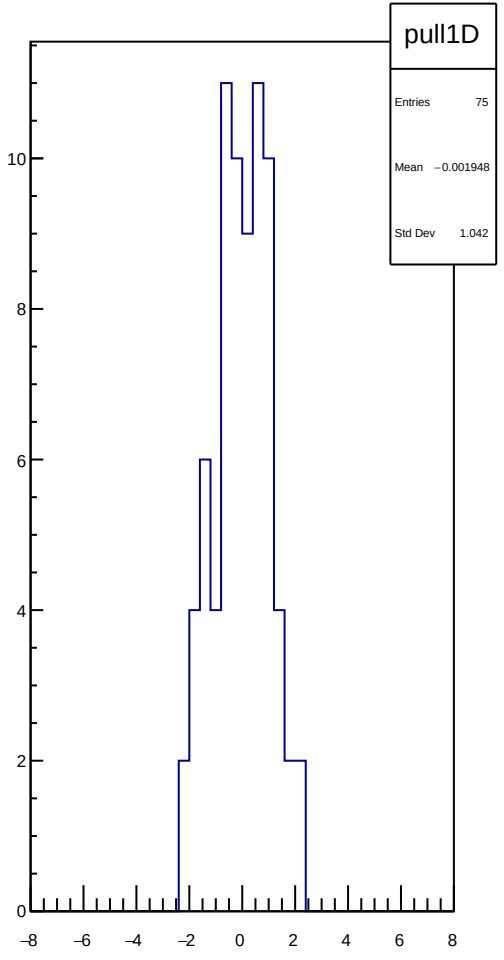

asym_atl2_dit_correction_rms vs run
χ² / ndf 3048 / 74
p0 9246 ± 7.608
10500
10000
9500
9000
8500

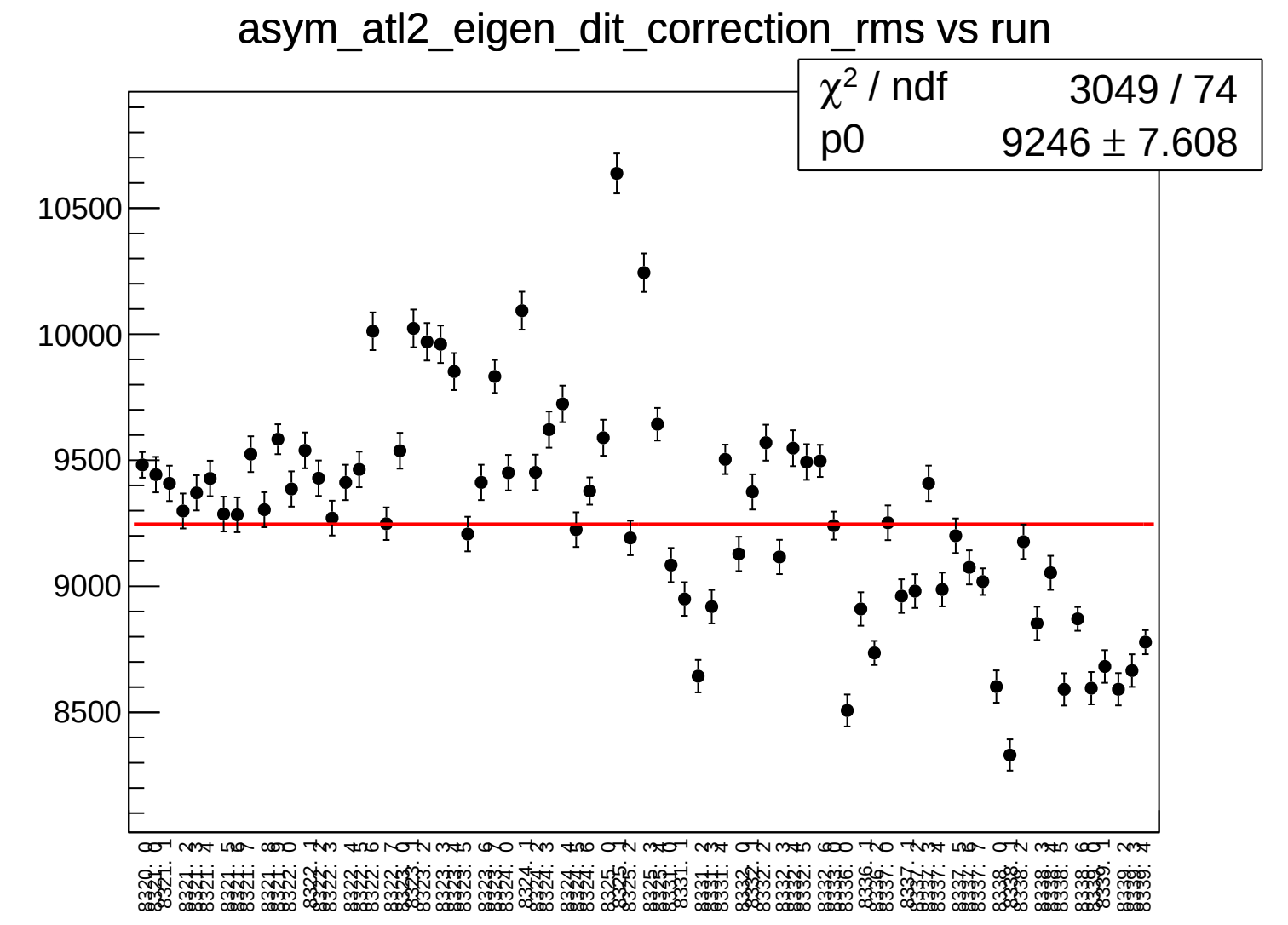

eigen_dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 62.31 / 74
p0 78.01 ± 2613
pull
Entries 75
Mean 547.2
Std Dev 0

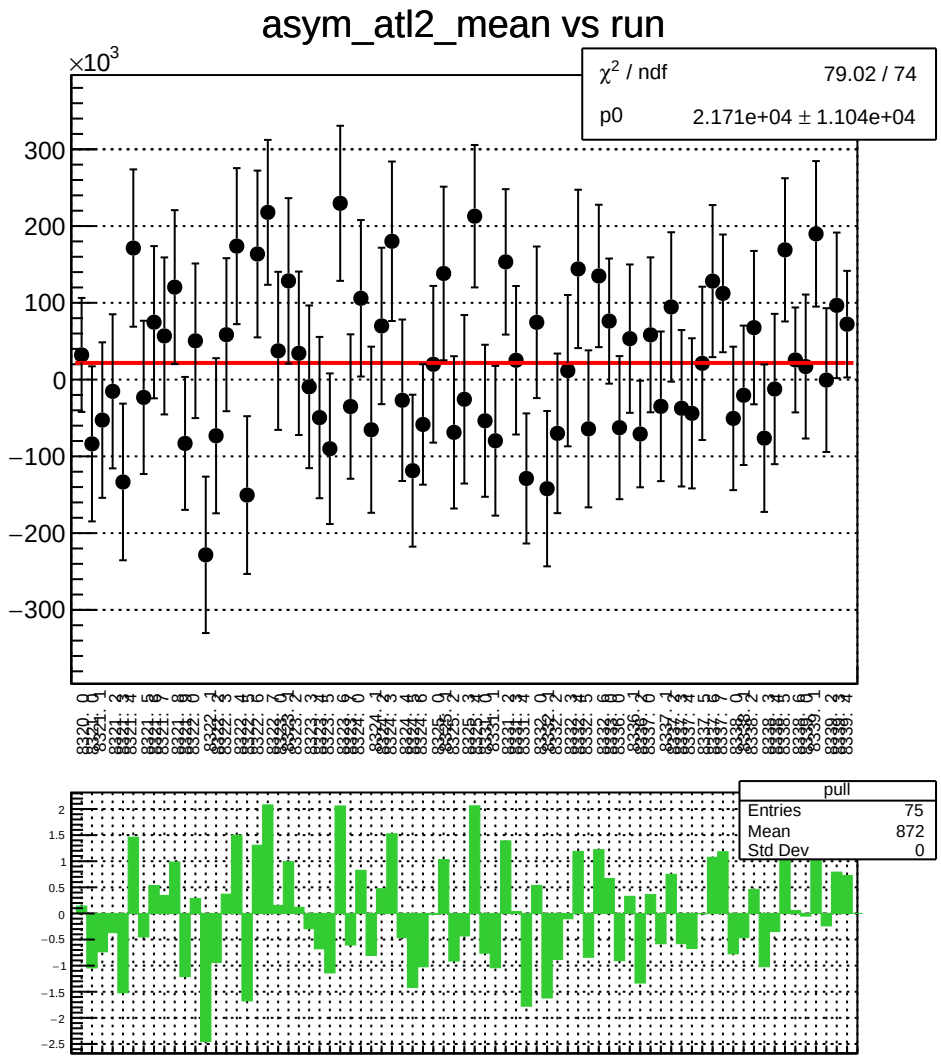

pull1D
Entries 75
Mean 0.01008
Std Dev 0.9114

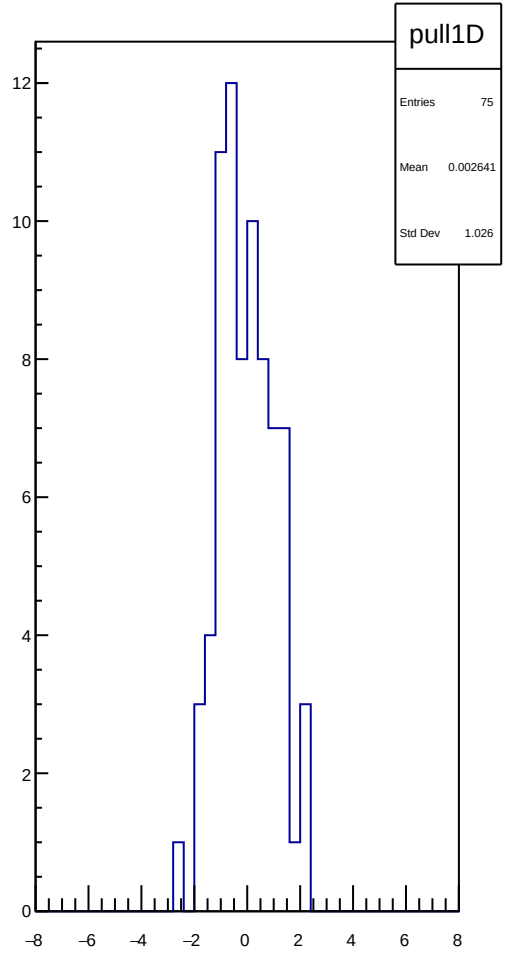

eigen_dit_asym_atl2_rms vs run
χ^2 / ndf 87.84 / 74
p0 2248 ± 1.848
2320
2300
2280
2260
2240
2220
2200


asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.37 / 74
p0 −2.127e+04 ± 1.076e+04
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean 554.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.001948
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 3049 / 74
p0 9246 ± 7.608
10500
10000
9500
9000
8500


asym_atl2_mean vs run
×10^3
χ² / ndf 79.02 / 74
p0 2.171e+04 ± 1.104e+04
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean 872
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 75
Mean 0.002641
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
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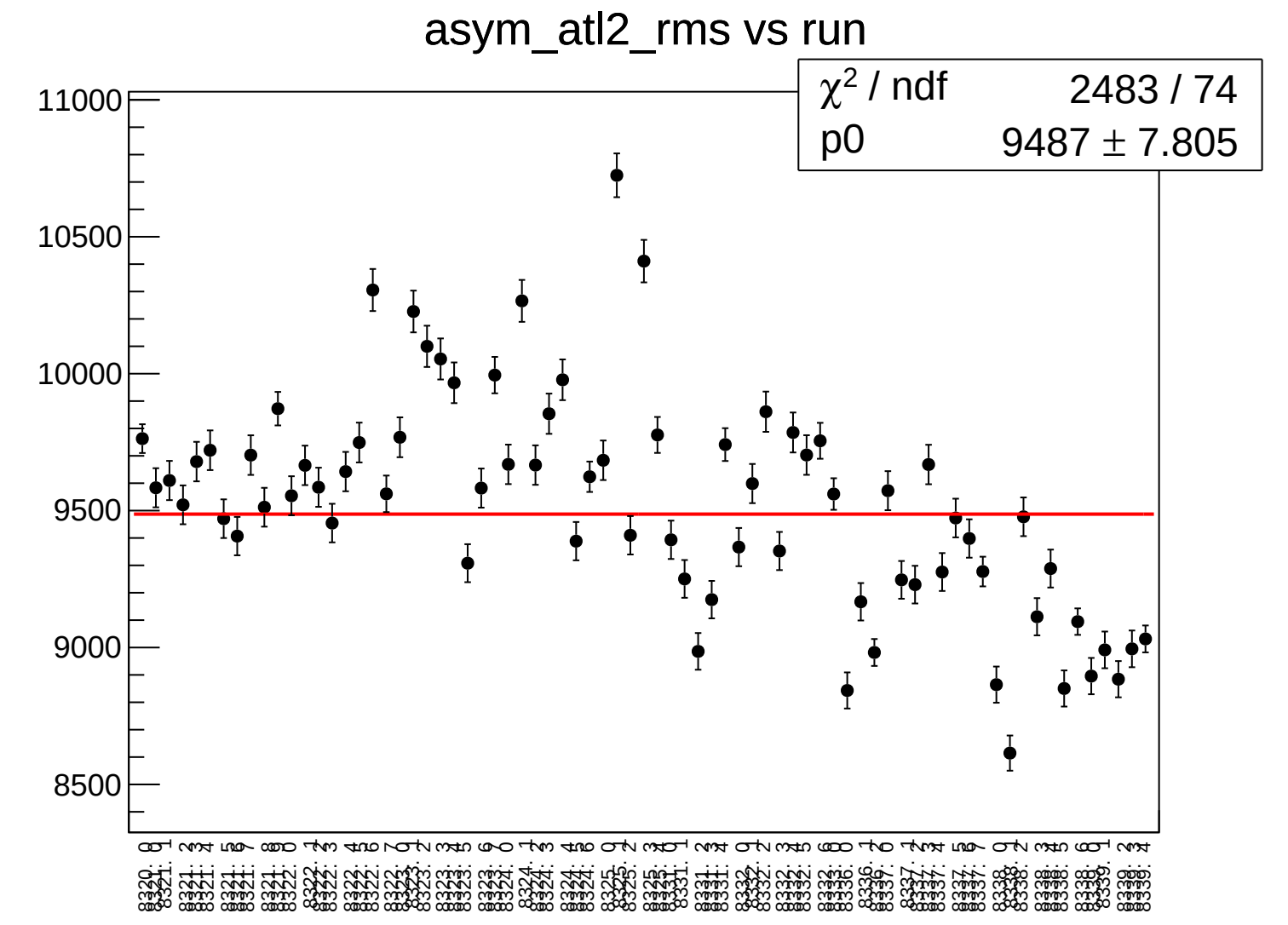
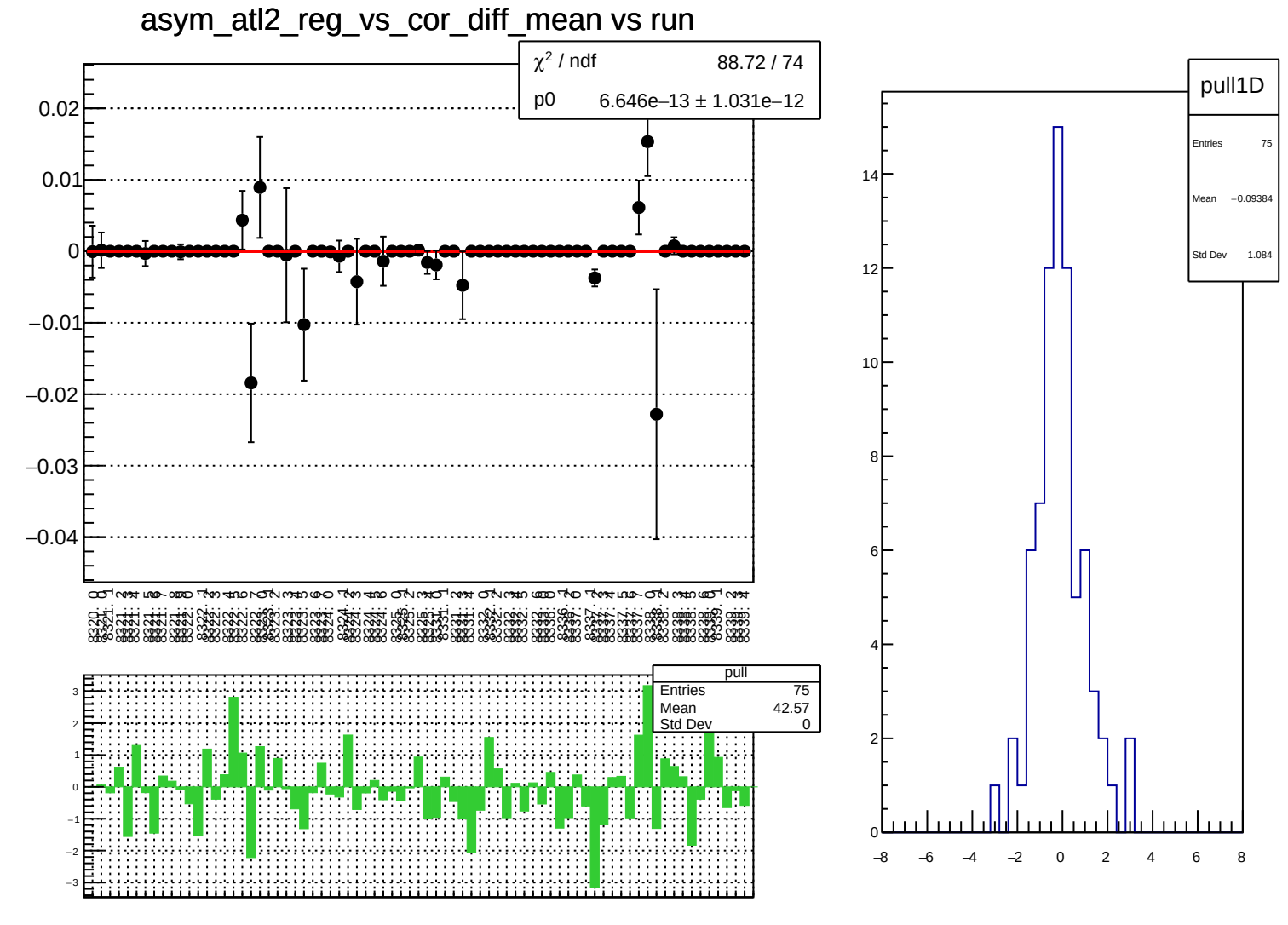
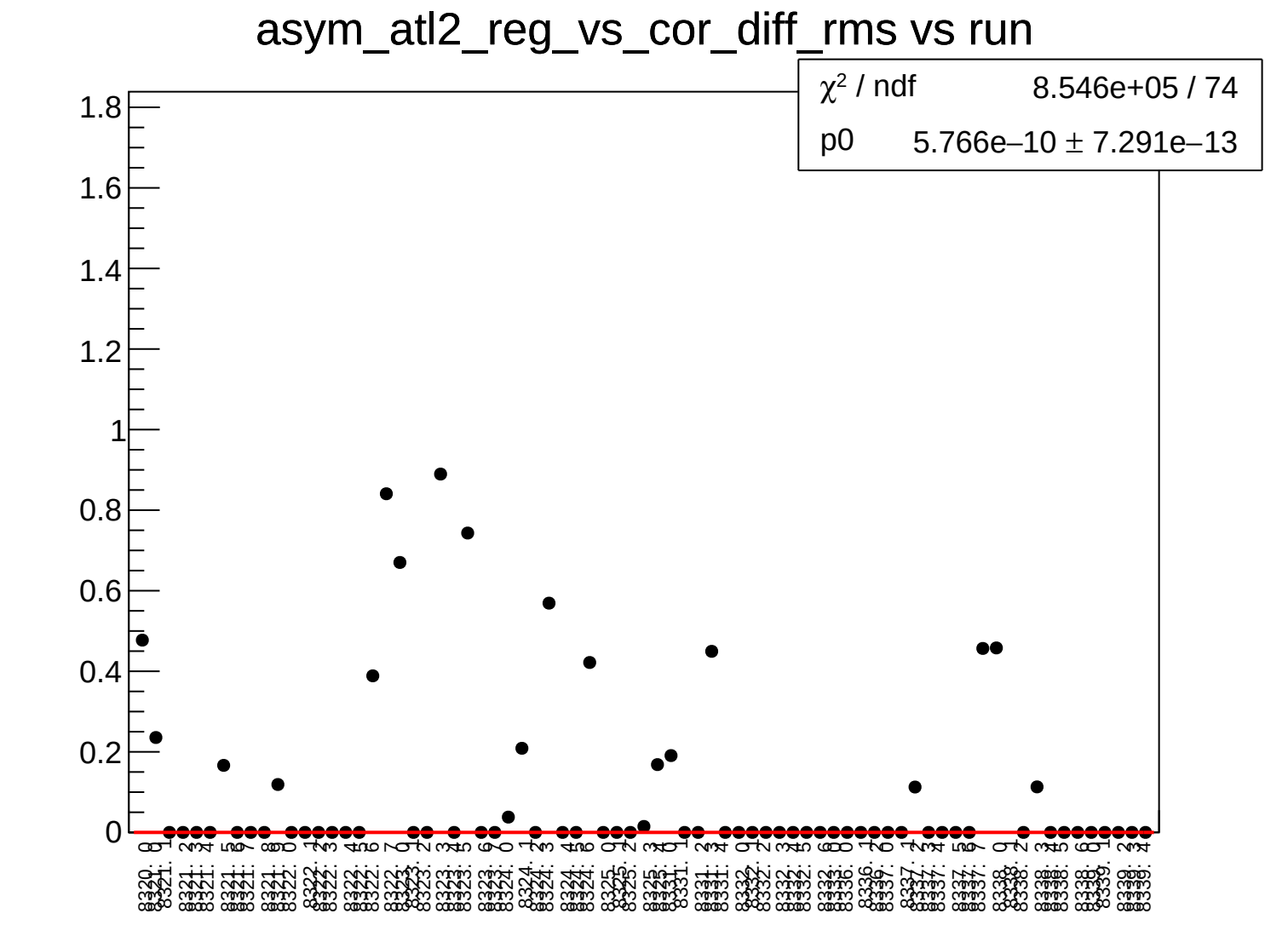
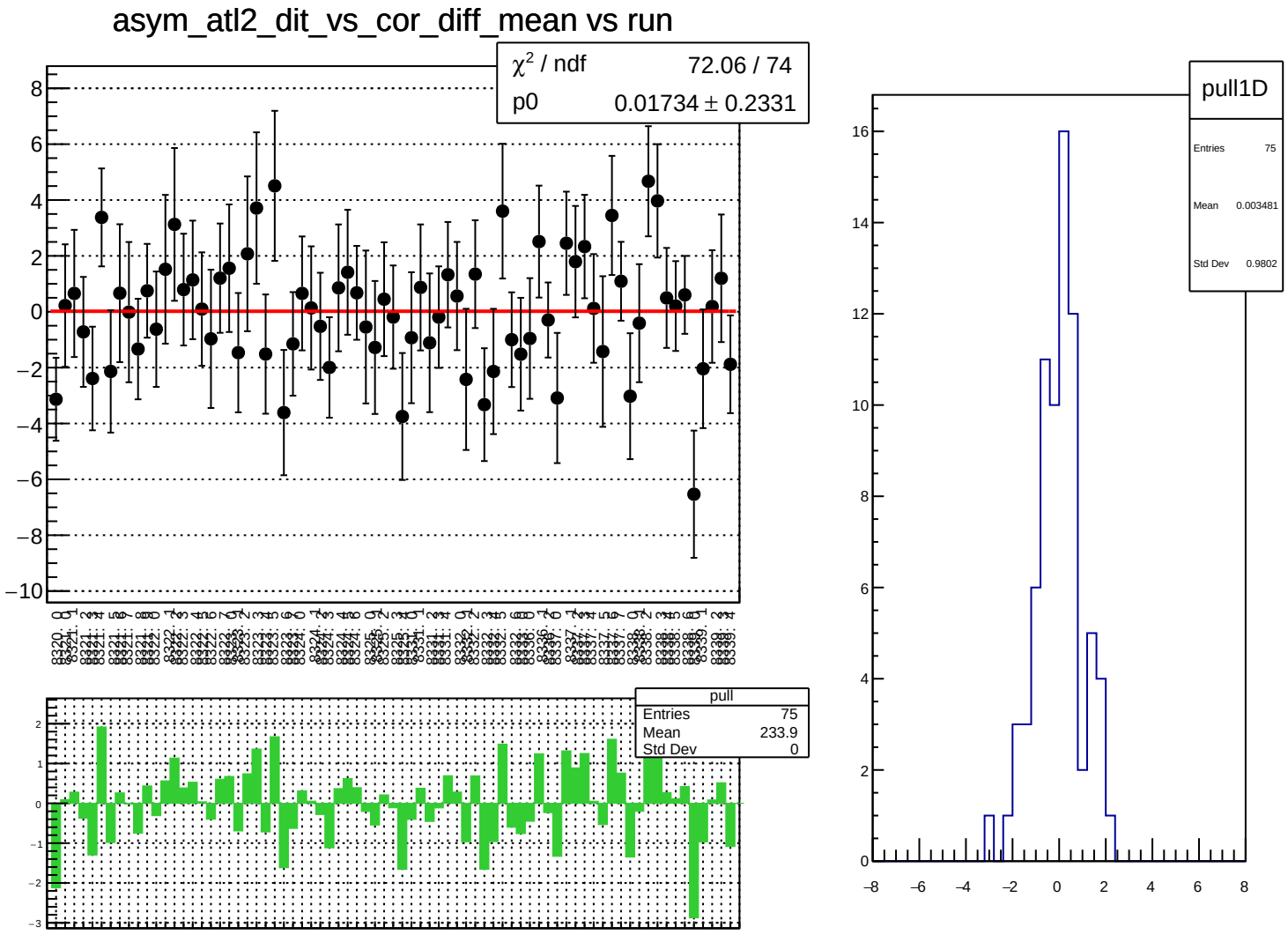
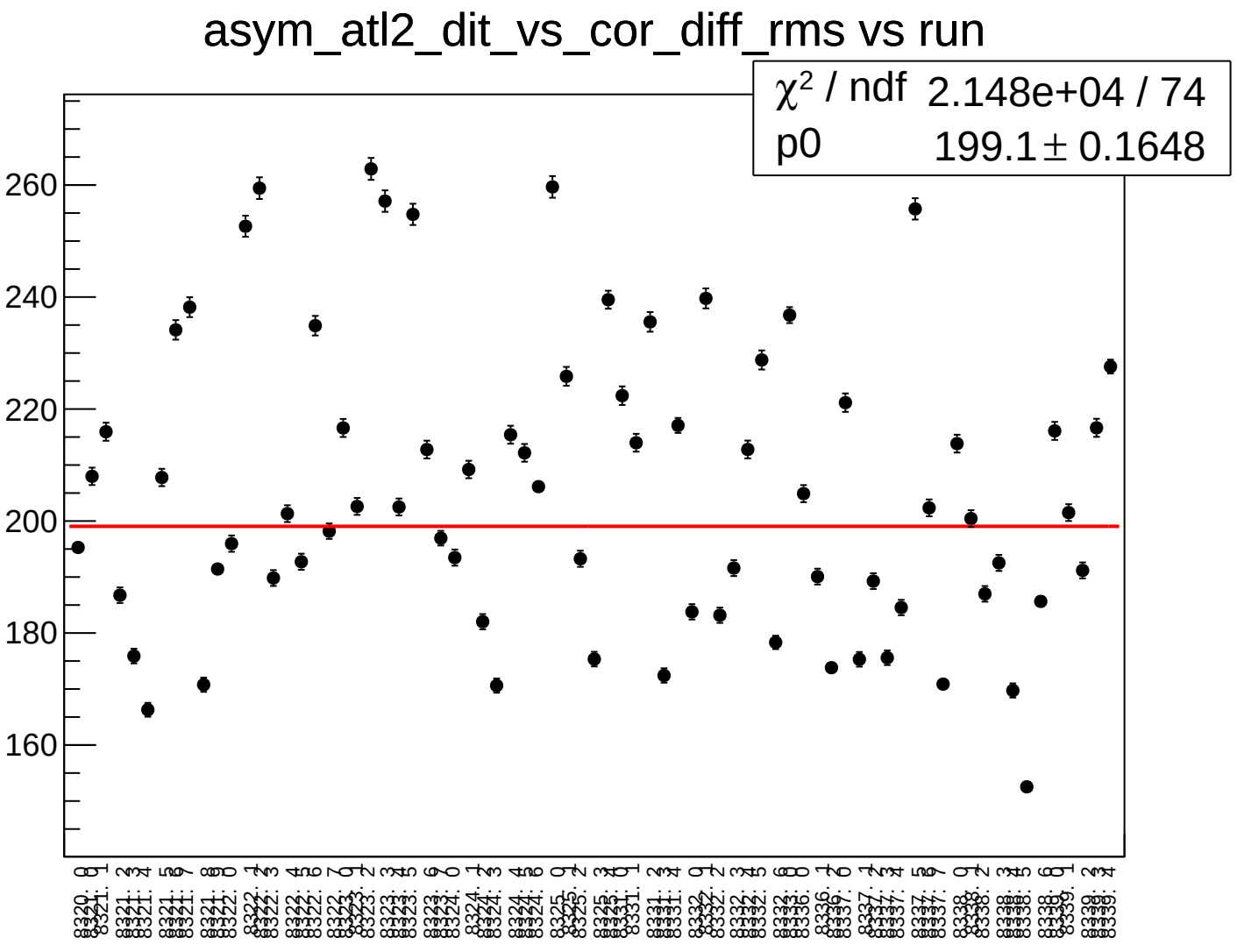
0
2
4
6
8

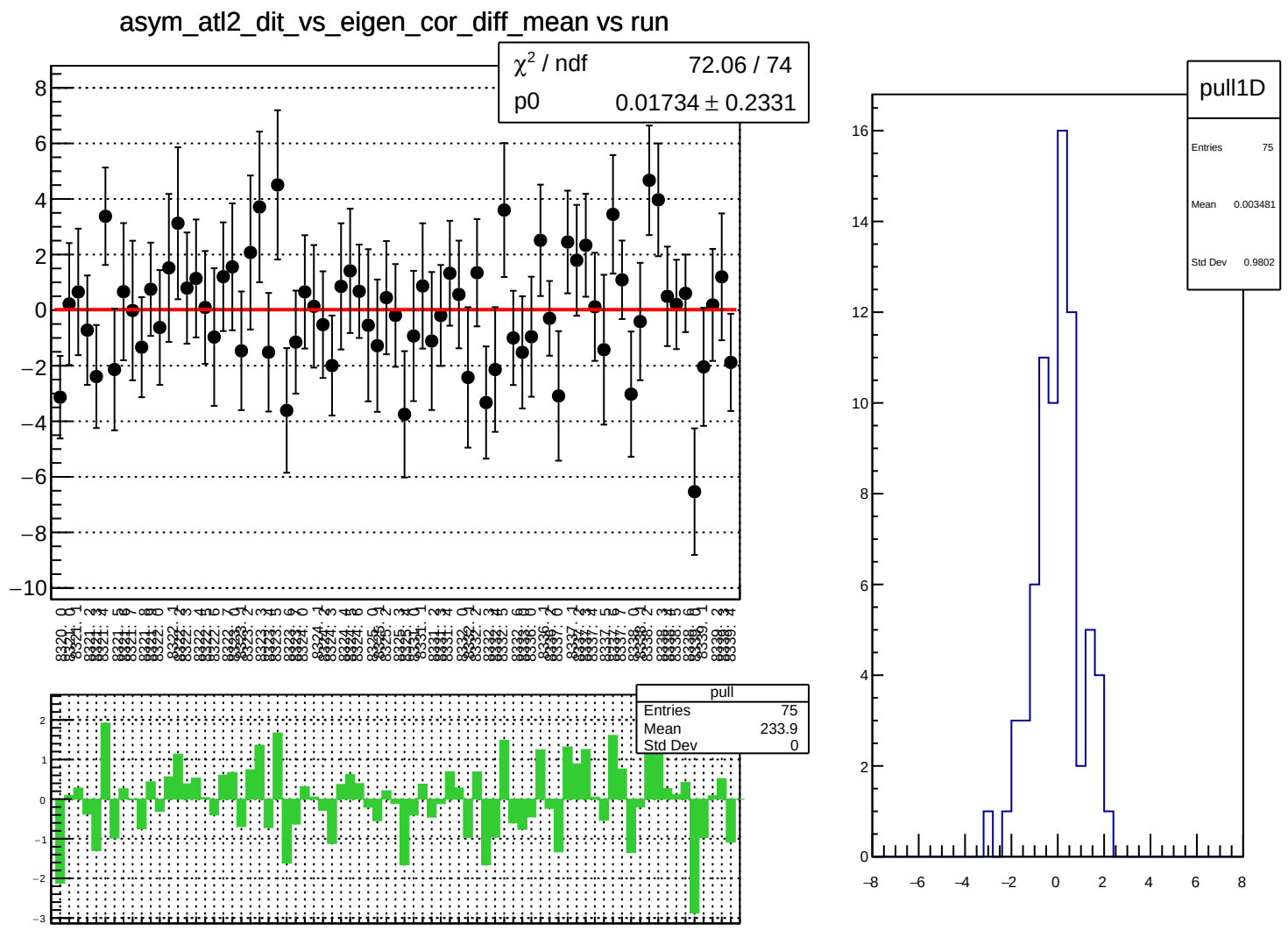

asym_atl2_rms vs run
χ² / ndf 2483 / 74
p0 9487 ± 7.805
11000
10500
10000
9500
9000
8500

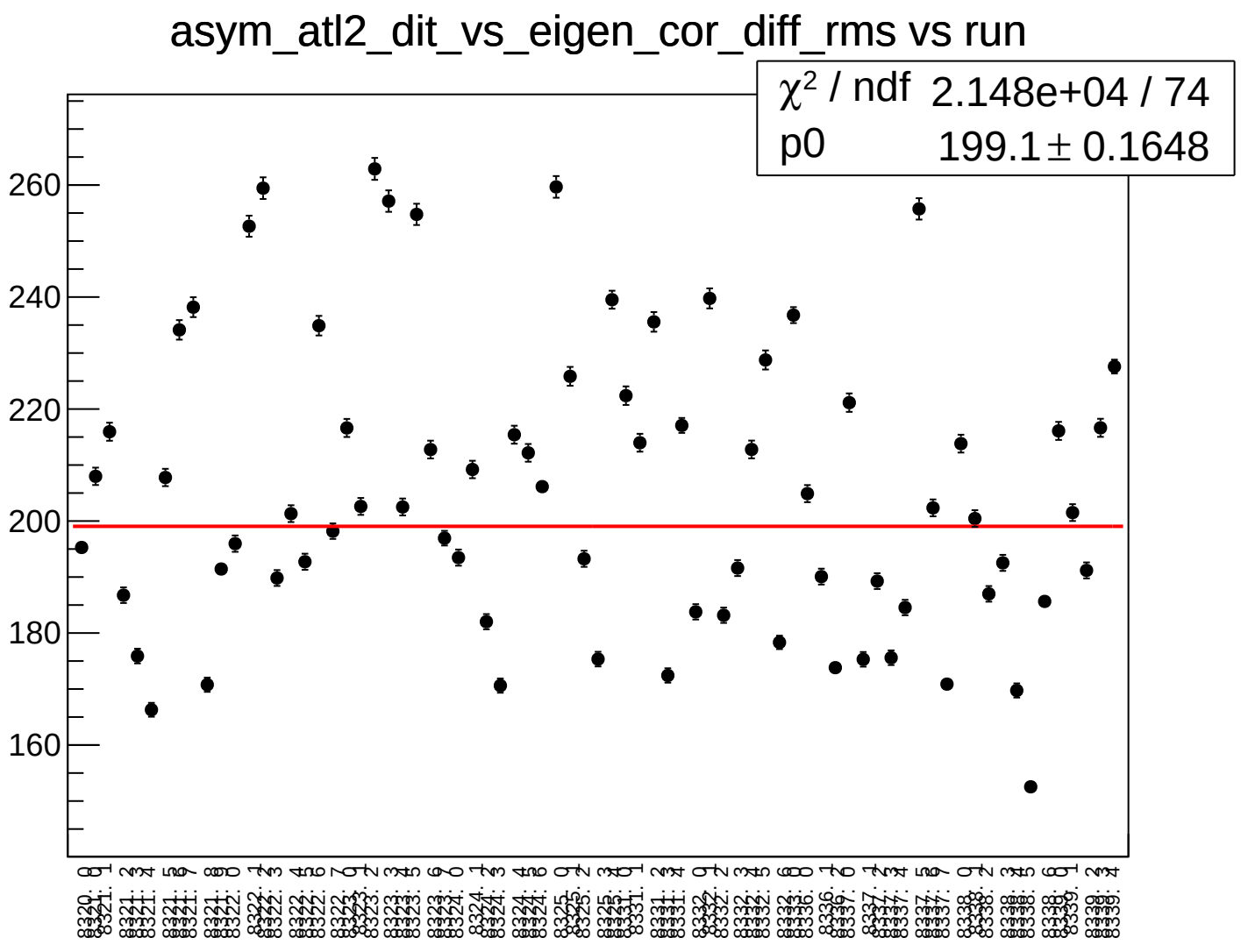

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 88.72 / 74
p0 6.646e−13 ± 1.031e−12
pull
Entries 75
Mean 42.57
Std Dev 0
pull1D
Entries 75
Mean −0.09384
Std Dev 1.084

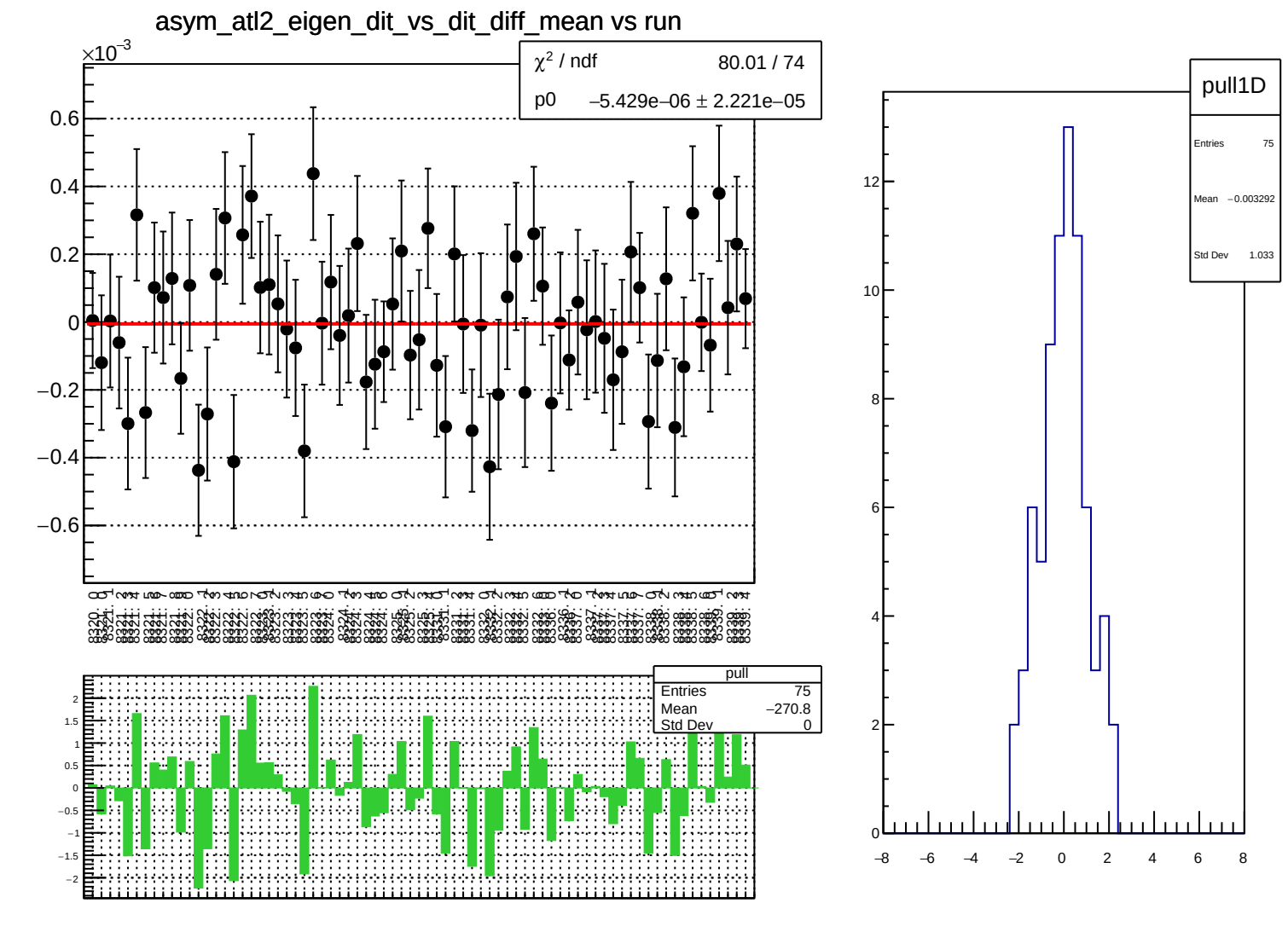

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.546e+05 / 74
p0 5.766e−10 ± 7.291e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

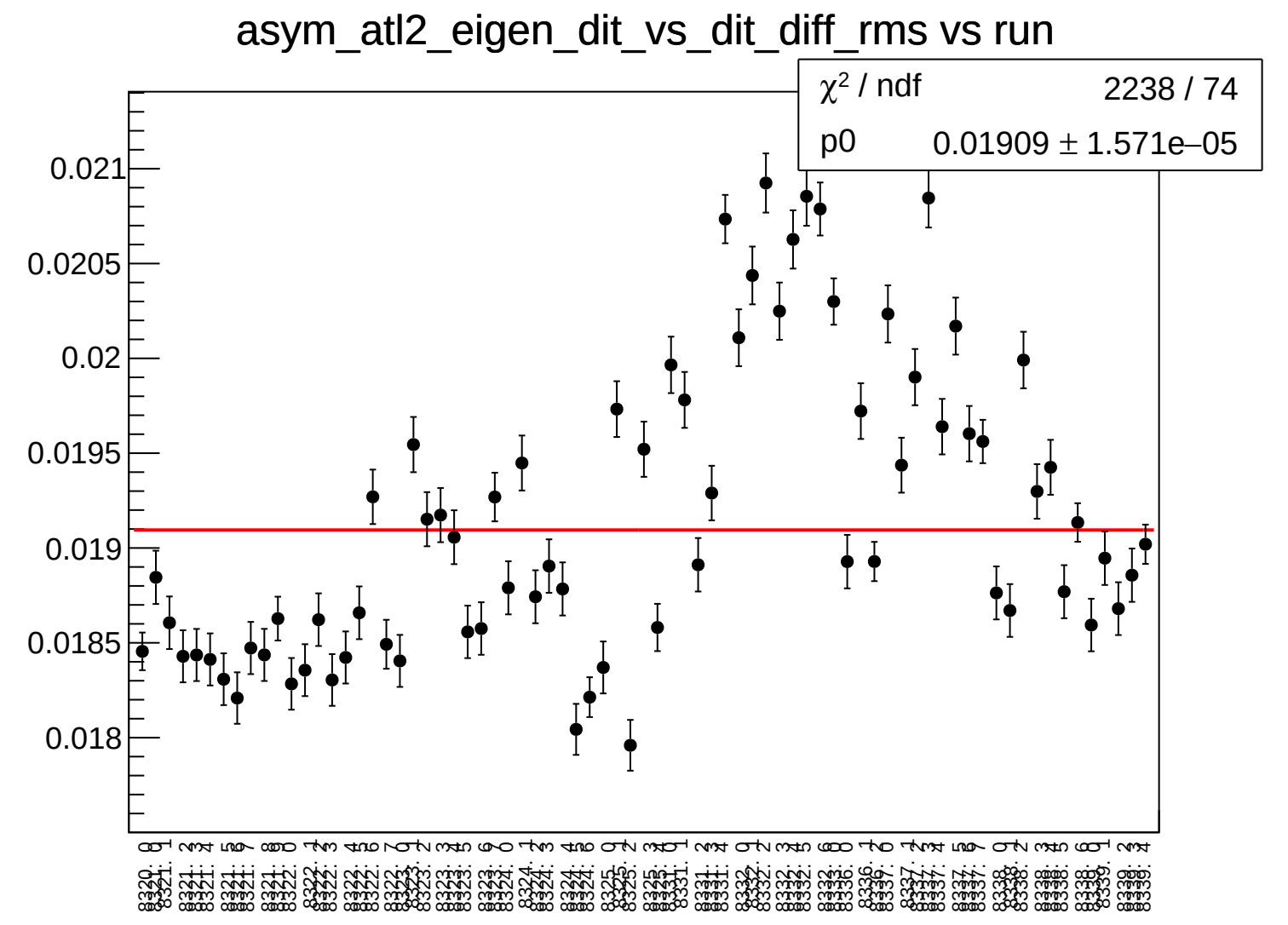

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 72.06 / 74
p0 0.01734 ± 0.2331
pull
Entries 75
Mean 233.9
Std Dev 0
pull1D
Entries 75
Mean 0.003481
Std Dev 0.9802

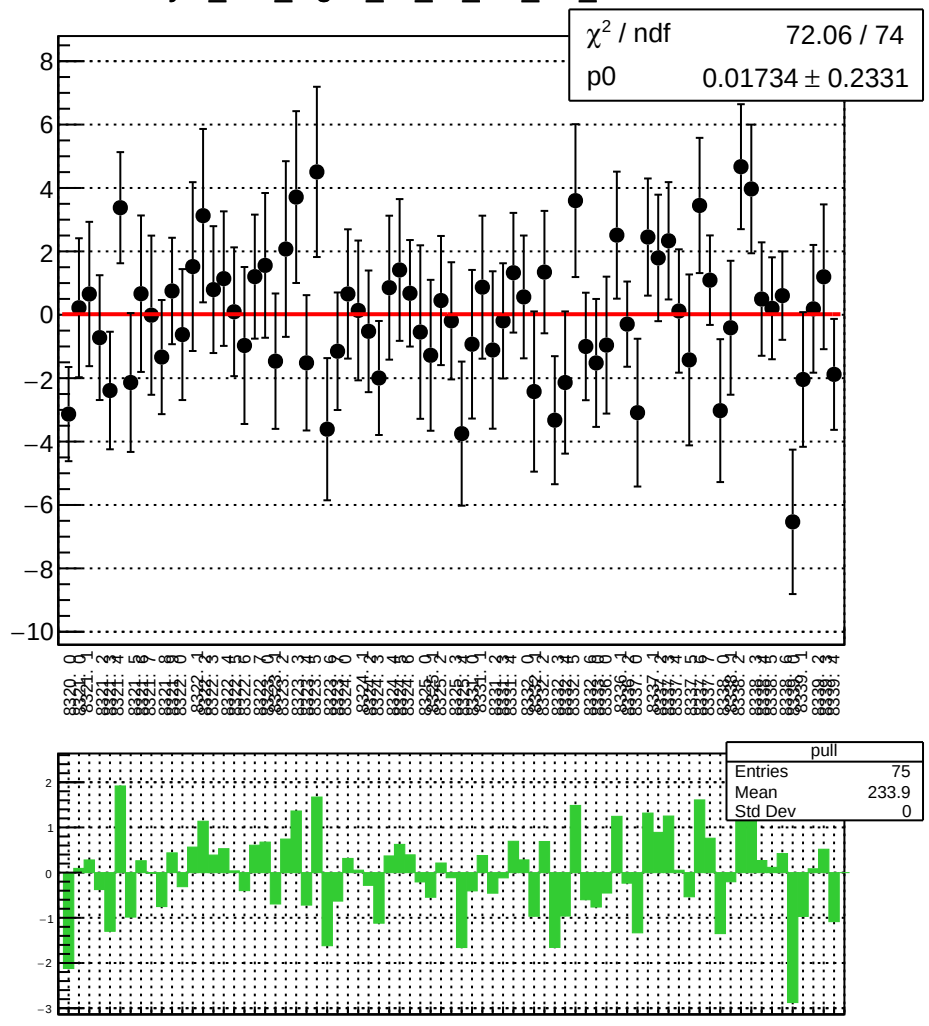

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.148e+04 / 74
p0 199.1 ± 0.1648
260
240
220
200
180
160

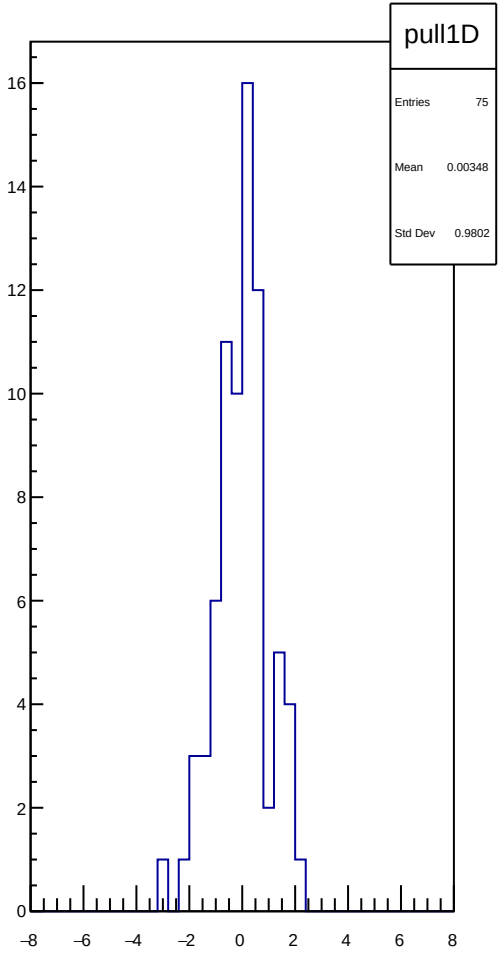

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.06 / 74
p0 0.01734 ± 0.2331
pull
Entries 75
Mean 233.9
Std Dev 0
pull1D
Entries 75
Mean 0.003481
Std Dev 0.9802

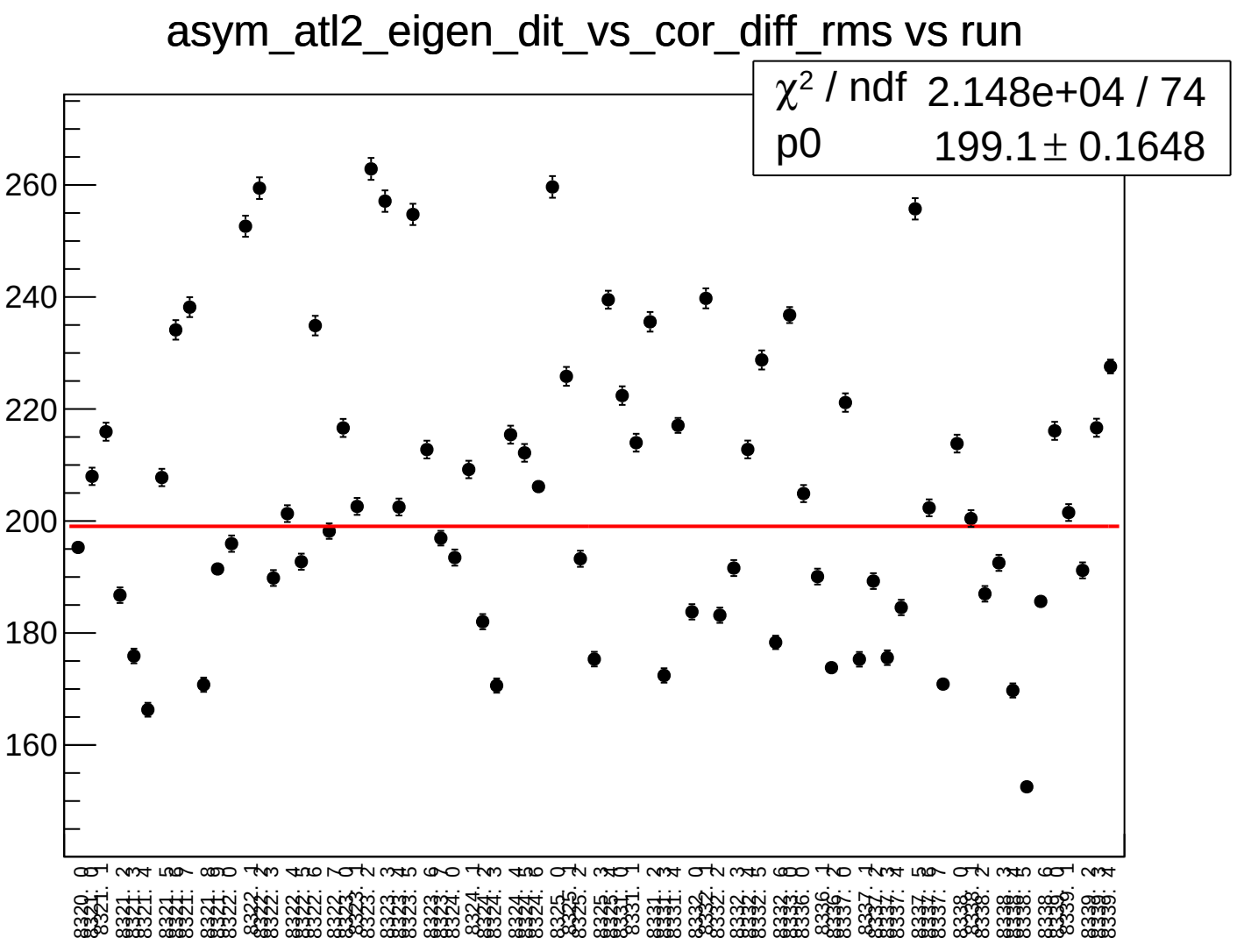

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.148e+04 / 74
p0 199.1 ± 0.1648
260
240
220
200
180
160

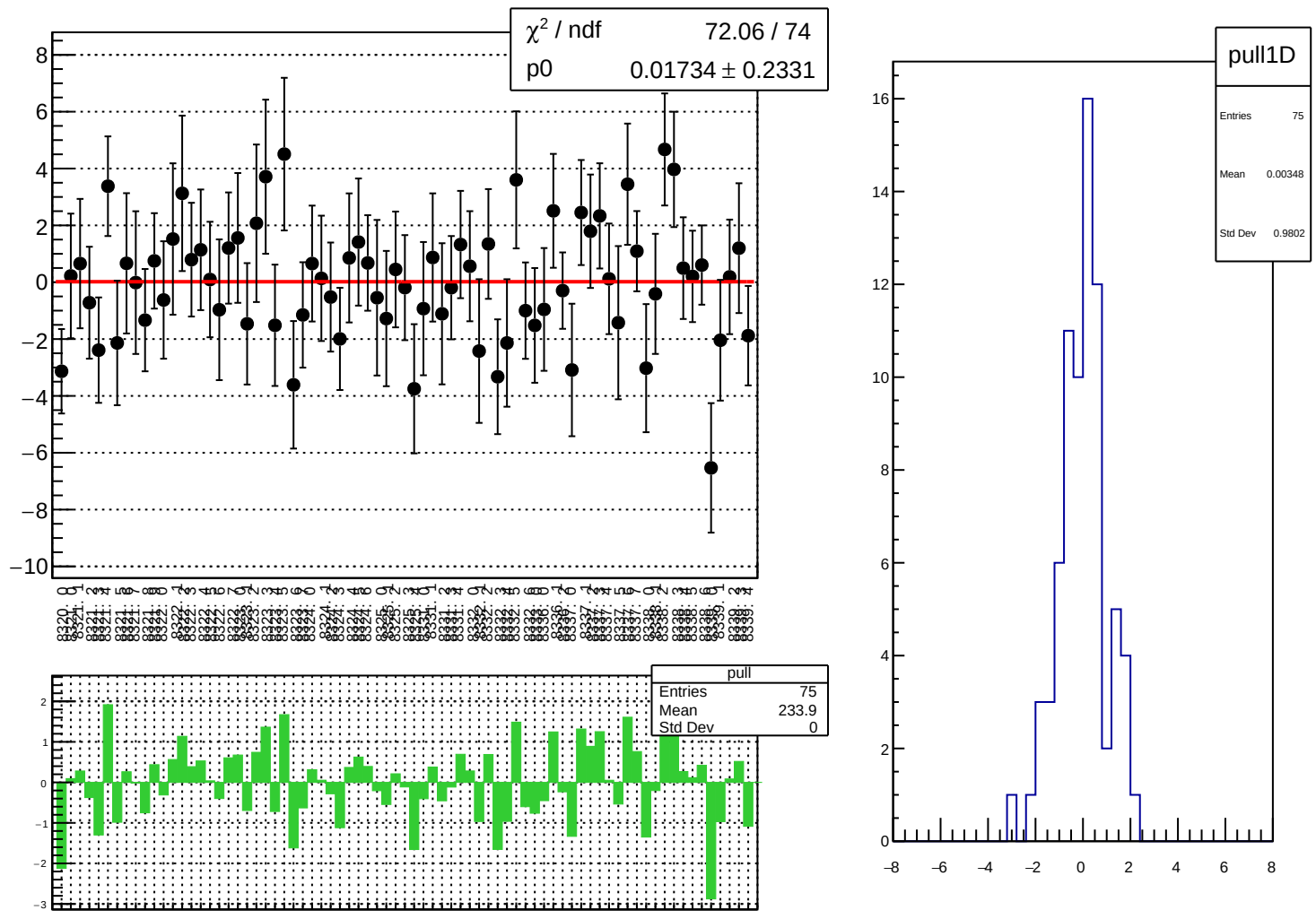

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.01 / 74
p0 −5.429e−06 ± 2.221e−05
pull
Entries 75
Mean −270.8
Std Dev 0
pull1D
Entries 75
Mean −0.003292
Std Dev 1.033

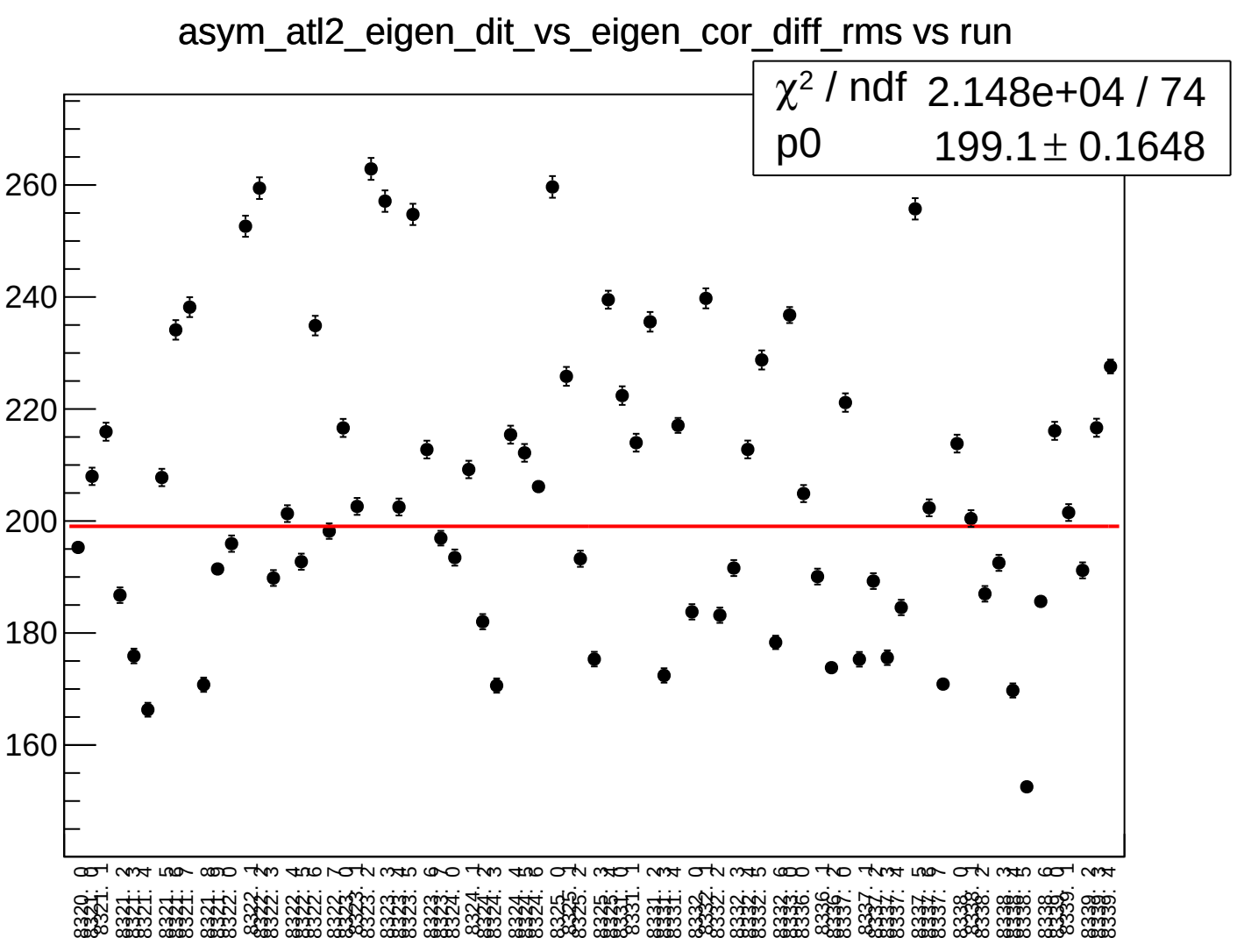

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2238 / 74
p0 0.01909 ± 1.571e−05
0.021
0.0205
0.02
0.0195
0.019
0.0185
0.018

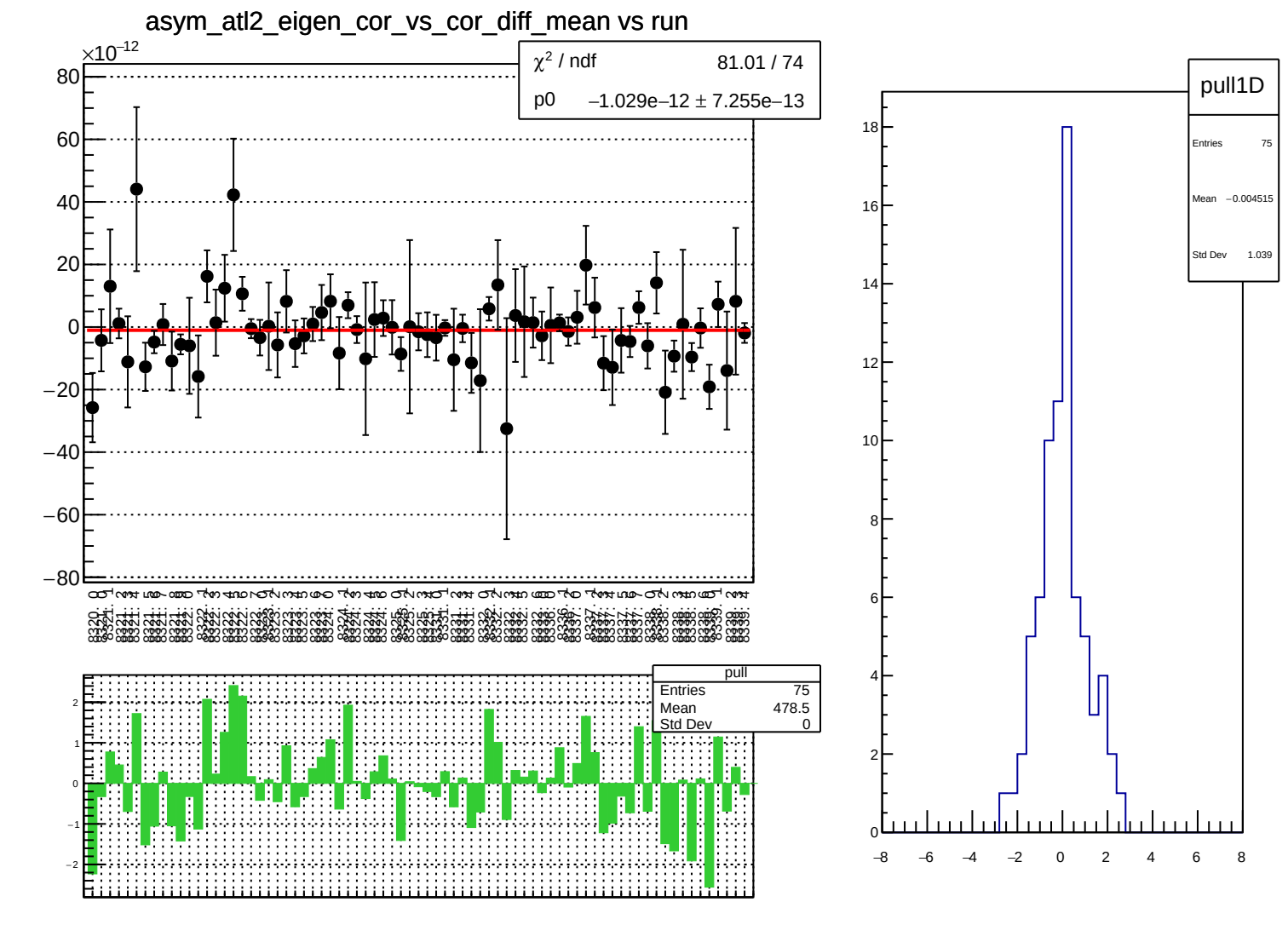

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.06 / 74
p0 0.01734 ± 0.2331
pull
Entries 75
Mean 233.9
Std Dev 0

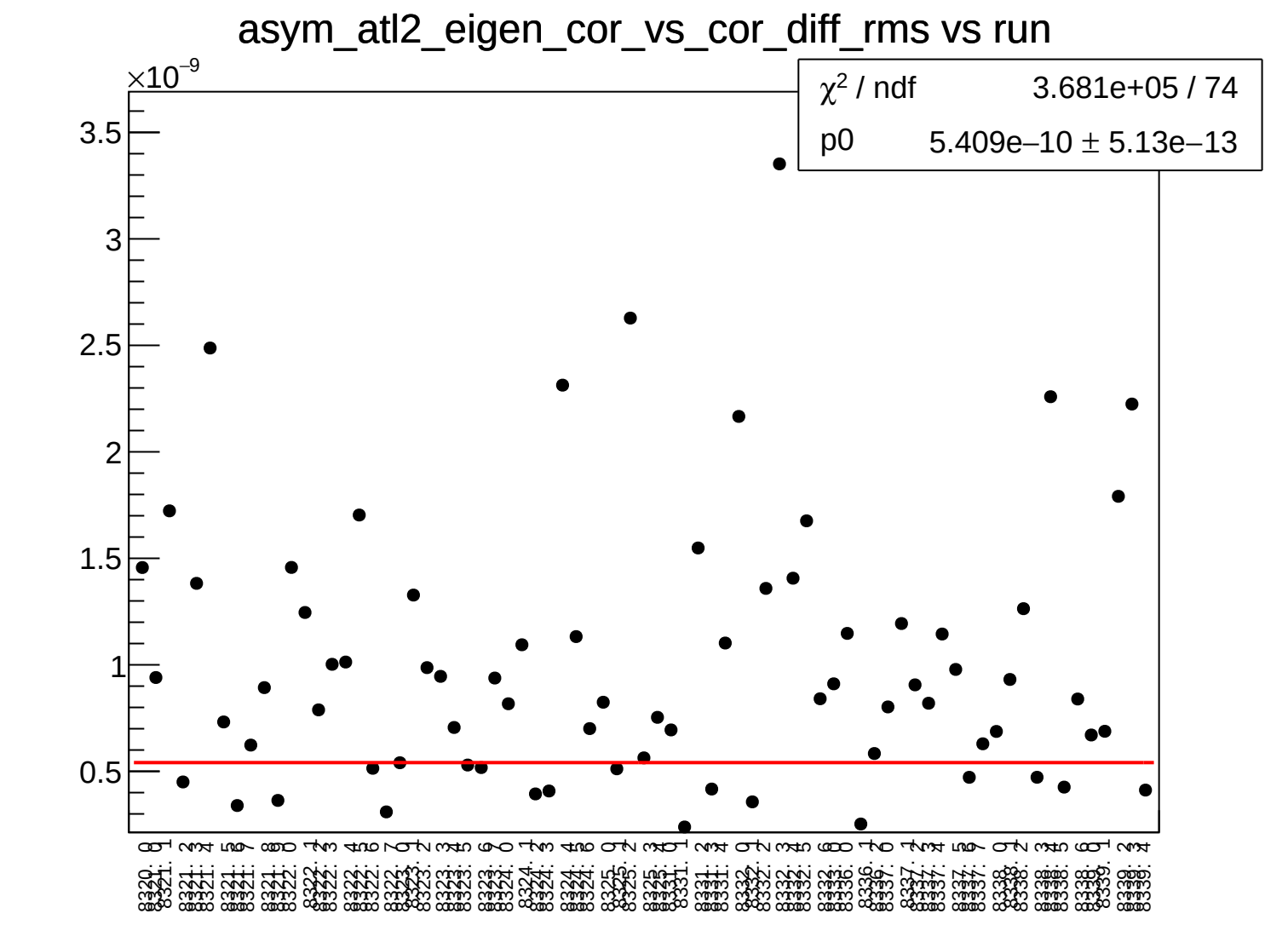

pull1D
Entries 75
Mean 0.00348
Std Dev 0.9802

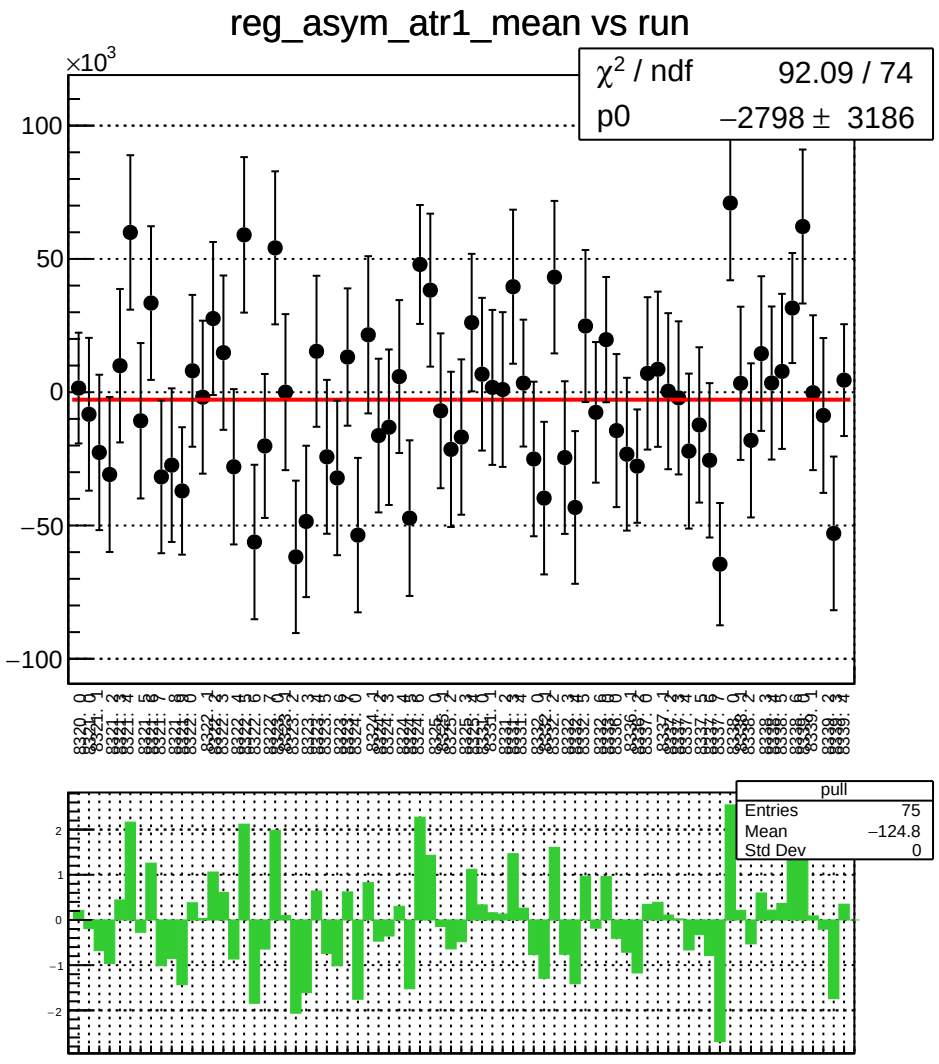

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.148e+04 / 74
p0 199.1 ± 0.1648
260
240
220
200
180
160

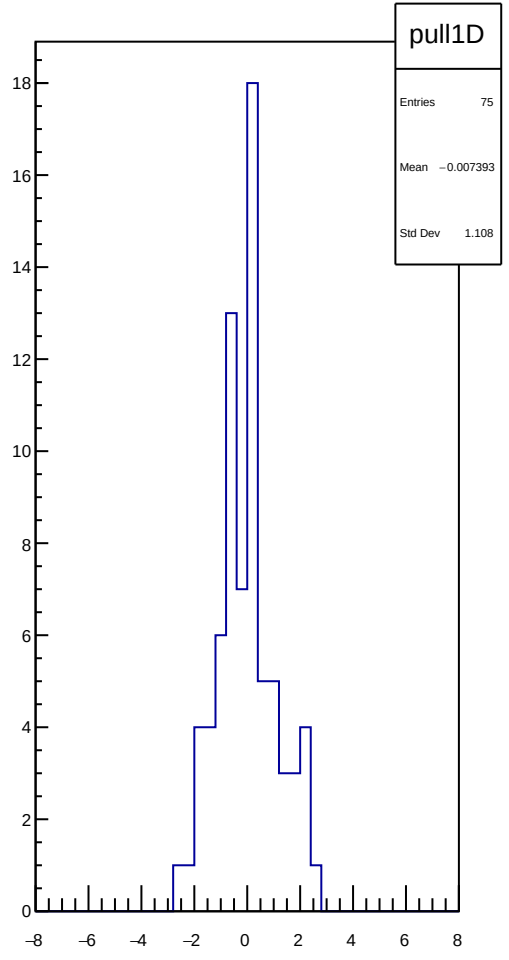

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.06 / 74
p0 0.01734 ± 0.2331
pull
Entries 75
Mean 233.9
Std Dev 0
pull1D
Entries 75
Mean 0.00348
Std Dev 0.9802

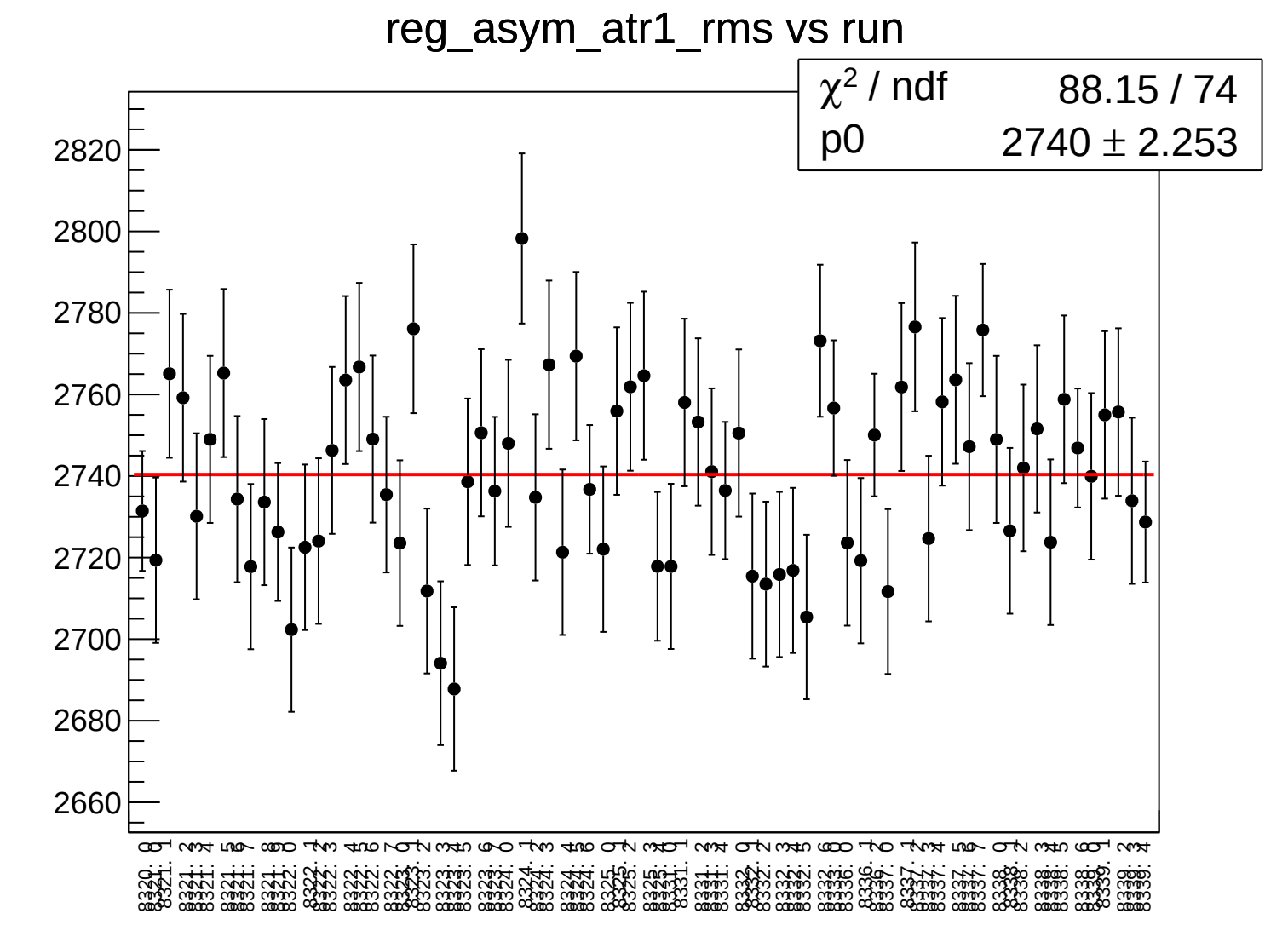

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.148e+04 / 74
p0 199.1 ± 0.1648
260
240
220
200
180
160

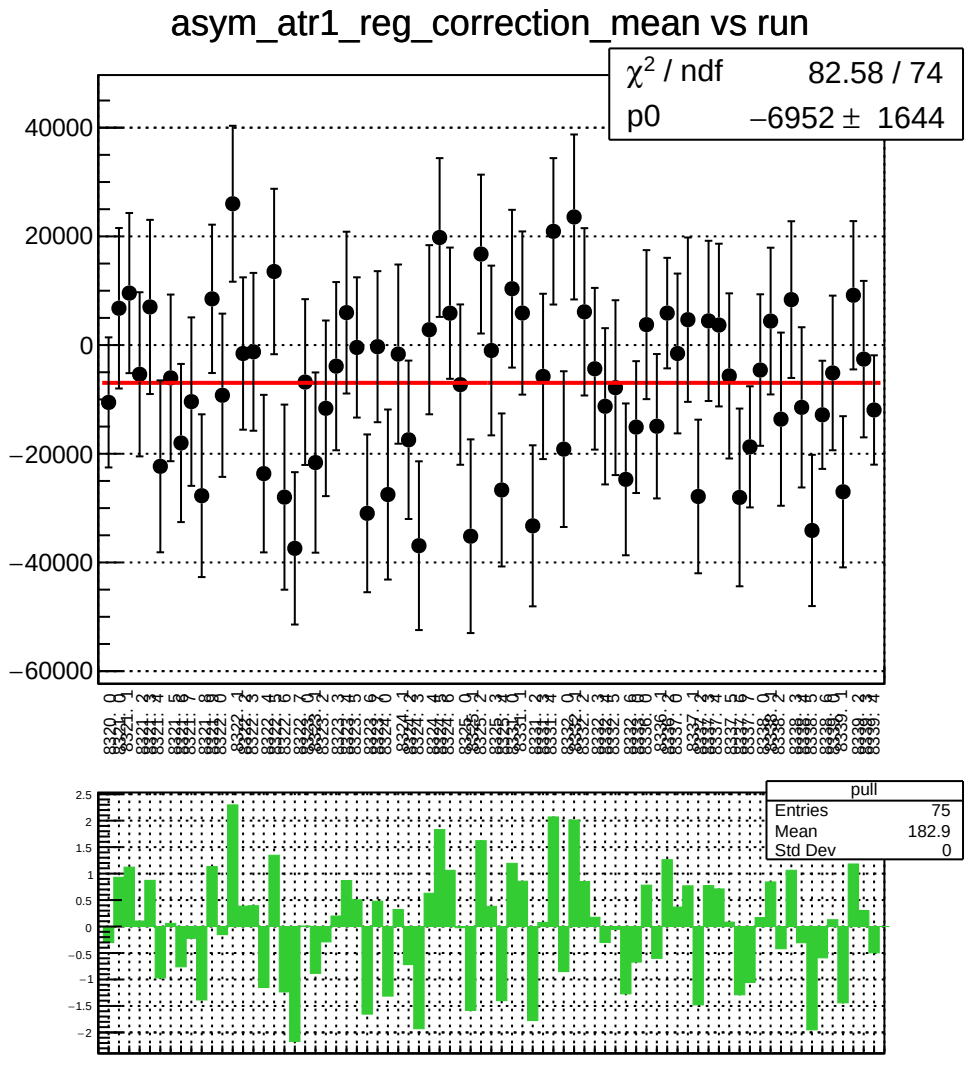

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.01 / 74
p0 −1.029e−12 ± 7.255e−13
pull
Entries 75
Mean 478.5
Std Dev 0
pull1D
Entries 75
Mean −0.004515
Std Dev 1.039

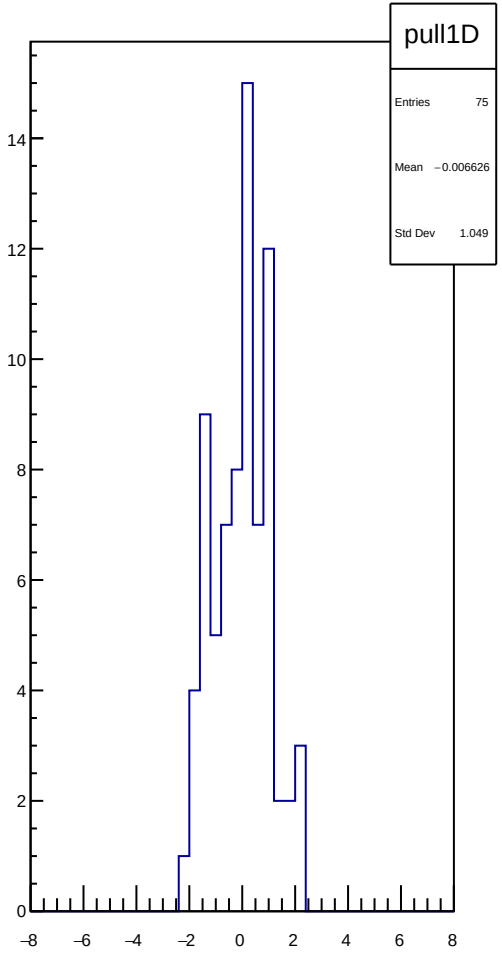

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.681e+05 / 74
p0 5.409e−10 ± 5.13e−13
3.5
3
2.5
2
1.5
1
0.5

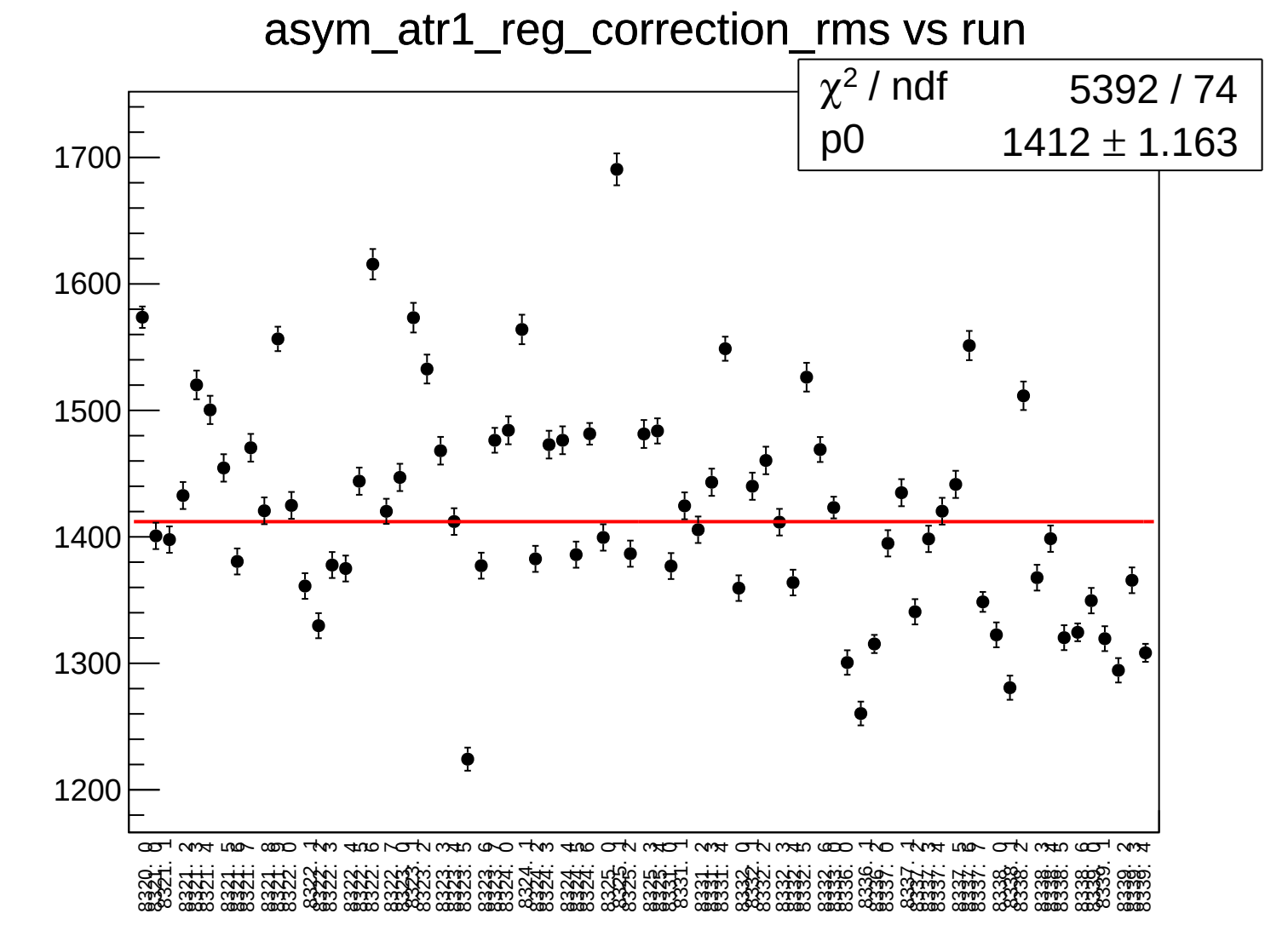

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 92.09 / 74
p0 −2798 ± 3186
100
50
0
−50
−100
pull
Entries 75
Mean −124.8
Std Dev 0
2
1
0
−1
−2

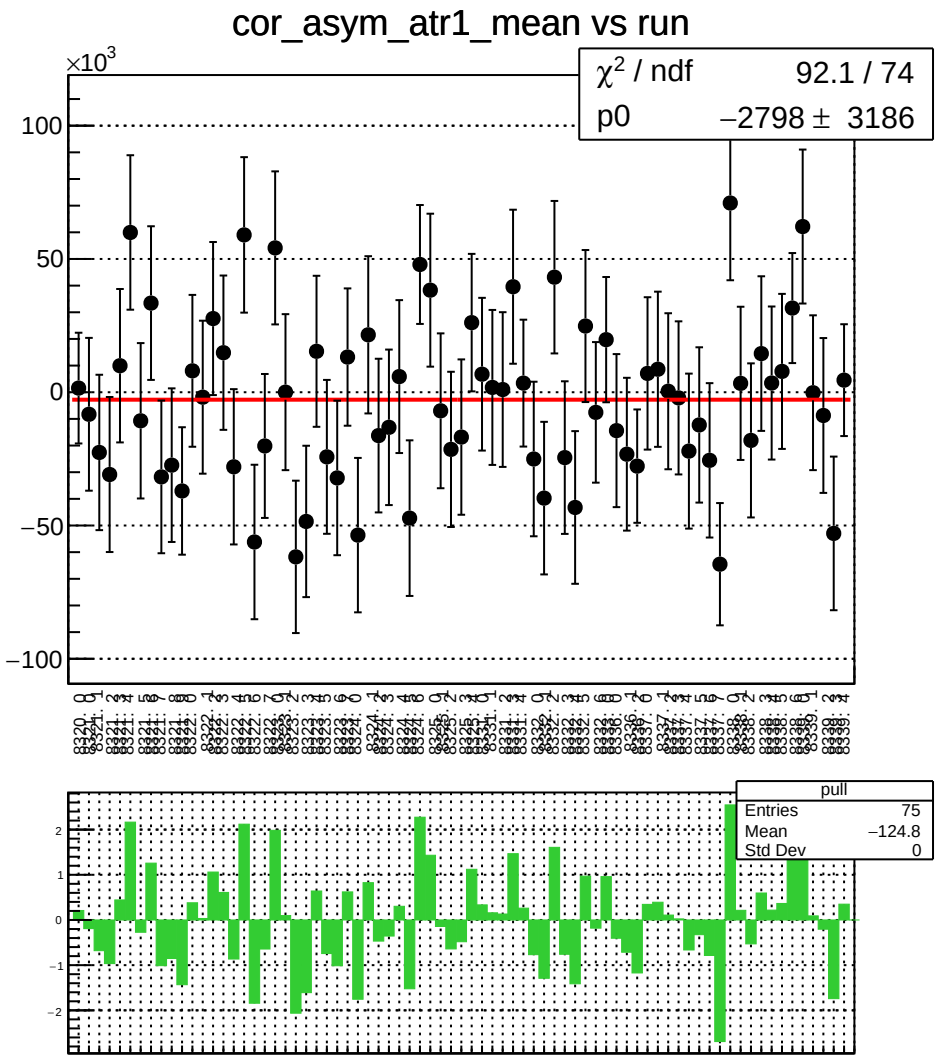

pull1D
Entries 75
Mean −0.007393
Std Dev 1.108
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

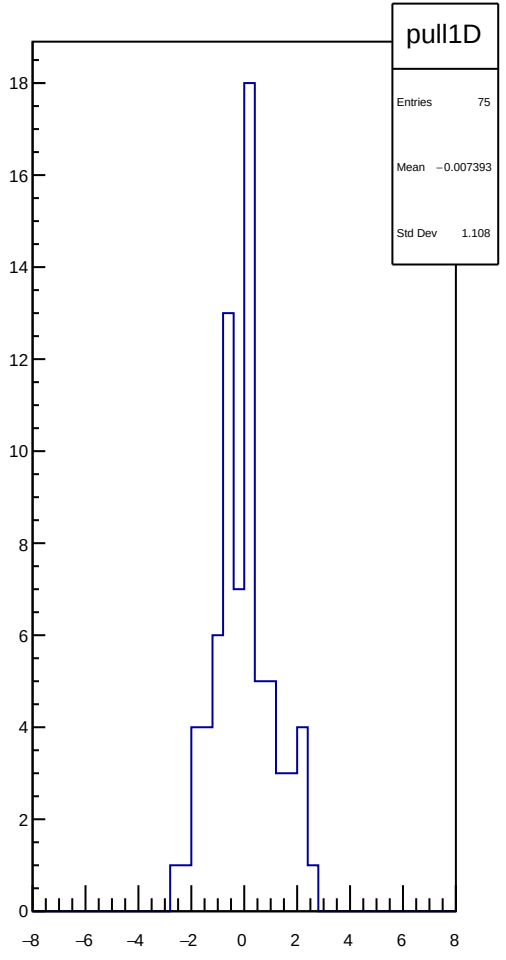

reg_asym_atr1_rms vs run
χ² / ndf 88.15 / 74
p0 2740 ± 2.253
2820
2800
2780
2760
2740
2720
2700
2680
2660

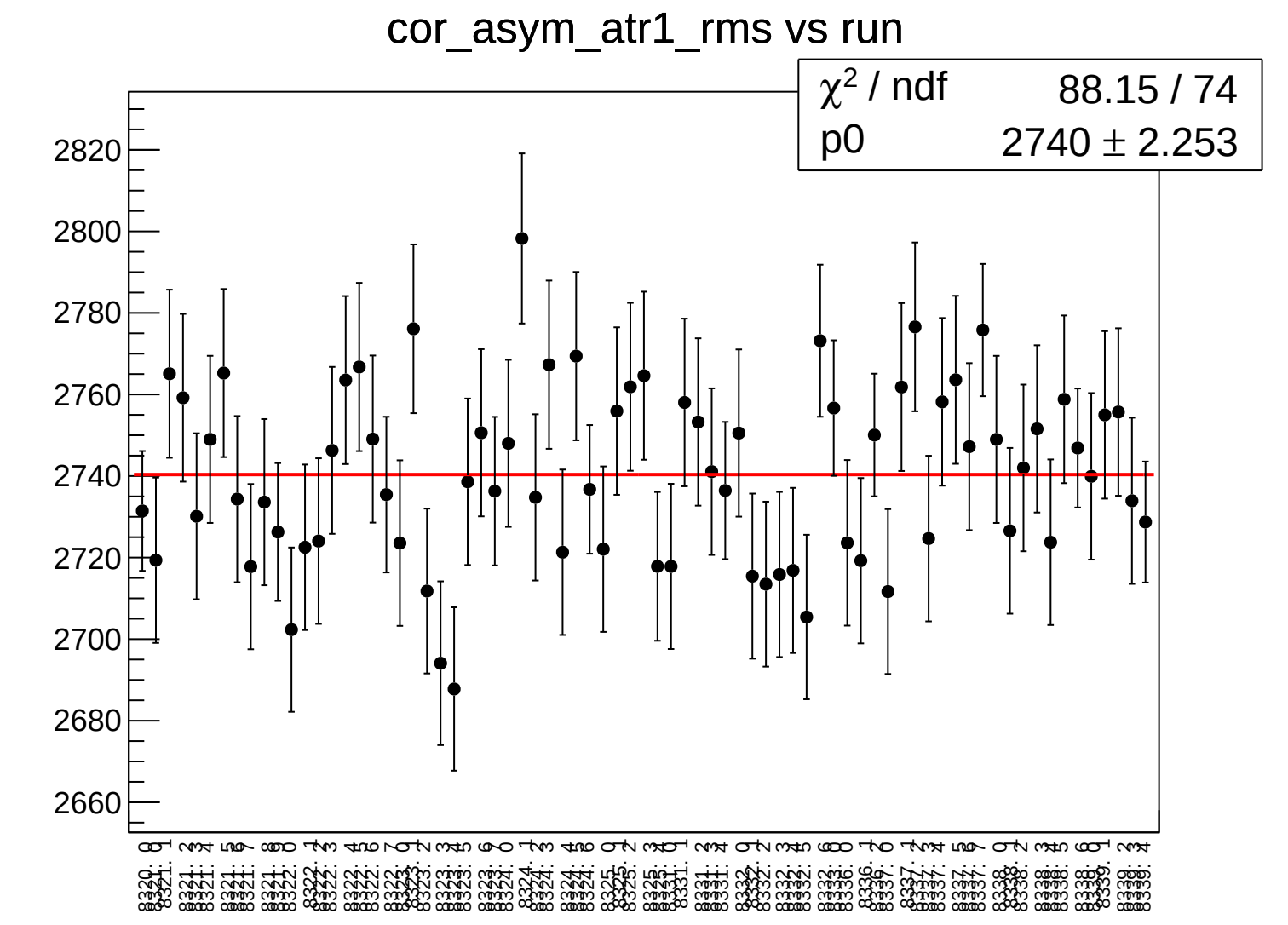

asym_atr1_reg_correction_mean vs run
χ² / ndf 82.58 / 74
p0 −6952 ± 1644
pull
Entries 75
Mean 182.9
Std Dev 0

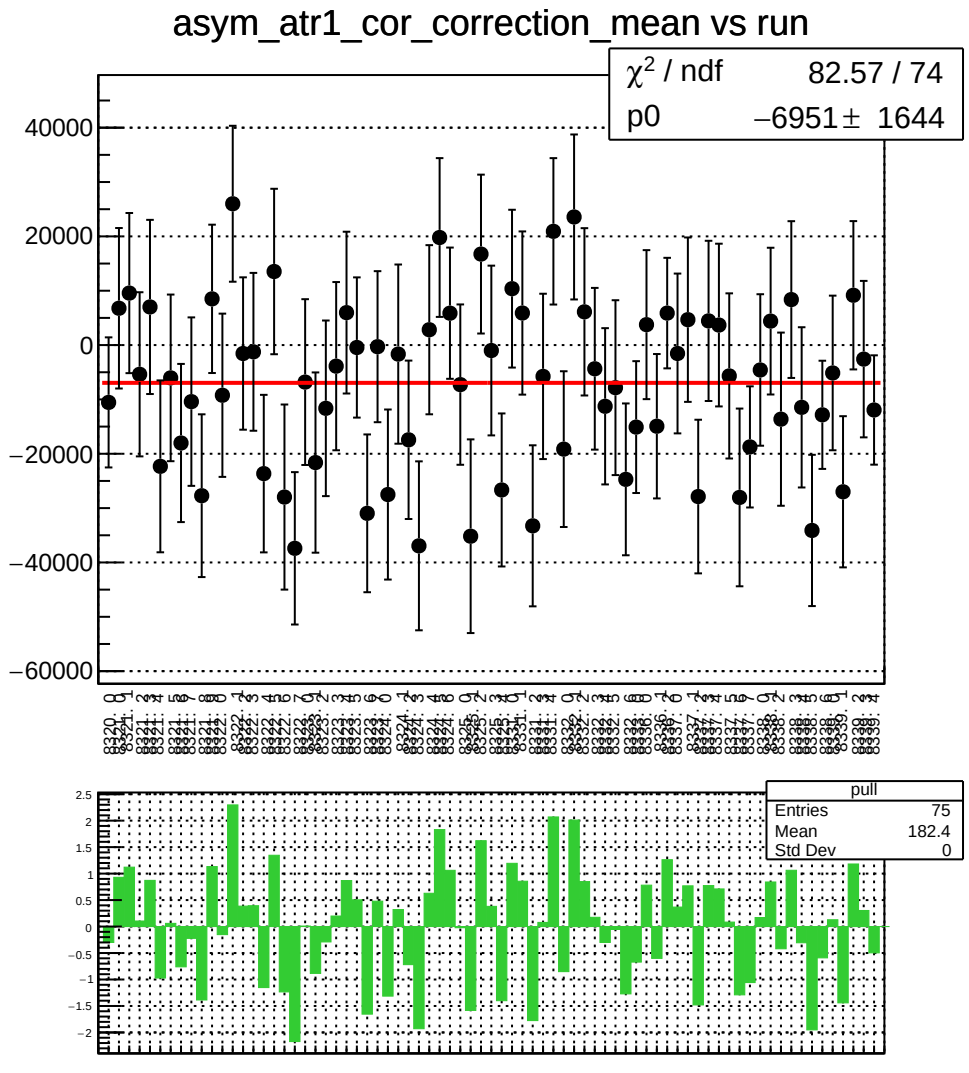

pull1D
Entries 75
Mean −0.006626
Std Dev 1.049

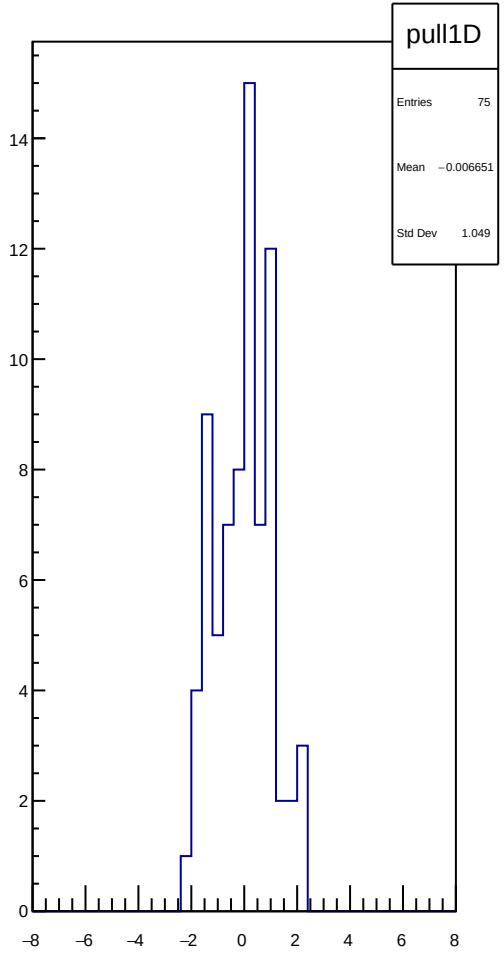

asym_atr1_reg_correction_rms vs run
χ² / ndf 5392 / 74
p0 1412 ± 1.163
1700
1600
1500
1400
1300
1200

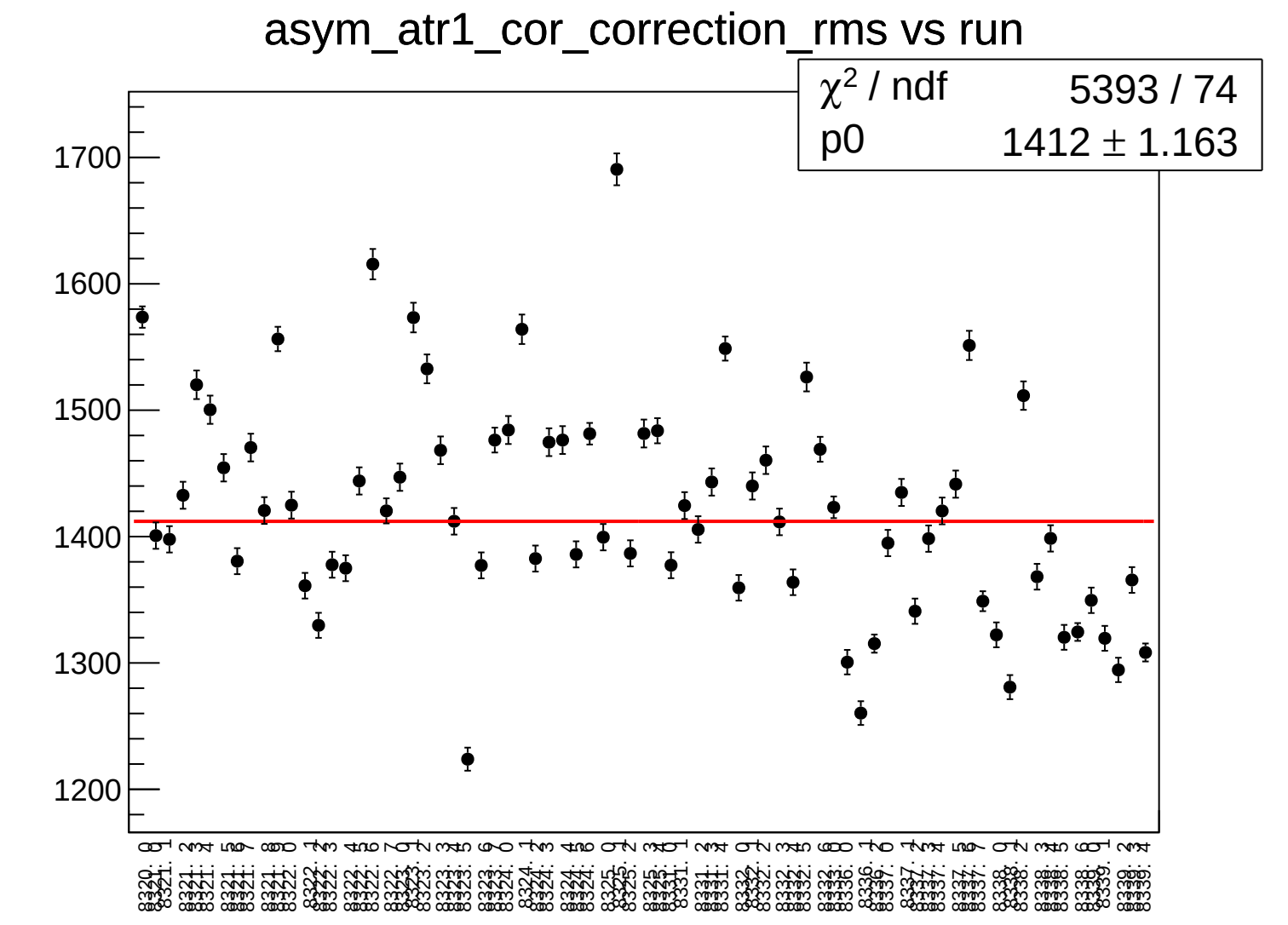

cor_asym_atr1_mean vs run
×10^3
χ² / ndf 92.1 / 74
p0 −2798 ± 3186
100
50
0
−50
−100
pull
Entries 75
Mean −124.8
Std Dev 0
2
1
0
−1
−2

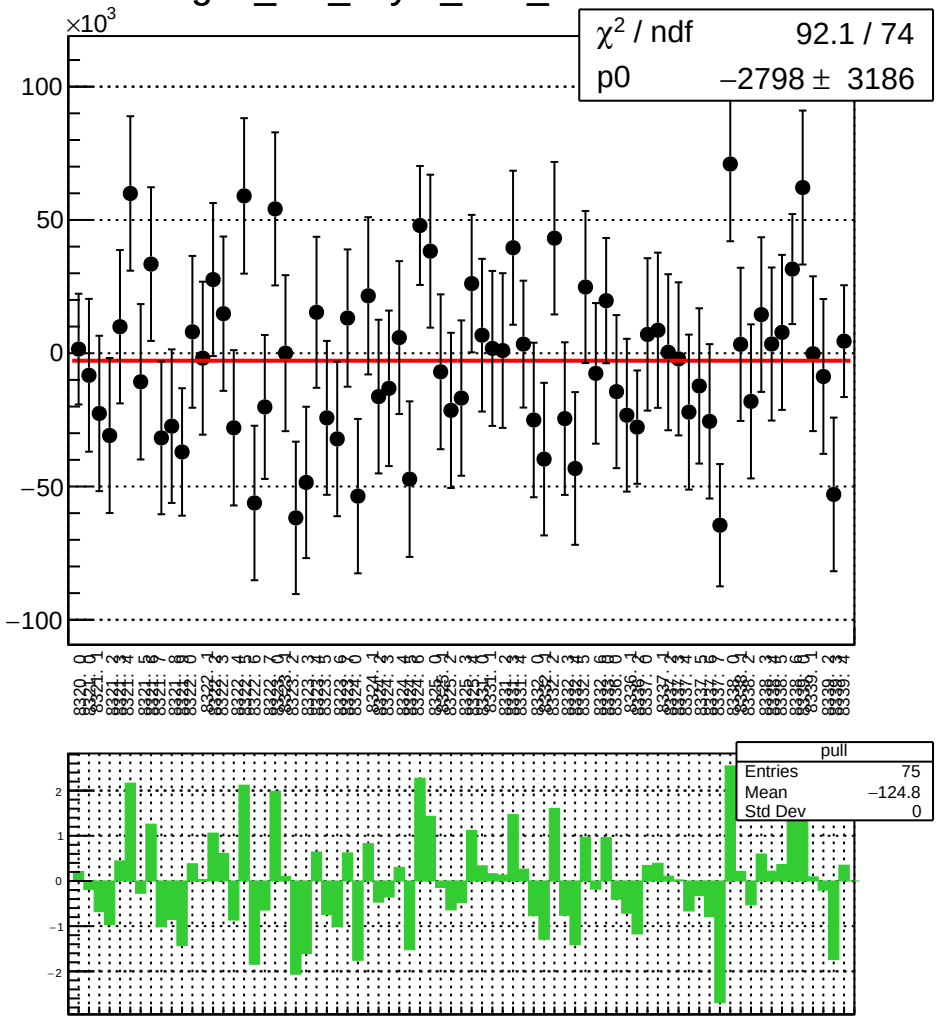

pull1D
Entries 75
Mean −0.007393
Std Dev 1.108
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

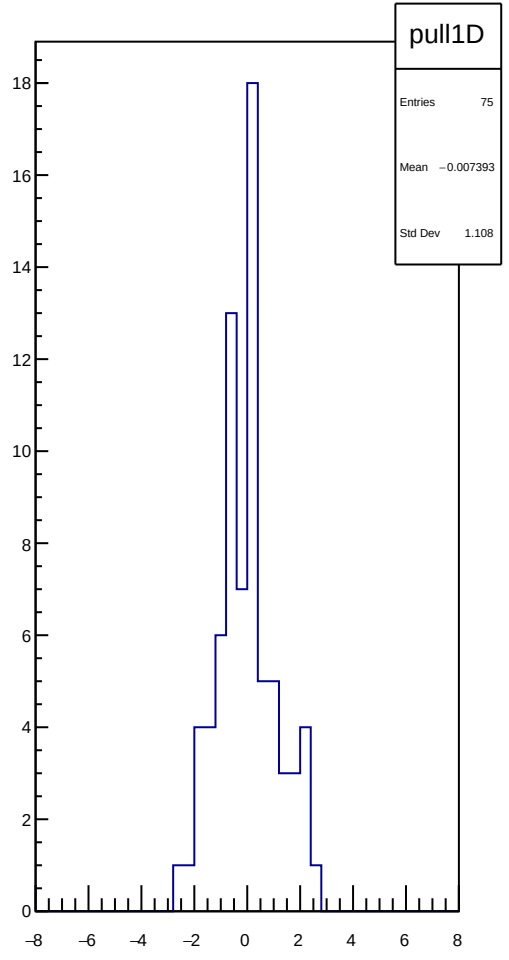

cor_asym_atr1_rms vs run
χ² / ndf 88.15 / 74
p0 2740 ± 2.253
2820
2800
2780
2760
2740
2720
2700
2680
2660

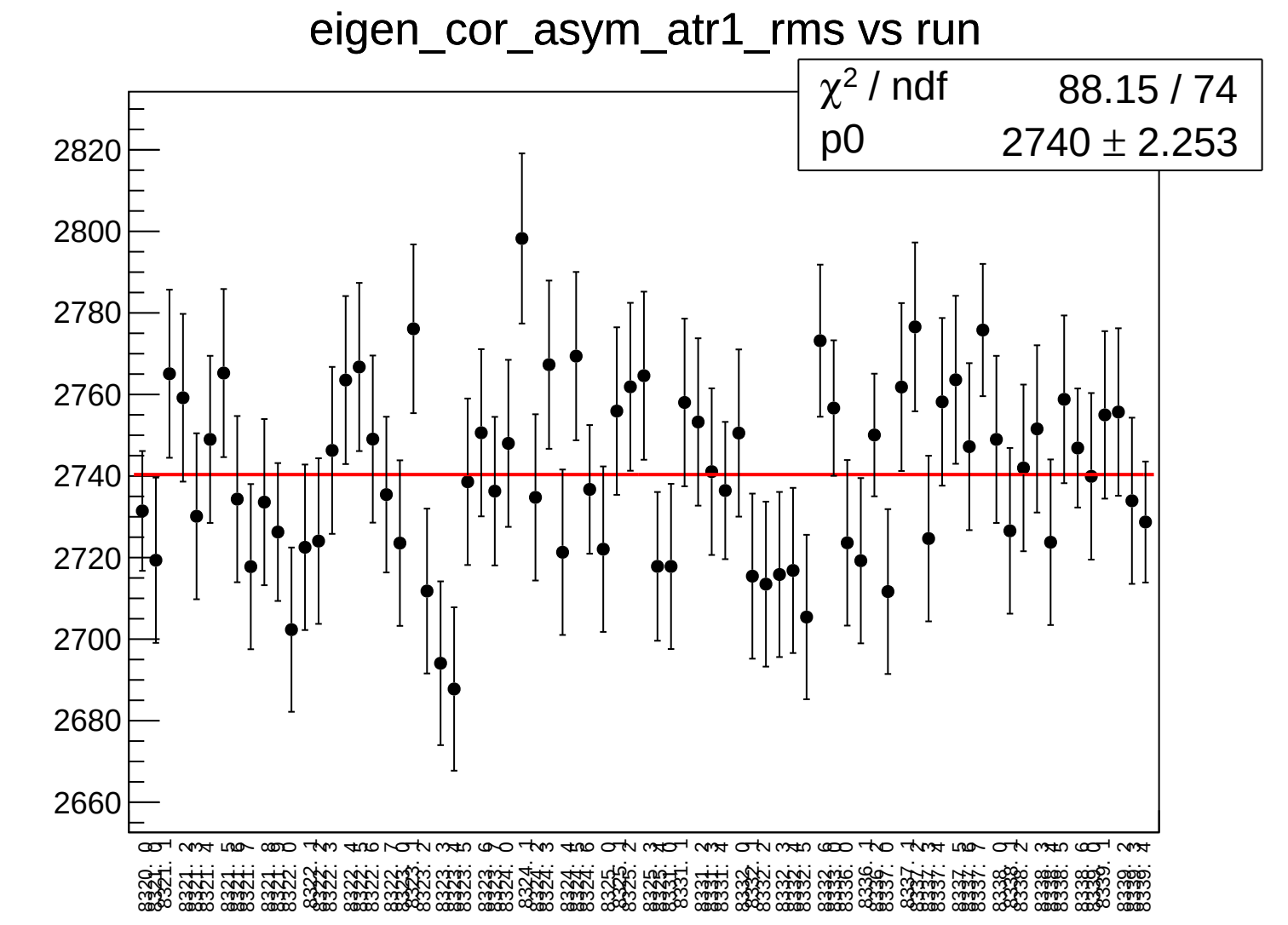

asym_atr1_cor_correction_mean vs run
χ² / ndf 82.57 / 74
p0 −6951 ± 1644
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 182.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

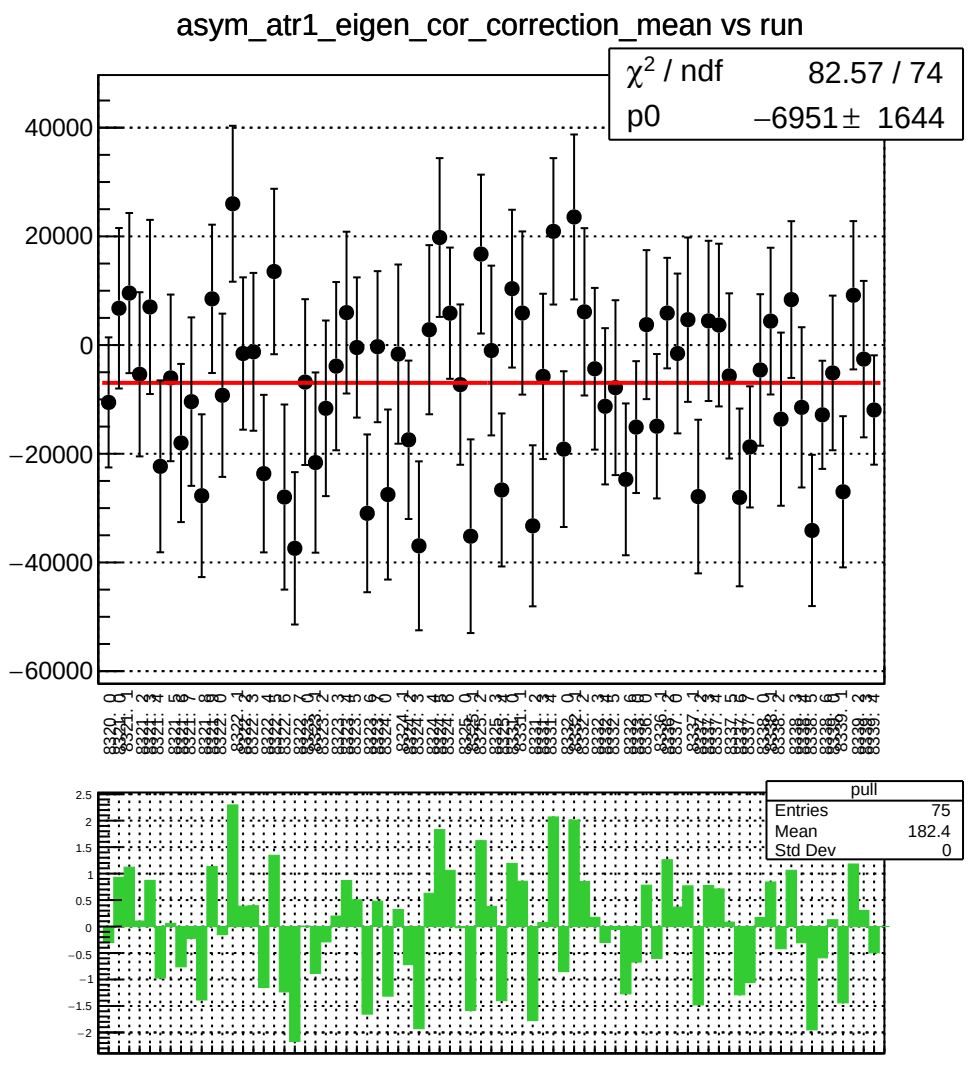

pull1D
Entries 75
Mean −0.006651
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

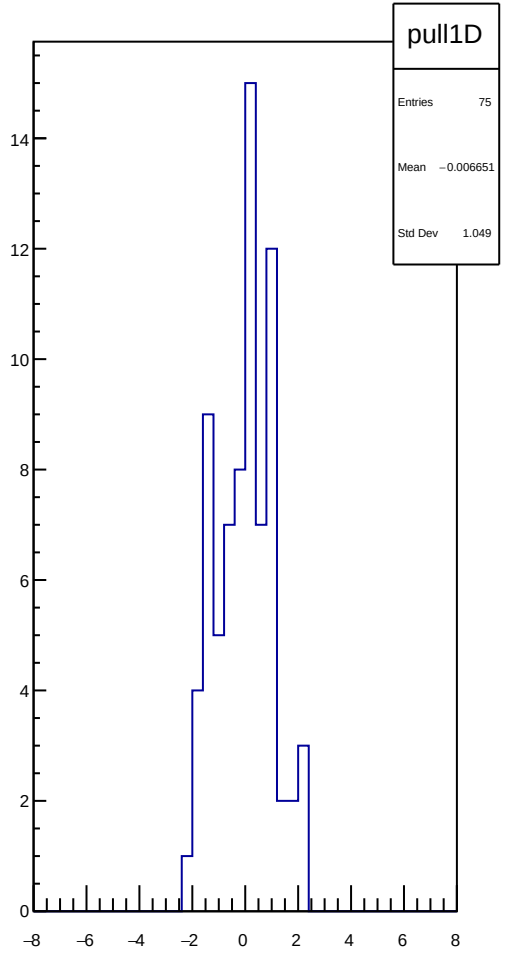

asym_atr1_cor_correction_rms vs run
χ² / ndf 5393 / 74
p0 1412 ± 1.163
1700
1600
1500
1400
1300
1200

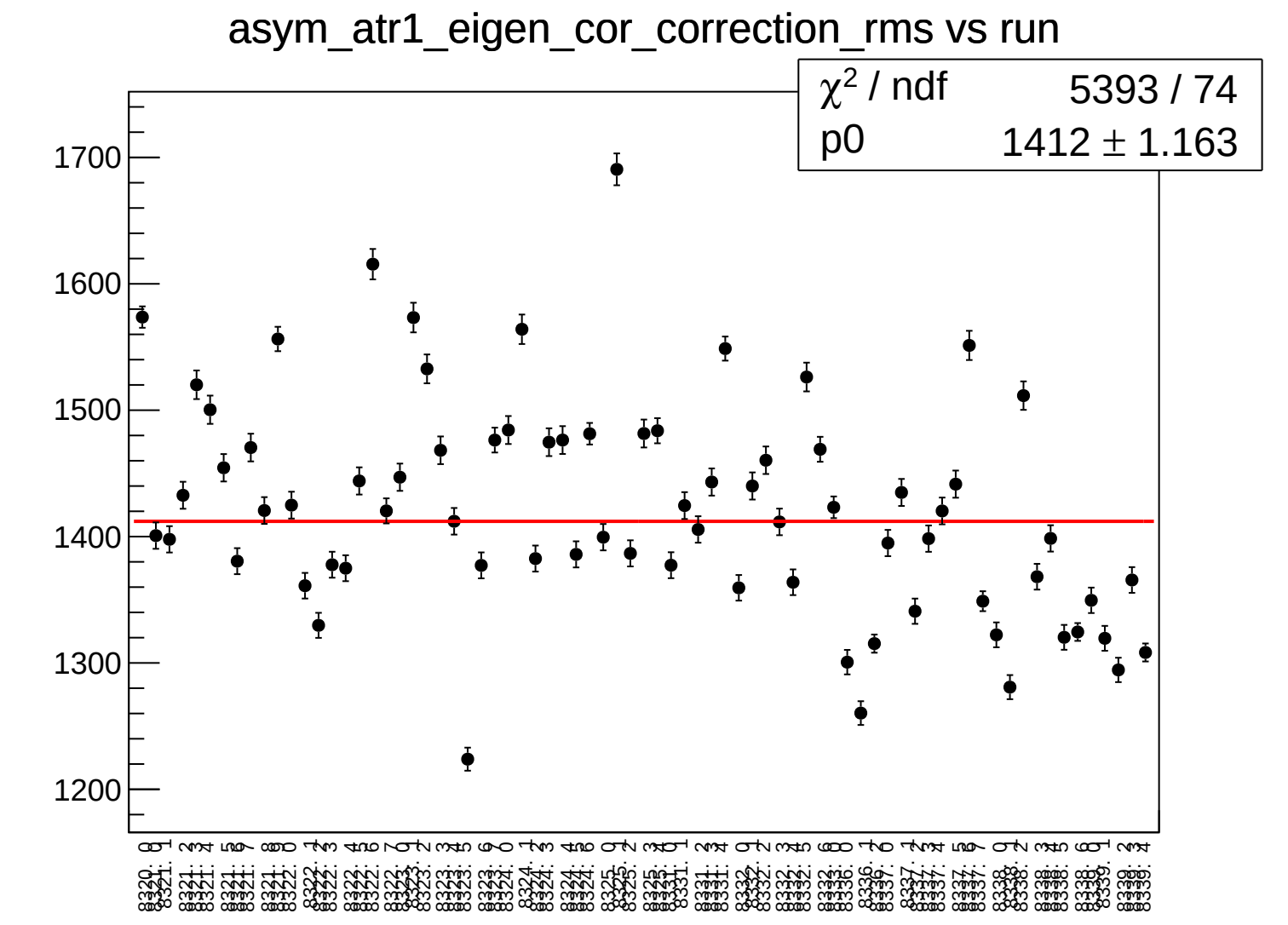

eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 92.1 / 74
p0 −2798 ± 3186
100
50
0
−50
−100
pull
Entries 75
Mean −124.8
Std Dev 0
2
1
0
−1
−2

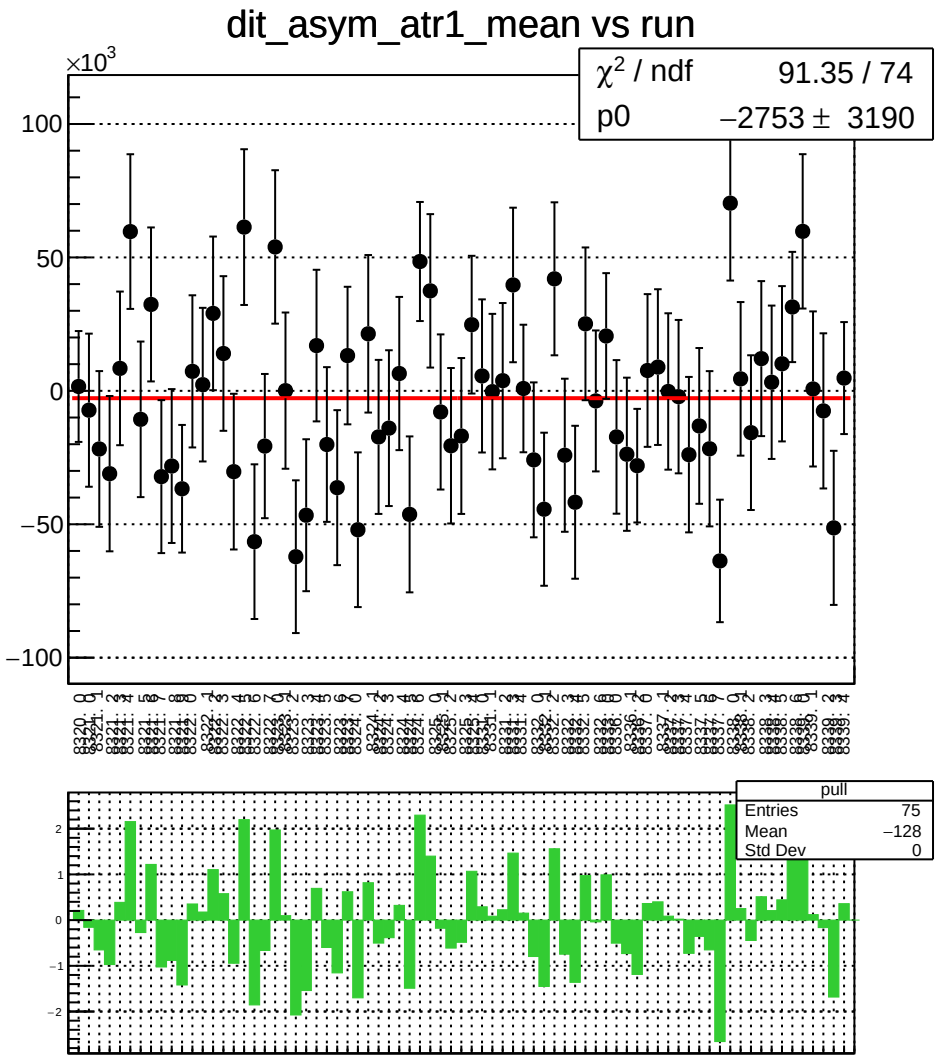

pull1D
Entries 75
Mean −0.007393
Std Dev 1.108
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

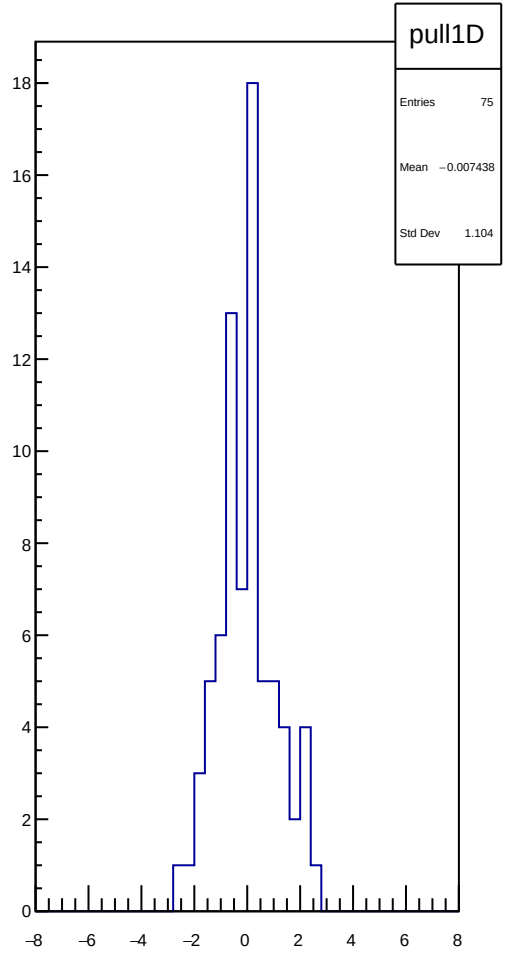

eigen_cor_asym_atr1_rms vs run
χ² / ndf 88.15 / 74
p0 2740 ± 2.253
2820
2800
2780
2760
2740
2720
2700
2680
2660

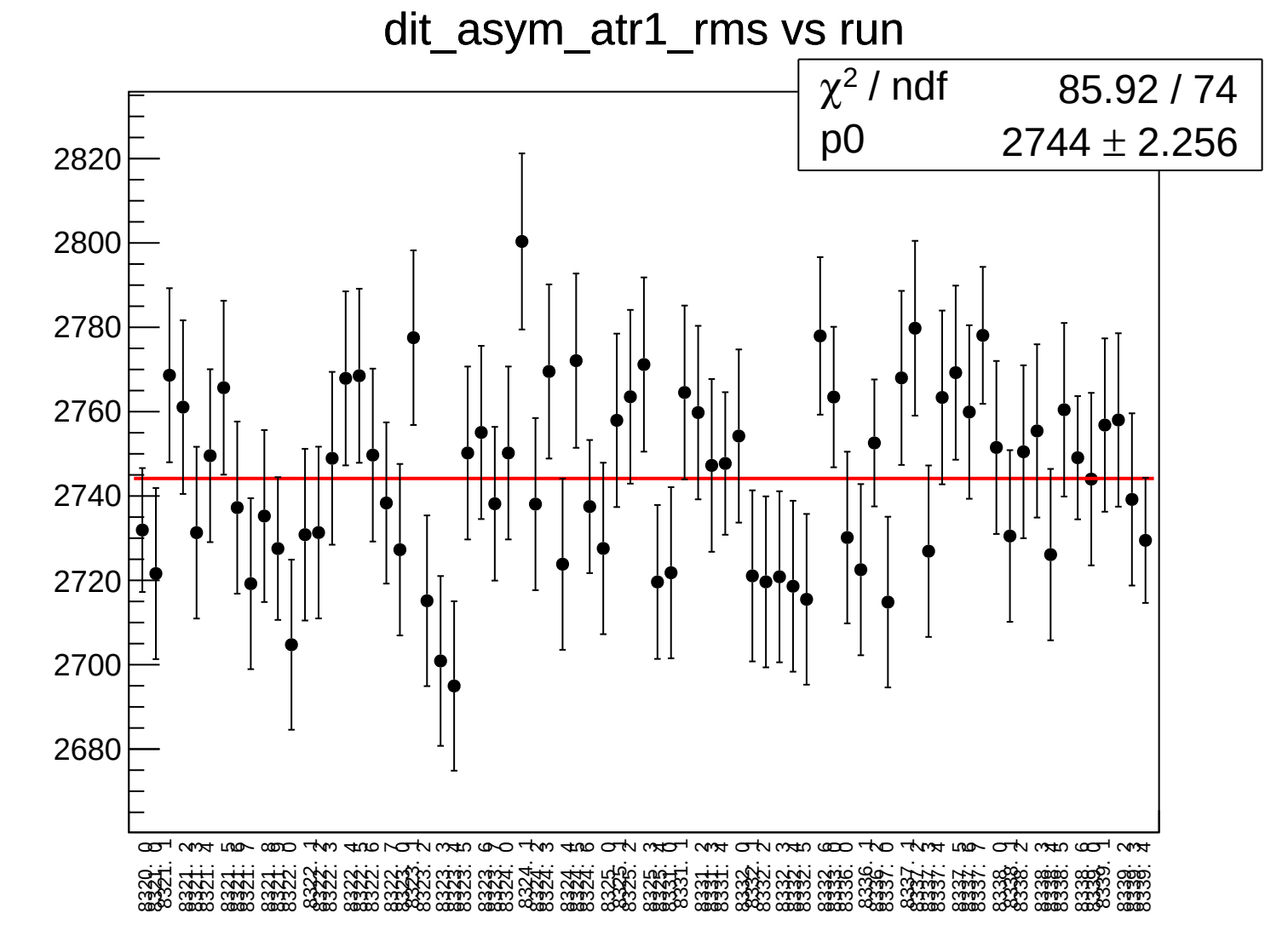

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 82.57 / 74
p0 −6951 ± 1644
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 182.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

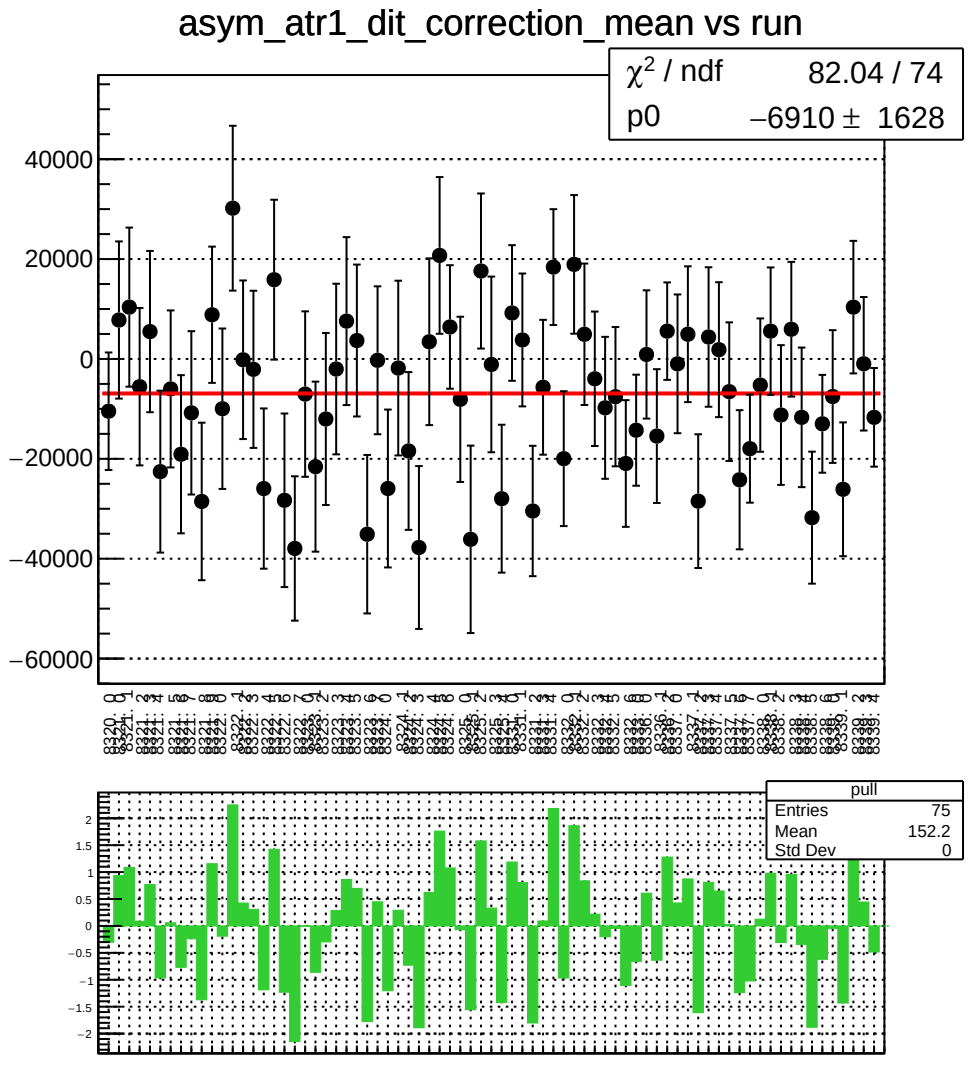

pull1D
Entries 75
Mean −0.006651
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

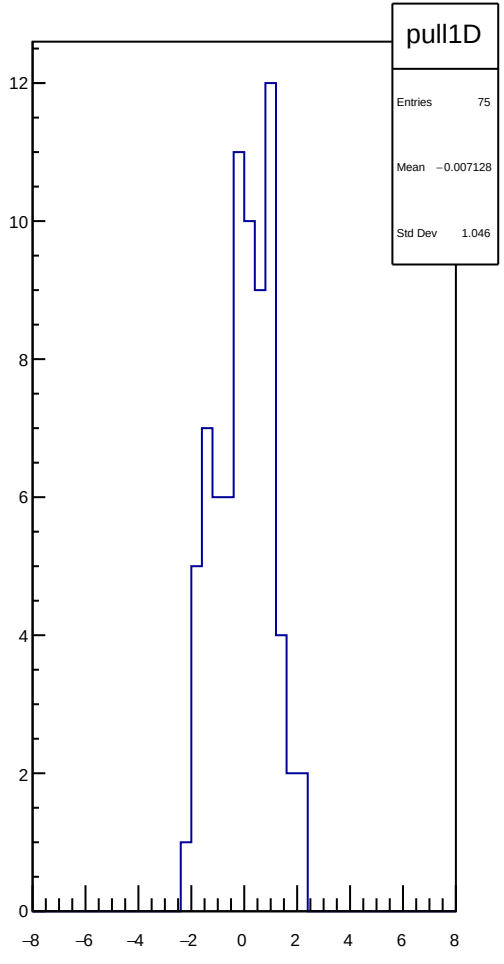

asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 5393 / 74
p0 1412 ± 1.163
1700
1600
1500
1400
1300
1200

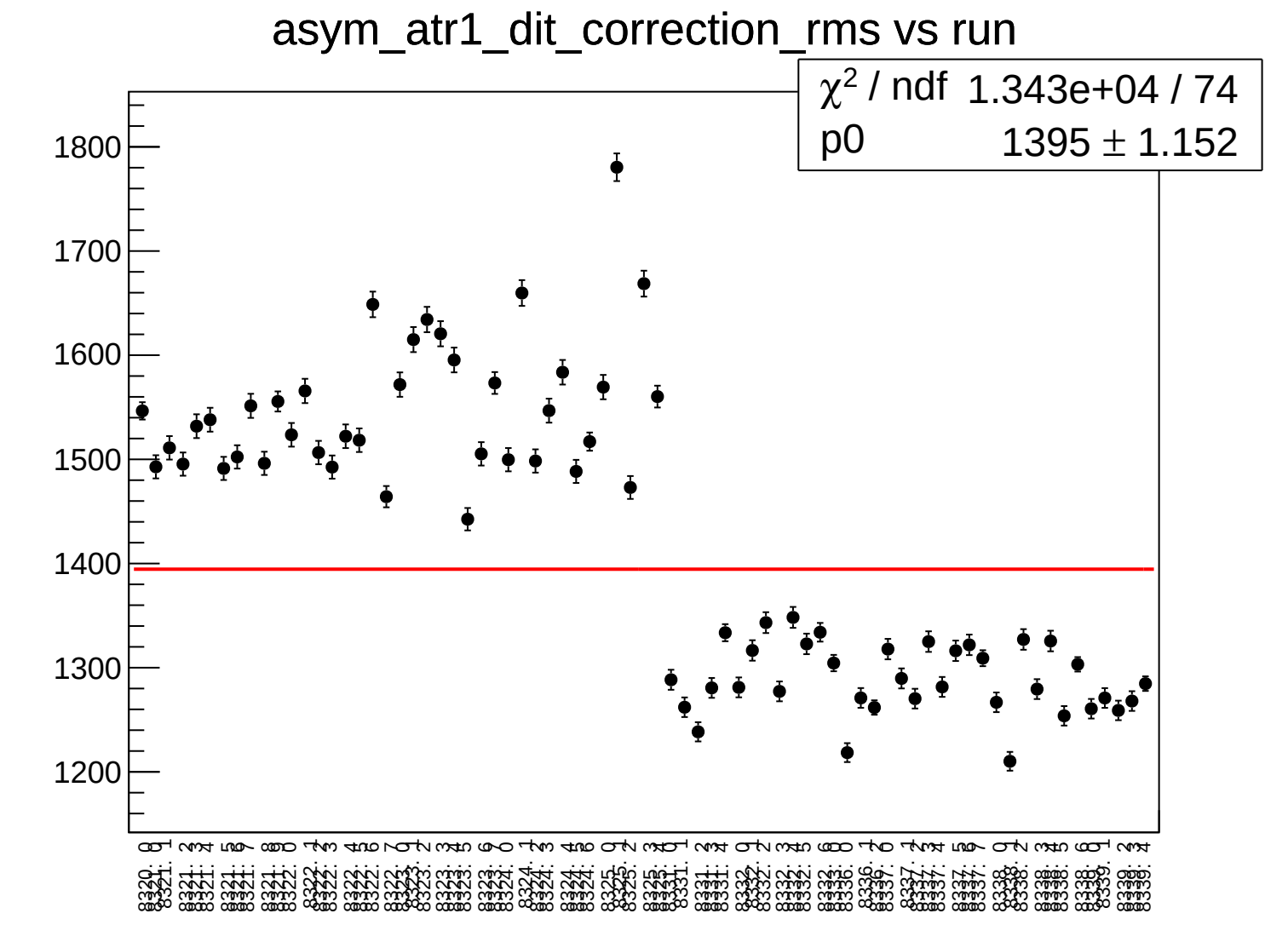

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 91.35 / 74
p0 −2753 ± 3190
100
50
0
−50
−100
pull
Entries 75
Mean −128
Std Dev 0
2
1
0
−1
−2

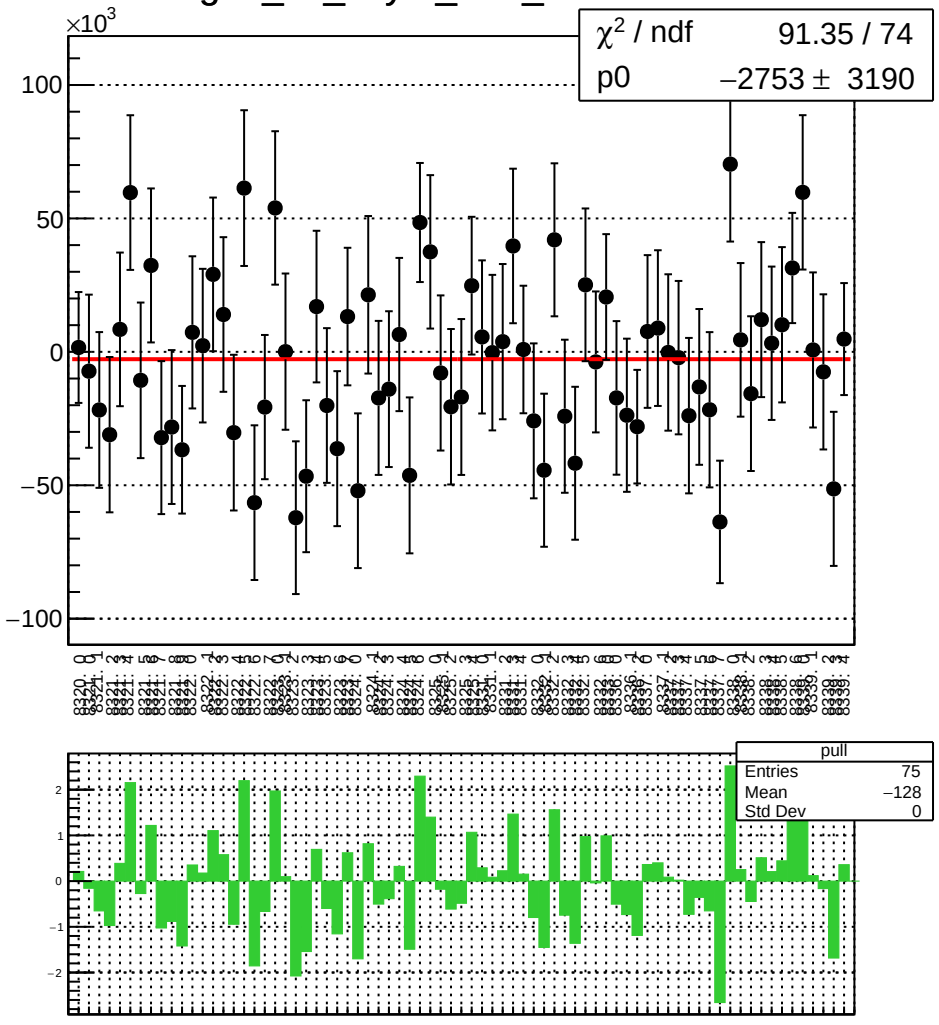

pull1D
Entries 75
Mean −0.007438
Std Dev 1.104
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

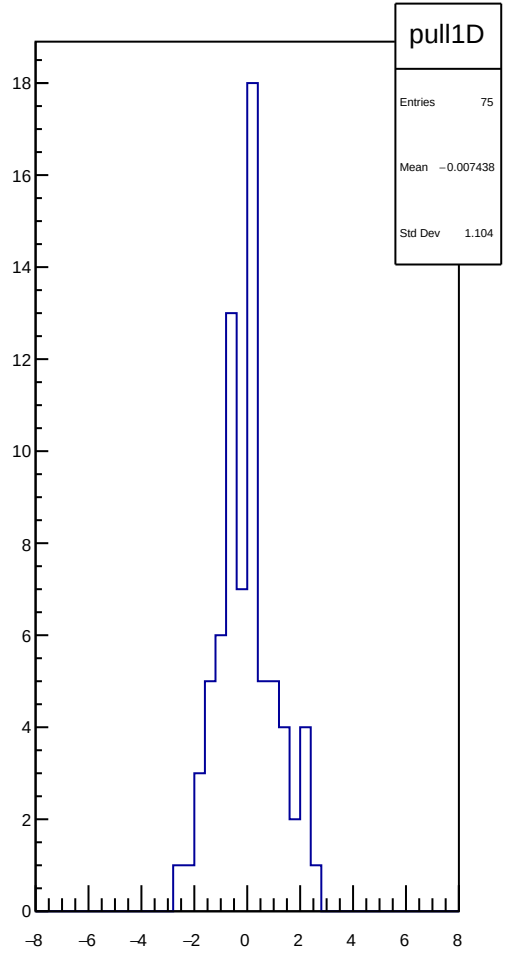

dit_asym_atr1_rms vs run
χ² / ndf 85.92 / 74
p0 2744 ± 2.256
2820
2800
2780
2760
2740
2720
2700
2680

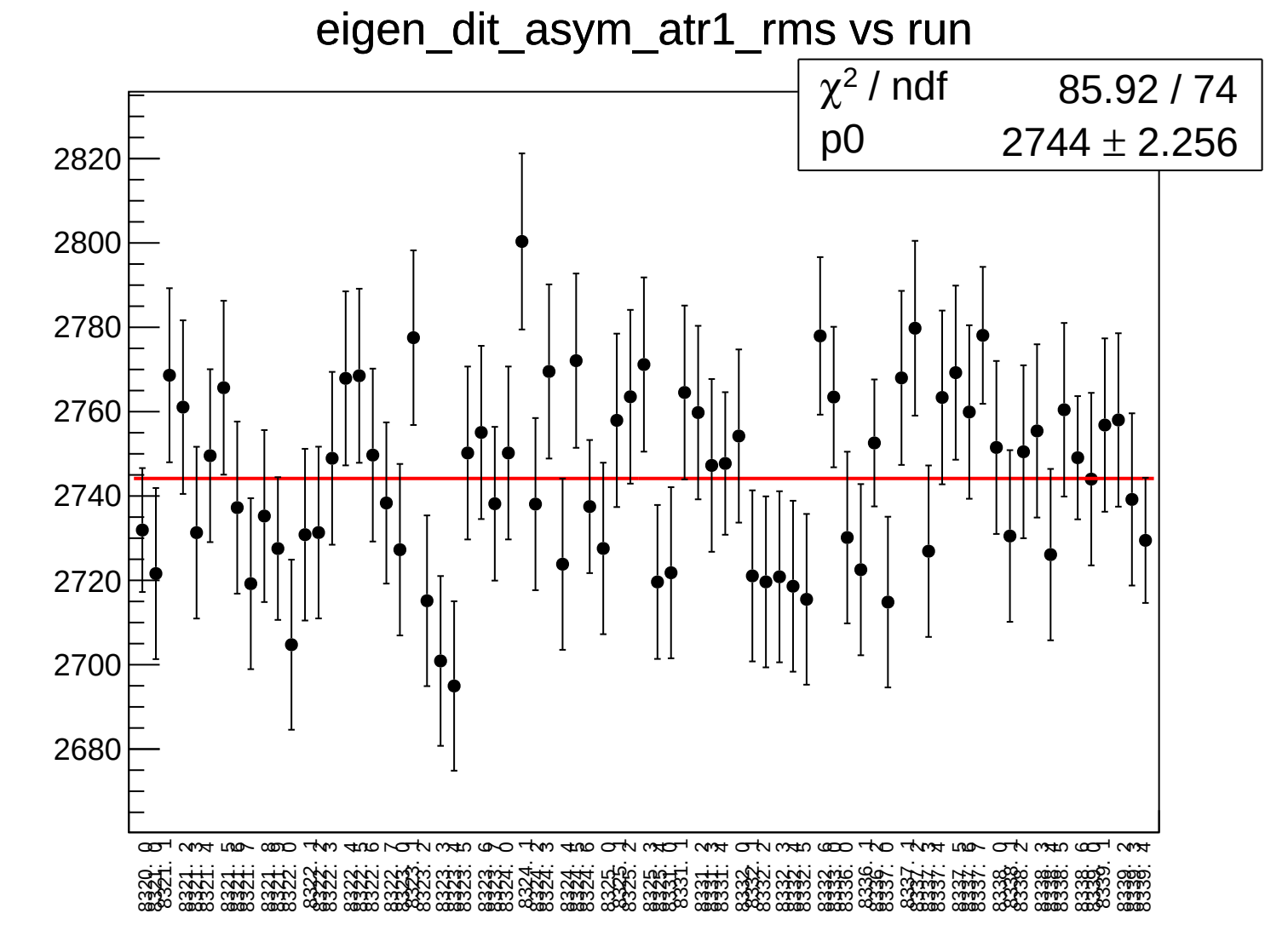

asym_atr1_dit_correction_mean vs run
χ² / ndf 82.04 / 74
p0 −6910 ± 1628
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 152.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

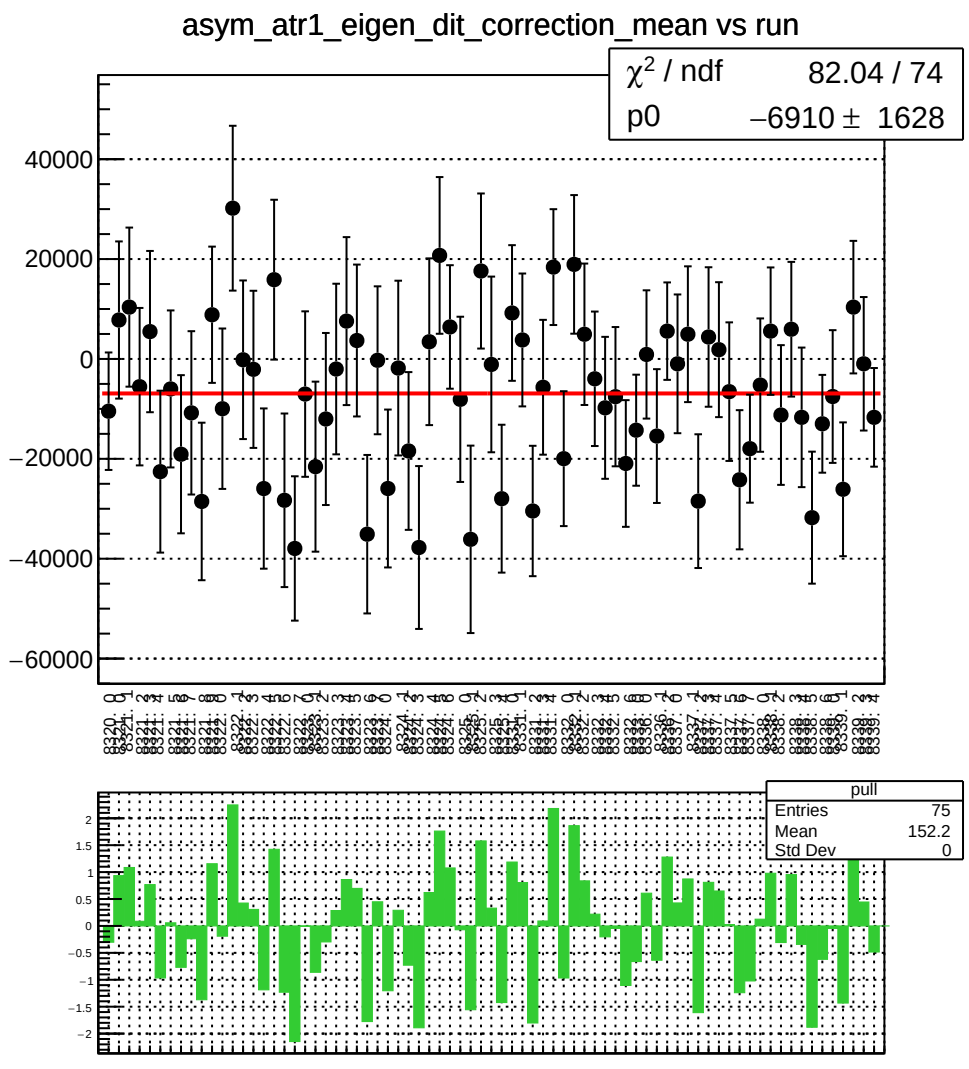

pull1D
Entries 75
Mean −0.007128
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

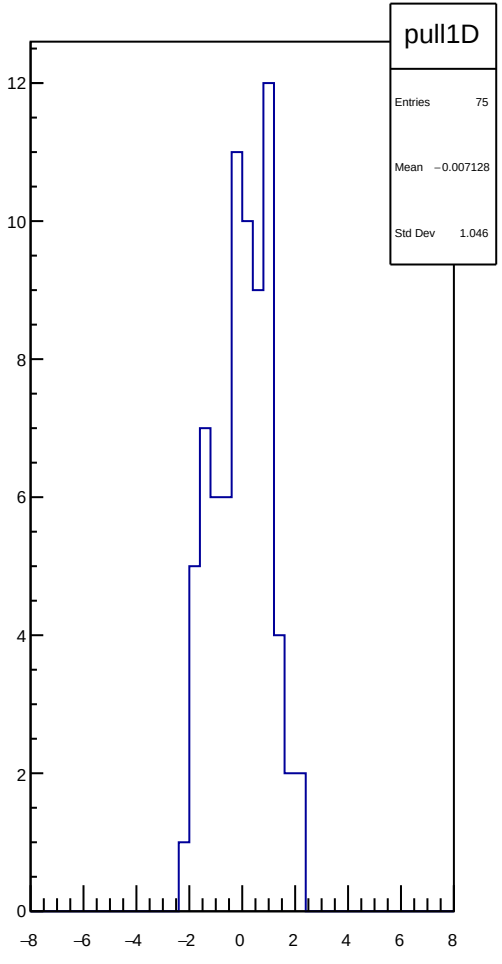

asym_atr1_dit_correction_rms vs run
χ² / ndf 1.343e+04 / 74
p0 1395 ± 1.152
1800
1700
1600
1500
1400
1300
1200

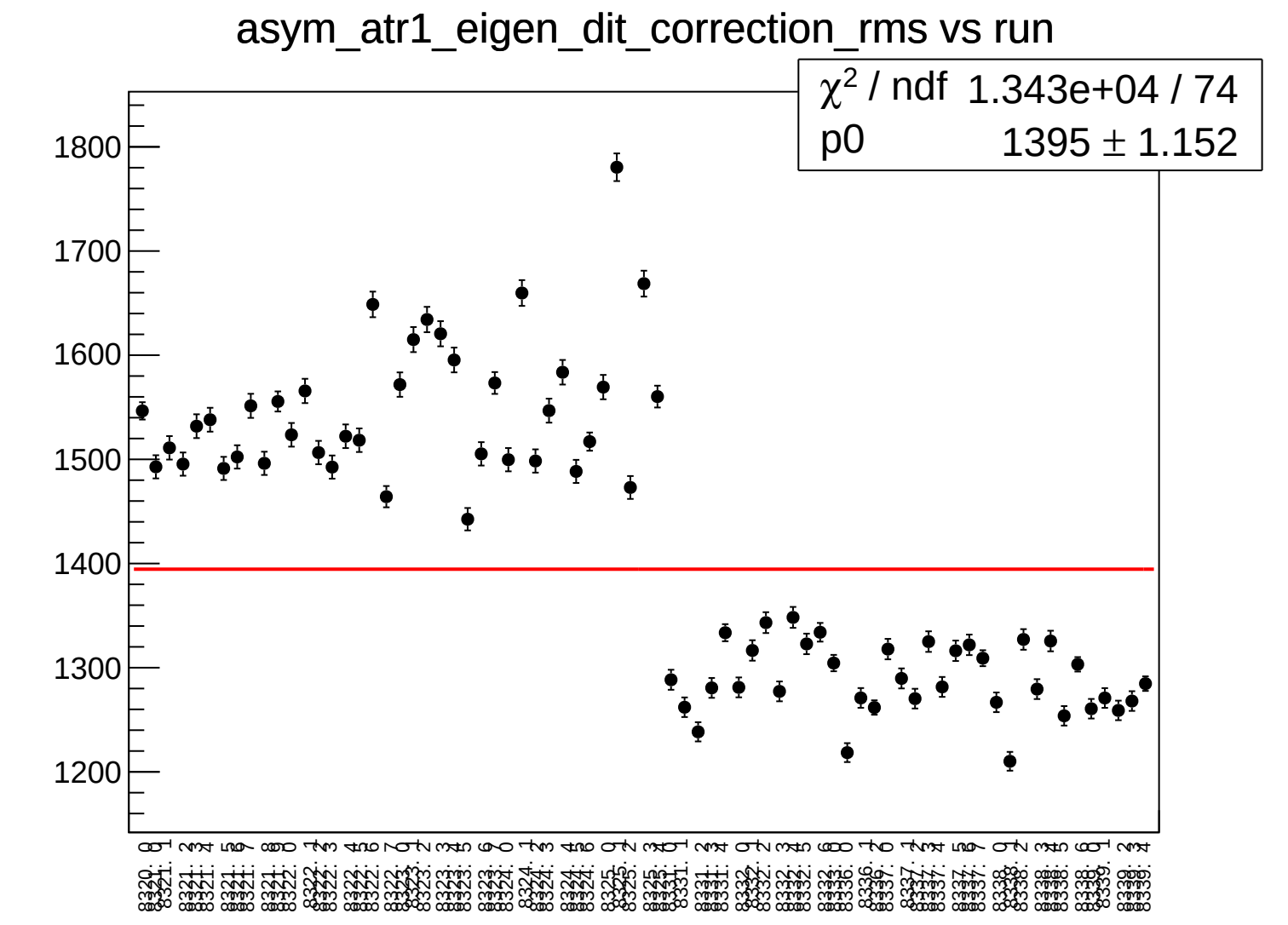

eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 91.35 / 74
p0 −2753 ± 3190
100
50
0
−50
−100
pull
Entries 75
Mean −128
Std Dev 0
2
1
0
−1
−2

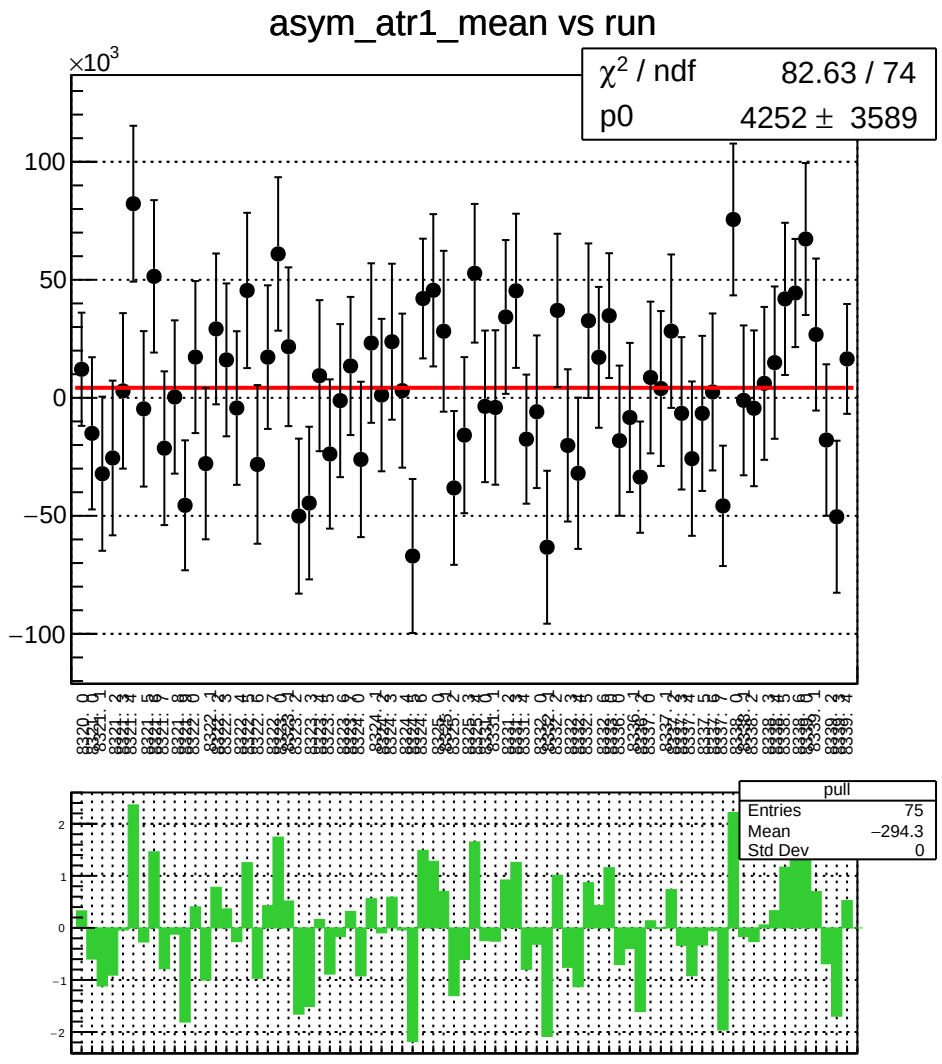

pull1D
Entries 75
Mean −0.007438
Std Dev 1.104
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

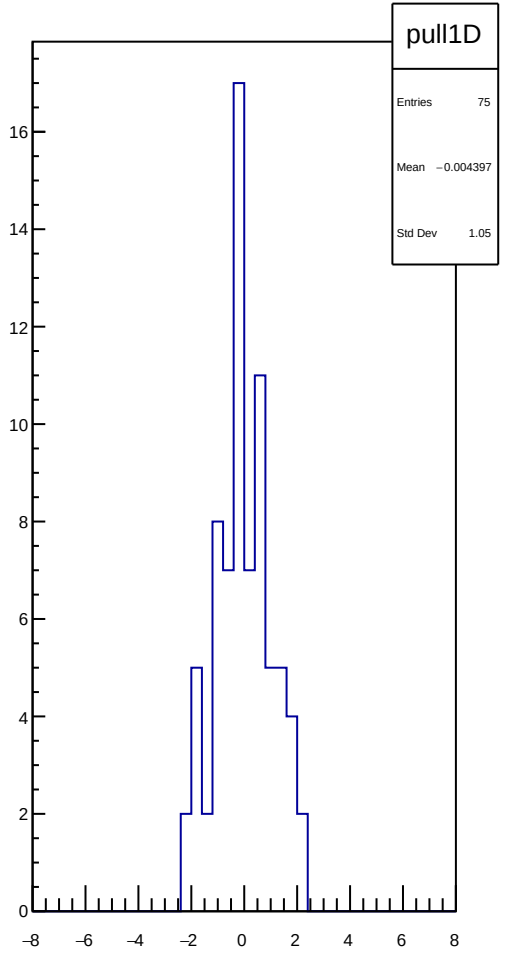

eigen_dit_asym_atr1_rms vs run
χ² / ndf 85.92 / 74
p0 2744 ± 2.256
2820
2800
2780
2760
2740
2720
2700
2680

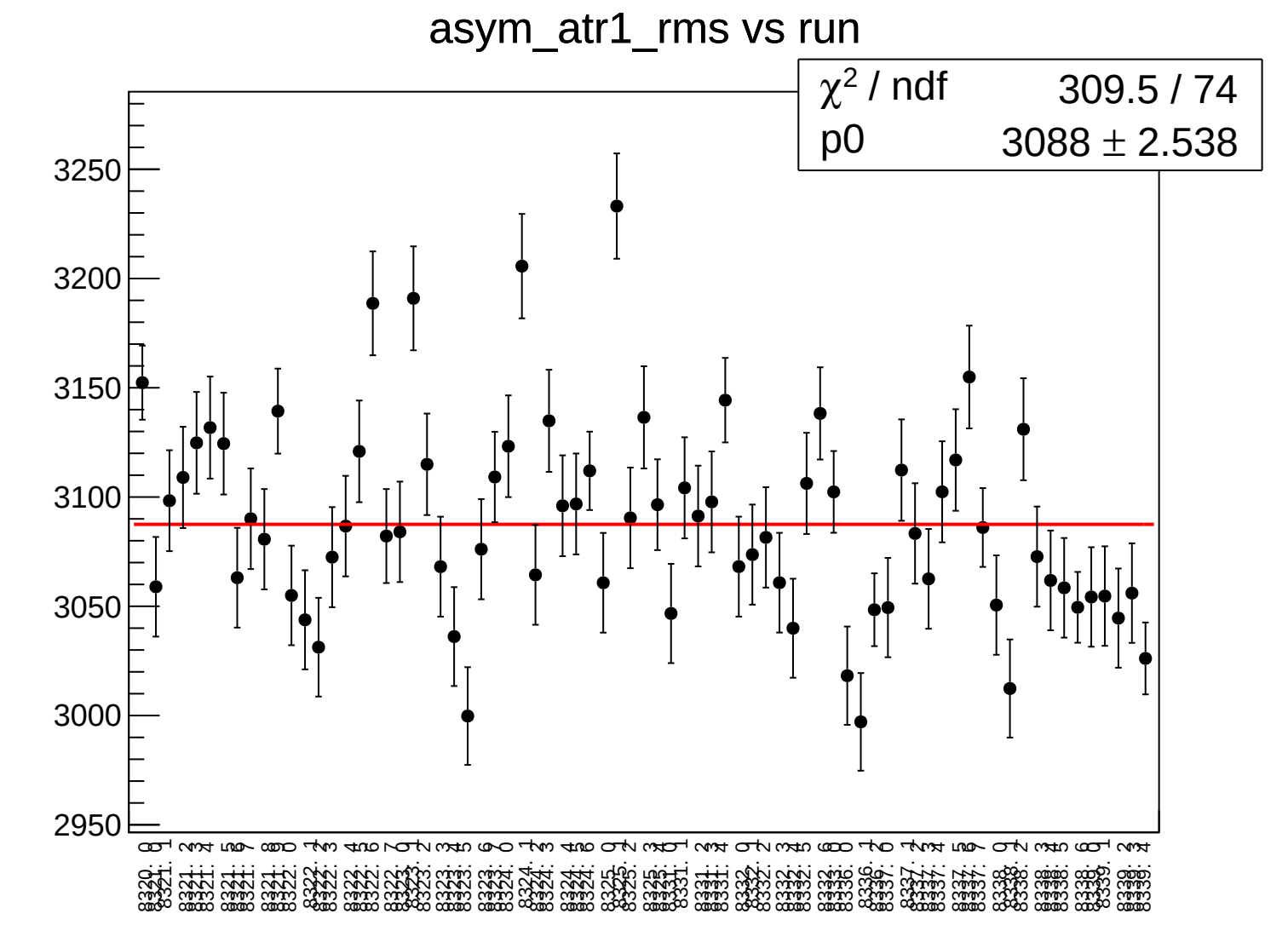

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 82.04 / 74
p0 −6910 ± 1628
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 152.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

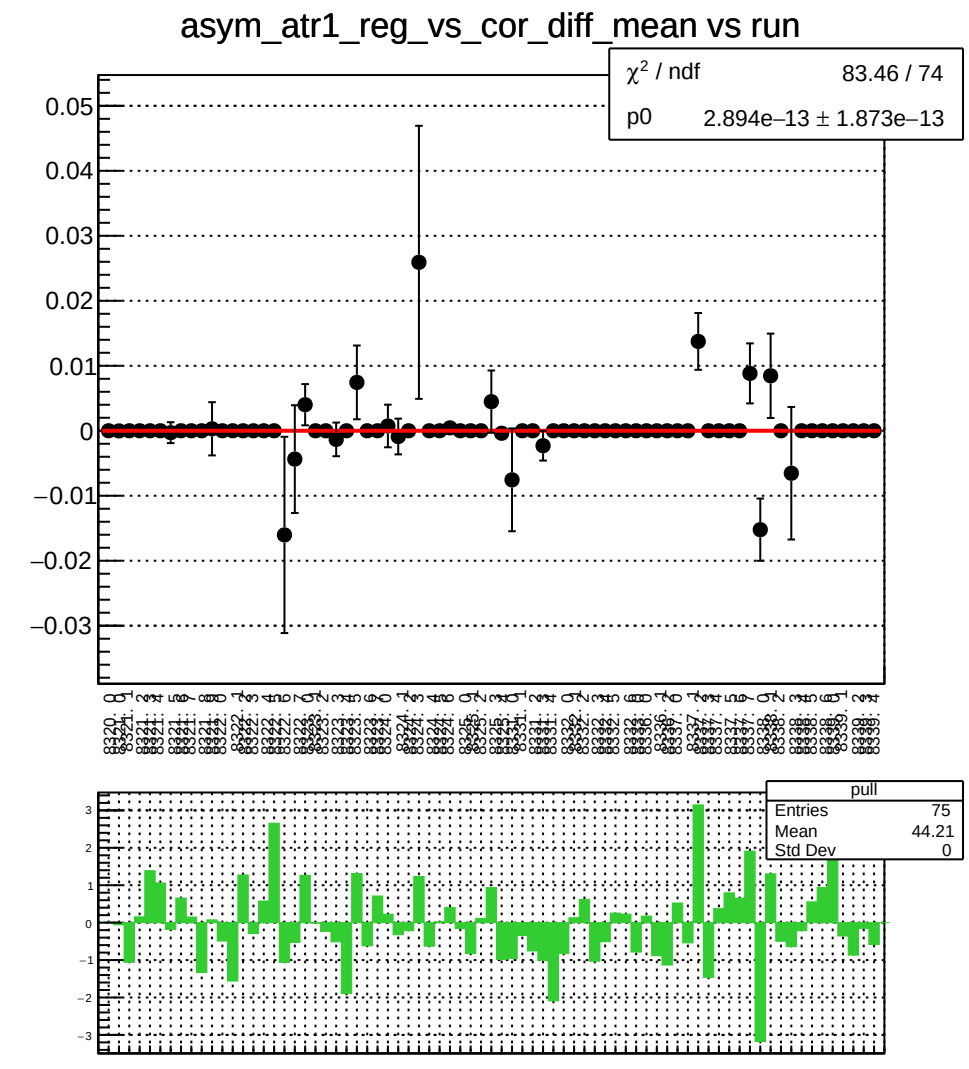

pull1D
Entries 75
Mean −0.007128
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

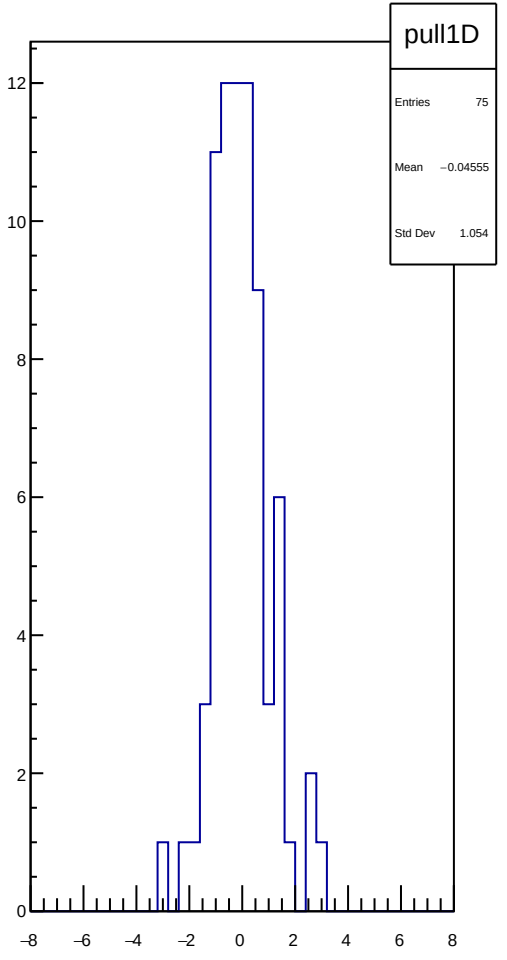

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1.343e+04 / 74
p0 1395 ± 1.152
1800
1700
1600
1500
1400
1300
1200

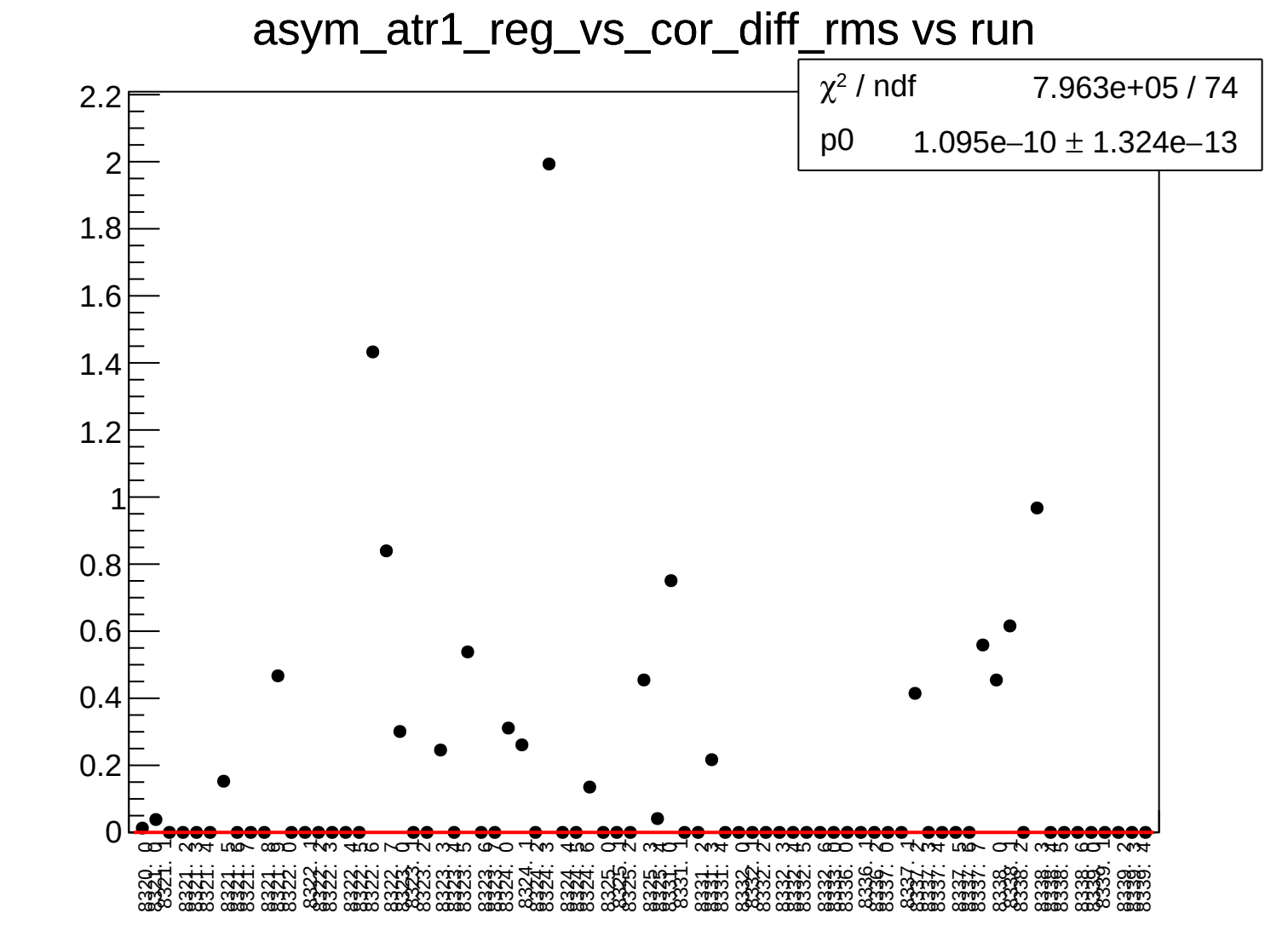

asym_atr1_mean vs run
×10^3
χ² / ndf 82.63 / 74
p0 4252 ± 3589
100
50
0
−50
−100
pull
Entries 75
Mean −294.3
Std Dev 0
2
1
0
−1
−2

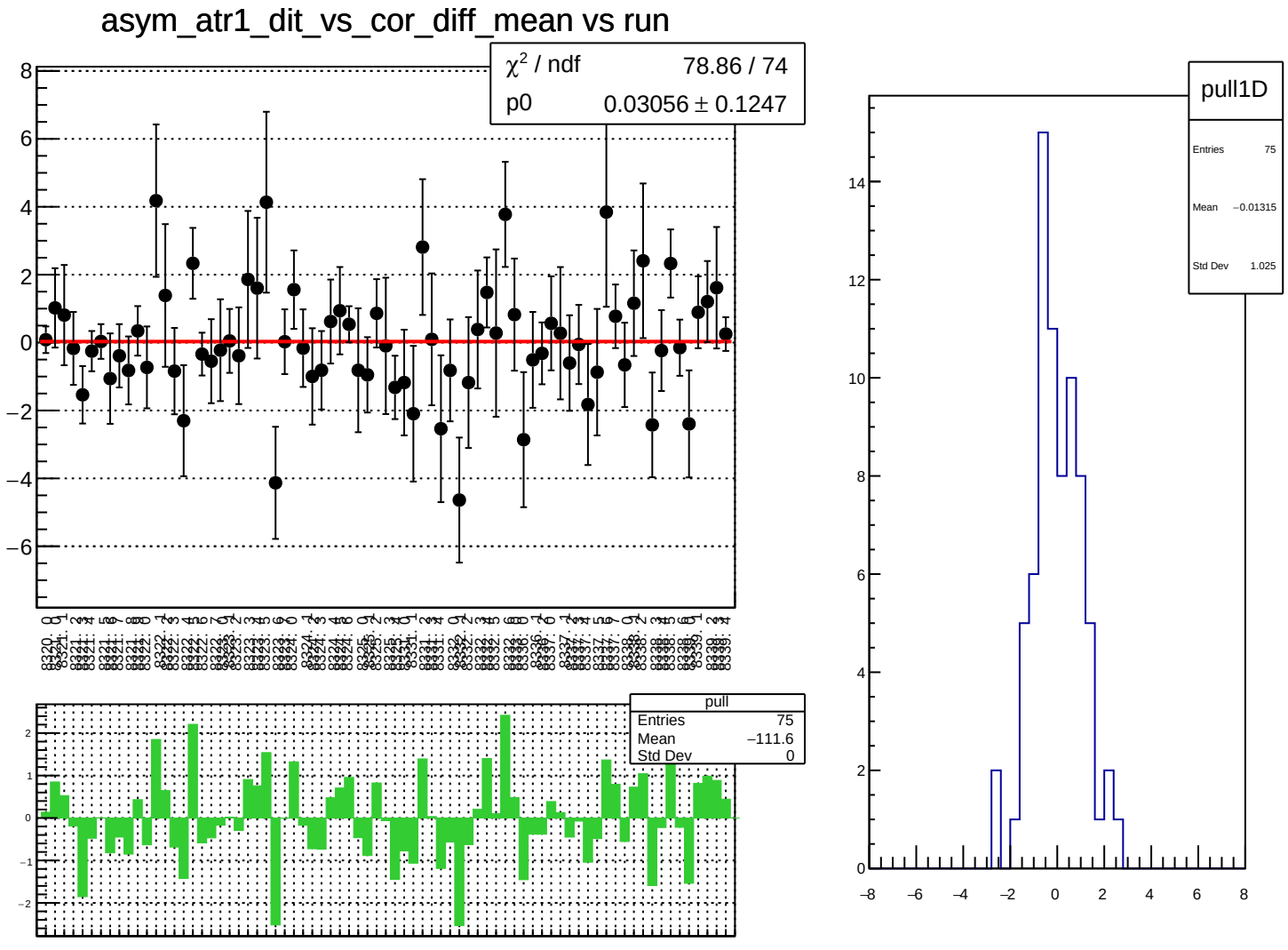

pull1D
Entries 75
Mean −0.004397
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

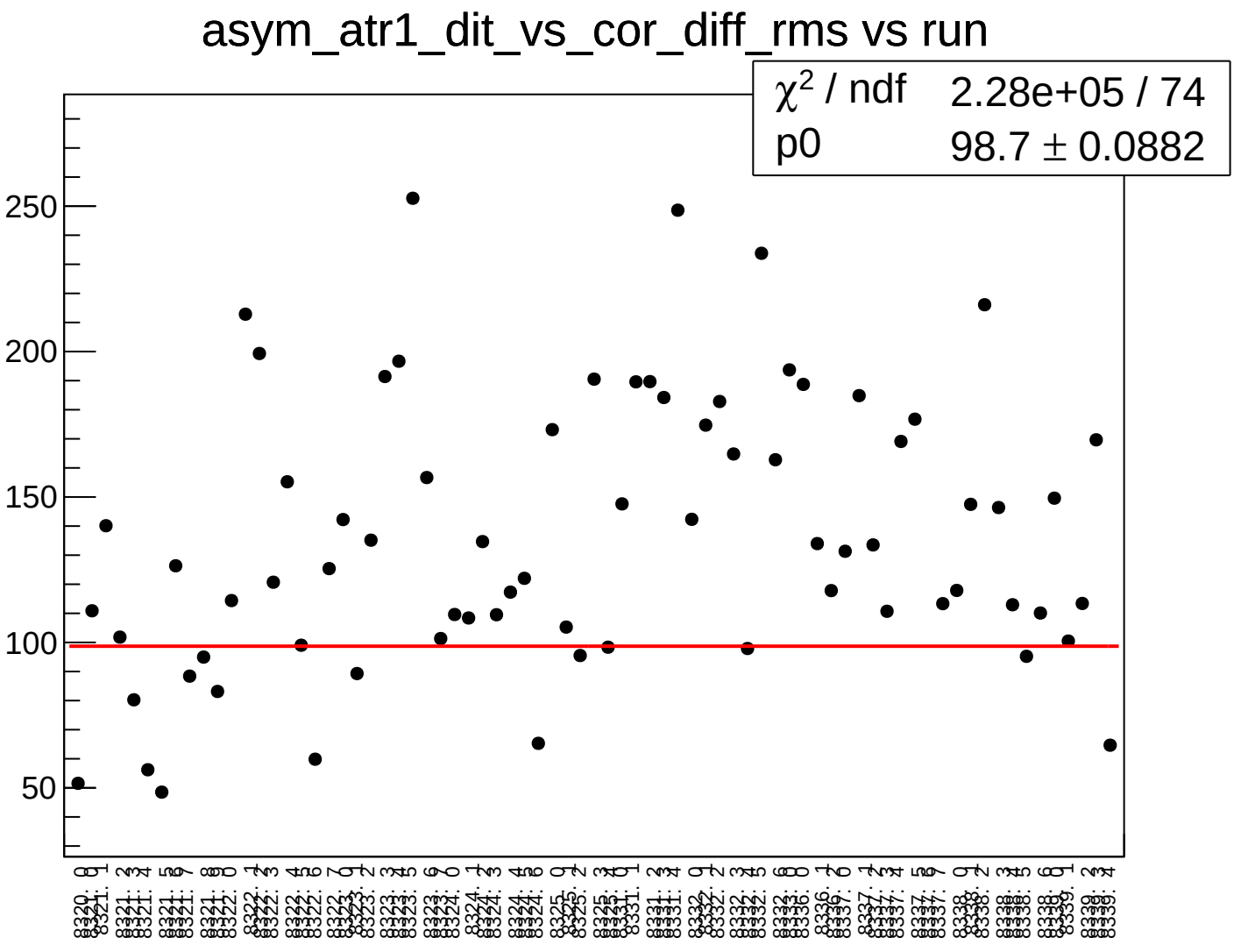

asym_atr1_rms vs run
χ^2 / ndf 309.5 / 74
p0 3088 ± 2.538
3250
3200
3150
3100
3050
3000
2950

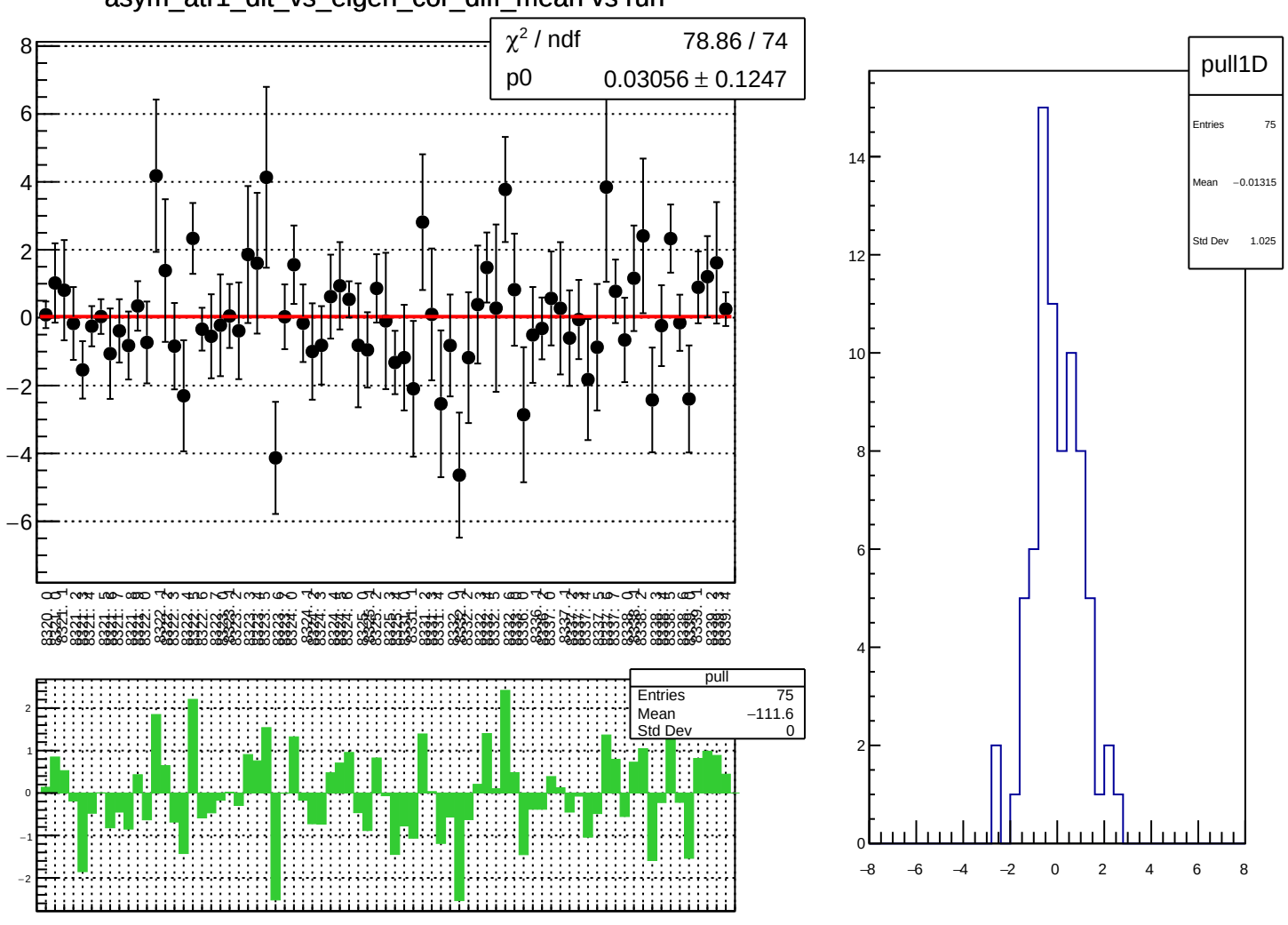

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 83.46 / 74
p0 2.894e−13 ± 1.873e−13
pull
Entries 75
Mean 44.21
Std Dev 0

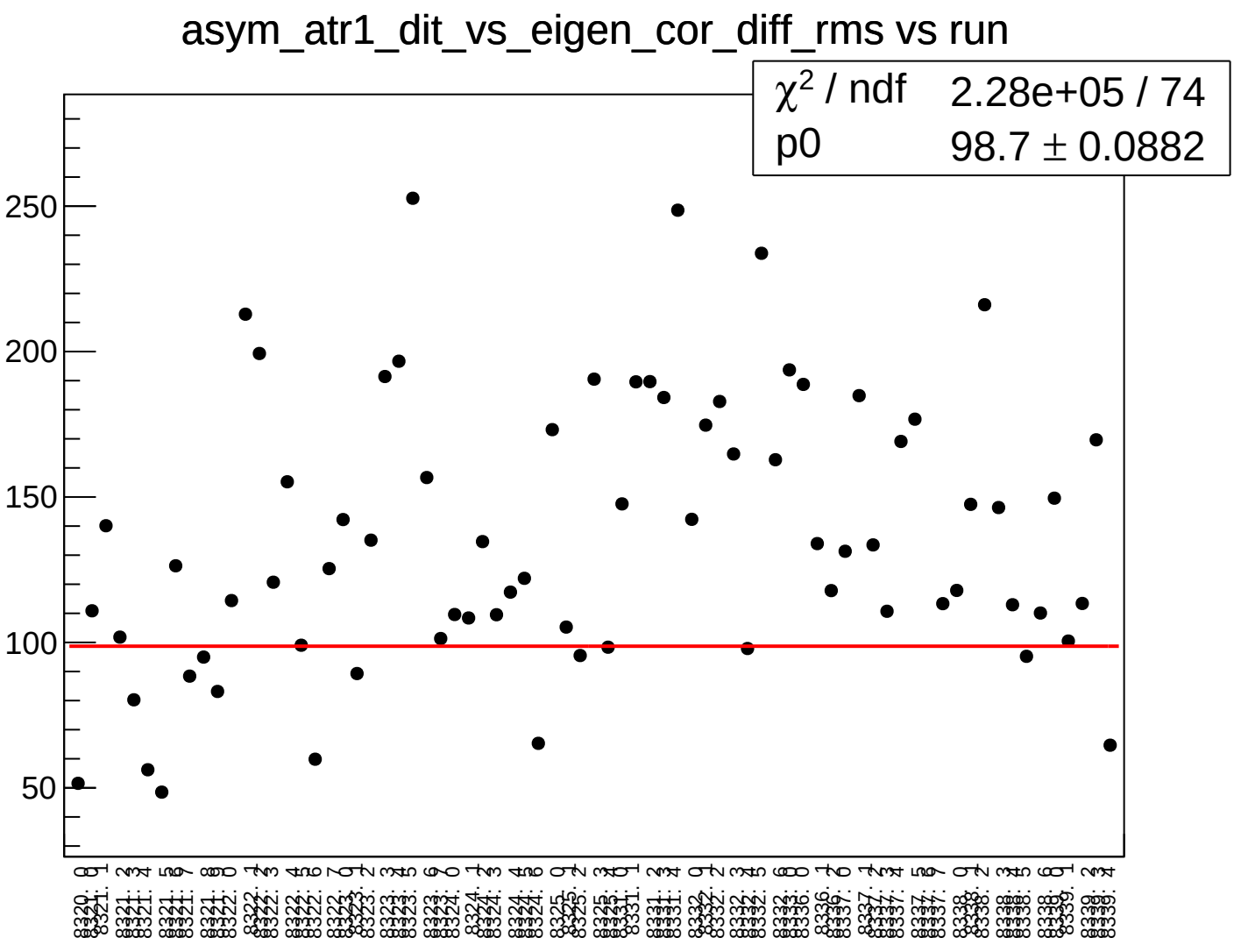

pull1D
Entries 75
Mean −0.04555
Std Dev 1.054

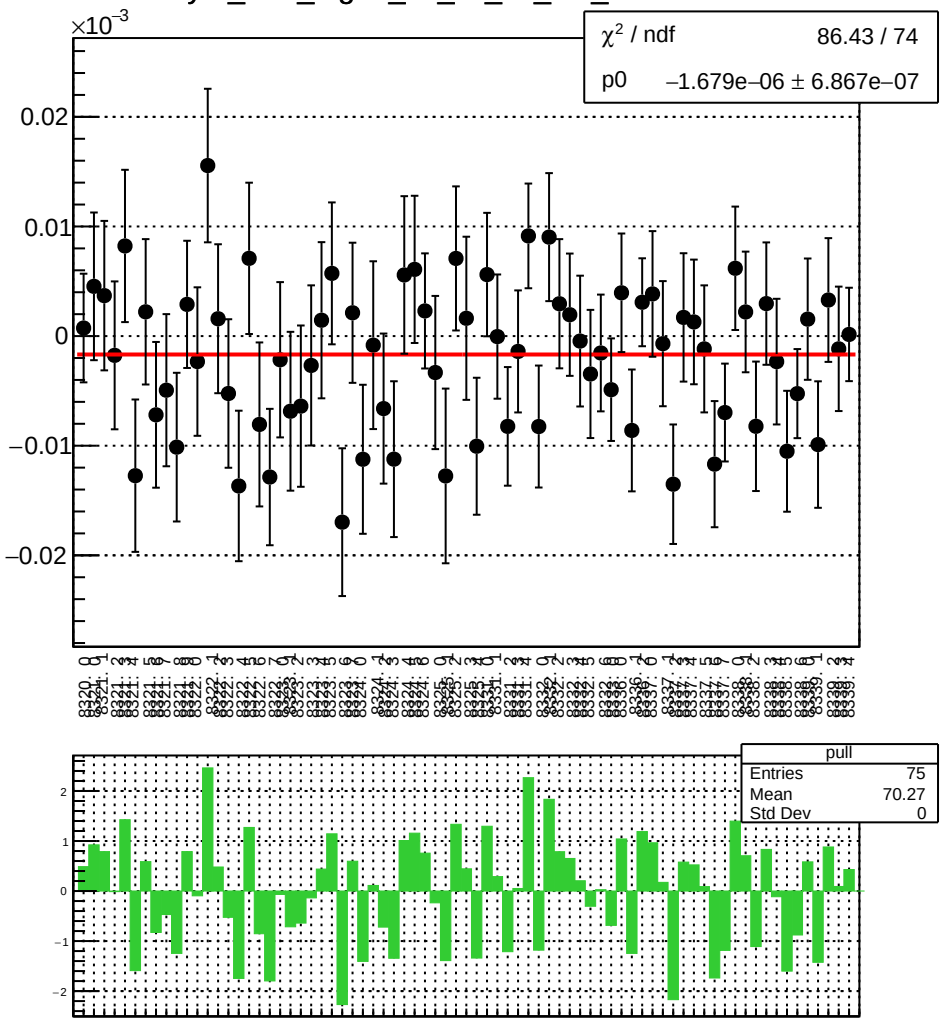

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 7.963e+05 / 74
p0 1.095e−10 ± 1.324e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

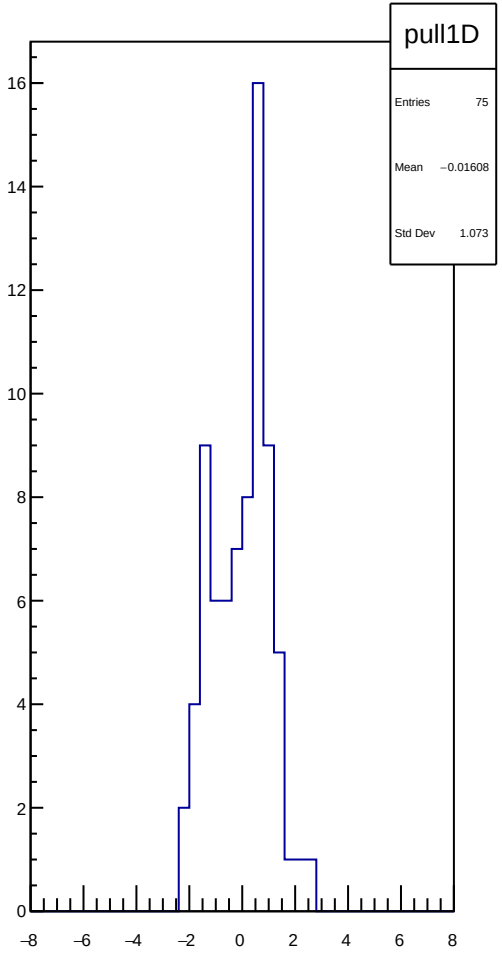

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 78.86 / 74
p0 0.03056 ± 0.1247
pull
Entries 75
Mean −111.6
Std Dev 0
pull1D
Entries 75
Mean −0.01315
Std Dev 1.025

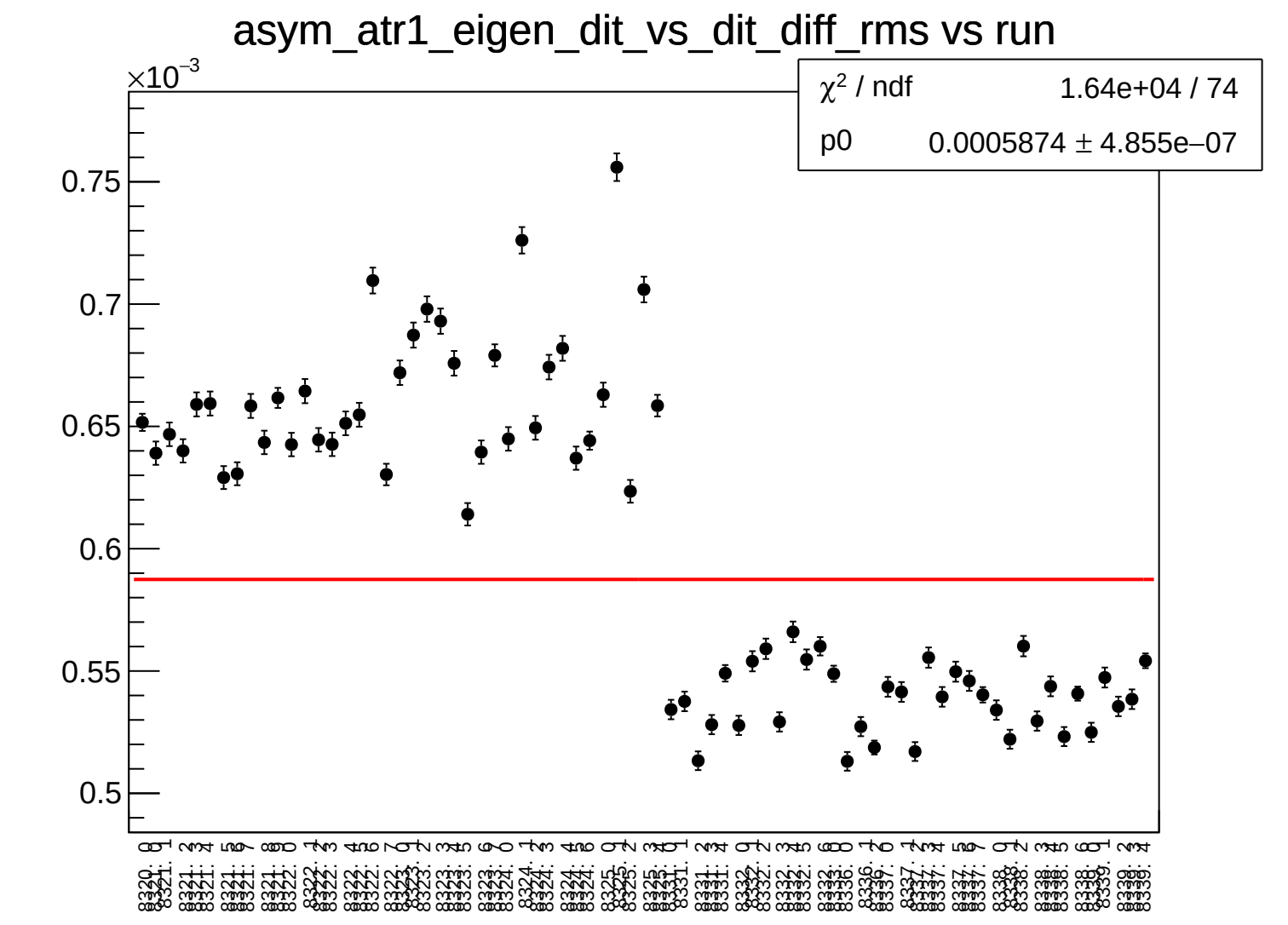

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.28e+05 / 74
p0 98.7 ± 0.0882
250
200
150
100
50

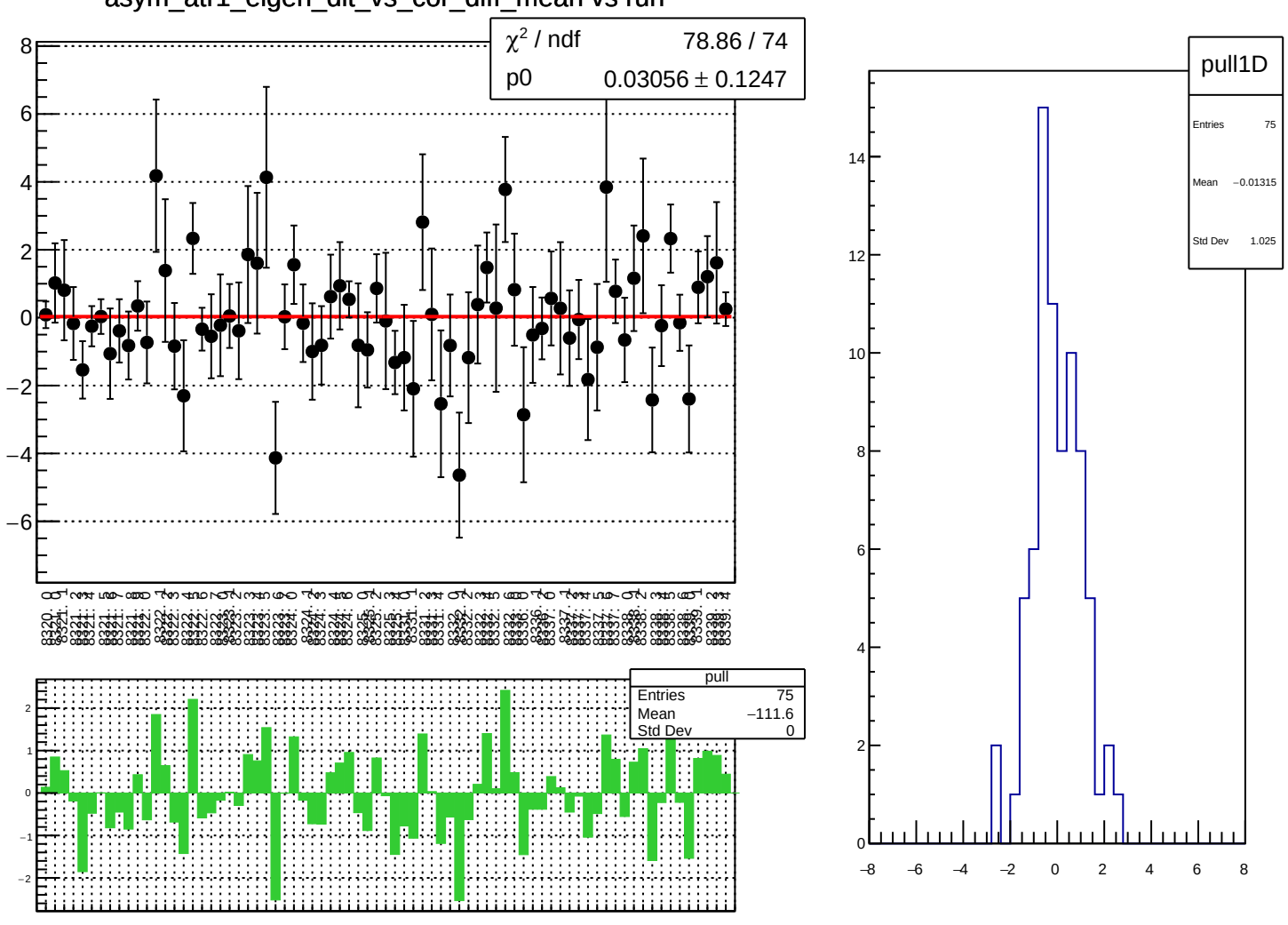

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.86 / 74
p0 0.03056 ± 0.1247
pull
Entries 75
Mean −111.6
Std Dev 0
pull1D
Entries 75
Mean −0.01315
Std Dev 1.025

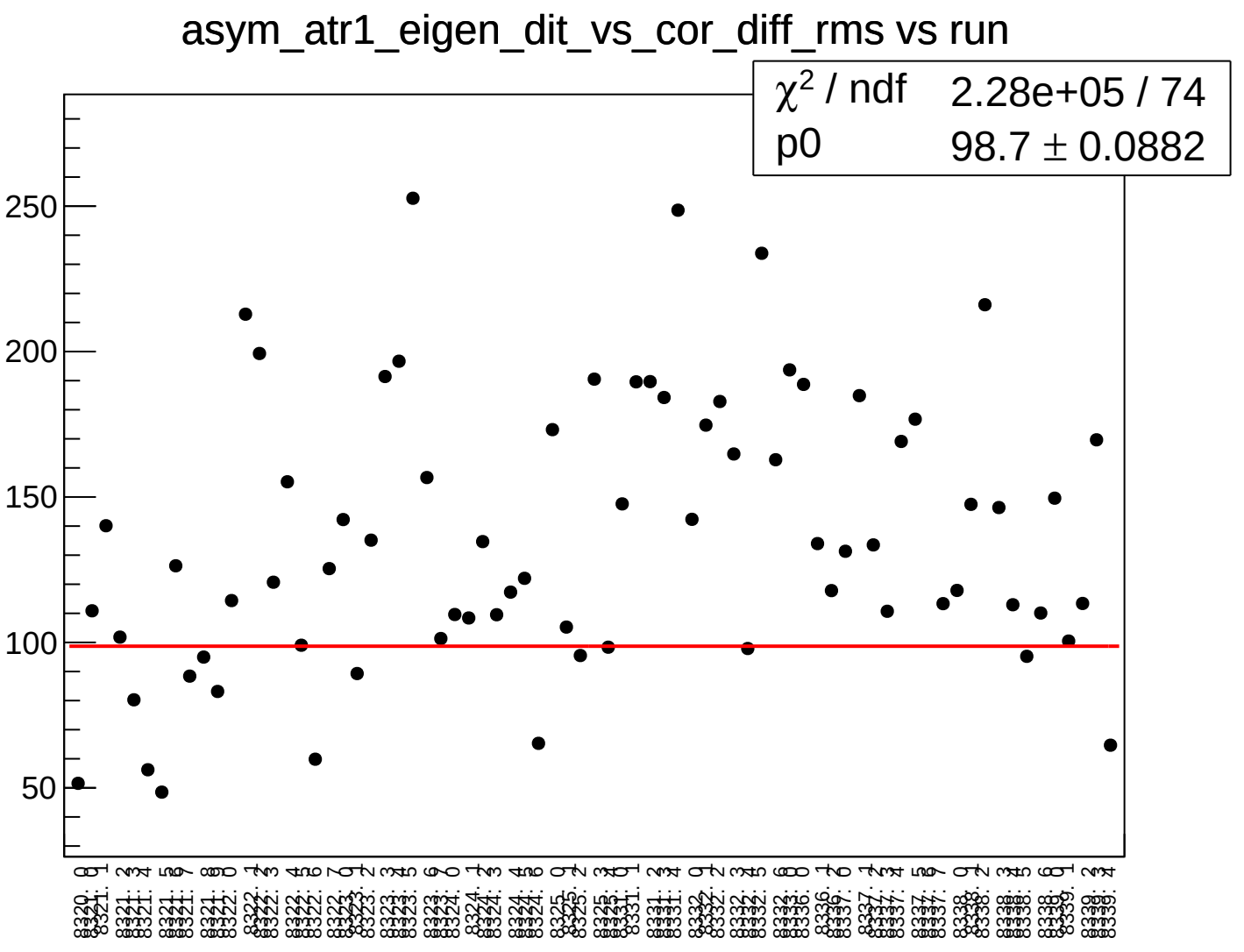

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.28e+05 / 74
p0 98.7 ± 0.0882
250
200
150
100
50

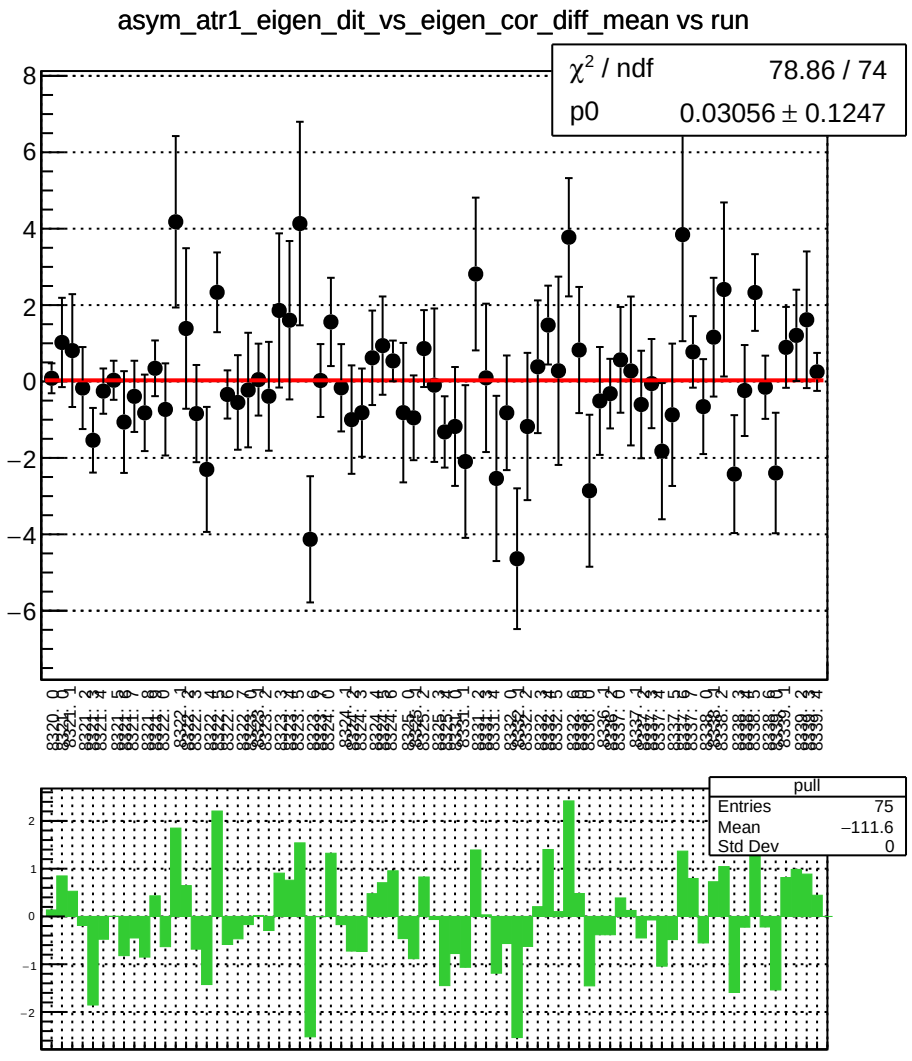

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.43 / 74
p0 −1.679e−06 ± 6.867e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean 70.27
Std Dev 0
2
1
0
−1
−2

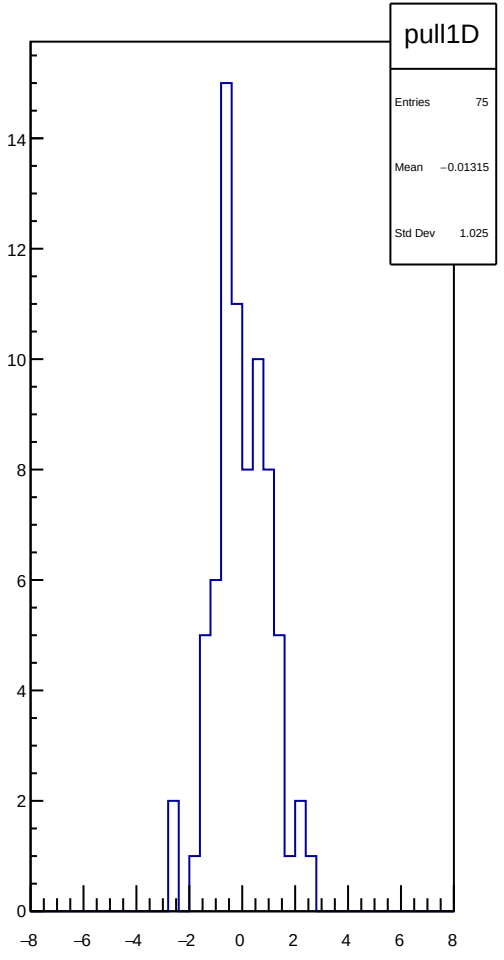

pull1D
Entries 75
Mean −0.01608
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

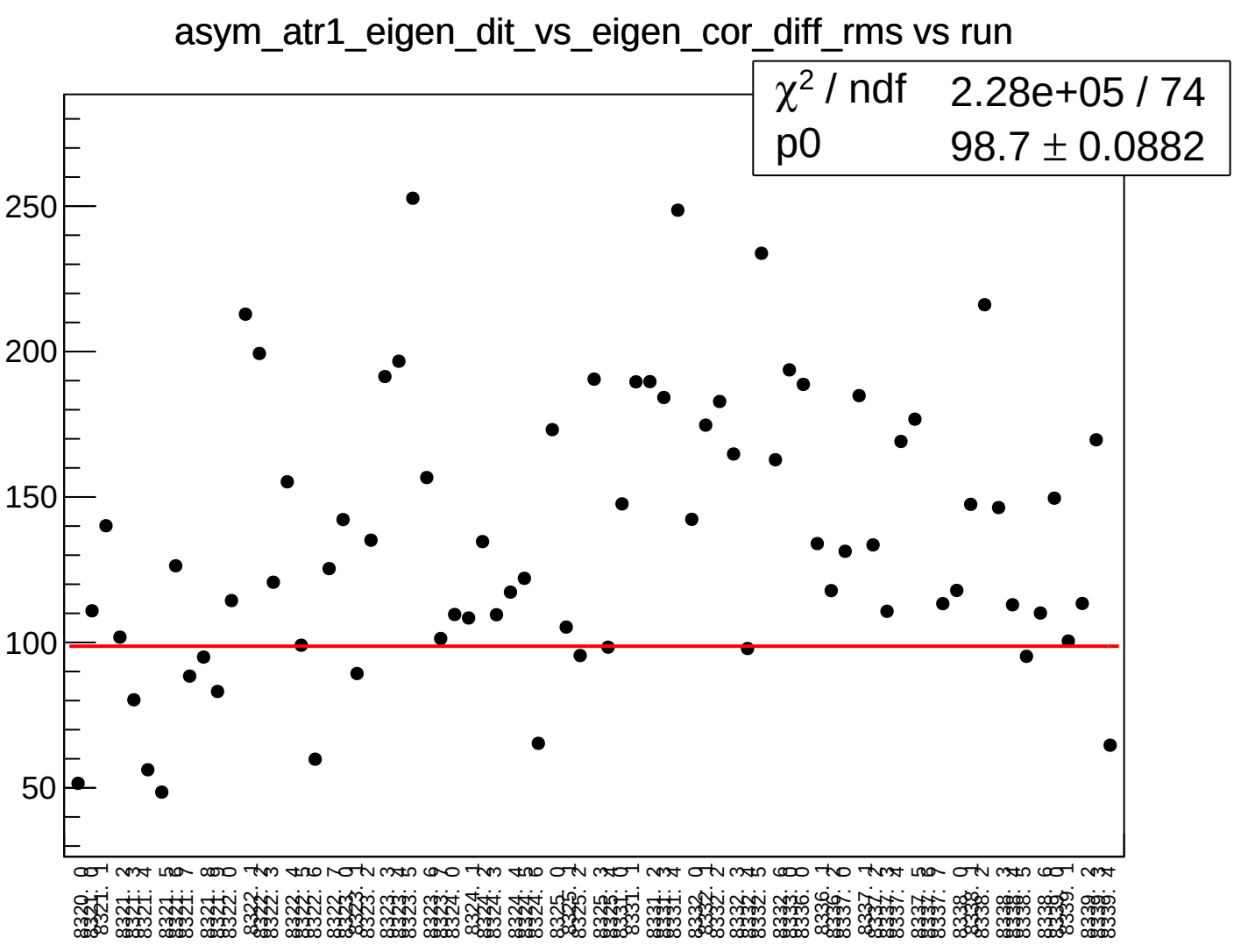

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.64e+04 / 74
p0 0.0005874 ± 4.855e−07
0.75
0.7
0.65
0.6
0.55
0.5

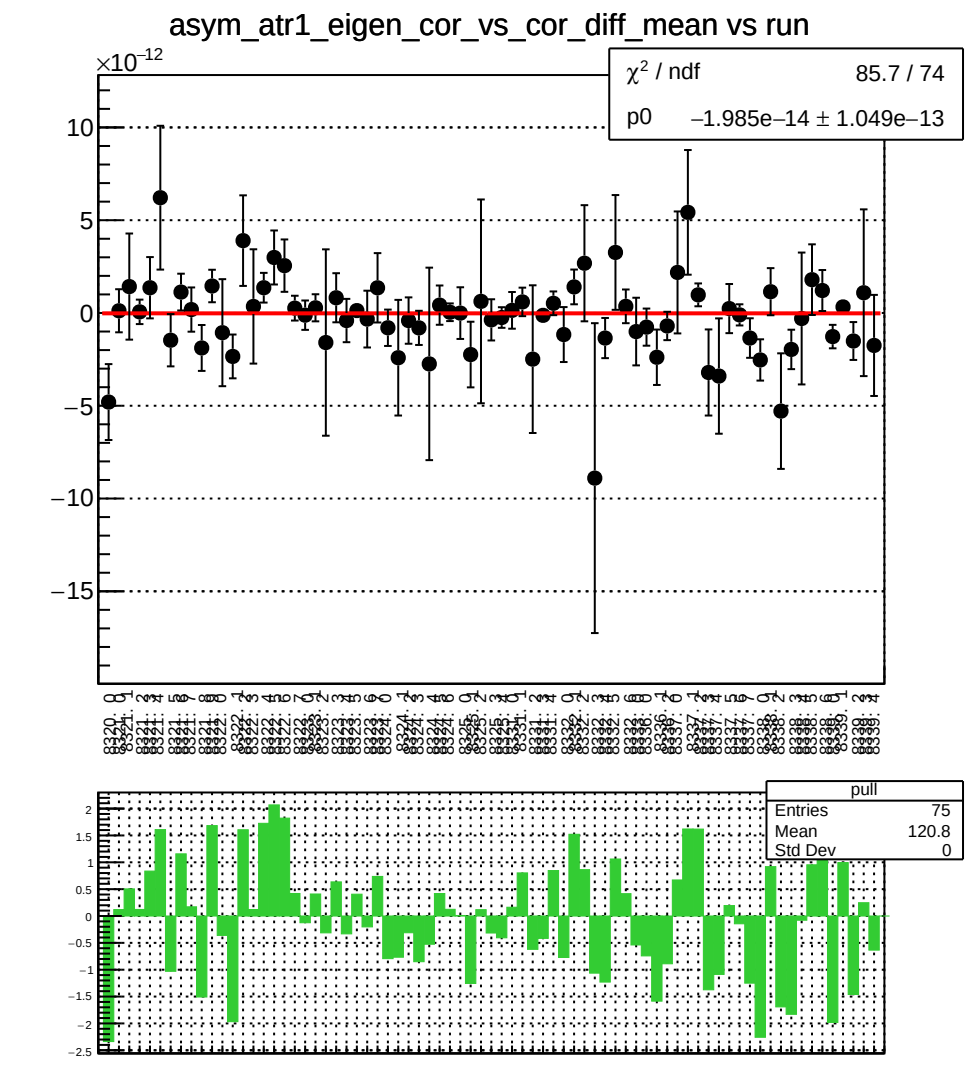

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.86 / 74
p0 0.03056 ± 0.1247
pull
Entries 75
Mean −111.6
Std Dev 0
pull1D
Entries 75
Mean −0.01315
Std Dev 1.025

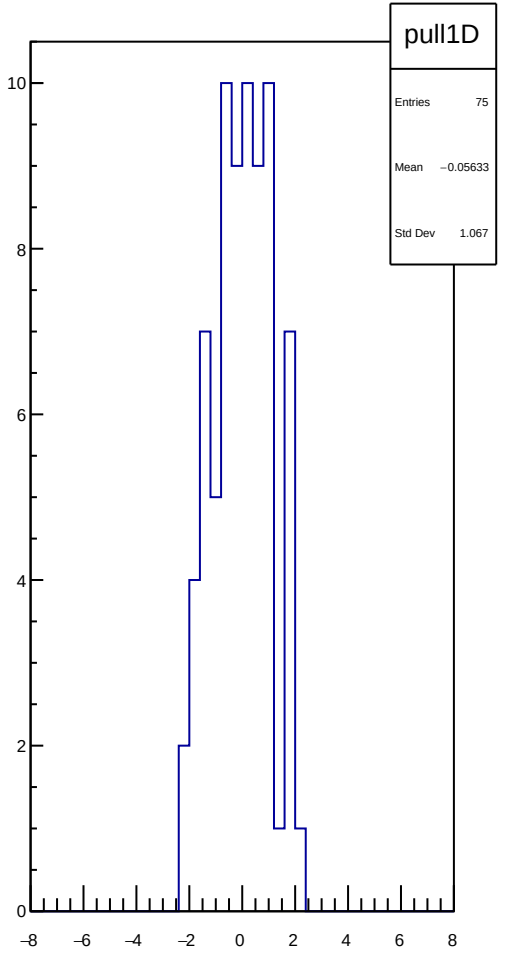

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.28e+05 / 74
p0 98.7 ± 0.0882
250
200
150
100
50

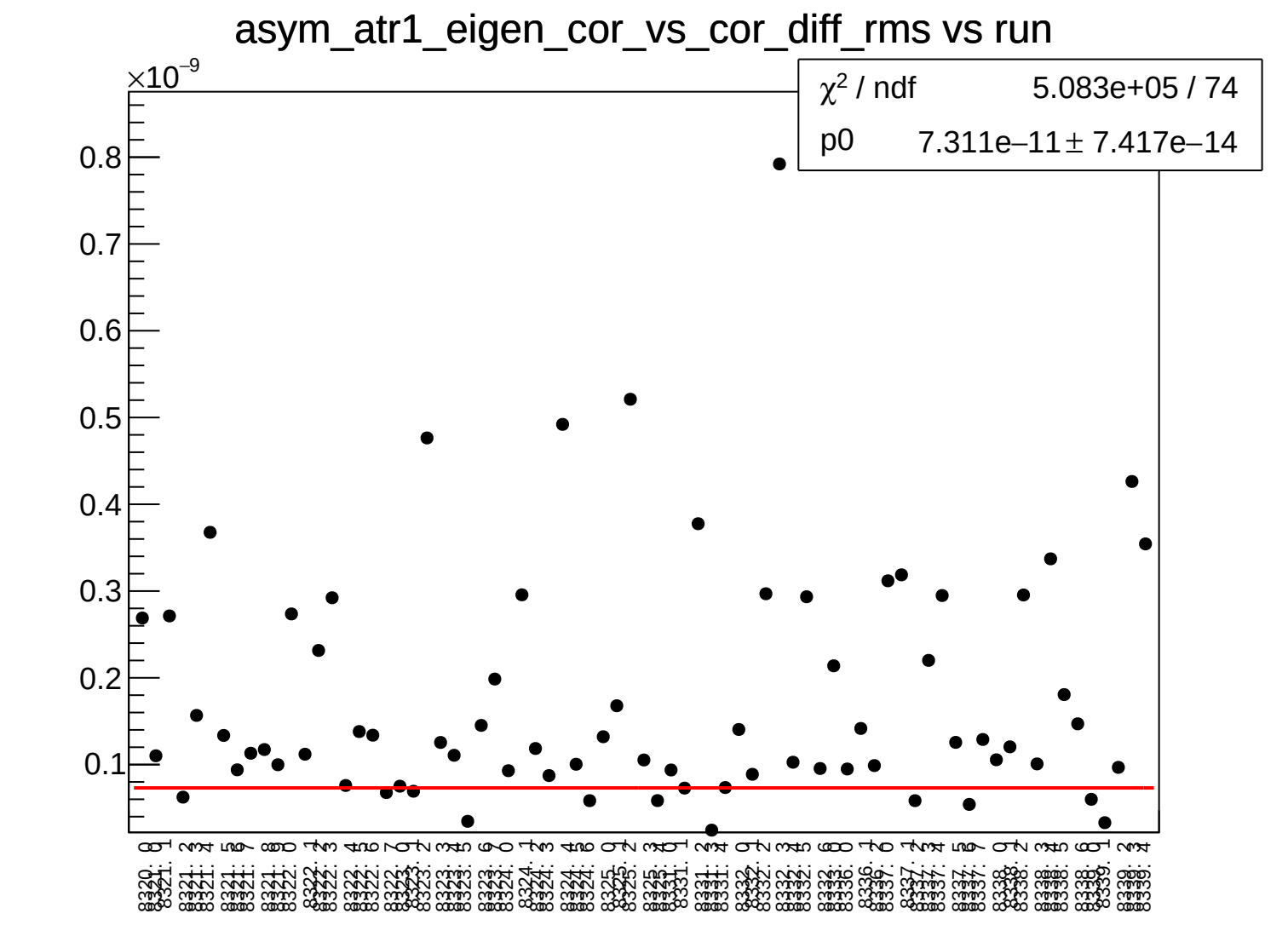

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.86 / 74
p0 0.03056 ± 0.1247
pull
Entries 75
Mean −111.6
Std Dev 0

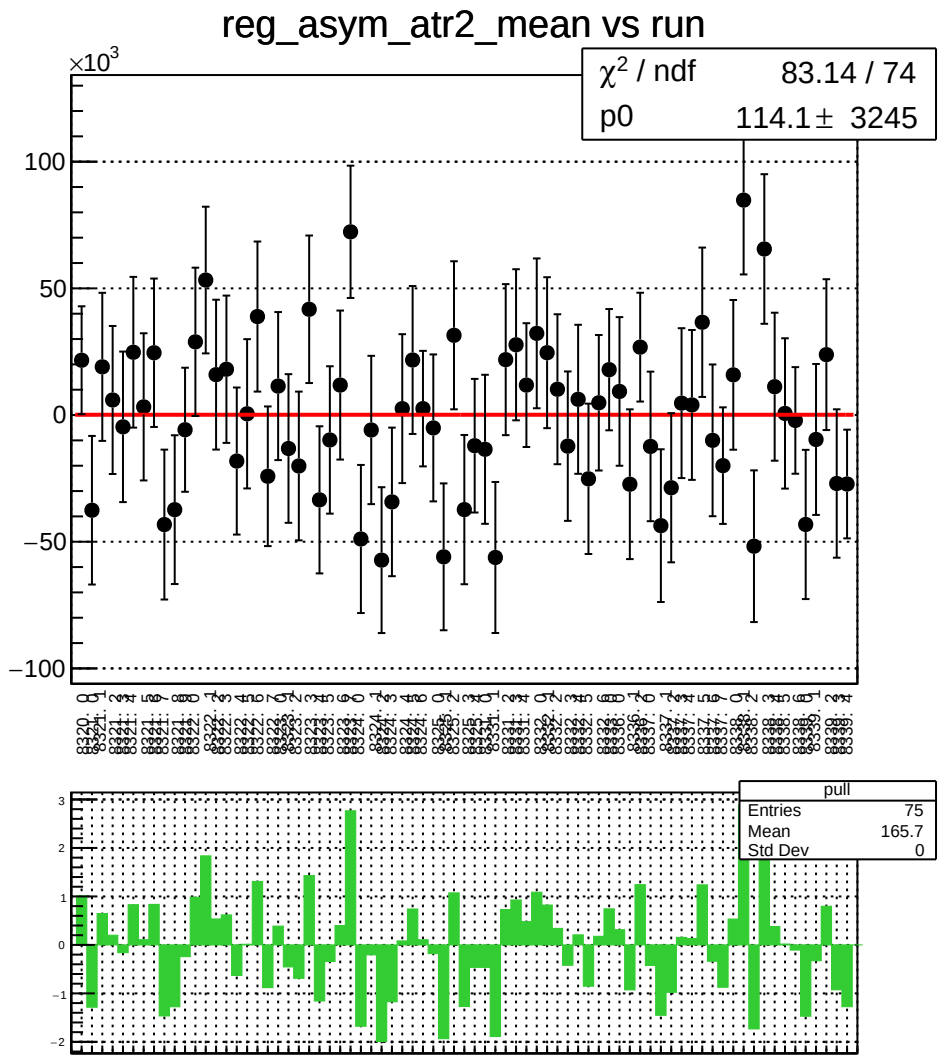

pull1D
Entries 75
Mean −0.01315
Std Dev 1.025

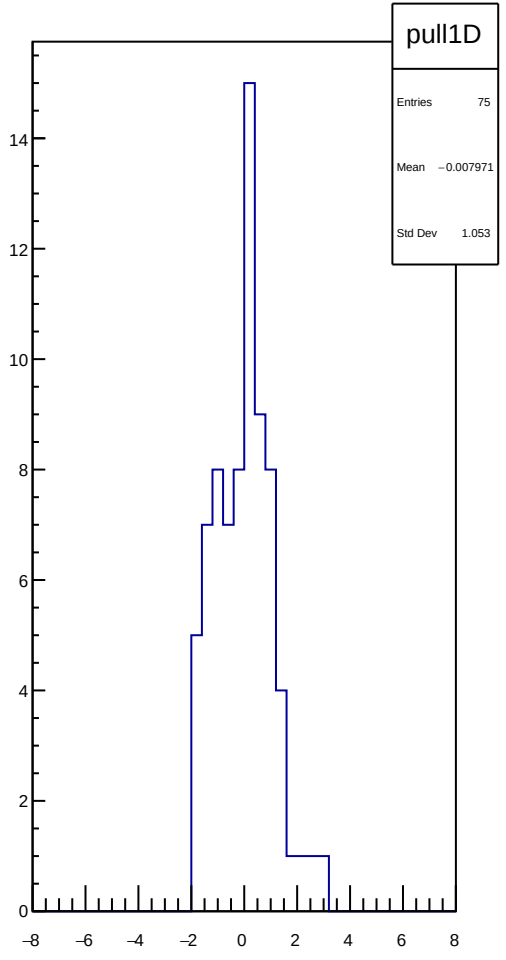

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.28e+05 / 74
p0 98.7 ± 0.0882
250
200
150
100
50

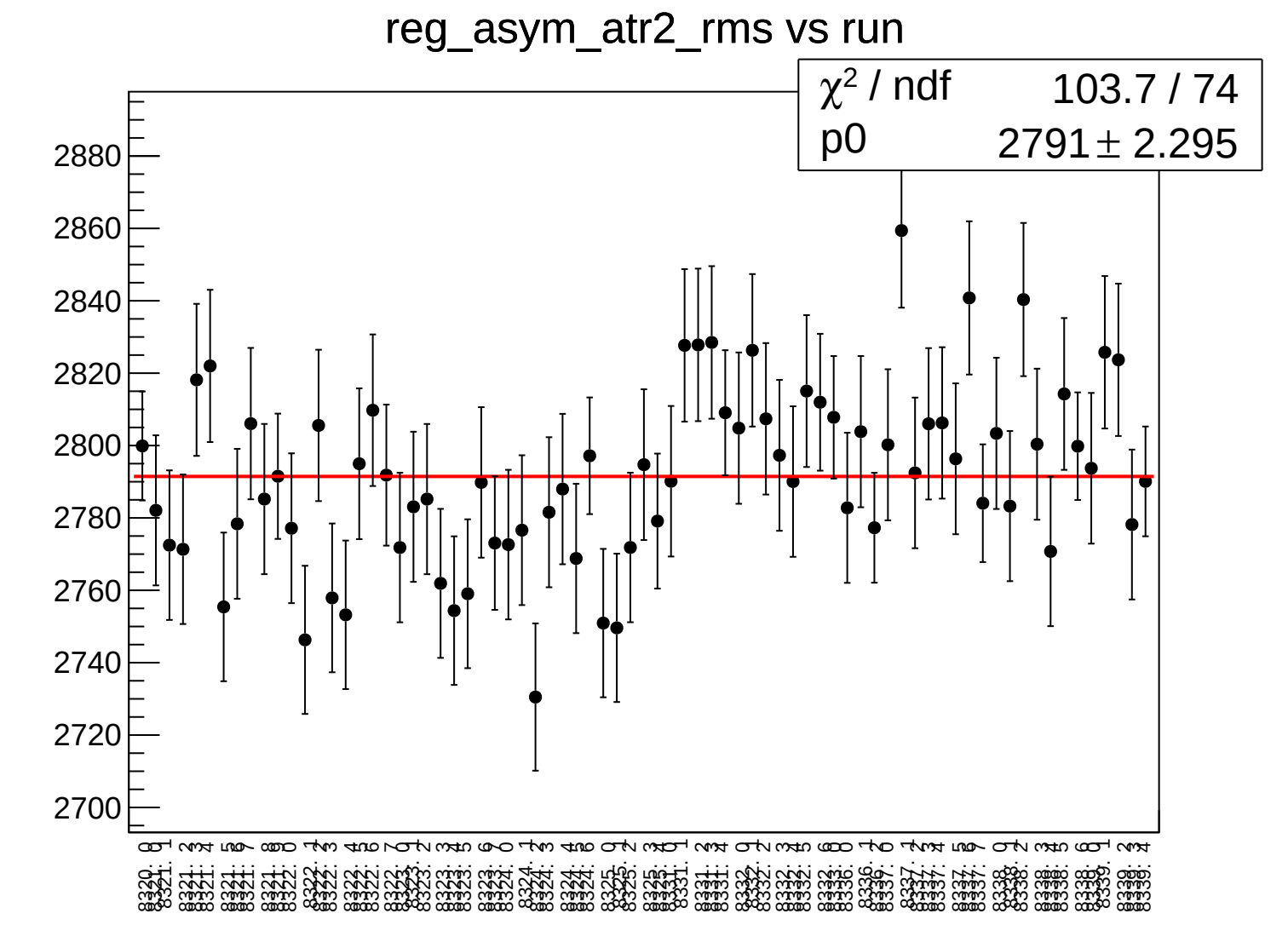

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.7 / 74
p0 −1.985e−14 ± 1.049e−13
pull
Entries 75
Mean 120.8
Std Dev 0

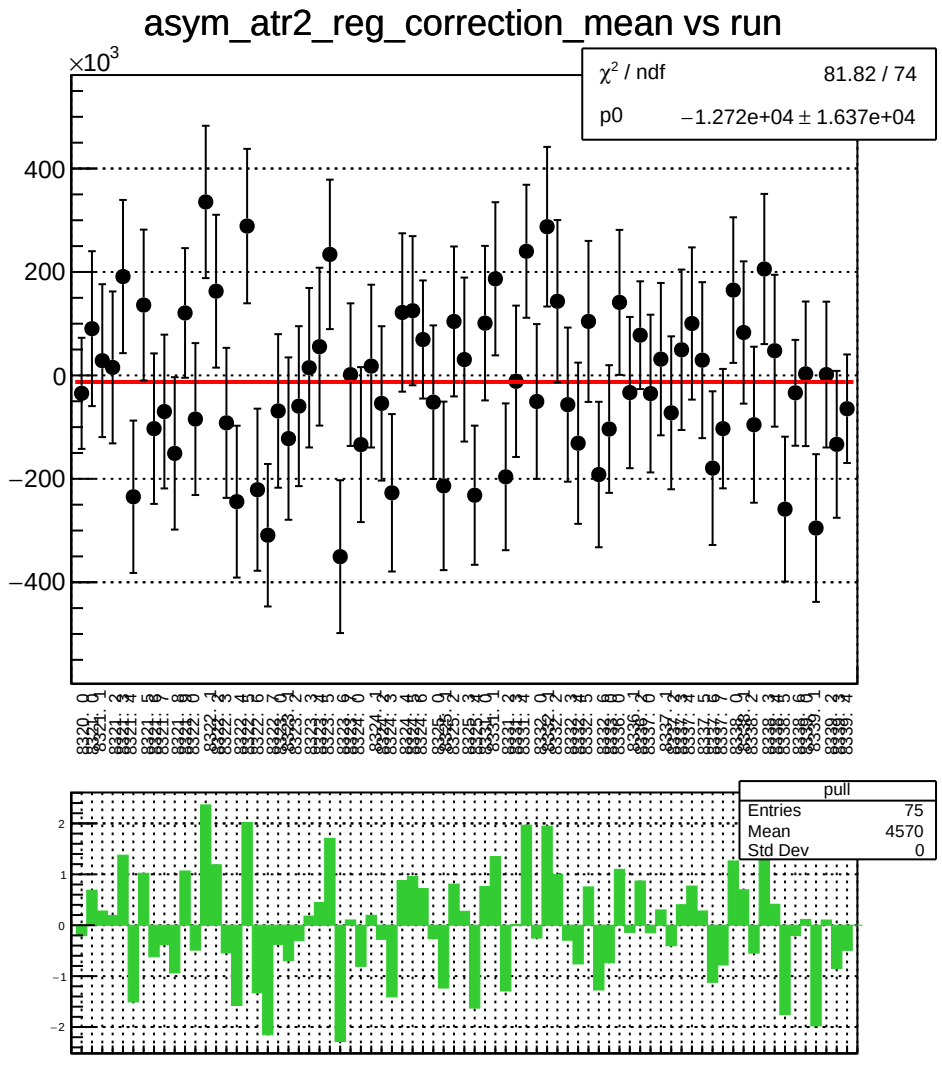

pull1D
Entries 75
Mean −0.05633
Std Dev 1.067

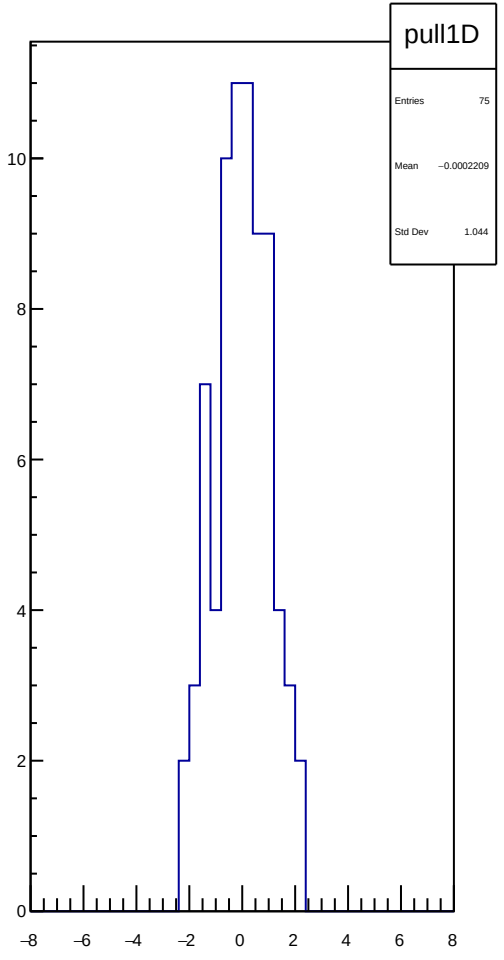

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.083e+05 / 74
p0 7.311e−11 ± 7.417e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1


reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 83.14 / 74
p0 114.1 ± 3245
100
50
0
−50
−100
pull
Entries 75
Mean 165.7
Std Dev 0
3
2
1
0
−1
−2

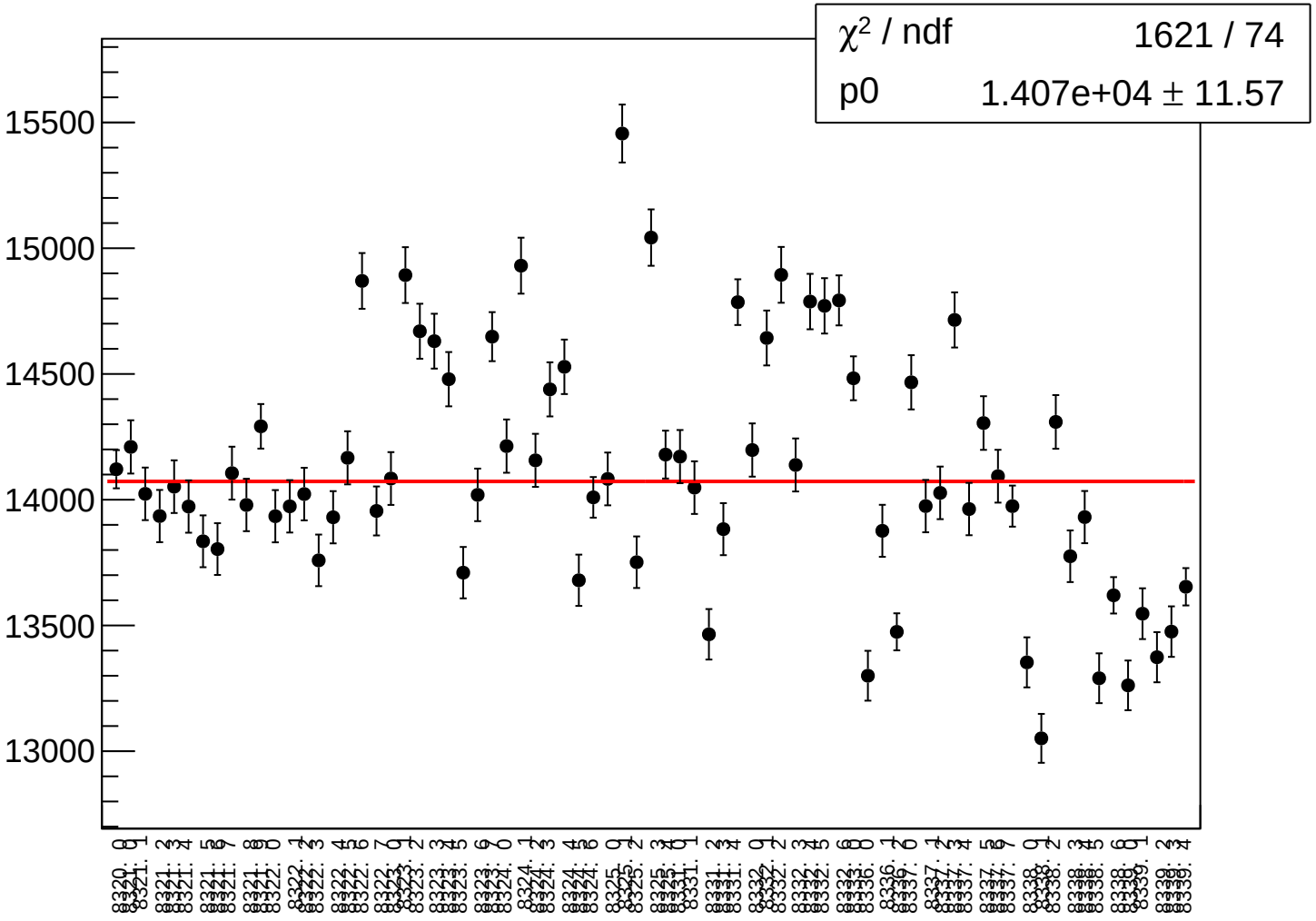

pull1D
Entries 75
Mean −0.007971
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

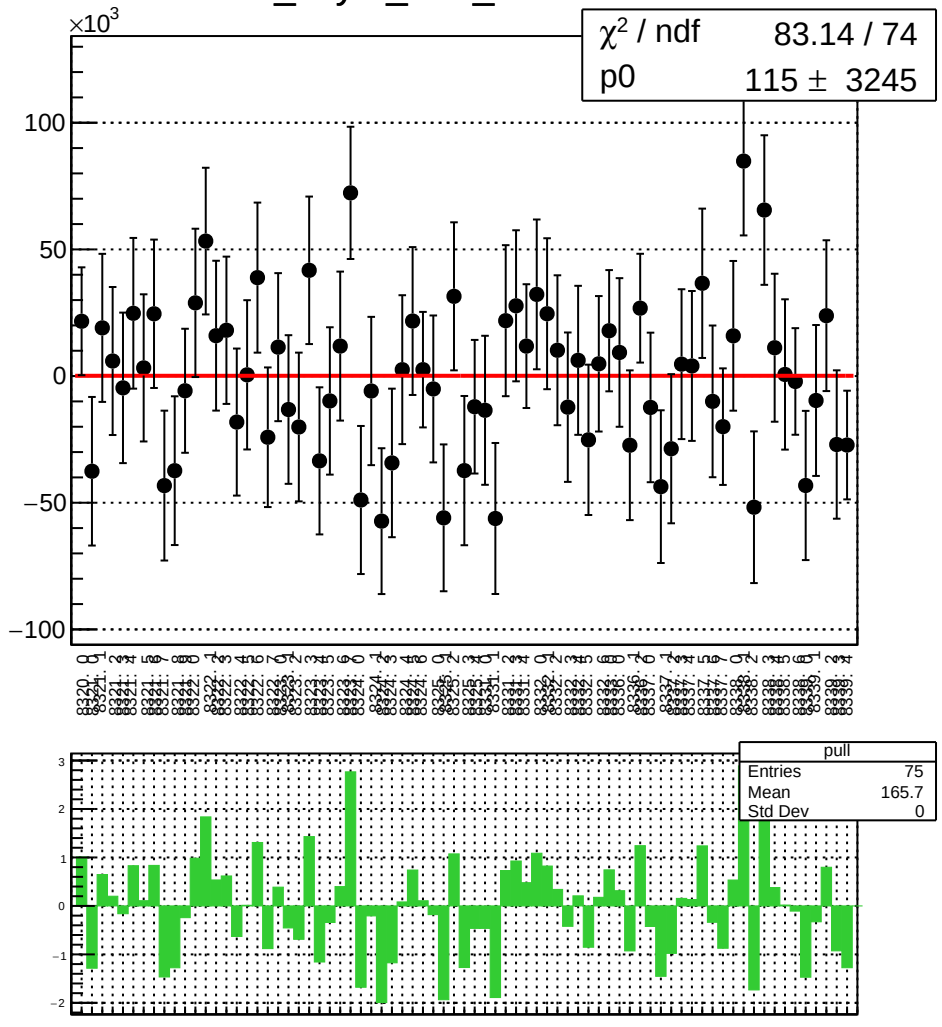

reg_asym_atr2_rms vs run
χ² / ndf 103.7 / 74
p0 2791 ± 2.295
2880
2860
2840
2820
2800
2780
2760
2740
2720
2700

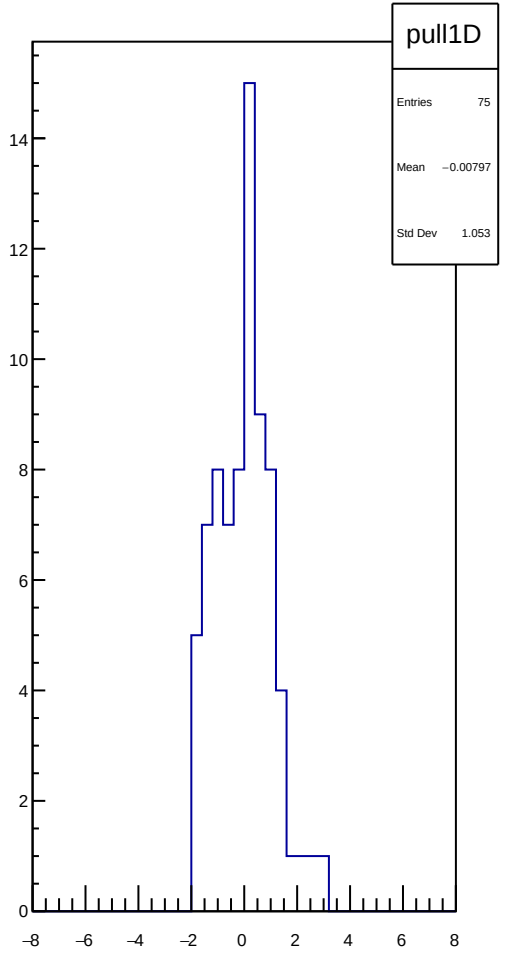

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 81.82 / 74
p0 −1.272e+04 ± 1.637e+04
400
200
0
−200
−400
pull
Entries 75
Mean 4570
Std Dev 0
2
1
0
−1
−2

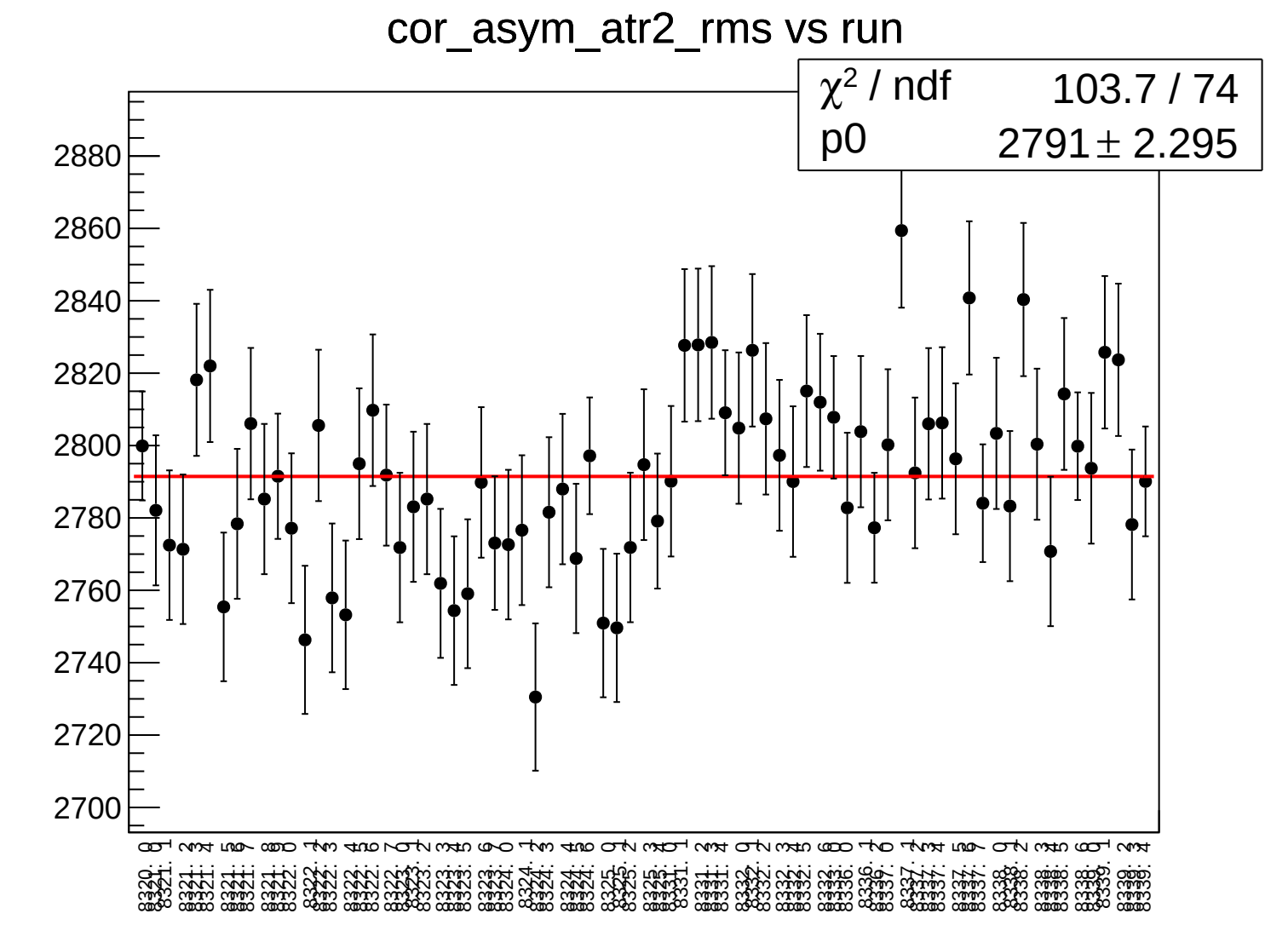

pull1D
Entries 75
Mean −0.0002209
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

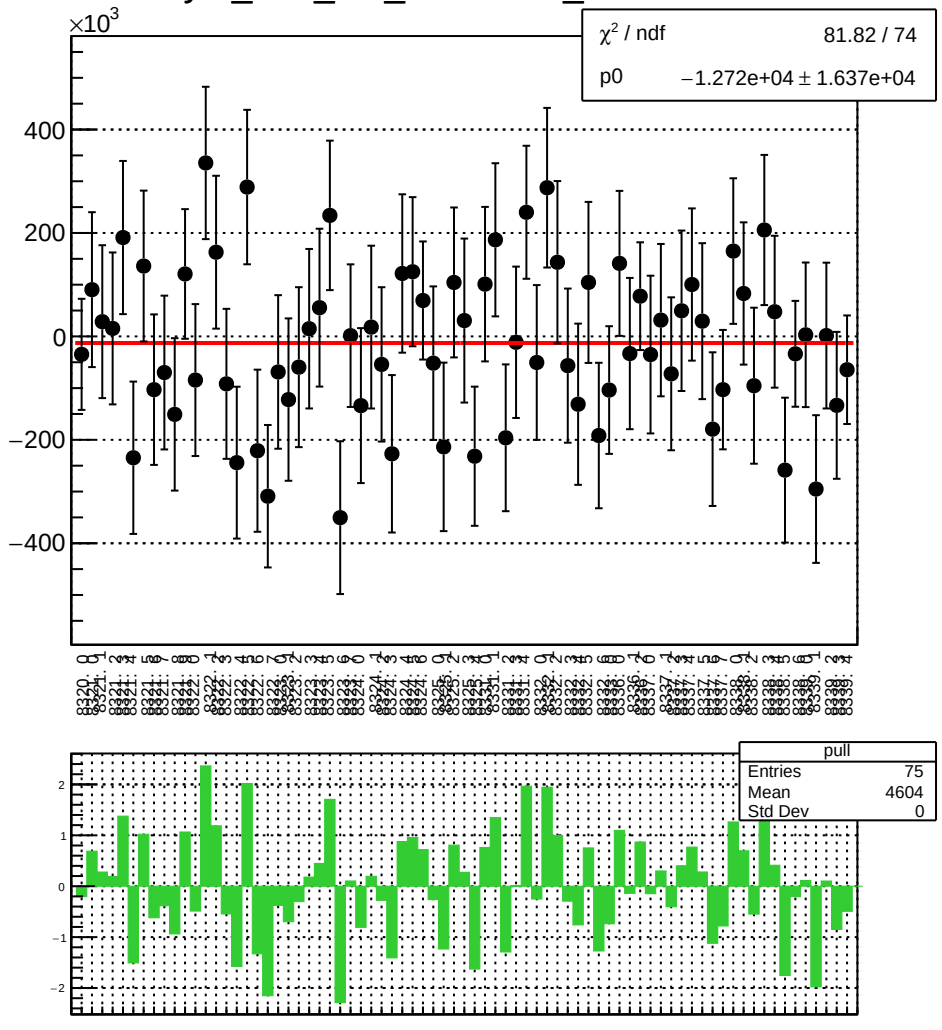
asym_atr2_reg_correction_rms vs run

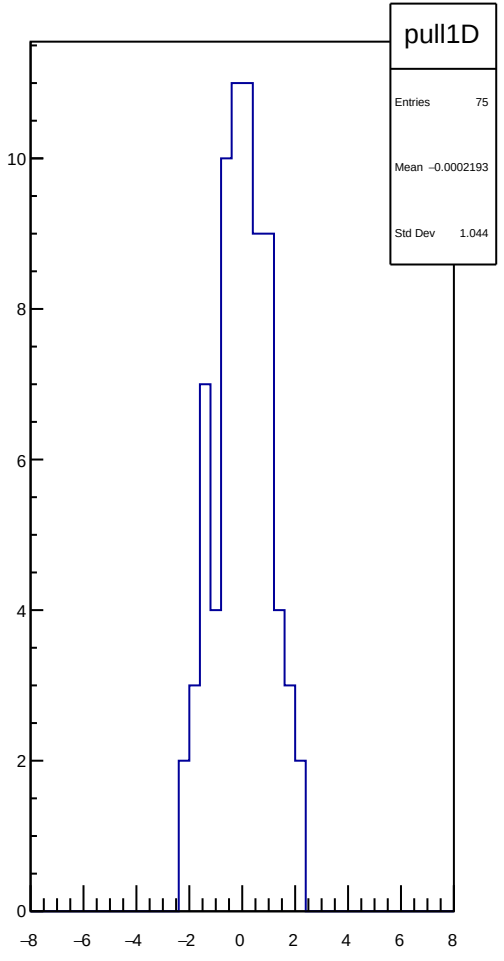


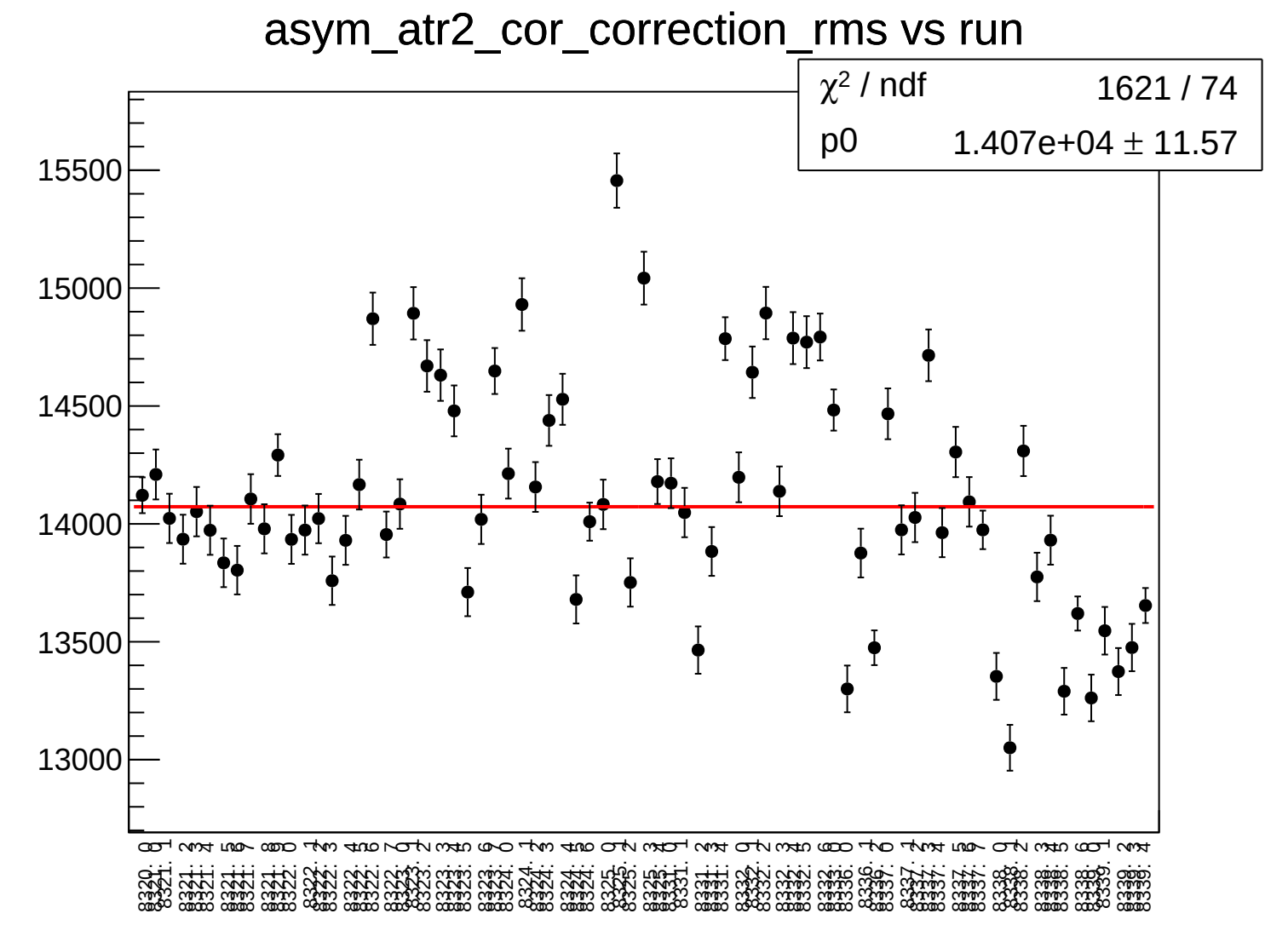

cor_asym_atr2_mean vs run
χ^2 / ndf 83.14 / 74
p0 115 ± 3245
×10^3
100
50
0
−50
−100
pull
Entries 75
Mean 165.7
Std Dev 0
3
2
1
0
−1
−2

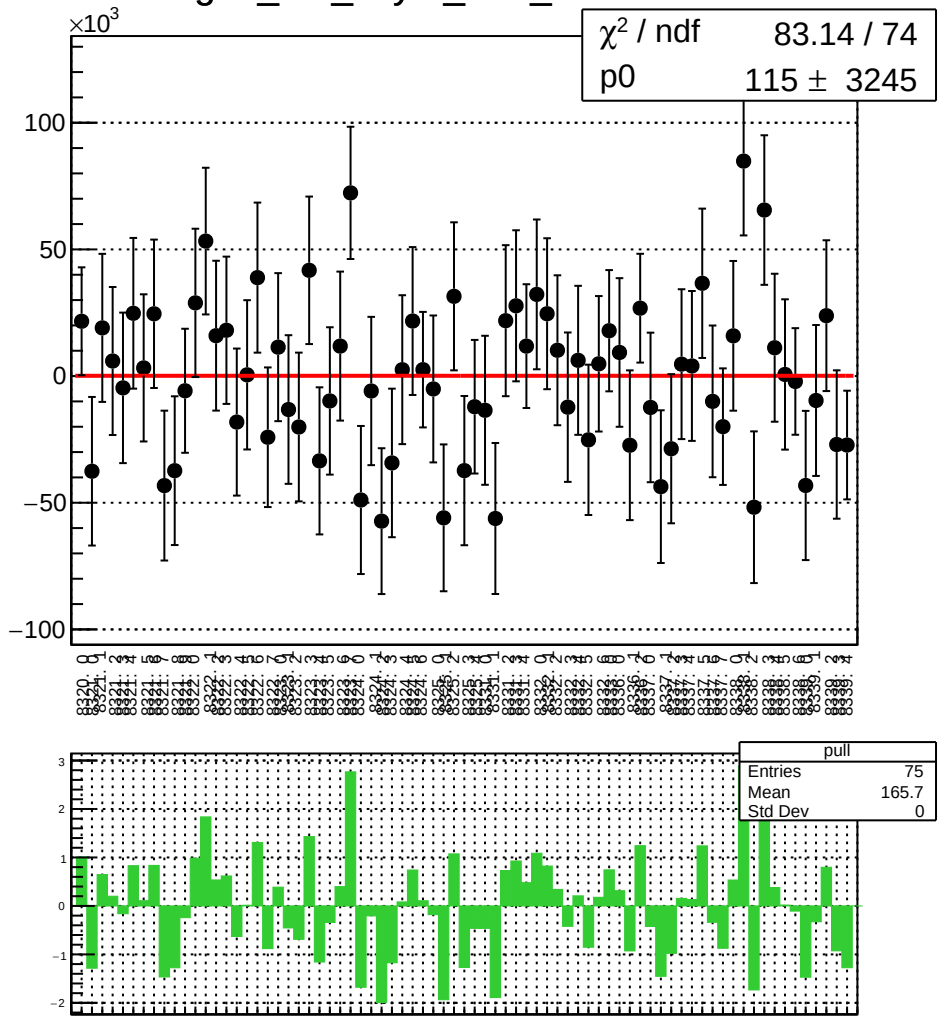

pull1D
Entries 75
Mean −0.00797
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

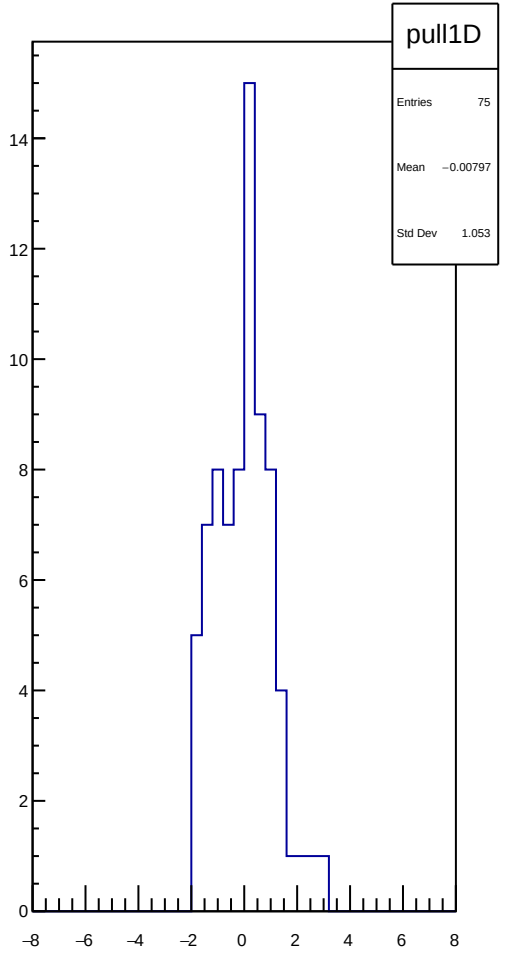

cor_asym_atr2_rms vs run
χ² / ndf 103.7 / 74
p0 2791 ± 2.295
2880
2860
2840
2820
2800
2780
2760
2740
2720
2700

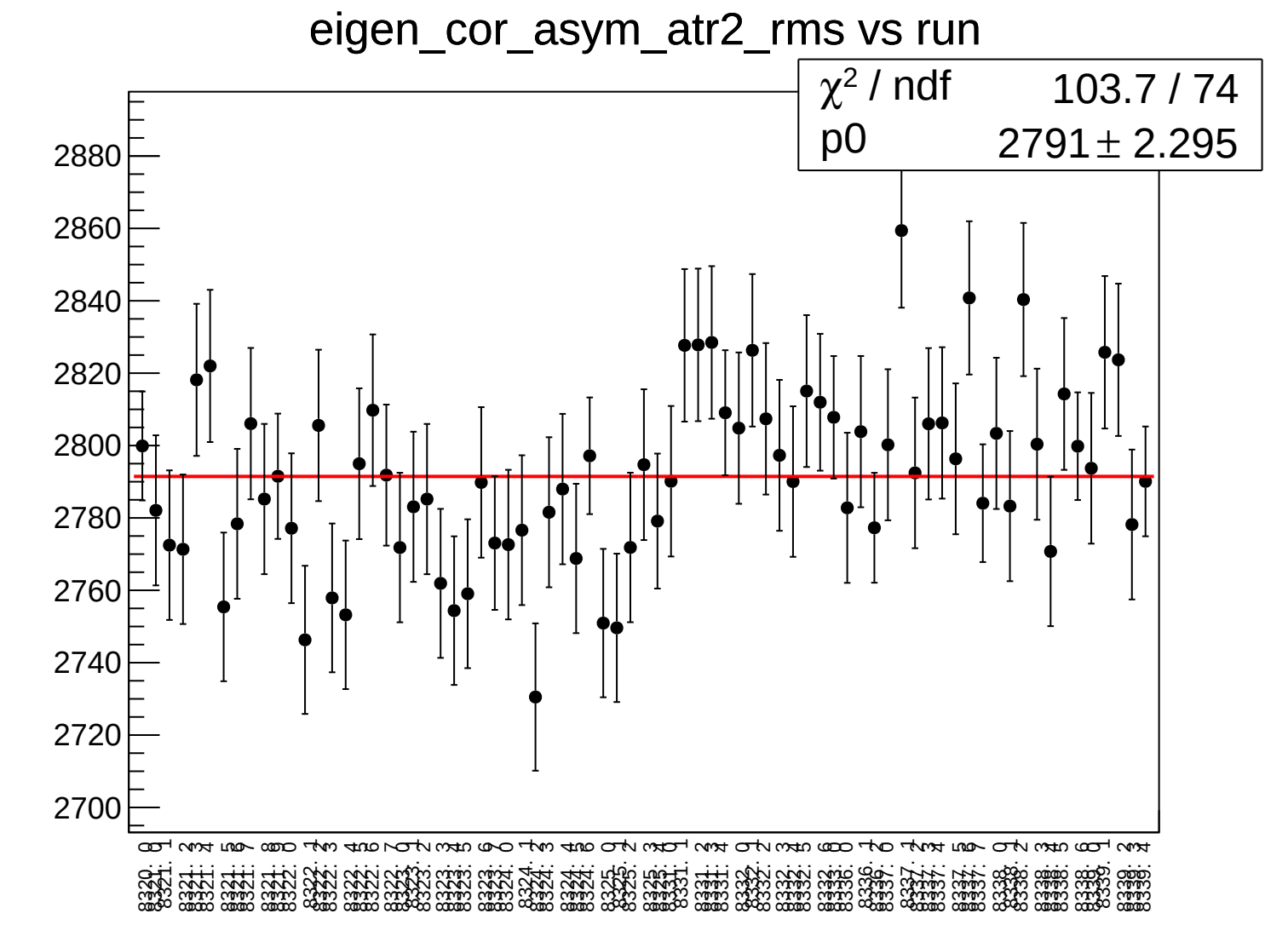

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 81.82 / 74
p0 −1.272e+04 ± 1.637e+04
400
200
0
−200
−400
pull
Entries 75
Mean 4604
Std Dev 0
2
1
0
−1
−2

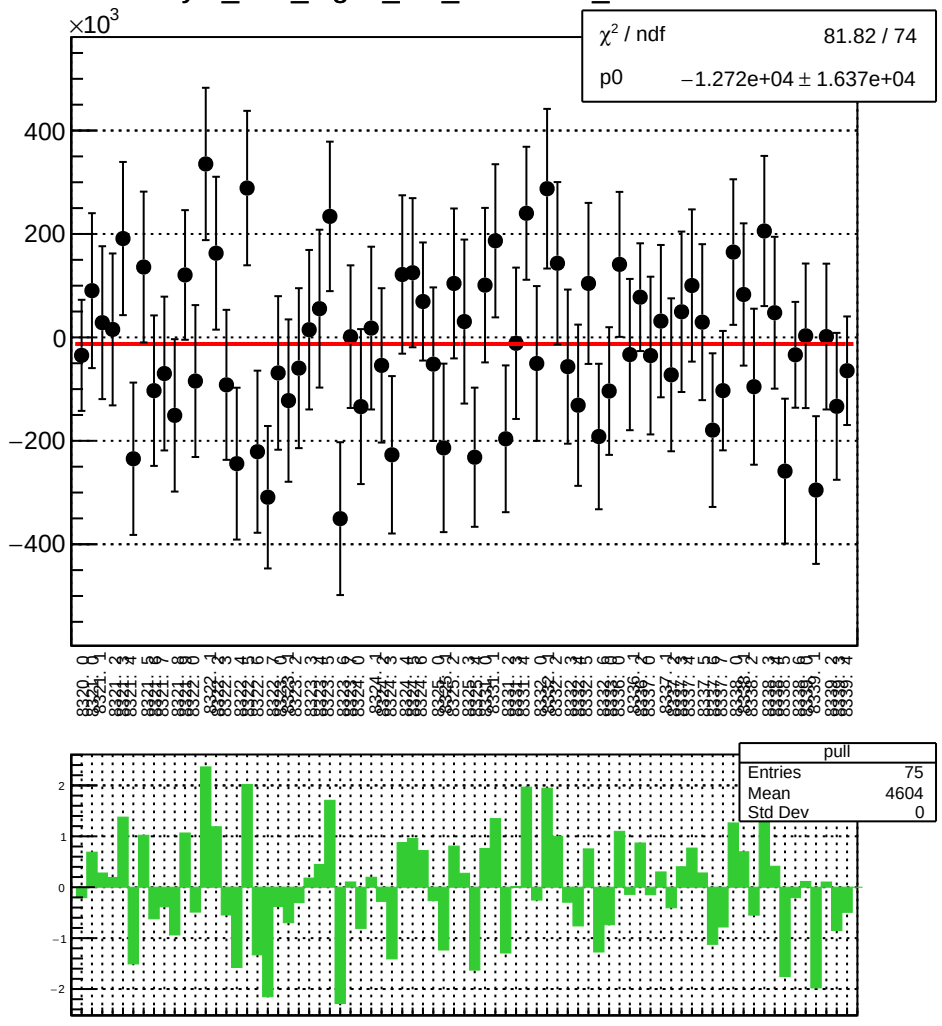

pull1D
Entries 75
Mean −0.0002193
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

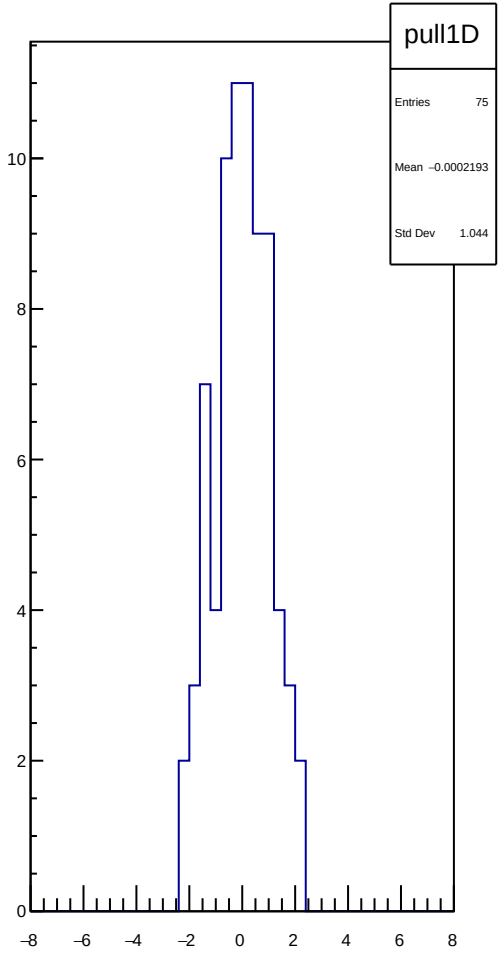

asym_atr2_cor_correction_rms vs run
χ² / ndf 1621 / 74
p0 1.407e+04 ± 11.57
15500
15000
14500
14000
13500
13000

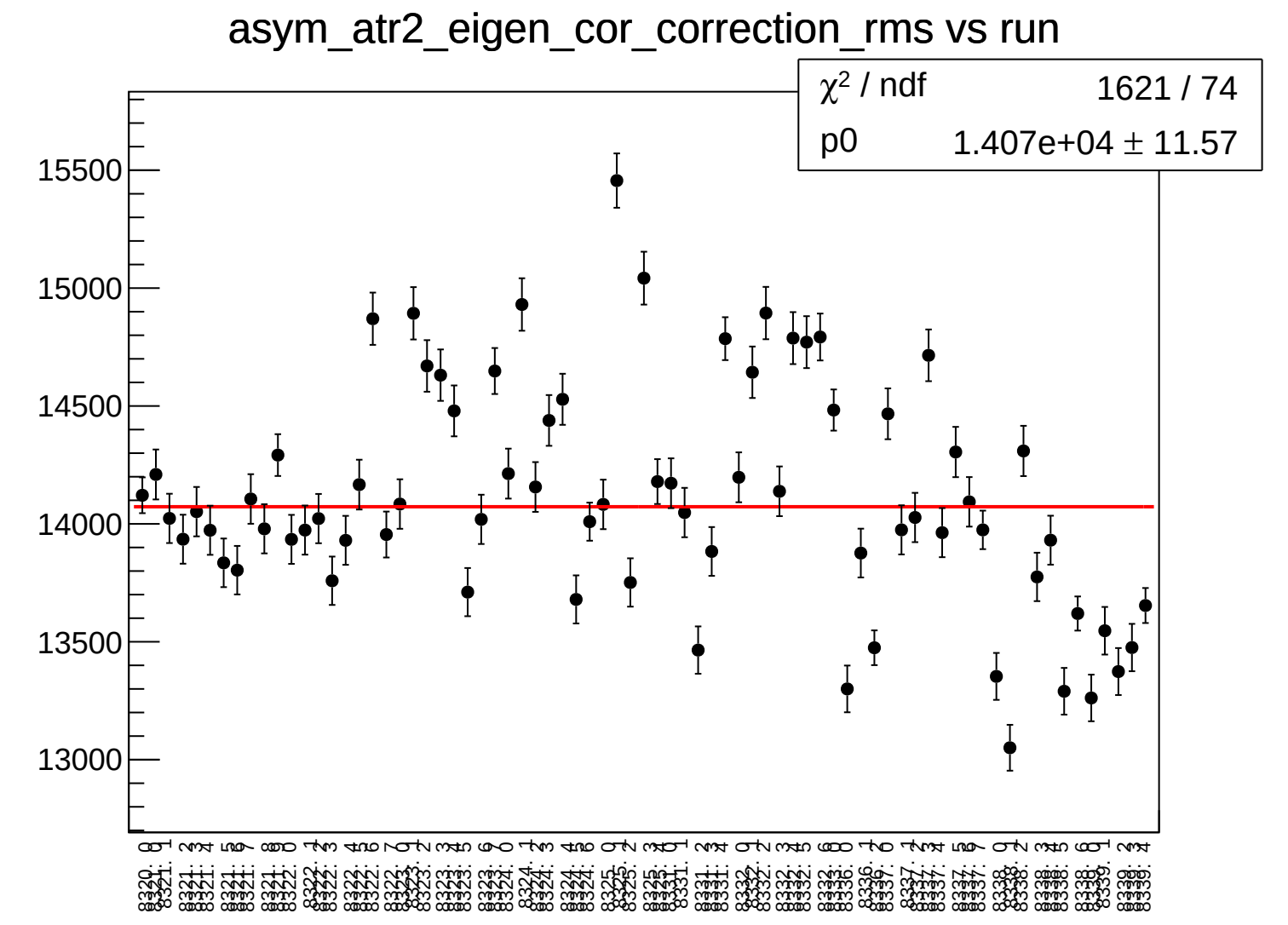

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 83.14 / 74
p0 115 ± 3245
100
50
0
−50
−100
pull
Entries 75
Mean 165.7
Std Dev 0
3
2
1
0
−1
−2

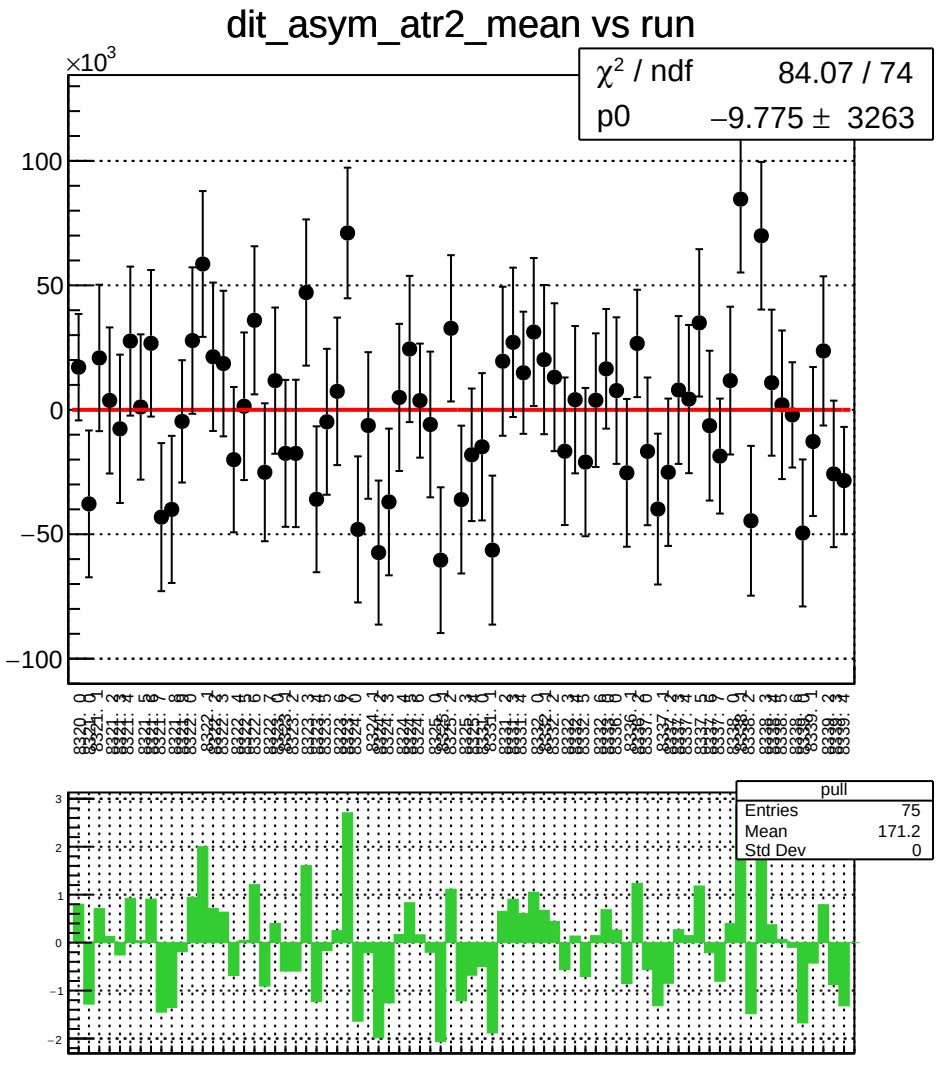

pull1D
Entries 75
Mean −0.00797
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

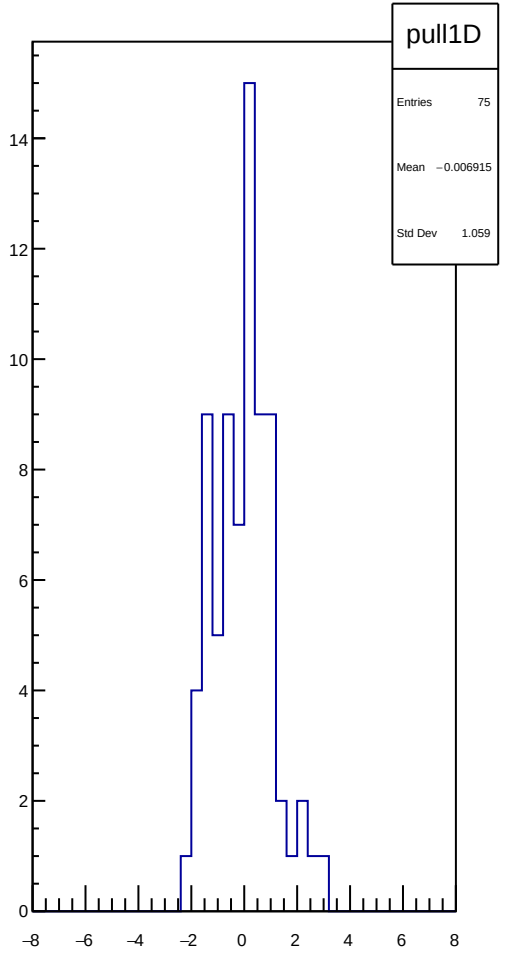

eigen_cor_asym_atr2_rms vs run
χ² / ndf 103.7 / 74
p0 2791 ± 2.295
2880
2860
2840
2820
2800
2780
2760
2740
2720
2700

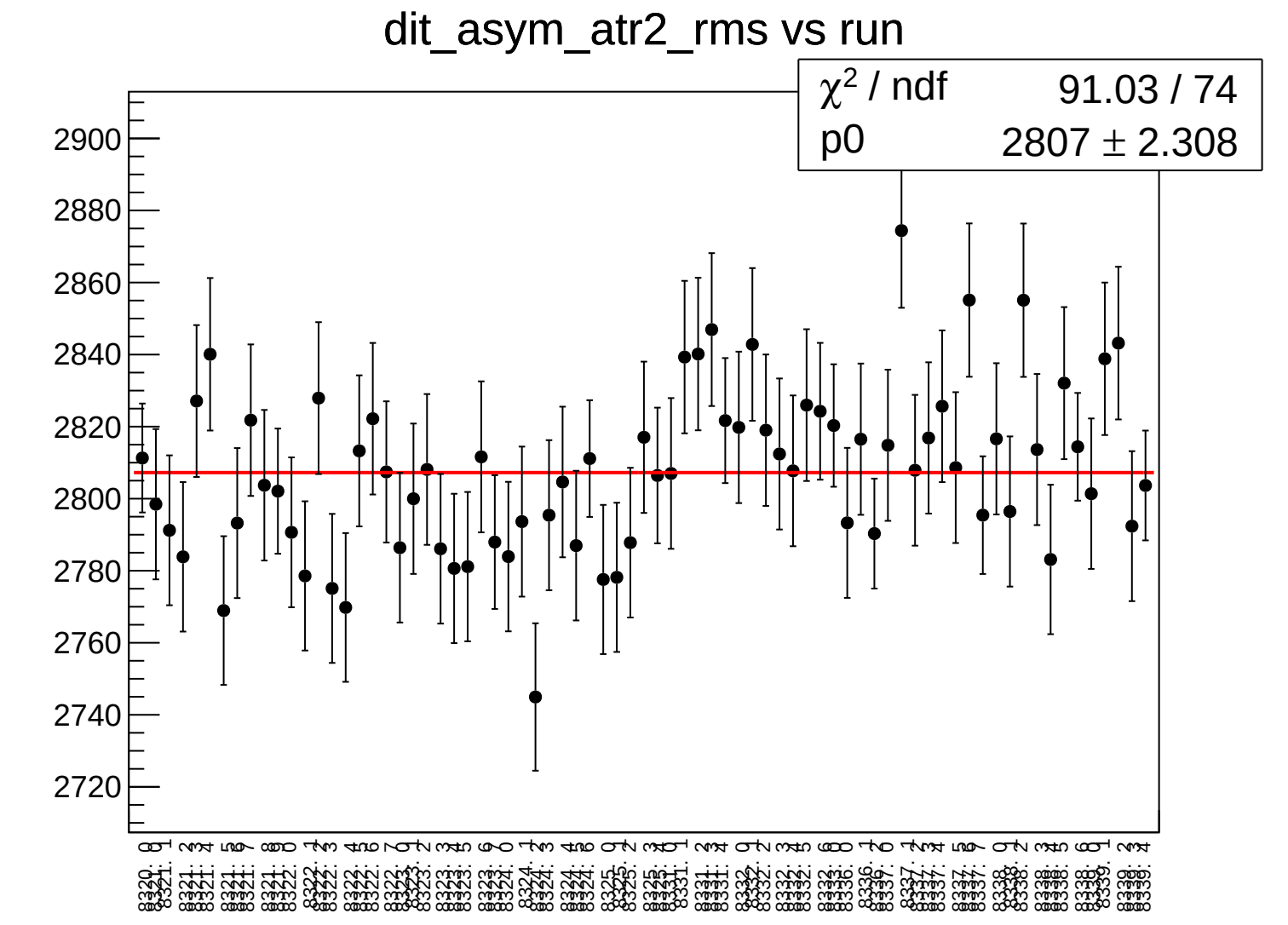

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.82 / 74
p0 −1.272e+04 ± 1.637e+04
400
200
0
−200
−400
pull
Entries 75
Mean 4604
Std Dev 0
2
1
0
−1
−2

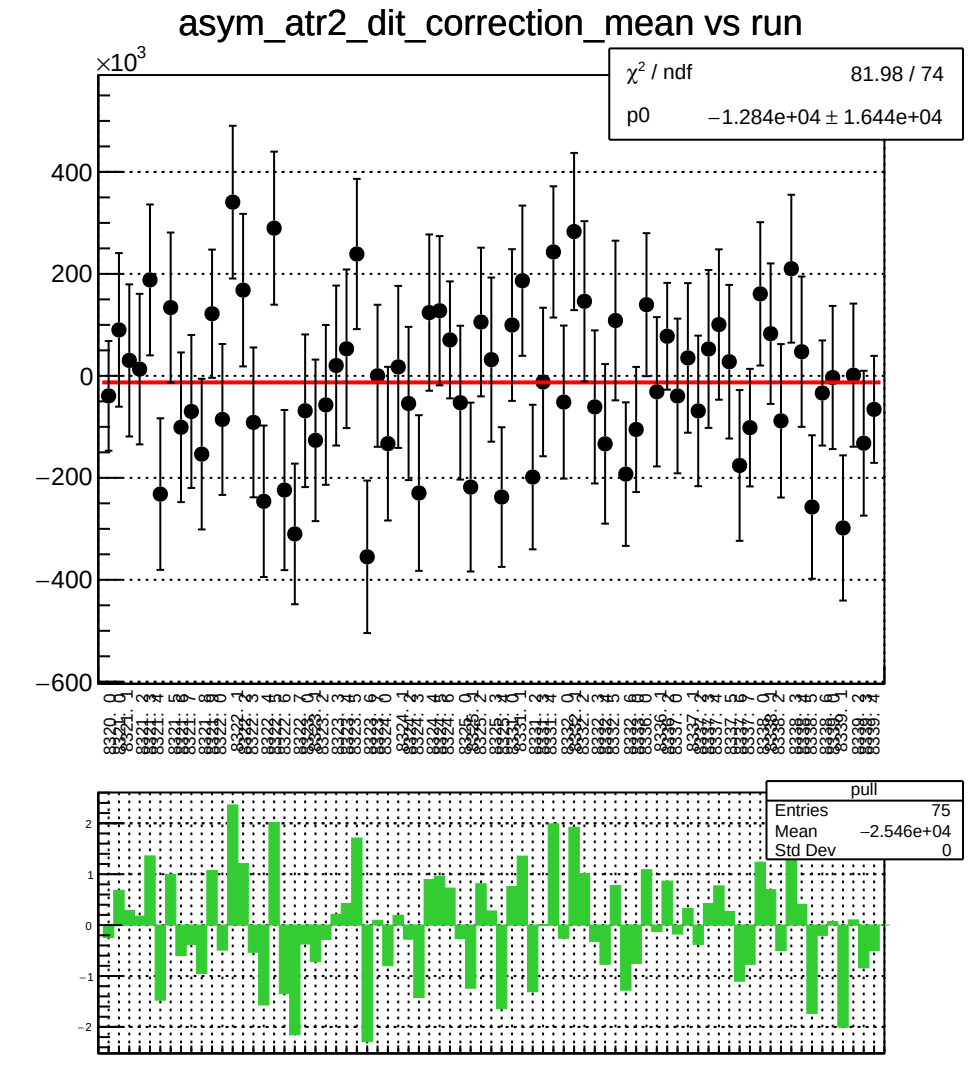

pull1D
Entries 75
Mean −0.0002193
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

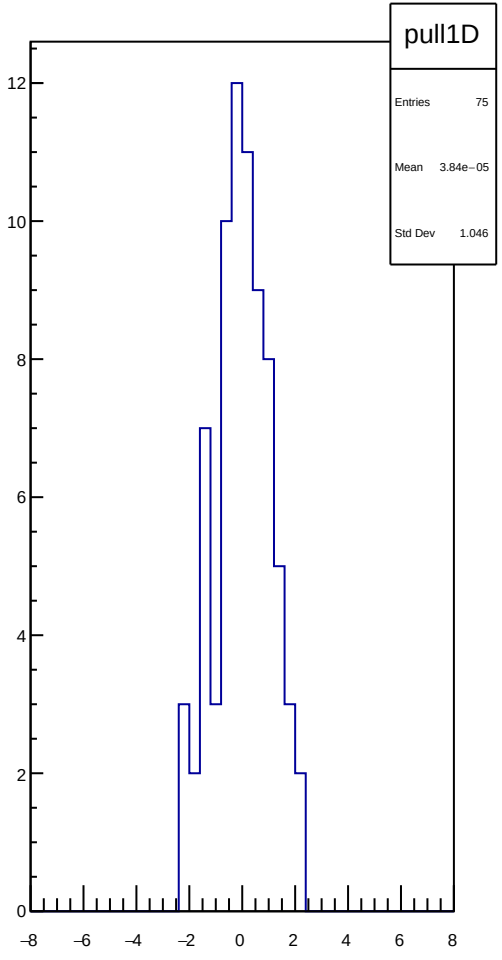

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 1621 / 74
p0 1.407e+04 ± 11.57
15500
15000
14500
14000
13500
13000

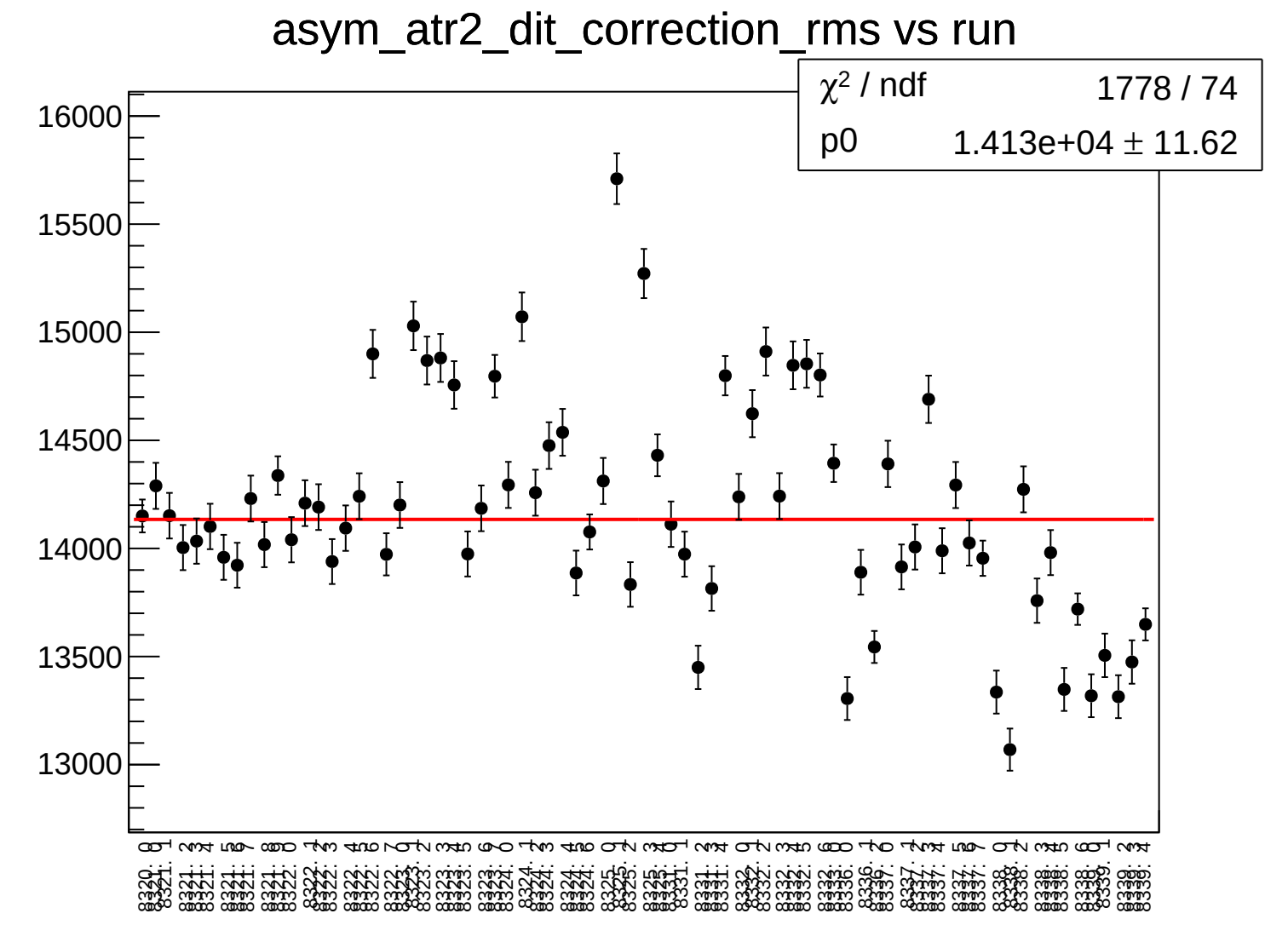

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 84.07 / 74
p0 −9.775 ± 3263
100
50
0
−50
−100
pull
Entries 75
Mean 171.2
Std Dev 0
3
2
1
0
−1
−2

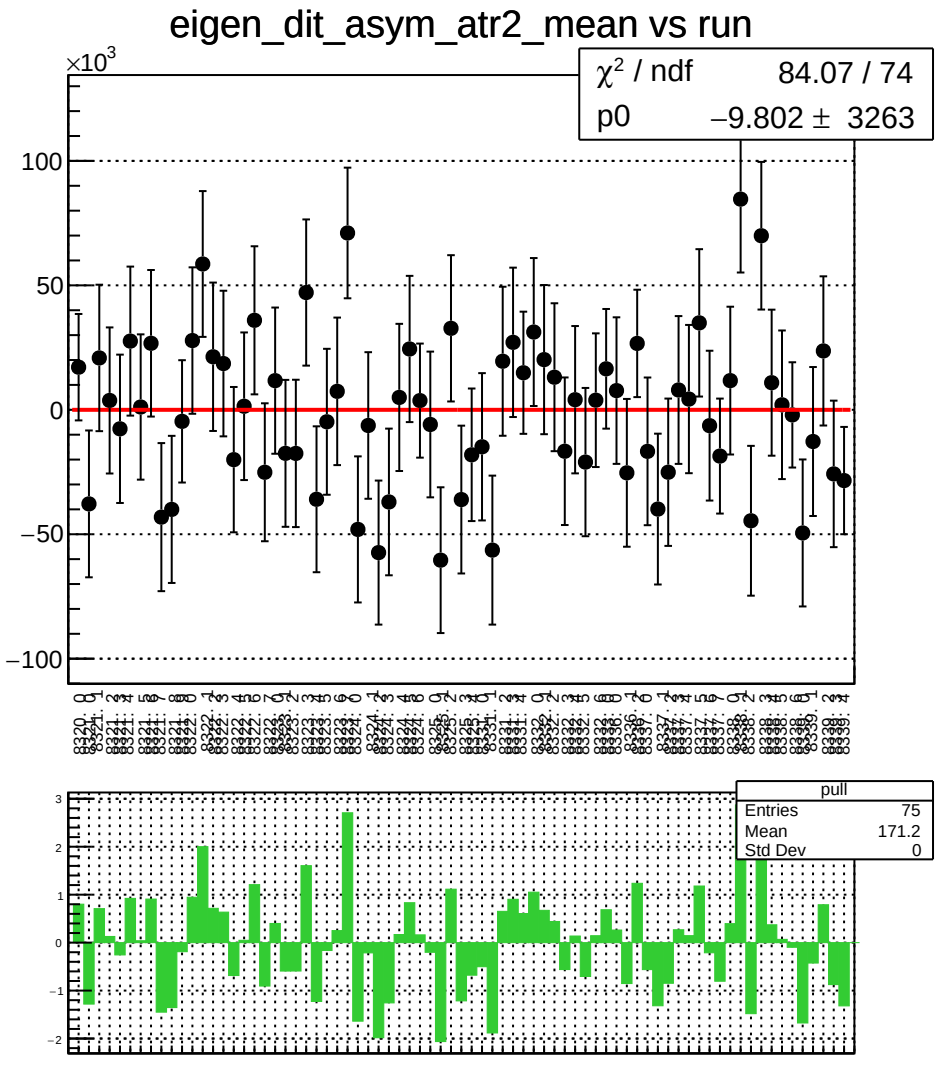

pull1D
Entries 75
Mean −0.006915
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

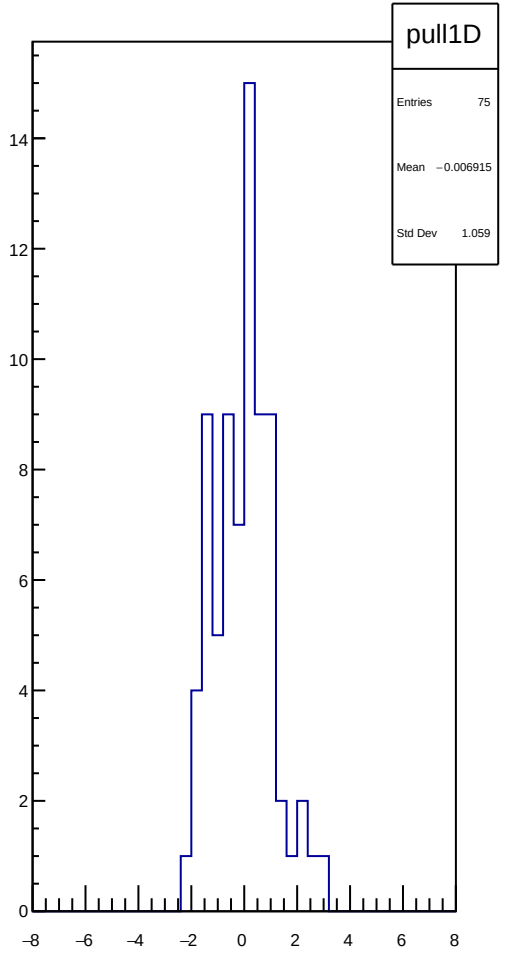

dit_asym_atr2_rms vs run
χ² / ndf 91.03 / 74
p0 2807 ± 2.308
2900
2880
2860
2840
2820
2800
2780
2760
2740
2720

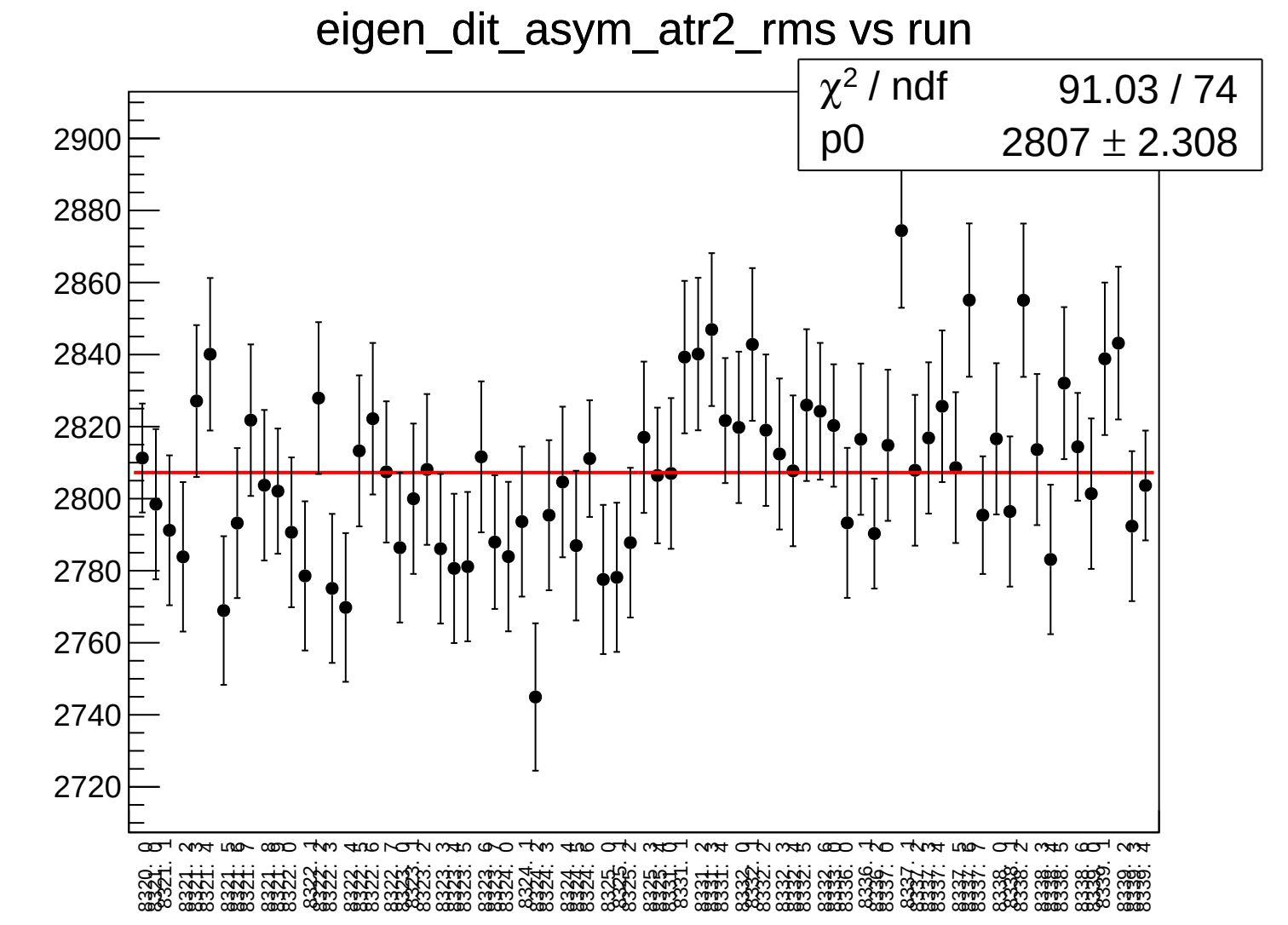

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 81.98 / 74
p0 −1.284e+04 ± 1.644e+04
400
200
0
−200
−400
−600
pull
Entries 75
Mean −2.546e+04
Std Dev 0
2
1
0
−1
−2

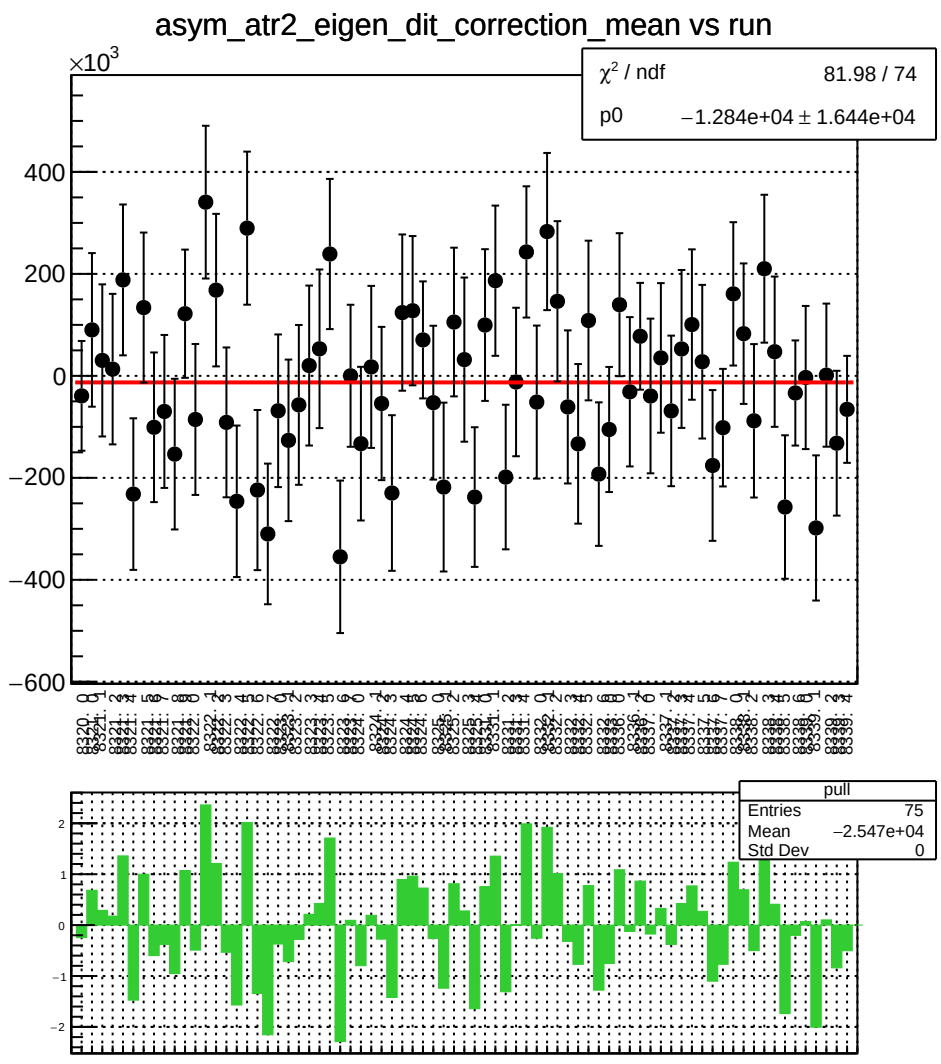

pull1D
Entries 75
Mean 3.84e−05
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

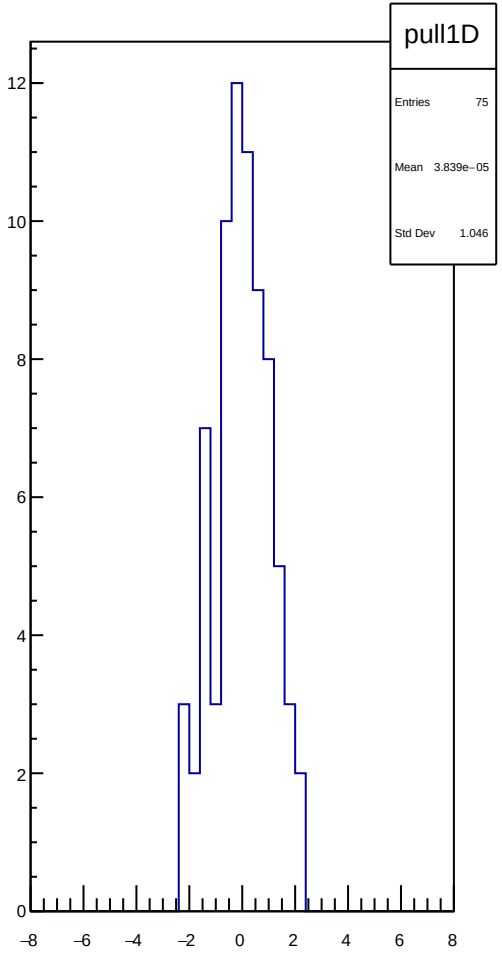

asym_atr2_dit_correction_rms vs run
χ² / ndf 1778 / 74
p0 1.413e+04 ± 11.62
16000
15500
15000
14500
14000
13500
13000

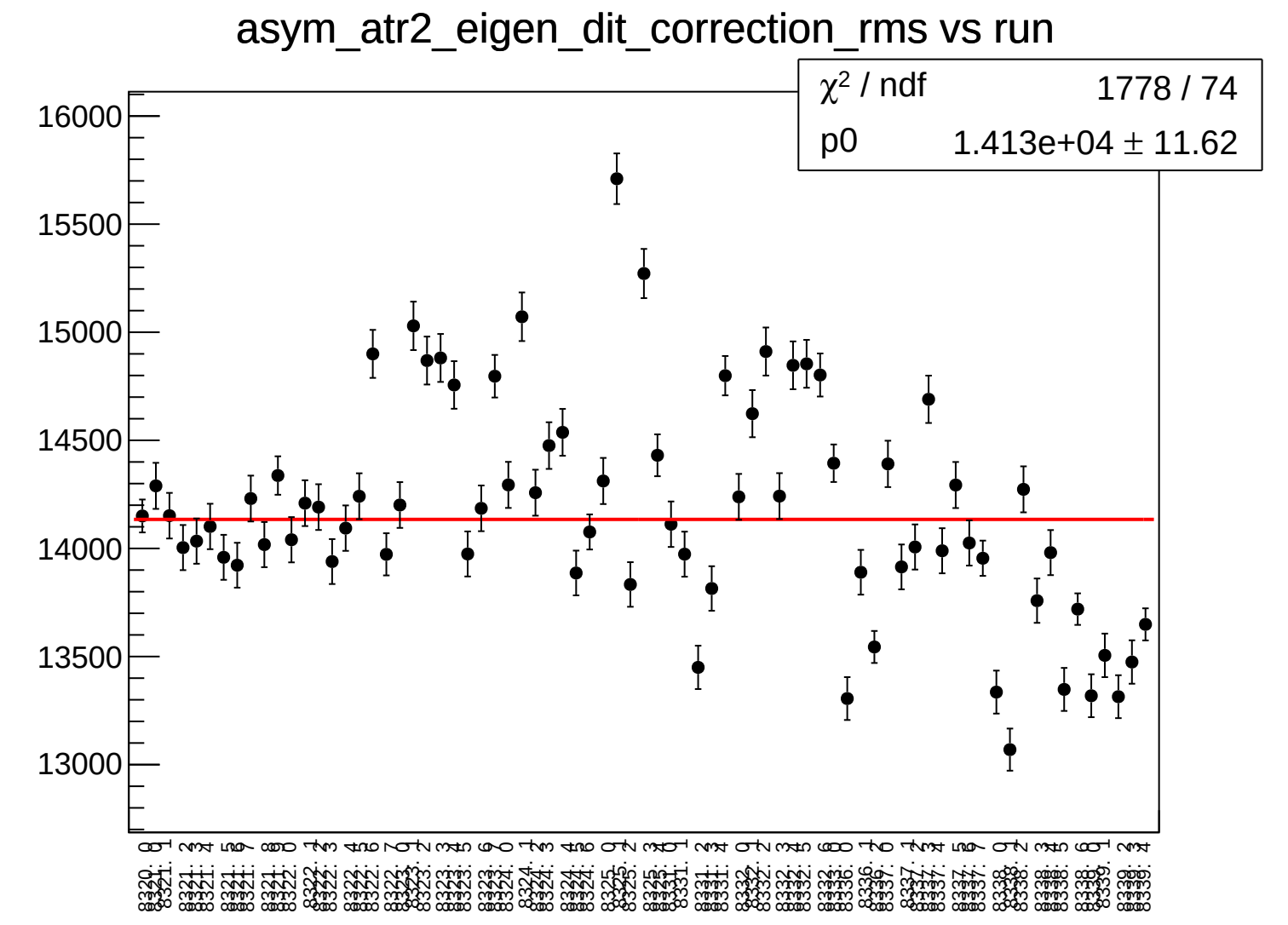

eigen_dit_asym_atr2_mean vs run
χ² / ndf 84.07 / 74
p0 −9.802 ± 3263
×10³
100
50
0
−50
−100
pull
Entries 75
Mean 171.2
Std Dev 0
3
2
1
0
−1
−2

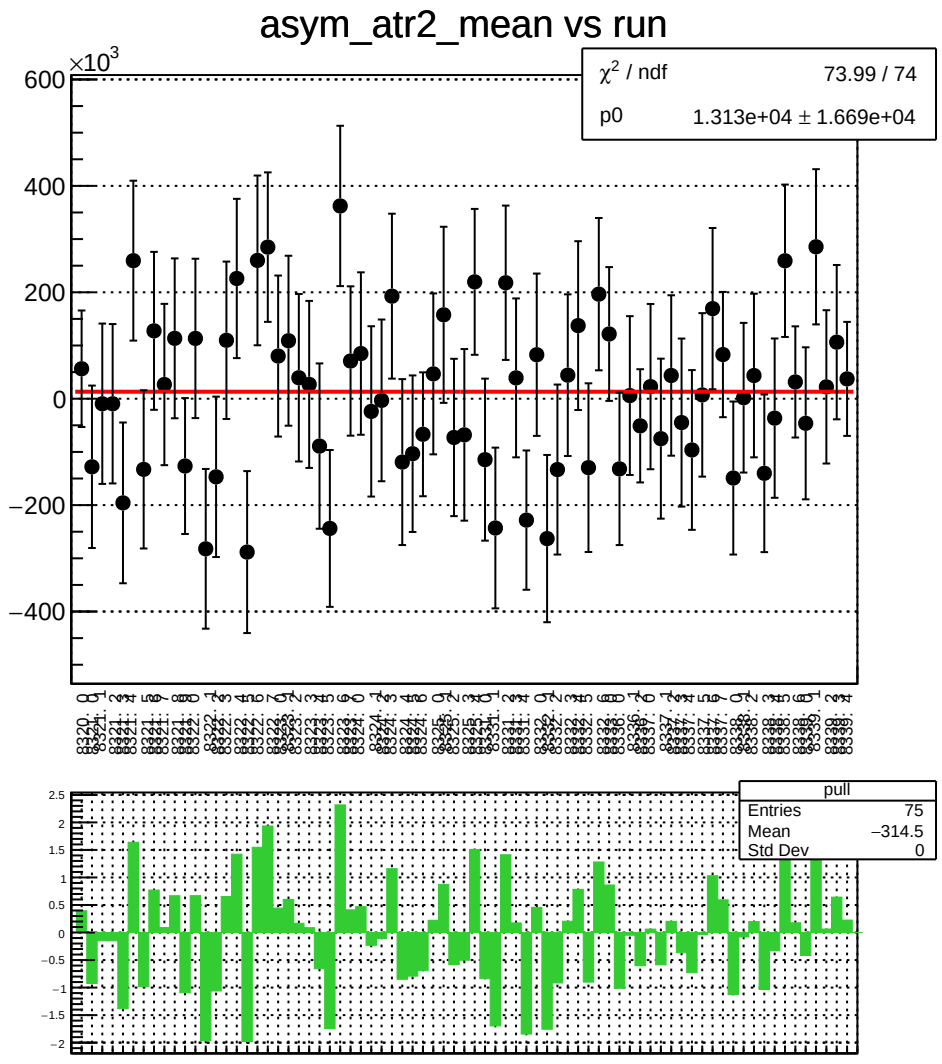

pull1D
Entries 75
Mean −0.006915
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

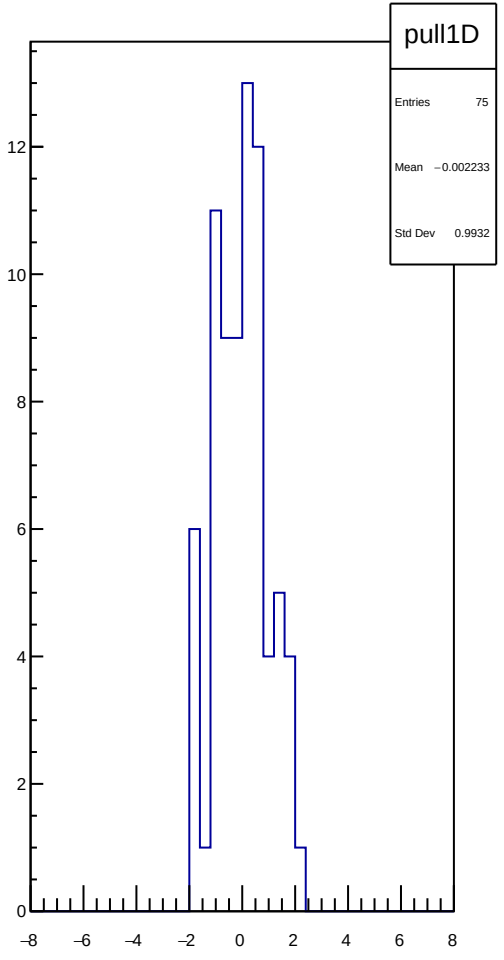

eigen_dit_asym_atr2_rms vs run
χ^2 / ndf 91.03 / 74
p0 2807 ± 2.308
2900
2880
2860
2840
2820
2800
2780
2760
2740
2720

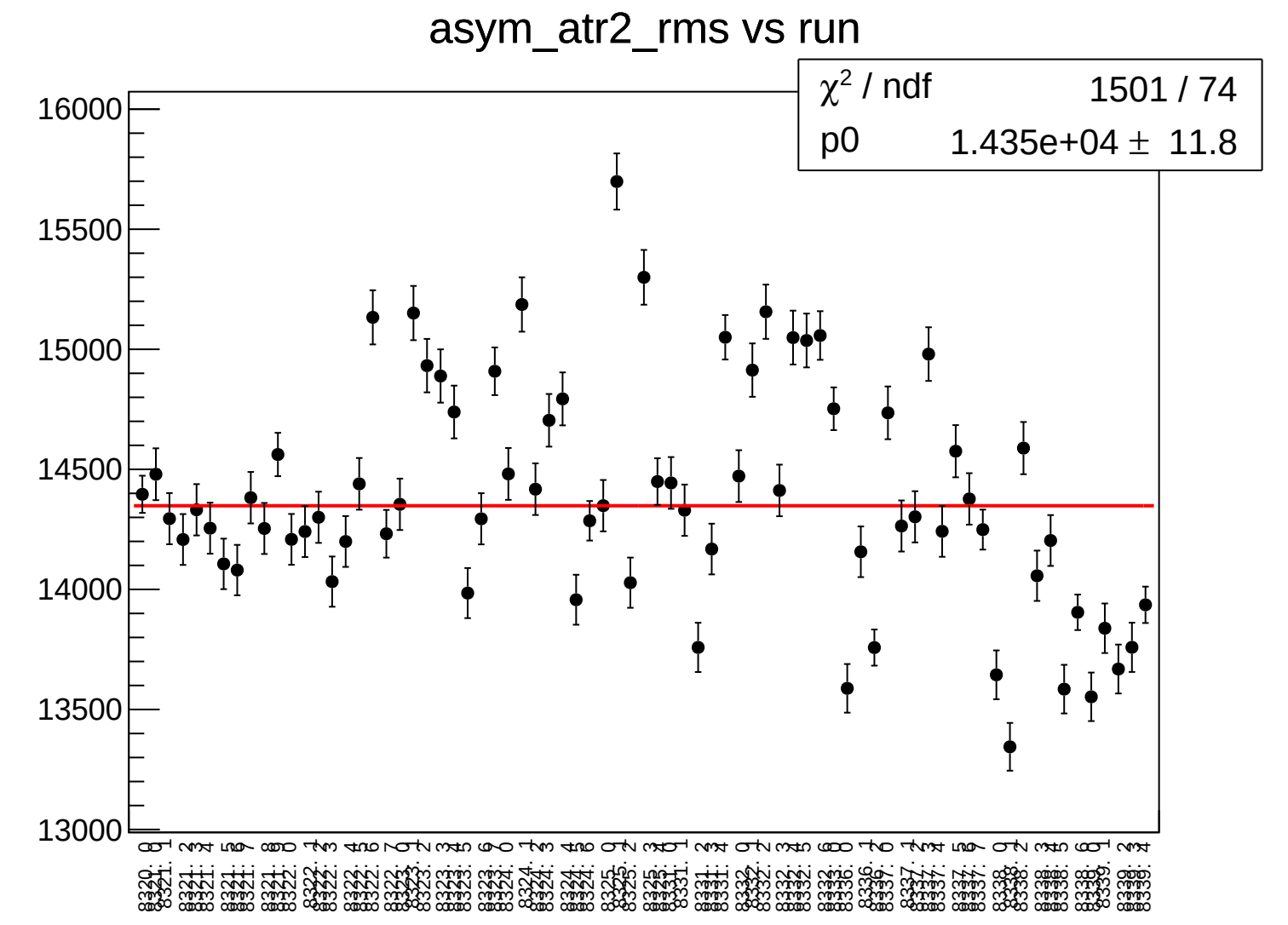

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.98 / 74
p0 −1.284e+04 ± 1.644e+04
400
200
0
−200
−400
−600
pull
Entries 75
Mean −2.547e+04
Std Dev 0
2
1
0
−1
−2

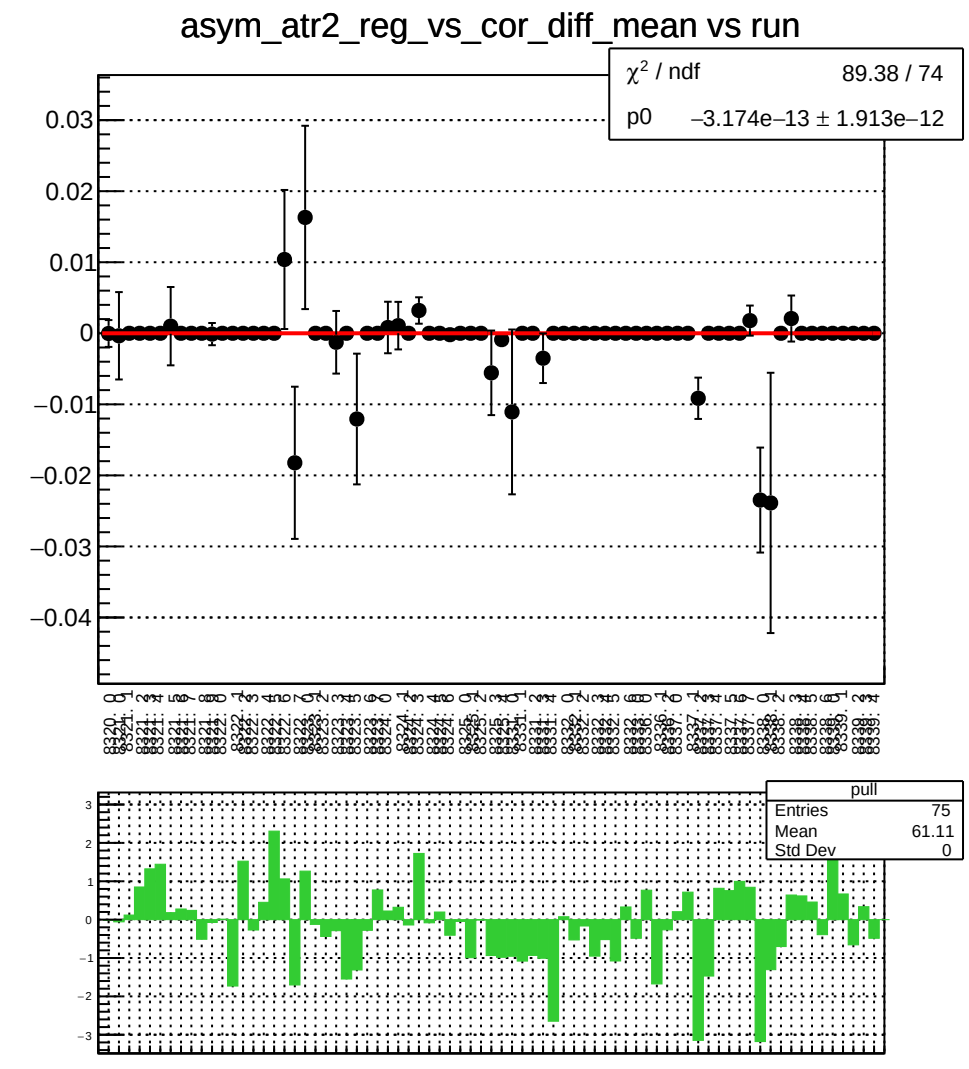

pull1D
Entries 75
Mean 3.839e−05
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

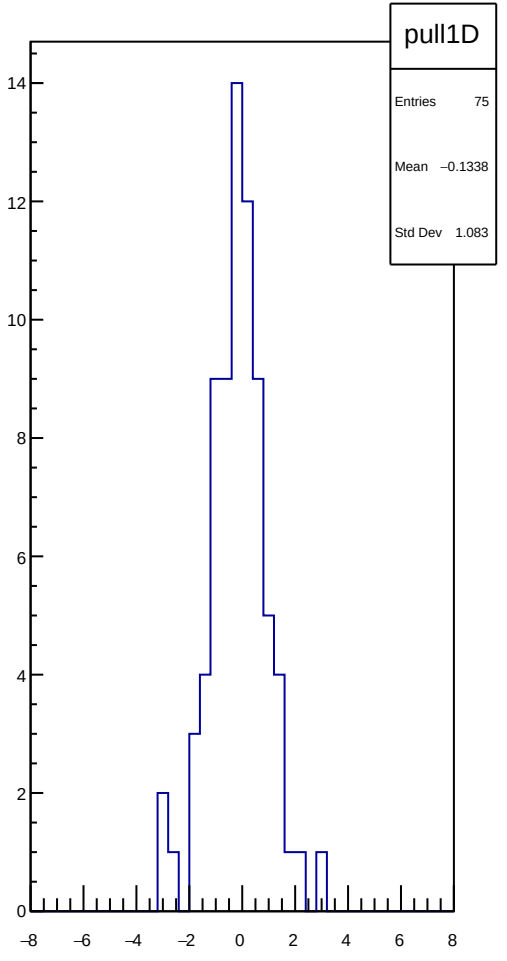

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 1778 / 74
p0 1.413e+04 ± 11.62
16000
15500
15000
14500
14000
13500
13000

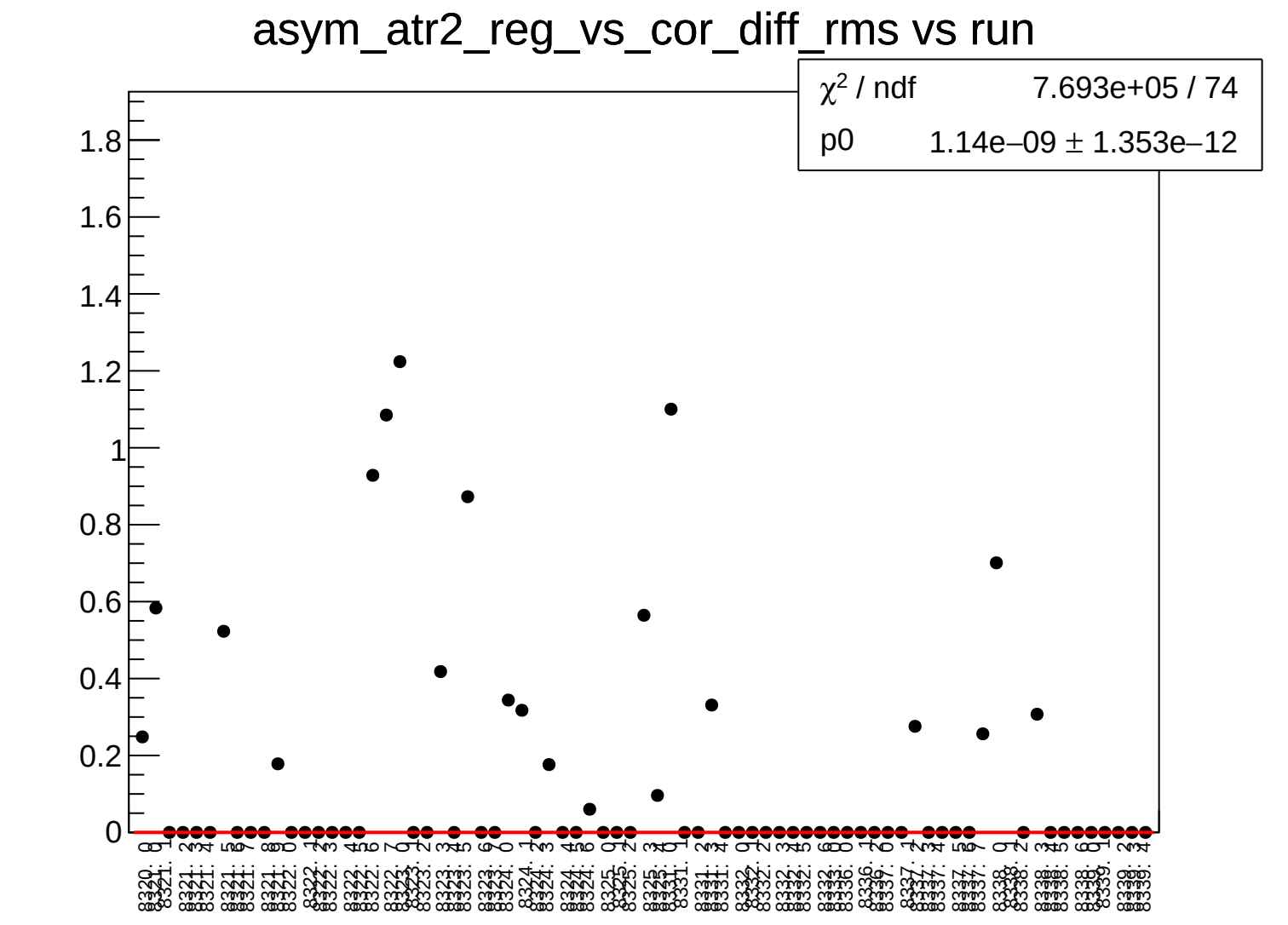

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 73.99 / 74
p0 1.313e+04 ± 1.669e+04
pull
Entries 75
Mean −314.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

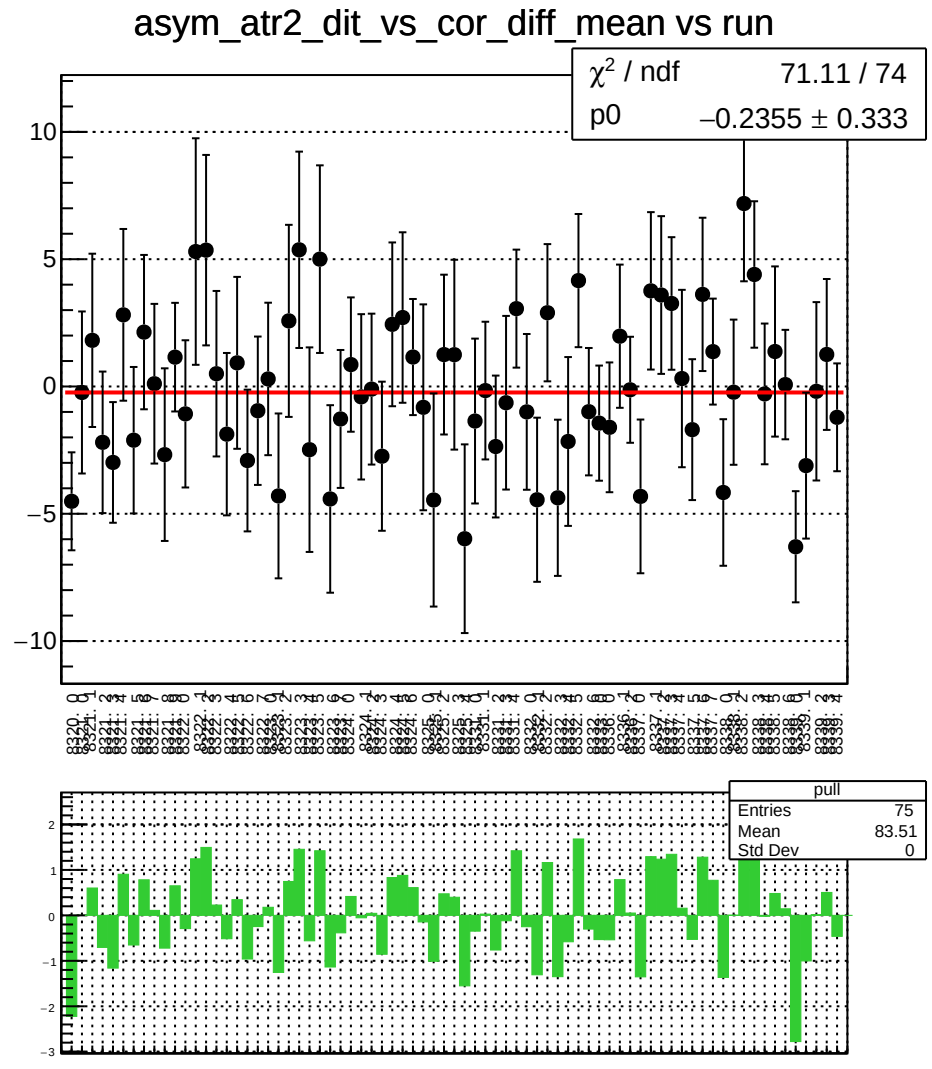

pull1D
Entries 75
Mean −0.002233
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

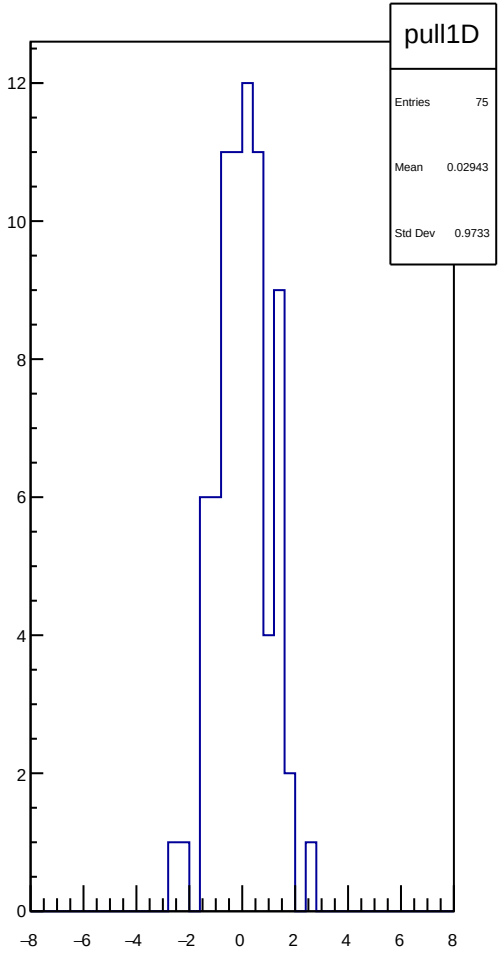

asym_atr2_rms vs run
χ² / ndf 1501 / 74
p0 1.435e+04 ± 11.8
16000
15500
15000
14500
14000
13500
13000

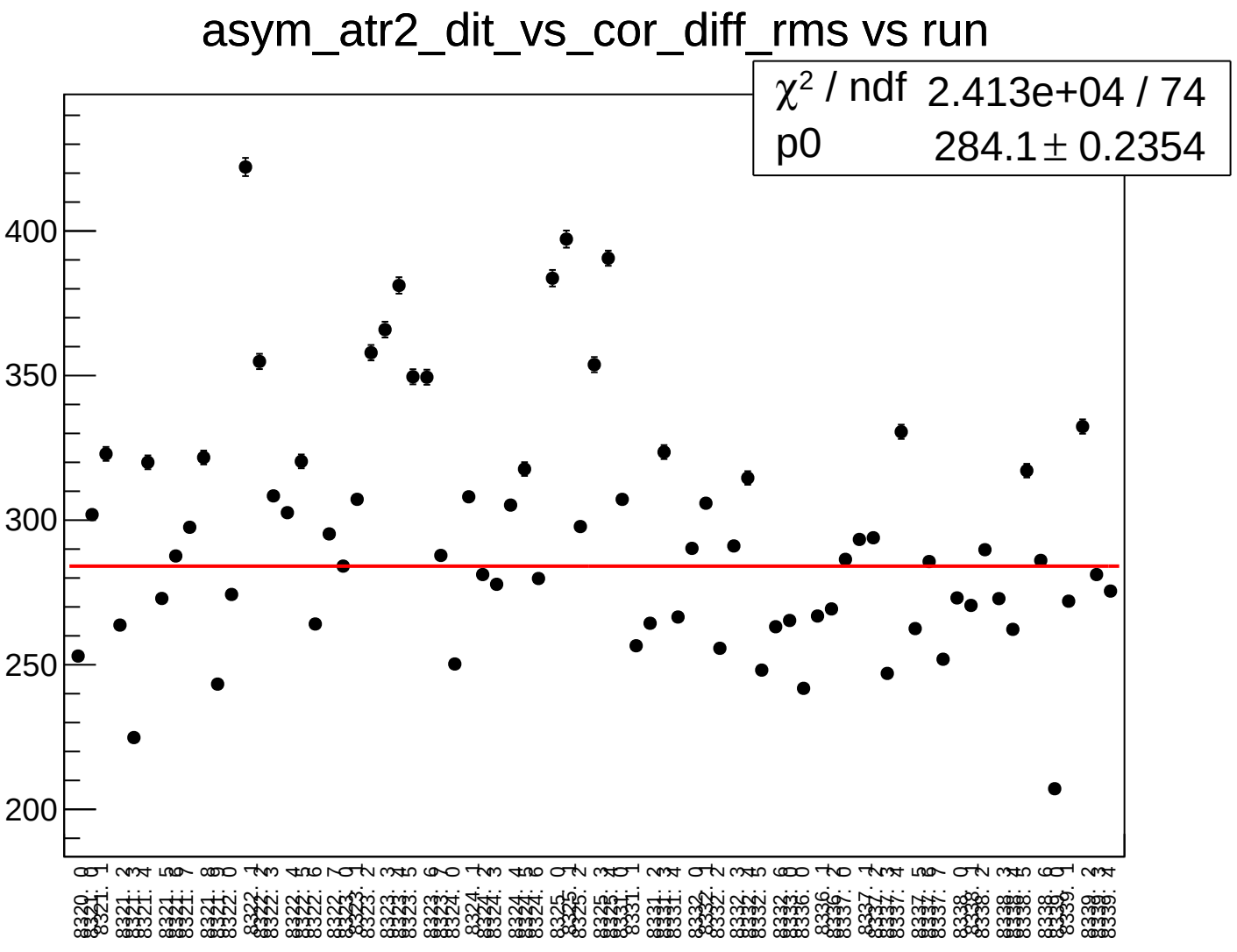

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 89.38 / 74
p0 −3.174e−13 ± 1.913e−12
pull
Entries 75
Mean 61.11
Std Dev 0

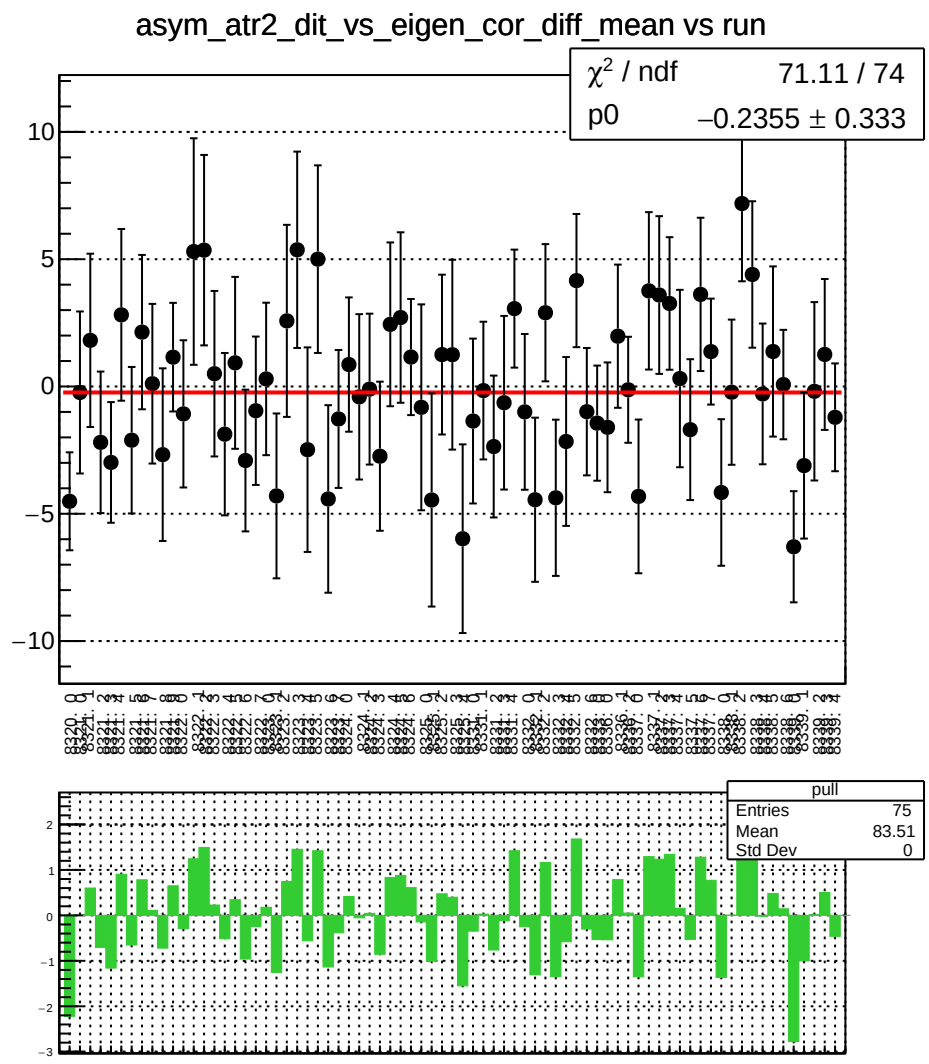

pull1D
Entries 75
Mean −0.1338
Std Dev 1.083

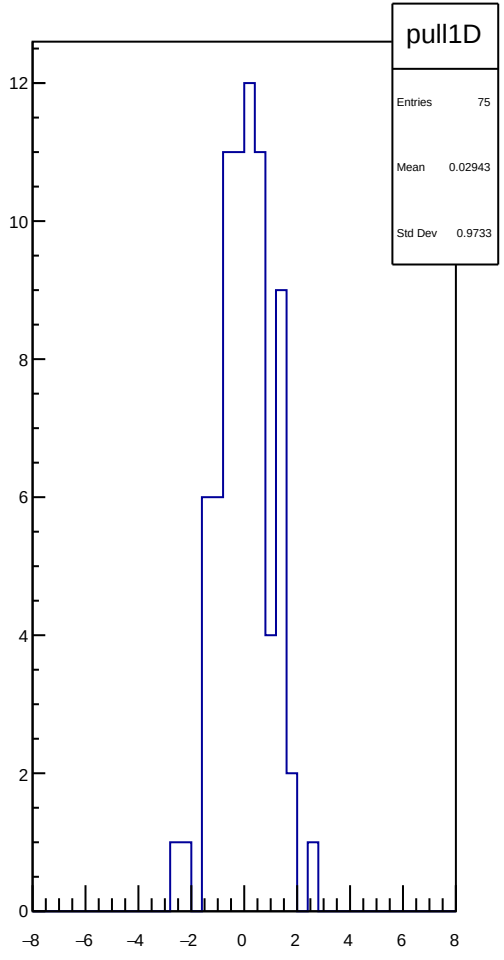

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 7.693e+05 / 74
p0 1.14e−09 ± 1.353e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

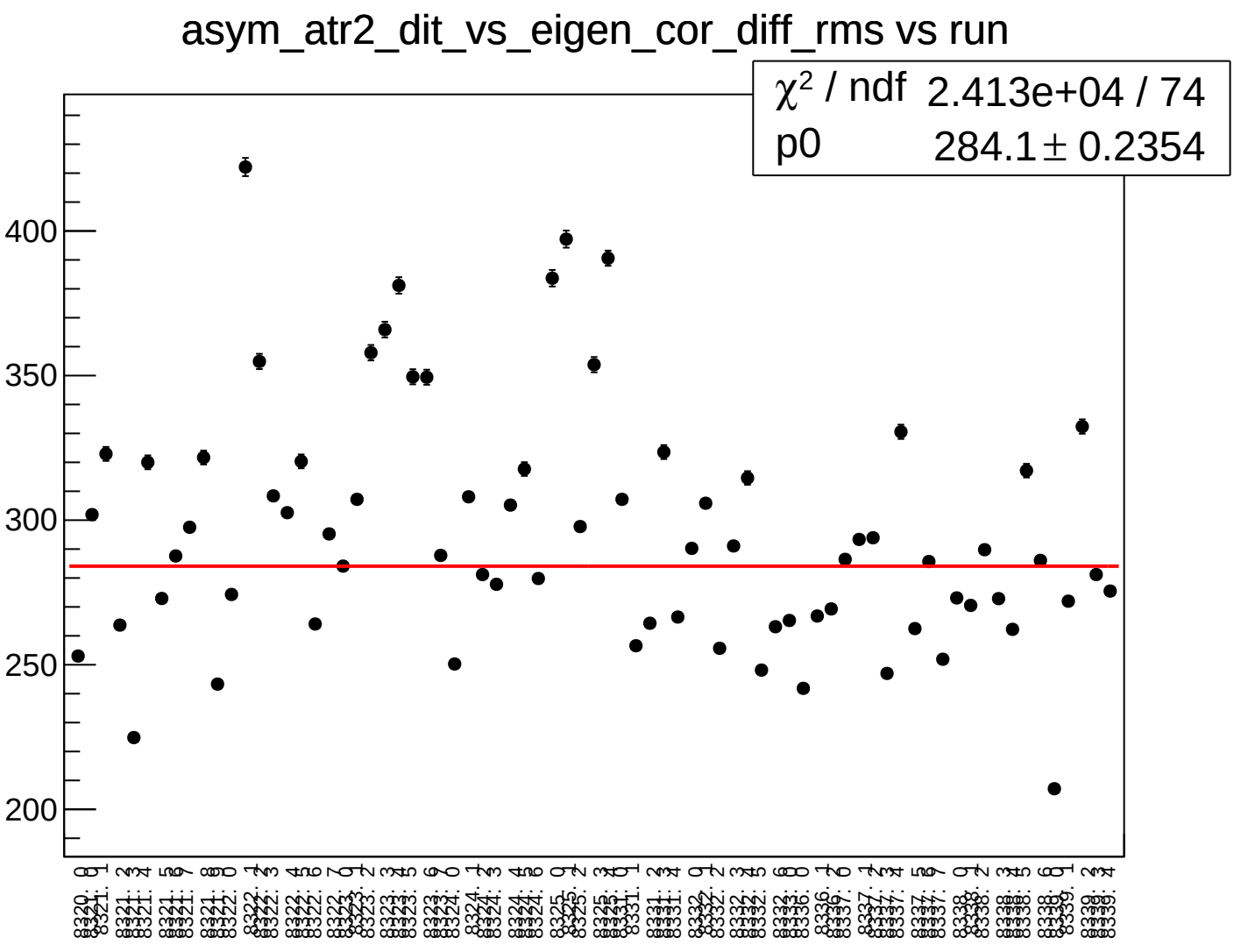

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 71.11 / 74
p0 −0.2355 ± 0.333
pull
Entries 75
Mean 83.51
Std Dev 0

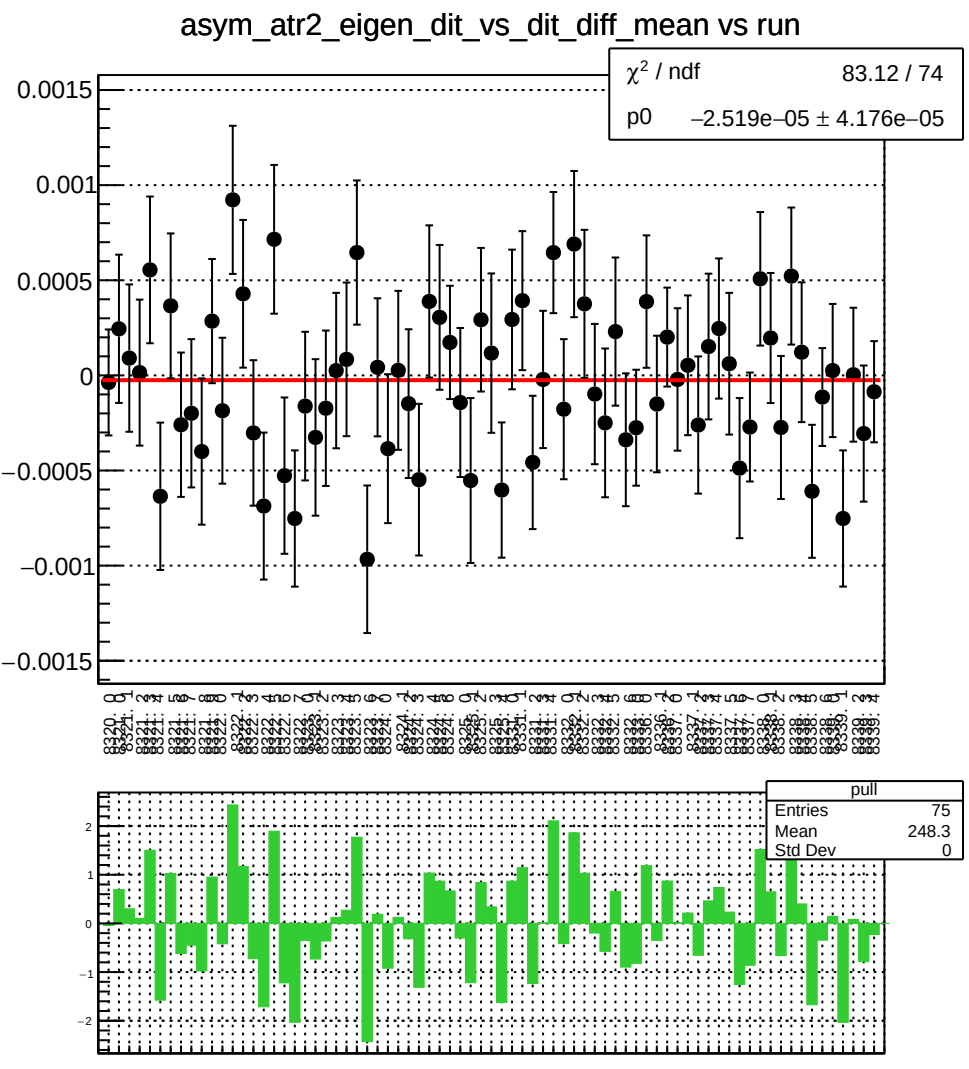

pull1D
Entries 75
Mean 0.02943
Std Dev 0.9733

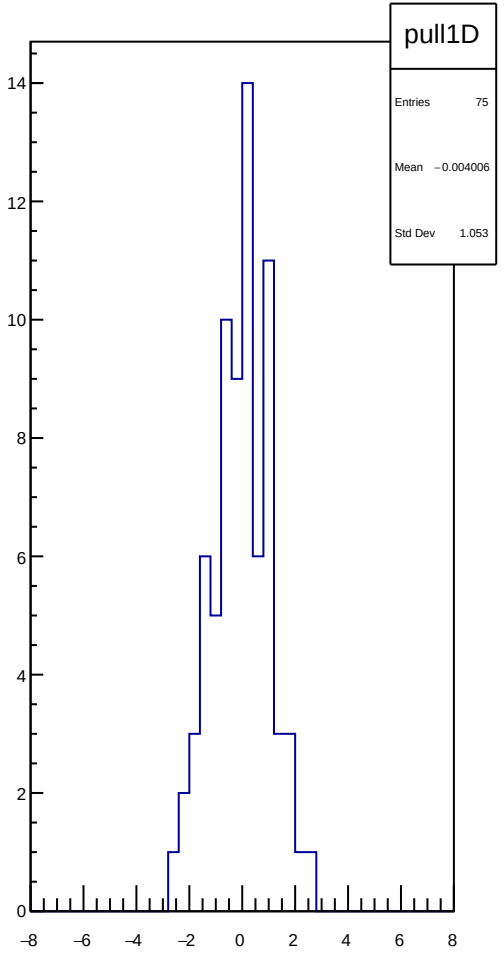

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 74
p0 284.1 ± 0.2354
400
350
300
250
200

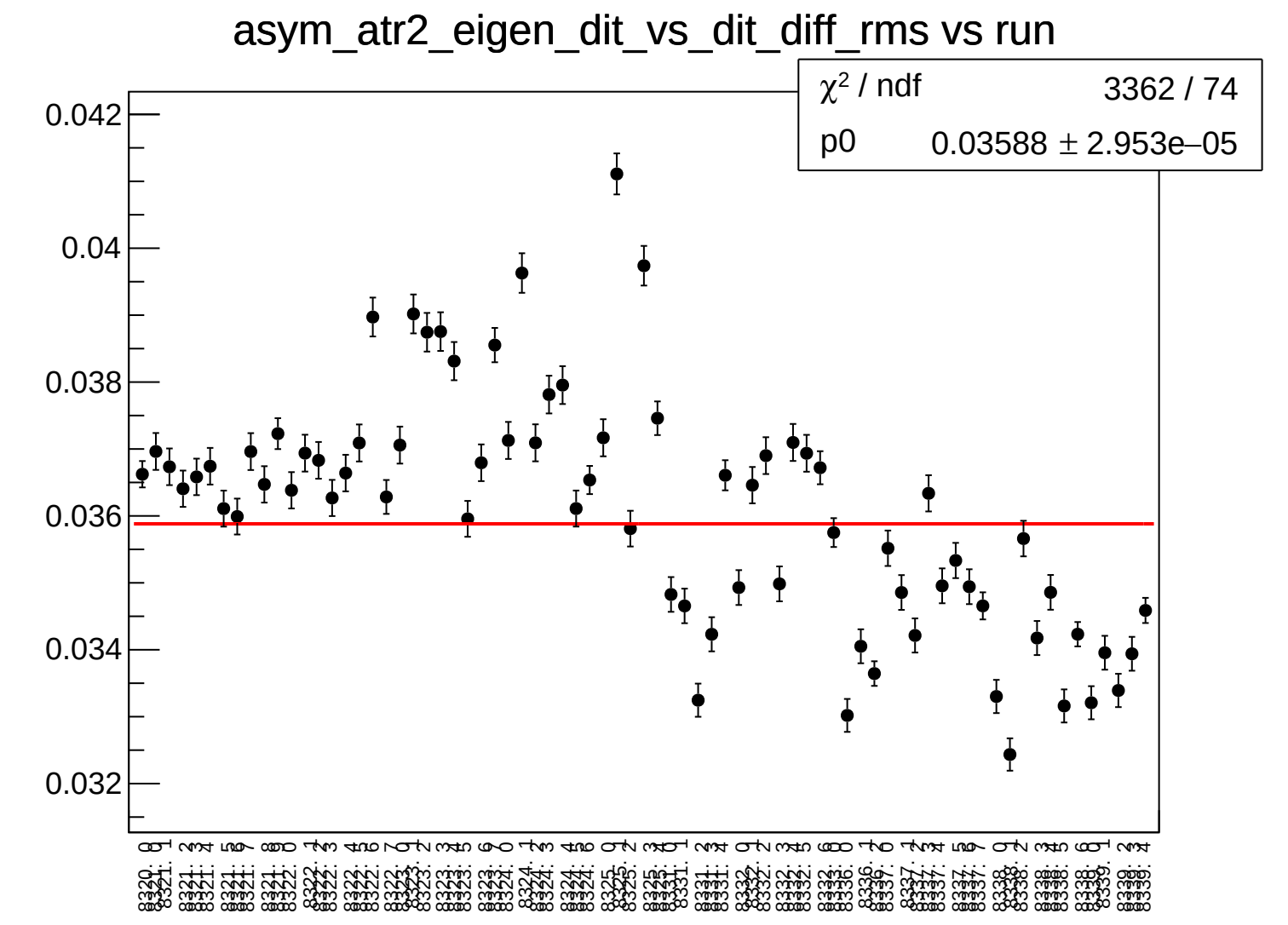

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.11 / 74
p0 −0.2355 ± 0.333
pull
Entries 75
Mean 83.51
Std Dev 0

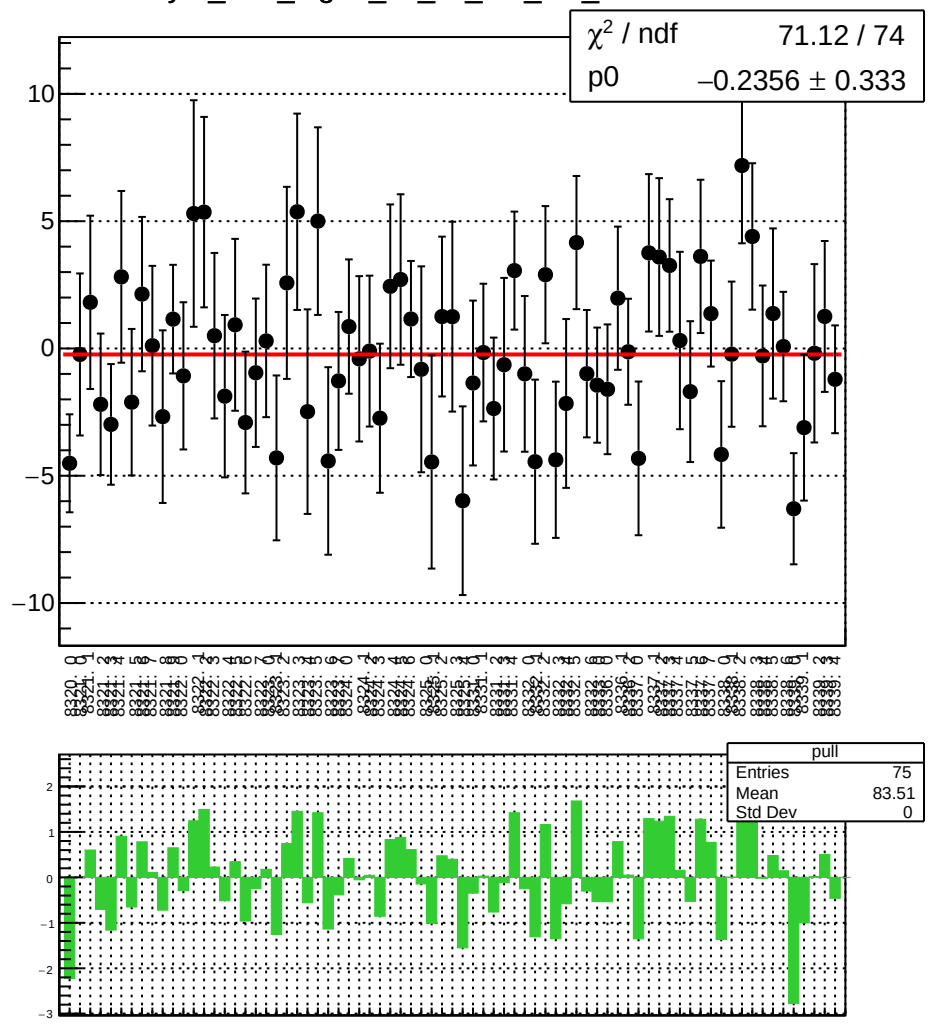

pull1D
Entries 75
Mean 0.02943
Std Dev 0.9733

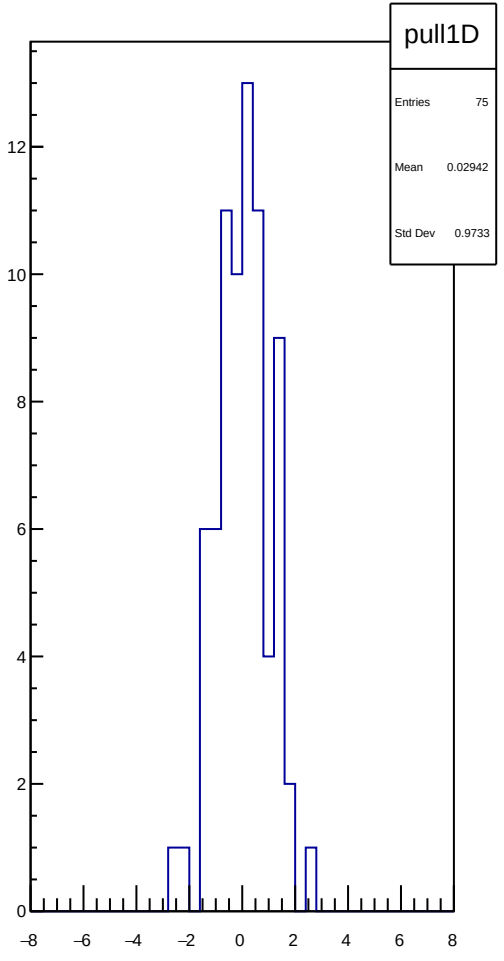

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 74
p0 284.1 ± 0.2354
400
350
300
250
200

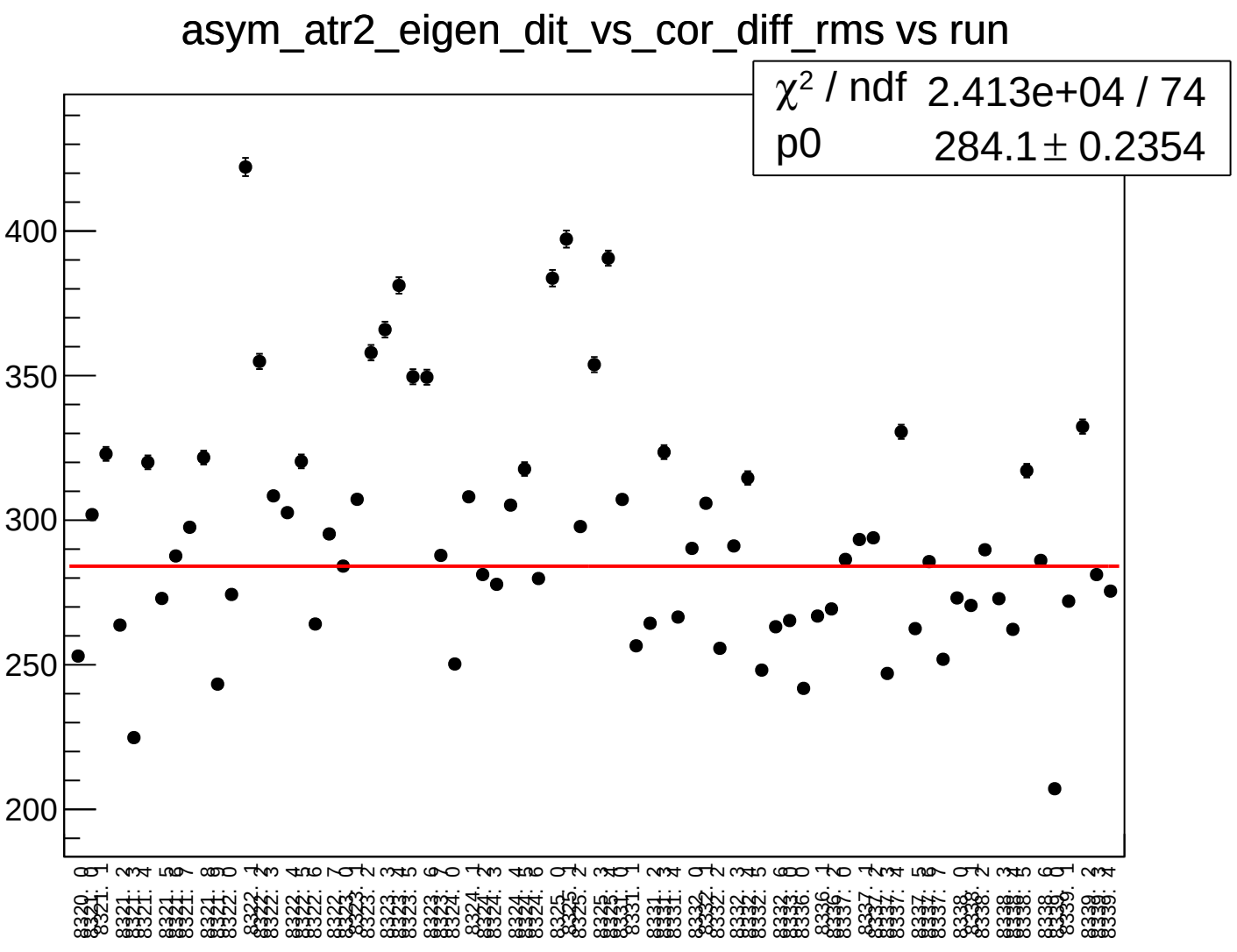

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 83.12 / 74
p0 −2.519e−05 ± 4.176e−05
pull
Entries 75
Mean 248.3
Std Dev 0

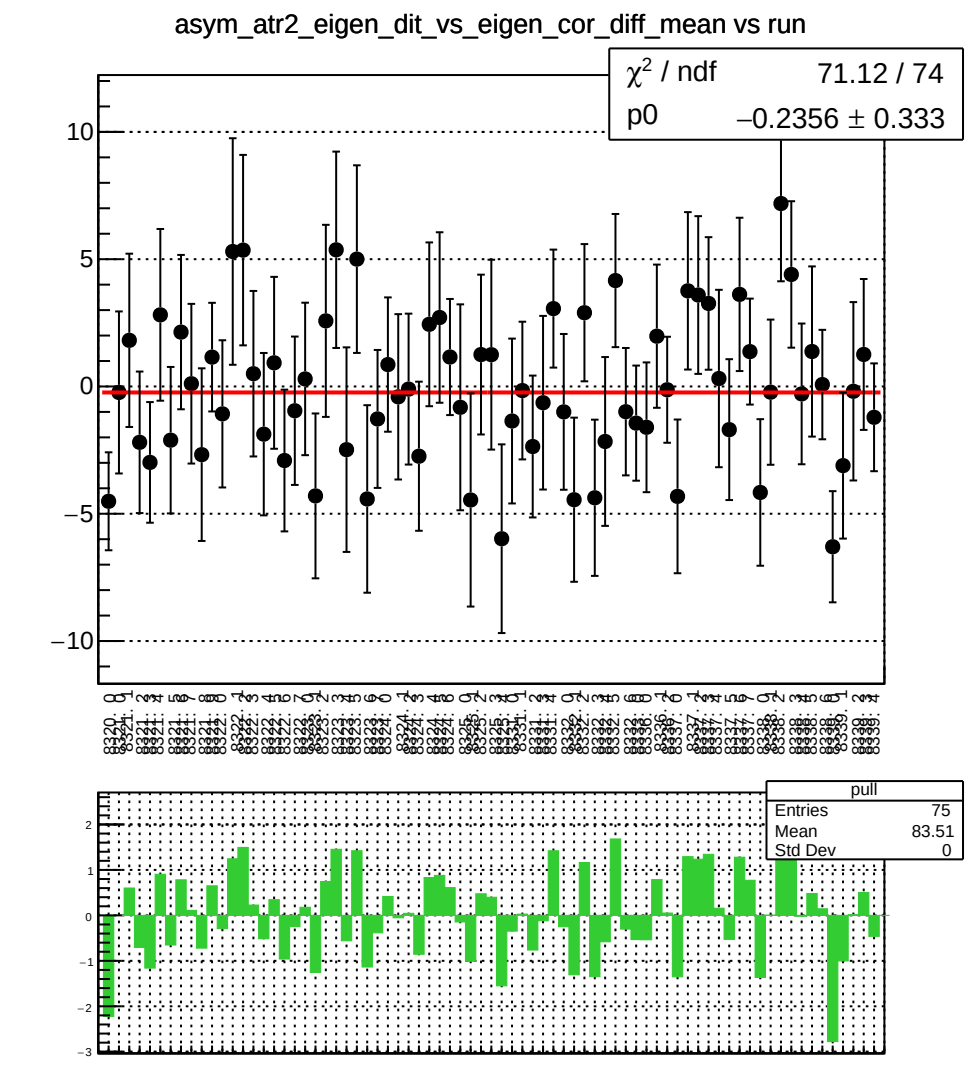

pull1D
Entries 75
Mean −0.004006
Std Dev 1.053

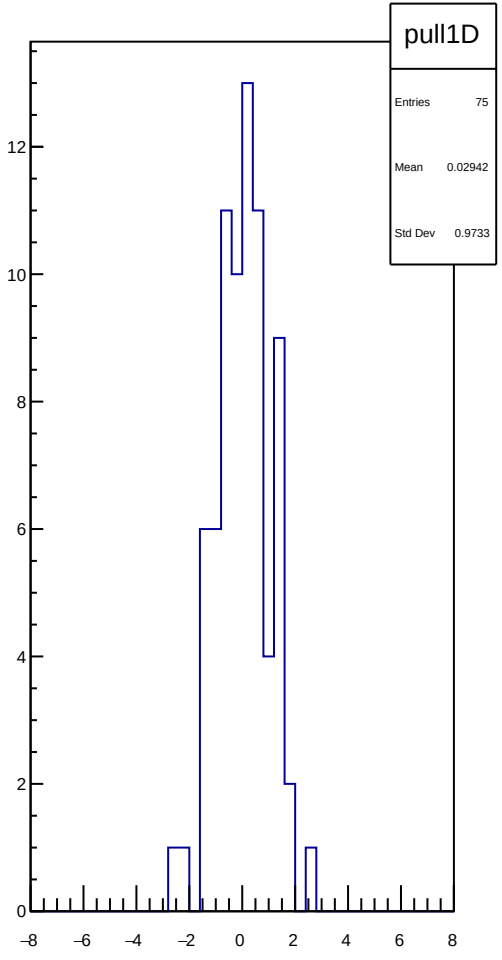

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3362 / 74
p0 0.03588 ± 2.953e–05
0.042
0.04
0.038
0.036
0.034
0.032

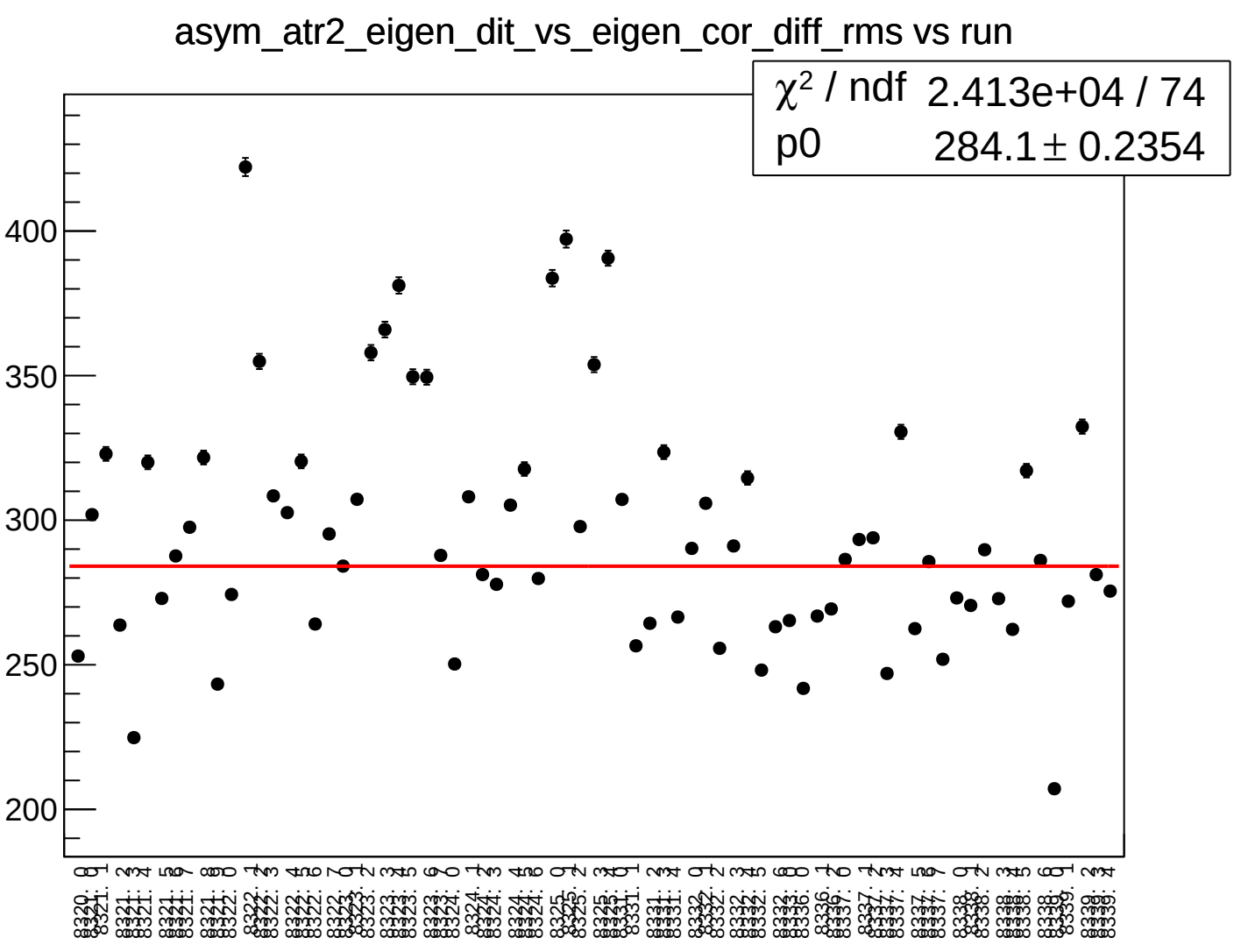

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.12 / 74
p0 −0.2356 ± 0.333
pull
Entries 75
Mean 83.51
Std Dev 0

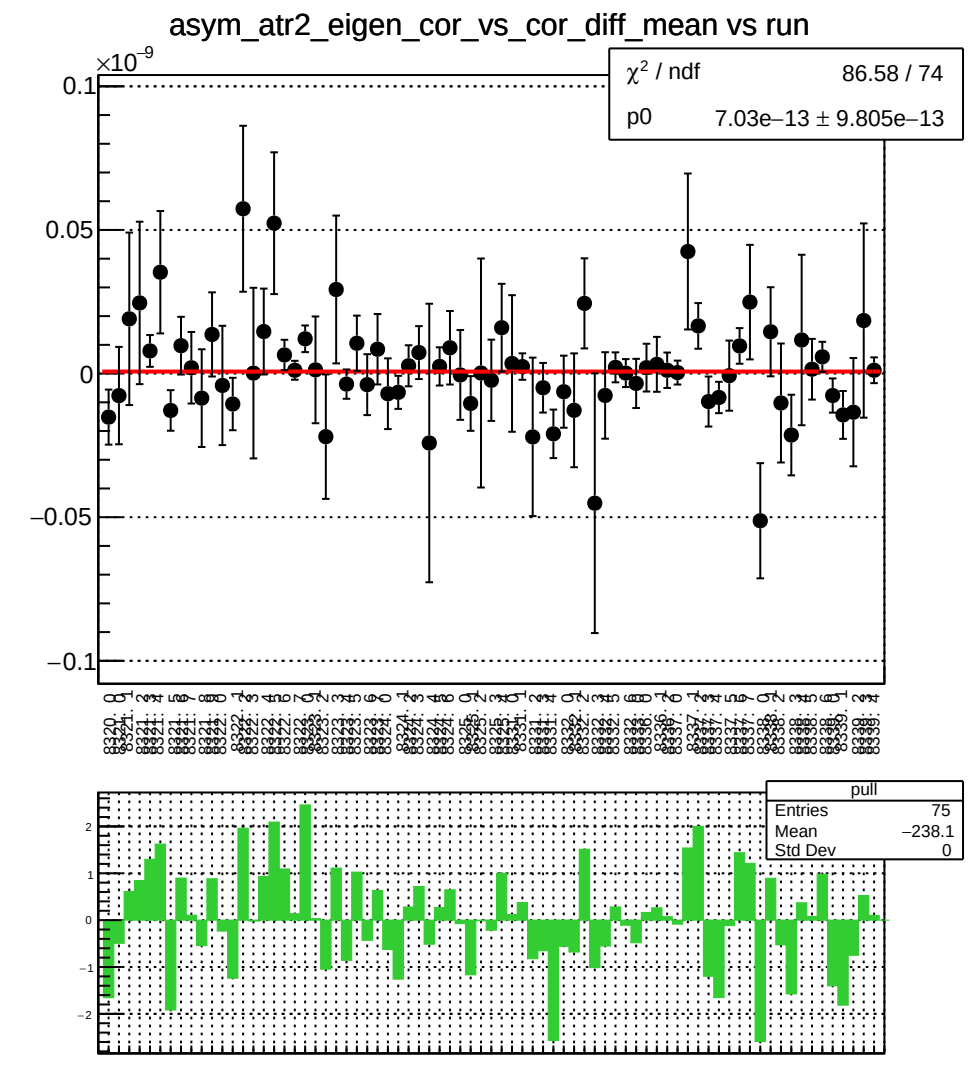

pull1D
Entries 75
Mean 0.02942
Std Dev 0.9733

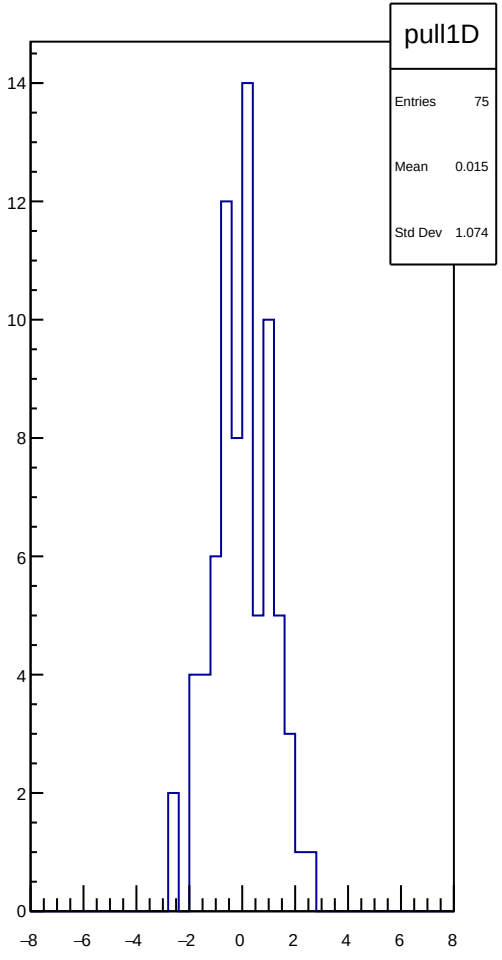

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 74
p0 284.1 ± 0.2354
400
350
300
250
200

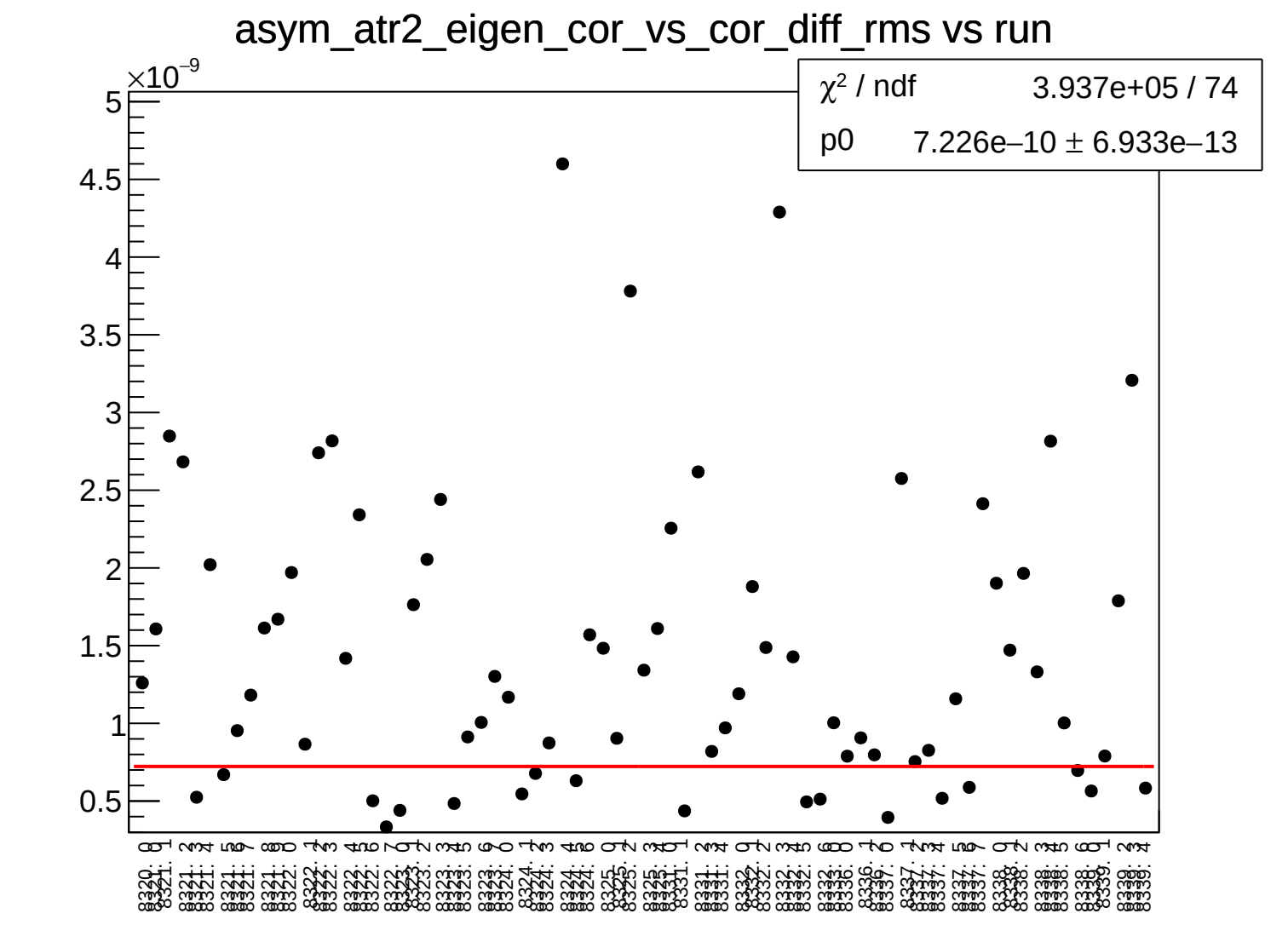

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.12 / 74
p0 −0.2356 ± 0.333
pull
Entries 75
Mean 83.51
Std Dev 0

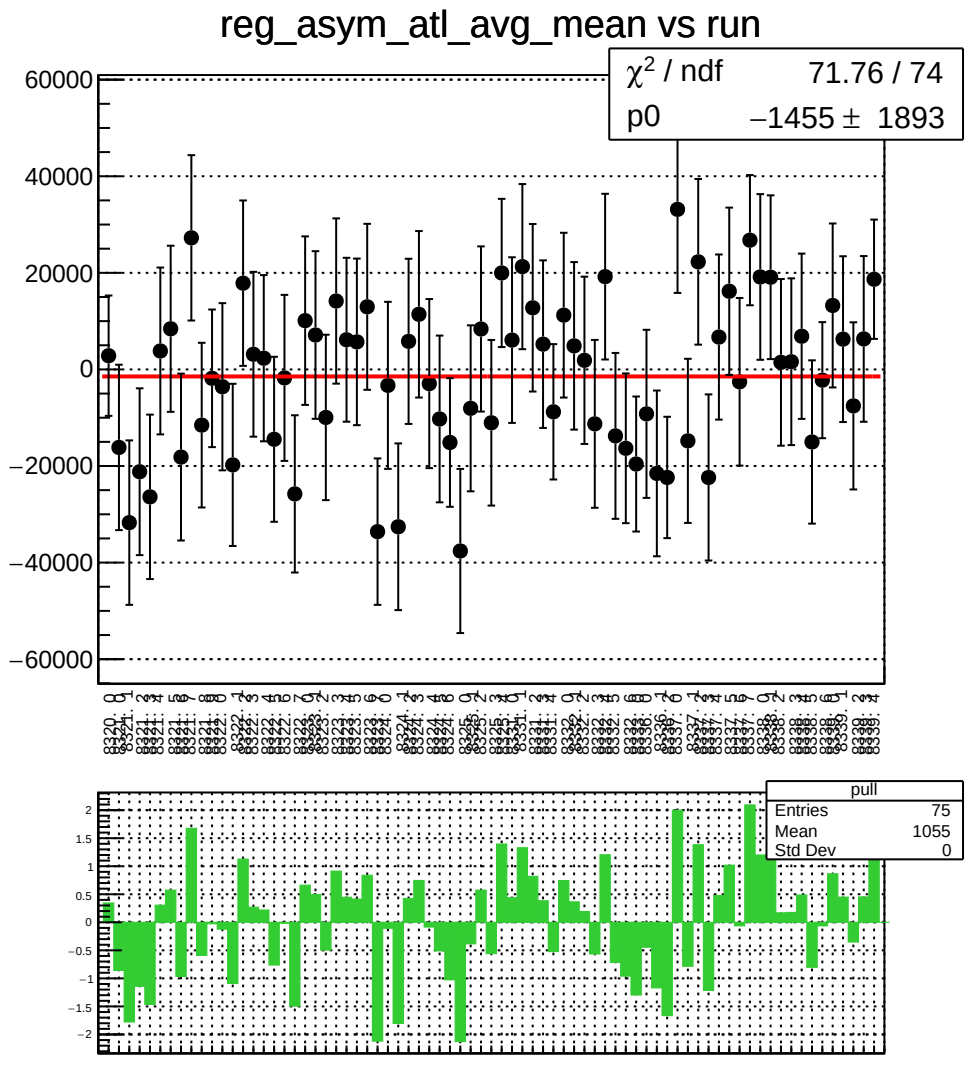

pull1D
Entries 75
Mean 0.02942
Std Dev 0.9733

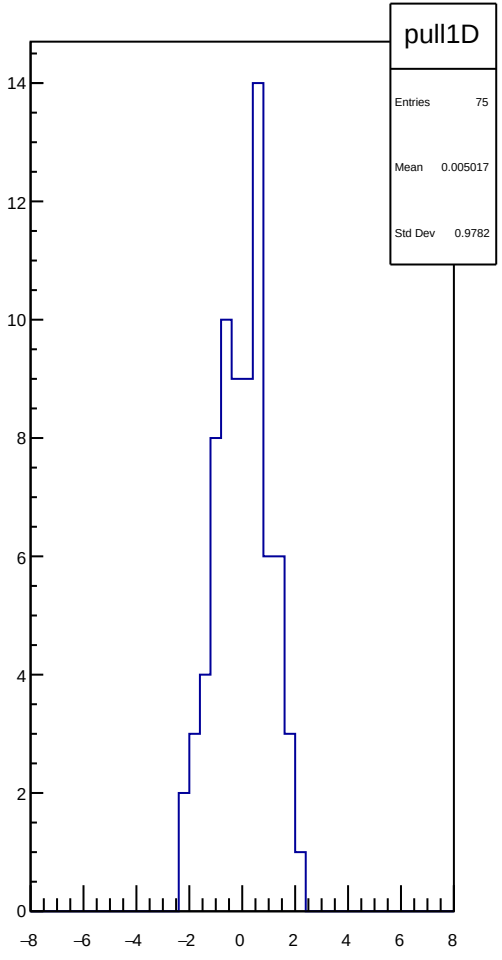

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.413e+04 / 74
p0 284.1 ± 0.2354
400
350
300
250
200

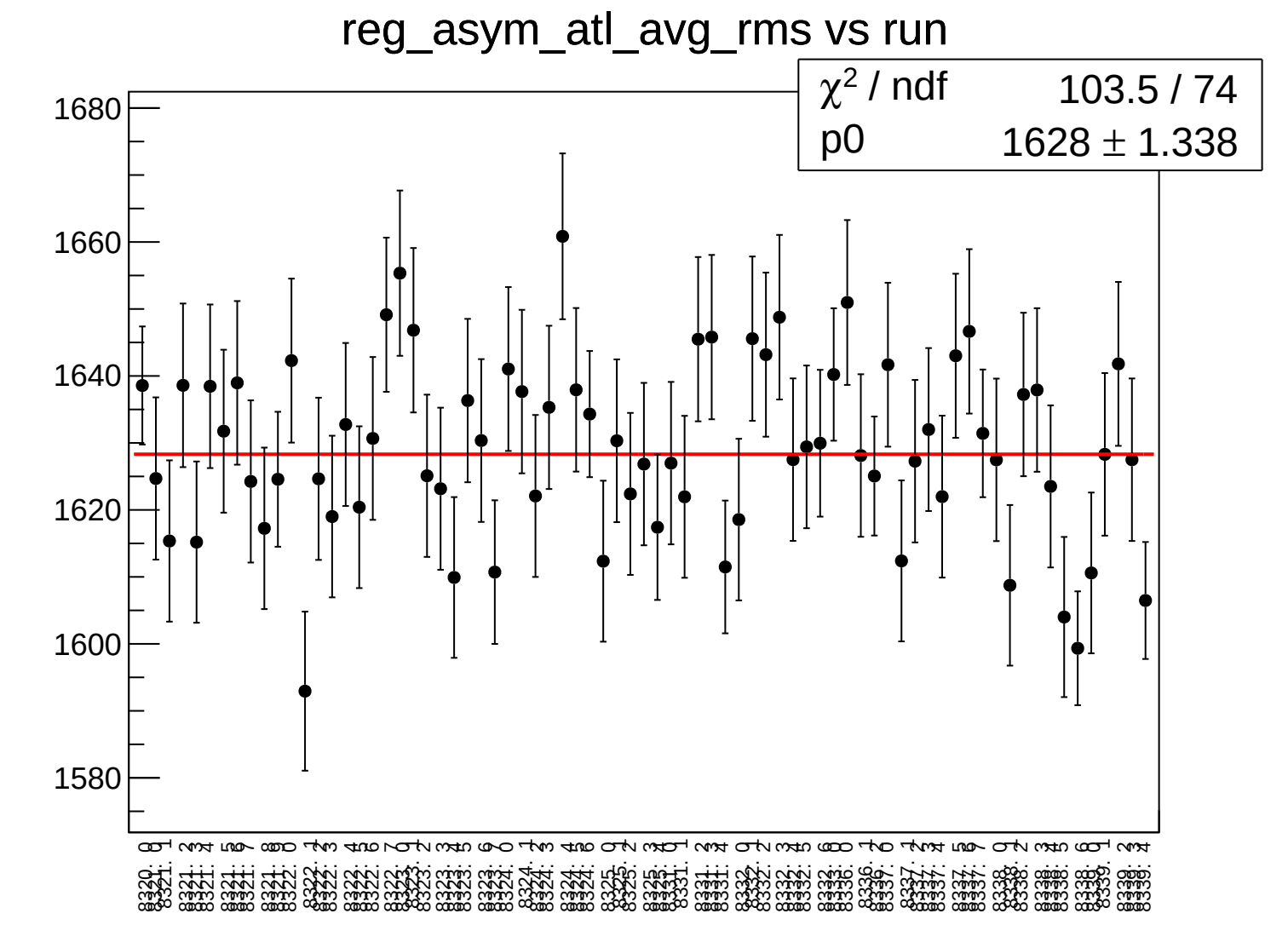

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 86.58 / 74
p0 7.03e−13 ± 9.805e−13
0.1
0.05
0
−0.05
−0.1
pull
Entries 75
Mean −238.1
Std Dev 0
2
1
0
−1
−2

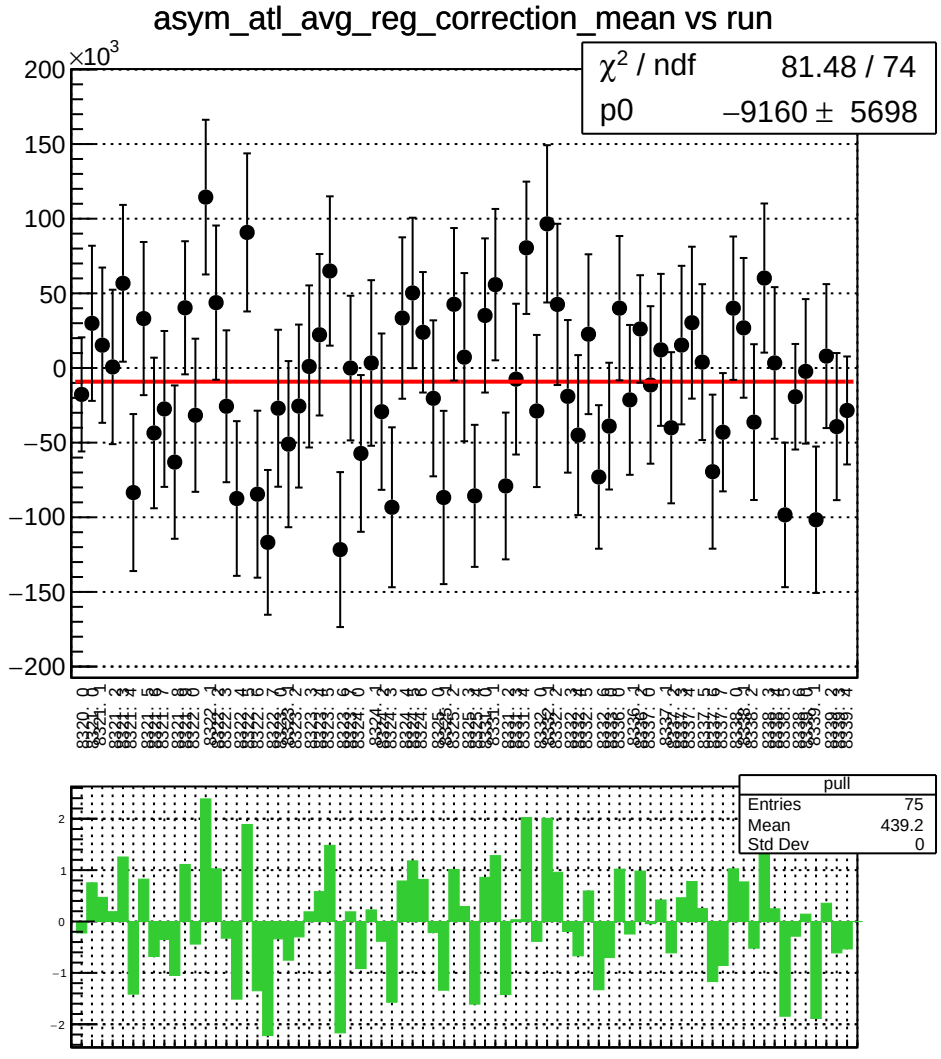

pull1D
Entries 75
Mean 0.015
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

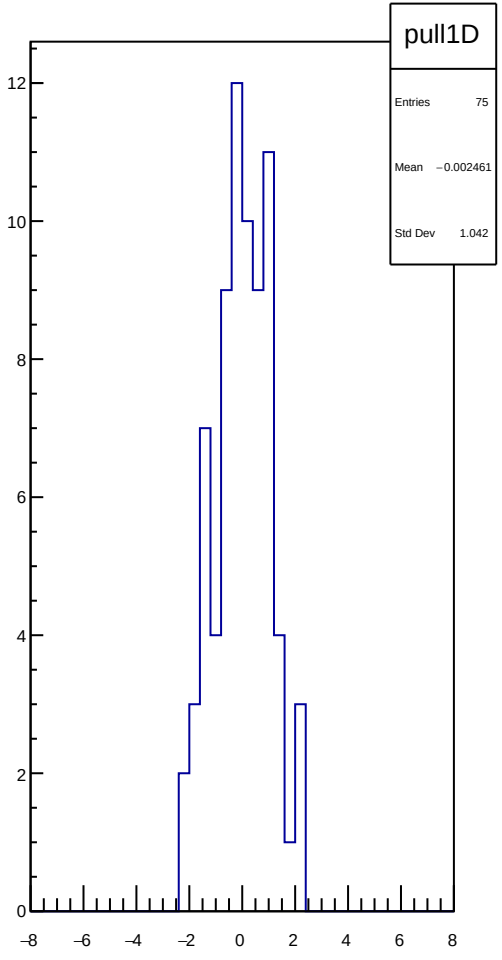

asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.937e+05 / 74
p0 7.226e−10 ± 6.933e−13
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5

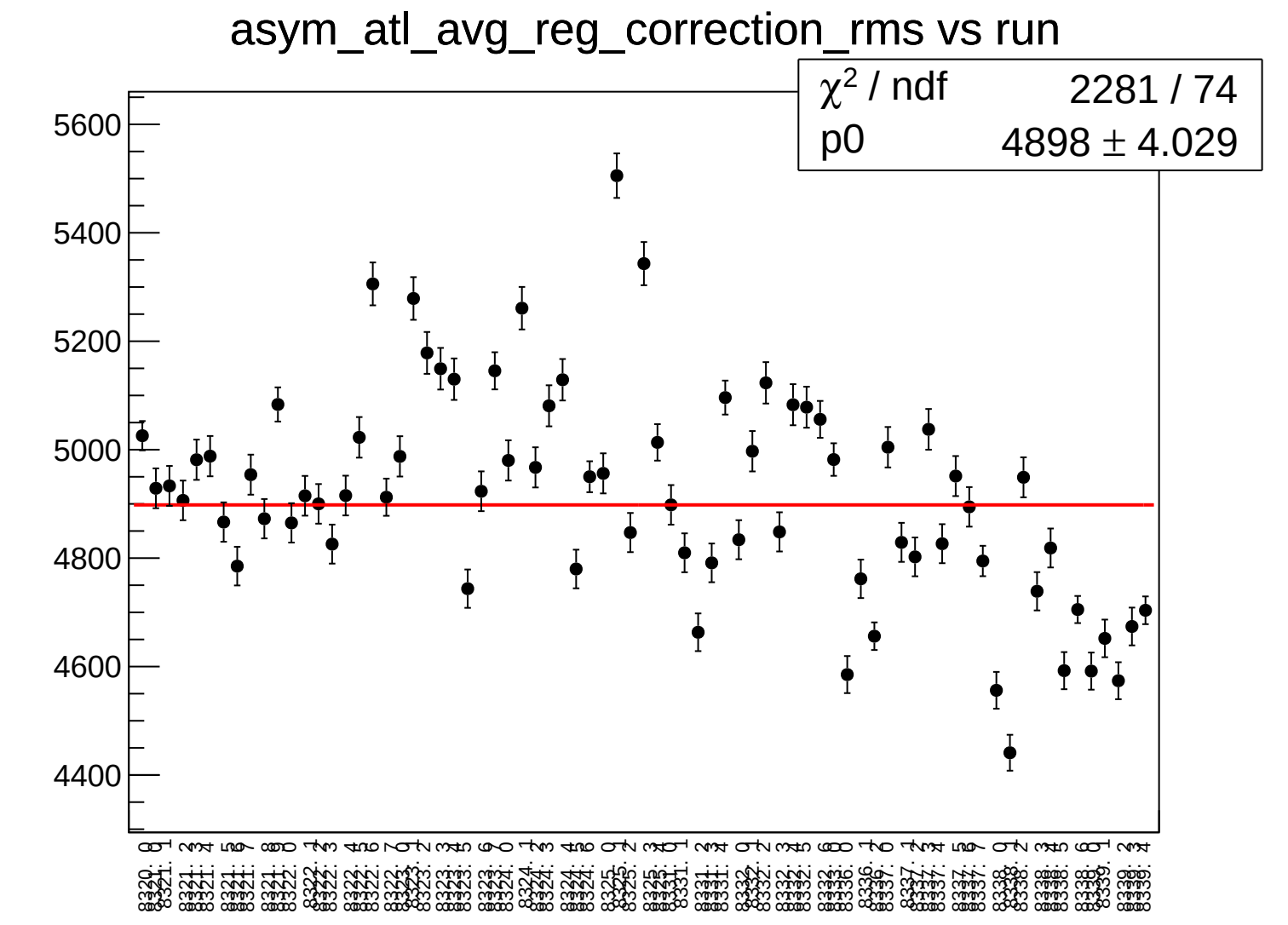

reg_asym_atl_avg_mean vs run
χ² / ndf 71.76 / 74
p0 −1455 ± 1893
pull
Entries 75
Mean 1055
Std Dev 0

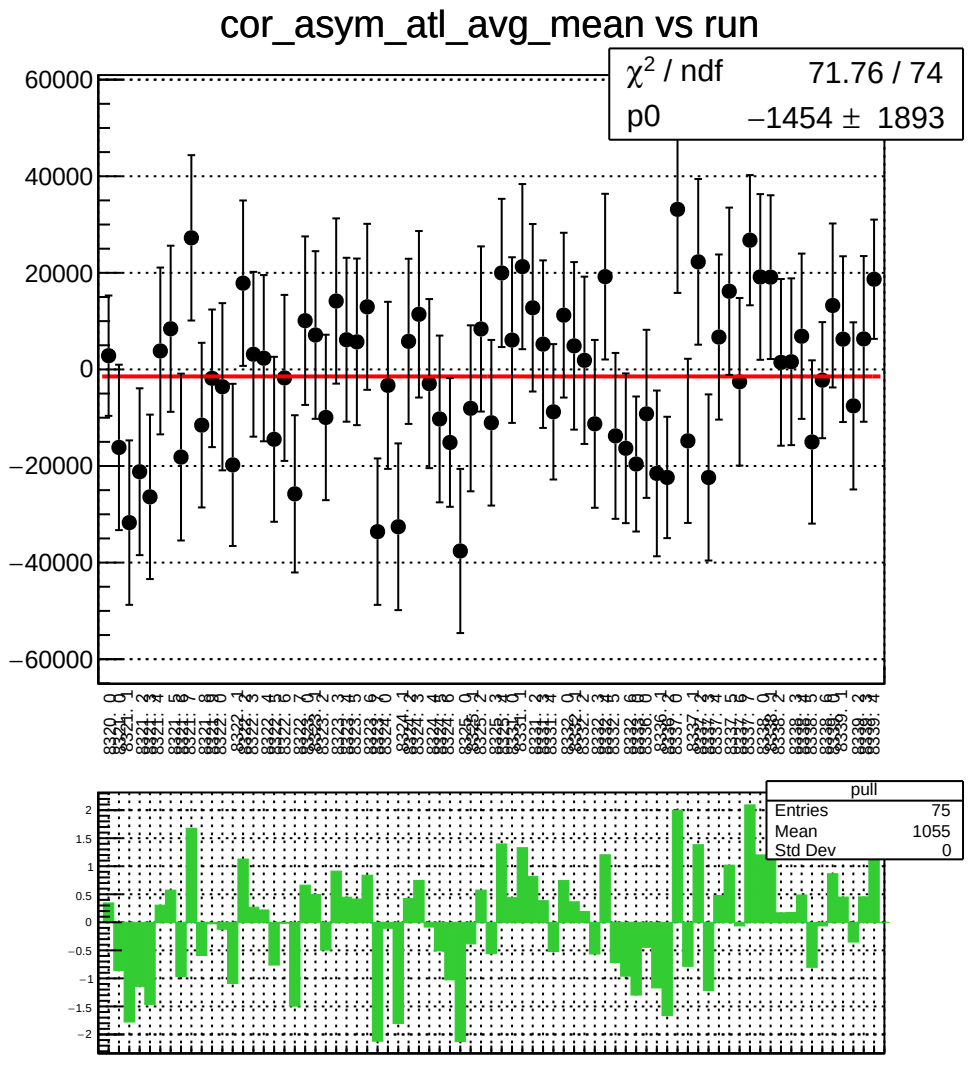

pull1D
Entries 75
Mean 0.005017
Std Dev 0.9782

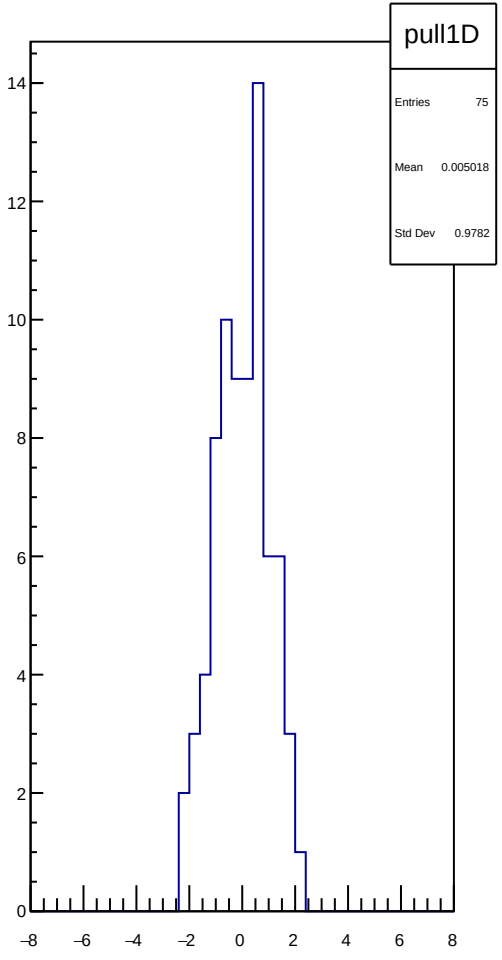

reg_asym_atl_avg_rms vs run
χ^2 / ndf 103.5 / 74
p0 1628 ± 1.338
1680
1660
1640
1620
1600
1580

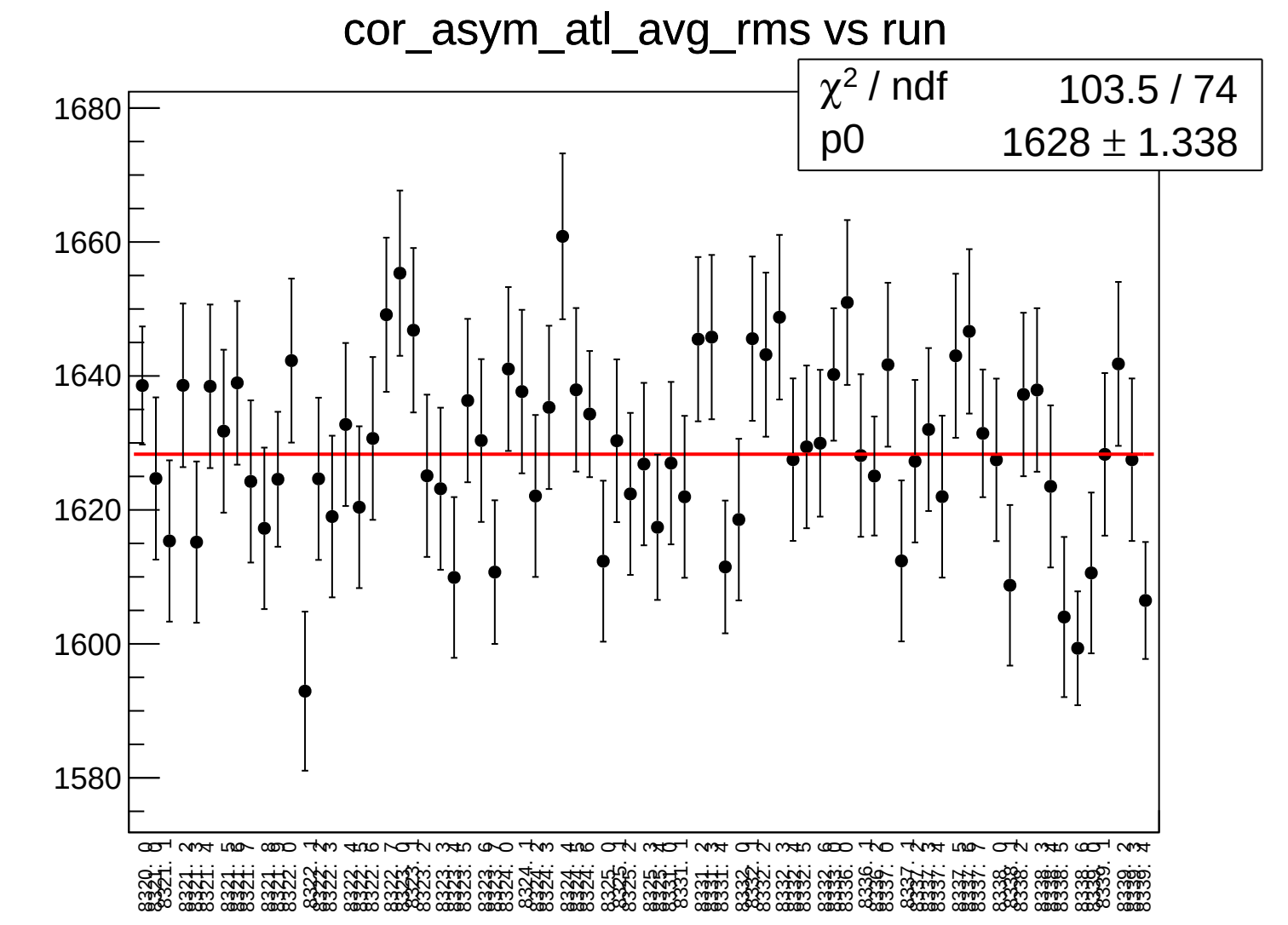

asym_atl_avg_reg_correction_mean vs run
χ² / ndf 81.48 / 74
p0 −9160 ± 5698
×10³
pull
Entries 75
Mean 439.2
Std Dev 0

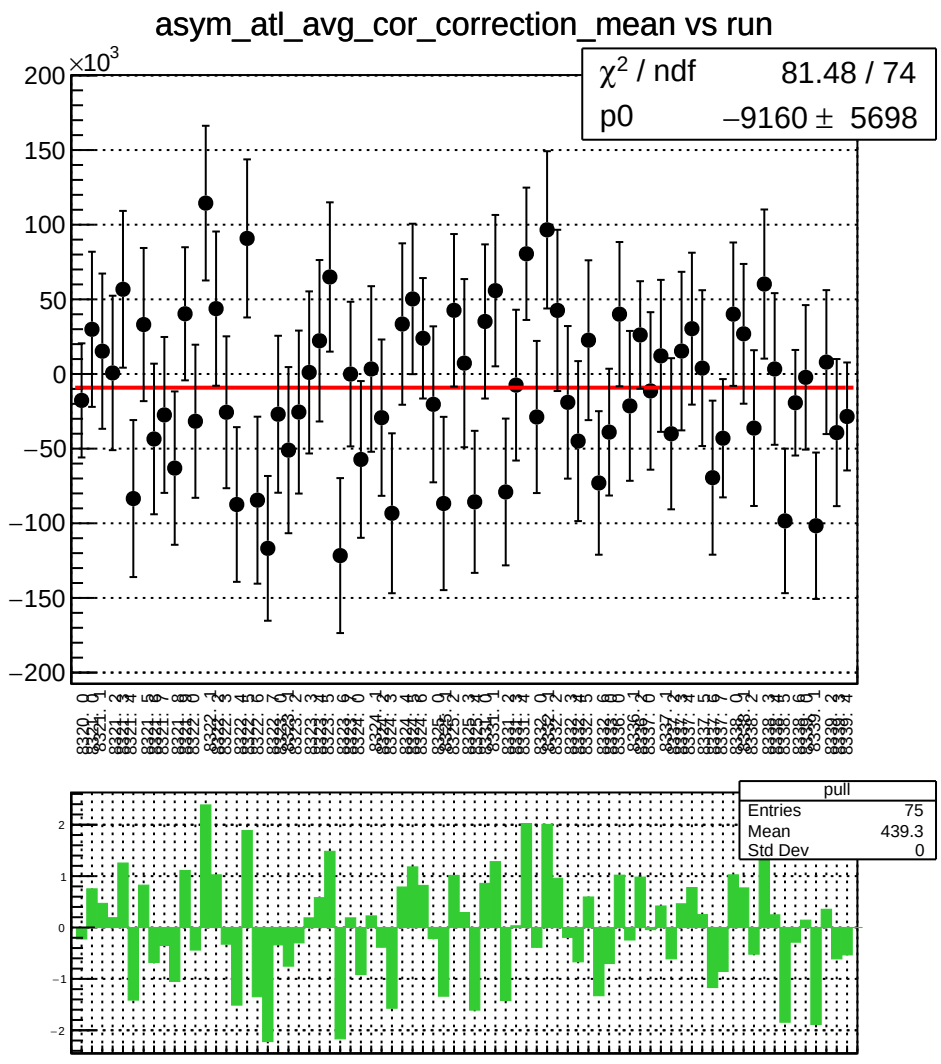

pull1D
Entries 75
Mean −0.002461
Std Dev 1.042

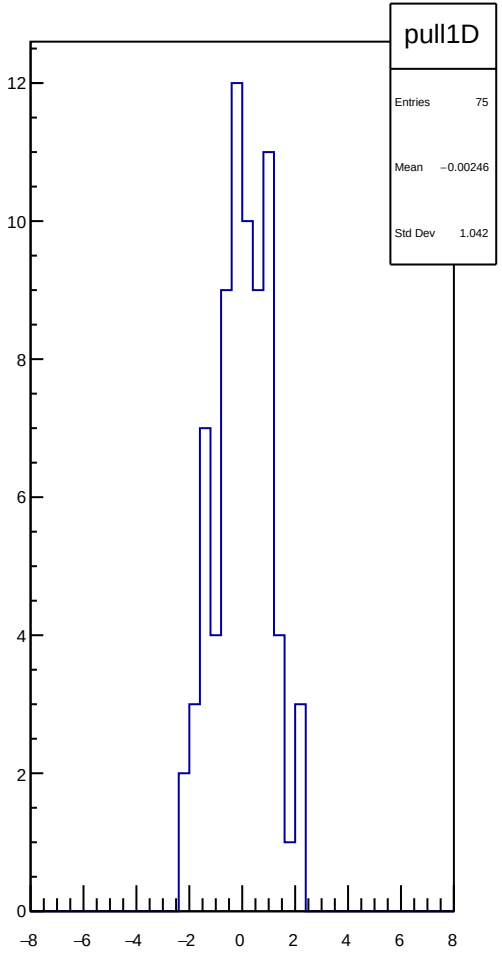

asym_atl_avg_reg_correction_rms vs run
χ² / ndf 2281 / 74
p0 4898 ± 4.029
5600
5400
5200
5000
4800
4600
4400

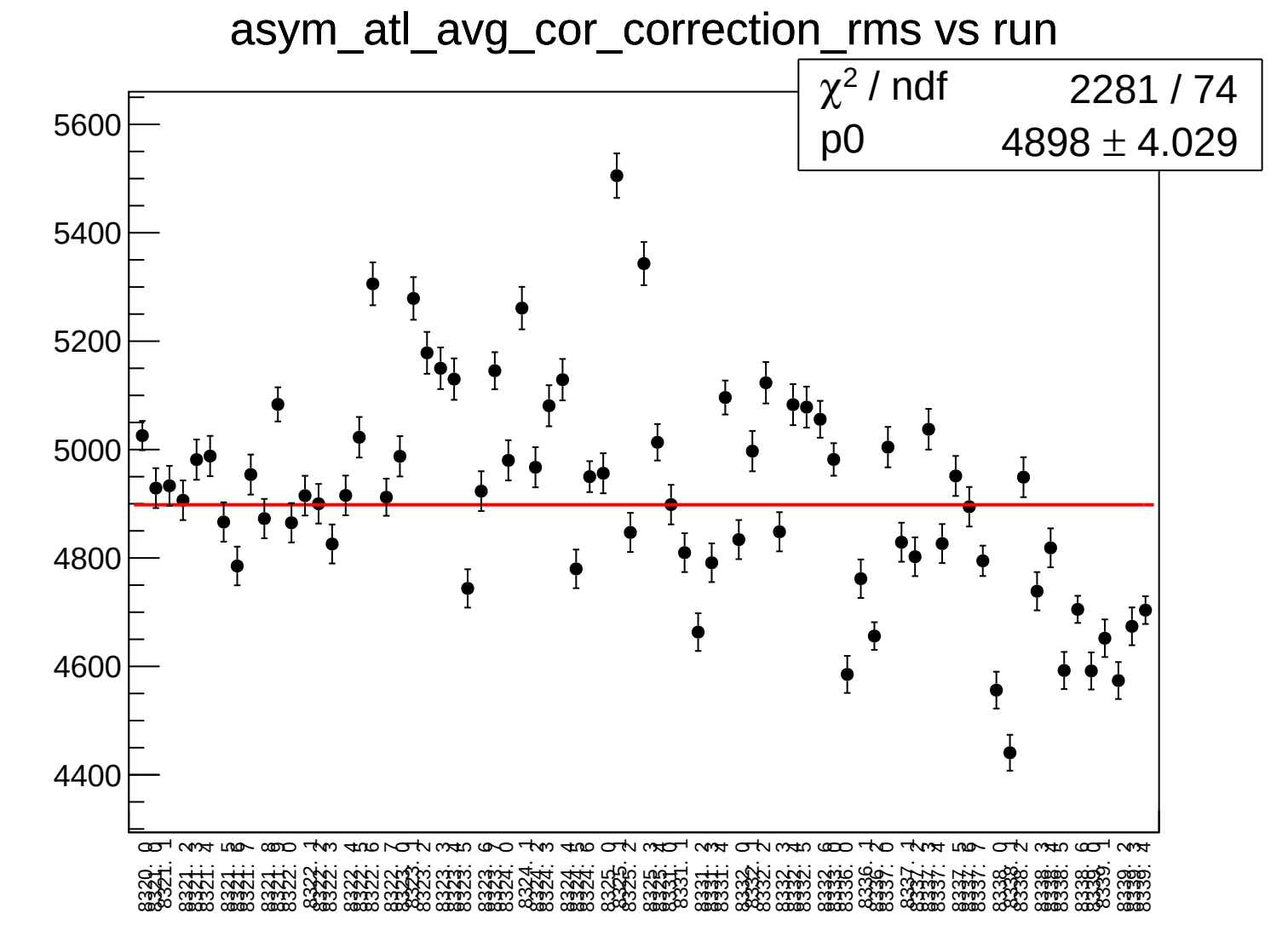

cor_asym_atl_avg_mean vs run
χ² / ndf 71.76 / 74
p0 −1454 ± 1893
pull
Entries 75
Mean 1055
Std Dev 0

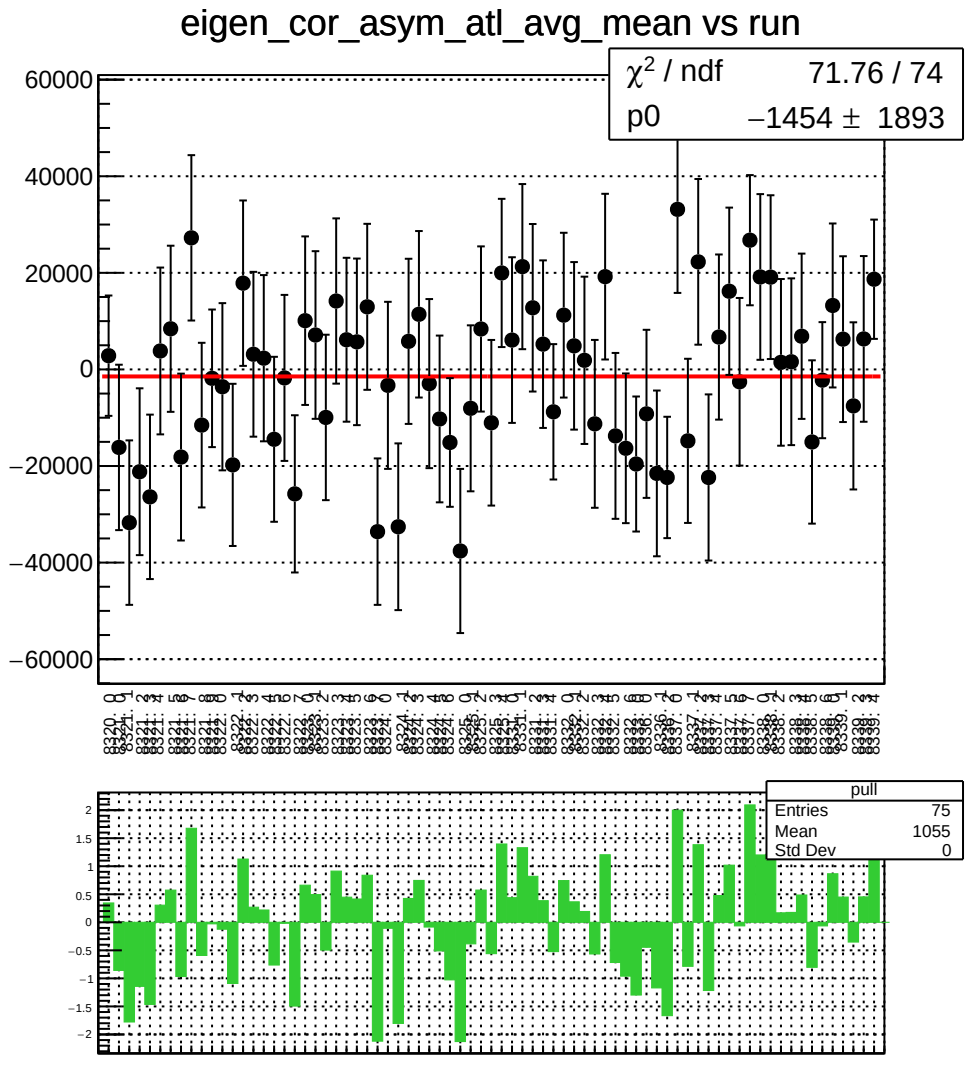

pull1D
Entries 75
Mean 0.005018
Std Dev 0.9782

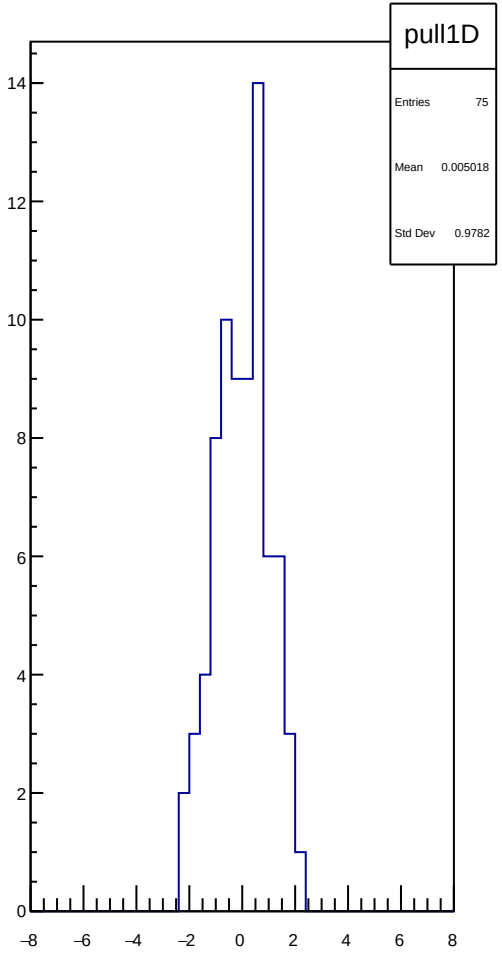

cor_asym_atl_avg_rms vs run
χ^2 / ndf 103.5 / 74
p0 1628 ± 1.338
1680
1660
1640
1620
1600
1580

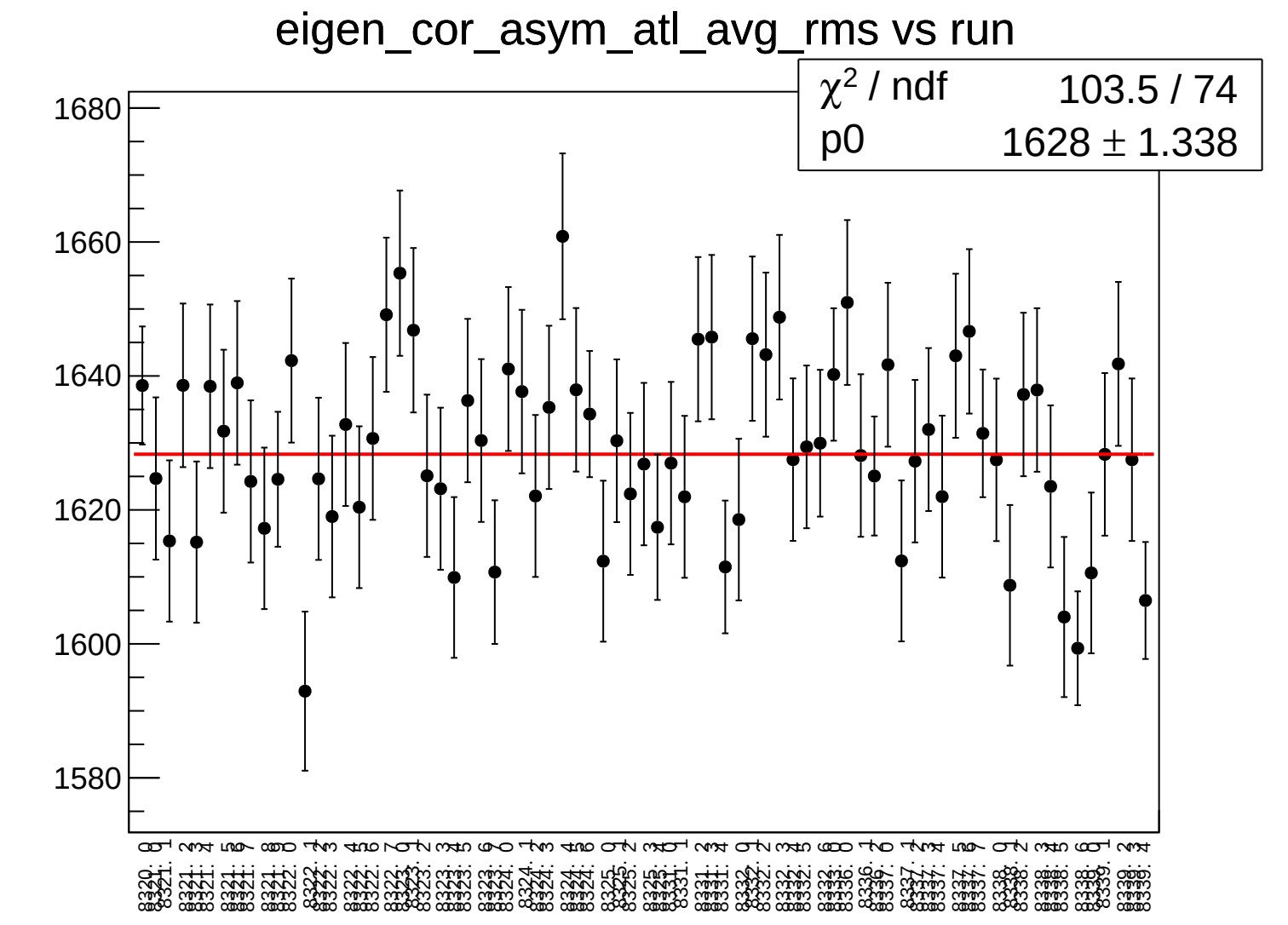

asym_atl_avg_cor_correction_mean vs run
χ² / ndf 81.48 / 74
p0 −9160 ± 5698
×10³
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 439.3
Std Dev 0
2
1
0
−1
−2

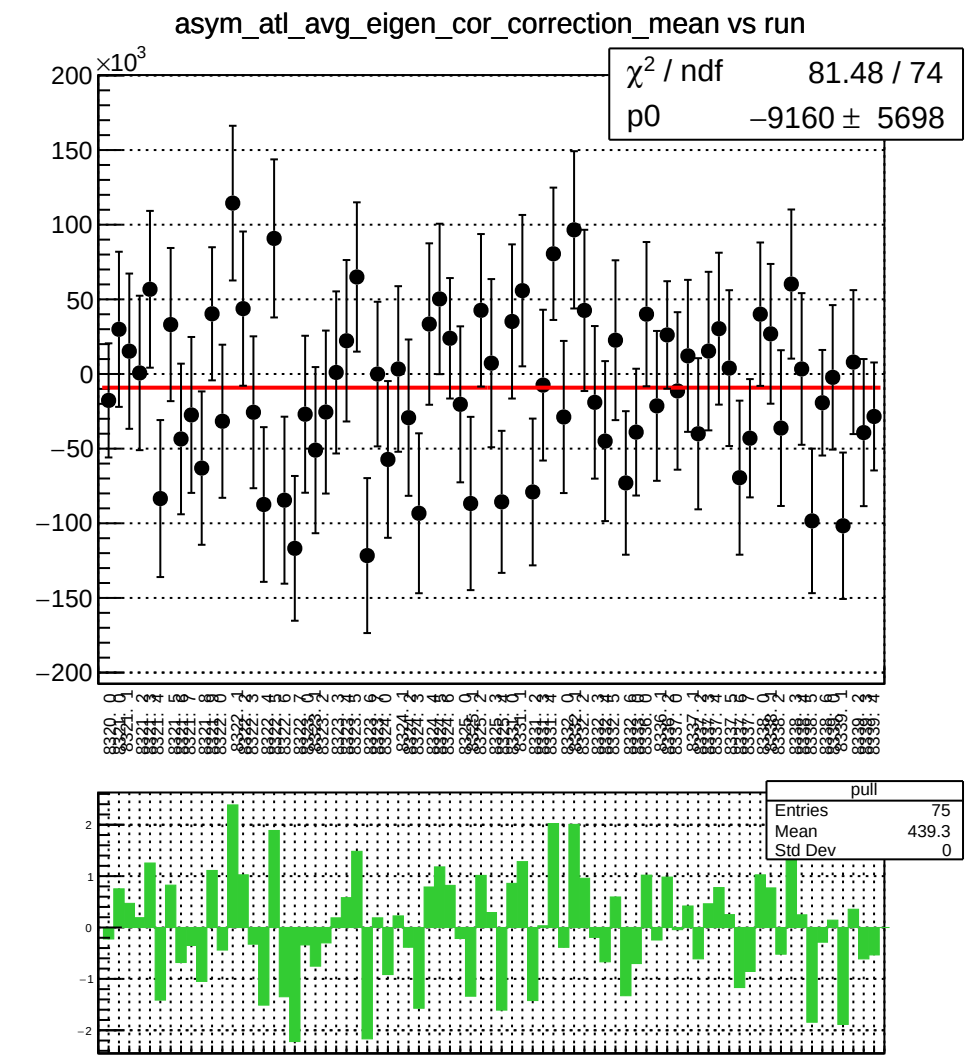

pull1D
Entries 75
Mean −0.00246
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

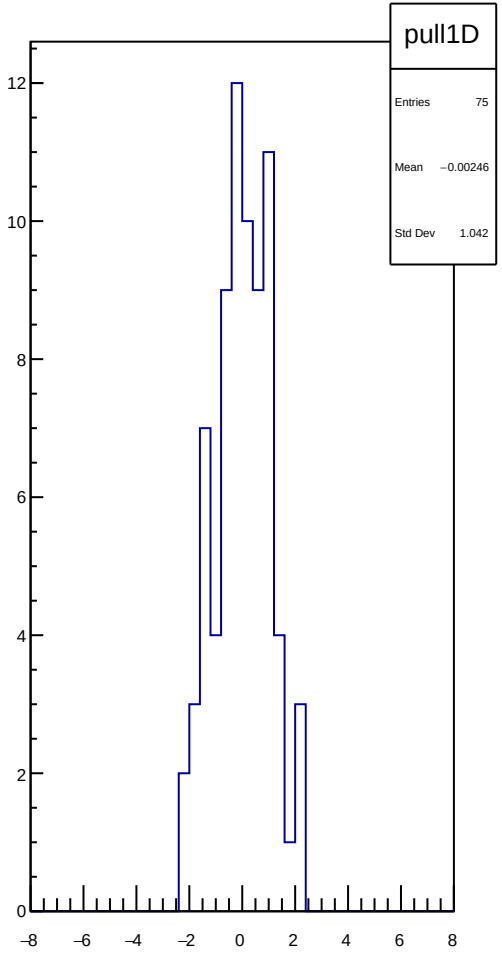

asym_atl_avg_cor_correction_rms vs run
χ² / ndf 2281 / 74
p0 4898 ± 4.029
5600
5400
5200
5000
4800
4600
4400

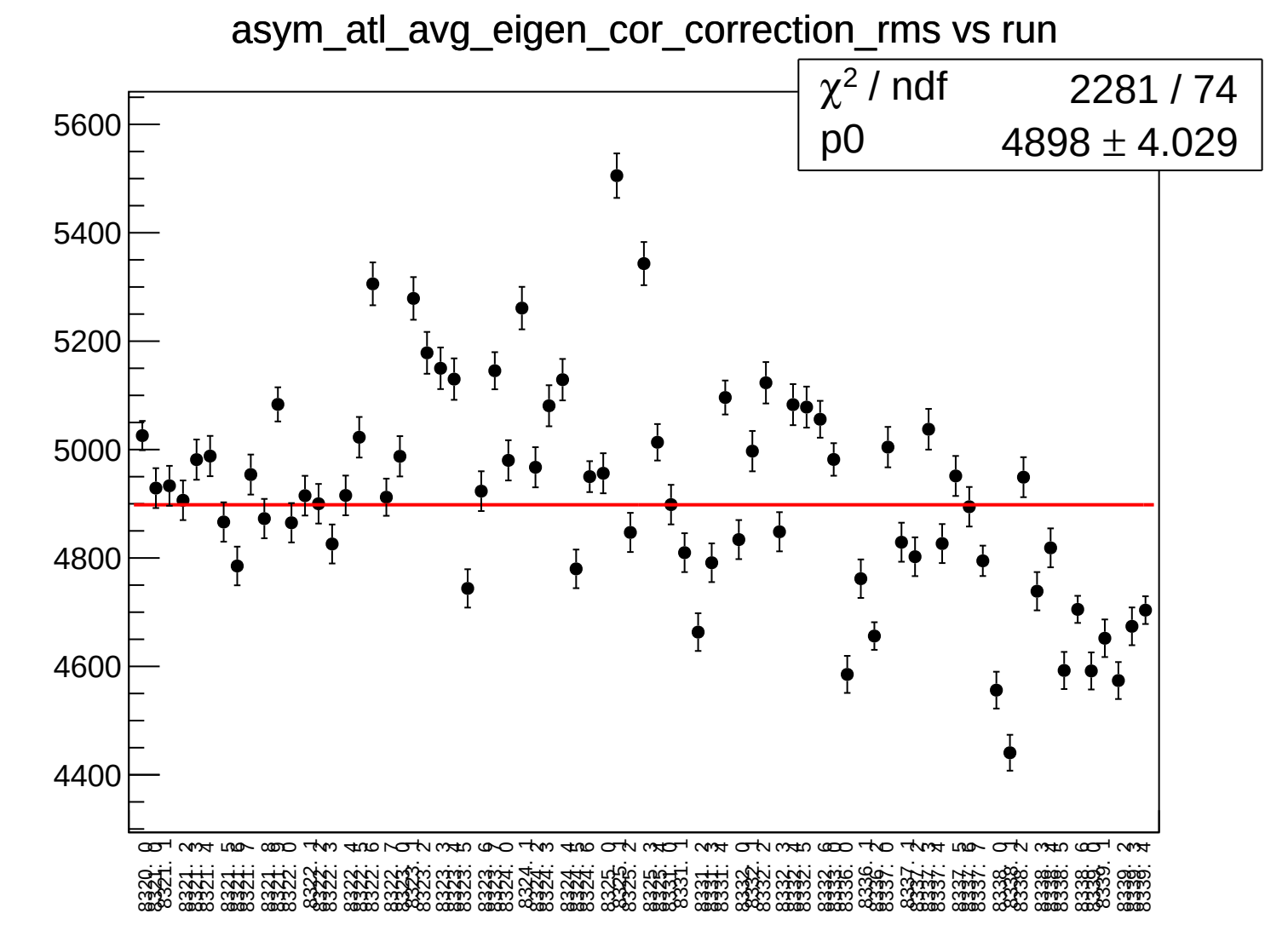

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 71.76 / 74
p0 −1454 ± 1893
pull
Entries 75
Mean 1055
Std Dev 0

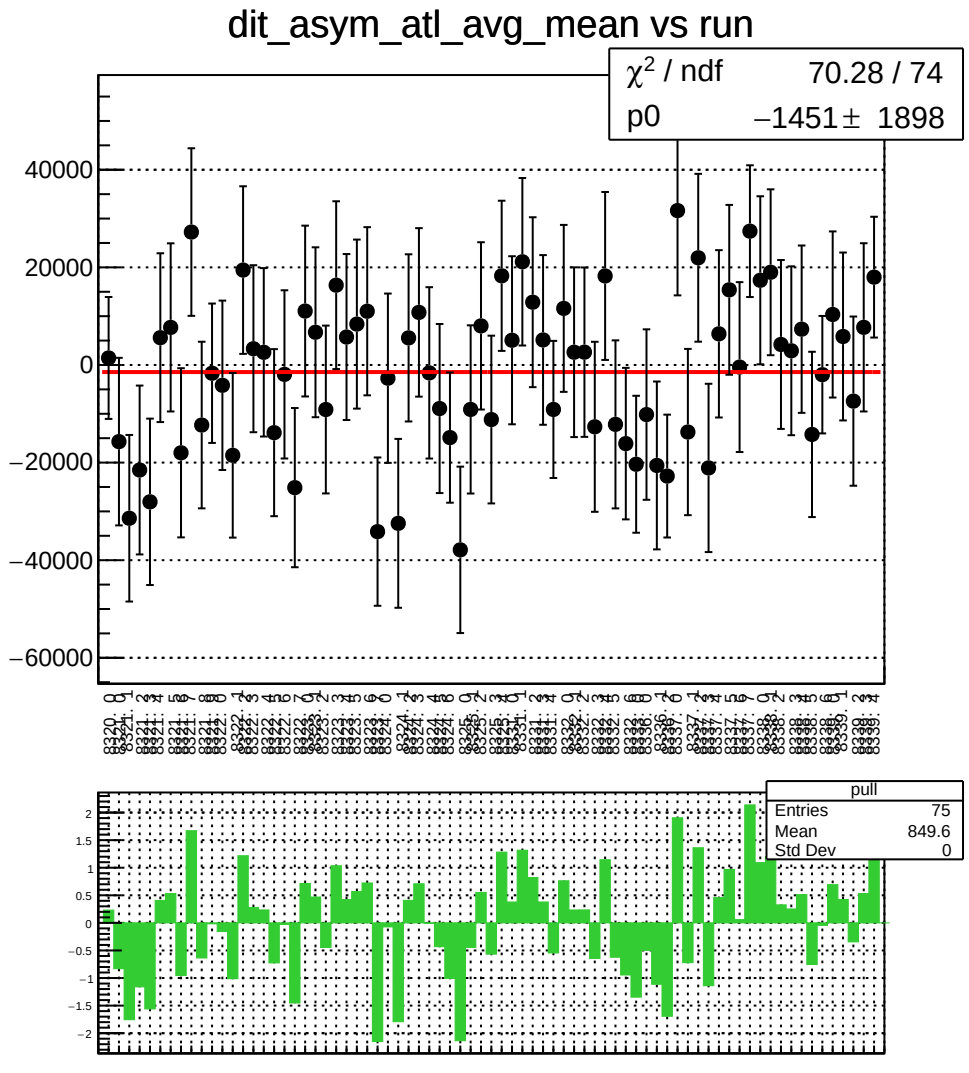

pull1D
Entries 75
Mean 0.005018
Std Dev 0.9782

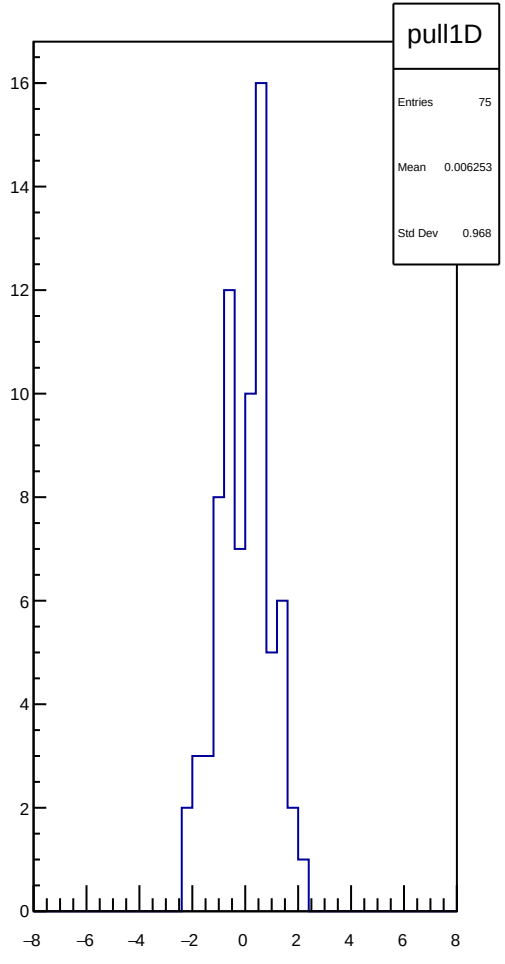

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 103.5 / 74
p0 1628 ± 1.338
1680
1660
1640
1620
1600
1580

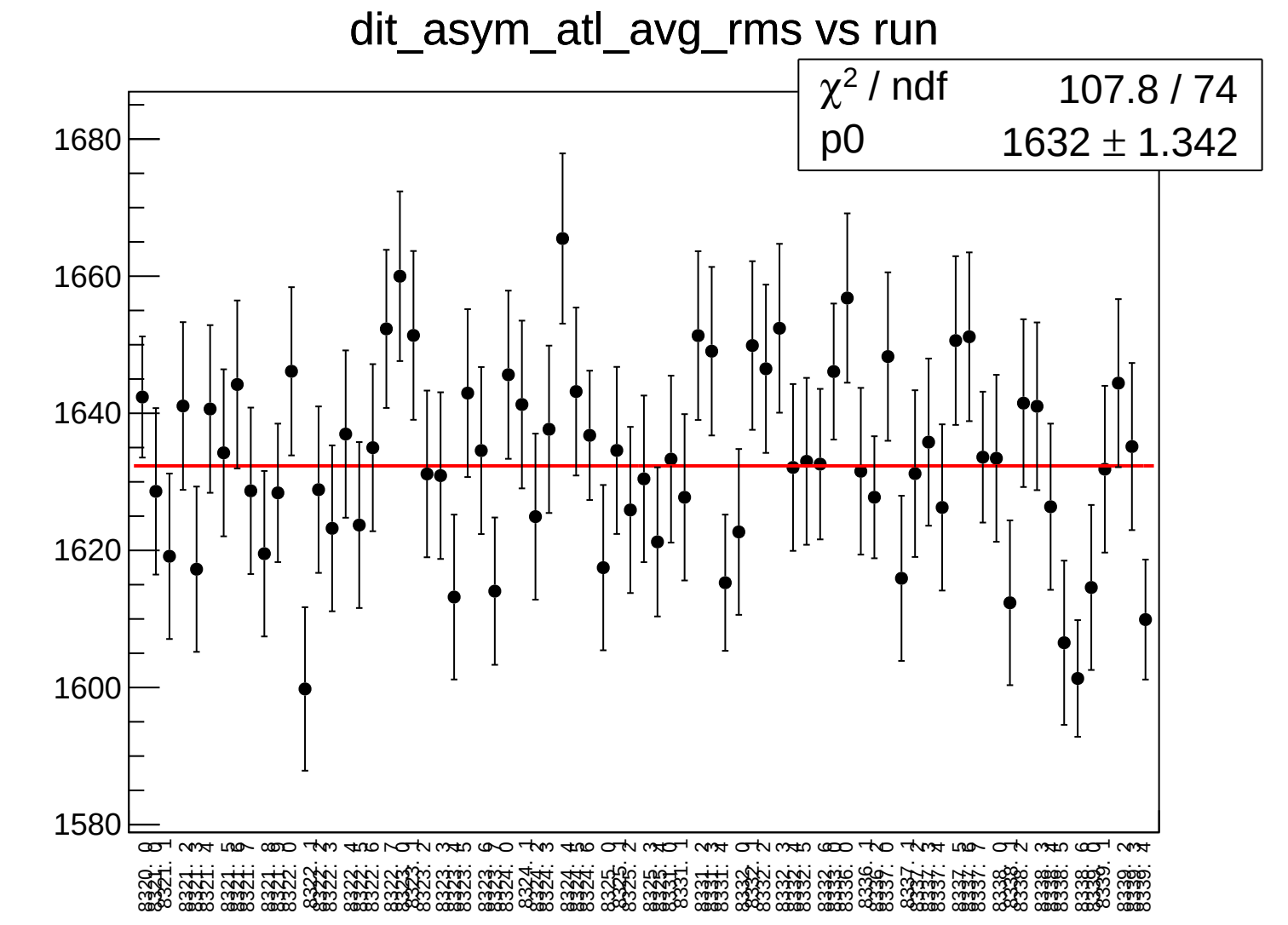

asym_atl_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.48 / 74
p0 −9160 ± 5698
pull
Entries 75
Mean 439.3
Std Dev 0

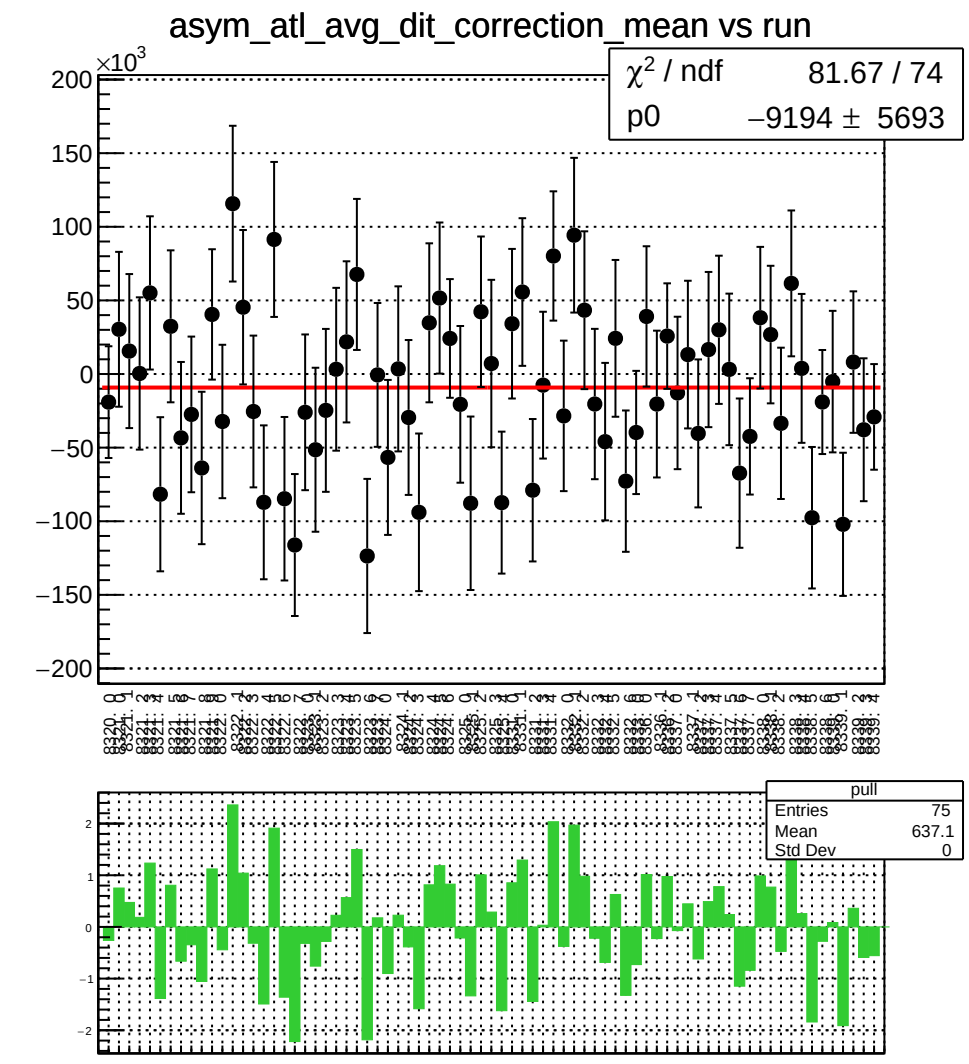

pull1D
Entries 75
Mean −0.00246
Std Dev 1.042

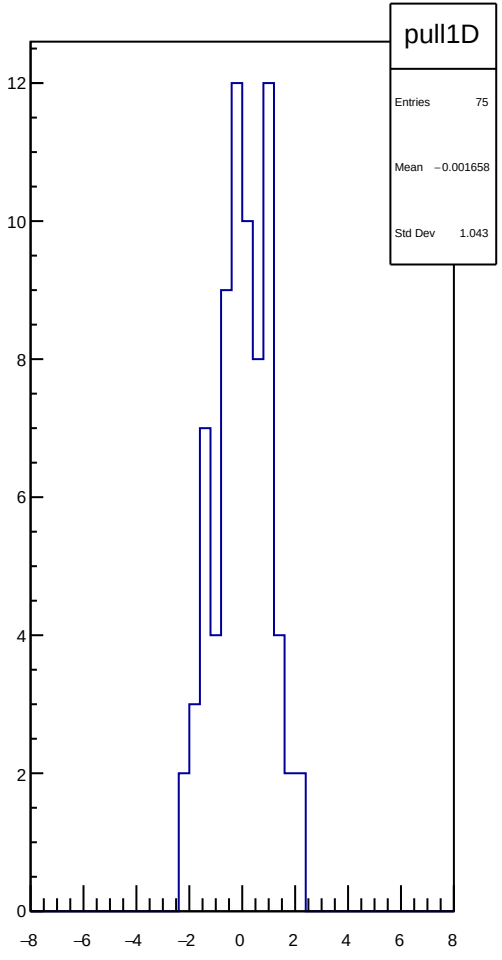

asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 2281 / 74
p0 4898 ± 4.029
5600
5400
5200
5000
4800
4600
4400

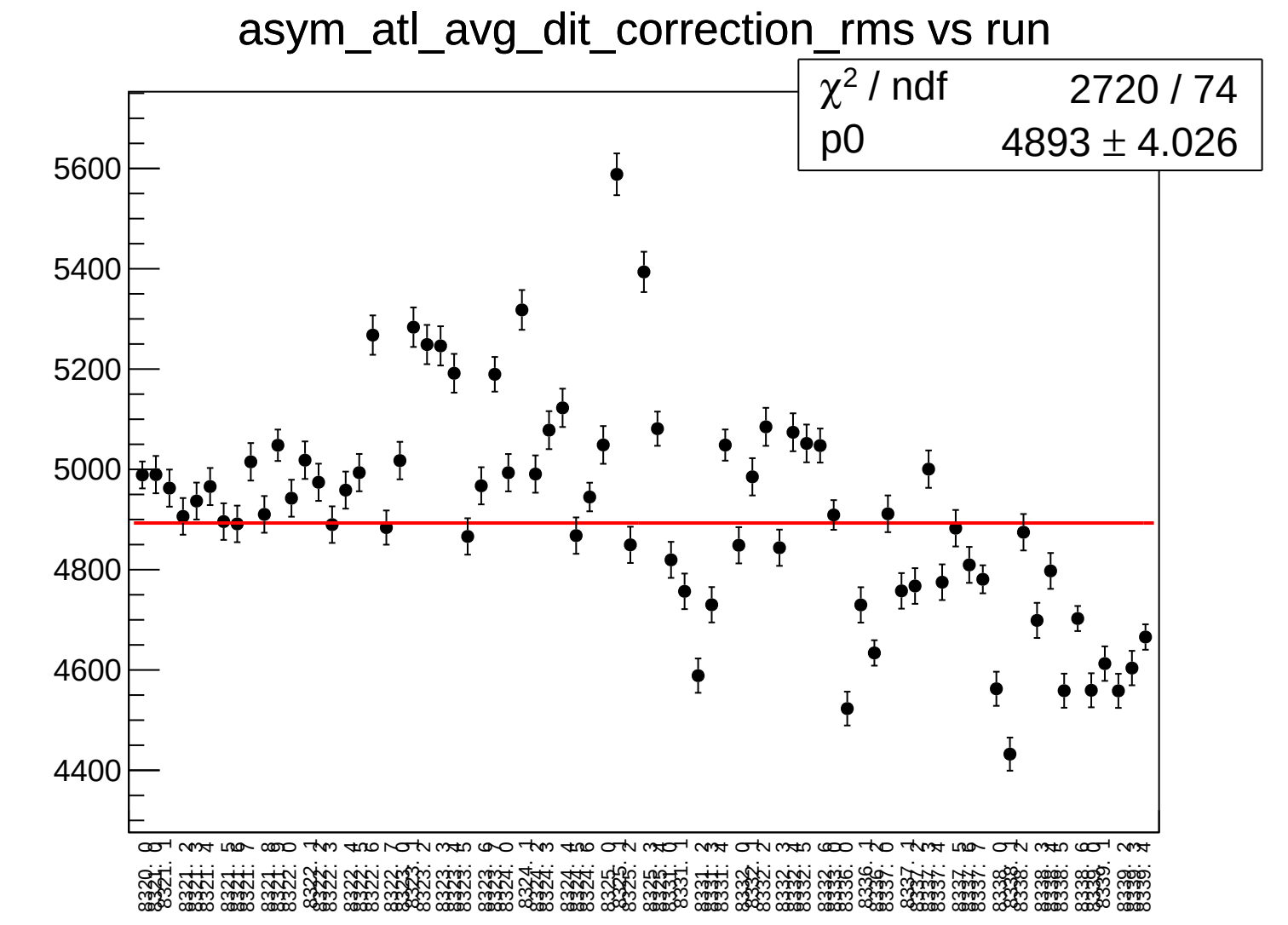

dit_asym_atl_avg_mean vs run
χ² / ndf 70.28 / 74
p0 −1451 ± 1898
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 849.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

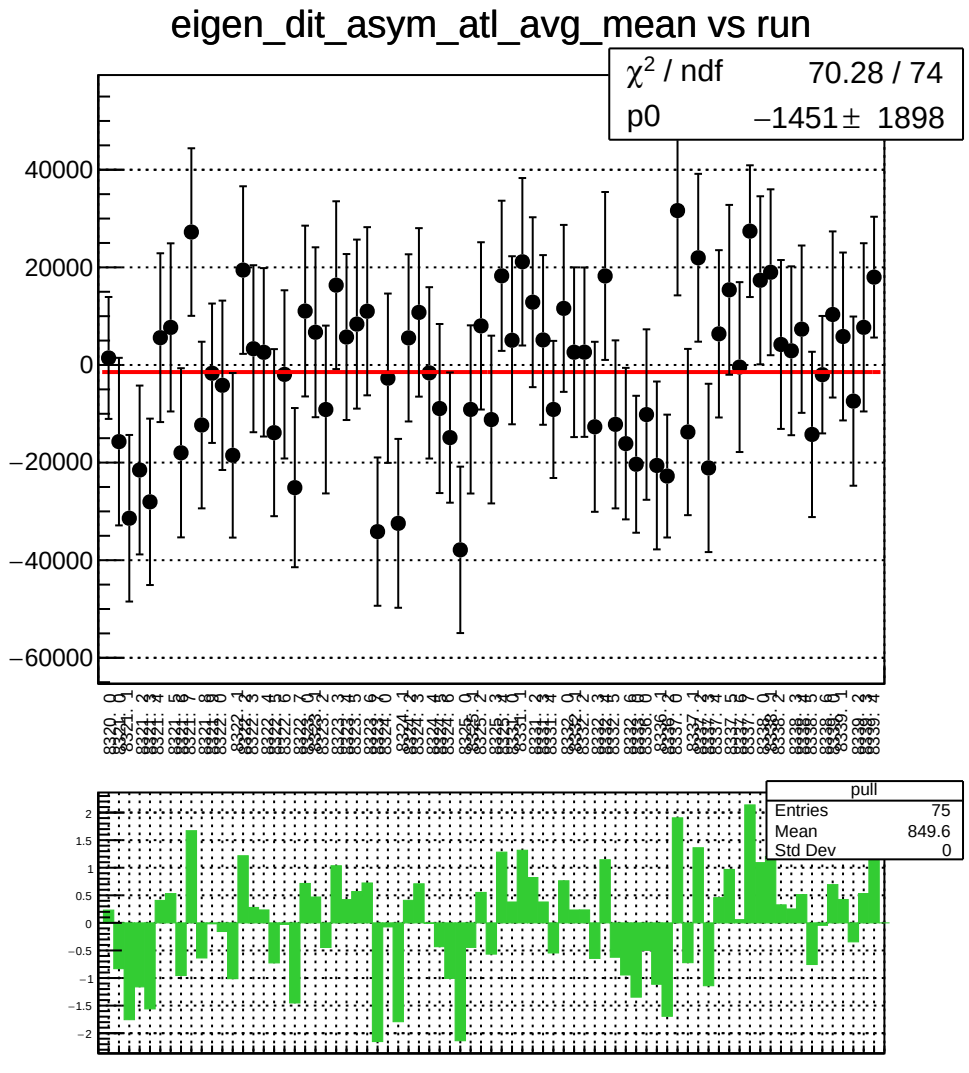

pull1D
Entries 75
Mean 0.006253
Std Dev 0.968
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

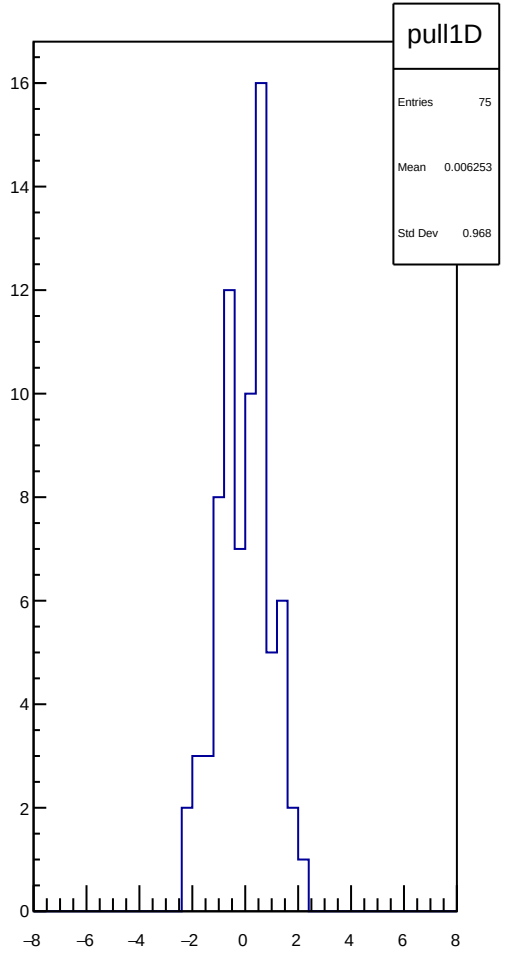

dit_asym_atl_avg_rms vs run
χ² / ndf 107.8 / 74
p0 1632 ± 1.342
1680
1660
1640
1620
1600
1580

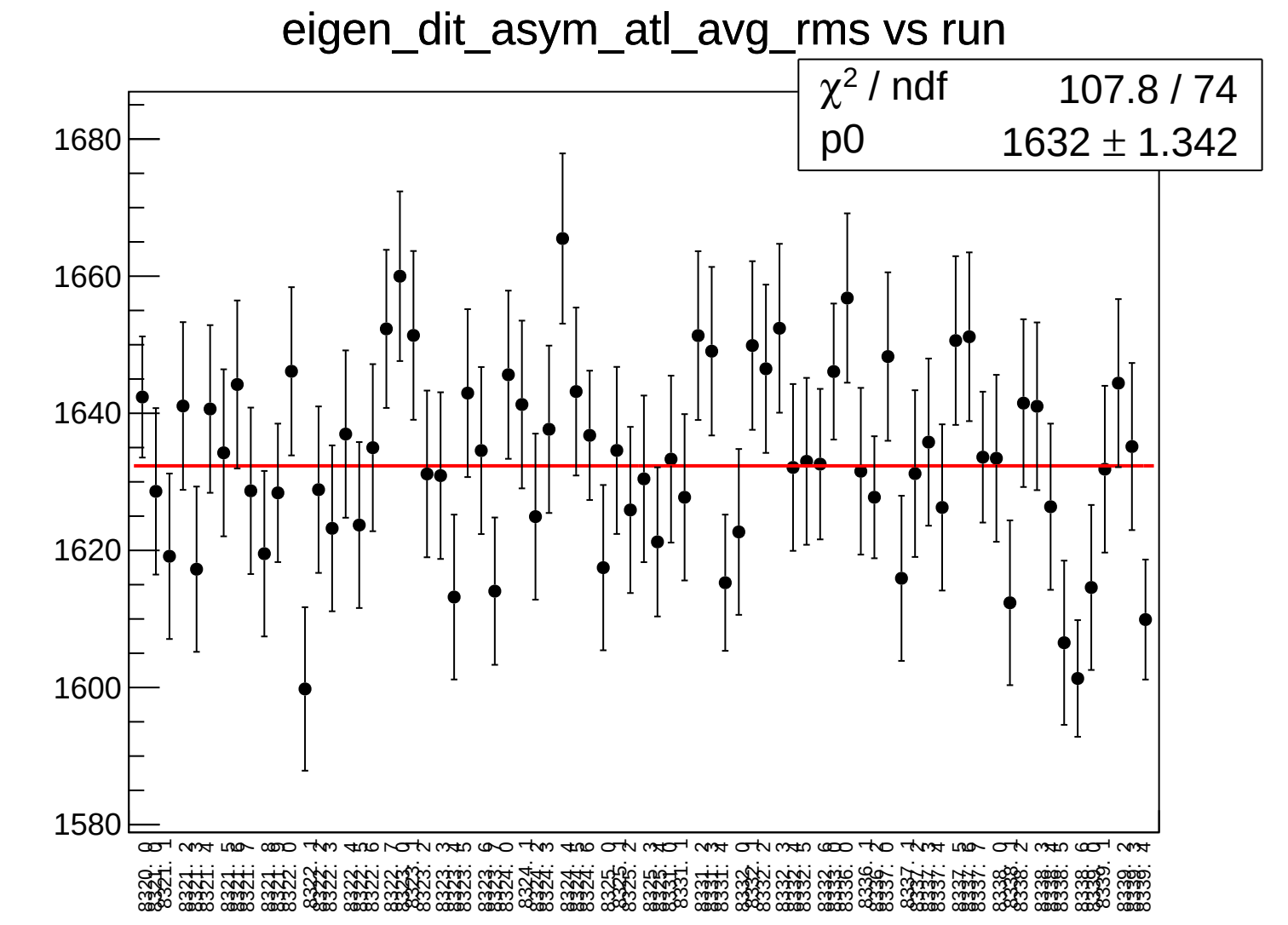

asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.67 / 74
p0 −9194 ± 5693
pull
Entries 75
Mean 637.1
Std Dev 0

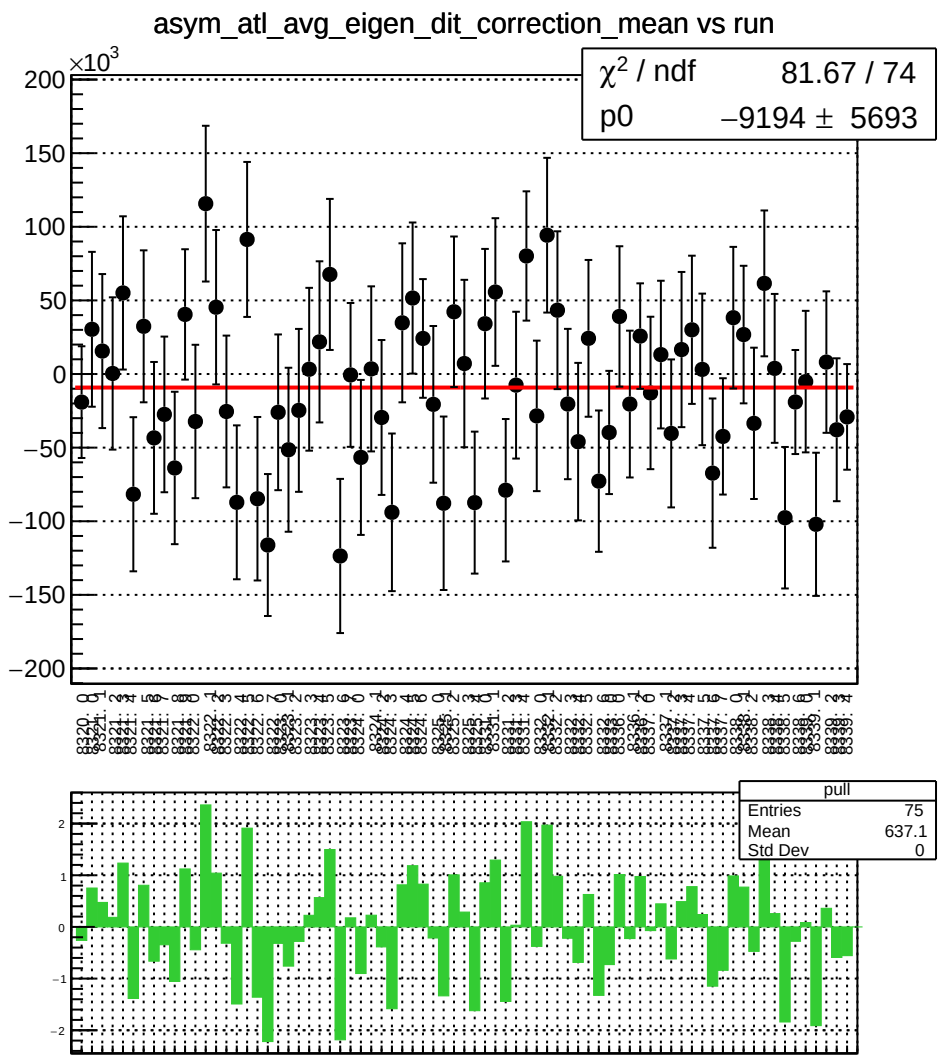

pull1D
Entries 75
Mean −0.001658
Std Dev 1.043

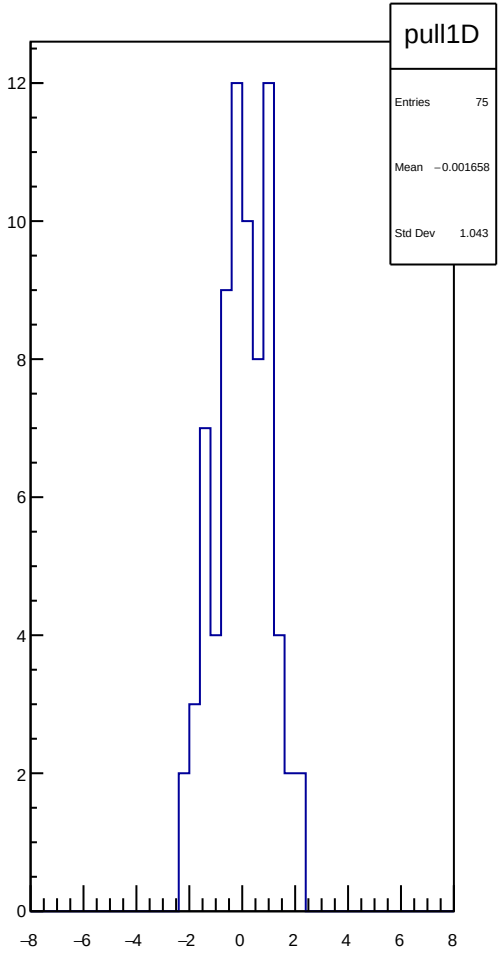

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 2720 / 74
p0 4893 ± 4.026
5600
5400
5200
5000
4800
4600
4400

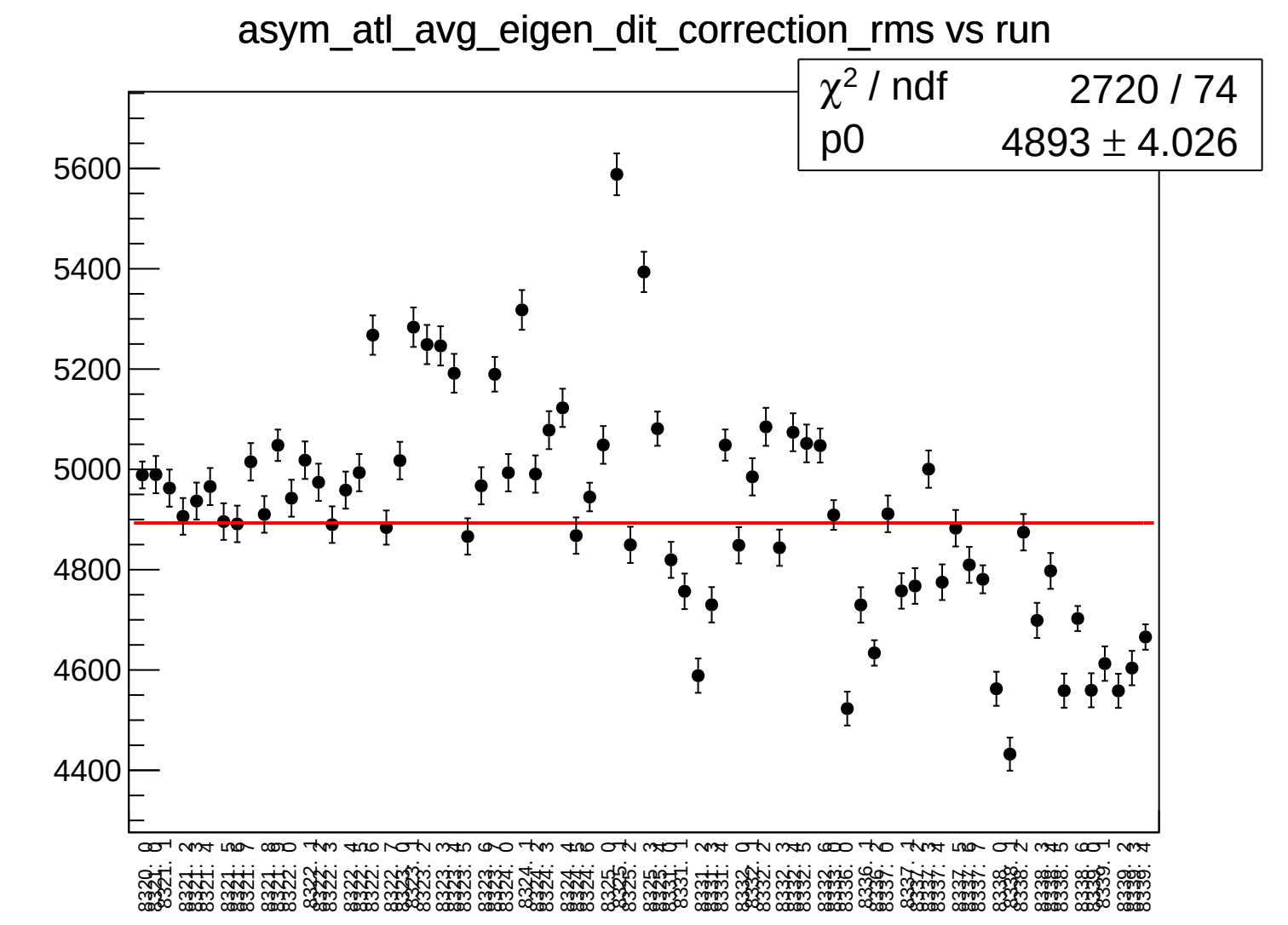

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 70.28 / 74
p0 −1451 ± 1898
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 849.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

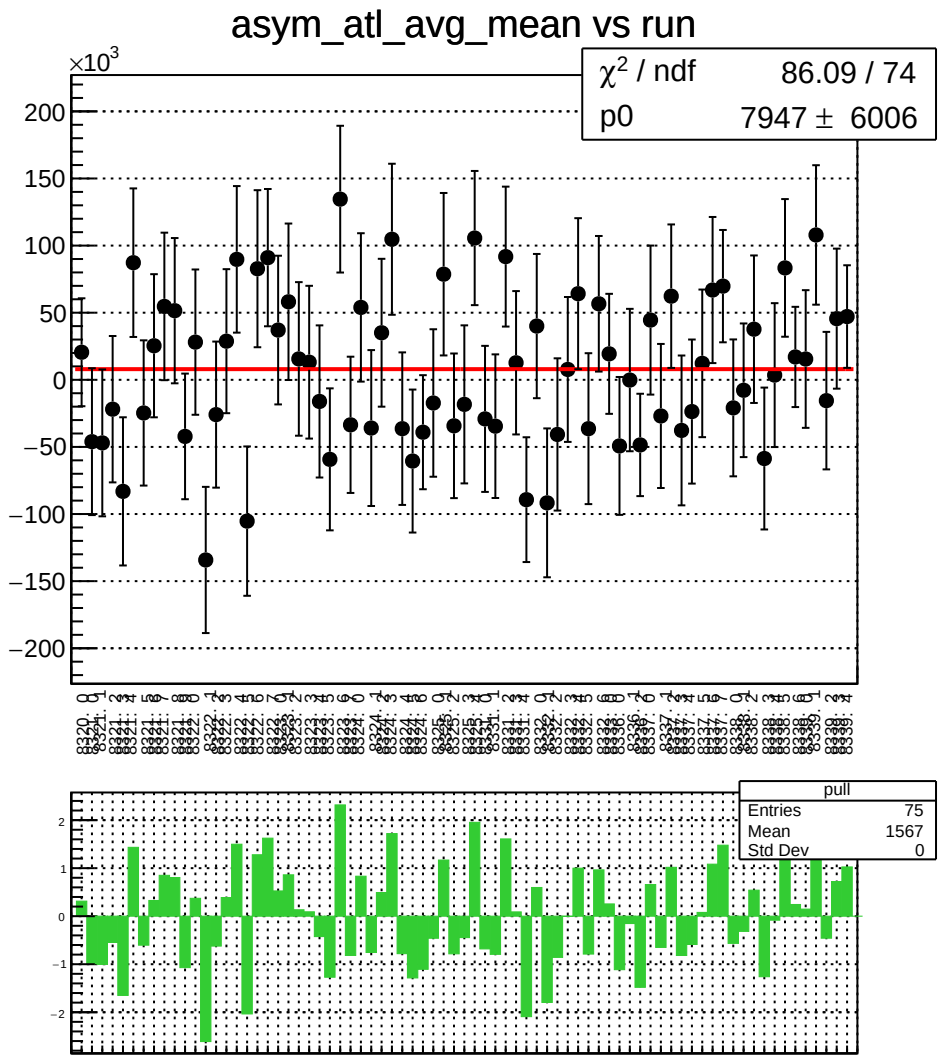

pull1D
Entries 75
Mean 0.006253
Std Dev 0.968
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

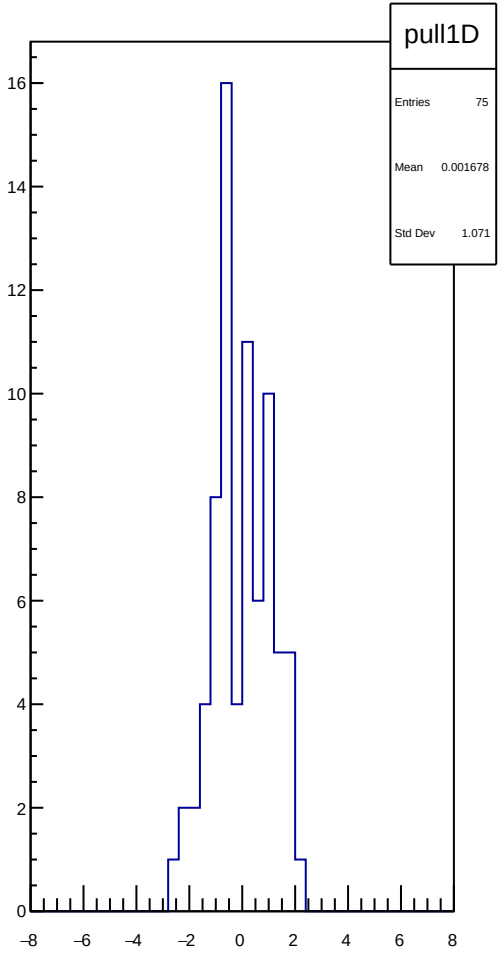

eigen_dit_asym_atl_avg_rms vs run
χ^2 / ndf 107.8 / 74
p0 1632 ± 1.342
1680
1660
1640
1620
1600
1580

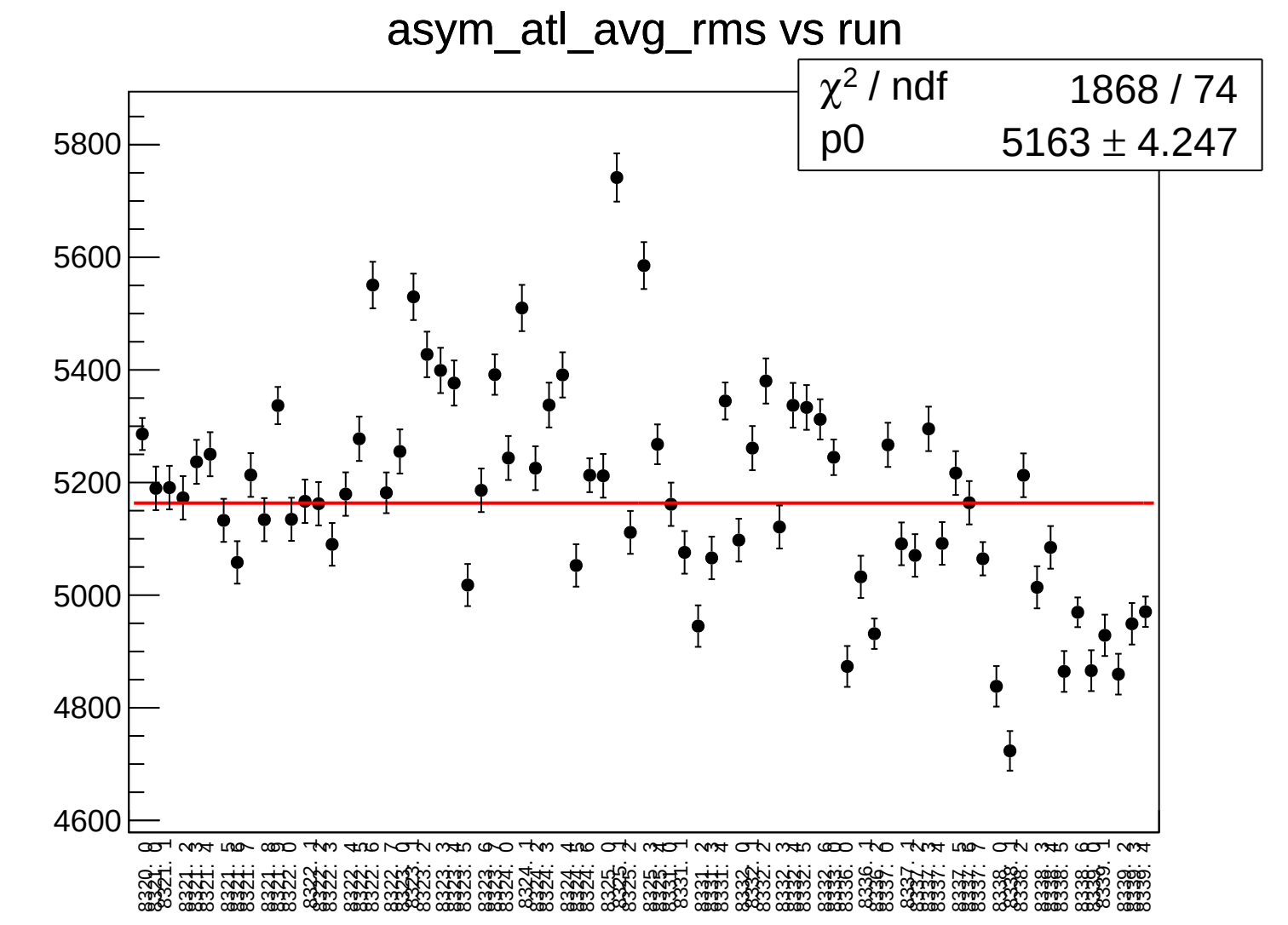

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.67 / 74
p0 −9194 ± 5693
pull
Entries 75
Mean 637.1
Std Dev 0

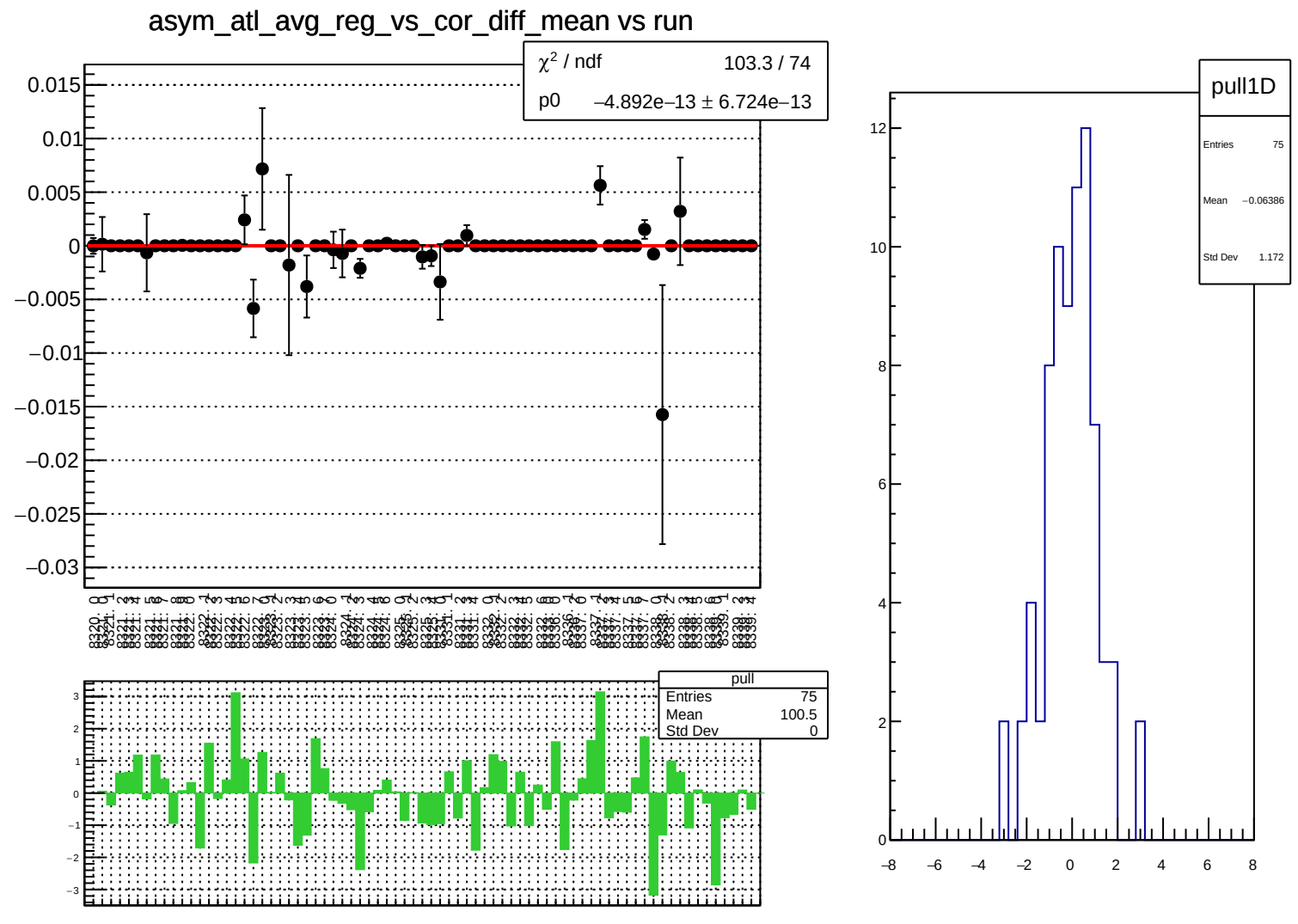

pull1D
Entries 75
Mean −0.001658
Std Dev 1.043

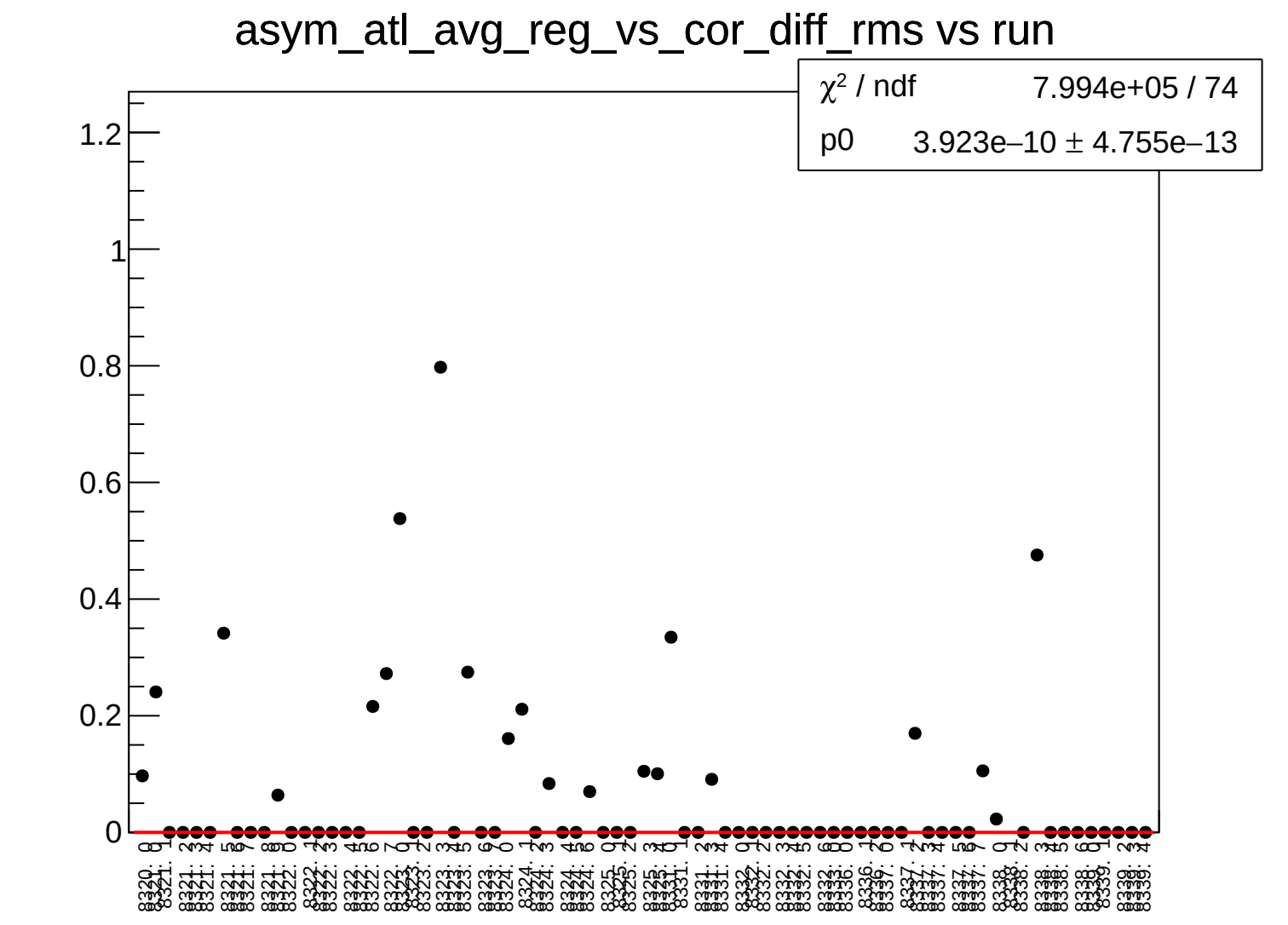

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 2720 / 74
p0 4893 ± 4.026
5600
5400
5200
5000
4800
4600
4400

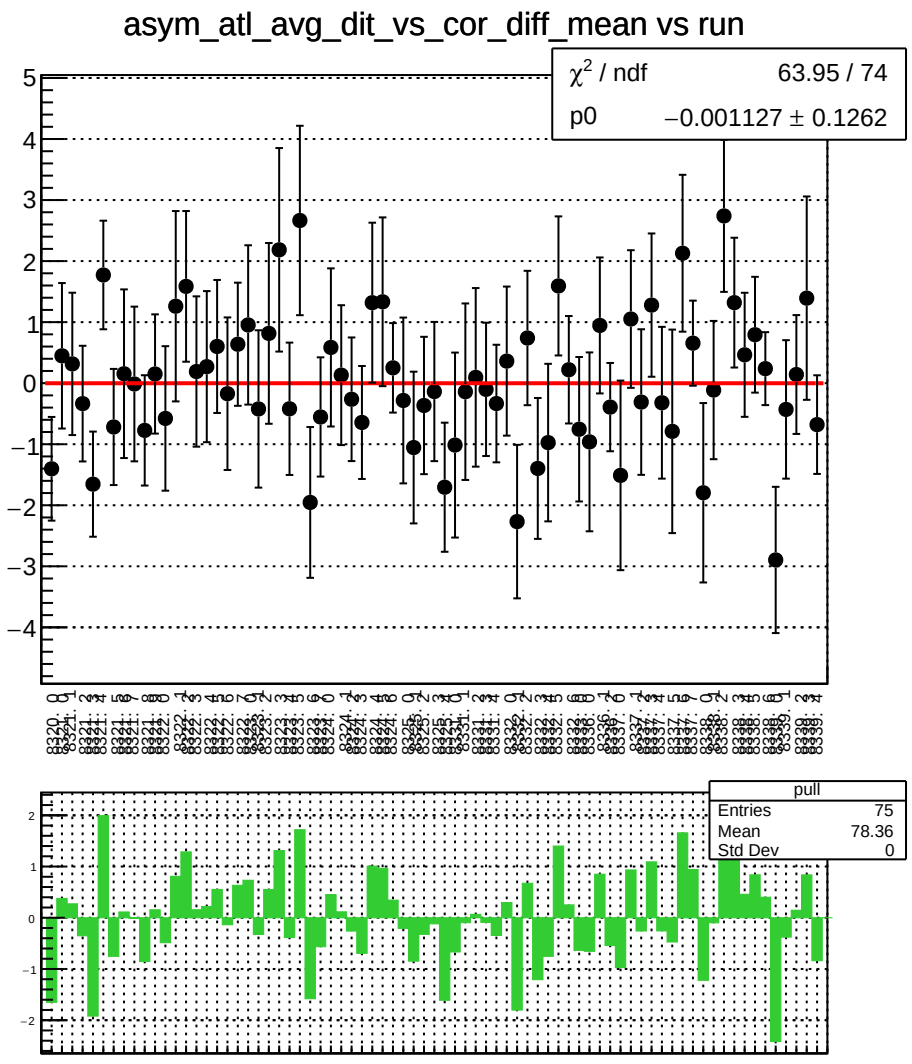

asym_atl_avg_mean vs run
×10^3
χ² / ndf 86.09 / 74
p0 7947 ± 6006
pull
Entries 75
Mean 1567
Std Dev 0

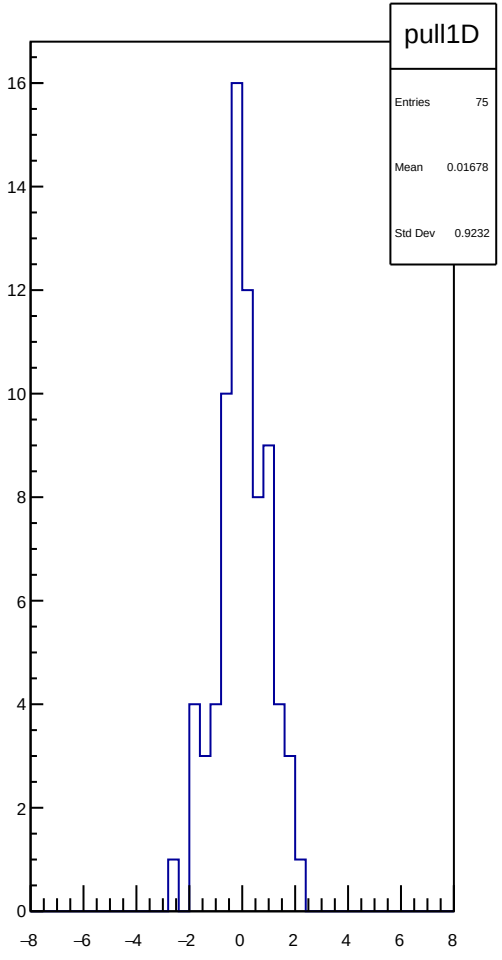

pull1D
Entries 75
Mean 0.001678
Std Dev 1.071

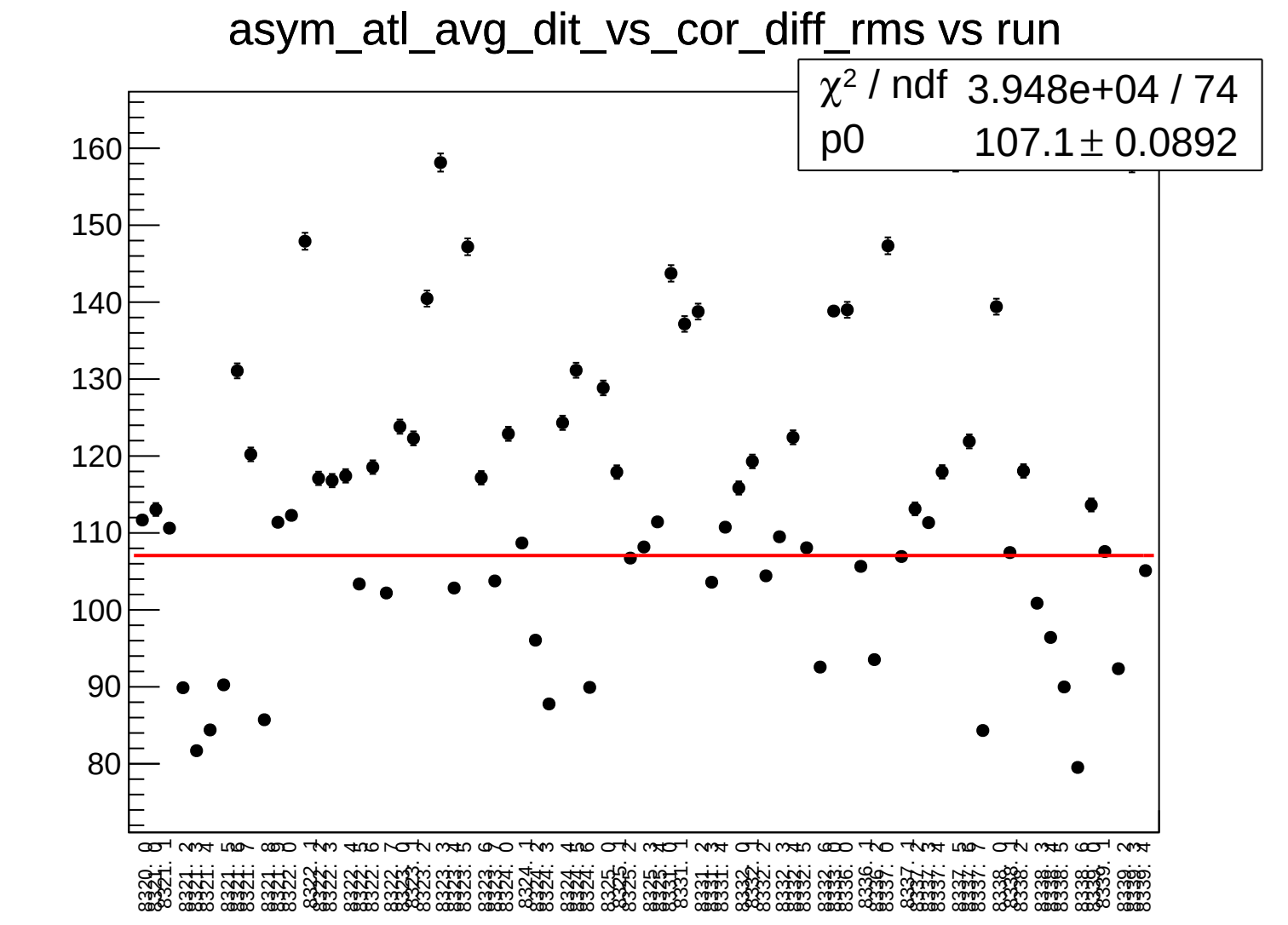

asym_atl_avg_rms vs run
χ^2 / ndf 1868 / 74
p0 5163 ± 4.247
5800
5600
5400
5200
5000
4800
4600


asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 103.3 / 74
p0 −4.892e−13 ± 6.724e−13
pull
Entries 75
Mean 100.5
Std Dev 0
pull1D
Entries 75
Mean −0.06386
Std Dev 1.172

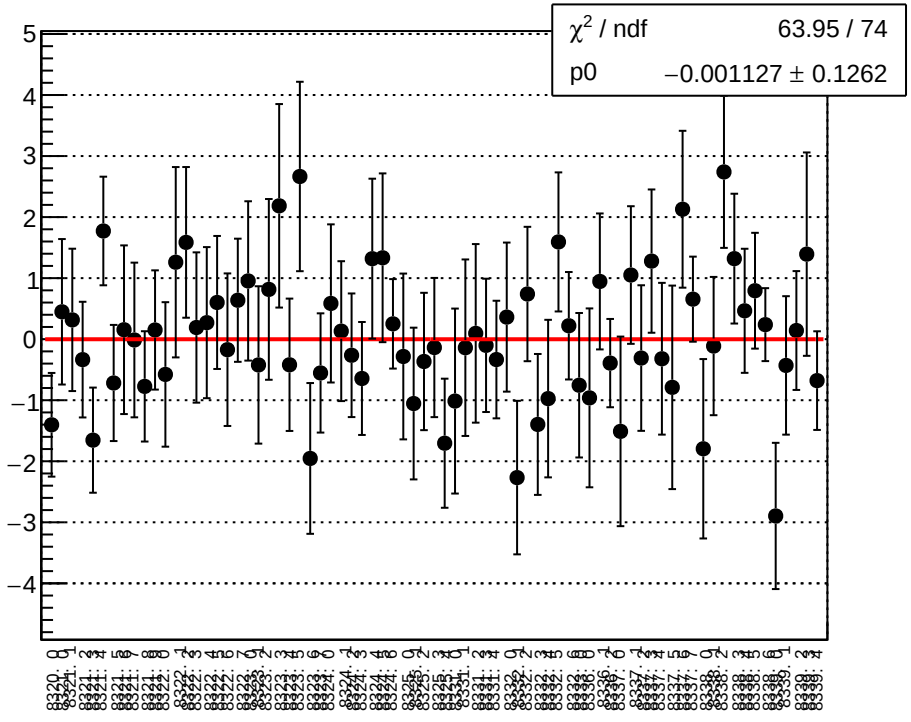

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.994e+05 / 74
p0 3.923e−10 ± 4.755e−13
1.2
1
0.8
0.6
0.4
0.2
0

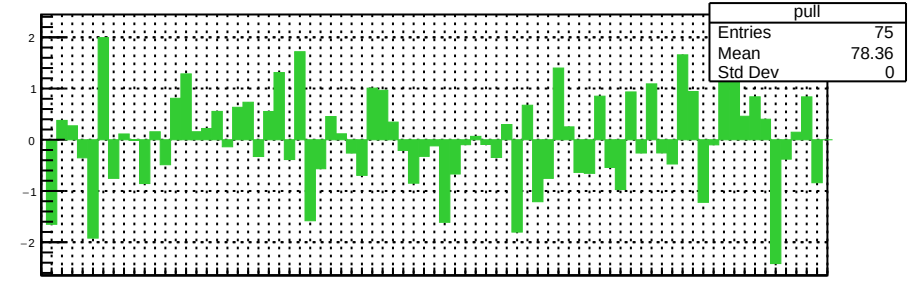

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.95 / 74
p0 −0.001127 ± 0.1262
pull
Entries 75
Mean 78.36
Std Dev 0

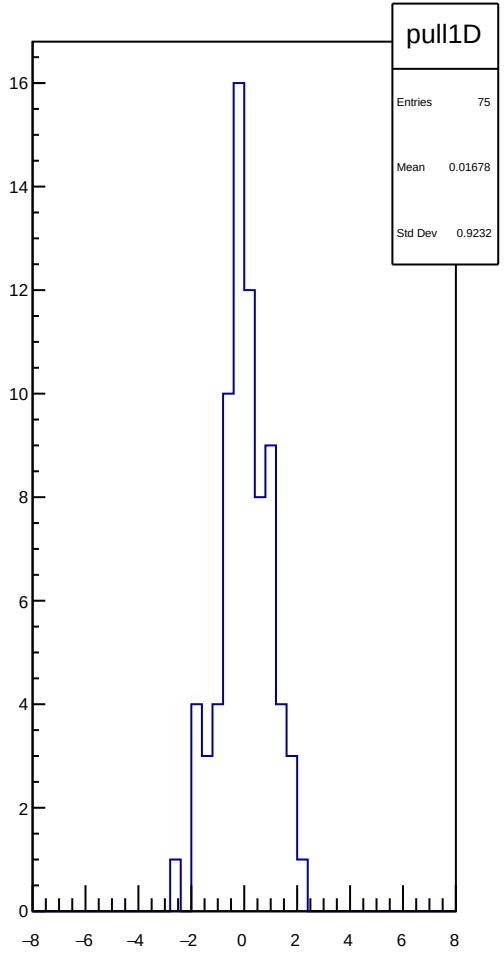

pull1D
Entries 75
Mean 0.01678
Std Dev 0.9232

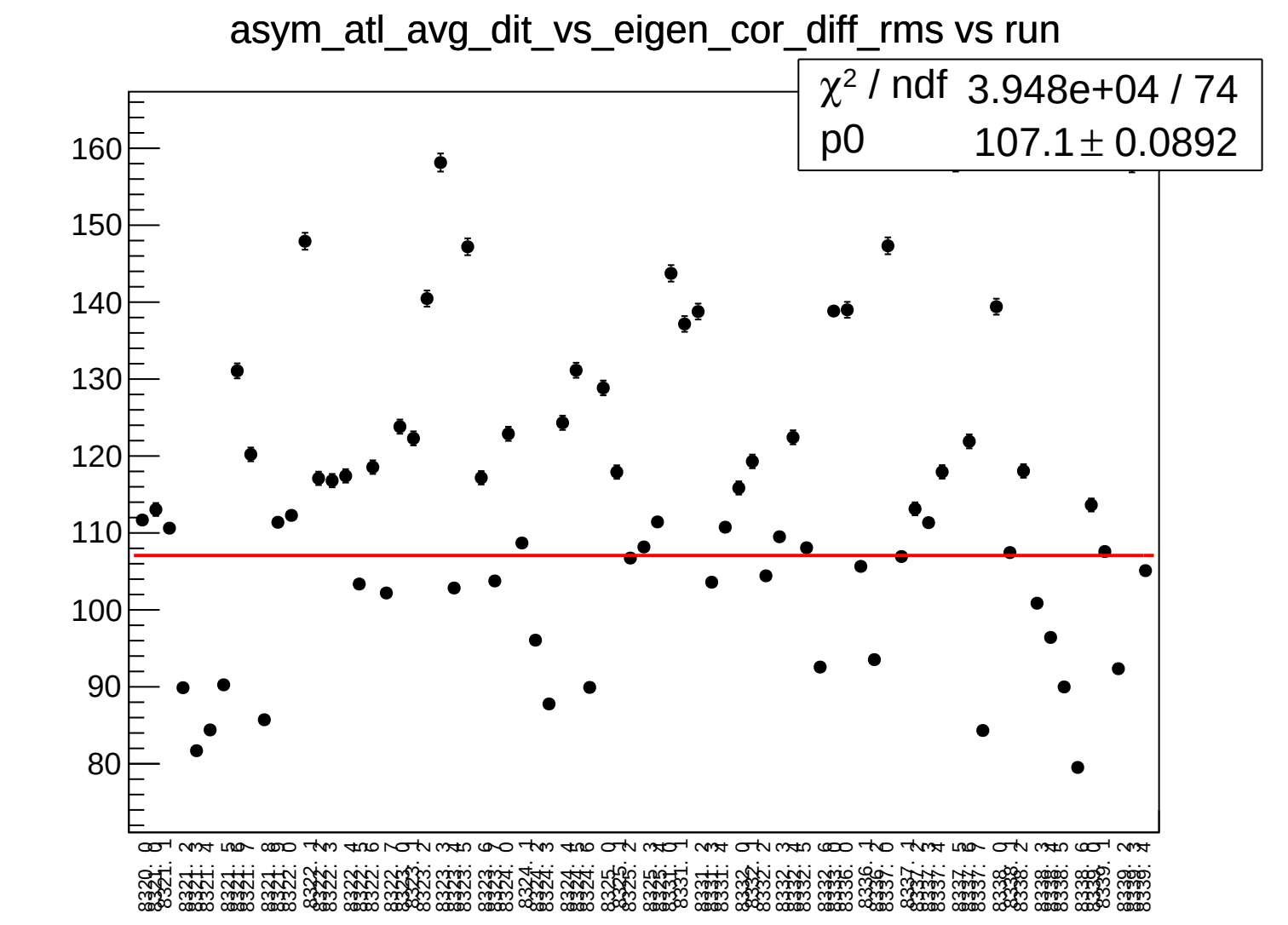

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.948e+04 / 74
p0 107.1 ± 0.0892
160
150
140
130
120
110
100
90
80

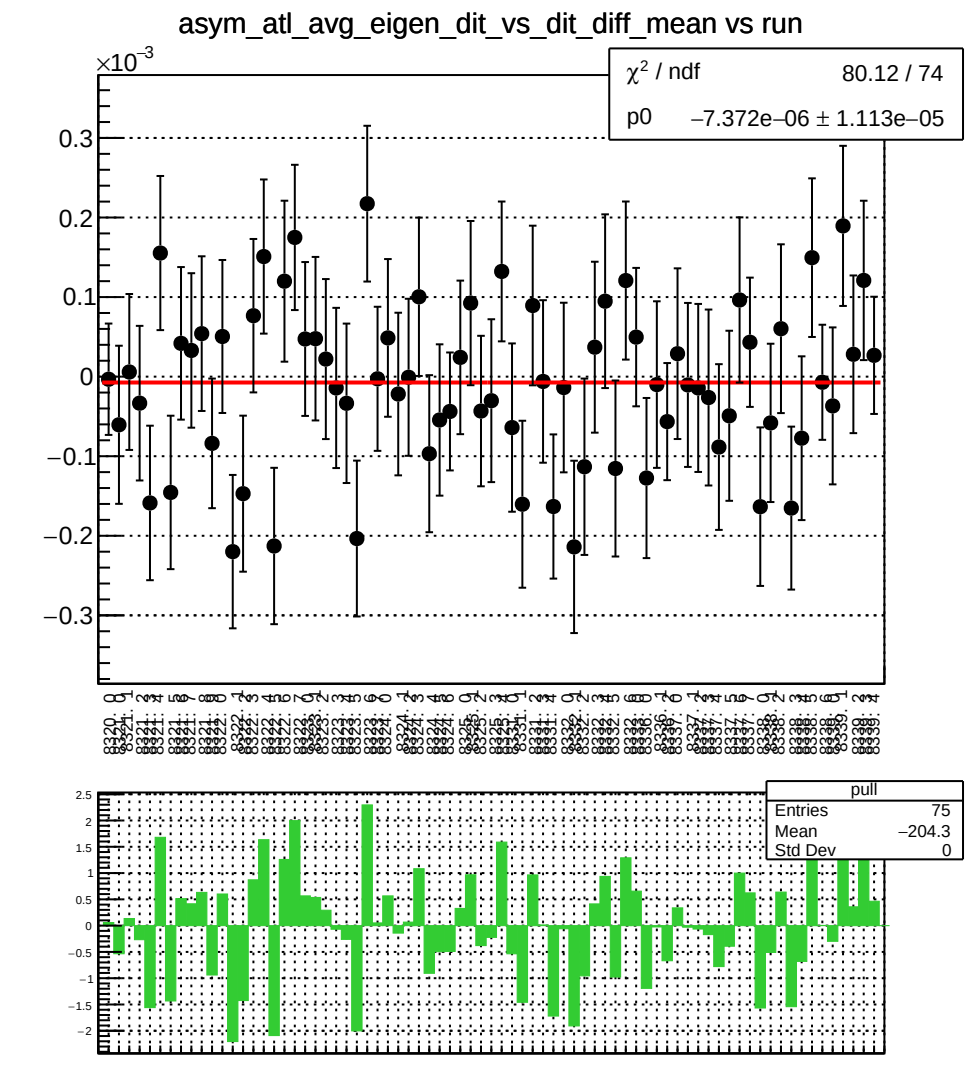
asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run

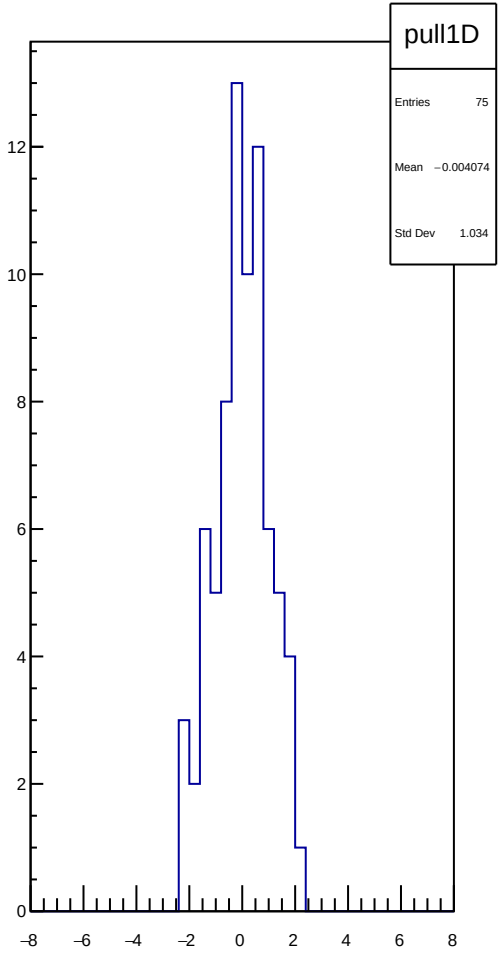


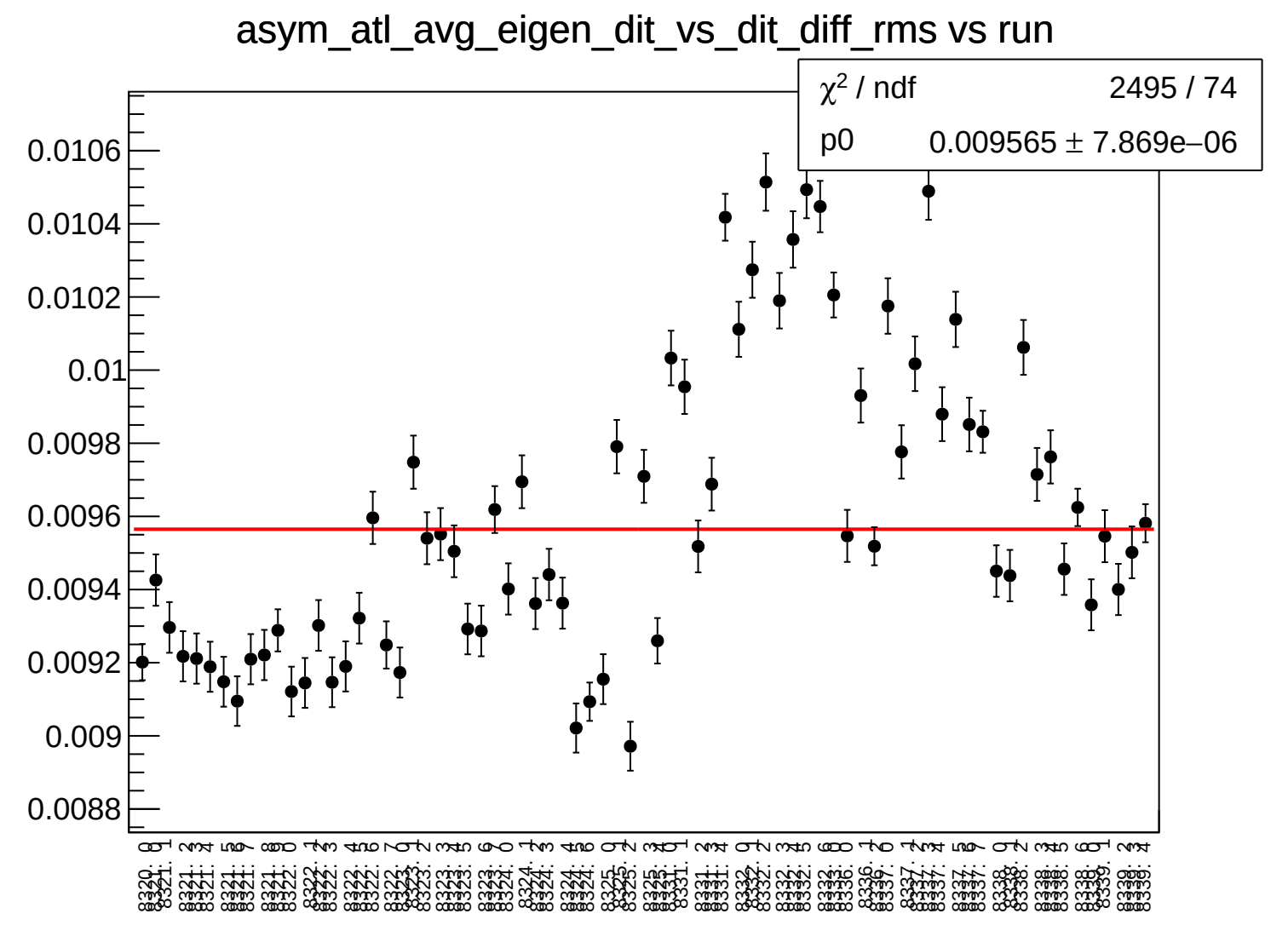


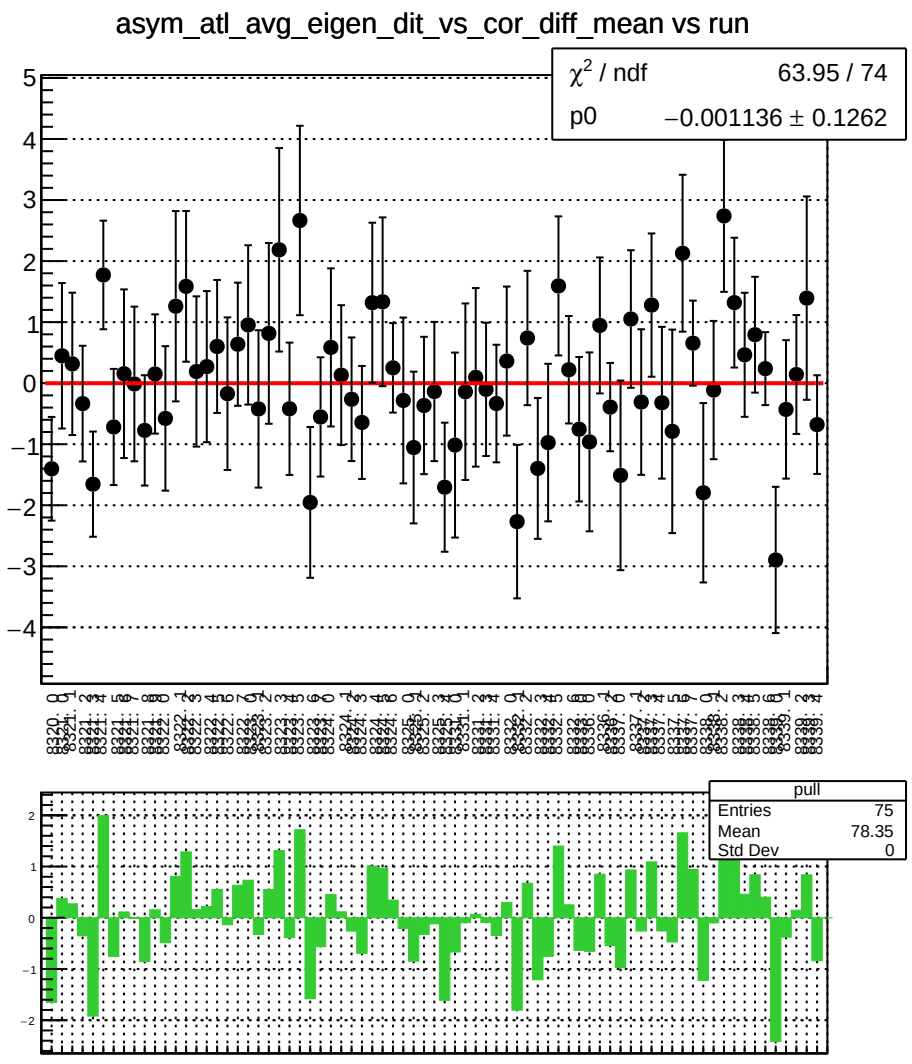


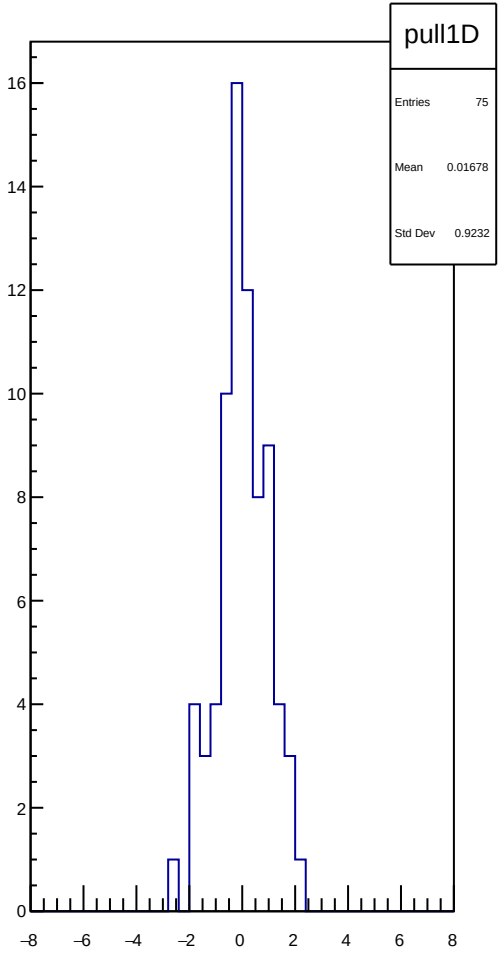

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.948e+04 / 74
p0 107.1 ± 0.0892
160
150
140
130
120
110
100
90
80

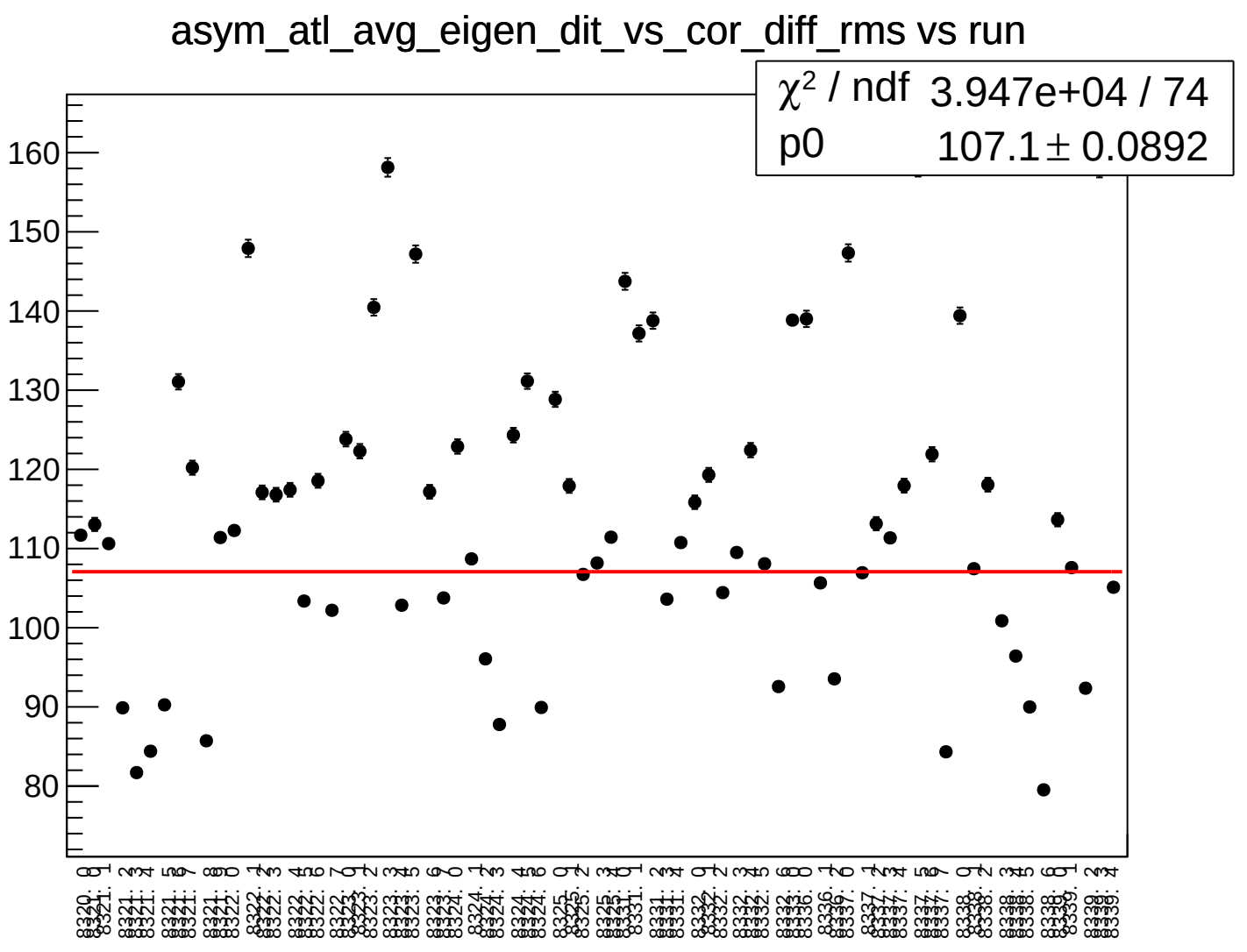

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.12 / 74
p0 −7.372e−06 ± 1.113e−05
pull
Entries 75
Mean −204.3
Std Dev 0

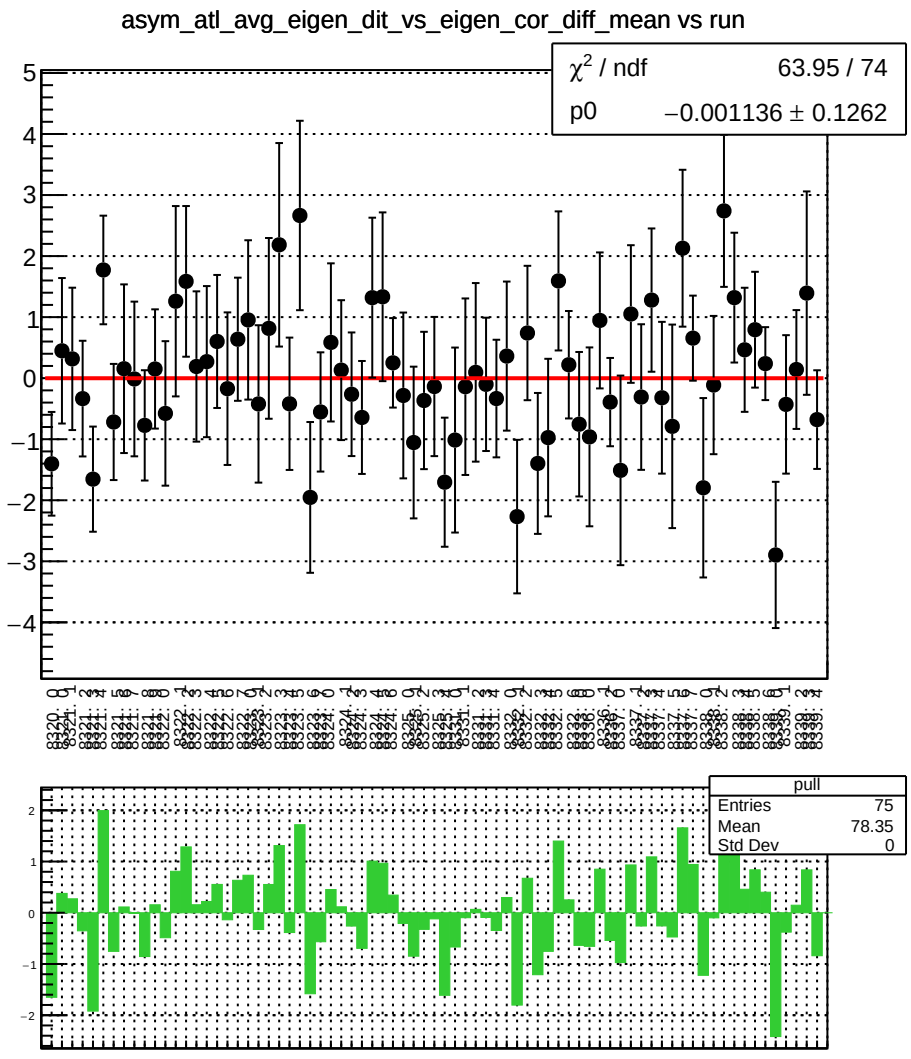

pull1D
Entries 75
Mean −0.004074
Std Dev 1.034

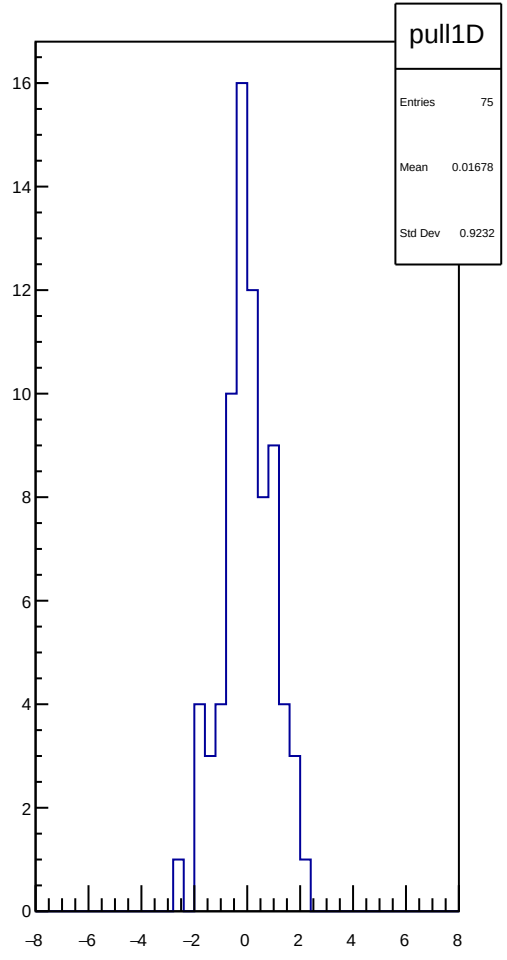

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2495 / 74
p0 0.009565 ± 7.869e−06
0.0106
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092
0.009
0.0088

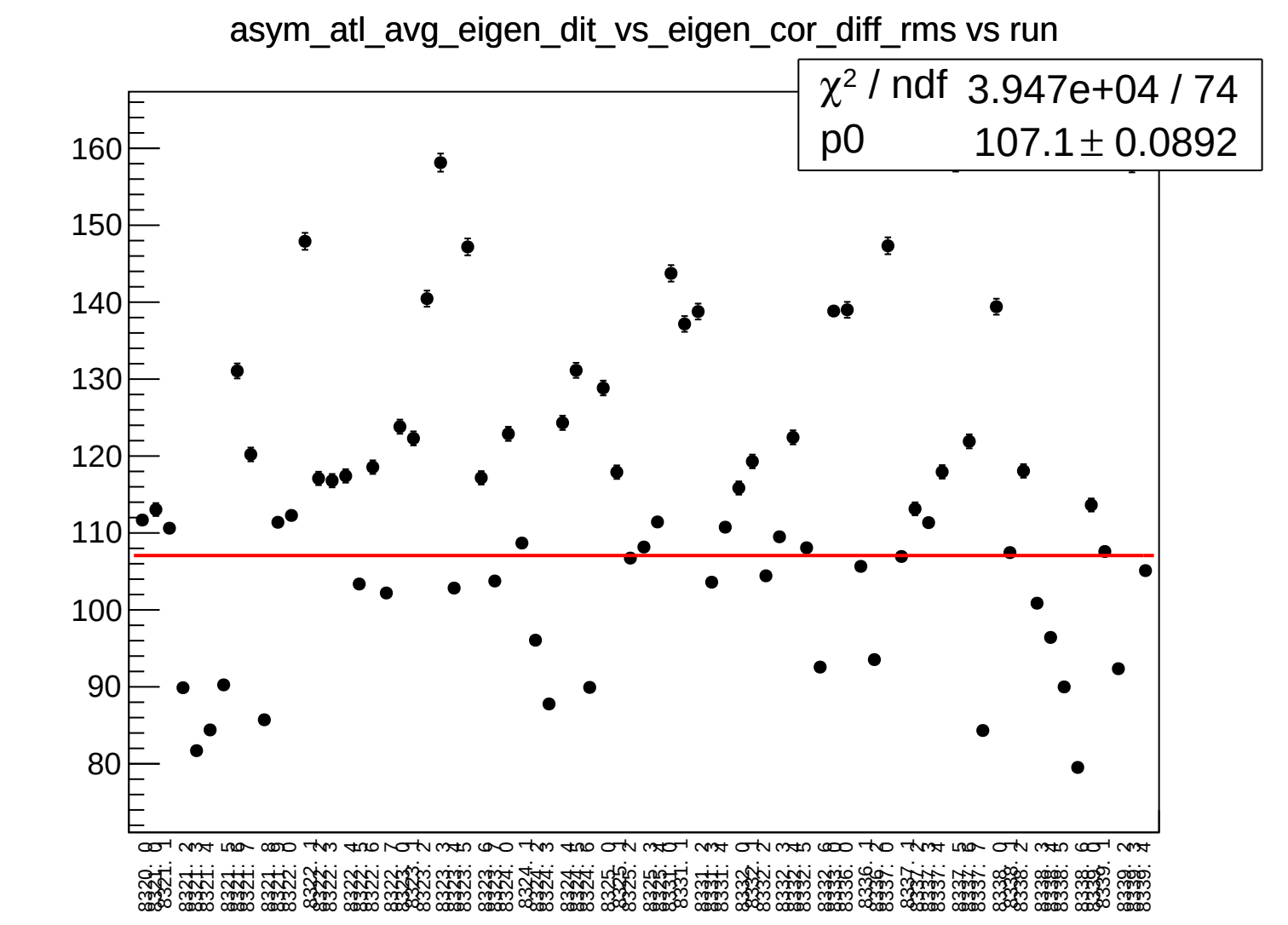

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.95 / 74
p0 −0.001136 ± 0.1262
pull
Entries 75
Mean 78.35
Std Dev 0

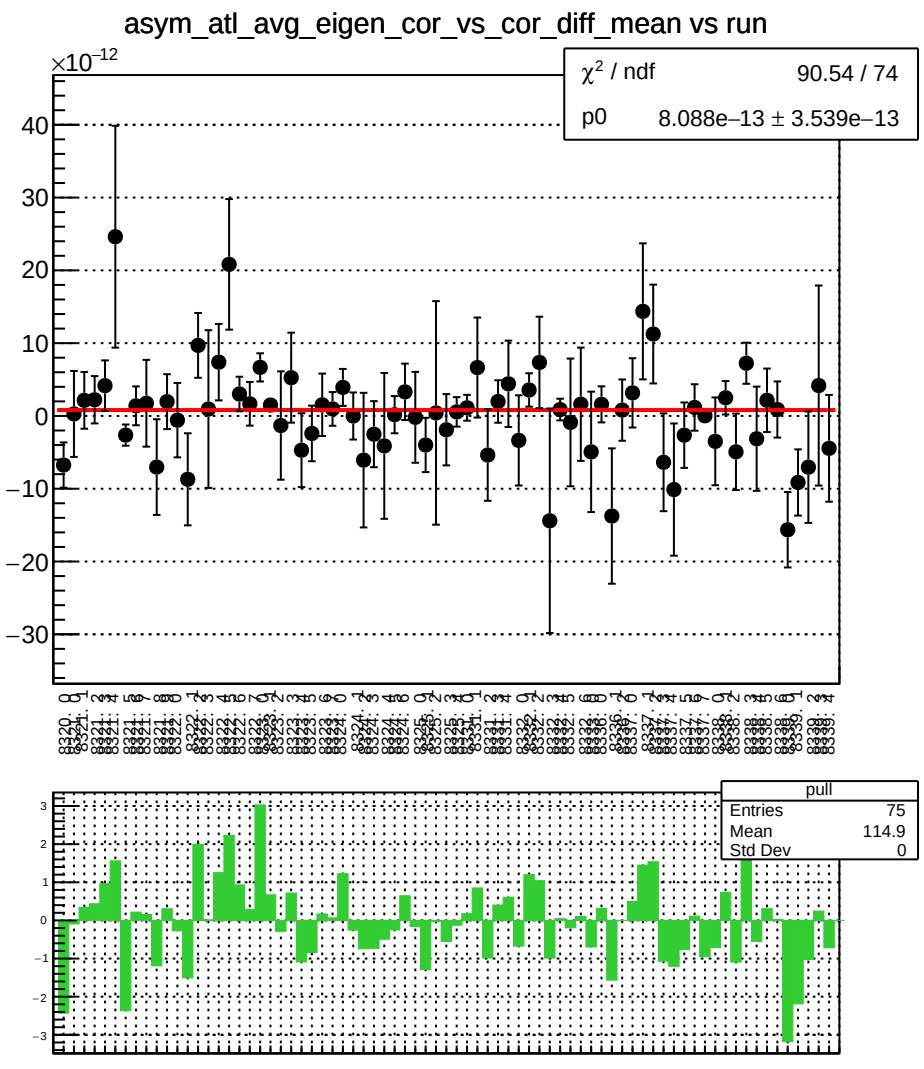

pull1D
Entries 75
Mean 0.01678
Std Dev 0.9232

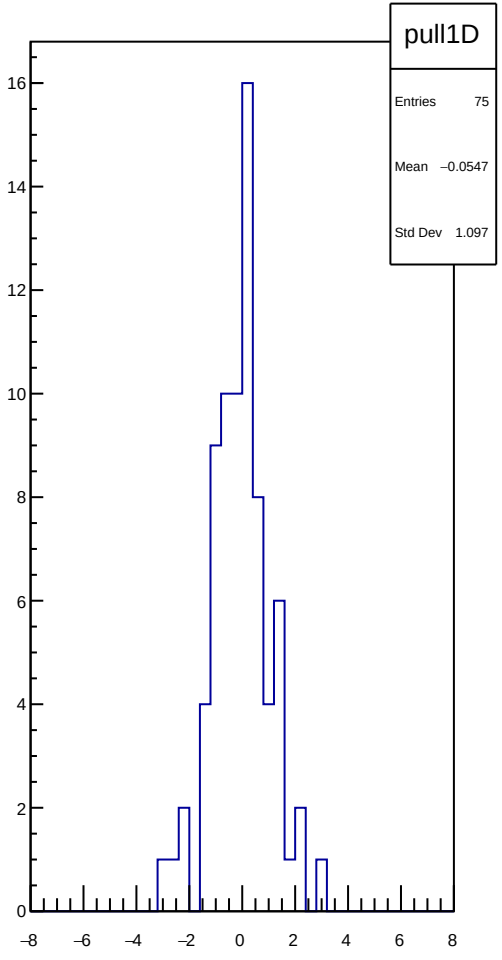

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.947e+04 / 74
p0 107.1 ± 0.0892
160
150
140
130
120
110
100
90
80

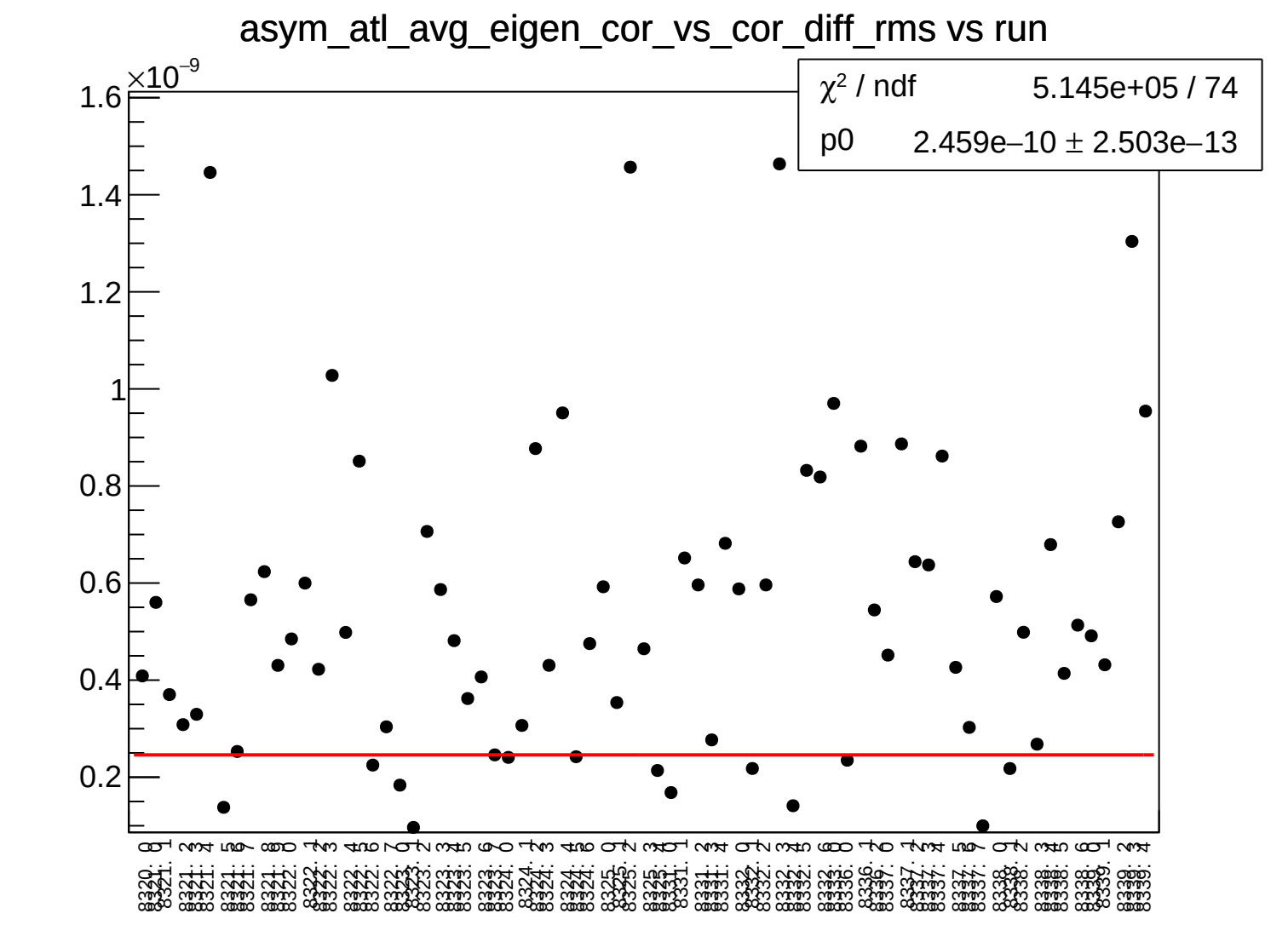

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.95 / 74
p0 −0.001136 ± 0.1262
pull
Entries 75
Mean 78.35
Std Dev 0

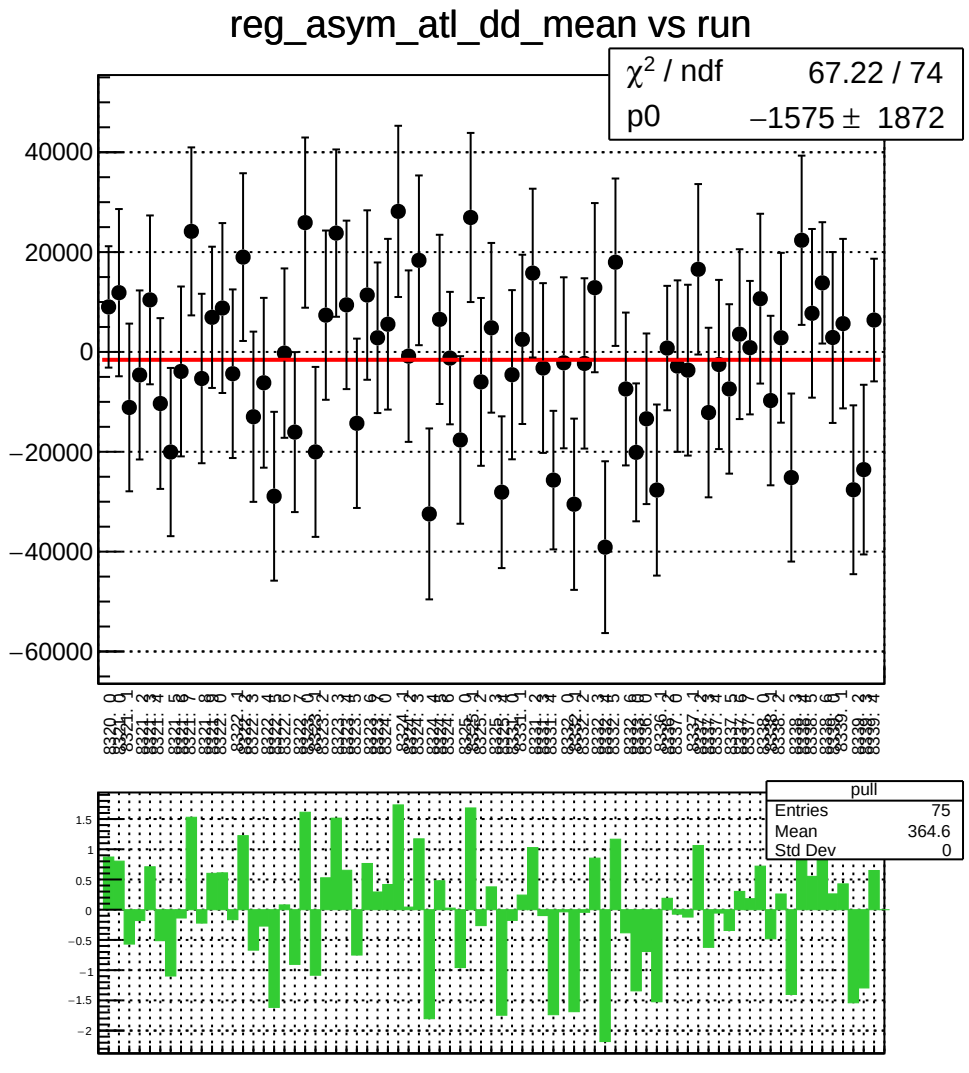

pull1D
Entries 75
Mean 0.01678
Std Dev 0.9232

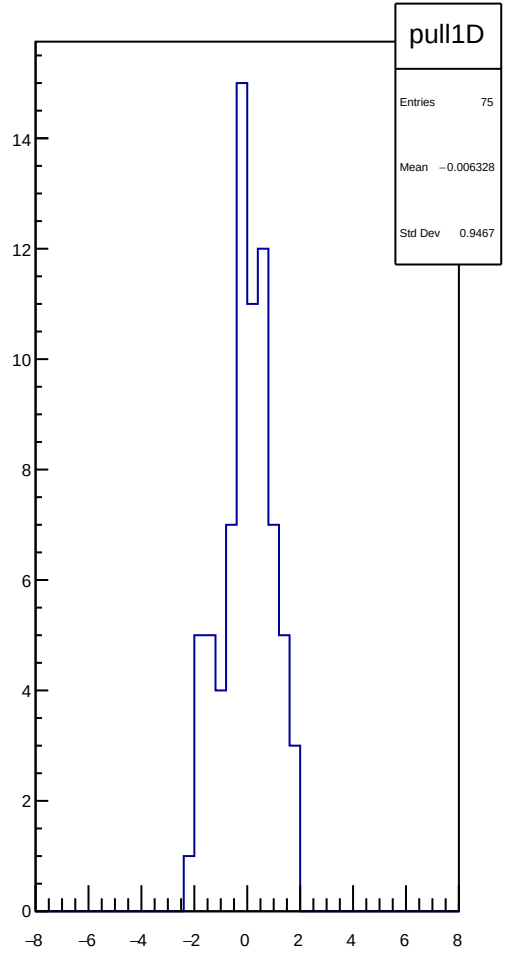

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.947e+04 / 74
p0 107.1 ± 0.0892
160
150
140
130
120
110
100
90
80

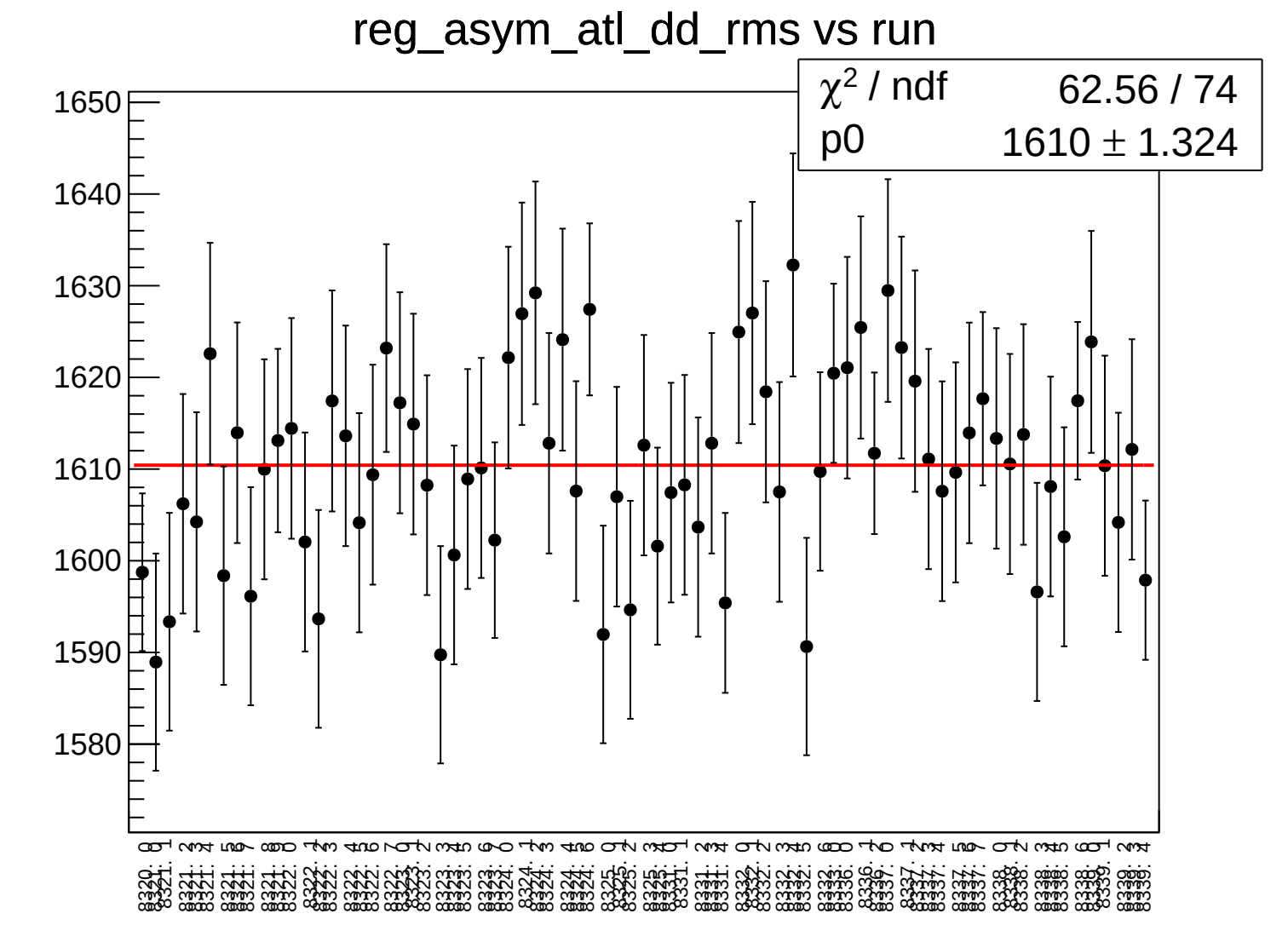

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 90.54 / 74
p0 8.088e−13 ± 3.539e−13
pull
Entries 75
Mean 114.9
Std Dev 0

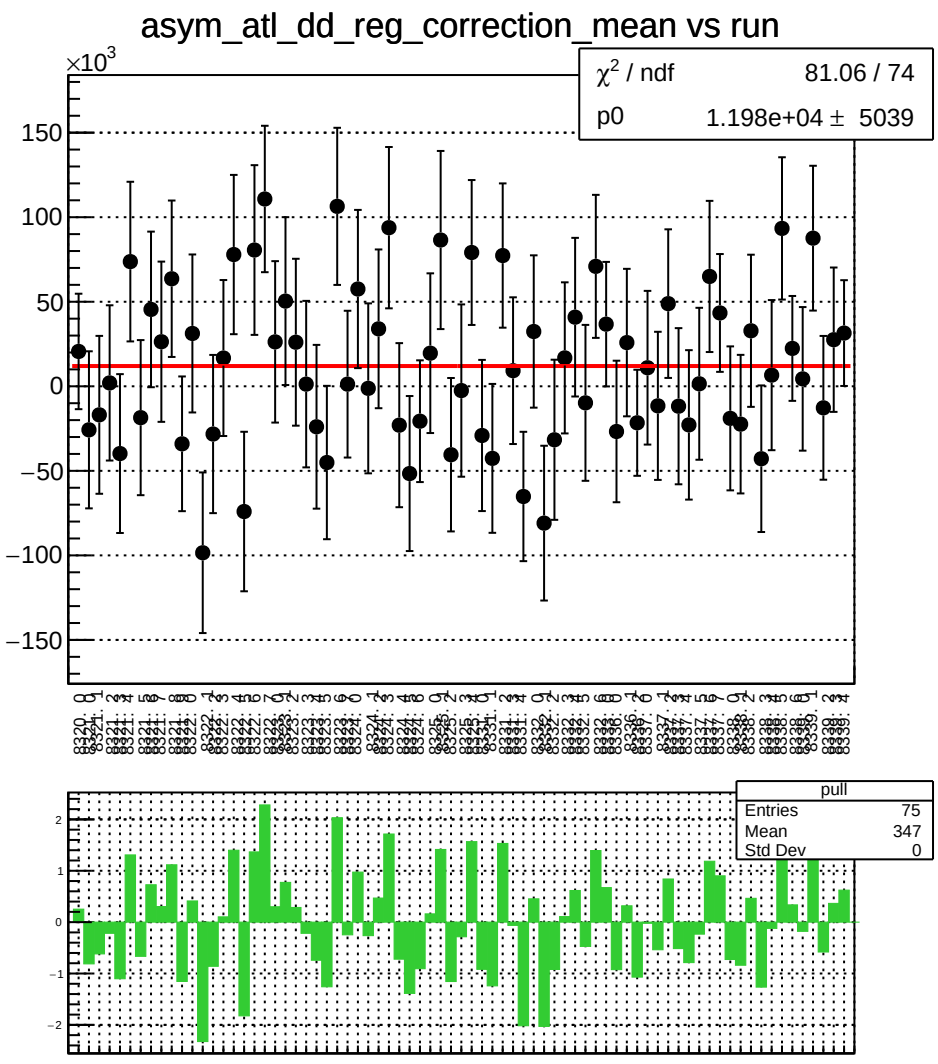

pull1D
Entries 75
Mean −0.0547
Std Dev 1.097

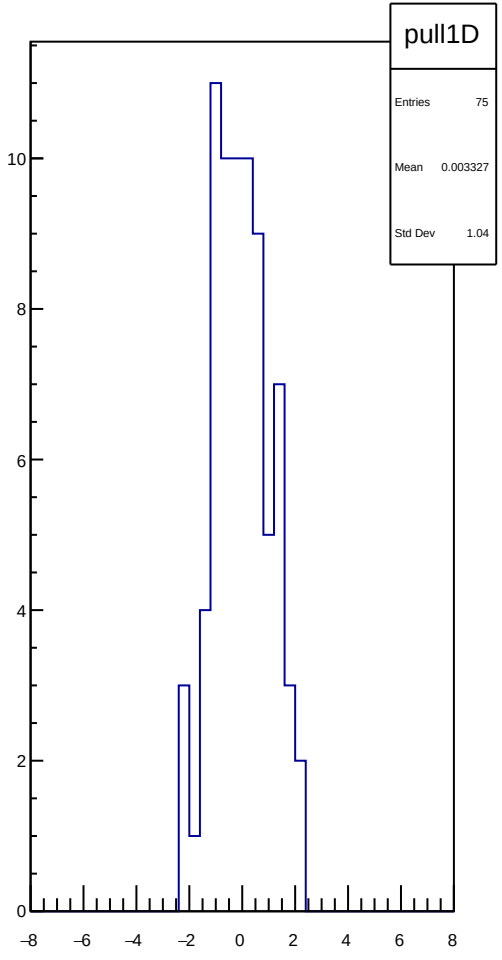

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.145e+05 / 74
p0 2.459e−10 ± 2.503e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

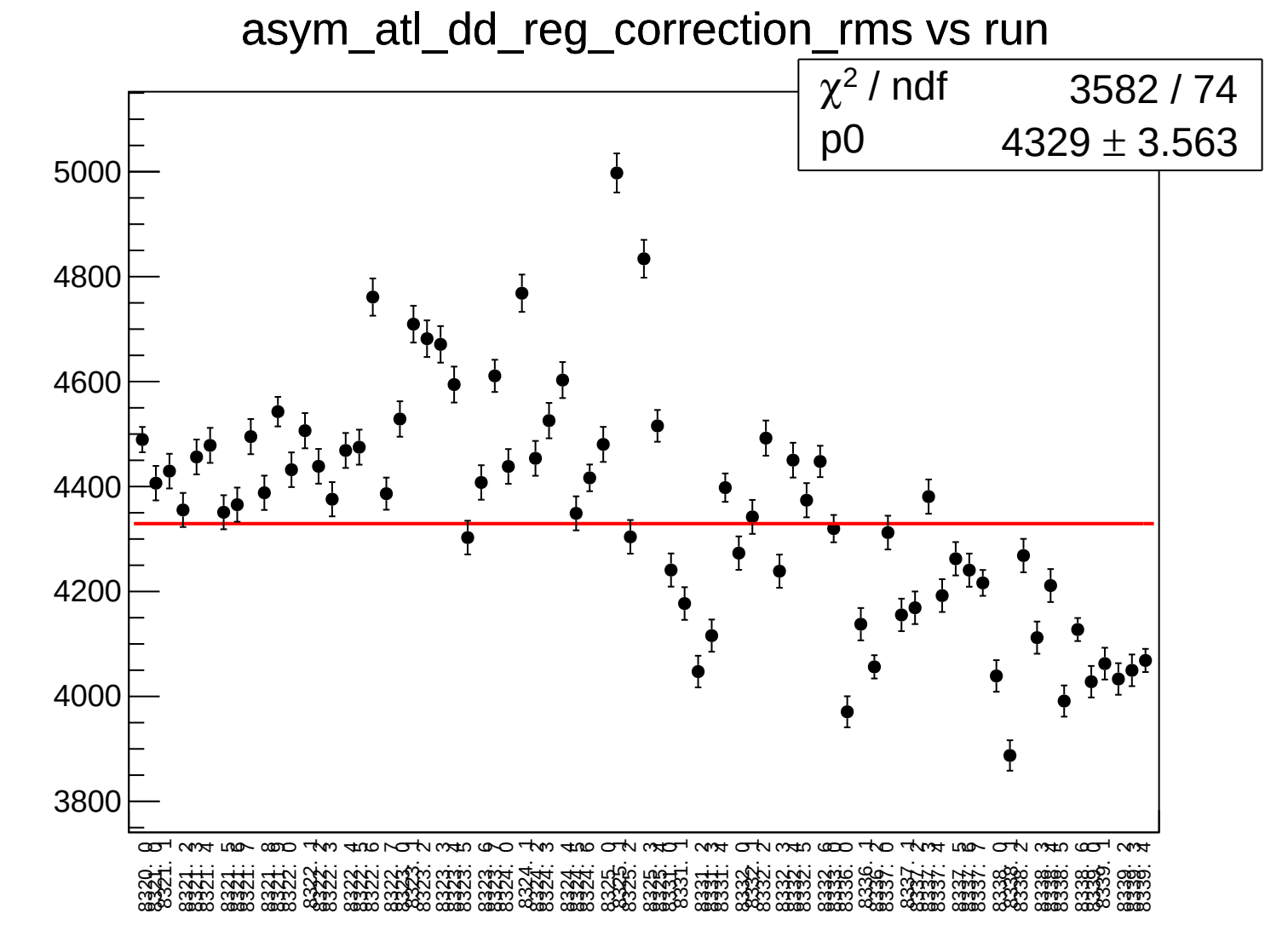

reg_asym_atl_dd_mean vs run
χ² / ndf 67.22 / 74
p0 −1575 ± 1872
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 364.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

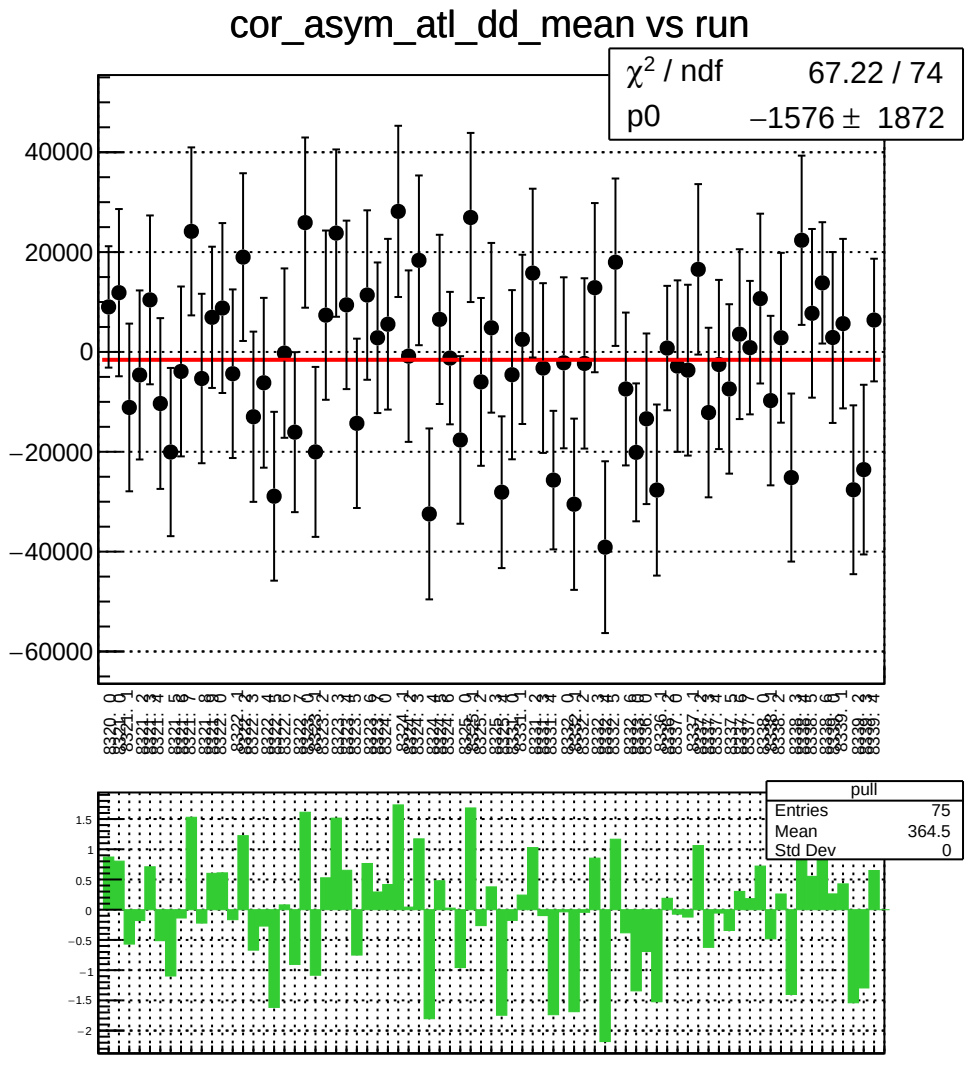

pull1D
Entries 75
Mean −0.006328
Std Dev 0.9467
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

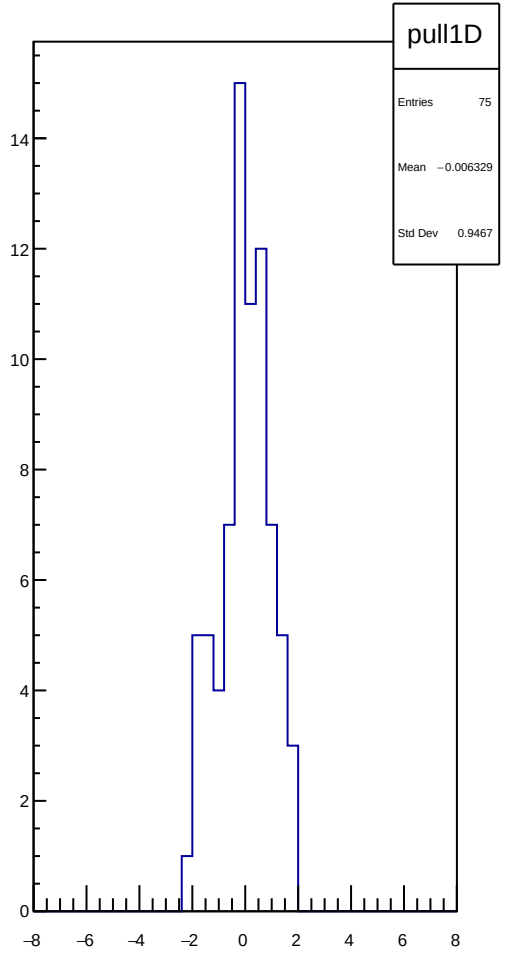

reg_asym_atl_dd_rms vs run
χ² / ndf 62.56 / 74
p0 1610 ± 1.324
1650
1640
1630
1620
1610
1600
1590
1580

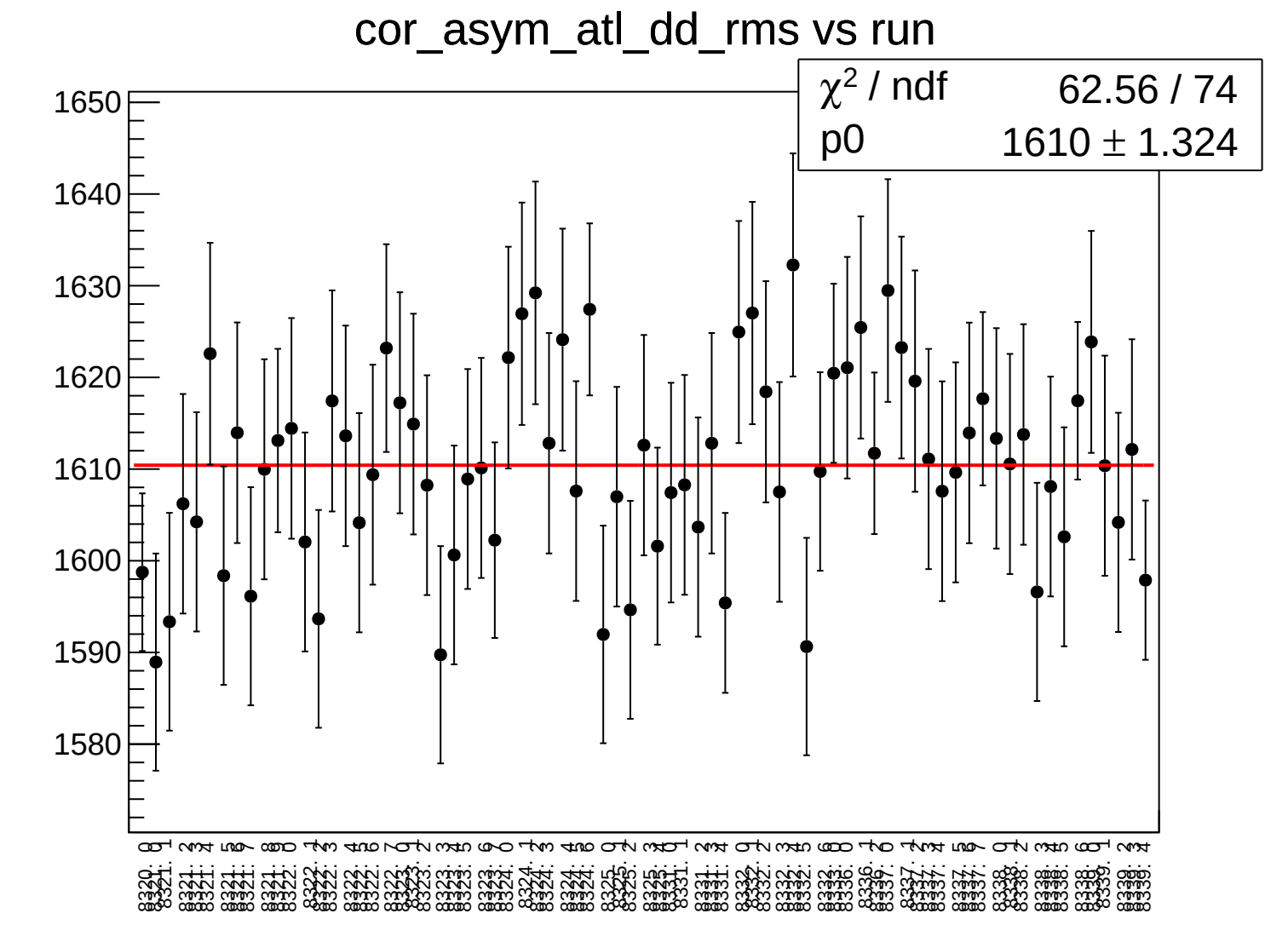

asym_atl_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.06 / 74
p0 1.198e+04 ± 5039
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 347
Std Dev 0
2
1
0
−1
−2

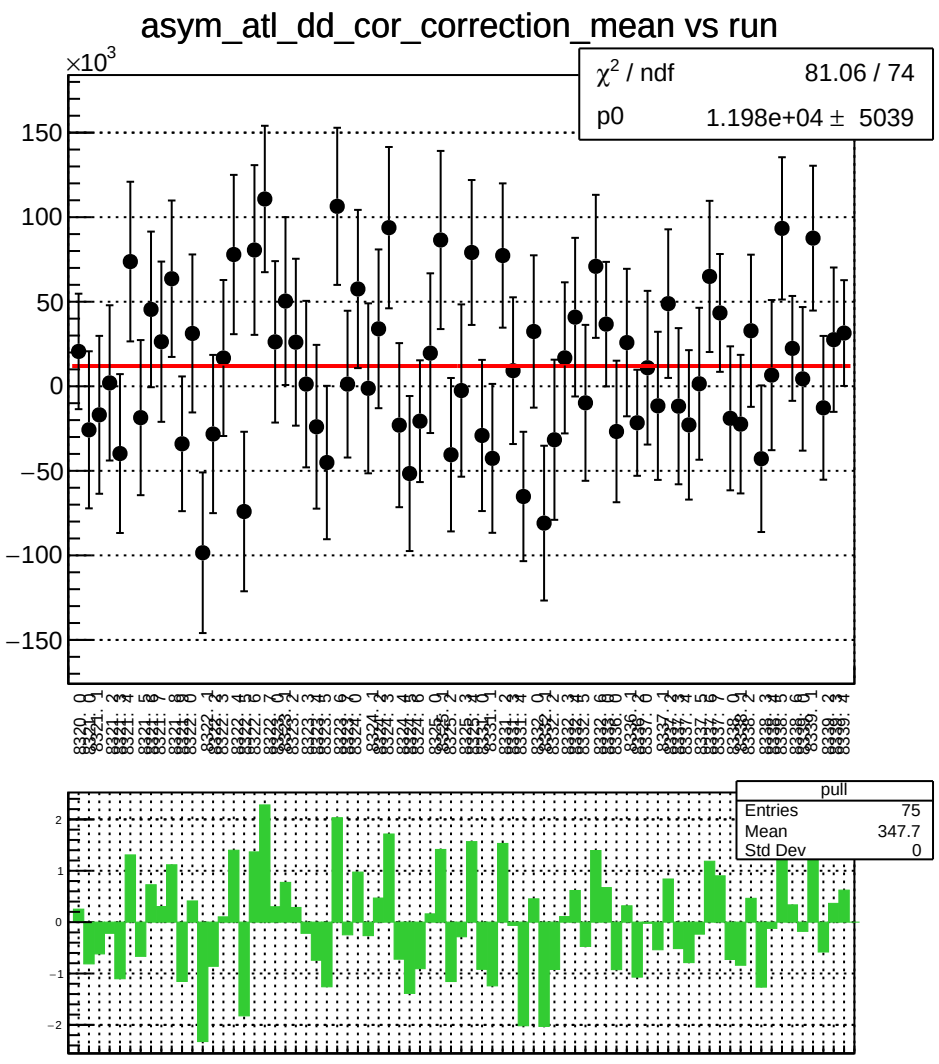

pull1D
Entries 75
Mean 0.003327
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

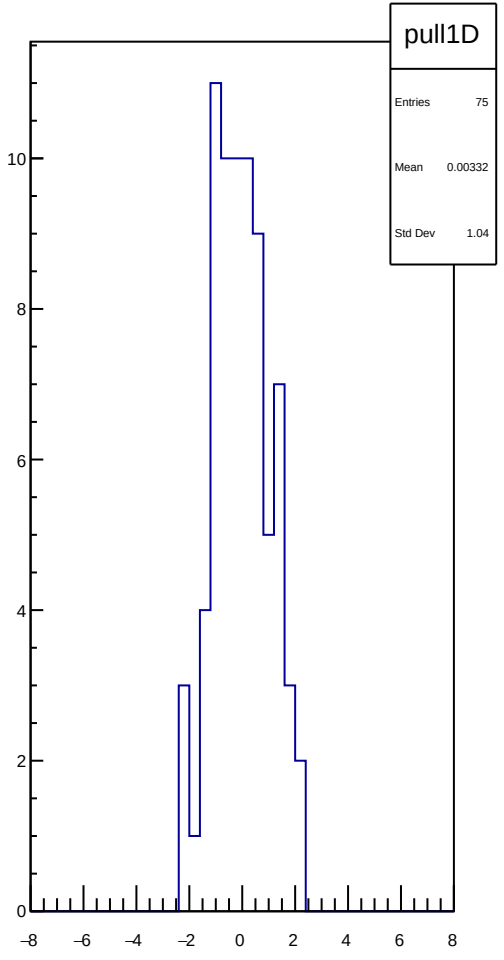

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 3582 / 74
p0 4329 ± 3.563
5000
4800
4600
4400
4200
4000
3800

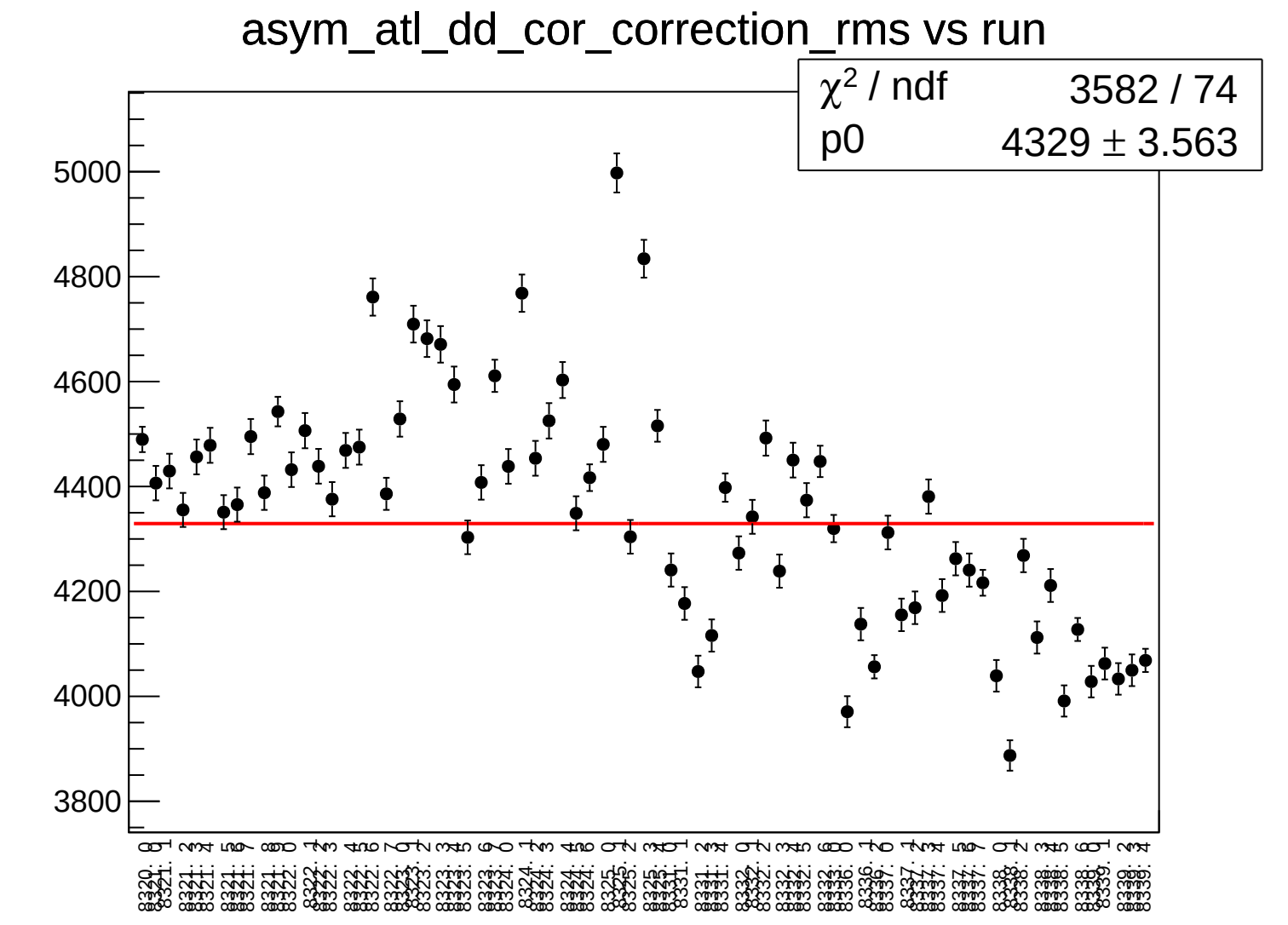

cor_asym_atl_dd_mean vs run
χ² / ndf 67.22 / 74
p0 −1576 ± 1872
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 364.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

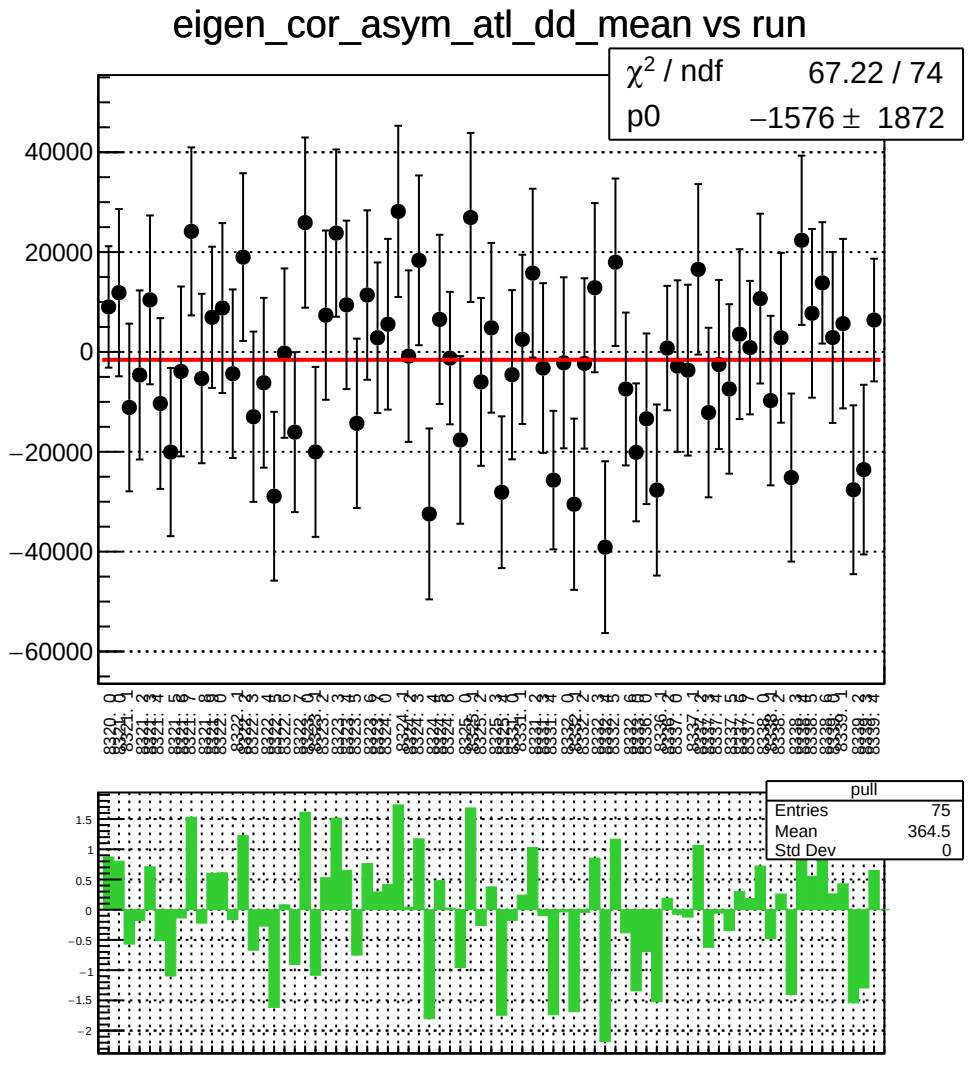

pull1D
Entries 75
Mean −0.006329
Std Dev 0.9467
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

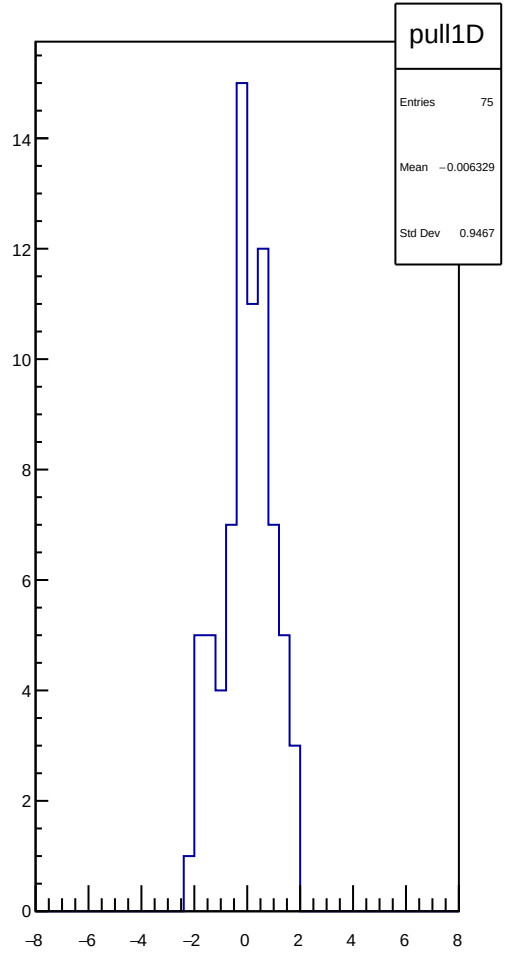

cor_asym_atl_dd_rms vs run
χ² / ndf 62.56 / 74
p0 1610 ± 1.324
1650
1640
1630
1620
1610
1600
1590
1580

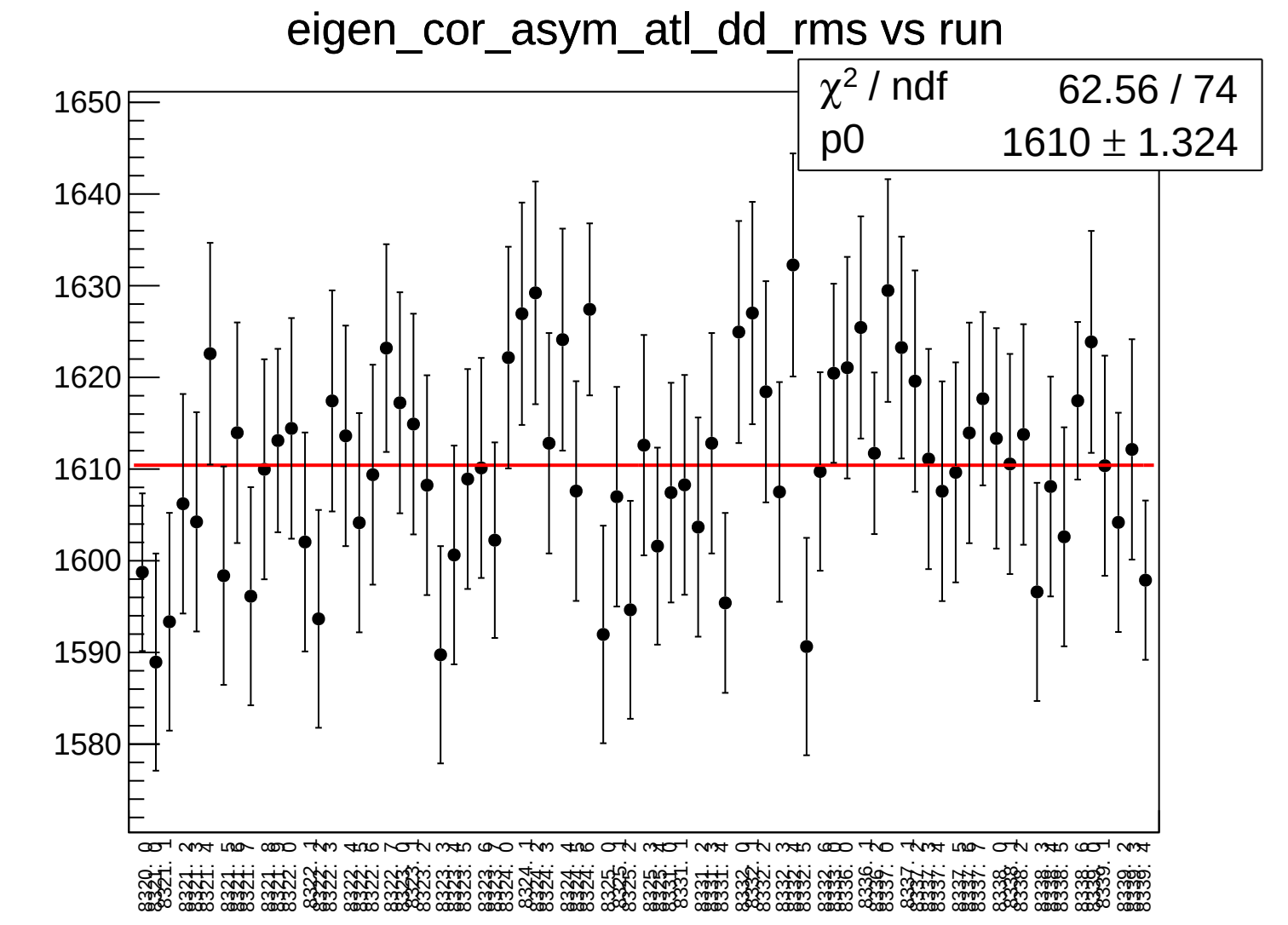

asym_atl_dd_cor_correction_mean vs run
χ² / ndf 81.06 / 74
p0 1.198e+04 ± 5039
pull
Entries 75
Mean 347.7
Std Dev 0

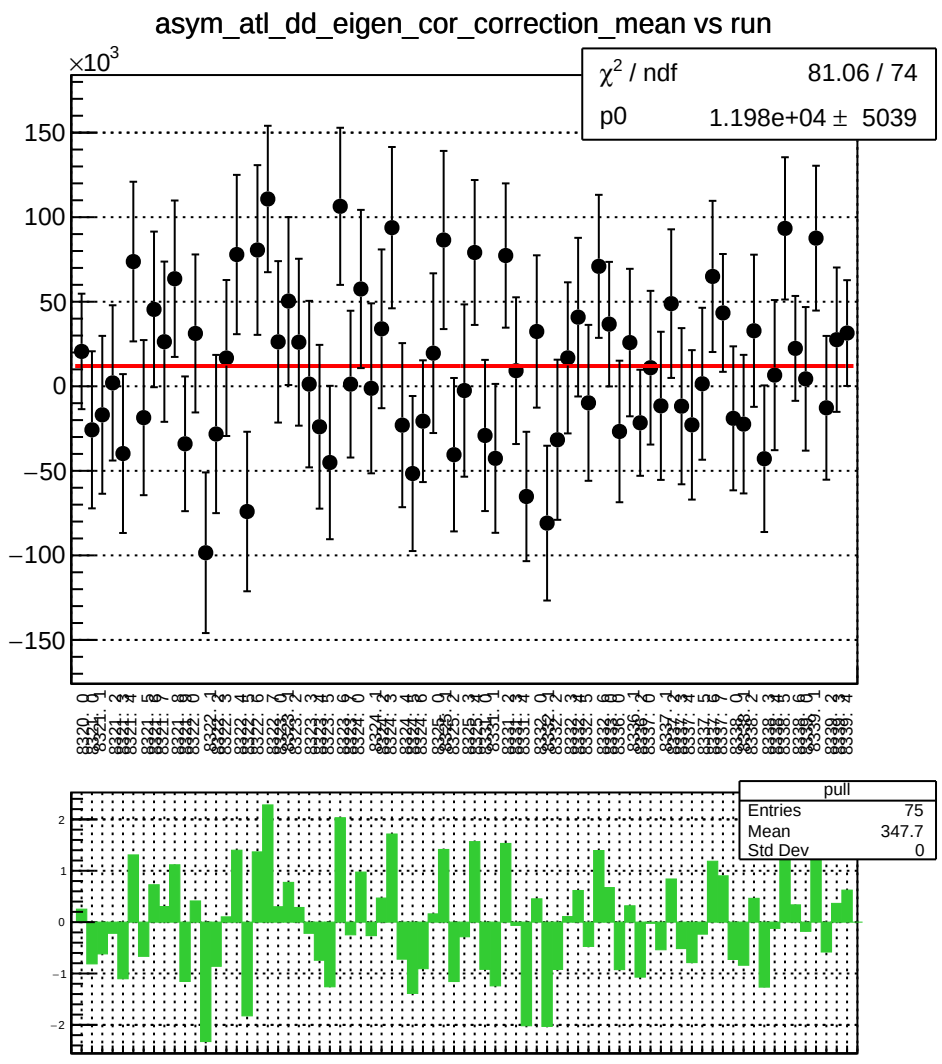

pull1D
Entries 75
Mean 0.00332
Std Dev 1.04

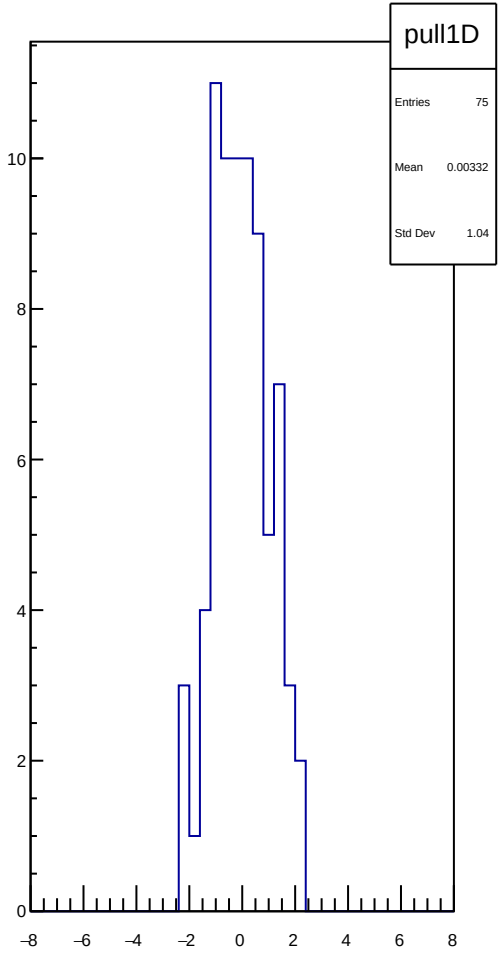

asym_atl_dd_cor_correction_rms vs run
χ² / ndf 3582 / 74
p0 4329 ± 3.563
5000
4800
4600
4400
4200
4000
3800

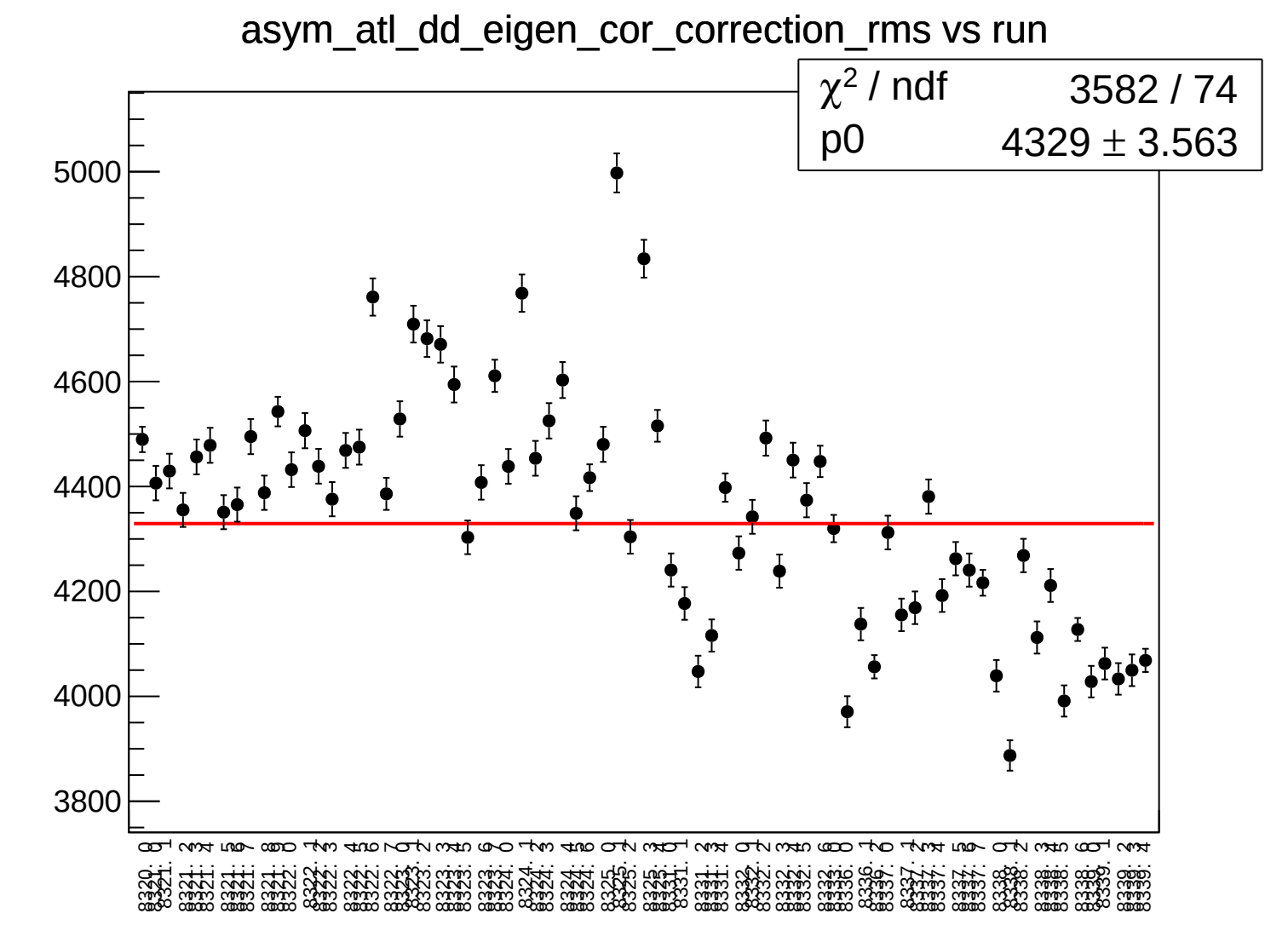

eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 67.22 / 74
p0 −1576 ± 1872
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 364.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

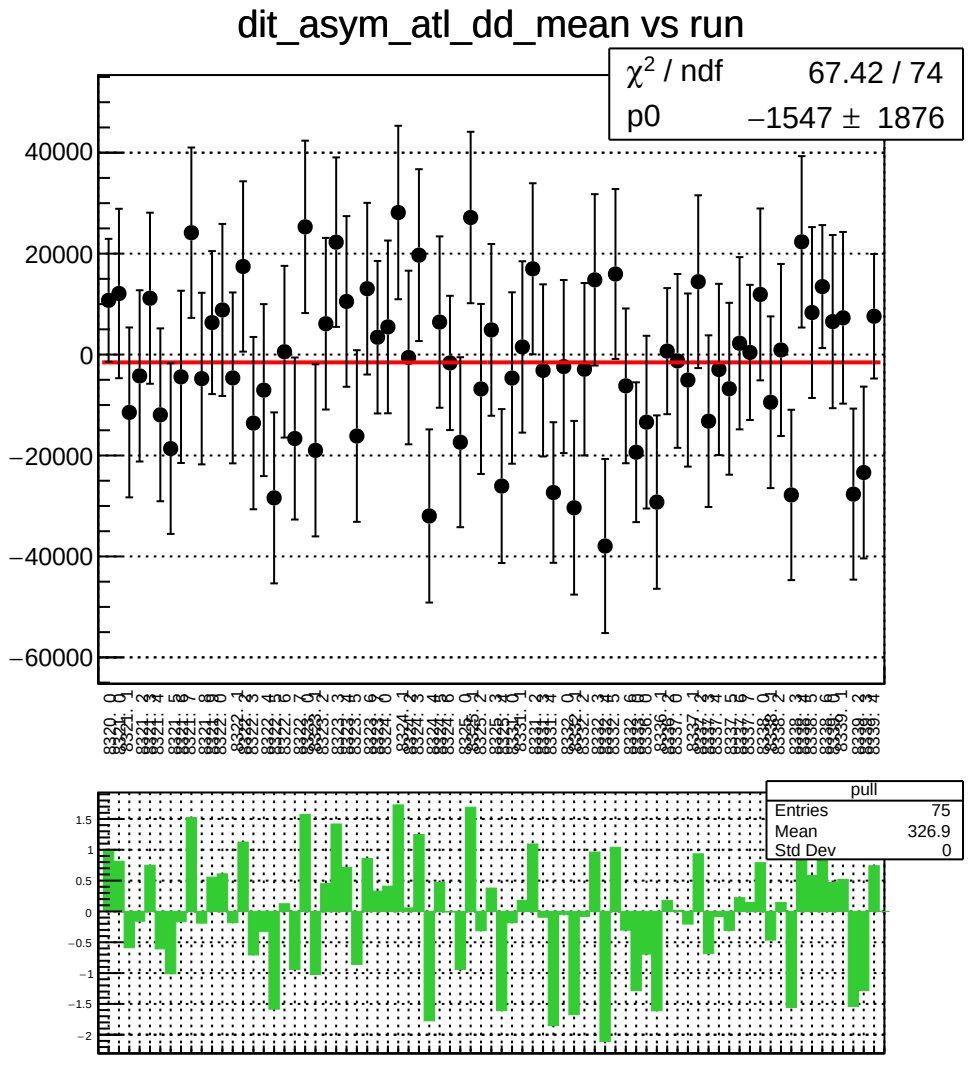

pull1D
Entries 75
Mean −0.006329
Std Dev 0.9467
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

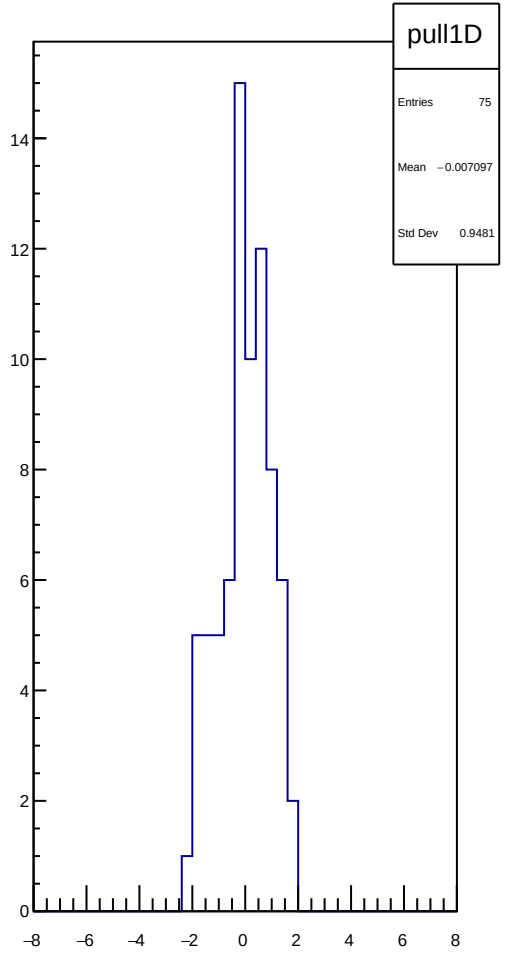

eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 62.56 / 74
p0 1610 ± 1.324
1650
1640
1630
1620
1610
1600
1590
1580

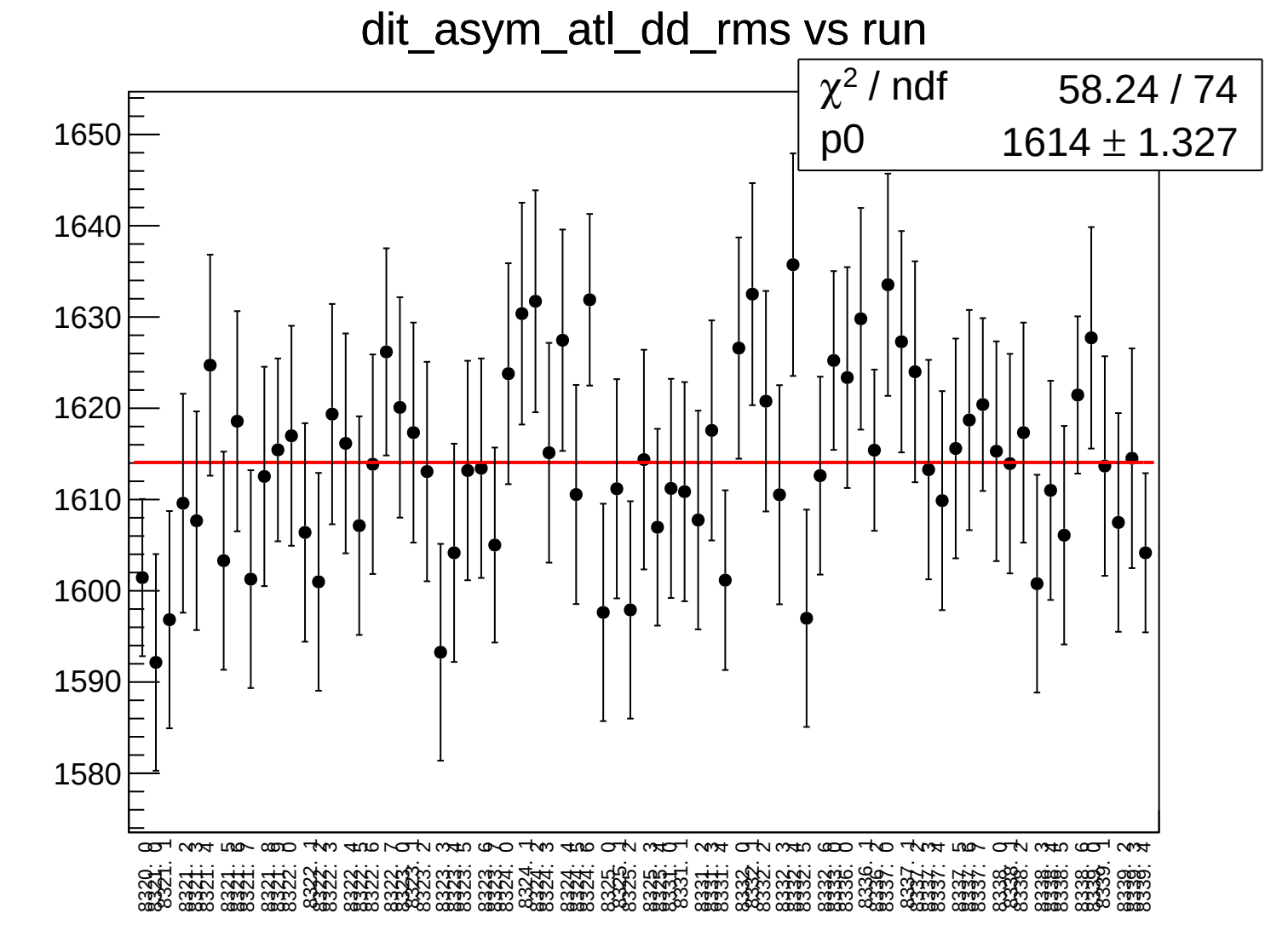

asym_atl_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.06 / 74
p0 1.198e+04 ± 5039
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 347.7
Std Dev 0
2
1
0
−1
−2

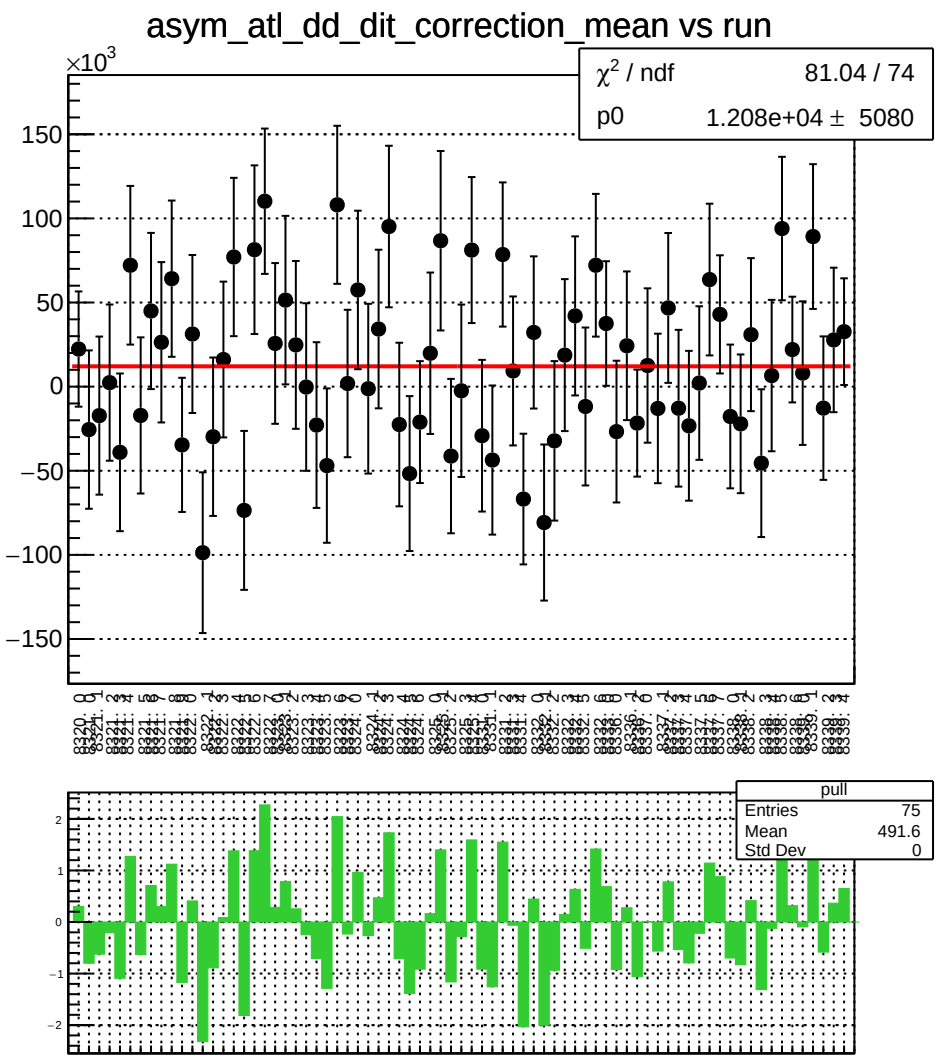

pull1D
Entries 75
Mean 0.00332
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

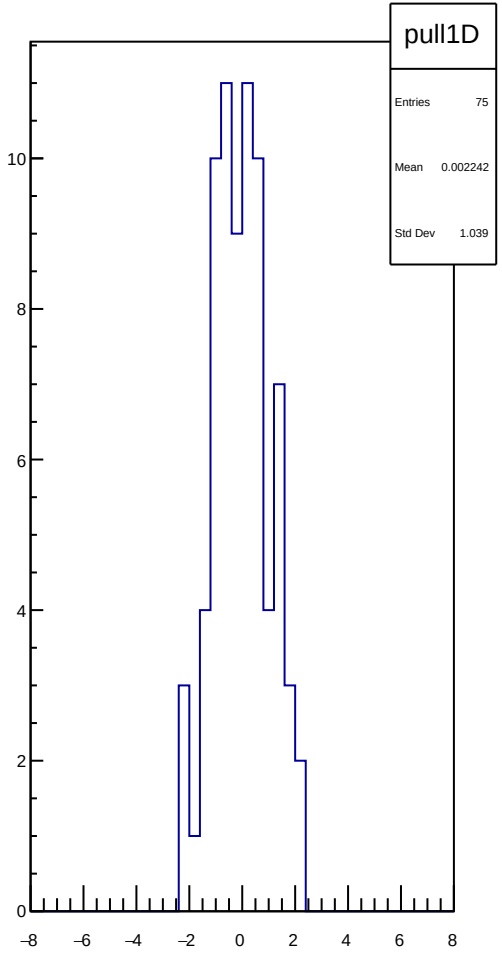

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 3582 / 74
p0 4329 ± 3.563
5000
4800
4600
4400
4200
4000
3800

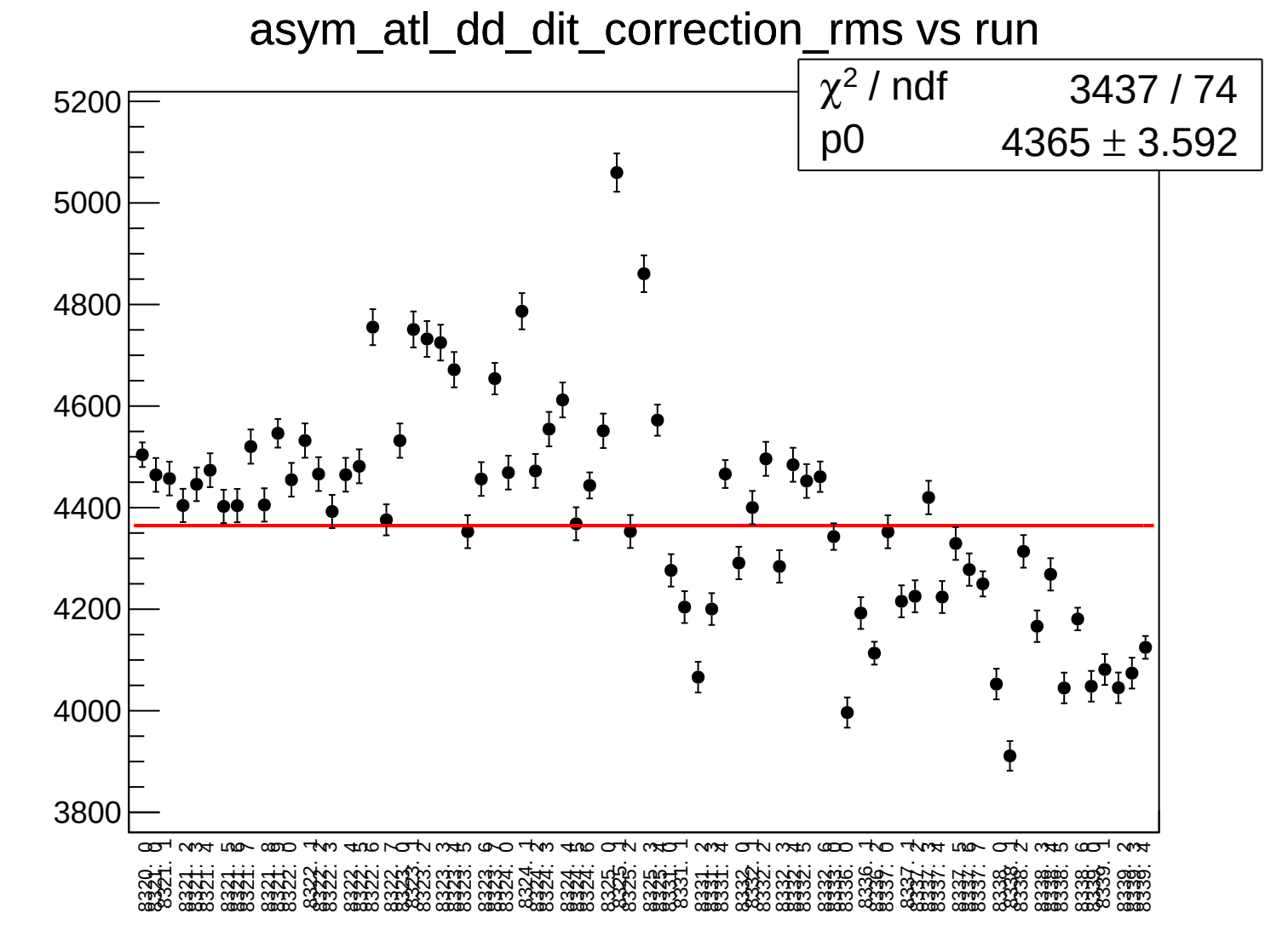

dit_asym_atl_dd_mean vs run
χ² / ndf 67.42 / 74
p0 −1547 ± 1876
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 326.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

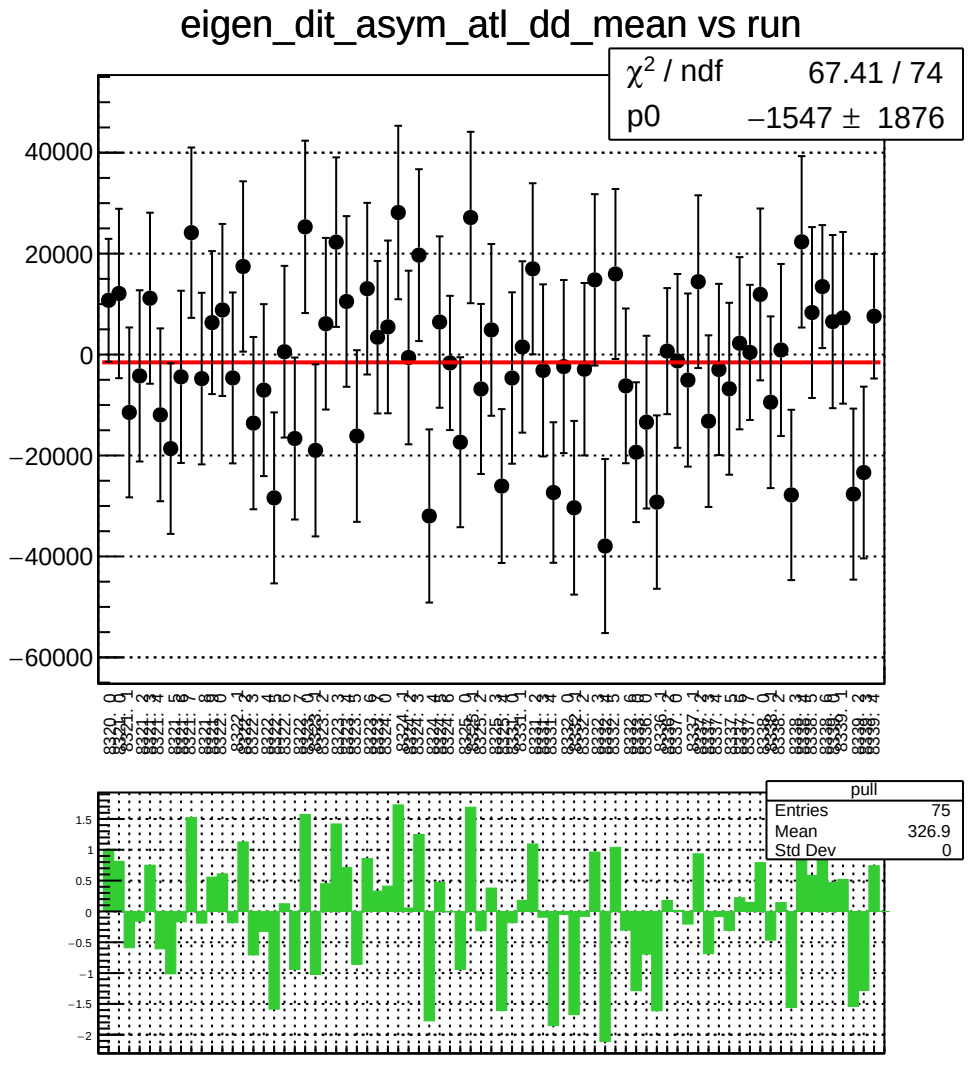

pull1D
Entries 75
Mean −0.007097
Std Dev 0.9481
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

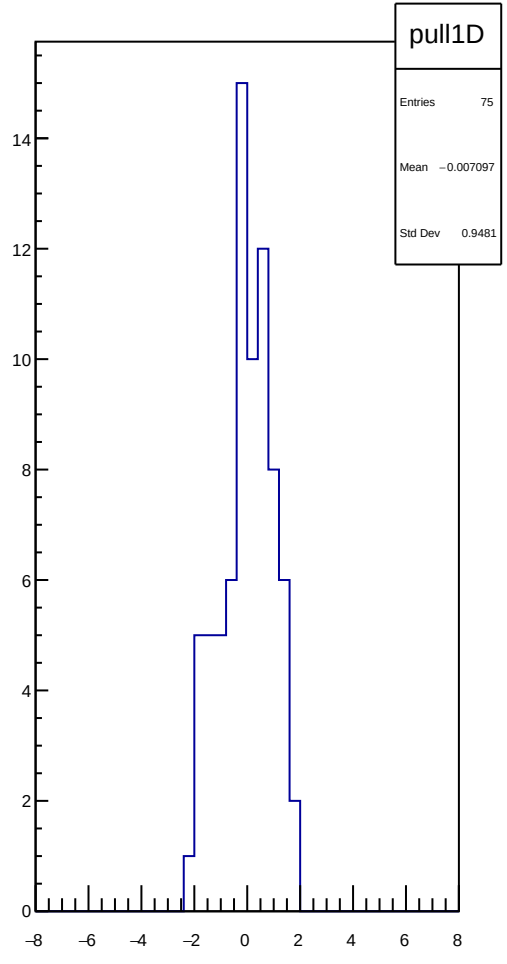

dit_asym_atl_dd_rms vs run
χ^2 / ndf 58.24 / 74
p0 1614 ± 1.327
1650
1640
1630
1620
1610
1600
1590
1580

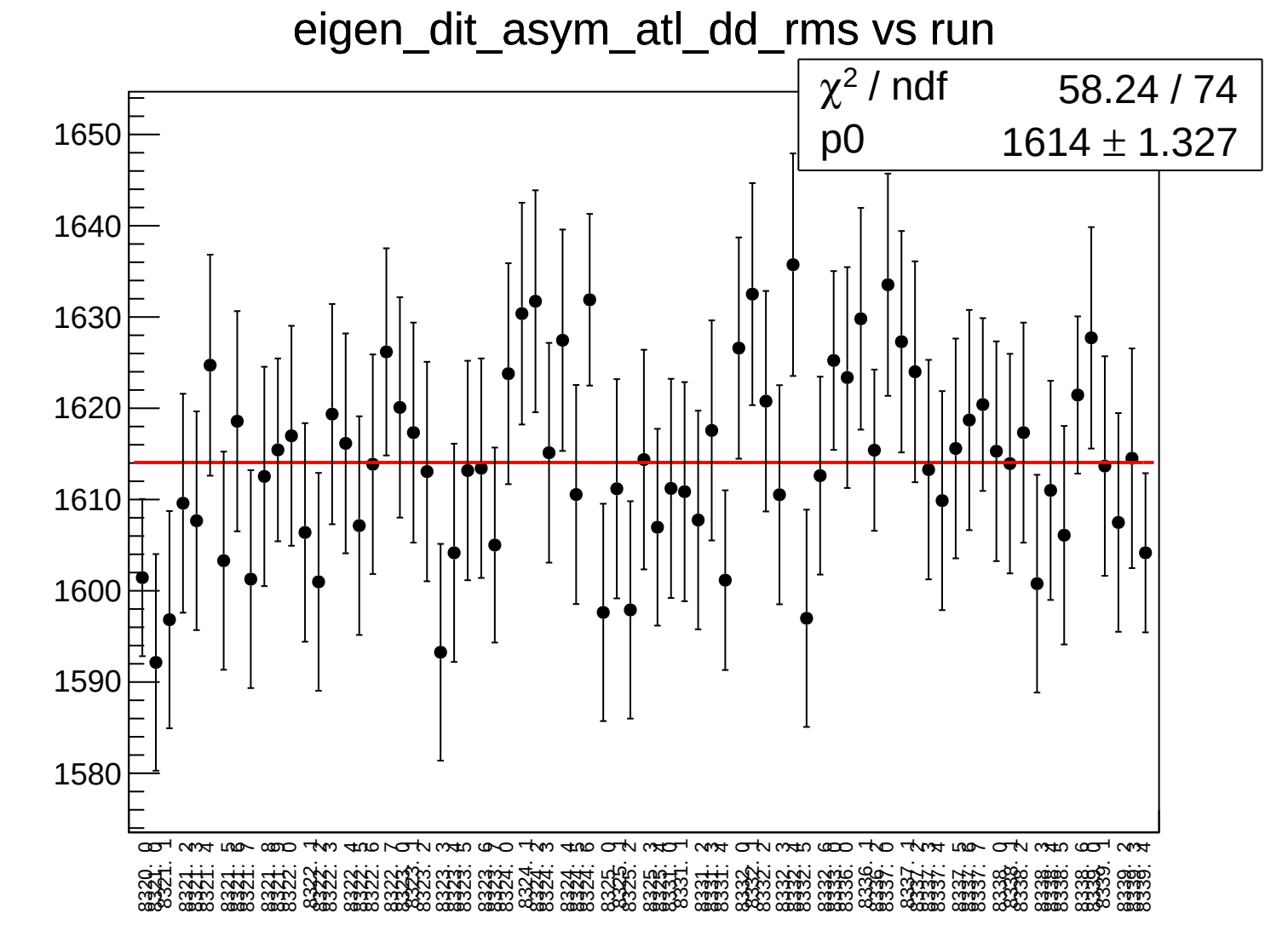

asym_atl_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.04 / 74
p0 1.208e+04 ± 5080
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 491.6
Std Dev 0
2
1
0
−1
−2

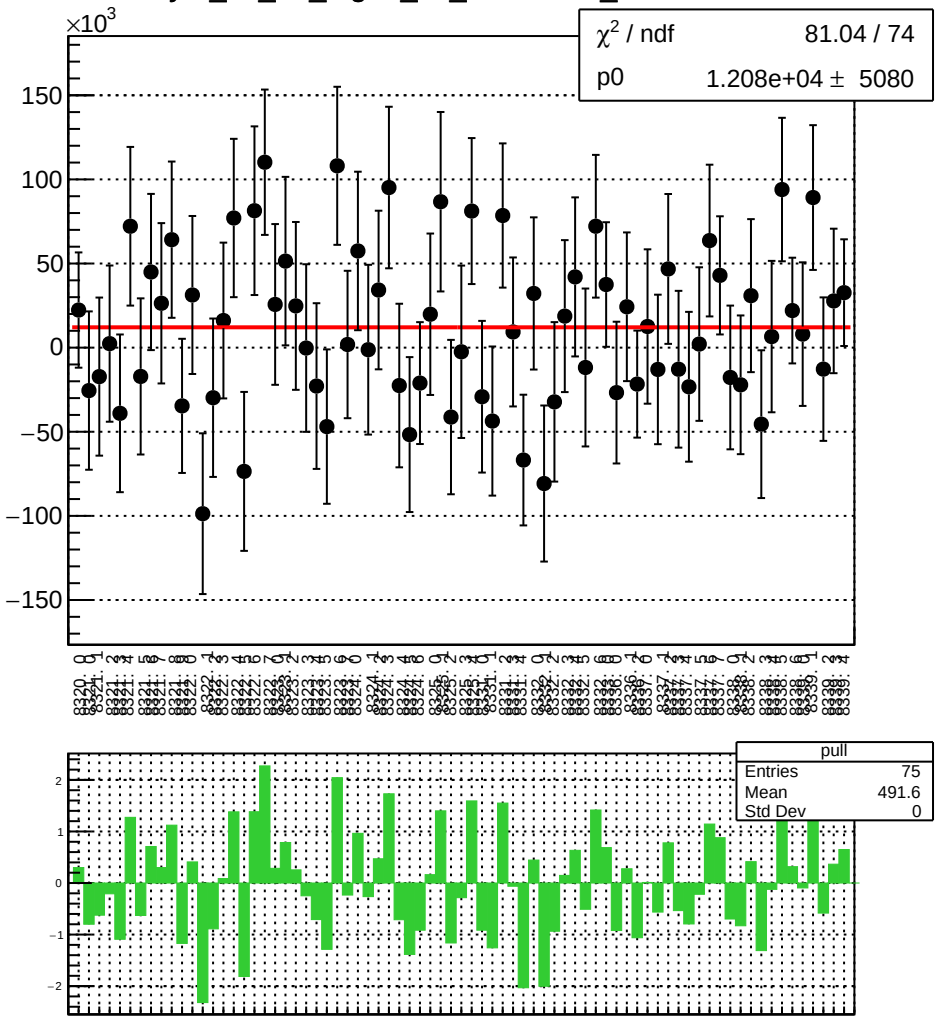

pull1D
Entries 75
Mean 0.002242
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

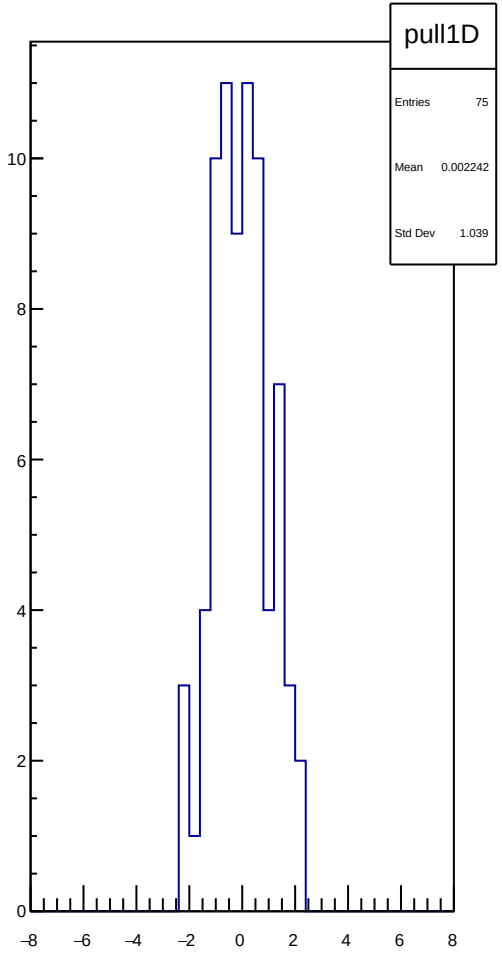

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 3437 / 74
p0 4365 ± 3.592
5200
5000
4800
4600
4400
4200
4000
3800

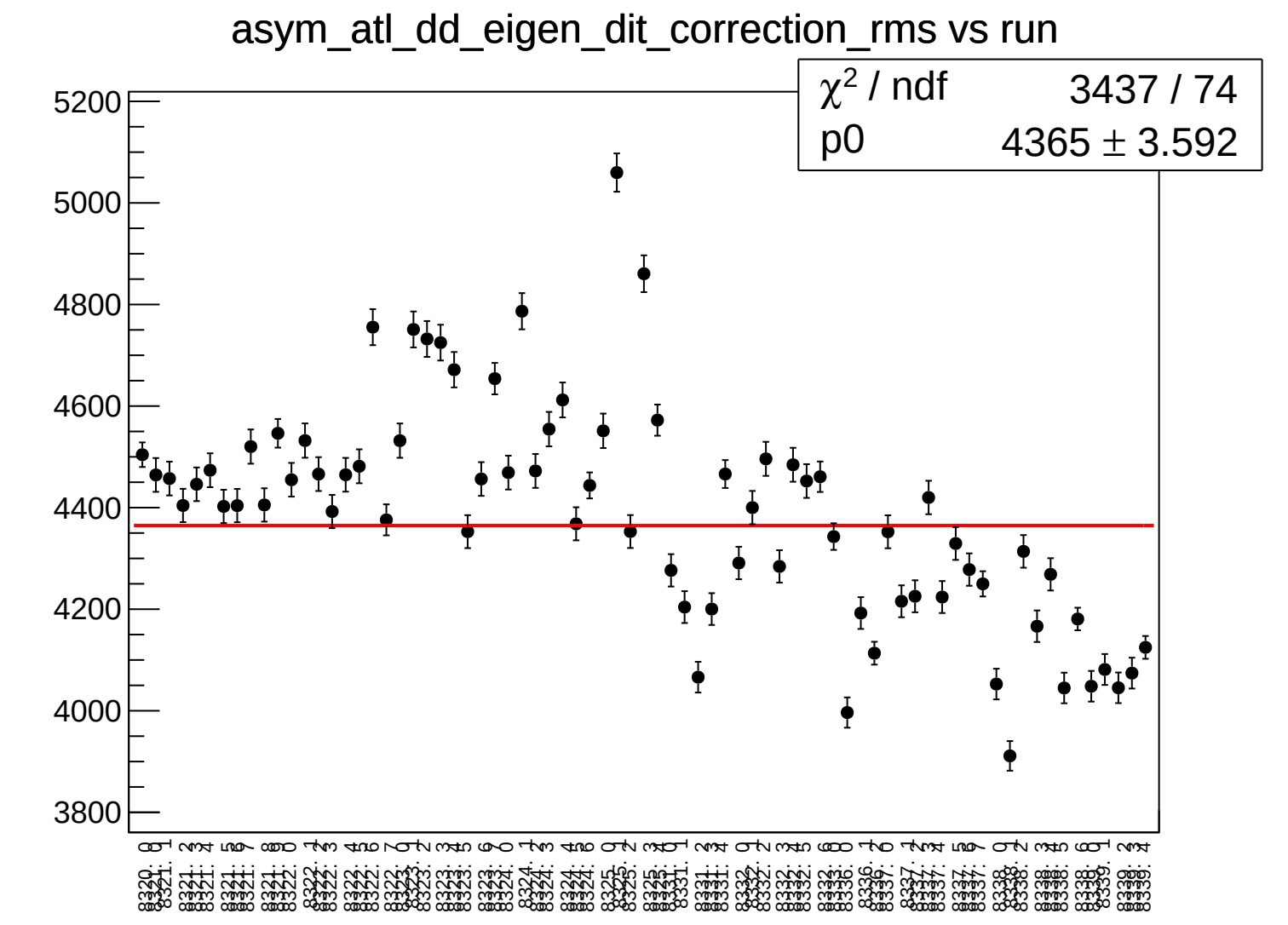

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 67.41 / 74
p0 −1547 ± 1876
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 326.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

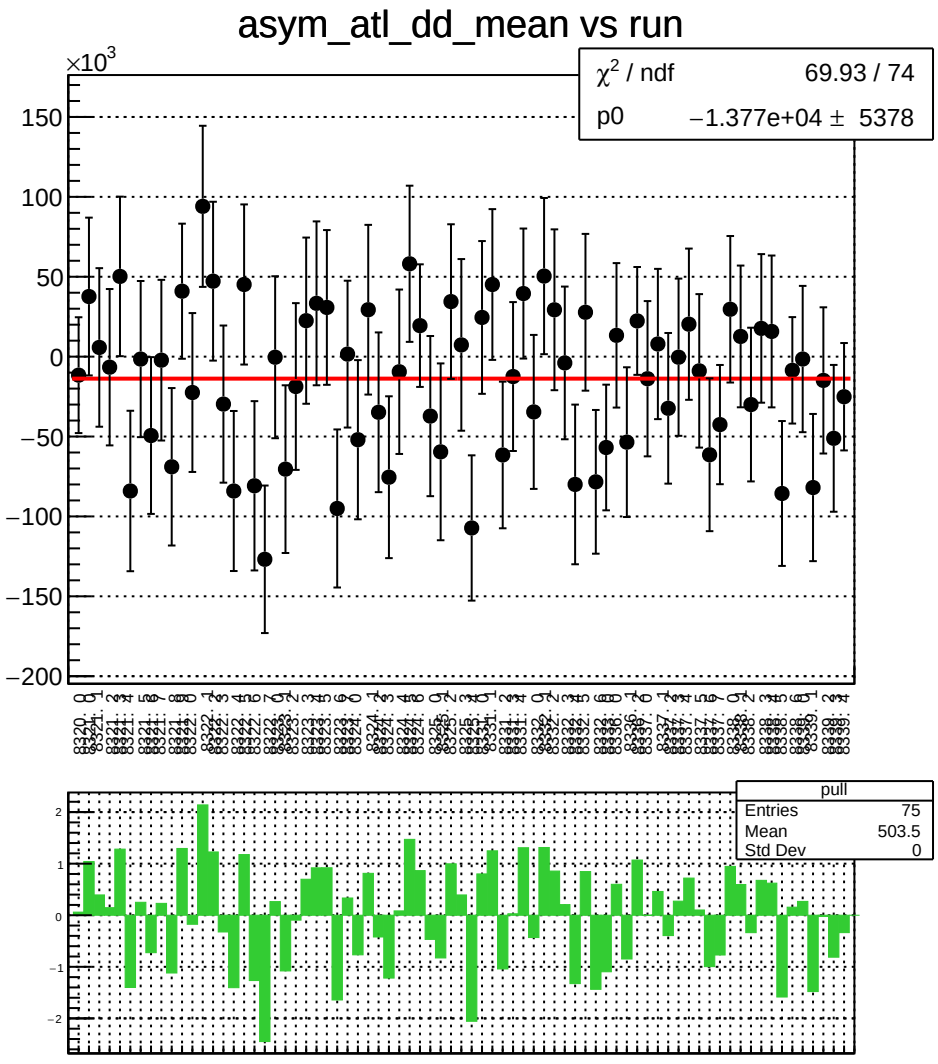

pull1D
Entries 75
Mean −0.007097
Std Dev 0.9481
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

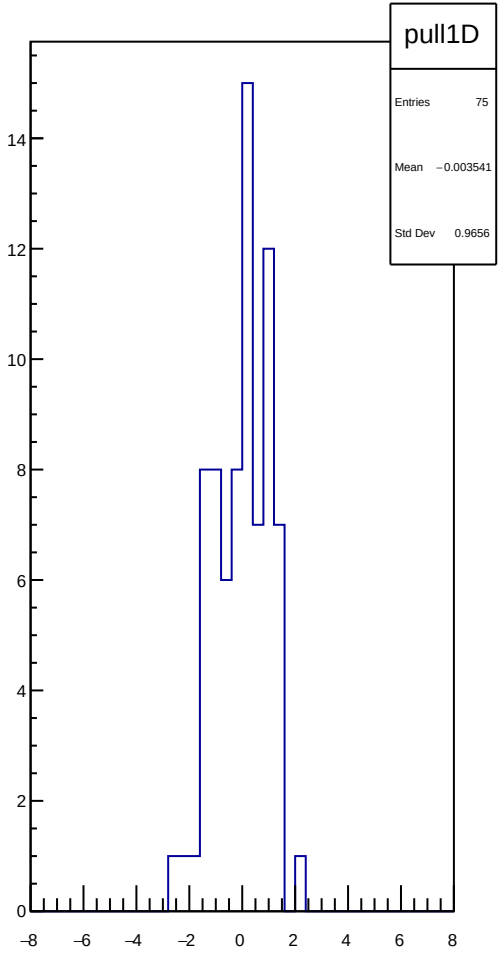

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 58.24 / 74
p0 1614 ± 1.327
1650
1640
1630
1620
1610
1600
1590
1580

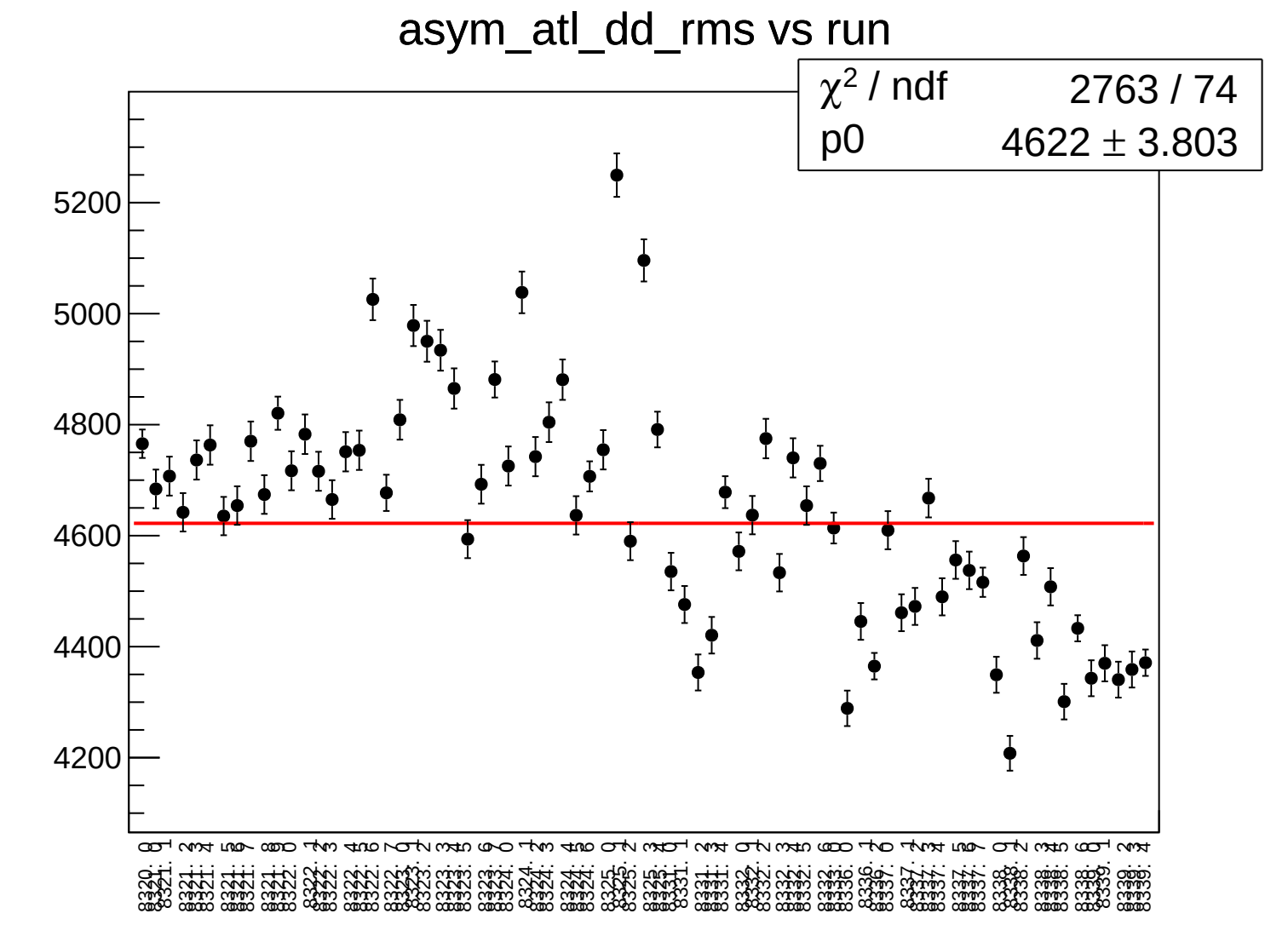

asym_atl_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.04 / 74
p0 1.208e+04 ± 5080
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 491.6
Std Dev 0
2
1
0
−1
−2

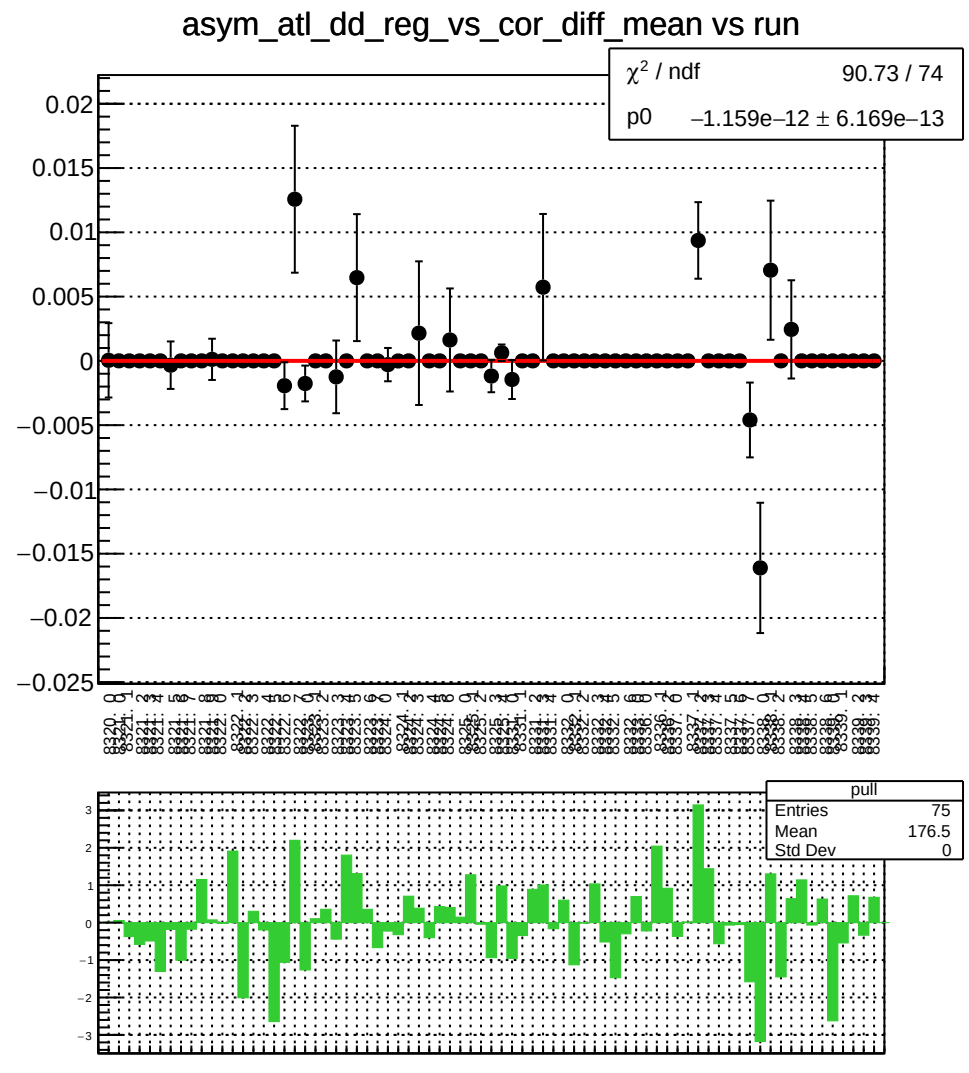

pull1D
Entries 75
Mean 0.002242
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

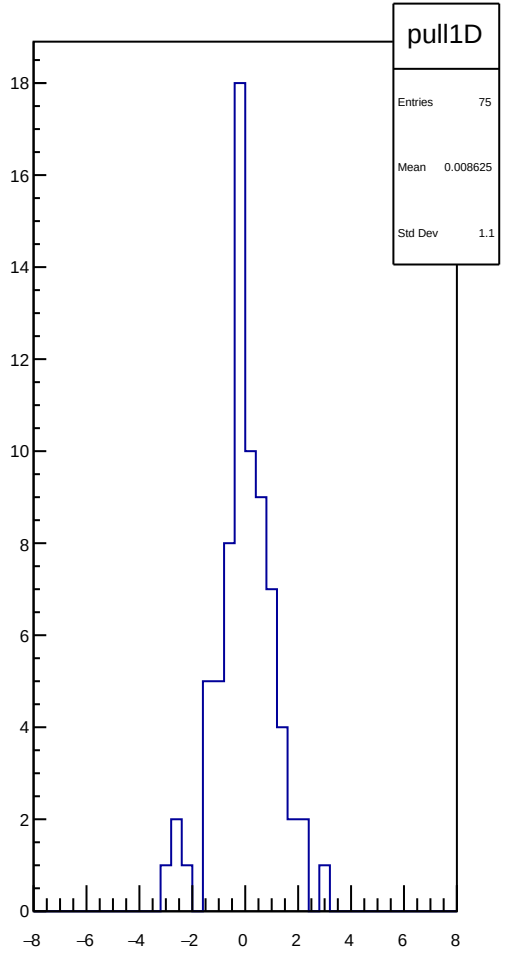

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 3437 / 74
p0 4365 ± 3.592
5200
5000
4800
4600
4400
4200
4000
3800

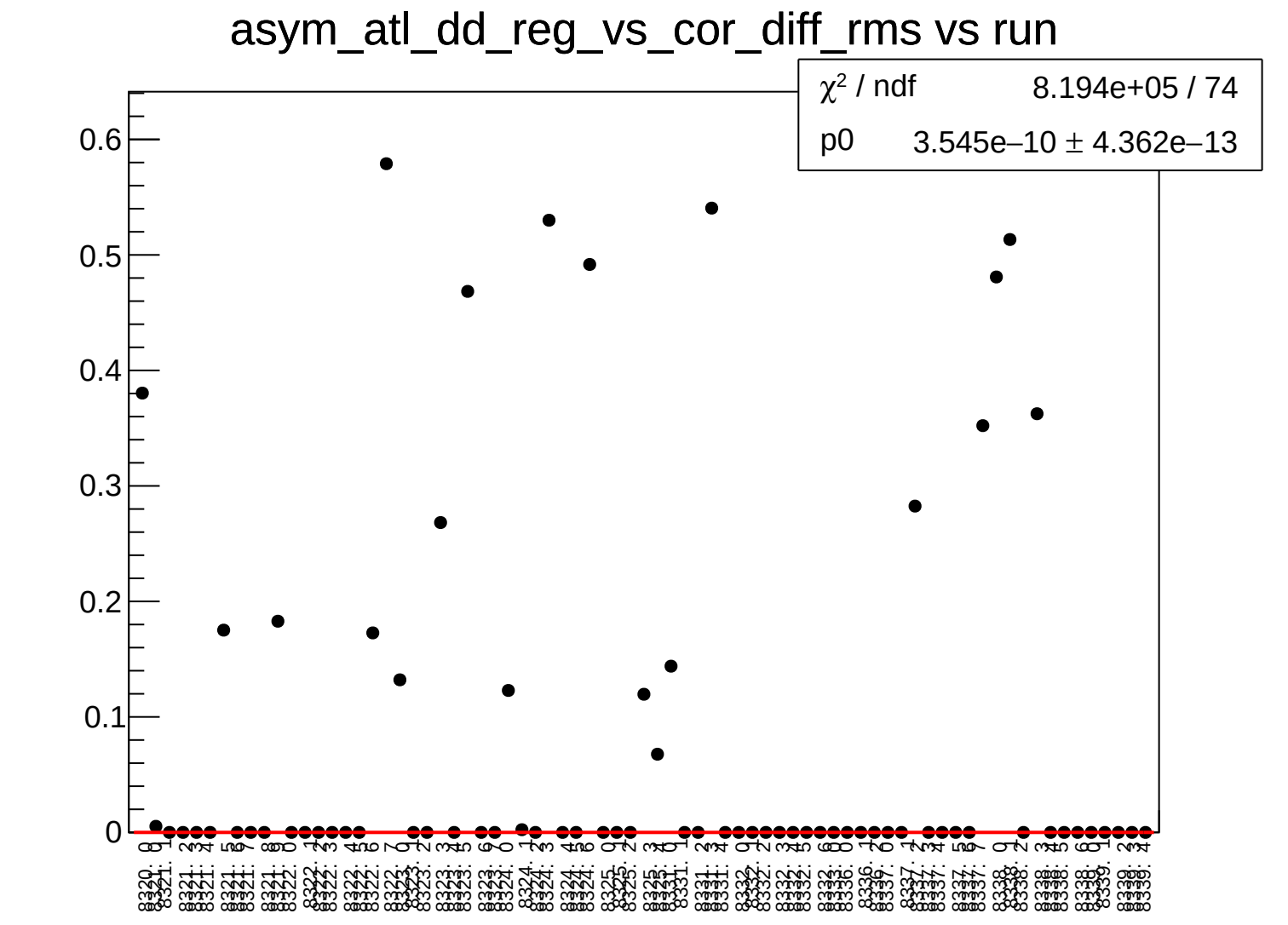

asym_atl_dd_mean vs run
×10^3
χ² / ndf 69.93 / 74
p0 −1.377e+04 ± 5378
pull
Entries 75
Mean 503.5
Std Dev 0

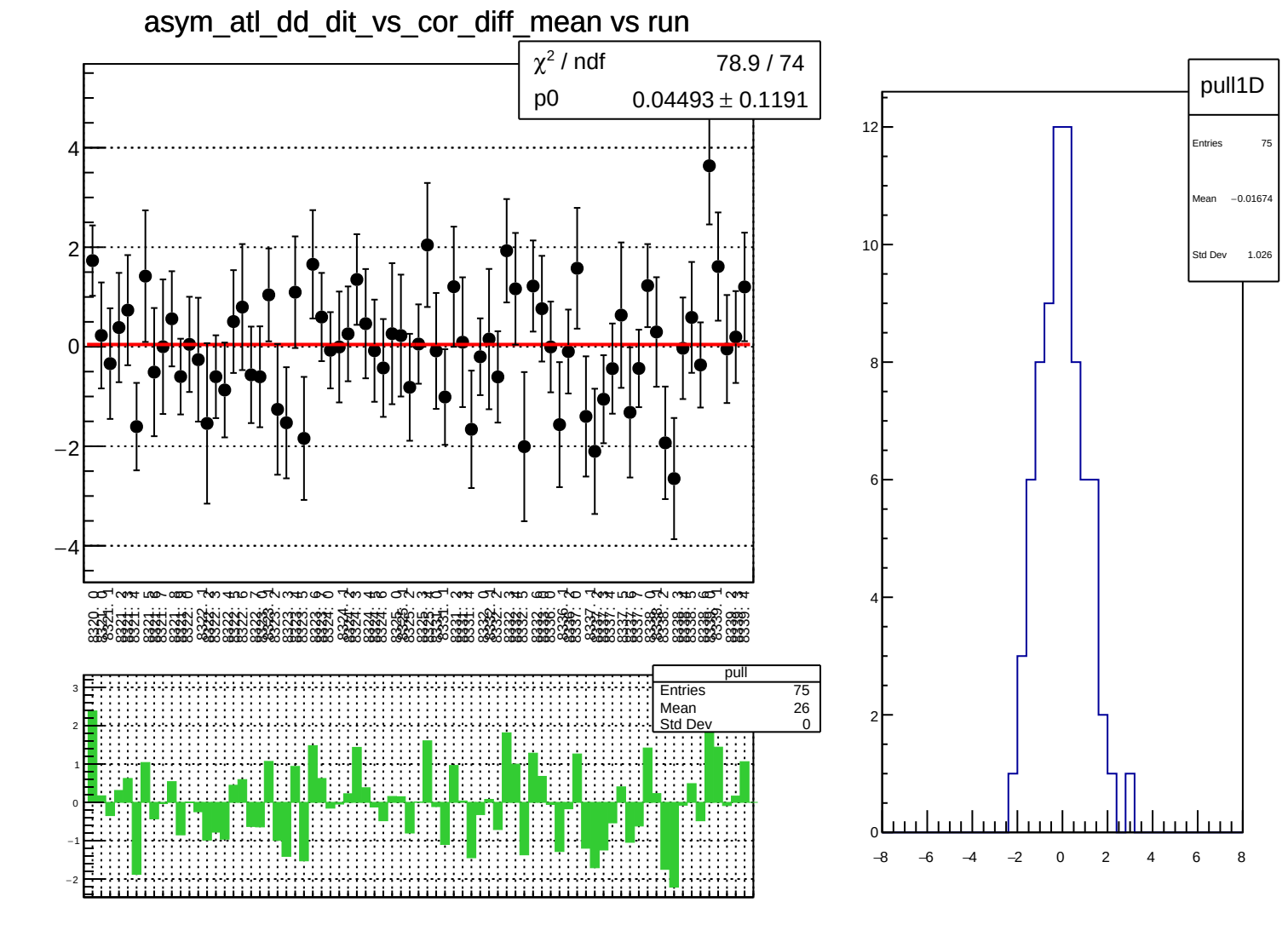

pull1D
Entries 75
Mean −0.003541
Std Dev 0.9656

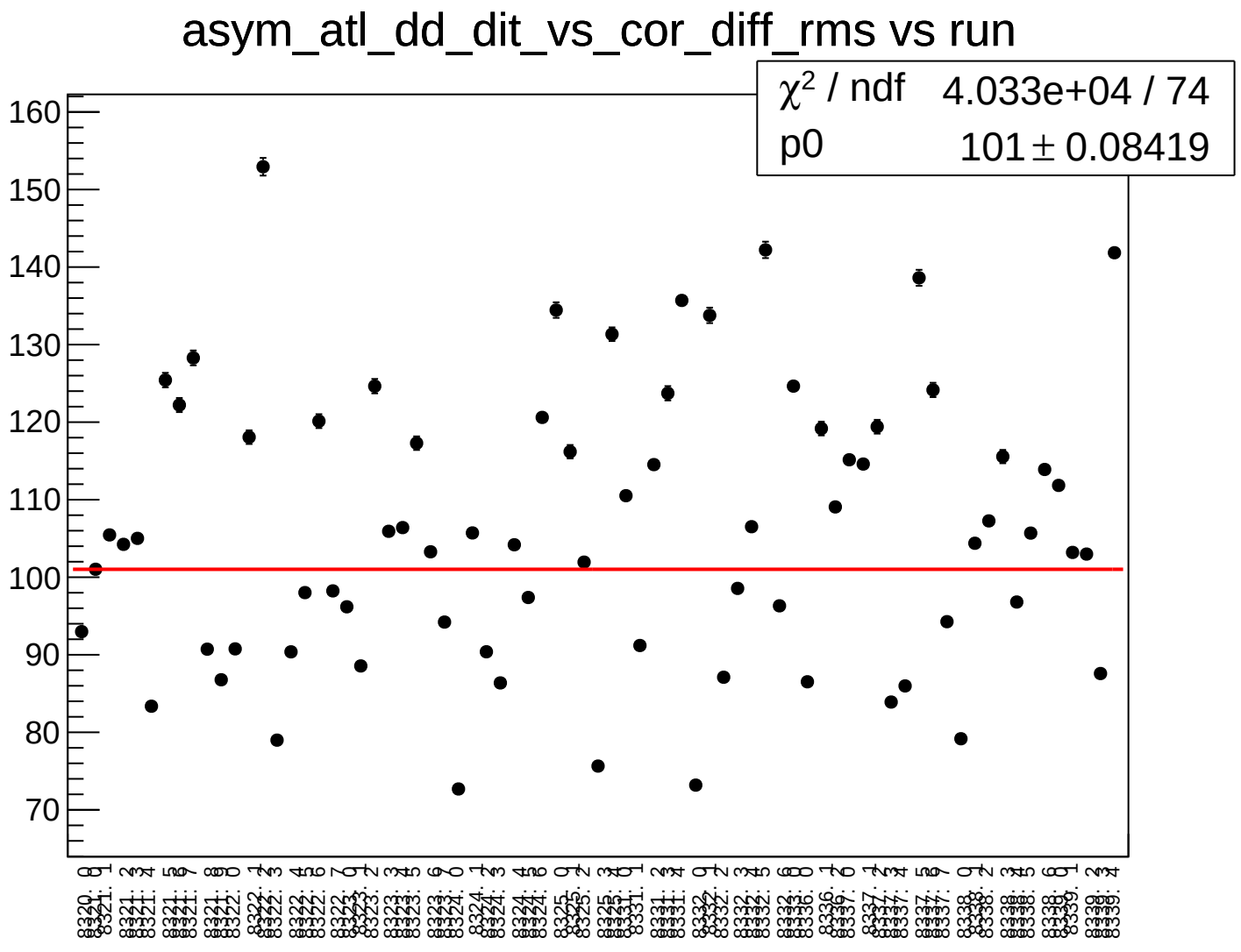

asym_atl_dd_rms vs run
χ² / ndf 2763 / 74
p0 4622 ± 3.803
5200
5000
4800
4600
4400
4200

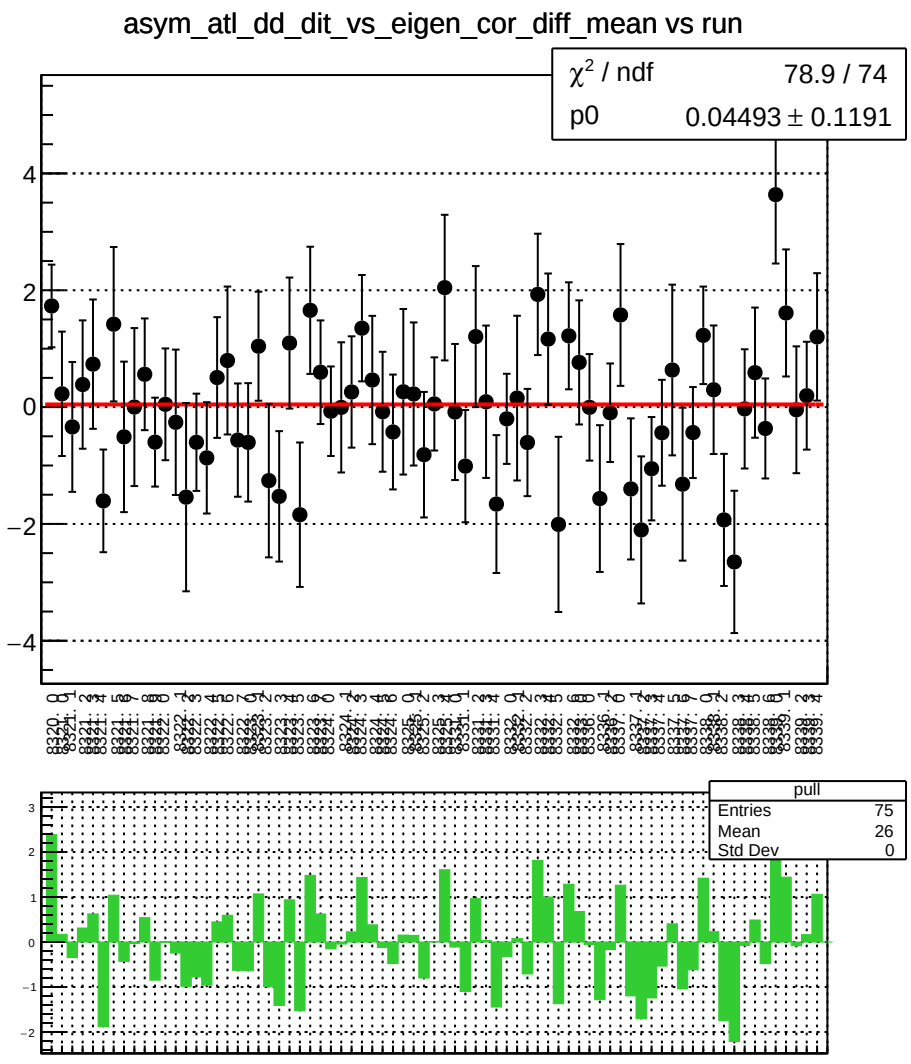

asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 90.73 / 74
p0 −1.159e−12 ± 6.169e−13
pull
Entries 75
Mean 176.5
Std Dev 0

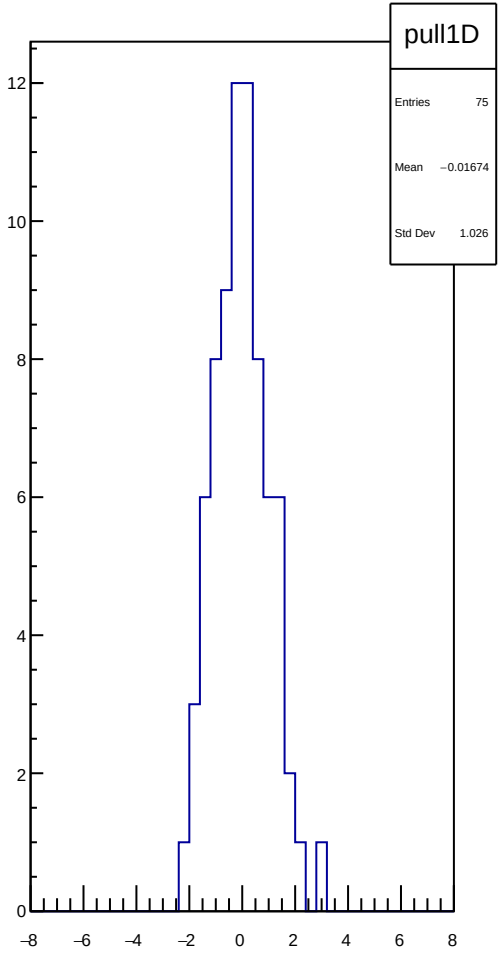

pull1D
Entries 75
Mean 0.008625
Std Dev 1.1

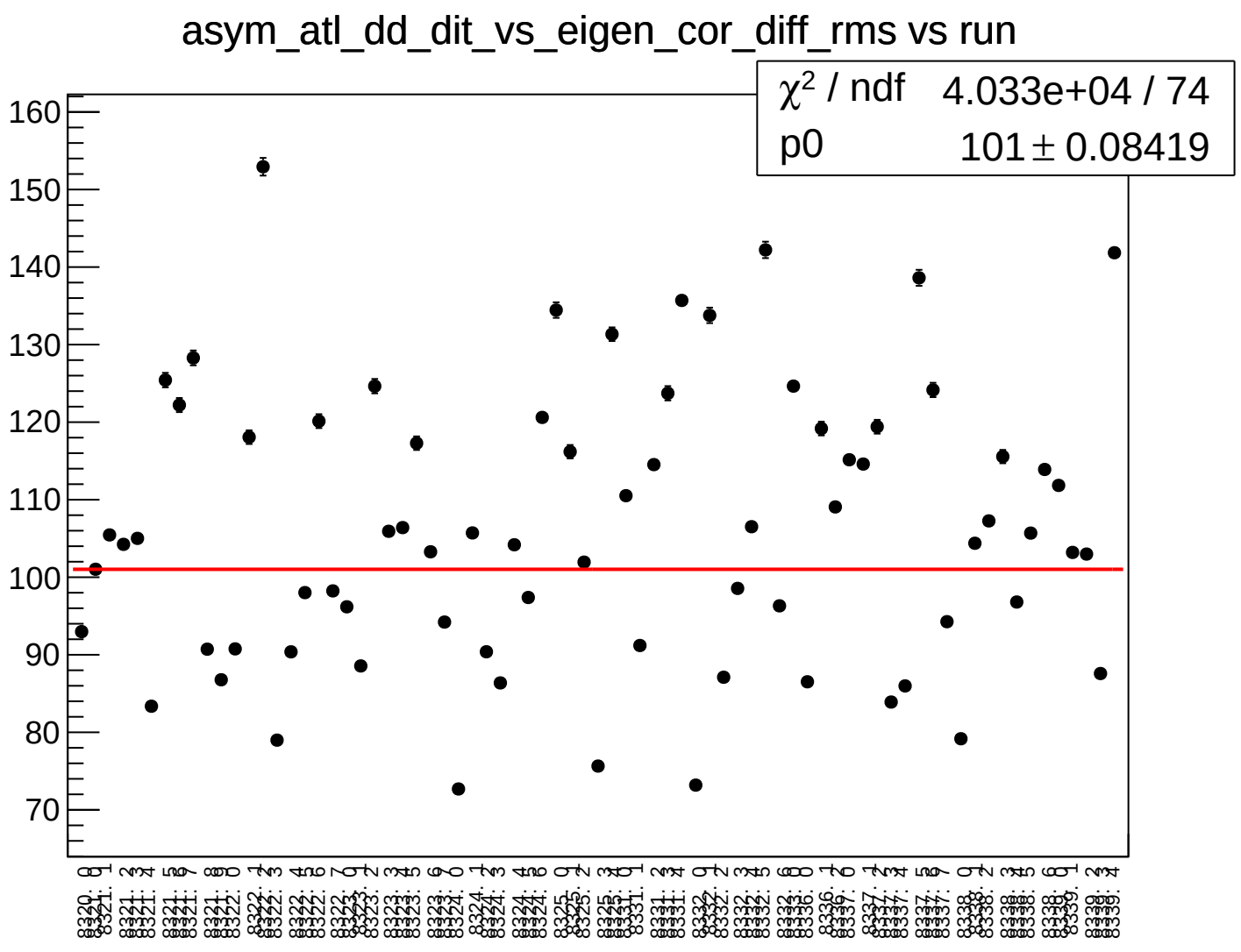

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.194e+05 / 74
p0 3.545e−10 ± 4.362e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

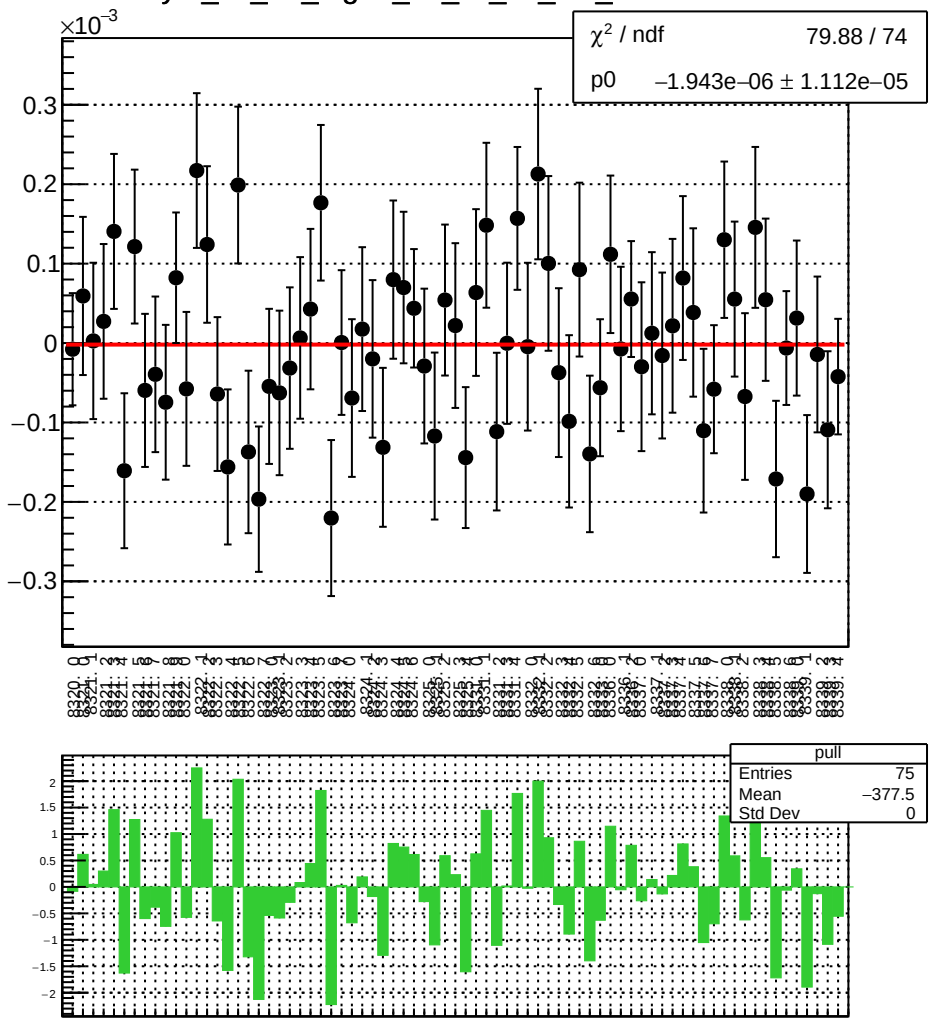

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 78.9 / 74
p0 0.04493 ± 0.1191
pull
Entries 75
Mean 26
Std Dev 0
pull1D
Entries 75
Mean −0.01674
Std Dev 1.026

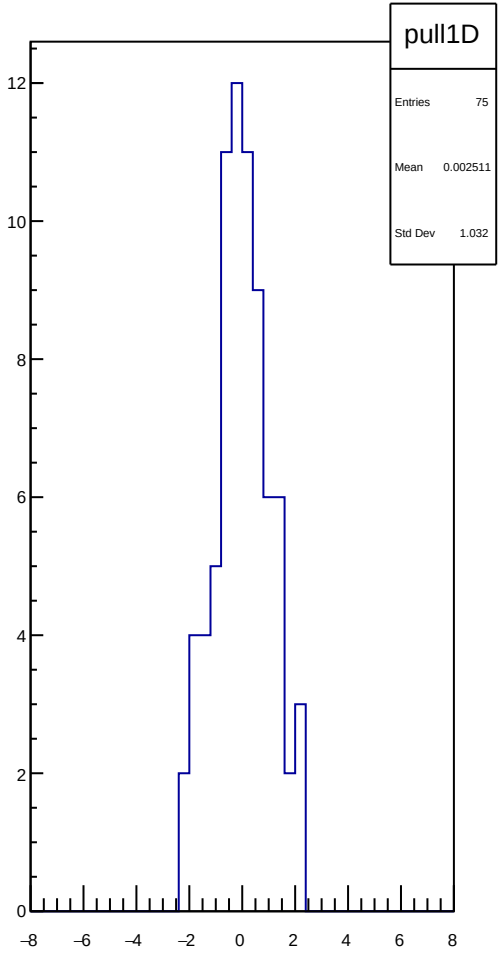

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.033e+04 / 74
p0 101 ± 0.08419
160
150
140
130
120
110
100
90
80
70

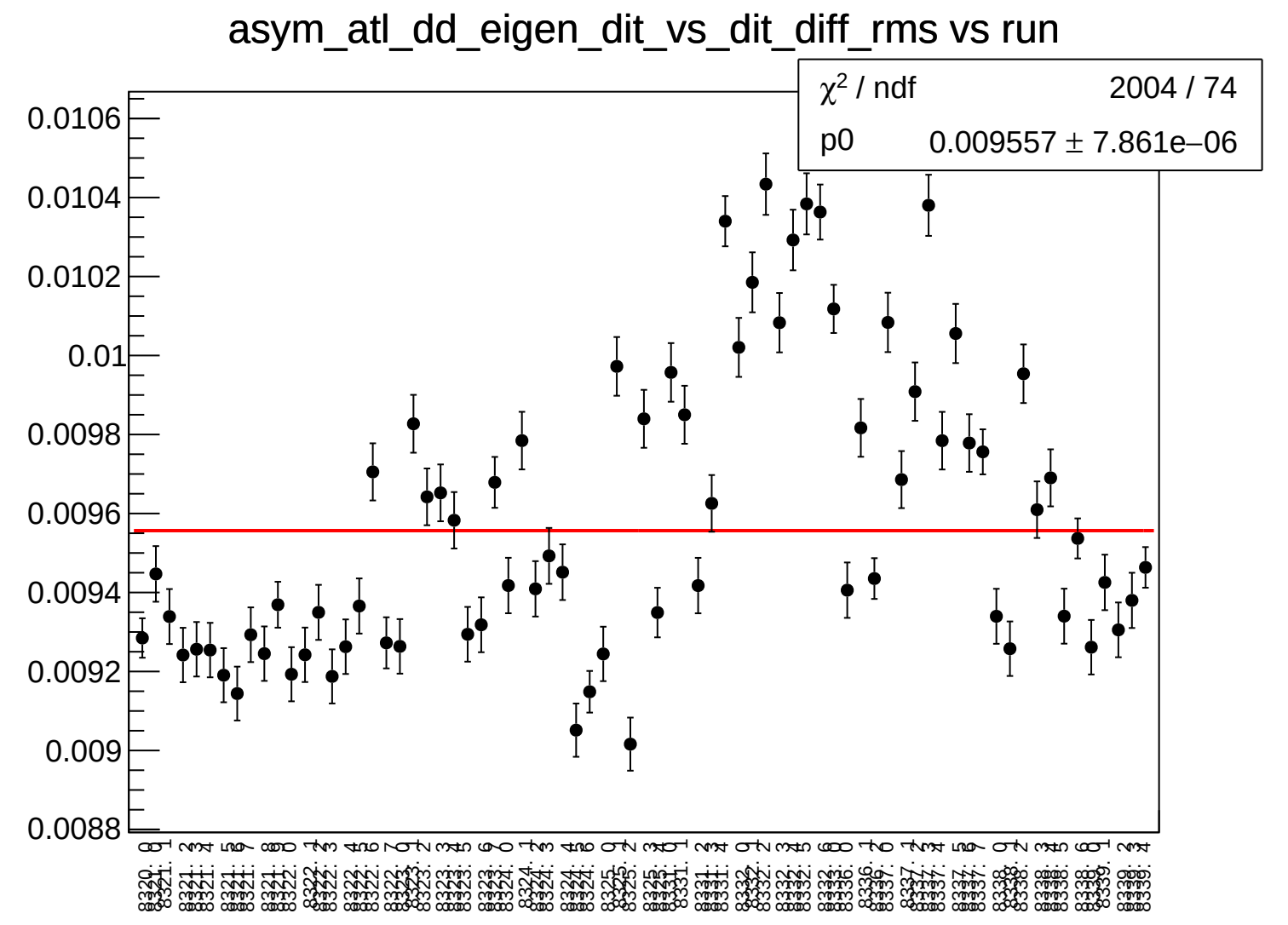

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.9 / 74
p0 0.04493 ± 0.1191
pull
Entries 75
Mean 26
Std Dev 0

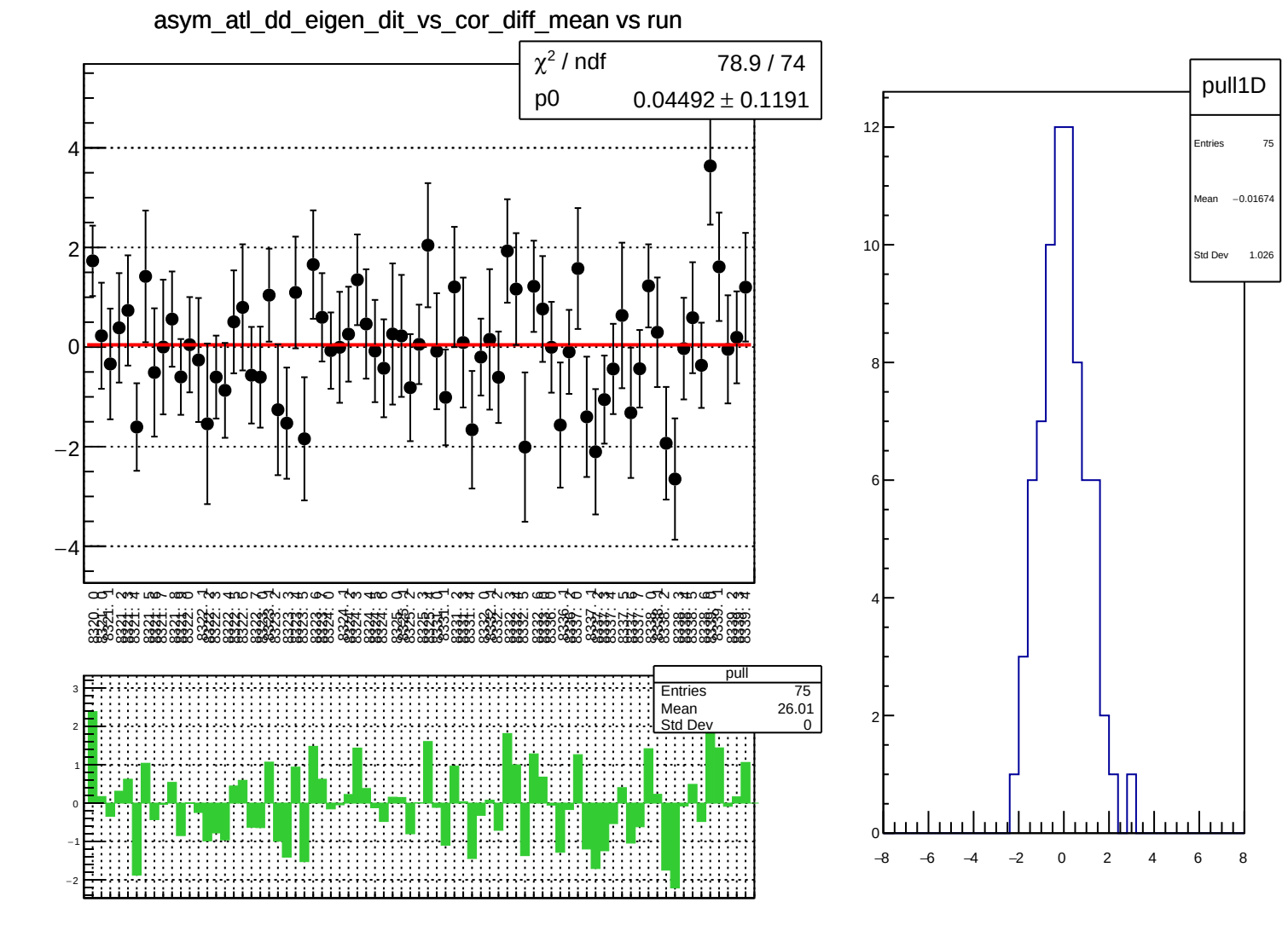

pull1D
Entries 75
Mean −0.01674
Std Dev 1.026

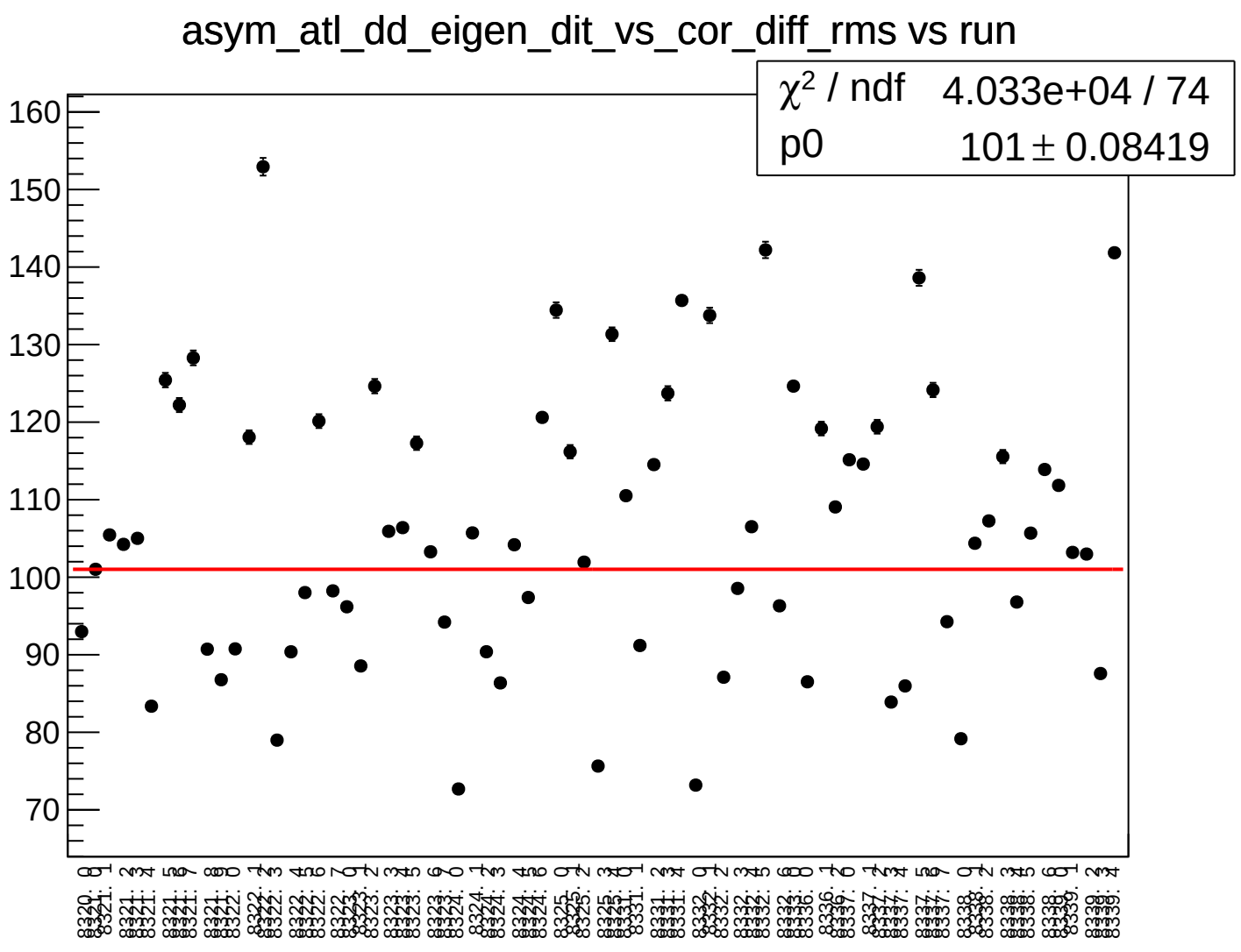

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.033e+04 / 74
p0 101 ± 0.08419
160
150
140
130
120
110
100
90
80
70

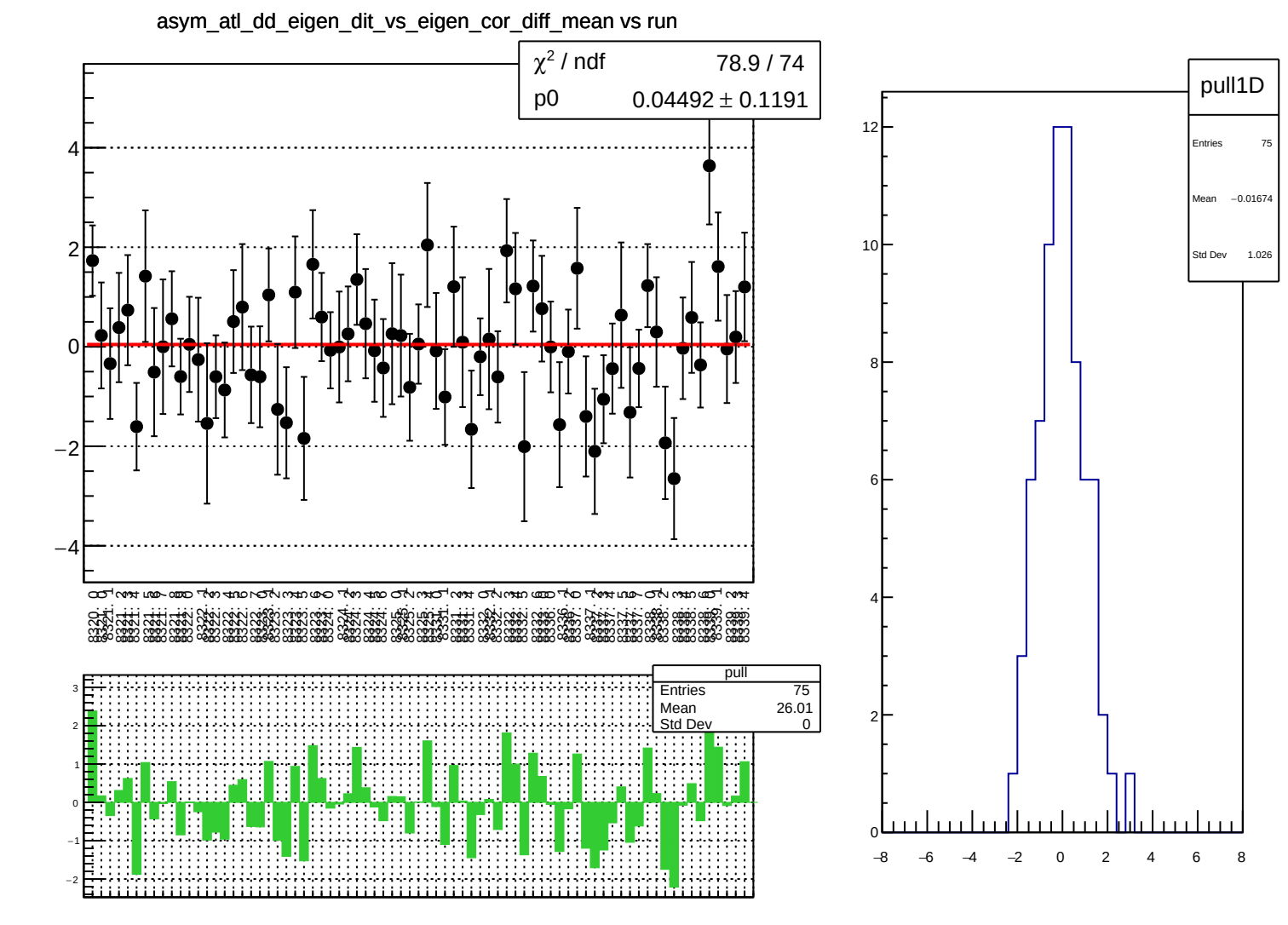

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.88 / 74
p0 −1.943e−06 ± 1.112e−05
pull
Entries 75
Mean −377.5
Std Dev 0

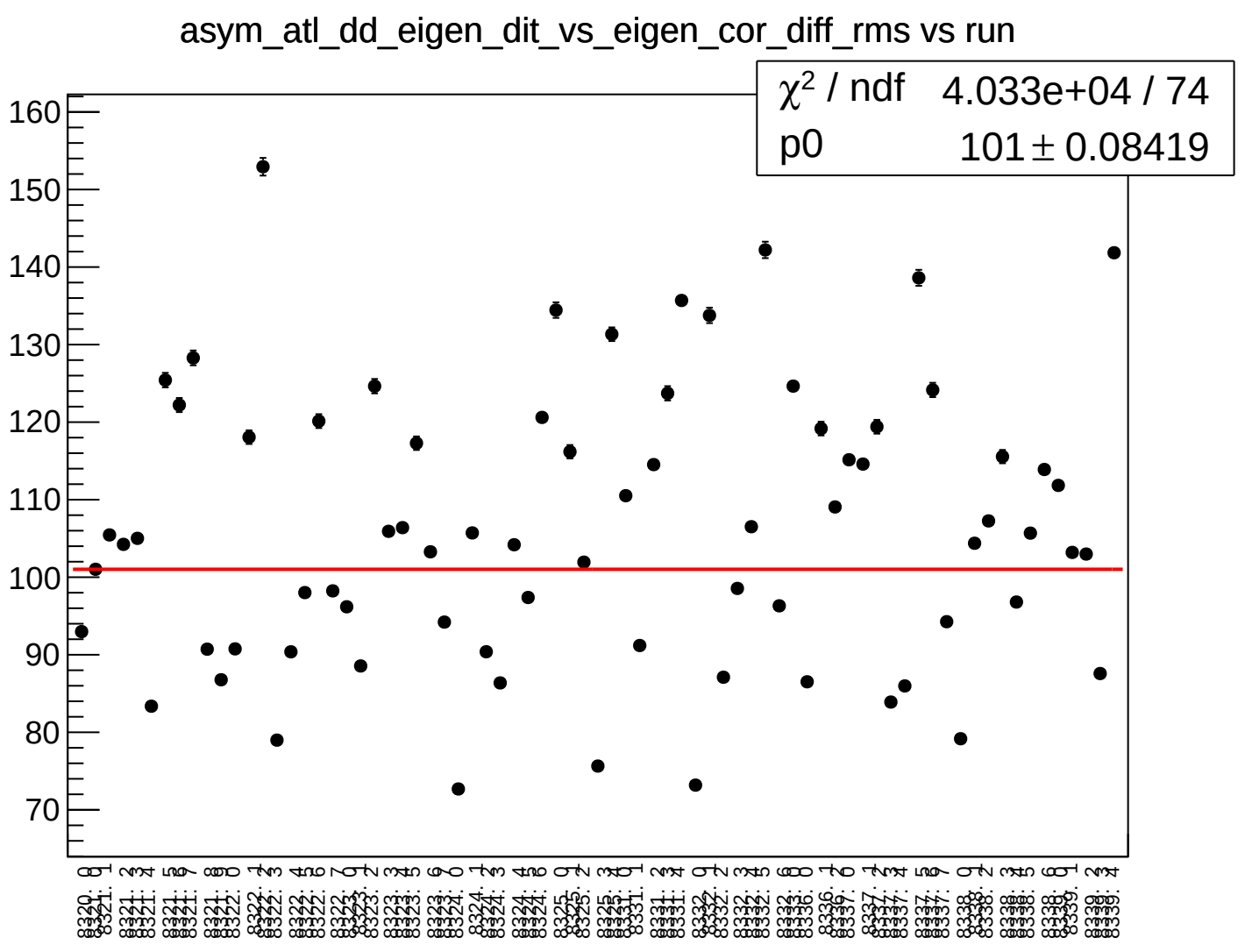

pull1D
Entries 75
Mean 0.002511
Std Dev 1.032

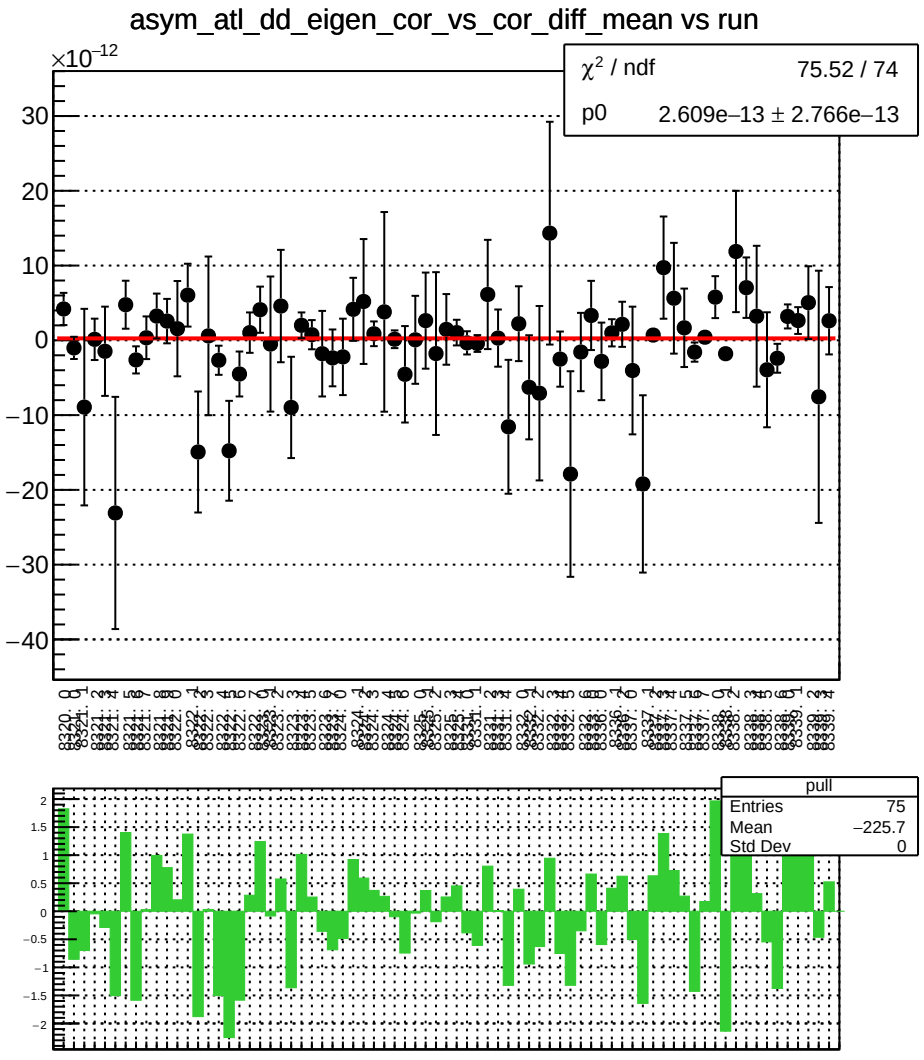

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2004 / 74
p0 0.009557 ± 7.861e−06
0.0106
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092
0.009
0.0088

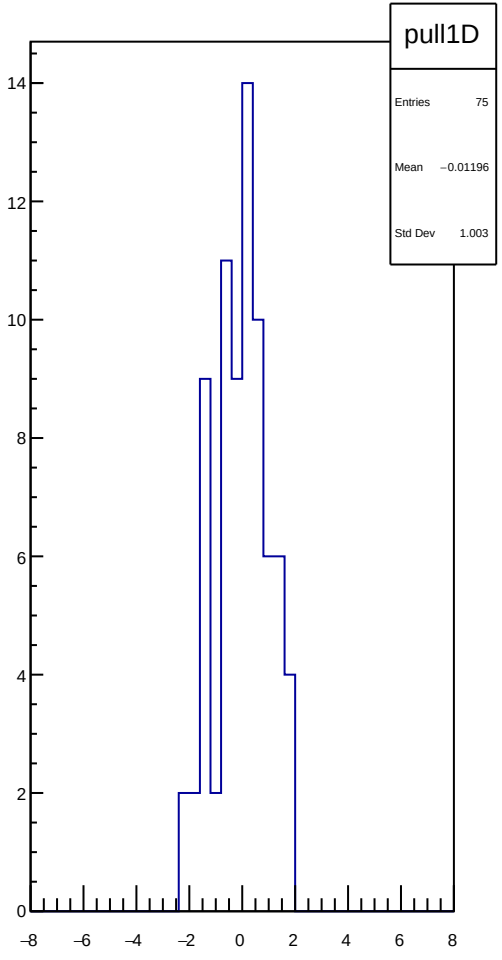

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.9 / 74
p0 0.04492 ± 0.1191
pull
Entries 75
Mean 26.01
Std Dev 0
pull1D
Entries 75
Mean −0.01674
Std Dev 1.026

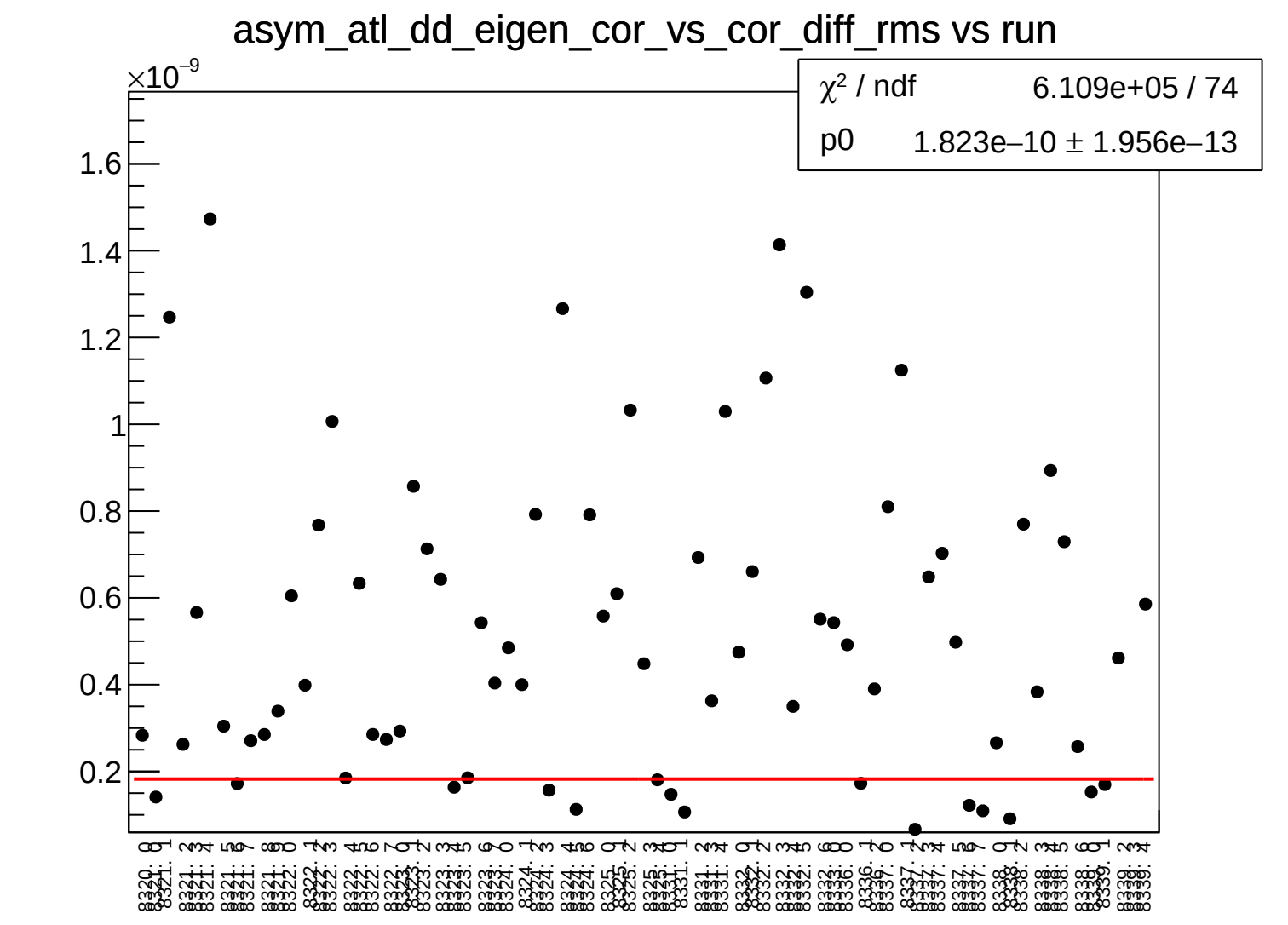

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.033e+04 / 74
p0 101 ± 0.08419
160
150
140
130
120
110
100
90
80
70

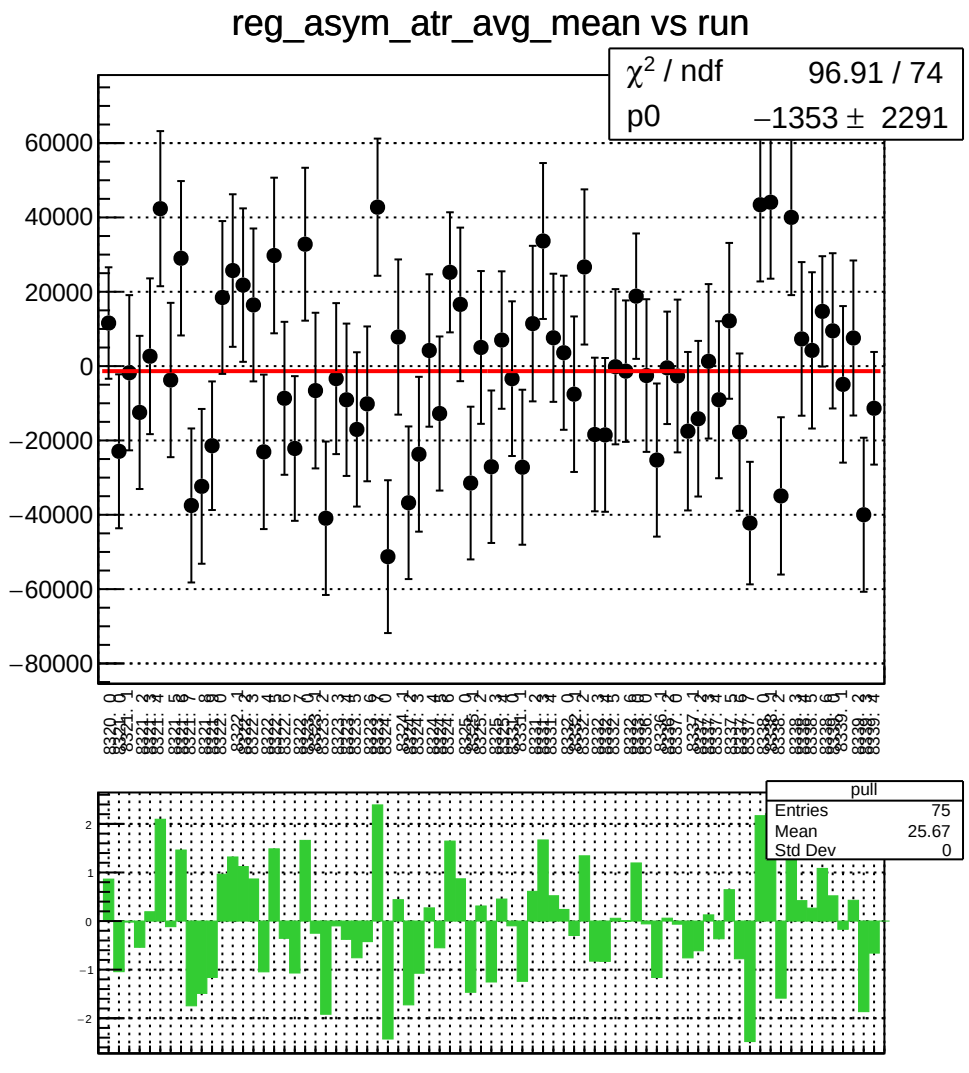

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.9 / 74
p0 0.04492 ± 0.1191
pull
Entries 75
Mean 26.01
Std Dev 0
pull1D
Entries 75
Mean −0.01674
Std Dev 1.026

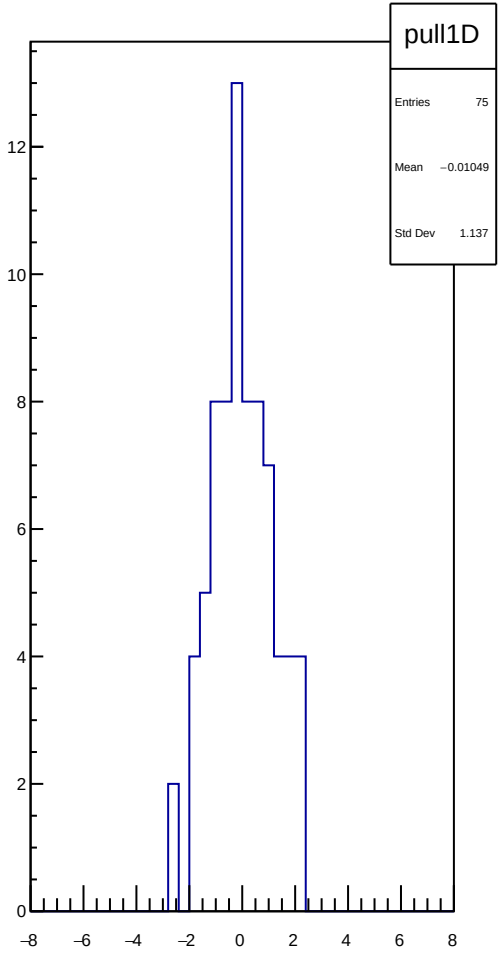

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.033e+04 / 74
p0 101 ± 0.08419
160
150
140
130
120
110
100
90
80
70

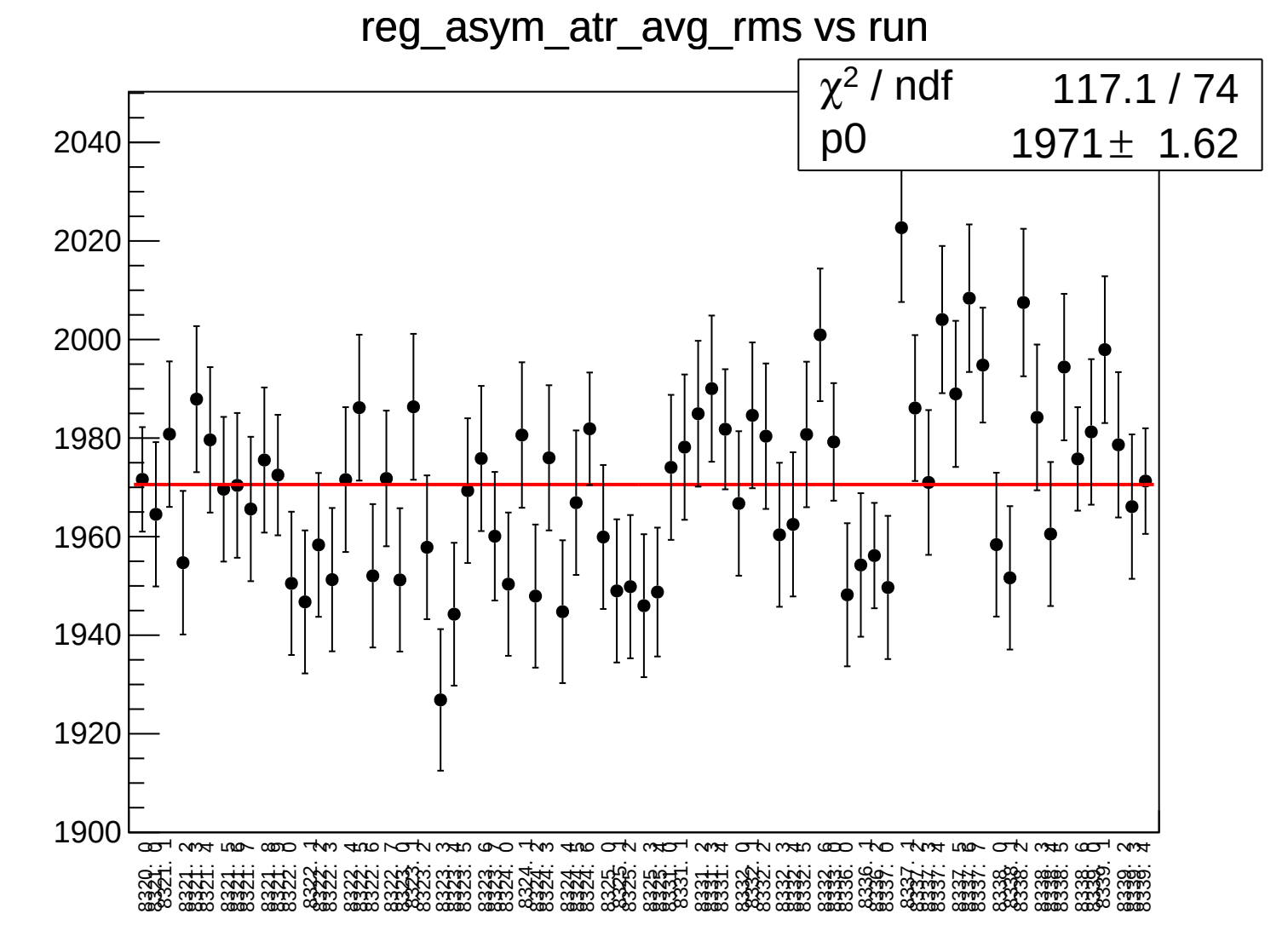

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.52 / 74
p0 2.609e−13 ± 2.766e−13
pull
Entries 75
Mean −225.7
Std Dev 0

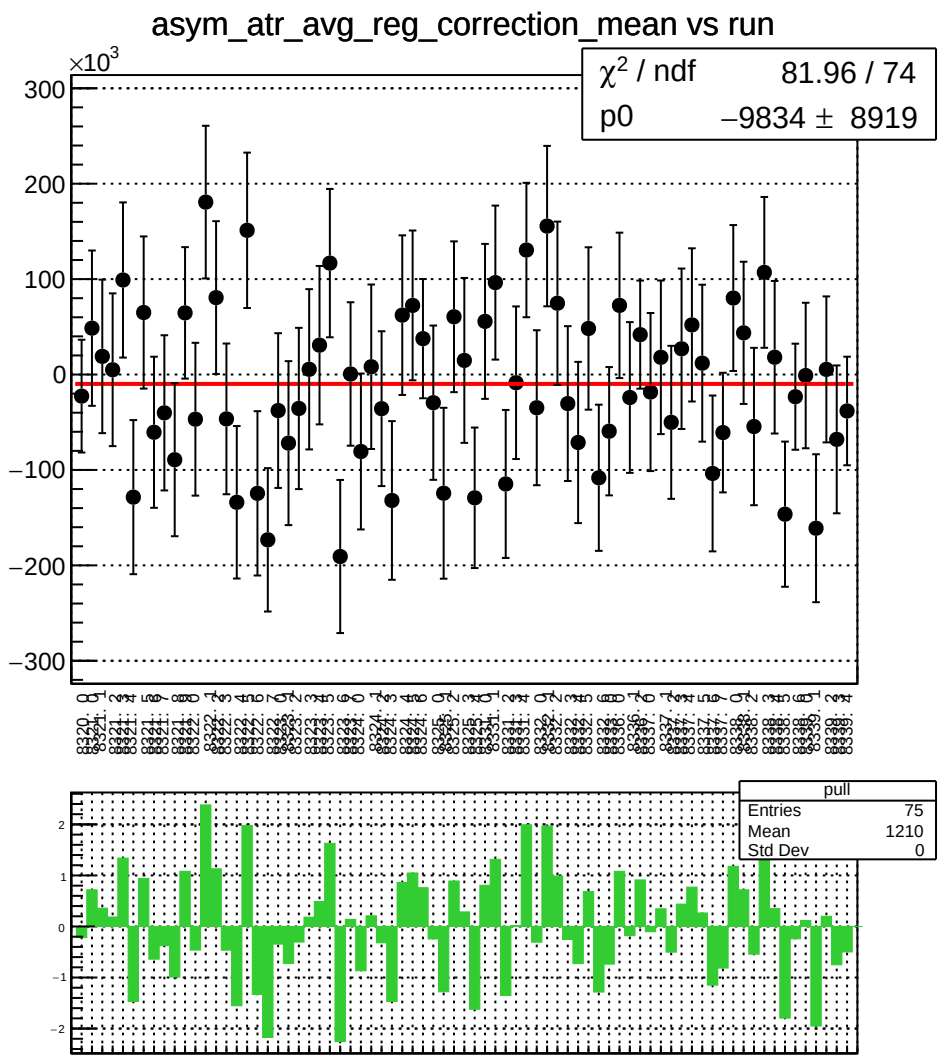

pull1D
Entries 75
Mean −0.01196
Std Dev 1.003

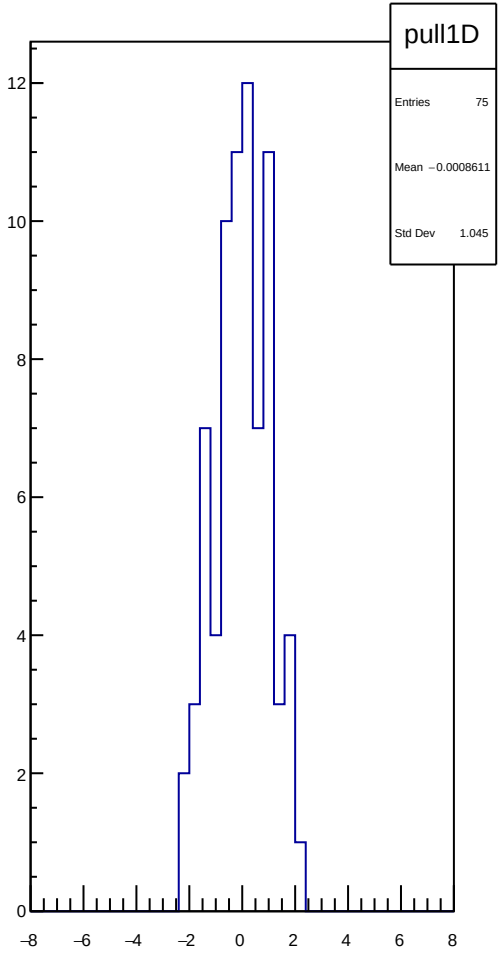

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.109e+05 / 74
p0 1.823e−10 ± 1.956e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

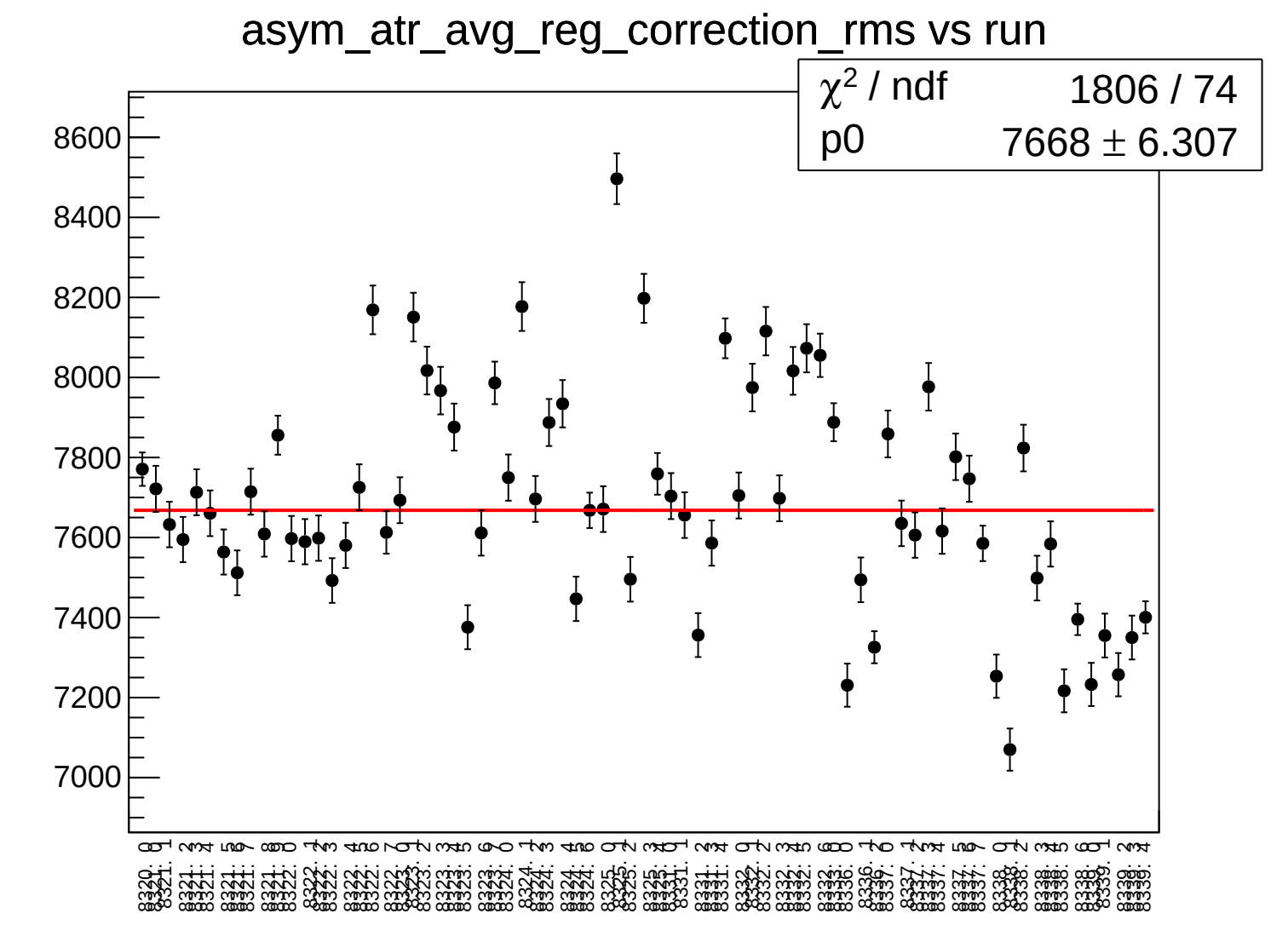

reg_asym_atr_avg_mean vs run
χ² / ndf 96.91 / 74
p0 −1353 ± 2291
pull
Entries 75
Mean 25.67
Std Dev 0

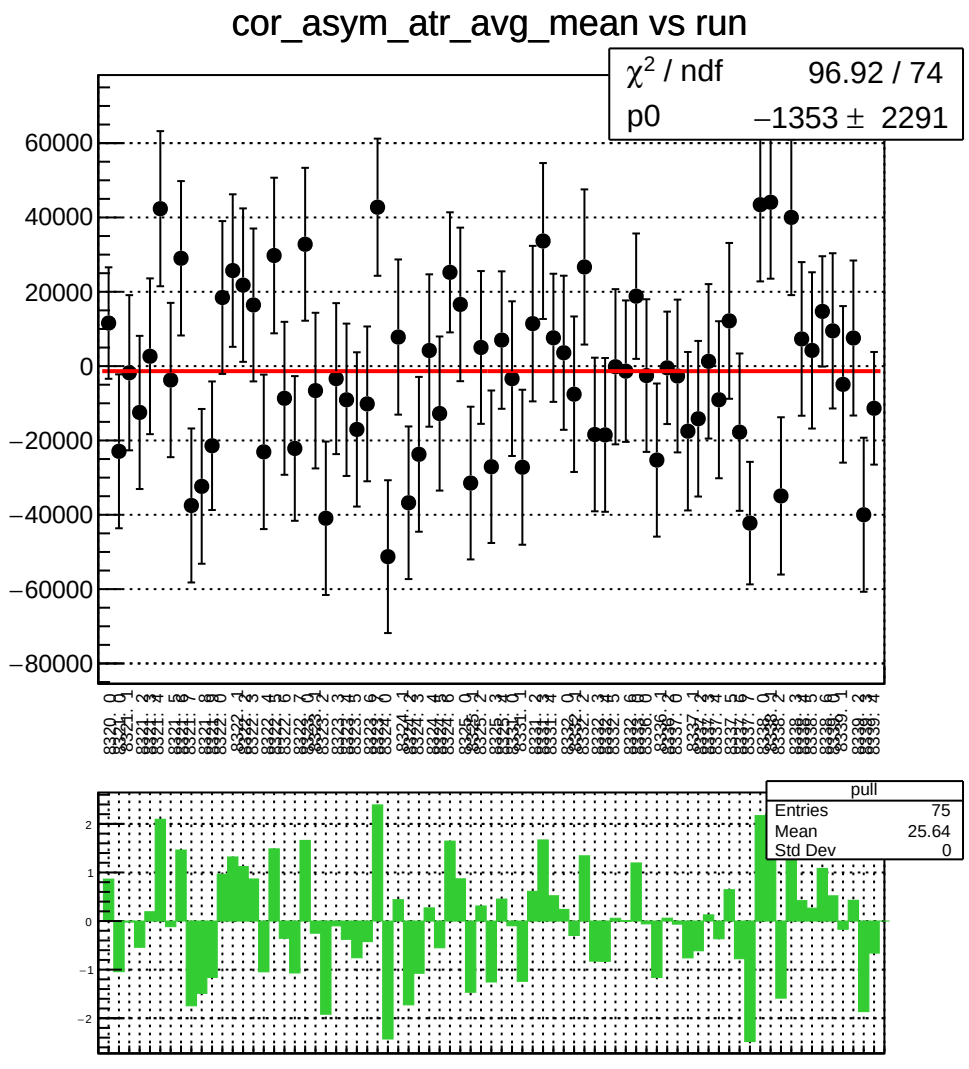

pull1D
Entries 75
Mean −0.01049
Std Dev 1.137

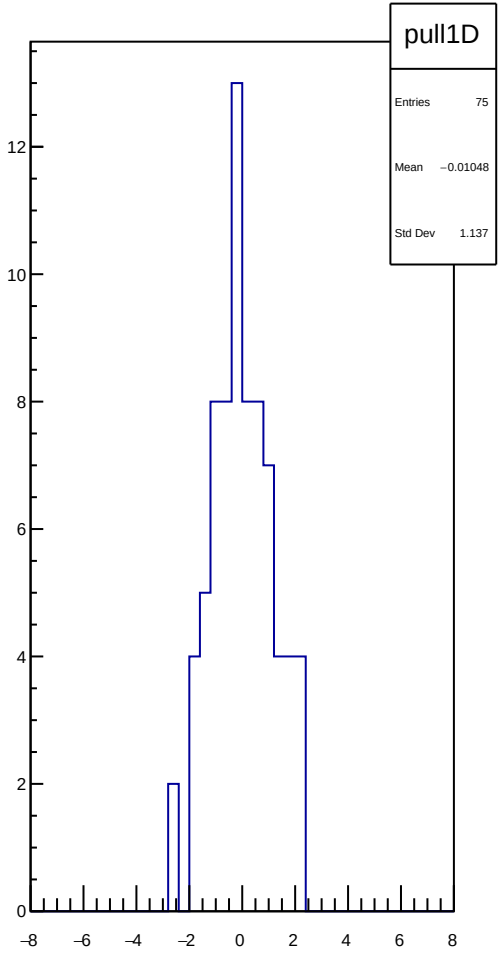

reg_asym_atr_avg_rms vs run
χ² / ndf 117.1 / 74
p0 1971 ± 1.62
2040
2020
2000
1980
1960
1940
1920
1900

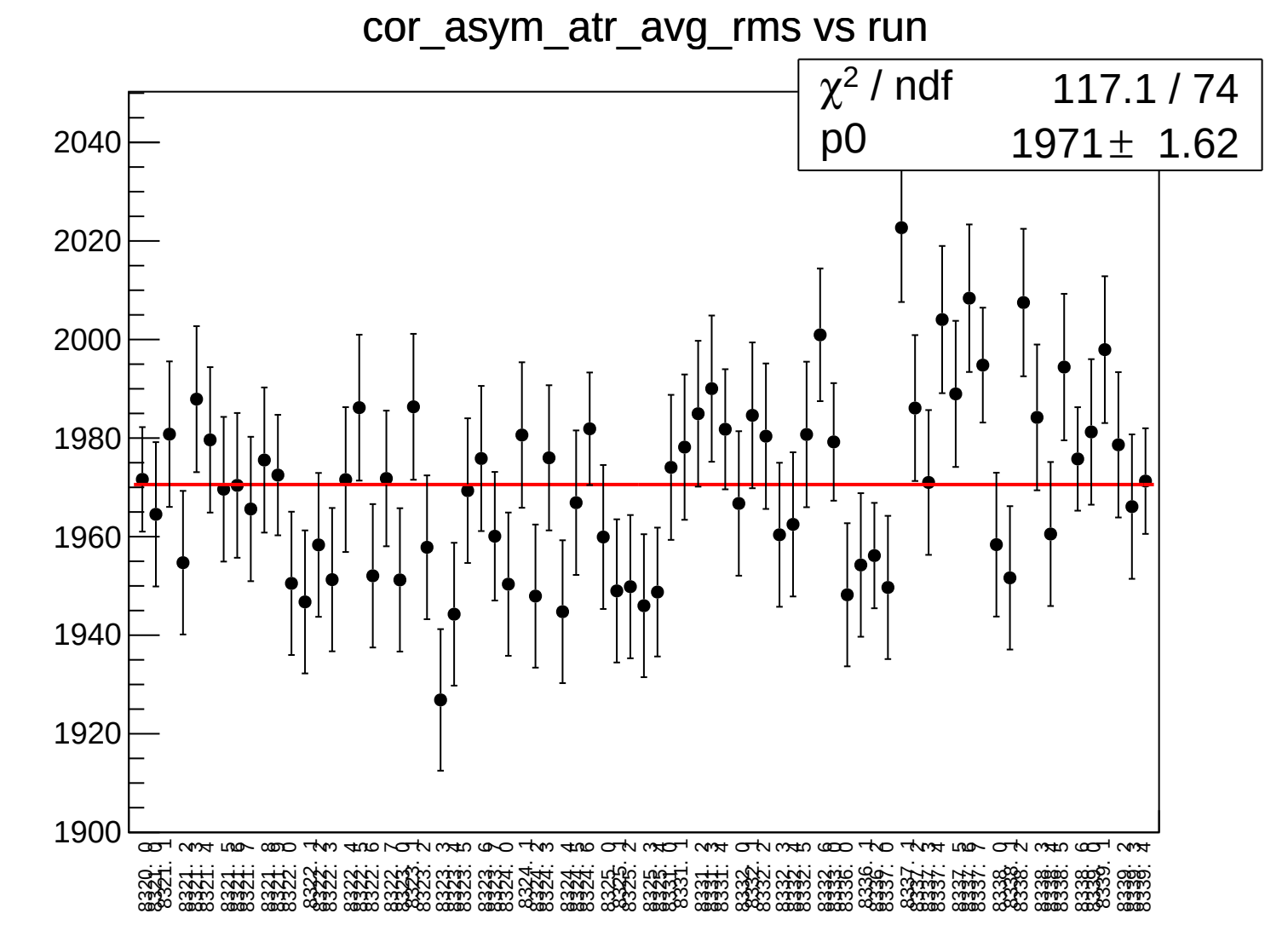

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.96 / 74
p0 −9834 ± 8919
pull
Entries 75
Mean 1210
Std Dev 0

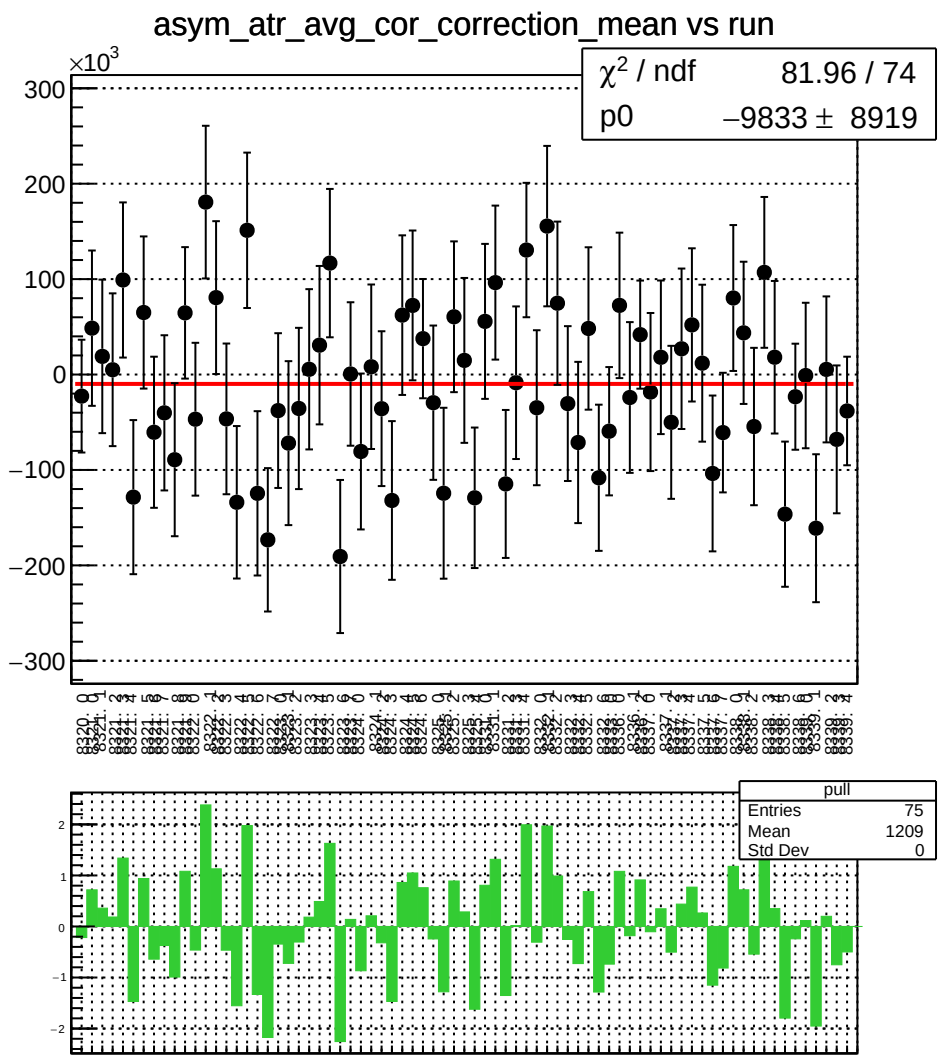

pull1D
Entries 75
Mean −0.0008611
Std Dev 1.045

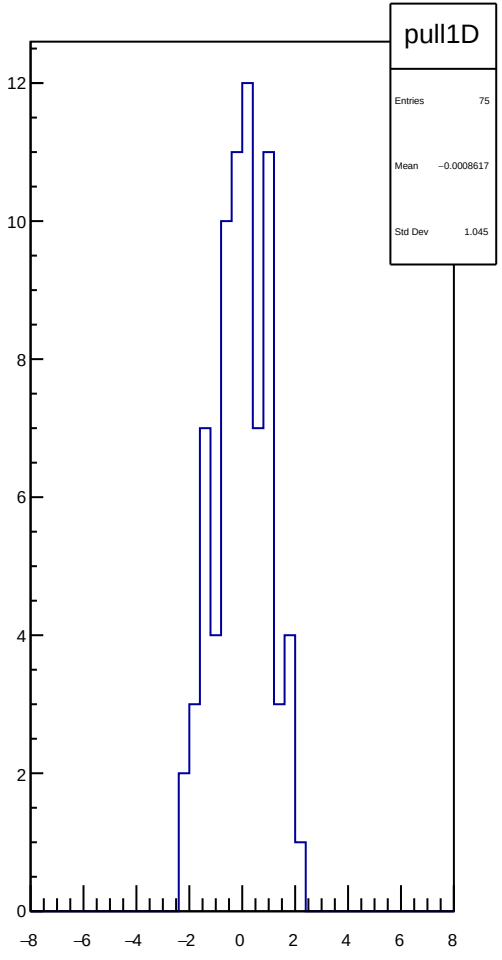

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 1806 / 74
p0 7668 ± 6.307
8600
8400
8200
8000
7800
7600
7400
7200
7000

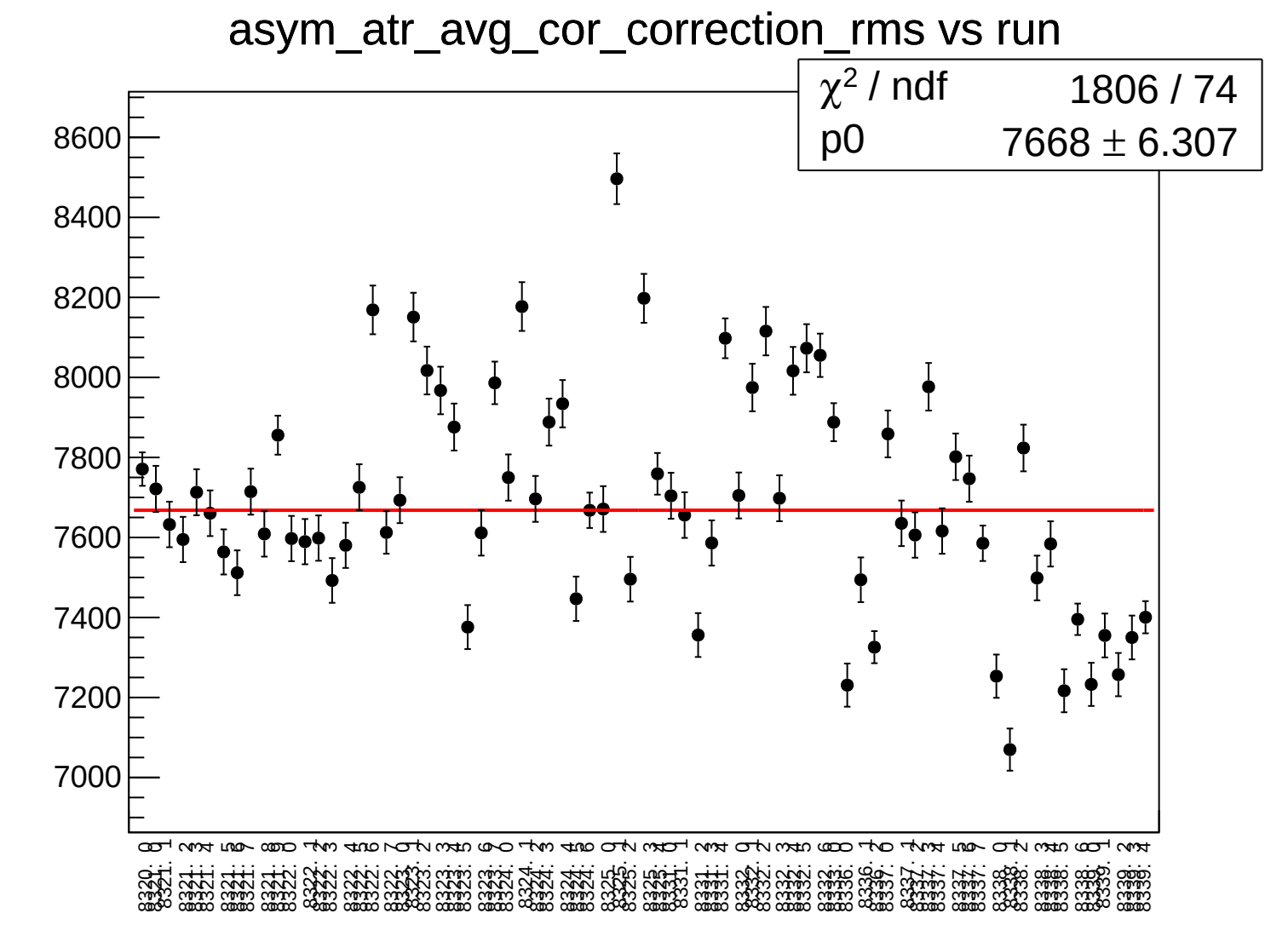

cor_asym_atr_avg_mean vs run
χ² / ndf 96.92 / 74
p0 −1353 ± 2291
pull
Entries 75
Mean 25.64
Std Dev 0

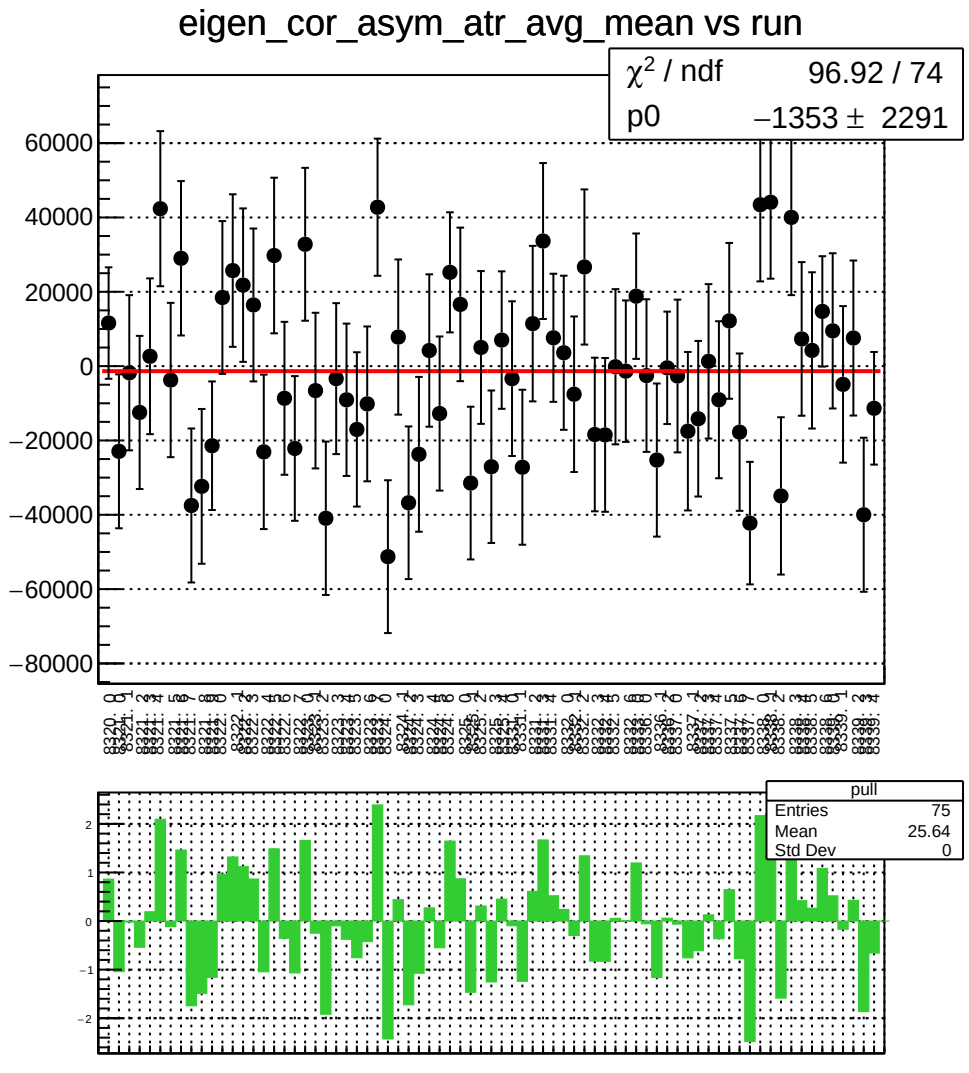

pull1D
Entries 75
Mean −0.01048
Std Dev 1.137

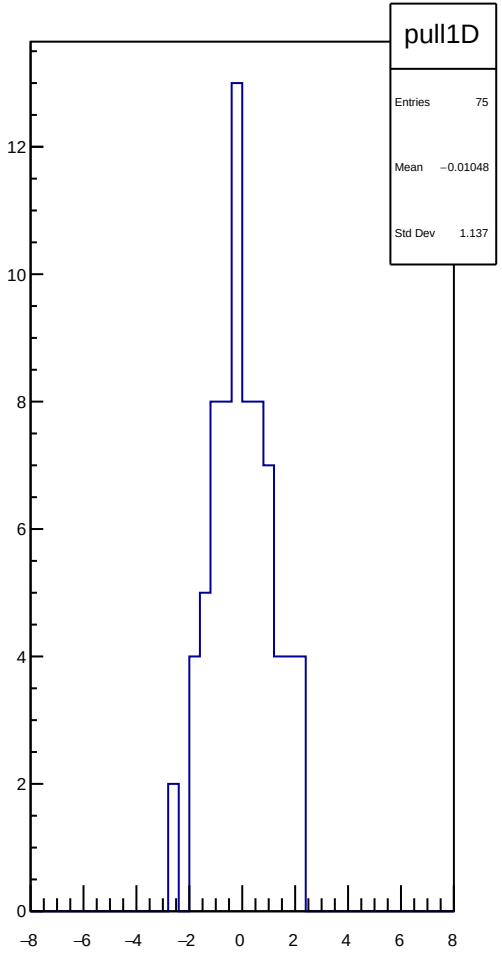

cor_asym_atr_avg_rms vs run
χ² / ndf 117.1 / 74
p0 1971 ± 1.62
2040
2020
2000
1980
1960
1940
1920
1900

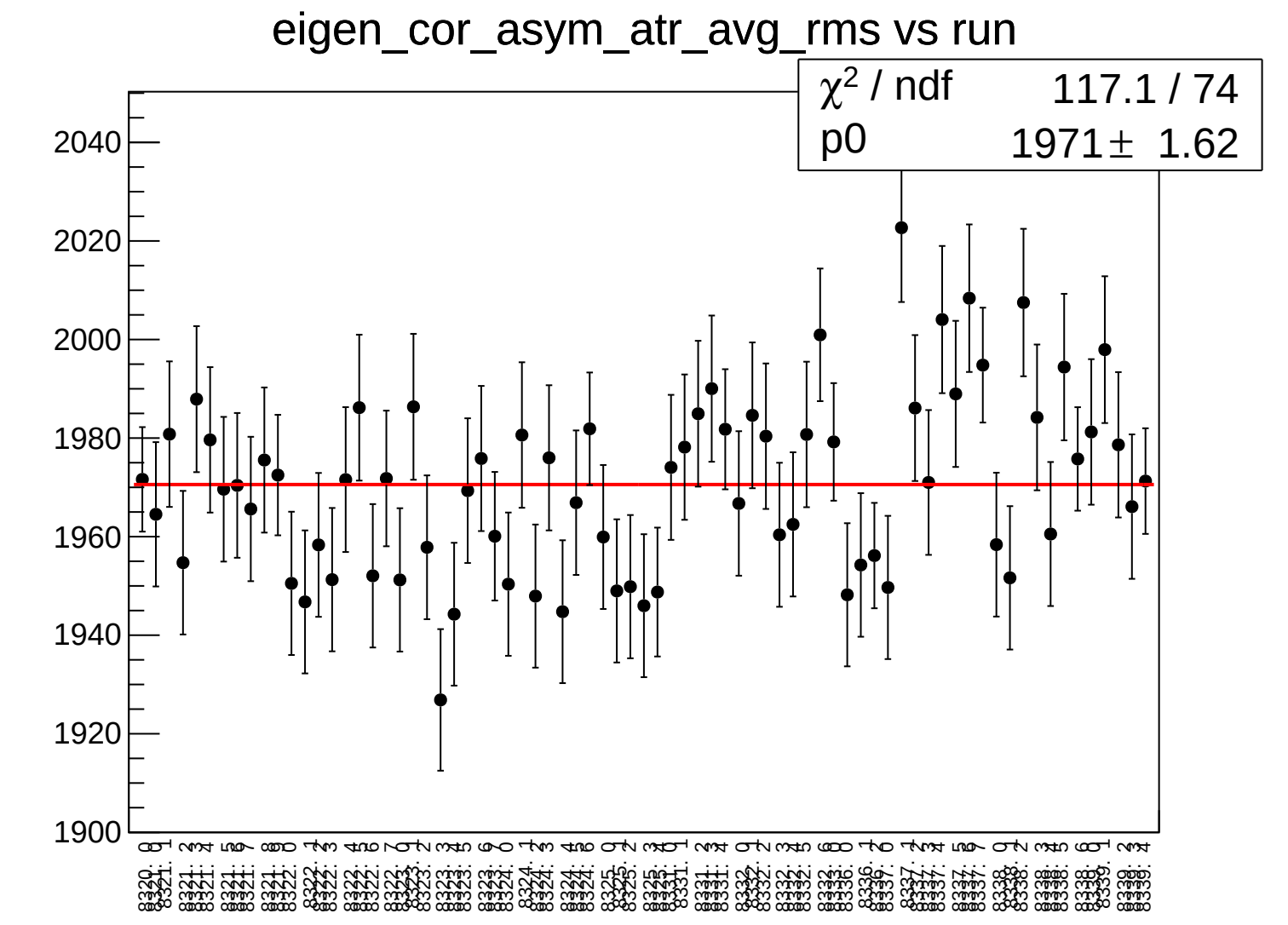

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.96 / 74
p0 −9833 ± 8919
pull
Entries 75
Mean 1209
Std Dev 0


pull1D
Entries 75
Mean −0.0008617
Std Dev 1.045

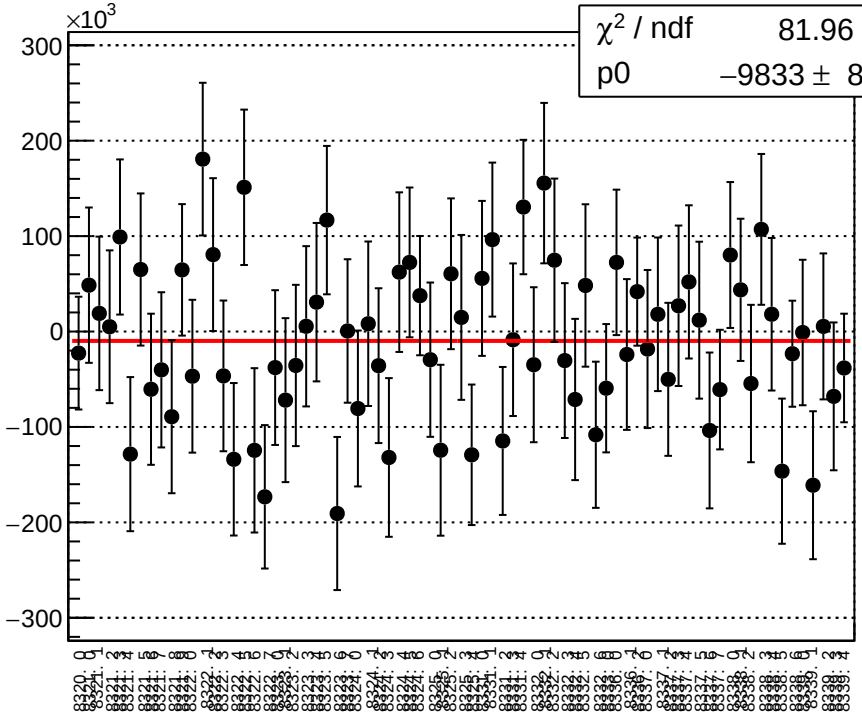

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1806 / 74
p0 7668 ± 6.307
8600
8400
8200
8000
7800
7600
7400
7200
7000

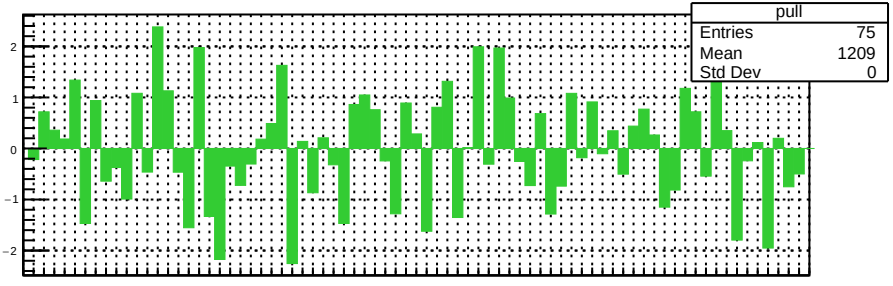

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 96.92 / 74
p0 −1353 ± 2291
pull
Entries 75
Mean 25.64
Std Dev 0

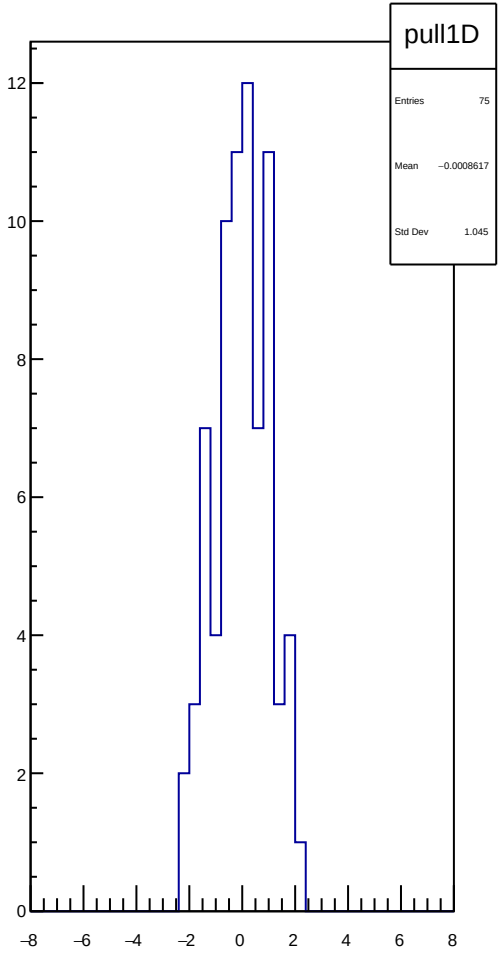

pull1D
Entries 75
Mean −0.01048
Std Dev 1.137

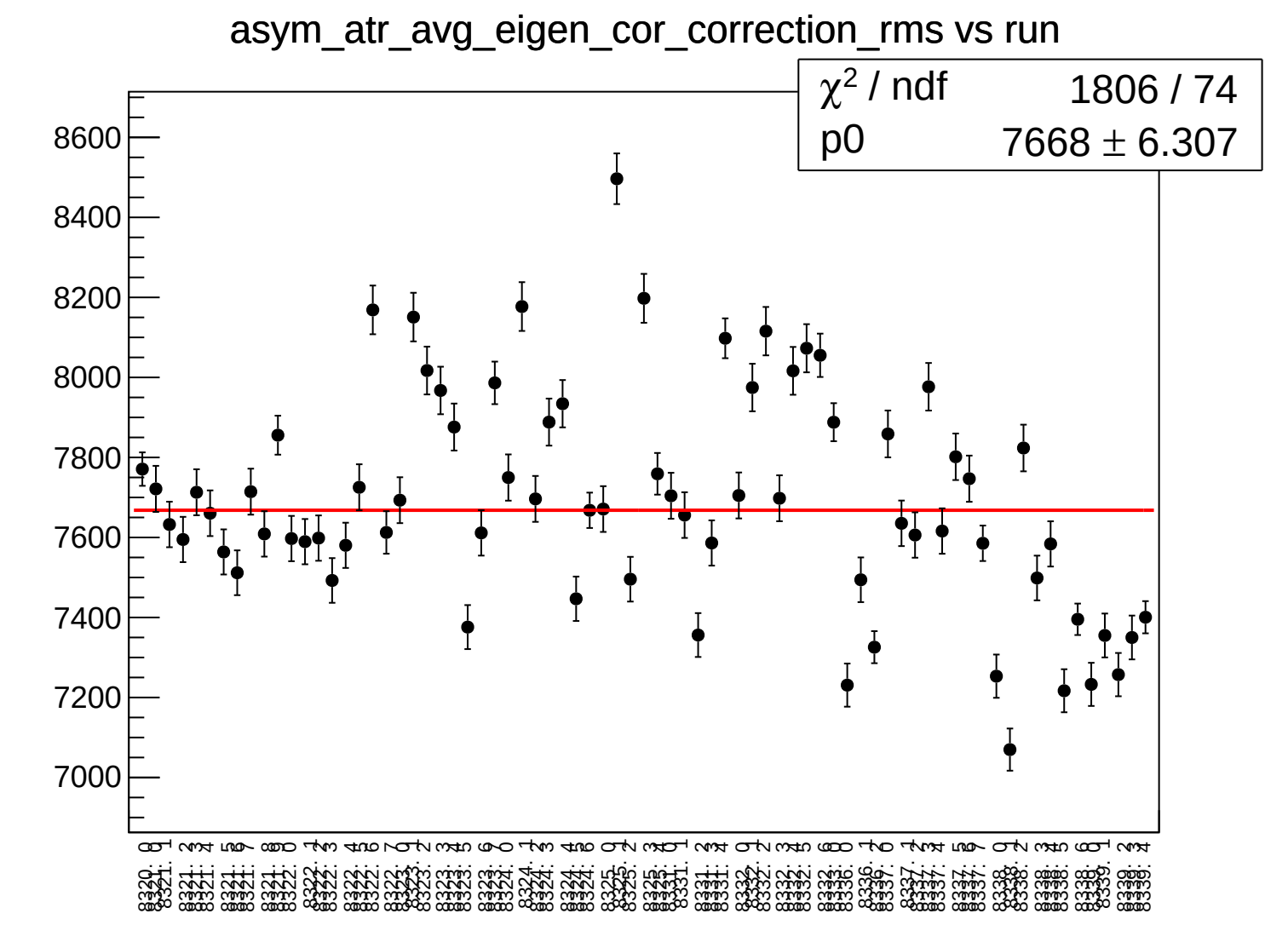

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 117.1 / 74
p0 1971 ± 1.62
2040
2020
2000
1980
1960
1940
1920
1900

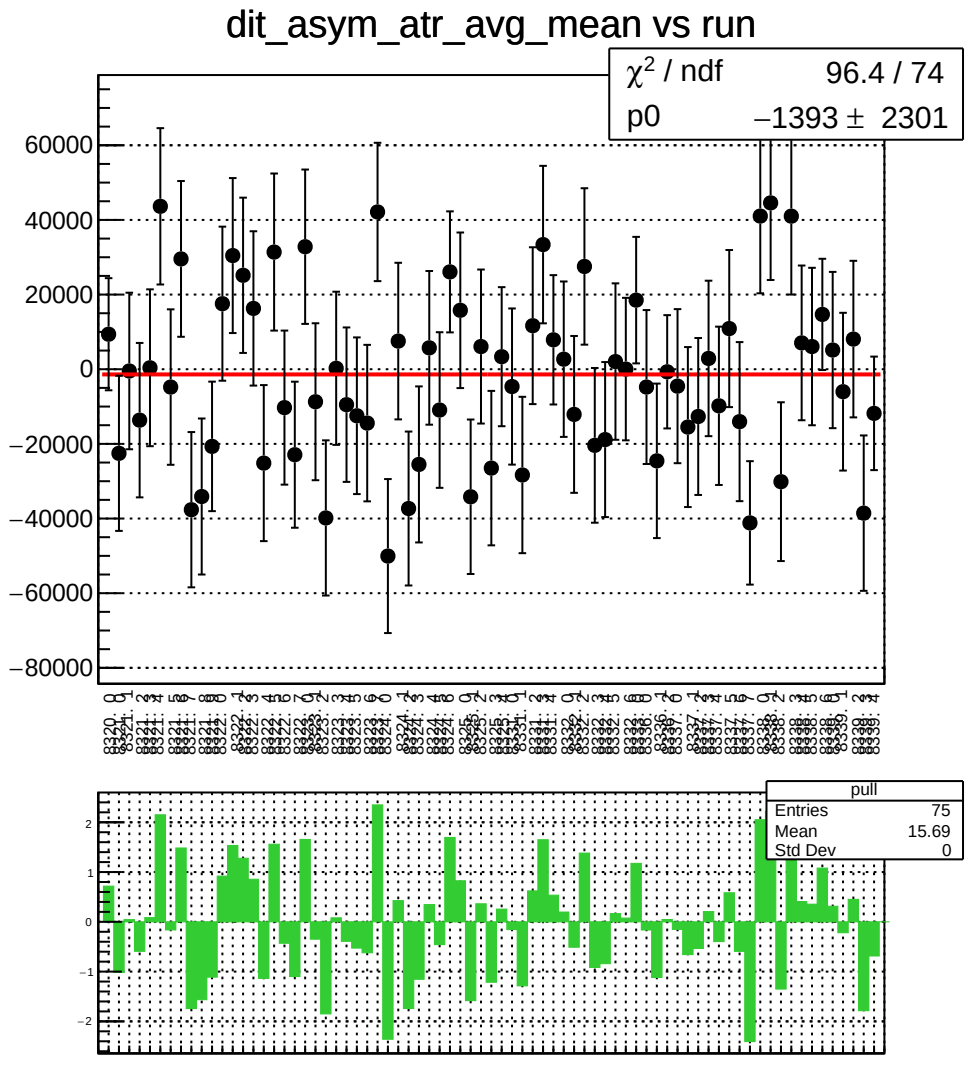
asym_atr_avg_eigen_cor_correction_mean vs run

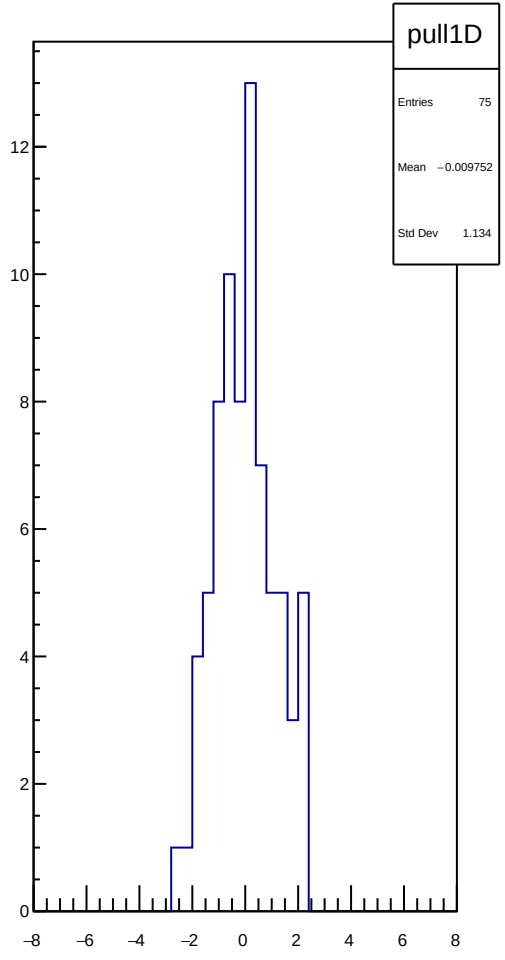


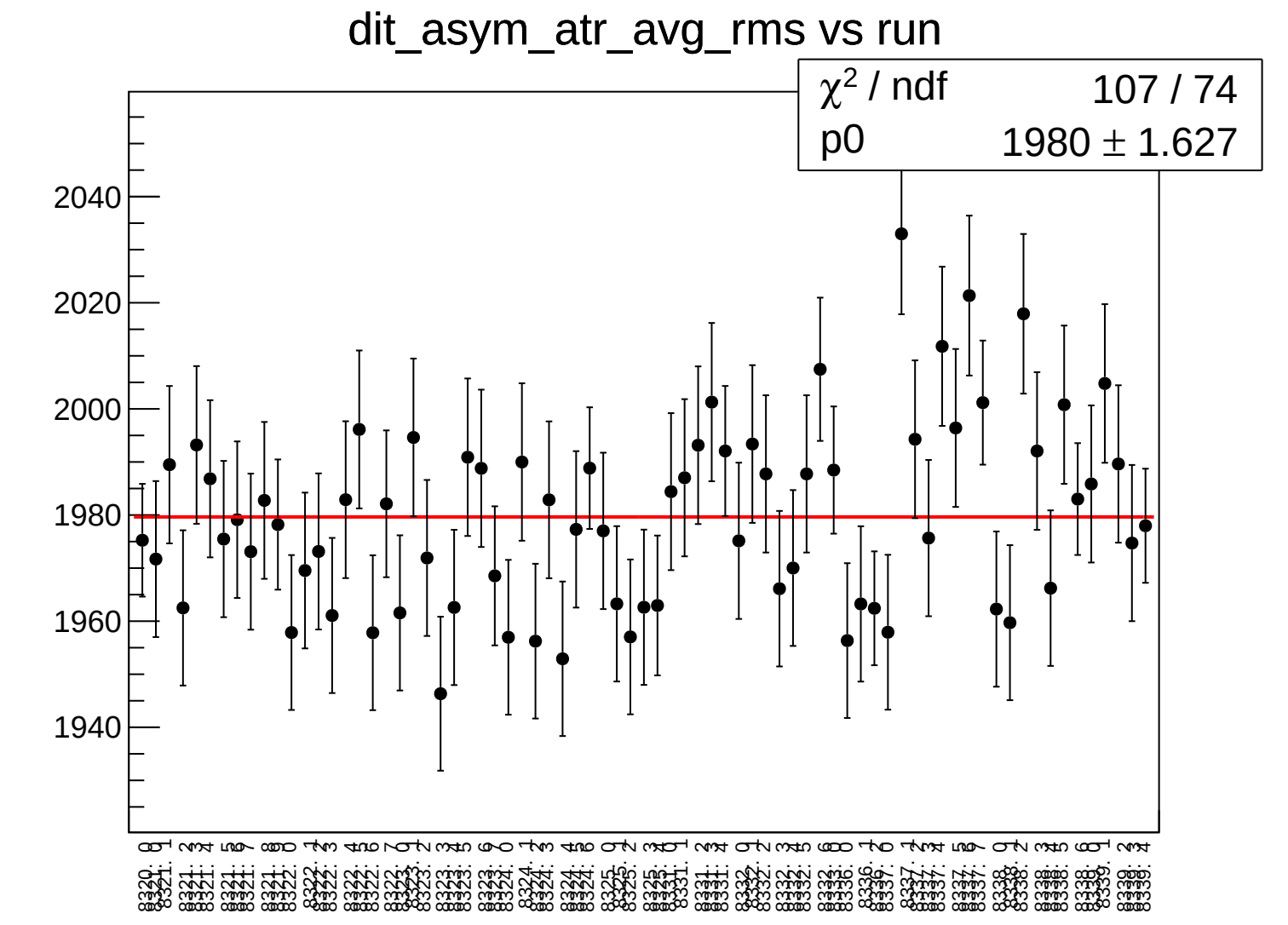


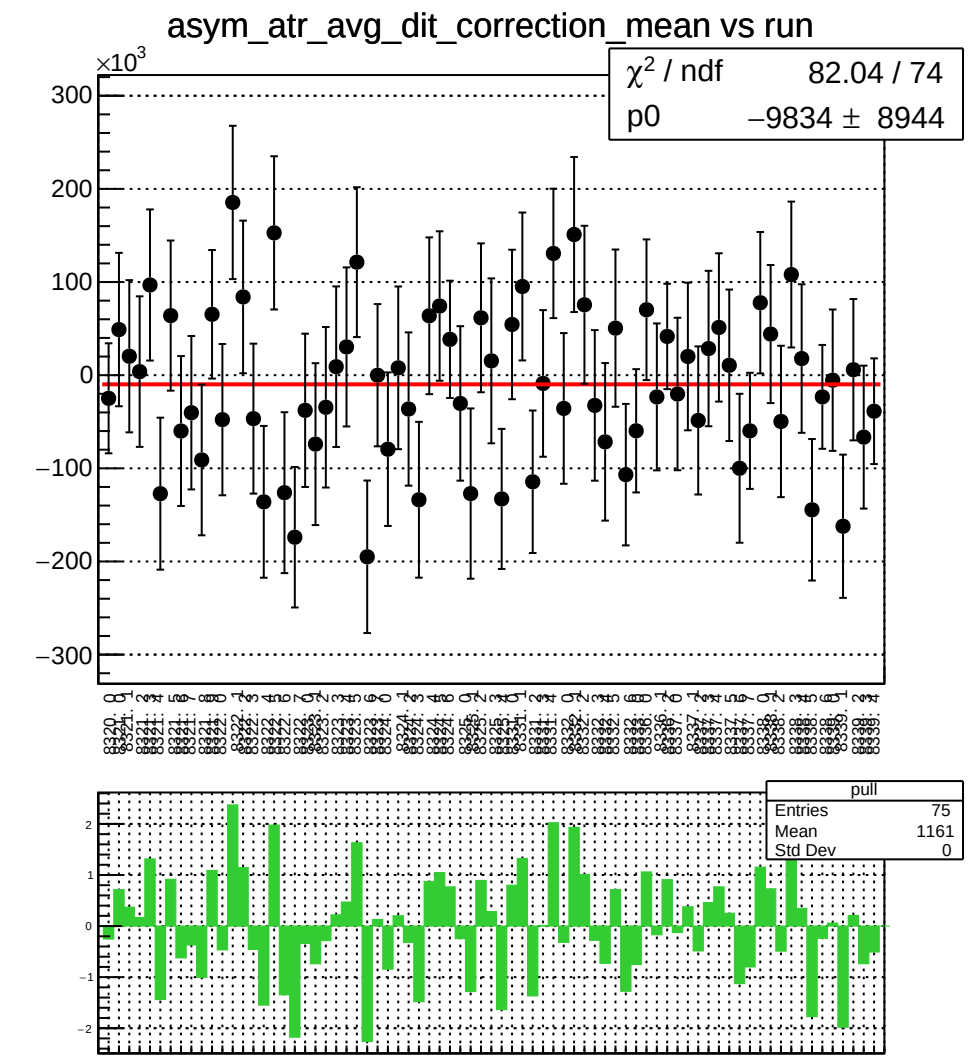


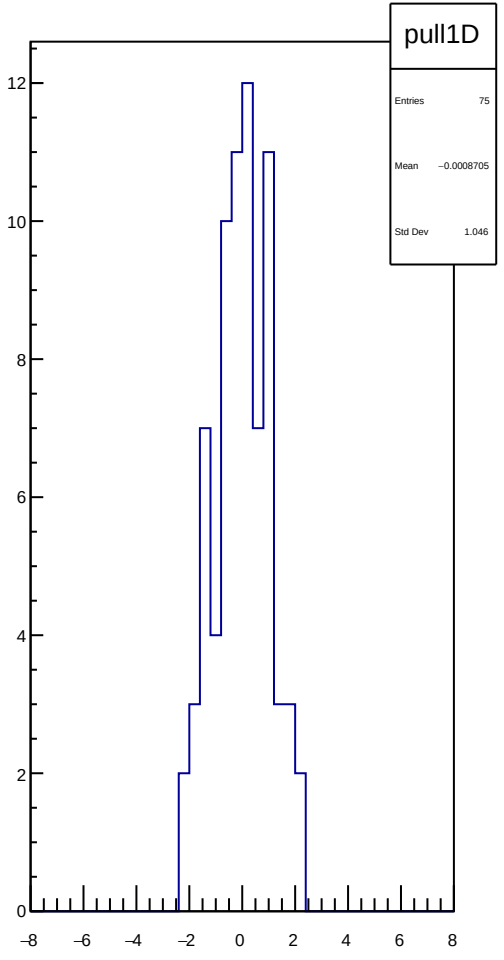

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1806 / 74
p0 7668 ± 6.307
8600
8400
8200
8000
7800
7600
7400
7200
7000

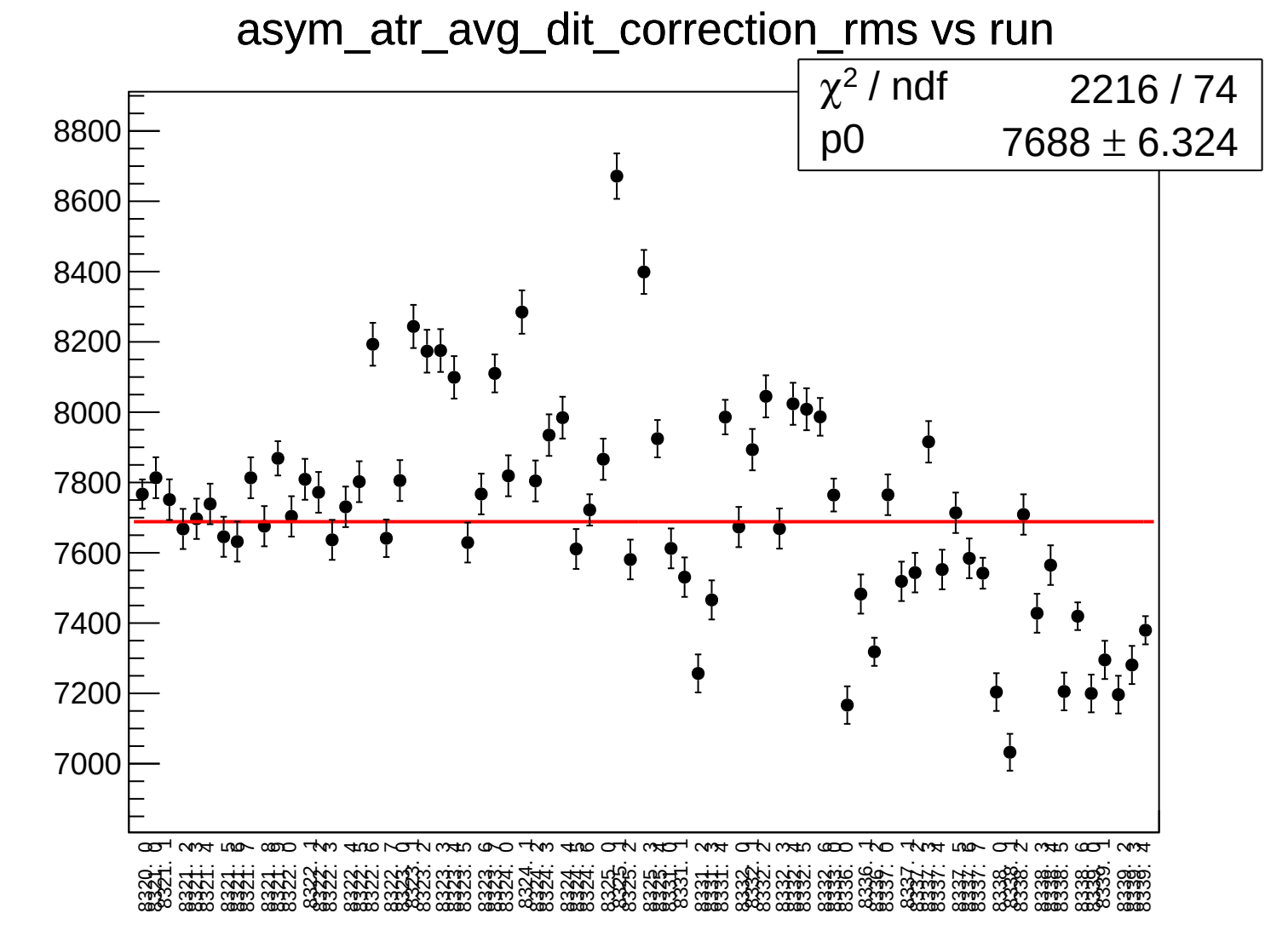

dit_asym_atr_avg_mean vs run
χ² / ndf 96.4 / 74
p0 −1393 ± 2301
pull
Entries 75
Mean 15.69
Std Dev 0

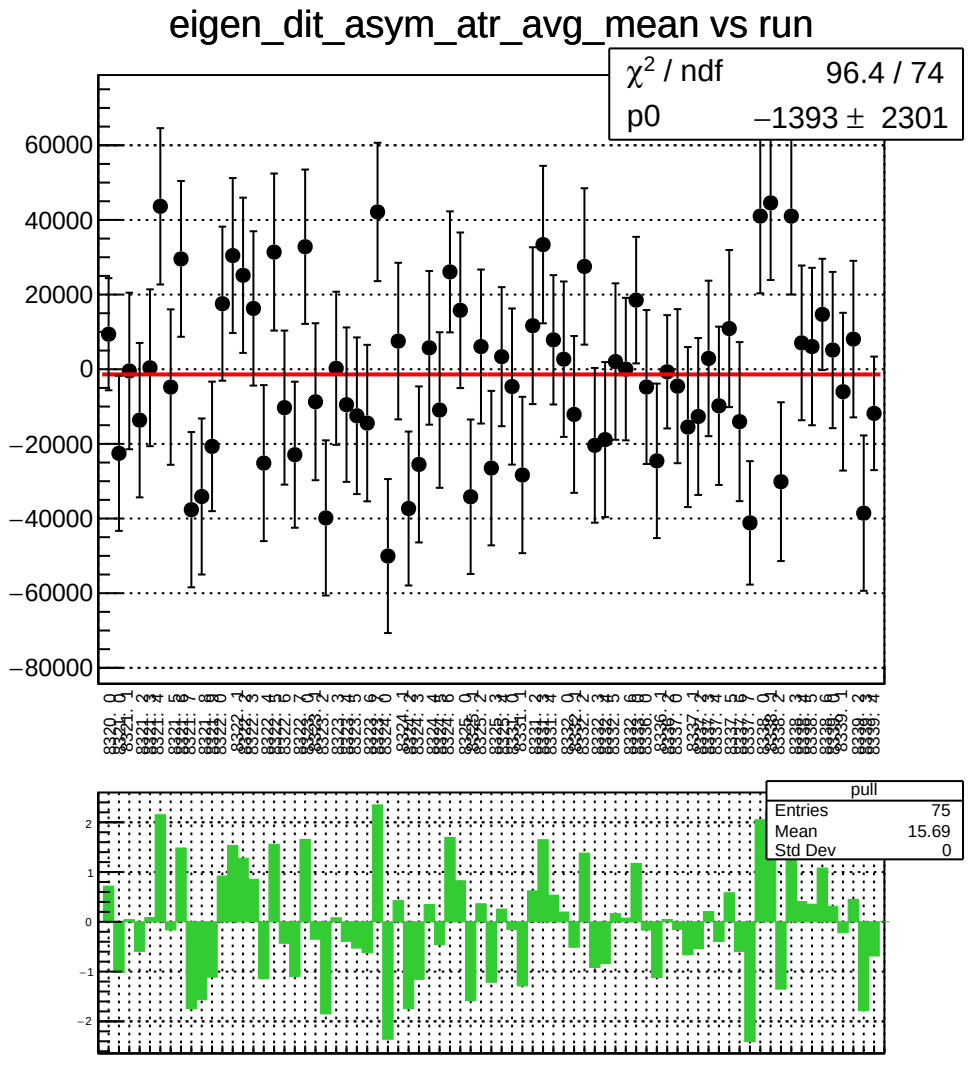

pull1D
Entries 75
Mean −0.009752
Std Dev 1.134

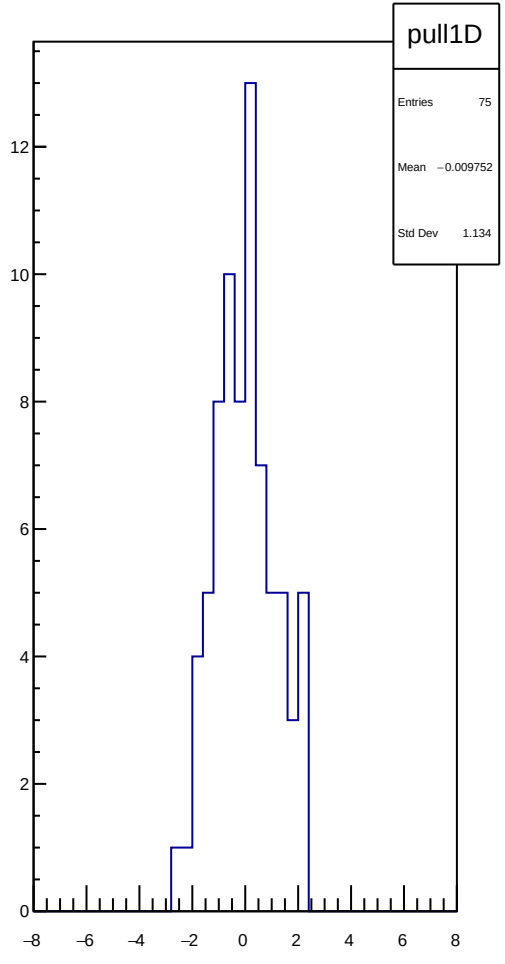

dit_asym_atr_avg_rms vs run
χ² / ndf 107 / 74
p0 1980 ± 1.627
2040
2020
2000
1980
1960
1940

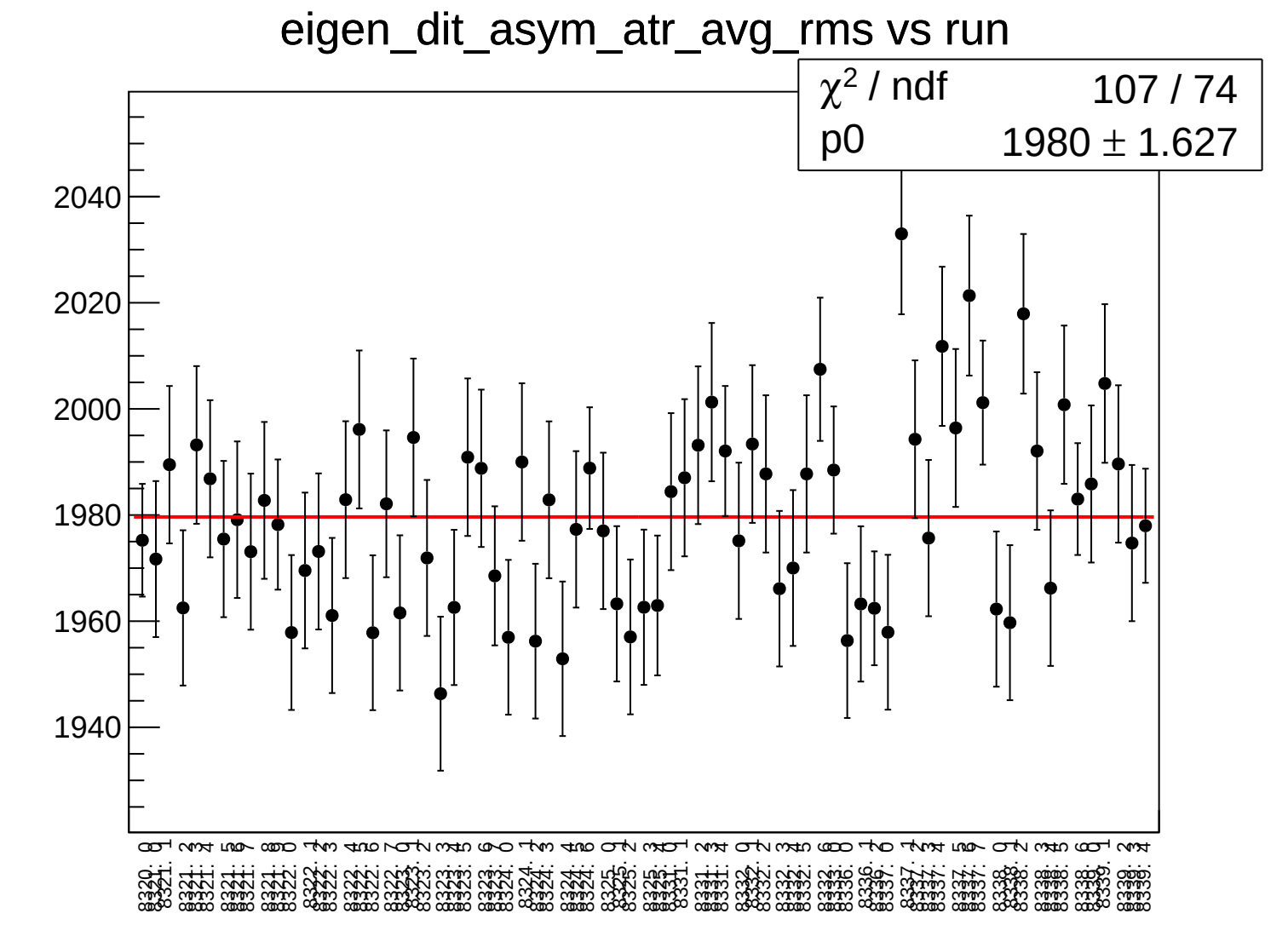

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 82.04 / 74
p0 −9834 ± 8944
pull
Entries 75
Mean 1161
Std Dev 0

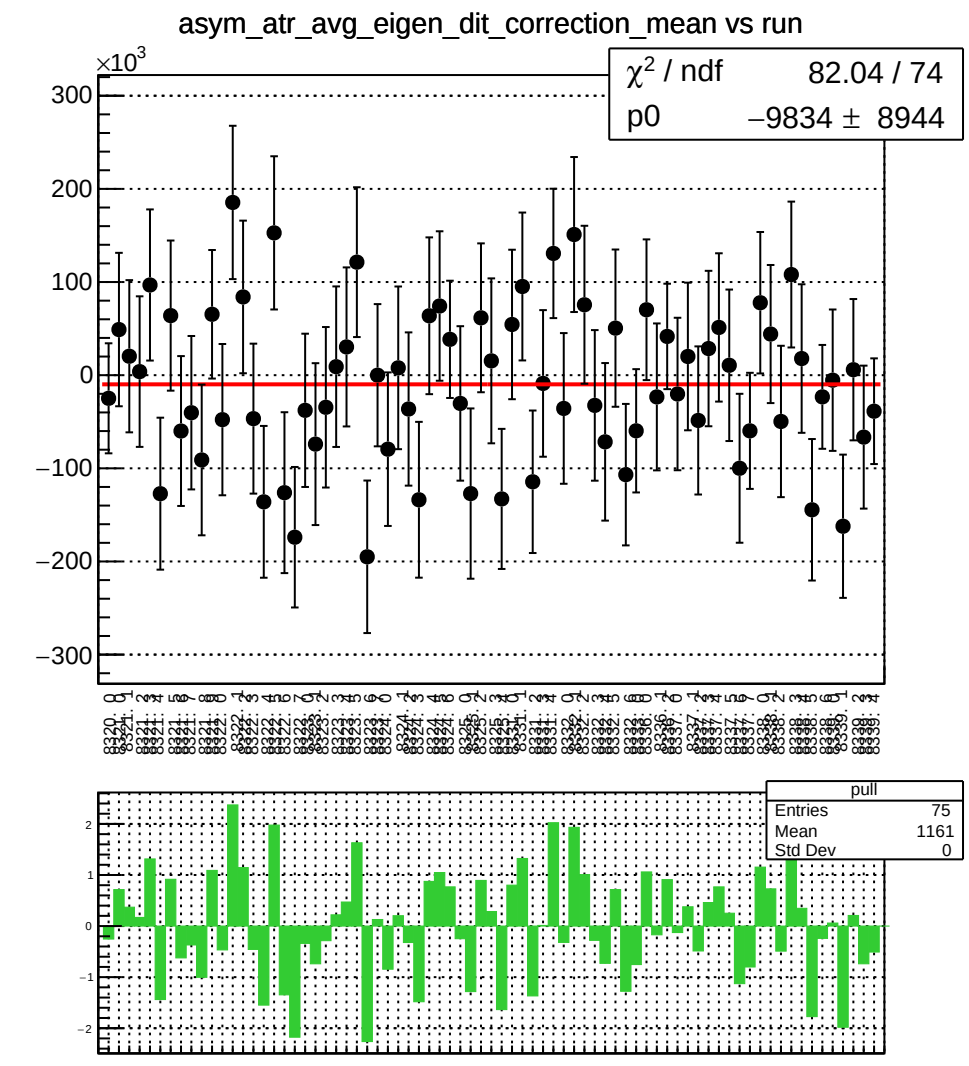

pull1D
Entries 75
Mean −0.0008705
Std Dev 1.046

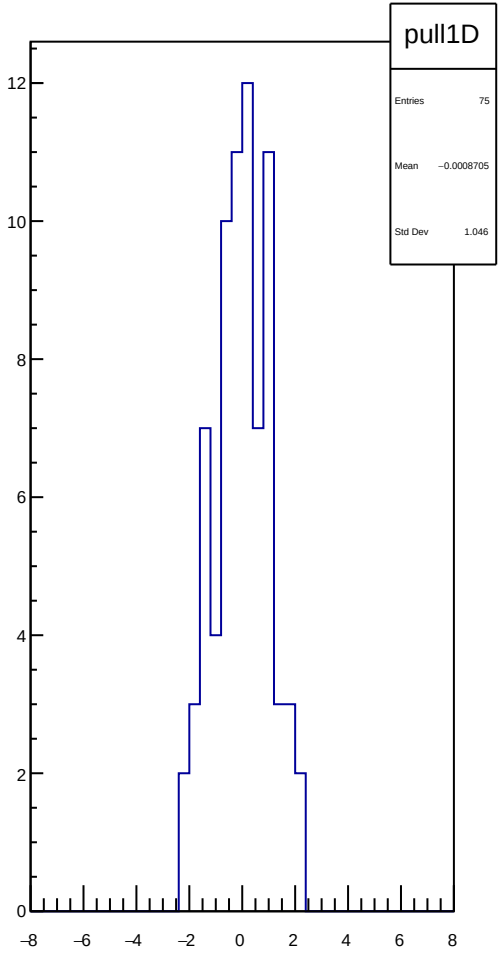

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 2216 / 74
p0 7688 ± 6.324
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

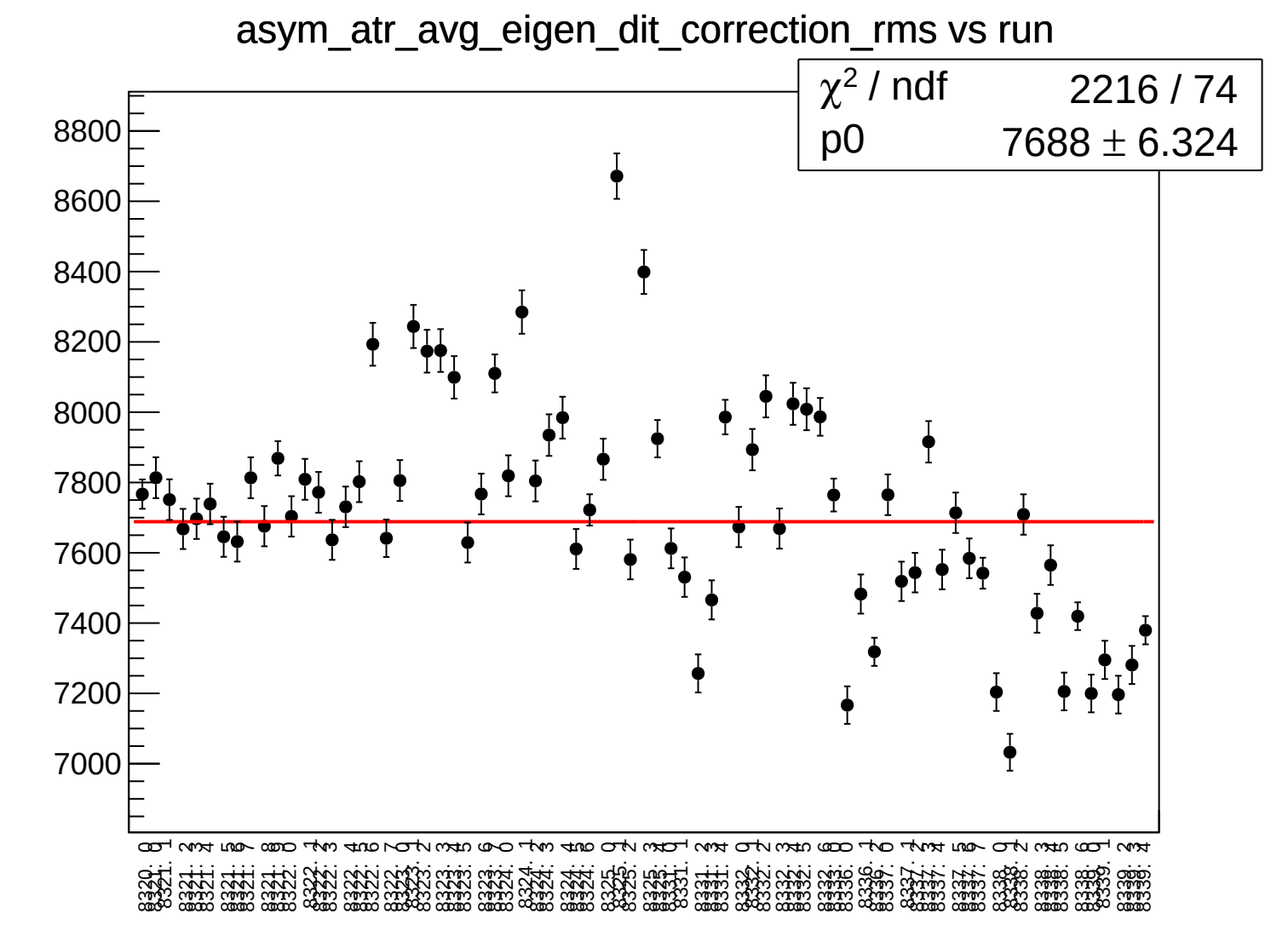

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 96.4 / 74
p0 −1393 ± 2301
pull
Entries 75
Mean 15.69
Std Dev 0

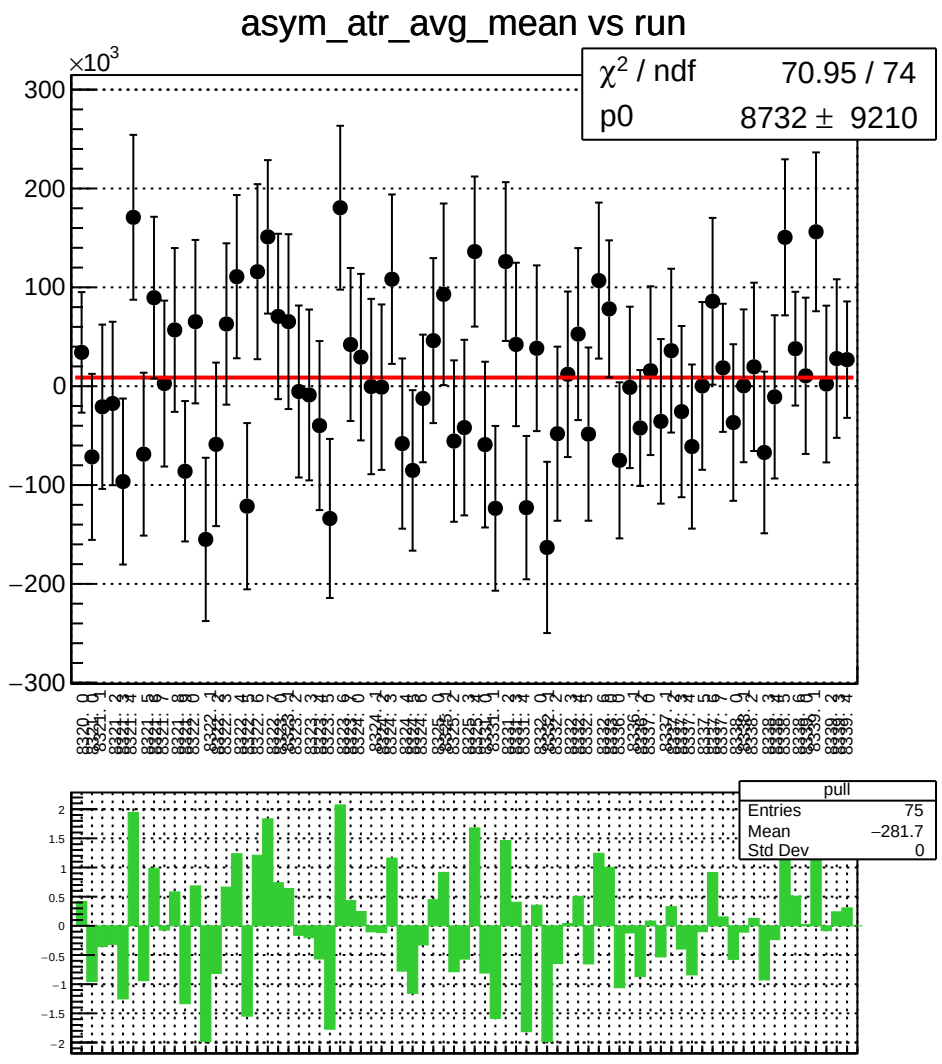

pull1D
Entries 75
Mean −0.009752
Std Dev 1.134

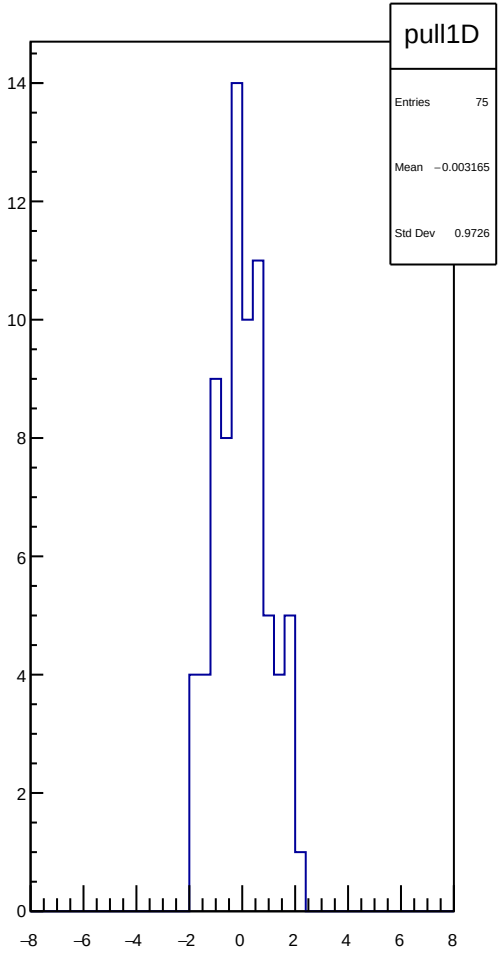

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 107 / 74
p0 1980 ± 1.627
2040
2020
2000
1980
1960
1940

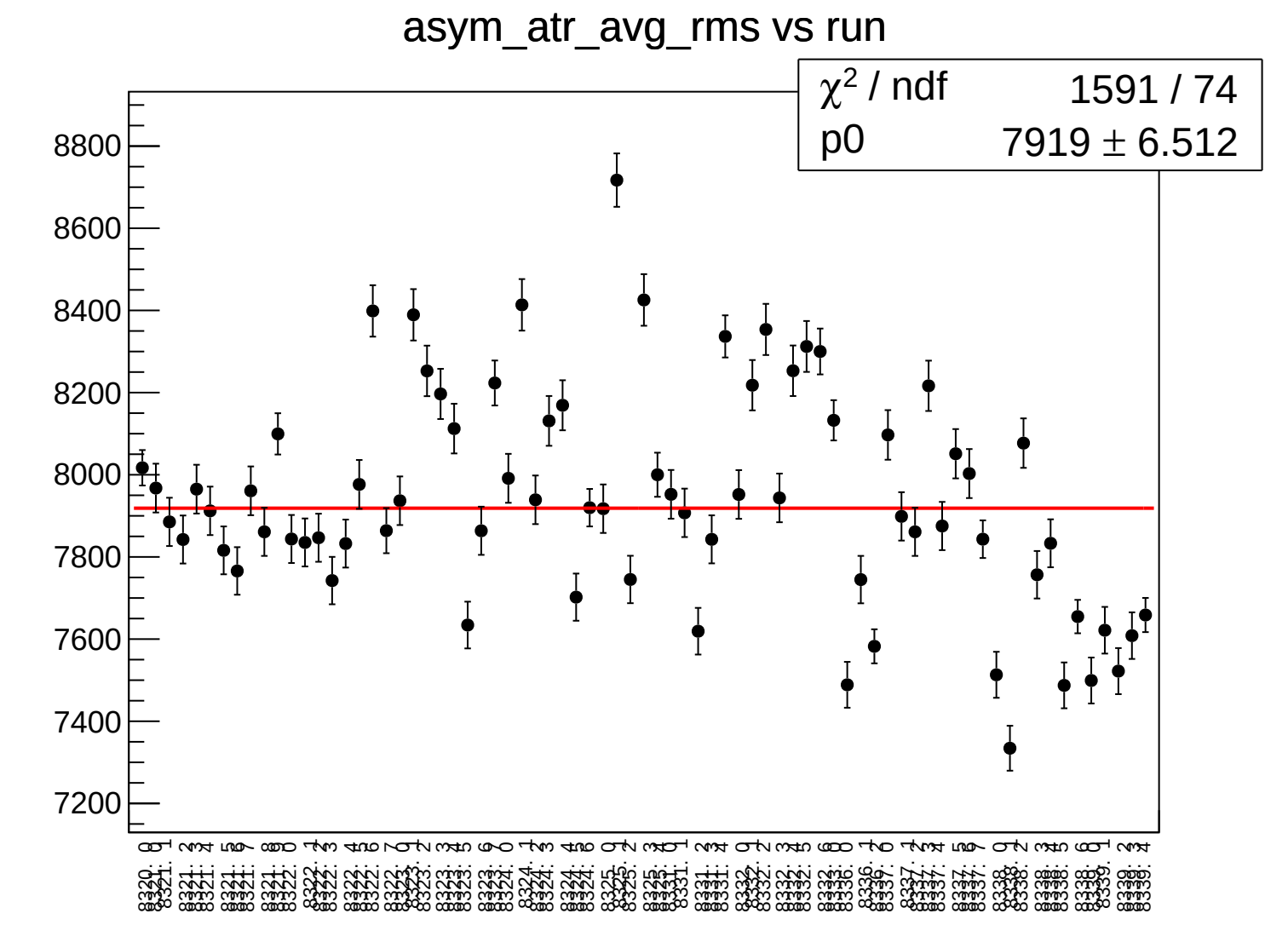

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.04 / 74
p0 −9834 ± 8944
pull
Entries 75
Mean 1161
Std Dev 0

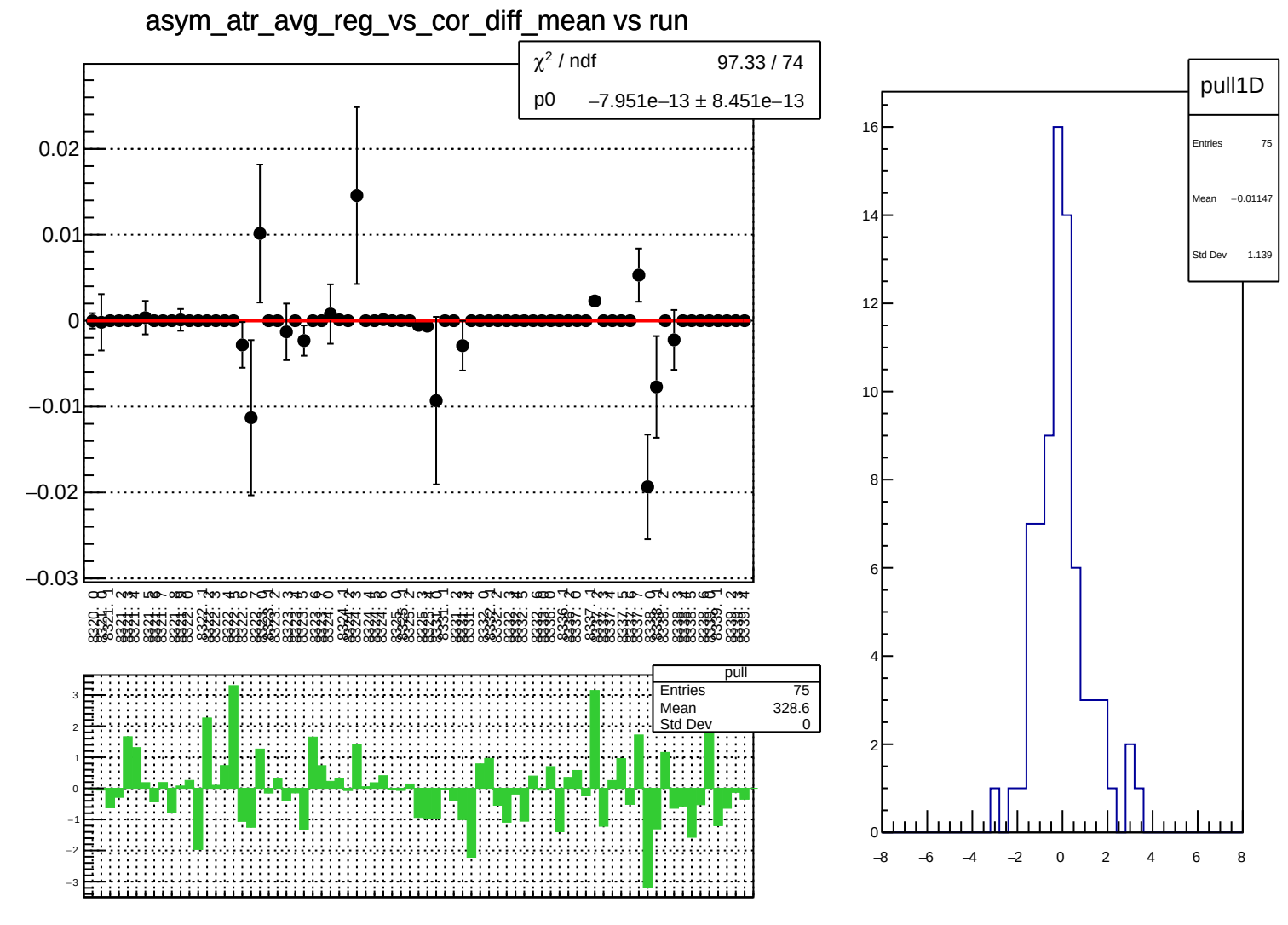

pull1D
Entries 75
Mean −0.0008705
Std Dev 1.046

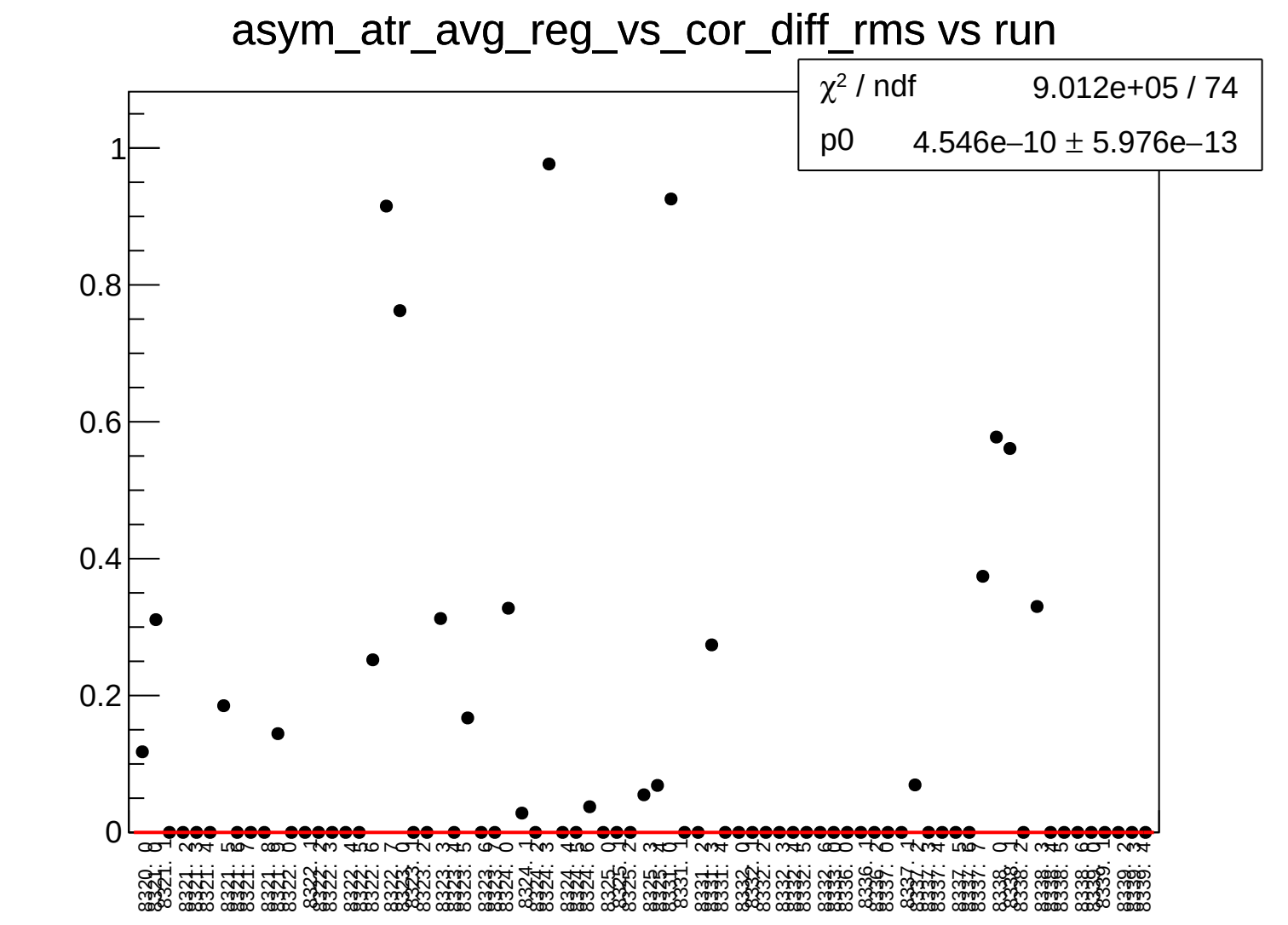

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 2216 / 74
p0 7688 ± 6.324
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

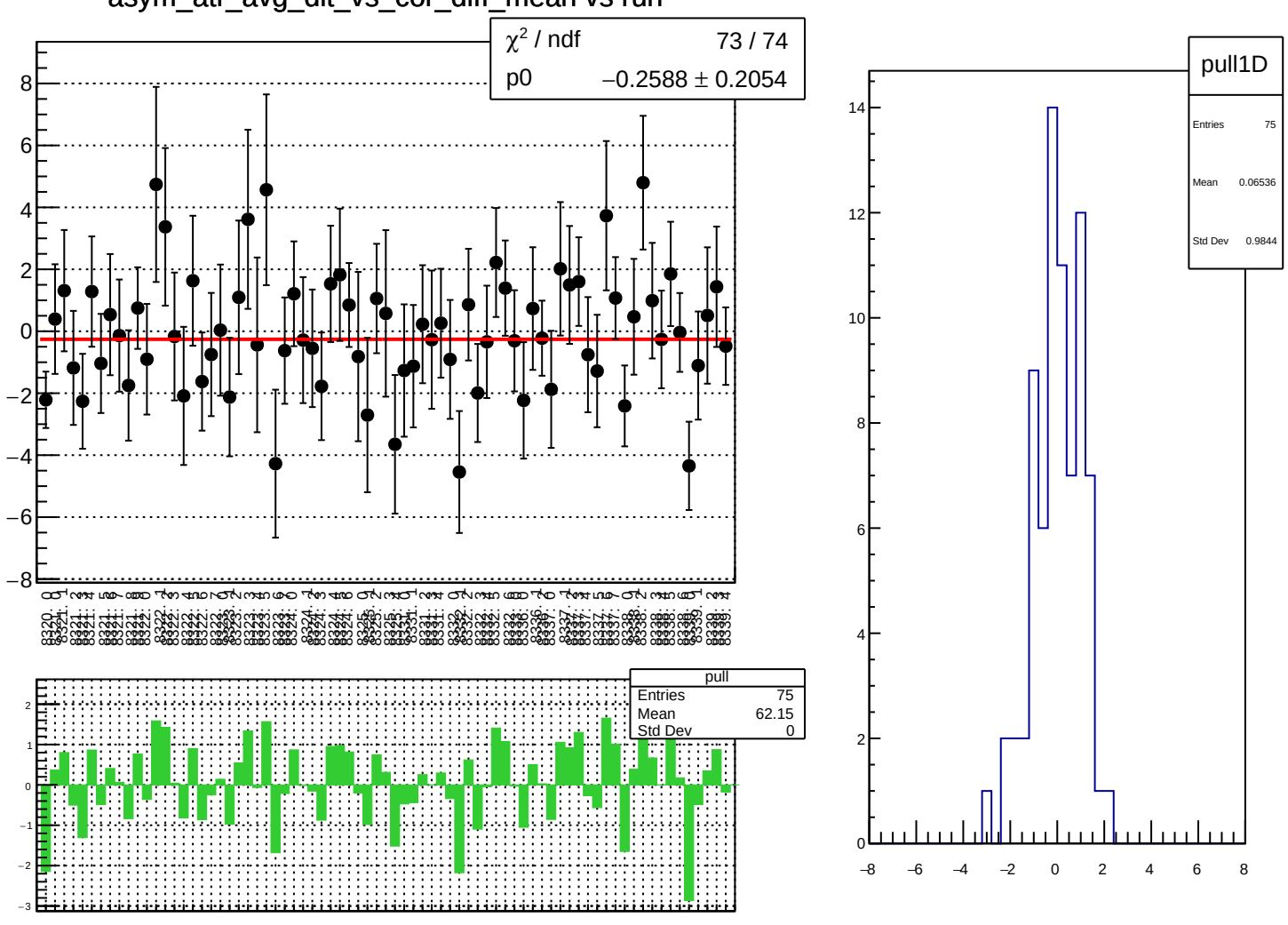

asym_atr_avg_mean vs run
×10^3
χ² / ndf 70.95 / 74
p0 8732 ± 9210
pull
Entries 75
Mean −281.7
Std Dev 0

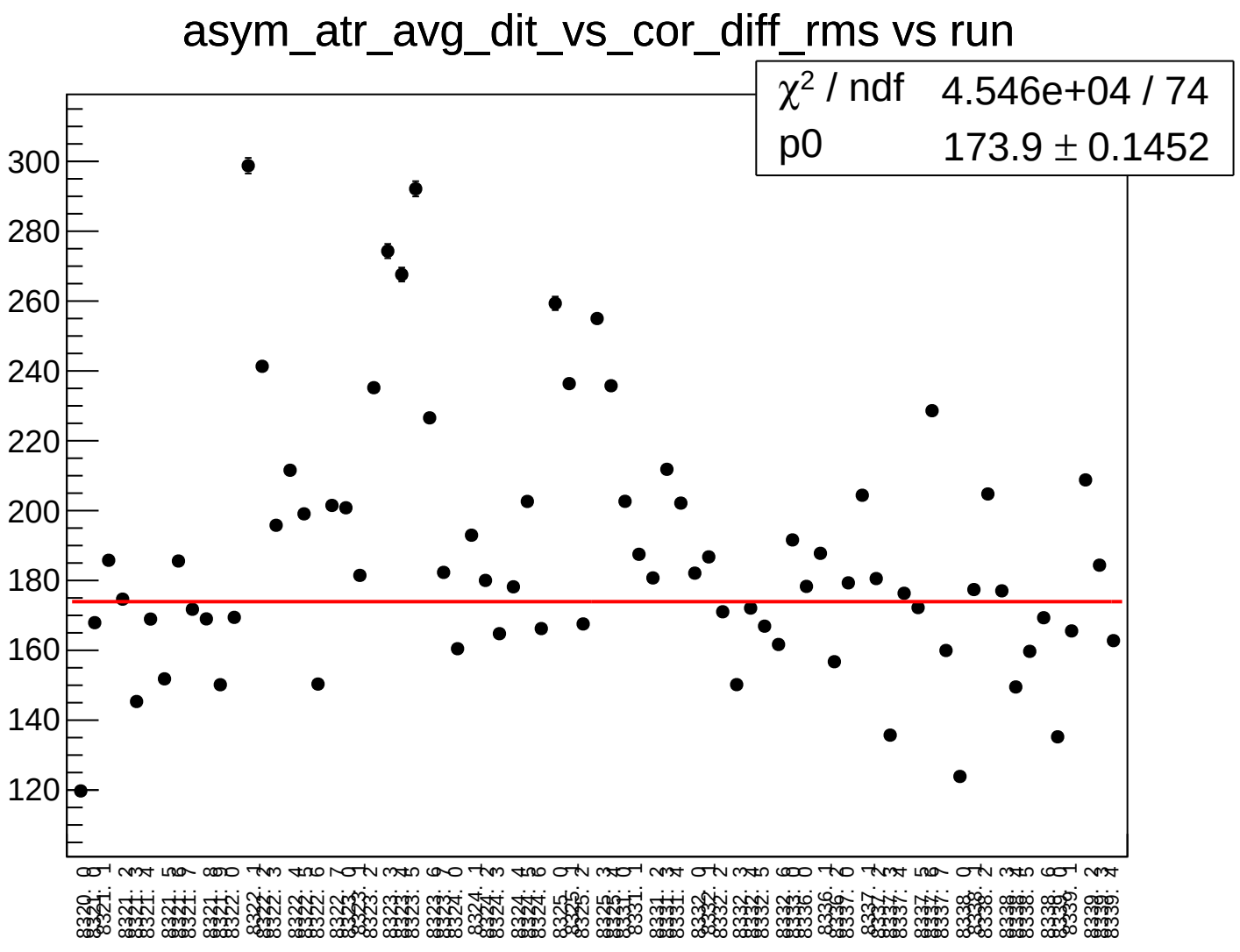

pull1D
Entries 75
Mean −0.003165
Std Dev 0.9726

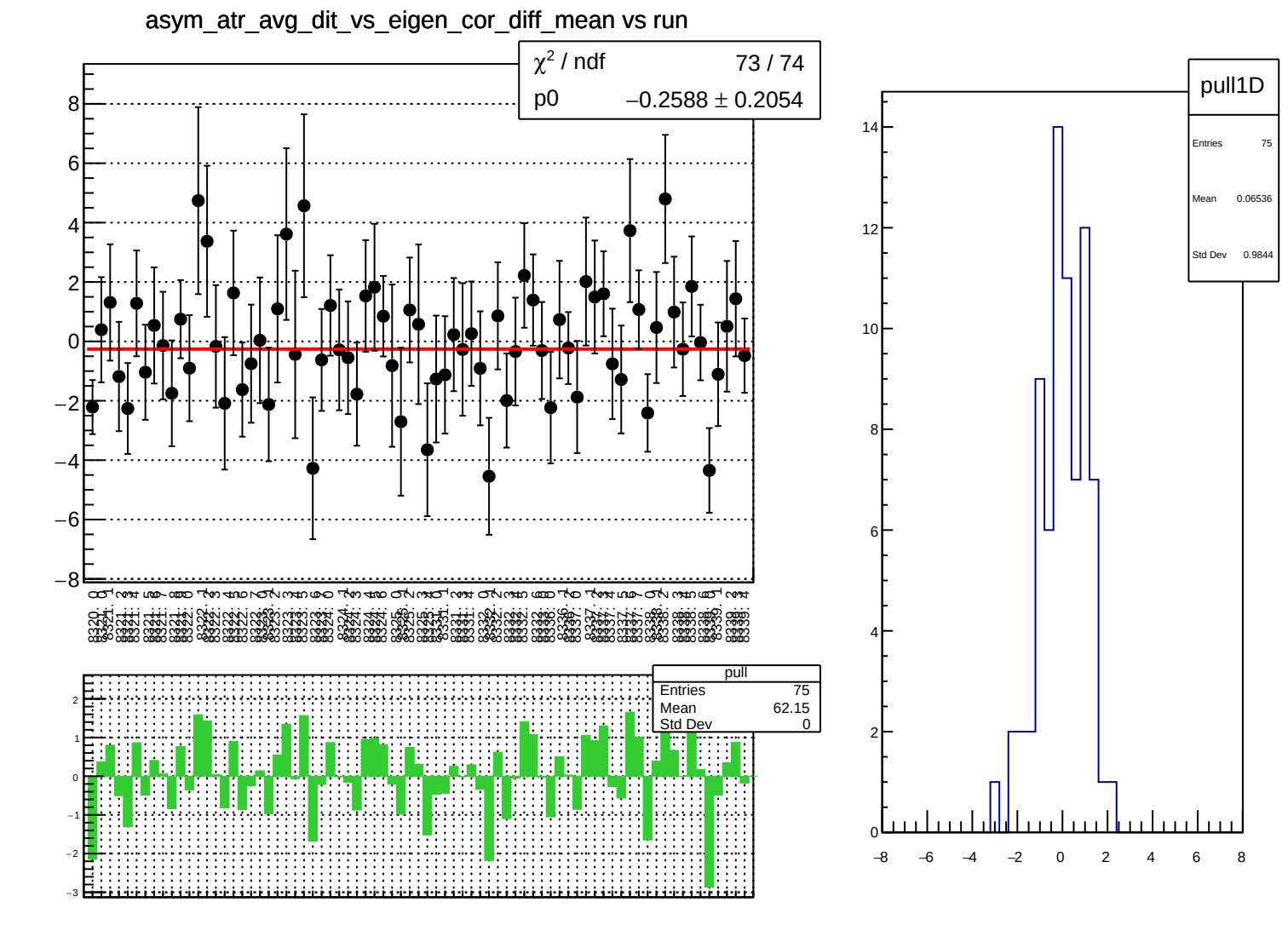

asym_atr_avg_rms vs run
χ² / ndf 1591 / 74
p0 7919 ± 6.512
8800
8600
8400
8200
8000
7800
7600
7400
7200

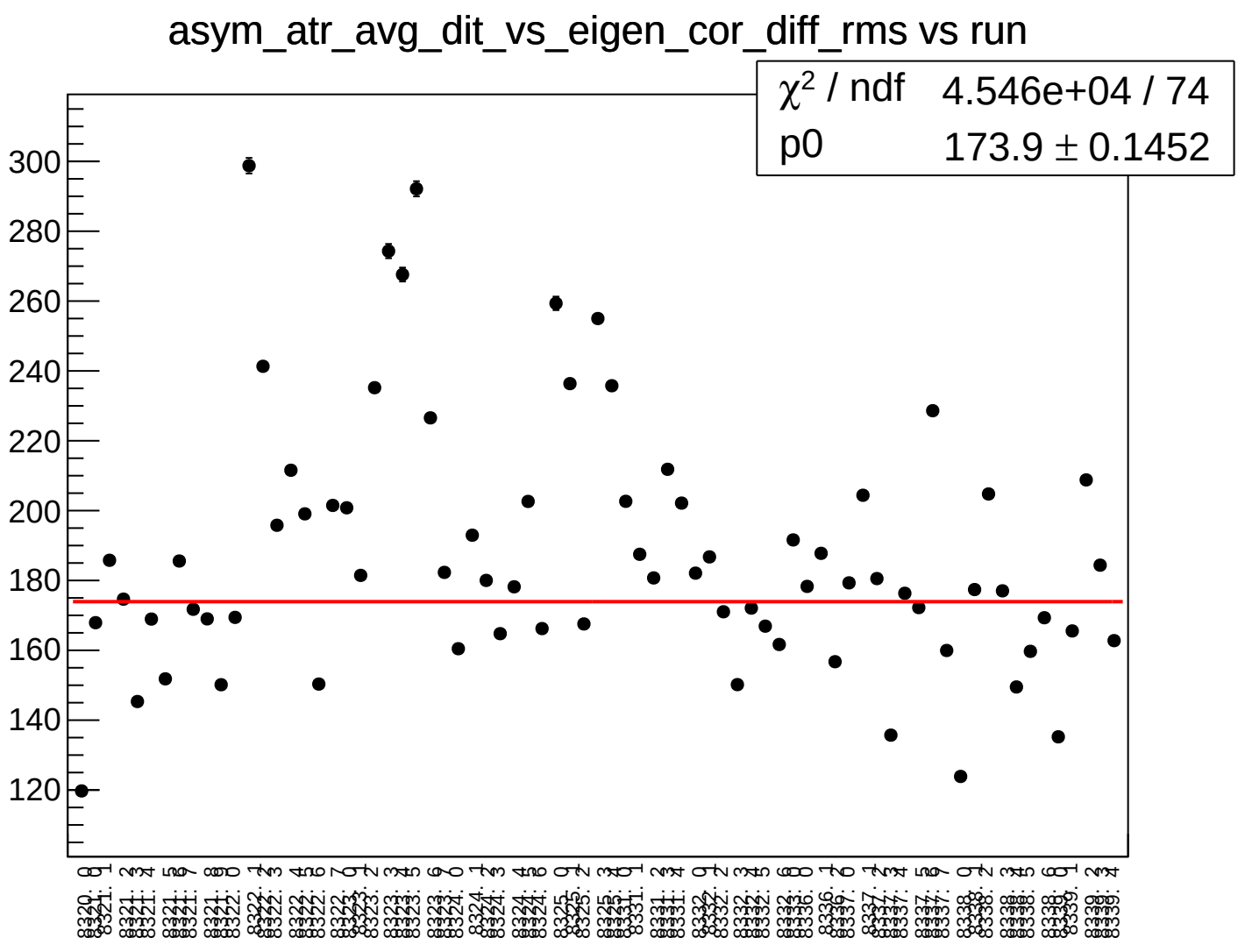

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.33 / 74
p0 −7.951e−13 ± 8.451e−13
pull
Entries 75
Mean 328.6
Std Dev 0
pull1D
Entries 75
Mean −0.01147
Std Dev 1.139

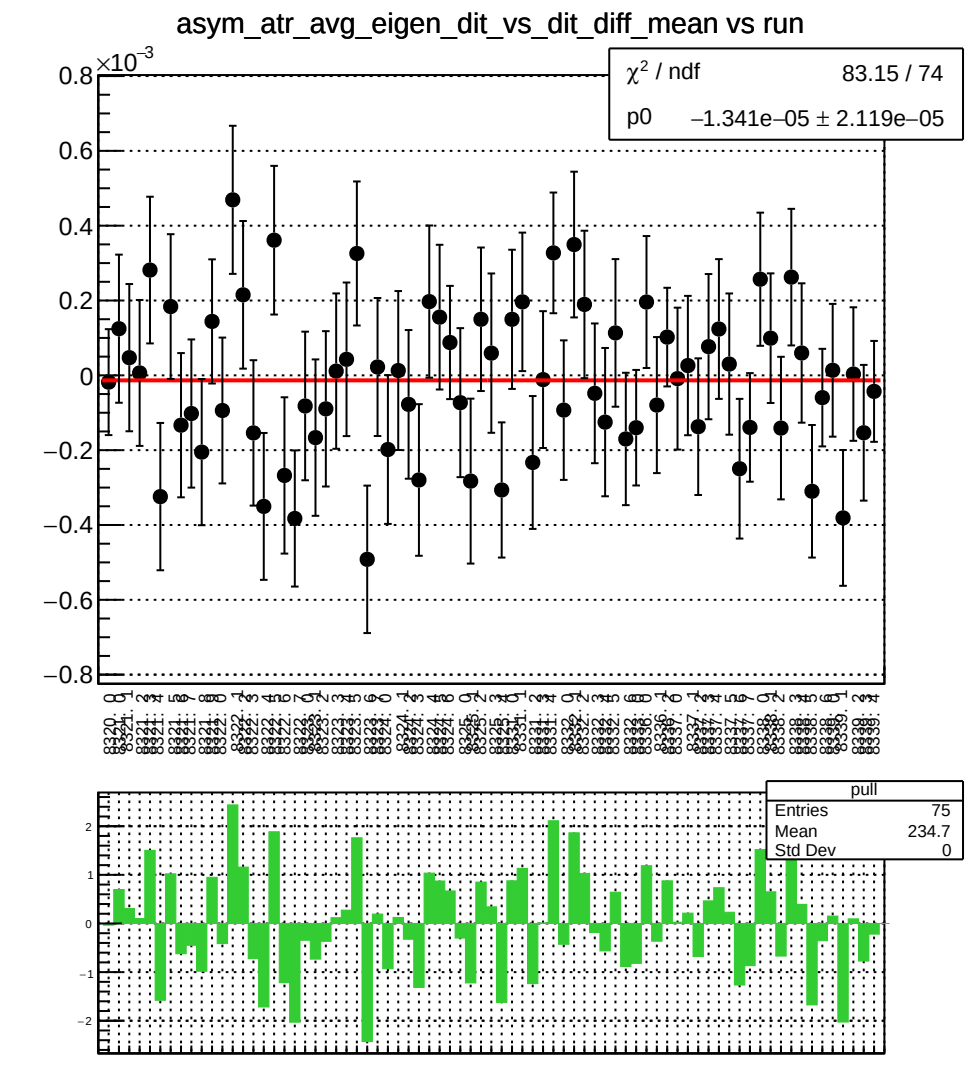

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.012e+05 / 74
p0 4.546e−10 ± 5.976e−13
1
0.8
0.6
0.4
0.2
0

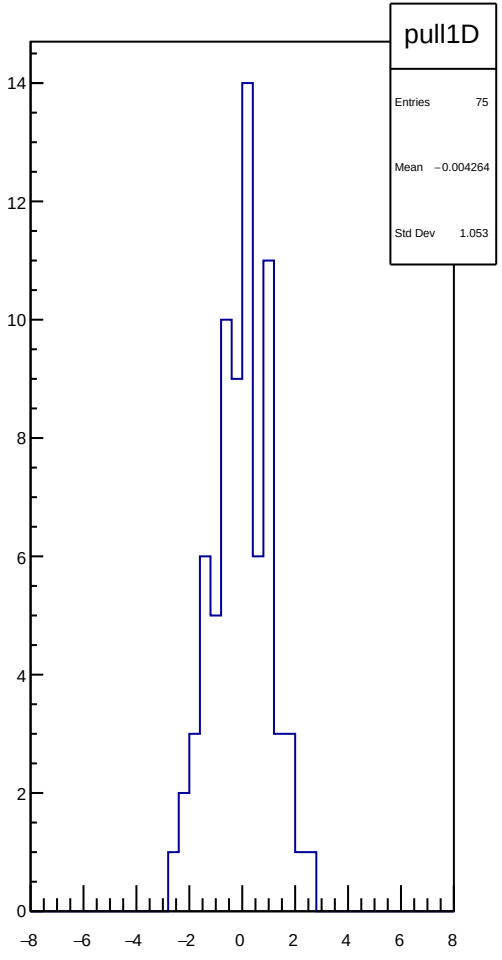

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73 / 74
p0 −0.2588 ± 0.2054
pull
Entries 75
Mean 62.15
Std Dev 0
pull1D
Entries 75
Mean 0.06536
Std Dev 0.9844

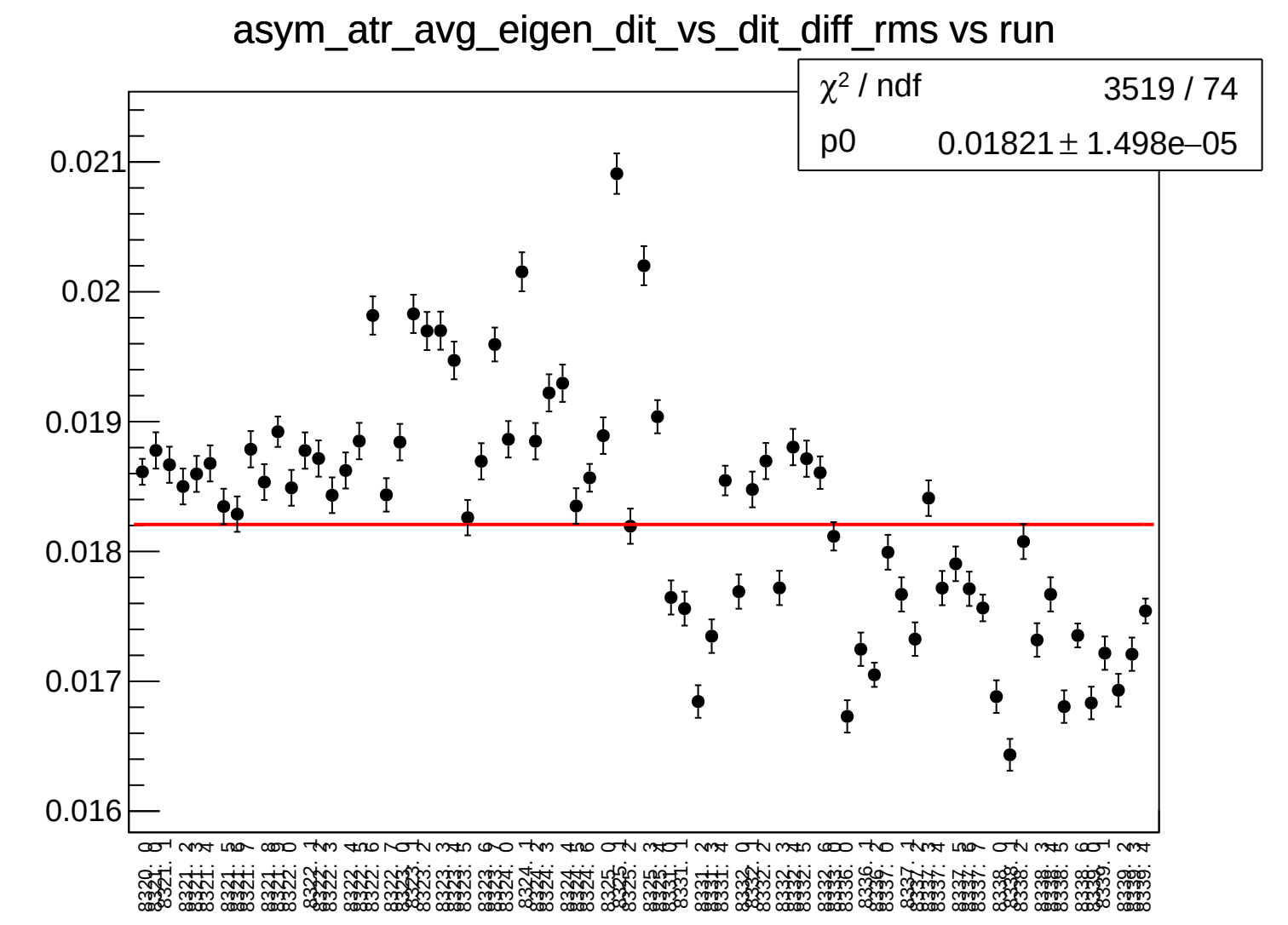

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.546e+04 / 74
p0 173.9 ± 0.1452
300
280
260
240
220
200
180
160
140
120

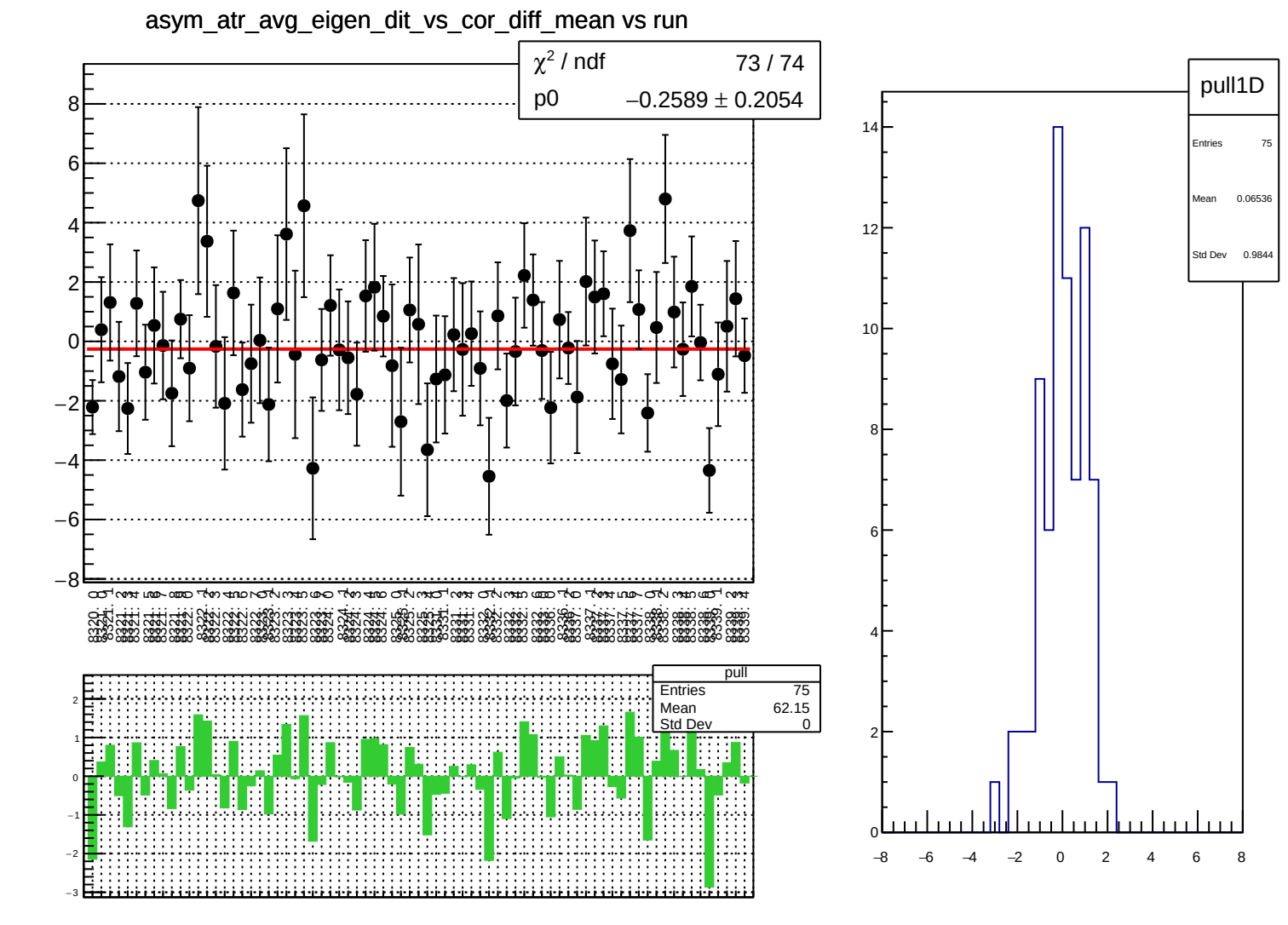

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73 / 74
p0 −0.2588 ± 0.2054
pull
Entries 75
Mean 62.15
Std Dev 0
pull1D
Entries 75
Mean 0.06536
Std Dev 0.9844

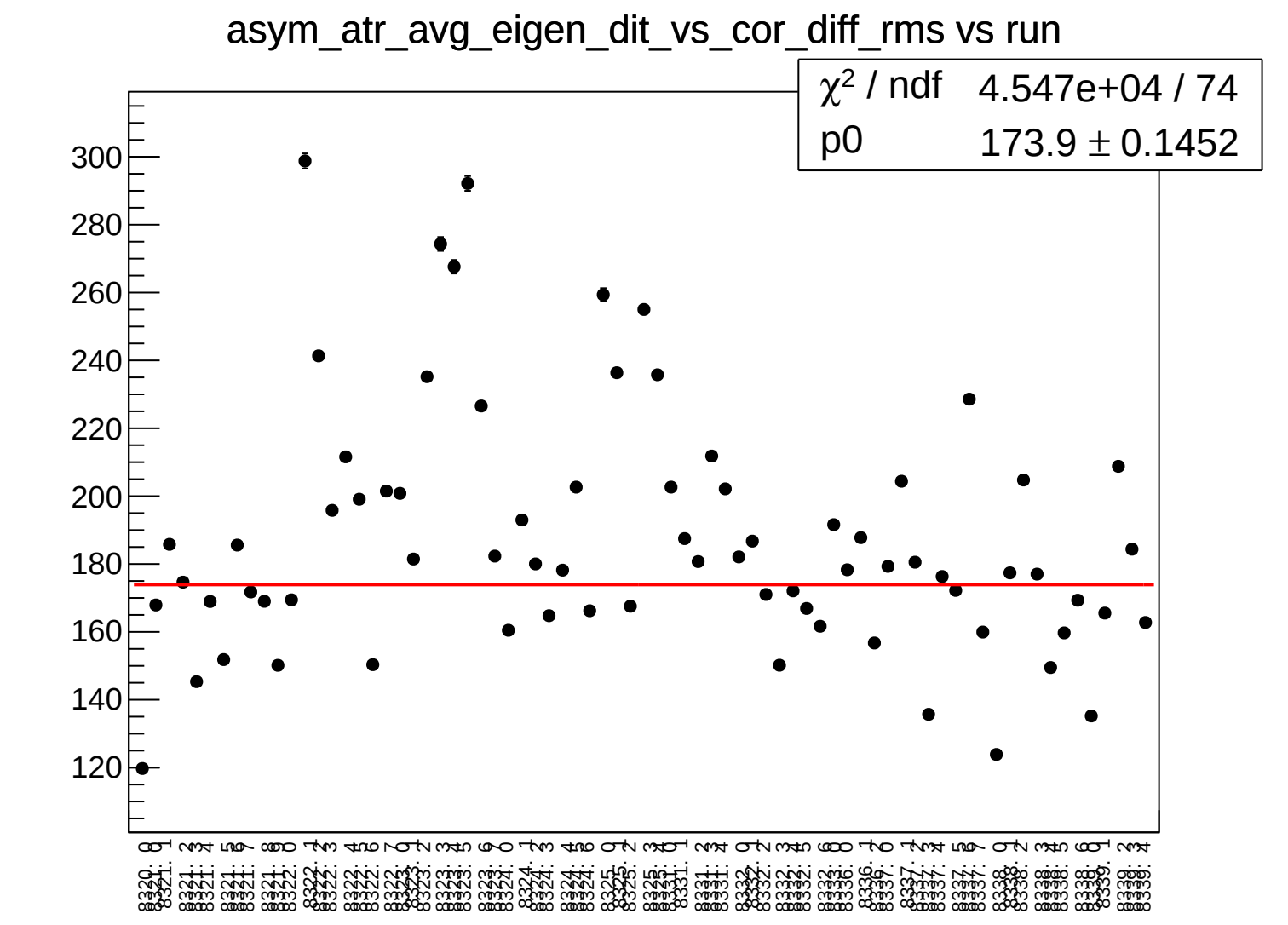

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.546e+04 / 74
p0 173.9 ± 0.1452
300
280
260
240
220
200
180
160
140
120

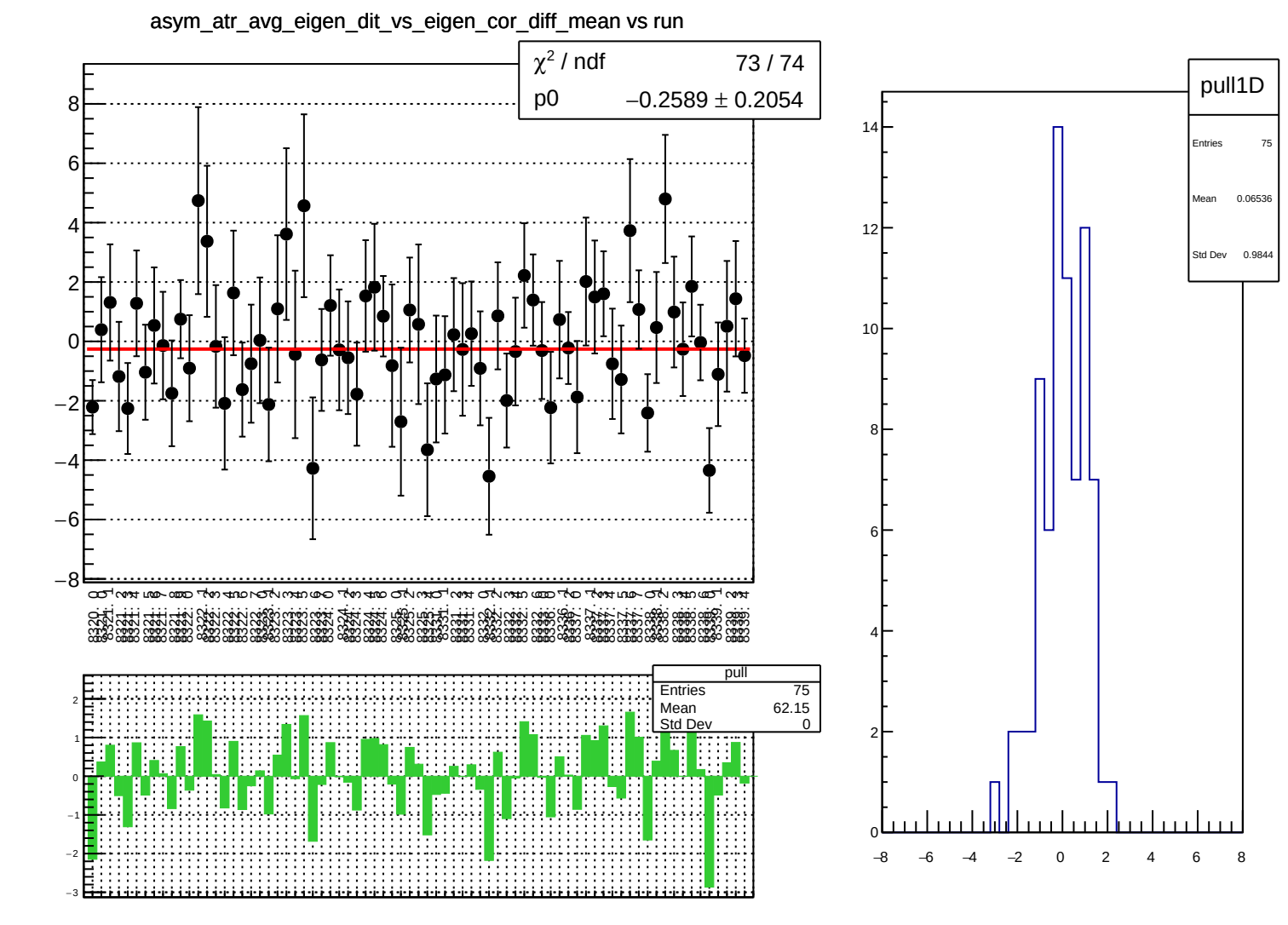

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 83.15 / 74
p0 −1.341e−05 ± 2.119e−05
×10⁻³
pull
Entries 75
Mean 234.7
Std Dev 0

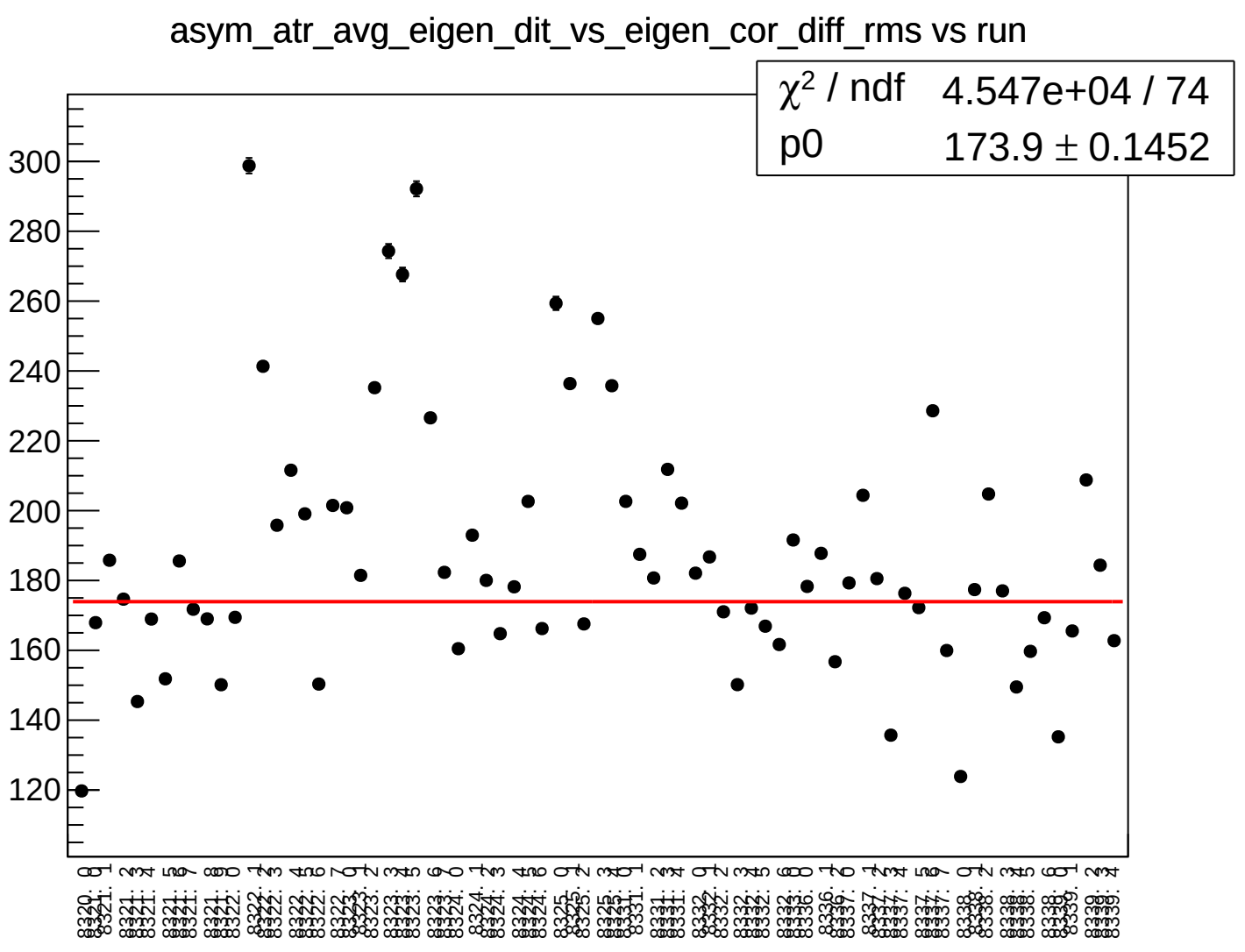

pull1D
Entries 75
Mean −0.004264
Std Dev 1.053

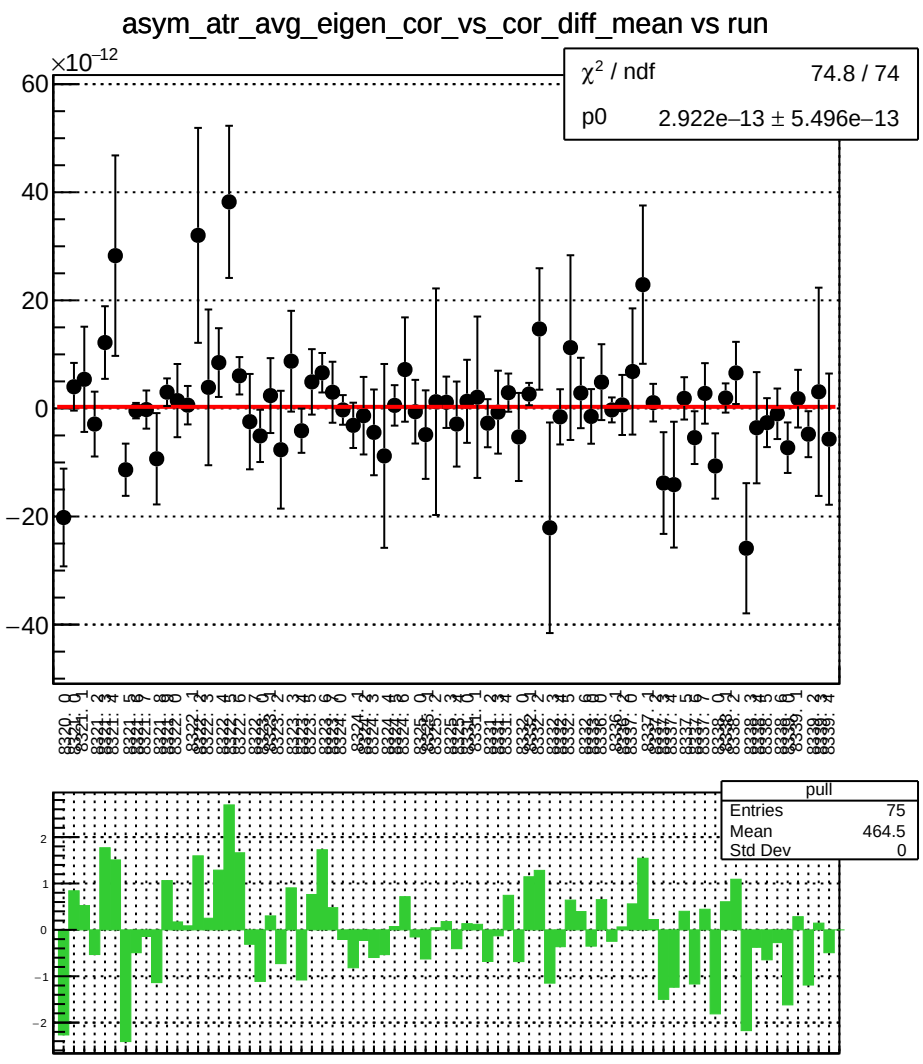

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3519 / 74
p0 0.01821 ± 1.498e–05
0.021
0.02
0.019
0.018
0.017
0.016

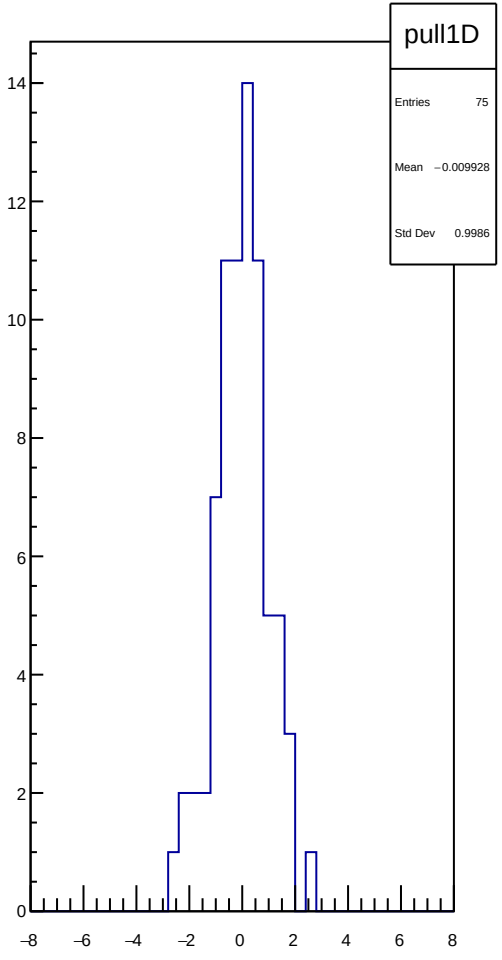

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73 / 74
p0 −0.2589 ± 0.2054
pull
Entries 75
Mean 62.15
Std Dev 0
pull1D
Entries 75
Mean 0.06536
Std Dev 0.9844

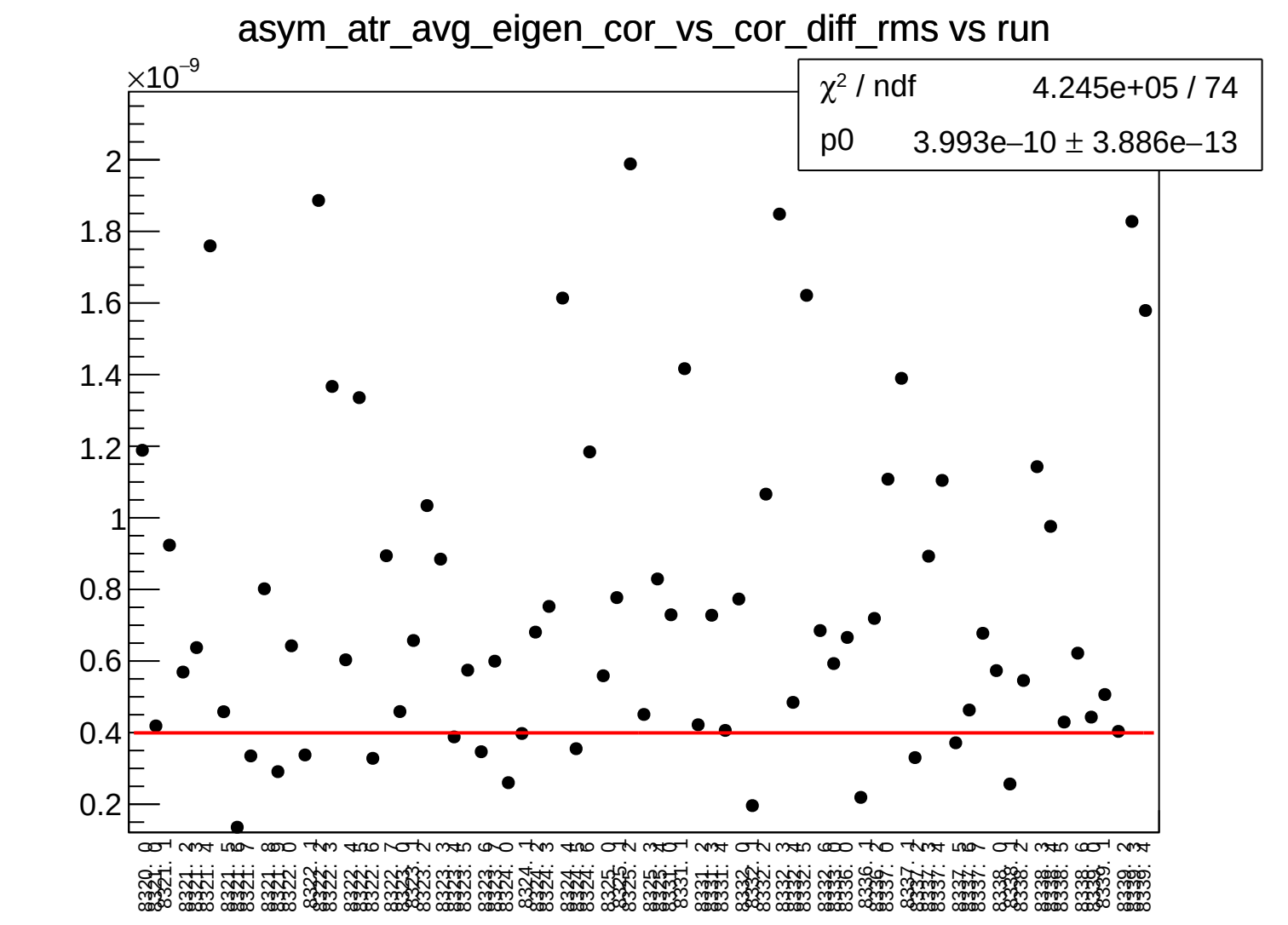

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.547e+04 / 74
p0 173.9 ± 0.1452
300
280
260
240
220
200
180
160
140
120

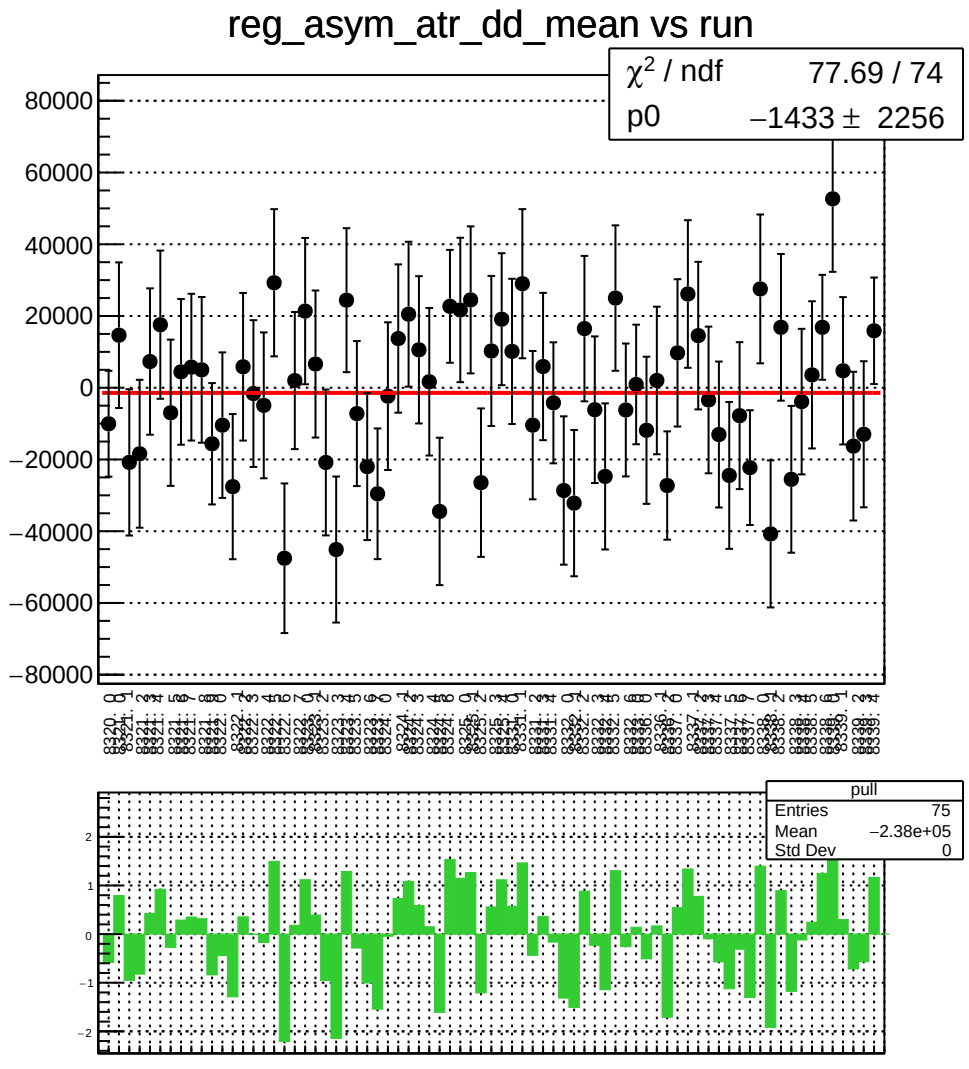

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73 / 74
p0 −0.2589 ± 0.2054
pull
Entries 75
Mean 62.15
Std Dev 0
pull1D
Entries 75
Mean 0.06536
Std Dev 0.9844

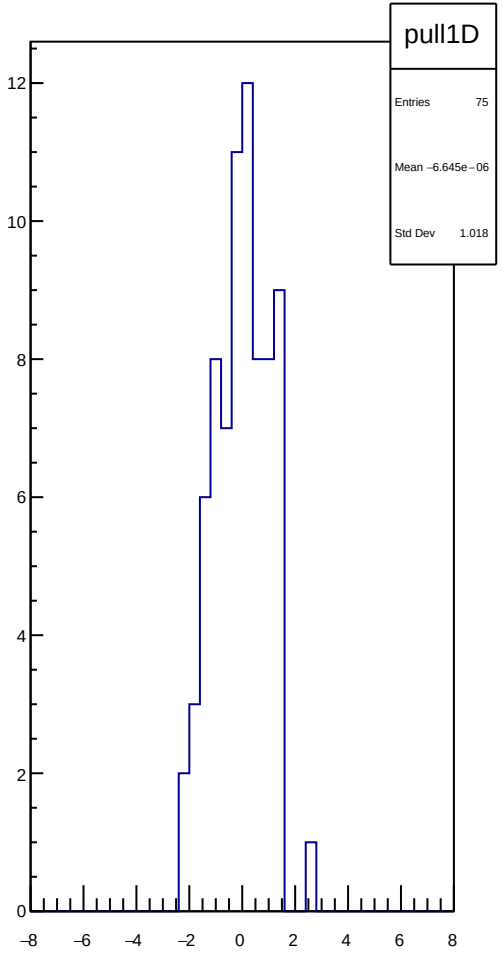

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.547e+04 / 74
p0 173.9 ± 0.1452
300
280
260
240
220
200
180
160
140
120

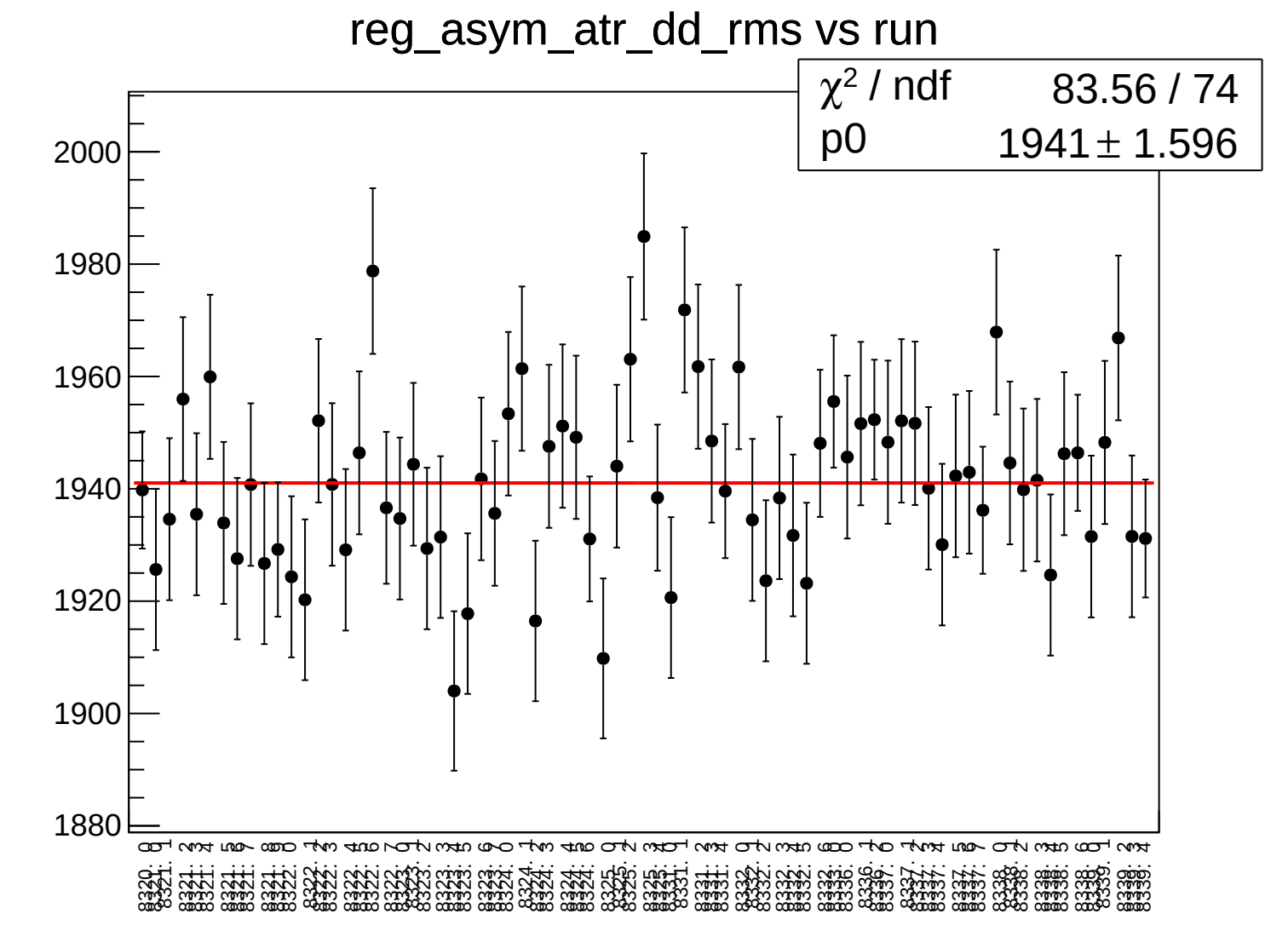

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 74.8 / 74
p0 2.922e−13 ± 5.496e−13
pull
Entries 75
Mean 464.5
Std Dev 0

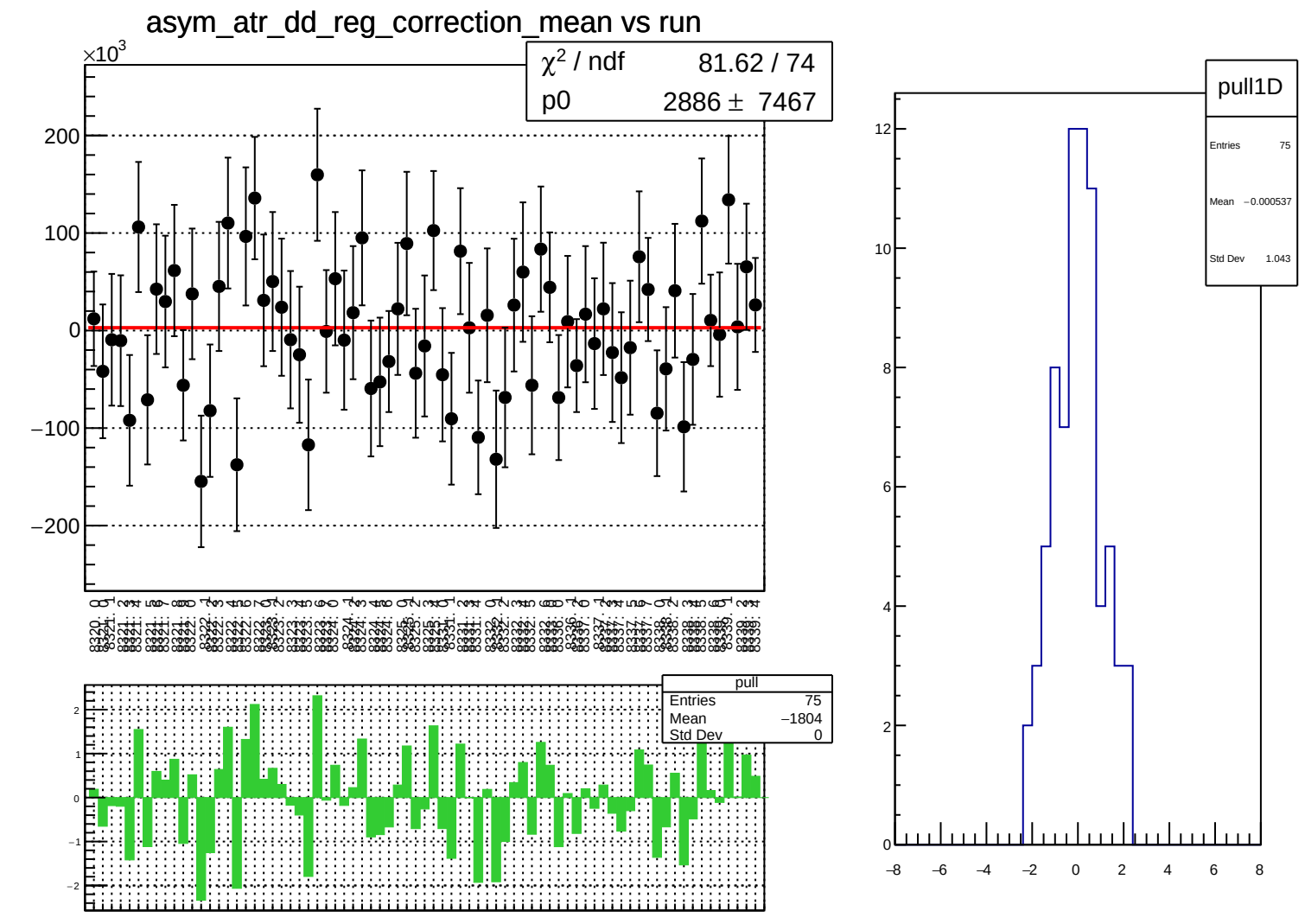

pull1D
Entries 75
Mean −0.009928
Std Dev 0.9986

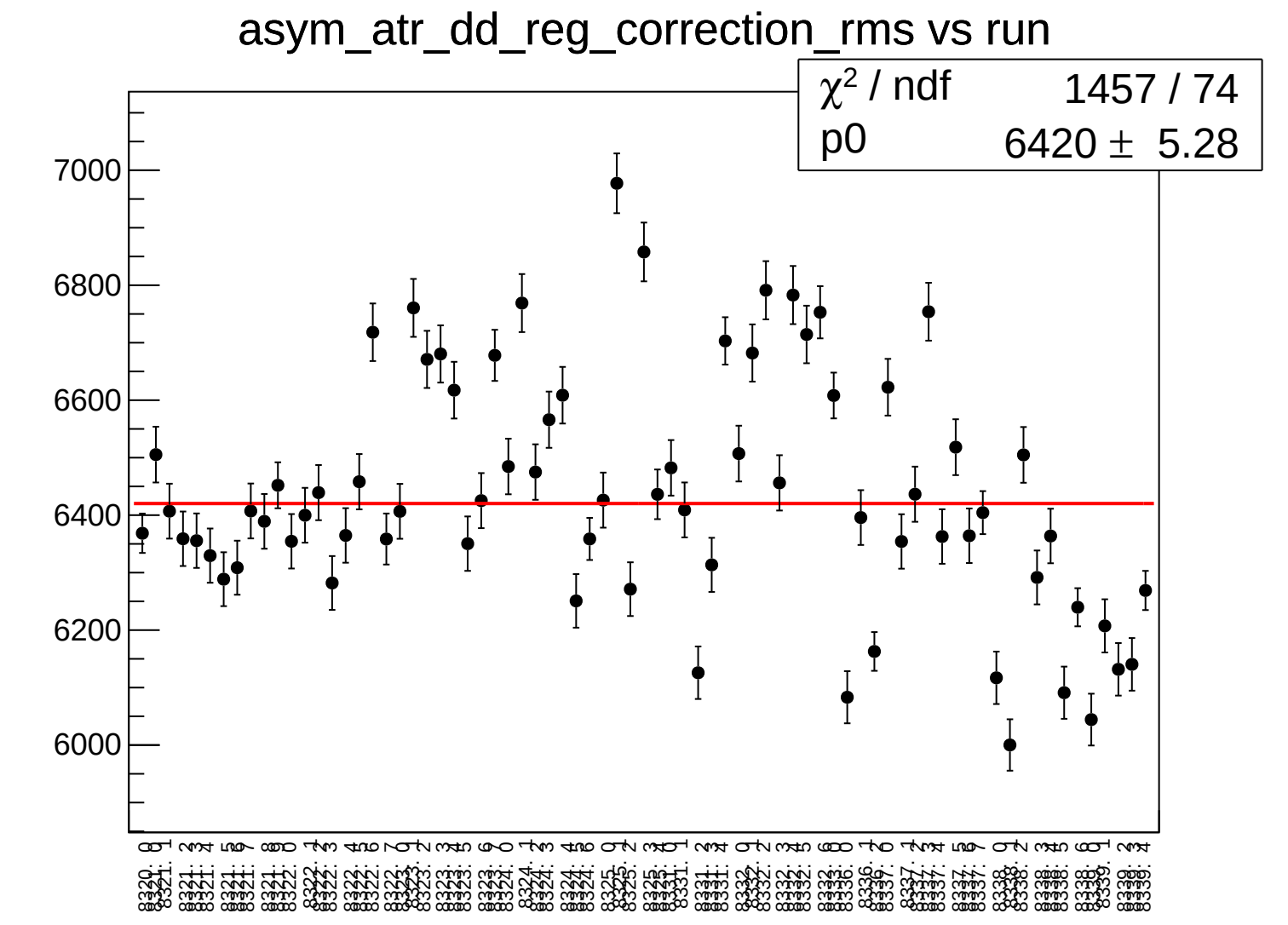

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.245e+05 / 74
p0 3.993e−10 ± 3.886e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

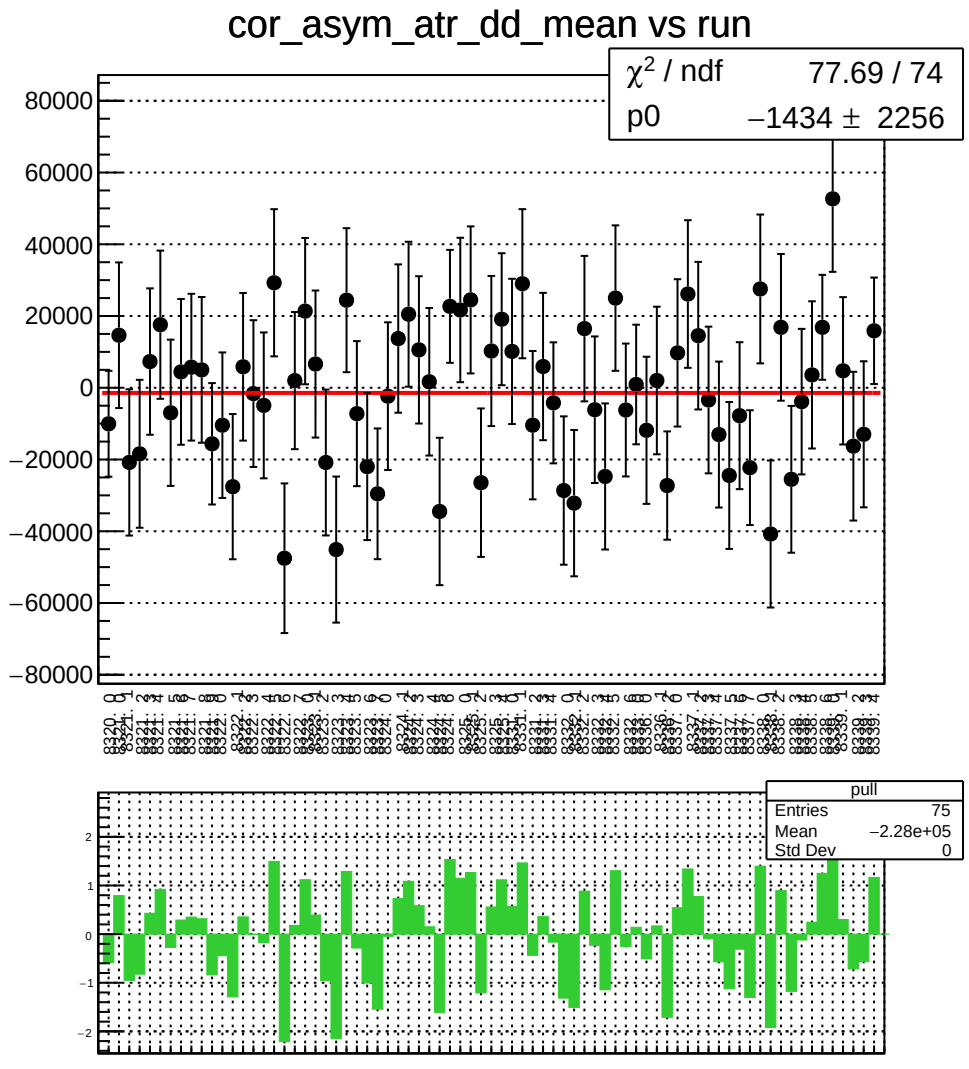

reg_asym_atr_dd_mean vs run
χ² / ndf 77.69 / 74
p0 −1433 ± 2256
pull
Entries 75
Mean −2.38e+05
Std Dev 0

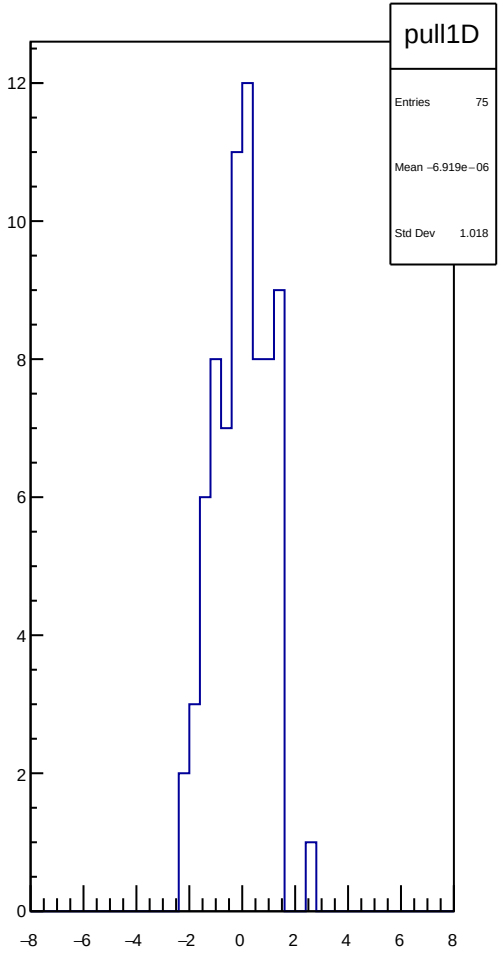

pull1D
Entries 75
Mean −6.645e−06
Std Dev 1.018

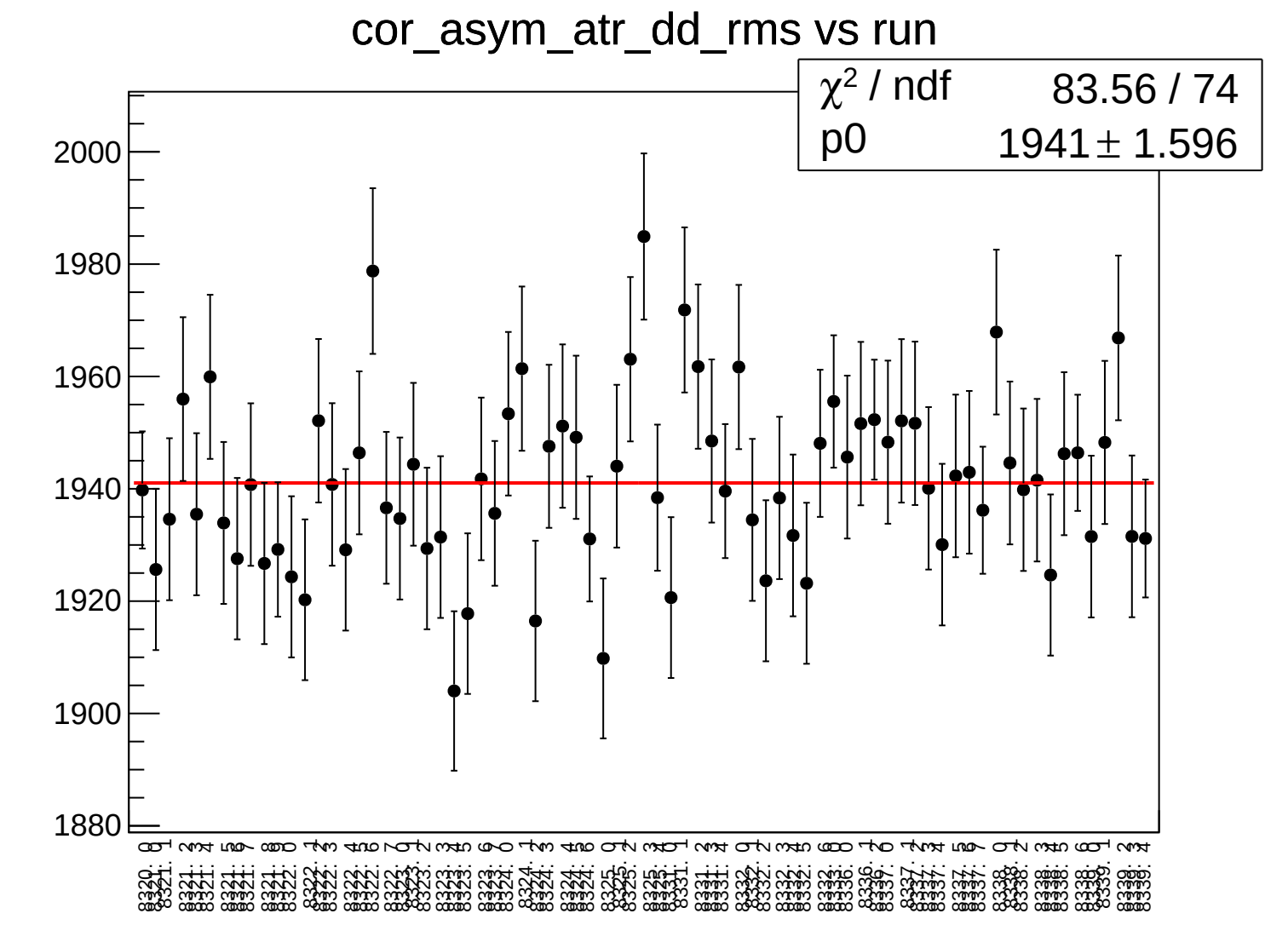

reg_asym_atr_dd_rms vs run
χ² / ndf 83.56 / 74
p0 1941 ± 1.596
2000
1980
1960
1940
1920
1900
1880

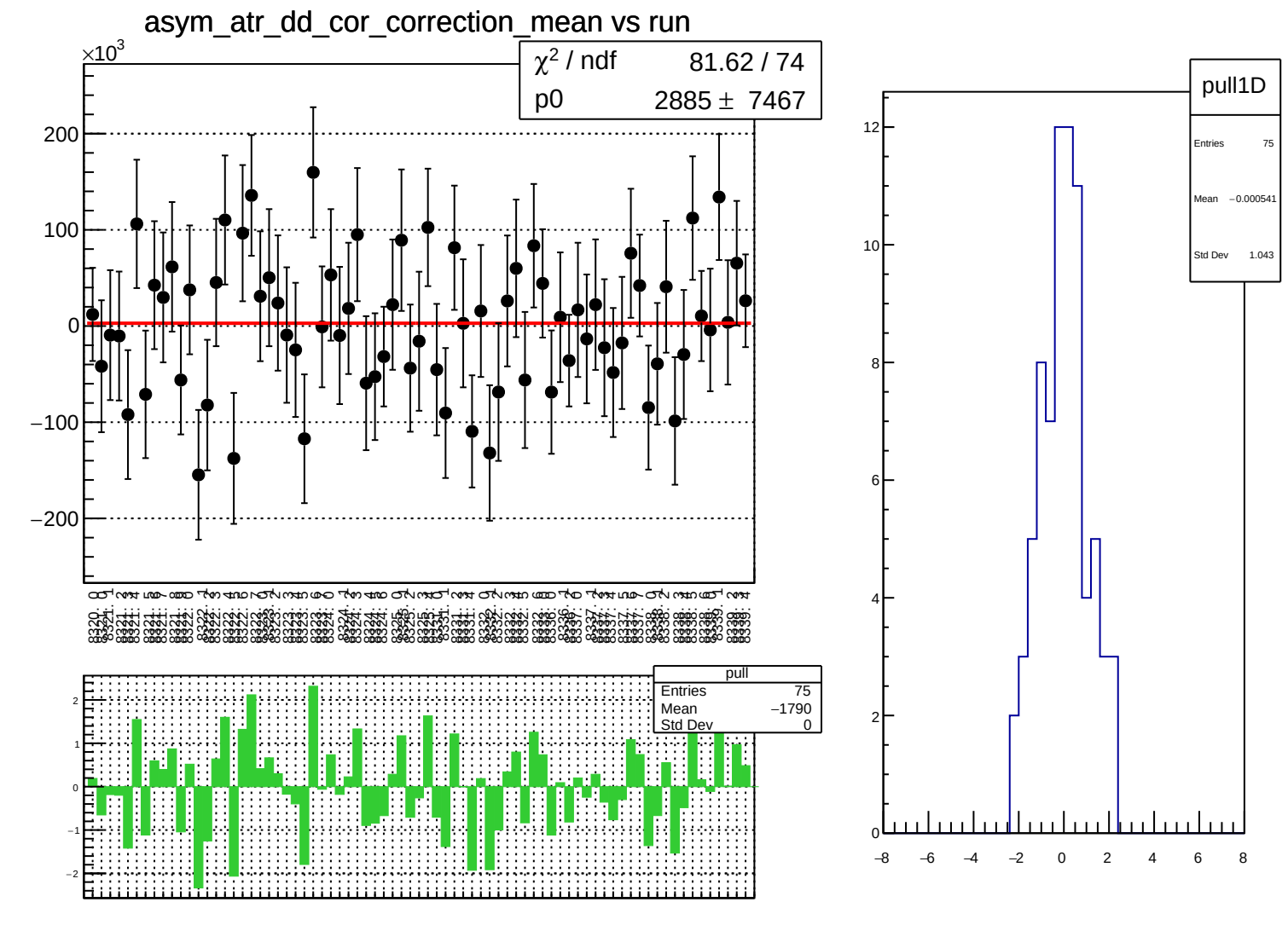

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.62 / 74
p0 2886 ± 7467
200
100
0
−100
−200
pull
Entries 75
Mean −1804
Std Dev 0
pull1D
Entries 75
Mean −0.000537
Std Dev 1.043

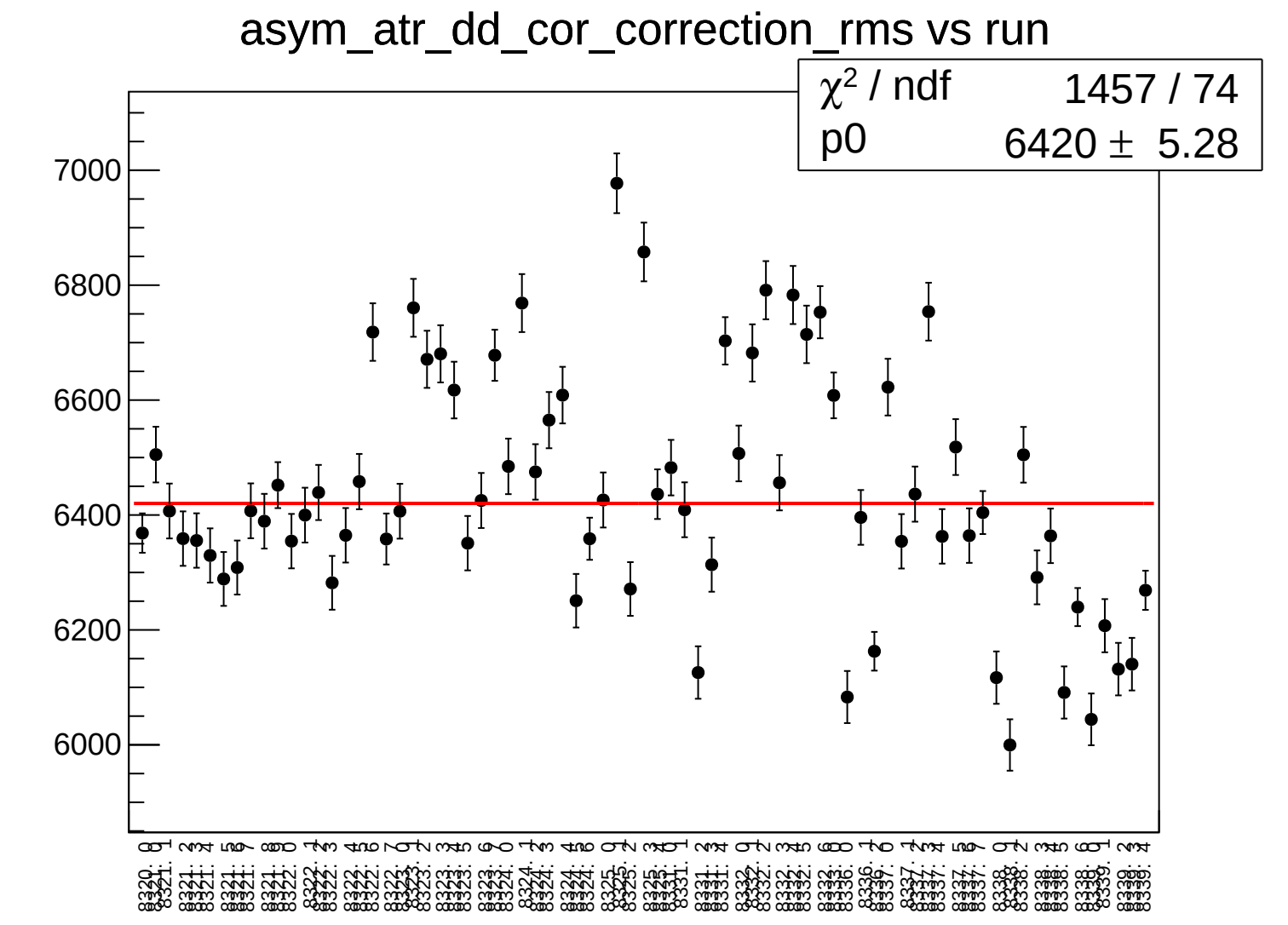

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 1457 / 74
p0 6420 ± 5.28
7000
6800
6600
6400
6200
6000

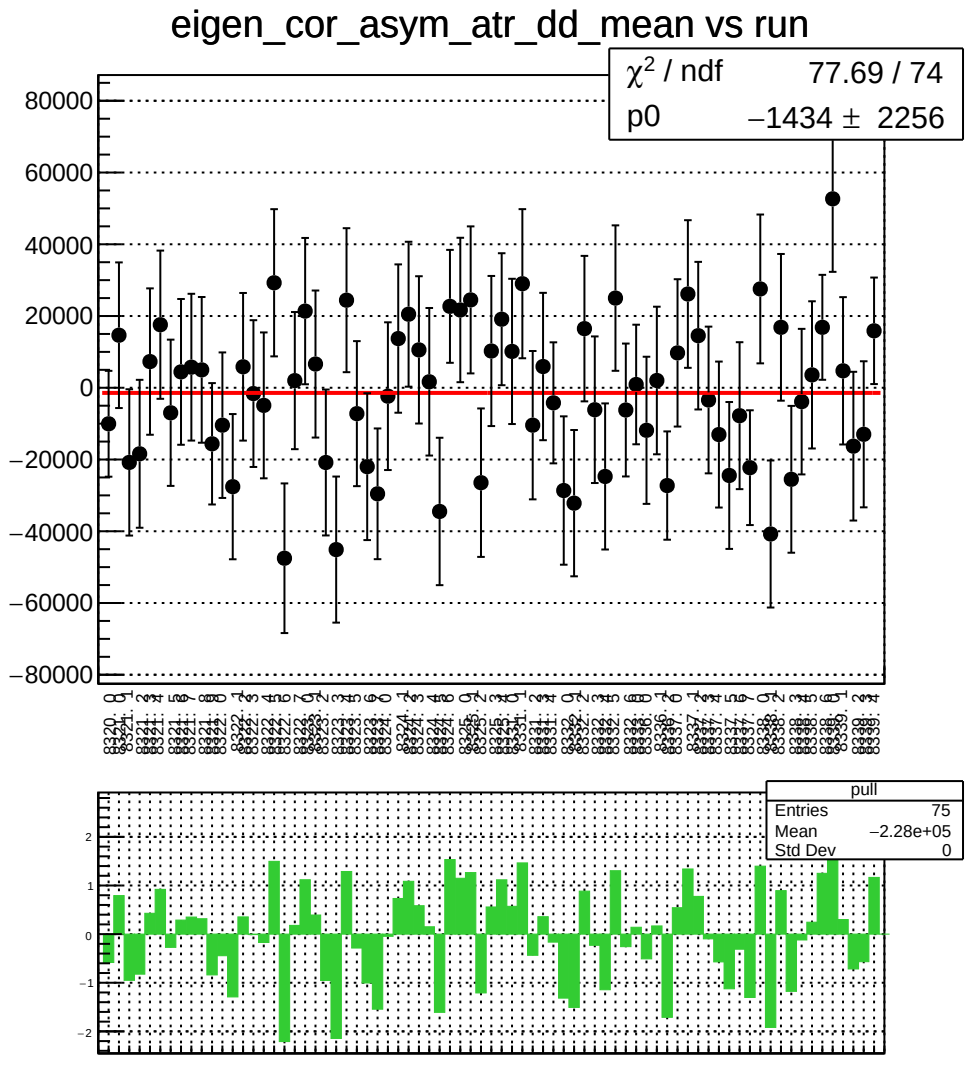

cor_asym_atr_dd_mean vs run
χ² / ndf 77.69 / 74
p0 −1434 ± 2256
pull
Entries 75
Mean −2.28e+05
Std Dev 0

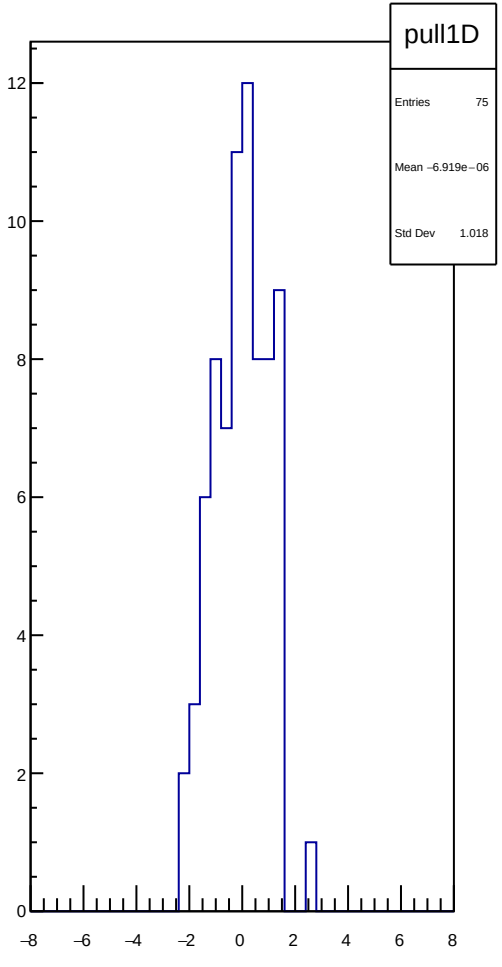

pull1D
Entries 75
Mean −6.919e−06
Std Dev 1.018

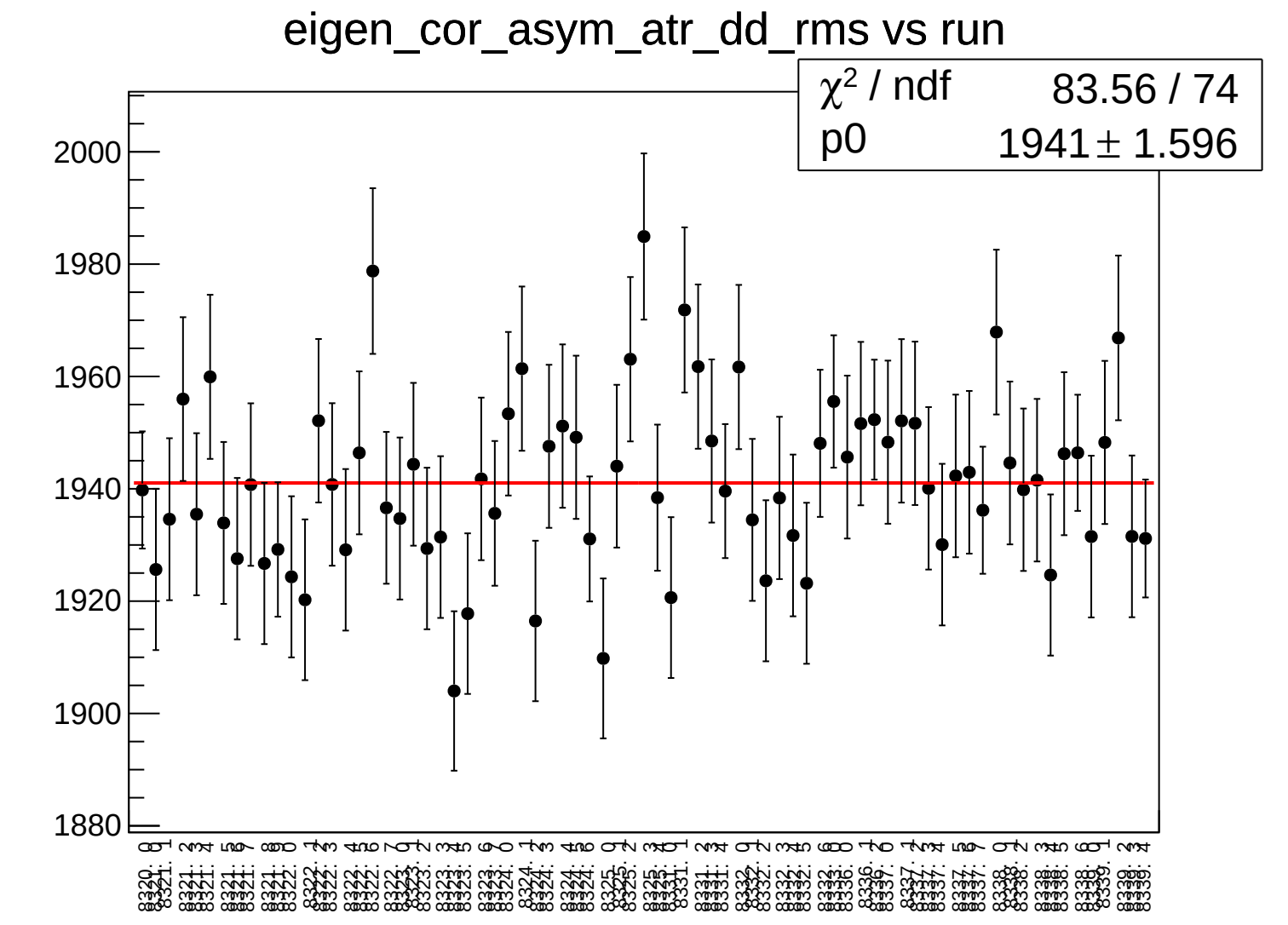

cor_asym_atr_dd_rms vs run
χ^2 / ndf 83.56 / 74
p0 1941 ± 1.596
2000
1980
1960
1940
1920
1900
1880

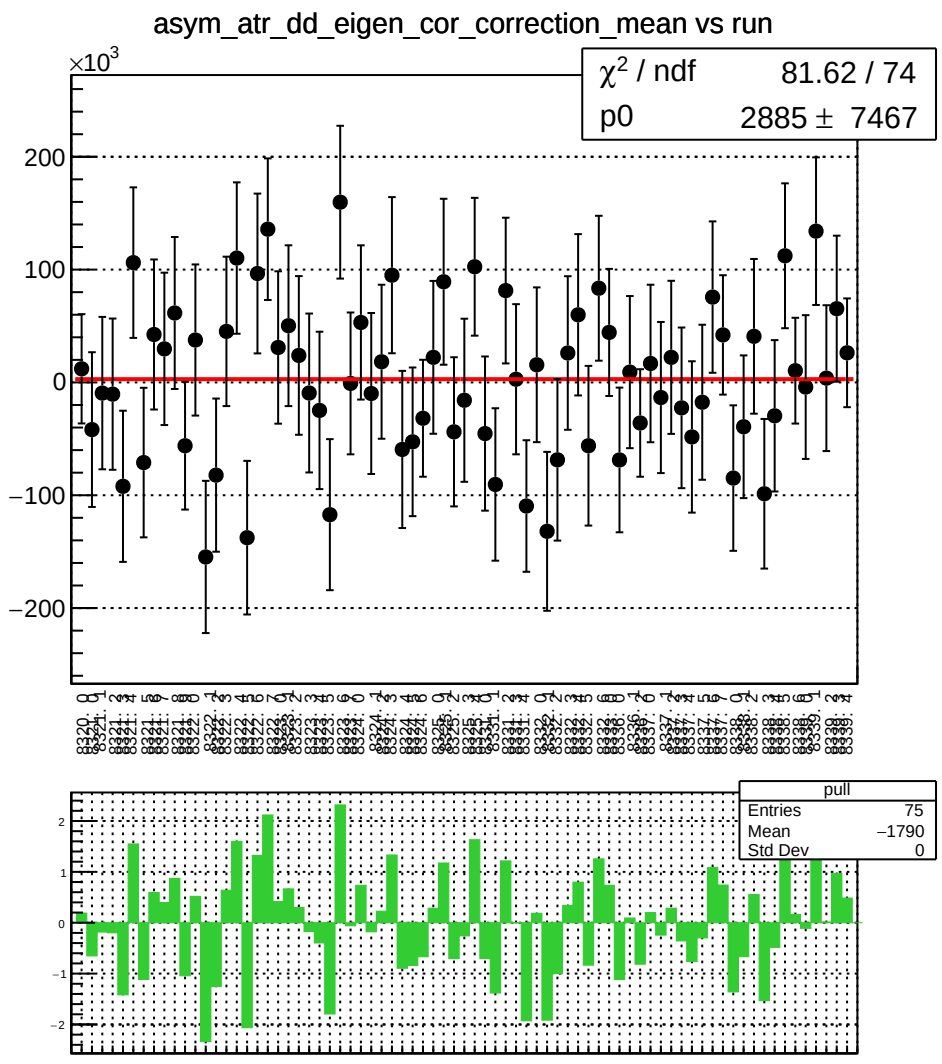

asym_atr_dd_cor_correction_mean vs run
χ² / ndf 81.62 / 74
p0 2885 ± 7467
×10³
200
100
0
−100
−200
pull
Entries 75
Mean −1790
Std Dev 0
pull1D
Entries 75
Mean −0.000541
Std Dev 1.043

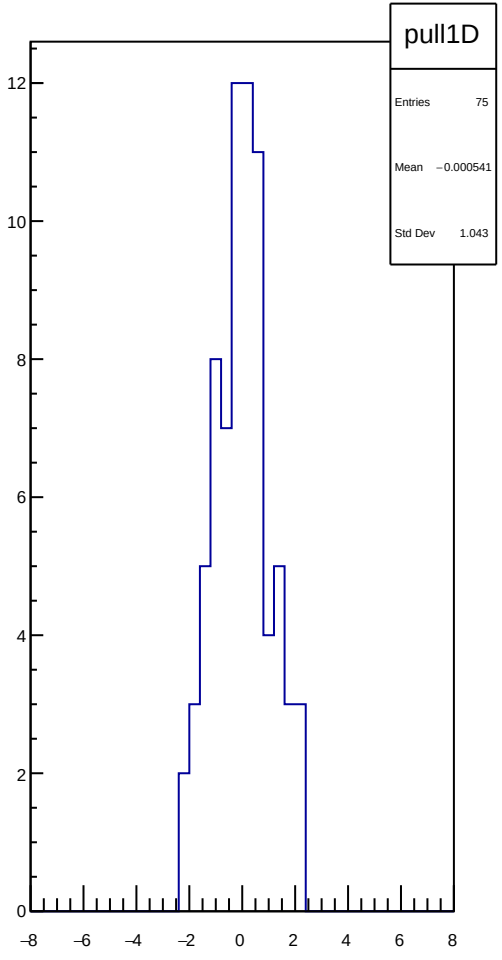

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 1457 / 74
p0 6420 ± 5.28
7000
6800
6600
6400
6200
6000

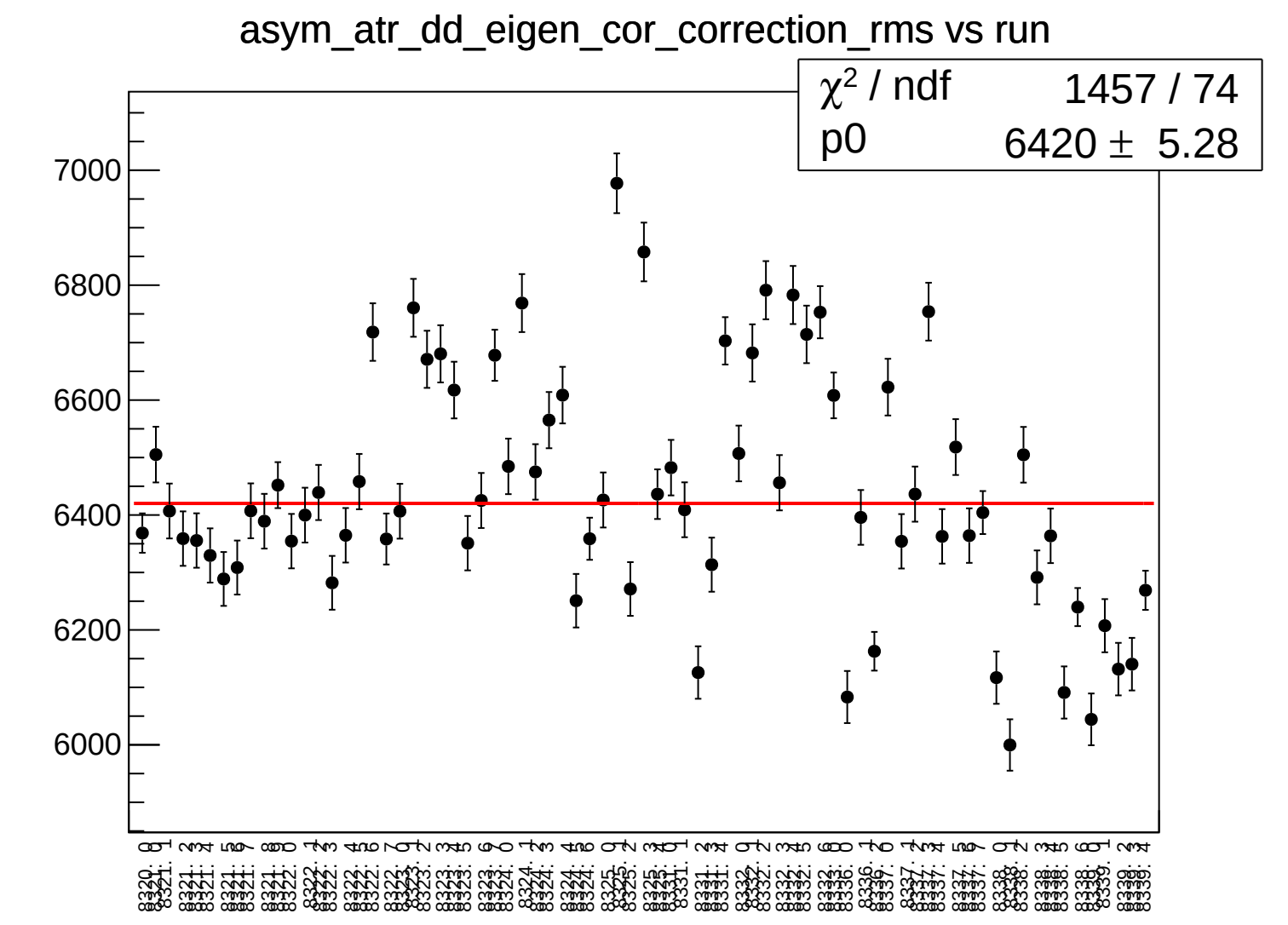

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 77.69 / 74
p0 −1434 ± 2256
pull
Entries 75
Mean −2.28e+05
Std Dev 0

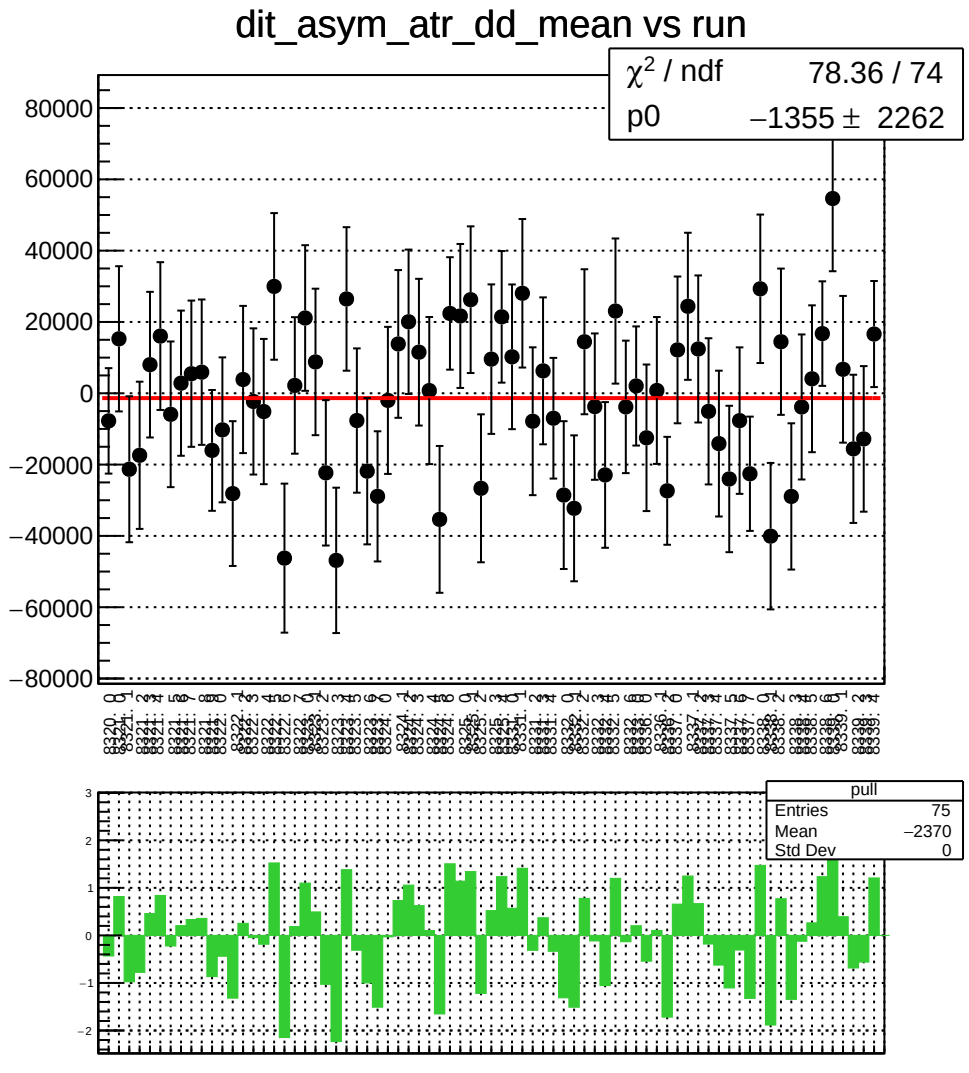

pull1D
Entries 75
Mean −6.919e−06
Std Dev 1.018

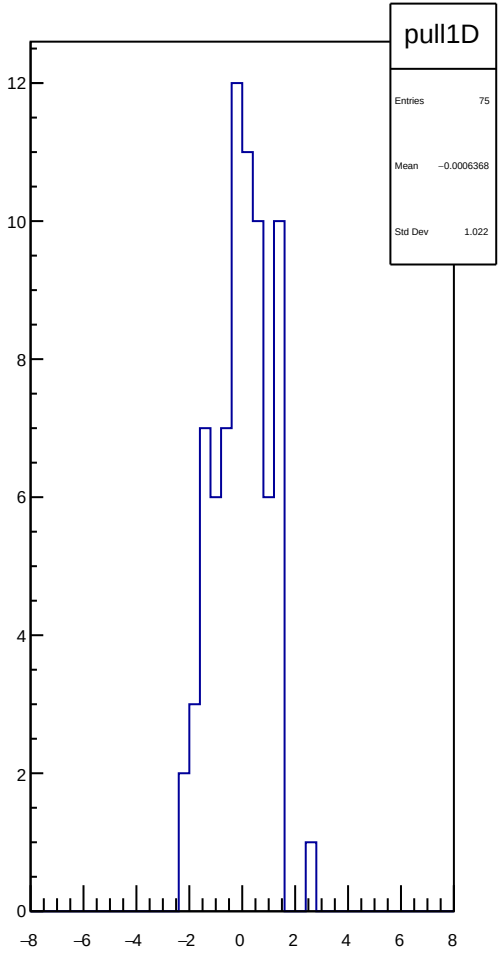

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 83.56 / 74
p0 1941 ± 1.596
2000
1980
1960
1940
1920
1900
1880

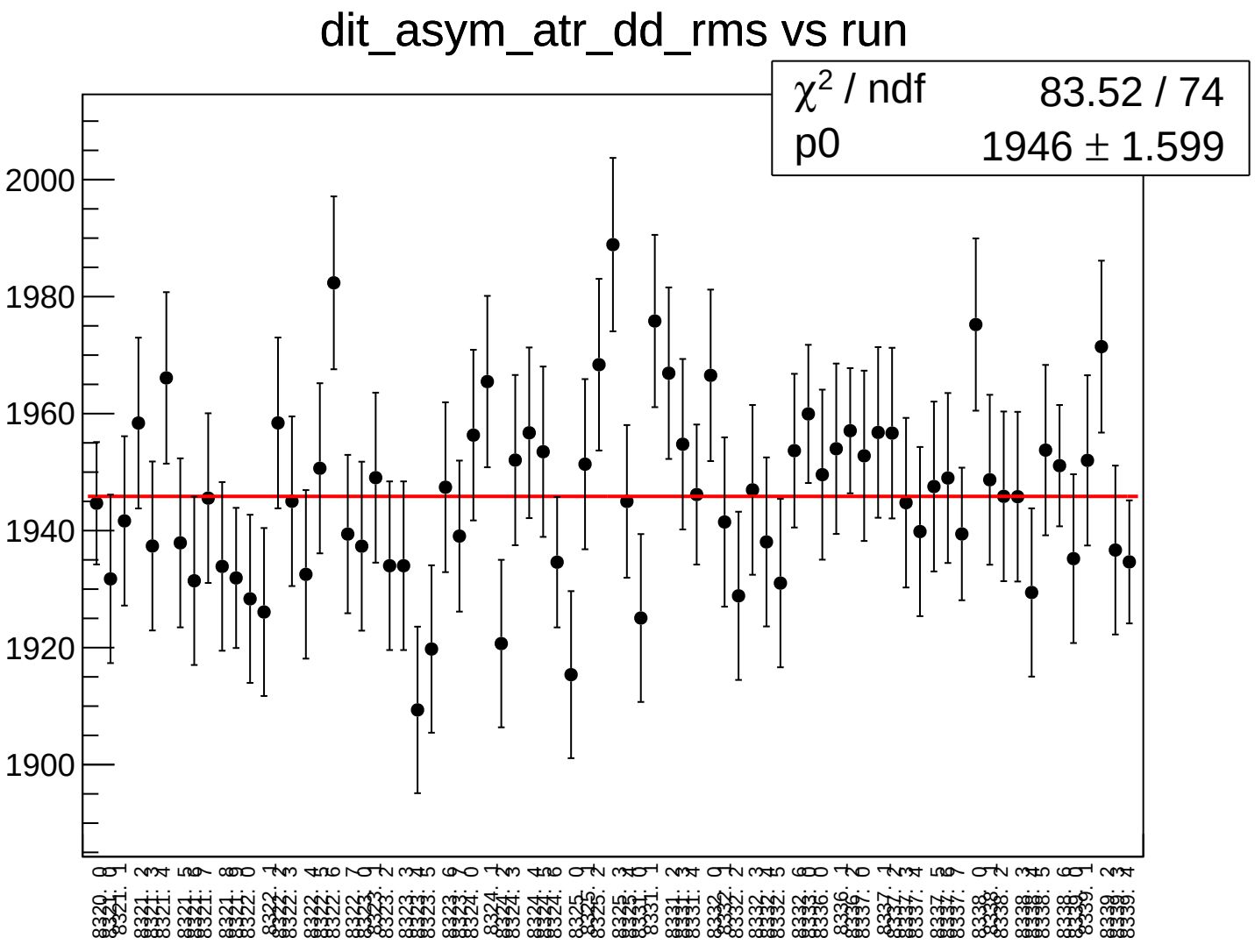

asym_atr_dd_eigen_cor_correction_mean vs run
χ^2 / ndf 81.62 / 74
p0 2885 ± 7467
×10^3
200
100
0
−100
−200
pull
Entries 75
Mean −1790
Std Dev 0
2
1
0
−1
−2

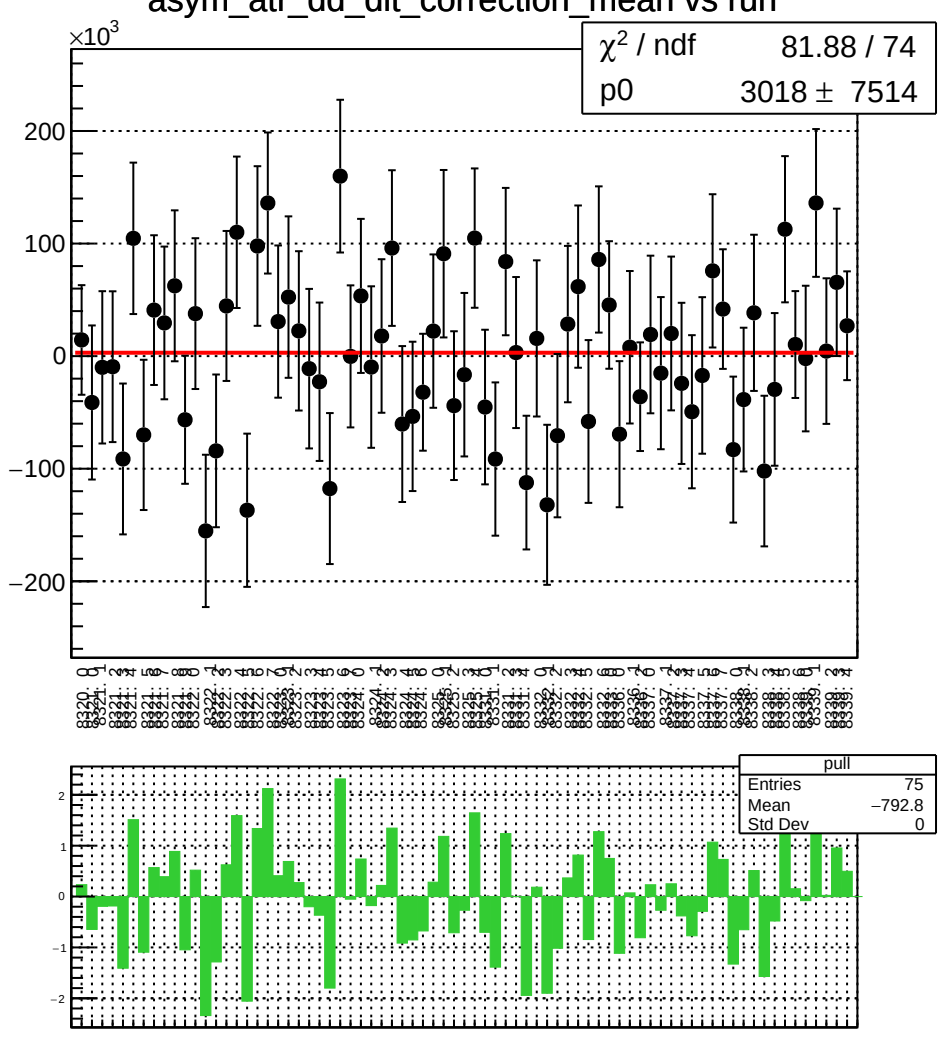

pull1D
Entries 75
Mean −0.000541
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

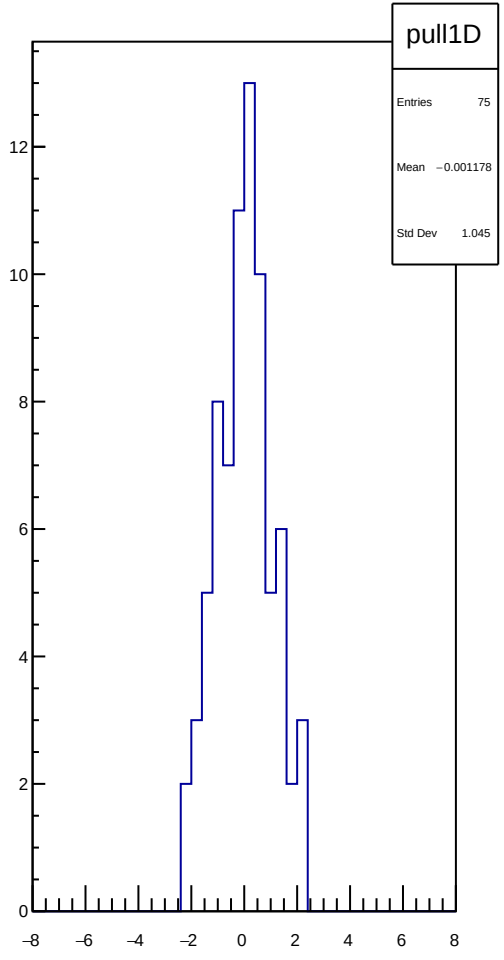

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 1457 / 74
p0 6420 ± 5.28
7000
6800
6600
6400
6200
6000

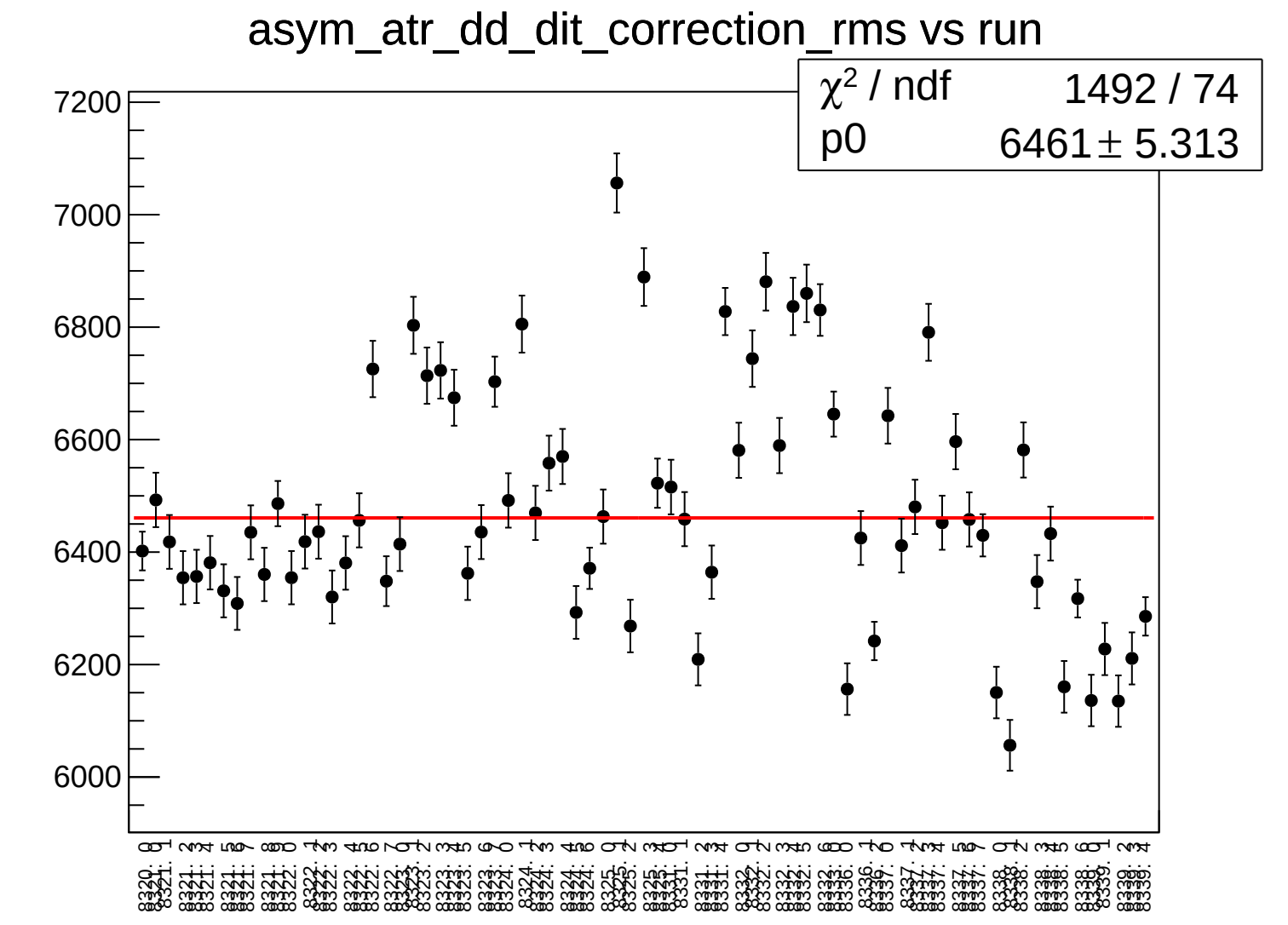

dit_asym_atr_dd_mean vs run
χ² / ndf 78.36 / 74
p0 −1355 ± 2262
pull
Entries 75
Mean −2370
Std Dev 0

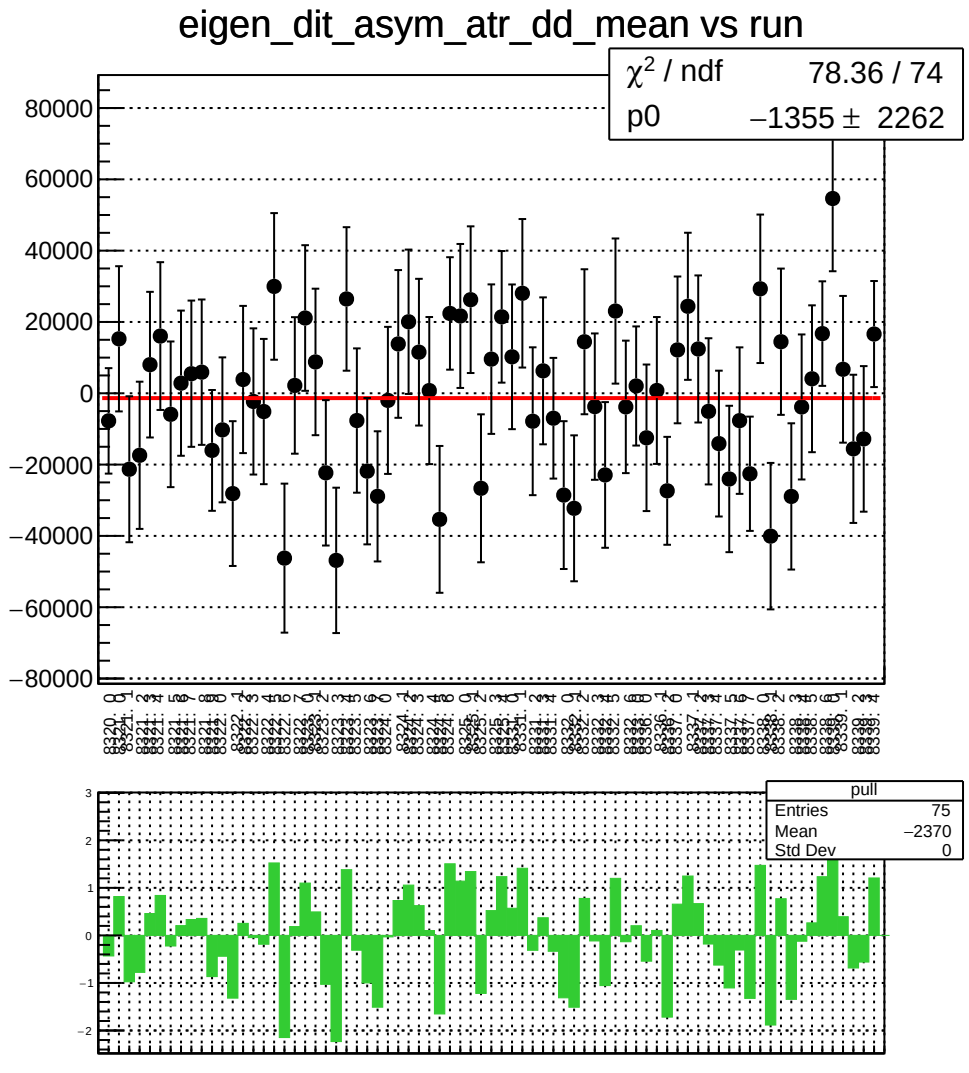

pull1D
Entries 75
Mean −0.0006368
Std Dev 1.022

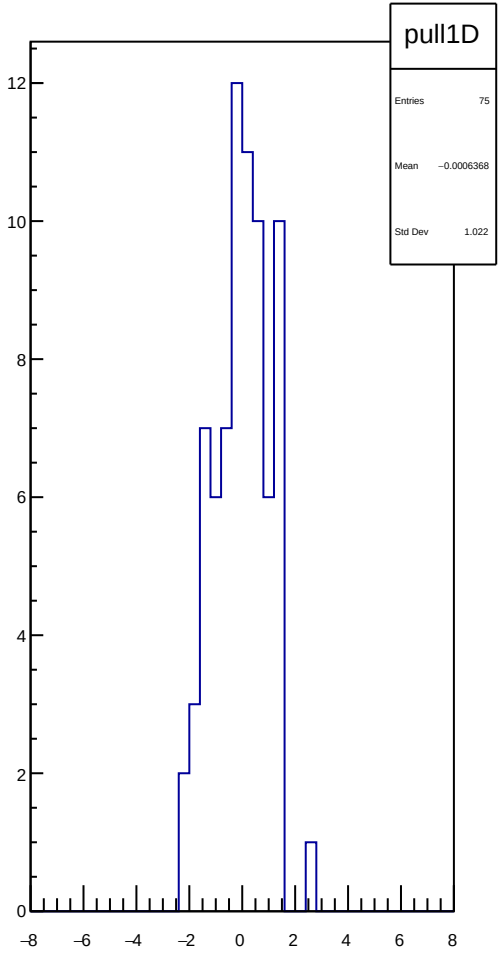

dit_asym_atr_dd_rms vs run
χ^2 / ndf 83.52 / 74
p0 1946 ± 1.599
2000
1980
1960
1940
1920
1900

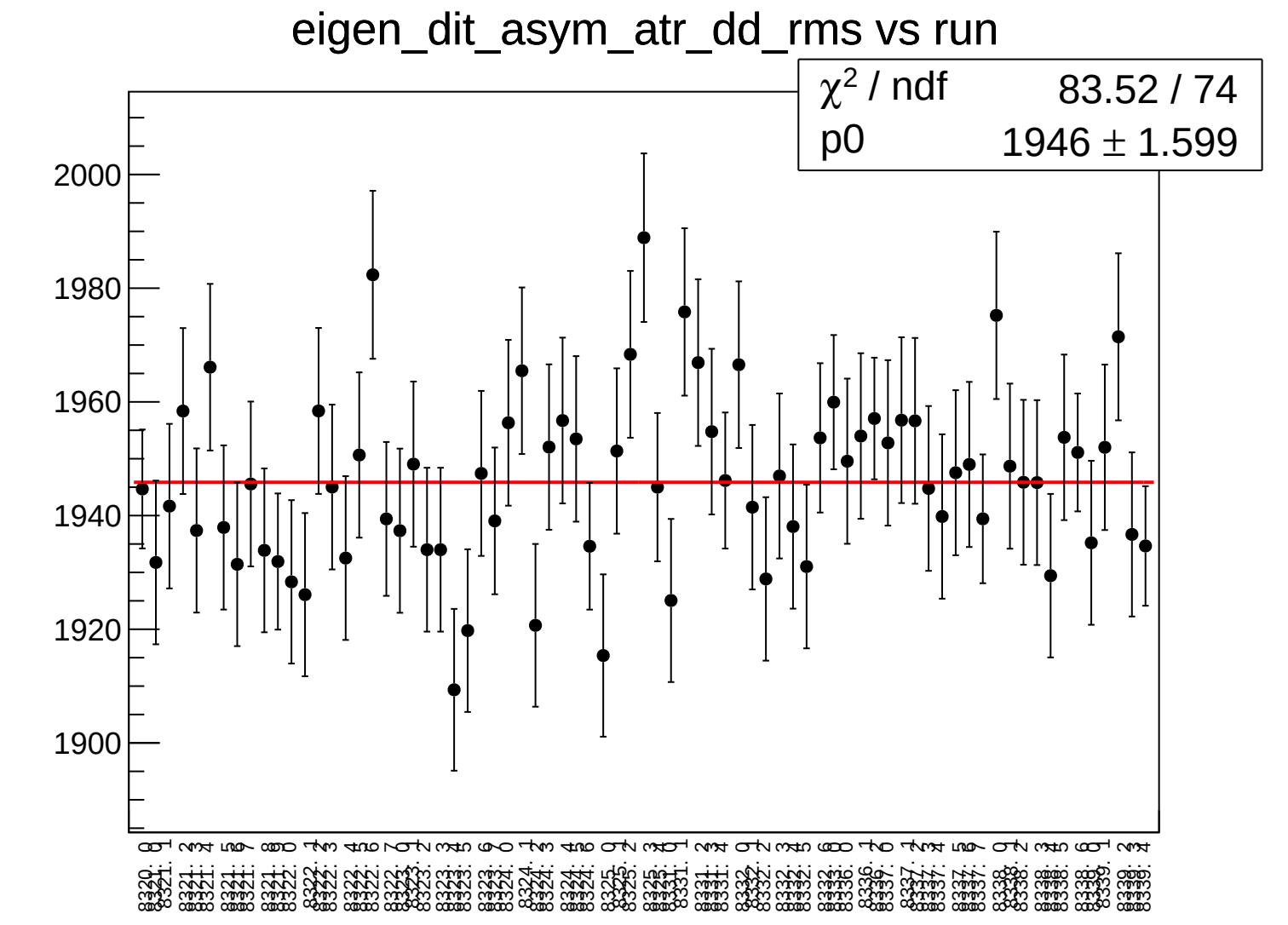

asym_atr_dd_dit_correction_mean vs run
χ² / ndf 81.88 / 74
p0 3018 ± 7514
×10³
200
100
0
−100
−200
pull
Entries 75
Mean −792.8
Std Dev 0
2
1
0
−1
−2

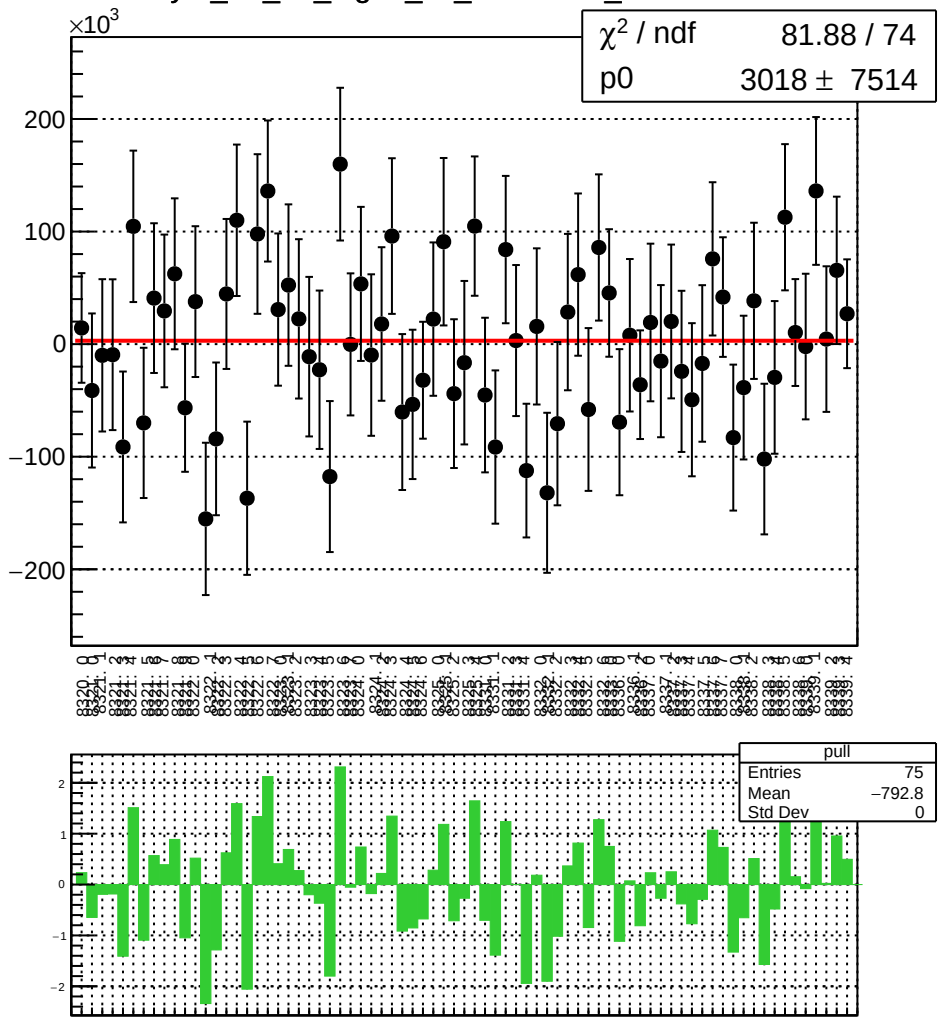

pull1D
Entries 75
Mean −0.001178
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

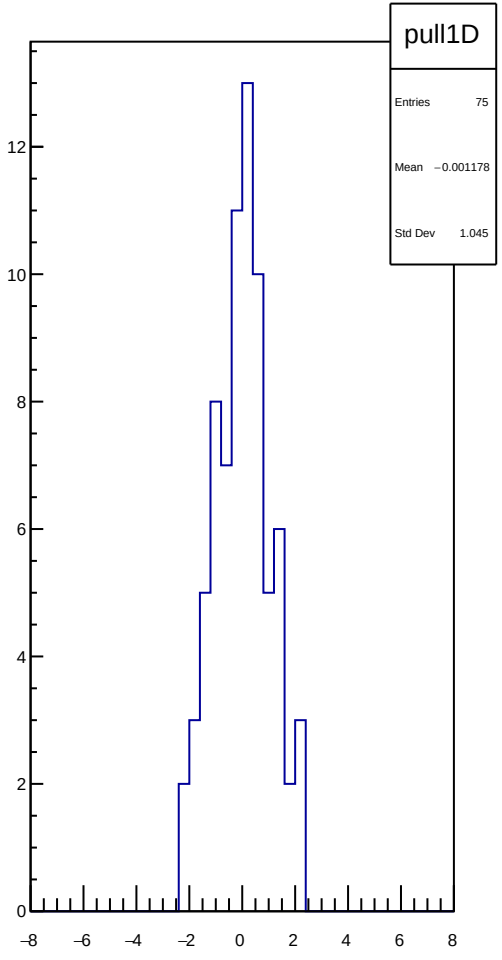

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 1492 / 74
p0 6461 ± 5.313
7200
7000
6800
6600
6400
6200
6000

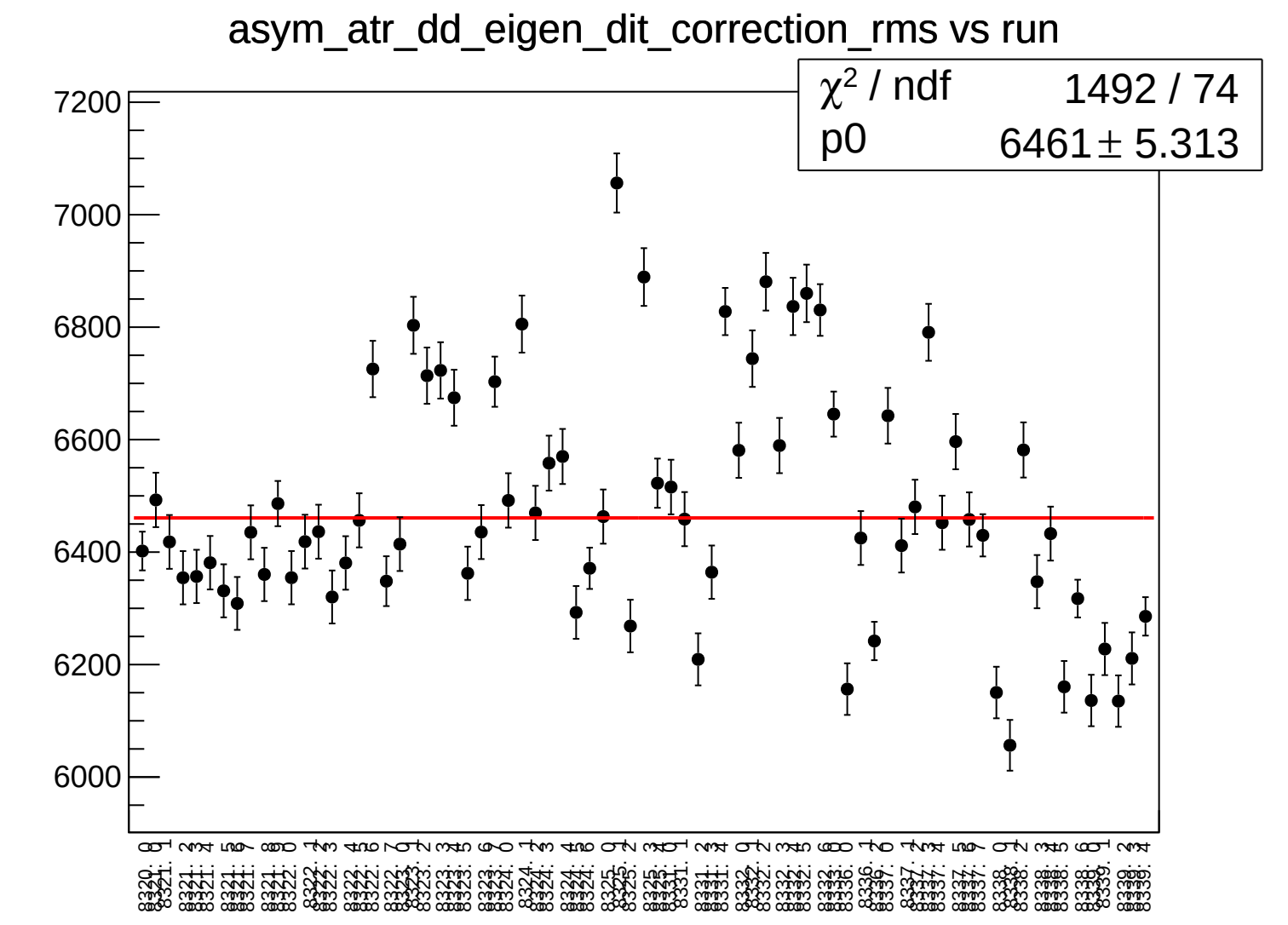

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 78.36 / 74
p0 −1355 ± 2262
pull
Entries 75
Mean −2370
Std Dev 0

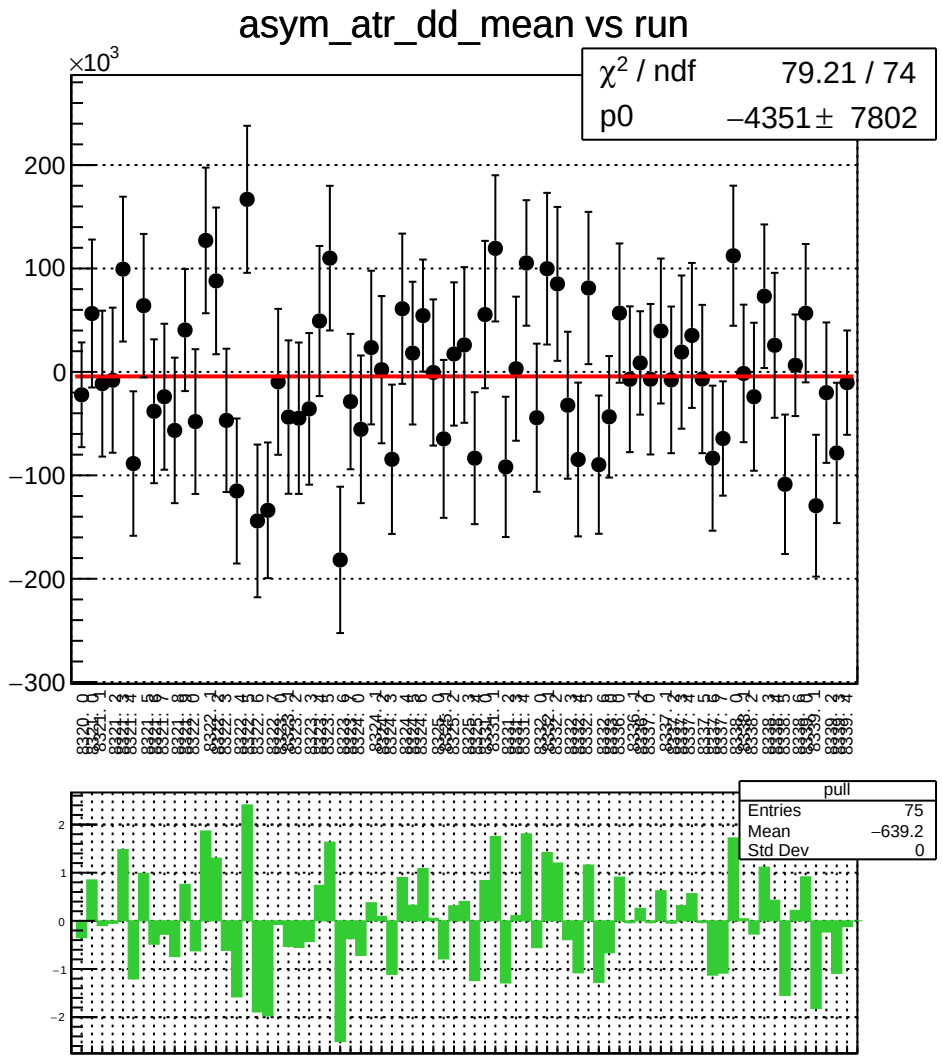

pull1D
Entries 75
Mean −0.0006368
Std Dev 1.022

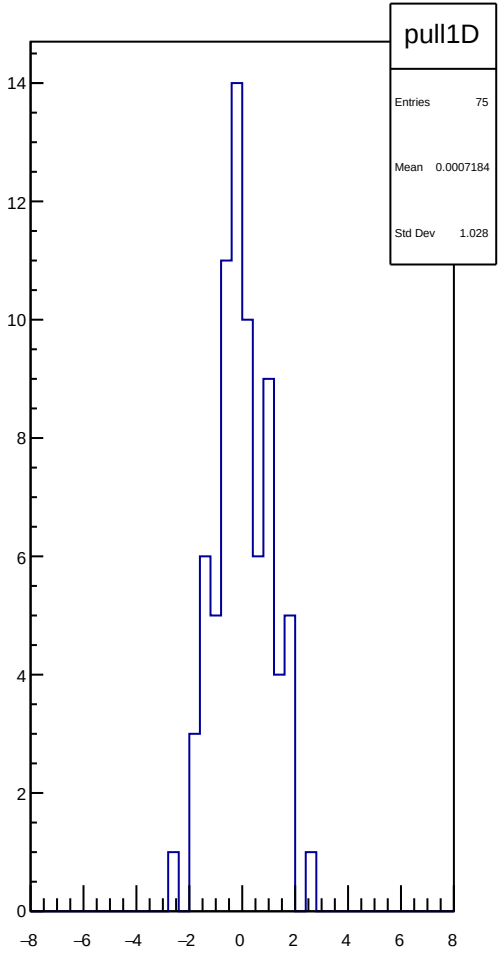

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 83.52 / 74
p0 1946 ± 1.599
2000
1980
1960
1940
1920
1900

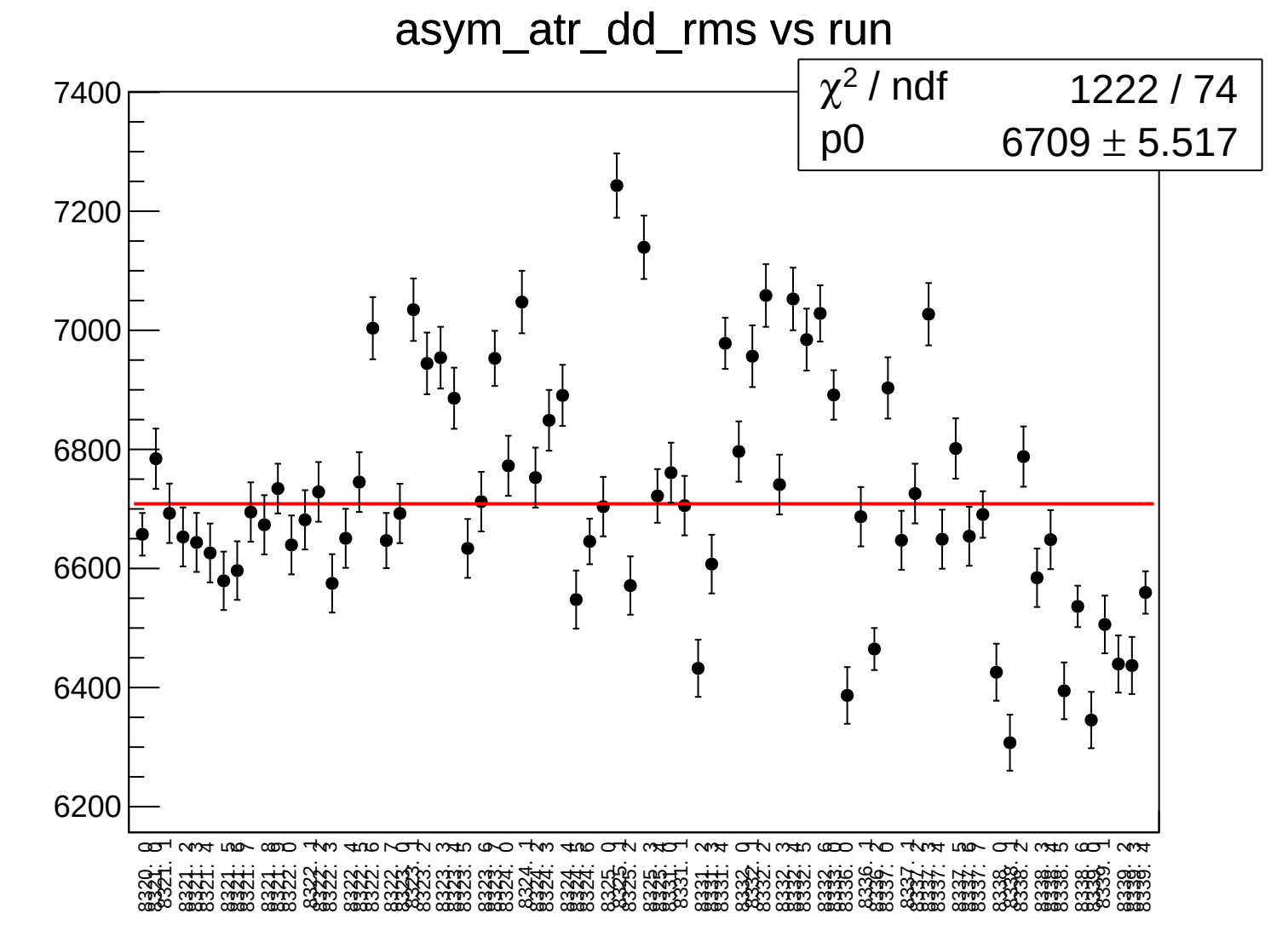

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.88 / 74
p0 3018 ± 7514
200
100
0
−100
−200
pull
Entries 75
Mean −792.8
Std Dev 0
2
1
0
−1
−2

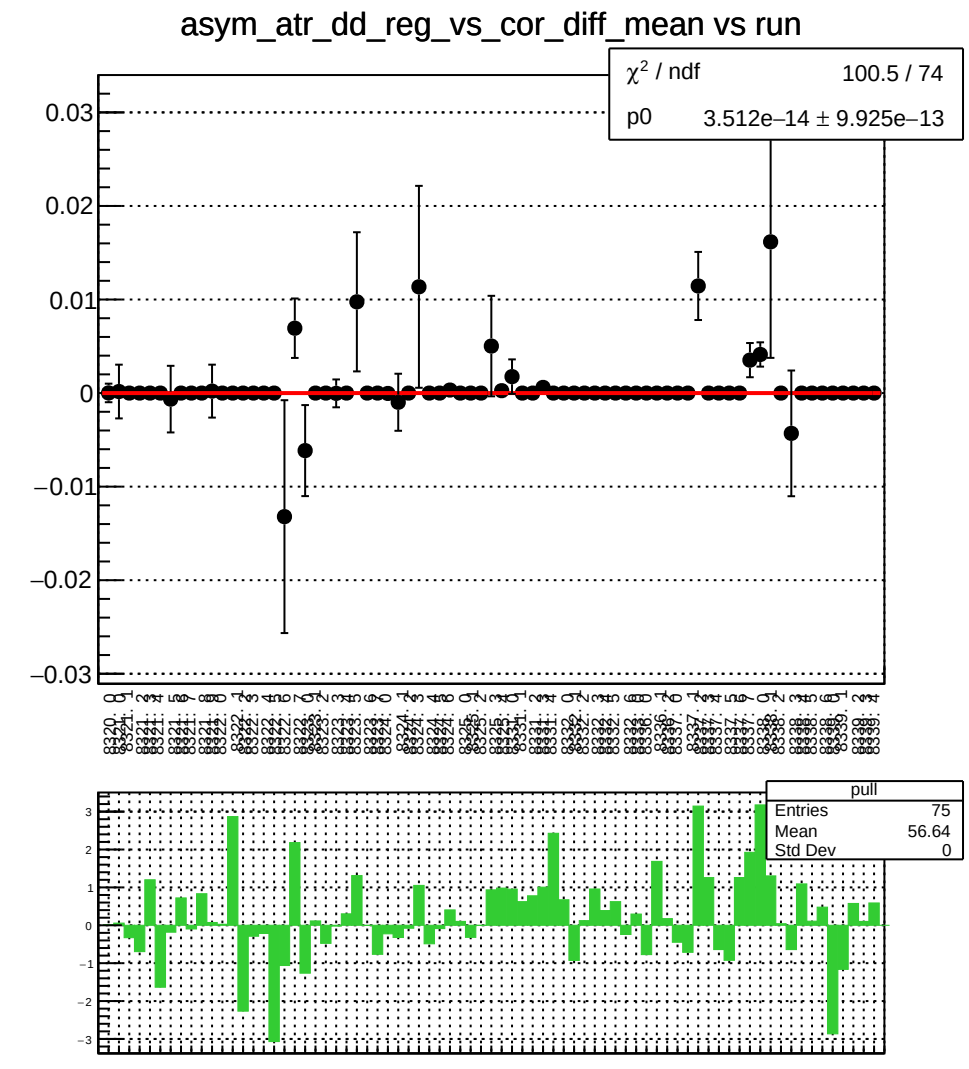

pull1D
Entries 75
Mean −0.001178
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

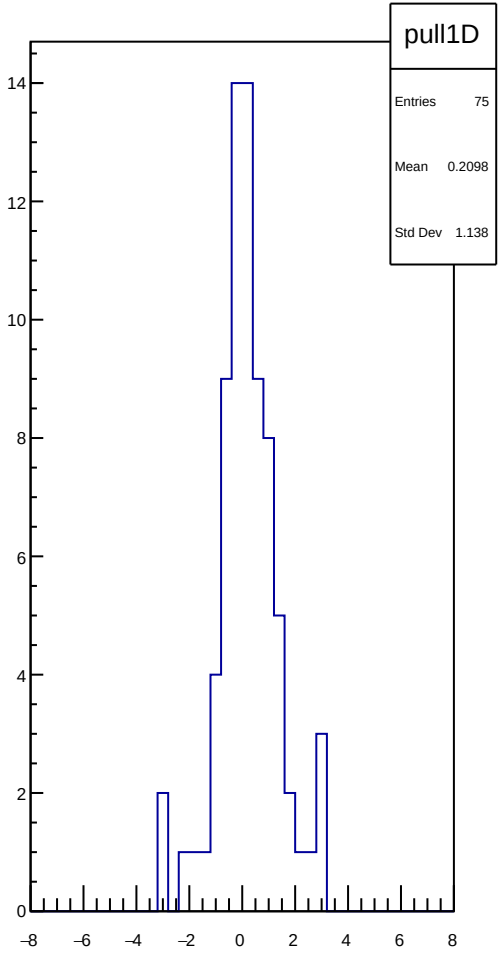

asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 1492 / 74
p0 6461 ± 5.313
7200
7000
6800
6600
6400
6200
6000

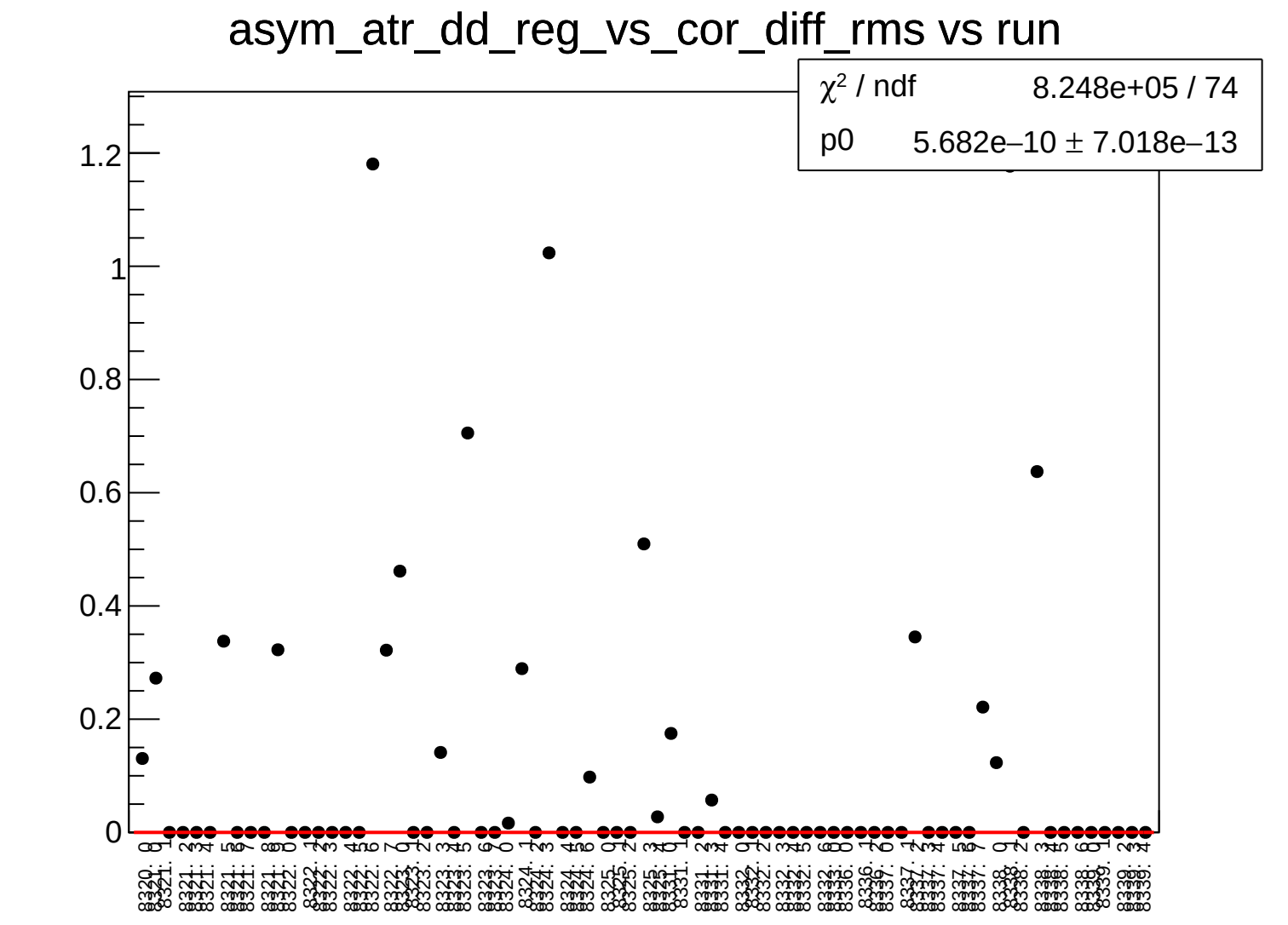

asym_atr_dd_mean vs run
×10^3
χ² / ndf 79.21 / 74
p0 −4351 ± 7802
200
100
0
−100
−200
−300
pull
Entries 75
Mean −639.2
Std Dev 0
2
1
0
−1
−2

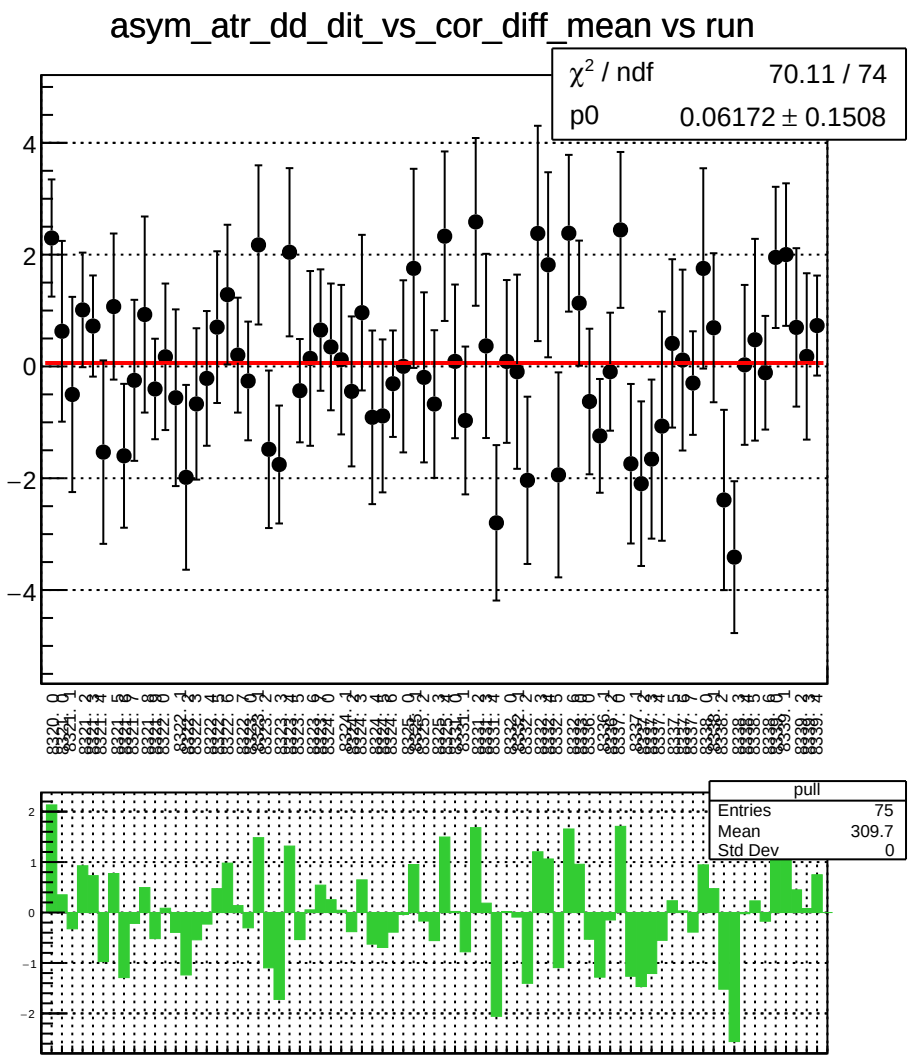

pull1D
Entries 75
Mean 0.0007184
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

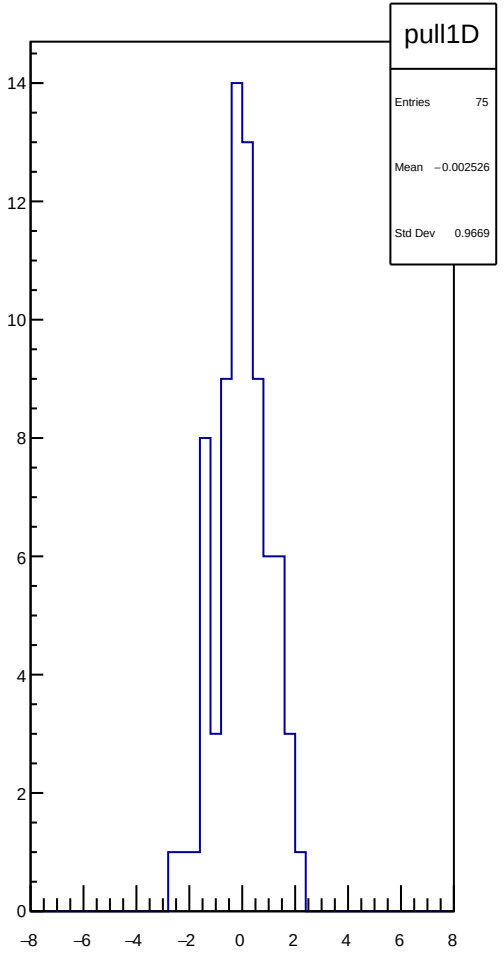

asym_atr_dd_rms vs run
χ^2 / ndf 1222 / 74
p0 6709 ± 5.517
7400
7200
7000
6800
6600
6400
6200

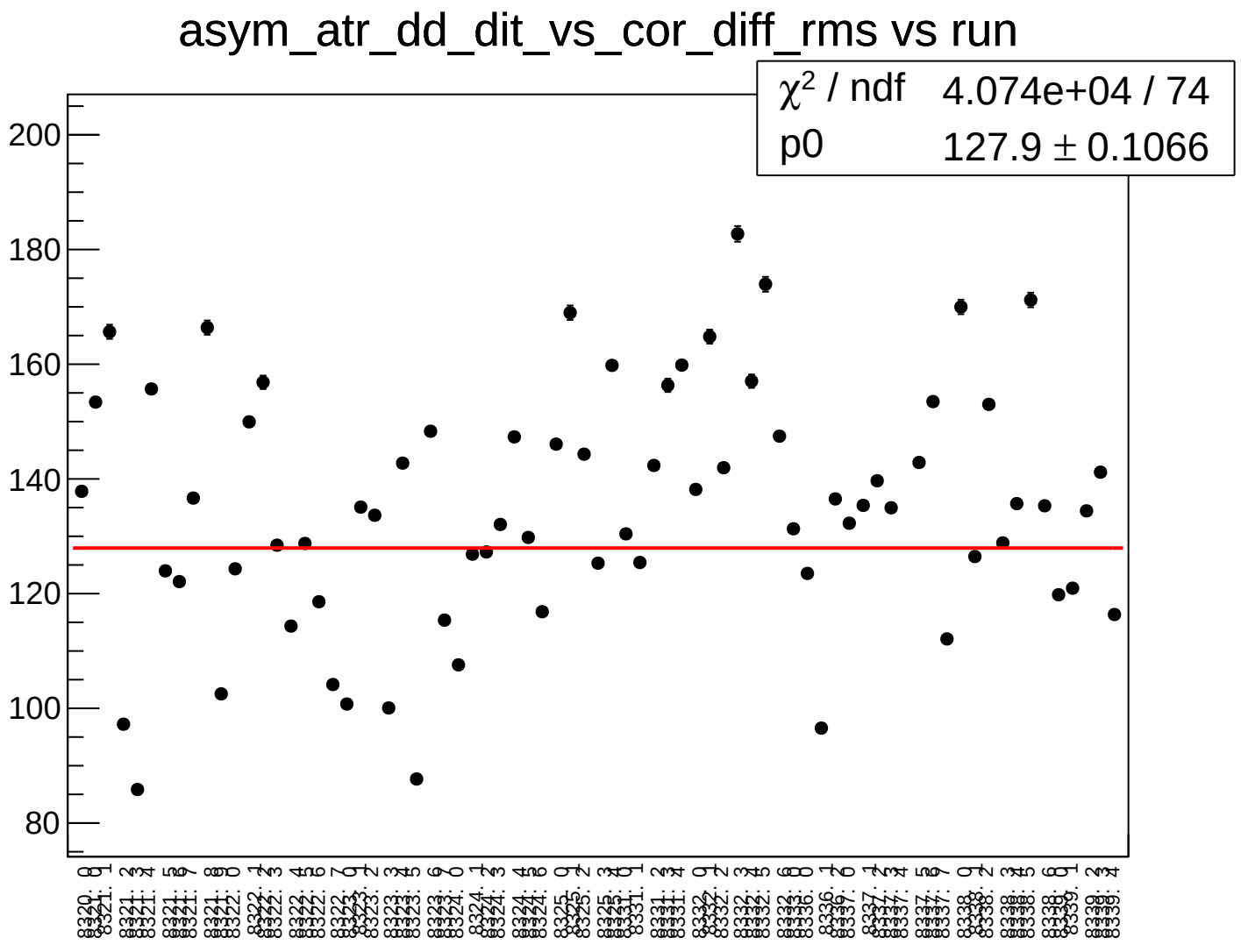

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 100.5 / 74
p0 3.512e−14 ± 9.925e−13
pull
Entries 75
Mean 56.64
Std Dev 0

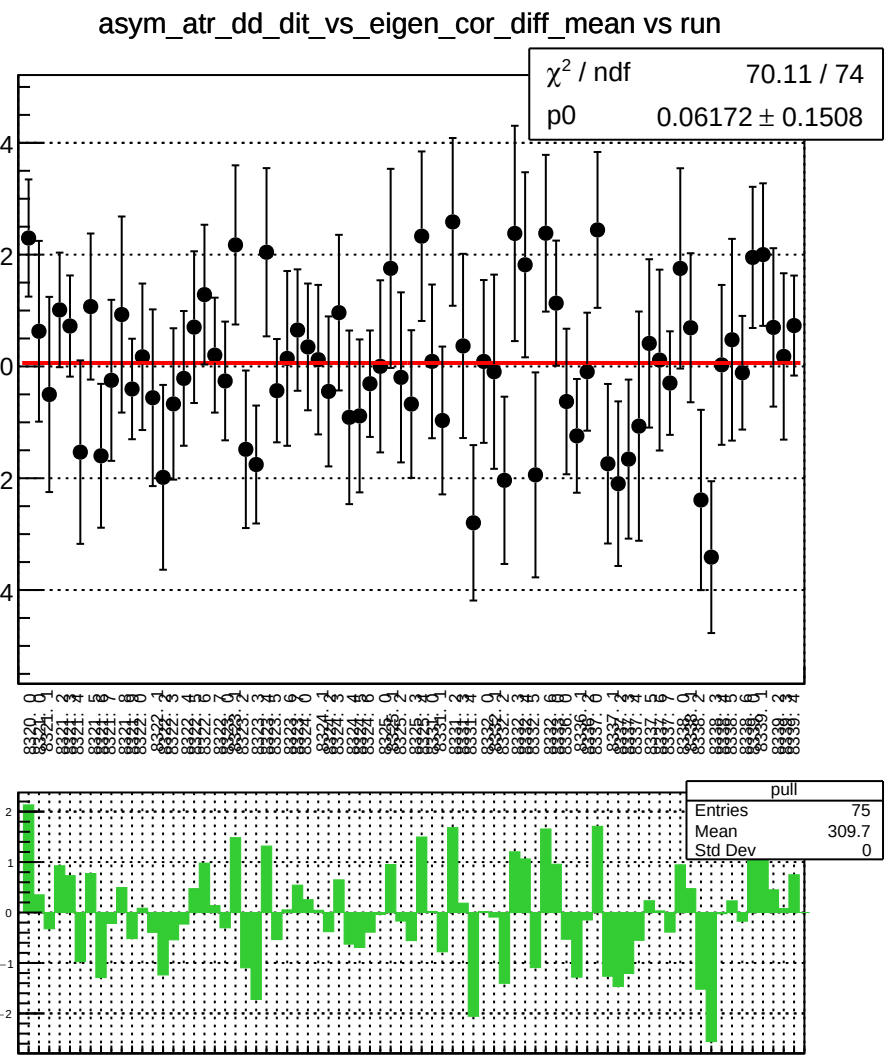

pull1D
Entries 75
Mean 0.2098
Std Dev 1.138

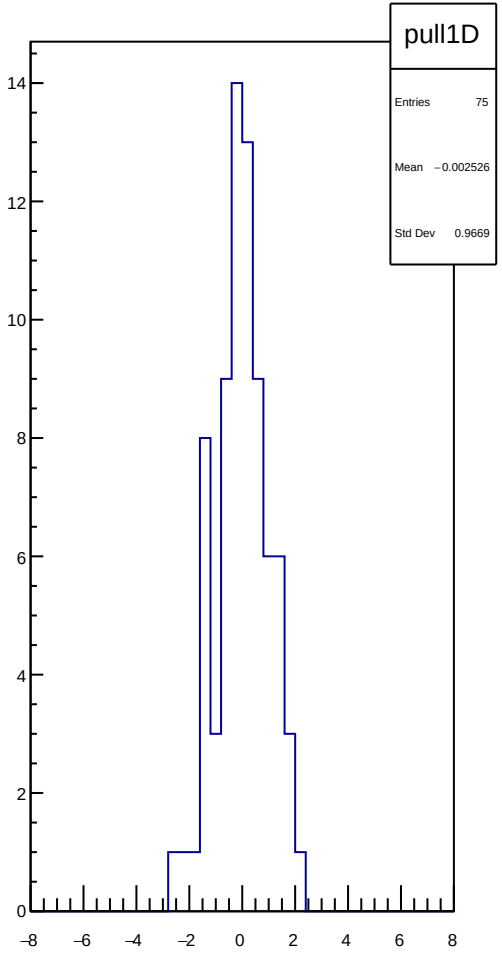

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.248e+05 / 74
p0 5.682e−10 ± 7.018e−13
1.2
1
0.8
0.6
0.4
0.2
0

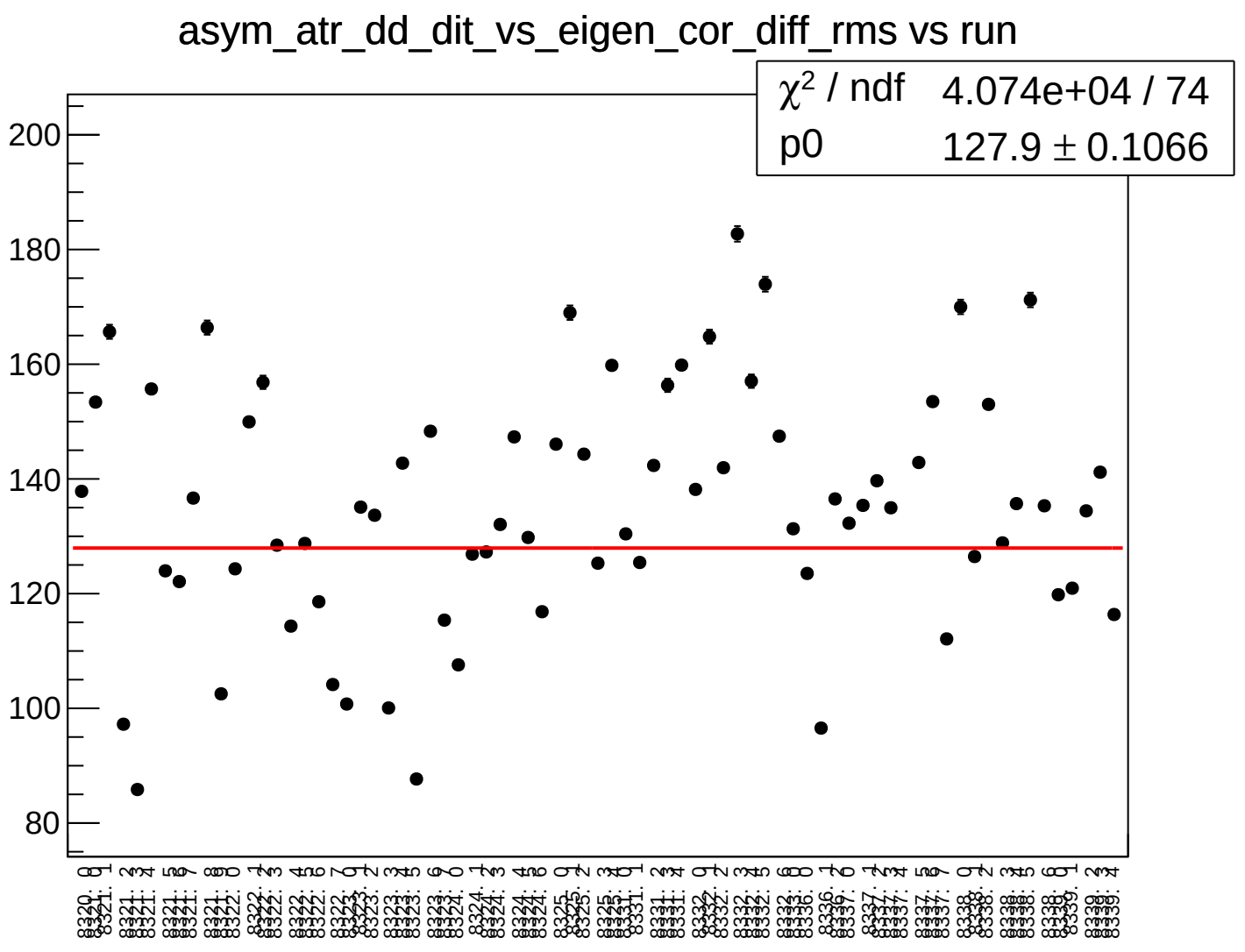

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06172 ± 0.1508
pull
Entries 75
Mean 309.7
Std Dev 0

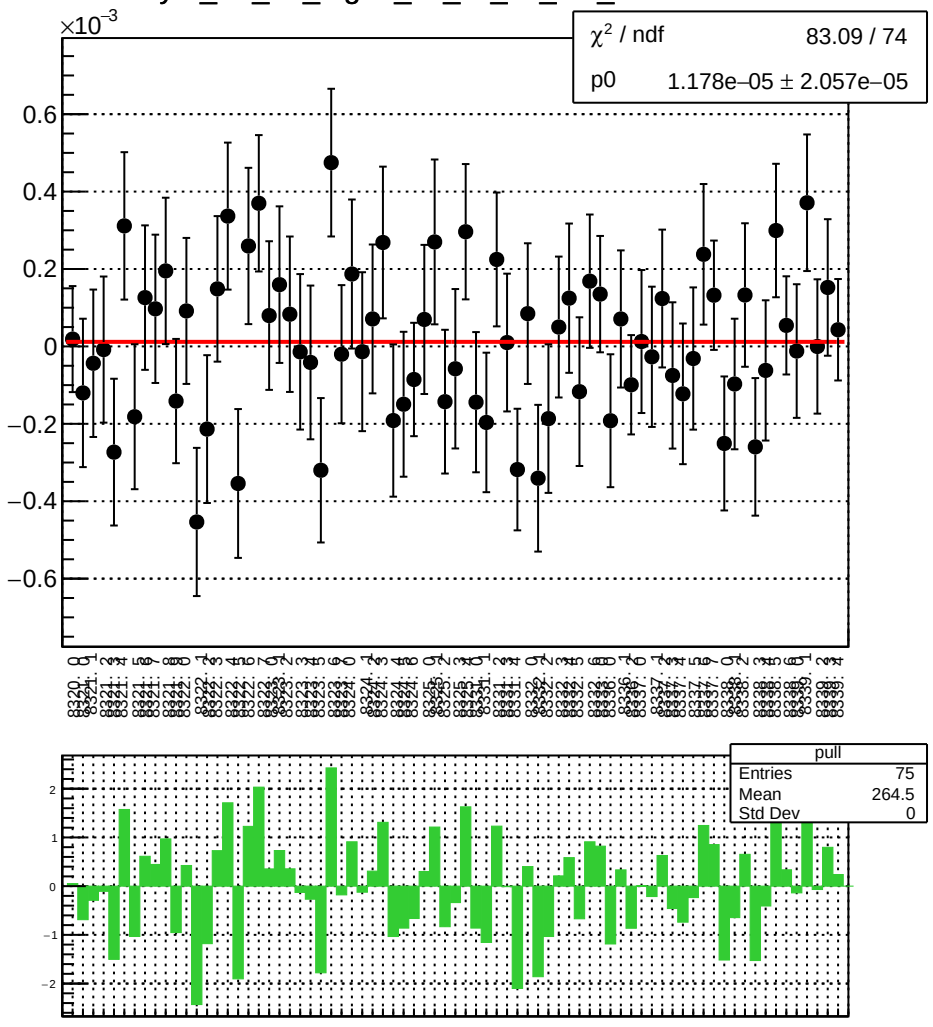

pull1D
Entries 75
Mean −0.002526
Std Dev 0.9669

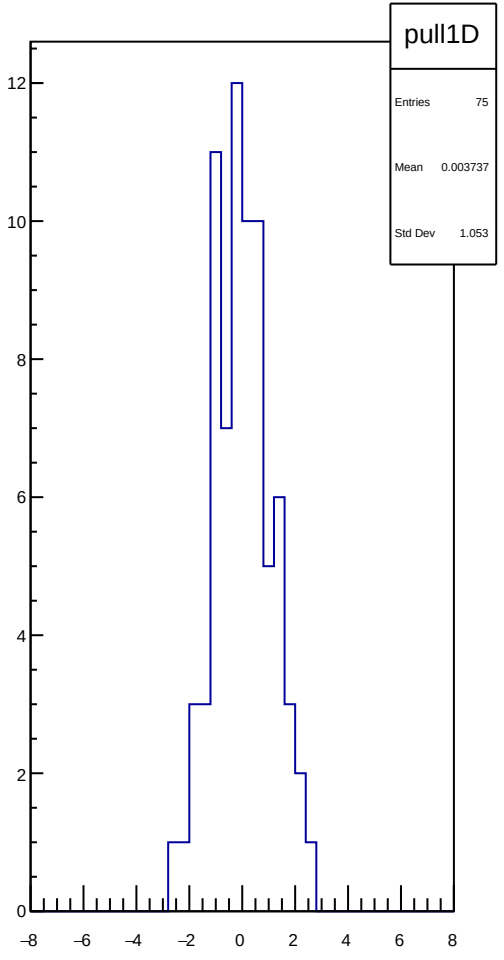

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.074e+04 / 74
p0 127.9 ± 0.1066
200
180
160
140
120
100
80

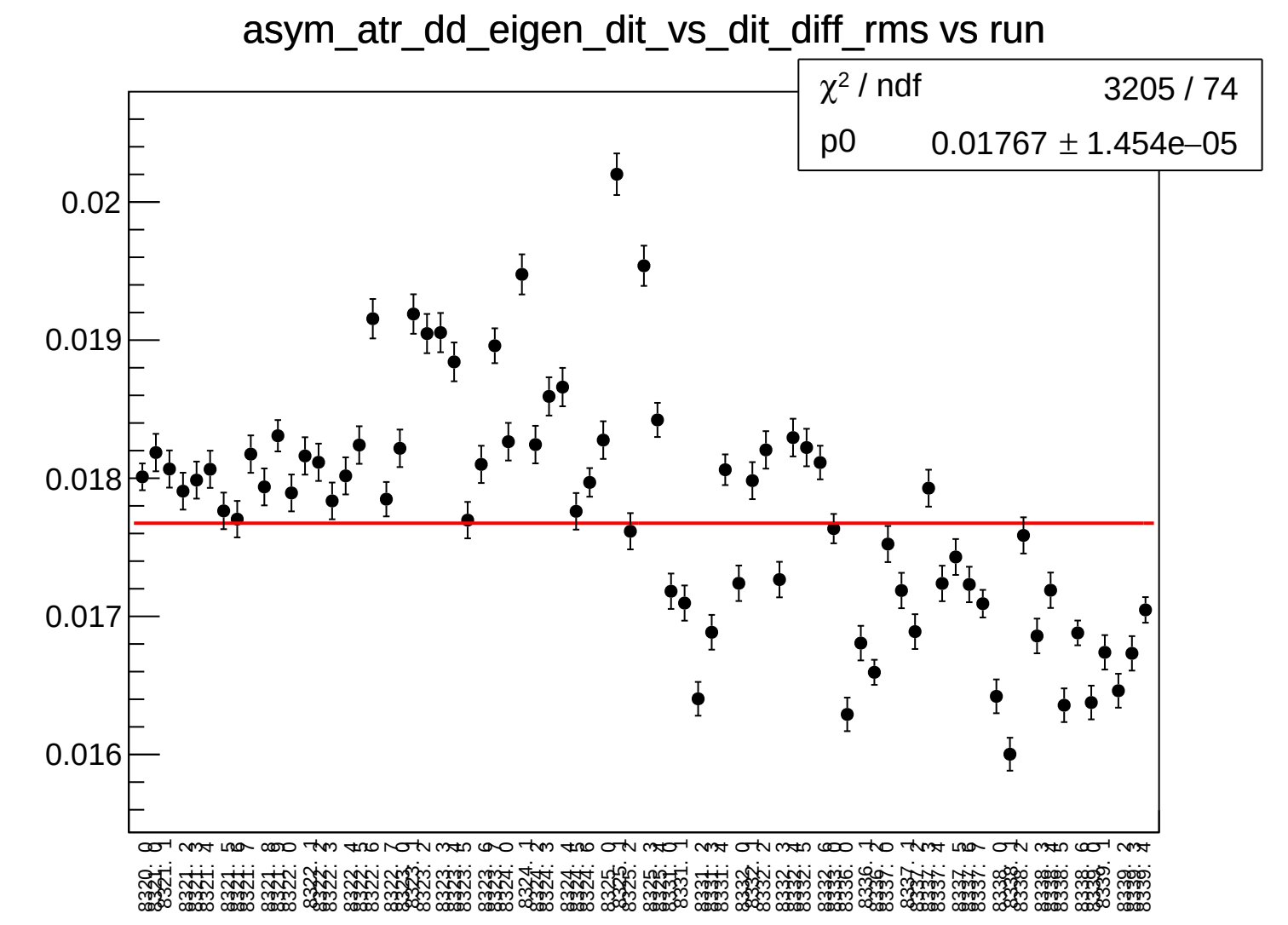

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06172 ± 0.1508
pull
Entries 75
Mean 309.7
Std Dev 0

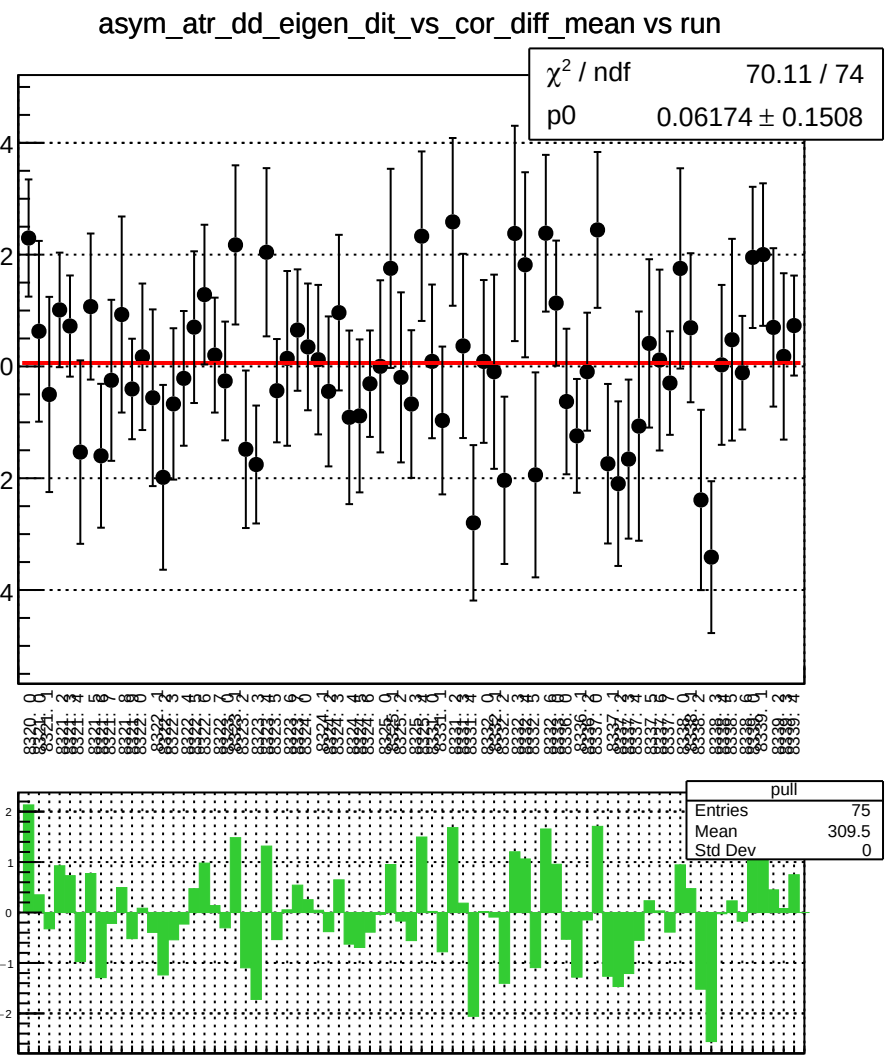

pull1D
Entries 75
Mean −0.002526
Std Dev 0.9669

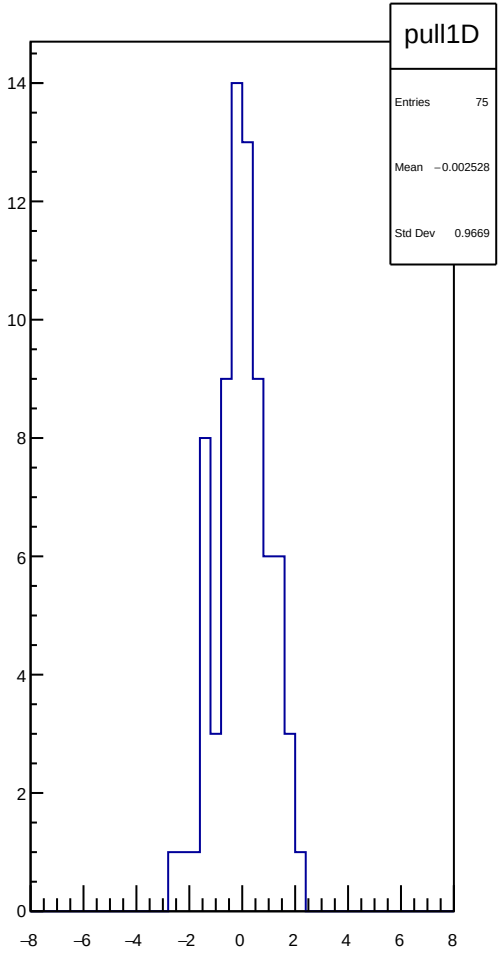

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.074e+04 / 74
p0 127.9 ± 0.1066
200
180
160
140
120
100
80

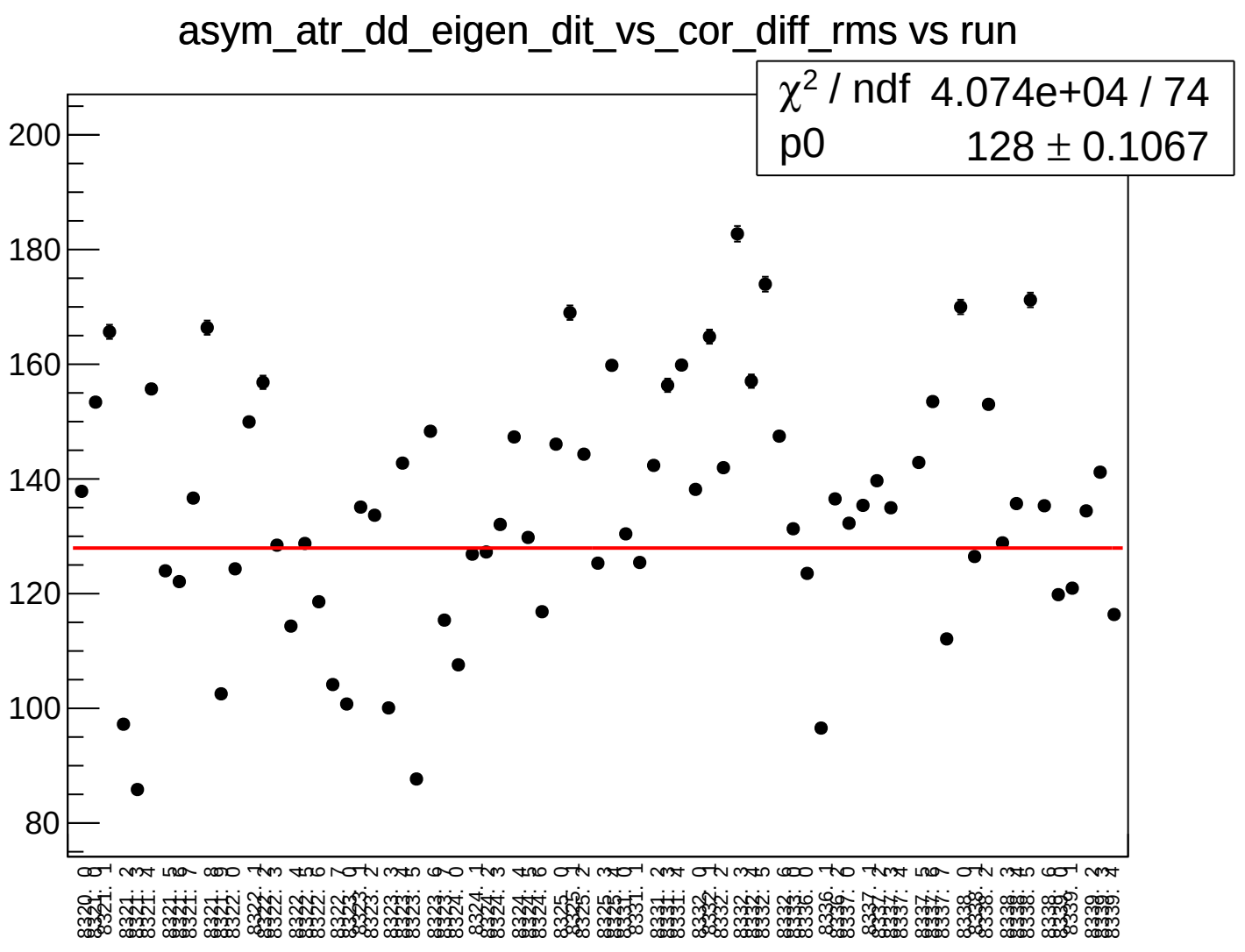

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.09 / 74
p0 1.178e−05 ± 2.057e−05
pull
Entries 75
Mean 264.5
Std Dev 0

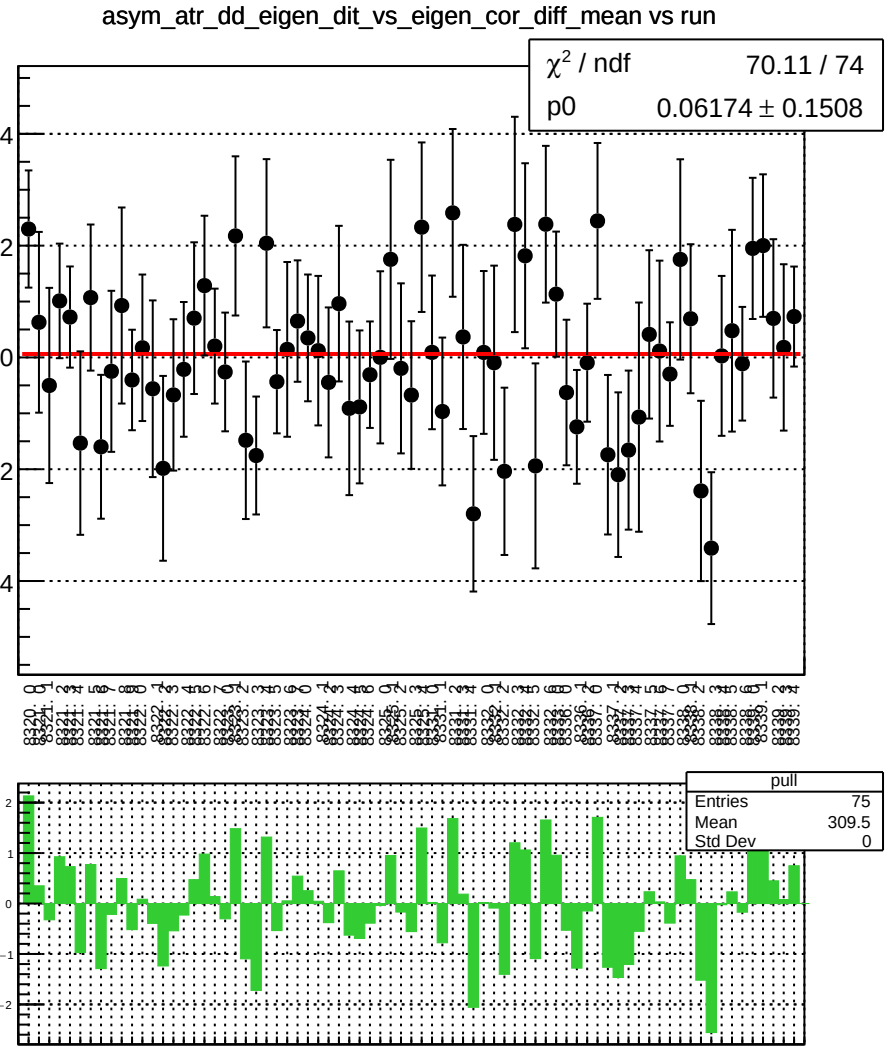

pull1D
Entries 75
Mean 0.003737
Std Dev 1.053

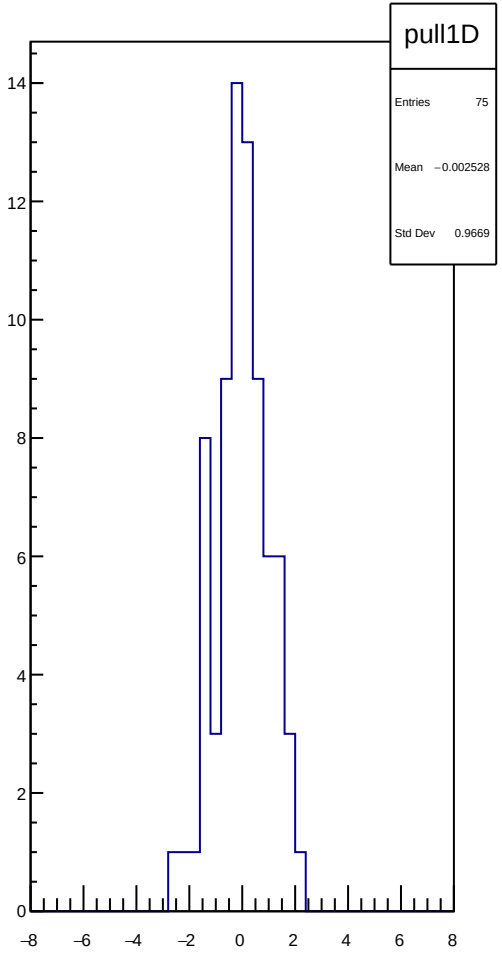

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3205 / 74
p0 0.01767 ± 1.454e−05
0.02
0.019
0.018
0.017
0.016

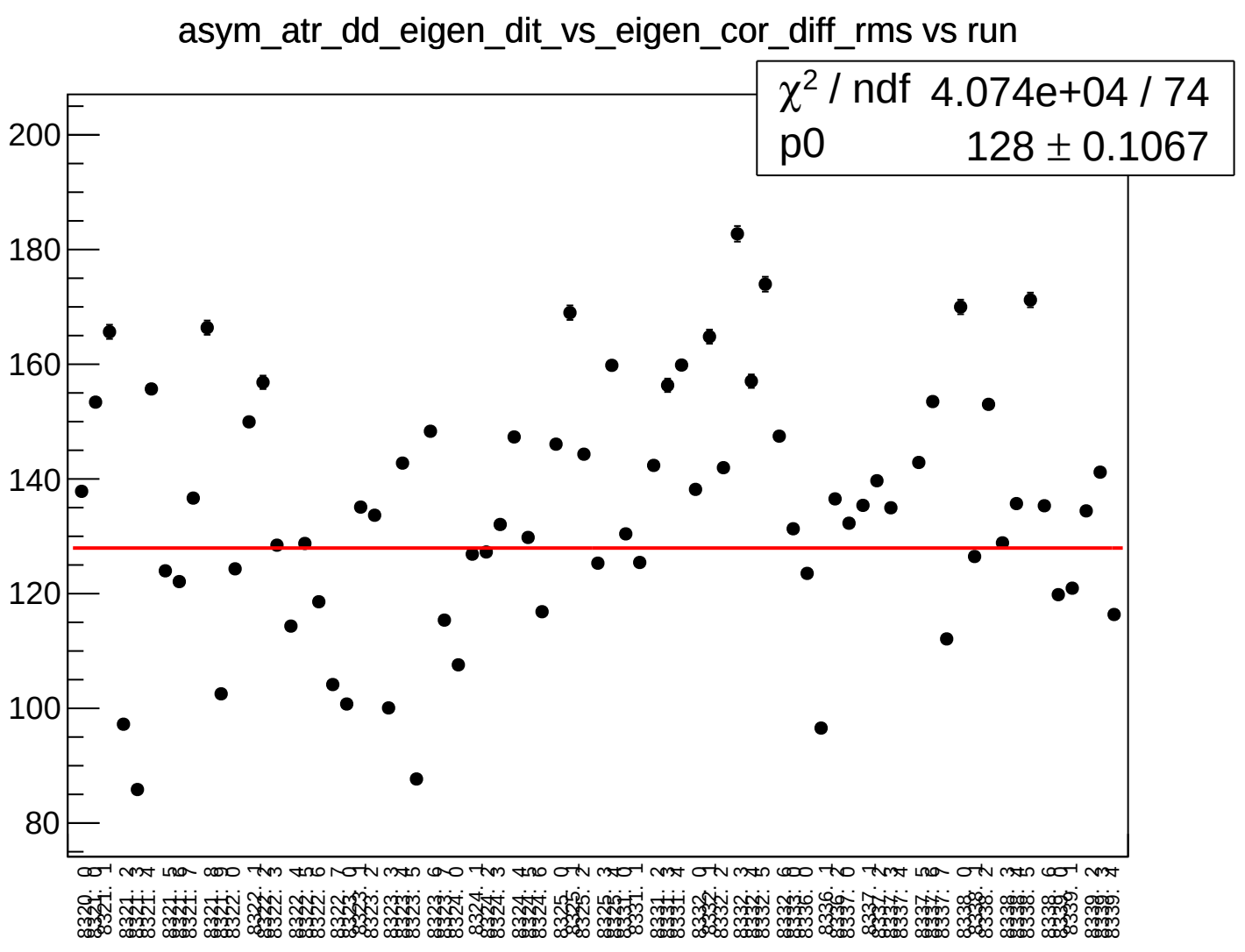

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06174 ± 0.1508
pull
Entries 75
Mean 309.5
Std Dev 0

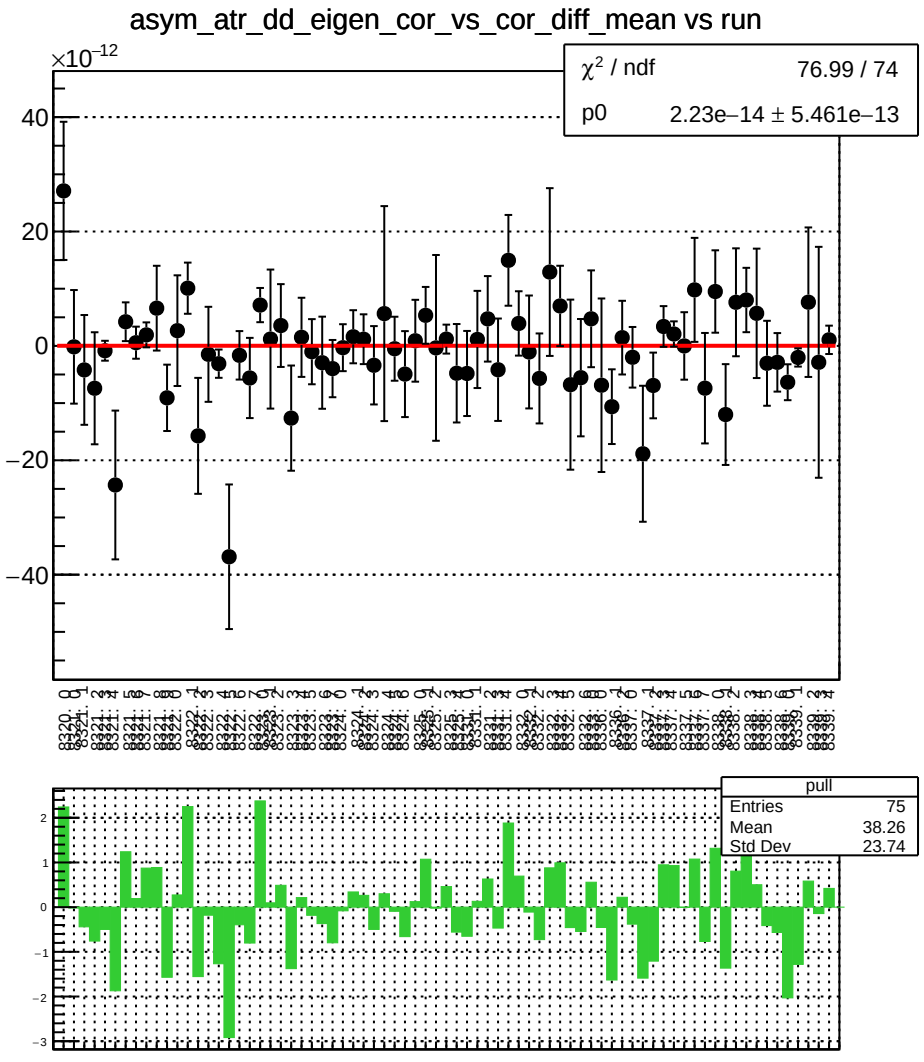

pull1D
Entries 75
Mean −0.002528
Std Dev 0.9669

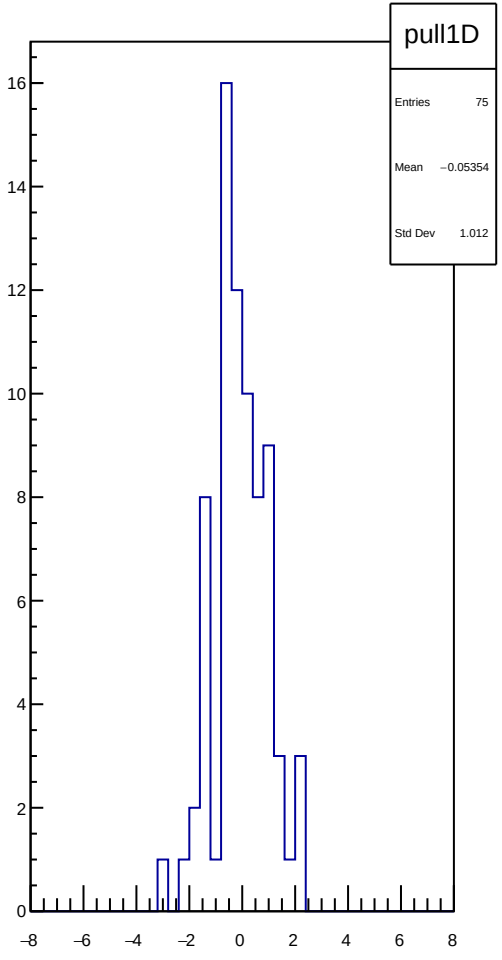

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.074e+04 / 74
p0 128 ± 0.1067
200
180
160
140
120
100
80

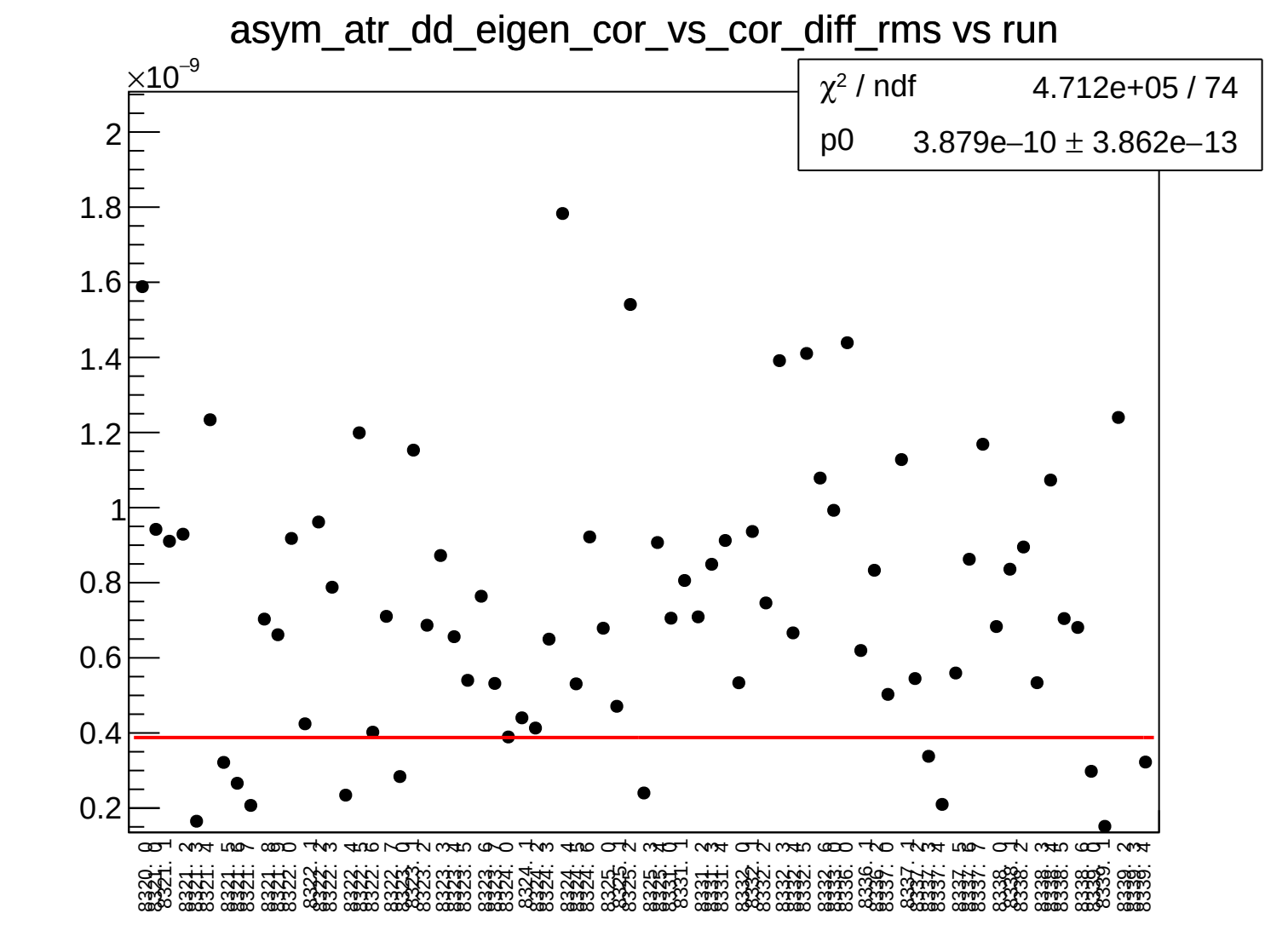

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.11 / 74
p0 0.06174 ± 0.1508
pull
Entries 75
Mean 309.5
Std Dev 0

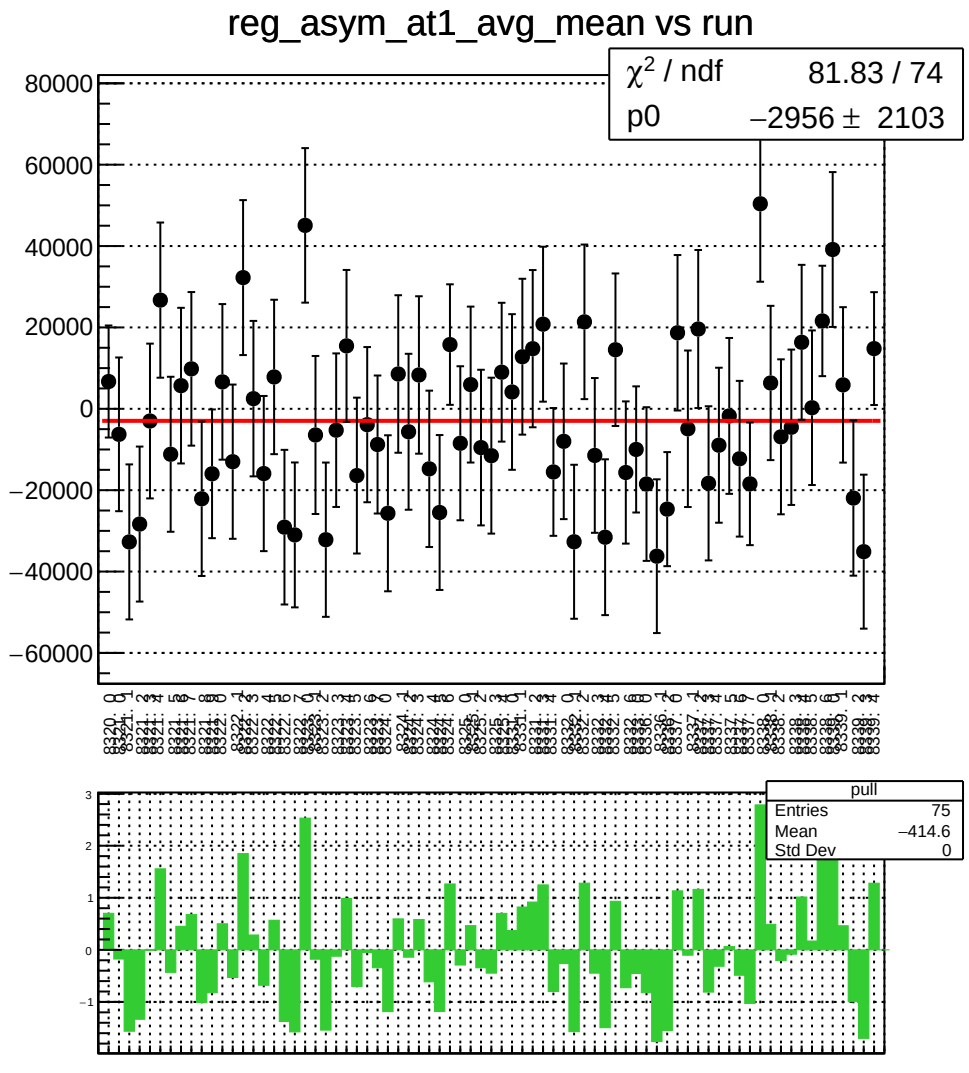

pull1D
Entries 75
Mean −0.002528
Std Dev 0.9669

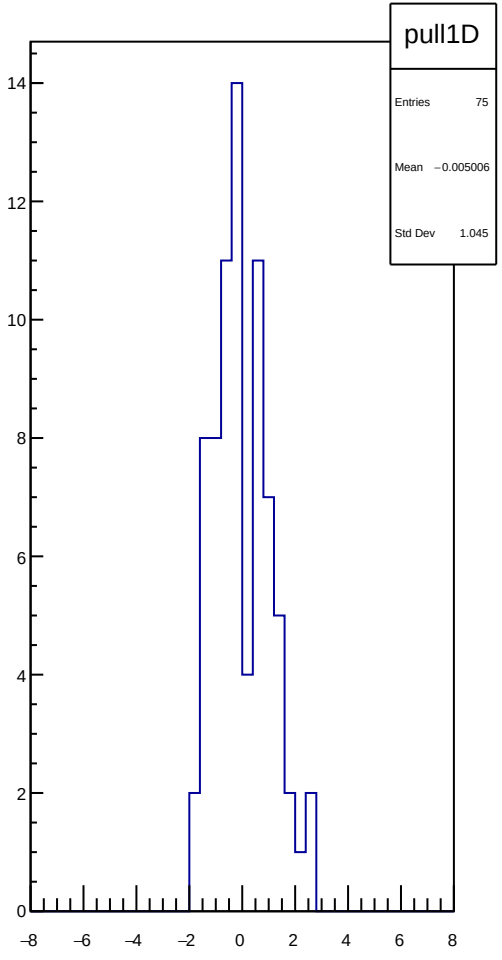

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.074e+04 / 74
p0 128 ± 0.1067
200
180
160
140
120
100
80

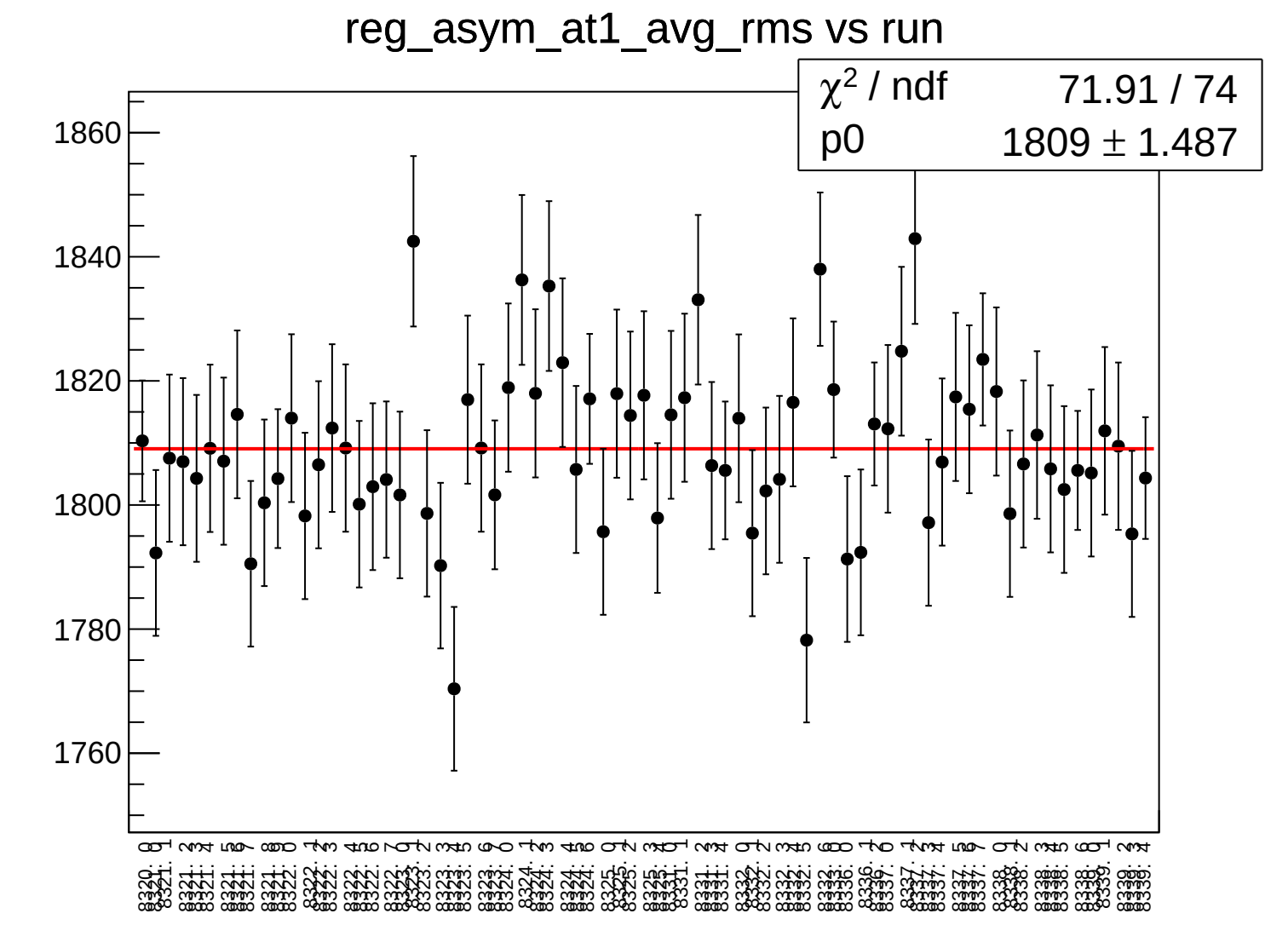

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.99 / 74
p0 2.23e−14 ± 5.461e−13
pull
Entries 75
Mean 38.26
Std Dev 23.74

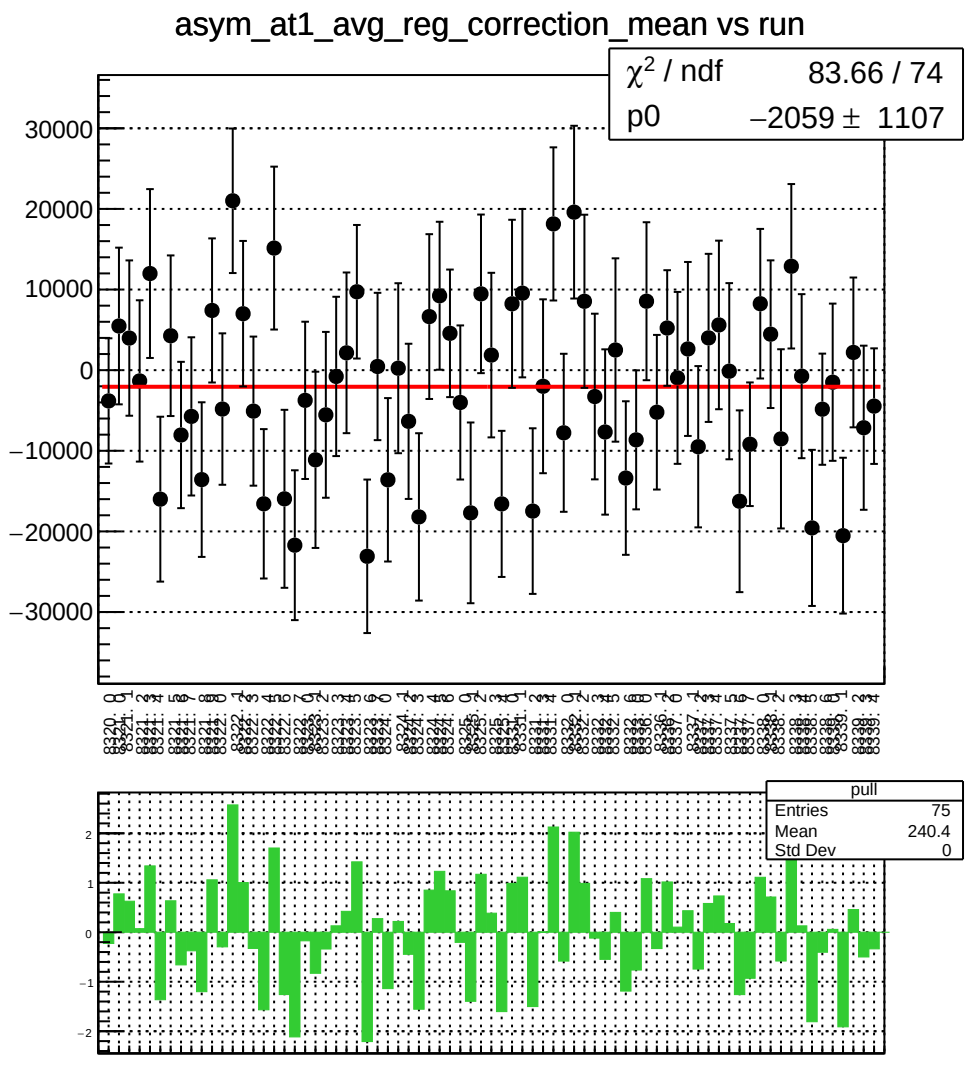

pull1D
Entries 75
Mean −0.05354
Std Dev 1.012

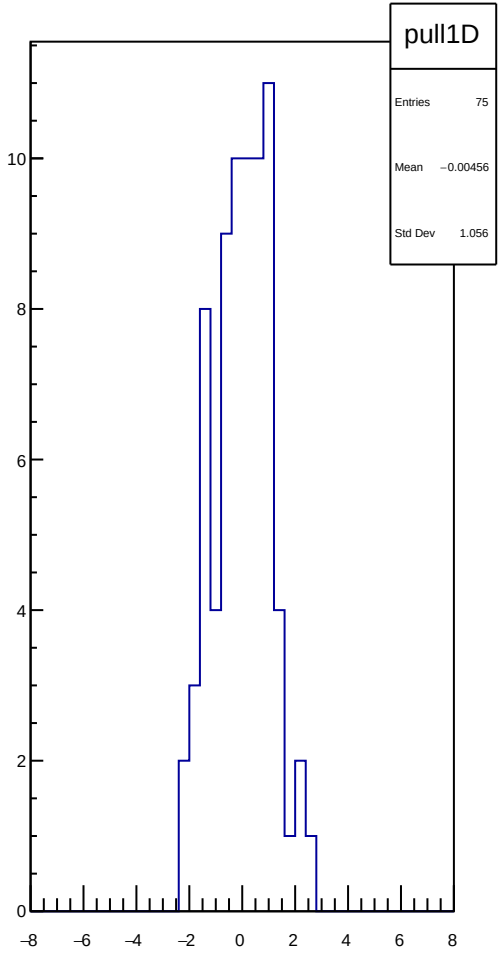

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.712e+05 / 74
p0 3.879e−10 ± 3.862e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

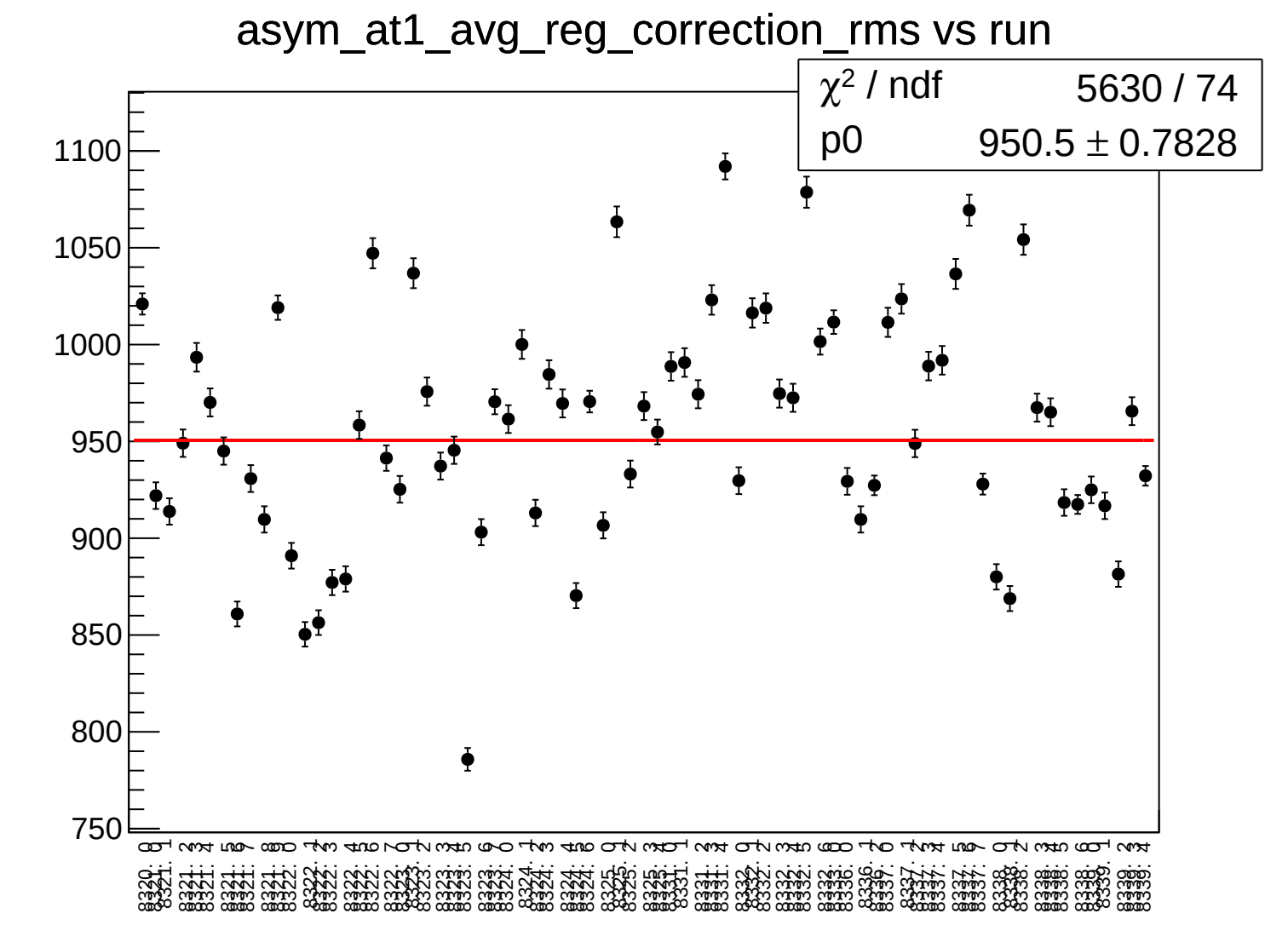

reg_asym_at1_avg_mean vs run
χ² / ndf 81.83 / 74
p0 −2956 ± 2103
pull
Entries 75
Mean −414.6
Std Dev 0

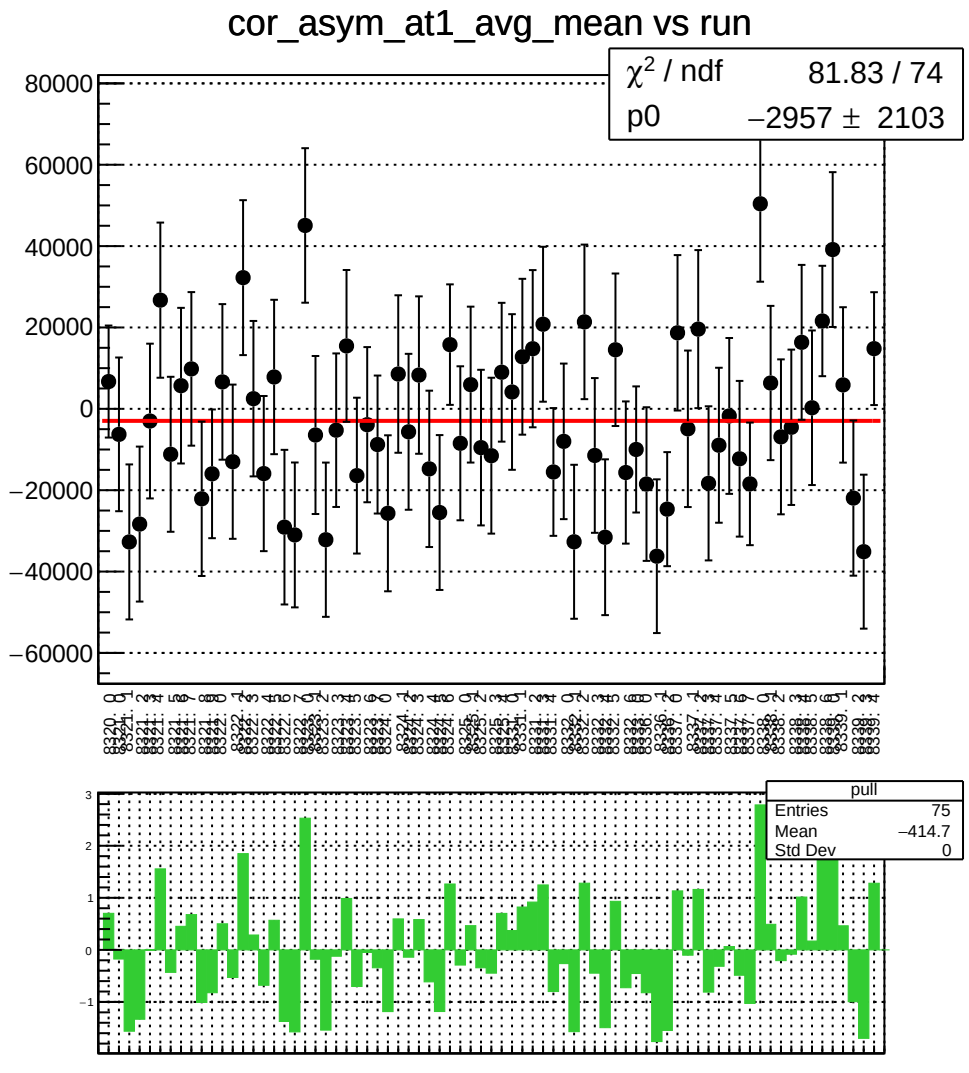

pull1D
Entries 75
Mean −0.005006
Std Dev 1.045

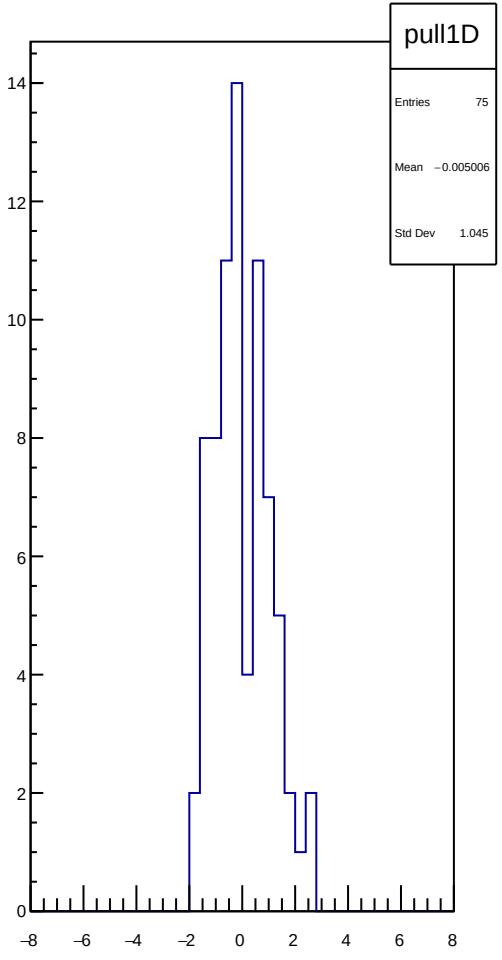

reg_asym_at1_avg_rms vs run
χ^2 / ndf 71.91 / 74
p0 1809 ± 1.487
1860
1840
1820
1800
1780
1760

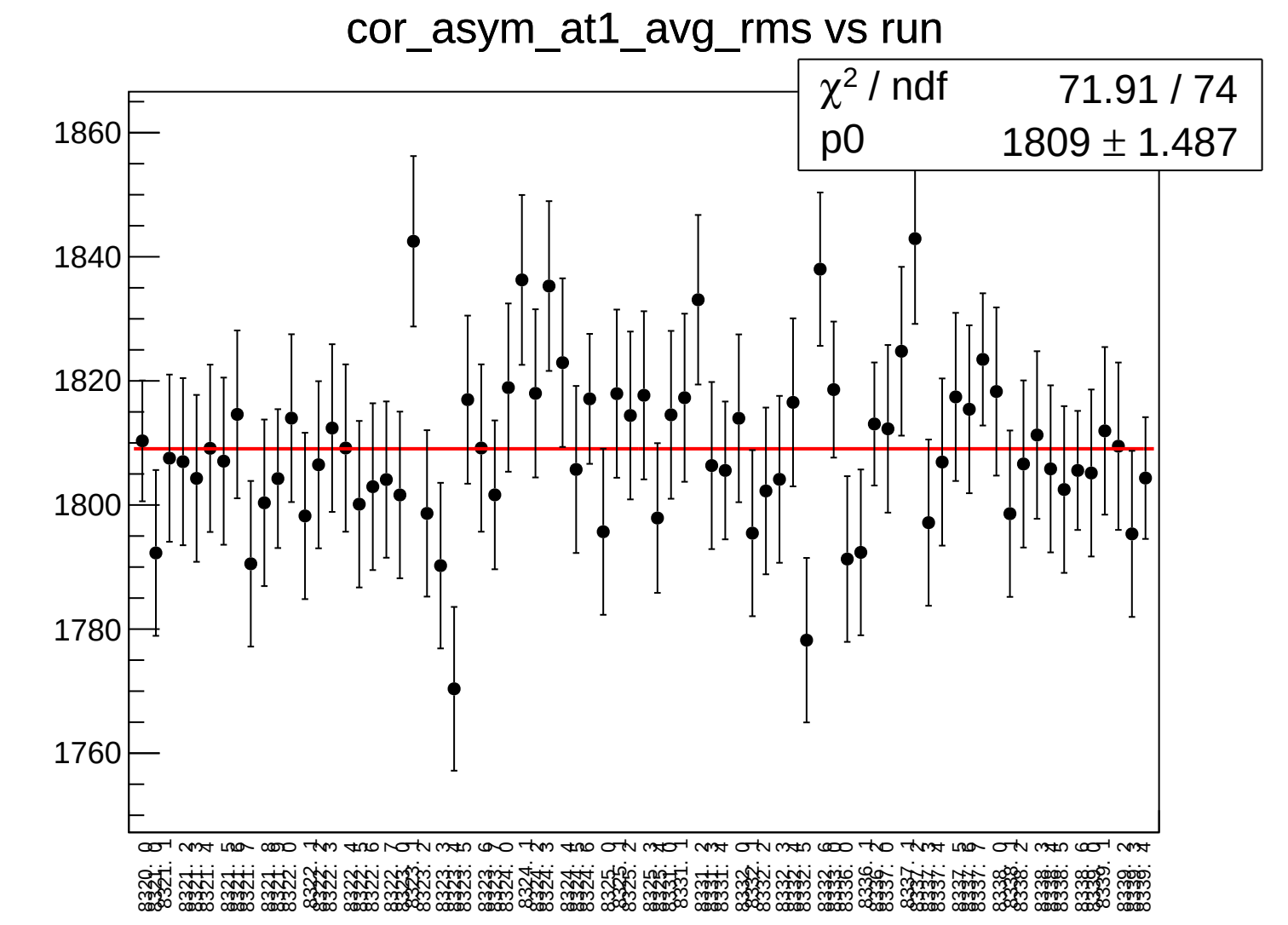

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 83.66 / 74
p0 −2059 ± 1107
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 240.4
Std Dev 0
2
1
0
−1
−2

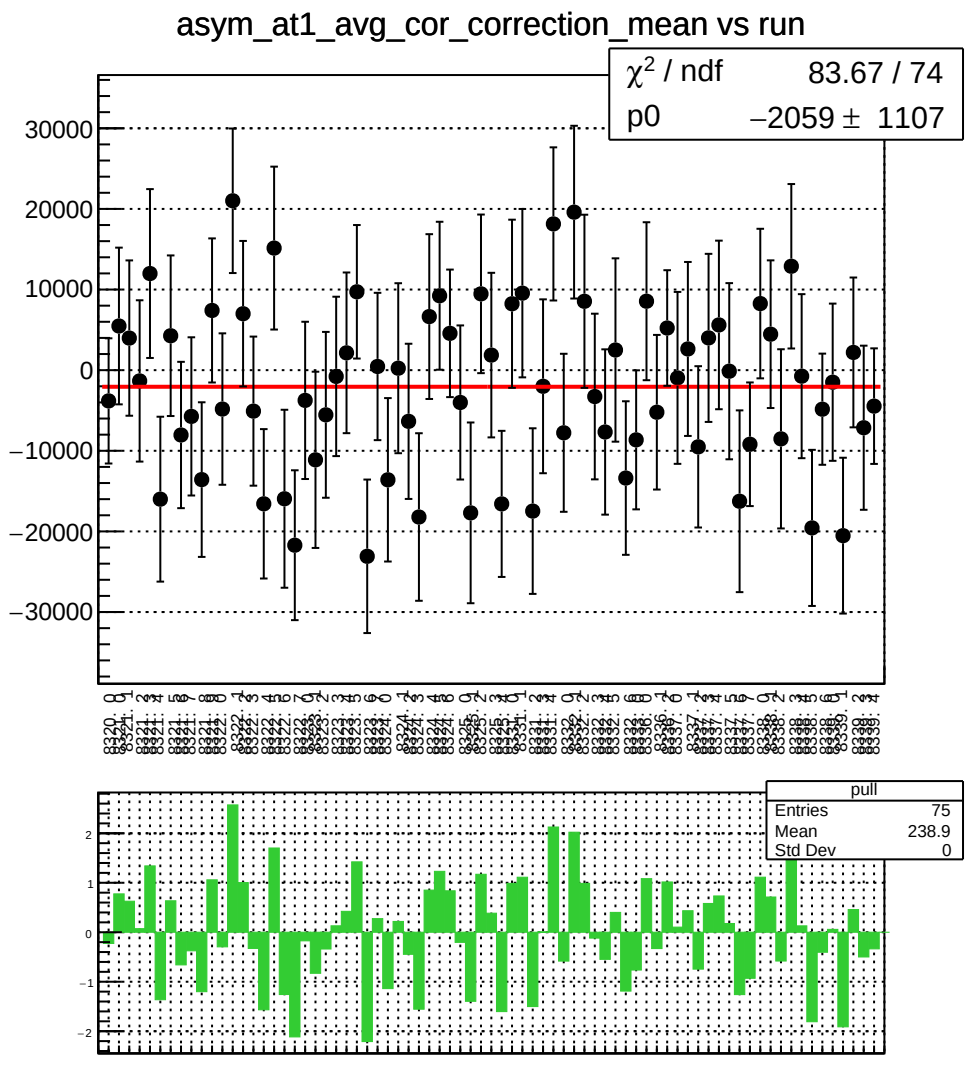

pull1D
Entries 75
Mean −0.00456
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

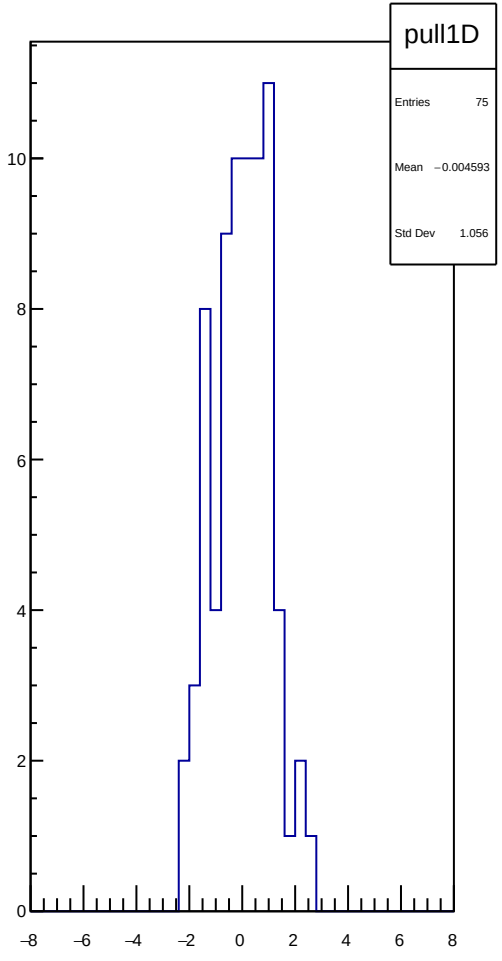

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 5630 / 74
p0 950.5 ± 0.7828
1100
1050
1000
950
900
850
800
750

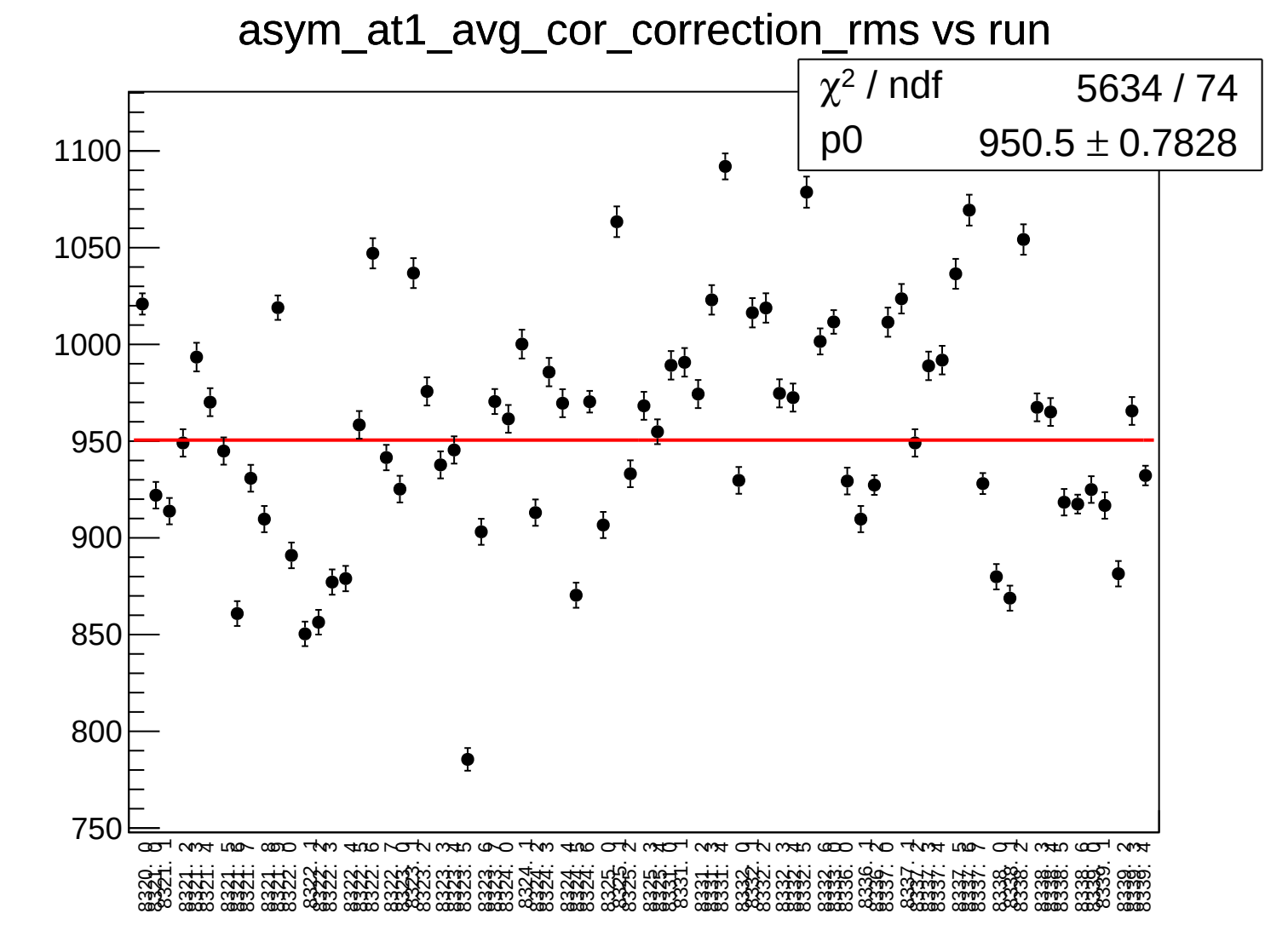

cor_asym_at1_avg_mean vs run
χ² / ndf 81.83 / 74
p0 −2957 ± 2103
pull
Entries 75
Mean −414.7
Std Dev 0

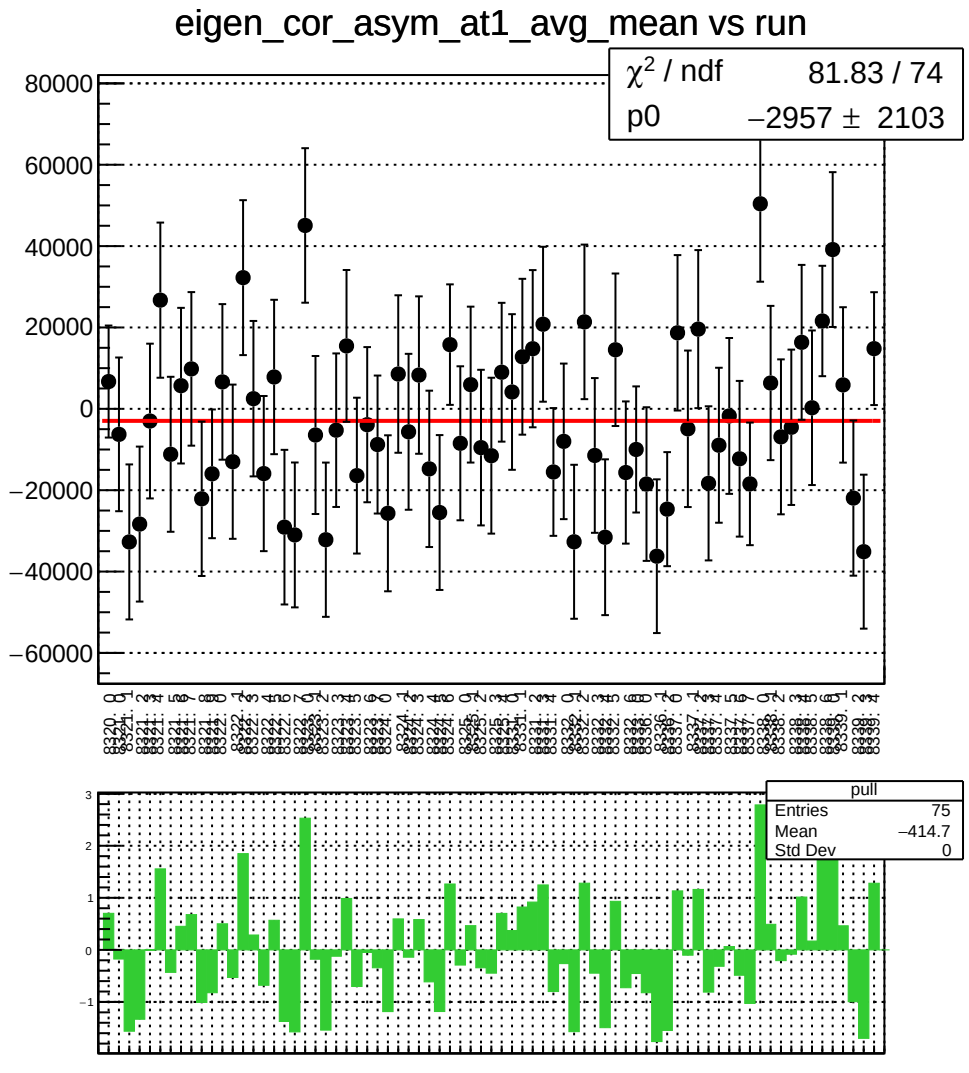

pull1D
Entries 75
Mean −0.005006
Std Dev 1.045

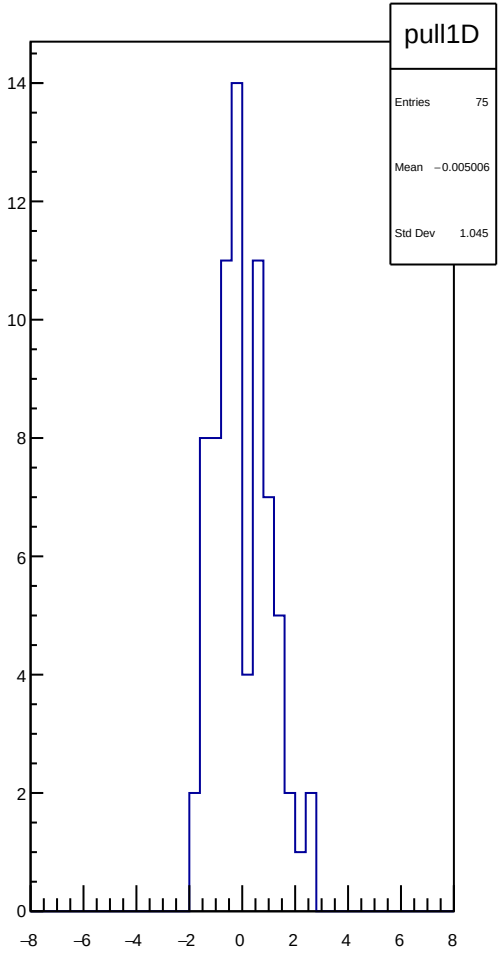

cor_asym_at1_avg_rms vs run
χ^2 / ndf 71.91 / 74
p0 1809 ± 1.487
1860
1840
1820
1800
1780
1760

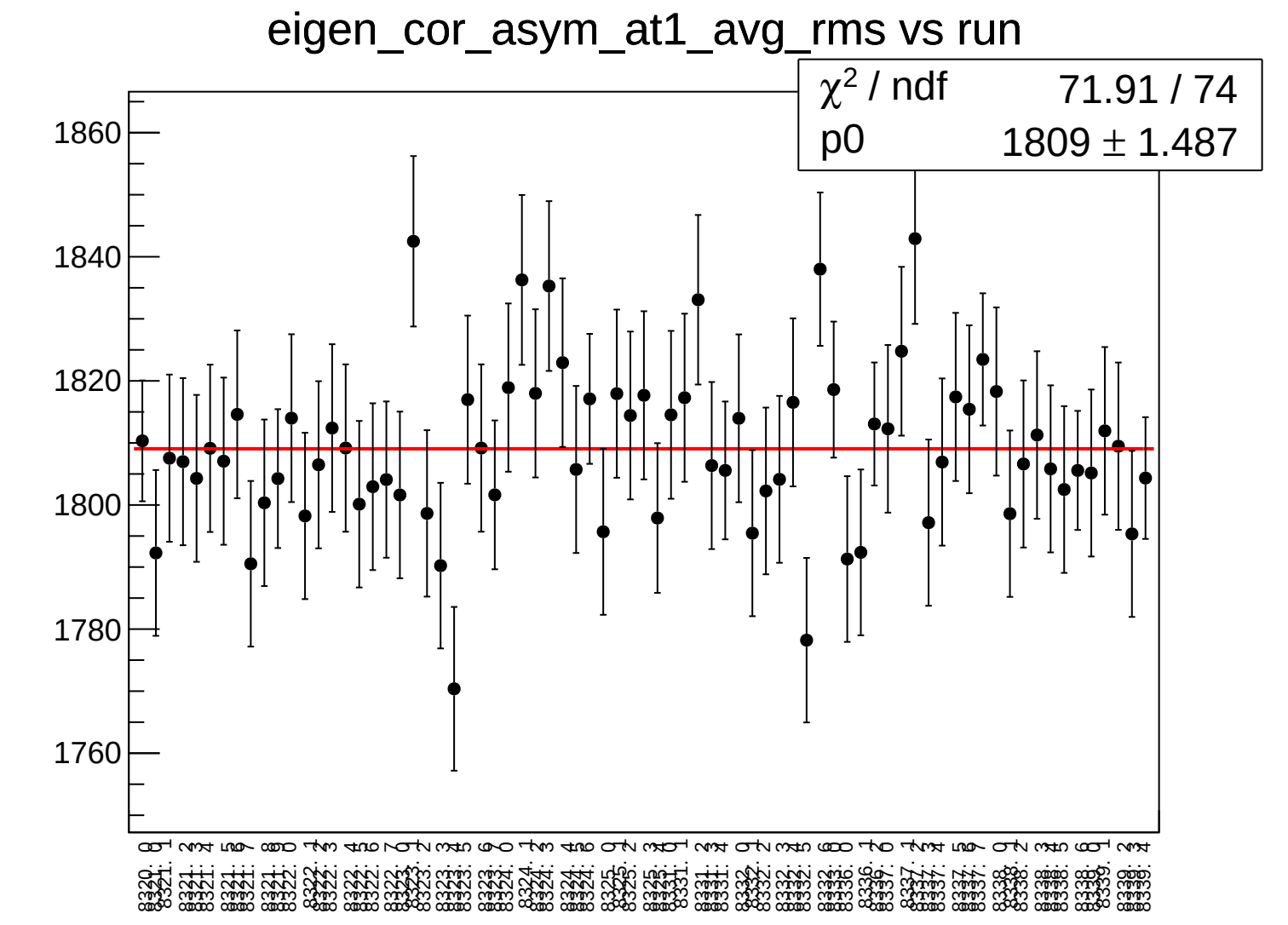

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 83.67 / 74
p0 −2059 ± 1107
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 238.9
Std Dev 0
2
1
0
−1
−2

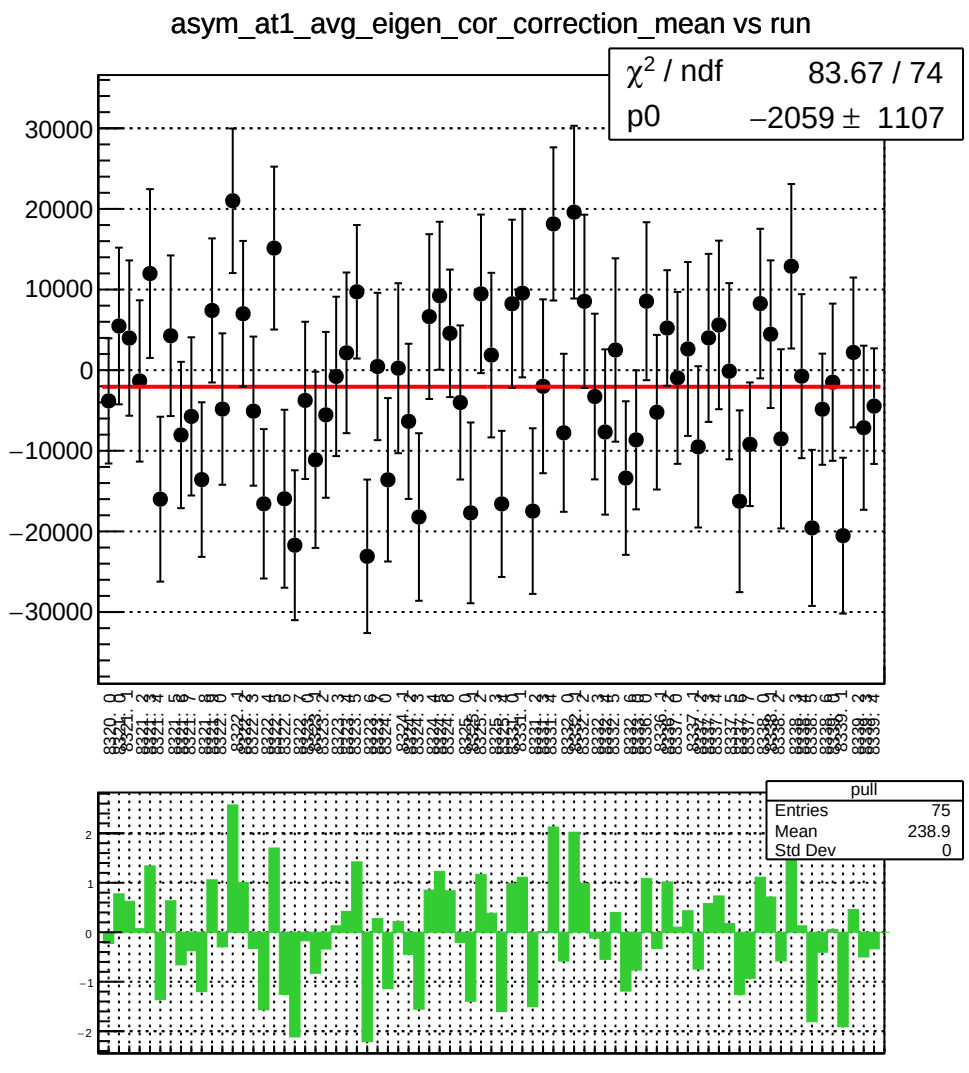

pull1D
Entries 75
Mean −0.004593
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

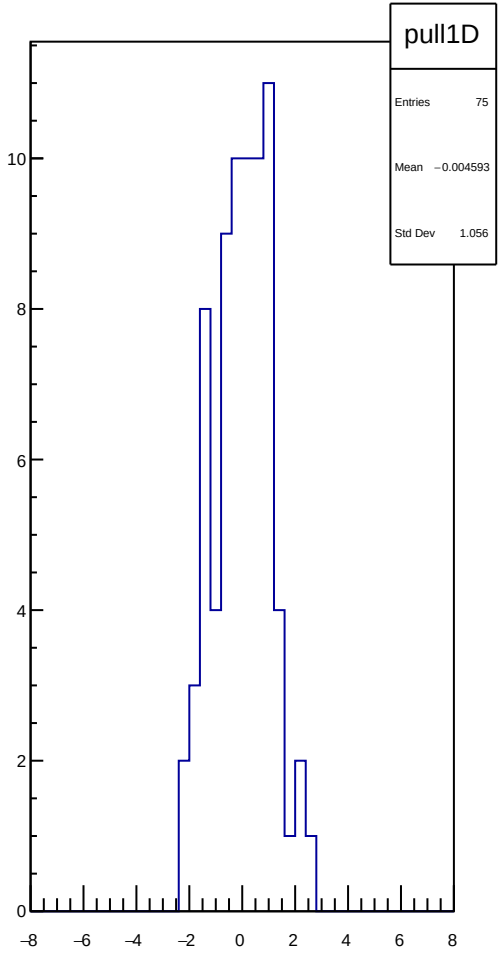

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 5634 / 74
p0 950.5 ± 0.7828
1100
1050
1000
950
900
850
800
750

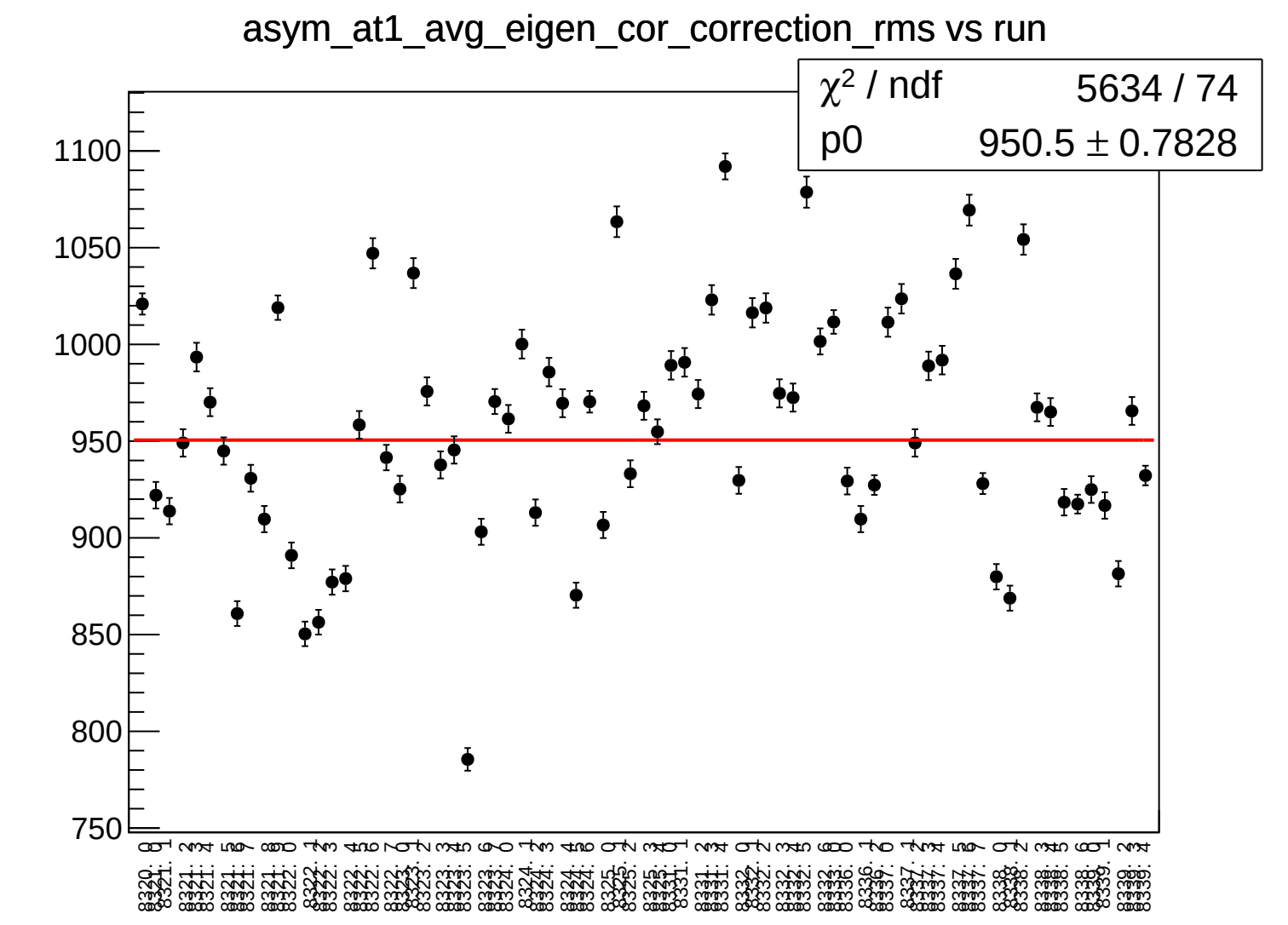

eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 81.83 / 74
p0 −2957 ± 2103
pull
Entries 75
Mean −414.7
Std Dev 0

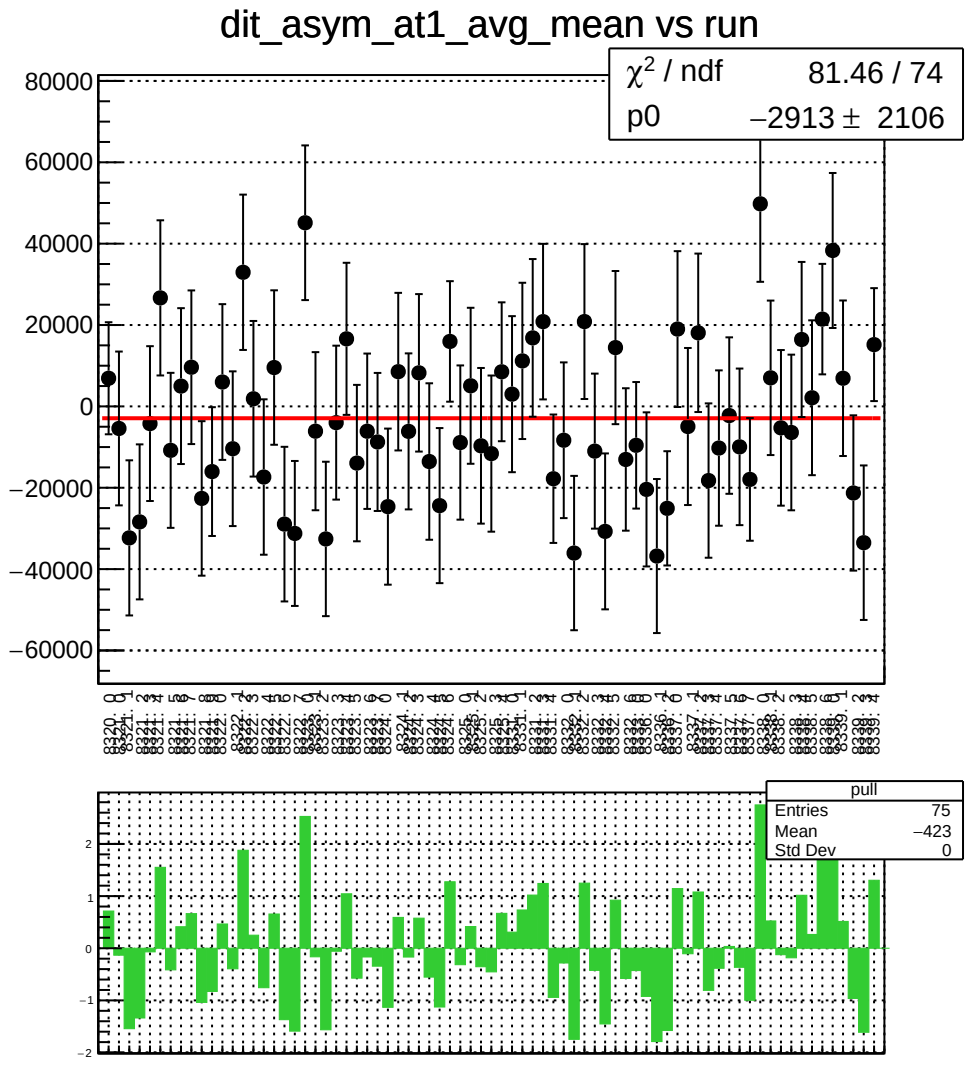

pull1D
Entries 75
Mean −0.005006
Std Dev 1.045

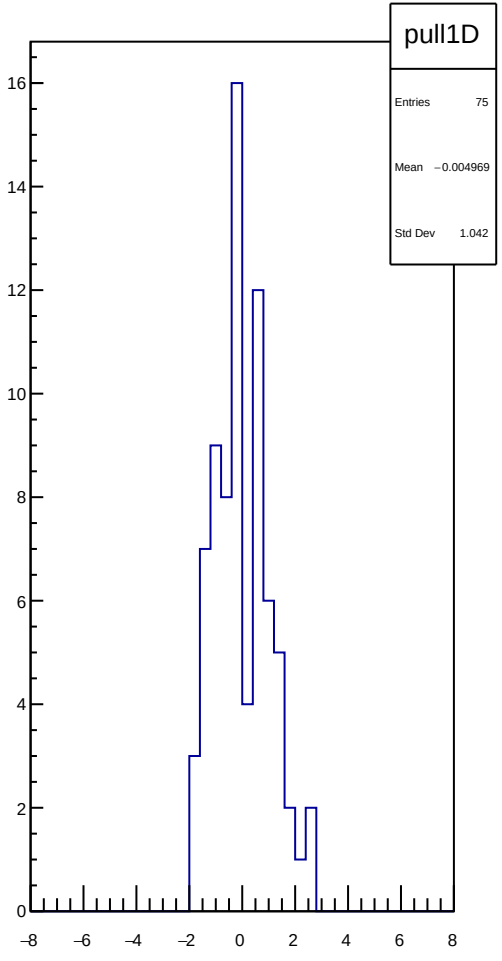

eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 71.91 / 74
p0 1809 ± 1.487
1860
1840
1820
1800
1780
1760

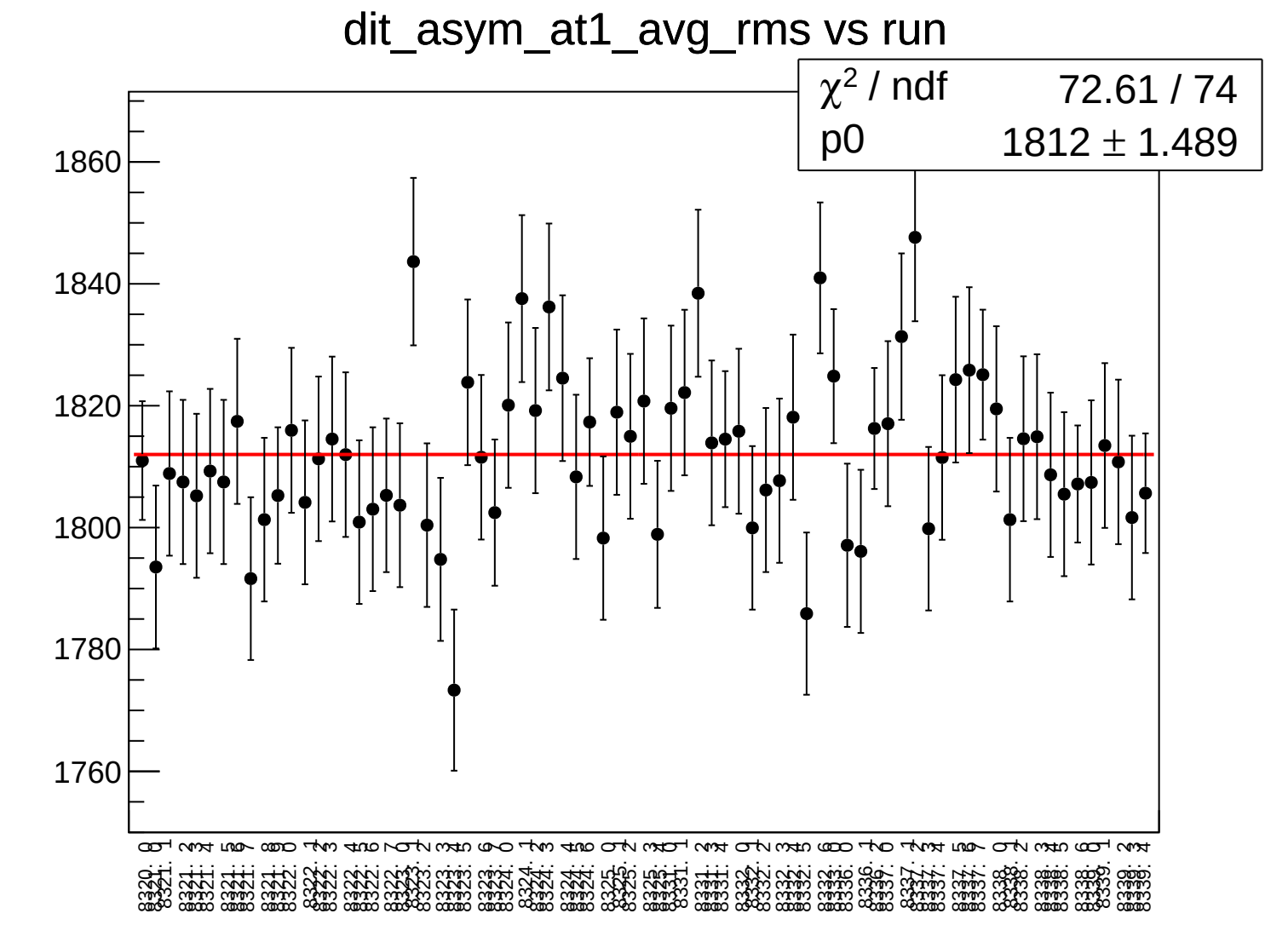

asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.67 / 74
p0 −2059 ± 1107
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 238.9
Std Dev 0
2
1
0
−1
−2

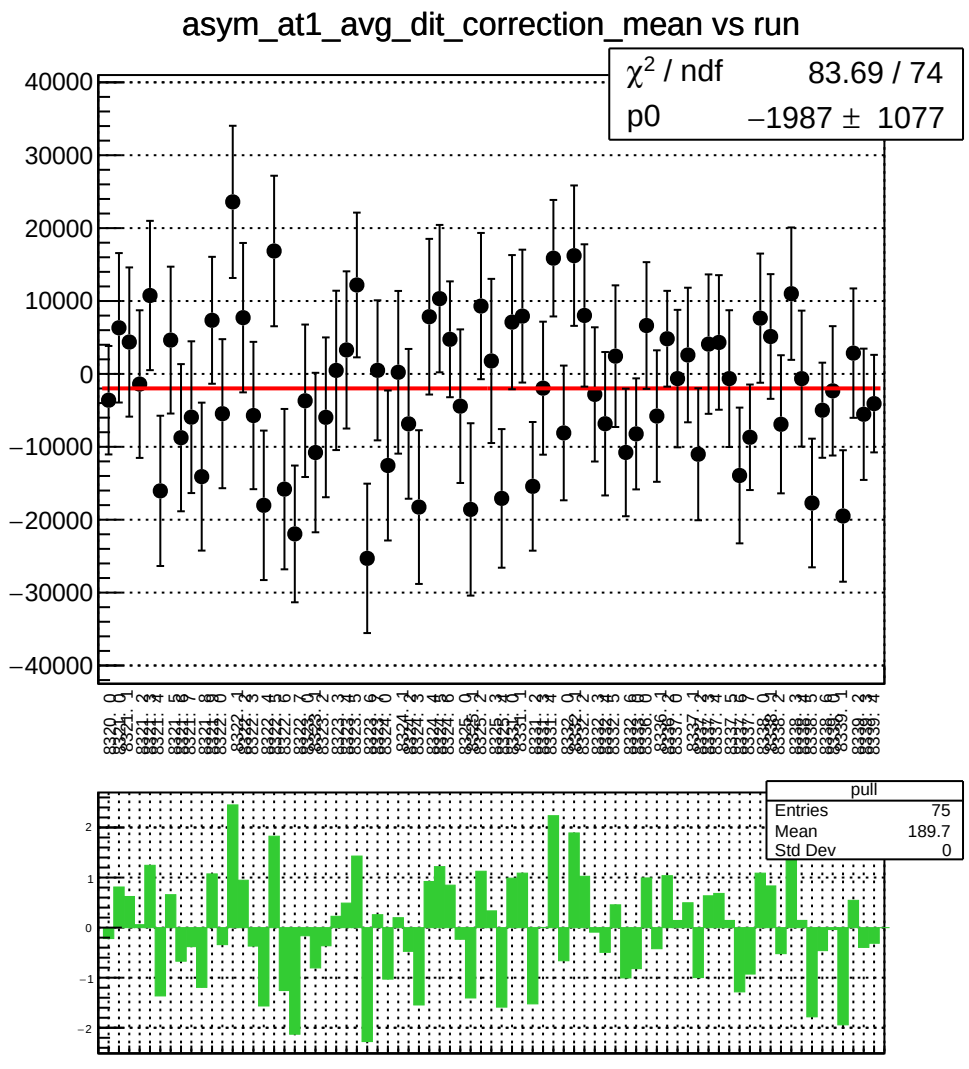

pull1D
Entries 75
Mean −0.004593
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

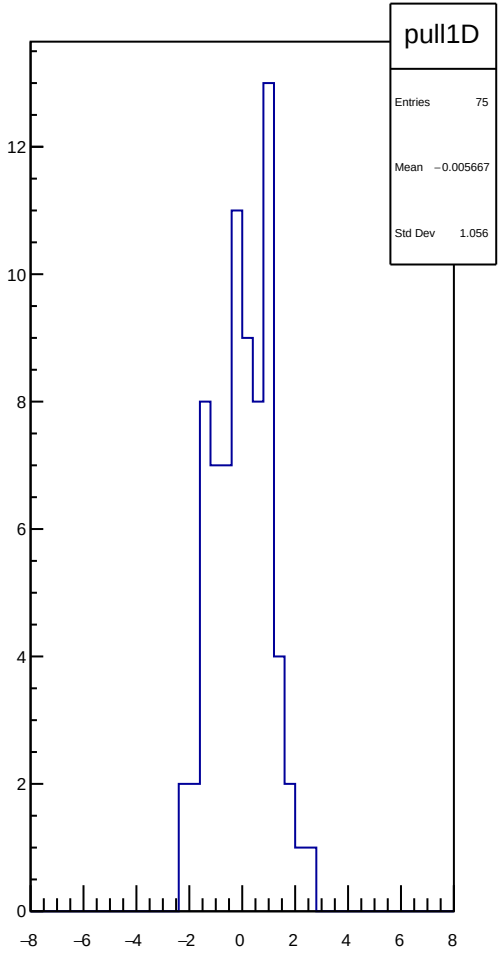

asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5634 / 74
p0 950.5 ± 0.7828
1100
1050
1000
950
900
850
800
750

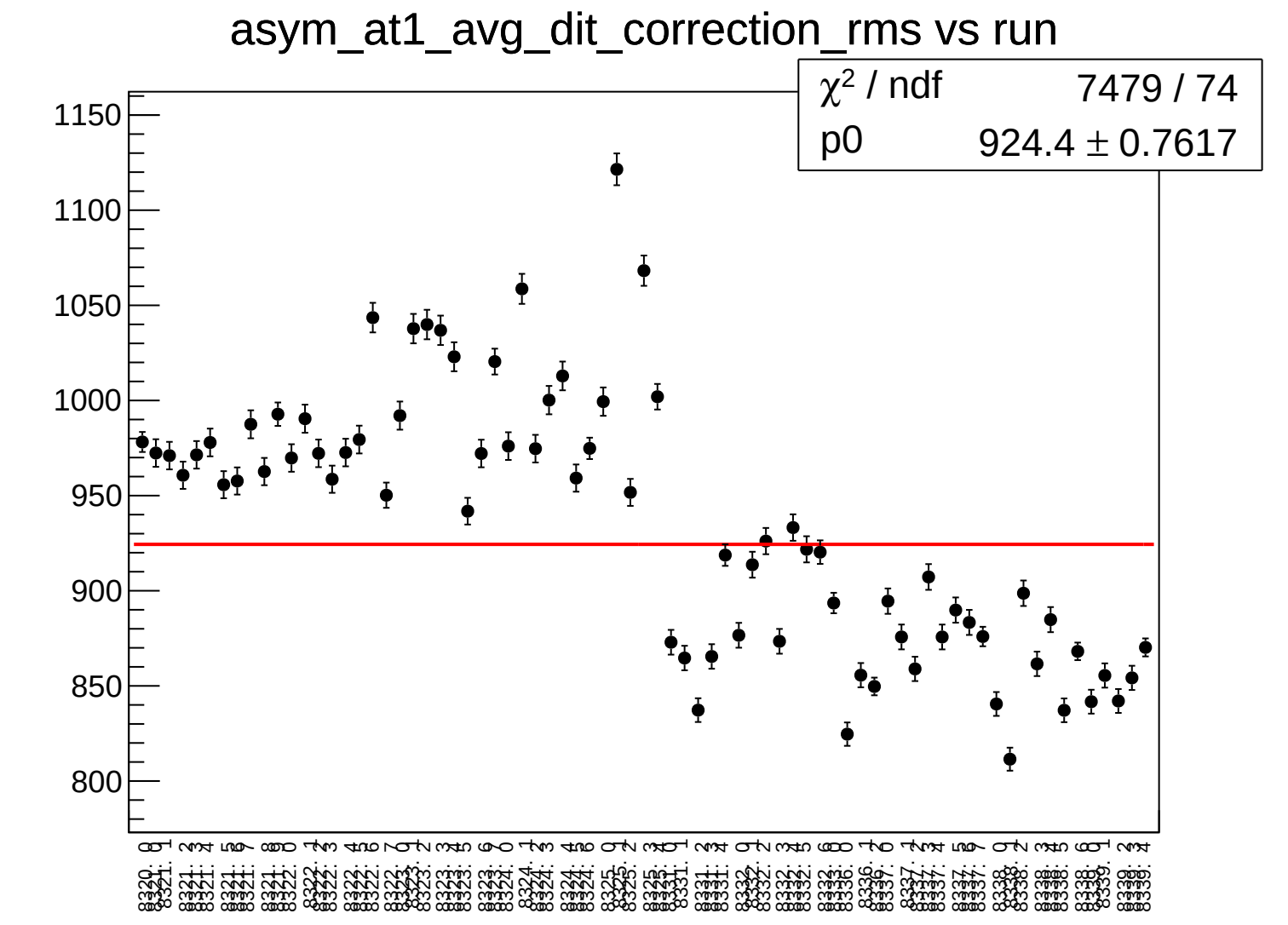

dit_asym_at1_avg_mean vs run
χ² / ndf 81.46 / 74
p0 −2913 ± 2106
pull
Entries 75
Mean −423
Std Dev 0

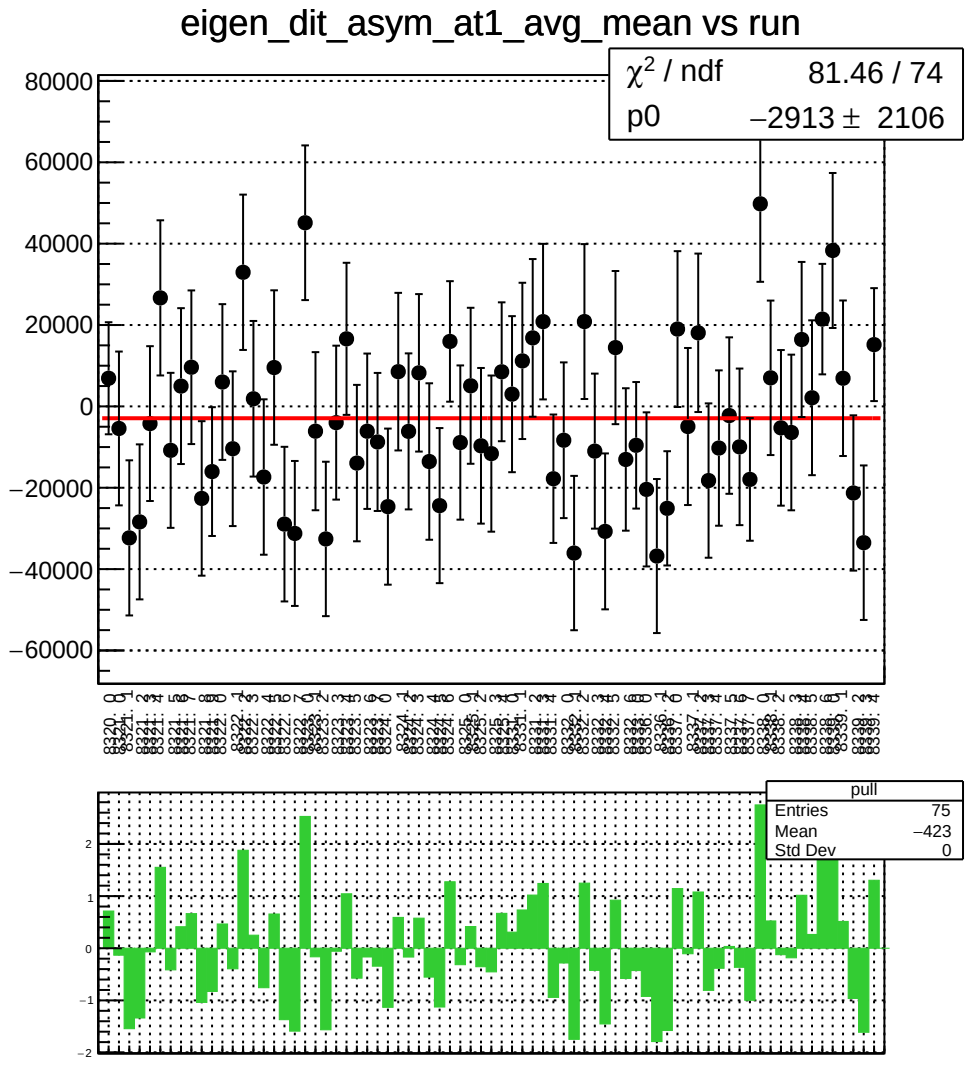

pull1D
Entries 75
Mean −0.004969
Std Dev 1.042

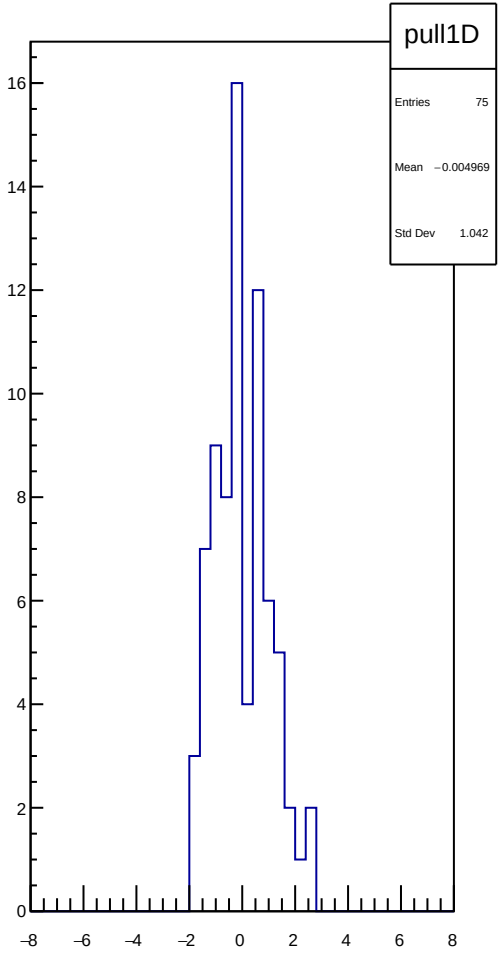

dit_asym_at1_avg_rms vs run
χ^2 / ndf 72.61 / 74
p0 1812 ± 1.489
1860
1840
1820
1800
1780
1760

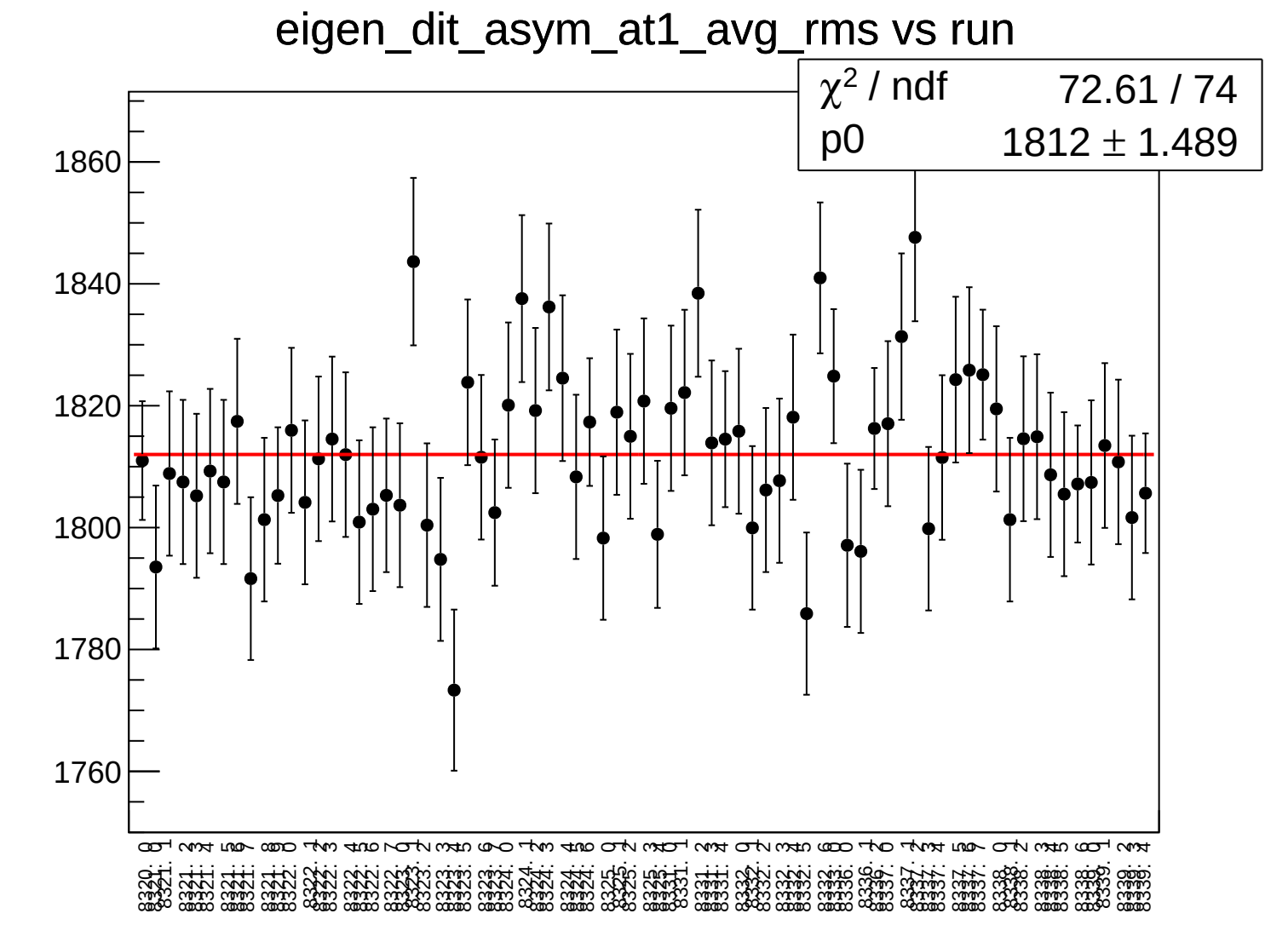

asym_at1_avg_dit_correction_mean vs run
χ² / ndf 83.69 / 74
p0 −1987 ± 1077
pull
Entries 75
Mean 189.7
Std Dev 0

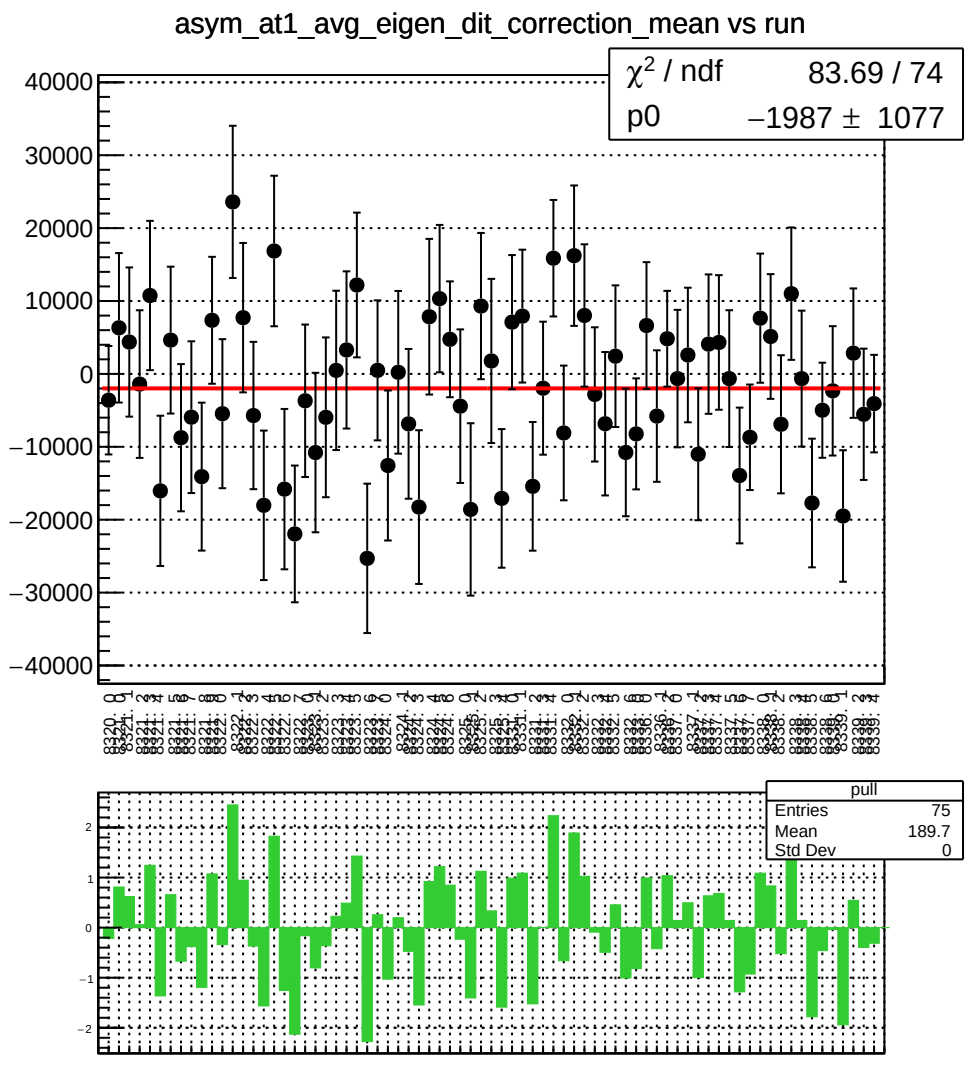

pull1D
Entries 75
Mean −0.005667
Std Dev 1.056

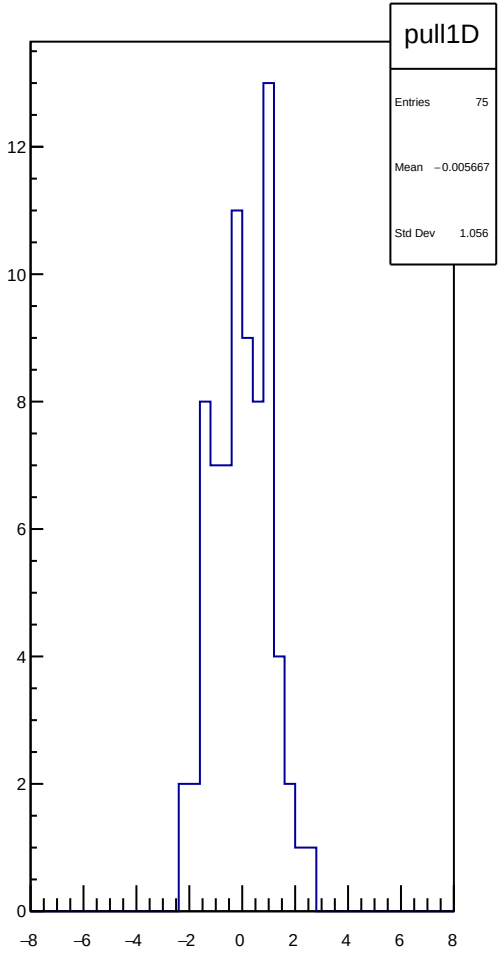

asym_at1_avg_dit_correction_rms vs run
χ² / ndf 7479 / 74
p0 924.4 ± 0.7617
1150
1100
1050
1000
950
900
850
800

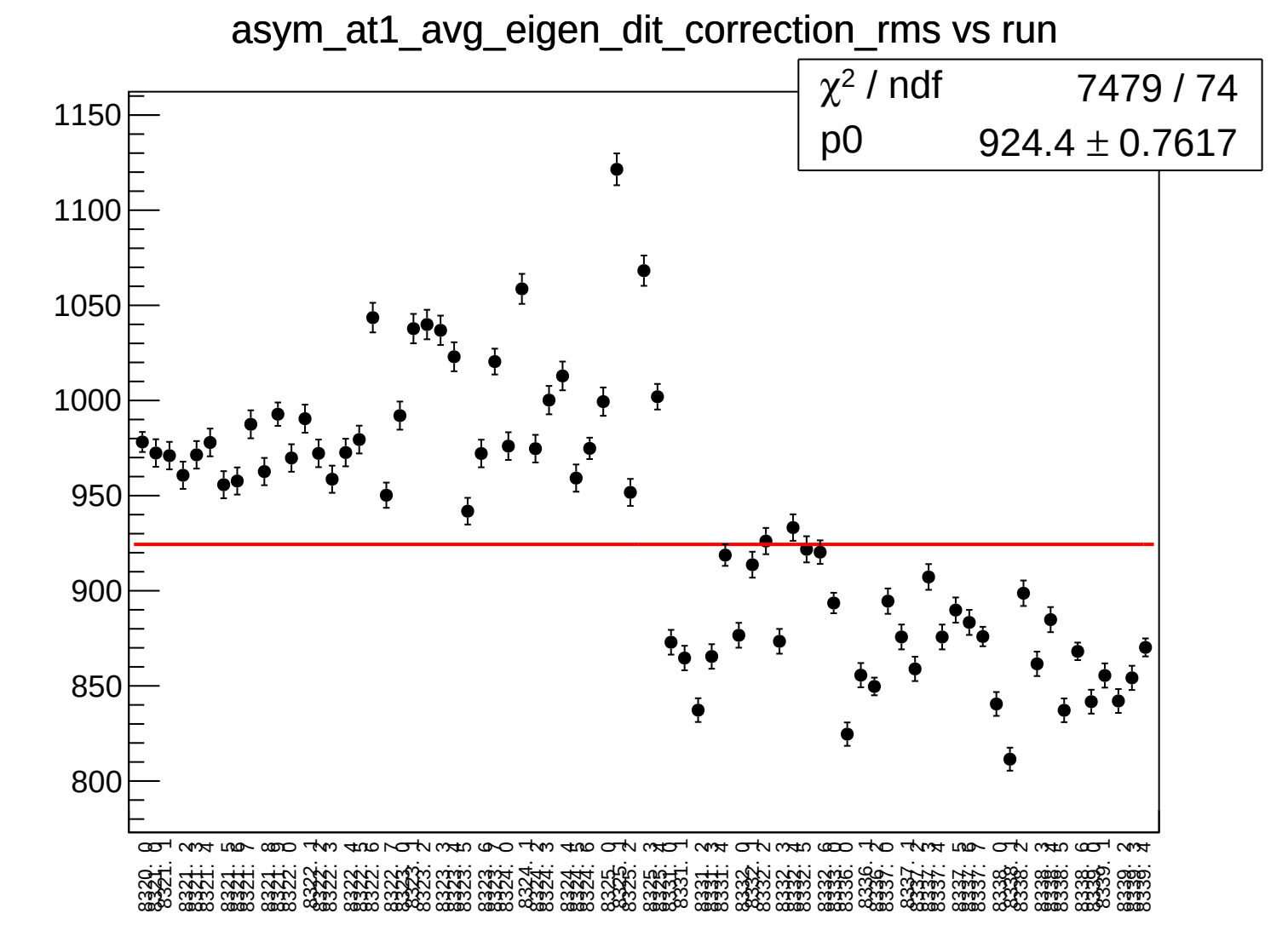

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 81.46 / 74
p0 −2913 ± 2106
pull
Entries 75
Mean −423
Std Dev 0

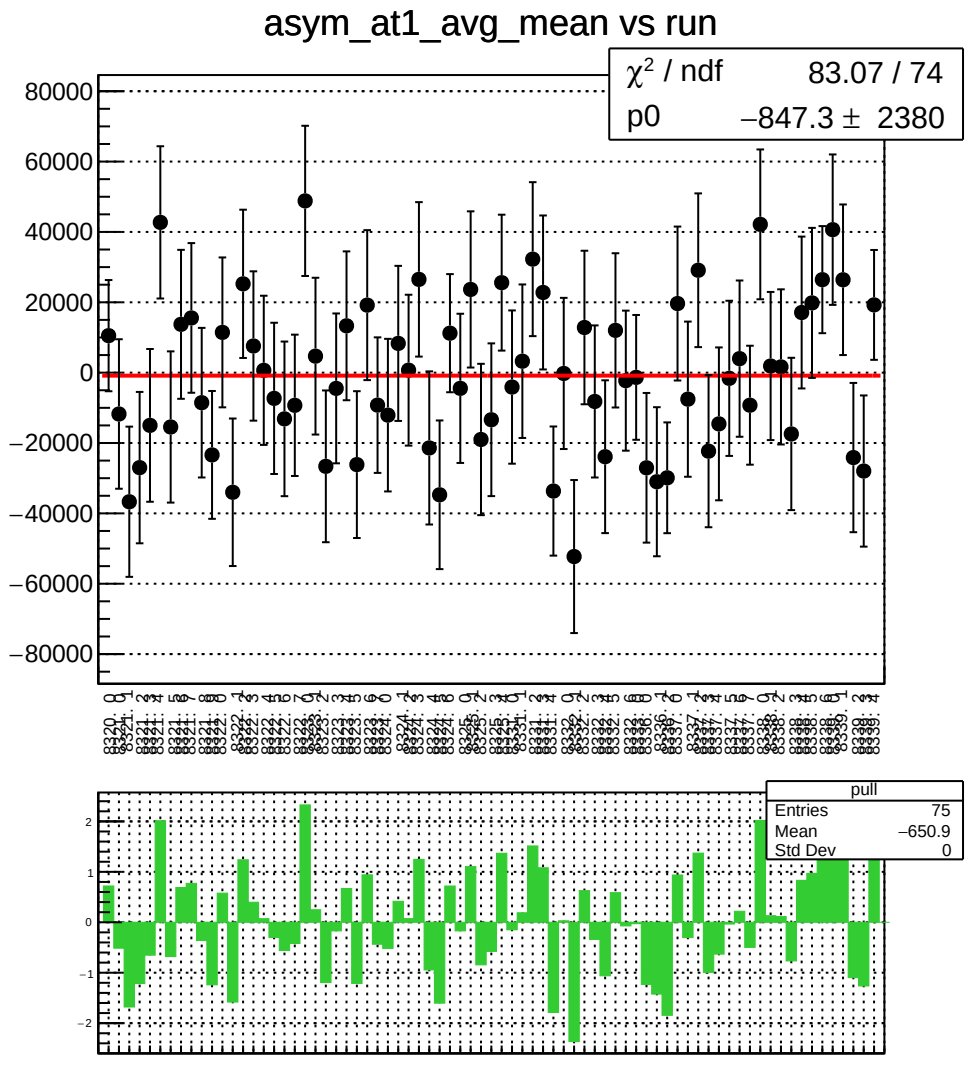

pull1D
Entries 75
Mean −0.004969
Std Dev 1.042

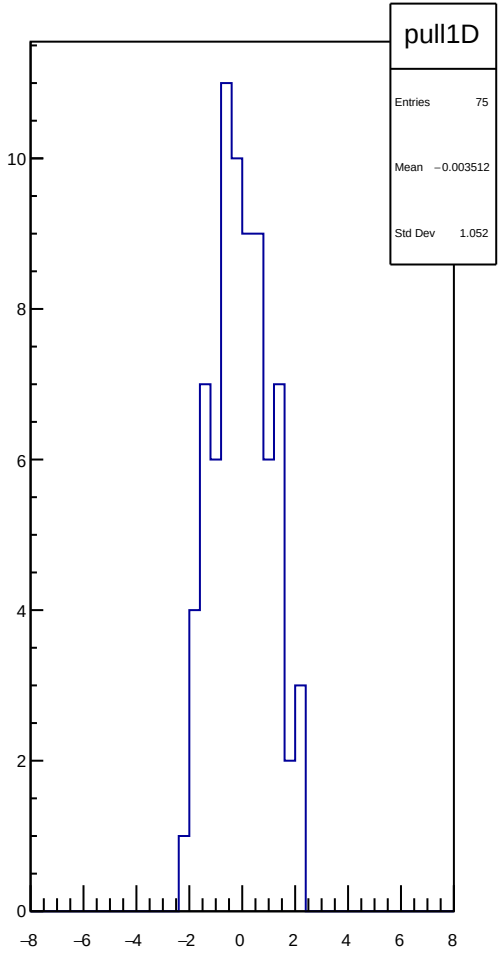

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 72.61 / 74
p0 1812 ± 1.489
1860
1840
1820
1800
1780
1760

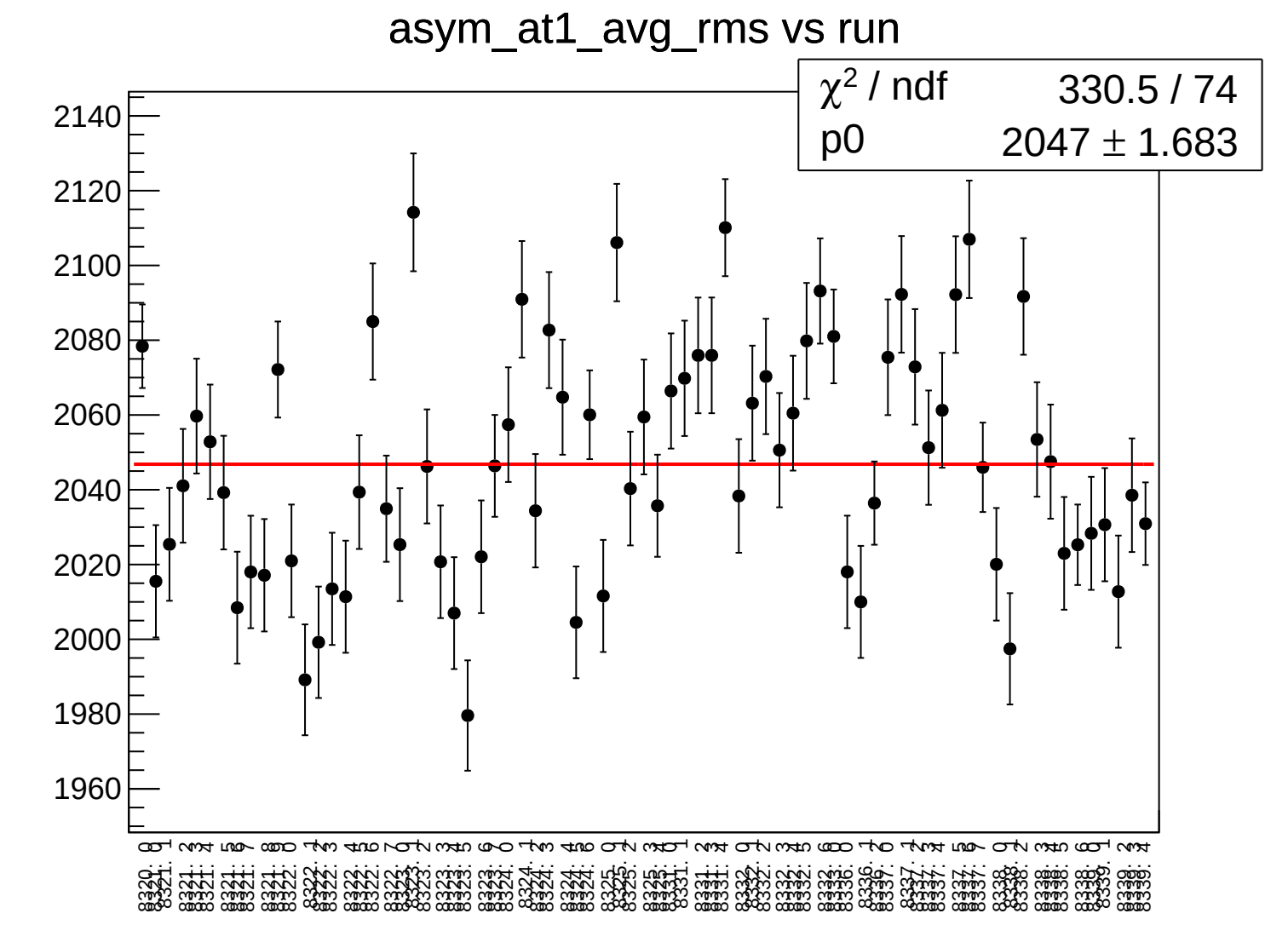

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.69 / 74
p0 −1987 ± 1077
pull
Entries 75
Mean 189.7
Std Dev 0

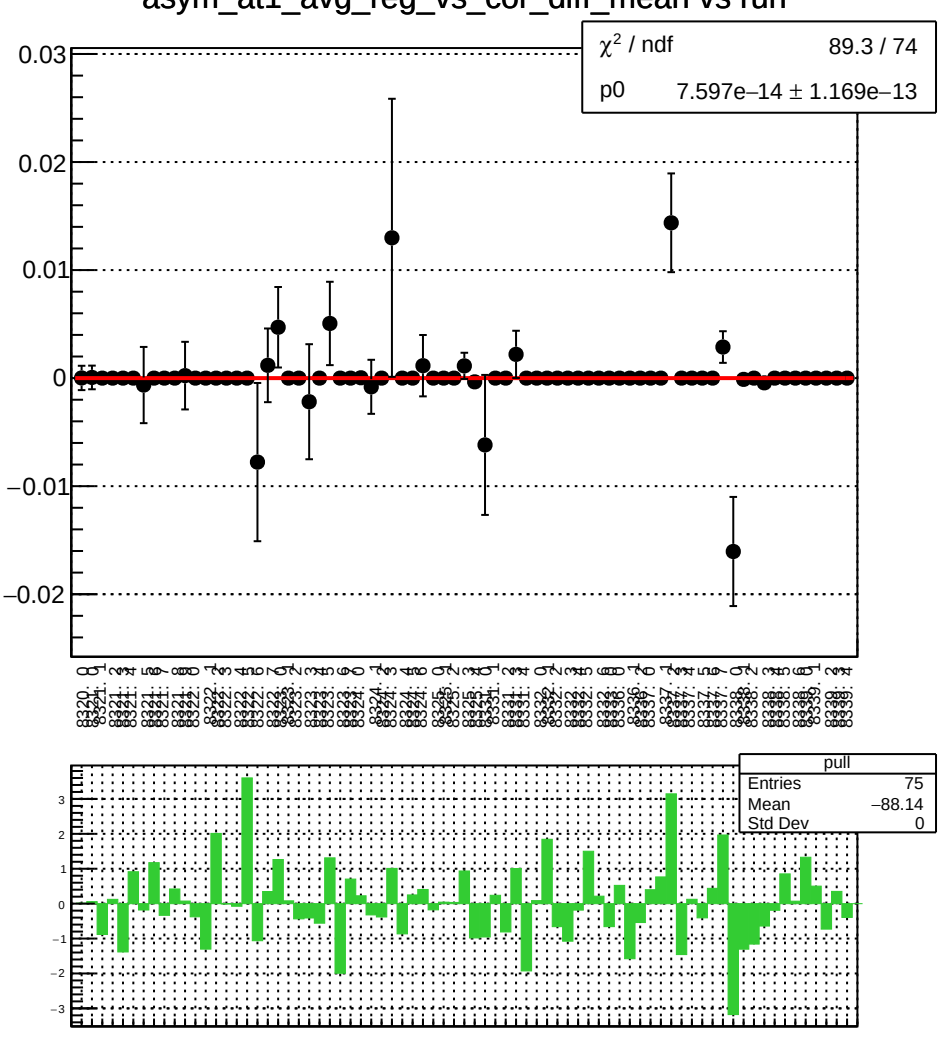

pull1D
Entries 75
Mean −0.005667
Std Dev 1.056

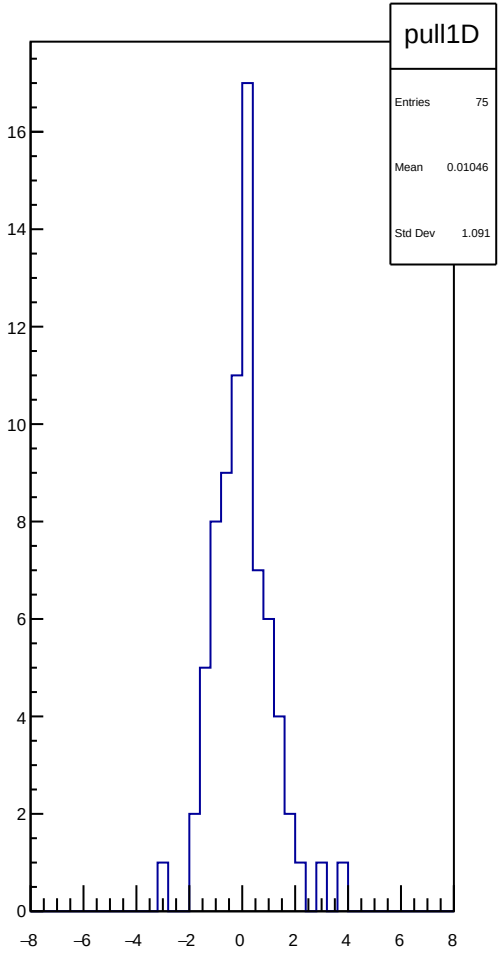

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 7479 / 74
p0 924.4 ± 0.7617
1150
1100
1050
1000
950
900
850
800

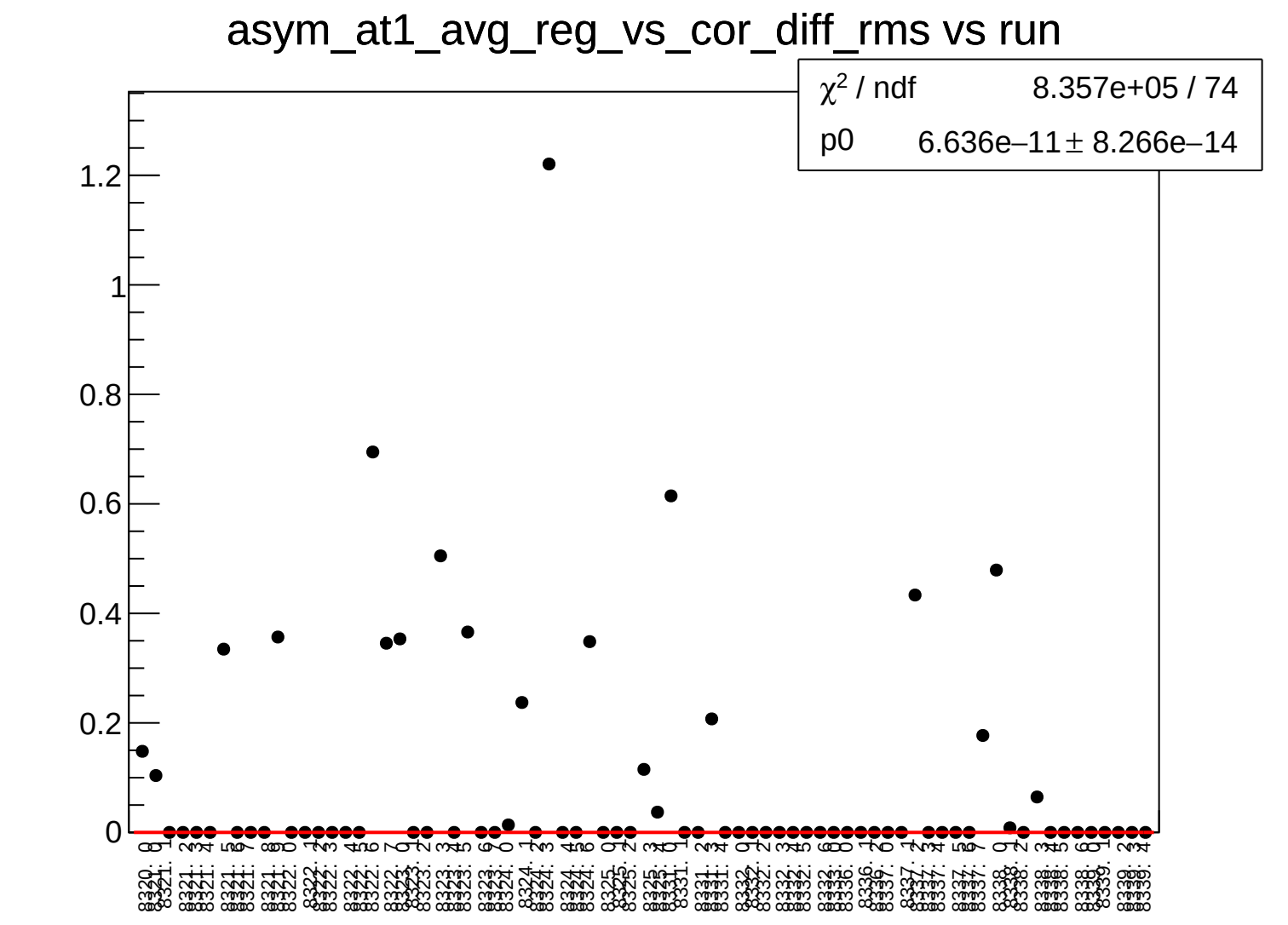

asym_at1_avg_mean vs run
χ² / ndf 83.07 / 74
p0 −847.3 ± 2380
pull
Entries 75
Mean −650.9
Std Dev 0

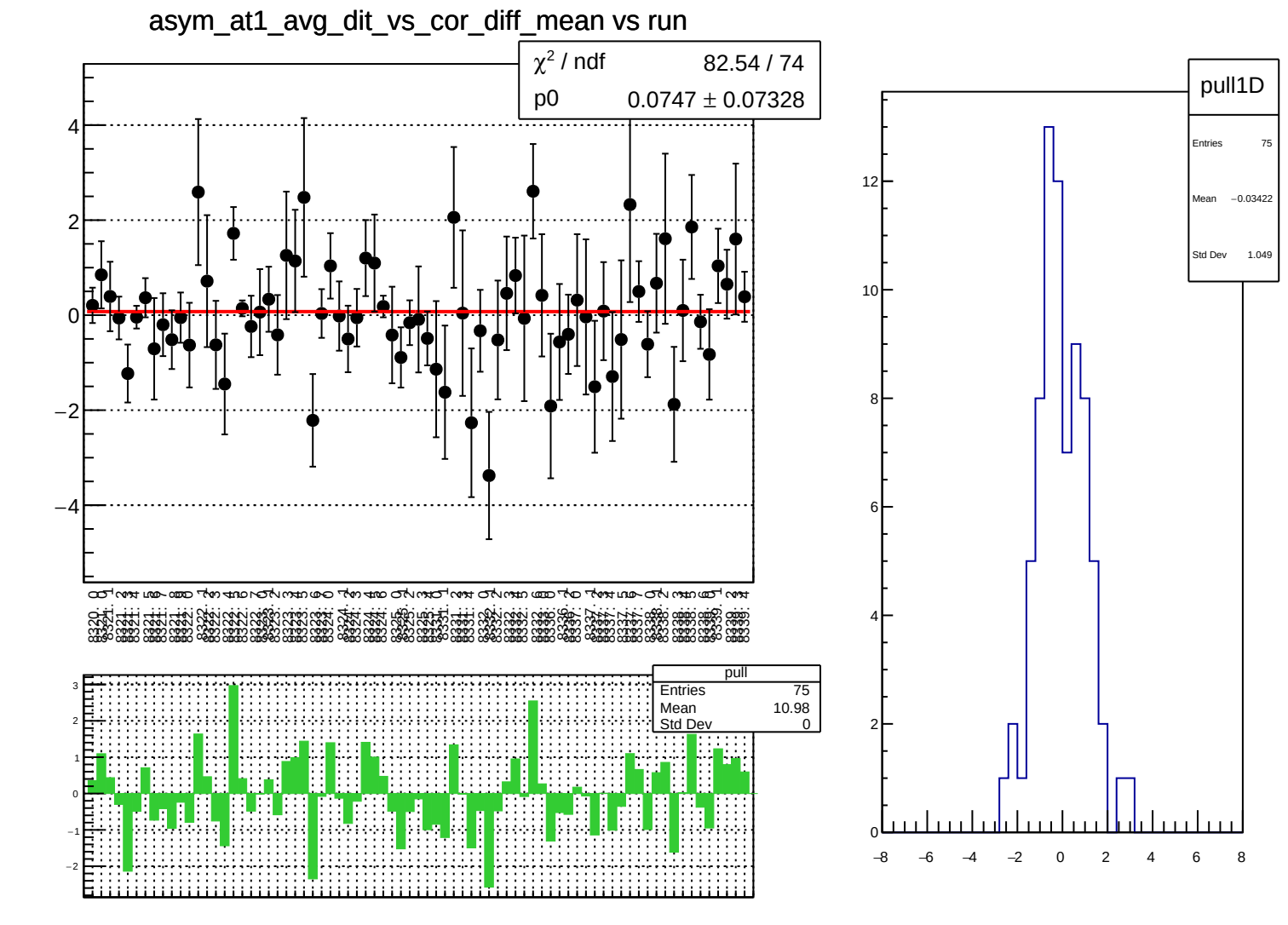

pull1D
Entries 75
Mean −0.003512
Std Dev 1.052

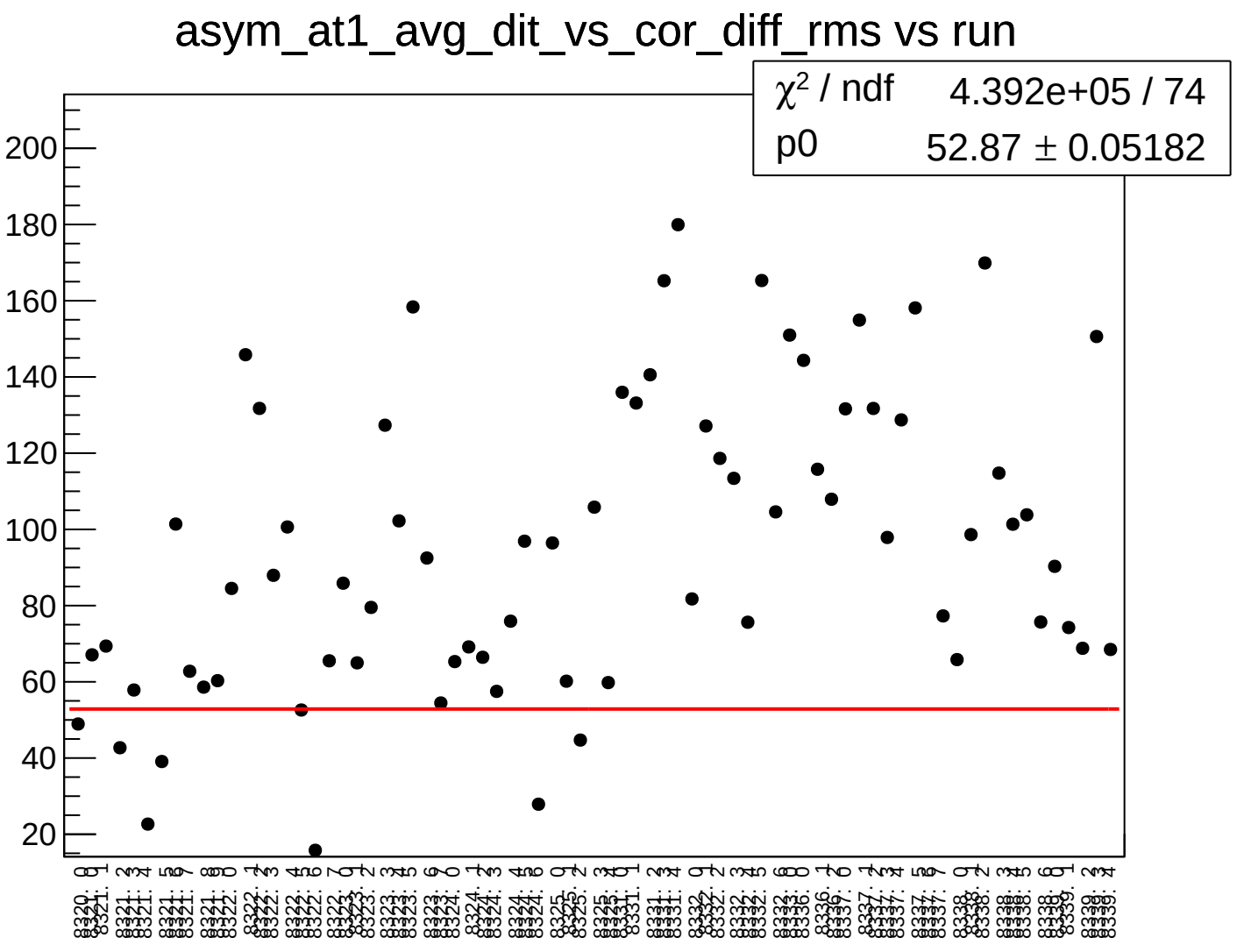

asym_at1_avg_rms vs run
χ^2 / ndf 330.5 / 74
p0 2047 ± 1.683
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

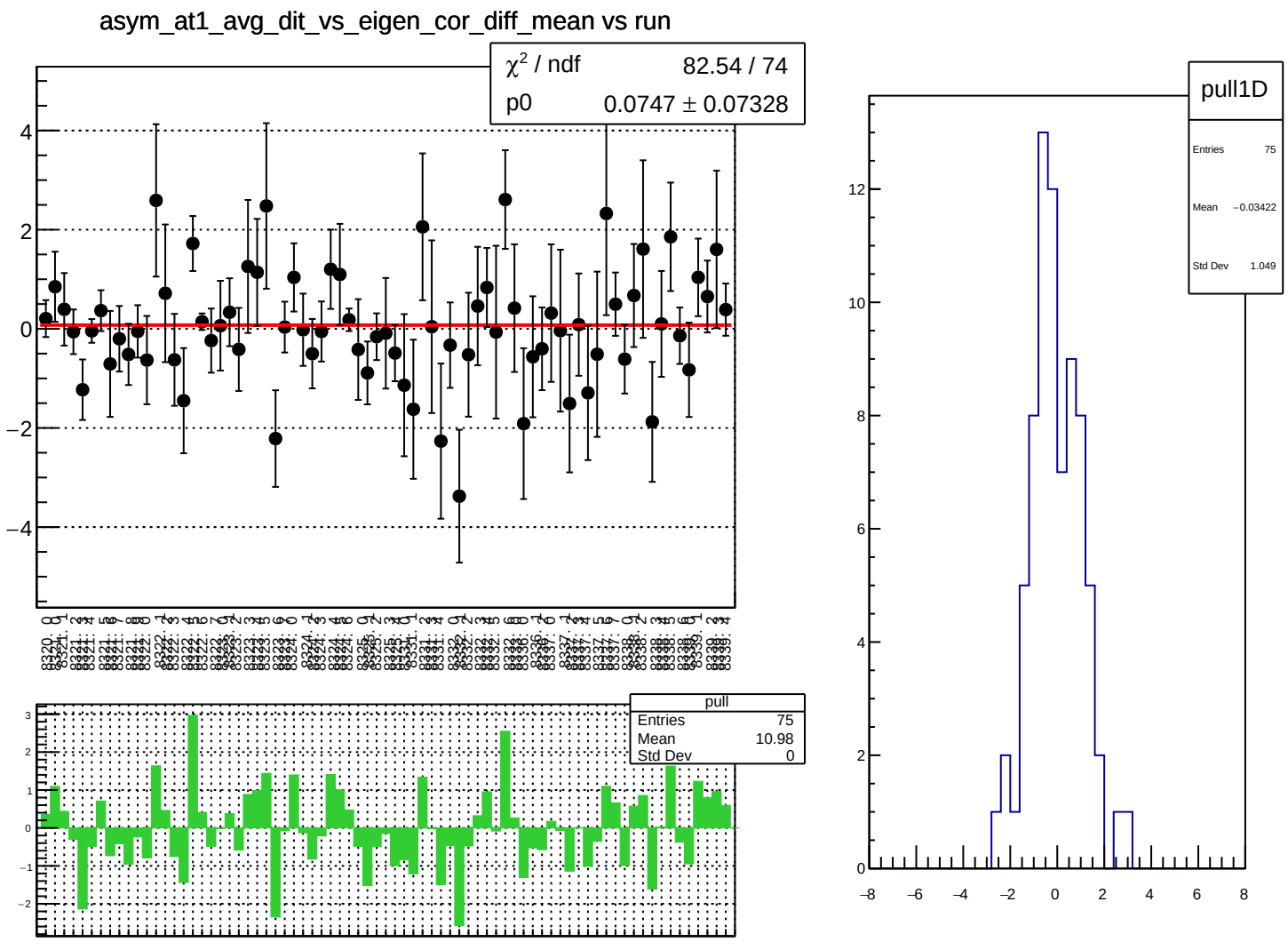

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 89.3 / 74
p0 7.597e−14 ± 1.169e−13
pull
Entries 75
Mean −88.14
Std Dev 0

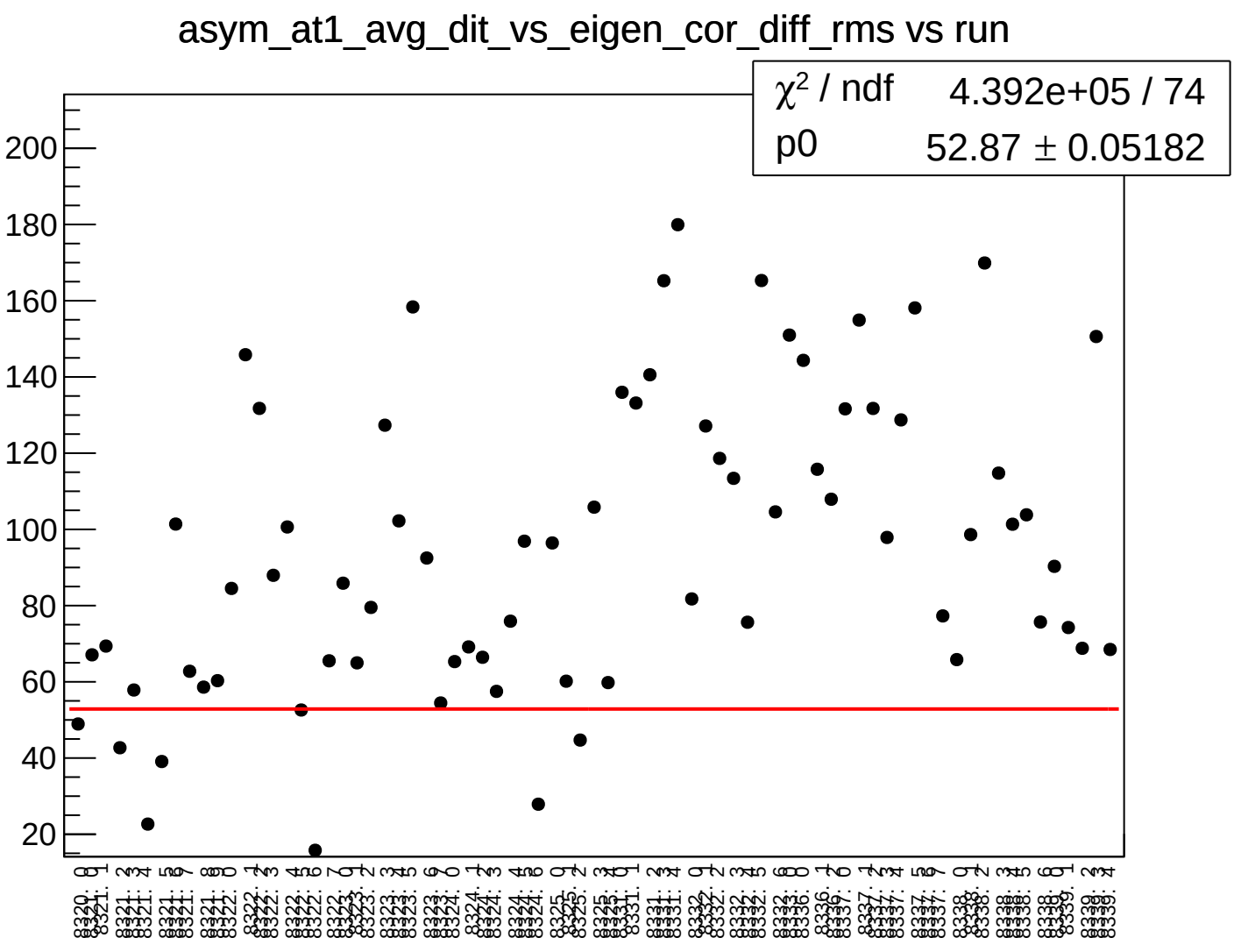

pull1D
Entries 75
Mean 0.01046
Std Dev 1.091

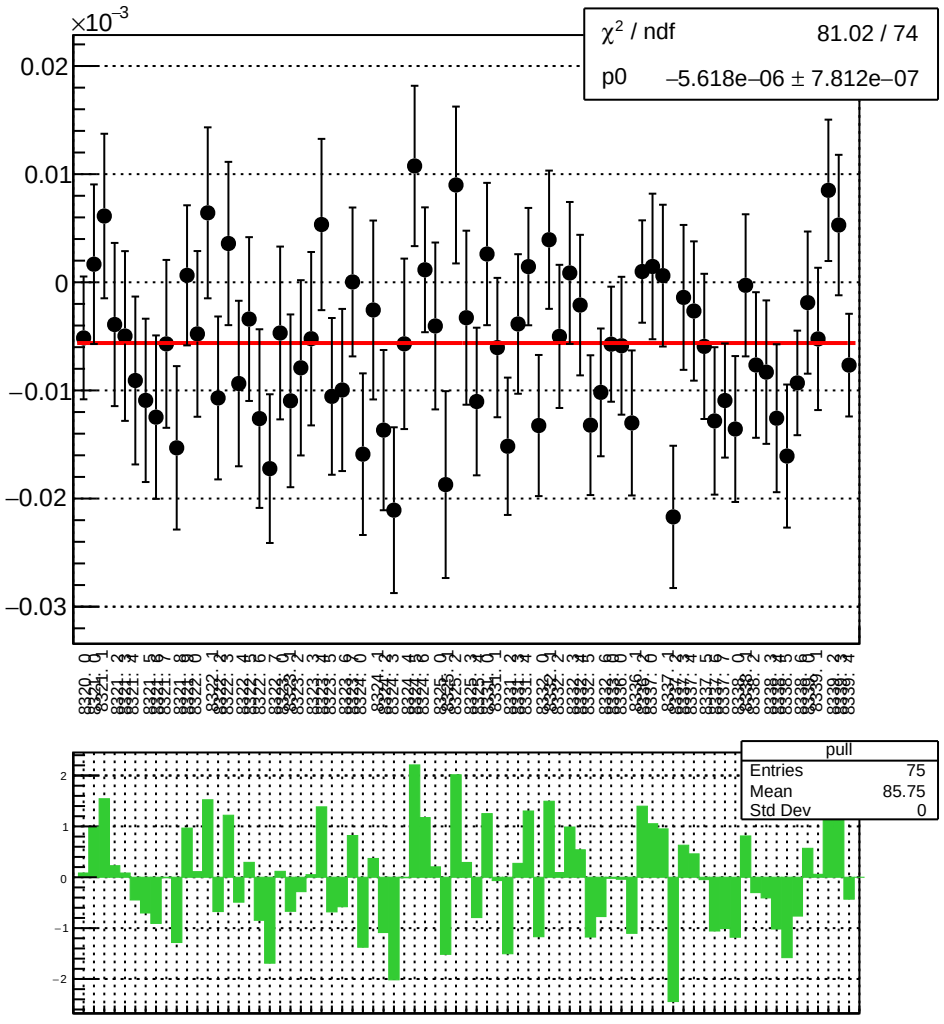

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 8.357e+05 / 74
p0 6.636e−11 ± 8.266e−14
1.2
1
0.8
0.6
0.4
0.2
0

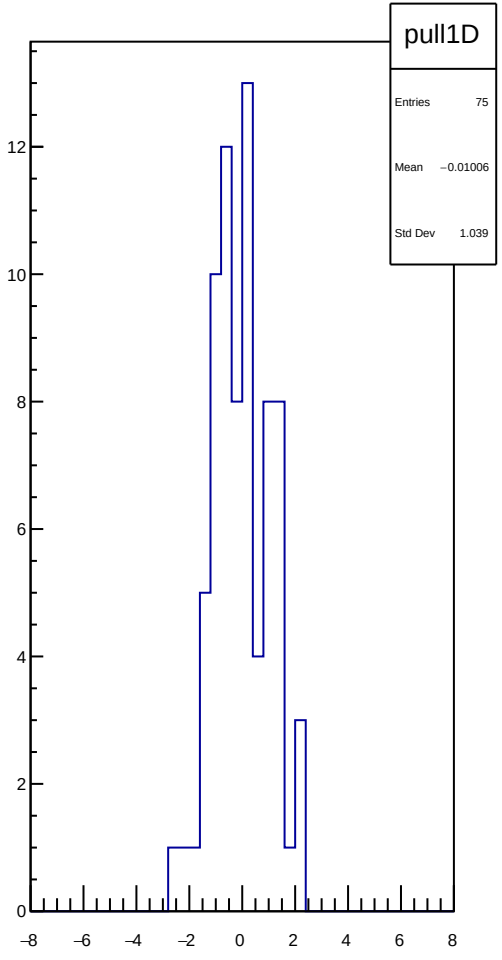

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.54 / 74
p0 0.0747 ± 0.07328
pull
Entries 75
Mean 10.98
Std Dev 0
pull1D
Entries 75
Mean −0.03422
Std Dev 1.049

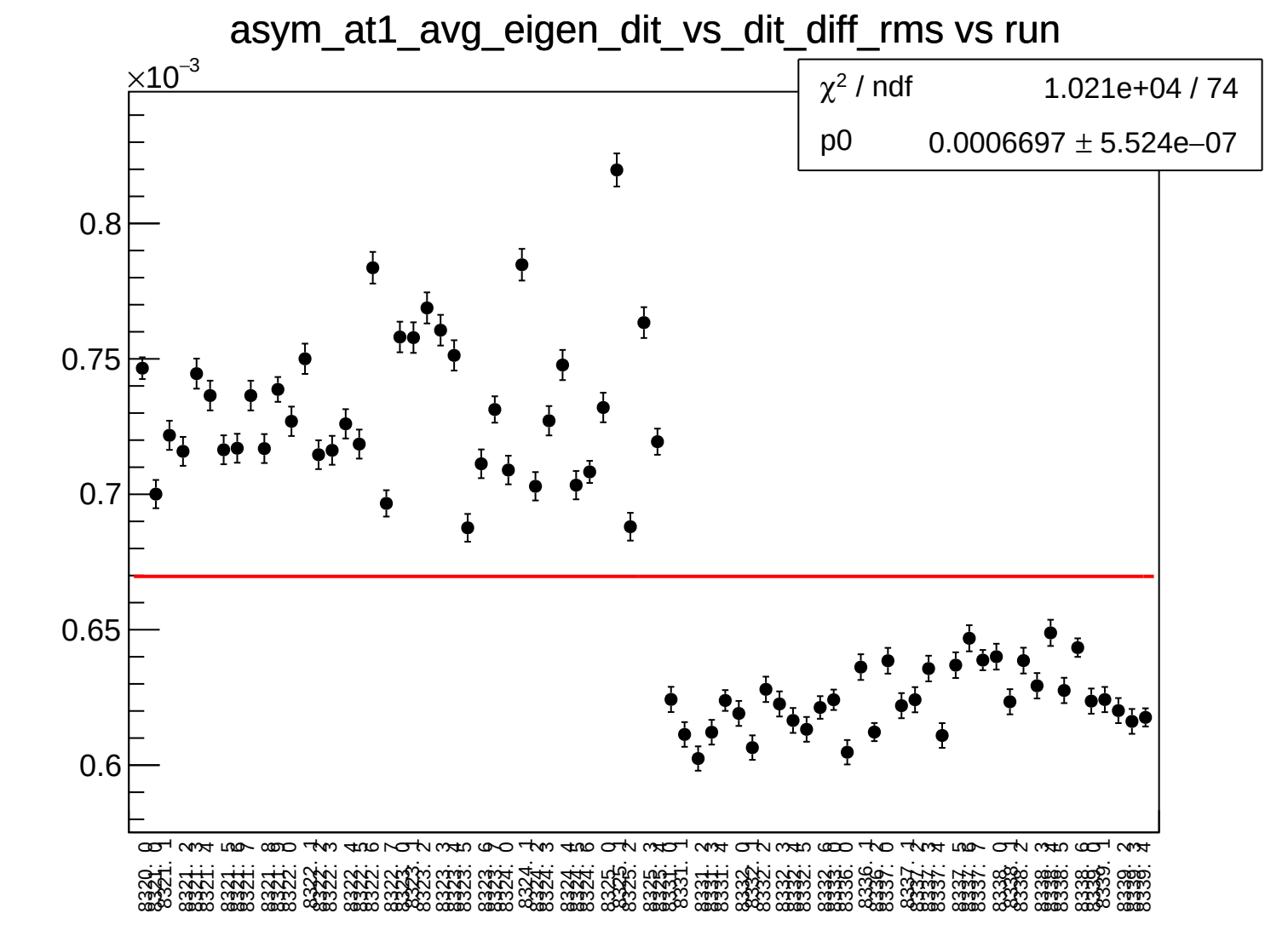

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.392e+05 / 74
p0 52.87 ± 0.05182
200
180
160
140
120
100
80
60
40
20

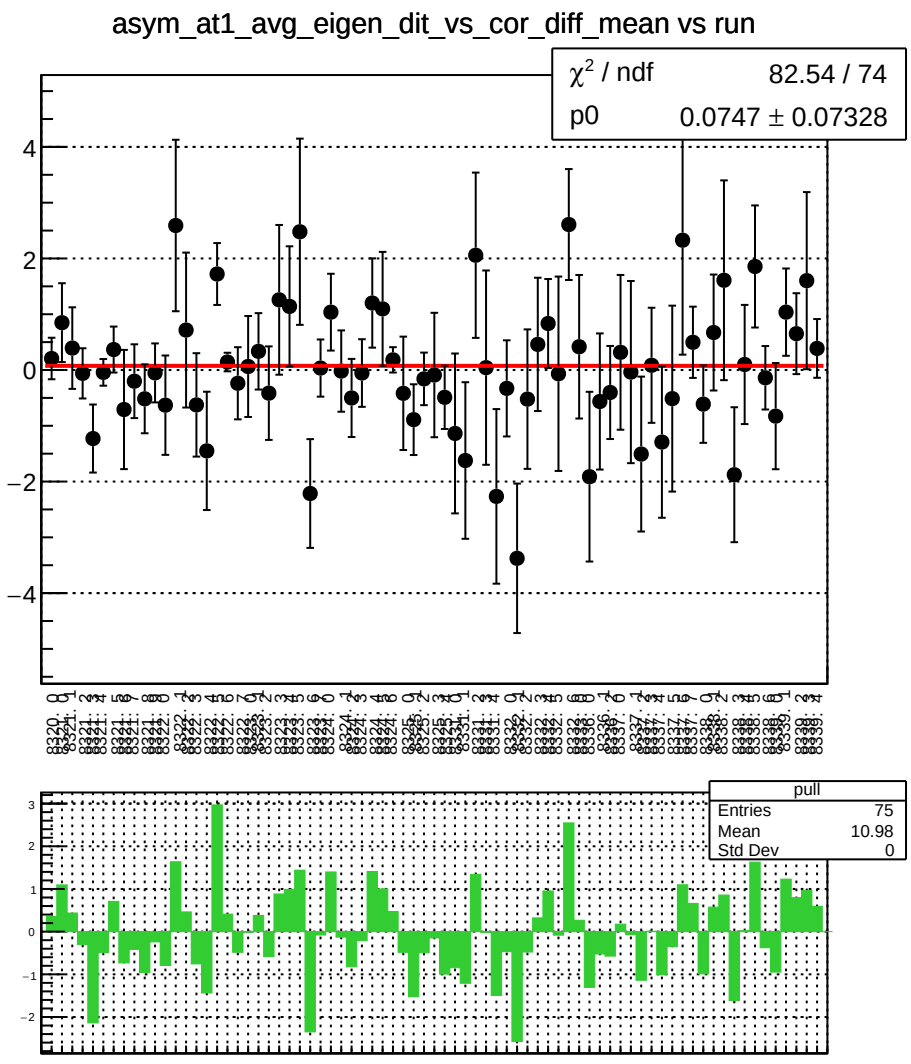

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.54 / 74
p0 0.0747 ± 0.07328
pull
Entries 75
Mean 10.98
Std Dev 0
pull1D
Entries 75
Mean −0.03422
Std Dev 1.049

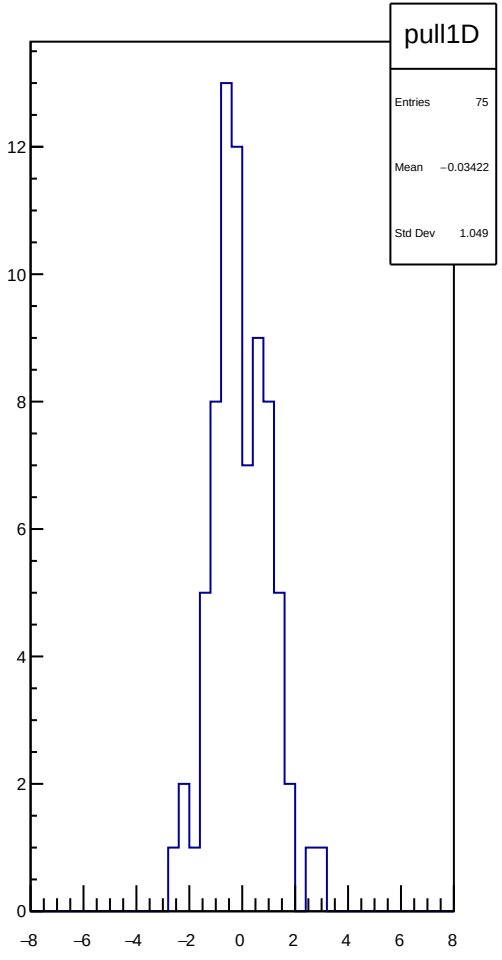

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.392e+05 / 74
p0 52.87 ± 0.05182
200
180
160
140
120
100
80
60
40
20

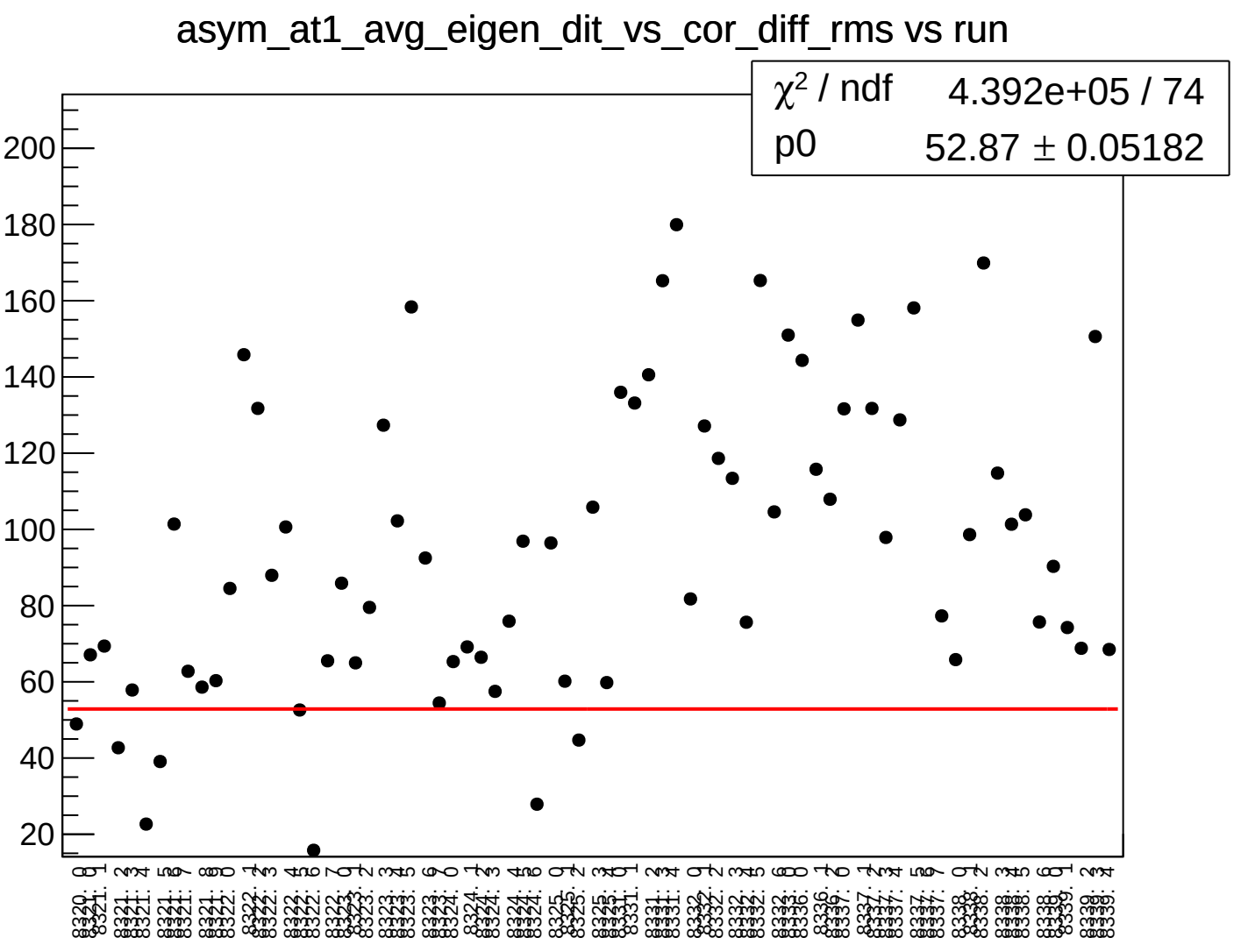

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.02 / 74
p0 −5.618e−06 ± 7.812e−07
pull
Entries 75
Mean 85.75
Std Dev 0

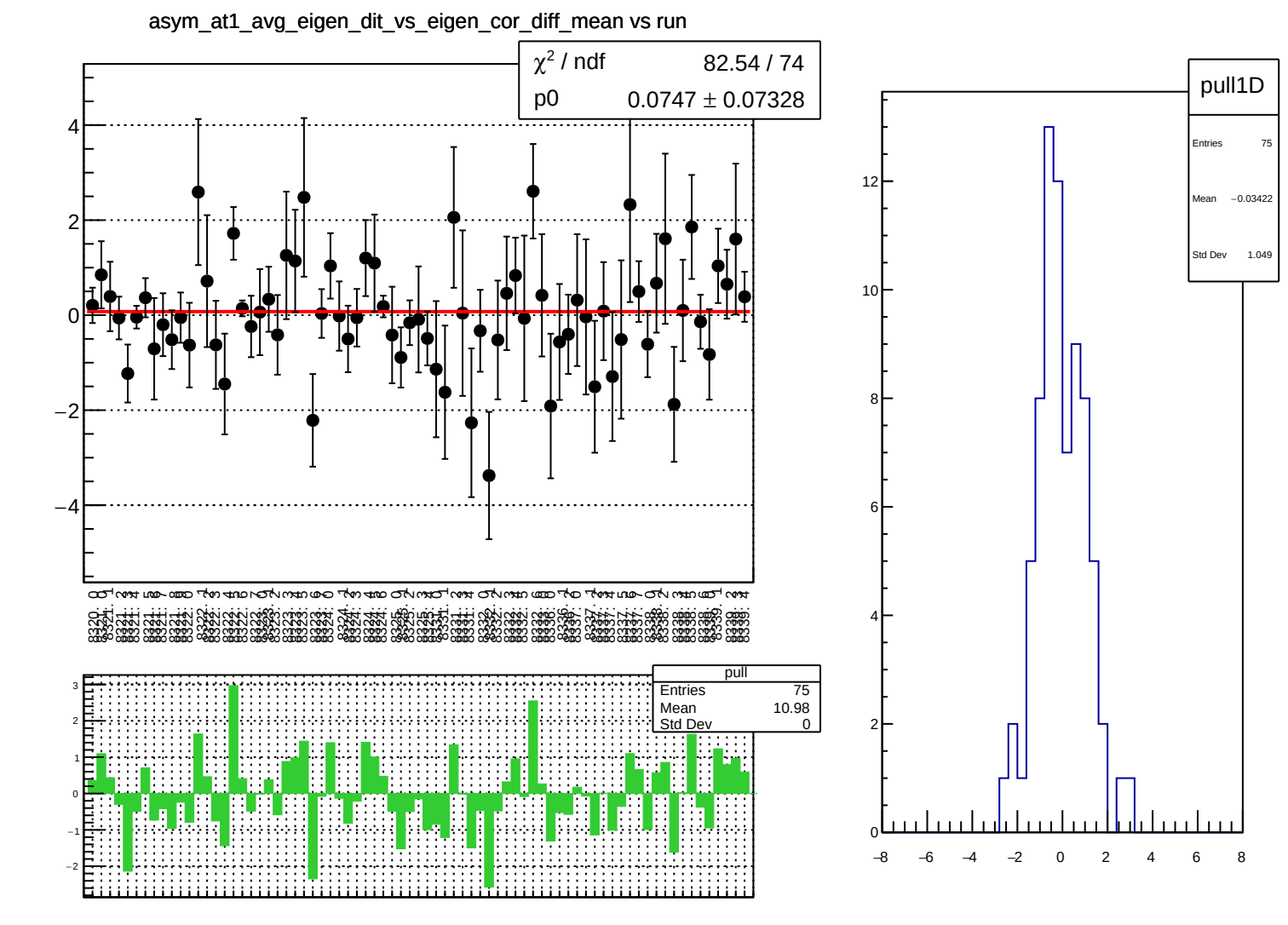

pull1D
Entries 75
Mean −0.01006
Std Dev 1.039

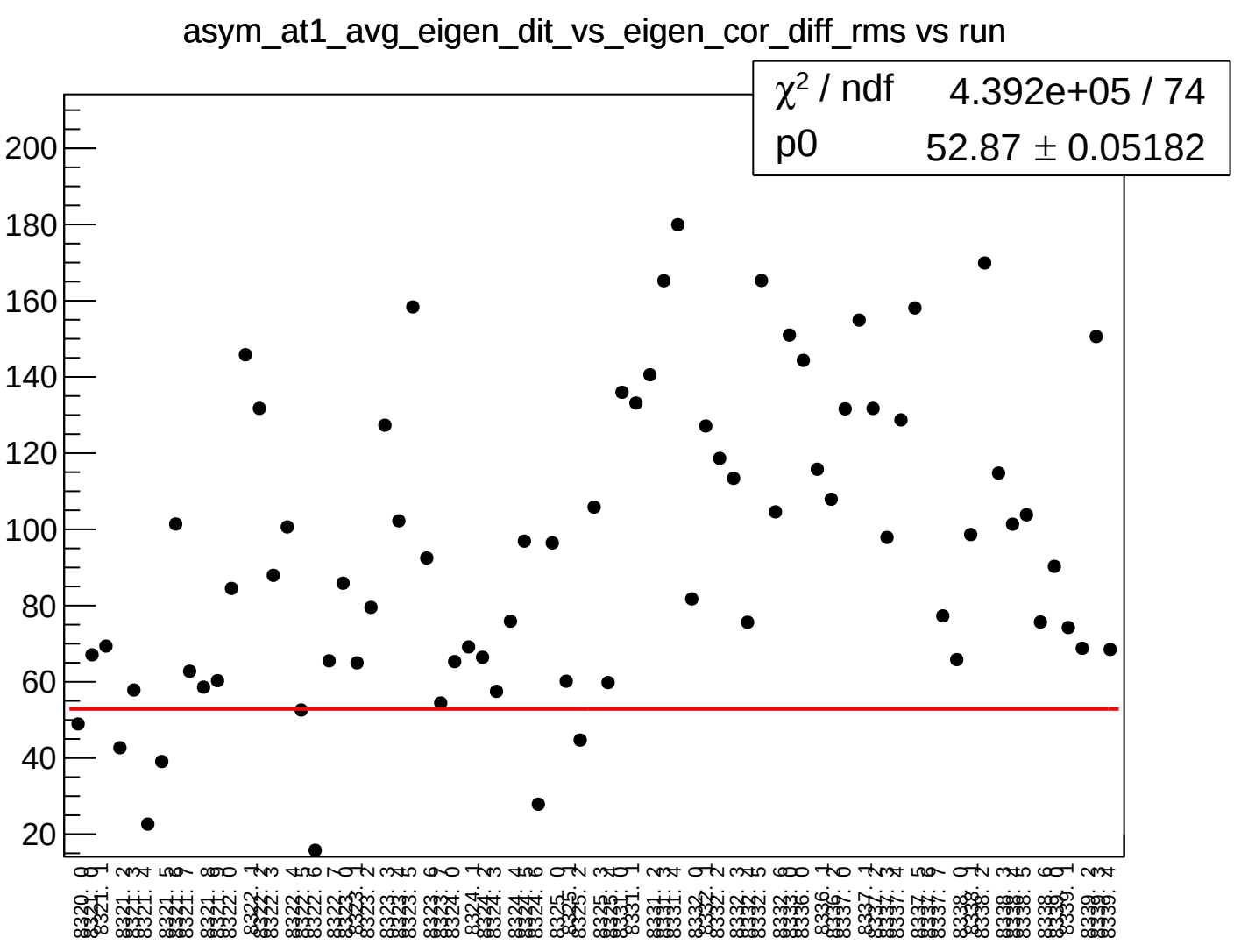

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.021e+04 / 74
p0 0.0006697 ± 5.524e−07
0.8
0.75
0.7
0.65
0.6

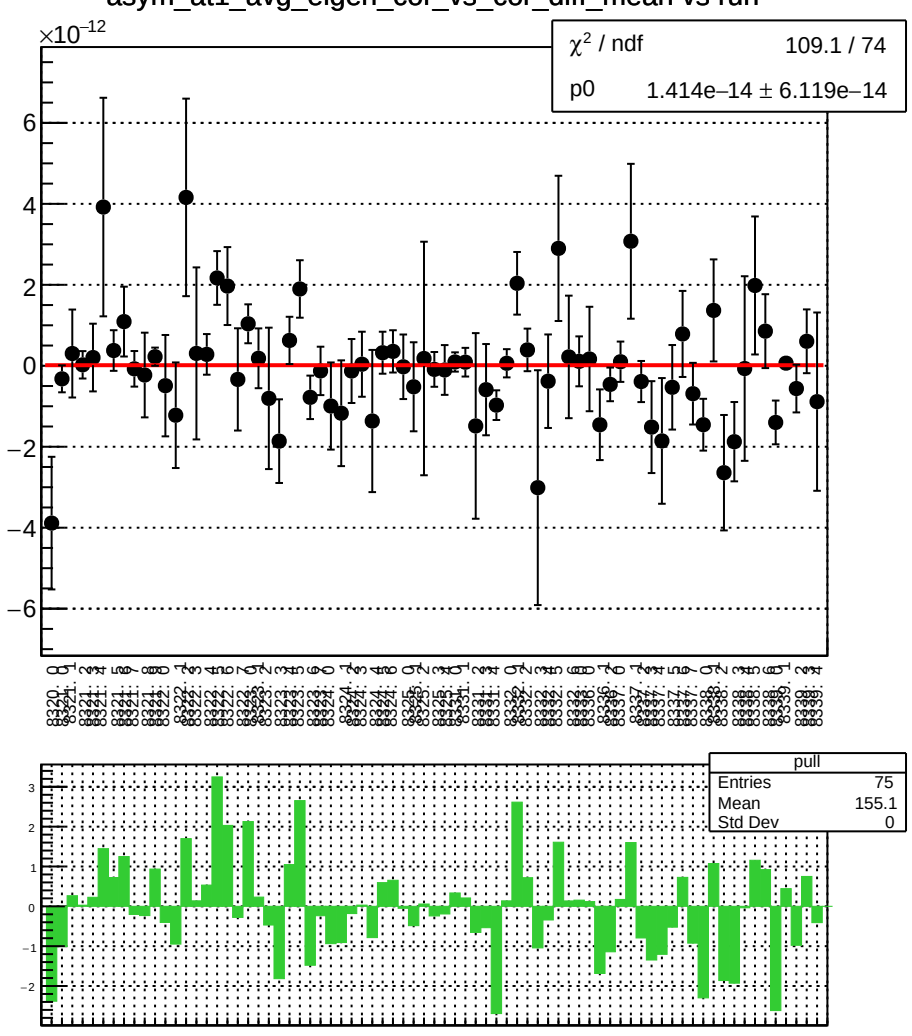

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.54 / 74
p0 0.0747 ± 0.07328
pull
Entries 75
Mean 10.98
Std Dev 0

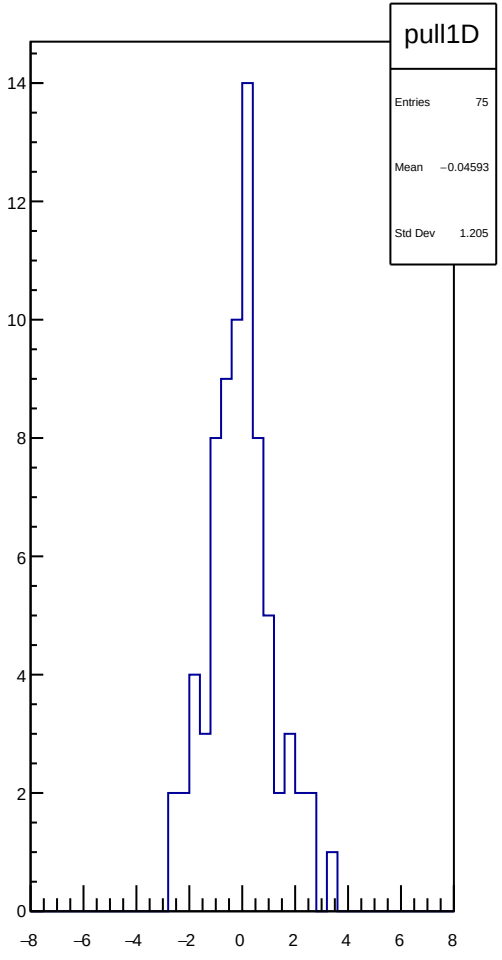

pull1D
Entries 75
Mean −0.03422
Std Dev 1.049

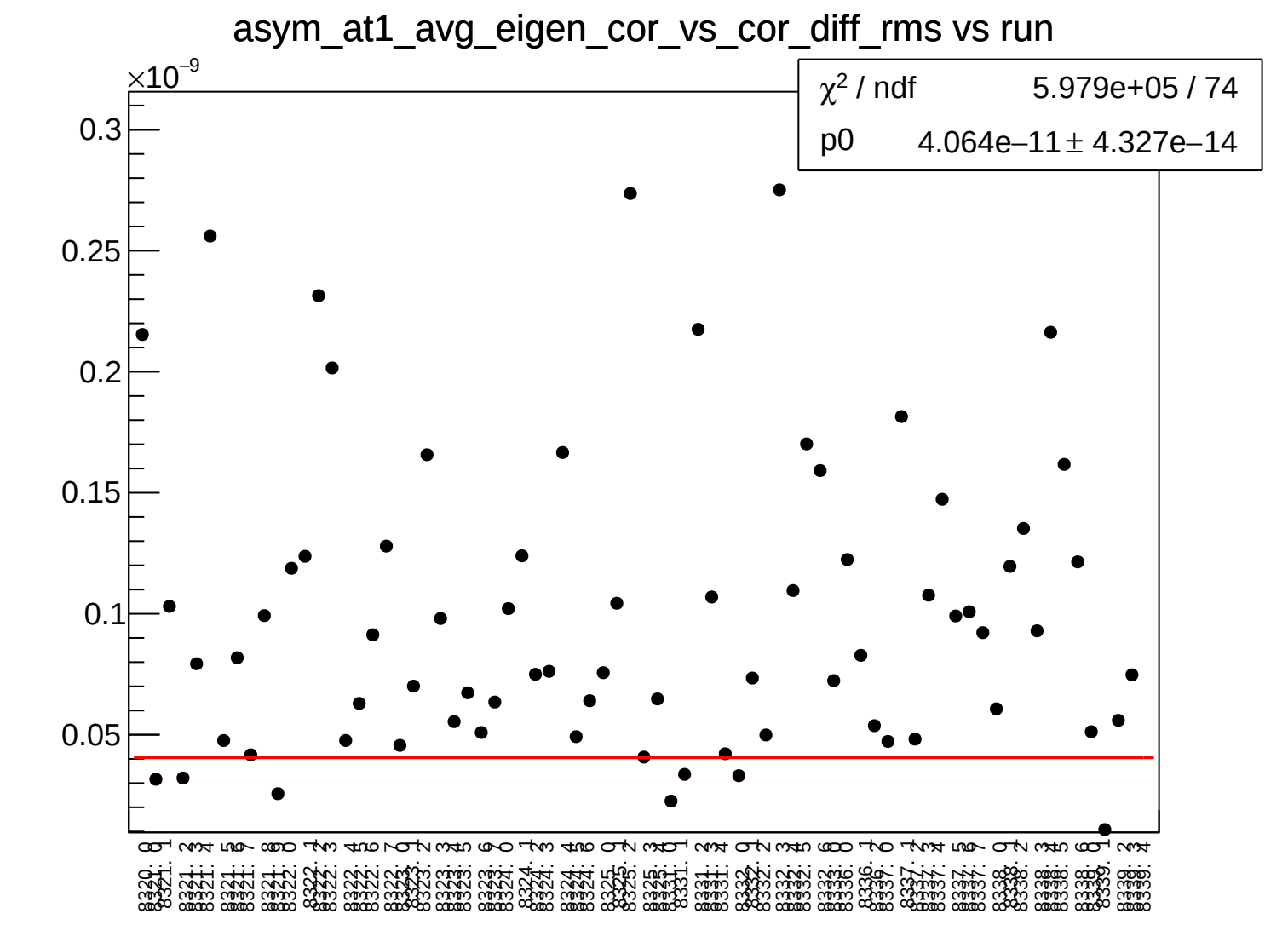

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.392e+05 / 74
p0 52.87 ± 0.05182
200
180
160
140
120
100
80
60
40
20

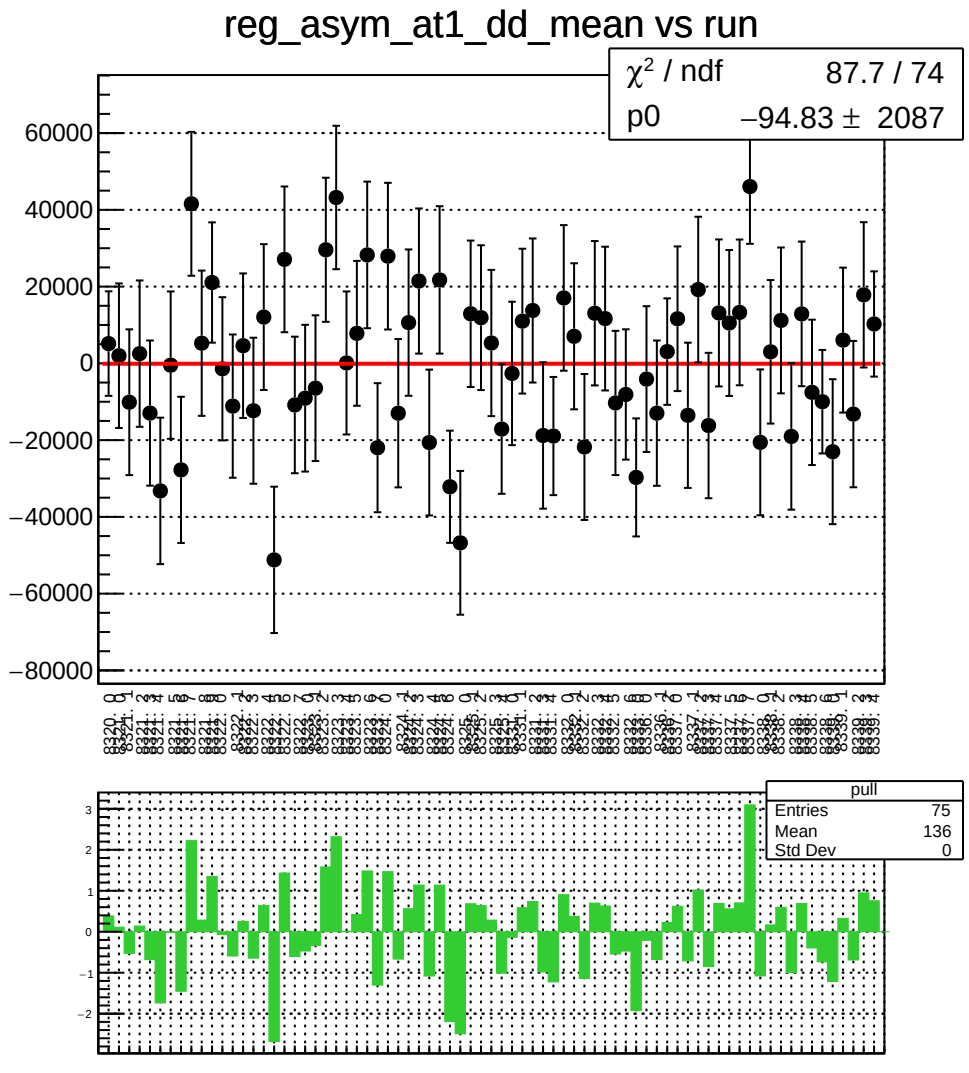

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.54 / 74
p0 0.0747 ± 0.07328
pull
Entries 75
Mean 10.98
Std Dev 0
pull1D
Entries 75
Mean −0.03422
Std Dev 1.049

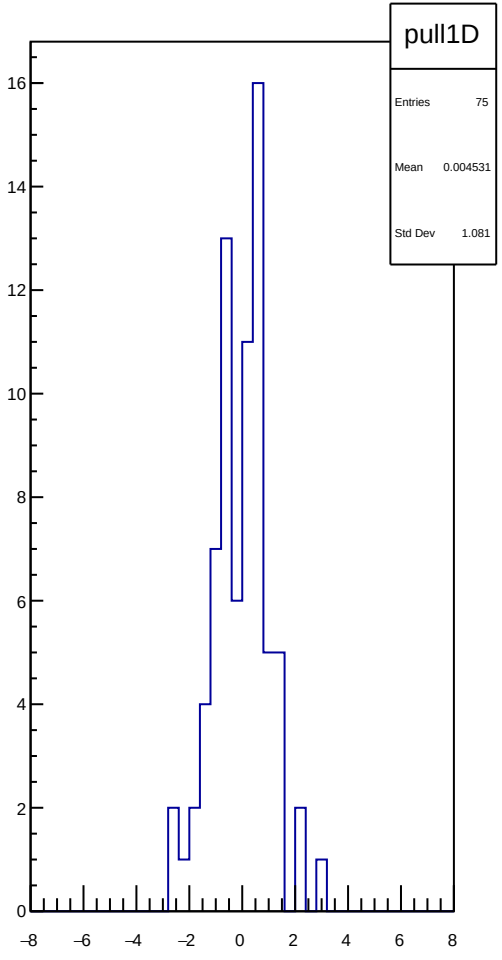

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.392e+05 / 74
p0 52.87 ± 0.05182
200
180
160
140
120
100
80
60
40
20

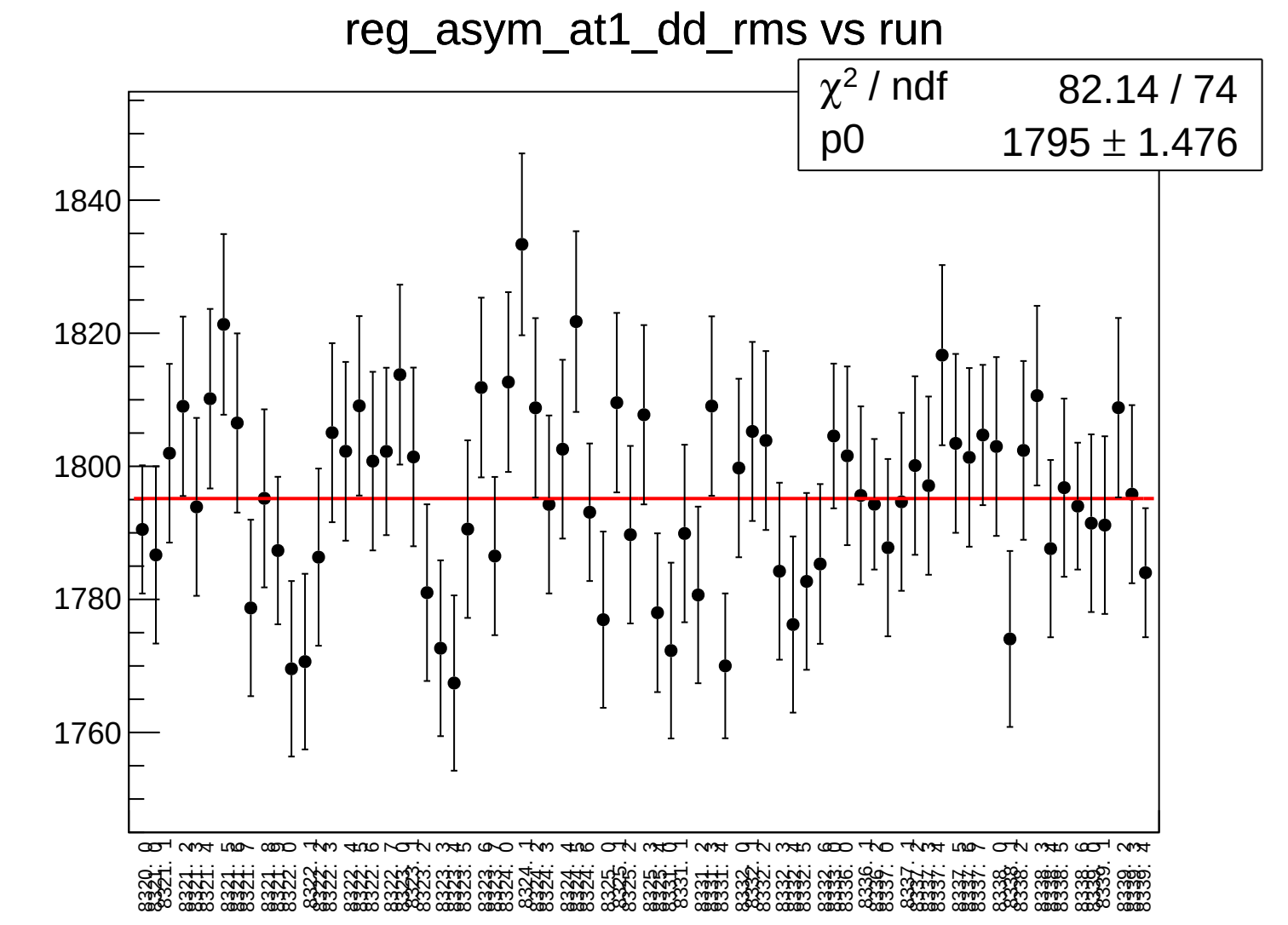

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 109.1 / 74
p0 1.414e−14 ± 6.119e−14
pull
Entries 75
Mean 155.1
Std Dev 0

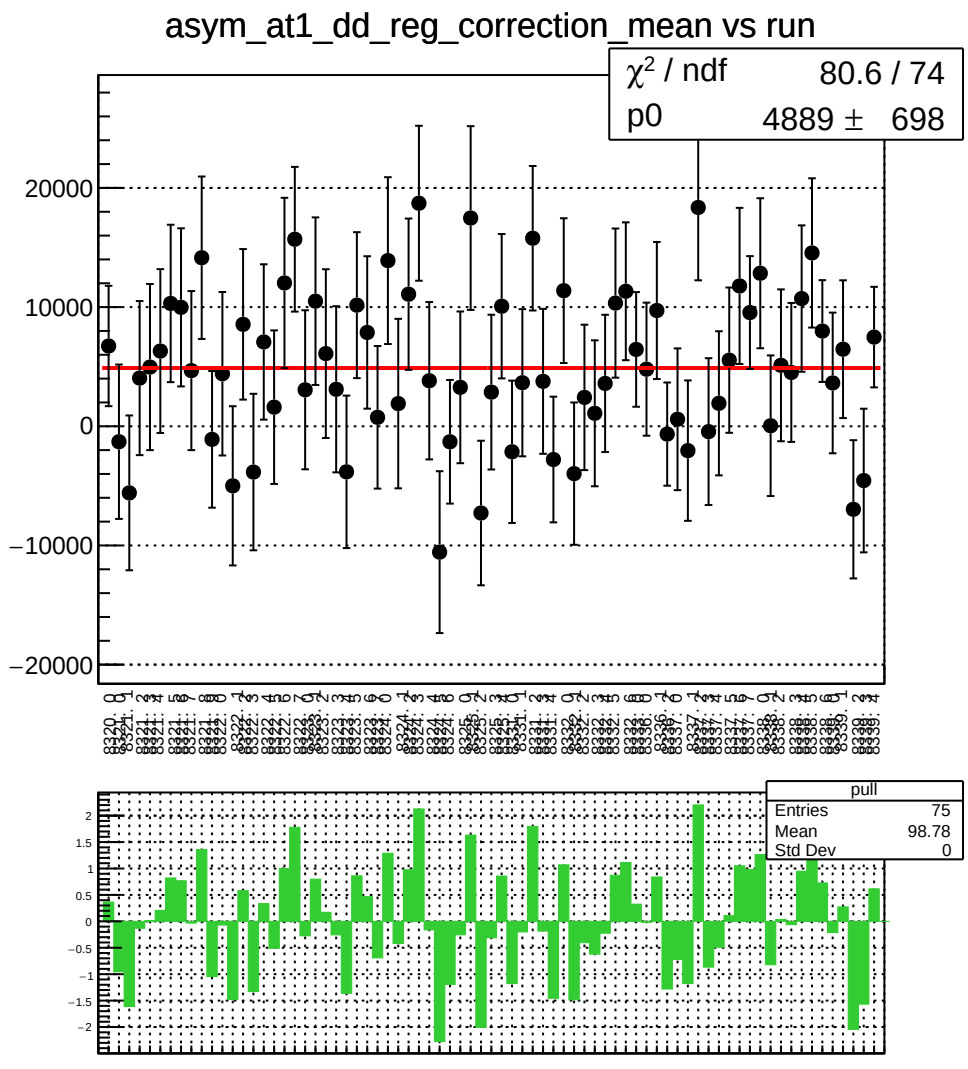

pull1D
Entries 75
Mean −0.04593
Std Dev 1.205

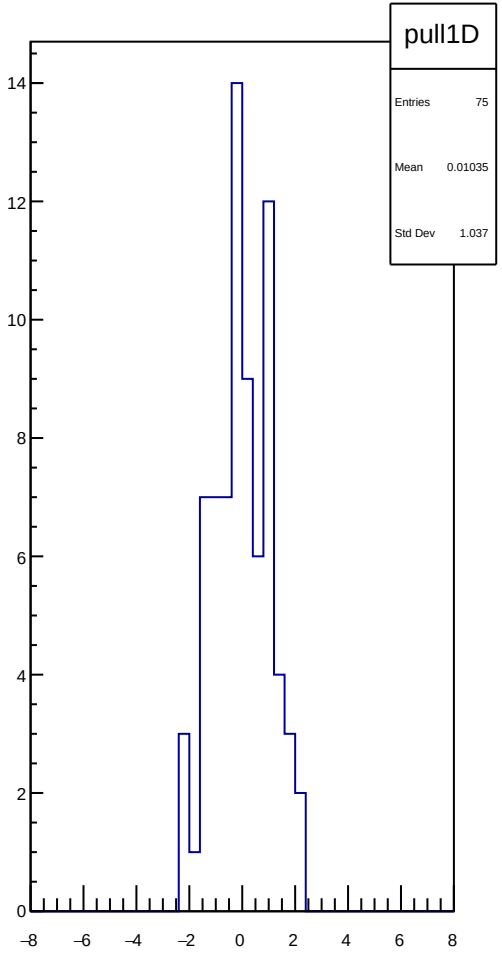

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.979e+05 / 74
p0 4.064e−11 ± 4.327e−14
0.3
0.25
0.2
0.15
0.1
0.05

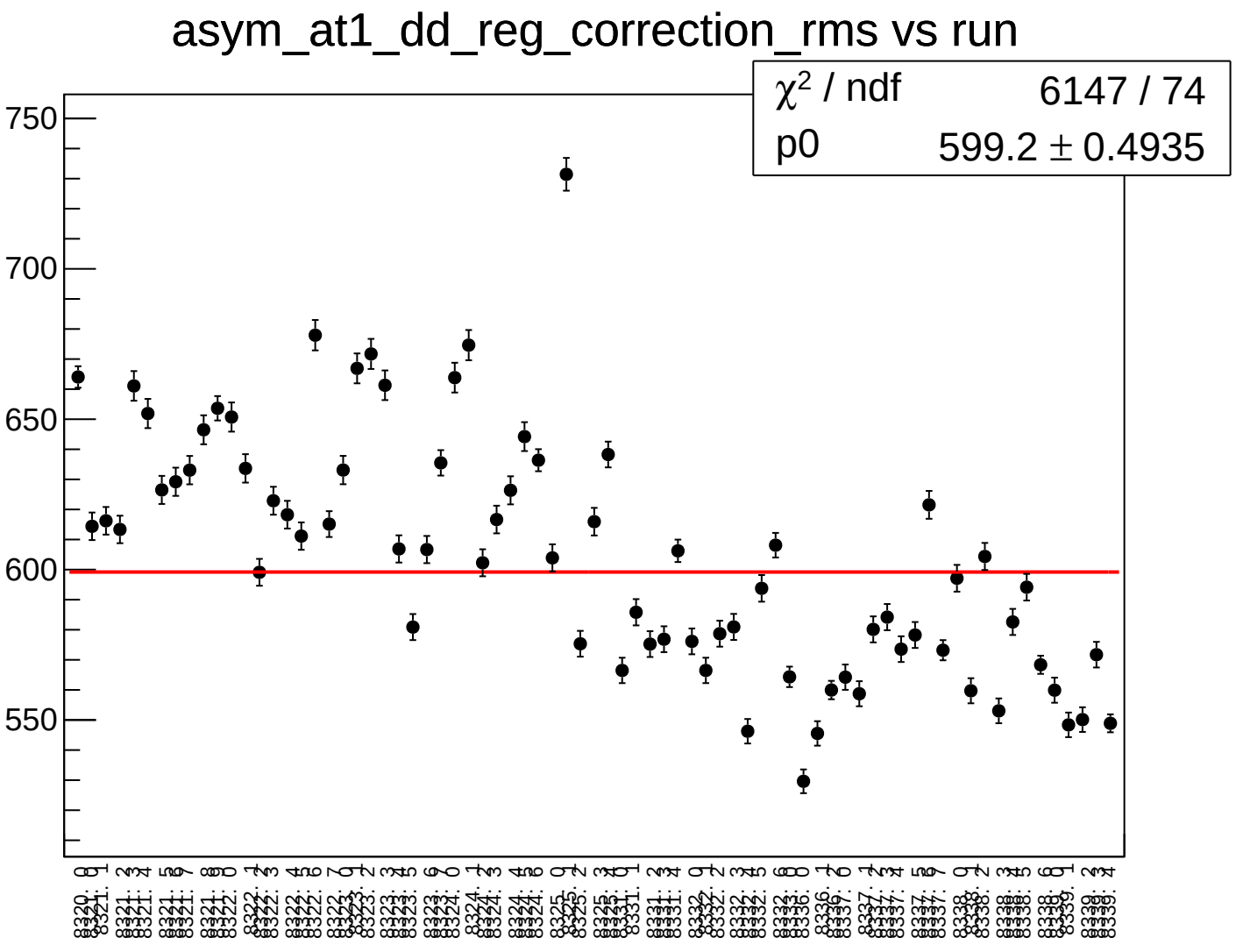

reg_asym_at1_dd_mean vs run
χ² / ndf 87.7 / 74
p0 −94.83 ± 2087
pull
Entries 75
Mean 136
Std Dev 0

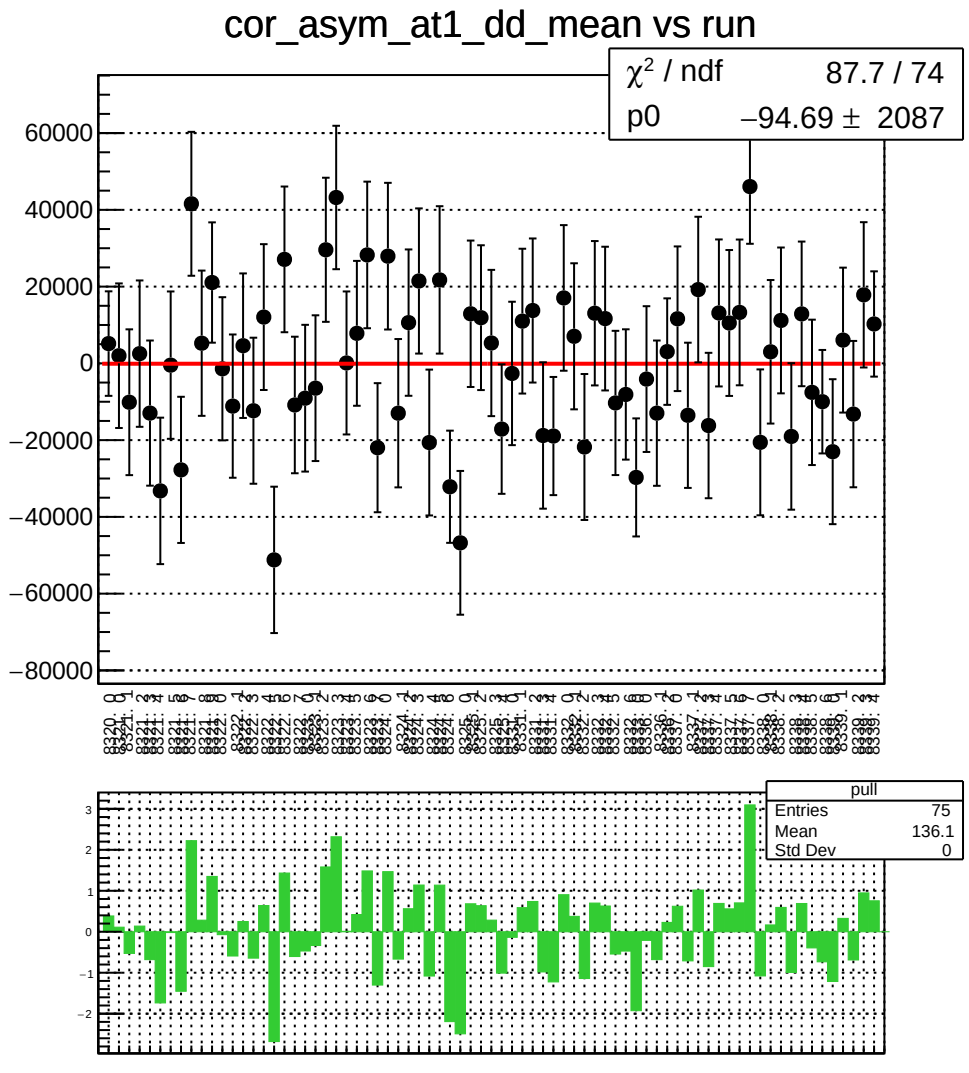

pull1D
Entries 75
Mean 0.004531
Std Dev 1.081

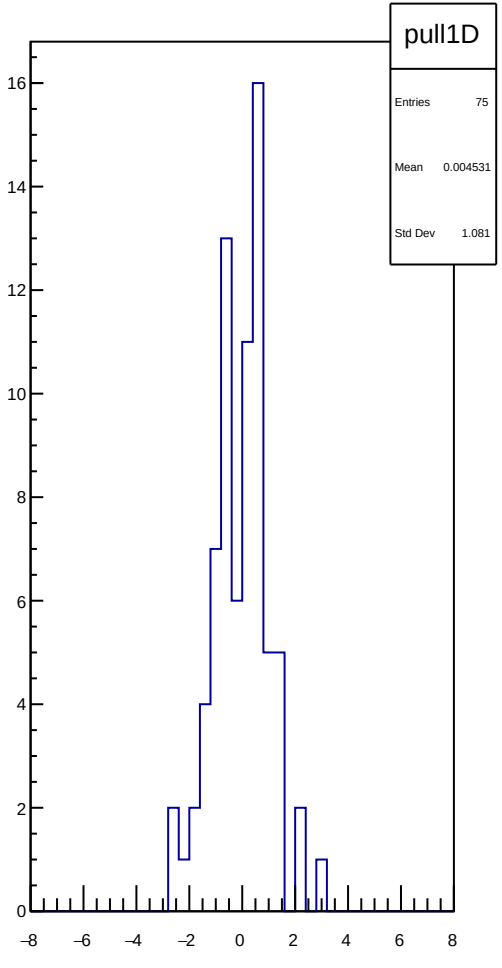

reg_asym_at1_dd_rms vs run
χ² / ndf 82.14 / 74
p0 1795 ± 1.476
1840
1820
1800
1780
1760

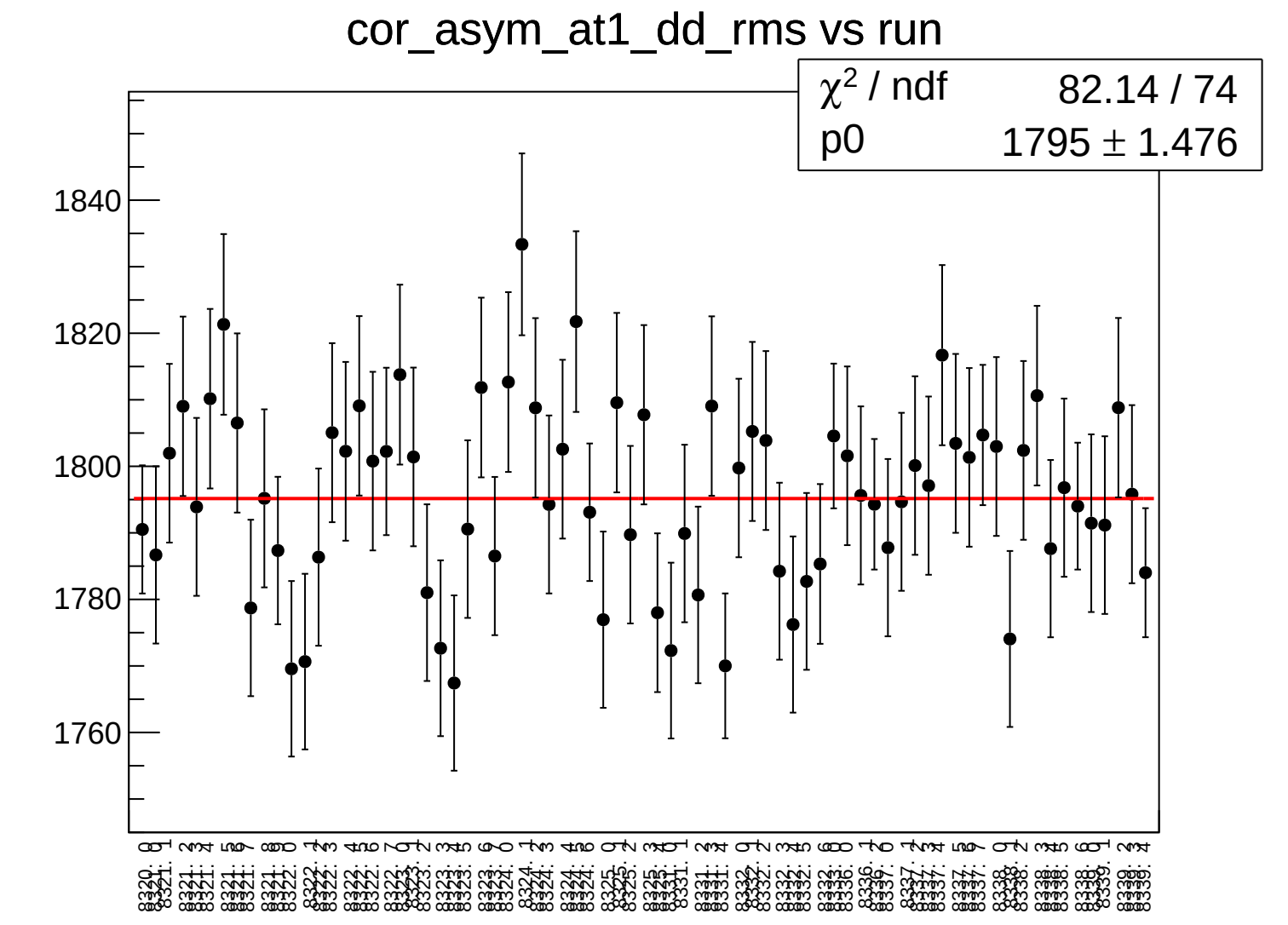

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 80.6 / 74
p0 4889 ± 698
pull
Entries 75
Mean 98.78
Std Dev 0

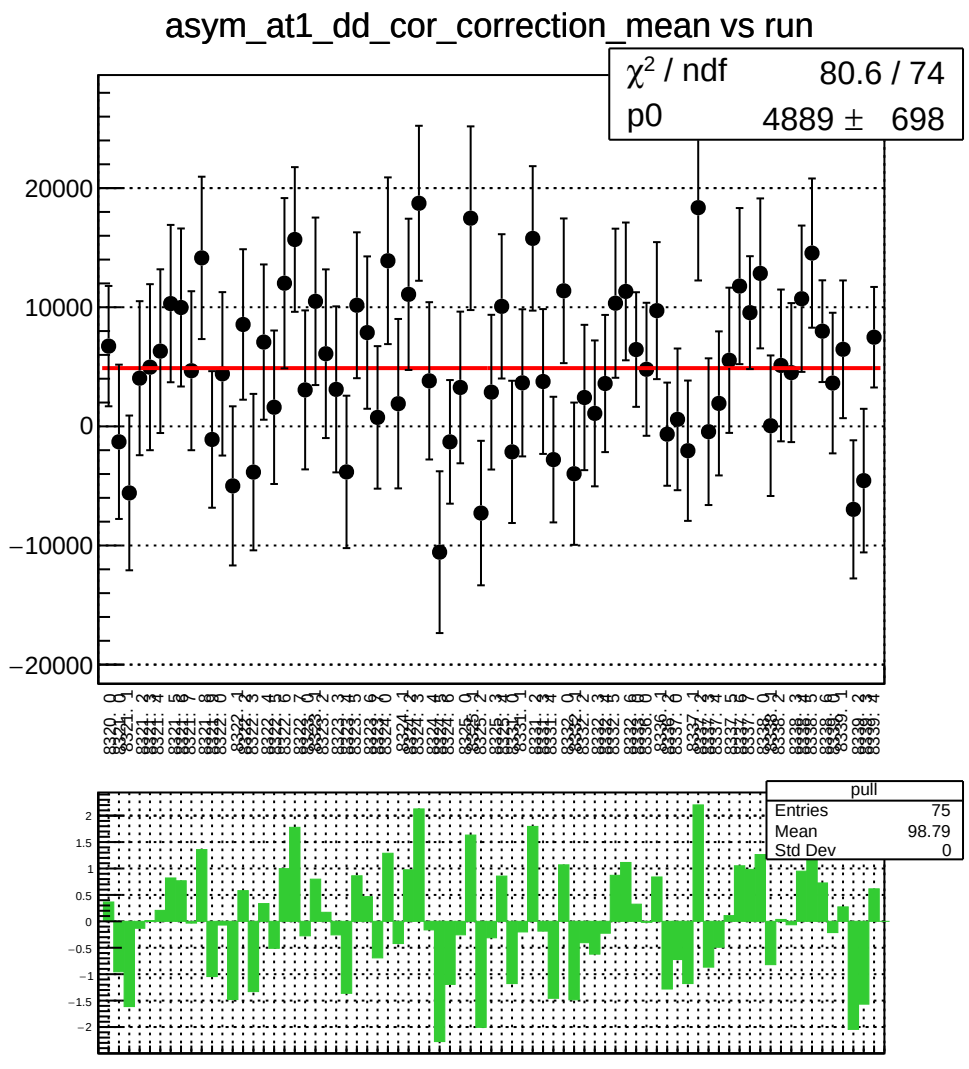

pull1D
Entries 75
Mean 0.01035
Std Dev 1.037

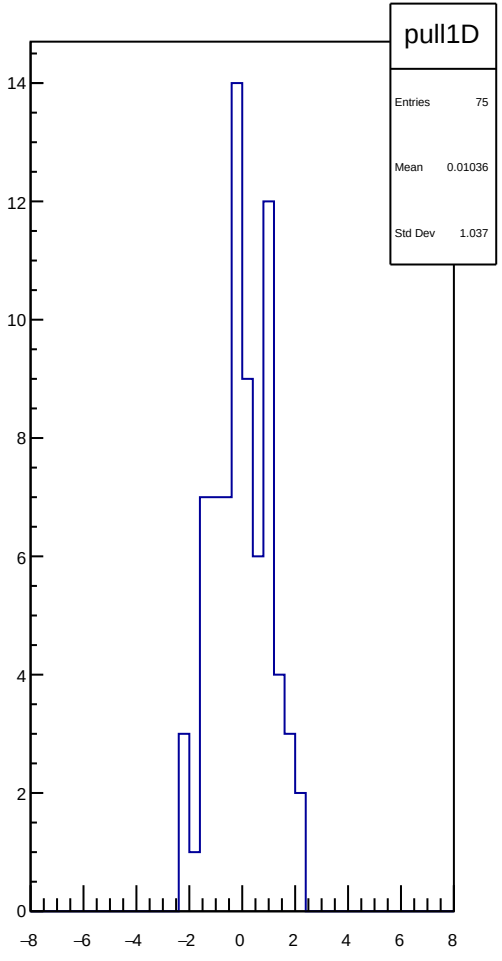

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 6147 / 74
p0 599.2 ± 0.4935
750
700
650
600
550

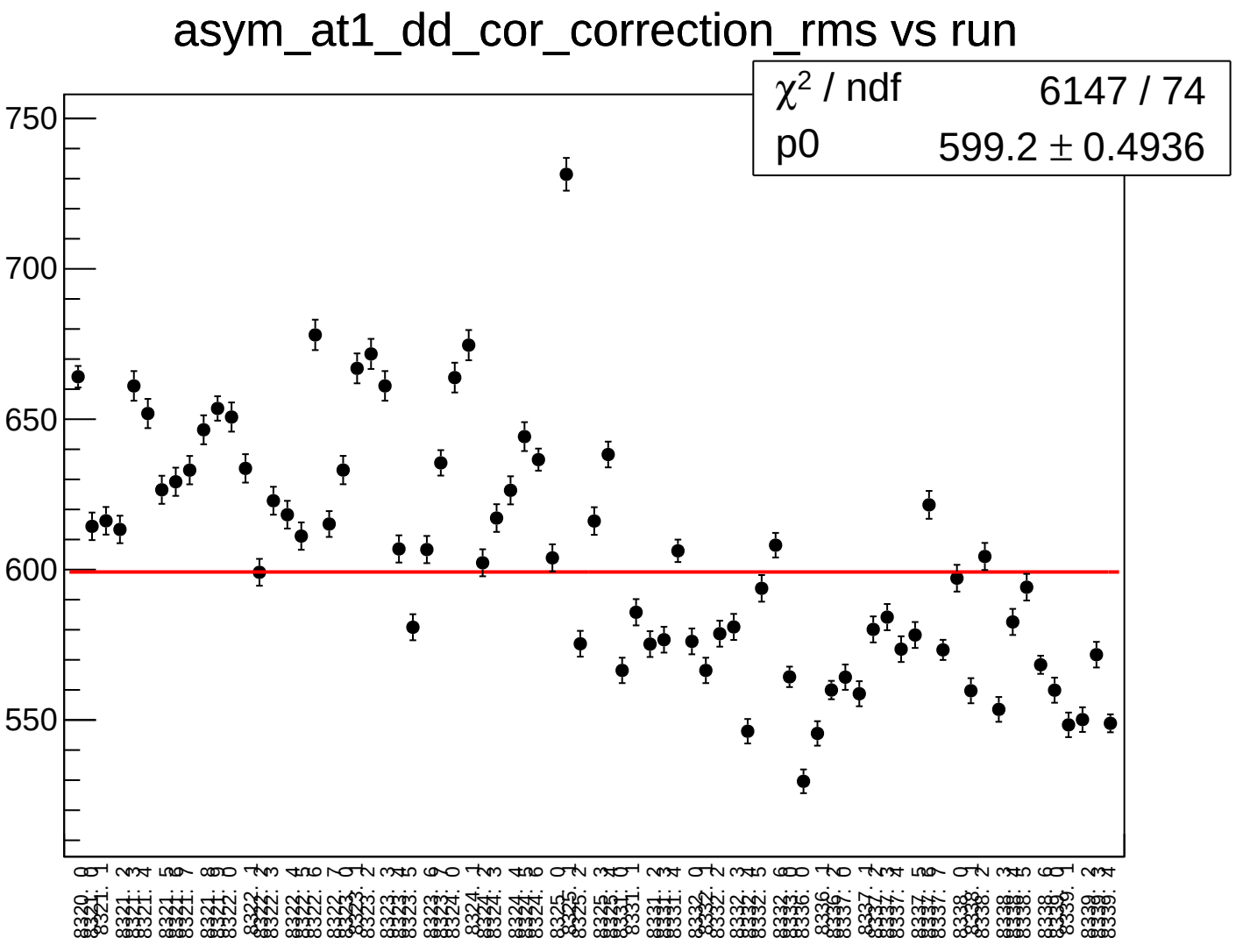

cor_asym_at1_dd_mean vs run
χ² / ndf 87.7 / 74
p0 −94.69 ± 2087
pull
Entries 75
Mean 136.1
Std Dev 0

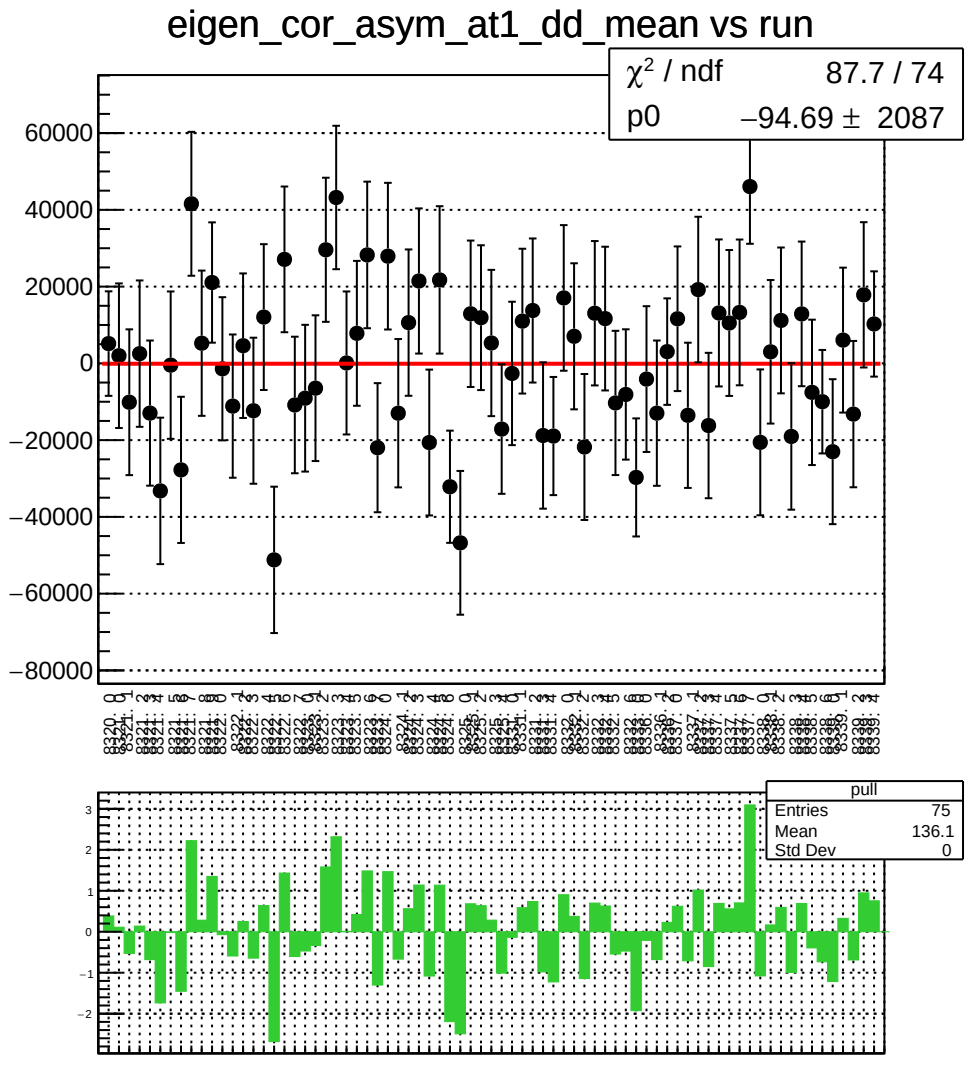

pull1D
Entries 75
Mean 0.004531
Std Dev 1.081

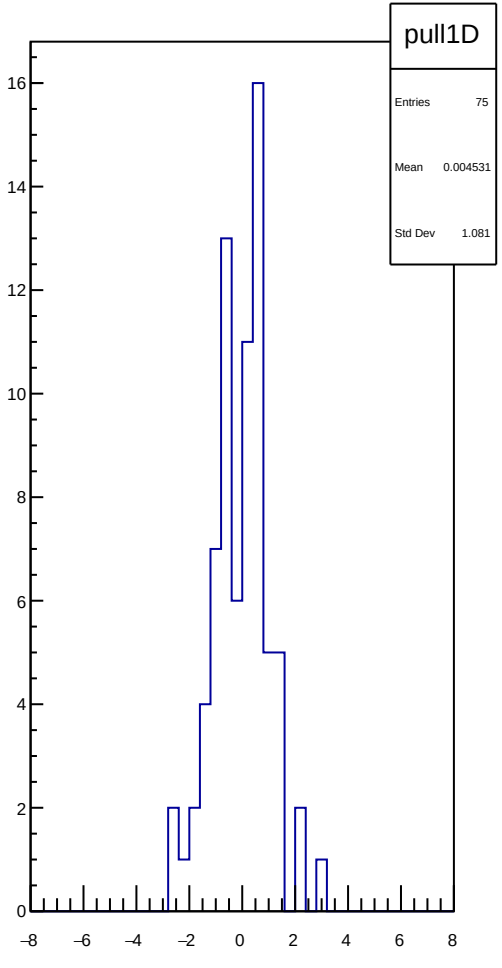

cor_asym_at1_dd_rms vs run
χ² / ndf 82.14 / 74
p0 1795 ± 1.476
1840
1820
1800
1780
1760

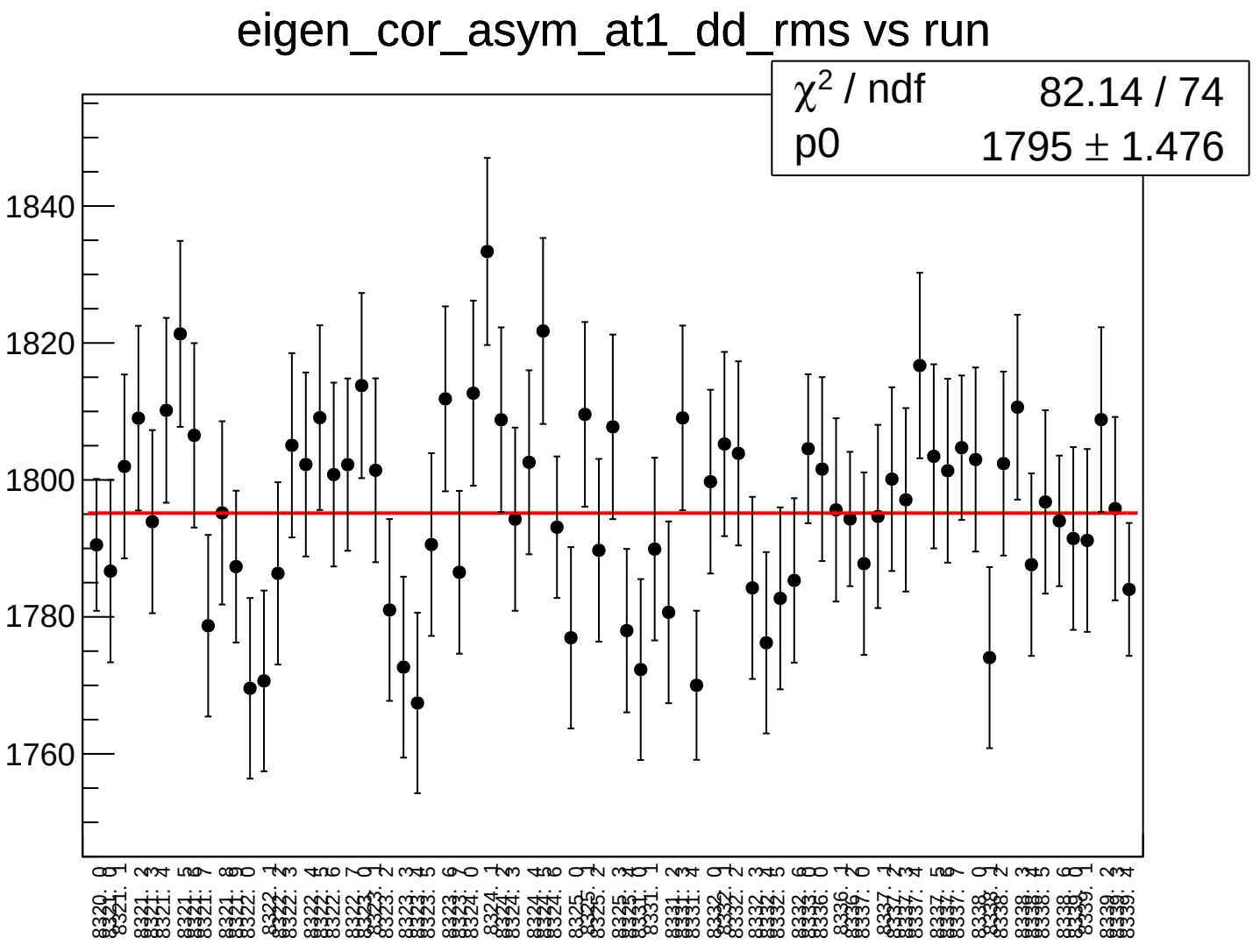

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 80.6 / 74
p0 4889 ± 698
pull
Entries 75
Mean 98.79
Std Dev 0

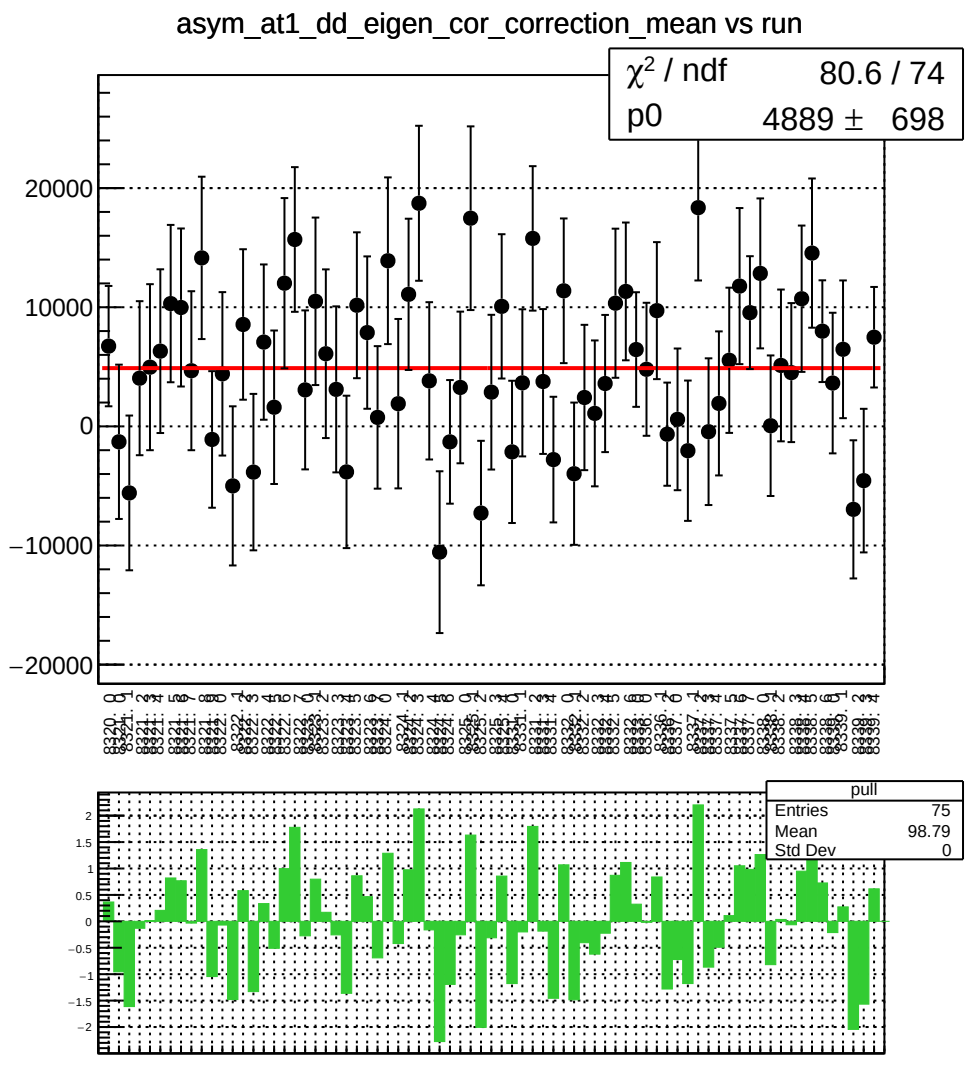

pull1D
Entries 75
Mean 0.01036
Std Dev 1.037

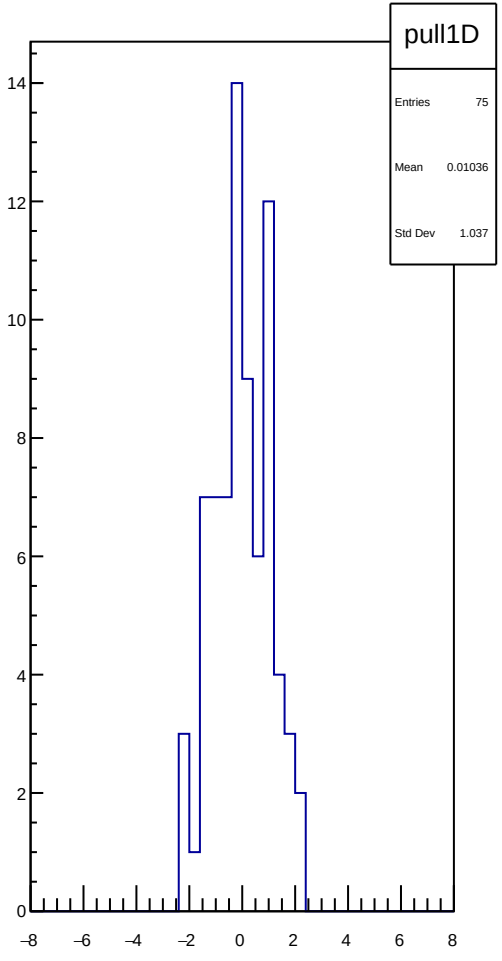

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 6147 / 74
p0 599.2 ± 0.4936
750
700
650
600
550

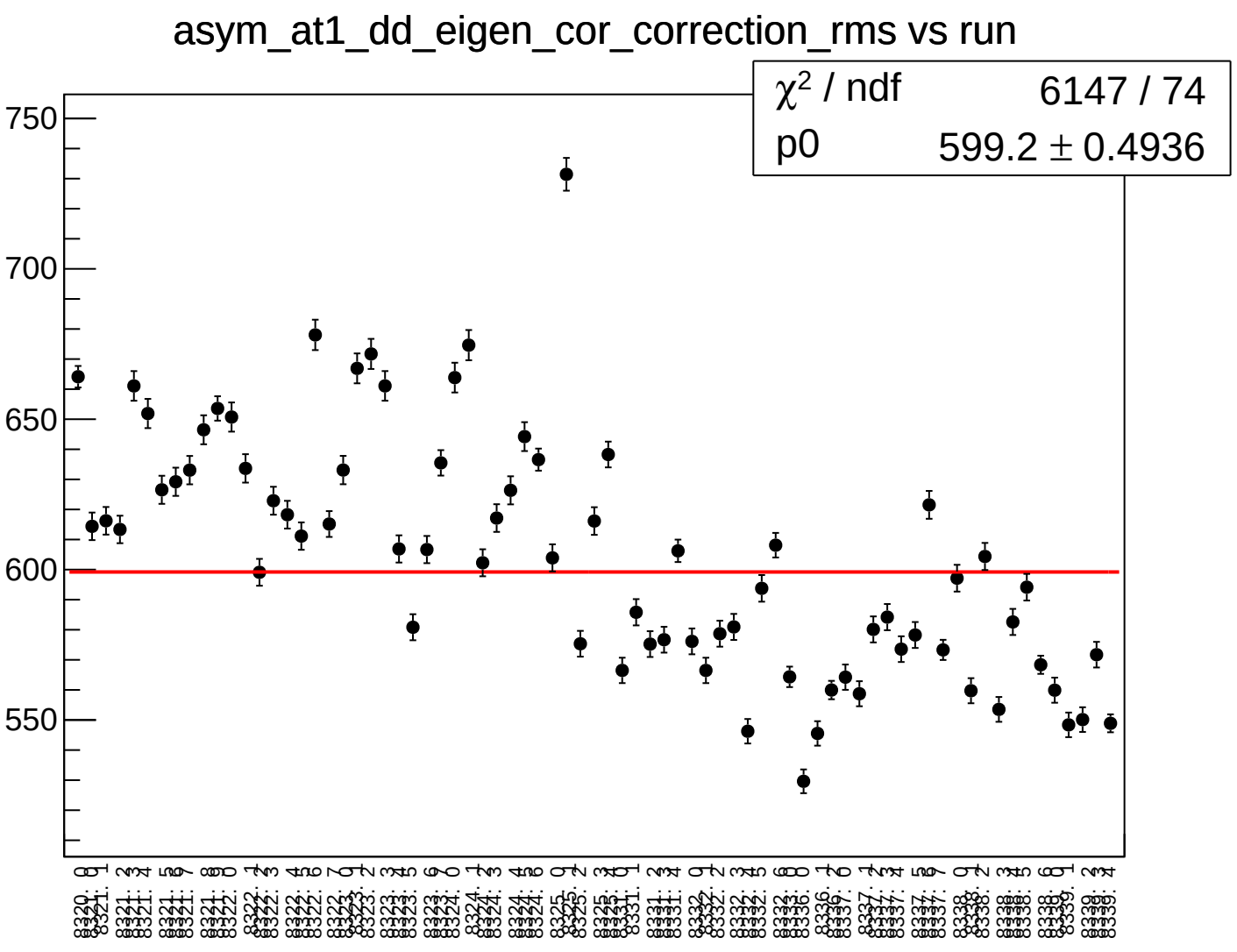

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 87.7 / 74
p0 −94.69 ± 2087
pull
Entries 75
Mean 136.1
Std Dev 0

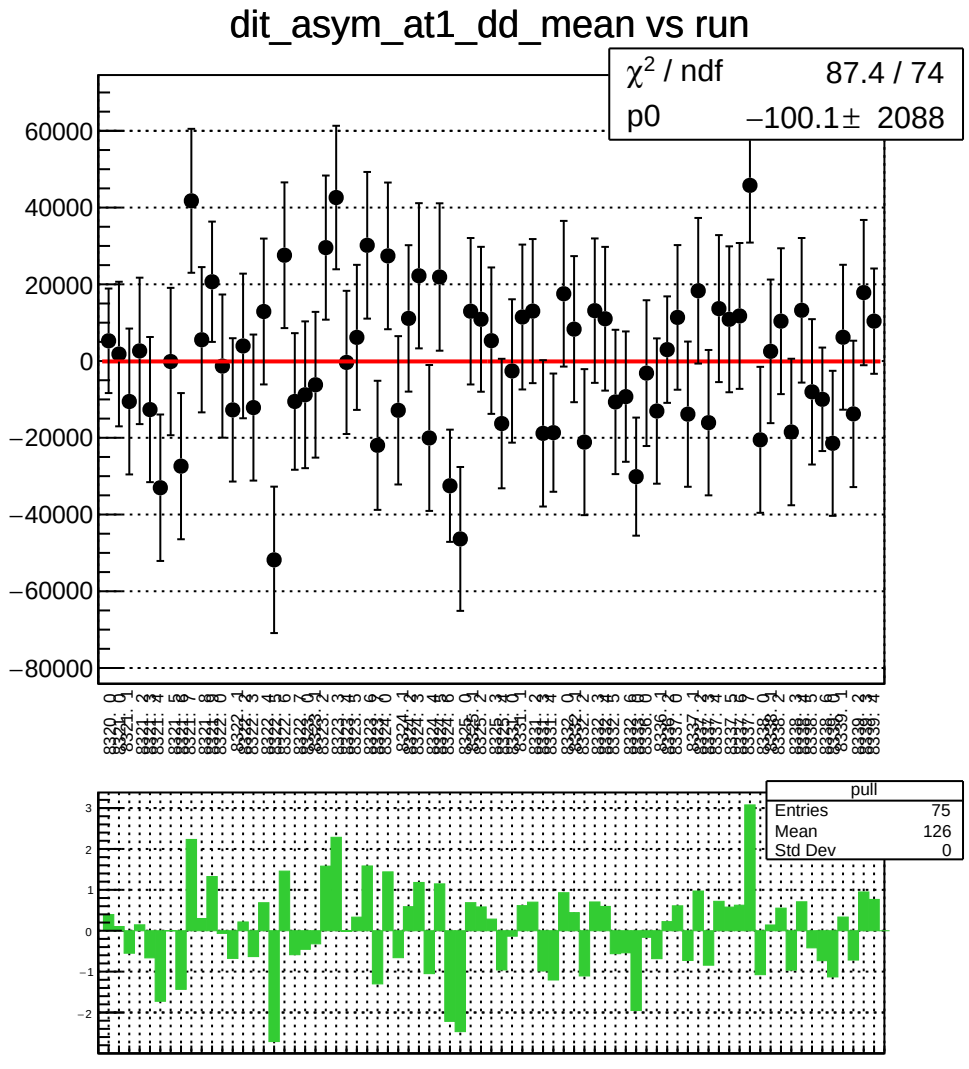

pull1D
Entries 75
Mean 0.004531
Std Dev 1.081

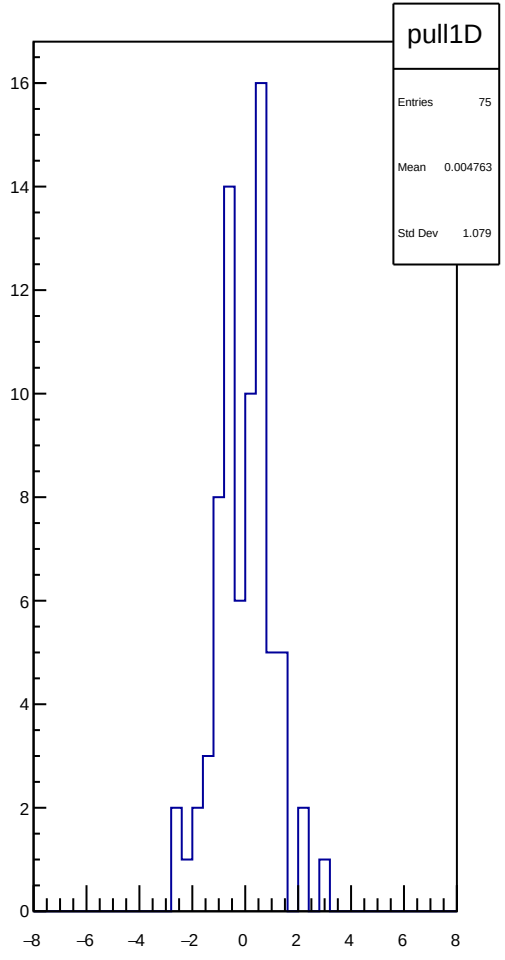

eigen_cor_asym_at1_dd_rms vs run
χ^2 / ndf 82.14 / 74
p0 1795 ± 1.476
1840
1820
1800
1780
1760

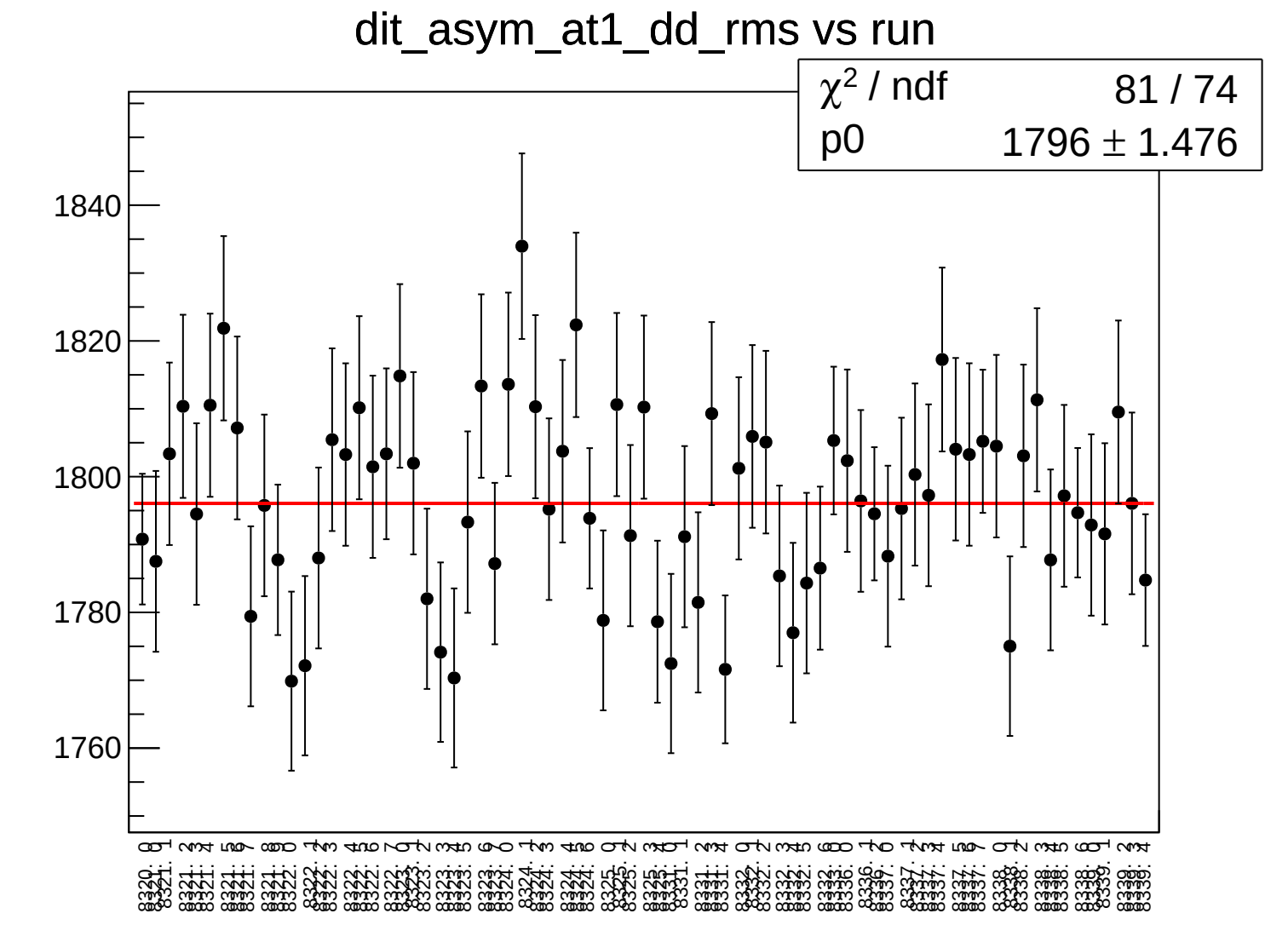

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 80.6 / 74
p0 4889 ± 698
pull
Entries 75
Mean 98.79
Std Dev 0

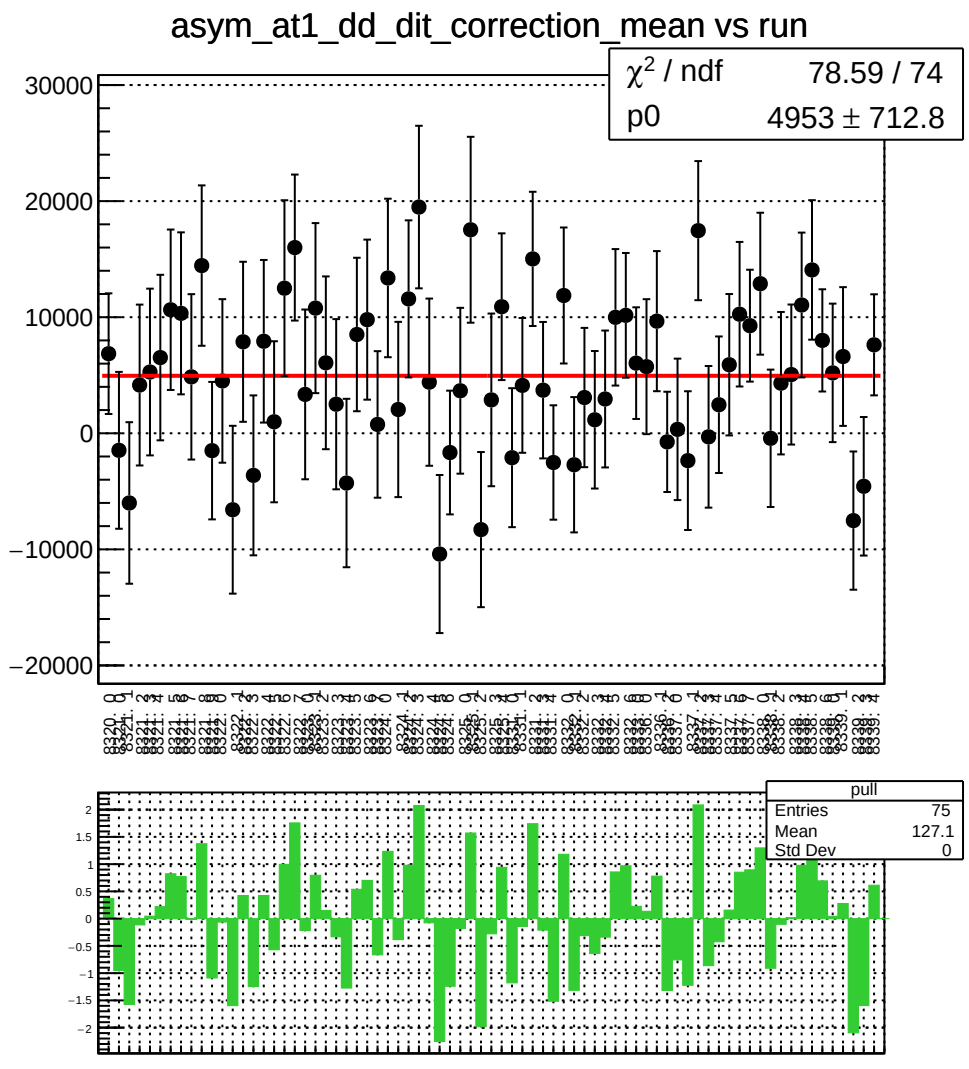

pull1D
Entries 75
Mean 0.01036
Std Dev 1.037

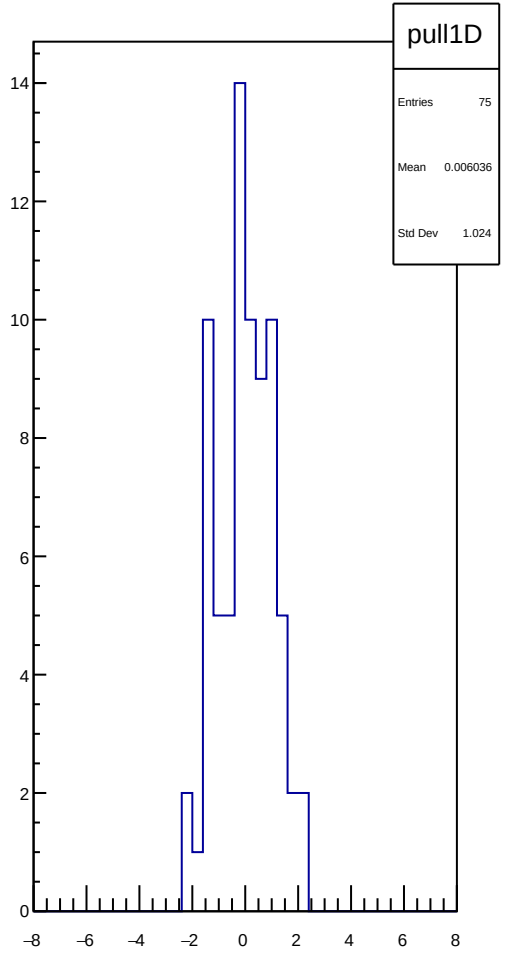

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6147 / 74
p0 599.2 ± 0.4936
750
700
650
600
550

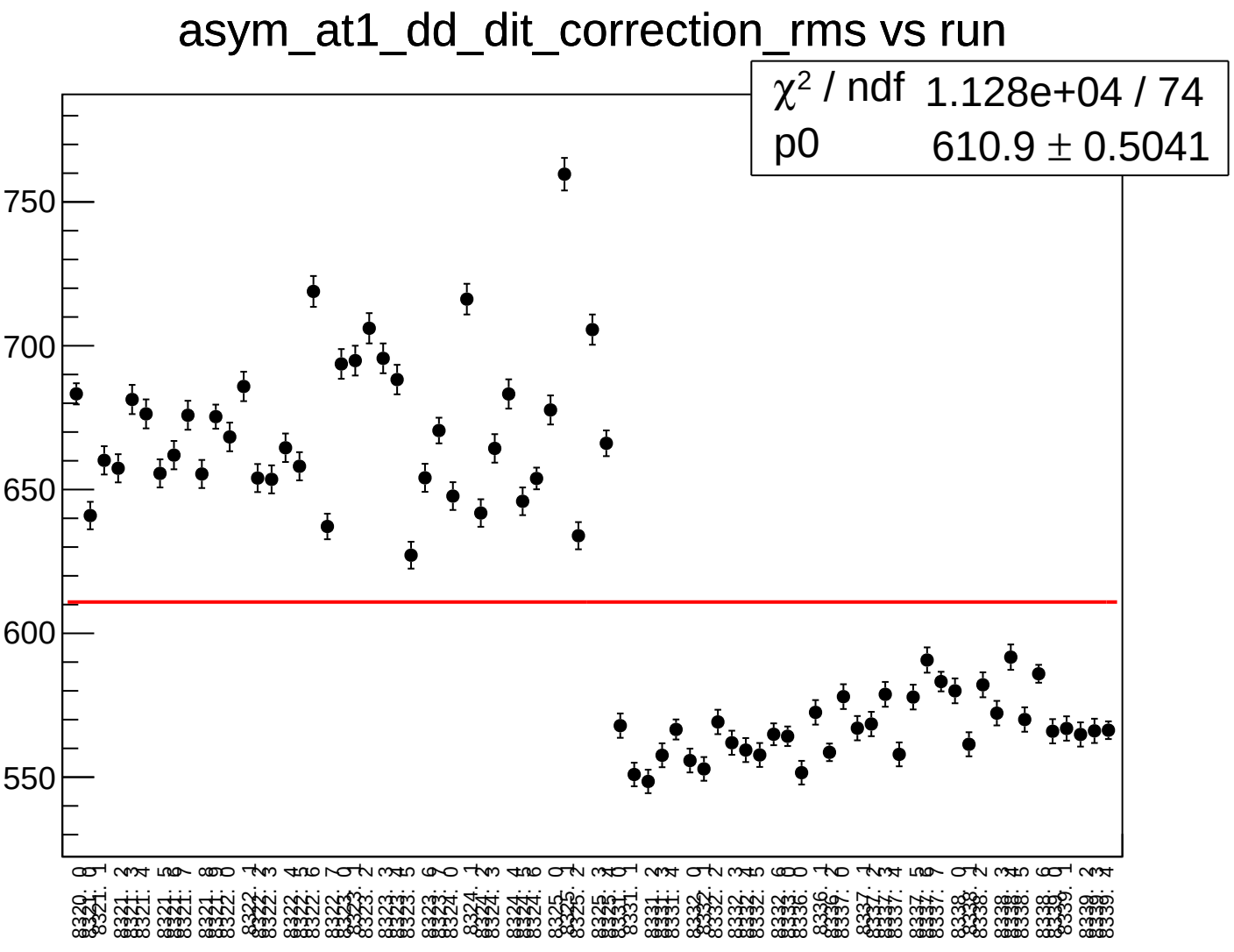

dit_asym_at1_dd_mean vs run
χ² / ndf 87.4 / 74
p0 −100.1± 2088
pull
Entries 75
Mean 126
Std Dev 0

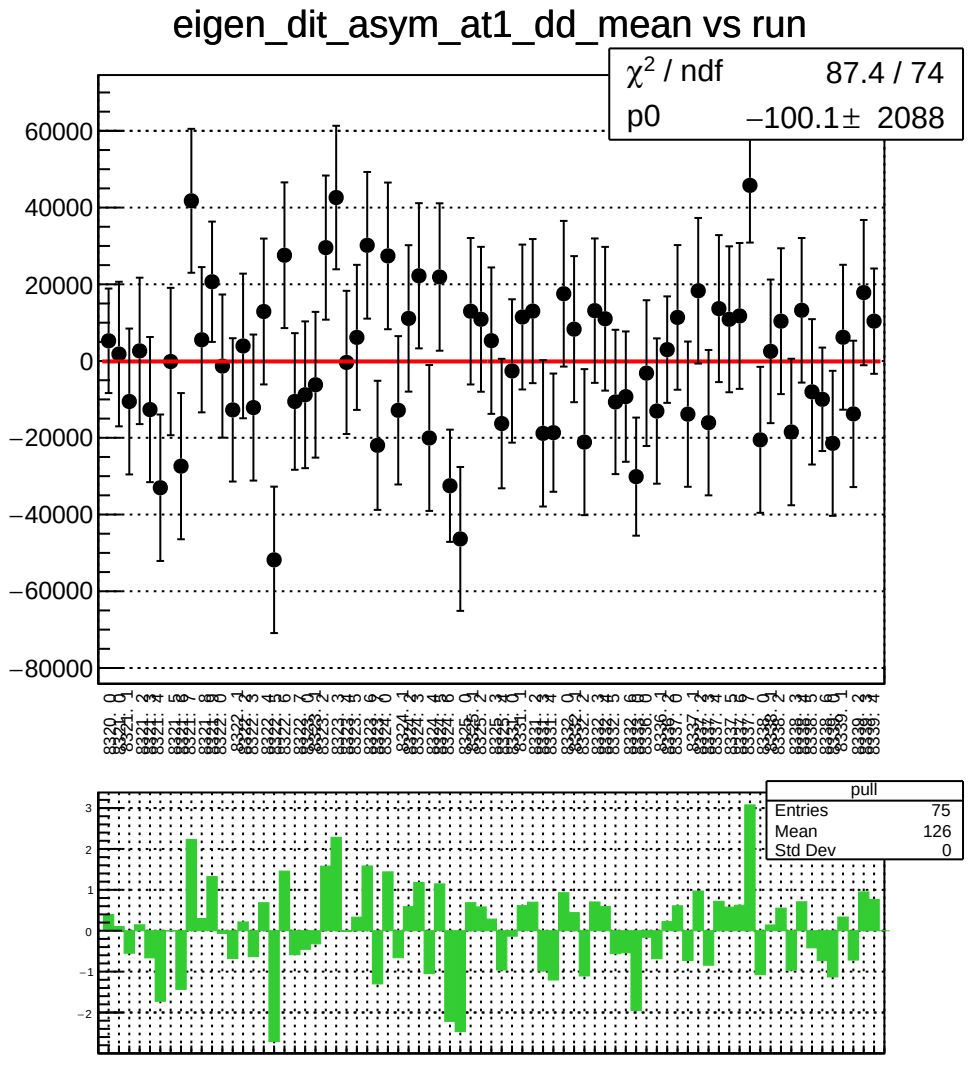

pull1D
Entries 75
Mean 0.004763
Std Dev 1.079

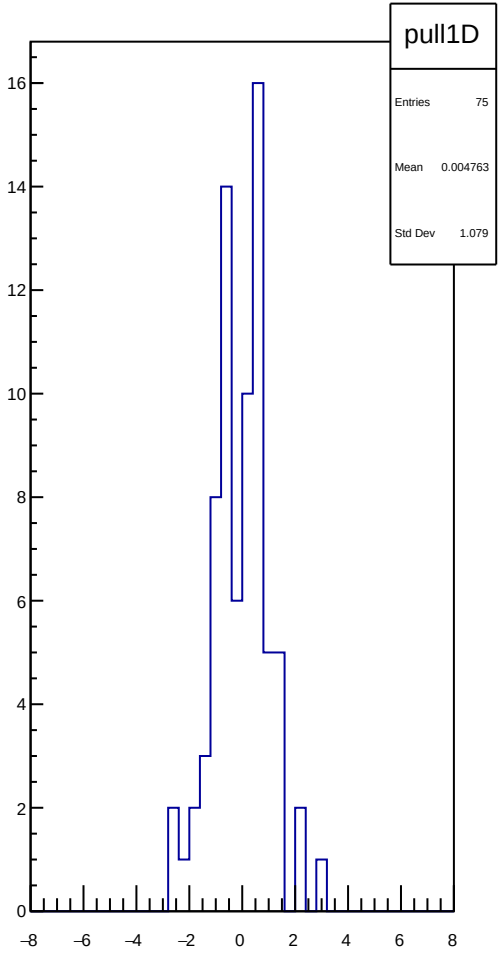

dit_asym_at1_dd_rms vs run
χ^2 / ndf 81 / 74
p0 1796 ± 1.476
1840
1820
1800
1780
1760

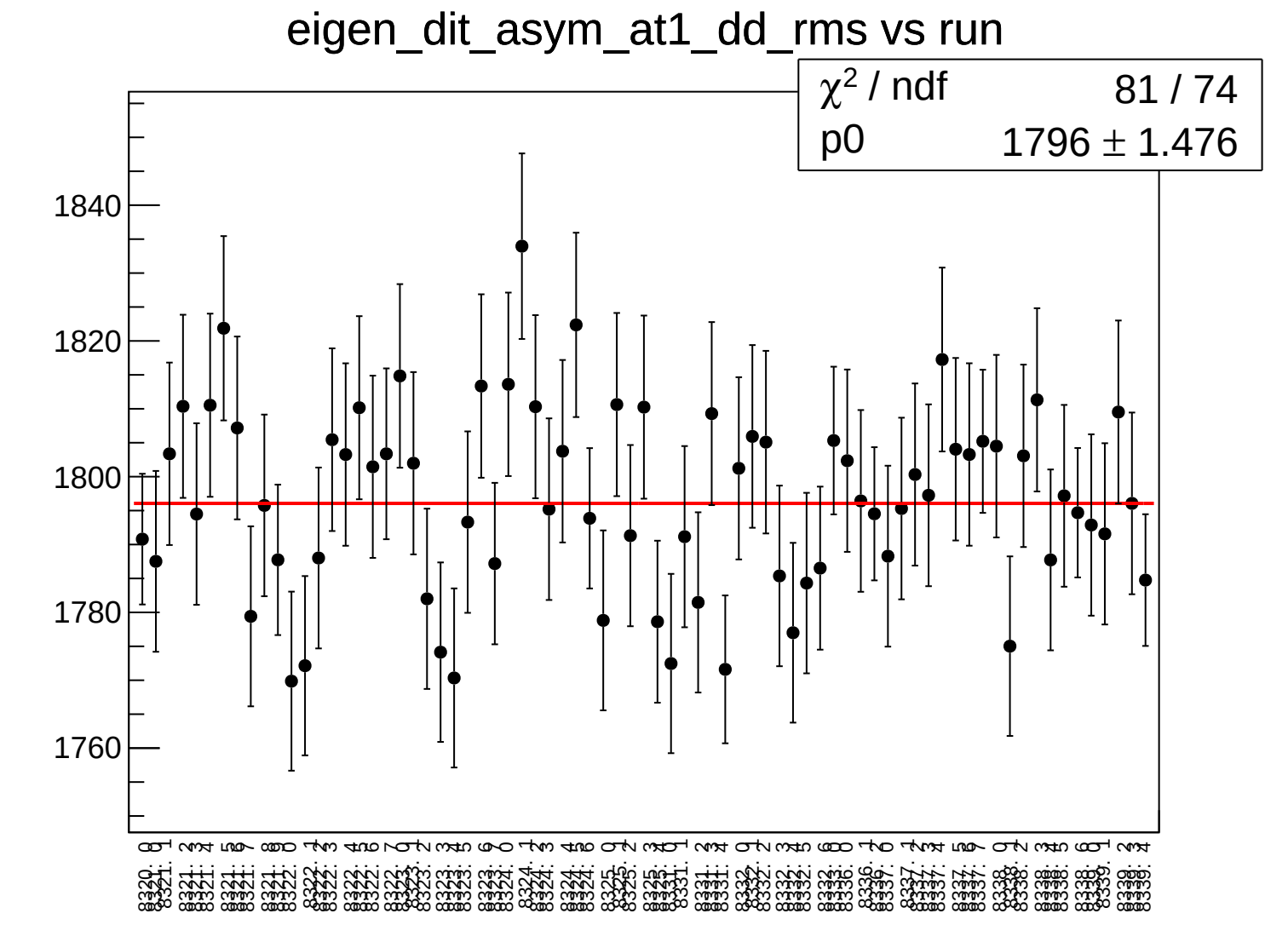

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 78.59 / 74
p0 4953 ± 712.8
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean 127.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

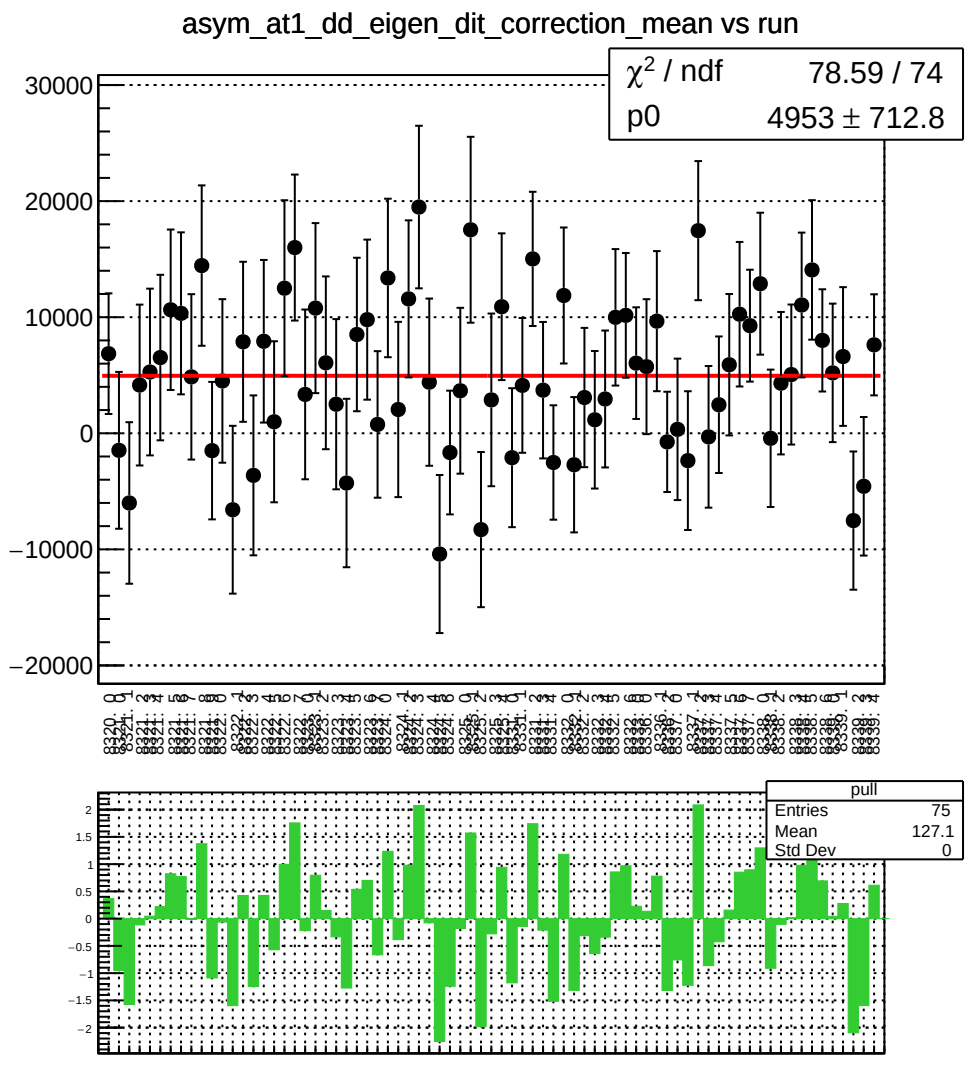

pull1D
Entries 75
Mean 0.006036
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

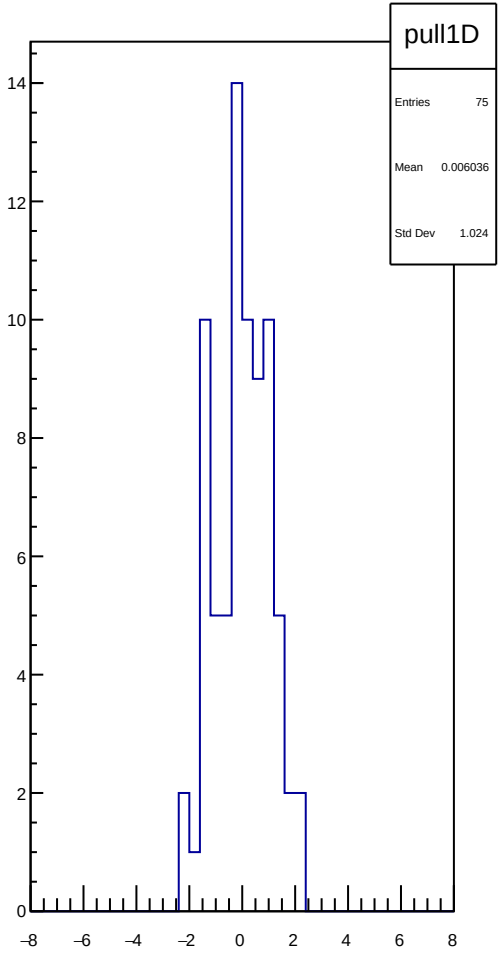

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 1.128e+04 / 74
p0 610.9 ± 0.5041
750
700
650
600
550

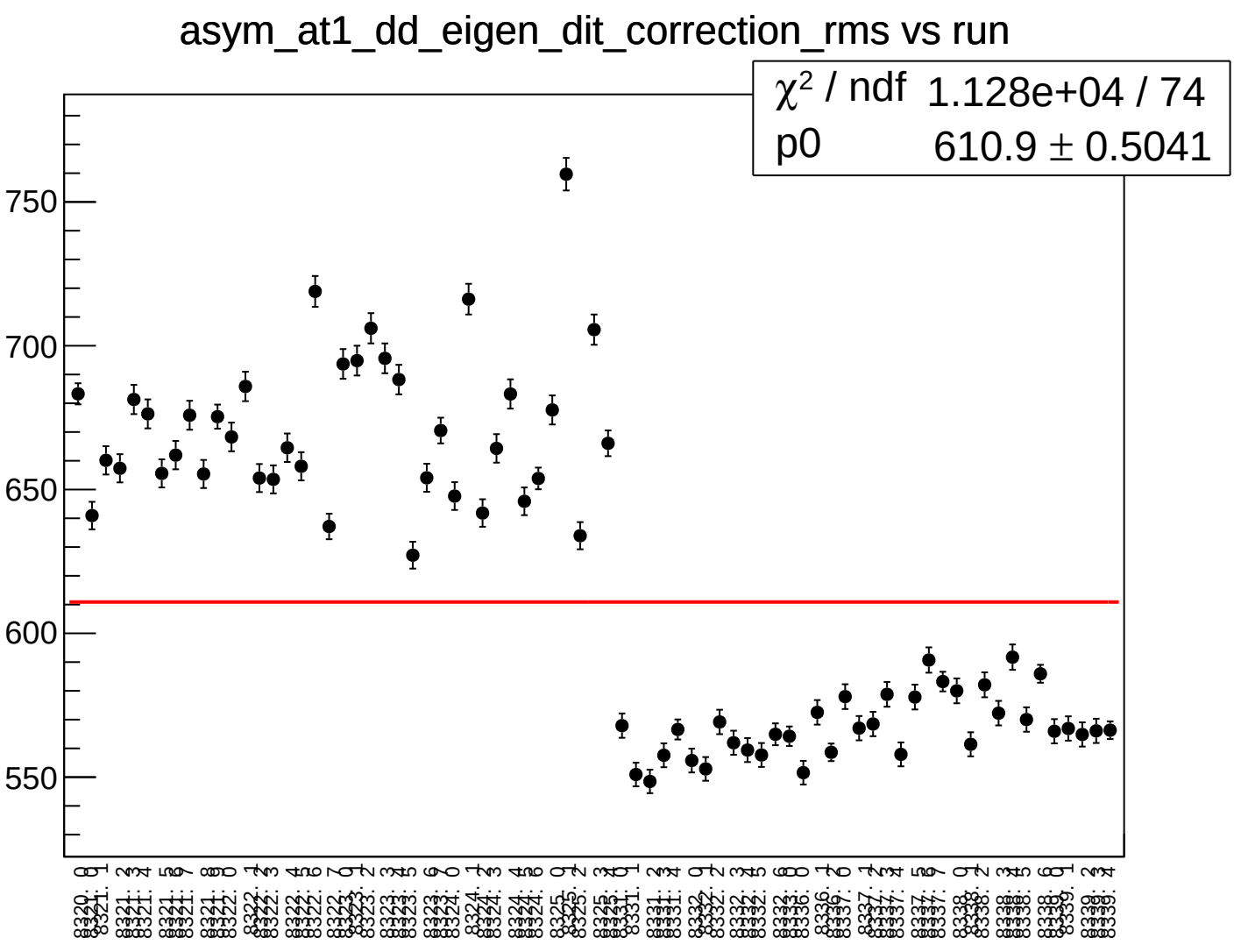

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 87.4 / 74
p0 −100.1± 2088
pull
Entries 75
Mean 126
Std Dev 0

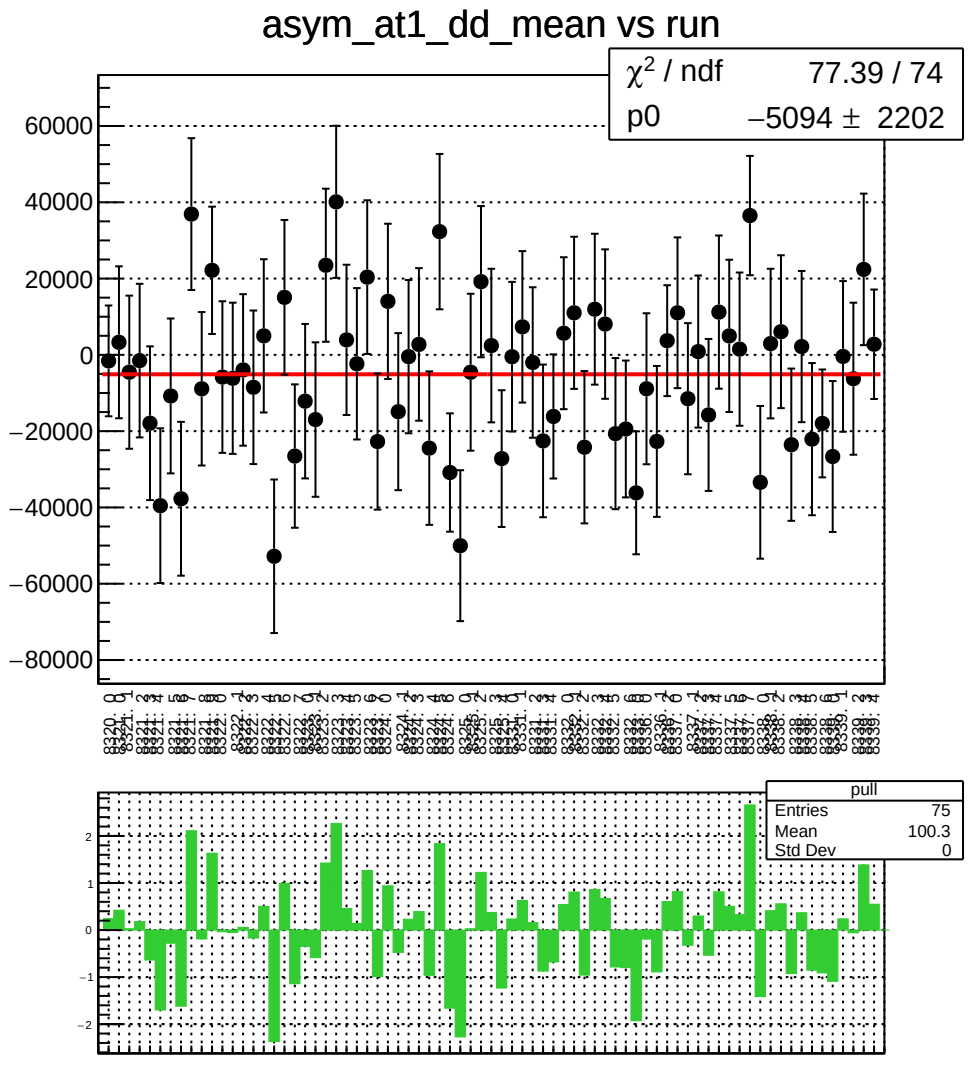

pull1D
Entries 75
Mean 0.004763
Std Dev 1.079

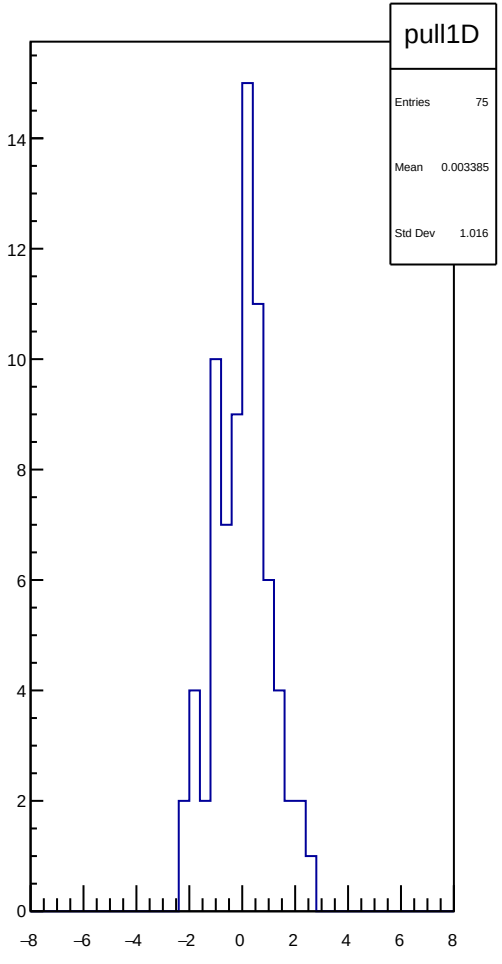

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 81 / 74
p0 1796 ± 1.476
1840
1820
1800
1780
1760

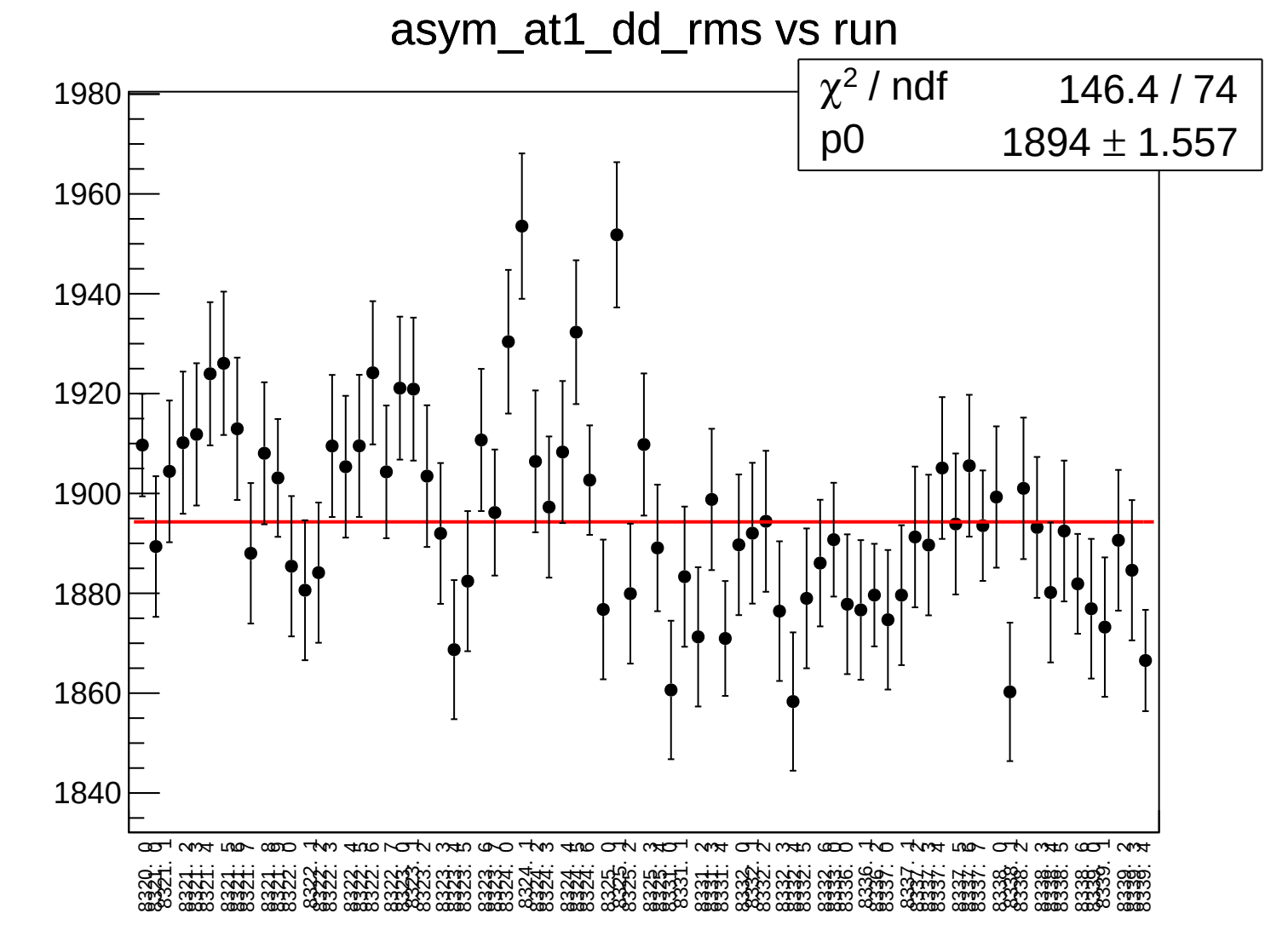

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.59 / 74
p0 4953 ± 712.8
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean 127.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

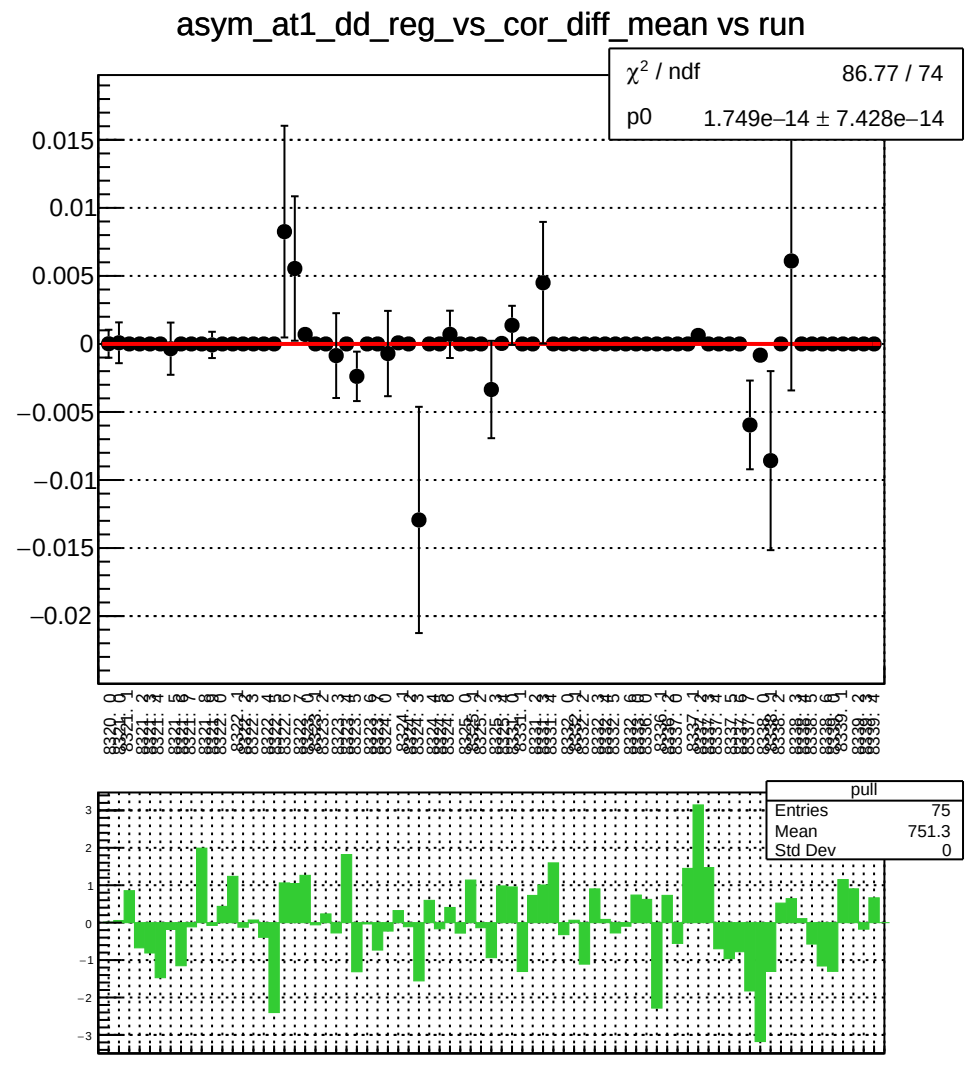

pull1D
Entries 75
Mean 0.006036
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

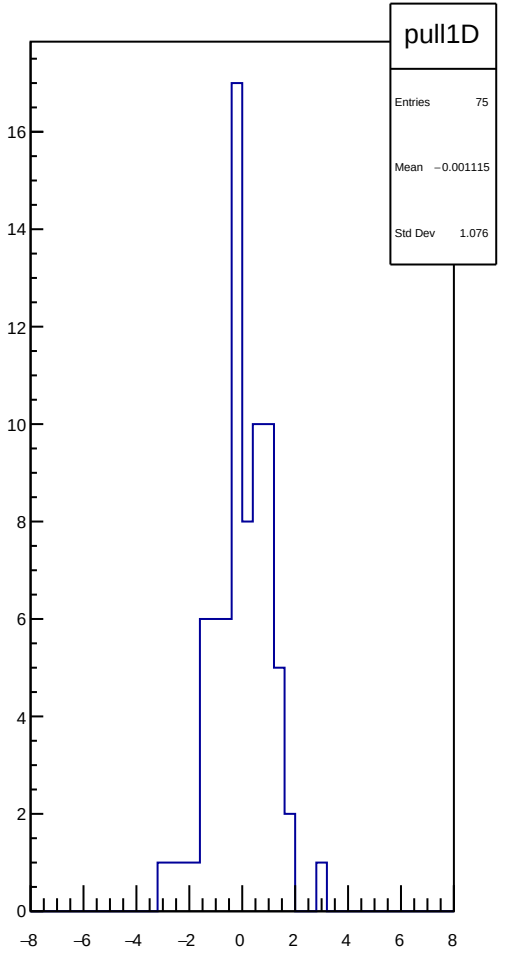

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.128e+04 / 74
p0 610.9 ± 0.5041
750
700
650
600
550

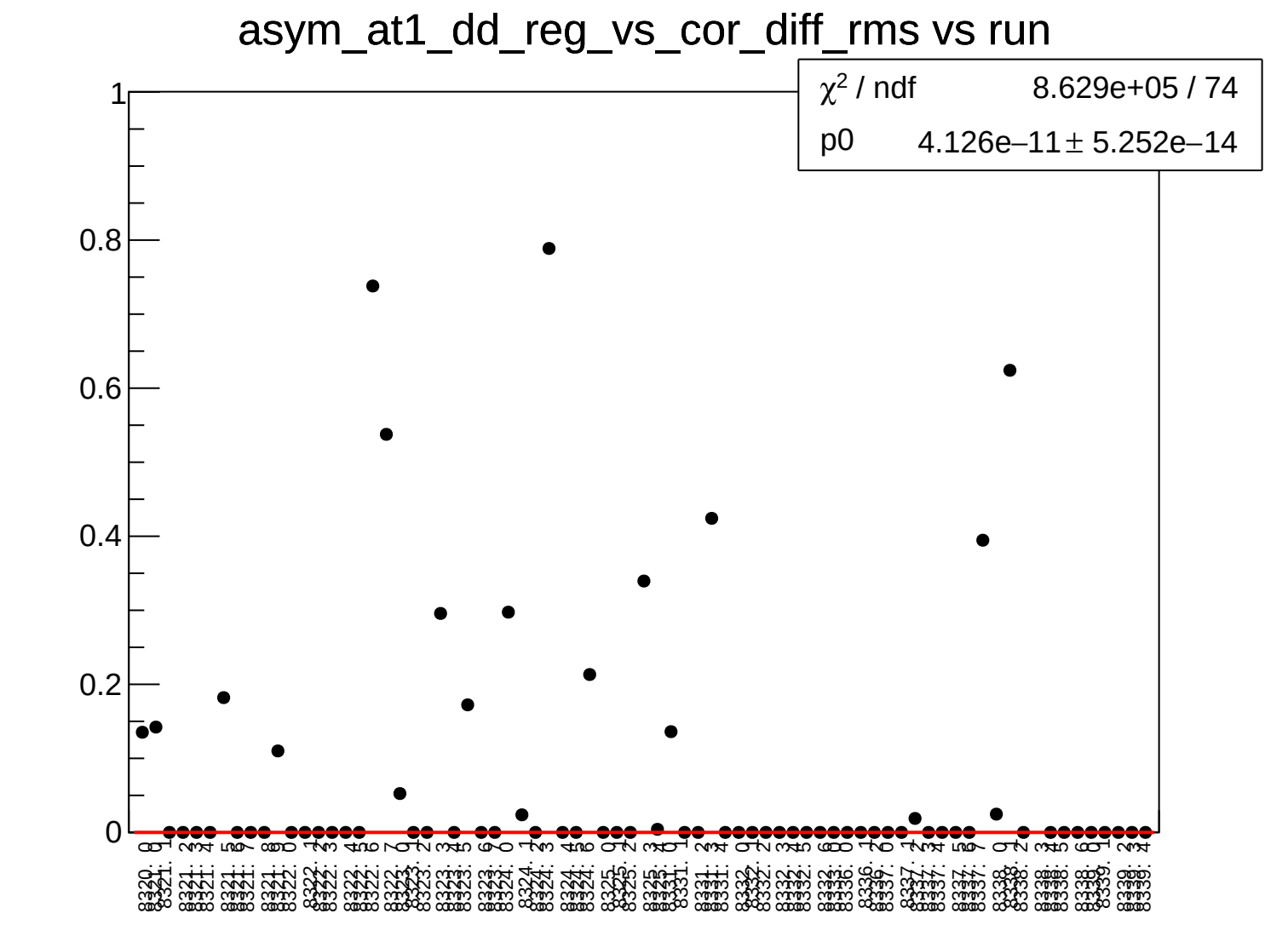

asym_at1_dd_mean vs run
χ² / ndf 77.39 / 74
p0 −5094 ± 2202
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean 100.3
Std Dev 0
2
1
0
−1
−2

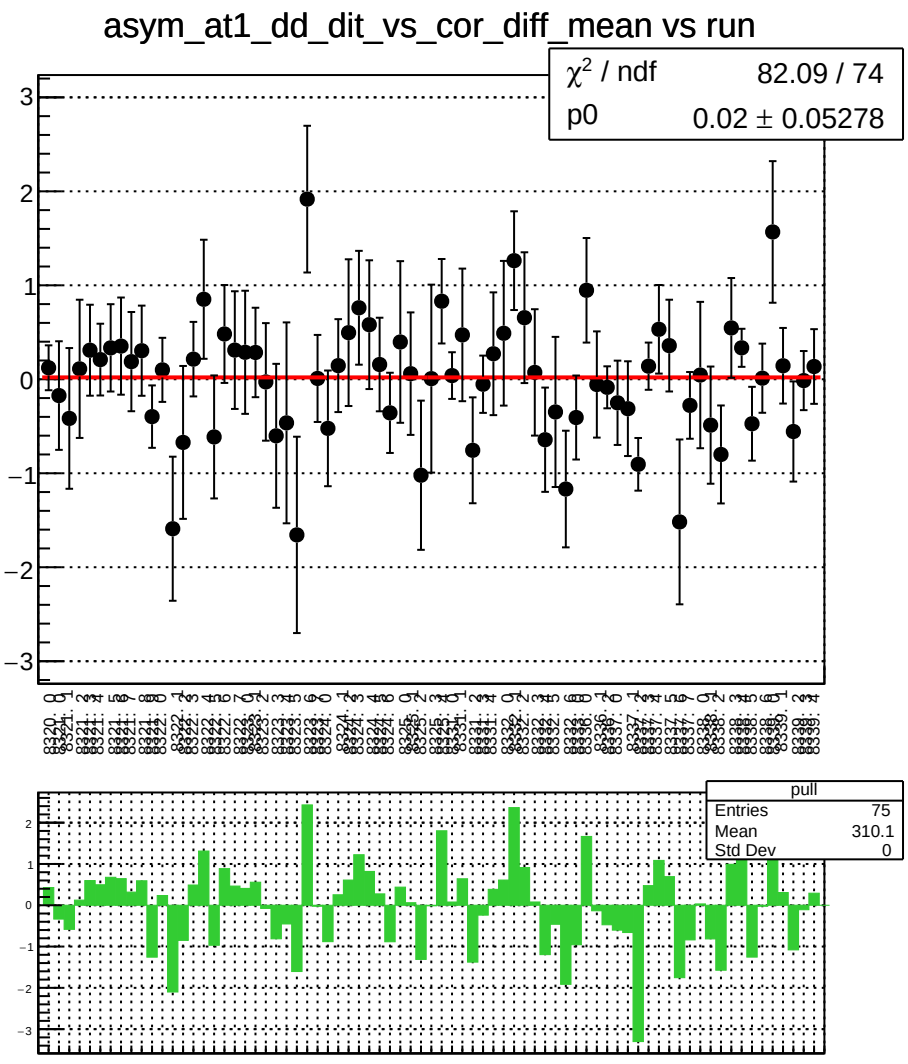

pull1D
Entries 75
Mean 0.003385
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

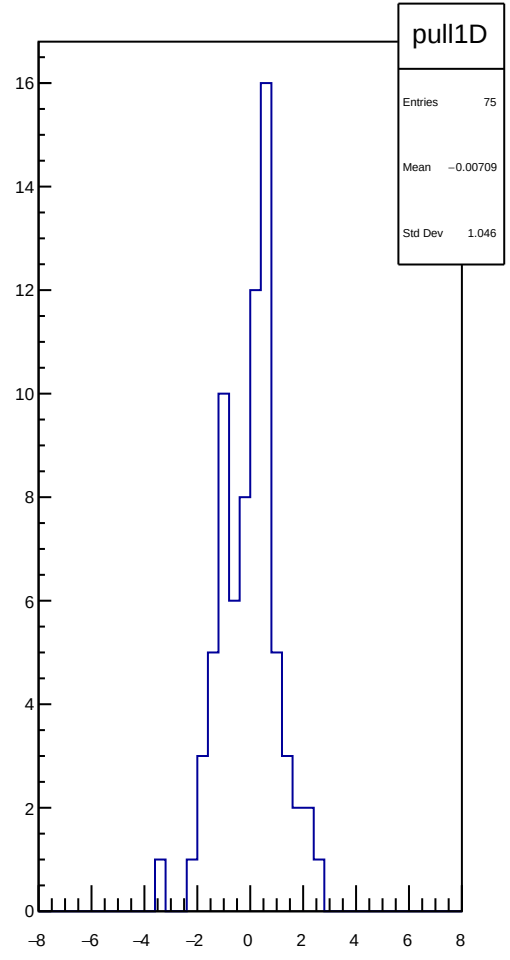

asym_at1_dd_rms vs run
χ^2 / ndf 146.4 / 74
p0 1894 ± 1.557
1980
1960
1940
1920
1900
1880
1860
1840

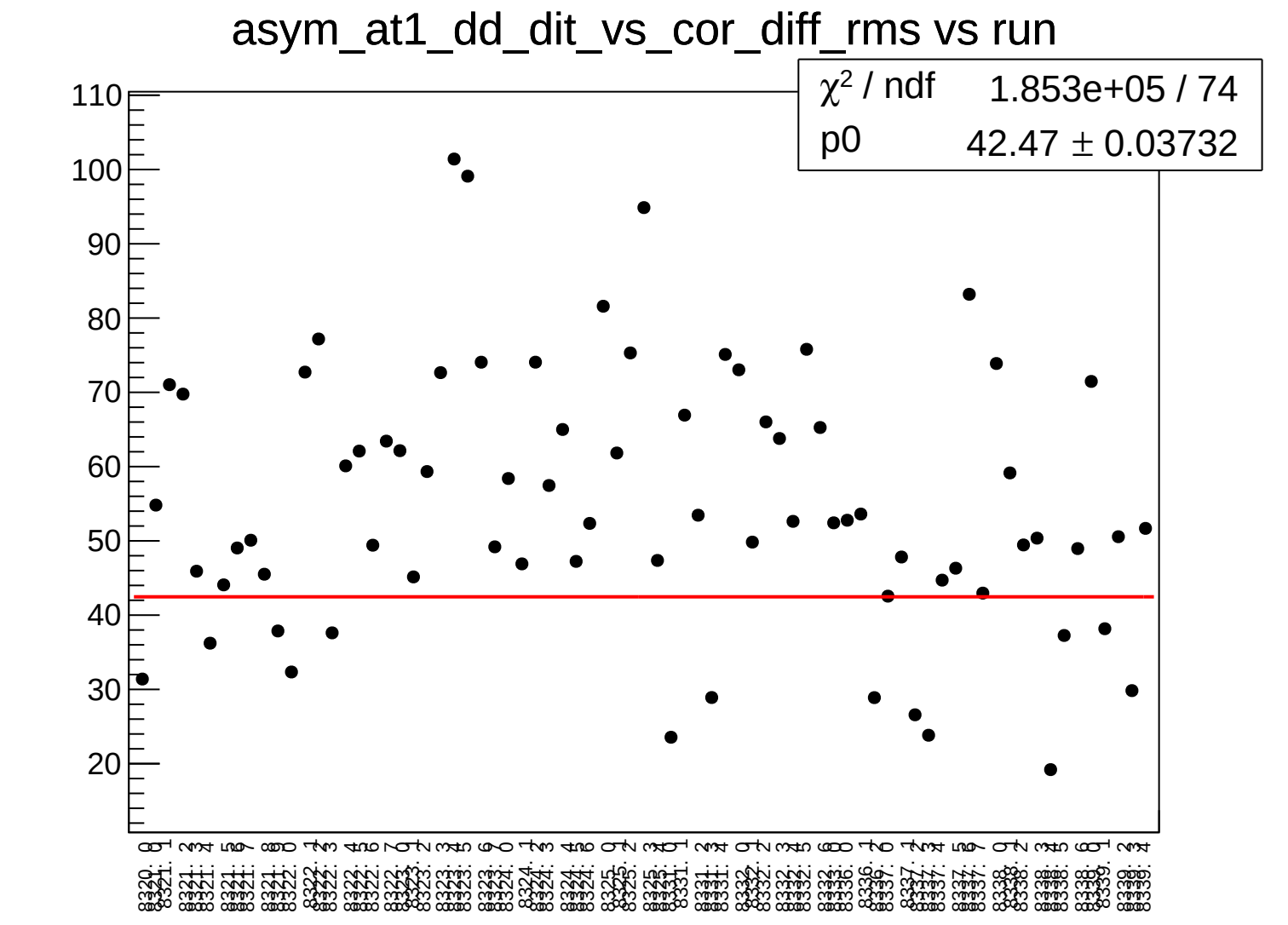

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 86.77 / 74
p0 1.749e−14 ± 7.428e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 75
Mean 751.3
Std Dev 0
3
2
1
0
−1
−2
−3

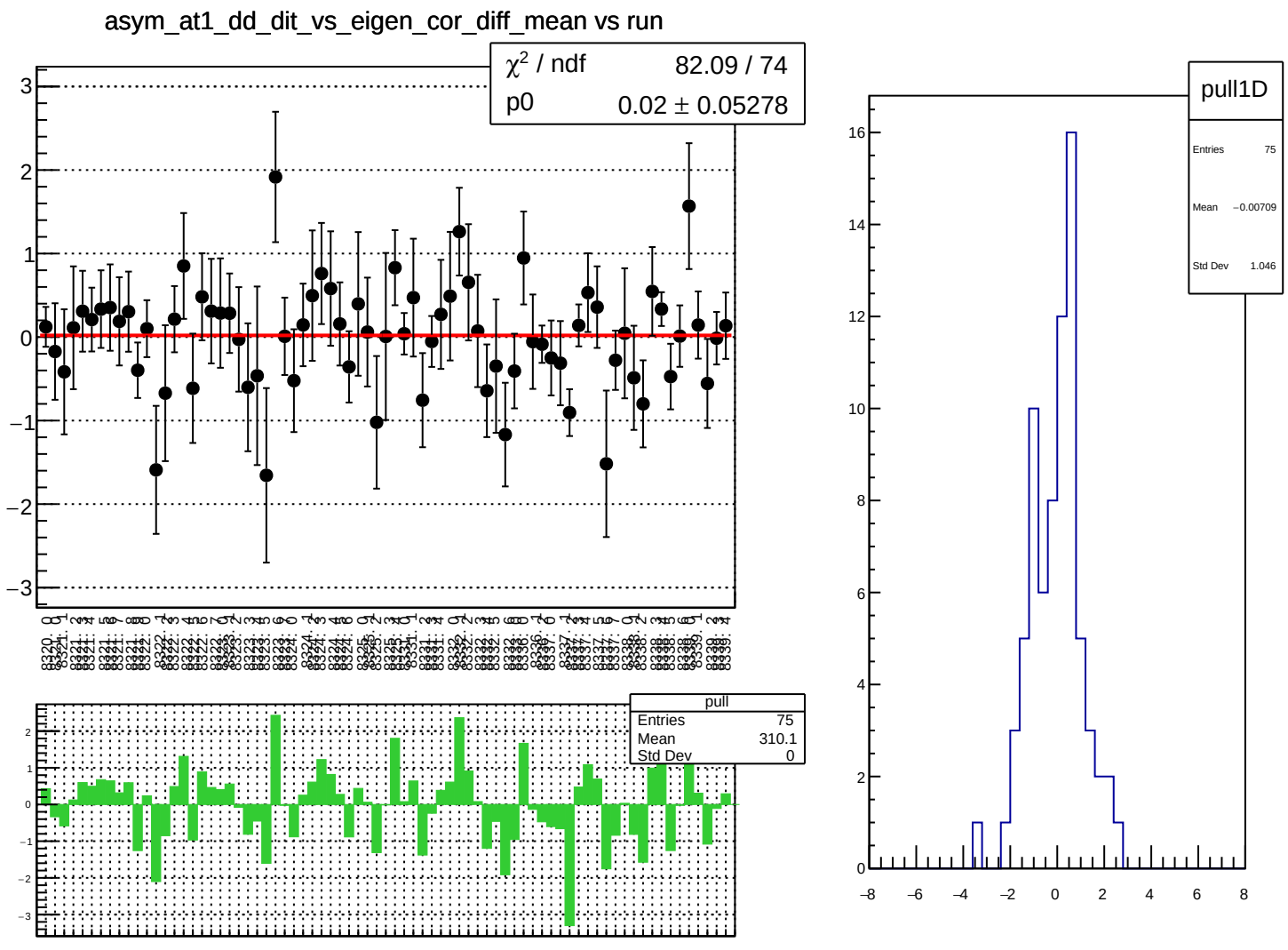

pull1D
Entries 75
Mean −0.001115
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

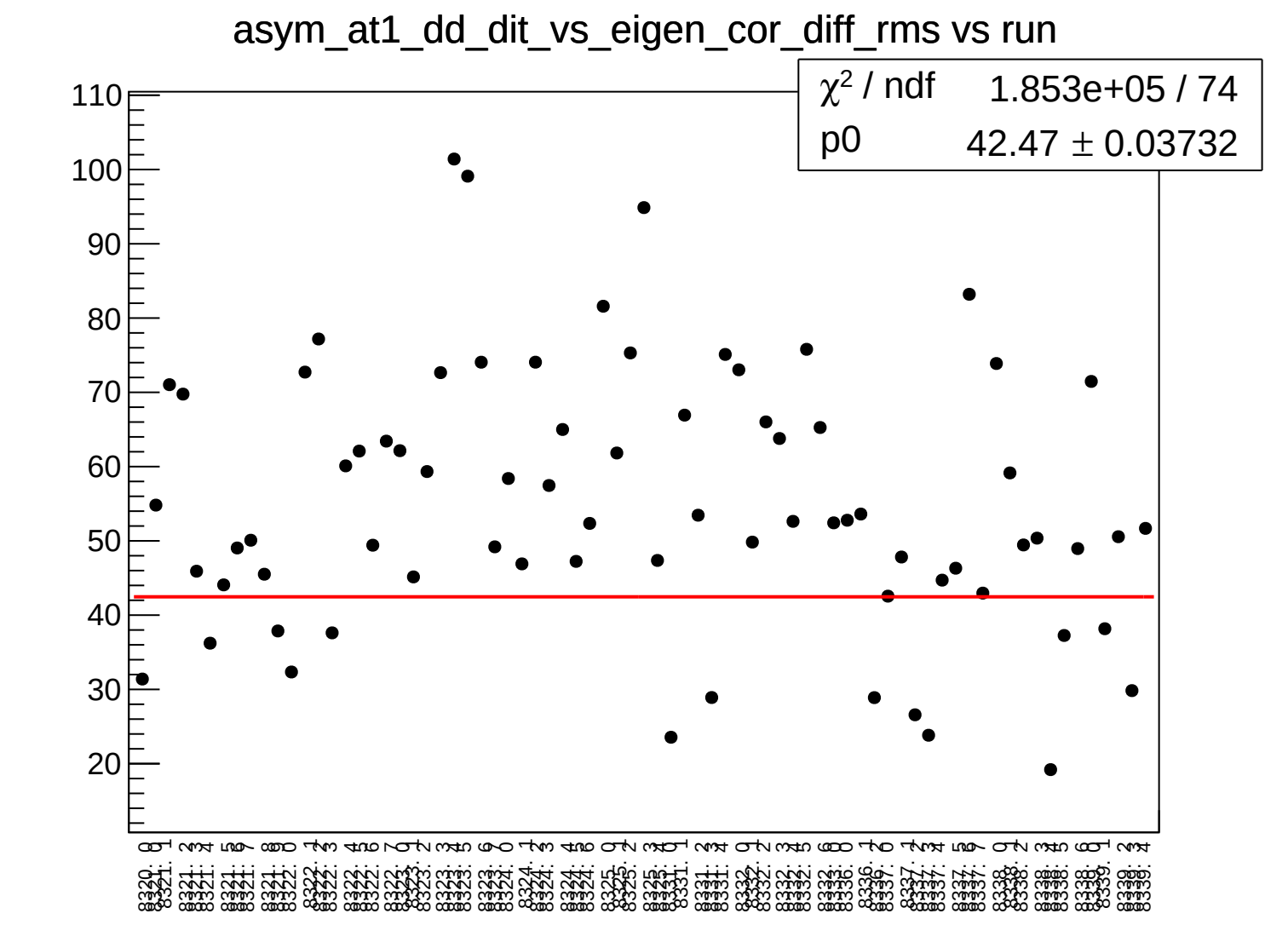

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.629e+05 / 74
p0 4.126e−11 ± 5.252e−14
1
0.8
0.6
0.4
0.2
0

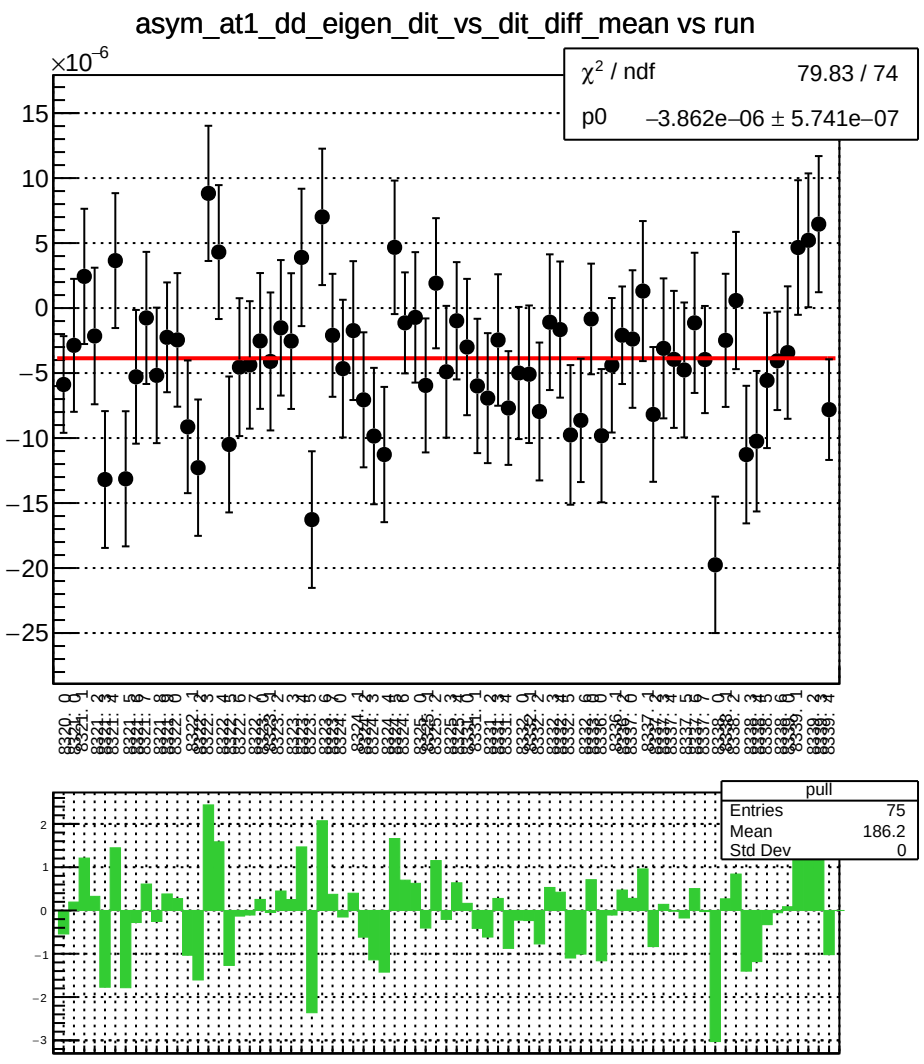

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.09 / 74
p0 0.02 ± 0.05278
pull
Entries 75
Mean 310.1
Std Dev 0

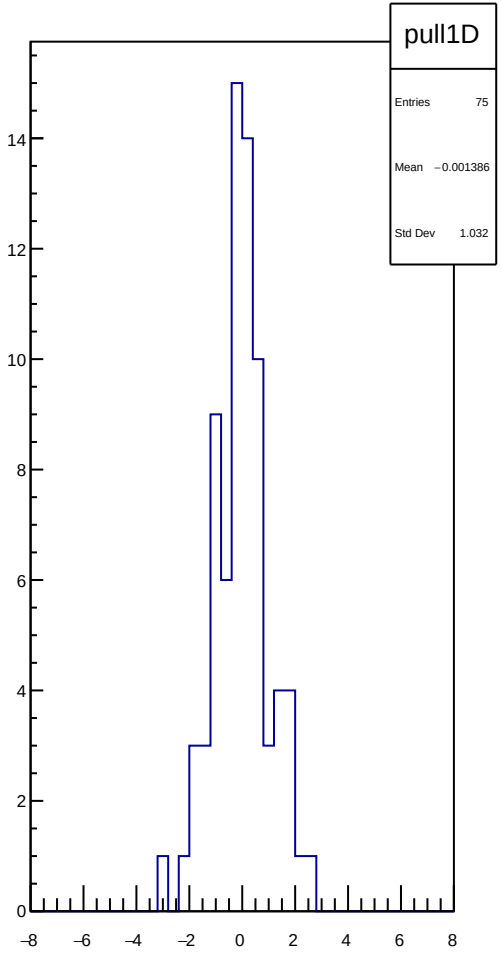

pull1D
Entries 75
Mean −0.00709
Std Dev 1.046

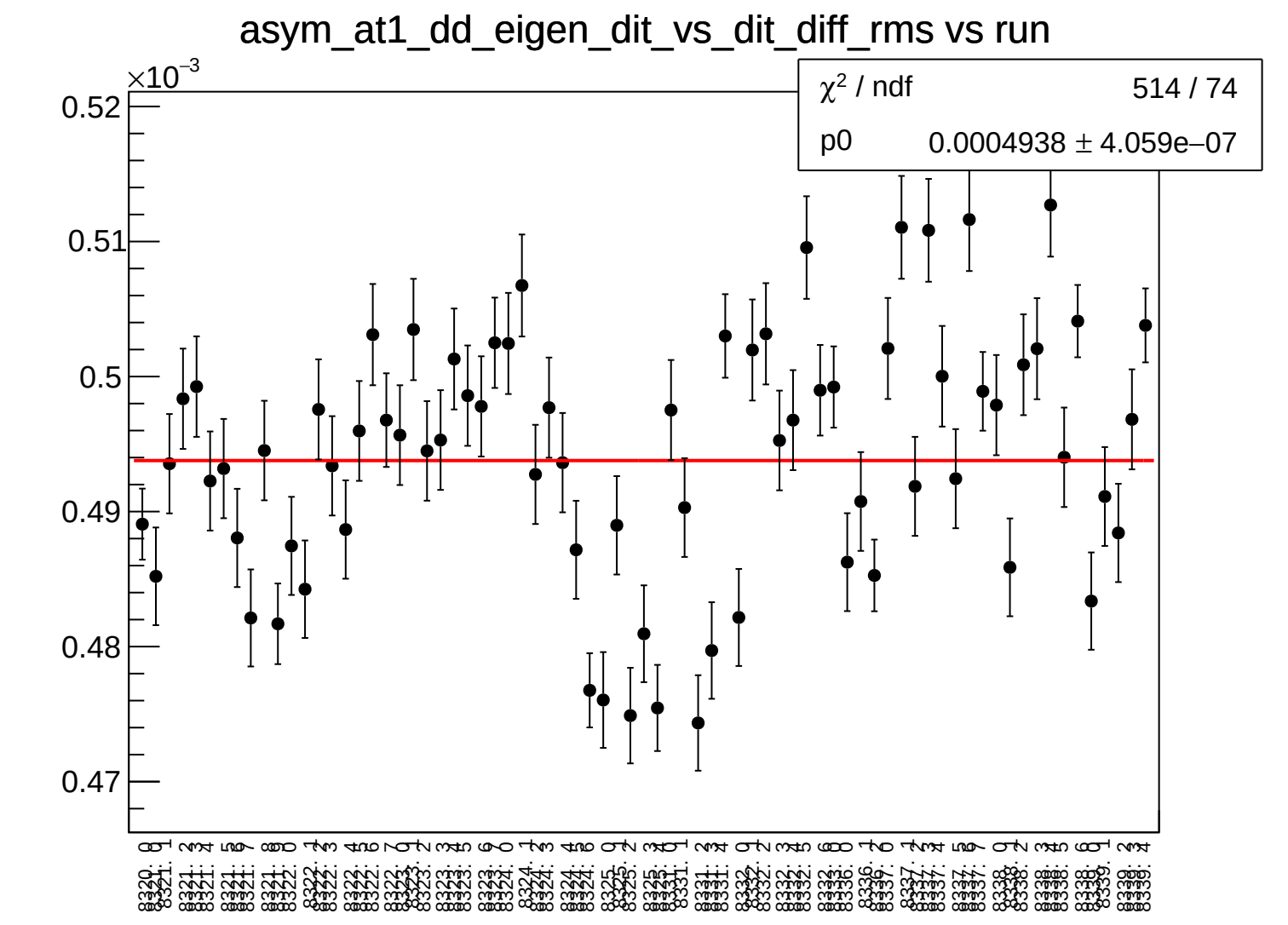

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.853e+05 / 74
p0 42.47 ± 0.03732
110
100
90
80
70
60
50
40
30
20

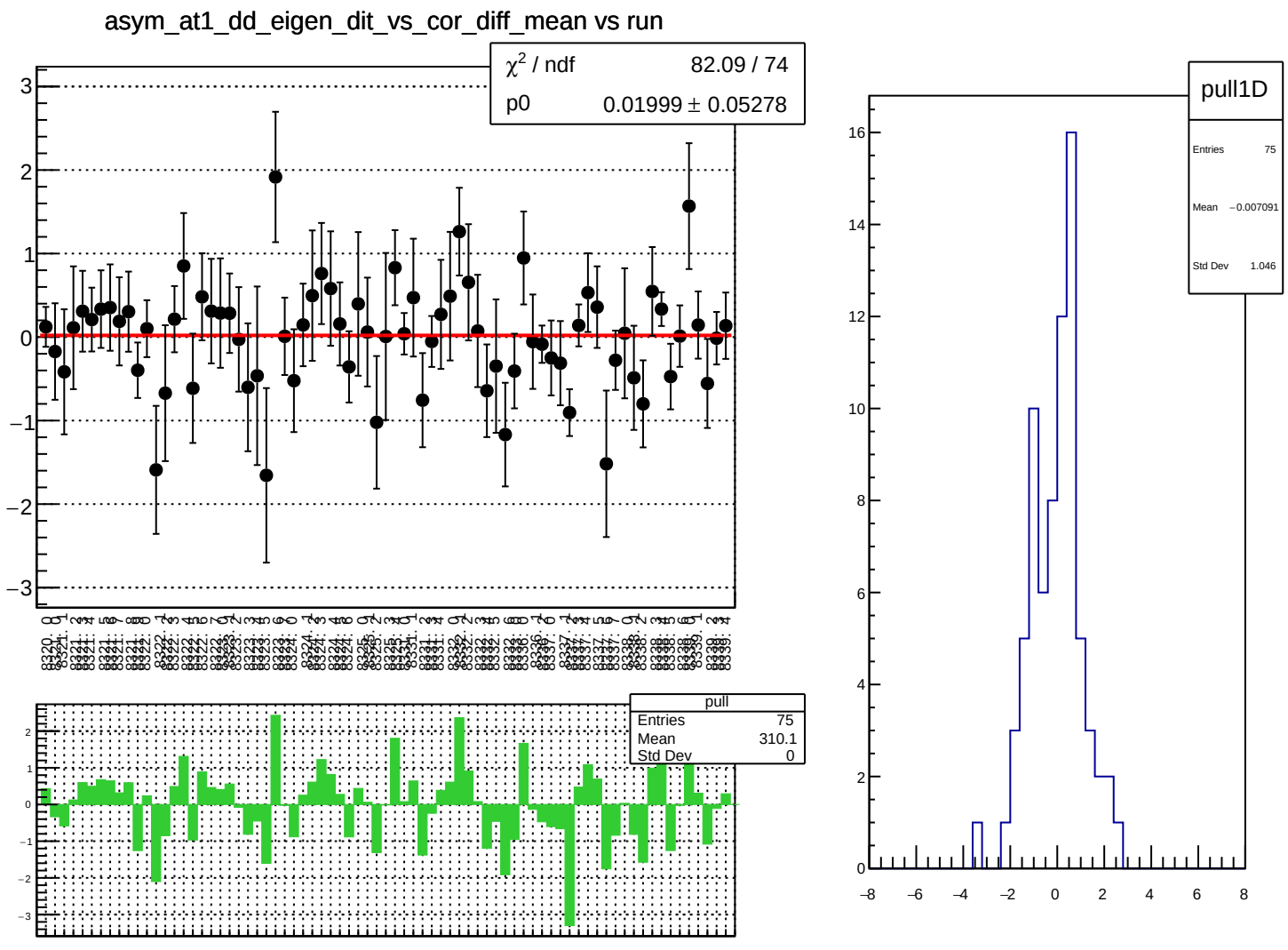

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.09 / 74
p0 0.02 ± 0.05278
pull
Entries 75
Mean 310.1
Std Dev 0
pull1D
Entries 75
Mean −0.00709
Std Dev 1.046

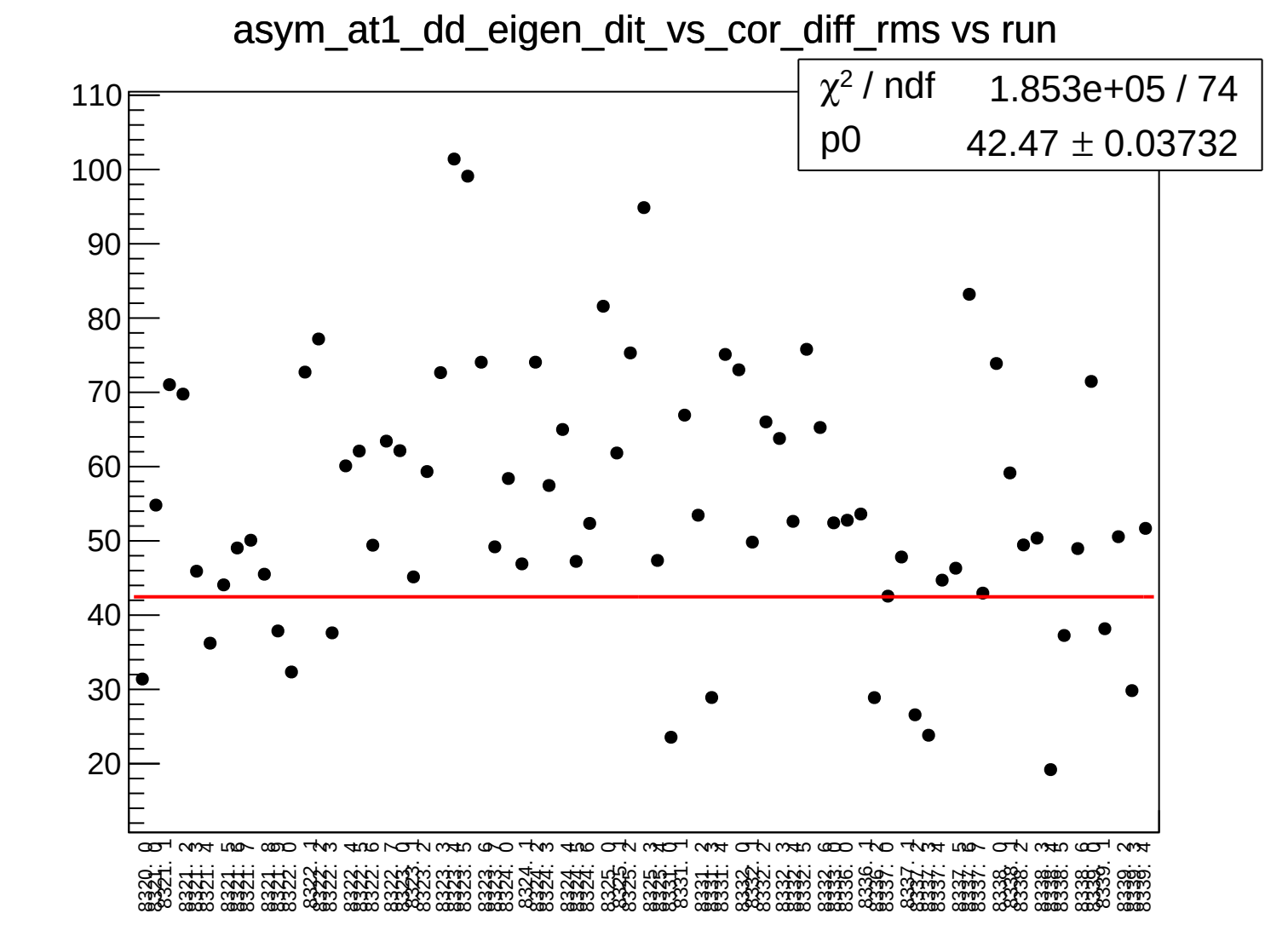

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.853e+05 / 74
p0 42.47 ± 0.03732
110
100
90
80
70
60
50
40
30
20

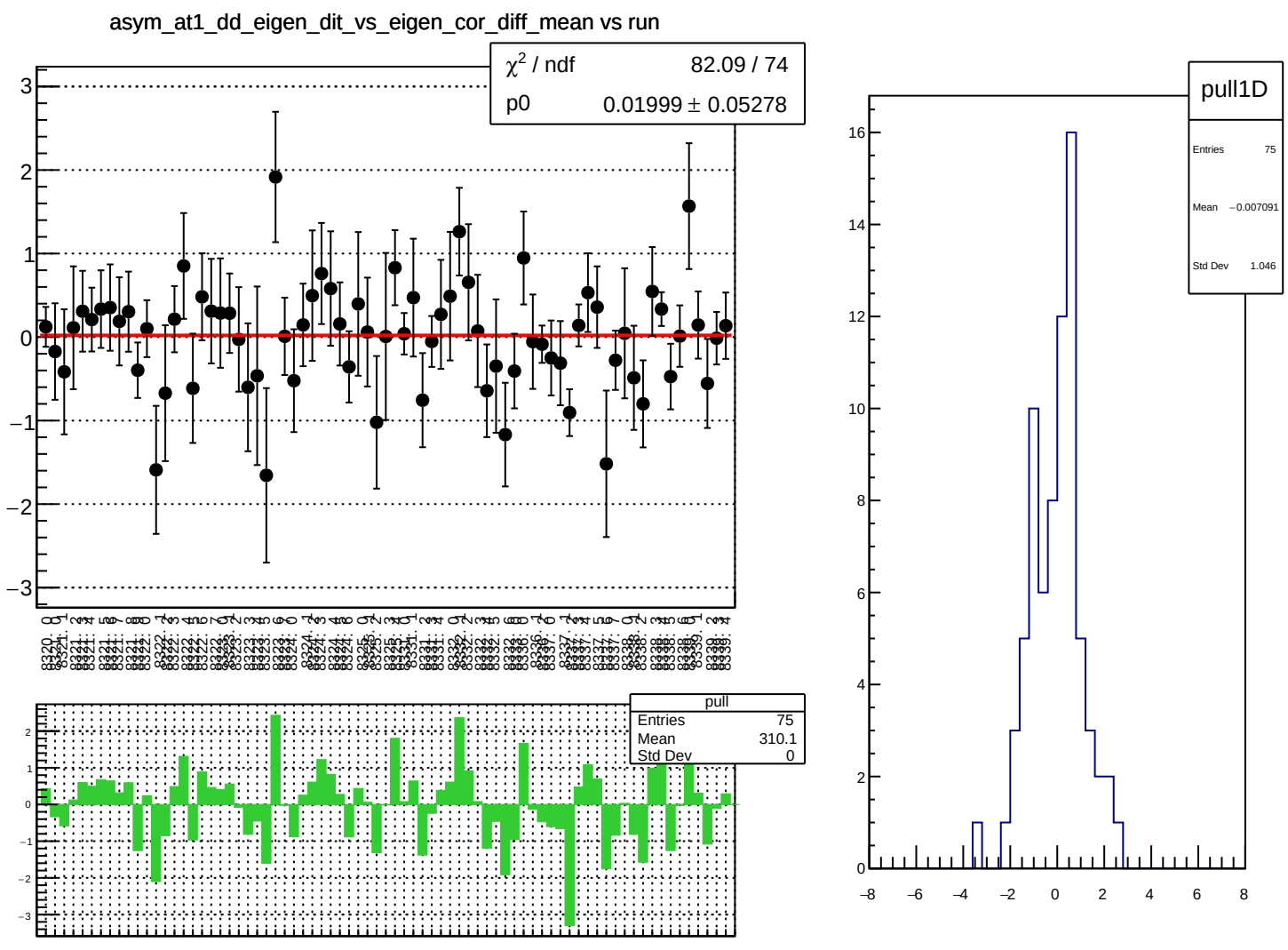

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 79.83 / 74
p0 −3.862e−06 ± 5.741e−07
×10⁻⁶
pull
Entries 75
Mean 186.2
Std Dev 0

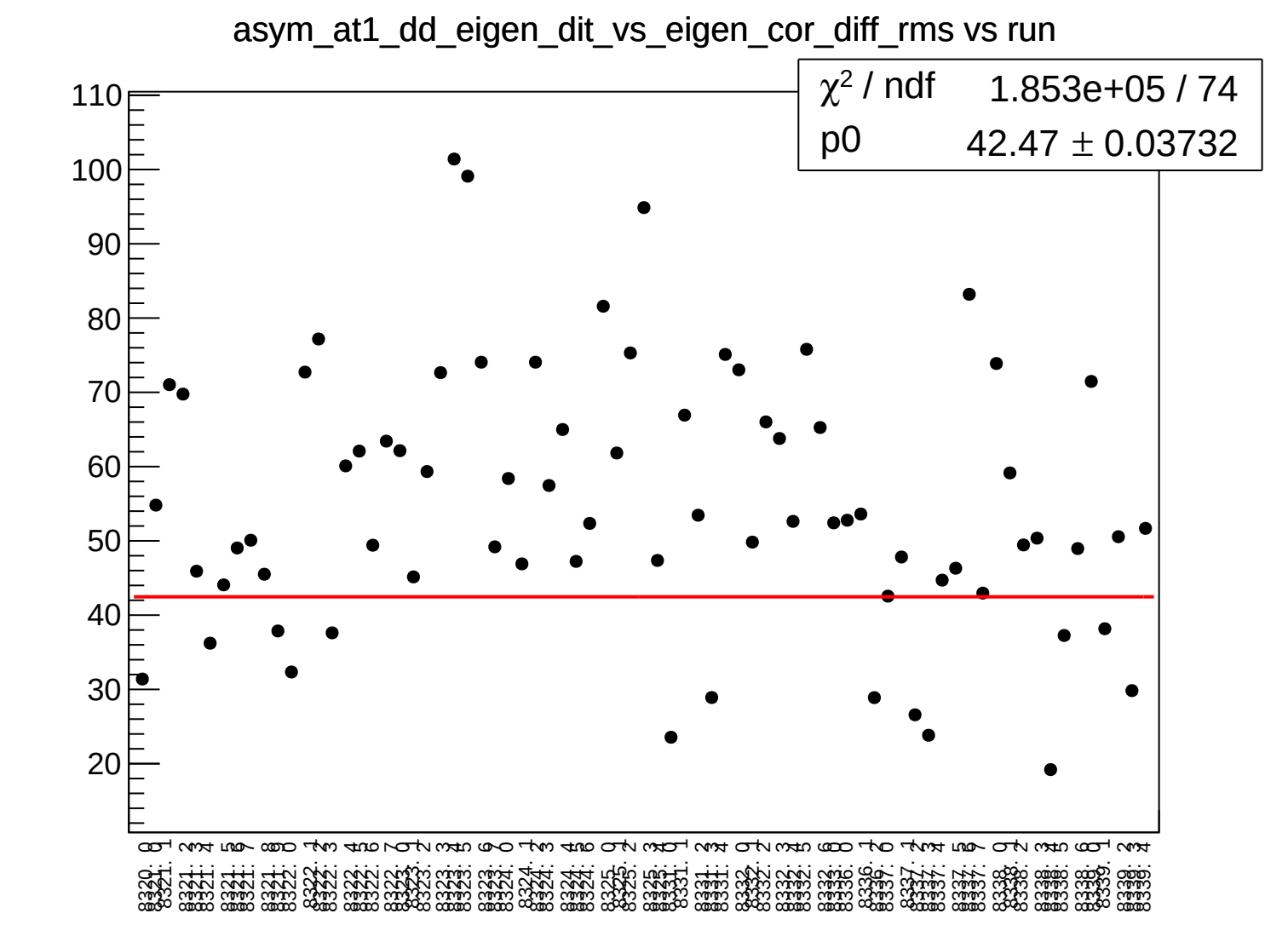

pull1D
Entries 75
Mean −0.001386
Std Dev 1.032

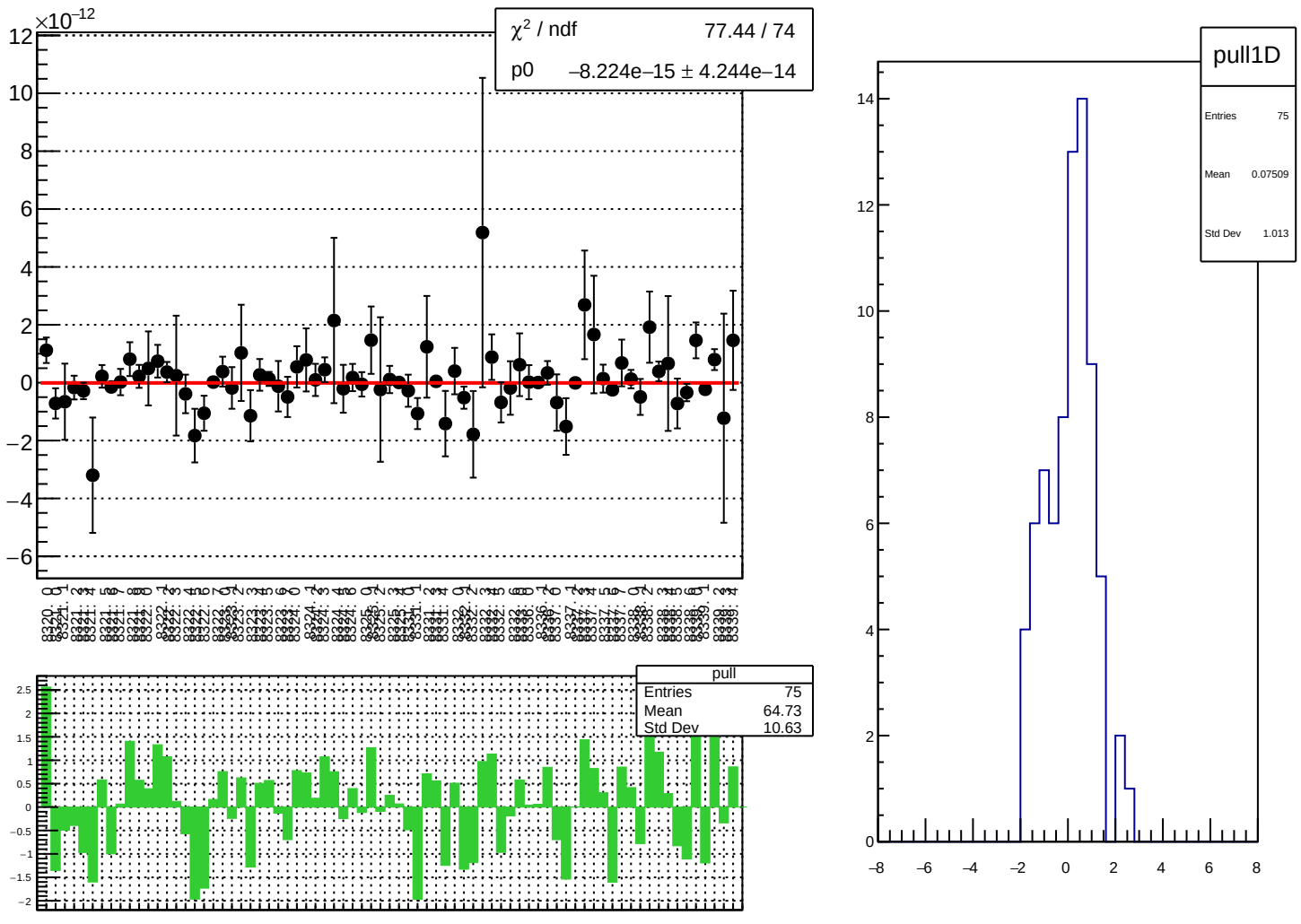

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 514 / 74
p0 0.0004938 ± 4.059e−07
0.52
0.51
0.5
0.49
0.48
0.47

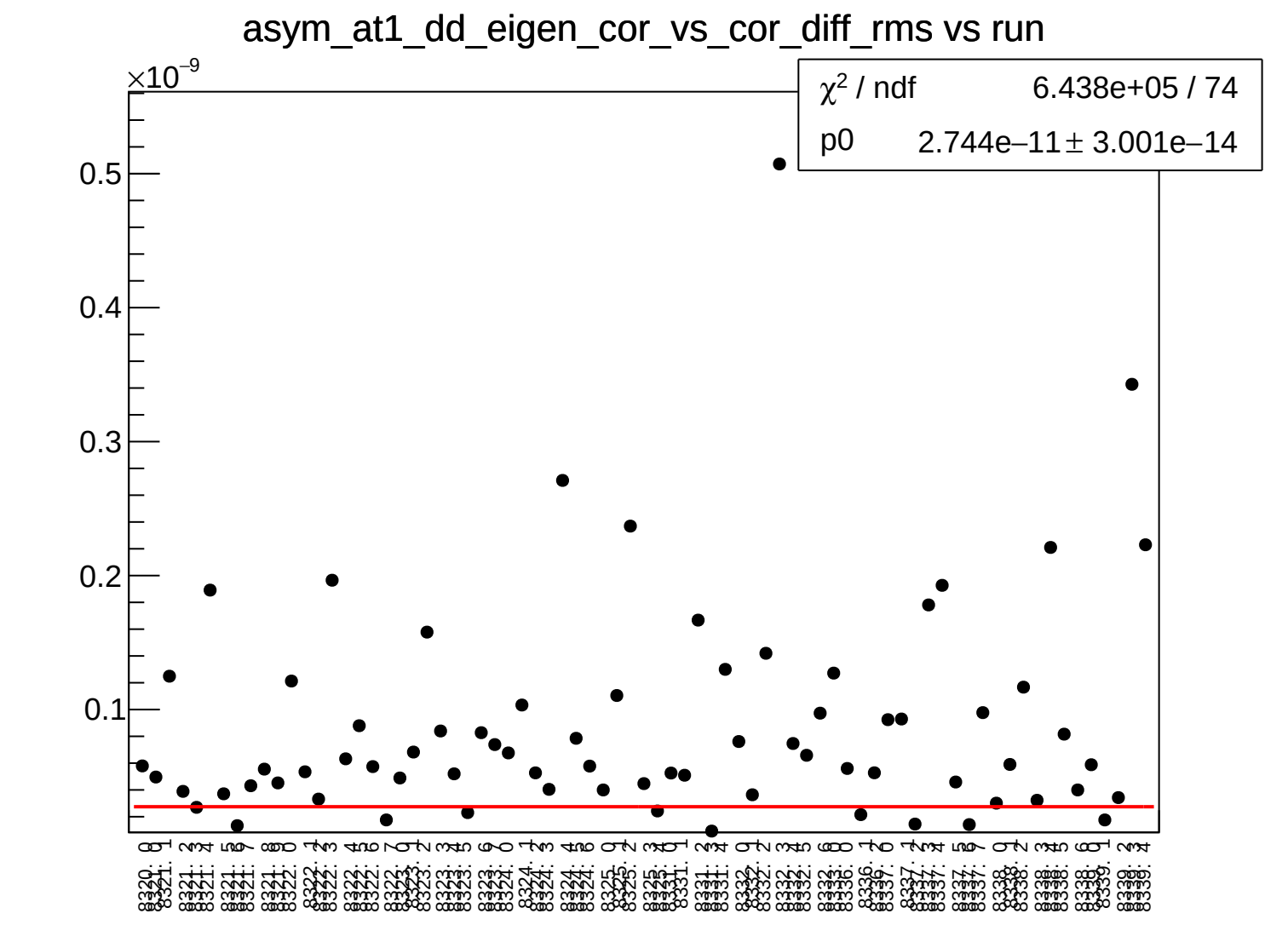

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.09 / 74
p0 0.01999 ± 0.05278
pull
Entries 75
Mean 310.1
Std Dev 0
pull1D
Entries 75
Mean −0.007091
Std Dev 1.046

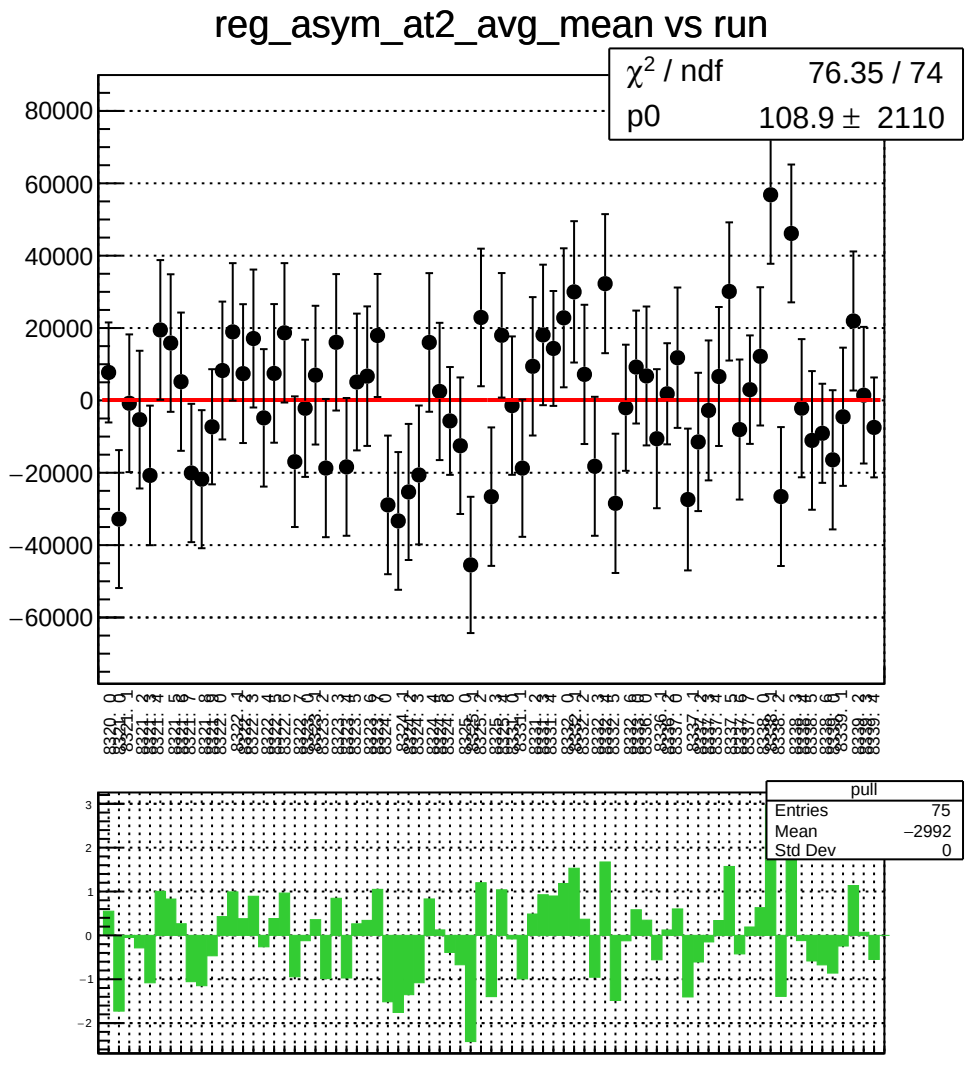

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.853e+05 / 74
p0 42.47 ± 0.03732
110
100
90
80
70
60
50
40
30
20

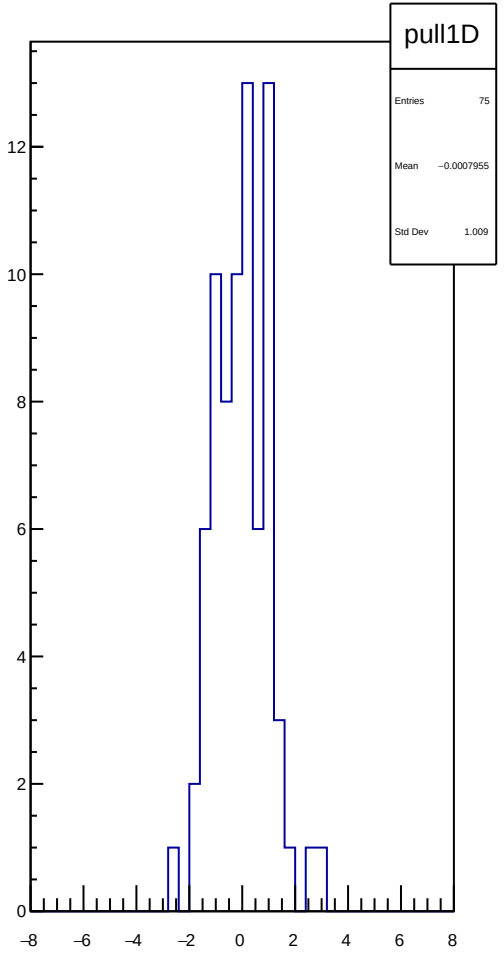

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.09 / 74
p0 0.01999 ± 0.05278
pull
Entries 75
Mean 310.1
Std Dev 0
pull1D
Entries 75
Mean −0.007091
Std Dev 1.046

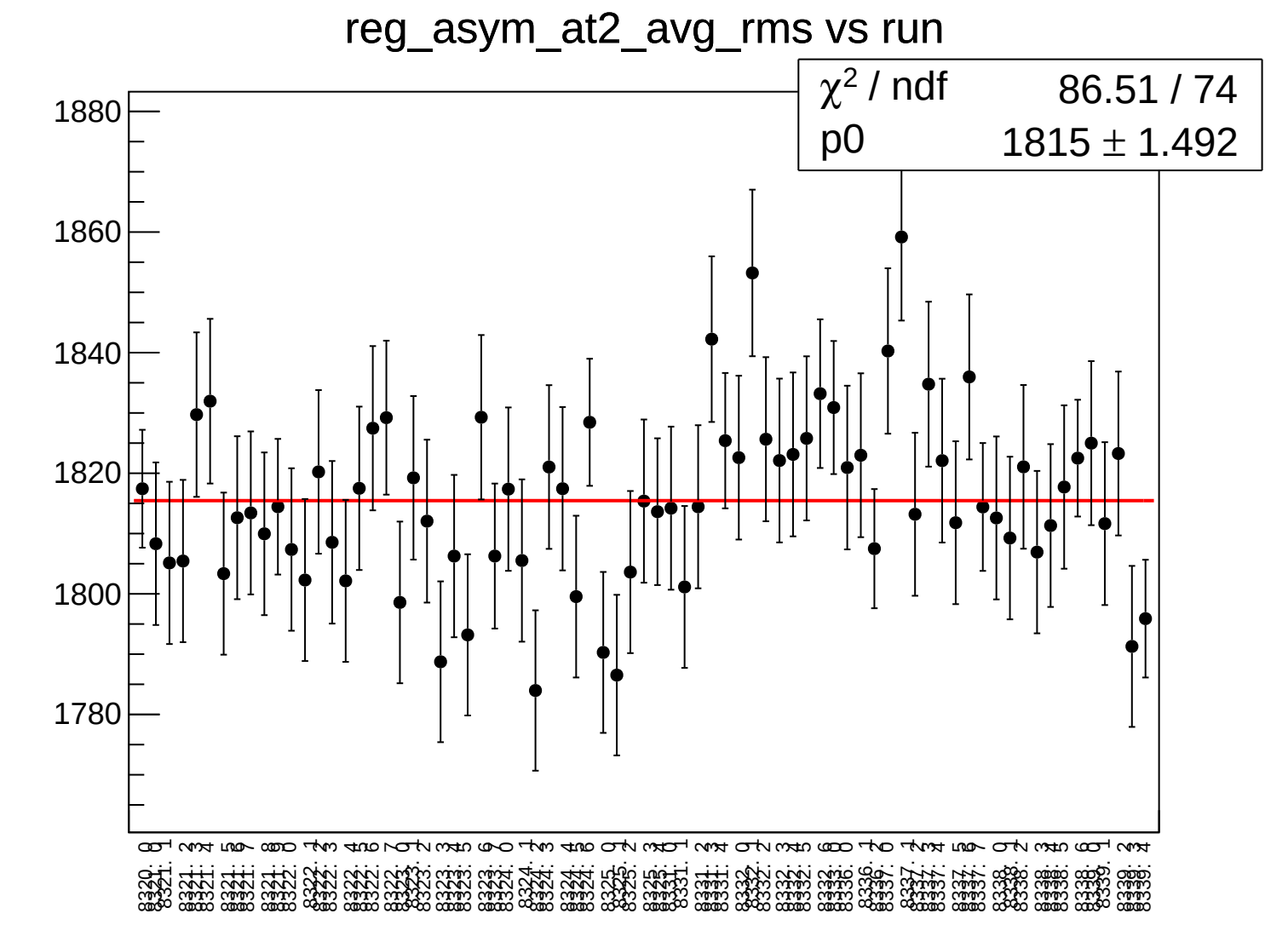

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.853e+05 / 74
p0 42.47 ± 0.03732
110
100
90
80
70
60
50
40
30
20

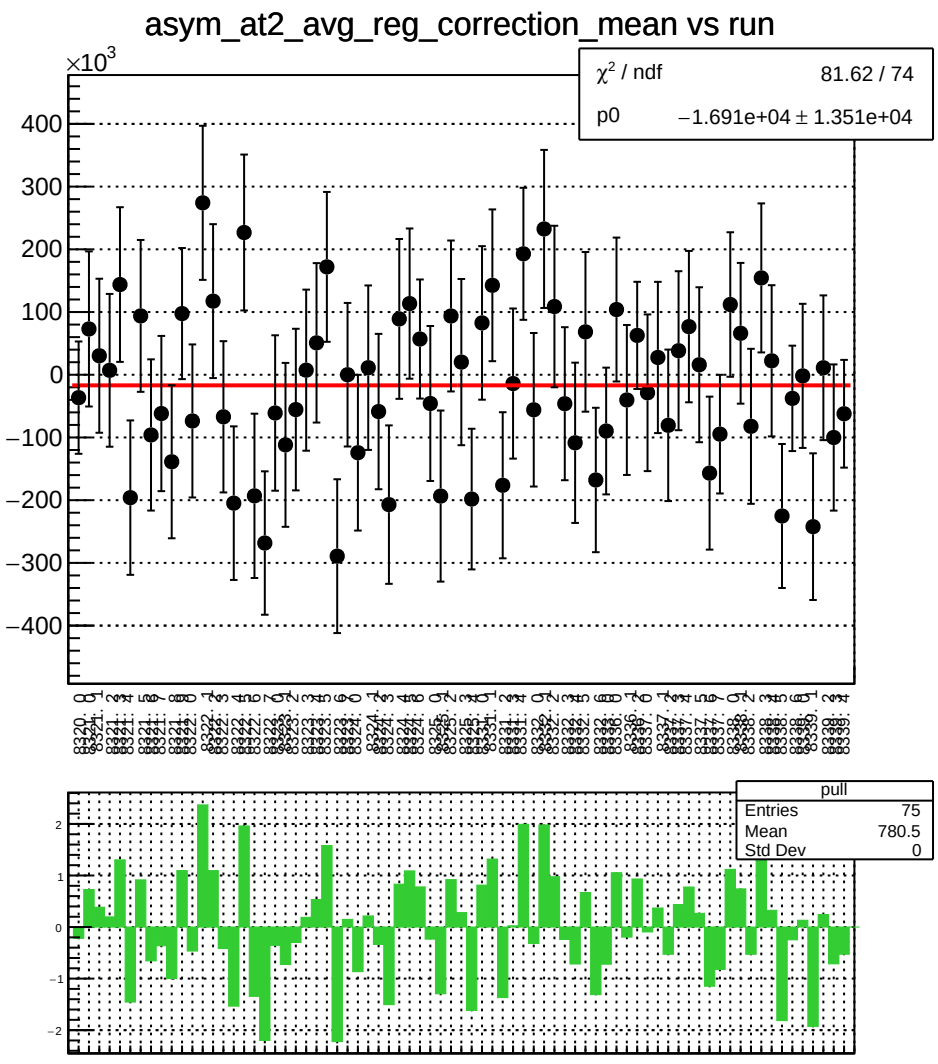

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
χ² / ndf 77.44 / 74
p0 −8.224e−15 ± 4.244e−14
pull
Entries 75
Mean 64.73
Std Dev 10.63
pull1D
Entries 75
Mean 0.07509
Std Dev 1.013

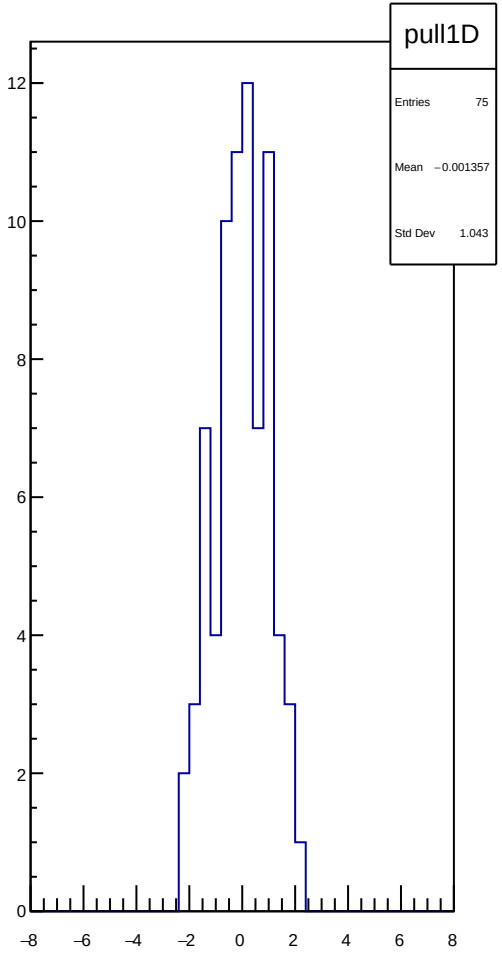

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.438e+05 / 74
p0 2.744e−11 ± 3.001e−14
0.5
0.4
0.3
0.2
0.1

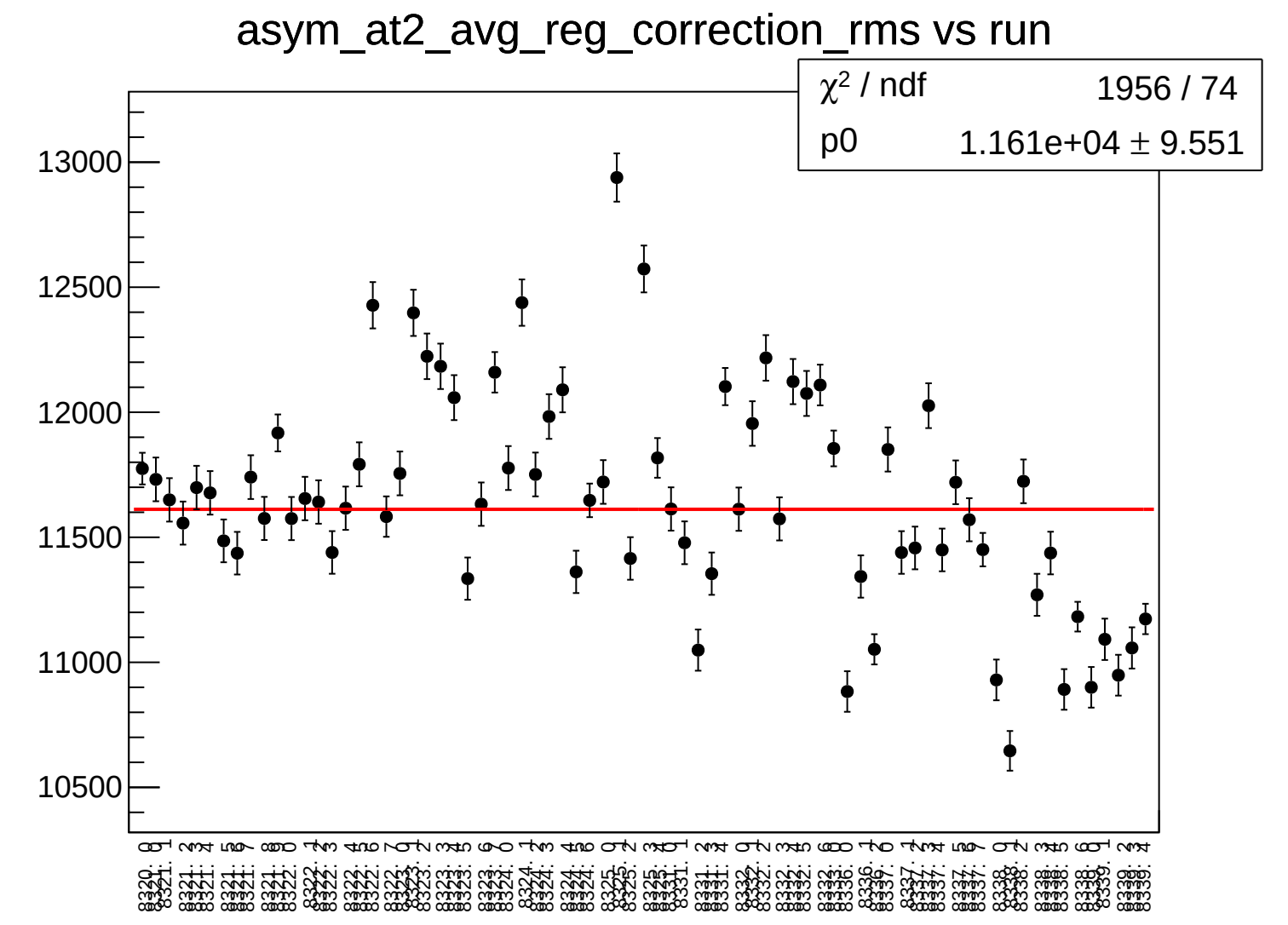

reg_asym_at2_avg_mean vs run
χ² / ndf 76.35 / 74
p0 108.9 ± 2110
pull
Entries 75
Mean −2992
Std Dev 0

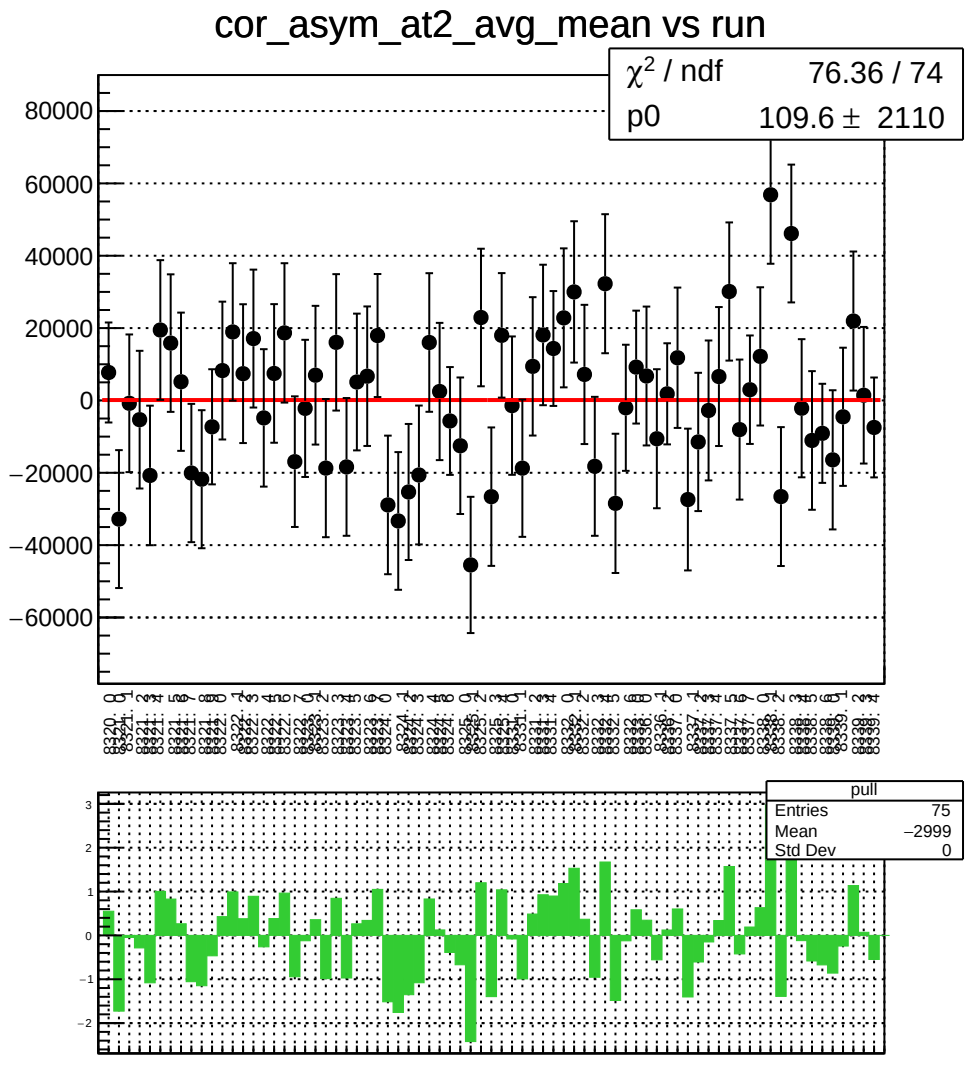

pull1D
Entries 75
Mean −0.0007955
Std Dev 1.009

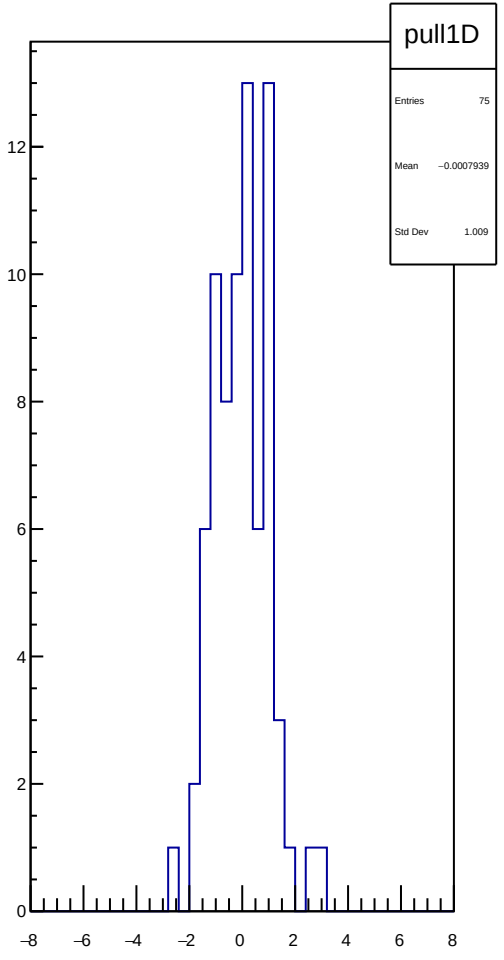

reg_asym_at2_avg_rms vs run
χ^2 / ndf 86.51 / 74
p0 1815 ± 1.492
1880
1860
1840
1820
1800
1780

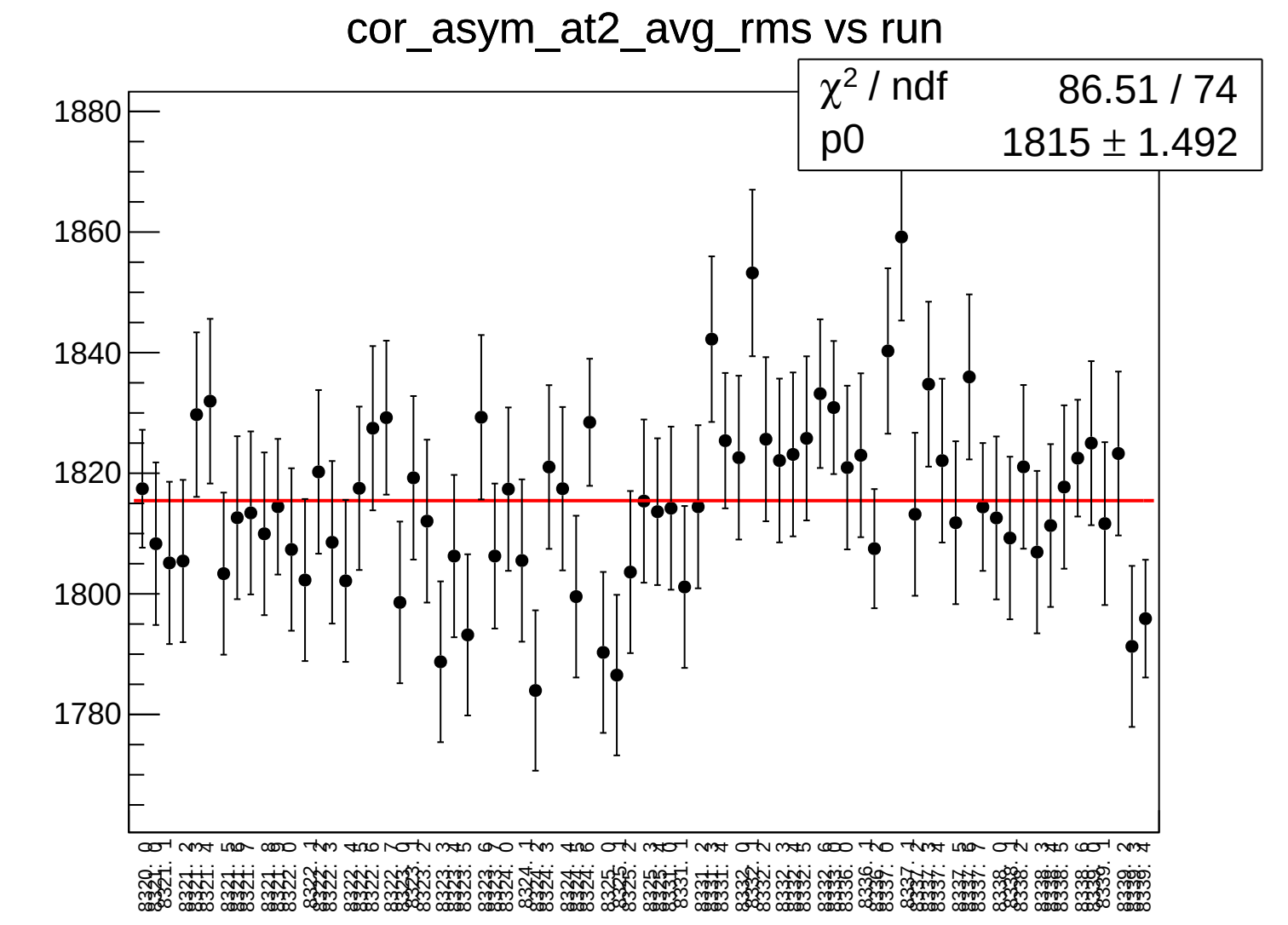

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.62 / 74
p0 −1.691e+04 ± 1.351e+04
pull
Entries 75
Mean 780.5
Std Dev 0

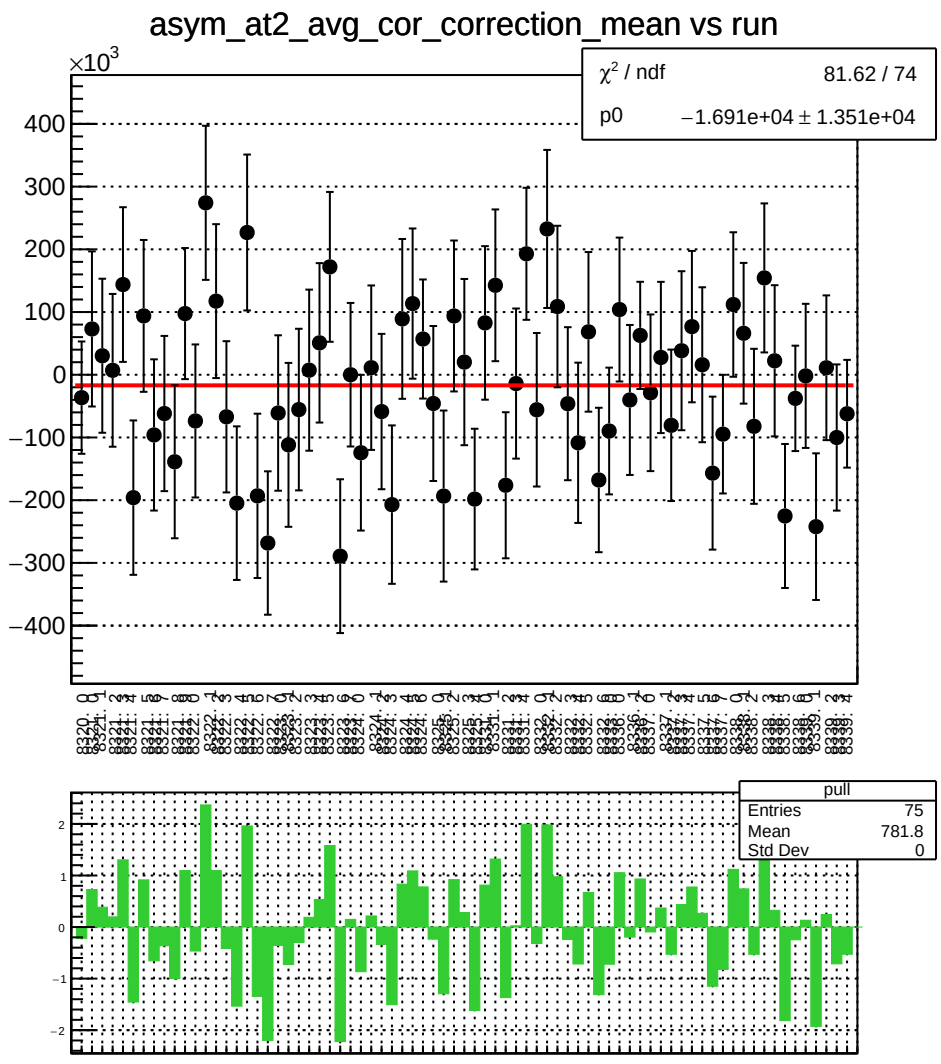

pull1D
Entries 75
Mean −0.001357
Std Dev 1.043

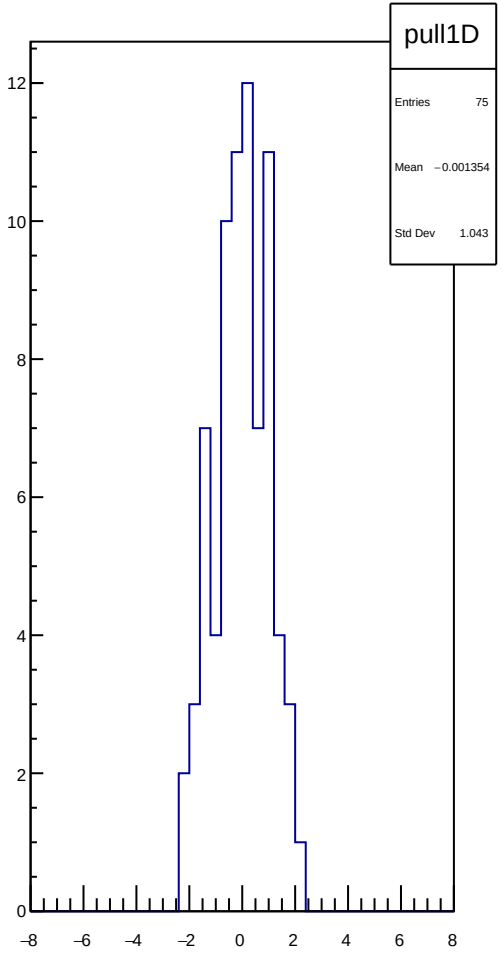

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1956 / 74
p0 1.161e+04 ± 9.551
13000
12500
12000
11500
11000
10500

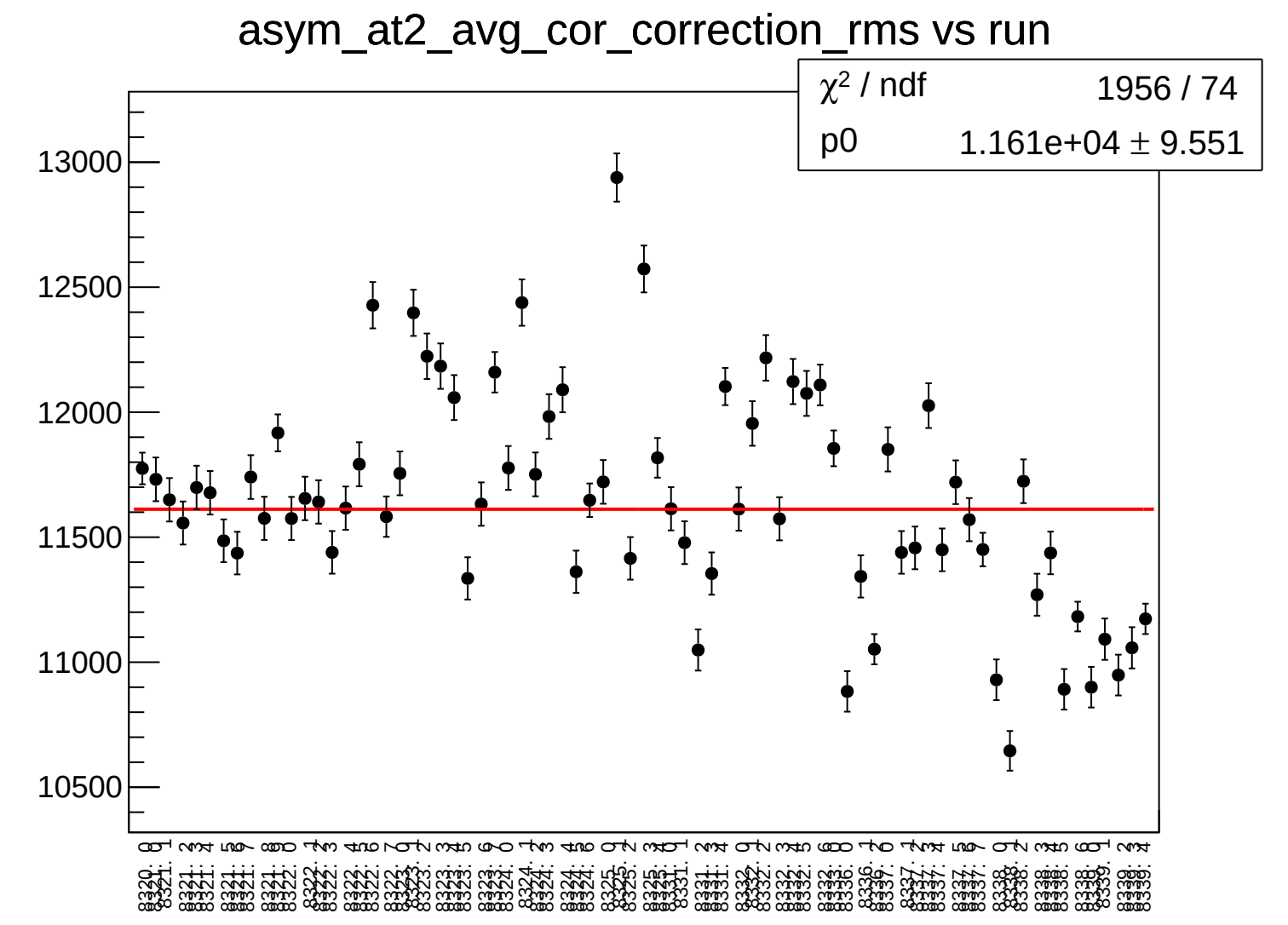

cor_asym_at2_avg_mean vs run
χ² / ndf 76.36 / 74
p0 109.6 ± 2110
pull
Entries 75
Mean −2999
Std Dev 0

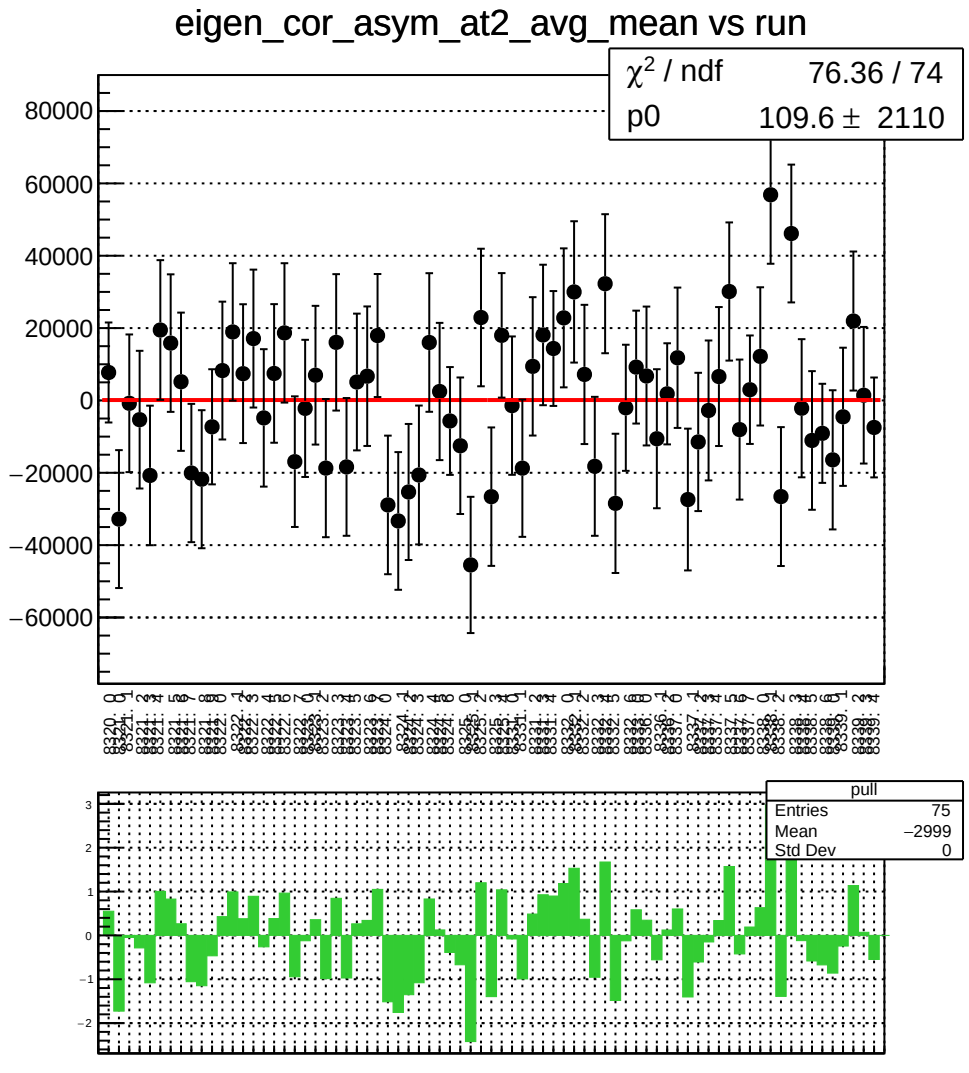

pull1D
Entries 75
Mean −0.0007939
Std Dev 1.009

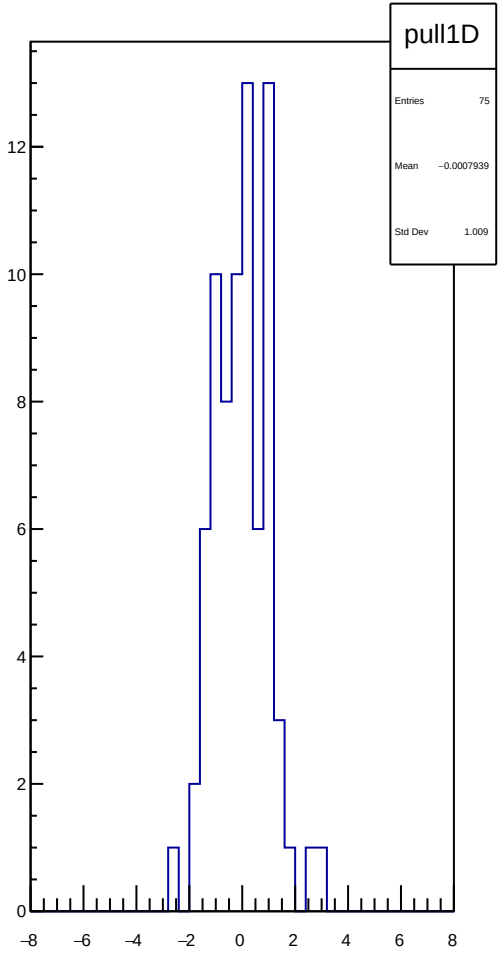

cor_asym_at2_avg_rms vs run
χ^2 / ndf 86.51 / 74
p0 1815 ± 1.492
1880
1860
1840
1820
1800
1780

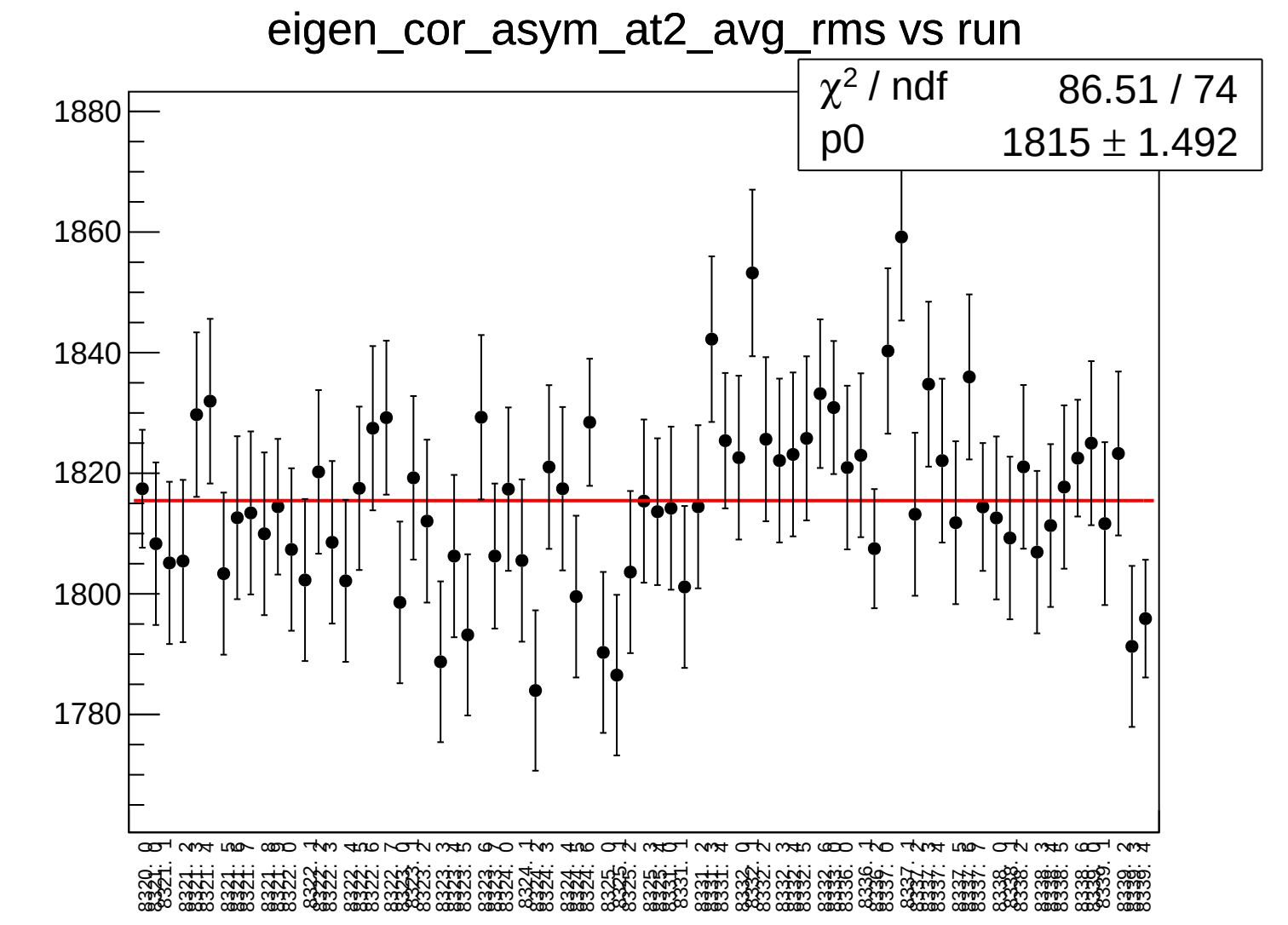

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.62 / 74
p0 −1.691e+04 ± 1.351e+04
pull
Entries 75
Mean 781.8
Std Dev 0

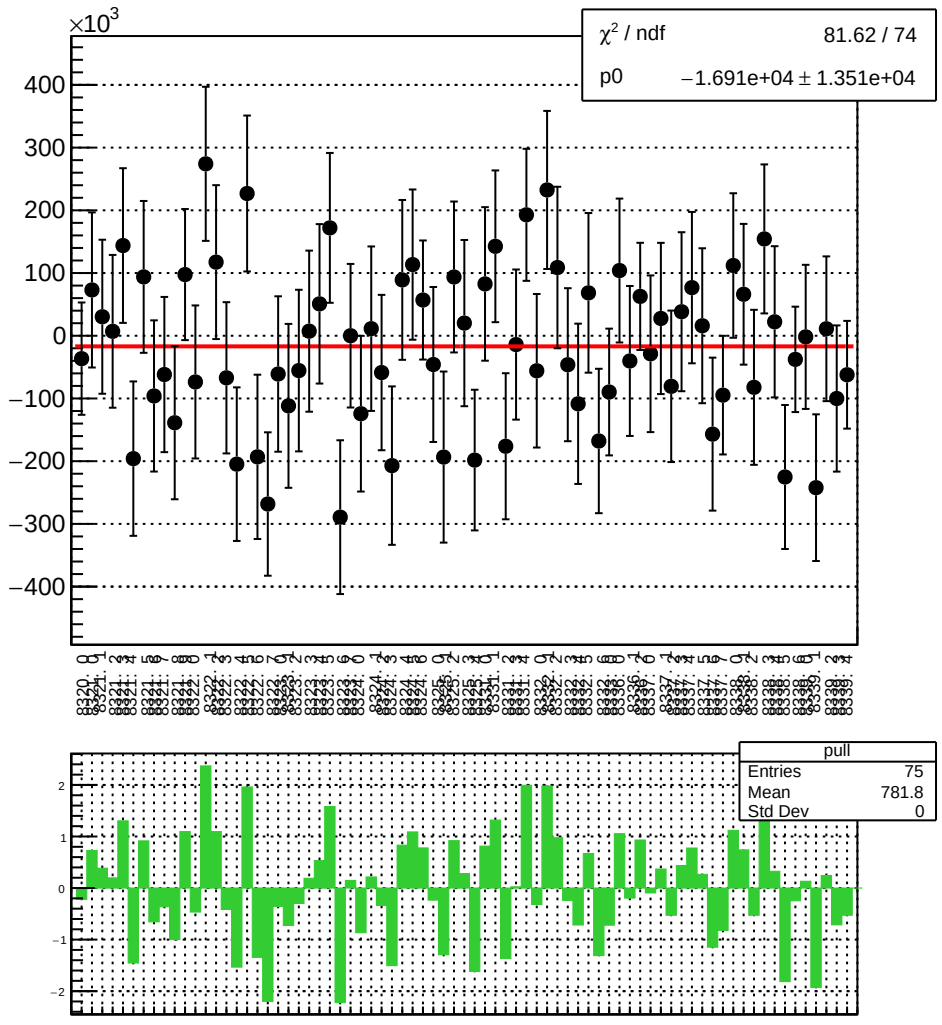

pull1D
Entries 75
Mean −0.001354
Std Dev 1.043

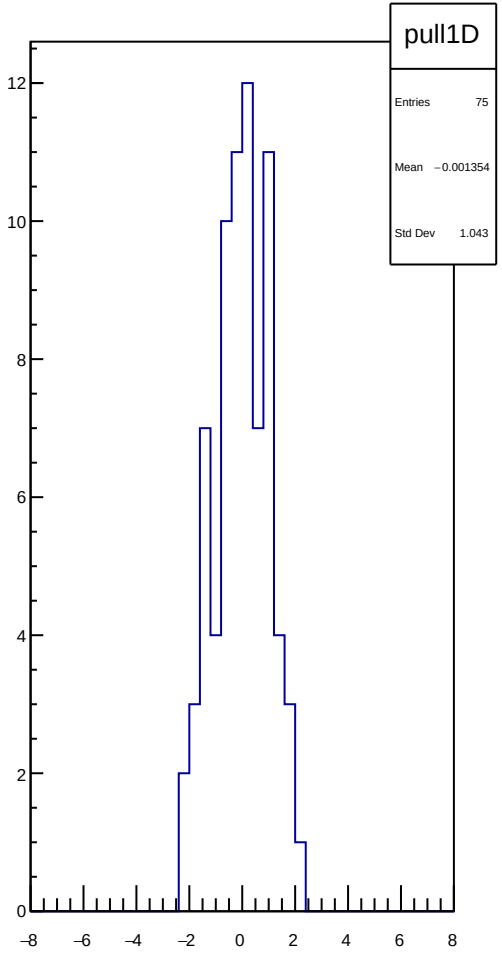

asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1956 / 74
p0 1.161e+04 ± 9.551
13000
12500
12000
11500
11000
10500

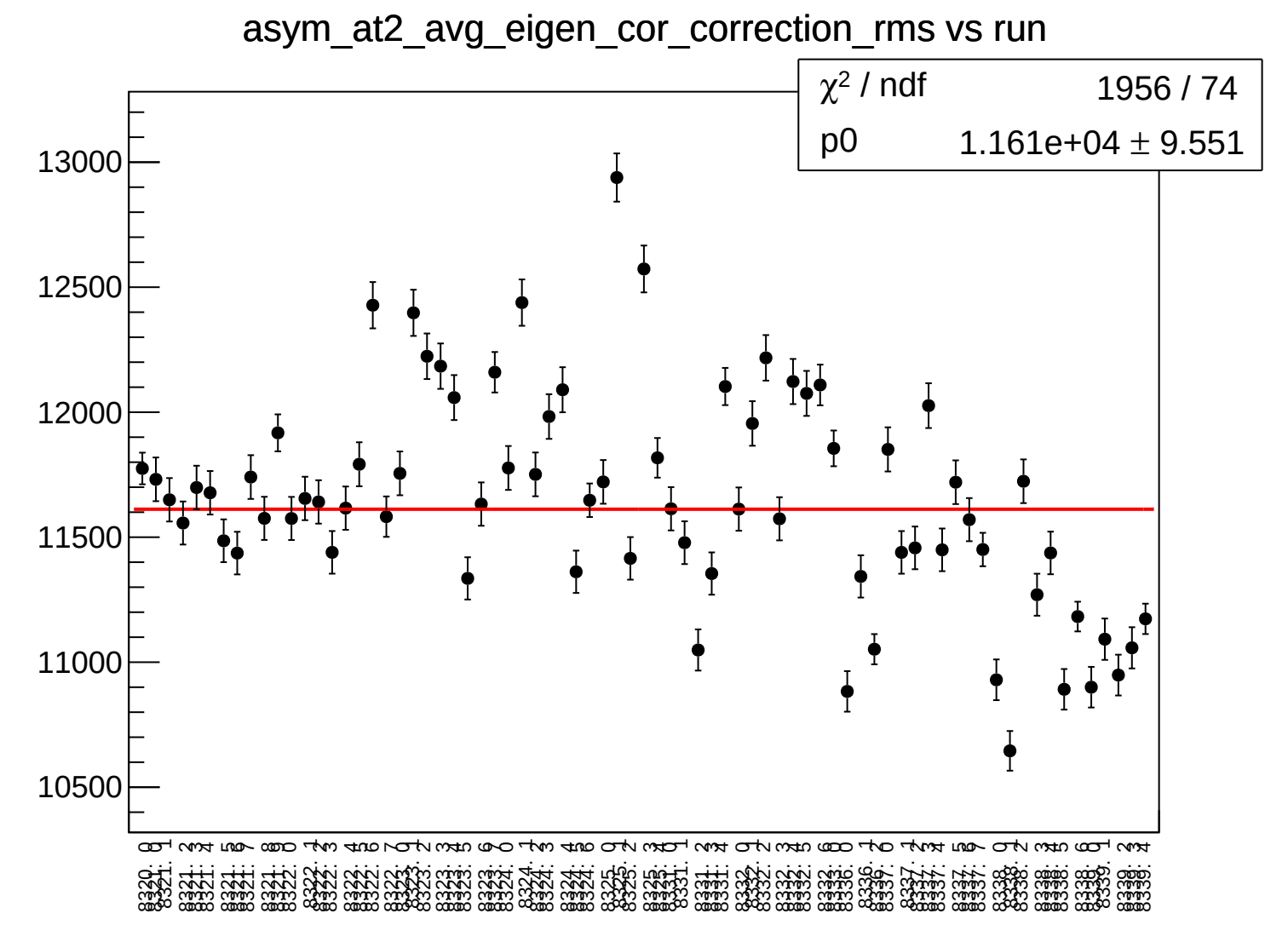

eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 76.36 / 74
p0 109.6 ± 2110
pull
Entries 75
Mean −2999
Std Dev 0

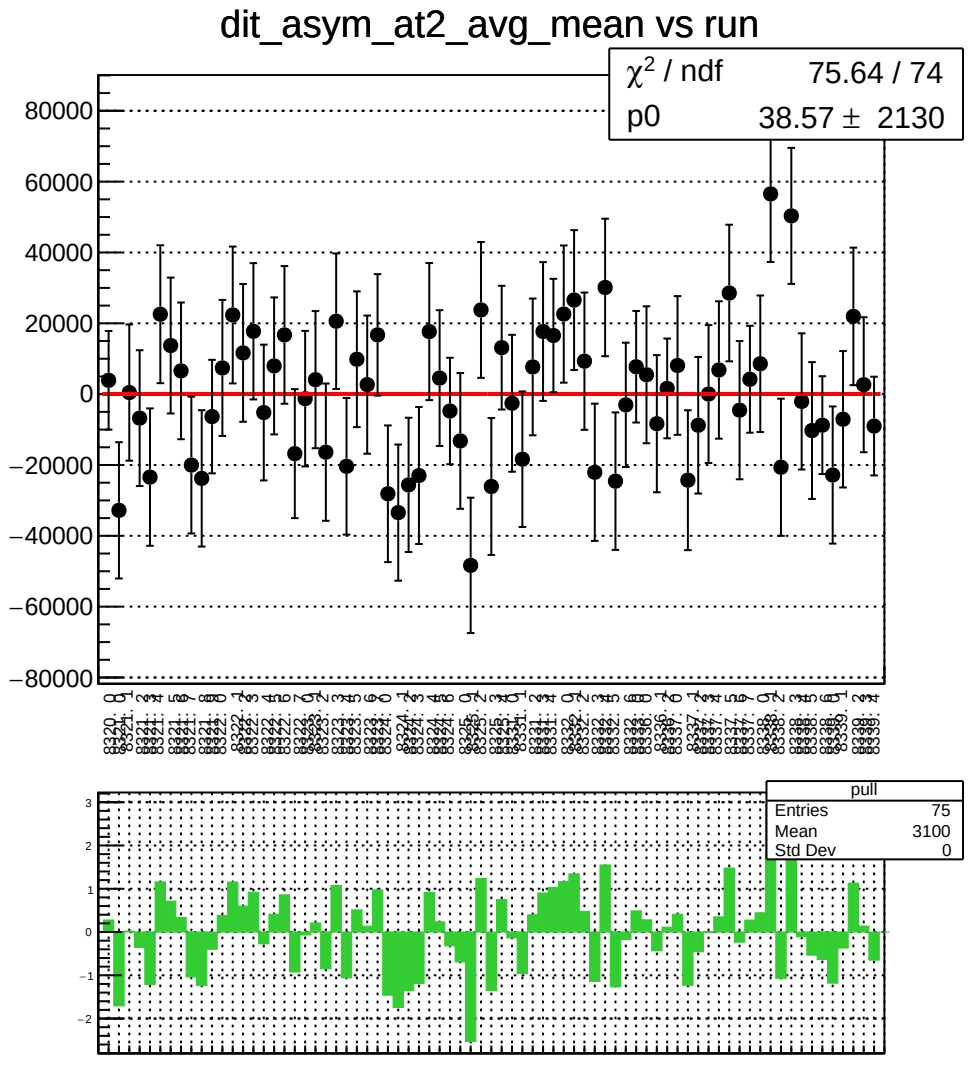

pull1D
Entries 75
Mean −0.0007939
Std Dev 1.009

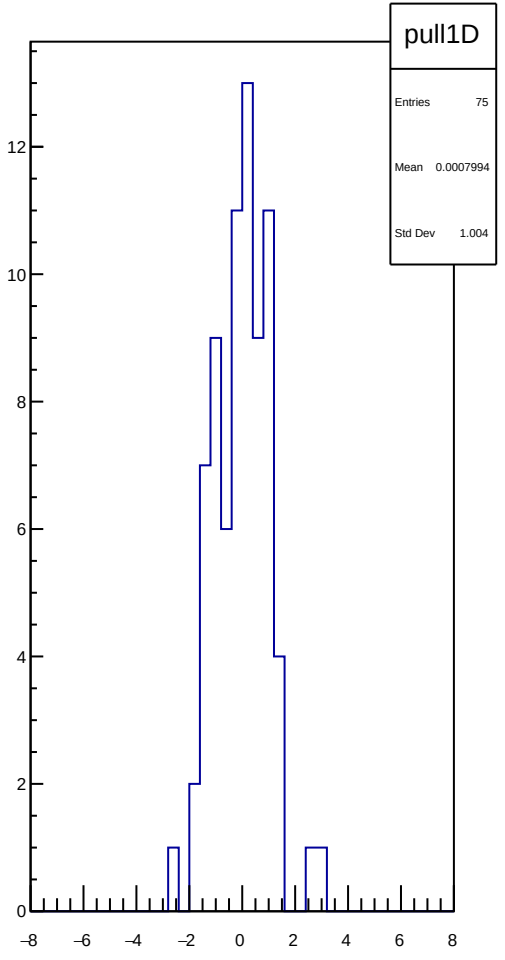

eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 86.51 / 74
p0 1815 ± 1.492
1880
1860
1840
1820
1800
1780

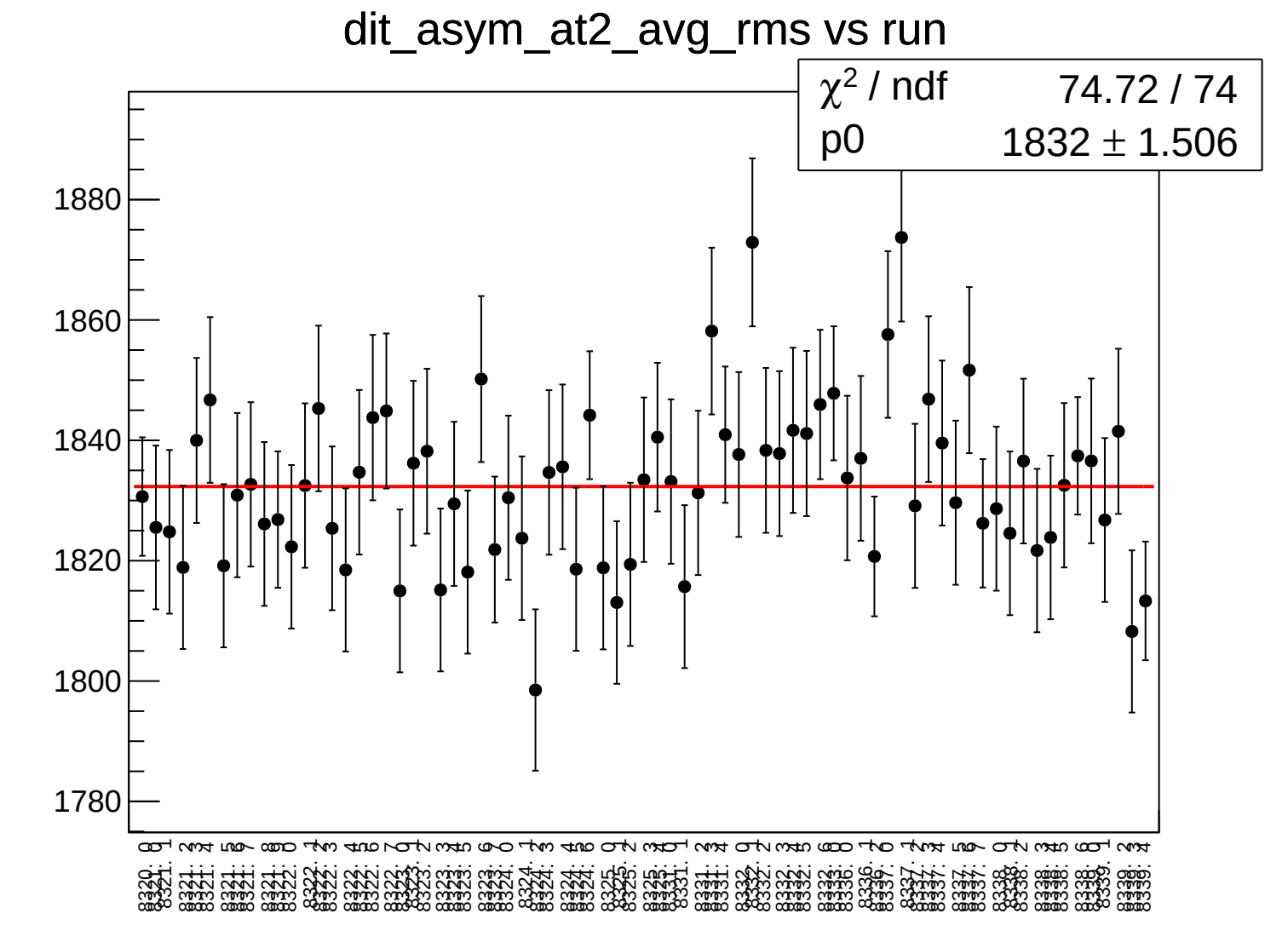

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.62 / 74
p0 −1.691e+04 ± 1.351e+04
pull
Entries 75
Mean 781.8
Std Dev 0

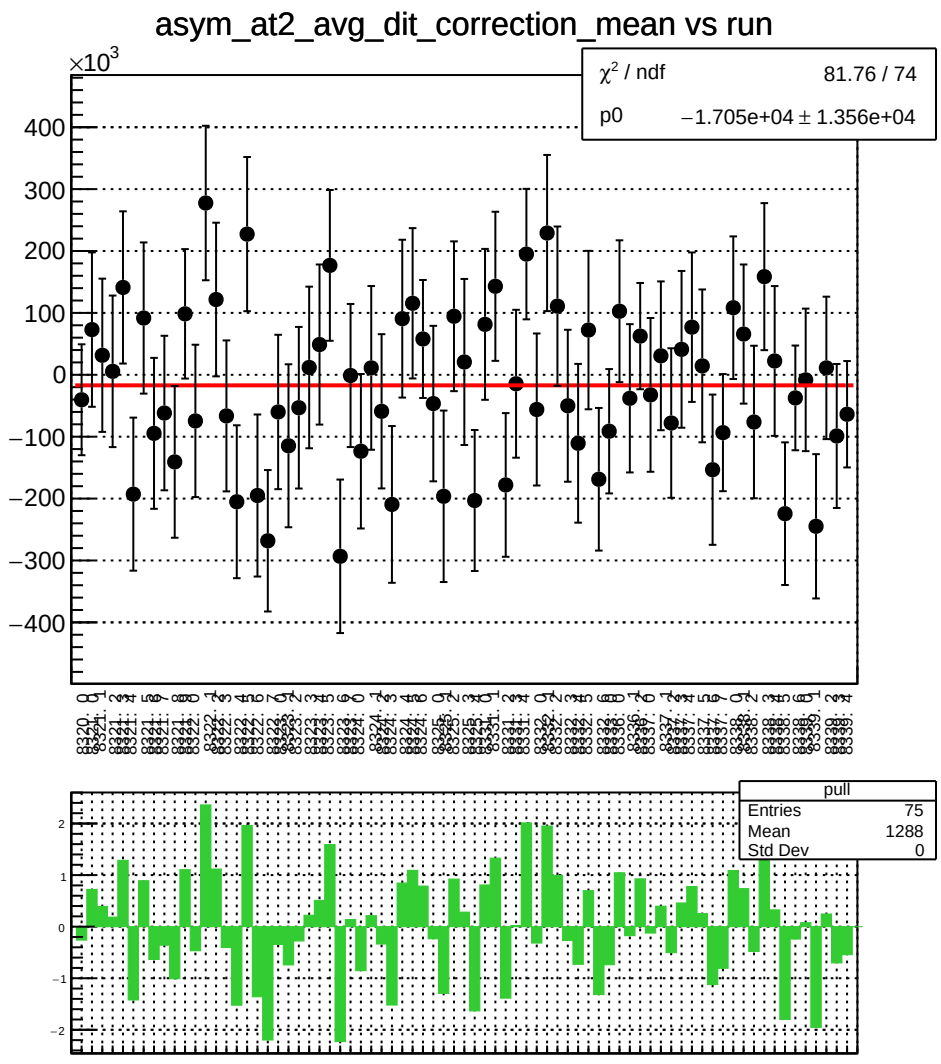

pull1D
Entries 75
Mean −0.001354
Std Dev 1.043

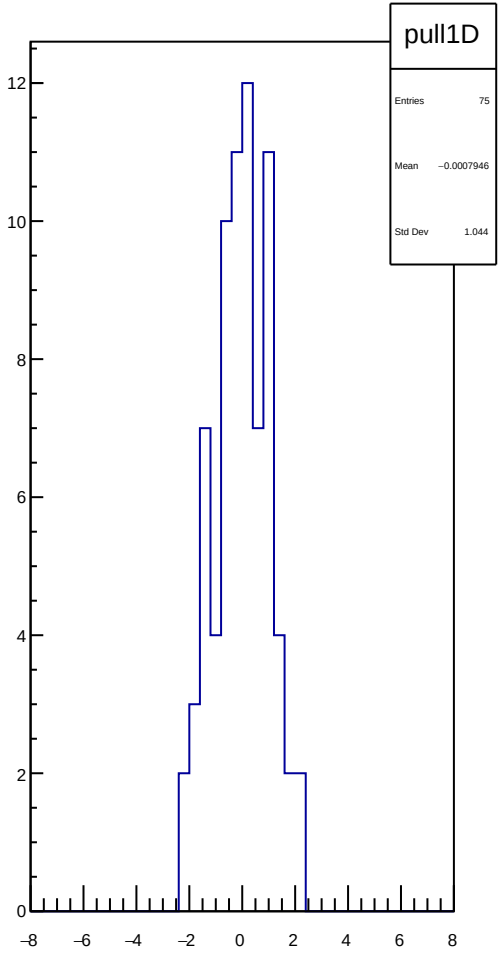

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1956 / 74
p0 1.161e+04 ± 9.551
13000
12500
12000
11500
11000
10500

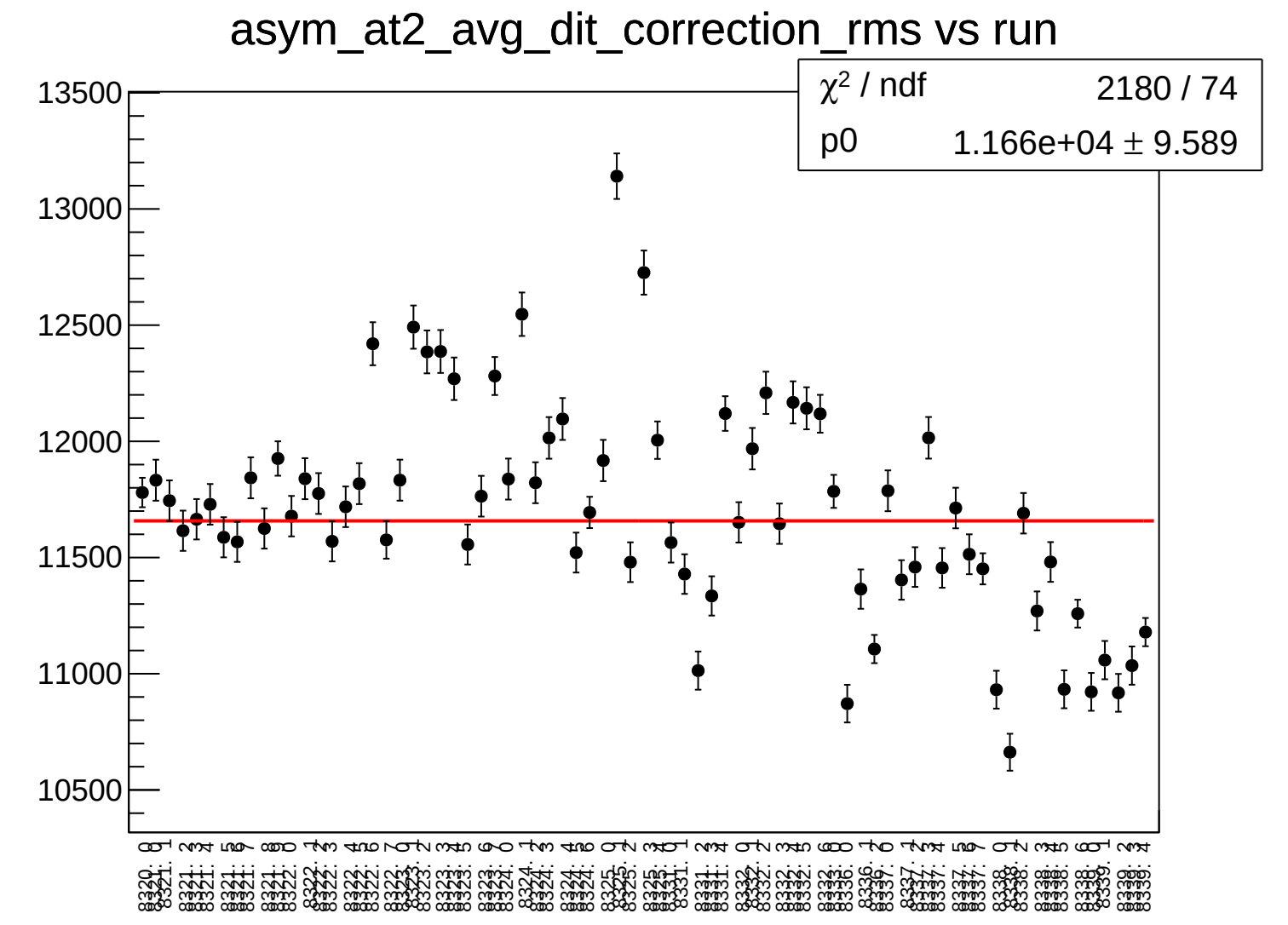

dit_asym_at2_avg_mean vs run
χ² / ndf 75.64 / 74
p0 38.57 ± 2130
pull
Entries 75
Mean 3100
Std Dev 0

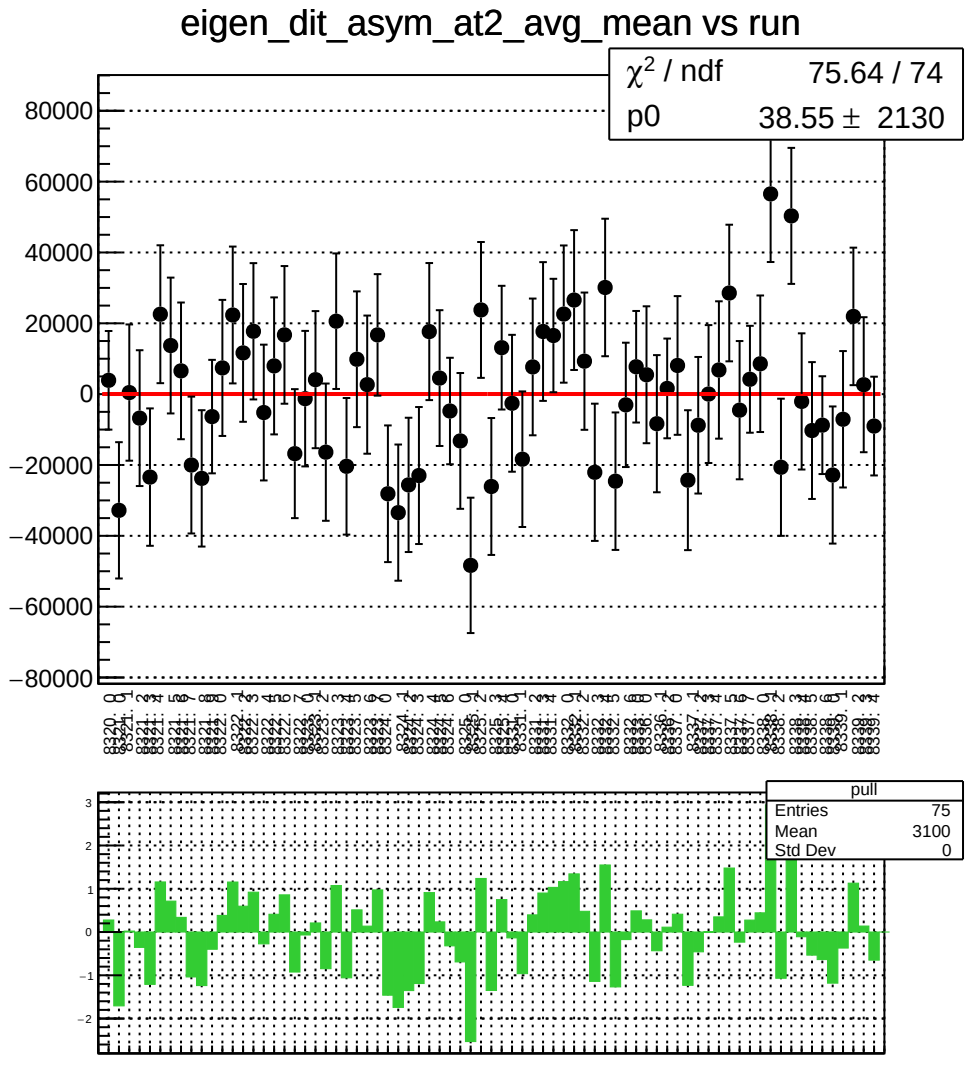

pull1D
Entries 75
Mean 0.0007994
Std Dev 1.004

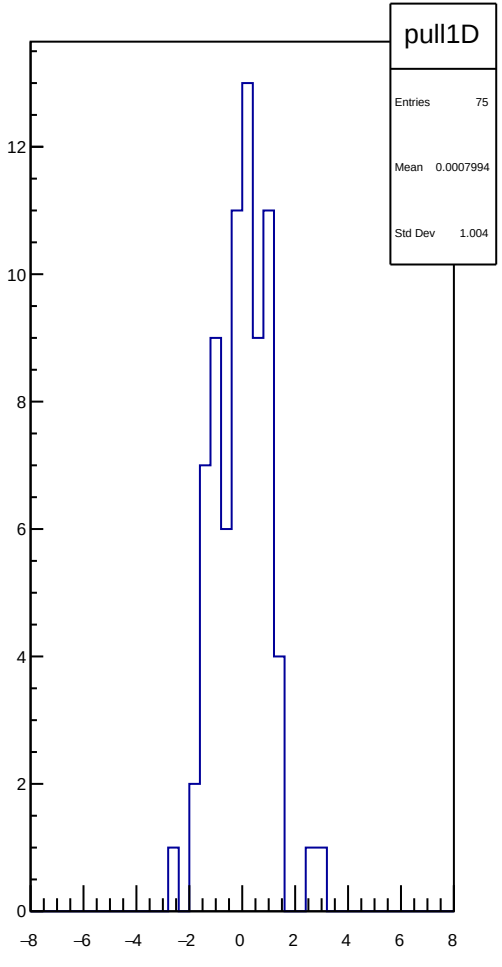

dit_asym_at2_avg_rms vs run
χ² / ndf 74.72 / 74
p0 1832 ± 1.506
1880
1860
1840
1820
1800
1780

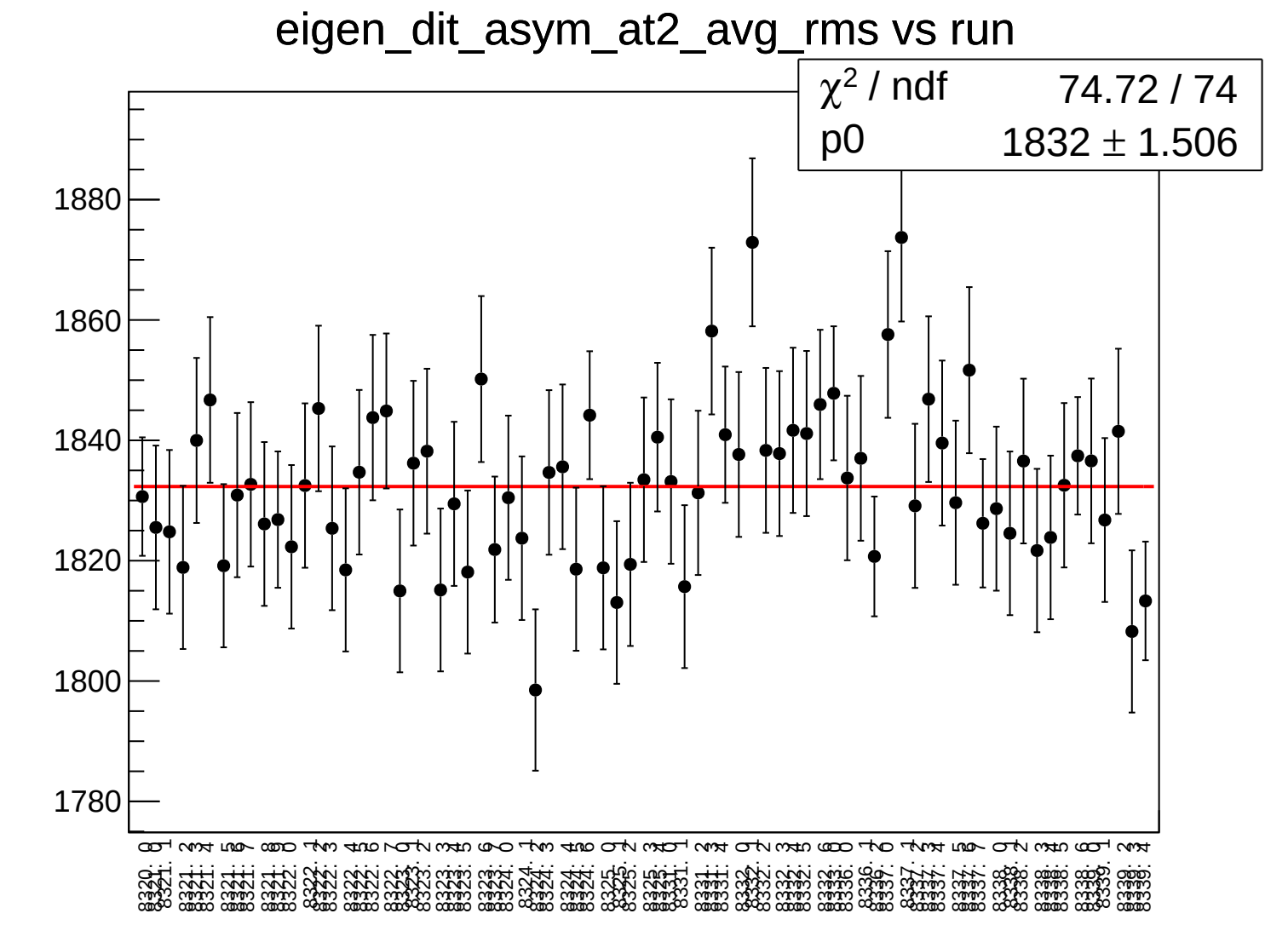

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.76 / 74
p0 −1.705e+04 ± 1.356e+04
pull
Entries 75
Mean 1288
Std Dev 0

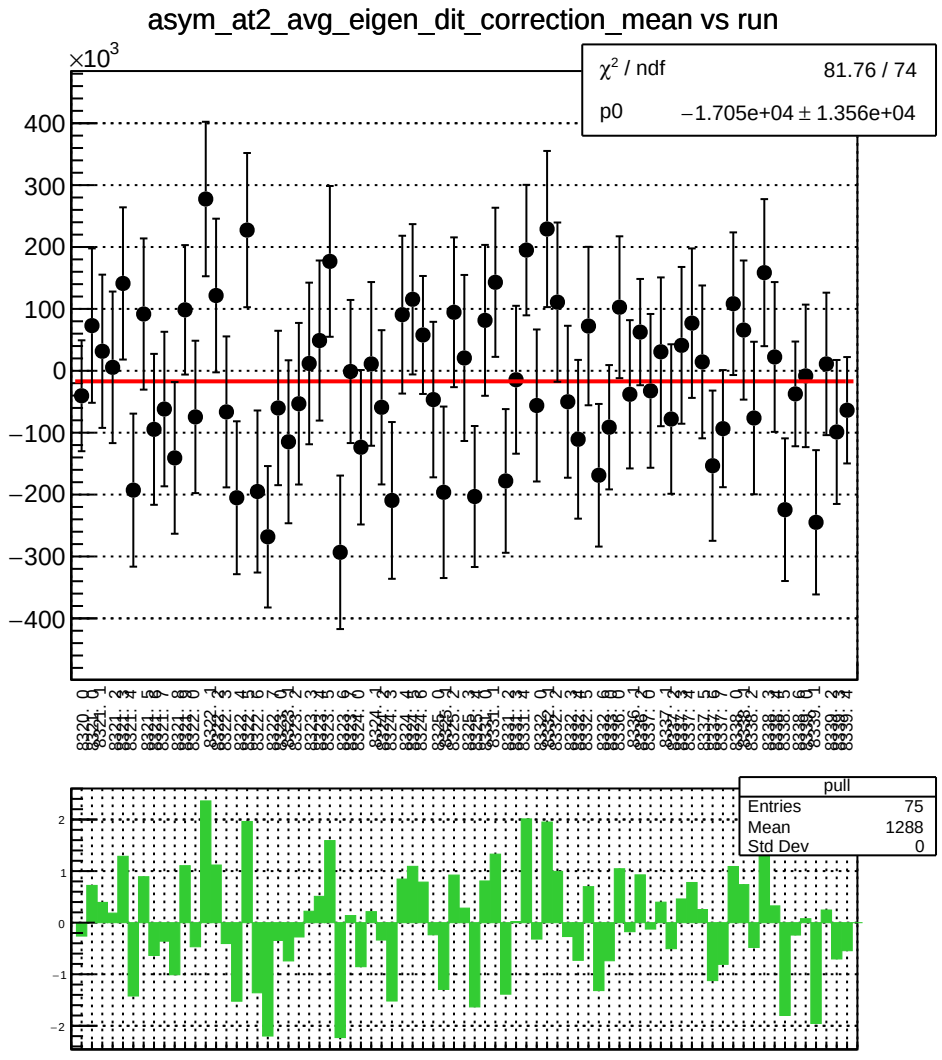

pull1D
Entries 75
Mean −0.0007946
Std Dev 1.044

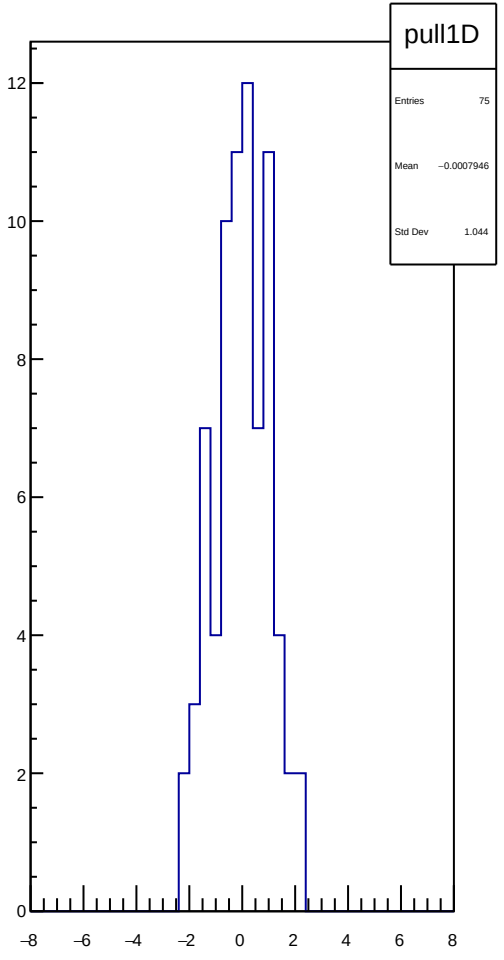

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 2180 / 74
p0 1.166e+04 ± 9.589
13500
13000
12500
12000
11500
11000
10500

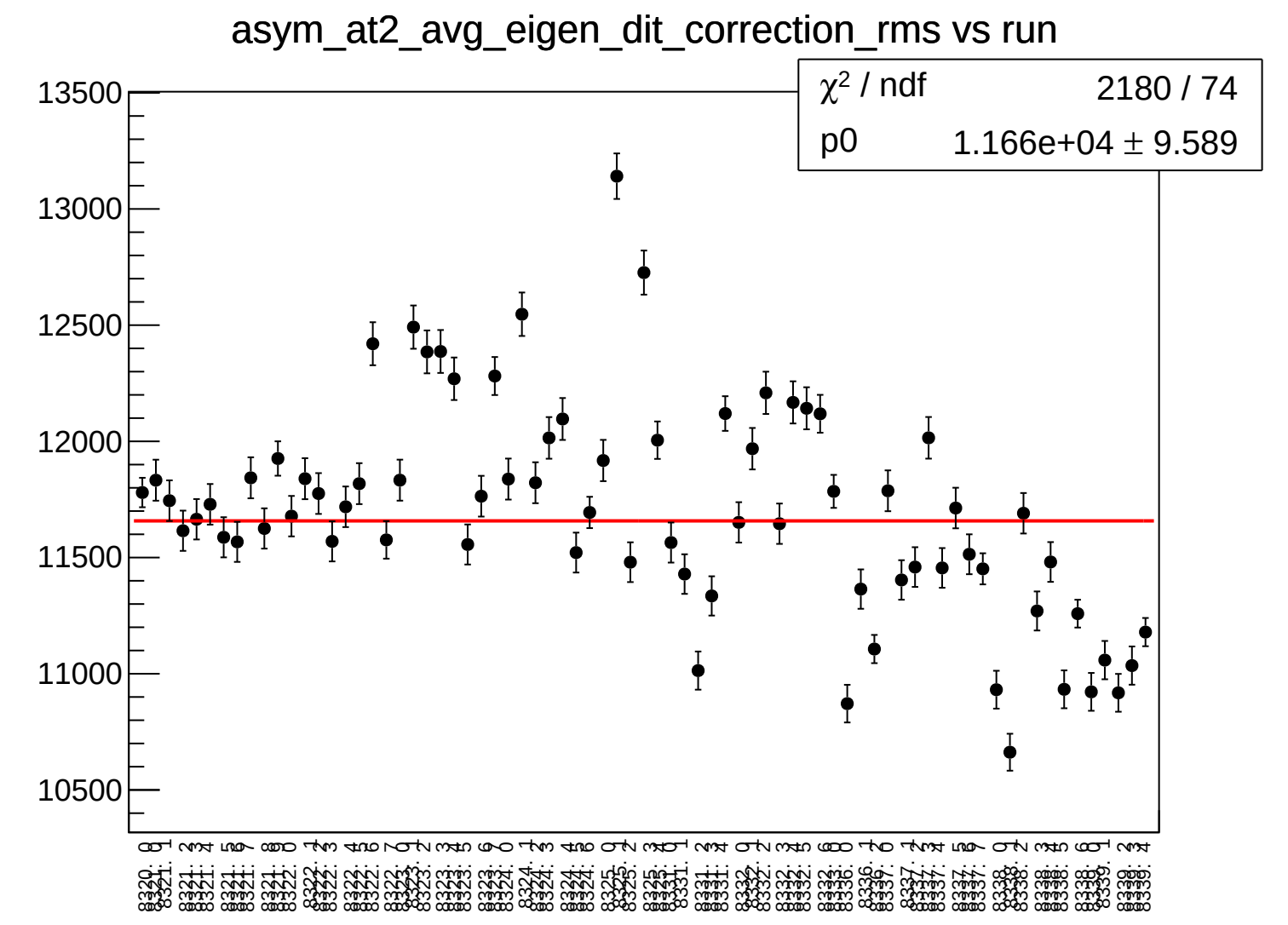

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 75.64 / 74
p0 38.55 ± 2130
pull
Entries 75
Mean 3100
Std Dev 0

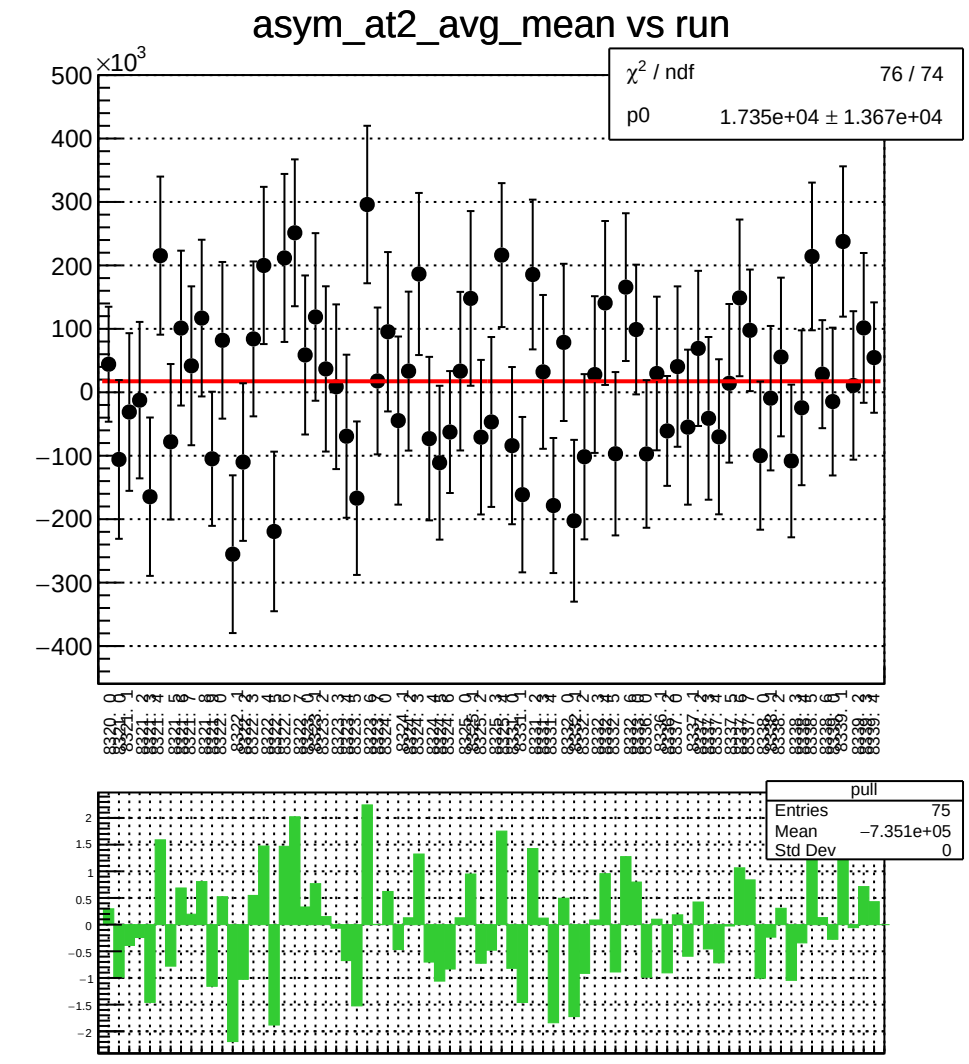

pull1D
Entries 75
Mean 0.0007994
Std Dev 1.004

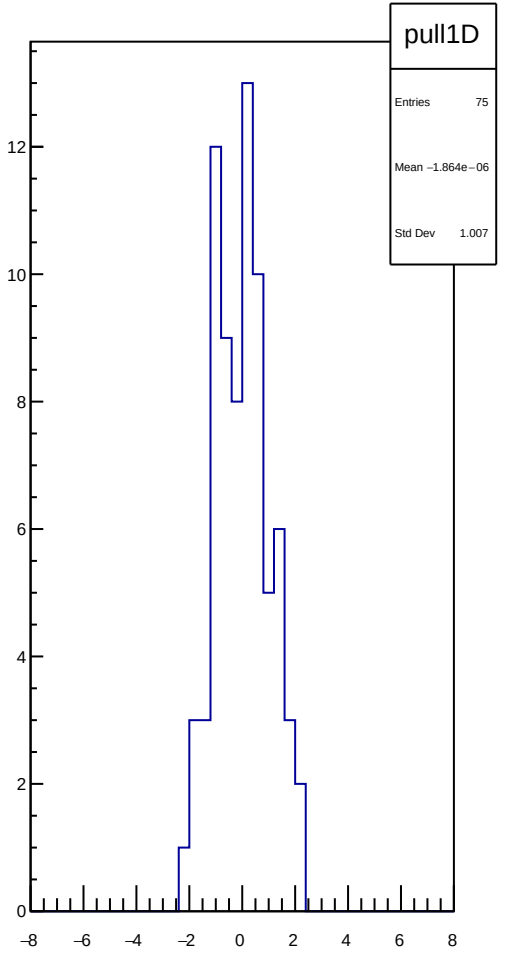

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 74.72 / 74
p0 1832 ± 1.506
1880
1860
1840
1820
1800
1780

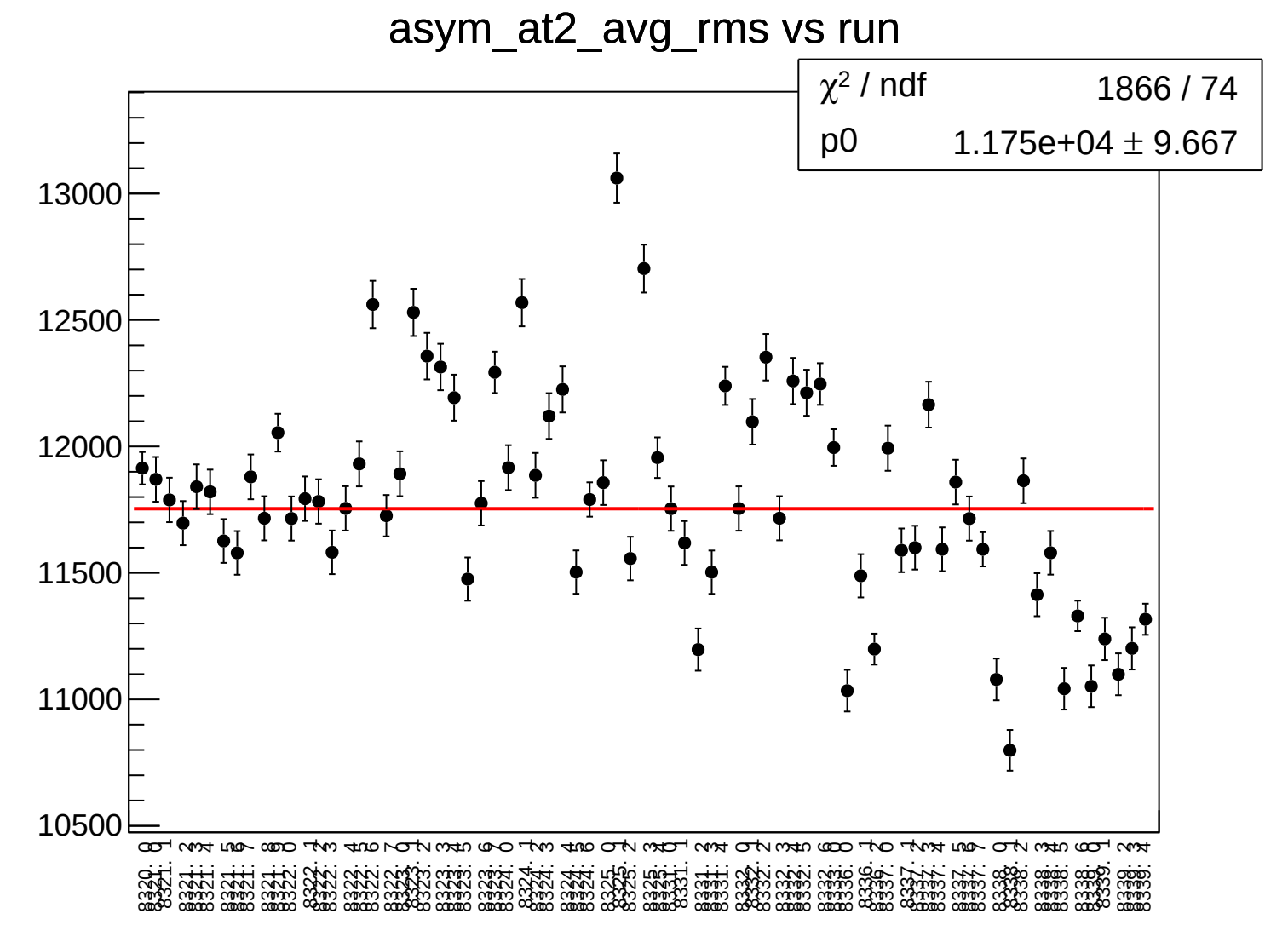

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.76 / 74
p0 −1.705e+04 ± 1.356e+04
pull
Entries 75
Mean 1288
Std Dev 0

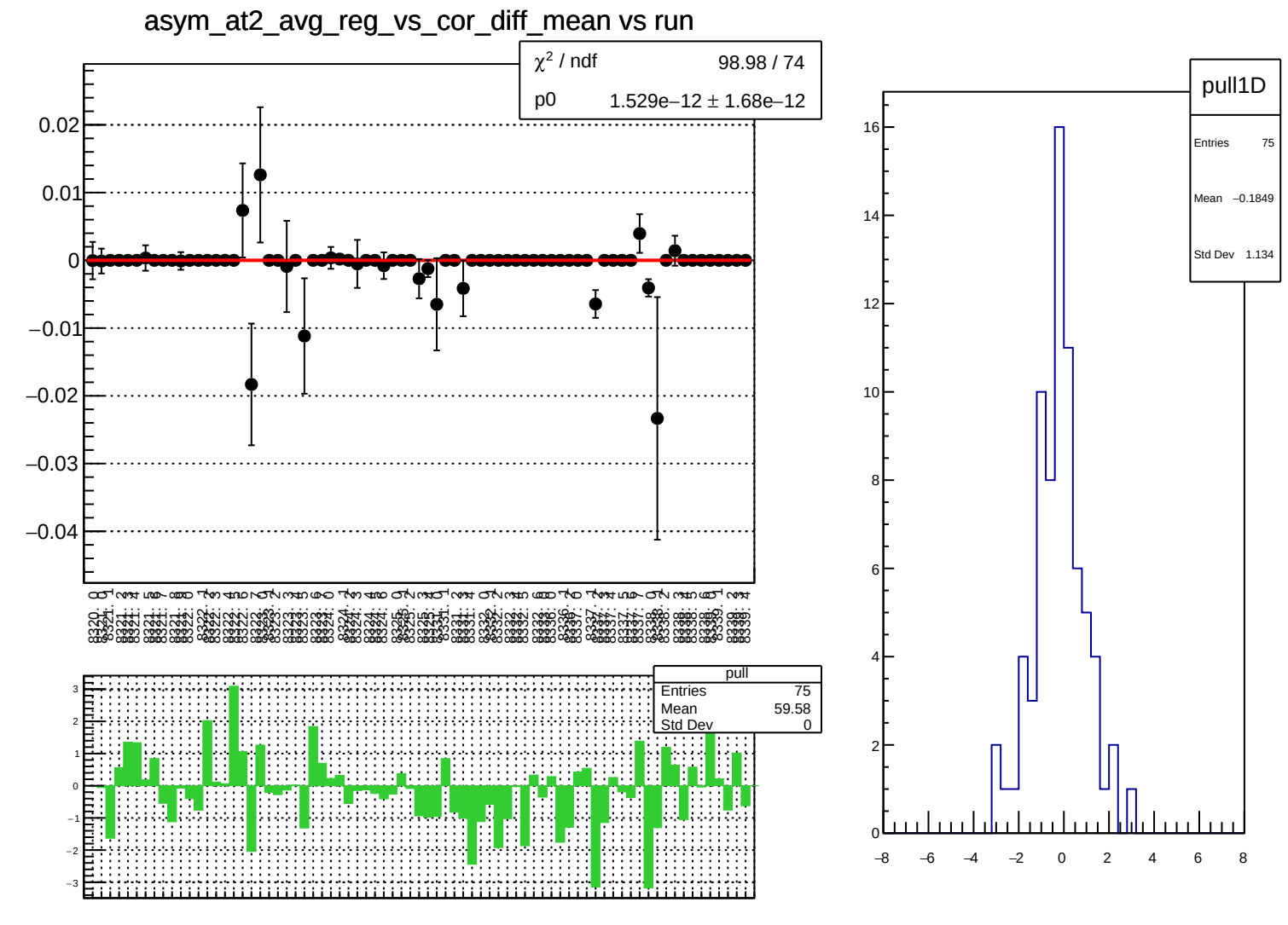

pull1D
Entries 75
Mean −0.0007946
Std Dev 1.044

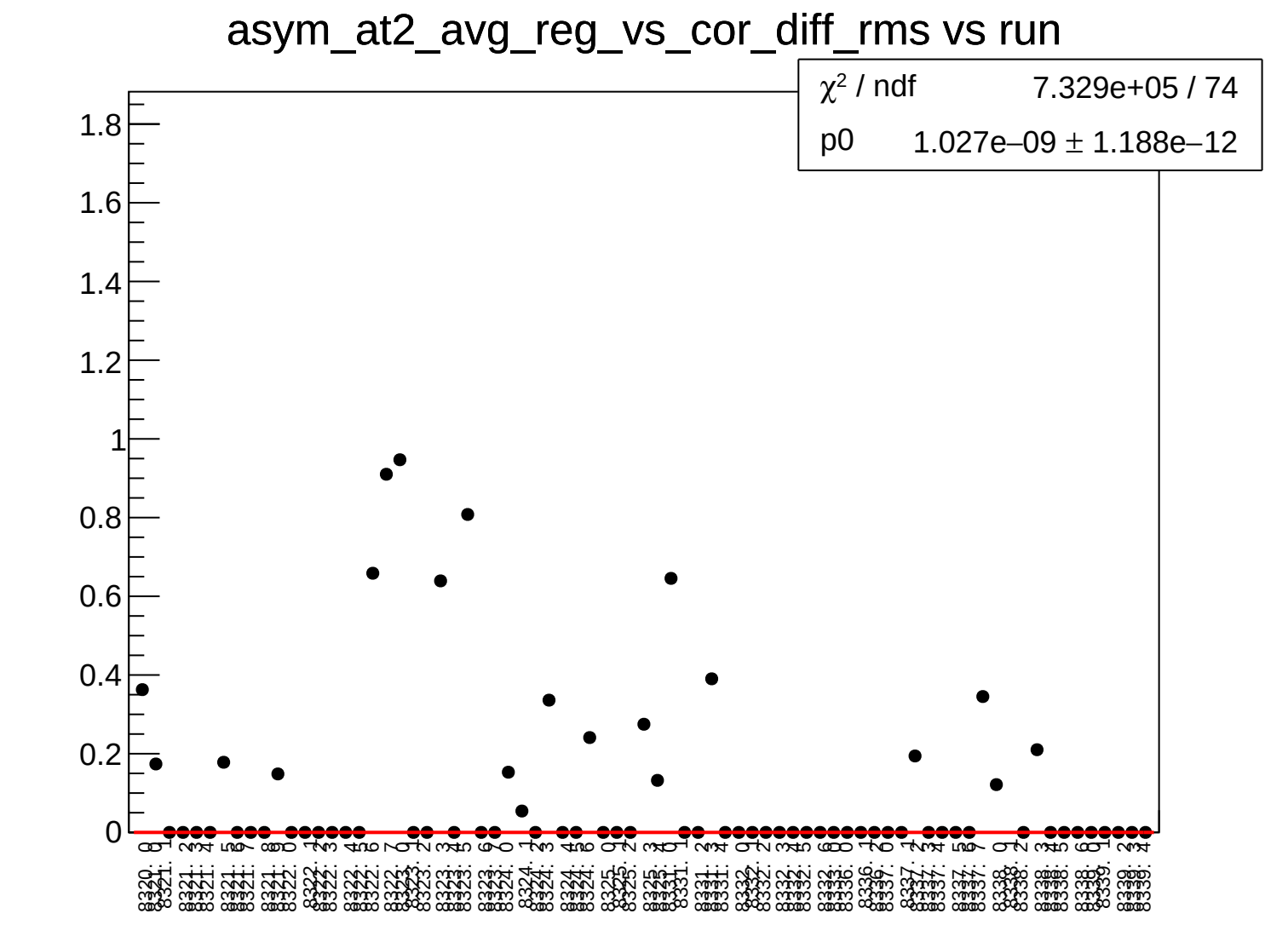

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 2180 / 74
p0 1.166e+04 ± 9.589
13500
13000
12500
12000
11500
11000
10500

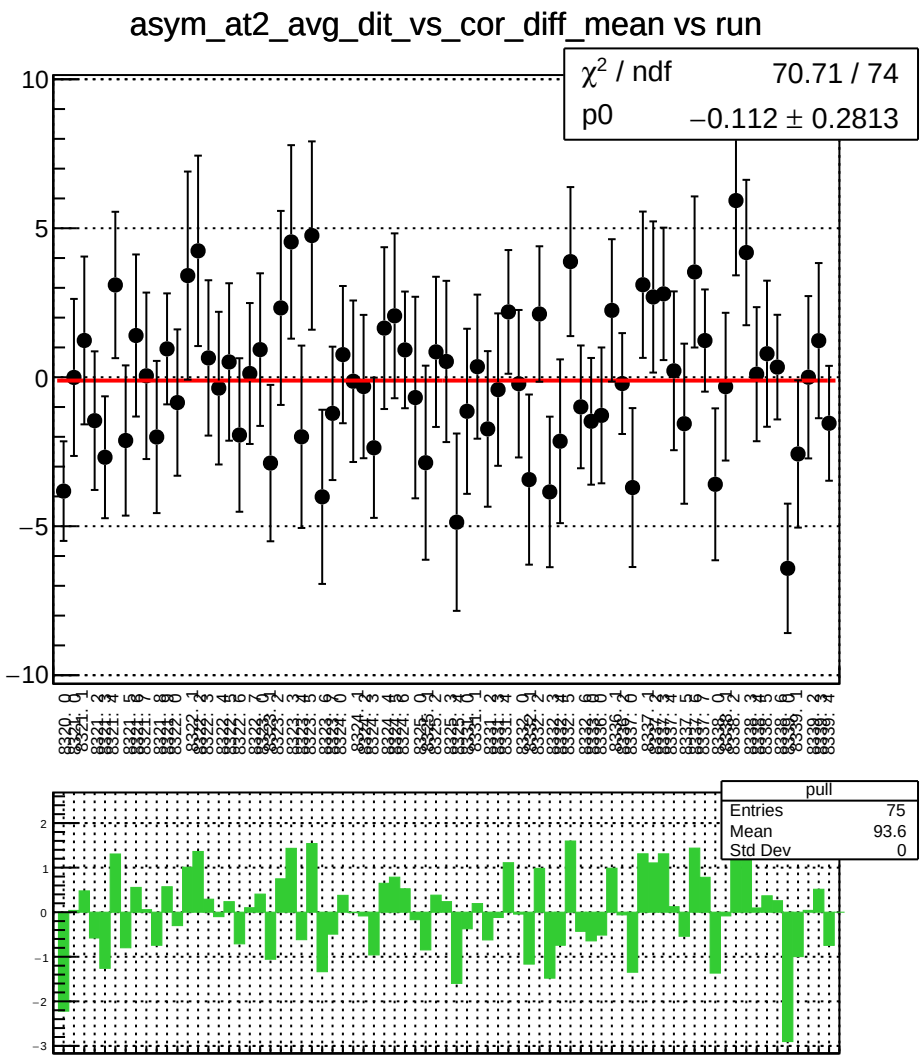

asym_at2_avg_mean vs run
×10^3
χ² / ndf 76 / 74
p0 1.735e+04 ± 1.367e+04
pull
Entries 75
Mean −7.351e+05
Std Dev 0

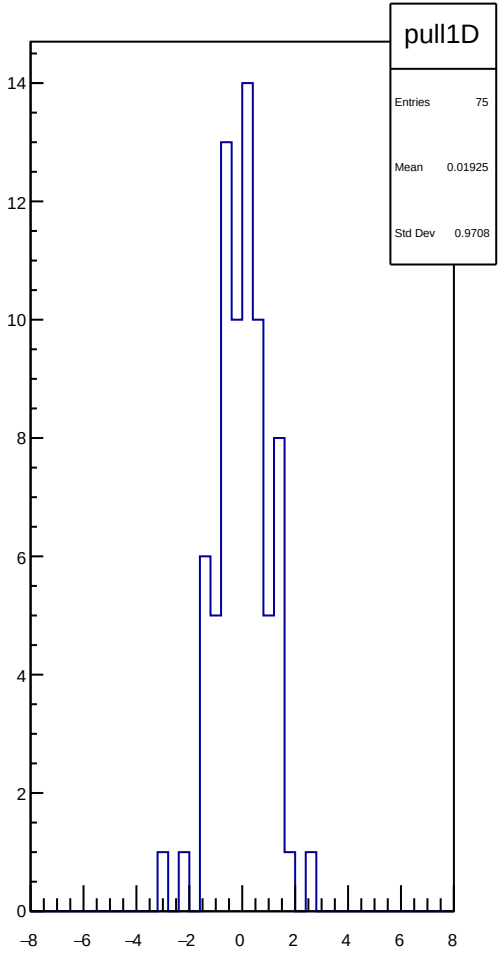

pull1D
Entries 75
Mean −1.864e−06
Std Dev 1.007

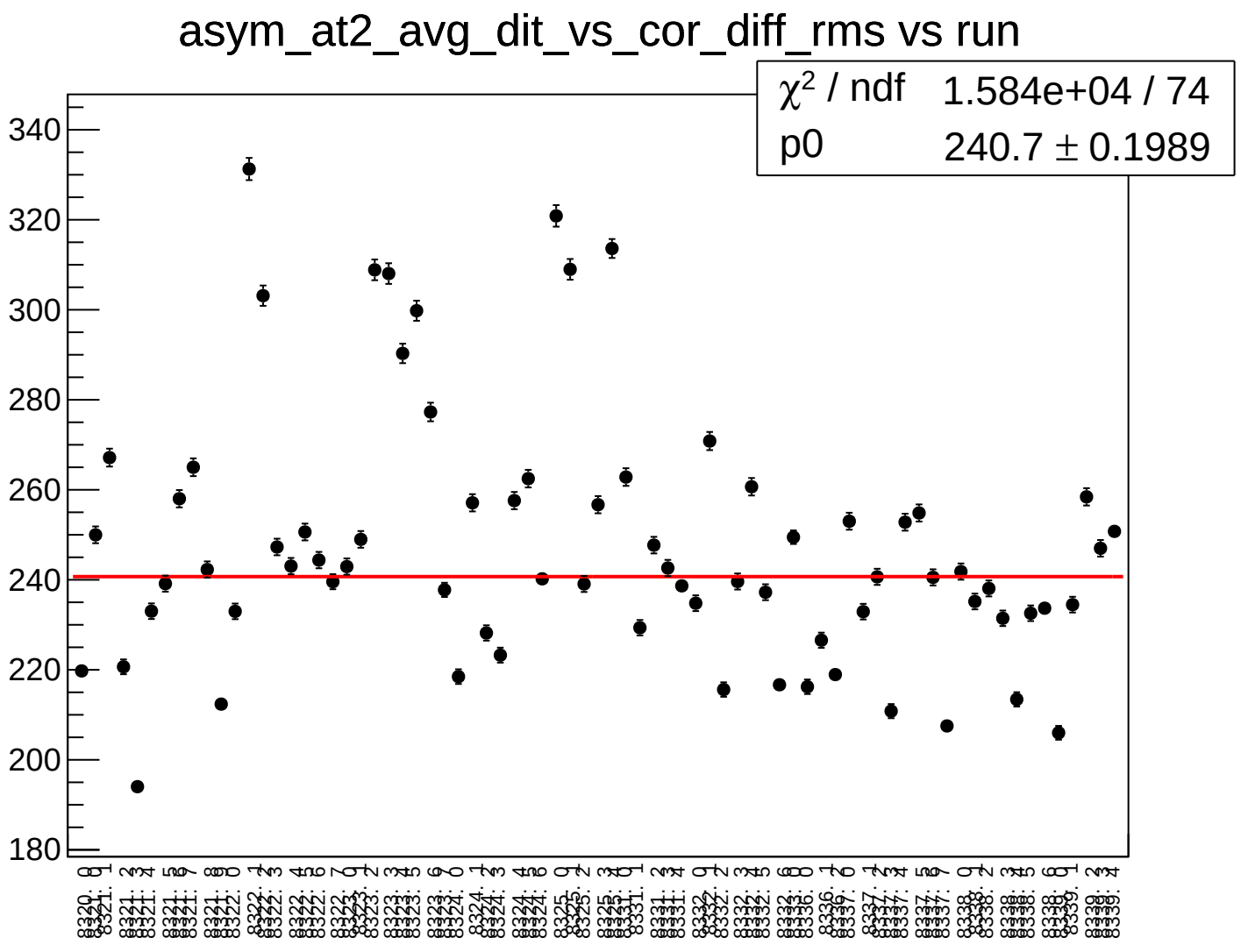

asym_at2_avg_rms vs run
χ² / ndf 1866 / 74
p0 1.175e+04 ± 9.667
13000
12500
12000
11500
11000
10500

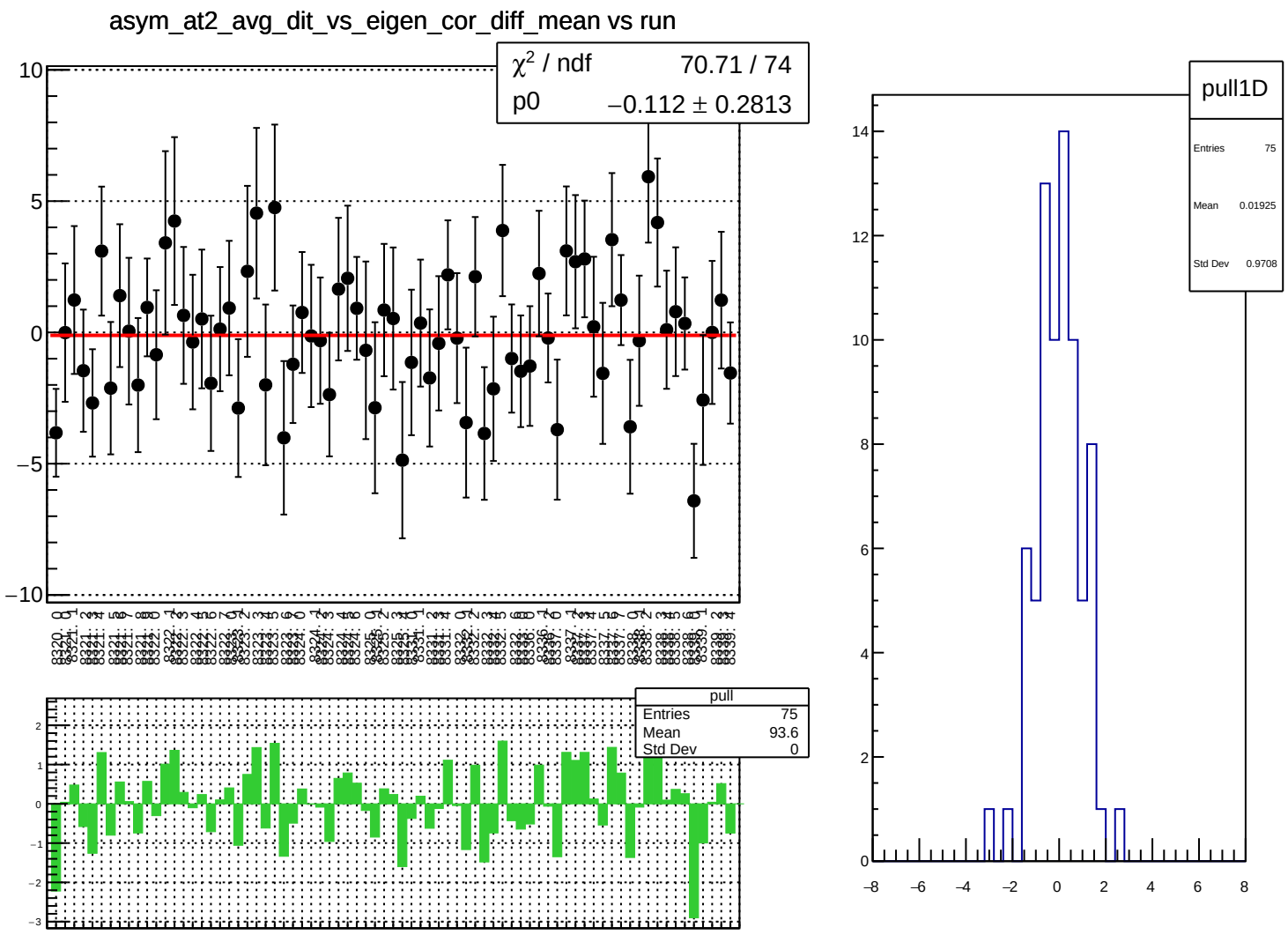

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 98.98 / 74
p0 1.529e−12 ± 1.68e−12
pull
Entries 75
Mean 59.58
Std Dev 0
pull1D
Entries 75
Mean −0.1849
Std Dev 1.134

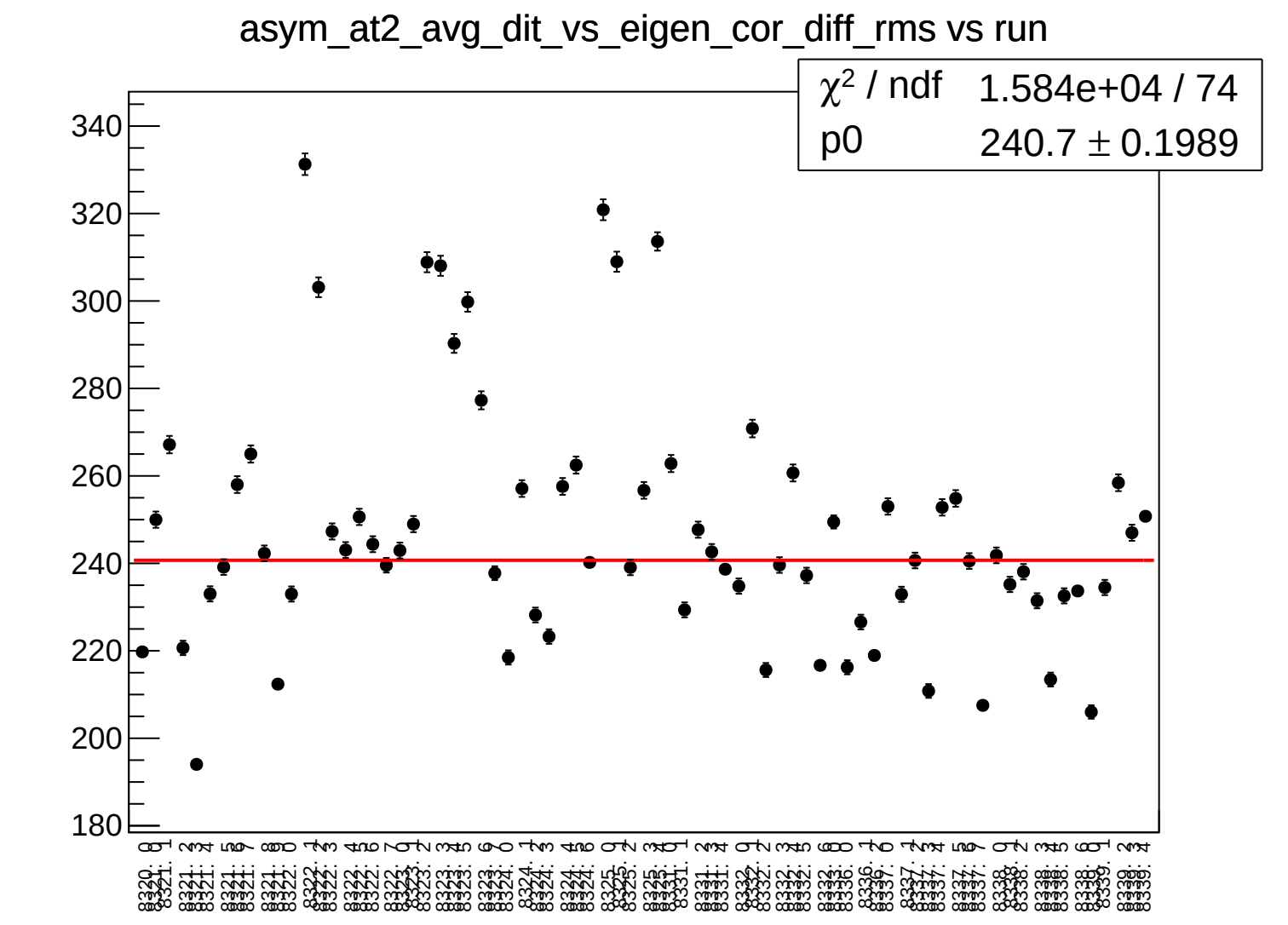

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.329e+05 / 74
p0 1.027e−09 ± 1.188e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

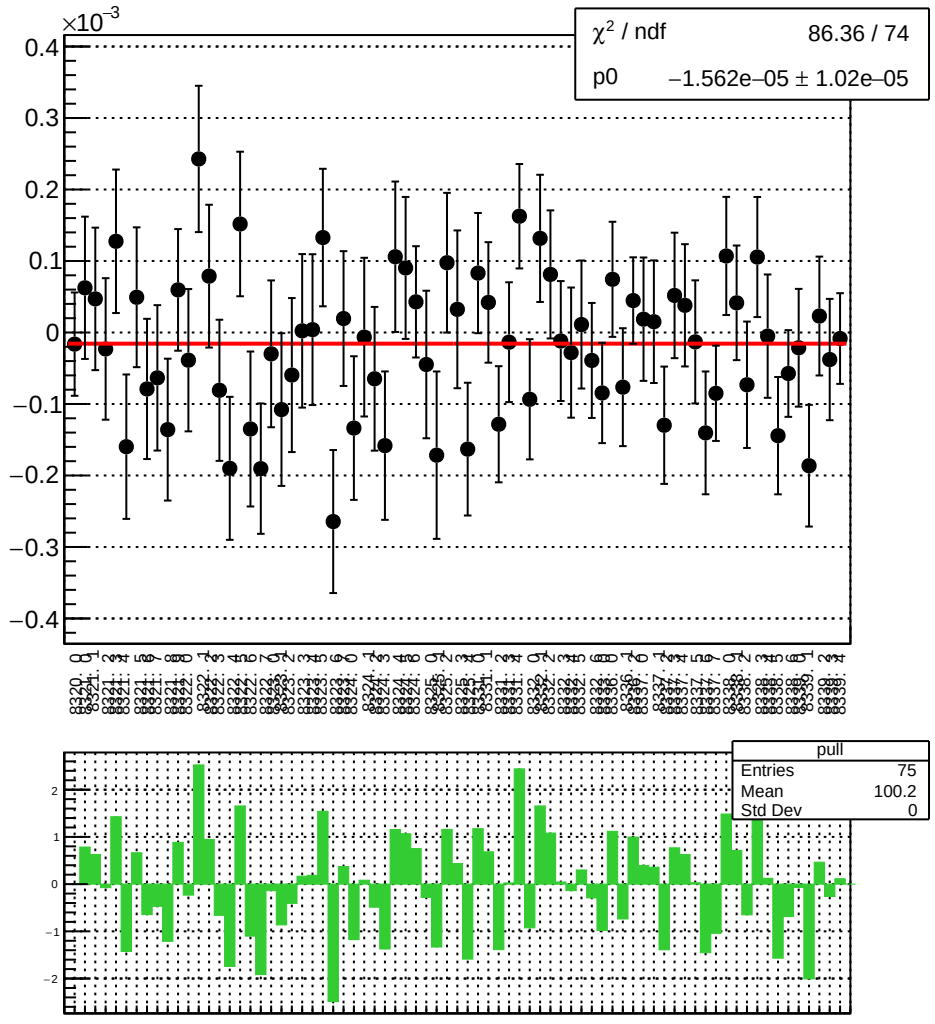

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 70.71 / 74
p0 −0.112 ± 0.2813
pull
Entries 75
Mean 93.6
Std Dev 0

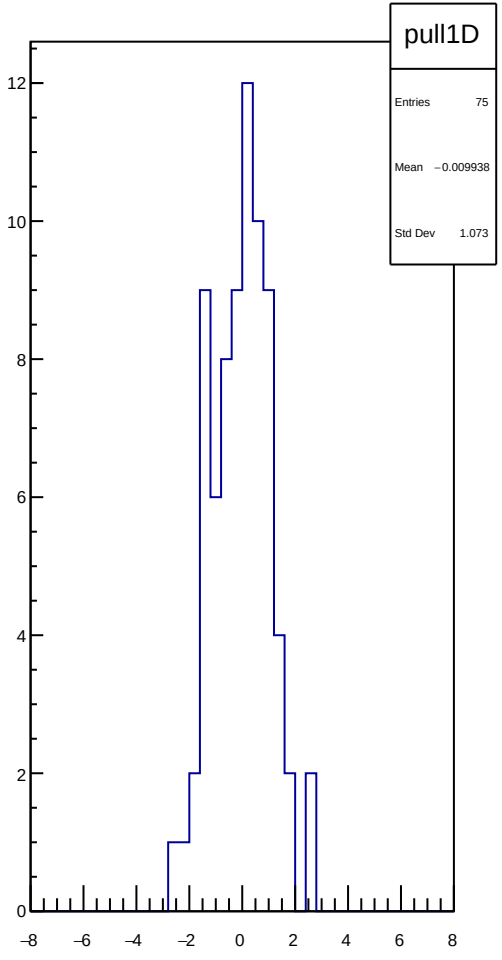

pull1D
Entries 75
Mean 0.01925
Std Dev 0.9708

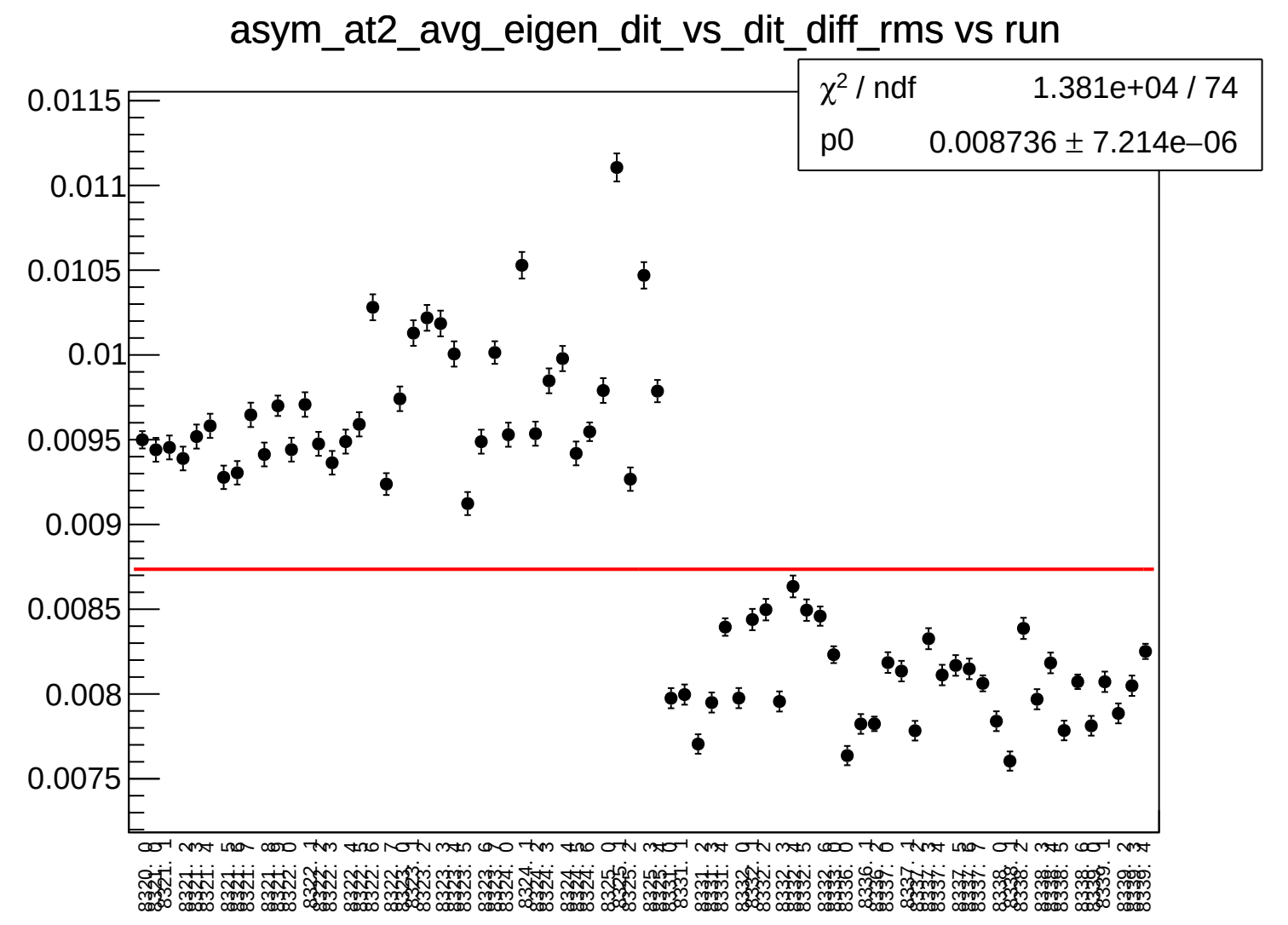

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 74
p0 240.7 ± 0.1989
340
320
300
280
260
240
220
200
180

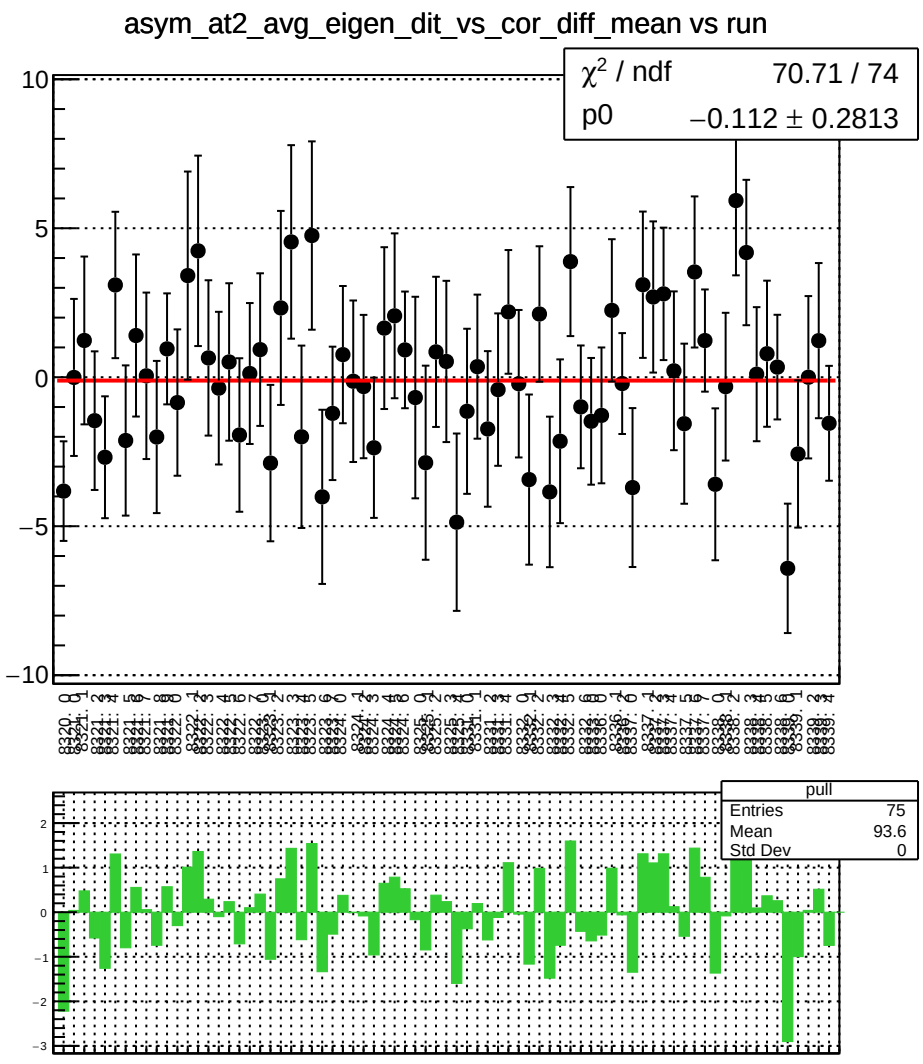

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.71 / 74
p0 −0.112 ± 0.2813
pull
Entries 75
Mean 93.6
Std Dev 0
pull1D
Entries 75
Mean 0.01925
Std Dev 0.9708

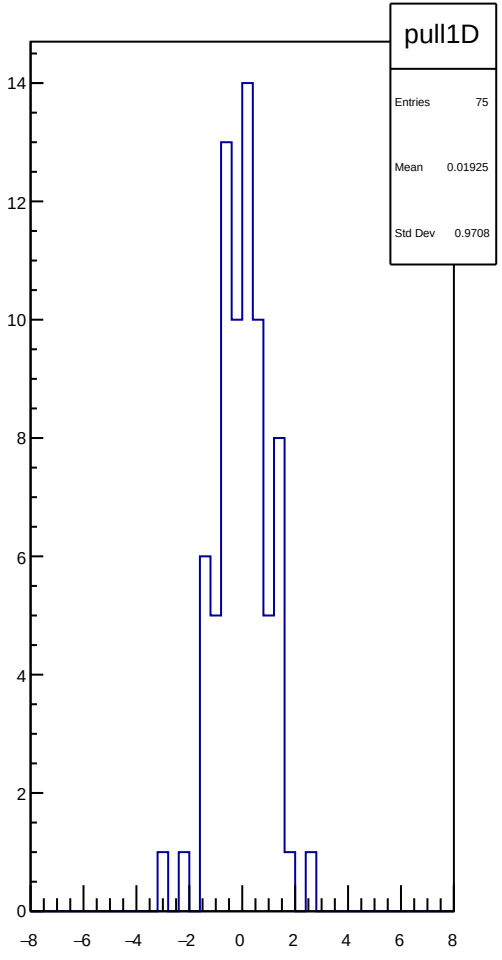

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 74
p0 240.7 ± 0.1989
340
320
300
280
260
240
220
200
180

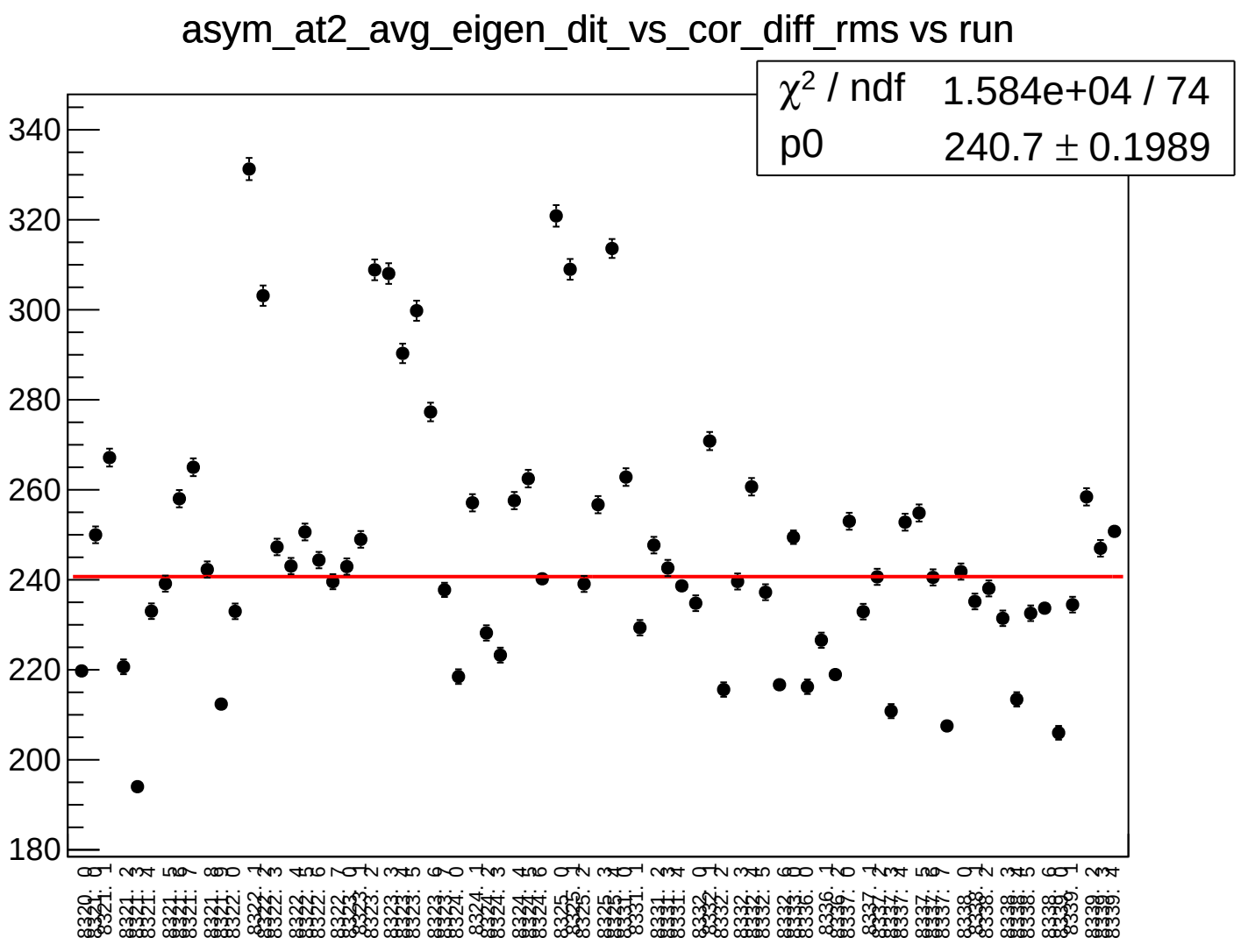

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.36 / 74
p0 −1.562e−05 ± 1.02e−05
pull
Entries 75
Mean 100.2
Std Dev 0

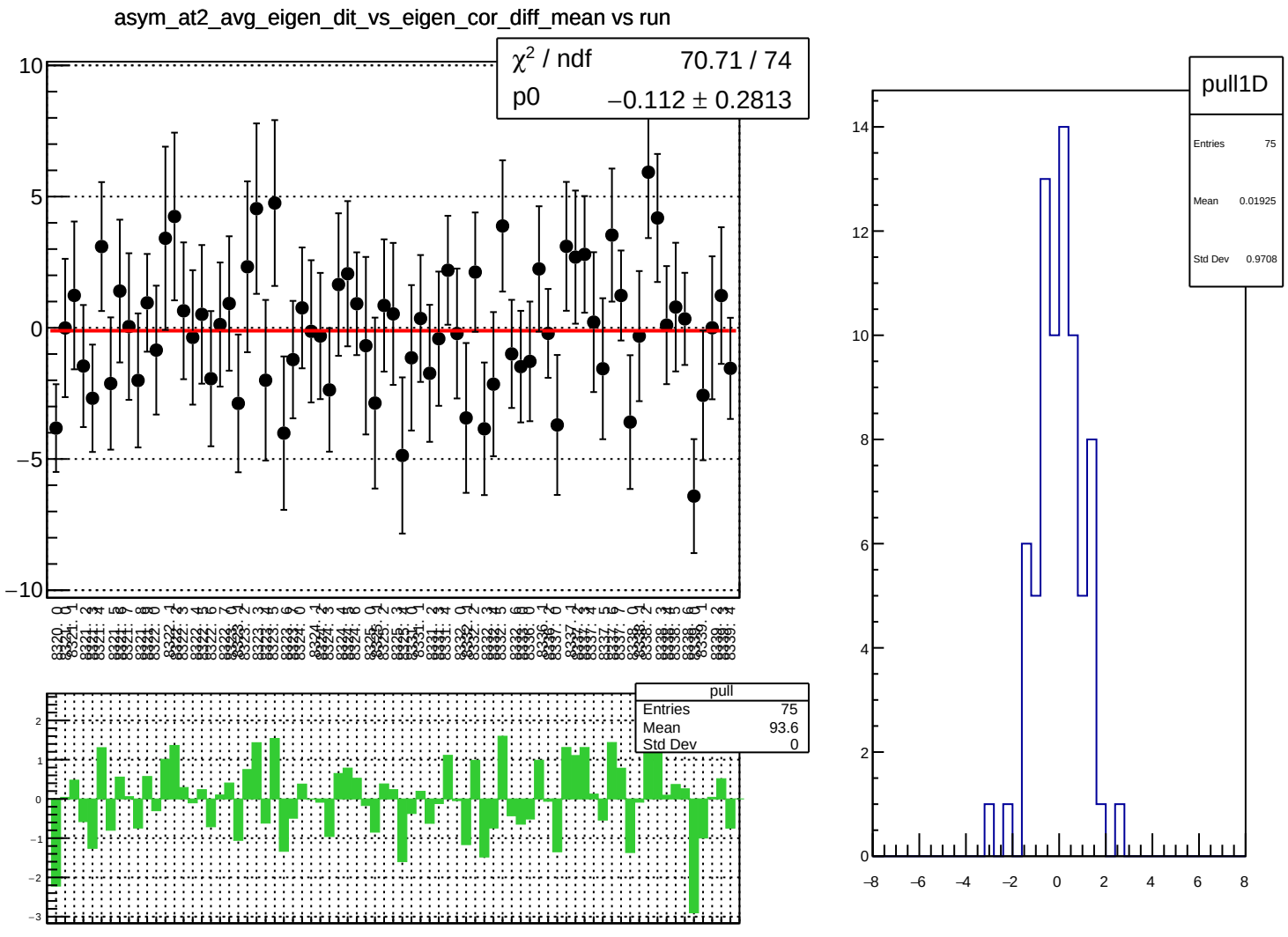

pull1D
Entries 75
Mean −0.009938
Std Dev 1.073

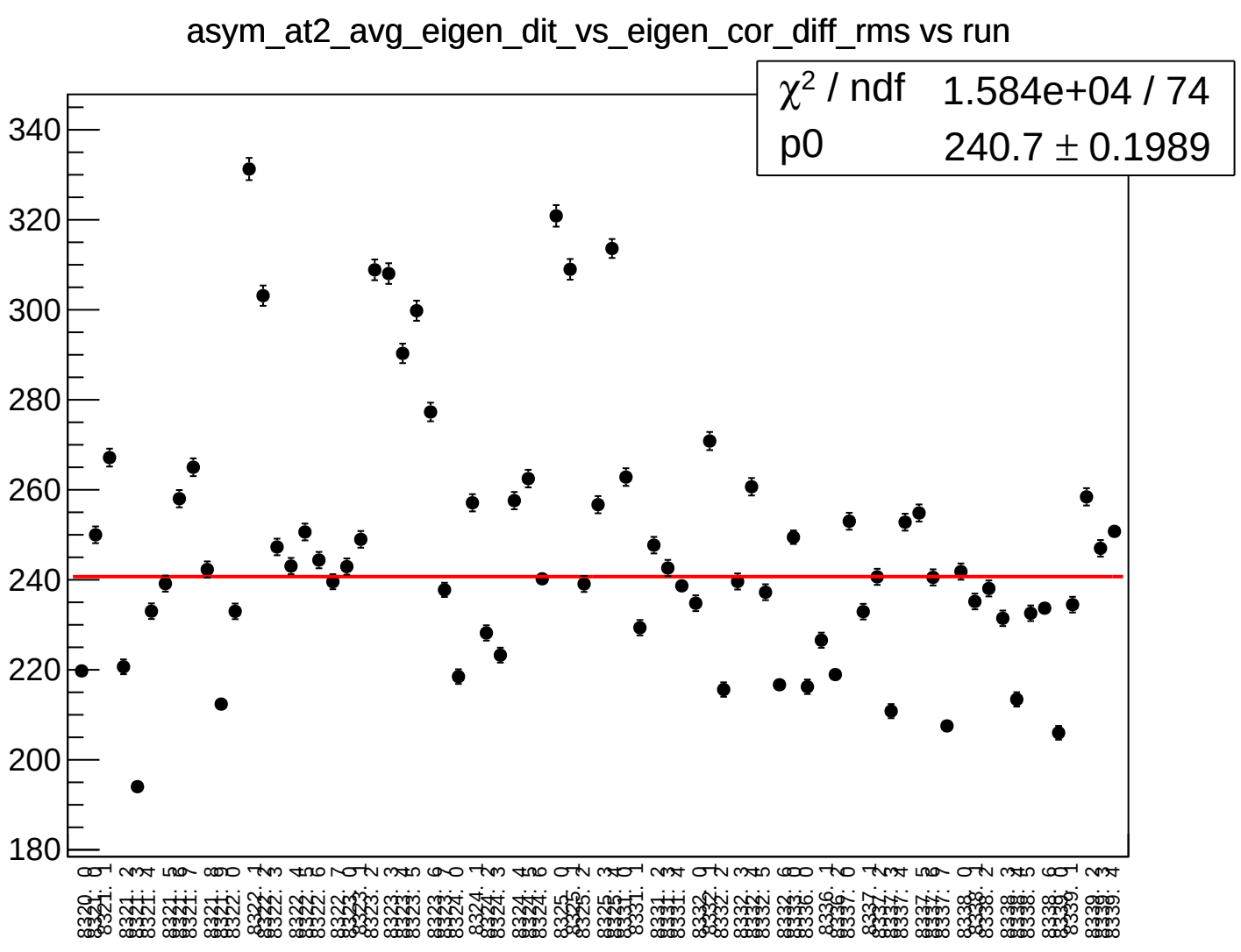

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.381e+04 / 74
p0 0.008736 ± 7.214e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075

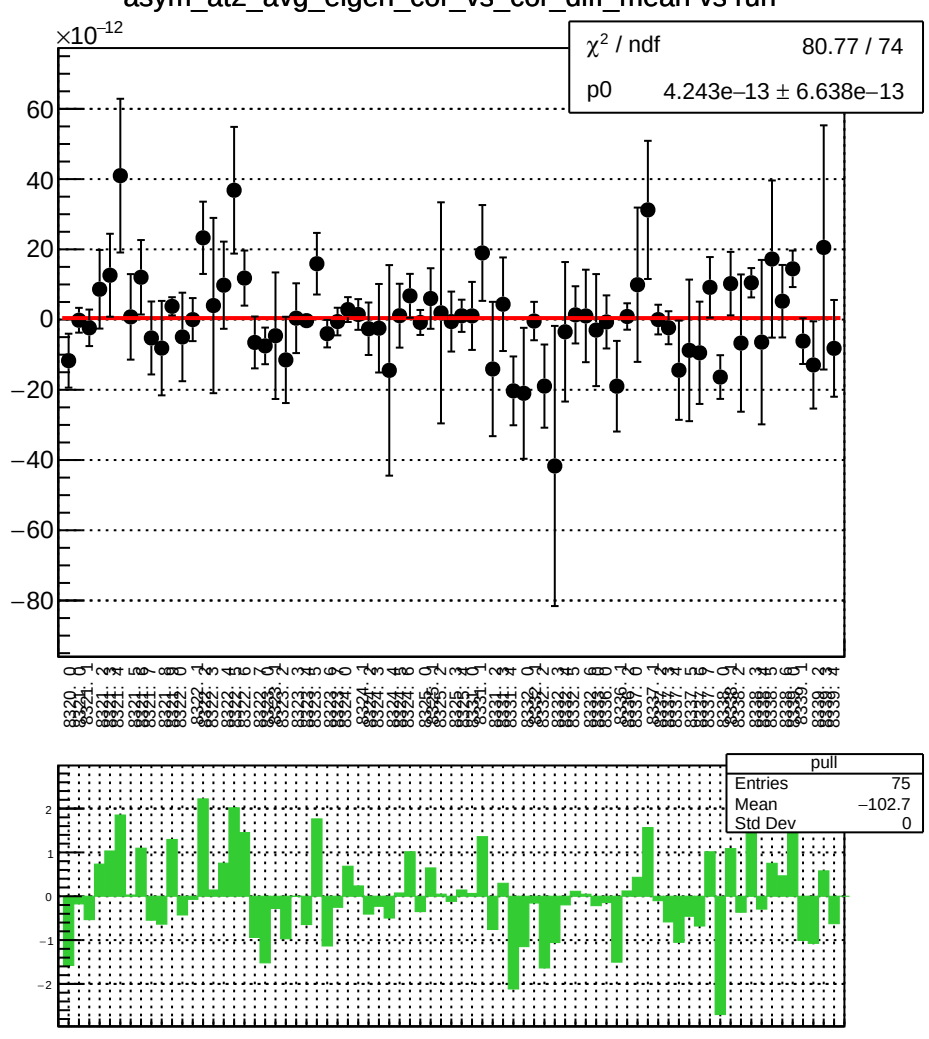

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 70.71 / 74
p0 −0.112 ± 0.2813
pull
Entries 75
Mean 93.6
Std Dev 0

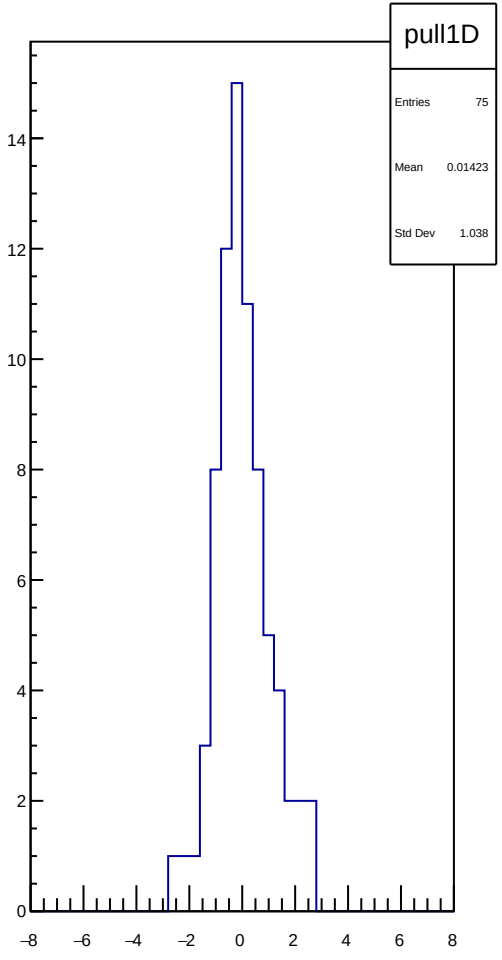

pull1D
Entries 75
Mean 0.01925
Std Dev 0.9708

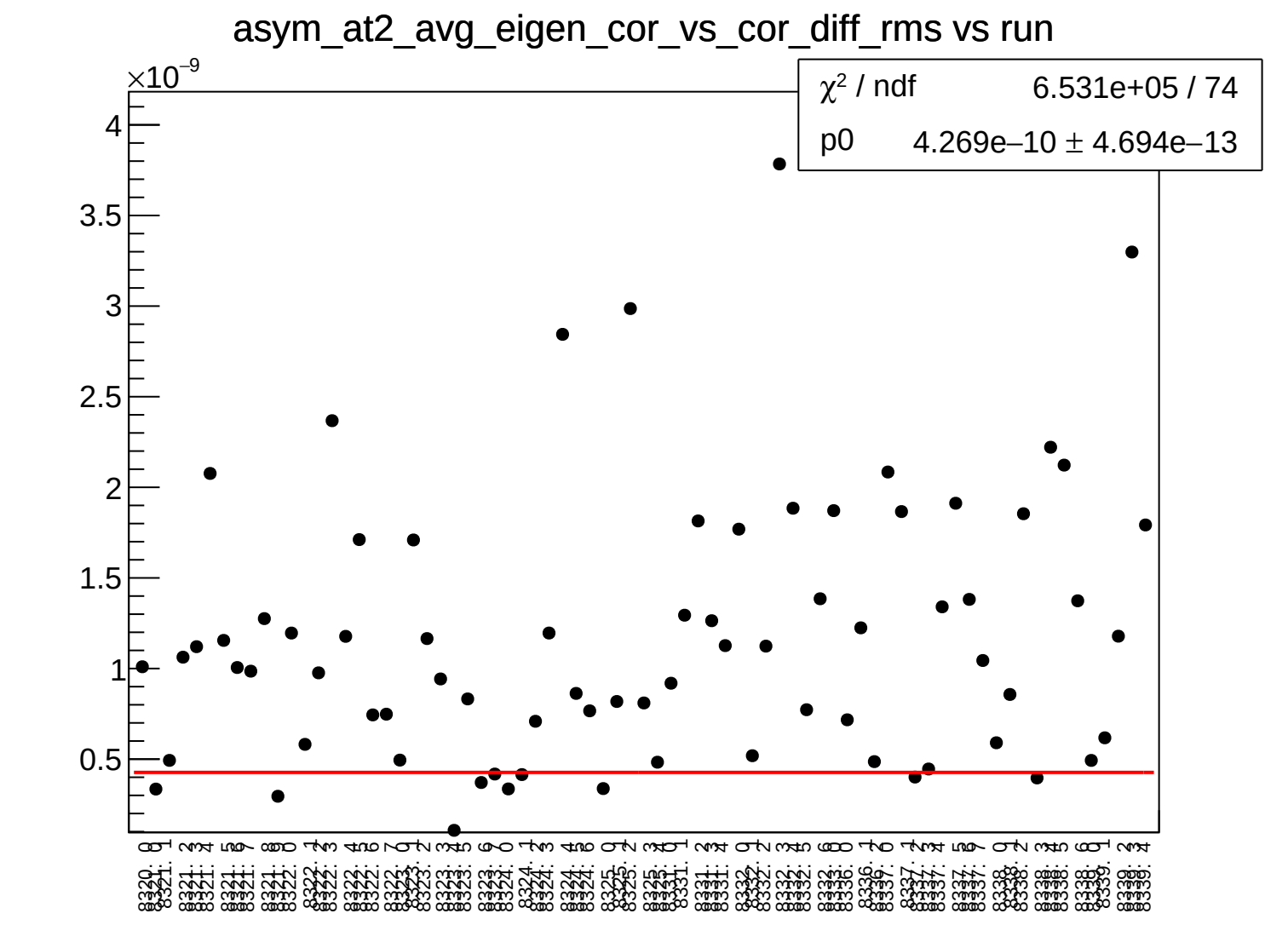

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 74
p0 240.7 ± 0.1989
340
320
300
280
260
240
220
200
180

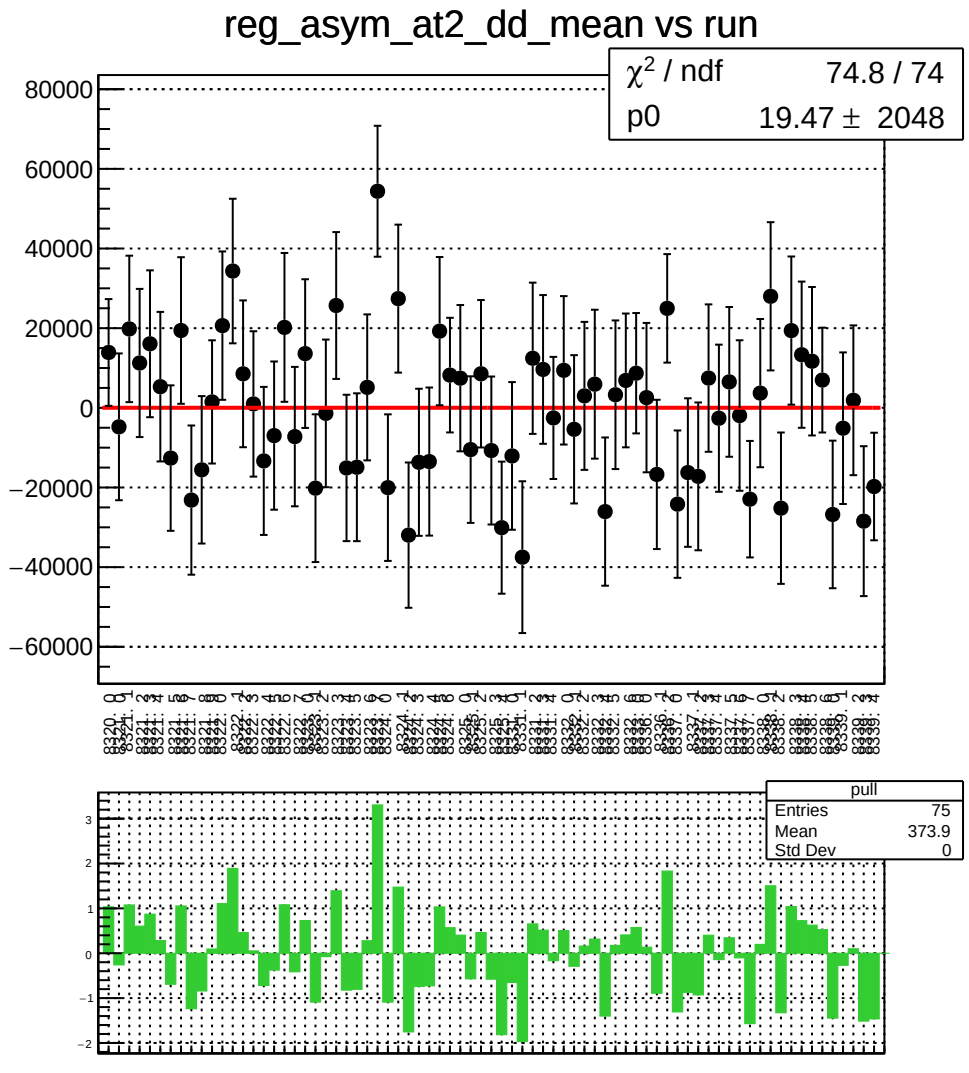

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 70.71 / 74
p0 −0.112 ± 0.2813
pull
Entries 75
Mean 93.6
Std Dev 0
pull1D
Entries 75
Mean 0.01925
Std Dev 0.9708

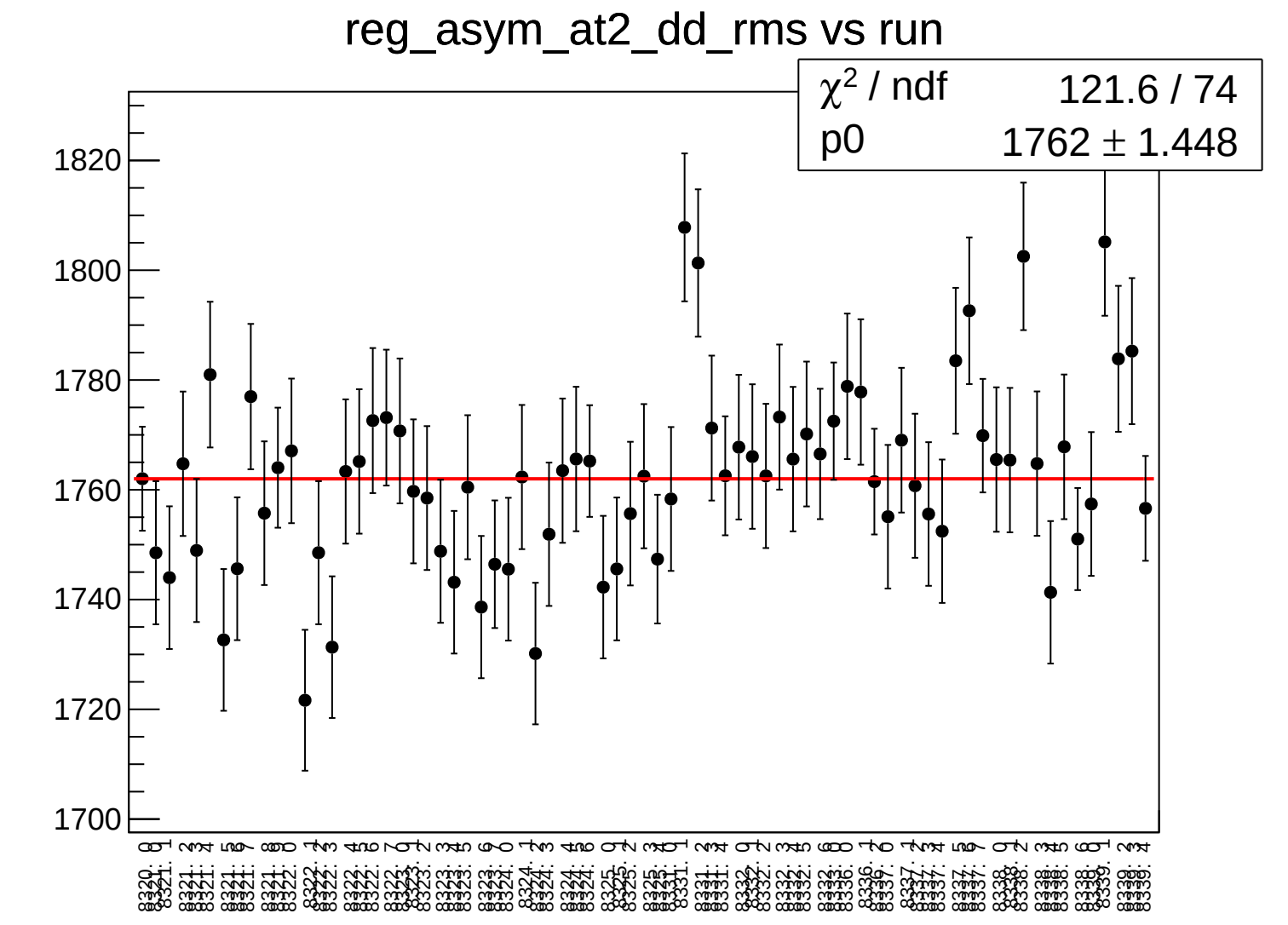

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 74
p0 240.7 ± 0.1989
340
320
300
280
260
240
220
200
180

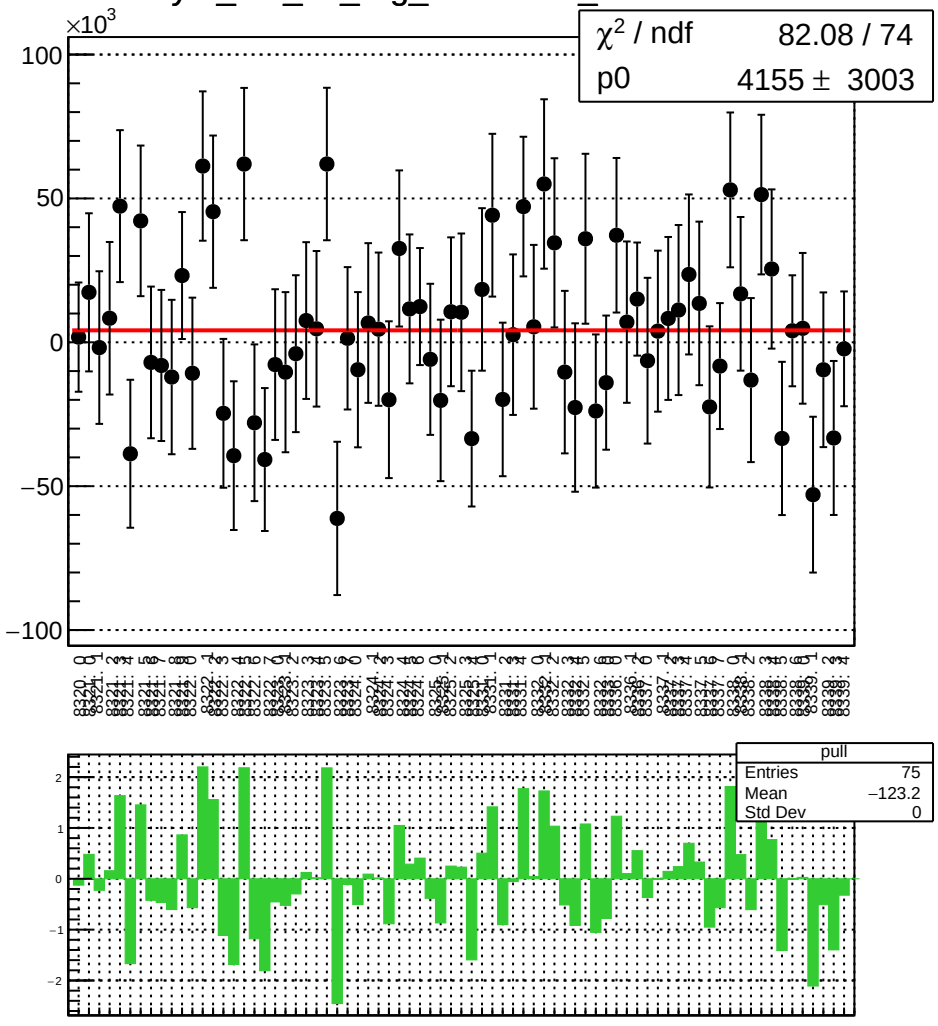

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.77 / 74
p0 4.243e−13 ± 6.638e−13
pull
Entries 75
Mean −102.7
Std Dev 0

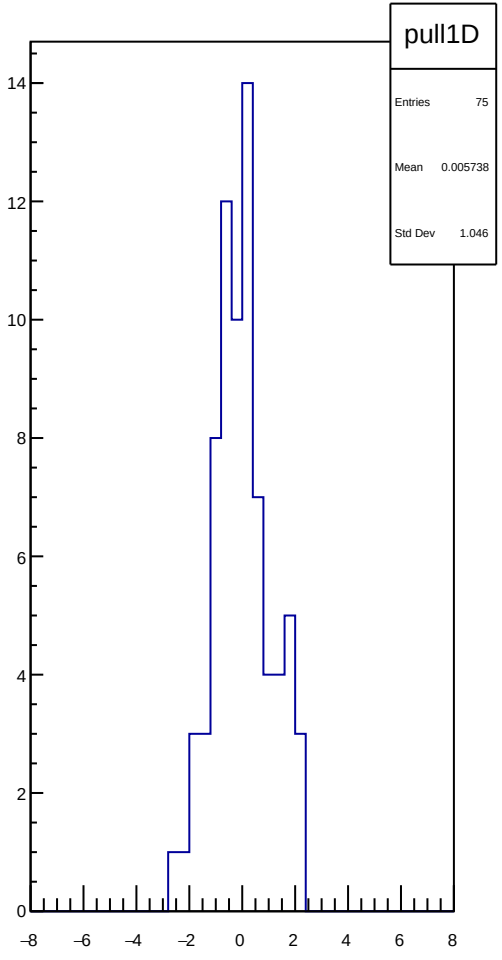

pull1D
Entries 75
Mean 0.01423
Std Dev 1.038

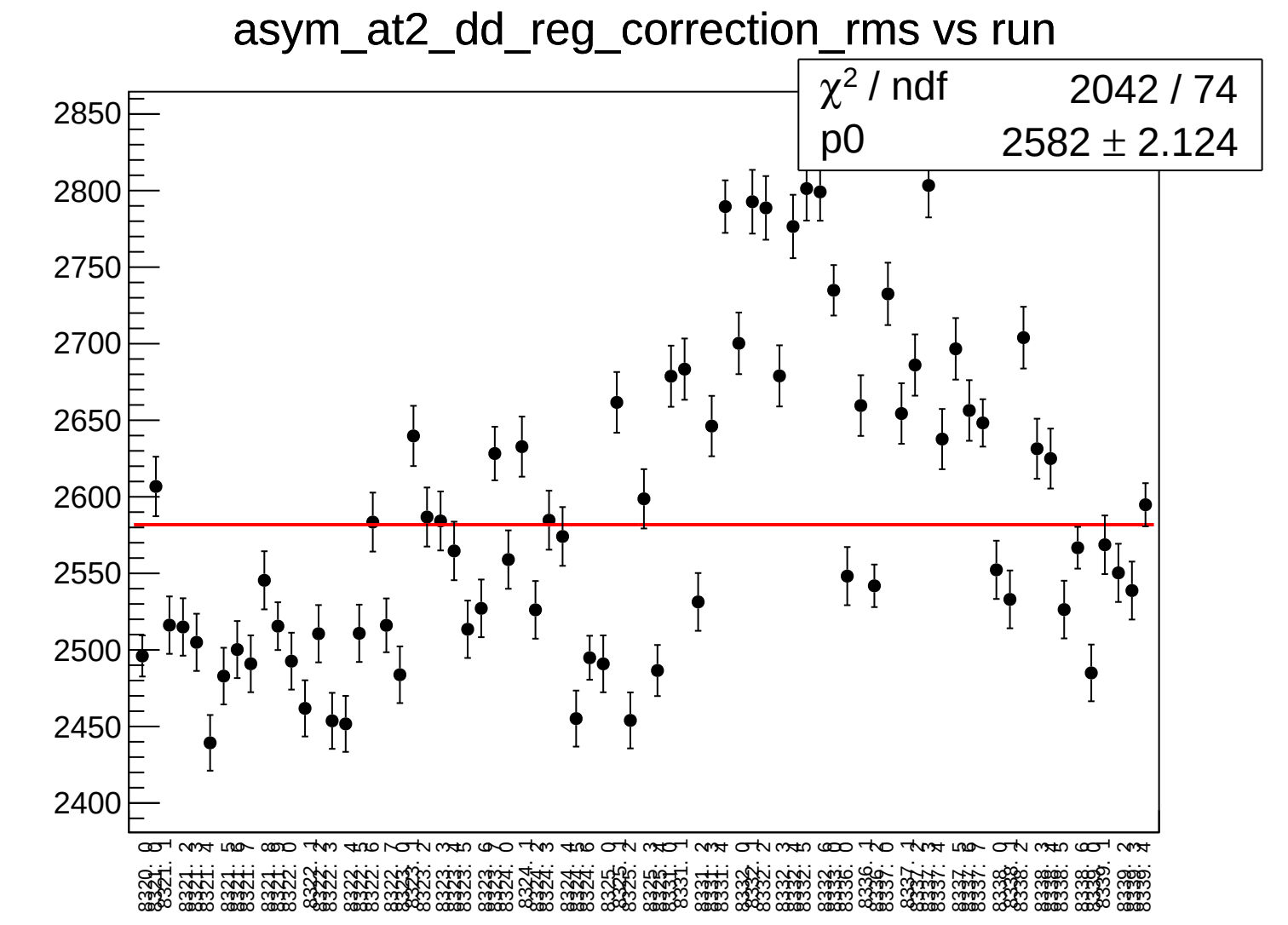

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.531e+05 / 74
p0 4.269e−10 ± 4.694e−13
4
3.5
3
2.5
2
1.5
1
0.5

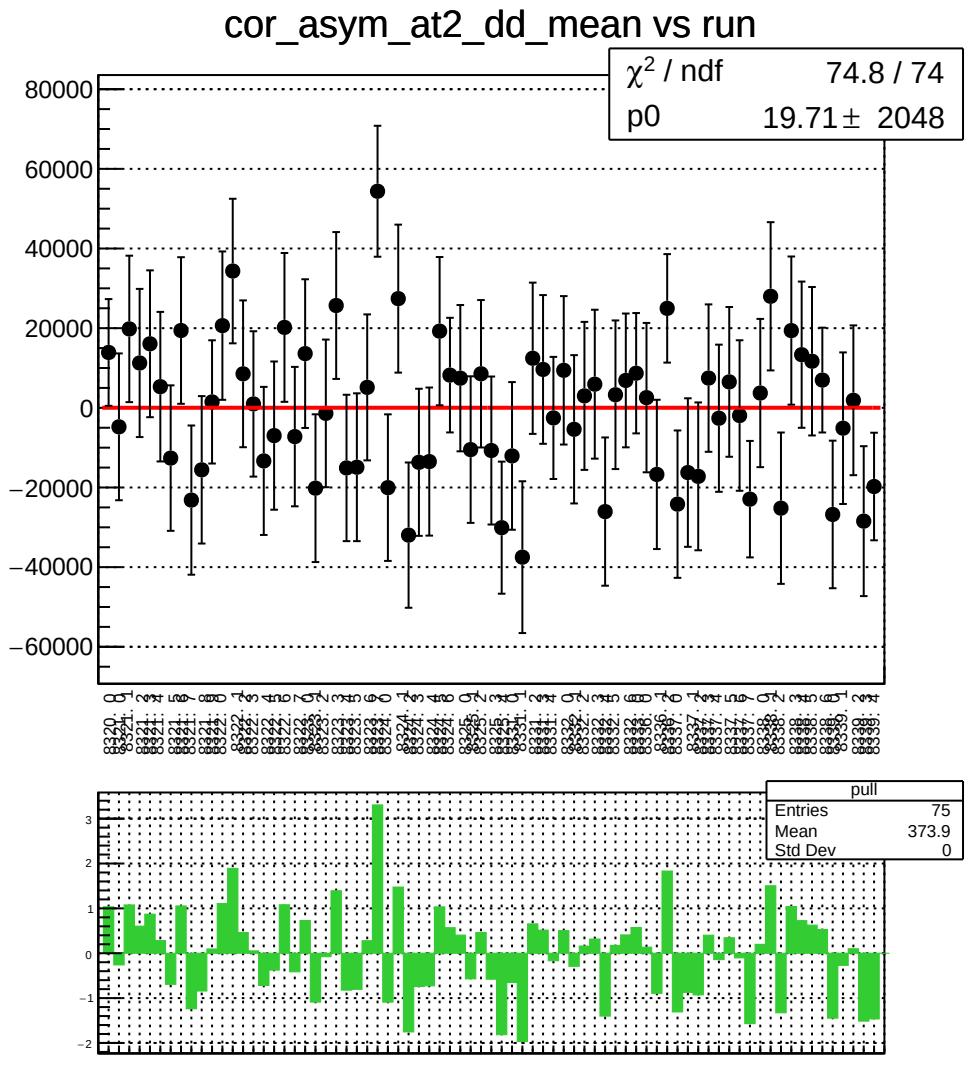

reg_asym_at2_dd_mean vs run
χ² / ndf 74.8 / 74
p0 19.47 ± 2048
pull
Entries 75
Mean 373.9
Std Dev 0
pull1D
Entries 75
Mean −0.0122
Std Dev 0.9986

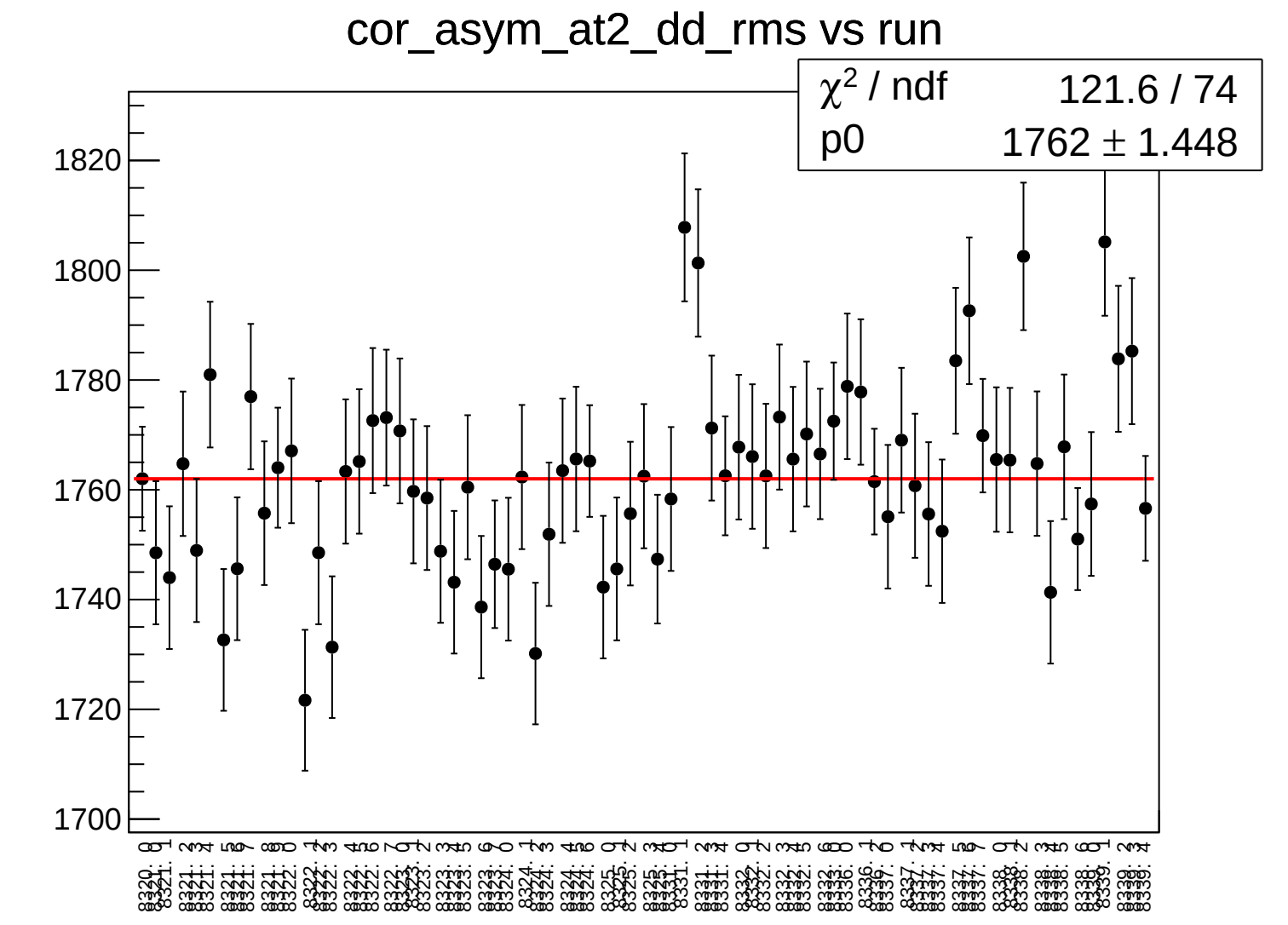

reg_asym_at2_dd_rms vs run
χ^2 / ndf 121.6 / 74
p0 1762 ± 1.448
1820
1800
1780
1760
1740
1720
1700

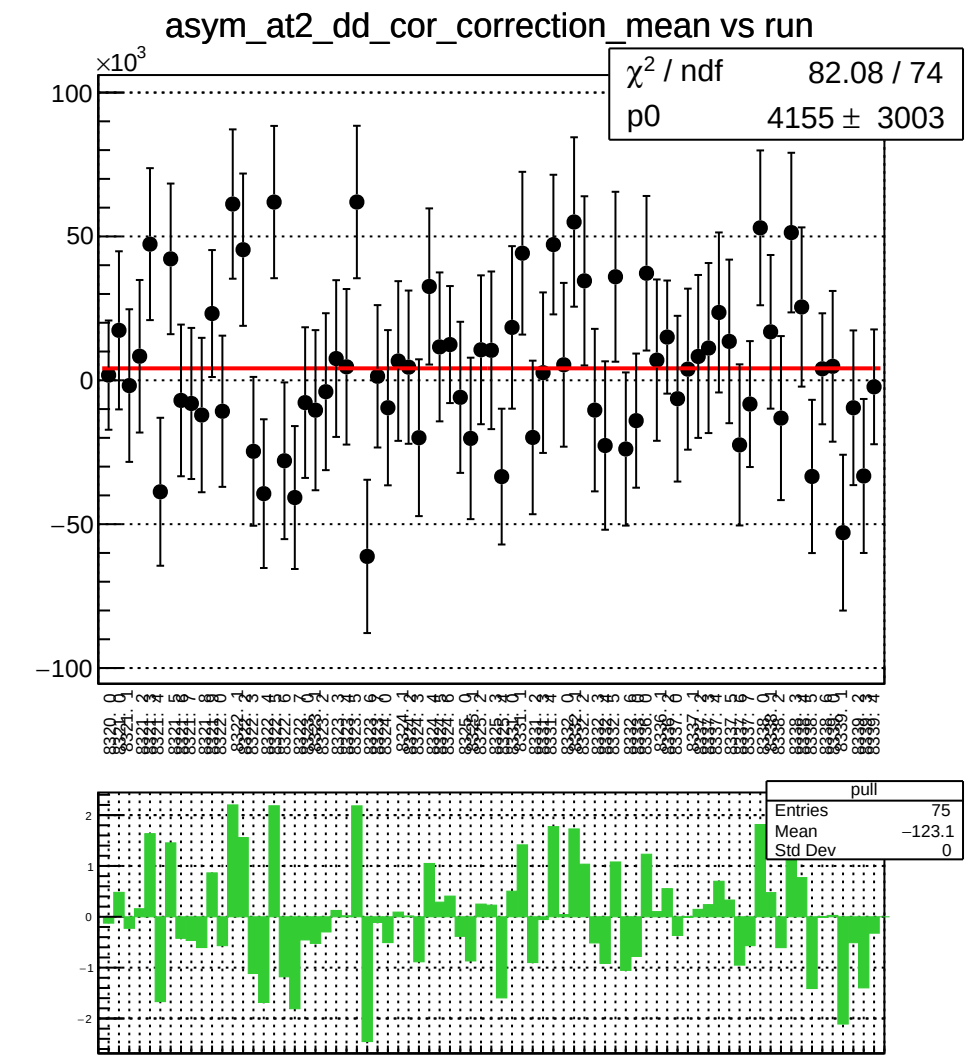

asym_at2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 82.08 / 74
p0 4155 ± 3003
100
50
0
−50
−100
pull
Entries 75
Mean −123.2
Std Dev 0
2
1
0
−1
−2

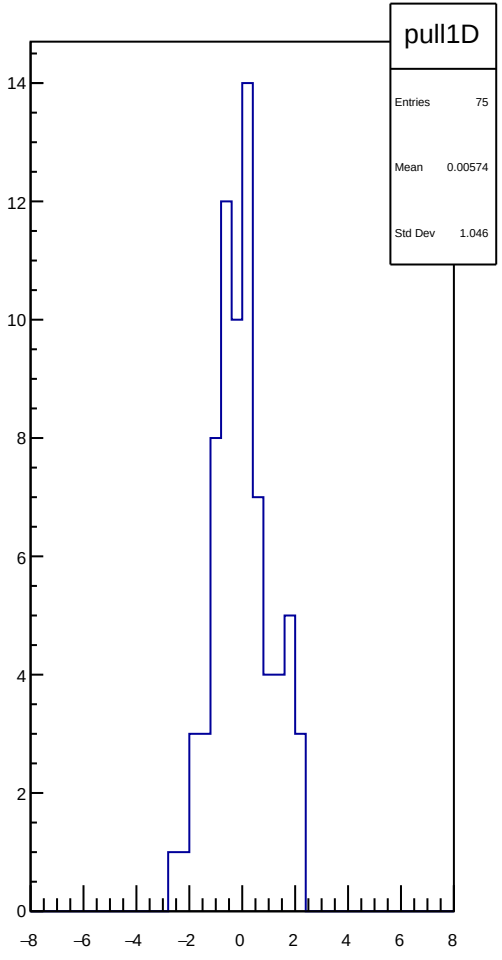

pull1D
Entries 75
Mean 0.005738
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

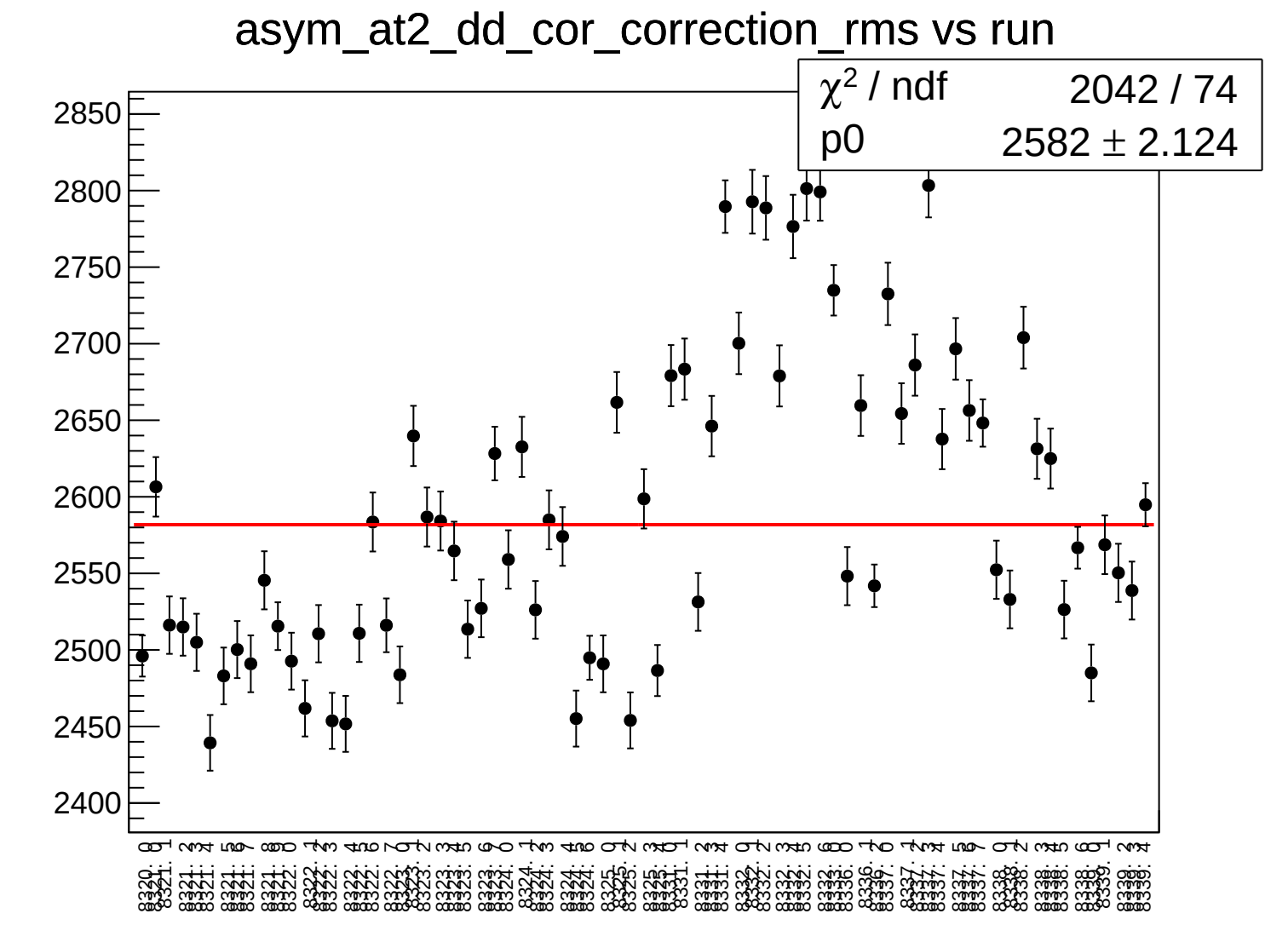

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 2042 / 74
p0 2582 ± 2.124
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400

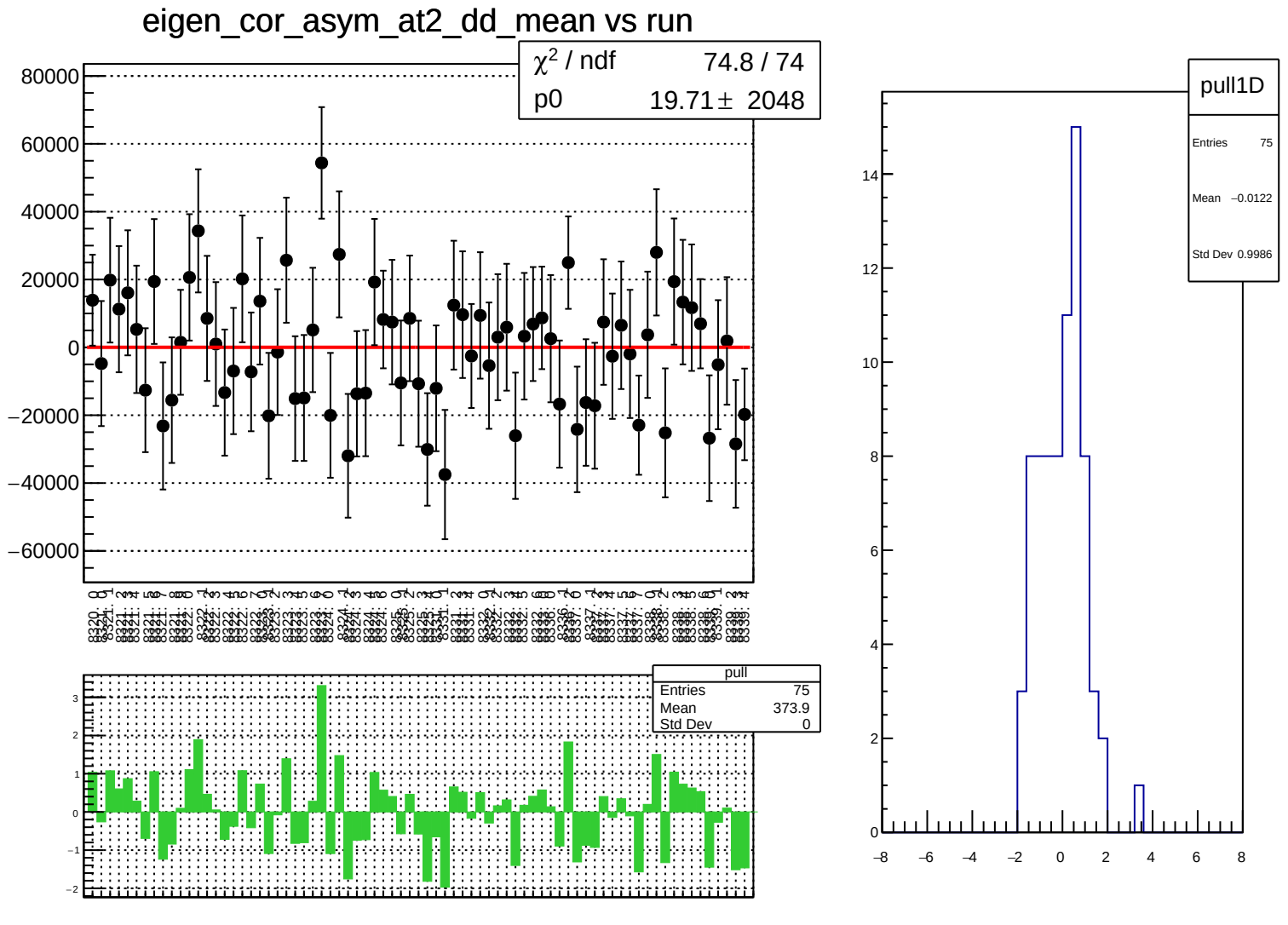

cor_asym_at2_dd_mean vs run
χ² / ndf 74.8 / 74
p0 19.71 ± 2048
pull
Entries 75
Mean 373.9
Std Dev 0
pull1D
Entries 75
Mean −0.0122
Std Dev 0.9986

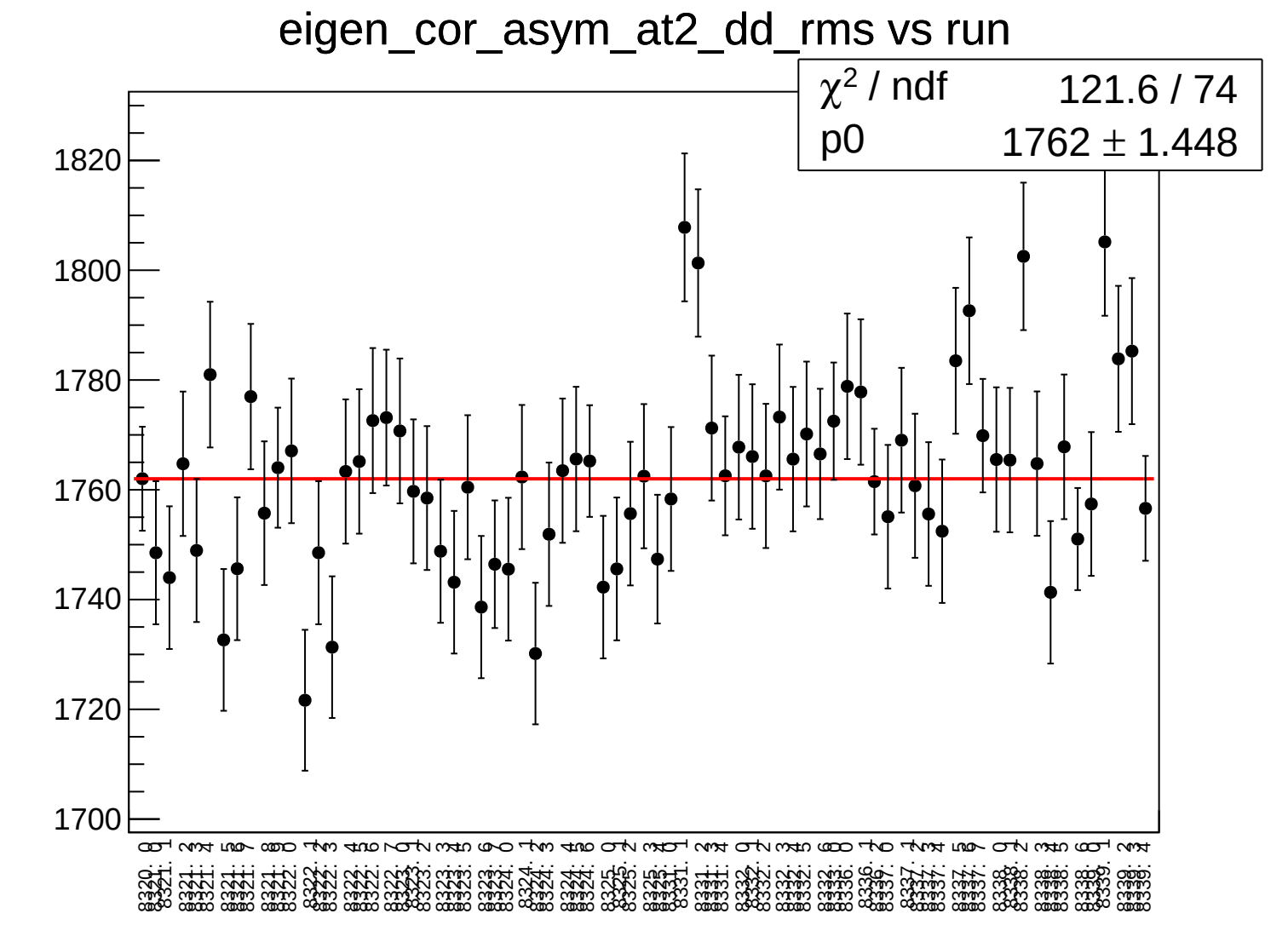

cor_asym_at2_dd_rms vs run
χ^2 / ndf 121.6 / 74
p0 1762 ± 1.448
1820
1800
1780
1760
1740
1720
1700

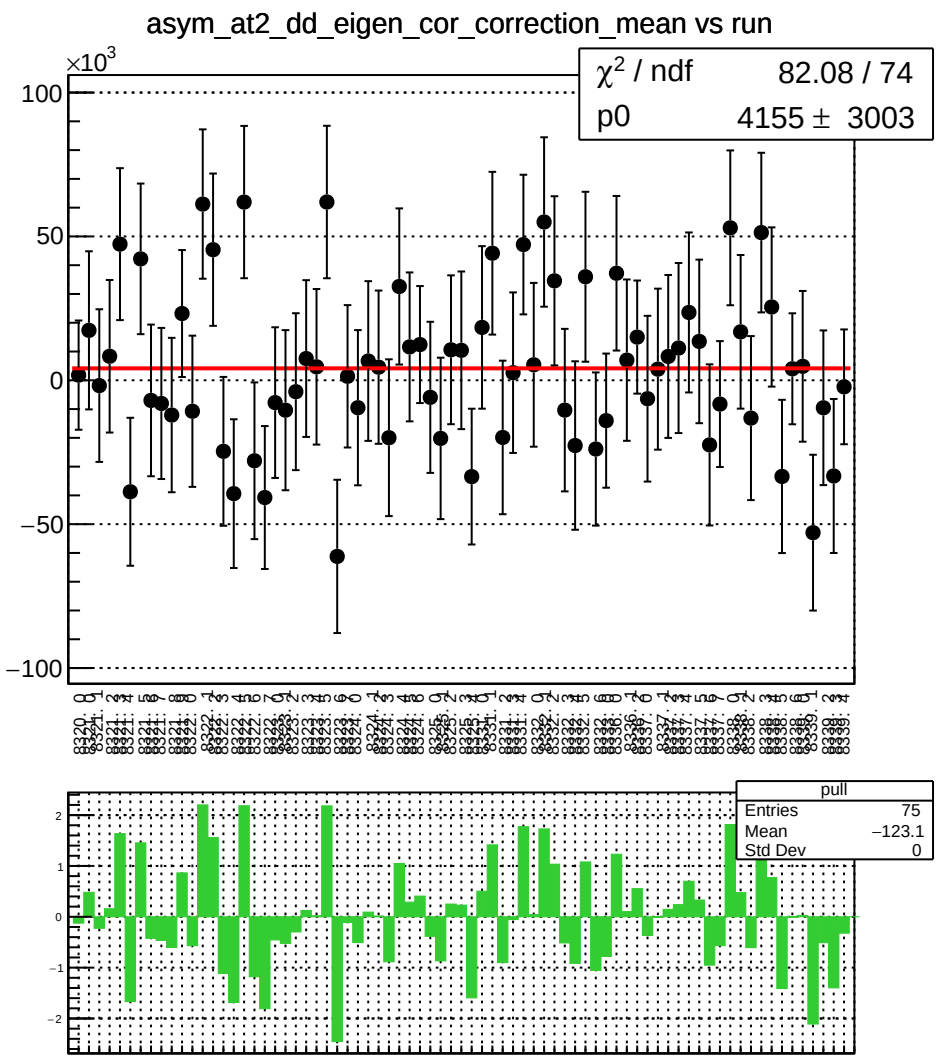

asym_at2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 82.08 / 74
p0 4155 ± 3003
100
50
0
−50
−100
pull
Entries 75
Mean −123.1
Std Dev 0
2
1
0
−1
−2

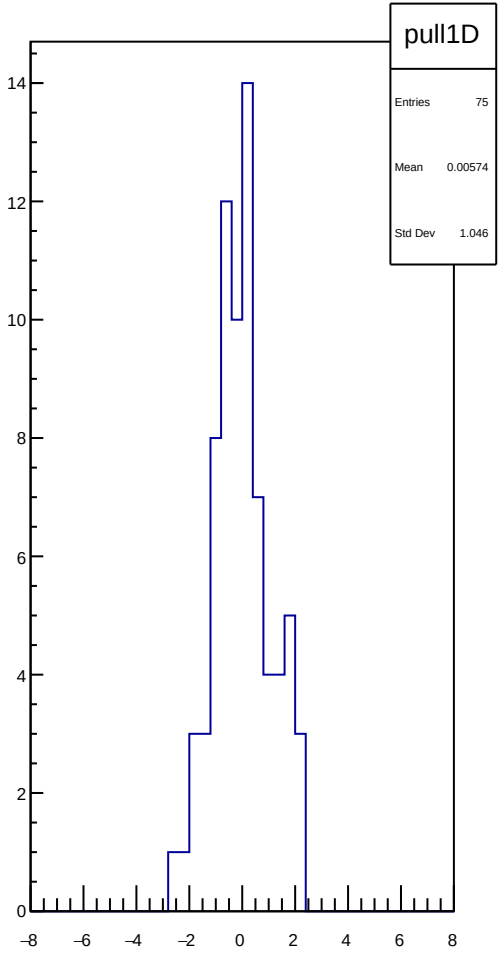

pull1D
Entries 75
Mean 0.00574
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

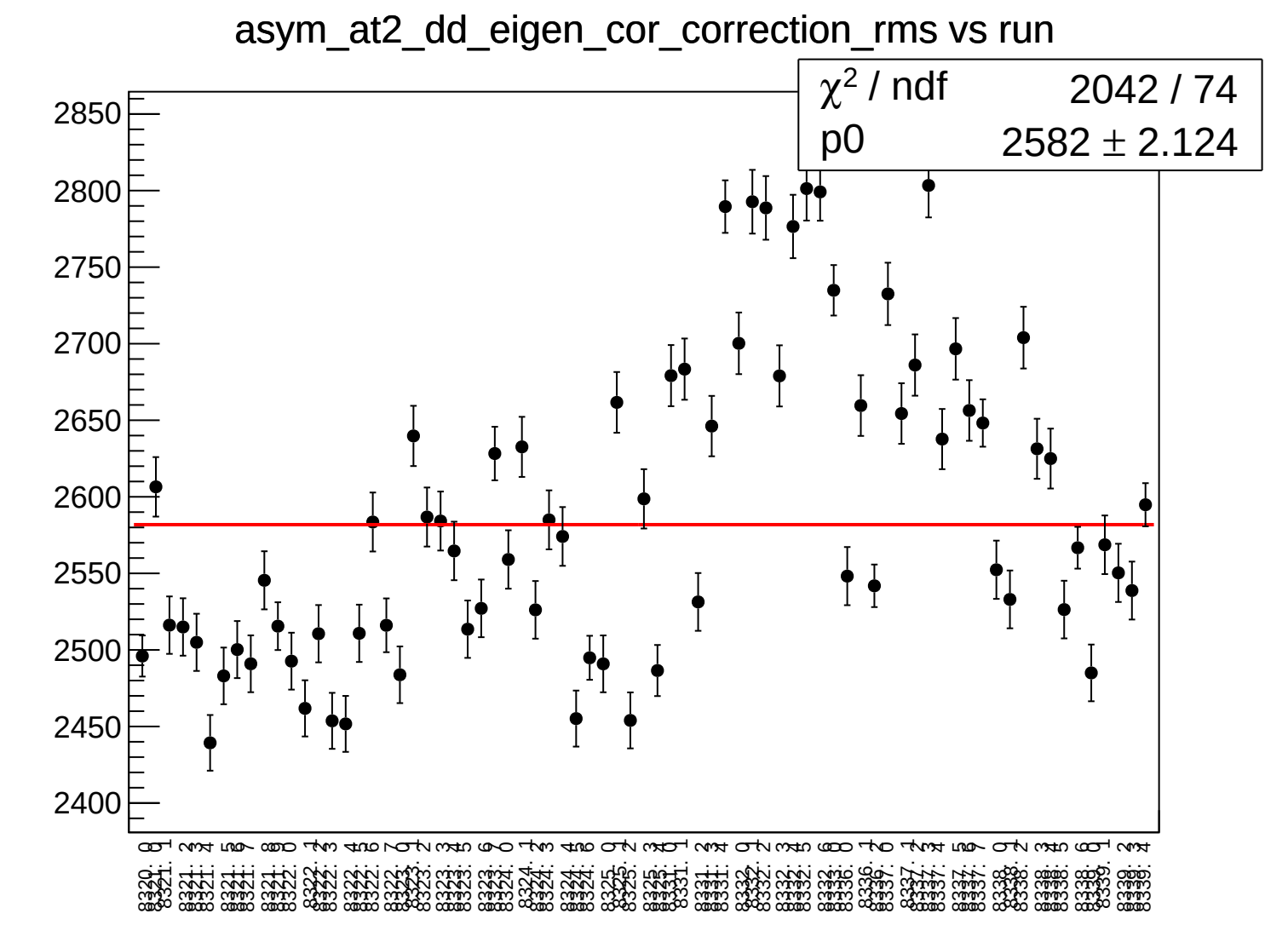

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 2042 / 74
p0 2582 ± 2.124
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400

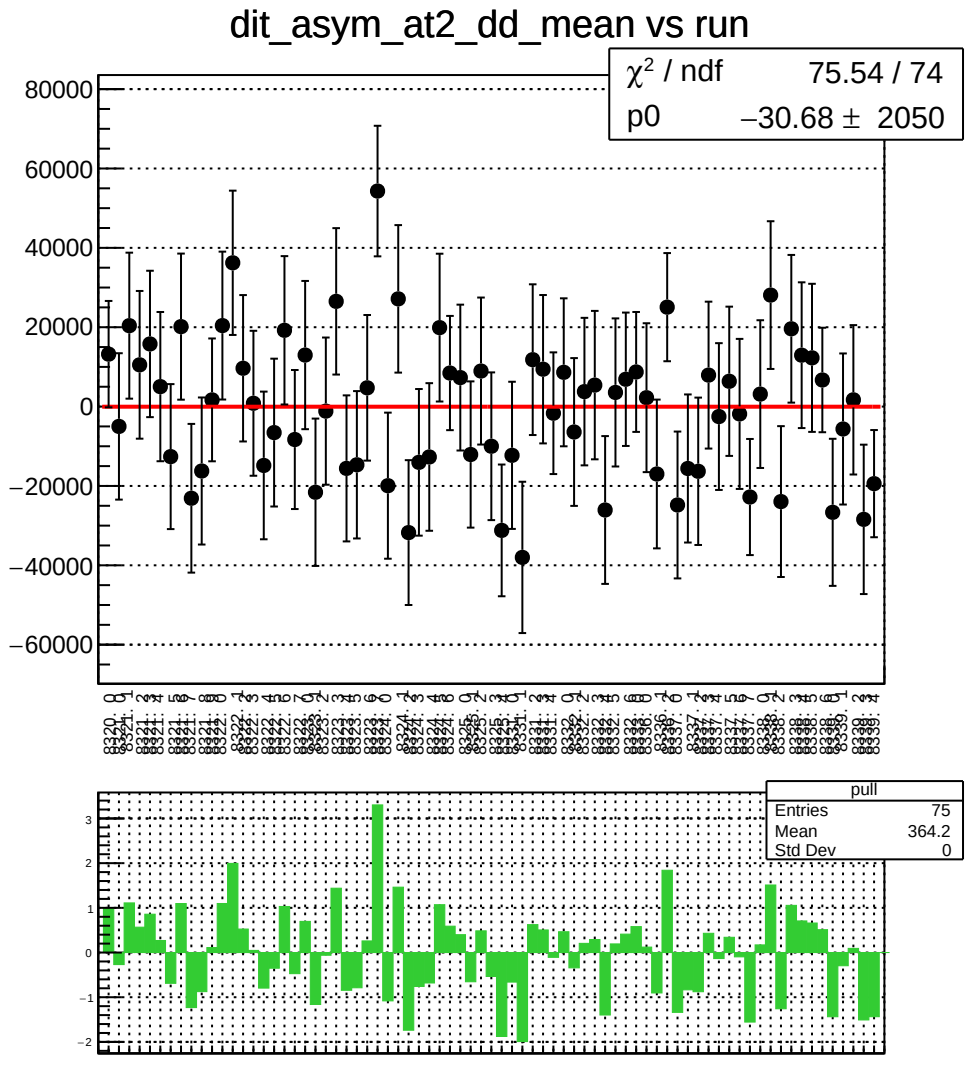

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 74.8 / 74
p0 19.71 ± 2048
pull
Entries 75
Mean 373.9
Std Dev 0
pull1D
Entries 75
Mean −0.0122
Std Dev 0.9986

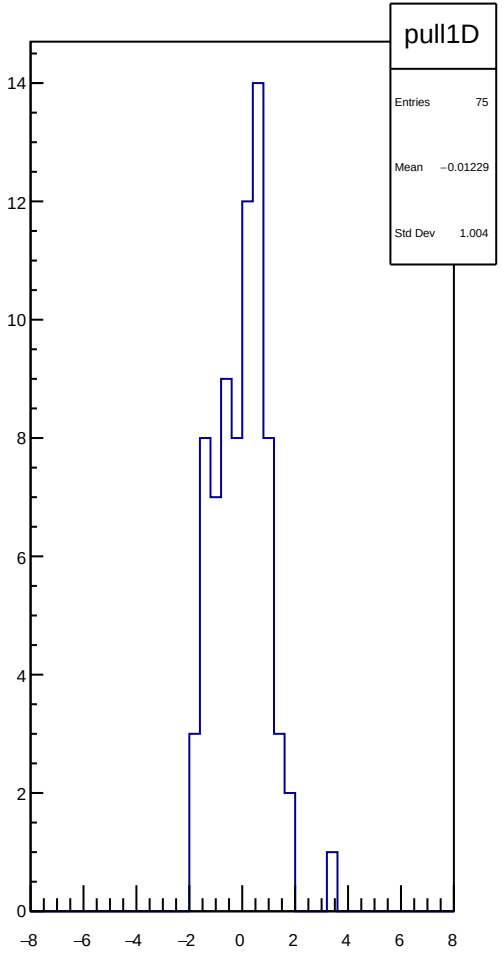

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 121.6 / 74
p0 1762 ± 1.448
1820
1800
1780
1760
1740
1720
1700

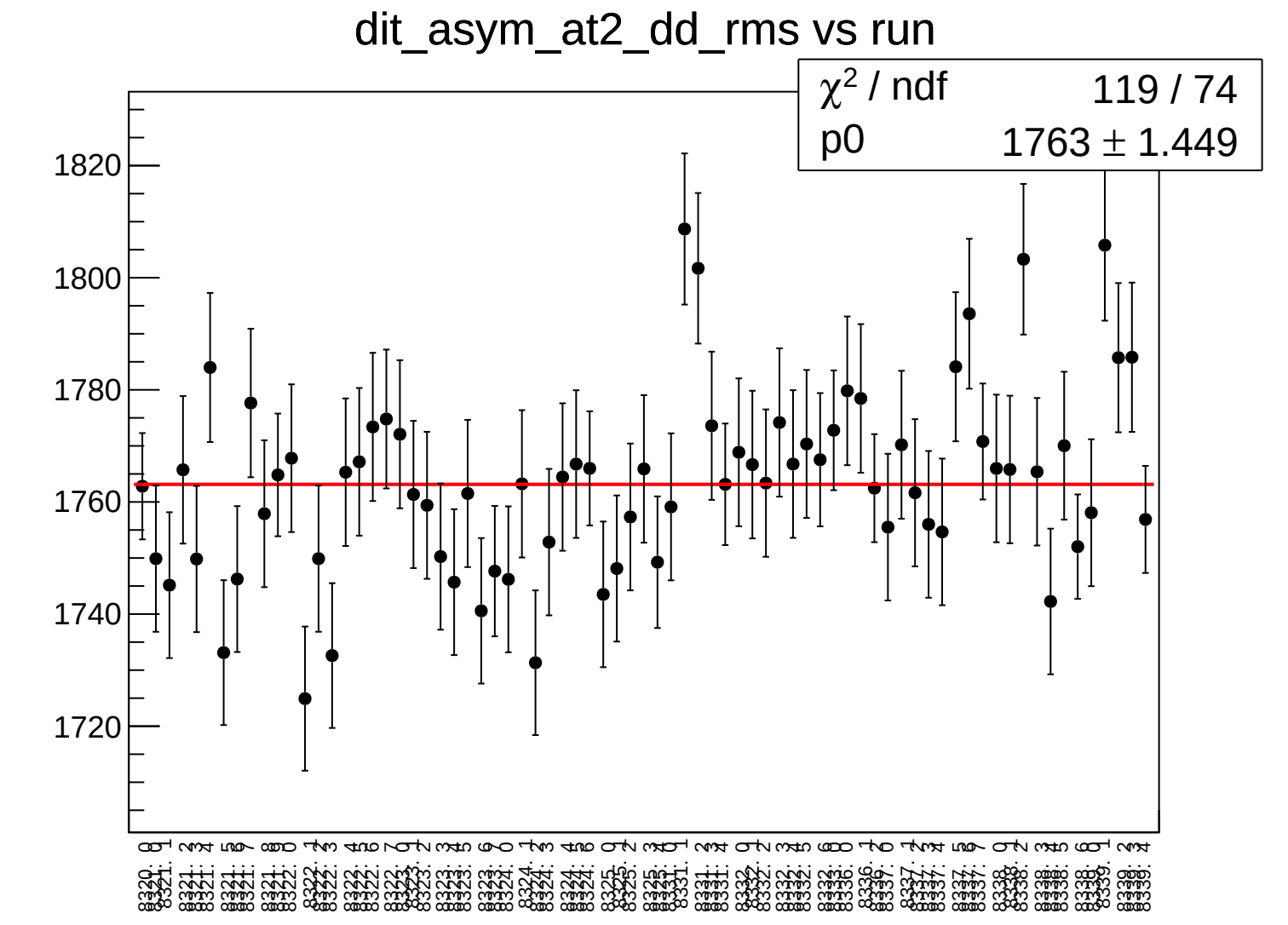

asym_at2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 82.08 / 74
p0 4155 ± 3003
pull
Entries 75
Mean −123.1
Std Dev 0

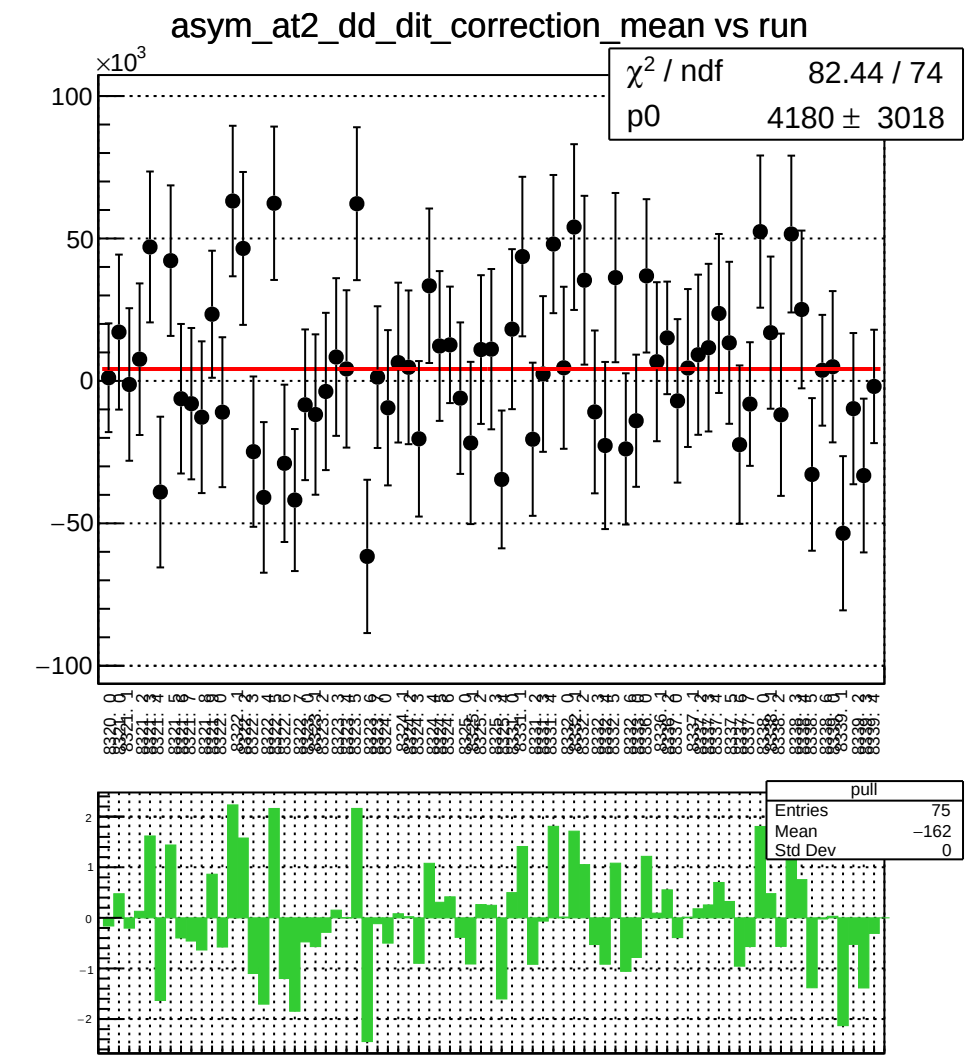

pull1D
Entries 75
Mean 0.00574
Std Dev 1.046

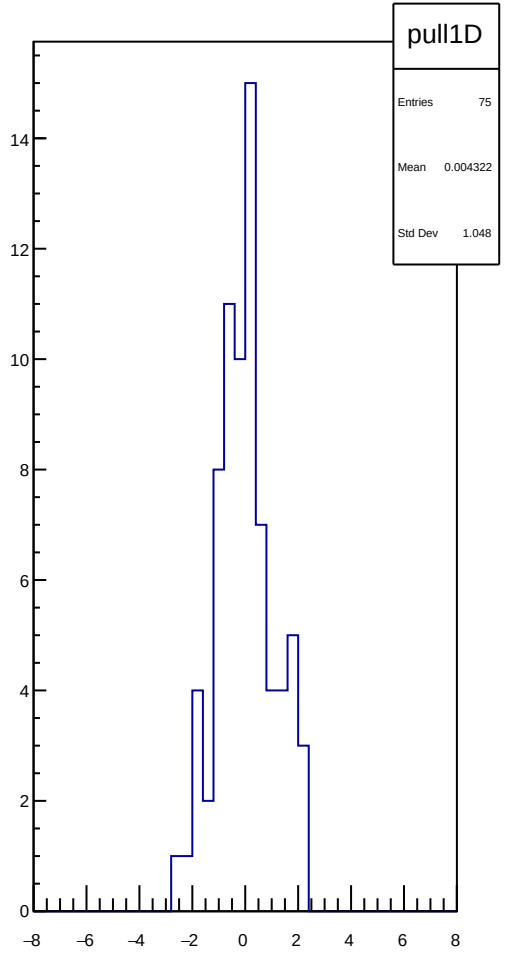

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2042 / 74
p0 2582 ± 2.124
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400

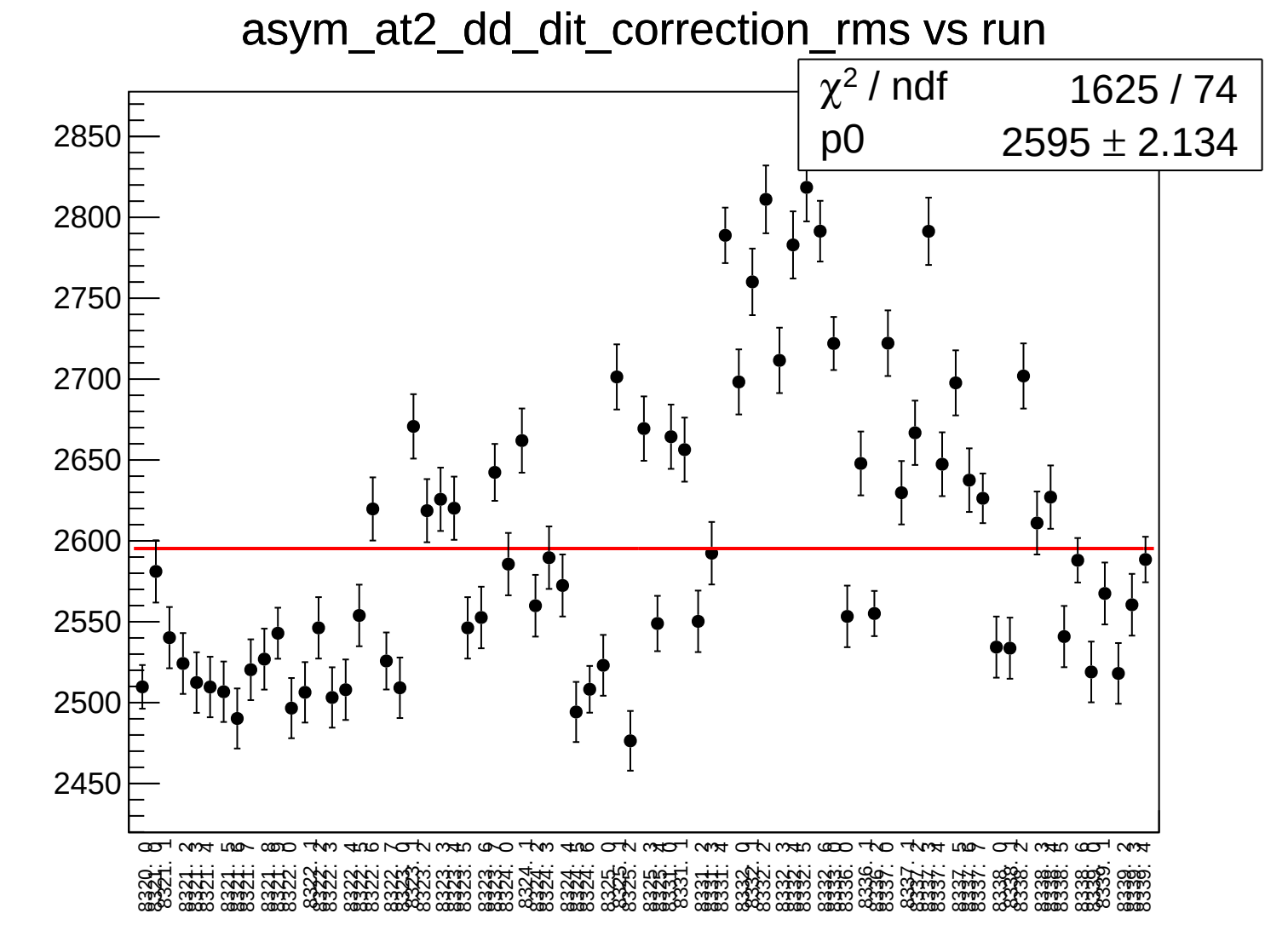

dit_asym_at2_dd_mean vs run
χ² / ndf 75.54 / 74
p0 −30.68 ± 2050
pull
Entries 75
Mean 364.2
Std Dev 0

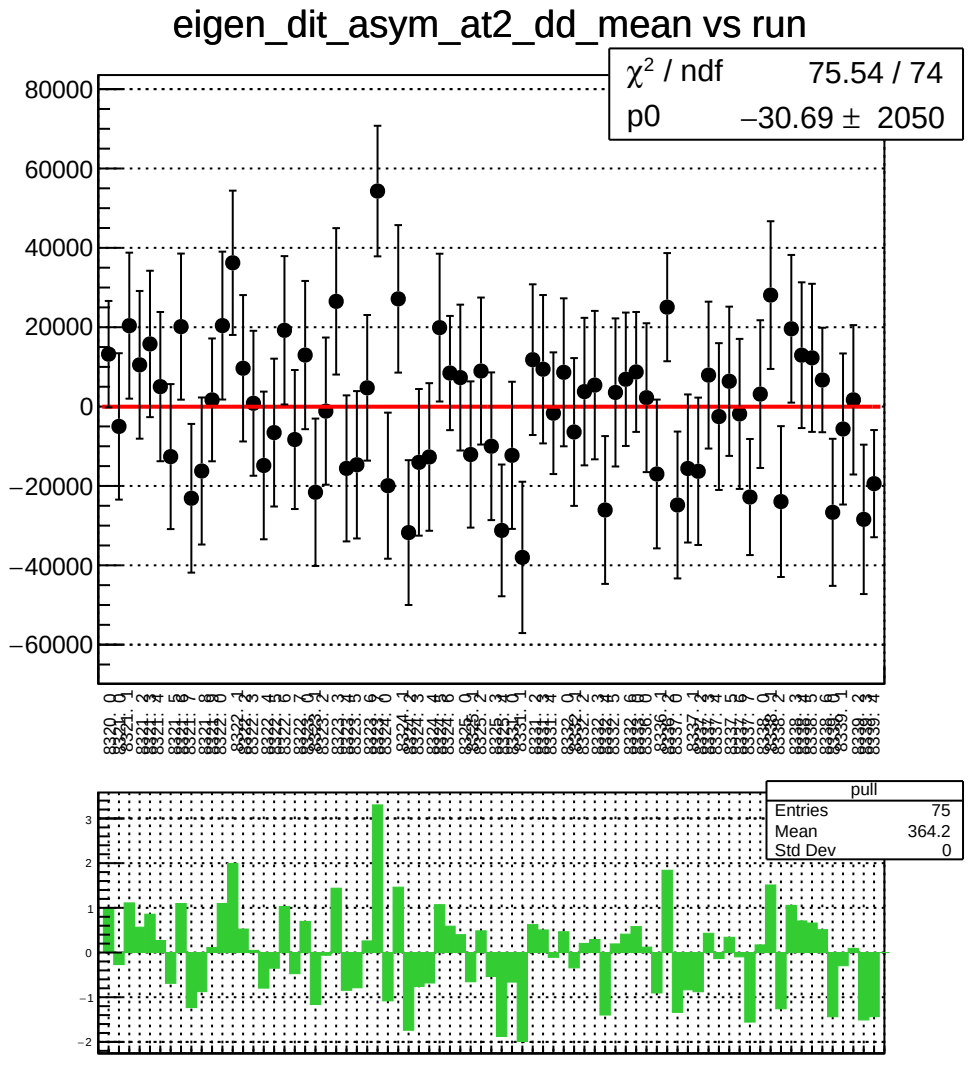

pull1D
Entries 75
Mean −0.01229
Std Dev 1.004

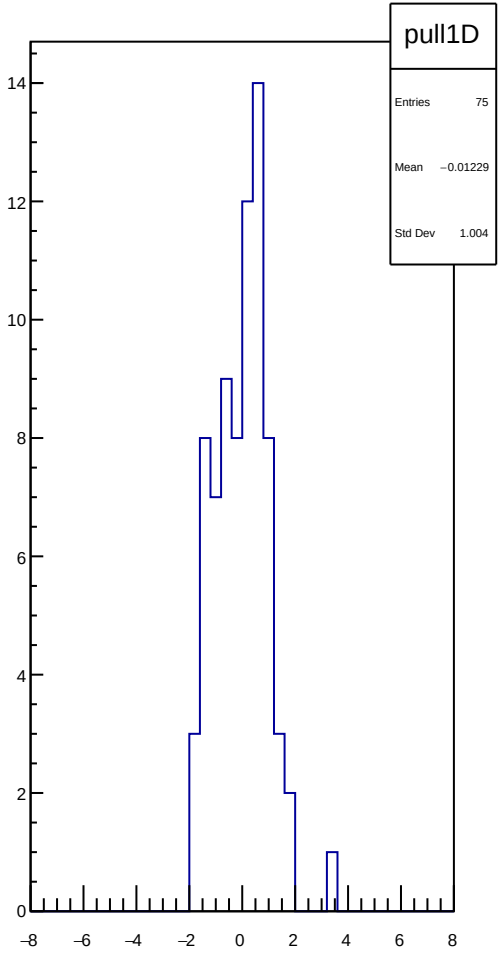

dit_asym_at2_dd_rms vs run
χ² / ndf 119 / 74
p0 1763 ± 1.449
1820
1800
1780
1760
1740
1720

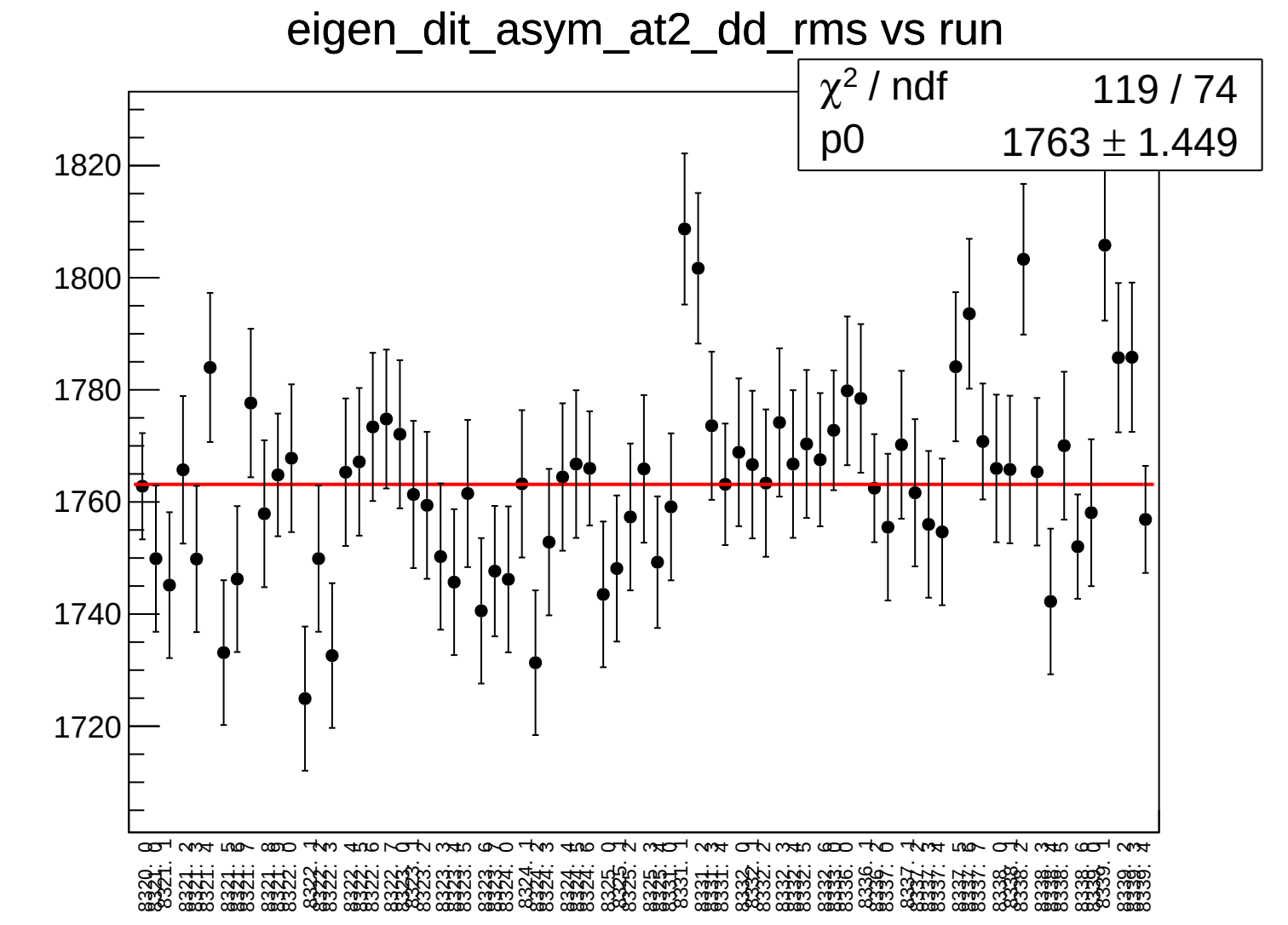

asym_at2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 82.44 / 74
p0 4180 ± 3018
100
50
0
−50
−100
pull
Entries 75
Mean −162
Std Dev 0
2
1
0
−1
−2

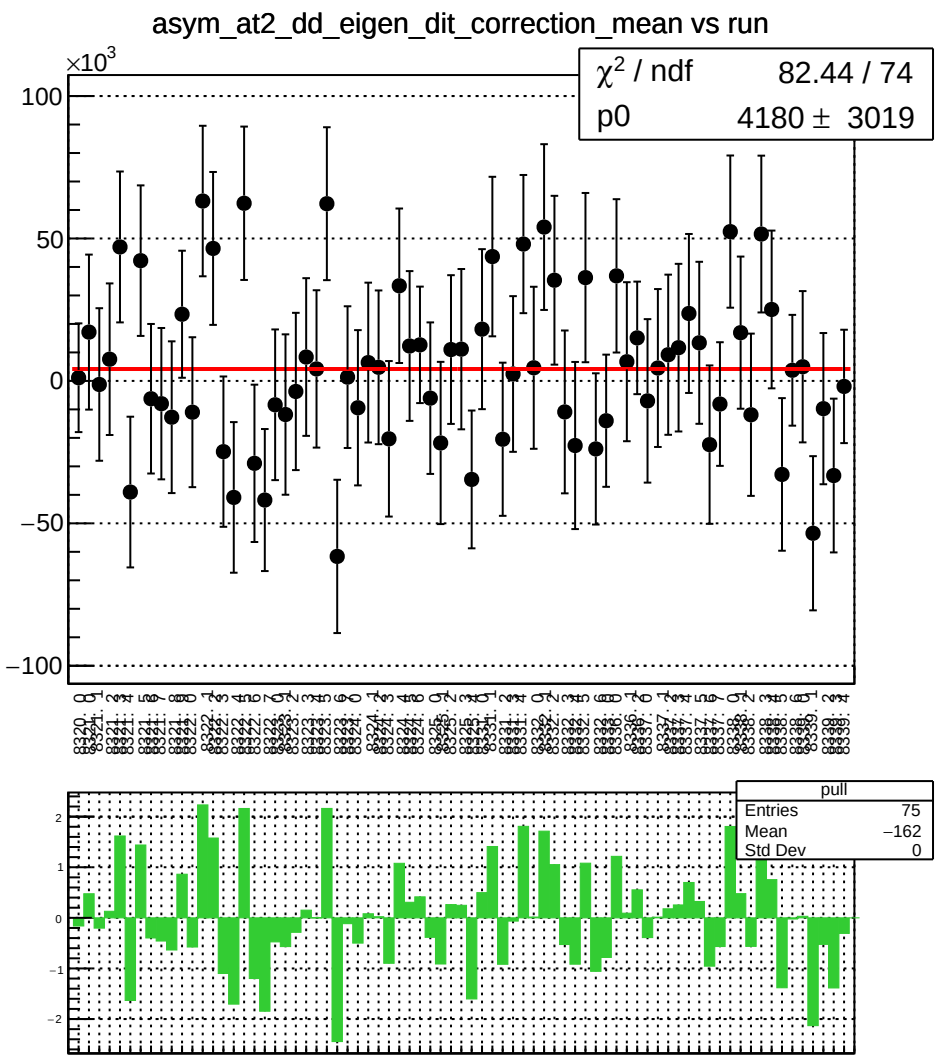

pull1D
Entries 75
Mean 0.004322
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

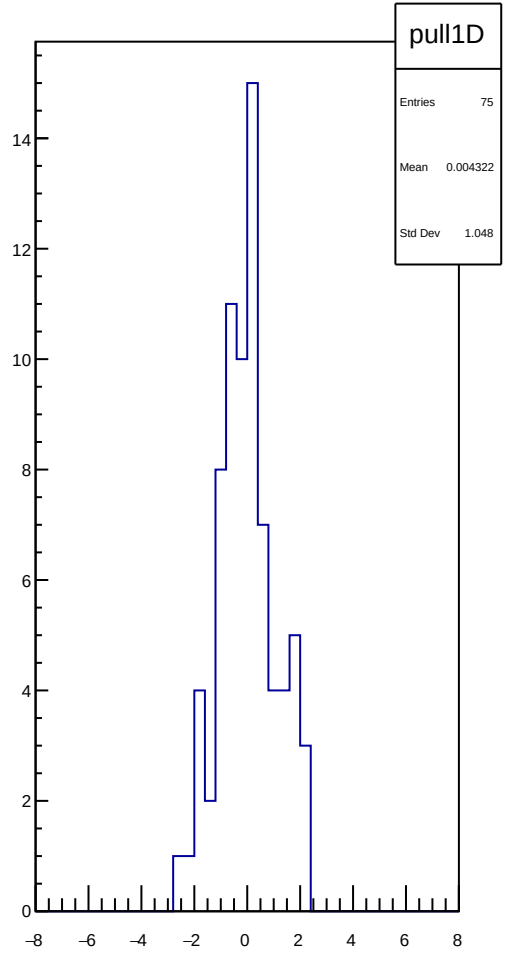

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 1625 / 74
p0 2595 ± 2.134
2850
2800
2750
2700
2650
2600
2550
2500
2450

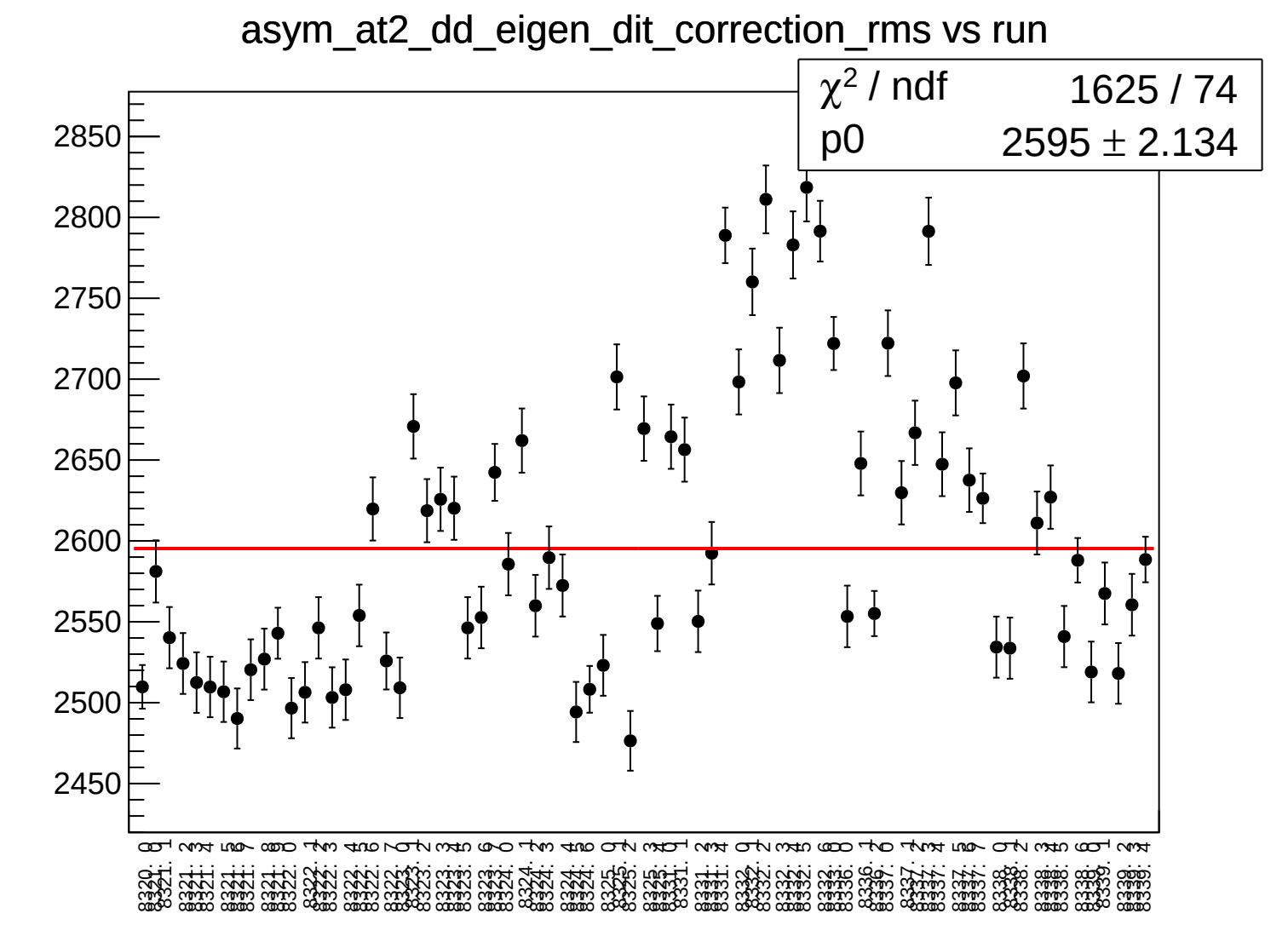

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 75.54 / 74
p0 −30.69 ± 2050
pull
Entries 75
Mean 364.2
Std Dev 0

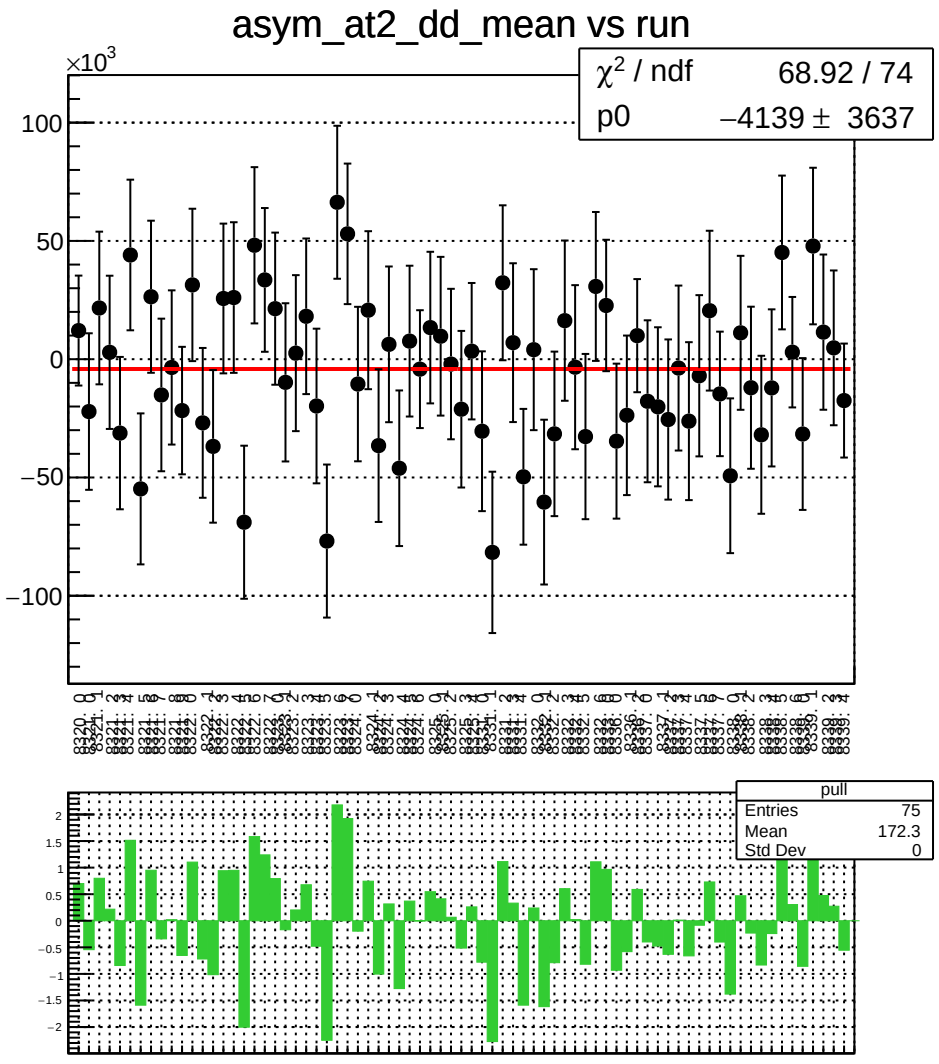

pull1D
Entries 75
Mean −0.01229
Std Dev 1.004

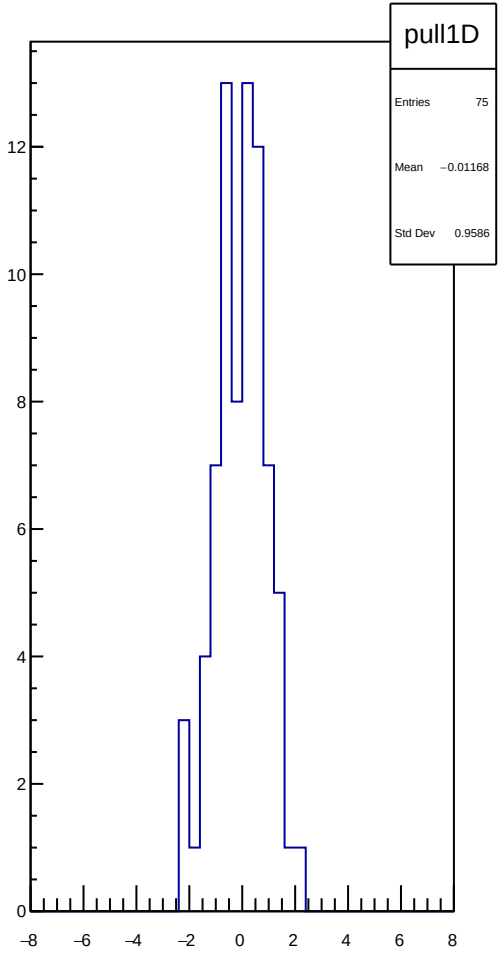

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 119 / 74
p0 1763 ± 1.449
1820
1800
1780
1760
1740
1720

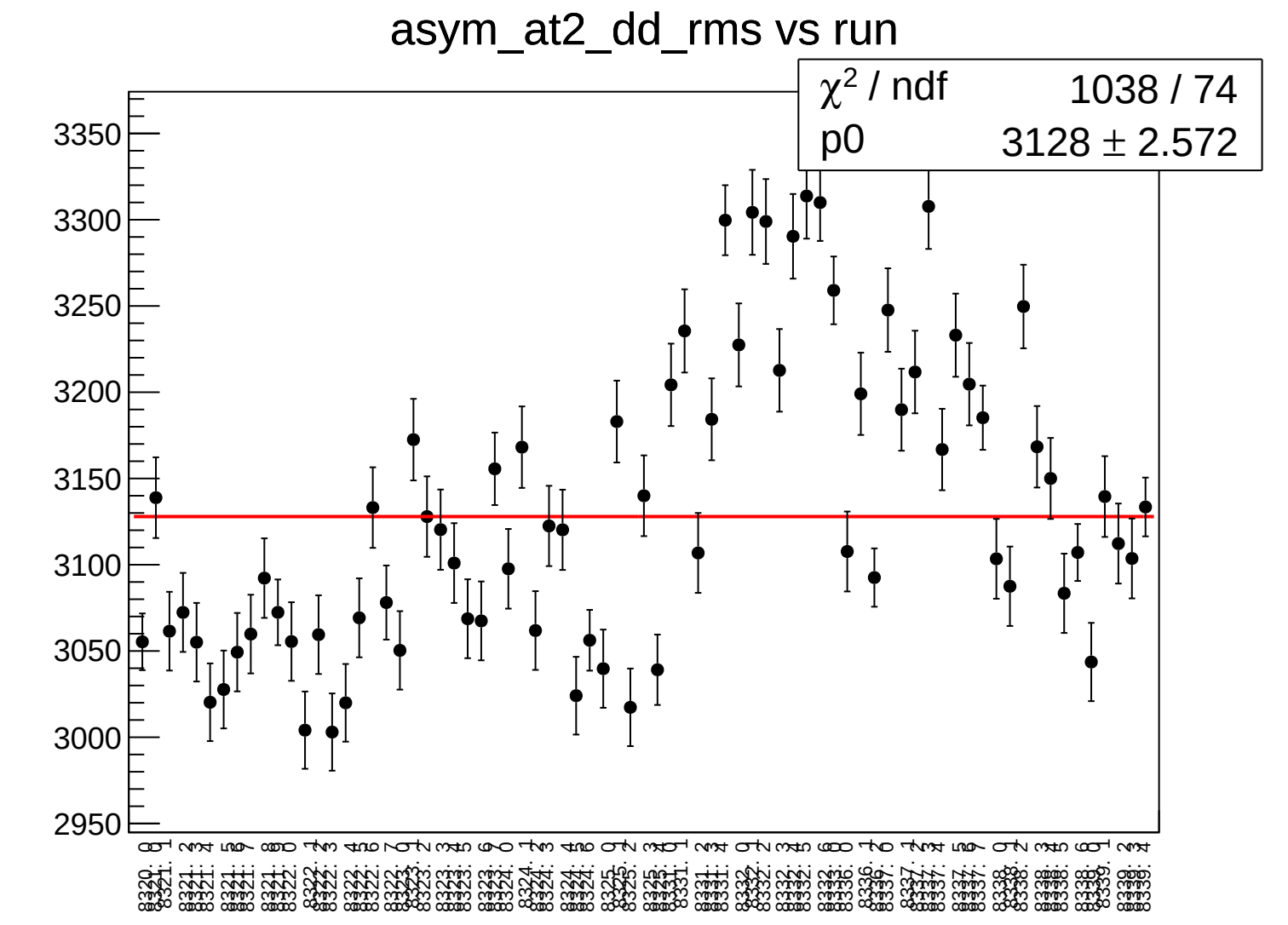

asym_at2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.44 / 74
p0 4180 ± 3019
100
50
0
−50
−100
pull
Entries 75
Mean −162
Std Dev 0
2
1
0
−1
−2

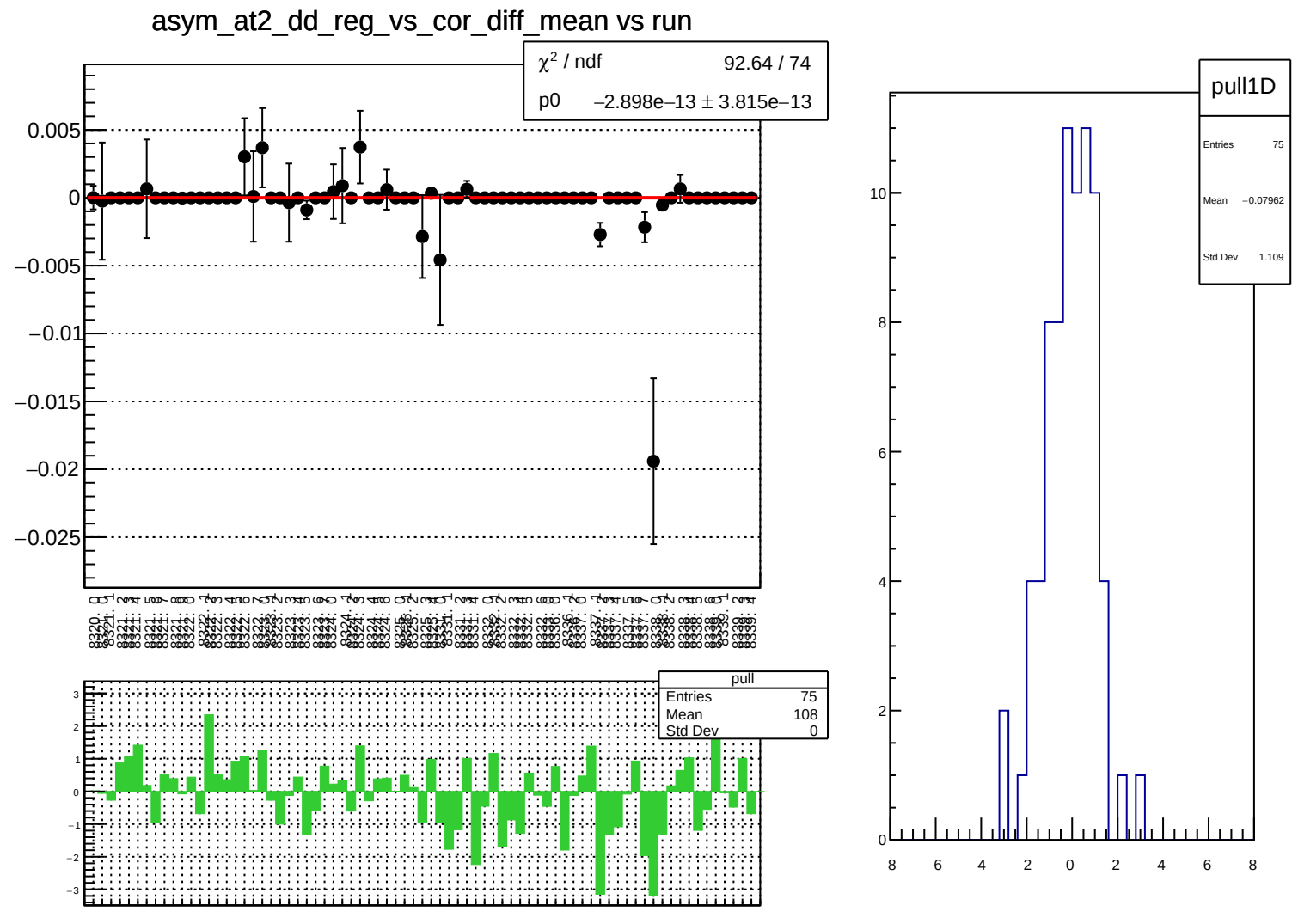

pull1D
Entries 75
Mean 0.004322
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

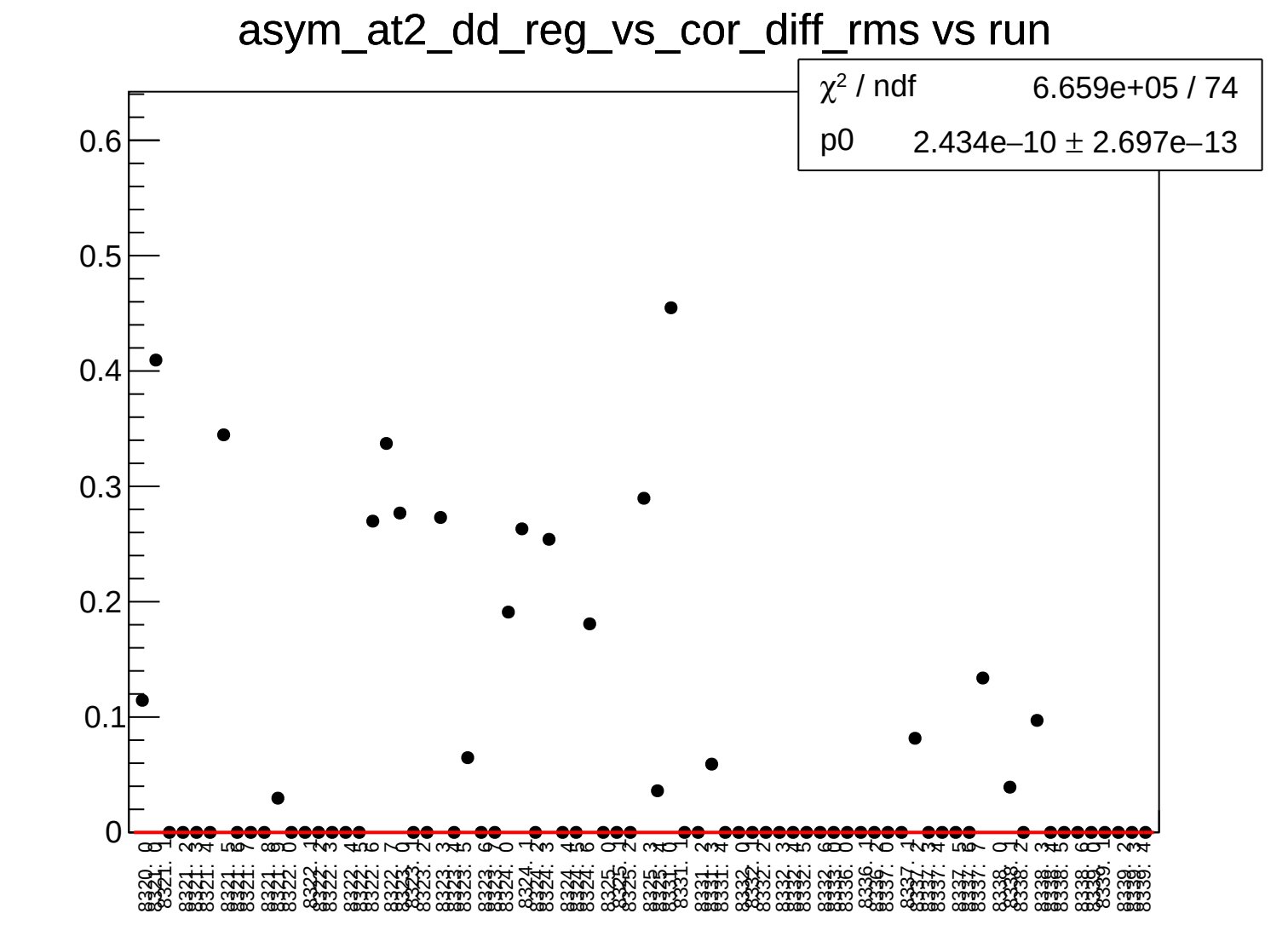

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1625 / 74
p0 2595 ± 2.134
2850
2800
2750
2700
2650
2600
2550
2500
2450

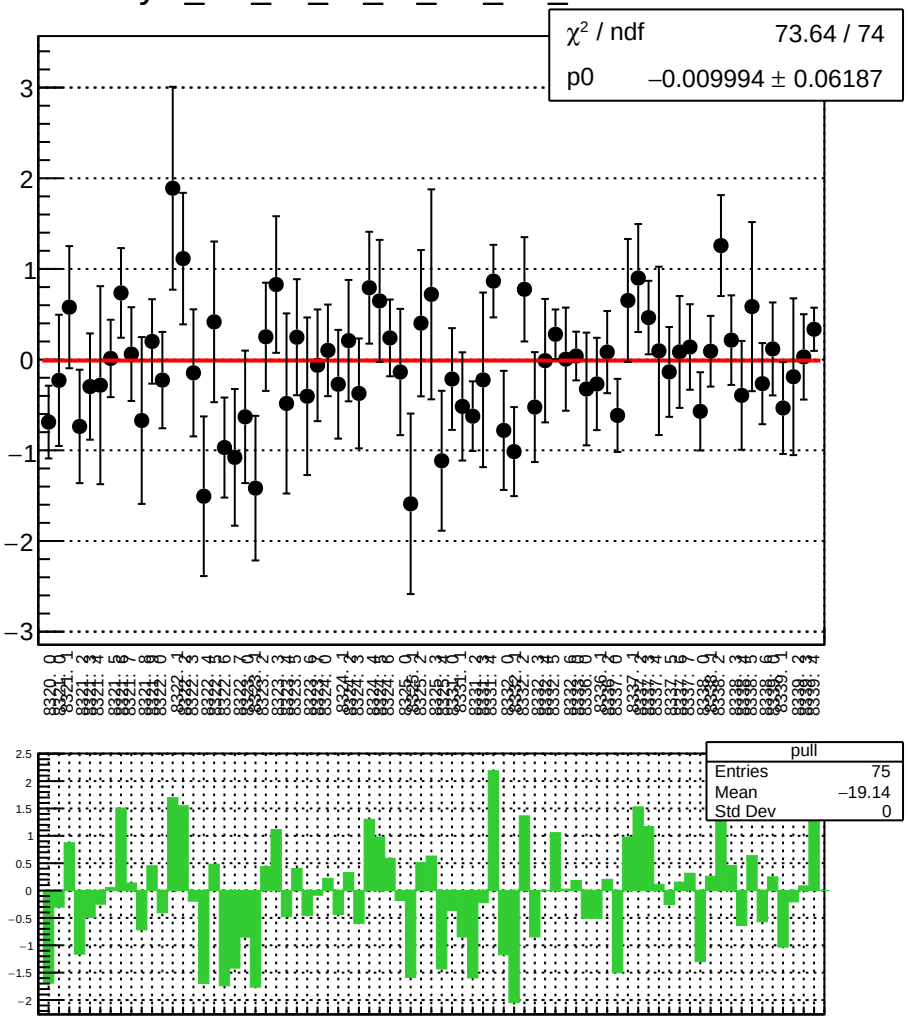

asym_at2_dd_mean vs run
×10^3
χ² / ndf 68.92 / 74
p0 −4139 ± 3637
100
50
0
−50
−100
pull
Entries 75
Mean 172.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

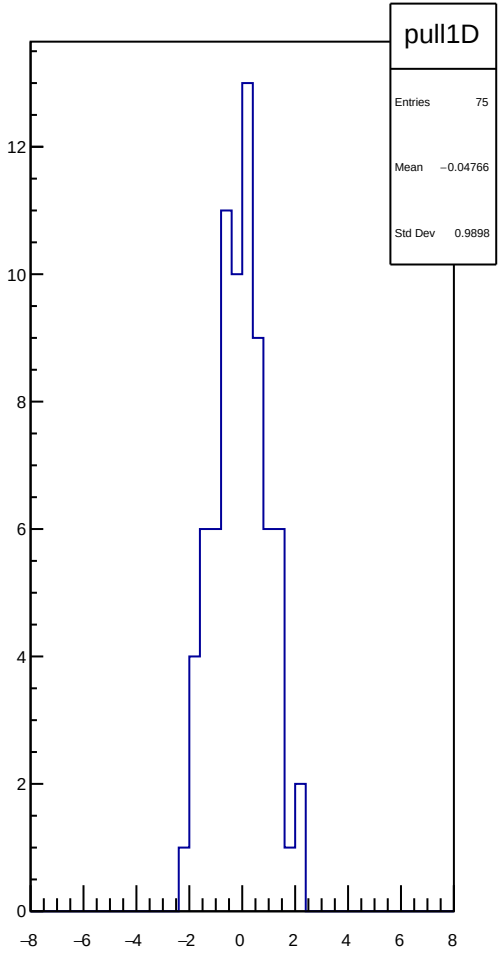

pull1D
Entries 75
Mean −0.01168
Std Dev 0.9586
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

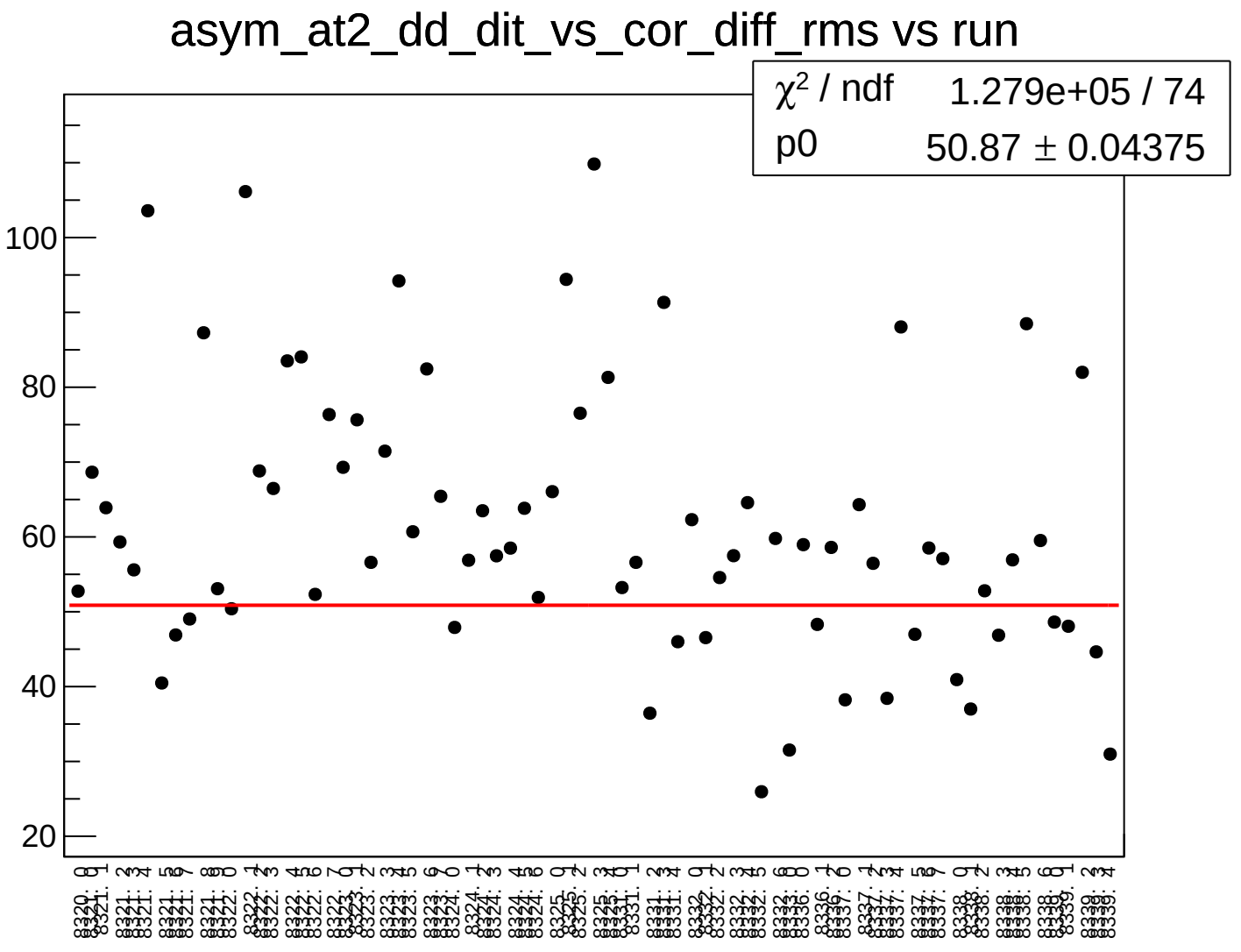

asym_at2_dd_rms vs run
χ² / ndf 1038 / 74
p0 3128 ± 2.572
3350
3300
3250
3200
3150
3100
3050
3000
2950

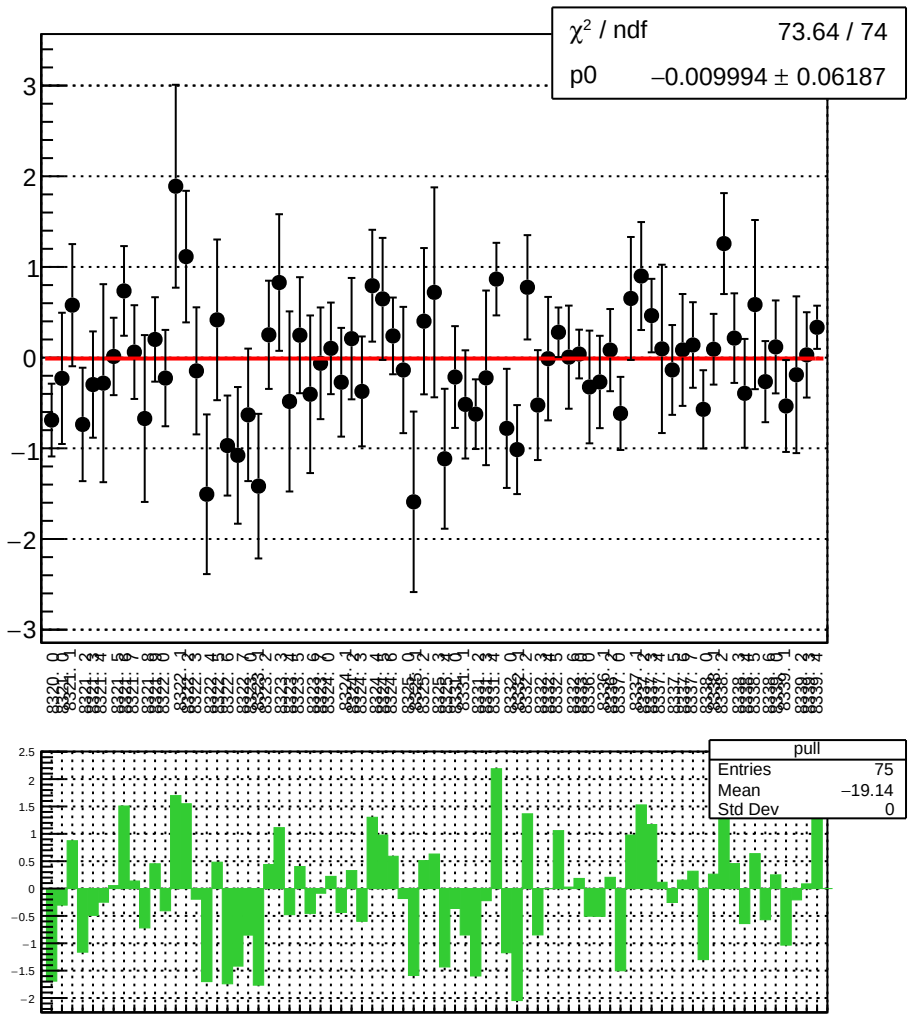

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.64 / 74
p0 −2.898e−13 ± 3.815e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
pull
Entries 75
Mean 108
Std Dev 0
pull1D
Entries 75
Mean −0.07962
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

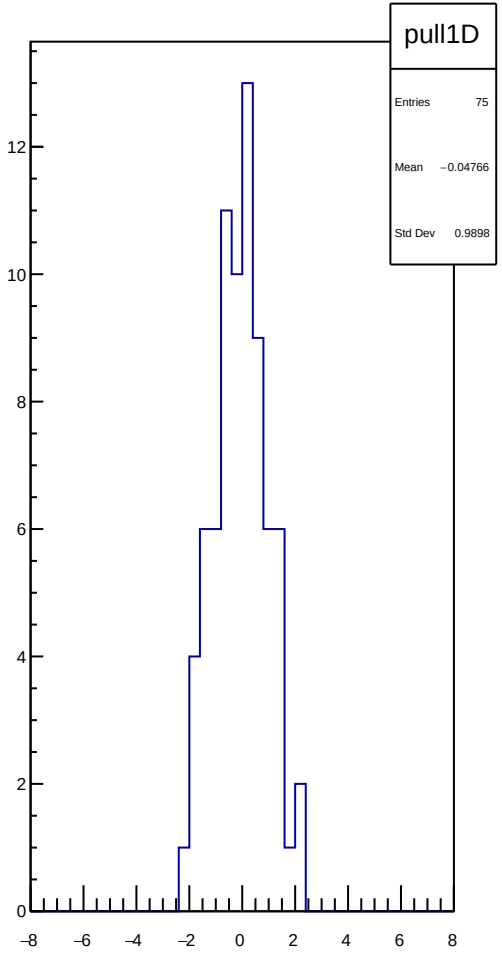

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.659e+05 / 74
p0 2.434e−10 ± 2.697e−13
0.6
0.5
0.4
0.3
0.2
0.1
0

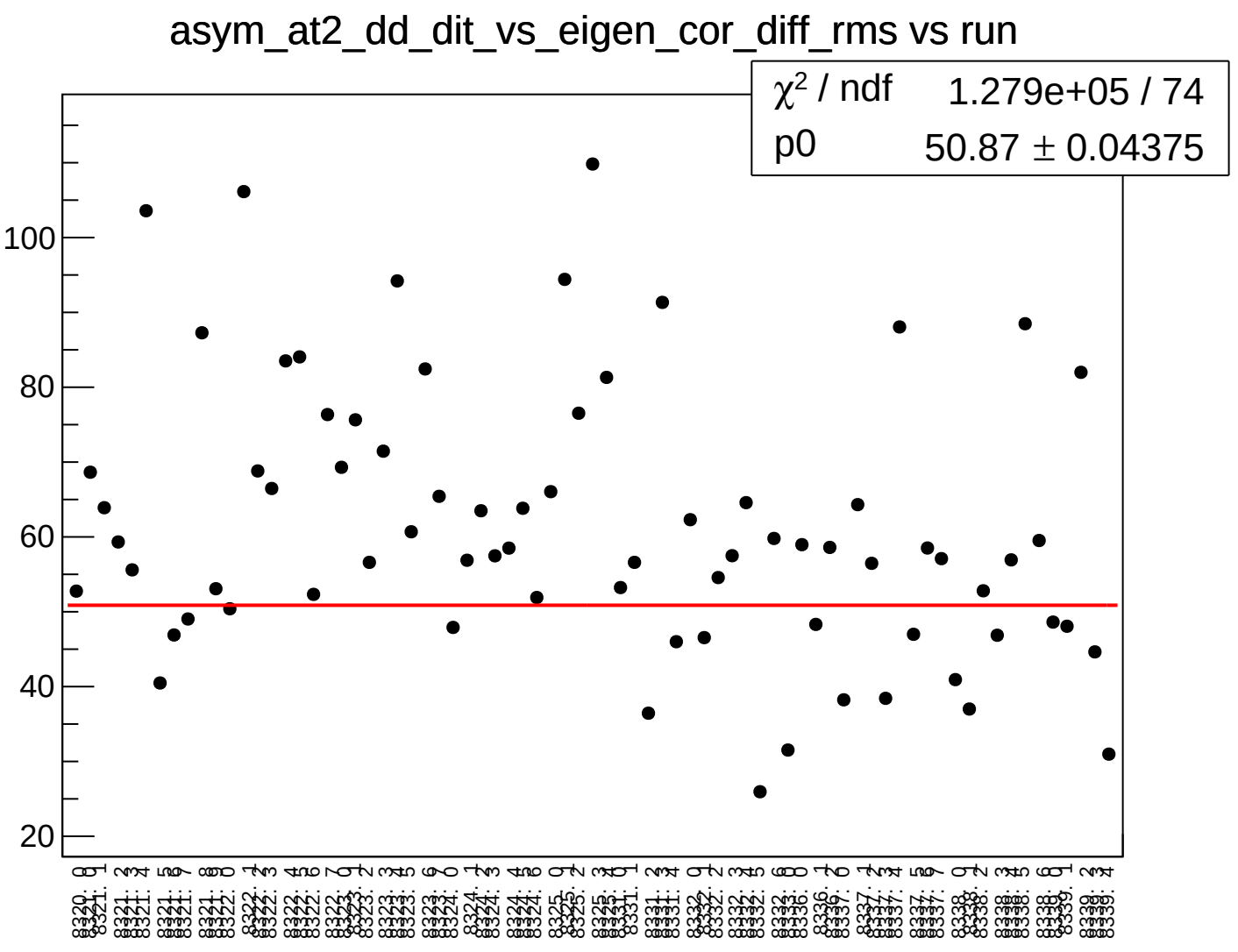

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.64 / 74
p0 −0.009994 ± 0.06187
pull
Entries 75
Mean −19.14
Std Dev 0

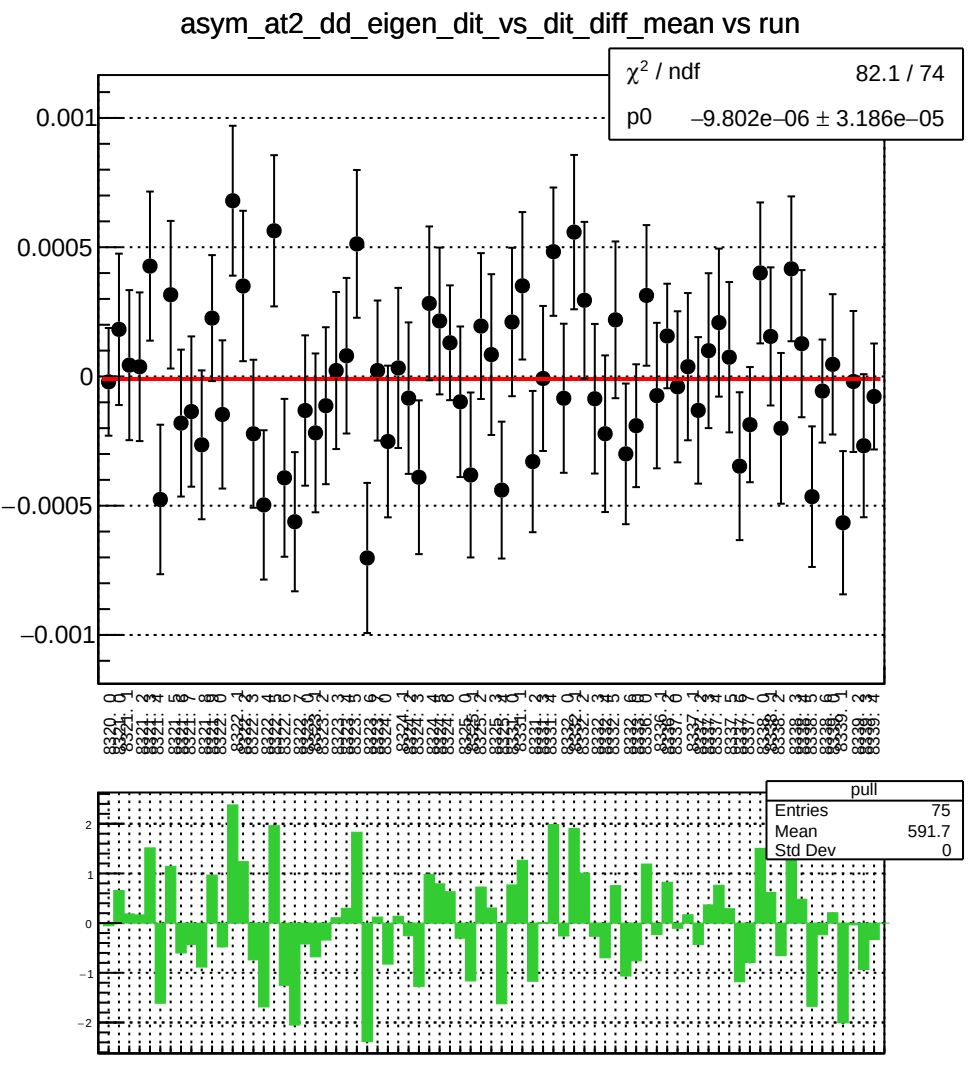

pull1D
Entries 75
Mean −0.04766
Std Dev 0.9898

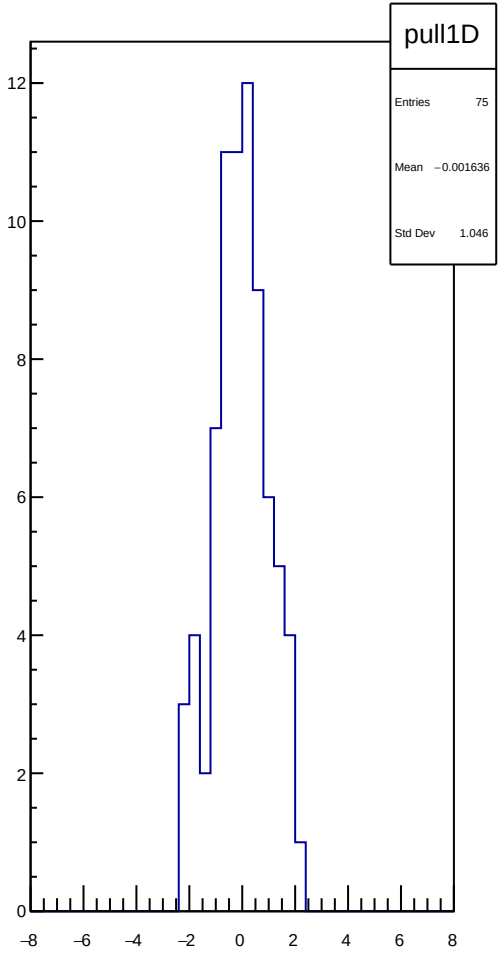

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 74
p0 50.87 ± 0.04375
100
80
60
40
20

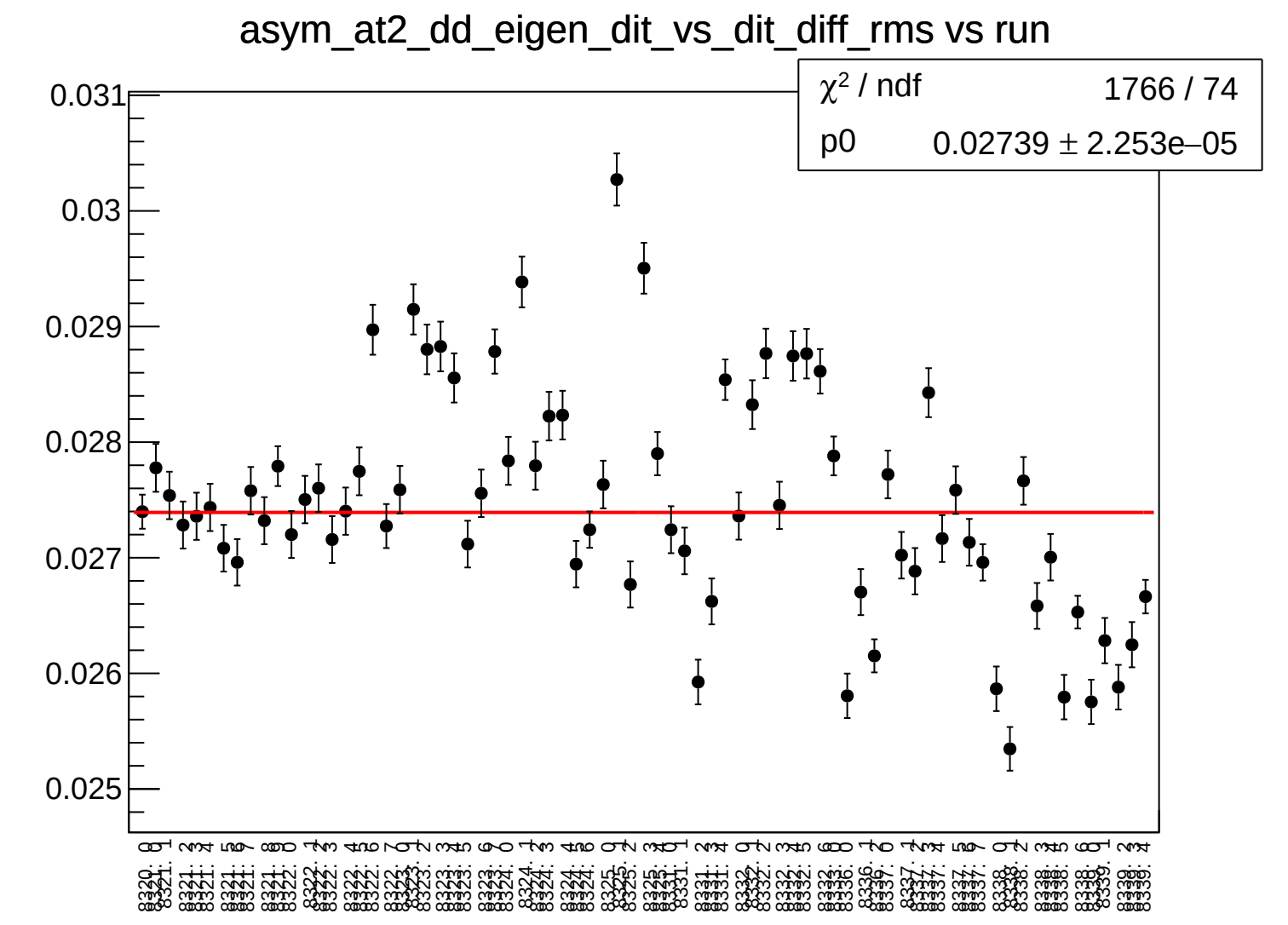

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.64 / 74
p0 −0.009994 ± 0.06187
pull
Entries 75
Mean −19.14
Std Dev 0


pull1D
Entries 75
Mean −0.04766
Std Dev 0.9898

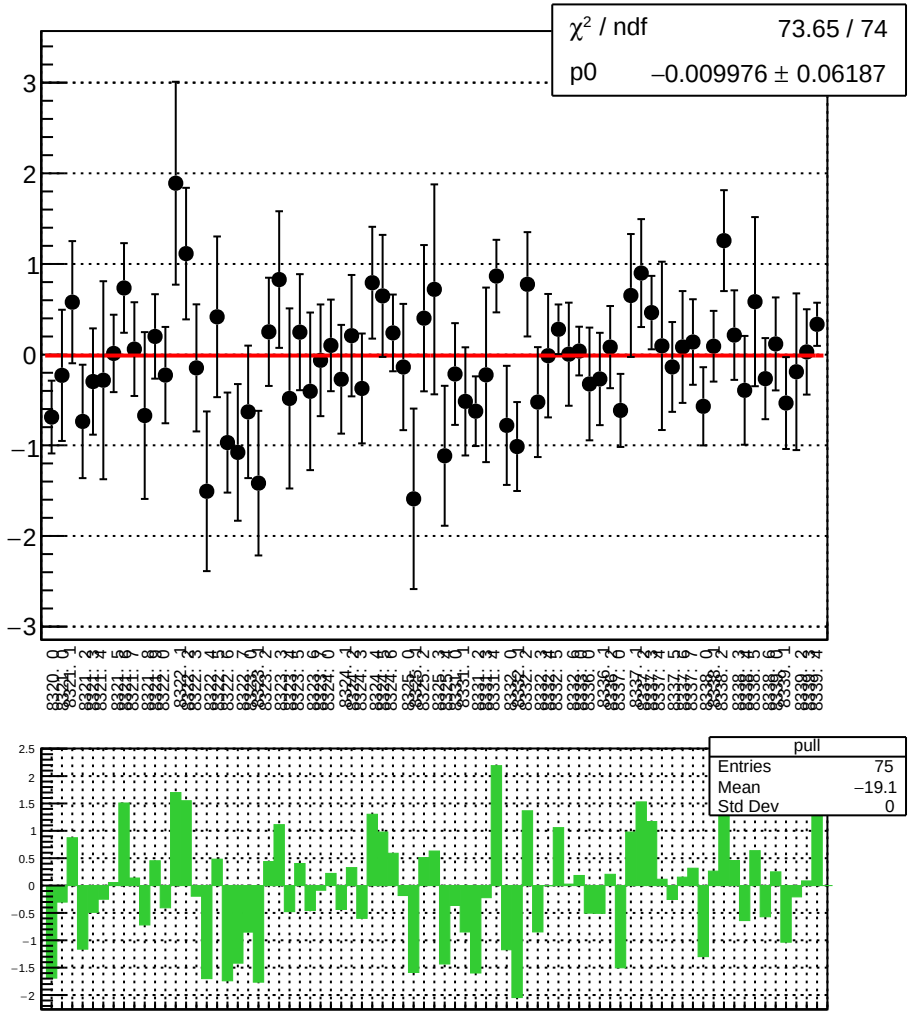

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 74
p0 50.87 ± 0.04375
100
80
60
40
20

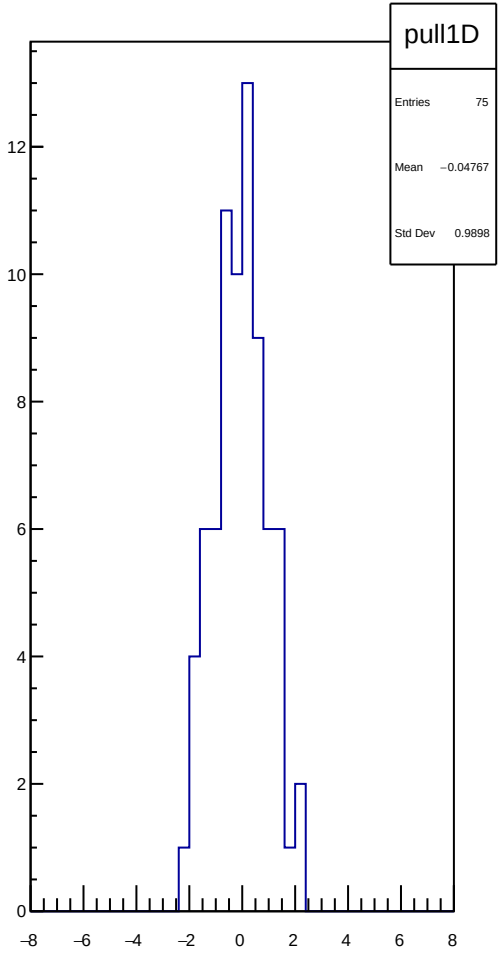

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 82.1 / 74
p0 −9.802e−06 ± 3.186e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean 591.7
Std Dev 0

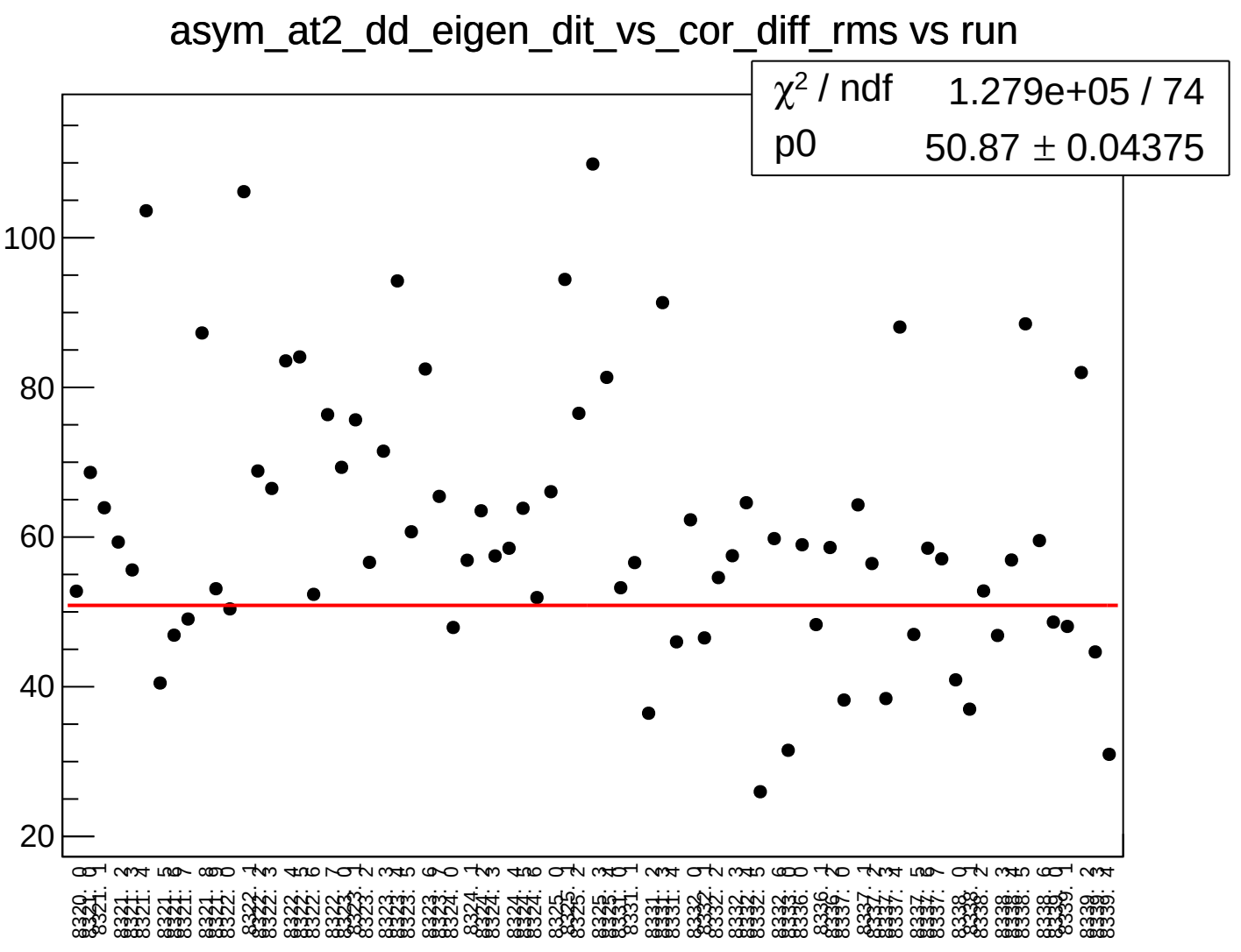

pull1D
Entries 75
Mean −0.001636
Std Dev 1.046

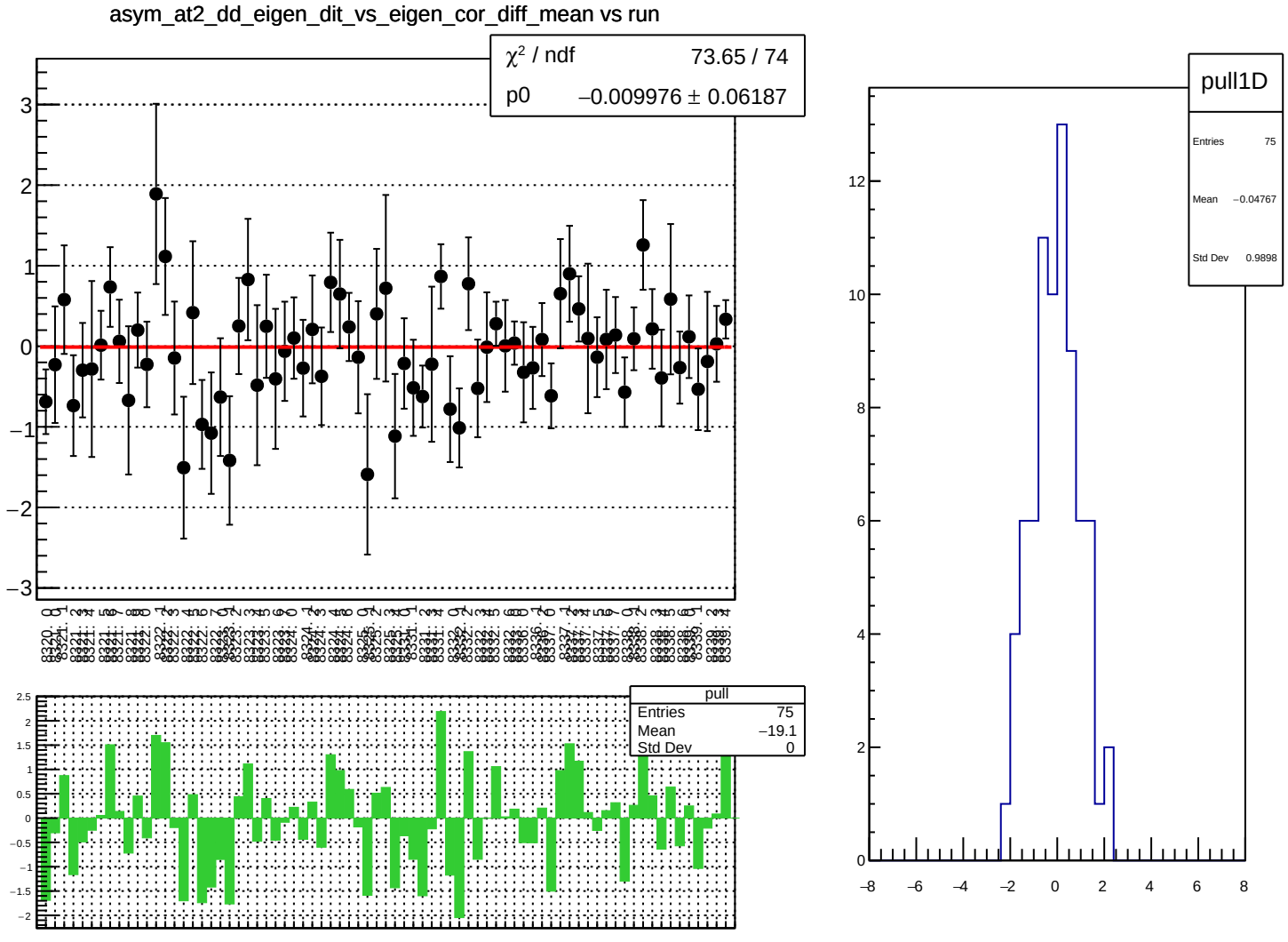

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1766 / 74
p0 0.02739 ± 2.253e−05
0.031
0.03
0.029
0.028
0.027
0.026
0.025

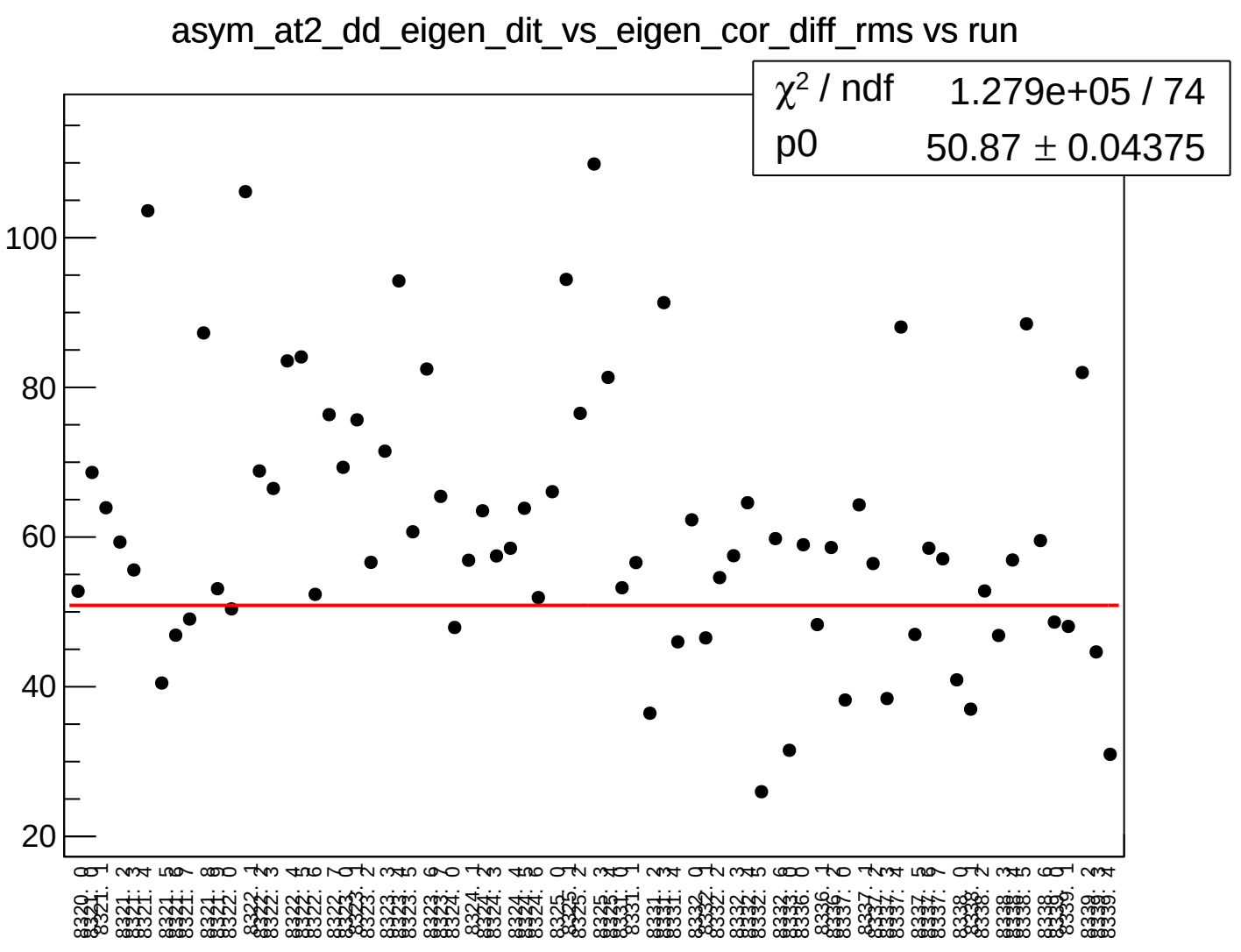
asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run

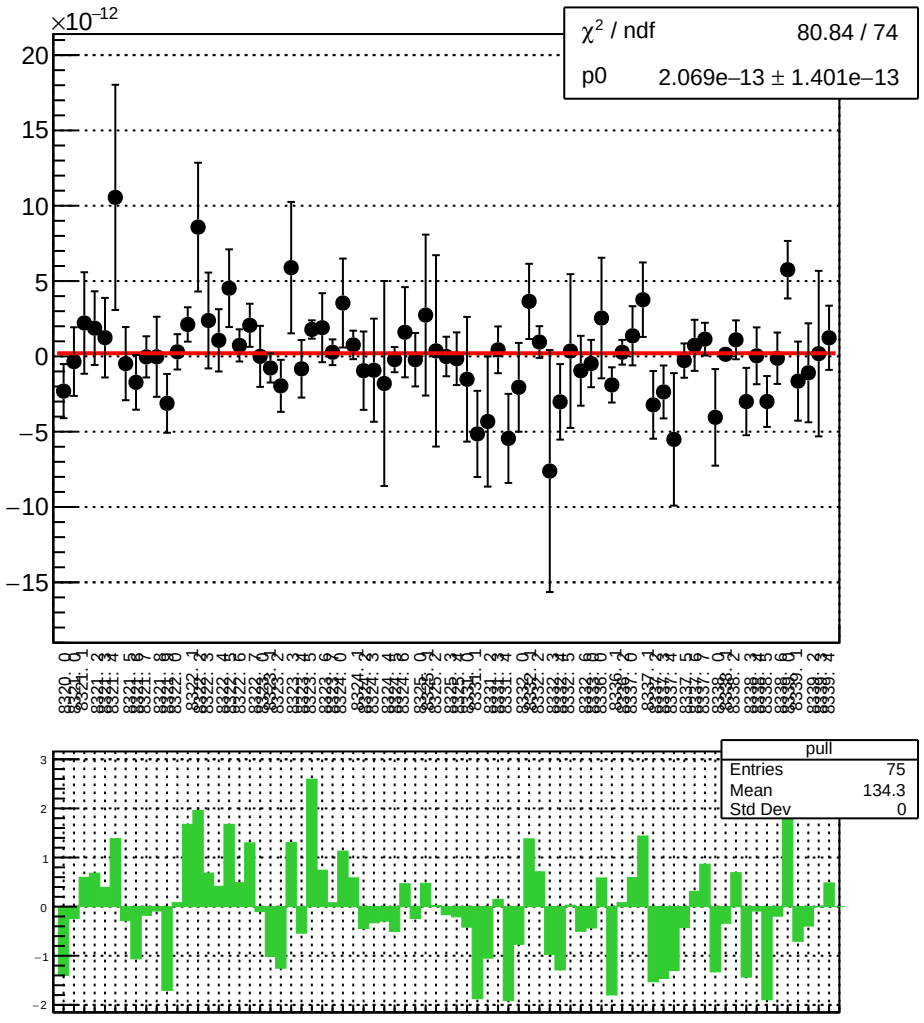


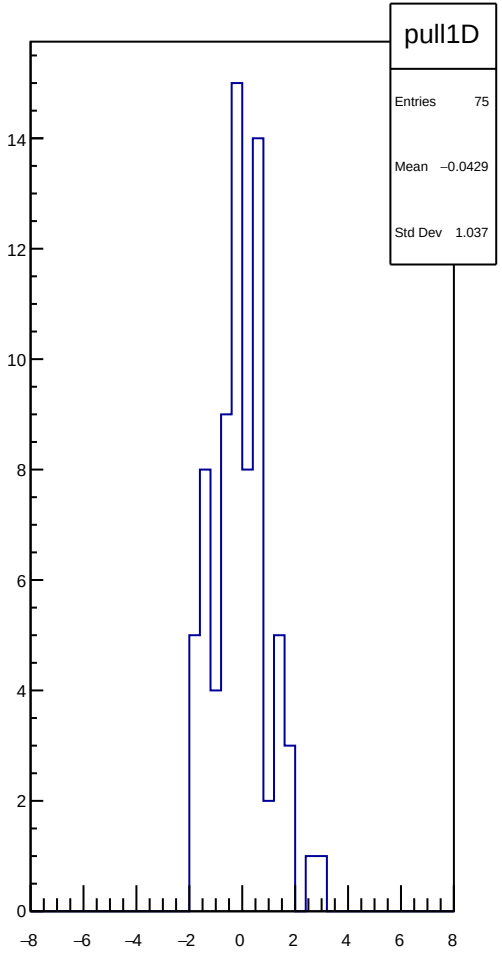


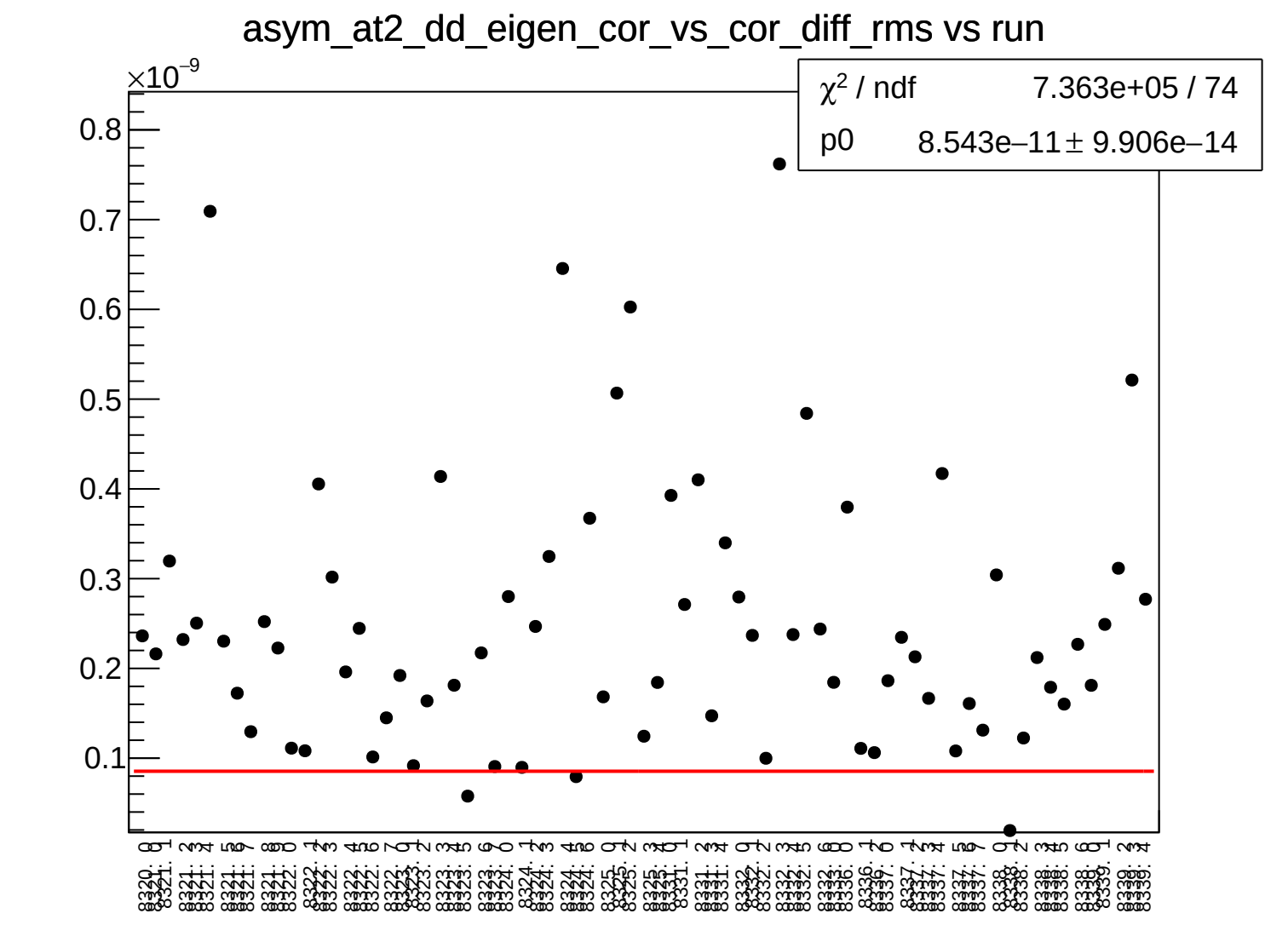

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 74
p0 50.87 ± 0.04375
100
80
60
40
20

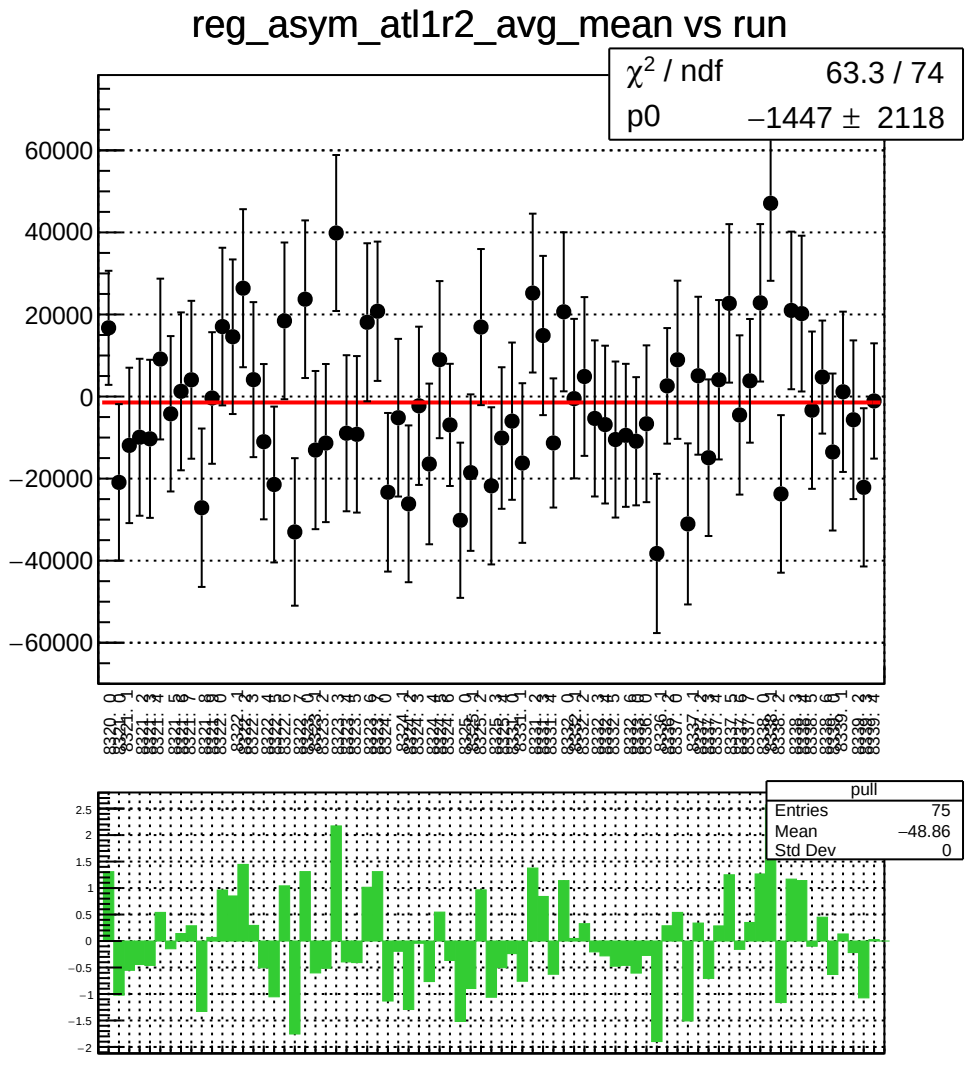

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.65 / 74
p0 −0.009976 ± 0.06187
pull
Entries 75
Mean −19.1
Std Dev 0
pull1D
Entries 75
Mean −0.04767
Std Dev 0.9898

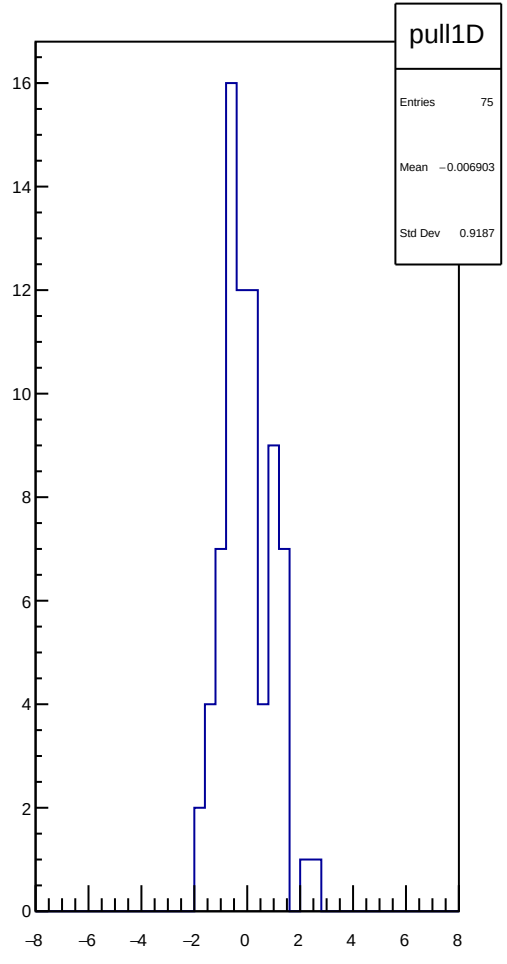

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.279e+05 / 74
p0 50.87 ± 0.04375
100
80
60
40
20

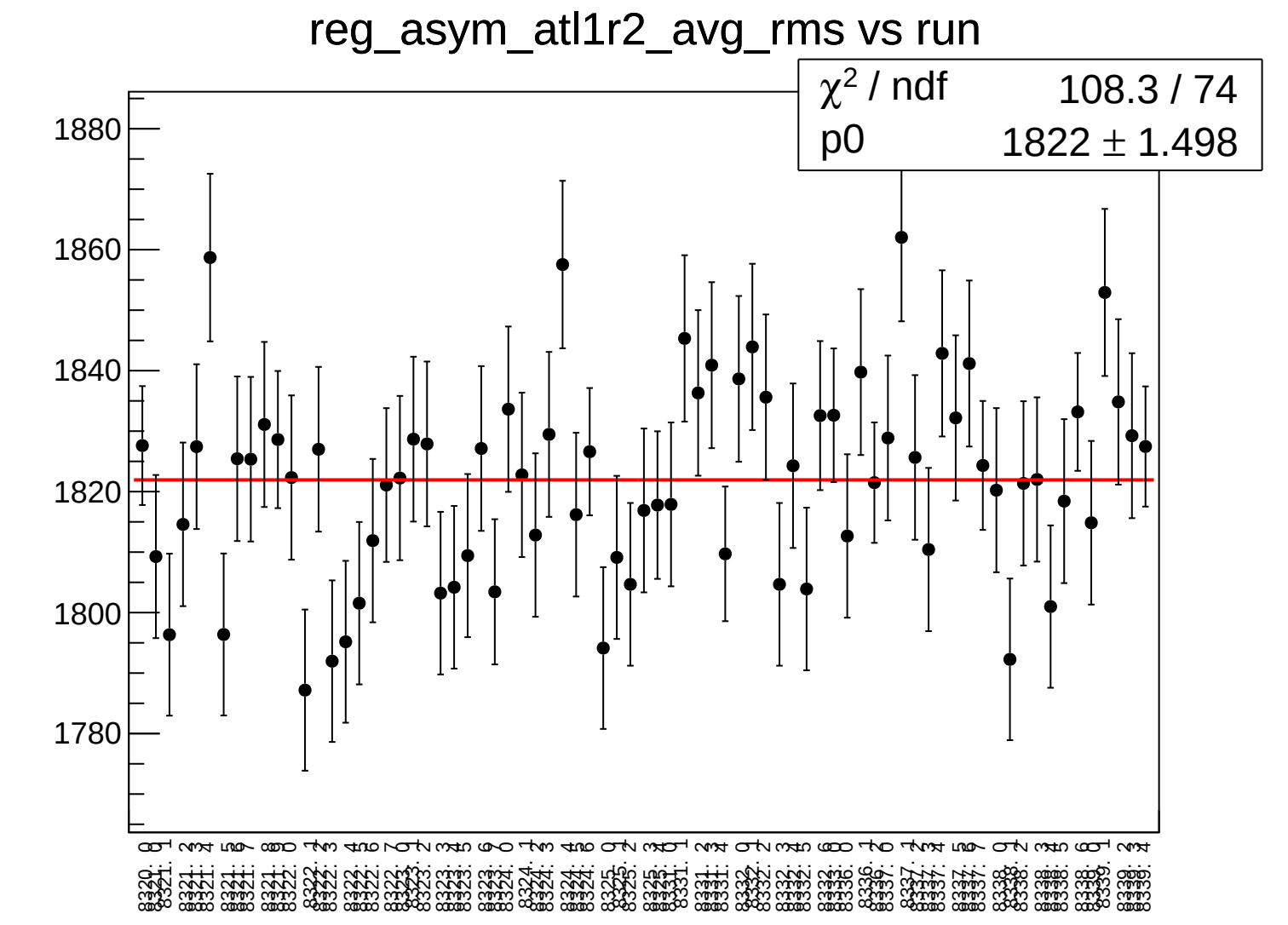

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.84 / 74
p0 2.069e−13 ± 1.401e−13
pull
Entries 75
Mean 134.3
Std Dev 0

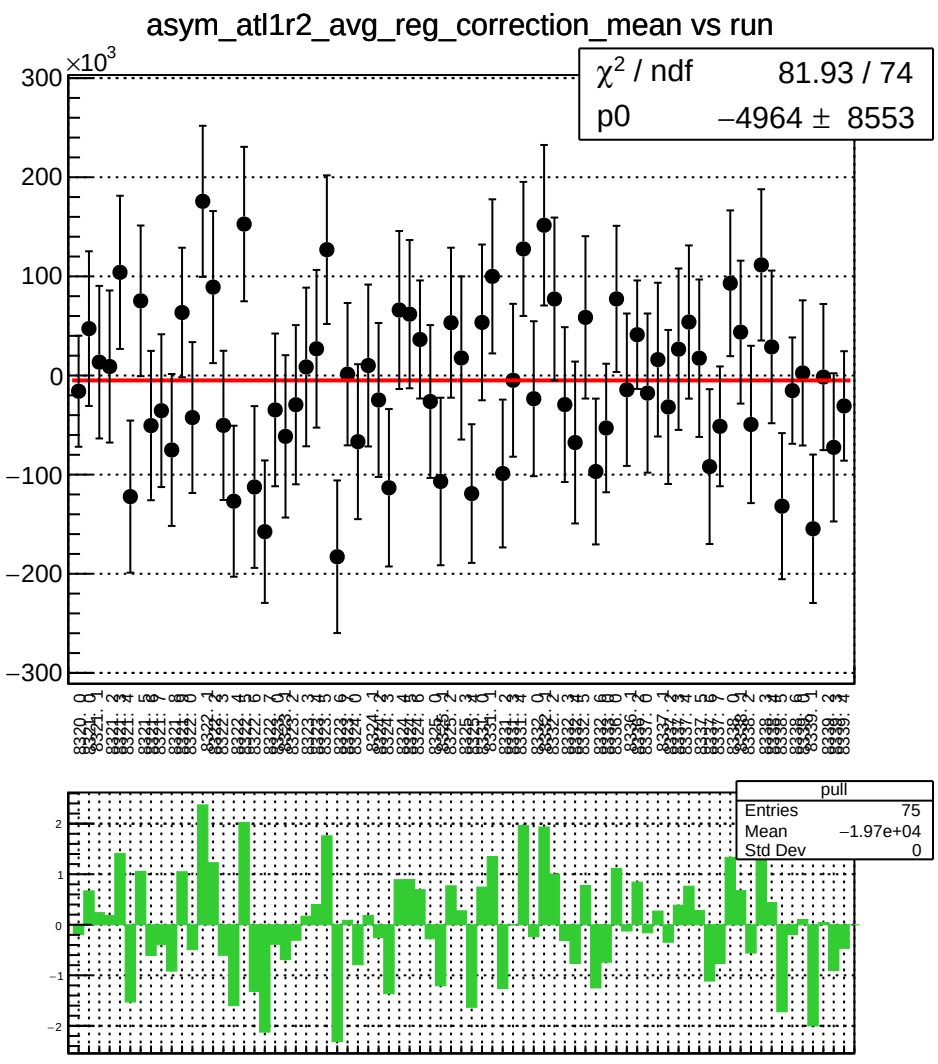

pull1D
Entries 75
Mean −0.0429
Std Dev 1.037

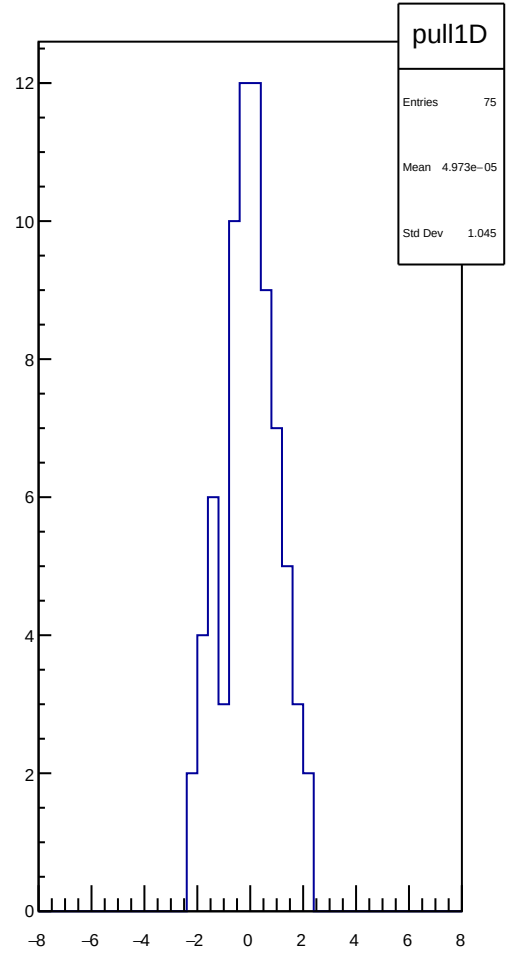

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.363e+05 / 74
p0 8.543e−11 ± 9.906e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

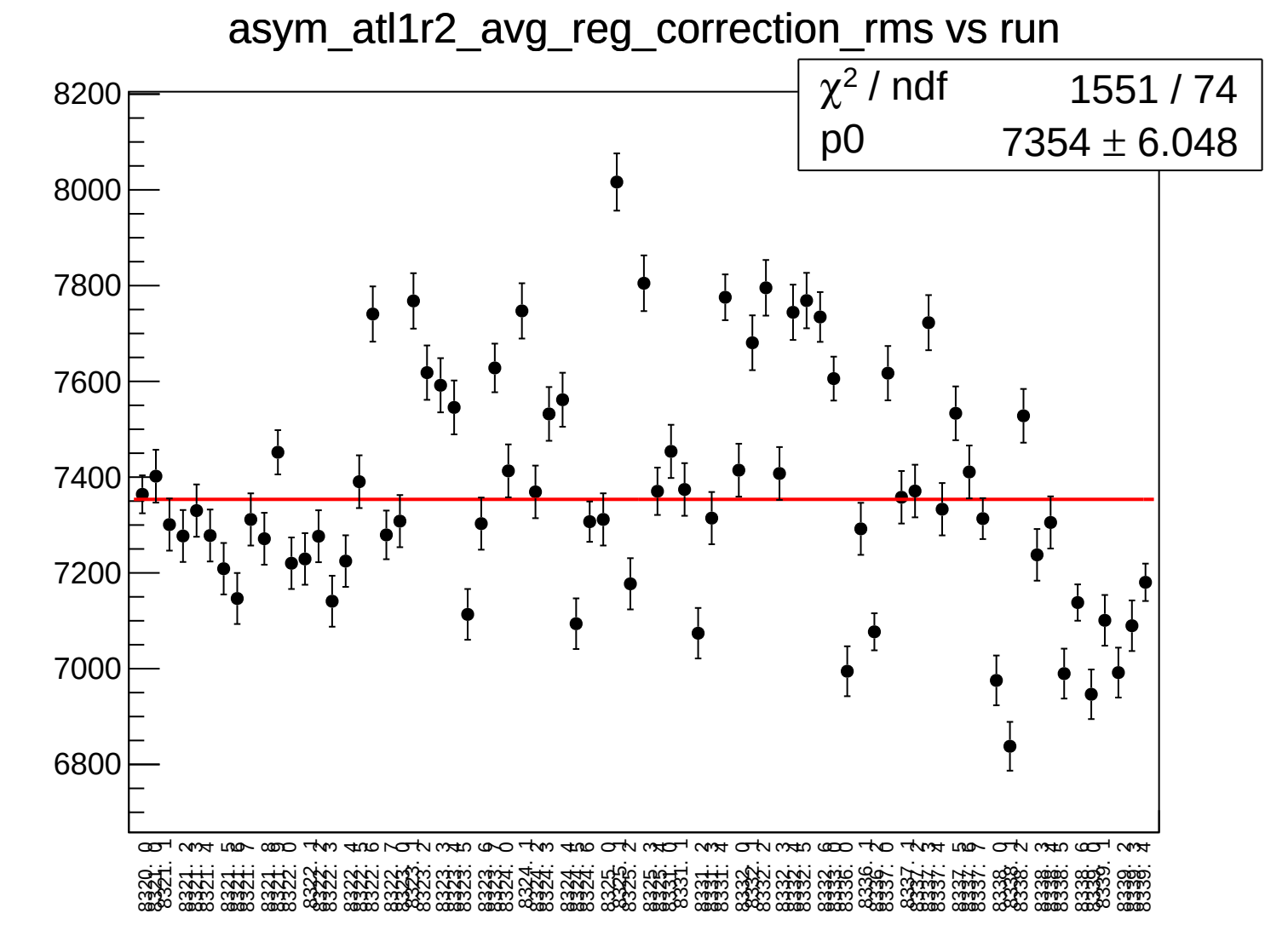

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 63.3 / 74
p0 −1447 ± 2118
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −48.86
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

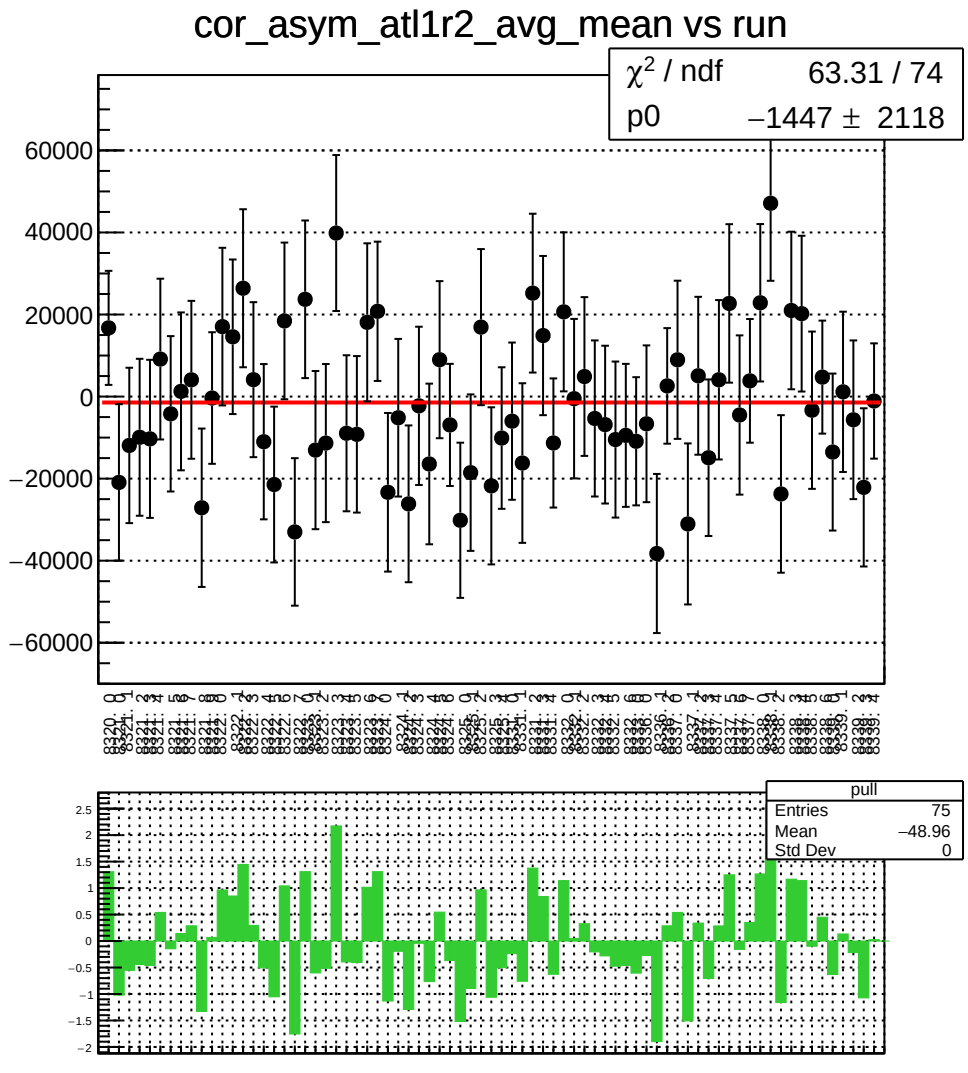

pull1D
Entries 75
Mean −0.006903
Std Dev 0.9187
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

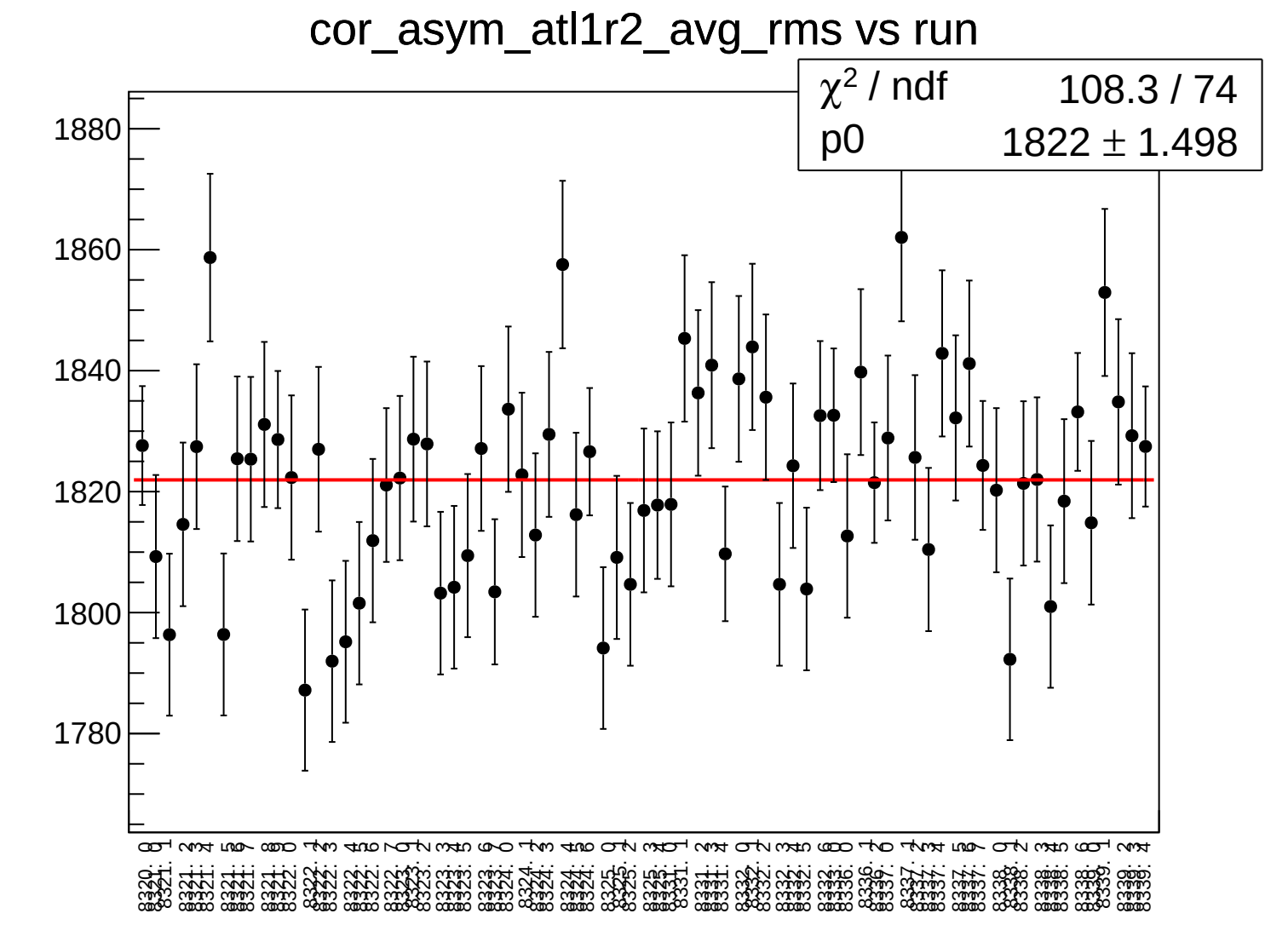

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 108.3 / 74
p0 1822 ± 1.498
1880
1860
1840
1820
1800
1780

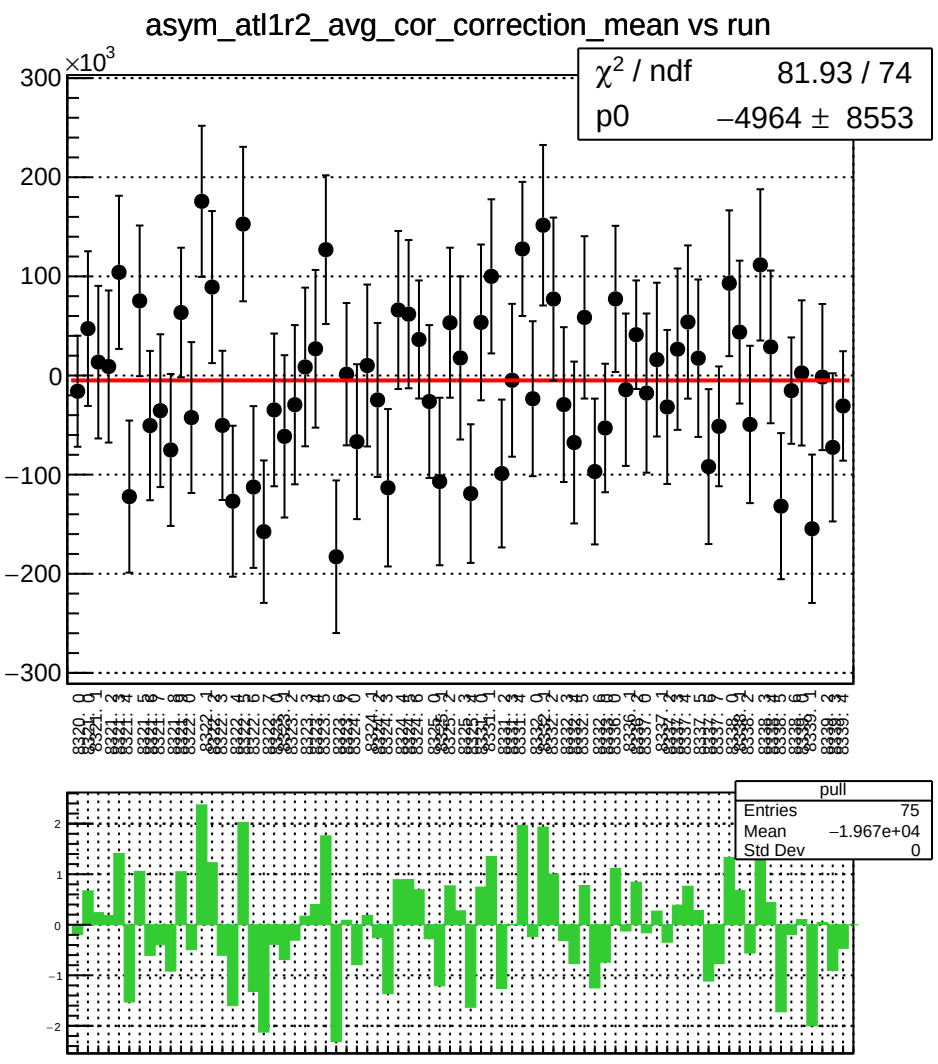

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.93 / 74
p0 −4964 ± 8553
pull
Entries 75
Mean −1.97e+04
Std Dev 0

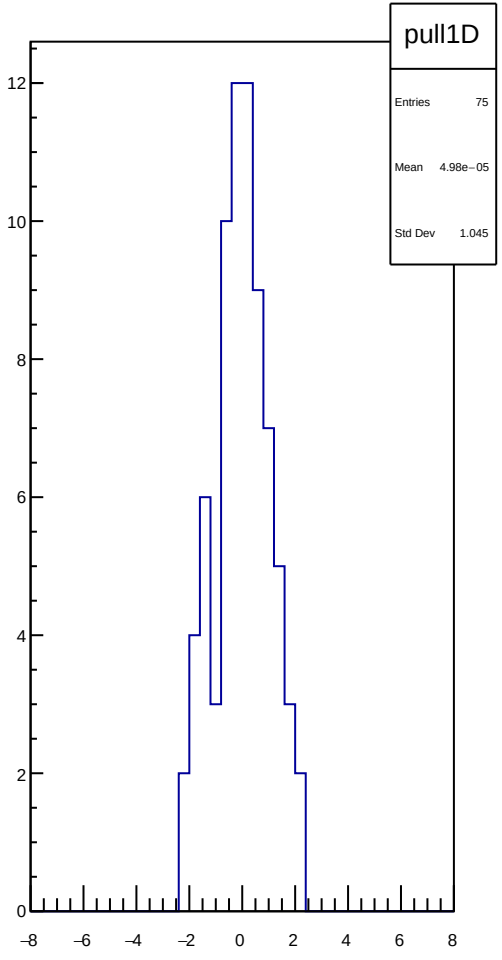

pull1D
Entries 75
Mean 4.973e−05
Std Dev 1.045

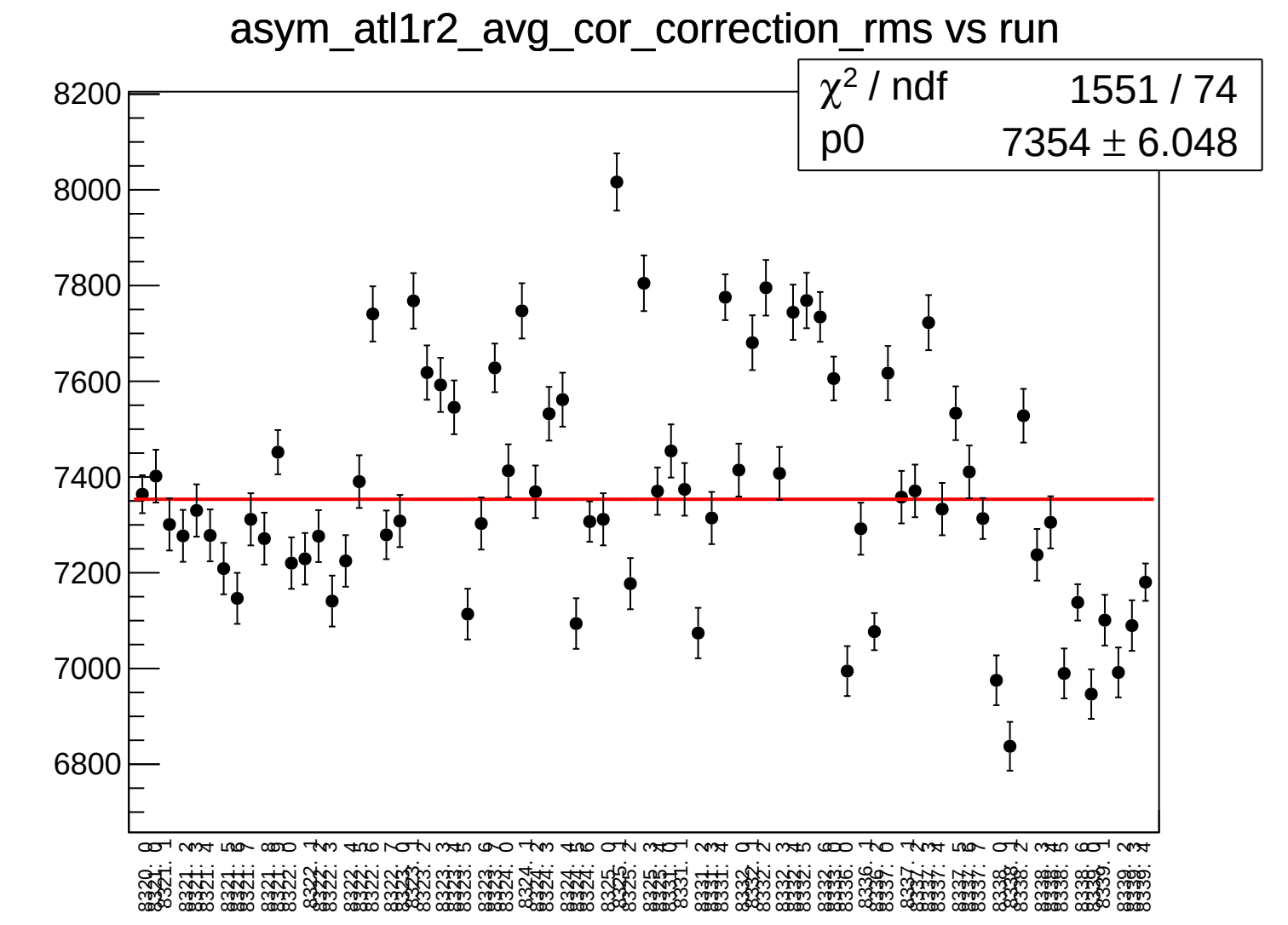

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 1551 / 74
p0 7354 ± 6.048
8200
8000
7800
7600
7400
7200
7000
6800

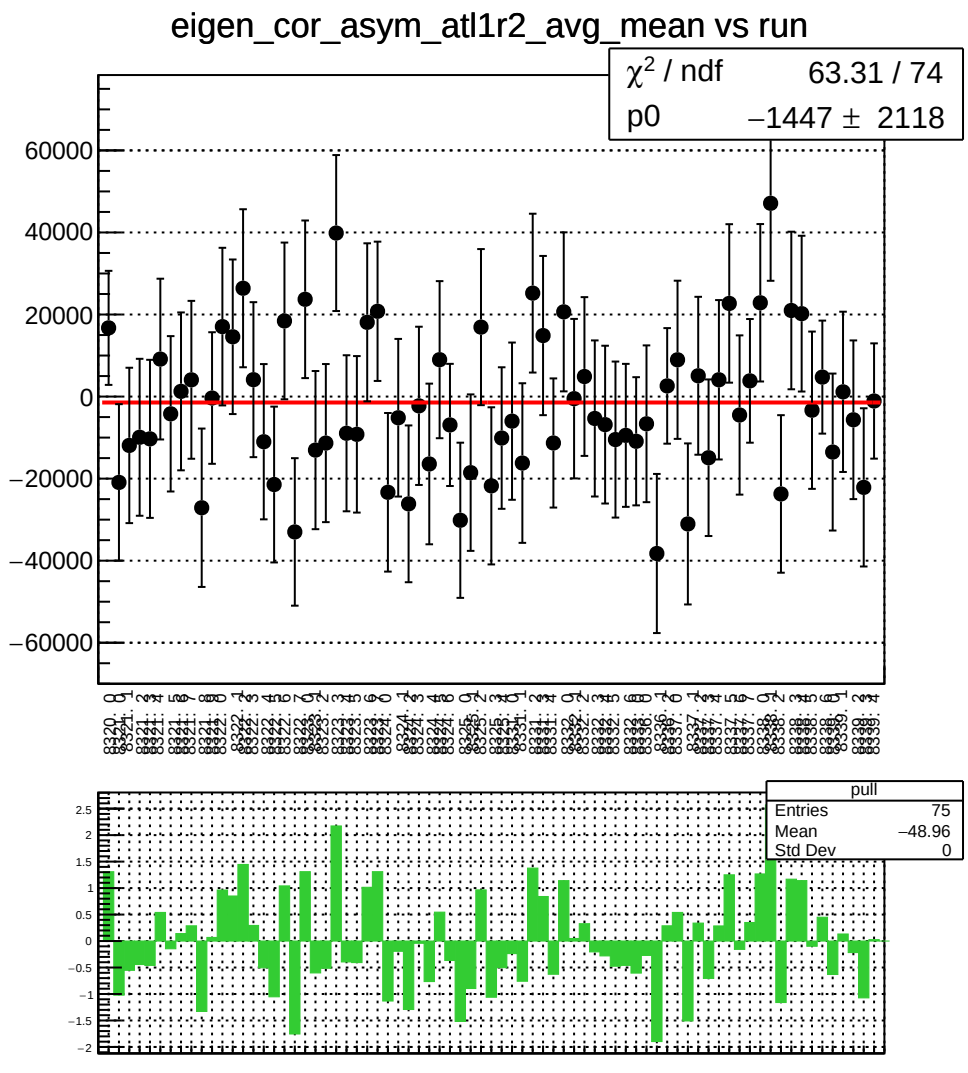

cor_asym_atl1r2_avg_mean vs run
χ² / ndf 63.31 / 74
p0 −1447 ± 2118
pull
Entries 75
Mean −48.96
Std Dev 0
pull1D
Entries 75
Mean −0.006902
Std Dev 0.9187

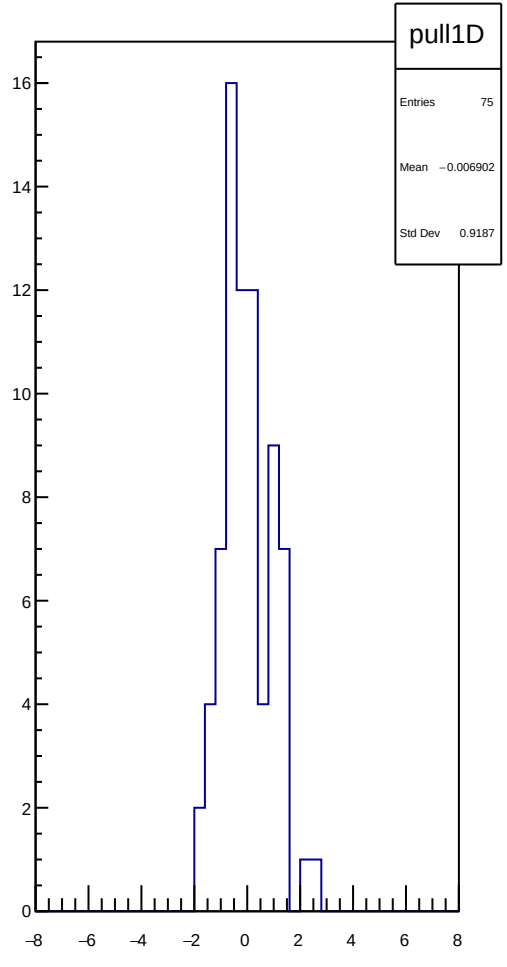

cor_asym_atl1r2_avg_rms vs run
χ² / ndf 108.3 / 74
p0 1822 ± 1.498
1880
1860
1840
1820
1800
1780

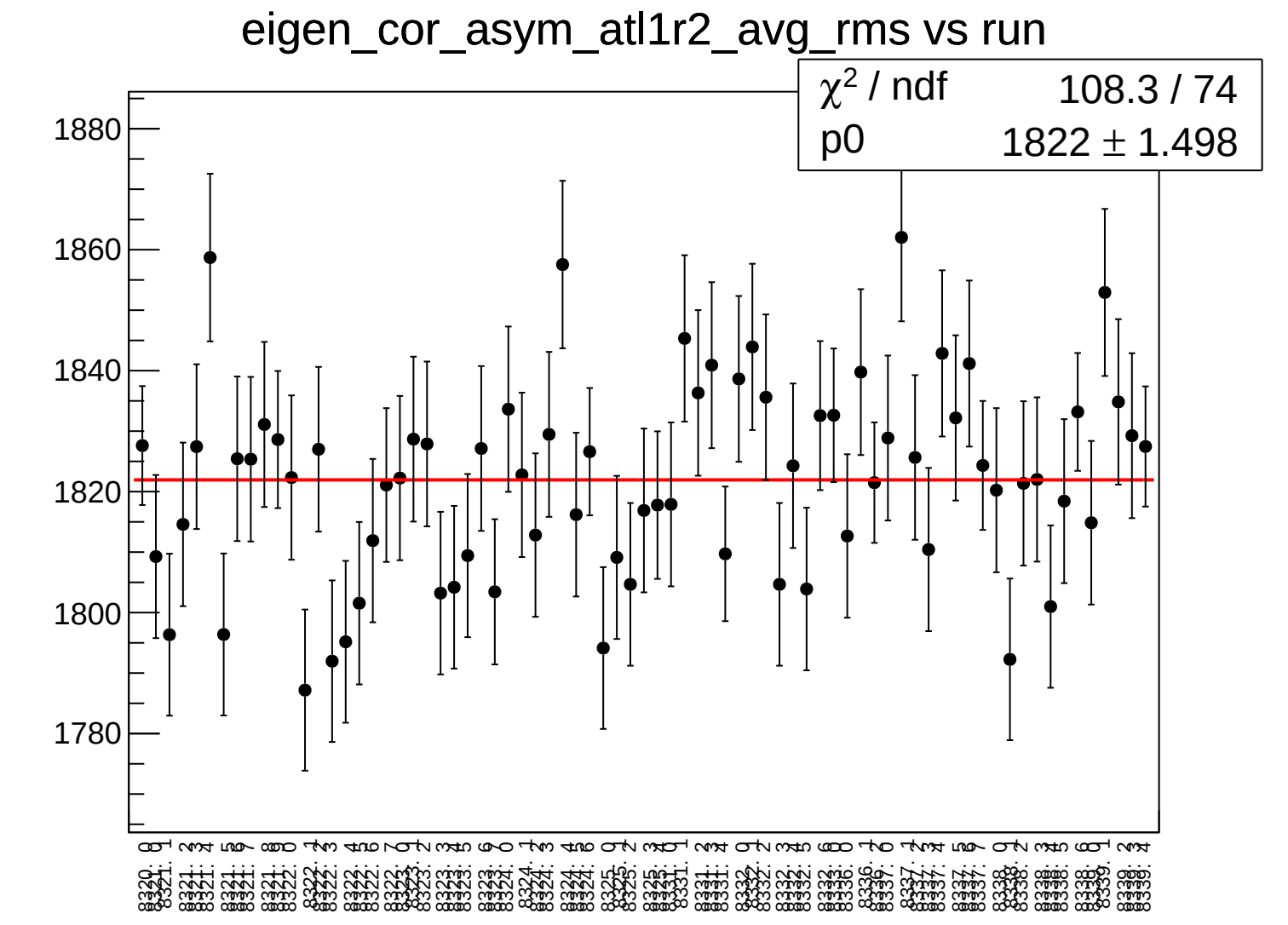

asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.93 / 74
p0 −4964 ± 8553
pull
Entries 75
Mean −1.967e+04
Std Dev 0

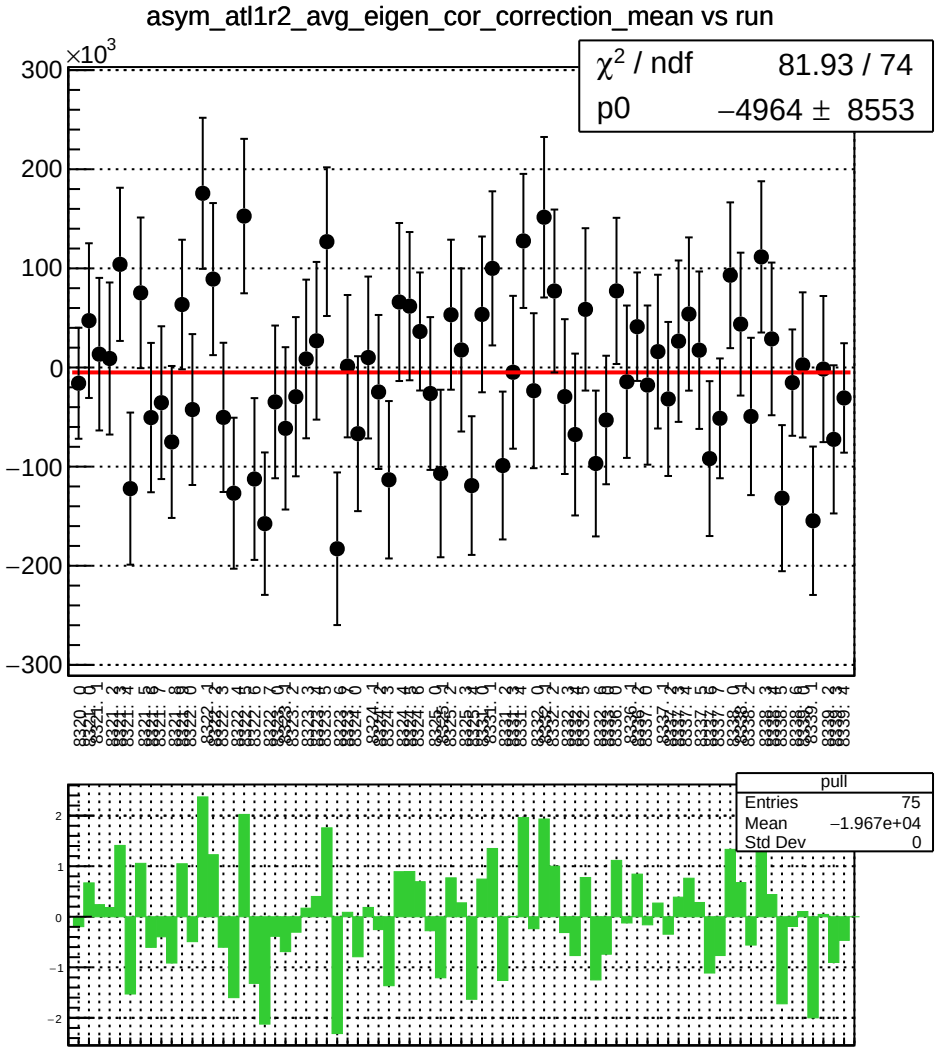

pull1D
Entries 75
Mean 4.98e−05
Std Dev 1.045

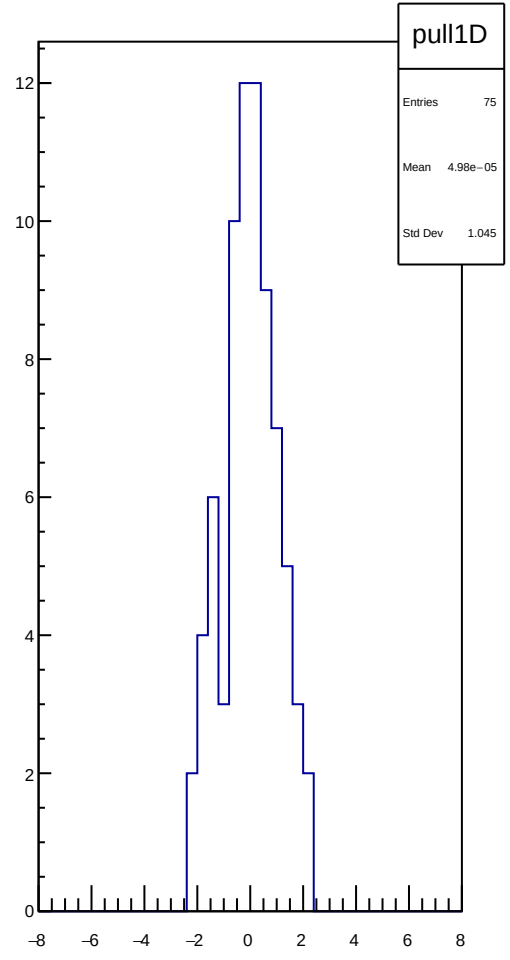

asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 1551 / 74
p0 7354 ± 6.048
8200
8000
7800
7600
7400
7200
7000
6800

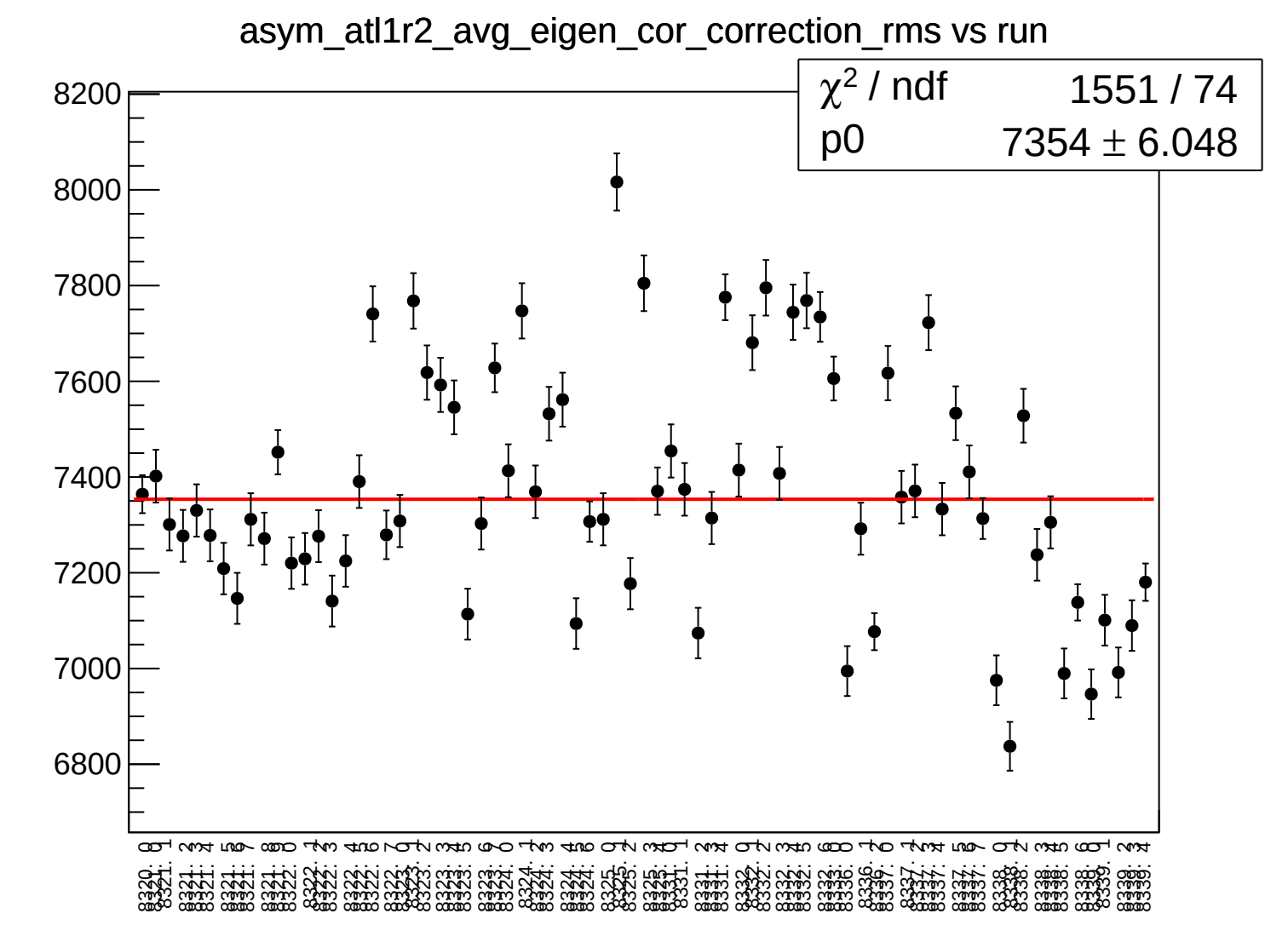

eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 63.31 / 74
p0 −1447 ± 2118
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −48.96
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

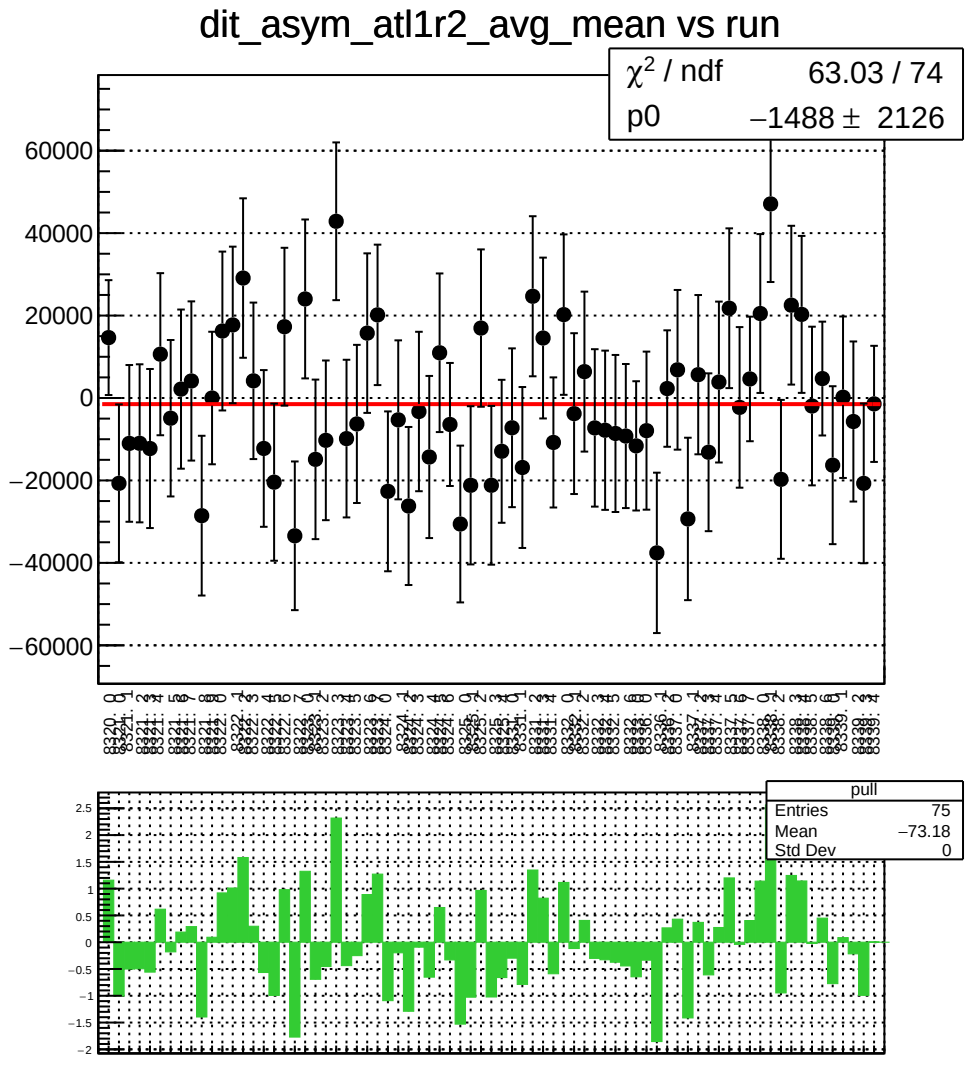

pull1D
Entries 75
Mean −0.006902
Std Dev 0.9187
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

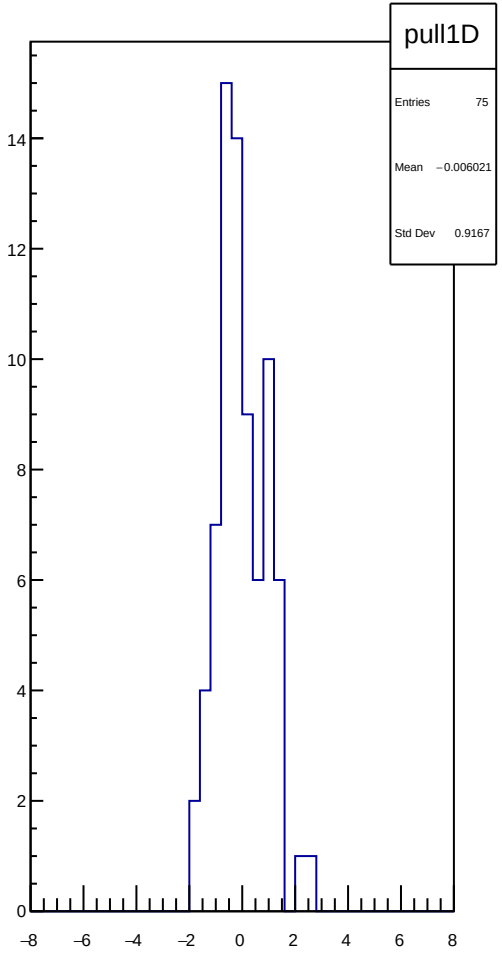

eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 108.3 / 74
p0 1822 ± 1.498
1880
1860
1840
1820
1800
1780

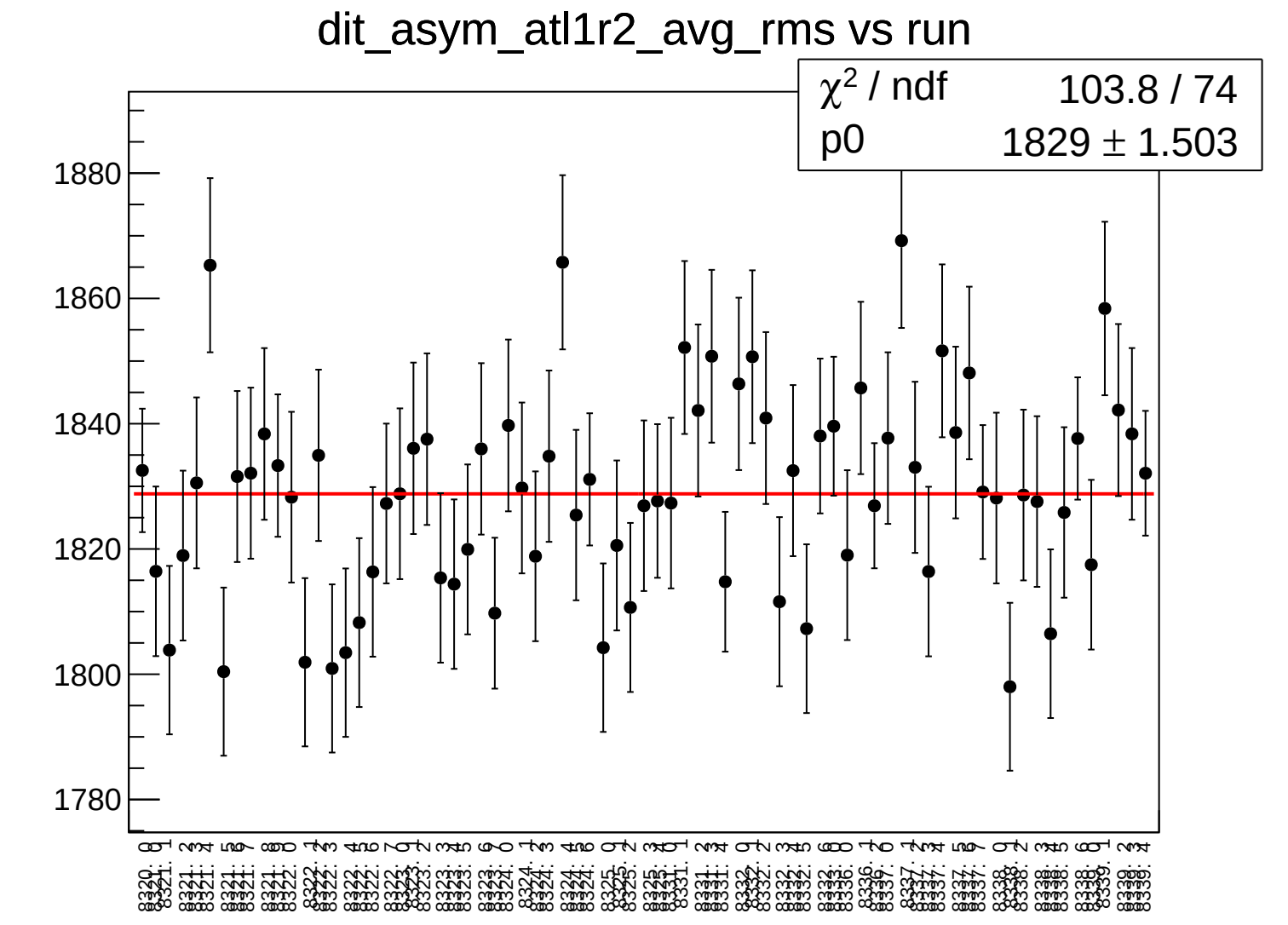

asym_atl1r2_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.93 / 74
p0 −4964 ± 8553
pull
Entries 75
Mean −1.967e+04
Std Dev 0

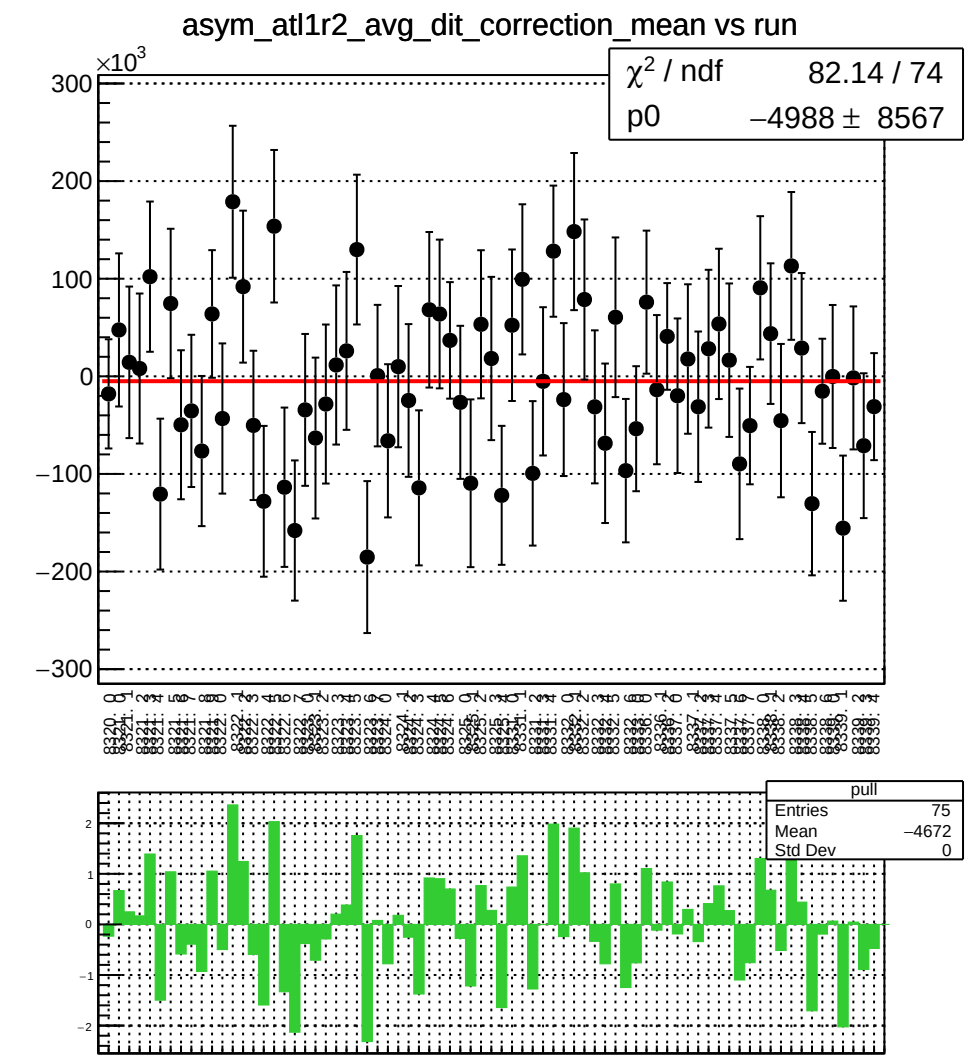

pull1D
Entries 75
Mean 4.98e−05
Std Dev 1.045

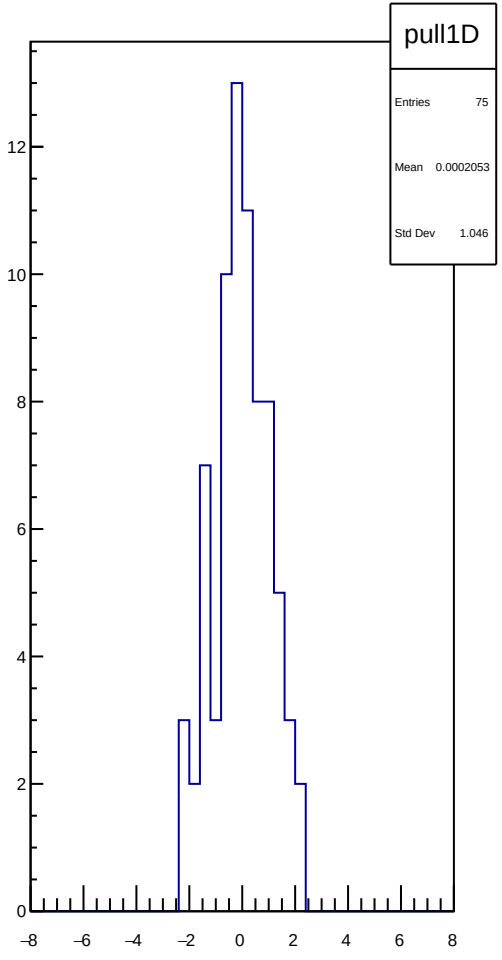

asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1551 / 74
p0 7354 ± 6.048
8200
8000
7800
7600
7400
7200
7000
6800

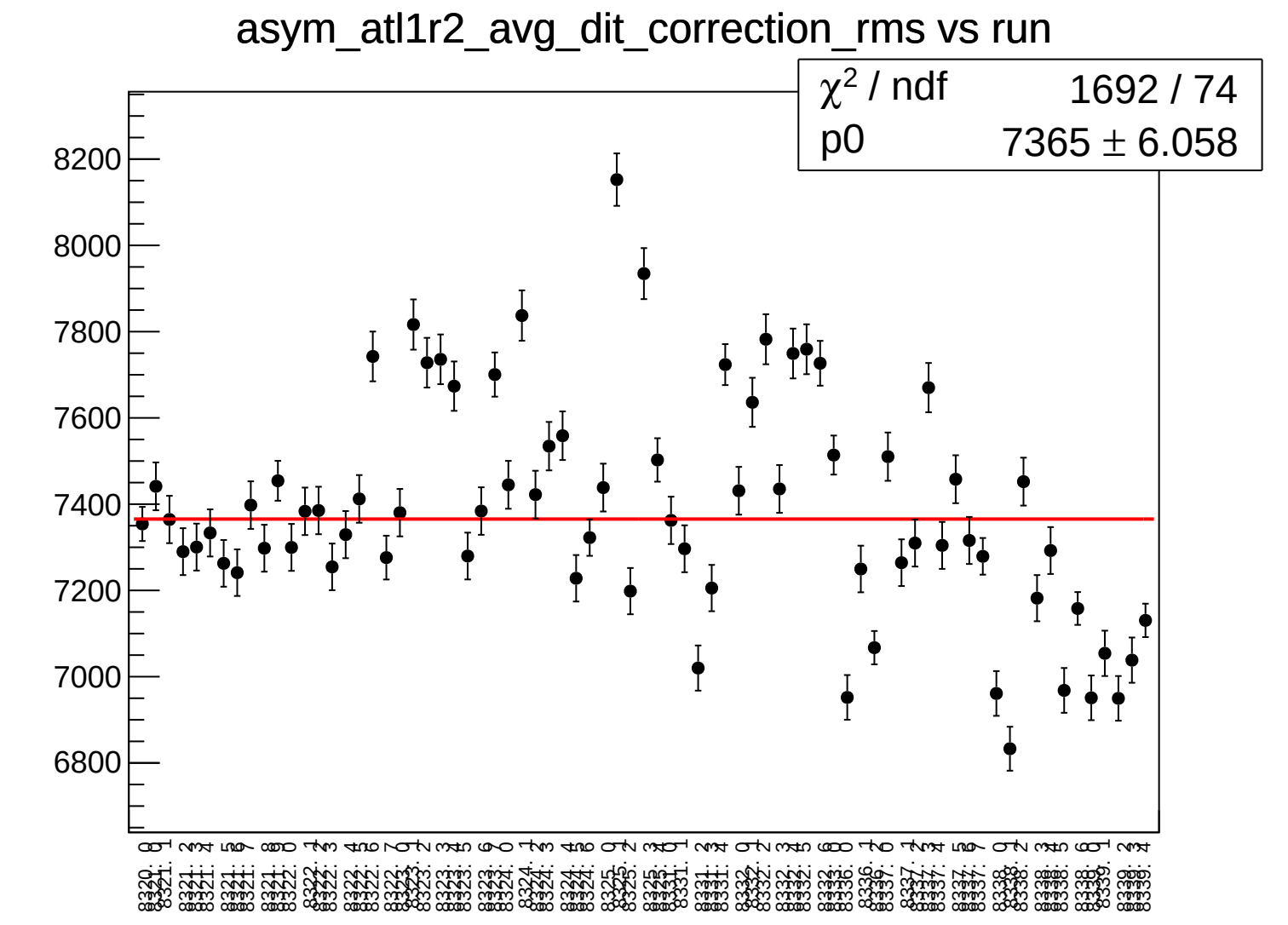

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 63.03 / 74
p0 −1488 ± 2126
pull
Entries 75
Mean −73.18
Std Dev 0

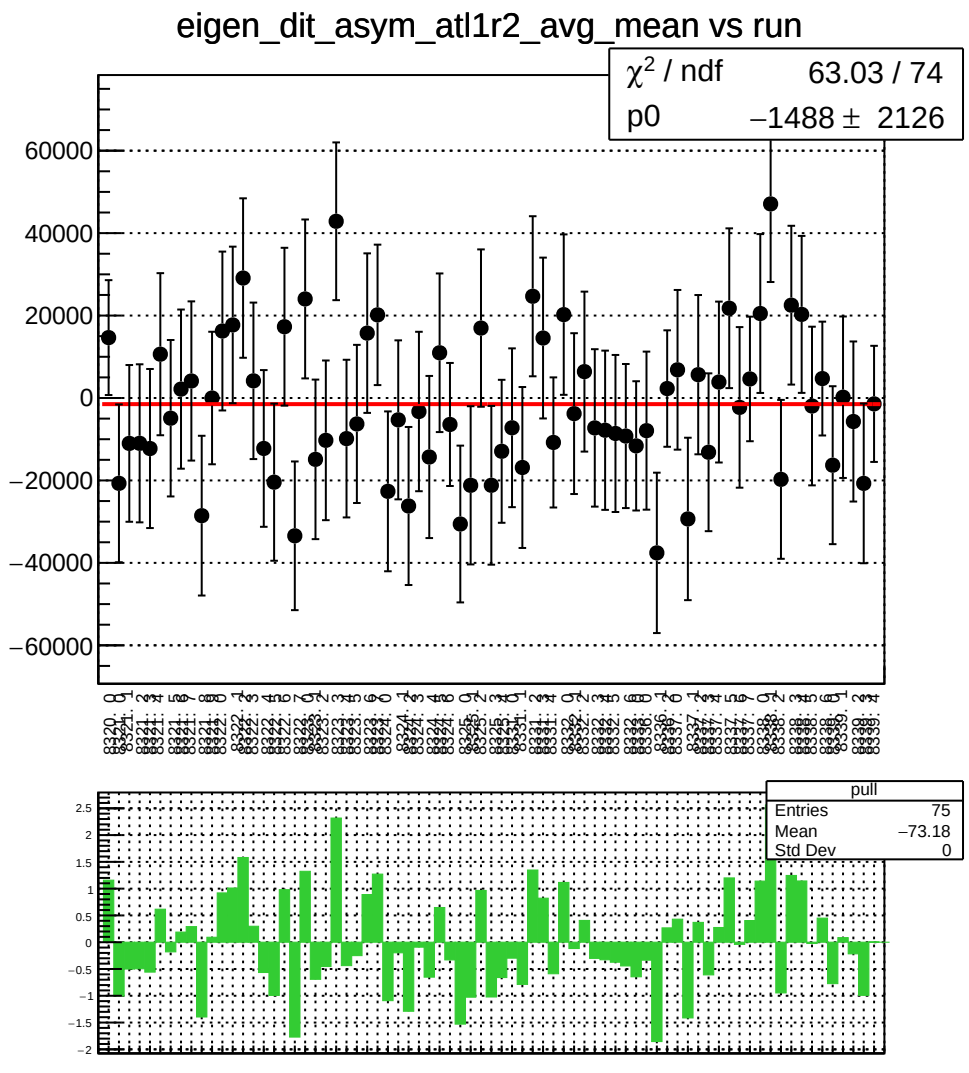

pull1D
Entries 75
Mean −0.006021
Std Dev 0.9167

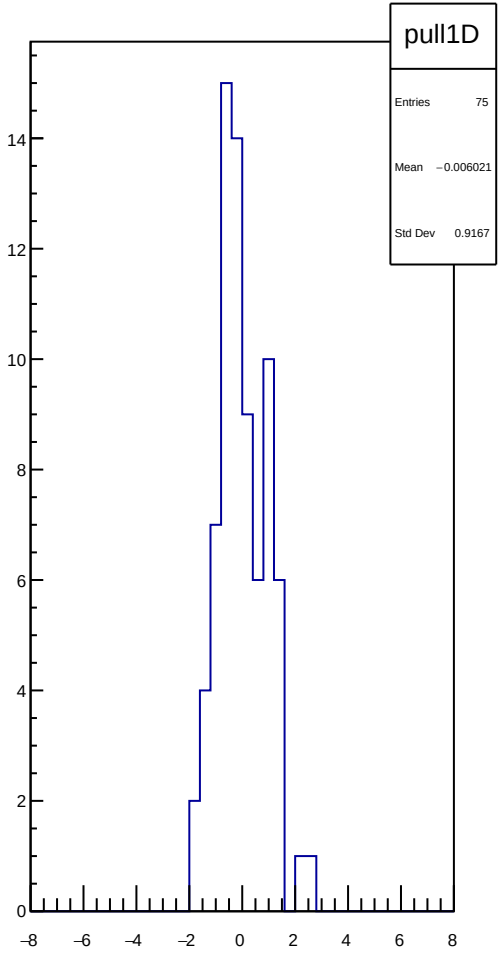

dit_asym_atl1r2_avg_rms vs run
χ² / ndf 103.8 / 74
p0 1829 ± 1.503
1880
1860
1840
1820
1800
1780

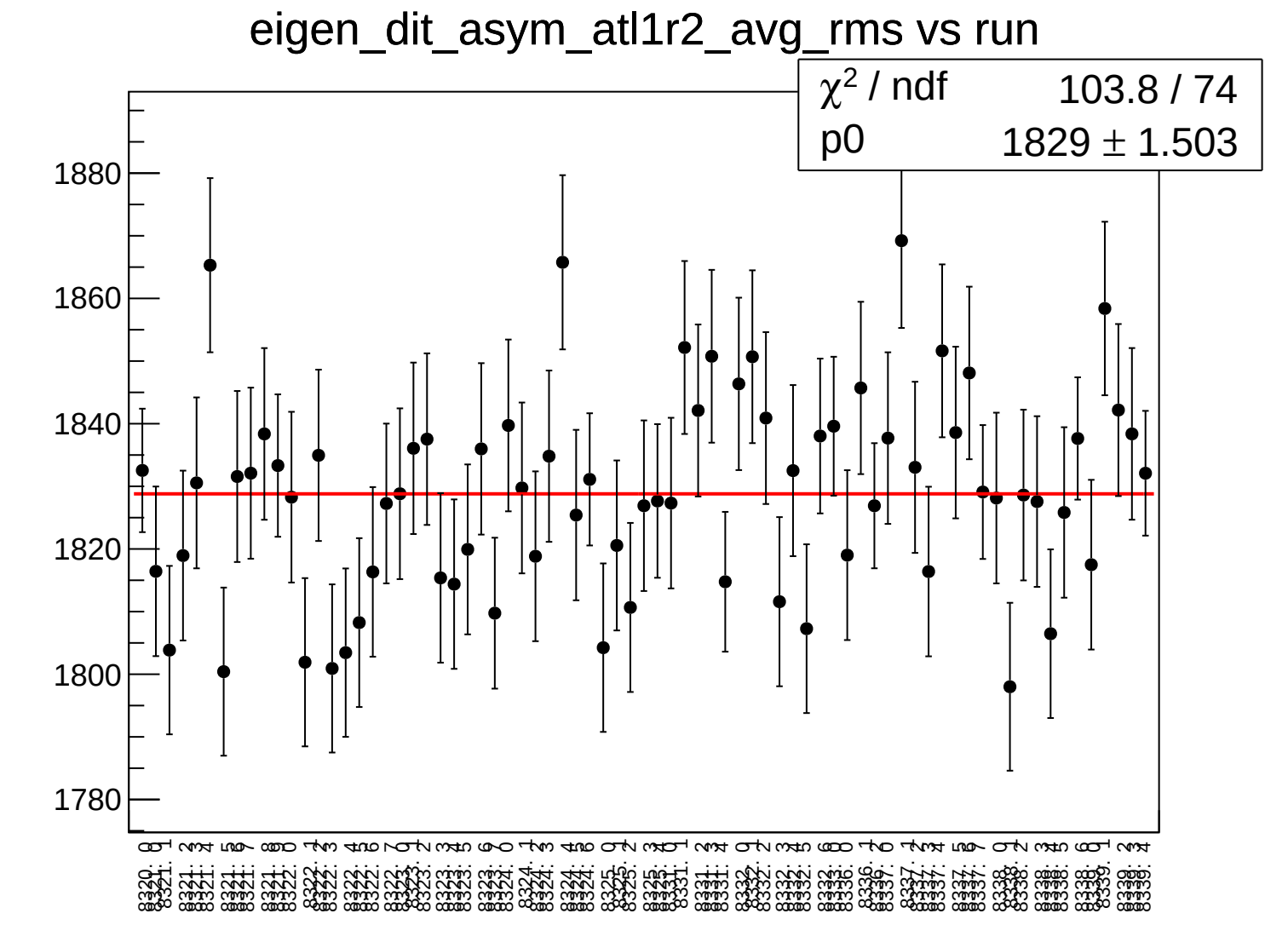

asym_atl1r2_avg_dit_correction_mean vs run
χ² / ndf 82.14 / 74
p0 −4988 ± 8567
×10³
pull
Entries 75
Mean −4672
Std Dev 0

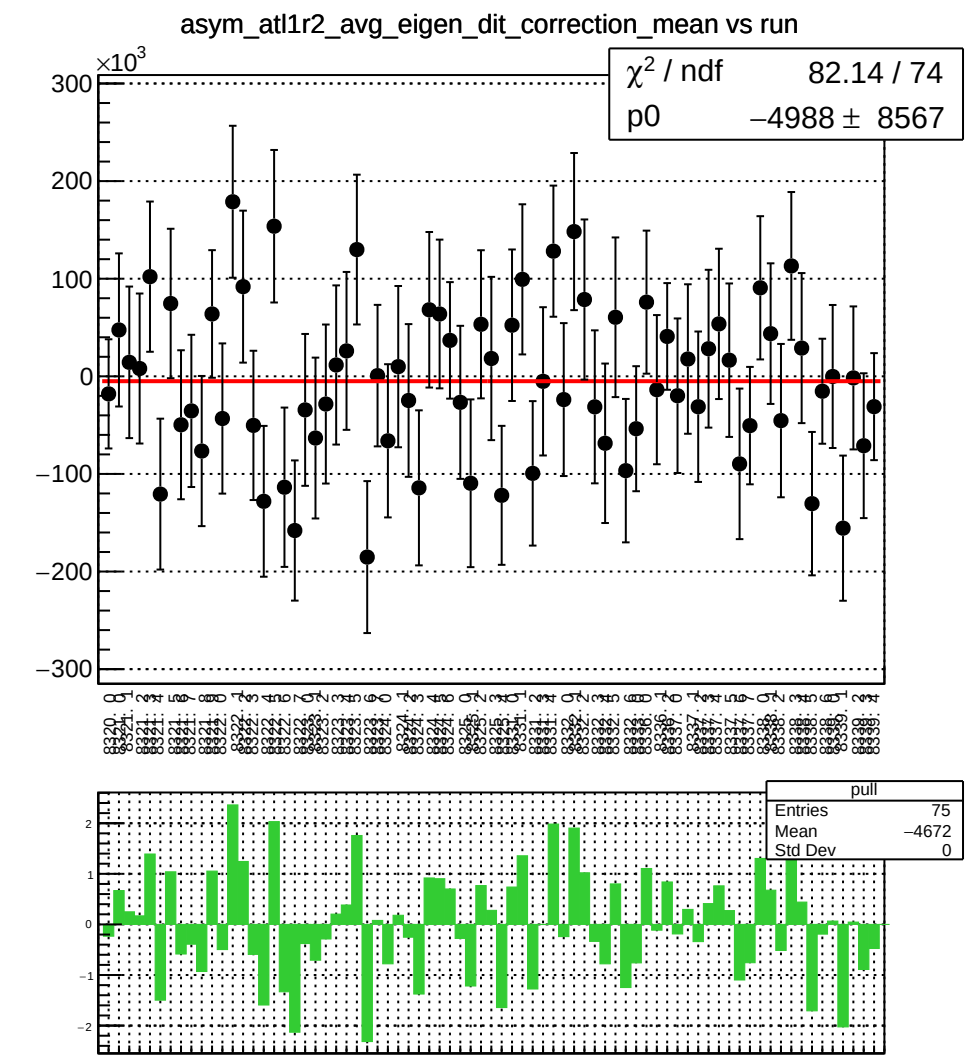

pull1D
Entries 75
Mean 0.0002053
Std Dev 1.046

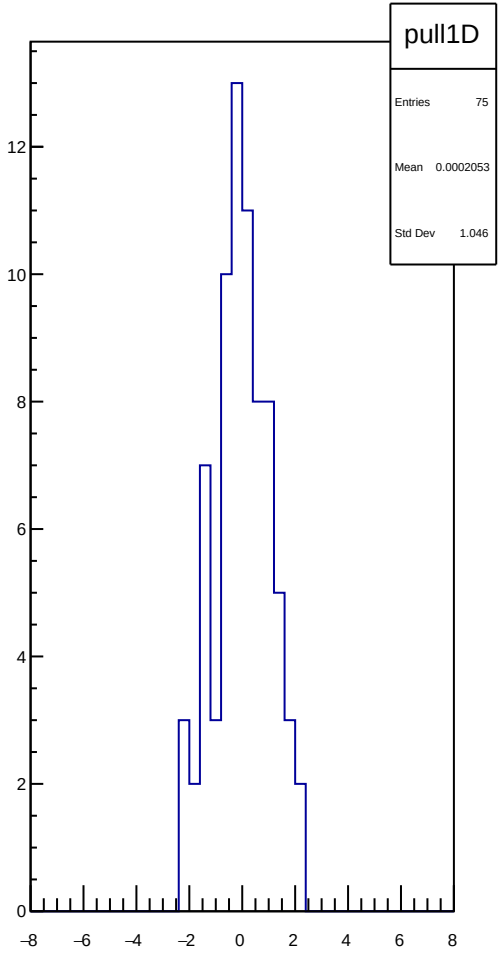

asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 1692 / 74
p0 7365 ± 6.058
8200
8000
7800
7600
7400
7200
7000
6800

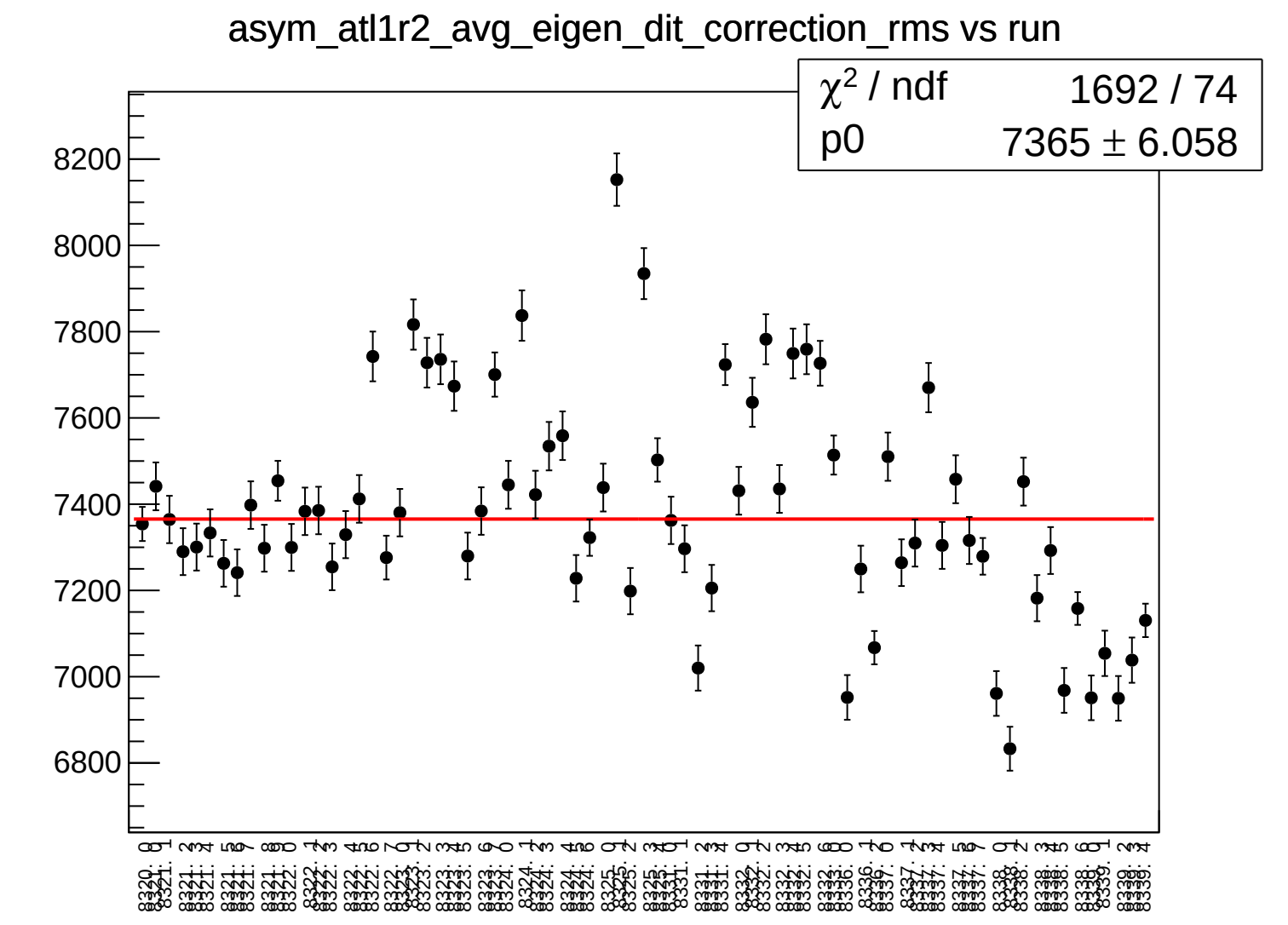

eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 63.03 / 74
p0 −1488 ± 2126
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −73.18
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

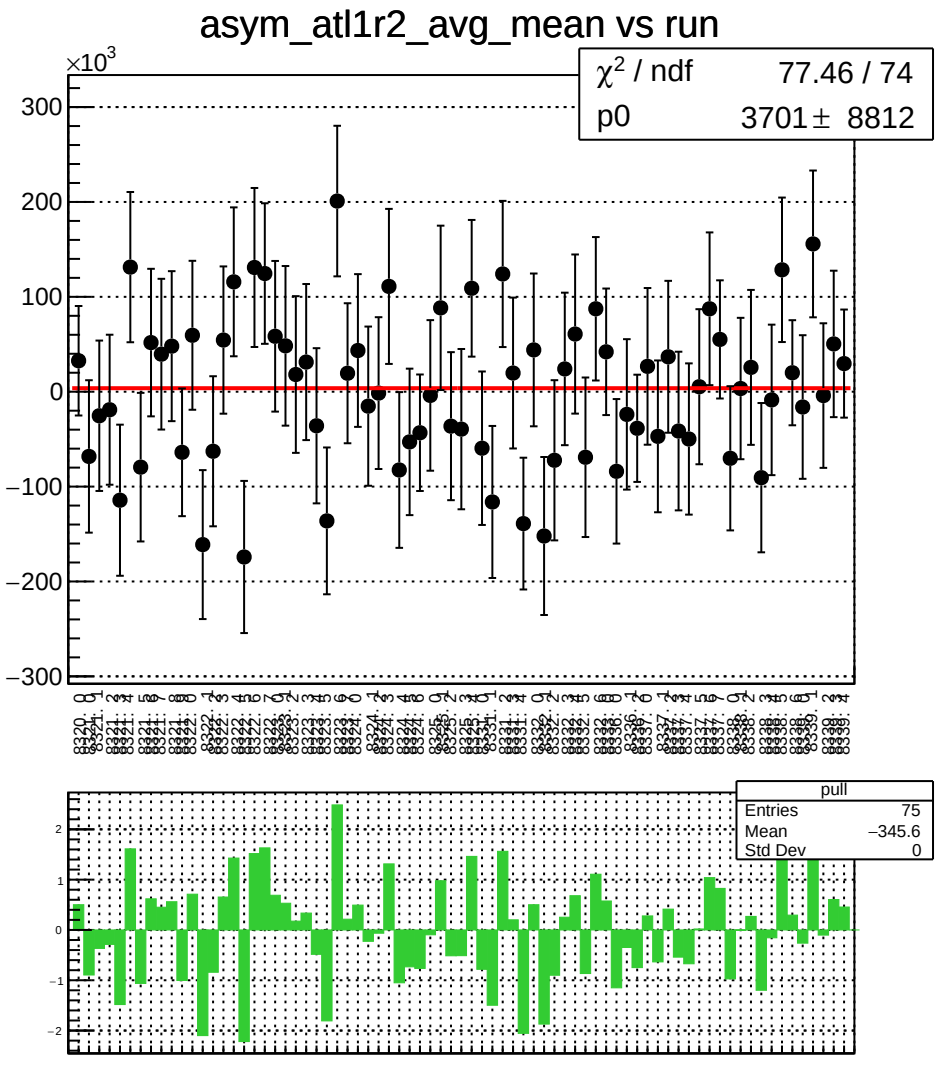

pull1D
Entries 75
Mean −0.006021
Std Dev 0.9167
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

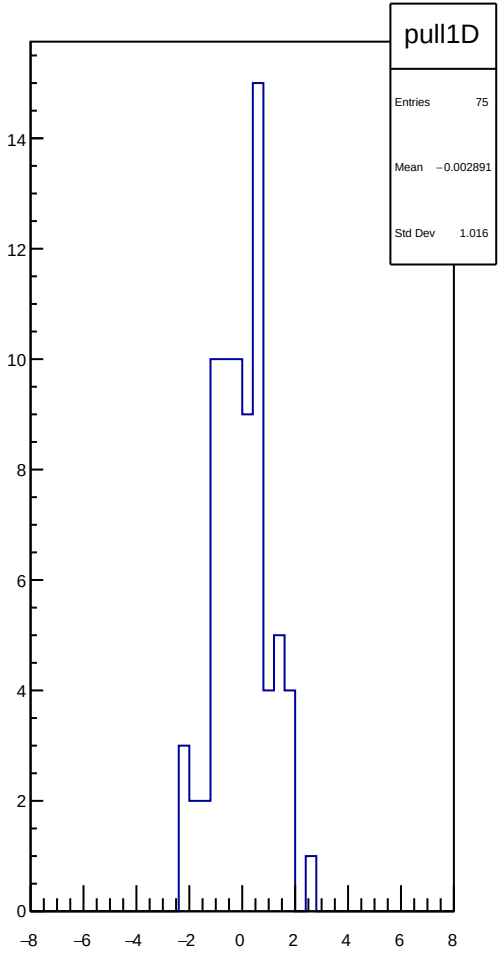

eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 103.8 / 74
p0 1829 ± 1.503
1880
1860
1840
1820
1800
1780

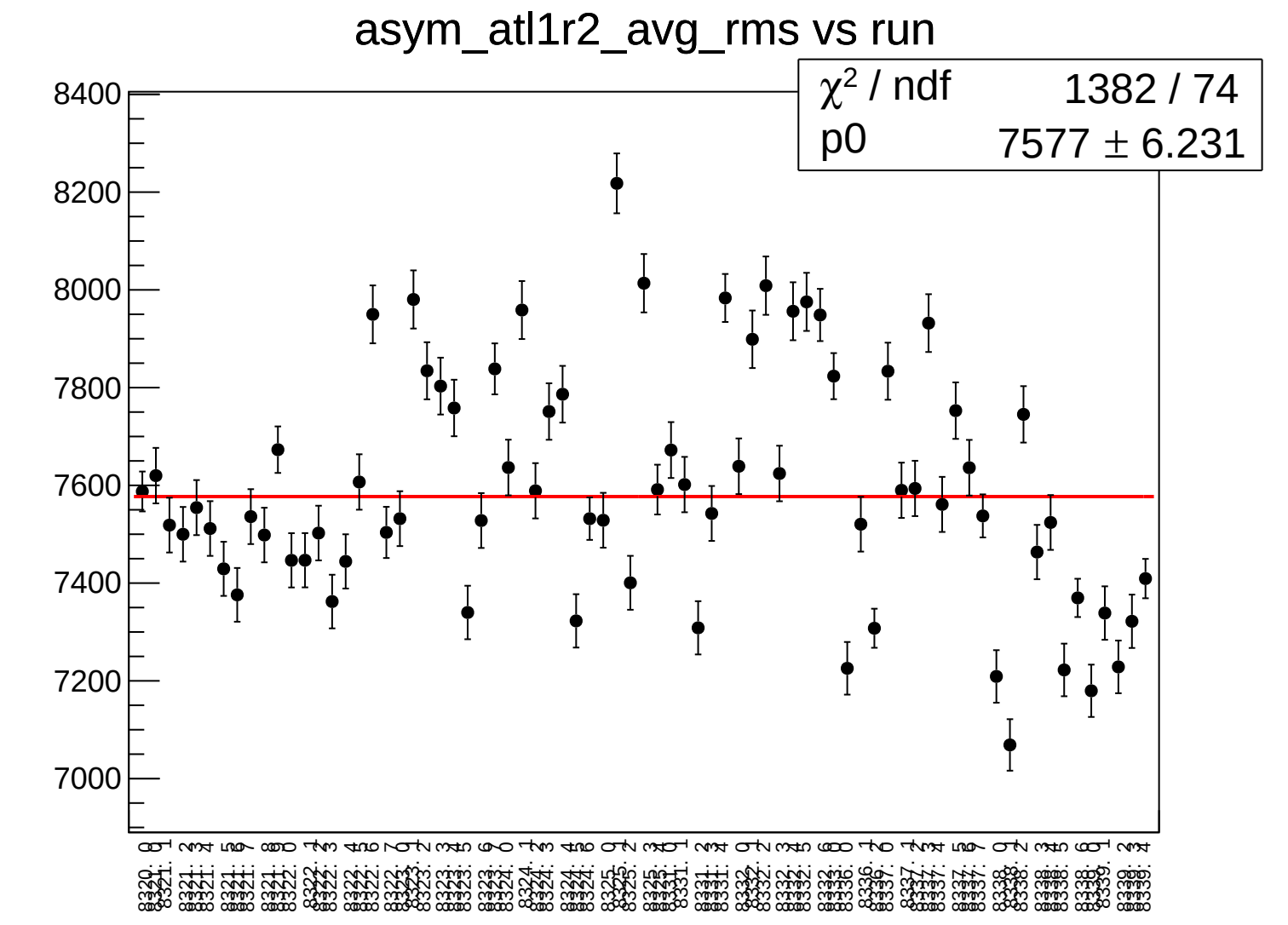

asym_atl1r2_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.14 / 74
p0 −4988 ± 8567
pull
Entries 75
Mean −4672
Std Dev 0

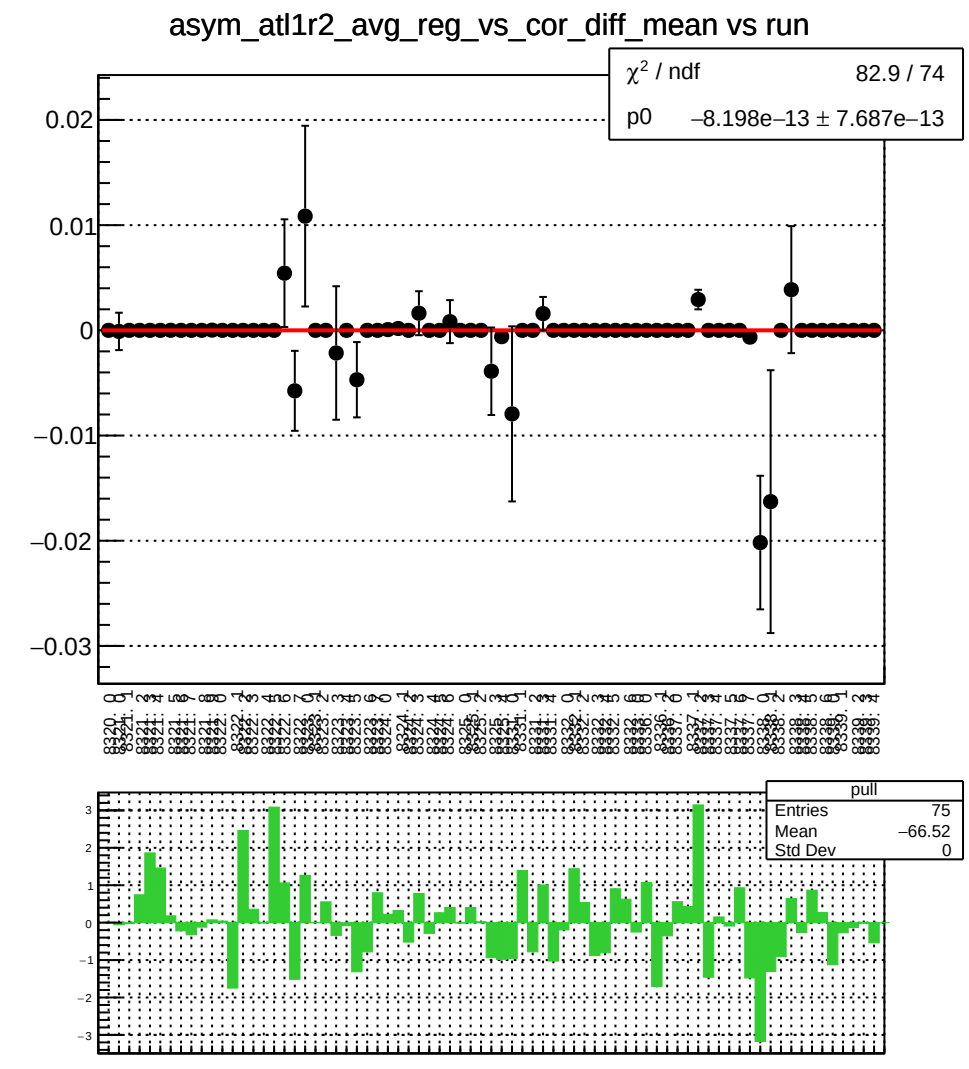

pull1D
Entries 75
Mean 0.0002053
Std Dev 1.046

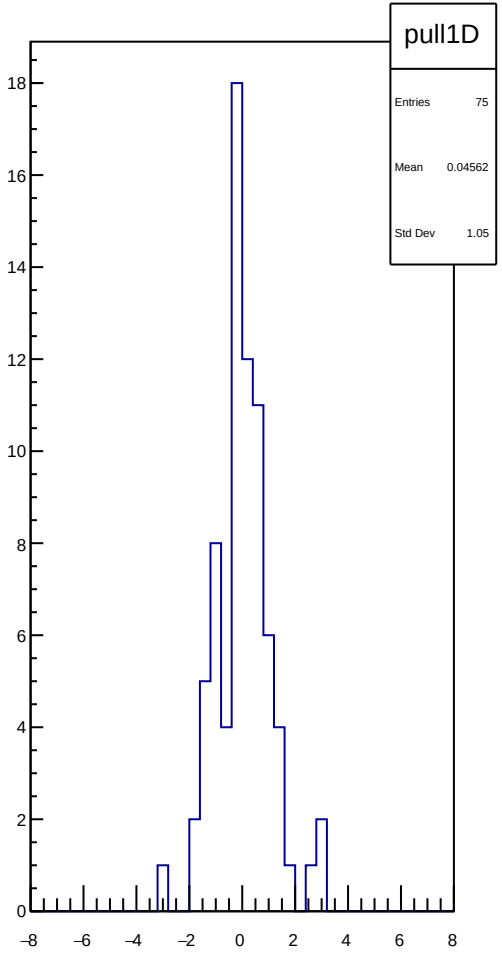

asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1692 / 74
p0 7365 ± 6.058
8200
8000
7800
7600
7400
7200
7000
6800

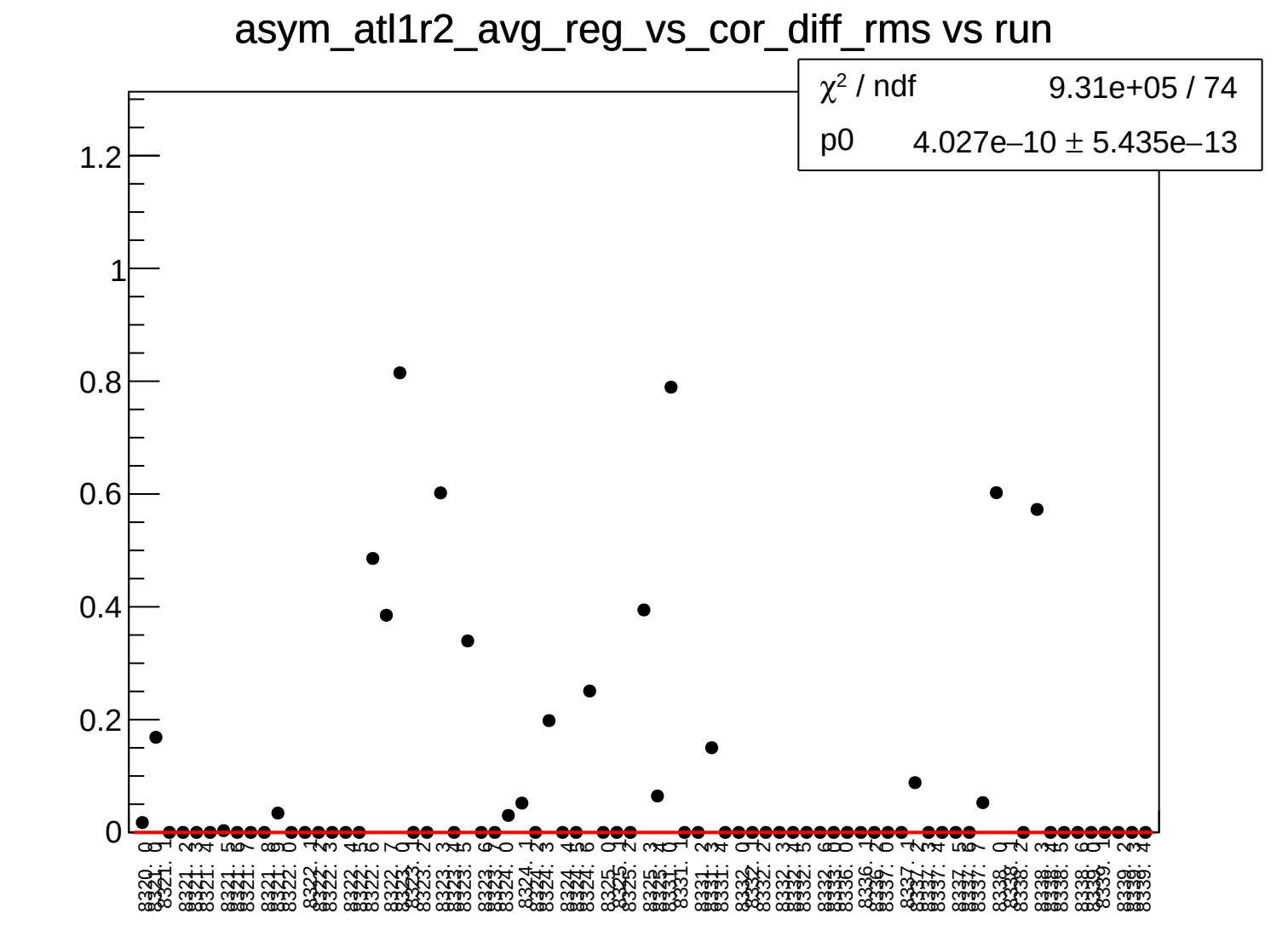

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 77.46 / 74
p0 3701 ± 8812
pull
Entries 75
Mean −345.6
Std Dev 0

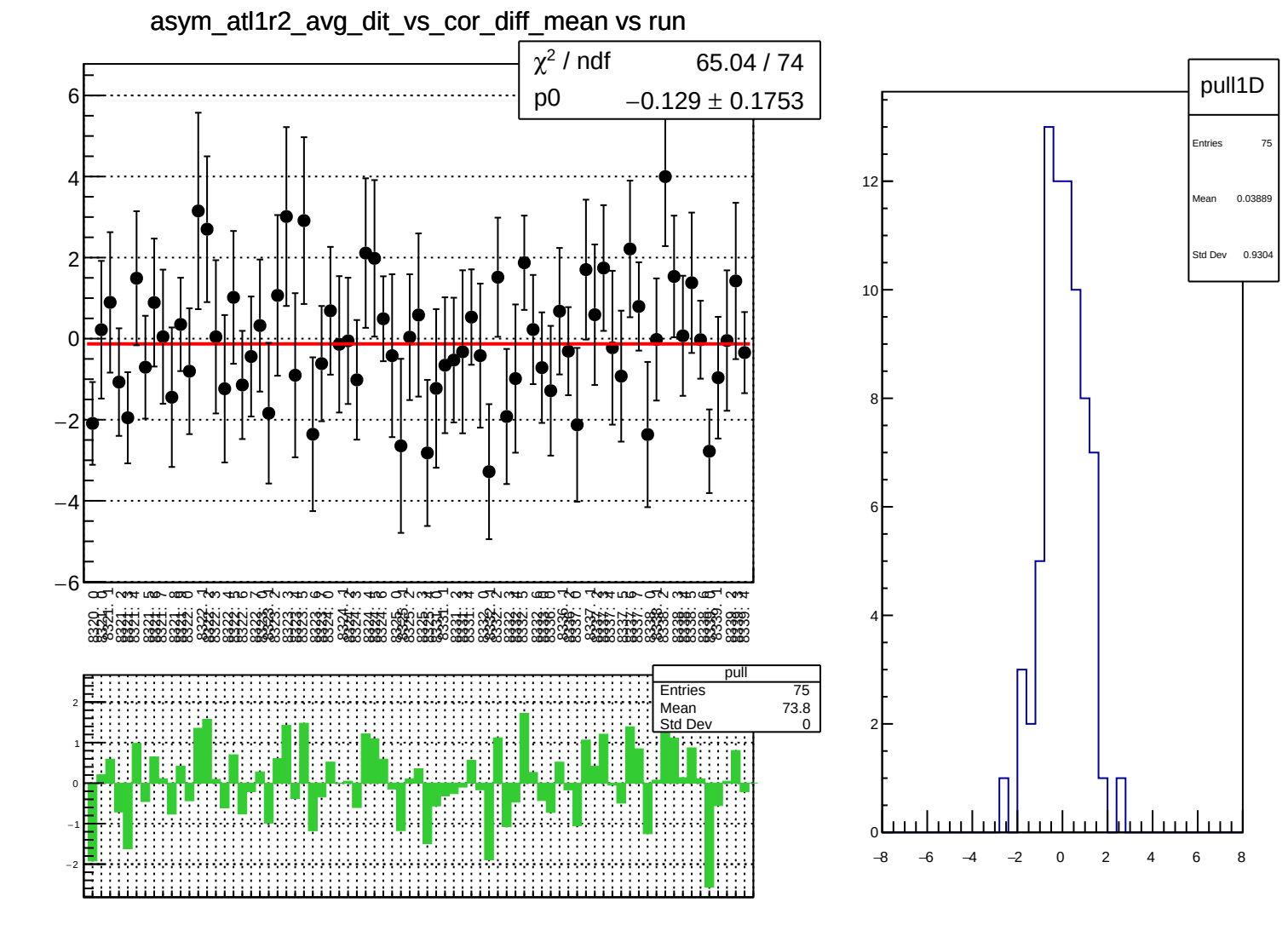

pull1D
Entries 75
Mean −0.002891
Std Dev 1.016

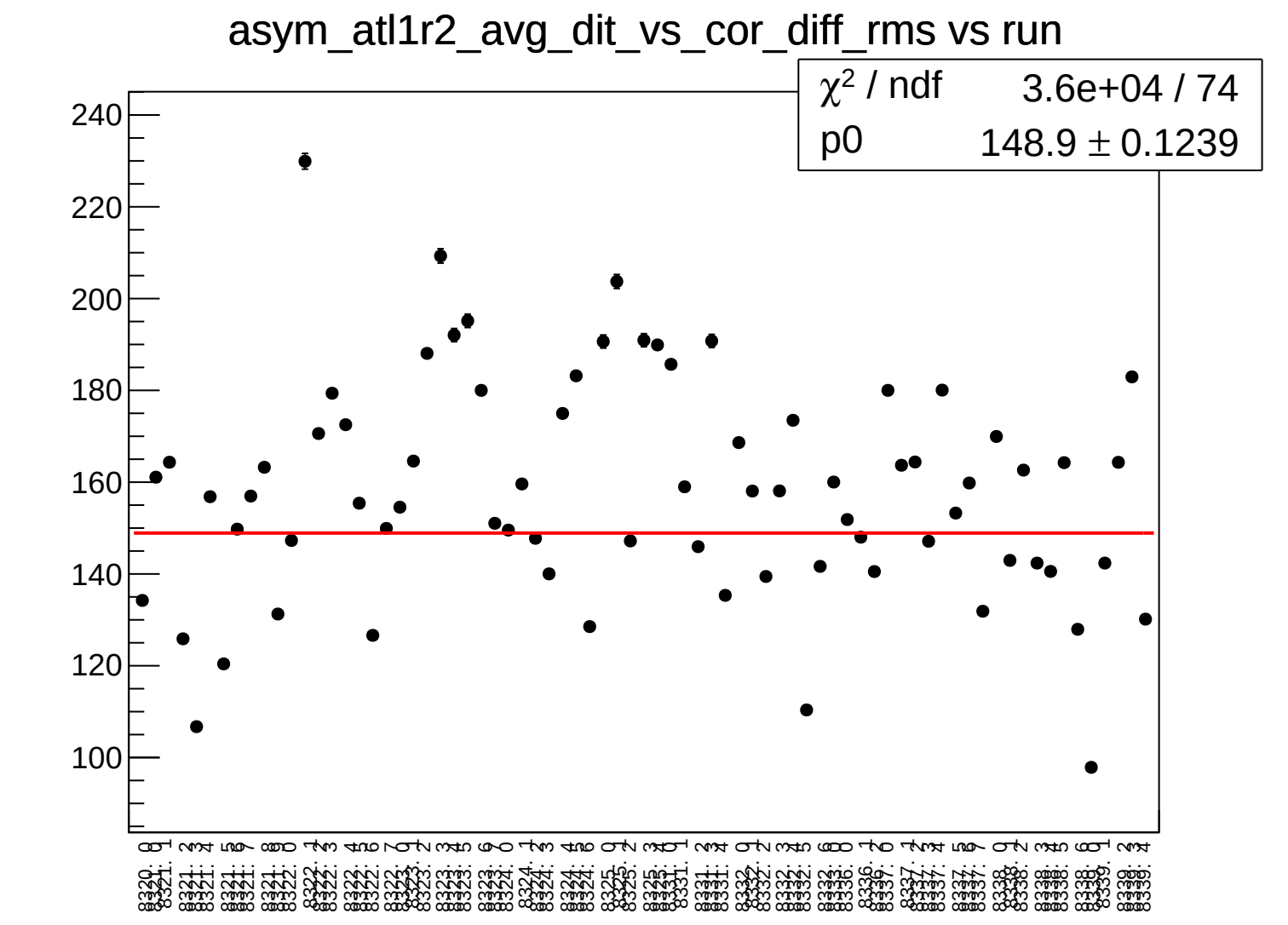

asym_atl1r2_avg_rms vs run
χ² / ndf 1382 / 74
p0 7577 ± 6.231
8400
8200
8000
7800
7600
7400
7200
7000

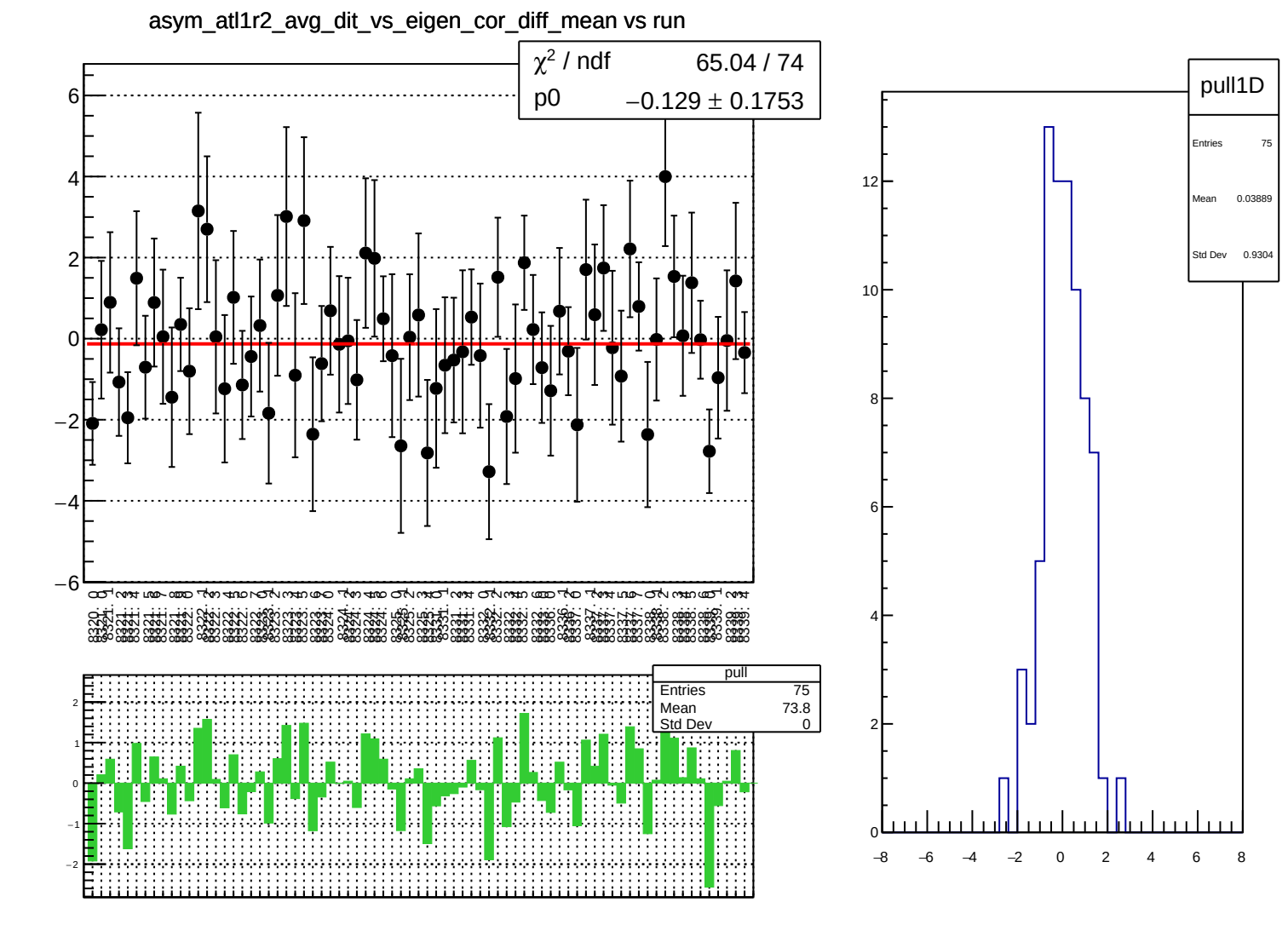

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 82.9 / 74
p0 −8.198e−13 ± 7.687e−13
pull
Entries 75
Mean −66.52
Std Dev 0

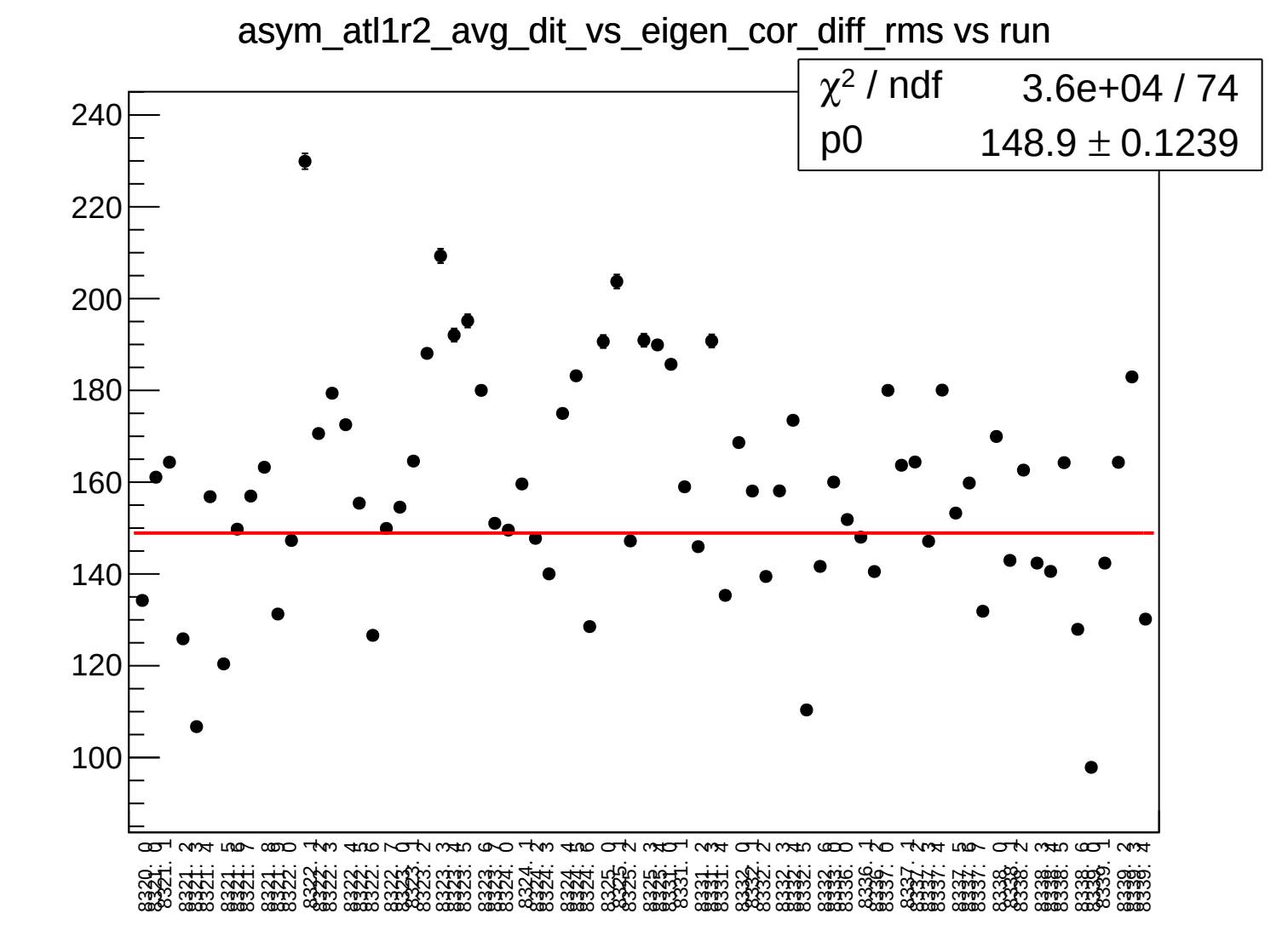

pull1D
Entries 75
Mean 0.04562
Std Dev 1.05

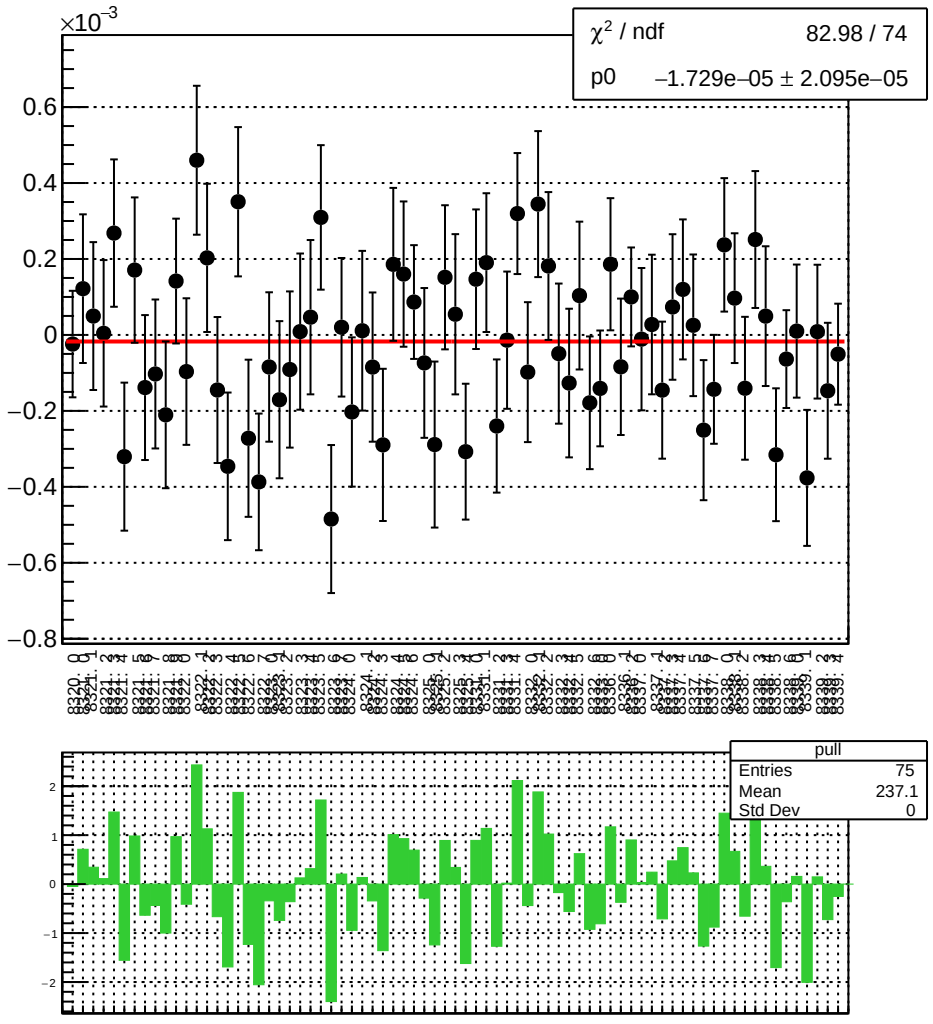

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.31e+05 / 74
p0 4.027e−10 ± 5.435e−13
1.2
1
0.8
0.6
0.4
0.2
0

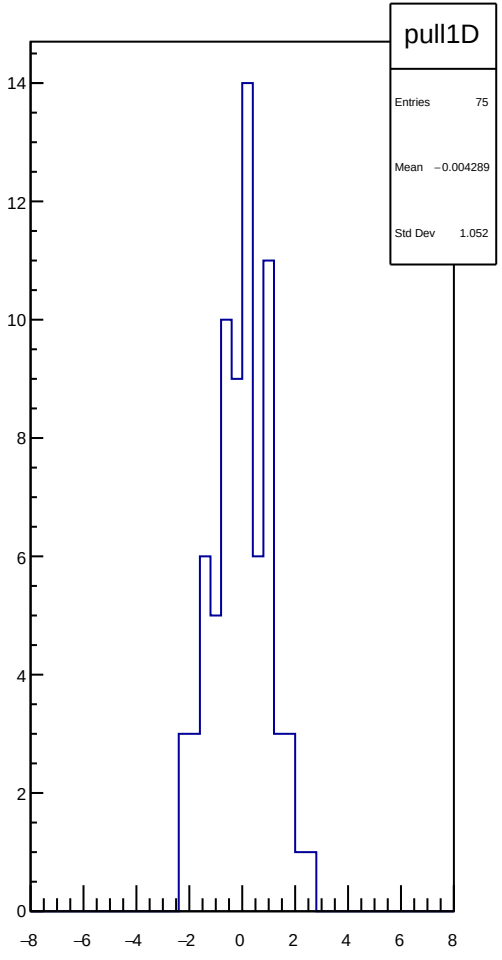

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 65.04 / 74
p0 −0.129 ± 0.1753
pull
Entries 75
Mean 73.8
Std Dev 0
pull1D
Entries 75
Mean 0.03889
Std Dev 0.9304

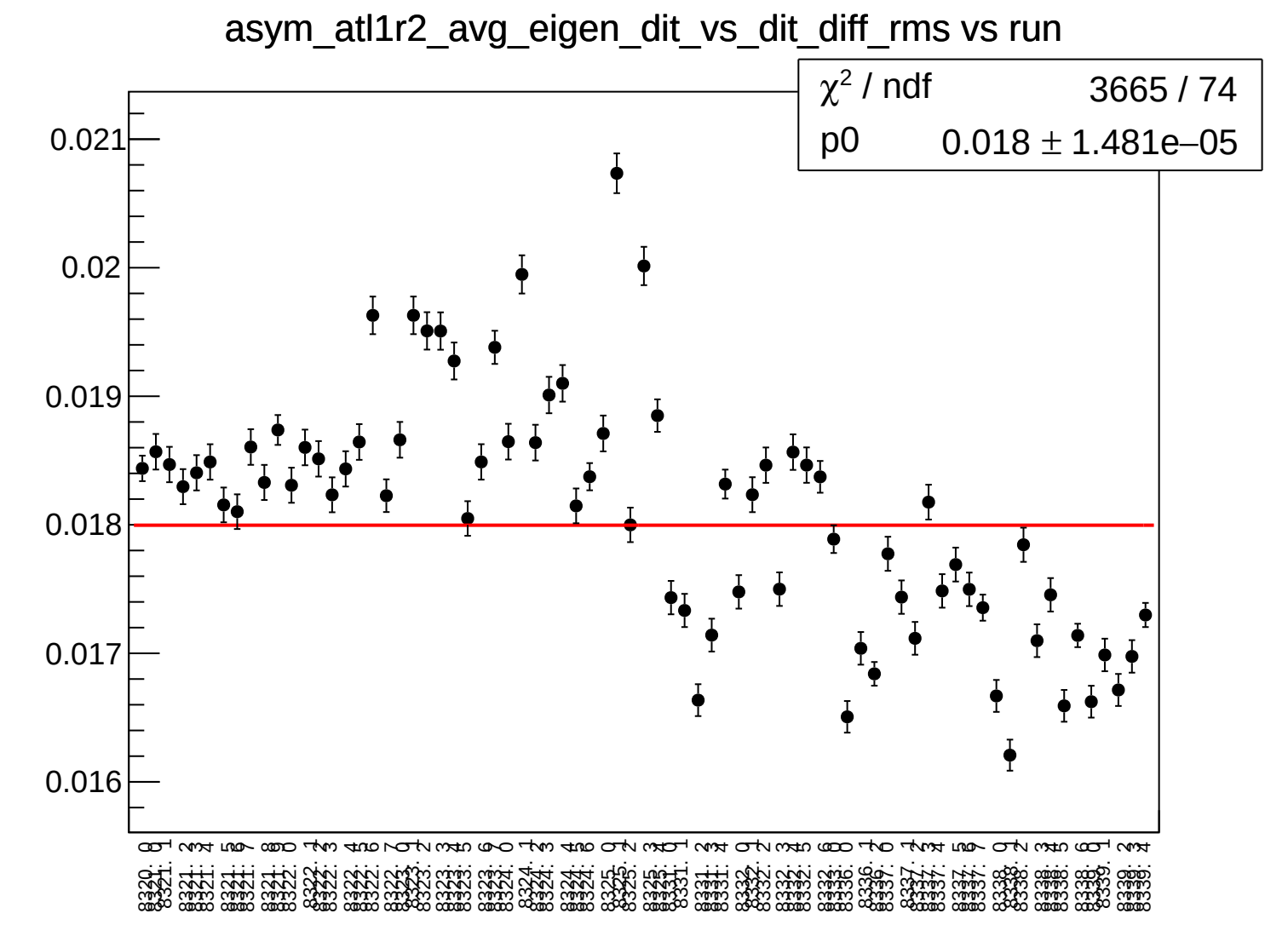

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.6e+04 / 74
p0 148.9 ± 0.1239
240
220
200
180
160
140
120
100

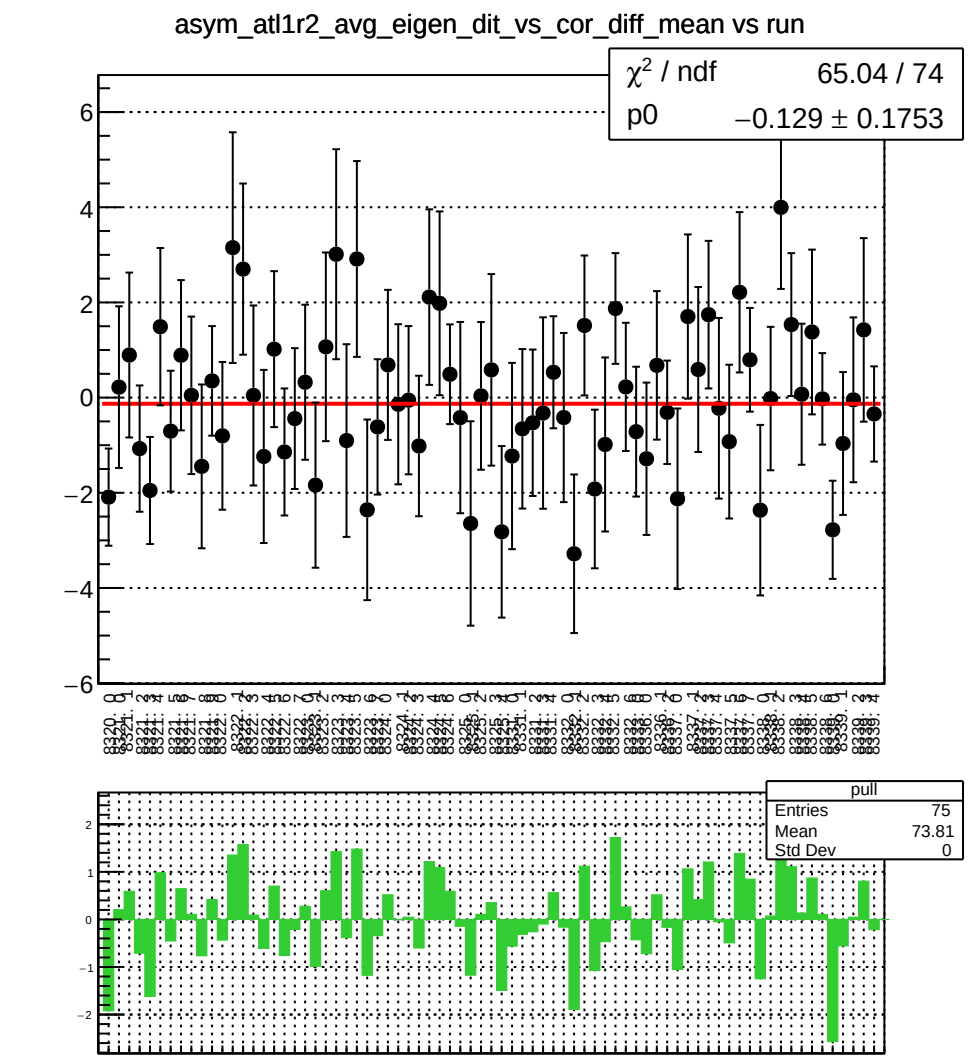

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.04 / 74
p0 −0.129 ± 0.1753
pull
Entries 75
Mean 73.8
Std Dev 0
pull1D
Entries 75
Mean 0.03889
Std Dev 0.9304

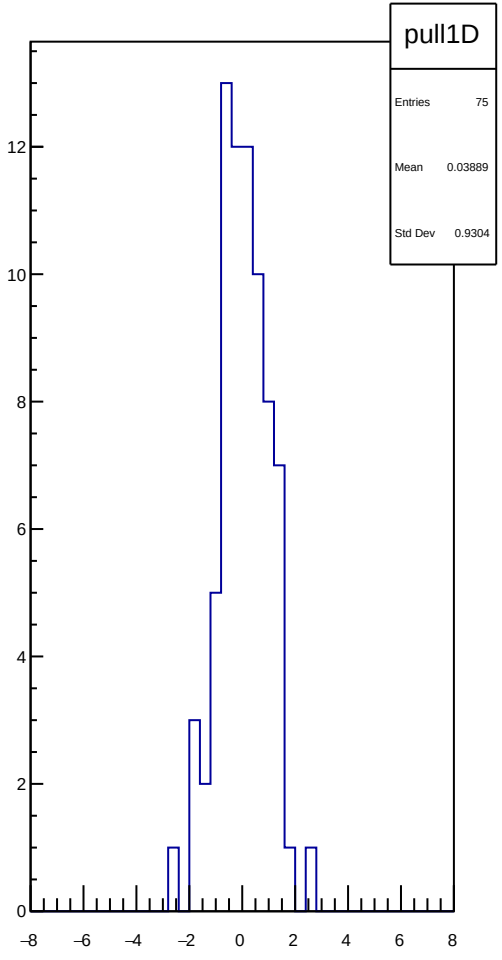

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.6e+04 / 74
p0 148.9 ± 0.1239
240
220
200
180
160
140
120
100

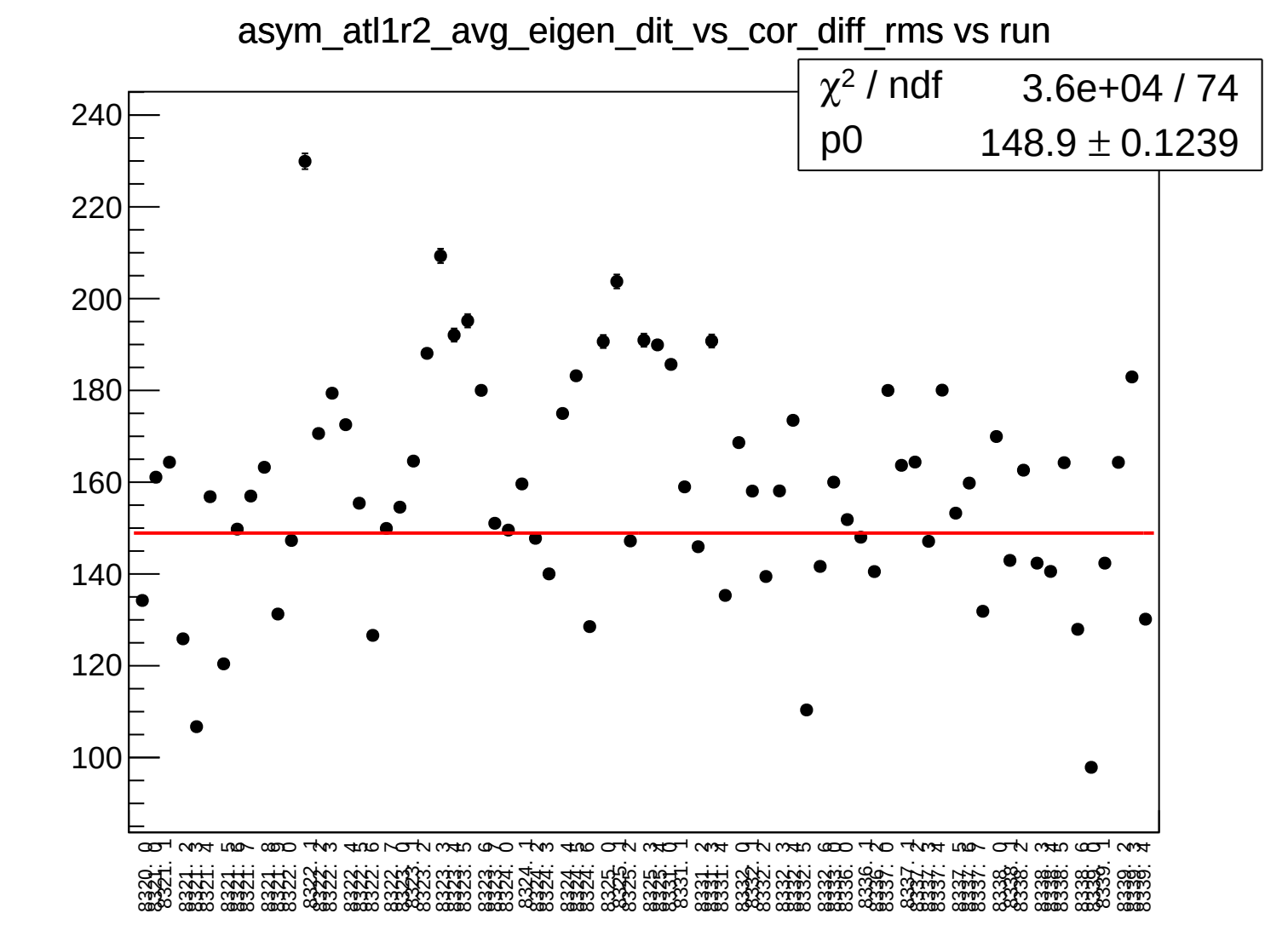

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.98 / 74
p0 −1.729e−05 ± 2.095e−05
pull
Entries 75
Mean 237.1
Std Dev 0

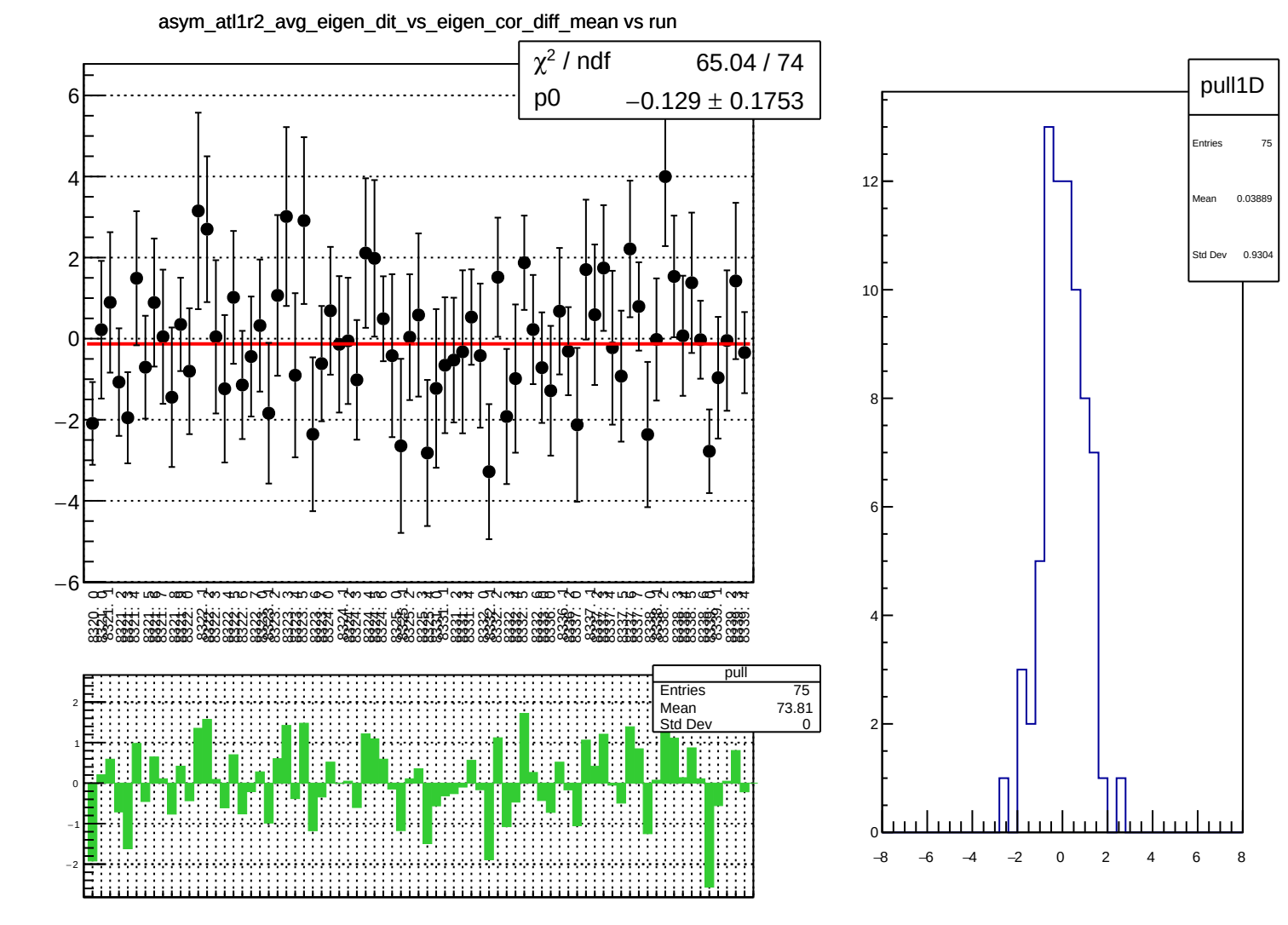

pull1D
Entries 75
Mean −0.004289
Std Dev 1.052

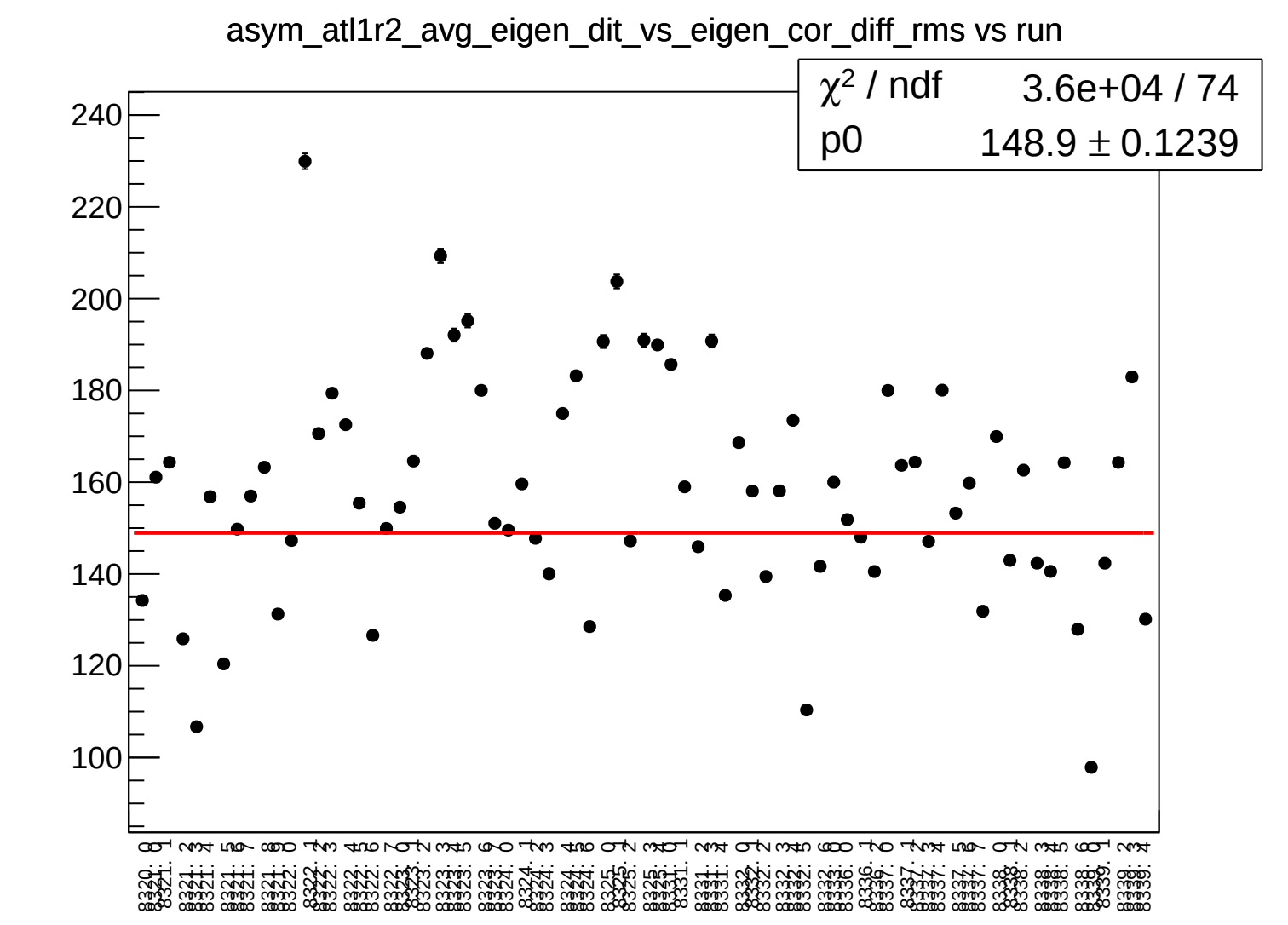

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3665 / 74
p0 0.018 ± 1.481e–05
0.021
0.02
0.019
0.018
0.017
0.016

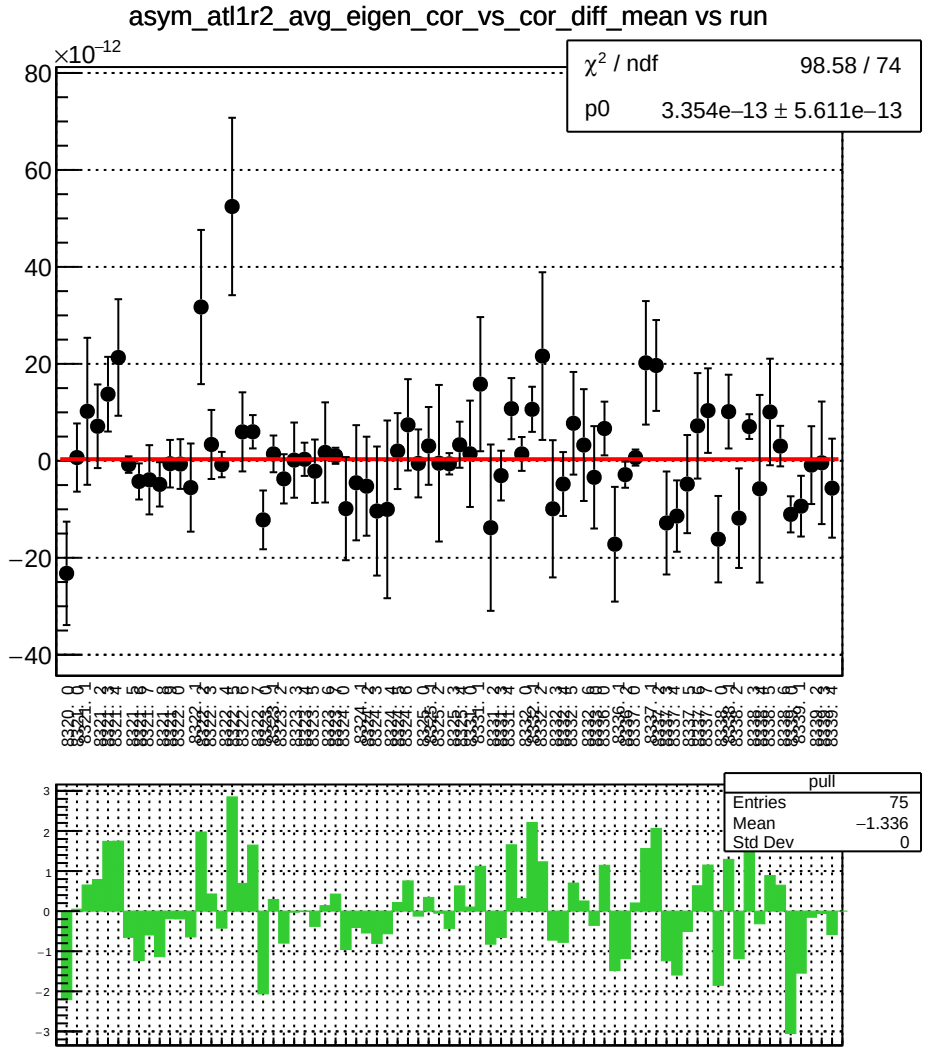

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.04 / 74
p0 −0.129 ± 0.1753
pull
Entries 75
Mean 73.81
Std Dev 0

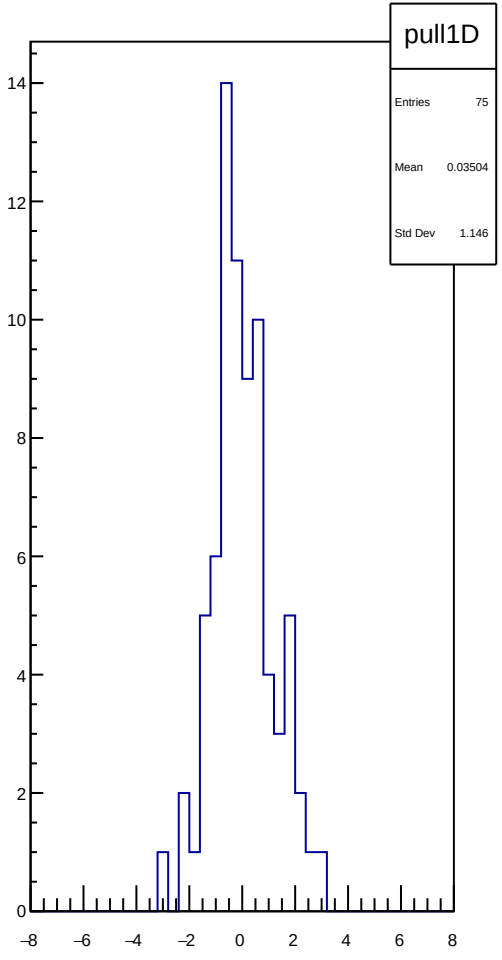

pull1D
Entries 75
Mean 0.03889
Std Dev 0.9304

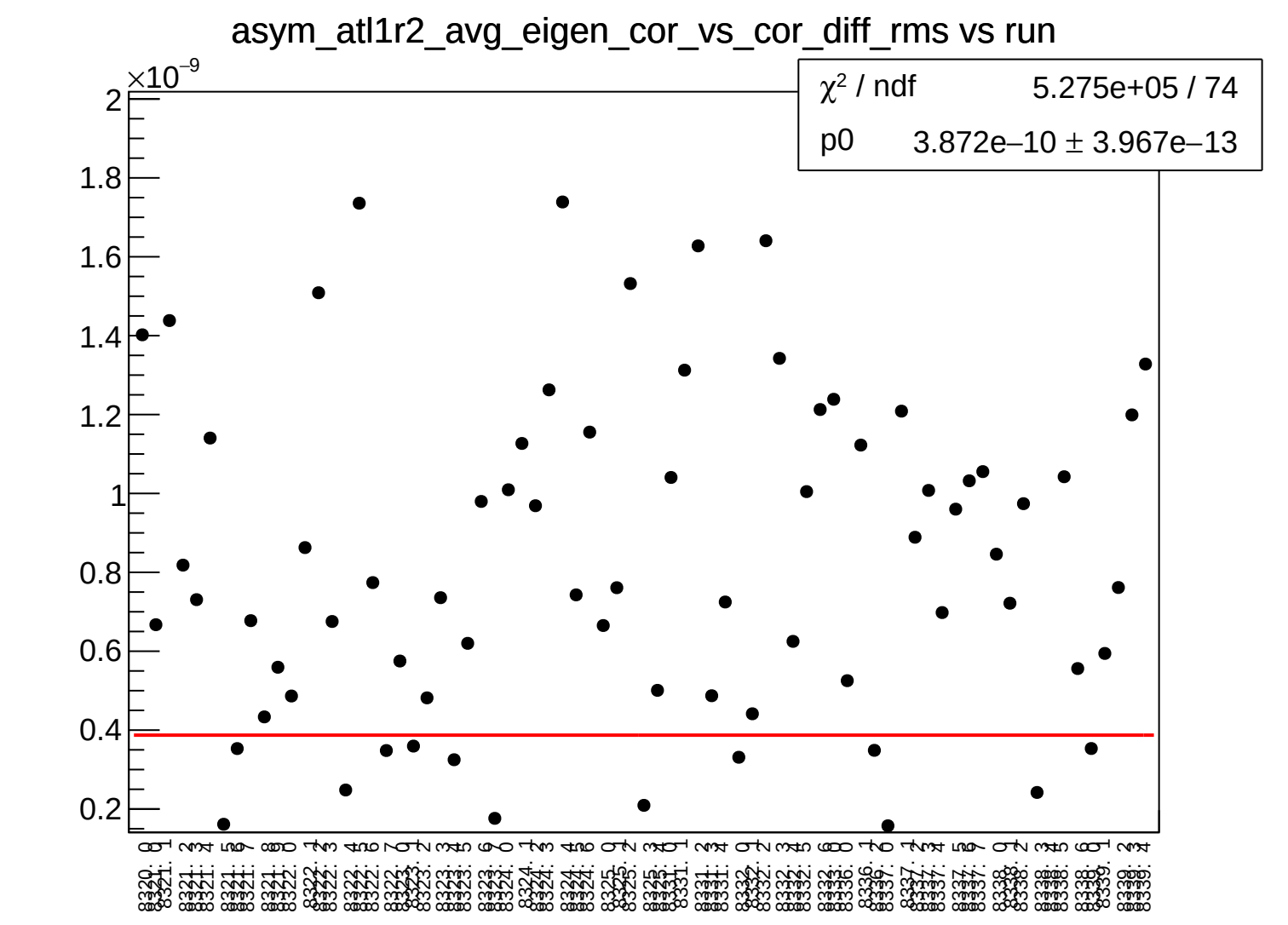

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.6e+04 / 74
p0 148.9 ± 0.1239
240
220
200
180
160
140
120
100

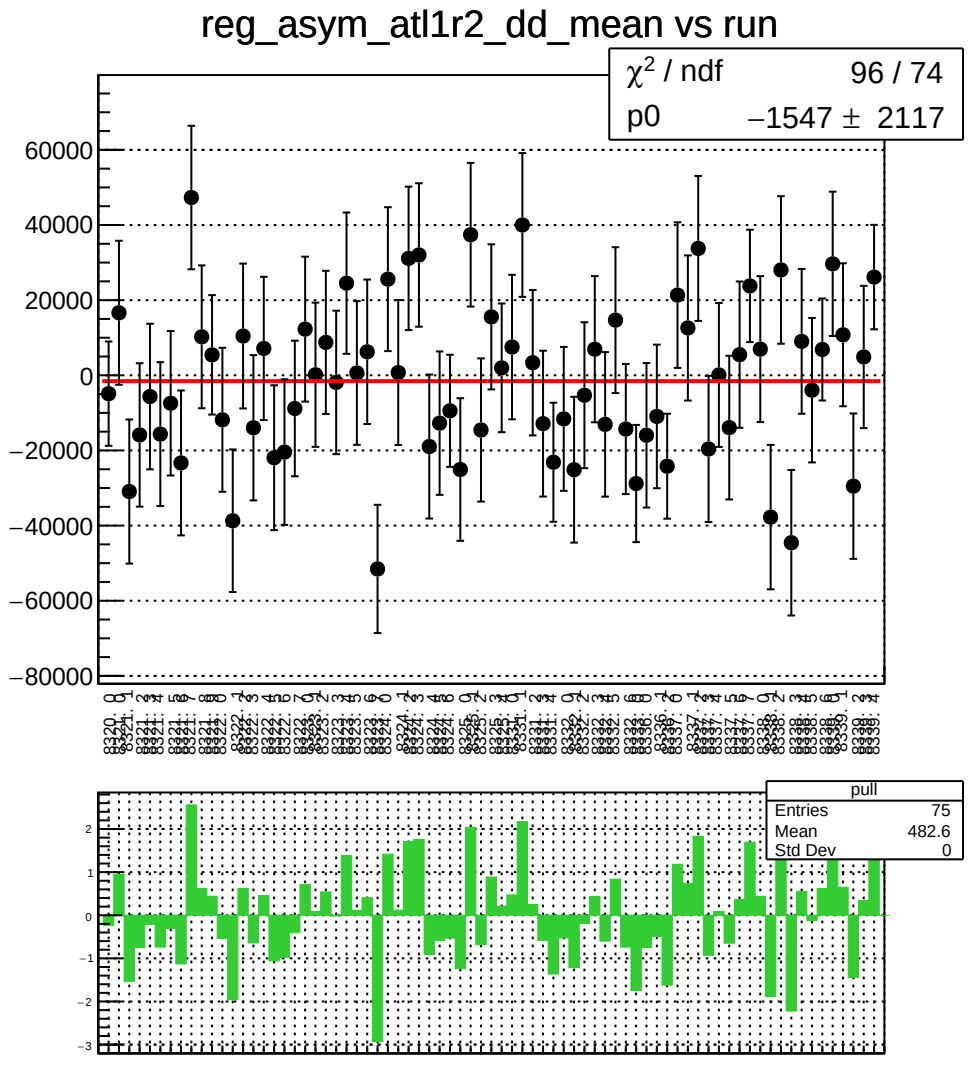

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.04 / 74
p0 −0.129 ± 0.1753
pull
Entries 75
Mean 73.81
Std Dev 0
pull1D
Entries 75
Mean 0.03889
Std Dev 0.9304

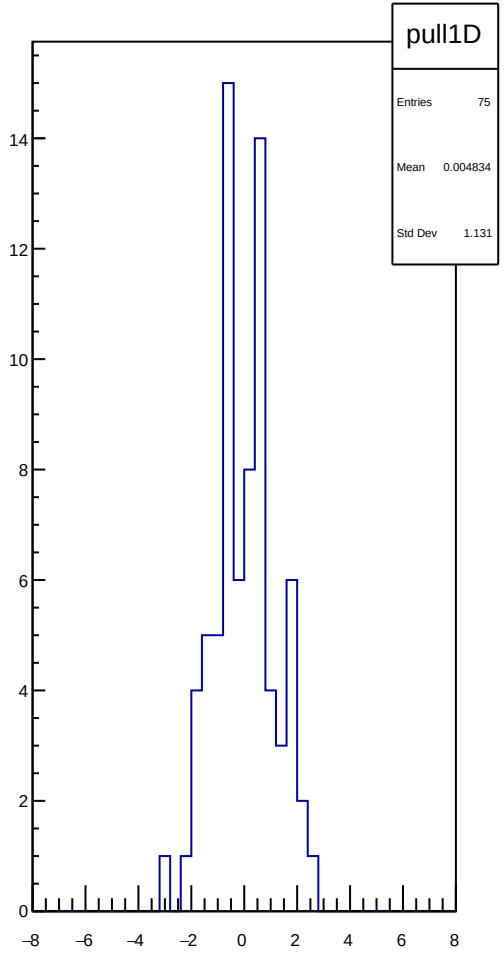

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.6e+04 / 74
p0 148.9 ± 0.1239
240
220
200
180
160
140
120
100

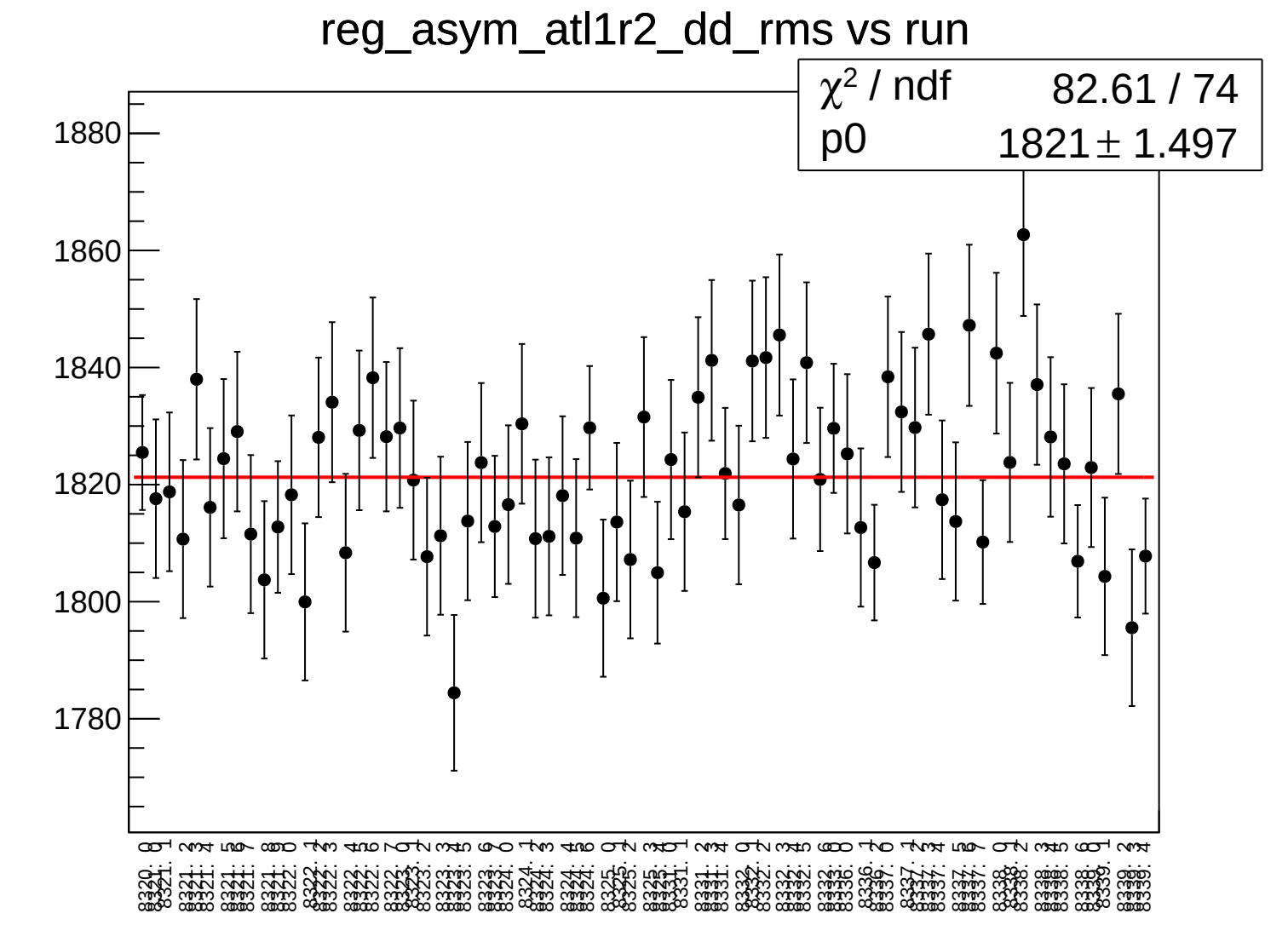

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 98.58 / 74
p0 3.354e−13 ± 5.611e−13
pull
Entries 75
Mean −1.336
Std Dev 0

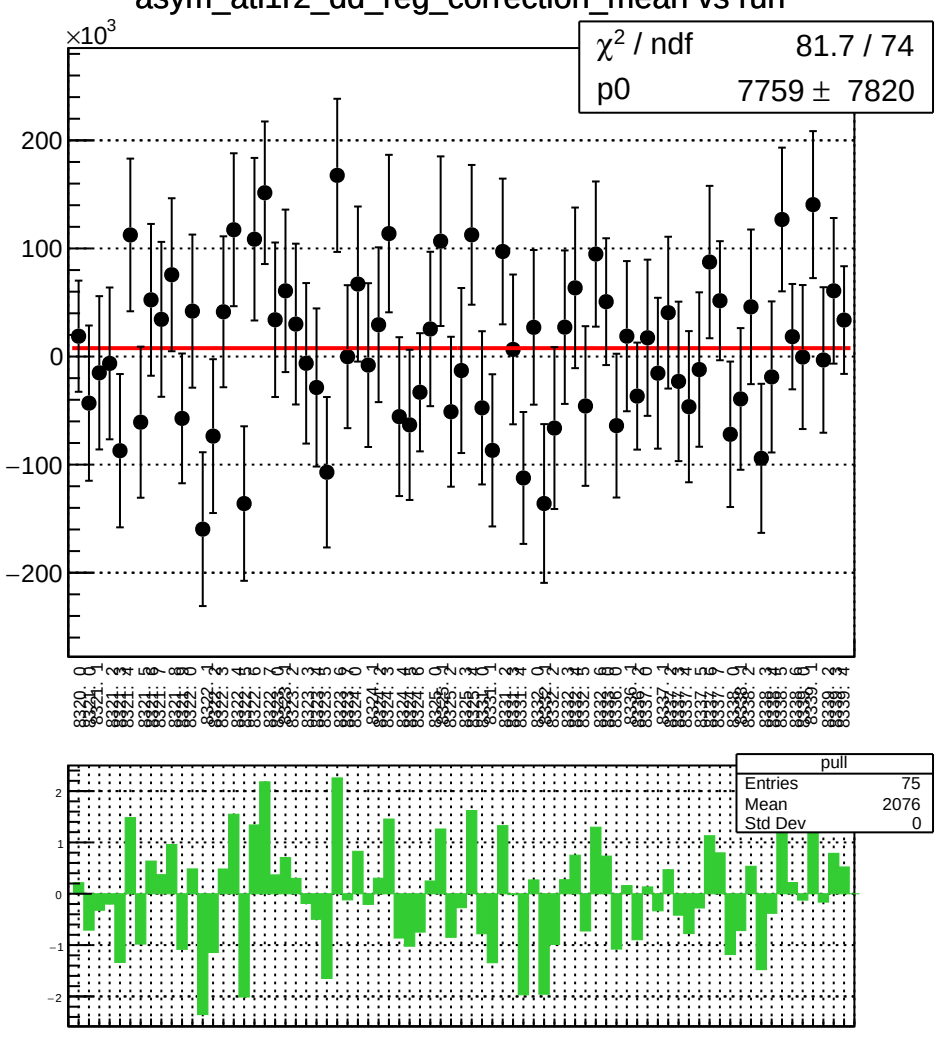

pull1D
Entries 75
Mean 0.03504
Std Dev 1.146

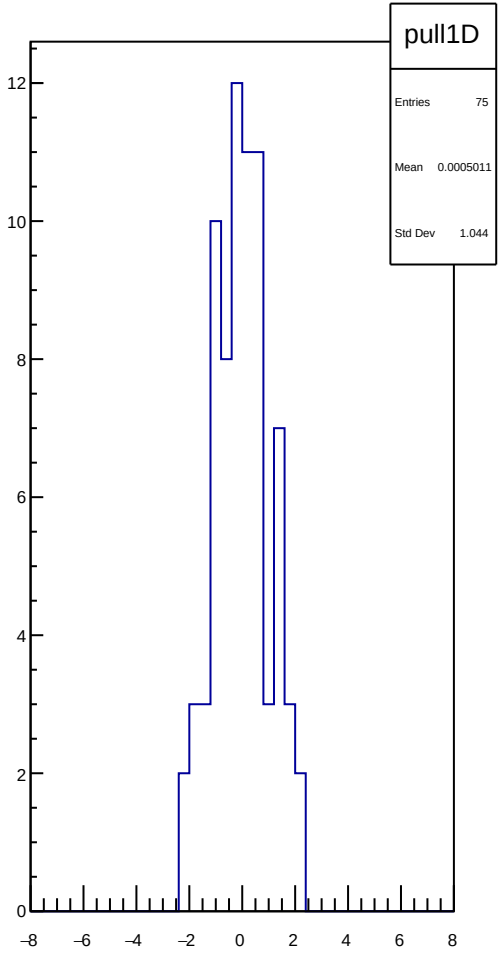

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.275e+05 / 74
p0 3.872e−10 ± 3.967e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

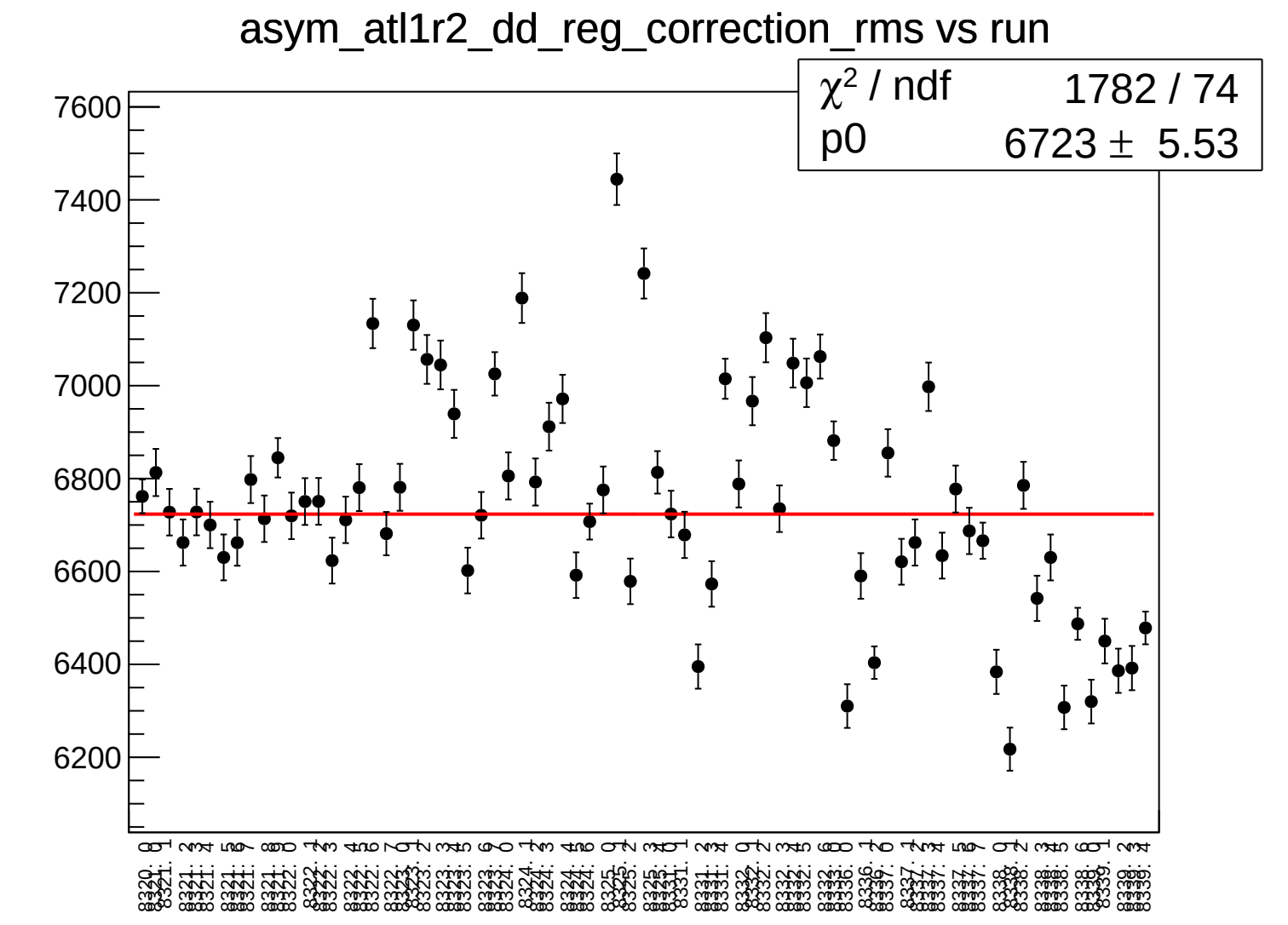

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 96 / 74
p0 −1547 ± 2117
pull
Entries 75
Mean 482.6
Std Dev 0

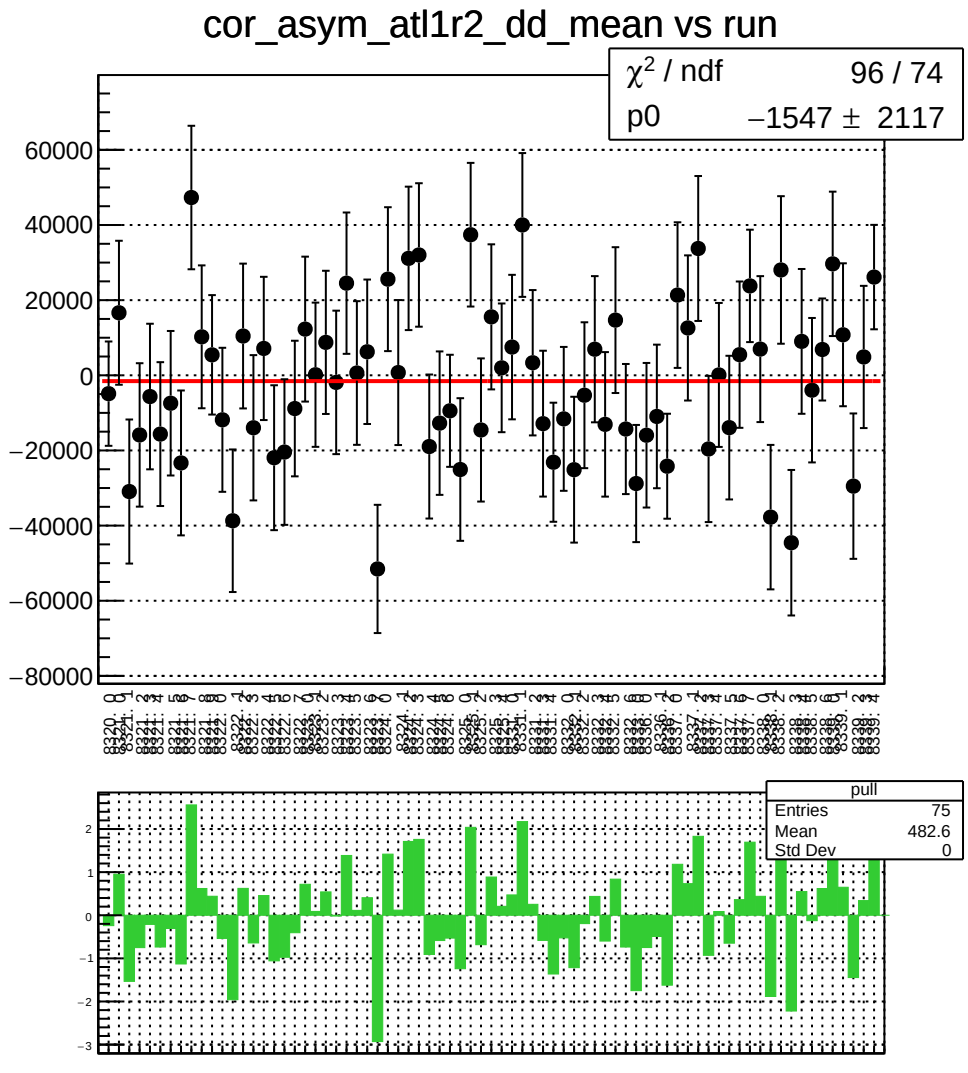

pull1D
Entries 75
Mean 0.004834
Std Dev 1.131

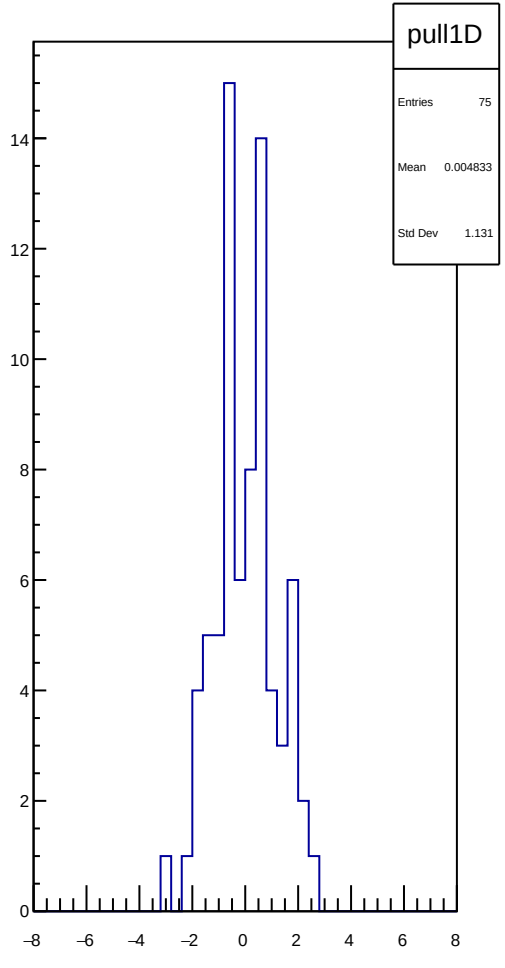

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 82.61 / 74
p0 1821 ± 1.497
1880
1860
1840
1820
1800
1780

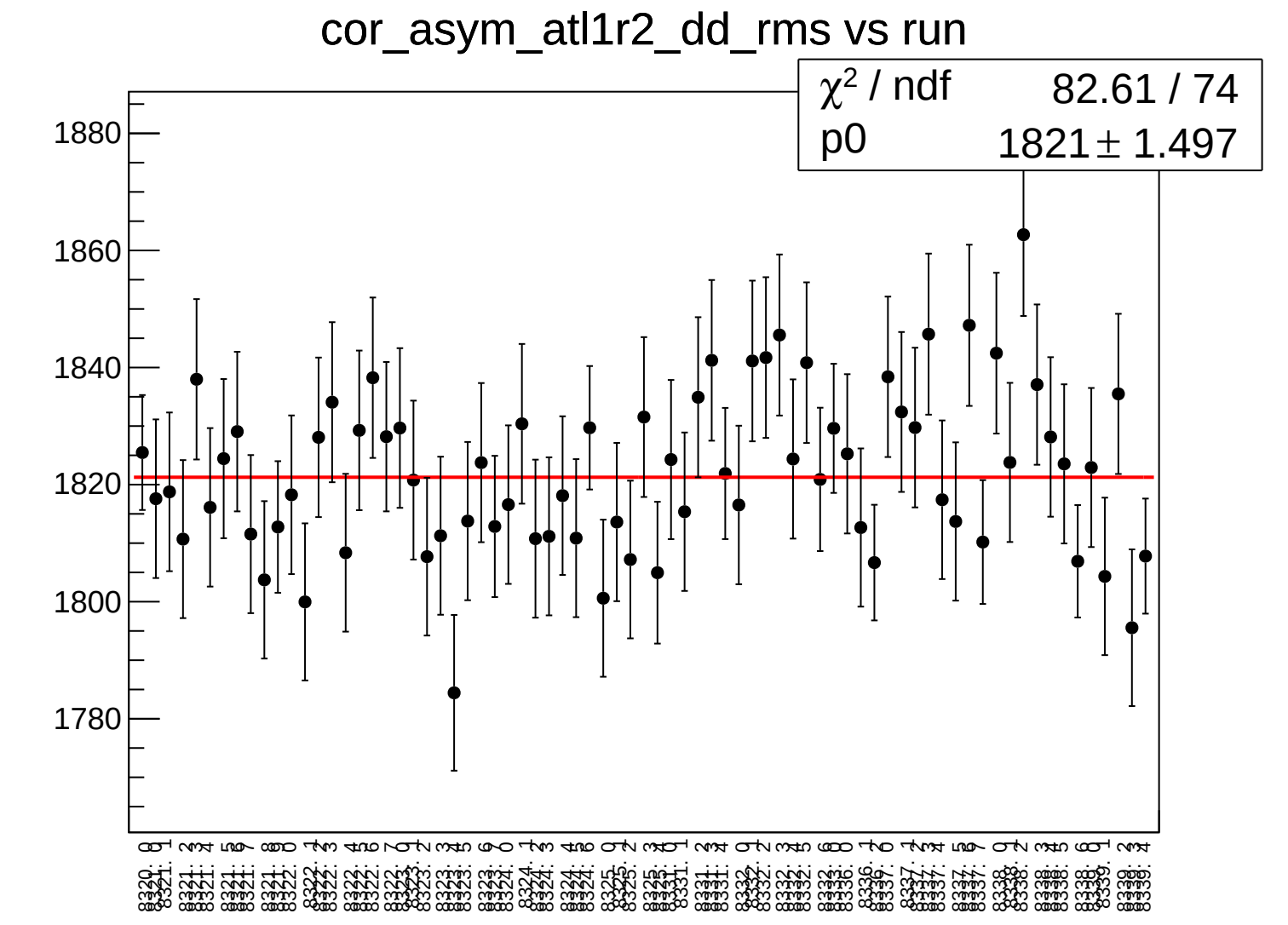

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.7 / 74
p0 7759 ± 7820
200
100
0
−100
−200
pull
Entries 75
Mean 2076
Std Dev 0
2
1
0
−1
−2

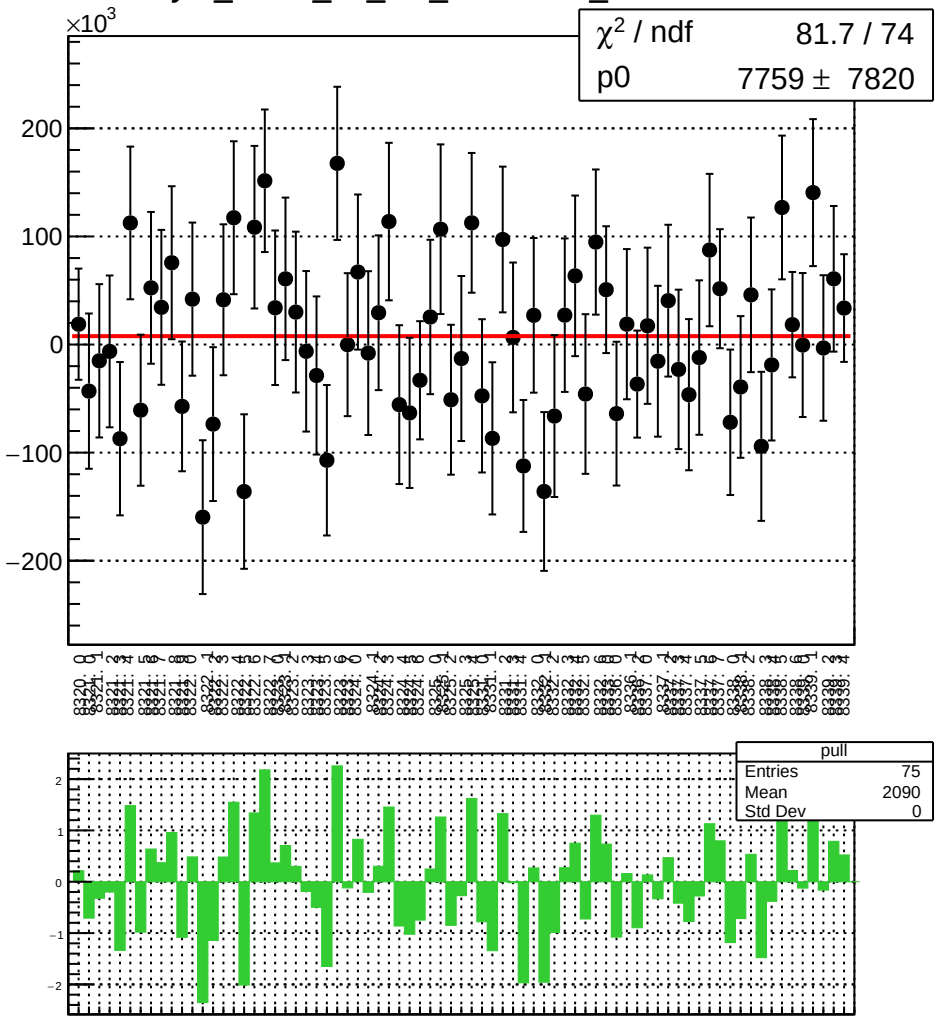

pull1D
Entries 75
Mean 0.0005011
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

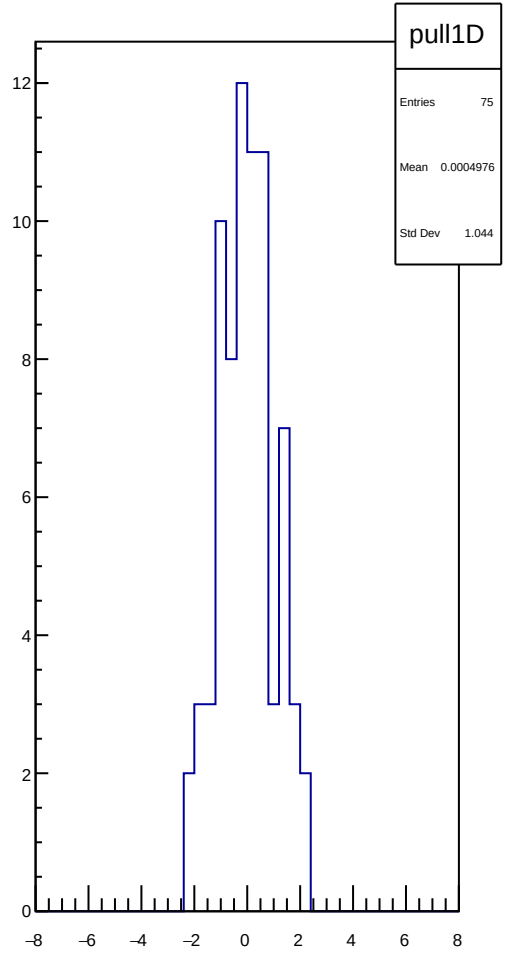

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 1782 / 74
p0 6723 ± 5.53
7600
7400
7200
7000
6800
6600
6400
6200

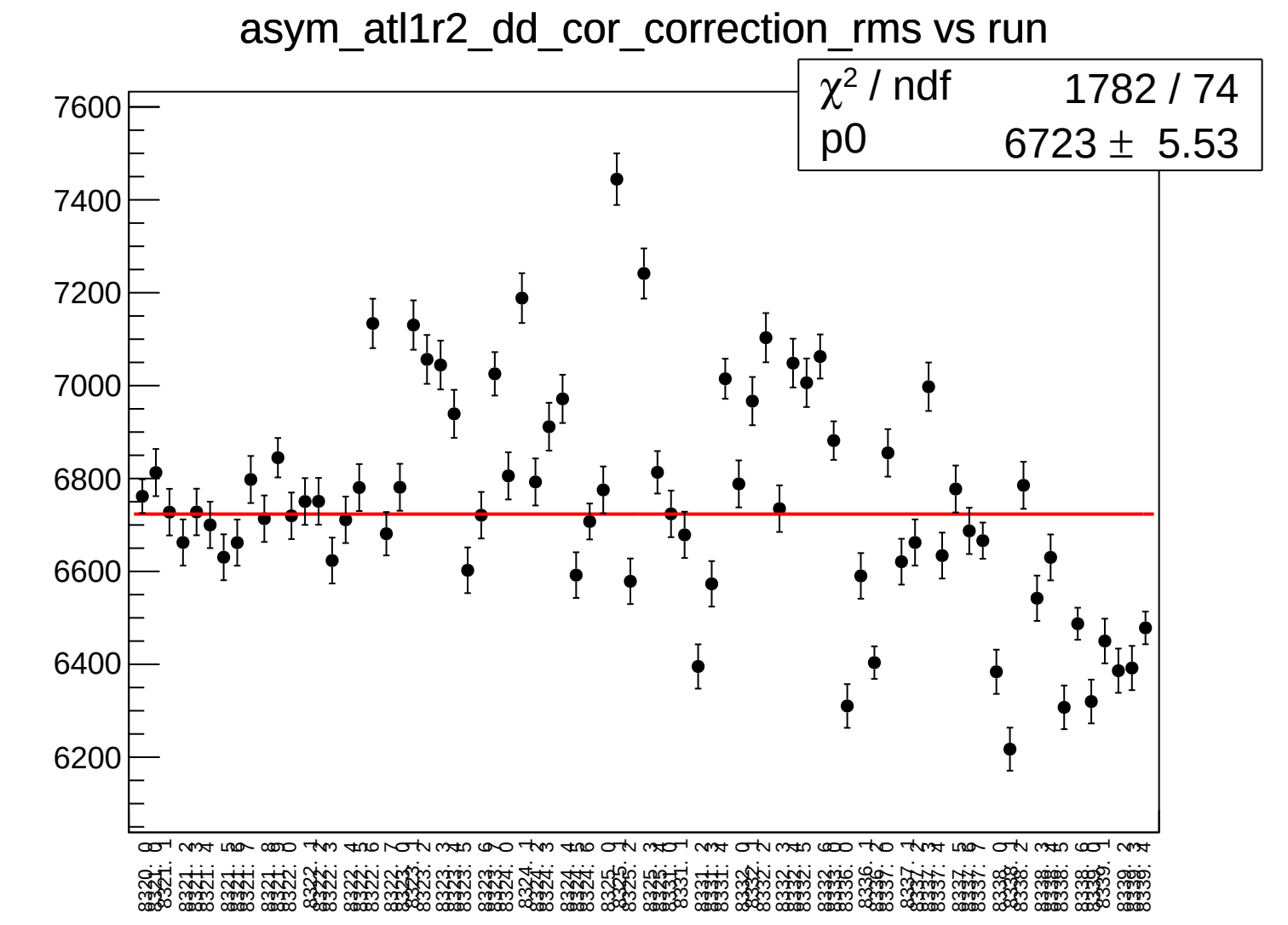

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 96 / 74
p0 −1547 ± 2117
pull
Entries 75
Mean 482.6
Std Dev 0

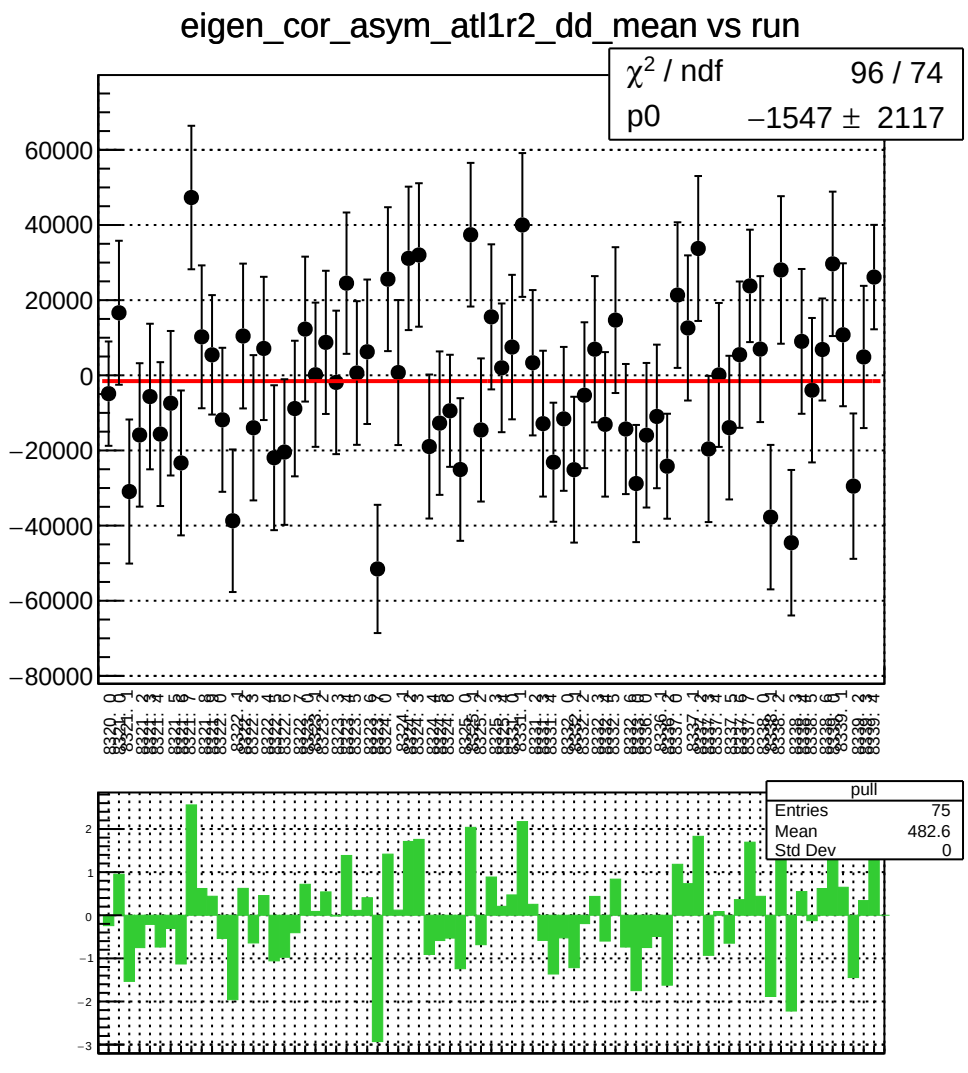

pull1D
Entries 75
Mean 0.004833
Std Dev 1.131

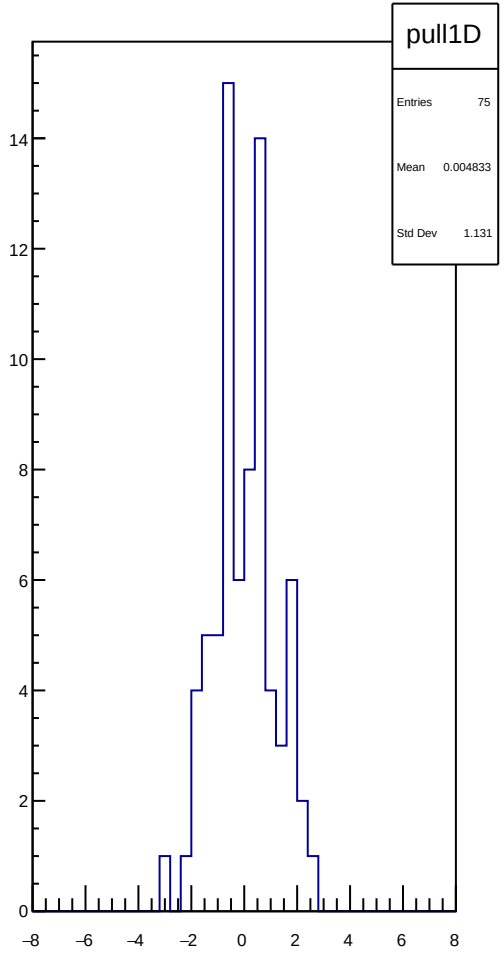

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 82.61 / 74
p0 1821 ± 1.497
1880
1860
1840
1820
1800
1780

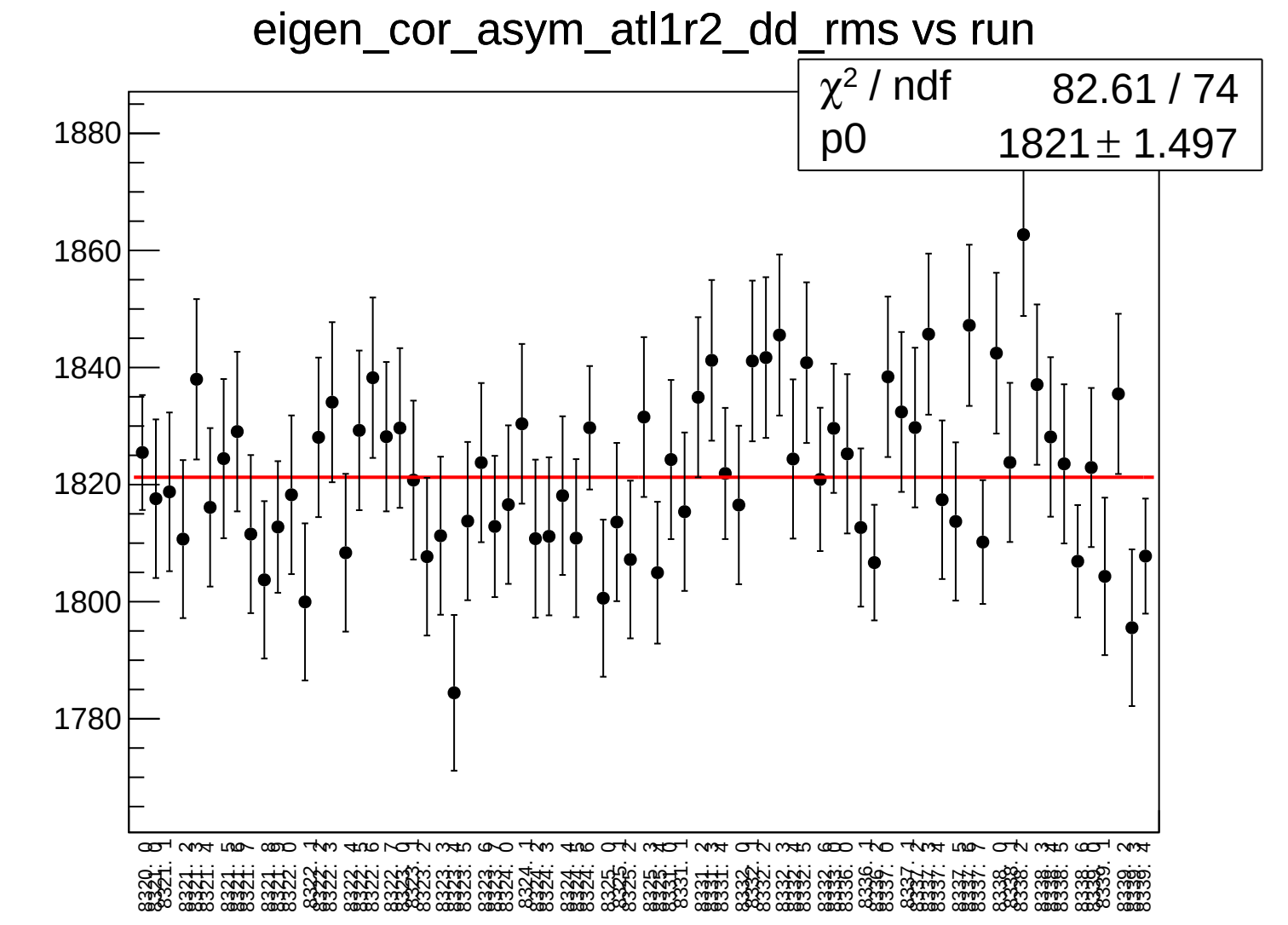

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.7 / 74
p0 7759 ± 7820
200
100
0
−100
−200
pull
Entries 75
Mean 2090
Std Dev 0
2
1
0
−1
−2

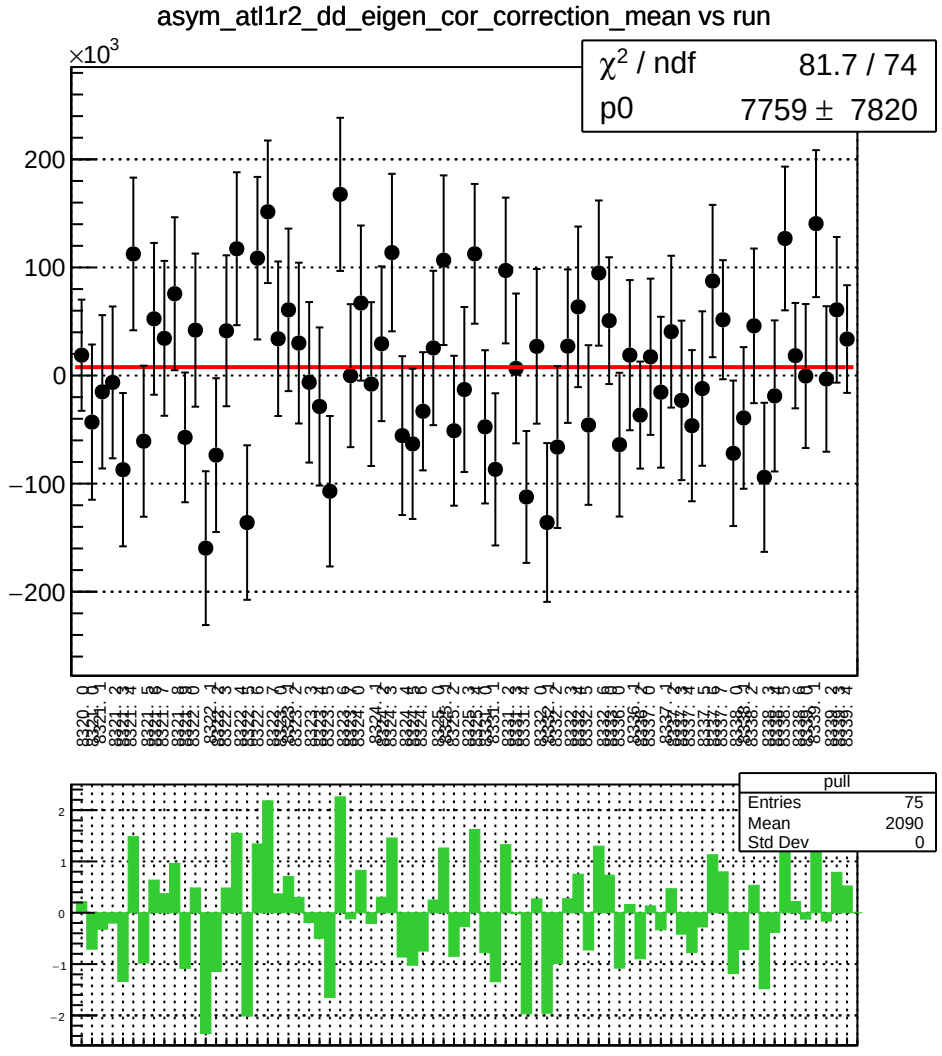

pull1D
Entries 75
Mean 0.0004976
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

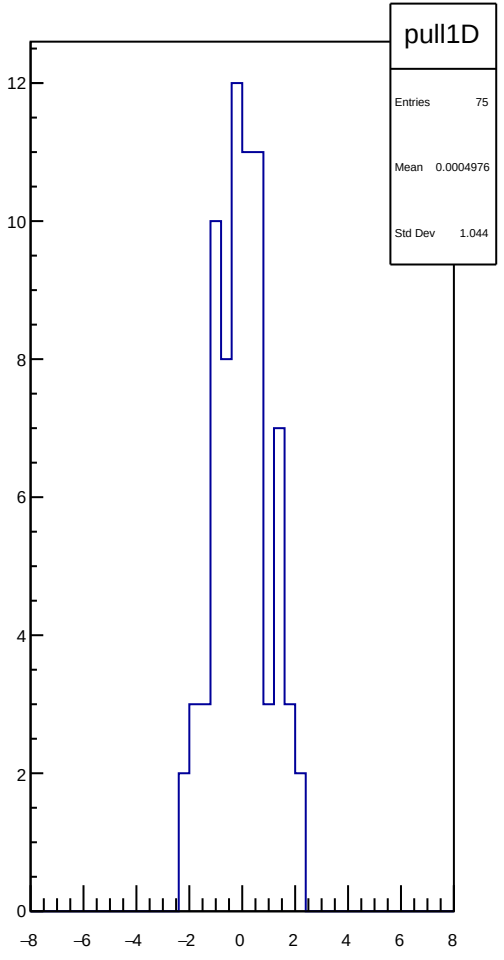

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 1782 / 74
p0 6723 ± 5.53
7600
7400
7200
7000
6800
6600
6400
6200

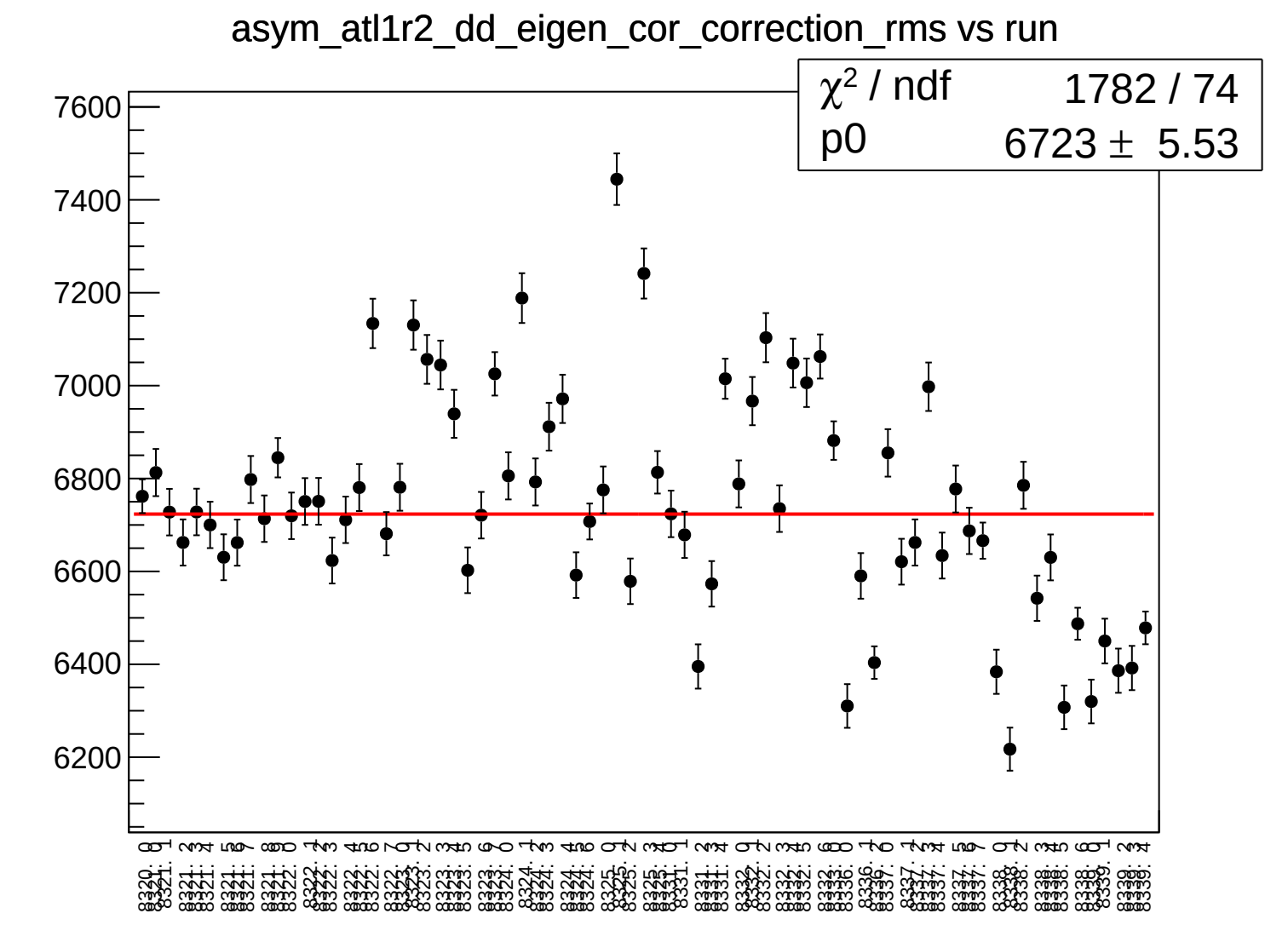

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 96 / 74
p0 −1547 ± 2117
pull
Entries 75
Mean 482.6
Std Dev 0

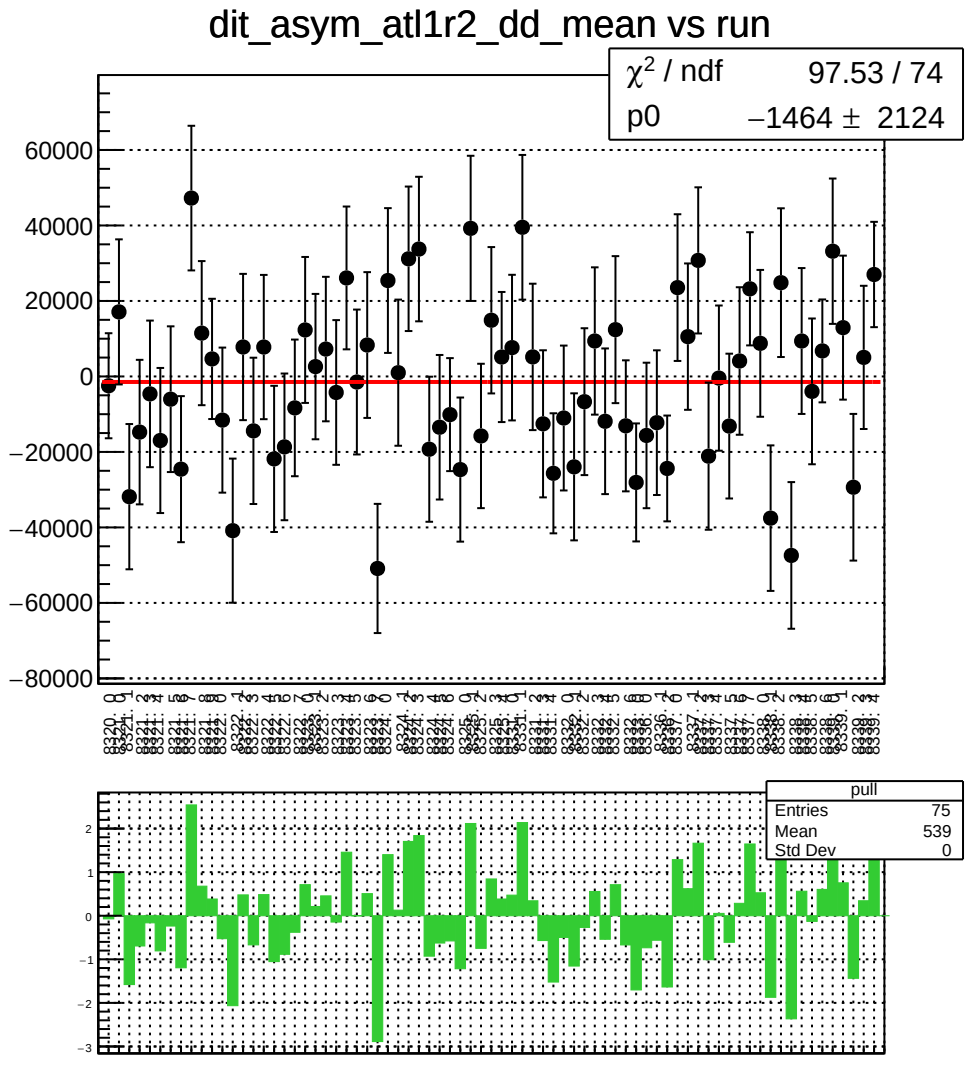

pull1D
Entries 75
Mean 0.004833
Std Dev 1.131

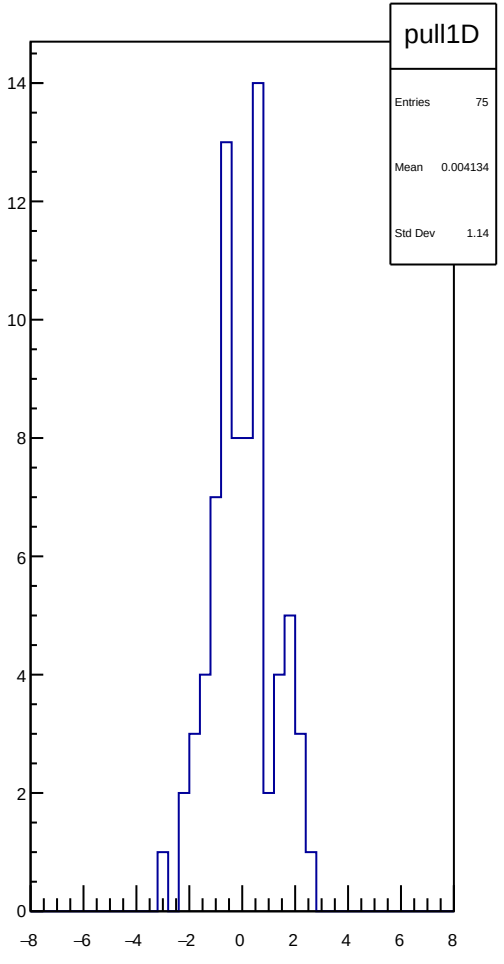

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 82.61 / 74
p0 1821 ± 1.497
1880
1860
1840
1820
1800
1780

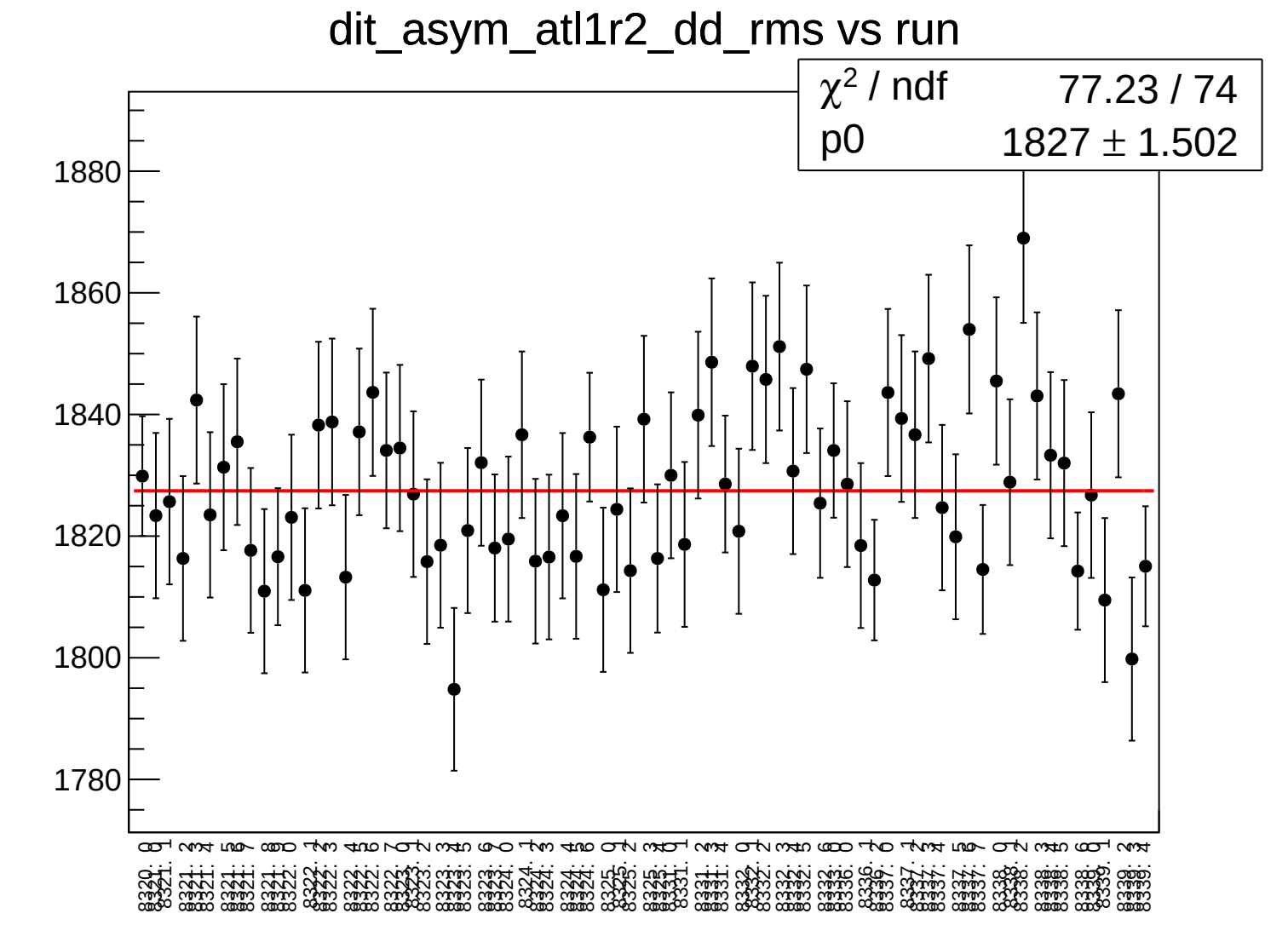

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.7 / 74
p0 7759 ± 7820
200
100
0
−100
−200
pull
Entries 75
Mean 2090
Std Dev 0
2
1
0
−1
−2

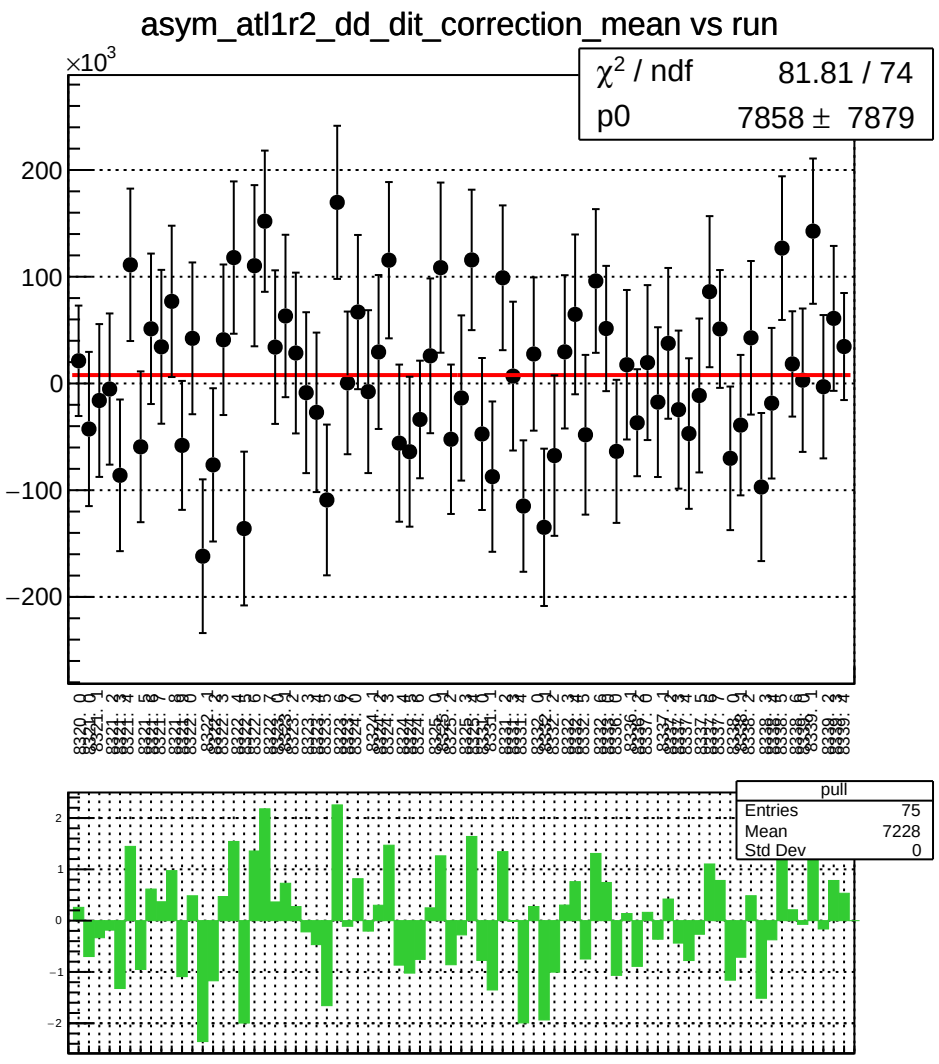

pull1D
Entries 75
Mean 0.0004976
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

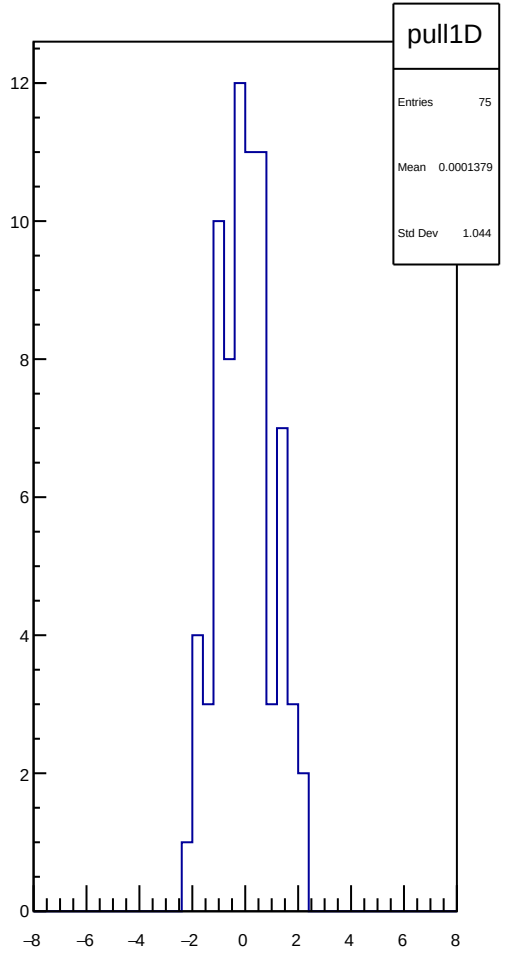

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1782 / 74
p0 6723 ± 5.53
7600
7400
7200
7000
6800
6600
6400
6200

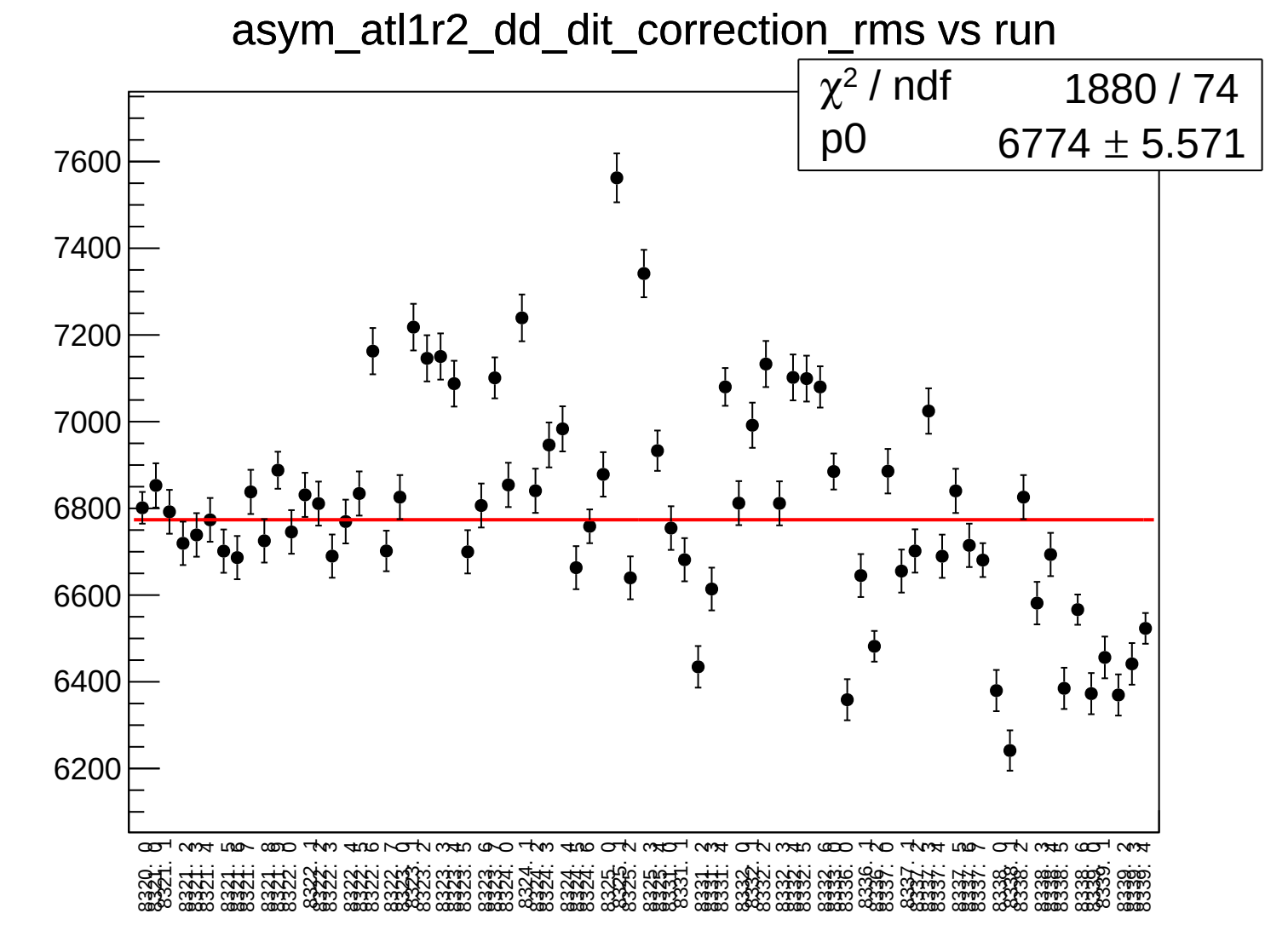

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 97.53 / 74
p0 −1464 ± 2124
pull
Entries 75
Mean 539
Std Dev 0

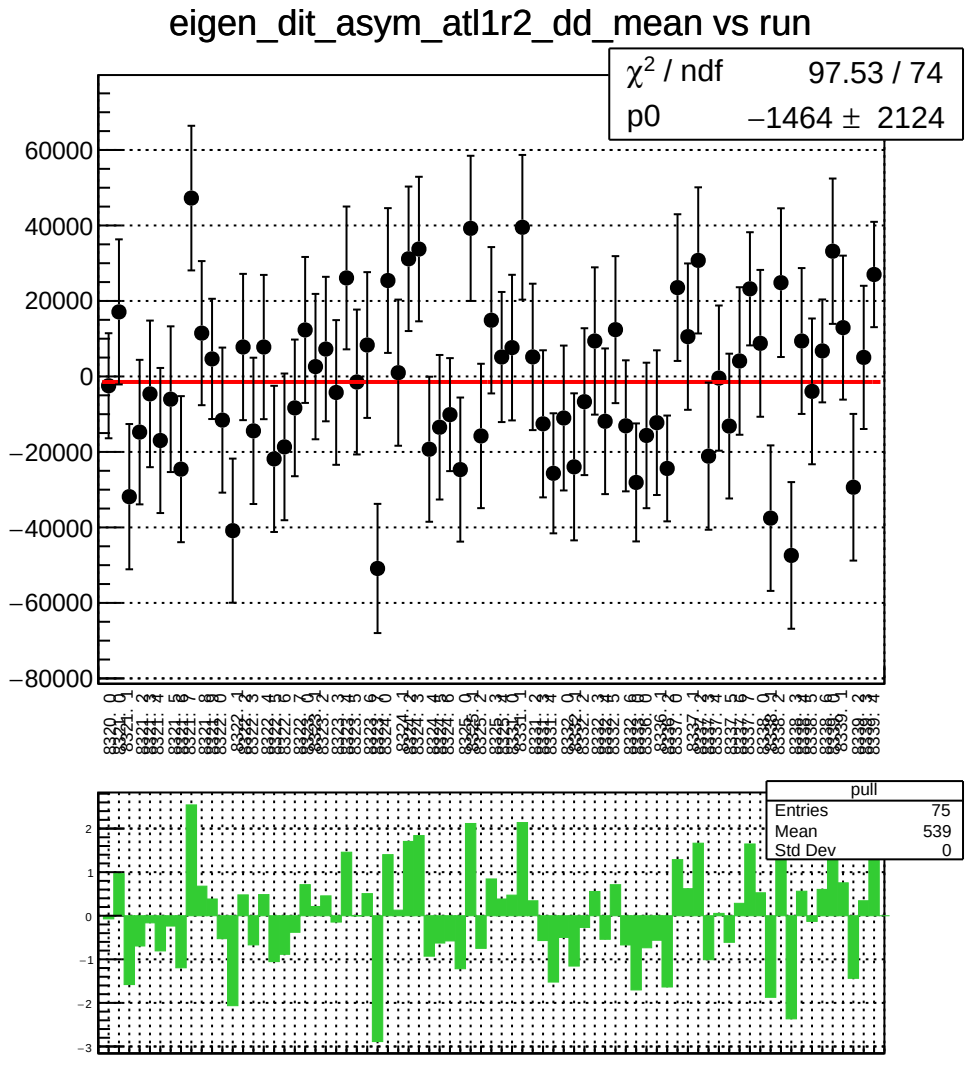

pull1D
Entries 75
Mean 0.004134
Std Dev 1.14

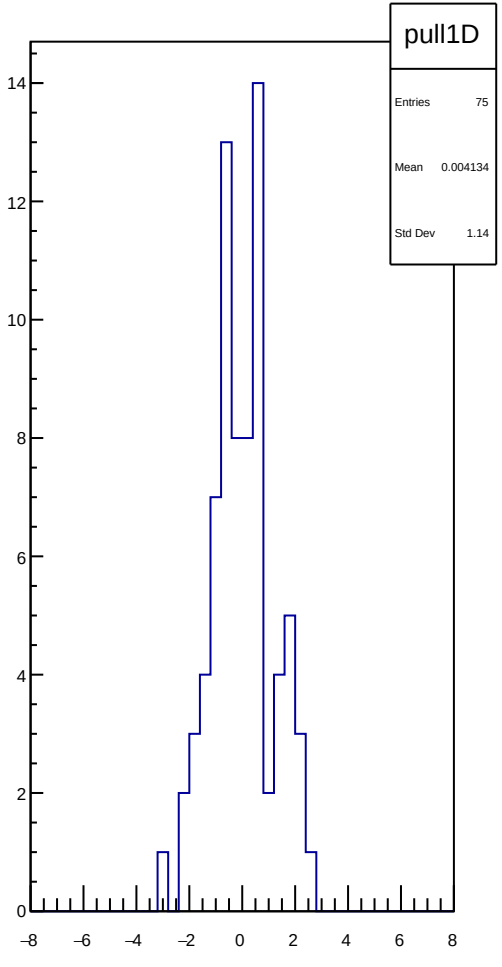

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 77.23 / 74
p0 1827 ± 1.502
1880
1860
1840
1820
1800
1780

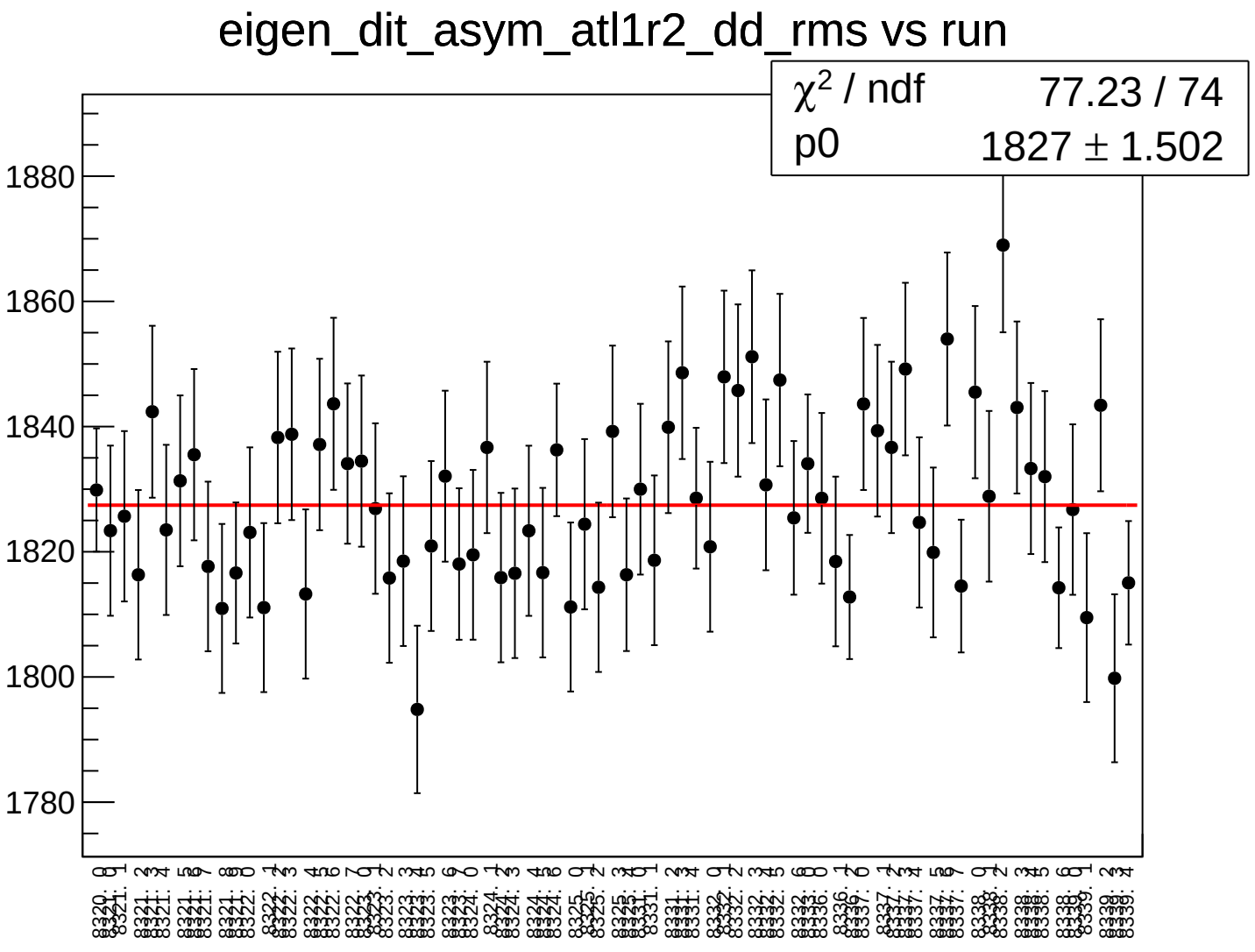

asym_atl1r2_dd_dit_correction_mean vs run
χ² / ndf 81.81 / 74
p0 7858 ± 7879
×10³
200
100
0
−100
−200
pull
Entries 75
Mean 7228
Std Dev 0
2
1
0
−1
−2

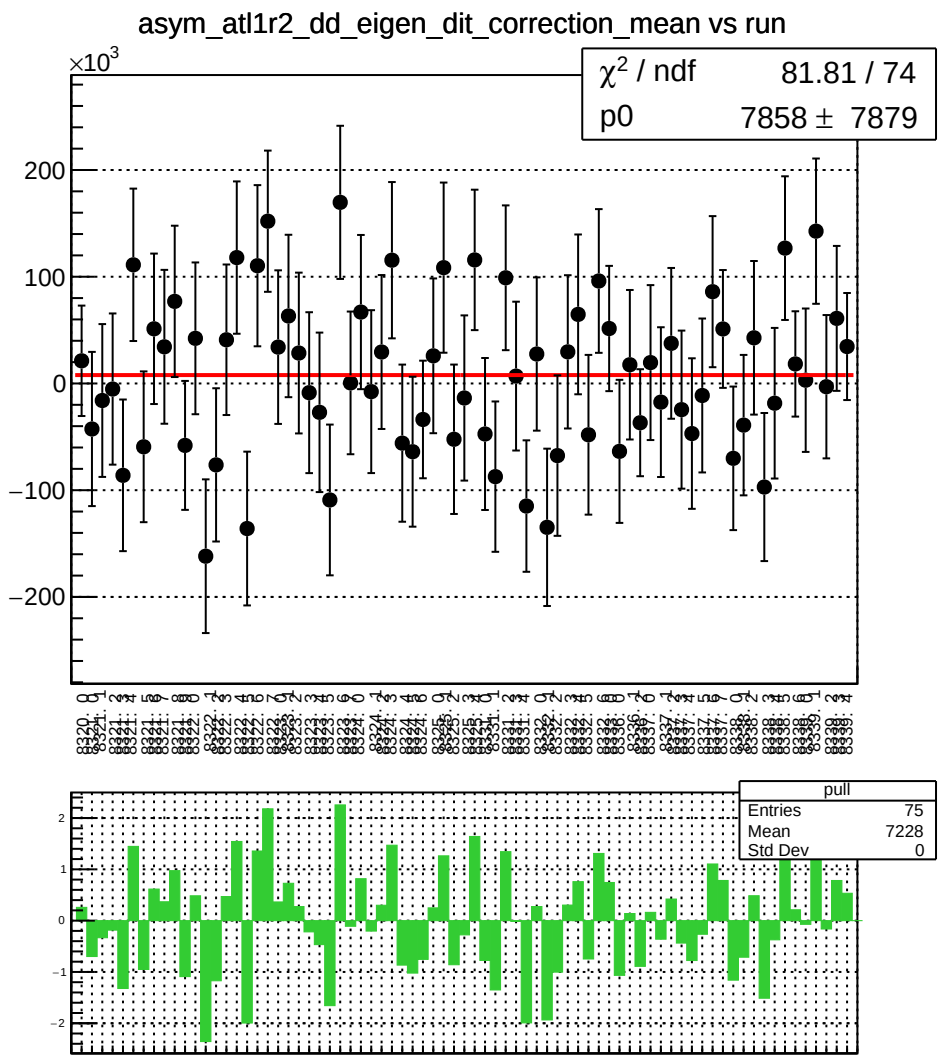

pull1D
Entries 75
Mean 0.0001379
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

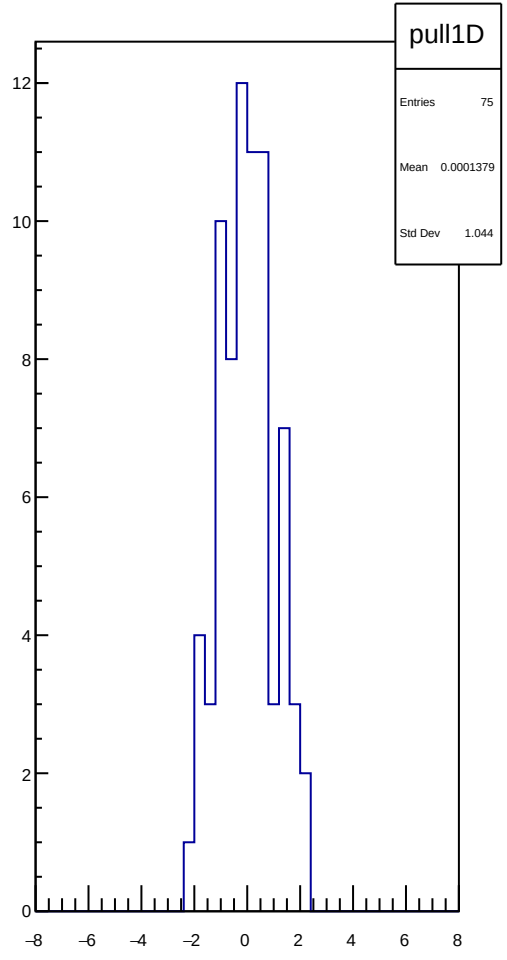

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 1880 / 74
p0 6774 ± 5.571
7600
7400
7200
7000
6800
6600
6400
6200

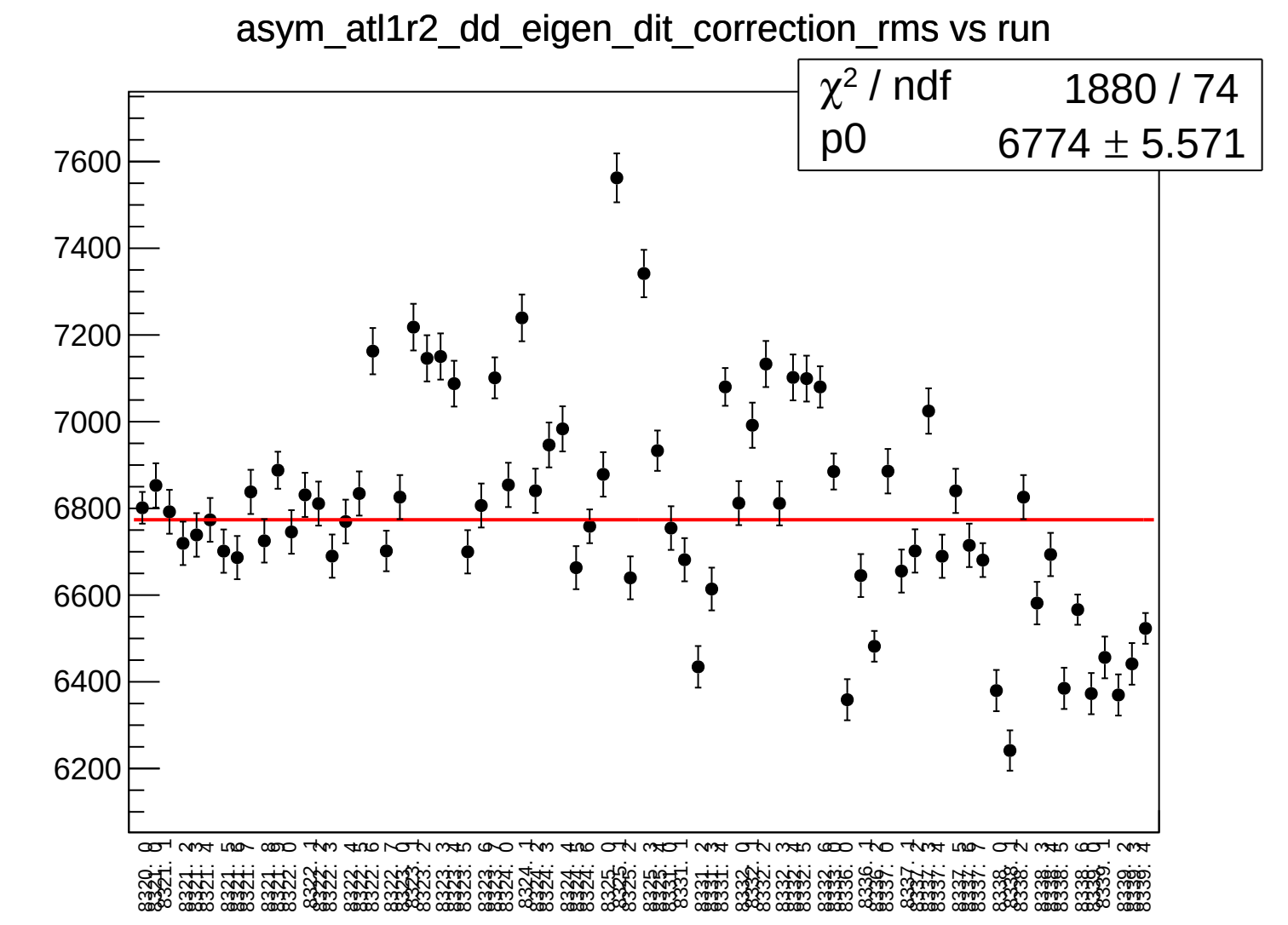

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 97.53 / 74
p0 −1464 ± 2124
pull
Entries 75
Mean 539
Std Dev 0

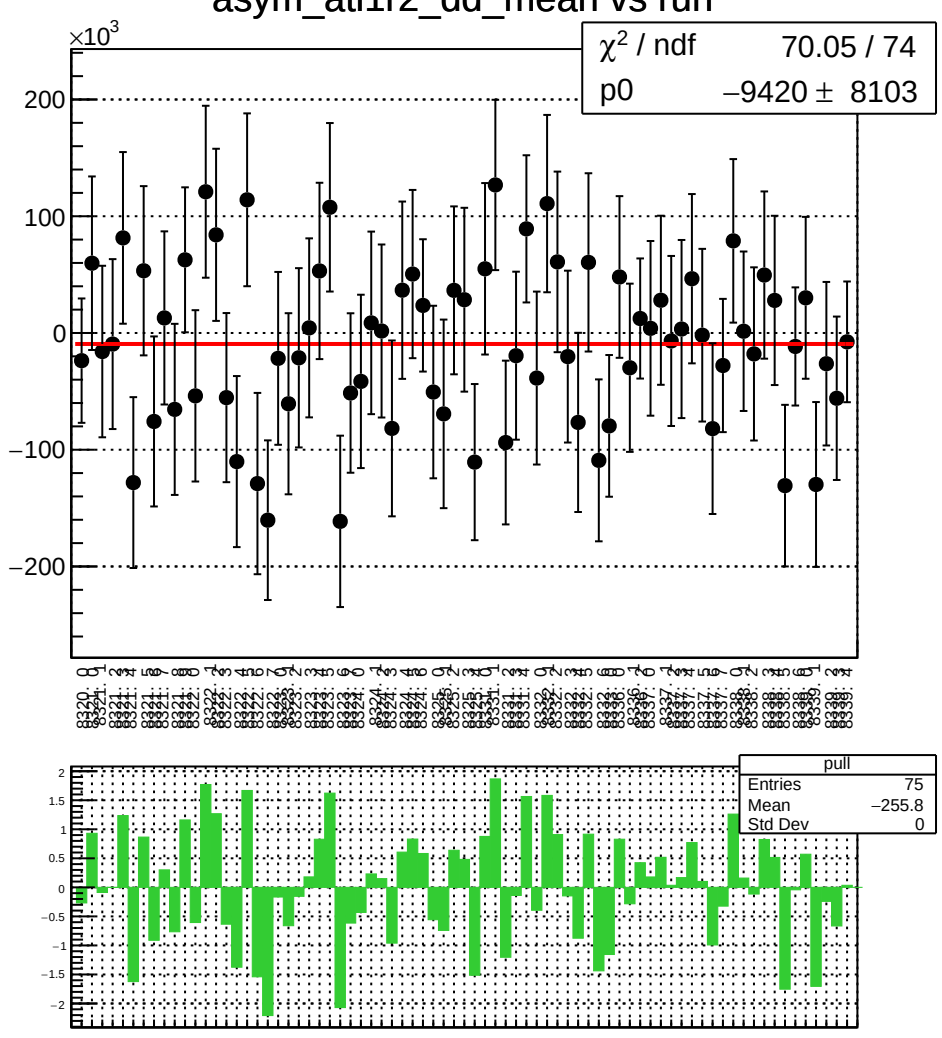

pull1D
Entries 75
Mean 0.004134
Std Dev 1.14

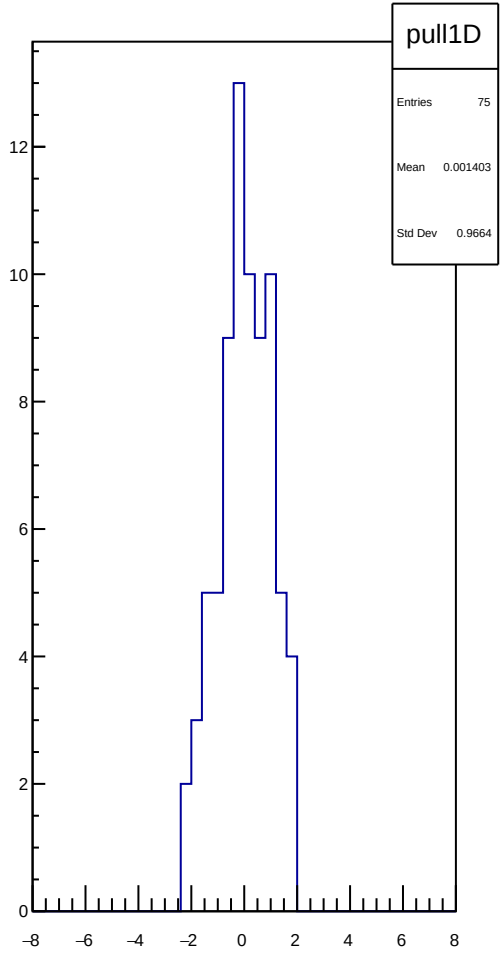

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 77.23 / 74
p0 1827 ± 1.502
1880
1860
1840
1820
1800
1780

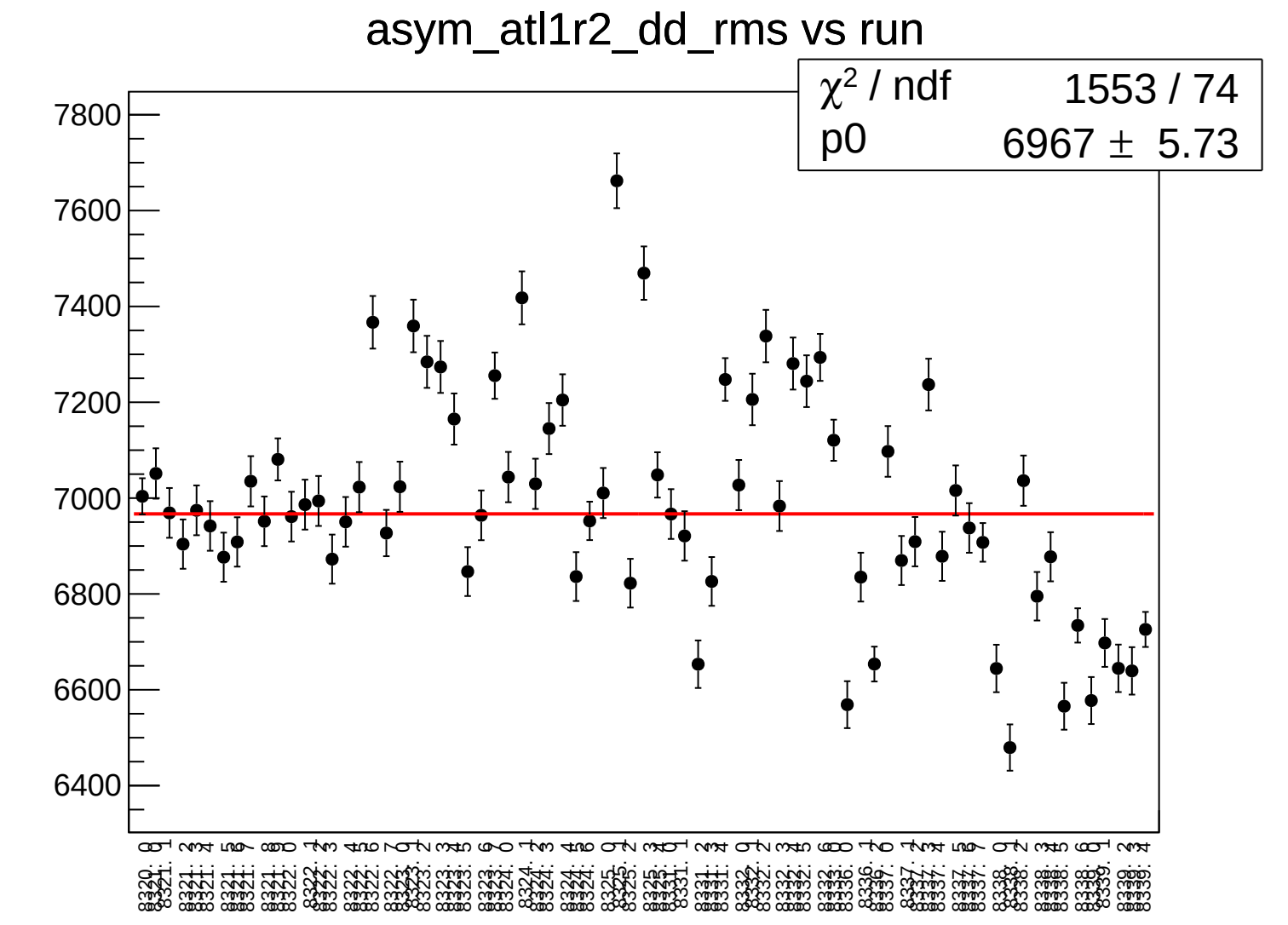

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.81 / 74
p0 7858 ± 7879
200
100
0
−100
−200
pull
Entries 75
Mean 7228
Std Dev 0
2
1
0
−1
−2

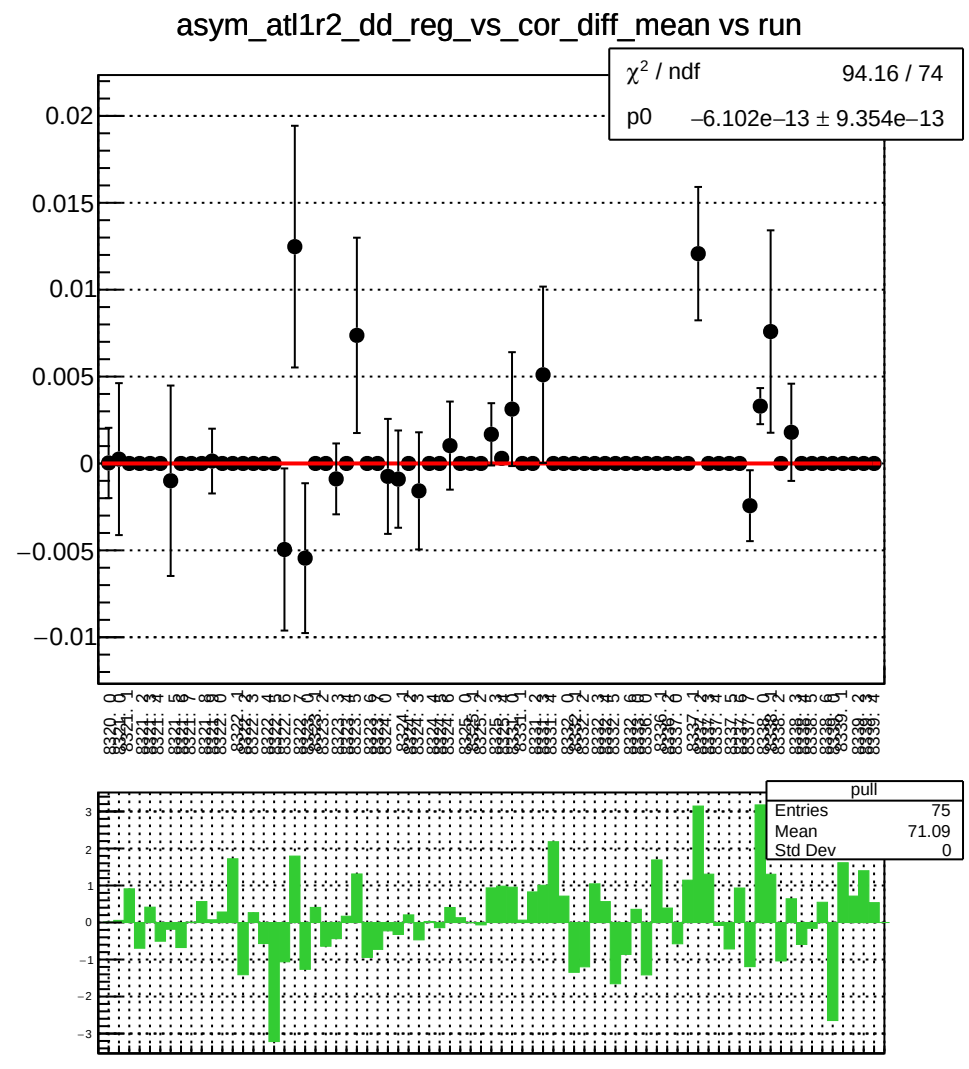

pull1D
Entries 75
Mean 0.0001379
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

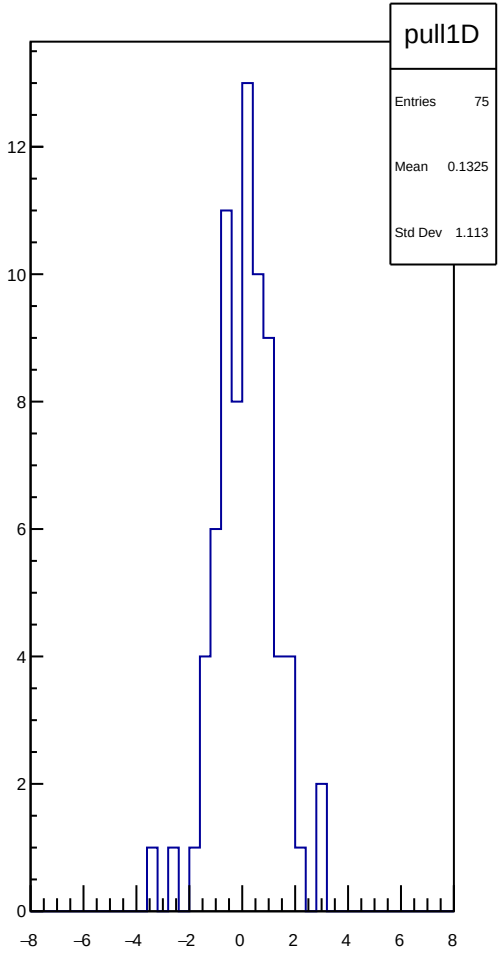

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1880 / 74
p0 6774 ± 5.571
7600
7400
7200
7000
6800
6600
6400
6200

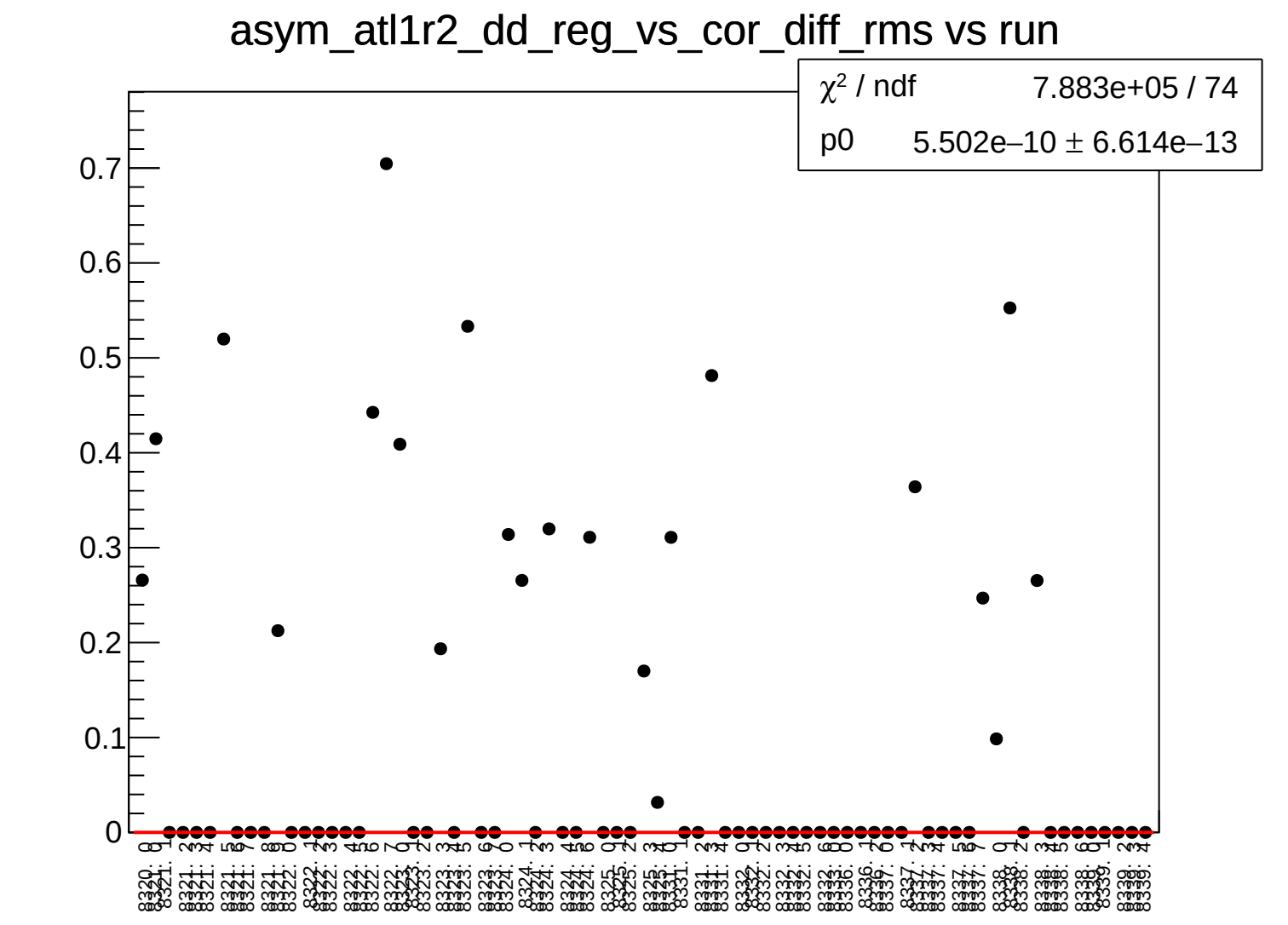

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 70.05 / 74
p0 −9420 ± 8103
200
100
0
−100
−200
pull
Entries 75
Mean −255.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

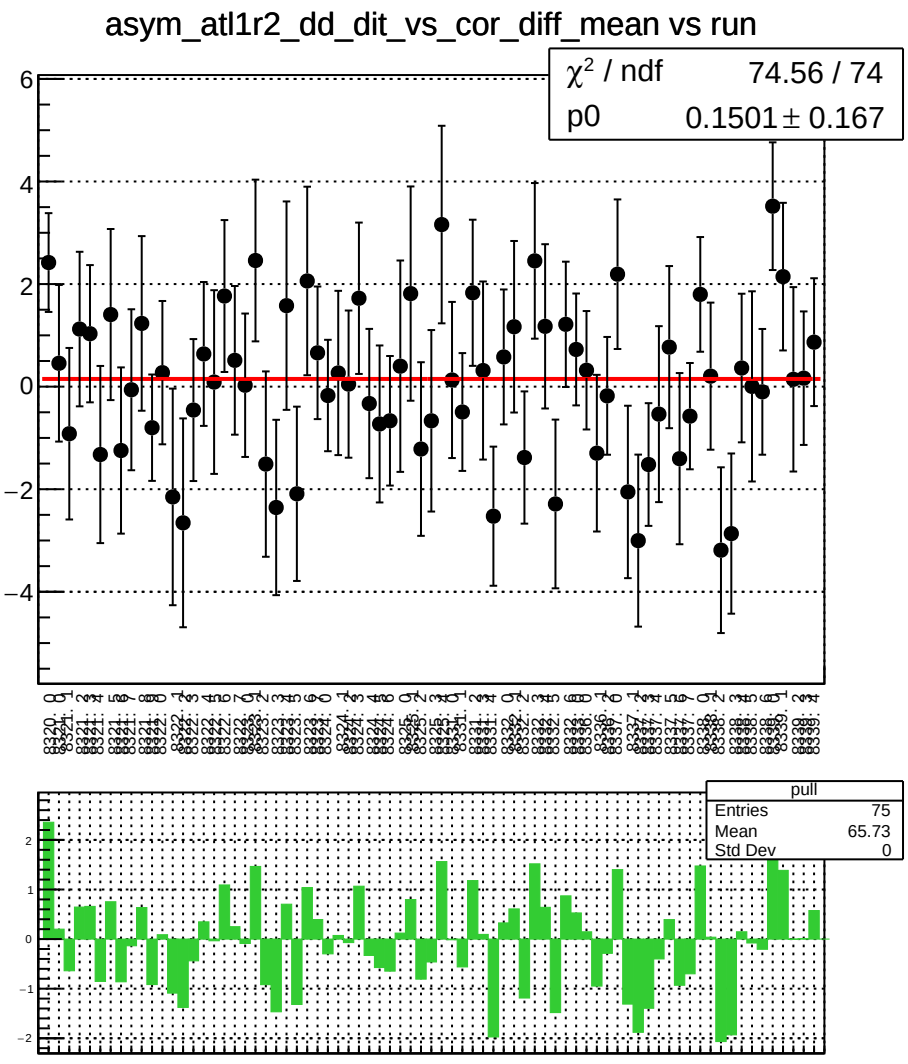

pull1D
Entries 75
Mean 0.001403
Std Dev 0.9664
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

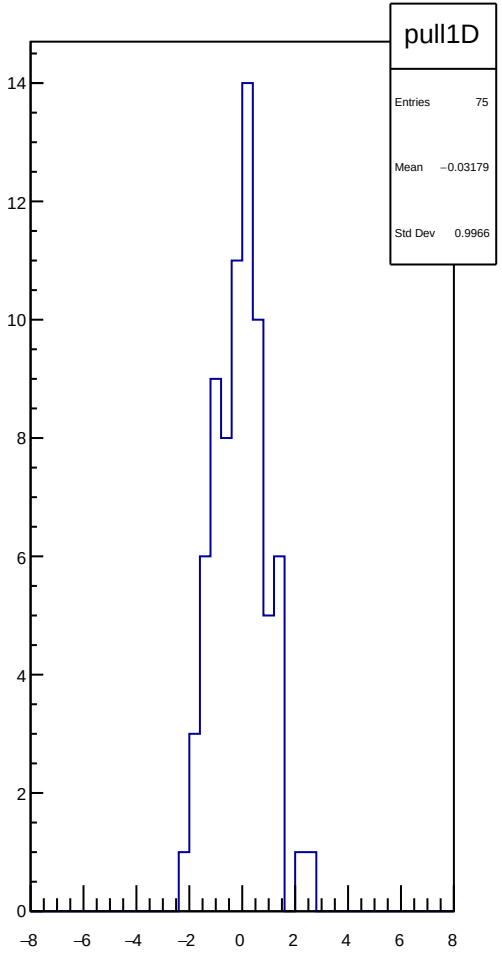

asym_atl1r2_dd_rms vs run
χ² / ndf 1553 / 74
p0 6967 ± 5.73
7800
7600
7400
7200
7000
6800
6600
6400

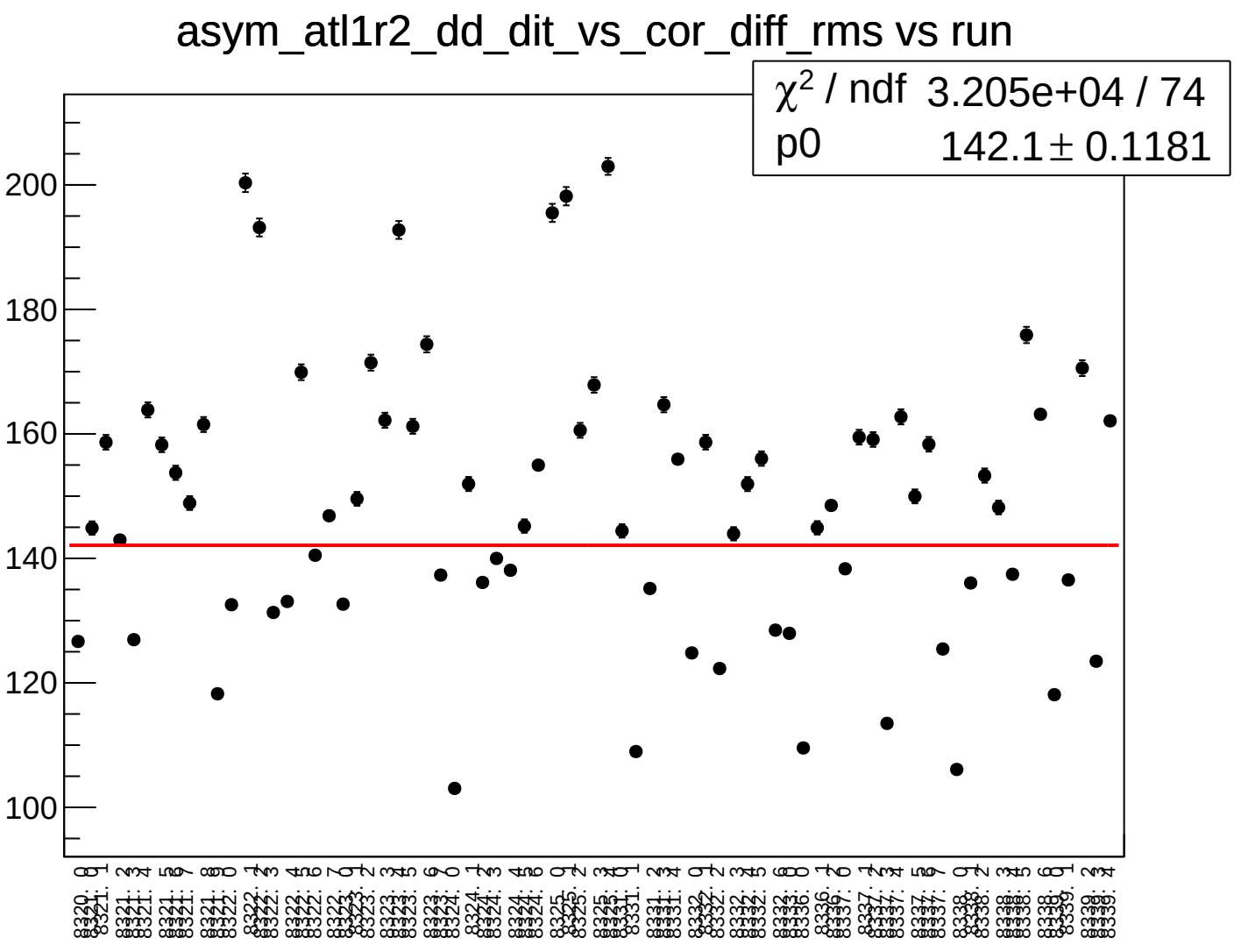

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 94.16 / 74
p0 −6.102e−13 ± 9.354e−13
pull
Entries 75
Mean 71.09
Std Dev 0

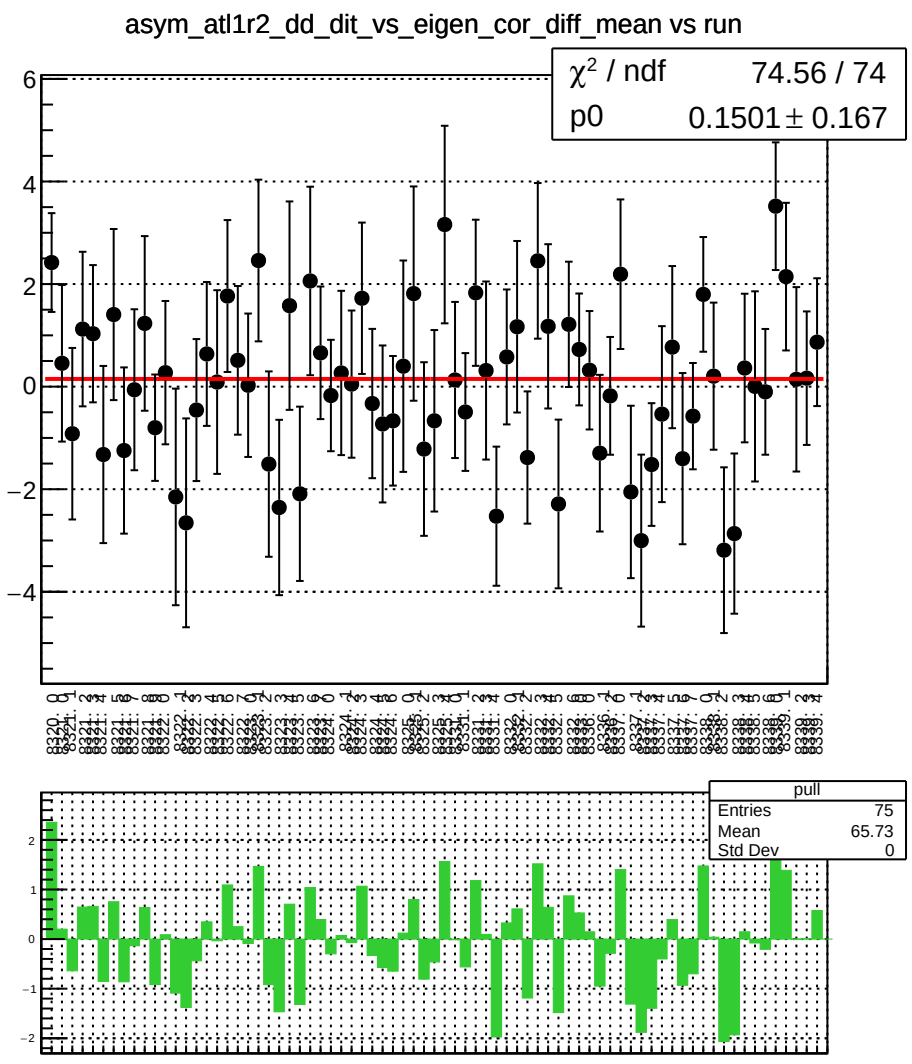

pull1D
Entries 75
Mean 0.1325
Std Dev 1.113

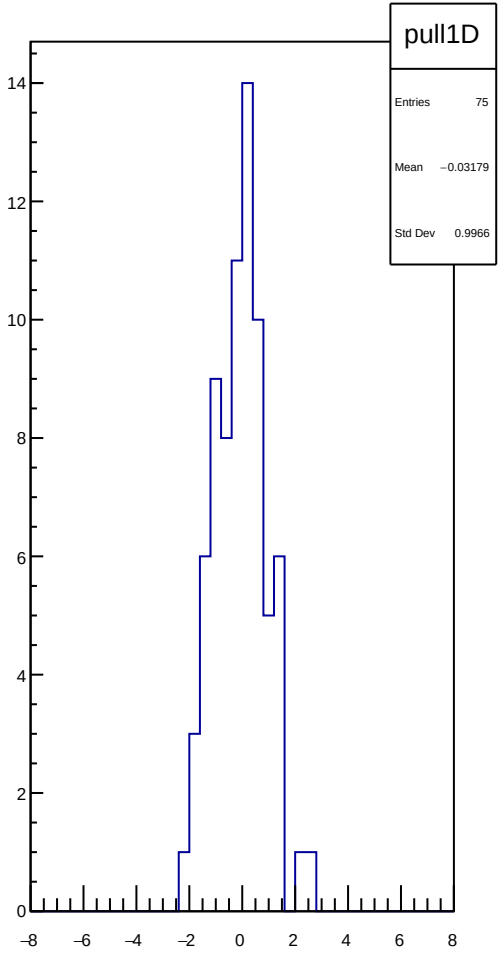

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.883e+05 / 74
p0 5.502e−10 ± 6.614e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

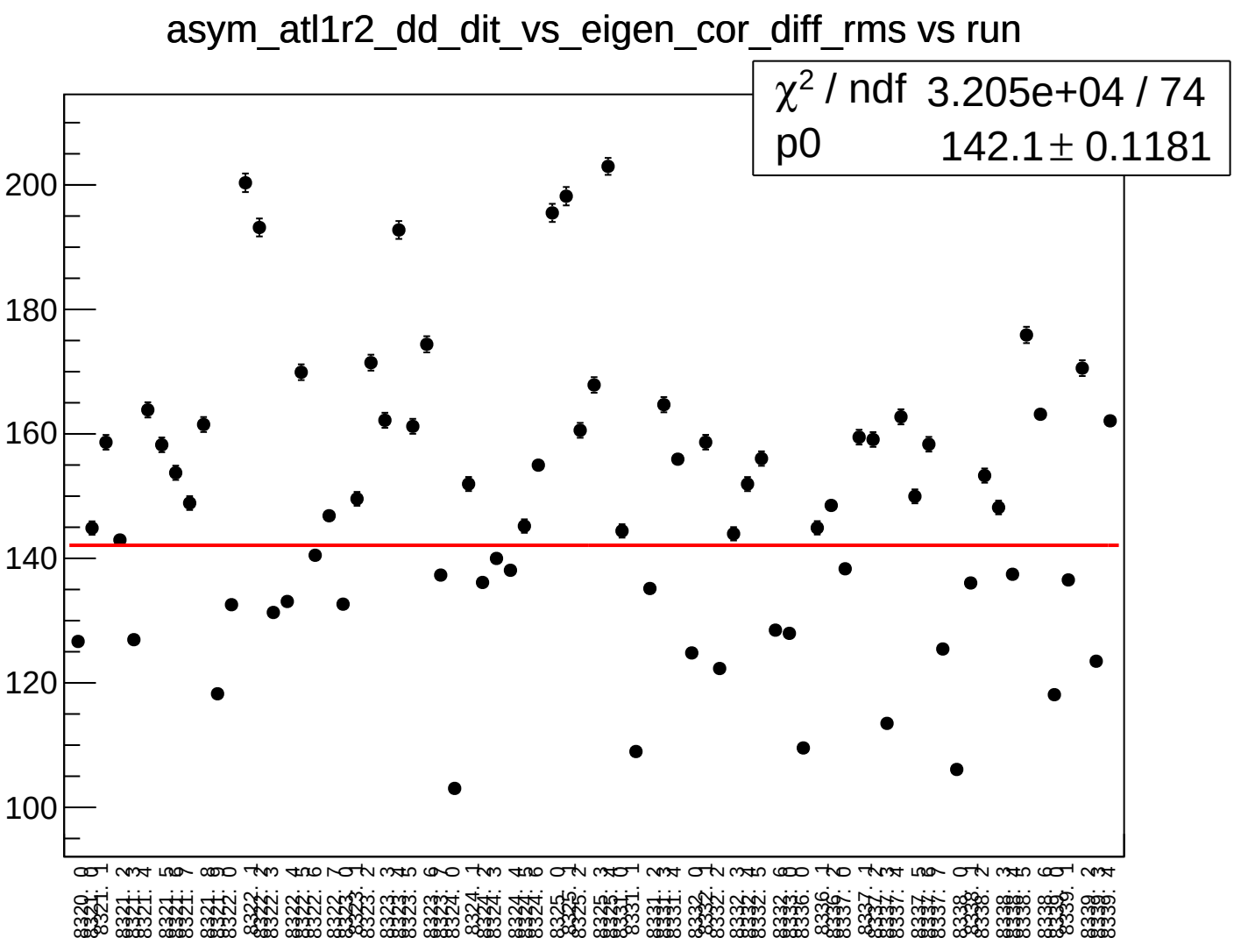

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.56 / 74
p0 0.1501 ± 0.167
pull
Entries 75
Mean 65.73
Std Dev 0

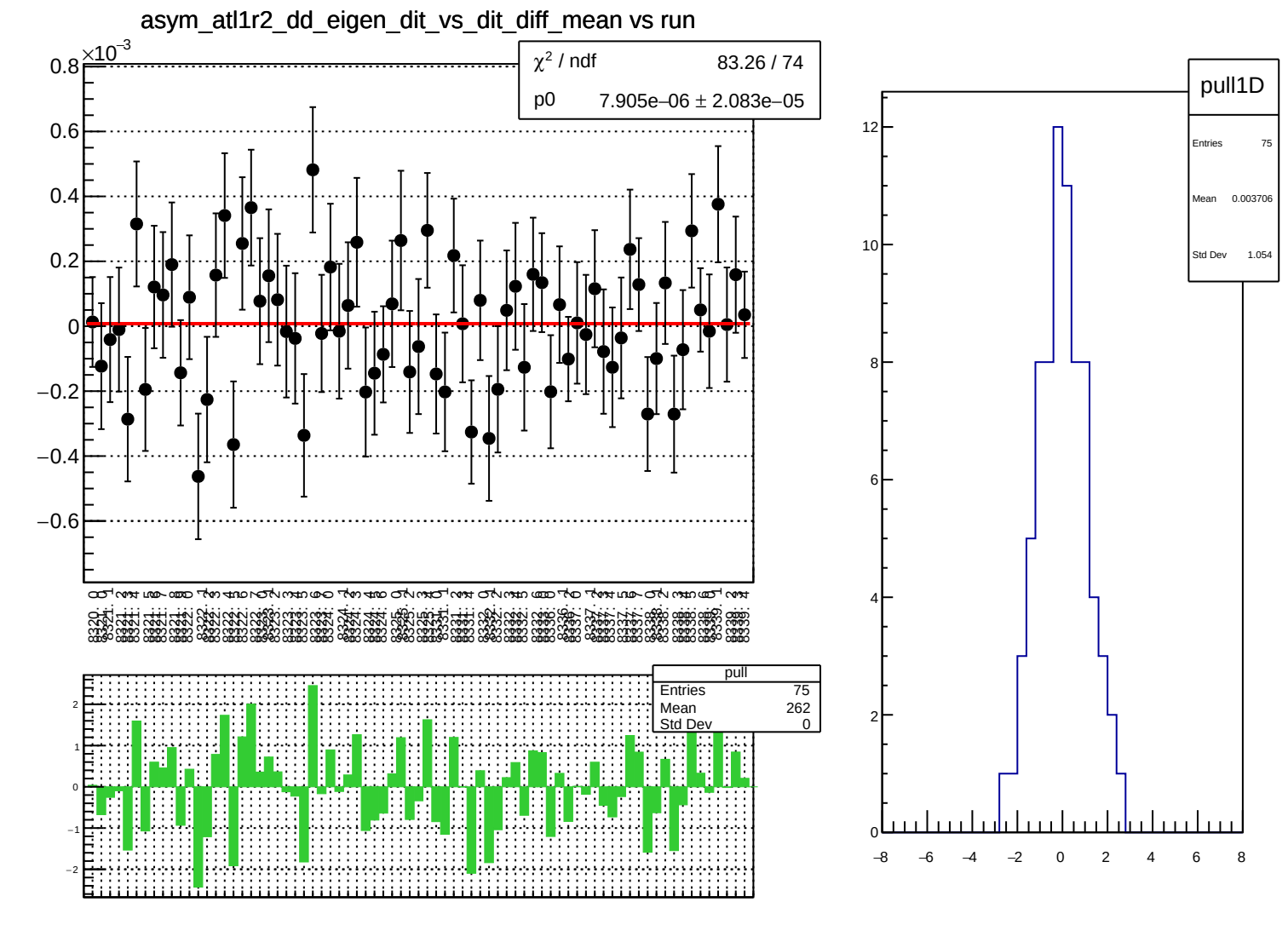

pull1D
Entries 75
Mean −0.03179
Std Dev 0.9966

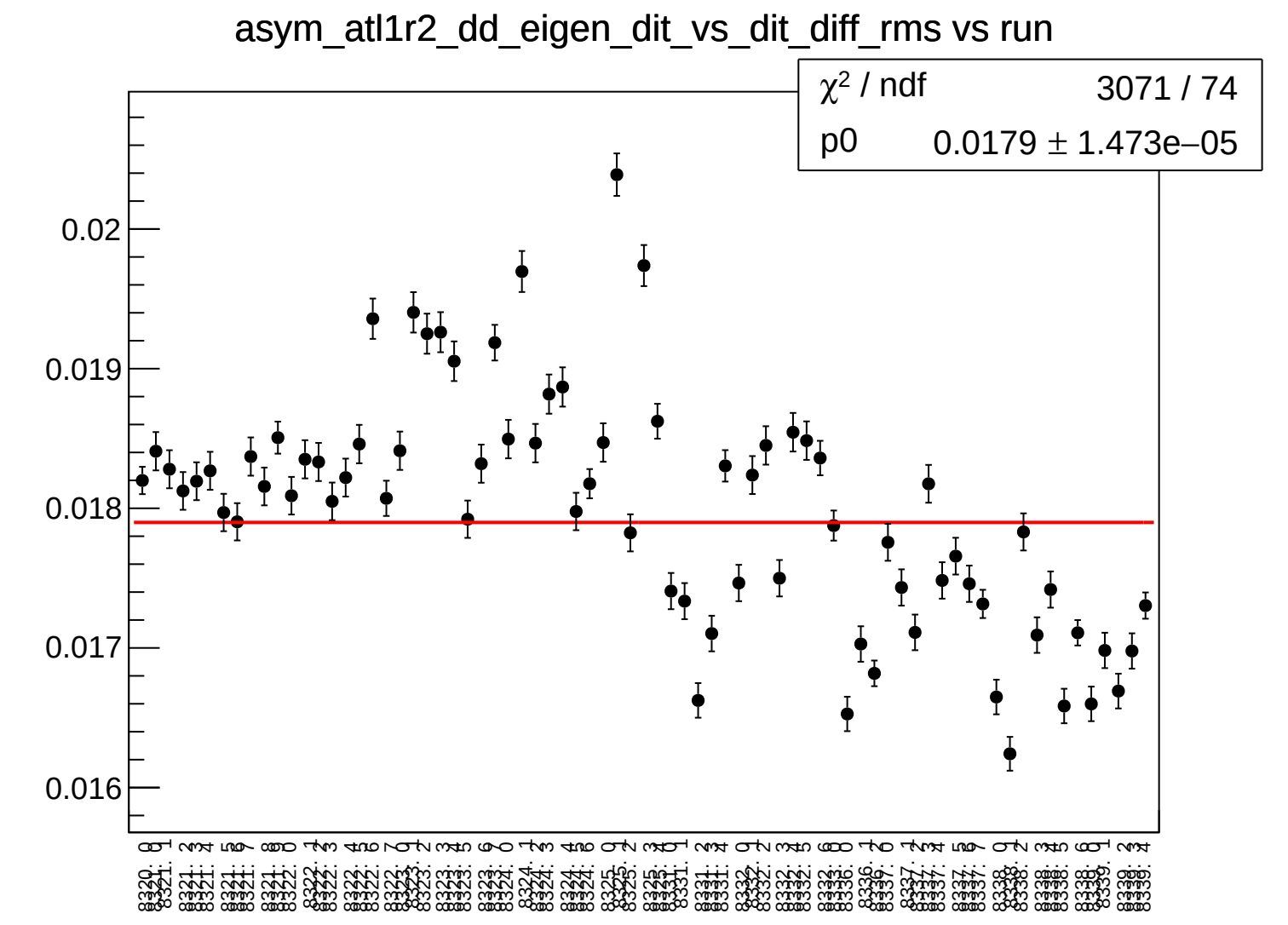

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.205e+04 / 74
p0 142.1 ± 0.1181
200
180
160
140
120
100

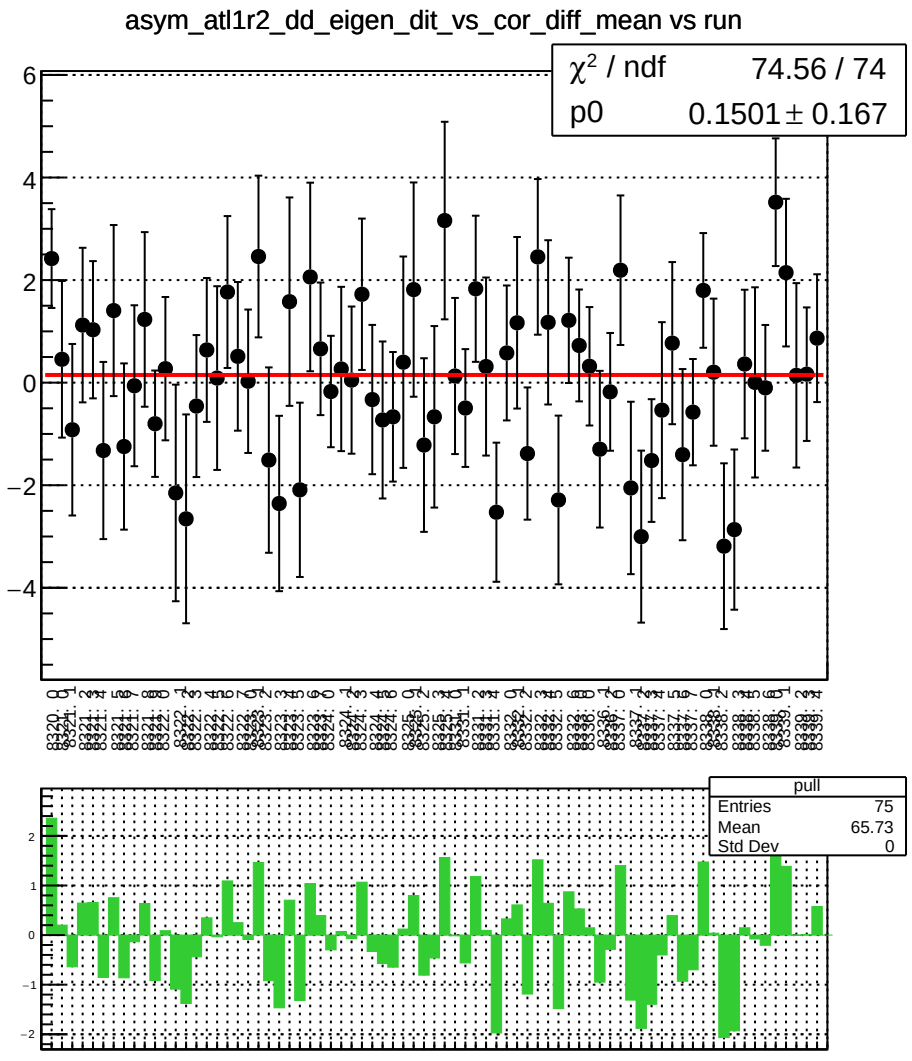

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.56 / 74
p0 0.1501 ± 0.167
pull
Entries 75
Mean 65.73
Std Dev 0

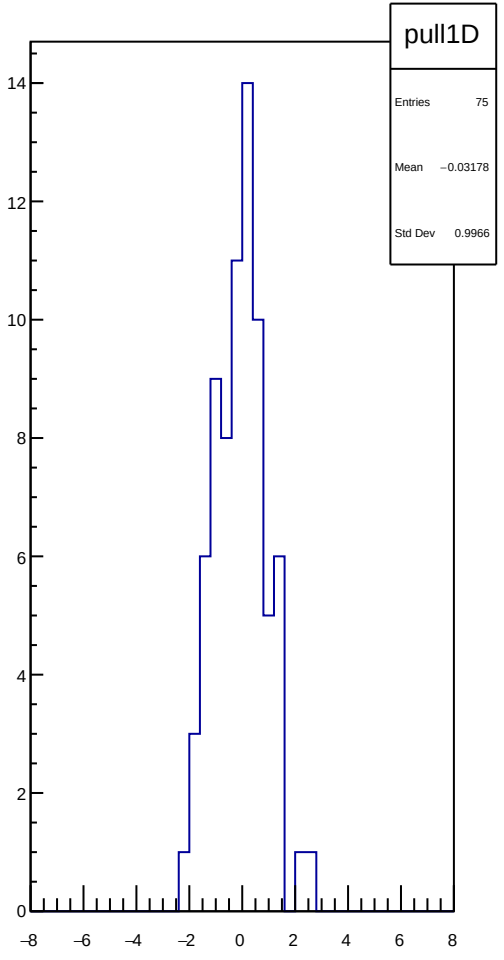

pull1D
Entries 75
Mean −0.03179
Std Dev 0.9966

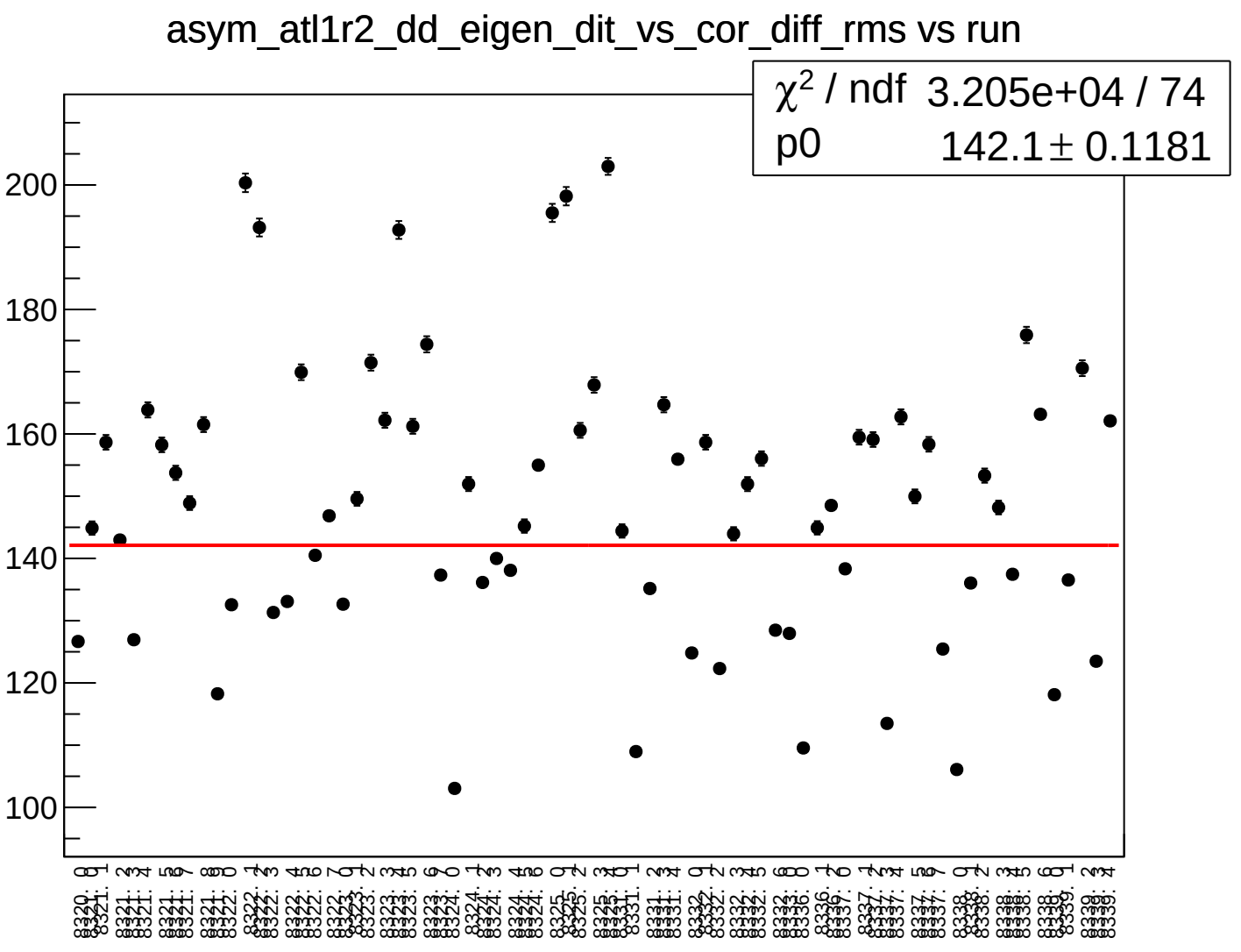

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.205e+04 / 74
p0 142.1 ± 0.1181
200
180
160
140
120
100

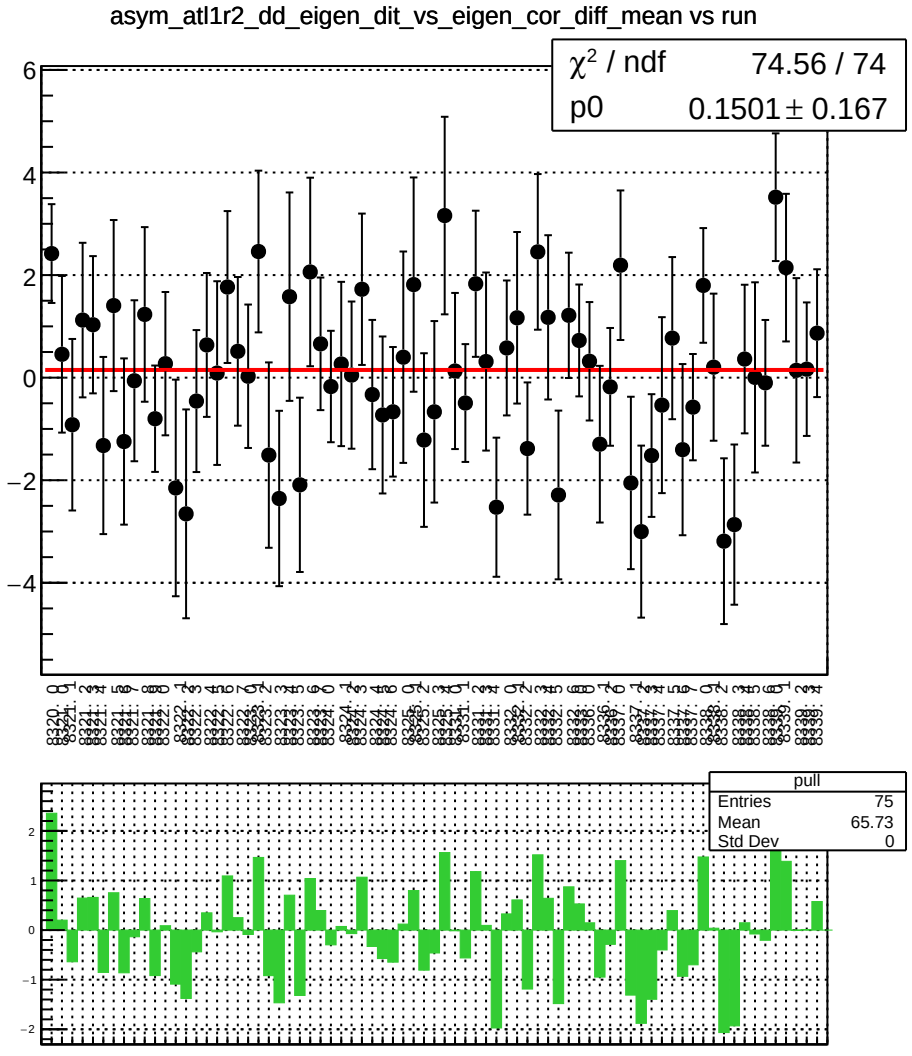

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.26 / 74
p0 7.905e−06 ± 2.083e−05
pull
Entries 75
Mean 262
Std Dev 0
pull1D
Entries 75
Mean 0.003706
Std Dev 1.054

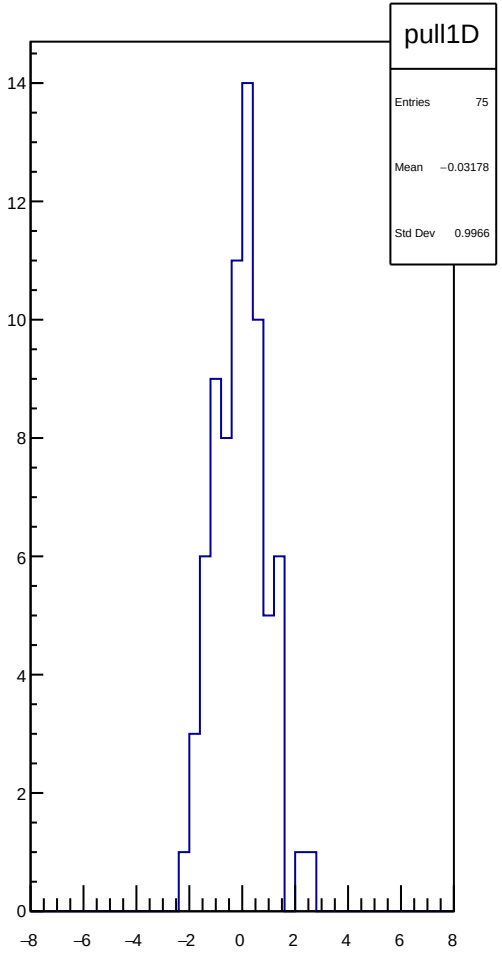

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3071 / 74
p0 0.0179 ± 1.473e−05
0.02
0.019
0.018
0.017
0.016

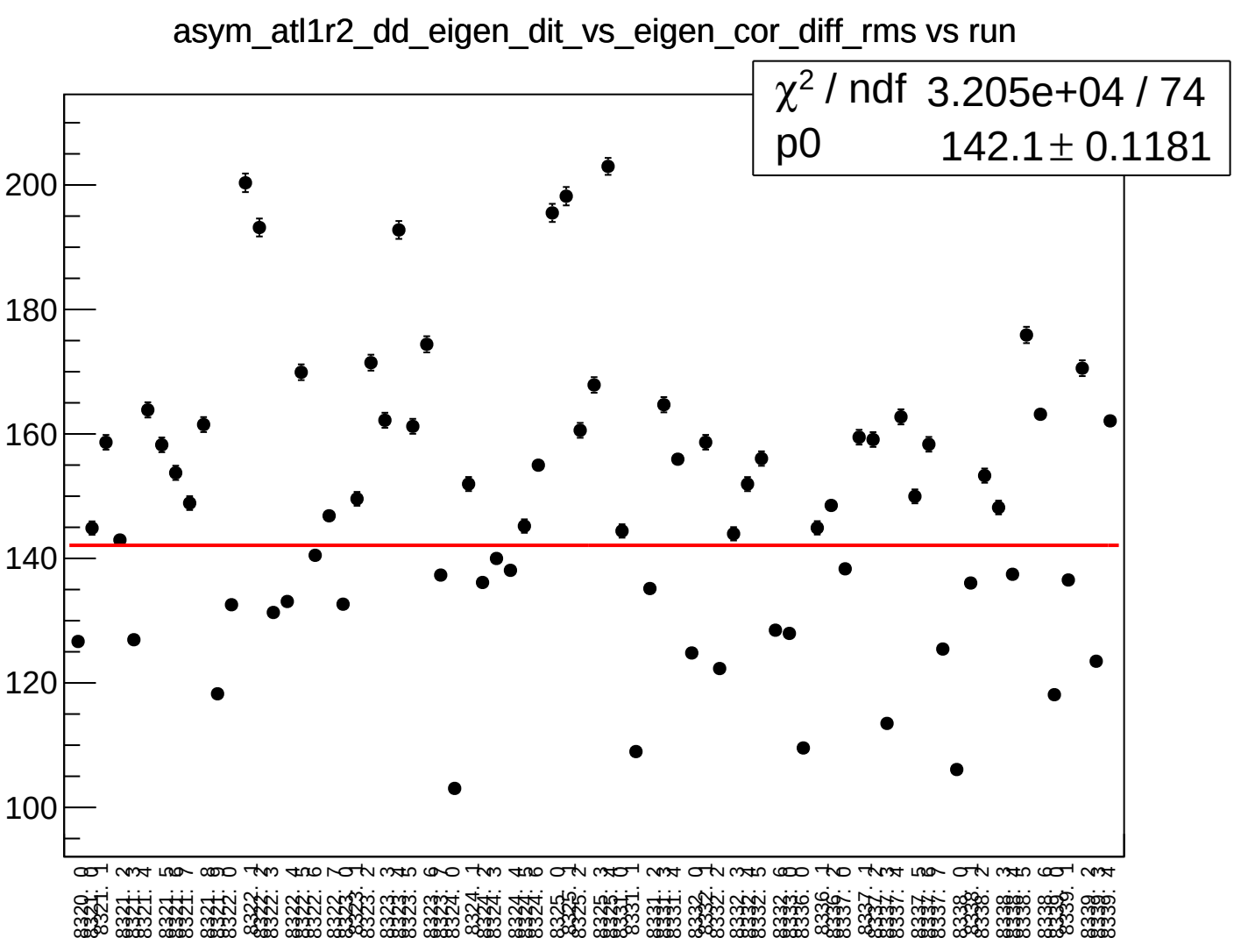

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.56 / 74
p0 0.1501 ± 0.167
pull
Entries 75
Mean 65.73
Std Dev 0

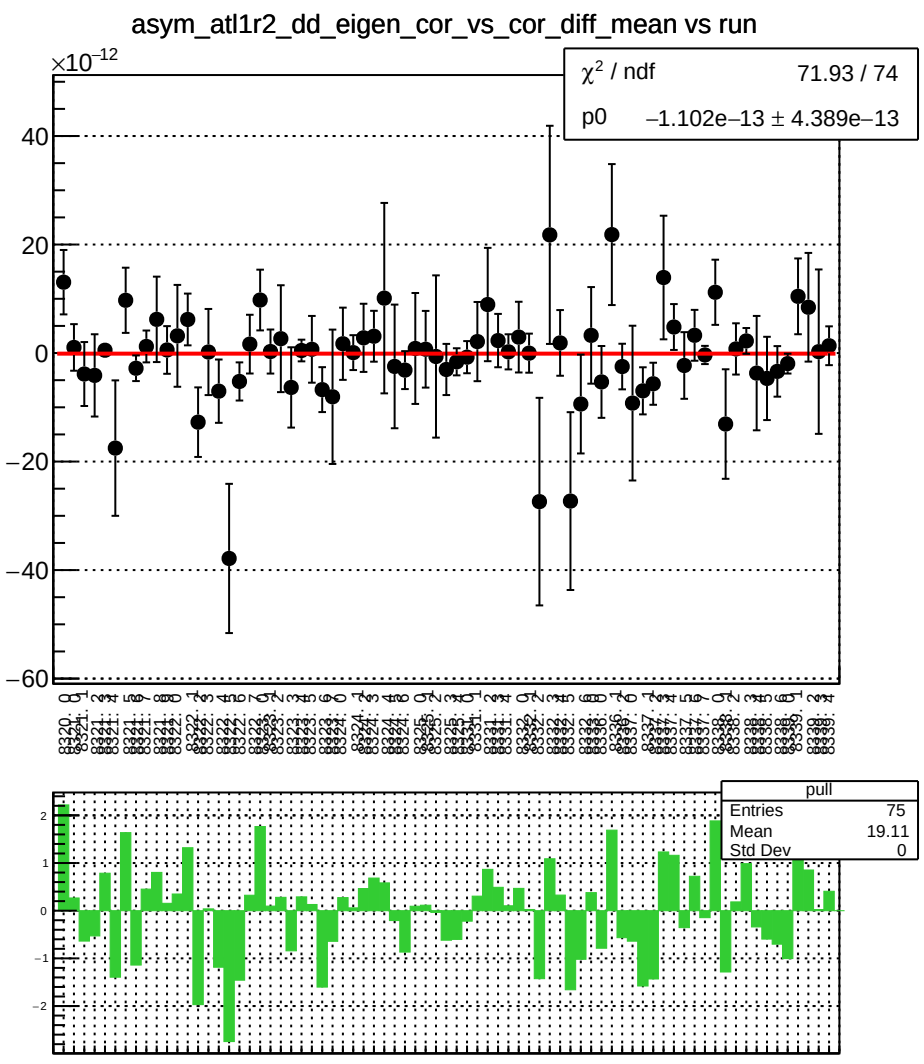

pull1D
Entries 75
Mean −0.03178
Std Dev 0.9966

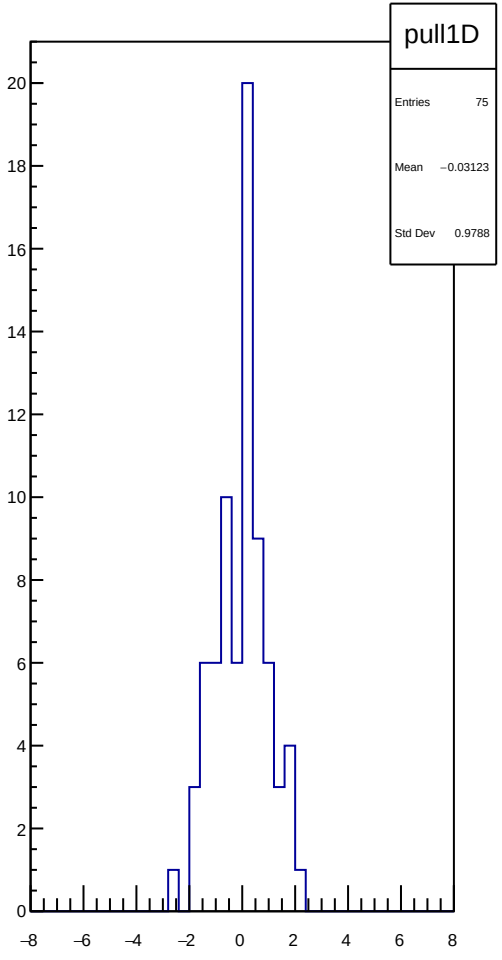

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.205e+04 / 74
p0 142.1 ± 0.1181
200
180
160
140
120
100

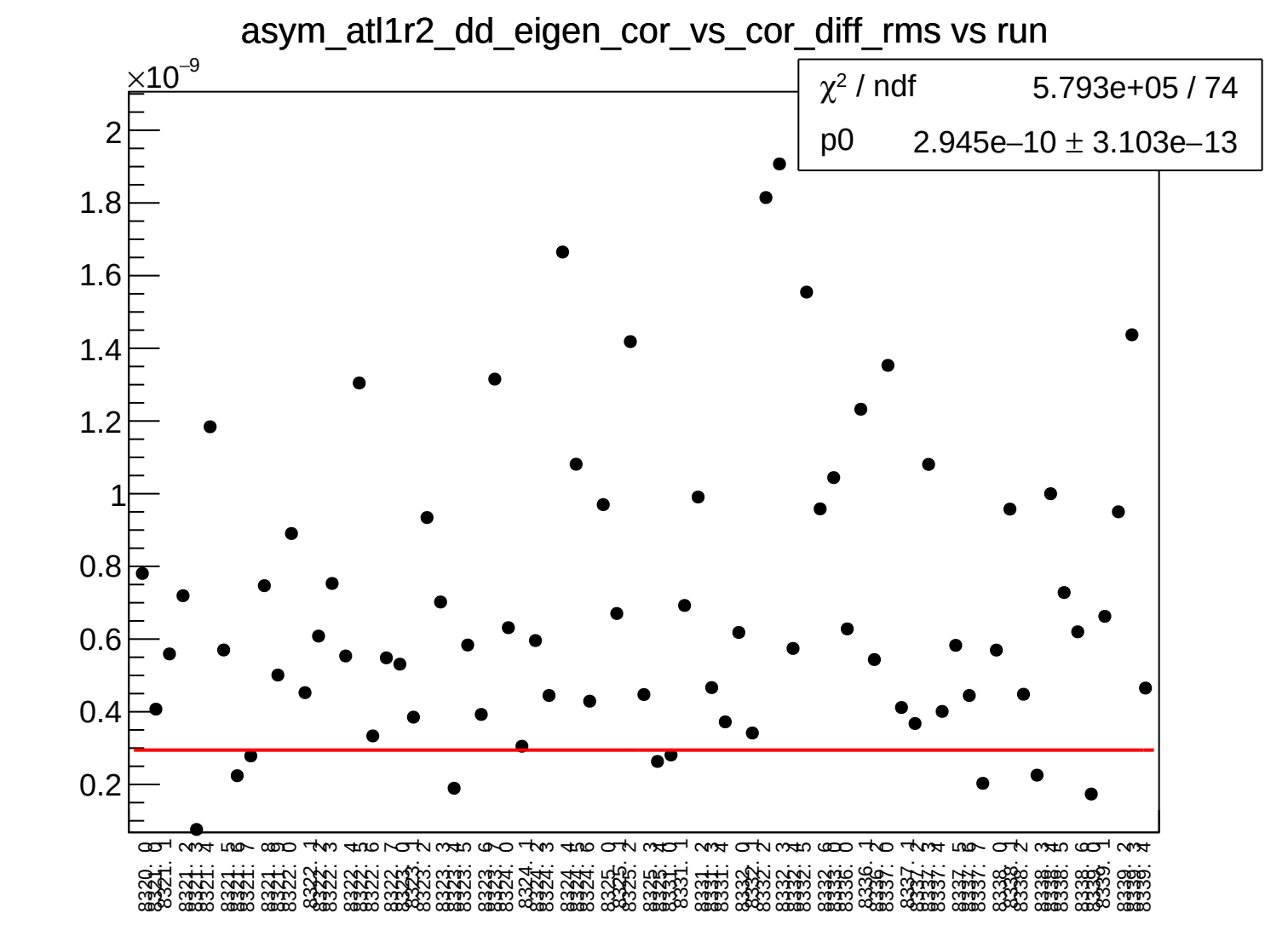

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.56 / 74
p0 0.1501 ± 0.167
pull
Entries 75
Mean 65.73
Std Dev 0

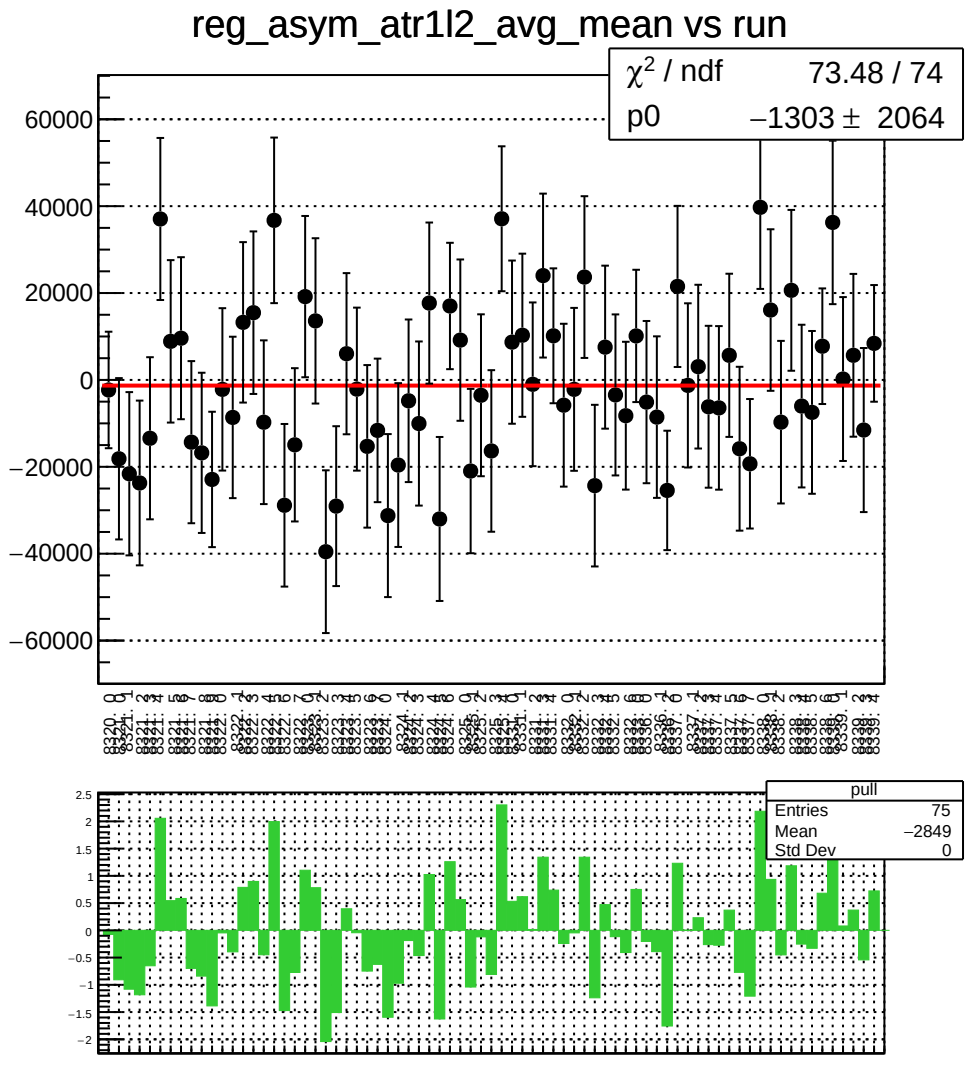

pull1D
Entries 75
Mean −0.03178
Std Dev 0.9966

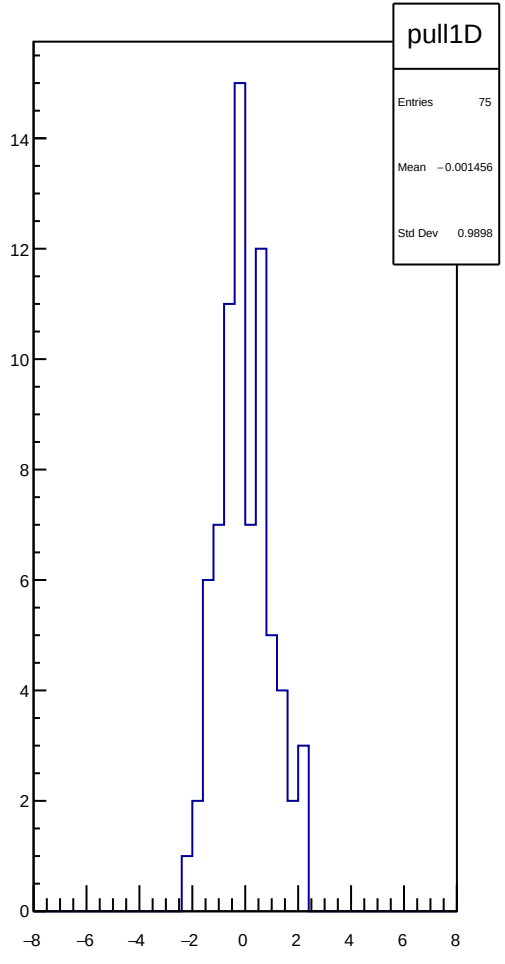

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.205e+04 / 74
p0 142.1 ± 0.1181
200
180
160
140
120
100

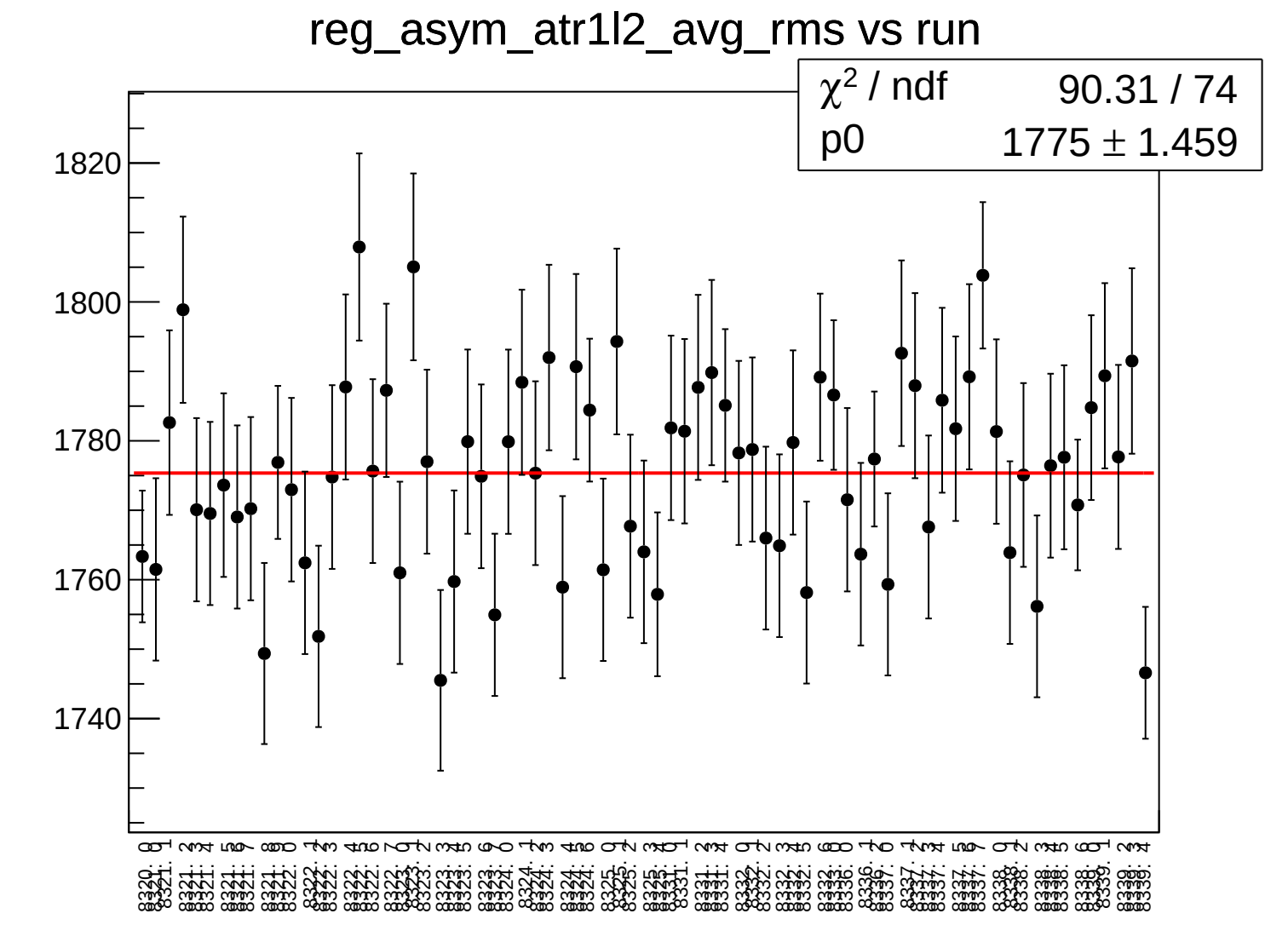

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 71.93 / 74
p0 −1.102e−13 ± 4.389e−13
pull
Entries 75
Mean 19.11
Std Dev 0

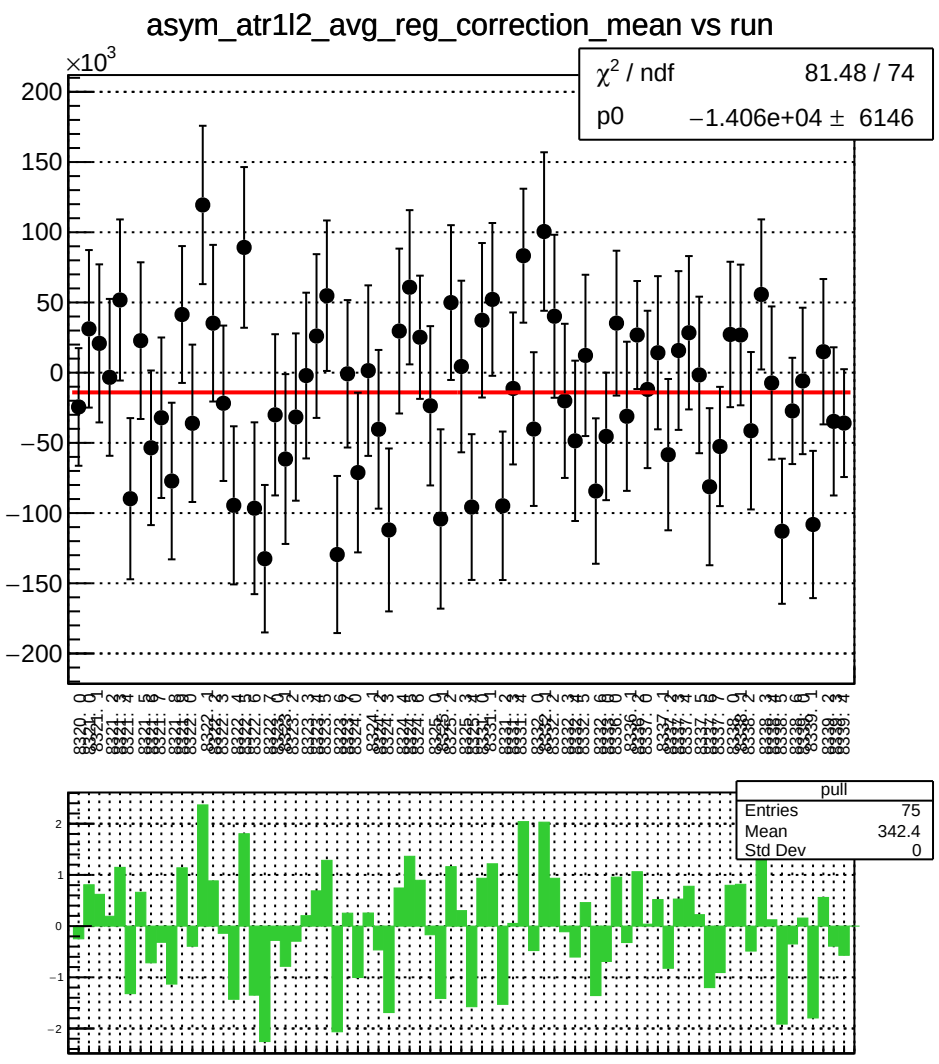

pull1D
Entries 75
Mean −0.03123
Std Dev 0.9788

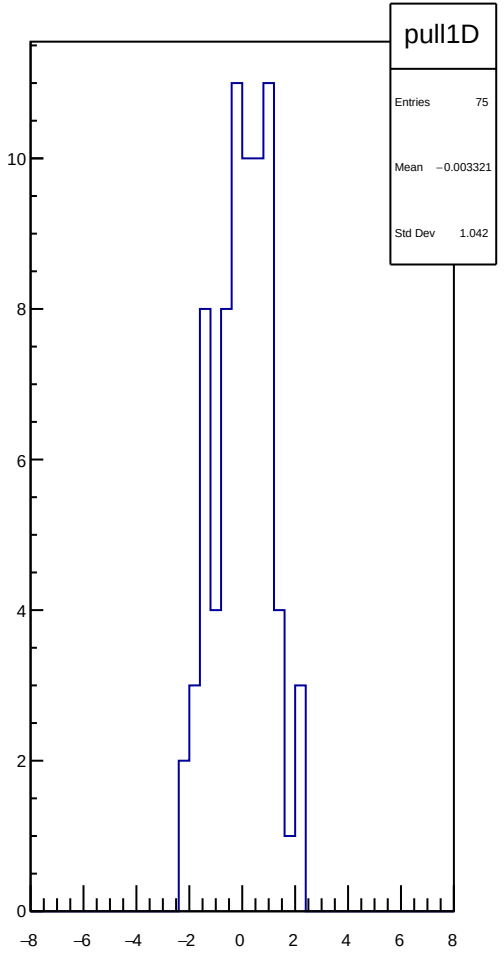

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.793e+05 / 74
p0 2.945e−10 ± 3.103e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

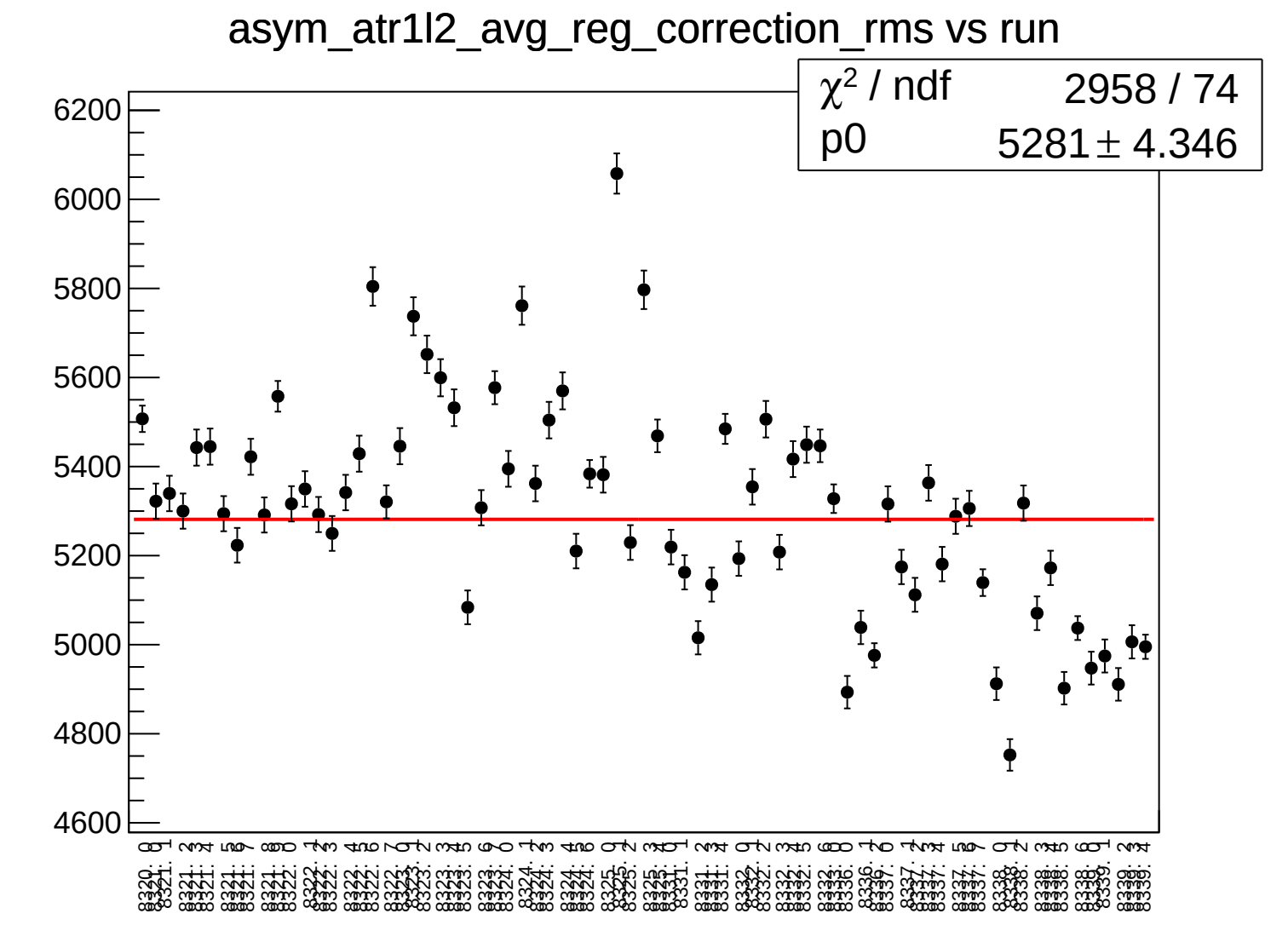

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 73.48 / 74
p0 −1303 ± 2064
pull
Entries 75
Mean −2849
Std Dev 0

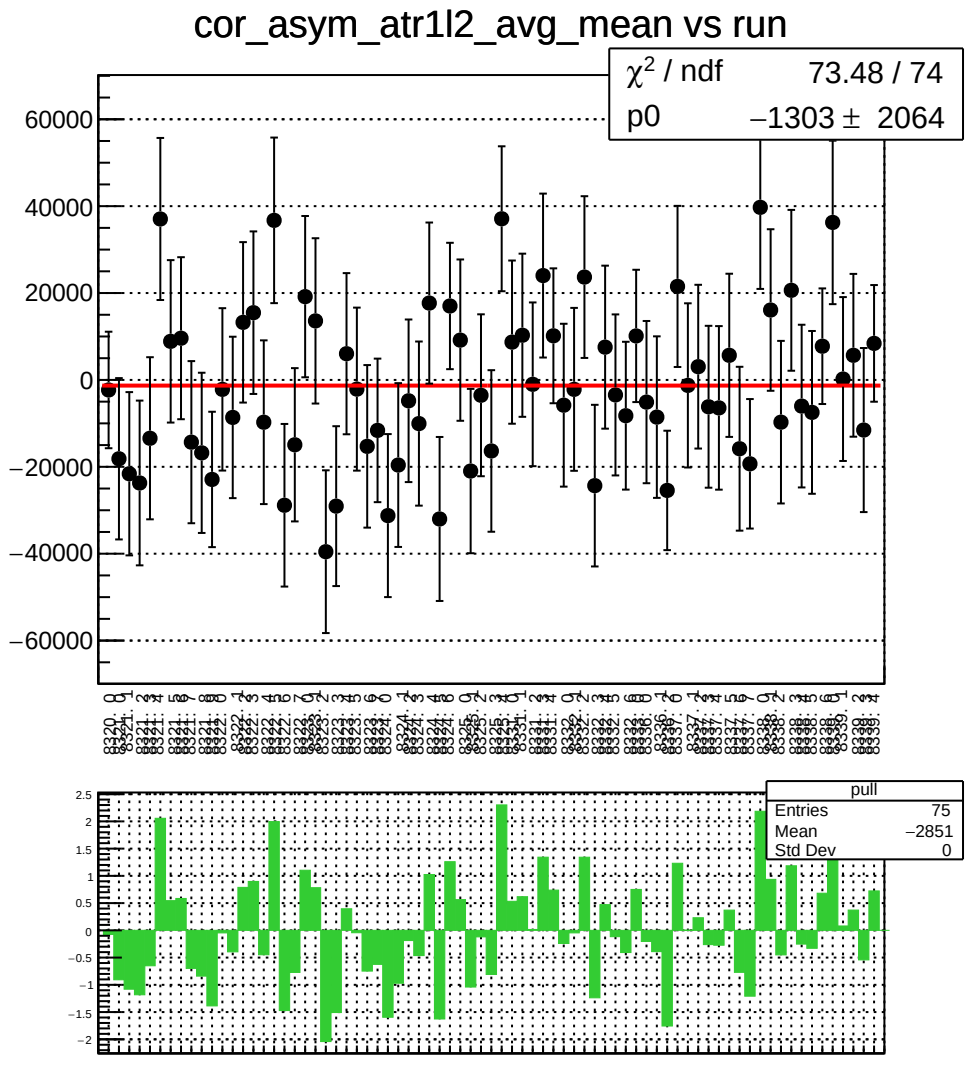

pull1D
Entries 75
Mean −0.001456
Std Dev 0.9898

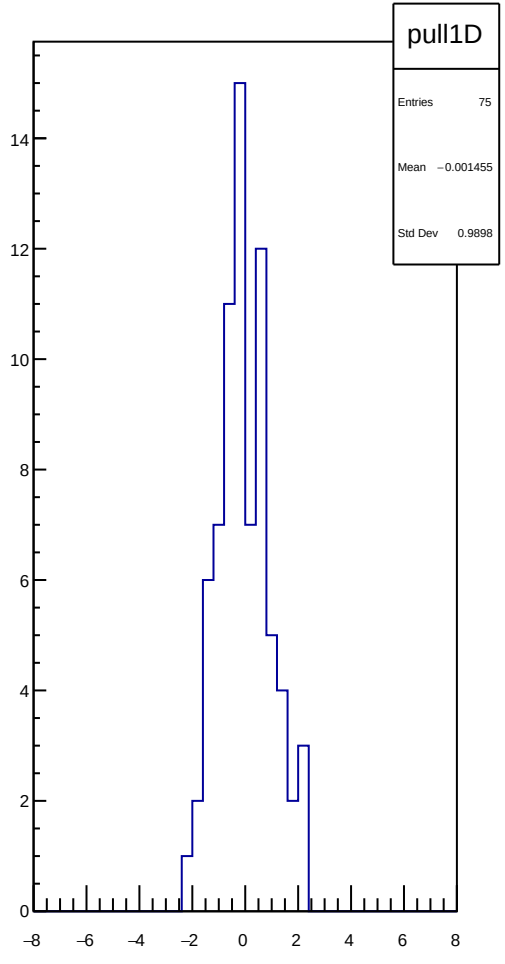

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 90.31 / 74
p0 1775 ± 1.459
1820
1800
1780
1760
1740

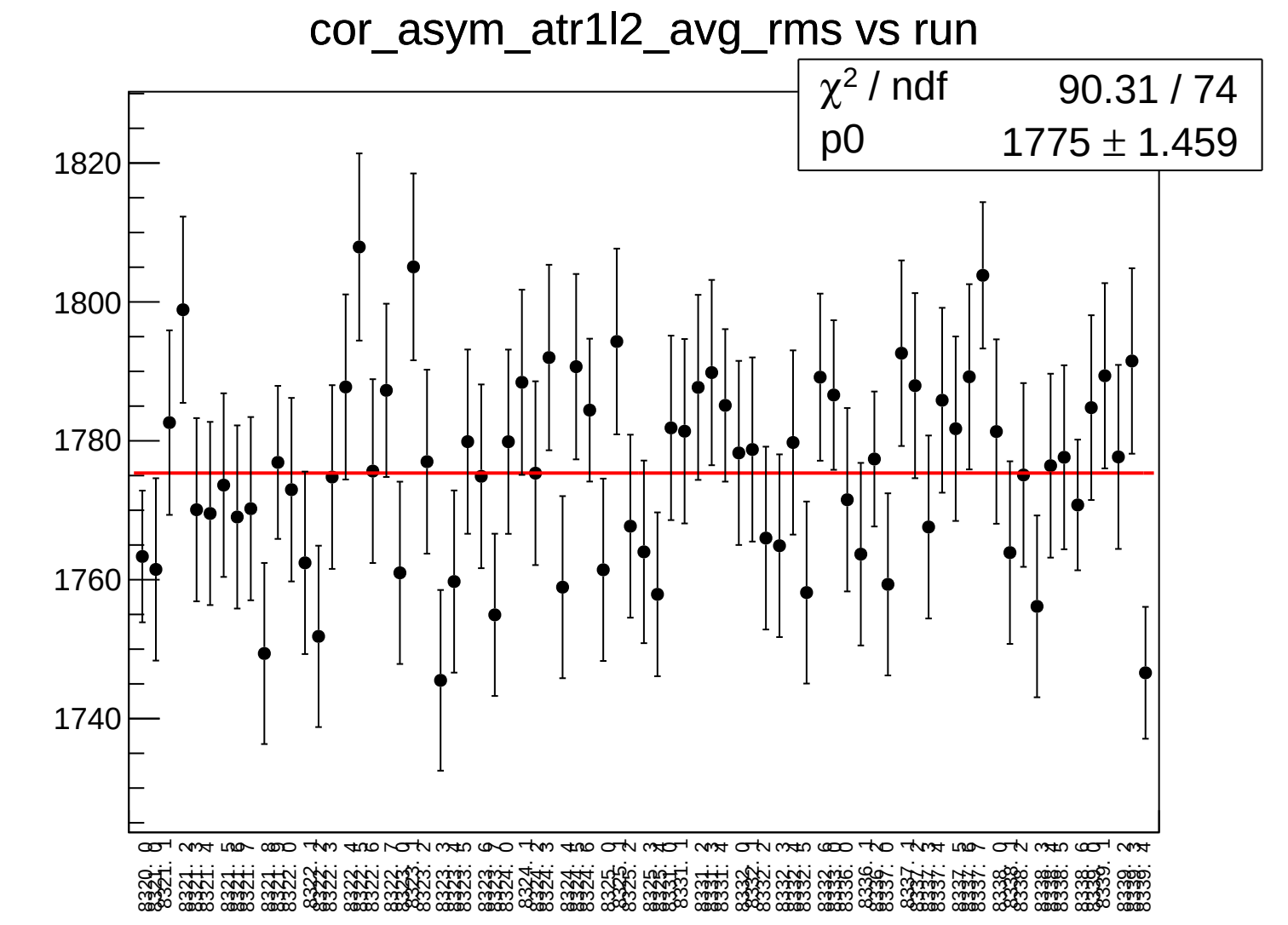

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −1.406e+04 ± 6146
pull
Entries 75
Mean 342.4
Std Dev 0

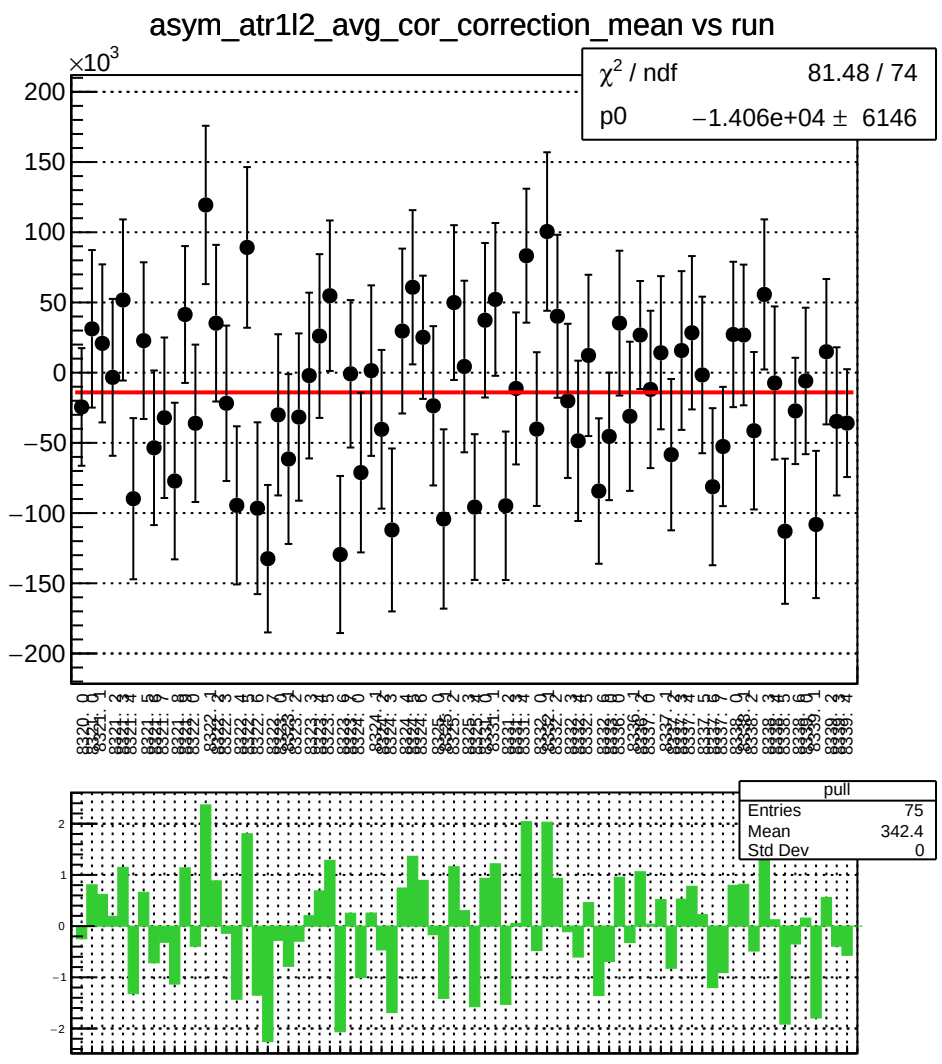

pull1D
Entries 75
Mean −0.003321
Std Dev 1.042

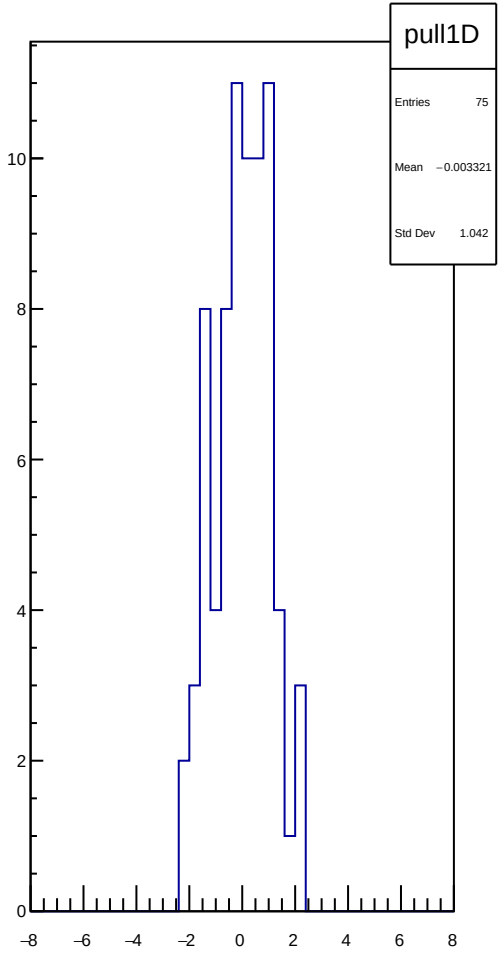

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 2958 / 74
p0 5281 ± 4.346
6200
6000
5800
5600
5400
5200
5000
4800
4600

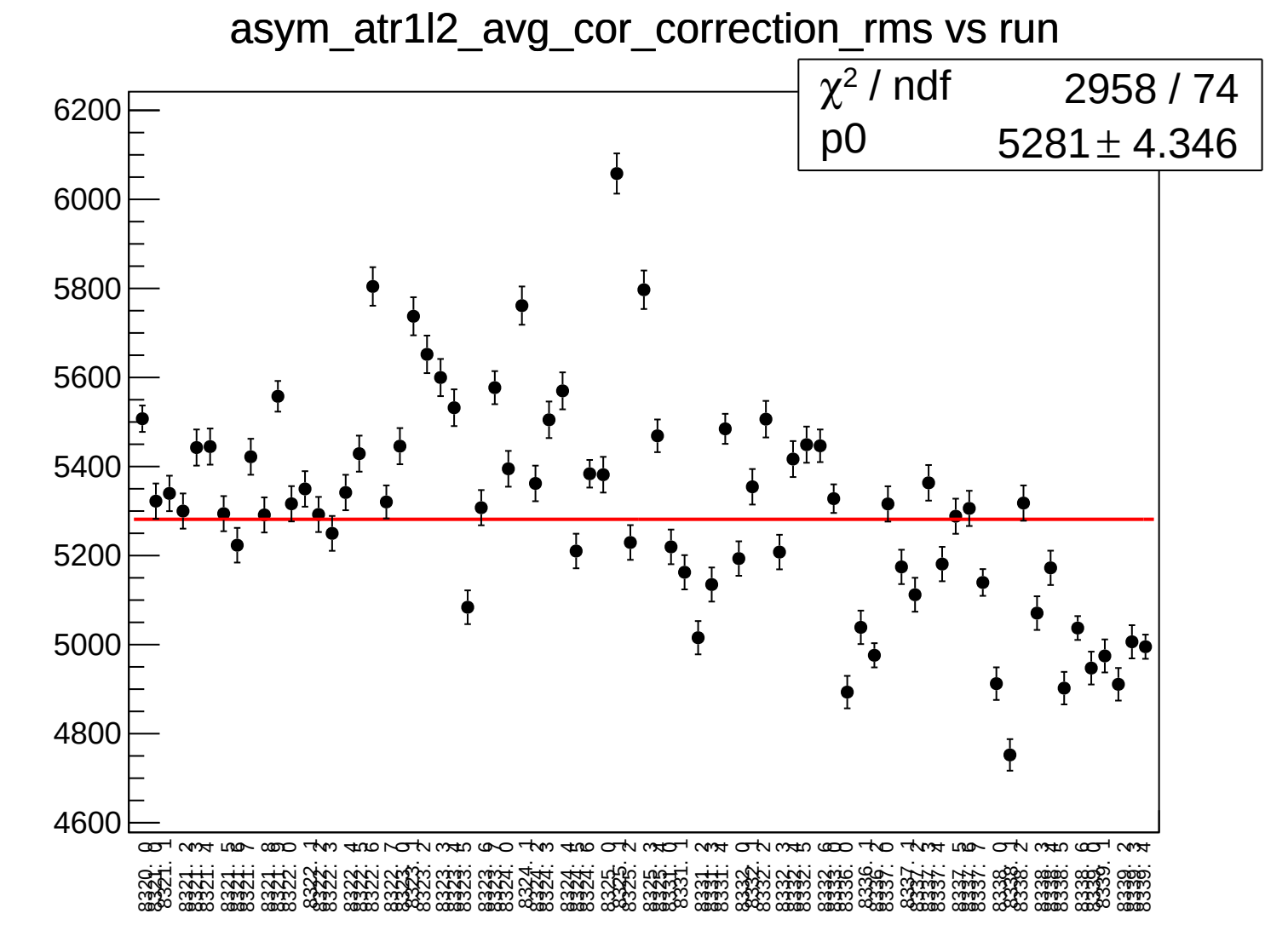

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 73.48 / 74
p0 −1303 ± 2064
pull
Entries 75
Mean −2851
Std Dev 0

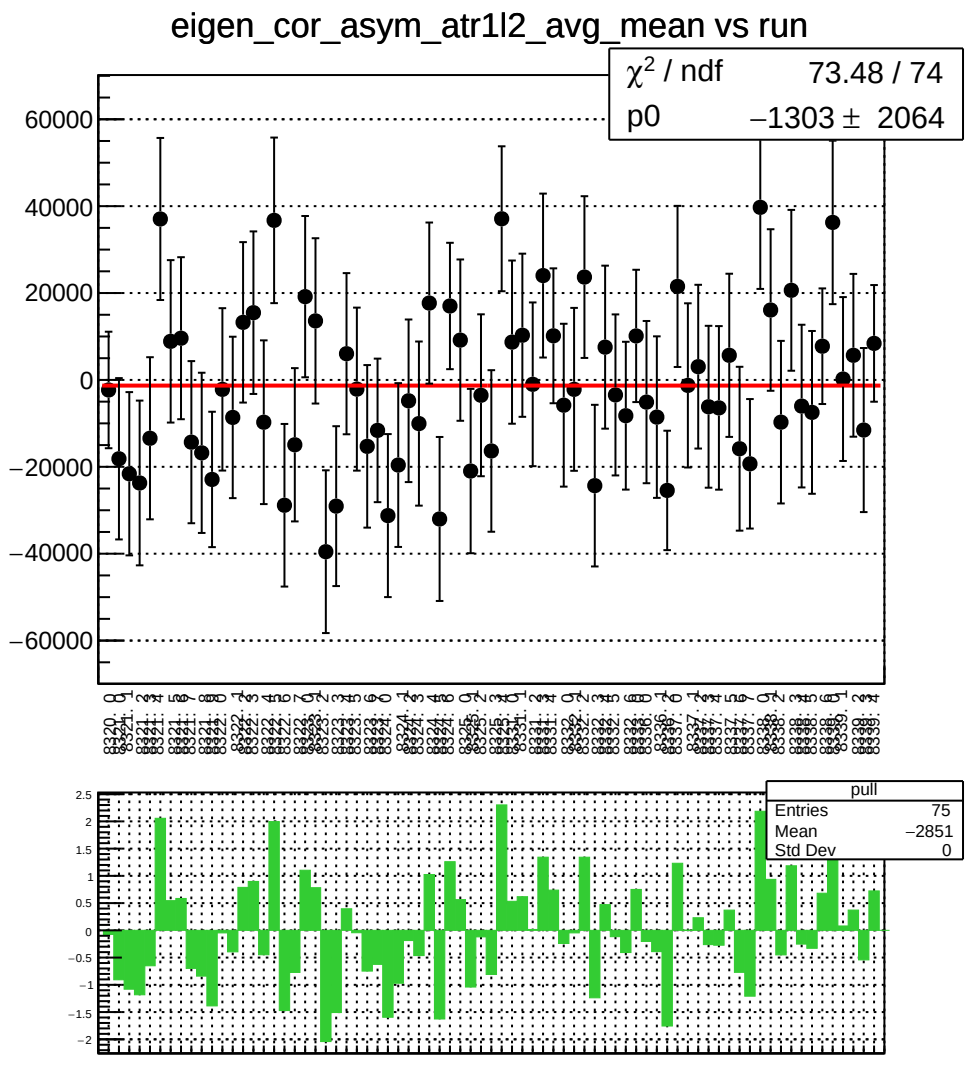

pull1D
Entries 75
Mean −0.001455
Std Dev 0.9898

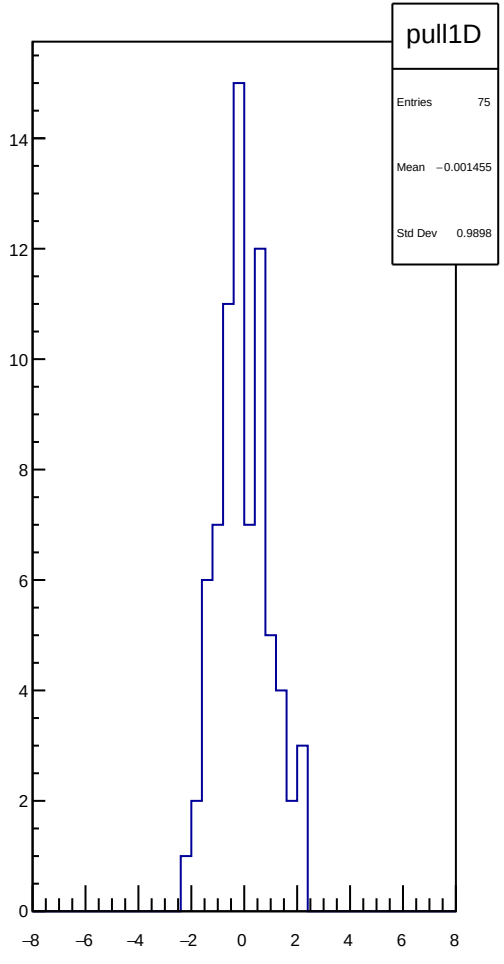

cor_asym_atr1l2_avg_rms vs run
χ^2 / ndf 90.31 / 74
p0 1775 ± 1.459
1820
1800
1780
1760
1740

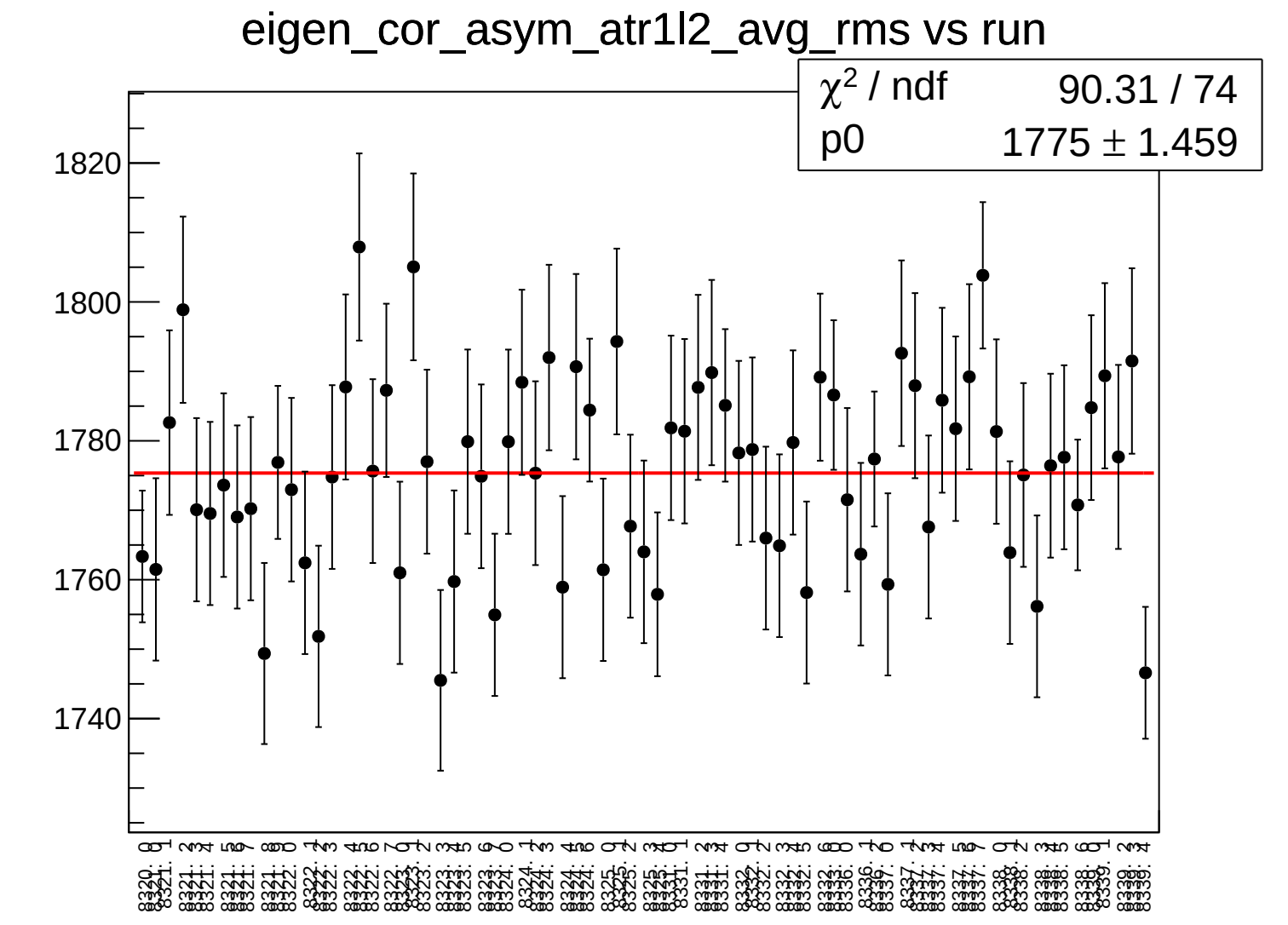

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −1.406e+04 ± 6146
pull
Entries 75
Mean 342.4
Std Dev 0

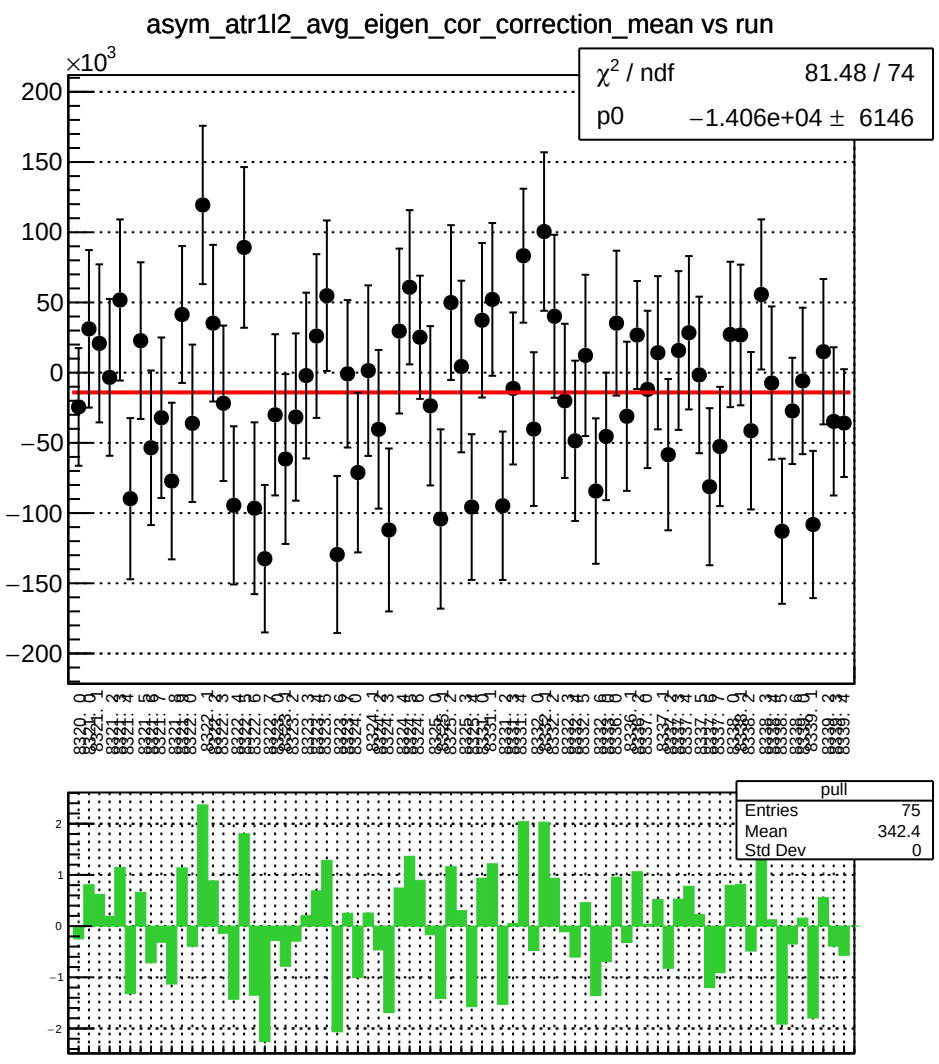

pull1D
Entries 75
Mean −0.003321
Std Dev 1.042

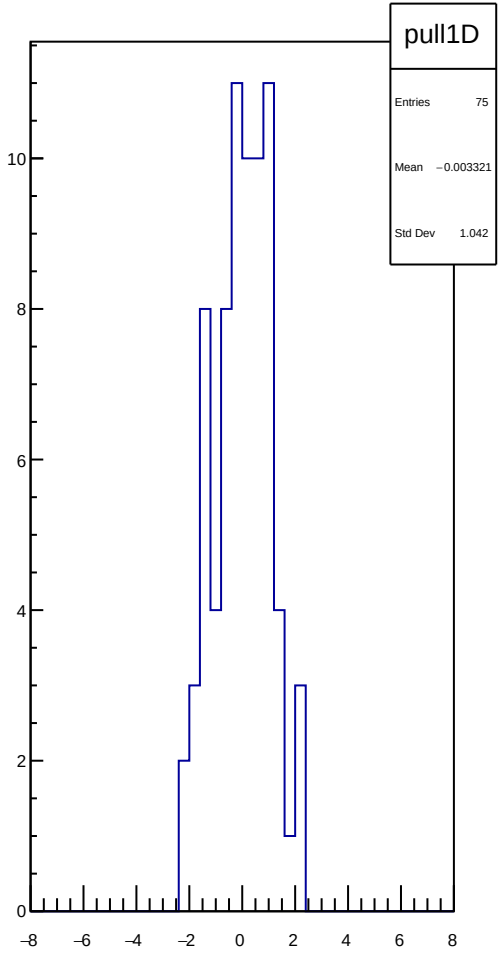

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 2958 / 74
p0 5281 ± 4.346
6200
6000
5800
5600
5400
5200
5000
4800
4600

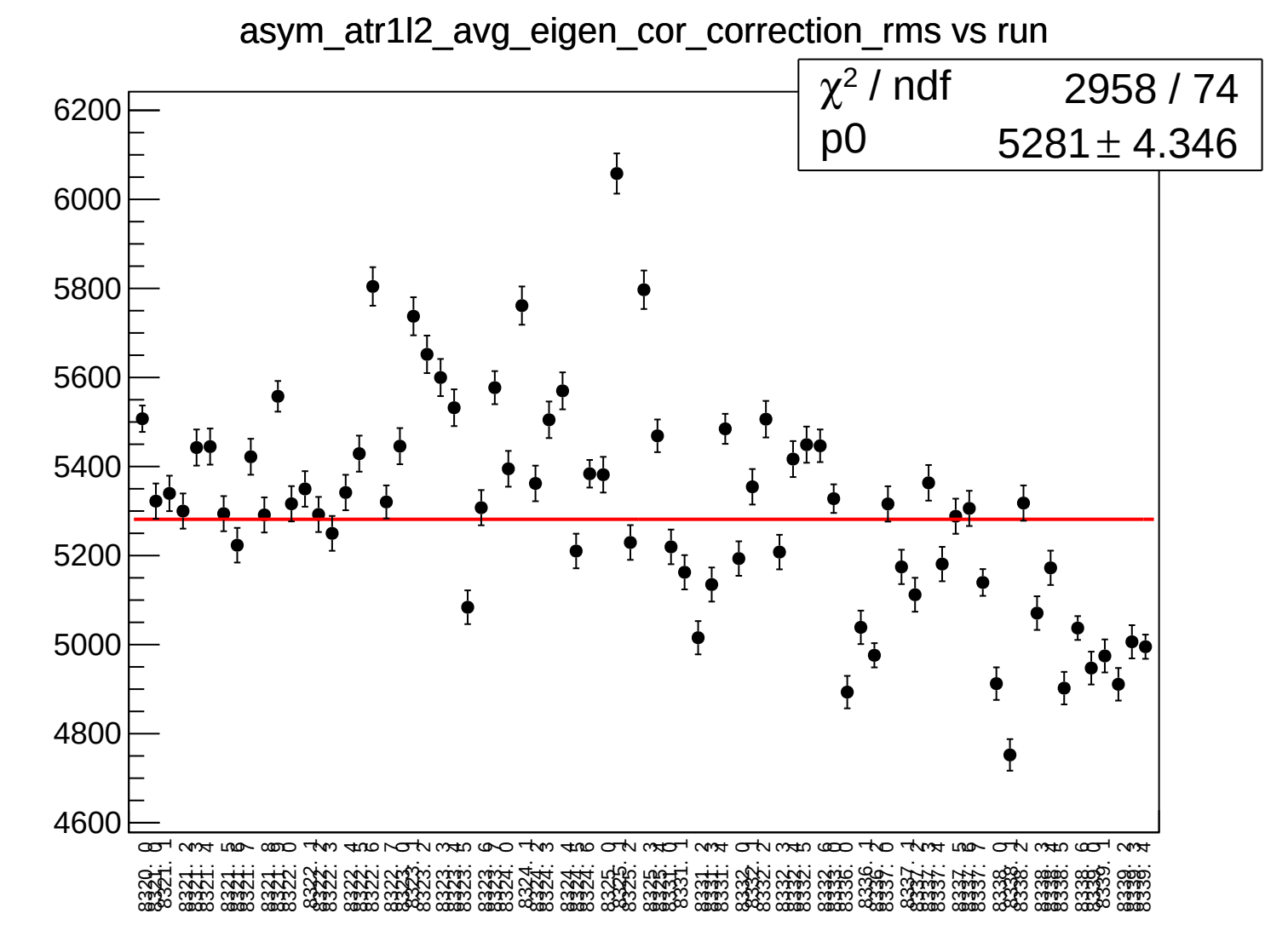

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 73.48 / 74
p0 −1303 ± 2064
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −2851
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

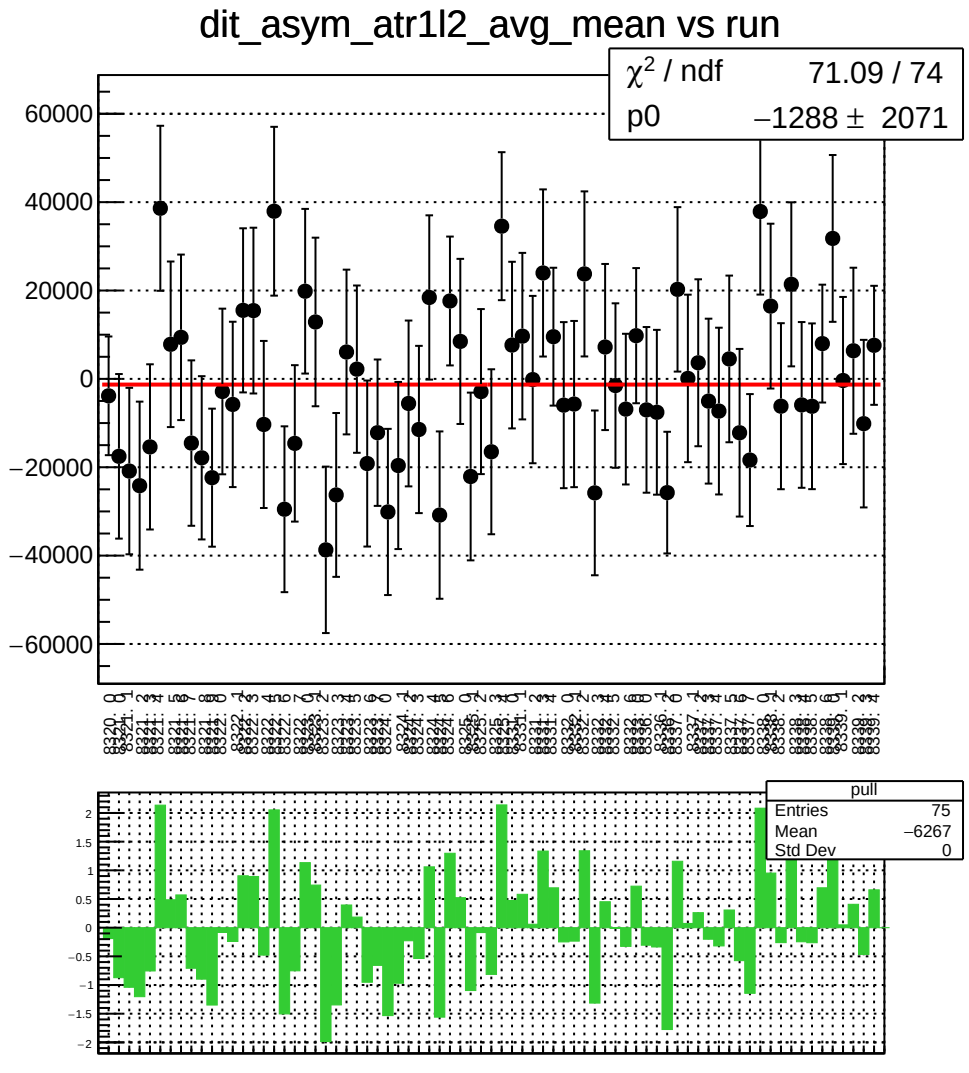

pull1D
Entries 75
Mean −0.001455
Std Dev 0.9898
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

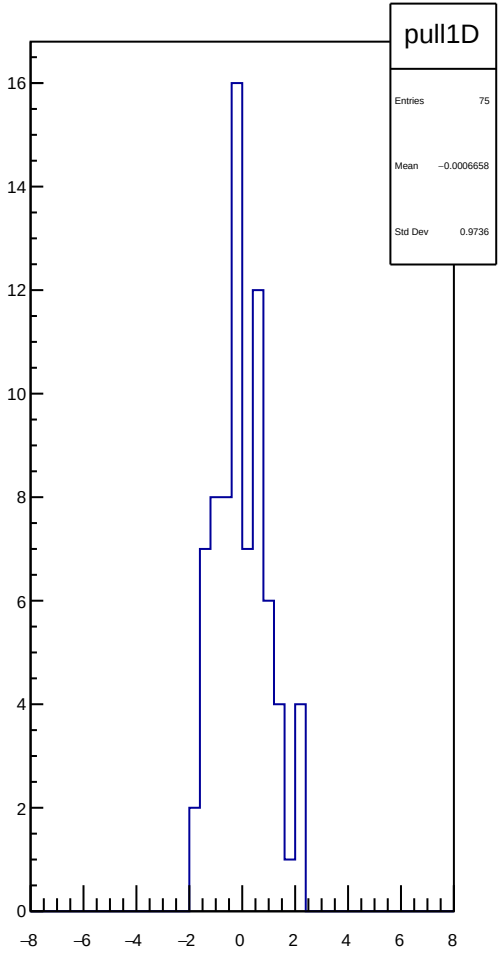

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 90.31 / 74
p0 1775 ± 1.459
1820
1800
1780
1760
1740

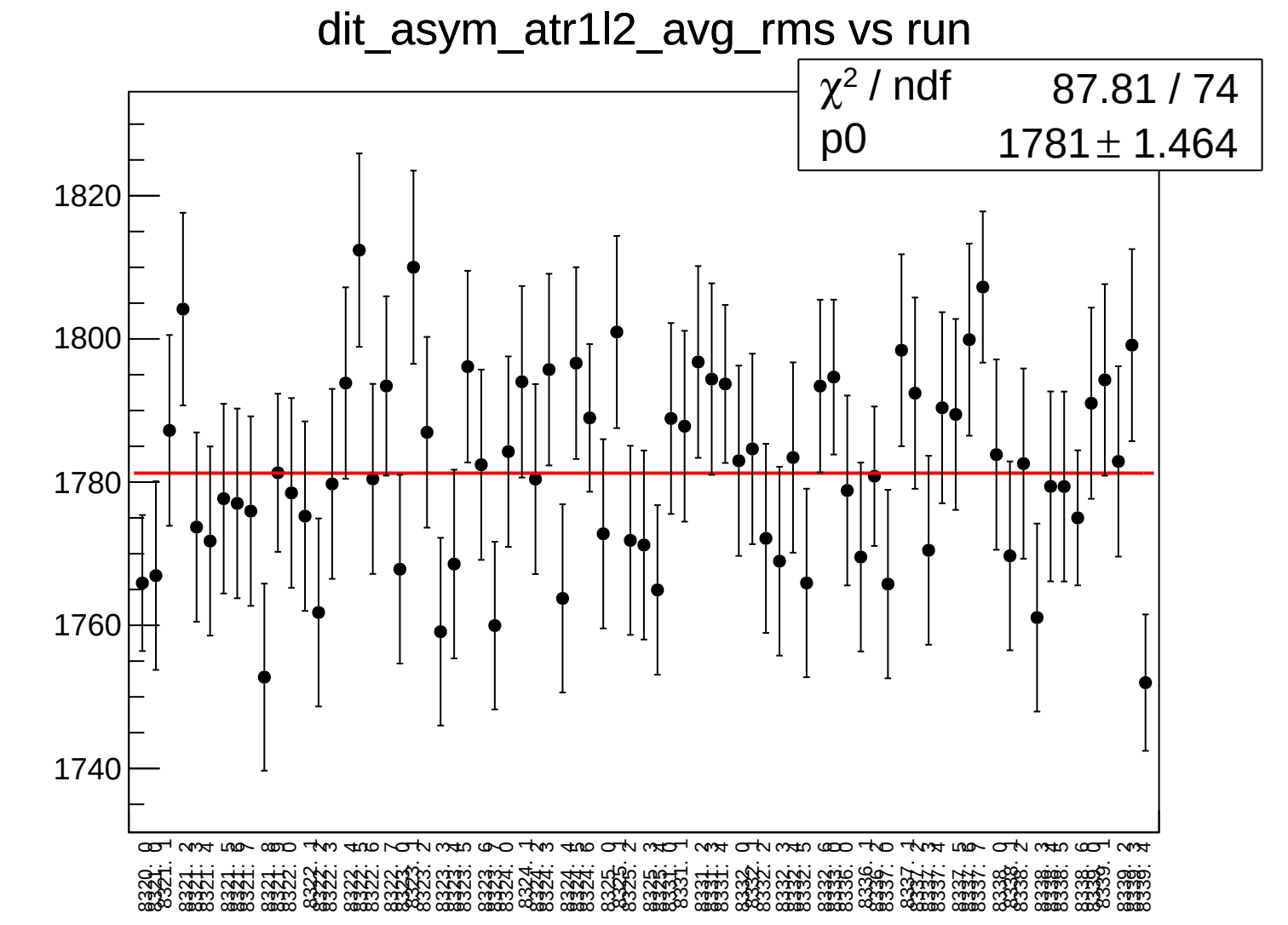

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −1.406e+04 ± 6146
pull
Entries 75
Mean 342.4
Std Dev 0

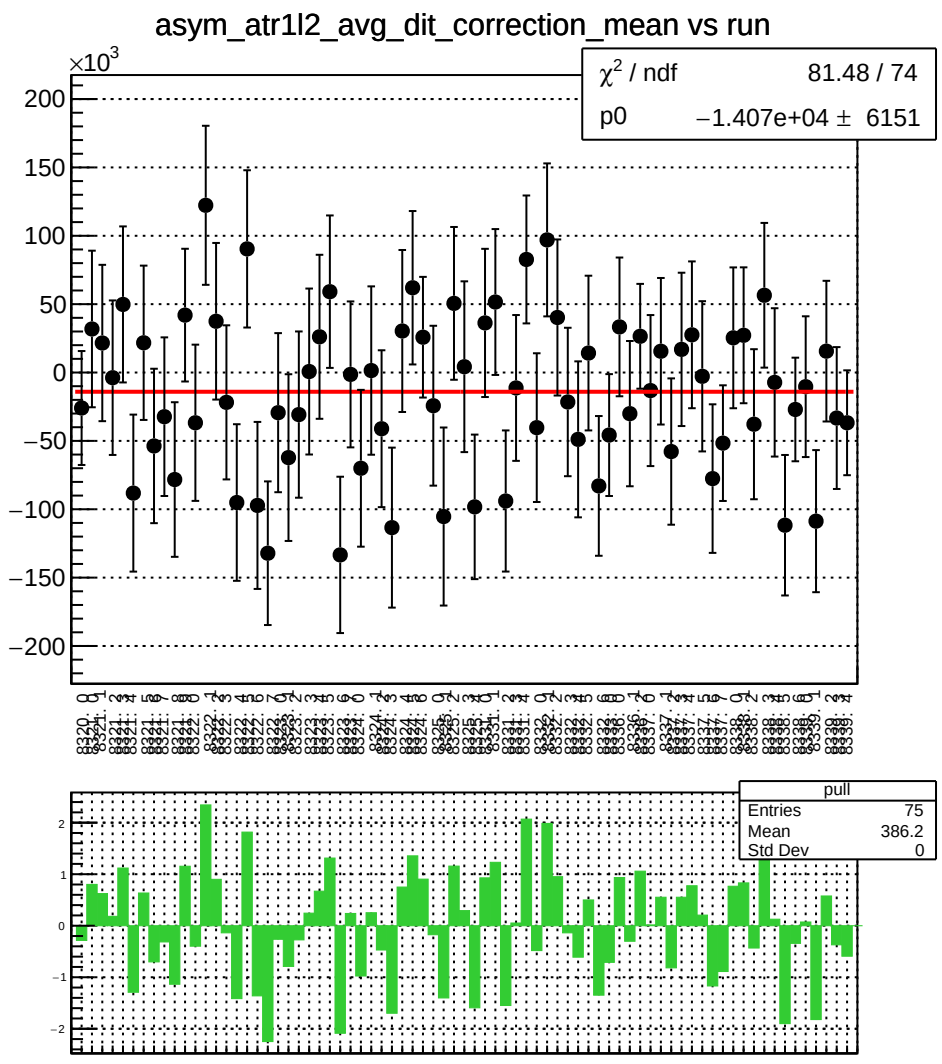

pull1D
Entries 75
Mean −0.003321
Std Dev 1.042

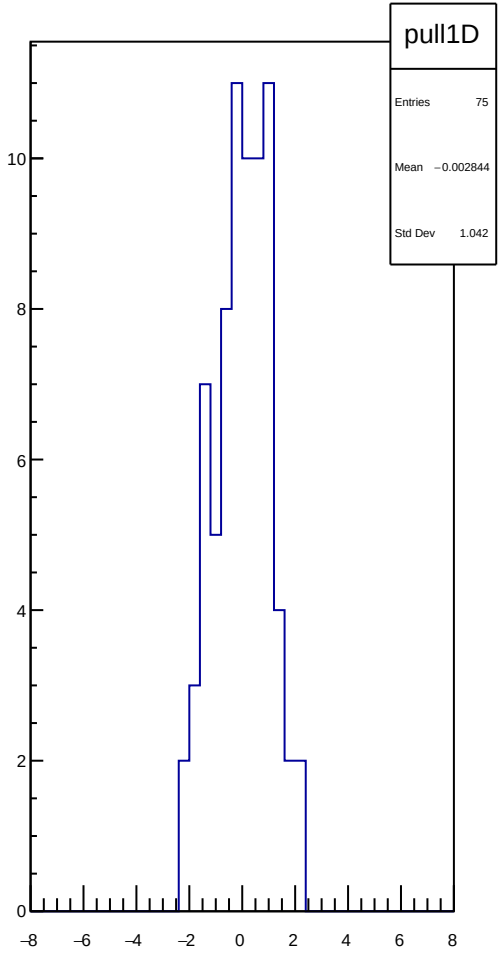

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2958 / 74
p0 5281 ± 4.346
6200
6000
5800
5600
5400
5200
5000
4800
4600

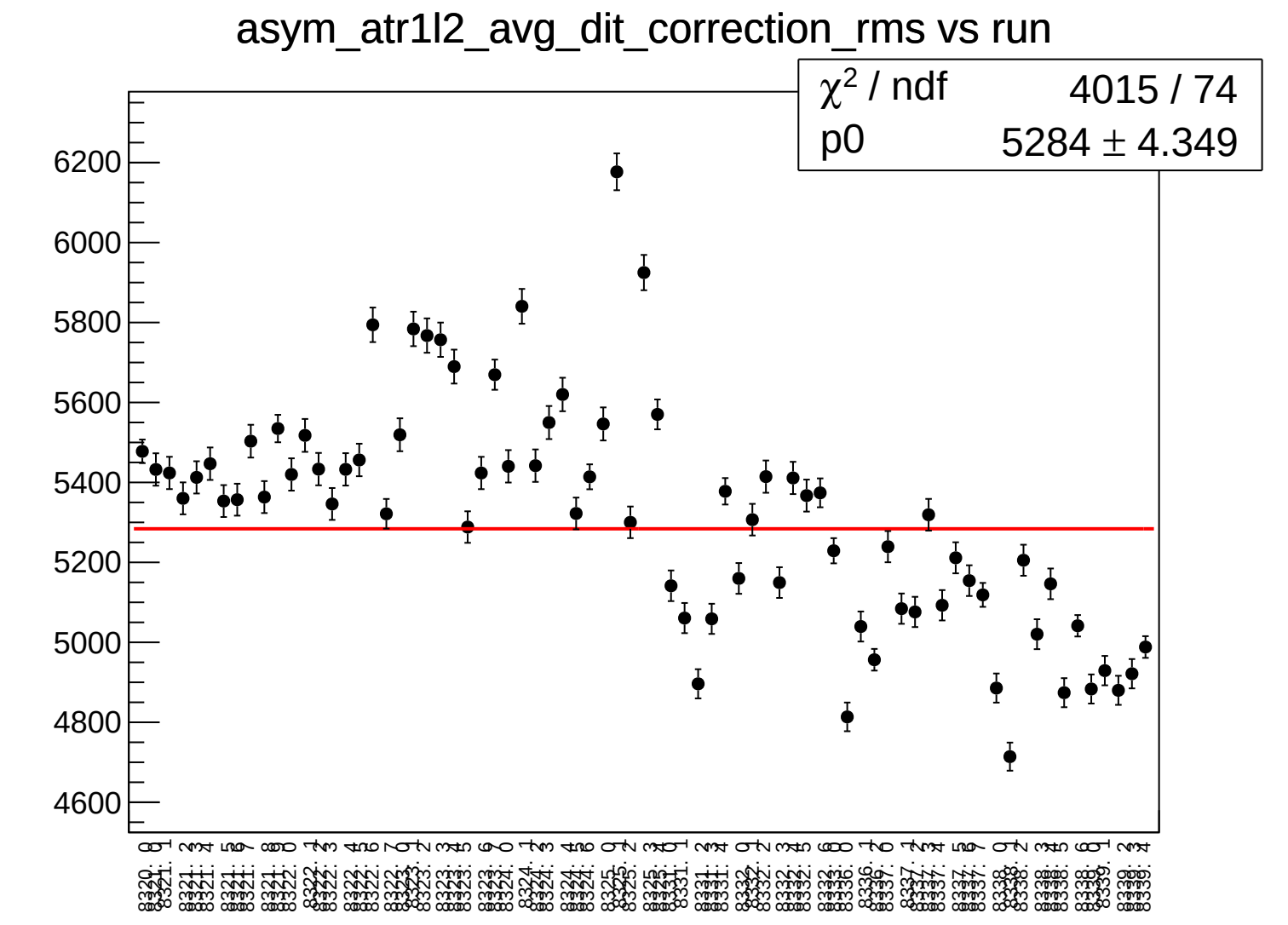

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 71.09 / 74
p0 −1288 ± 2071
pull
Entries 75
Mean −6267
Std Dev 0

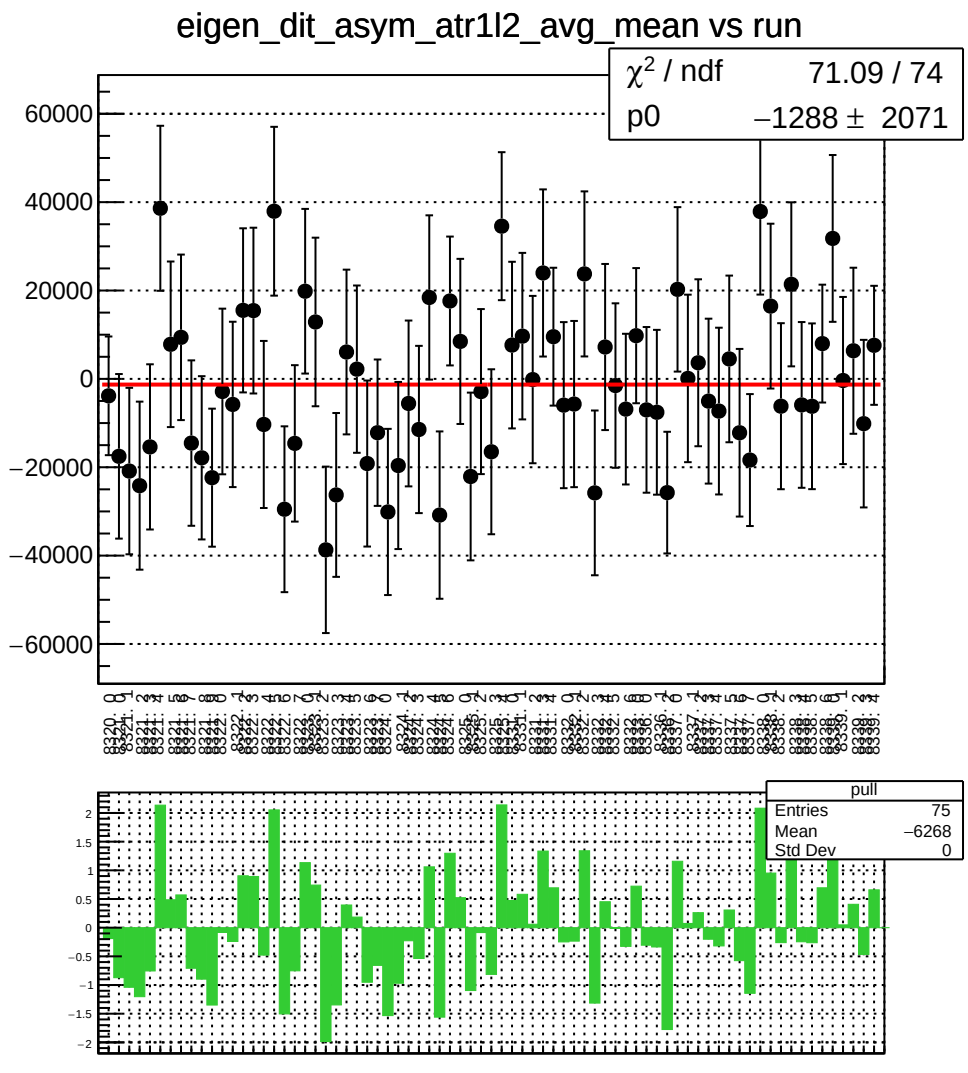

pull1D
Entries 75
Mean −0.0006658
Std Dev 0.9736

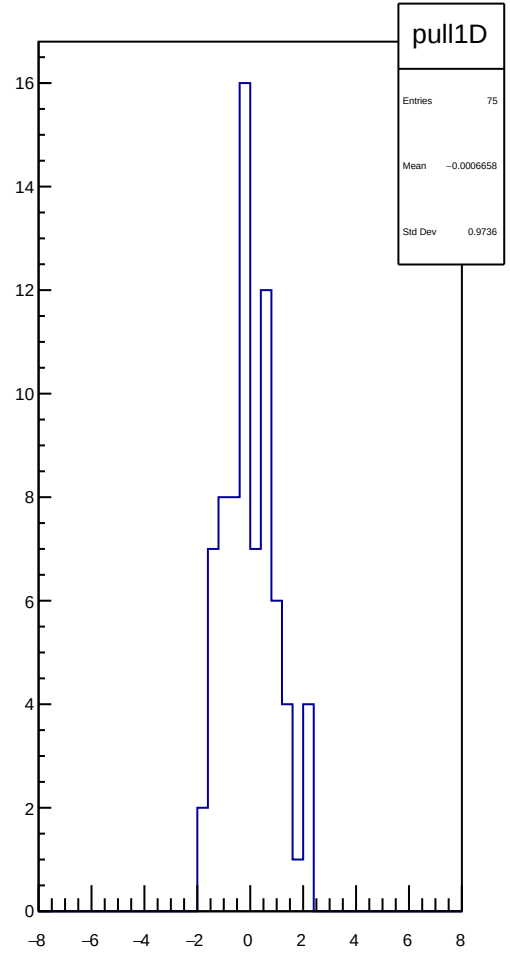

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 87.81 / 74
p0 1781 ± 1.464
1820
1800
1780
1760
1740

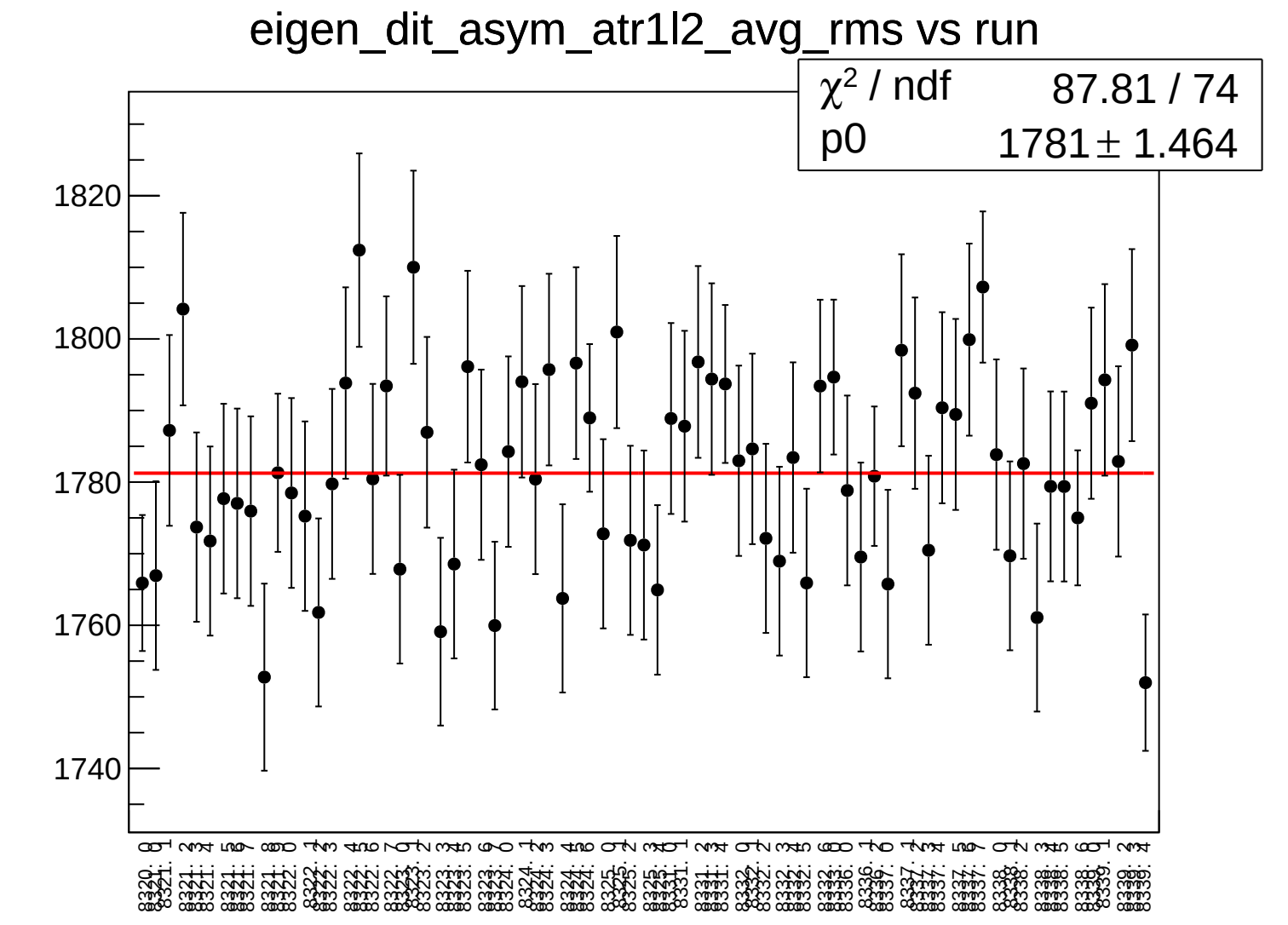

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −1.407e+04 ± 6151
pull
Entries 75
Mean 386.2
Std Dev 0

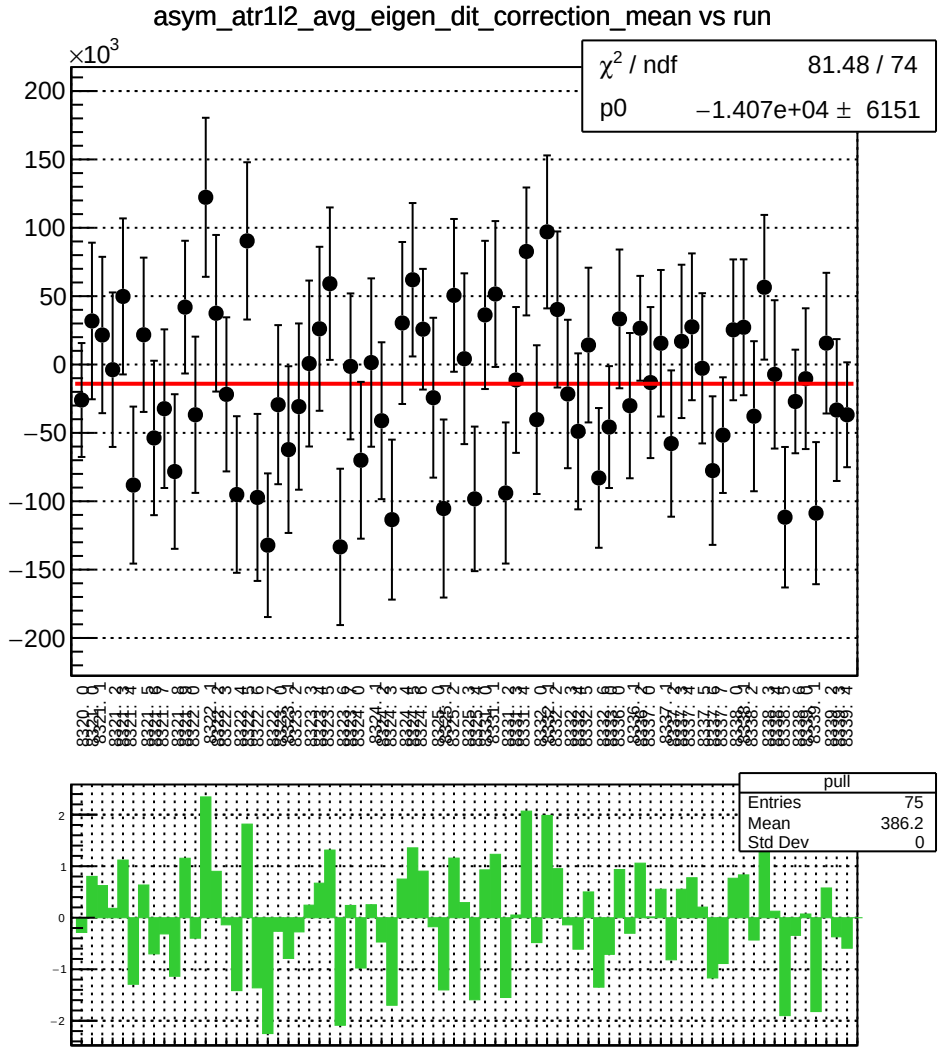

pull1D
Entries 75
Mean −0.002844
Std Dev 1.042

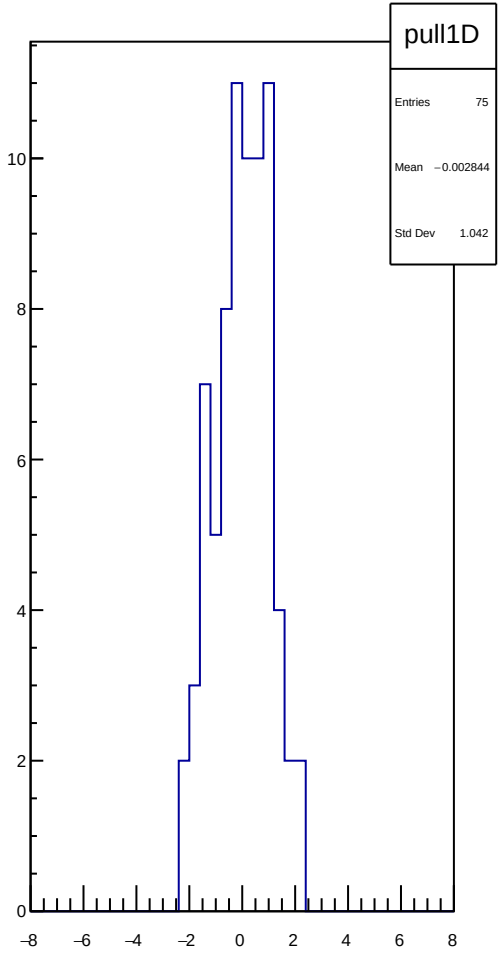

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 4015 / 74
p0 5284 ± 4.349
6200
6000
5800
5600
5400
5200
5000
4800
4600

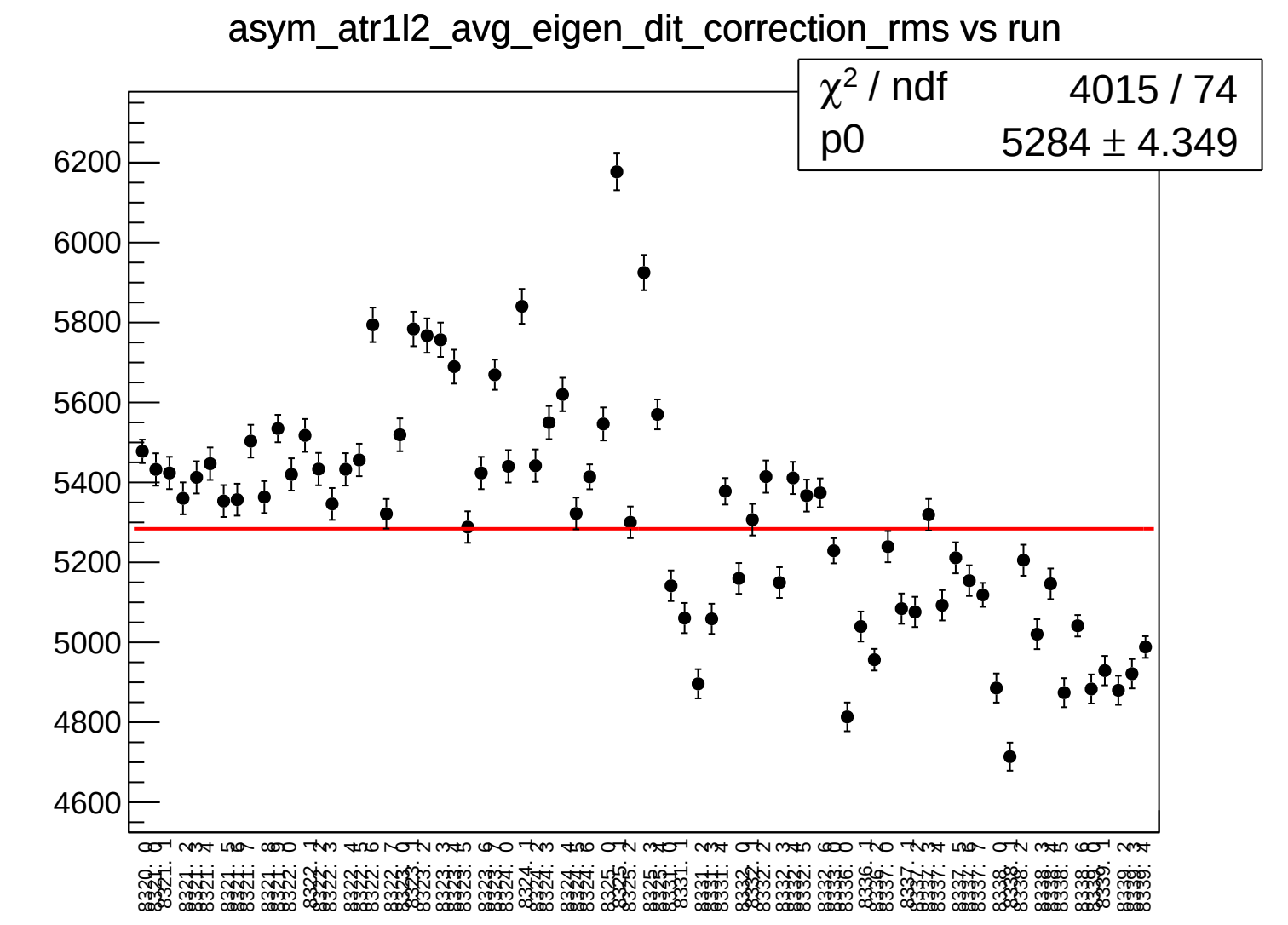

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 71.09 / 74
p0 −1288 ± 2071
pull
Entries 75
Mean −6268
Std Dev 0

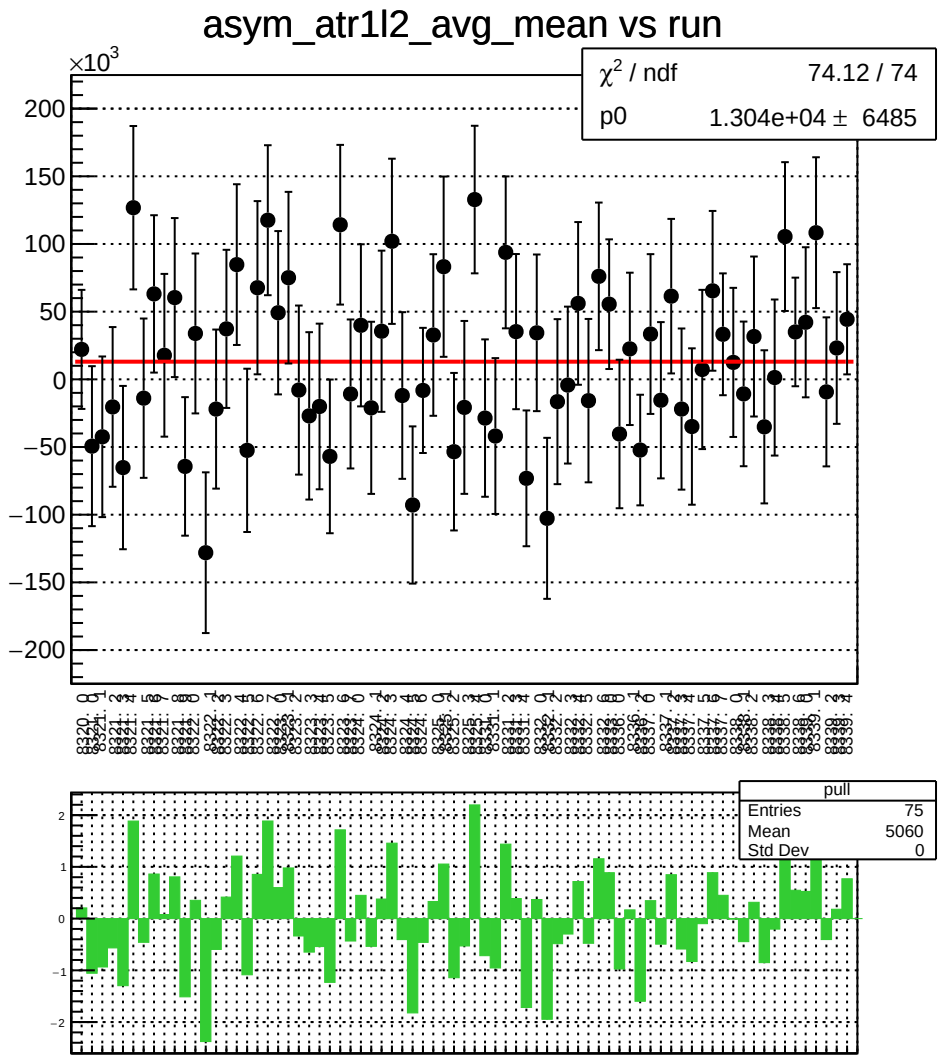

pull1D
Entries 75
Mean −0.0006658
Std Dev 0.9736

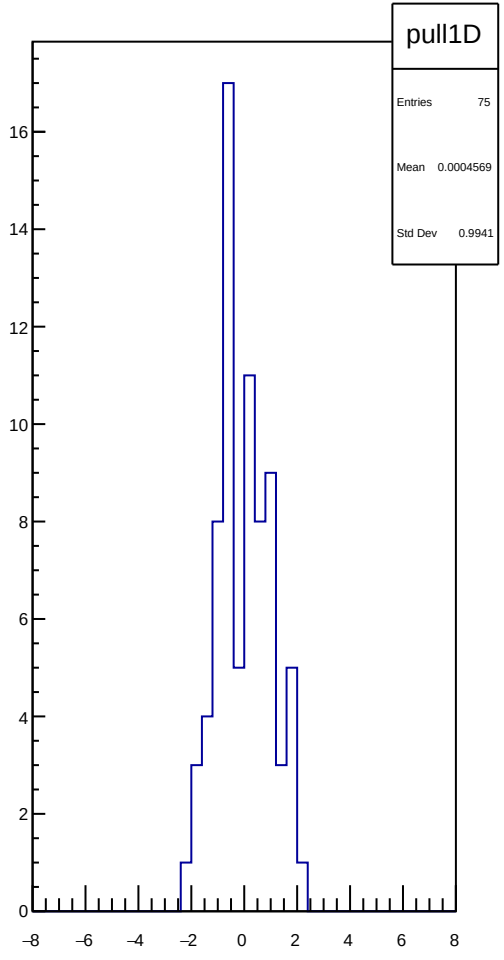

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 87.81 / 74
p0 1781 ± 1.464
1820
1800
1780
1760
1740

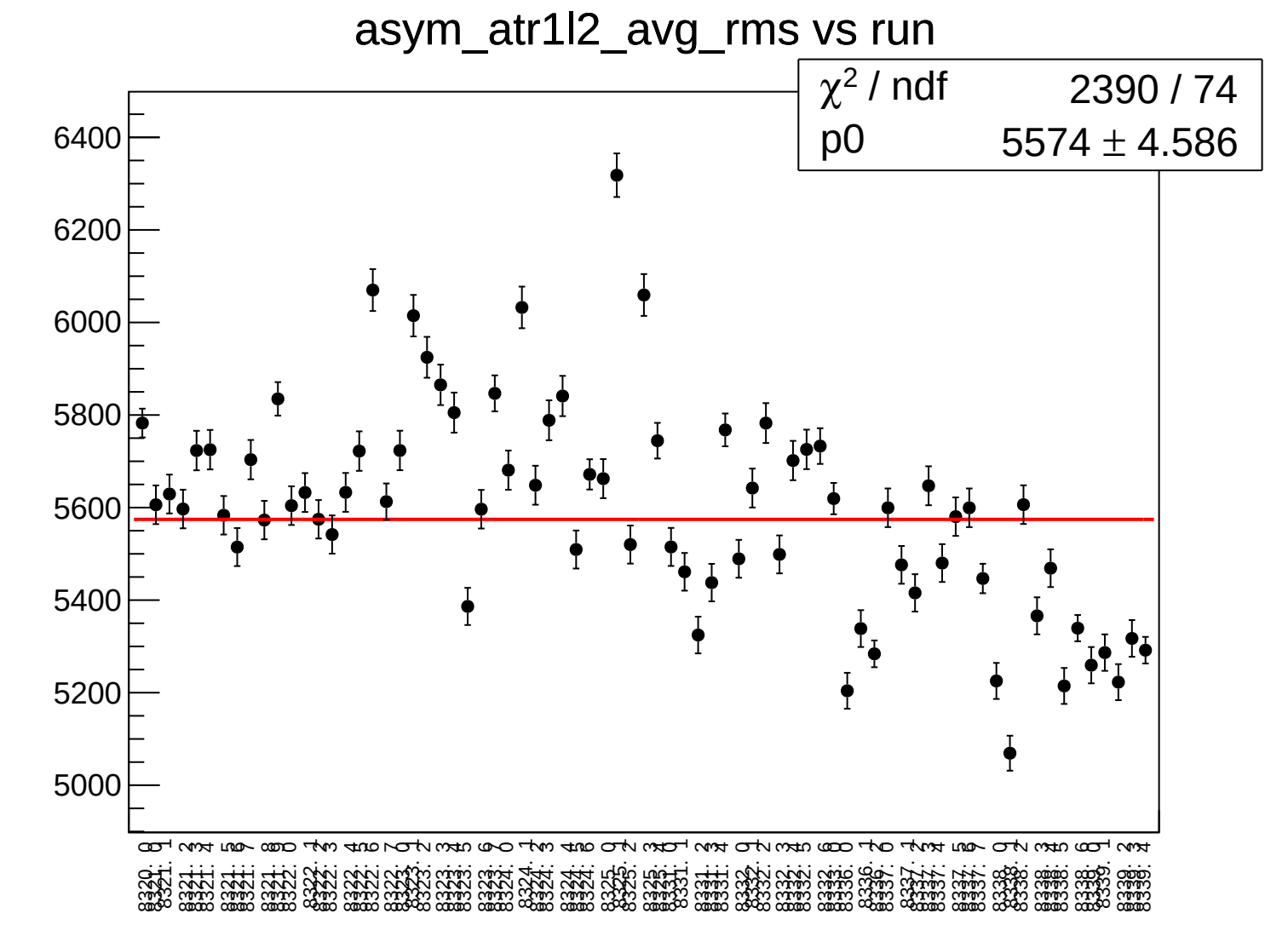

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −1.407e+04 ± 6151
pull
Entries 75
Mean 386.2
Std Dev 0

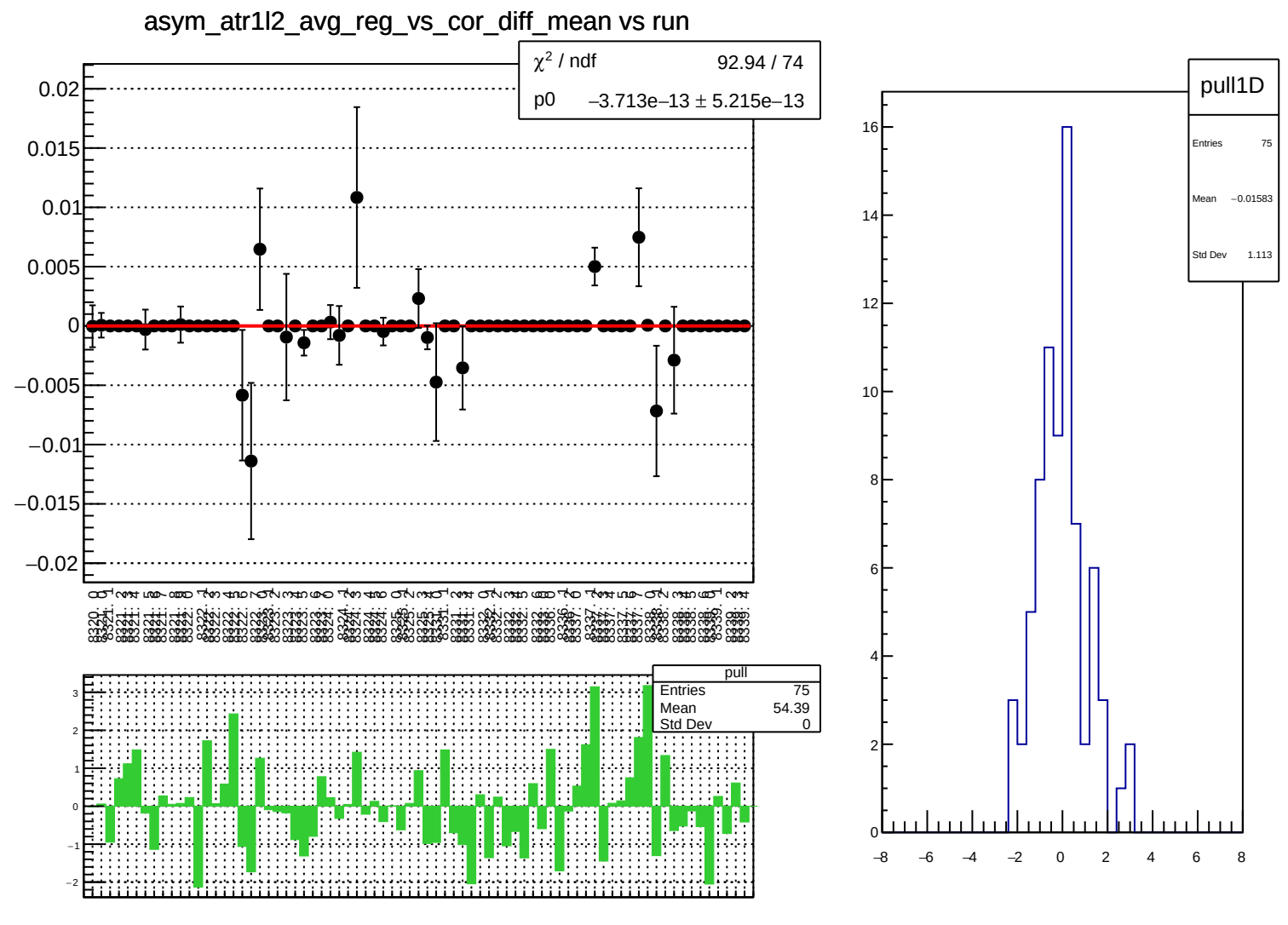

pull1D
Entries 75
Mean −0.002844
Std Dev 1.042

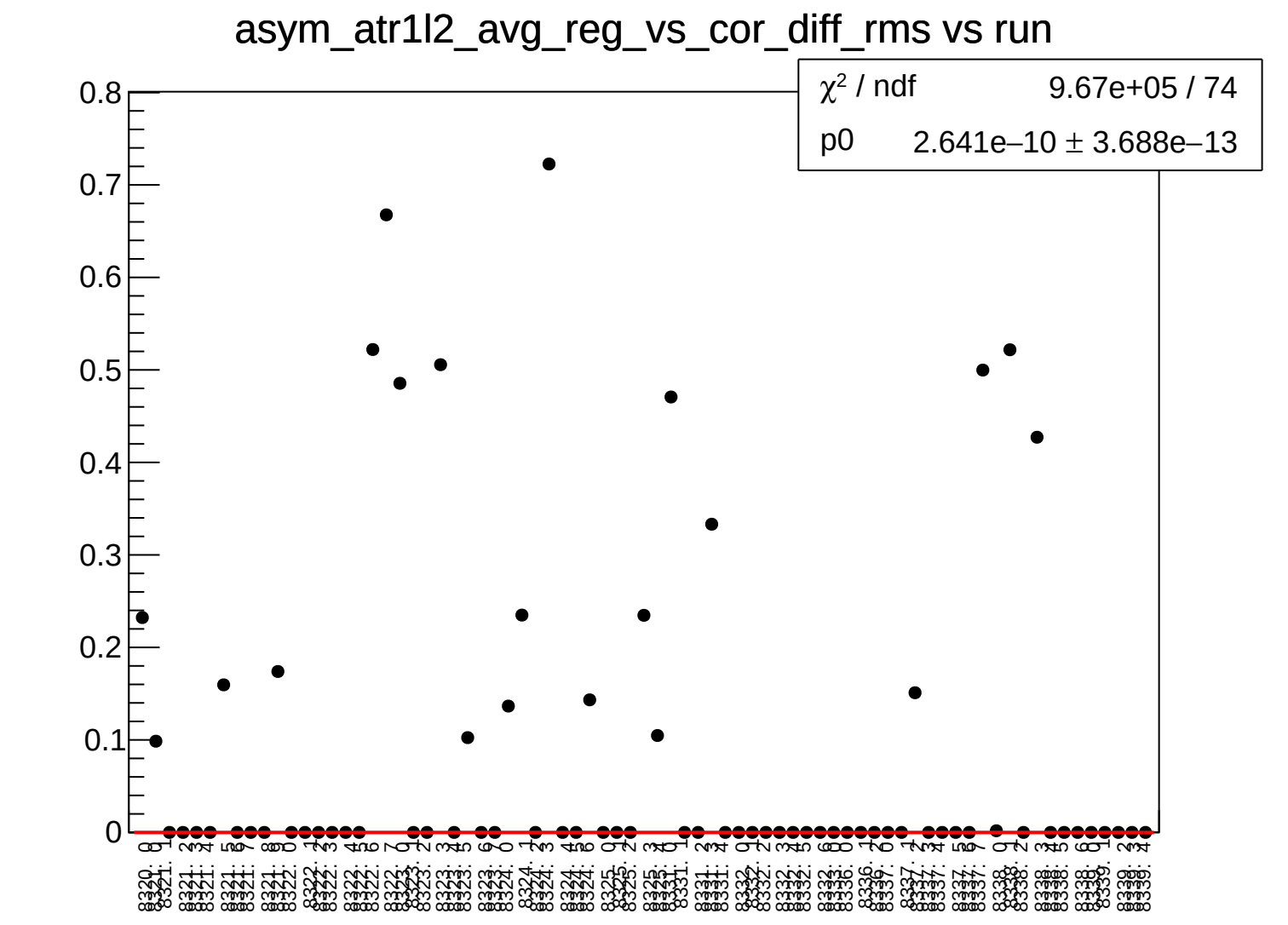

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4015 / 74
p0 5284 ± 4.349
6200
6000
5800
5600
5400
5200
5000
4800
4600

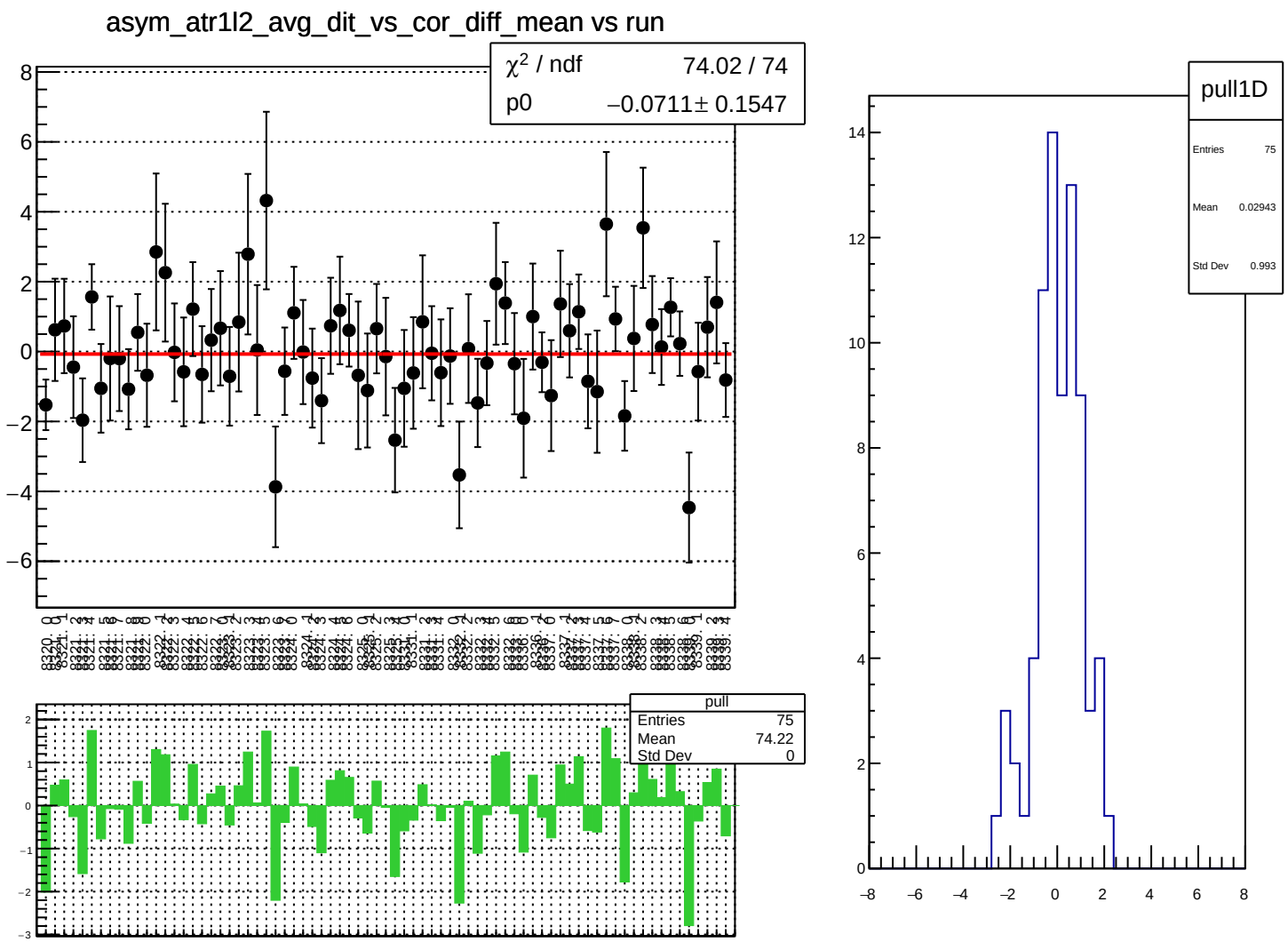

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 74.12 / 74
p0 1.304e+04 ± 6485
pull
Entries 75
Mean 5060
Std Dev 0

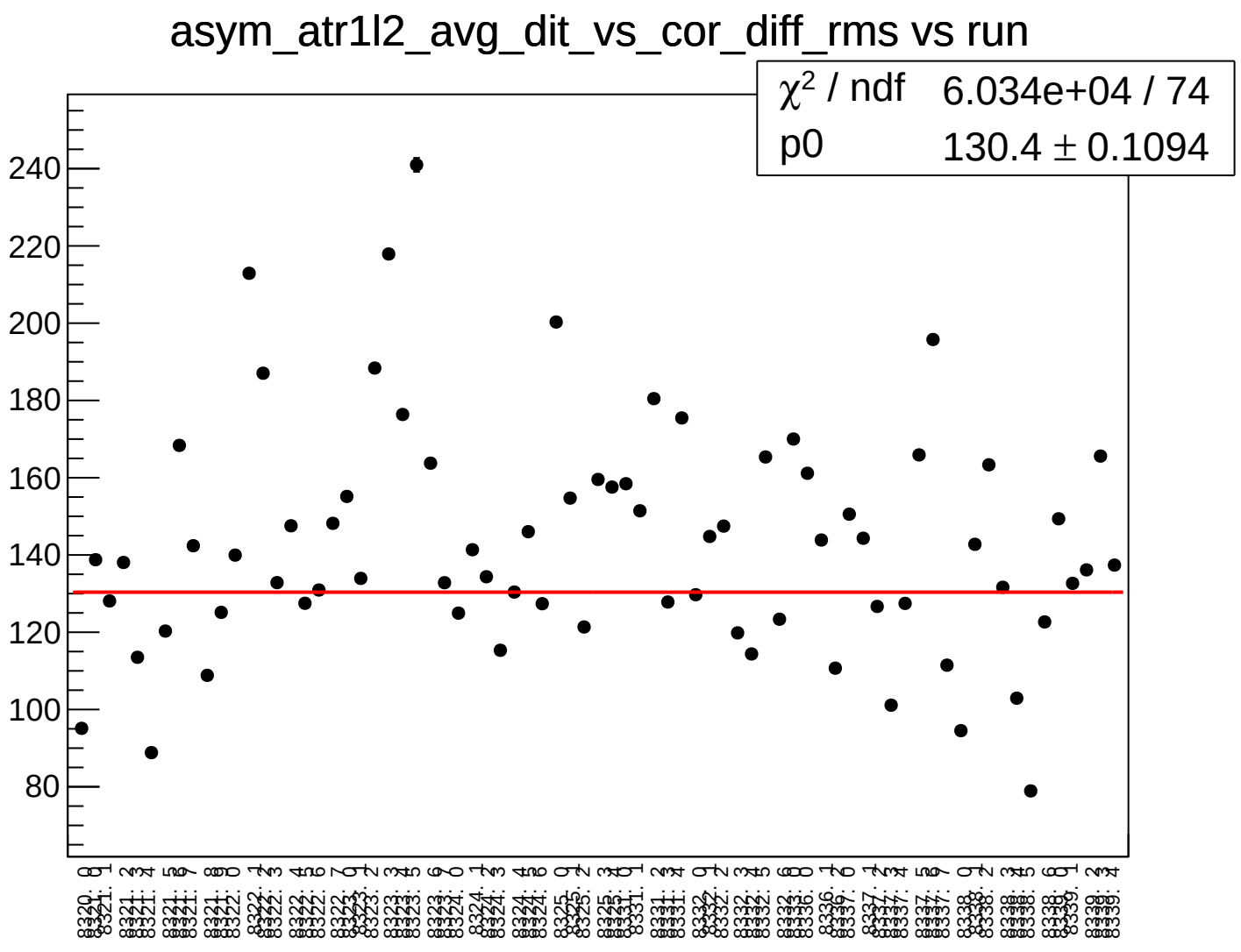

pull1D
Entries 75
Mean 0.0004569
Std Dev 0.9941

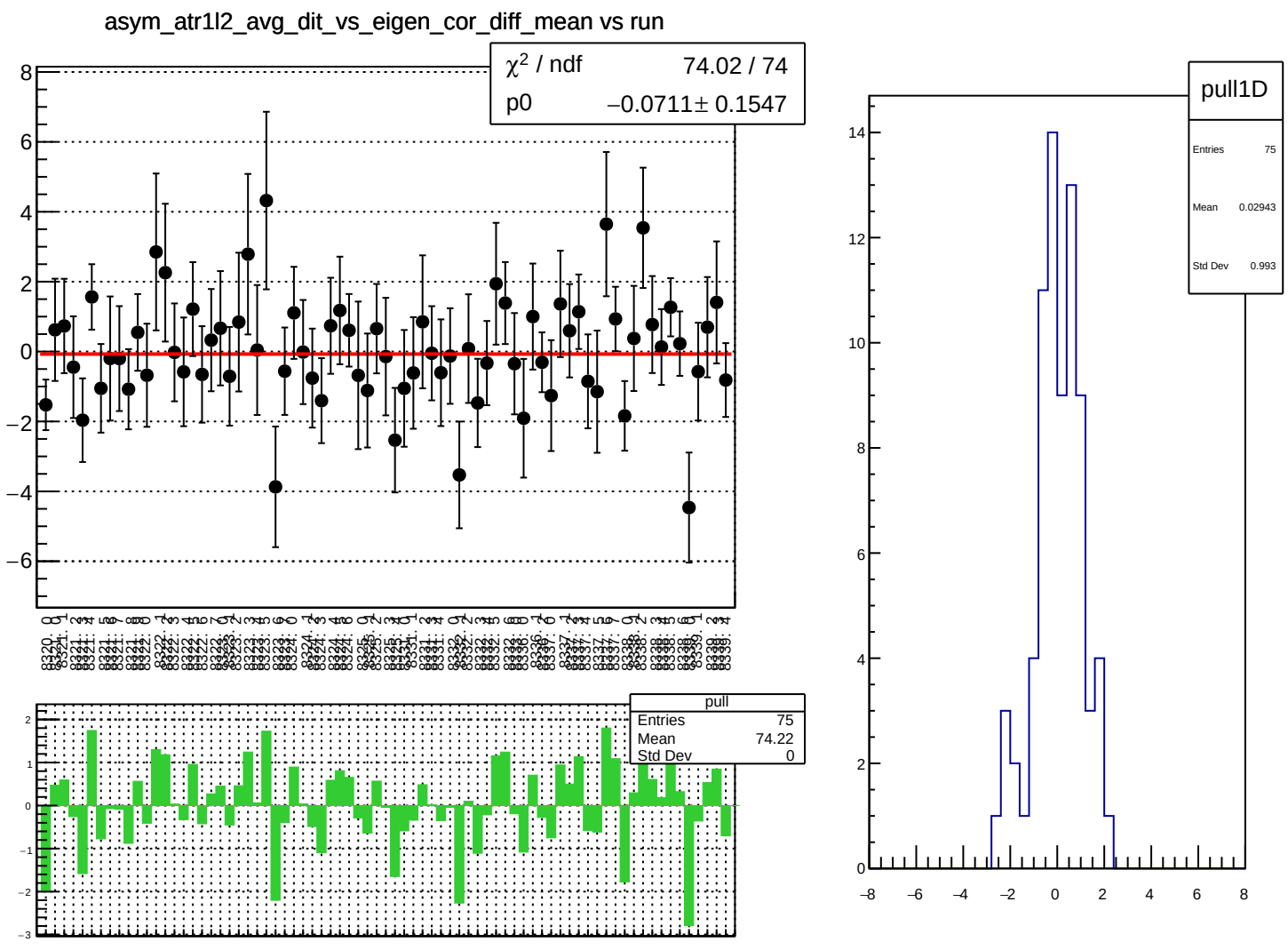

asym_atr1l2_avg_rms vs run
χ² / ndf 2390 / 74
p0 5574 ± 4.586
6400
6200
6000
5800
5600
5400
5200
5000

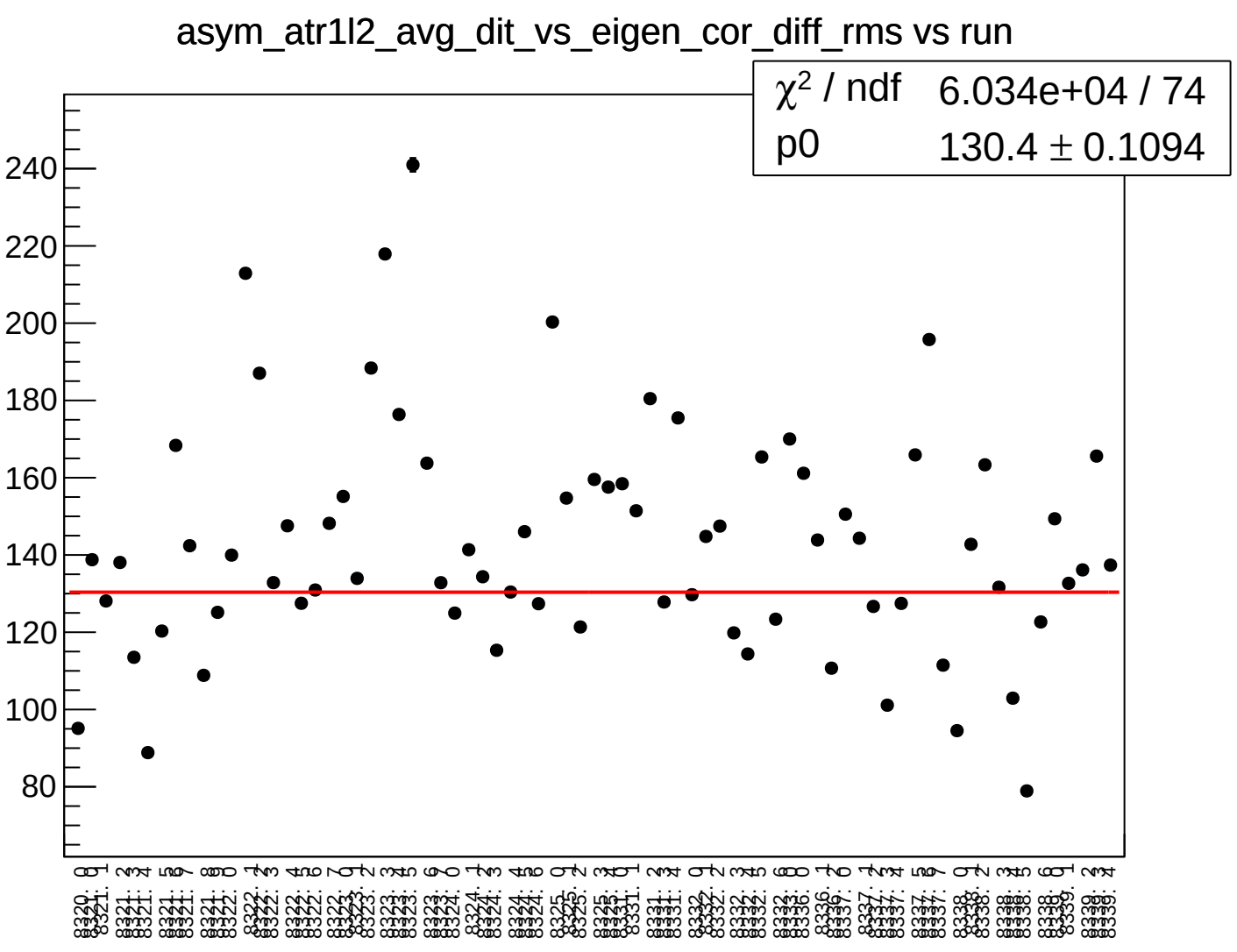

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.94 / 74
p0 −3.713e−13 ± 5.215e−13
pull
Entries 75
Mean 54.39
Std Dev 0
pull1D
Entries 75
Mean −0.01583
Std Dev 1.113

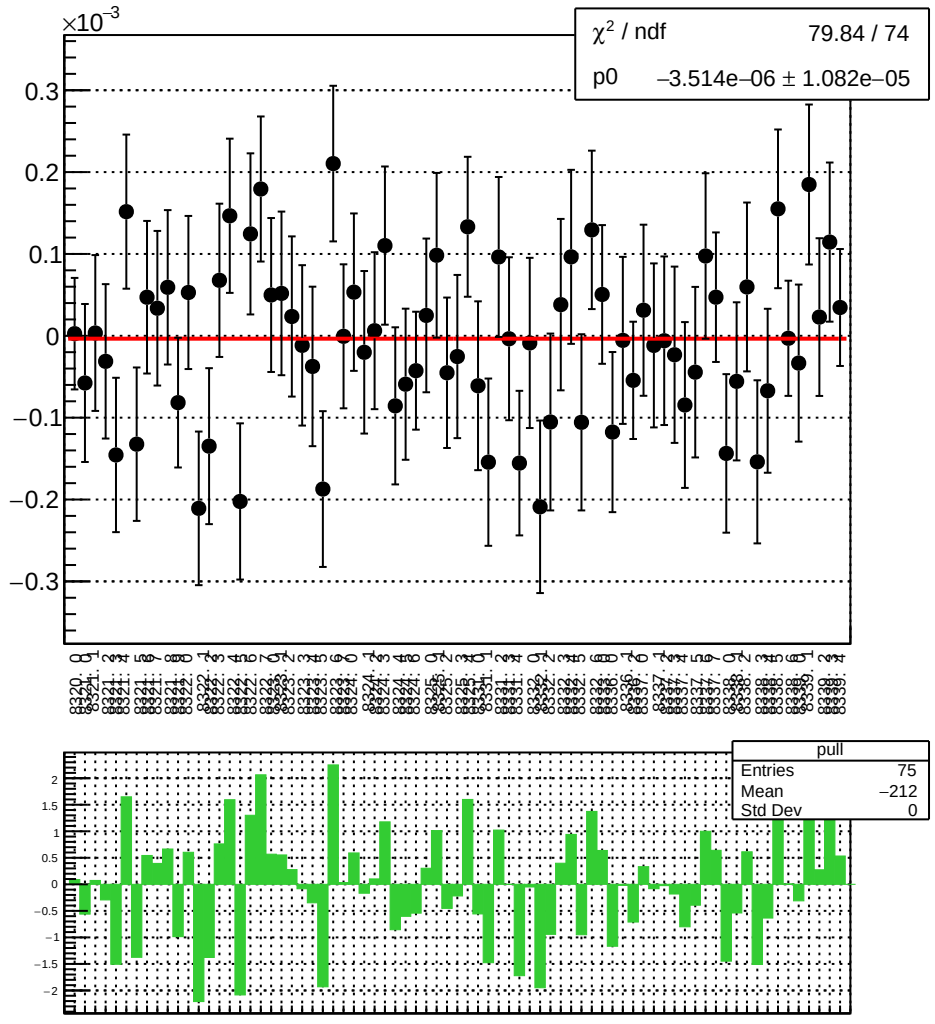

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.67e+05 / 74
p0 2.641e−10 ± 3.688e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

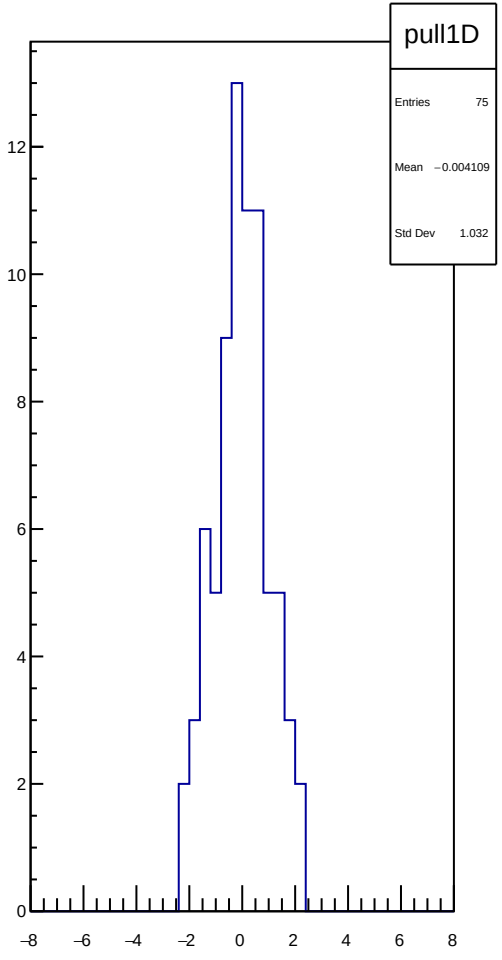

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 74.02 / 74
p0 −0.0711± 0.1547
pull
Entries 75
Mean 74.22
Std Dev 0
pull1D
Entries 75
Mean 0.02943
Std Dev 0.993

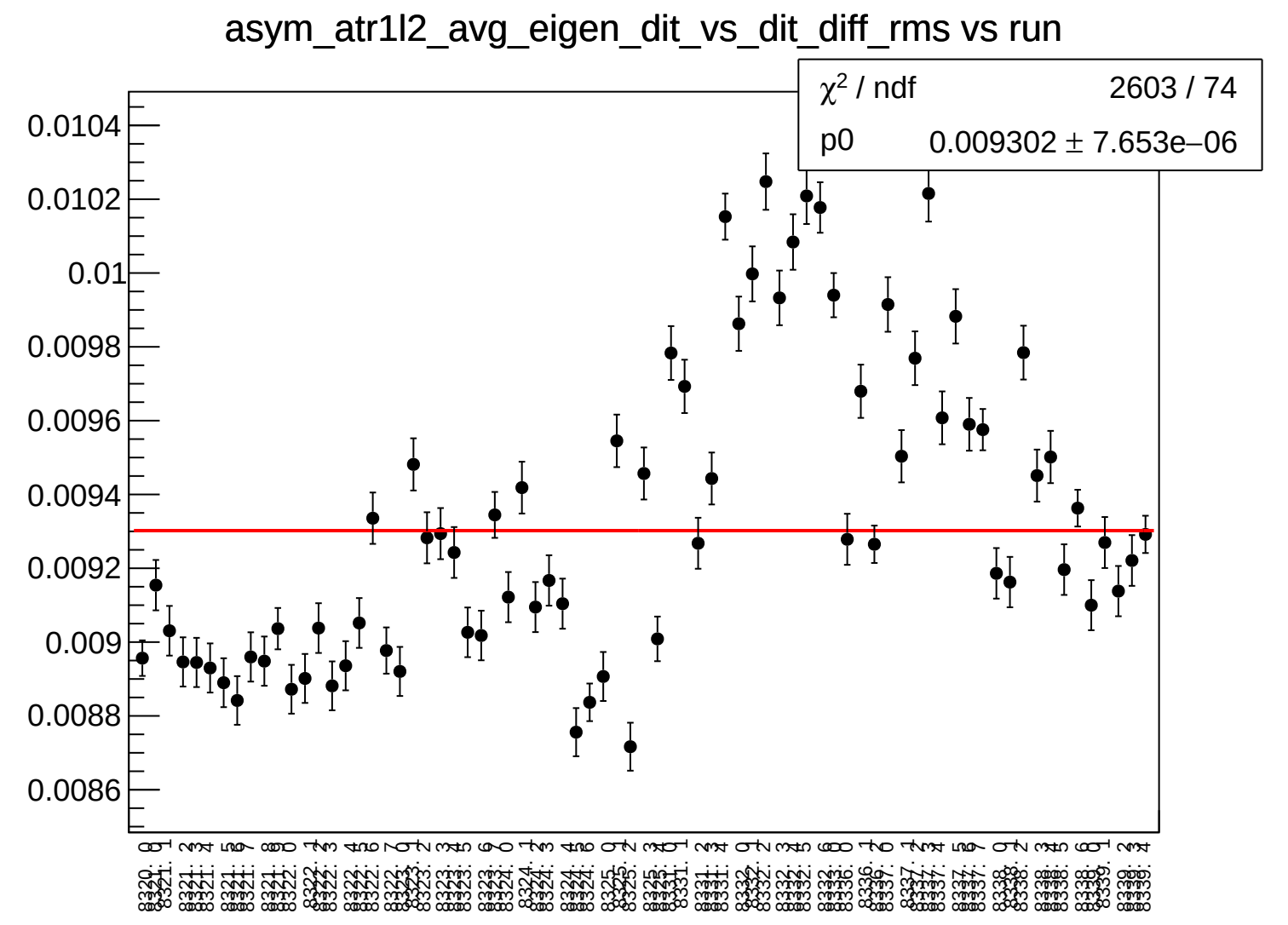

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.034e+04 / 74
p0 130.4 ± 0.1094
240
220
200
180
160
140
120
100
80

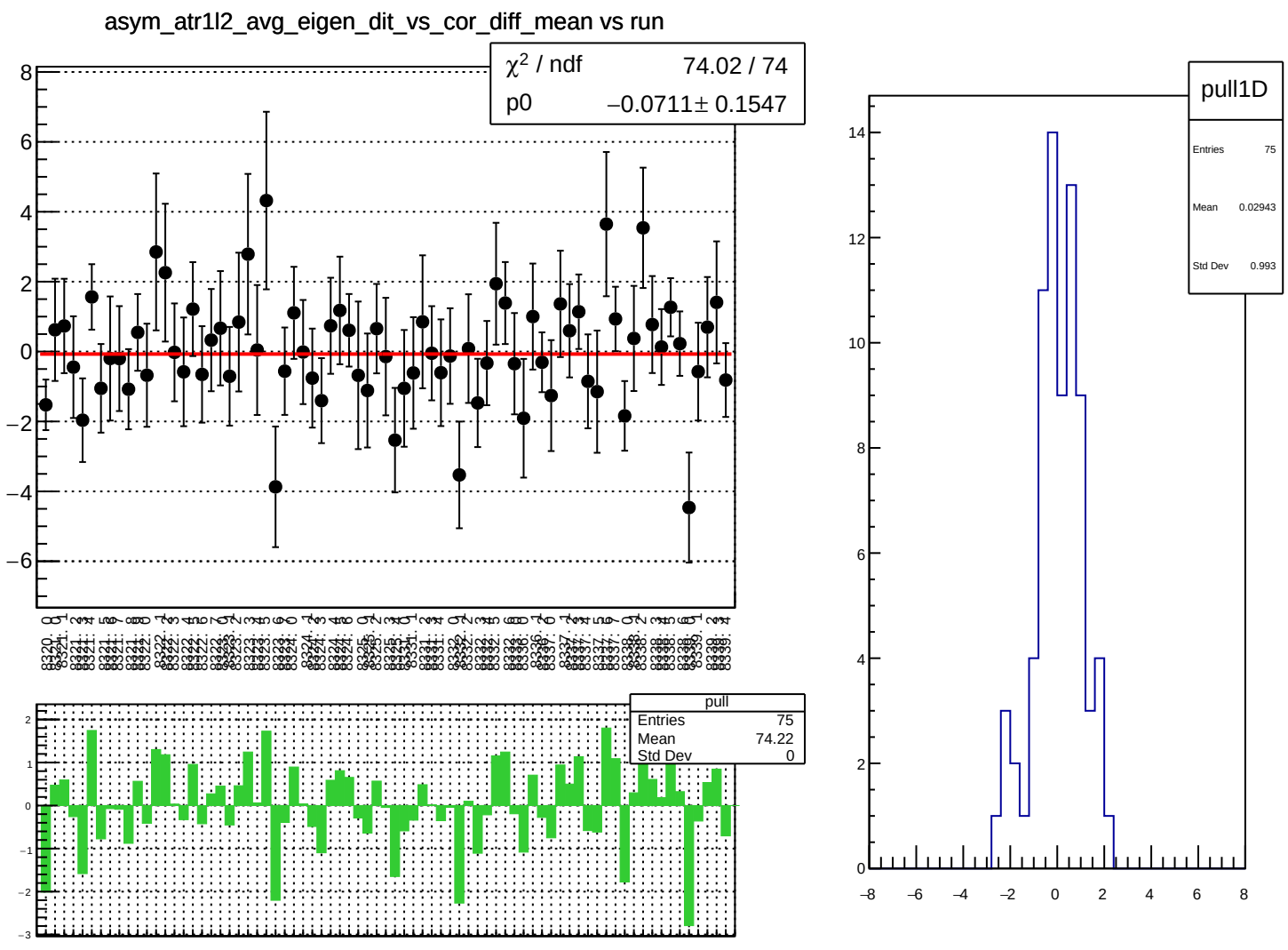

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.02 / 74
p0 −0.0711± 0.1547
pull
Entries 75
Mean 74.22
Std Dev 0
pull1D
Entries 75
Mean 0.02943
Std Dev 0.993

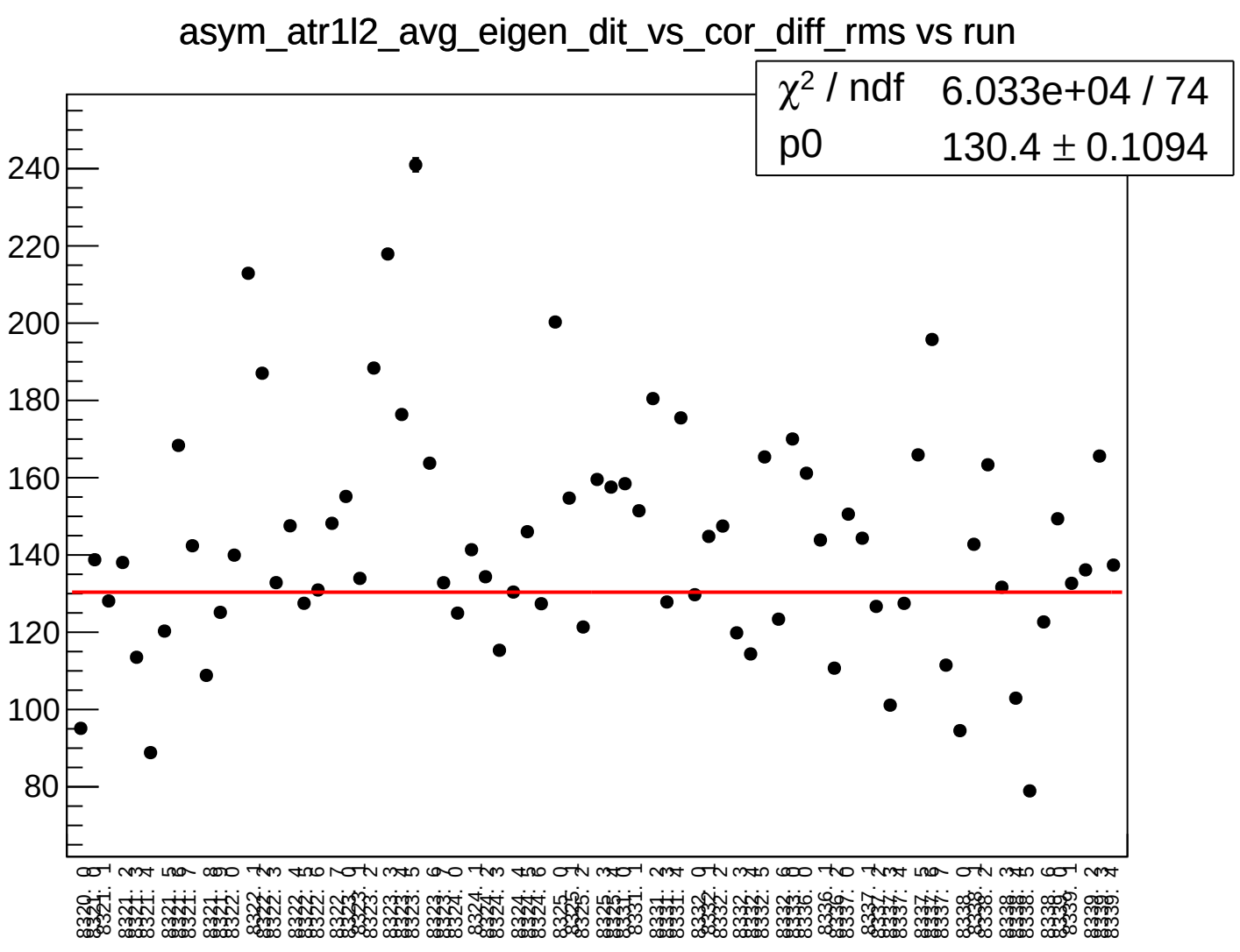

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.034e+04 / 74
p0 130.4 ± 0.1094
240
220
200
180
160
140
120
100
80

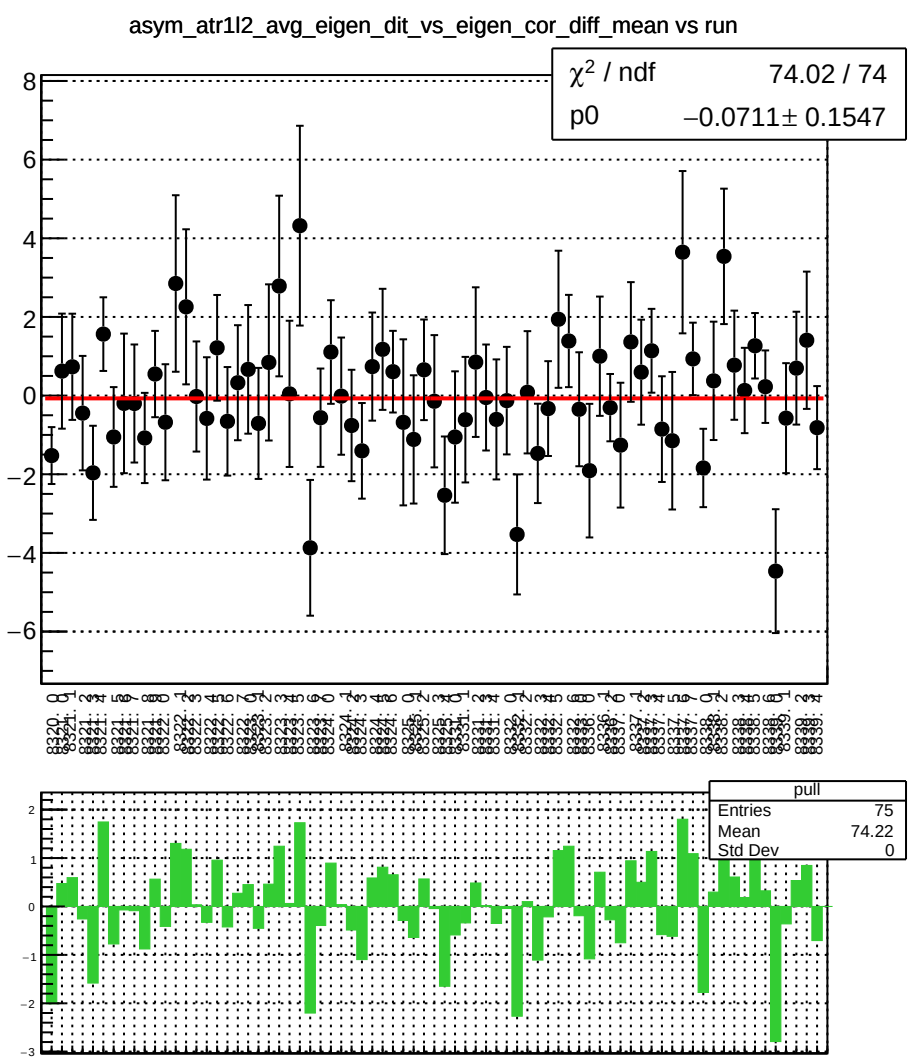

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.84 / 74
p0 −3.514e−06 ± 1.082e−05
pull
Entries 75
Mean −212
Std Dev 0

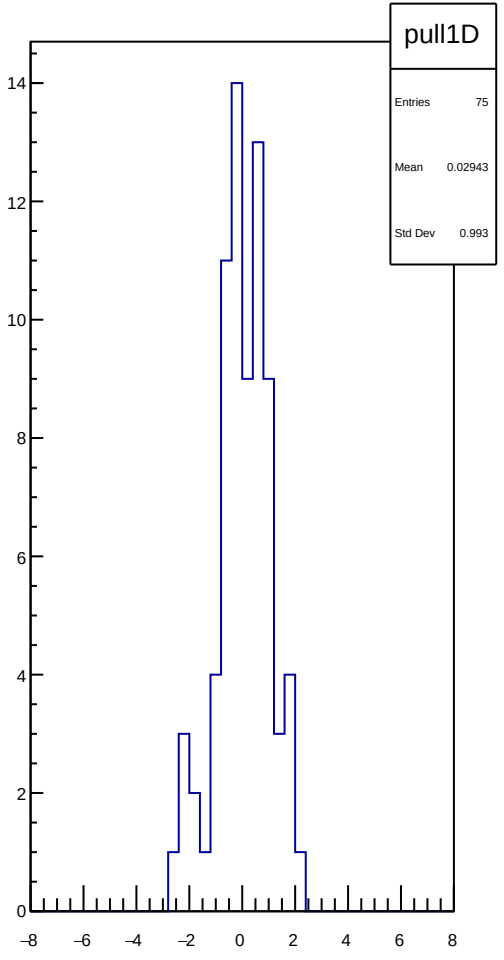

pull1D
Entries 75
Mean −0.004109
Std Dev 1.032

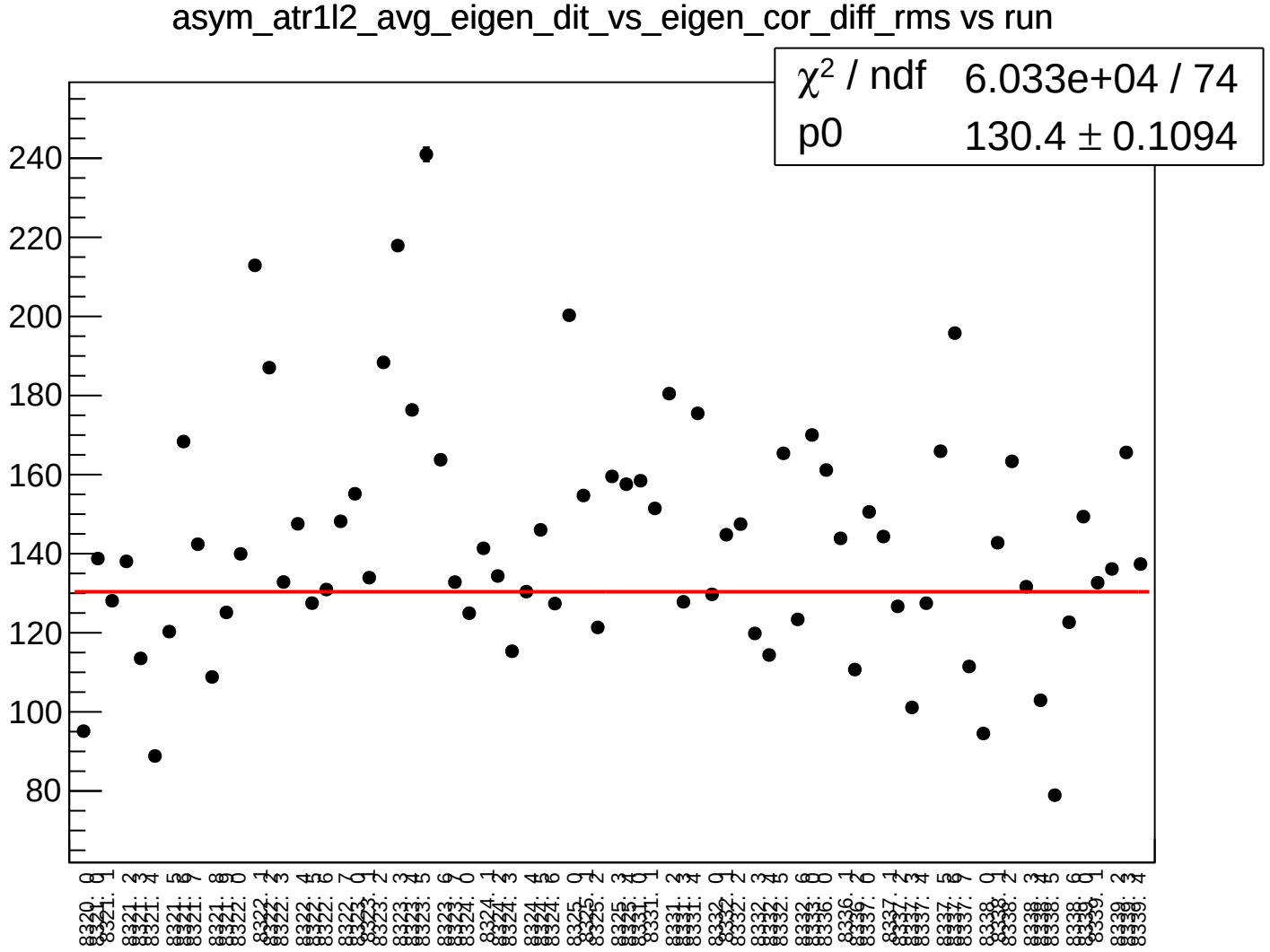

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2603 / 74
p0 0.009302 ± 7.653e−06
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086

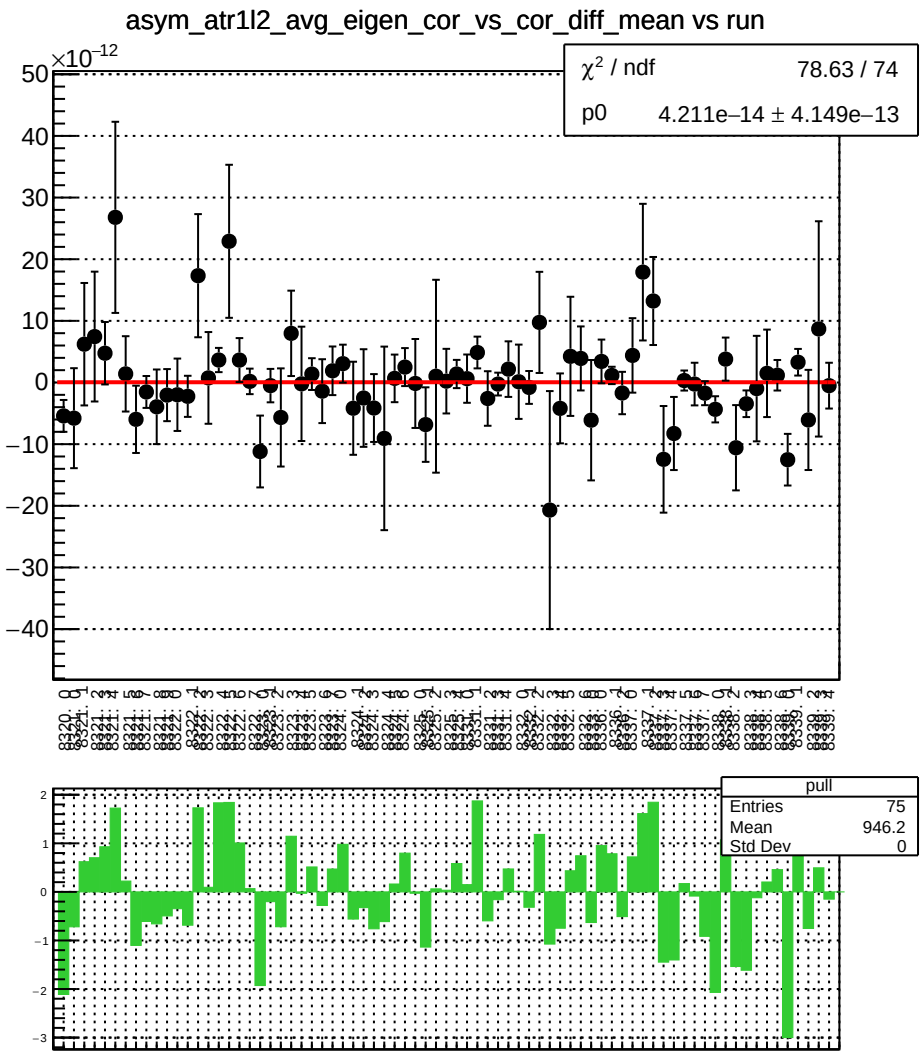

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.02 / 74
p0 −0.0711± 0.1547
pull
Entries 75
Mean 74.22
Std Dev 0
pull1D
Entries 75
Mean 0.02943
Std Dev 0.993

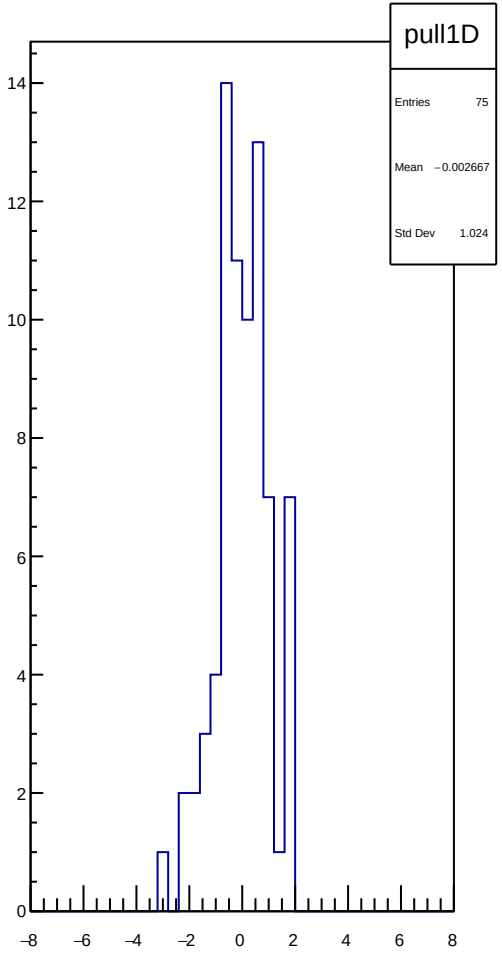

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.033e+04 / 74
p0 130.4 ± 0.1094
240
220
200
180
160
140
120
100
80

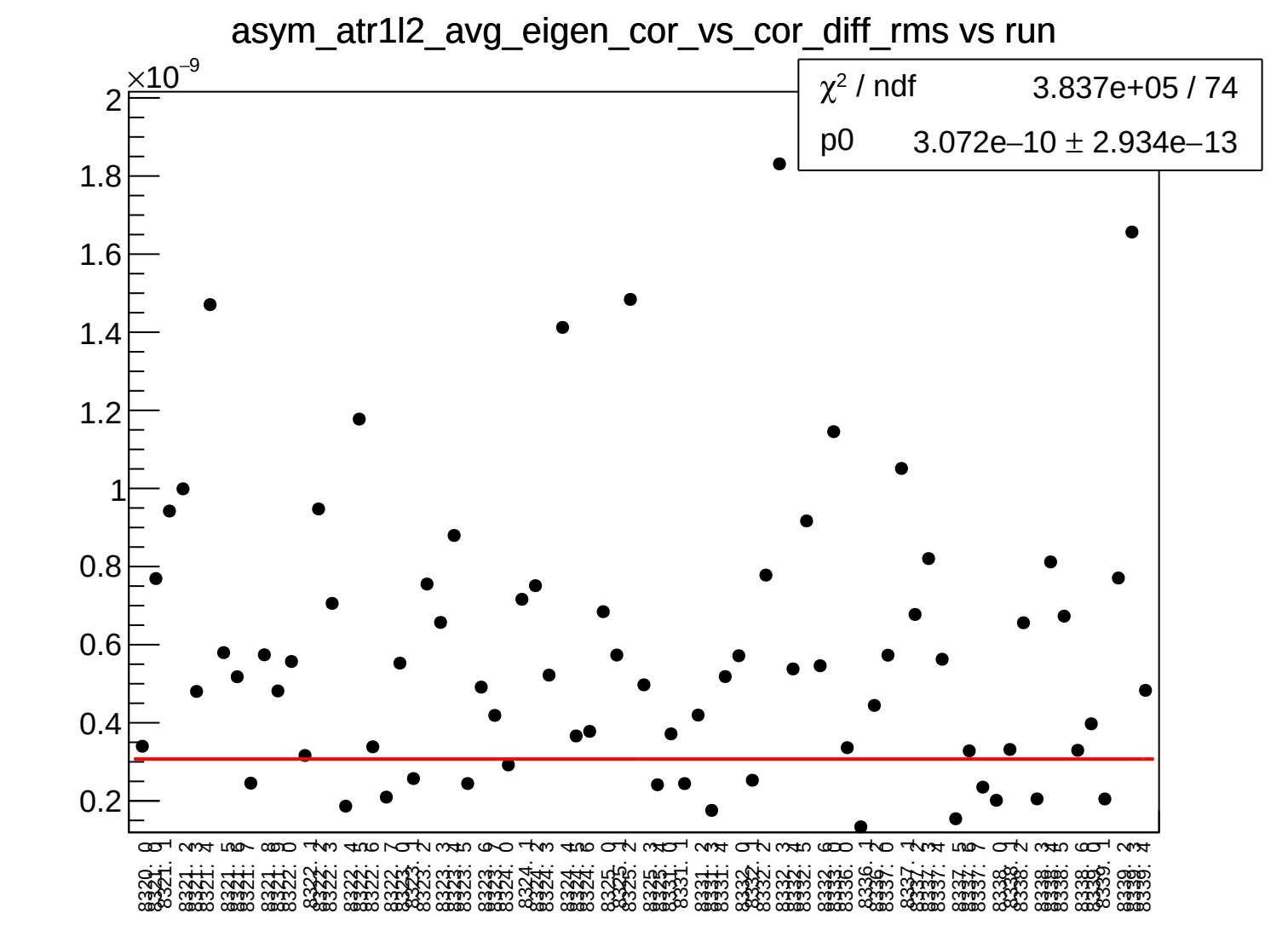

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.02 / 74
p0 −0.0711± 0.1547
pull
Entries 75
Mean 74.22
Std Dev 0

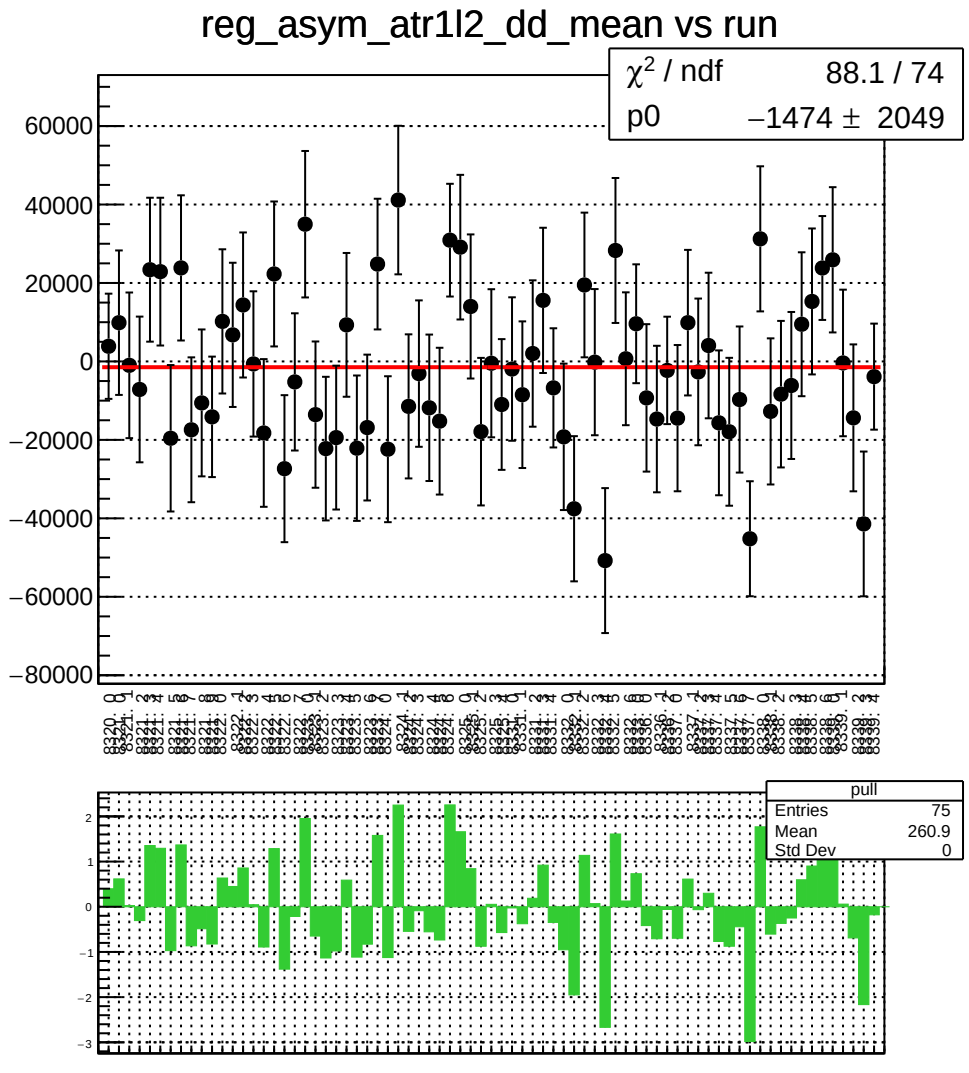

pull1D
Entries 75
Mean 0.02943
Std Dev 0.993

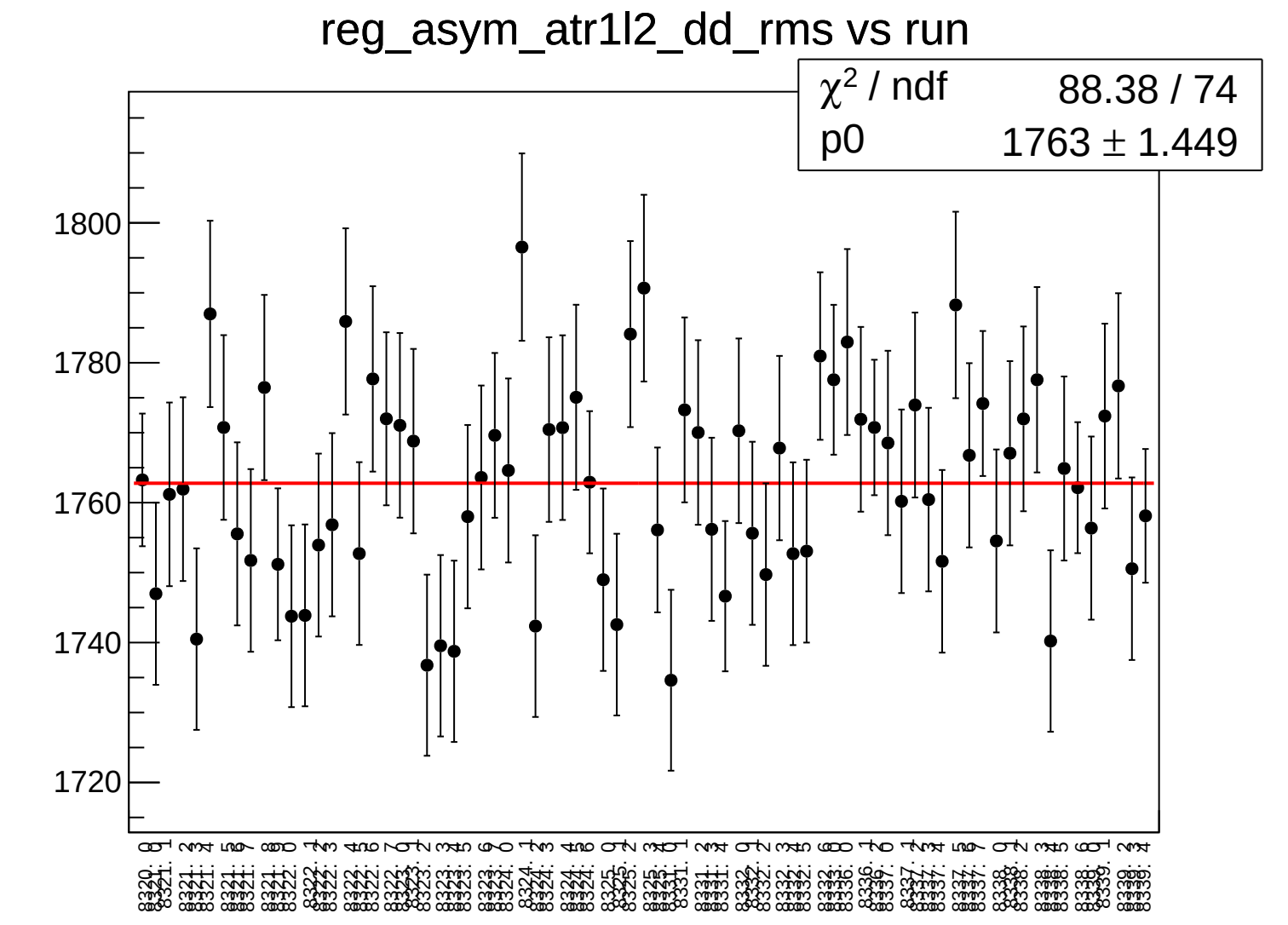

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.033e+04 / 74
p0 130.4 ± 0.1094
240
220
200
180
160
140
120
100
80

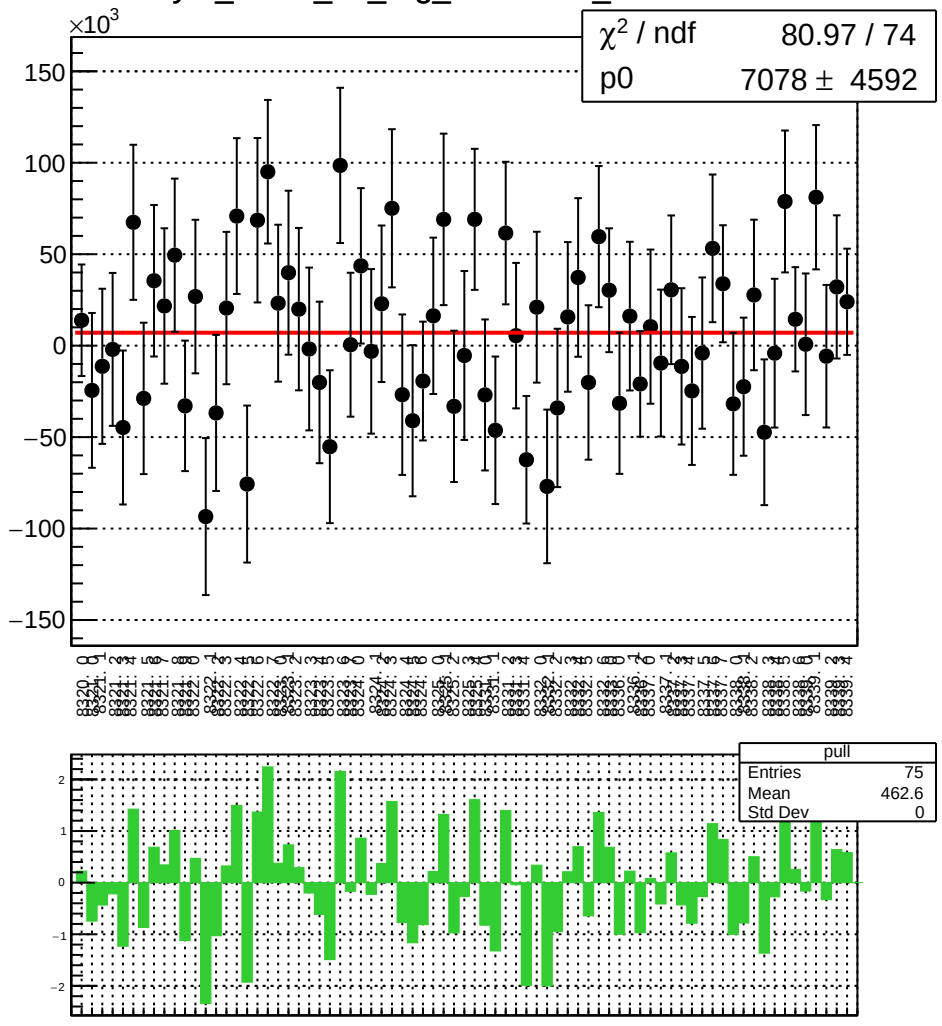

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.63 / 74
p0 4.211e−14 ± 4.149e−13
pull
Entries 75
Mean 946.2
Std Dev 0

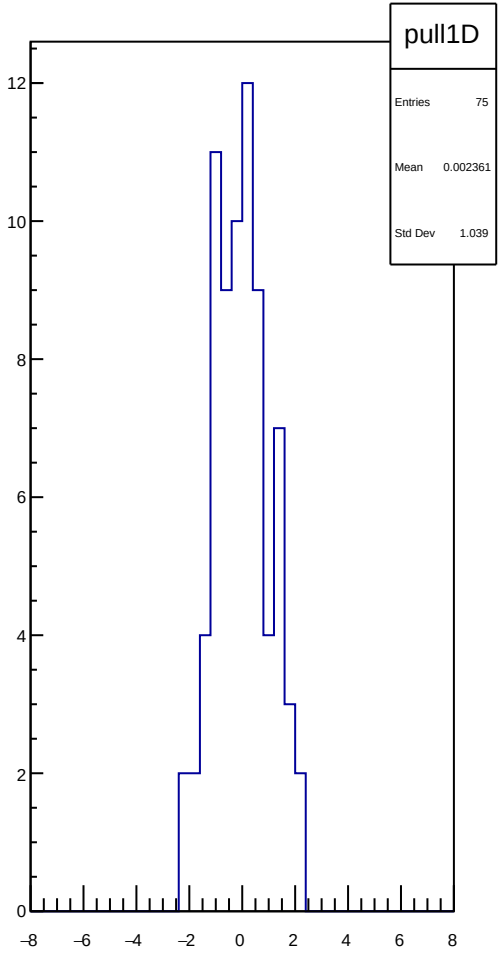

pull1D
Entries 75
Mean −0.002667
Std Dev 1.024

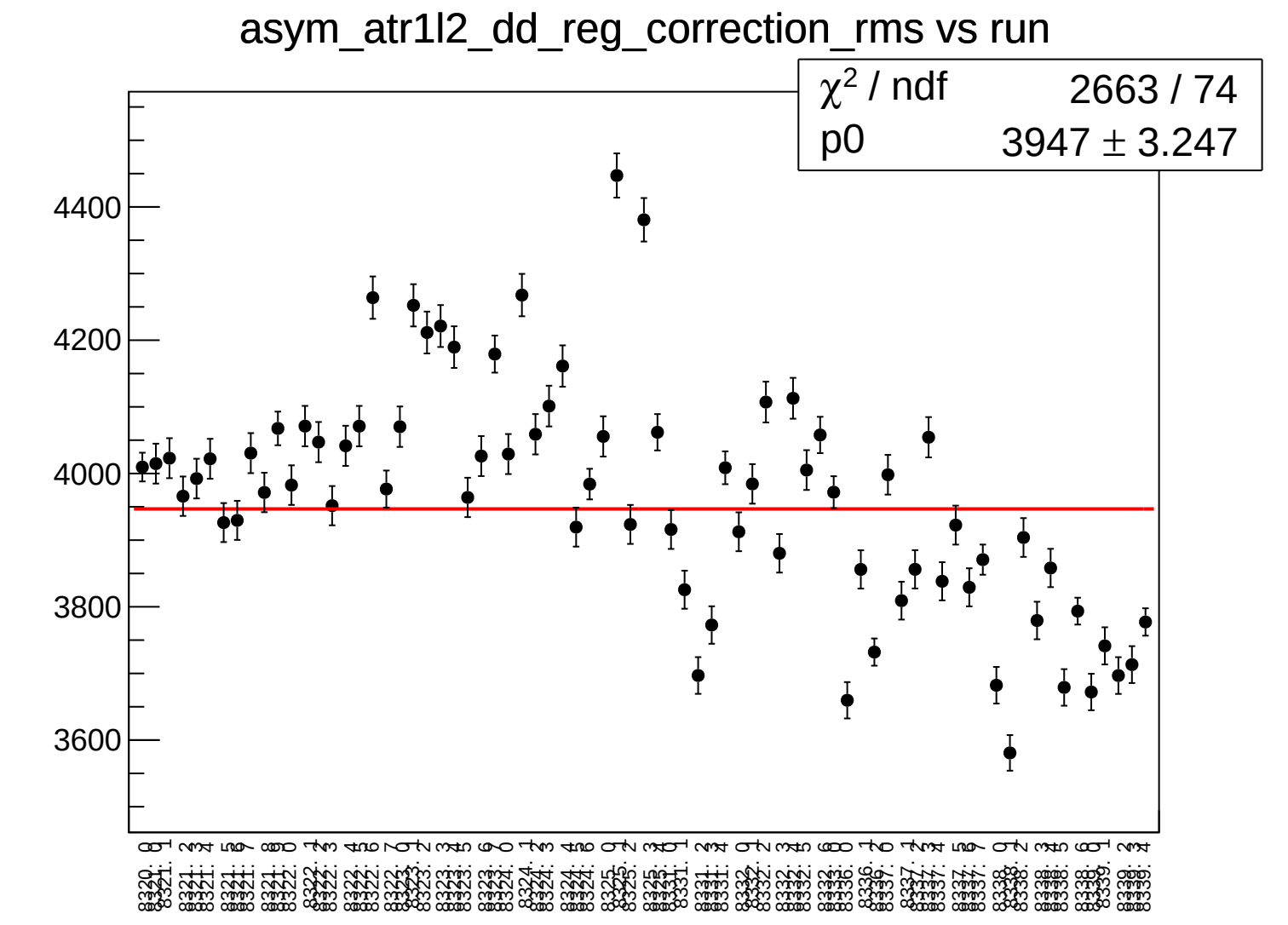

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.837e+05 / 74
p0 3.072e−10 ± 2.934e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

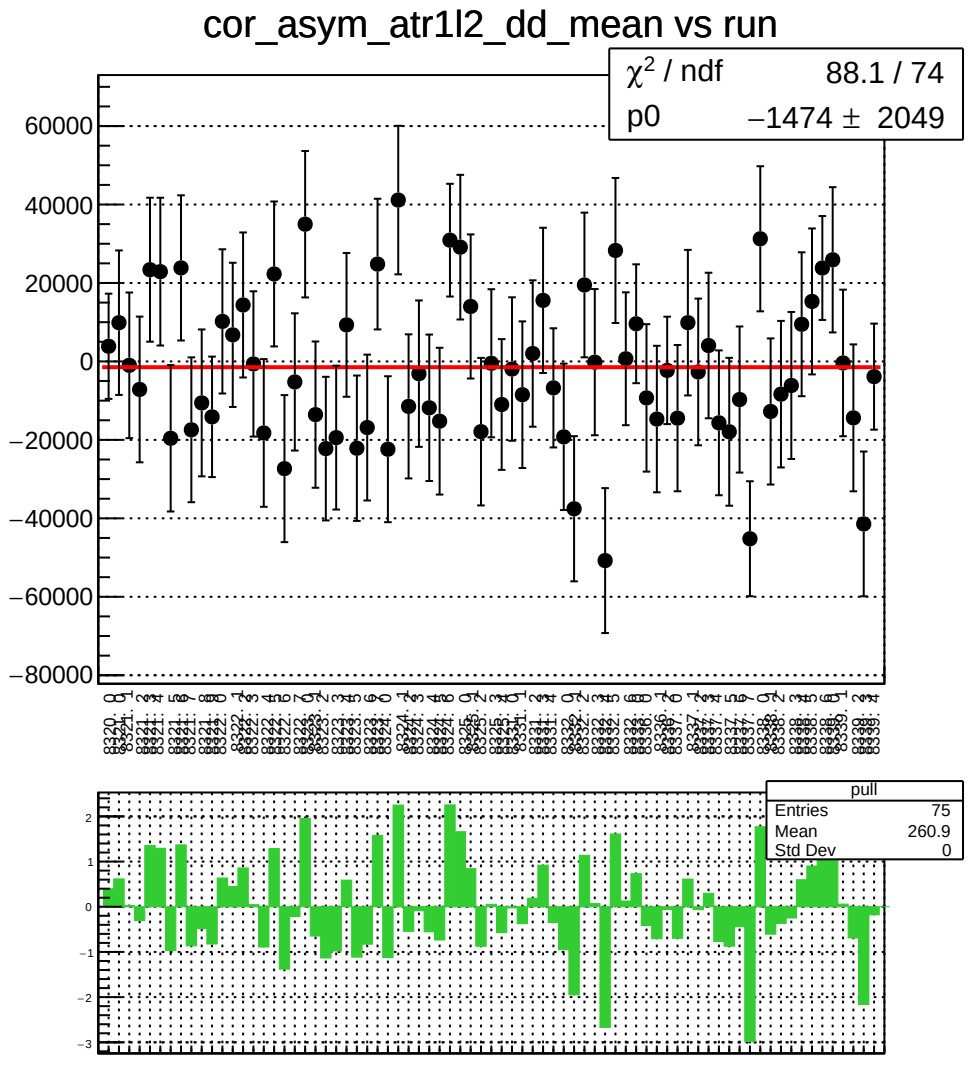

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 88.1 / 74
p0 −1474 ± 2049
pull
Entries 75
Mean 260.9
Std Dev 0
pull1D
Entries 75
Mean −0.01053
Std Dev 1.084

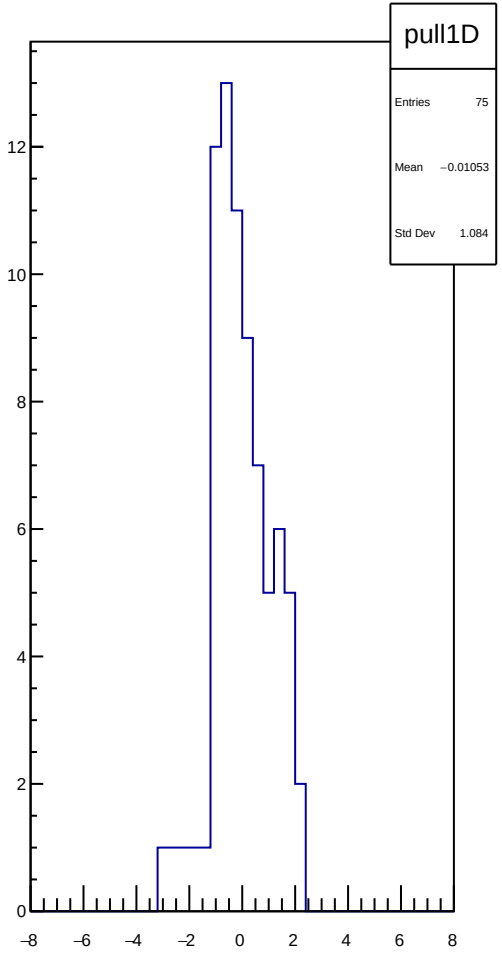

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 88.38 / 74
p0 1763 ± 1.449
1800
1780
1760
1740
1720

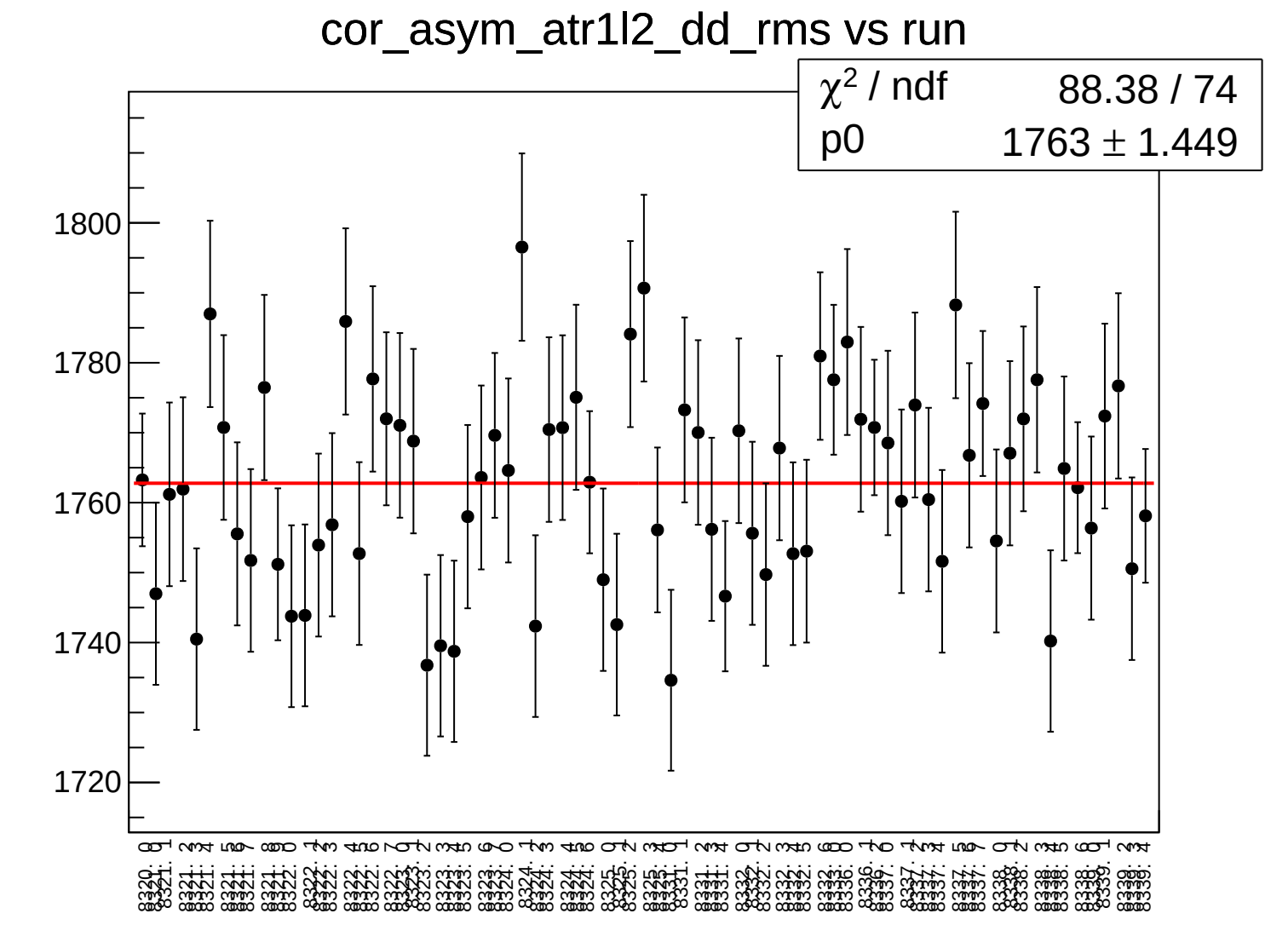

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 80.97 / 74
p0 7078 ± 4592
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 462.6
Std Dev 0
2
1
0
−1
−2

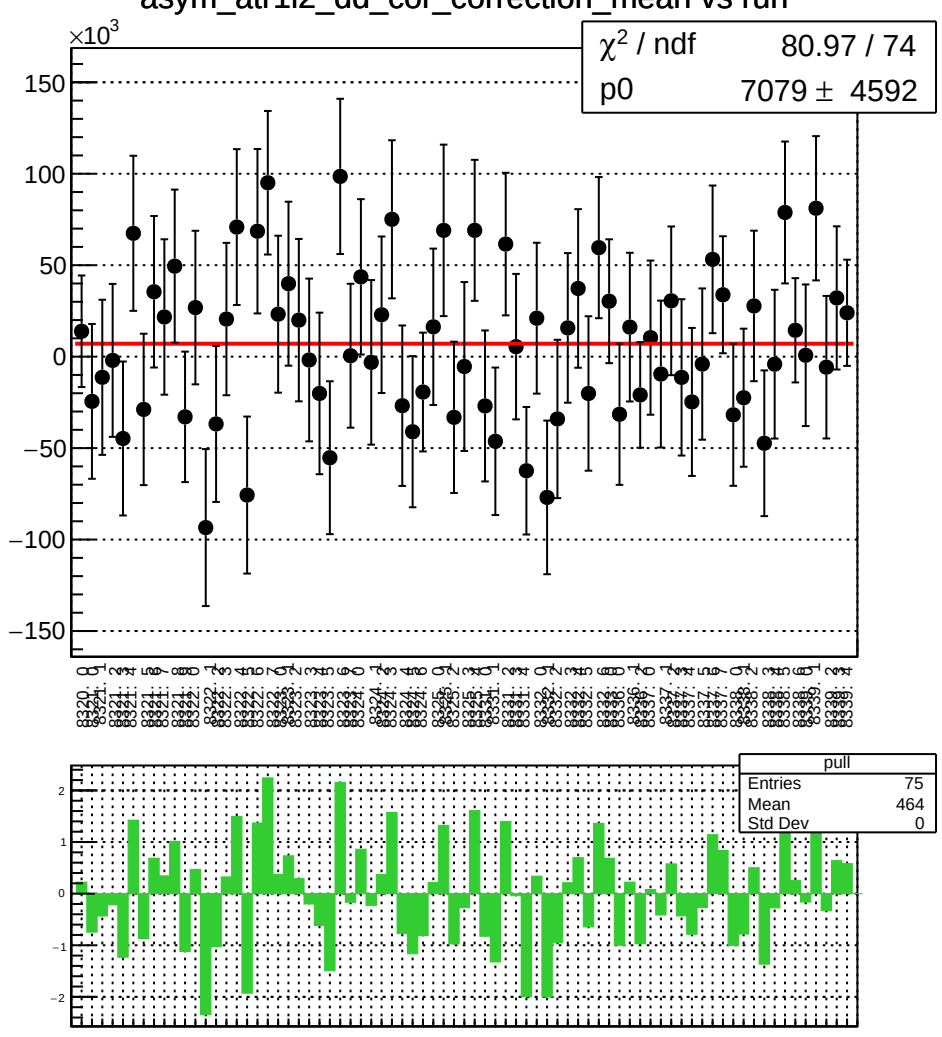

pull1D
Entries 75
Mean 0.002361
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

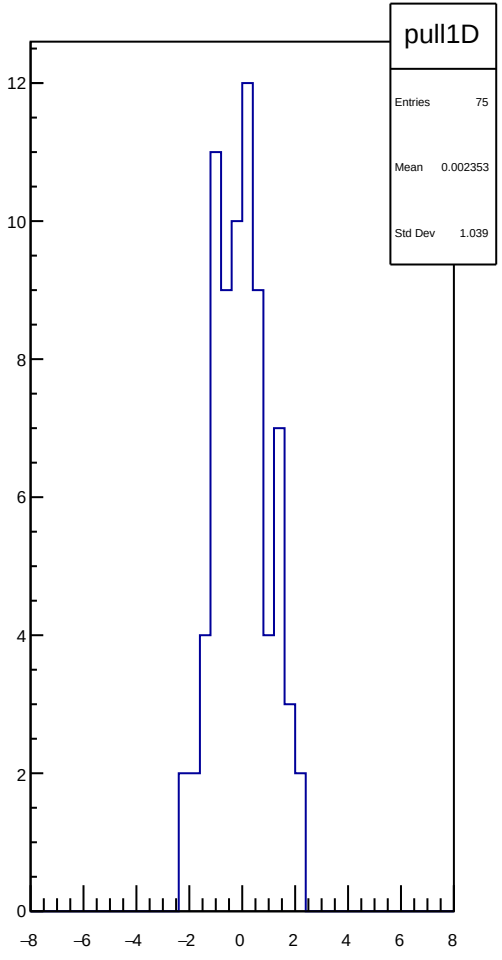

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 2663 / 74
p0 3947 ± 3.247
4400
4200
4000
3800
3600

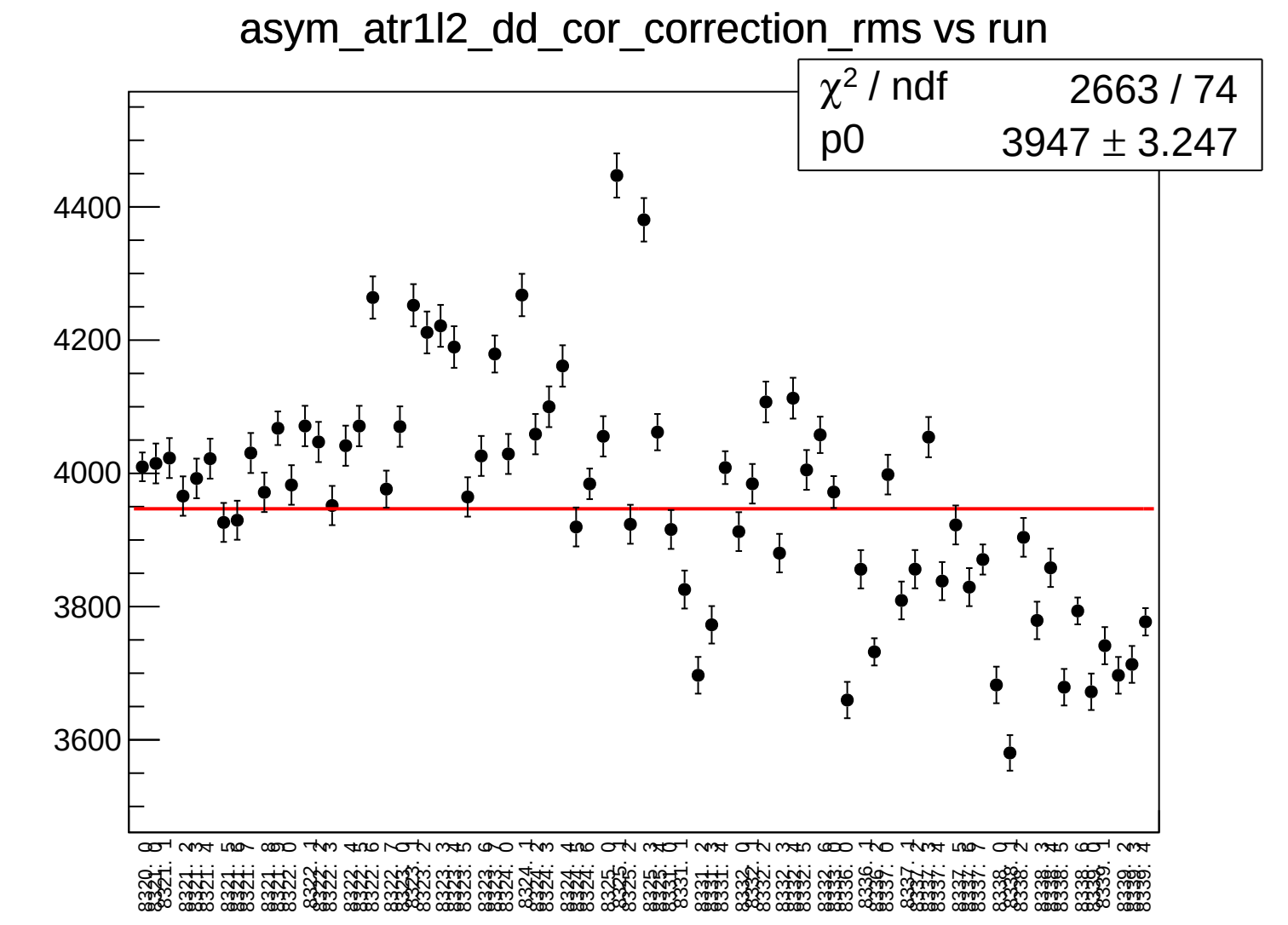

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 88.1 / 74
p0 −1474 ± 2049
pull
Entries 75
Mean 260.9
Std Dev 0

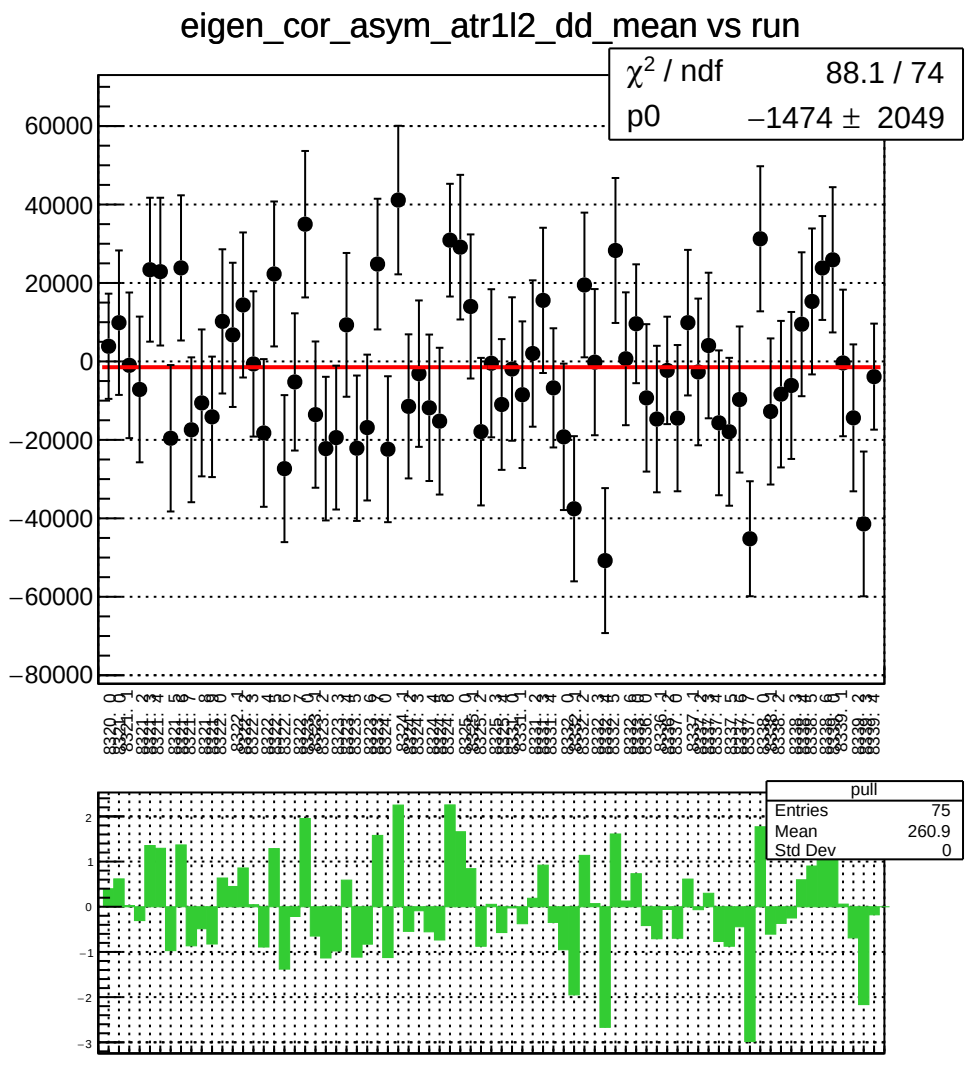

pull1D
Entries 75
Mean −0.01053
Std Dev 1.084

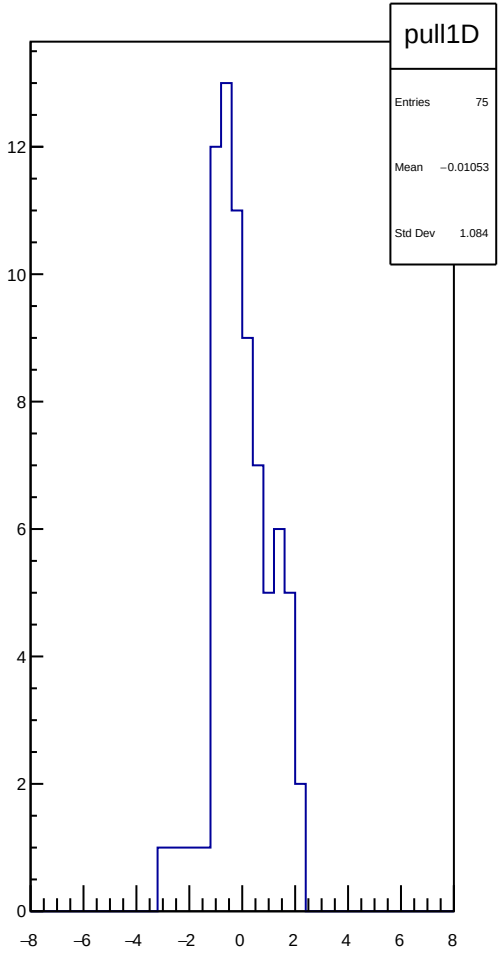

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 88.38 / 74
p0 1763 ± 1.449
1800
1780
1760
1740
1720

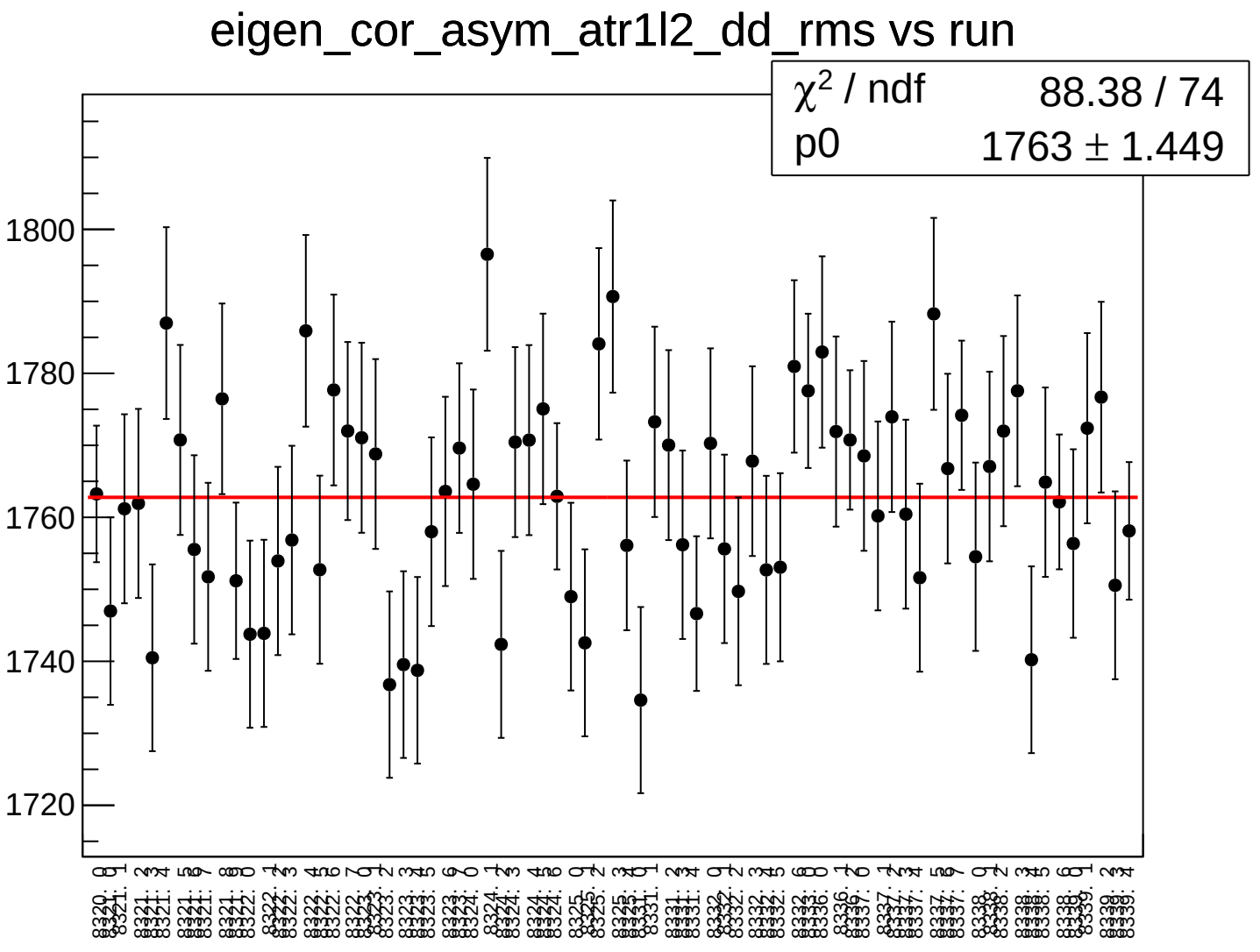

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 80.97 / 74
p0 7079 ± 4592
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 464
Std Dev 0
2
1
0
−1
−2

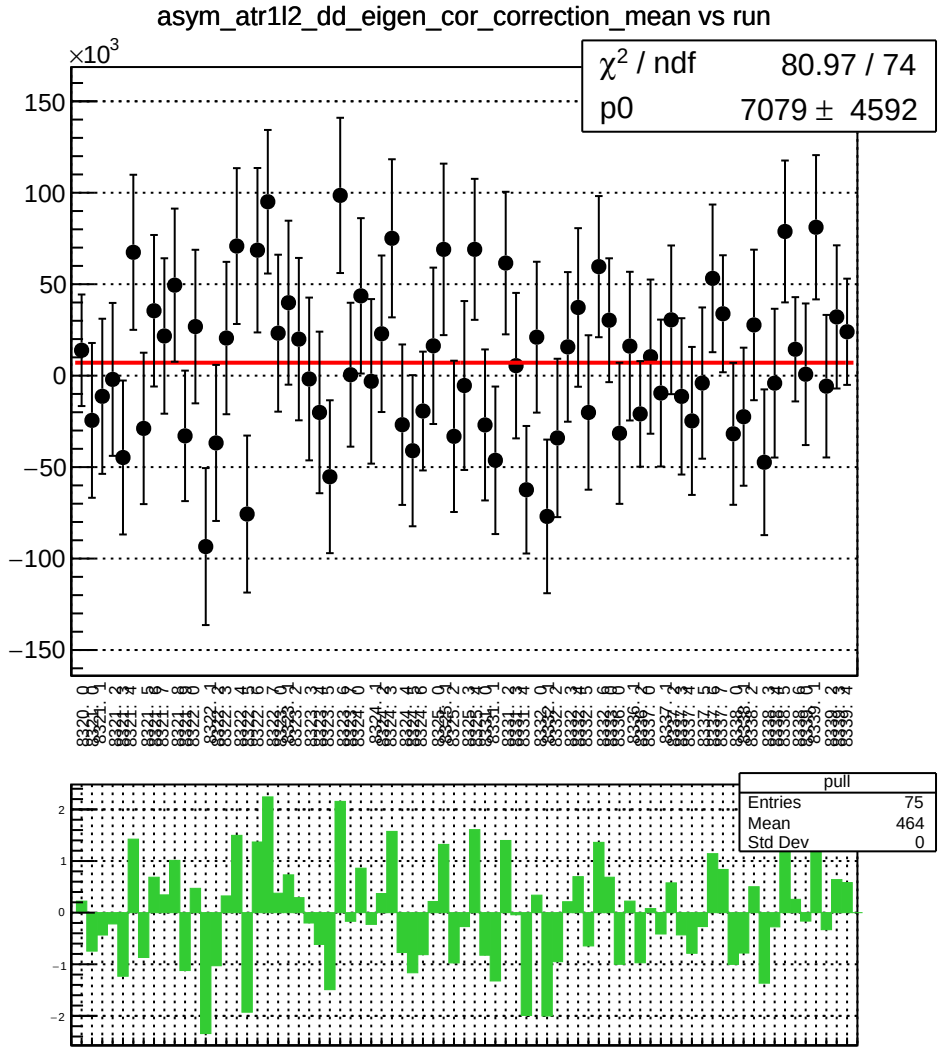

pull1D
Entries 75
Mean 0.002353
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

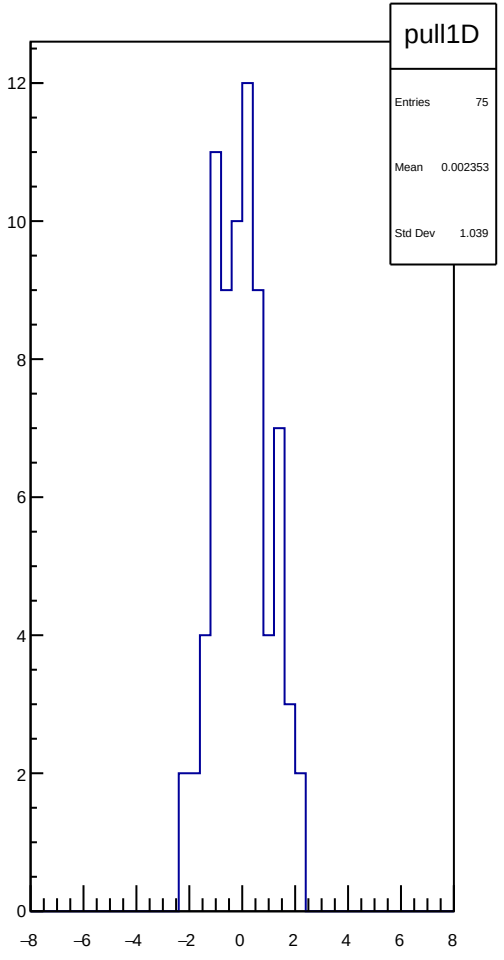

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 2663 / 74
p0 3947 ± 3.247
4400
4200
4000
3800
3600

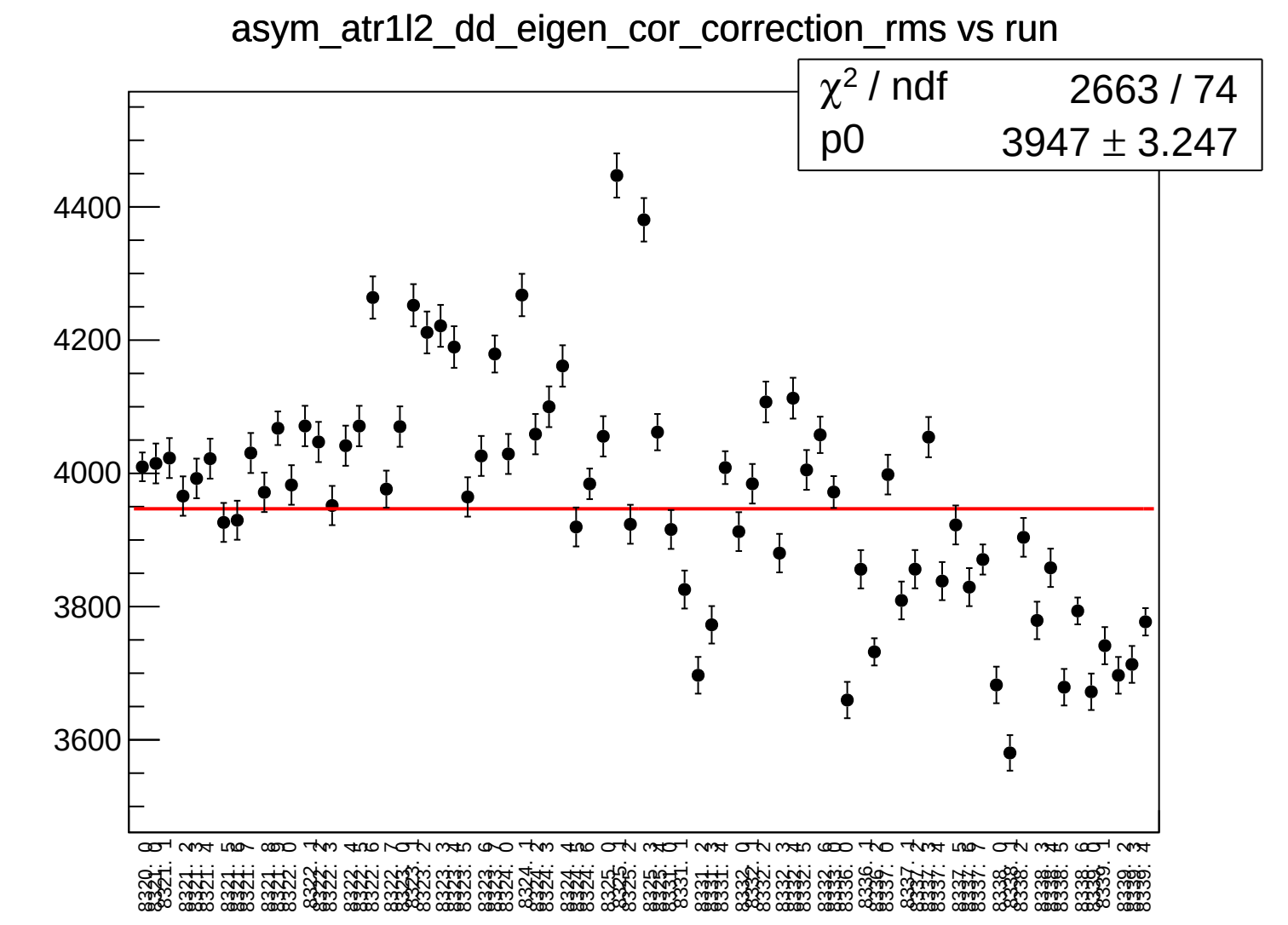

eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 88.1 / 74
p0 −1474 ± 2049
pull
Entries 75
Mean 260.9
Std Dev 0

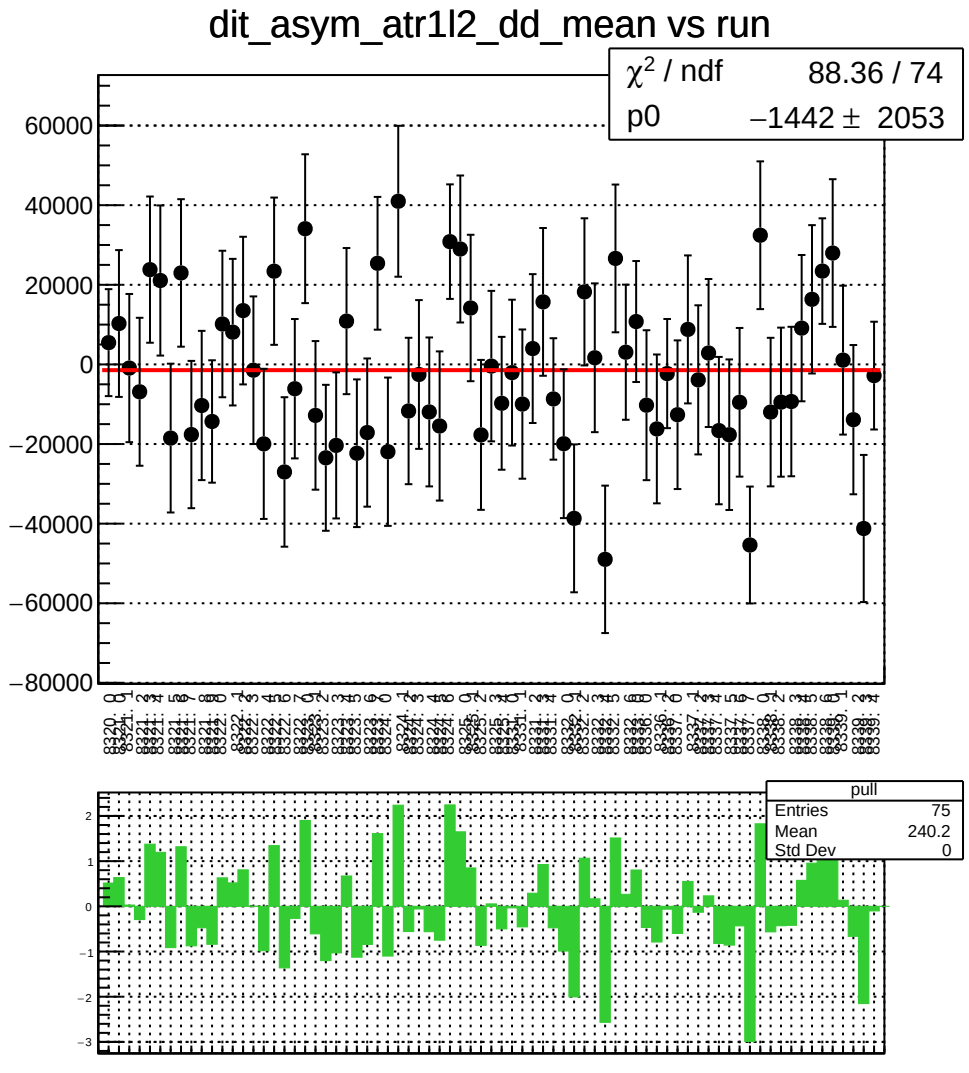

pull1D
Entries 75
Mean −0.01053
Std Dev 1.084

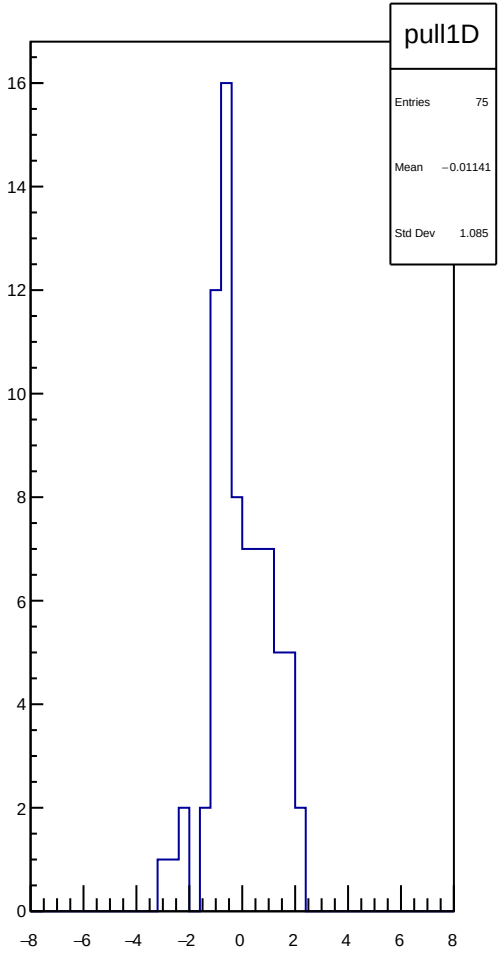

eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 88.38 / 74
p0 1763 ± 1.449
1800
1780
1760
1740
1720

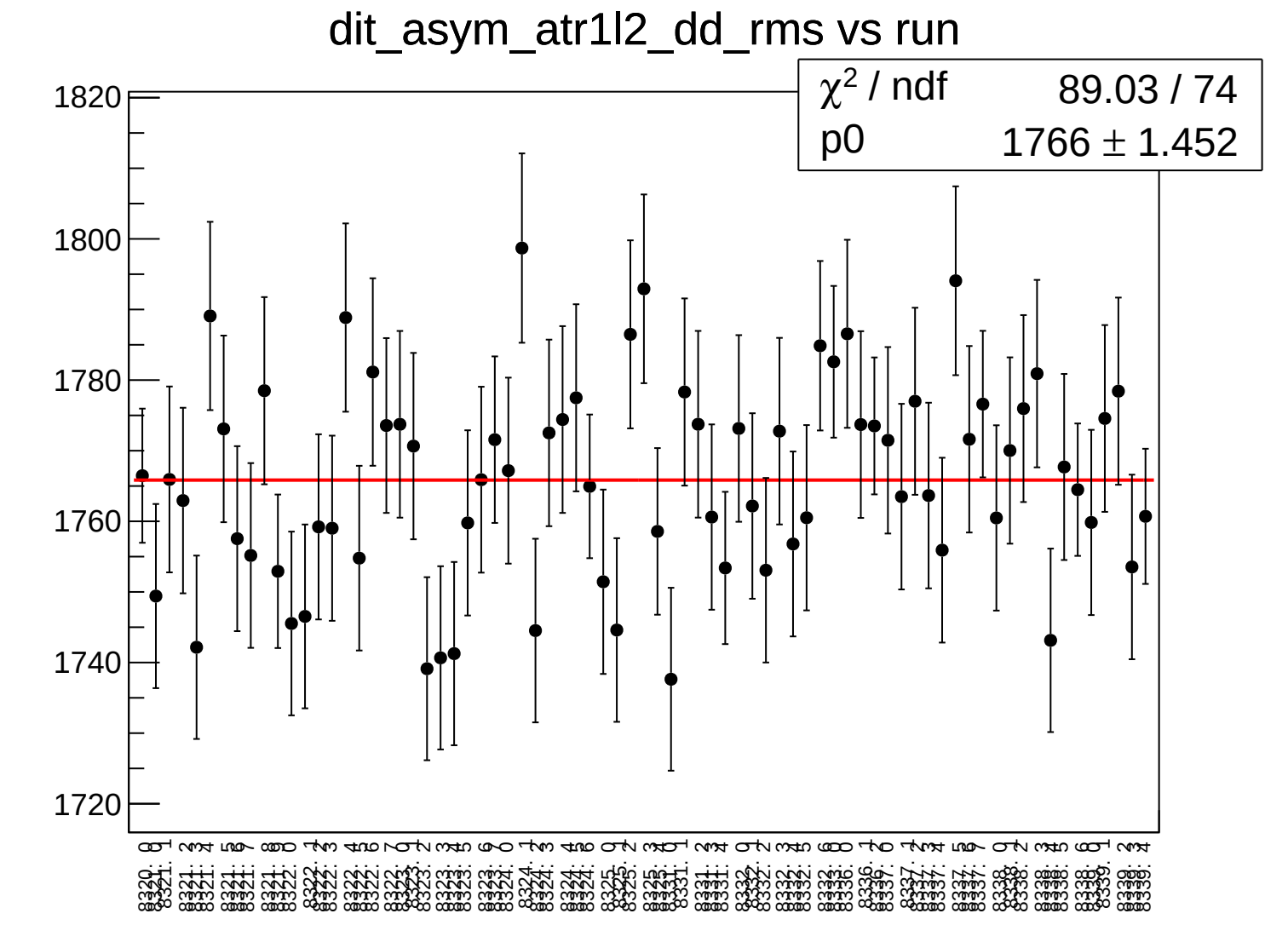

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.97 / 74
p0 7079 ± 4592
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 464
Std Dev 0
2
1
0
−1
−2

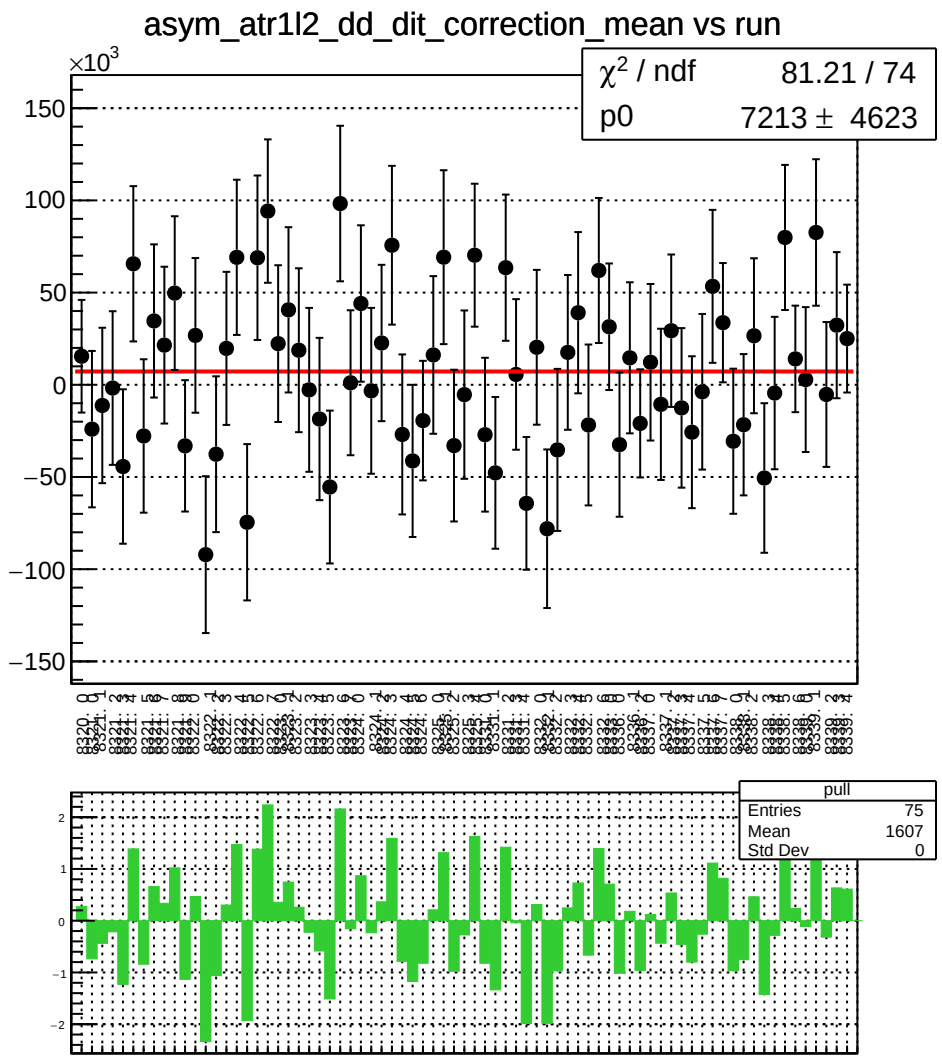

pull1D
Entries 75
Mean 0.002353
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

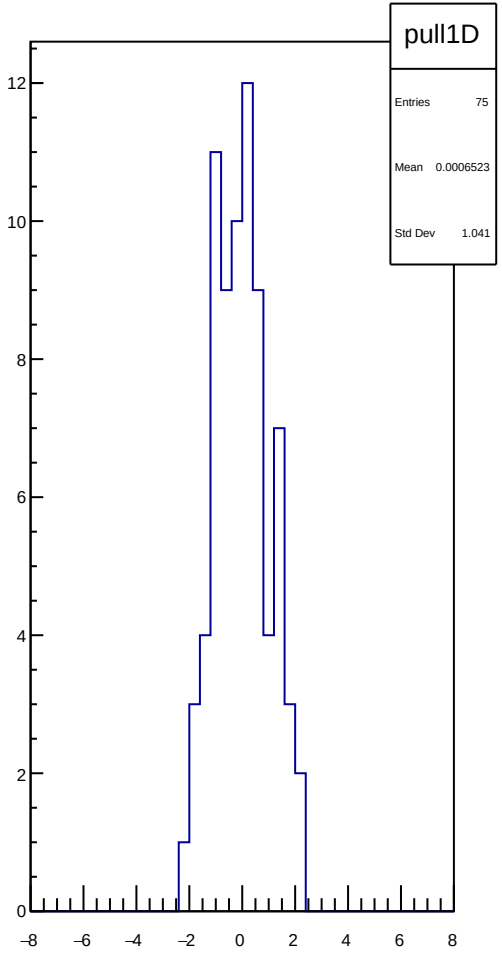

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2663 / 74
p0 3947 ± 3.247
4400
4200
4000
3800
3600

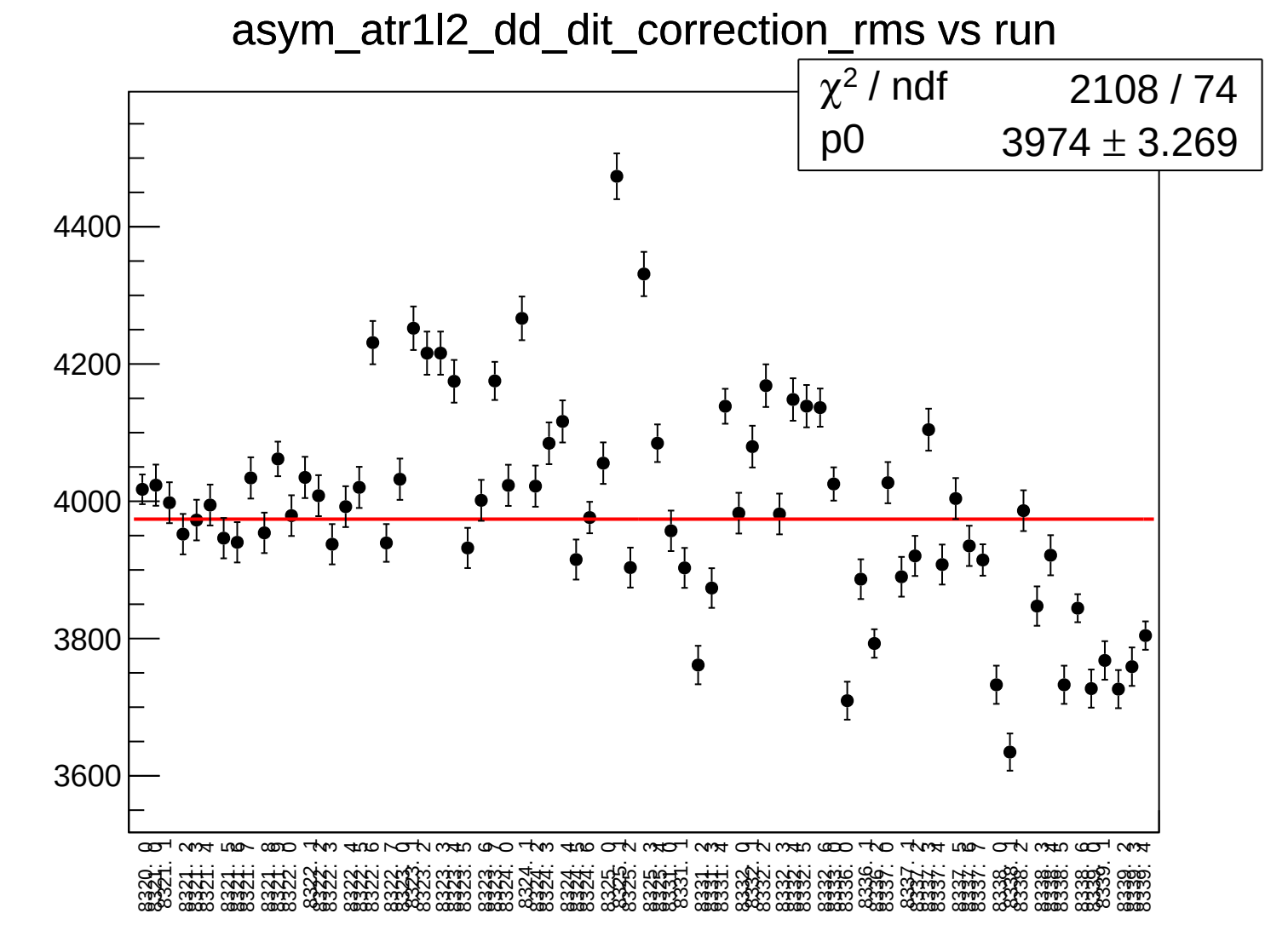

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 88.36 / 74
p0 −1442 ± 2053
pull
Entries 75
Mean 240.2
Std Dev 0

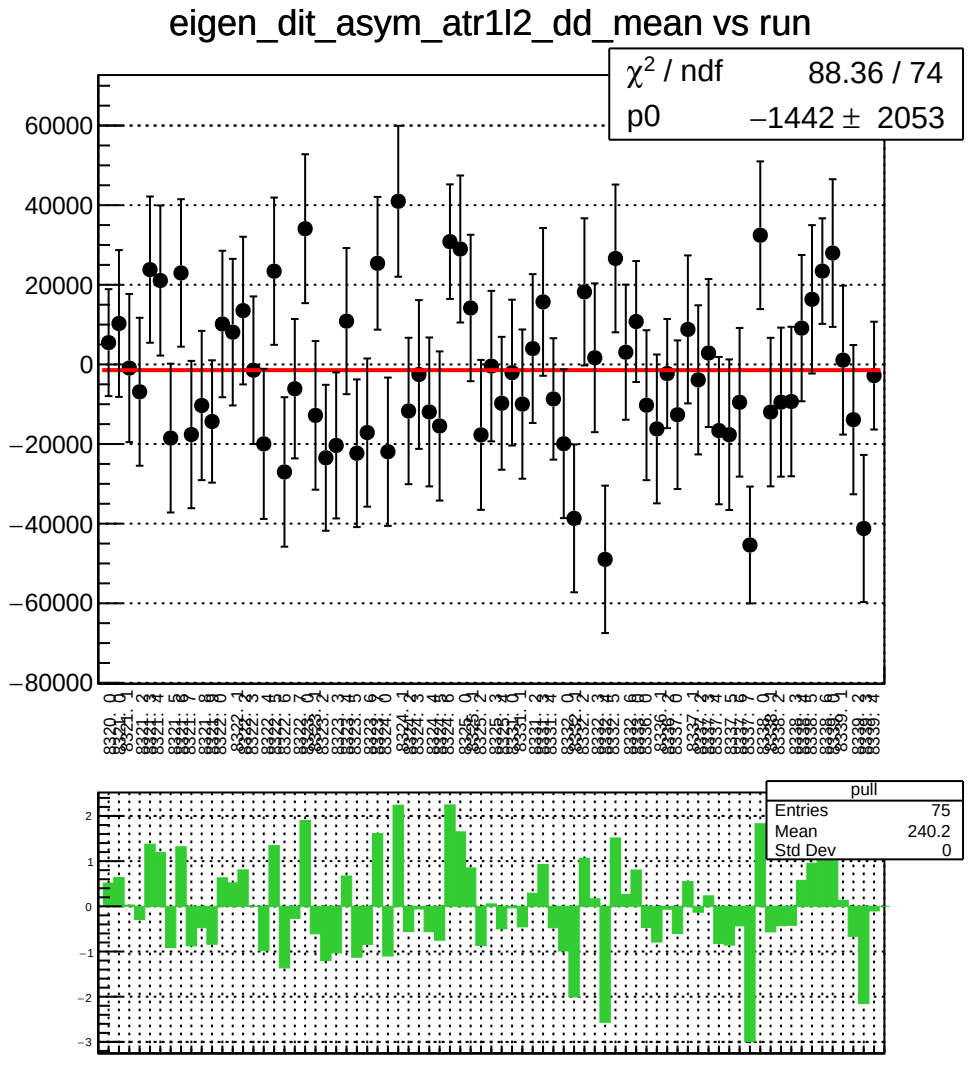

pull1D
Entries 75
Mean −0.01141
Std Dev 1.085

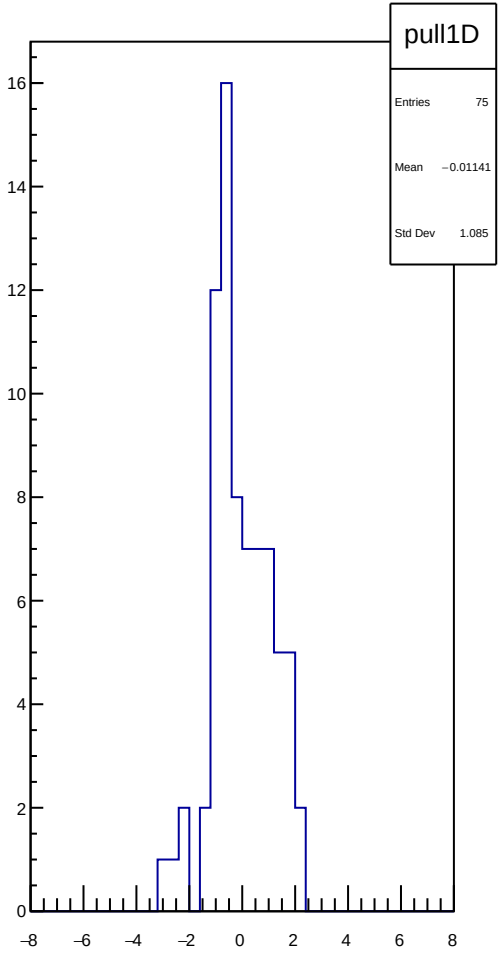

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 89.03 / 74
p0 1766 ± 1.452
1820
1800
1780
1760
1740
1720

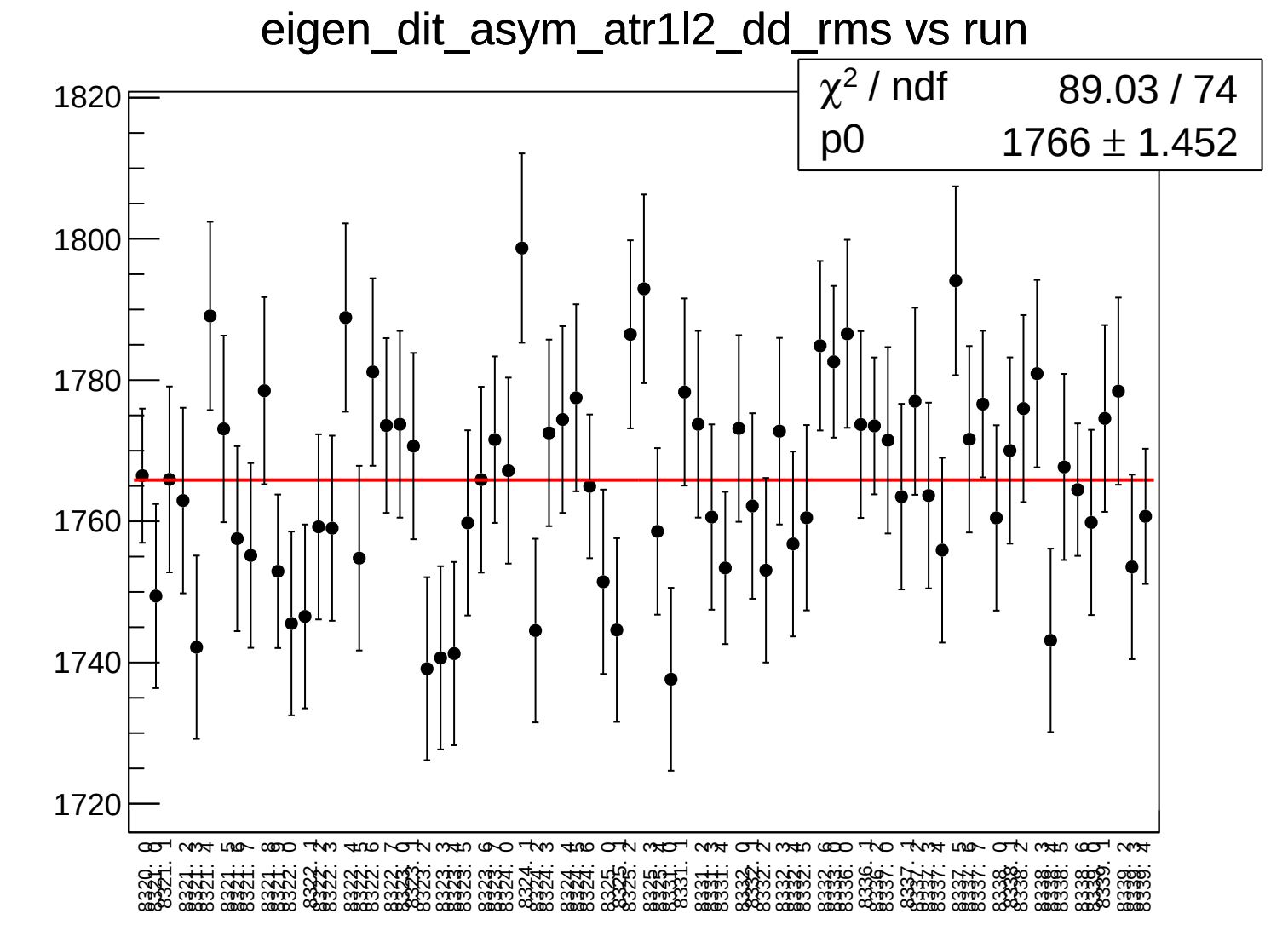

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.21 / 74
p0 7213 ± 4623
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 1607
Std Dev 0
2
1
0
−1
−2

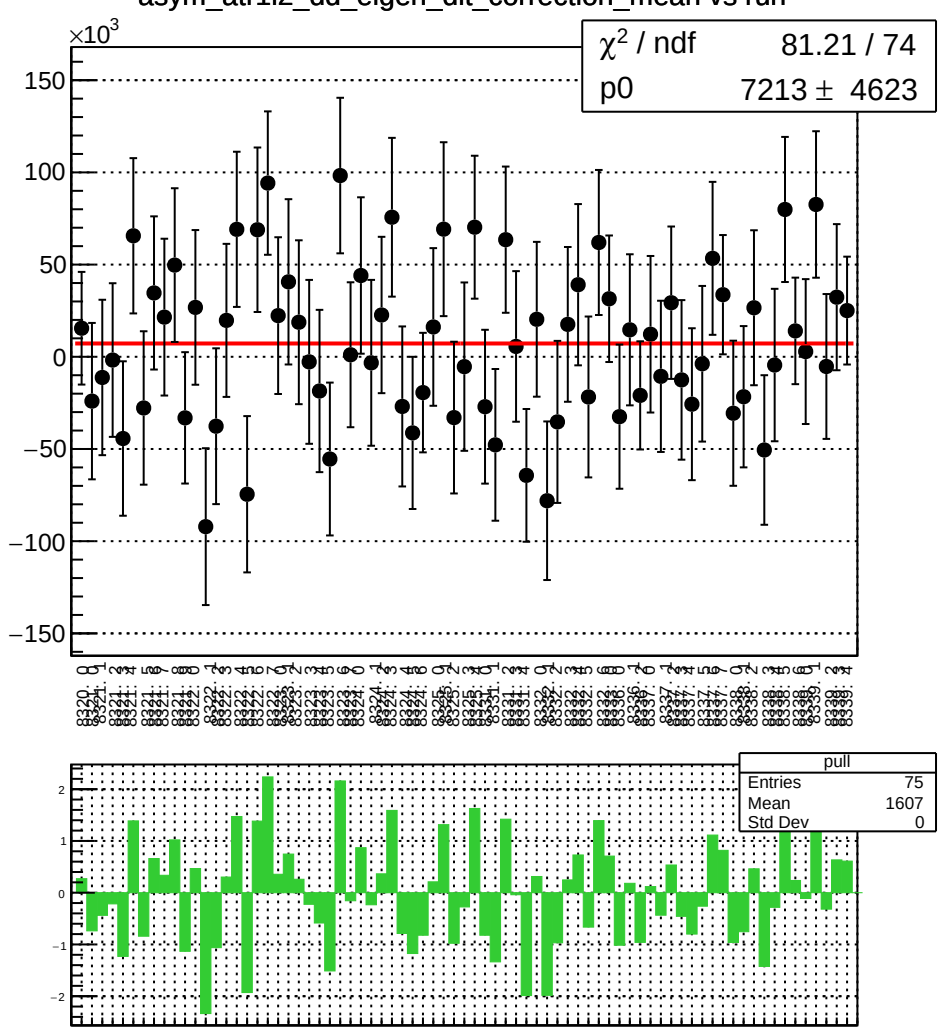

pull1D
Entries 75
Mean 0.0006523
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

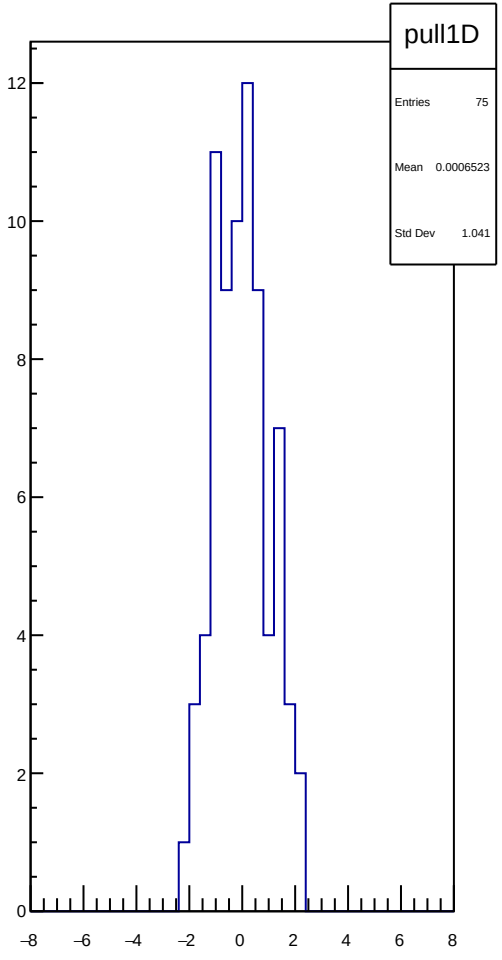

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 2108 / 74
p0 3974 ± 3.269
4400
4200
4000
3800
3600

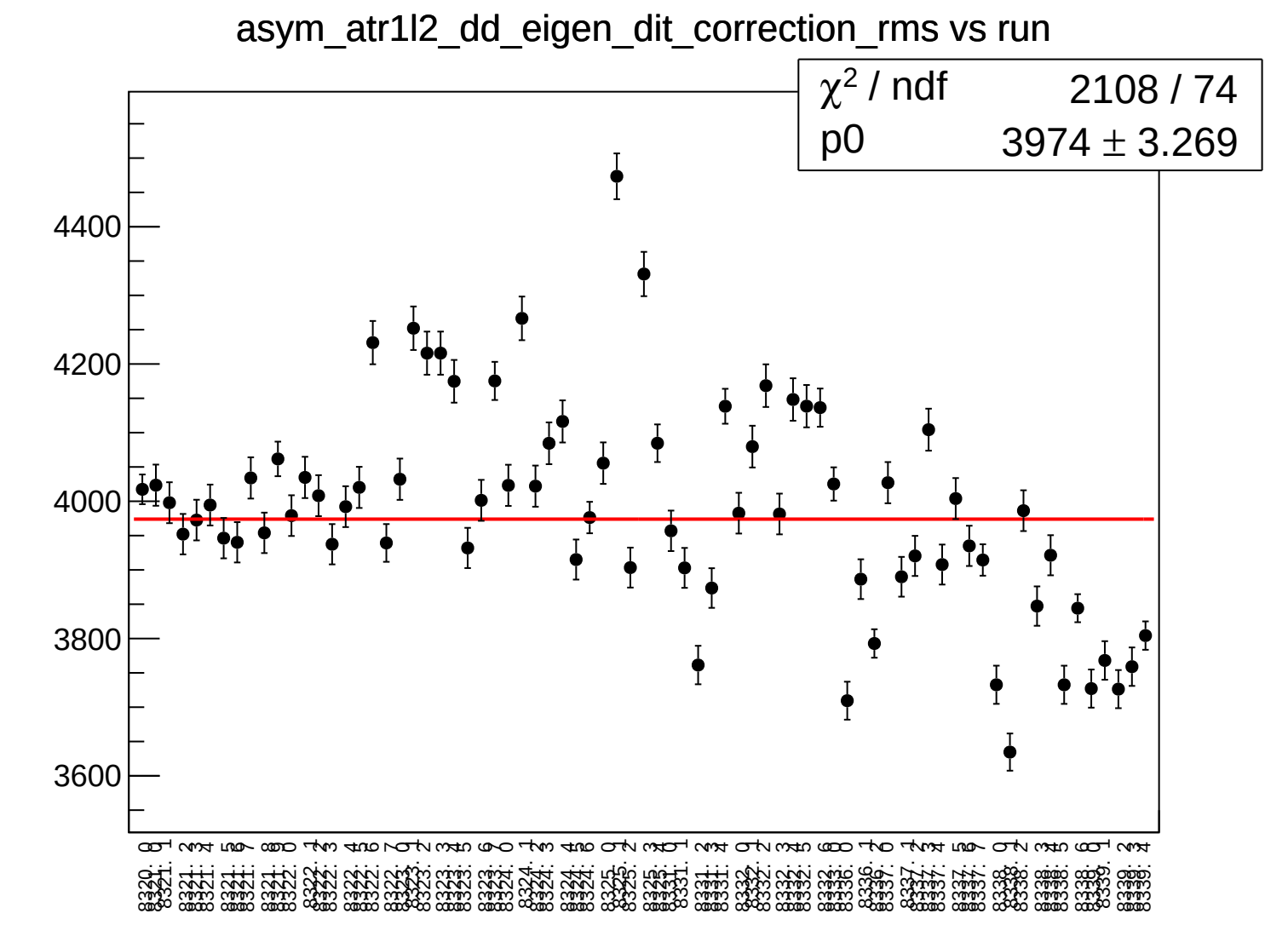

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 88.36 / 74
p0 −1442 ± 2053
pull
Entries 75
Mean 240.2
Std Dev 0

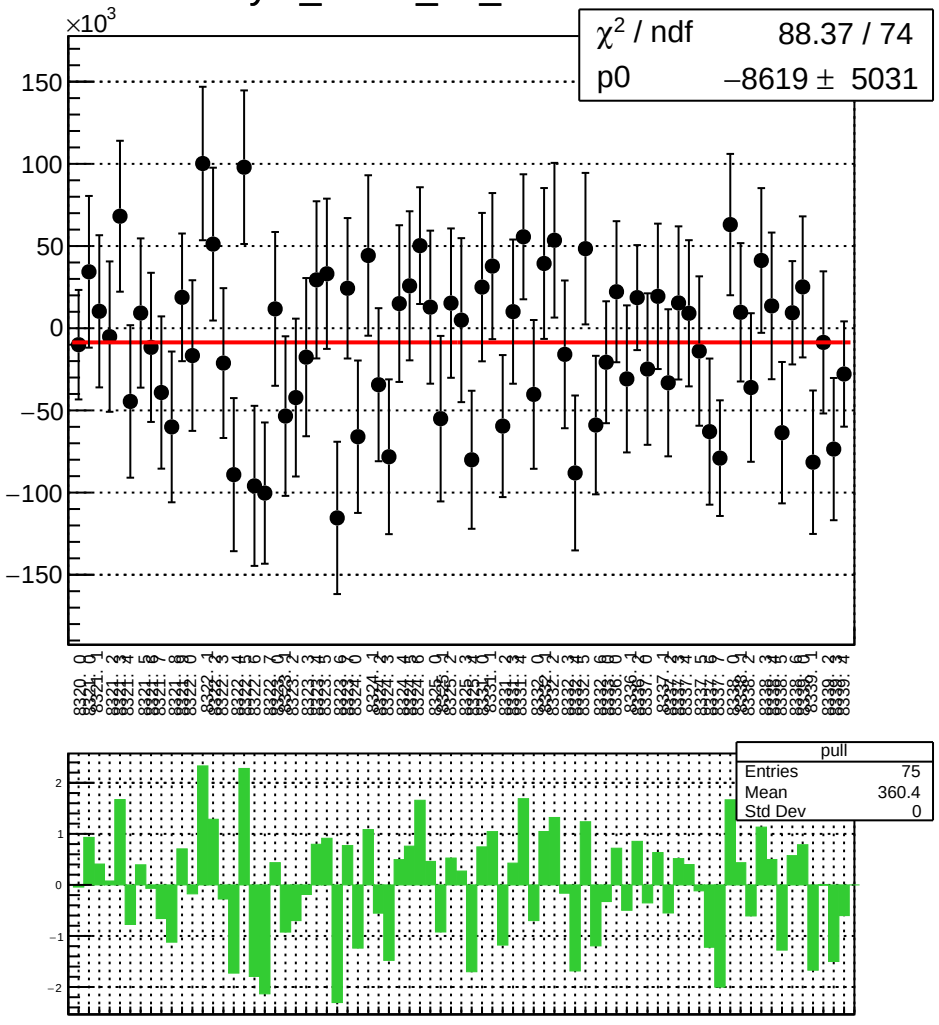

pull1D
Entries 75
Mean −0.01141
Std Dev 1.085

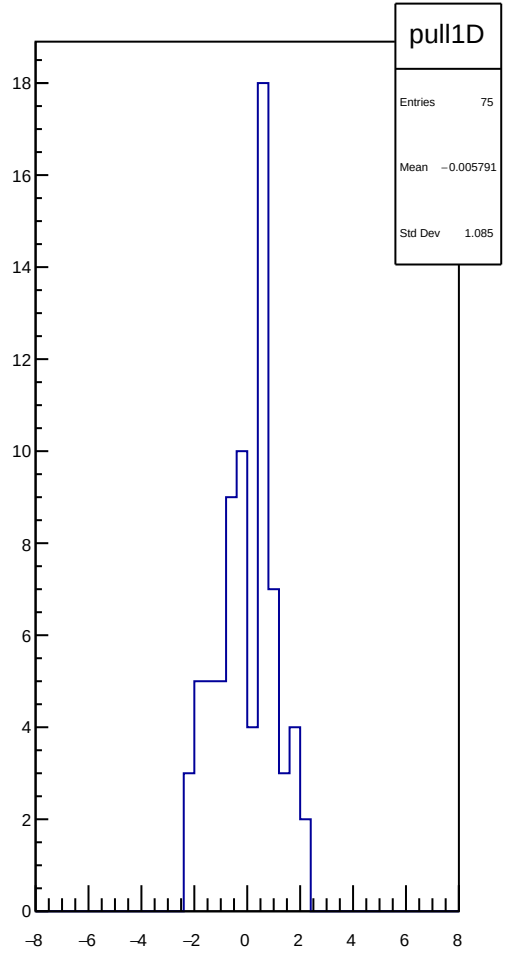

eigen_dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 89.03 / 74
p0 1766 ± 1.452
1820
1800
1780
1760
1740
1720

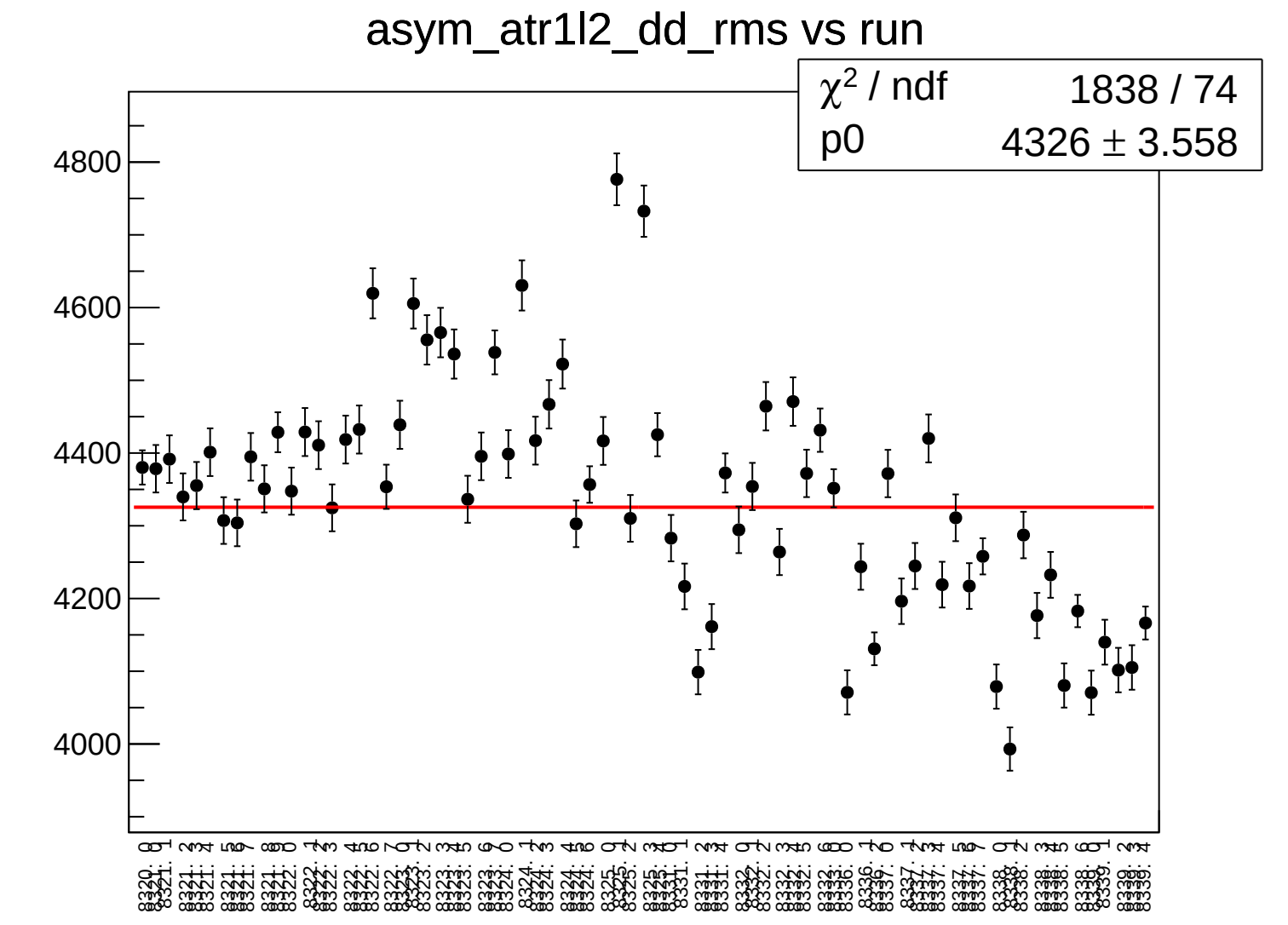

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.21 / 74
p0 7213 ± 4623
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 1607
Std Dev 0
2
1
0
−1
−2

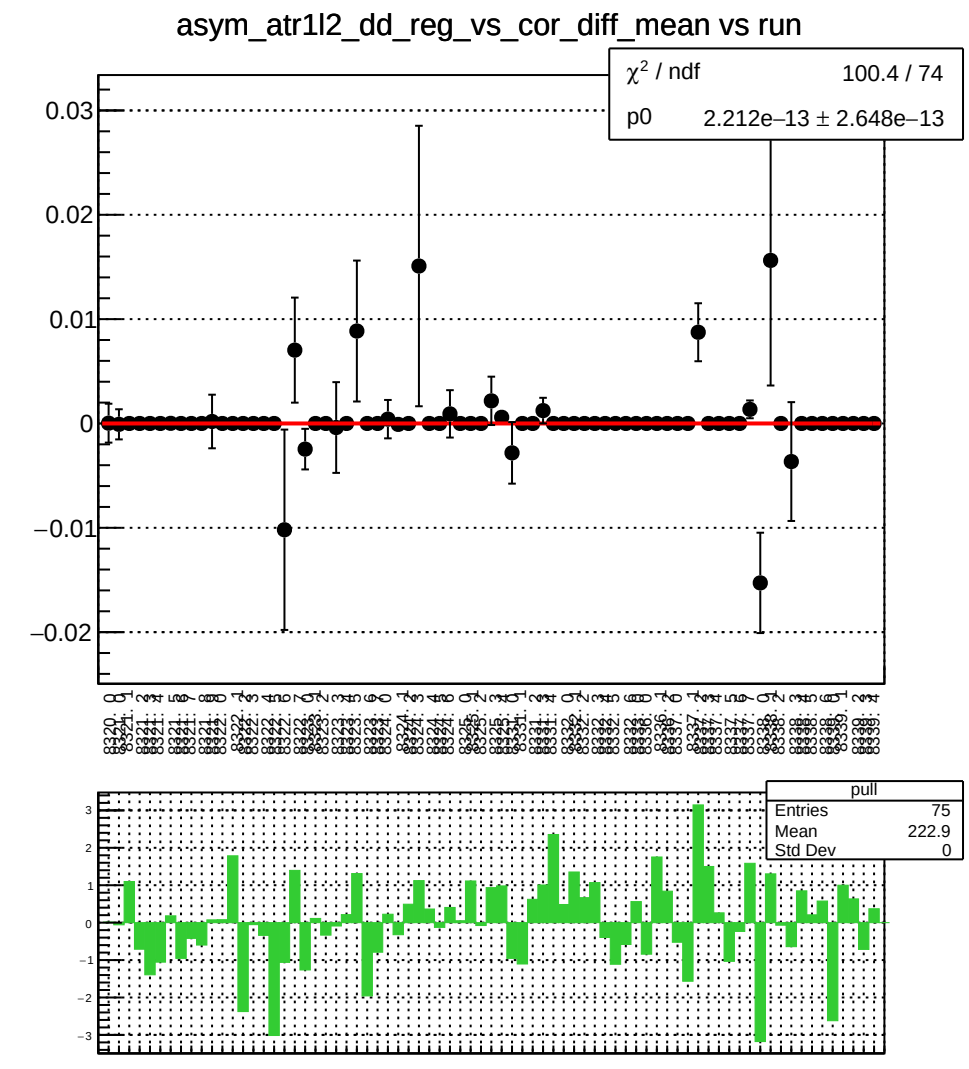

pull1D
Entries 75
Mean 0.0006523
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

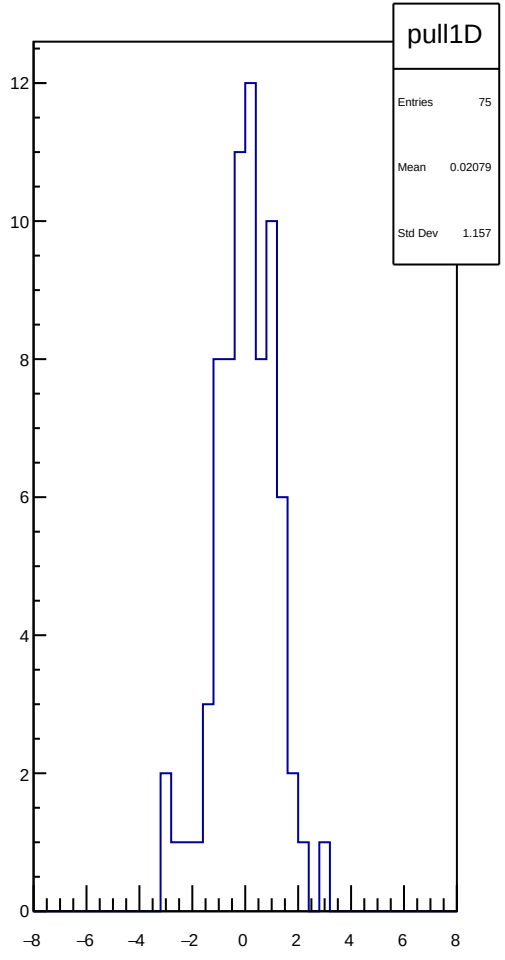

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2108 / 74
p0 3974 ± 3.269
4400
4200
4000
3800
3600

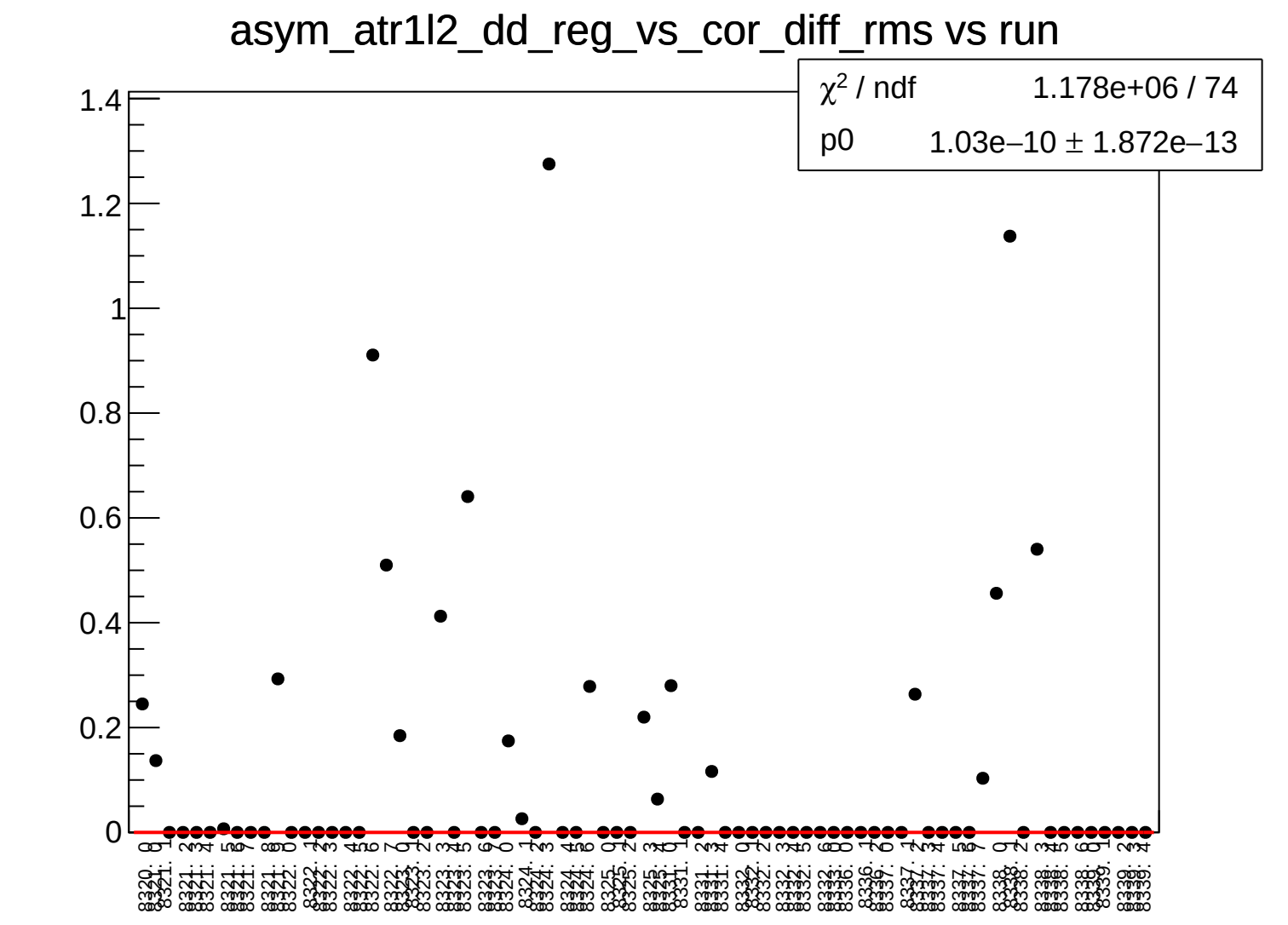

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 88.37 / 74
p0 −8619 ± 5031
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 360.4
Std Dev 0
2
1
0
−1
−2

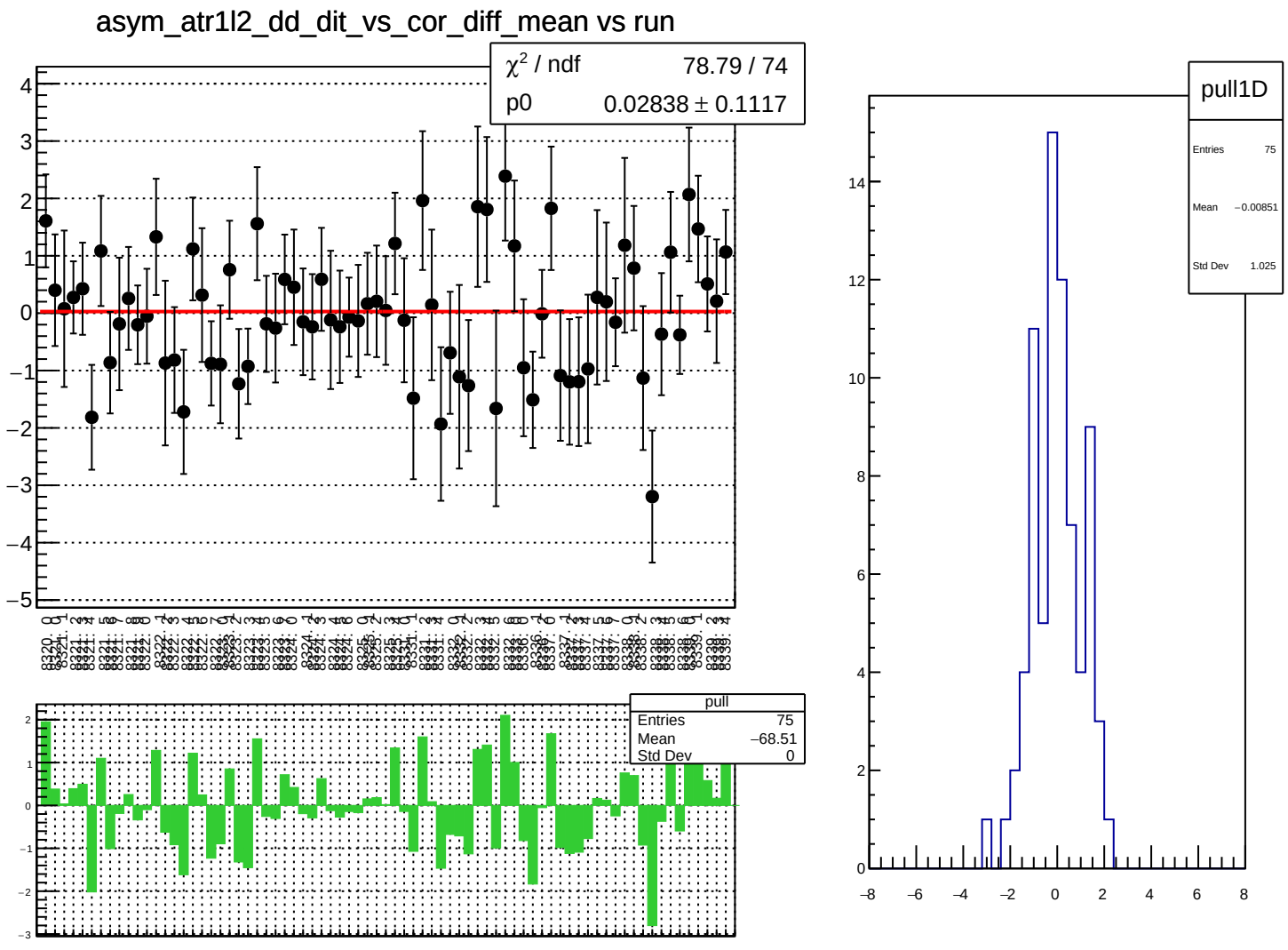

pull1D
Entries 75
Mean −0.005791
Std Dev 1.085
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

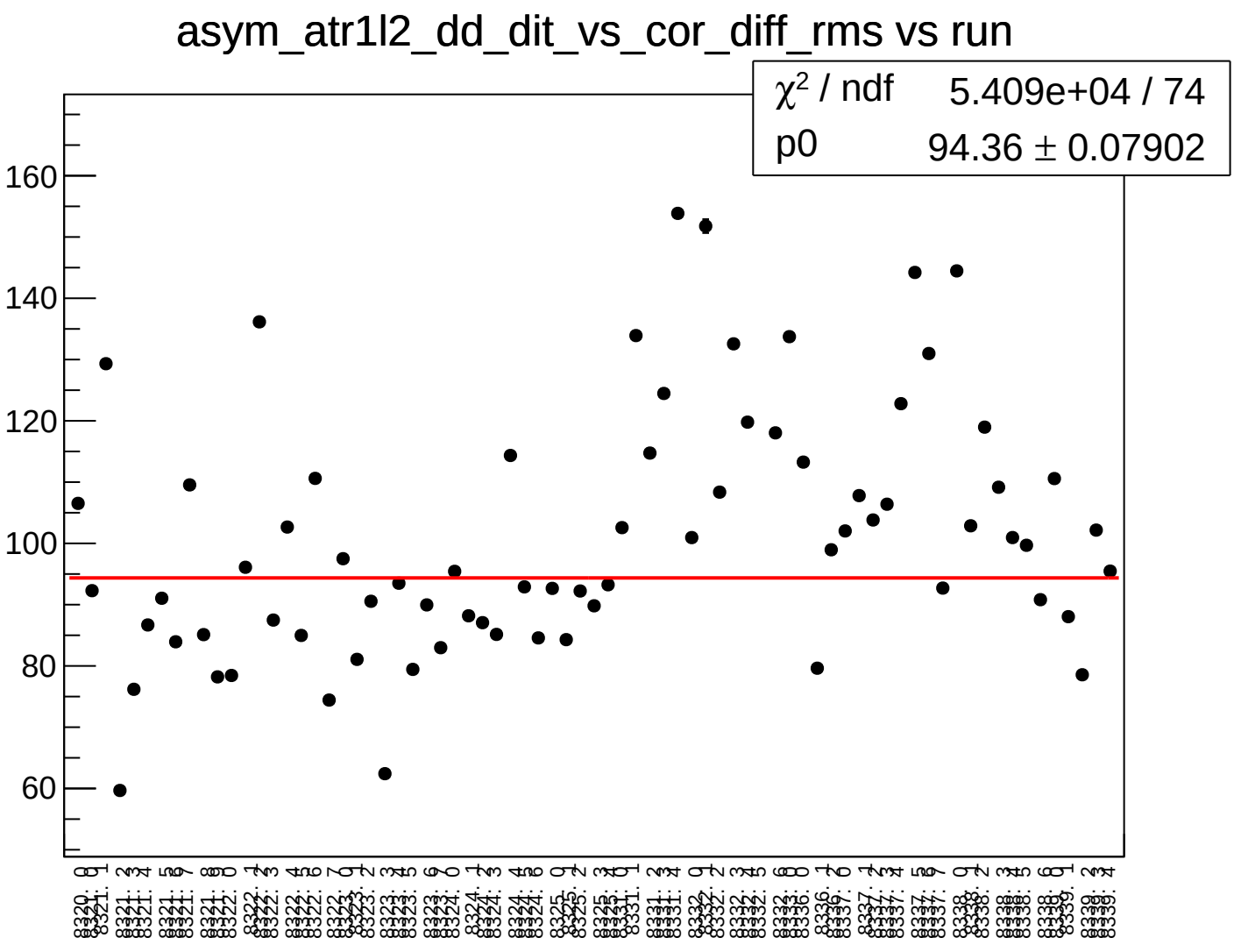

asym_atr1l2_dd_rms vs run
χ² / ndf 1838 / 74
p0 4326 ± 3.558
4800
4600
4400
4200
4000

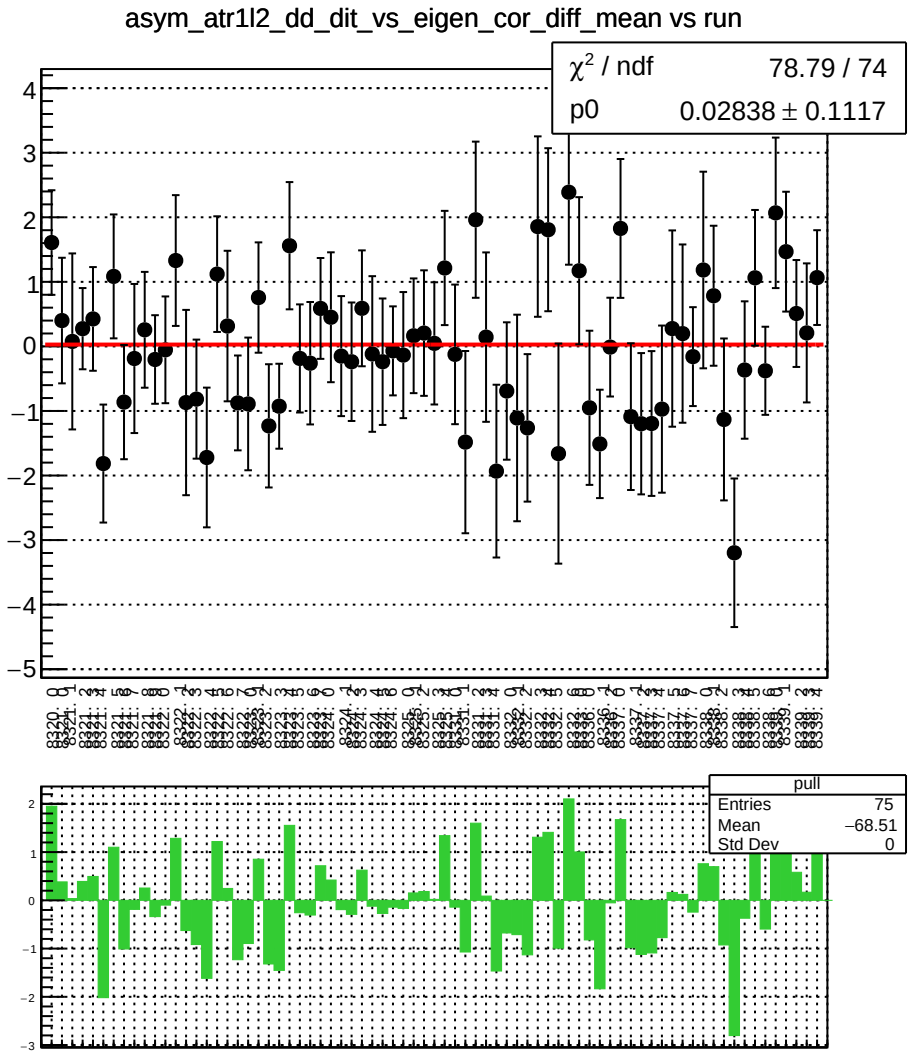

asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 100.4 / 74
p0 2.212e−13 ± 2.648e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean 222.9
Std Dev 0
3
2
1
0
−1
−2
−3

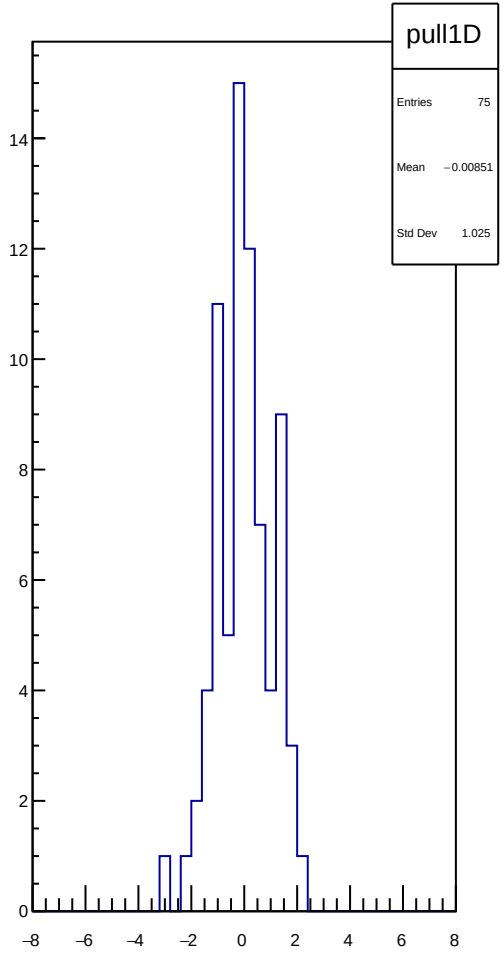

pull1D
Entries 75
Mean 0.02079
Std Dev 1.157
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

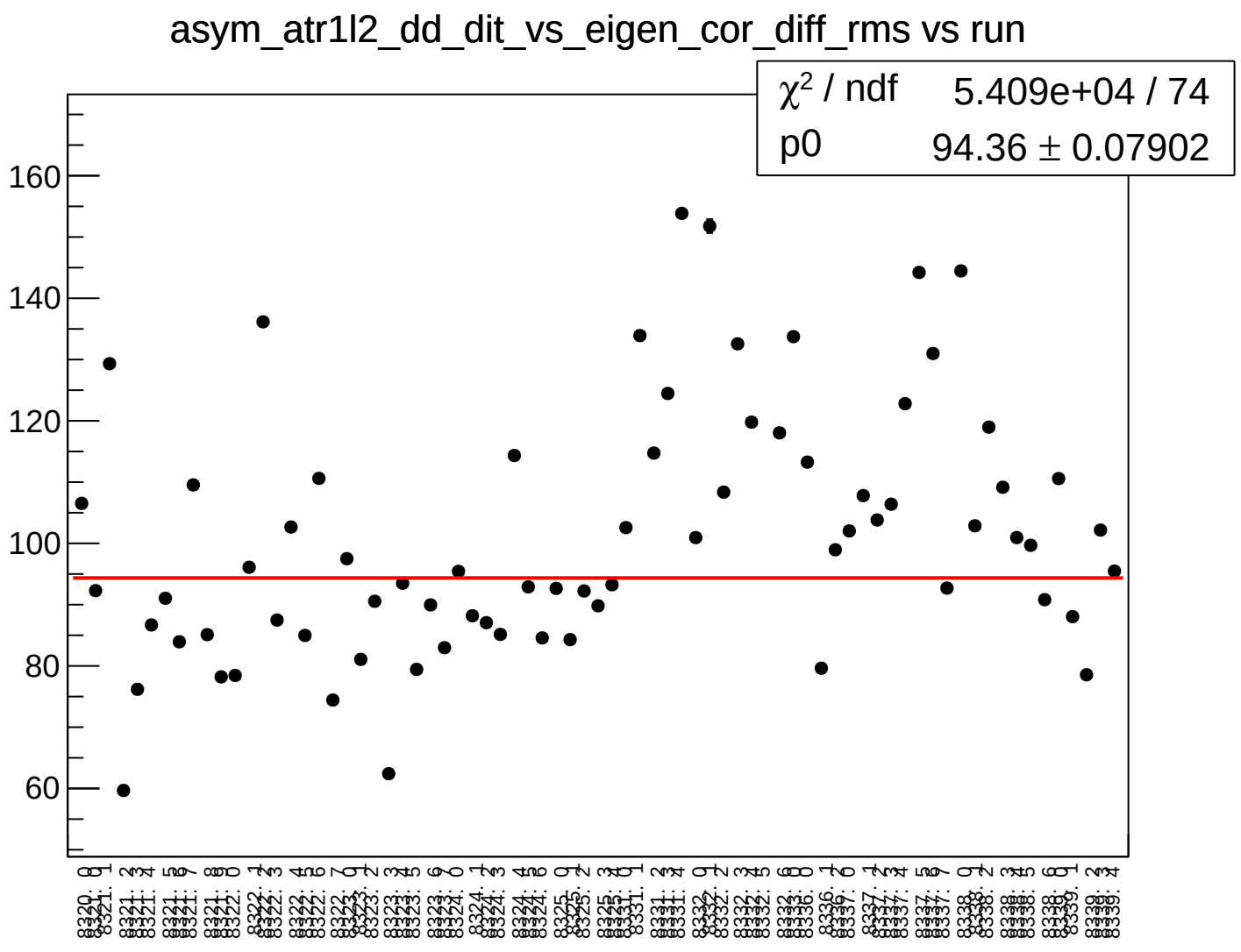

asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 1.178e+06 / 74
p0 1.03e−10 ± 1.872e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0

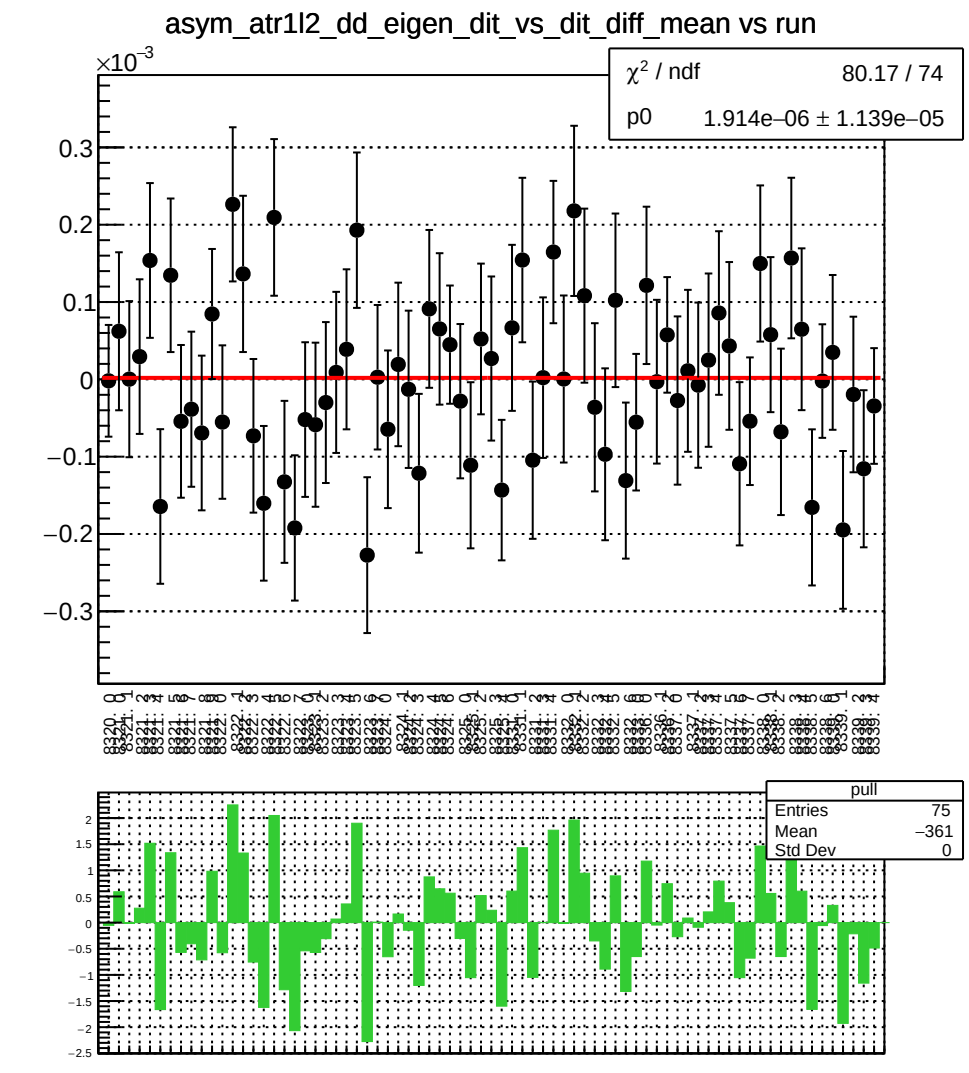

asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 78.79 / 74
p0 0.02838 ± 0.1117
pull
Entries 75
Mean −68.51
Std Dev 0
pull1D
Entries 75
Mean −0.00851
Std Dev 1.025

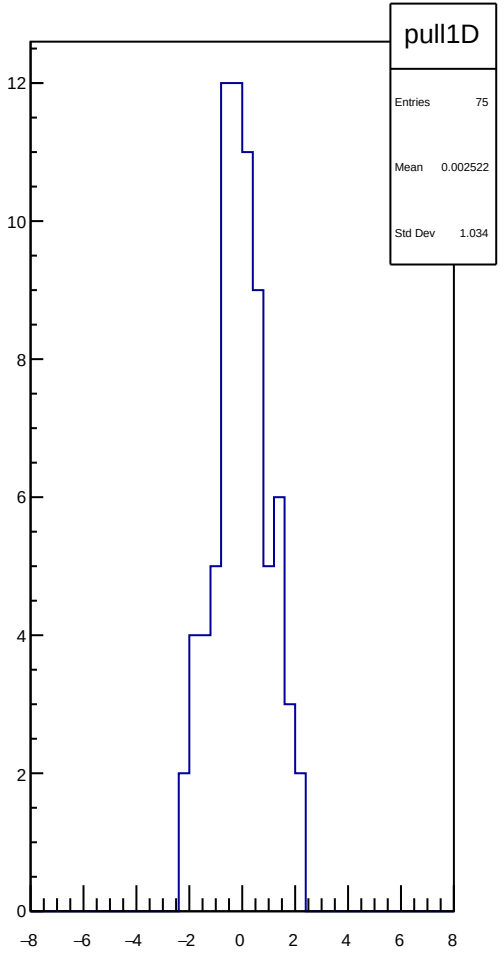

asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.409e+04 / 74
p0 94.36 ± 0.07902
160
140
120
100
80
60

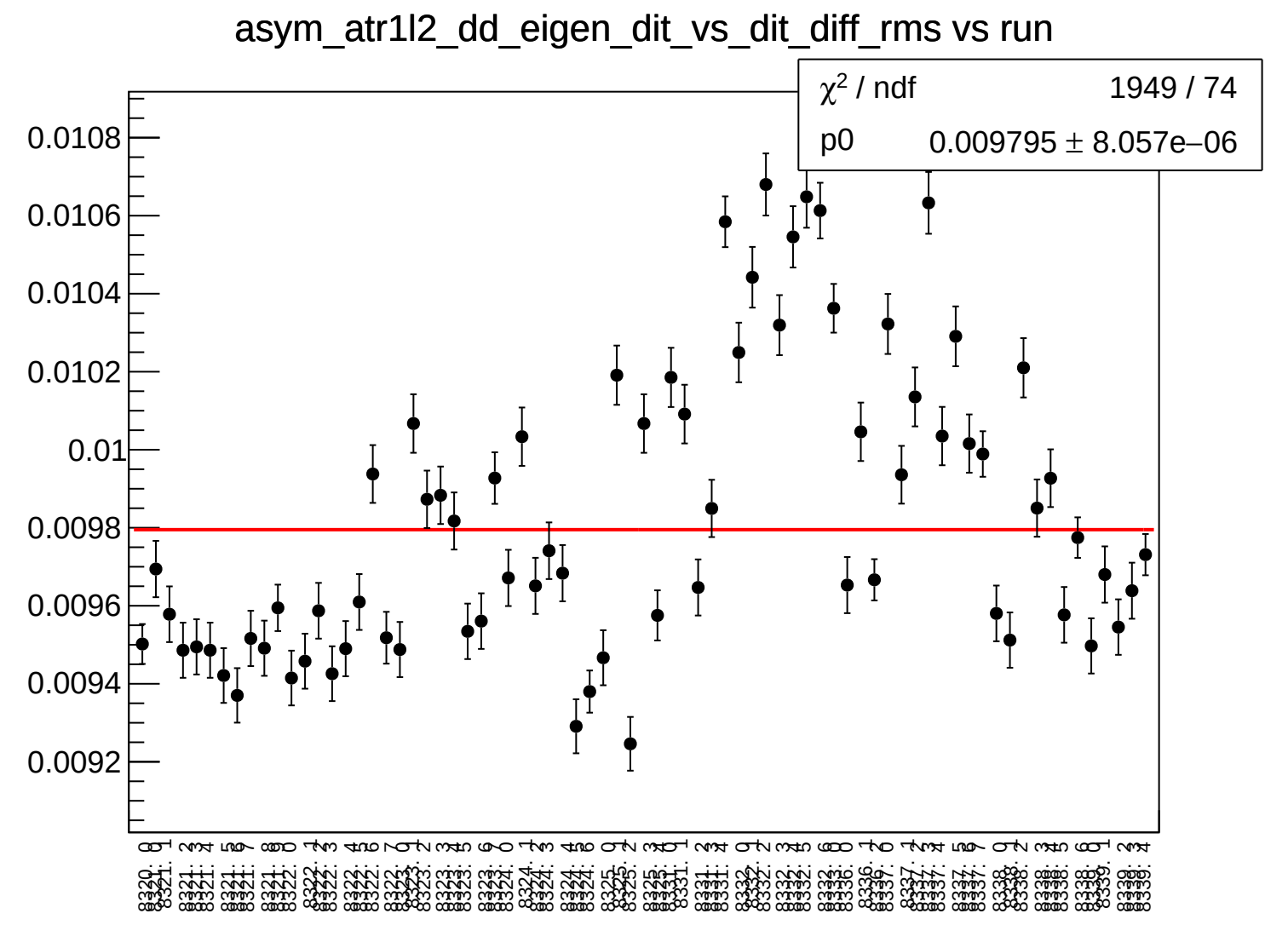

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.79 / 74
p0 0.02838 ± 0.1117
pull
Entries 75
Mean −68.51
Std Dev 0

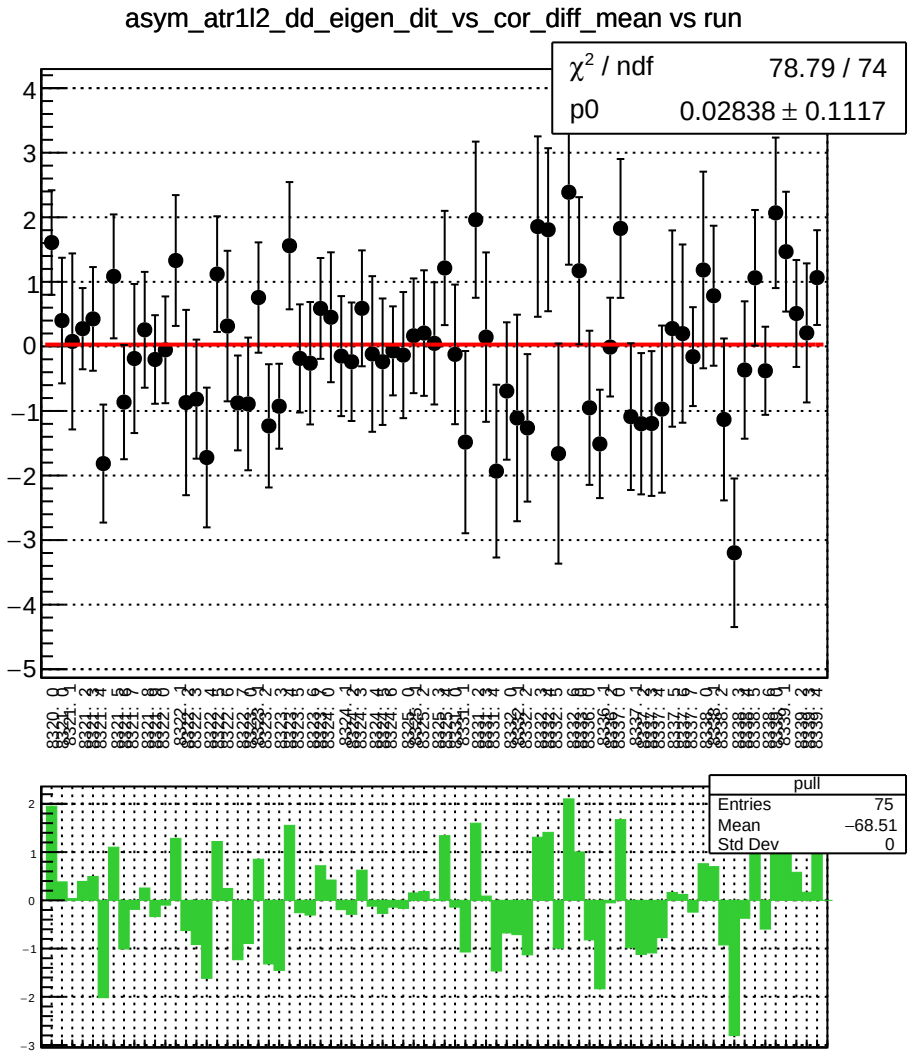

pull1D
Entries 75
Mean −0.00851
Std Dev 1.025

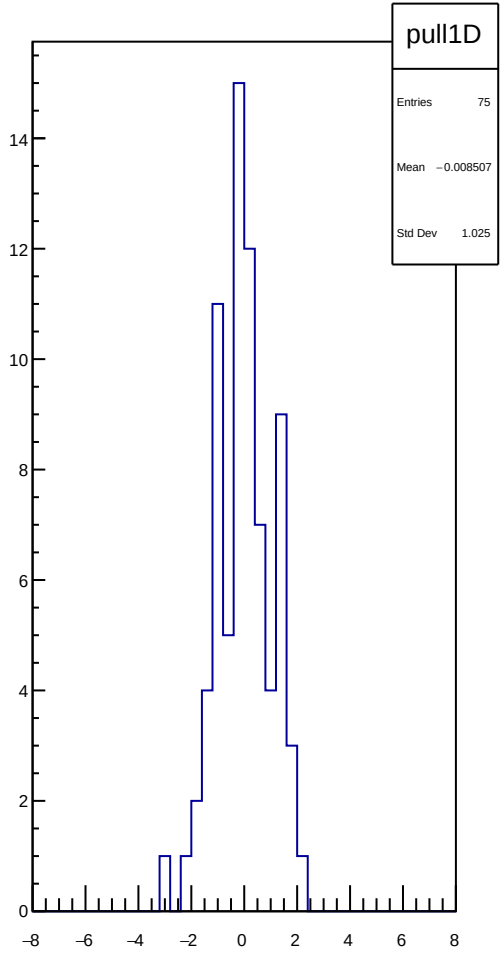

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.409e+04 / 74
p0 94.36 ± 0.07902
160
140
120
100
80
60

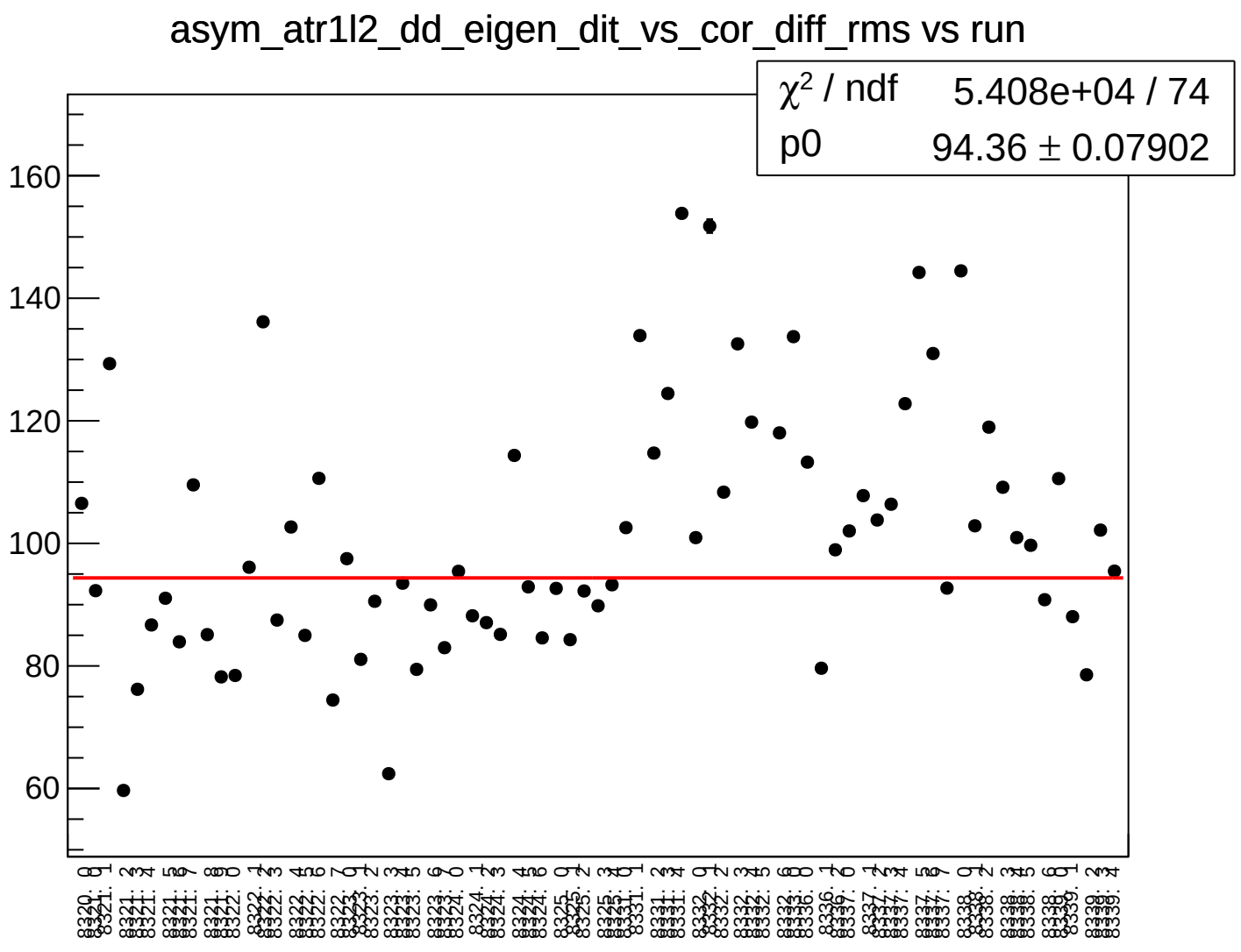

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.17 / 74
p0 1.914e−06 ± 1.139e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 75
Mean −361
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

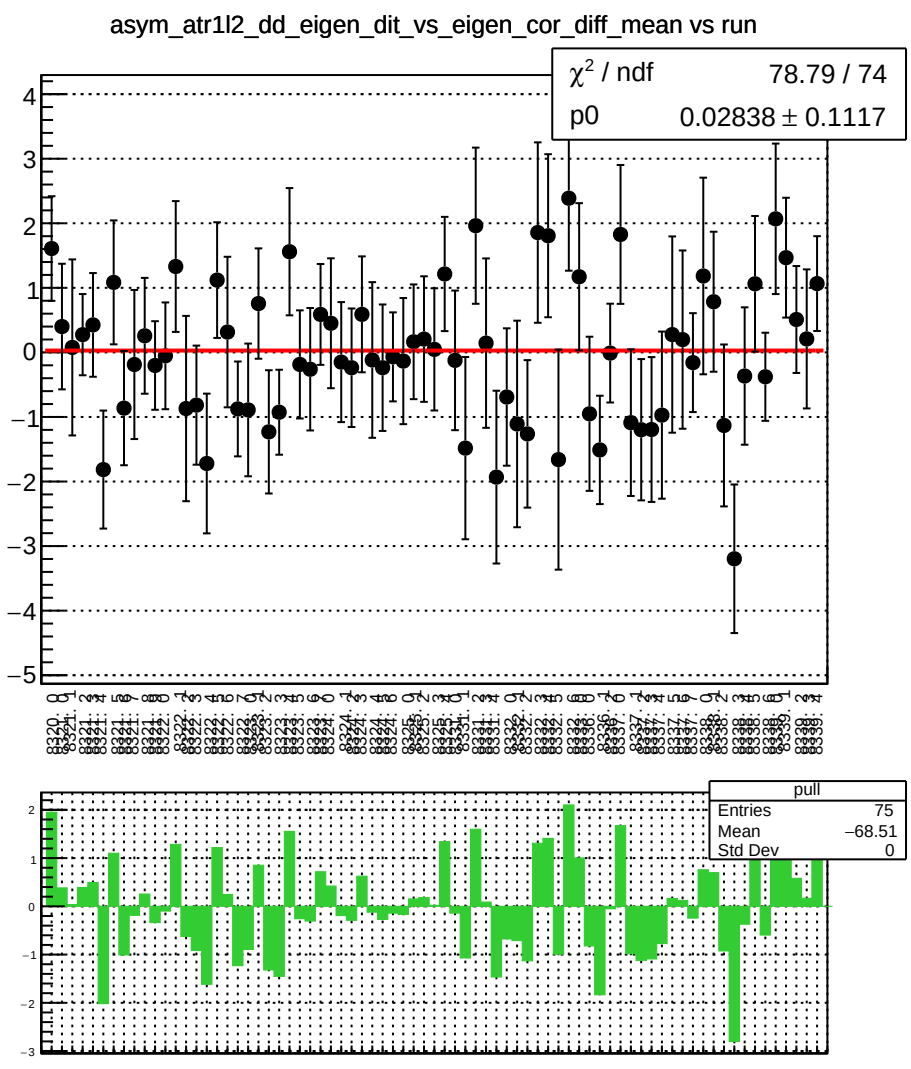

pull1D
Entries 75
Mean 0.002522
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

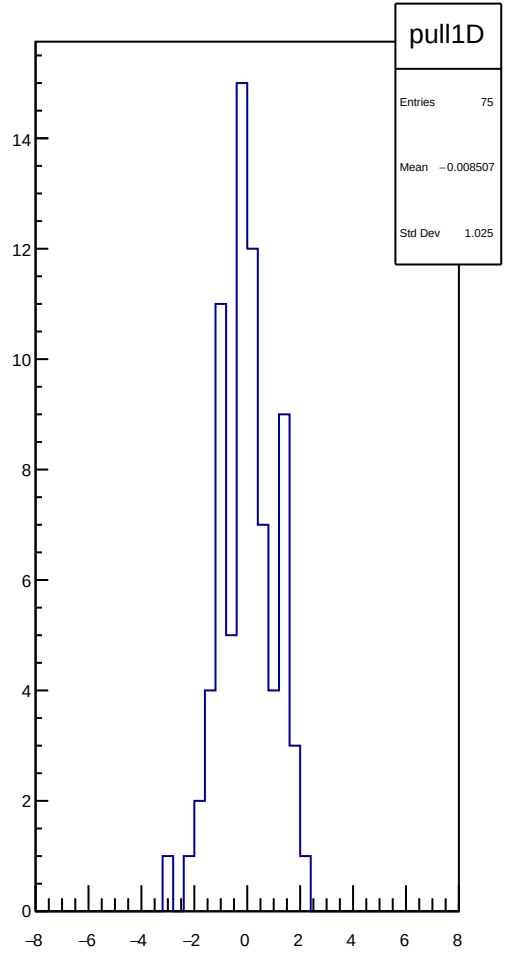

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1949 / 74
p0 0.009795 ± 8.057e−06
0.0108
0.0106
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092

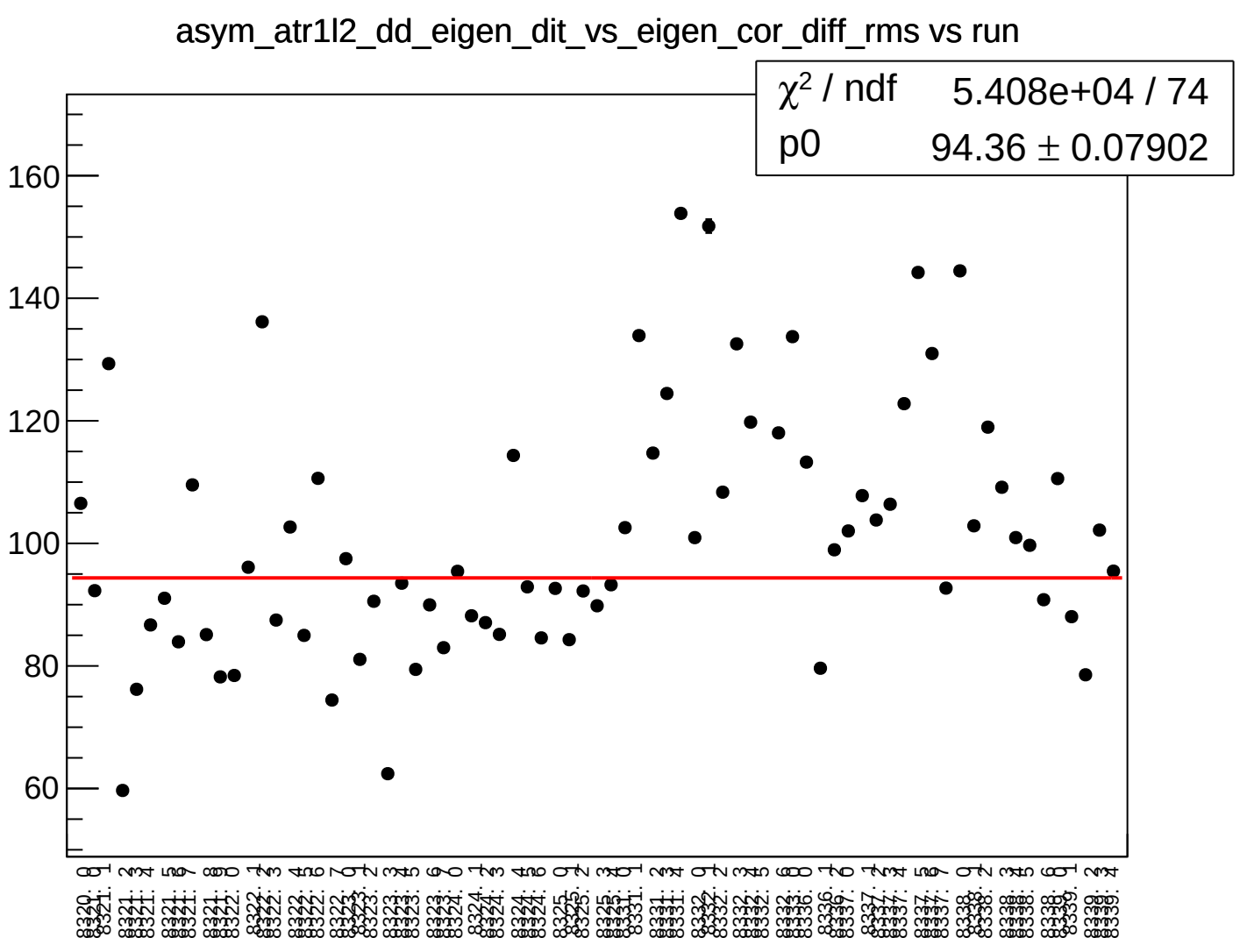

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.79 / 74
p0 0.02838 ± 0.1117
pull
Entries 75
Mean −68.51
Std Dev 0

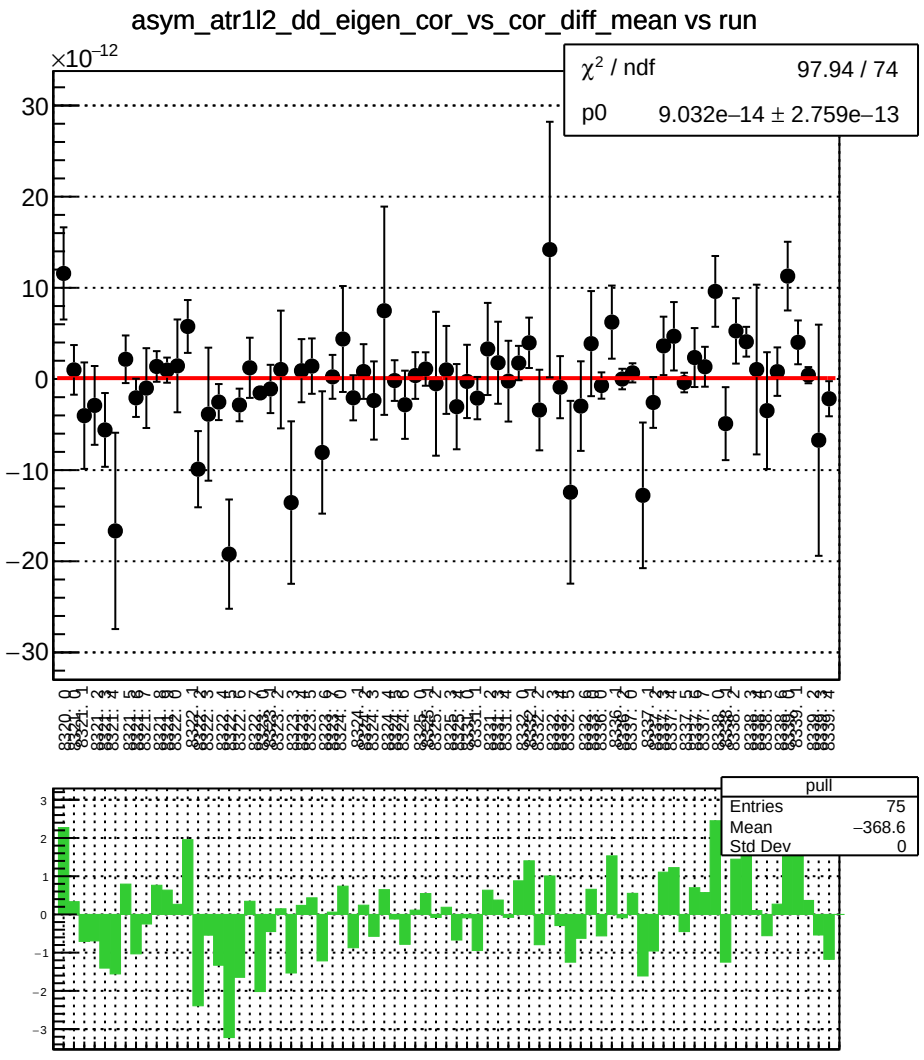

pull1D
Entries 75
Mean −0.008507
Std Dev 1.025

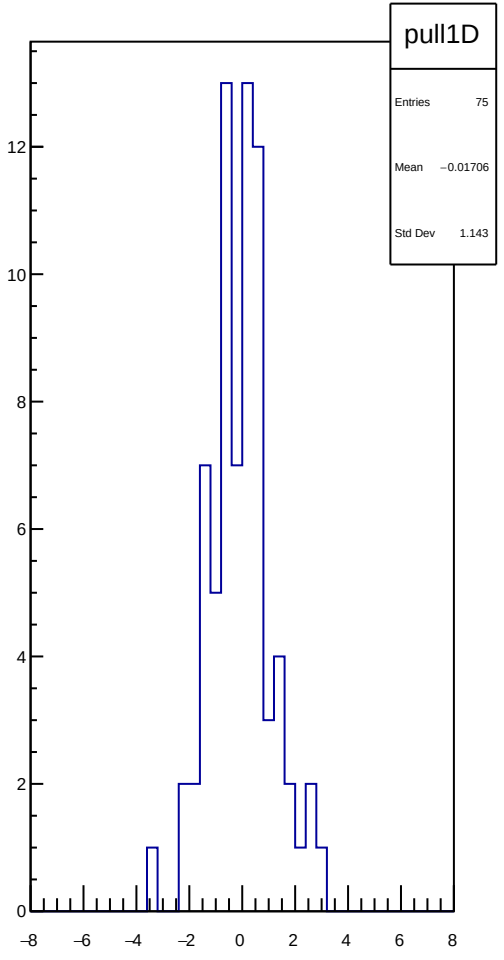

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.408e+04 / 74
p0 94.36 ± 0.07902
160
140
120
100
80
60

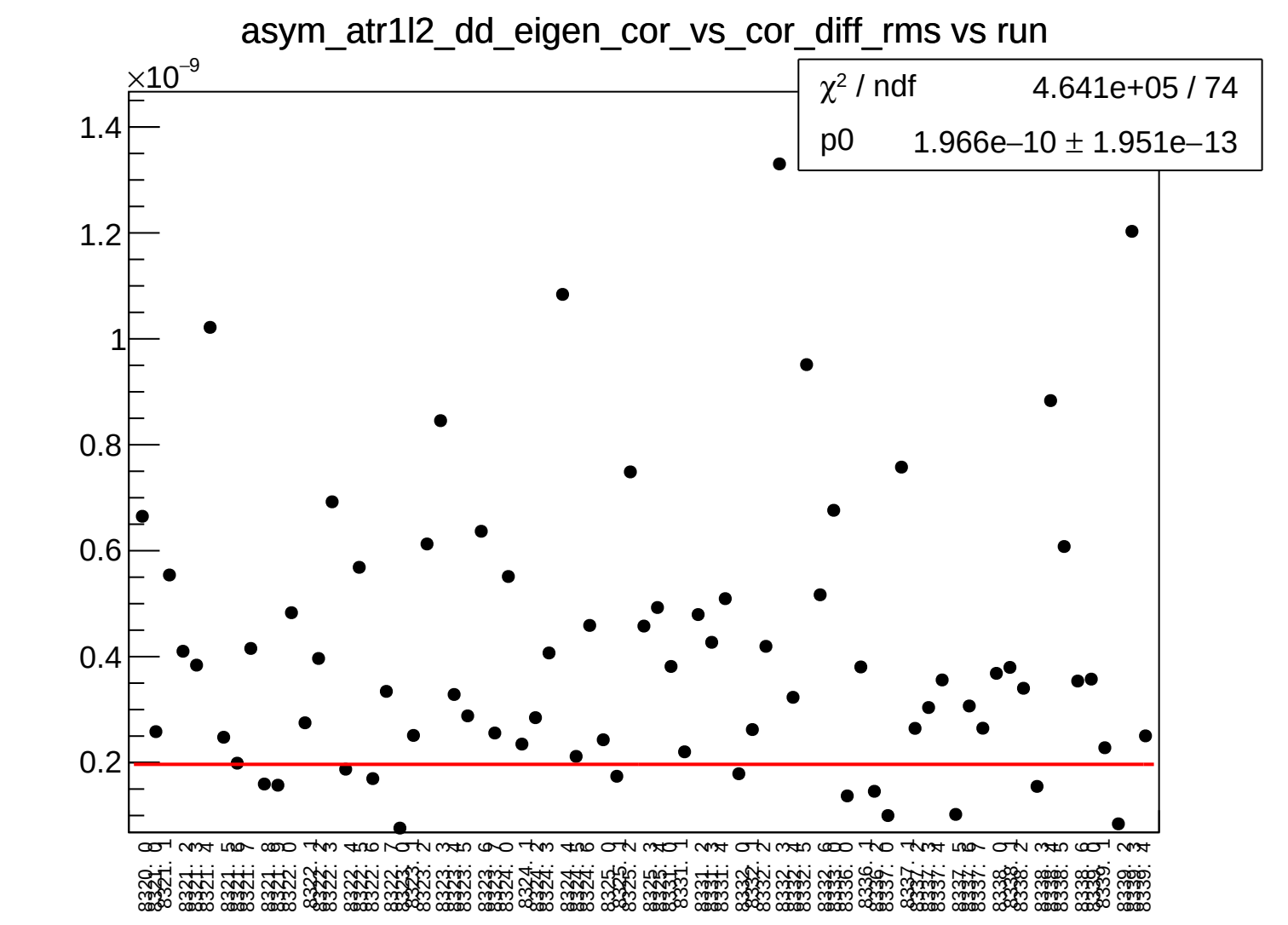

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.79 / 74
p0 0.02838 ± 0.1117
pull
Entries 75
Mean −68.51
Std Dev 0

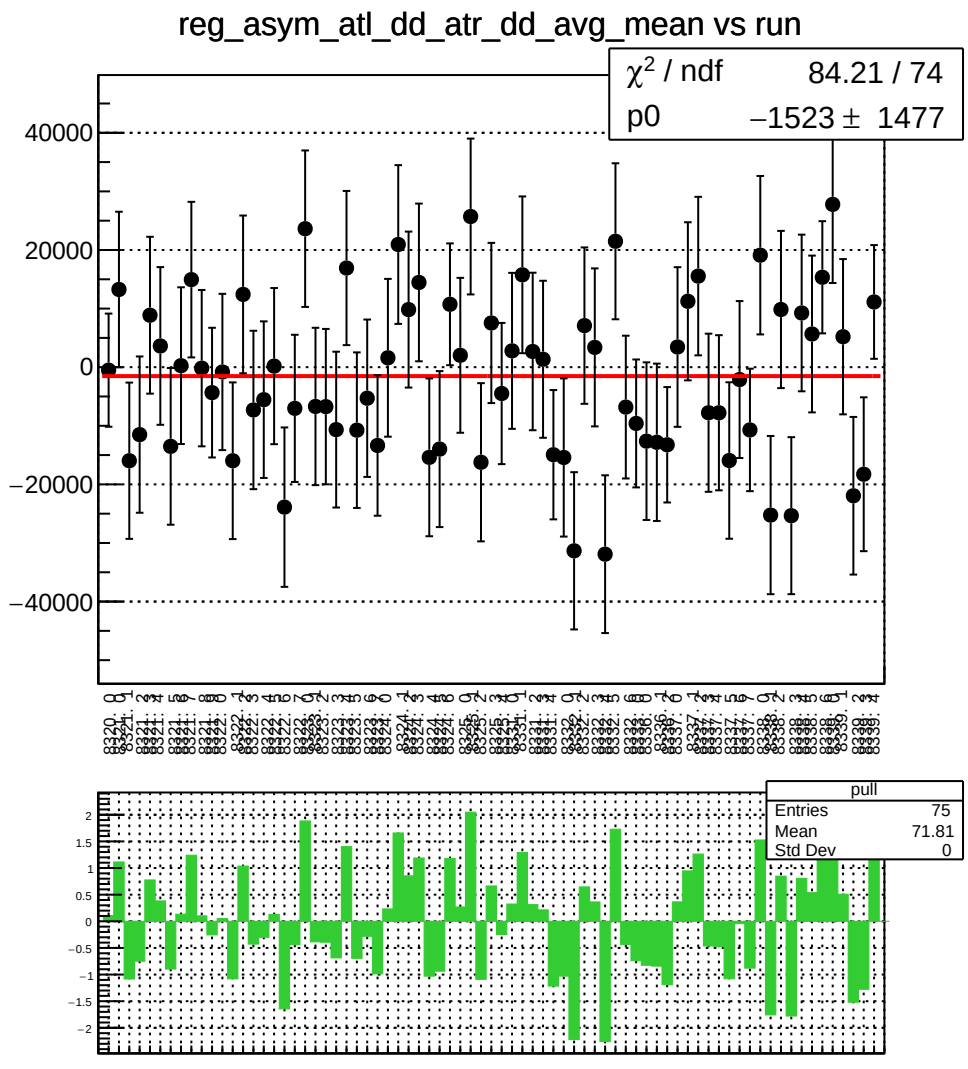

pull1D
Entries 75
Mean −0.008507
Std Dev 1.025

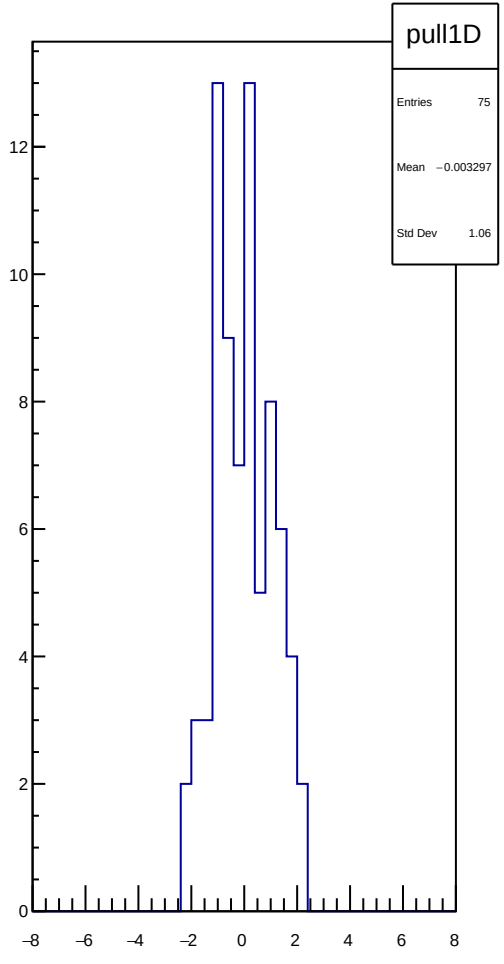

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.408e+04 / 74
p0 94.36 ± 0.07902
160
140
120
100
80
60

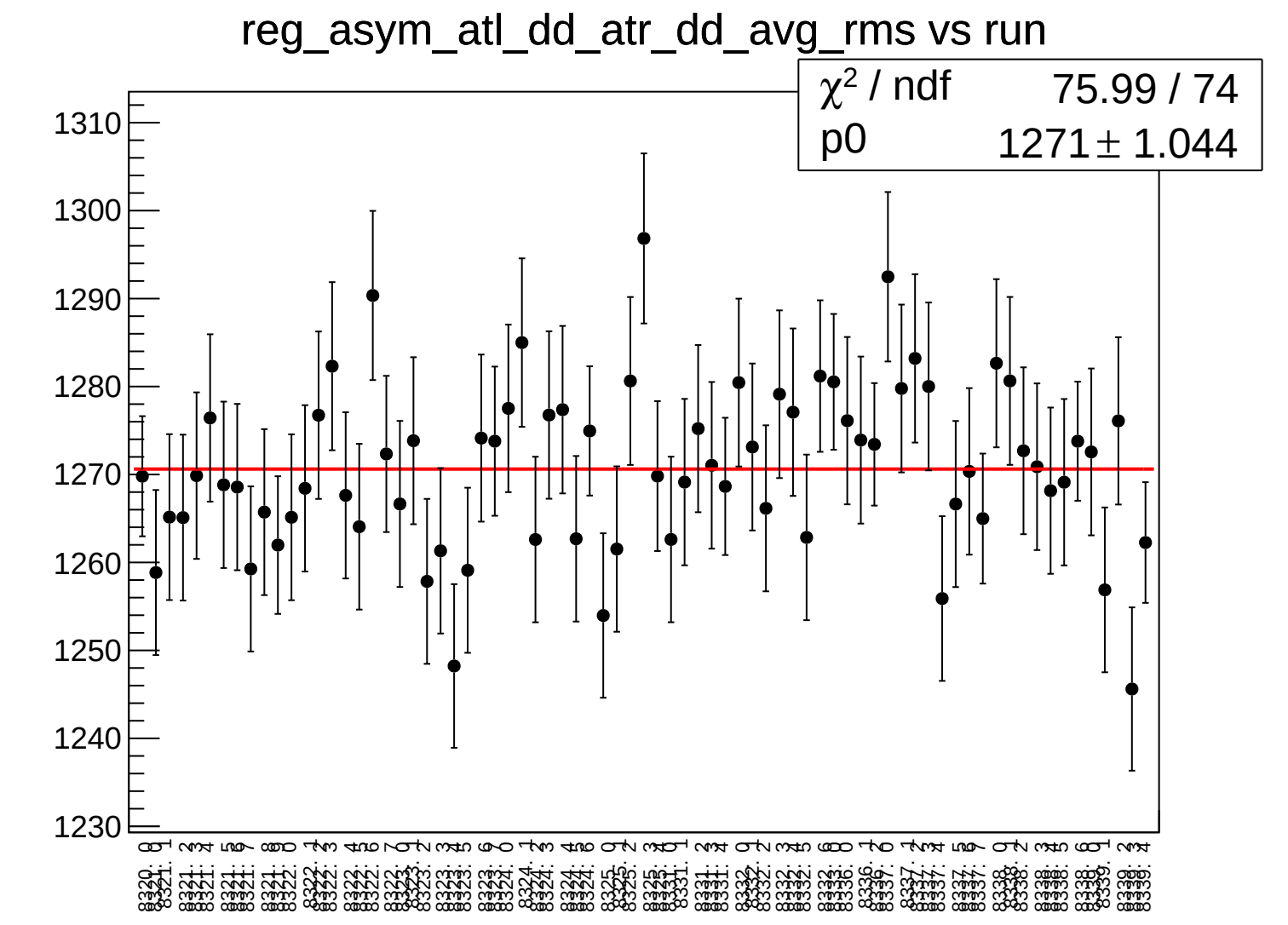

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.94 / 74
p0 9.032e−14 ± 2.759e−13
pull
Entries 75
Mean −368.6
Std Dev 0

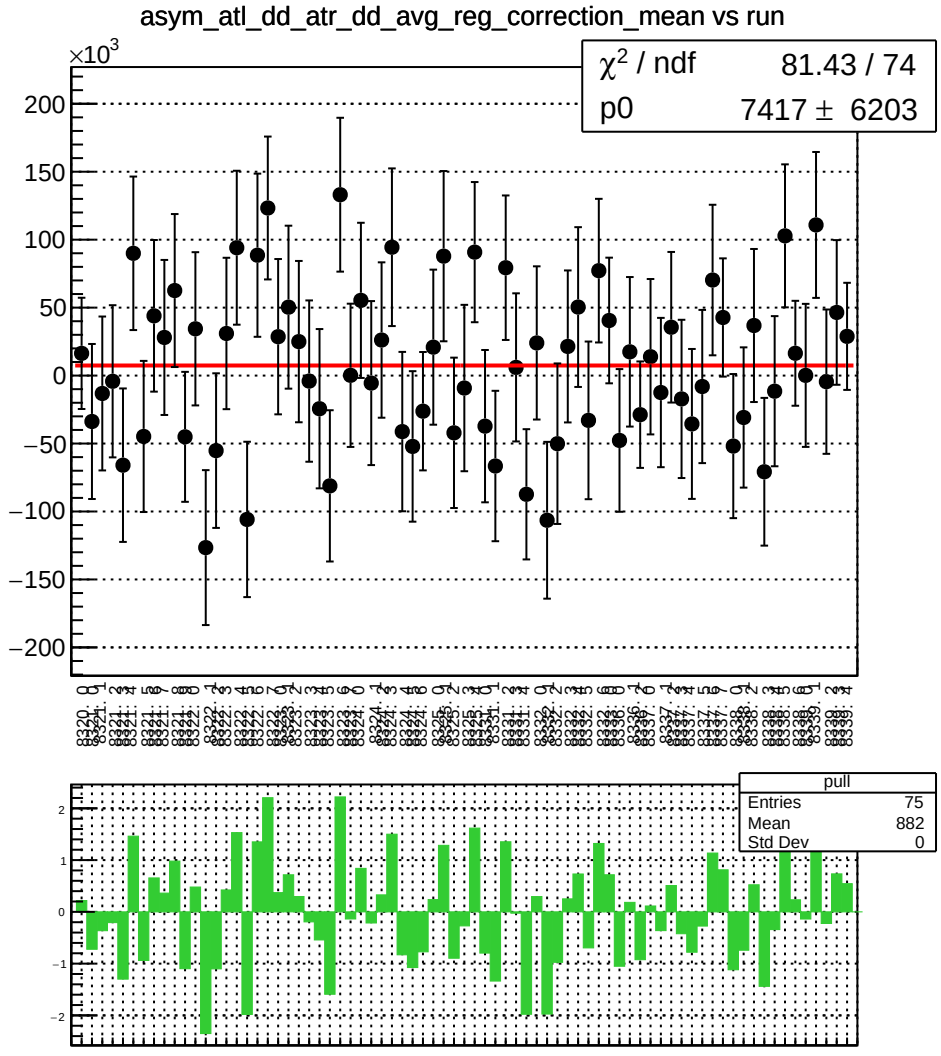

pull1D
Entries 75
Mean −0.01706
Std Dev 1.143

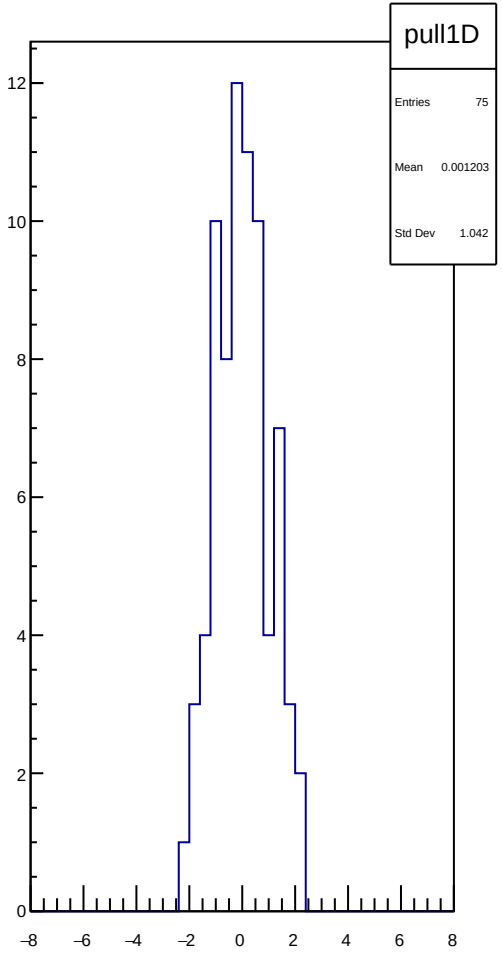

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.641e+05 / 74
p0 1.966e−10 ± 1.951e−13
1.4
1.2
1
0.8
0.6
0.4
0.2

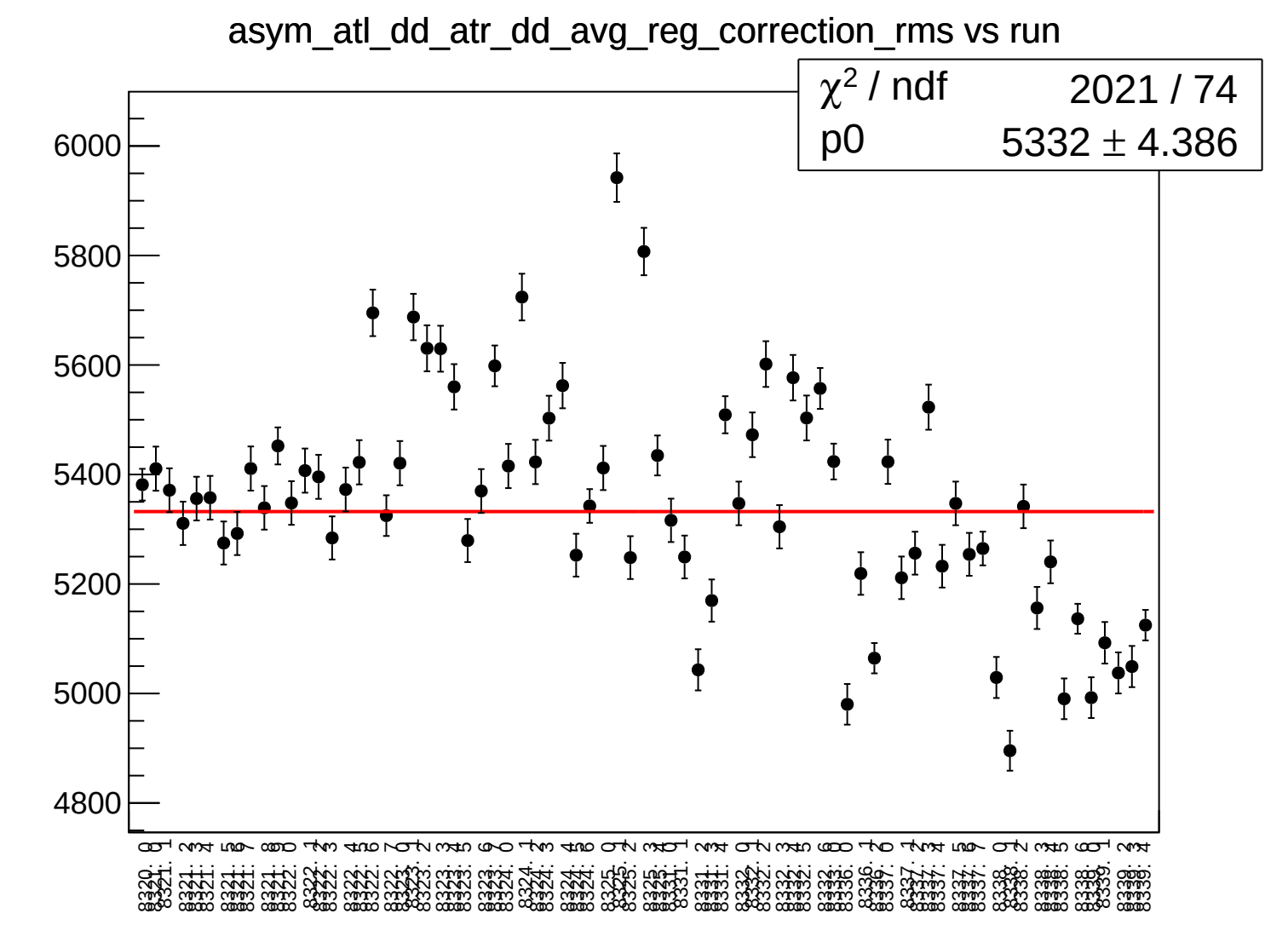

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.21 / 74
p0 −1523 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

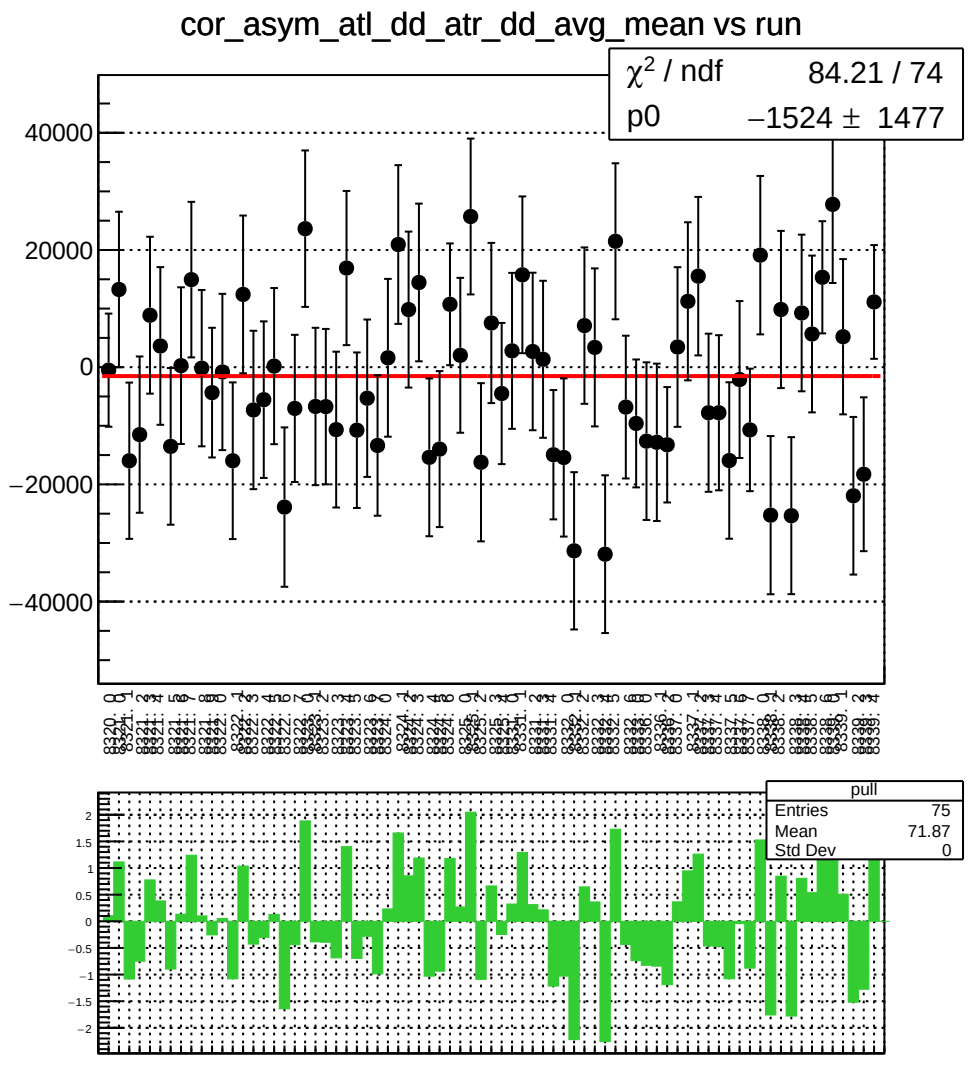

pull1D
Entries 75
Mean −0.003297
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

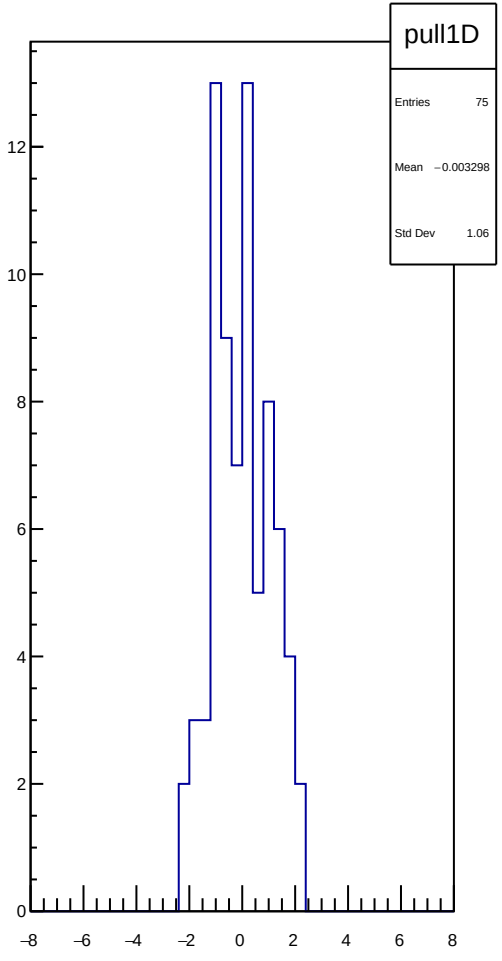

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

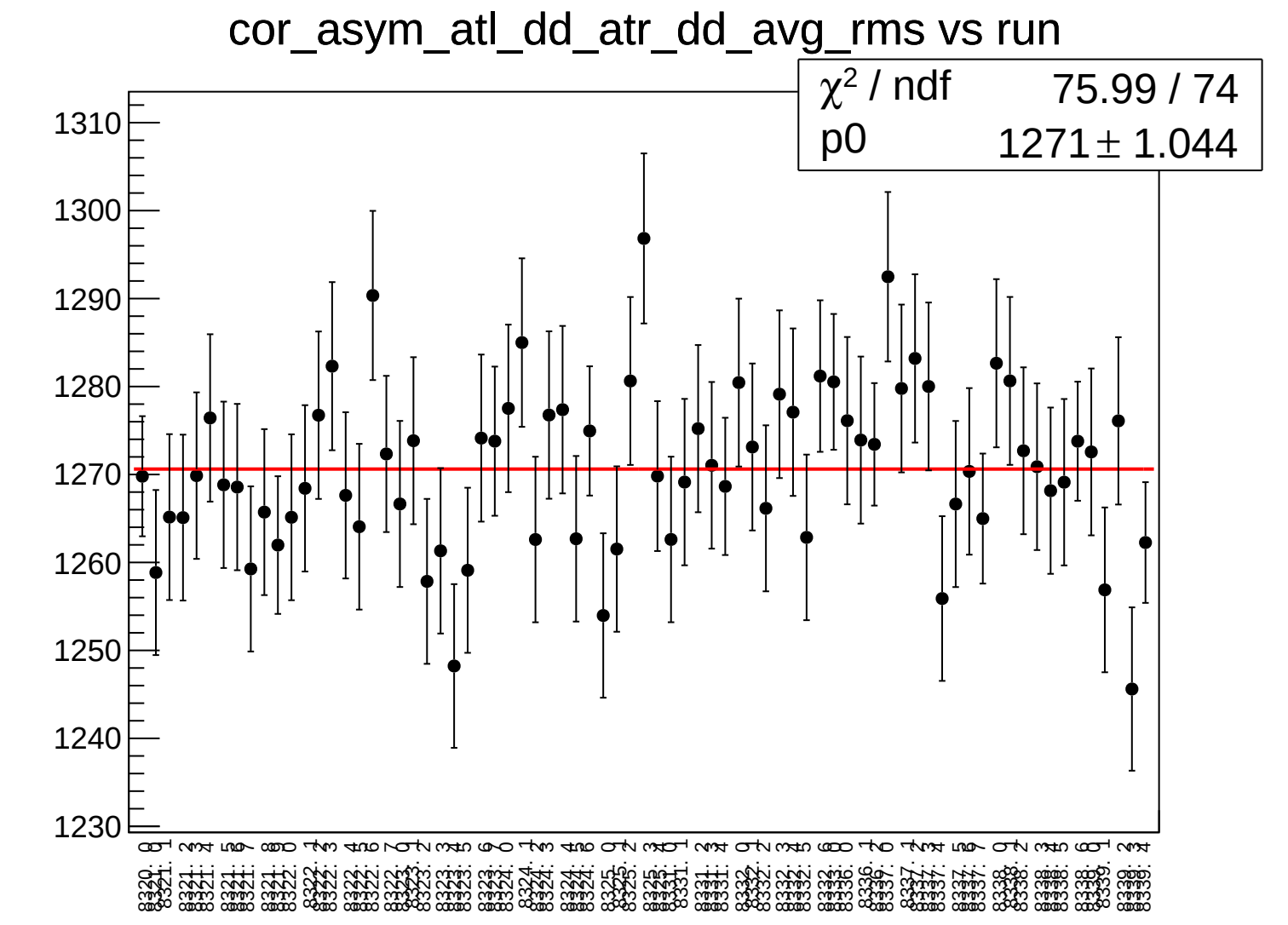

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 882
Std Dev 0

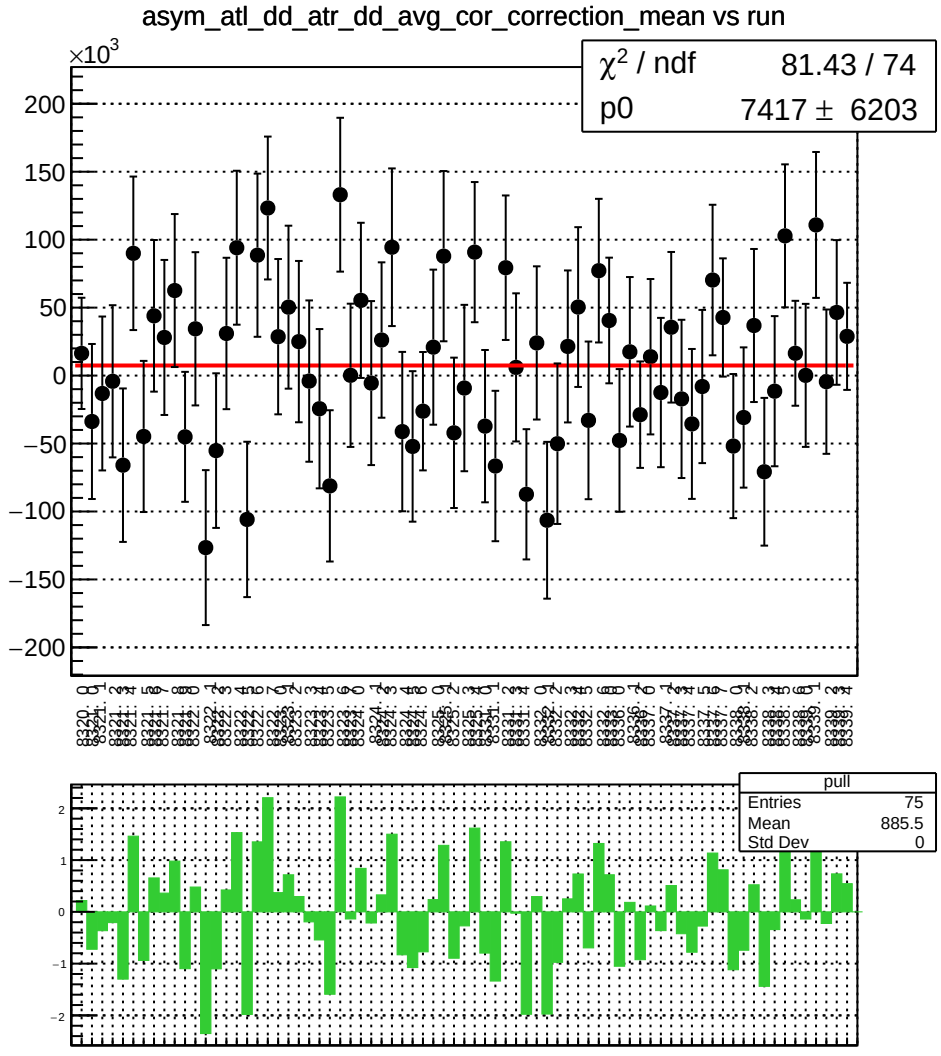

pull1D
Entries 75
Mean 0.001203
Std Dev 1.042

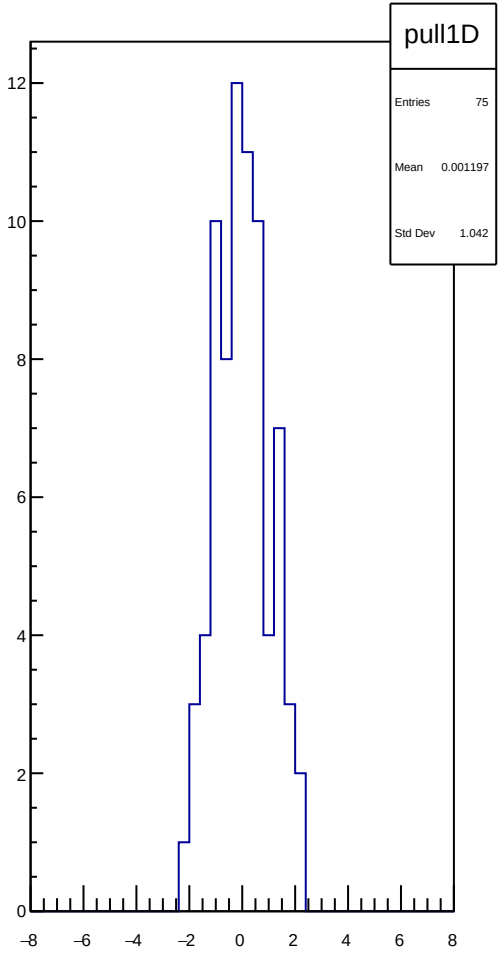

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

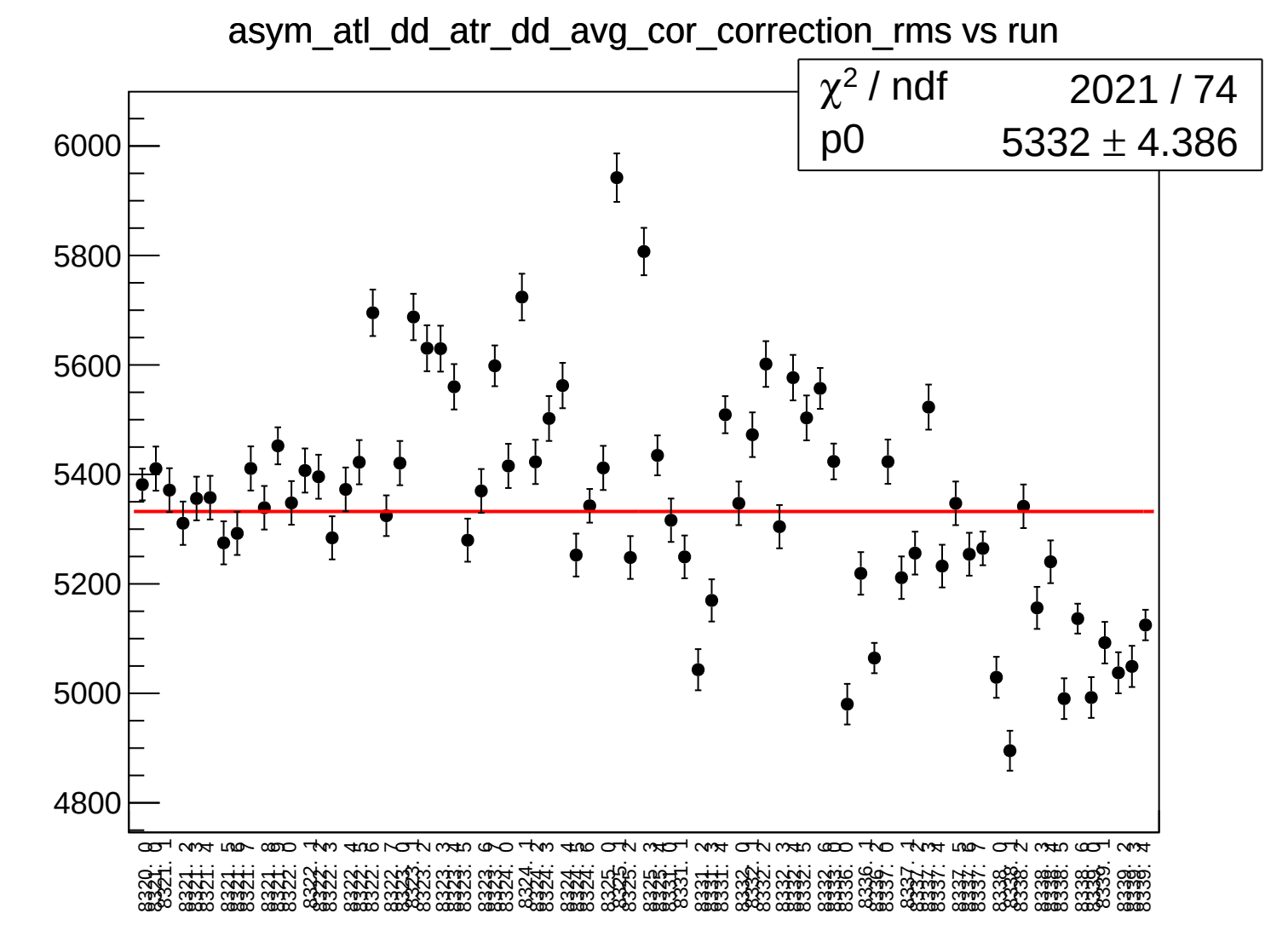

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.21 / 74
p0 −1524 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

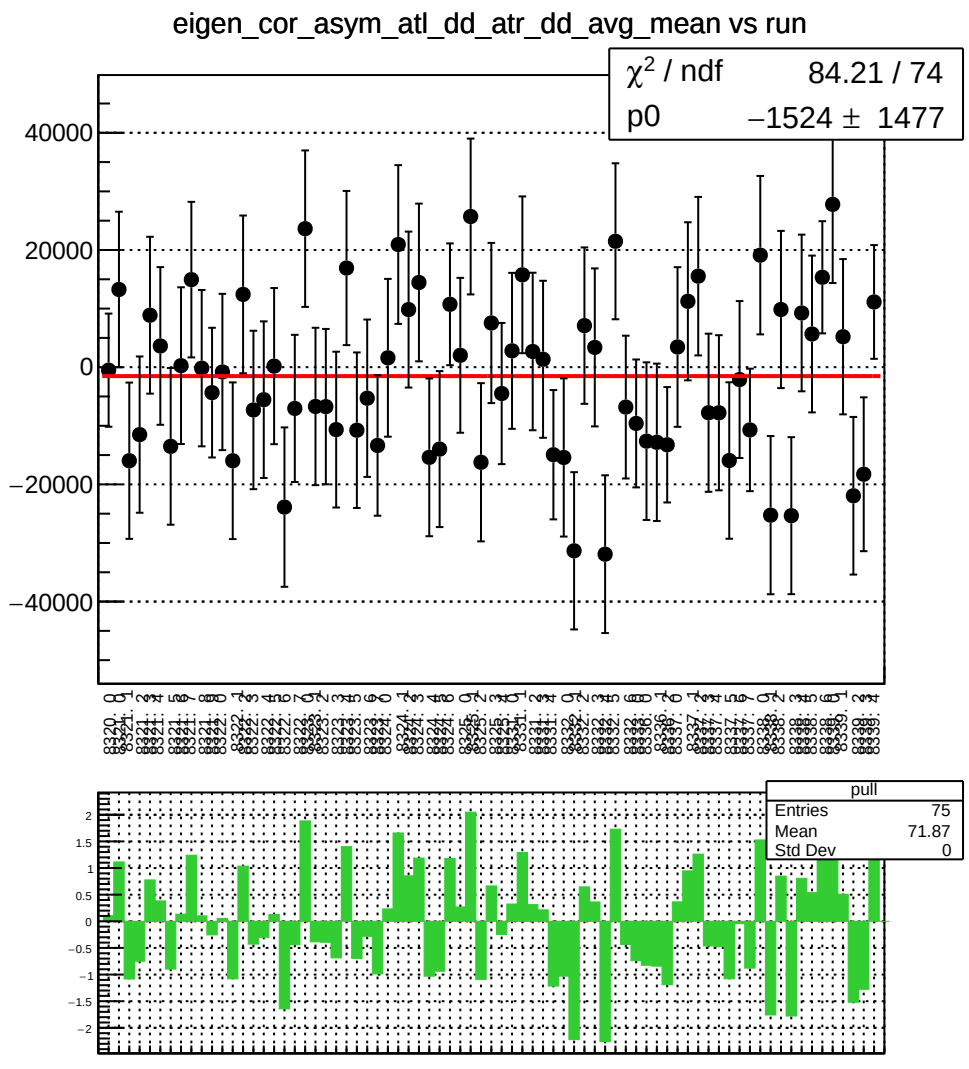

pull1D
Entries 75
Mean −0.003298
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

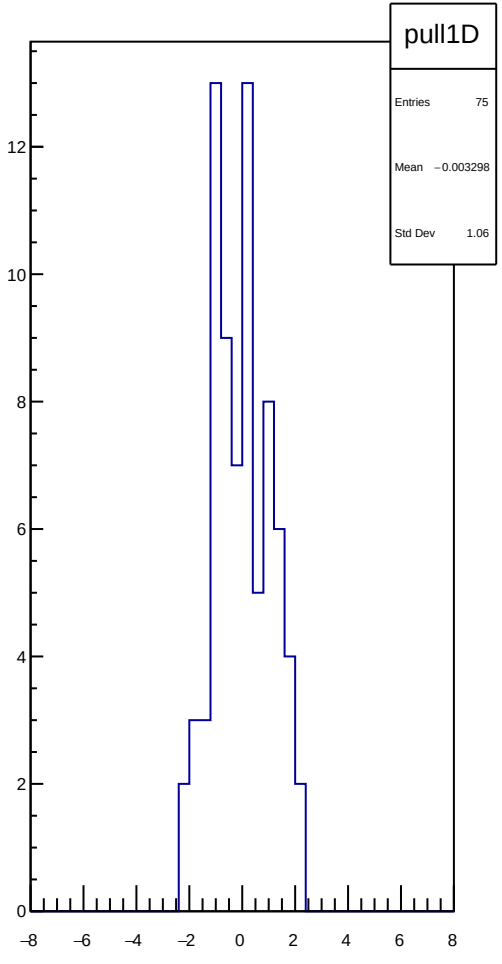

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

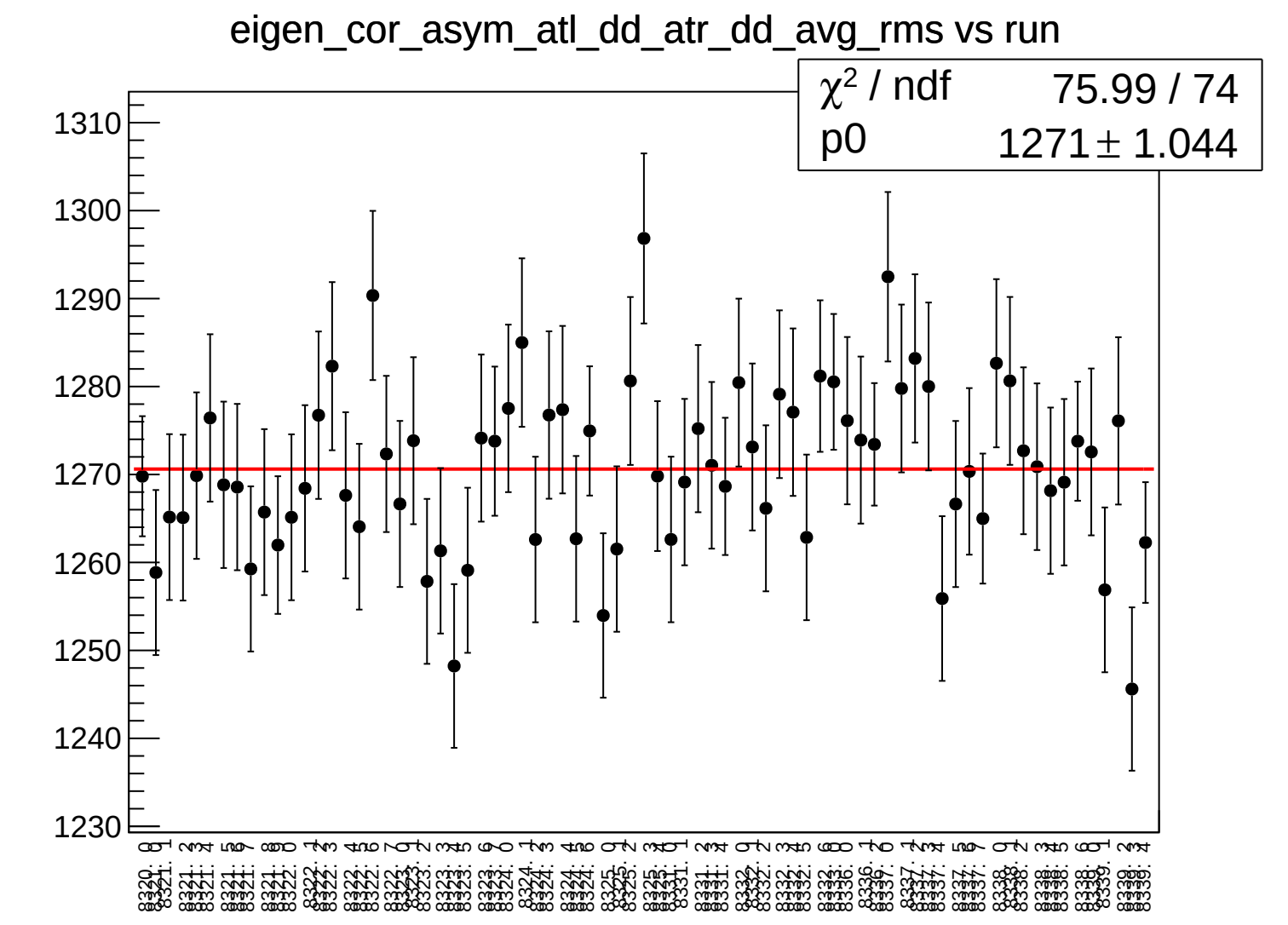

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 885.5
Std Dev 0

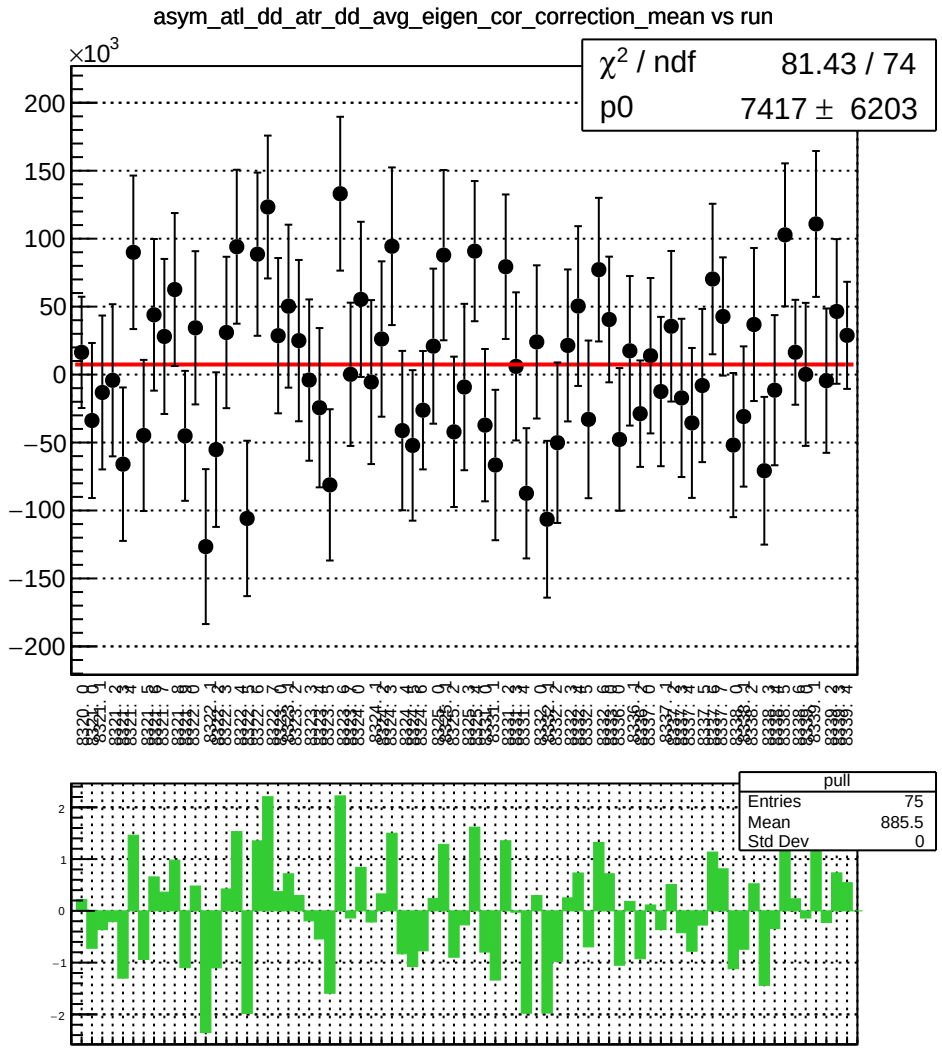

pull1D
Entries 75
Mean 0.001197
Std Dev 1.042

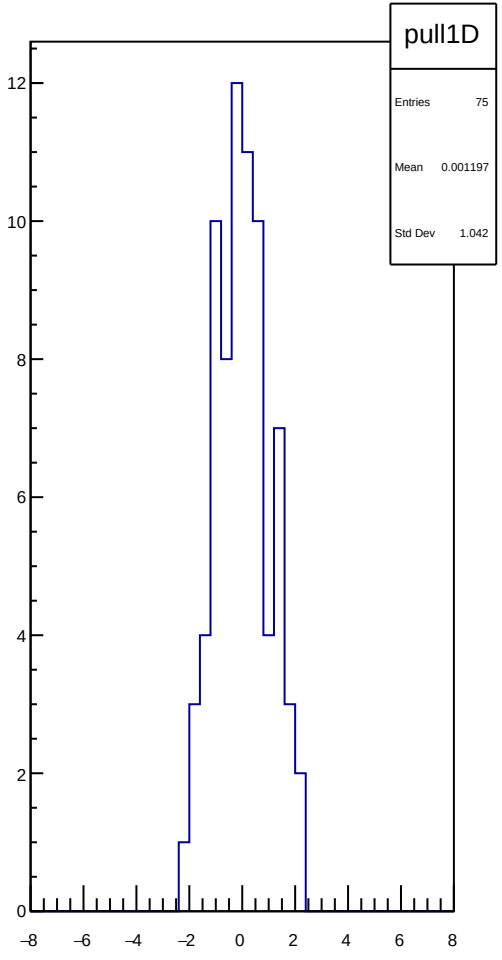

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

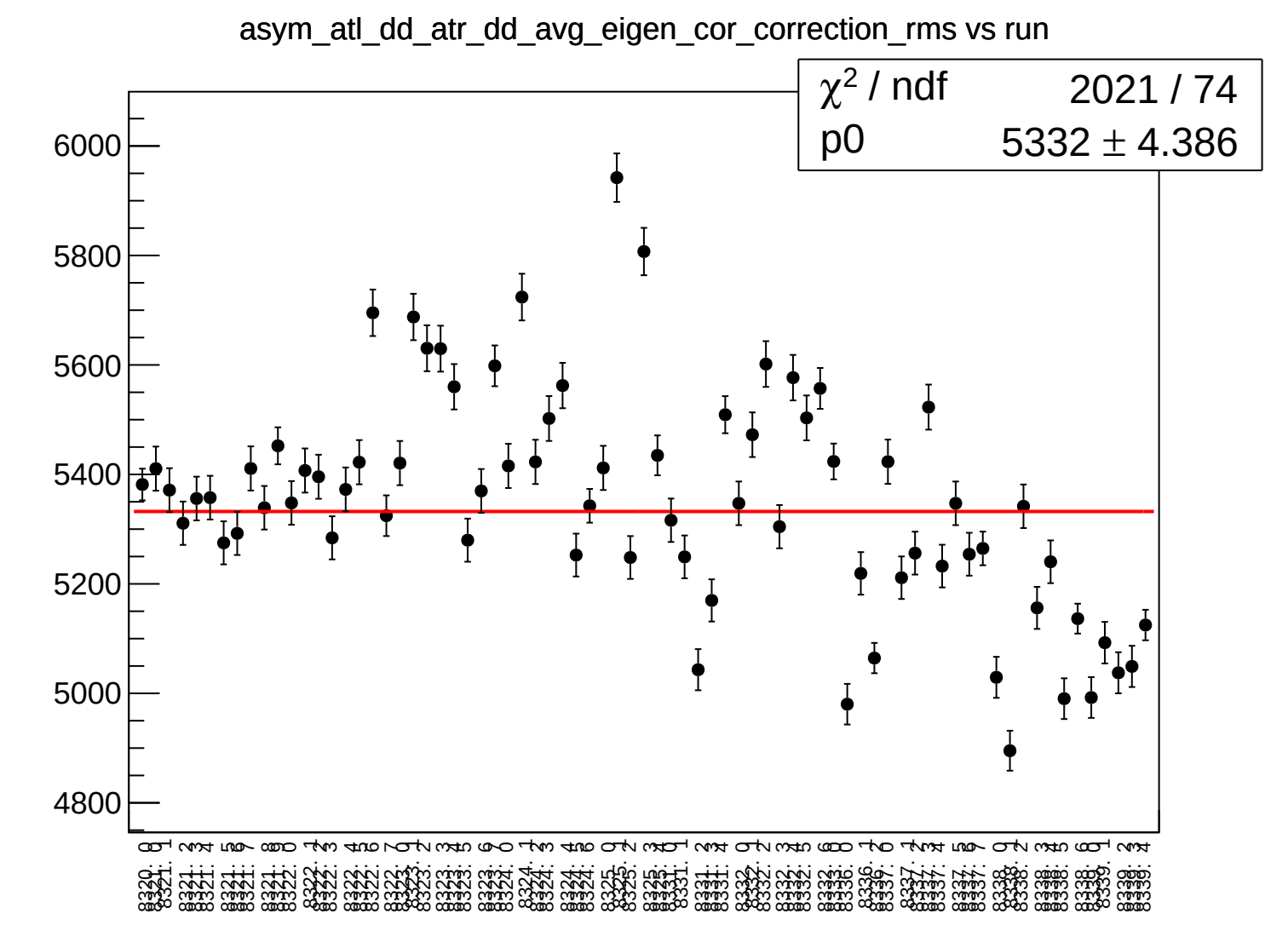

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 84.21 / 74
p0 −1524 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

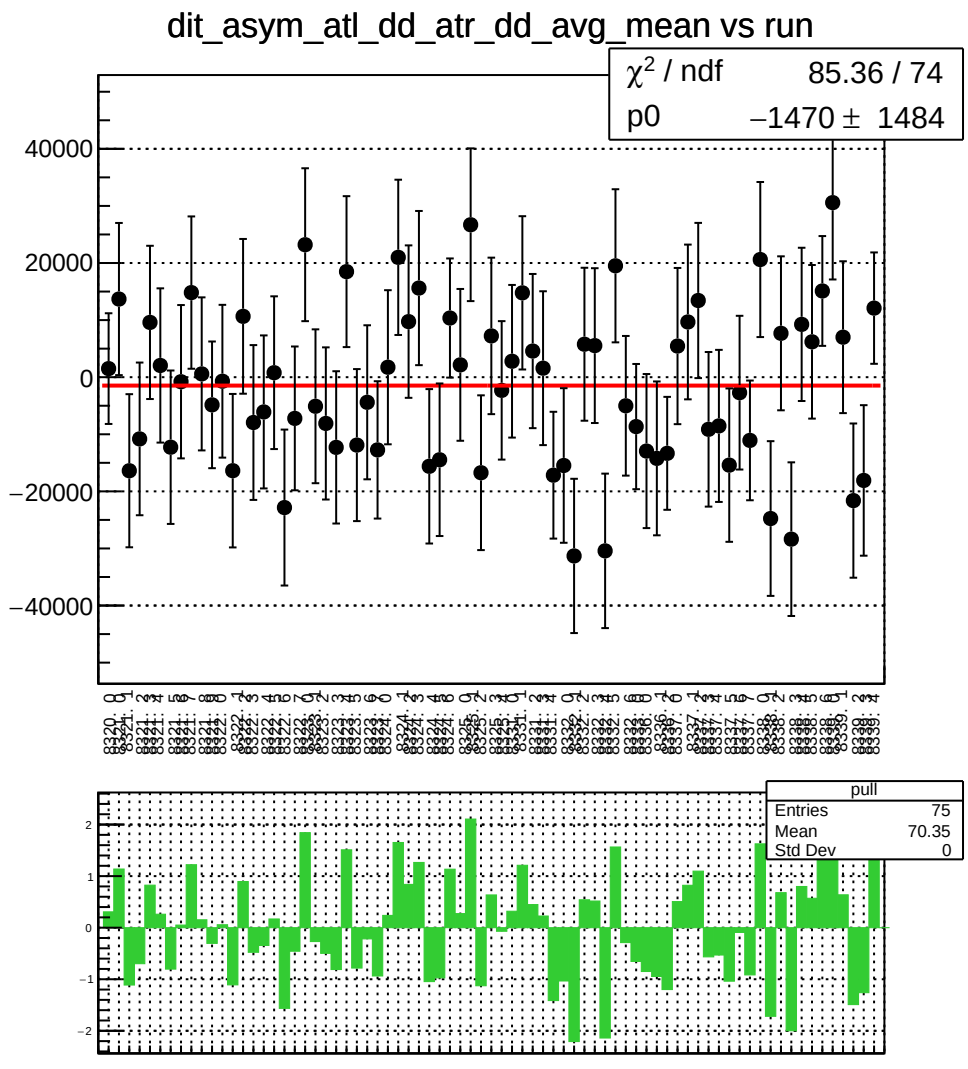

pull1D
Entries 75
Mean −0.003298
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

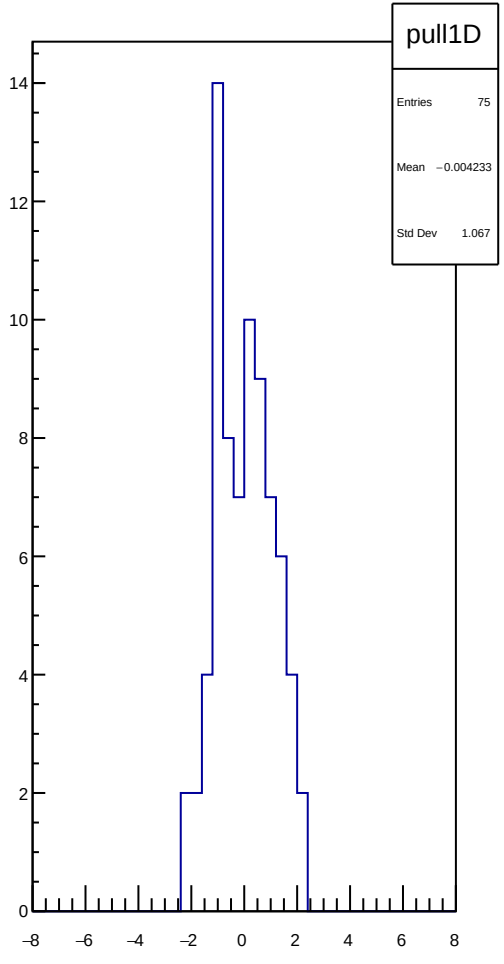

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

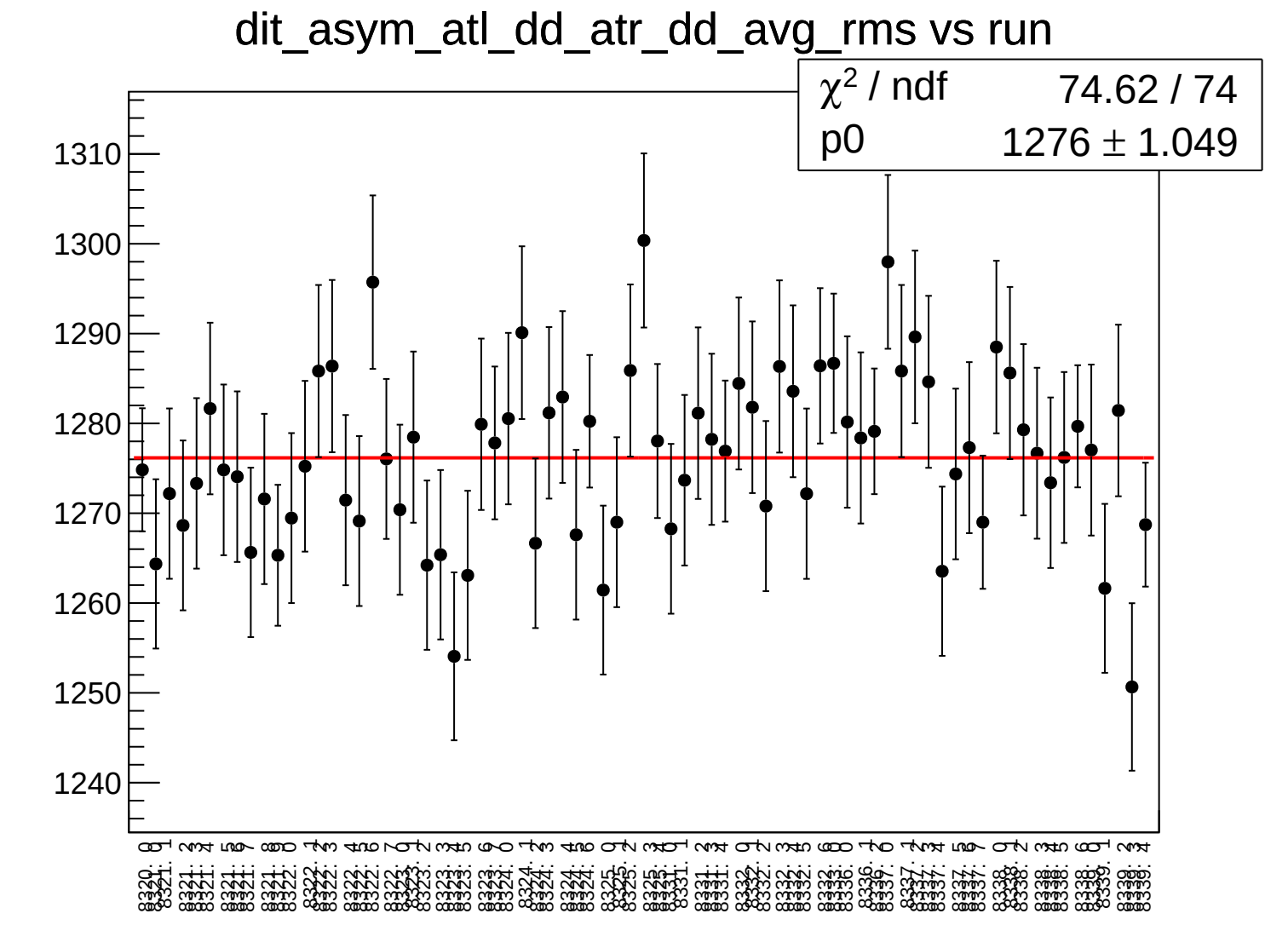

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 885.5
Std Dev 0

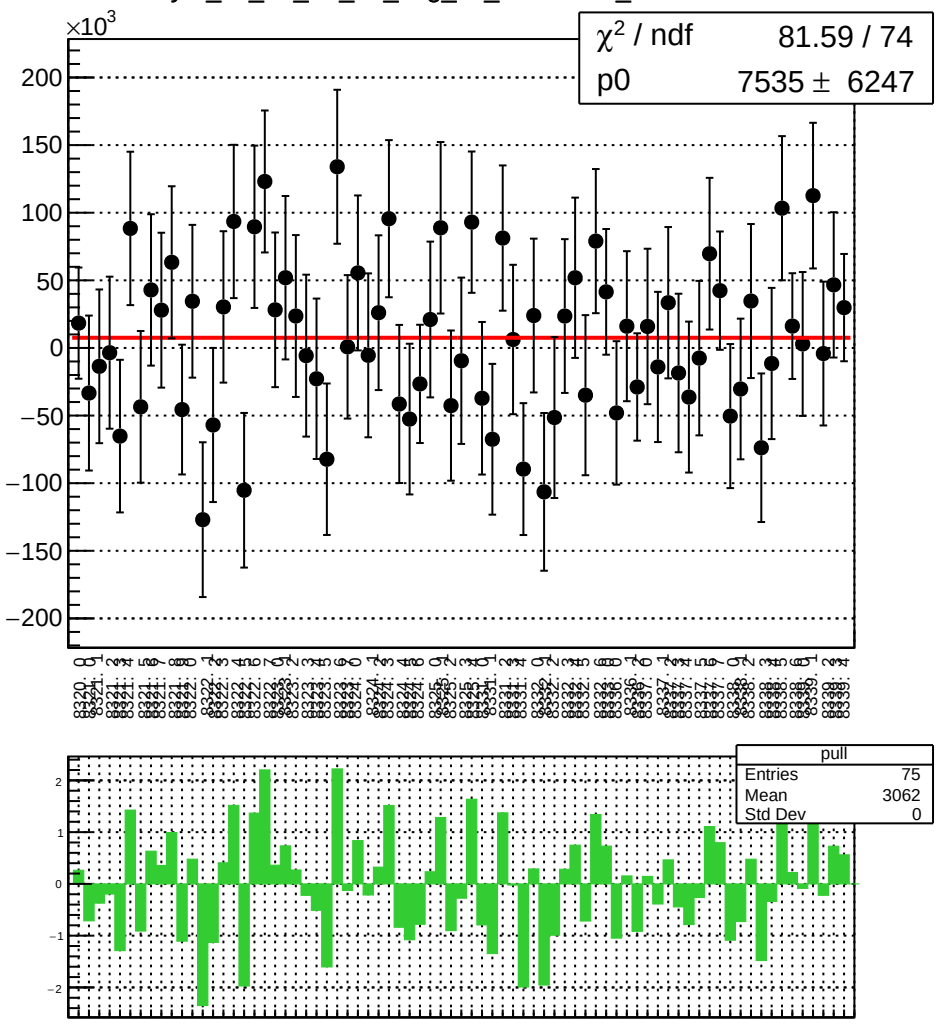

pull1D
Entries 75
Mean 0.001197
Std Dev 1.042

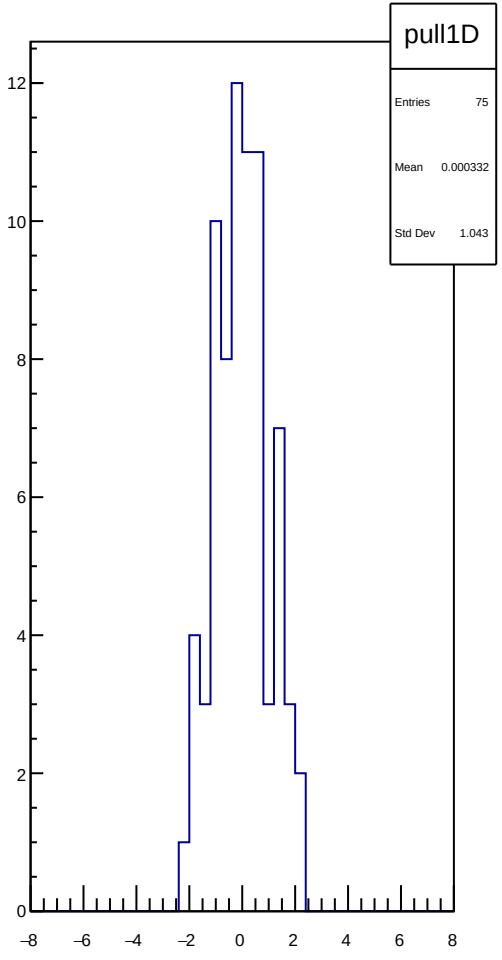

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

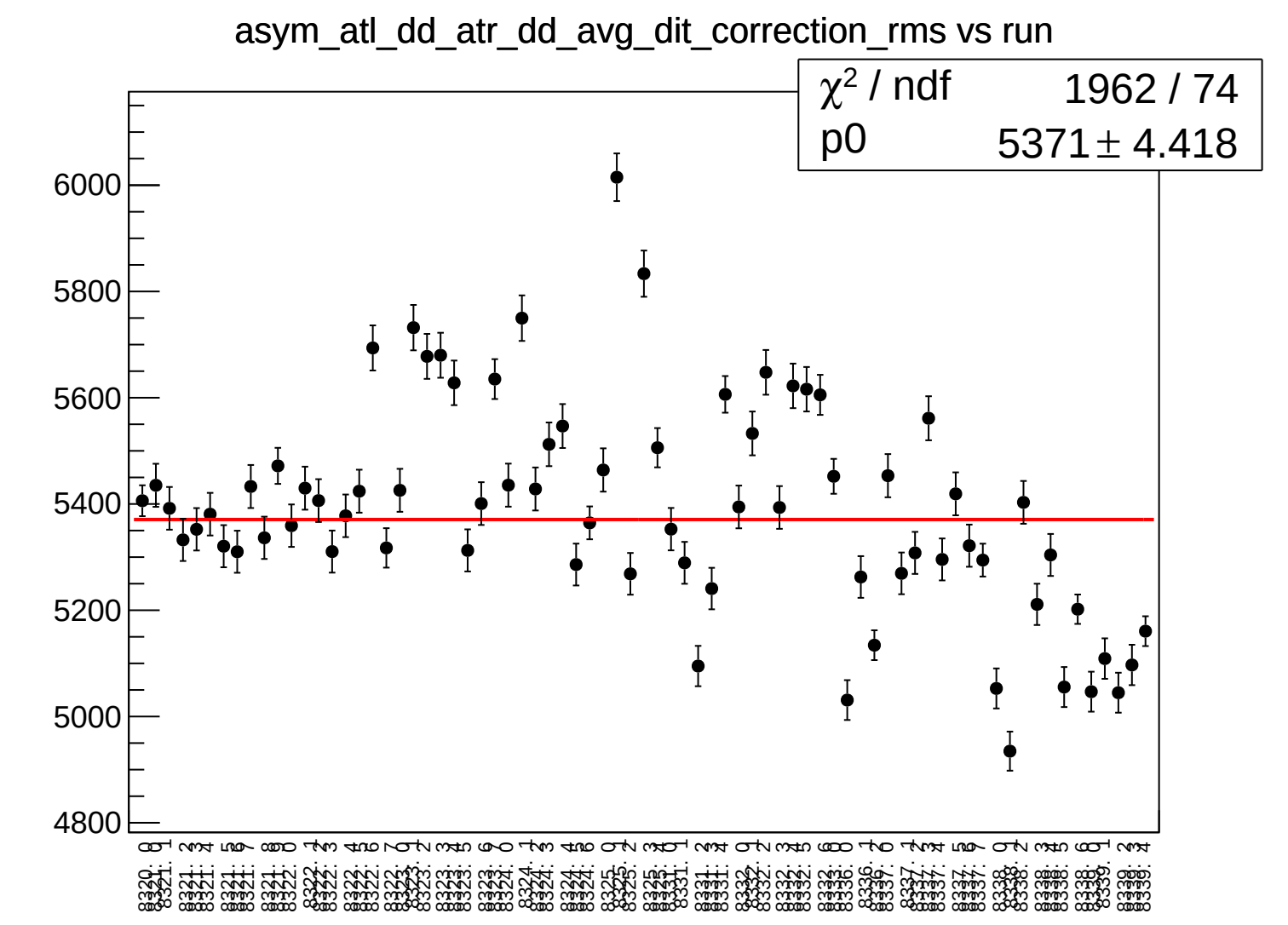

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 85.36 / 74
p0 −1470 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 70.35
Std Dev 0
2
1
0
−1
−2

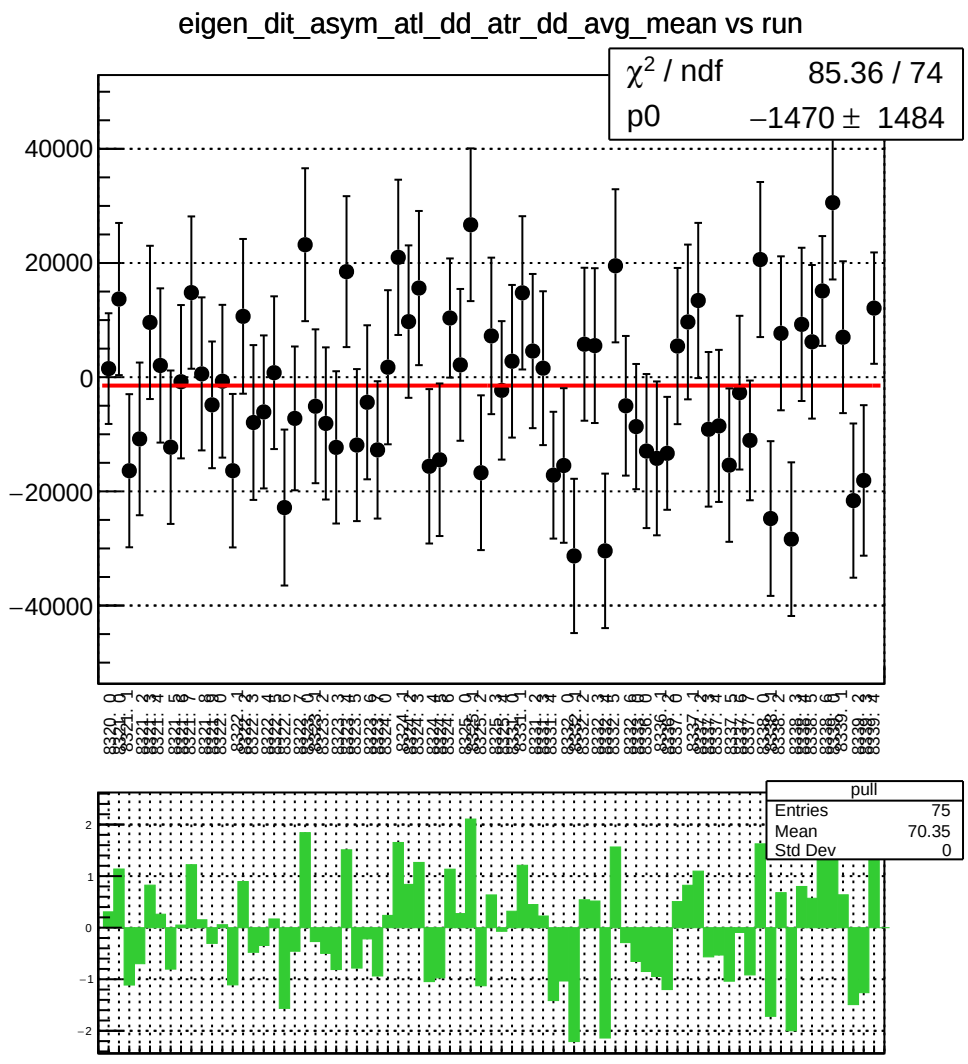

pull1D
Entries 75
Mean −0.004233
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

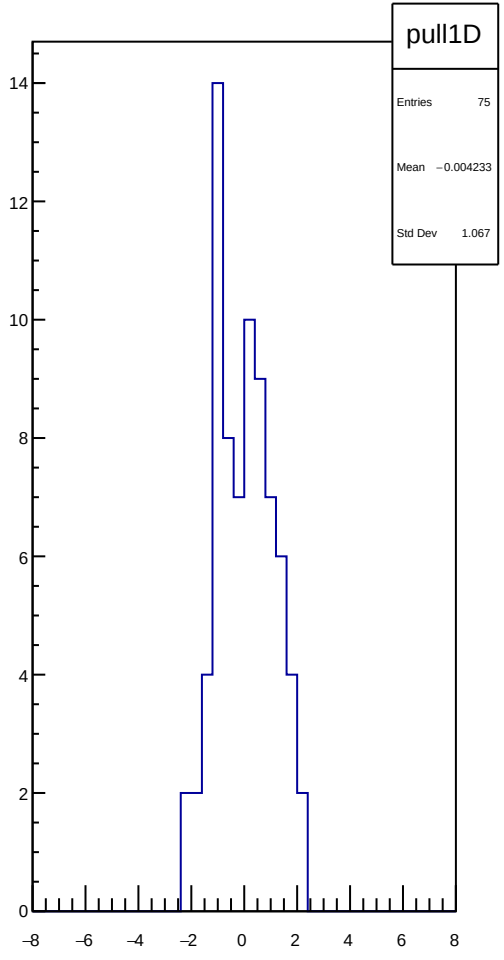

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 74.62 / 74
p0 1276 ± 1.049
1310
1300
1290
1280
1270
1260
1250
1240

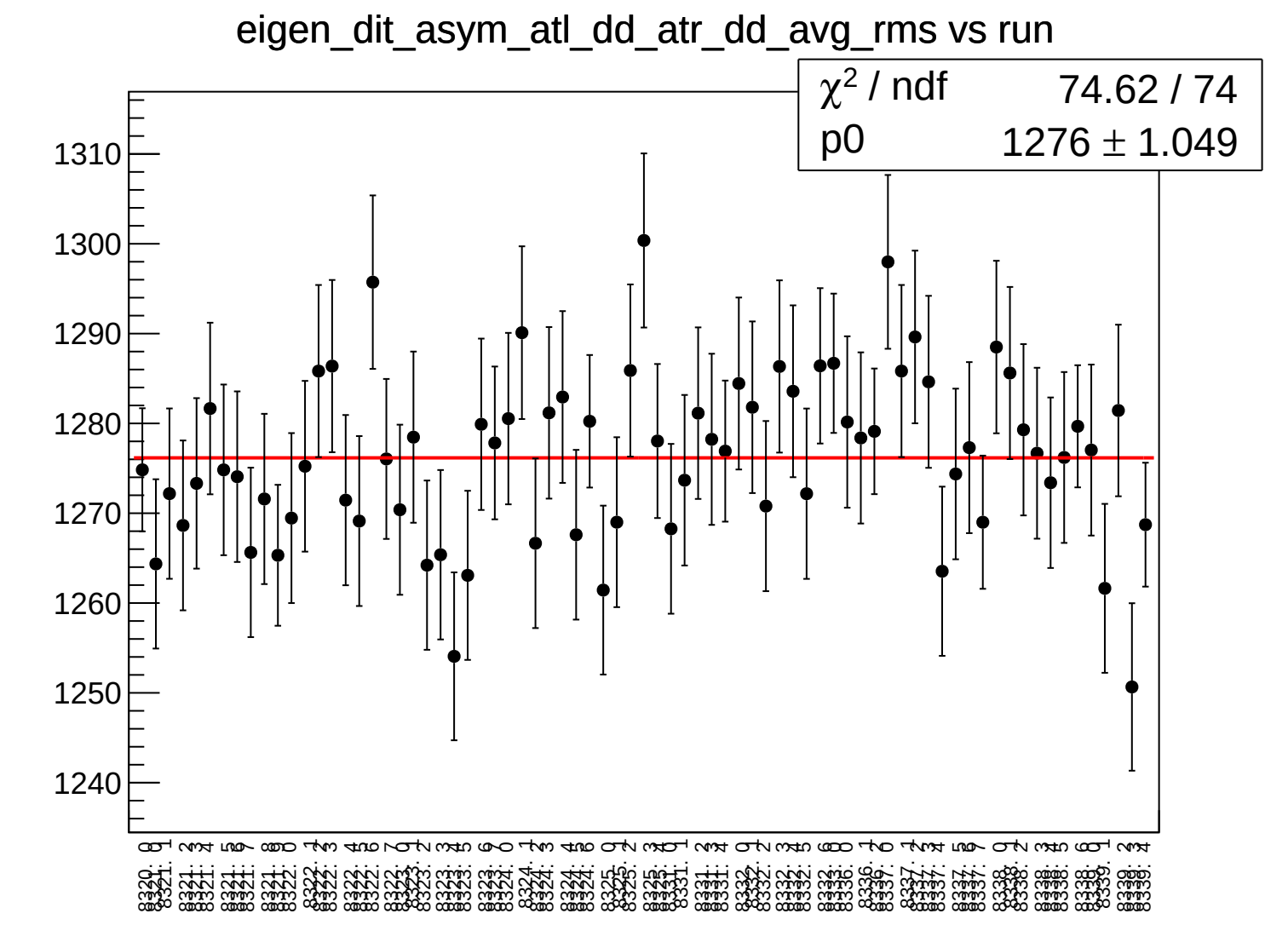

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.59 / 74
p0 7535 ± 6247
pull
Entries 75
Mean 3062
Std Dev 0

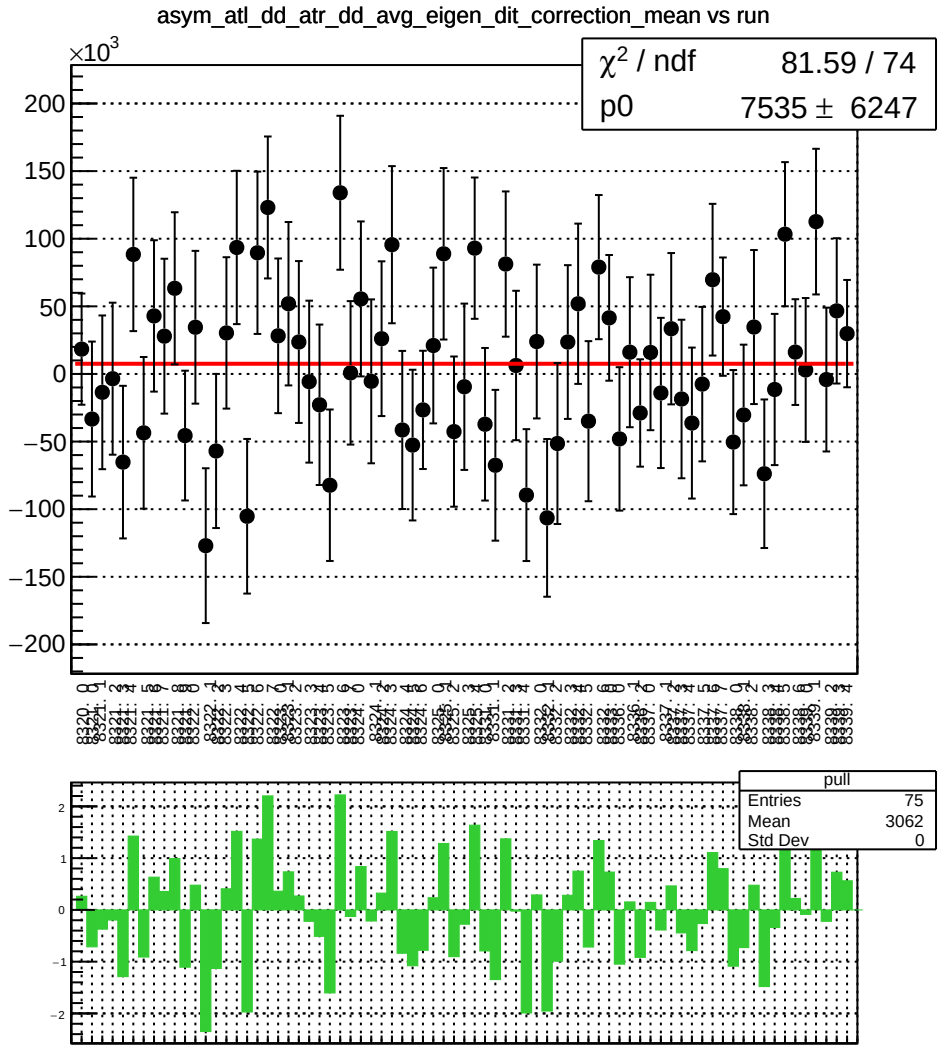

pull1D
Entries 75
Mean 0.000332
Std Dev 1.043

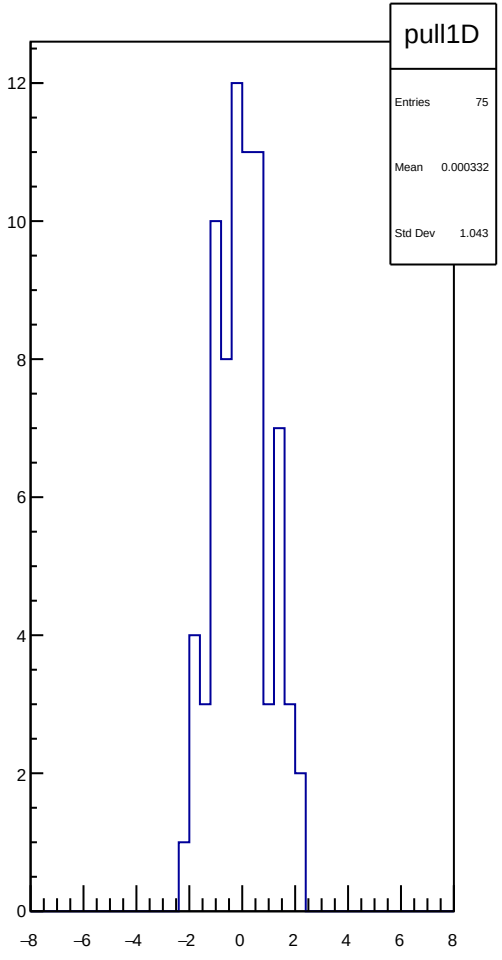

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 1962 / 74
p0 5371 ± 4.418
6000
5800
5600
5400
5200
5000
4800

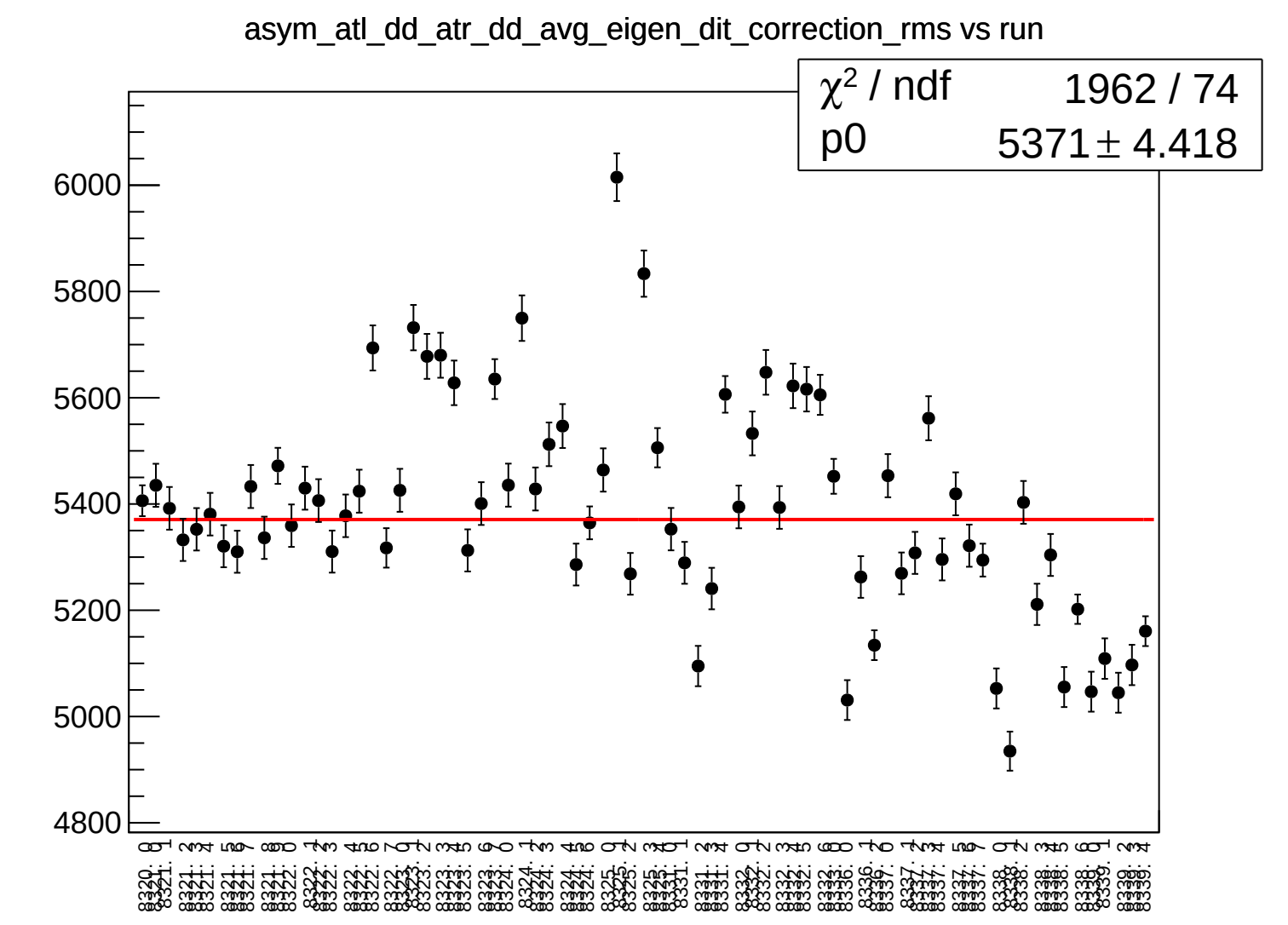

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 85.36 / 74
p0 −1470 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 70.35
Std Dev 0
2
1
0
−1
−2

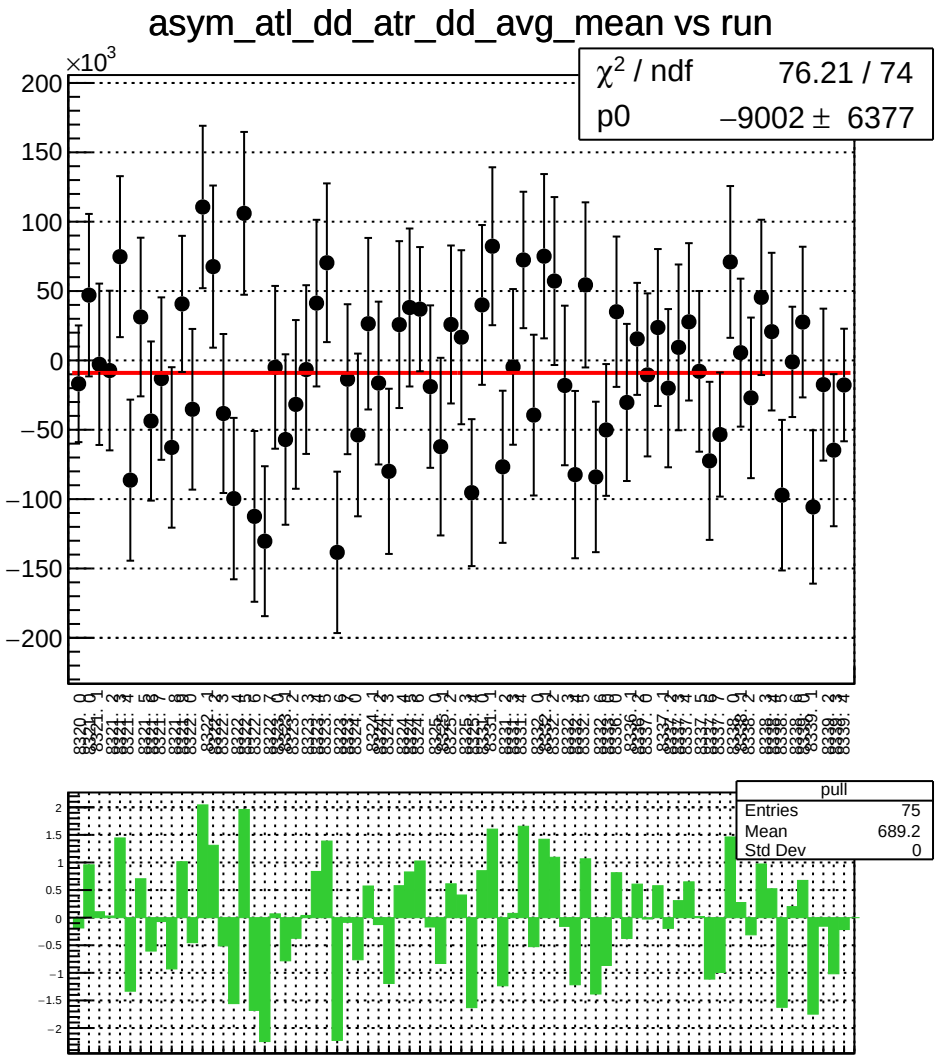

pull1D
Entries 75
Mean −0.004233
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

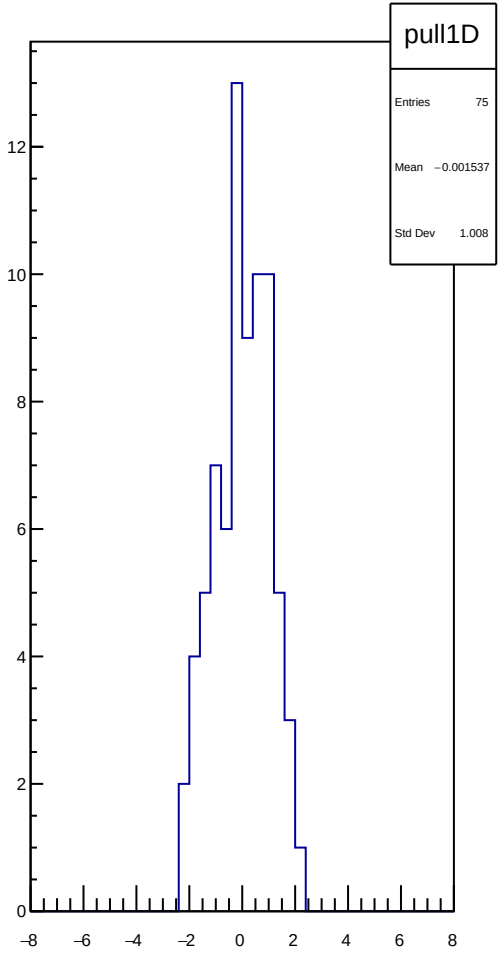

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 74.62 / 74
p0 1276 ± 1.049
1310
1300
1290
1280
1270
1260
1250
1240

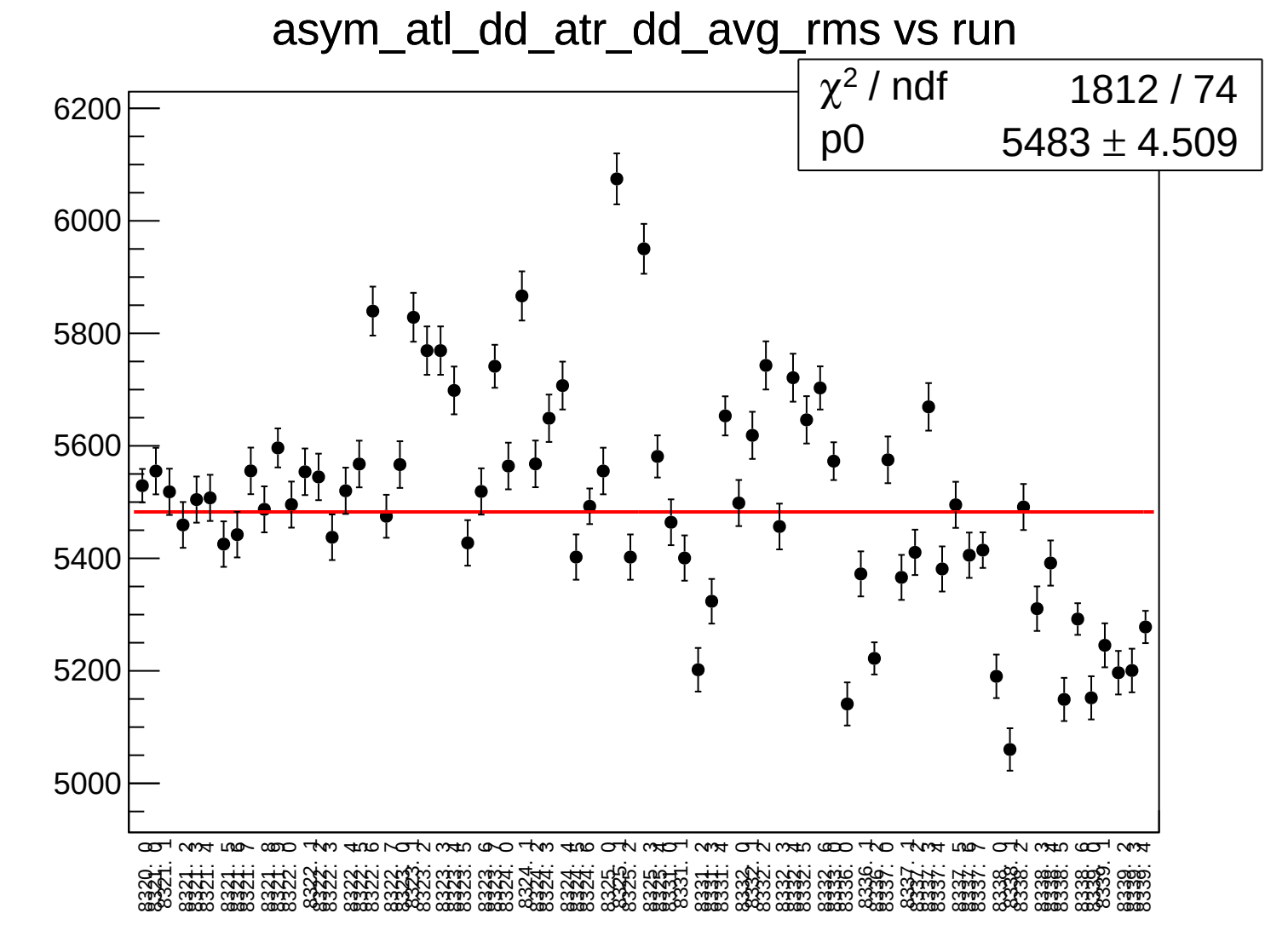

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.59 / 74
p0 7535 ± 6247
pull
Entries 75
Mean 3062
Std Dev 0

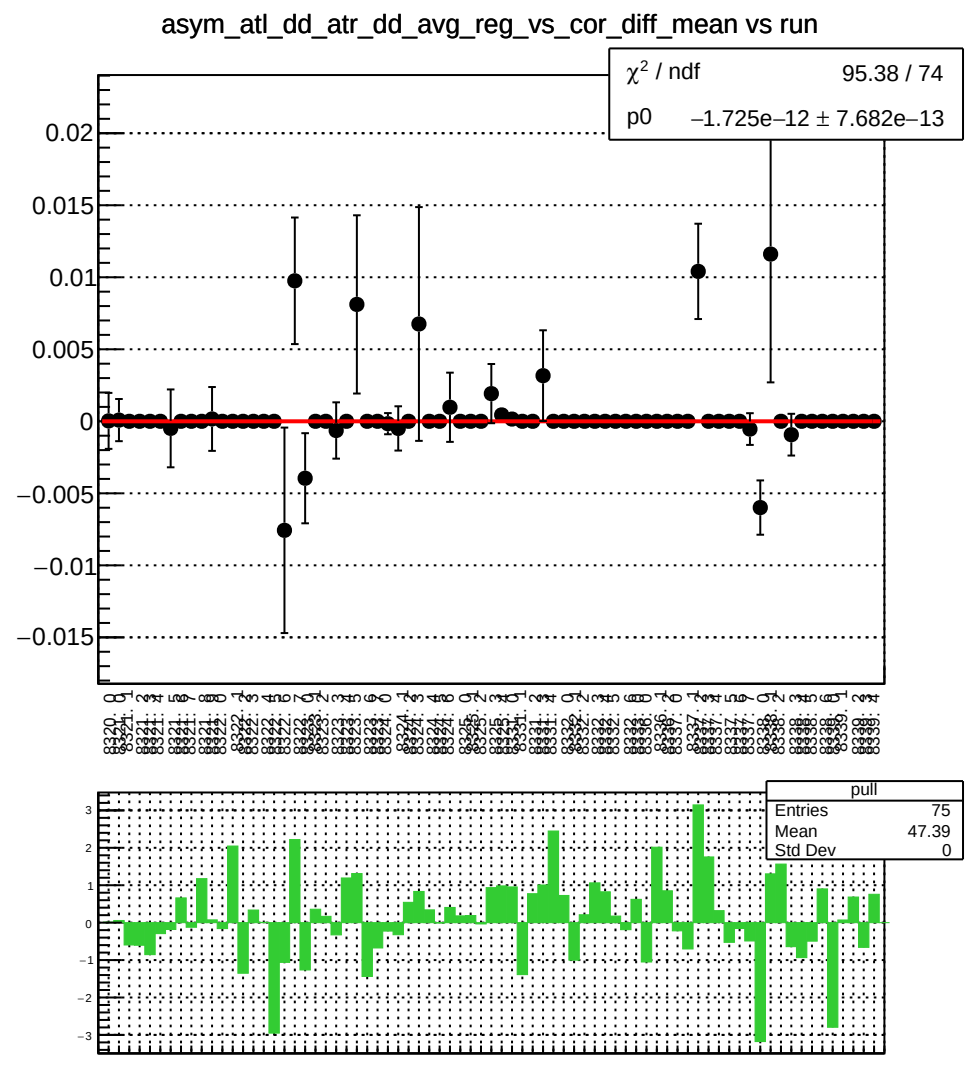

pull1D
Entries 75
Mean 0.000332
Std Dev 1.043

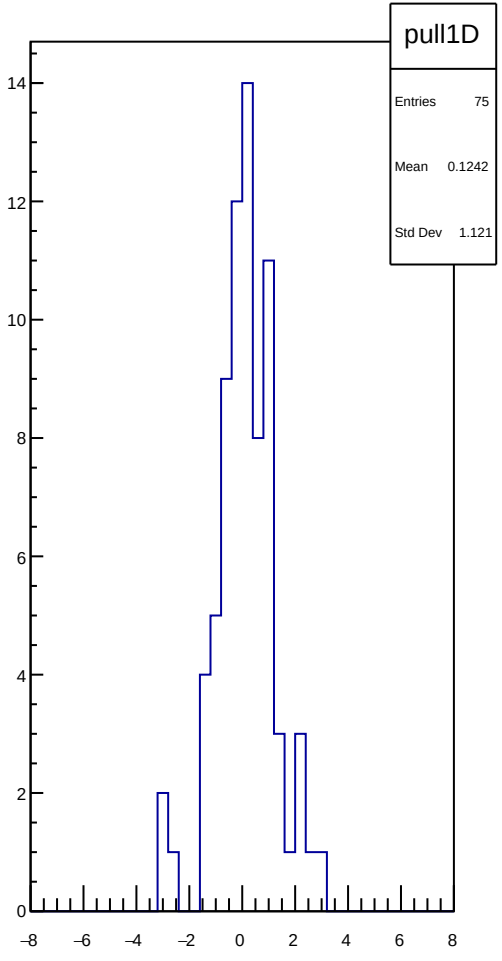

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1962 / 74
p0 5371 ± 4.418
6000
5800
5600
5400
5200
5000
4800

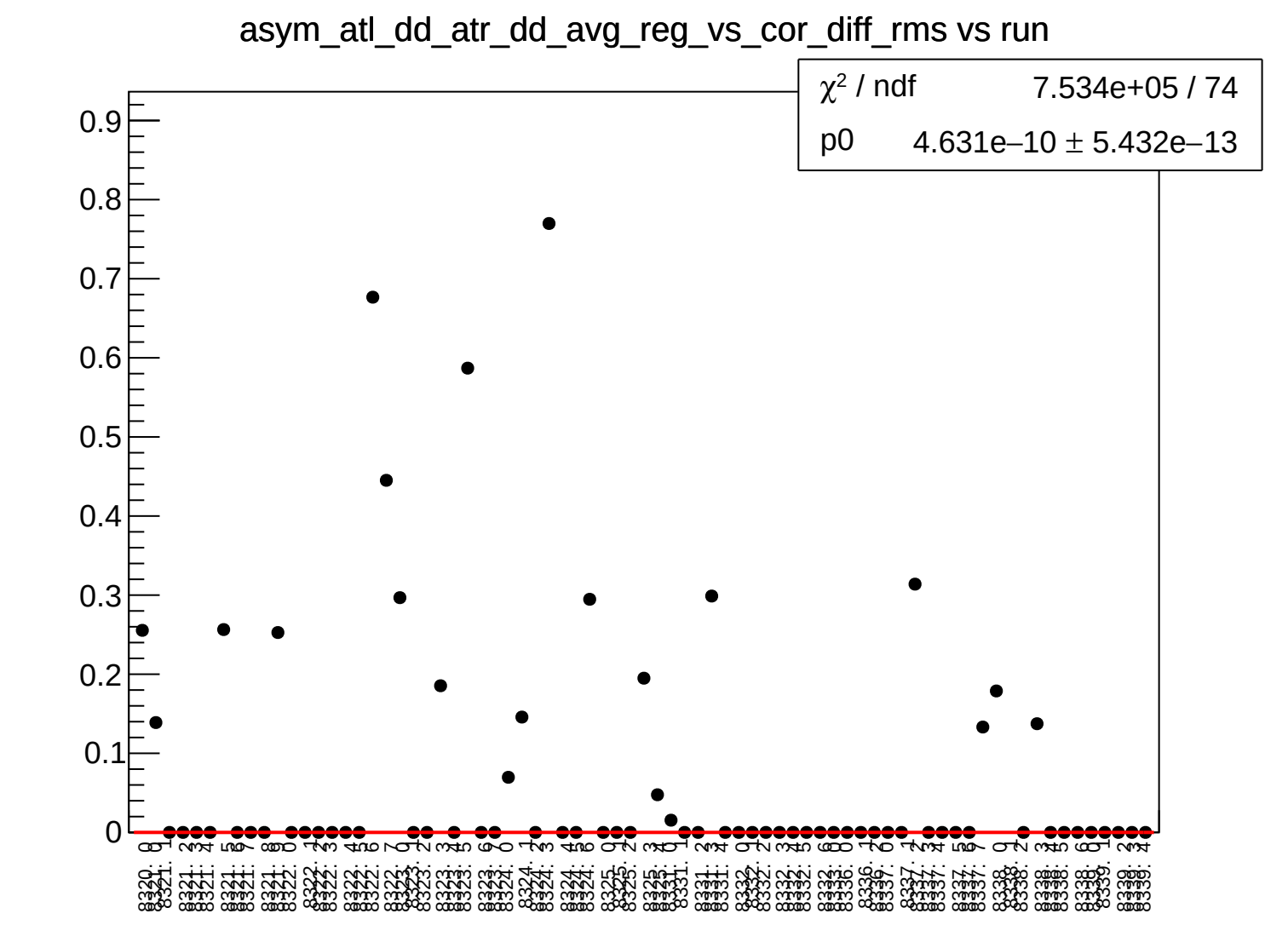

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 76.21 / 74
p0 −9002 ± 6377
×10³
pull
Entries 75
Mean 689.2
Std Dev 0

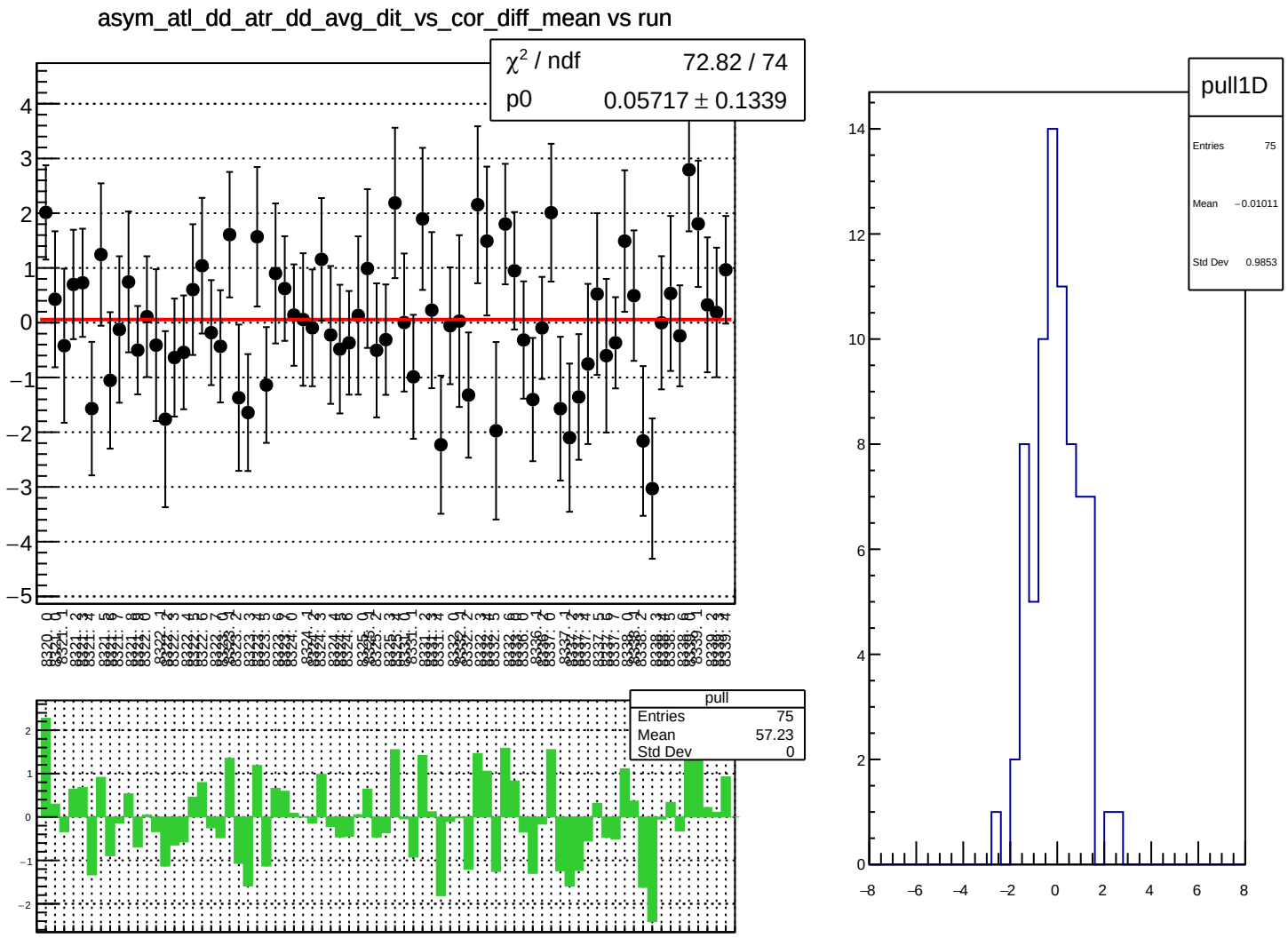

pull1D
Entries 75
Mean −0.001537
Std Dev 1.008

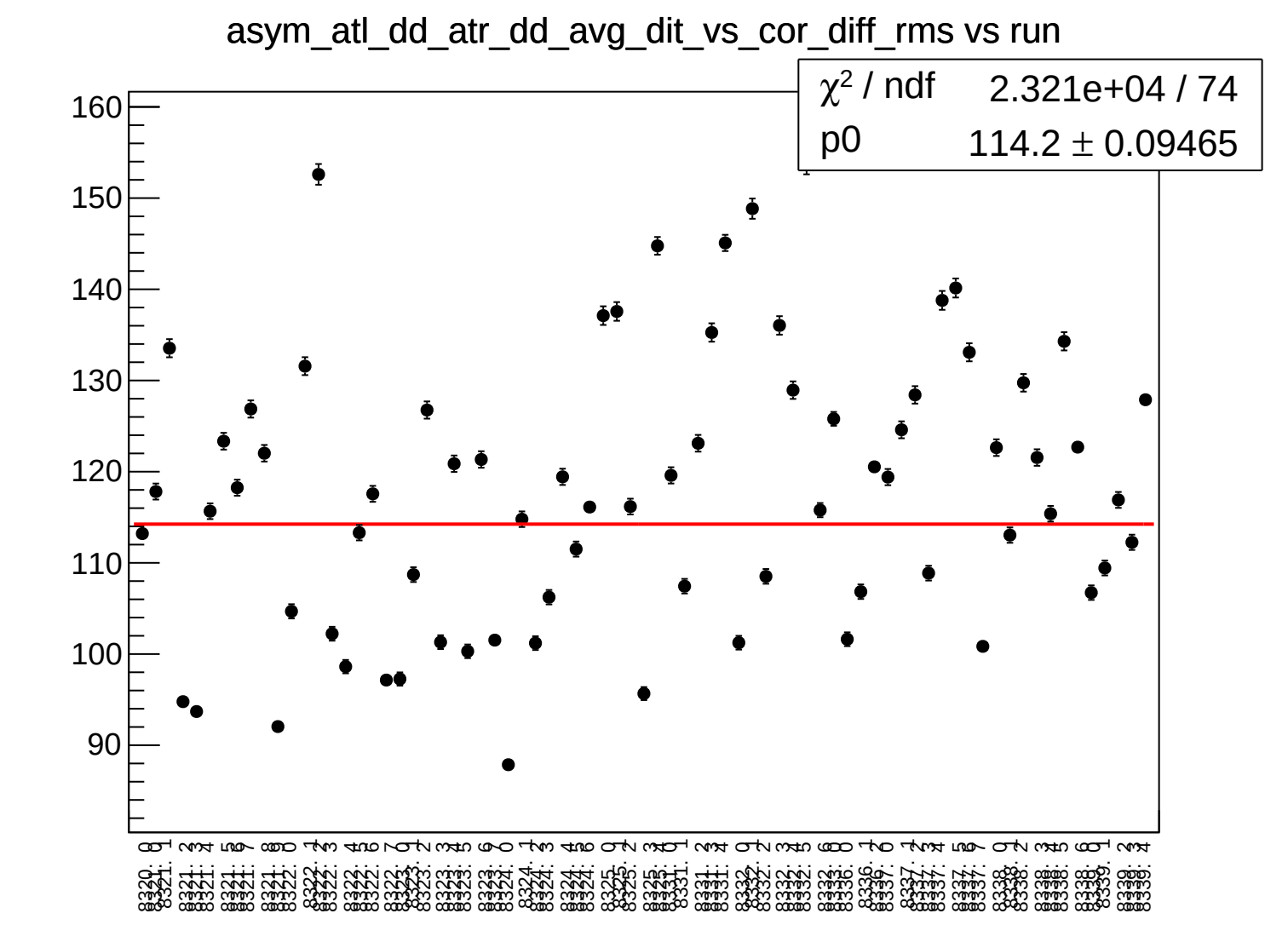

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1812 / 74
p0 5483 ± 4.509
6200
6000
5800
5600
5400
5200
5000

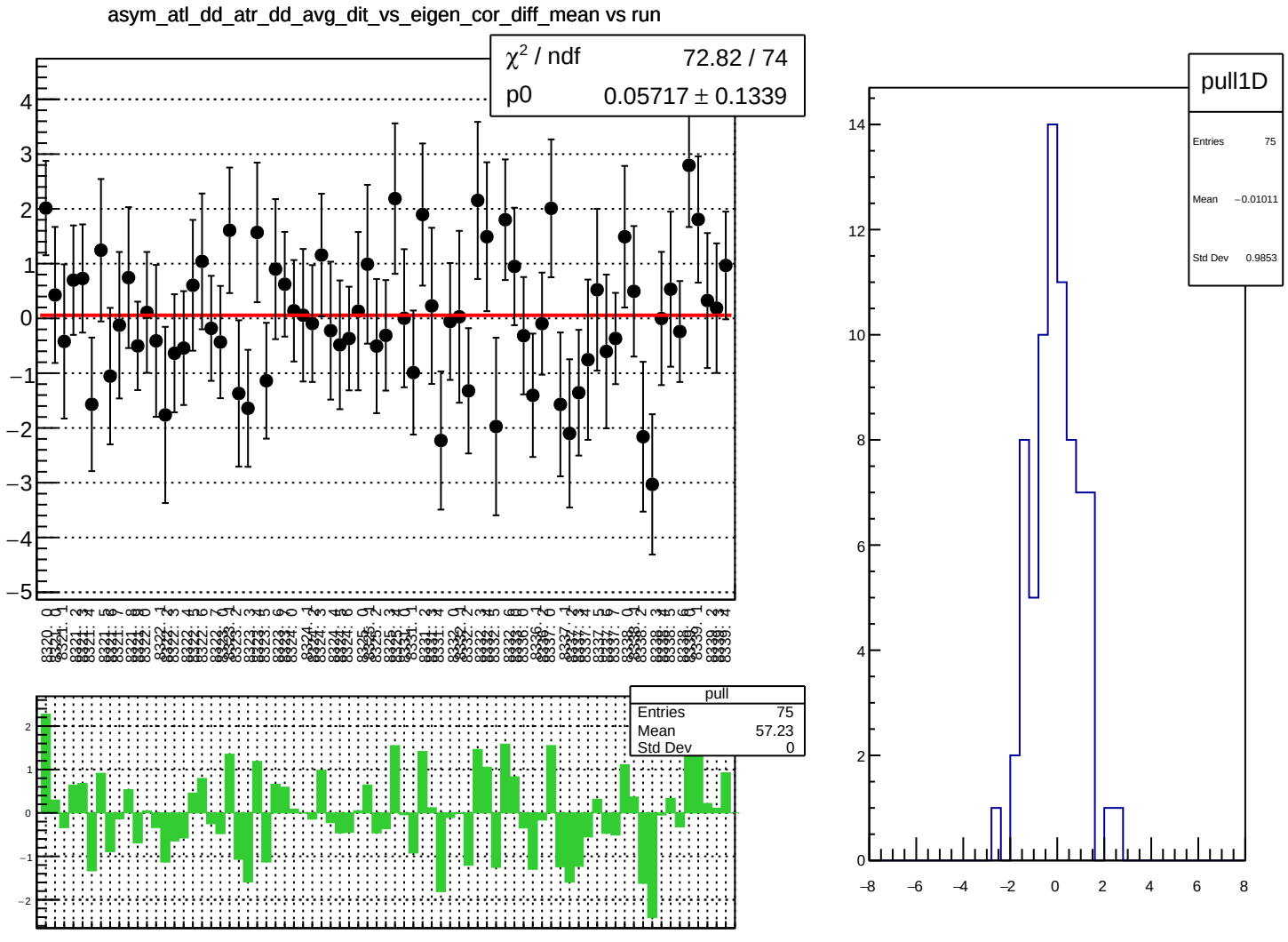

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.38 / 74
p0 −1.725e−12 ± 7.682e−13
pull
Entries 75
Mean 47.39
Std Dev 0

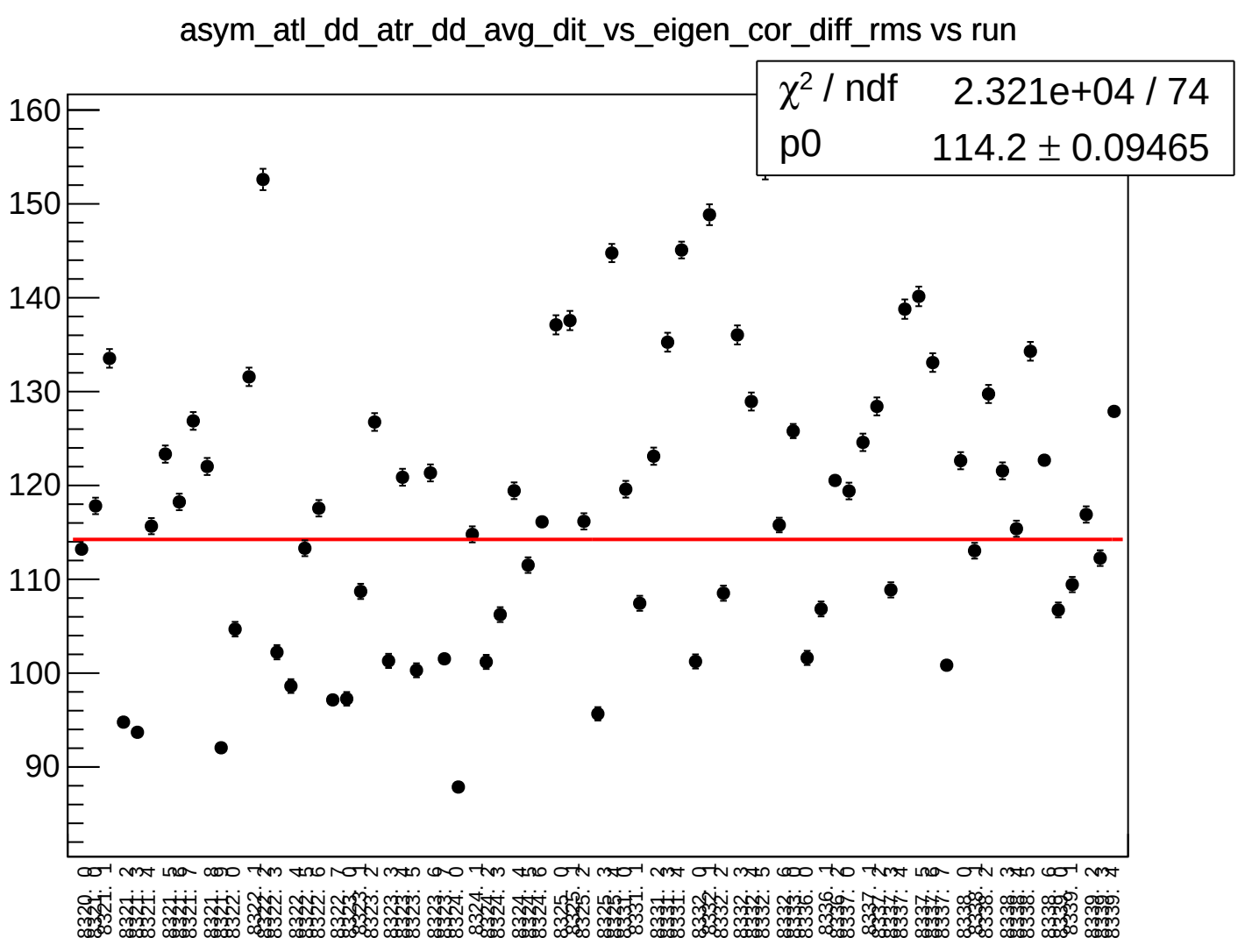

pull1D
Entries 75
Mean 0.1242
Std Dev 1.121

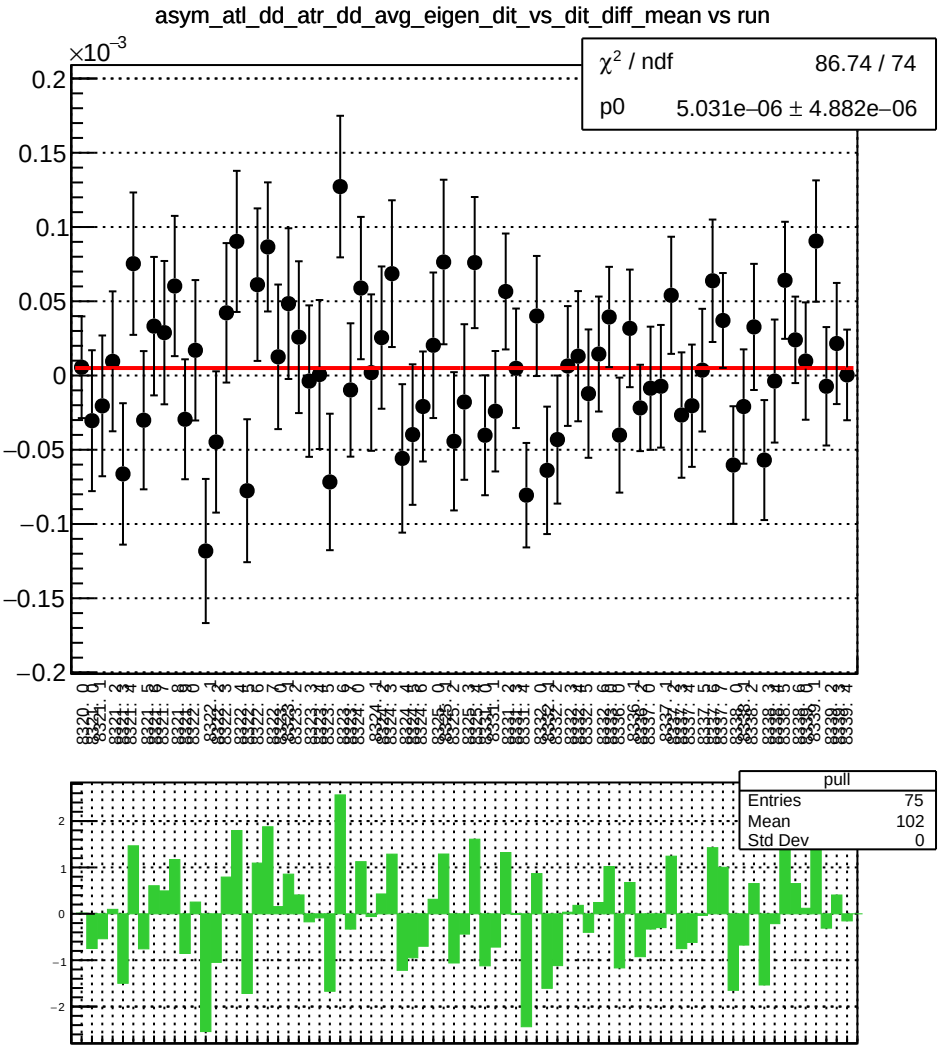

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.534e+05 / 74
p0 4.631e−10 ± 5.432e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

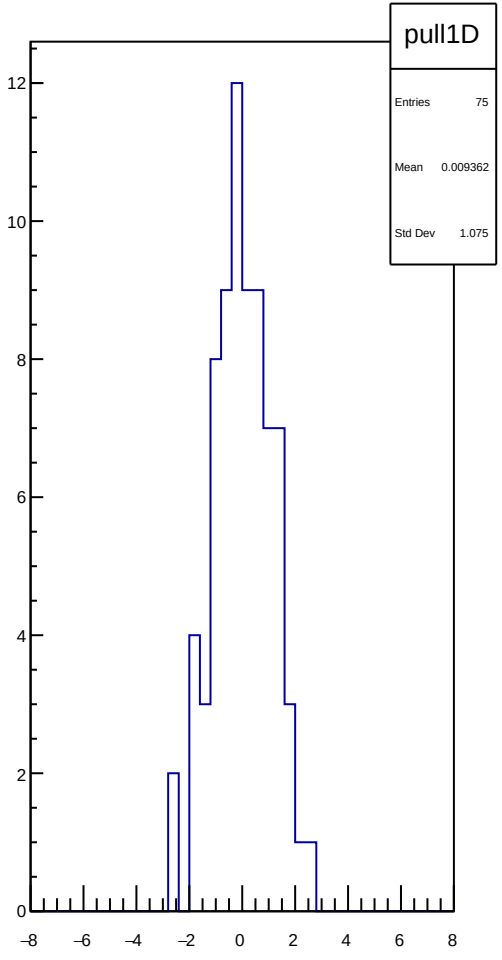

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05717 ± 0.1339
pull
Entries 75
Mean 57.23
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

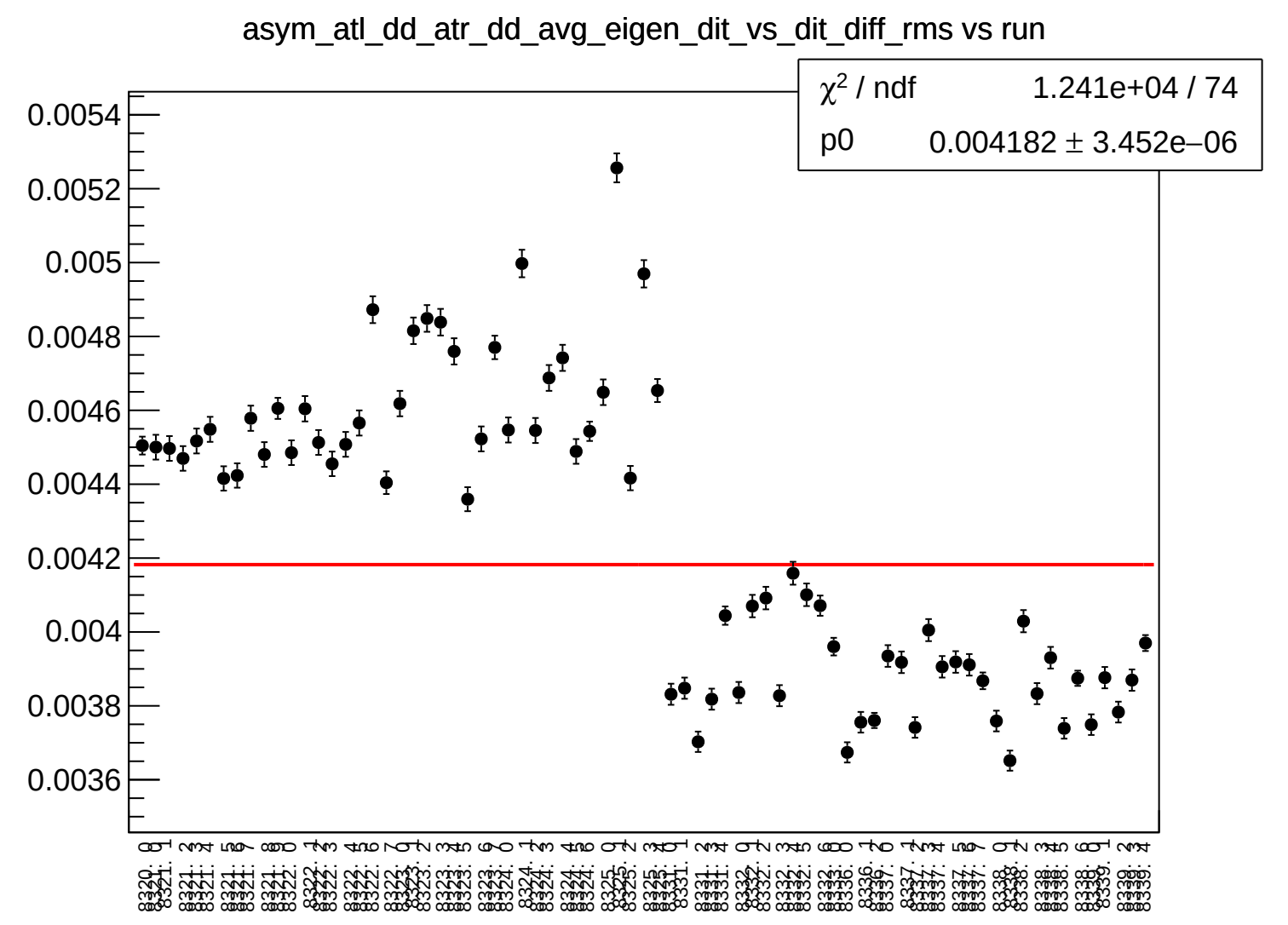

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

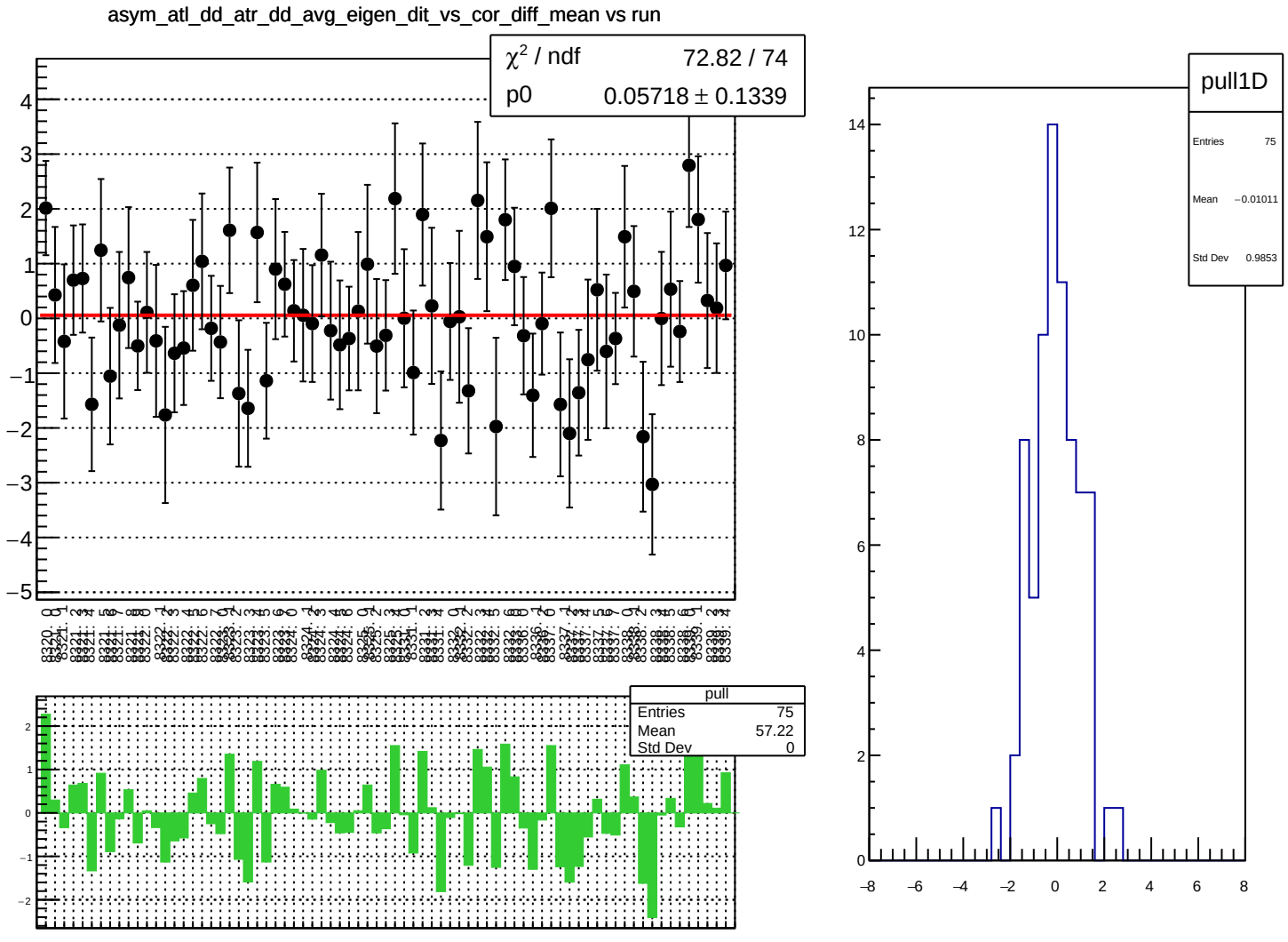

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05717 ± 0.1339
pull
Entries 75
Mean 57.23
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

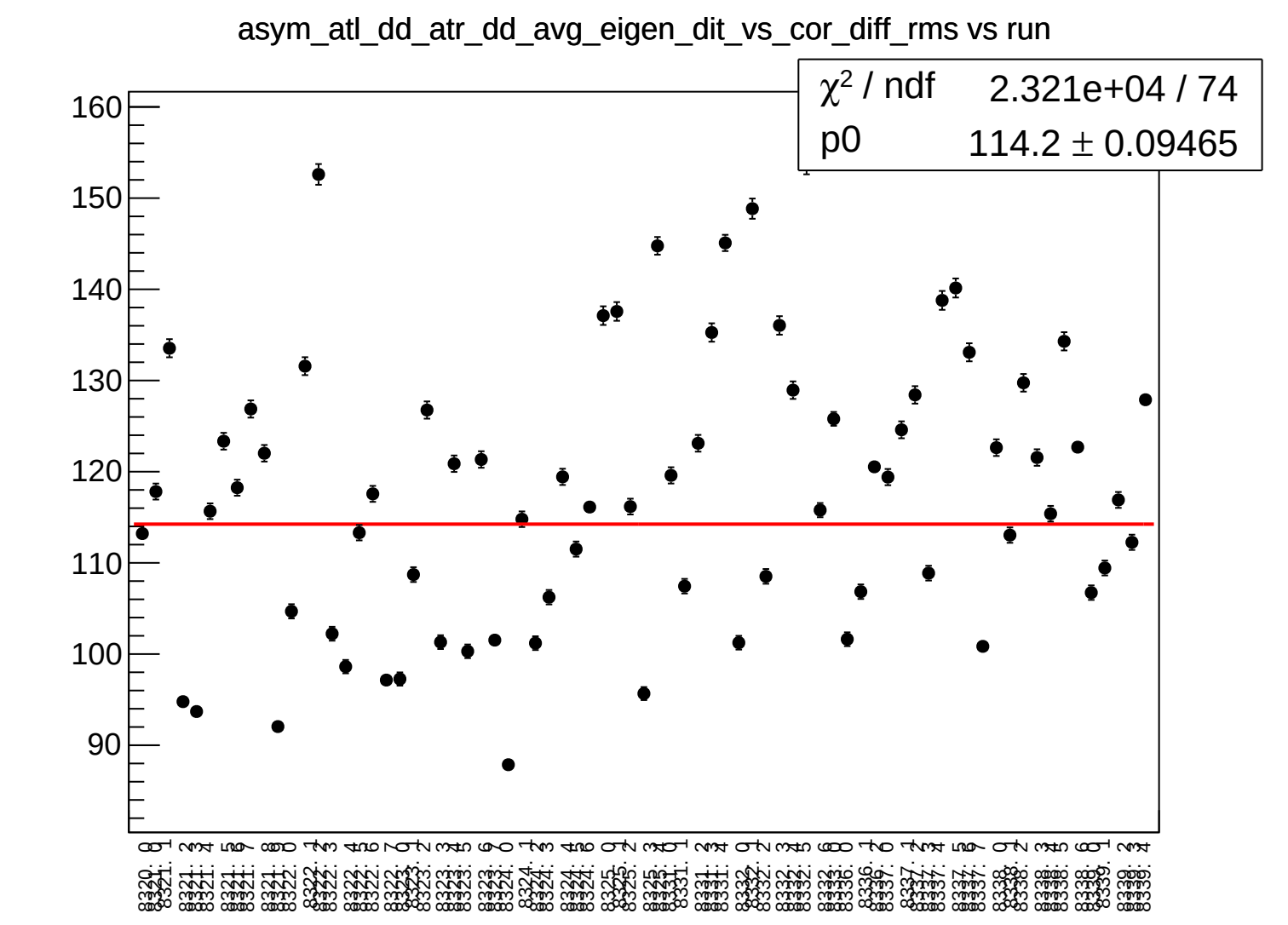

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

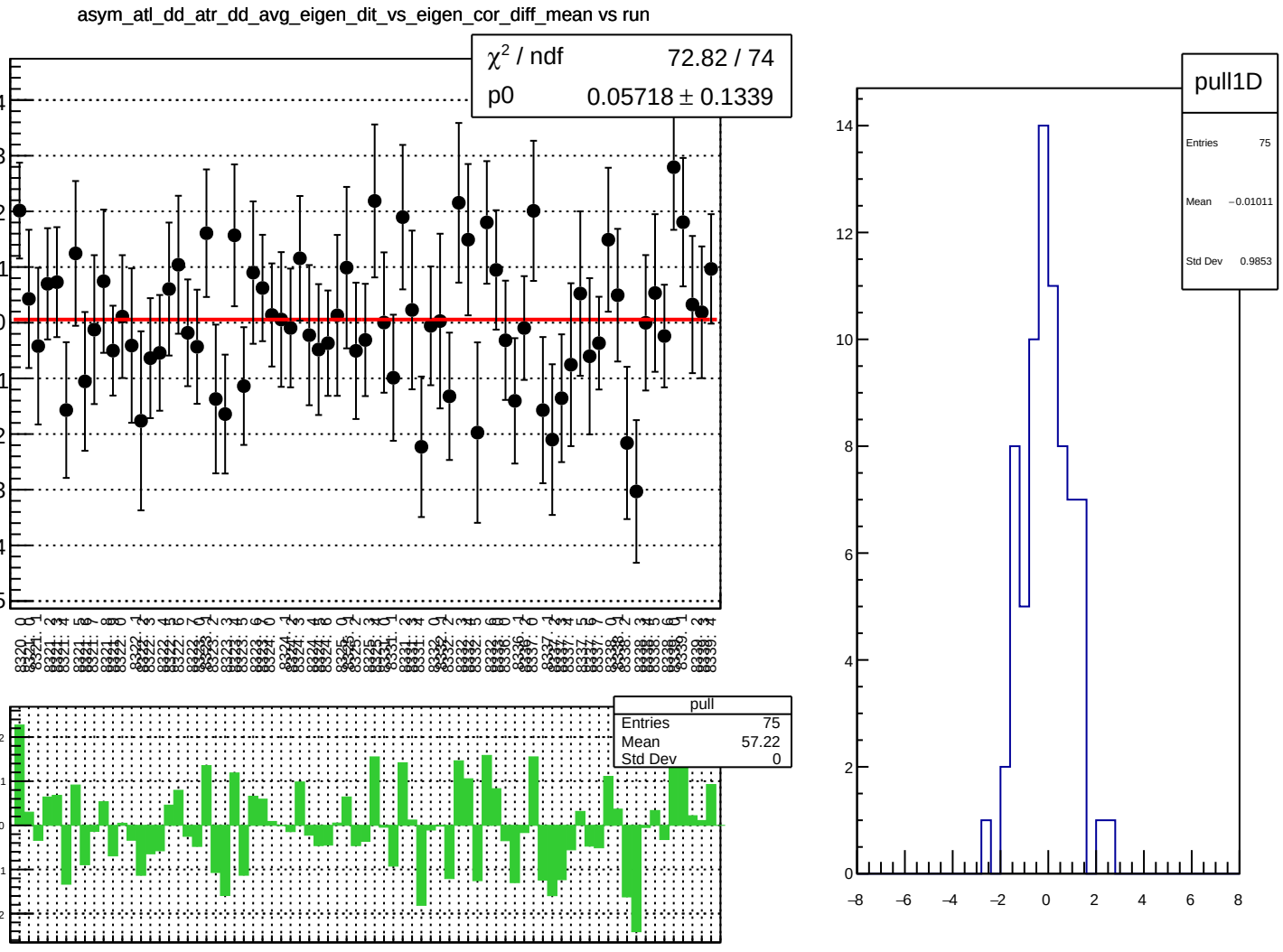

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.74 / 74
p0 5.031e−06 ± 4.882e−06
pull
Entries 75
Mean 102
Std Dev 0

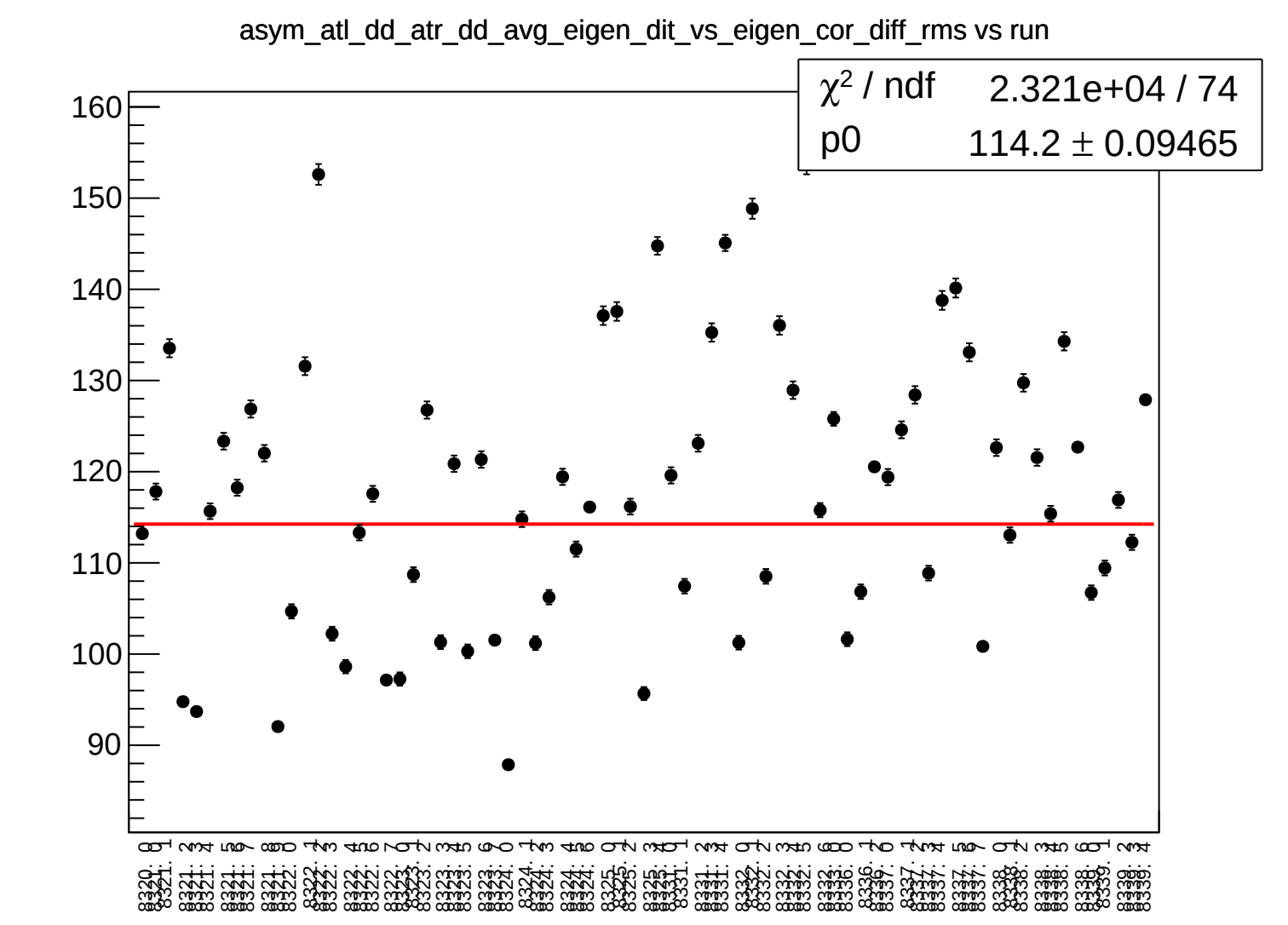

pull1D
Entries 75
Mean 0.009362
Std Dev 1.075

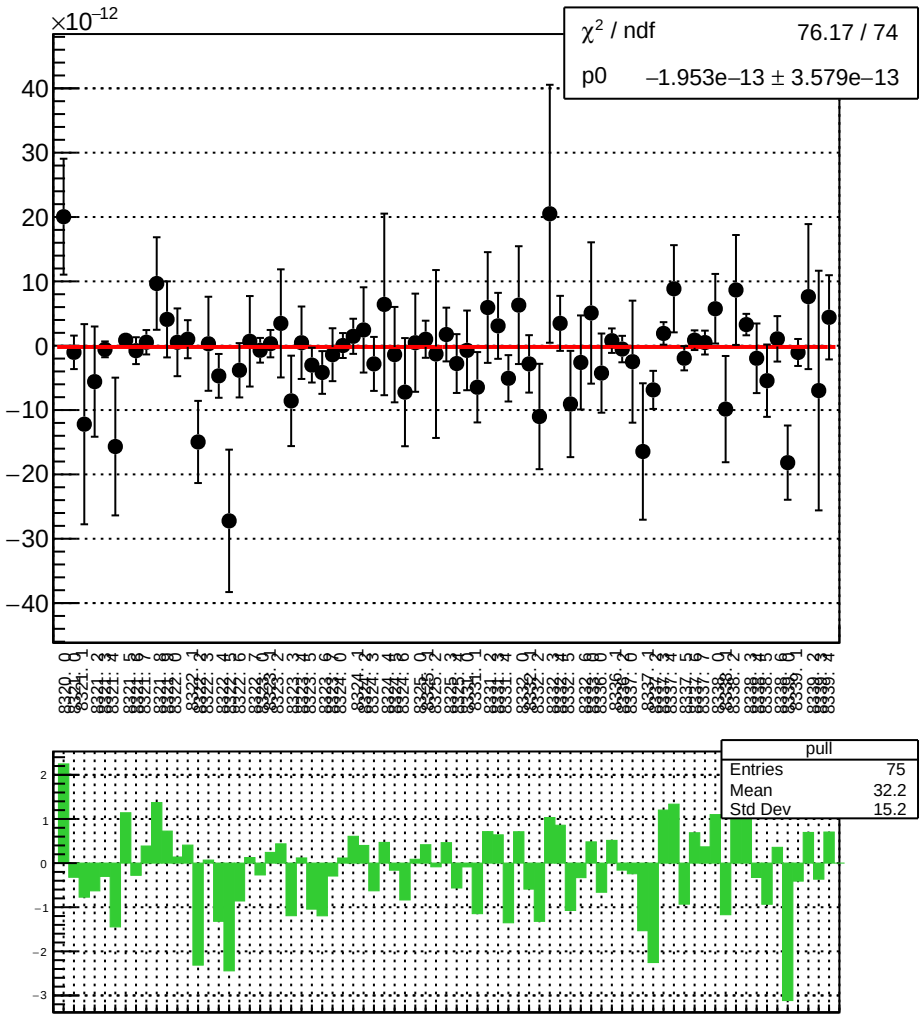

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.241e+04 / 74
p0 0.004182 ± 3.452e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036

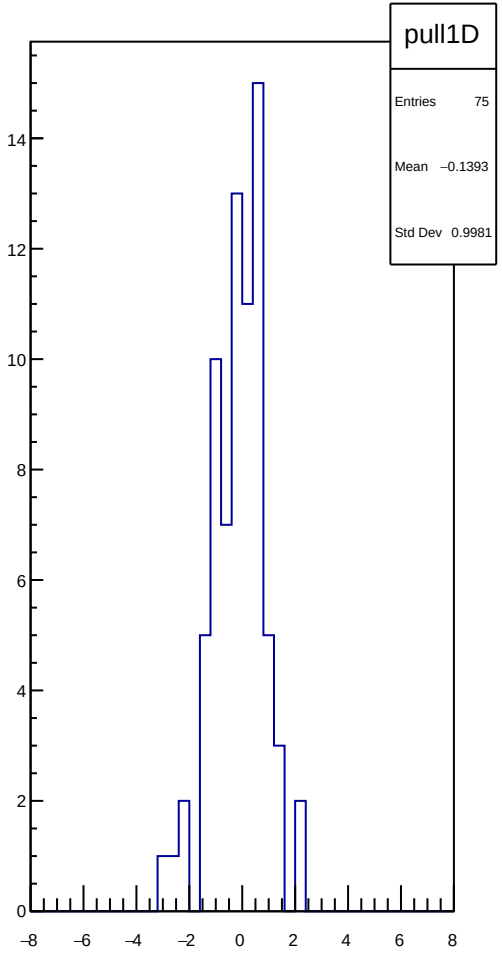

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05718 ± 0.1339
pull
Entries 75
Mean 57.22
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

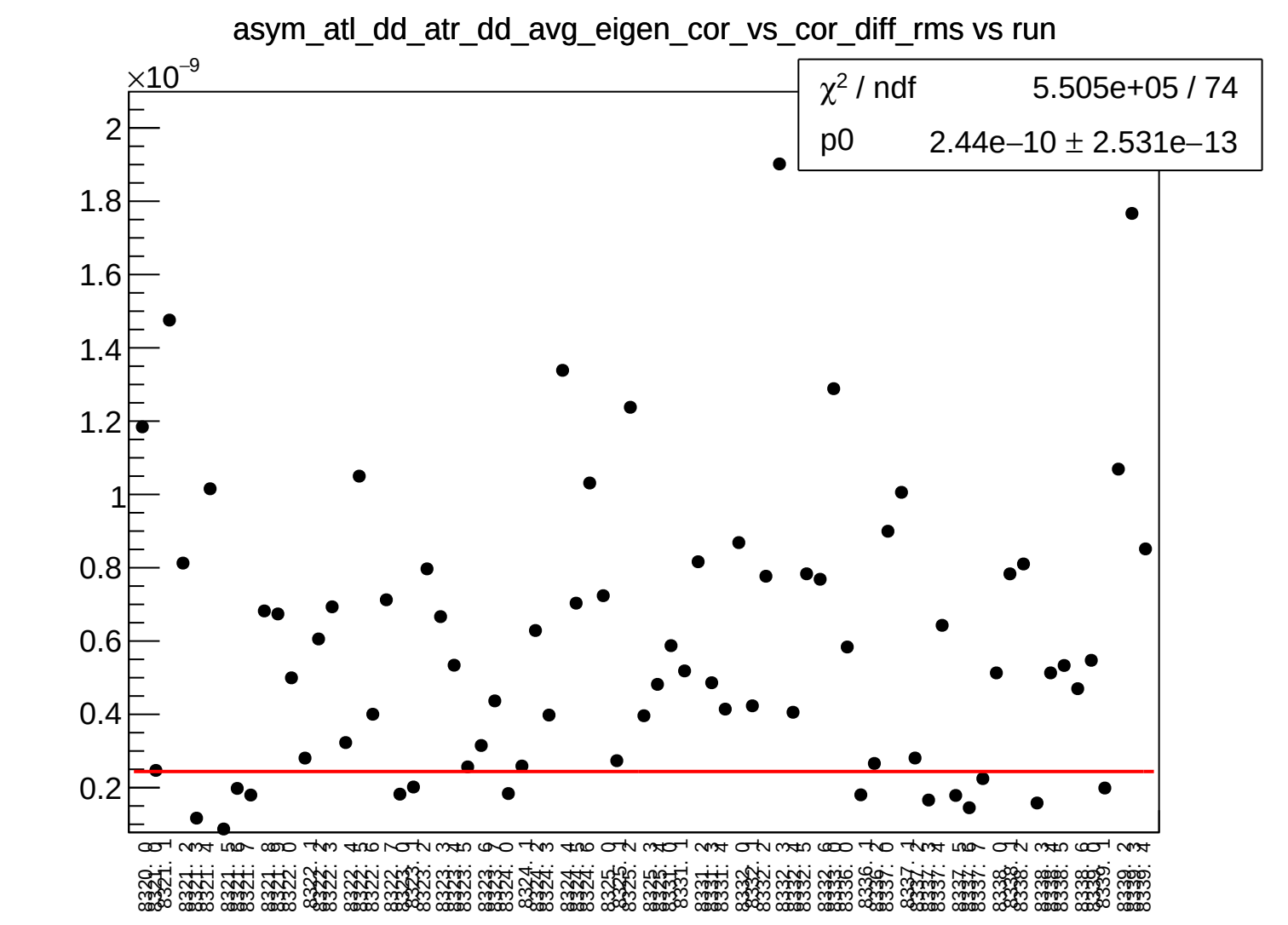

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

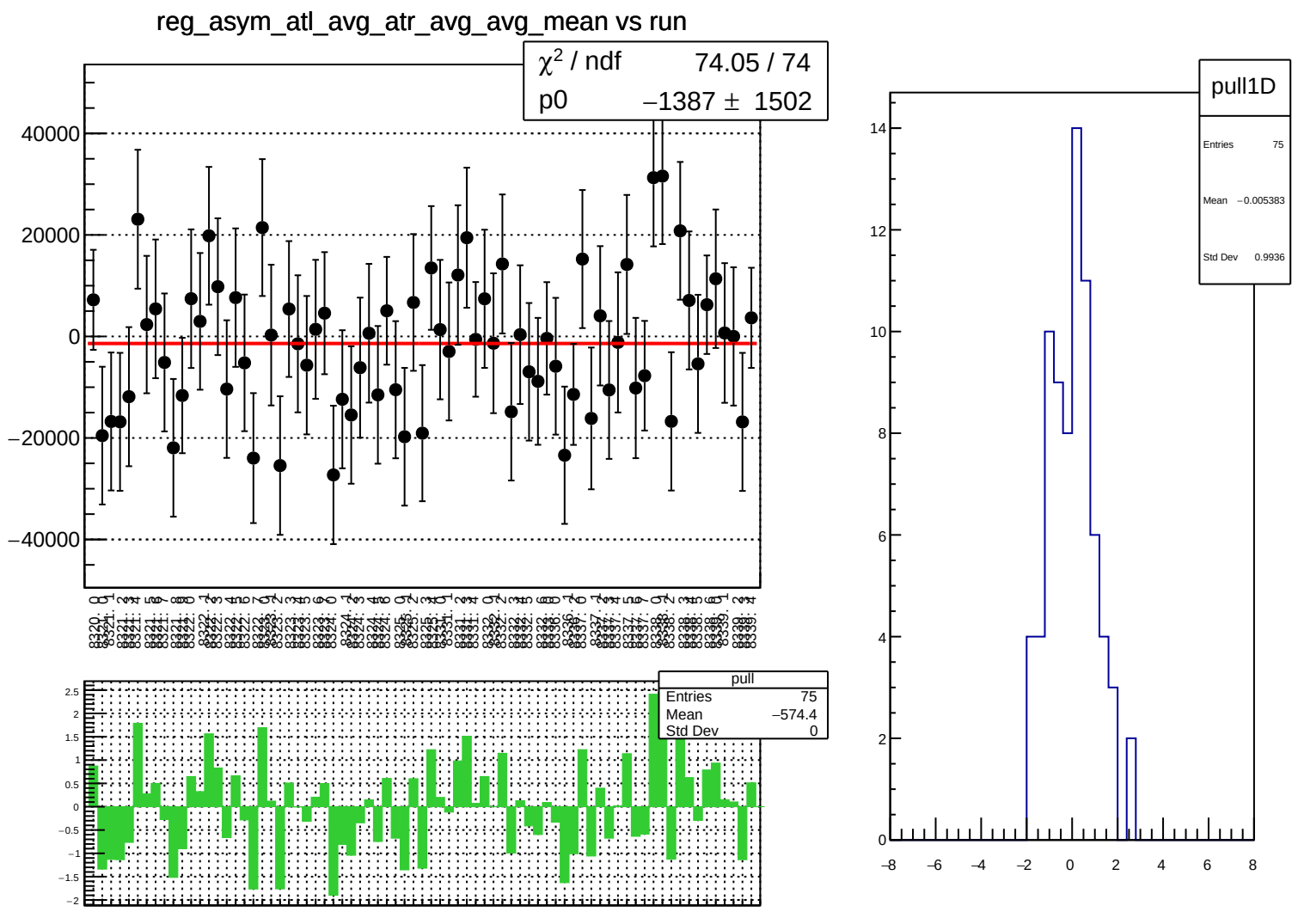

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05718 ± 0.1339
pull
Entries 75
Mean 57.22
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

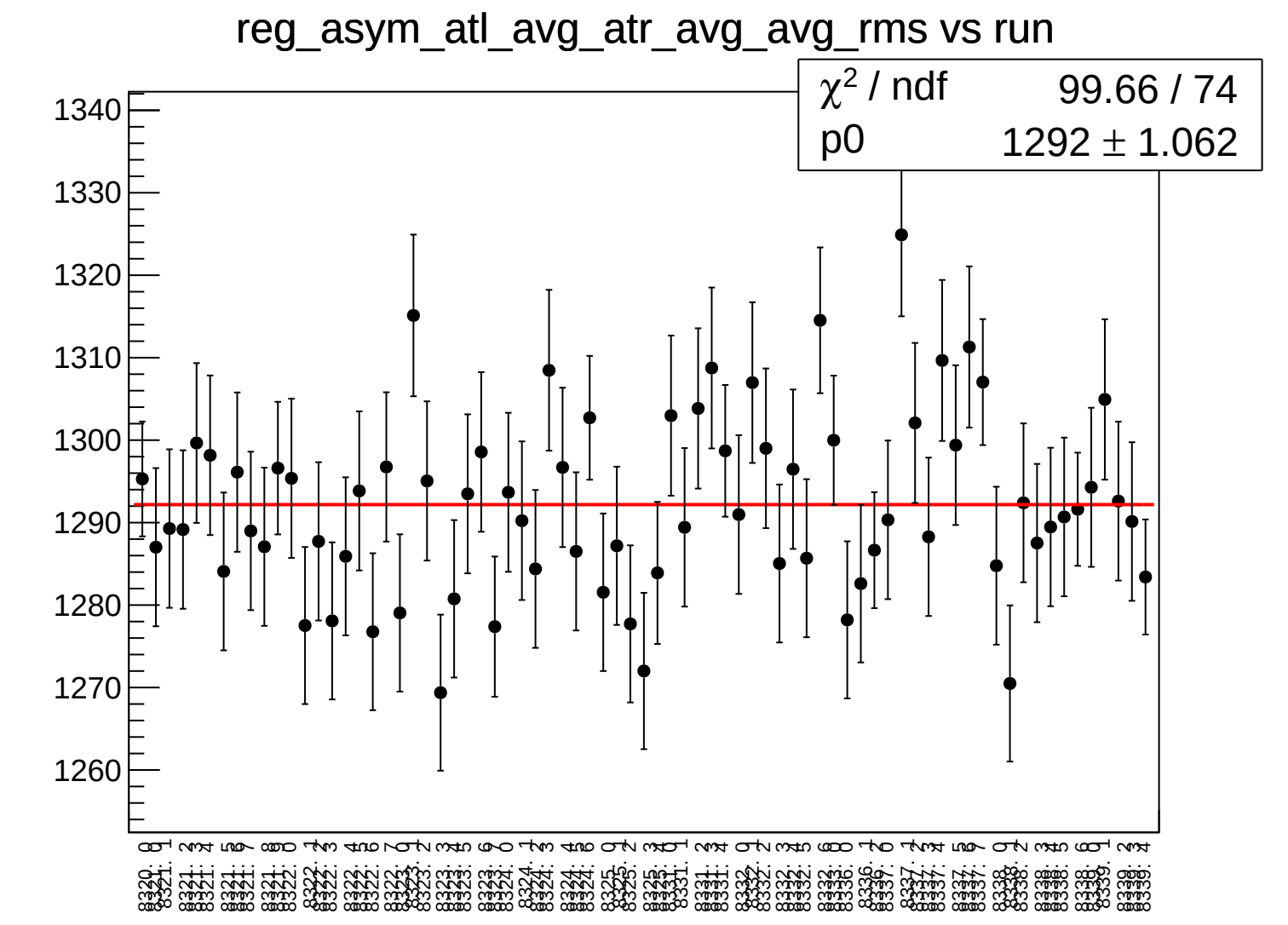

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

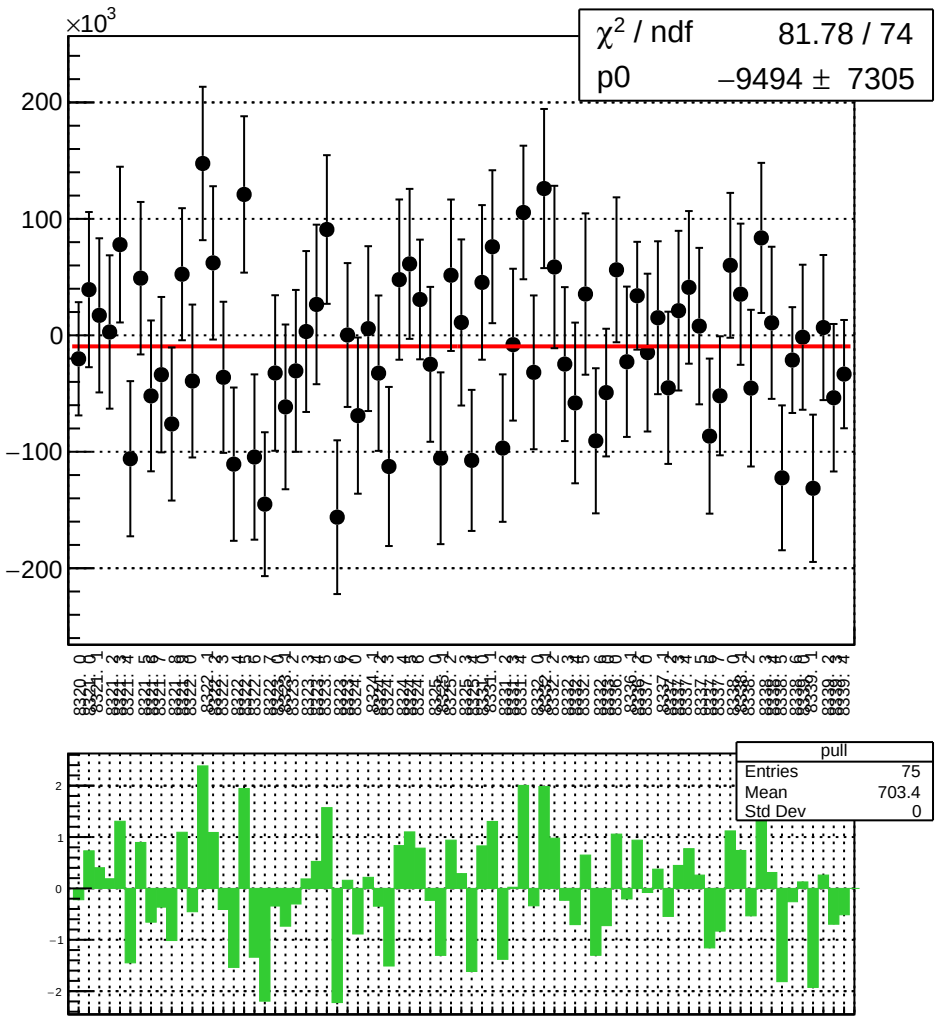

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.17 / 74
p0 −1.953e−13 ± 3.579e−13
pull
Entries 75
Mean 32.2
Std Dev 15.2

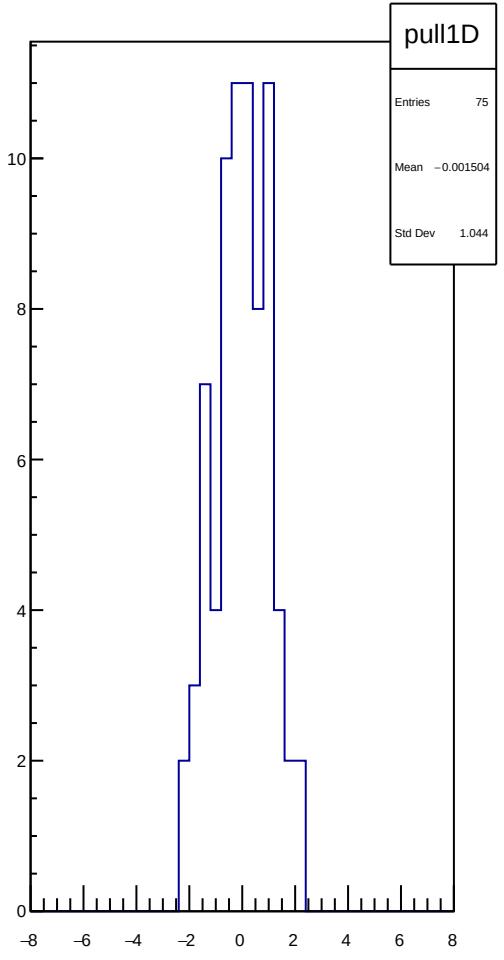

pull1D
Entries 75
Mean −0.1393
Std Dev 0.9981

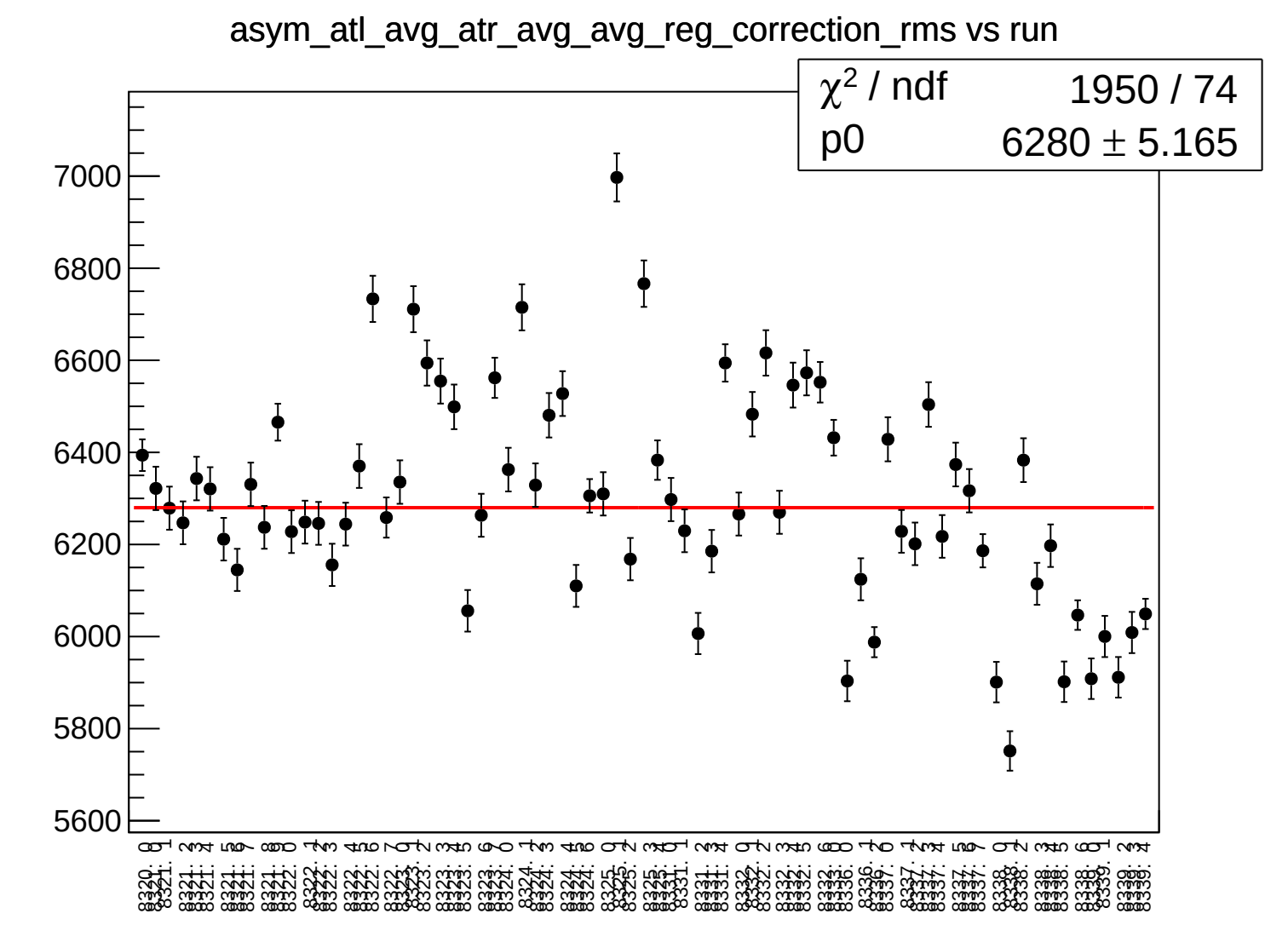

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.505e+05 / 74
p0 2.44e−10 ± 2.531e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

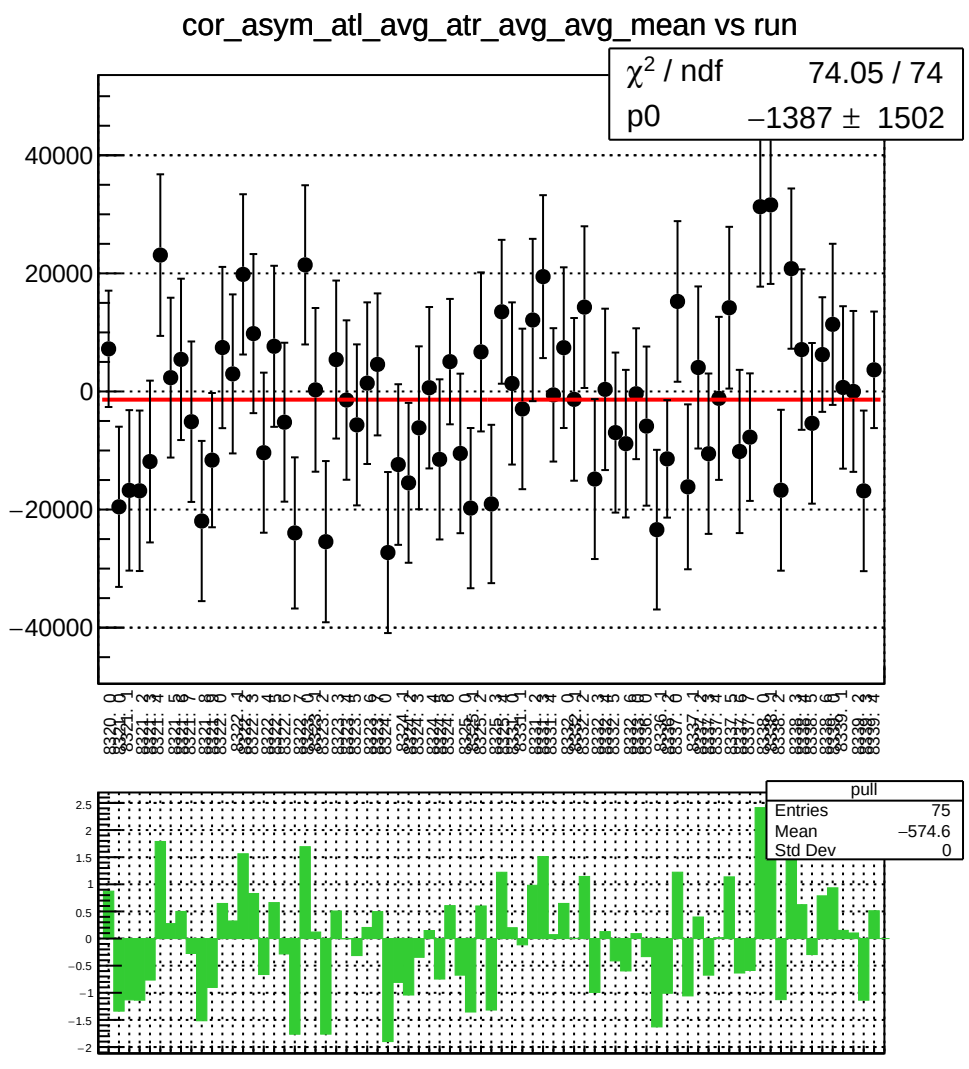

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 74.05 / 74
p0 −1387 ± 1502
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −574.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 75
Mean −0.005383
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

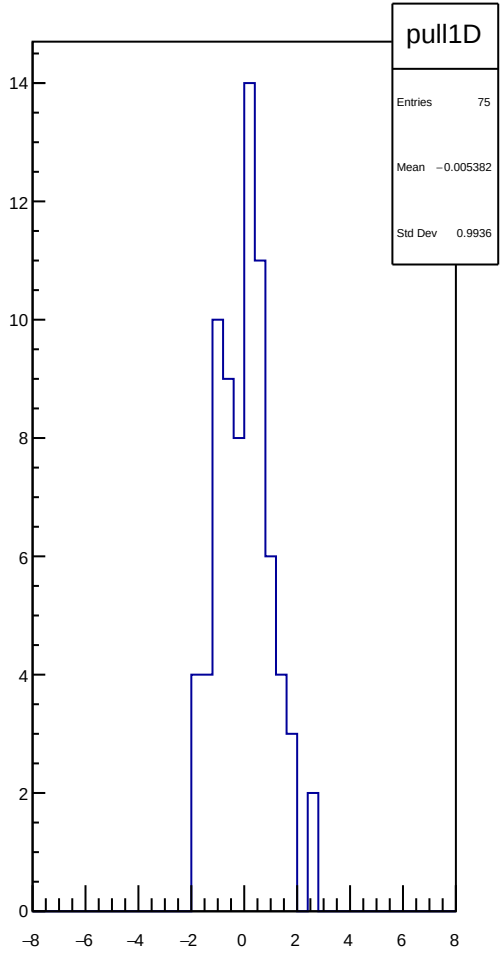

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 99.66 / 74
p0 1292 ± 1.062
1340
1330
1320
1310
1300
1290
1280
1270
1260

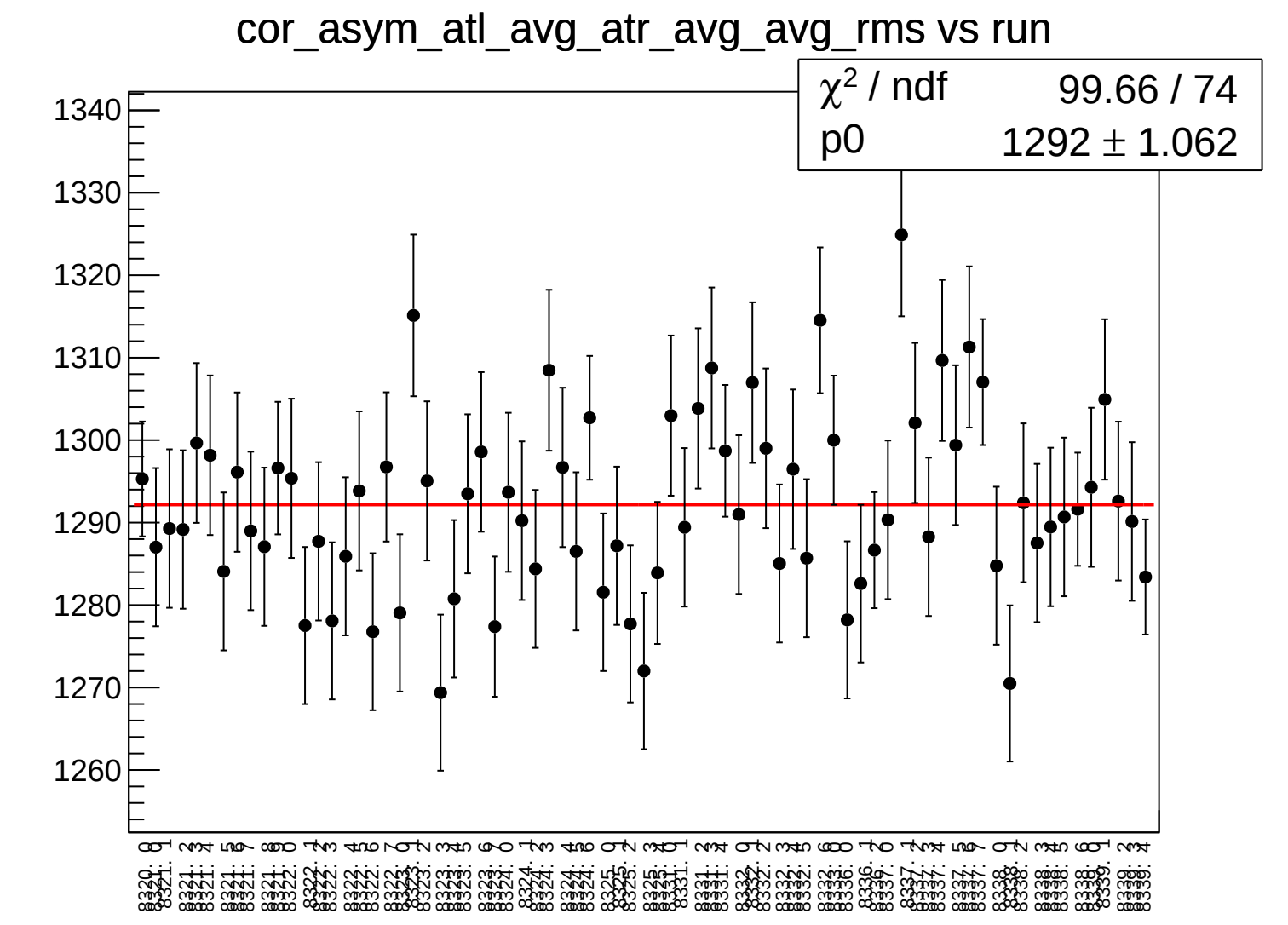

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.78 / 74
p0 −9494 ± 7305
200
100
0
−100
−200
pull
Entries 75
Mean 703.4
Std Dev 0
2
1
0
−1
−2

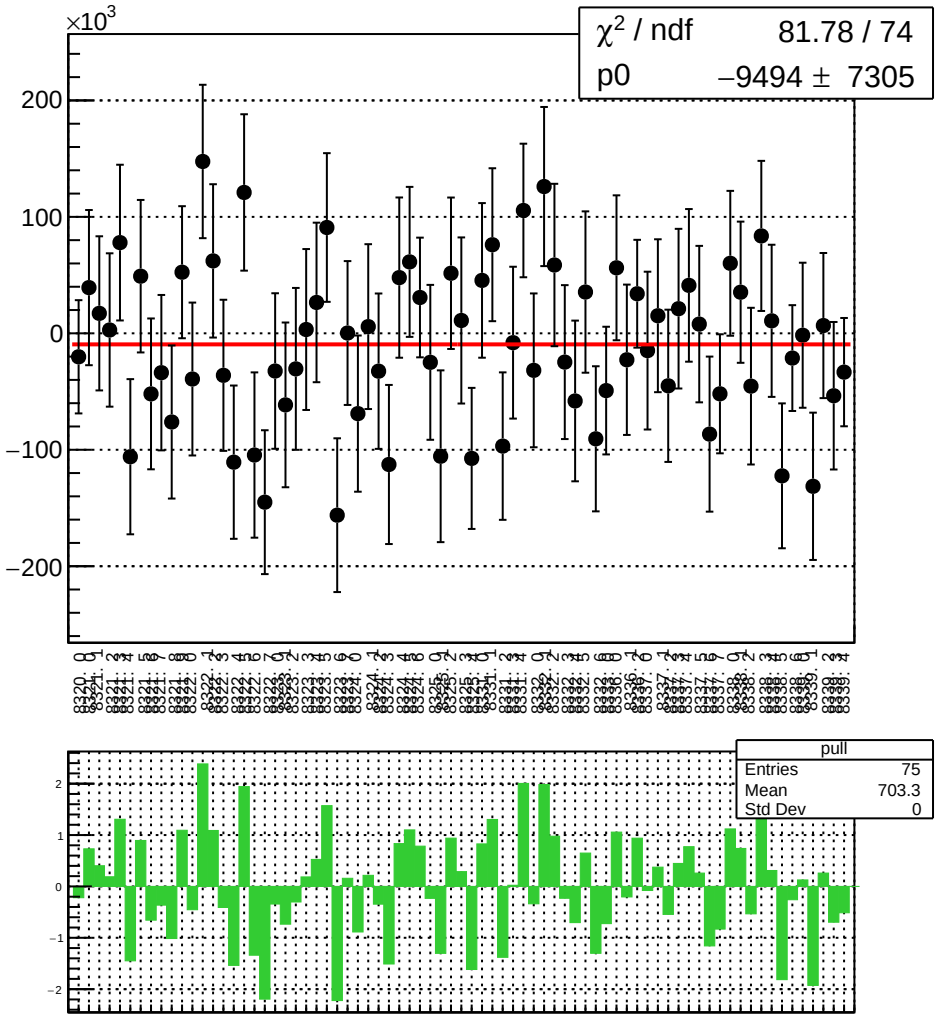

pull1D
Entries 75
Mean −0.001504
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

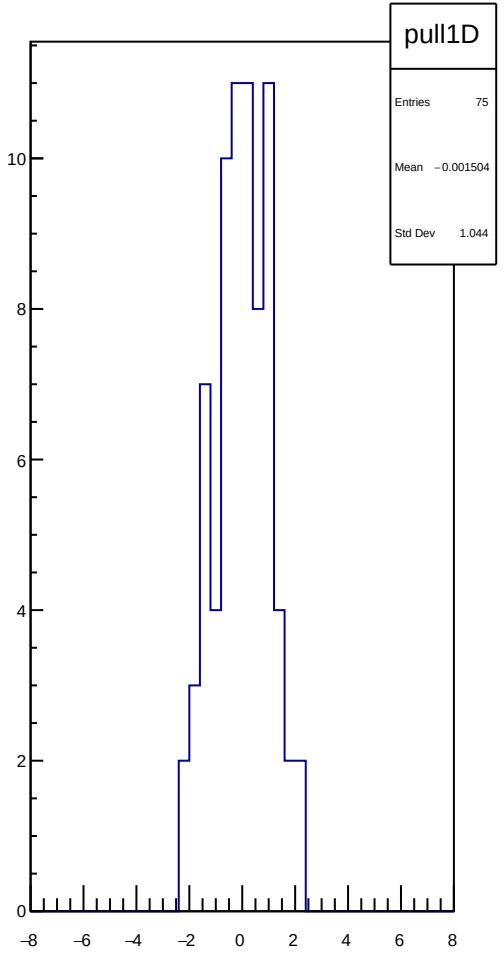

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1950 / 74
p0 6280 ± 5.165
7000
6800
6600
6400
6200
6000
5800
5600

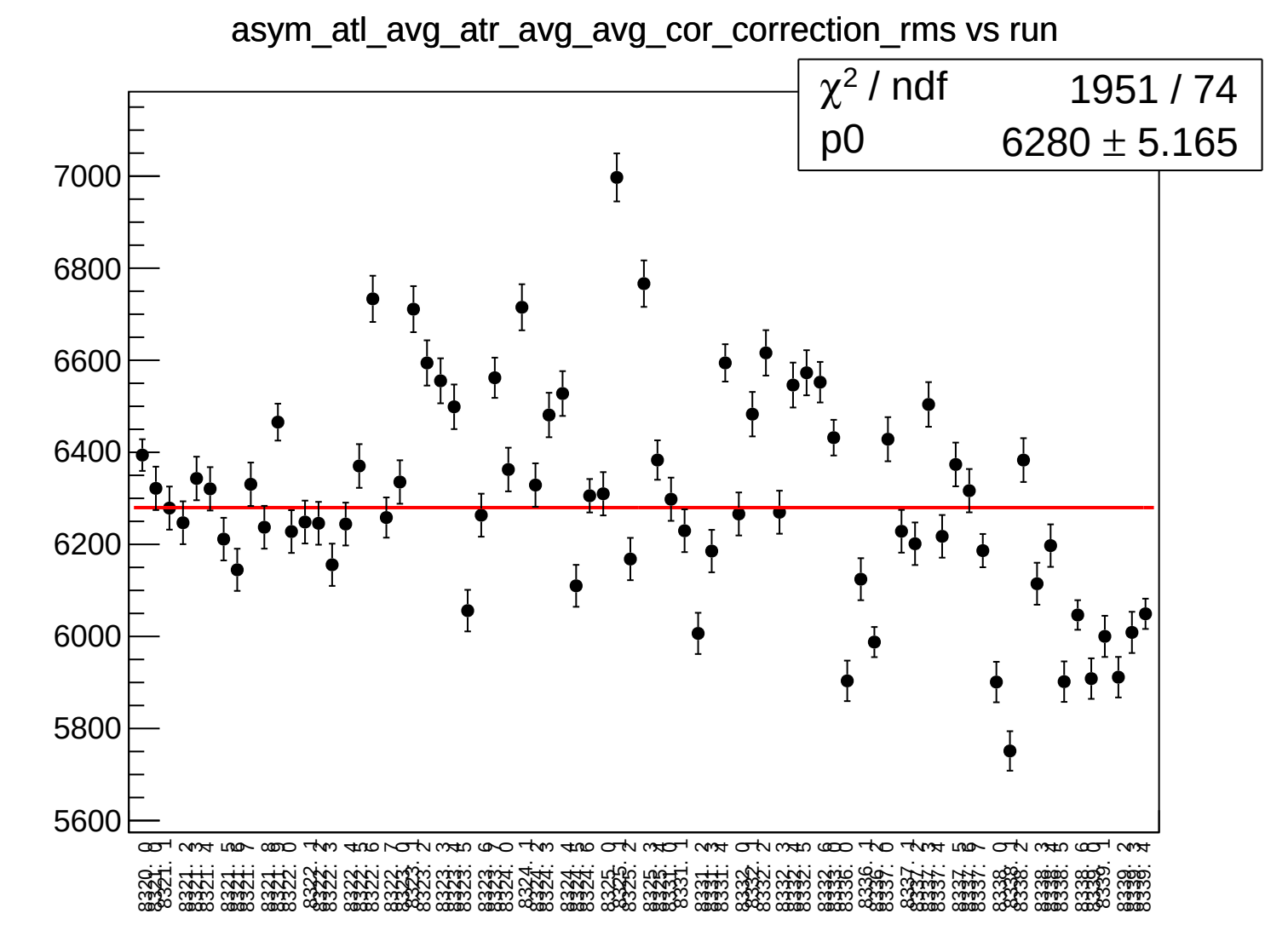

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 74.05 / 74
p0 −1387 ± 1502
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −574.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

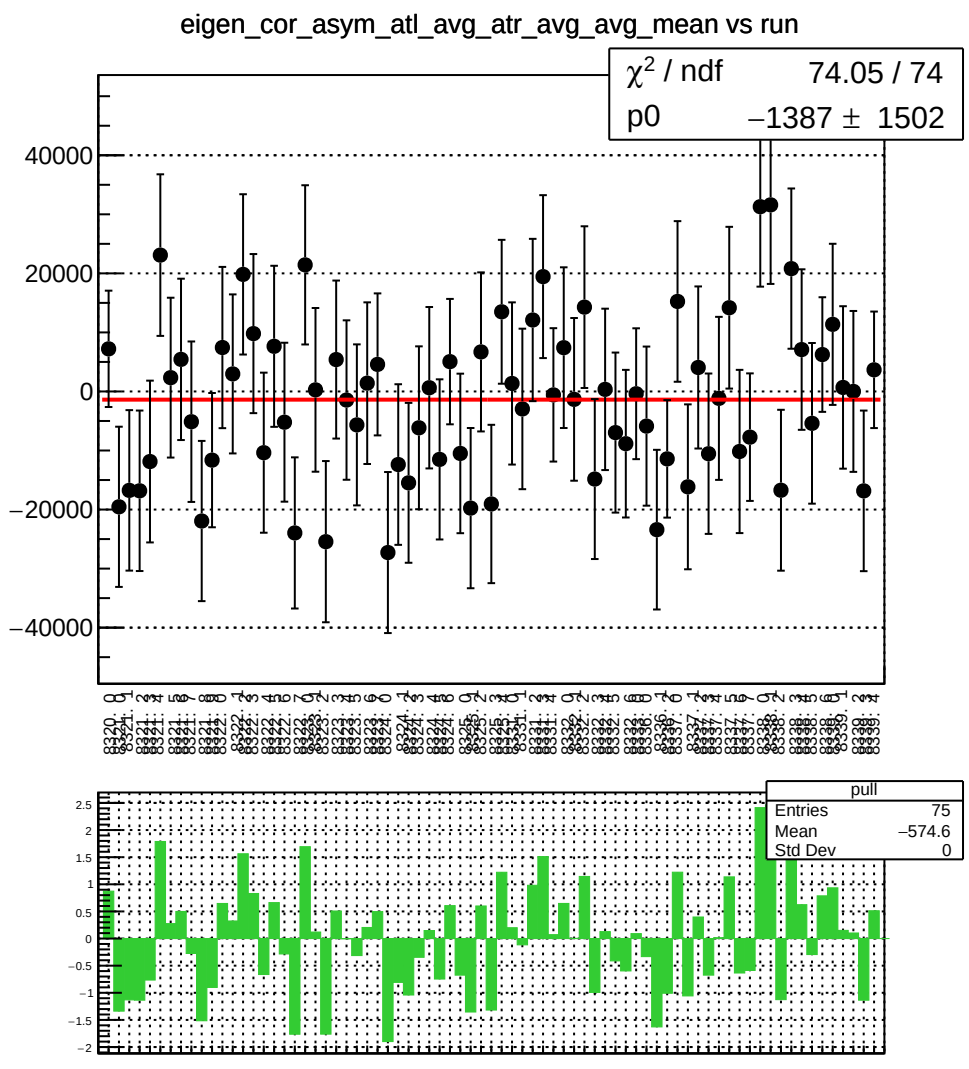

pull1D
Entries 75
Mean −0.005382
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

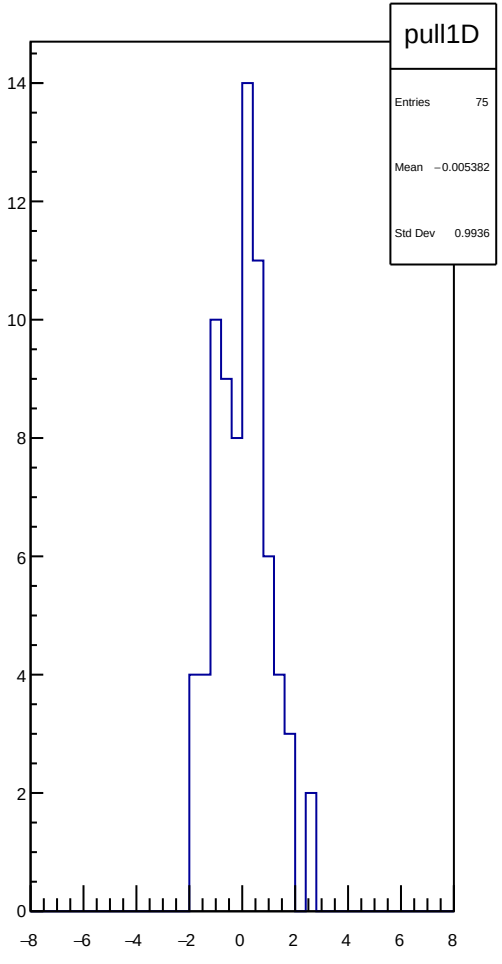

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 99.66 / 74
p0 1292 ± 1.062
1340
1330
1320
1310
1300
1290
1280
1270
1260

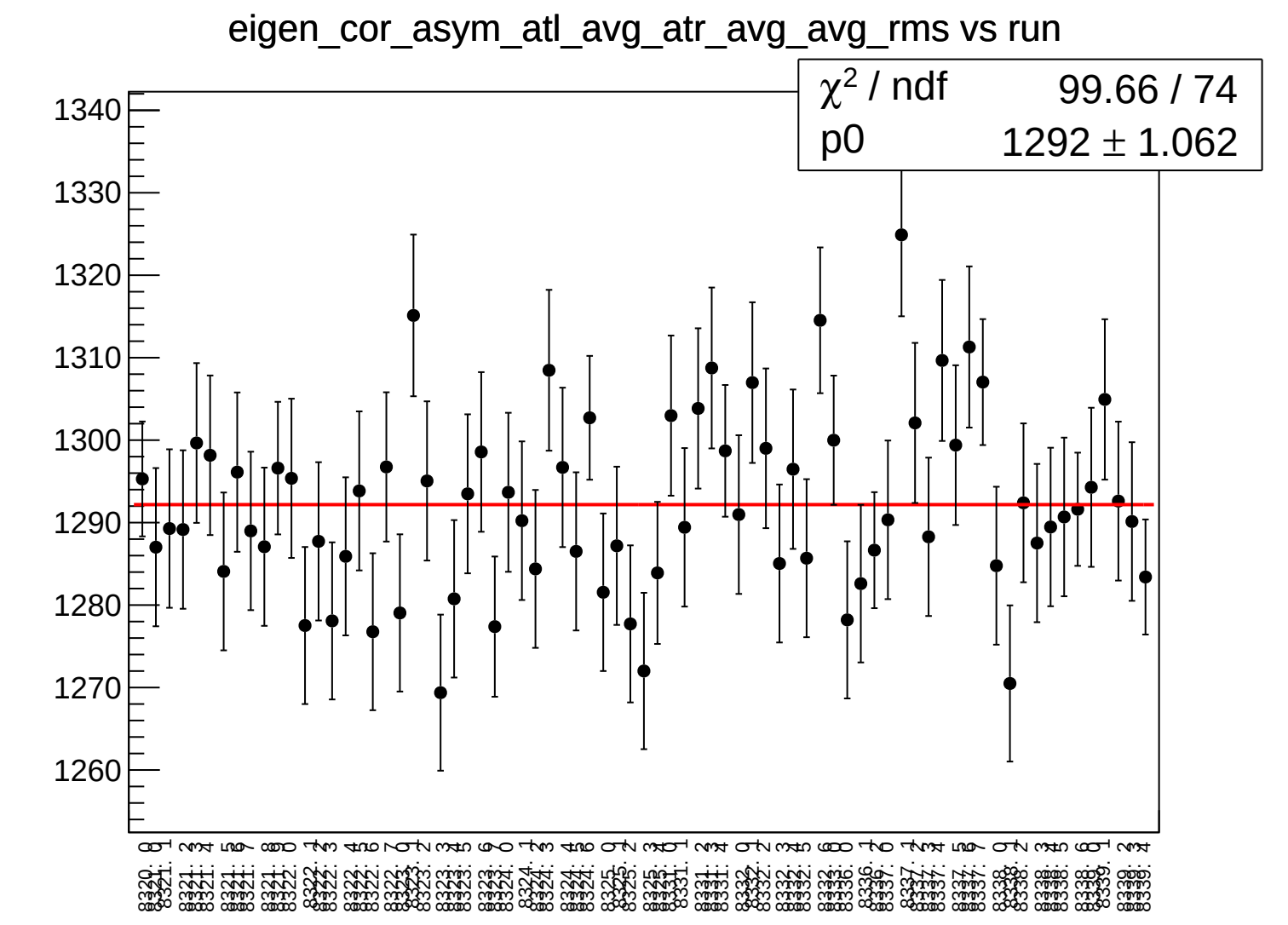

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.78 / 74
p0 −9494 ± 7305
200
100
0
−100
−200
pull
Entries 75
Mean 703.3
Std Dev 0
2
1
0
−1
−2

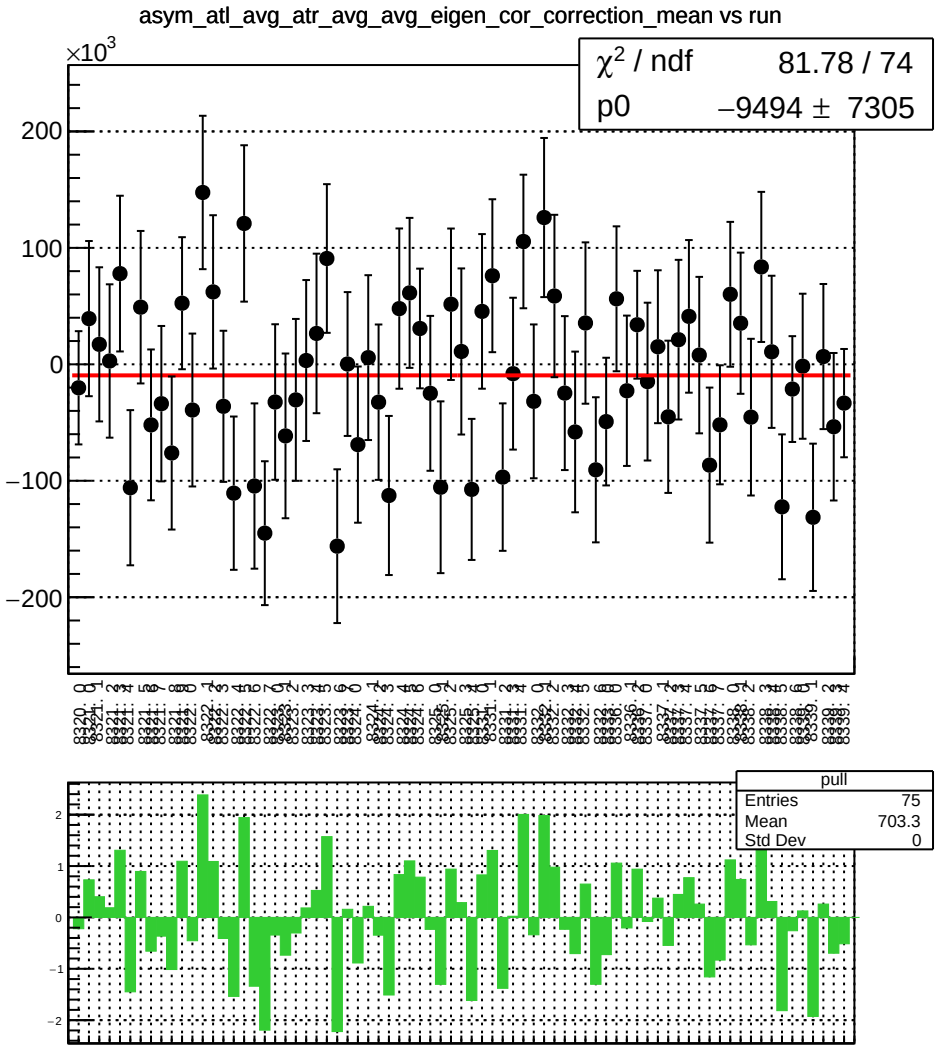

pull1D
Entries 75
Mean −0.001504
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

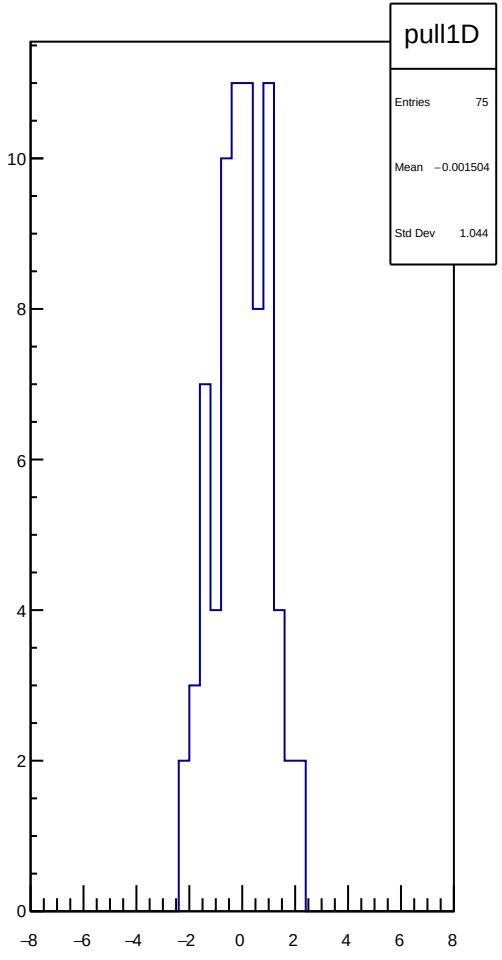

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1951 / 74
p0 6280 ± 5.165
7000
6800
6600
6400
6200
6000
5800
5600


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 74.05 / 74
p0 −1387 ± 1502
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −574.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 75
Mean −0.005382
Std Dev 0.9936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 99.66 / 74
p0 1292 ± 1.062
1340
1330
1320
1310
1300
1290
1280
1270
1260


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.78 / 74
p0 −9494 ± 7305
200
100
0
−100
−200
pull
Entries 75
Mean 703.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.001504
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
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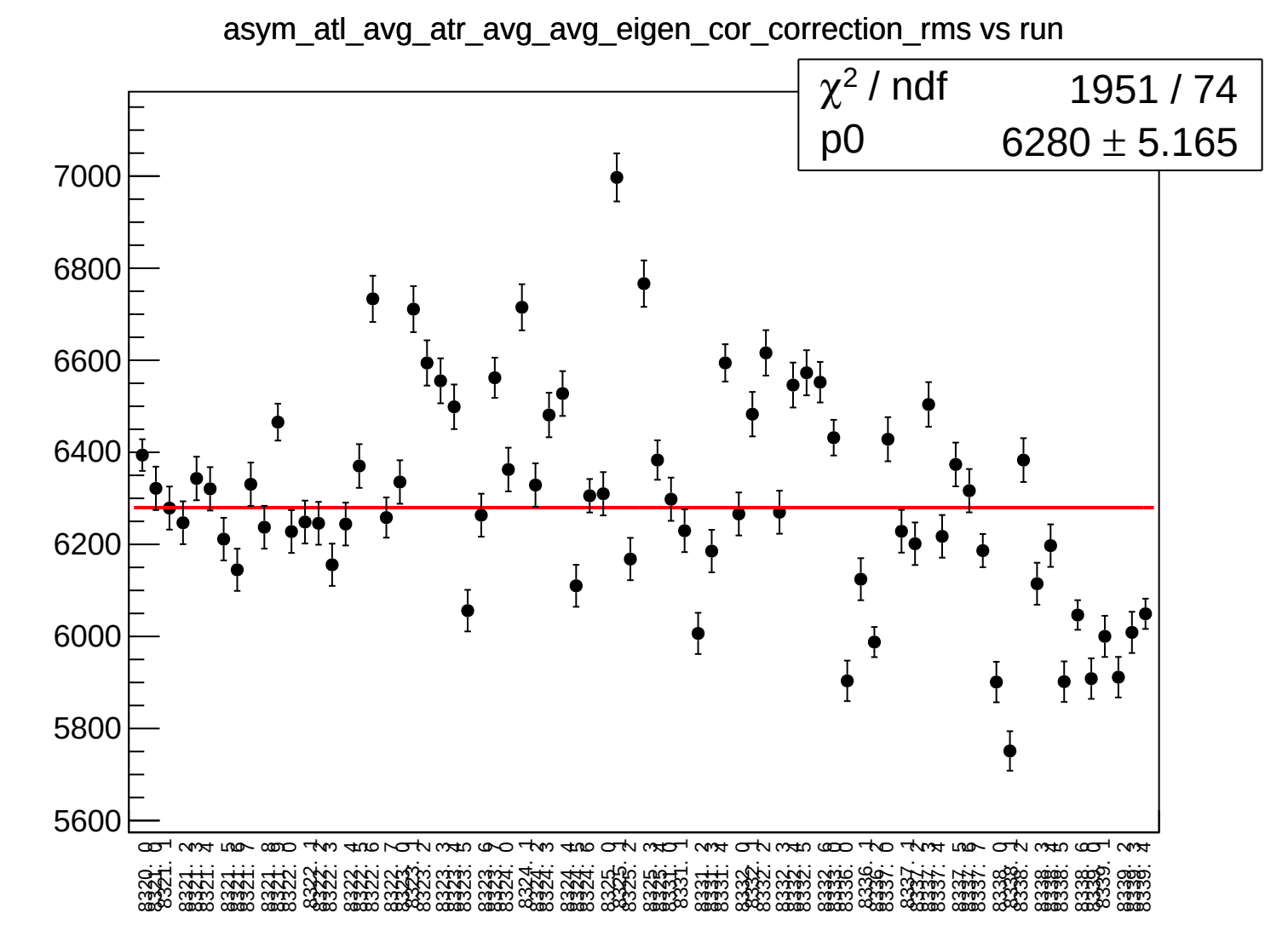
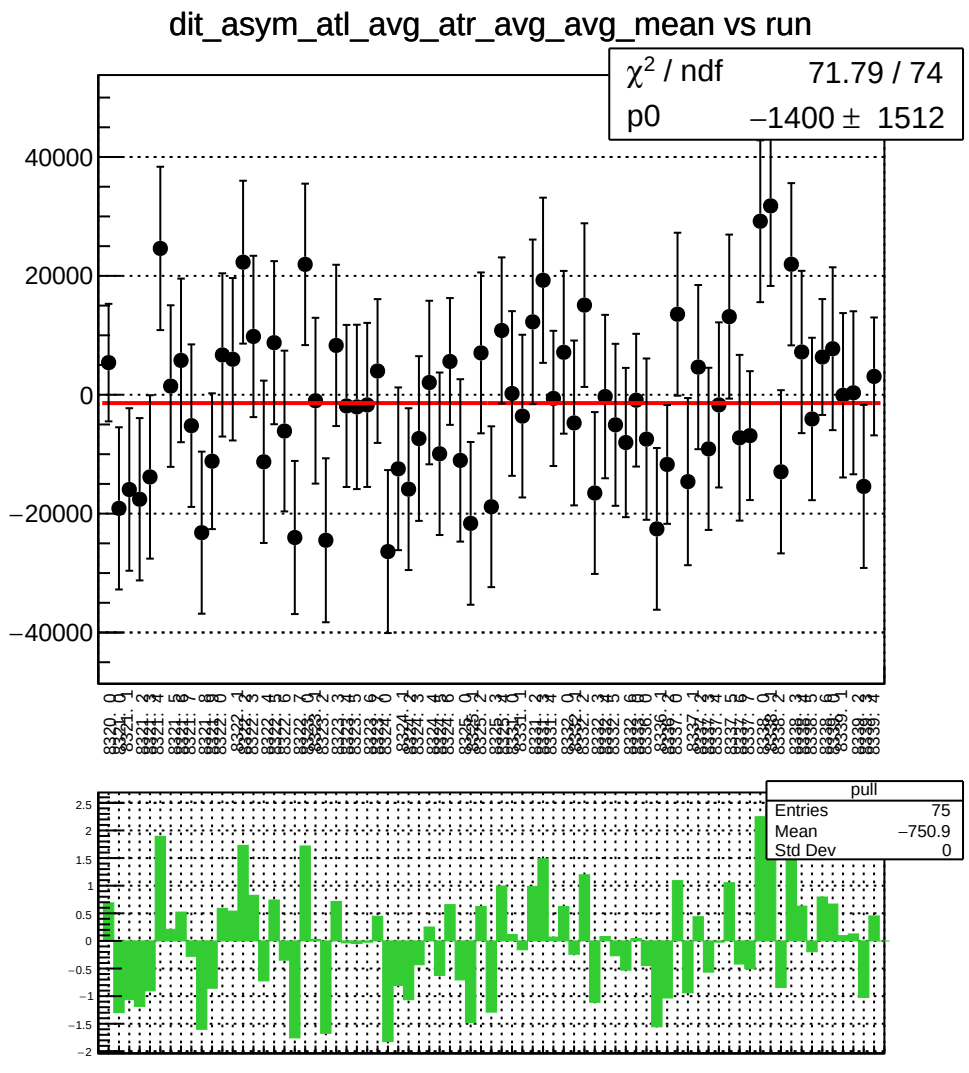
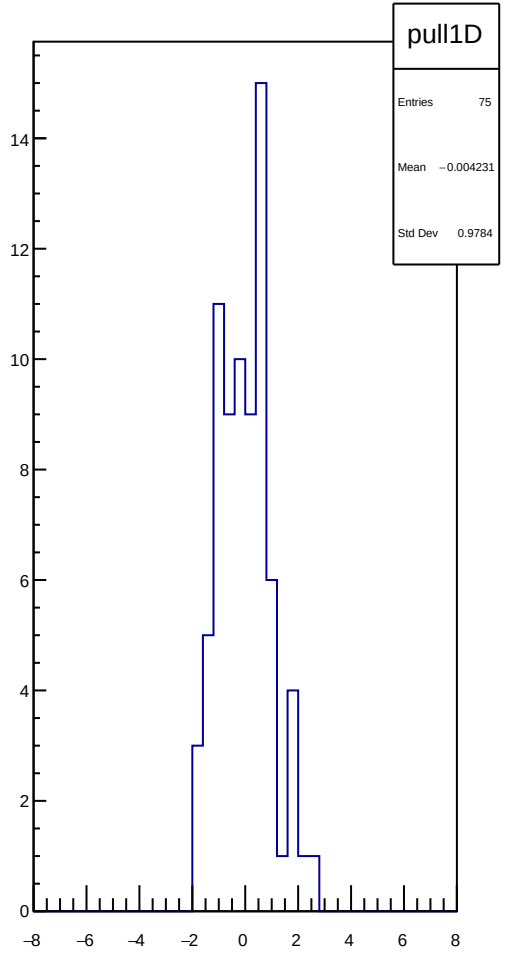
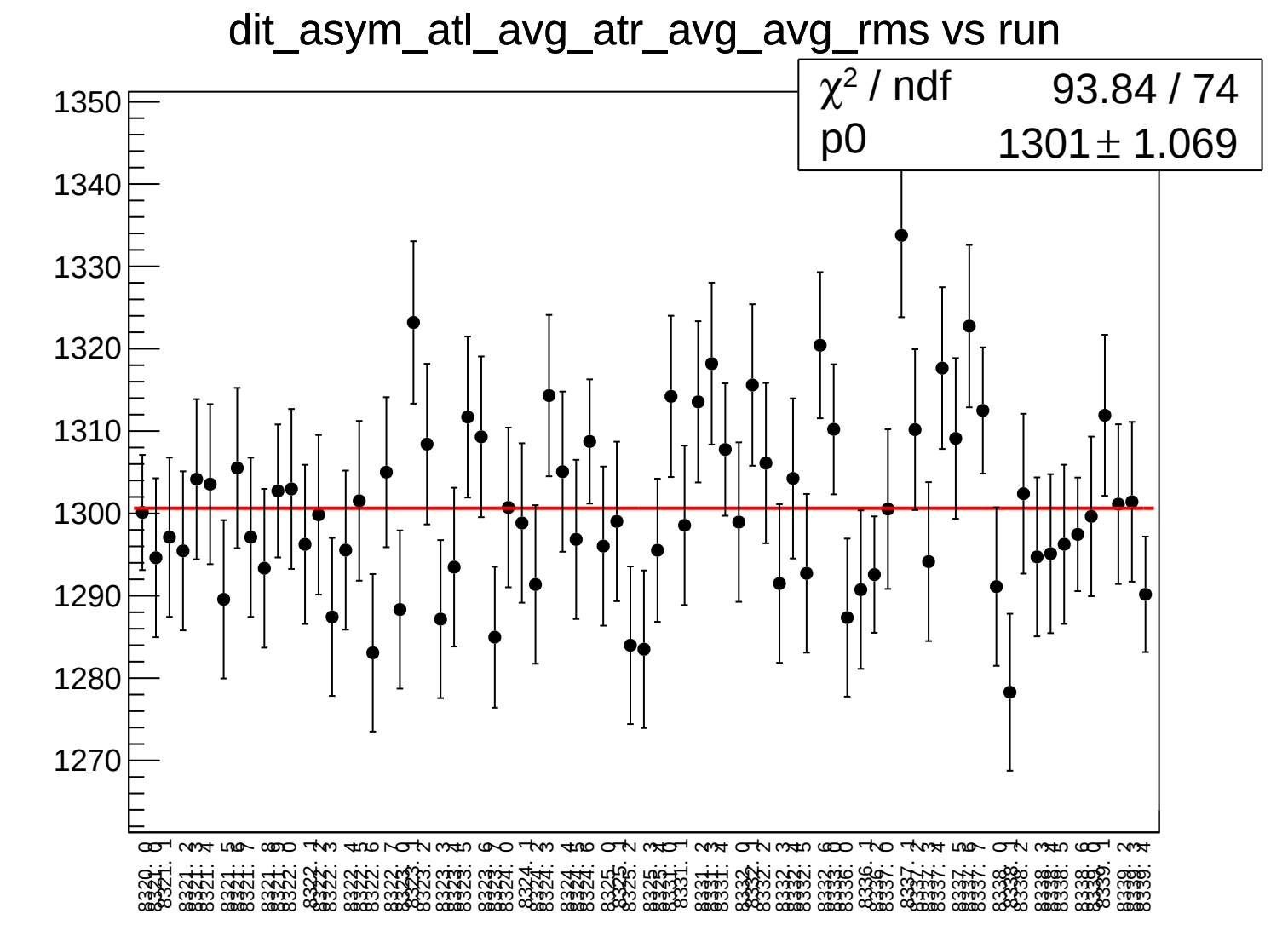
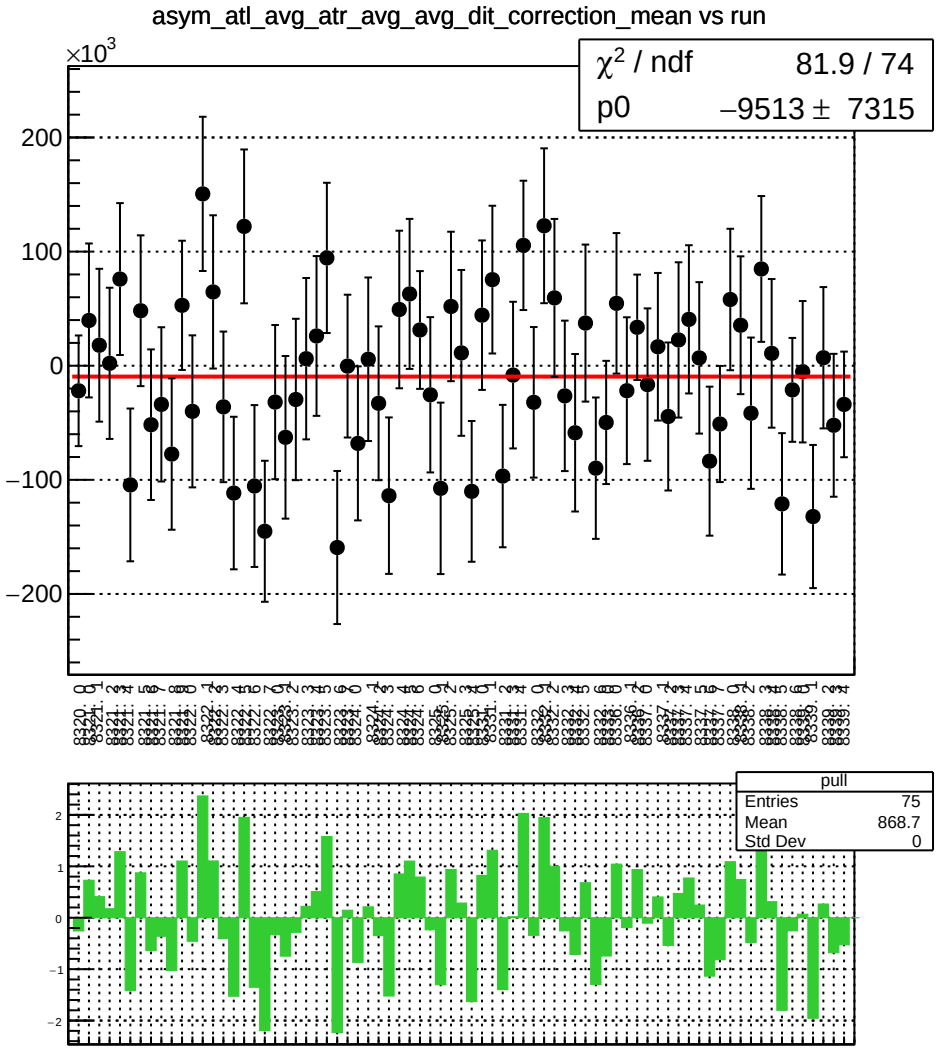
2
4
6
8

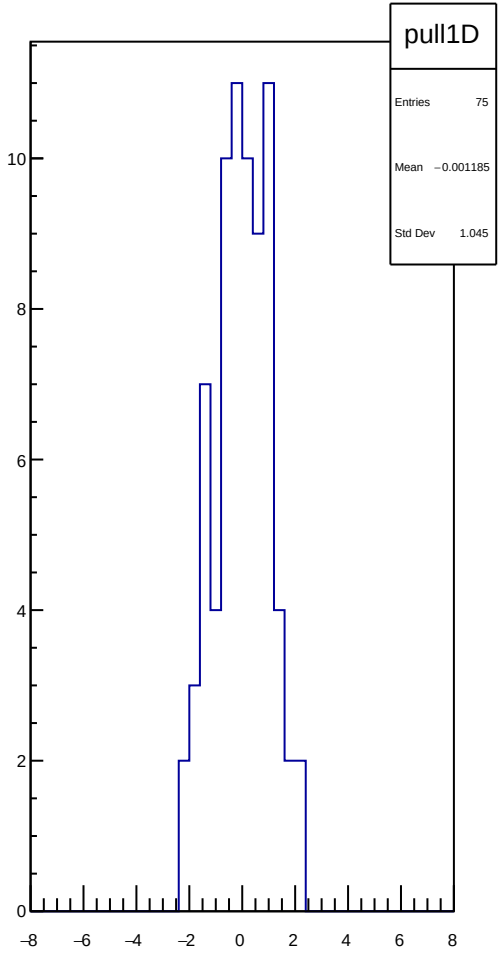

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1951 / 74
p0 6280 ± 5.165
7000
6800
6600
6400
6200
6000
5800
5600

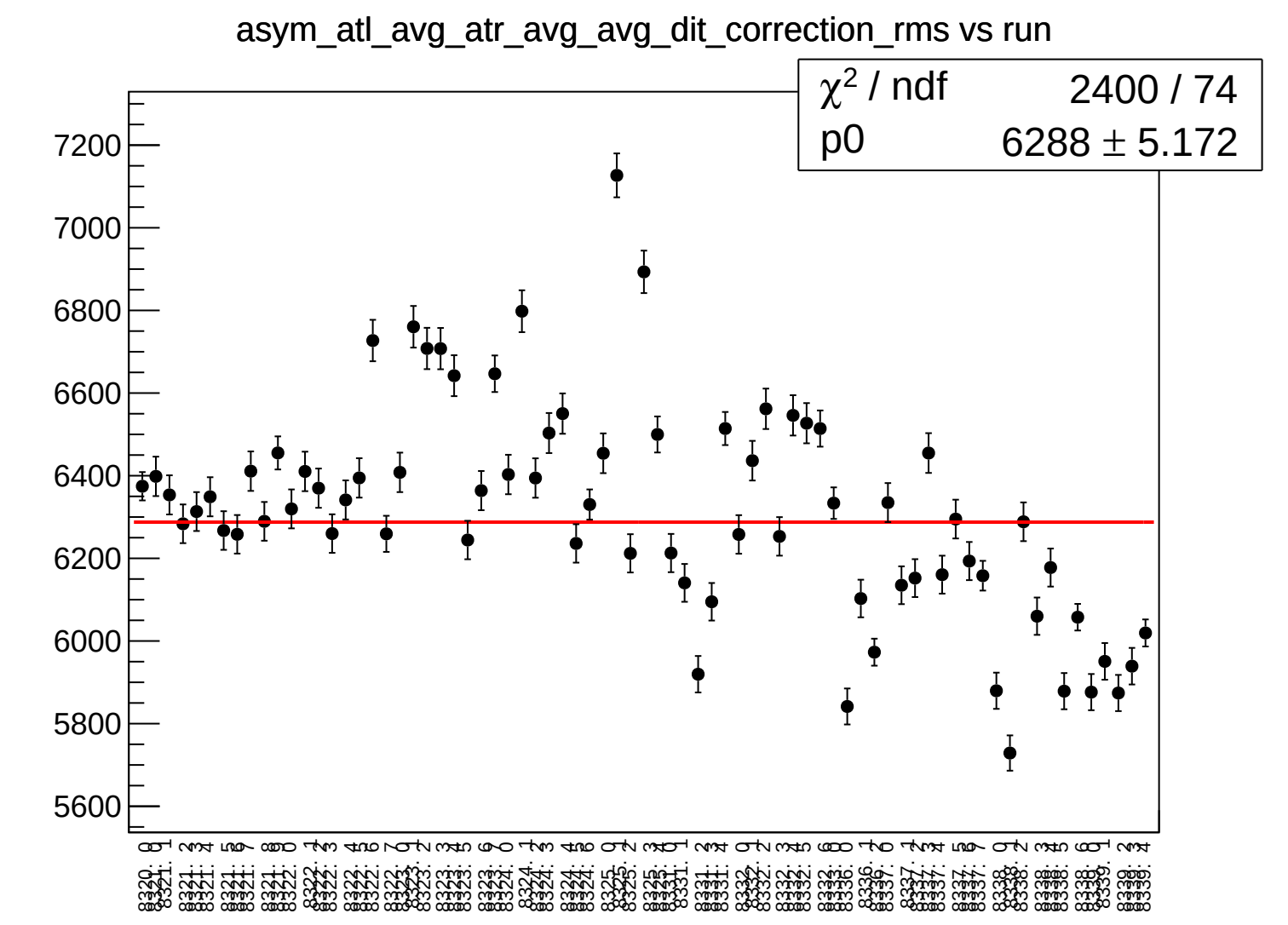

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.79 / 74
p0 −1400 ± 1512
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −750.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

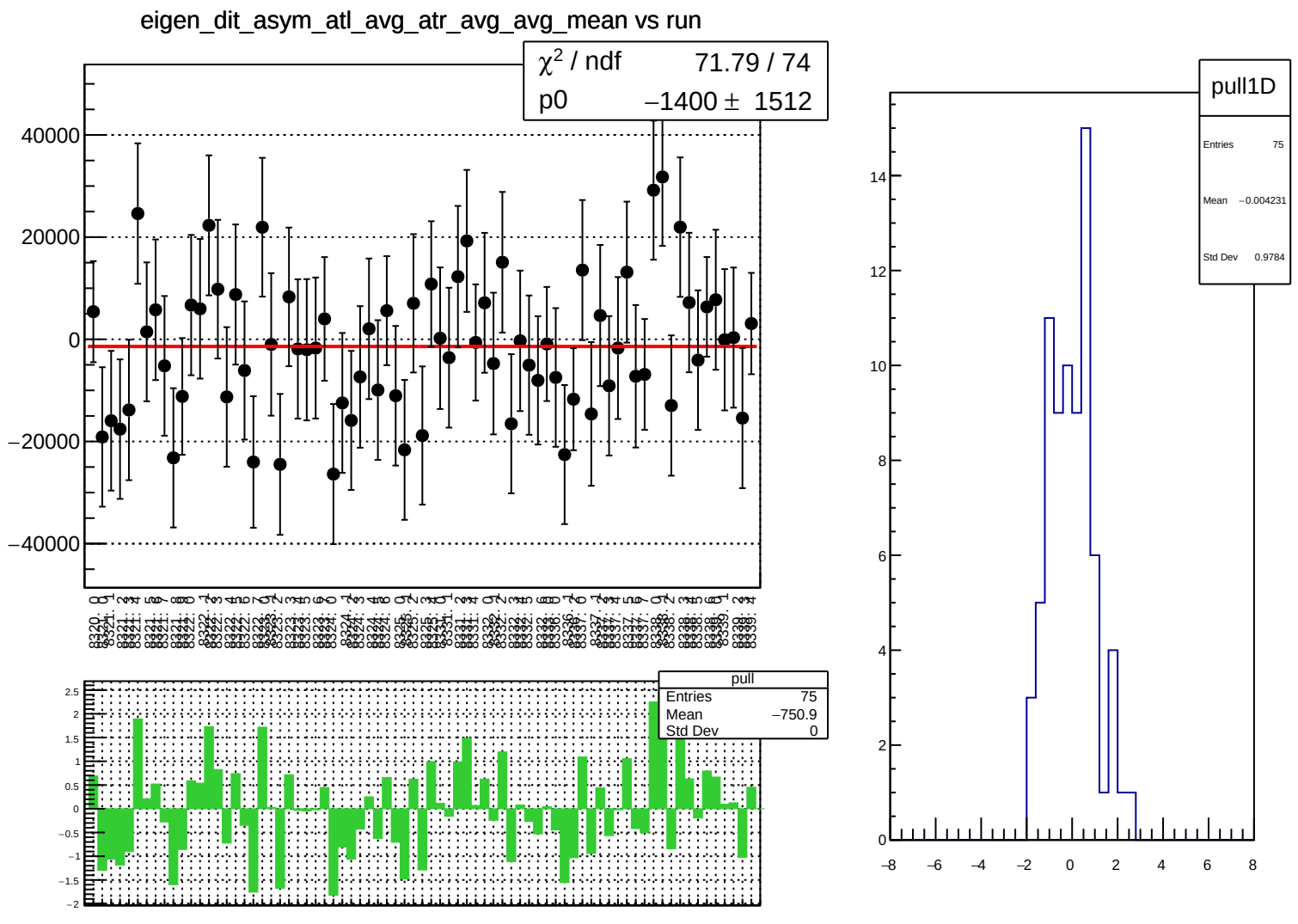

pull1D
Entries 75
Mean −0.004231
Std Dev 0.9784
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

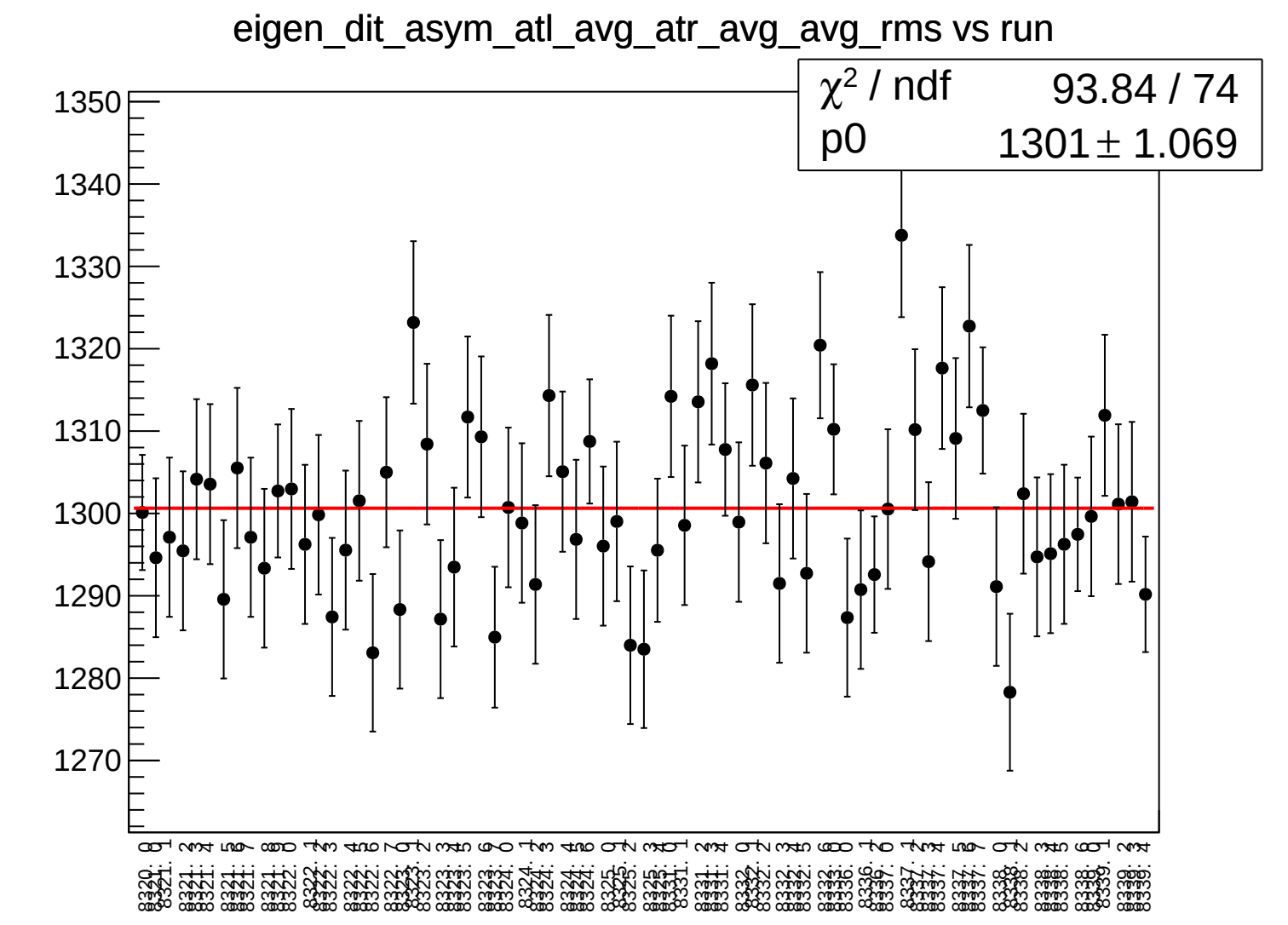

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 93.84 / 74
p0 1301 ± 1.069
1350
1340
1330
1320
1310
1300
1290
1280
1270

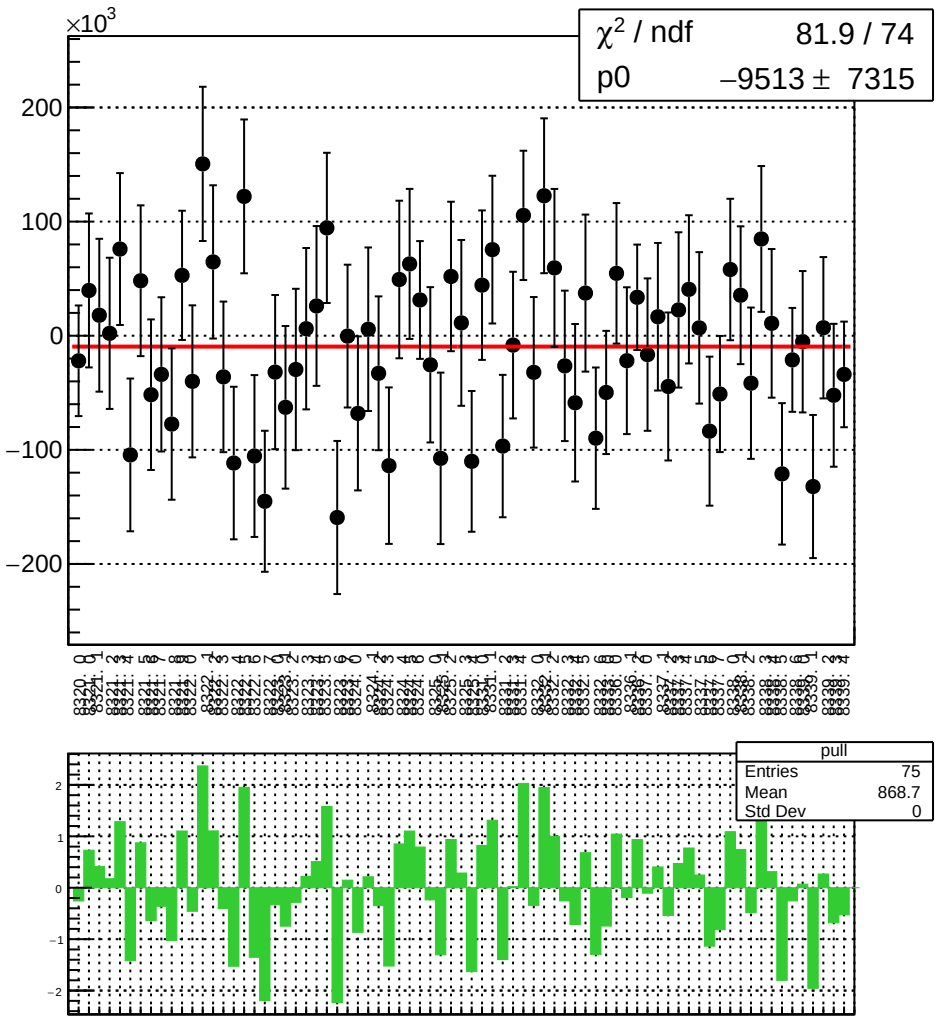

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.9 / 74
p0 −9513 ± 7315
200
100
0
−100
−200
pull
Entries 75
Mean 868.7
Std Dev 0
2
1
0
−1
−2

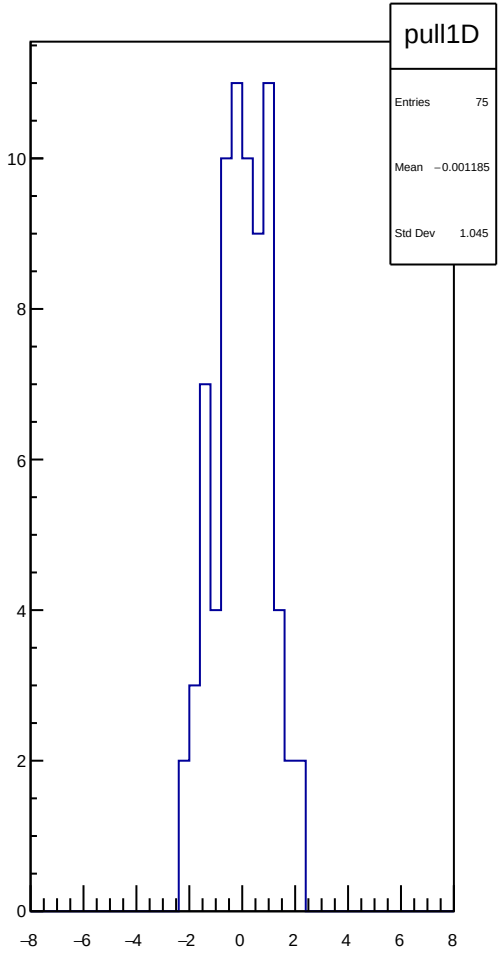

pull1D
Entries 75
Mean −0.001185
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

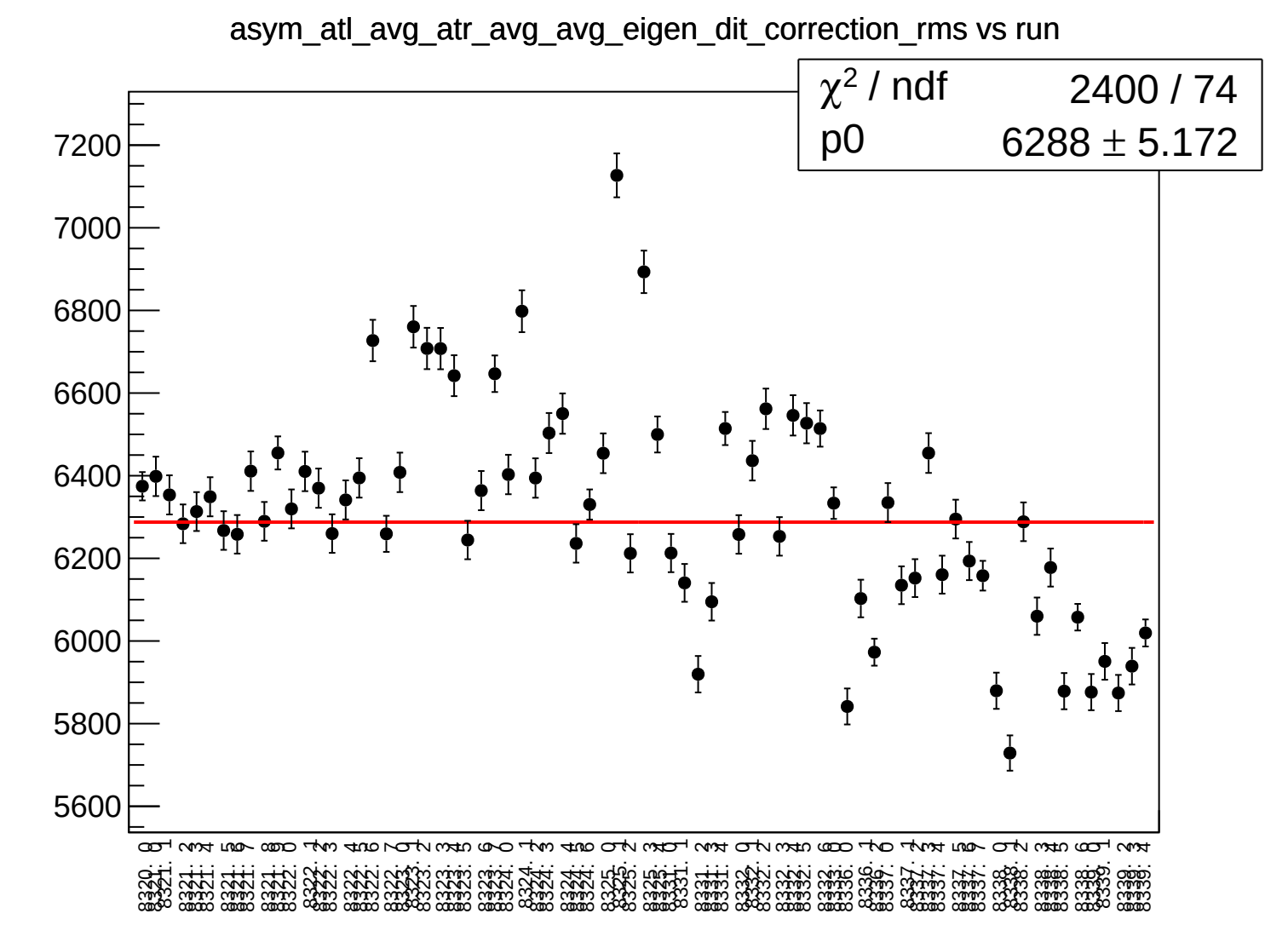

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 2400 / 74
p0 6288 ± 5.172
7200
7000
6800
6600
6400
6200
6000
5800
5600

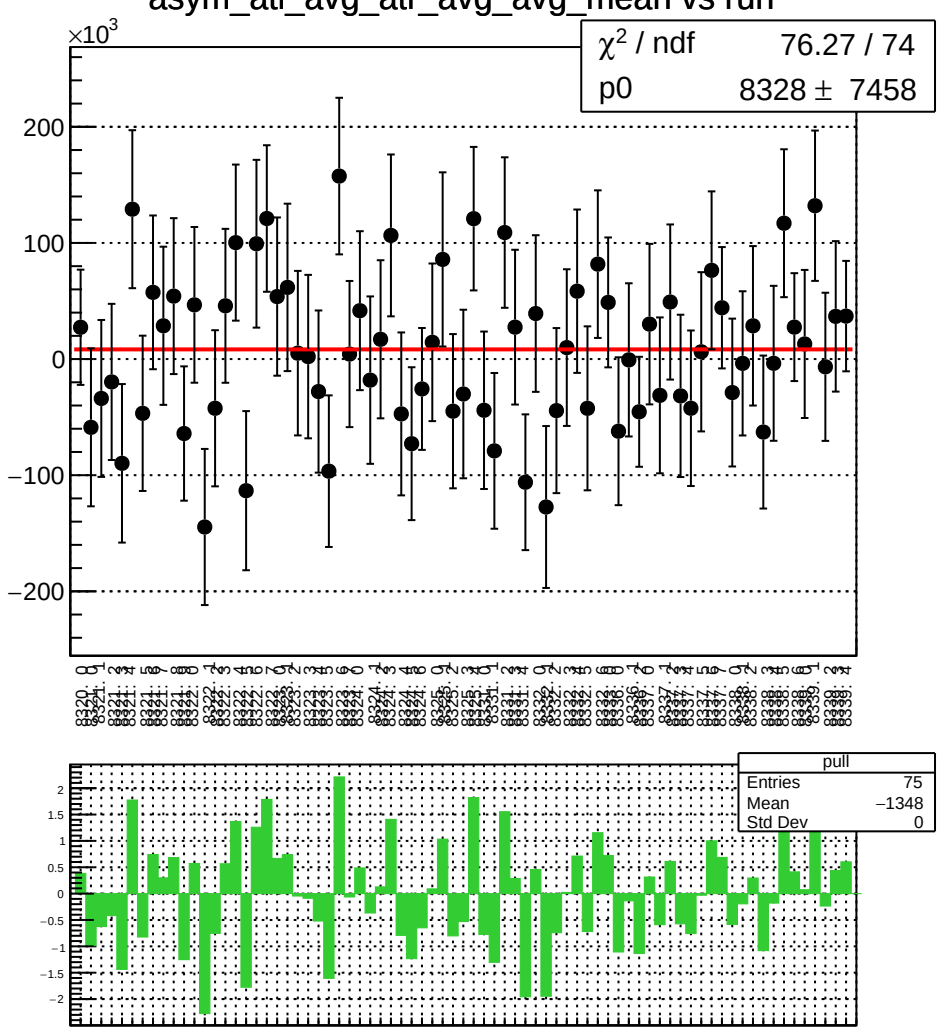

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.79 / 74
p0 −1400 ± 1512
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −750.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 75
Mean −0.004231
Std Dev 0.9784
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

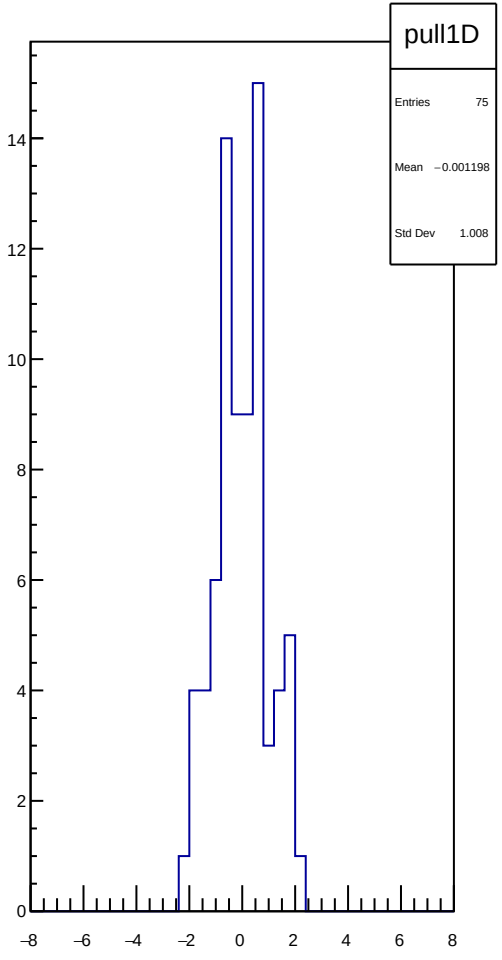

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 93.84 / 74
p0 1301 ± 1.069
1350
1340
1330
1320
1310
1300
1290
1280
1270

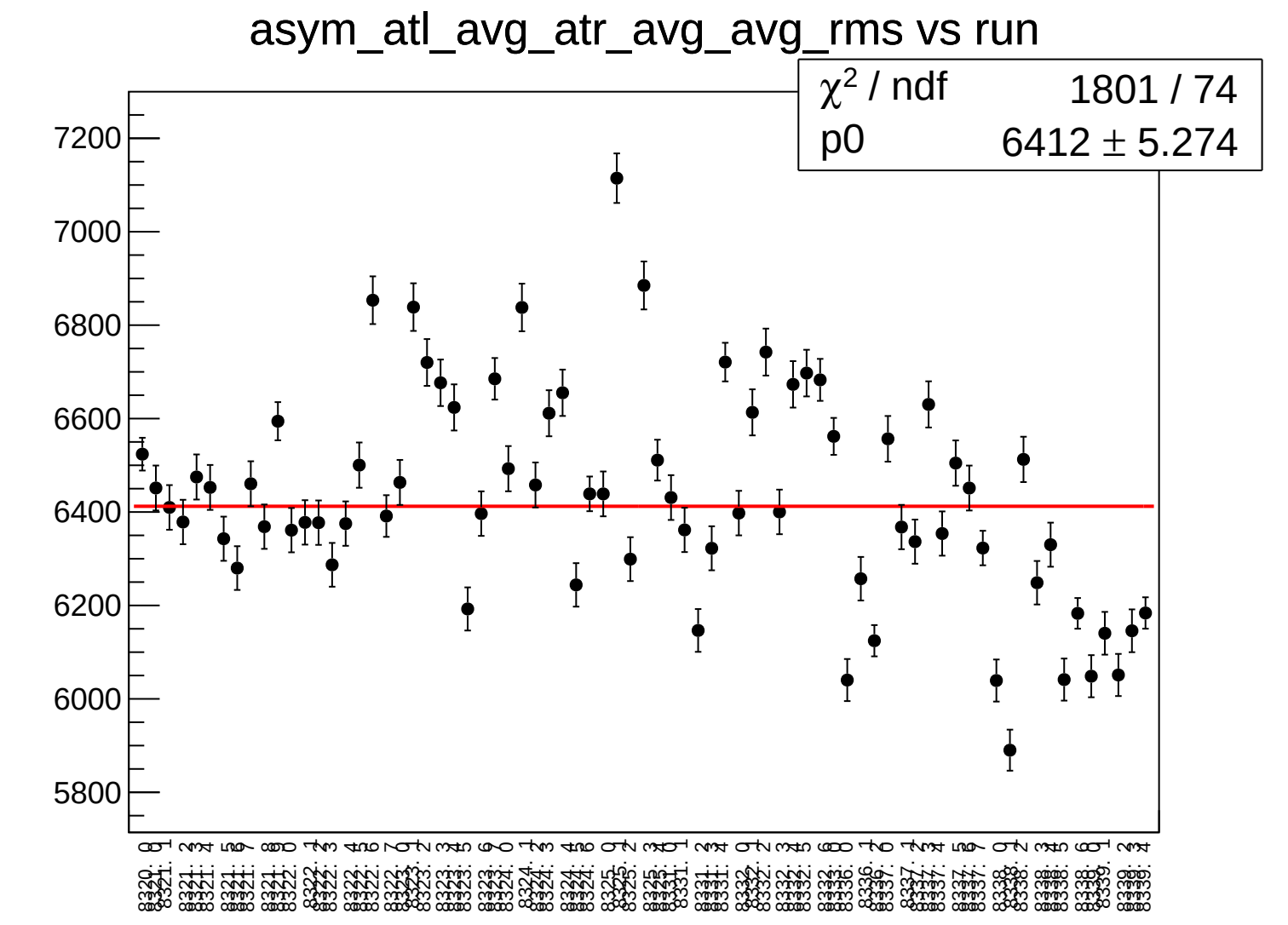

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.9 / 74
p0 −9513 ± 7315
200
100
0
−100
−200
pull
Entries 75
Mean 868.7
Std Dev 0
2
1
0
−1
−2

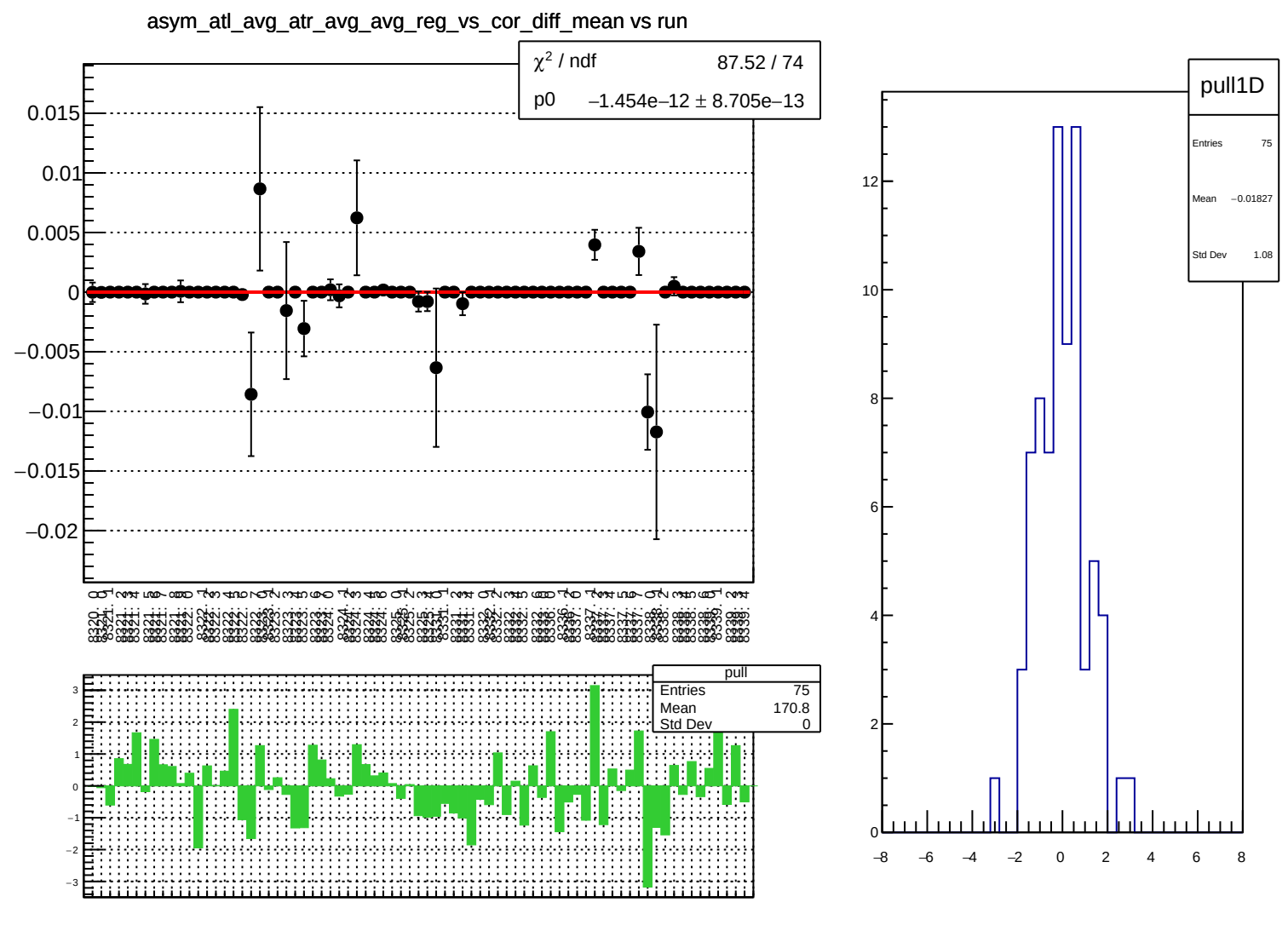

pull1D
Entries 75
Mean −0.001185
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

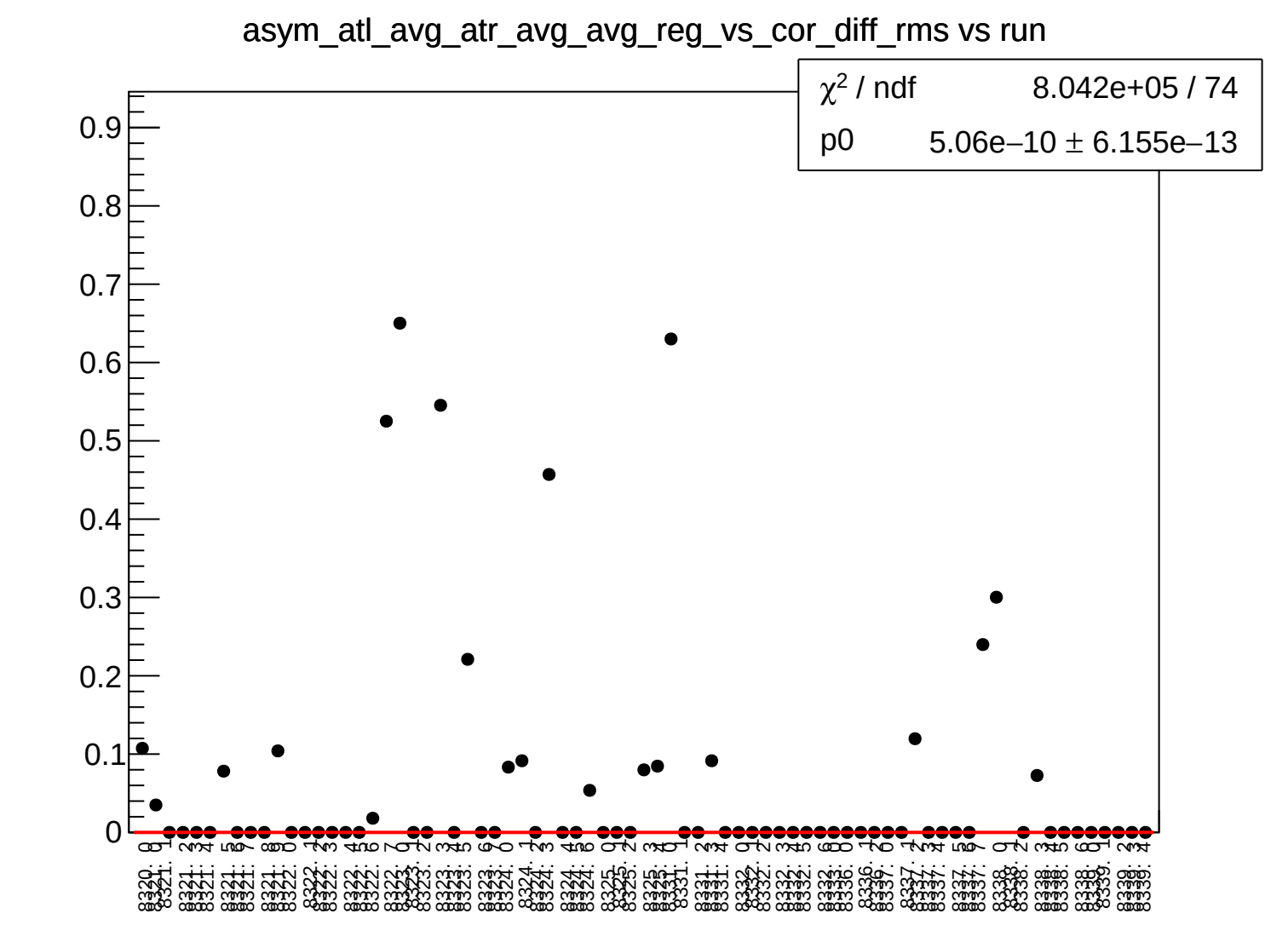

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2400 / 74
p0 6288 ± 5.172
7200
7000
6800
6600
6400
6200
6000
5800
5600

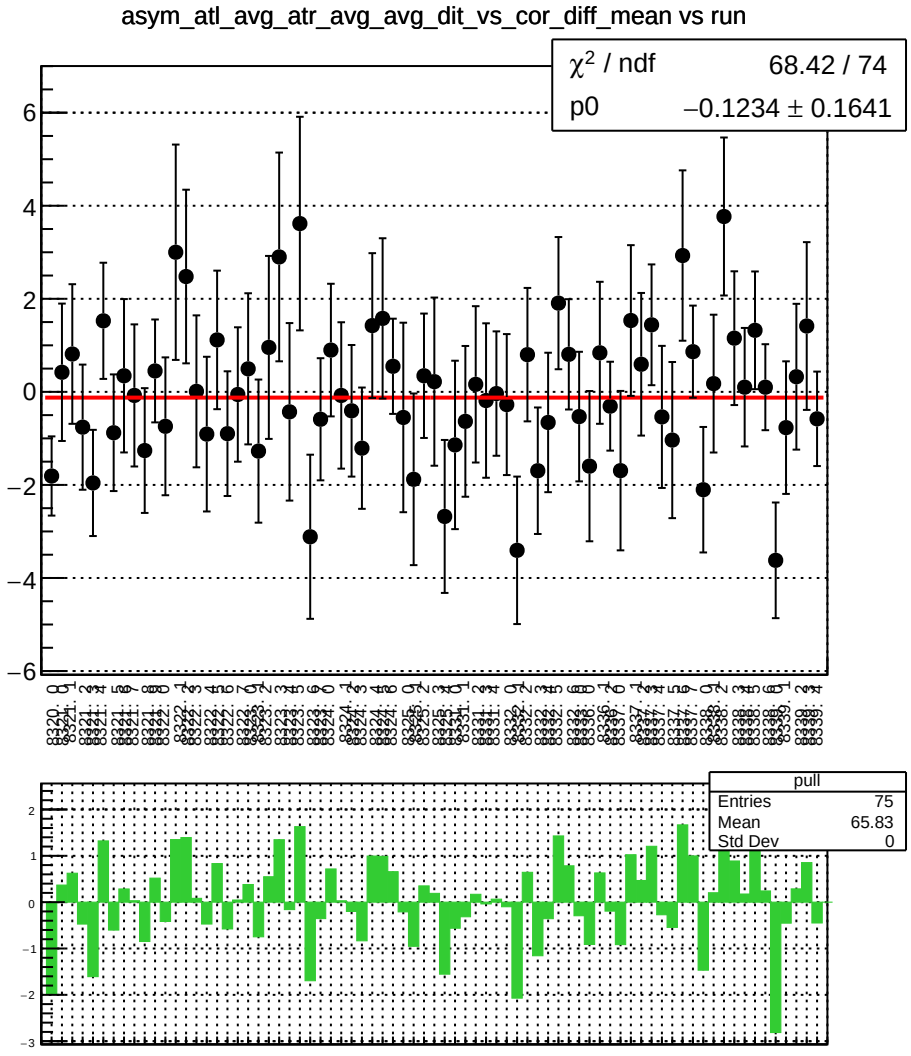

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 76.27 / 74
p0 8328 ± 7458
×10³
200
100
0
−100
−200
pull
Entries 75
Mean −1348
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

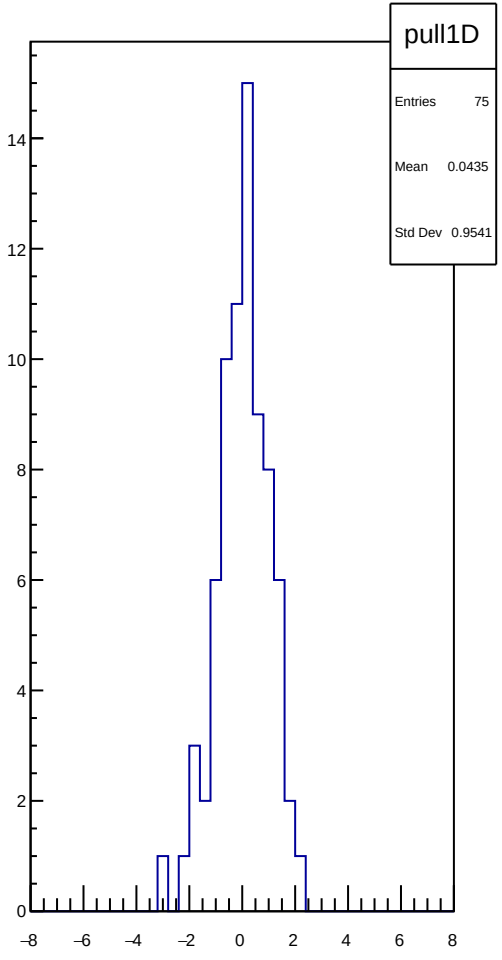

pull1D
Entries 75
Mean −0.001198
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

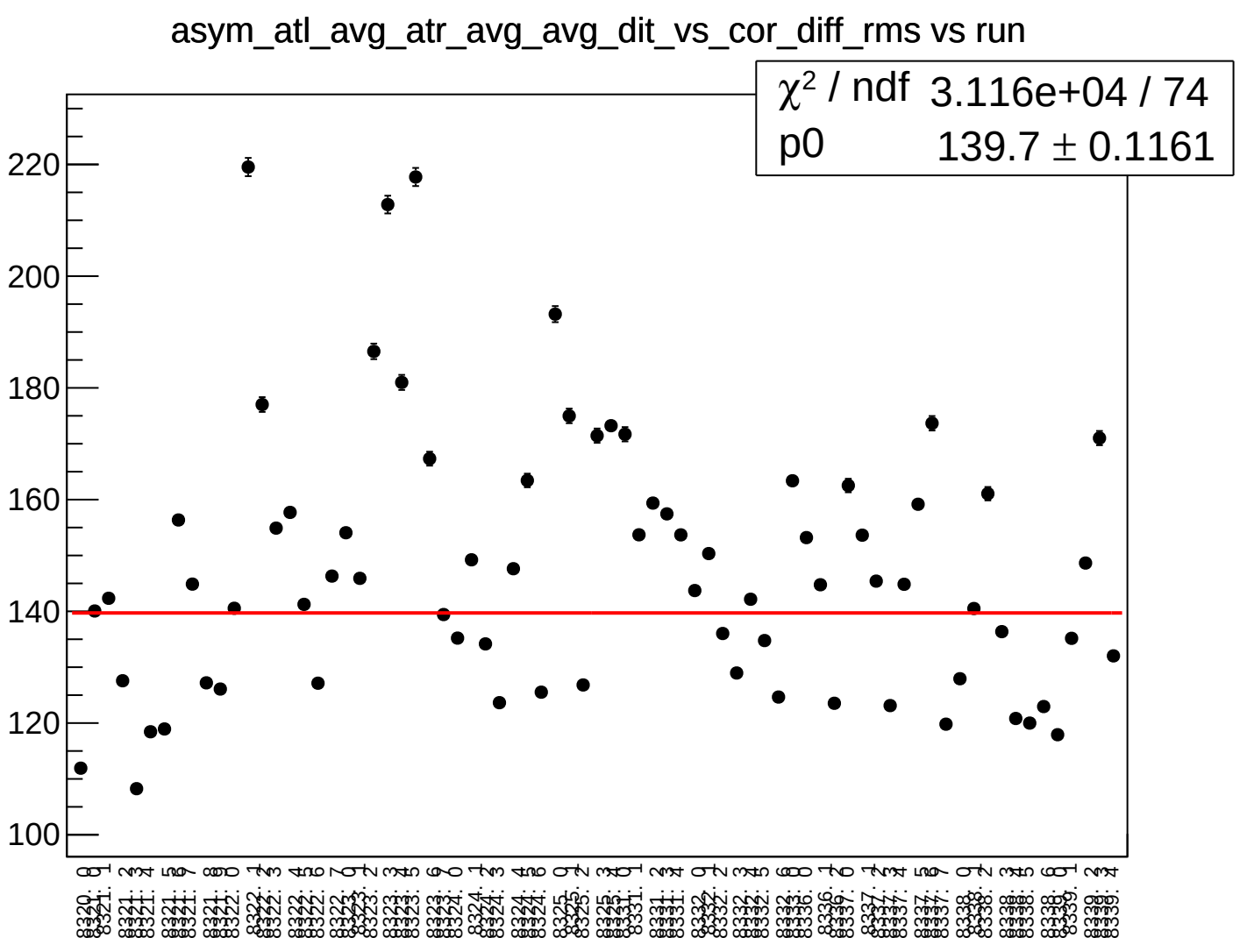

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1801 / 74
p0 6412 ± 5.274
7200
7000
6800
6600
6400
6200
6000
5800

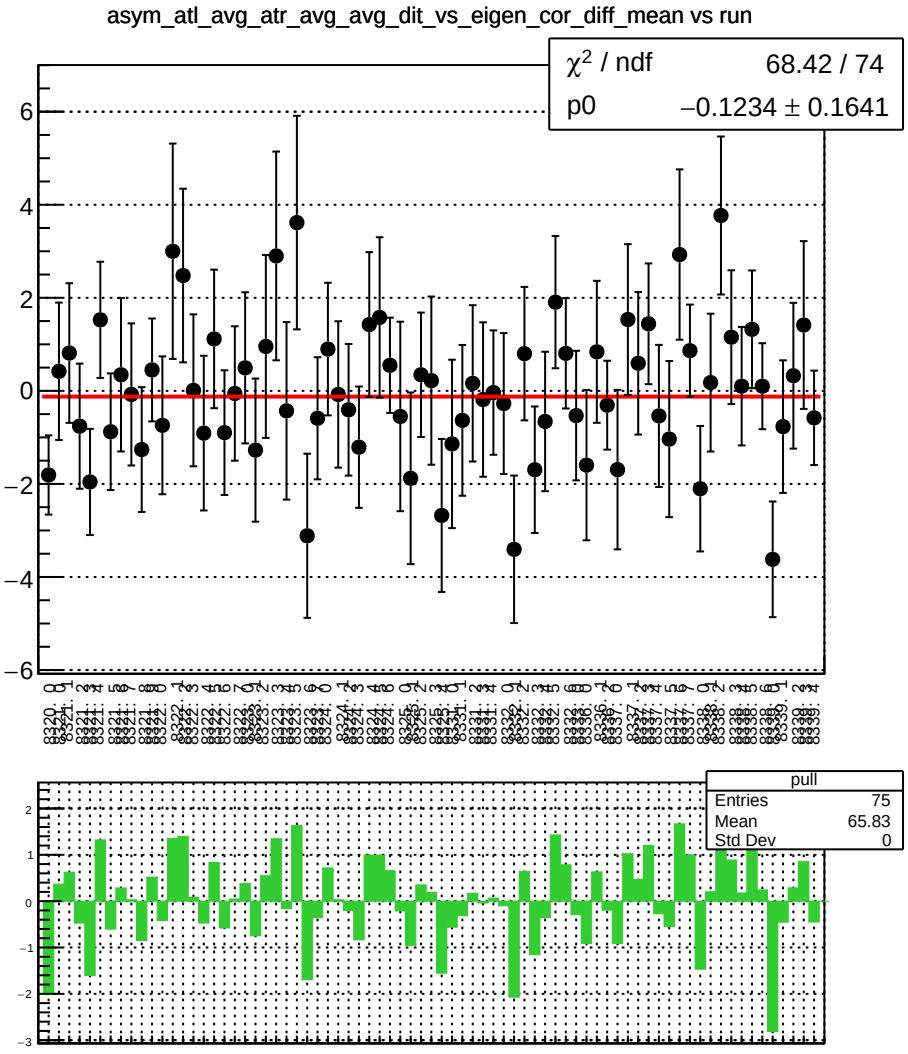

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.52 / 74
p0 −1.454e−12 ± 8.705e−13
pull
Entries 75
Mean 170.8
Std Dev 0
pull1D
Entries 75
Mean −0.01827
Std Dev 1.08

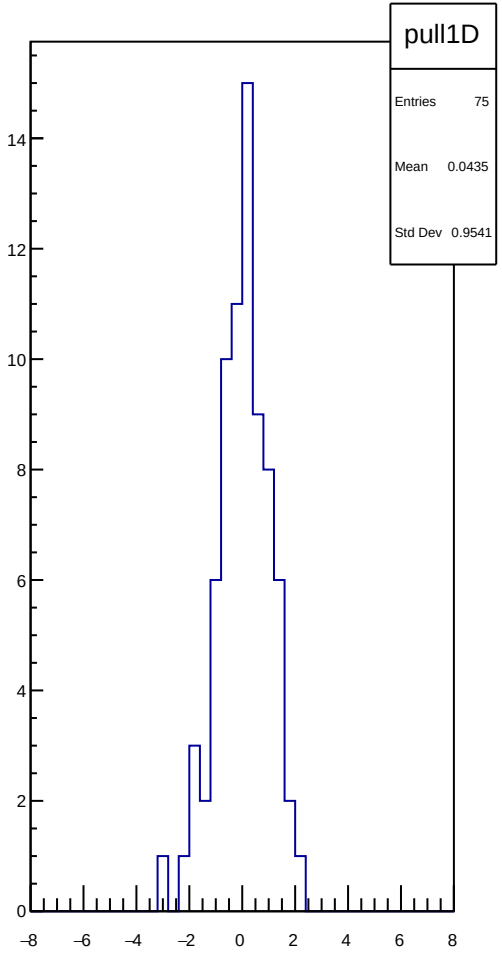

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.042e+05 / 74
p0 5.06e−10 ± 6.155e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

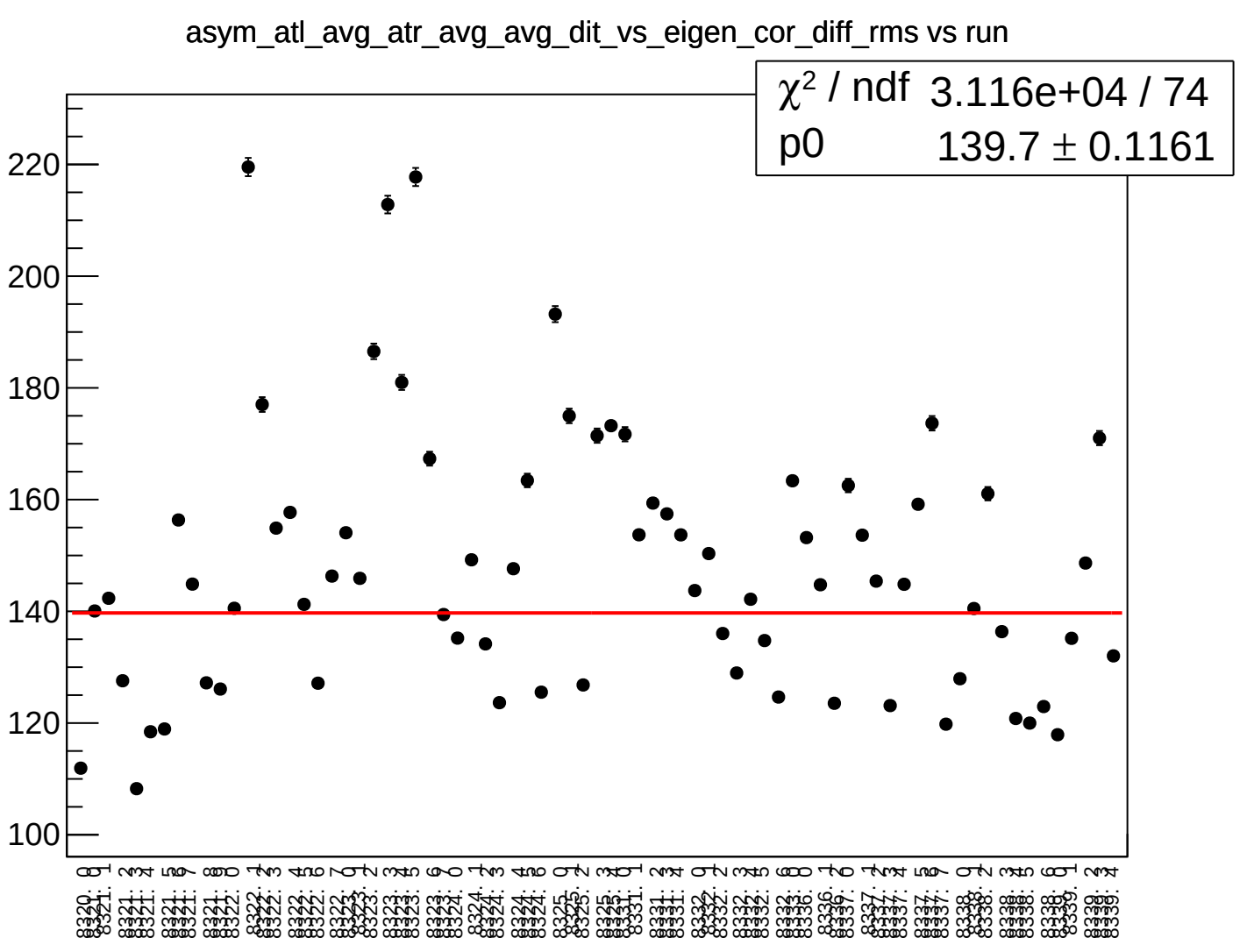

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.42 / 74
p0 −0.1234 ± 0.1641
pull
Entries 75
Mean 65.83
Std Dev 0

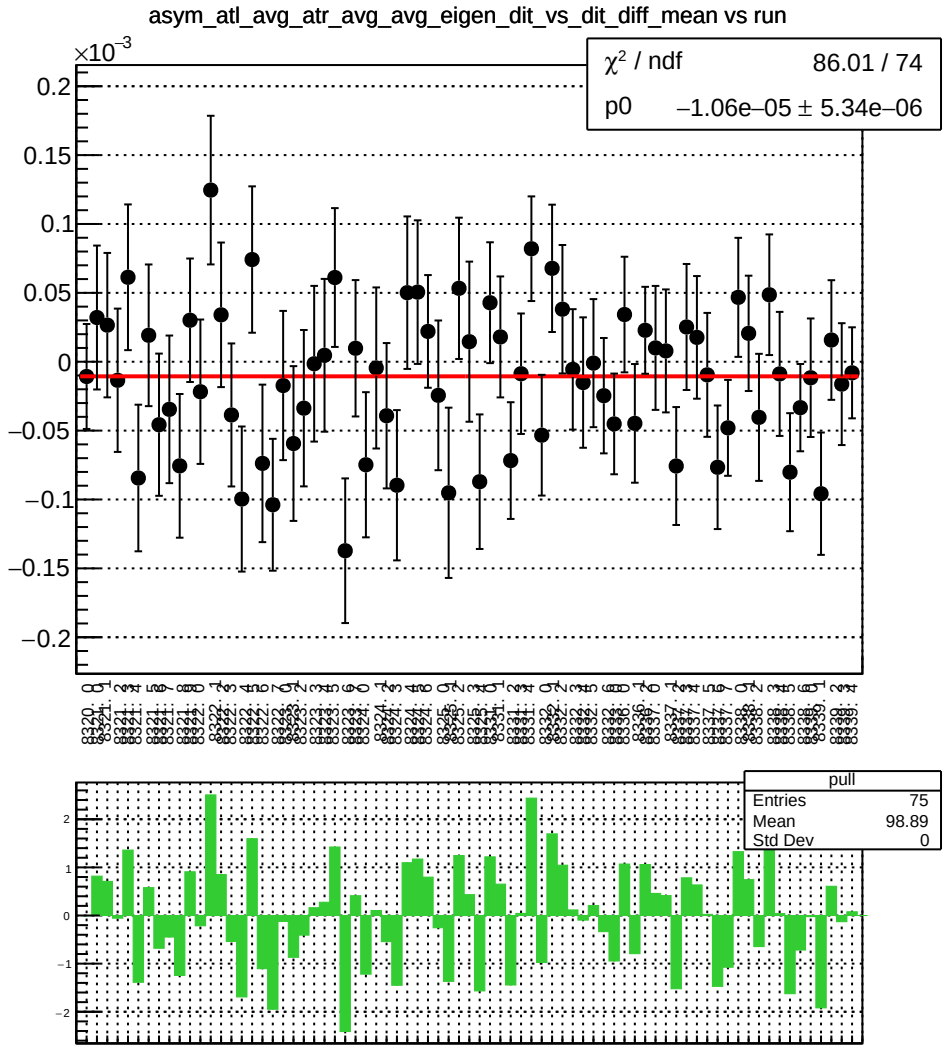

pull1D
Entries 75
Mean 0.0435
Std Dev 0.9541

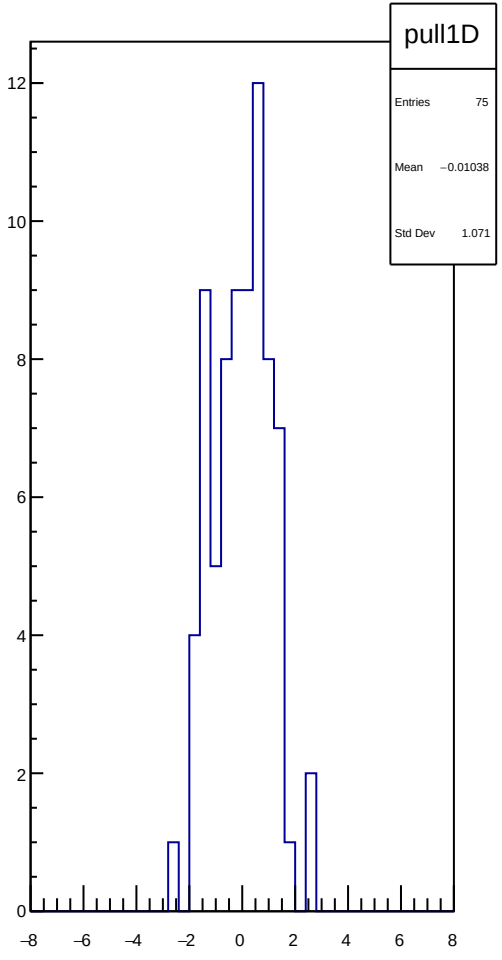

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.116e+04 / 74
p0 139.7 ± 0.1161
220
200
180
160
140
120
100

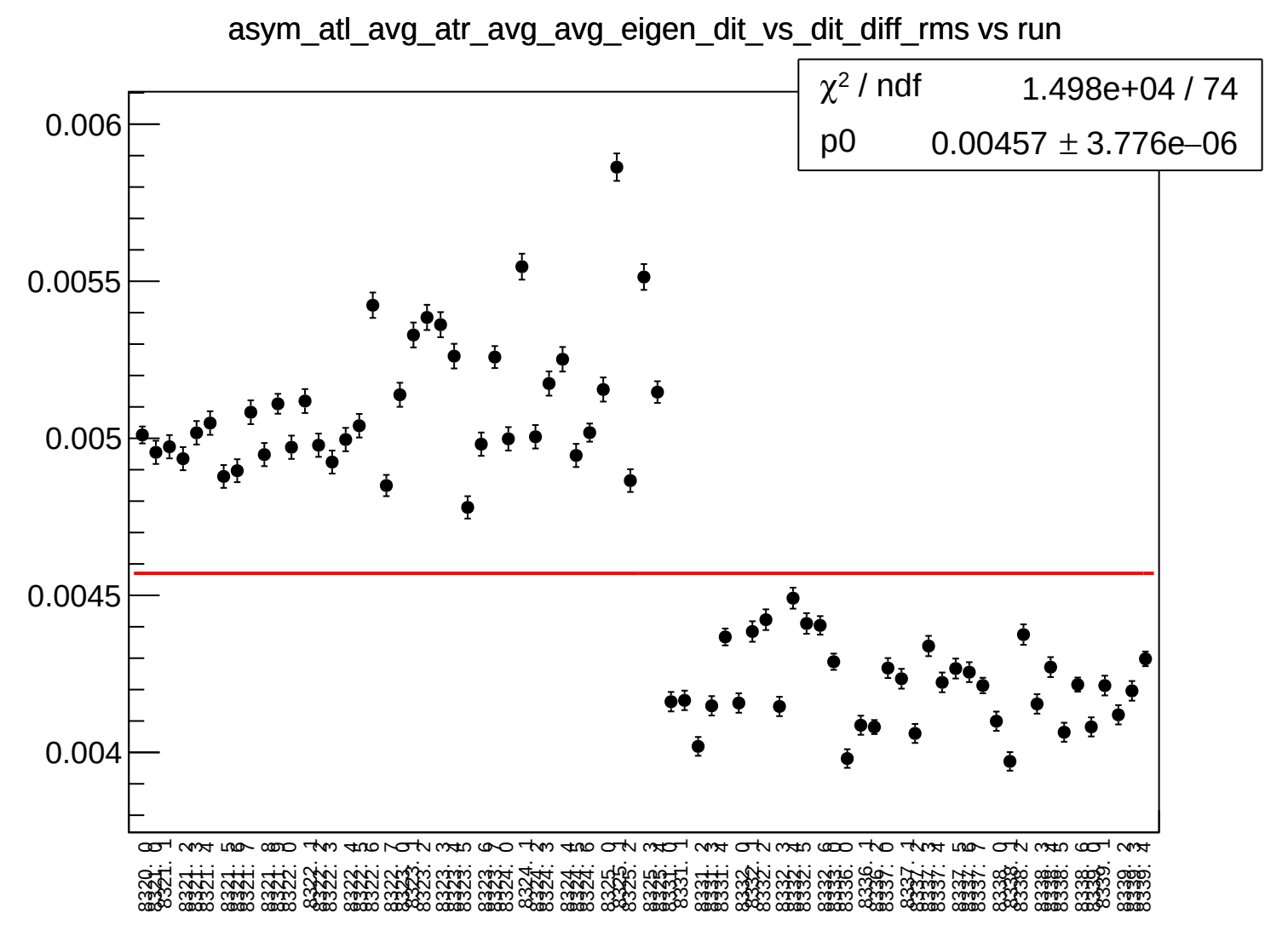

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.42 / 74
p0 −0.1234 ± 0.1641
pull
Entries 75
Mean 65.83
Std Dev 0

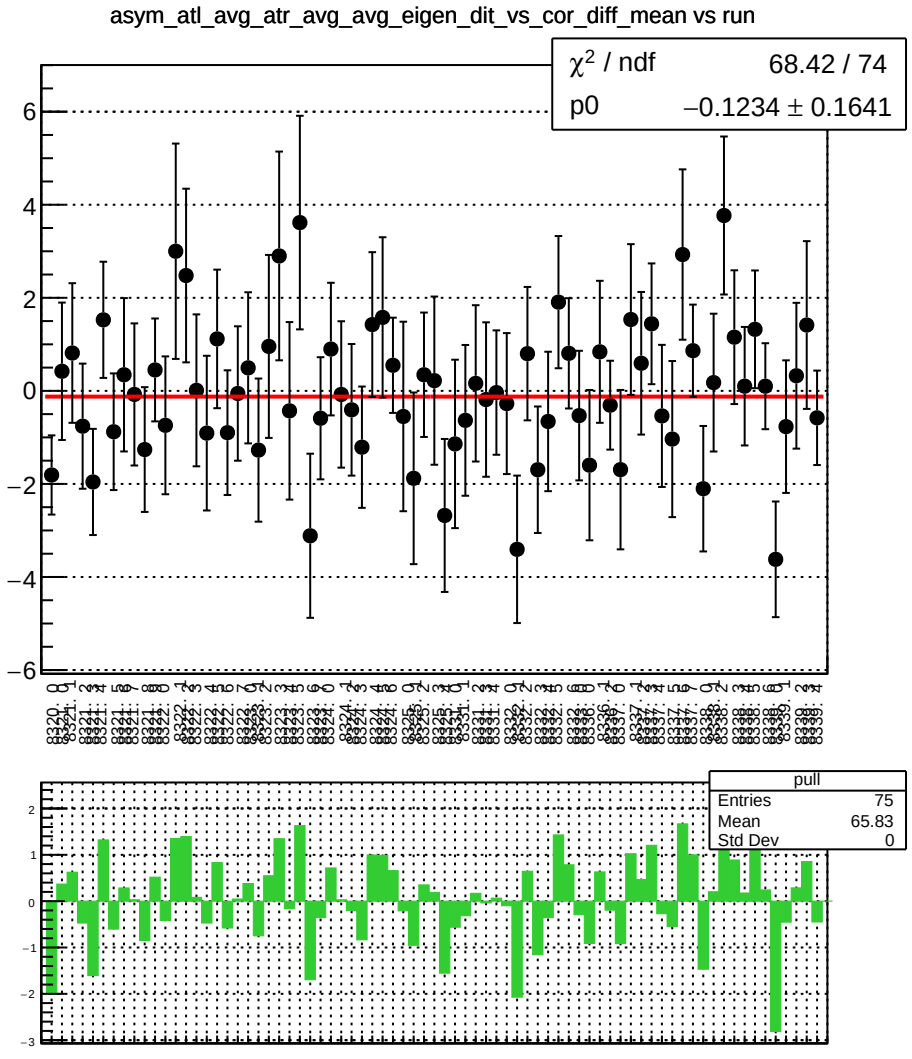

pull1D
Entries 75
Mean 0.0435
Std Dev 0.9541

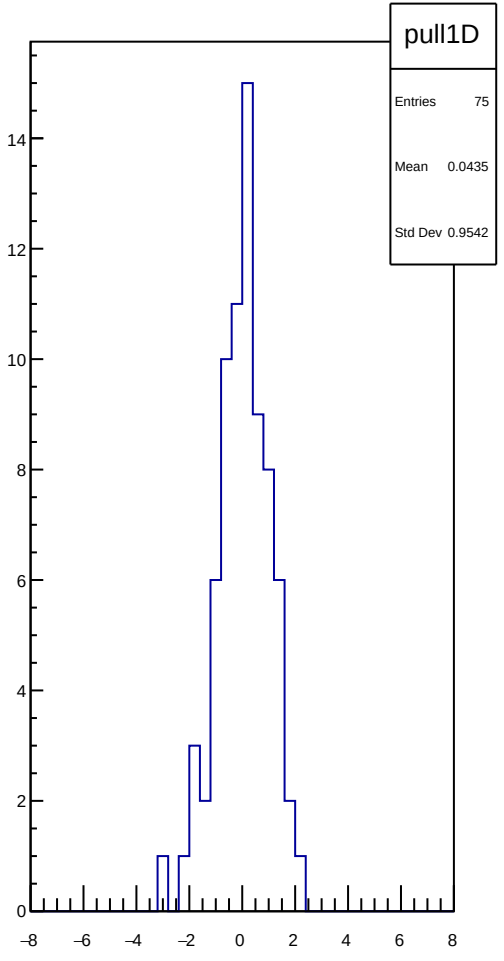

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.116e+04 / 74
p0 139.7 ± 0.1161
220
200
180
160
140
120
100

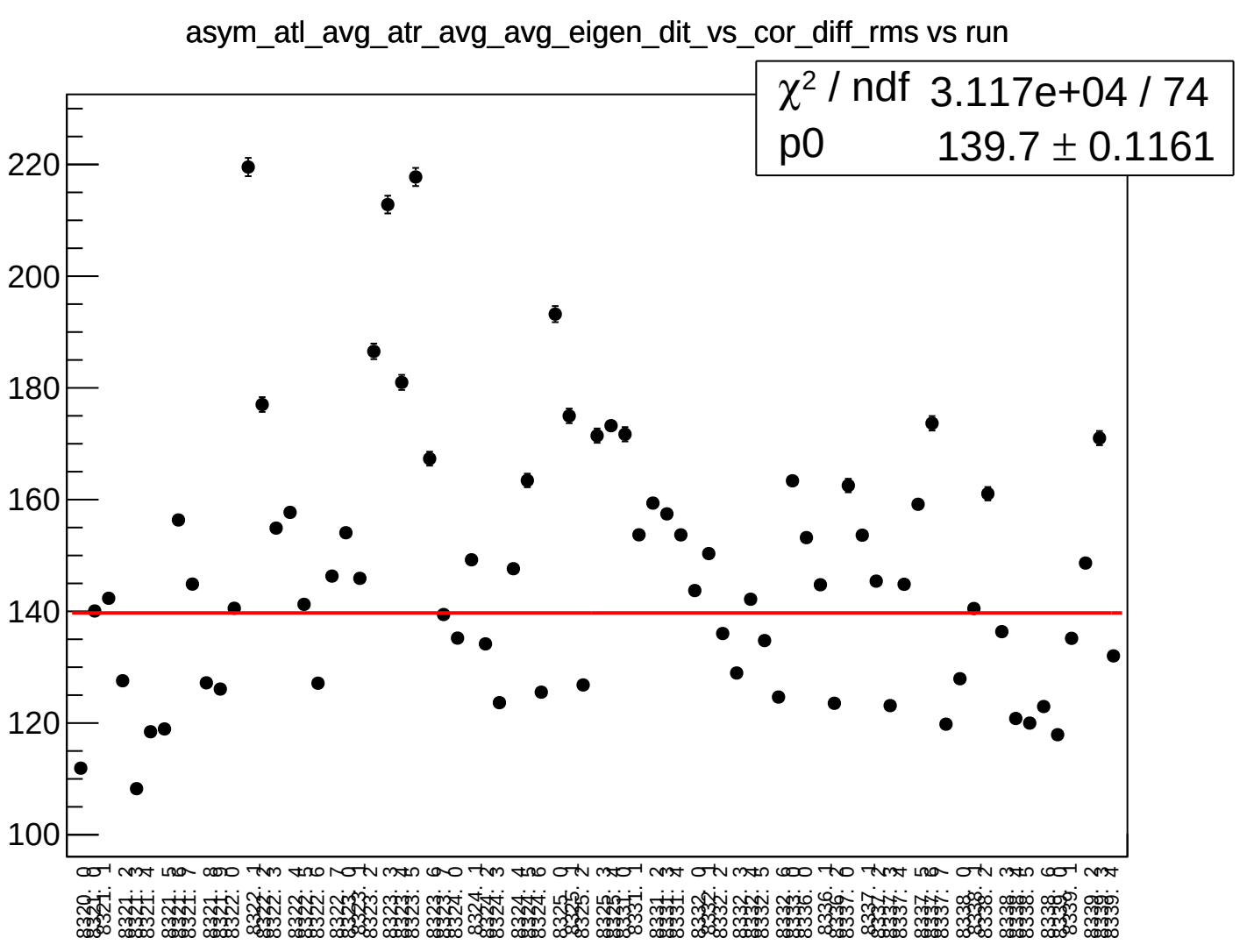

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.01 / 74
p0 −1.06e−05 ± 5.34e−06
pull
Entries 75
Mean 98.89
Std Dev 0

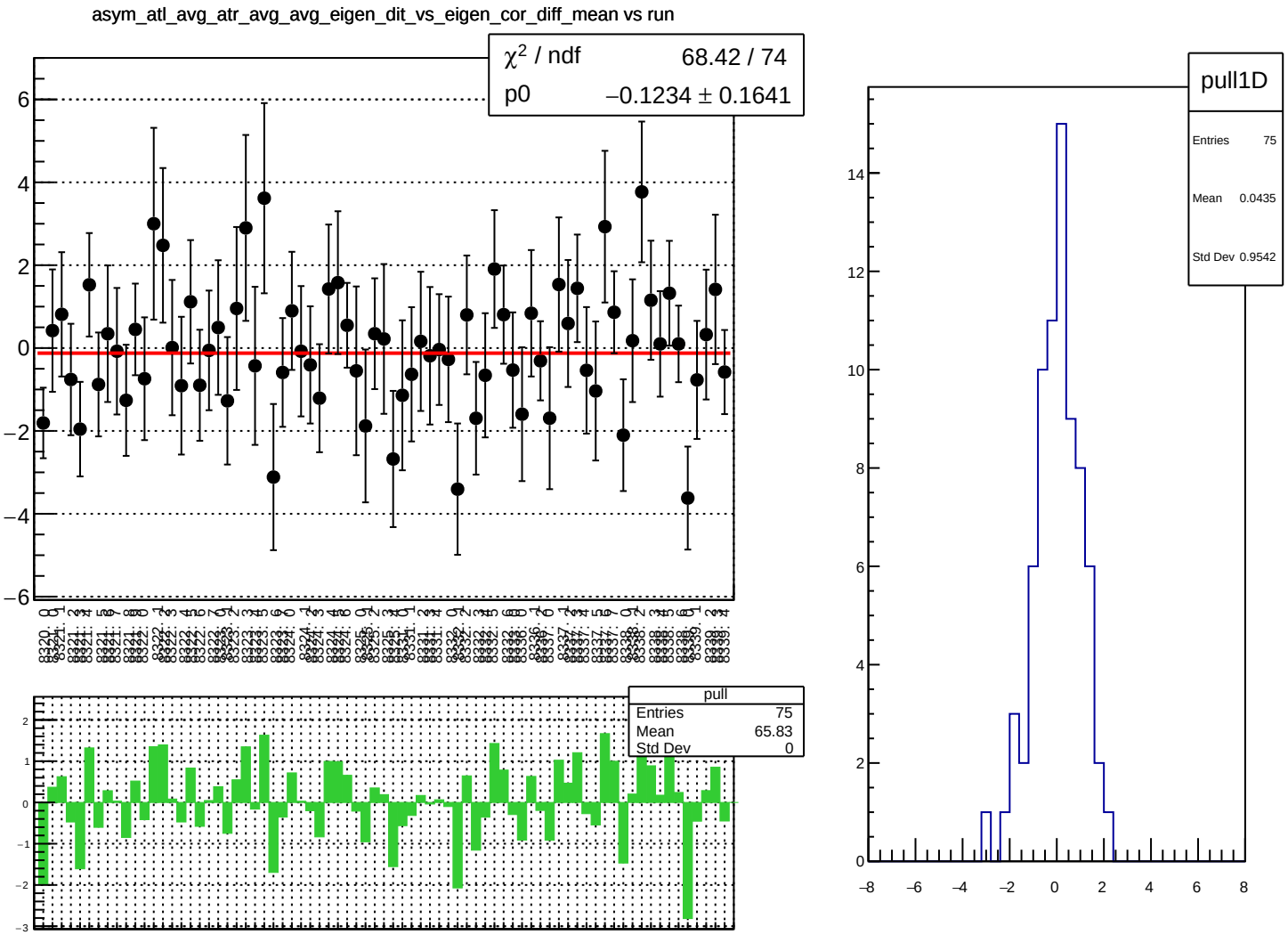

pull1D
Entries 75
Mean −0.01038
Std Dev 1.071

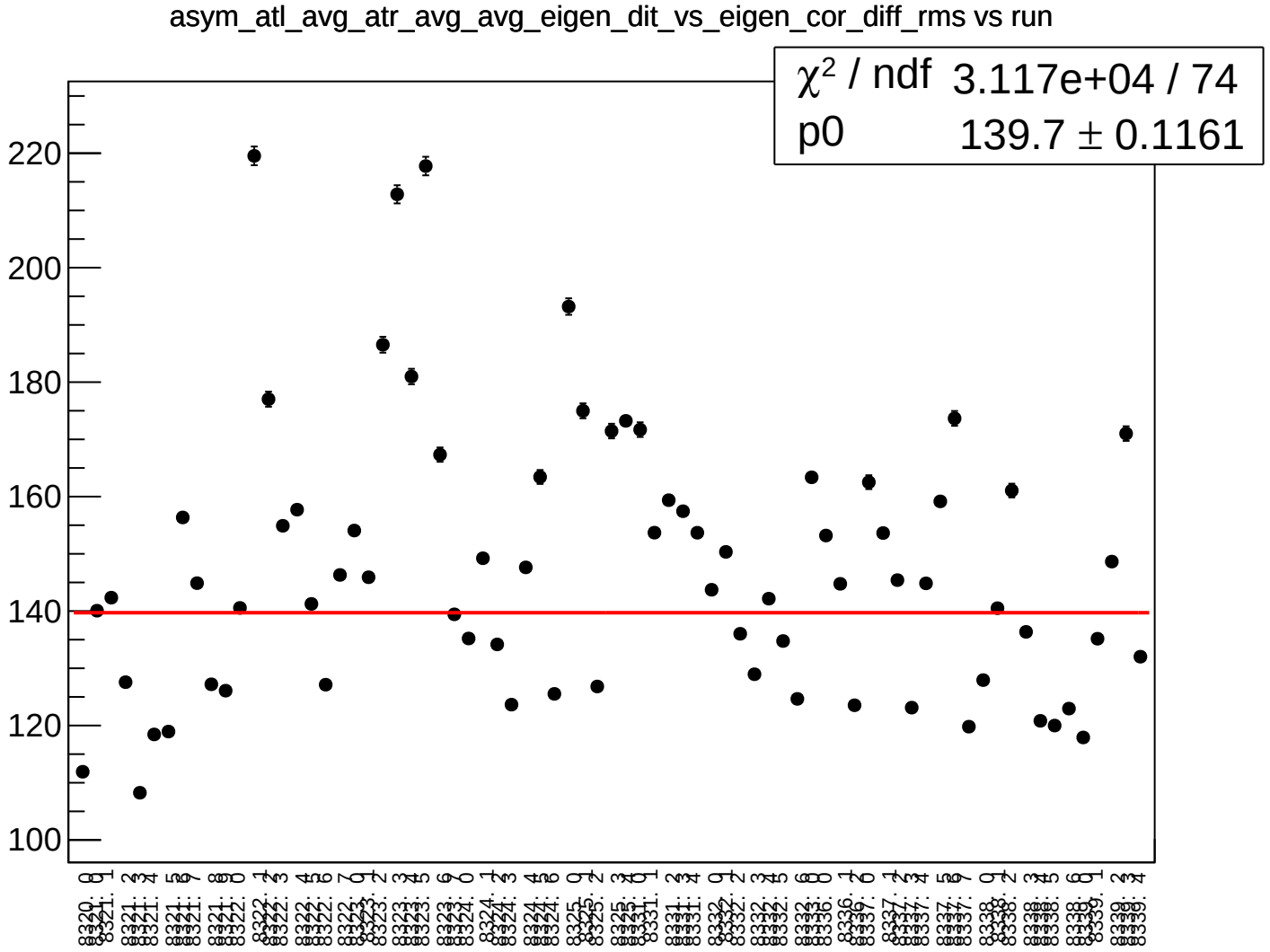

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.498e+04 / 74
p0 0.00457 ± 3.776e–06
0.006
0.0055
0.005
0.0045
0.004

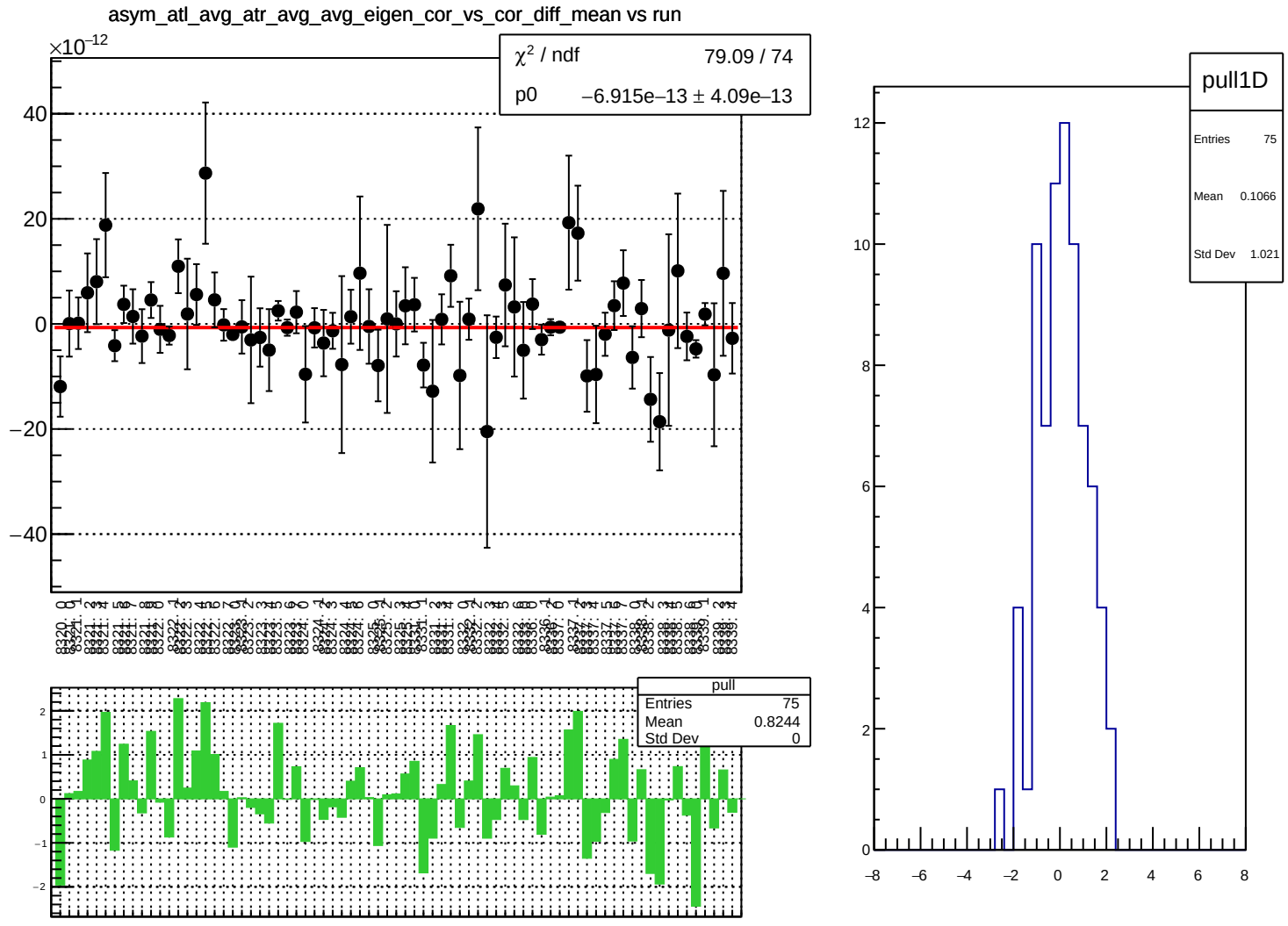

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.42 / 74
p0 −0.1234 ± 0.1641
pull
Entries 75
Mean 65.83
Std Dev 0

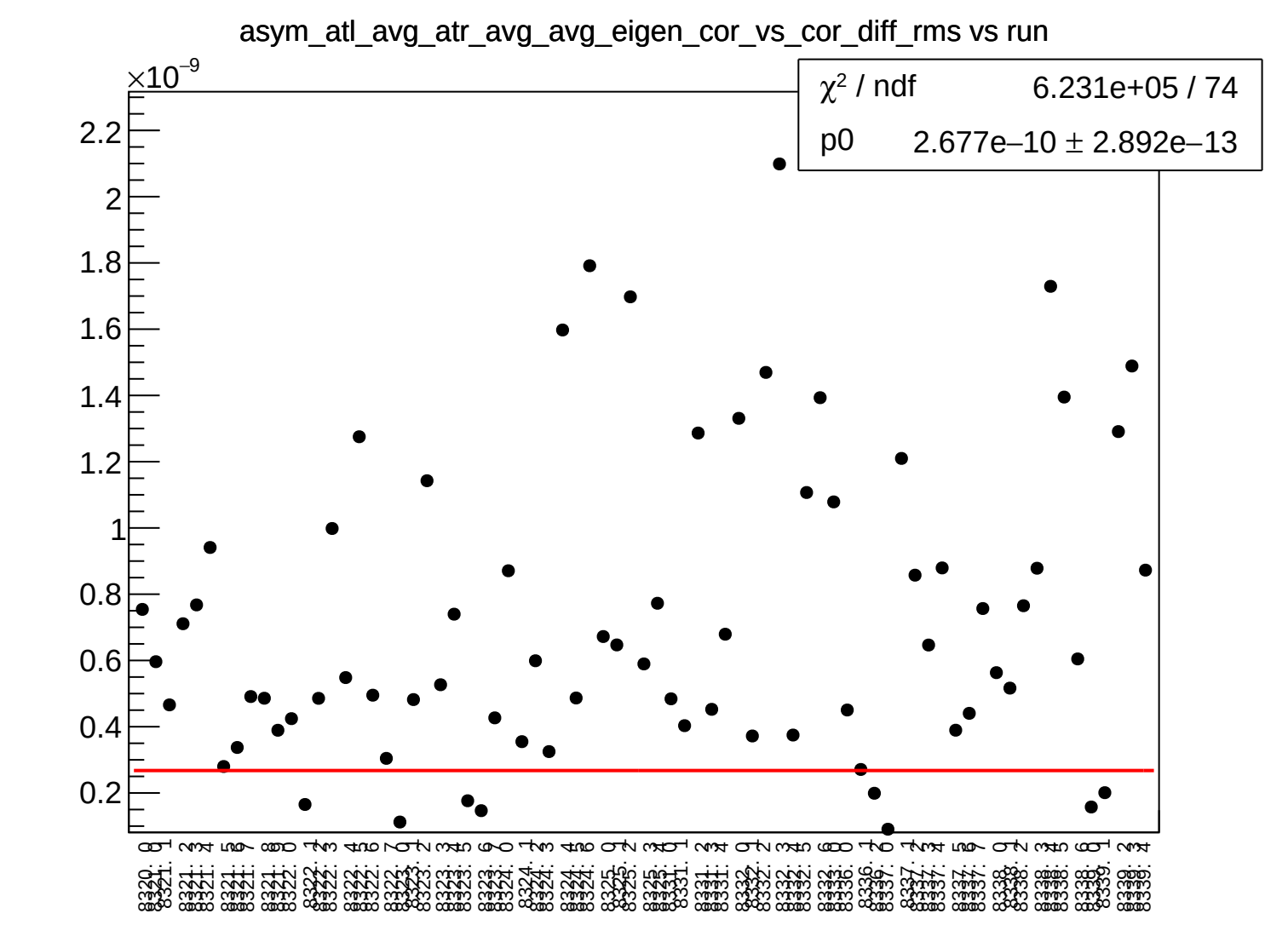

pull1D
Entries 75
Mean 0.0435
Std Dev 0.9542

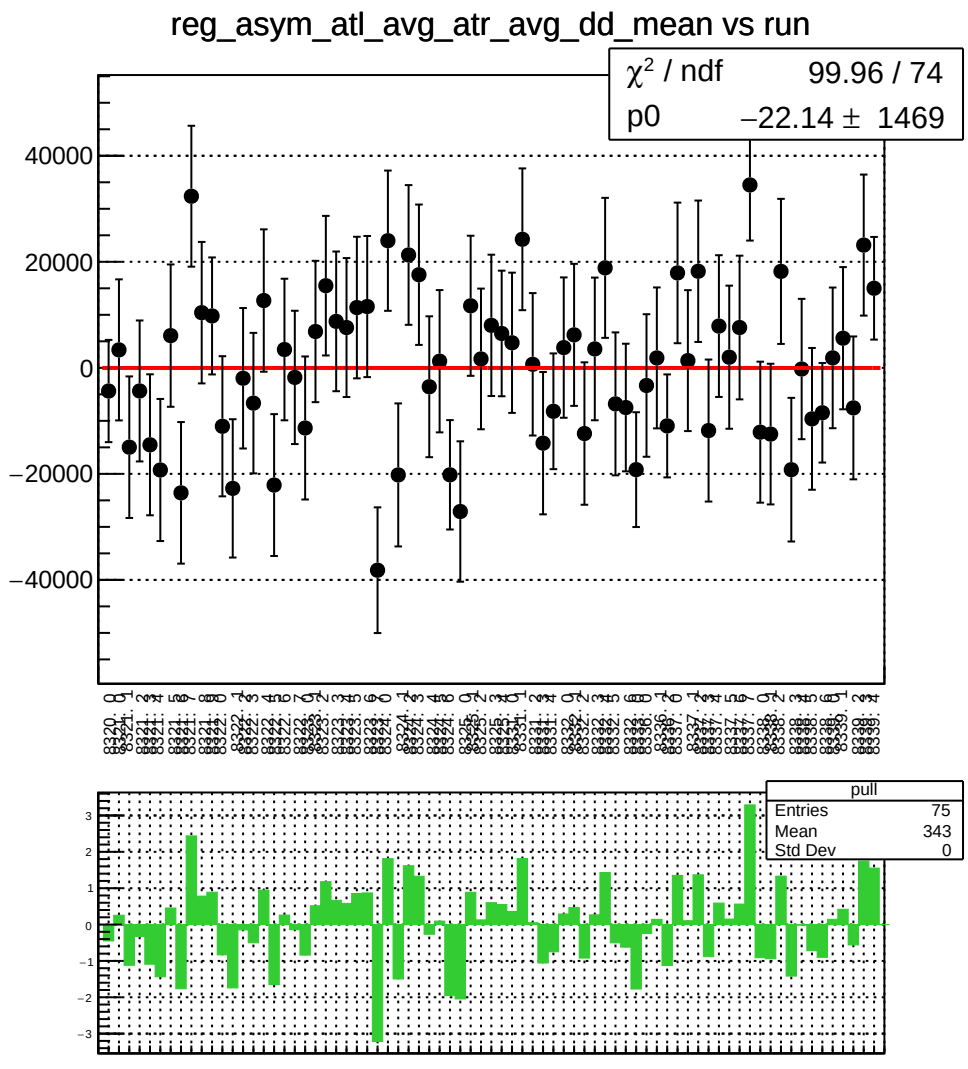

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.117e+04 / 74
p0 139.7 ± 0.1161
220
200
180
160
140
120
100

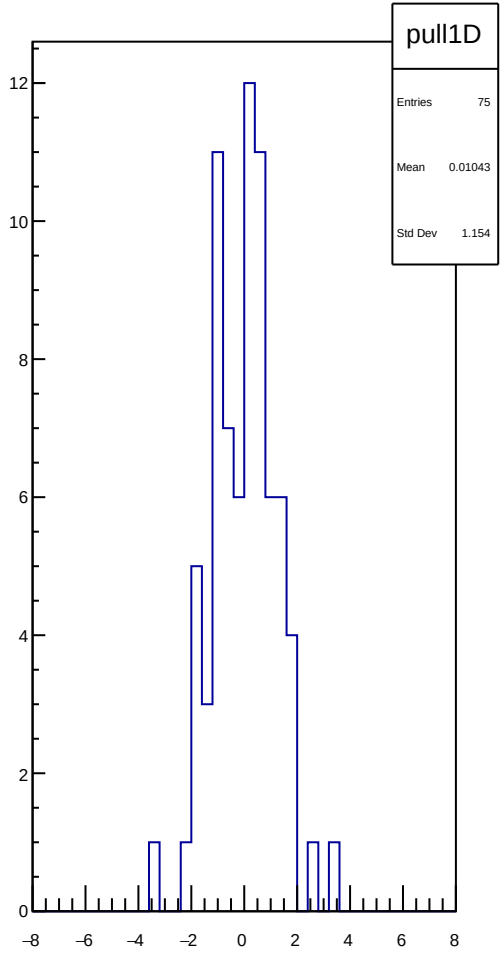

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.42 / 74
p0 −0.1234 ± 0.1641
pull
Entries 75
Mean 65.83
Std Dev 0
pull1D
Entries 75
Mean 0.0435
Std Dev 0.9542

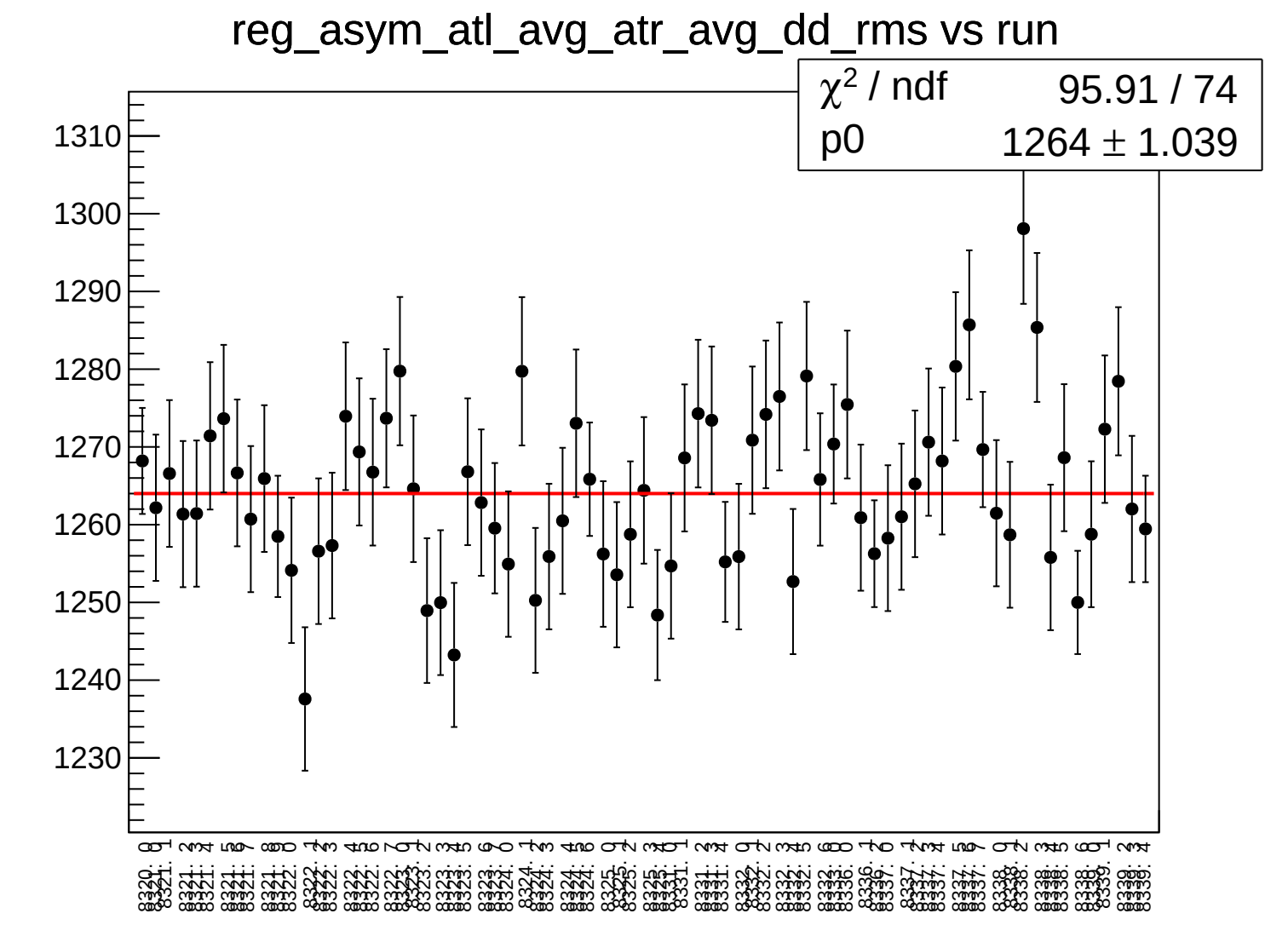

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.117e+04 / 74
p0 139.7 ± 0.1161
220
200
180
160
140
120
100


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 79.09 / 74
p0 −6.915e−13 ± 4.09e−13
40
20
0
−20
−40
pull
Entries 75
Mean 0.8244
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.1066
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

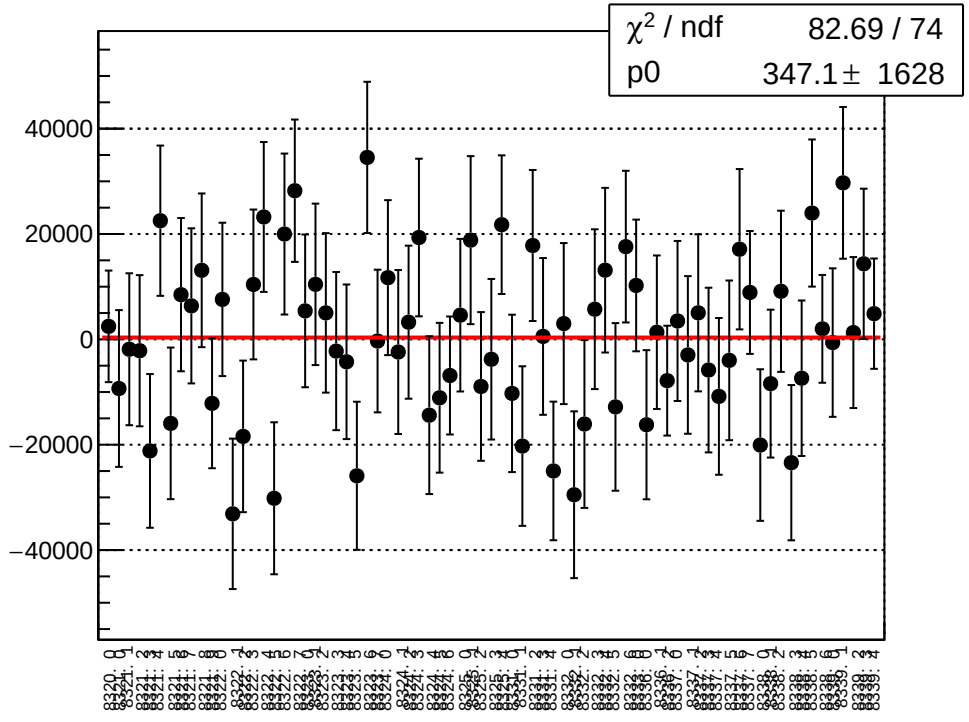

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.231e+05 / 74
p0 2.677e−10 ± 2.892e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

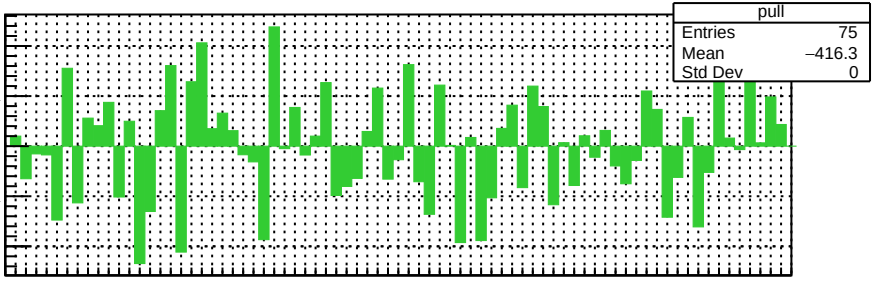

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 99.96 / 74
p0 −22.14 ± 1469
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 343
Std Dev 0
3
2
1
0
−1
−2
−3

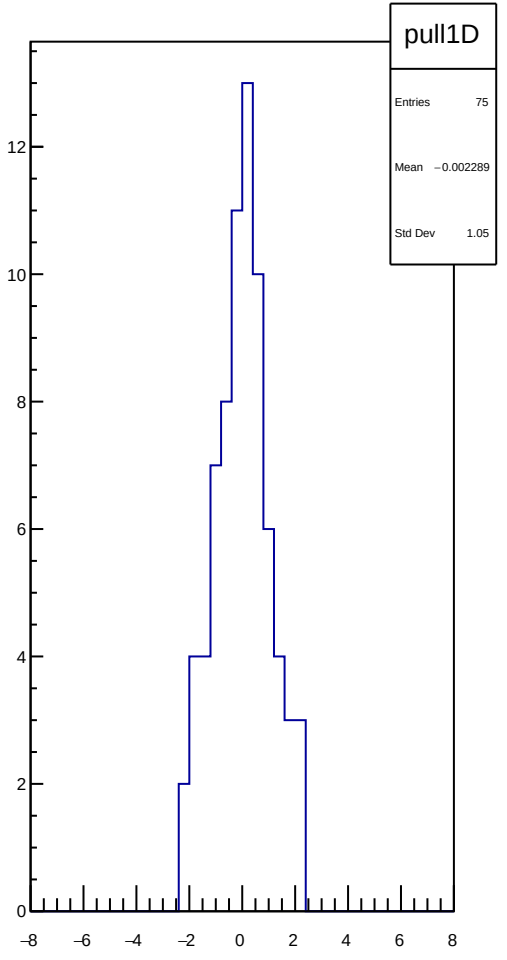

pull1D
Entries 75
Mean 0.01043
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

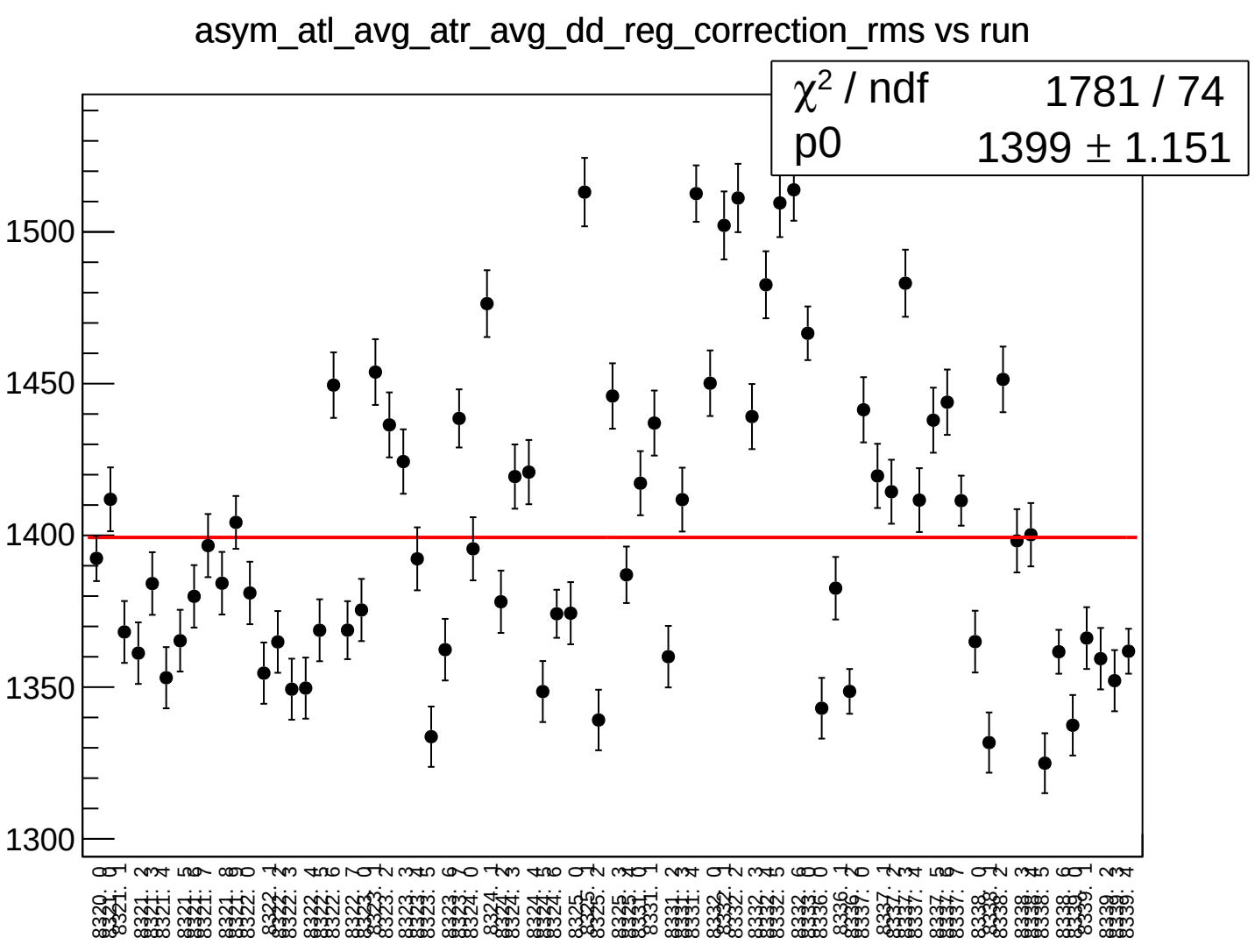

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 95.91 / 74
p0 1264 ± 1.039
1310
1300
1290
1280
1270
1260
1250
1240
1230

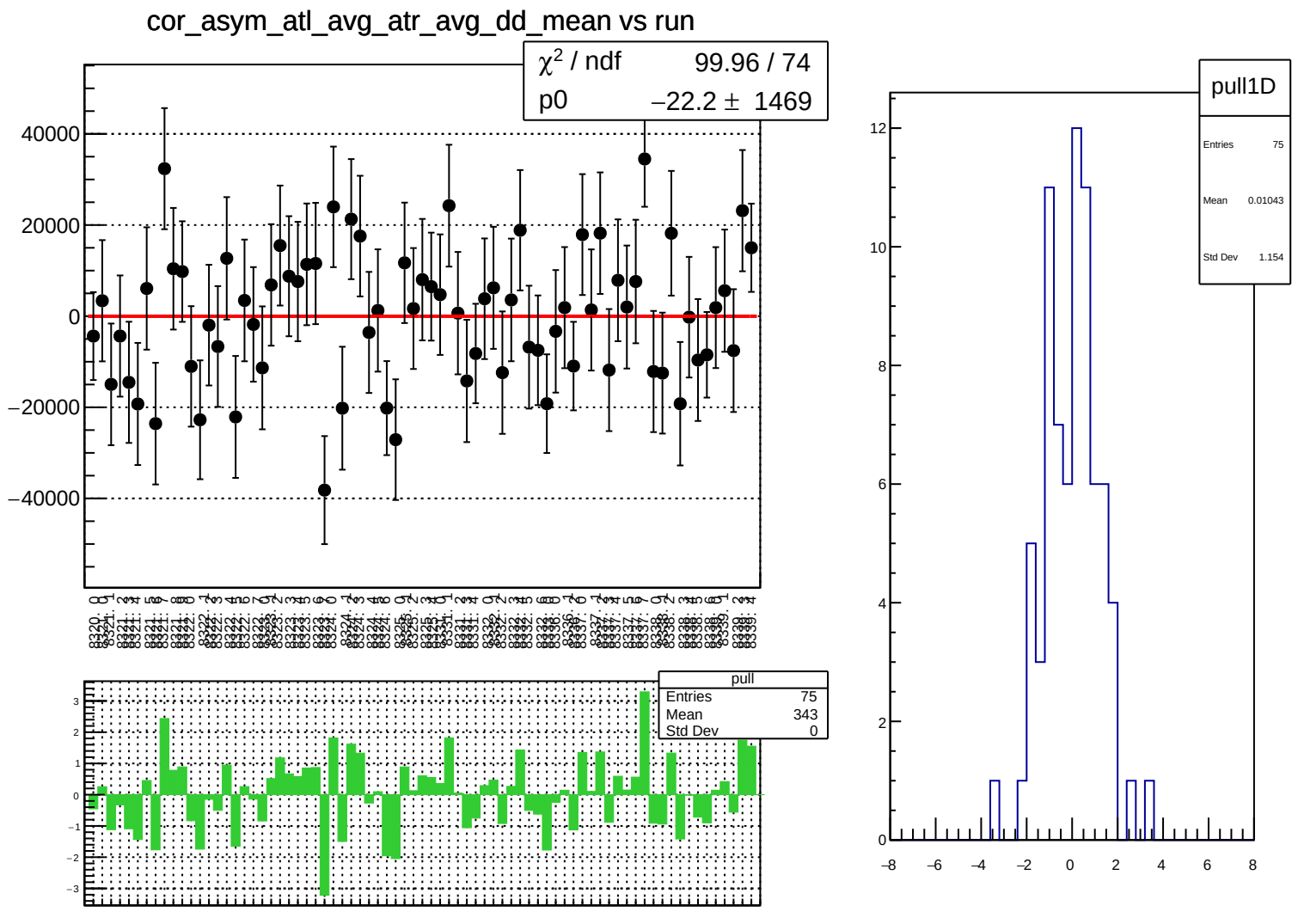
asym_atl_avg_atr_avg_dd_reg_correction_mean vs run

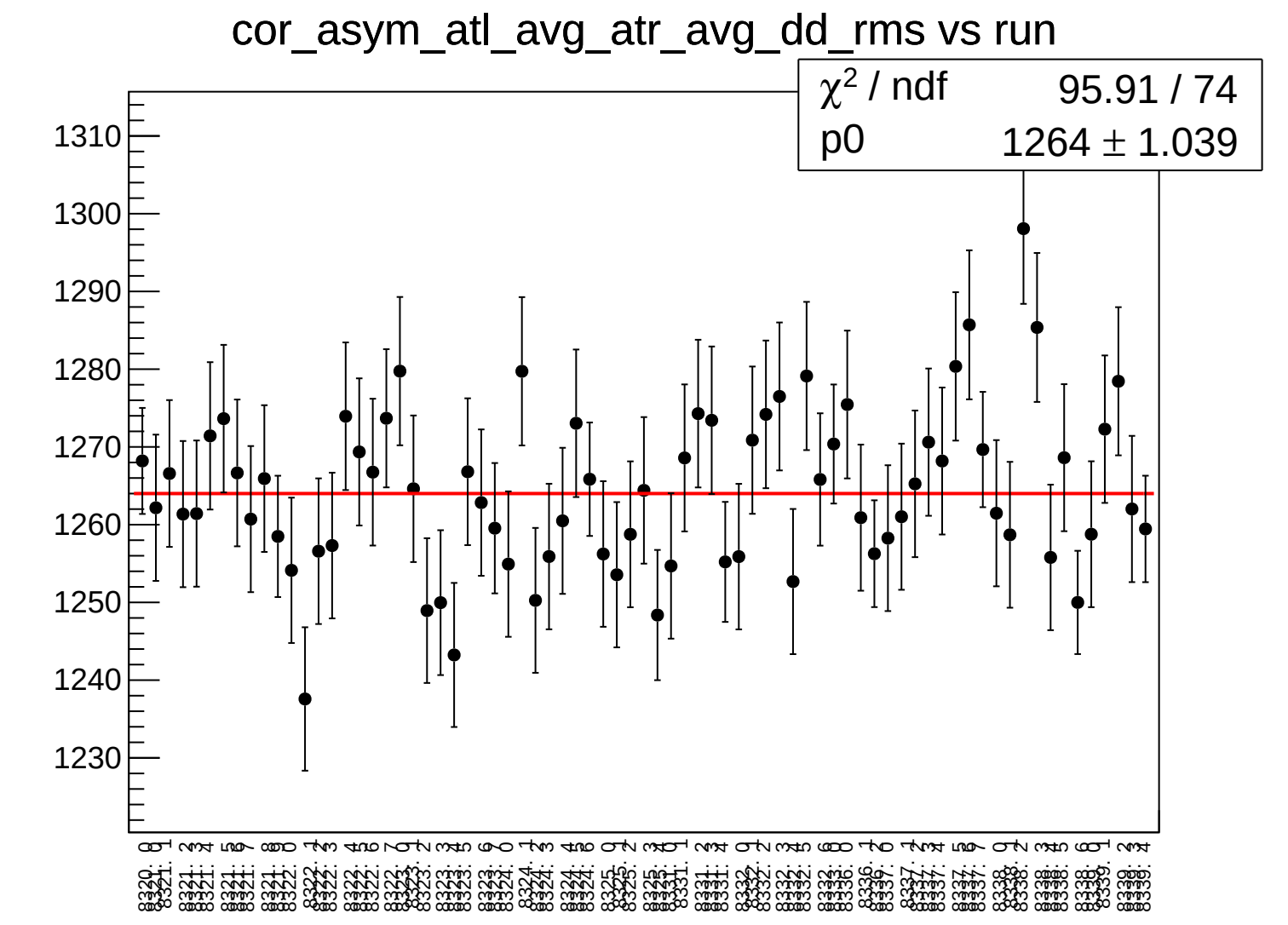


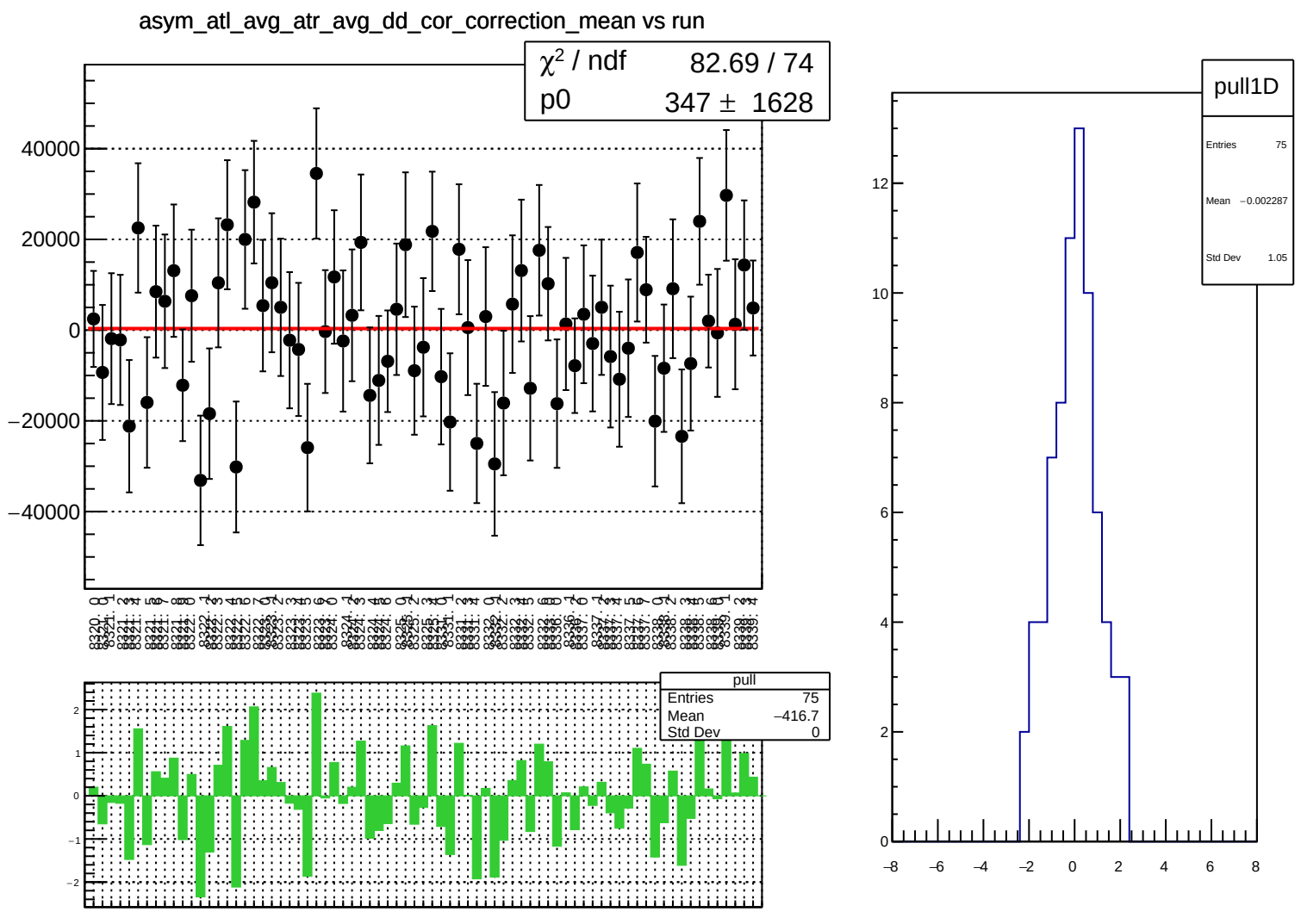


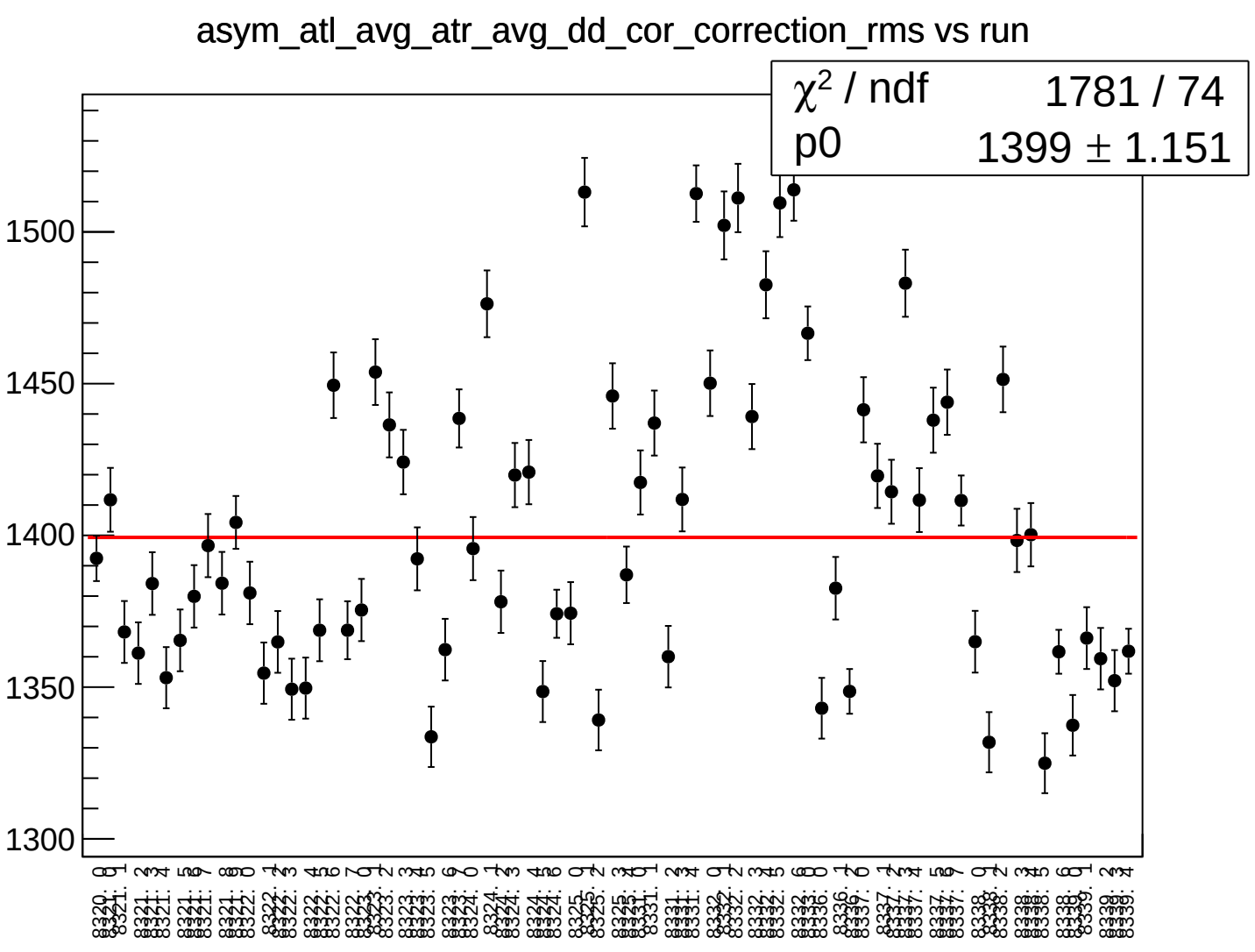


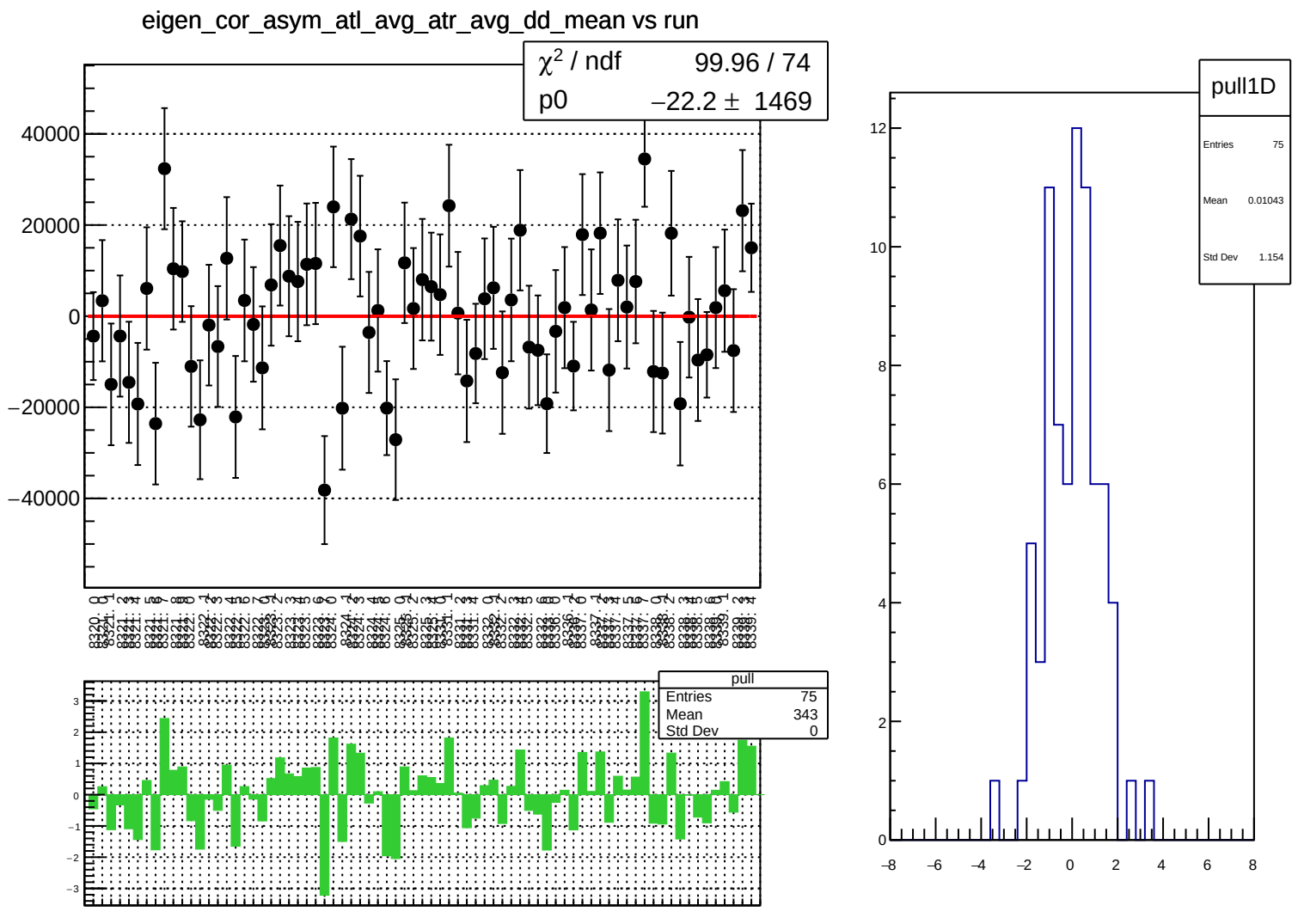

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 1781 / 74
p0 1399 ± 1.151
1500
1450
1400
1350
1300

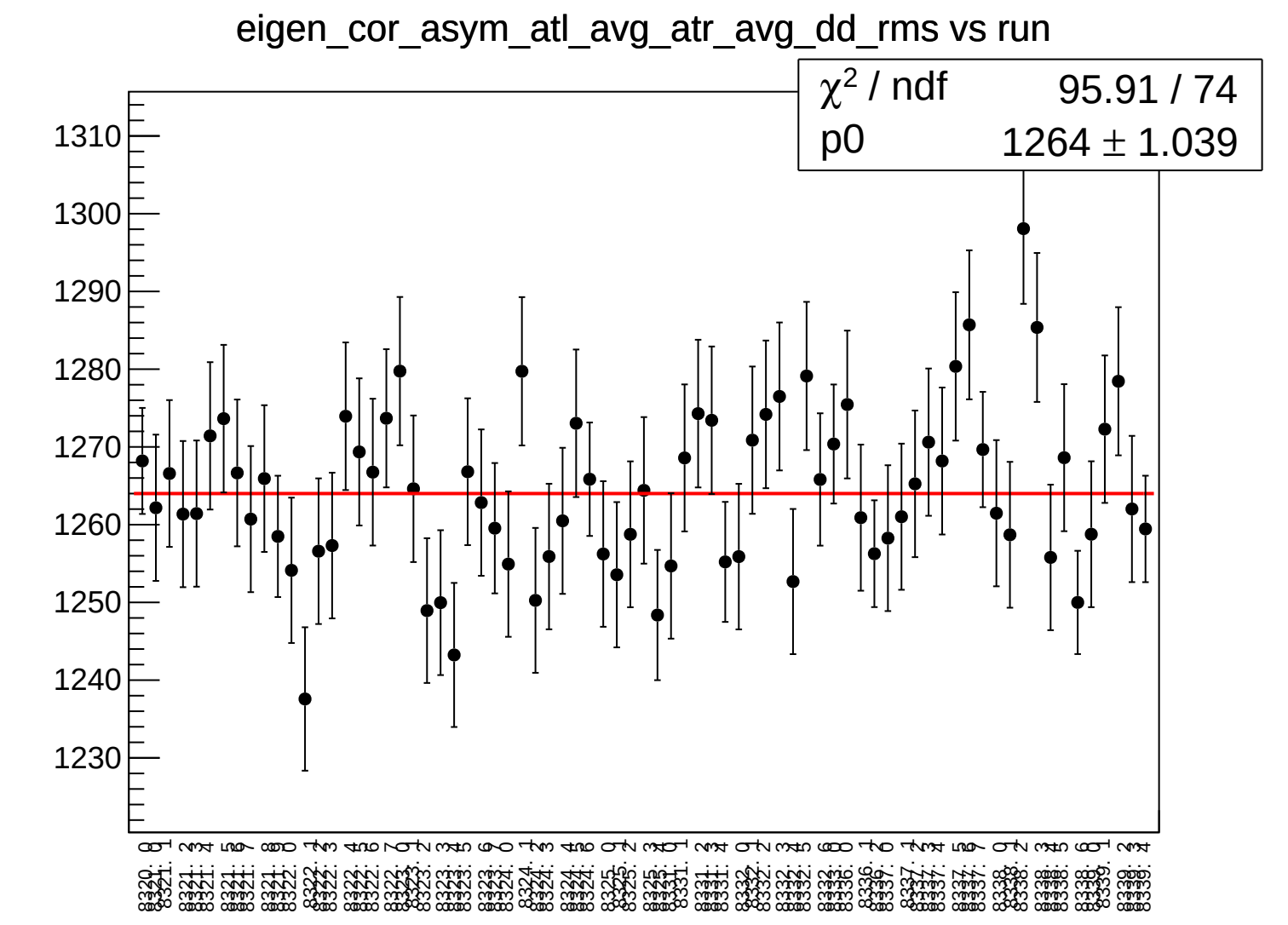

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 99.96 / 74
p0 −22.2 ± 1469
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 343
Std Dev 0
pull1D
Entries 75
Mean 0.01043
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

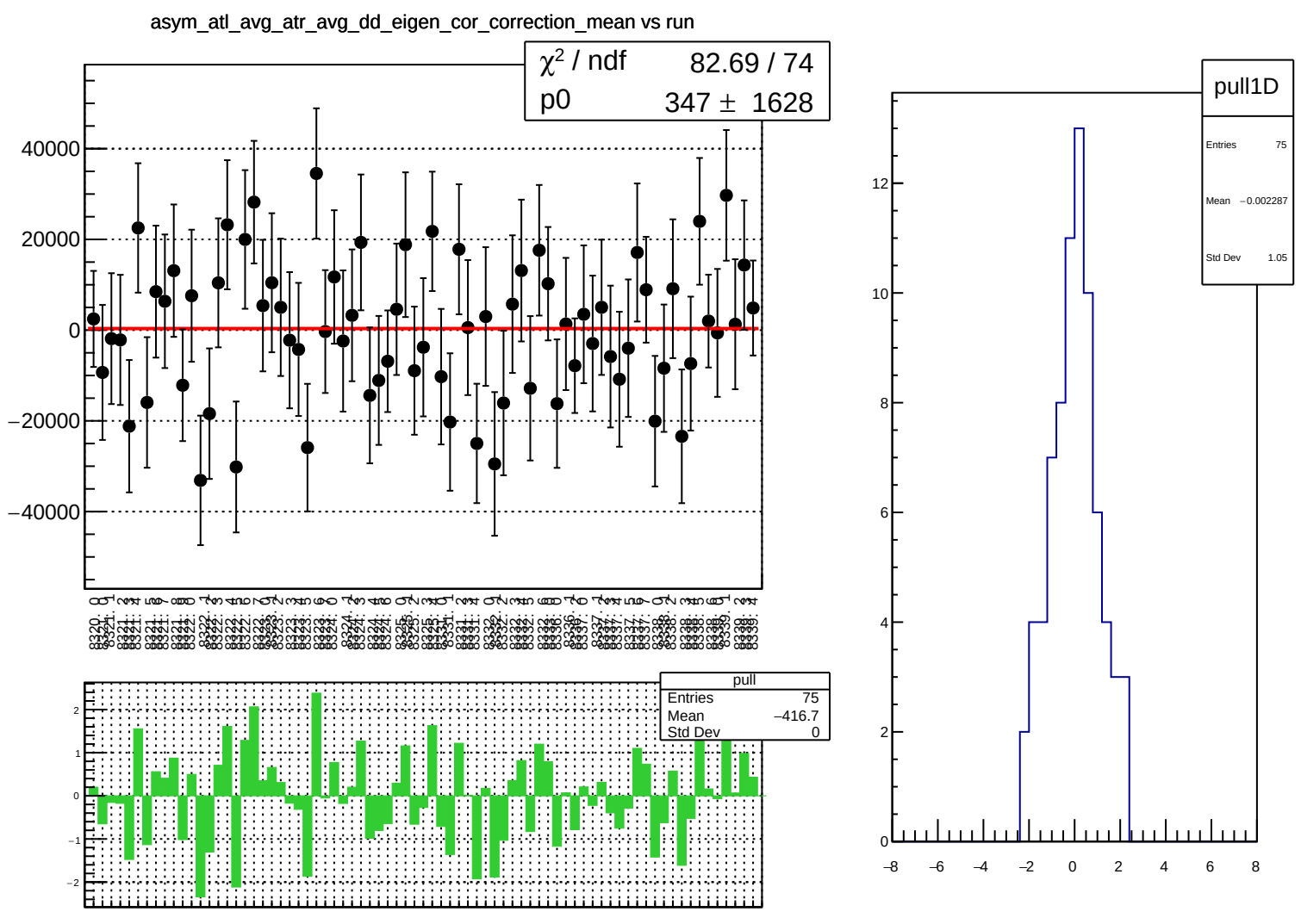

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 95.91 / 74
p0 1264 ± 1.039
1310
1300
1290
1280
1270
1260
1250
1240
1230

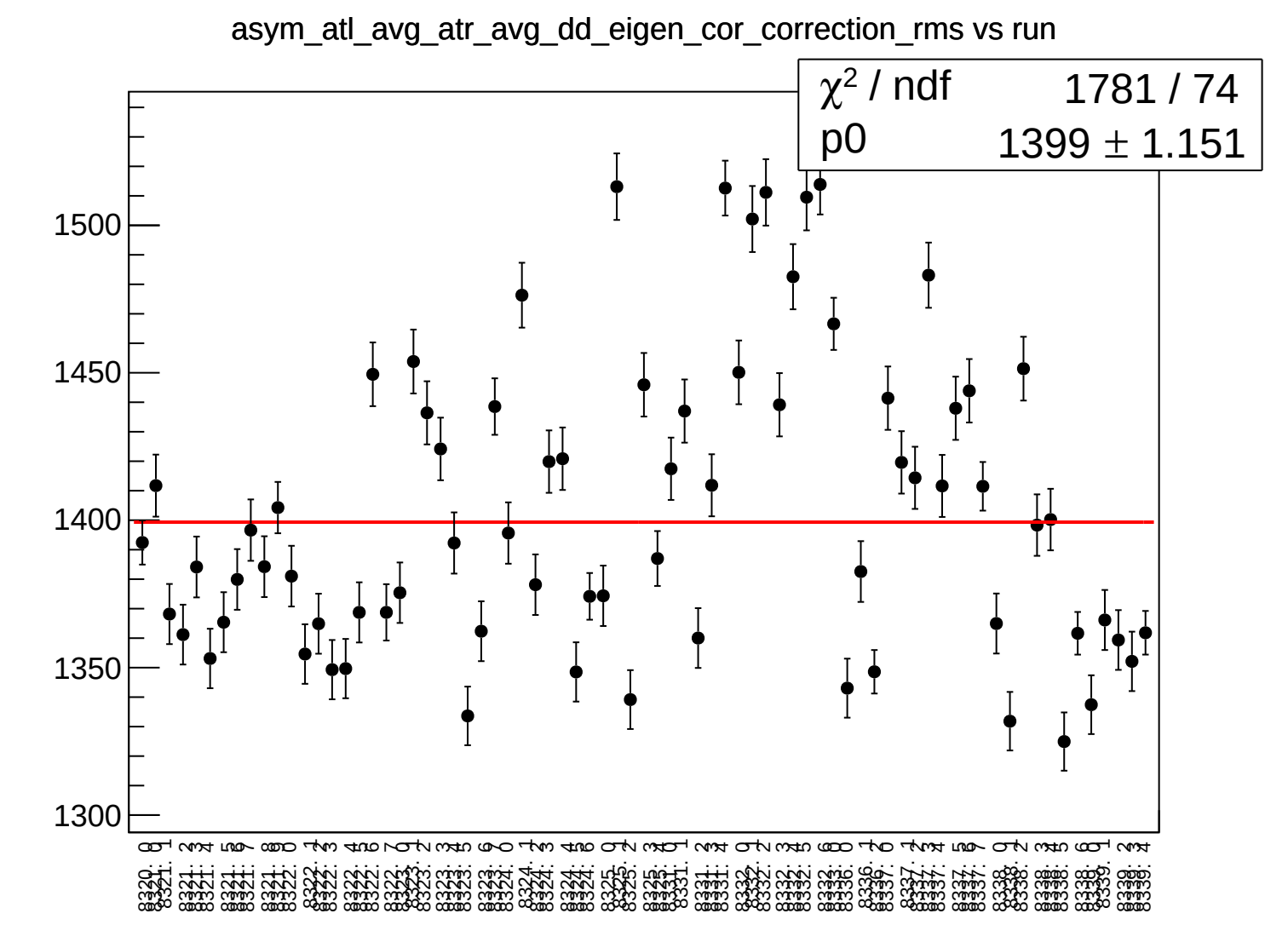

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 82.69 / 74
p0 347 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −416.7
Std Dev 0
pull1D
Entries 75
Mean −0.002287
Std Dev 1.05

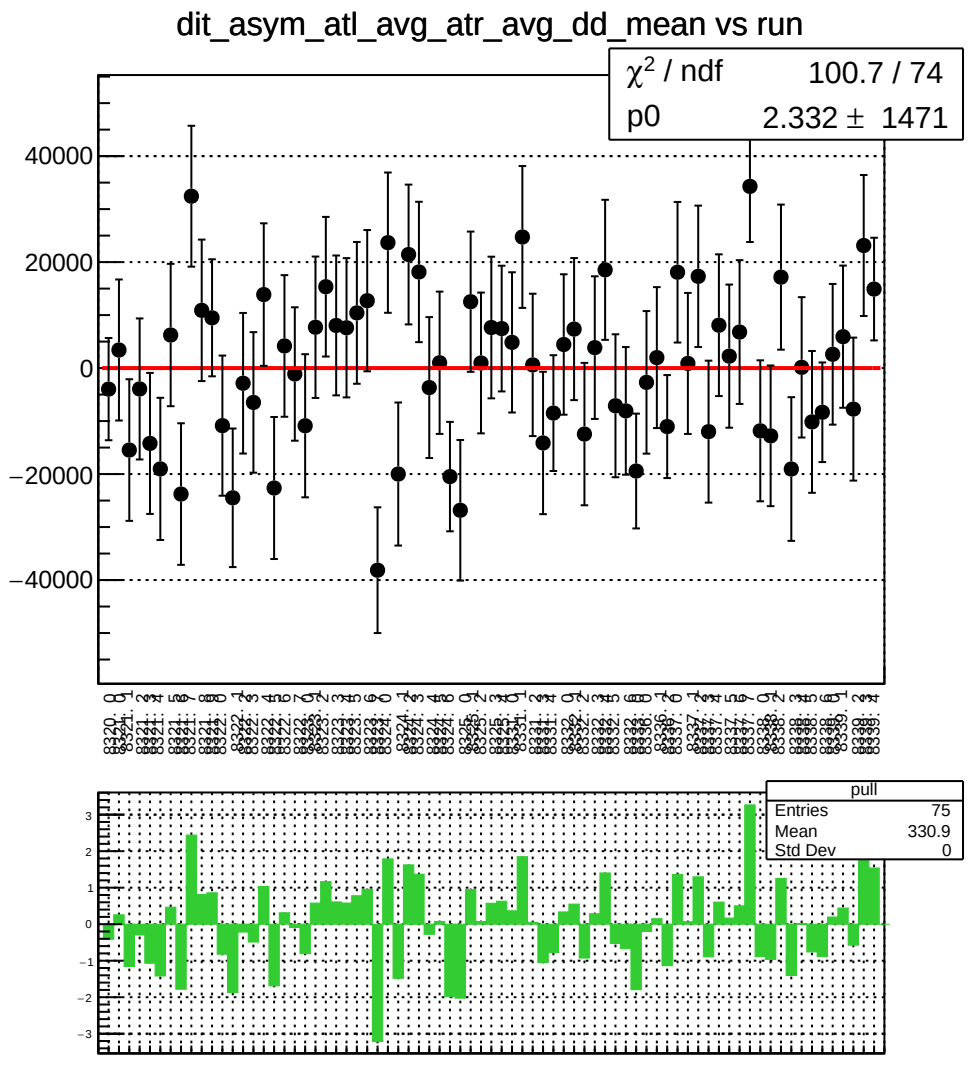

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 1781 / 74
p0 1399 ± 1.151
1500
1450
1400
1350
1300

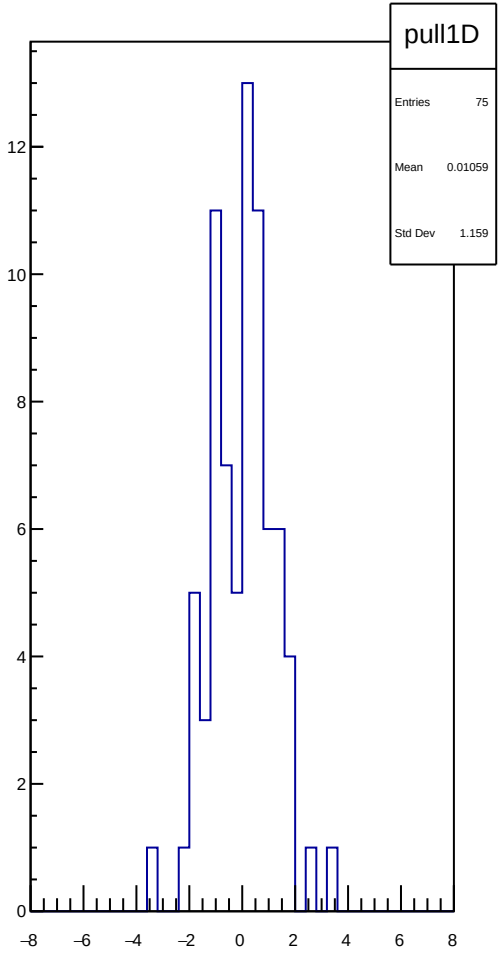

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 99.96 / 74
p0 −22.2 ± 1469
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 343
Std Dev 0
pull1D
Entries 75
Mean 0.01043
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

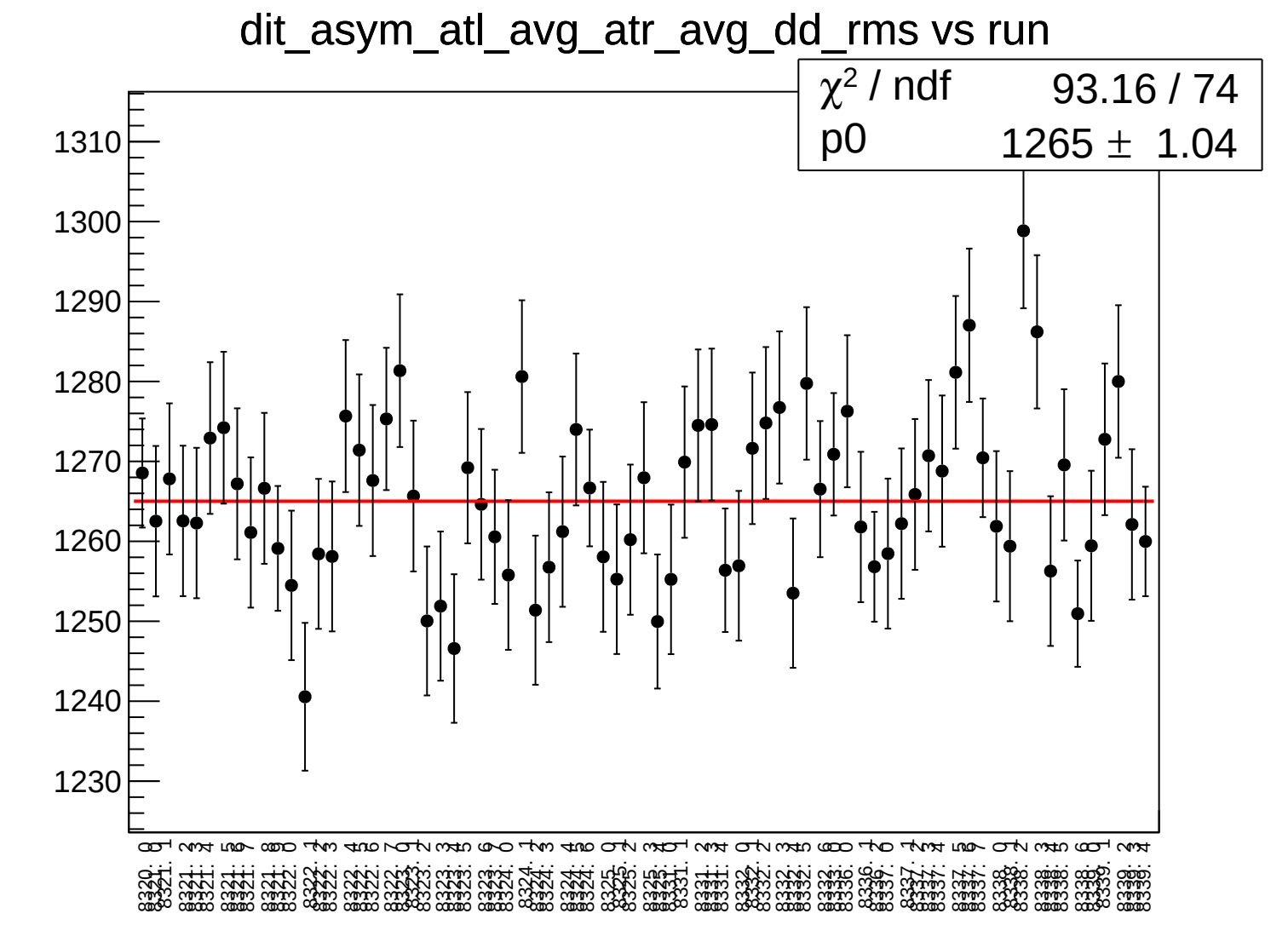

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 95.91 / 74
p0 1264 ± 1.039
1310
1300
1290
1280
1270
1260
1250
1240
1230

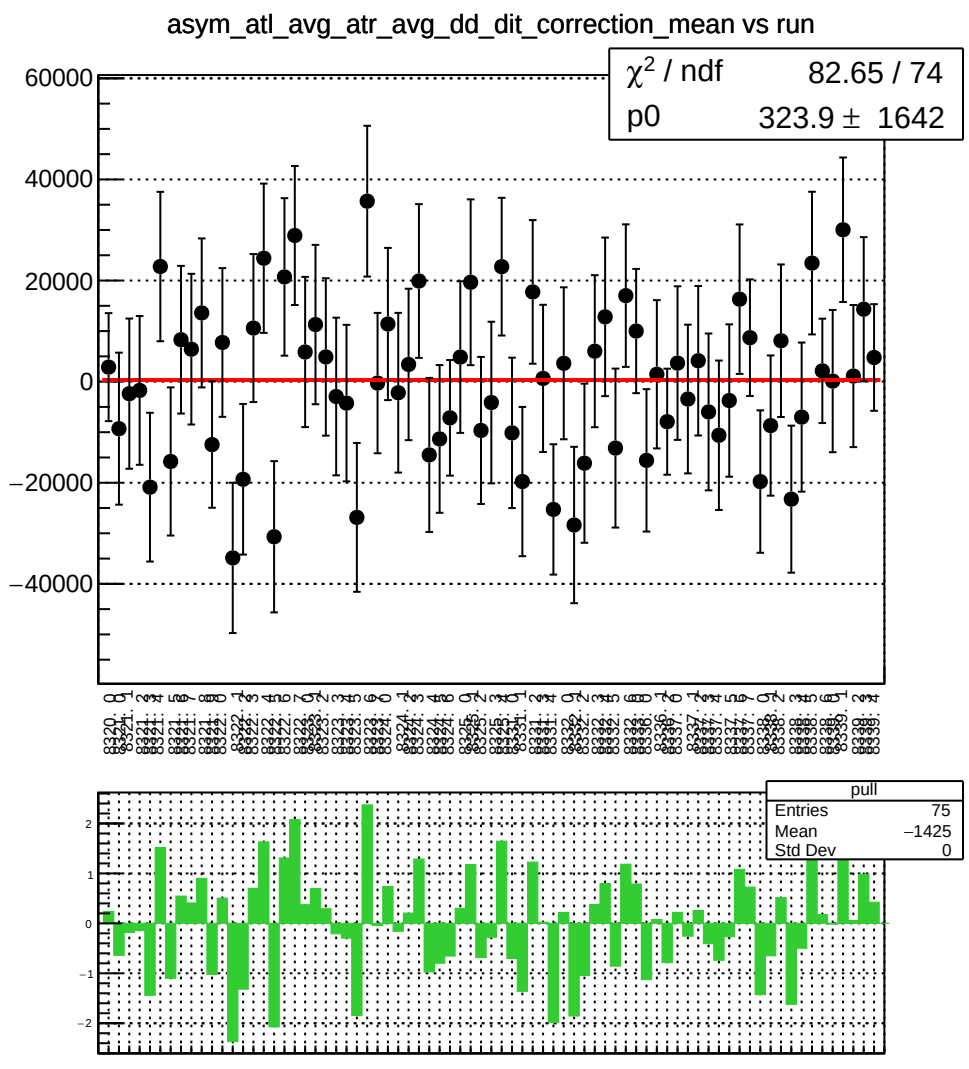

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 82.69 / 74
p0 347 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −416.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.002287
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

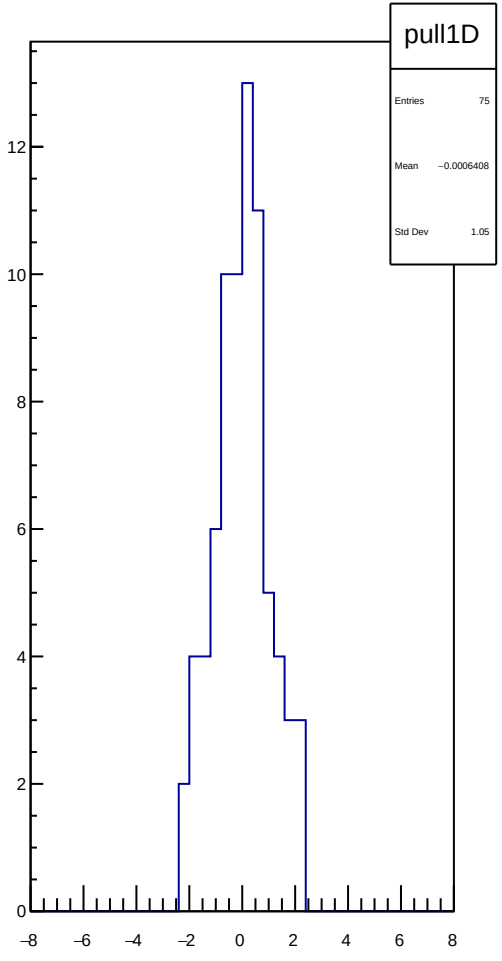

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1781 / 74
p0 1399 ± 1.151
1500
1450
1400
1350
1300

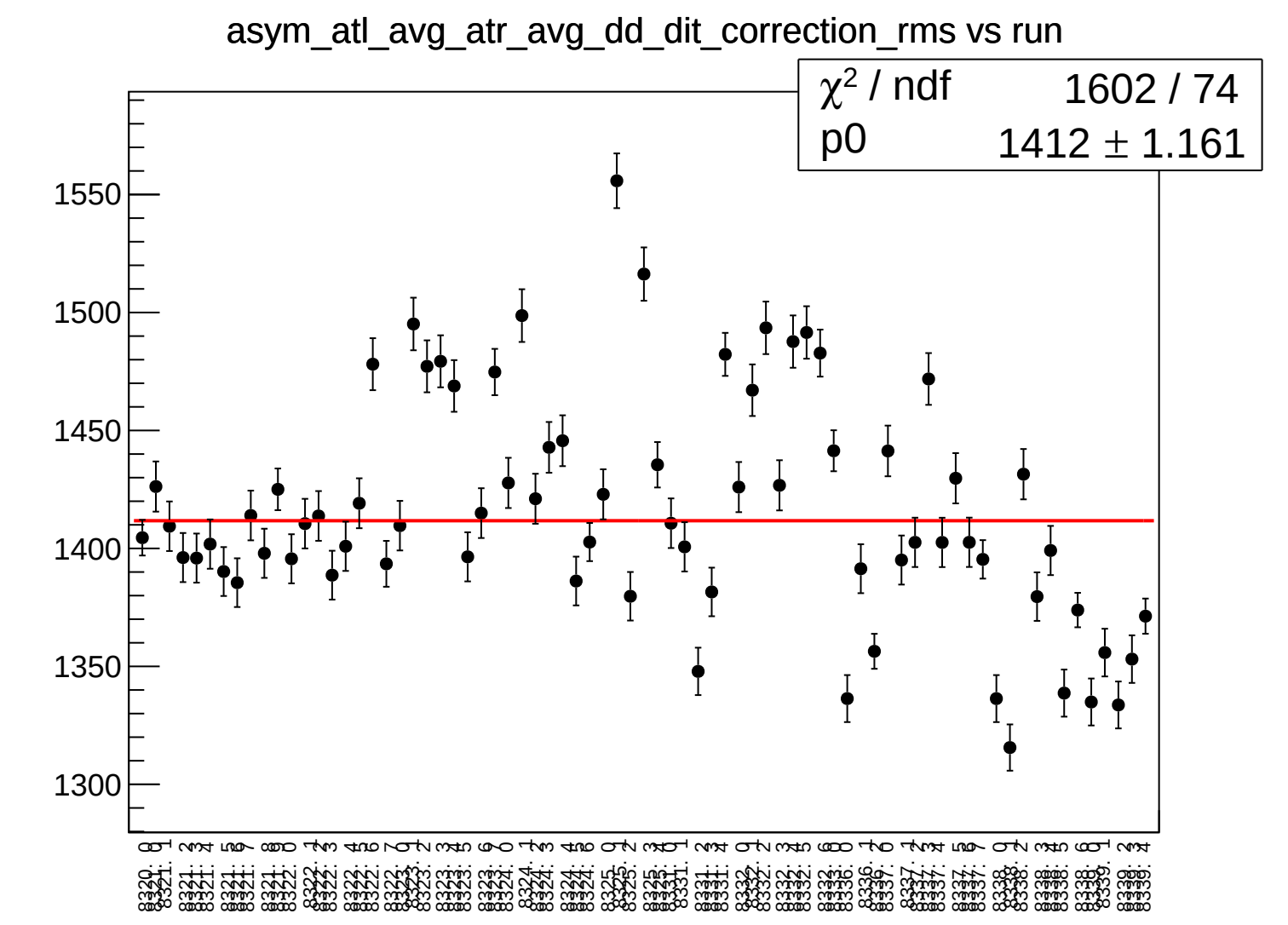

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 100.7 / 74
p0 2.332 ± 1471
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 330.9
Std Dev 0
3
2
1
0
−1
−2
−3

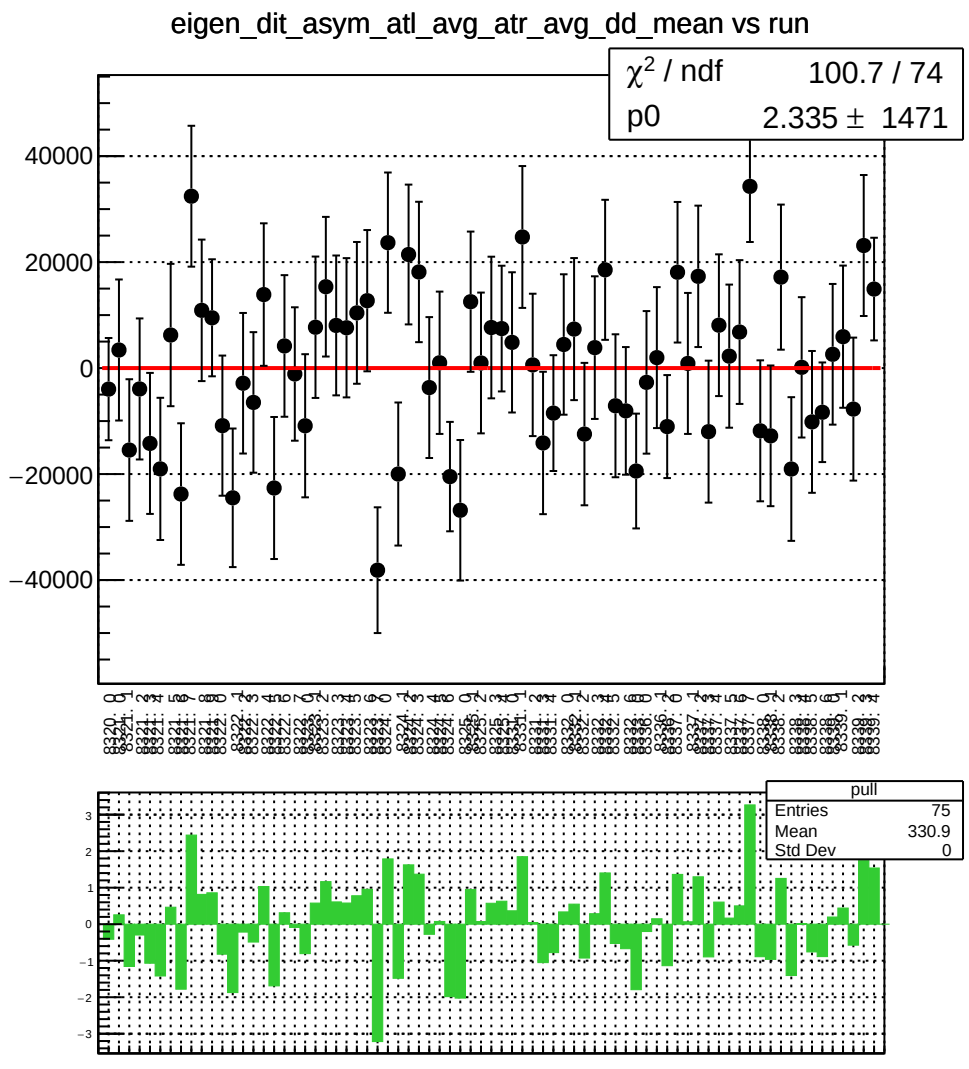

pull1D
Entries 75
Mean 0.01059
Std Dev 1.159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

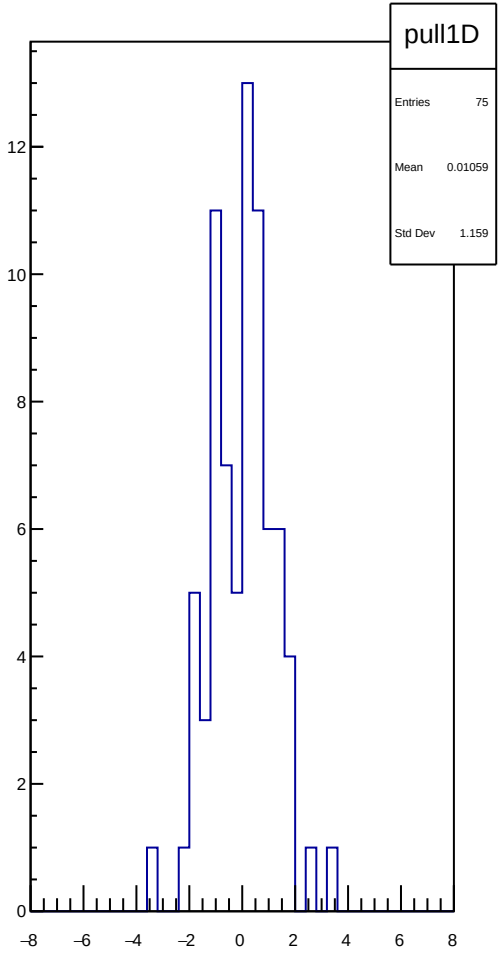

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 93.16 / 74
p0 1265 ± 1.04
1310
1300
1290
1280
1270
1260
1250
1240
1230

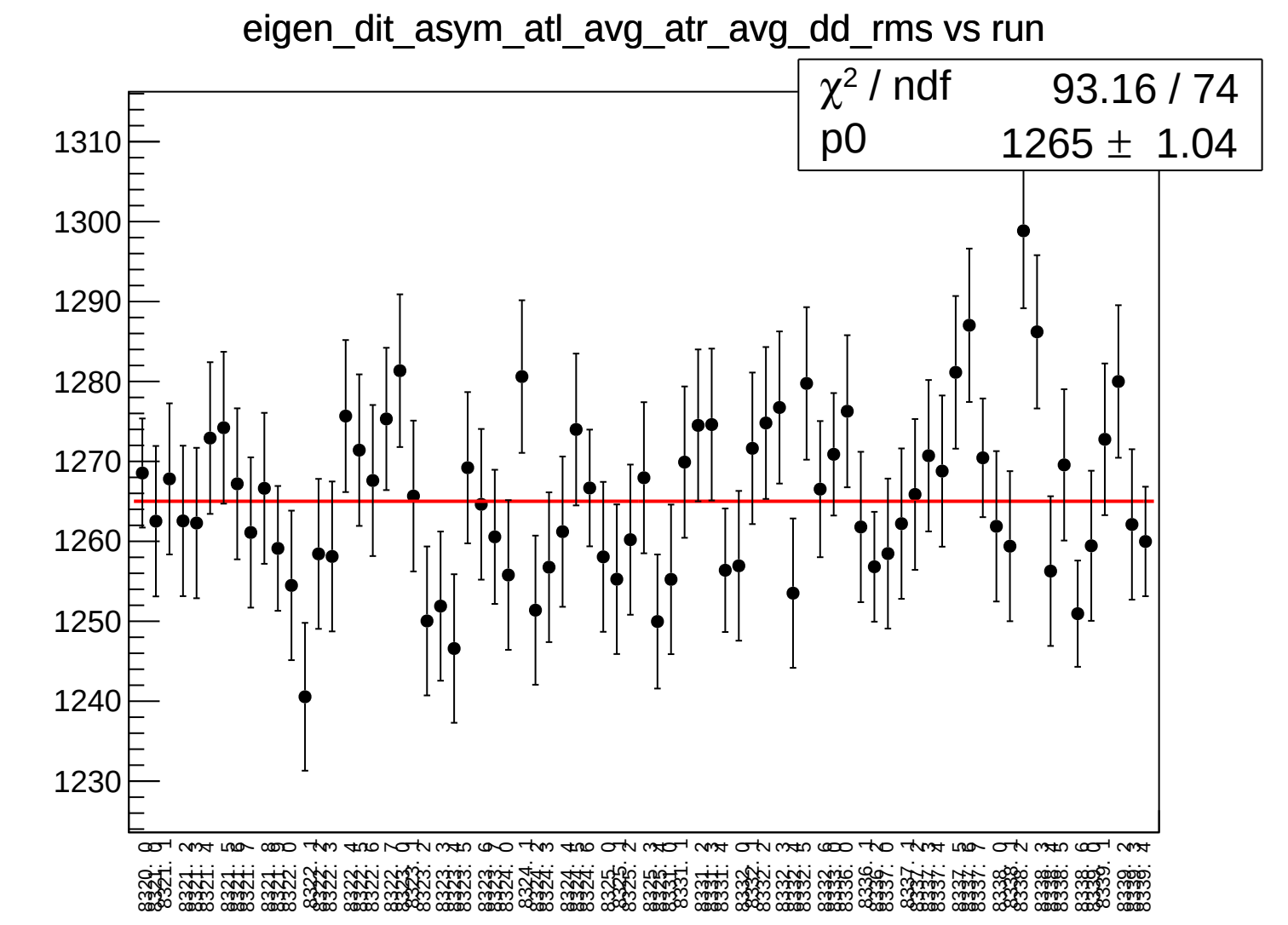

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 82.65 / 74
p0 323.9 ± 1642
pull
Entries 75
Mean −1425
Std Dev 0

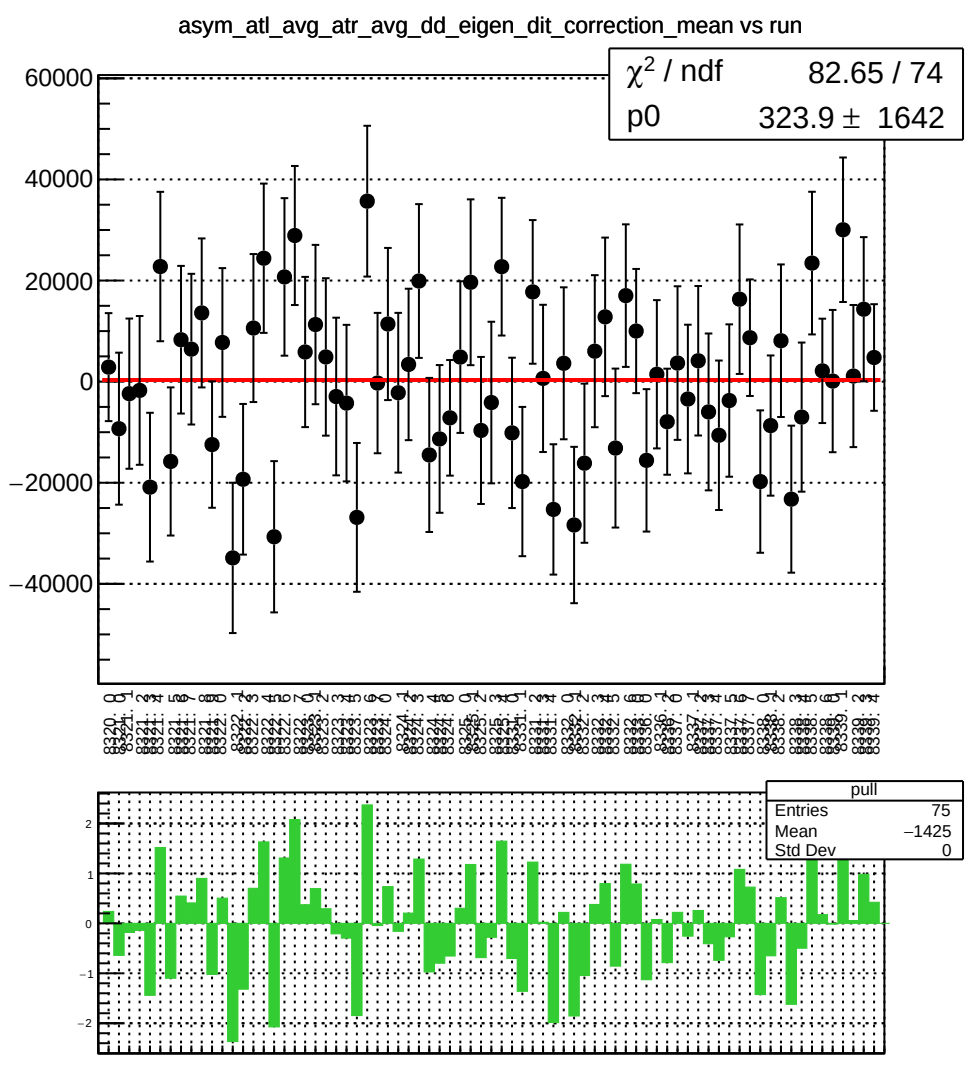

pull1D
Entries 75
Mean −0.0006408
Std Dev 1.05

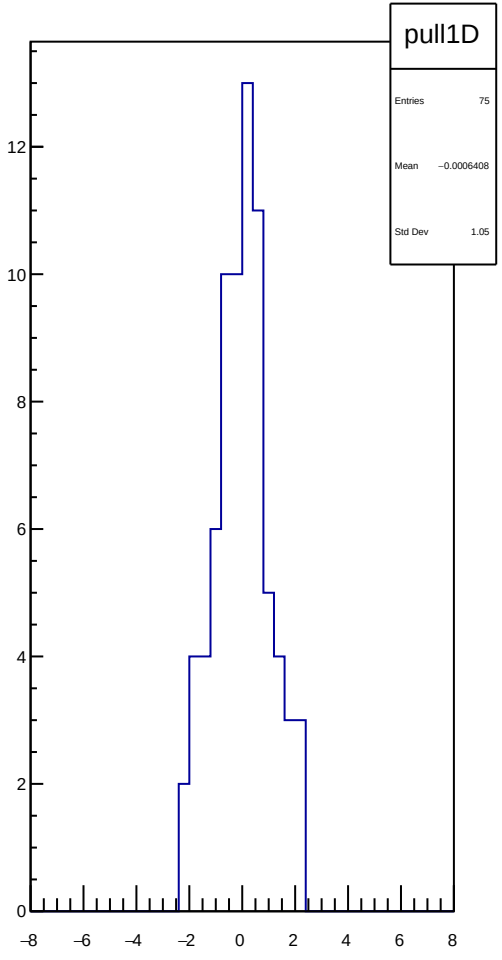

asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 1602 / 74
p0 1412 ± 1.161
1550
1500
1450
1400
1350
1300

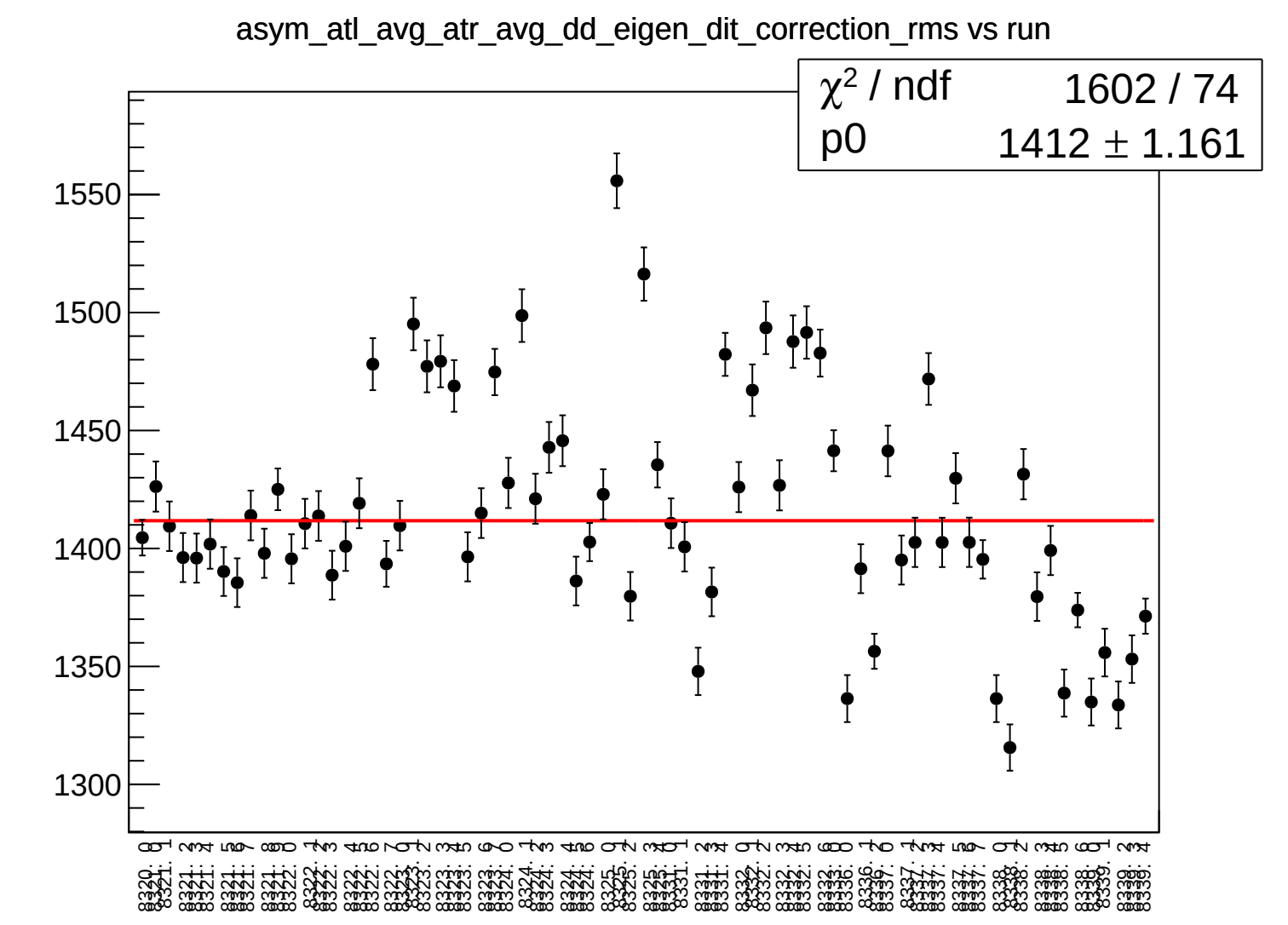

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 100.7 / 74
p0 2.335 ± 1471
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 330.9
Std Dev 0
3
2
1
0
−1
−2
−3

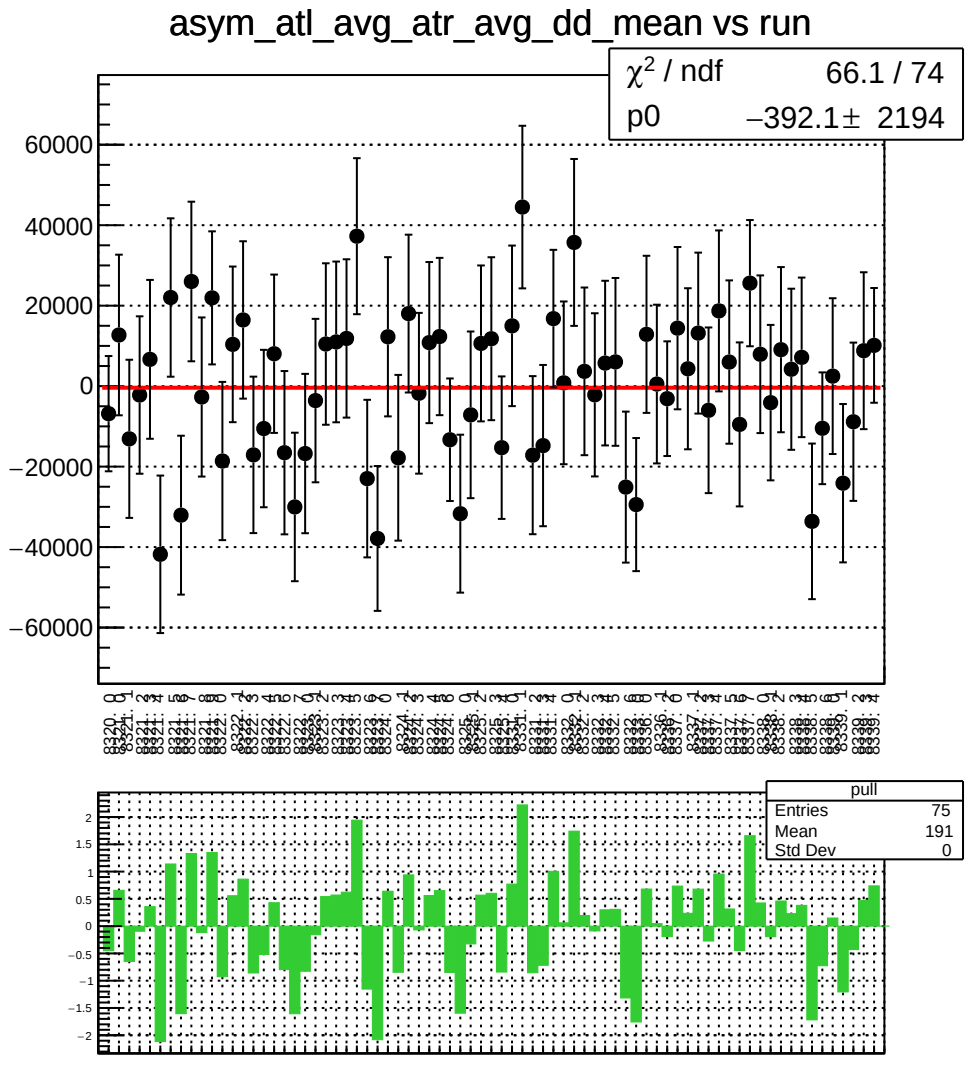

pull1D
Entries 75
Mean 0.01059
Std Dev 1.159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

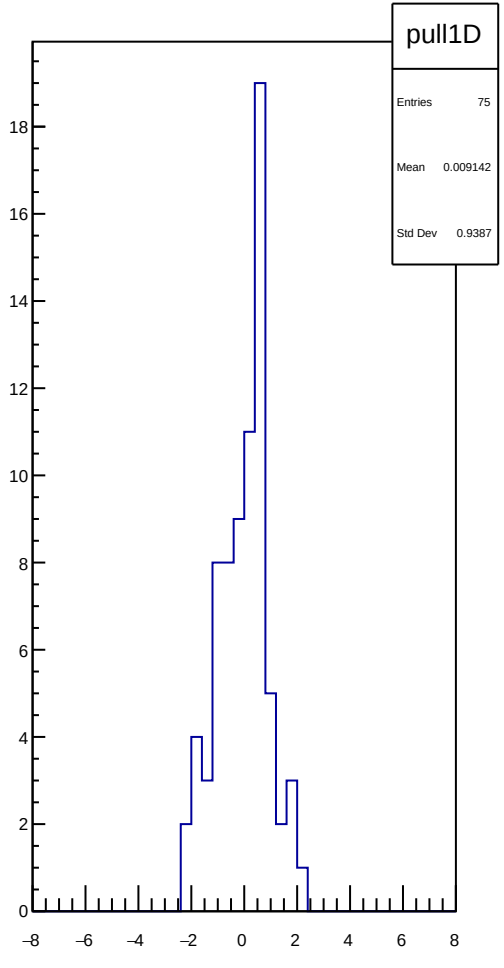

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 93.16 / 74
p0 1265 ± 1.04
1310
1300
1290
1280
1270
1260
1250
1240
1230

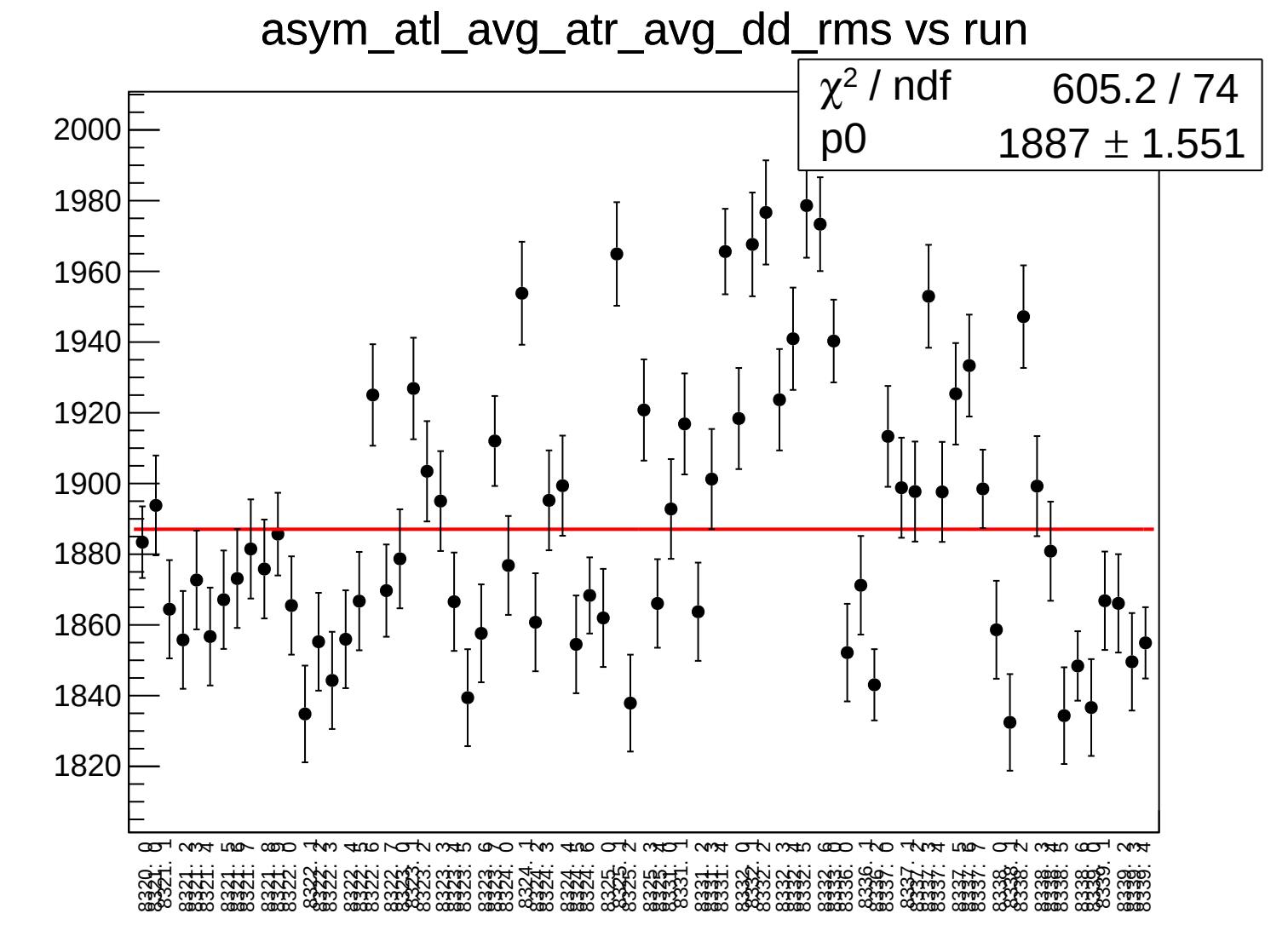

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 82.65 / 74
p0 323.9 ± 1642
60000
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1425
Std Dev 0
2
1
0
−1
−2

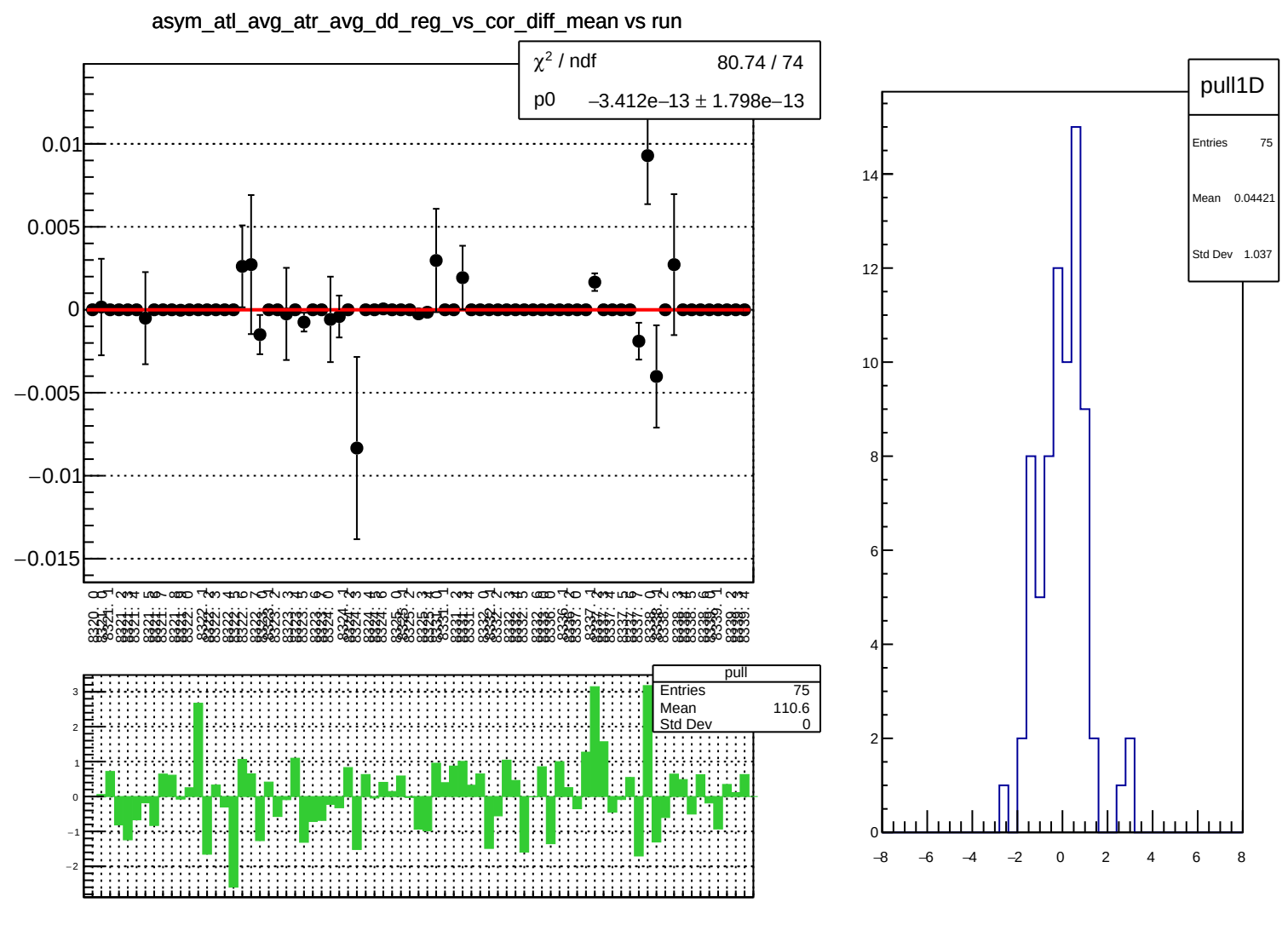

pull1D
Entries 75
Mean −0.0006408
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

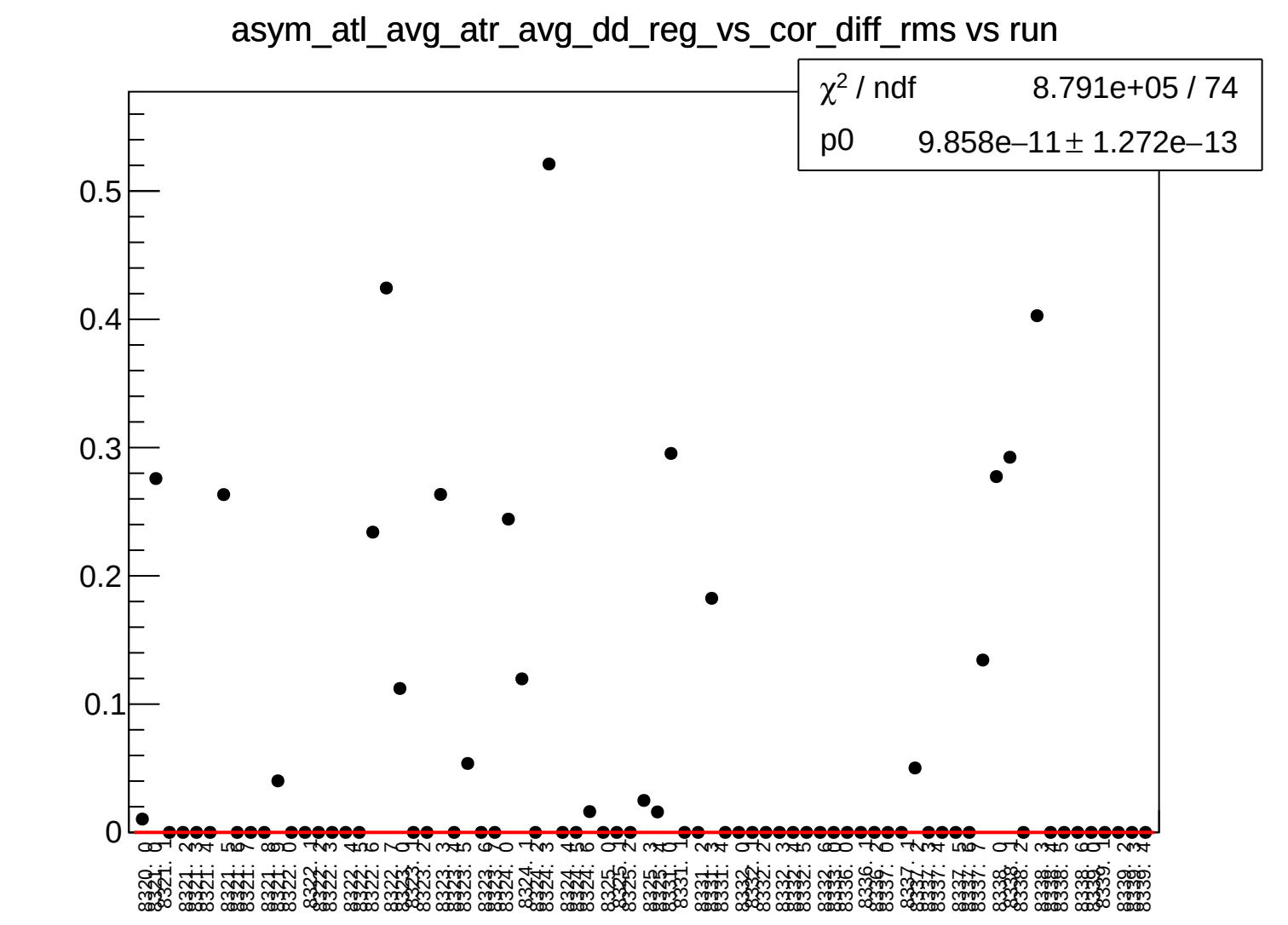

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1602 / 74
p0 1412 ± 1.161
1550
1500
1450
1400
1350
1300

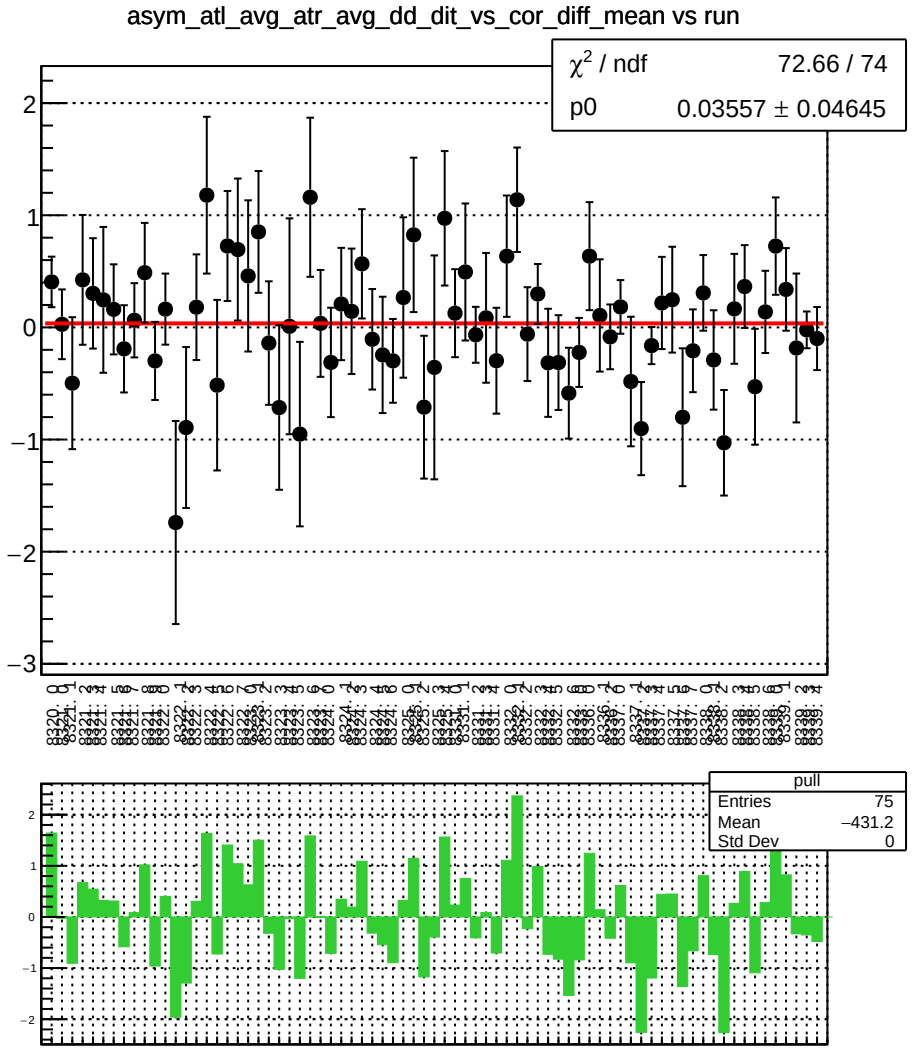

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 66.1 / 74
p0 −392.1± 2194
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 191
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

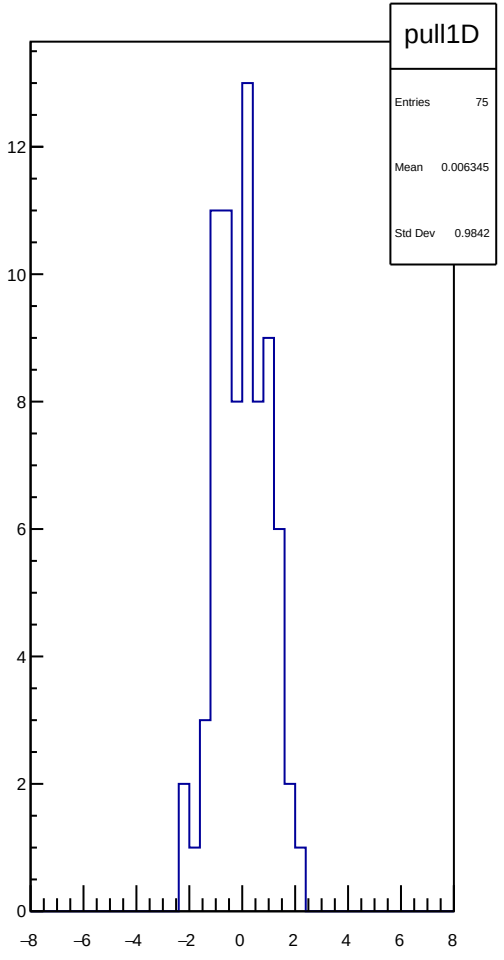

pull1D
Entries 75
Mean 0.009142
Std Dev 0.9387
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

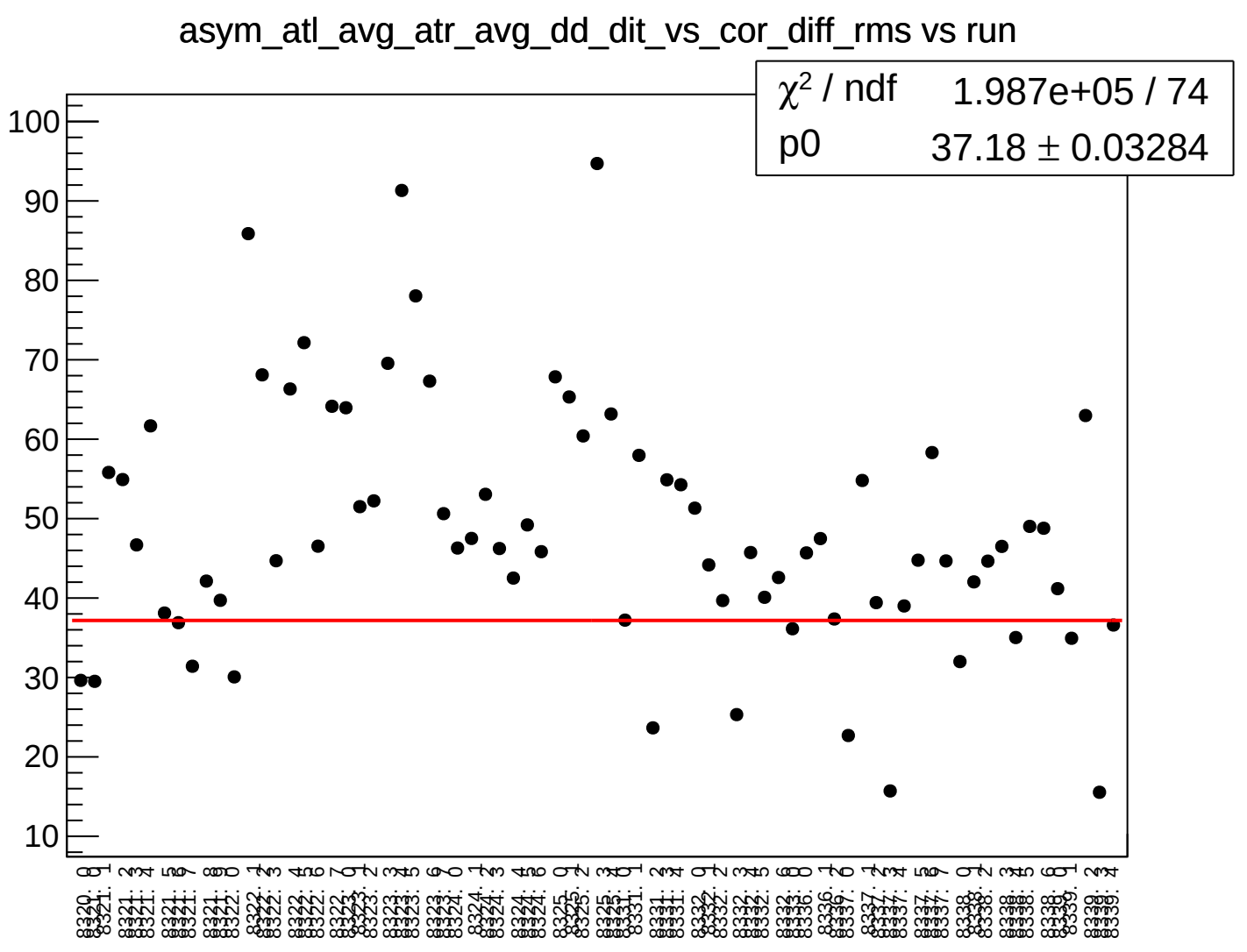

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 605.2 / 74
p0 1887 ± 1.551
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

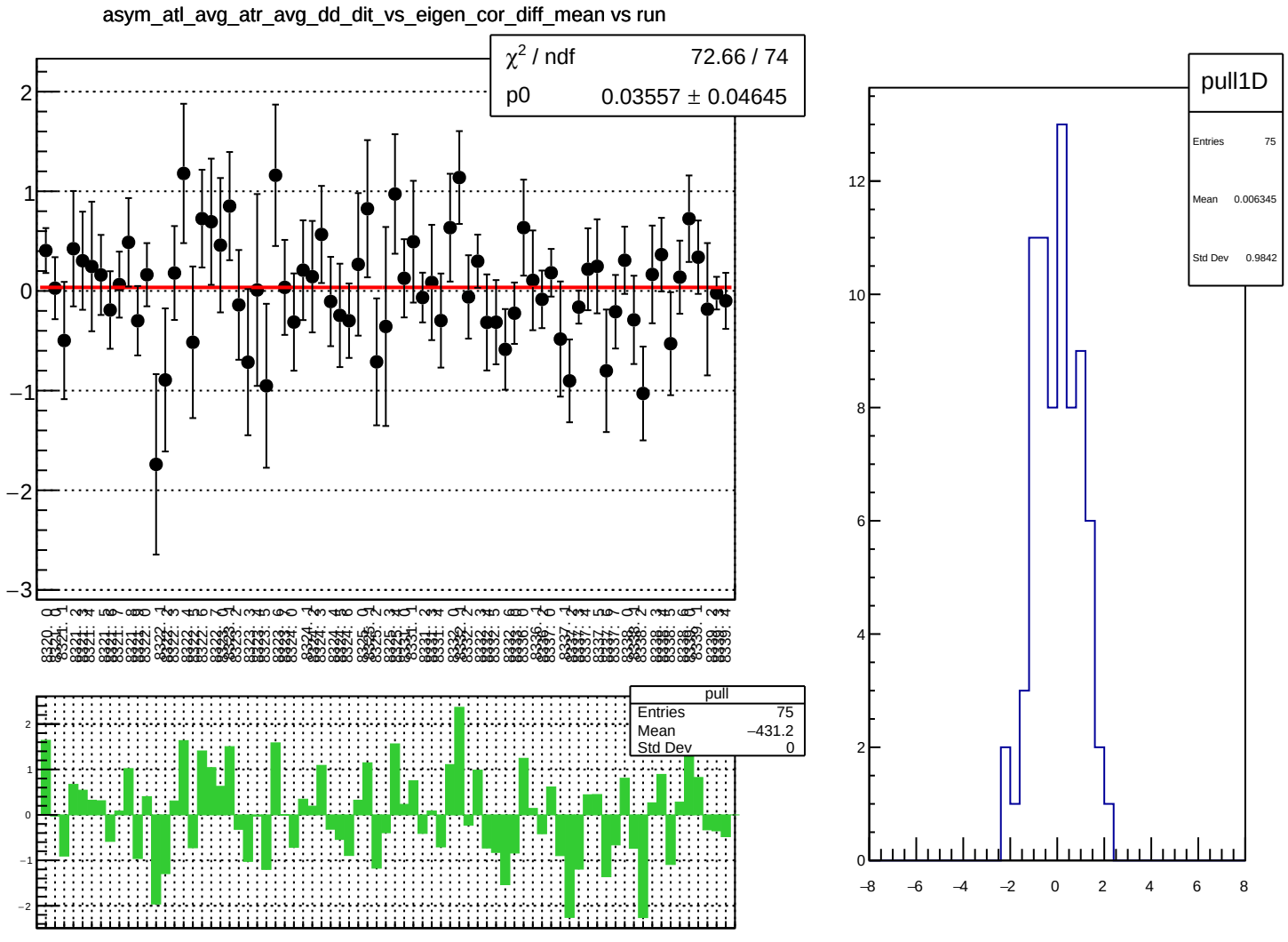

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.74 / 74
p0 −3.412e−13 ± 1.798e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 75
Mean 110.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.04421
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

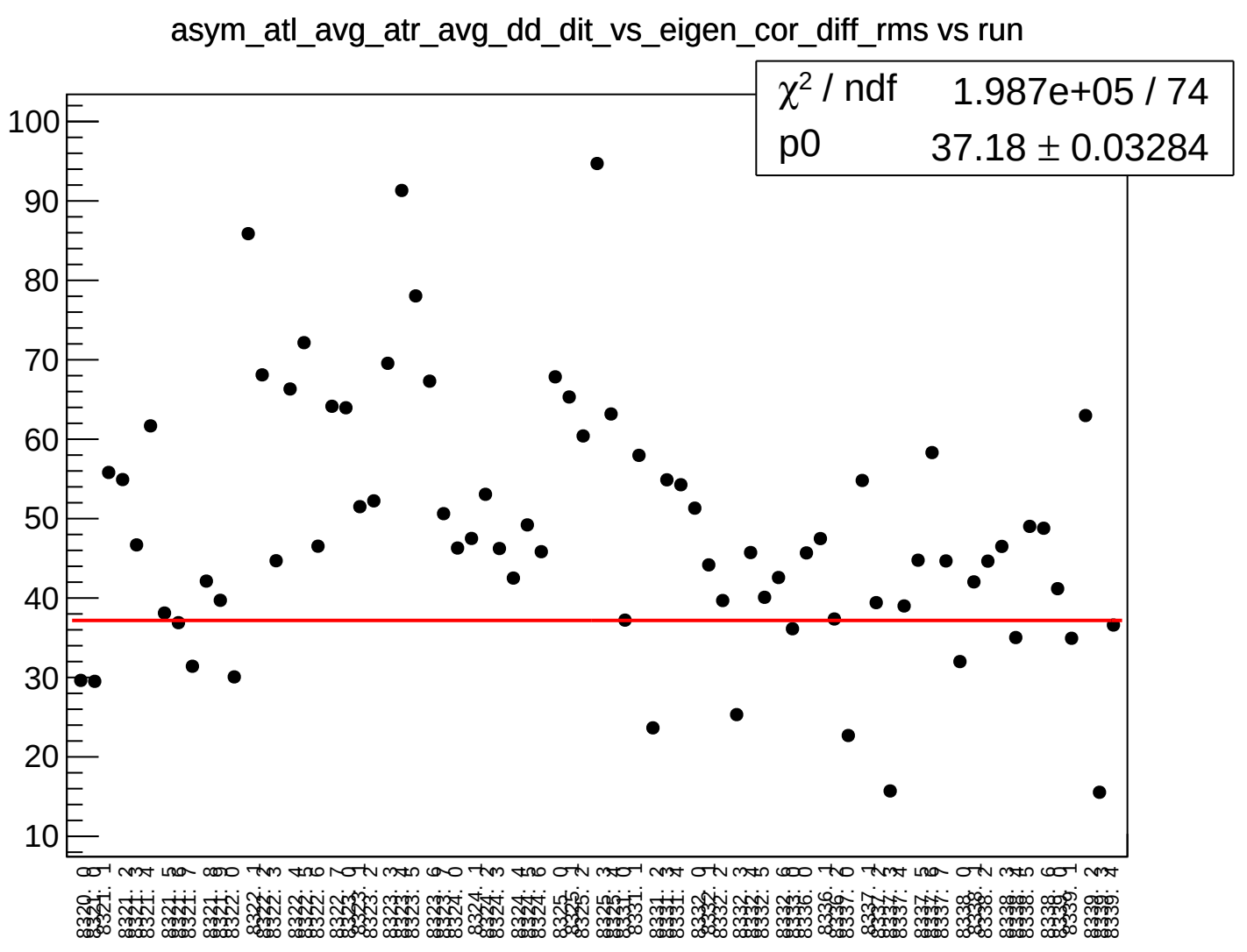

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.791e+05 / 74
p0 9.858e−11 ± 1.272e−13
0.5
0.4
0.3
0.2
0.1
0

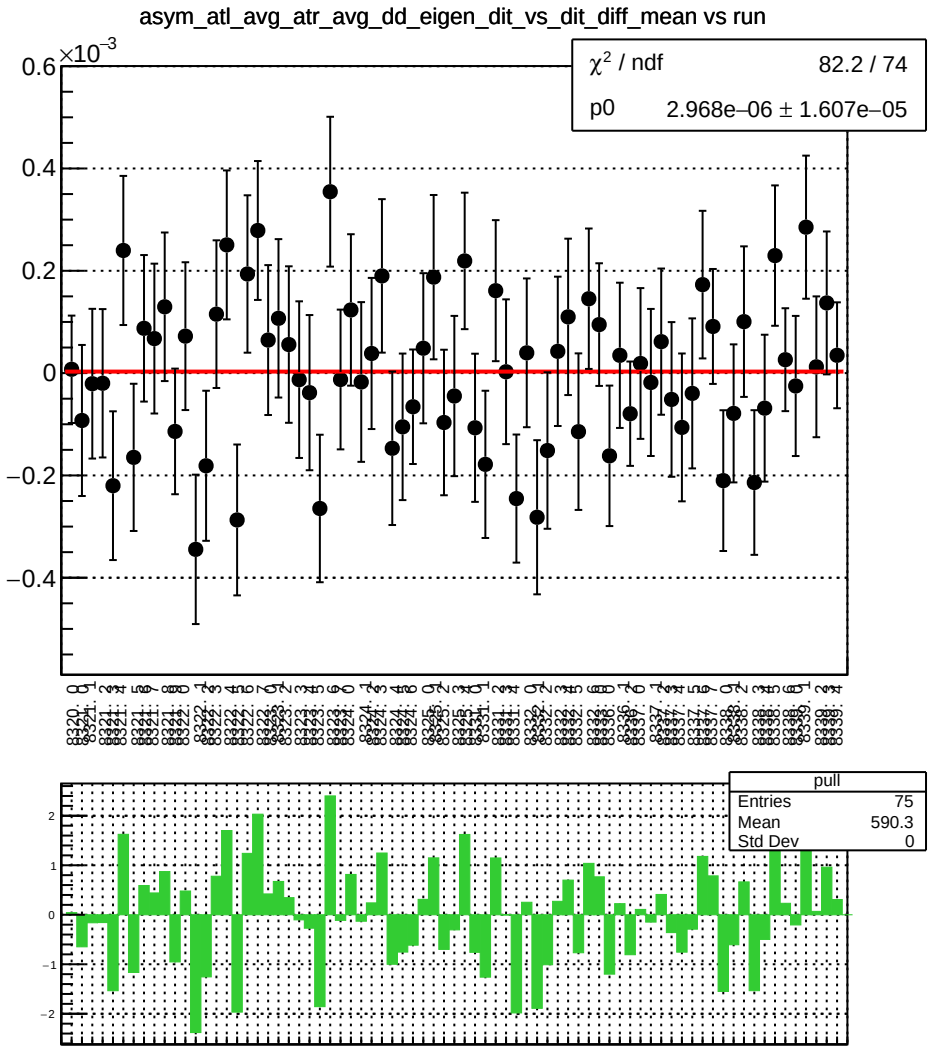

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03557 ± 0.04645
pull
Entries 75
Mean −431.2
Std Dev 0

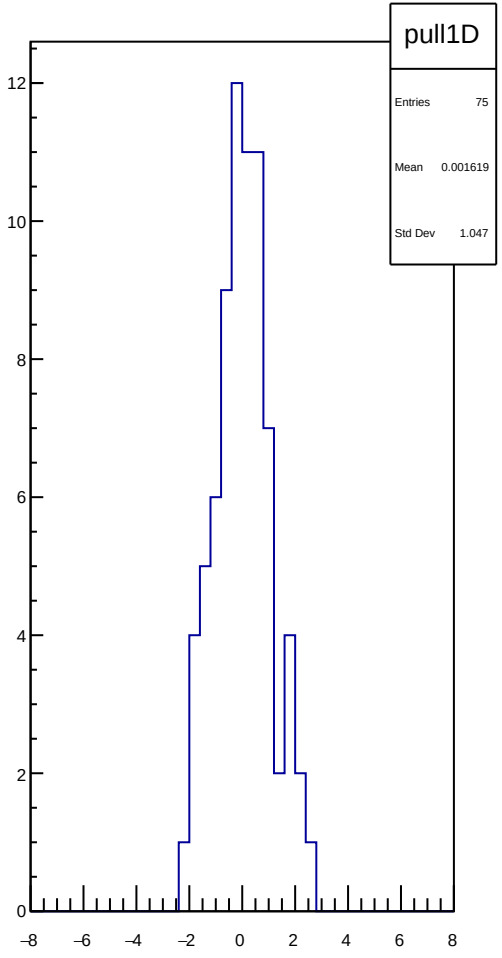

pull1D
Entries 75
Mean 0.006345
Std Dev 0.9842

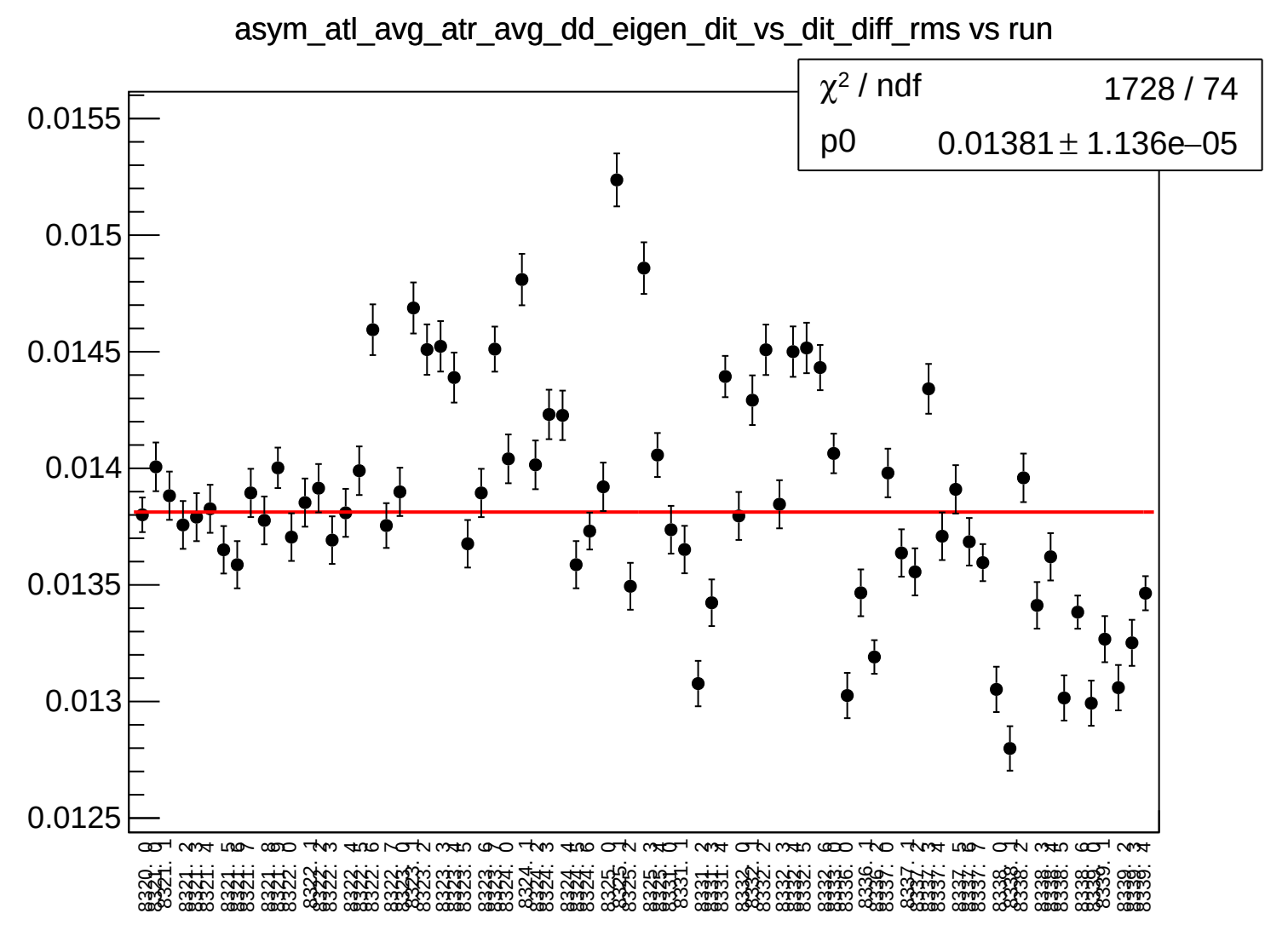

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.987e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

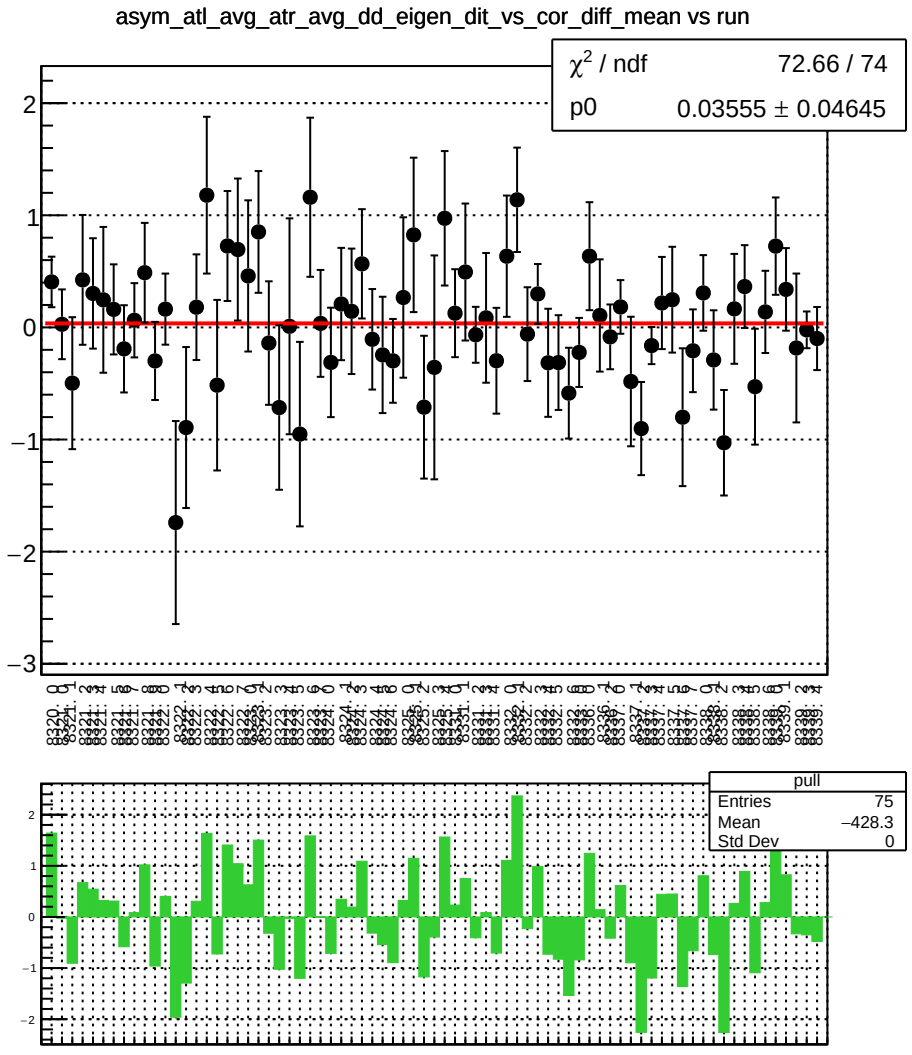

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03557 ± 0.04645
pull
Entries 75
Mean −431.2
Std Dev 0
pull1D
Entries 75
Mean 0.006345
Std Dev 0.9842

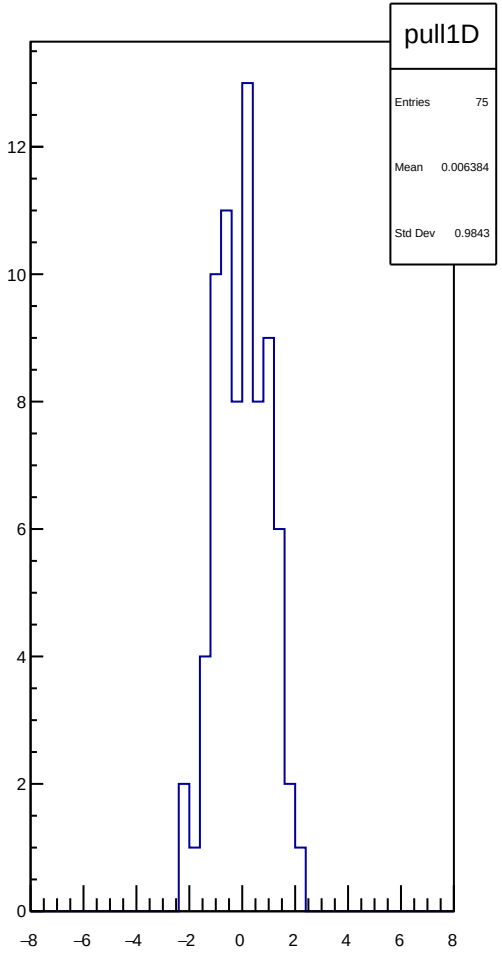

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

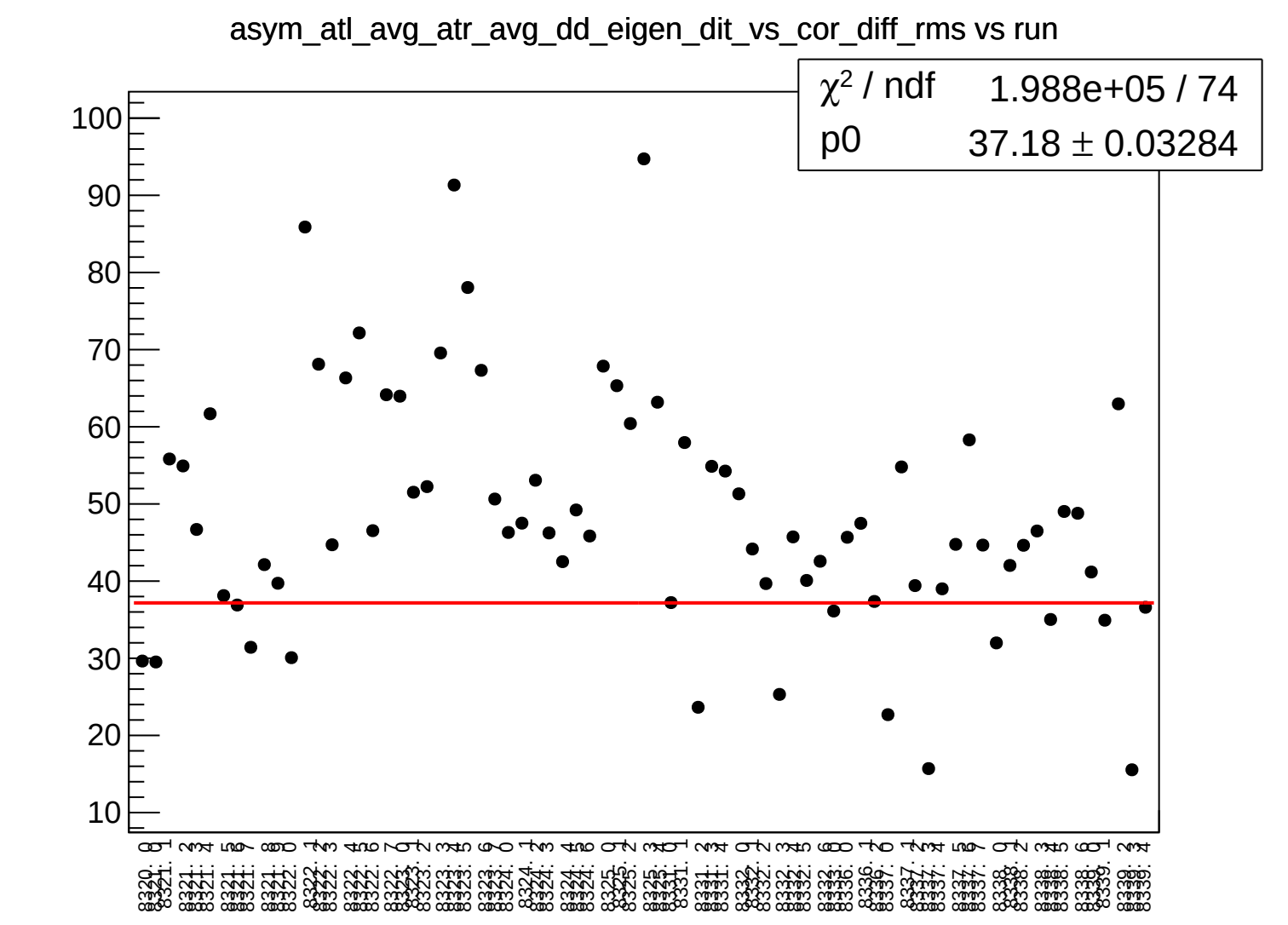

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.2 / 74
p0 2.968e−06 ± 1.607e−05
pull
Entries 75
Mean 590.3
Std Dev 0

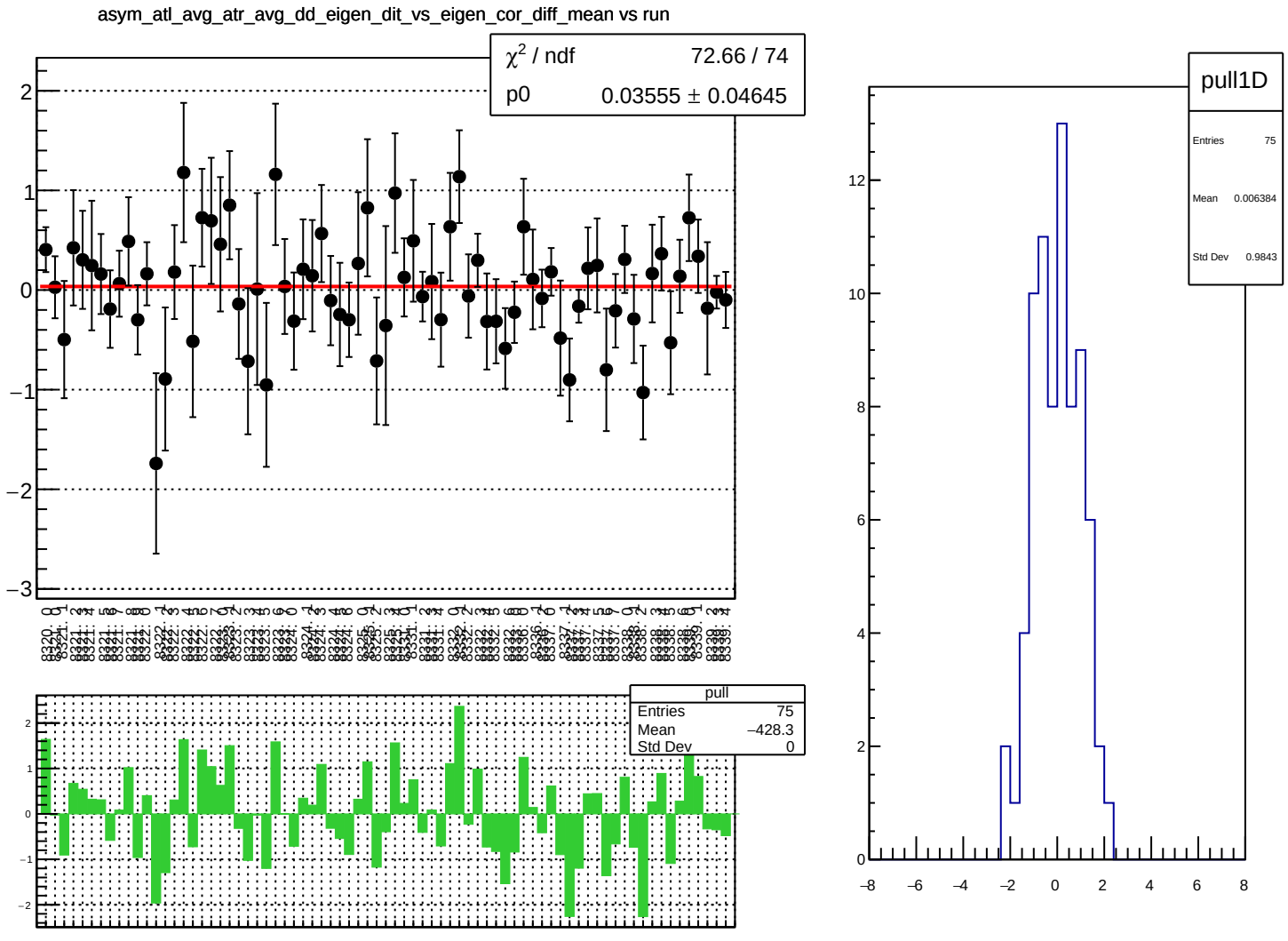

pull1D
Entries 75
Mean 0.001619
Std Dev 1.047

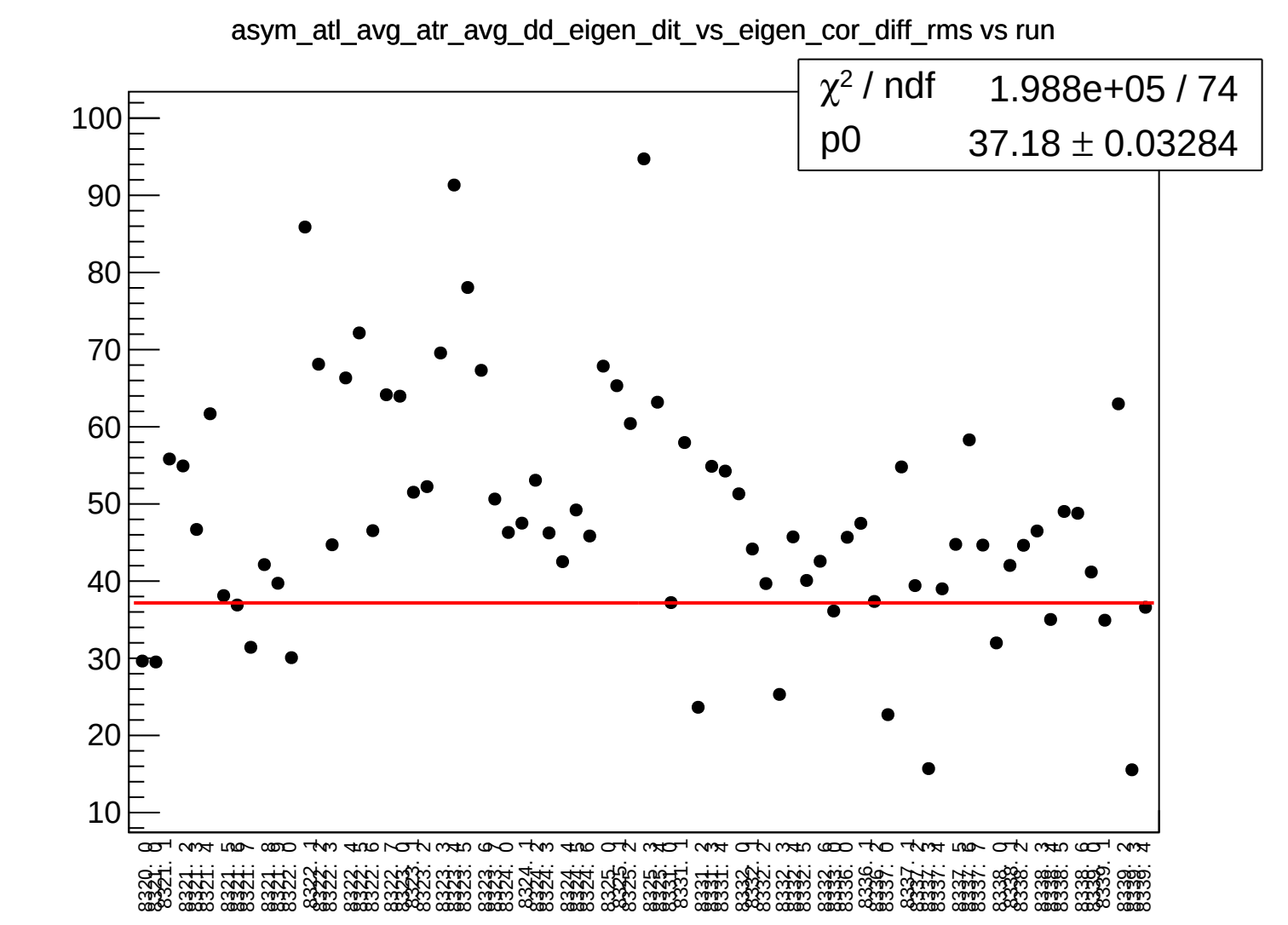

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1728 / 74
p0 0.01381 ± 1.136e–05
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125

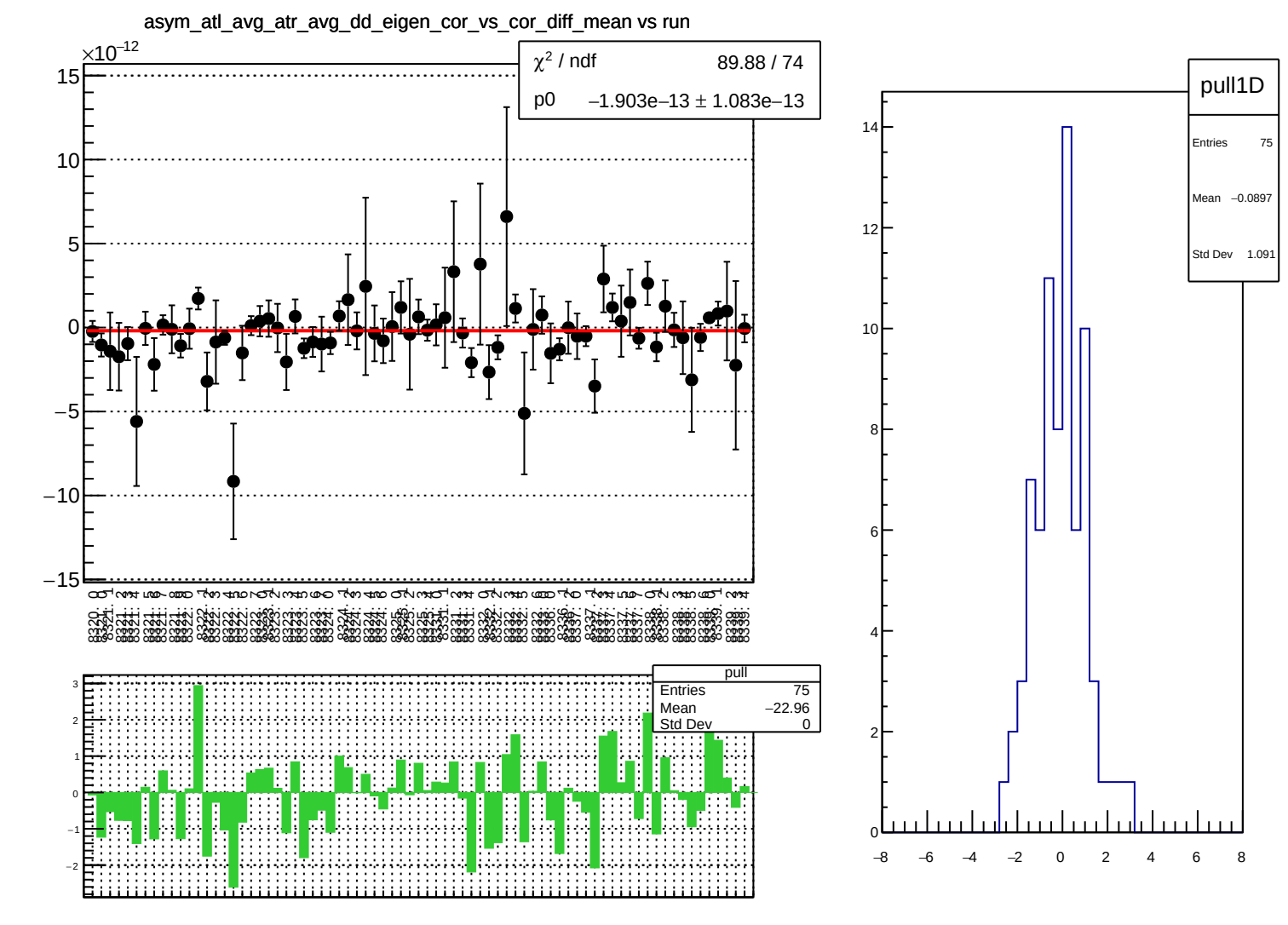

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03555 ± 0.04645
pull
Entries 75
Mean −428.3
Std Dev 0

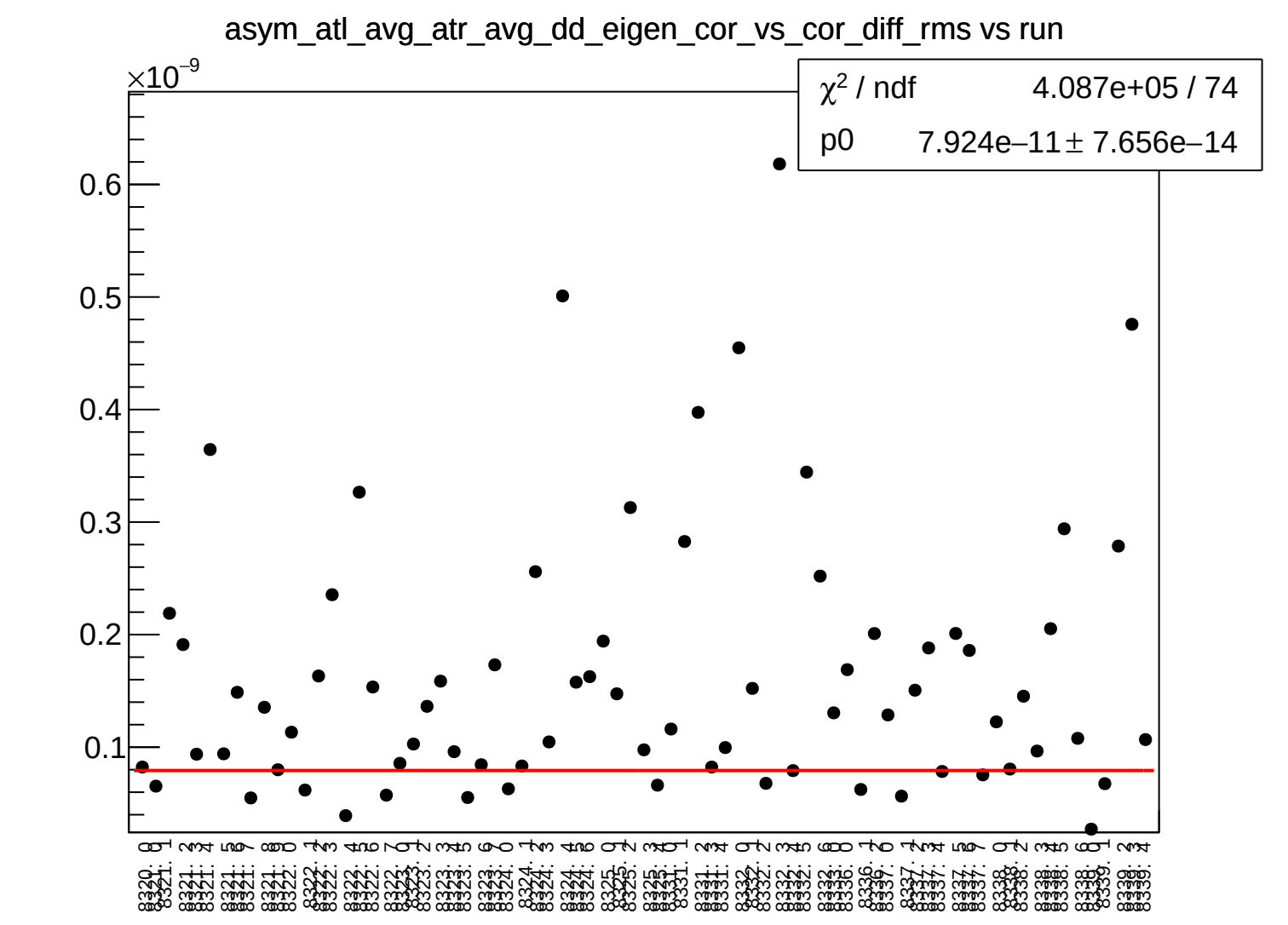

pull1D
Entries 75
Mean 0.006384
Std Dev 0.9843

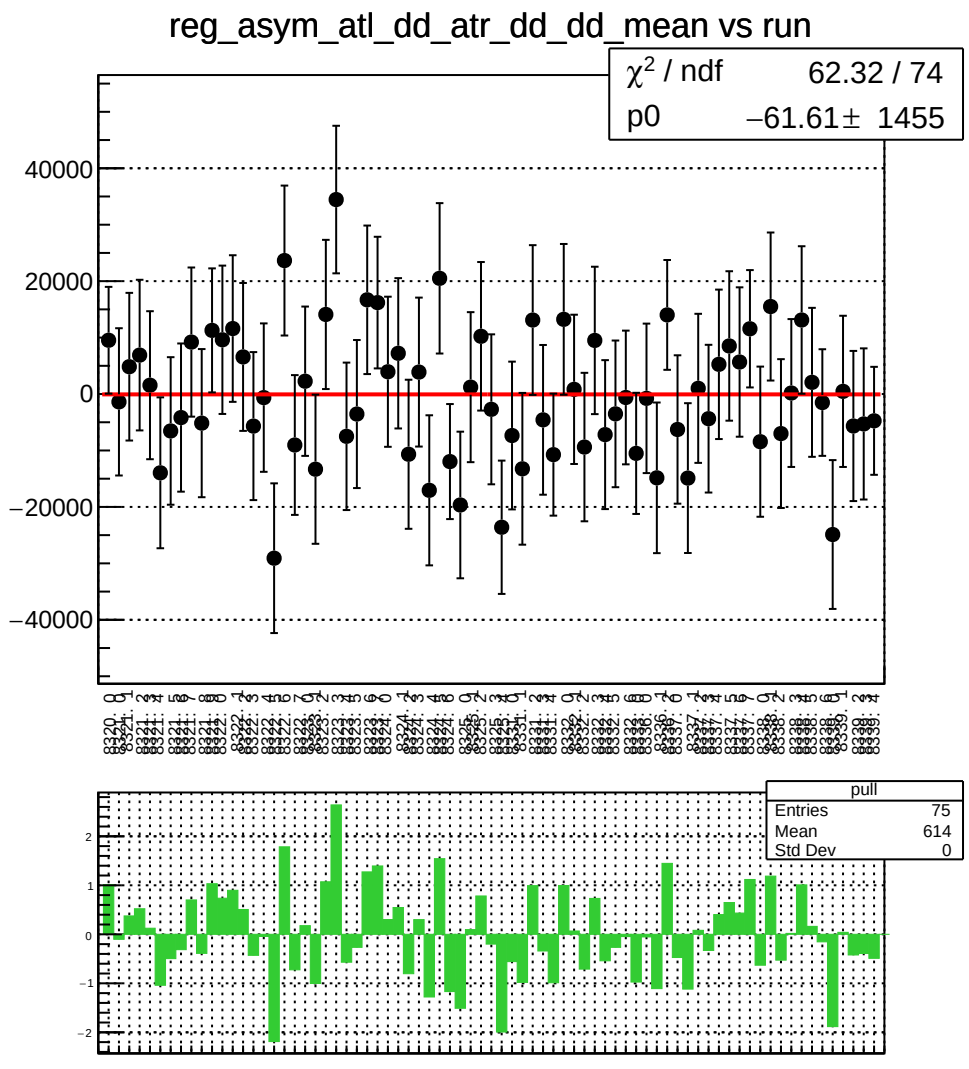

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.988e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

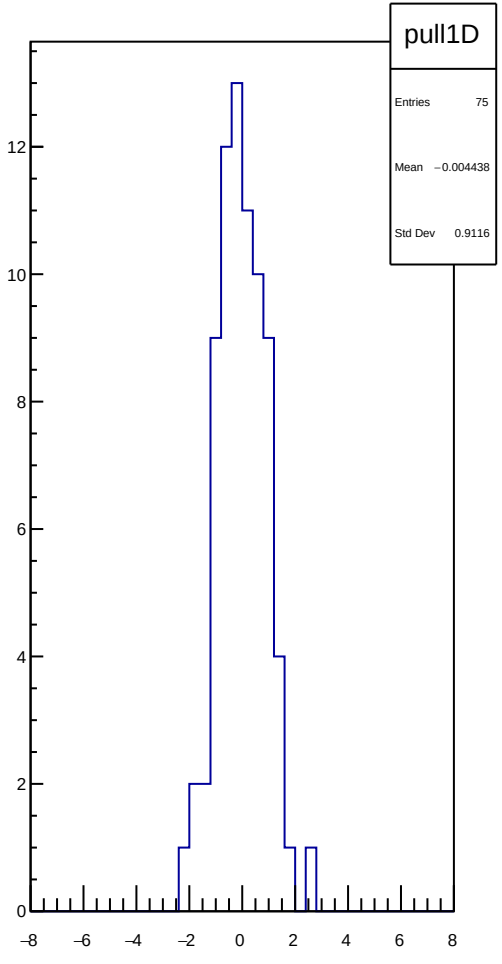

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03555 ± 0.04645
pull
Entries 75
Mean −428.3
Std Dev 0
pull1D
Entries 75
Mean 0.006384
Std Dev 0.9843

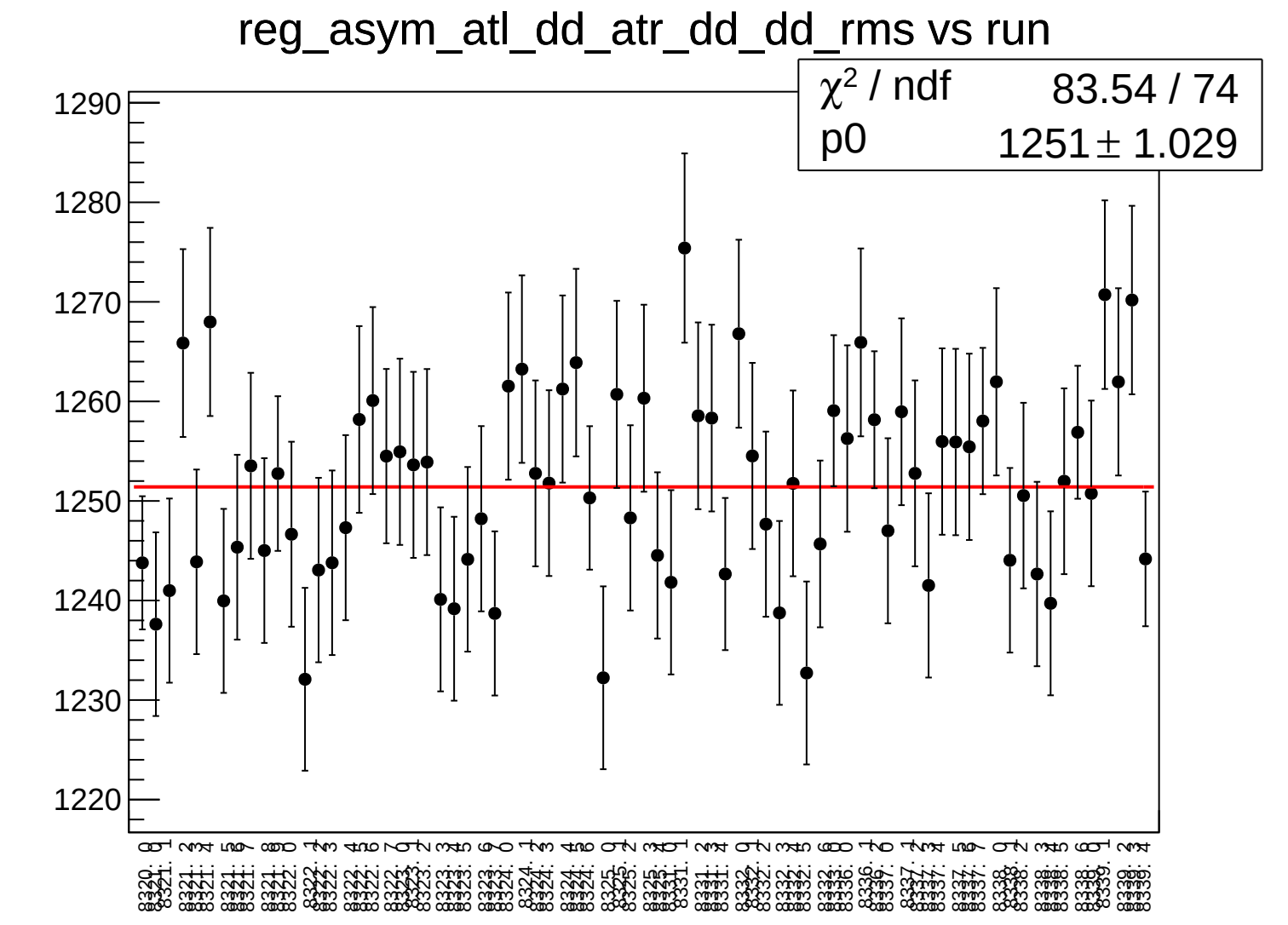

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.988e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

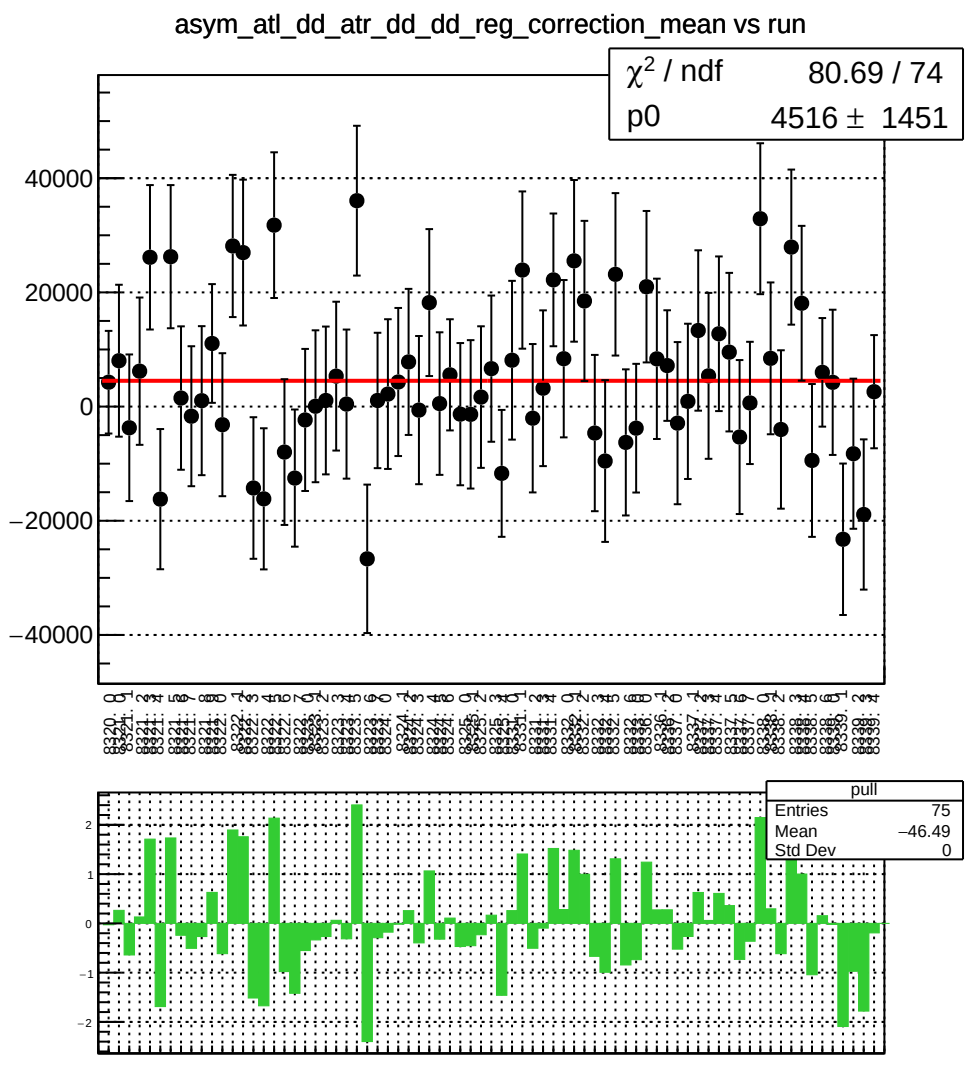

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.88 / 74
p0 −1.903e−13 ± 1.083e−13
pull
Entries 75
Mean −22.96
Std Dev 0
pull1D
Entries 75
Mean −0.0897
Std Dev 1.091

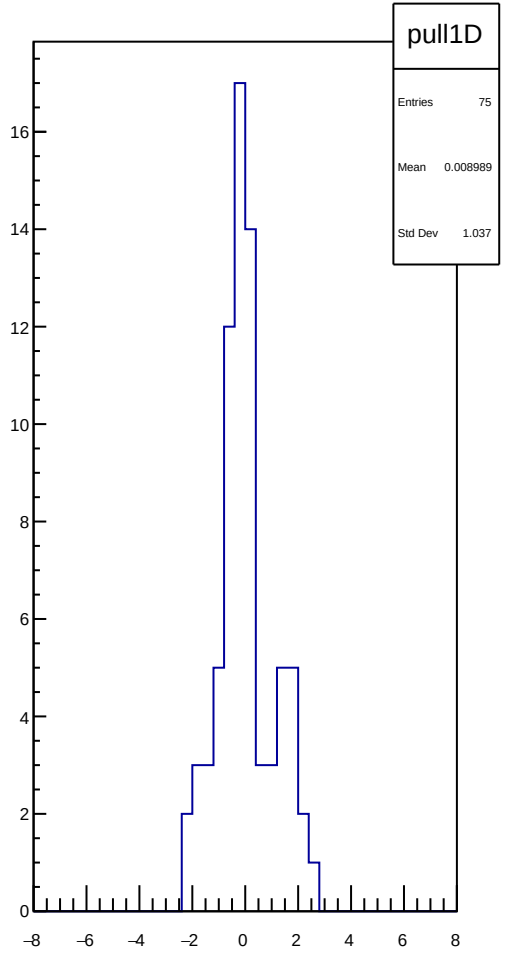

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.087e+05 / 74
p0 7.924e−11 ± 7.656e−14
0.6
0.5
0.4
0.3
0.2
0.1

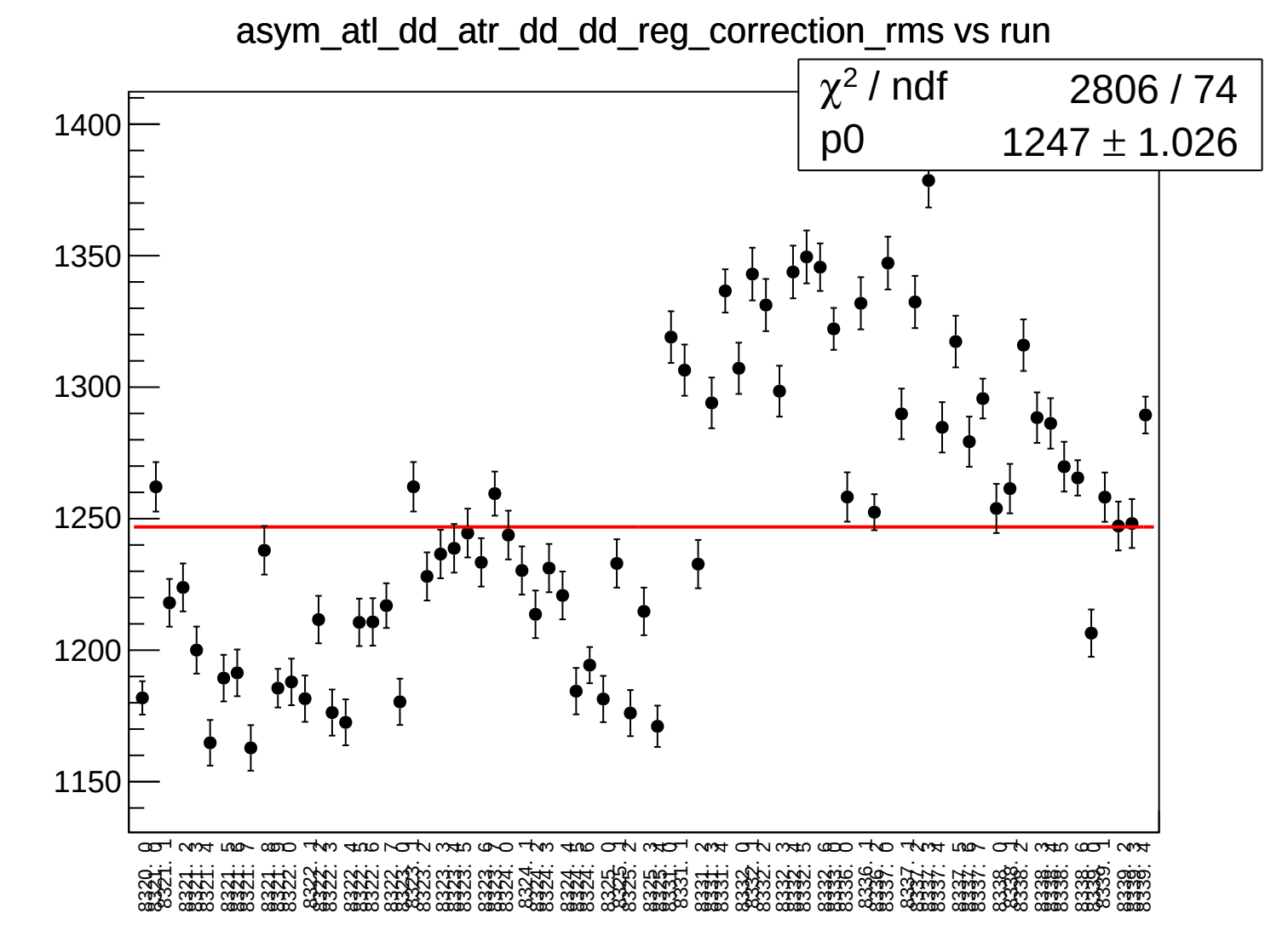

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.32 / 74
p0 −61.61± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 614
Std Dev 0
2
1
0
−1
−2

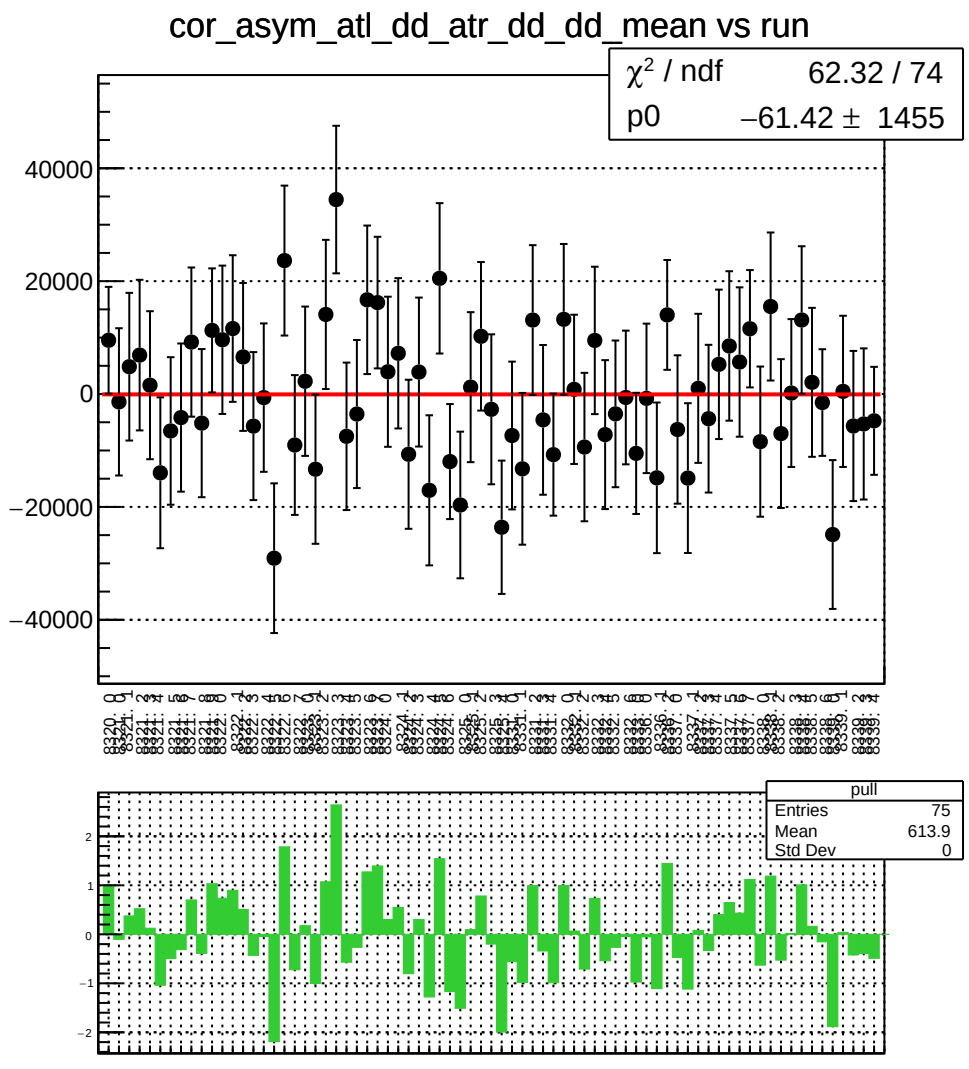

pull1D
Entries 75
Mean −0.004438
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

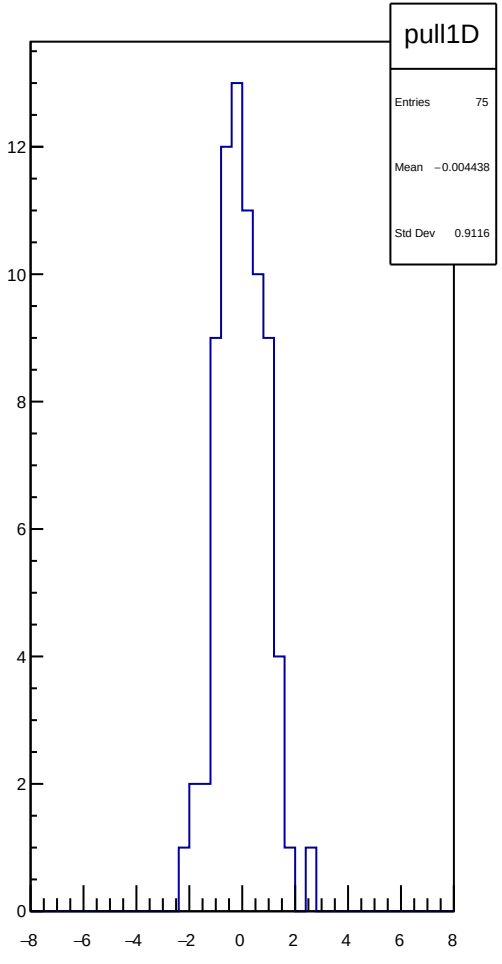

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 83.54 / 74
p0 1251 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

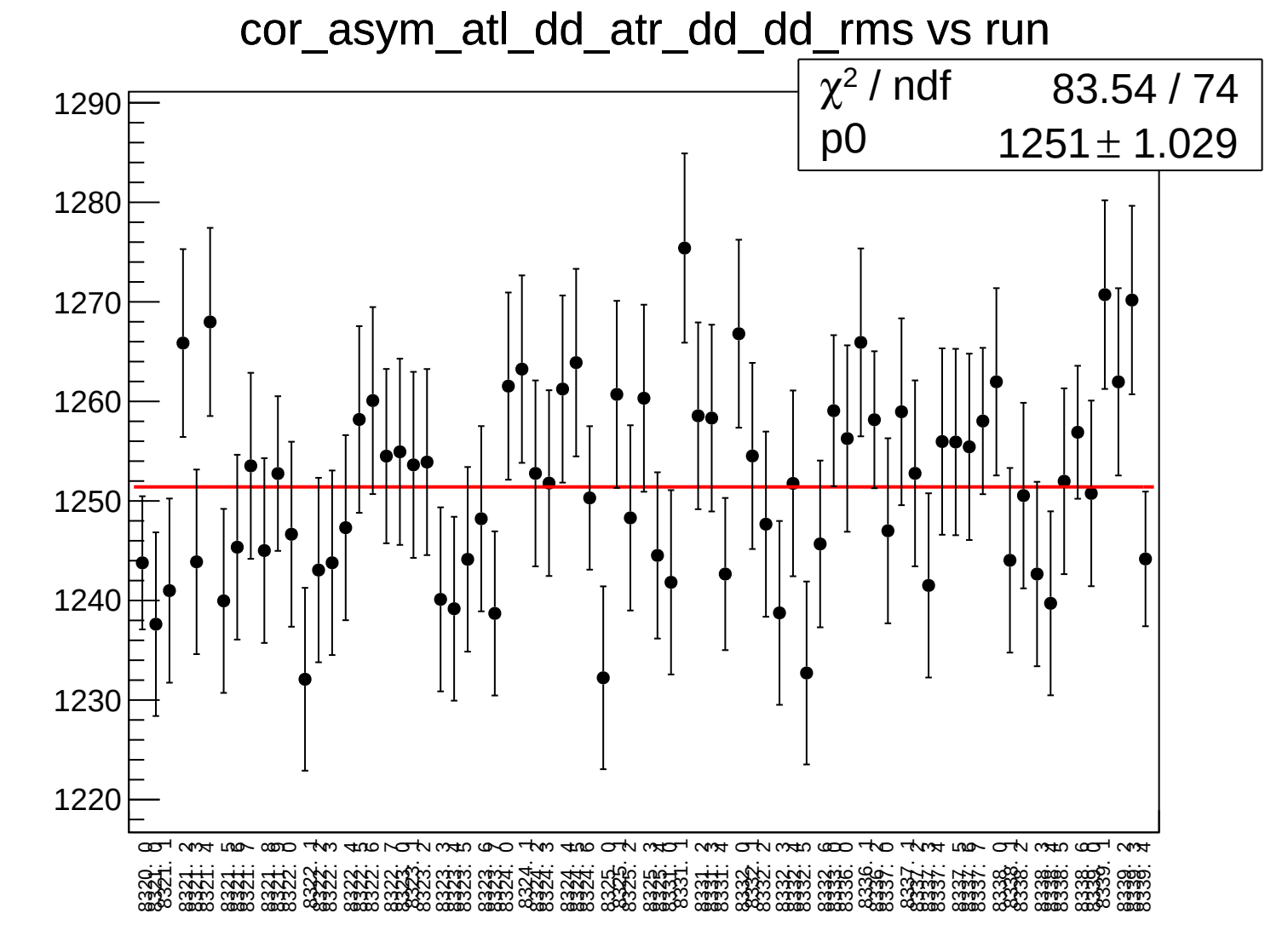

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 80.69 / 74
p0 4516 ± 1451
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −46.49
Std Dev 0
2
1
0
−1
−2

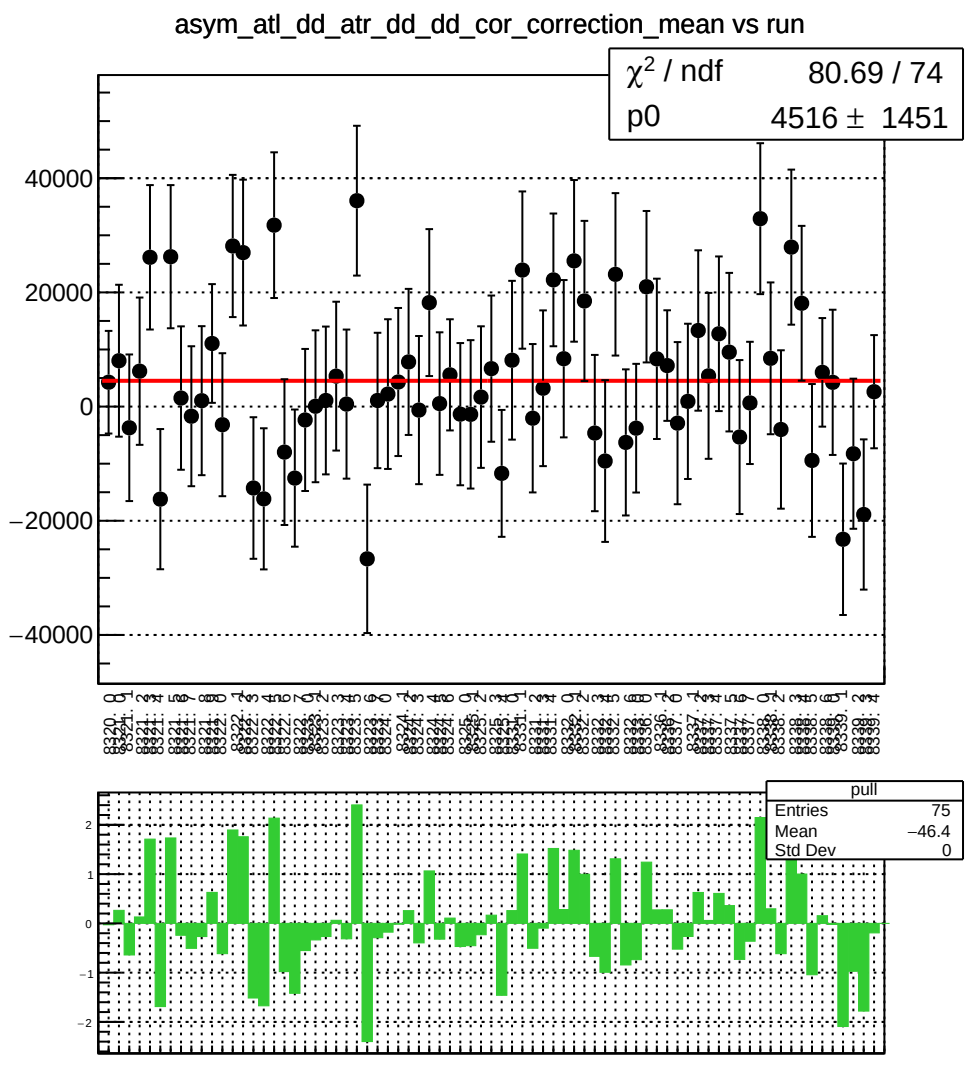

pull1D
Entries 75
Mean 0.008989
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

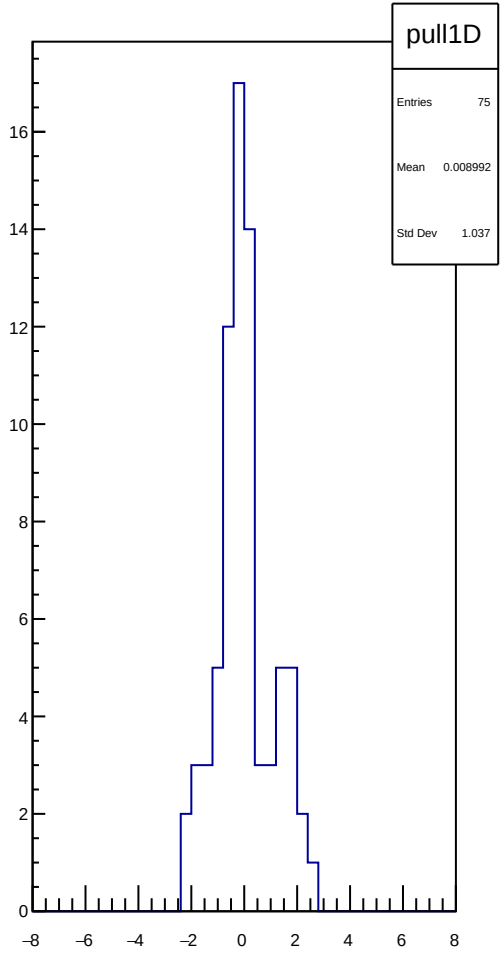

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 2806 / 74
p0 1247 ± 1.026
1400
1350
1300
1250
1200
1150

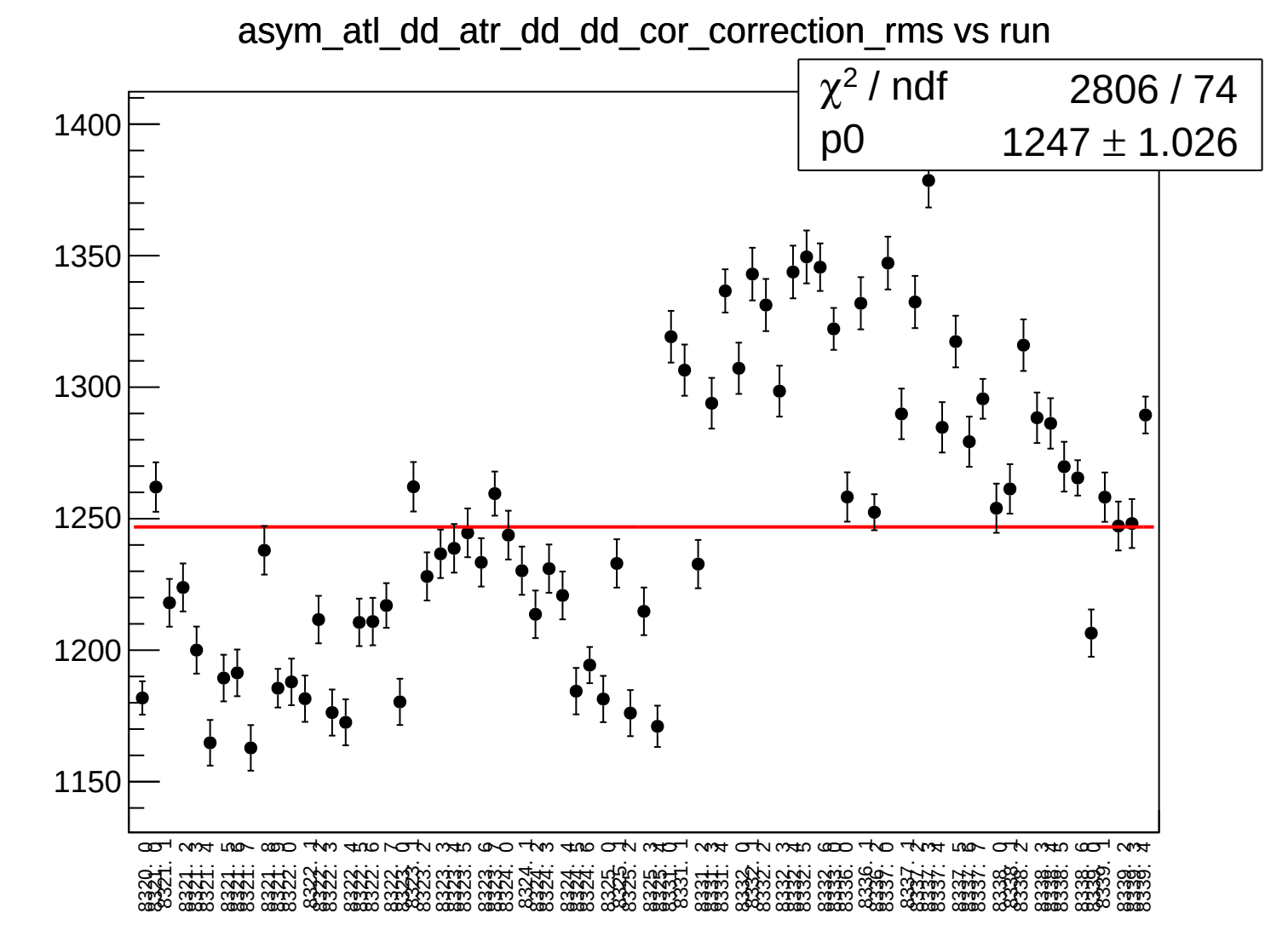

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.32 / 74
p0 −61.42 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 613.9
Std Dev 0
2
1
0
−1
−2

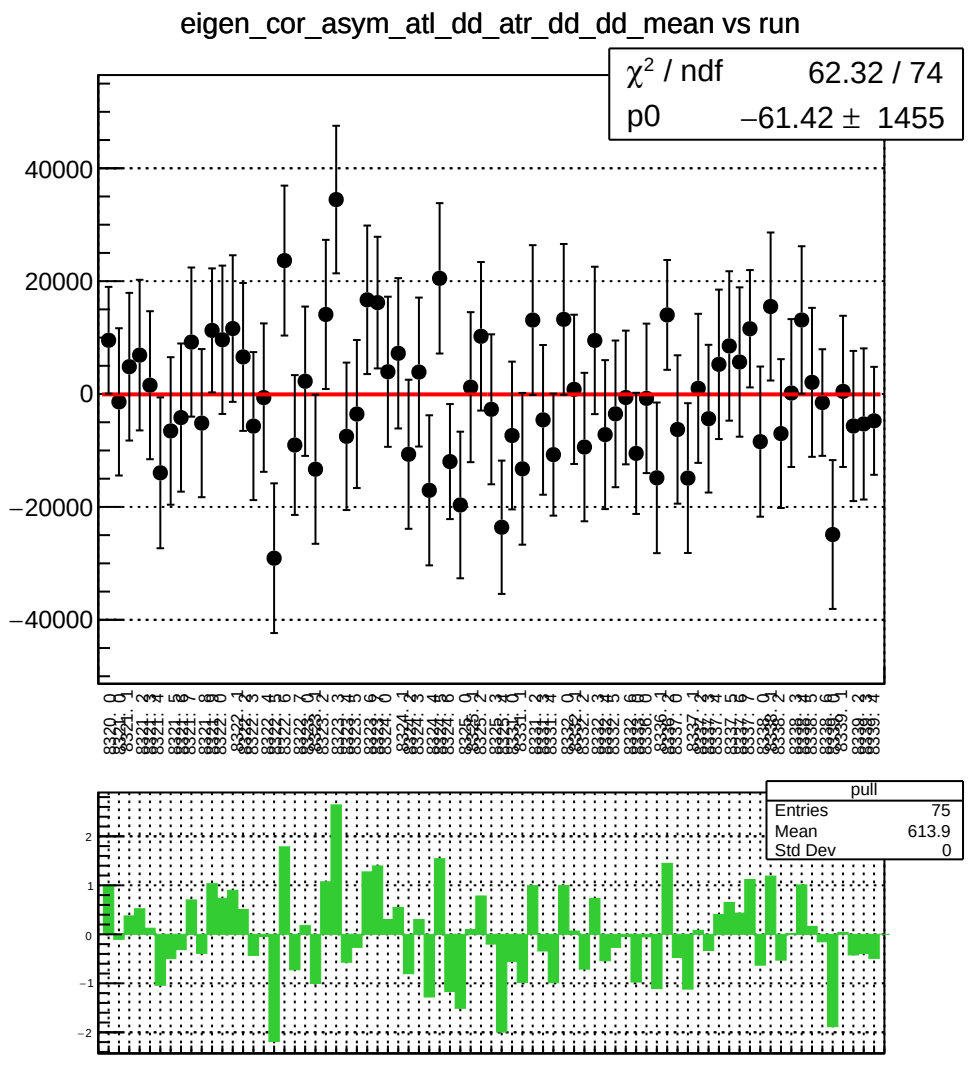

pull1D
Entries 75
Mean −0.004438
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

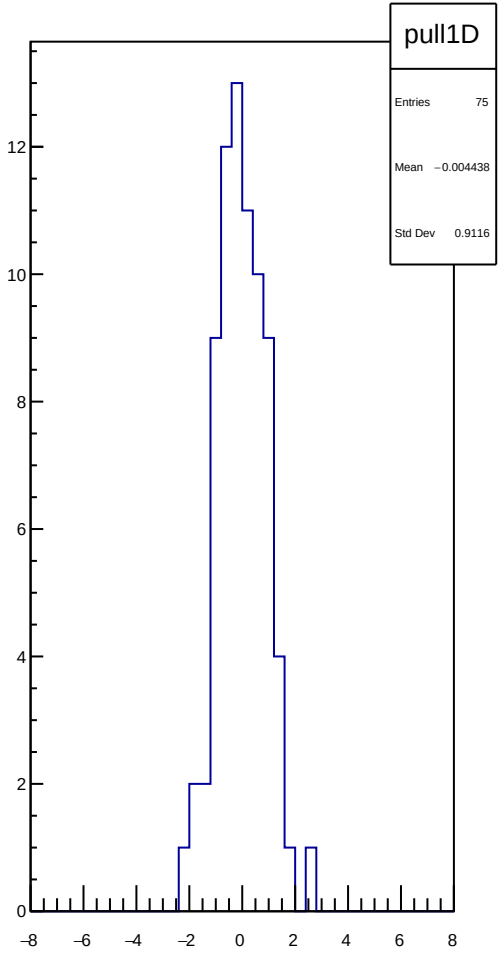

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 83.54 / 74
p0 1251 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

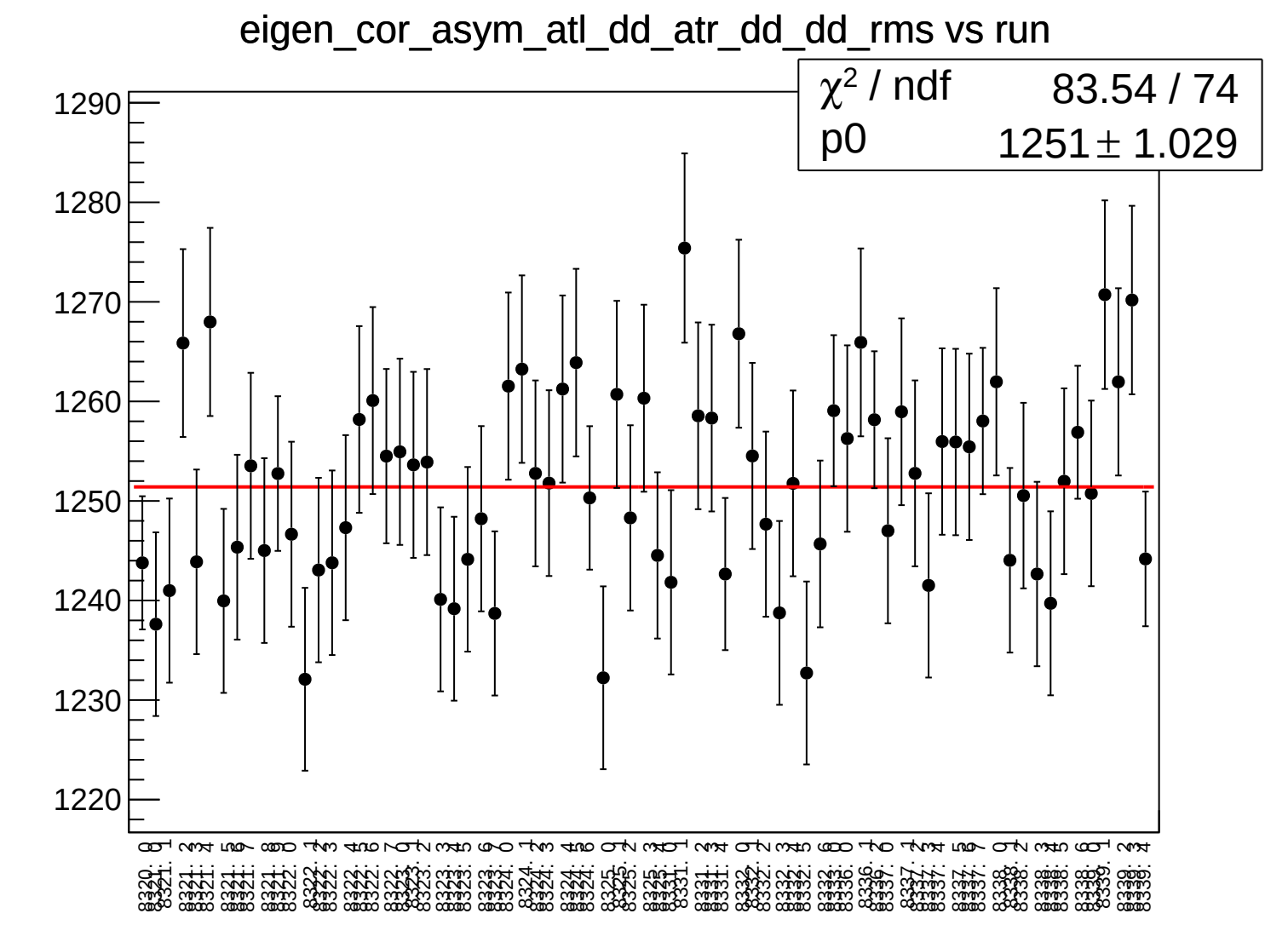

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 80.69 / 74
p0 4516 ± 1451
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −46.4
Std Dev 0
2
1
0
−1
−2

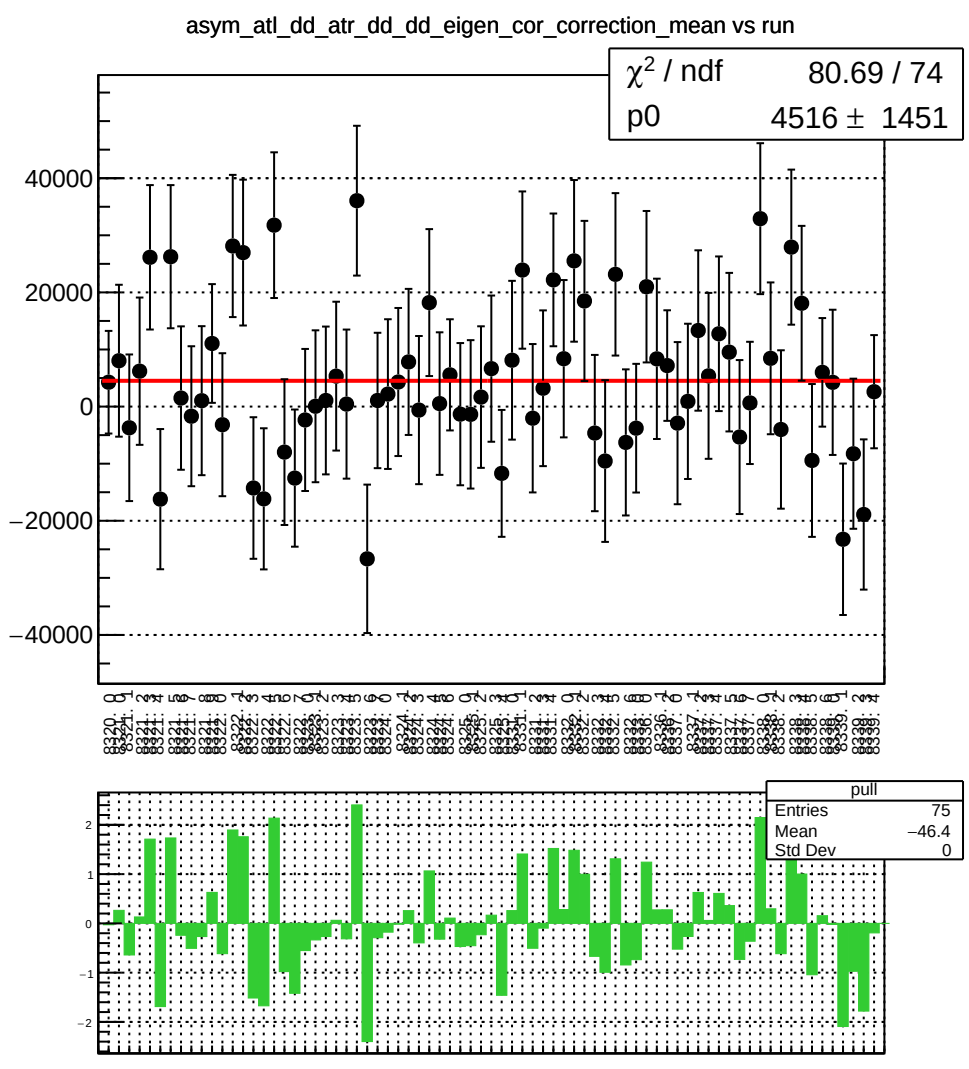

pull1D
Entries 75
Mean 0.008992
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

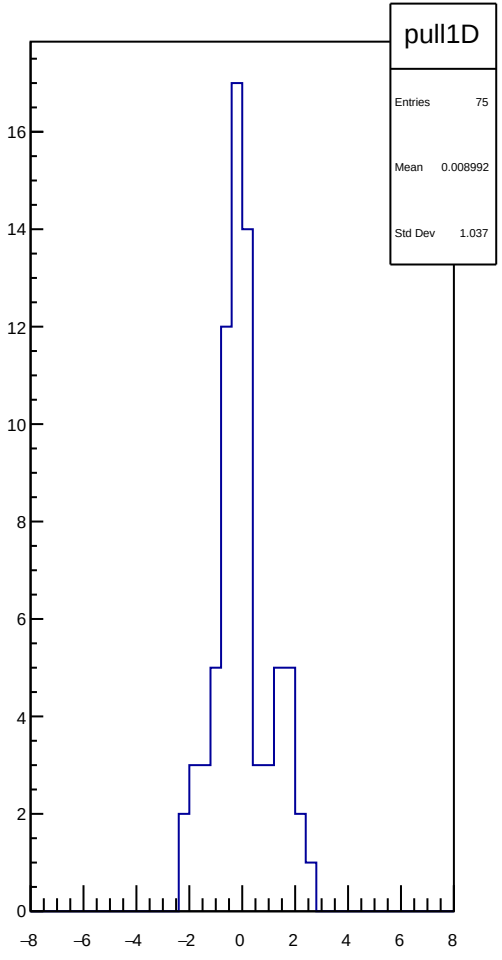

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2806 / 74
p0 1247 ± 1.026
1400
1350
1300
1250
1200
1150

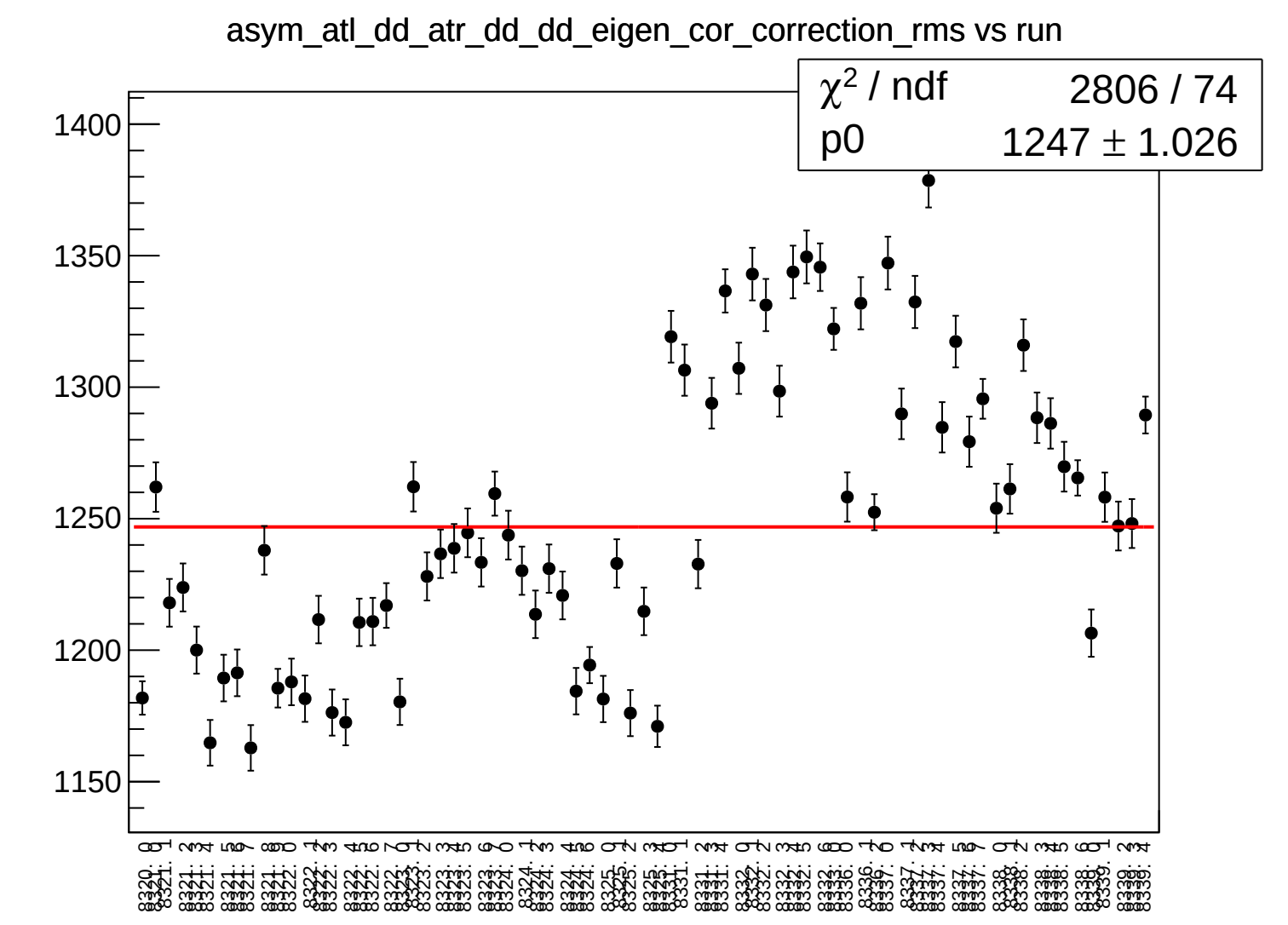

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.32 / 74
p0 −61.42 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 613.9
Std Dev 0
2
1
0
−1
−2

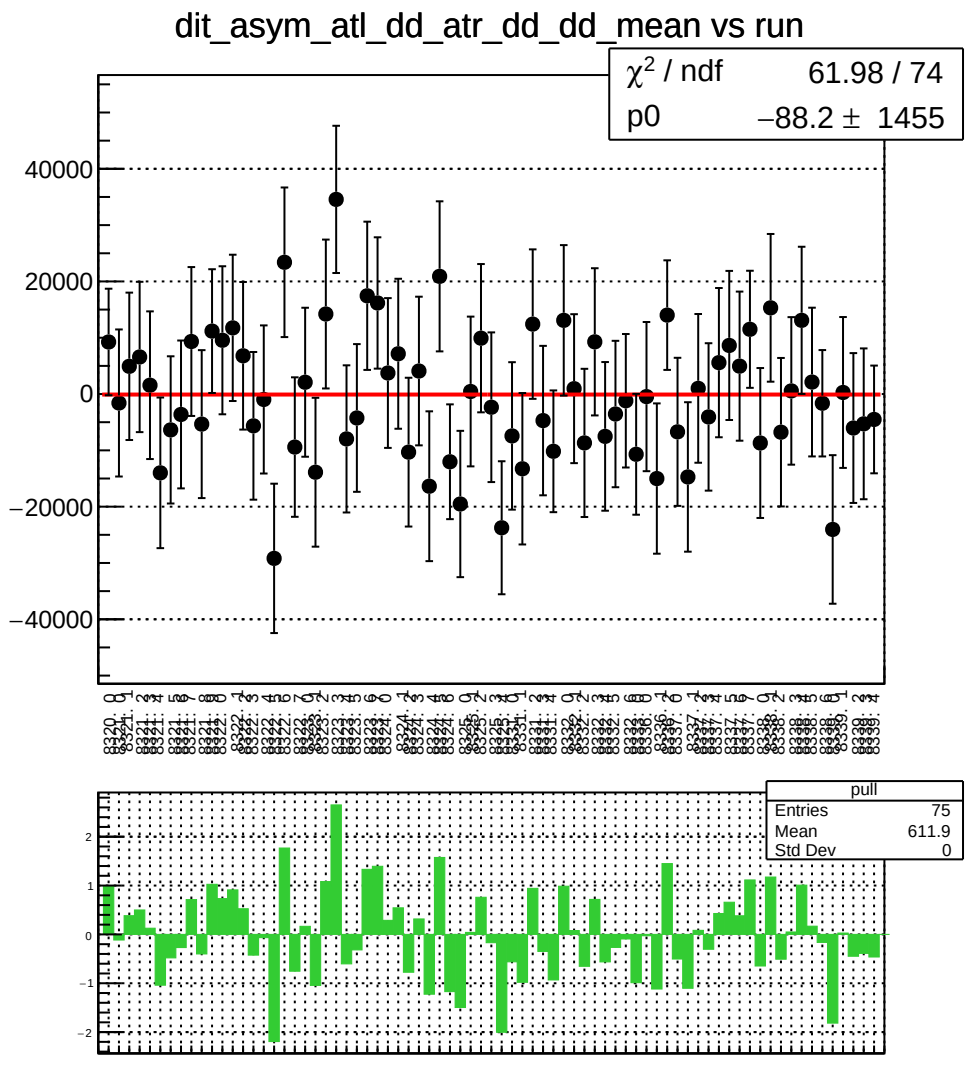

pull1D
Entries 75
Mean −0.004438
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

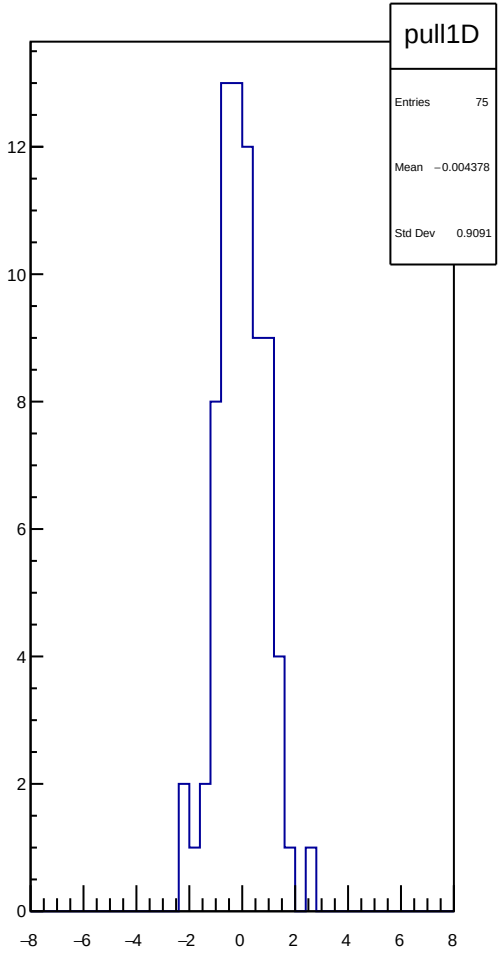

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 83.54 / 74
p0 1251 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

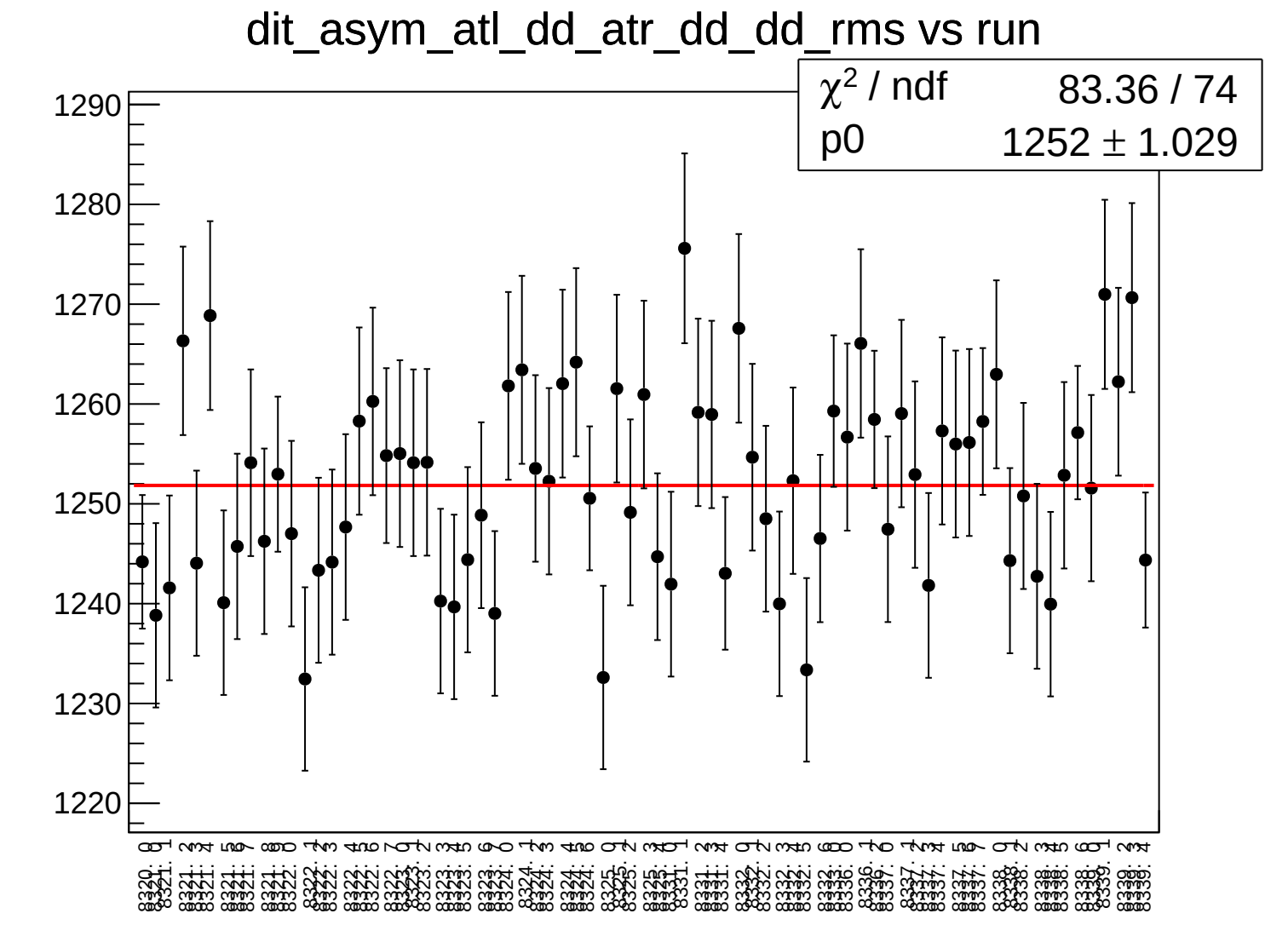

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 80.69 / 74
p0 4516 ± 1451
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −46.4
Std Dev 0
2
1
0
−1
−2

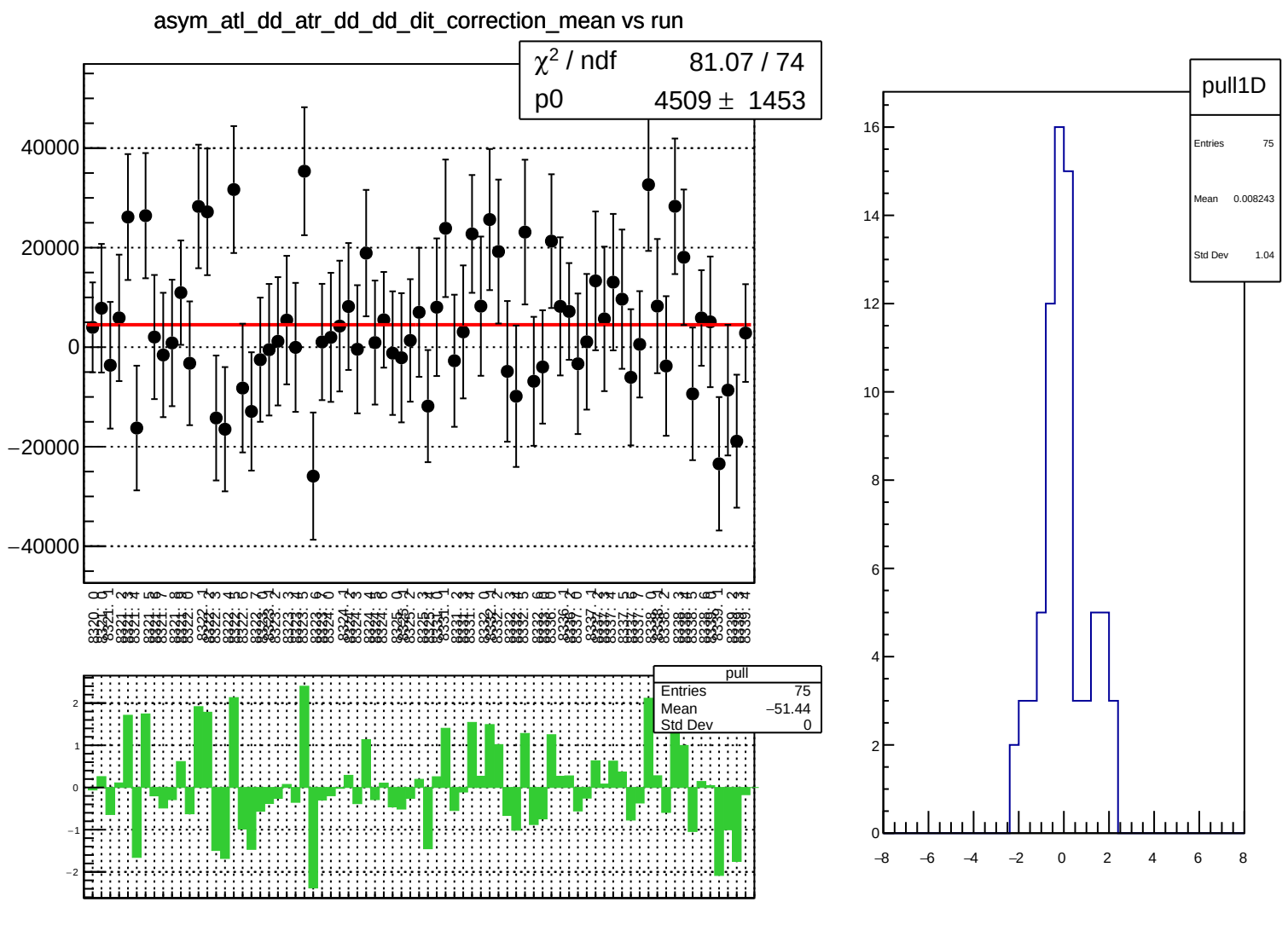

pull1D
Entries 75
Mean 0.008992
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

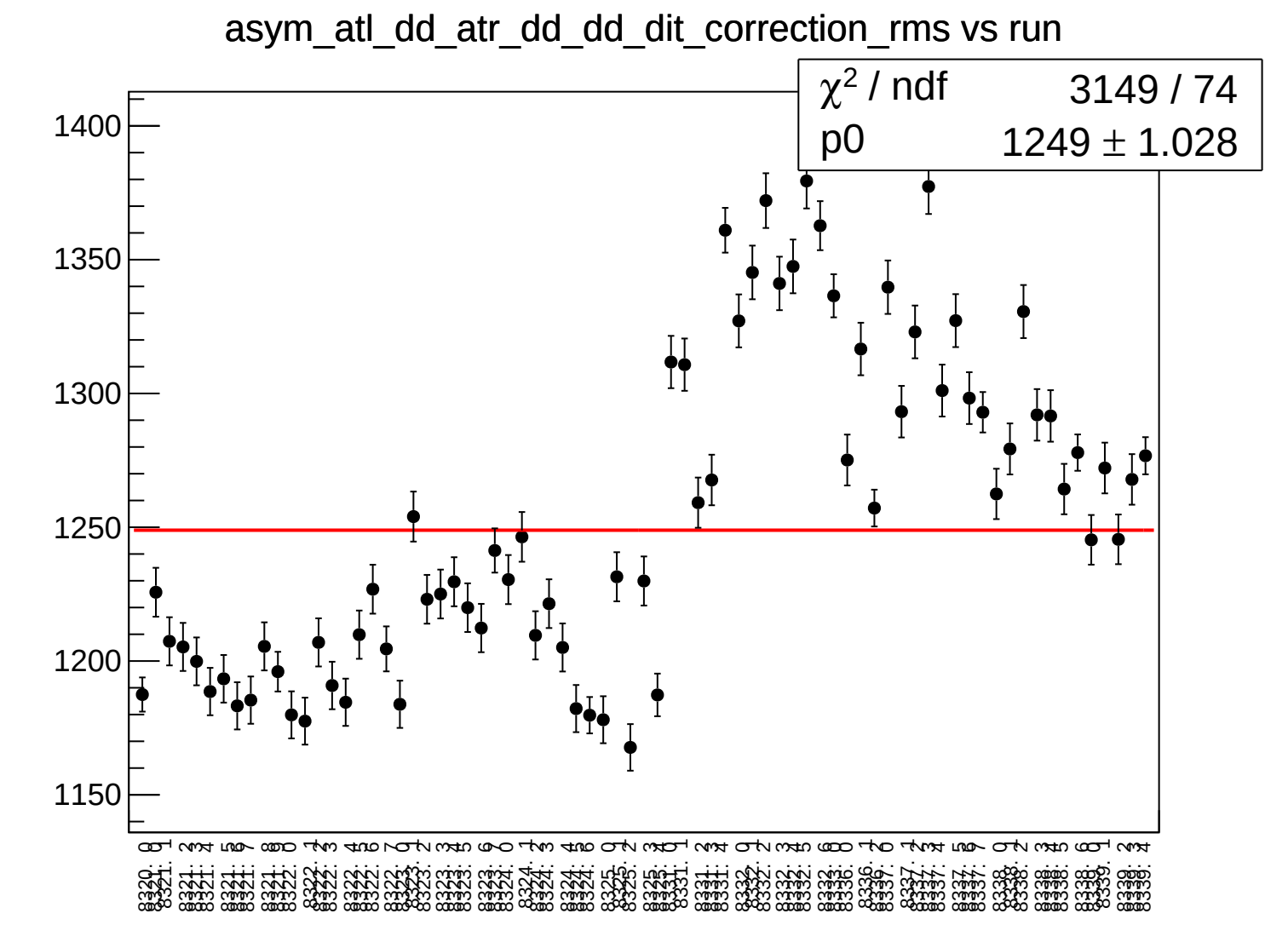

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2806 / 74
p0 1247 ± 1.026
1400
1350
1300
1250
1200
1150

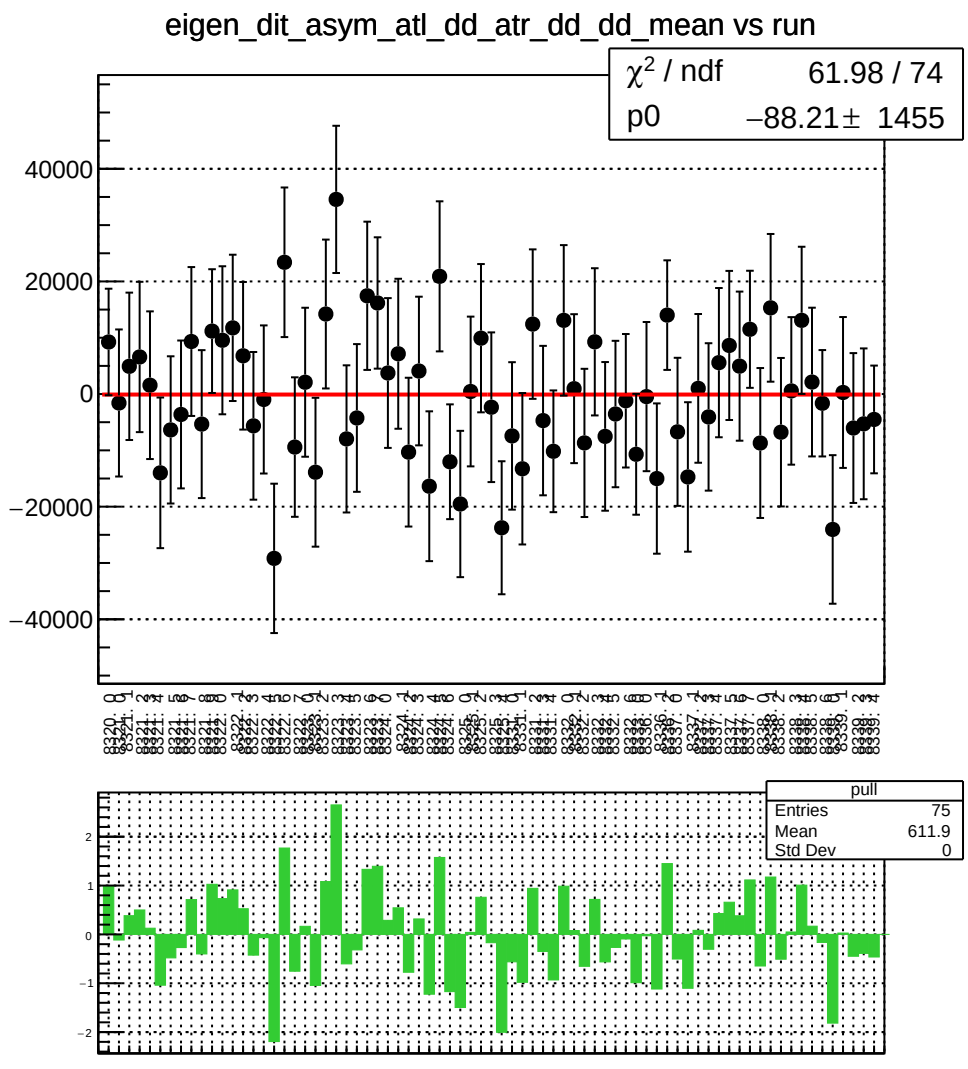

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.98 / 74
p0 −88.2 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 611.9
Std Dev 0
2
1
0
−1
−2

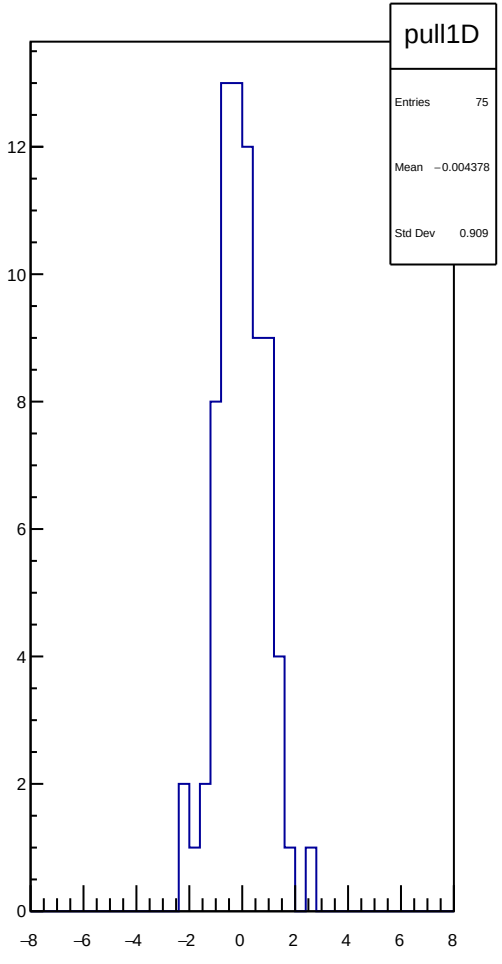

pull1D
Entries 75
Mean −0.004378
Std Dev 0.9091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

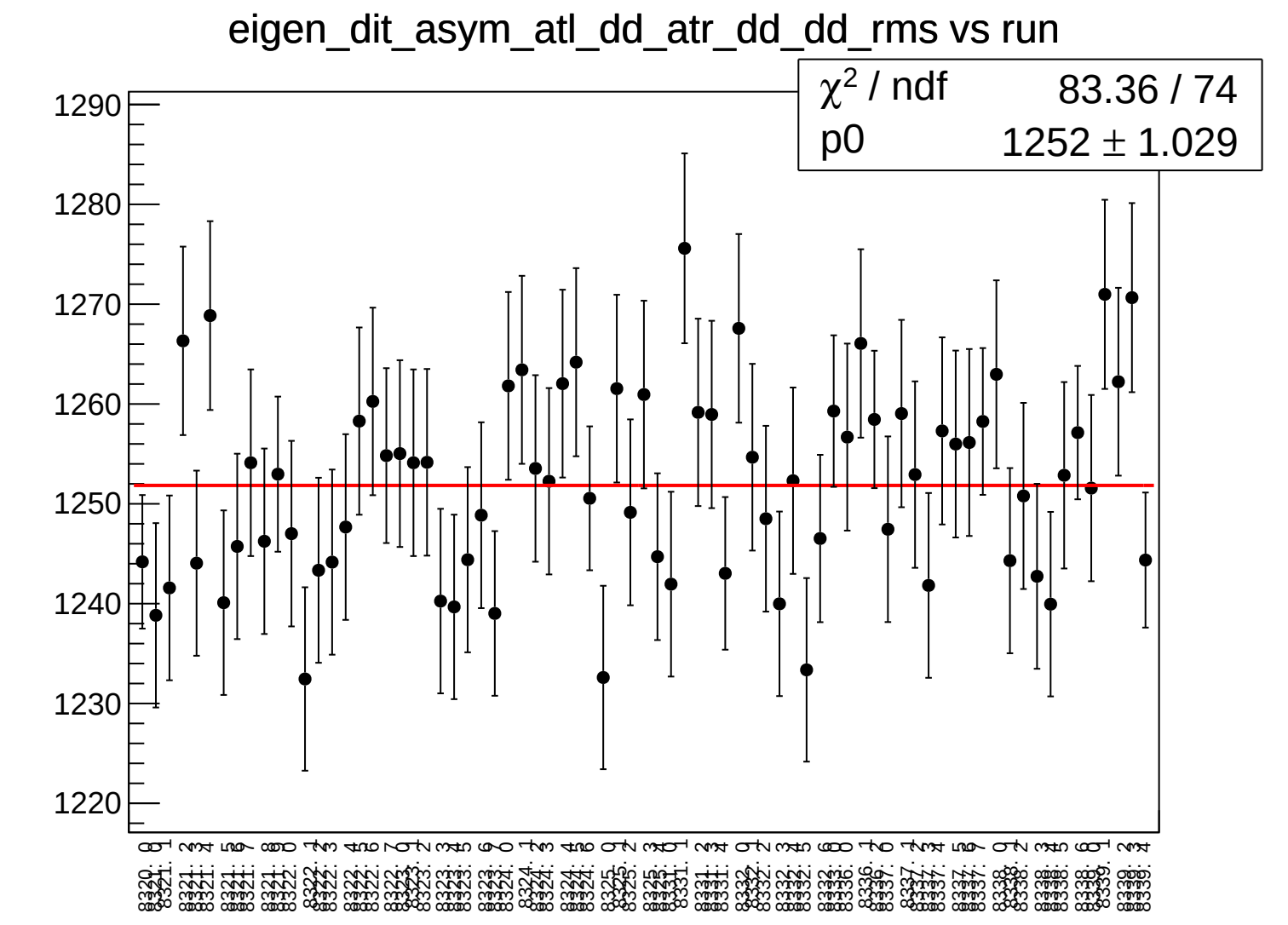

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 83.36 / 74
p0 1252 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

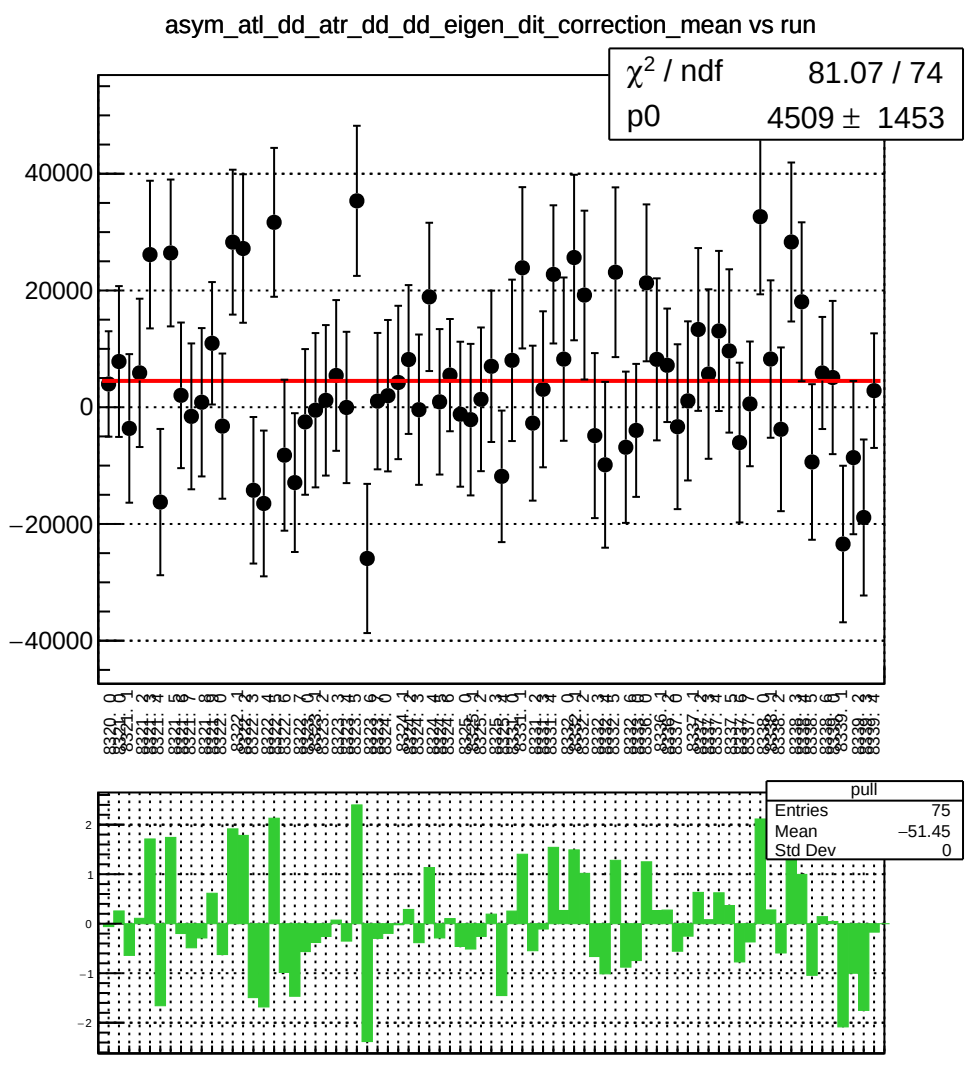

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 81.07 / 74
p0 4509 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −51.44
Std Dev 0
pull1D
Entries 75
Mean 0.008243
Std Dev 1.04

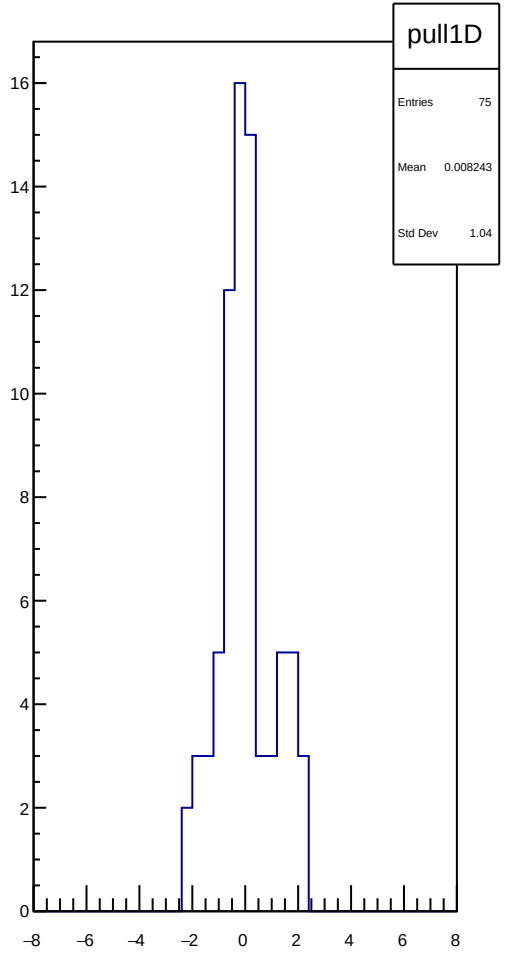

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 3149 / 74
p0 1249 ± 1.028
1400
1350
1300
1250
1200
1150

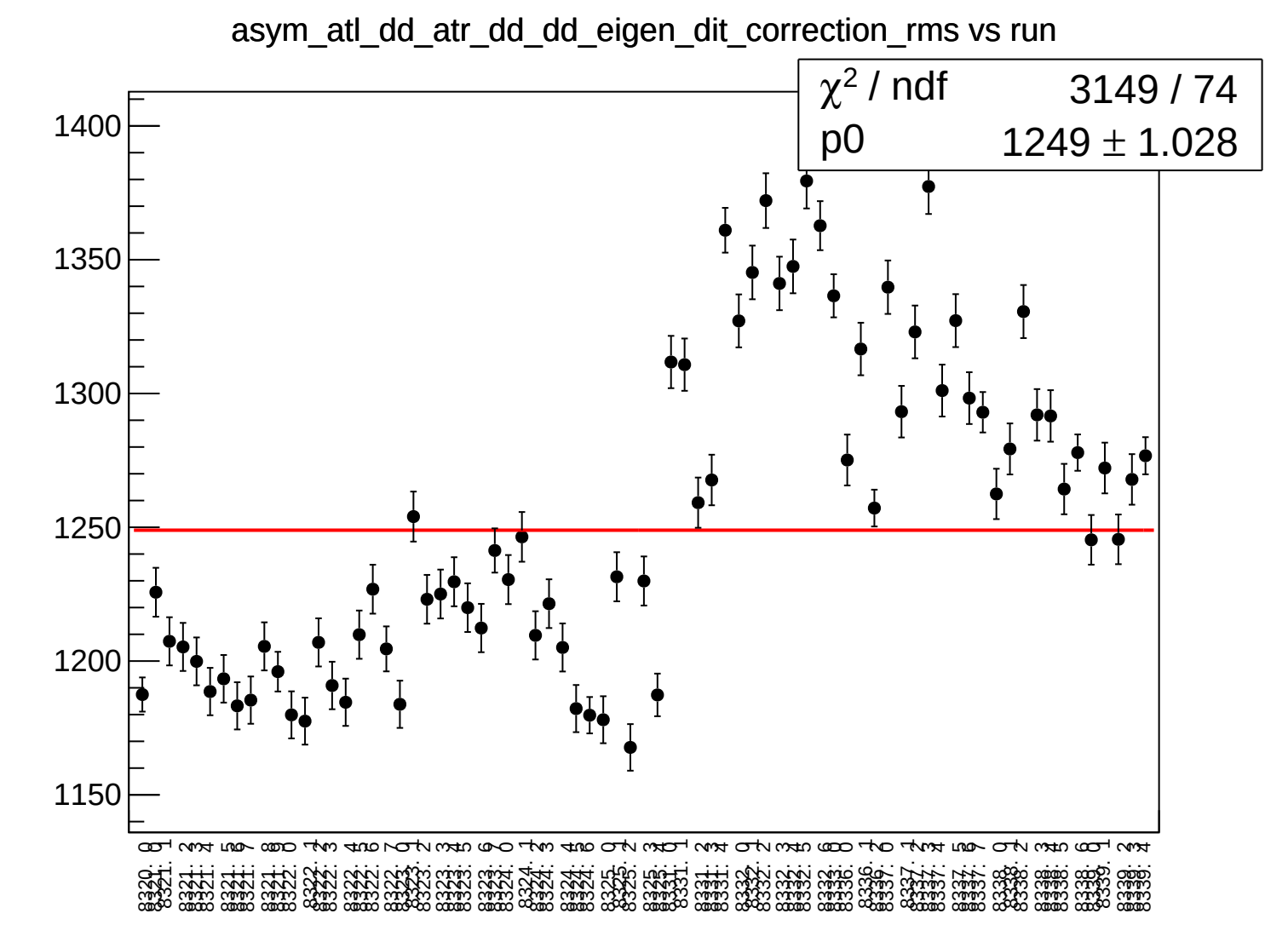

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.98 / 74
p0 −88.21± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 611.9
Std Dev 0
2
1
0
−1
−2

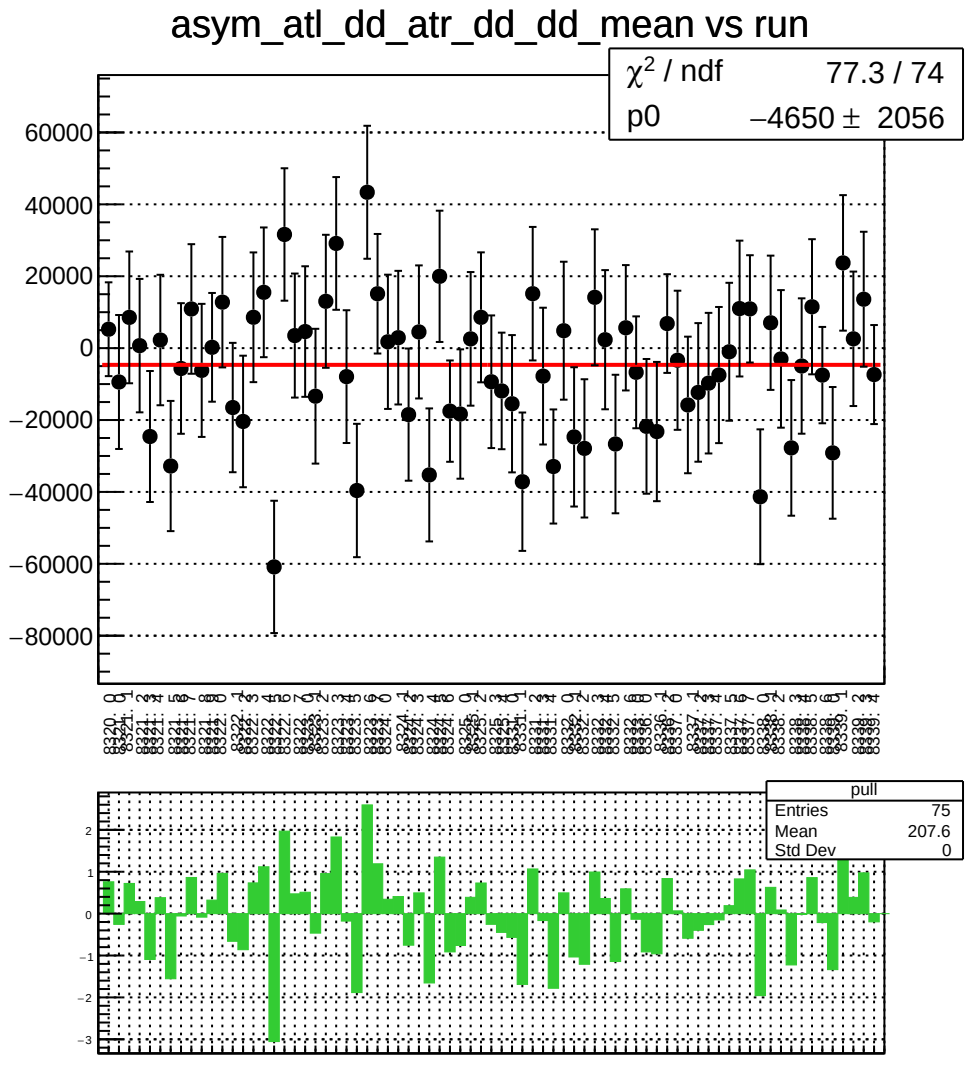

pull1D
Entries 75
Mean −0.004378
Std Dev 0.909
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

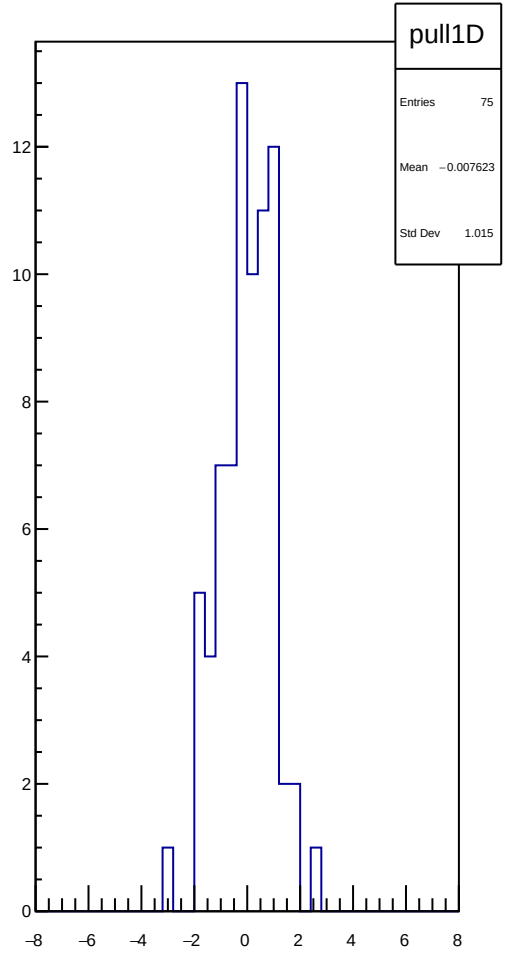

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 83.36 / 74
p0 1252 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

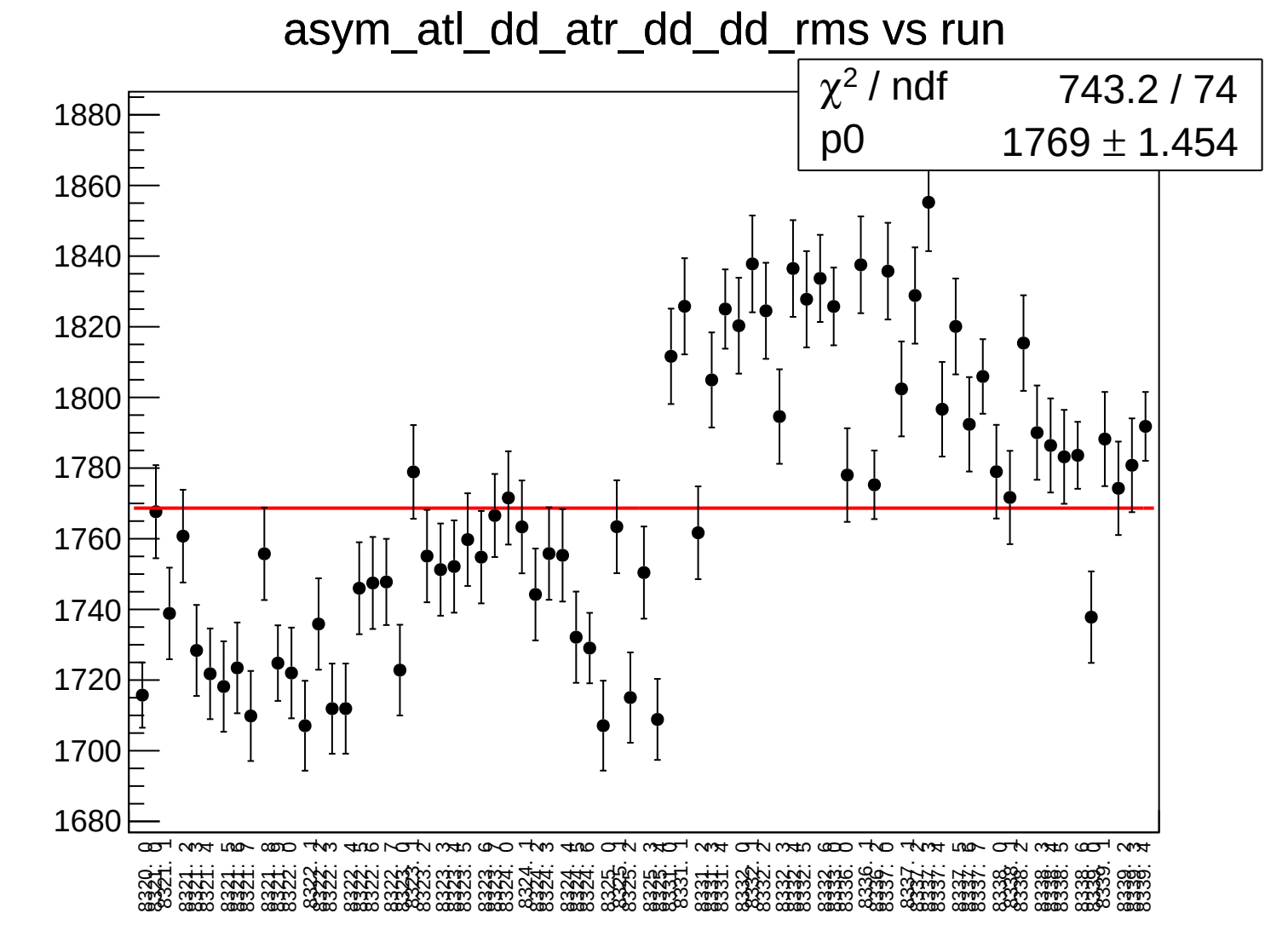

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 81.07 / 74
p0 4509 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −51.45
Std Dev 0
2
1
0
−1
−2

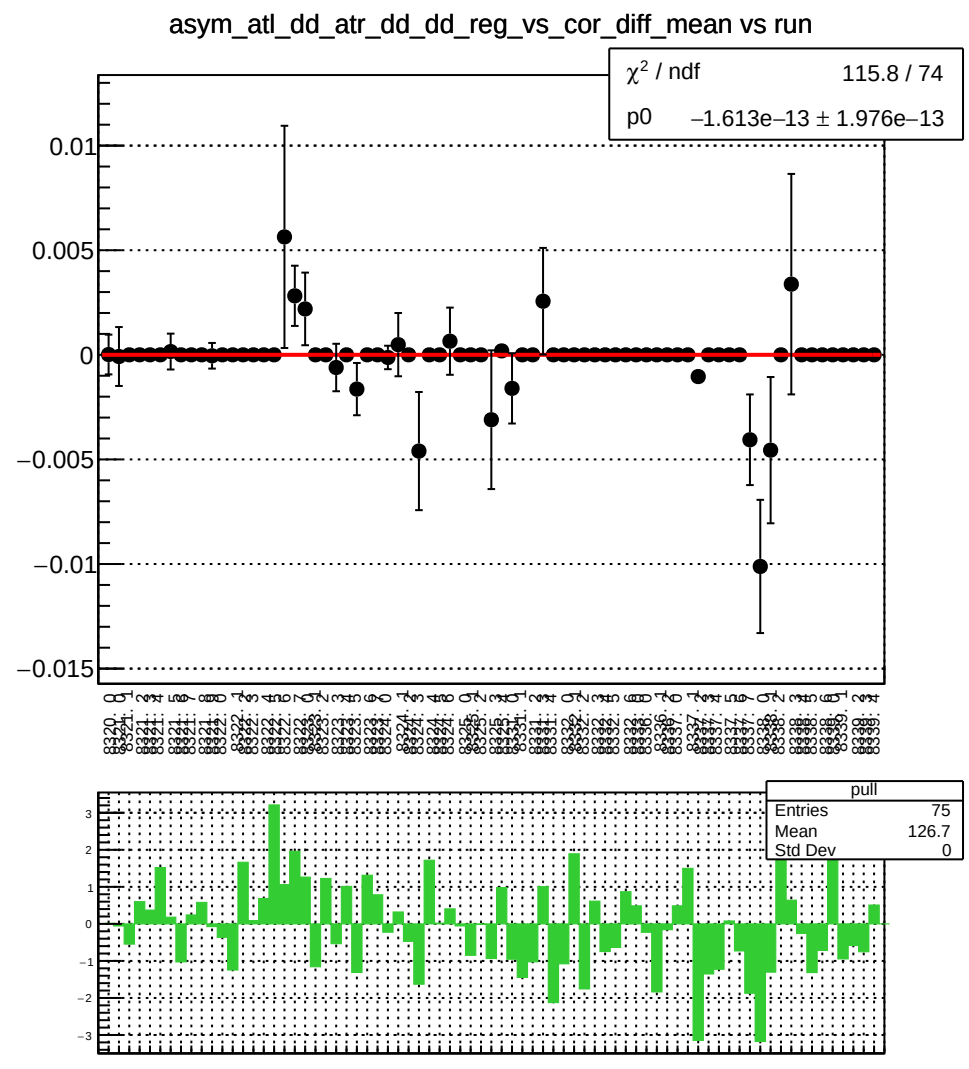

pull1D
Entries 75
Mean 0.008243
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

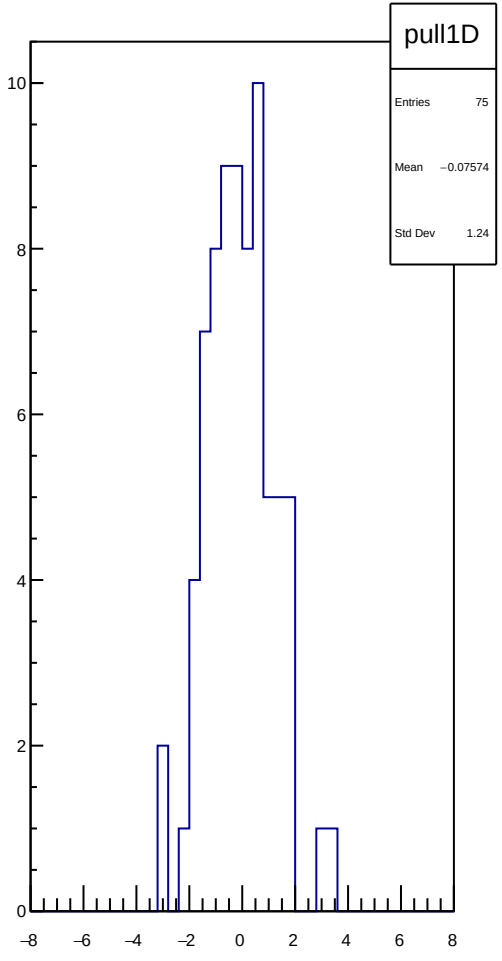

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3149 / 74
p0 1249 ± 1.028
1400
1350
1300
1250
1200
1150

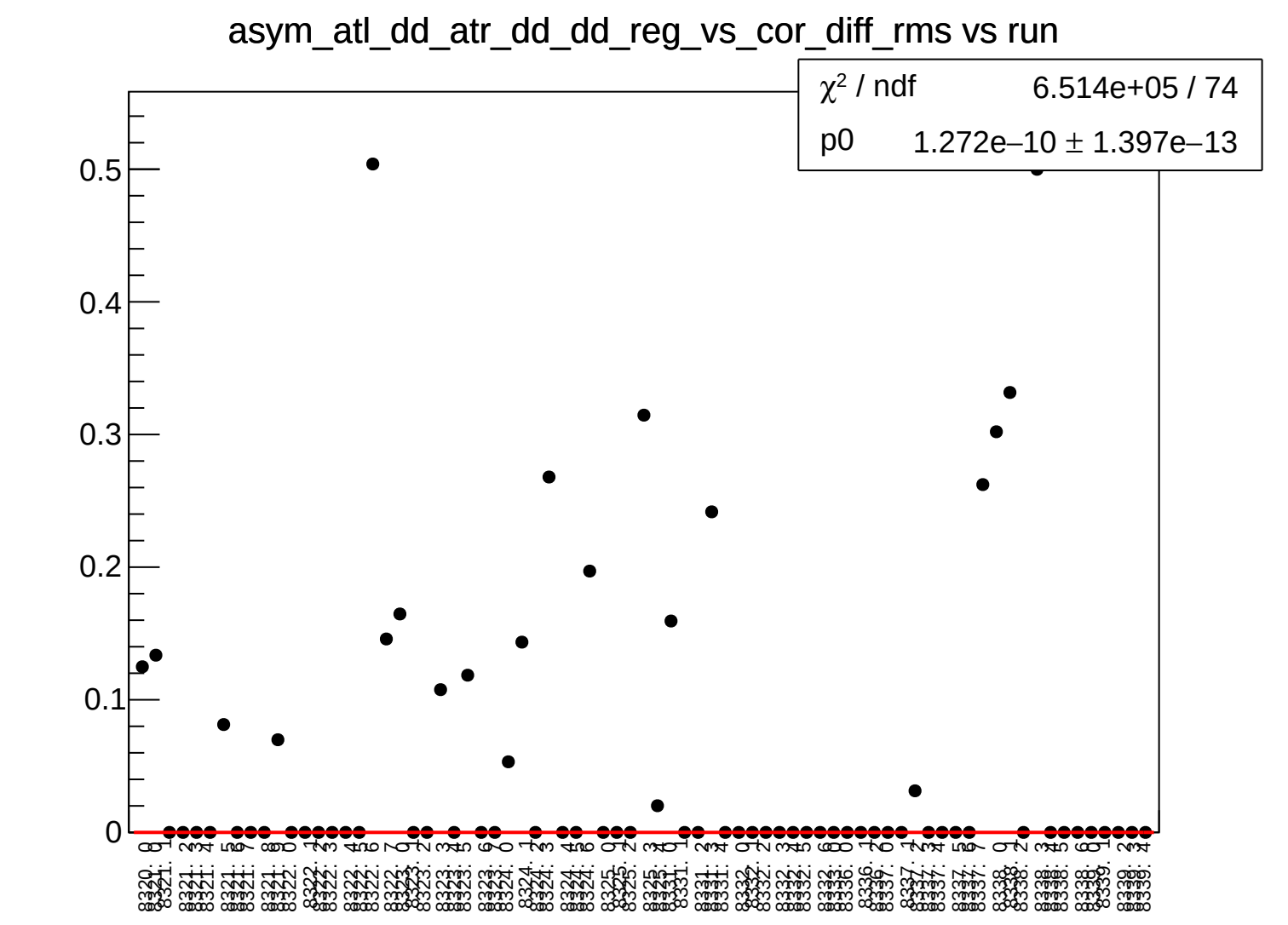

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 77.3 / 74
p0 −4650 ± 2056
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean 207.6
Std Dev 0
2
1
0
−1
−2
−3

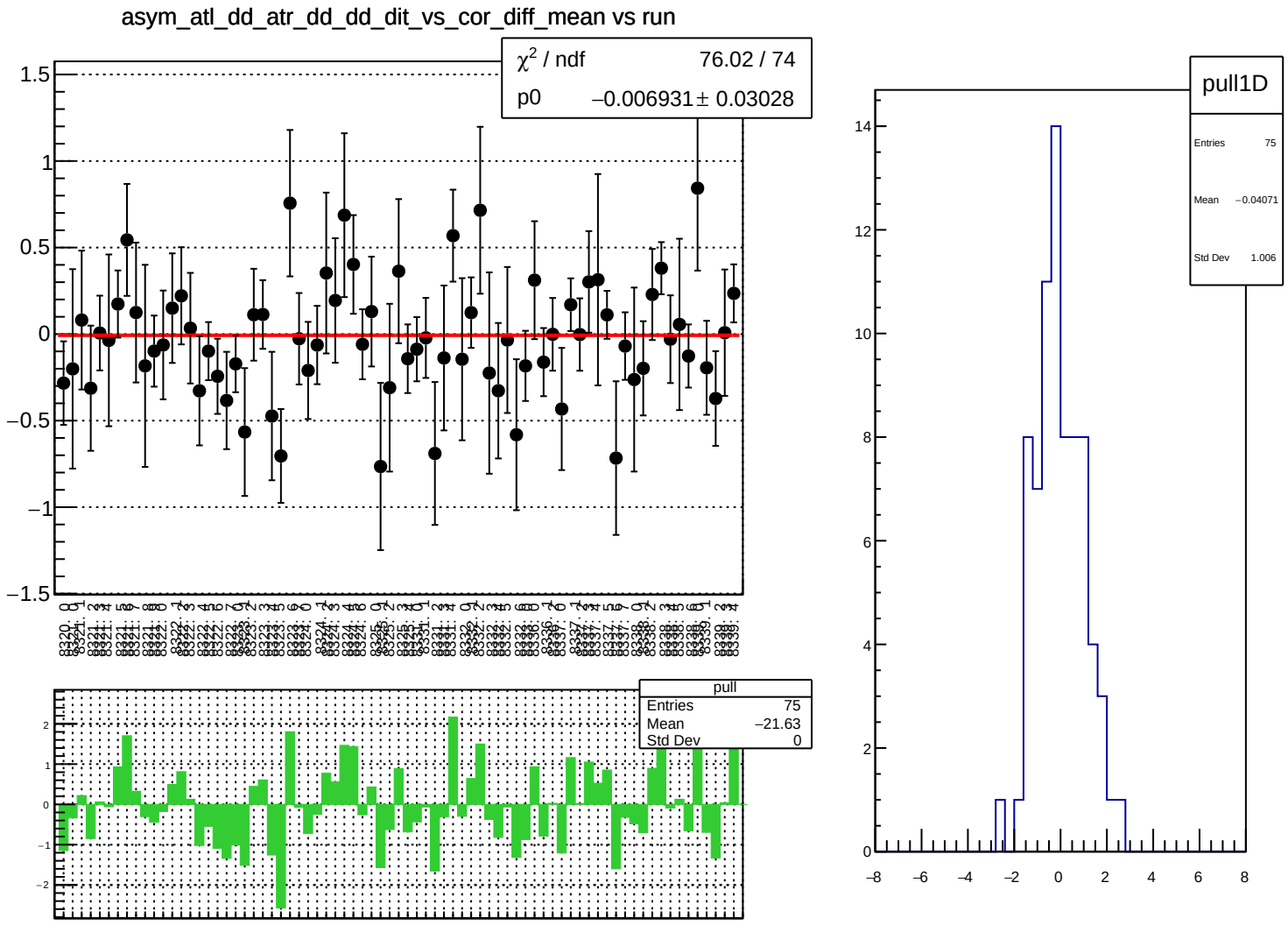

pull1D
Entries 75
Mean −0.007623
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

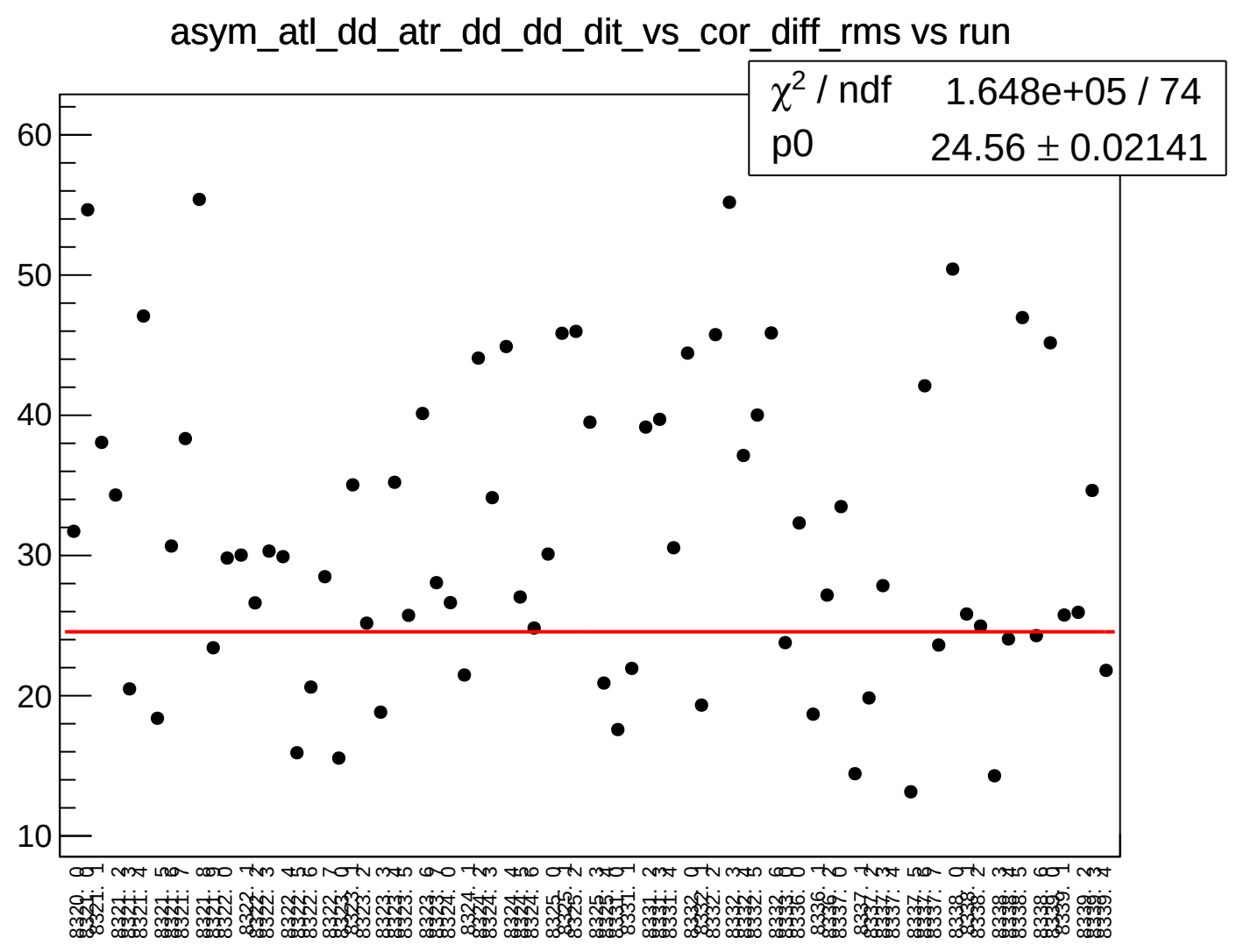

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 743.2 / 74
p0 1769 ± 1.454
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

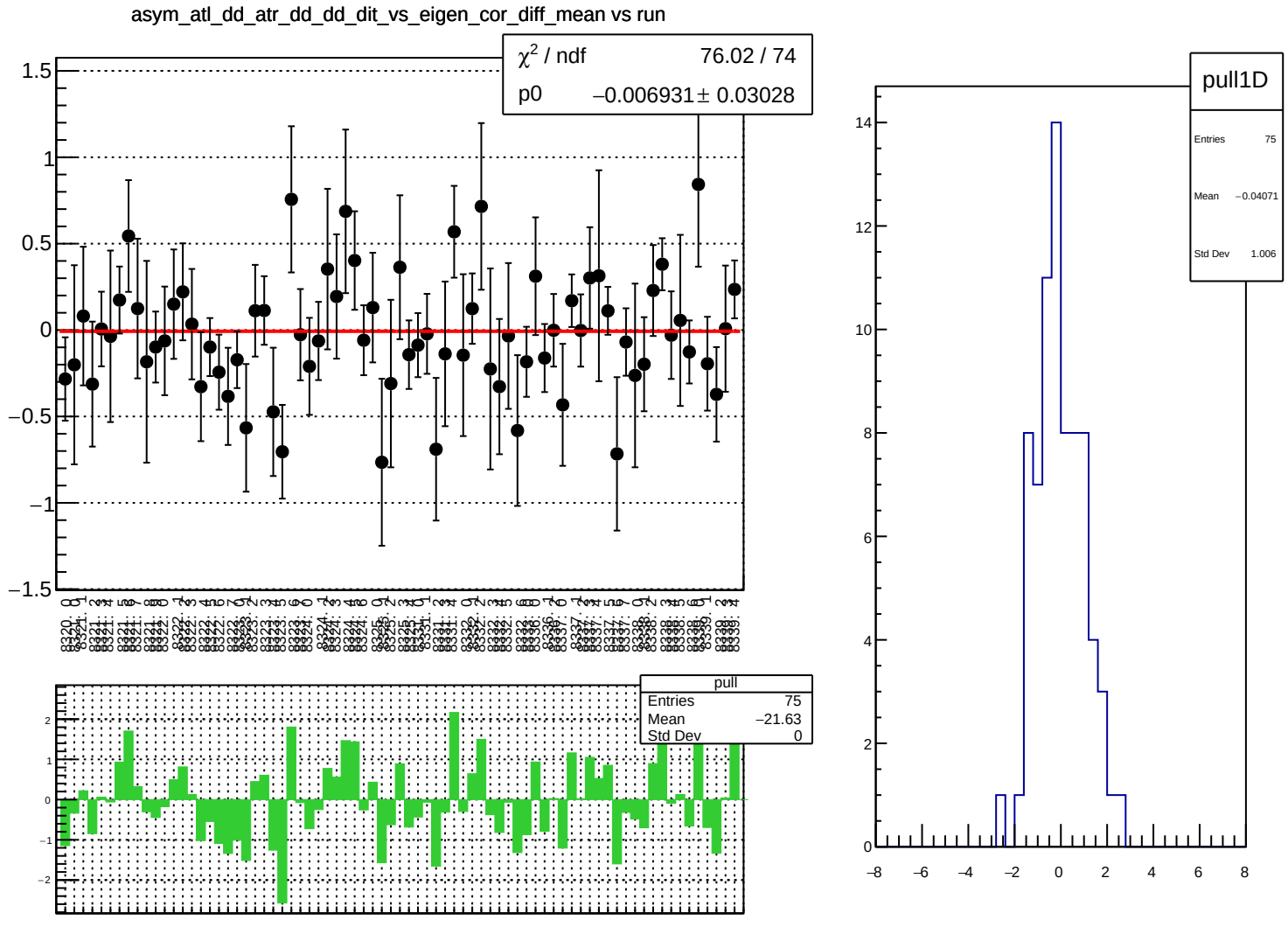

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 115.8 / 74
p0 −1.613e−13 ± 1.976e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 75
Mean 126.7
Std Dev 0
3
2
1
0
−1
−2
−3

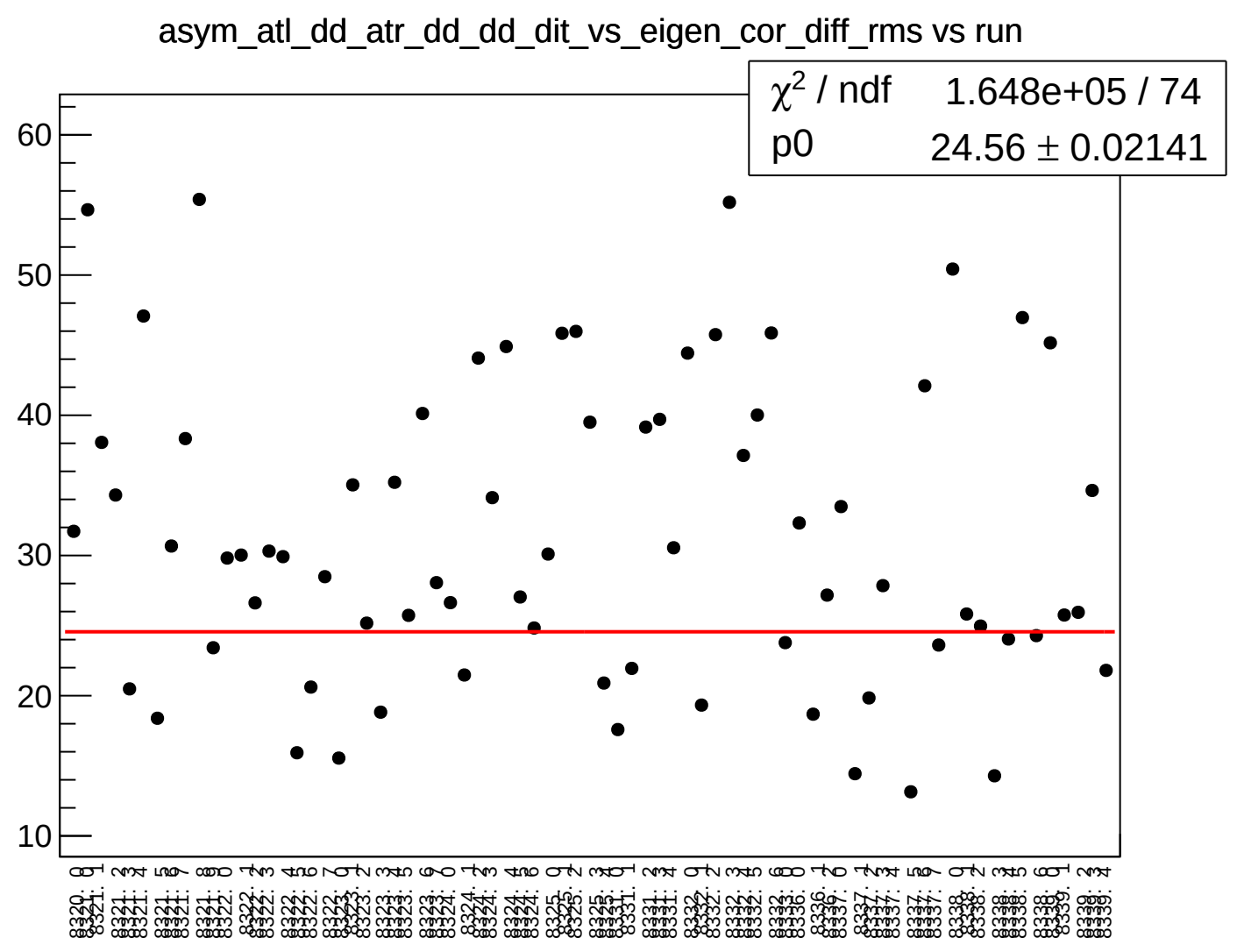

pull1D
Entries 75
Mean −0.07574
Std Dev 1.24
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

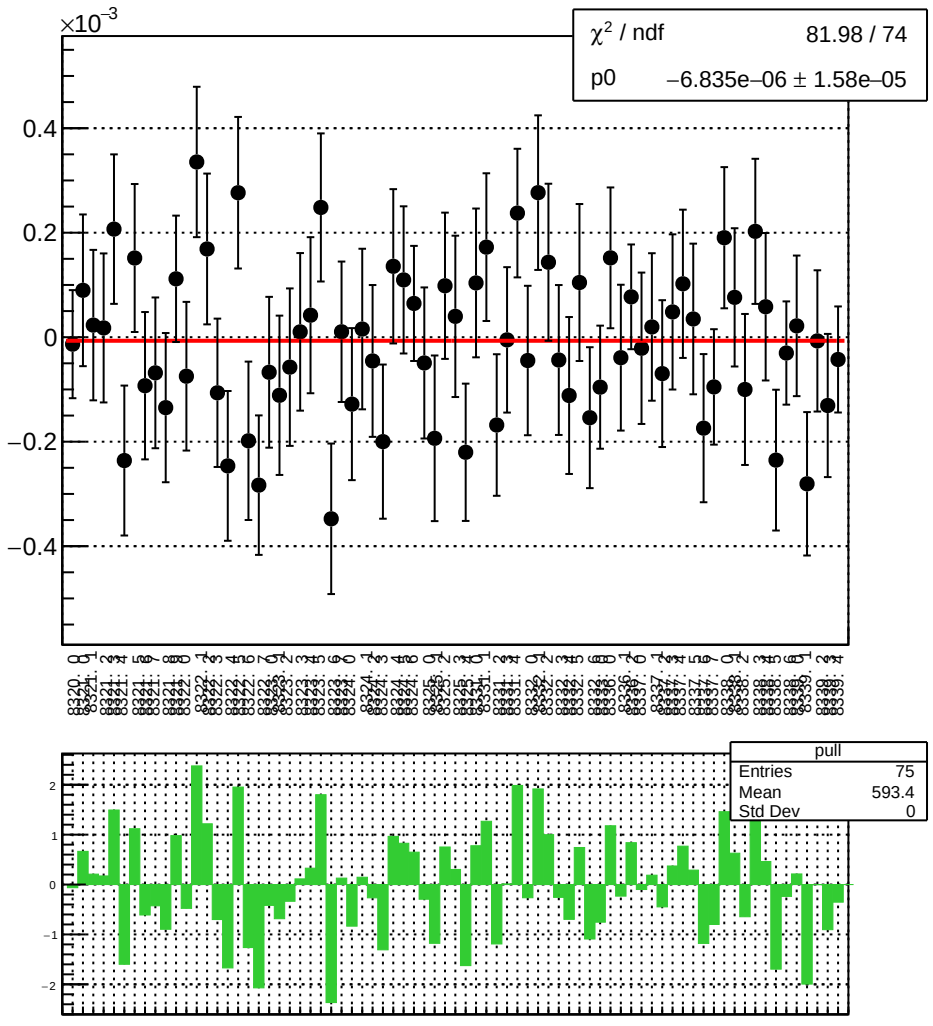

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.514e+05 / 74
p0 1.272e−10 ± 1.397e−13
0.5
0.4
0.3
0.2
0.1
0

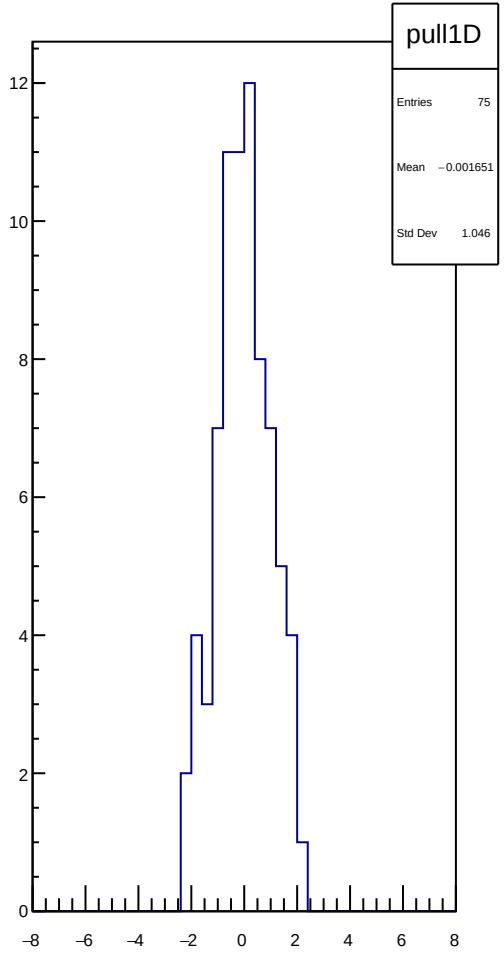

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.02 / 74
p0 −0.006931 ± 0.03028
pull
Entries 75
Mean −21.63
Std Dev 0
pull1D
Entries 75
Mean −0.04071
Std Dev 1.006

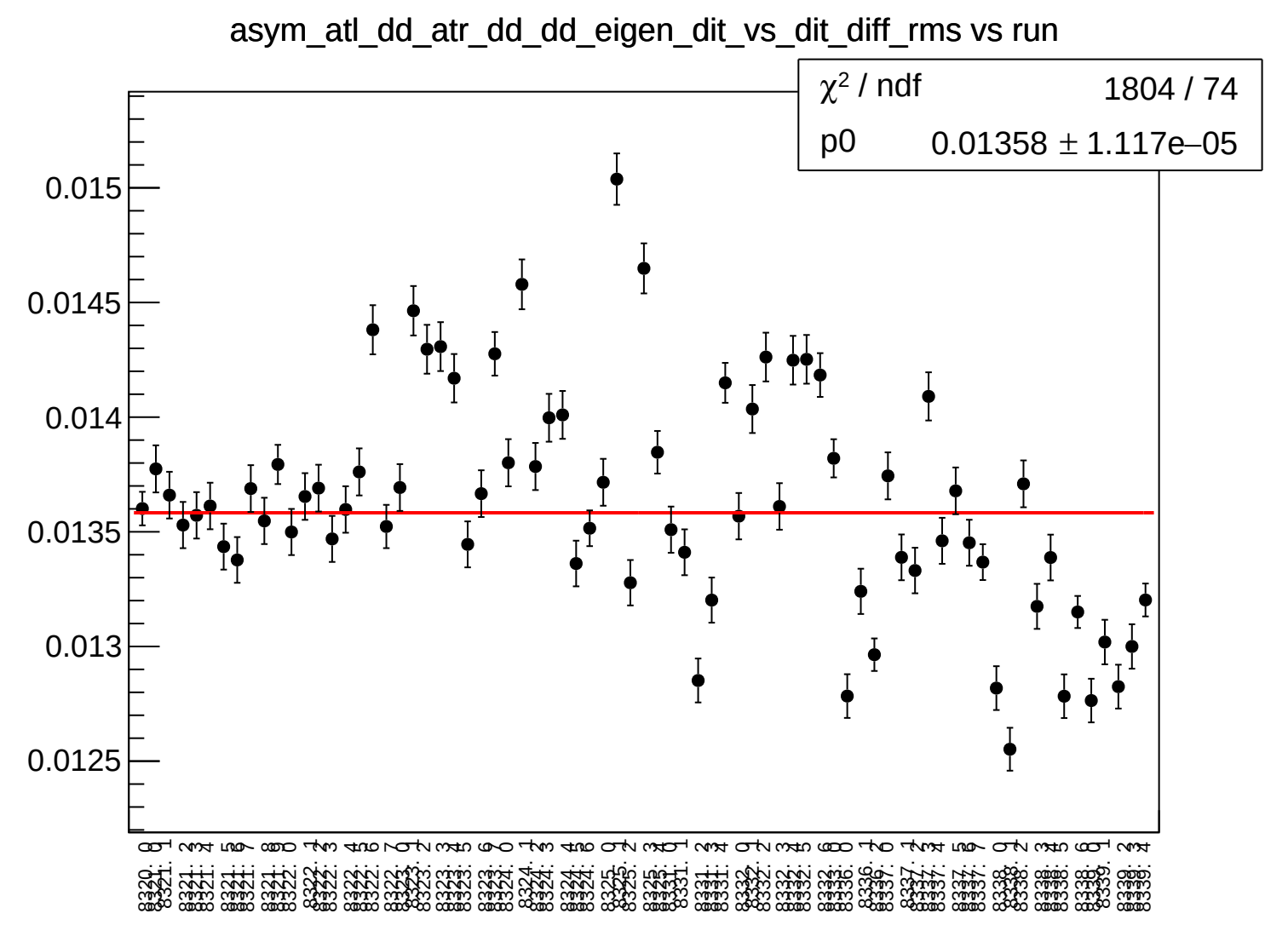

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

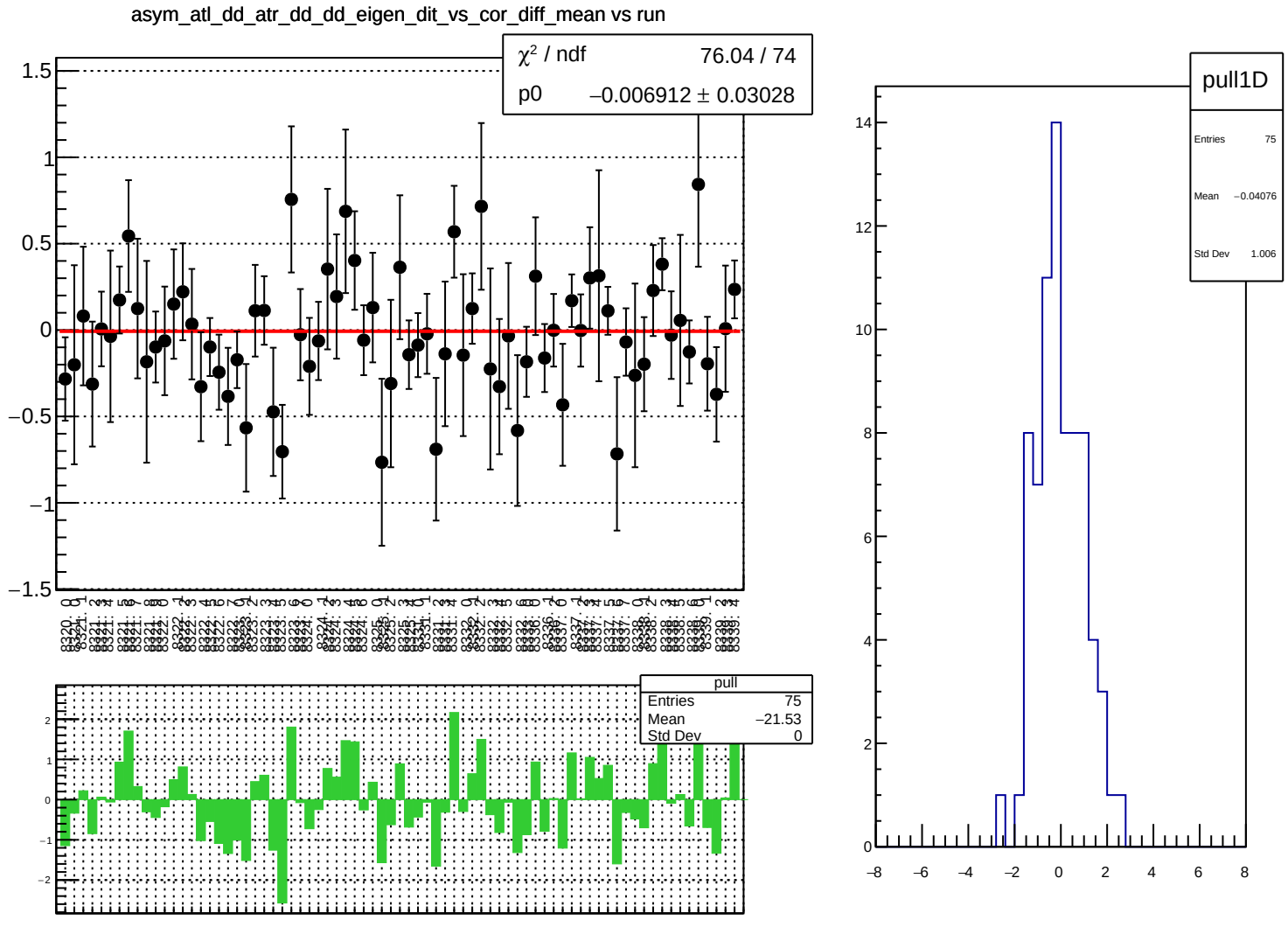

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.02 / 74
p0 −0.006931 ± 0.03028
pull
Entries 75
Mean −21.63
Std Dev 0
pull1D
Entries 75
Mean −0.04071
Std Dev 1.006

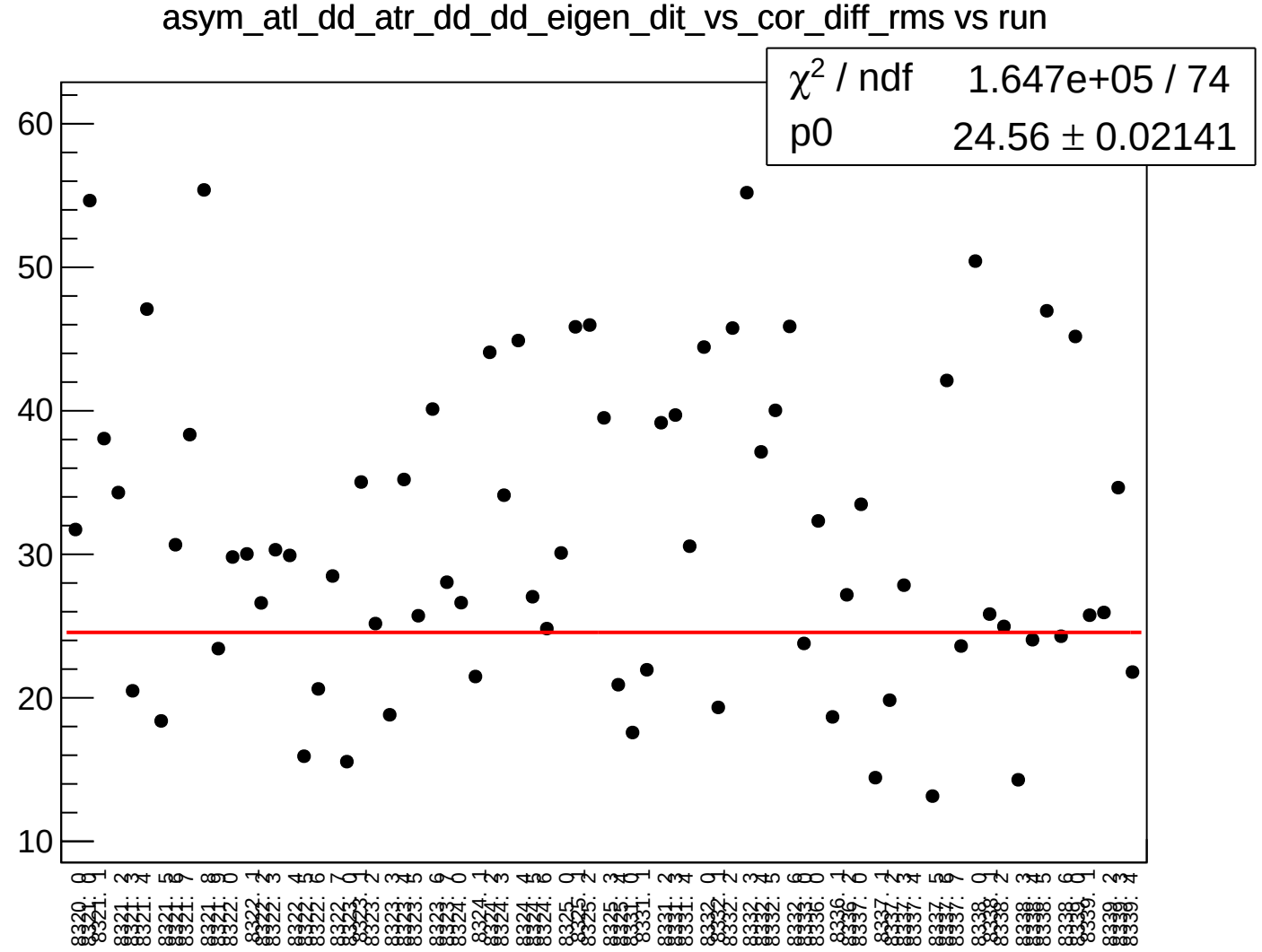

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

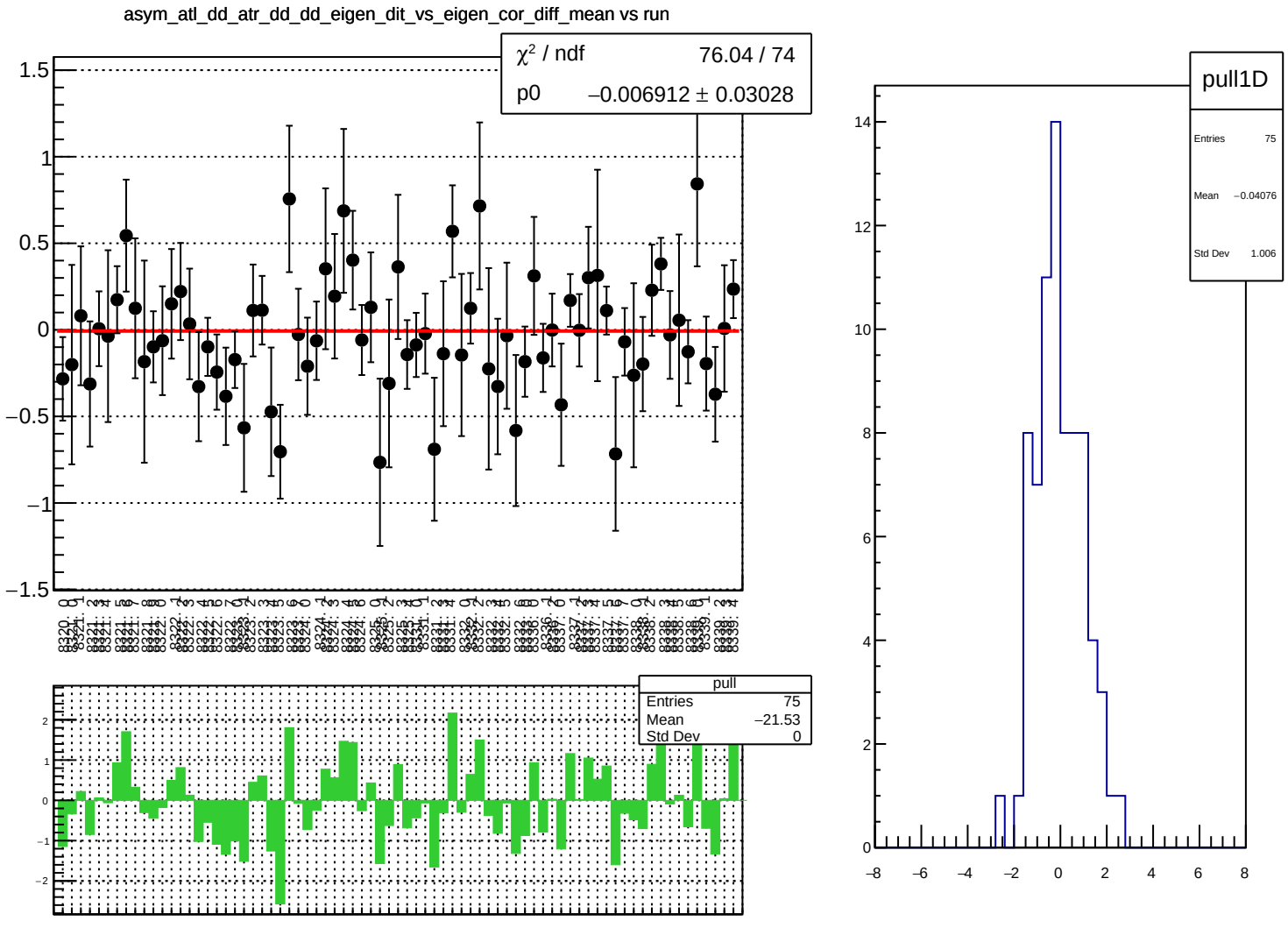

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.98 / 74
p0 −6.835e−06 ± 1.58e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 75
Mean 593.4
Std Dev 0
2
1
0
−1
−2

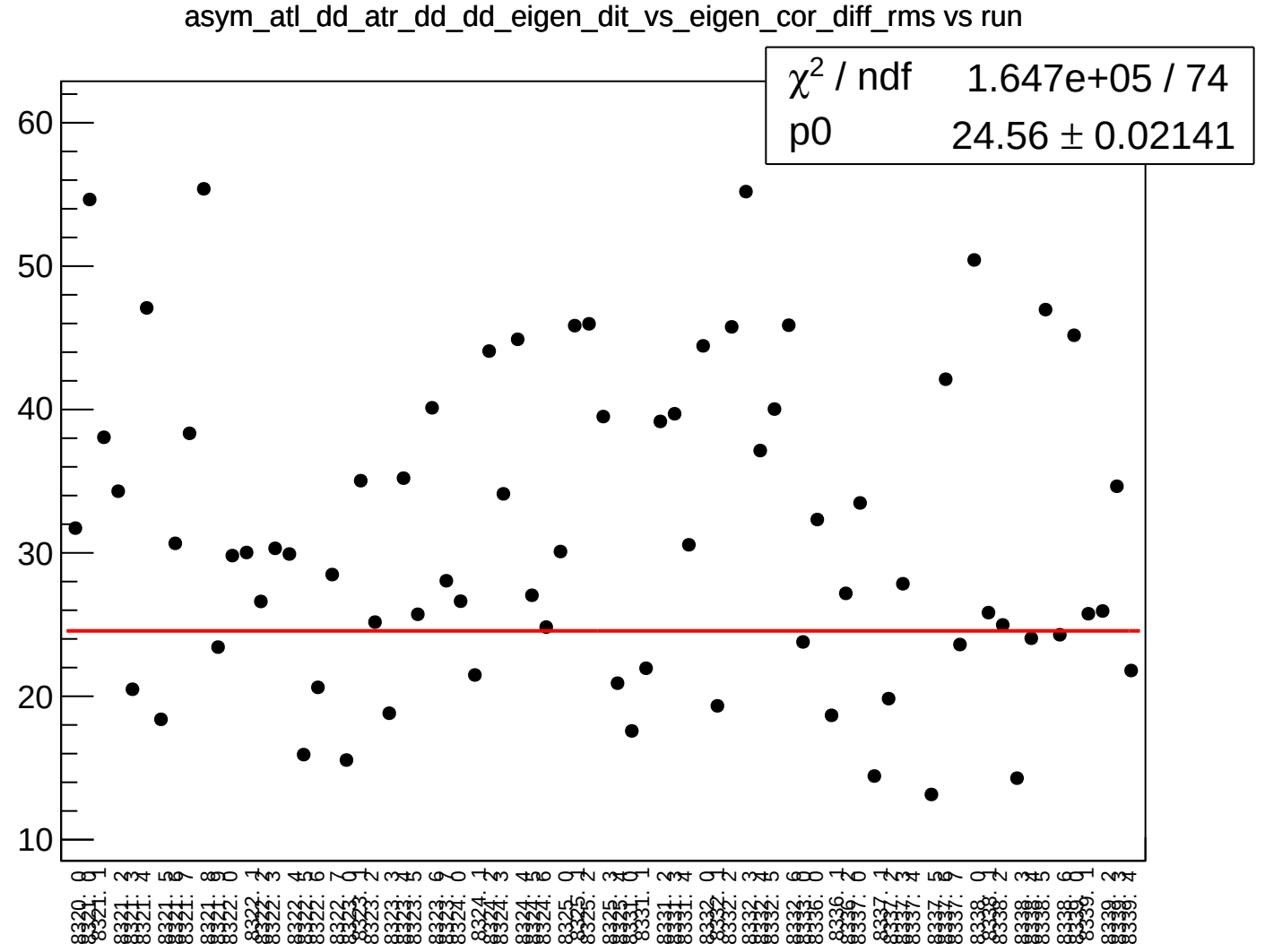

pull1D
Entries 75
Mean −0.001651
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

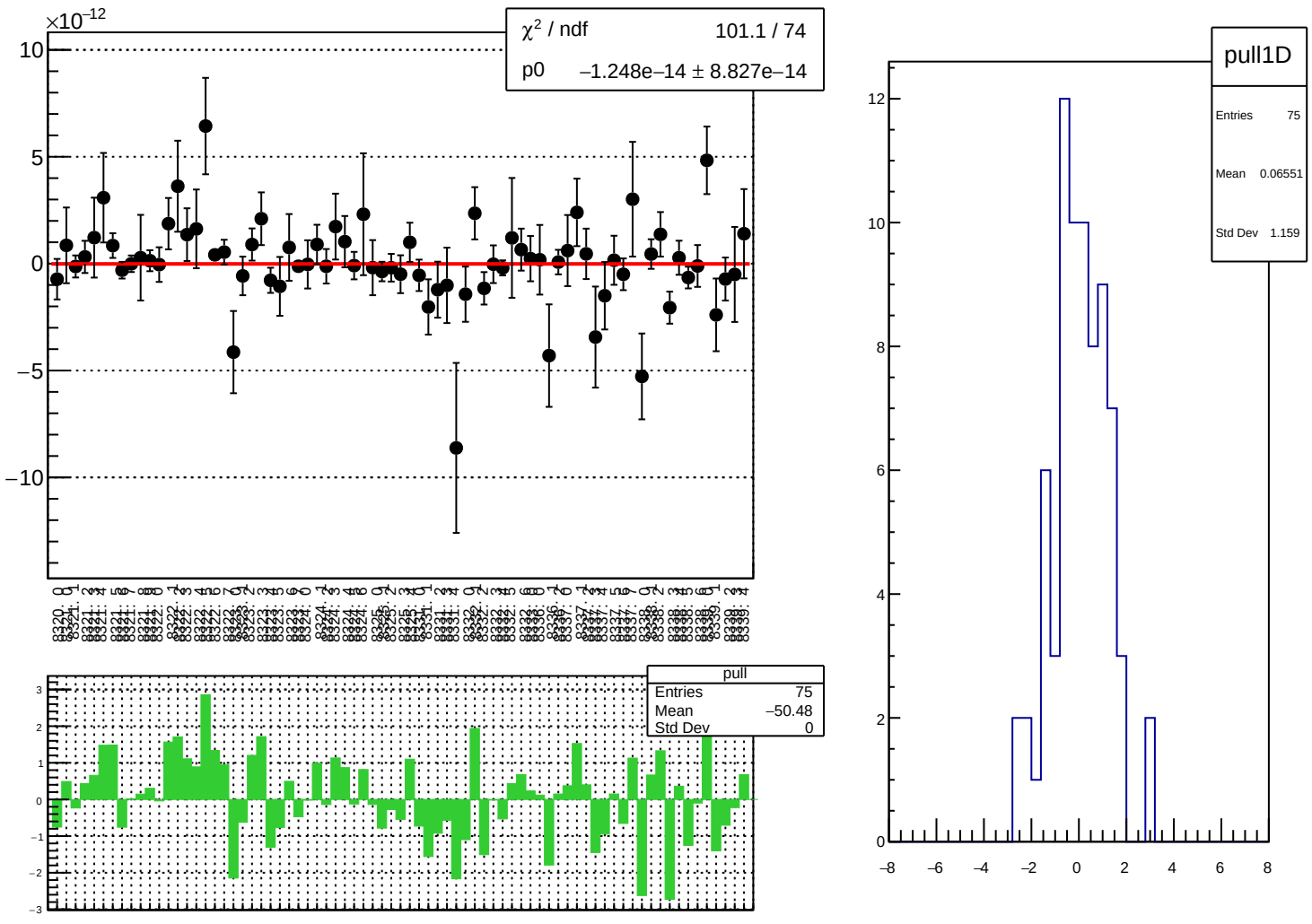

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1804 / 74
p0 0.01358 ± 1.117e–05
0.015
0.0145
0.014
0.0135
0.013
0.0125

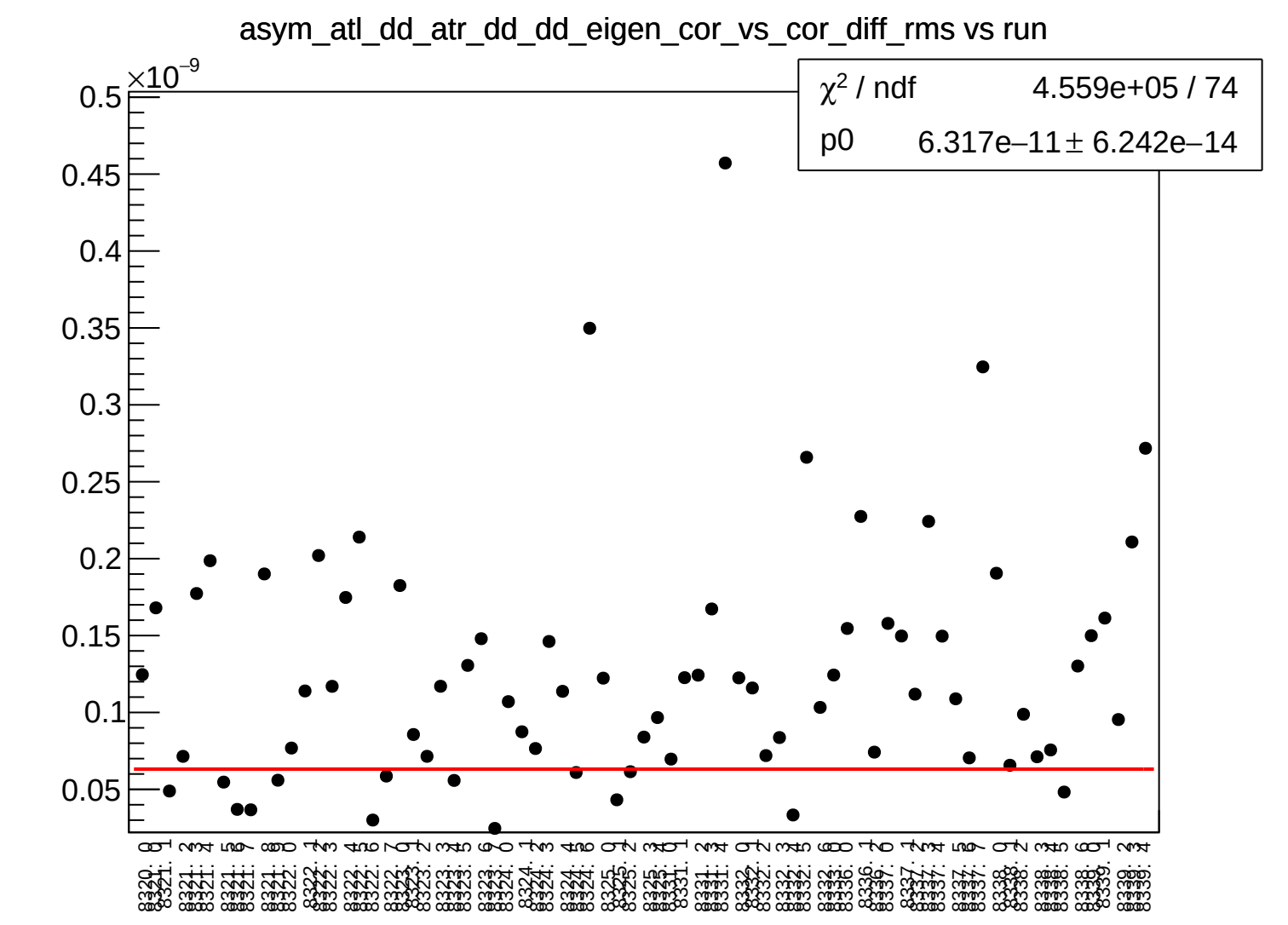

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.04 / 74
p0 −0.006912 ± 0.03028
pull
Entries 75
Mean −21.53
Std Dev 0
pull1D
Entries 75
Mean −0.04076
Std Dev 1.006

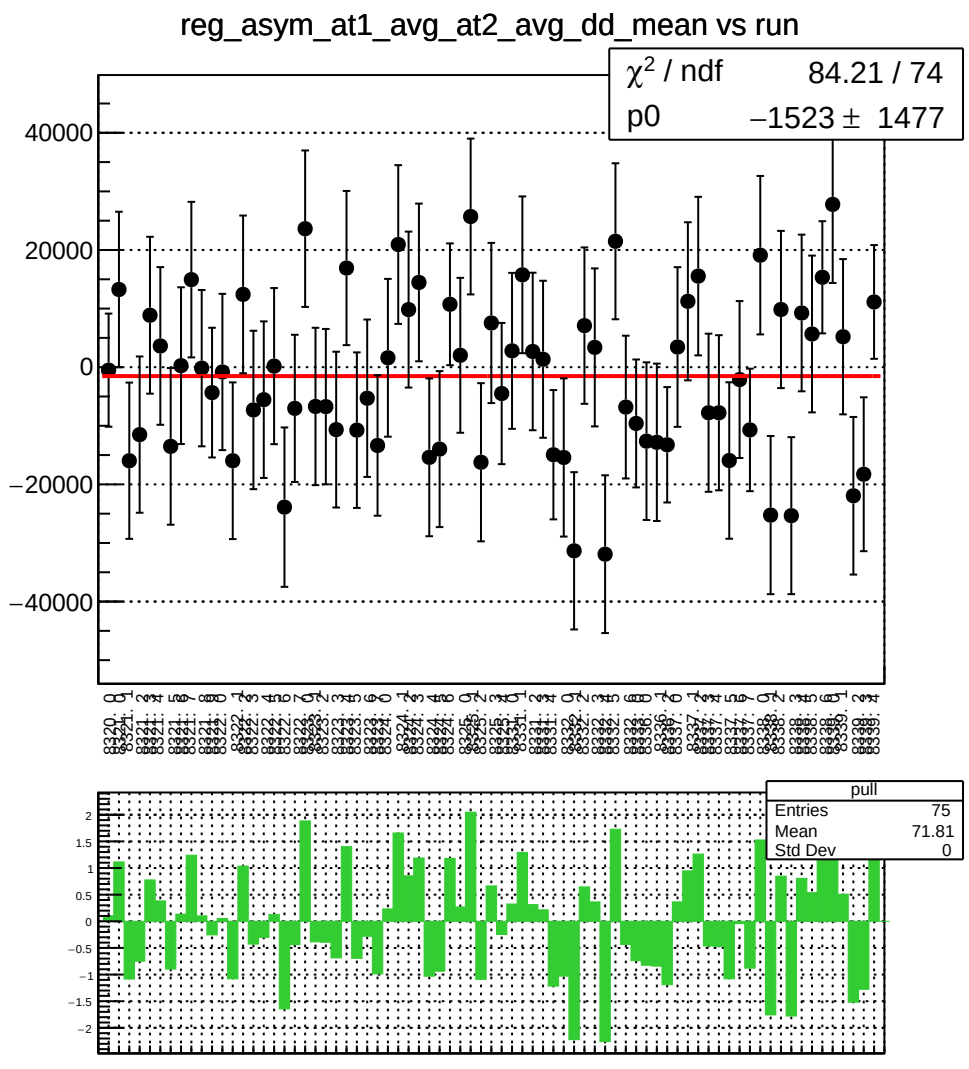

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.647e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

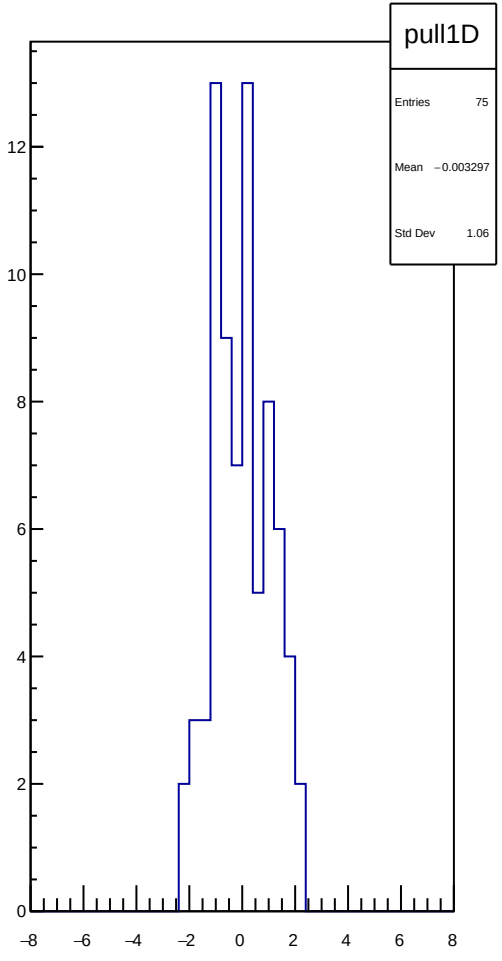

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.04 / 74
p0 −0.006912 ± 0.03028
pull
Entries 75
Mean −21.53
Std Dev 0
pull1D
Entries 75
Mean −0.04076
Std Dev 1.006

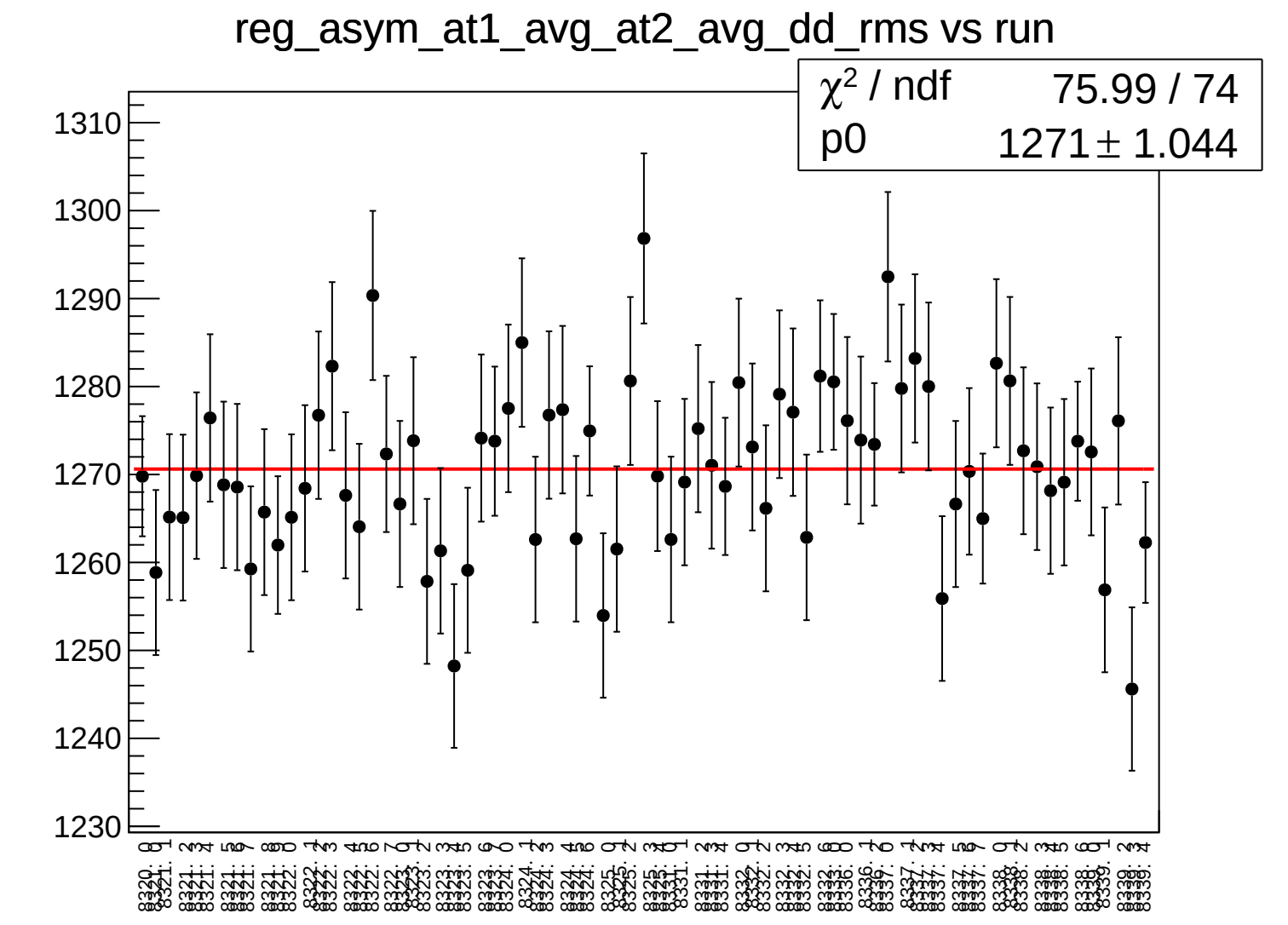

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.647e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

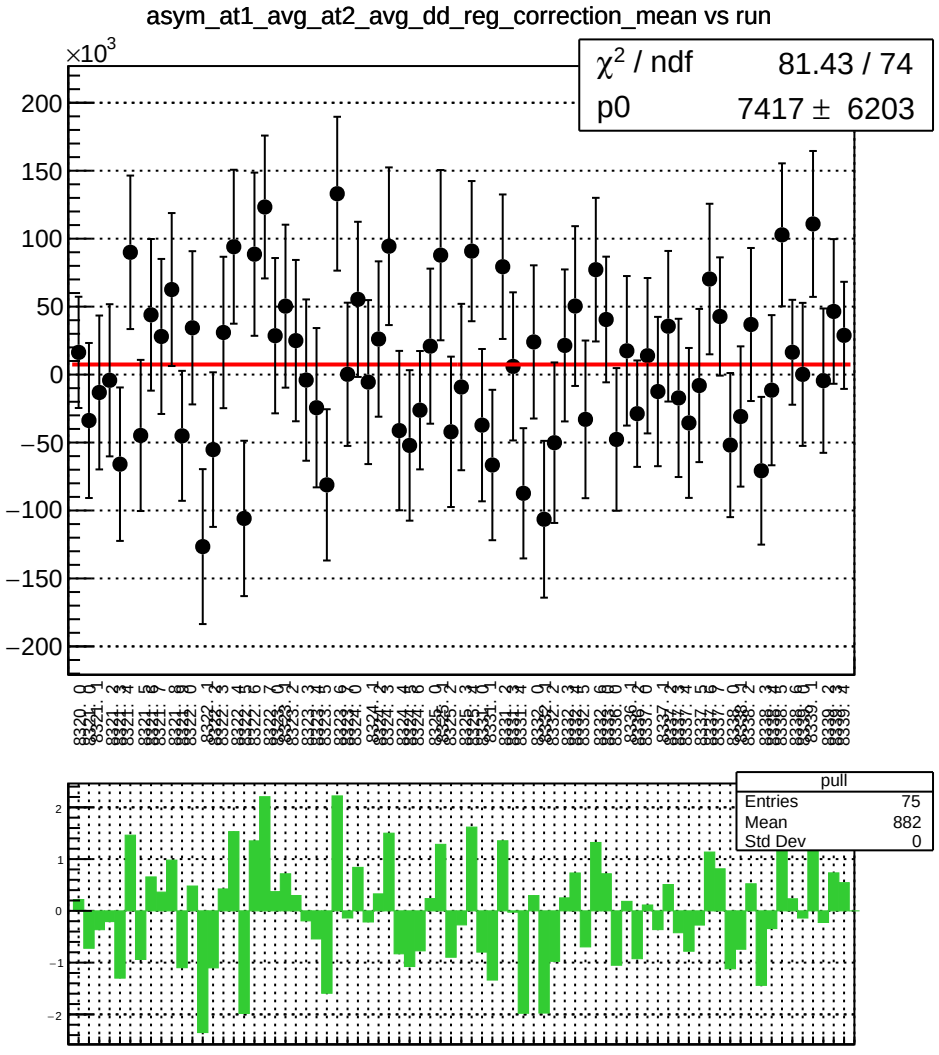

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 101.1 / 74
p0 −1.248e−14 ± 8.827e−14
pull
Entries 75
Mean −50.48
Std Dev 0
pull1D
Entries 75
Mean 0.06551
Std Dev 1.159

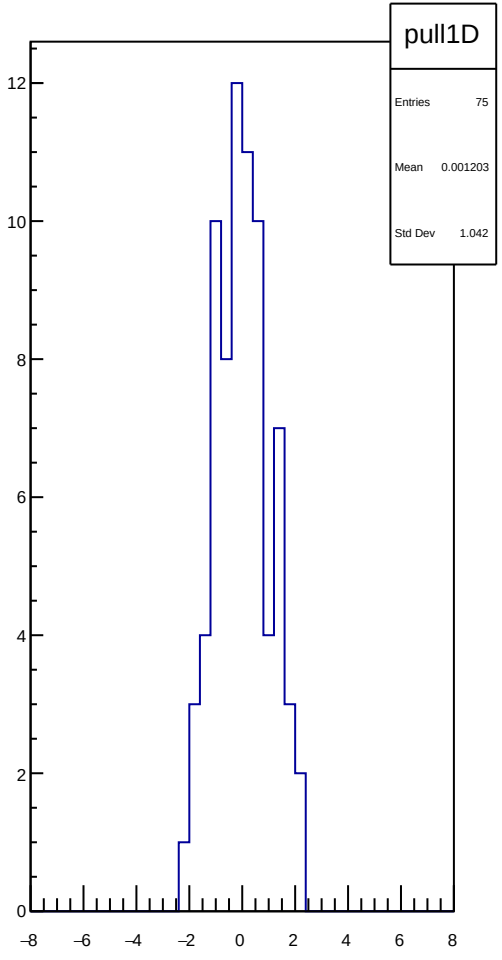

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.559e+05 / 74
p0 6.317e−11 ± 6.242e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

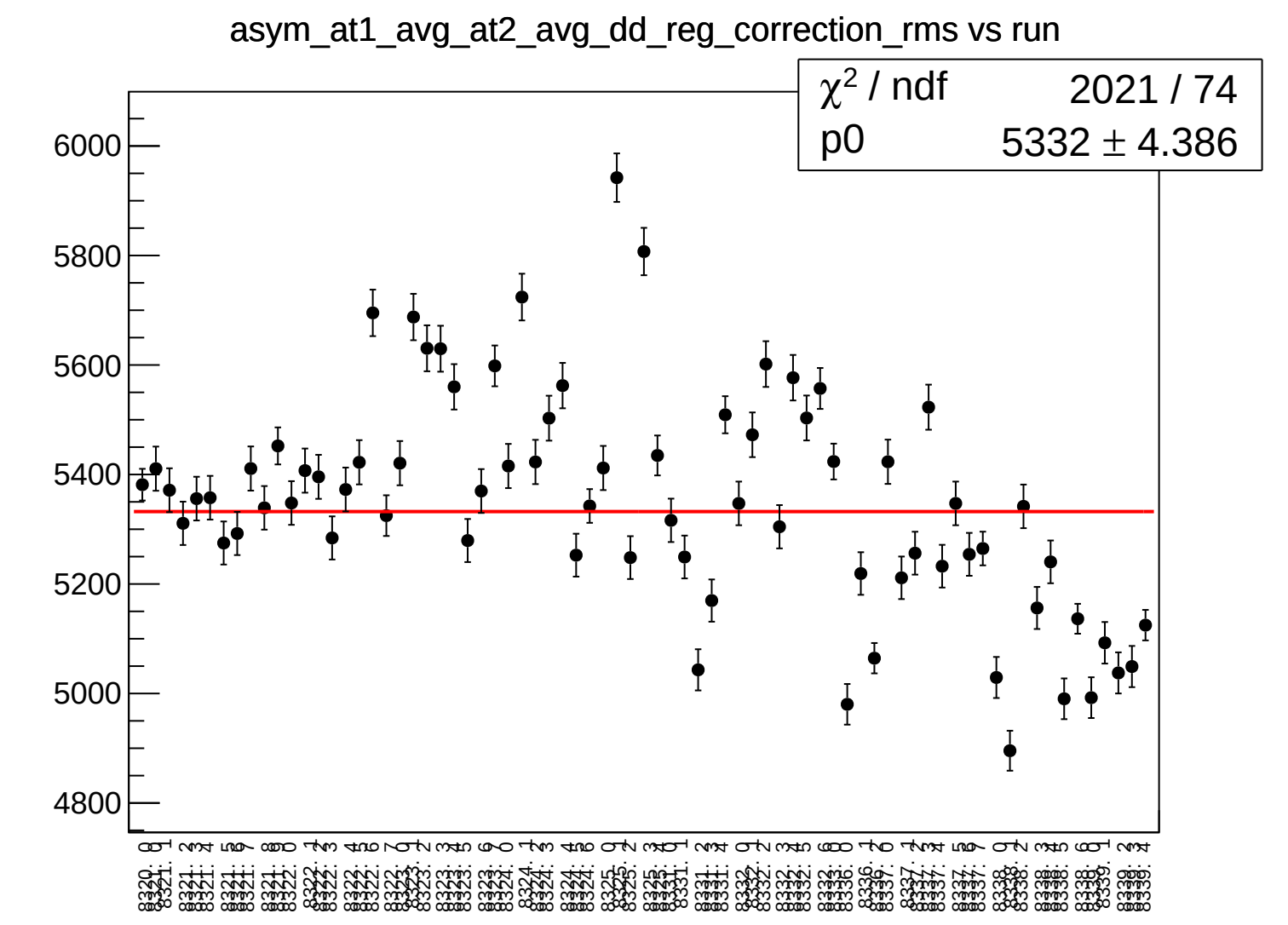

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 84.21 / 74
p0 −1523 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

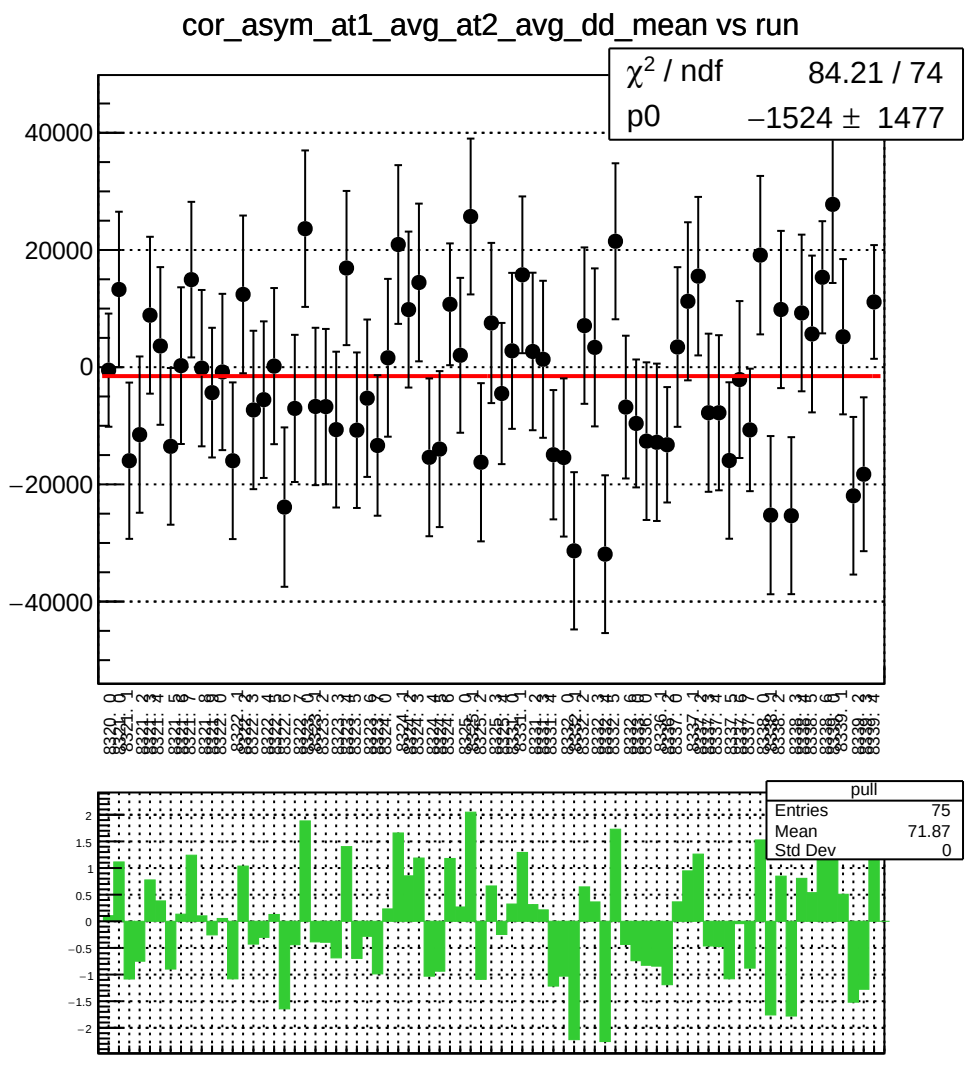

pull1D
Entries 75
Mean −0.003297
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

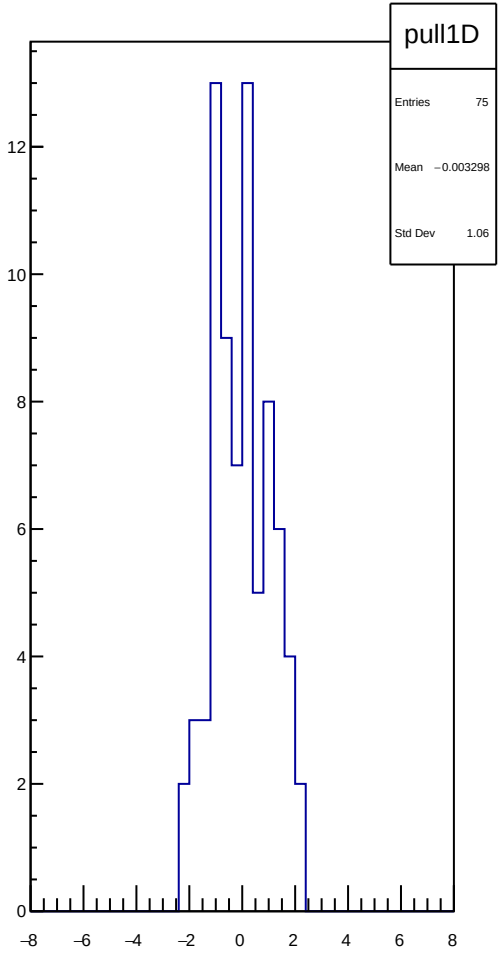

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

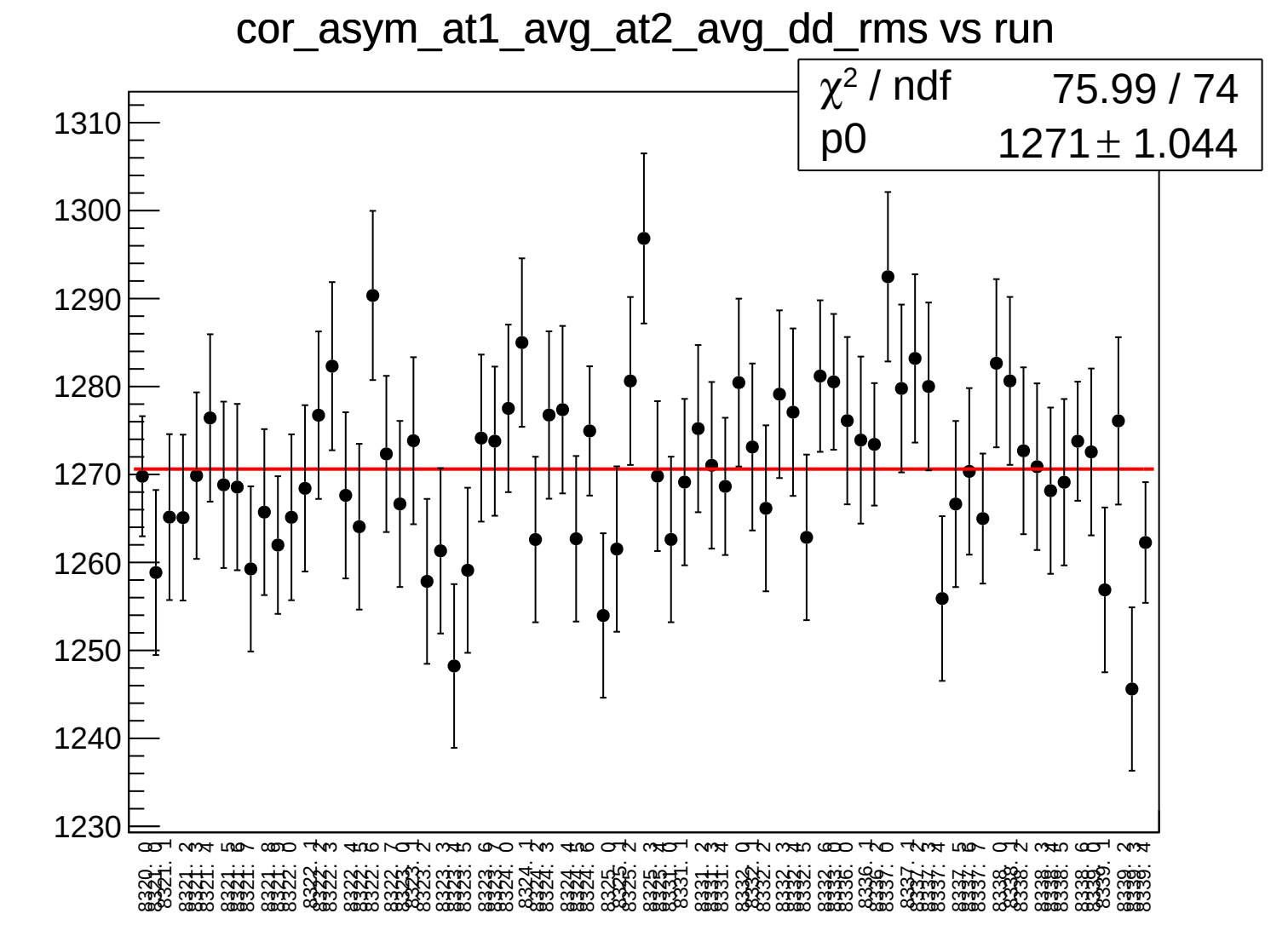

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 882
Std Dev 0

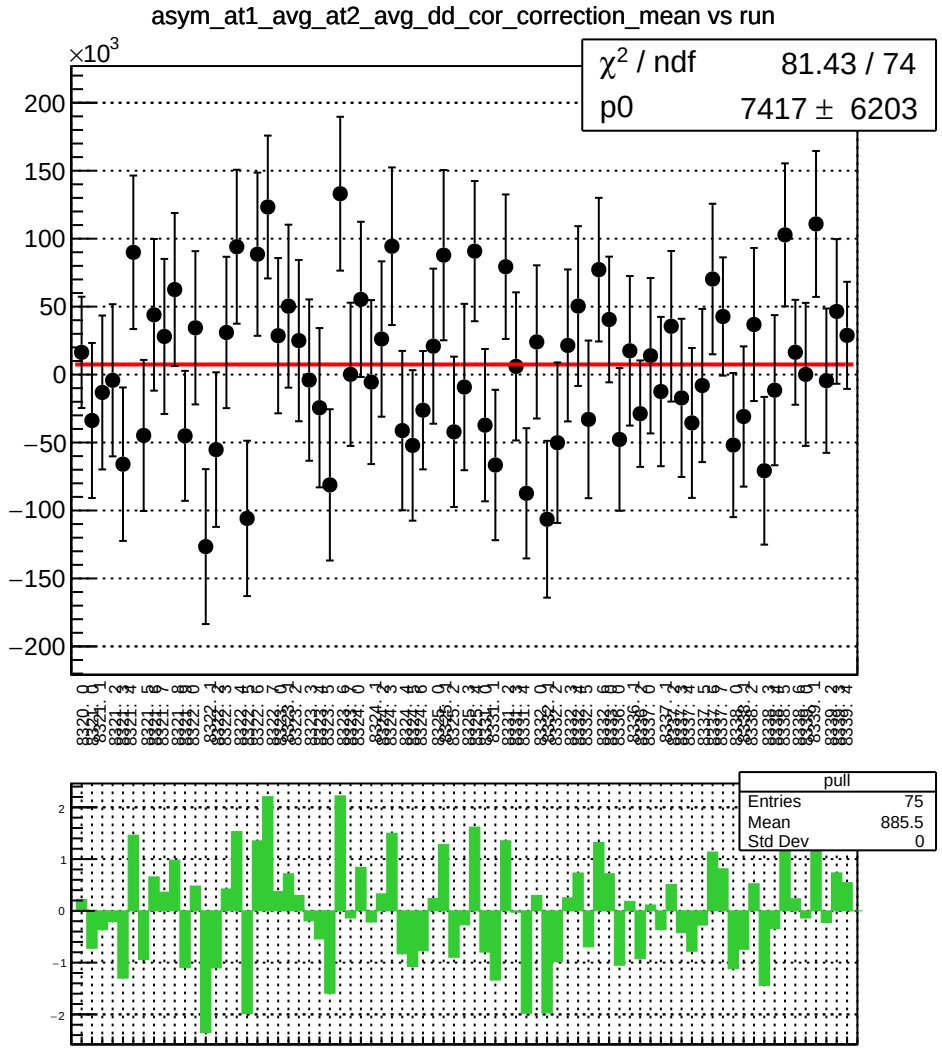

pull1D
Entries 75
Mean 0.001203
Std Dev 1.042

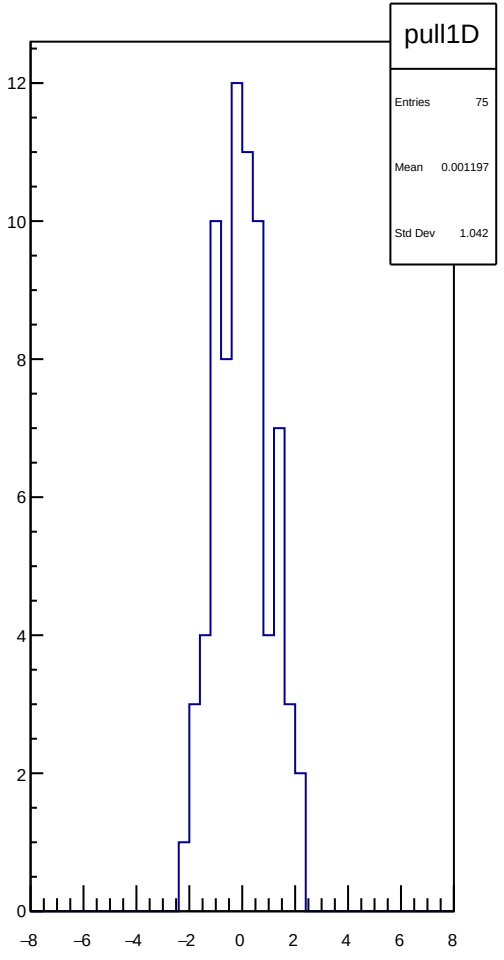

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

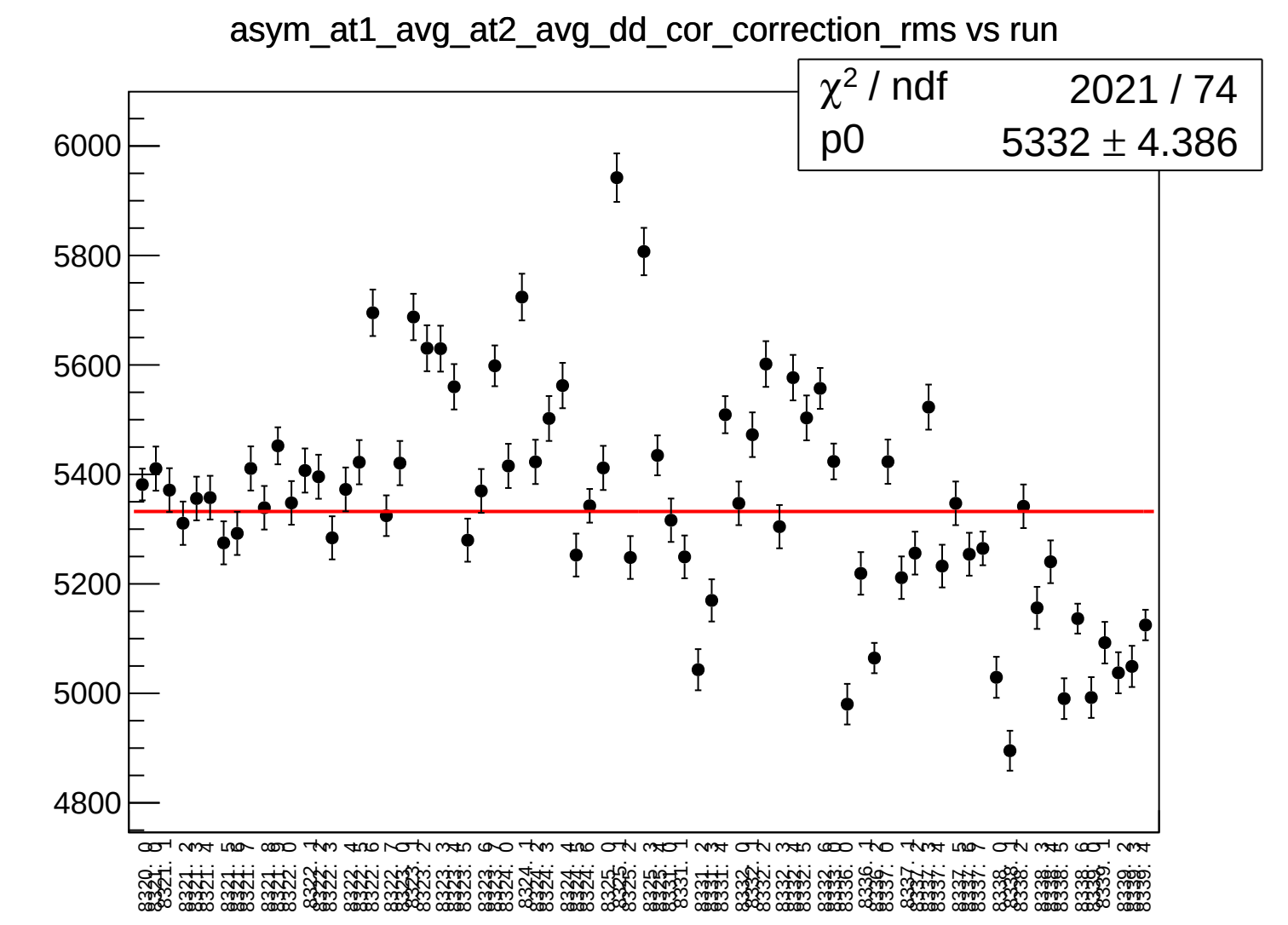

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 84.21 / 74
p0 −1524 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

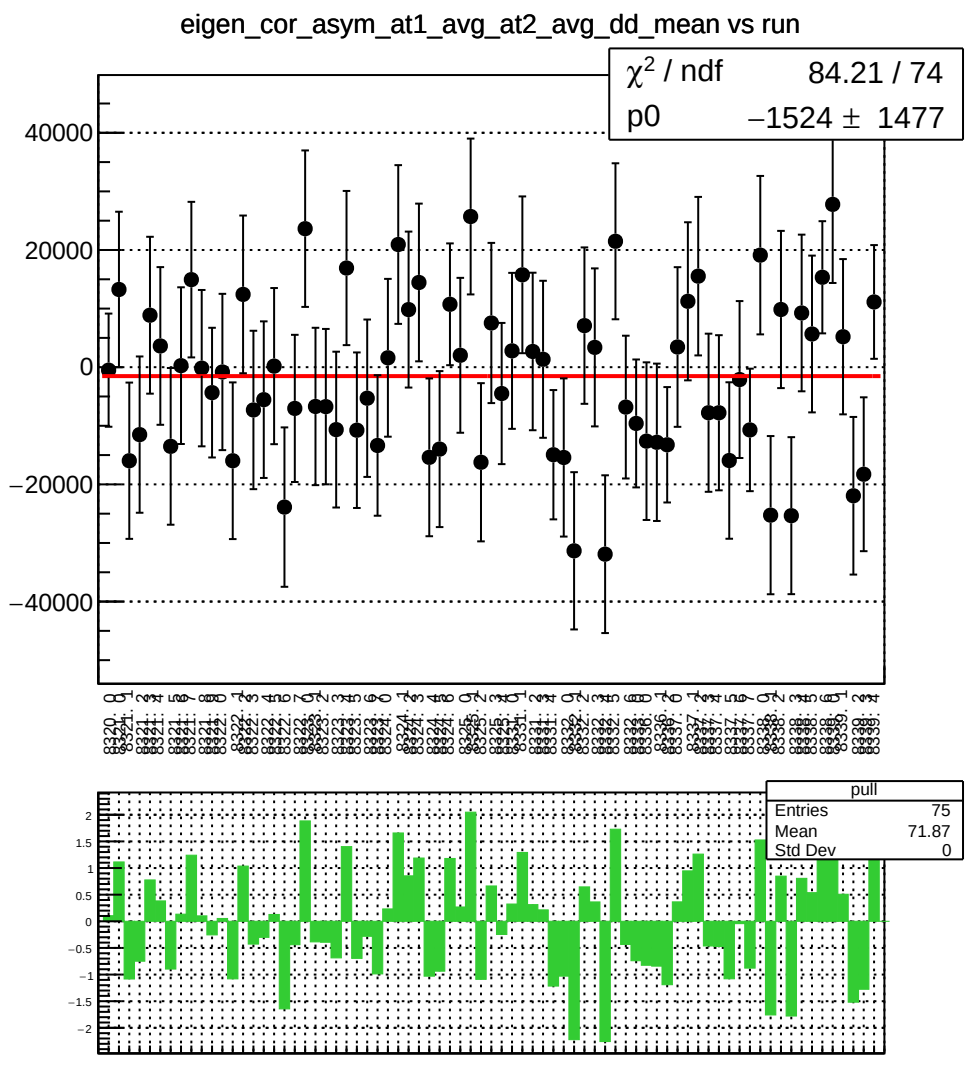

pull1D
Entries 75
Mean −0.003298
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

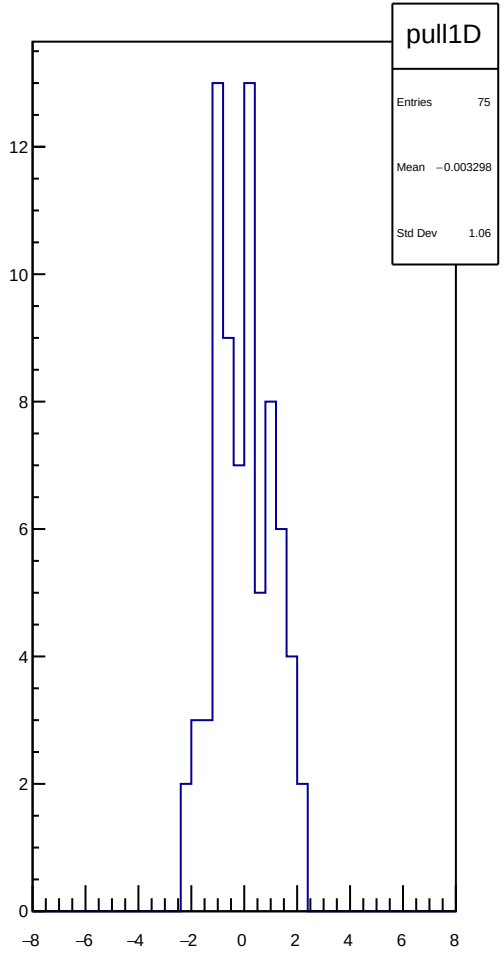

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230


asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 885.5
Std Dev 0


pull1D
Entries 75
Mean 0.001197
Std Dev 1.042


asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800


eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 84.21 / 74
p0 −1524 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 75
Mean −0.003298
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
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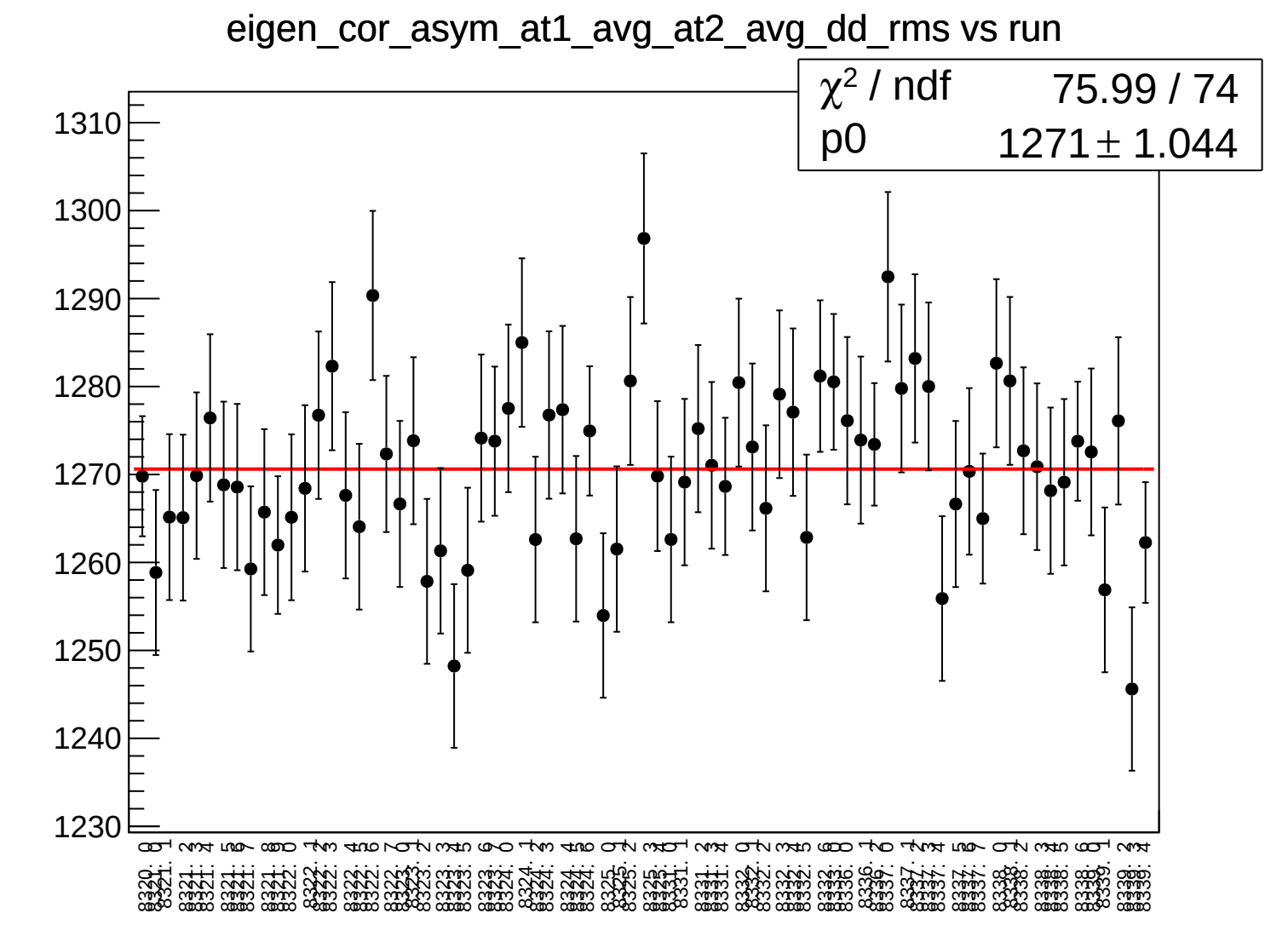
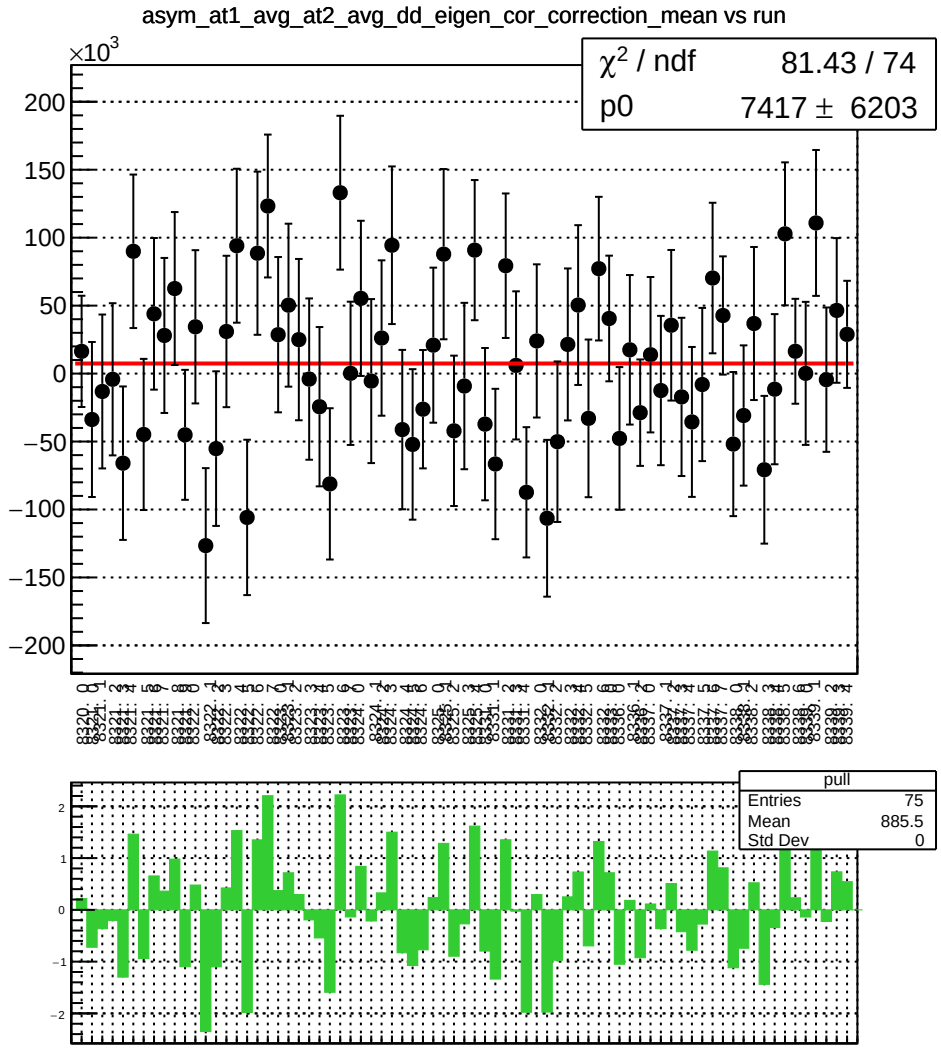
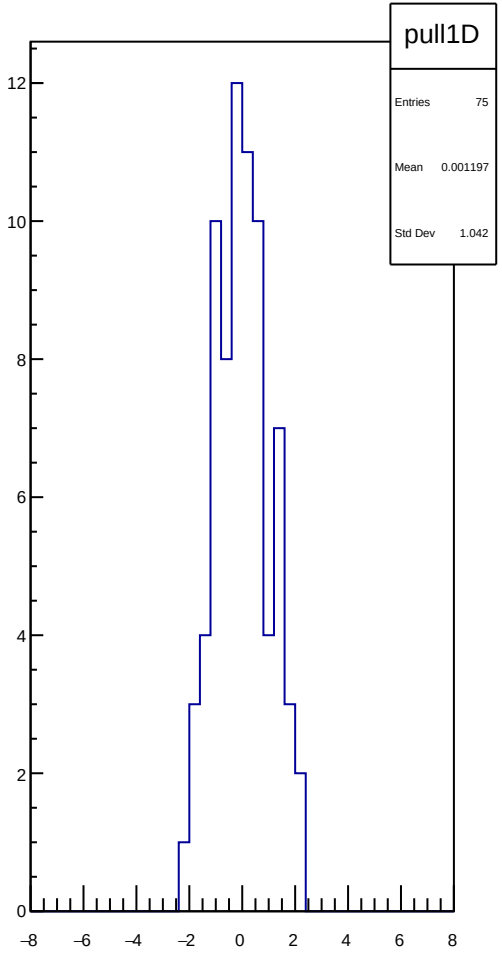
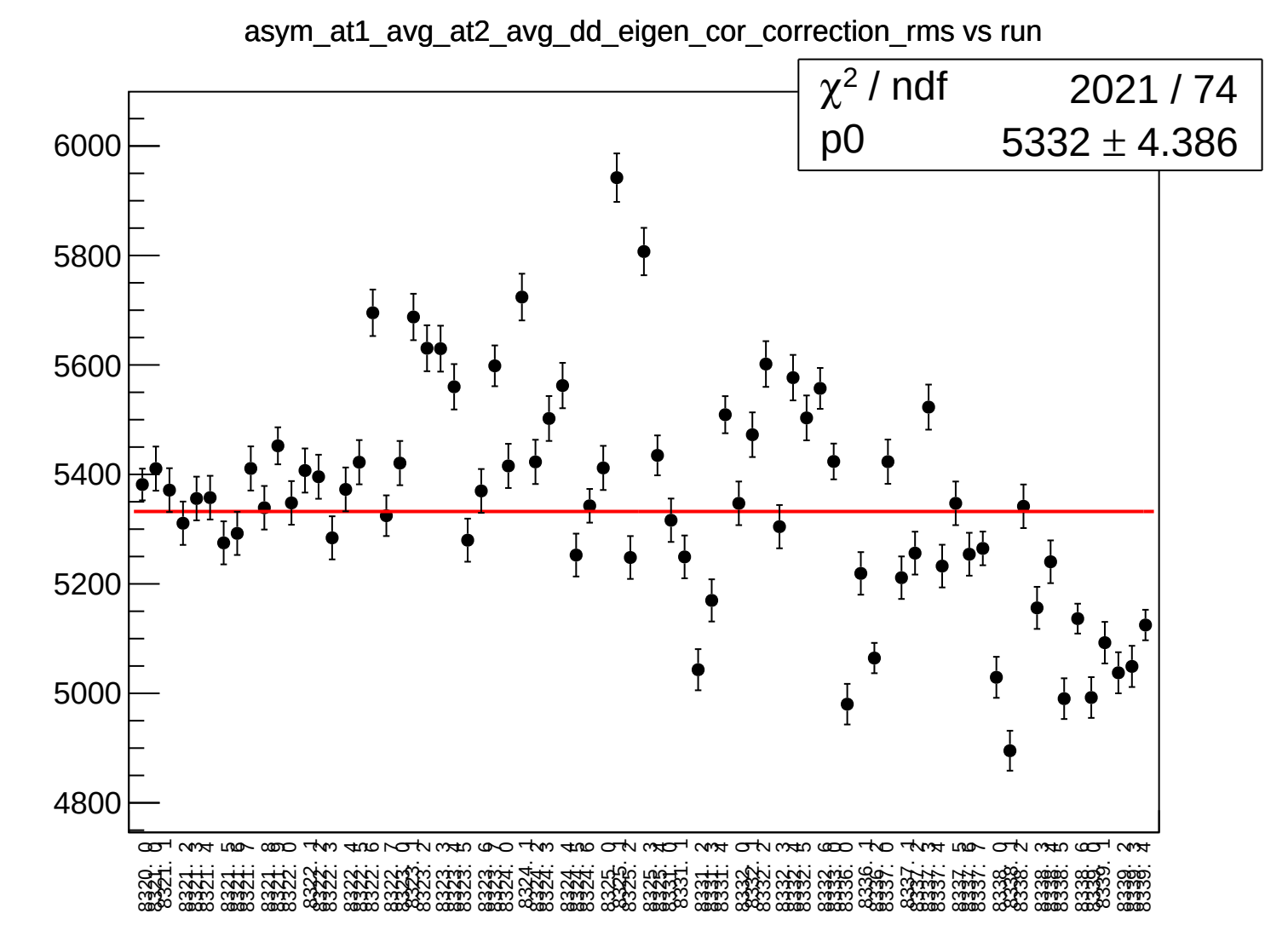
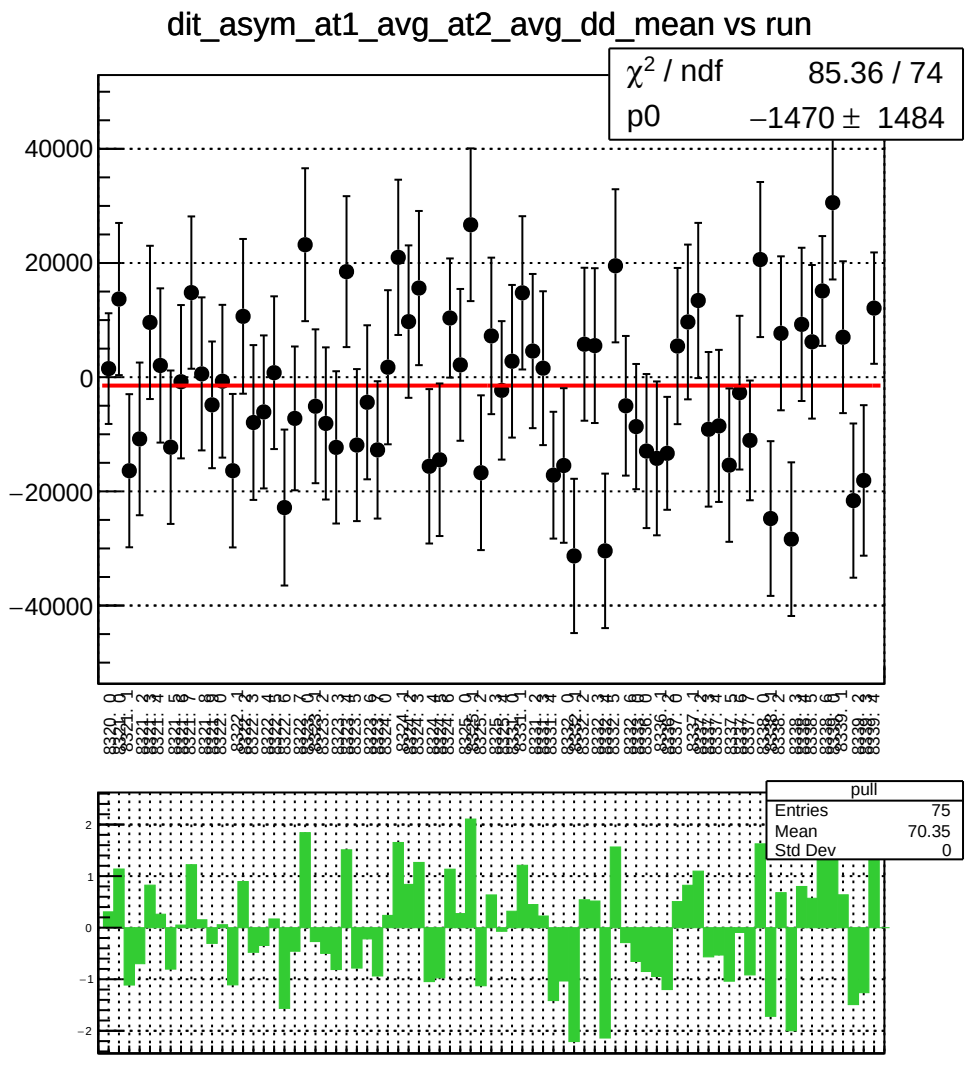
0
2
4
6
8

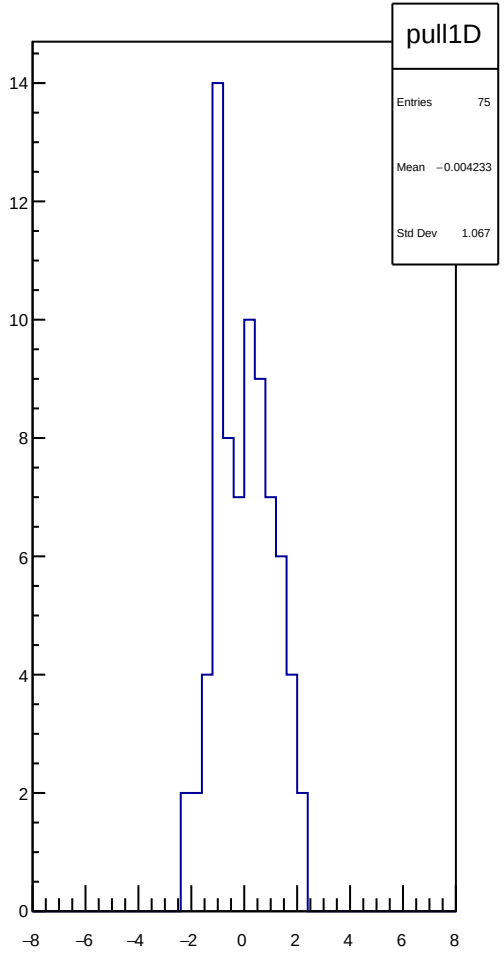

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

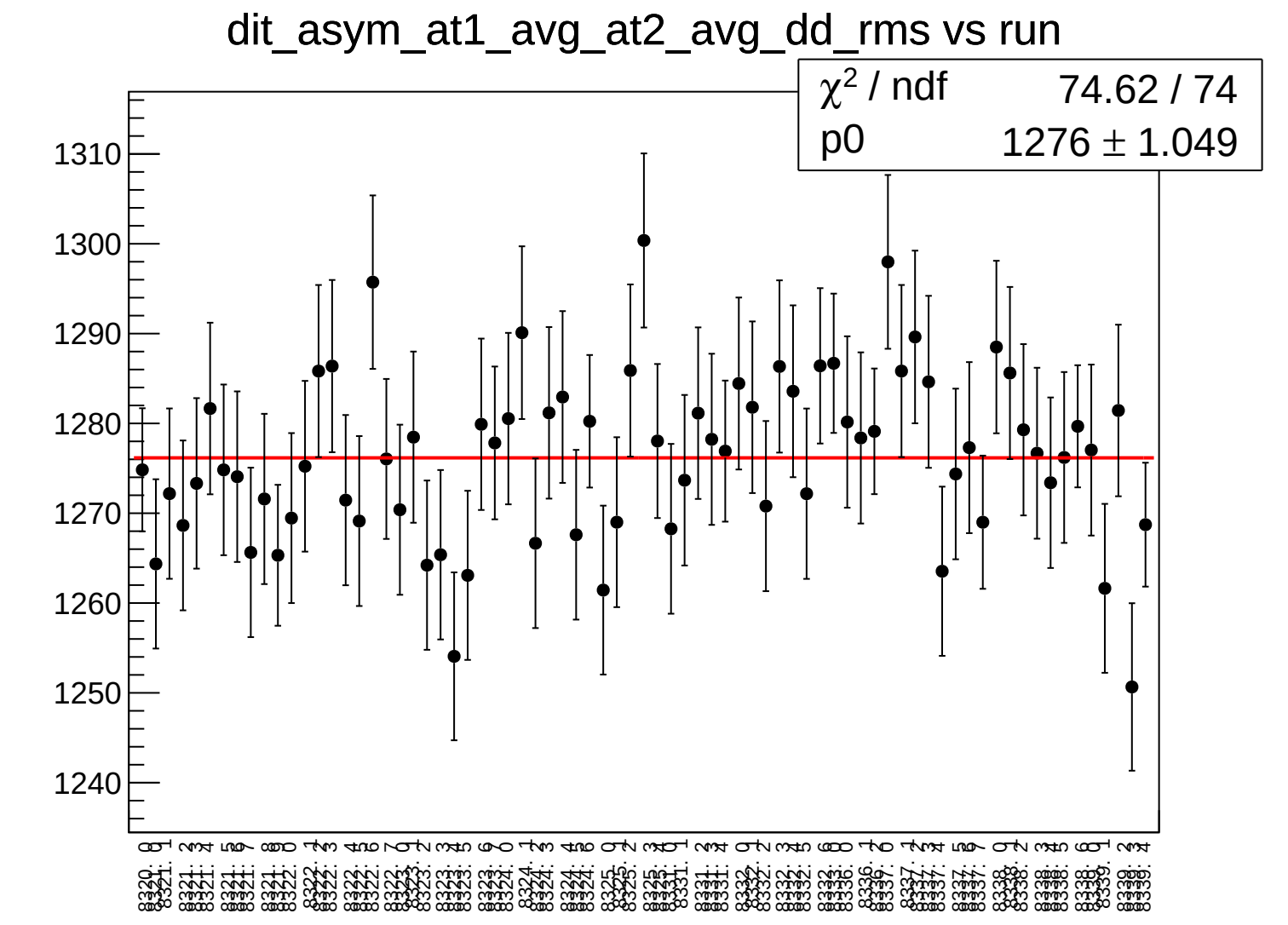

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 885.5
Std Dev 0

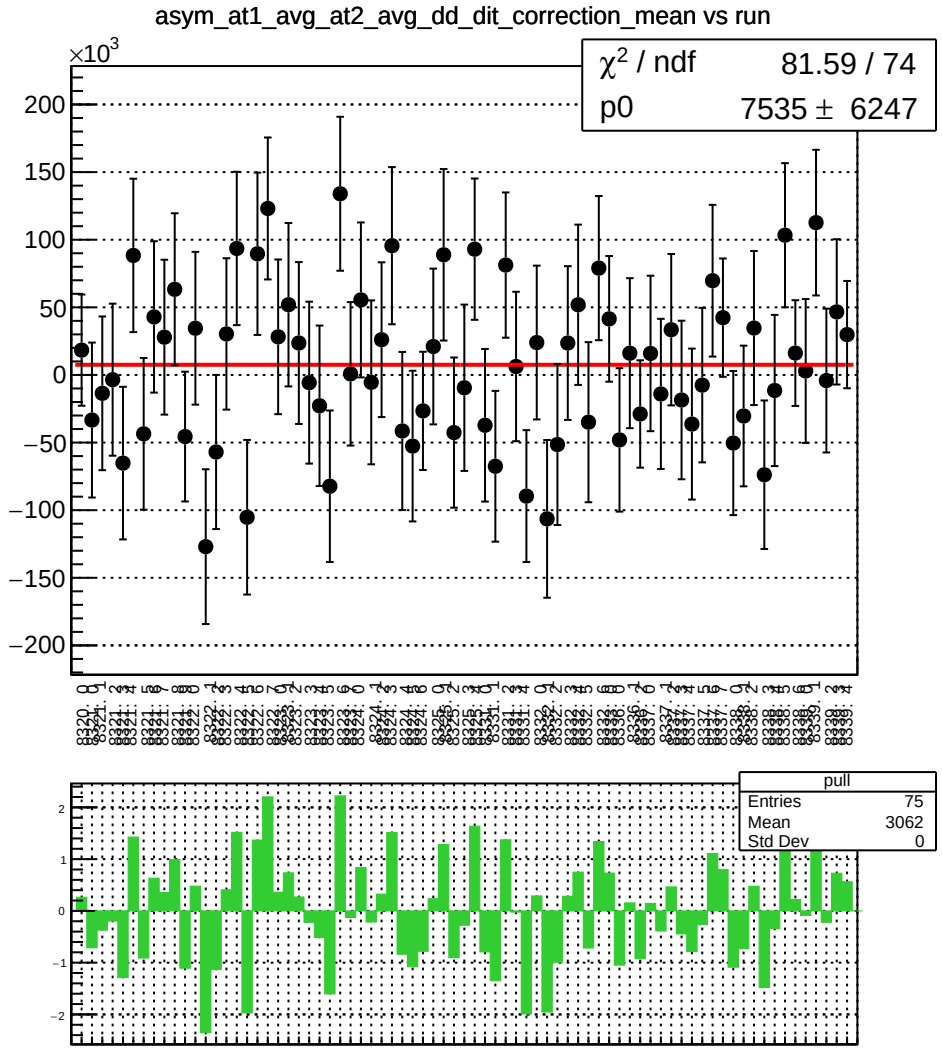

pull1D
Entries 75
Mean 0.001197
Std Dev 1.042

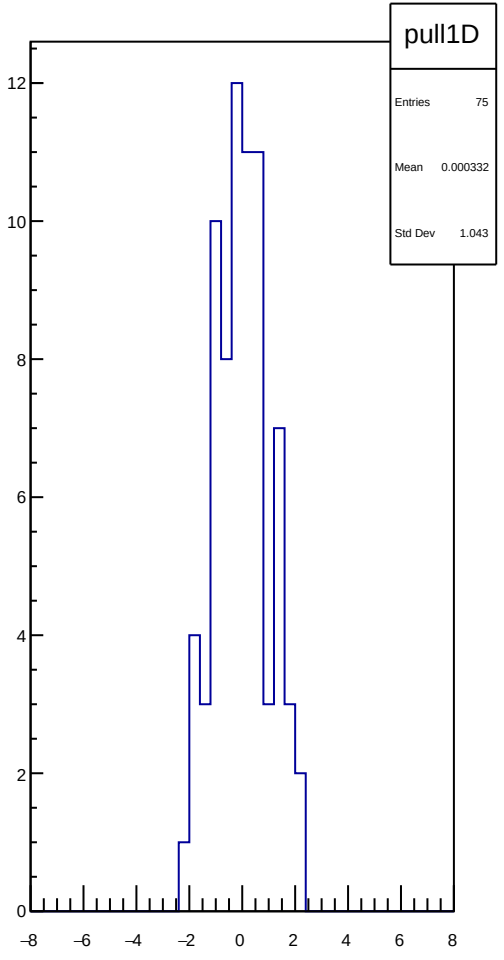

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

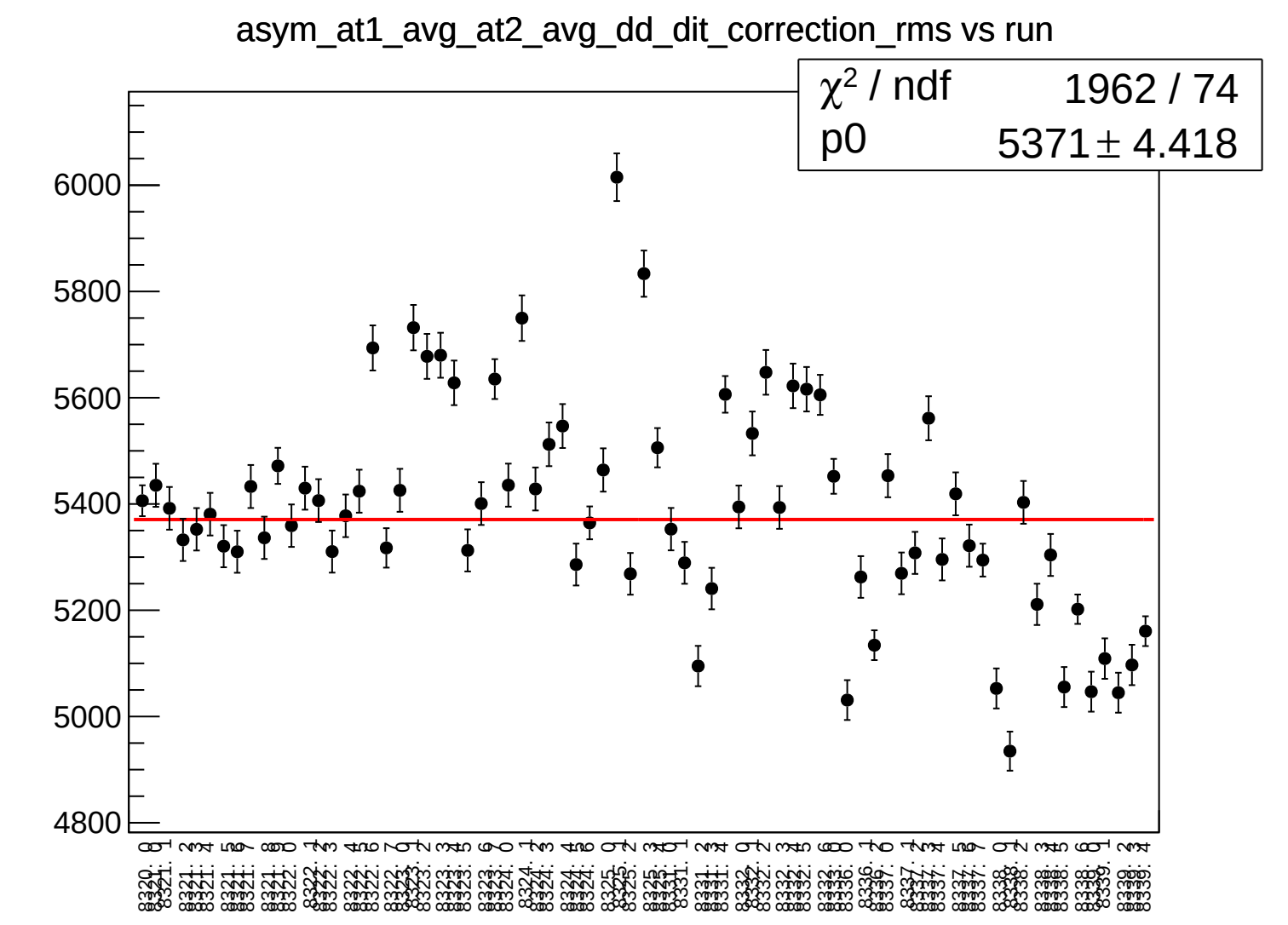

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 85.36 / 74
p0 −1470 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 70.35
Std Dev 0
2
1
0
−1
−2

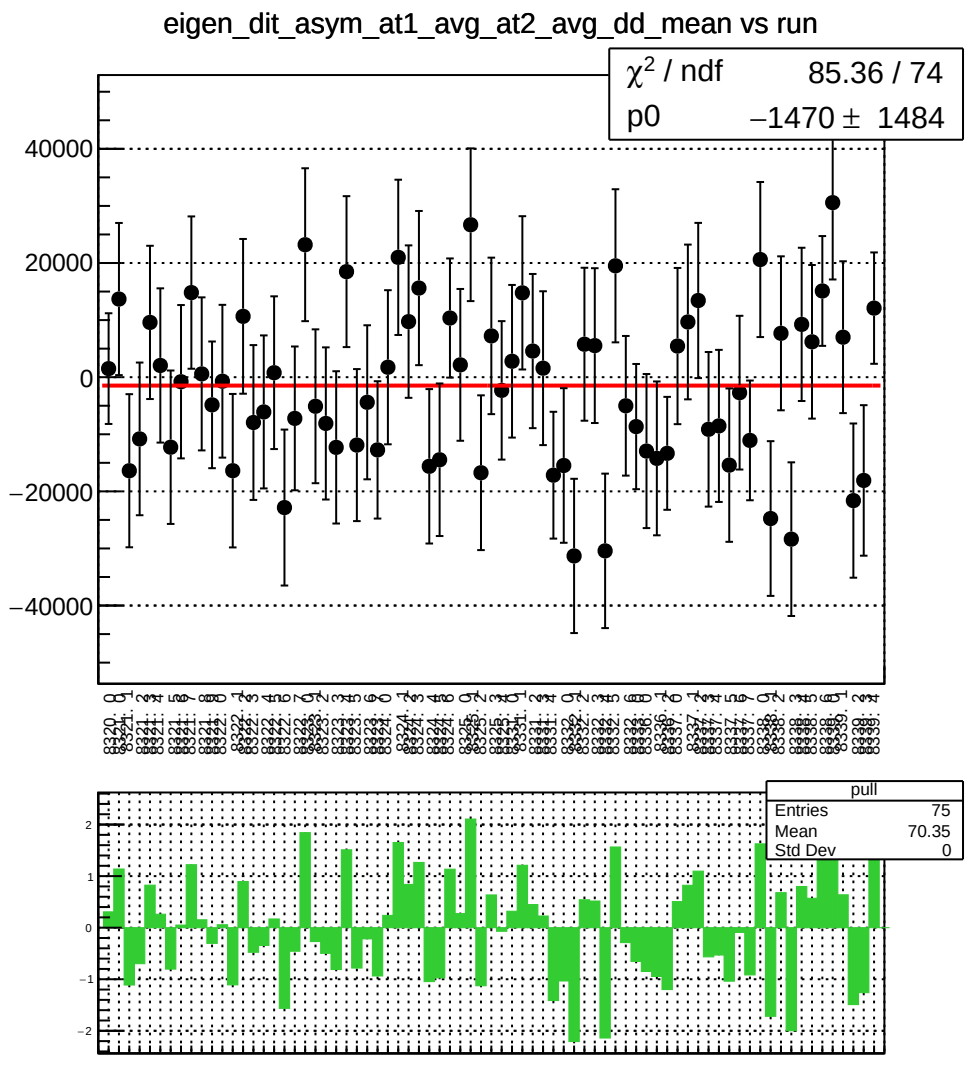

pull1D
Entries 75
Mean −0.004233
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

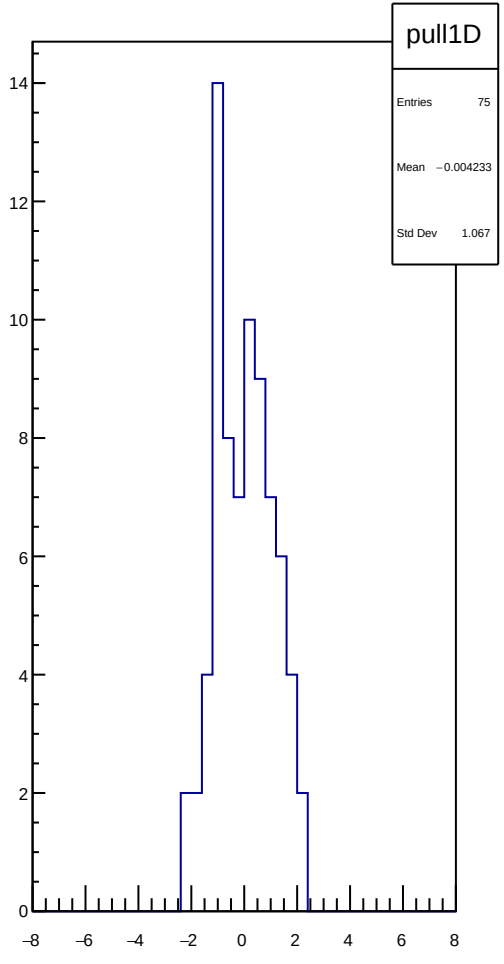

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 74.62 / 74
p0 1276 ± 1.049
1310
1300
1290
1280
1270
1260
1250
1240

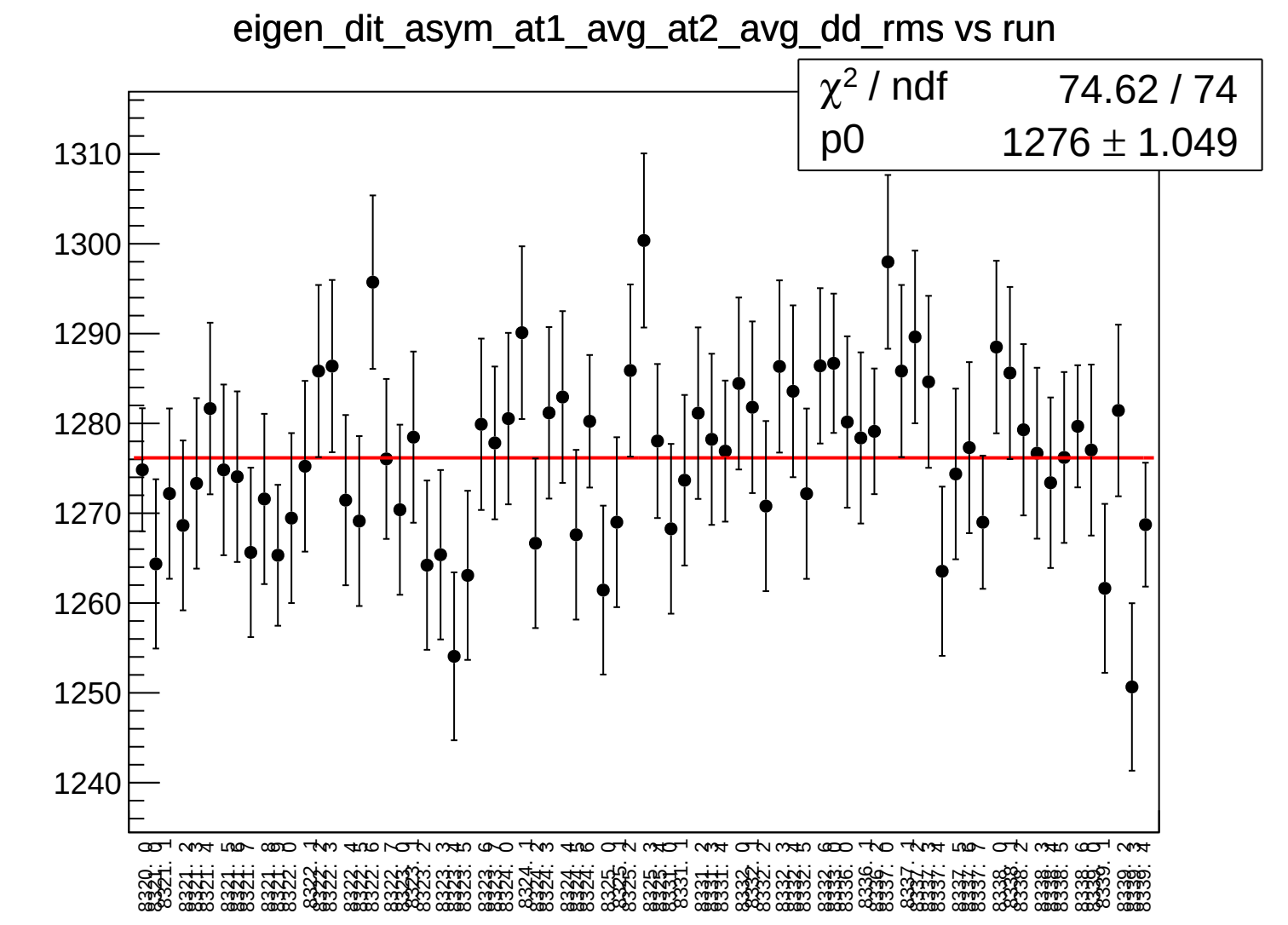

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.59 / 74
p0 7535 ± 6247
pull
Entries 75
Mean 3062
Std Dev 0

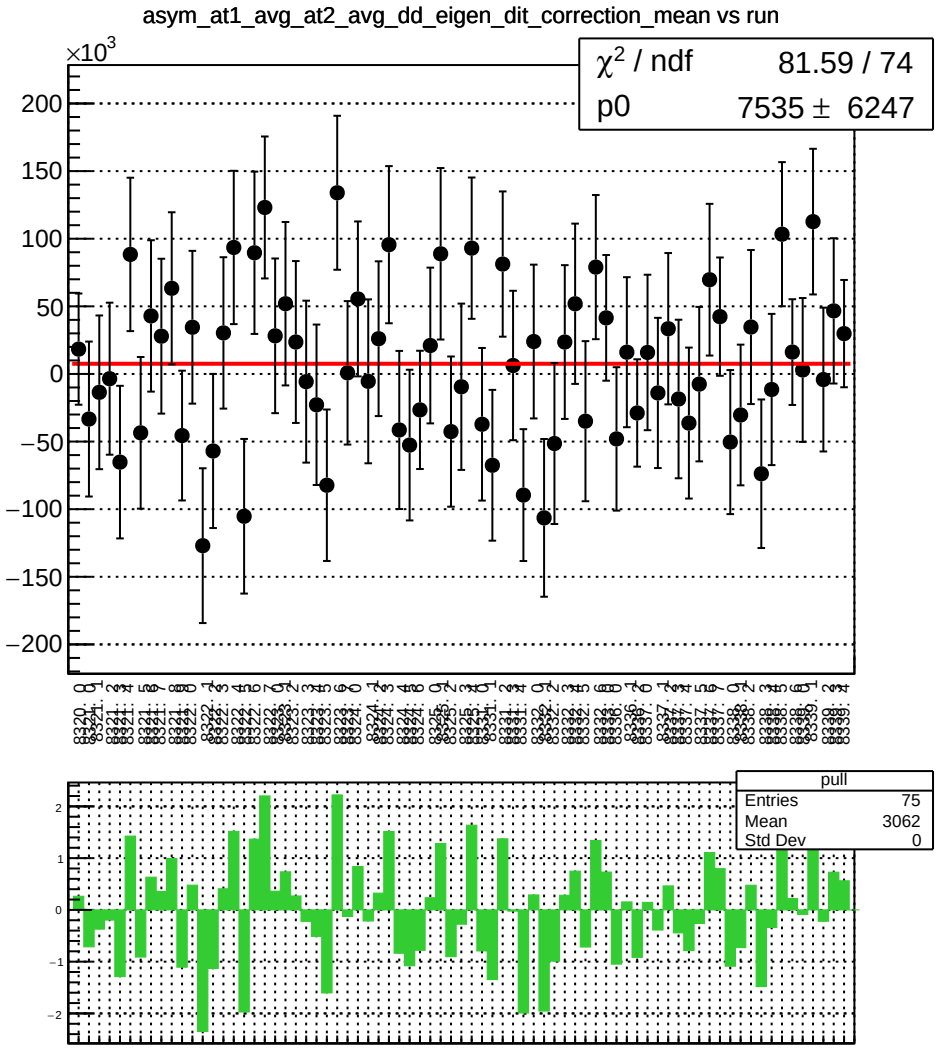

pull1D
Entries 75
Mean 0.000332
Std Dev 1.043

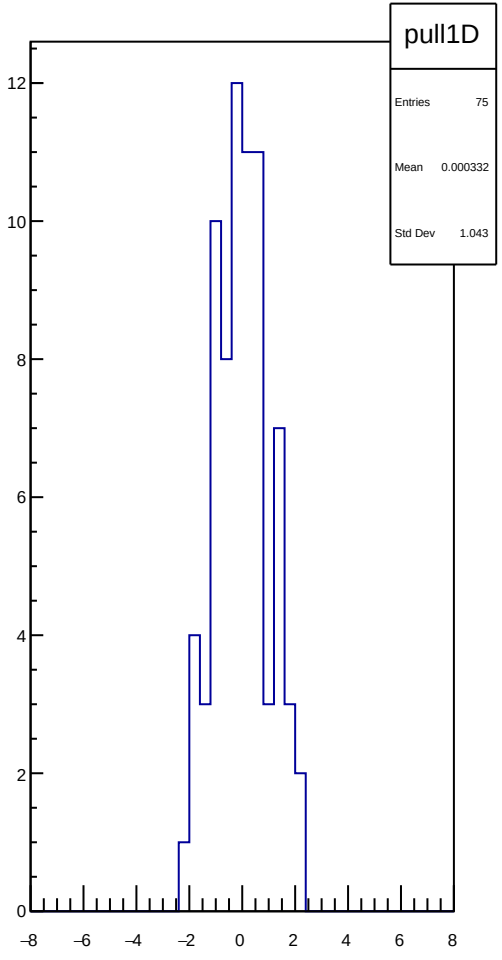

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1962 / 74
p0 5371 ± 4.418
6000
5800
5600
5400
5200
5000
4800

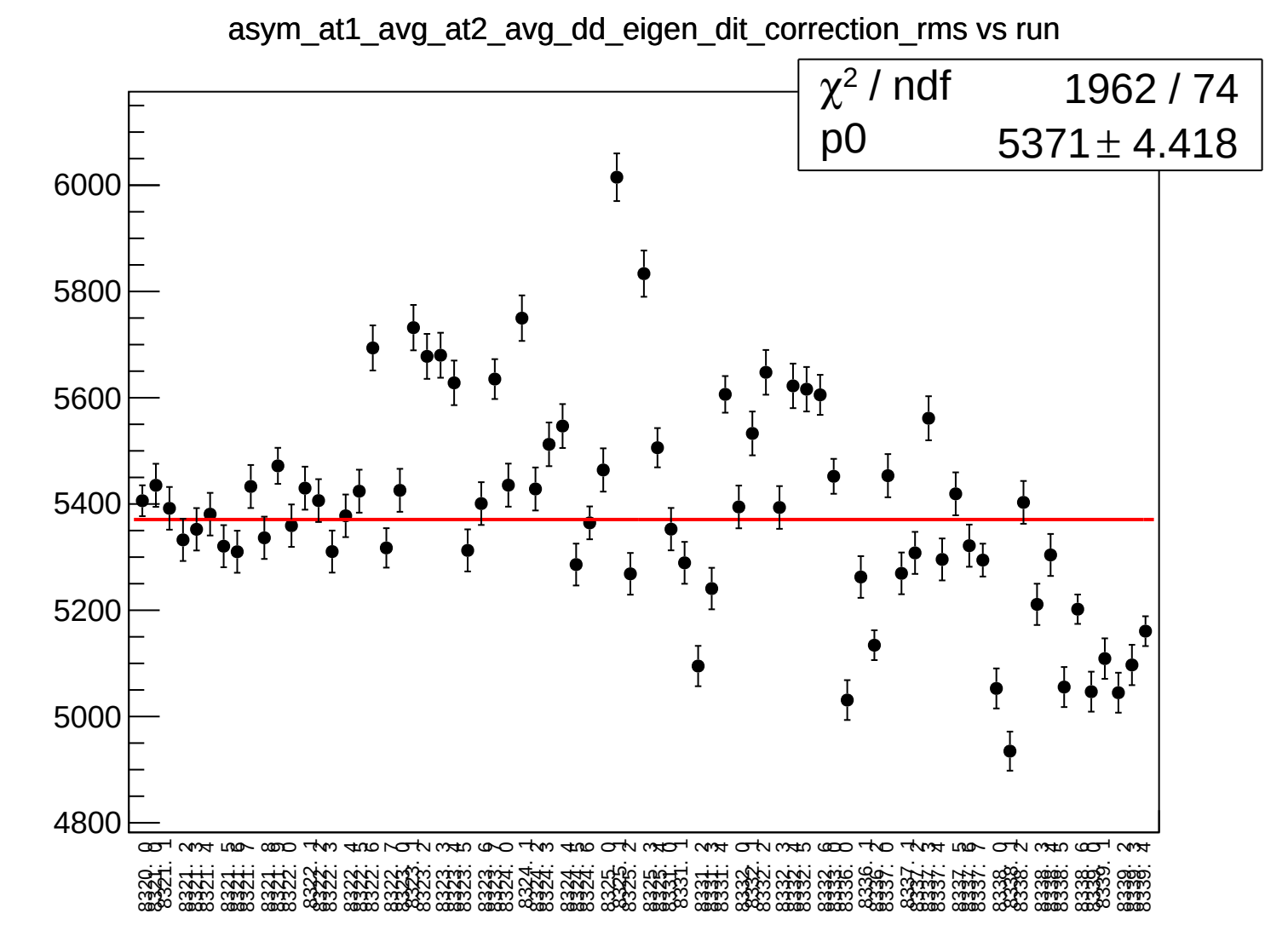

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 85.36 / 74
p0 −1470 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 70.35
Std Dev 0
2
1
0
−1
−2

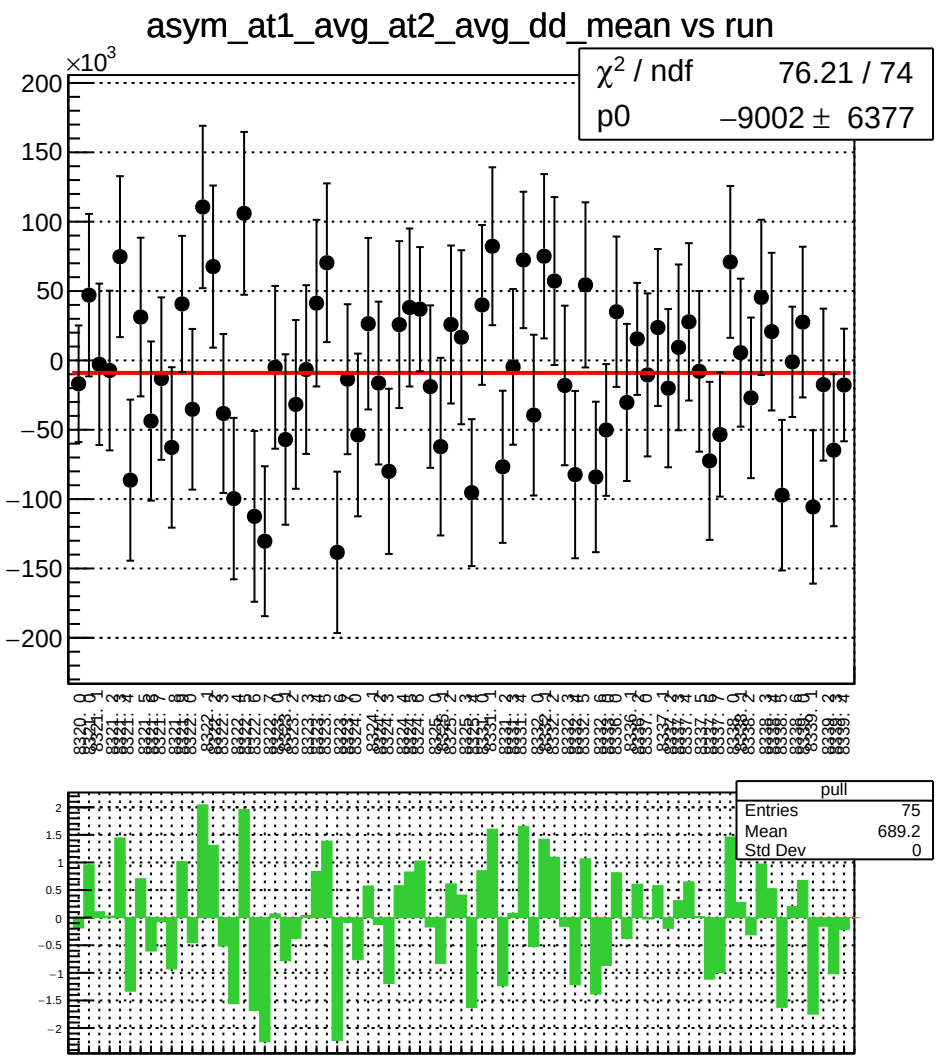

pull1D
Entries 75
Mean −0.004233
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

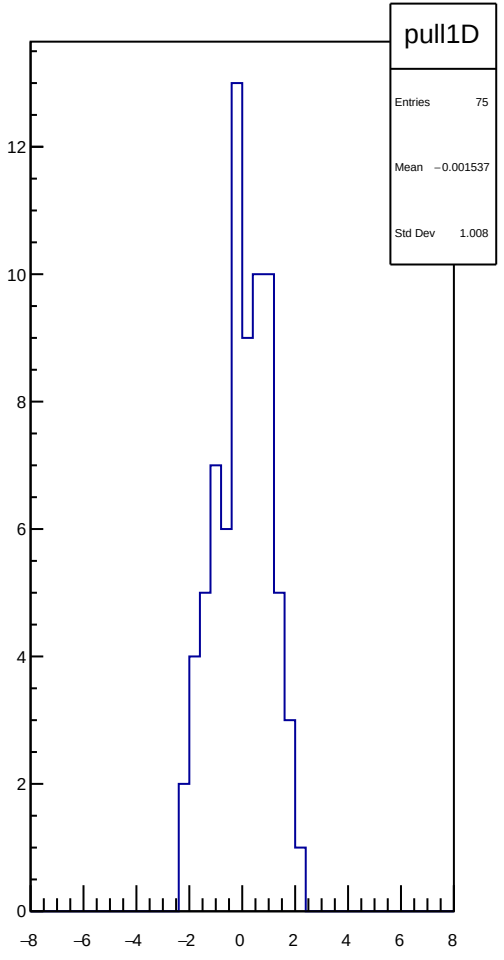

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 74.62 / 74
p0 1276 ± 1.049
1310
1300
1290
1280
1270
1260
1250
1240

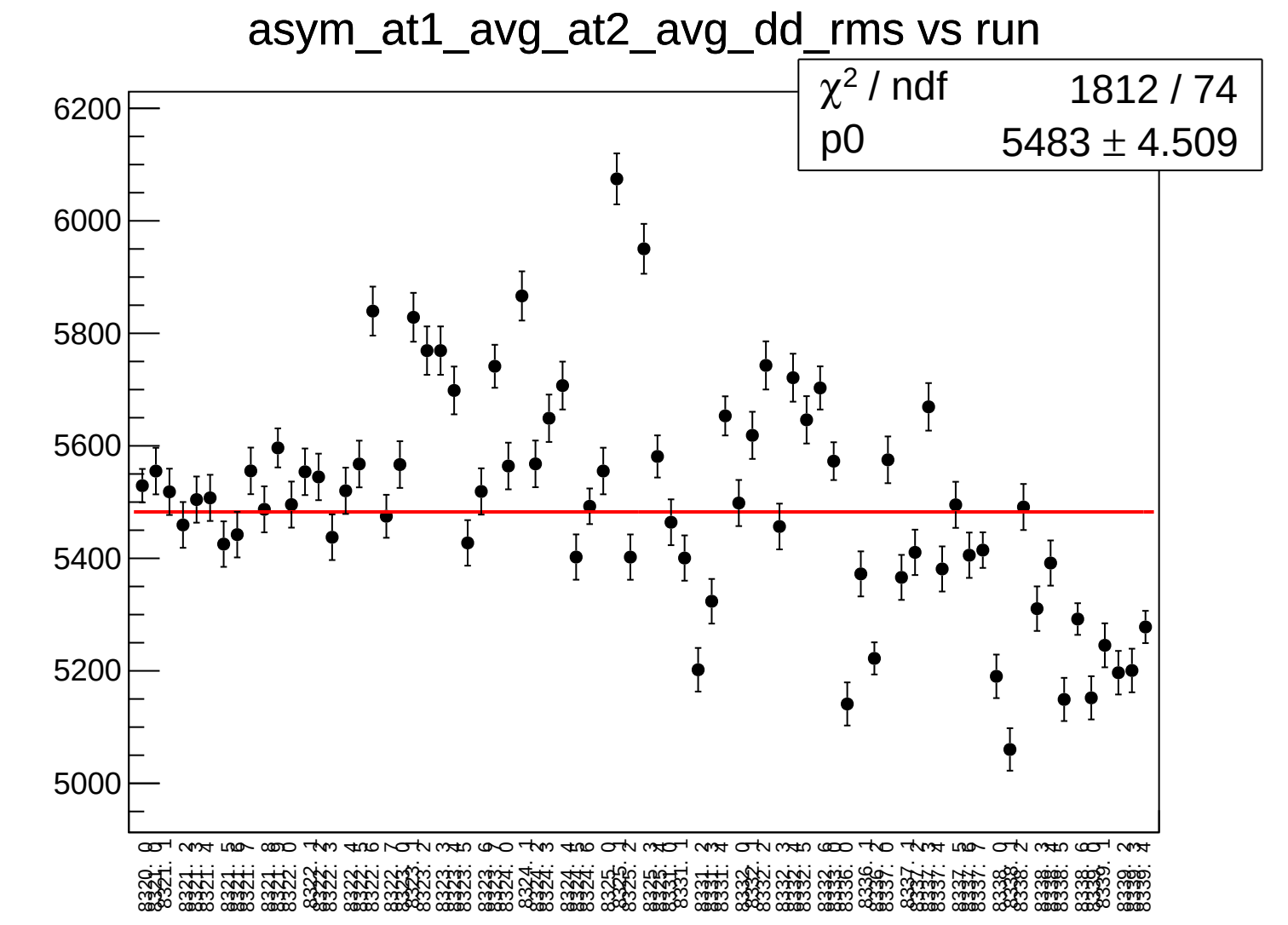

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.59 / 74
p0 7535 ± 6247
pull
Entries 75
Mean 3062
Std Dev 0

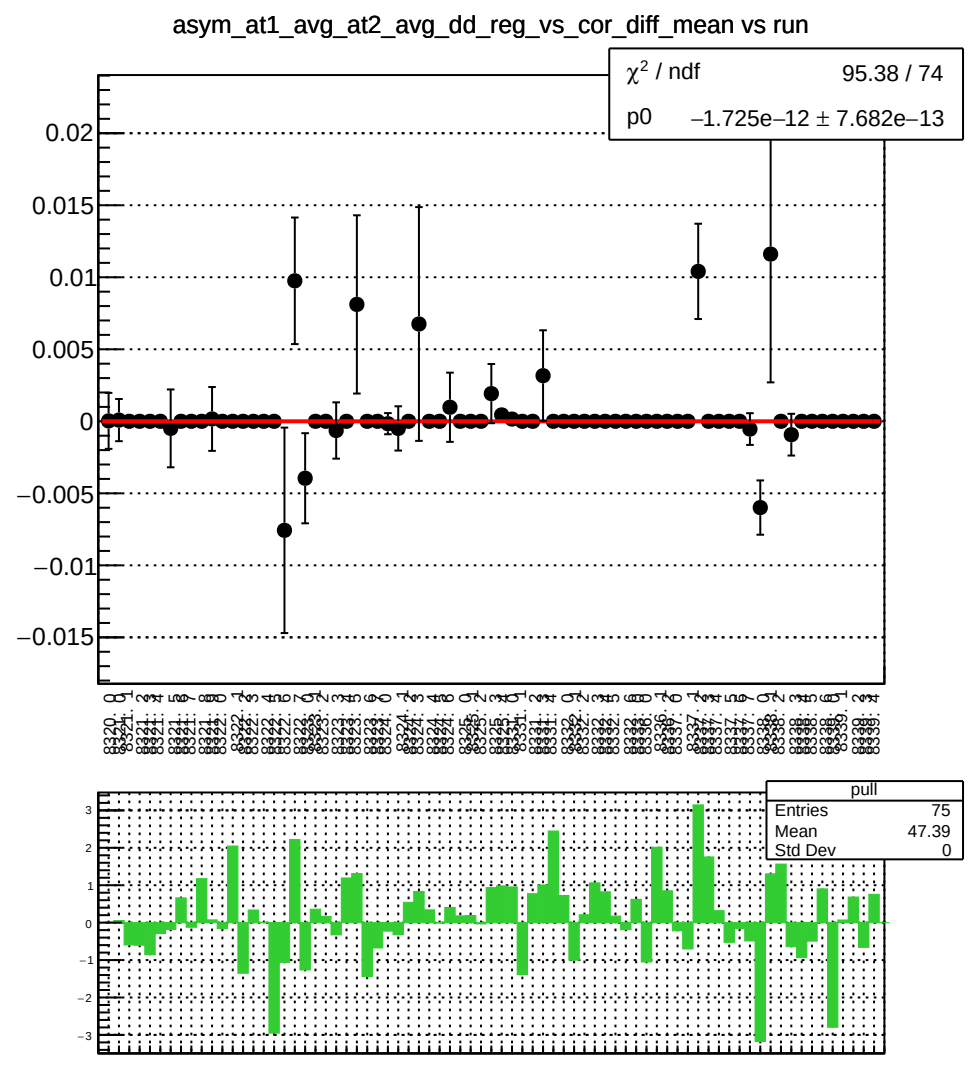

pull1D
Entries 75
Mean 0.000332
Std Dev 1.043

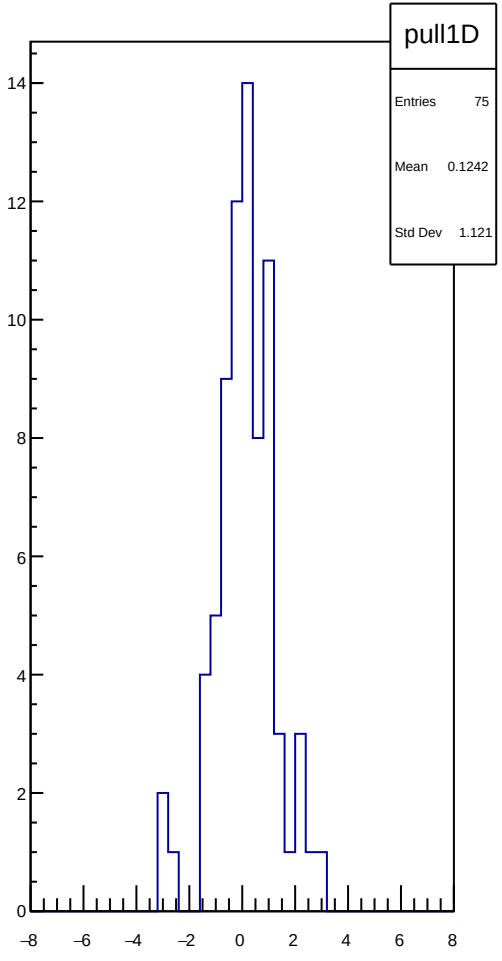

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1962 / 74
p0 5371 ± 4.418
6000
5800
5600
5400
5200
5000
4800

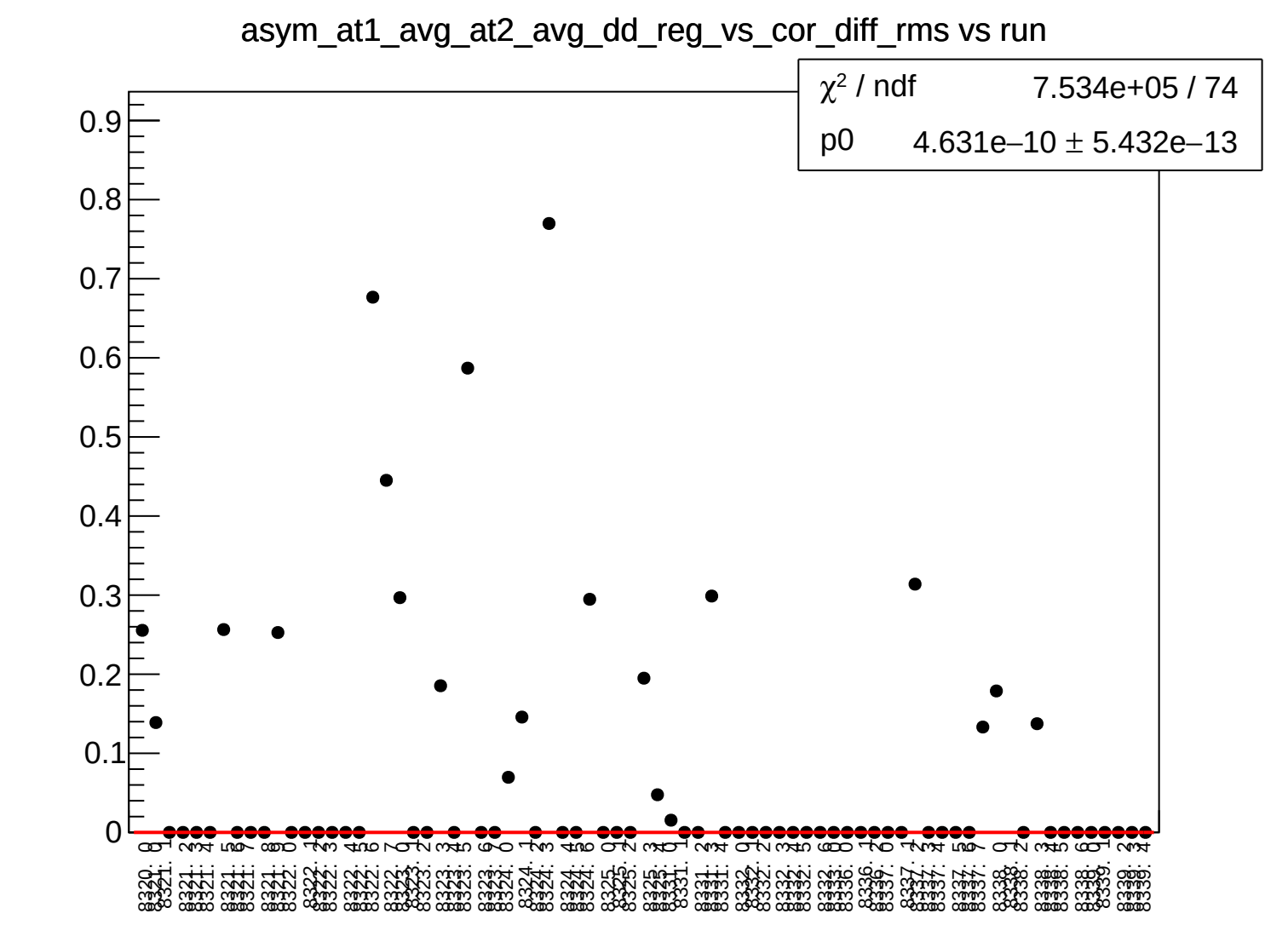

asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 76.21 / 74
p0 −9002 ± 6377
pull
Entries 75
Mean 689.2
Std Dev 0

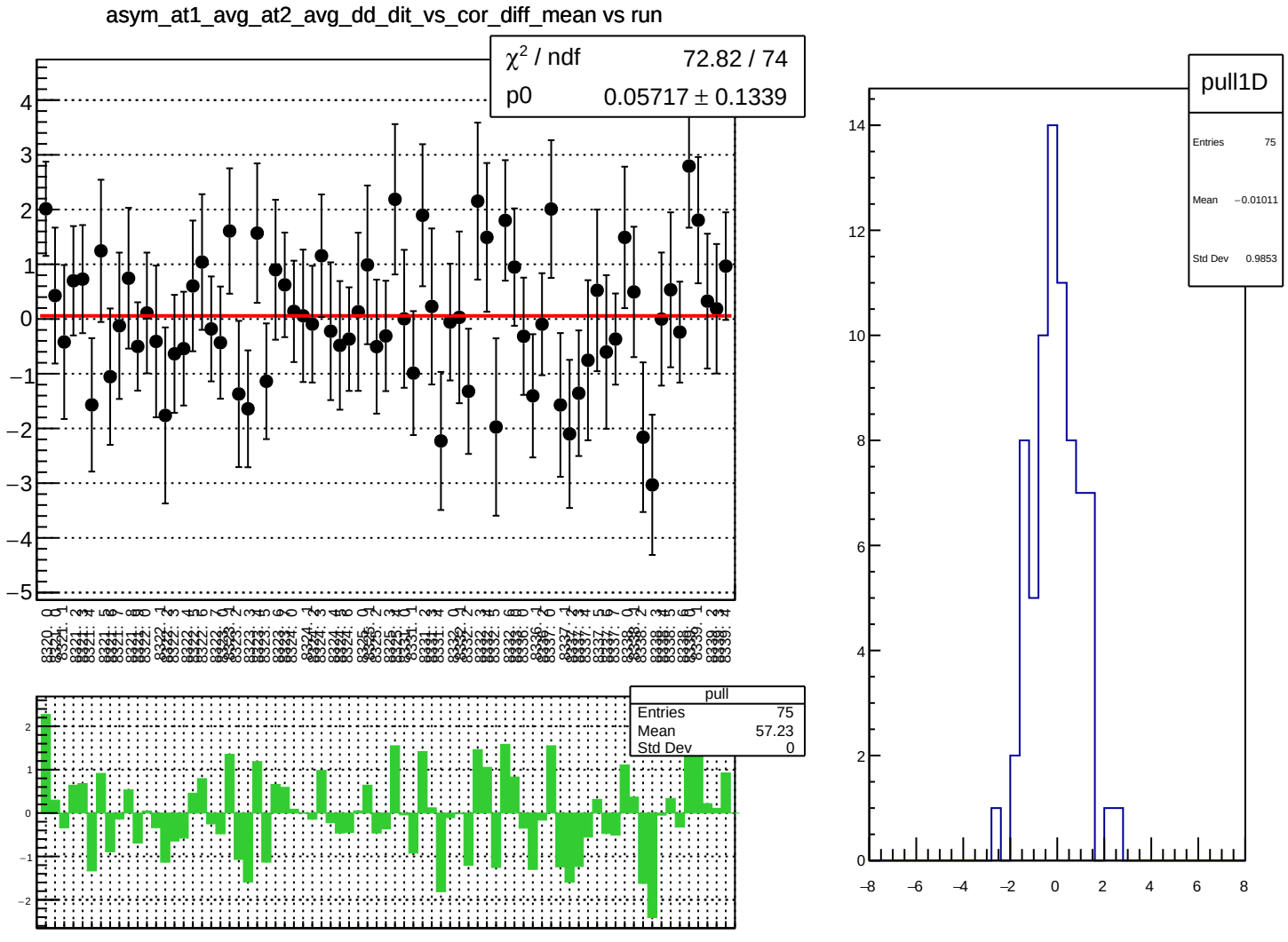

pull1D
Entries 75
Mean −0.001537
Std Dev 1.008

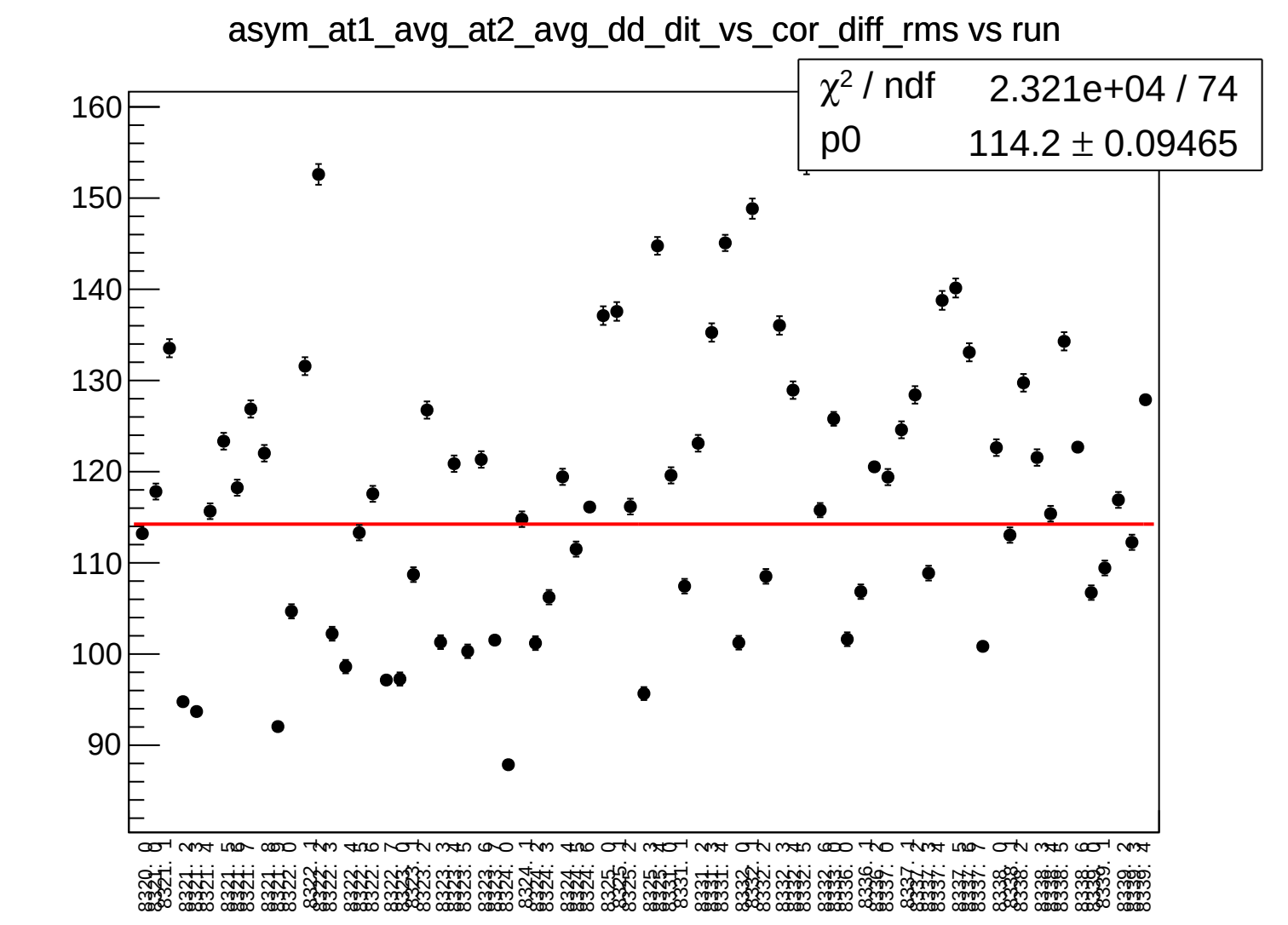

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1812 / 74
p0 5483 ± 4.509
6200
6000
5800
5600
5400
5200
5000

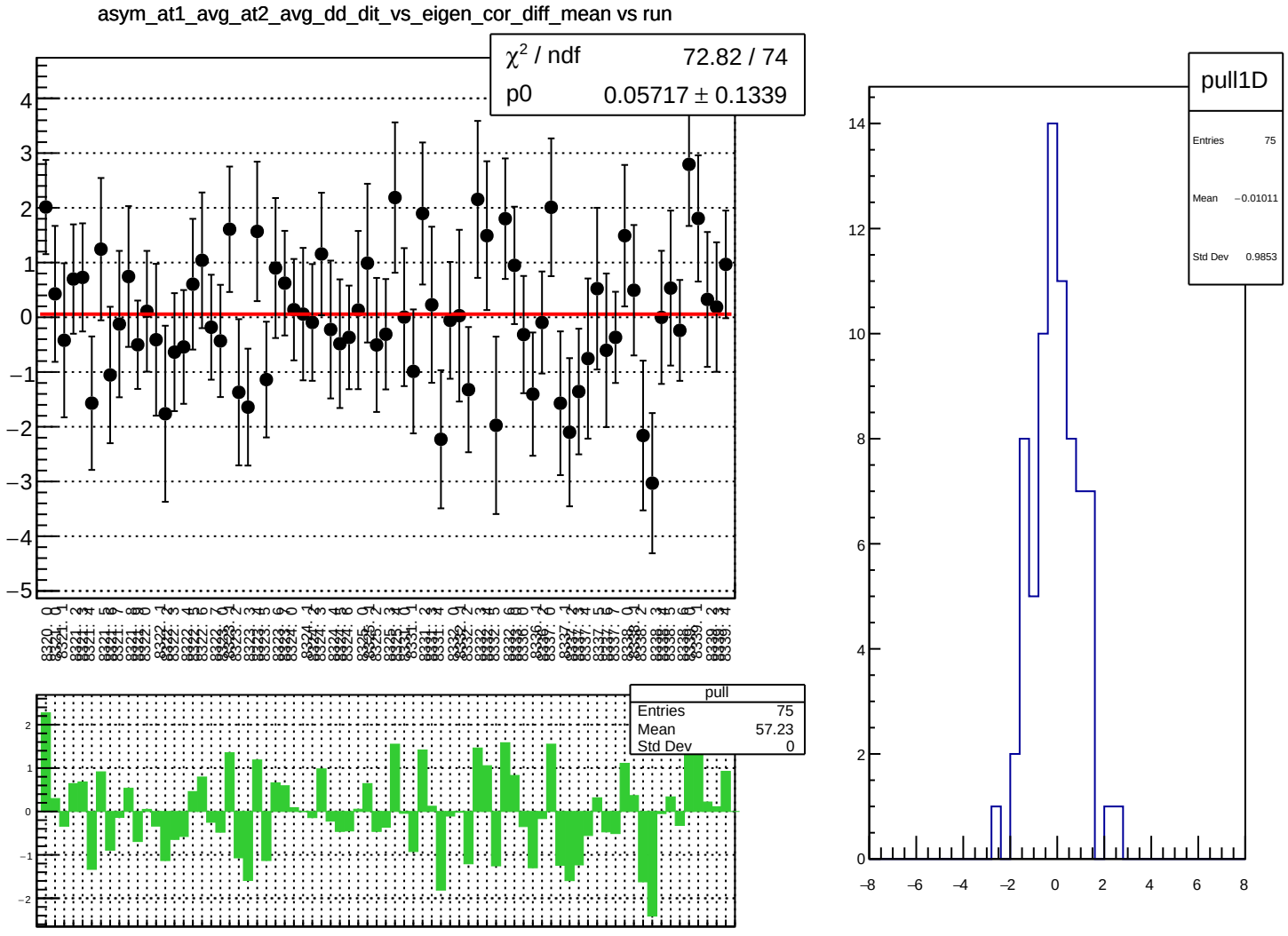

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 95.38 / 74
p0 −1.725e−12 ± 7.682e−13
pull
Entries 75
Mean 47.39
Std Dev 0

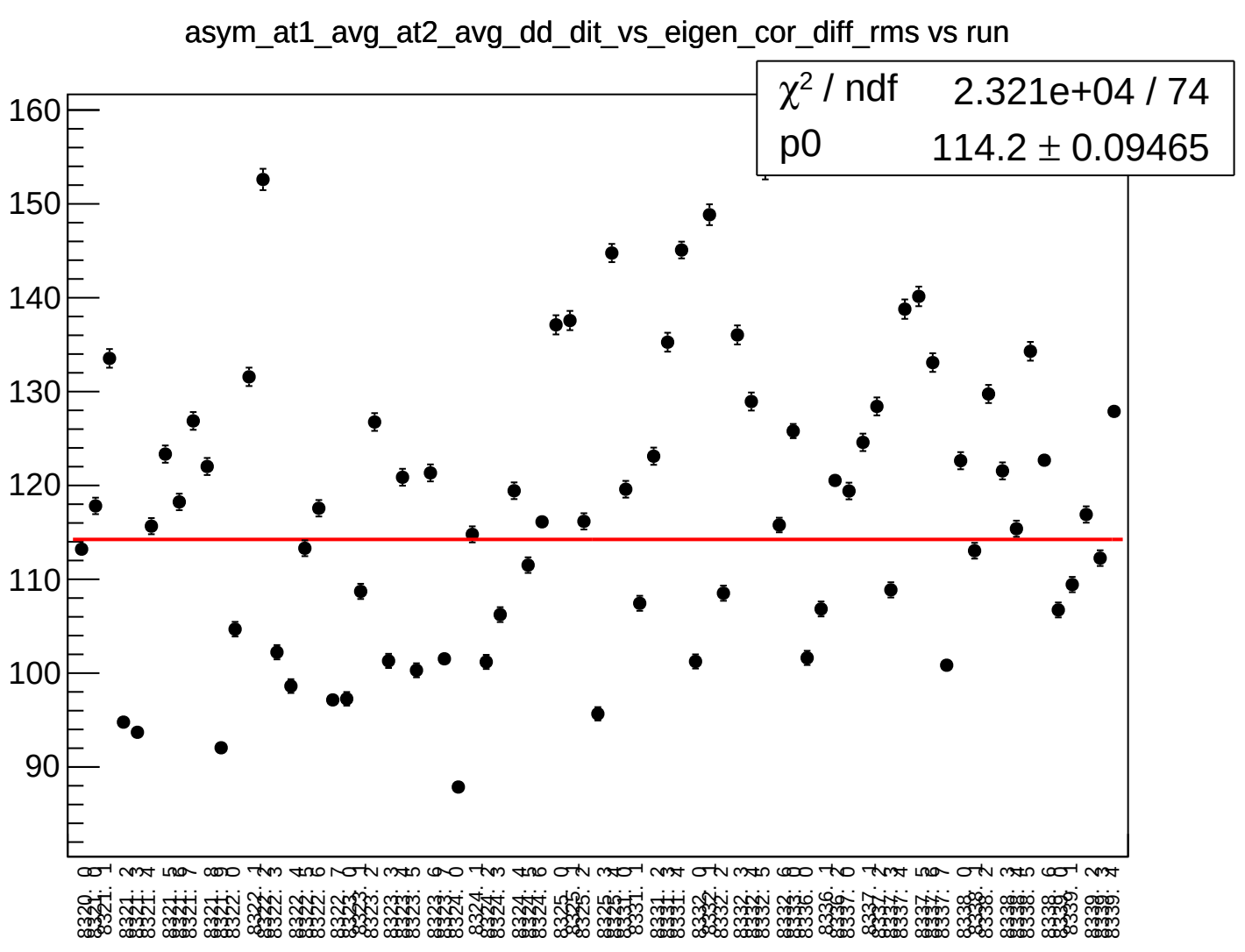

pull1D
Entries 75
Mean 0.1242
Std Dev 1.121

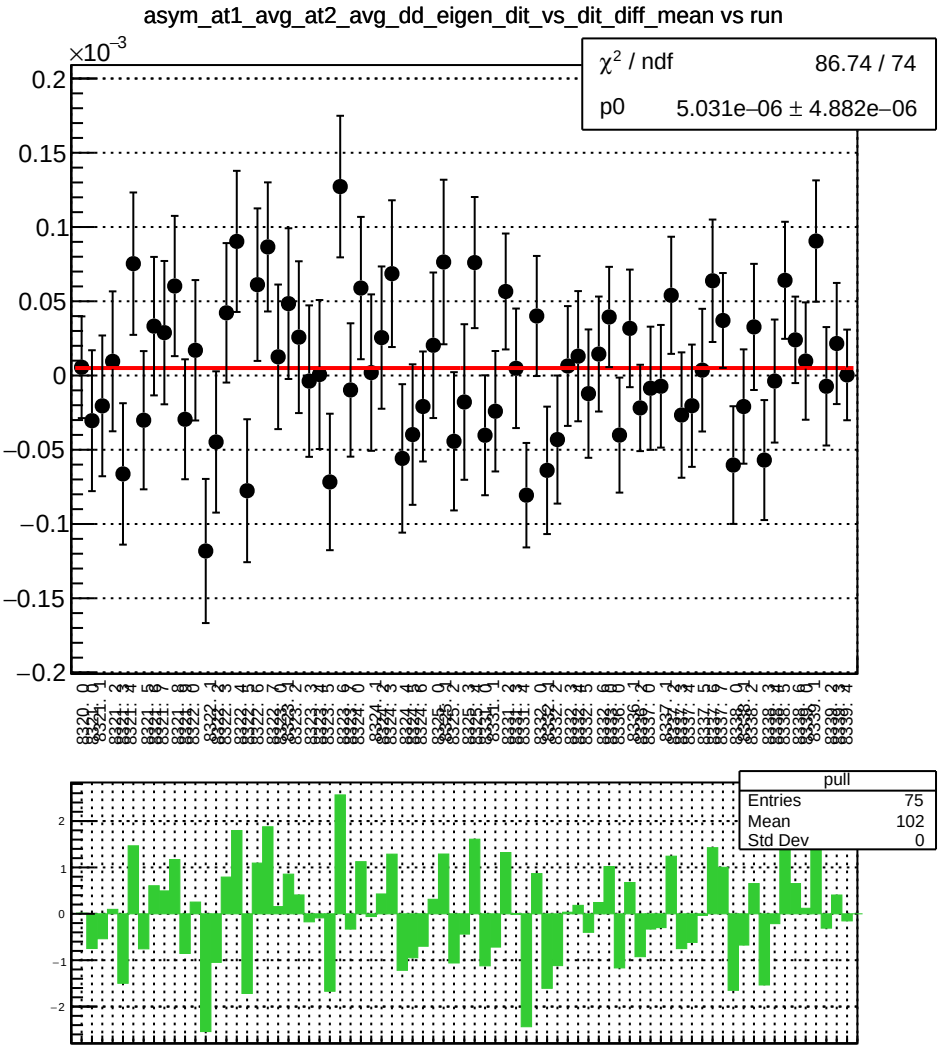

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.534e+05 / 74
p0 4.631e−10 ± 5.432e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

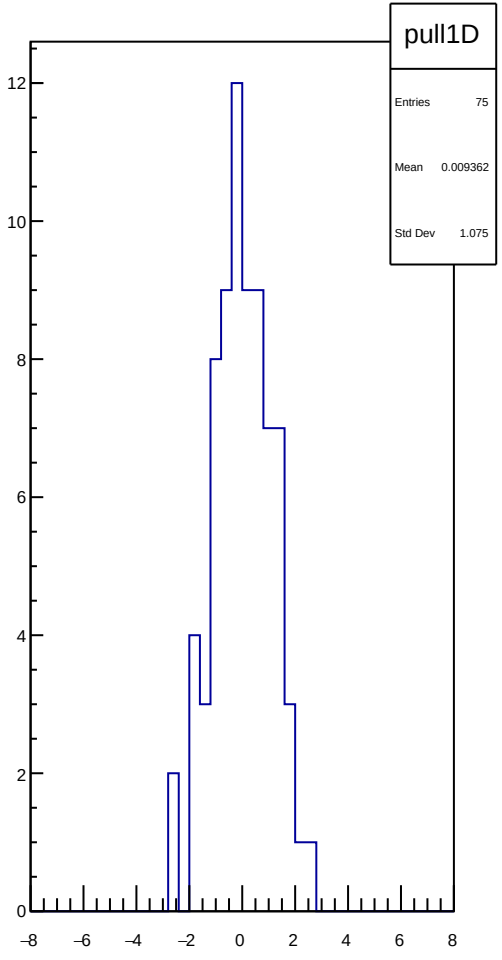

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05717 ± 0.1339
pull
Entries 75
Mean 57.23
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

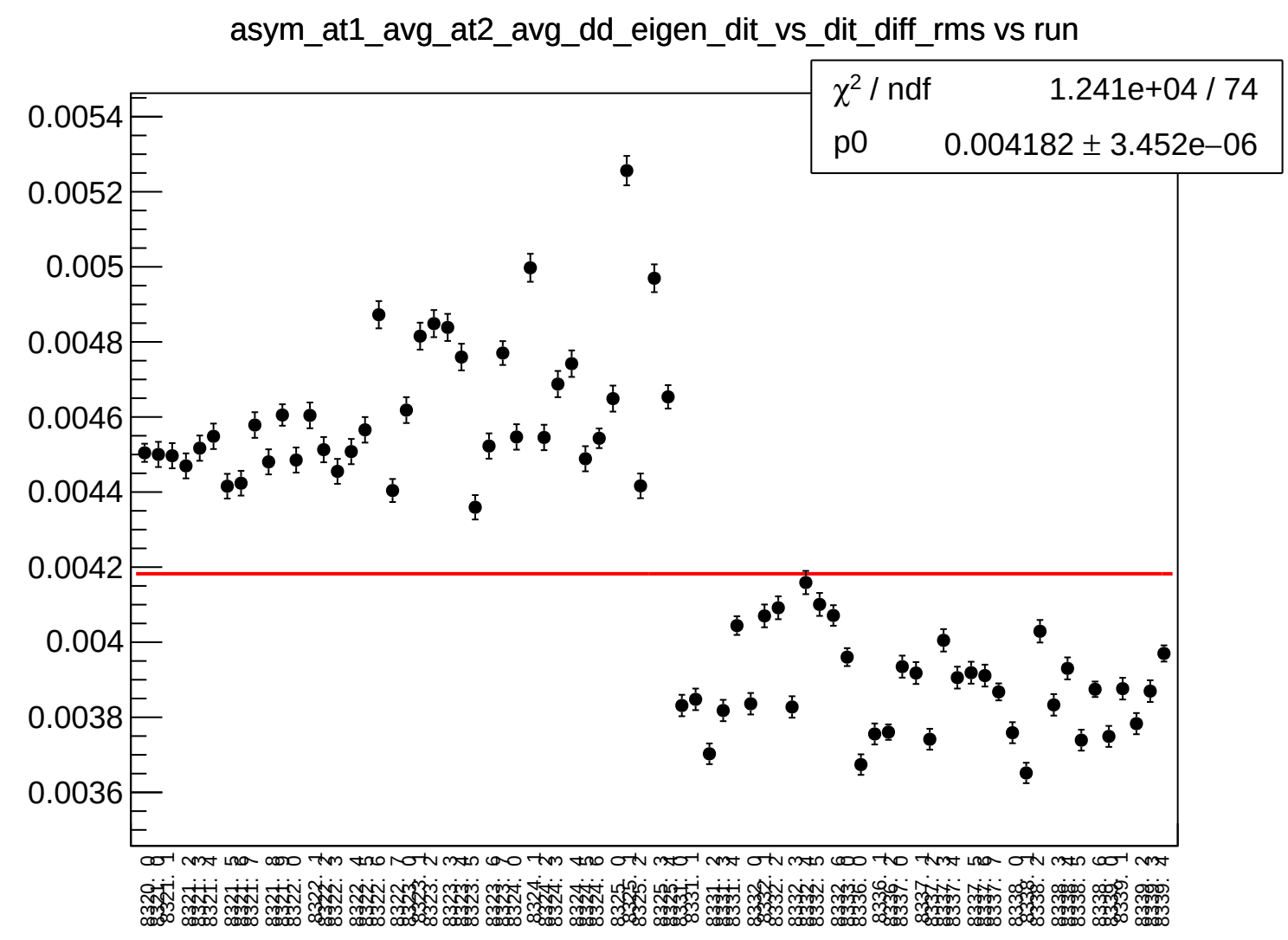

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

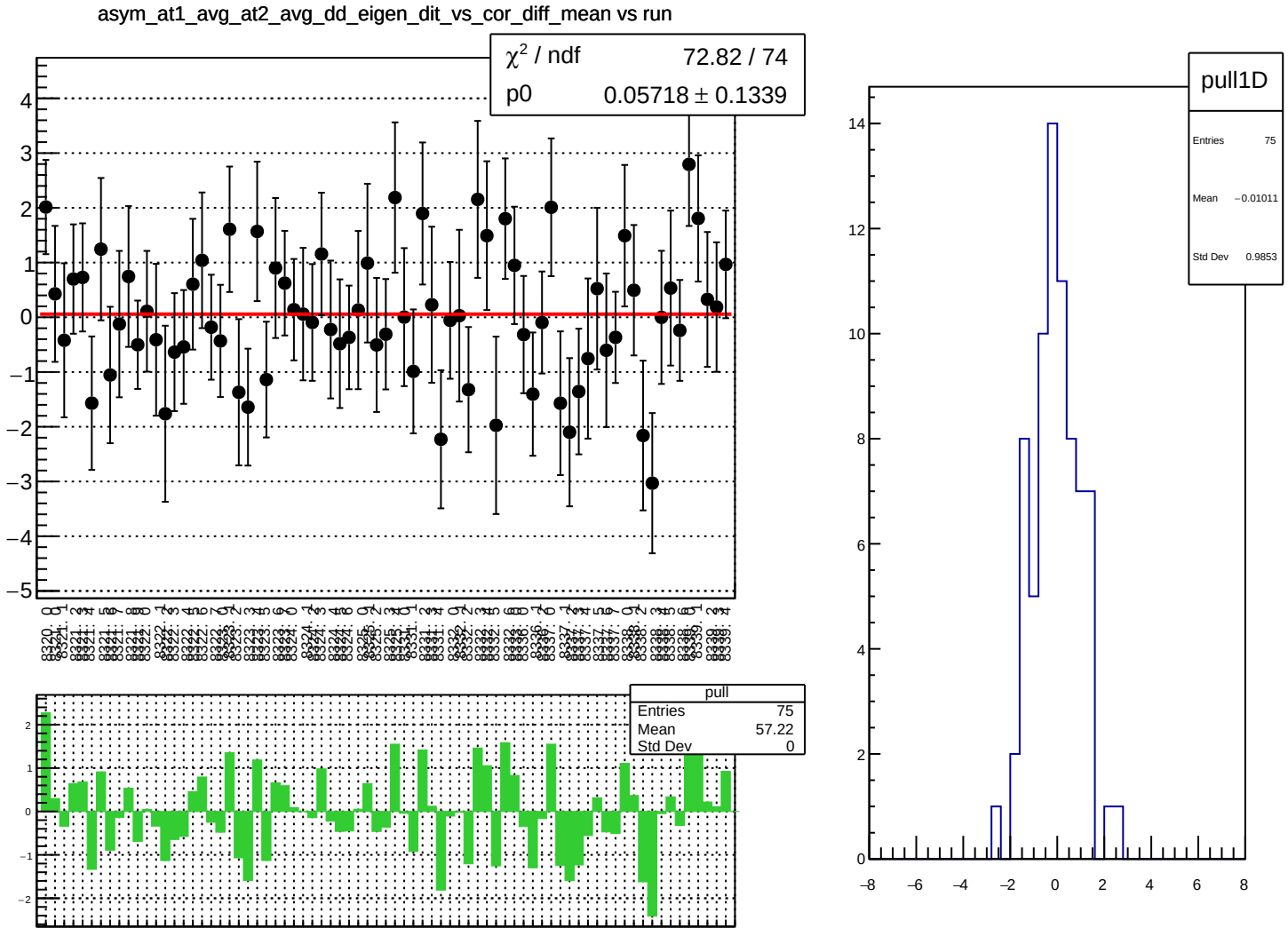

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05717 ± 0.1339
pull
Entries 75
Mean 57.23
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

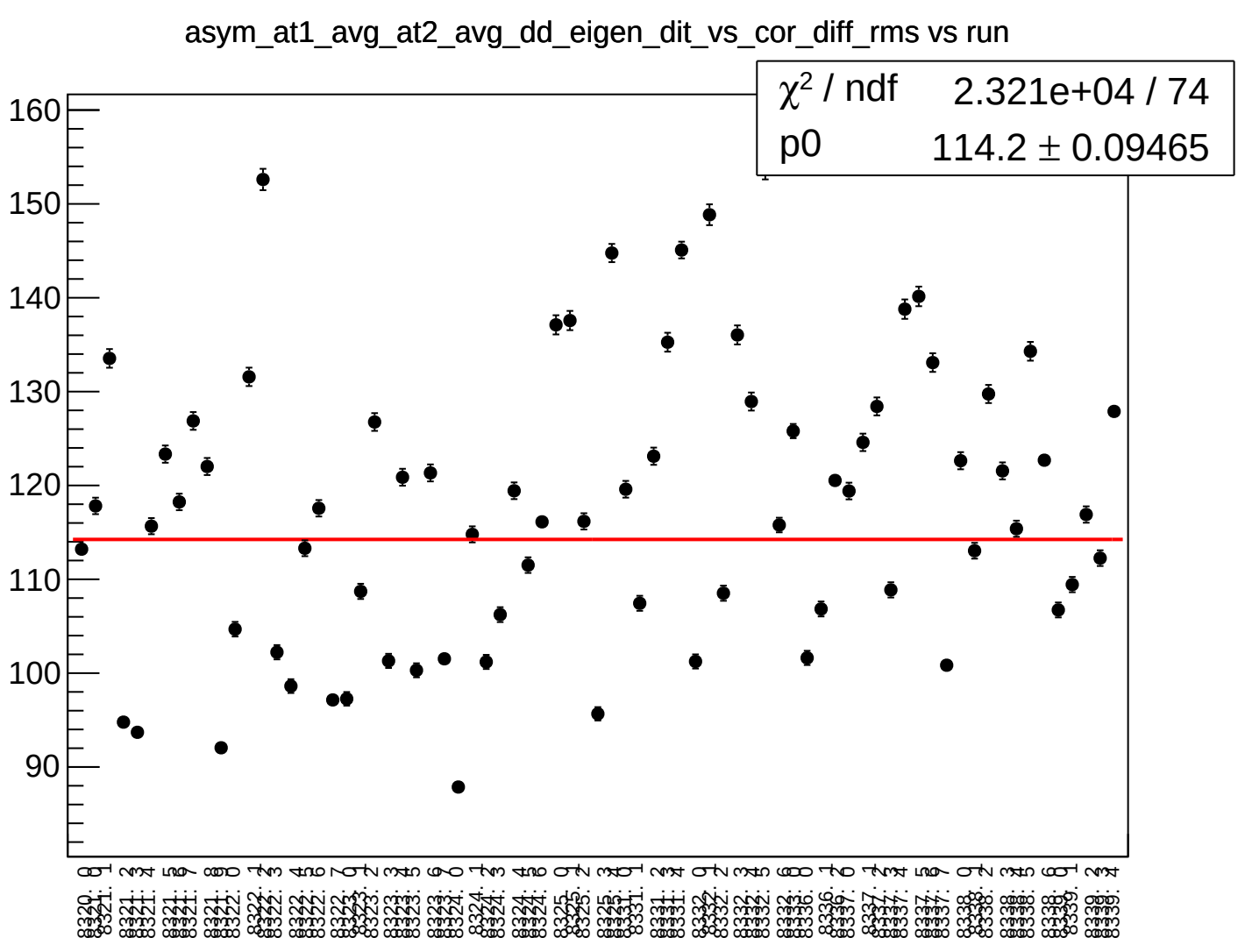

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

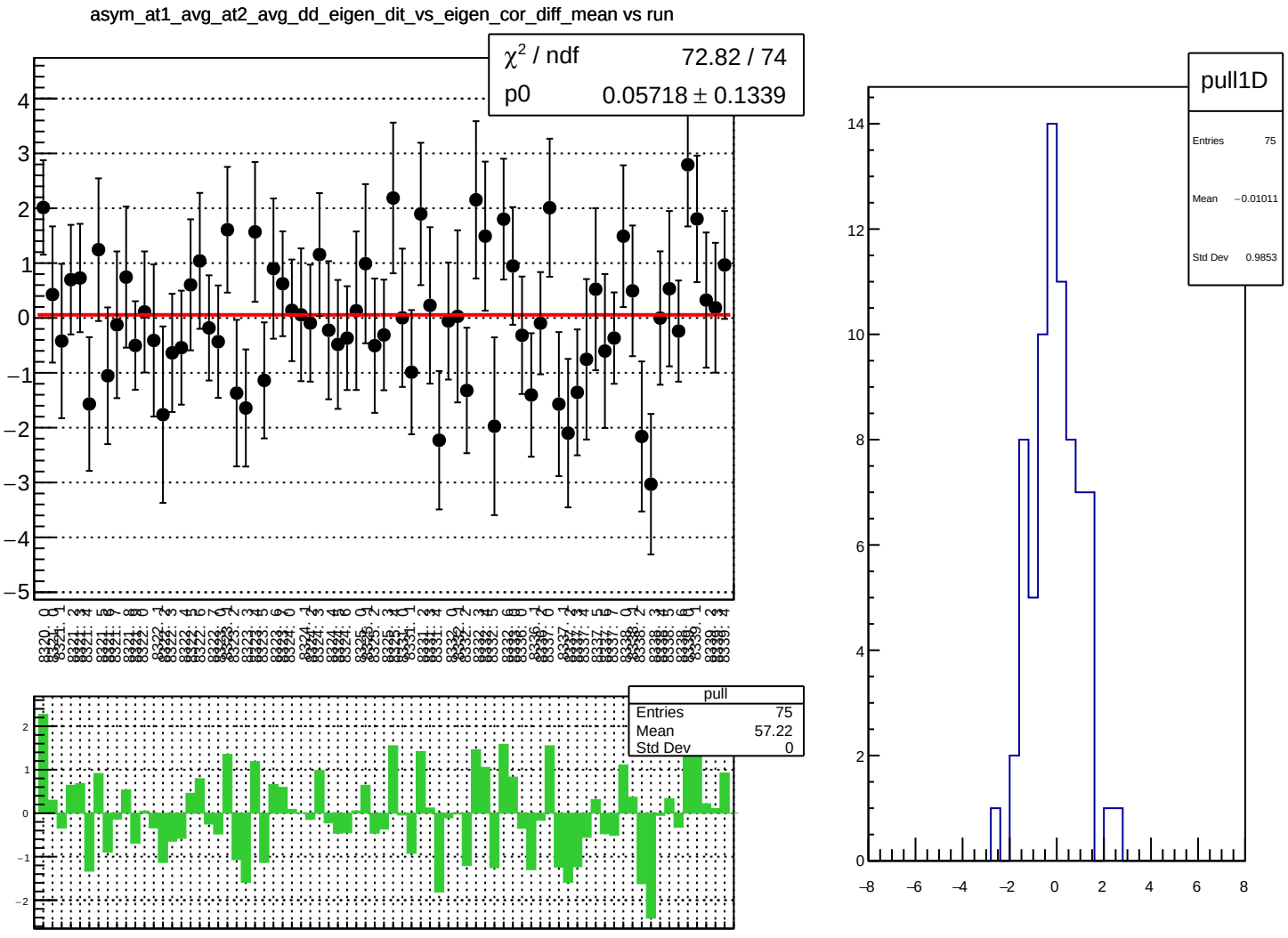

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.74 / 74
p0 5.031e−06 ± 4.882e−06
pull
Entries 75
Mean 102
Std Dev 0

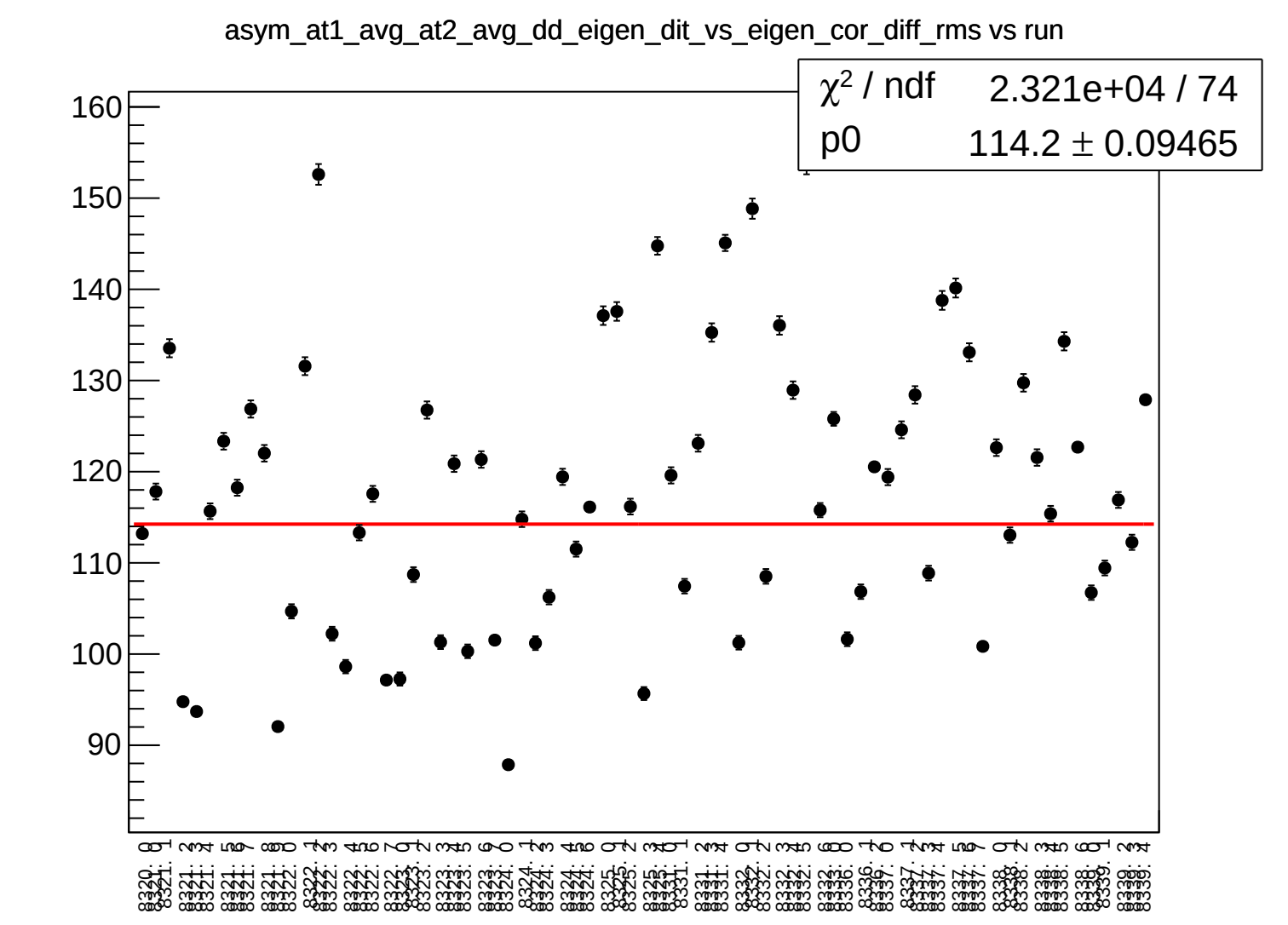

pull1D
Entries 75
Mean 0.009362
Std Dev 1.075

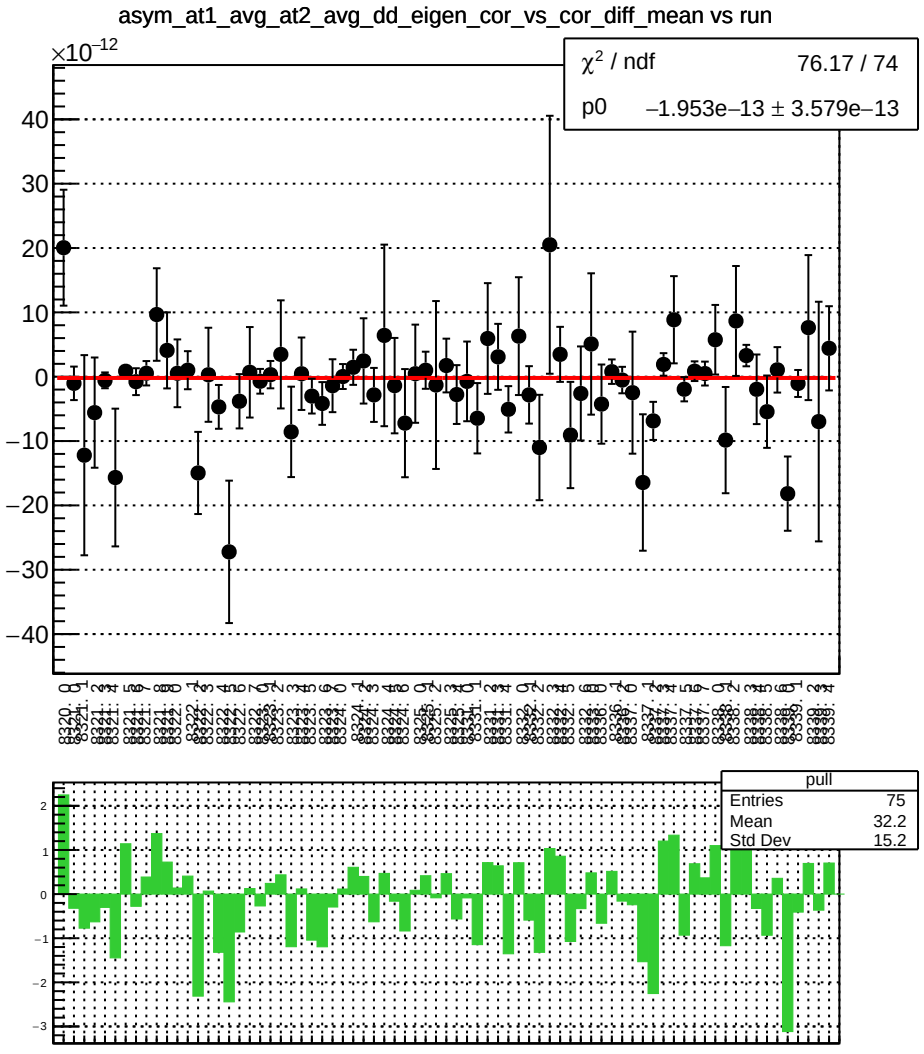

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ^2 / ndf 1.241e+04 / 74
p0 0.004182 ± 3.452e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036

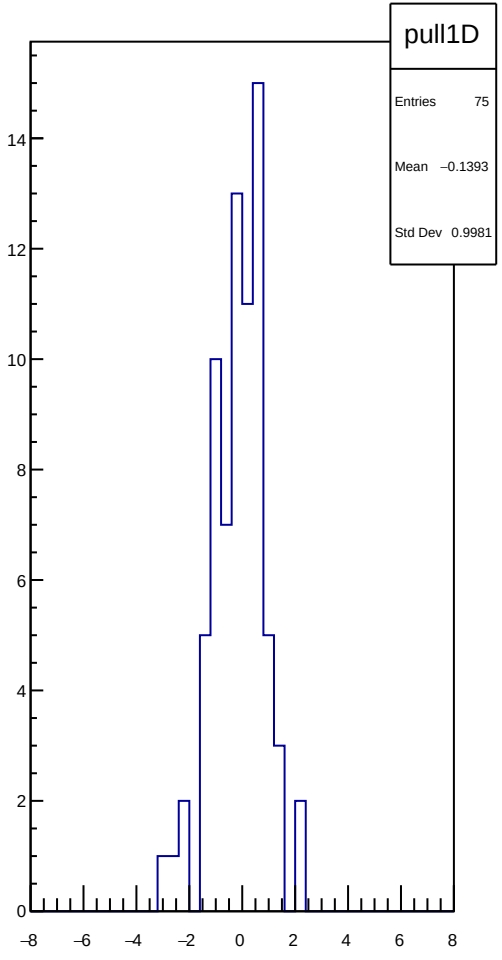

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05718 ± 0.1339
pull
Entries 75
Mean 57.22
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

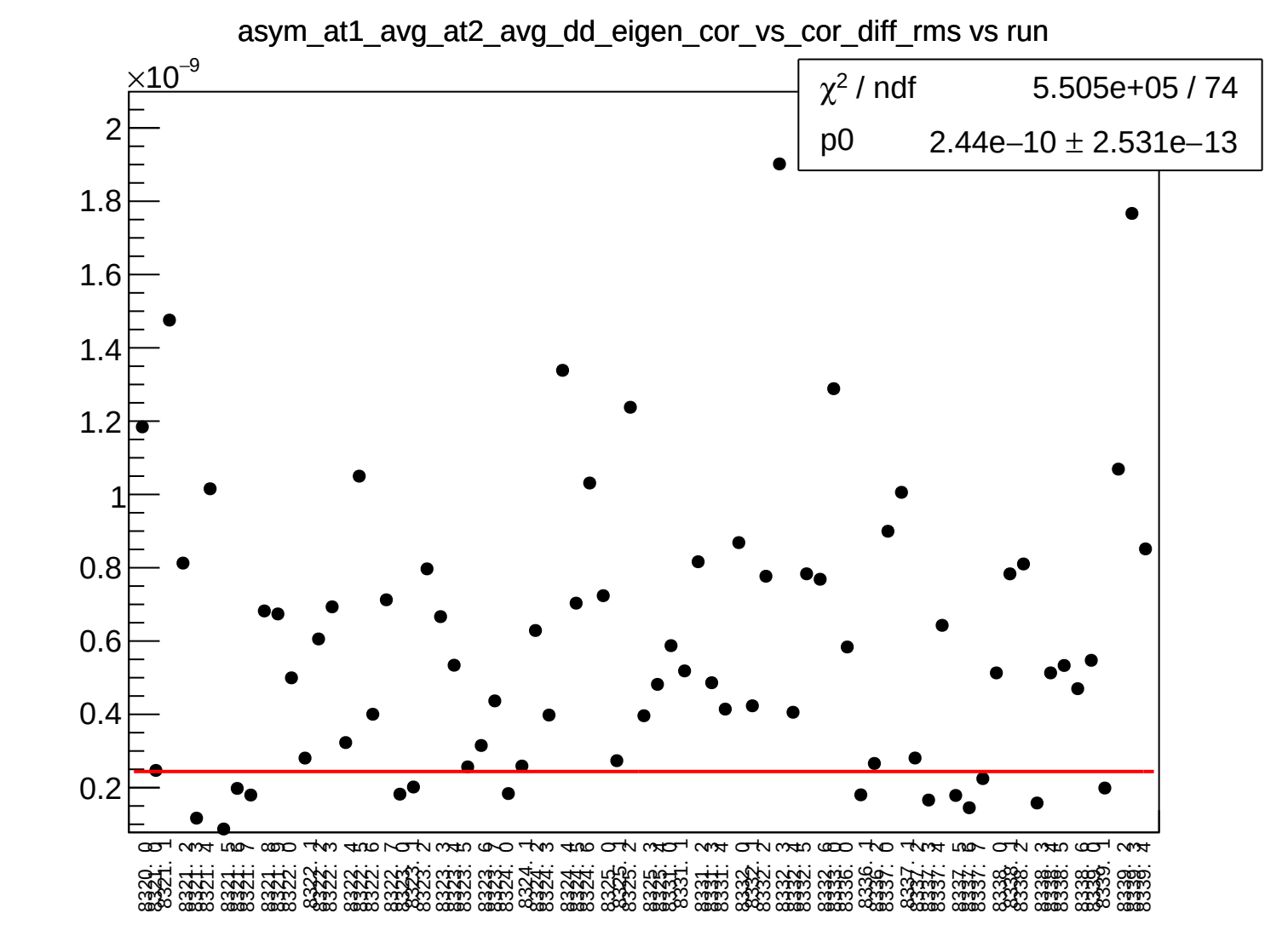

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

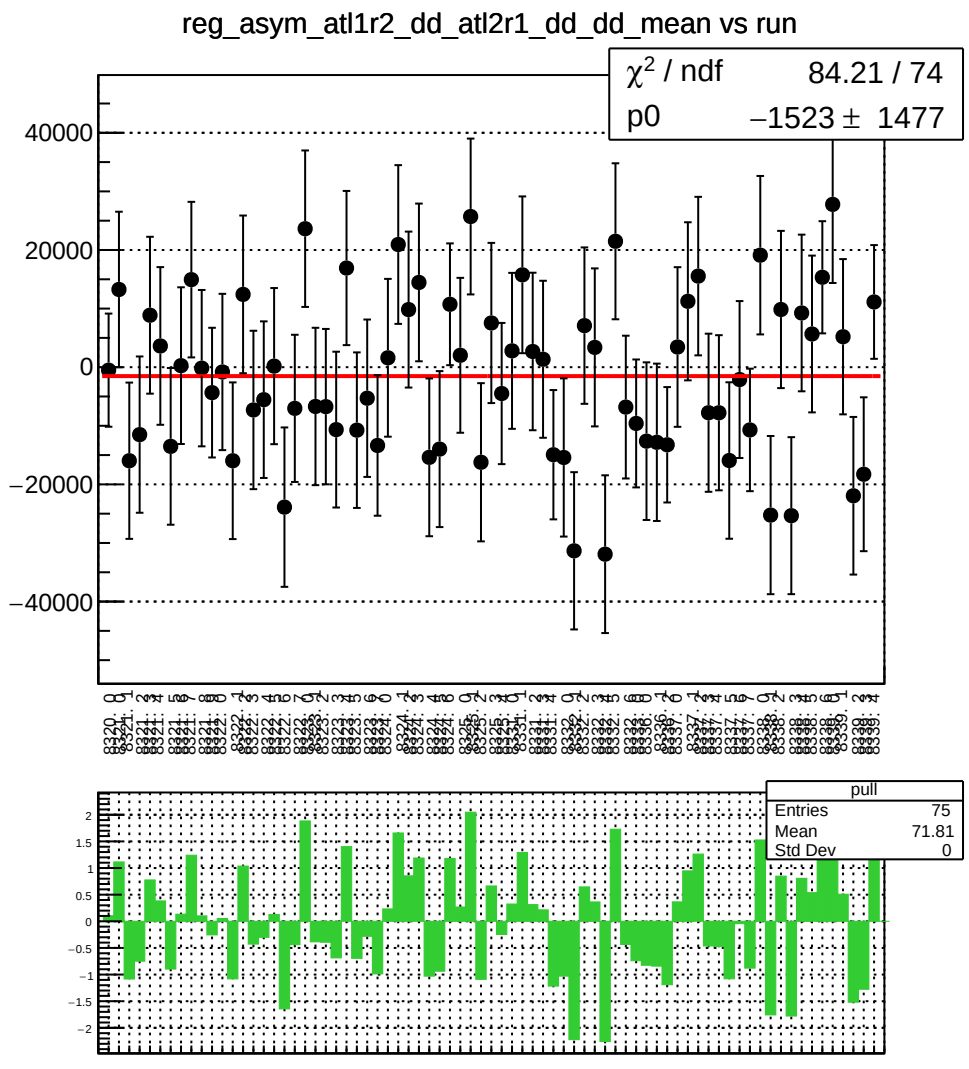

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05718 ± 0.1339
pull
Entries 75
Mean 57.22
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

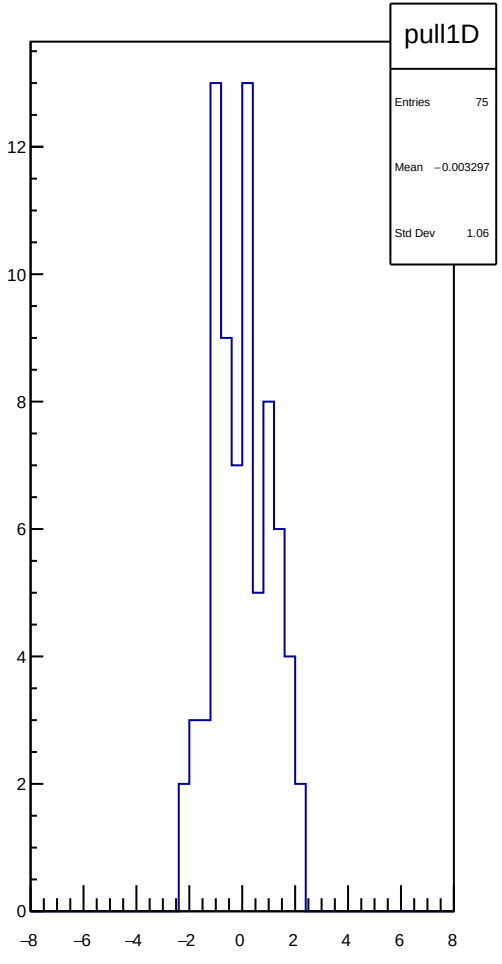

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

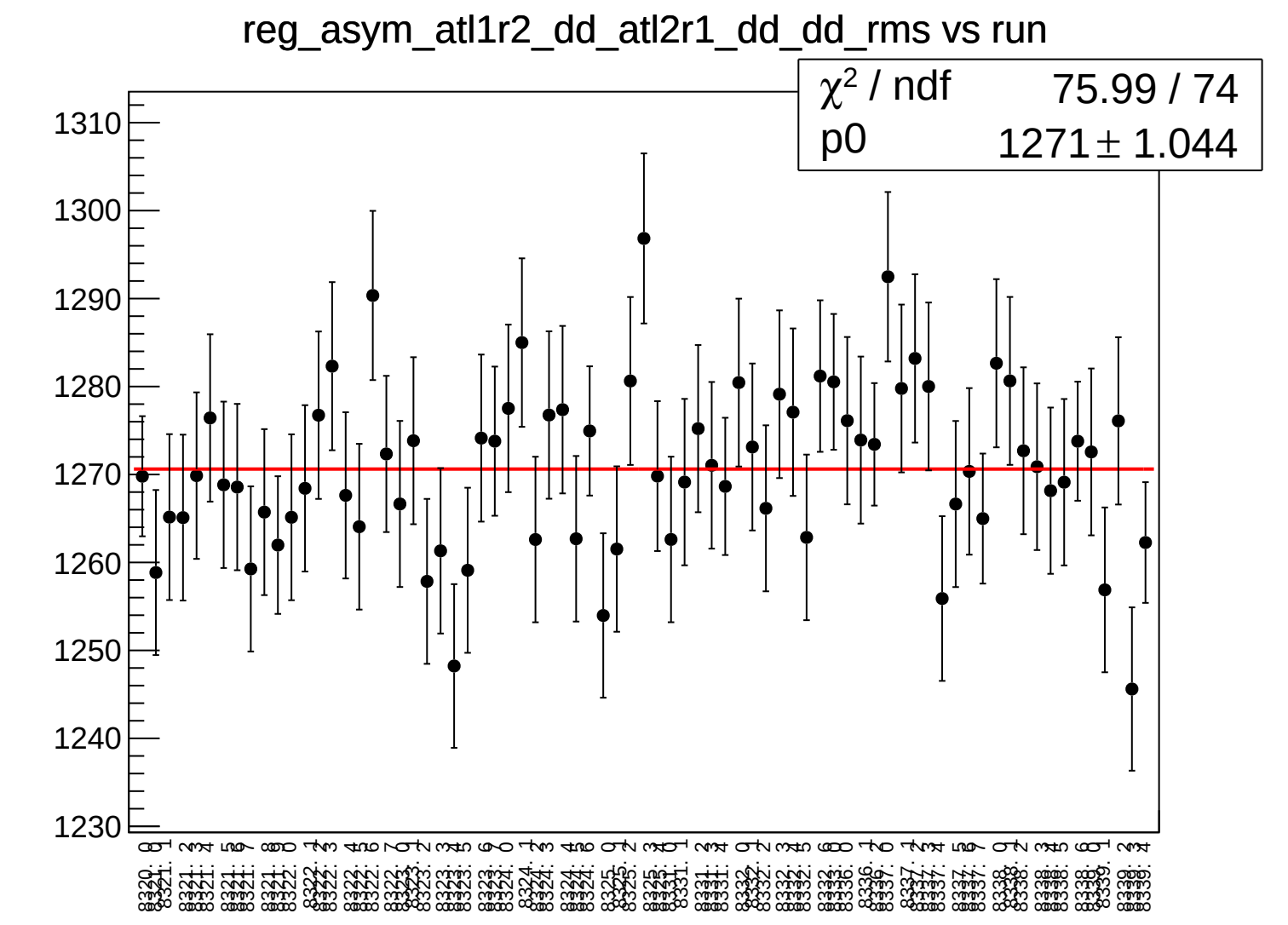

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.17 / 74
p0 −1.953e−13 ± 3.579e−13
pull
Entries 75
Mean 32.2
Std Dev 15.2

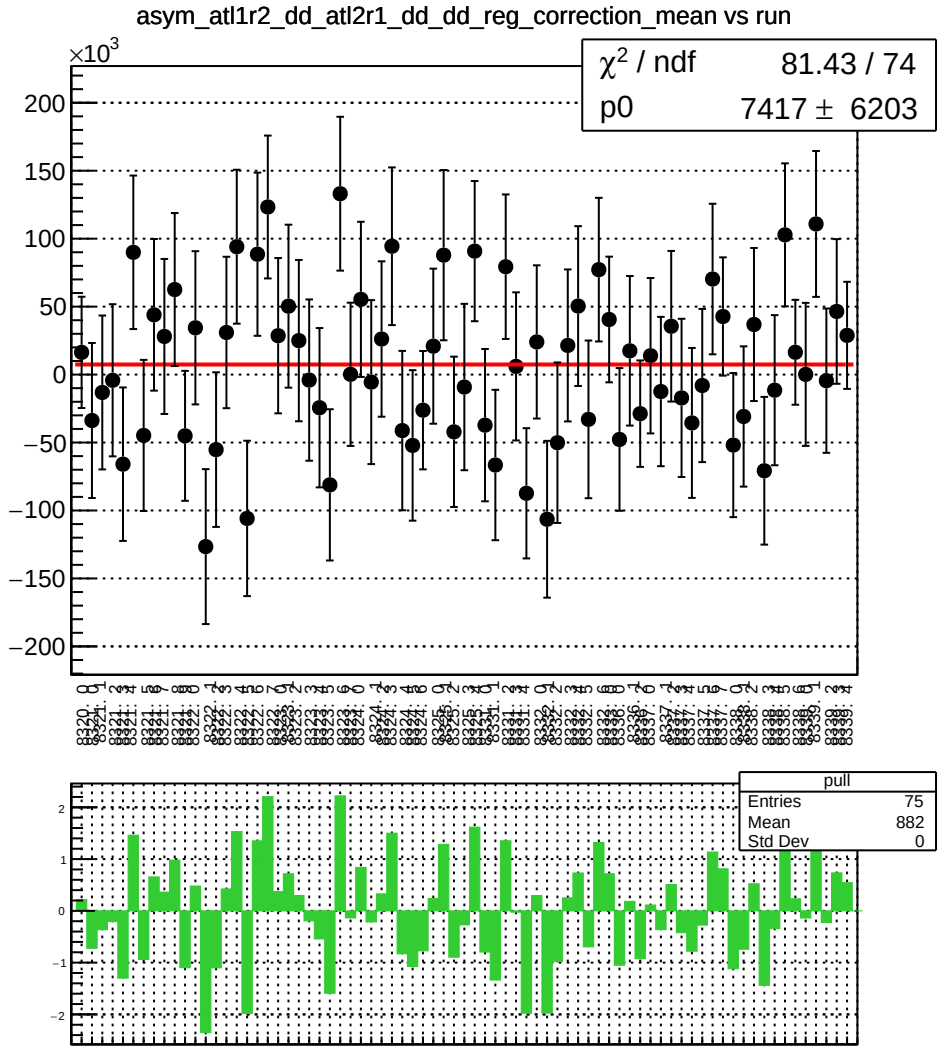

pull1D
Entries 75
Mean −0.1393
Std Dev 0.9981

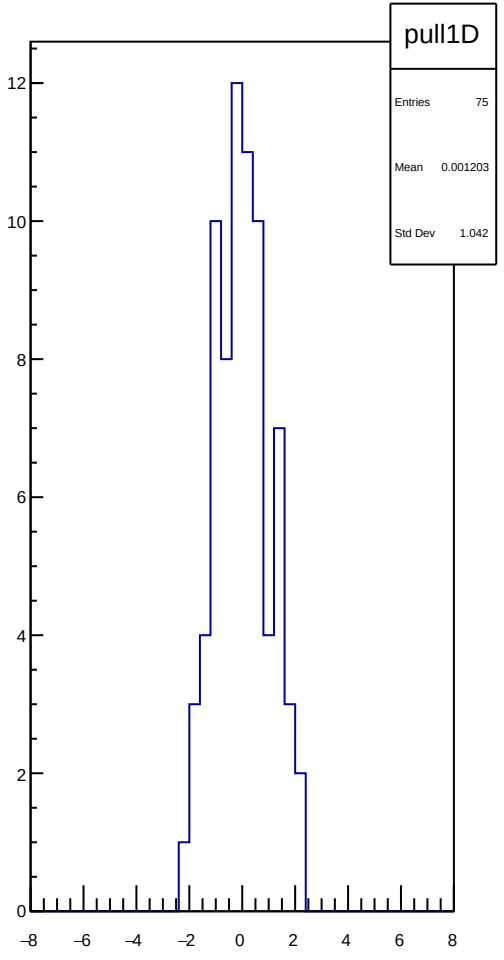

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.505e+05 / 74
p0 2.44e−10 ± 2.531e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

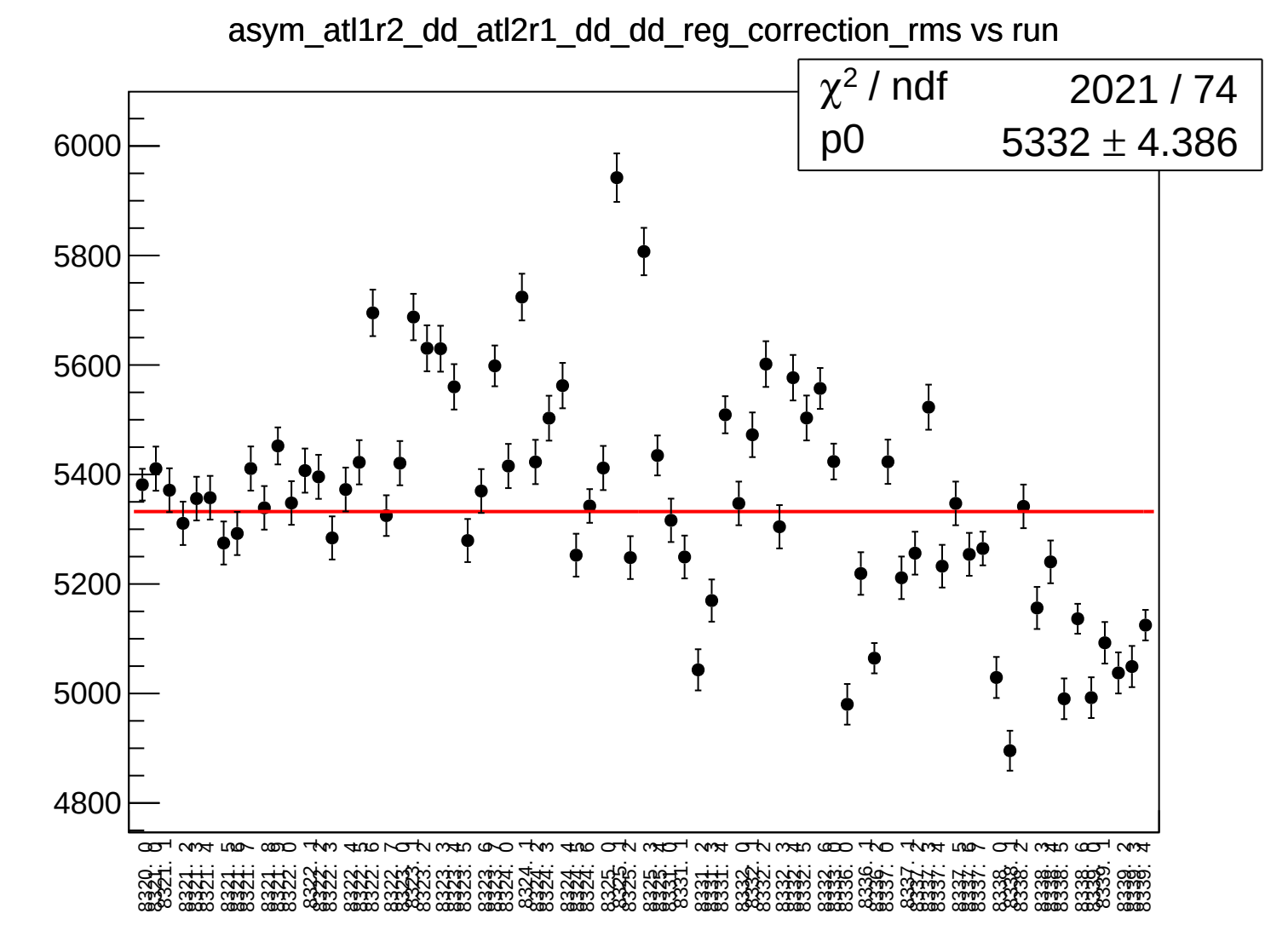

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 84.21 / 74
p0 −1523 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.81
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

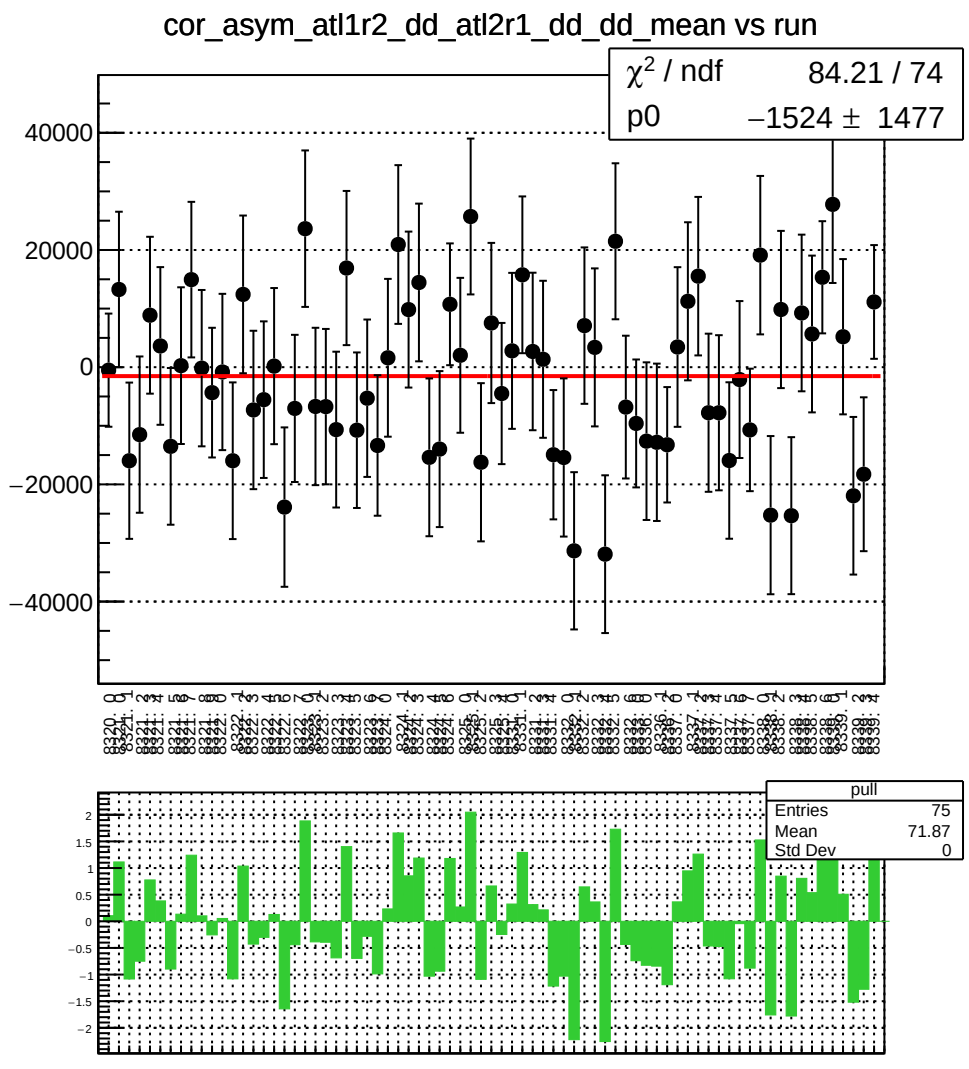

pull1D
Entries 75
Mean −0.003297
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

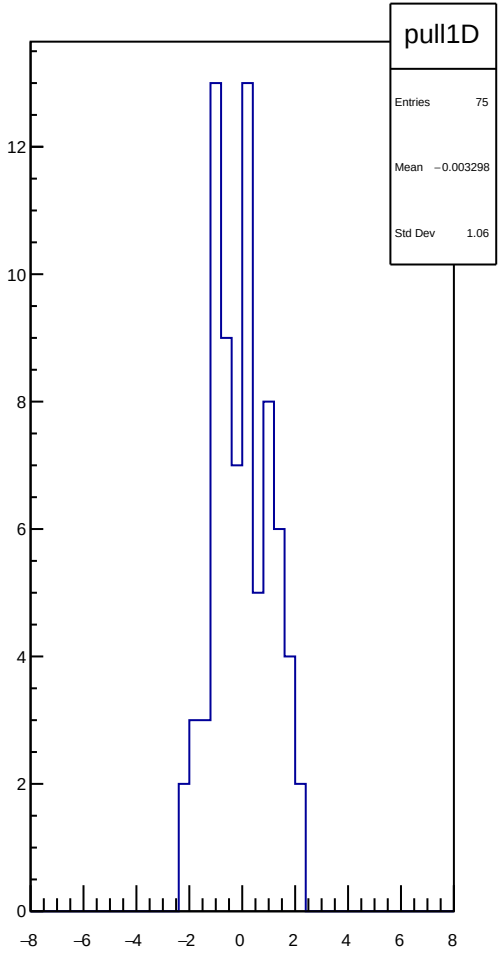

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

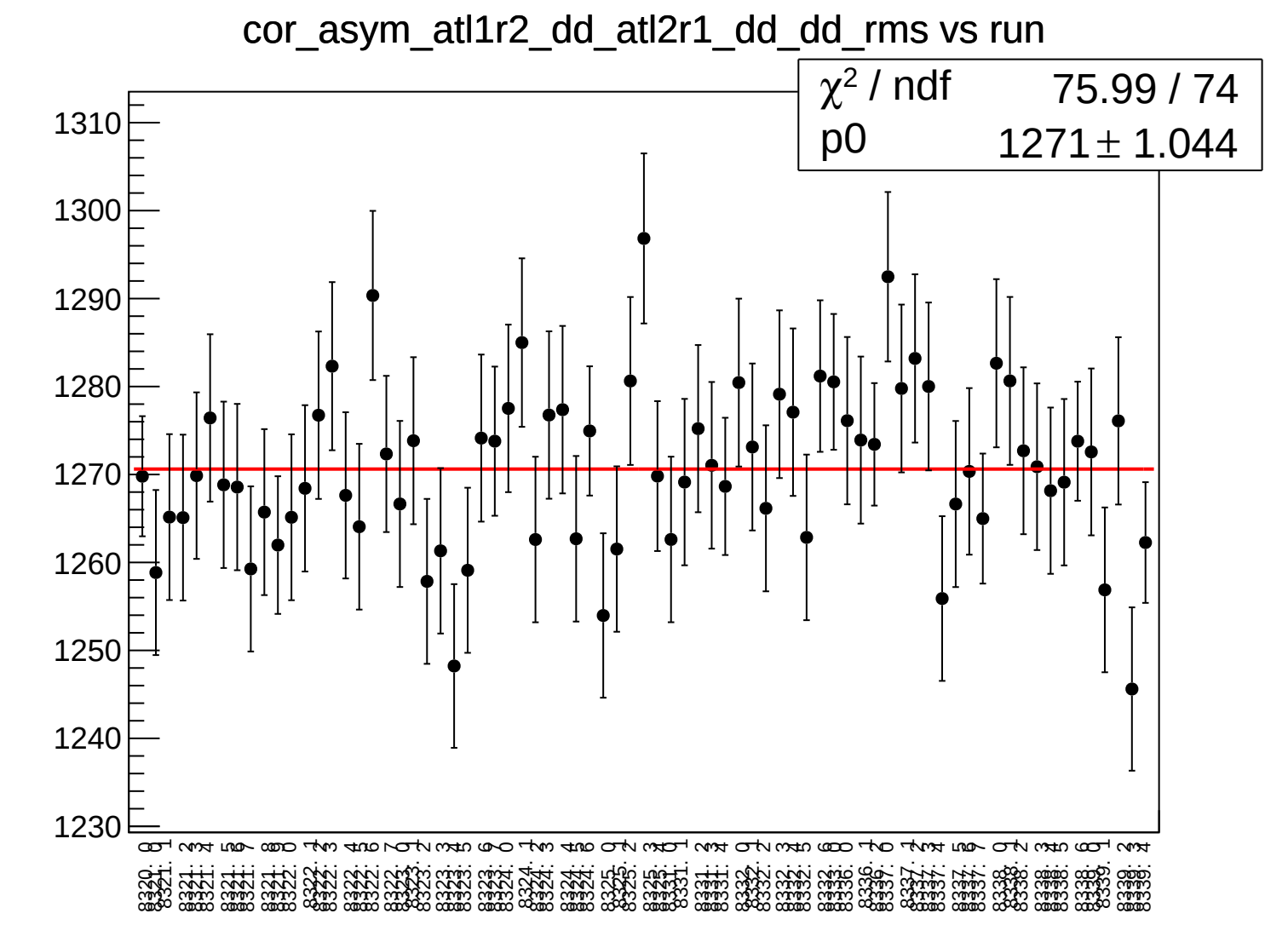

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 882
Std Dev 0

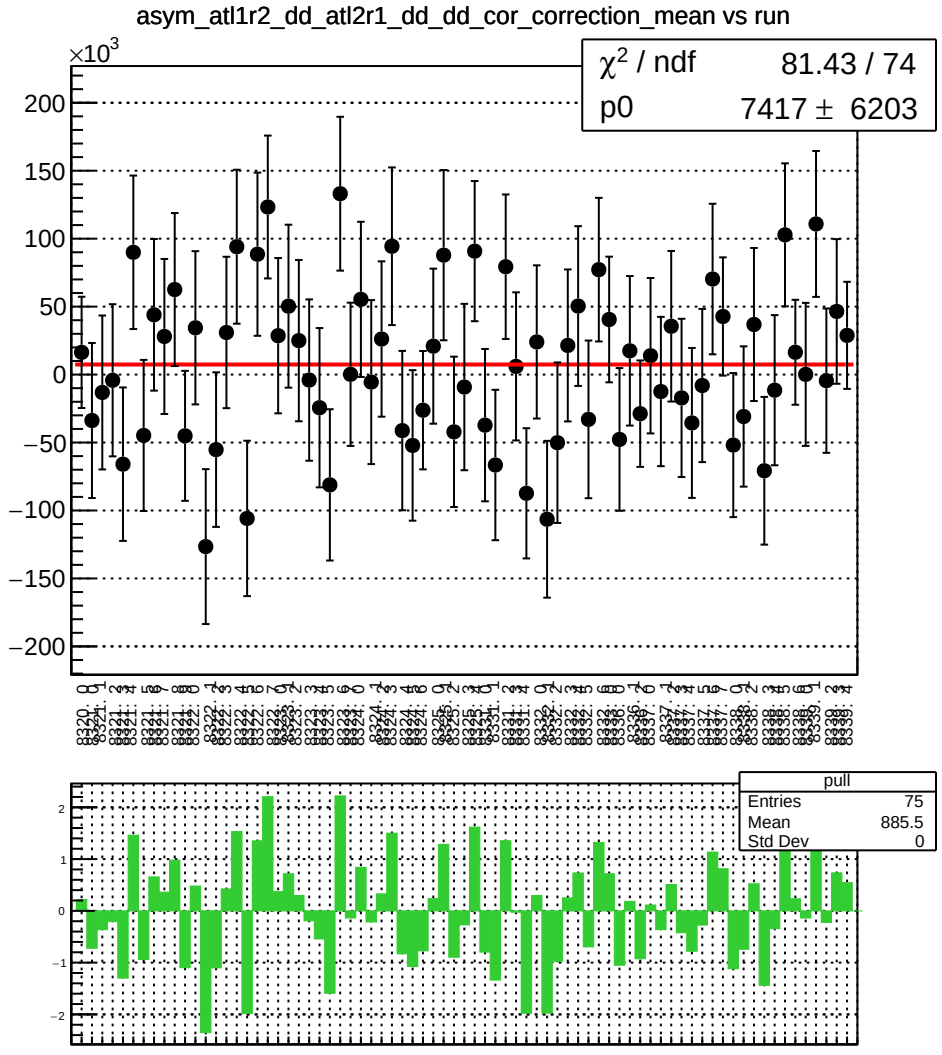

pull1D
Entries 75
Mean 0.001203
Std Dev 1.042

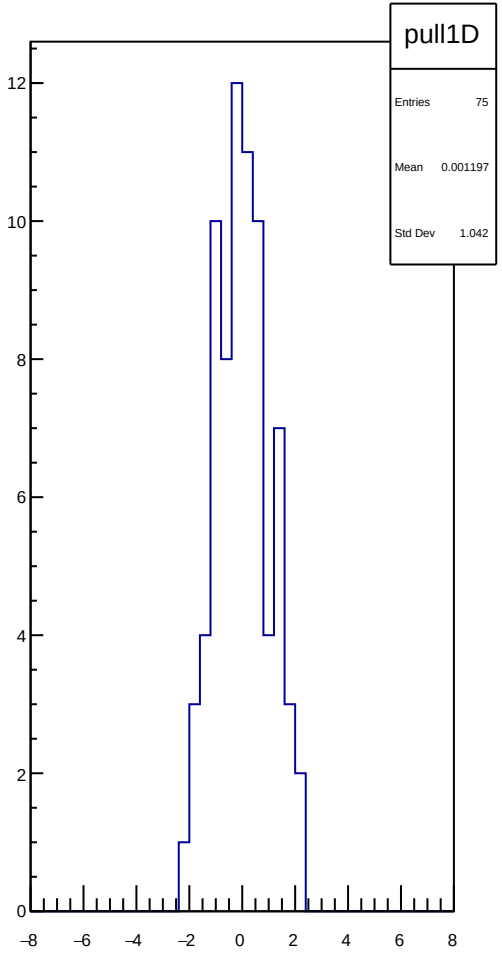

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

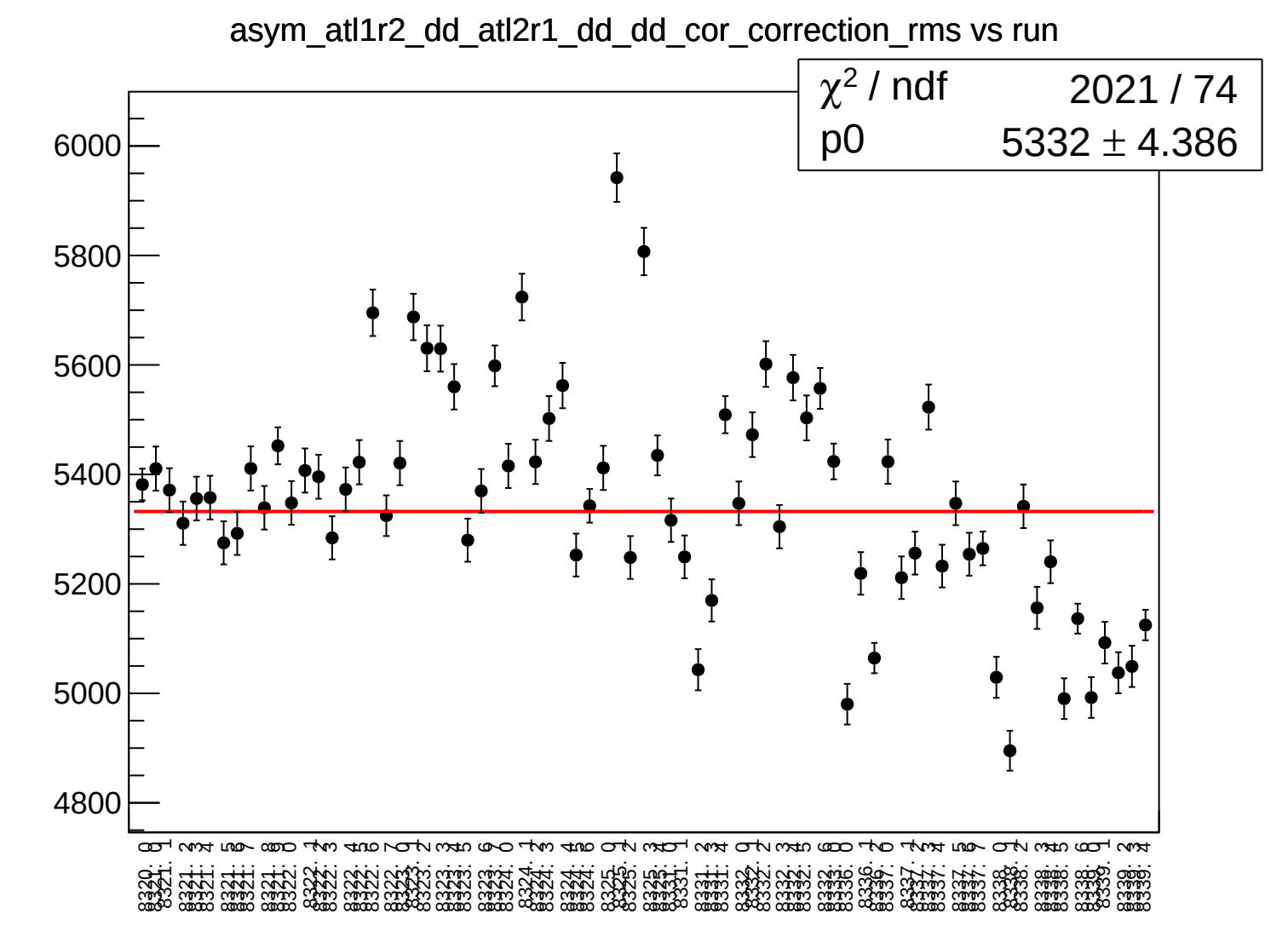

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 84.21 / 74
p0 −1524 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

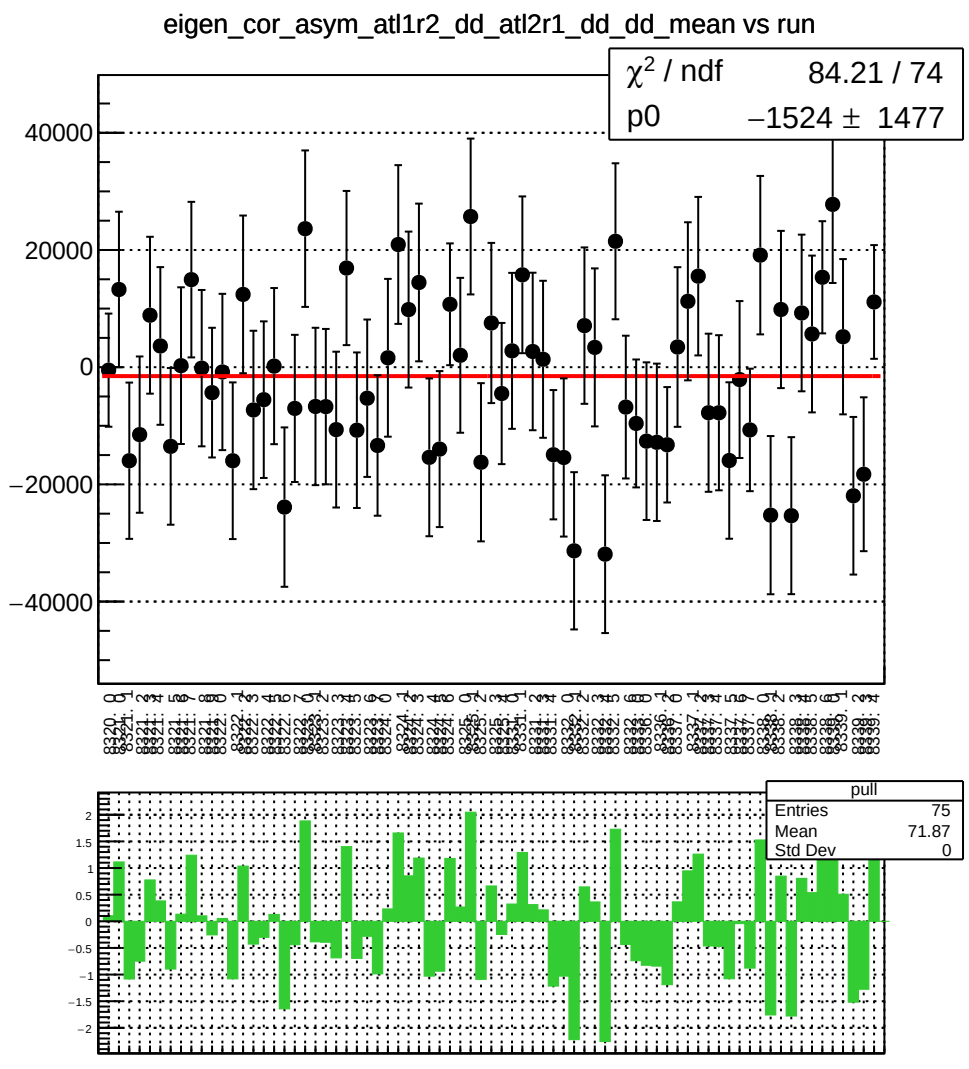

pull1D
Entries 75
Mean −0.003298
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

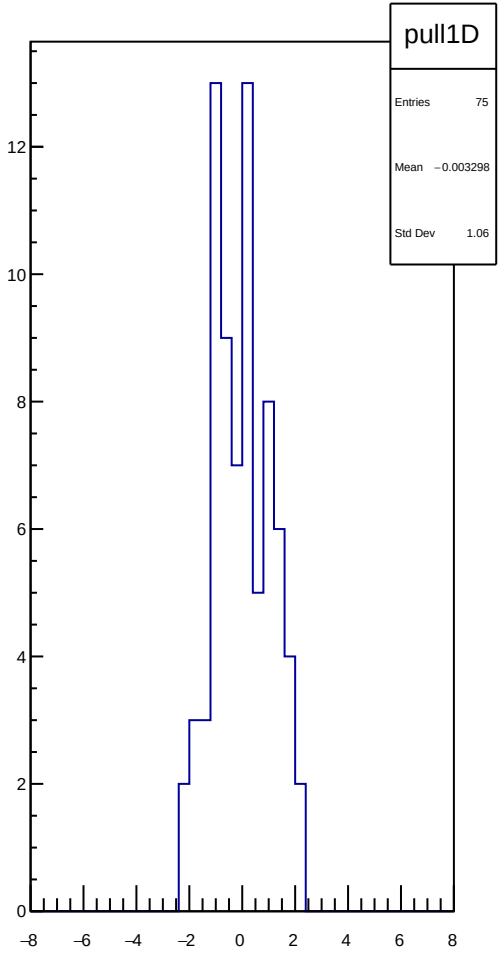

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

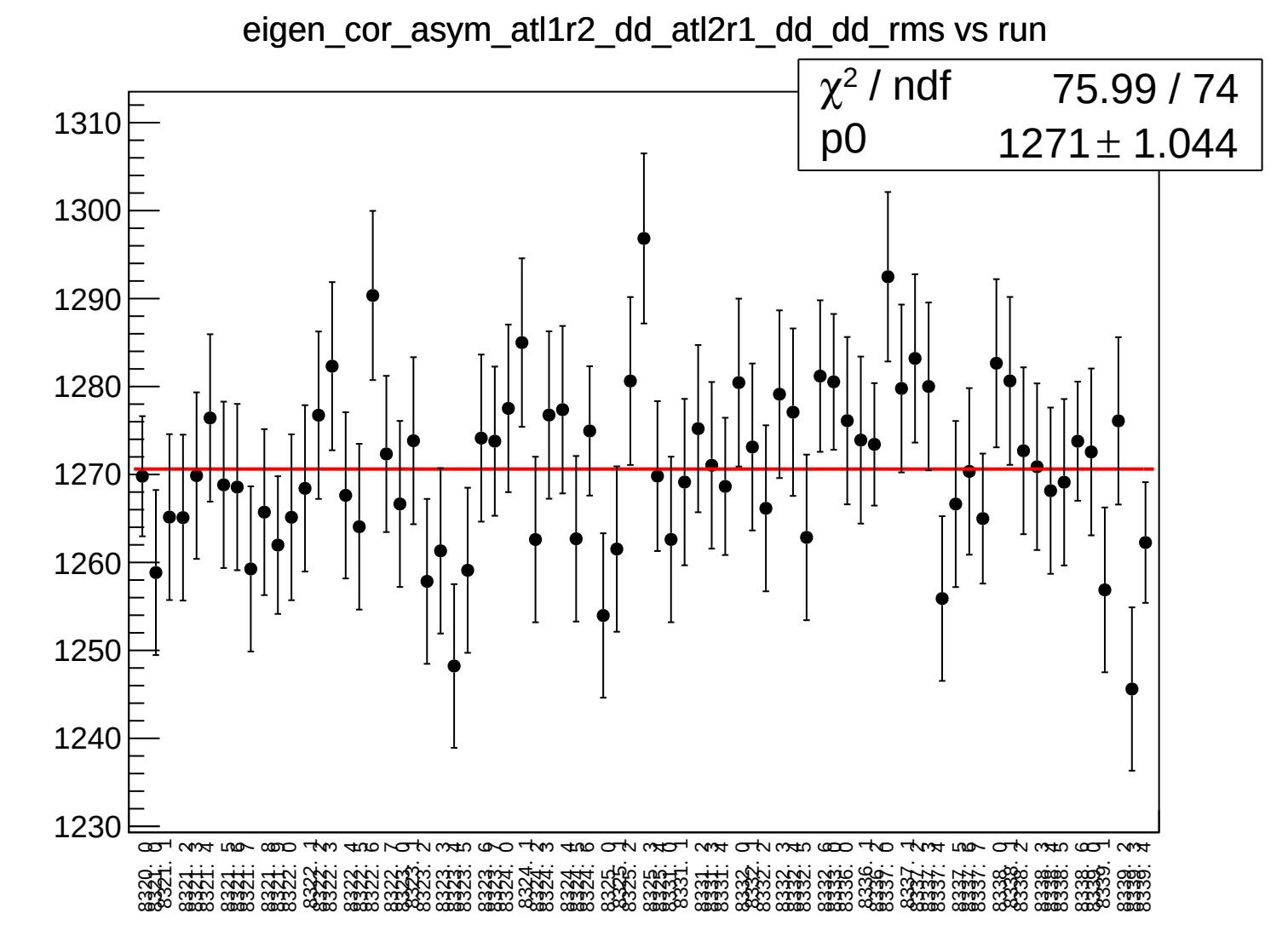

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 885.5
Std Dev 0

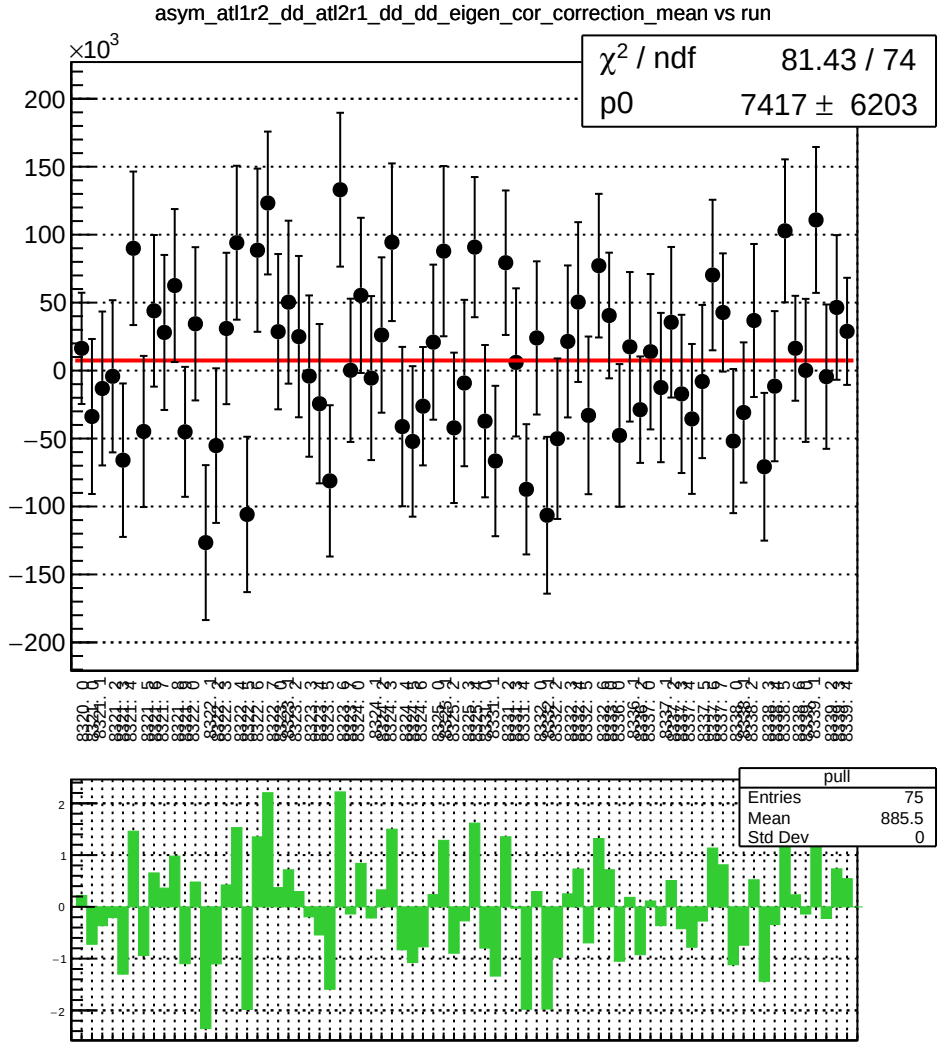

pull1D
Entries 75
Mean 0.001197
Std Dev 1.042

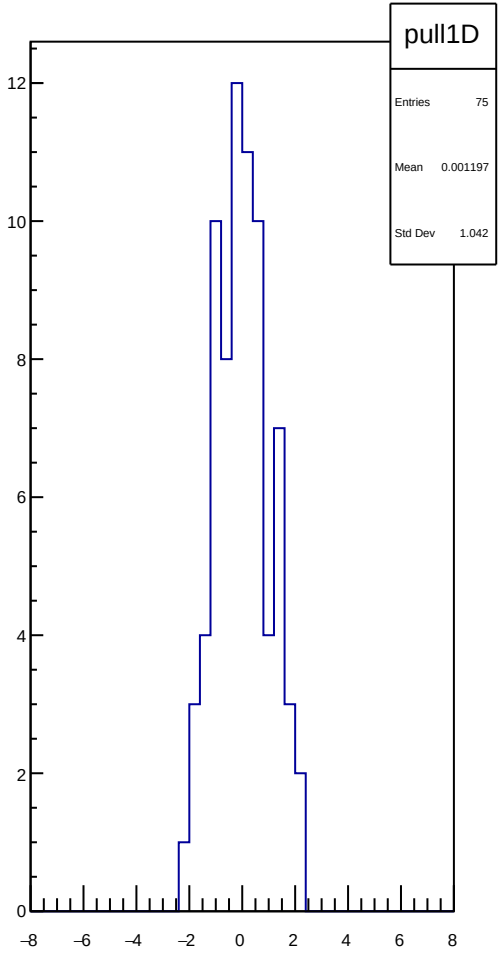

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

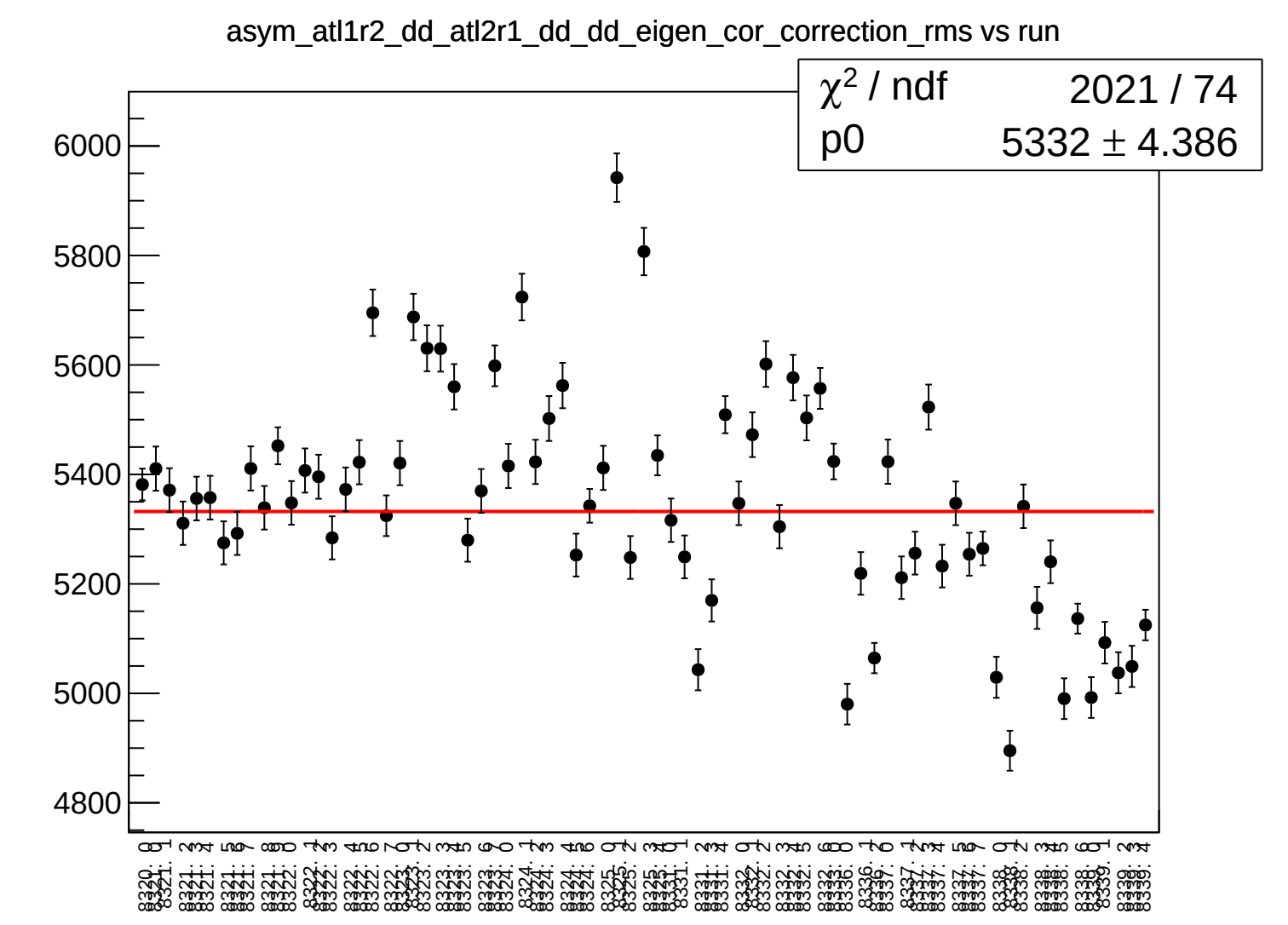

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 84.21 / 74
p0 −1524 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 71.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

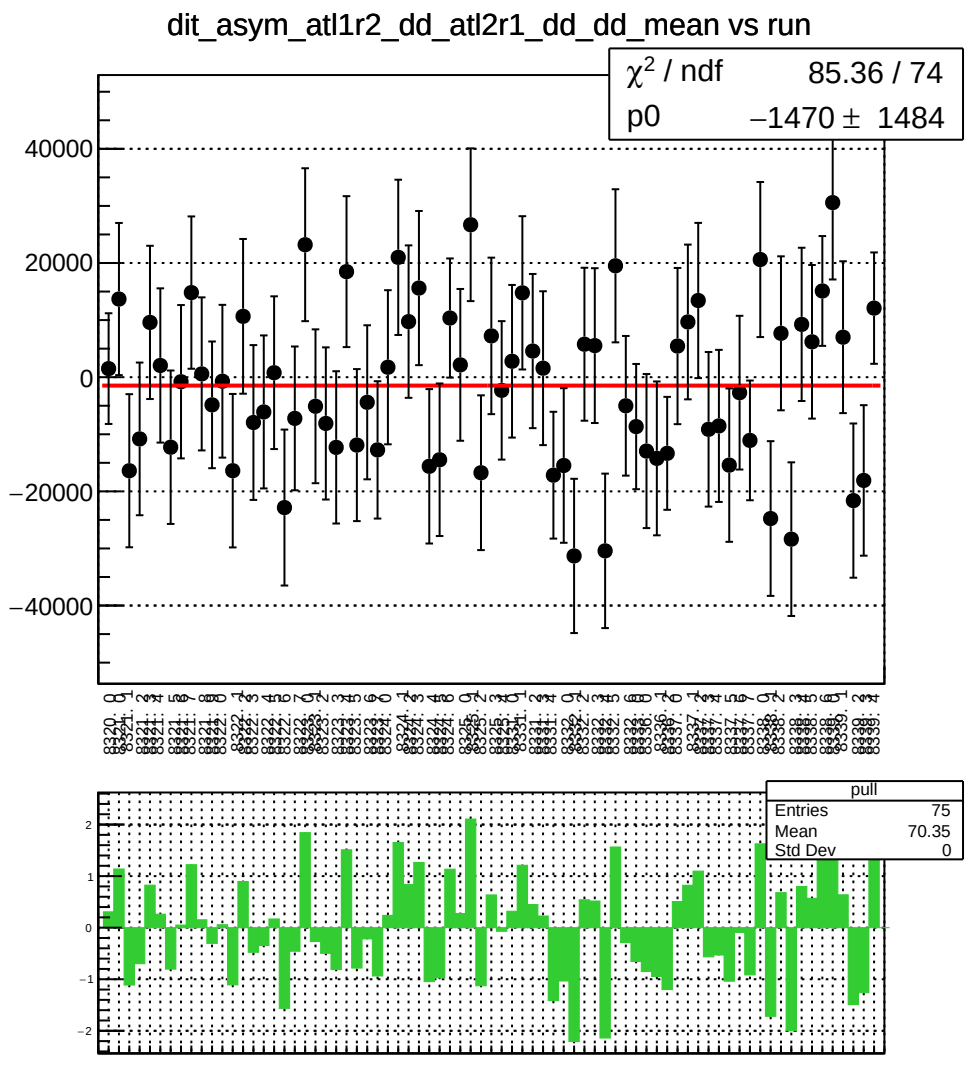

pull1D
Entries 75
Mean −0.003298
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

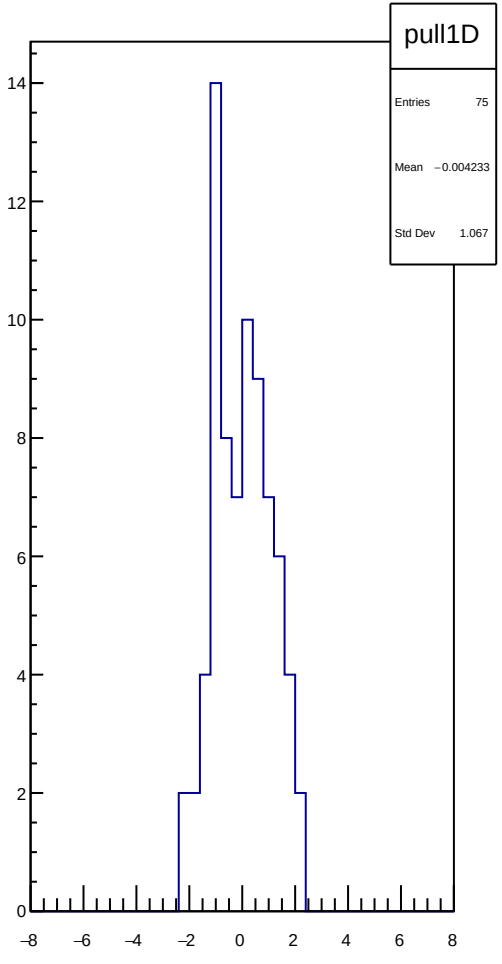

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 75.99 / 74
p0 1271 ± 1.044
1310
1300
1290
1280
1270
1260
1250
1240
1230

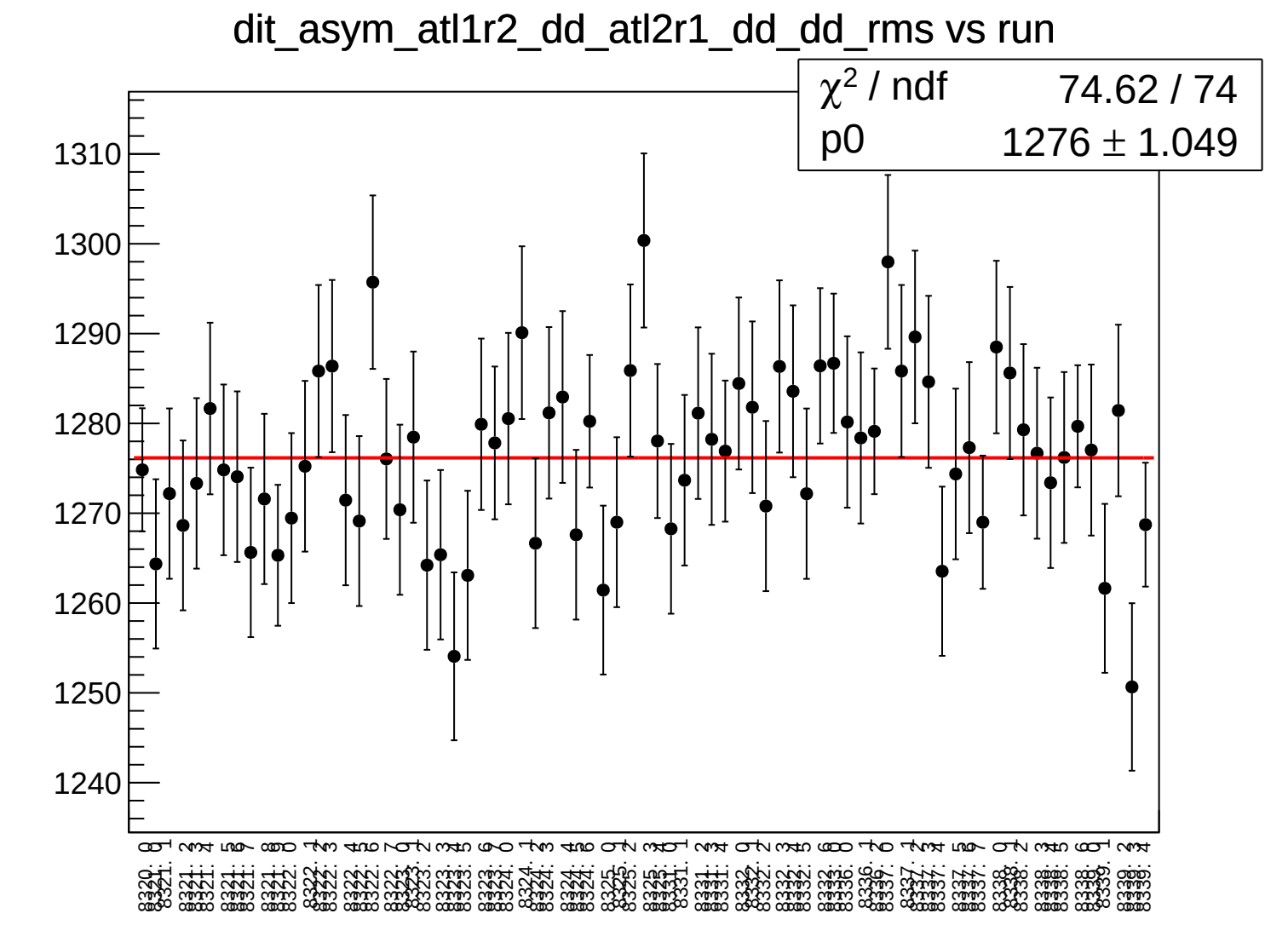

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.43 / 74
p0 7417 ± 6203
pull
Entries 75
Mean 885.5
Std Dev 0

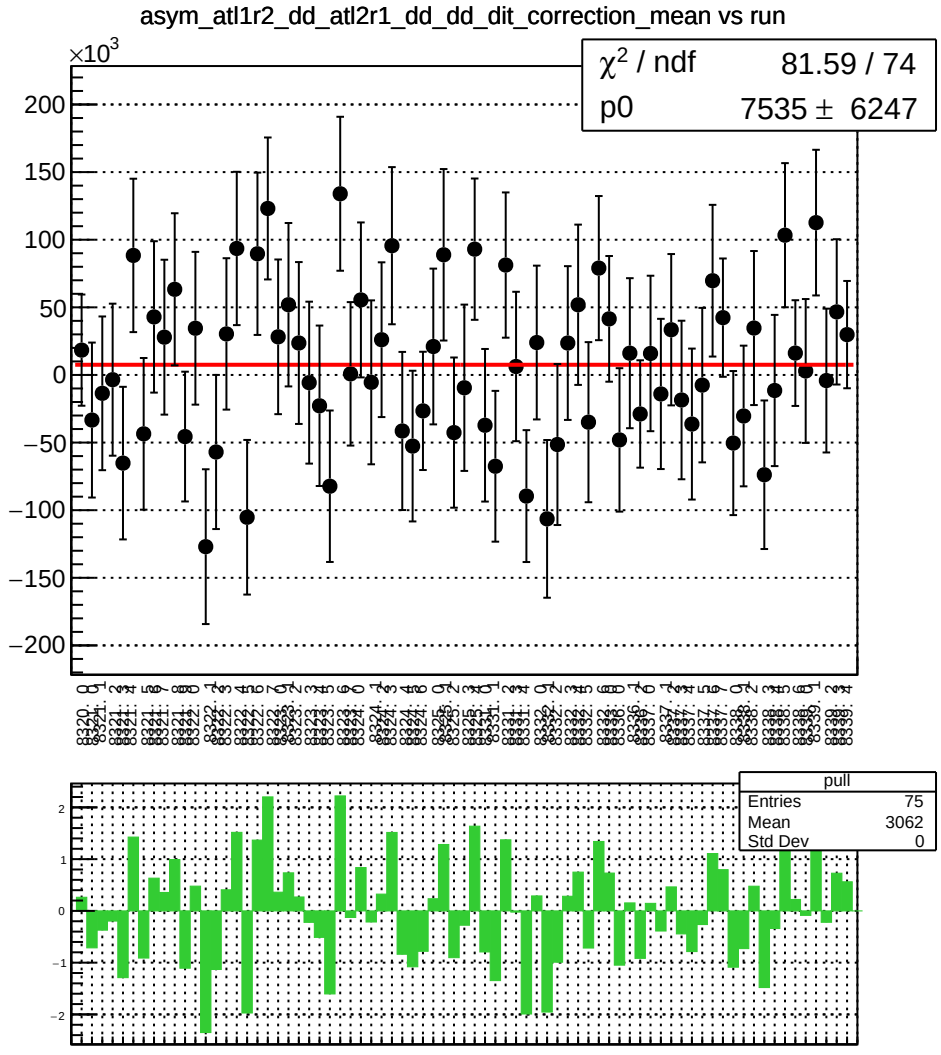

pull1D
Entries 75
Mean 0.001197
Std Dev 1.042

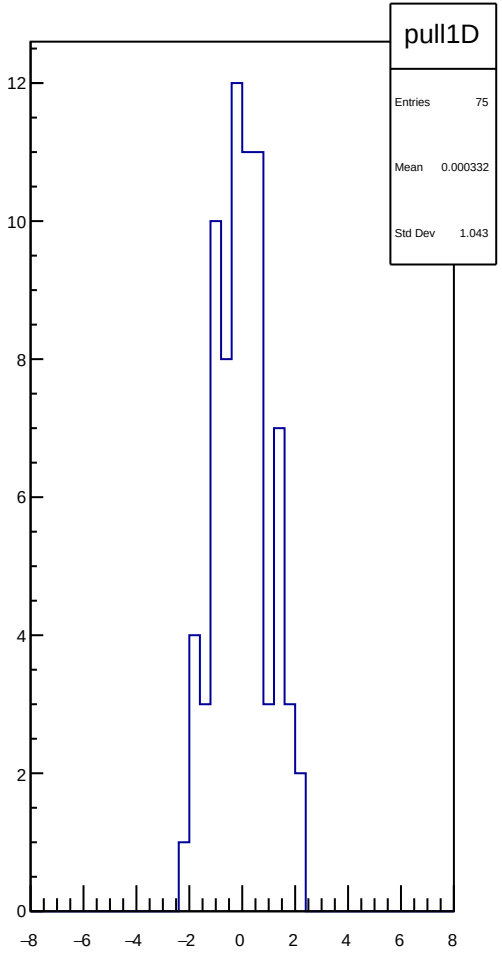

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2021 / 74
p0 5332 ± 4.386
6000
5800
5600
5400
5200
5000
4800

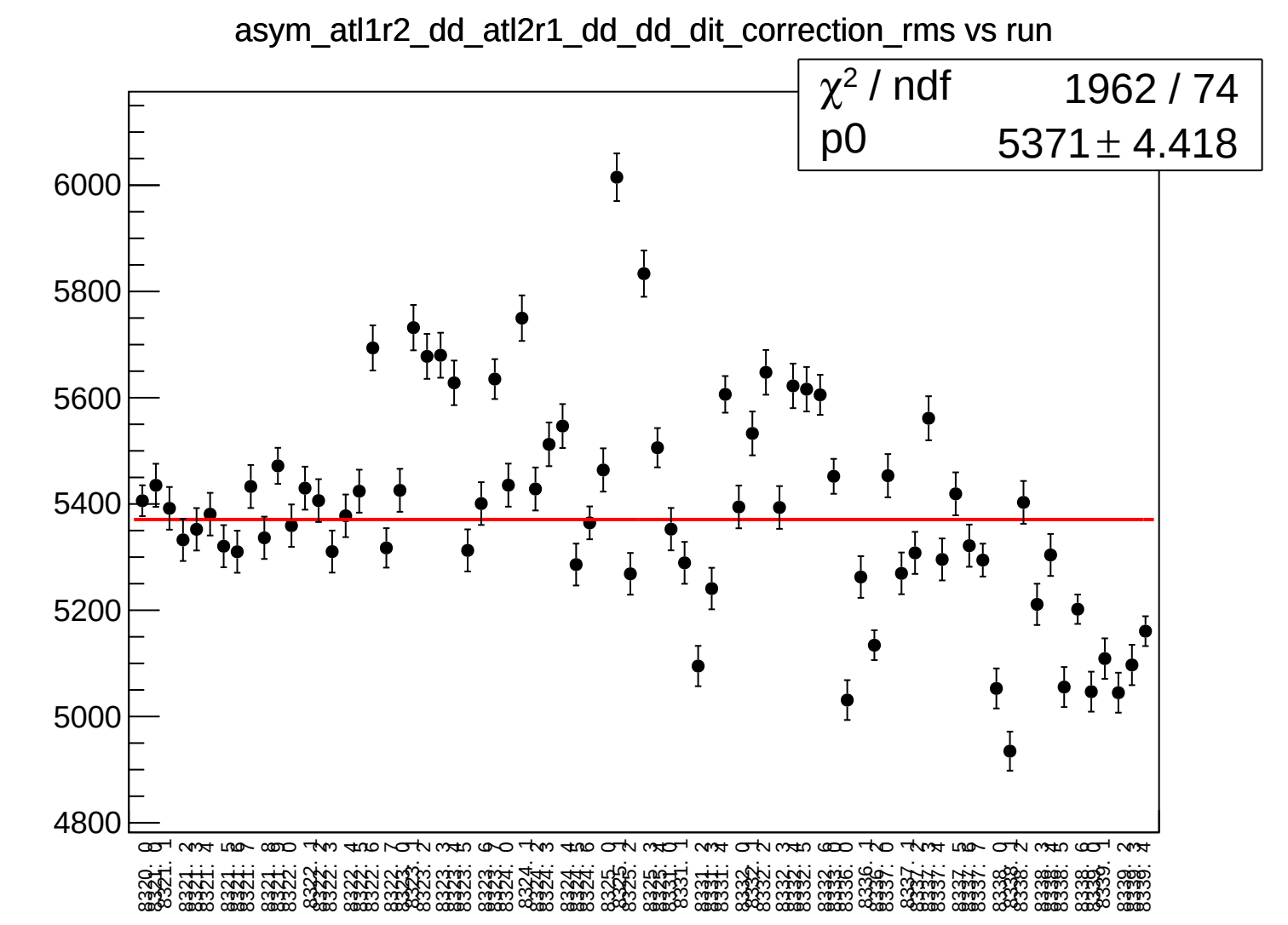

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 85.36 / 74
p0 −1470 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 70.35
Std Dev 0
2
1
0
−1
−2

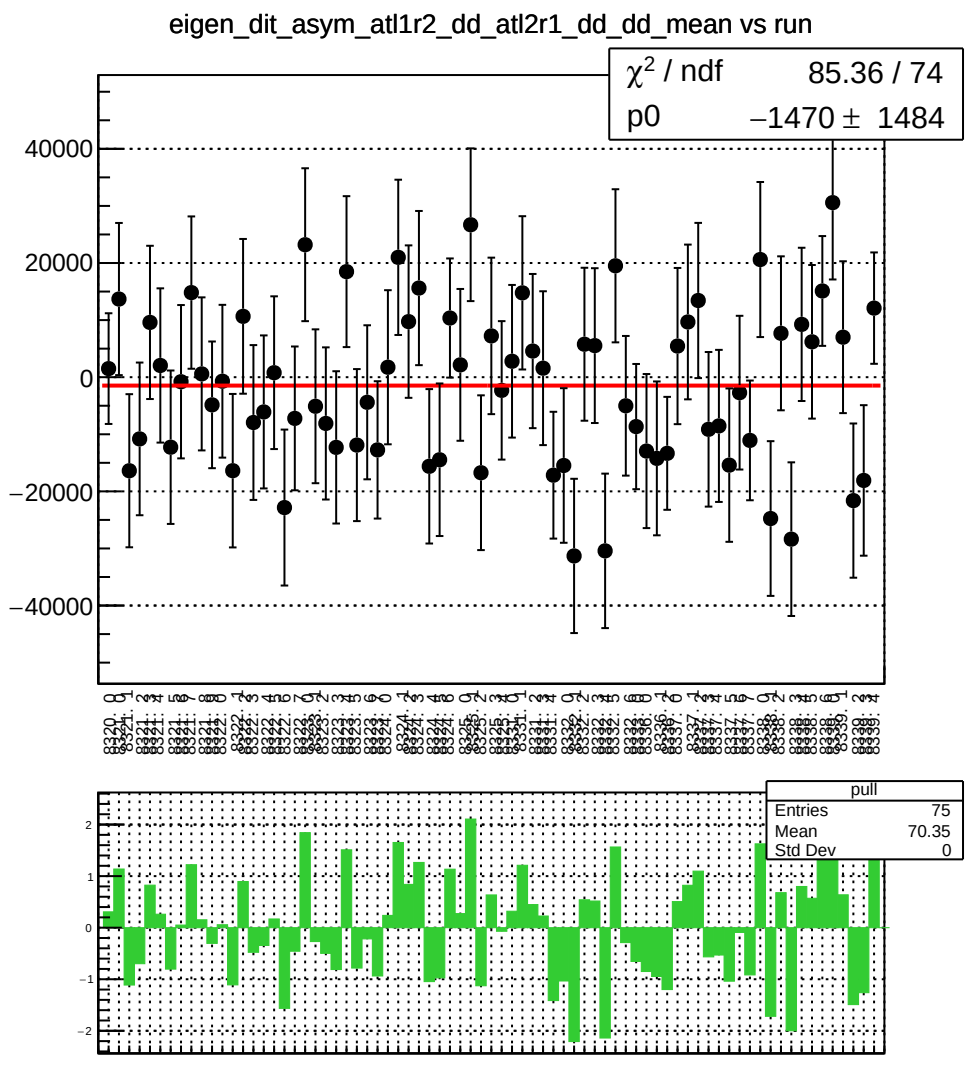

pull1D
Entries 75
Mean −0.004233
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

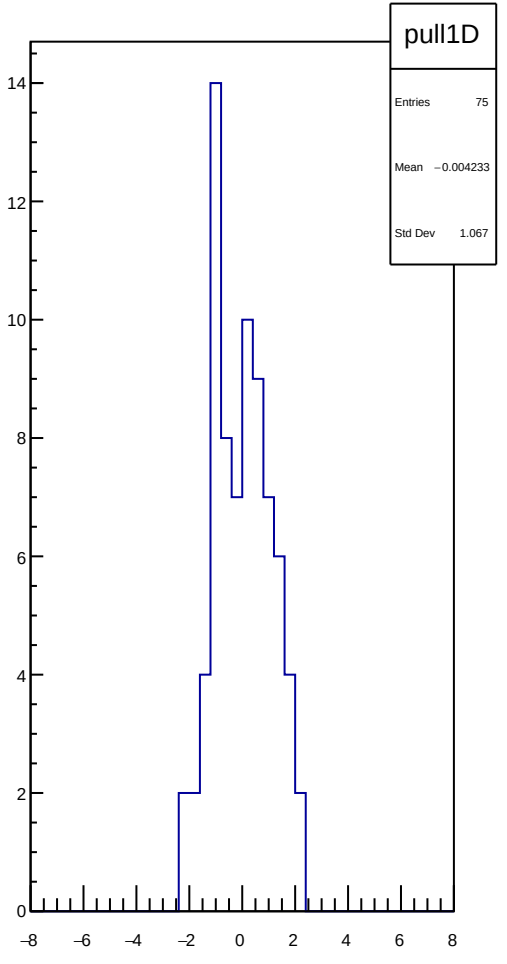

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 74.62 / 74
p0 1276 ± 1.049
1310
1300
1290
1280
1270
1260
1250
1240

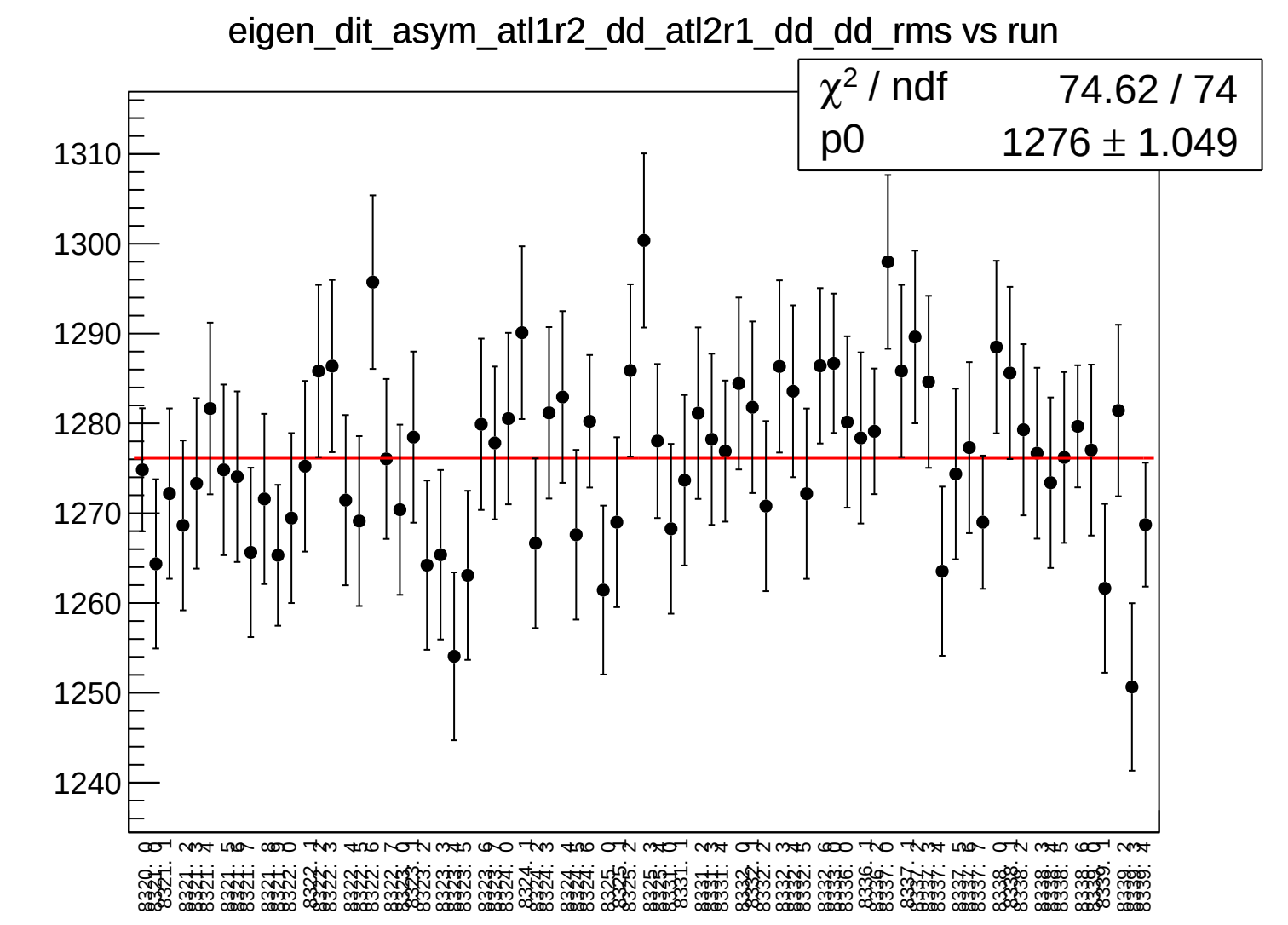

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.59 / 74
p0 7535 ± 6247
pull
Entries 75
Mean 3062
Std Dev 0

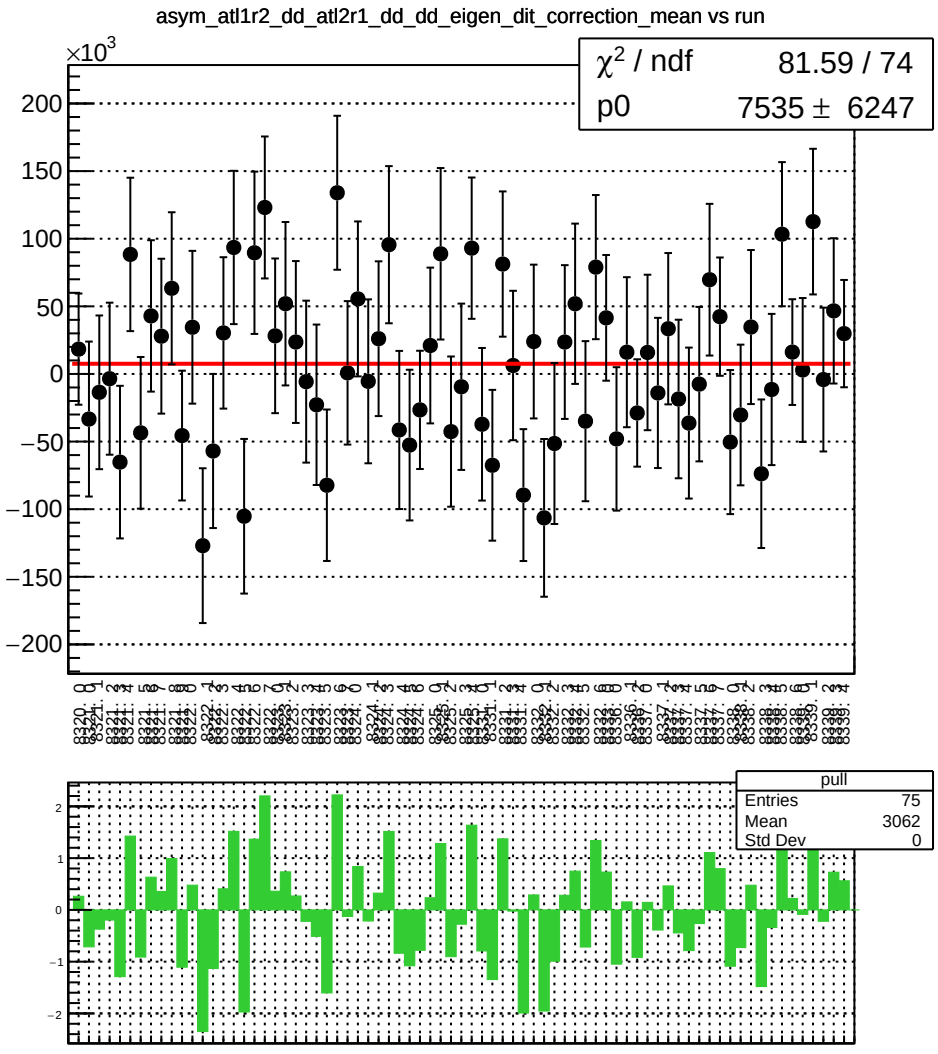

pull1D
Entries 75
Mean 0.000332
Std Dev 1.043

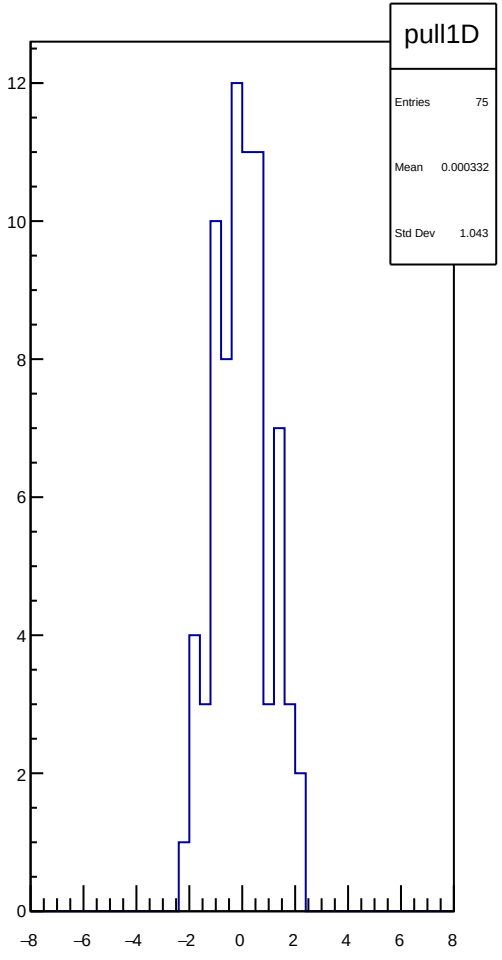

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 1962 / 74
p0 5371 ± 4.418
6000
5800
5600
5400
5200
5000
4800

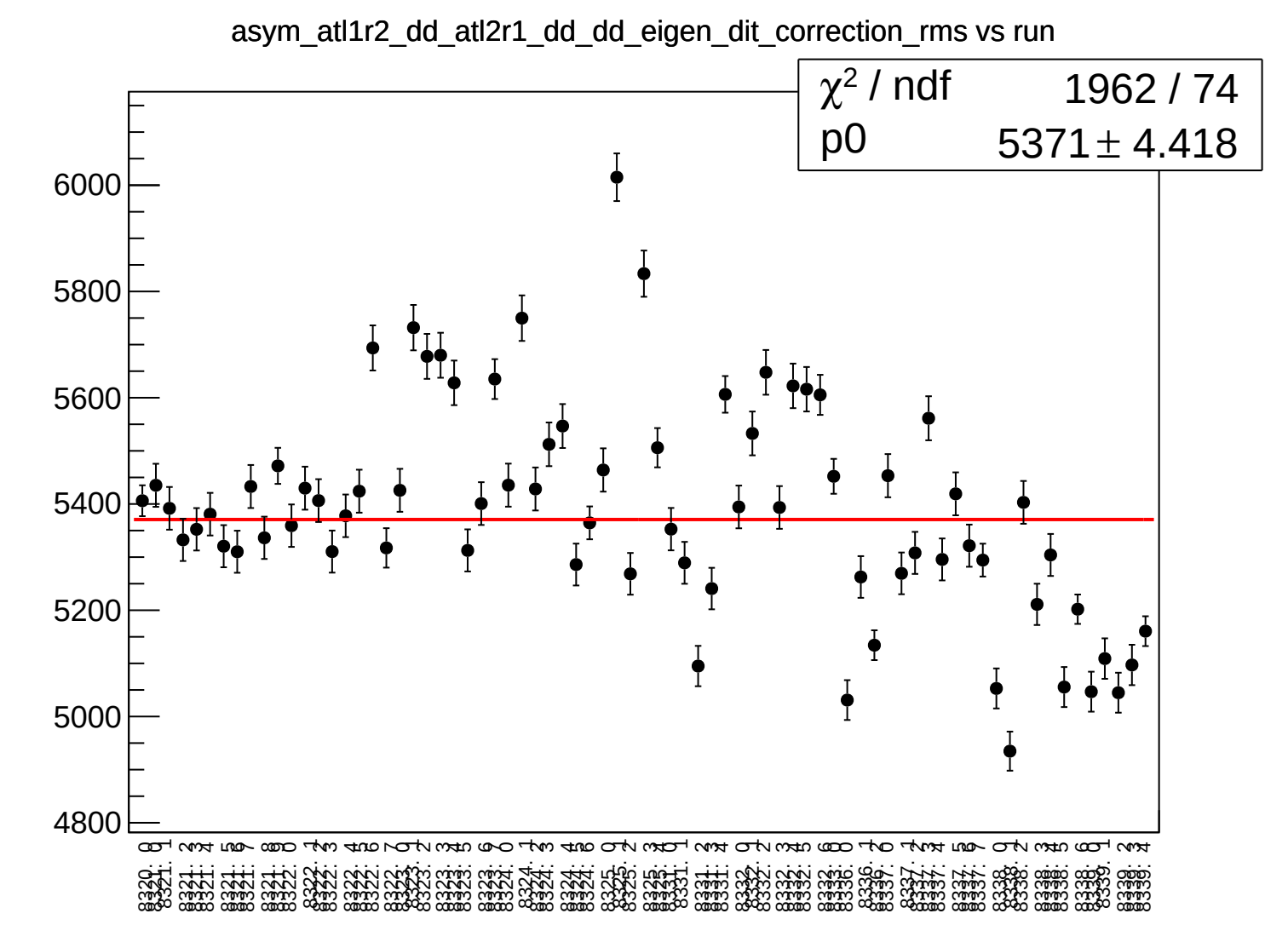

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 85.36 / 74
p0 −1470 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 70.35
Std Dev 0
2
1
0
−1
−2

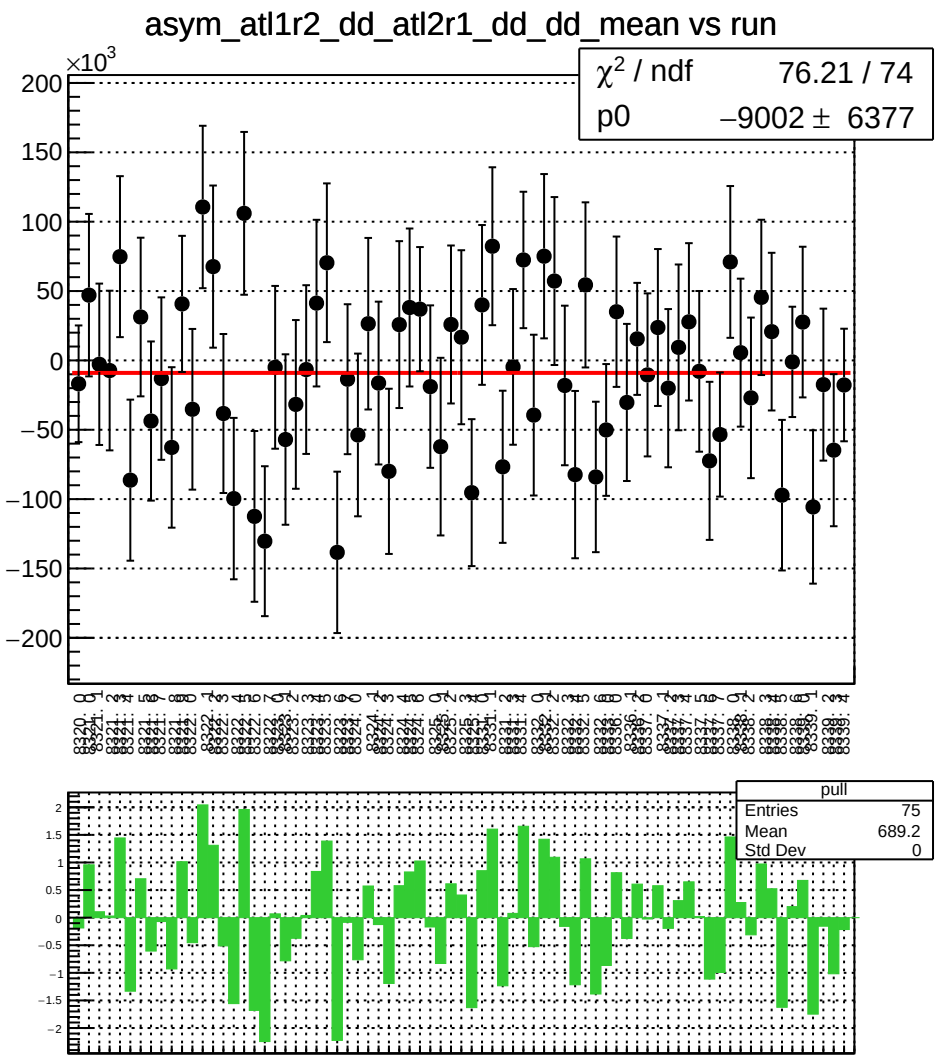

pull1D
Entries 75
Mean −0.004233
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

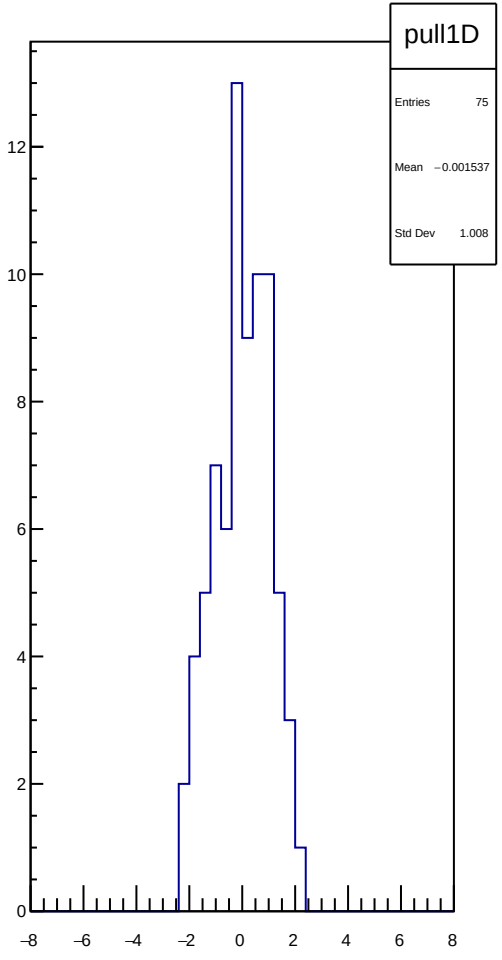

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 74.62 / 74
p0 1276 ± 1.049
1310
1300
1290
1280
1270
1260
1250
1240

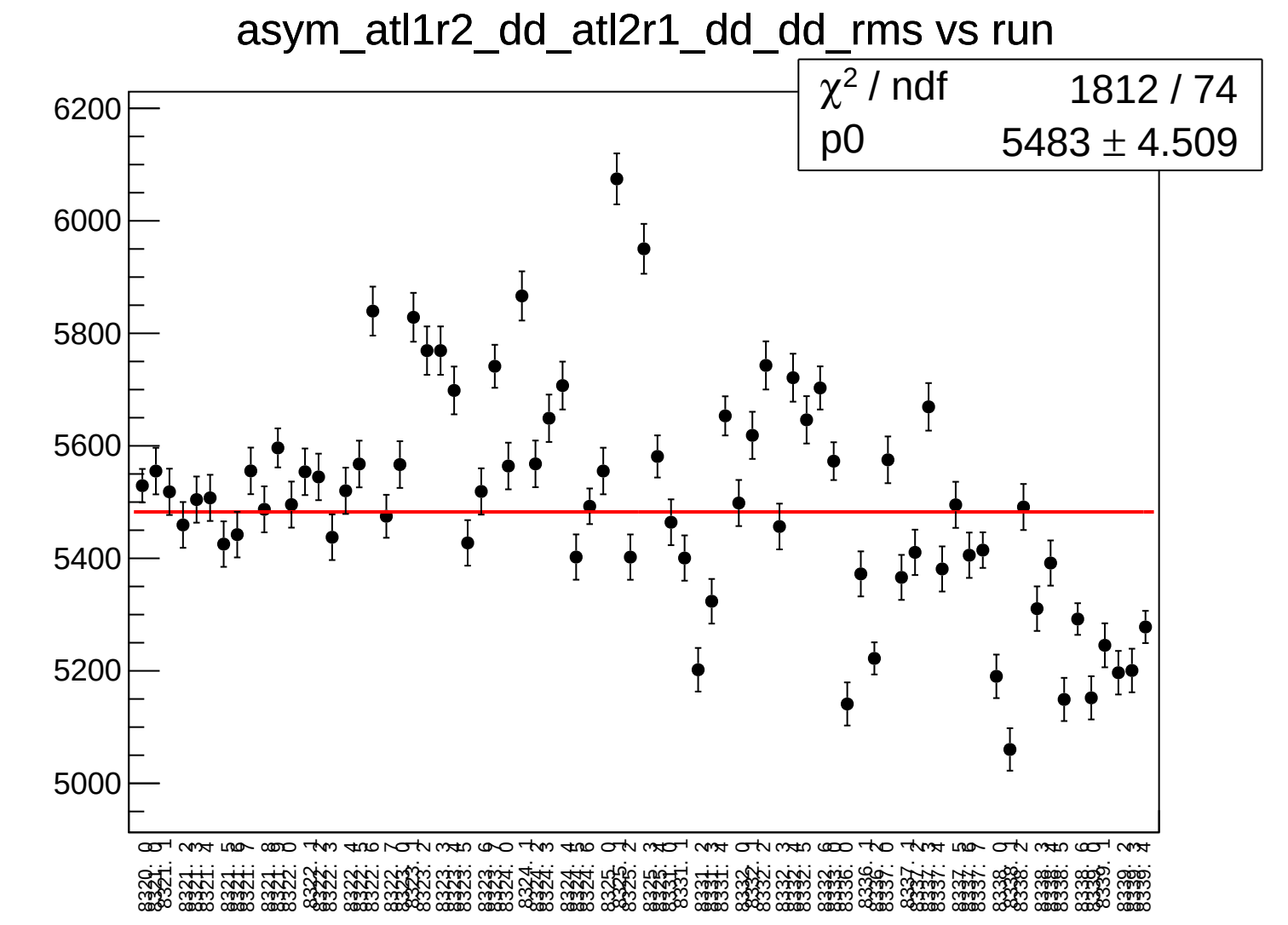

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.59 / 74
p0 7535 ± 6247
pull
Entries 75
Mean 3062
Std Dev 0

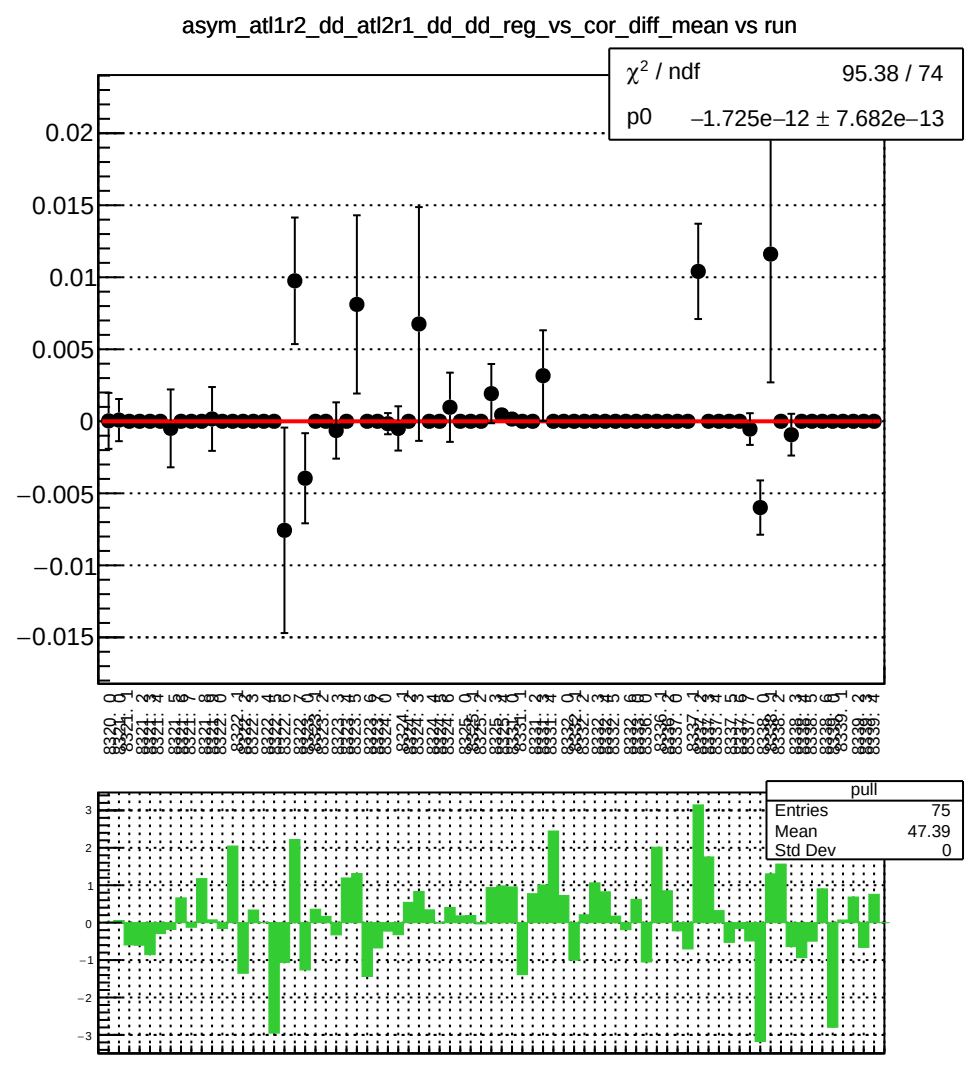

pull1D
Entries 75
Mean 0.000332
Std Dev 1.043

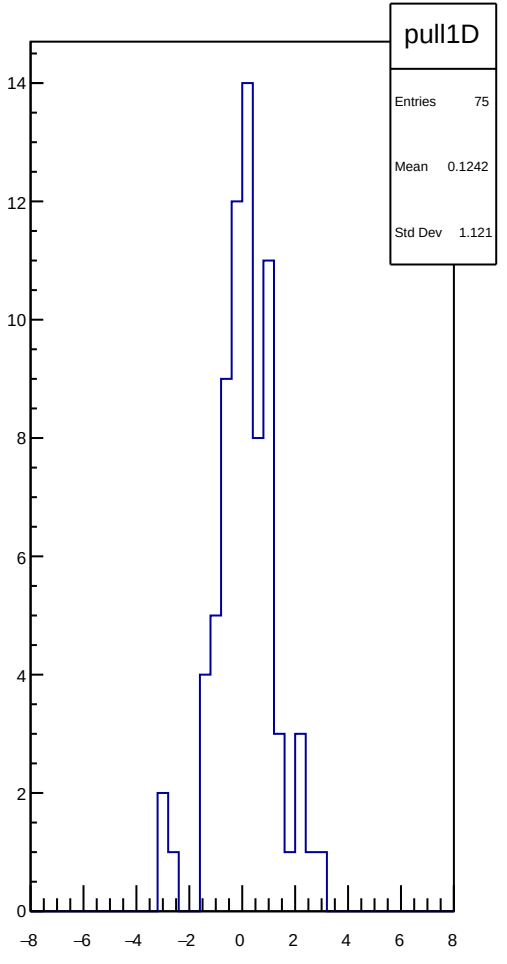

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1962 / 74
p0 5371 ± 4.418
6000
5800
5600
5400
5200
5000
4800

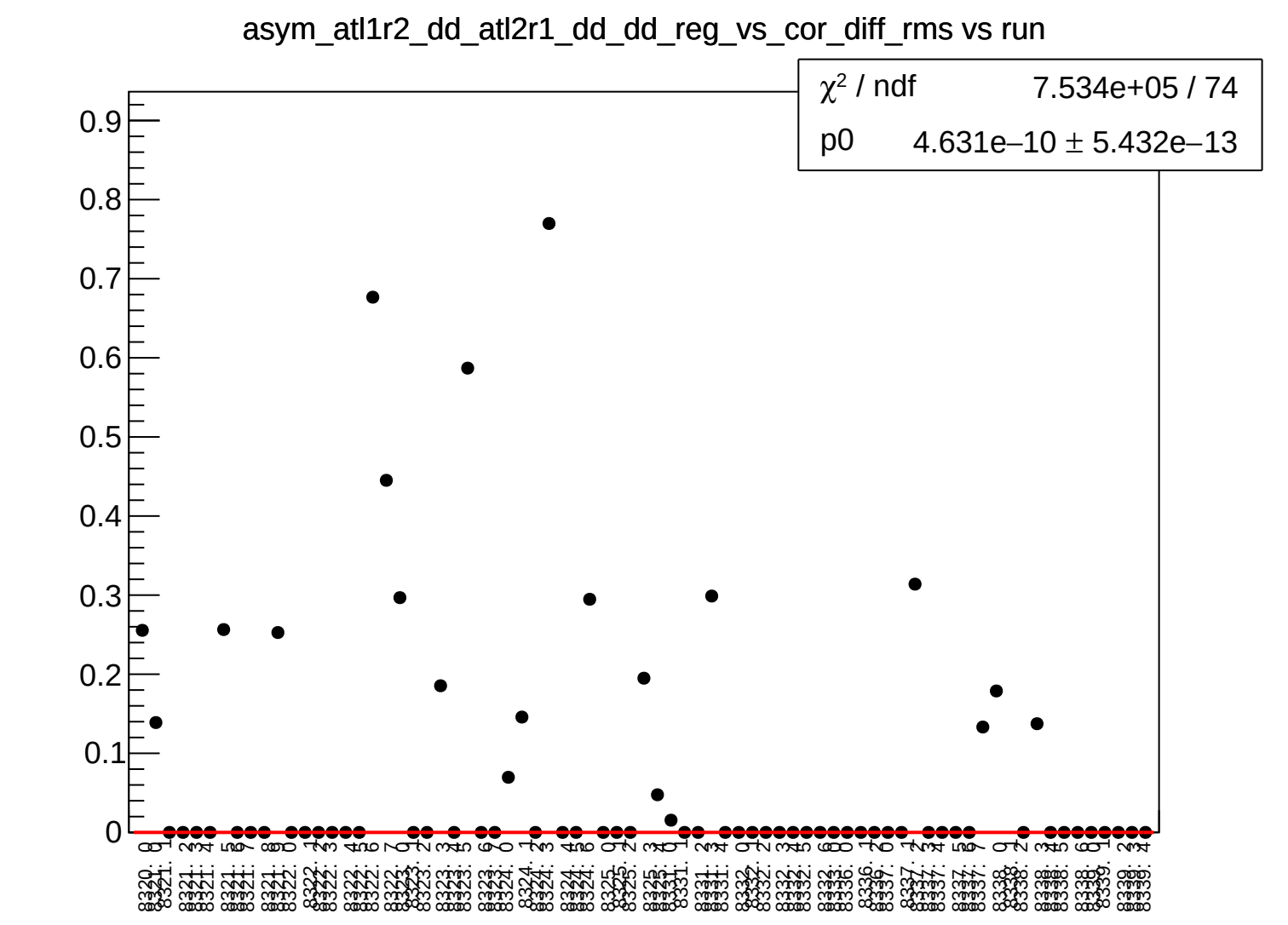

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 76.21 / 74
p0 −9002 ± 6377
pull
Entries 75
Mean 689.2
Std Dev 0

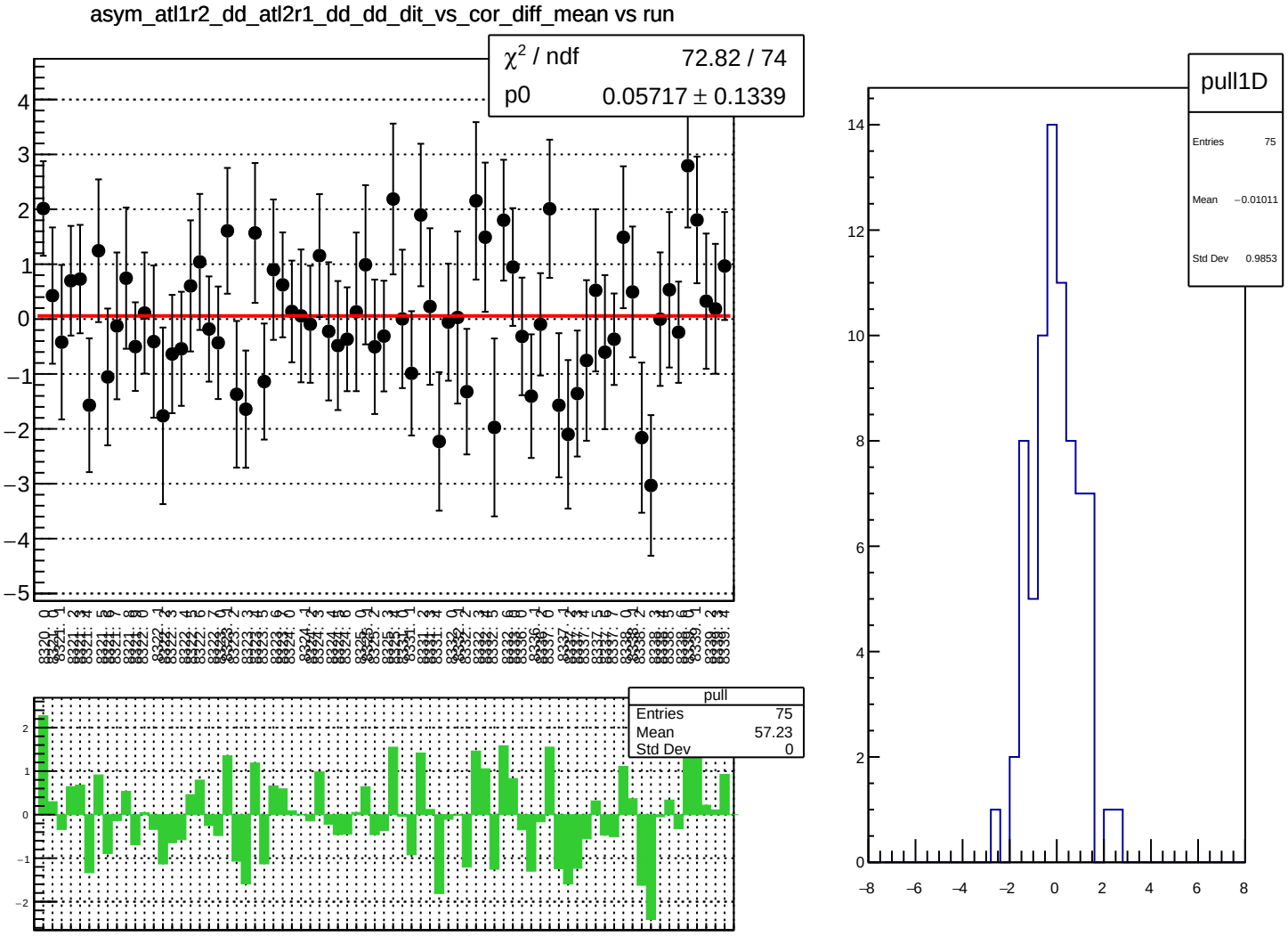

pull1D
Entries 75
Mean −0.001537
Std Dev 1.008

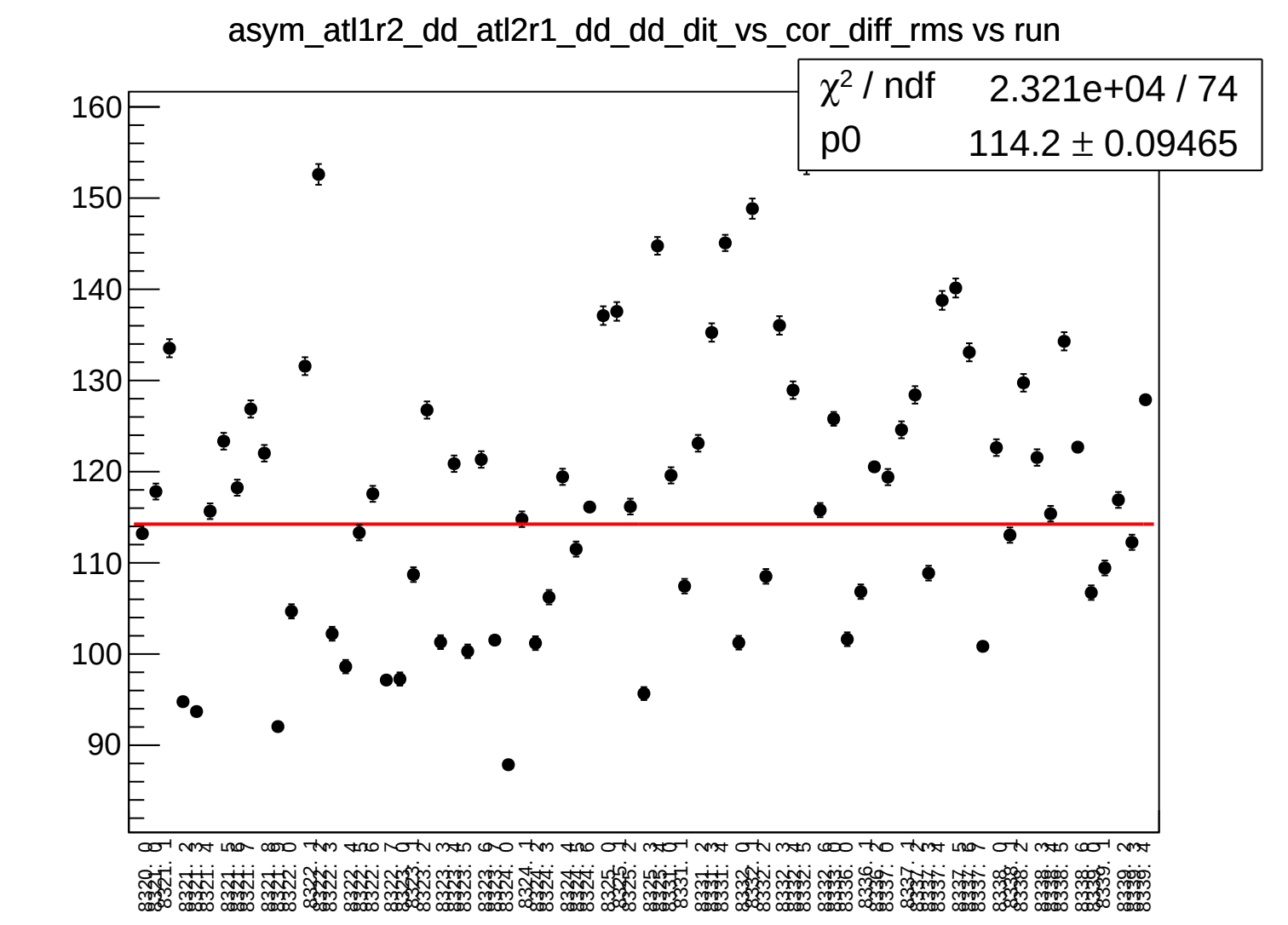

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1812 / 74
p0 5483 ± 4.509
6200
6000
5800
5600
5400
5200
5000

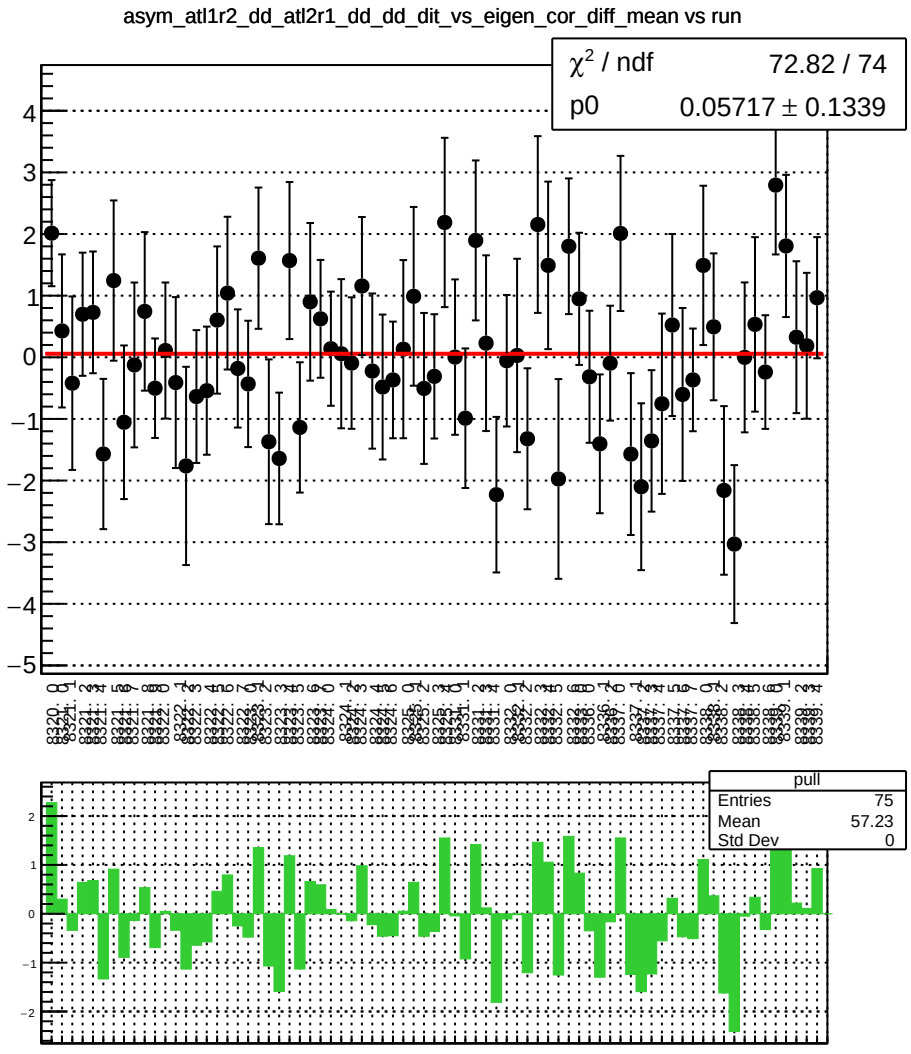

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 95.38 / 74
p0 −1.725e−12 ± 7.682e−13
pull
Entries 75
Mean 47.39
Std Dev 0

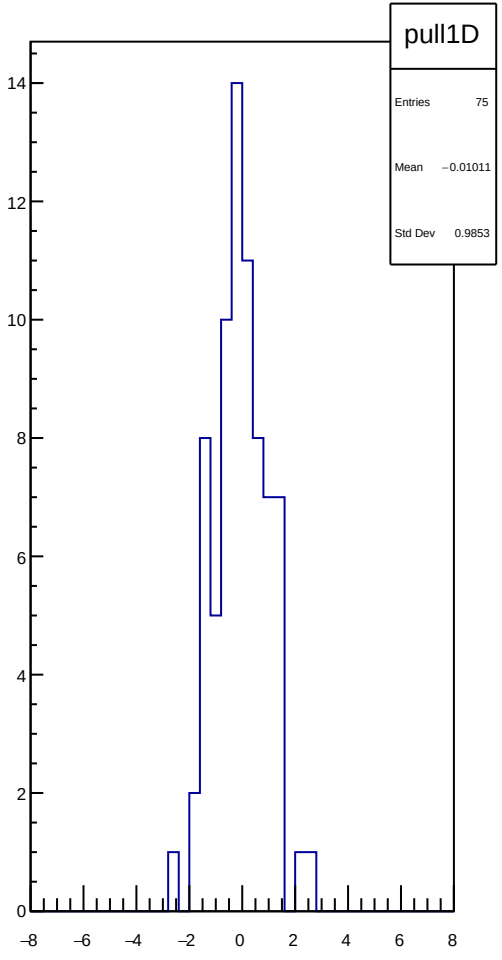

pull1D
Entries 75
Mean 0.1242
Std Dev 1.121

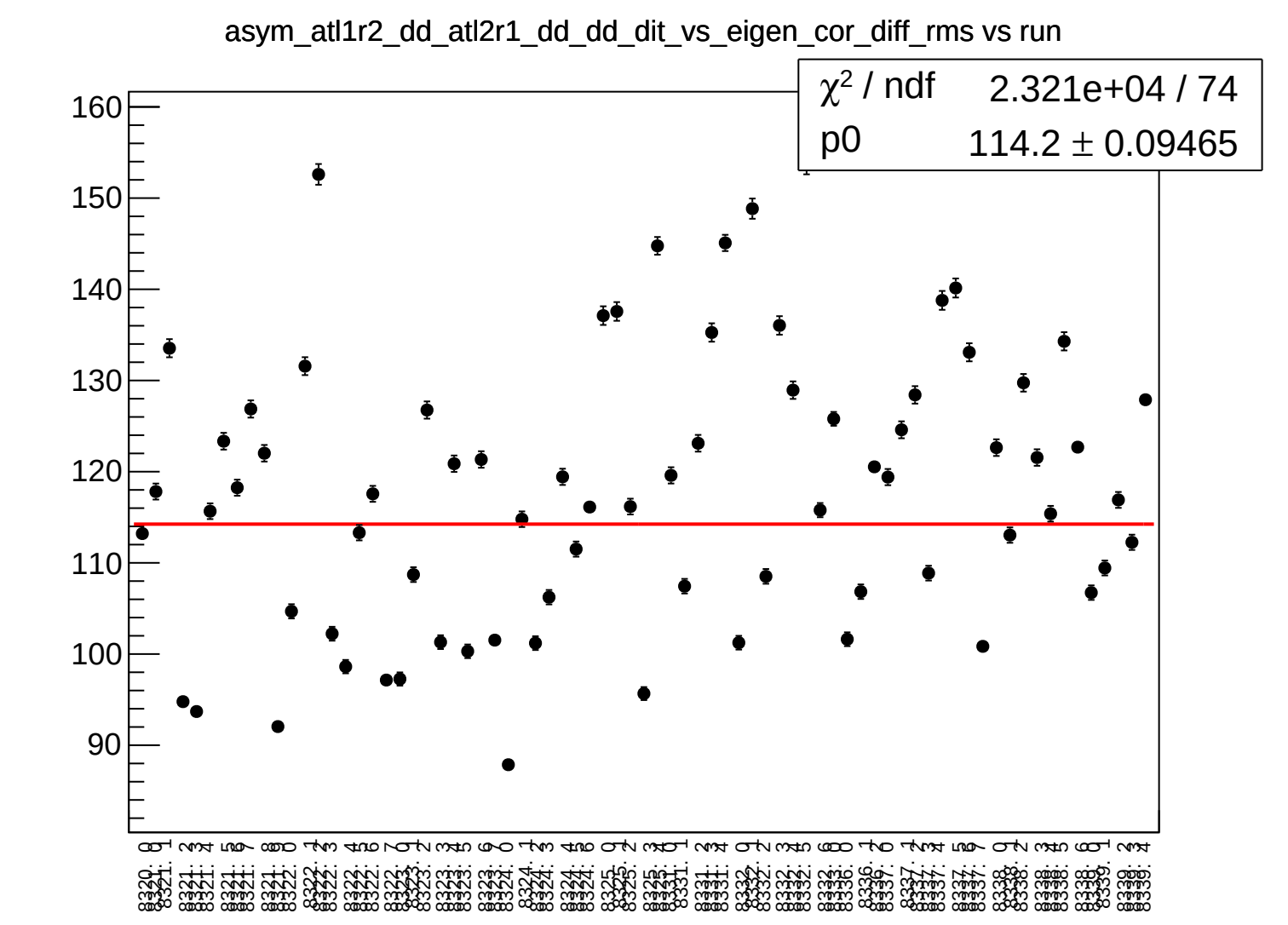

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.534e+05 / 74
p0 4.631e−10 ± 5.432e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

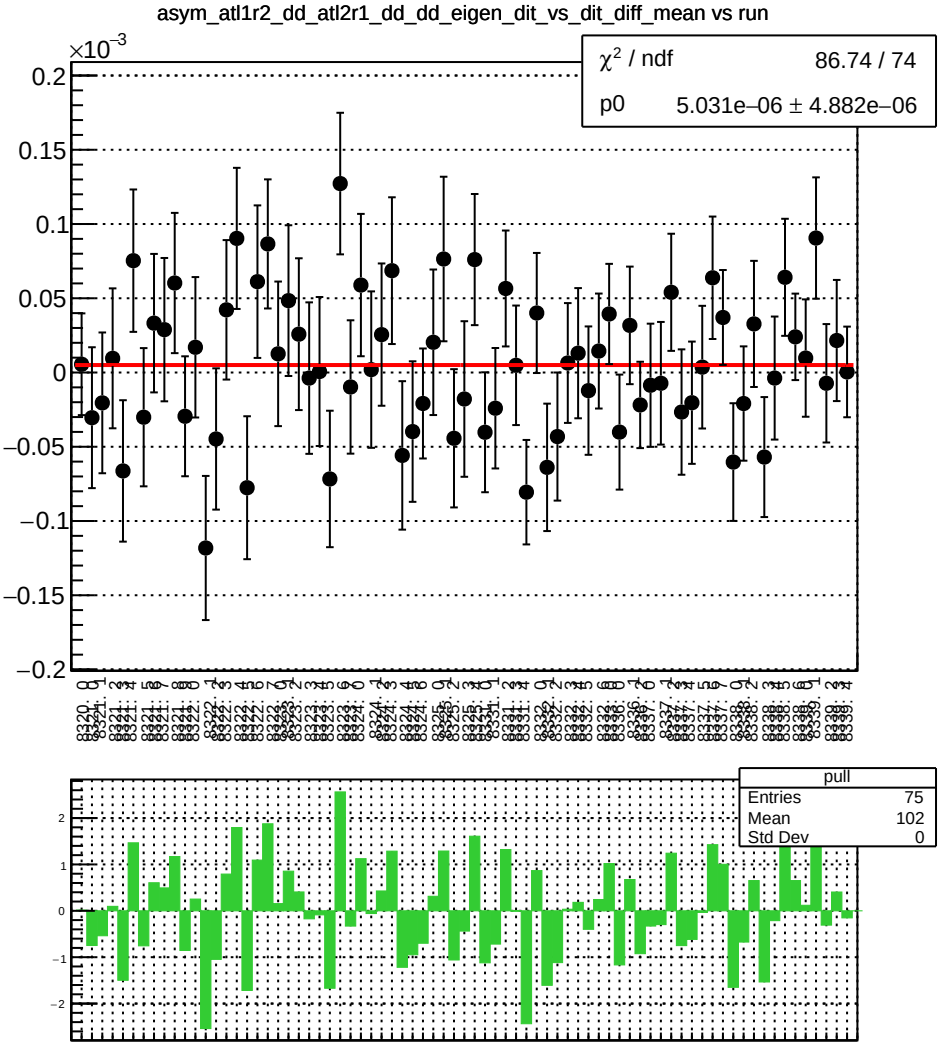

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05717 ± 0.1339
pull
Entries 75
Mean 57.23
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

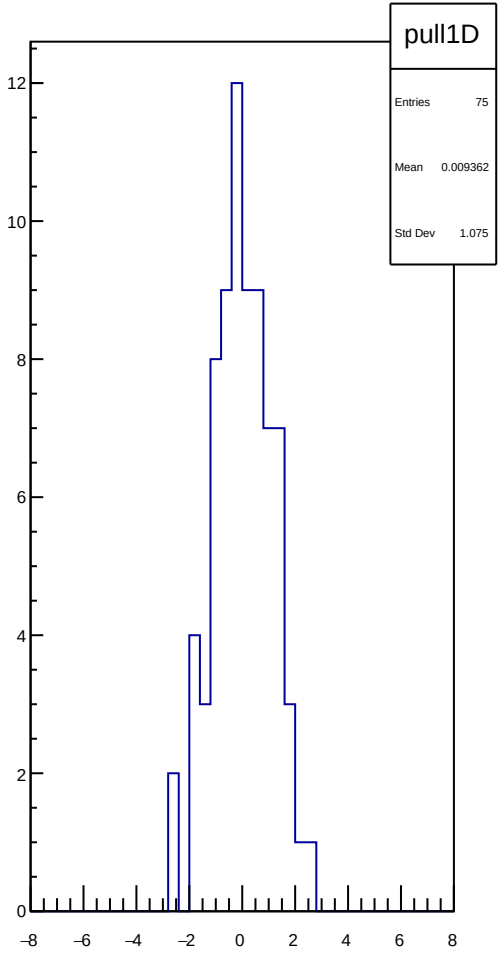

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

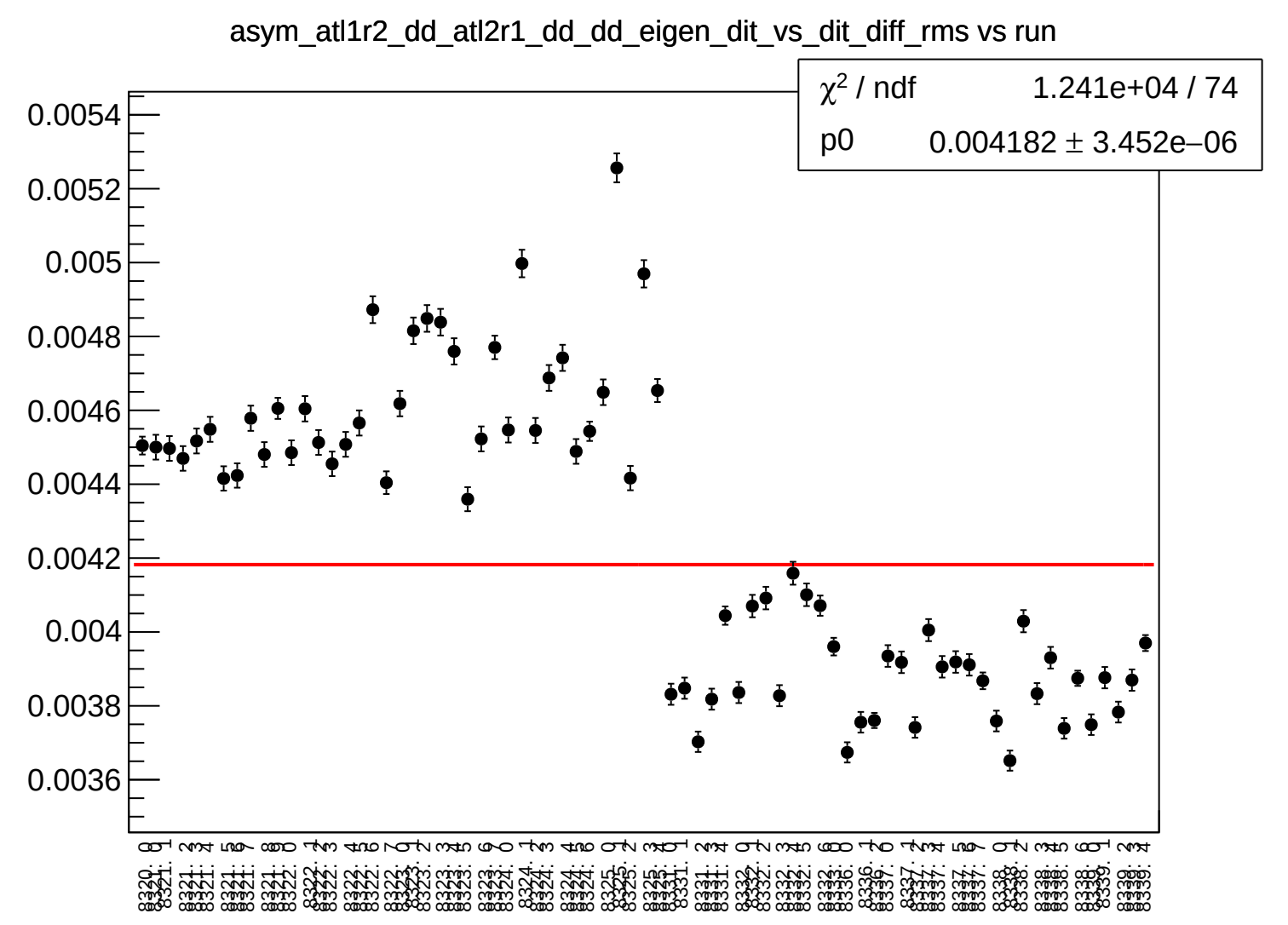

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05717 ± 0.1339
pull
Entries 75
Mean 57.23
Std Dev 0

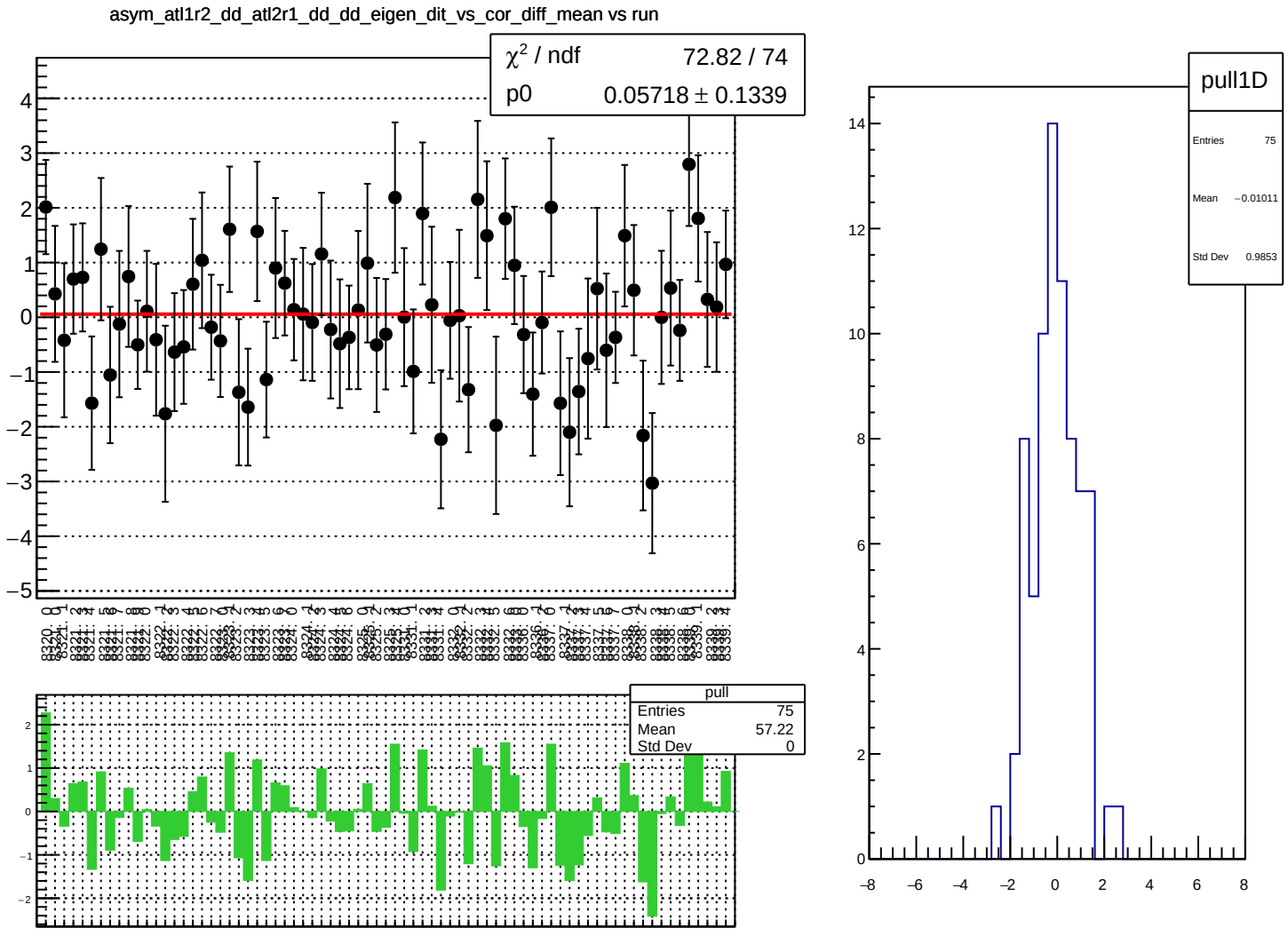

pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

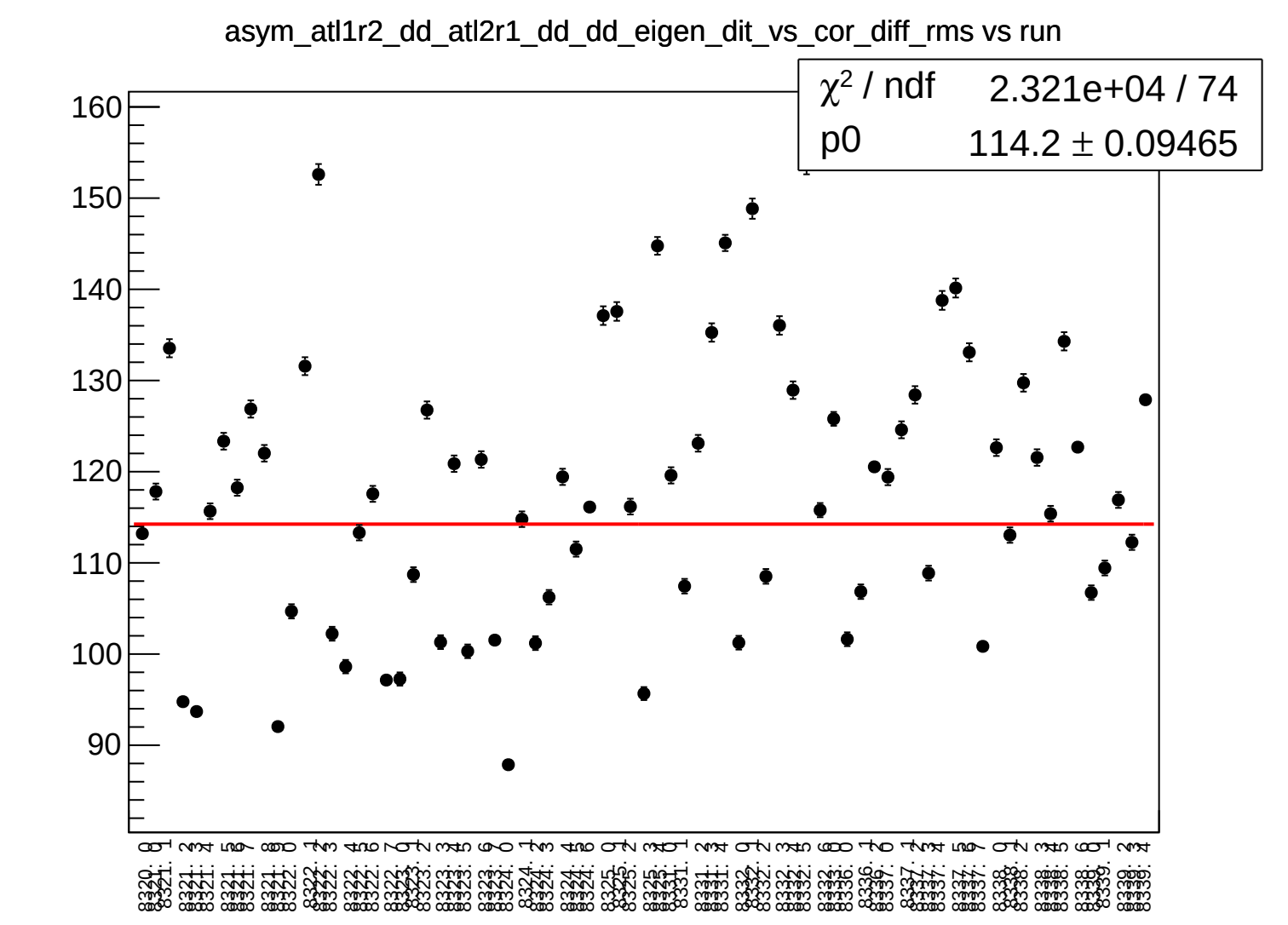

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

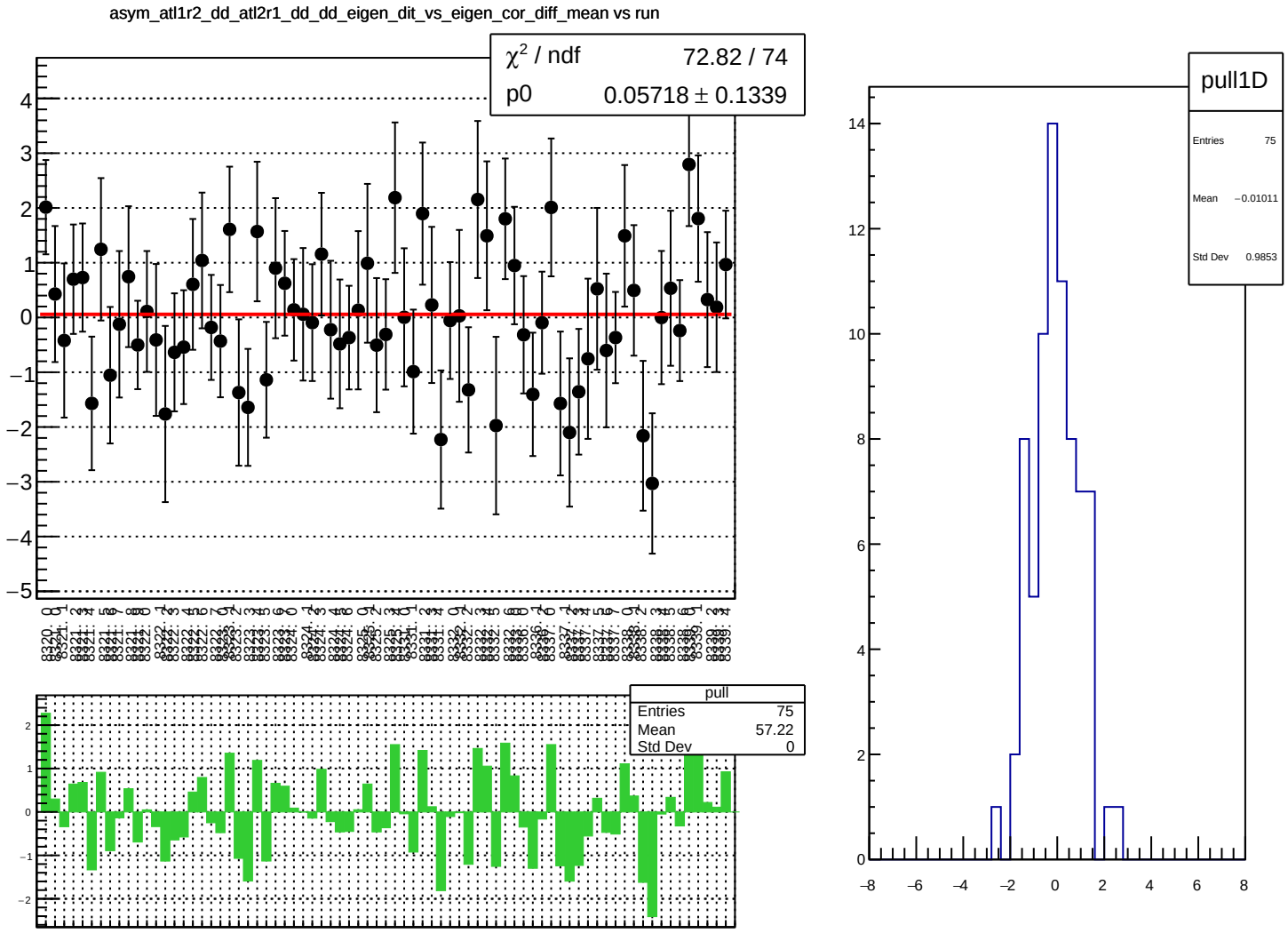

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.74 / 74
p0 5.031e−06 ± 4.882e−06
pull
Entries 75
Mean 102
Std Dev 0

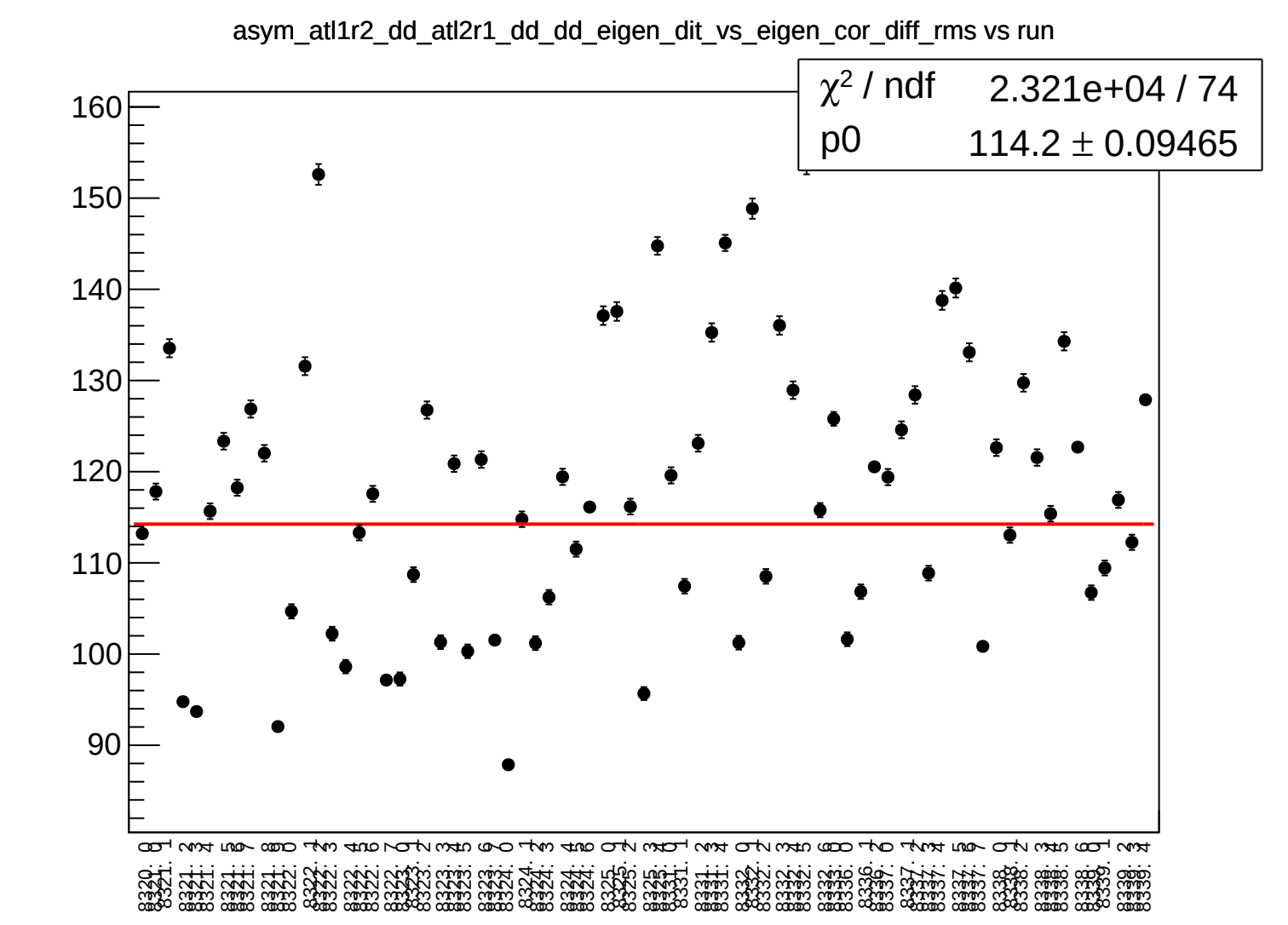

pull1D
Entries 75
Mean 0.009362
Std Dev 1.075

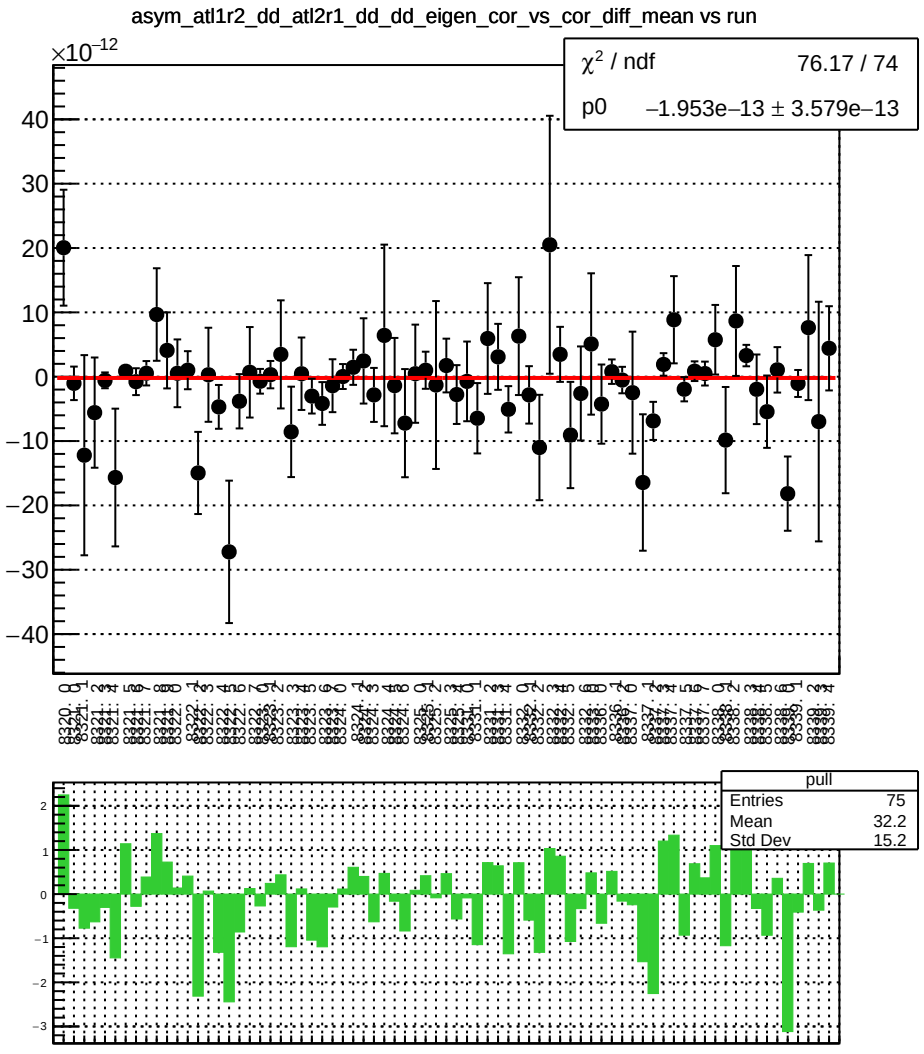

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.241e+04 / 74
p0 0.004182 ± 3.452e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036

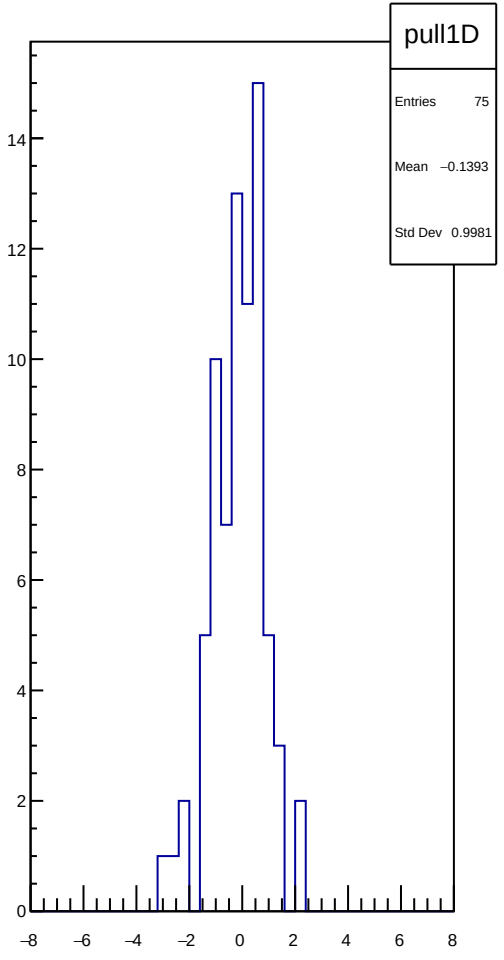

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05718 ± 0.1339
pull
Entries 75
Mean 57.22
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

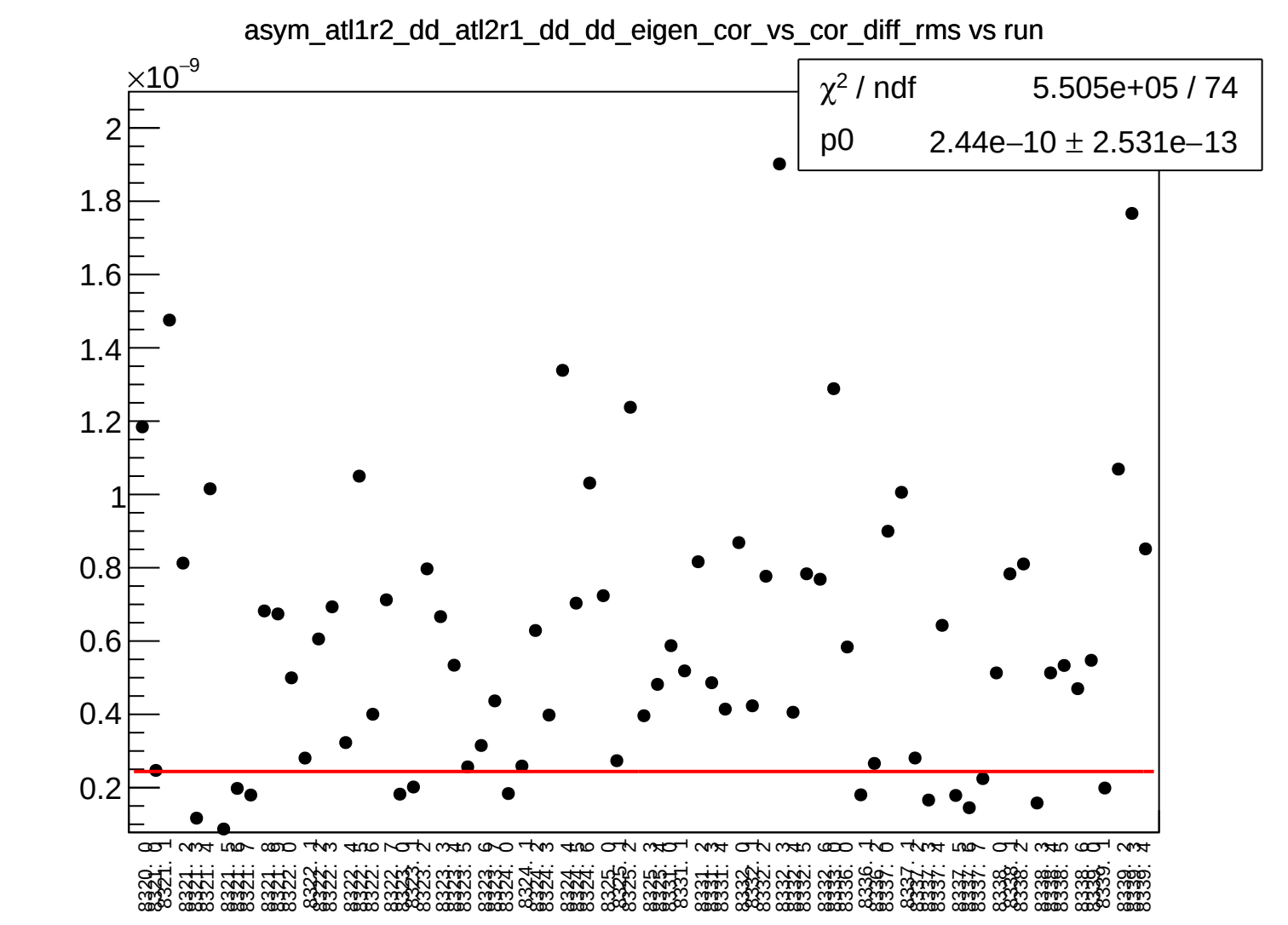

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

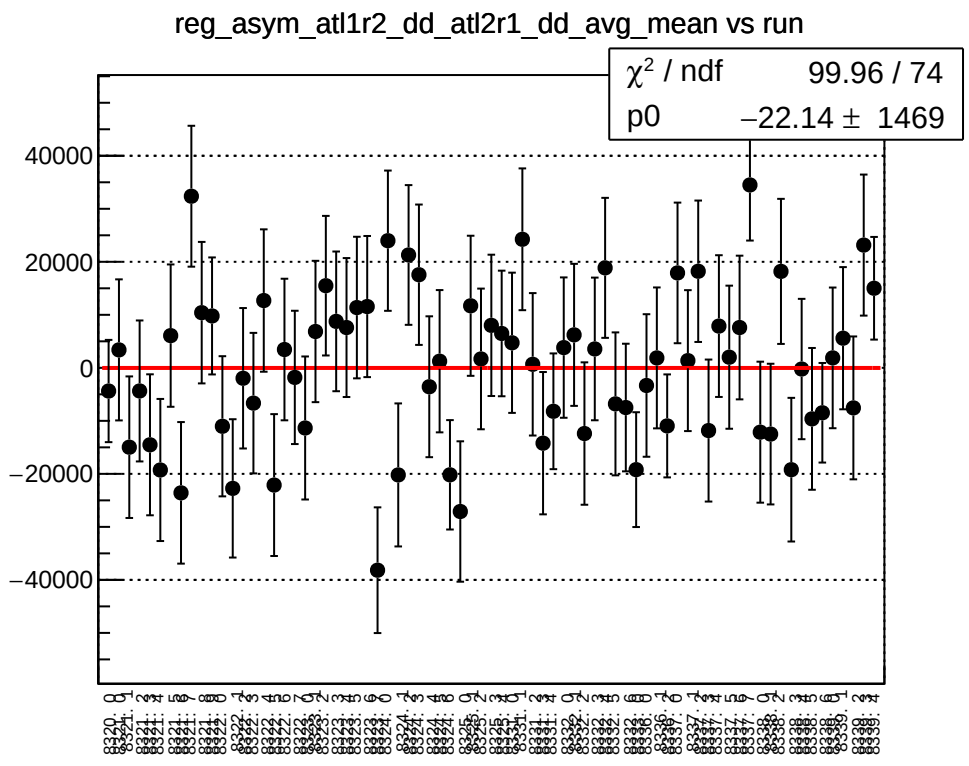

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.82 / 74
p0 0.05718 ± 0.1339
pull
Entries 75
Mean 57.22
Std Dev 0
pull1D
Entries 75
Mean −0.01011
Std Dev 0.9853

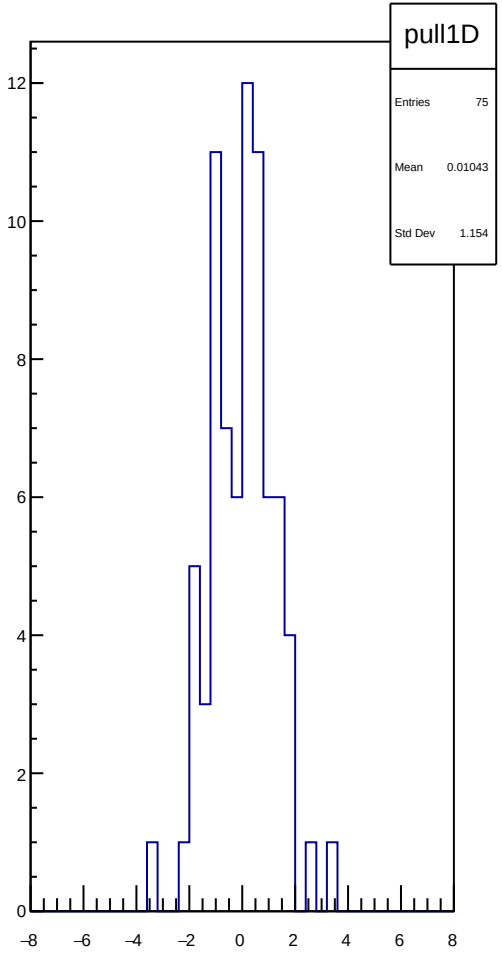

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.321e+04 / 74
p0 114.2 ± 0.09465
160
150
140
130
120
110
100
90

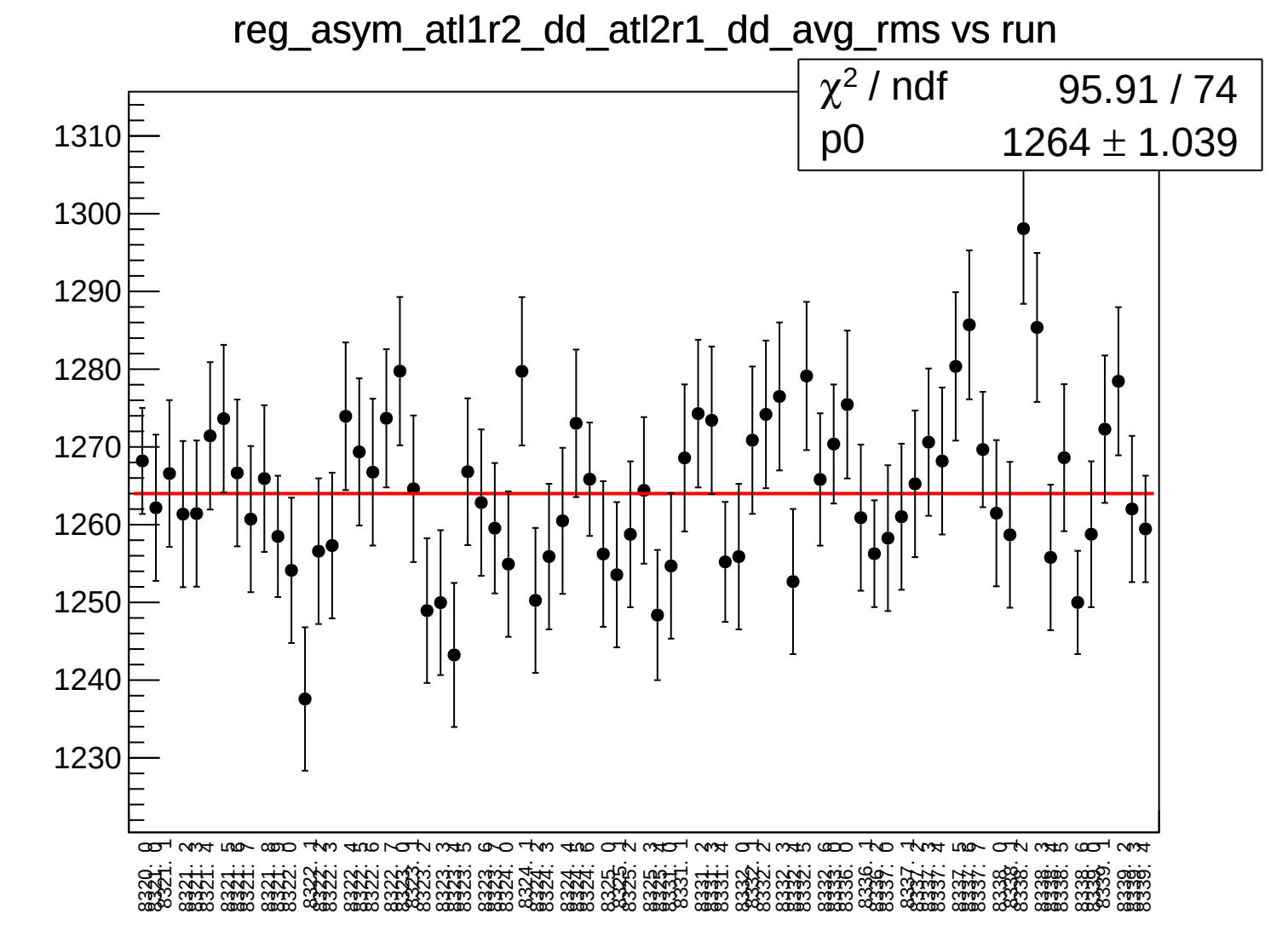

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 76.17 / 74
p0 −1.953e−13 ± 3.579e−13
pull
Entries 75
Mean 32.2
Std Dev 15.2

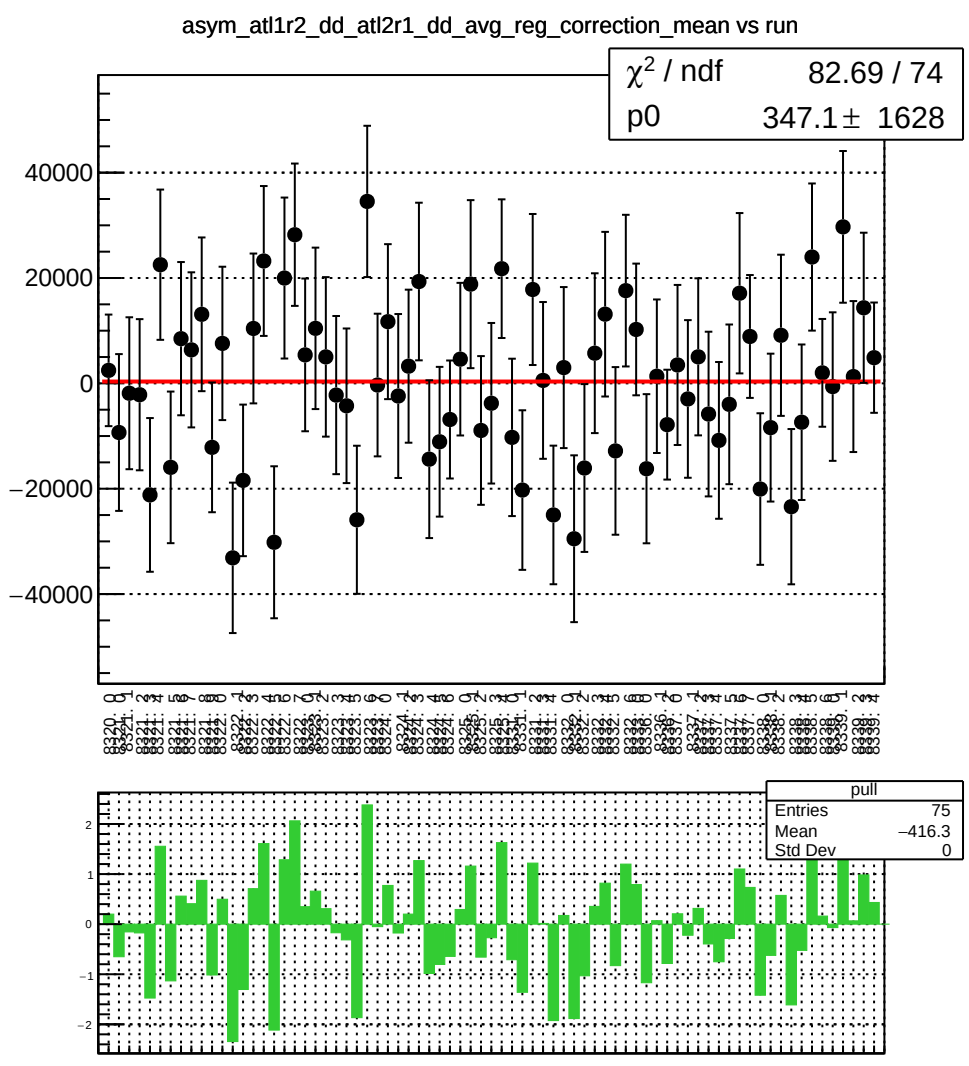

pull1D
Entries 75
Mean −0.1393
Std Dev 0.9981

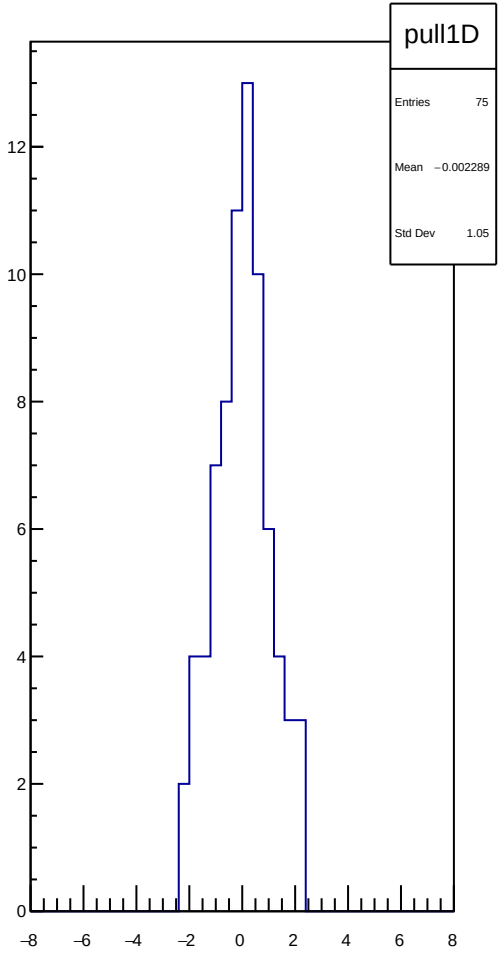

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.505e+05 / 74
p0 2.44e−10 ± 2.531e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

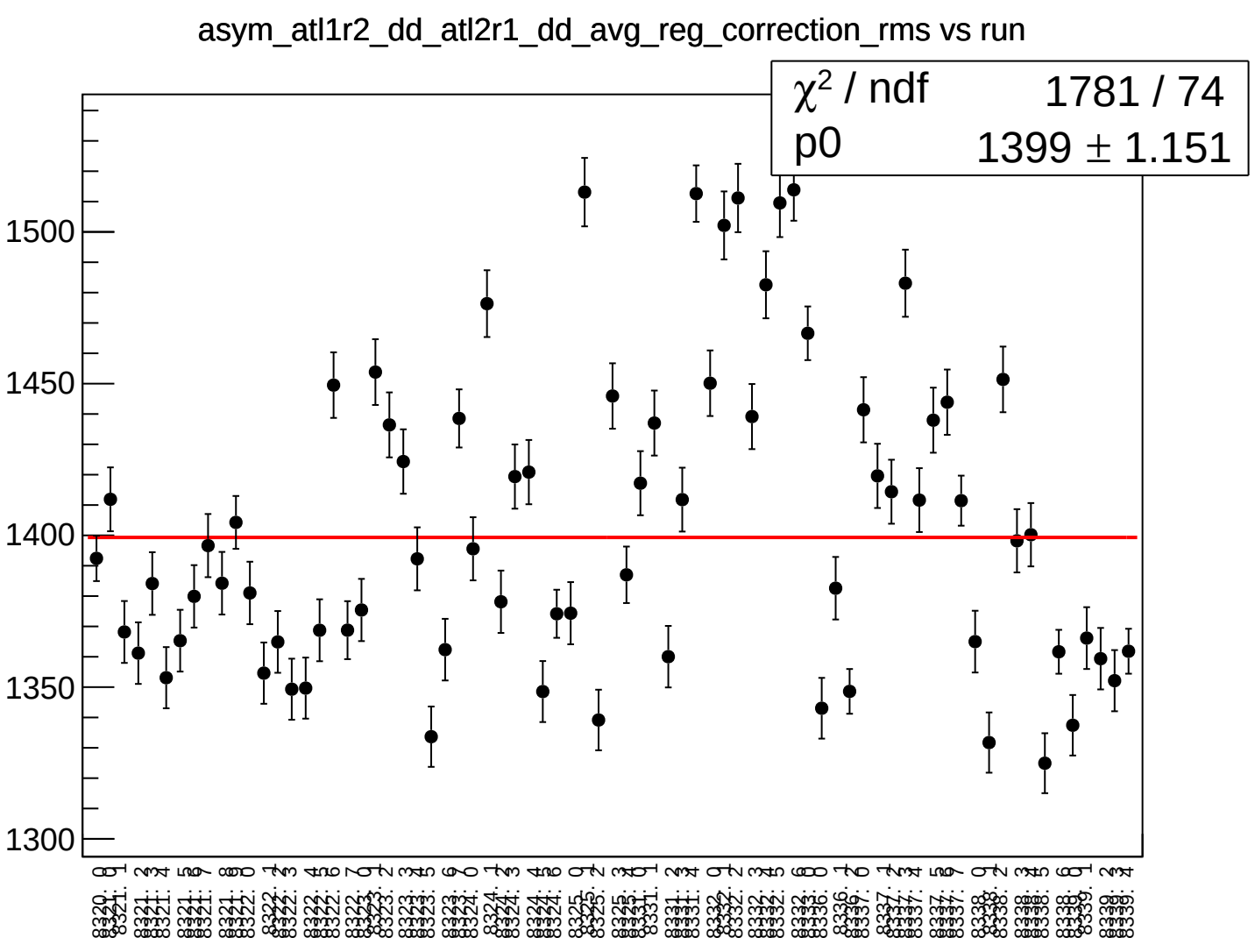

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 99.96 / 74
p0 −22.14 ± 1469
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 343
Std Dev 0

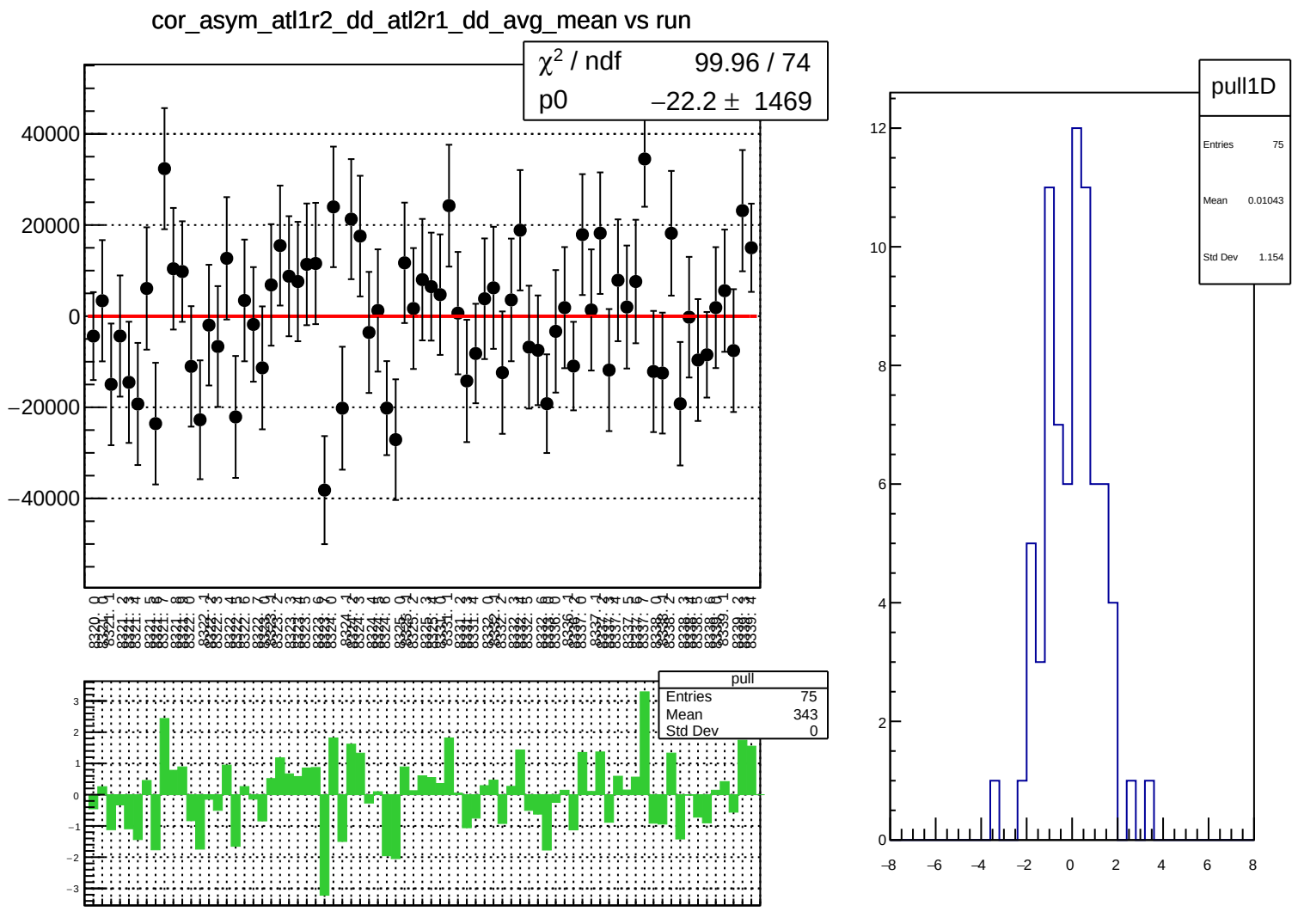

pull1D
Entries 75
Mean 0.01043
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

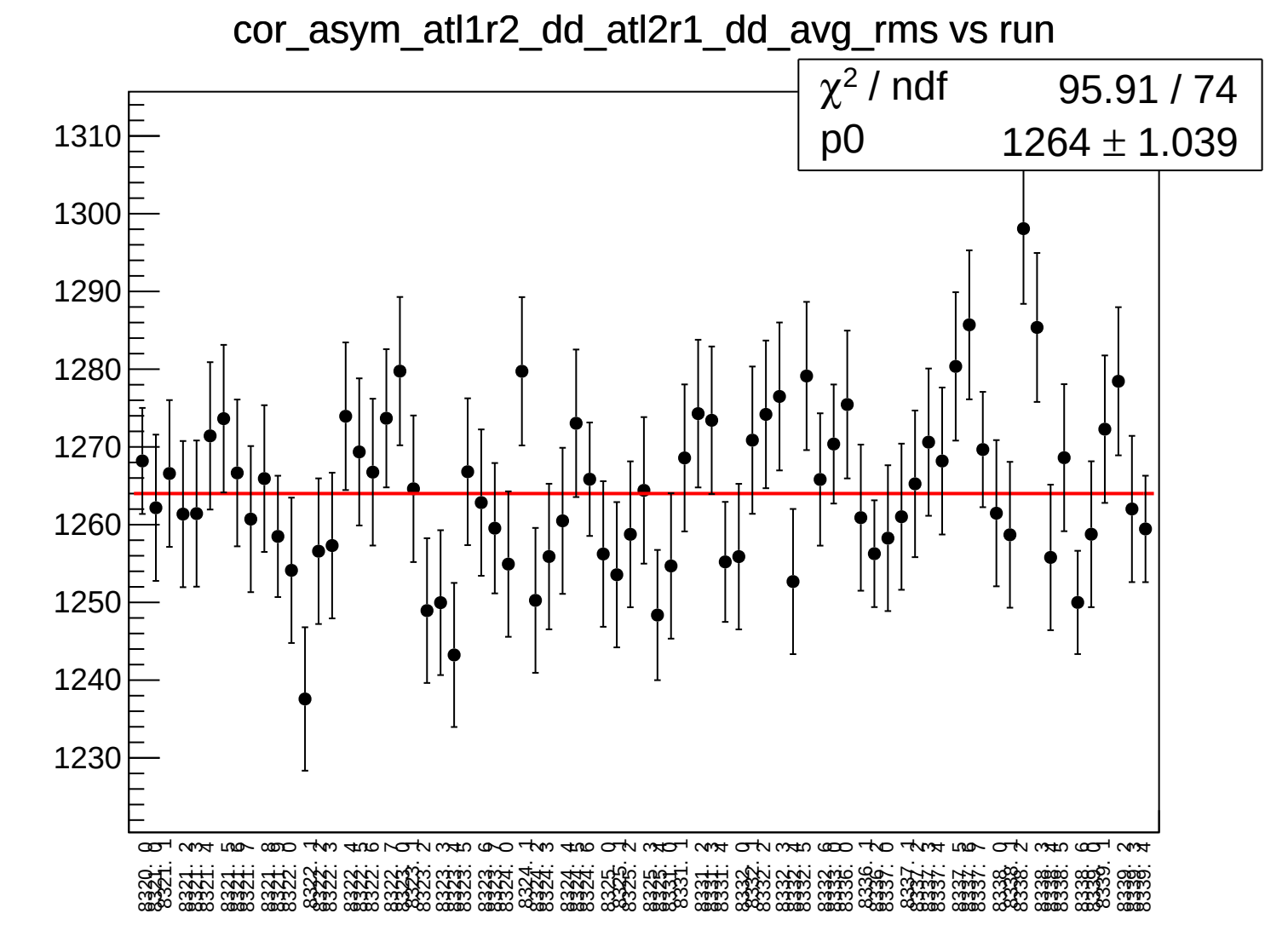

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 95.91 / 74
p0 1264 ± 1.039
1310
1300
1290
1280
1270
1260
1250
1240
1230

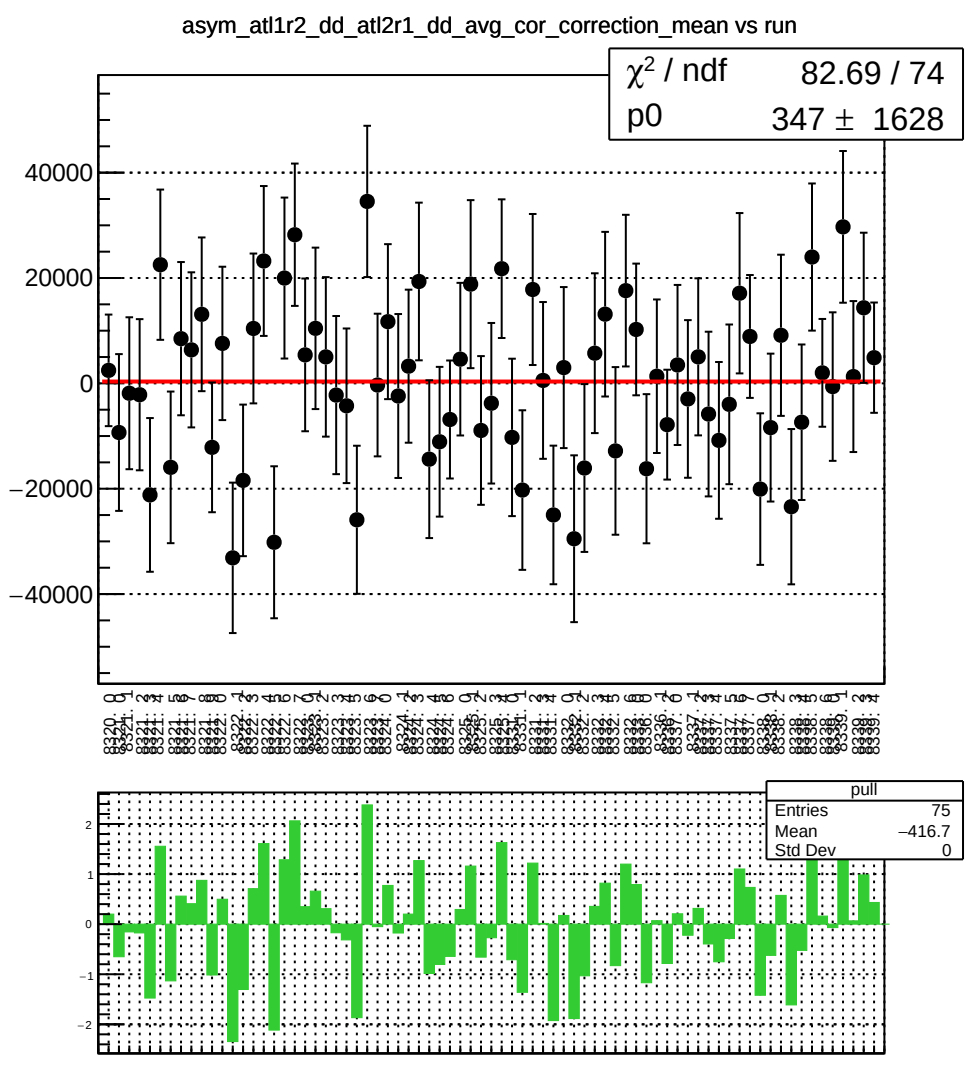

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 82.69 / 74
p0 347.1 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −416.3
Std Dev 0
2
1
0
−1
−2

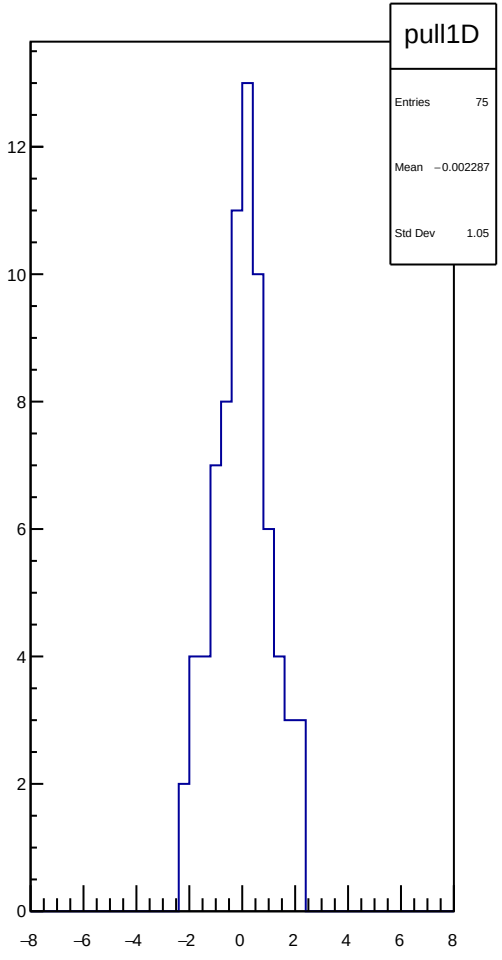

pull1D
Entries 75
Mean −0.002289
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

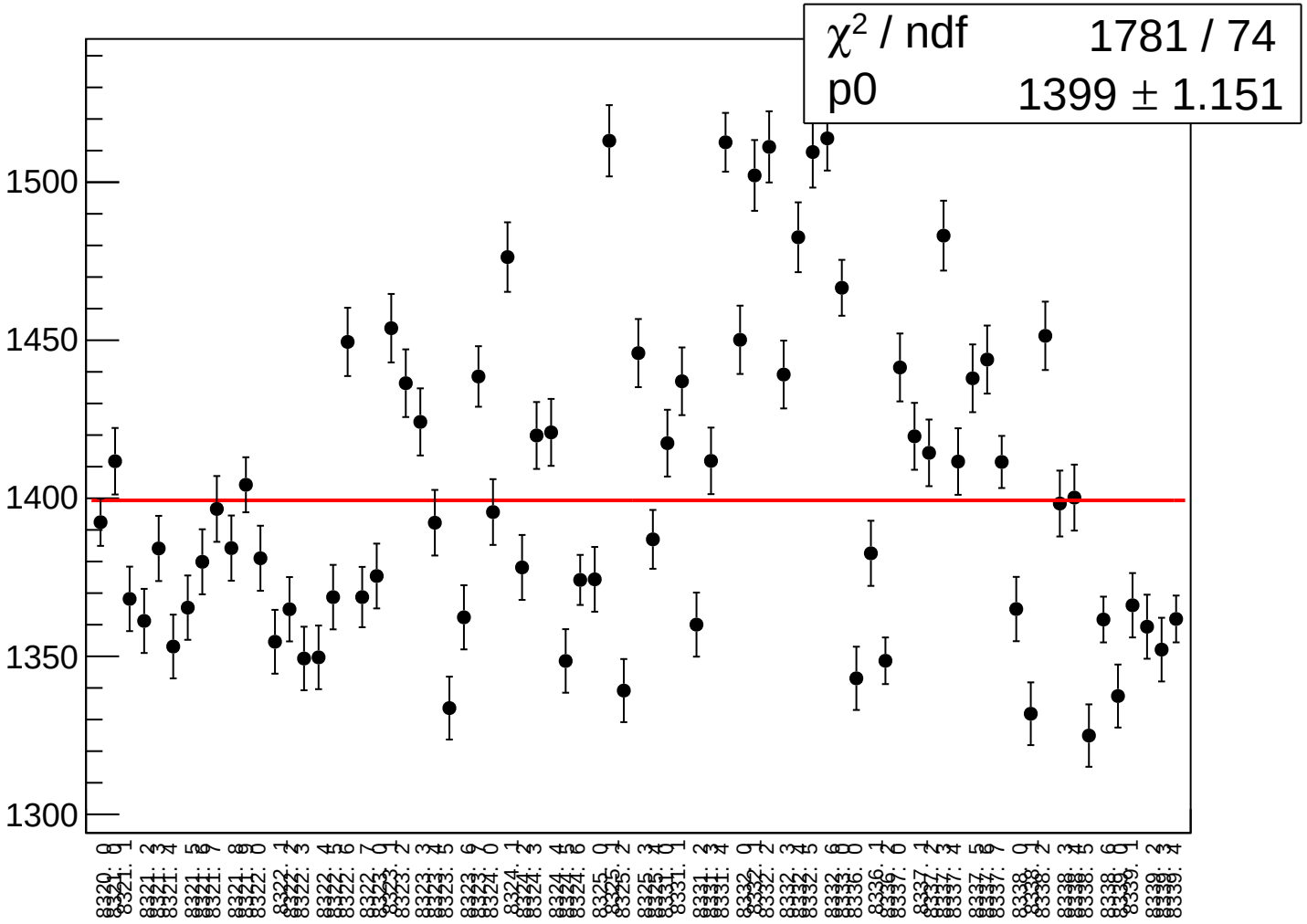

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 1781 / 74
p0 1399 ± 1.151
1500
1450
1400
1350
1300

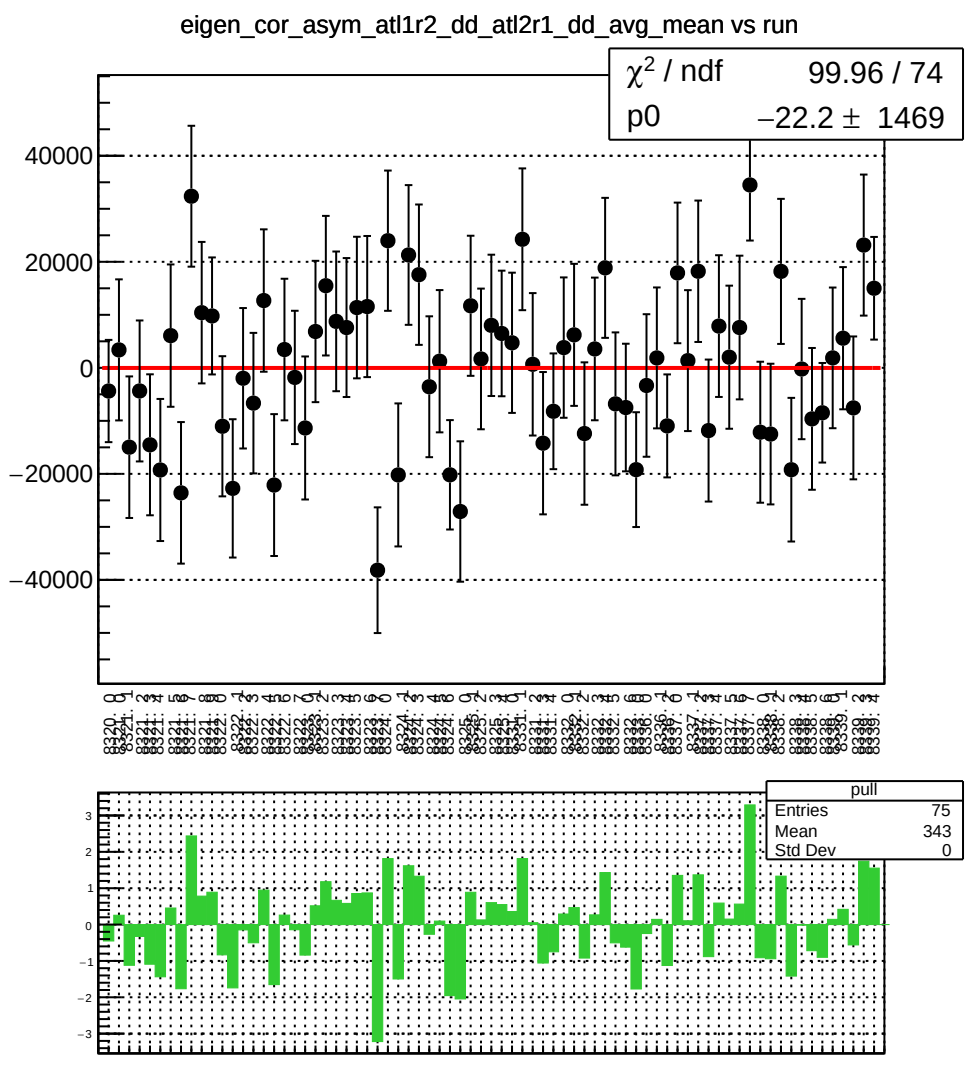

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 99.96 / 74
p0 −22.2 ± 1469
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 343
Std Dev 0
pull1D
Entries 75
Mean 0.01043
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

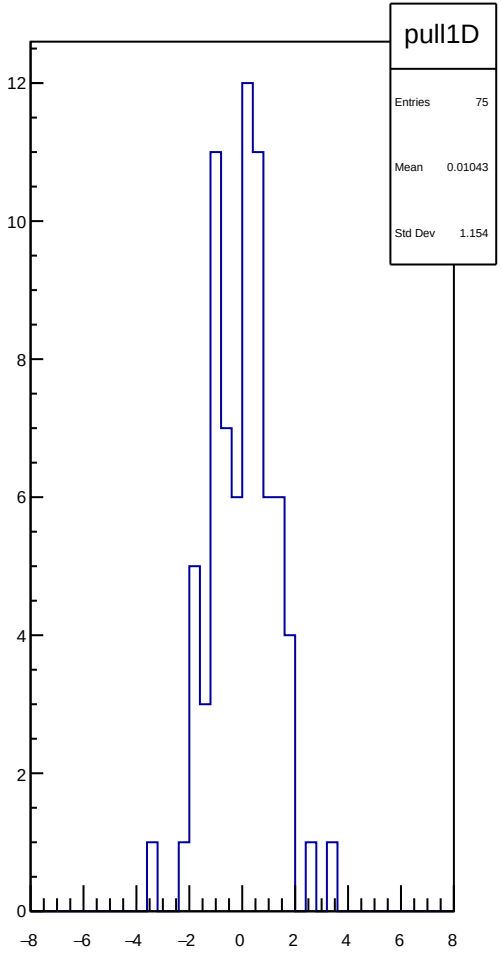

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 95.91 / 74
p0 1264 ± 1.039
1310
1300
1290
1280
1270
1260
1250
1240
1230

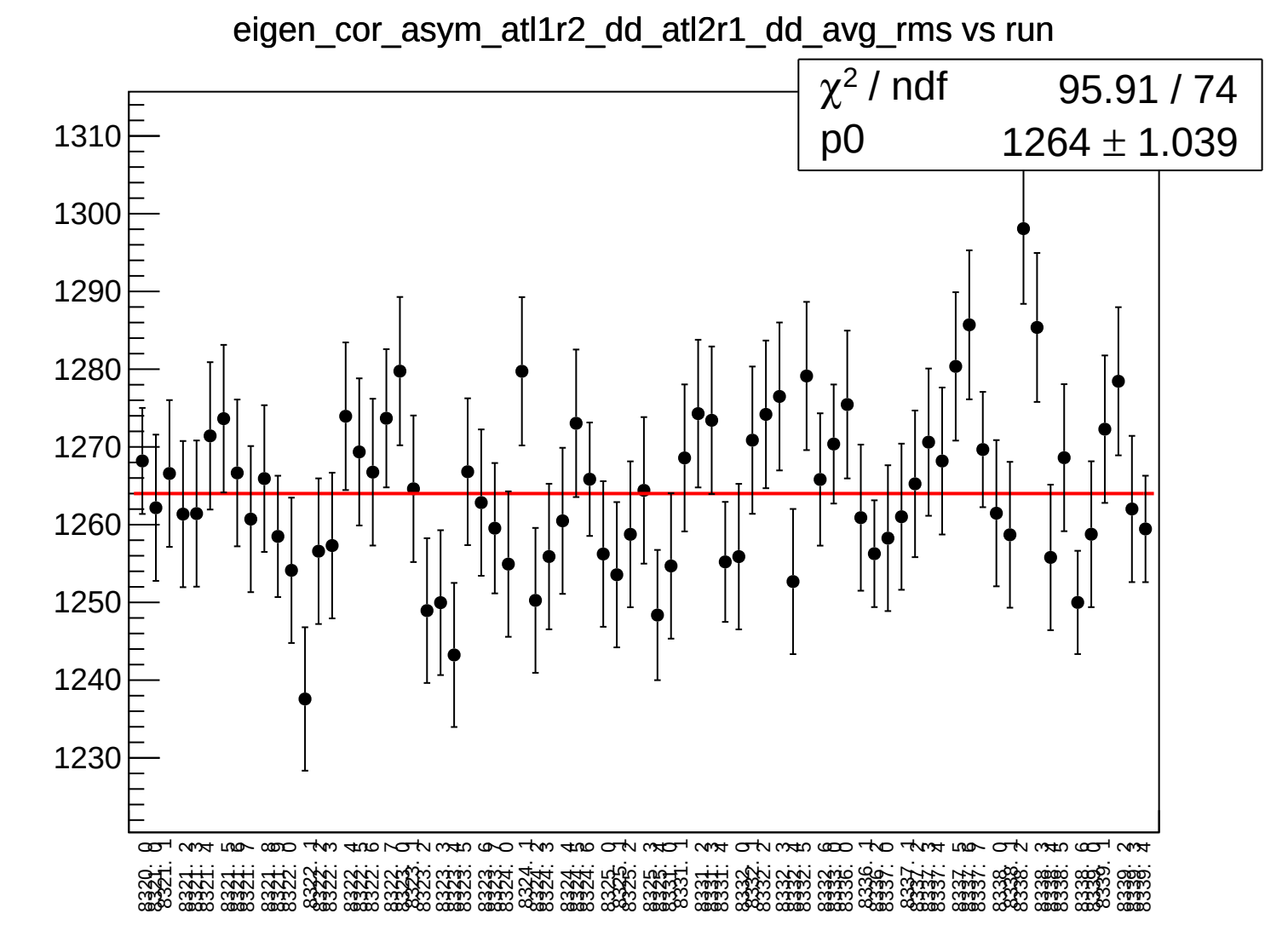

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 82.69 / 74
p0 347 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −416.7
Std Dev 0
2
1
0
−1
−2

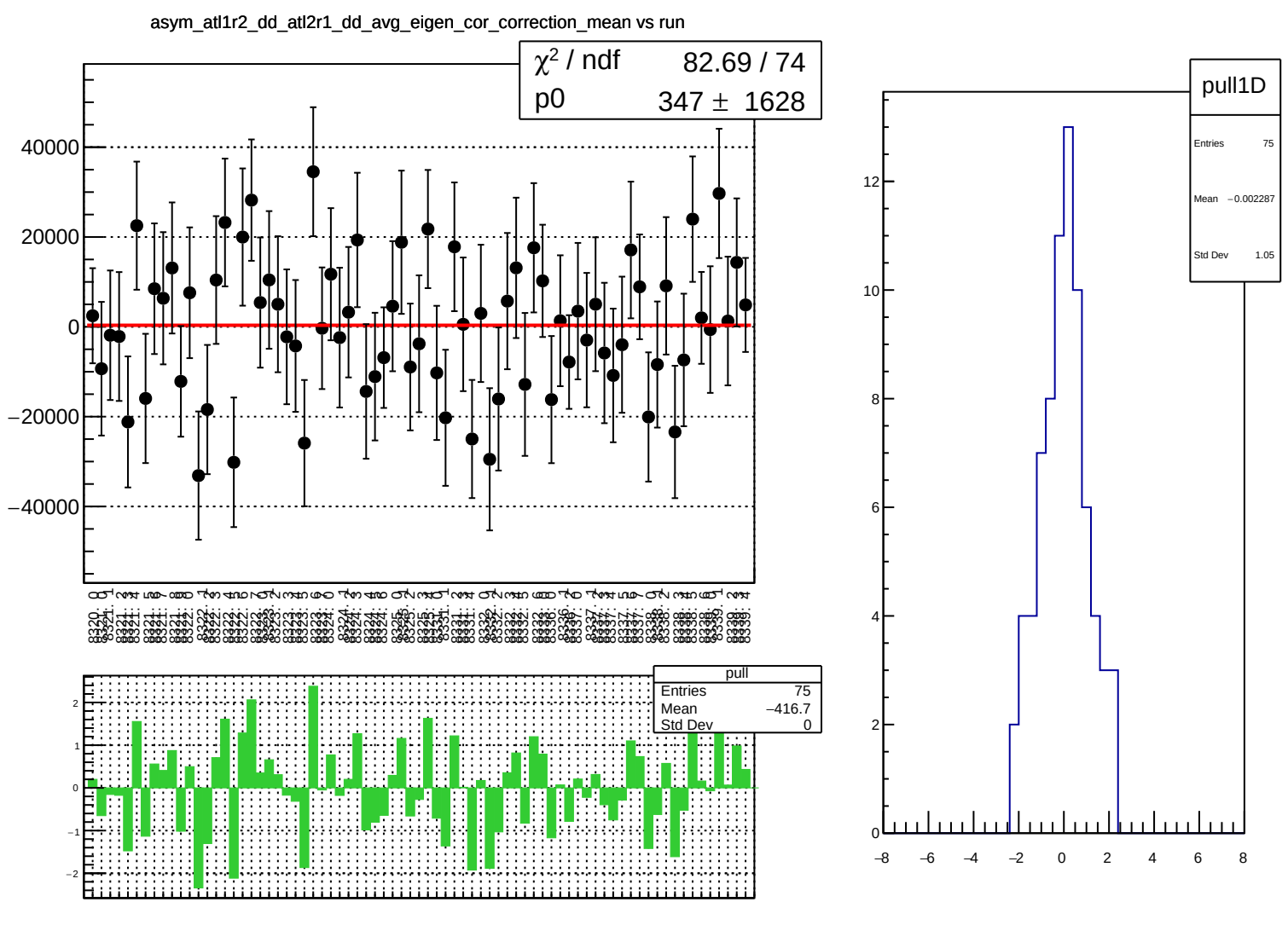

pull1D
Entries 75
Mean −0.002287
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

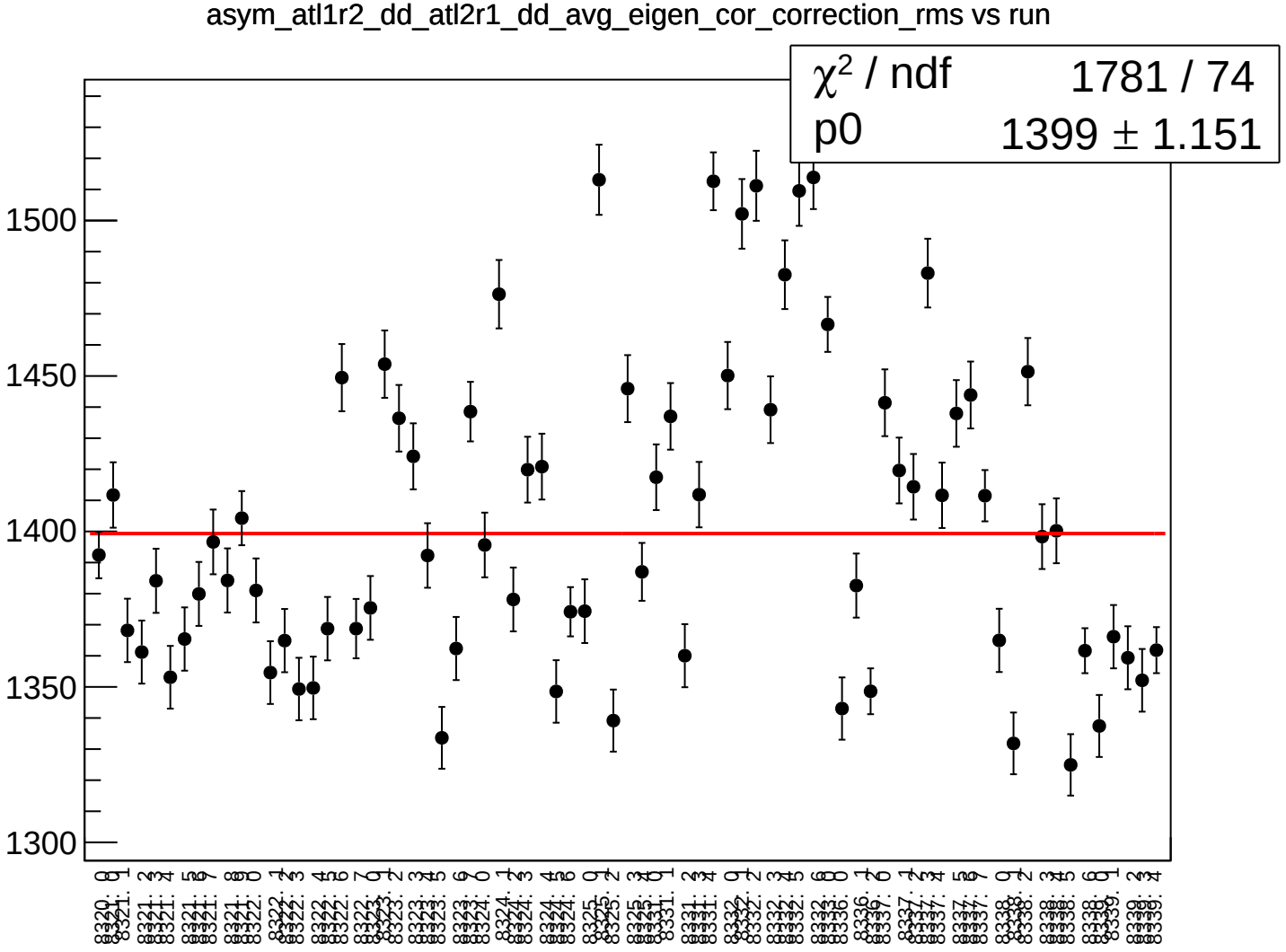

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 1781 / 74
p0 1399 ± 1.151
1500
1450
1400
1350
1300

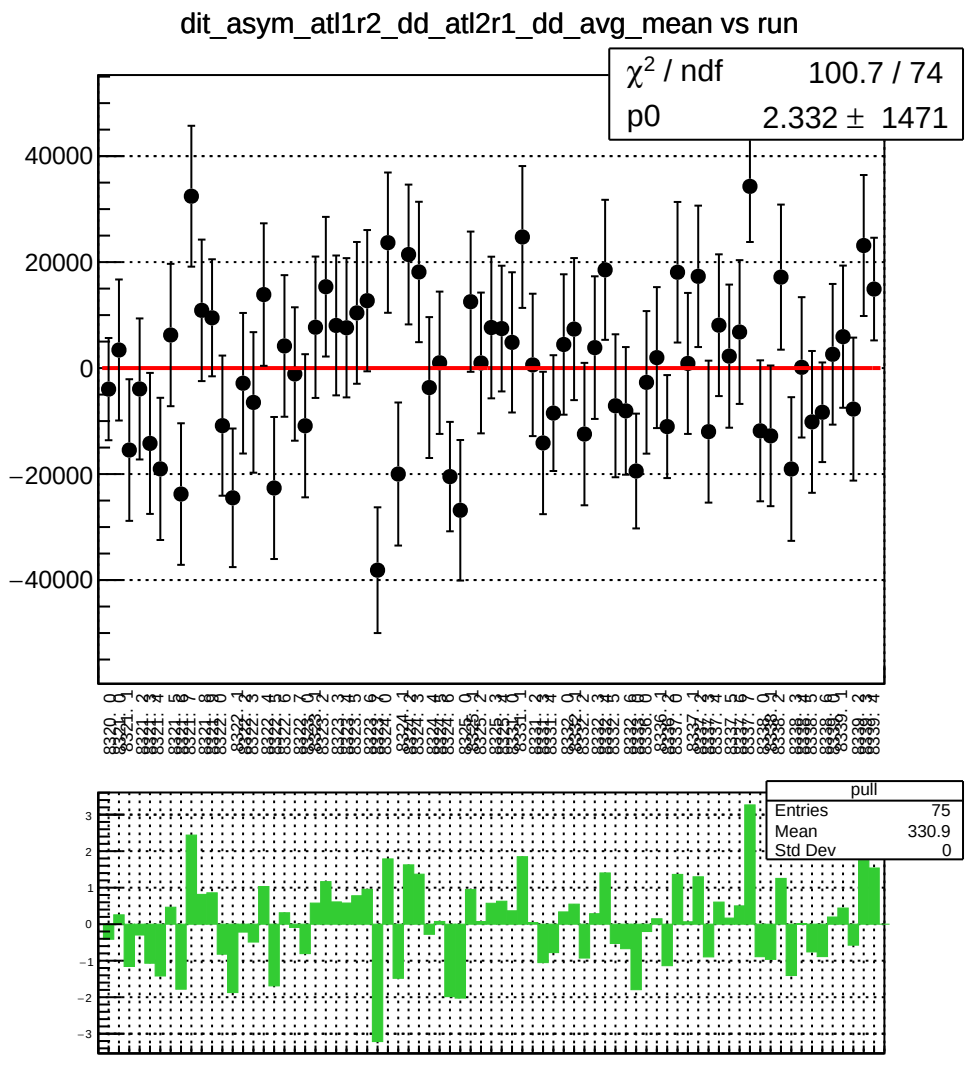

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 99.96 / 74
p0 −22.2 ± 1469
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 343
Std Dev 0
3
2
1
0
−1
−2
−3

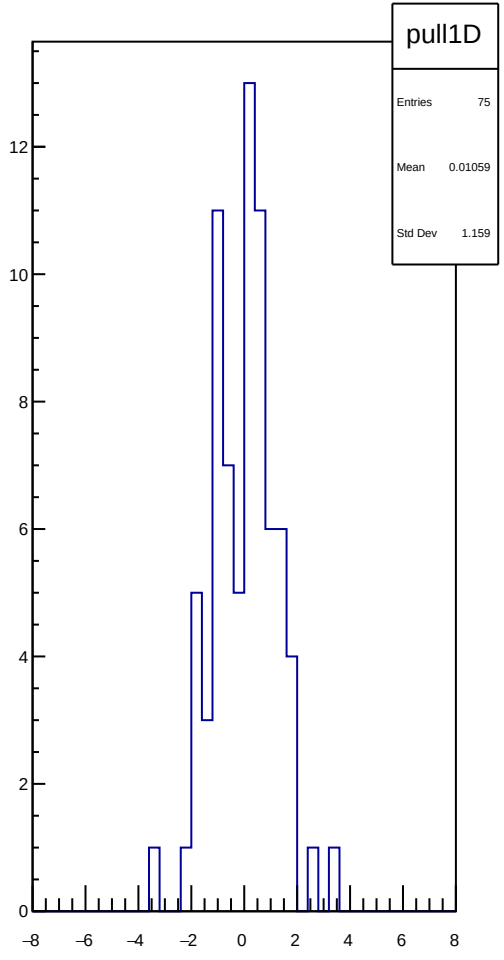

pull1D
Entries 75
Mean 0.01043
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

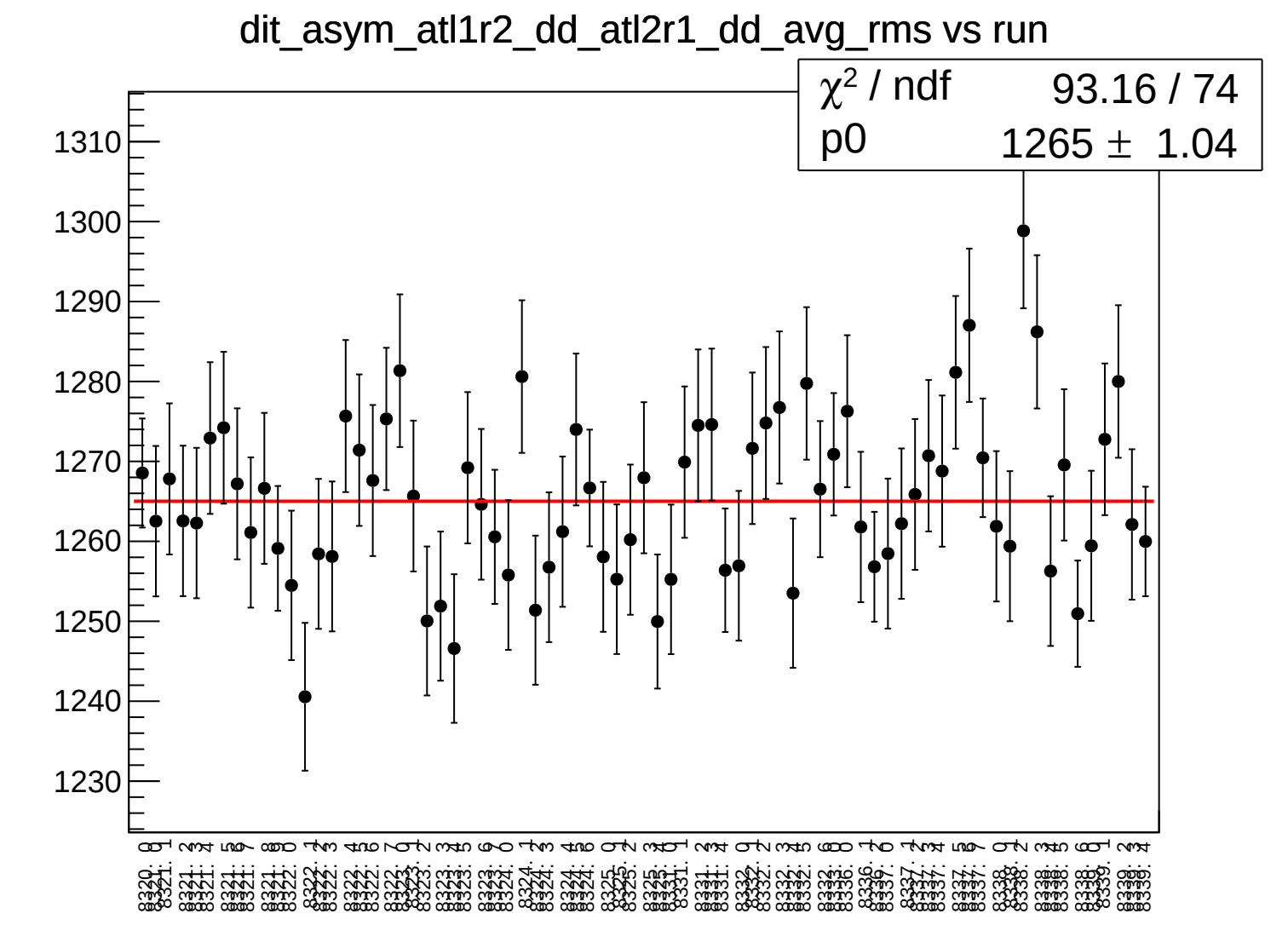

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 95.91 / 74
p0 1264 ± 1.039
1310
1300
1290
1280
1270
1260
1250
1240
1230

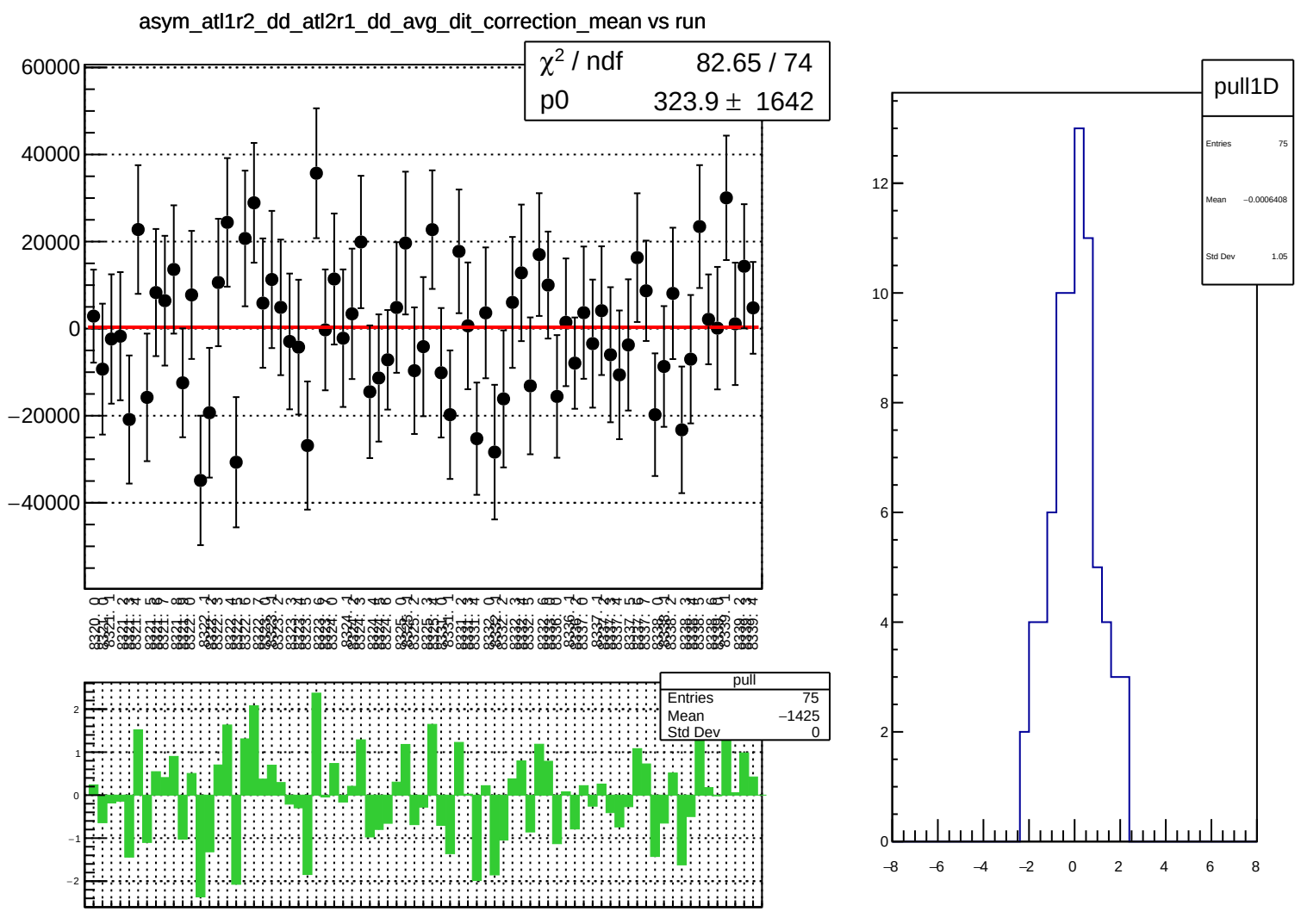

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 82.69 / 74
p0 347 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −416.7
Std Dev 0
pull1D
Entries 75
Mean −0.002287
Std Dev 1.05

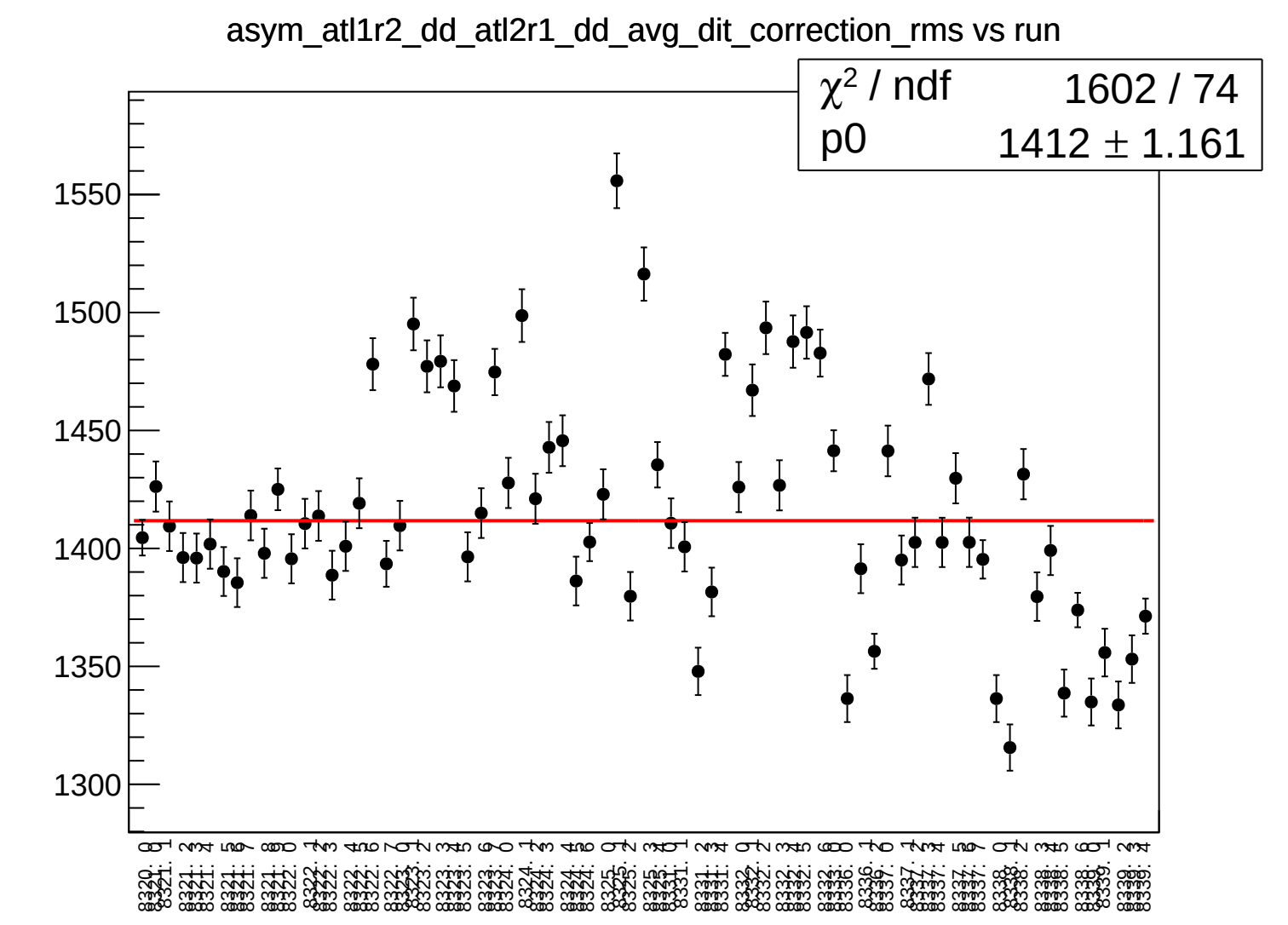

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1781 / 74
p0 1399 ± 1.151
1500
1450
1400
1350
1300

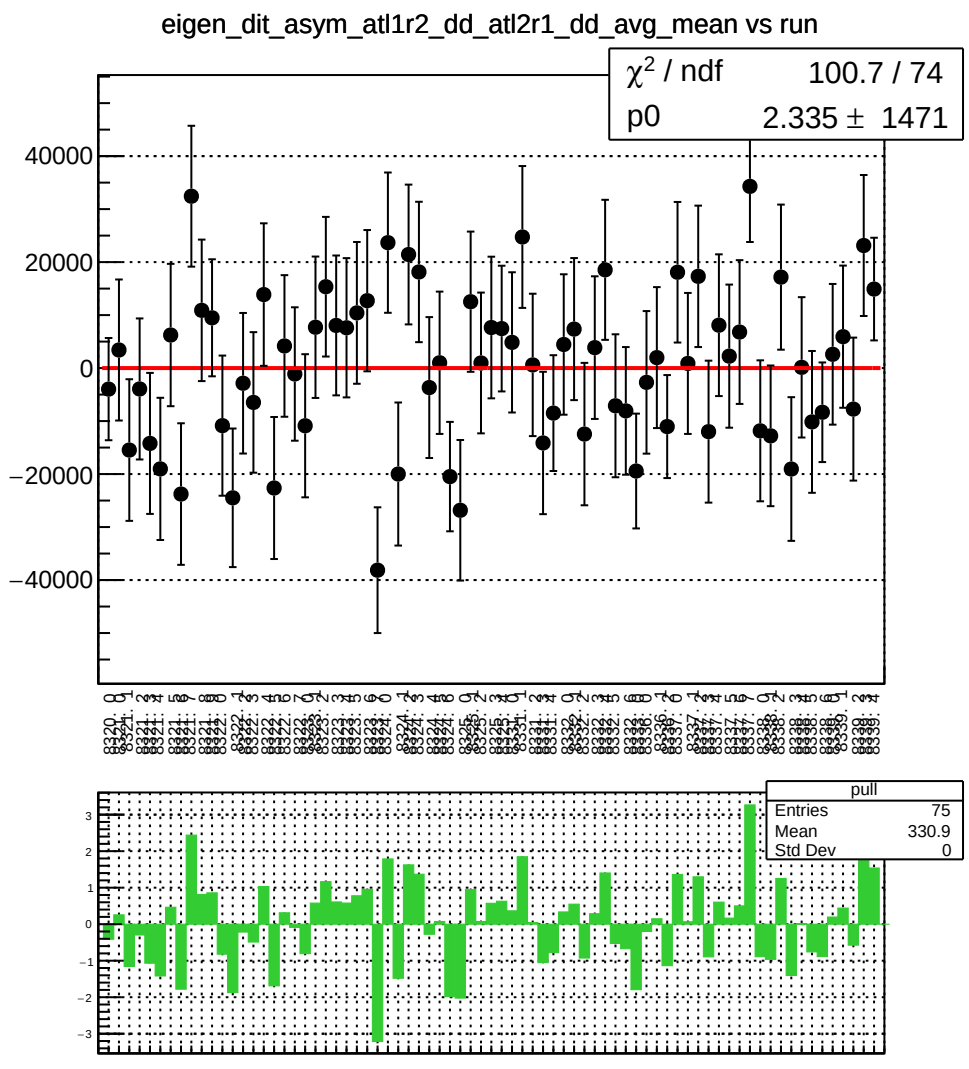

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 100.7 / 74
p0 2.332 ± 1471
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 330.9
Std Dev 0
3
2
1
0
−1
−2
−3

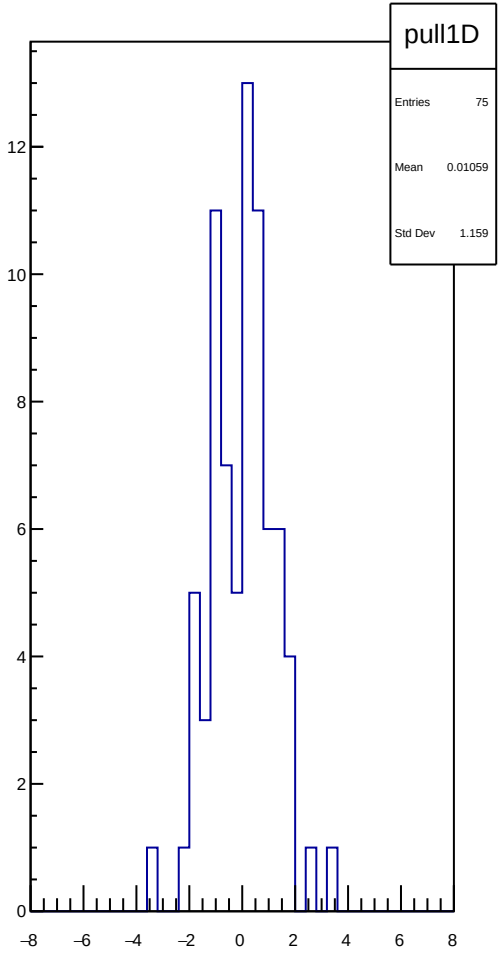

pull1D
Entries 75
Mean 0.01059
Std Dev 1.159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

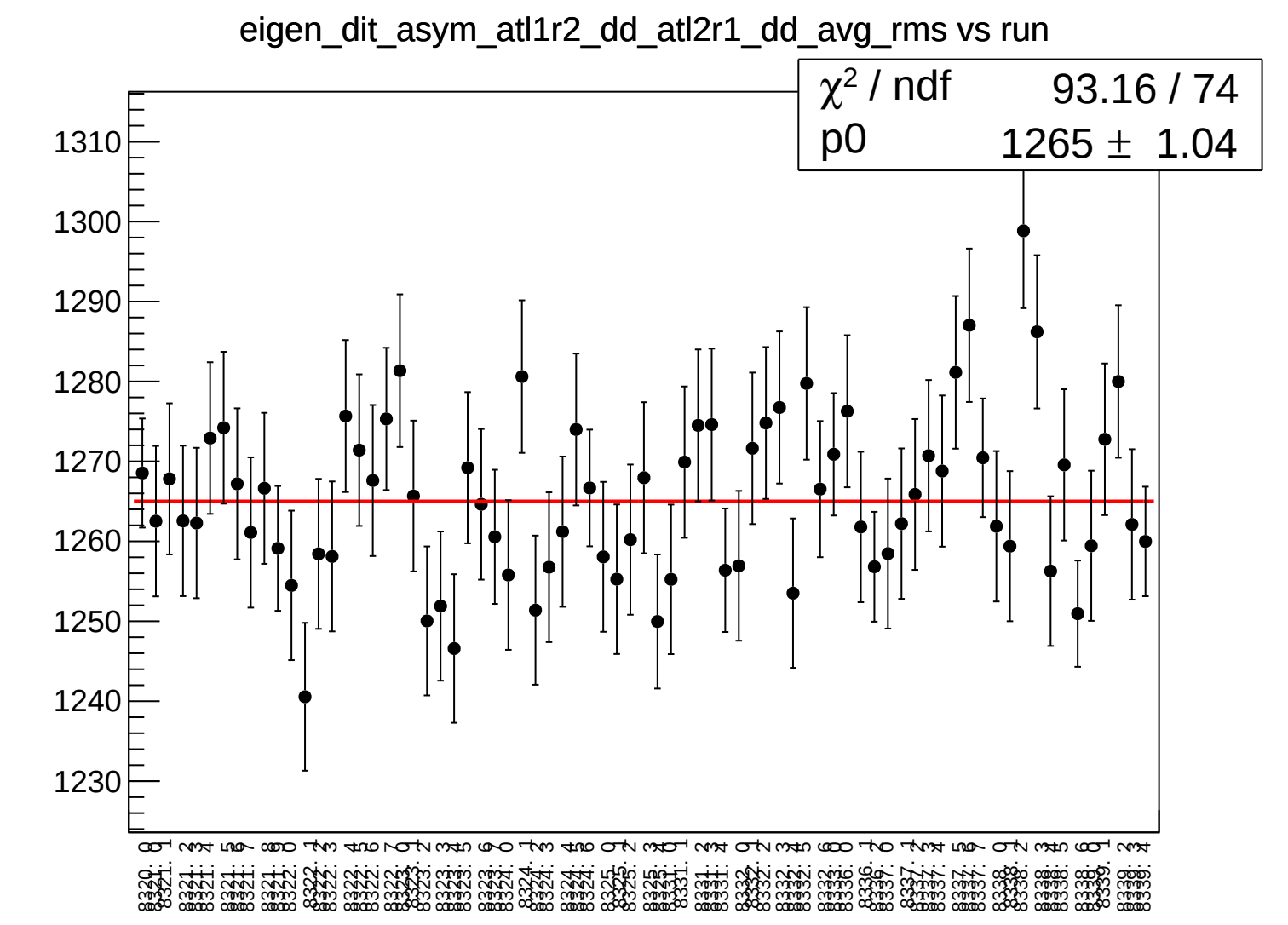

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 93.16 / 74
p0 1265 ± 1.04
1310
1300
1290
1280
1270
1260
1250
1240
1230

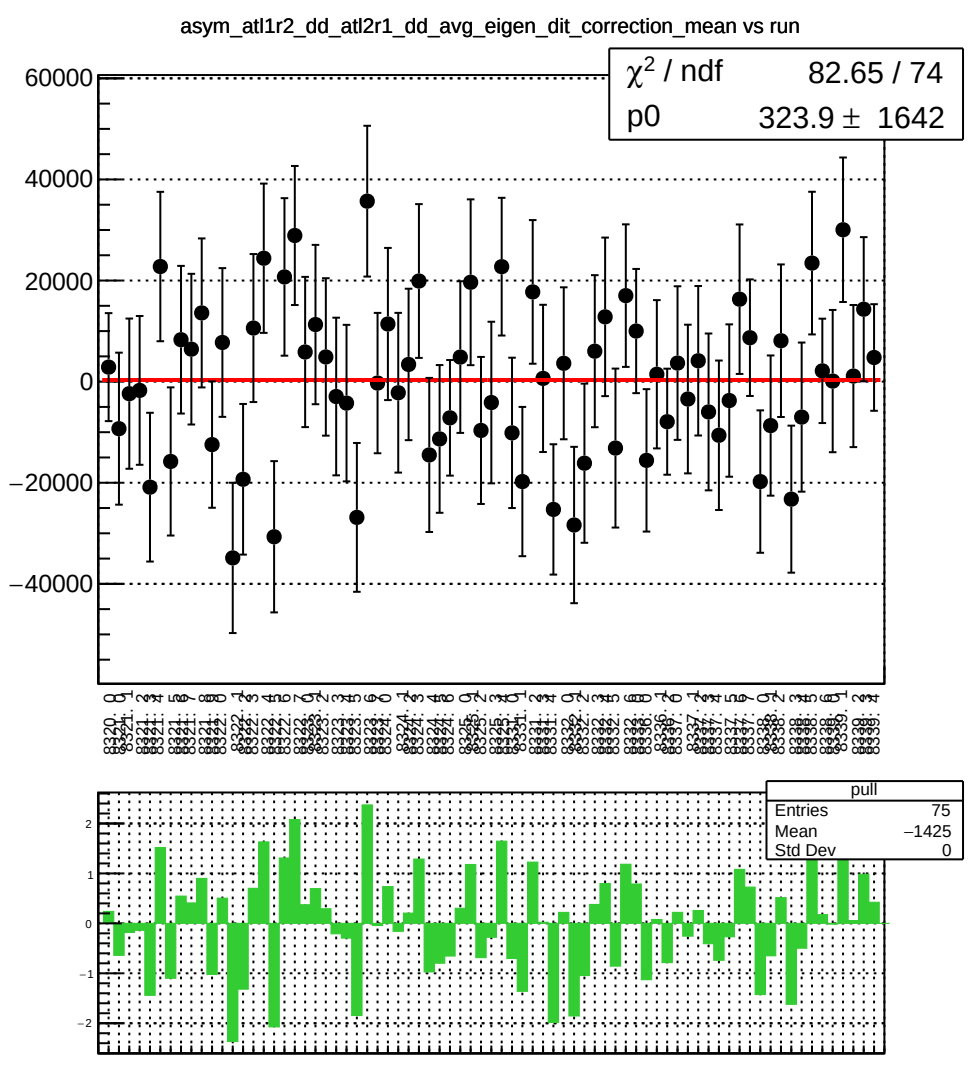

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 82.65 / 74
p0 323.9 ± 1642
60000
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1425
Std Dev 0
pull1D
Entries 75
Mean −0.0006408
Std Dev 1.05

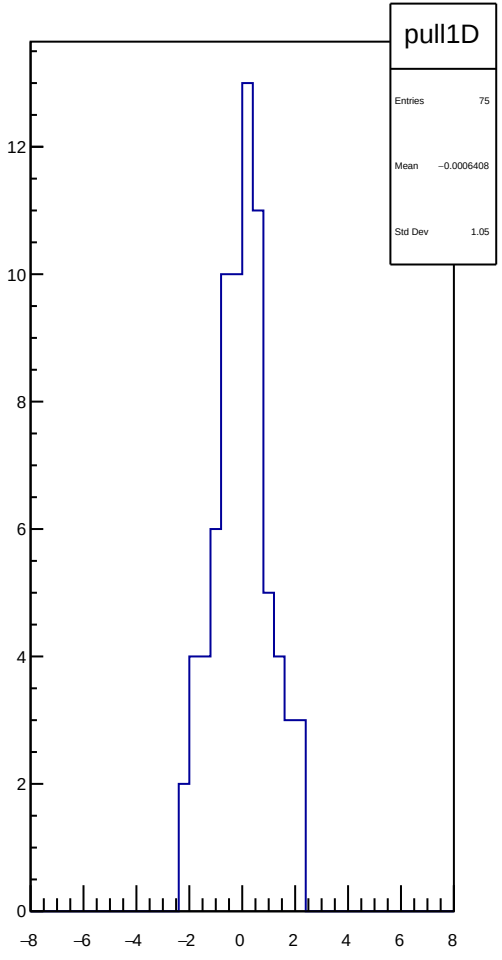

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 1602 / 74
p0 1412 ± 1.161
1550
1500
1450
1400
1350
1300

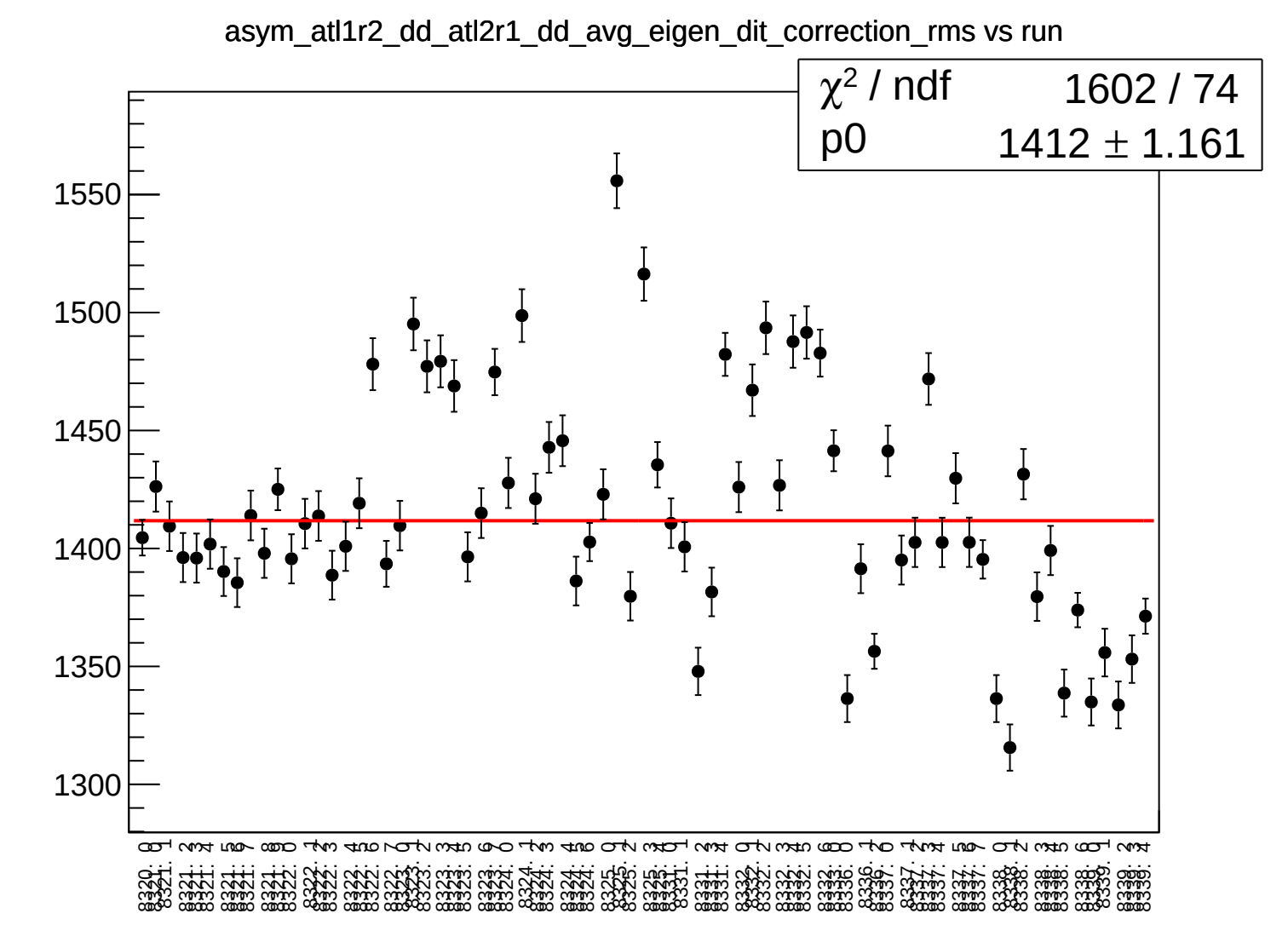

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 100.7 / 74
p0 2.335 ± 1471
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 330.9
Std Dev 0

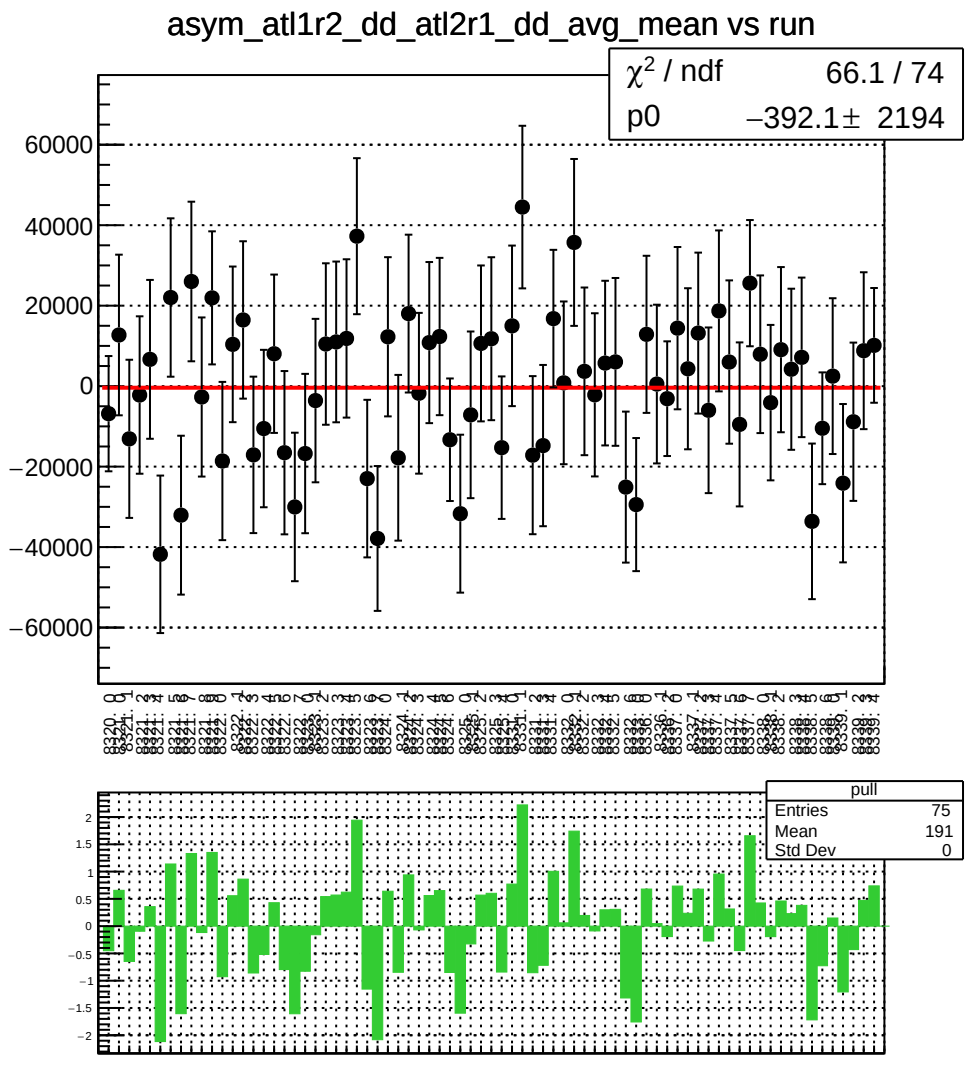

pull1D
Entries 75
Mean 0.01059
Std Dev 1.159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

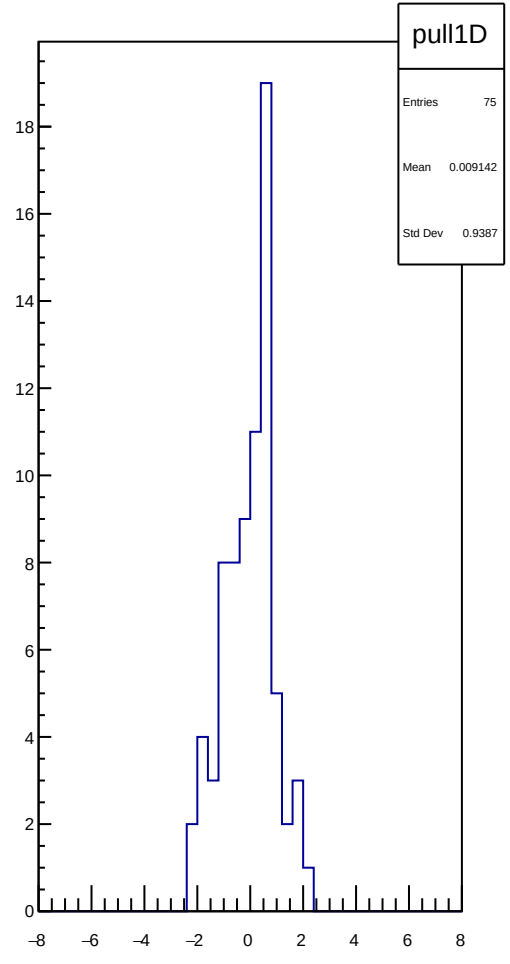

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 93.16 / 74
p0 1265 ± 1.04
1310
1300
1290
1280
1270
1260
1250
1240
1230

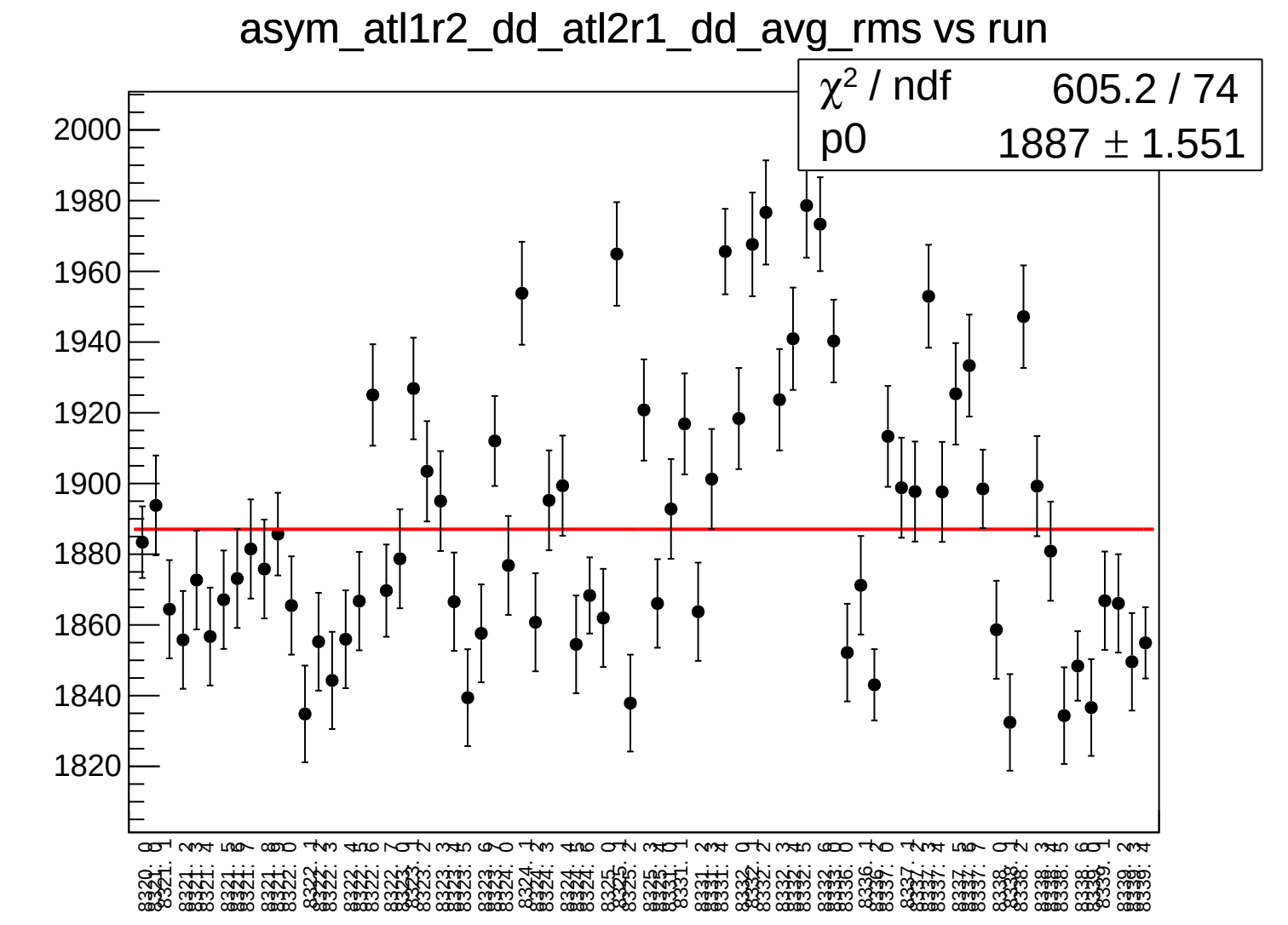

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.65 / 74
p0 323.9 ± 1642
pull
Entries 75
Mean −1425
Std Dev 0

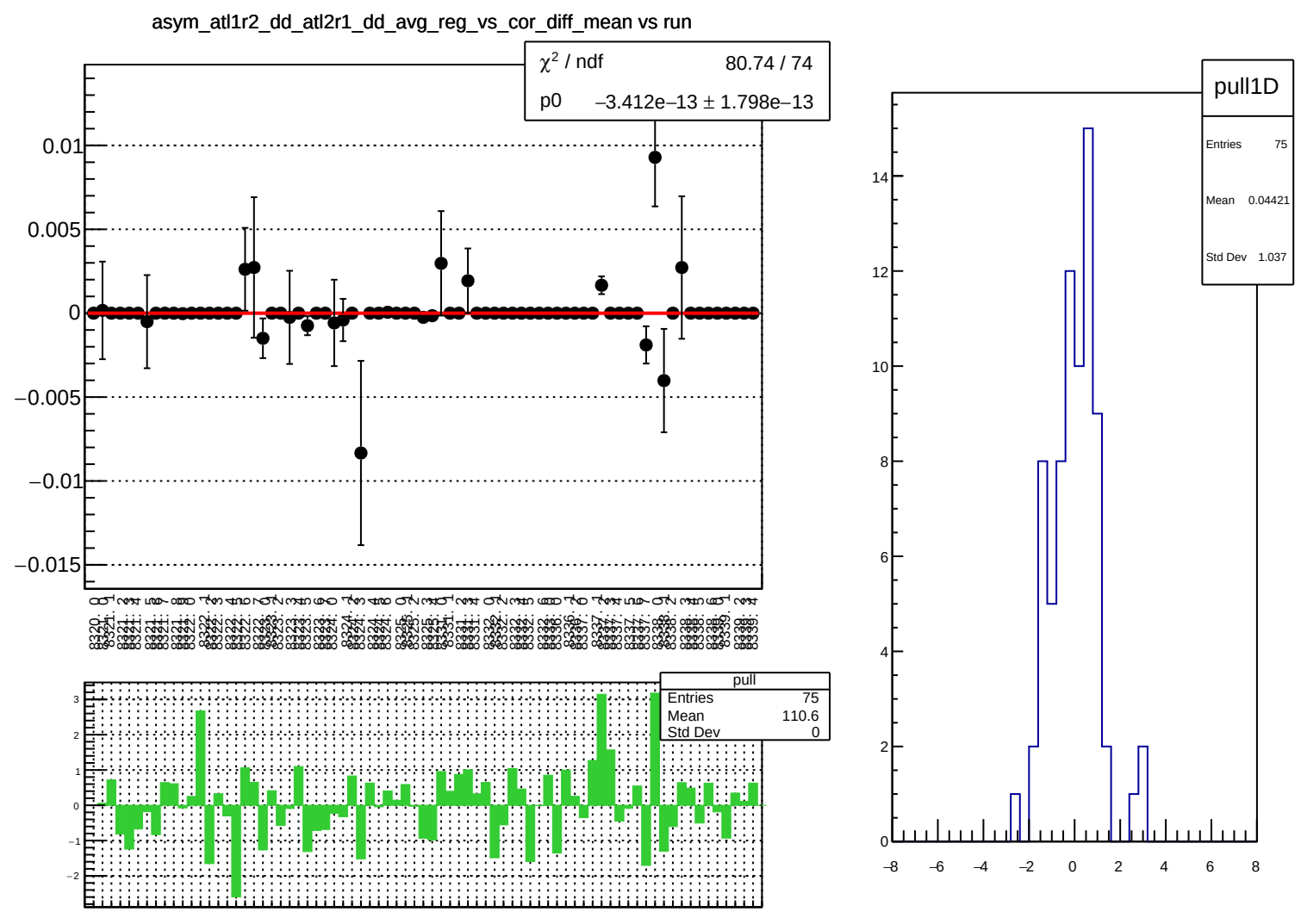

pull1D
Entries 75
Mean −0.0006408
Std Dev 1.05

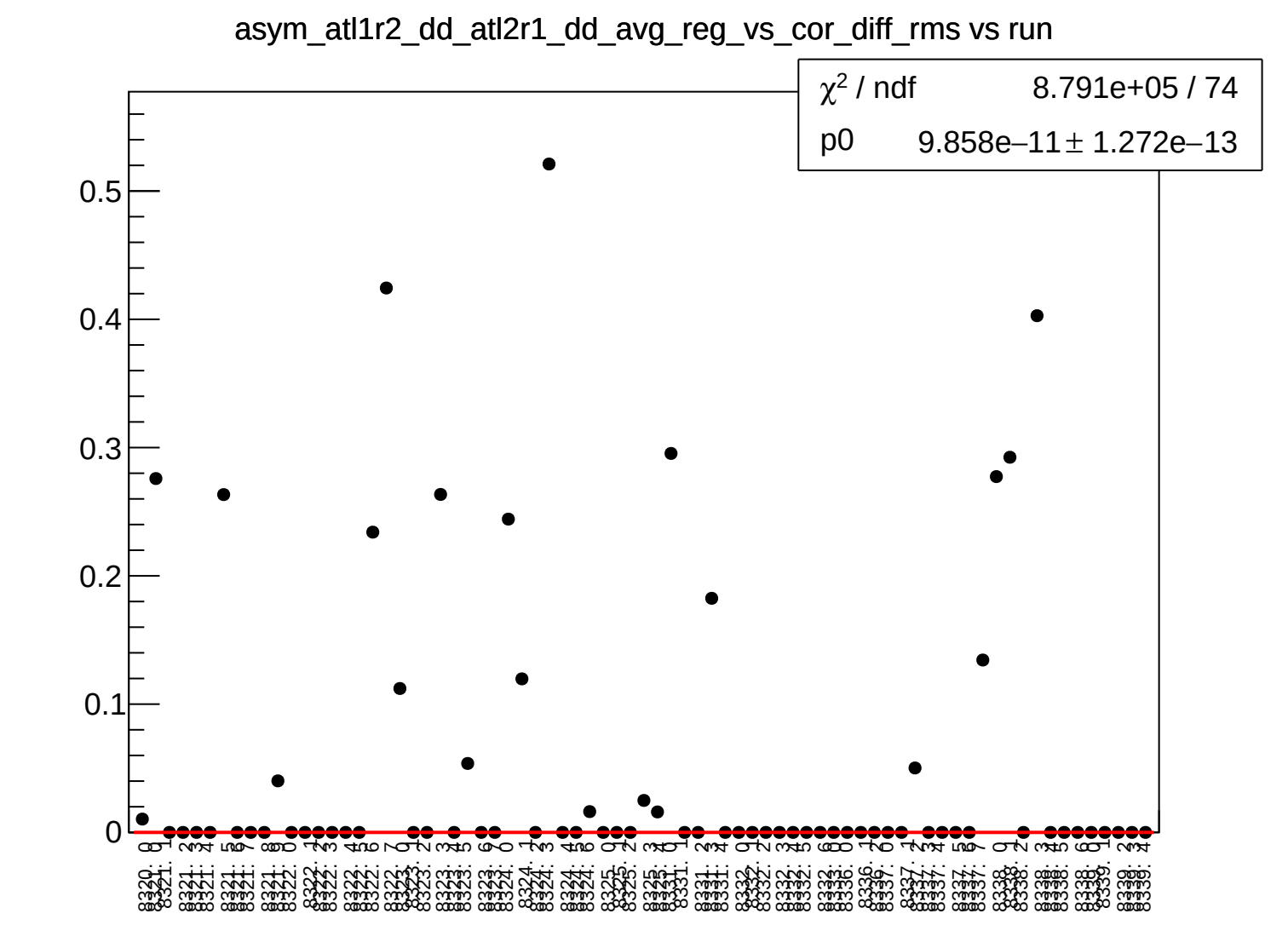

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1602 / 74
p0 1412 ± 1.161
1550
1500
1450
1400
1350
1300

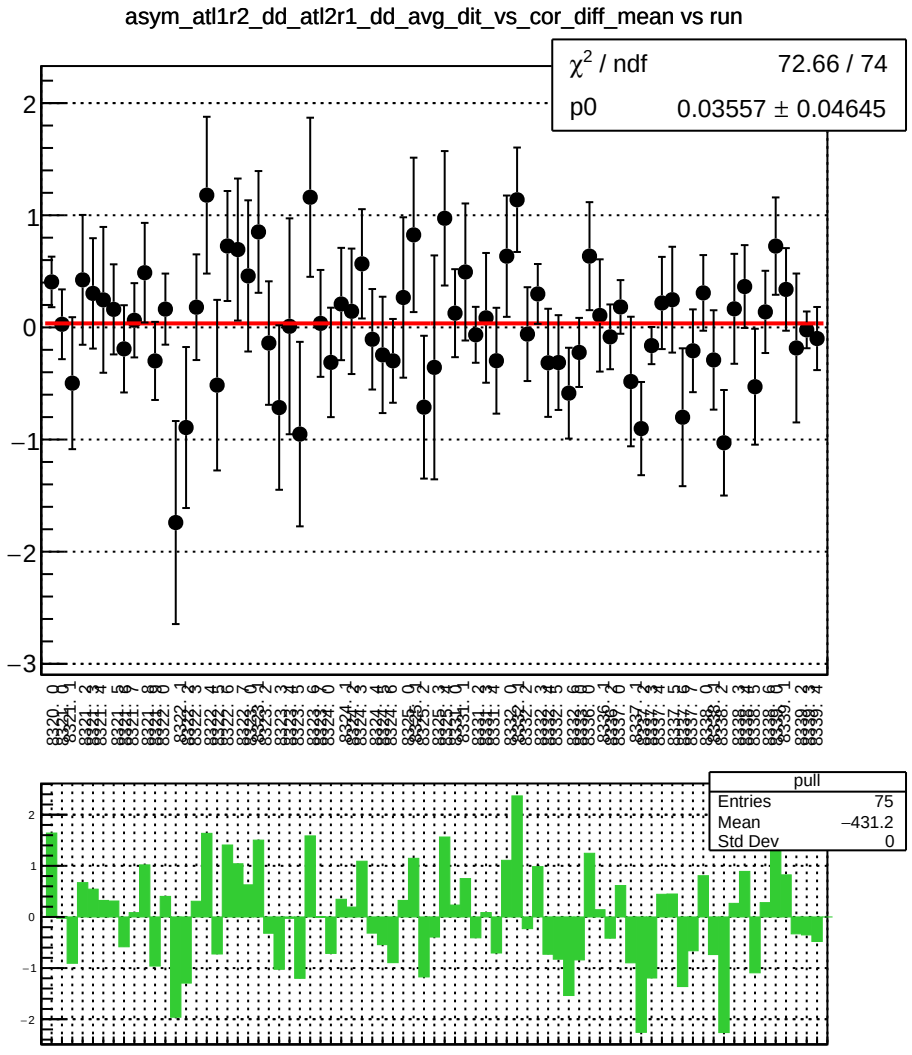

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 66.1 / 74
p0 −392.1± 2194
pull
Entries 75
Mean 191
Std Dev 0

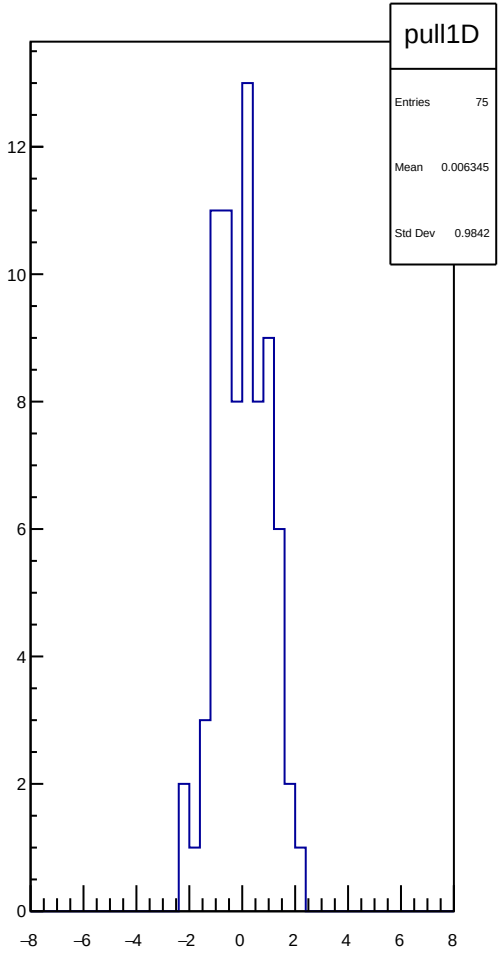

pull1D
Entries 75
Mean 0.009142
Std Dev 0.9387

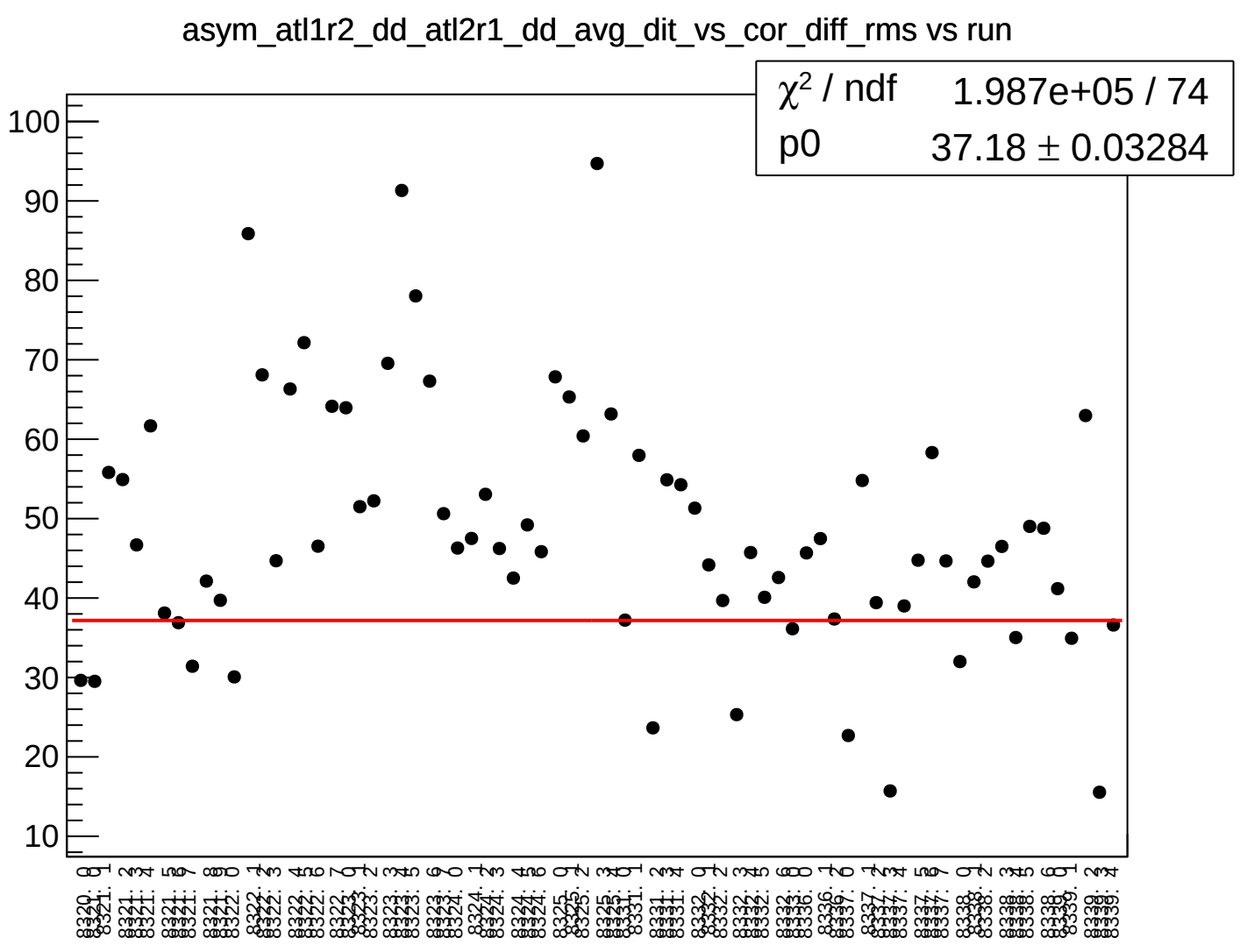

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 605.2 / 74
p0 1887 ± 1.551
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

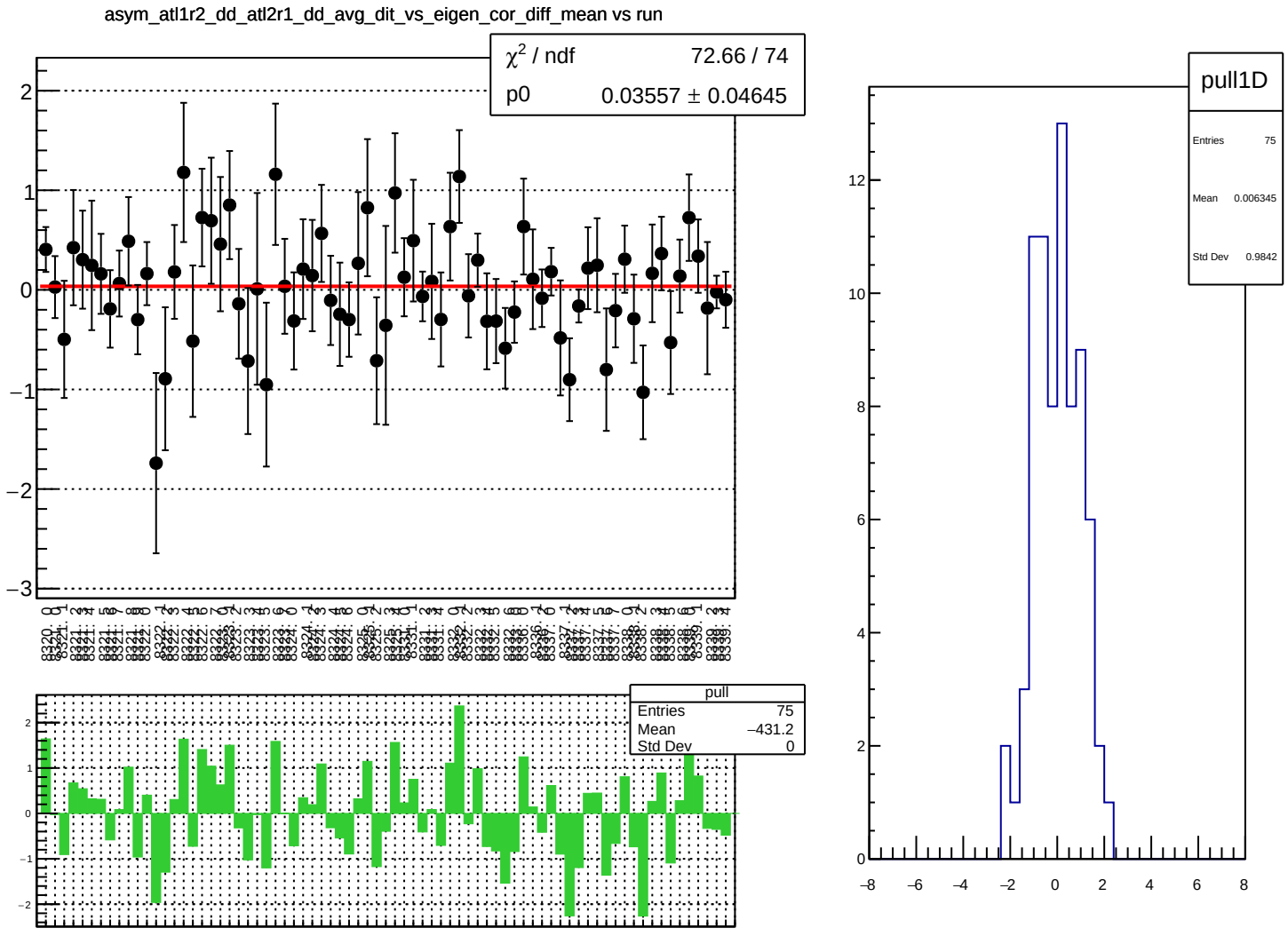

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 80.74 / 74
p0 −3.412e−13 ± 1.798e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 75
Mean 110.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.04421
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

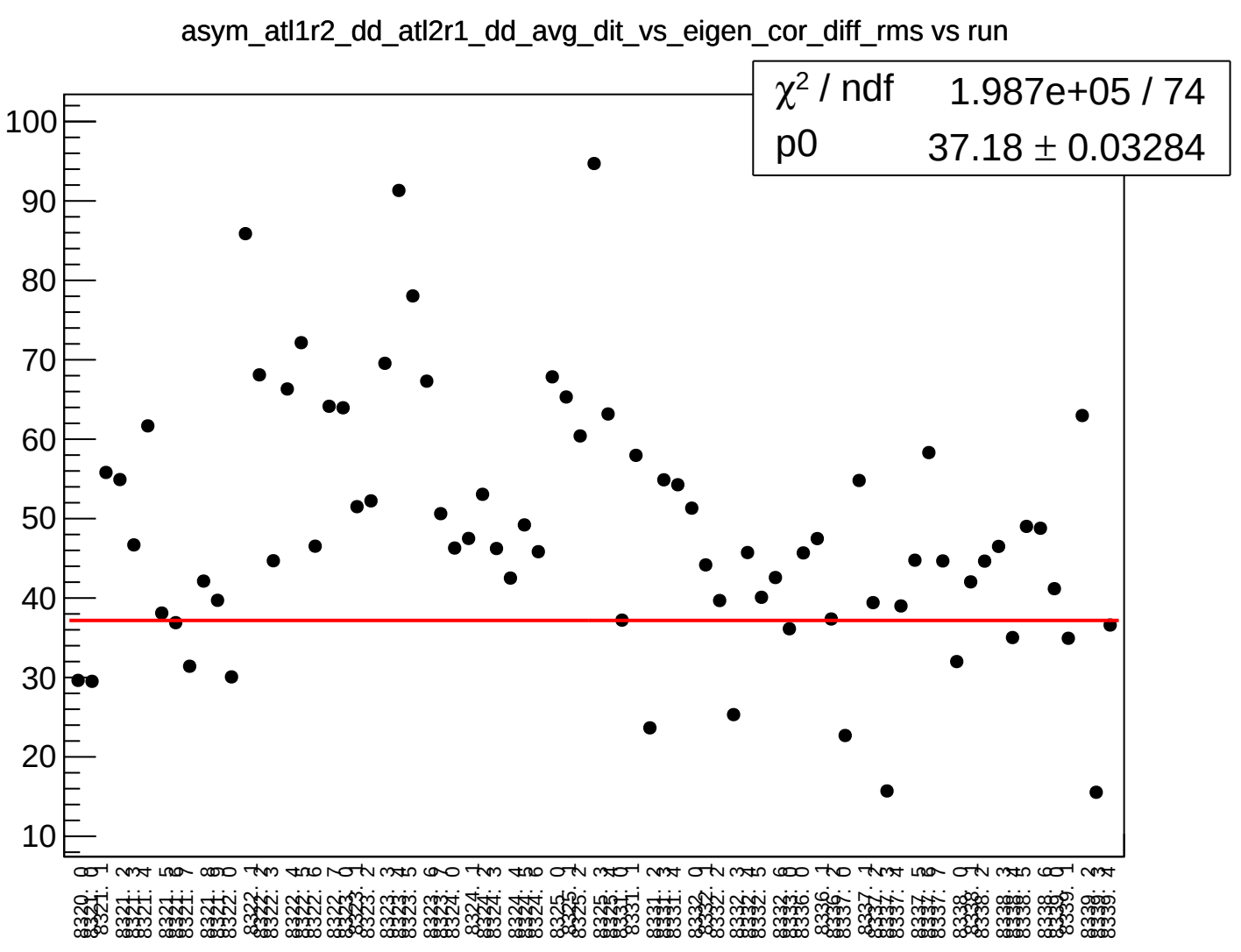

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.791e+05 / 74
p0 9.858e−11 ± 1.272e−13
0.5
0.4
0.3
0.2
0.1
0

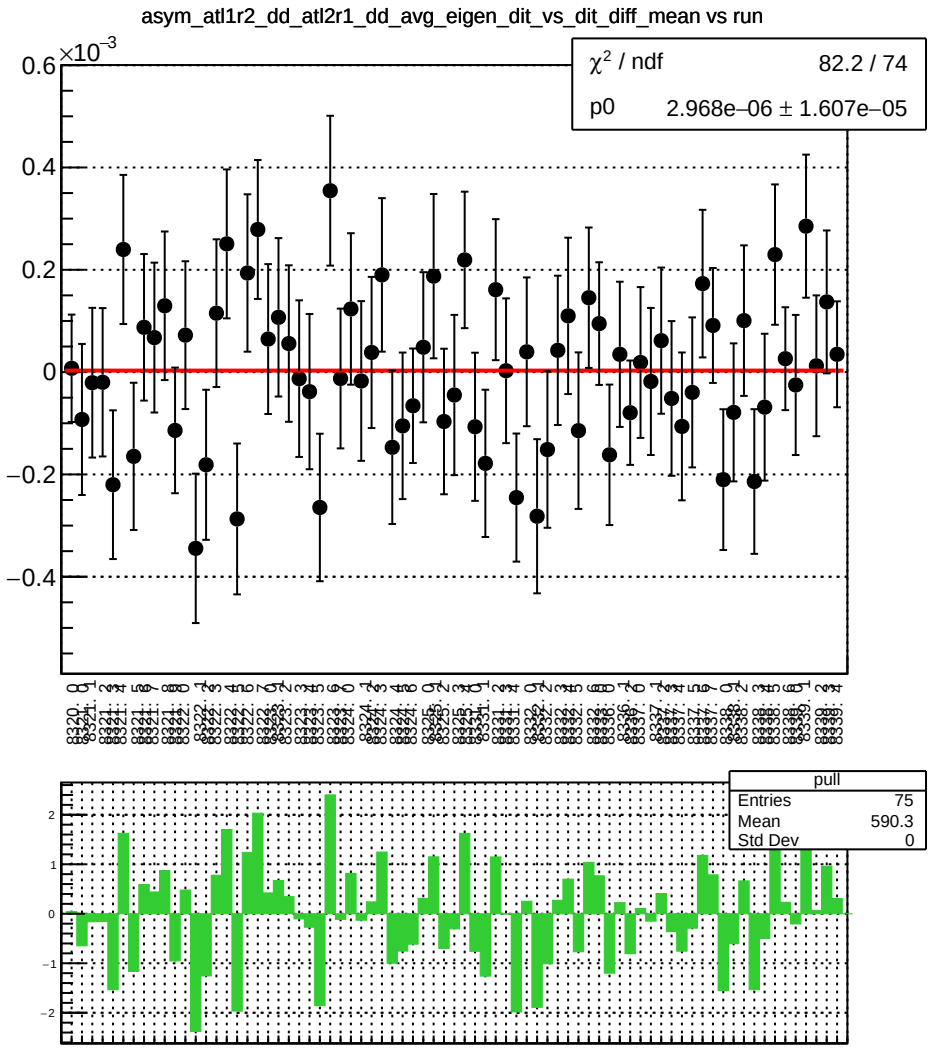

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03557 ± 0.04645
pull
Entries 75
Mean −431.2
Std Dev 0

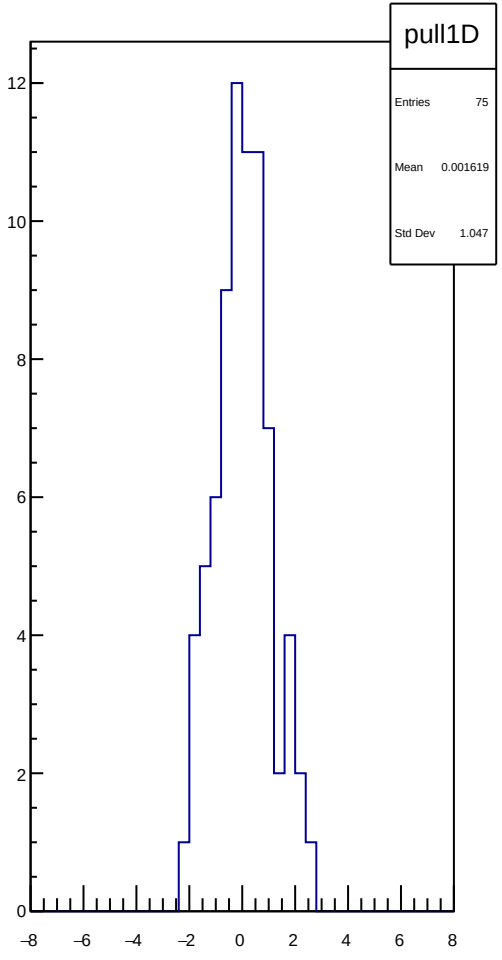

pull1D
Entries 75
Mean 0.006345
Std Dev 0.9842

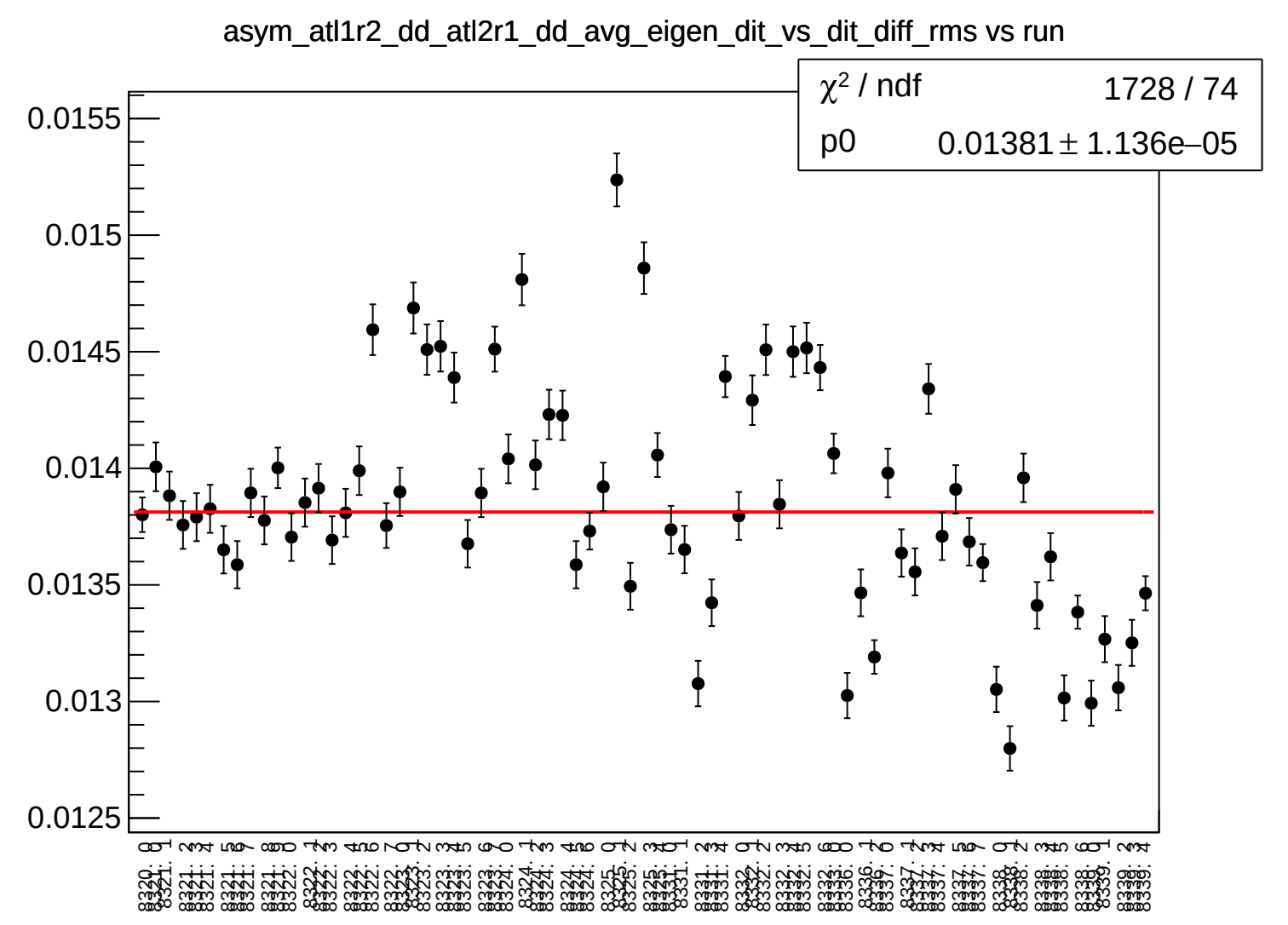

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

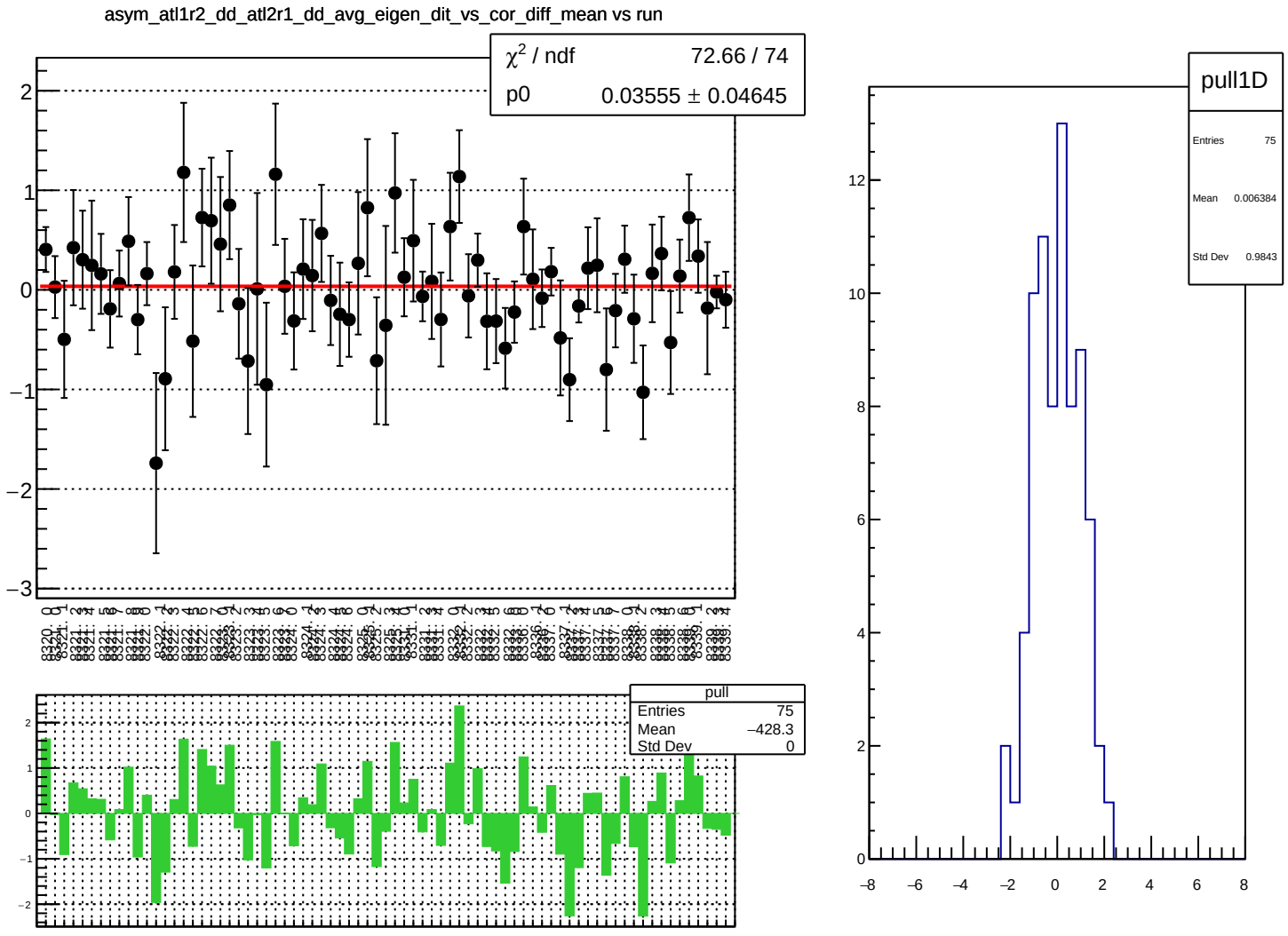

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03557 ± 0.04645
pull
Entries 75
Mean −431.2
Std Dev 0
pull1D
Entries 75
Mean 0.006345
Std Dev 0.9842

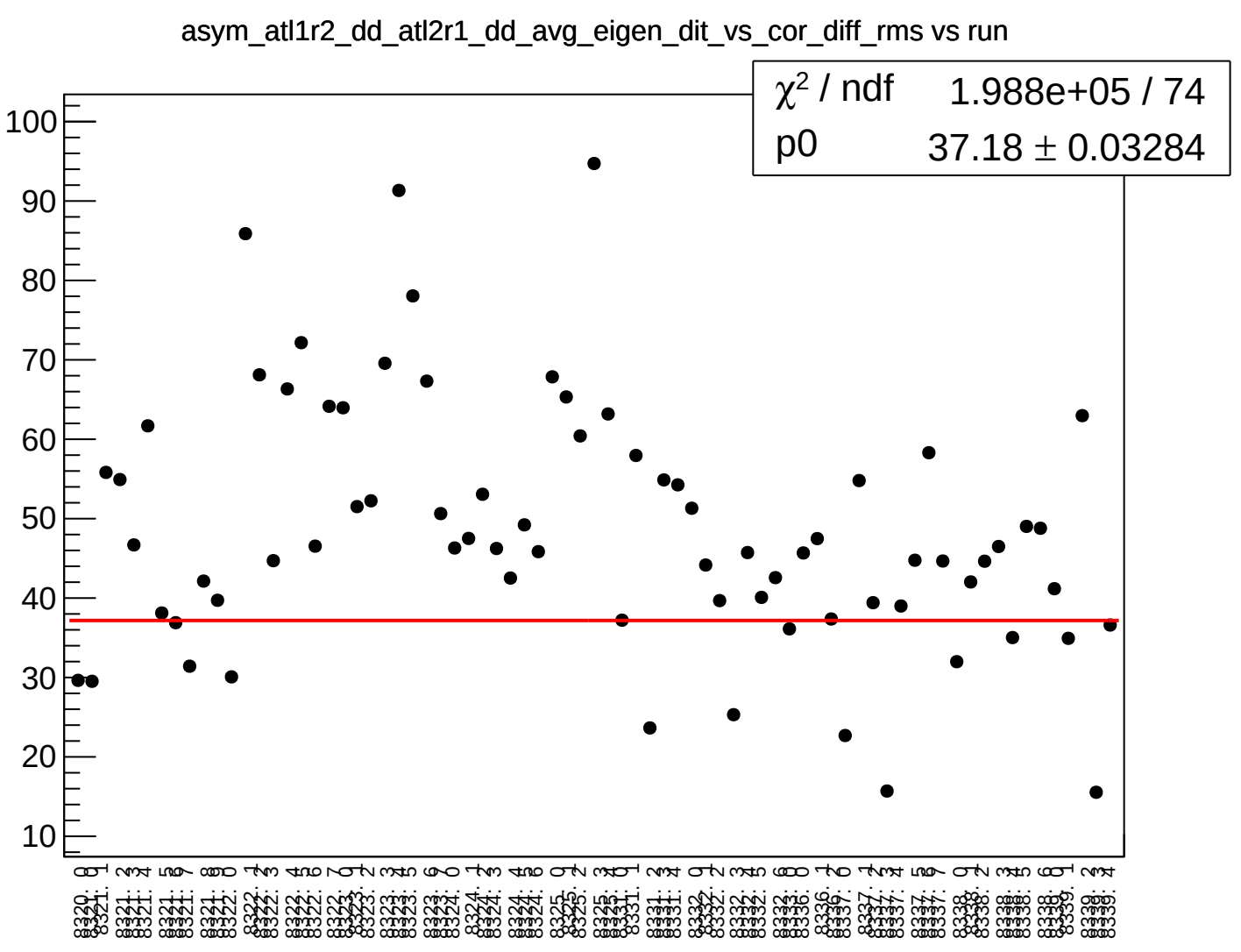

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.987e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

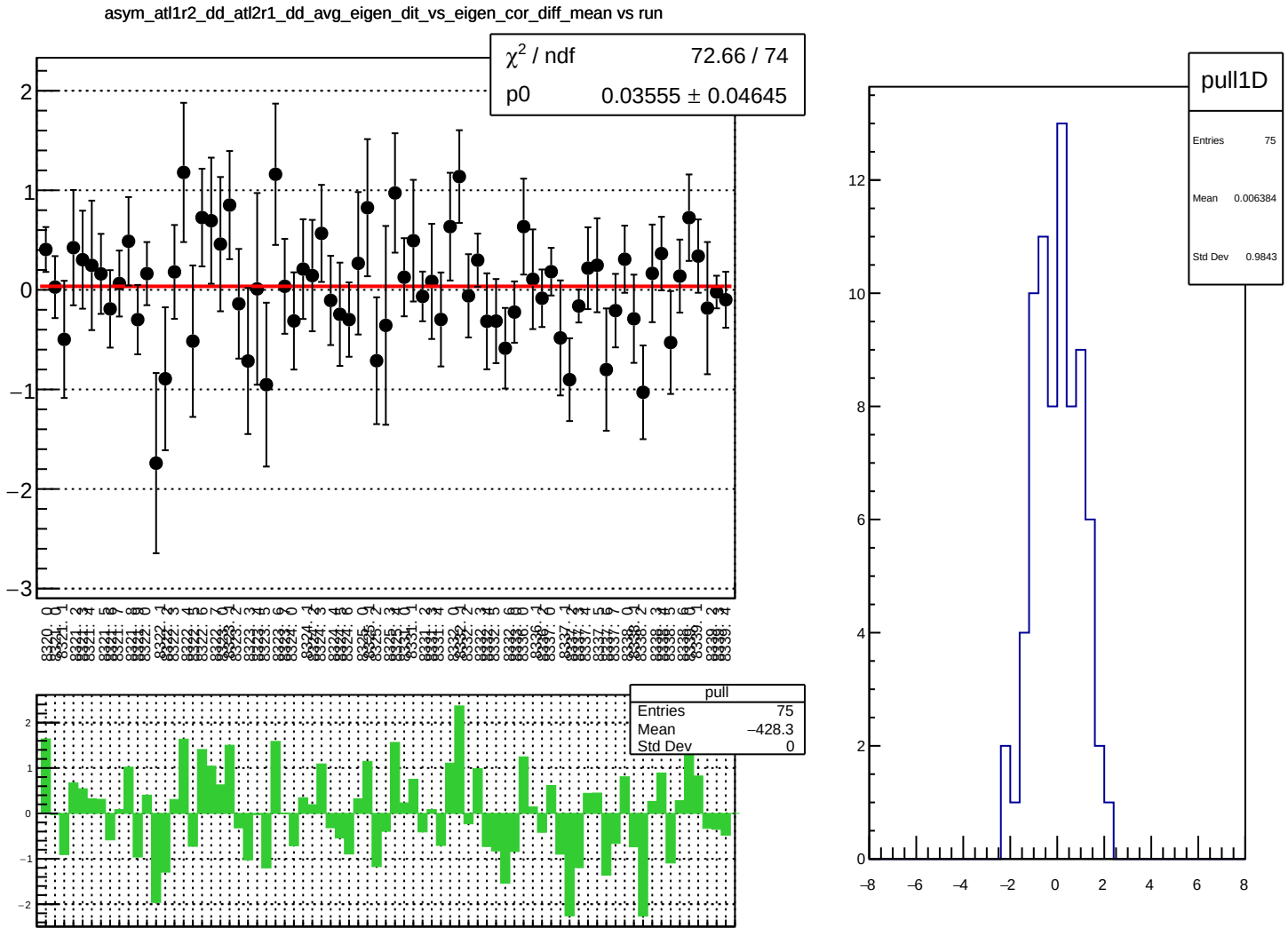

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 82.2 / 74
p0 2.968e−06 ± 1.607e−05
pull
Entries 75
Mean 590.3
Std Dev 0

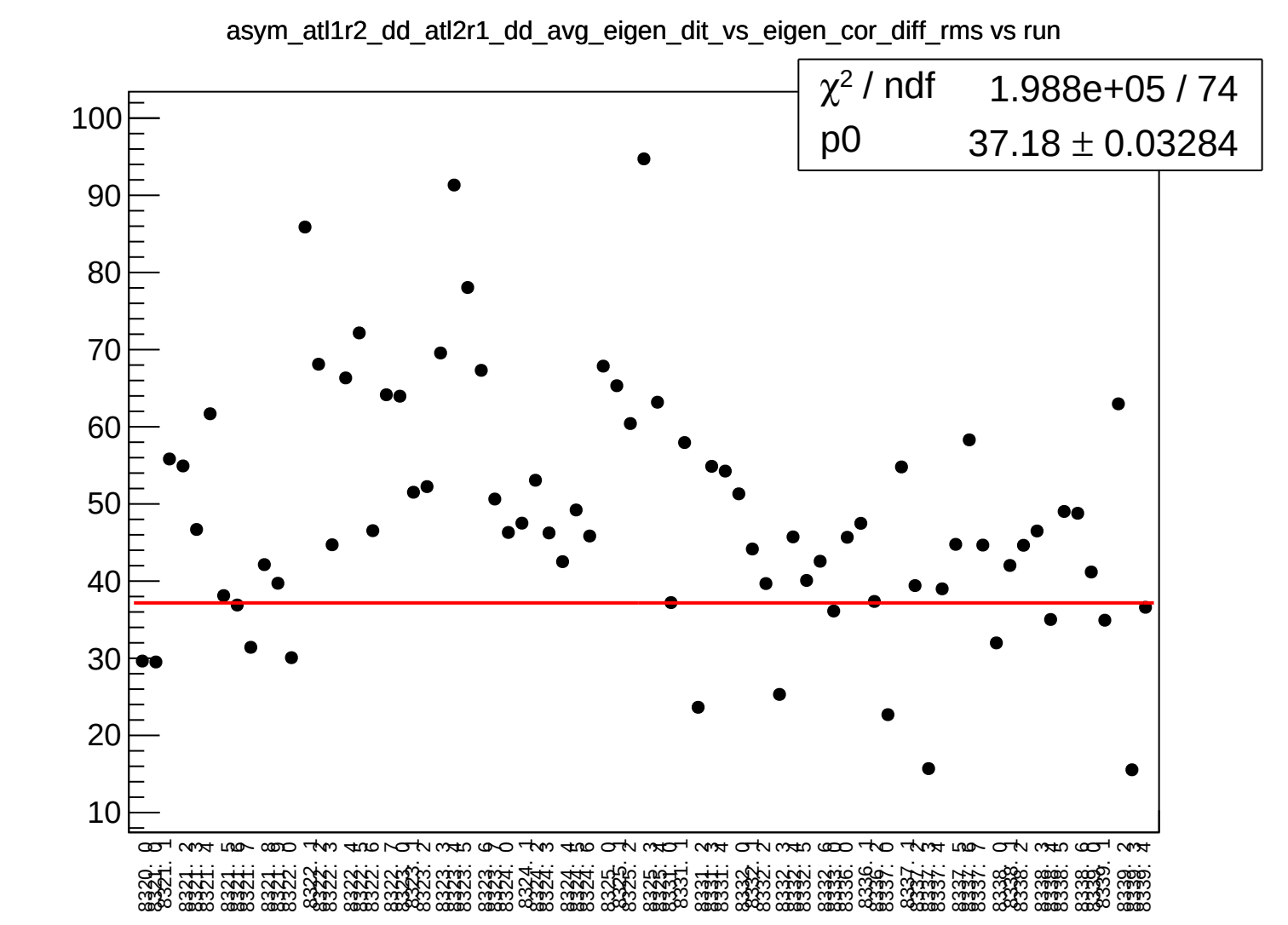

pull1D
Entries 75
Mean 0.001619
Std Dev 1.047

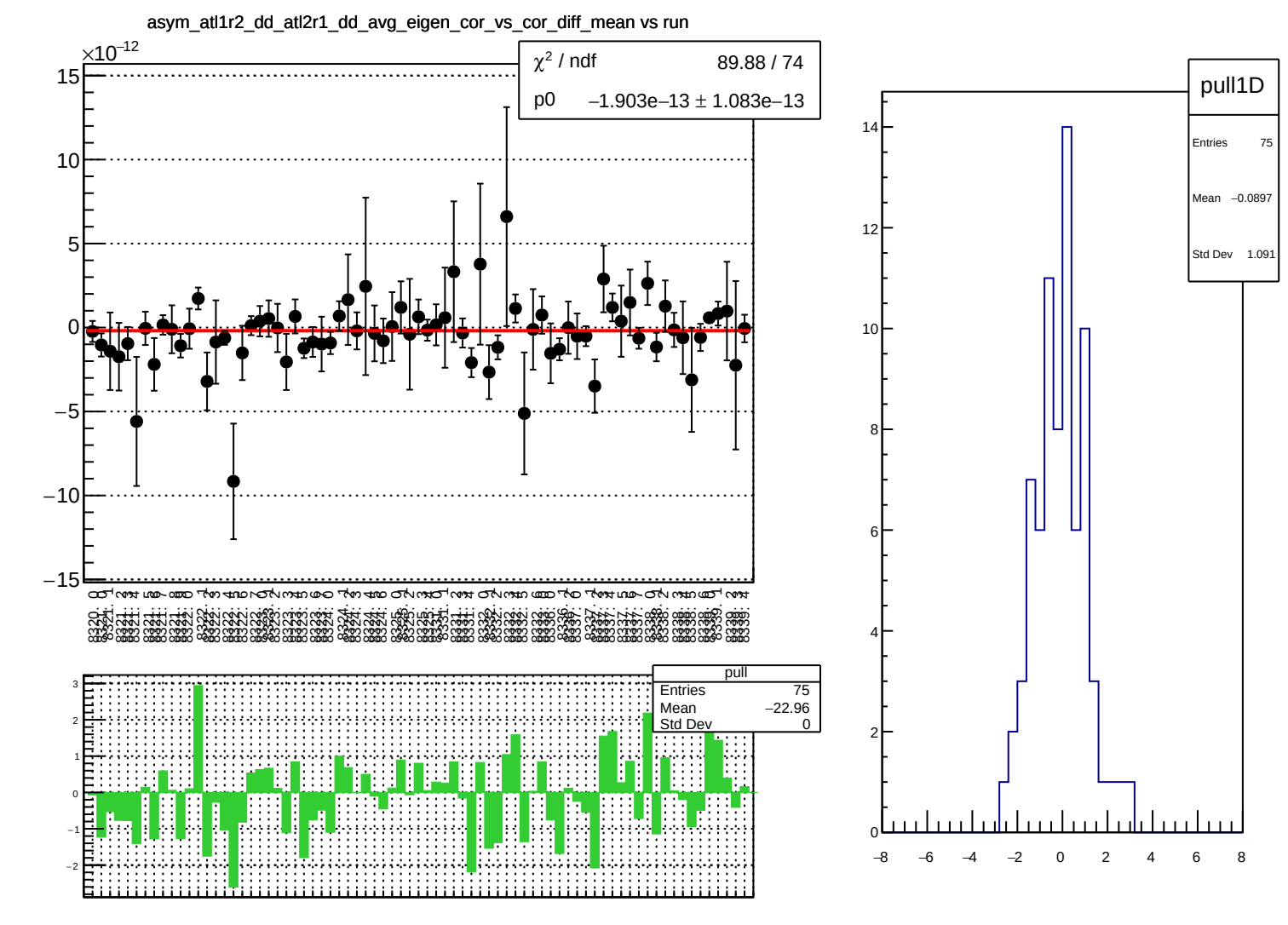

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1728 / 74
p0 0.01381 ± 1.136e–05
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125

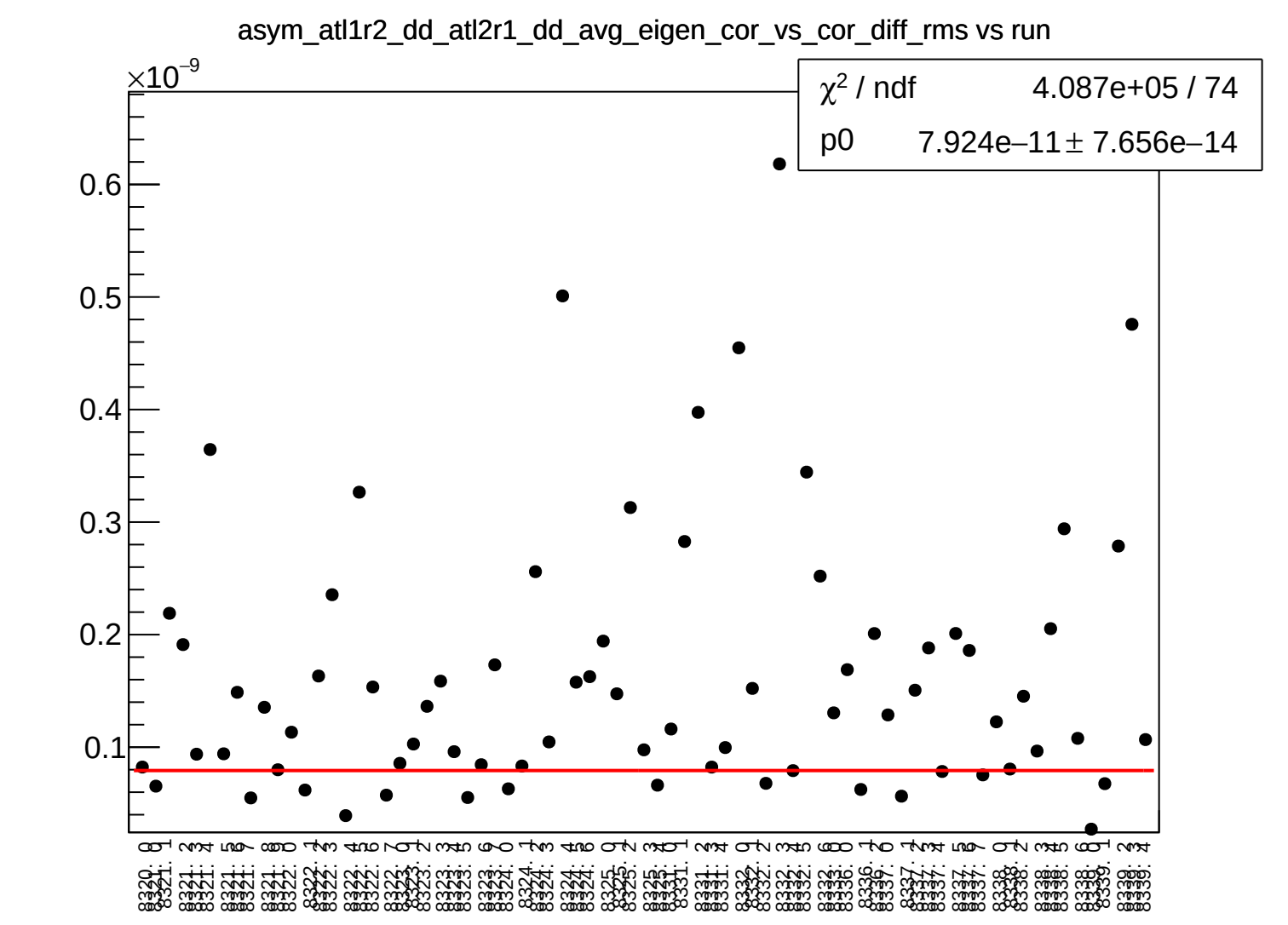

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03555 ± 0.04645
pull
Entries 75
Mean −428.3
Std Dev 0
pull1D
Entries 75
Mean 0.006384
Std Dev 0.9843

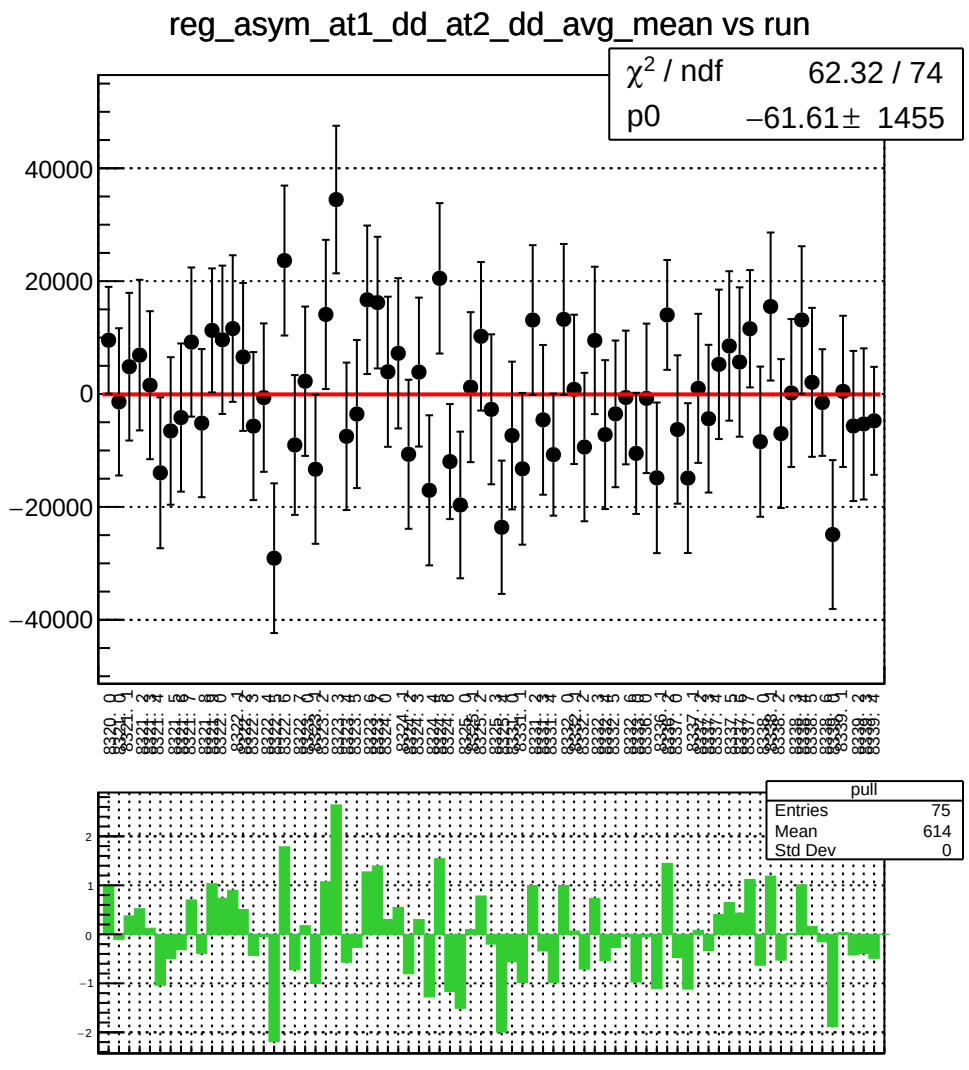

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.988e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

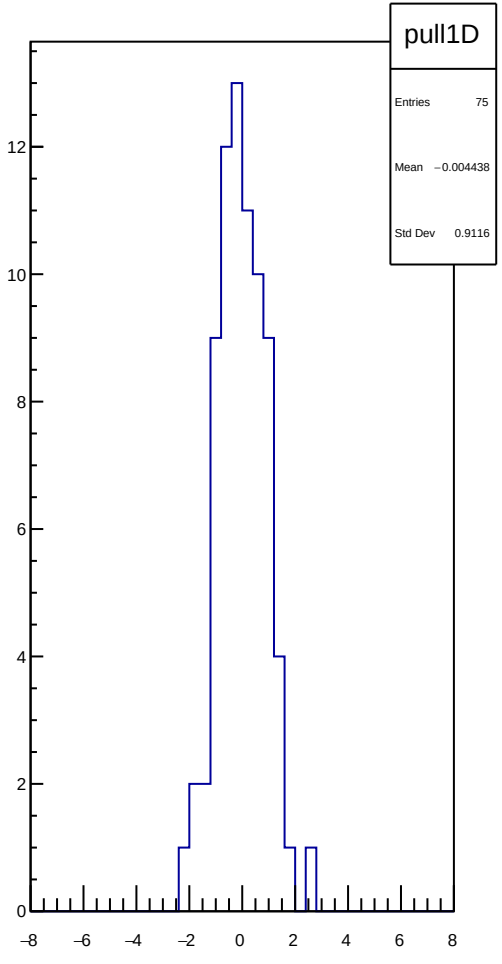

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.66 / 74
p0 0.03555 ± 0.04645
pull
Entries 75
Mean −428.3
Std Dev 0
pull1D
Entries 75
Mean 0.006384
Std Dev 0.9843

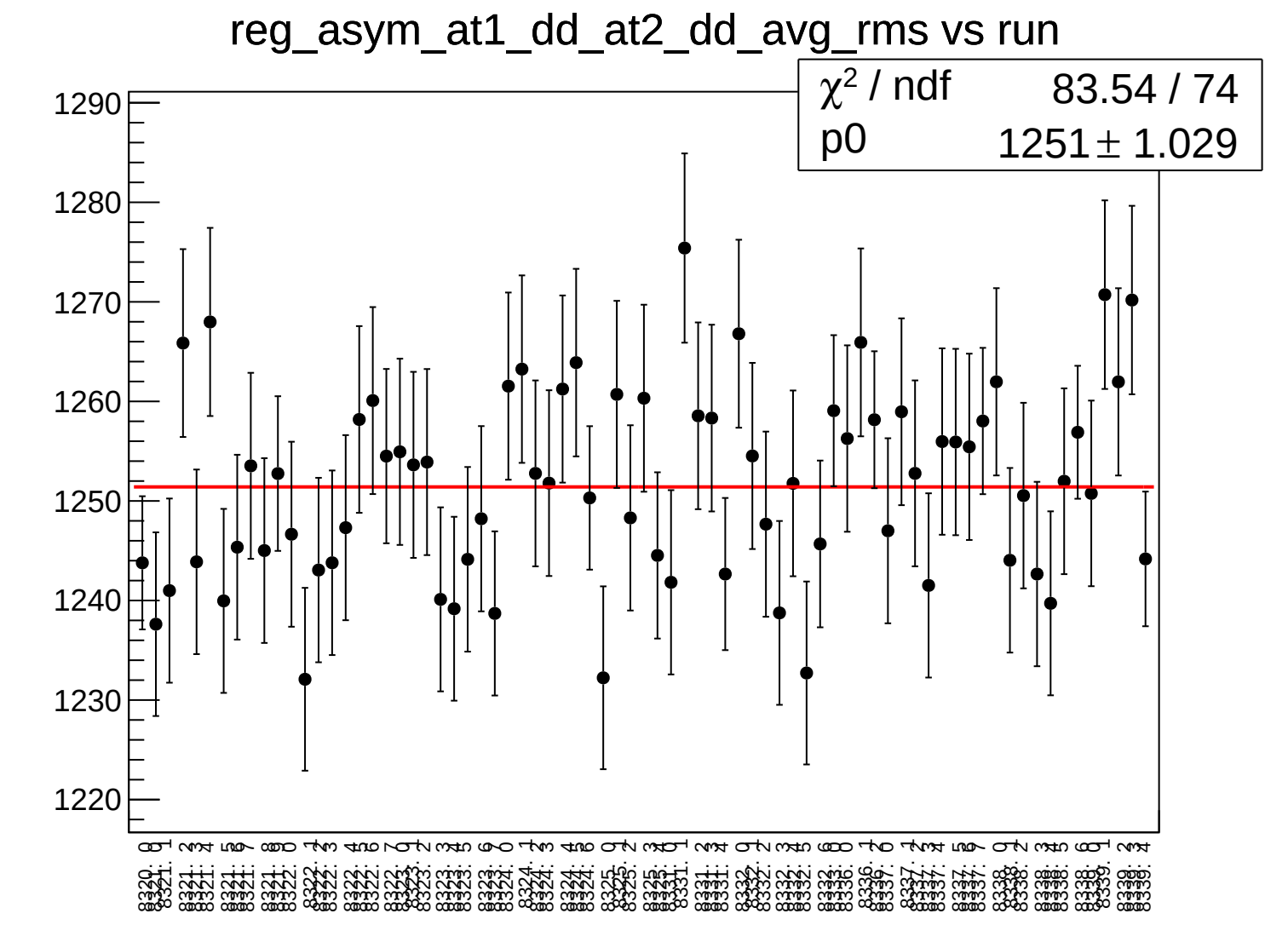

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.988e+05 / 74
p0 37.18 ± 0.03284
100
90
80
70
60
50
40
30
20
10

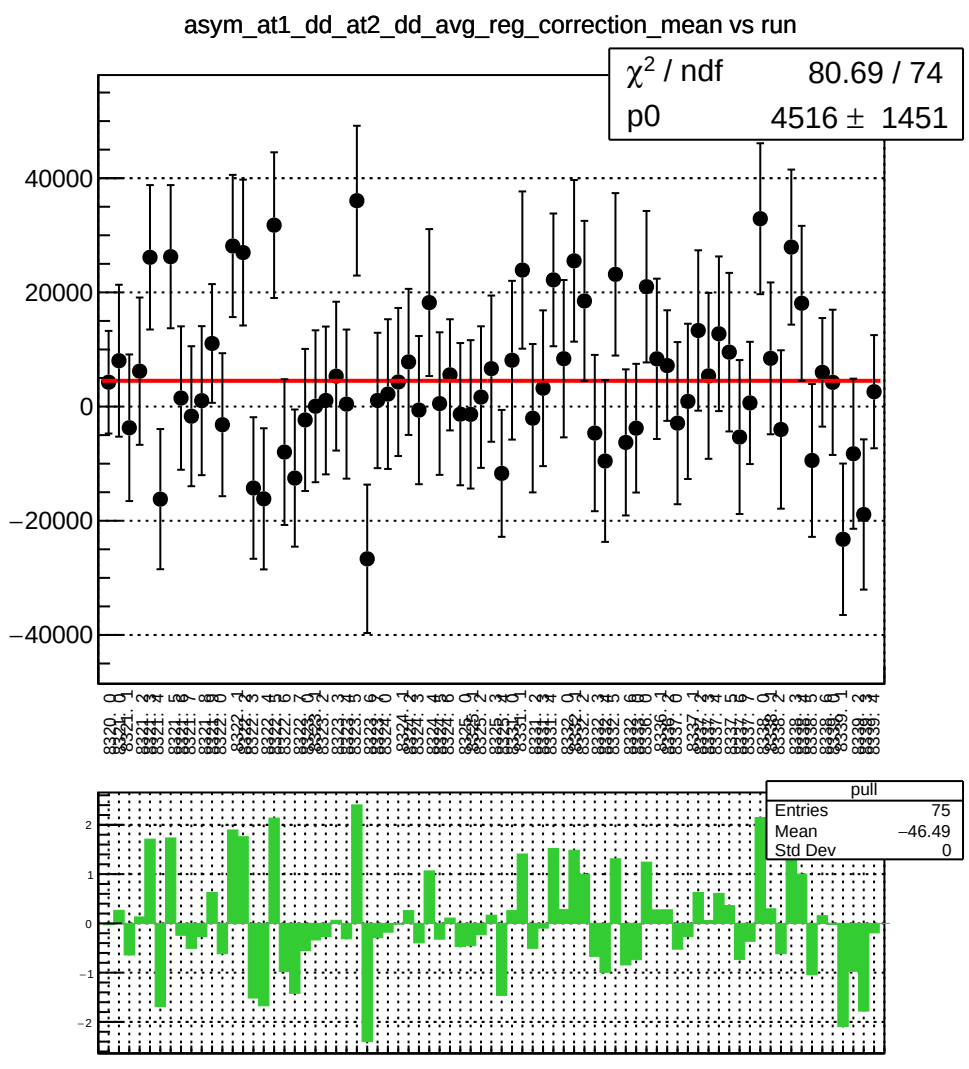

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 89.88 / 74
p0 −1.903e−13 ± 1.083e−13
pull
Entries 75
Mean −22.96
Std Dev 0
pull1D
Entries 75
Mean −0.0897
Std Dev 1.091

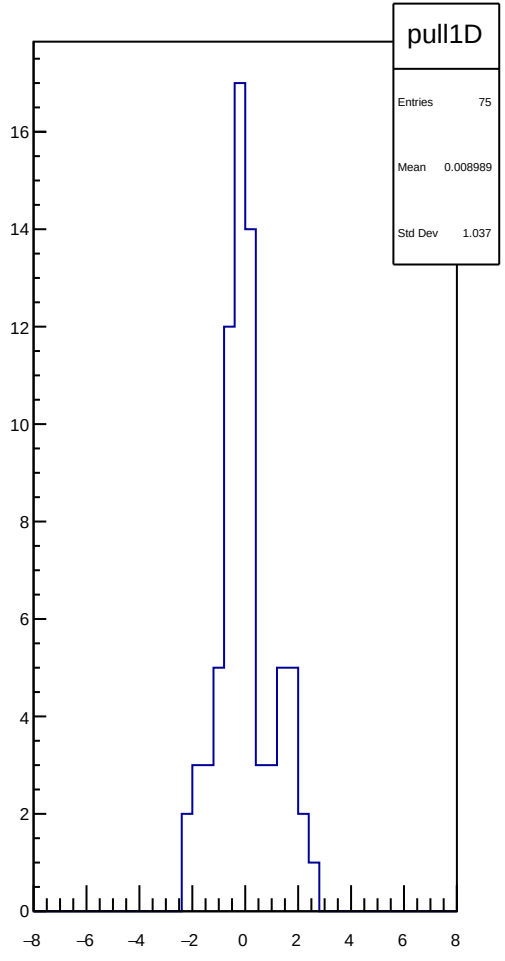

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.087e+05 / 74
p0 7.924e−11 ± 7.656e−14
0.6
0.5
0.4
0.3
0.2
0.1

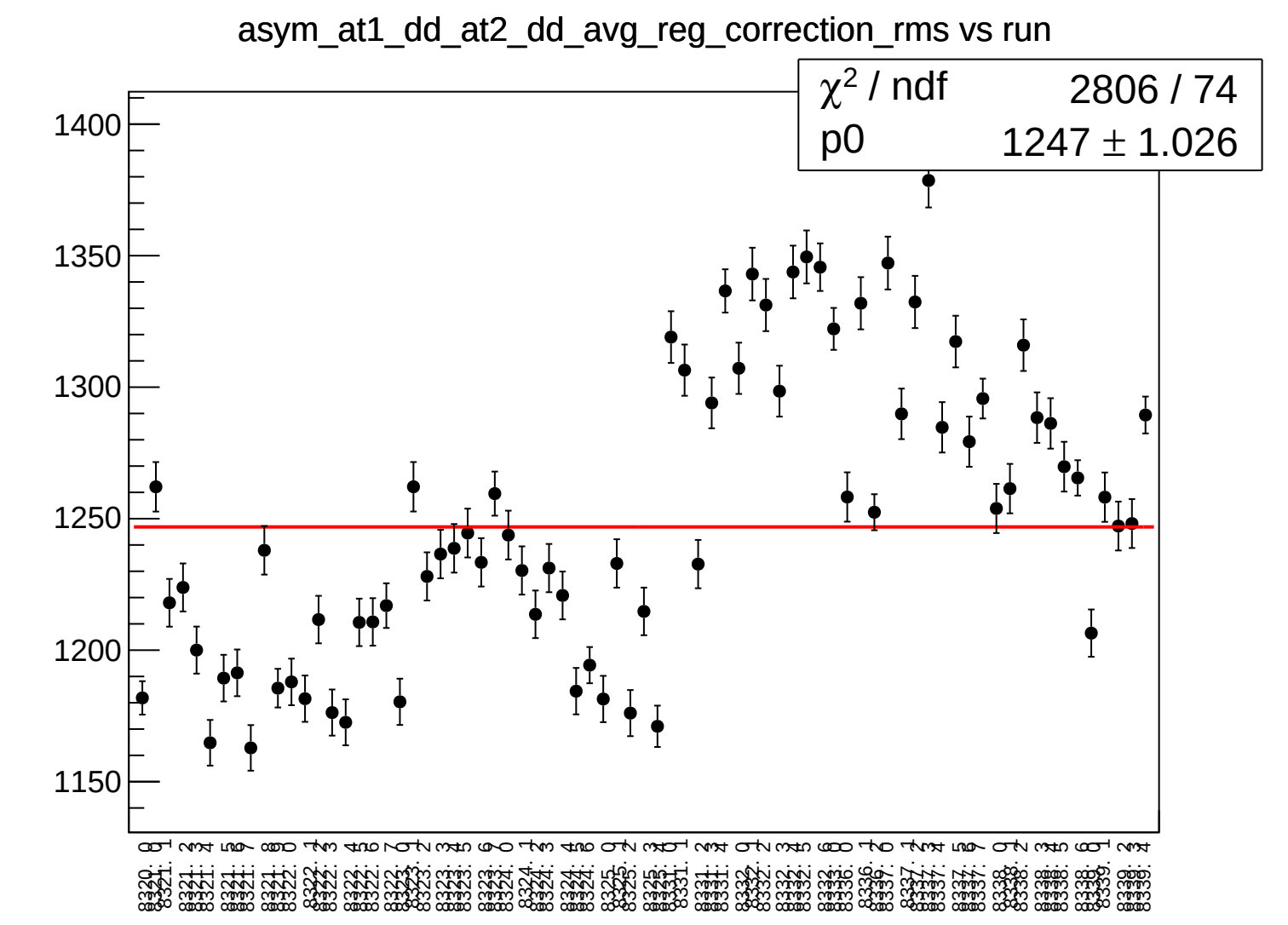

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 62.32 / 74
p0 −61.61± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 614
Std Dev 0
2
1
0
−1
−2

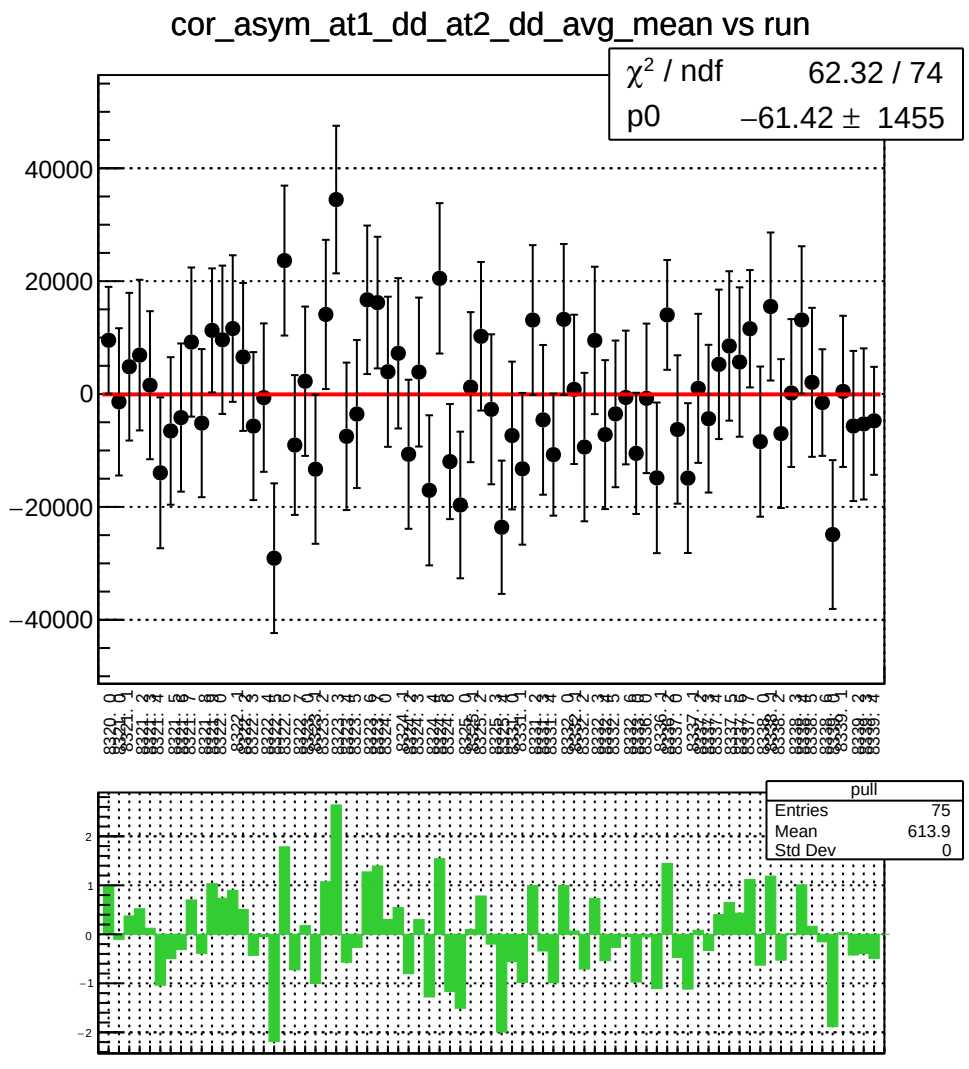

pull1D
Entries 75
Mean −0.004438
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

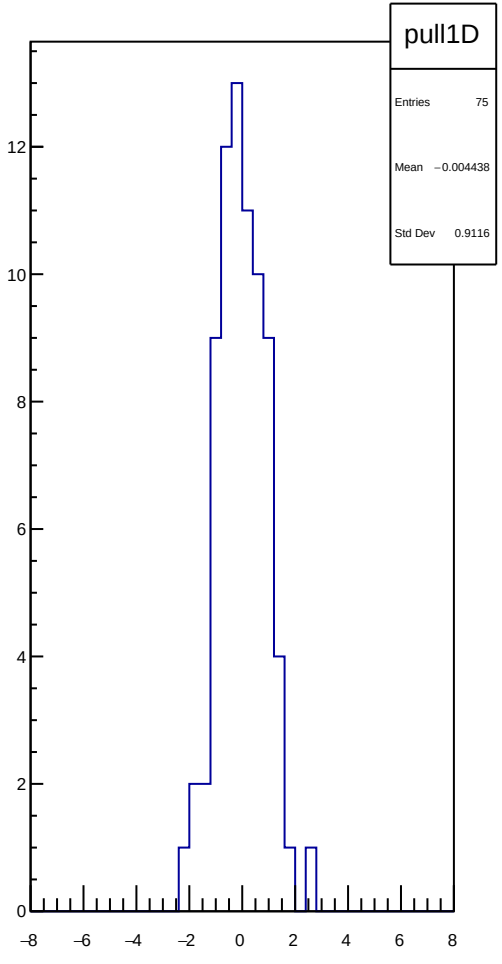

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 83.54 / 74
p0 1251 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220


asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 80.69 / 74
p0 4516 ± 1451
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −46.49
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean 0.008989
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 2806 / 74
p0 1247 ± 1.026
1400
1350
1300
1250
1200
1150


cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 62.32 / 74
p0 −61.42 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 613.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.004438
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
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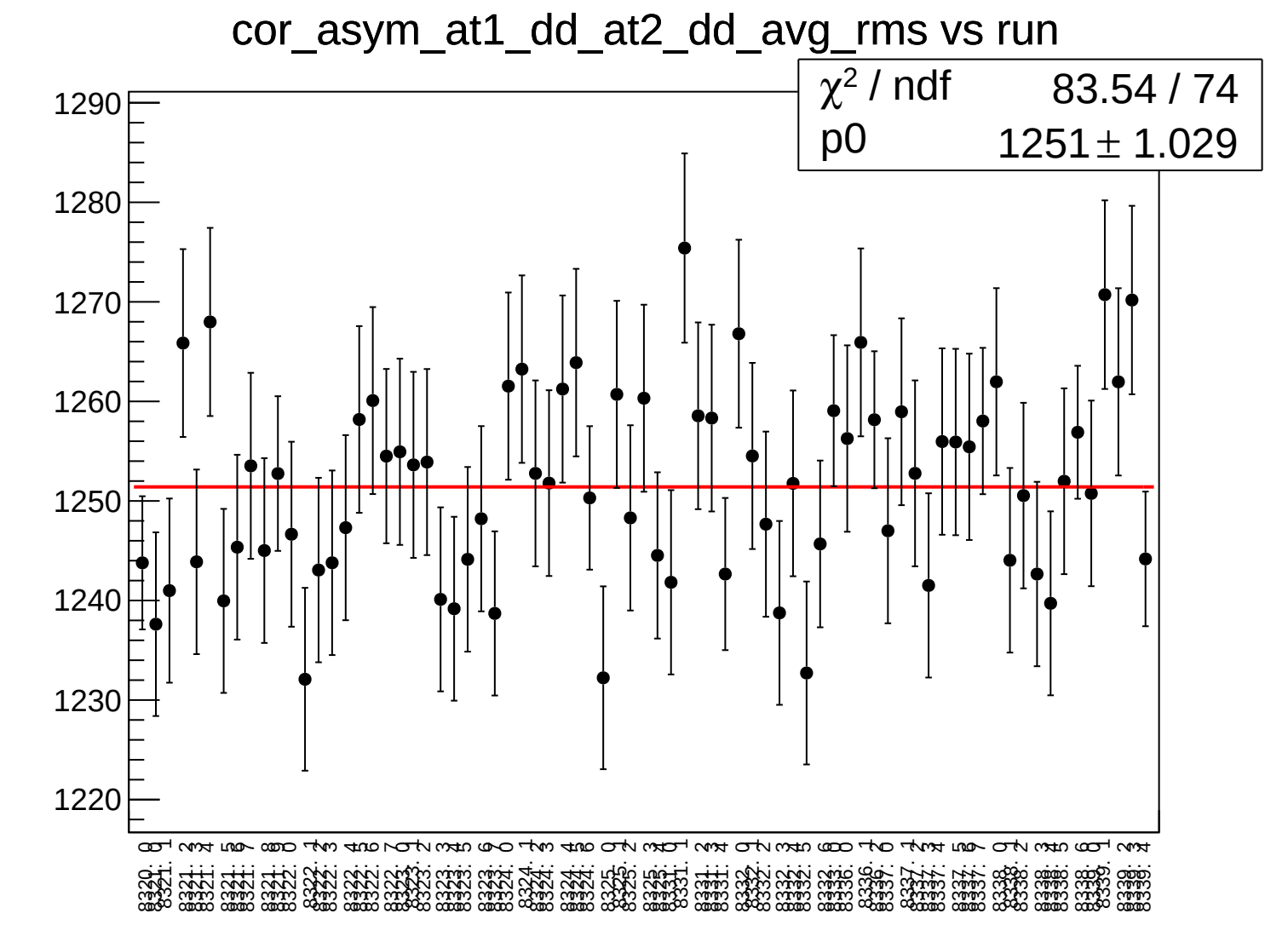
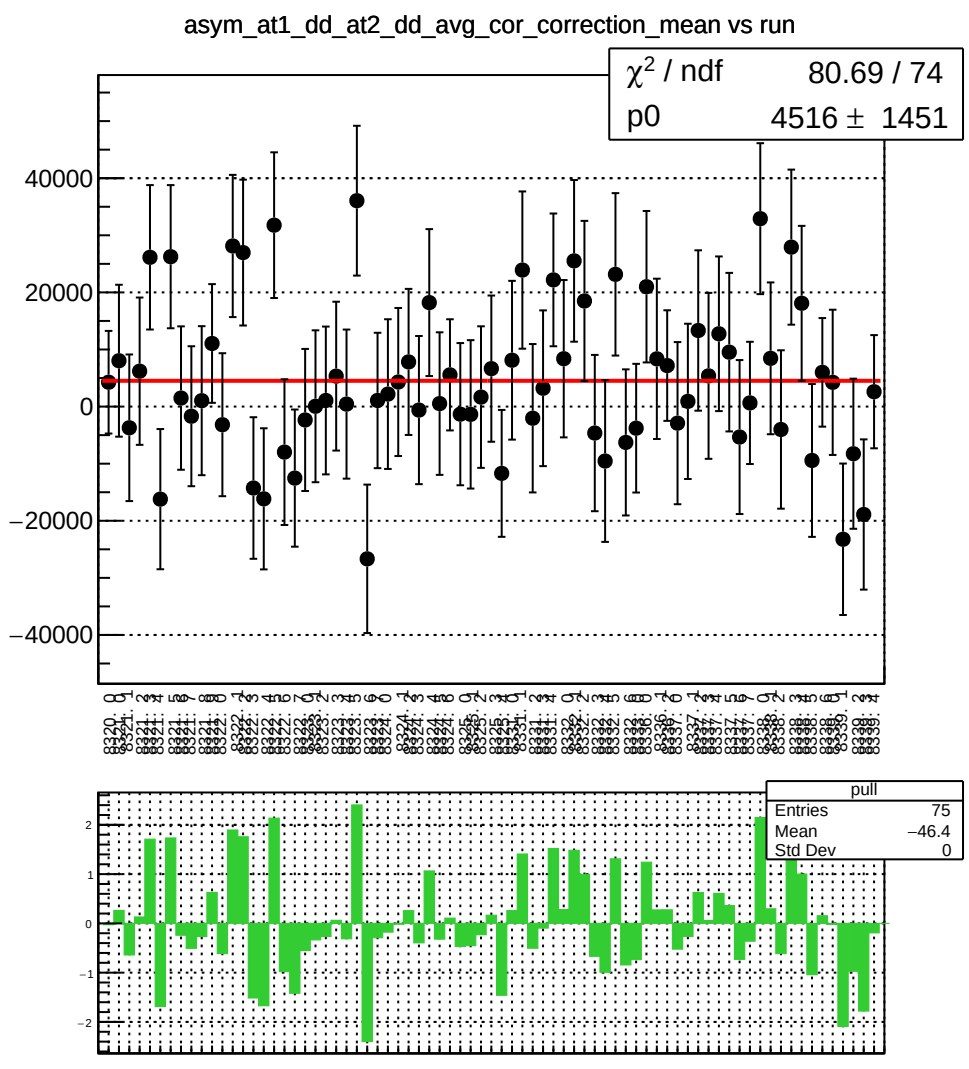
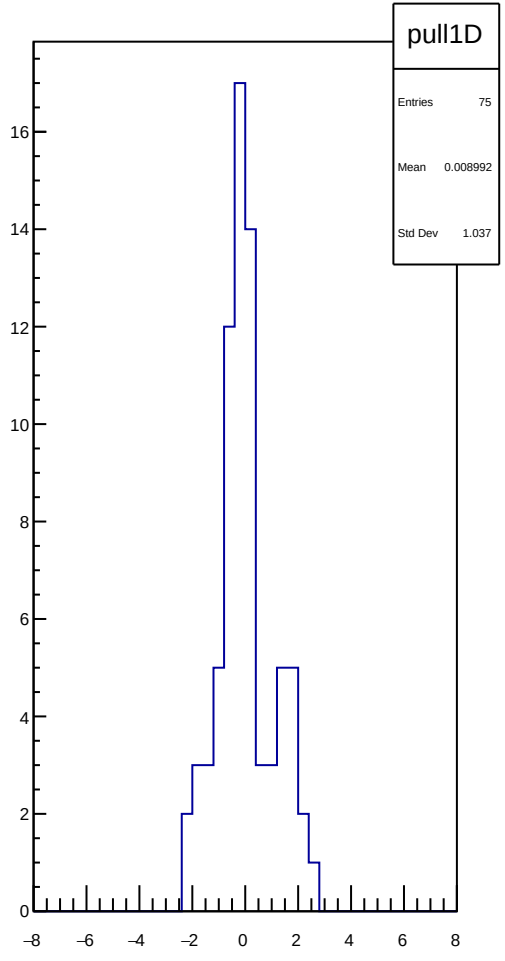
2
4
6
8


cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 83.54 / 74
p0 1251 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 80.69 / 74
p0 4516 ± 1451
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −46.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean 0.008992
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
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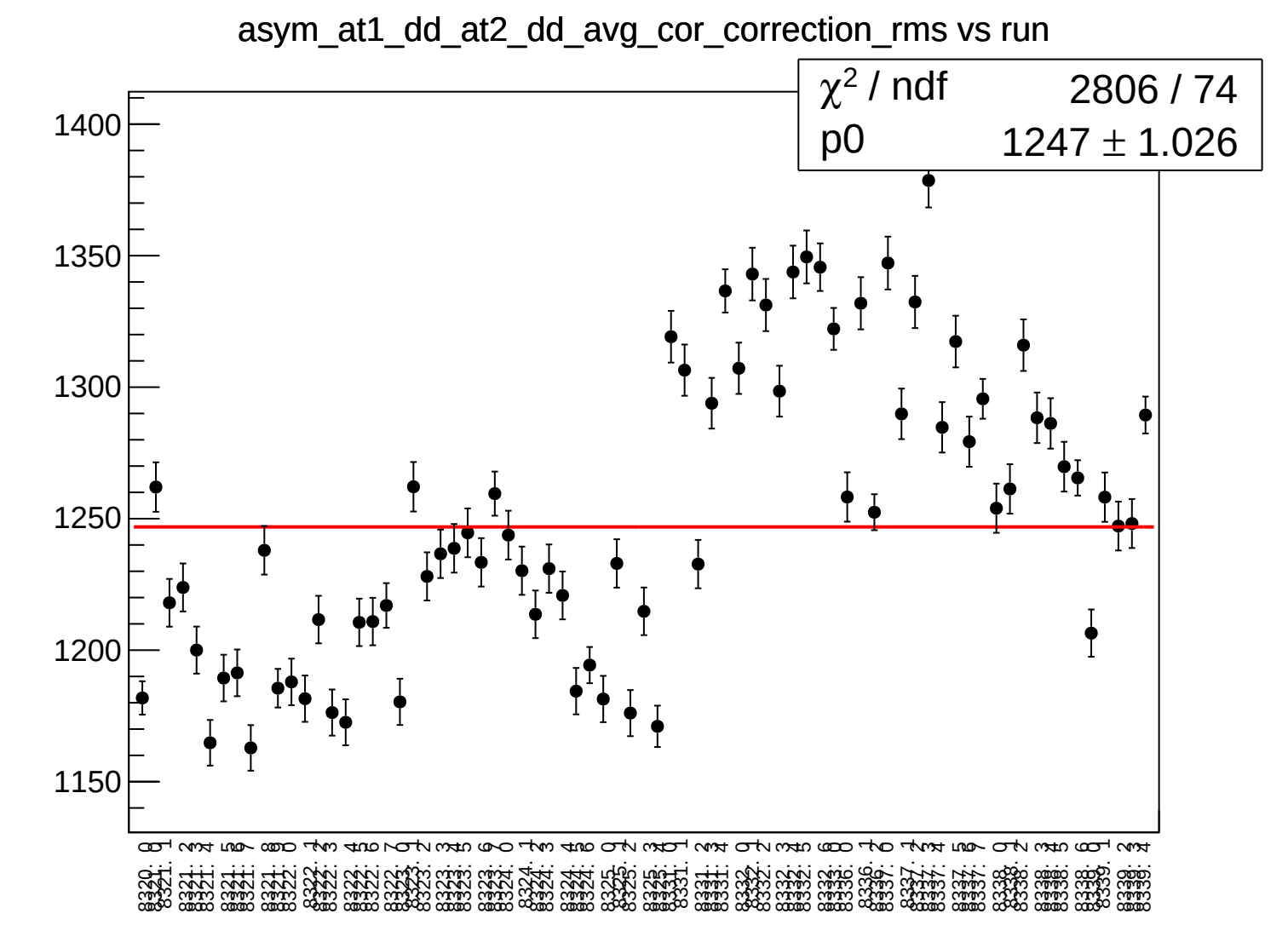
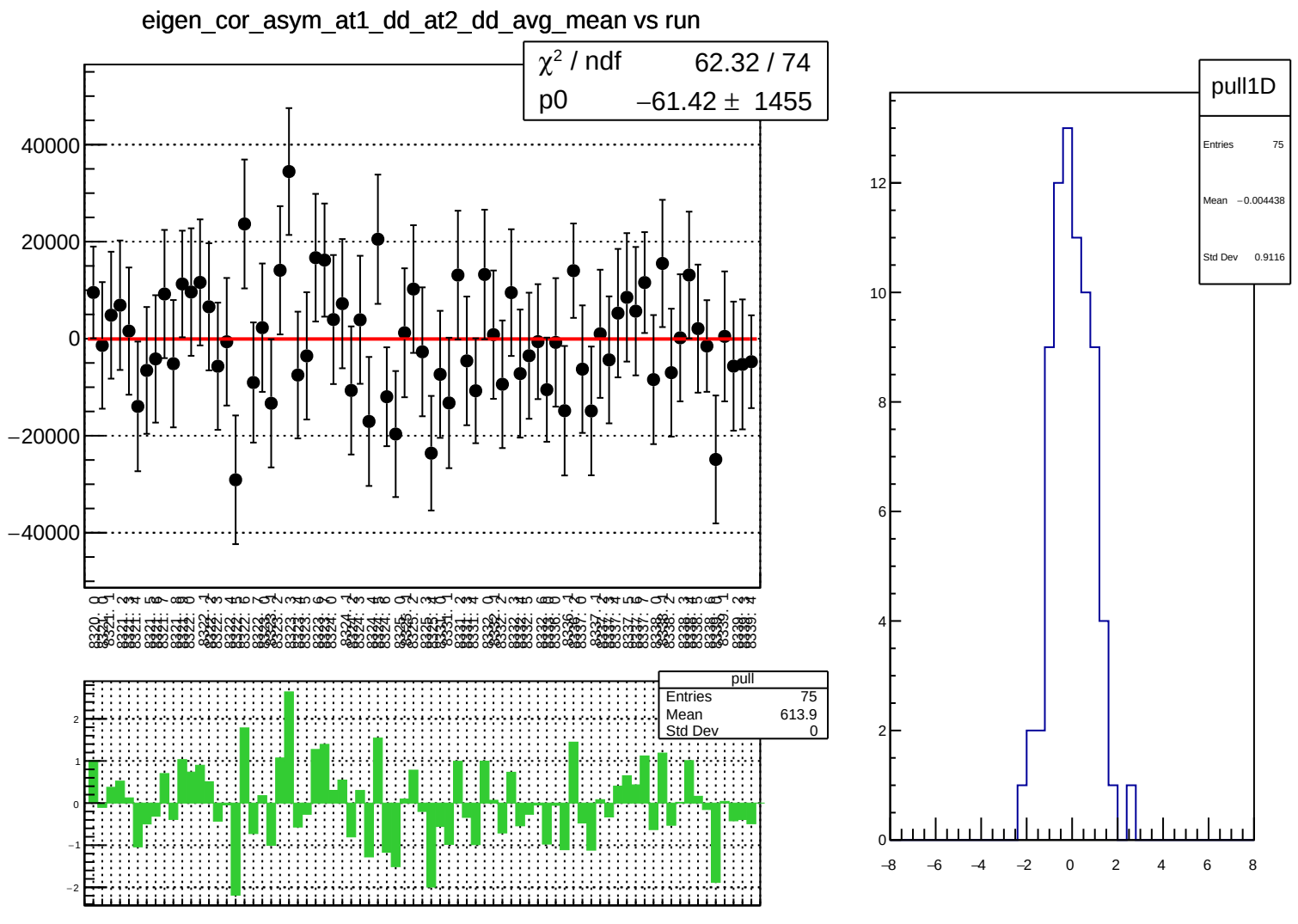
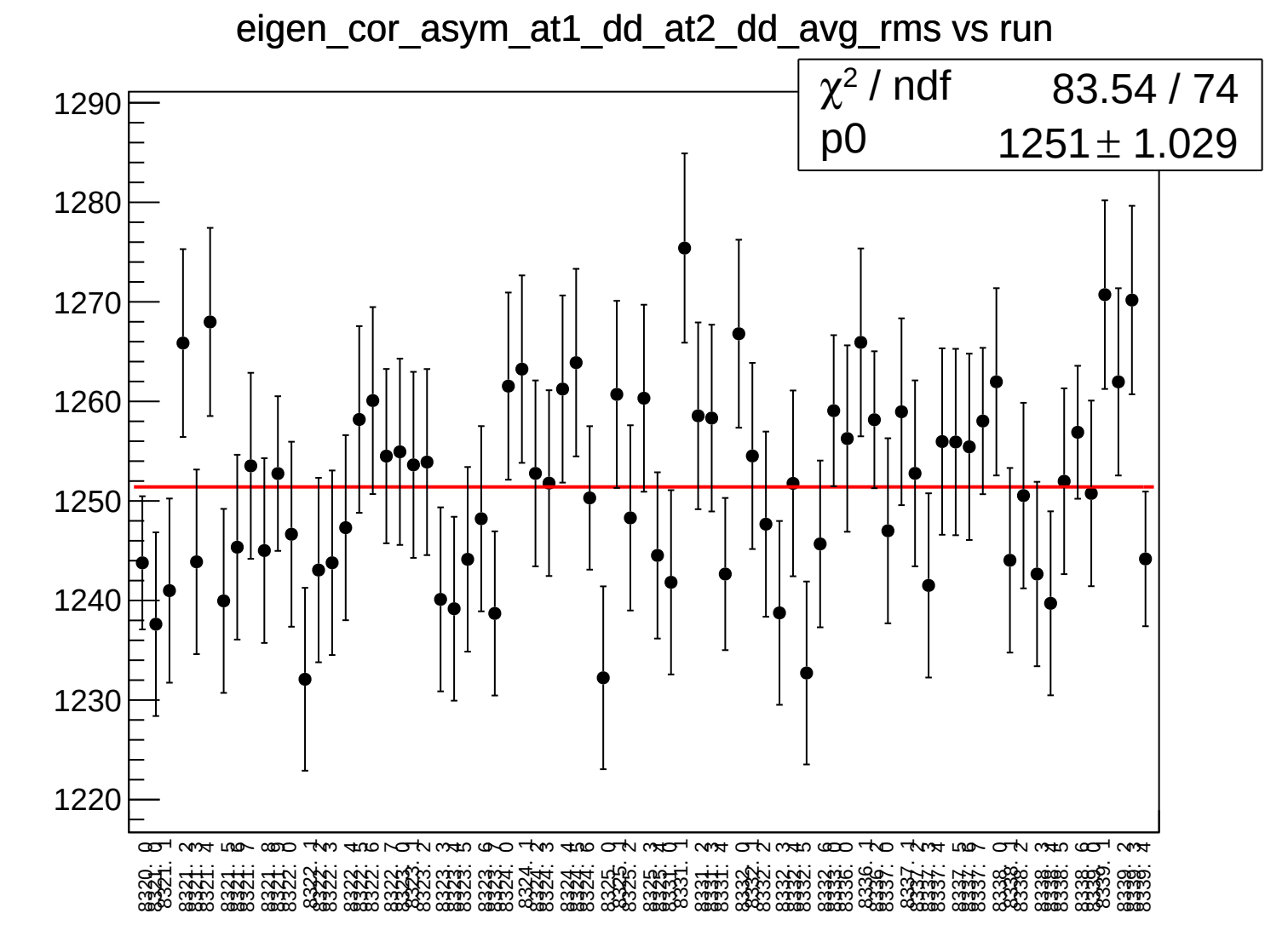
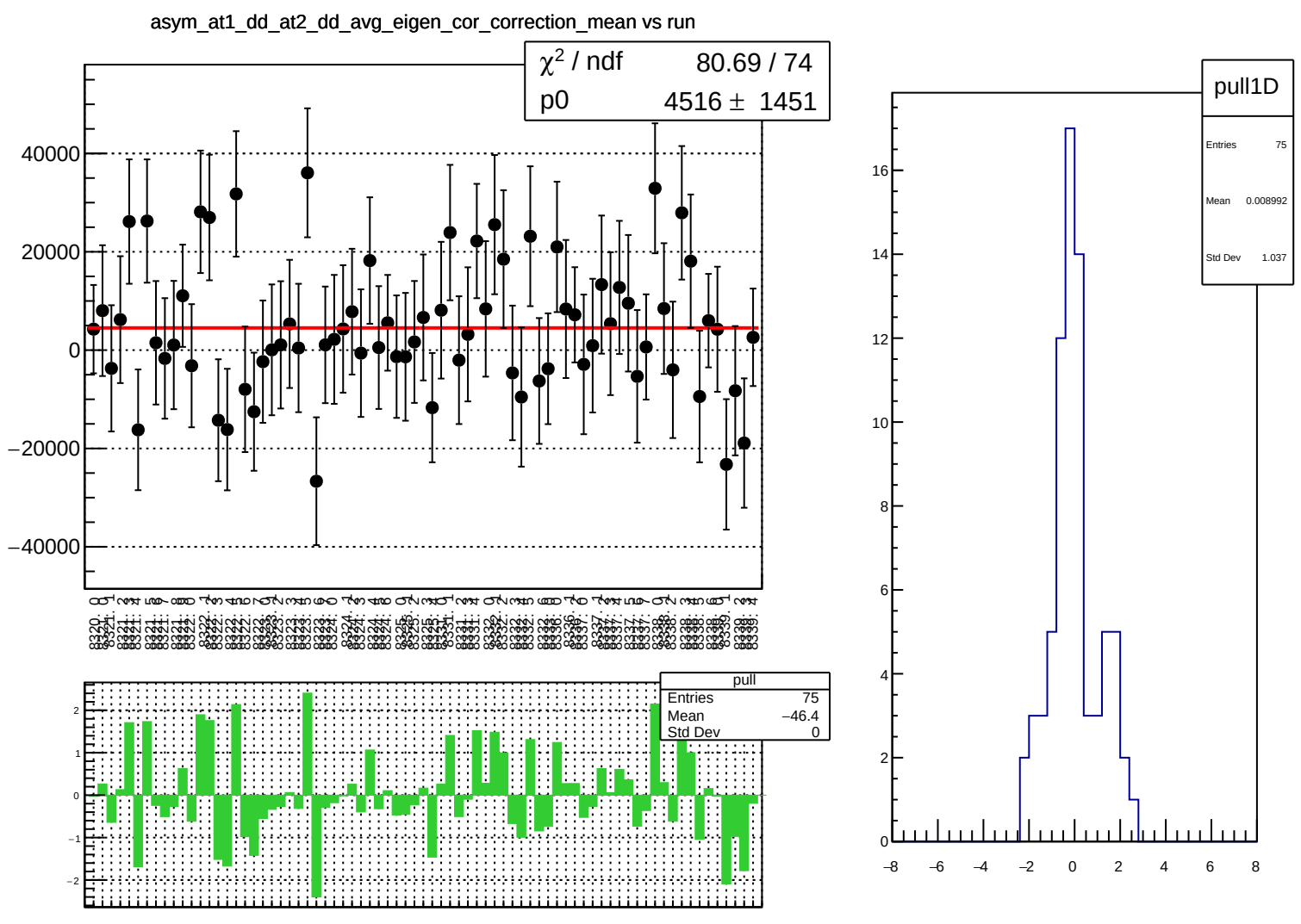
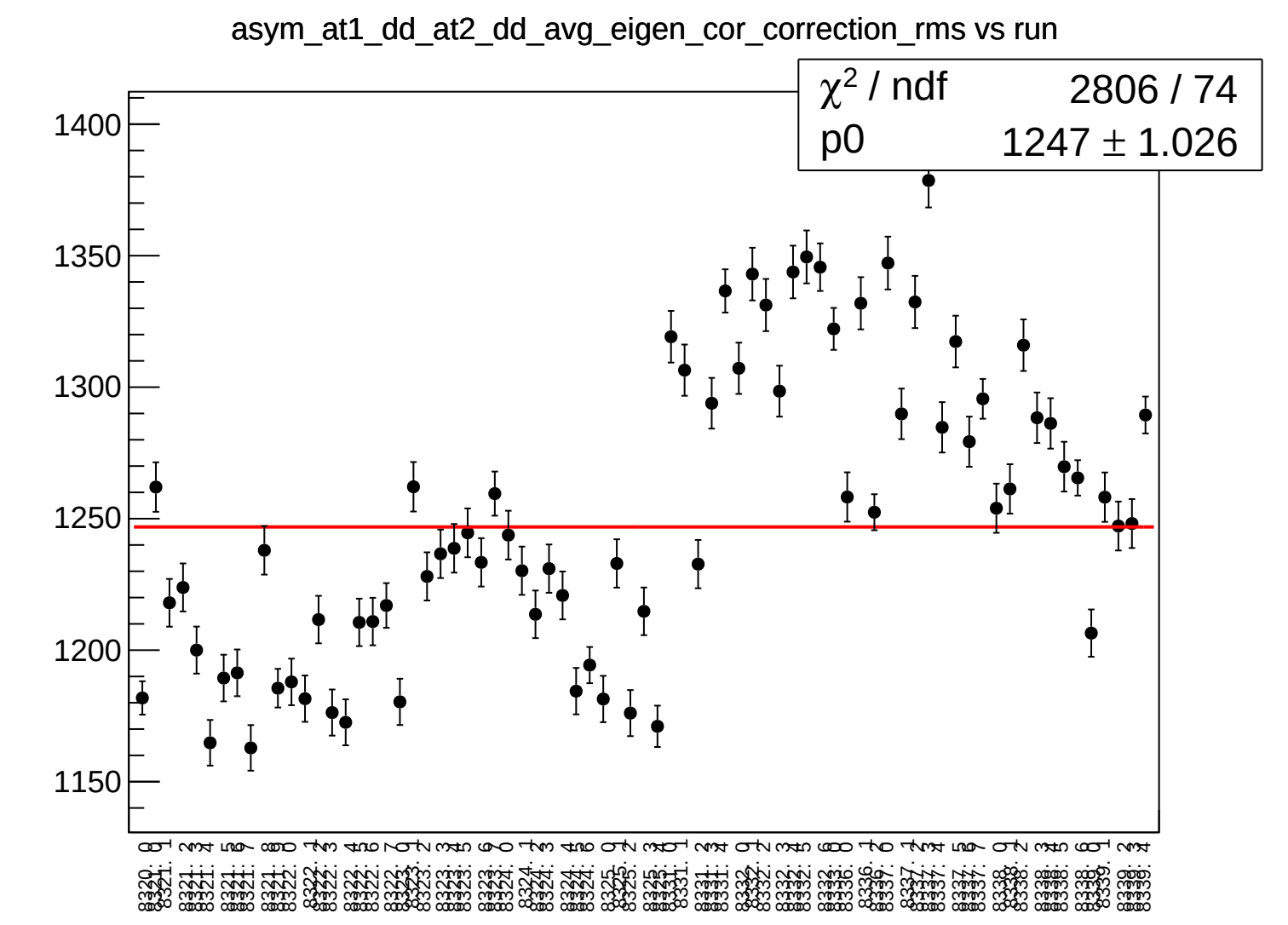
2
4
6
8

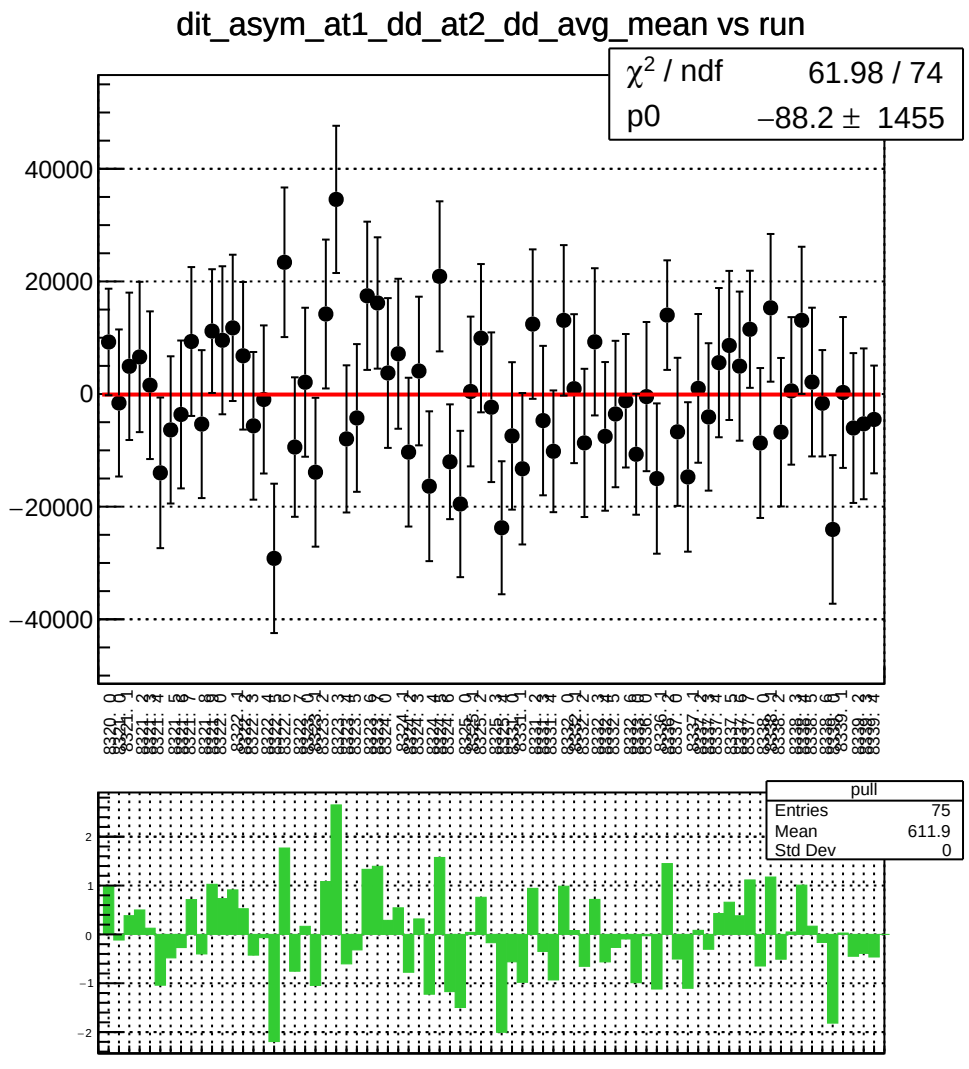

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2806 / 74
p0 1247 ± 1.026
1400
1350
1300
1250
1200
1150

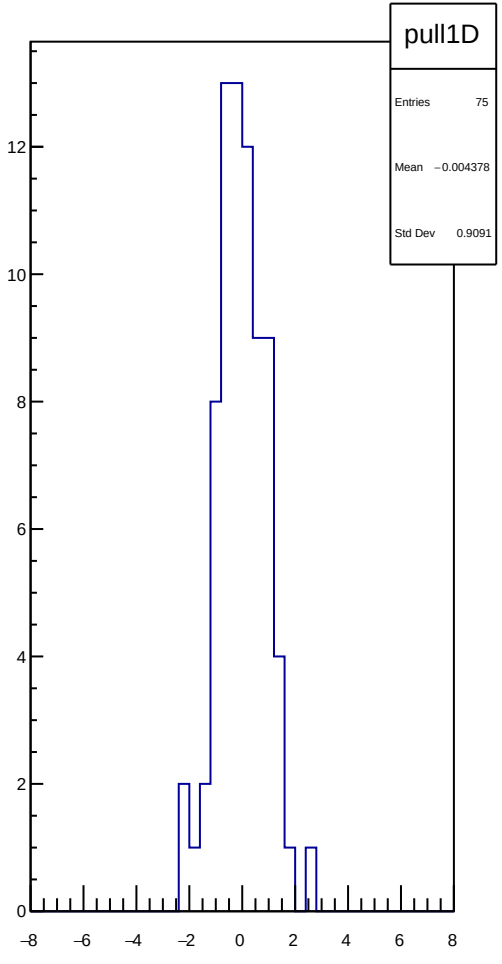

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 62.32 / 74
p0 −61.42 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 613.9
Std Dev 0
pull1D
Entries 75
Mean −0.004438
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 83.54 / 74
p0 1251 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 80.69 / 74
p0 4516 ± 1451
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −46.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.008992
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2806 / 74
p0 1247 ± 1.026
1400
1350
1300
1250
1200
1150


dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 61.98 / 74
p0 −88.2 ± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 611.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.004378
Std Dev 0.9091
12
10
8
6
4
2
0
−8
−6
−4
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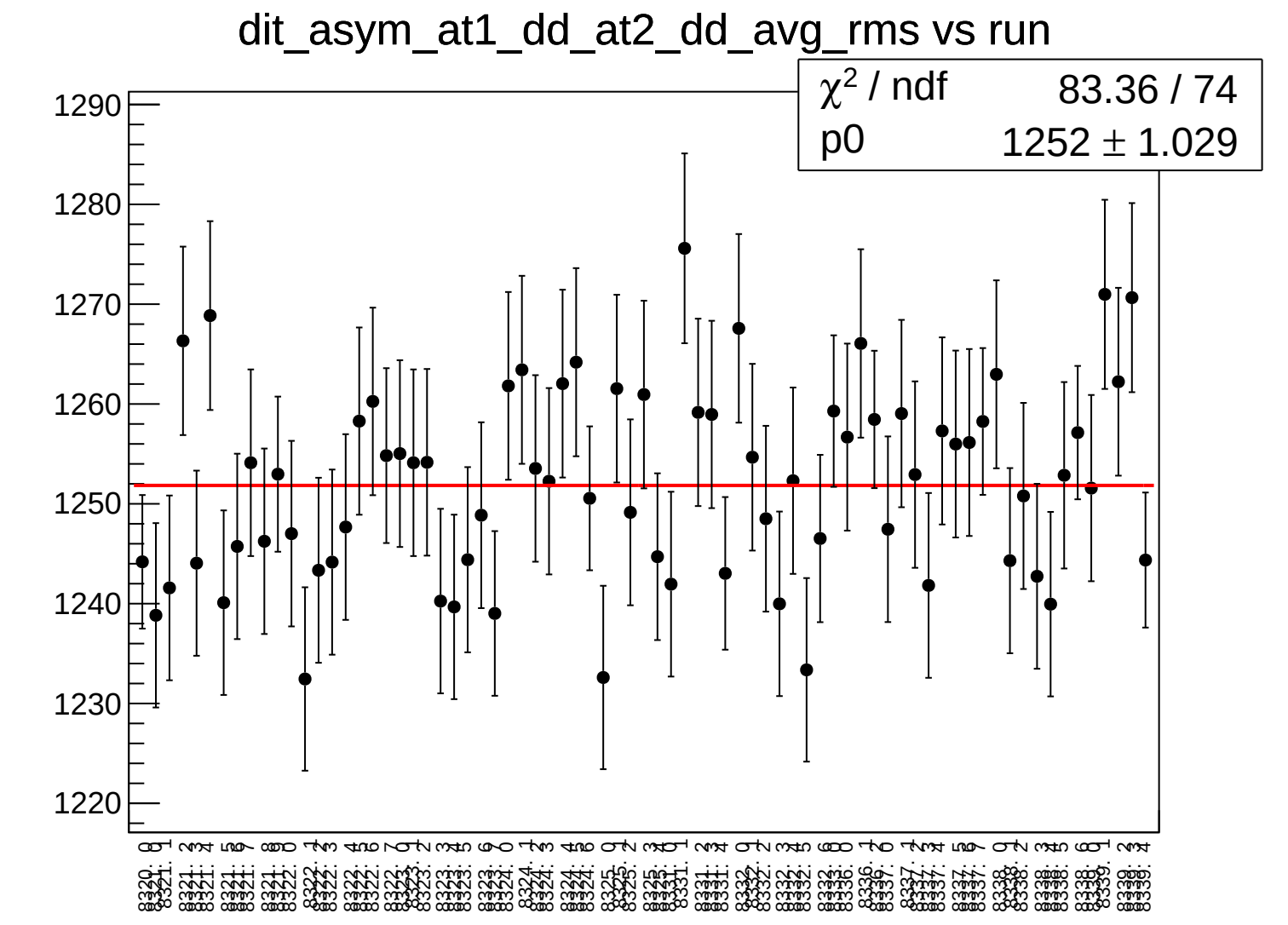
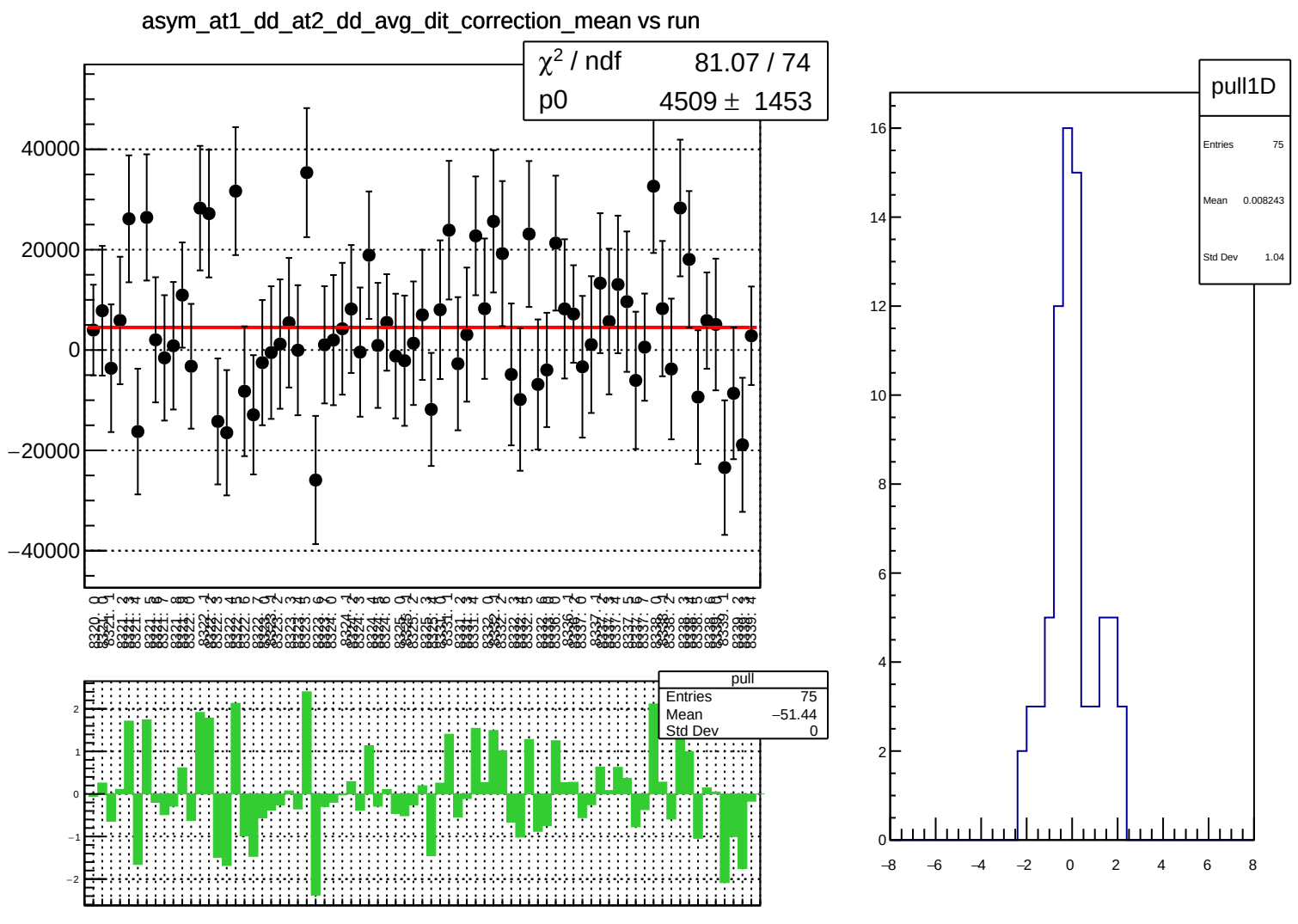
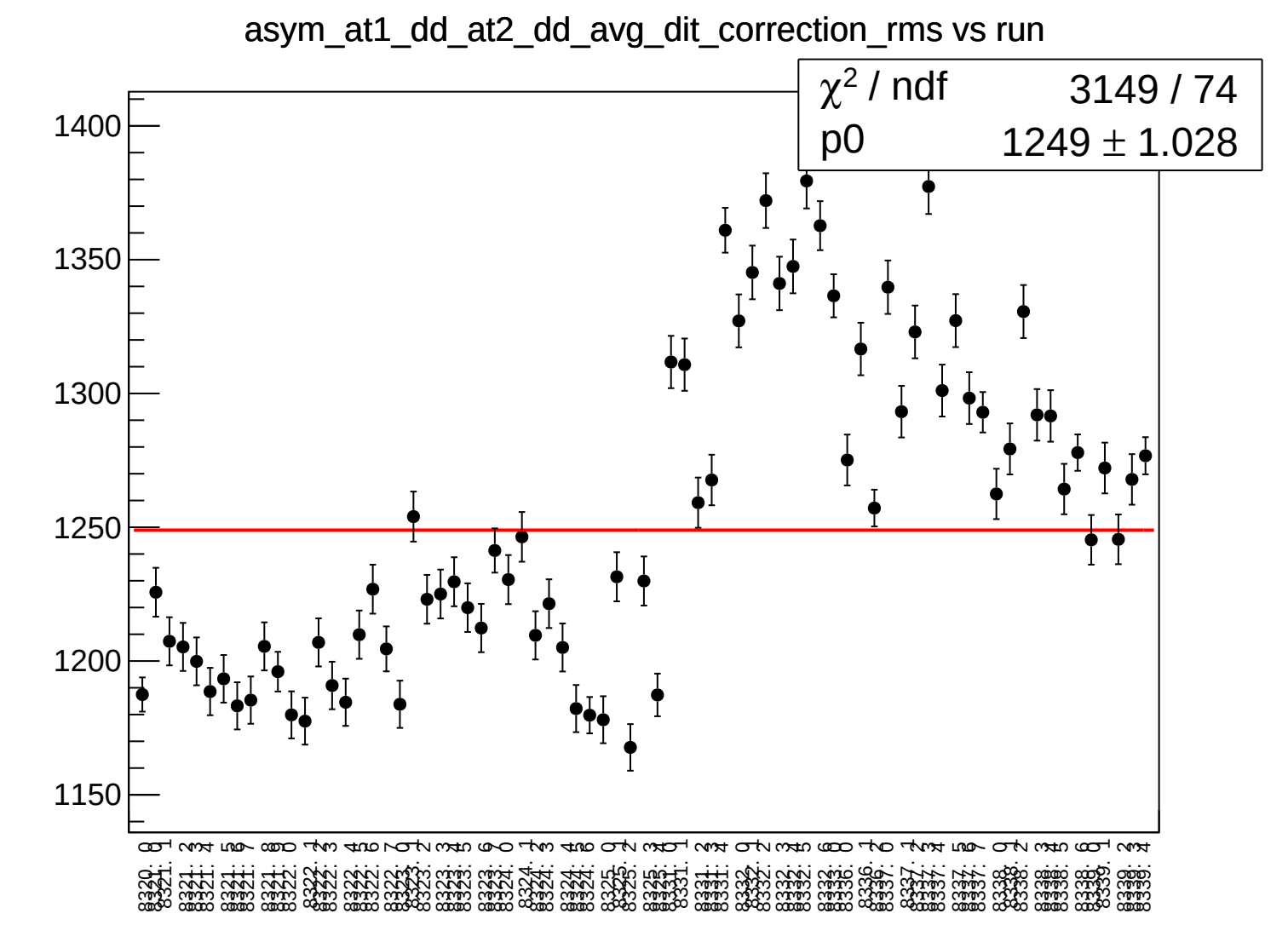
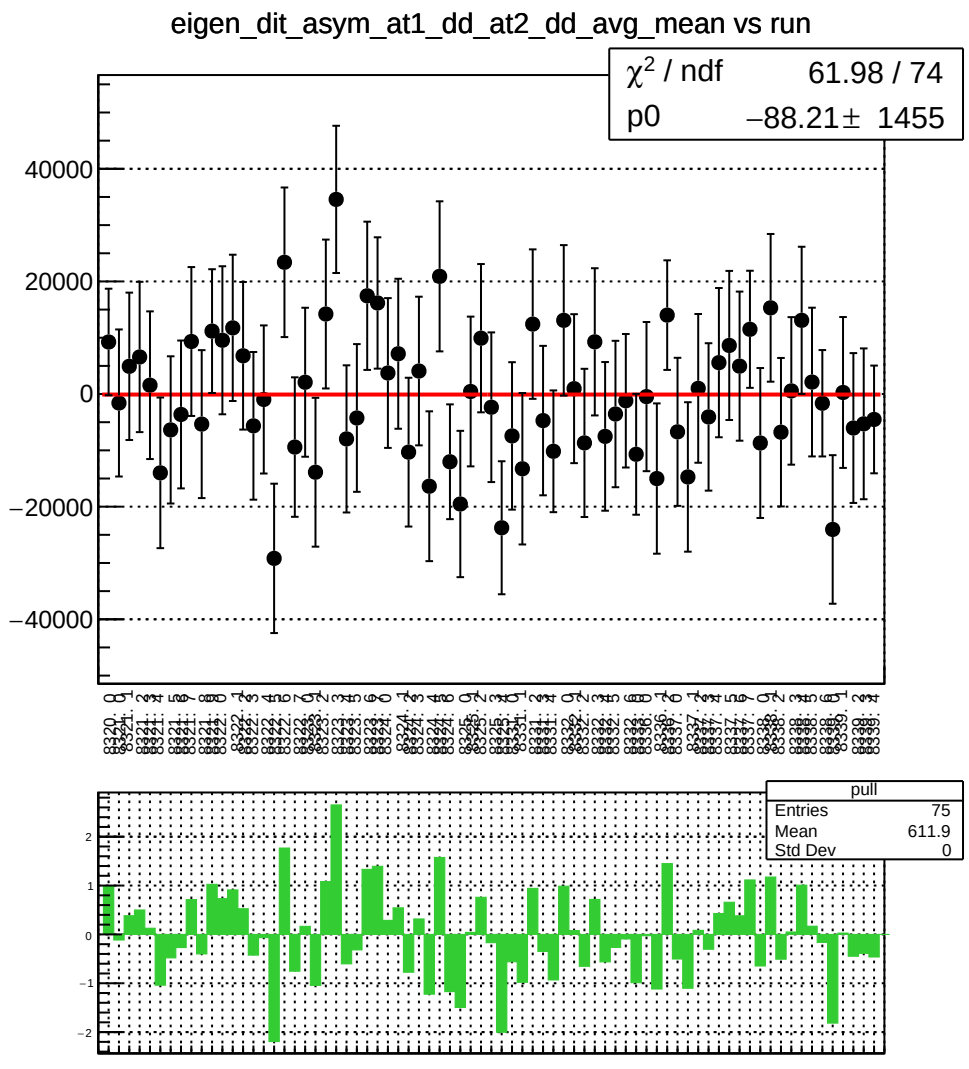
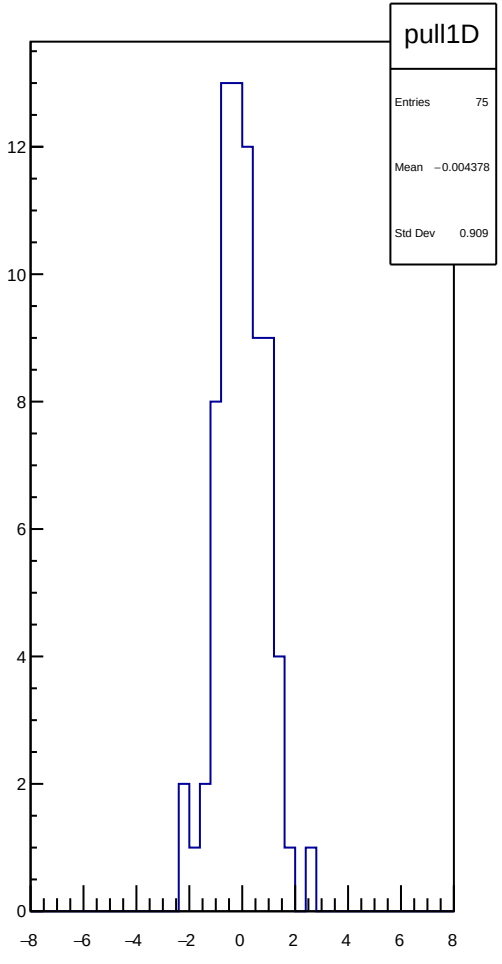
2
4
6
8

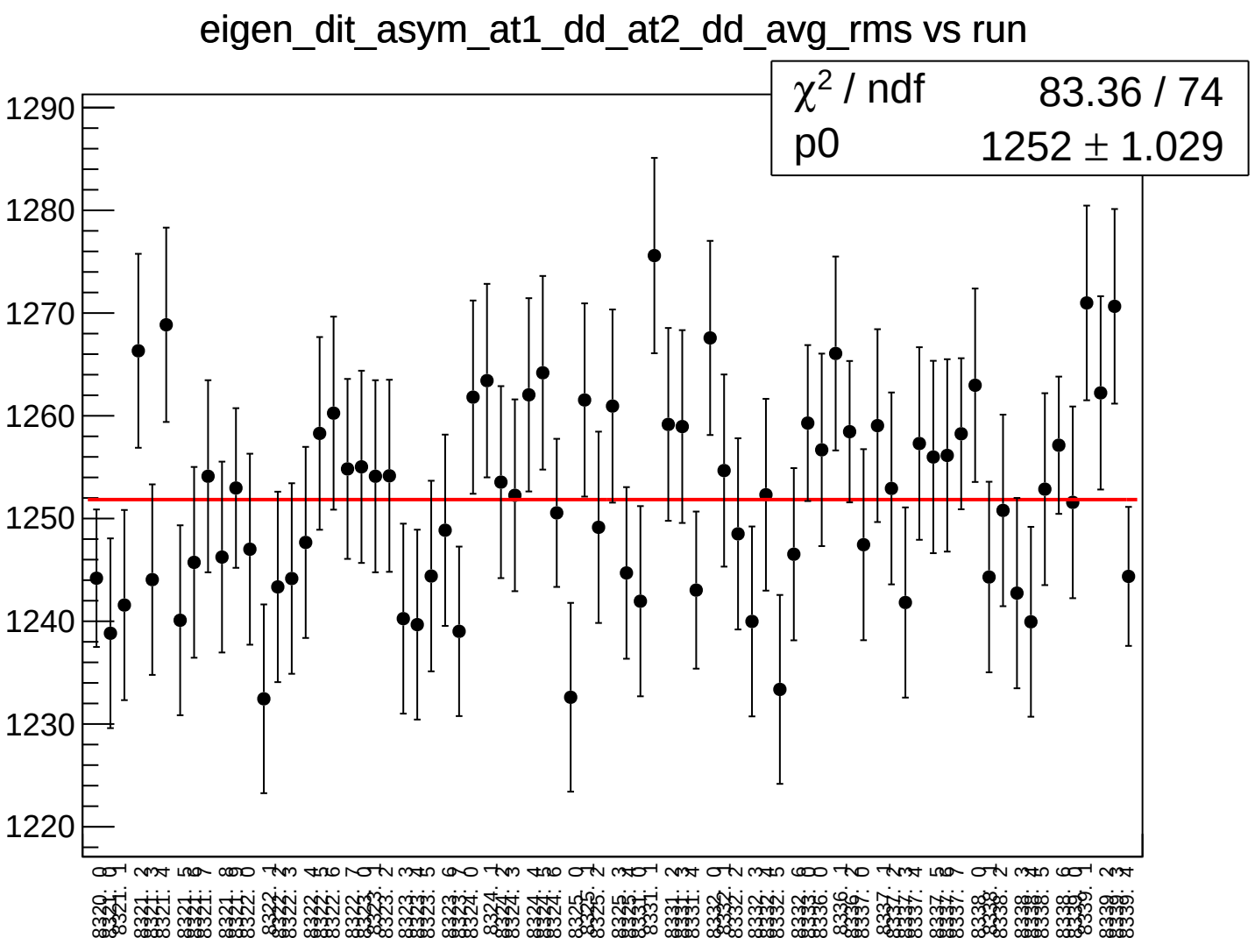

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 83.36 / 74
p0 1252 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

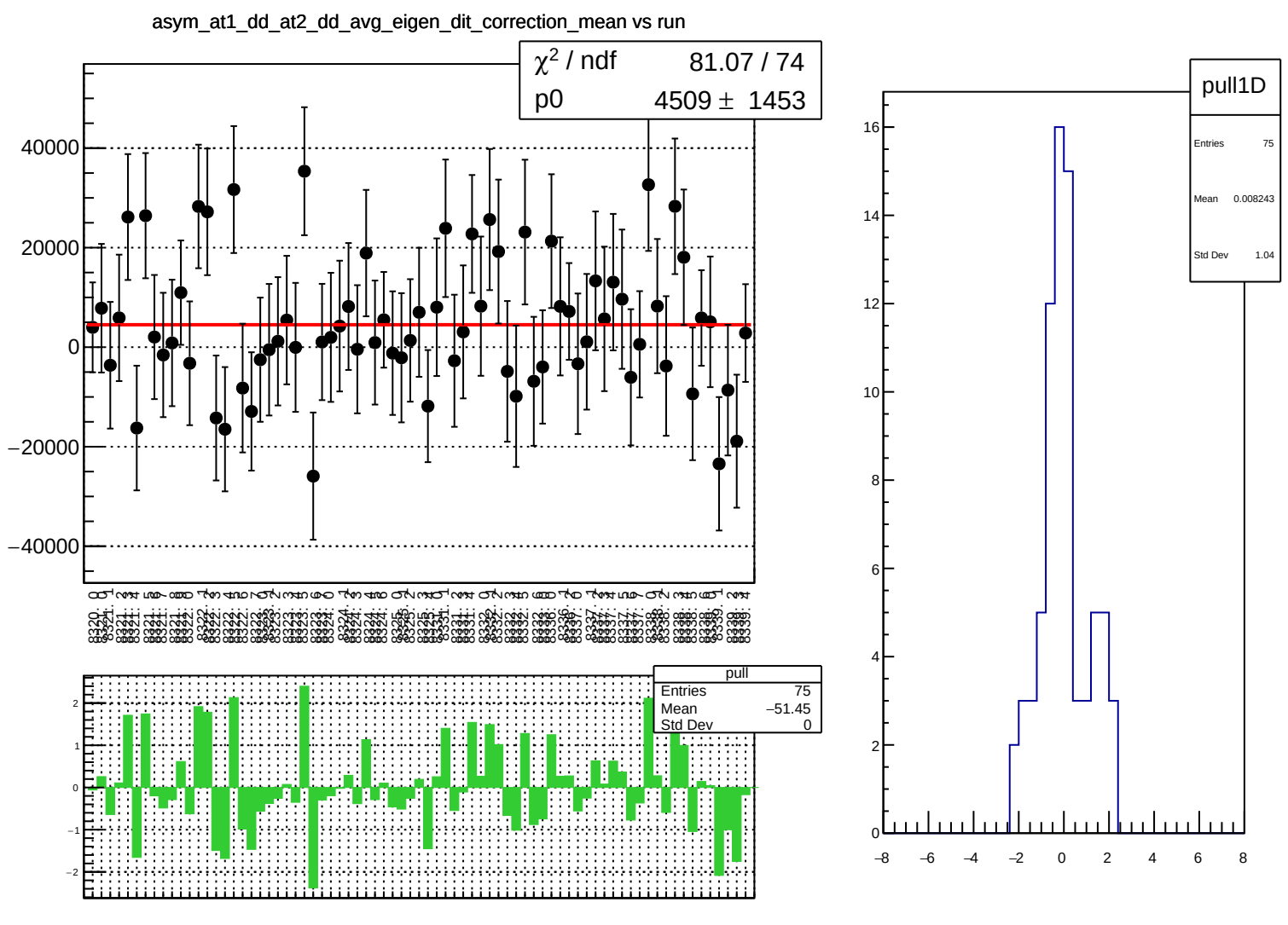

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 81.07 / 74
p0 4509 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −51.44
Std Dev 0
pull1D
Entries 75
Mean 0.008243
Std Dev 1.04

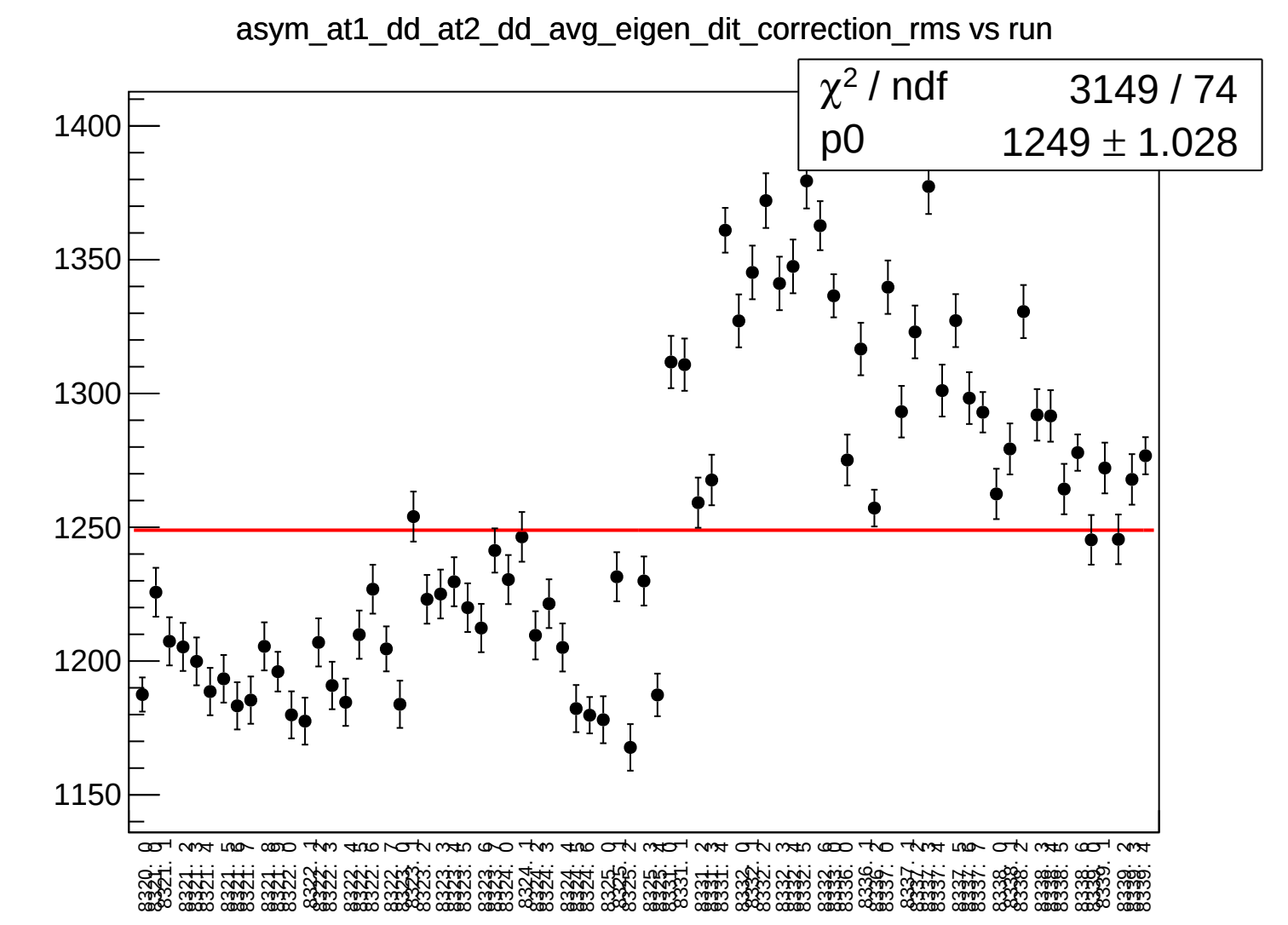

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 3149 / 74
p0 1249 ± 1.028
1400
1350
1300
1250
1200
1150

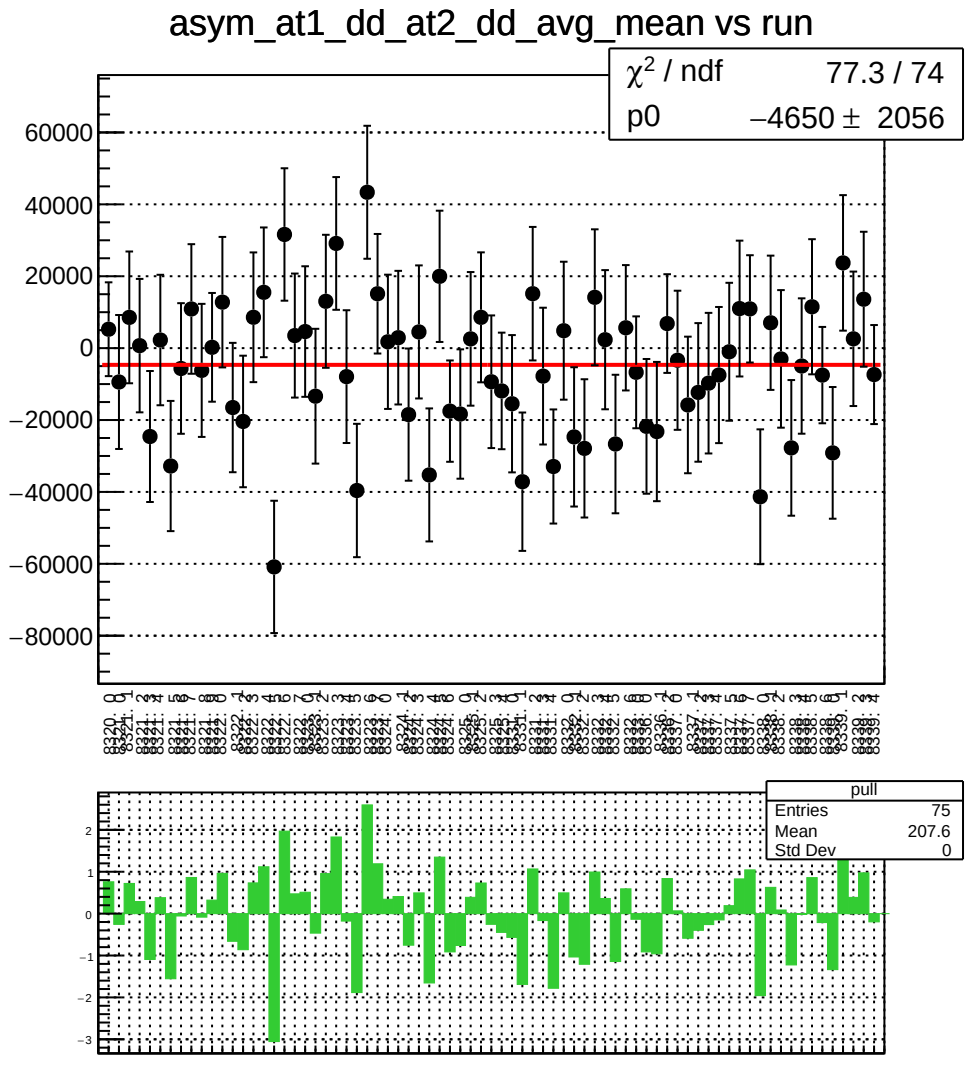

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 61.98 / 74
p0 −88.21± 1455
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 611.9
Std Dev 0
2
1
0
−1
−2

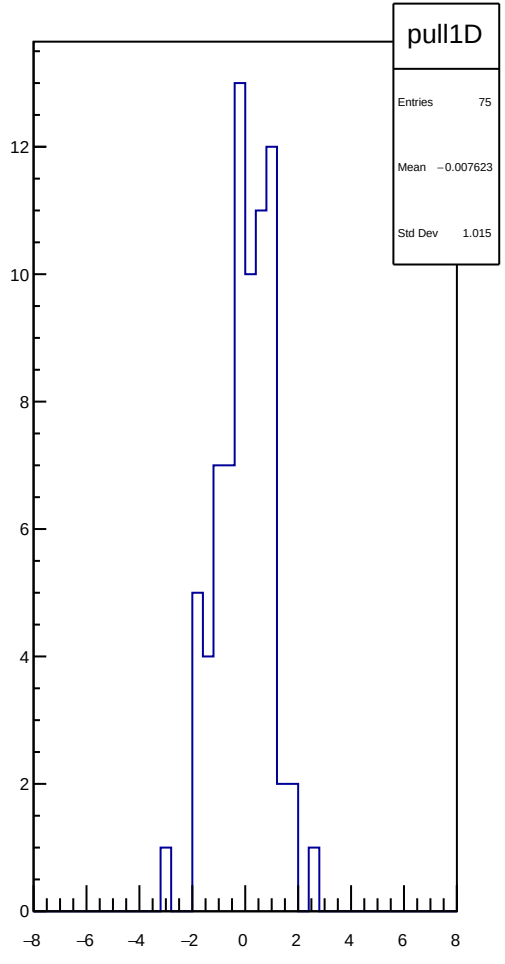

pull1D
Entries 75
Mean −0.004378
Std Dev 0.909
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

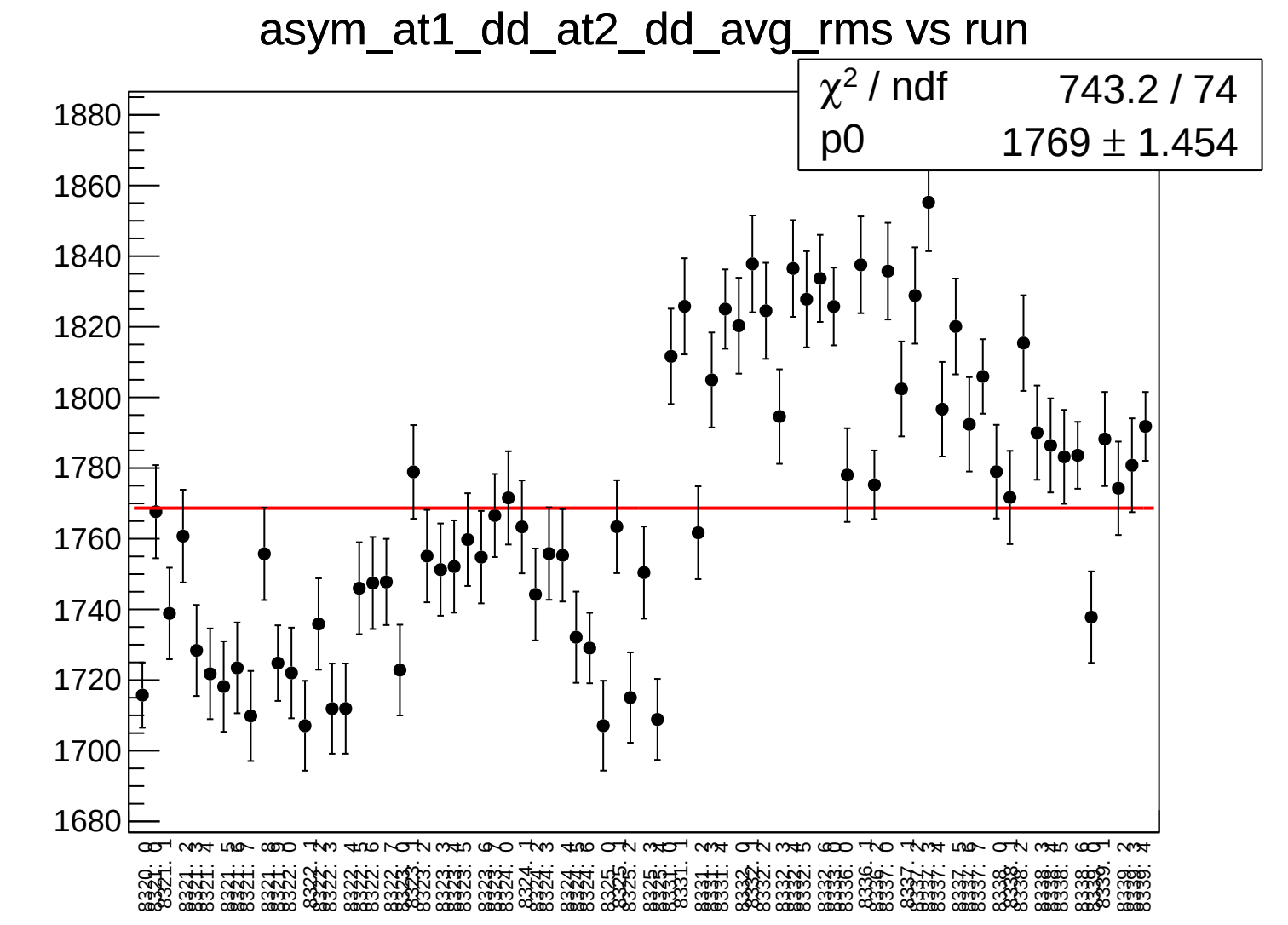

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 83.36 / 74
p0 1252 ± 1.029
1290
1280
1270
1260
1250
1240
1230
1220

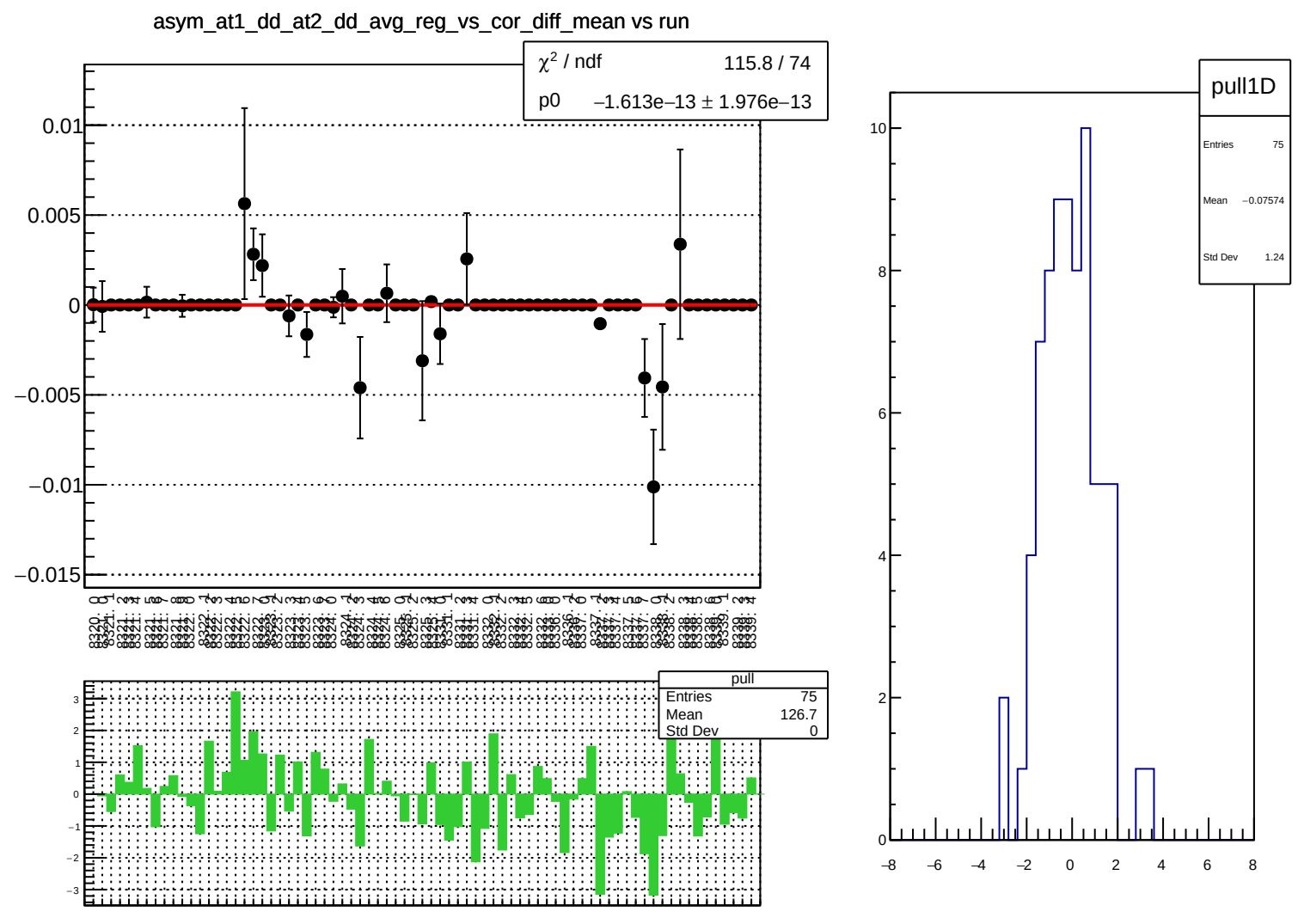

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.07 / 74
p0 4509 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −51.45
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.008243
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

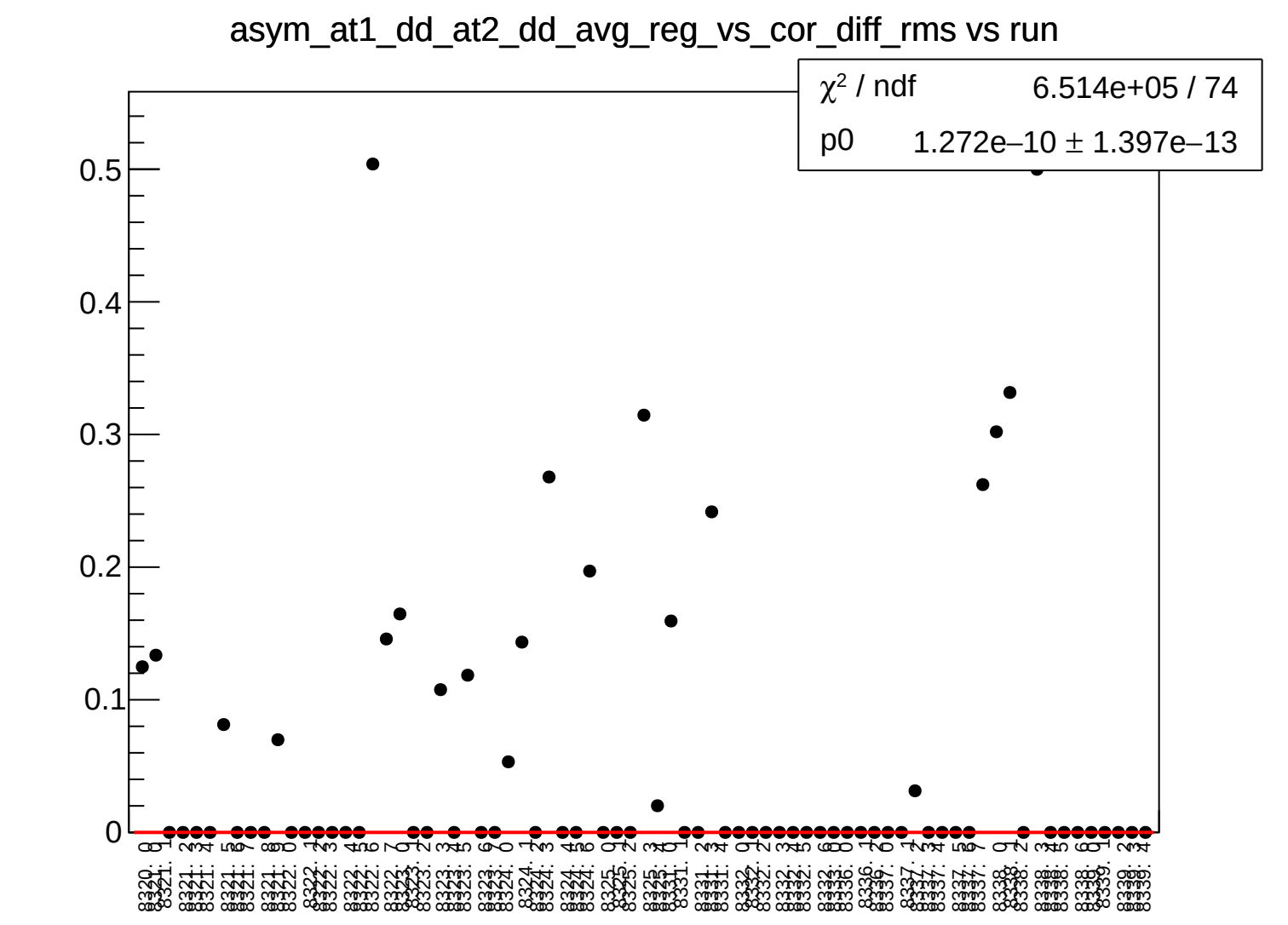

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3149 / 74
p0 1249 ± 1.028
1400
1350
1300
1250
1200
1150

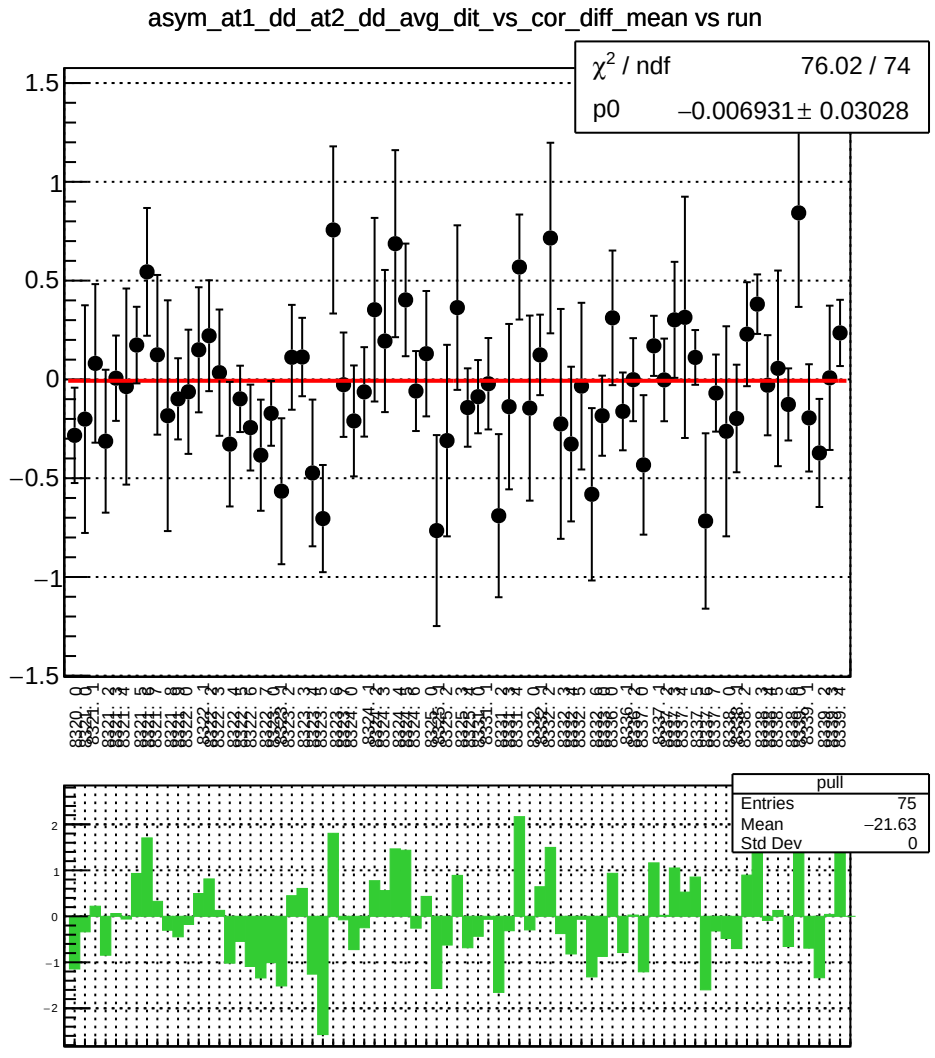

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 77.3 / 74
p0 −4650 ± 2056
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean 207.6
Std Dev 0
2
1
0
−1
−2
−3

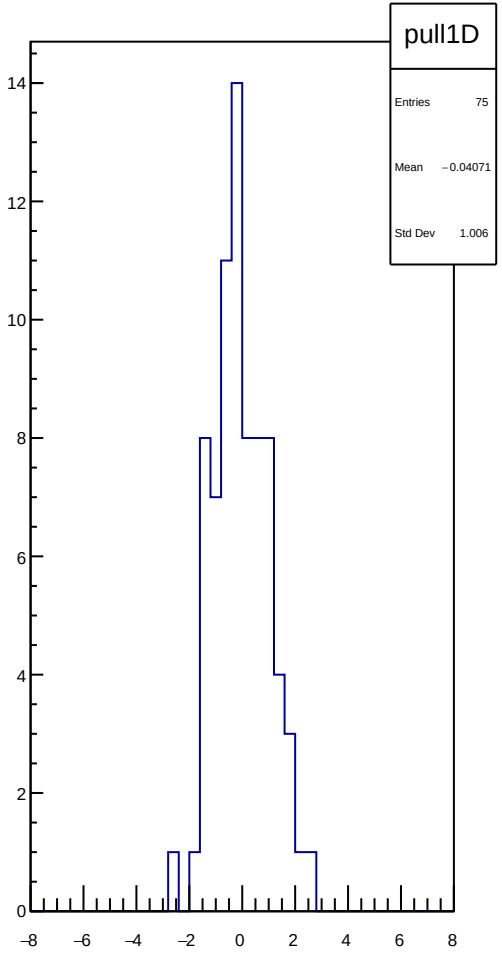

pull1D
Entries 75
Mean −0.007623
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

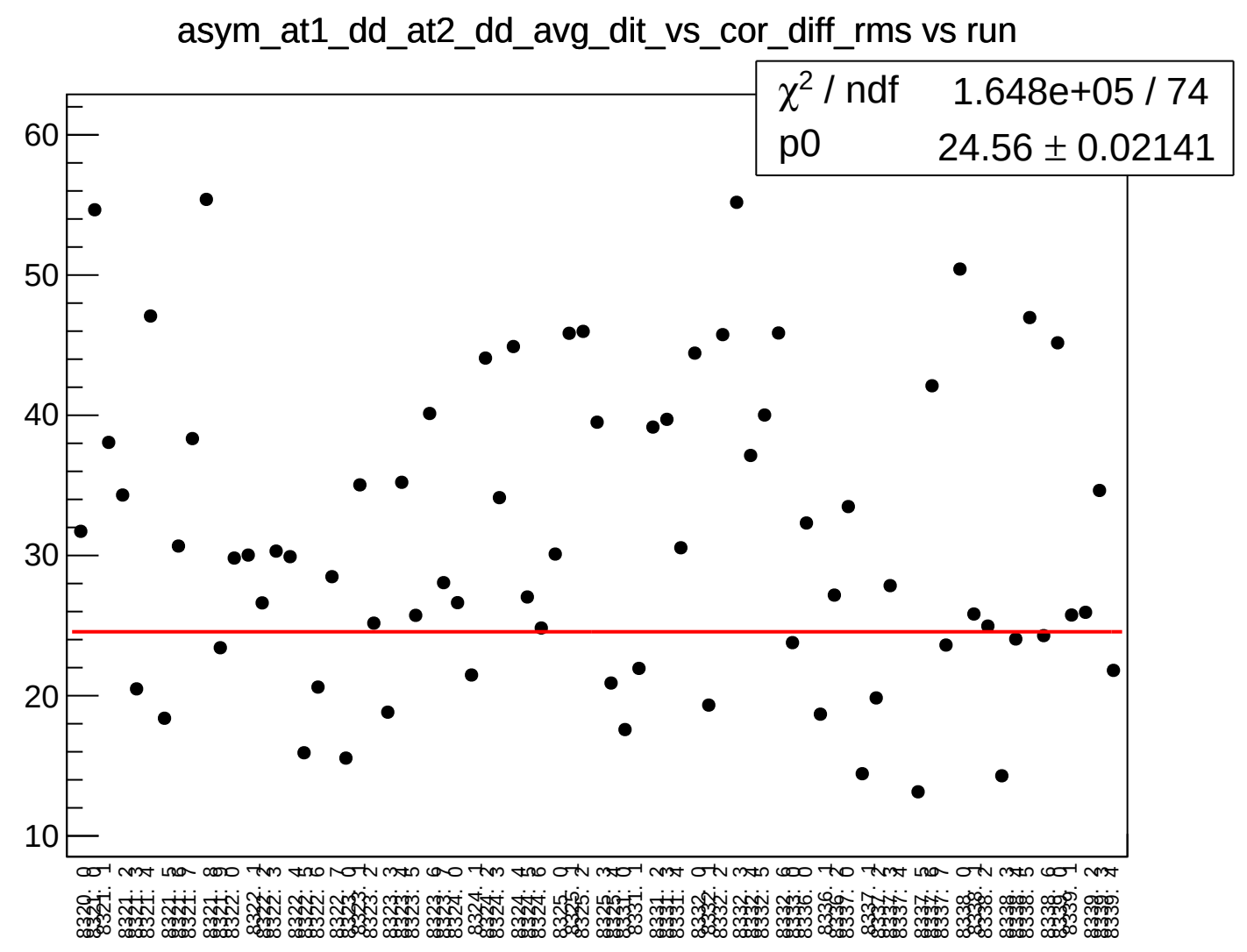

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 743.2 / 74
p0 1769 ± 1.454
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680

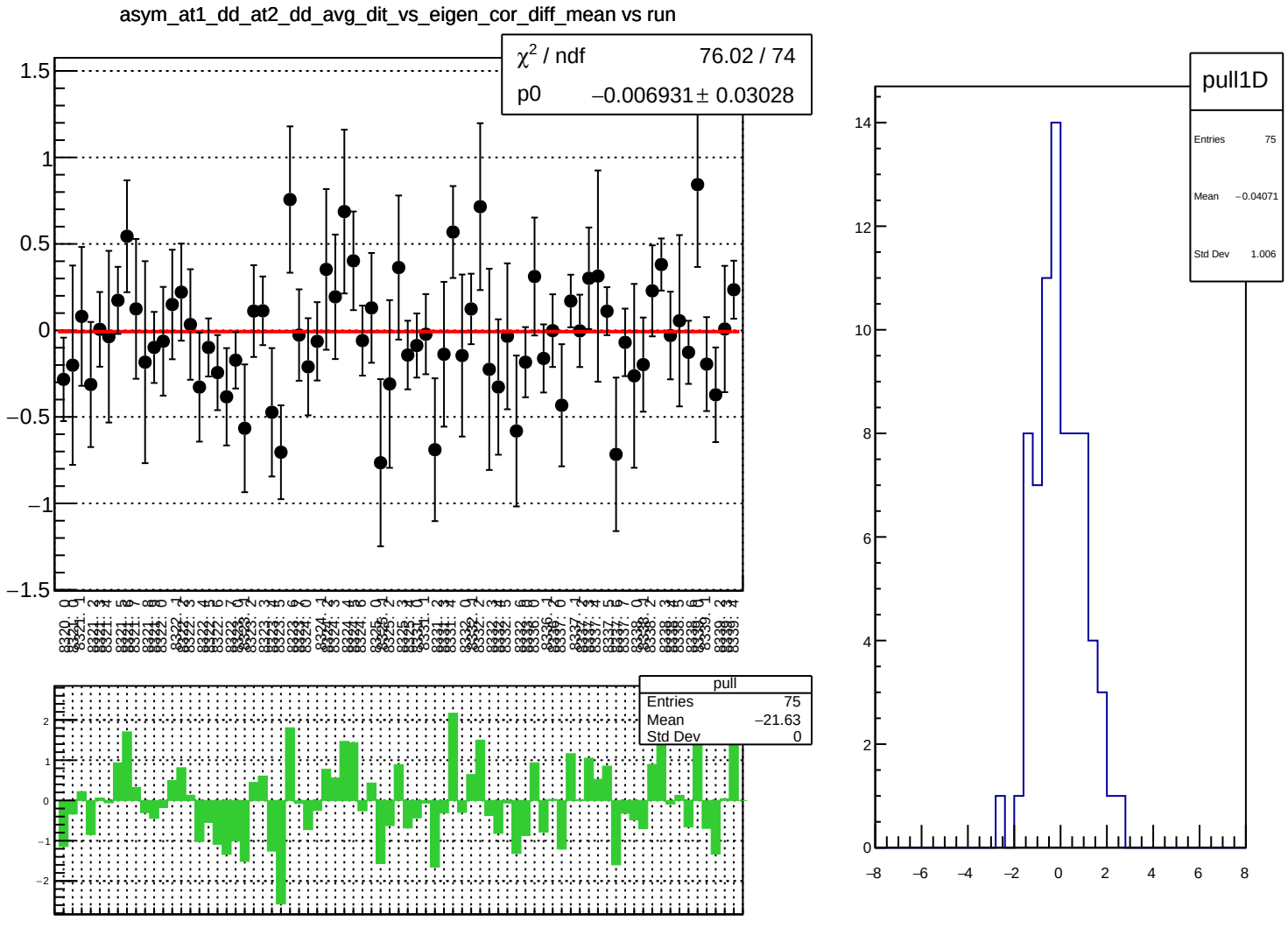

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 115.8 / 74
p0 −1.613e−13 ± 1.976e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 75
Mean 126.7
Std Dev 0
pull1D
Entries 75
Mean −0.07574
Std Dev 1.24
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

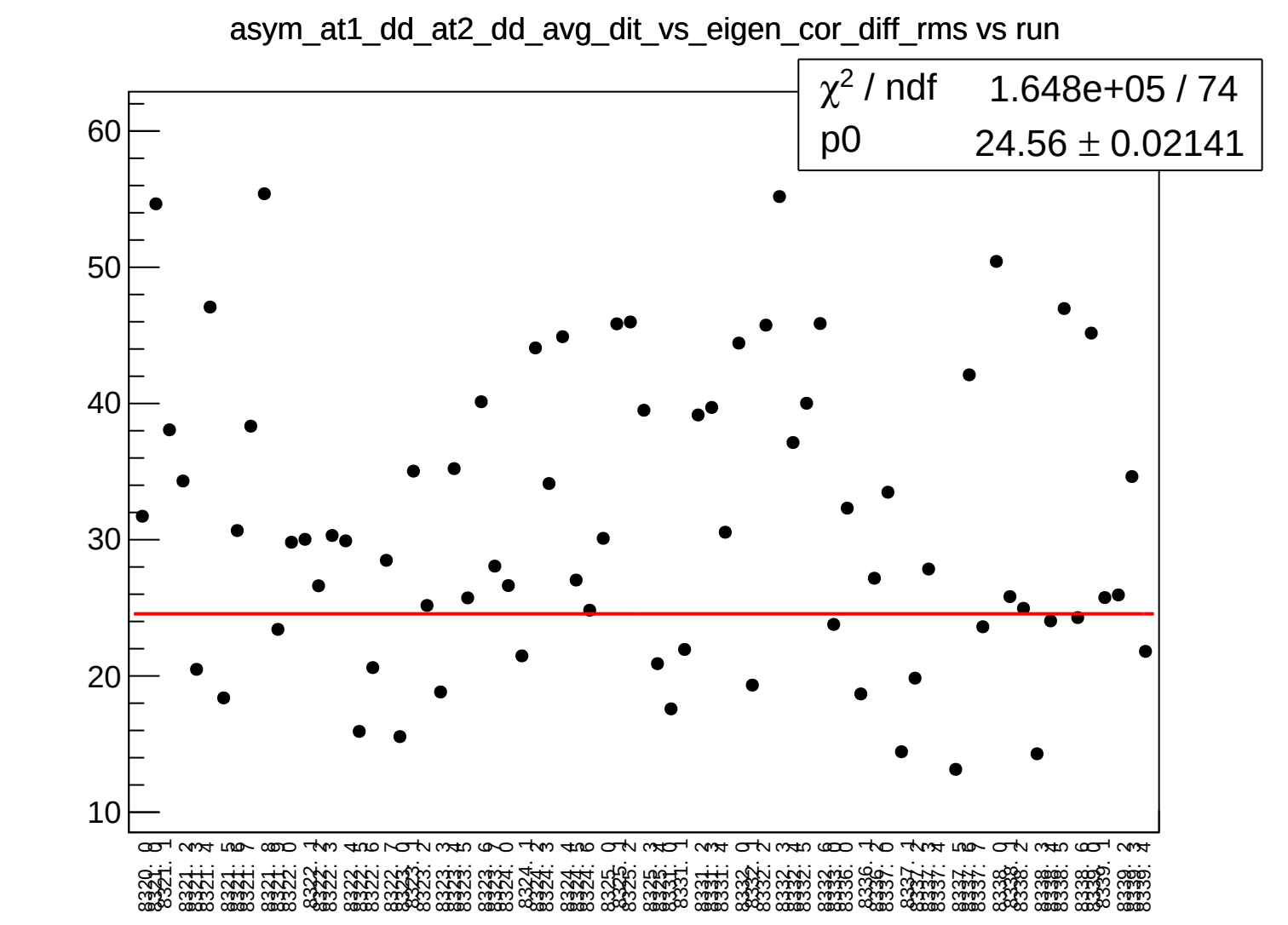

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.514e+05 / 74
p0 1.272e−10 ± 1.397e−13
0.5
0.4
0.3
0.2
0.1
0

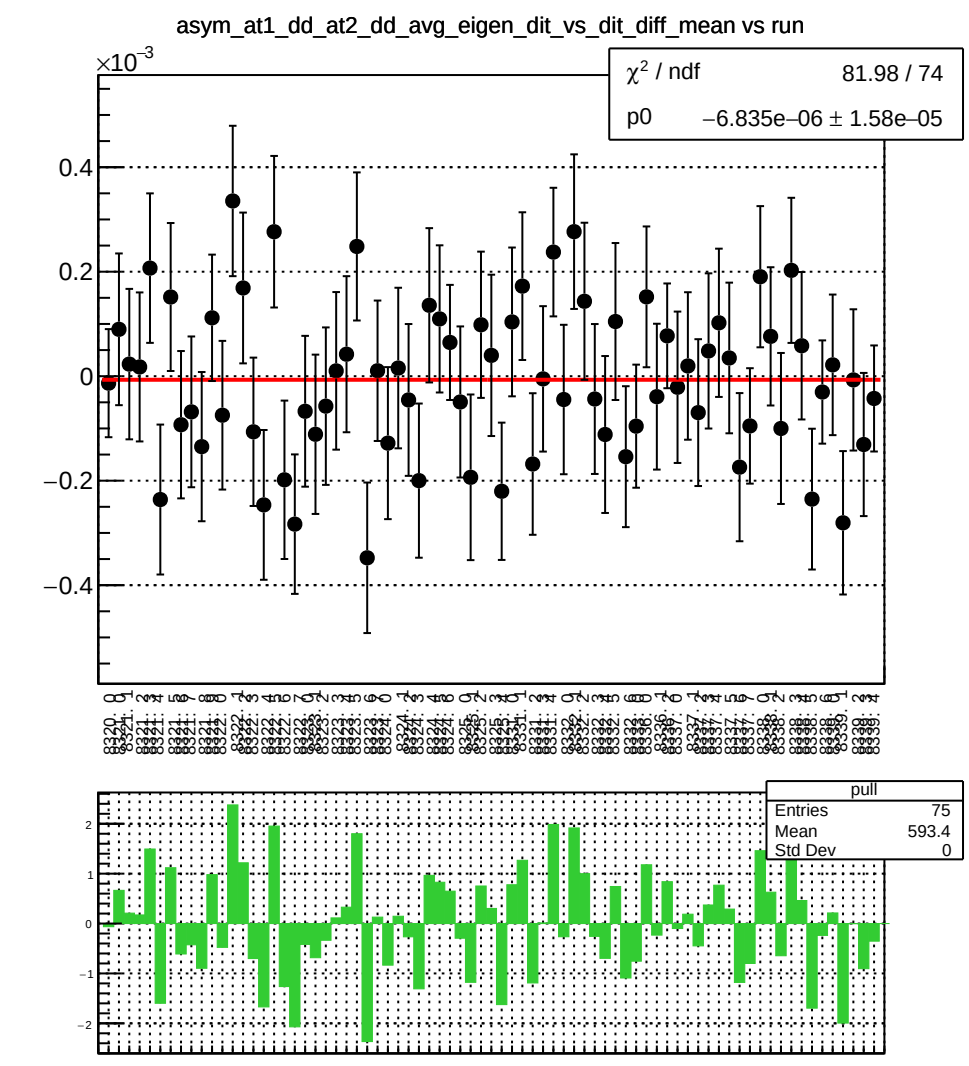

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.02 / 74
p0 −0.006931 ± 0.03028
pull
Entries 75
Mean −21.63
Std Dev 0

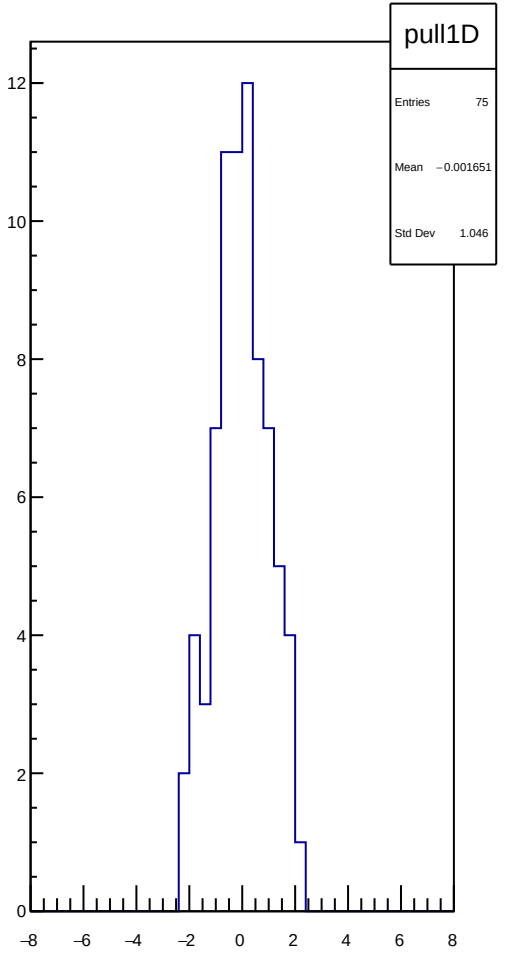

pull1D
Entries 75
Mean −0.04071
Std Dev 1.006

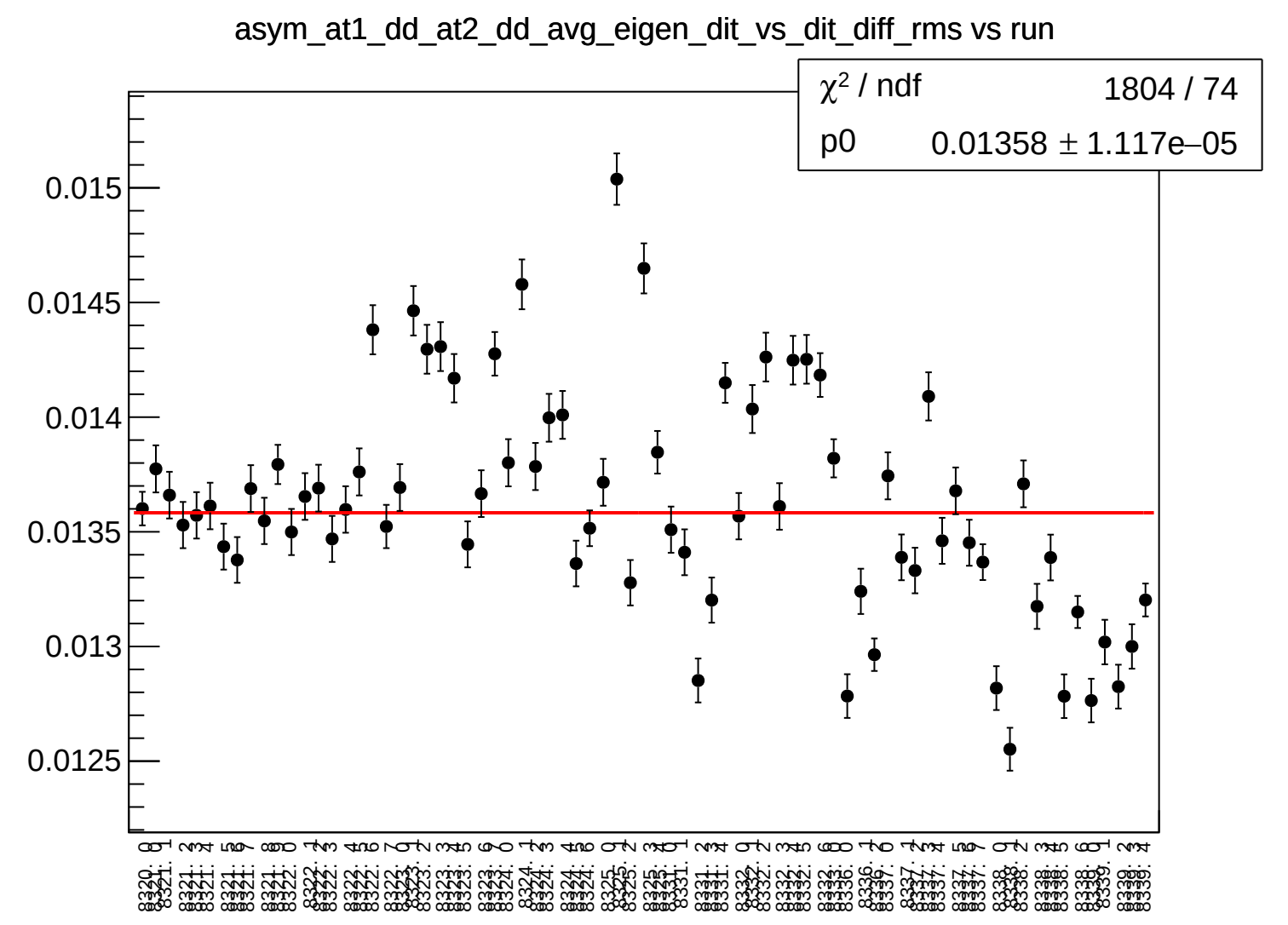

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.648e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

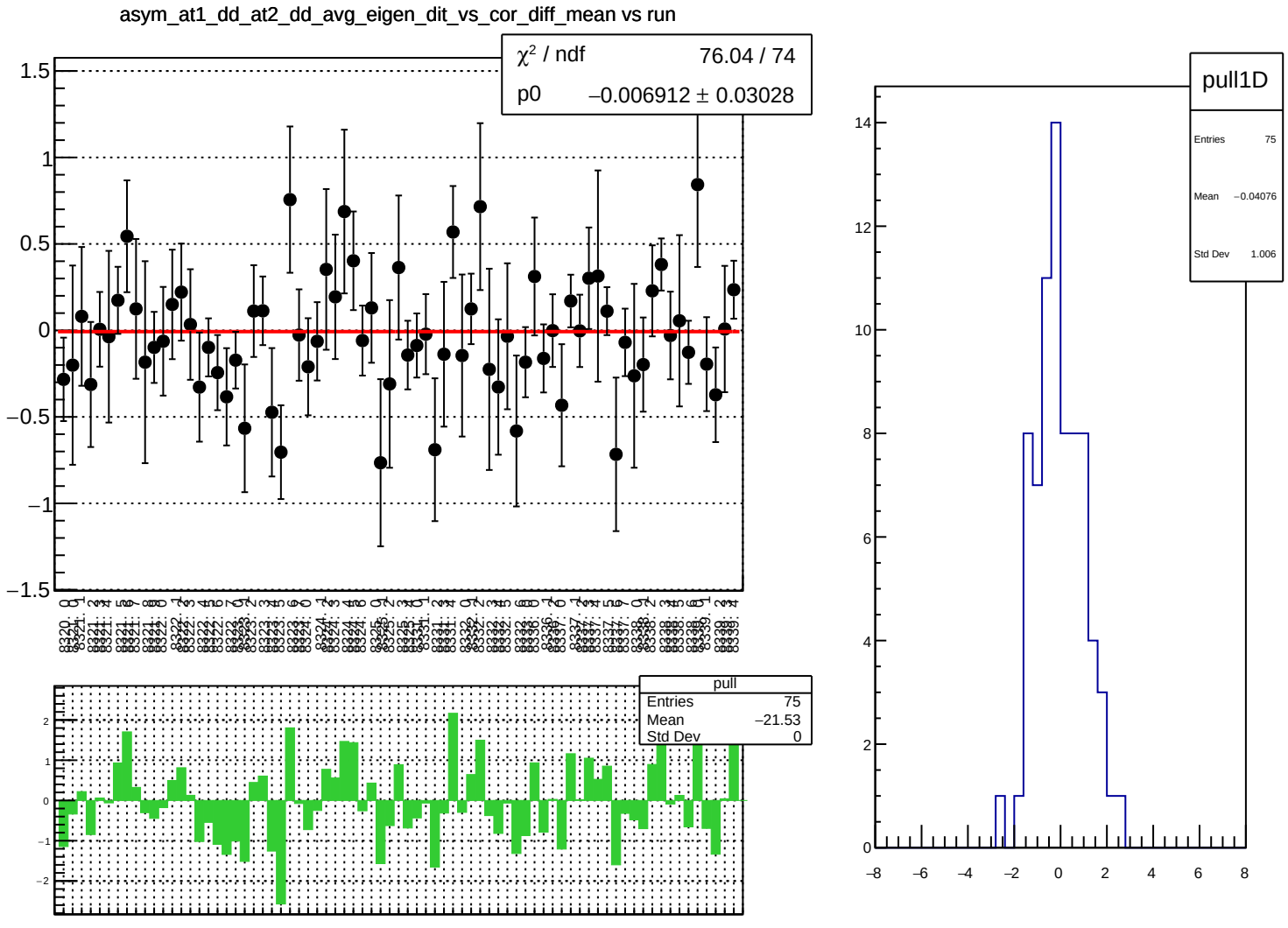

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.02 / 74
p0 −0.006931 ± 0.03028
pull
Entries 75
Mean −21.63
Std Dev 0
pull1D
Entries 75
Mean −0.04071
Std Dev 1.006

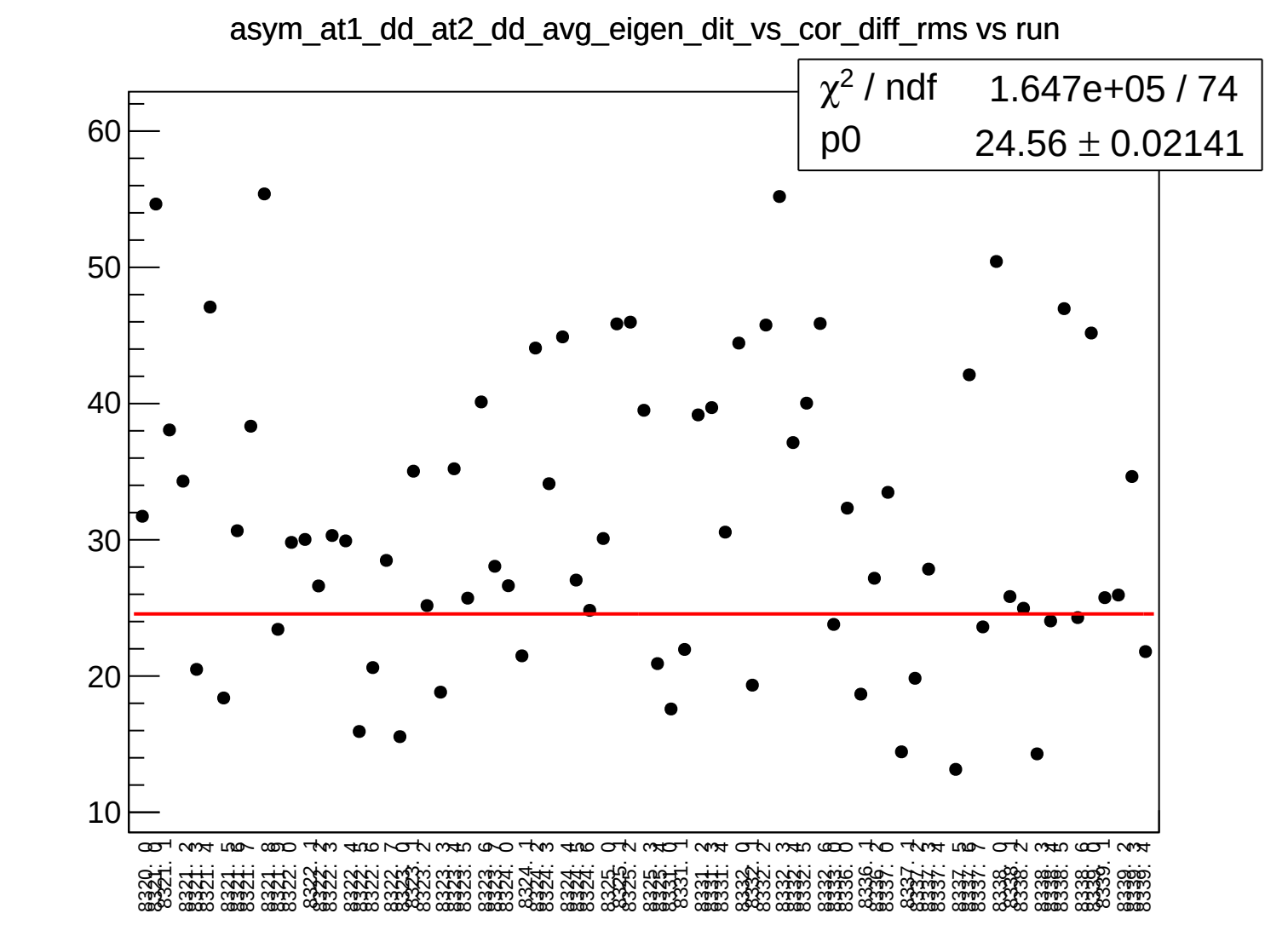

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.648e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

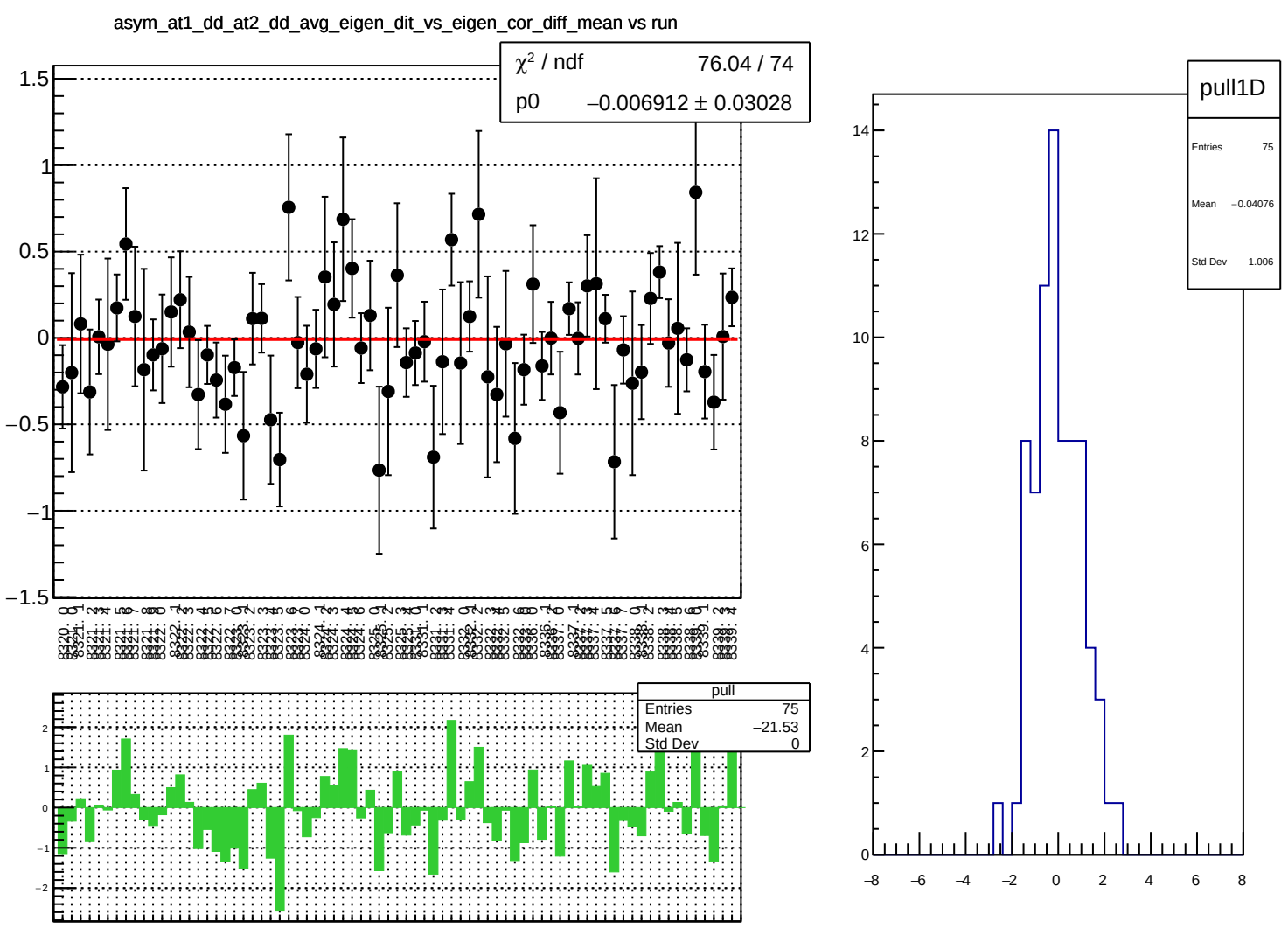

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.98 / 74
p0 −6.835e−06 ± 1.58e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 75
Mean 593.4
Std Dev 0
2
1
0
−1
−2

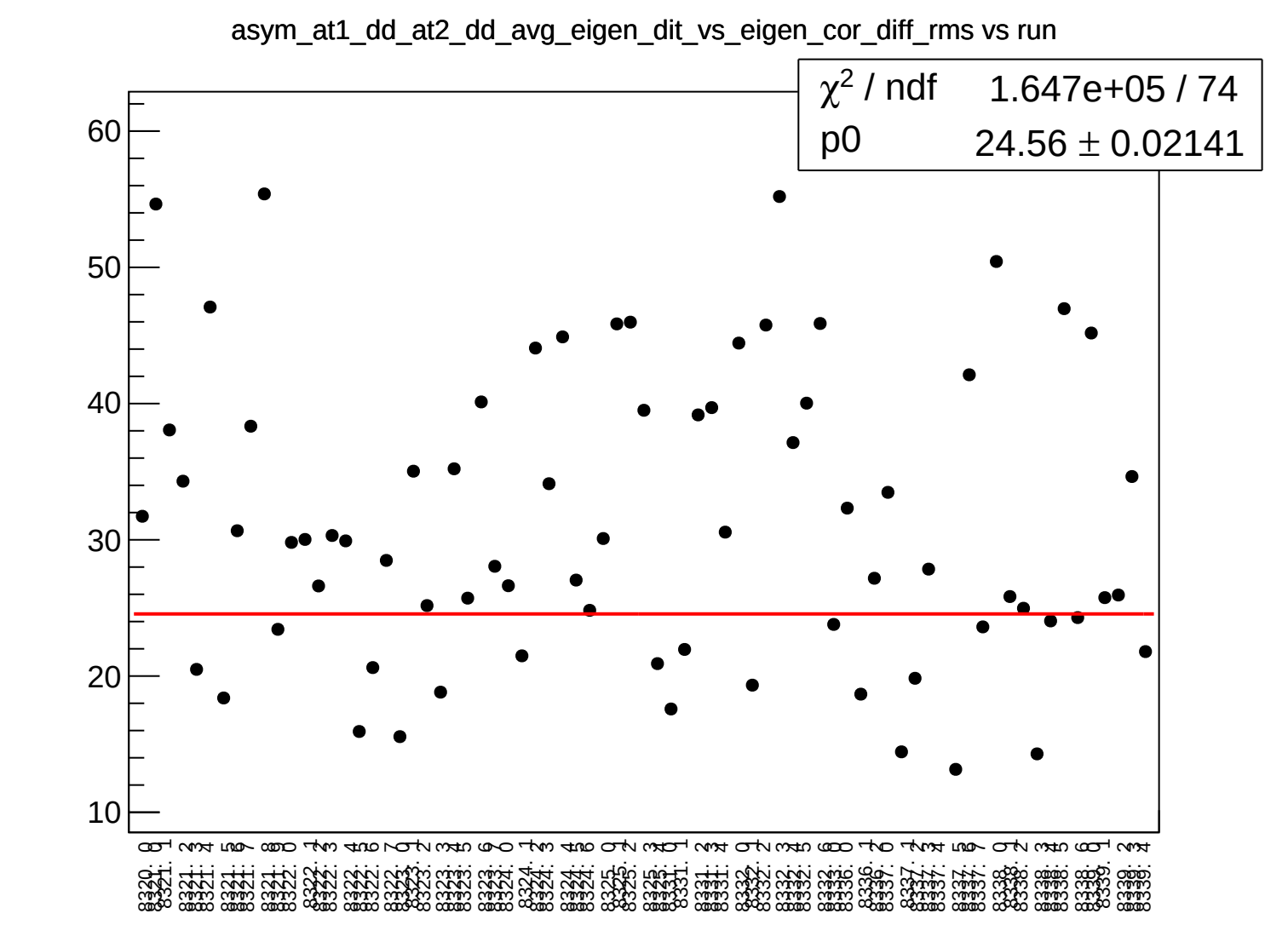

pull1D
Entries 75
Mean −0.001651
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

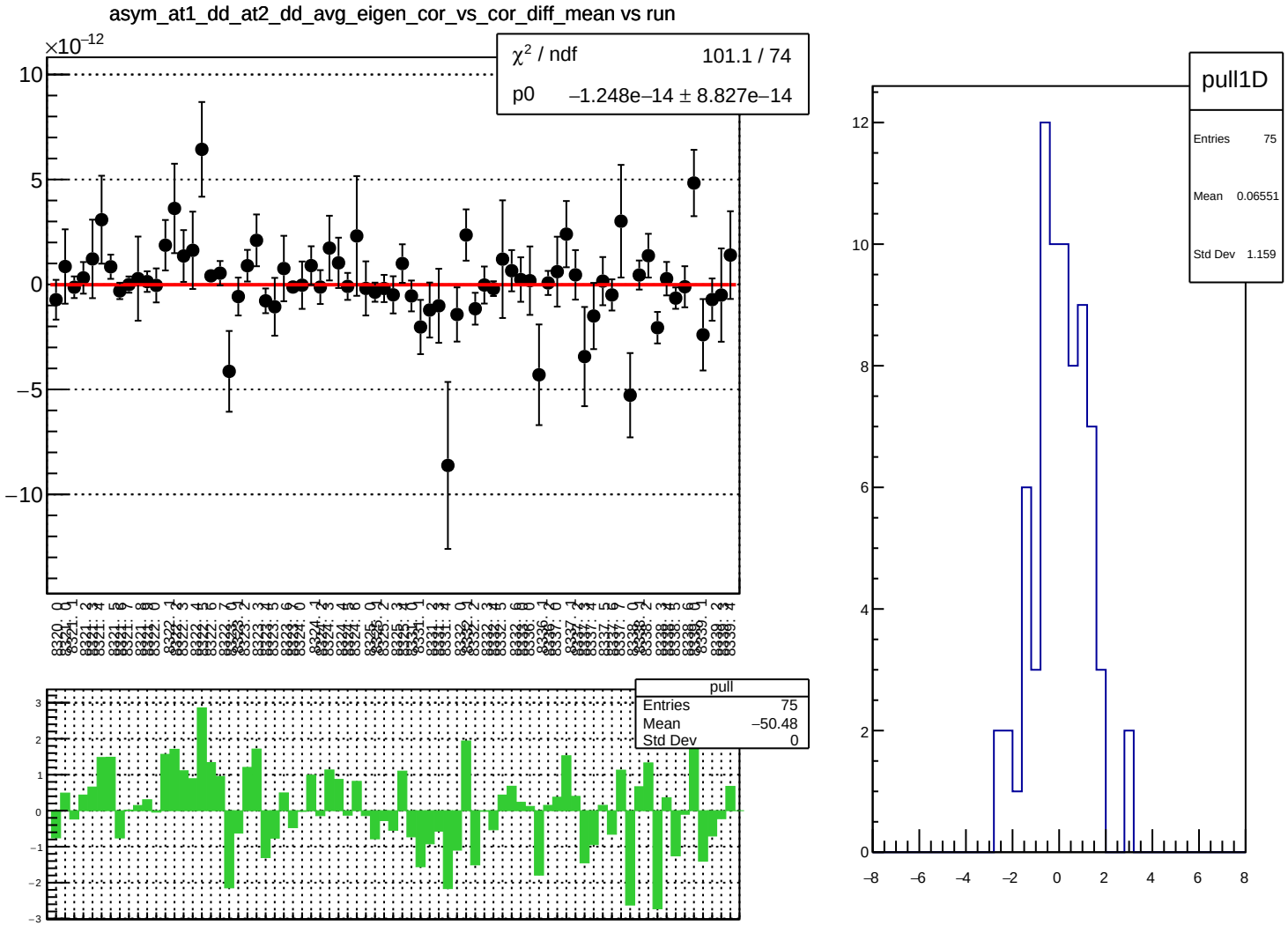

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1804 / 74
p0 0.01358 ± 1.117e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125

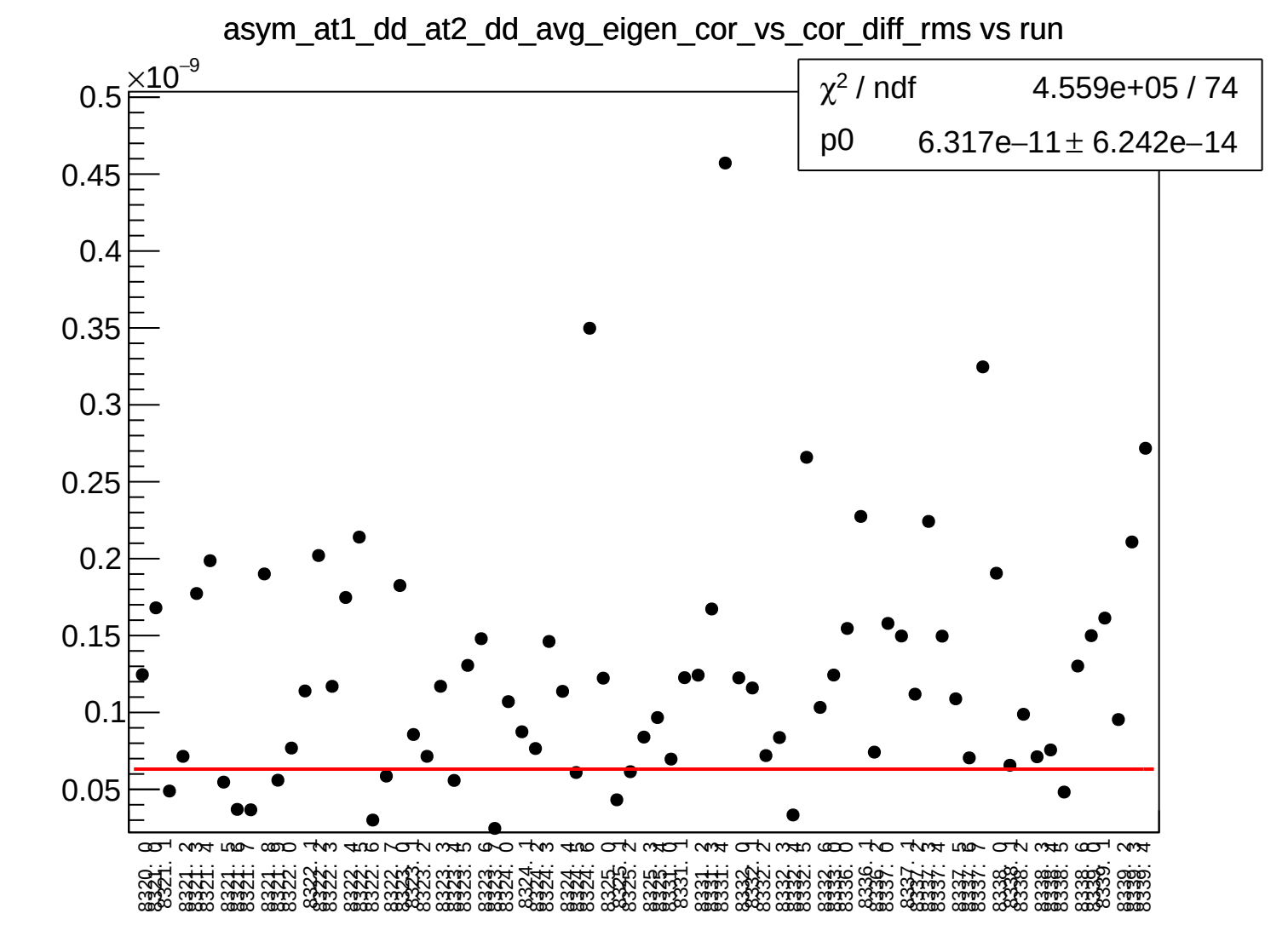

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.04 / 74
p0 −0.006912 ± 0.03028
pull
Entries 75
Mean −21.53
Std Dev 0
pull1D
Entries 75
Mean −0.04076
Std Dev 1.006

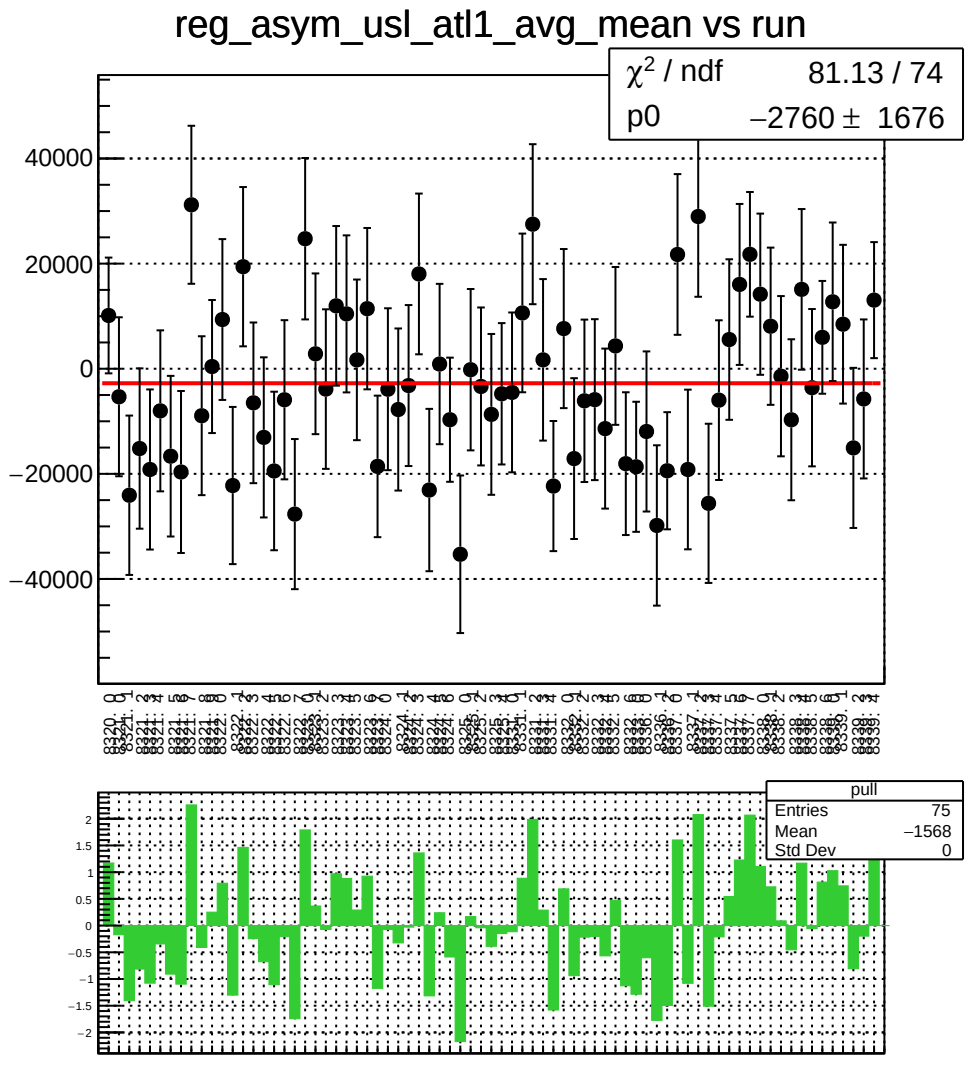

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.647e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

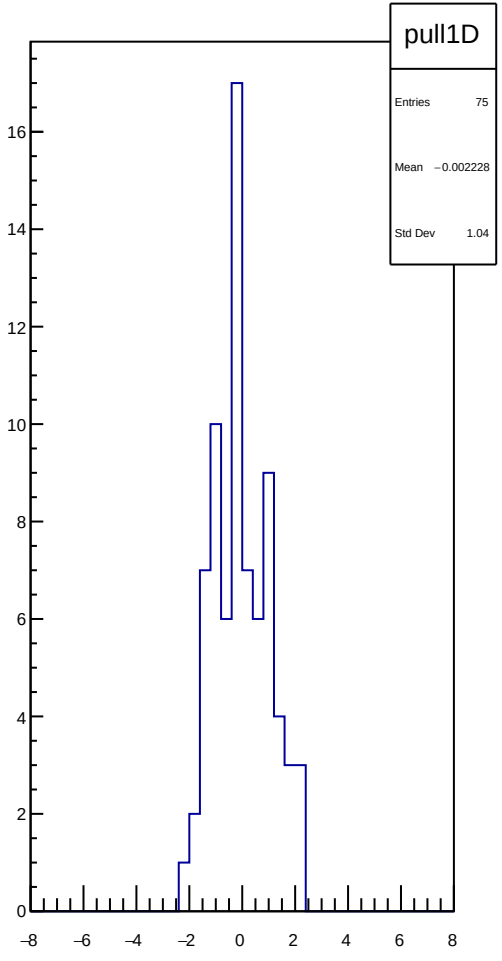

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.04 / 74
p0 −0.006912 ± 0.03028
pull
Entries 75
Mean −21.53
Std Dev 0
pull1D
Entries 75
Mean −0.04076
Std Dev 1.006

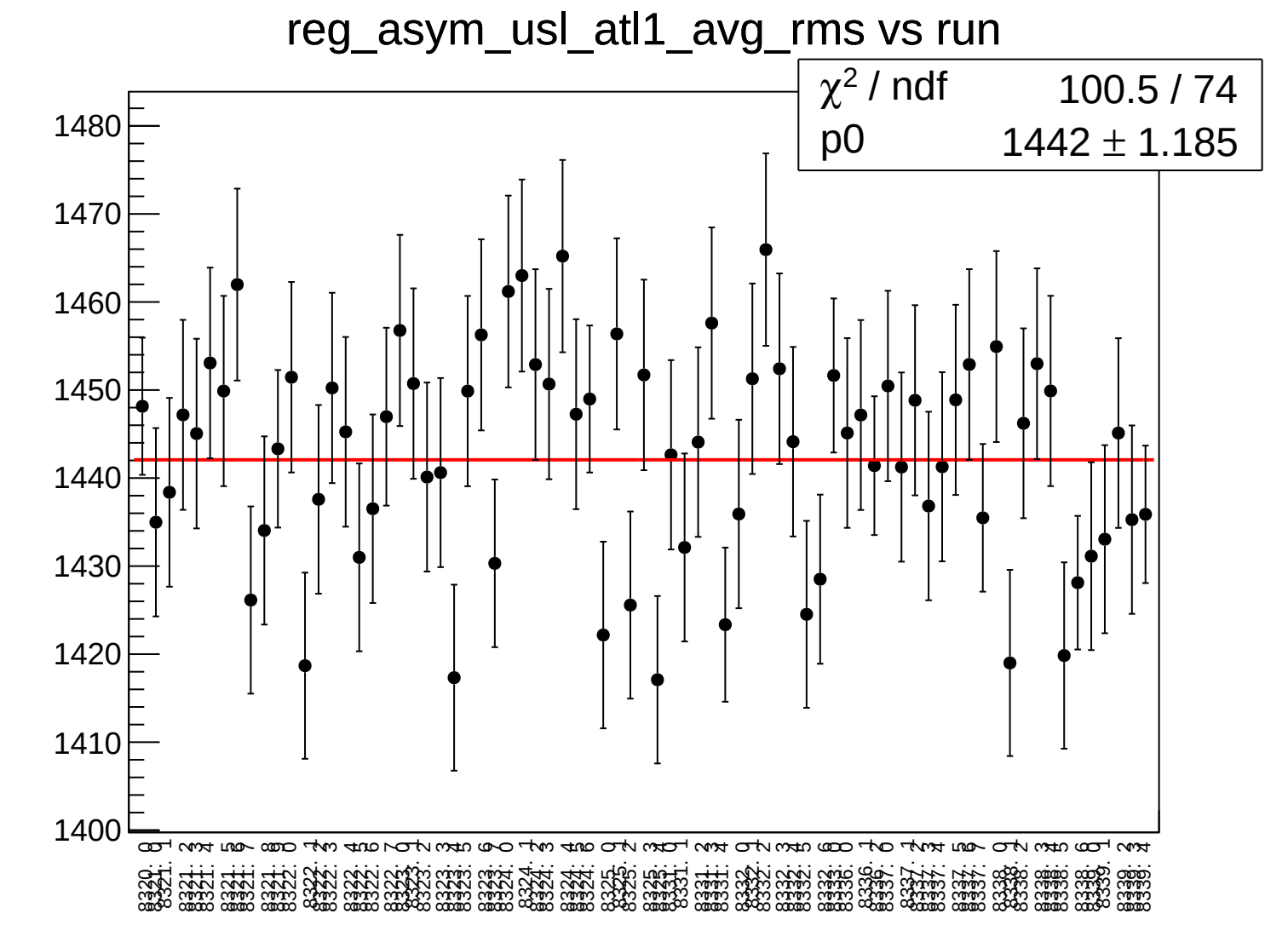

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.647e+05 / 74
p0 24.56 ± 0.02141
60
50
40
30
20
10

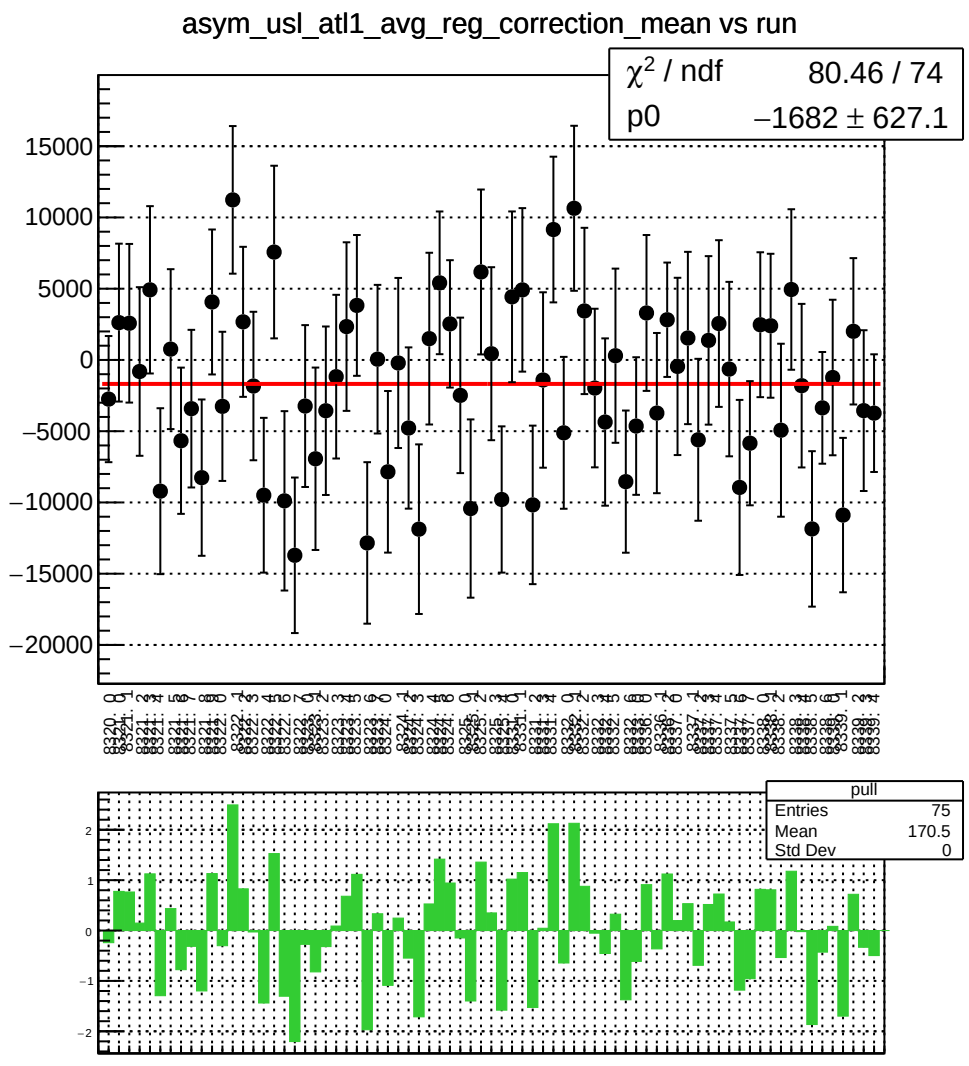

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 101.1 / 74
p0 −1.248e−14 ± 8.827e−14
pull
Entries 75
Mean −50.48
Std Dev 0
pull1D
Entries 75
Mean 0.06551
Std Dev 1.159

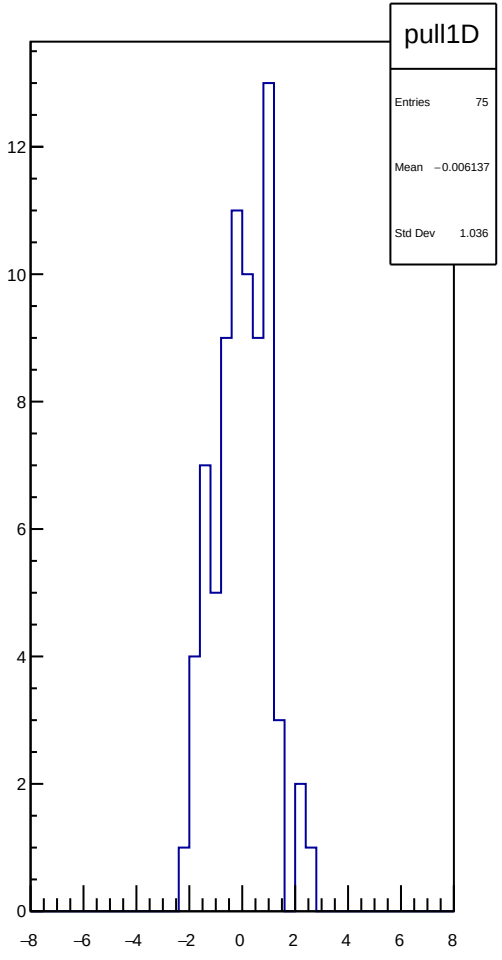

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 4.559e+05 / 74
p0 6.317e−11 ± 6.242e−14

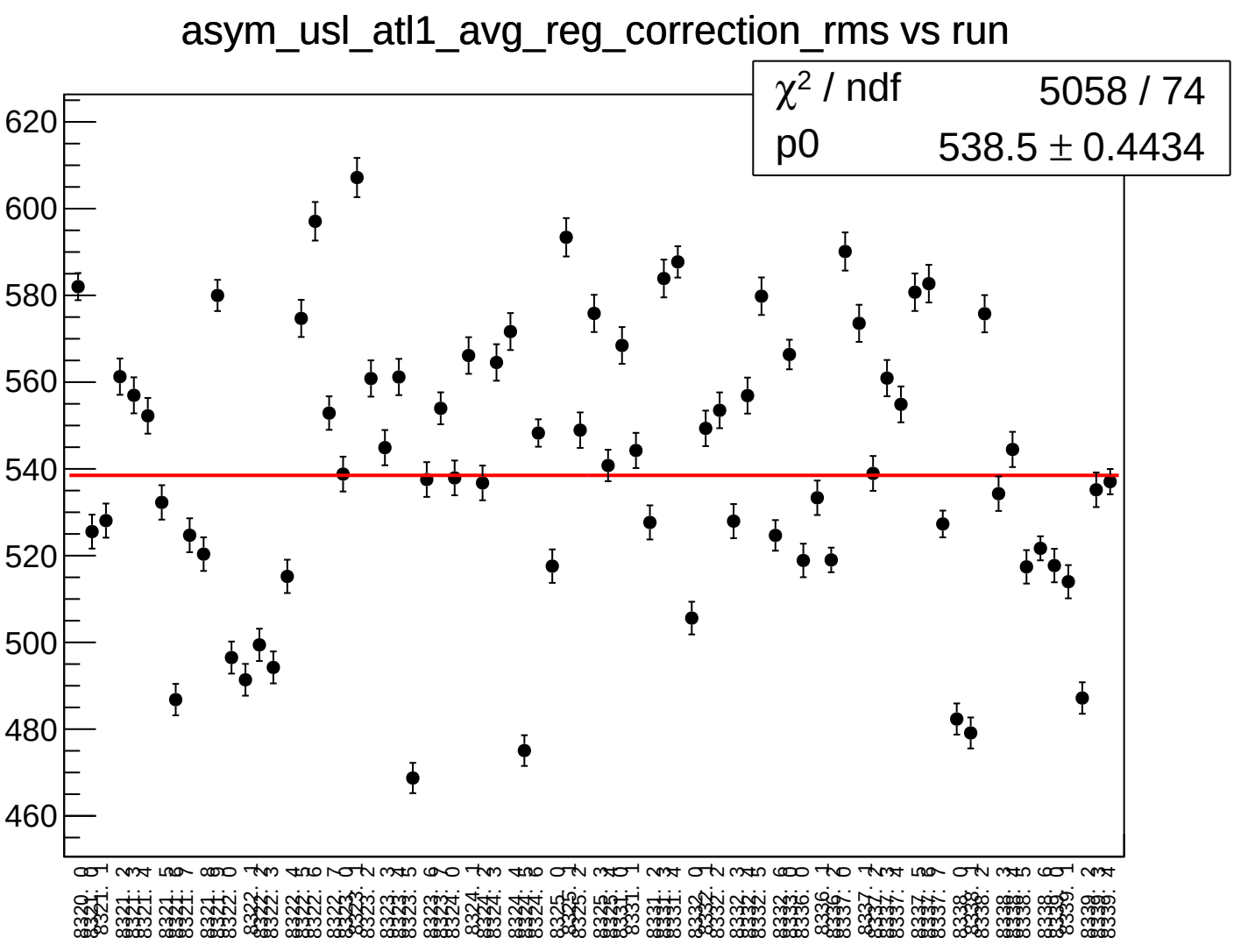

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 81.13 / 74
p0 −2760 ± 1676
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1568
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

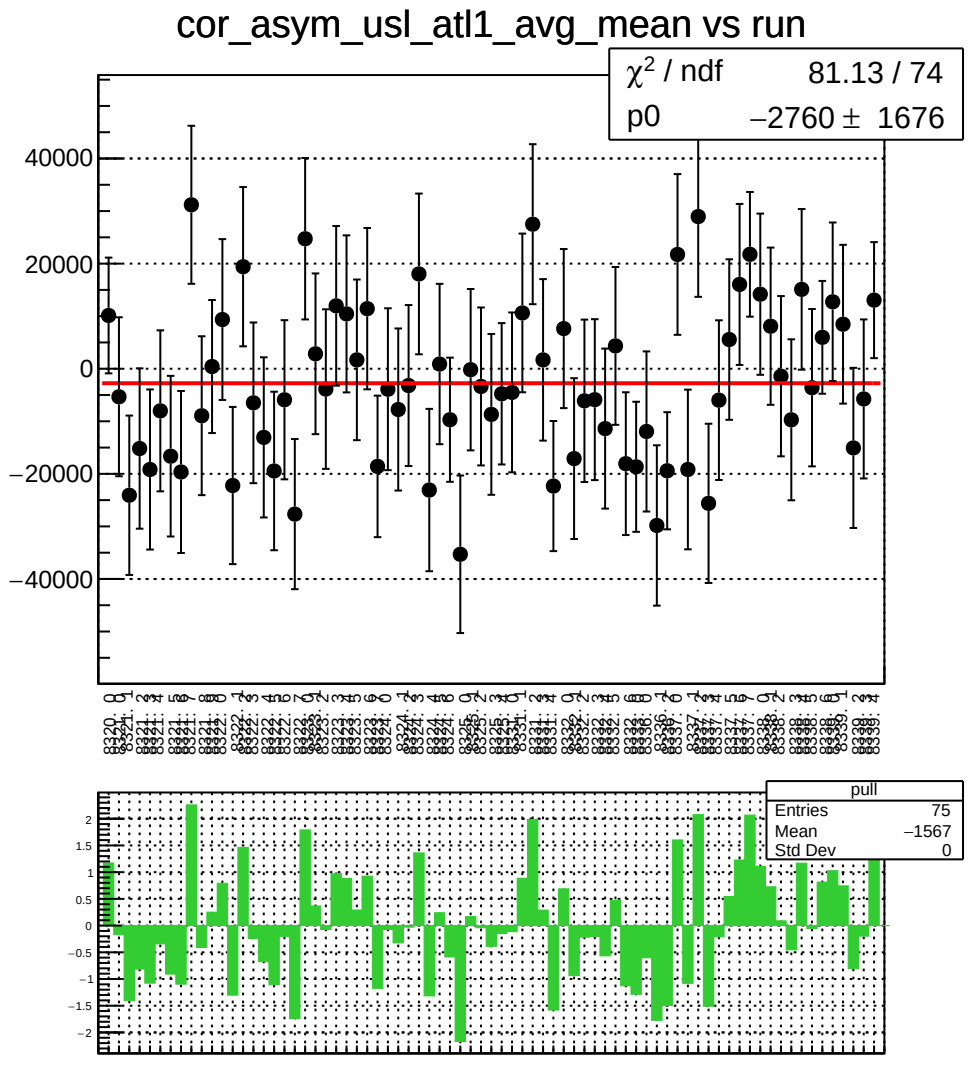

pull1D
Entries 75
Mean −0.002228
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

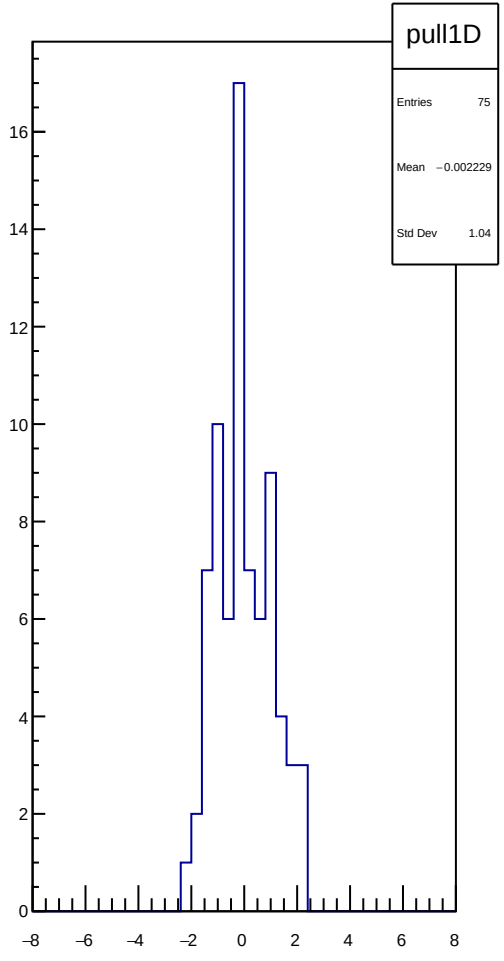

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 100.5 / 74
p0 1442 ± 1.185
1480
1470
1460
1450
1440
1430
1420
1410
1400

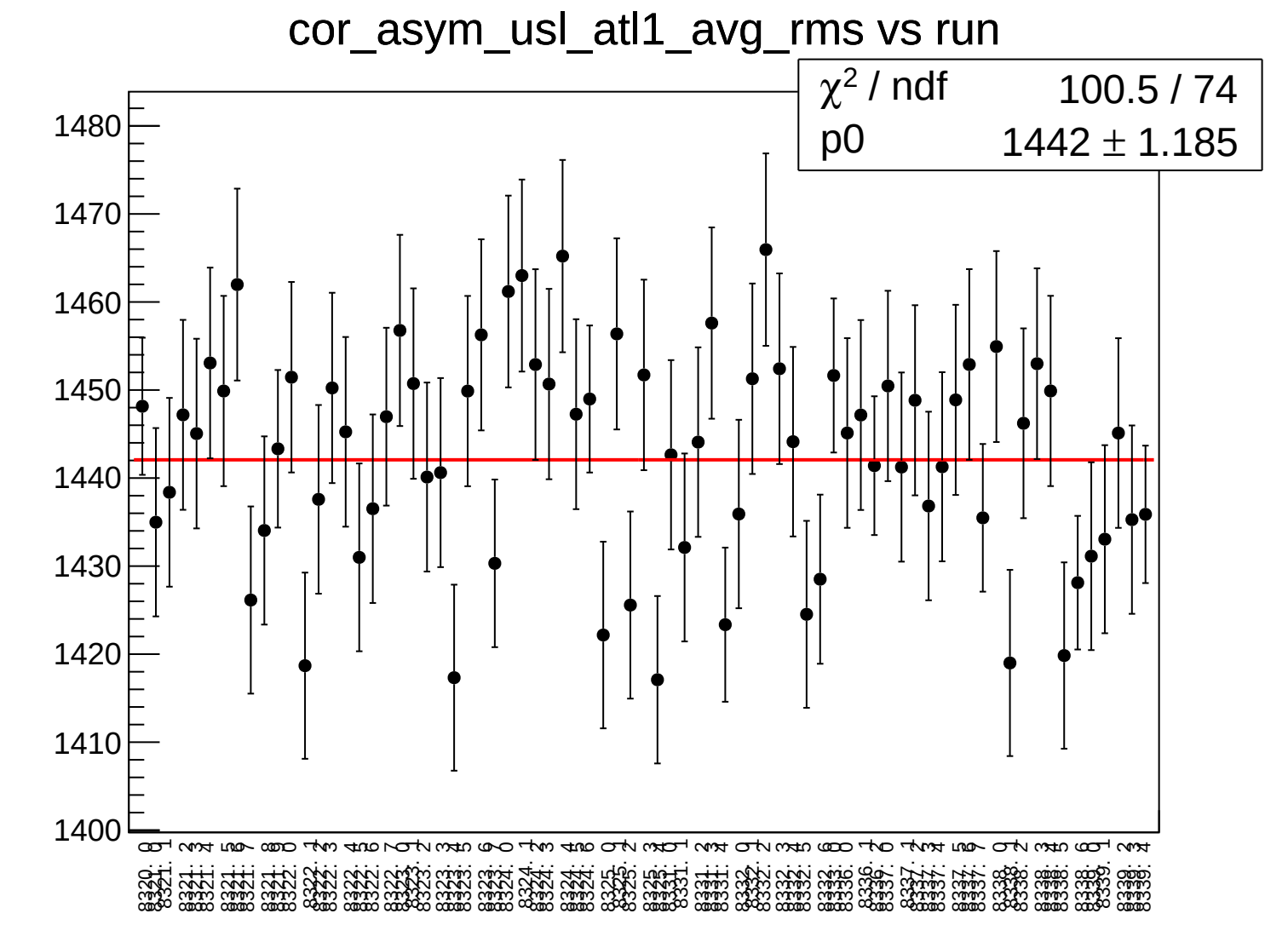

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 80.46 / 74
p0 −1682 ± 627.1
pull
Entries 75
Mean 170.5
Std Dev 0

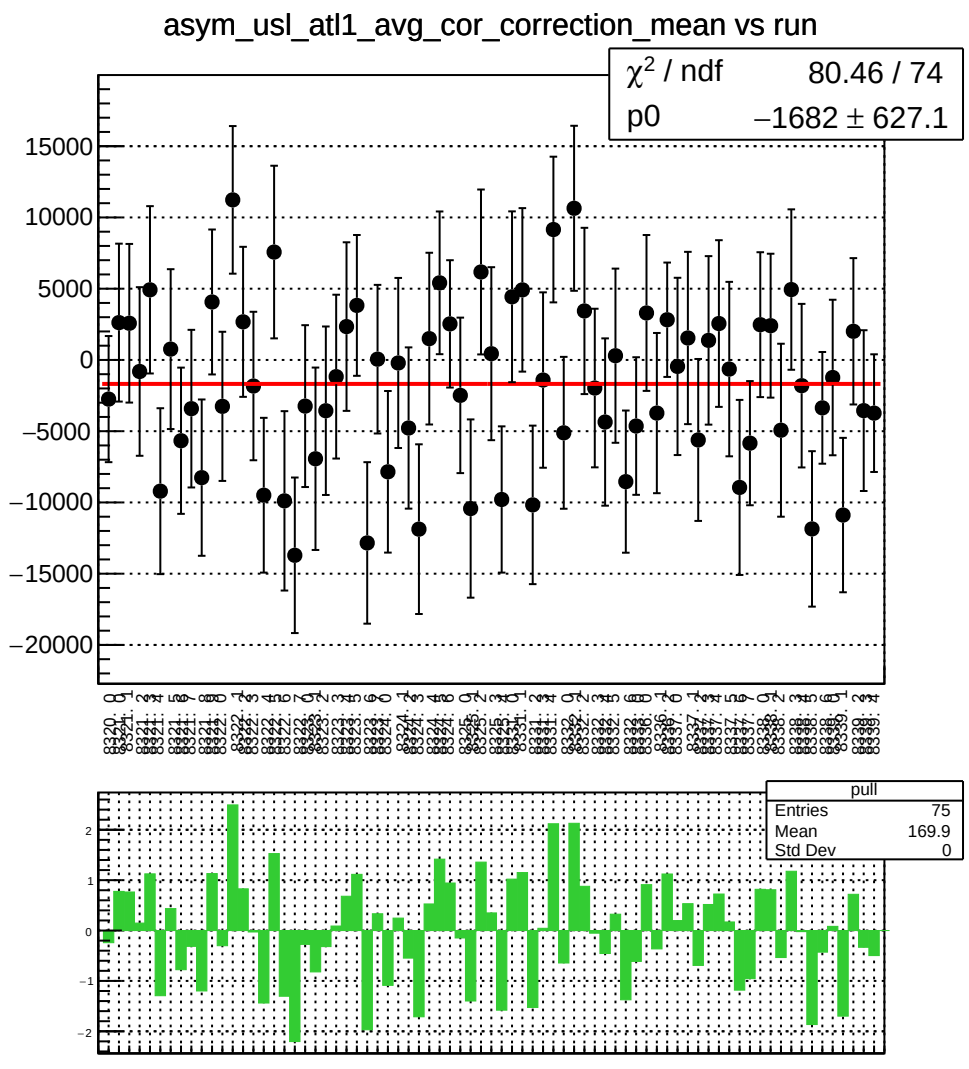

pull1D
Entries 75
Mean −0.006137
Std Dev 1.036

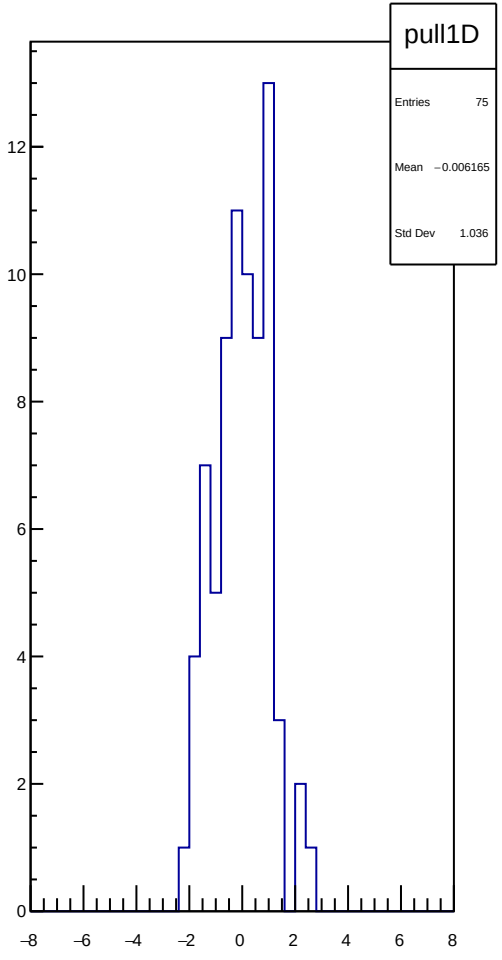

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 5058 / 74
p0 538.5 ± 0.4434
620
600
580
560
540
520
500
480
460

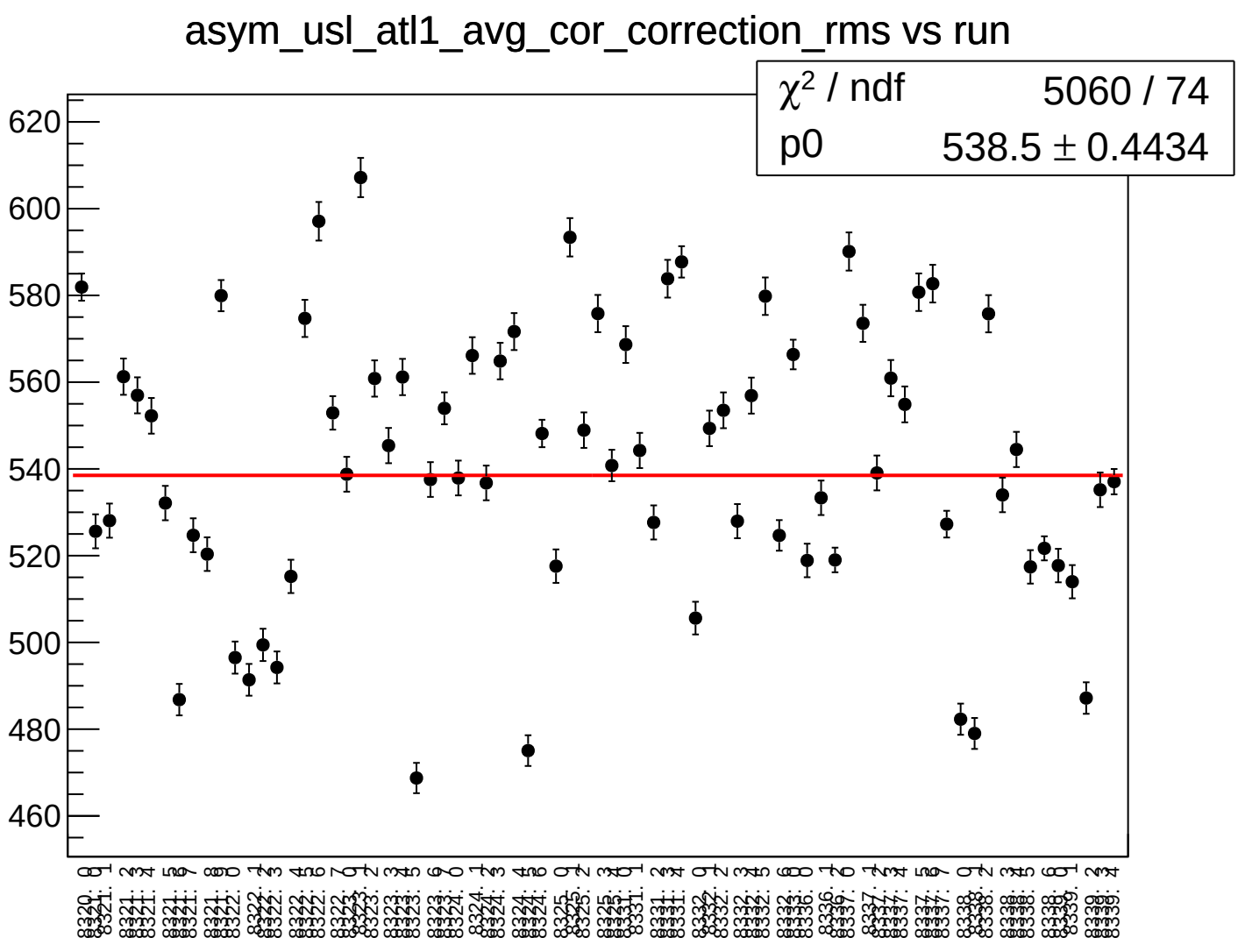

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 81.13 / 74
p0 −2760 ± 1676
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1567
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

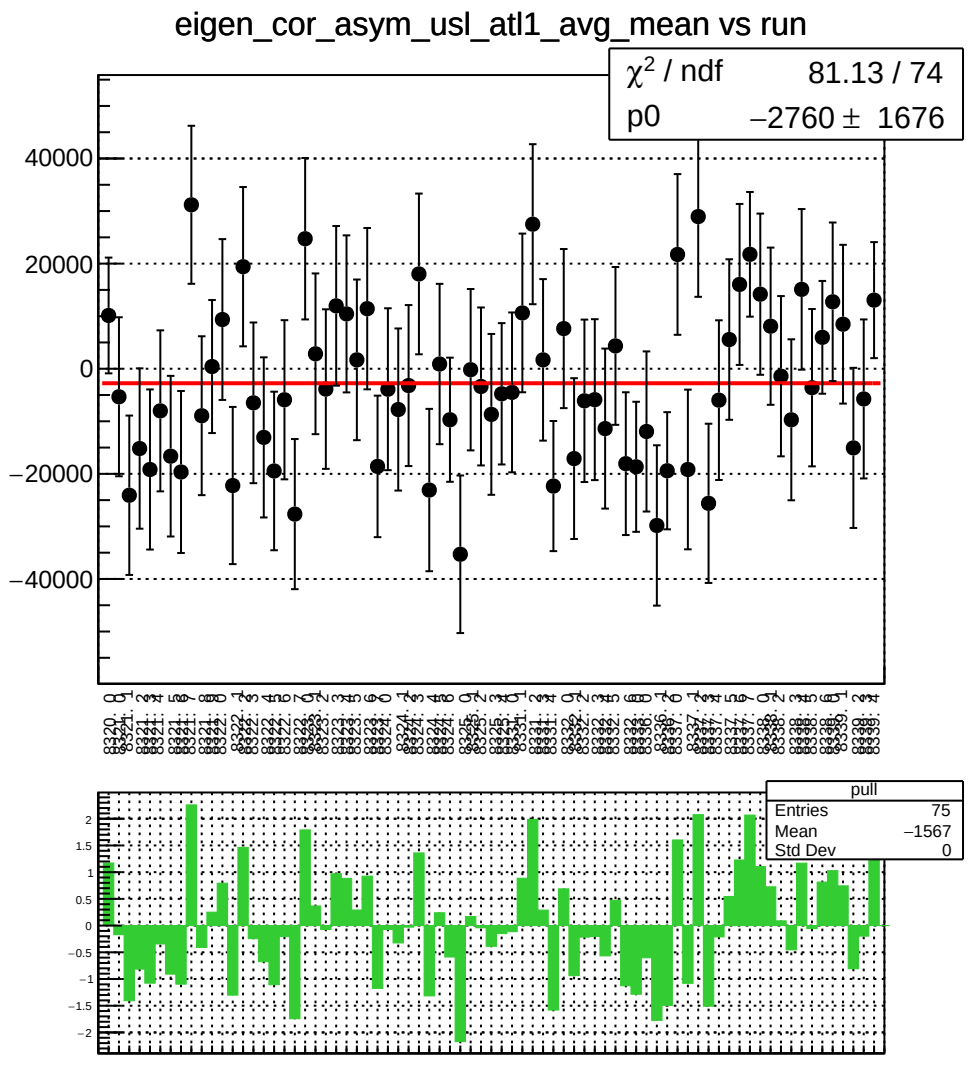

pull1D
Entries 75
Mean −0.002229
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

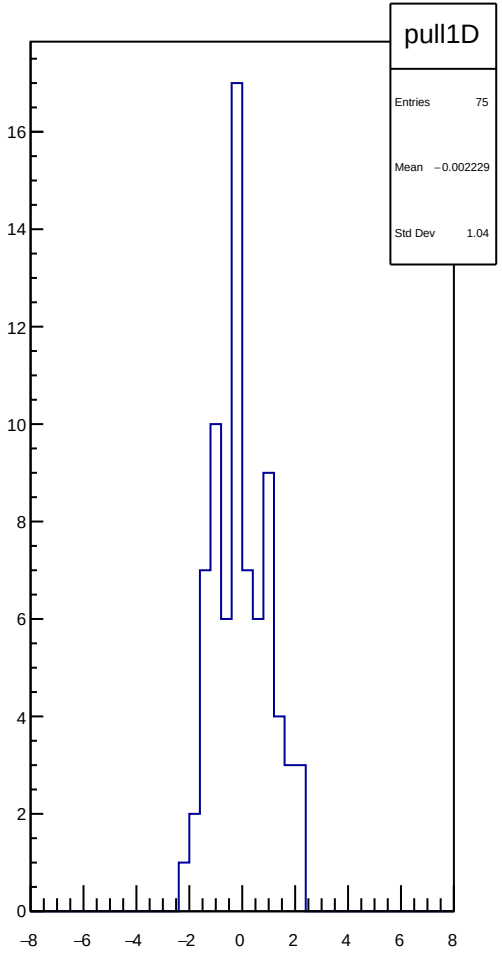

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 100.5 / 74
p0 1442 ± 1.185
1480
1470
1460
1450
1440
1430
1420
1410
1400

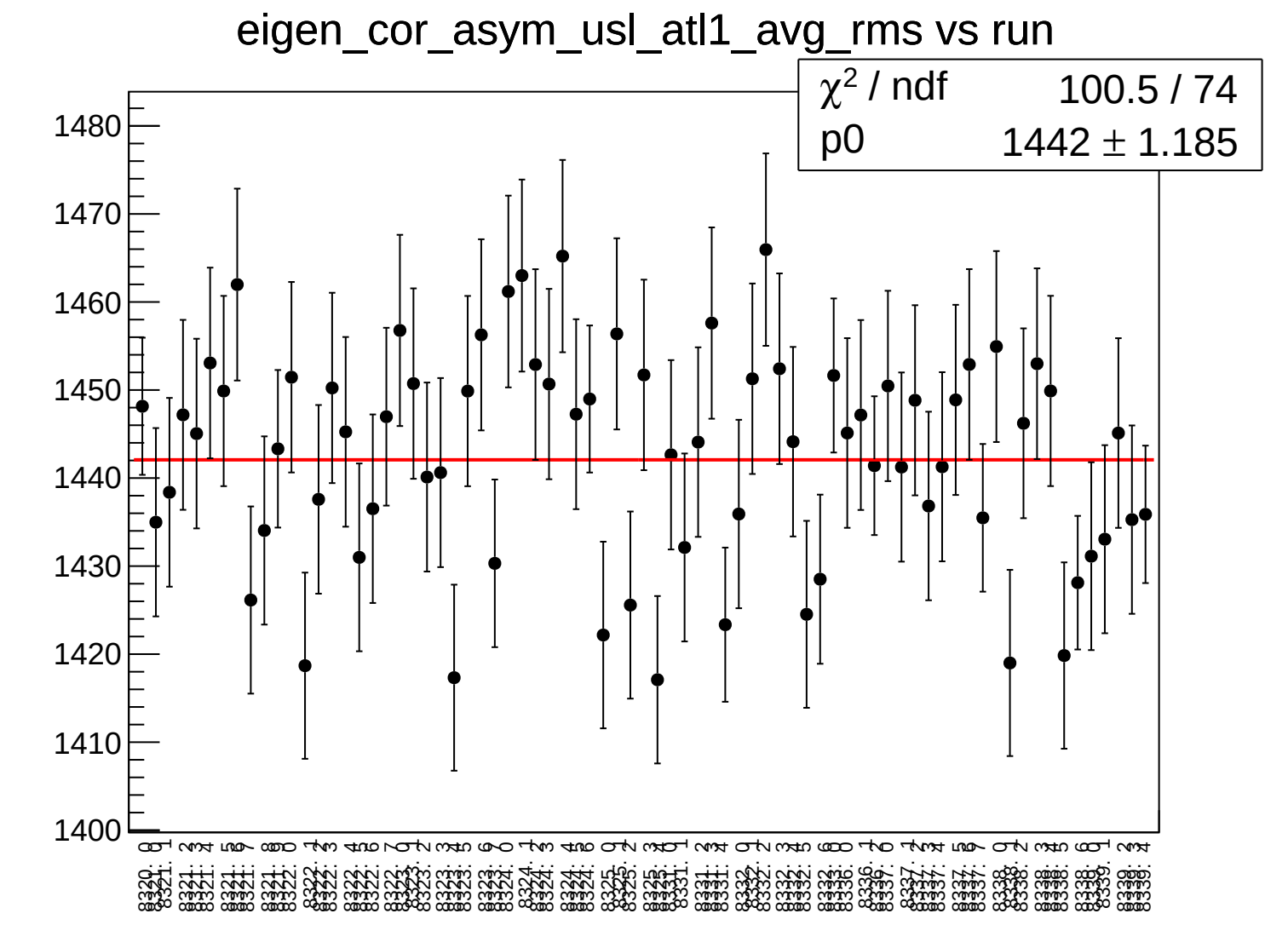

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 80.46 / 74
p0 −1682 ± 627.1
pull
Entries 75
Mean 169.9
Std Dev 0

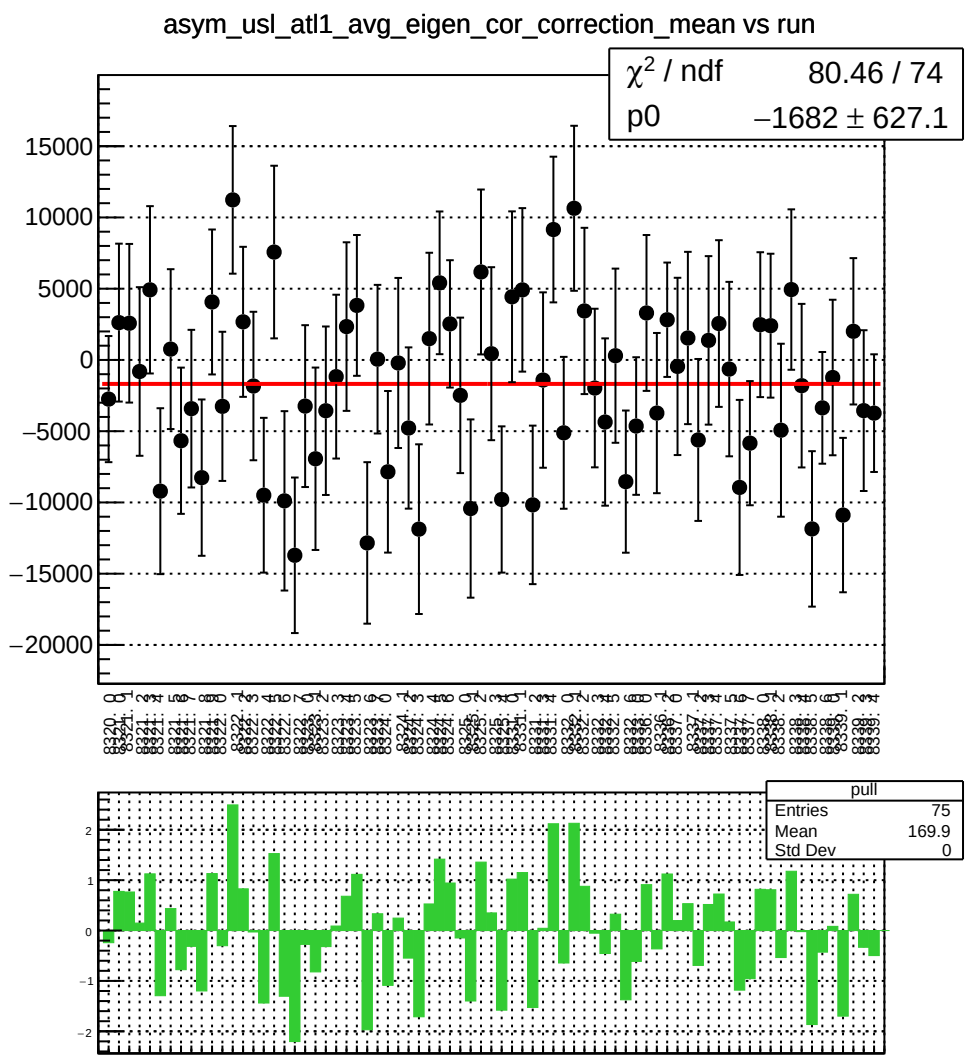

pull1D
Entries 75
Mean −0.006165
Std Dev 1.036

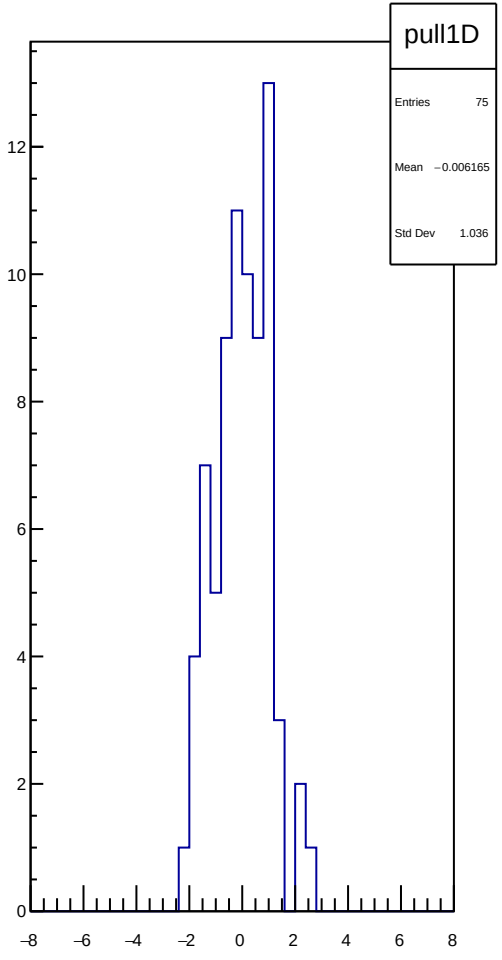

asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 5060 / 74
p0 538.5 ± 0.4434
620
600
580
560
540
520
500
480
460

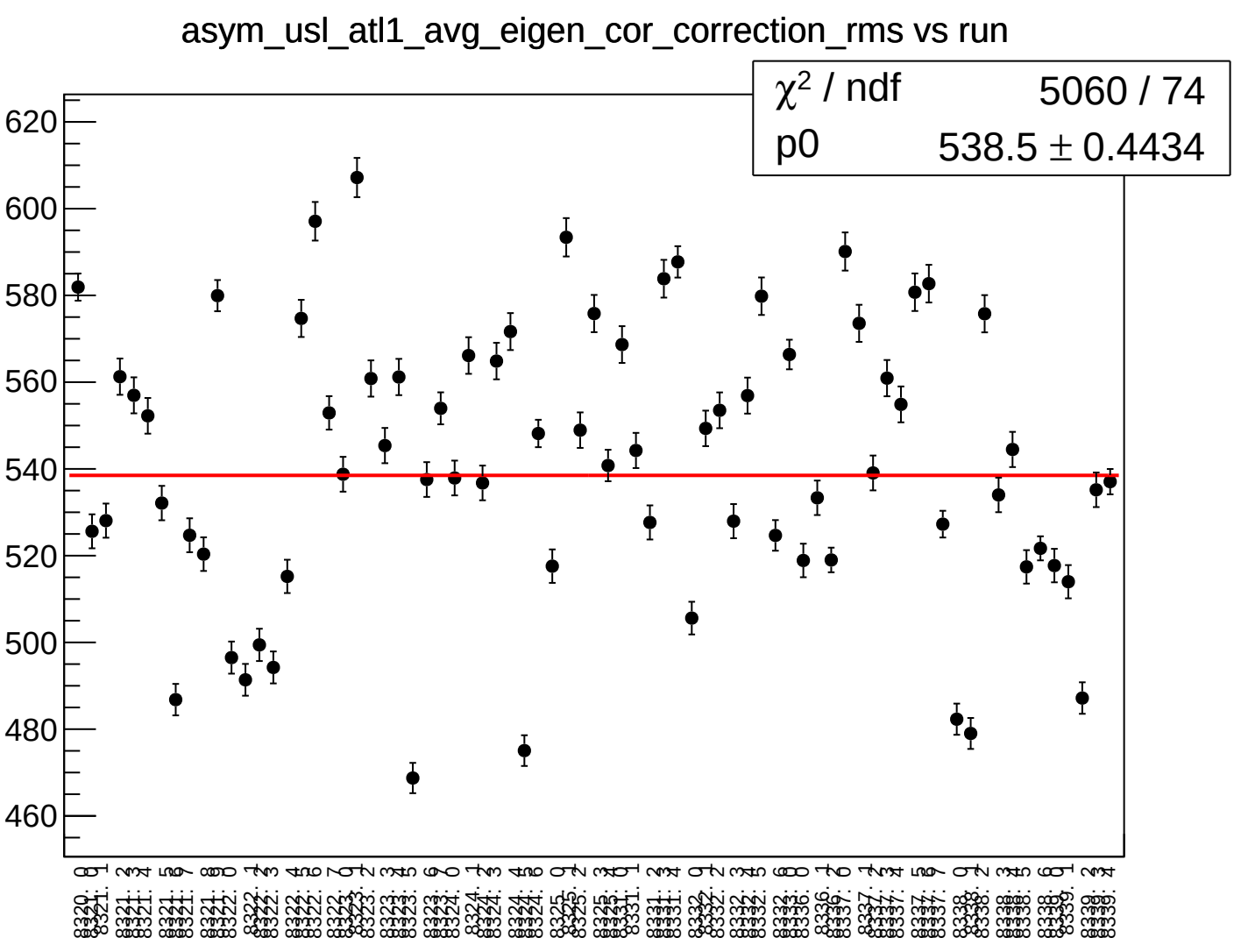

eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 81.13 / 74
p0 −2760 ± 1676
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1567
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

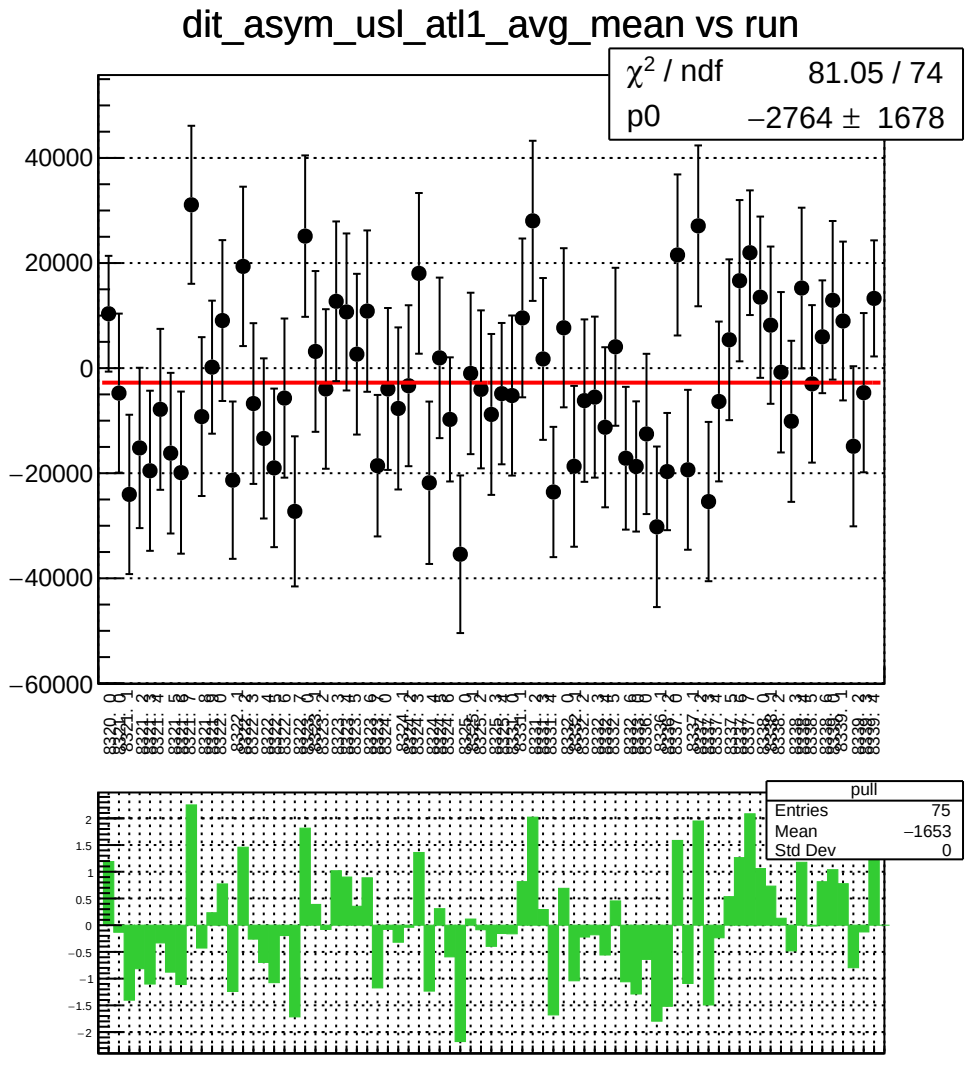

pull1D
Entries 75
Mean −0.002229
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

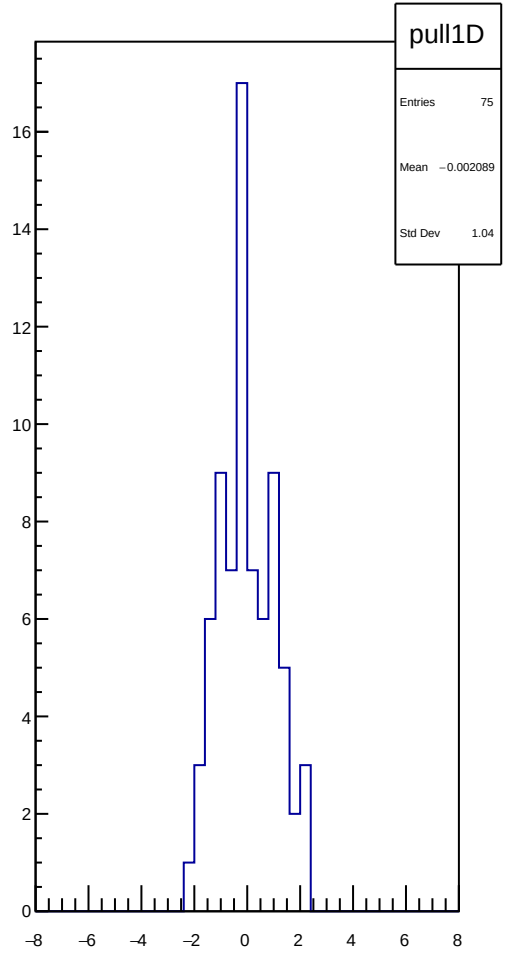

eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 100.5 / 74
p0 1442 ± 1.185
1480
1470
1460
1450
1440
1430
1420
1410
1400

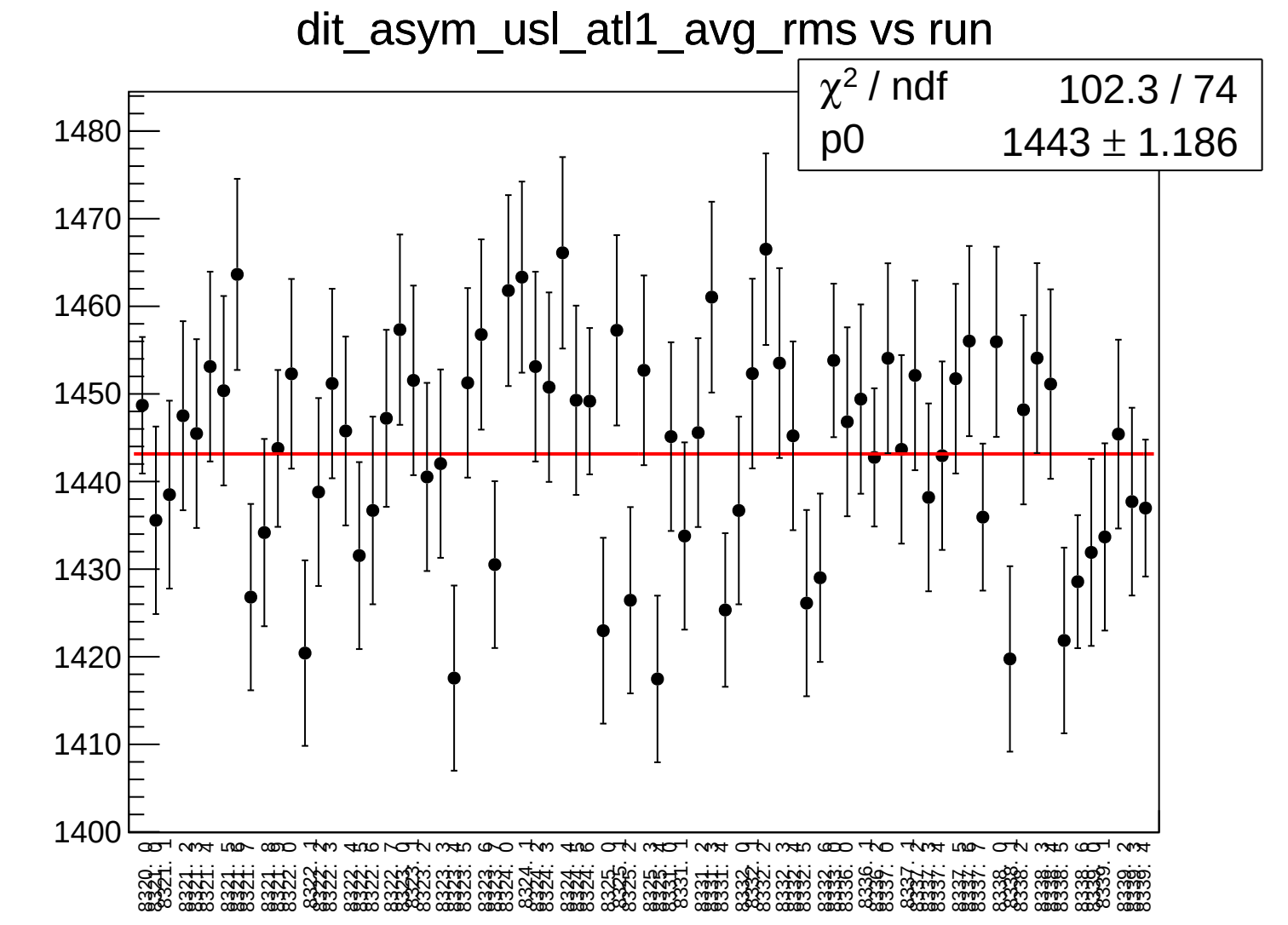

asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 80.46 / 74
p0 −1682 ± 627.1
pull
Entries 75
Mean 169.9
Std Dev 0

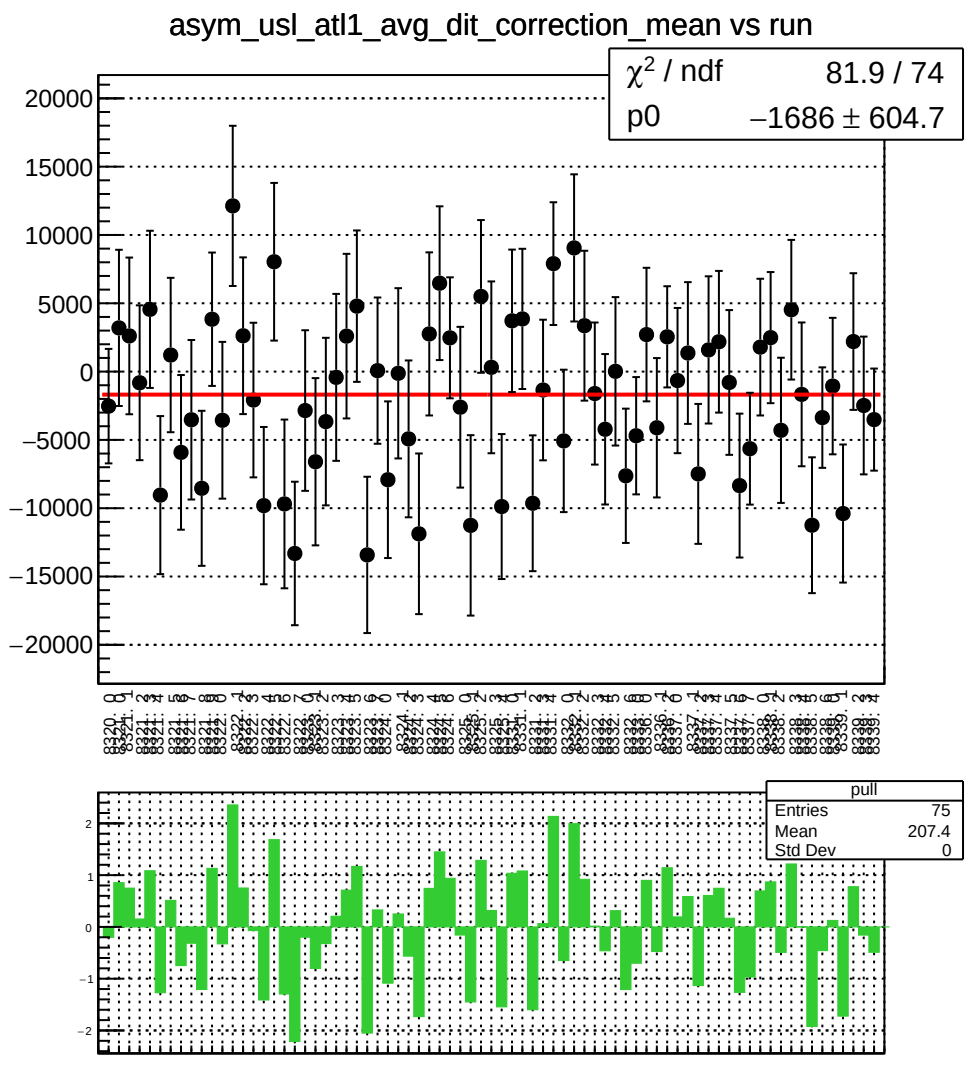

pull1D
Entries 75
Mean −0.006165
Std Dev 1.036

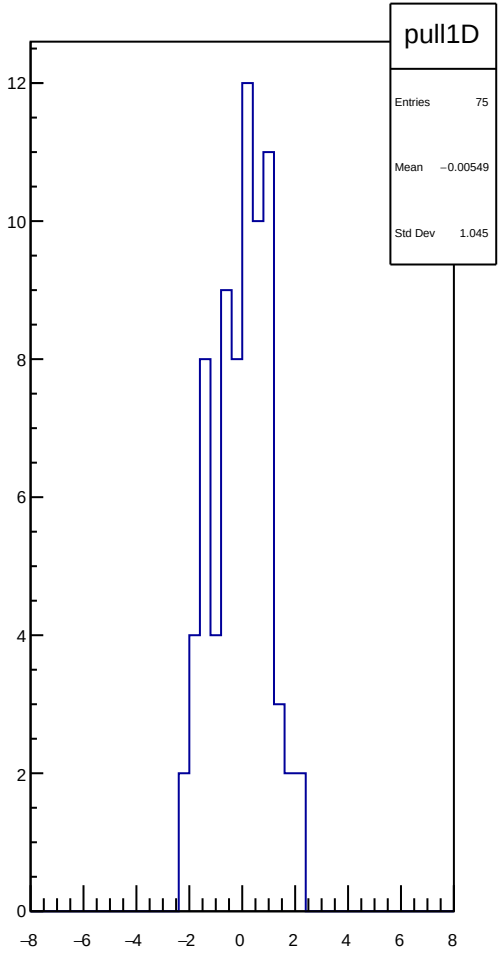

asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5060 / 74
p0 538.5 ± 0.4434
620
600
580
560
540
520
500
480
460

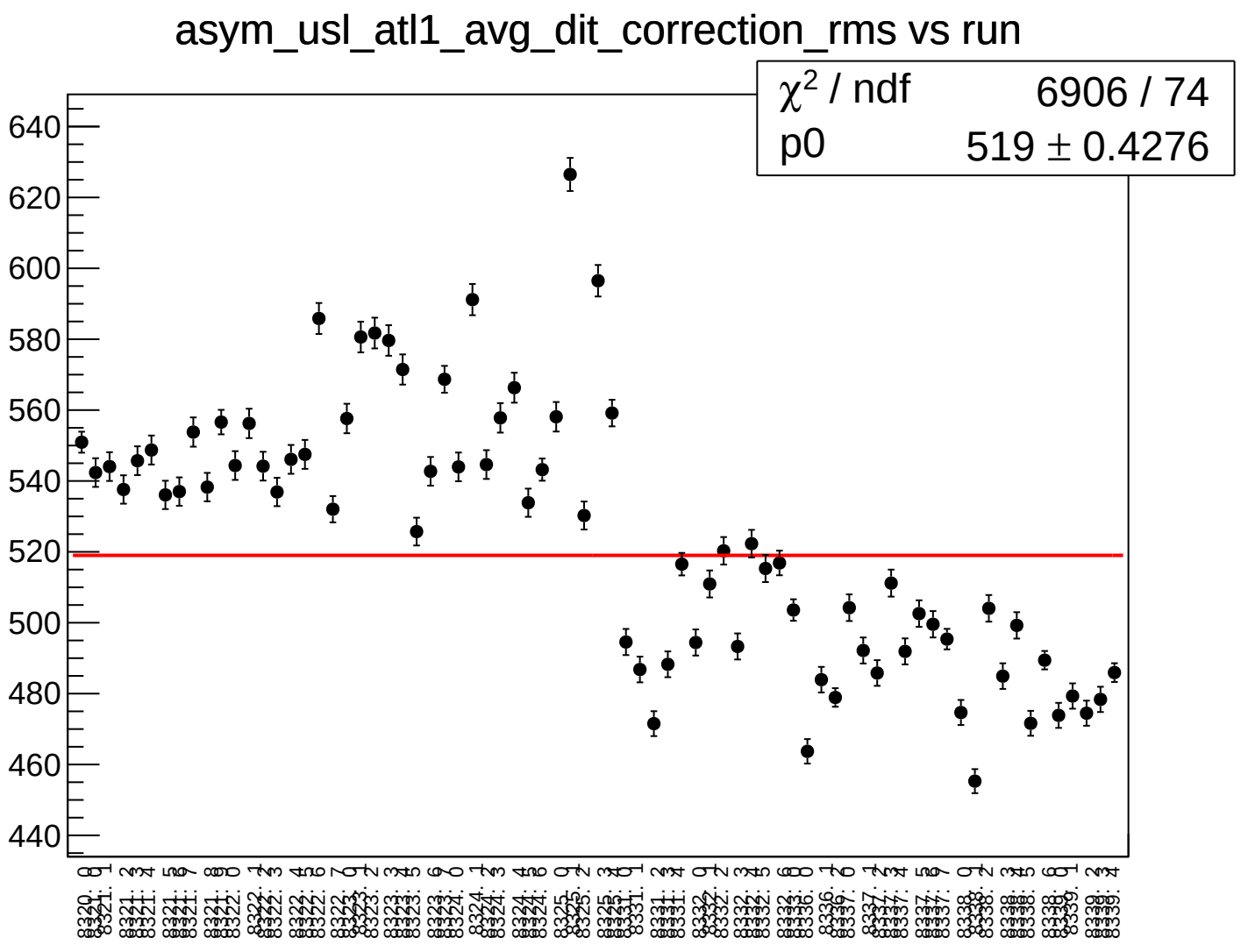

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 81.05 / 74
p0 −2764 ± 1678
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −1653
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

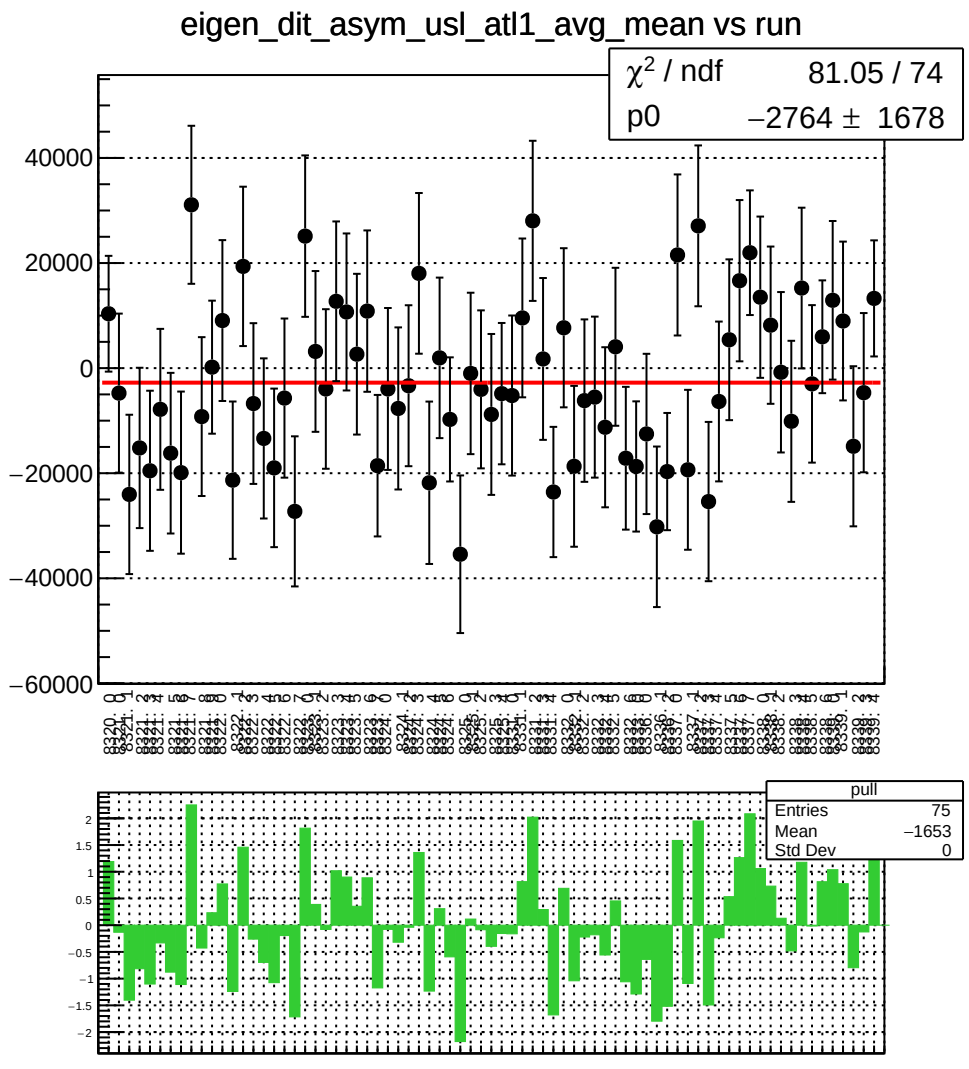

pull1D
Entries 75
Mean −0.002089
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

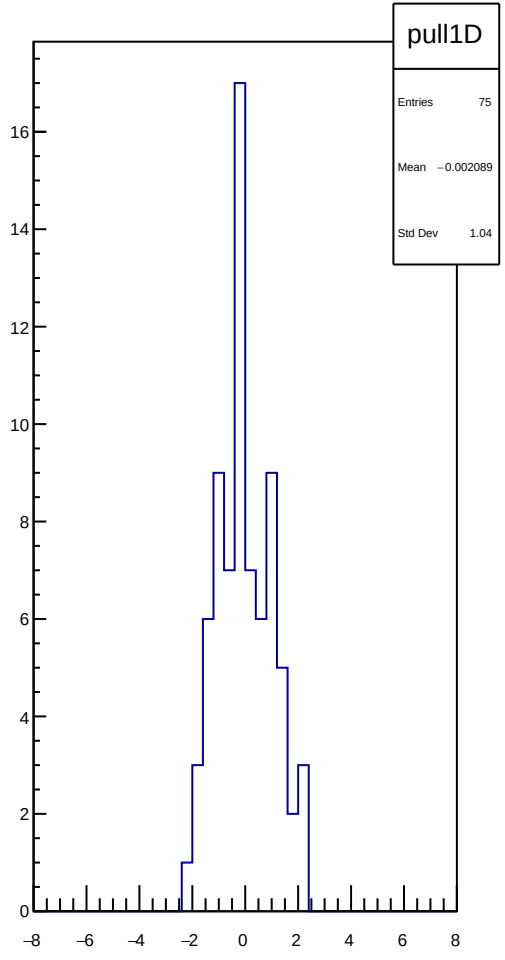

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 102.3 / 74
p0 1443 ± 1.186
1480
1470
1460
1450
1440
1430
1420
1410
1400

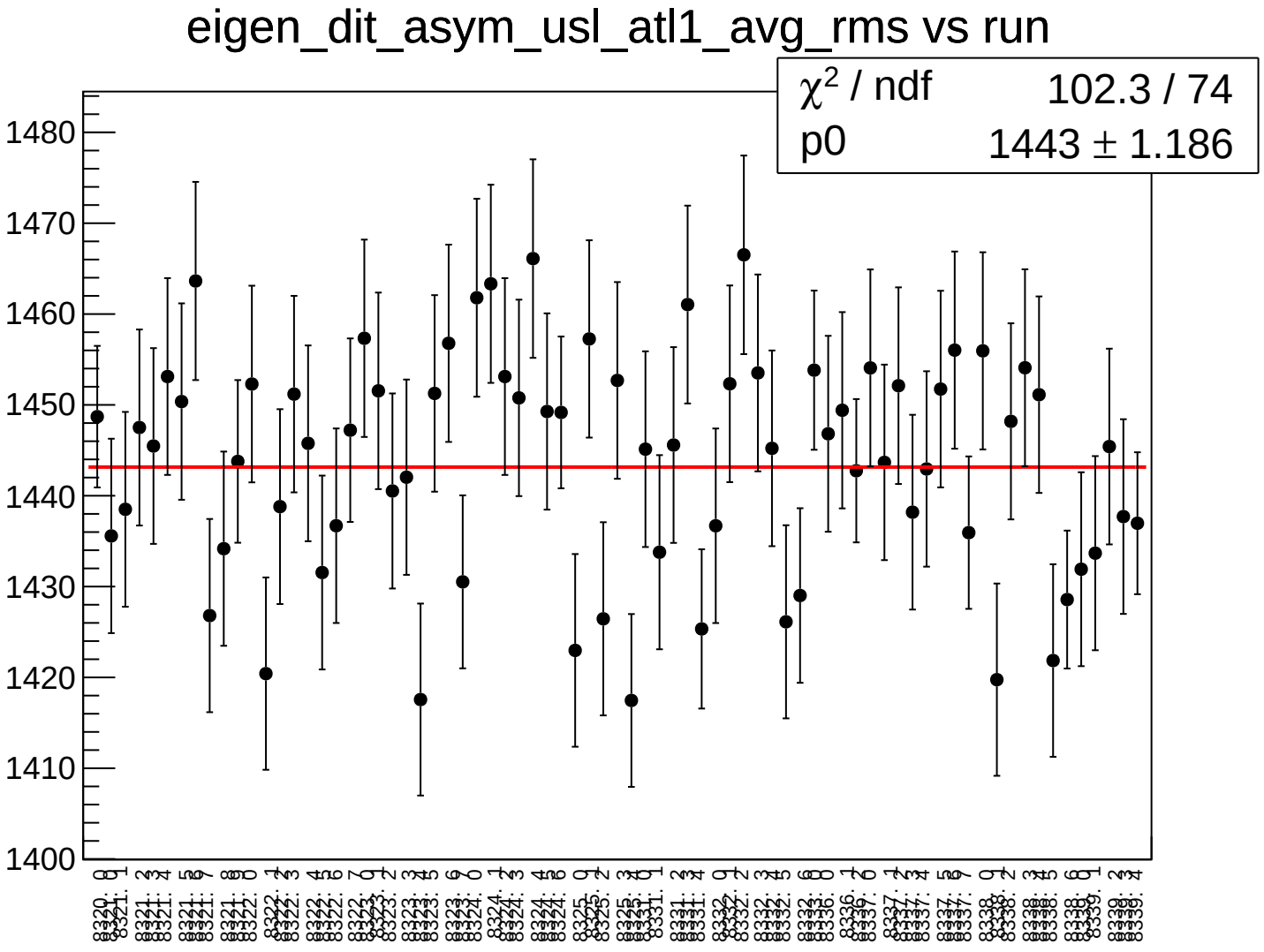

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 81.9 / 74
p0 −1686 ± 604.7
pull
Entries 75
Mean 207.4
Std Dev 0

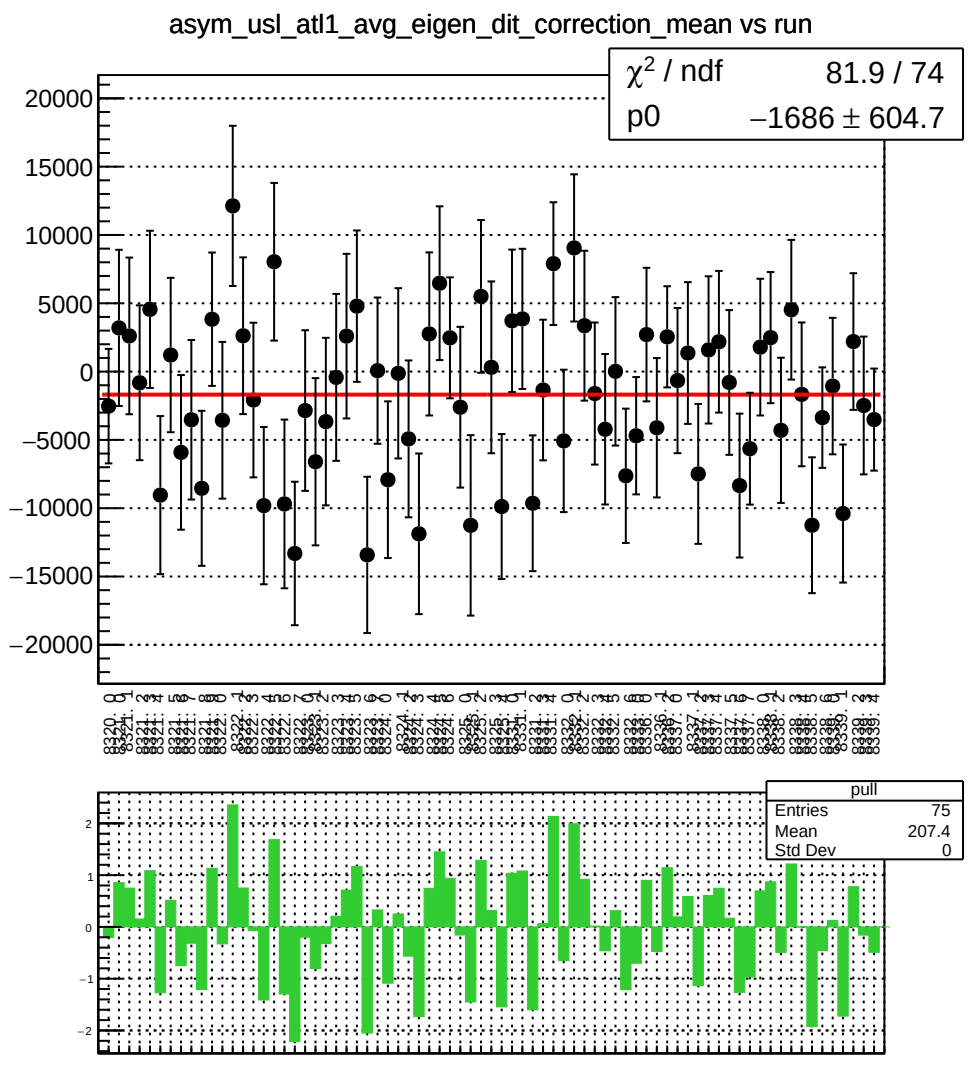

pull1D
Entries 75
Mean −0.00549
Std Dev 1.045

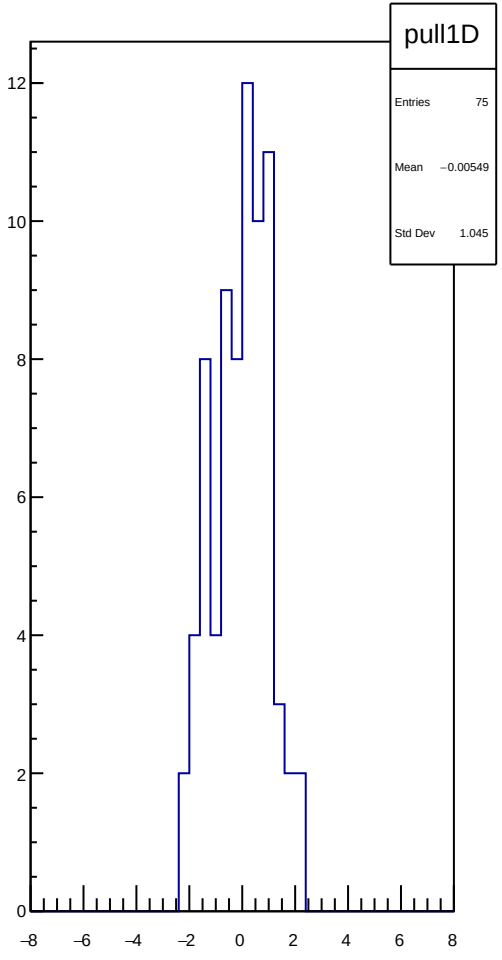

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 6906 / 74
p0 519 ± 0.4276
640
620
600
580
560
540
520
500
480
460
440

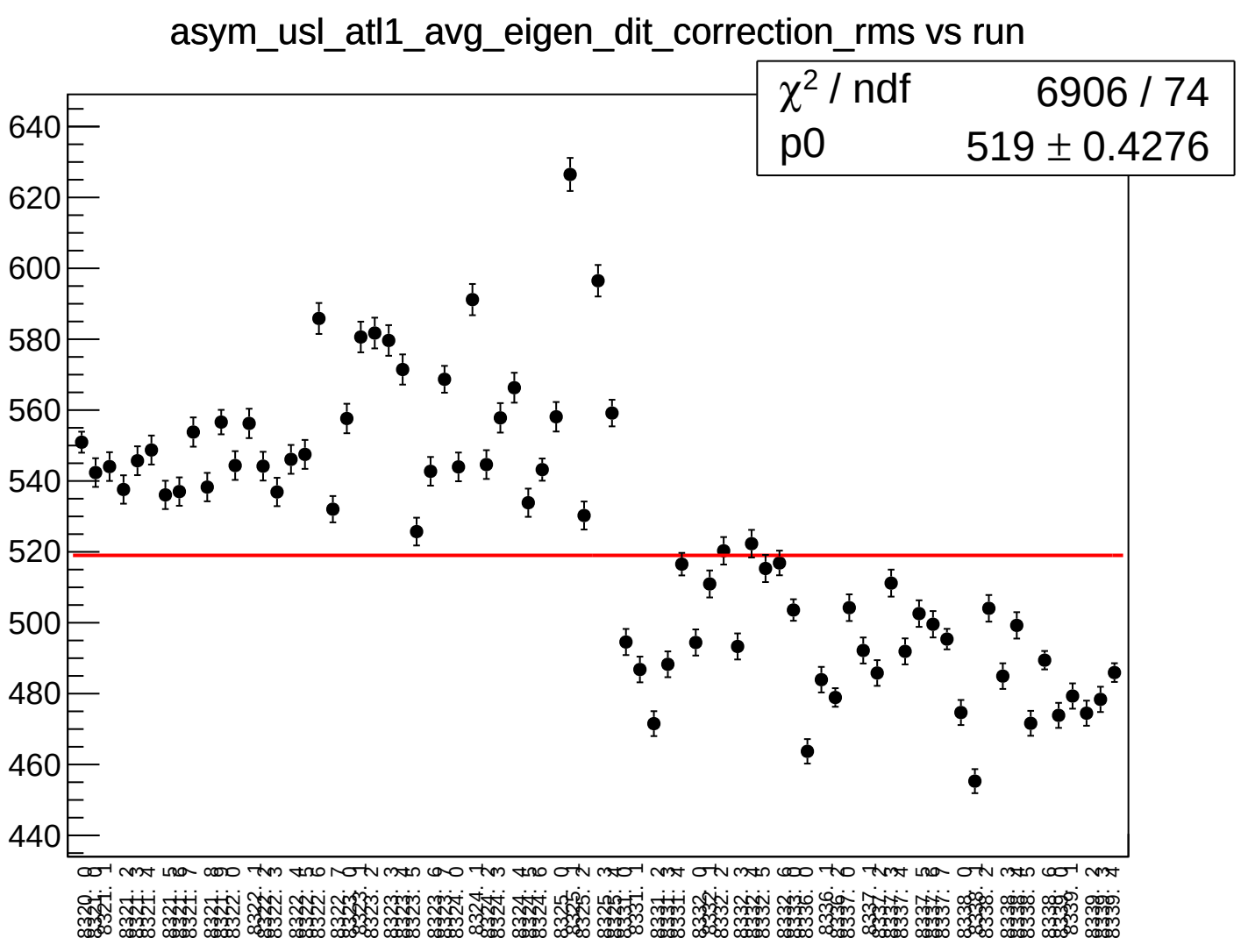

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 81.05 / 74
p0 −2764 ± 1678
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −1653
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

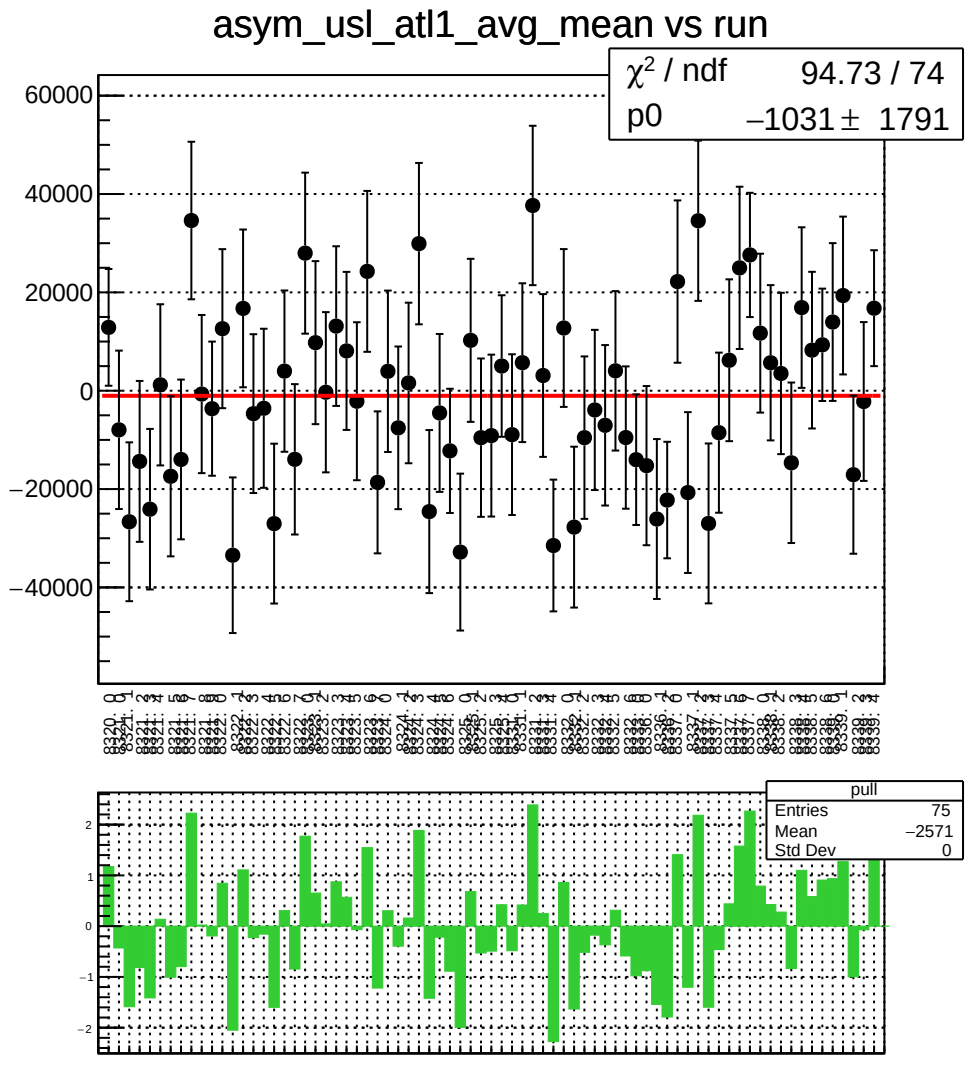

pull1D
Entries 75
Mean −0.002089
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

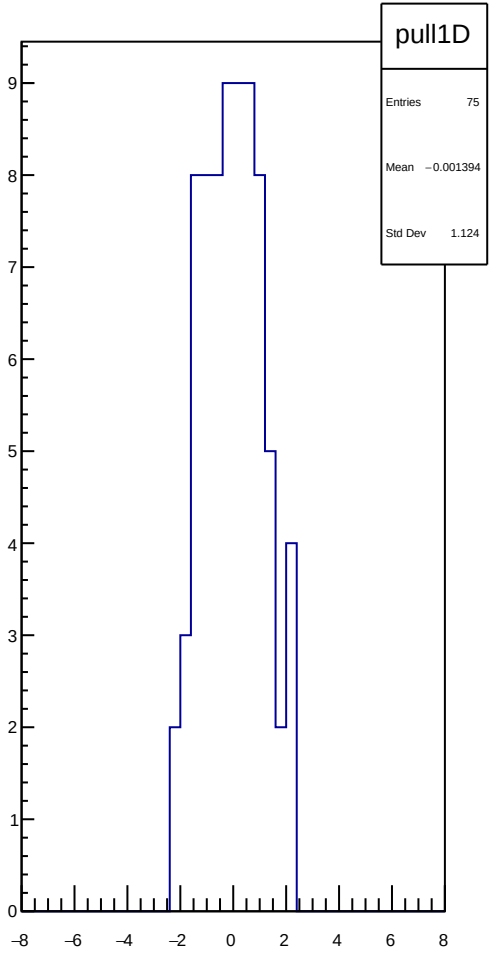

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 102.3 / 74
p0 1443 ± 1.186
1480
1470
1460
1450
1440
1430
1420
1410
1400

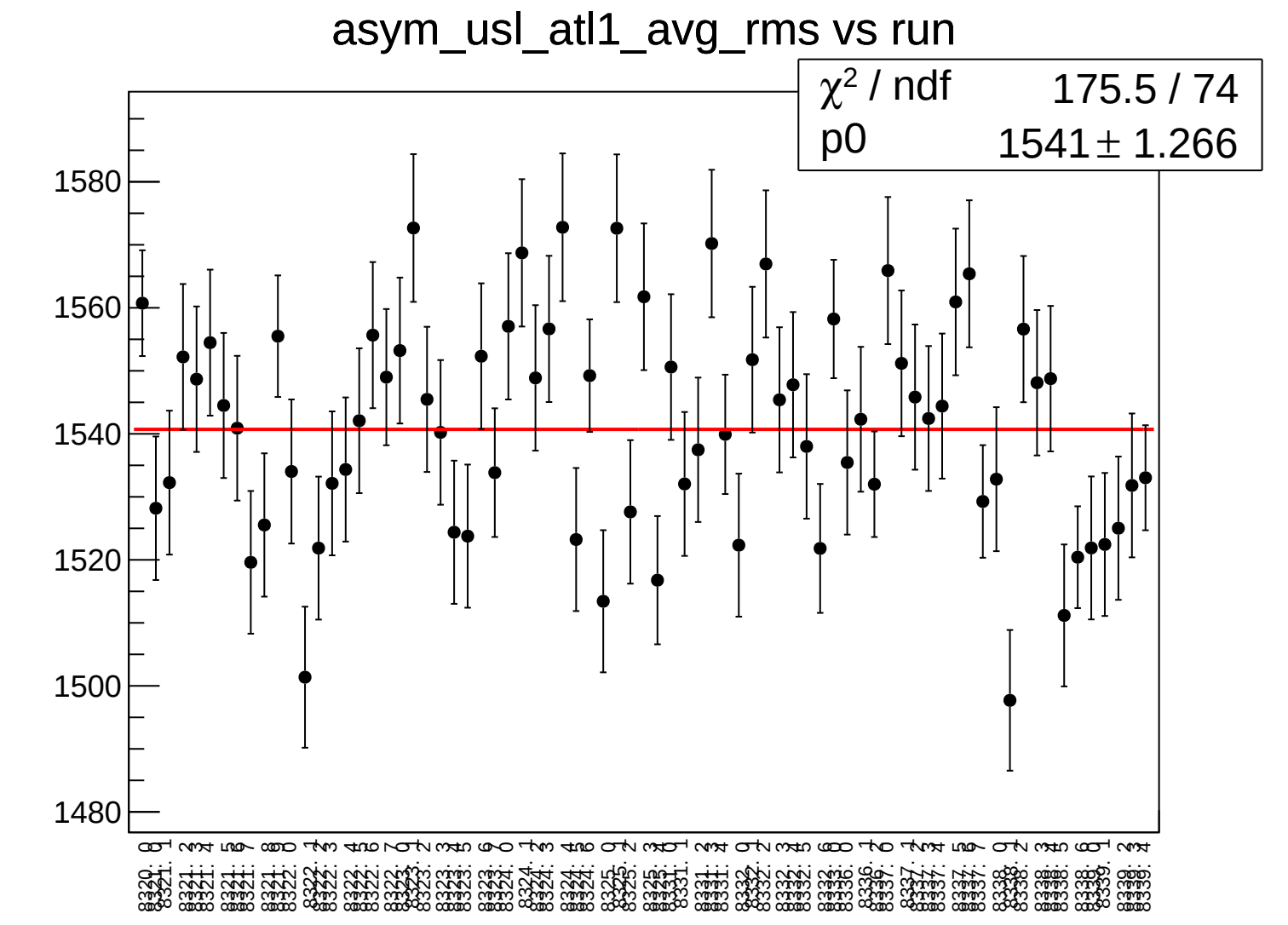

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 81.9 / 74
p0 −1686 ± 604.7
pull
Entries 75
Mean 207.4
Std Dev 0

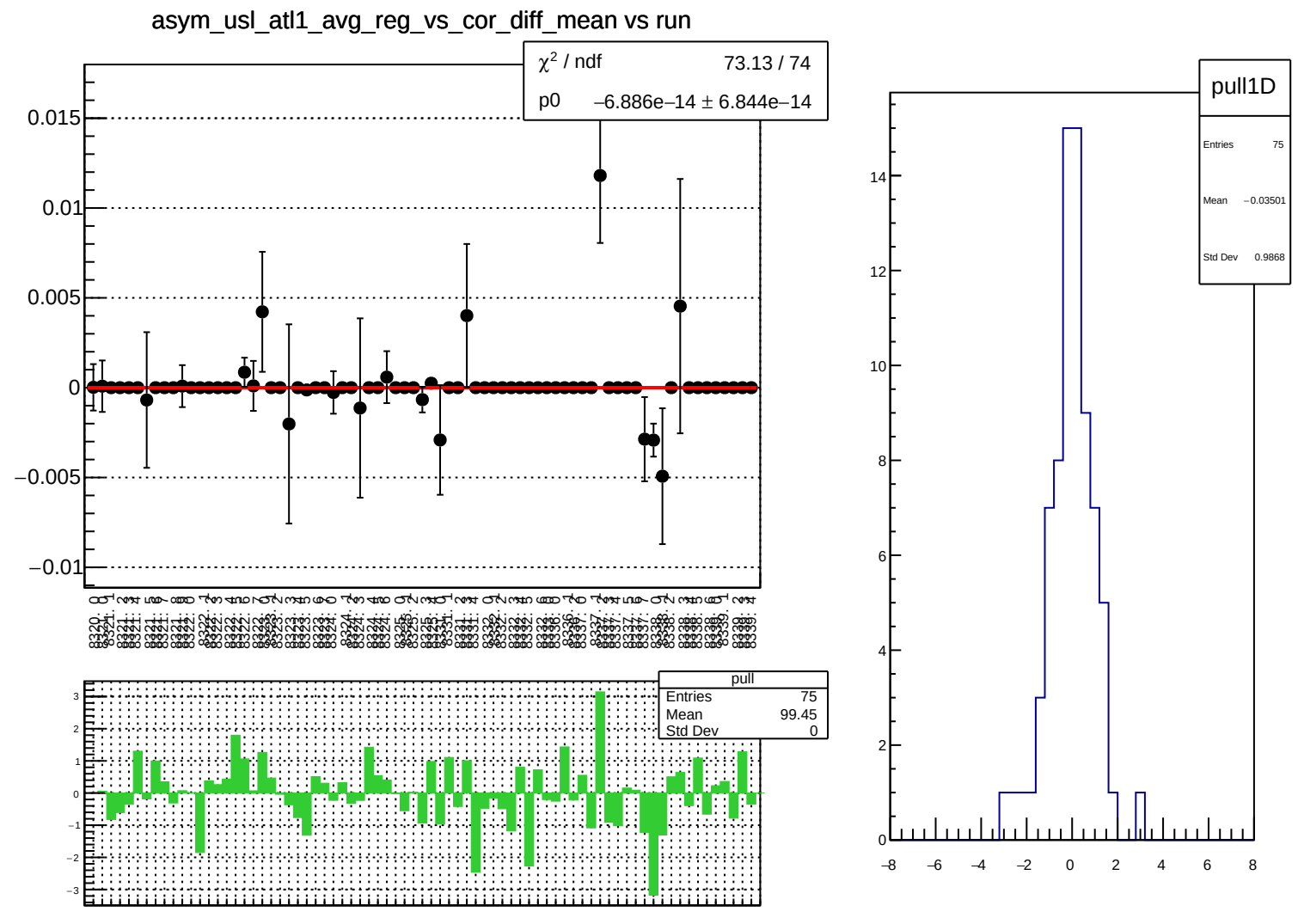

pull1D
Entries 75
Mean −0.00549
Std Dev 1.045

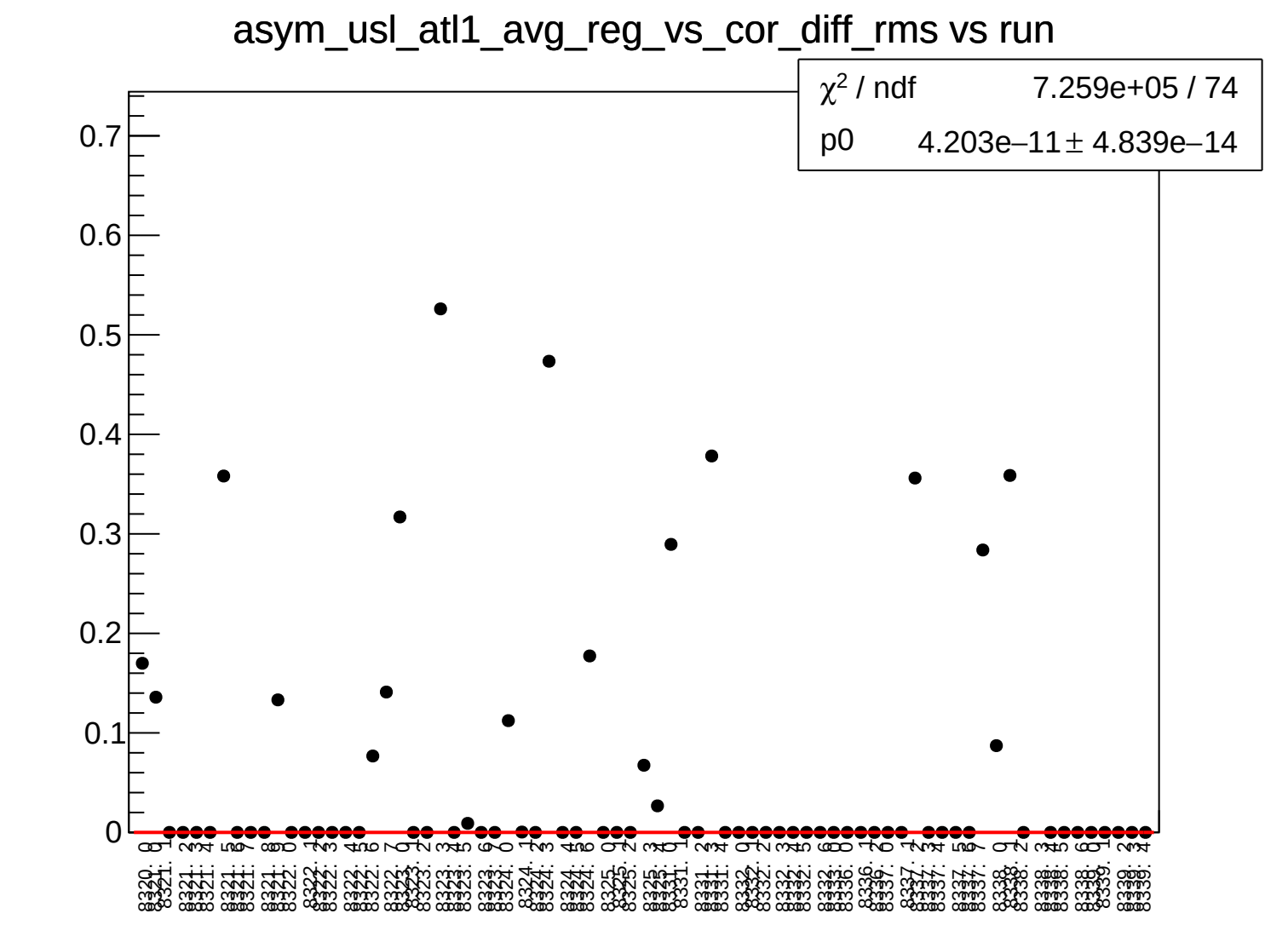

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 6906 / 74
p0 519 ± 0.4276
640
620
600
580
560
540
520
500
480
460
440

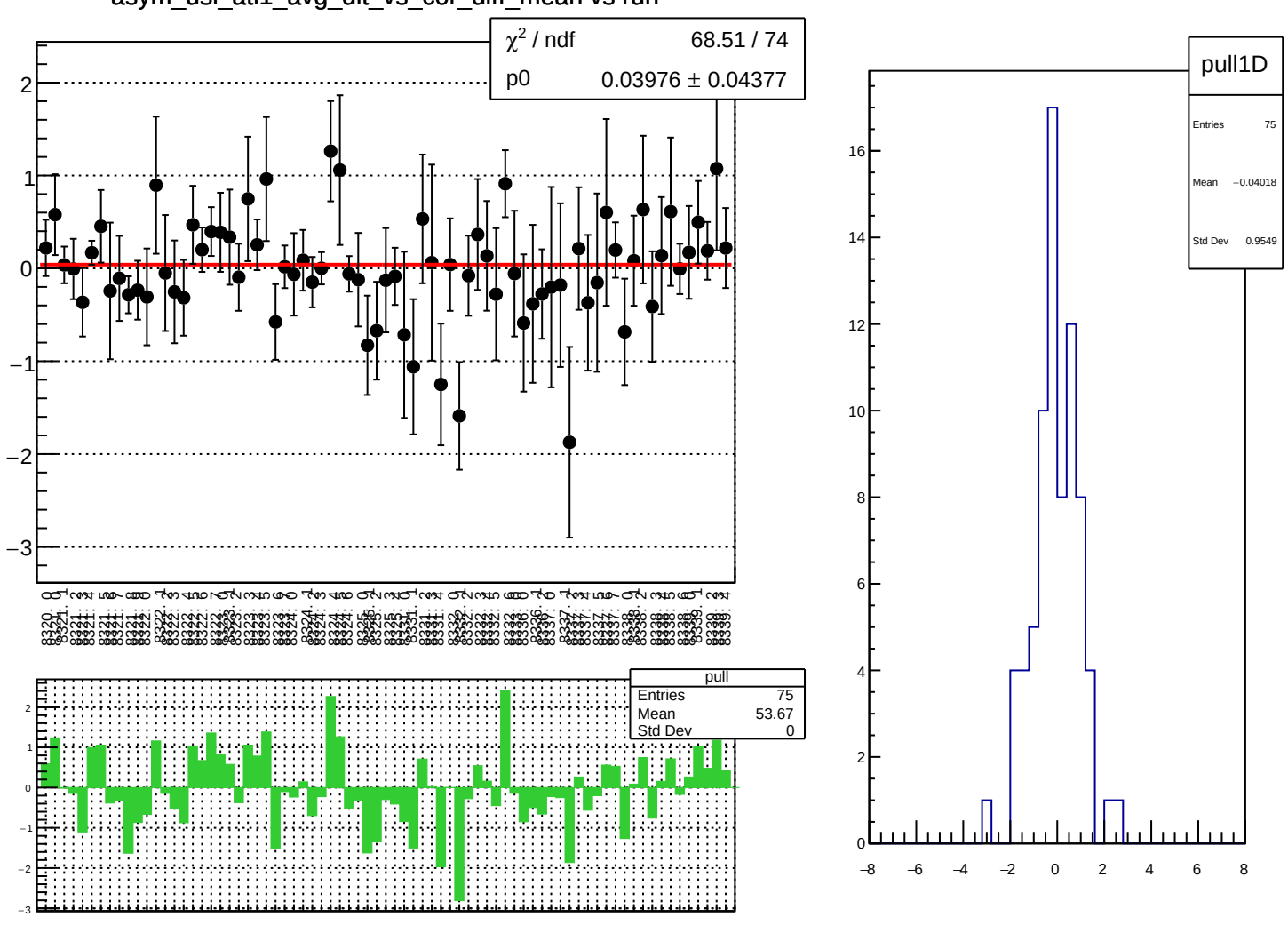

asym_usl_atl1_avg_mean vs run
χ² / ndf 94.73 / 74
p0 −1031 ± 1791
60000
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −2571
Std Dev 0
2
1
0
−1
−2

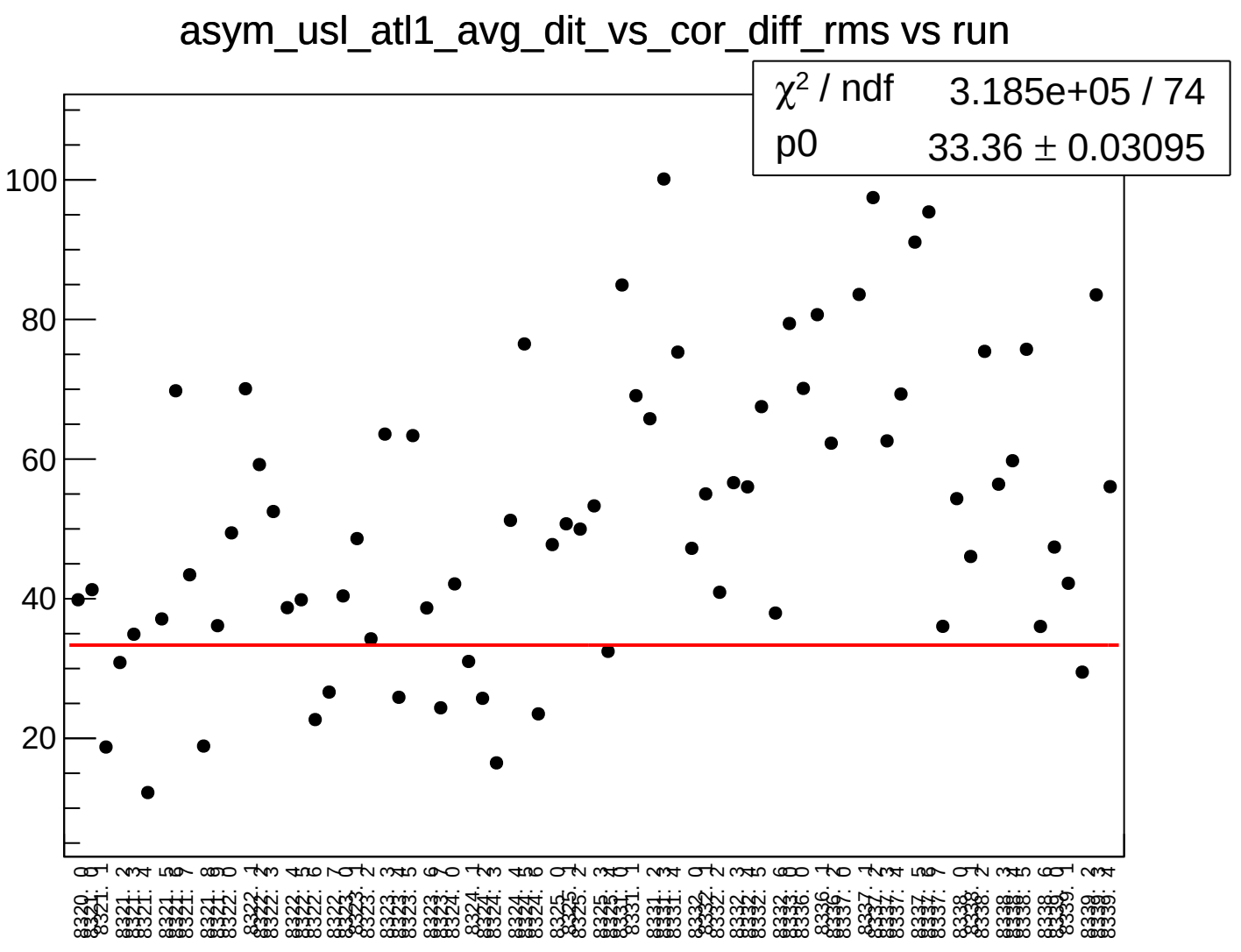

pull1D
Entries 75
Mean −0.001394
Std Dev 1.124
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

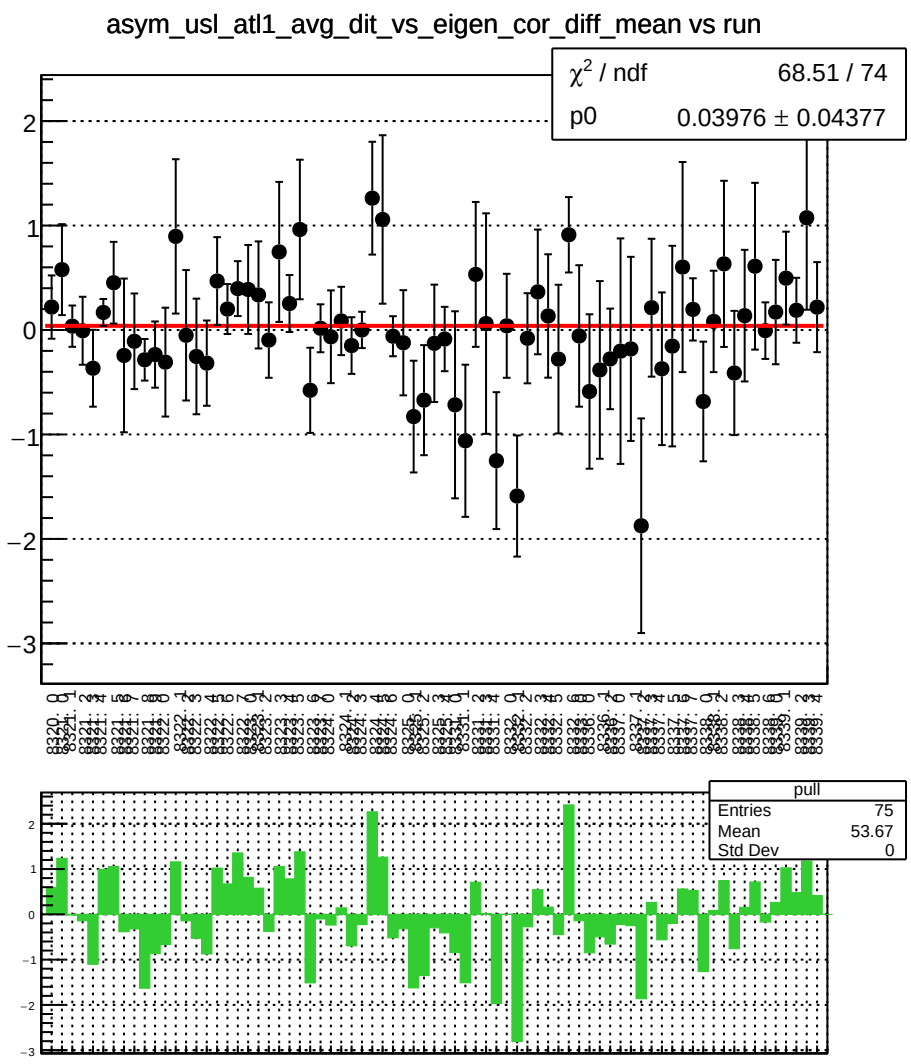

asym_usl_atl1_avg_rms vs run
χ² / ndf 175.5 / 74
p0 1541 ± 1.266
1580
1560
1540
1520
1500
1480

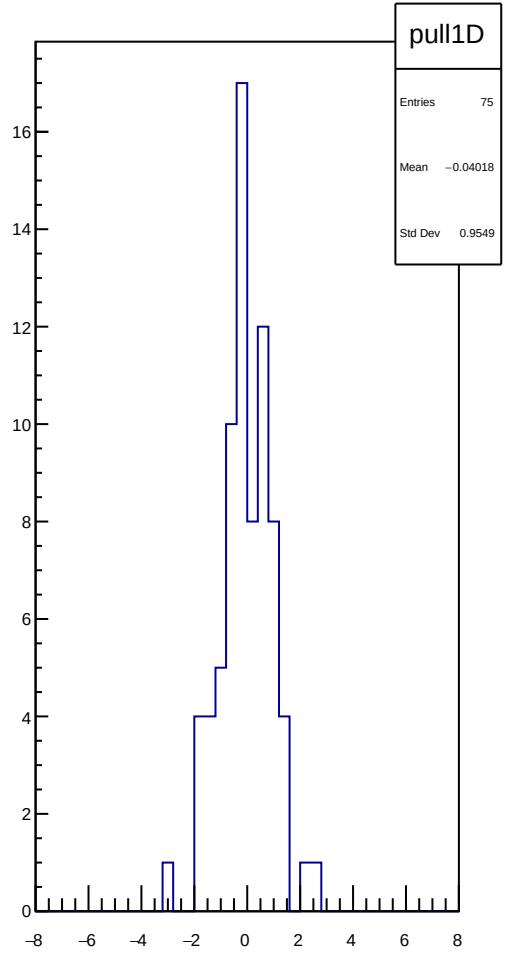

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 73.13 / 74
p0 −6.886e−14 ± 6.844e−14
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 75
Mean 99.45
Std Dev 0
pull1D
Entries 75
Mean −0.03501
Std Dev 0.9868

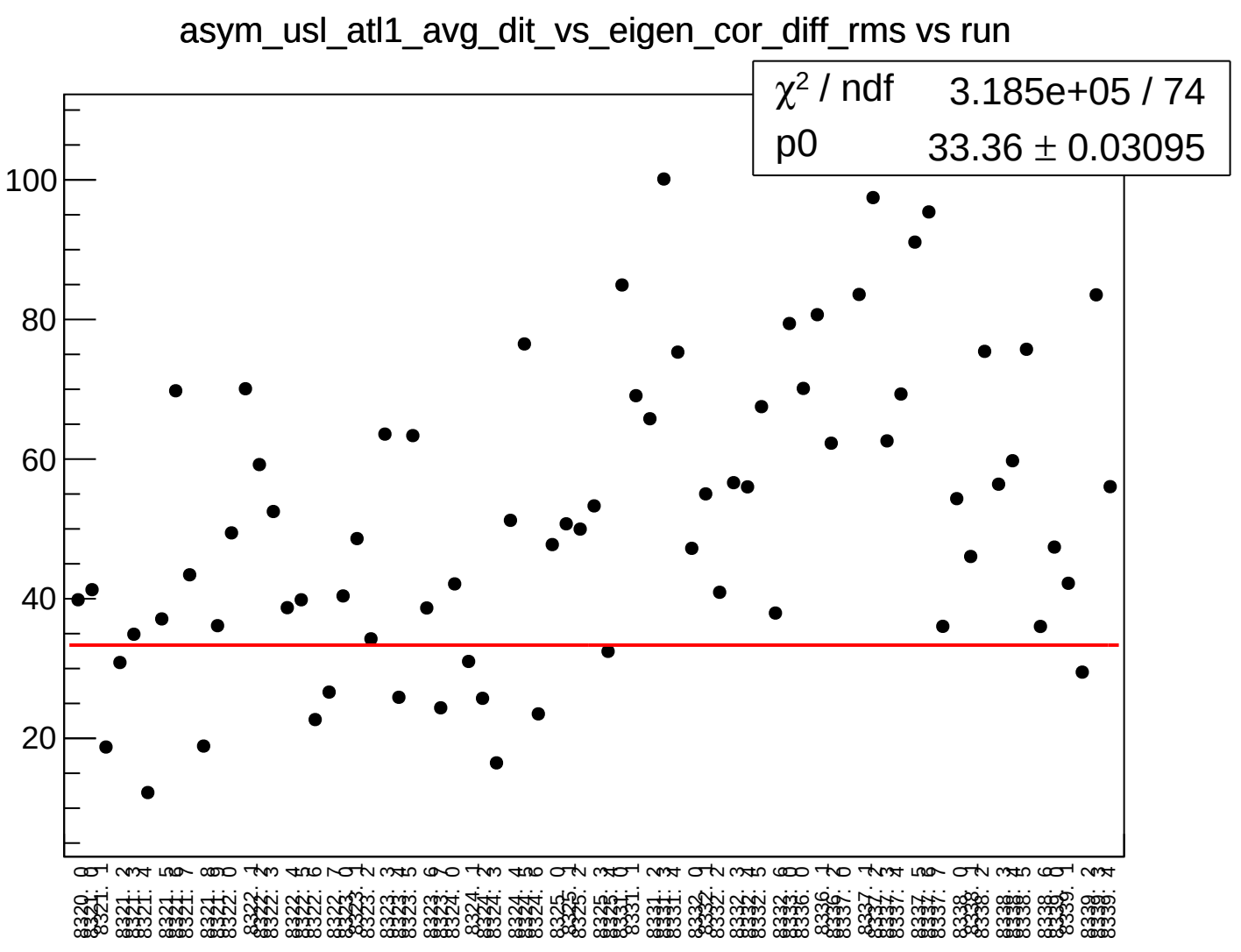

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.259e+05 / 74
p0 4.203e−11 ± 4.839e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

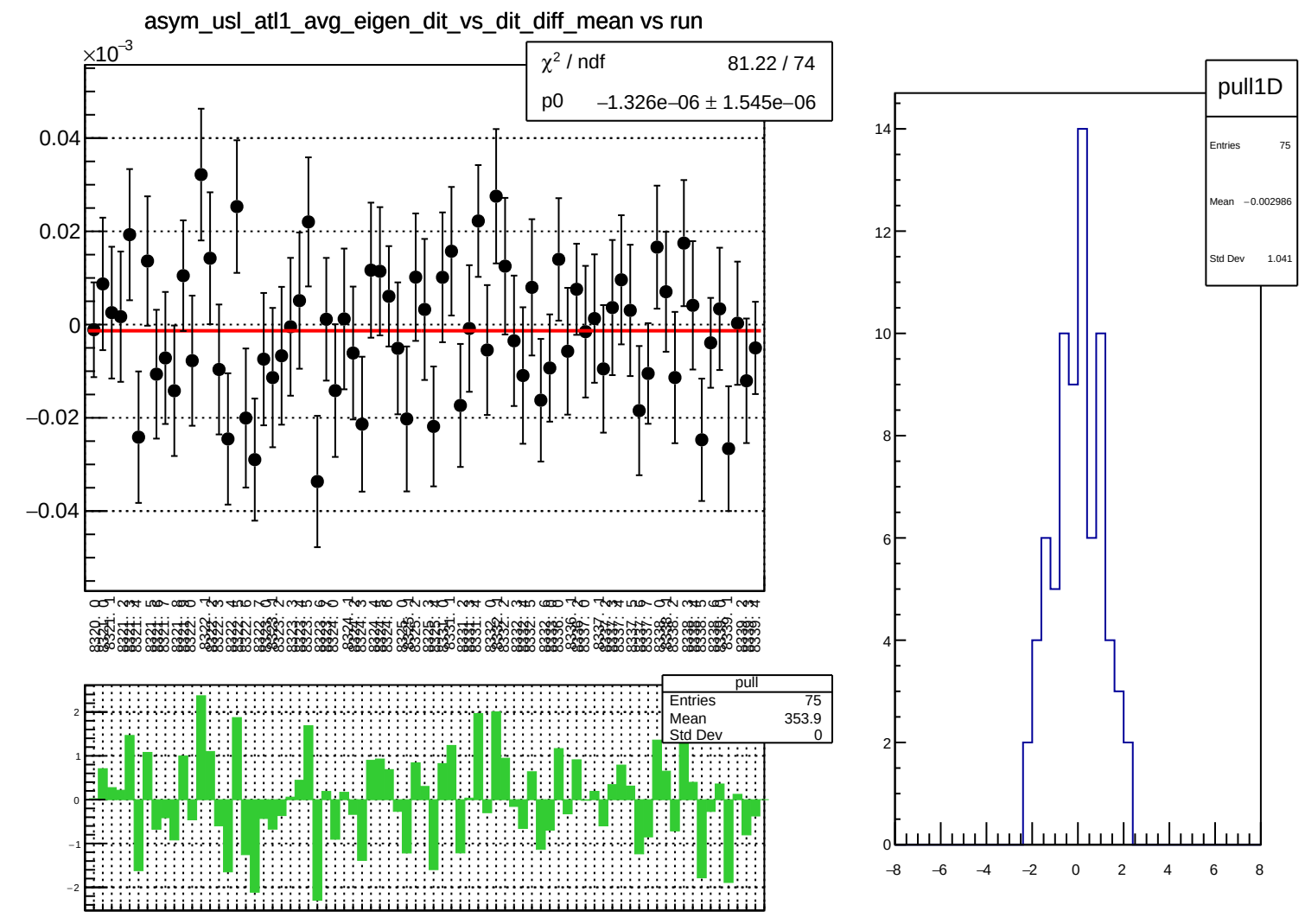

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 68.51 / 74
p0 0.03976 ± 0.04377
pull
Entries 75
Mean 53.67
Std Dev 0
pull1D
Entries 75
Mean −0.04018
Std Dev 0.9549

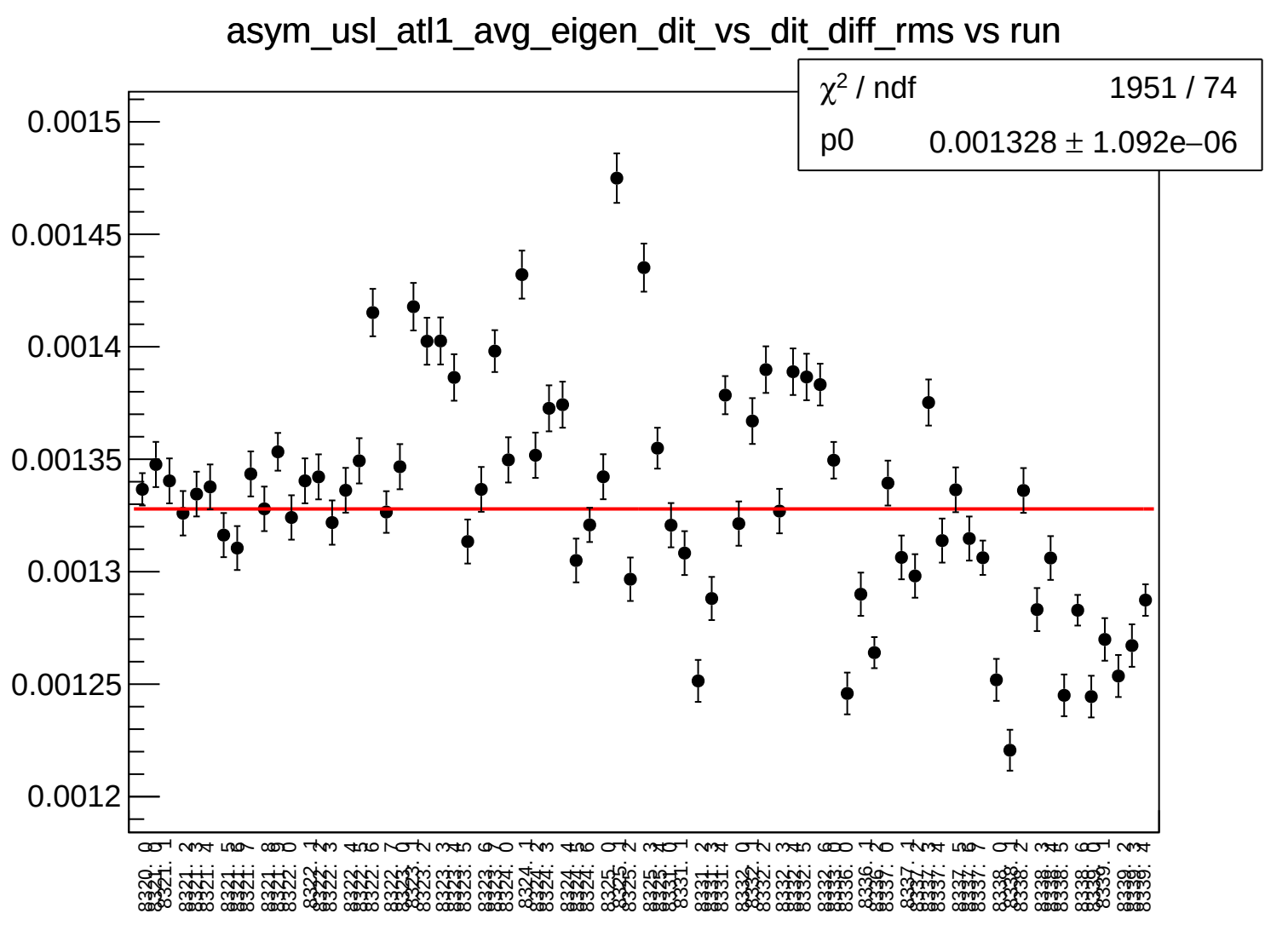

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.185e+05 / 74
p0 33.36 ± 0.03095
100
80
60
40
20

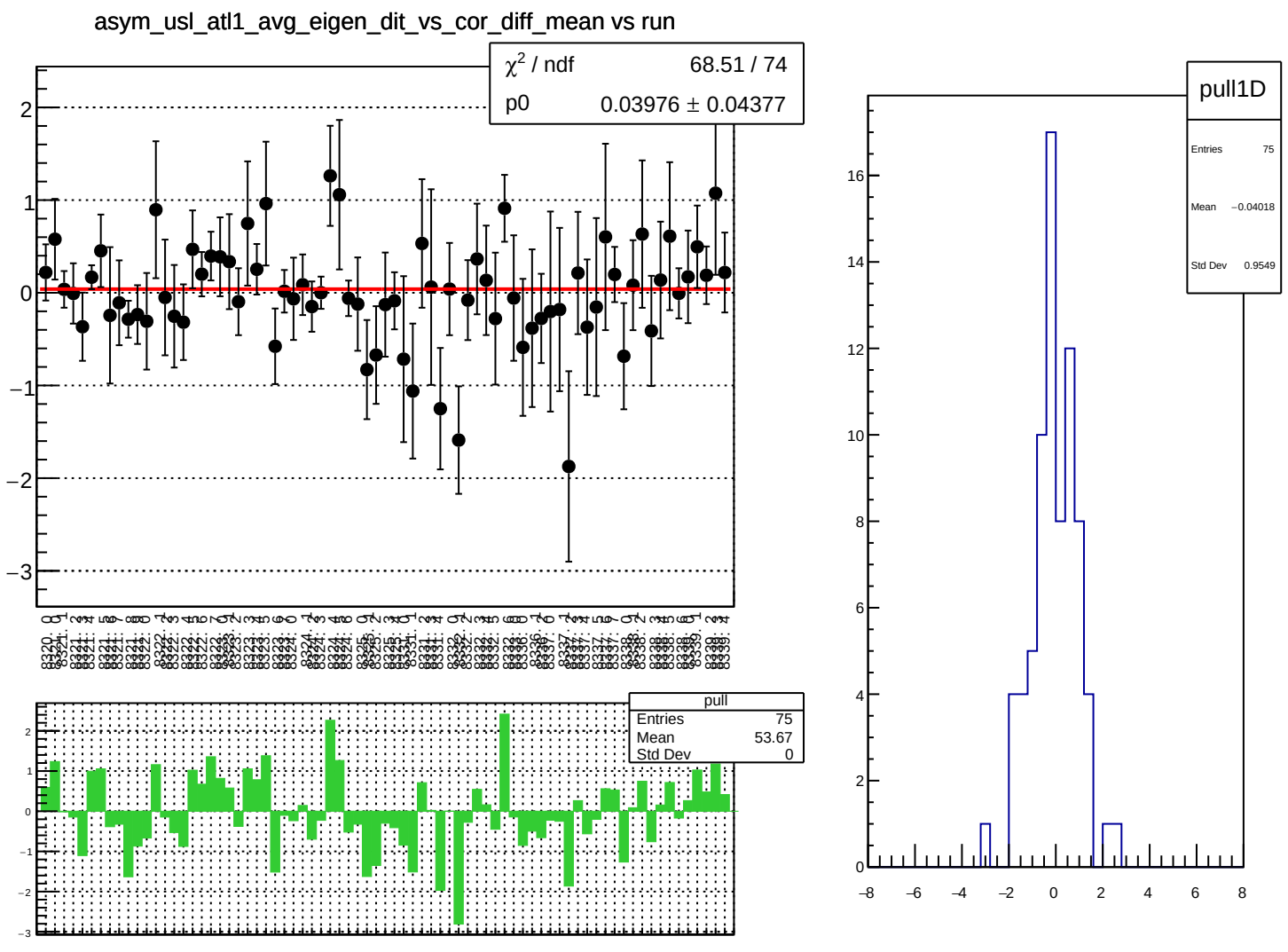

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.51 / 74
p0 0.03976 ± 0.04377
pull
Entries 75
Mean 53.67
Std Dev 0

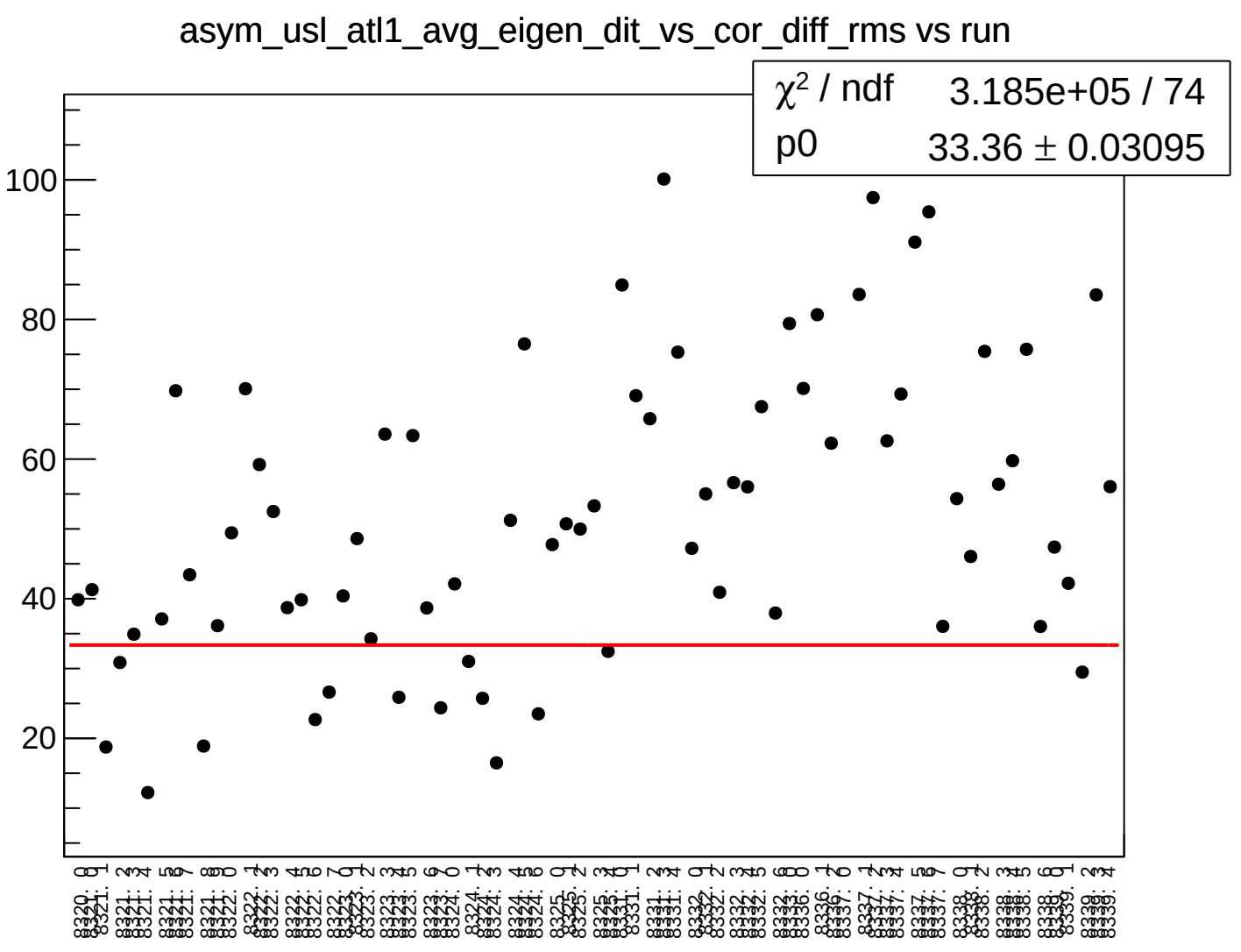

pull1D
Entries 75
Mean −0.04018
Std Dev 0.9549

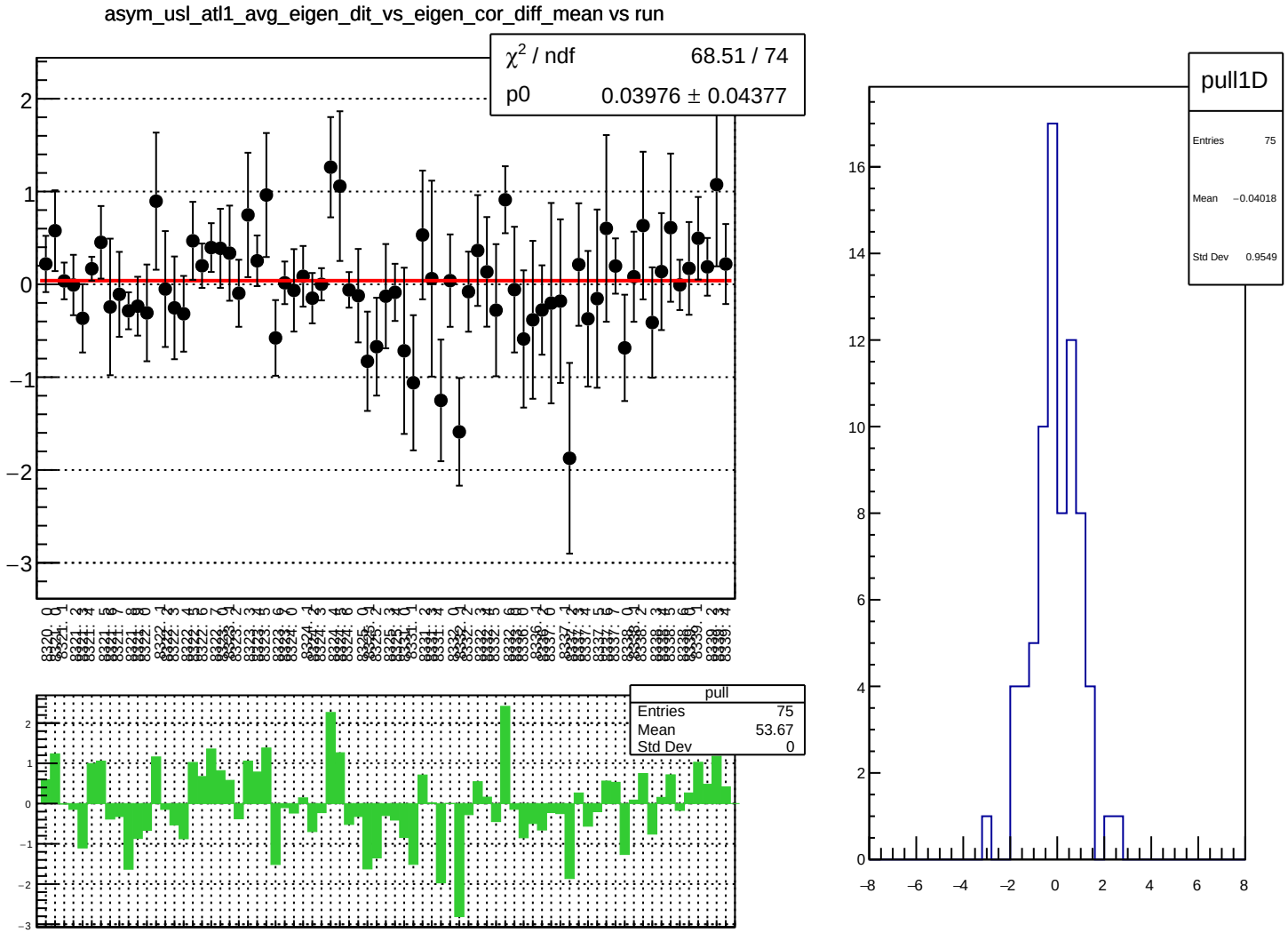

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.185e+05 / 74
p0 33.36 ± 0.03095
100
80
60
40
20

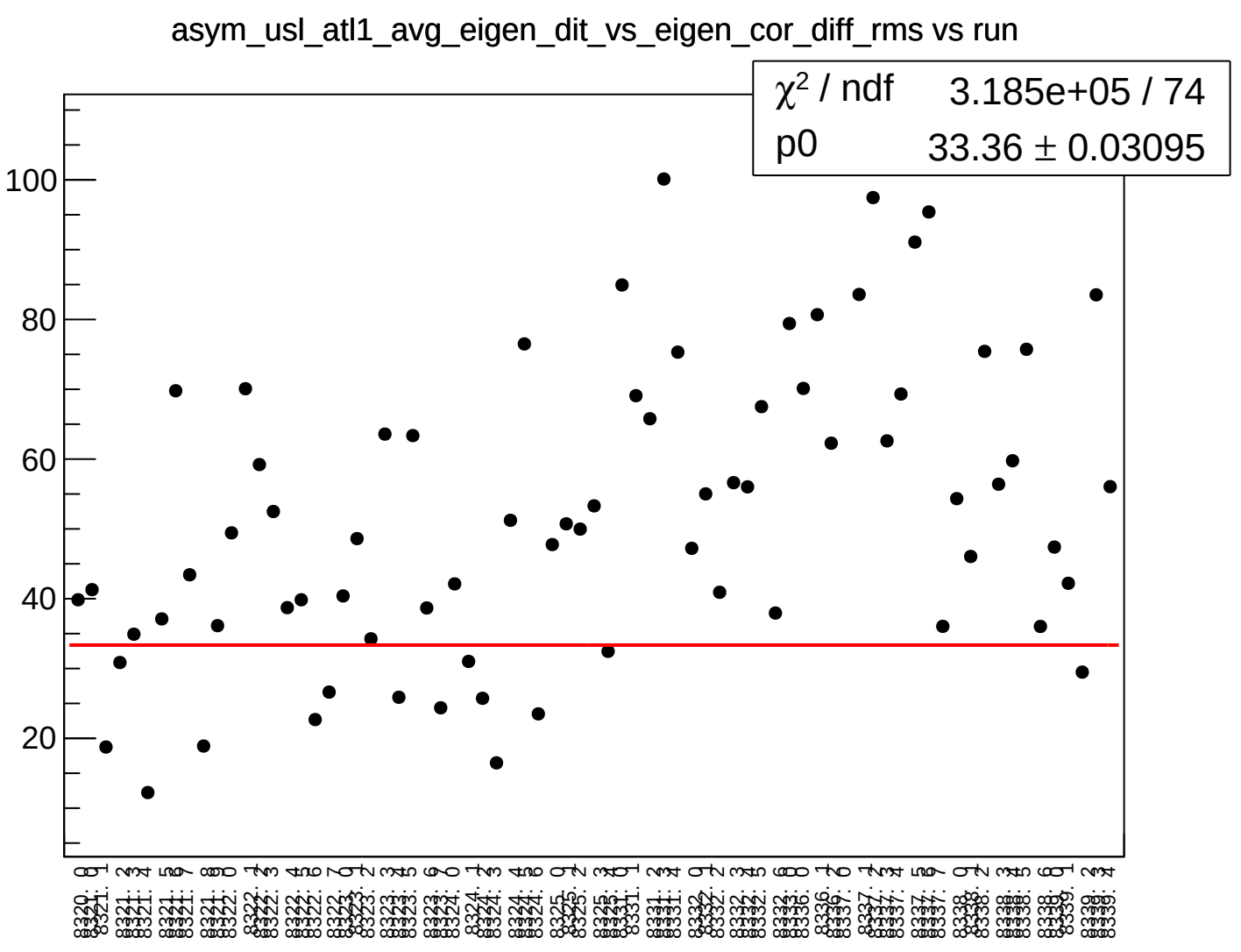

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.22 / 74
p0 −1.326e−06 ± 1.545e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 75
Mean 353.9
Std Dev 0
pull1D
Entries 75
Mean −0.002986
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

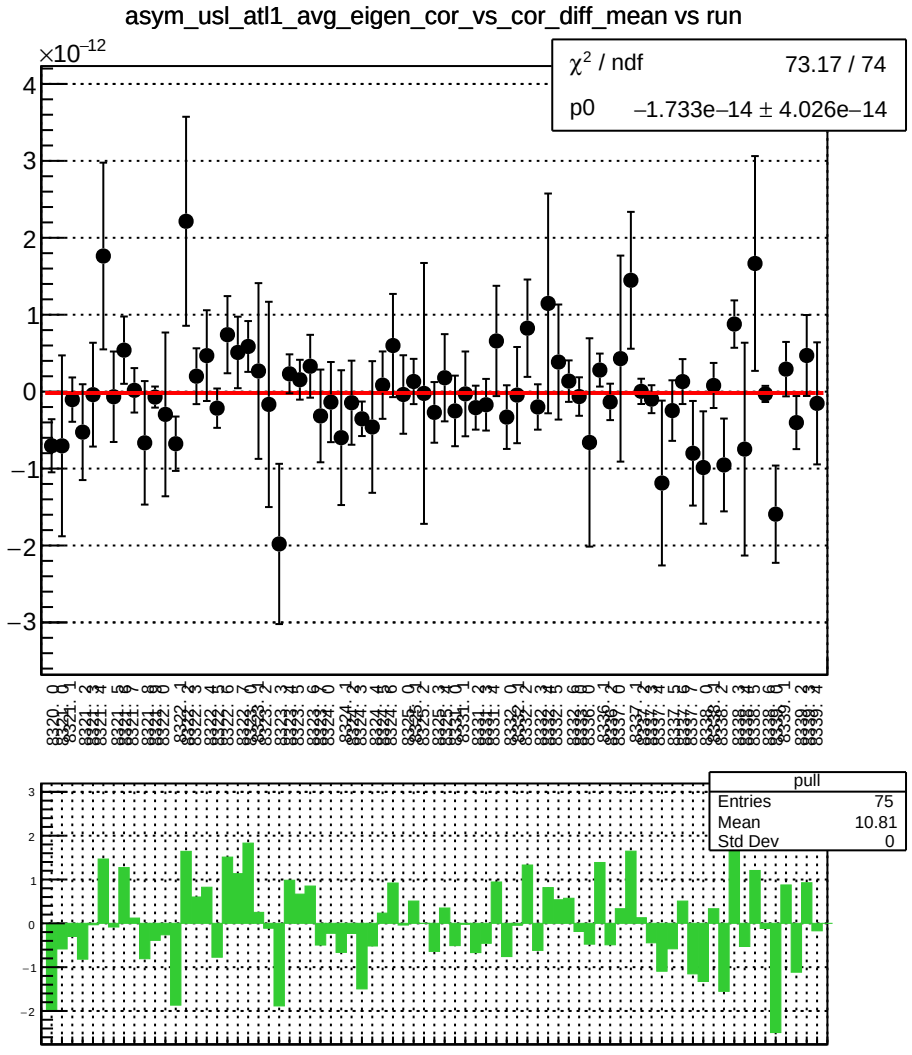

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1951 / 74
p0 0.001328 ± 1.092e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012

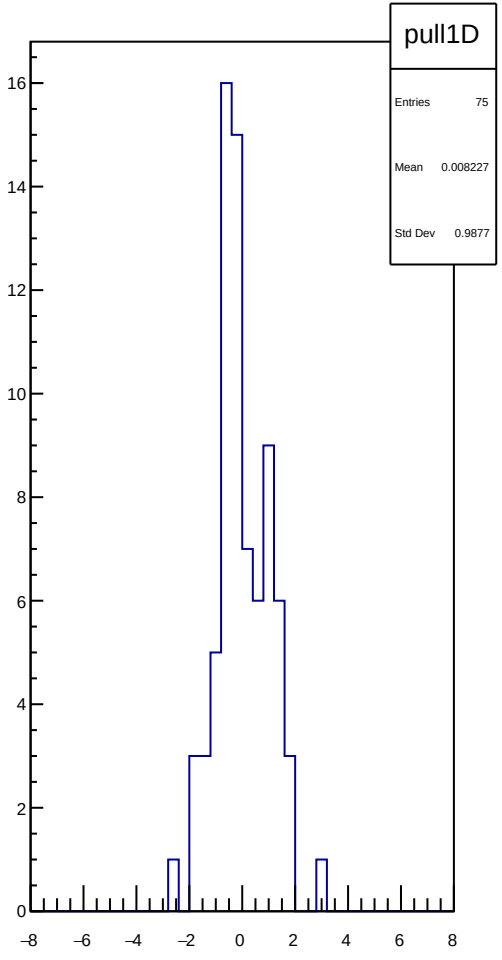

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.51 / 74
p0 0.03976 ± 0.04377
pull
Entries 75
Mean 53.67
Std Dev 0
pull1D
Entries 75
Mean −0.04018
Std Dev 0.9549

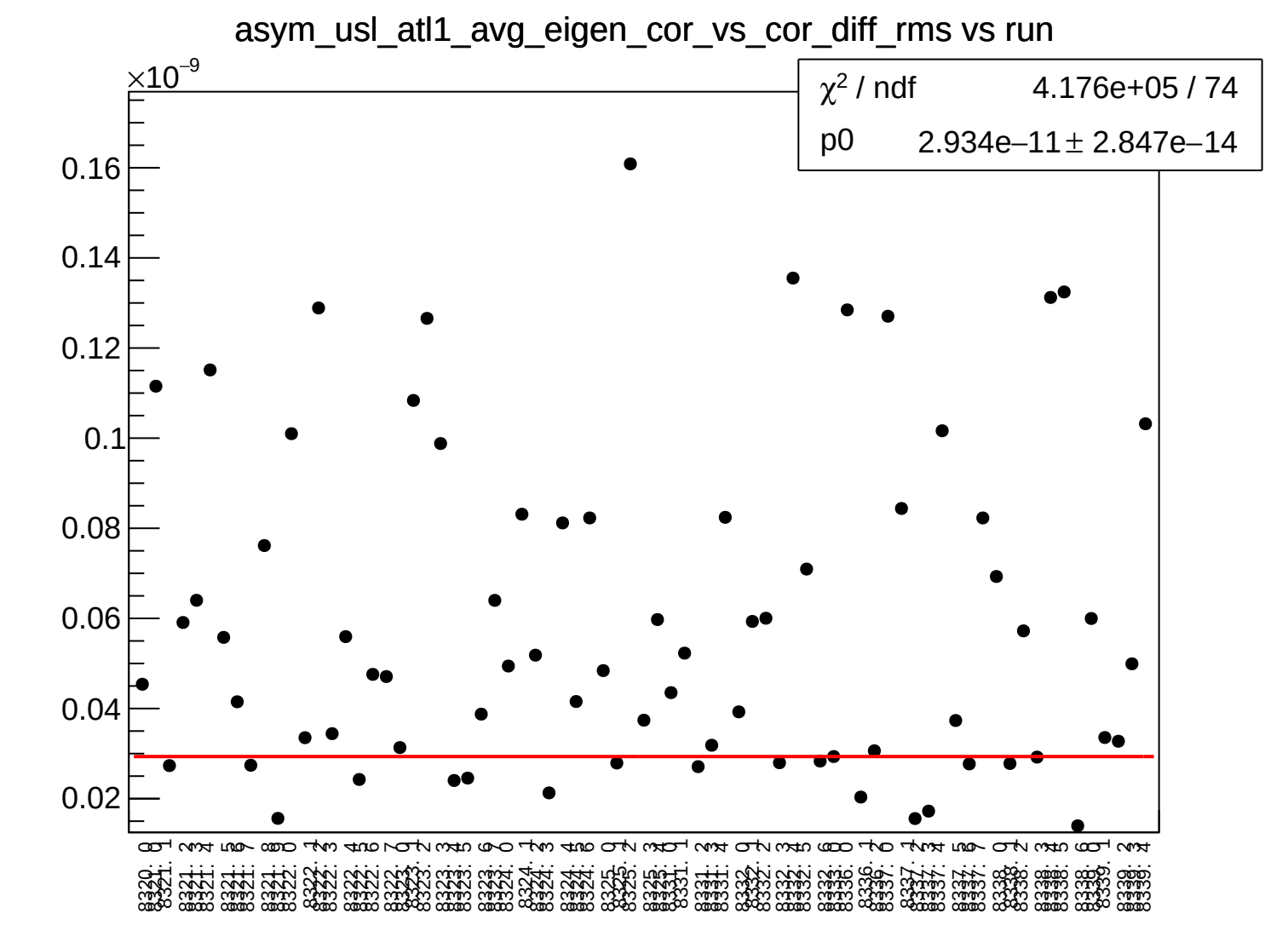

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.185e+05 / 74
p0 33.36 ± 0.03095
100
80
60
40
20

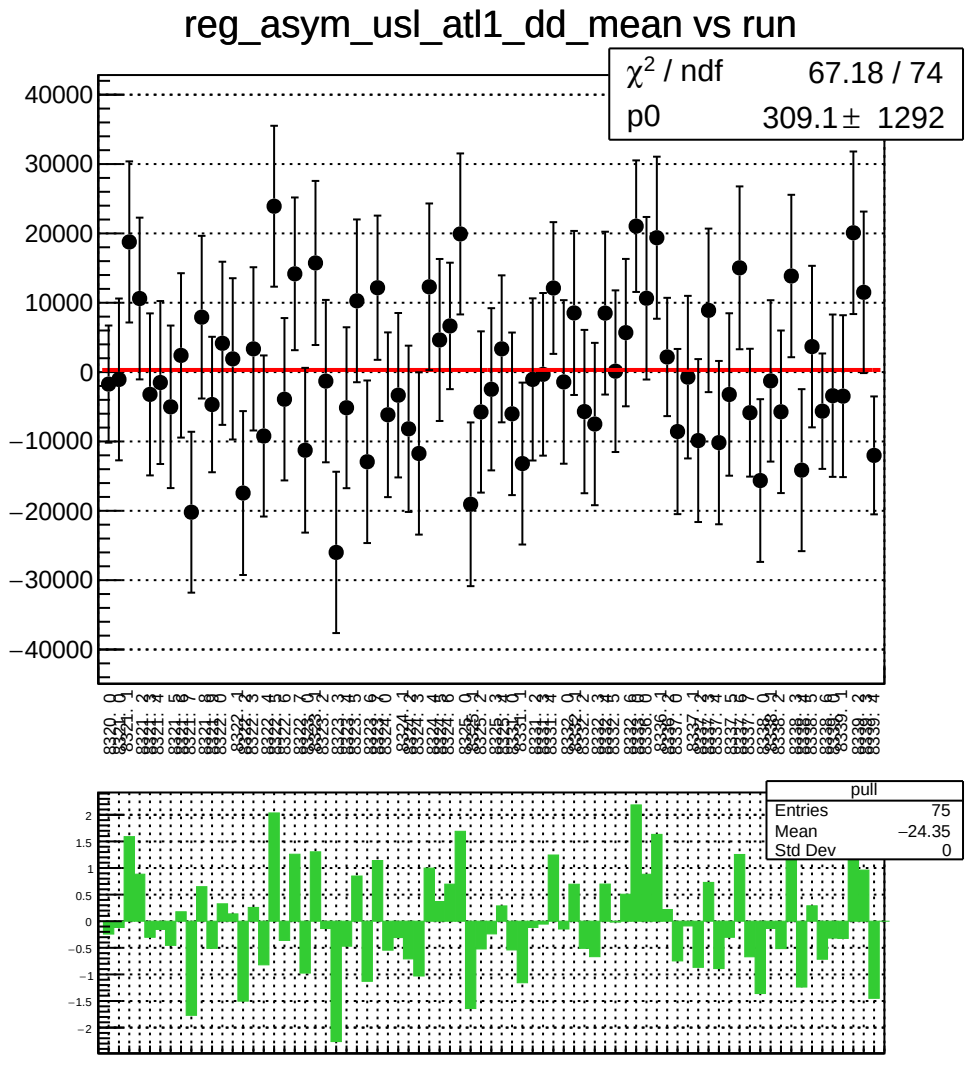

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.51 / 74
p0 0.03976 ± 0.04377
pull
Entries 75
Mean 53.67
Std Dev 0
pull1D
Entries 75
Mean −0.04018
Std Dev 0.9549

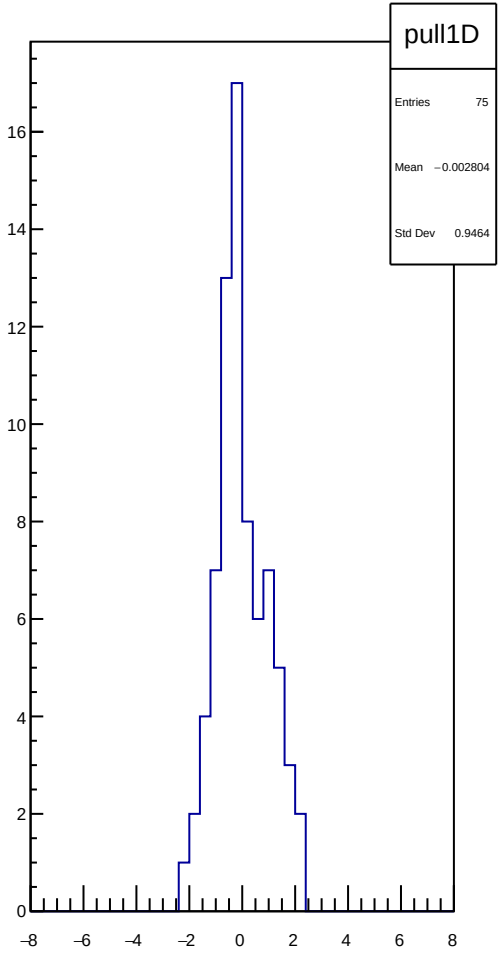

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.185e+05 / 74
p0 33.36 ± 0.03095
100
80
60
40
20

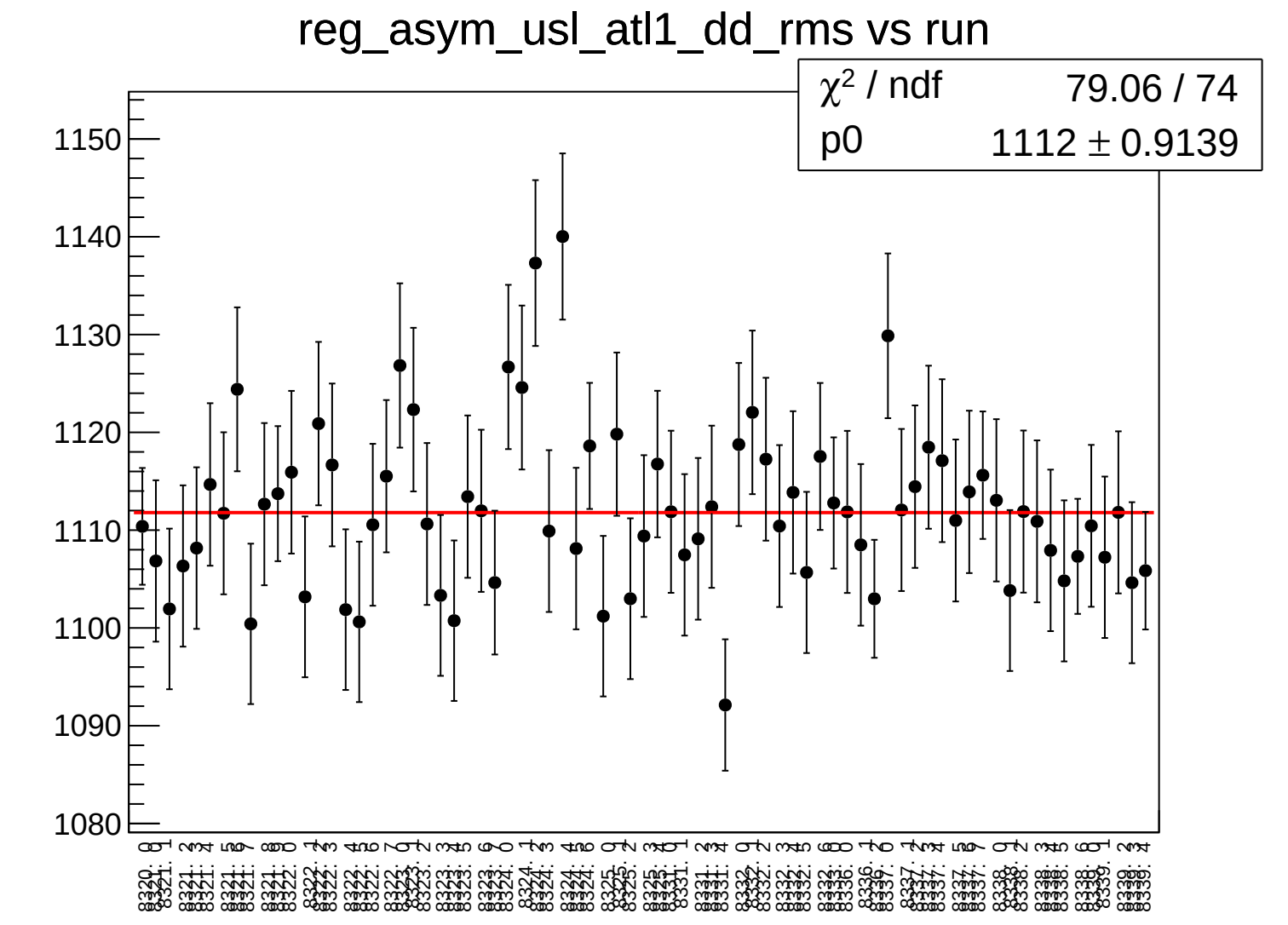

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.17 / 74
p0 −1.733e−14 ± 4.026e−14
pull
Entries 75
Mean 10.81
Std Dev 0

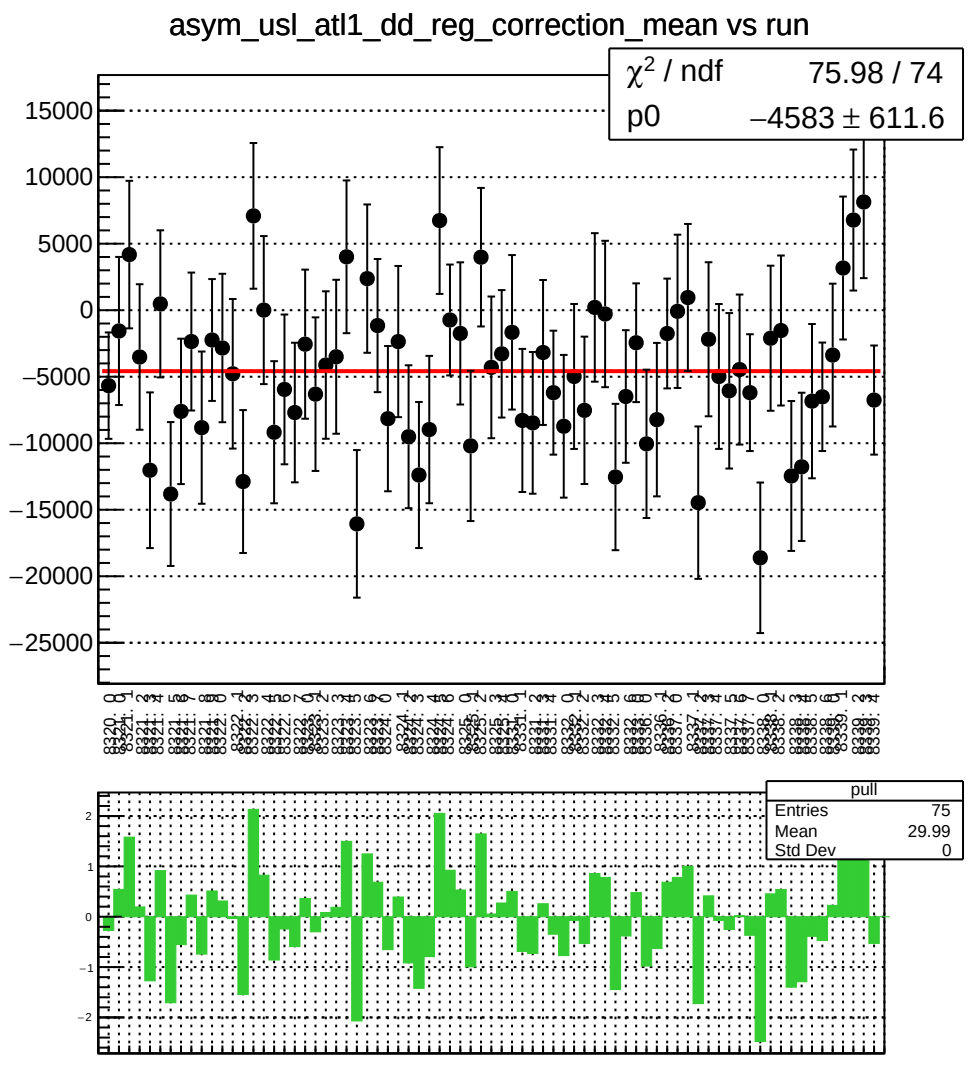

pull1D
Entries 75
Mean 0.008227
Std Dev 0.9877

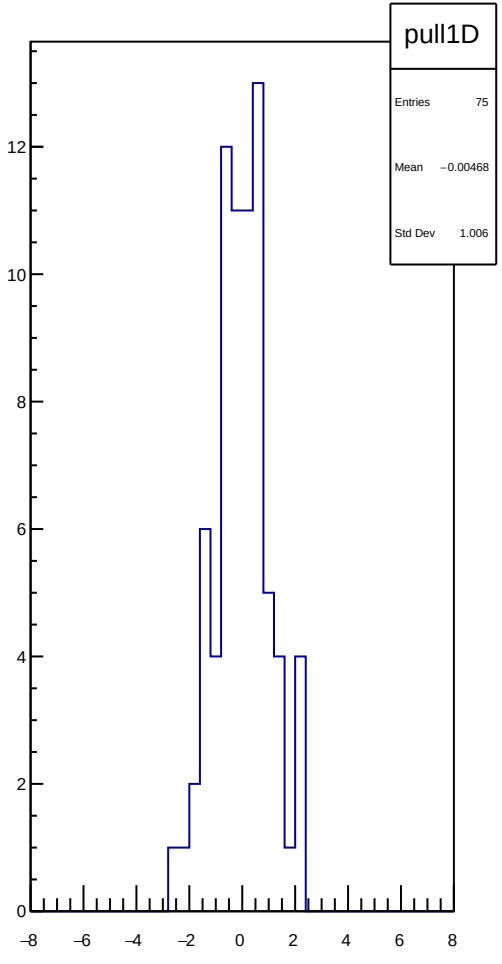

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.176e+05 / 74
p0 2.934e−11 ± 2.847e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

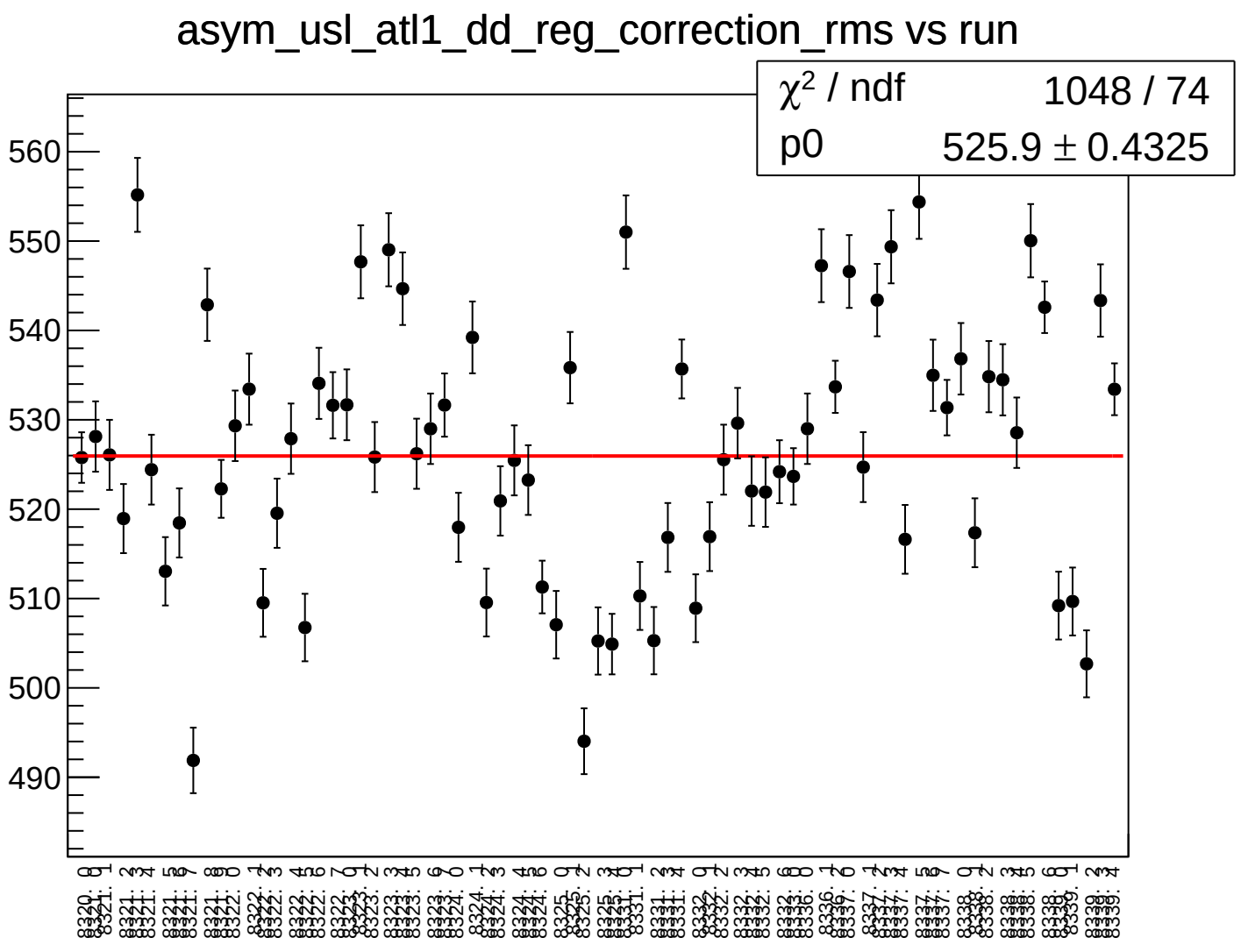

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 67.18 / 74
p0 309.1 ± 1292
pull
Entries 75
Mean −24.35
Std Dev 0

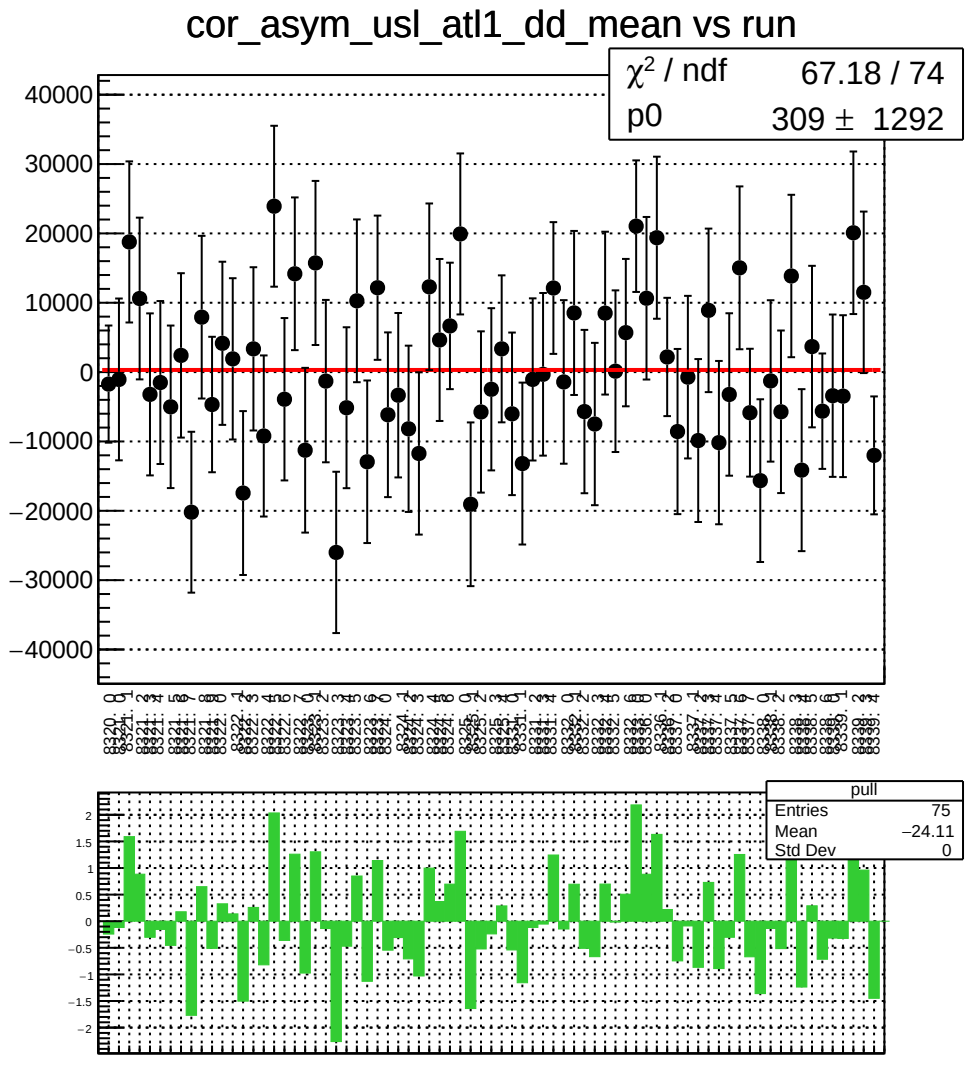

pull1D
Entries 75
Mean −0.002804
Std Dev 0.9464

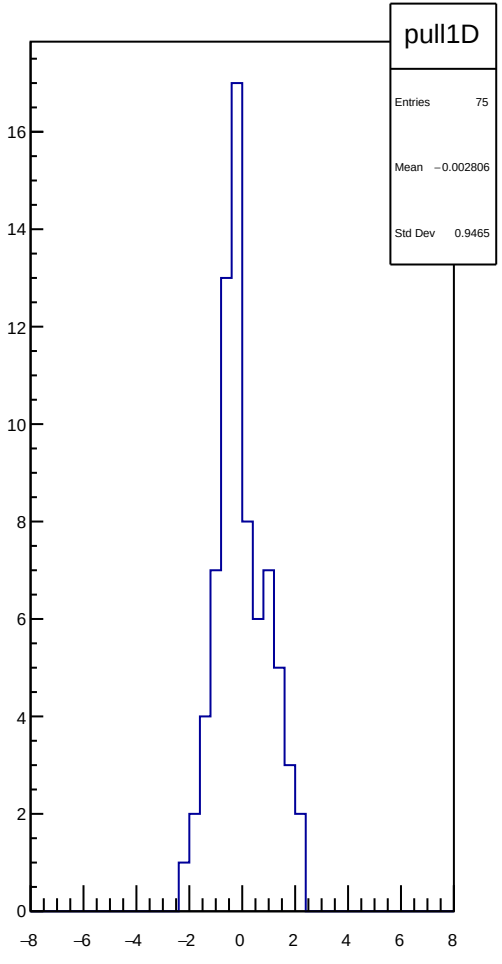

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 79.06 / 74
p0 1112 ± 0.9139
1150
1140
1130
1120
1110
1100
1090
1080

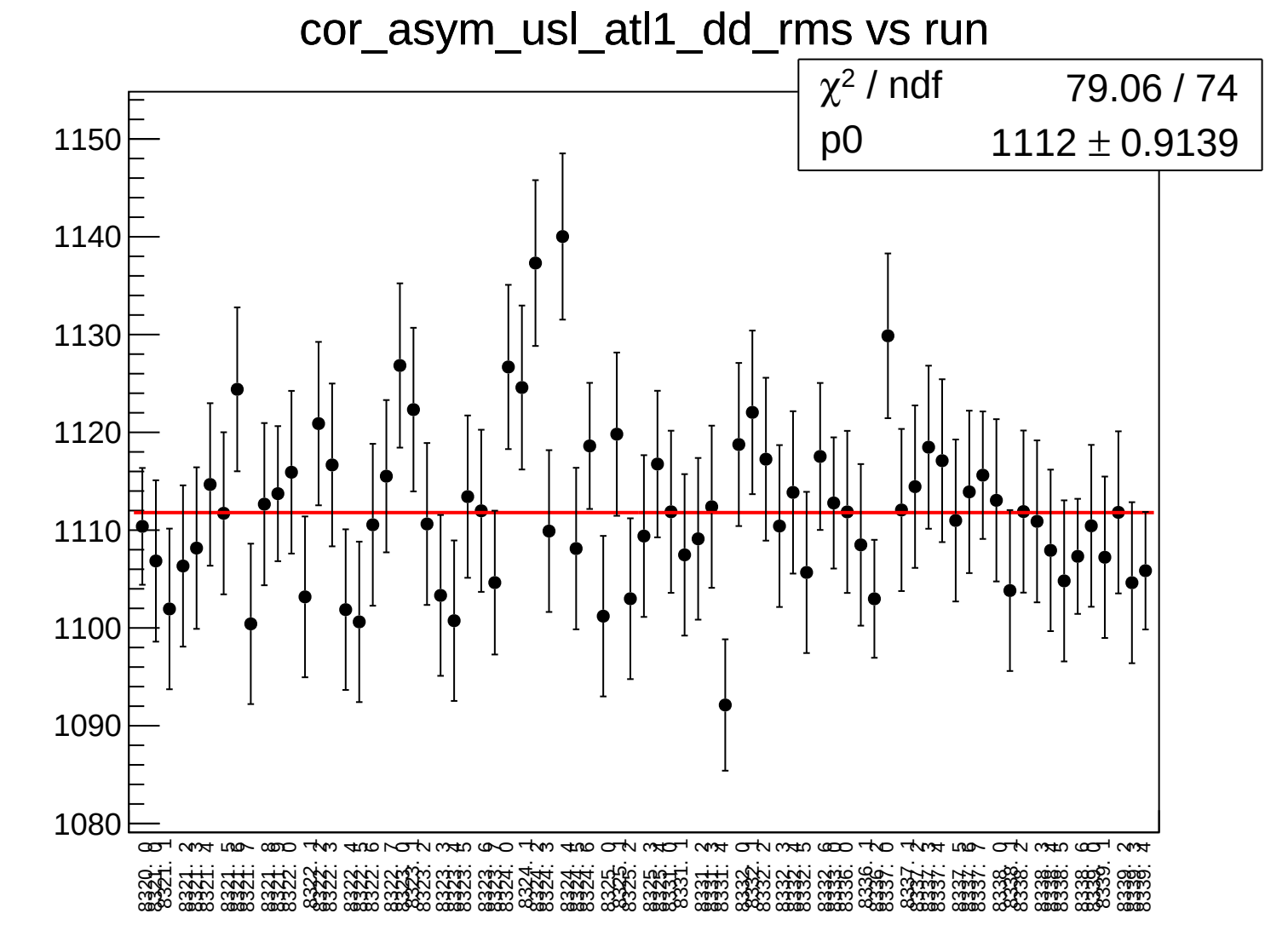

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 75.98 / 74
p0 −4583 ± 611.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 75
Mean 29.99
Std Dev 0
2
1
0
−1
−2

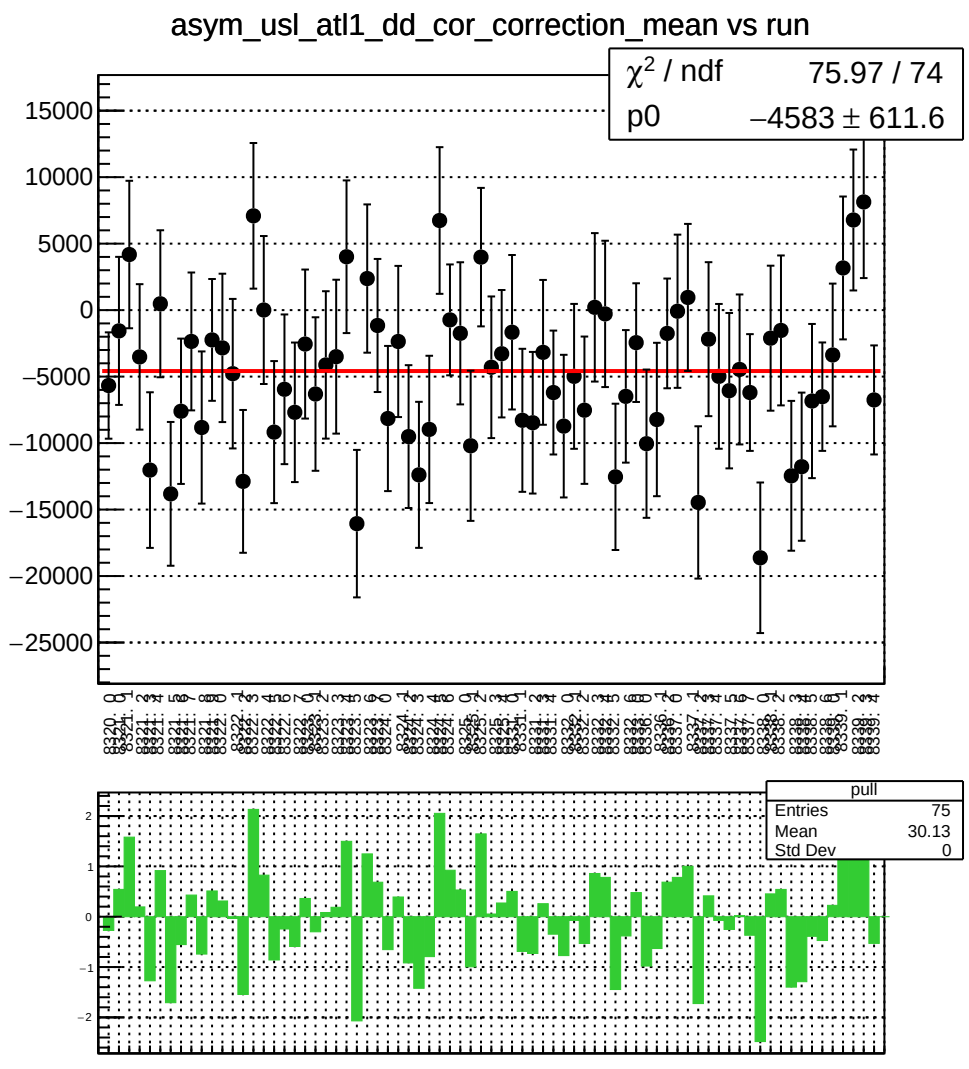

pull1D
Entries 75
Mean −0.00468
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

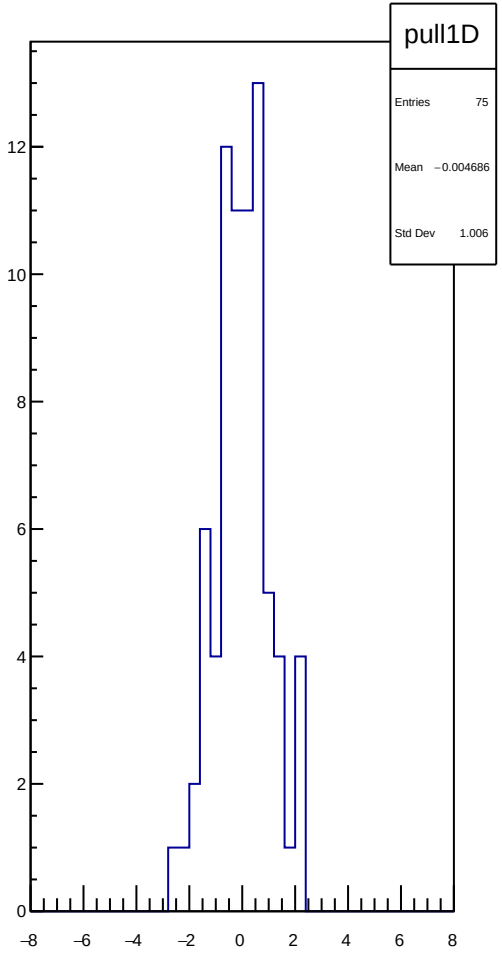

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 1048 / 74
p0 525.9 ± 0.4325
560
550
540
530
520
510
500
490

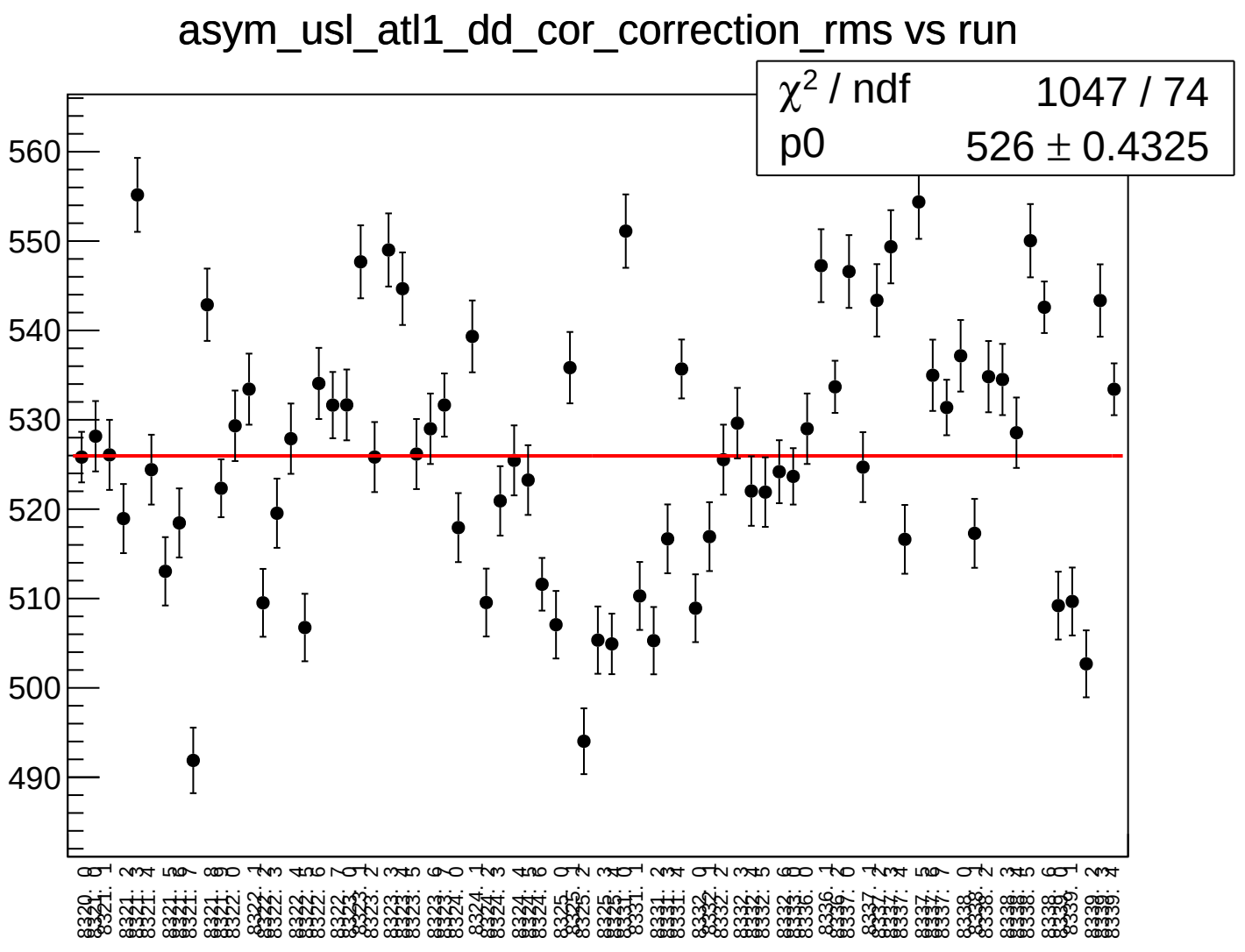

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 67.18 / 74
p0 309 ± 1292
pull
Entries 75
Mean −24.11
Std Dev 0

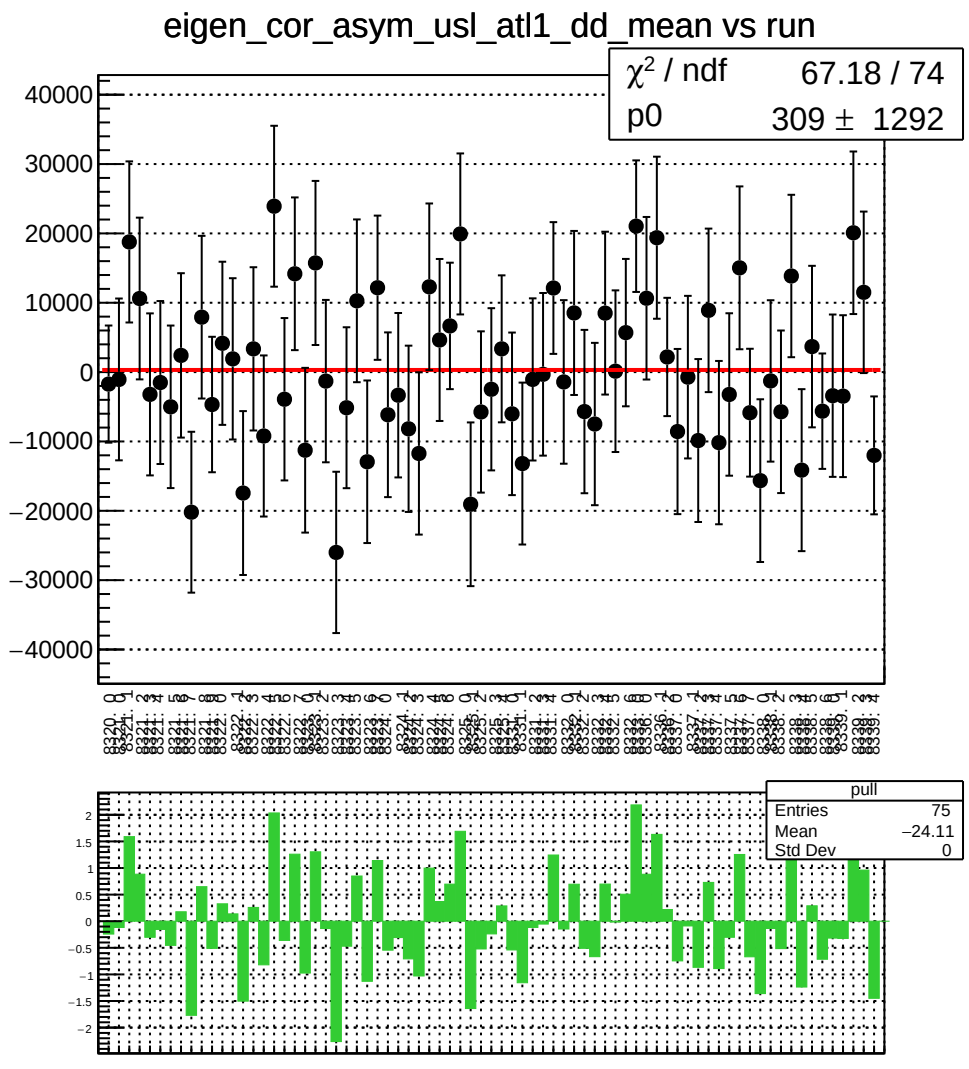

pull1D
Entries 75
Mean −0.002806
Std Dev 0.9465

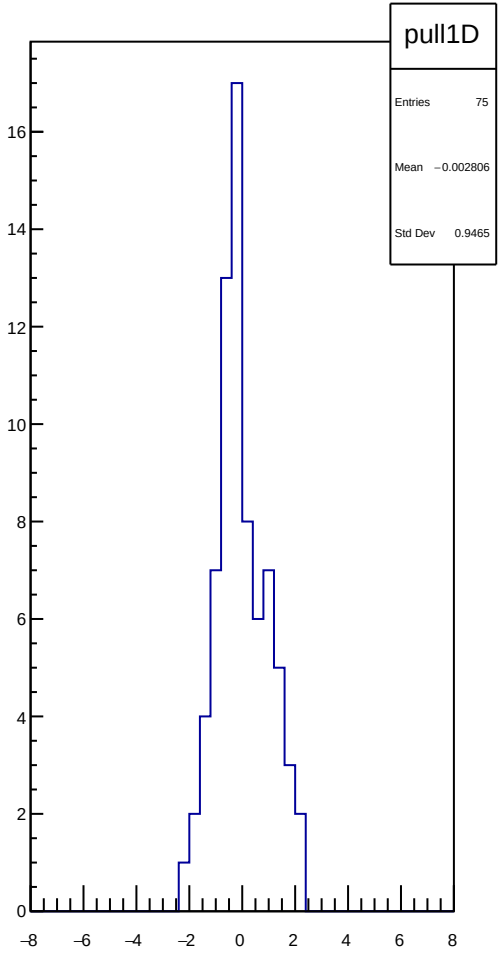

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 79.06 / 74
p0 1112 ± 0.9139
1150
1140
1130
1120
1110
1100
1090
1080

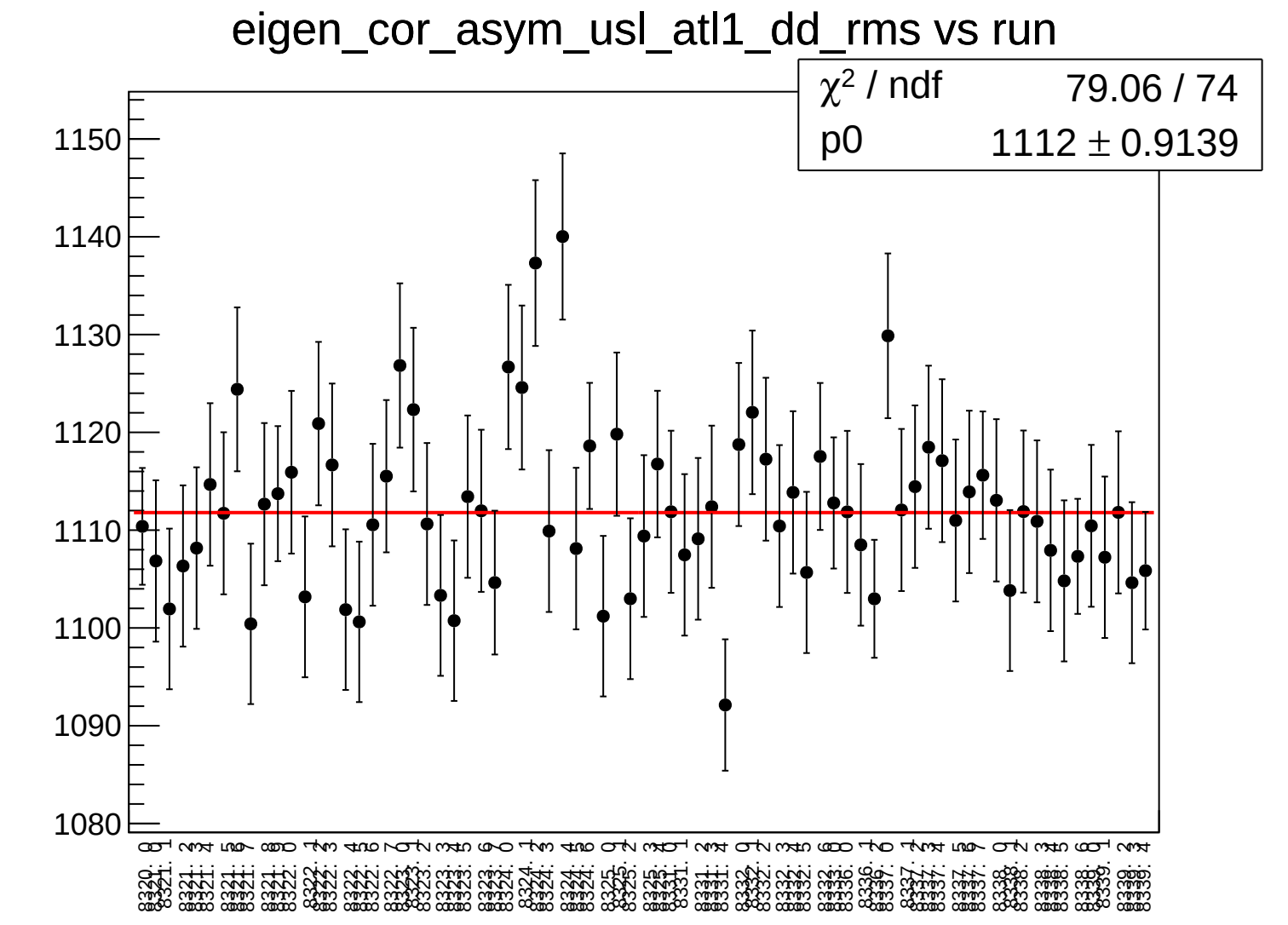

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 75.97 / 74
p0 −4583 ± 611.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 75
Mean 30.13
Std Dev 0
2
1
0
−1
−2

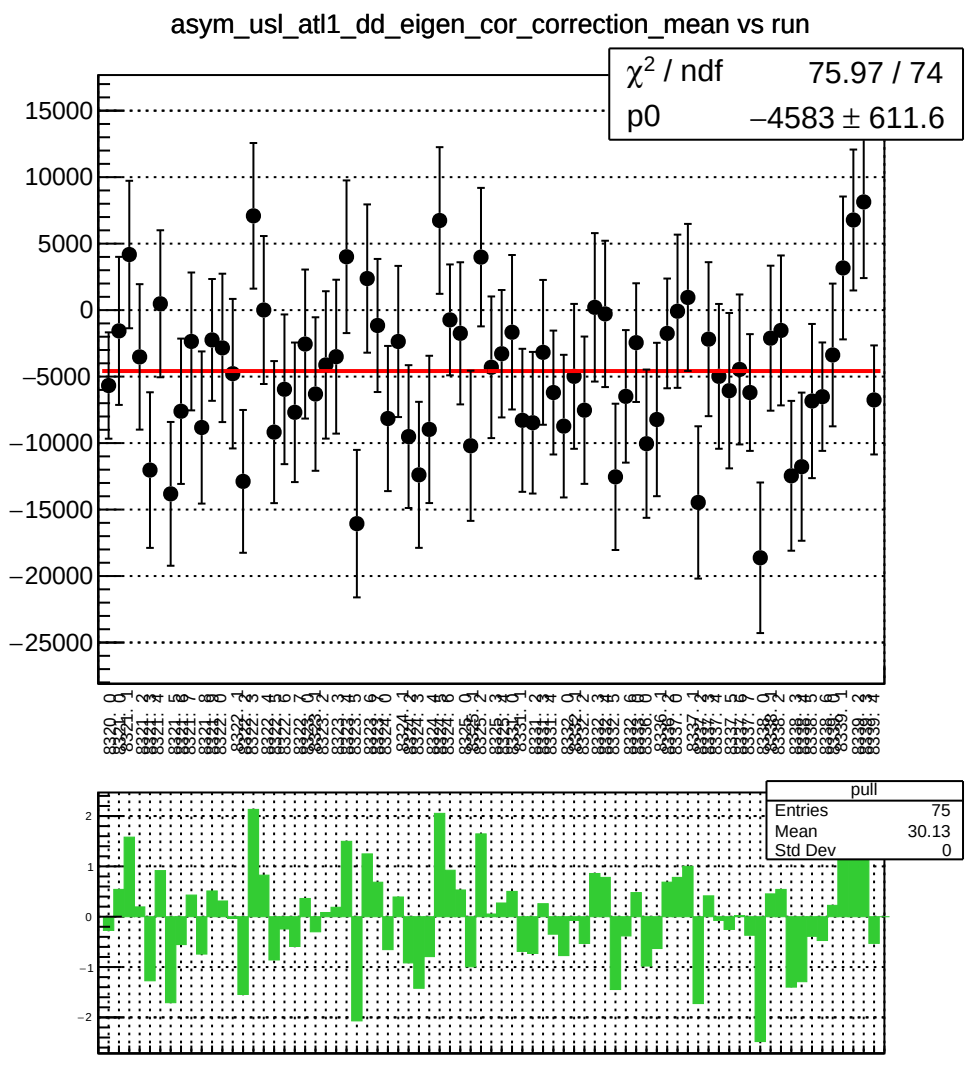

pull1D
Entries 75
Mean −0.004686
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

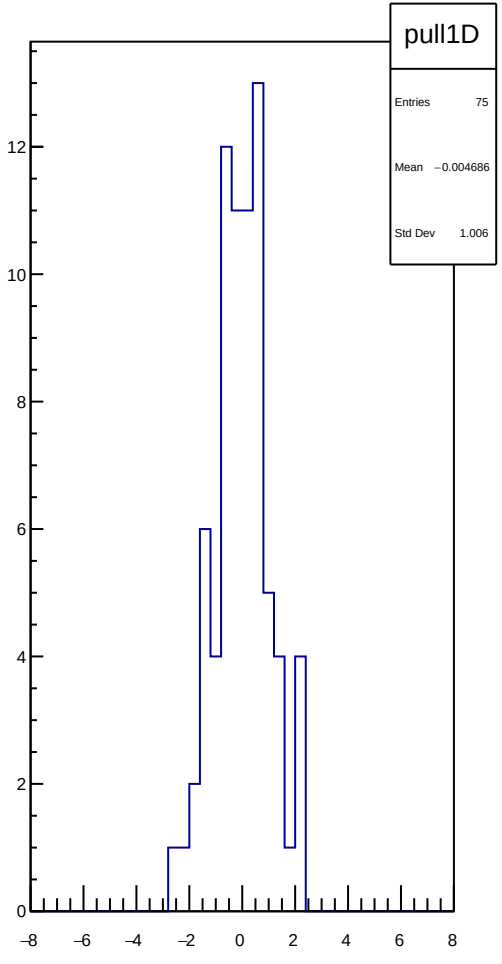

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 1047 / 74
p0 526 ± 0.4325
560
550
540
530
520
510
500
490


eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 67.18 / 74
p0 309 ± 1292
pull
Entries 75
Mean −24.11
Std Dev 0


pull1D
Entries 75
Mean −0.002806
Std Dev 0.9465


eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 79.06 / 74
p0 1112 ± 0.9139
1150
1140
1130
1120
1110
1100
1090
1080


asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 75.97 / 74
p0 −4583 ± 611.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 75
Mean 30.13
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.004686
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
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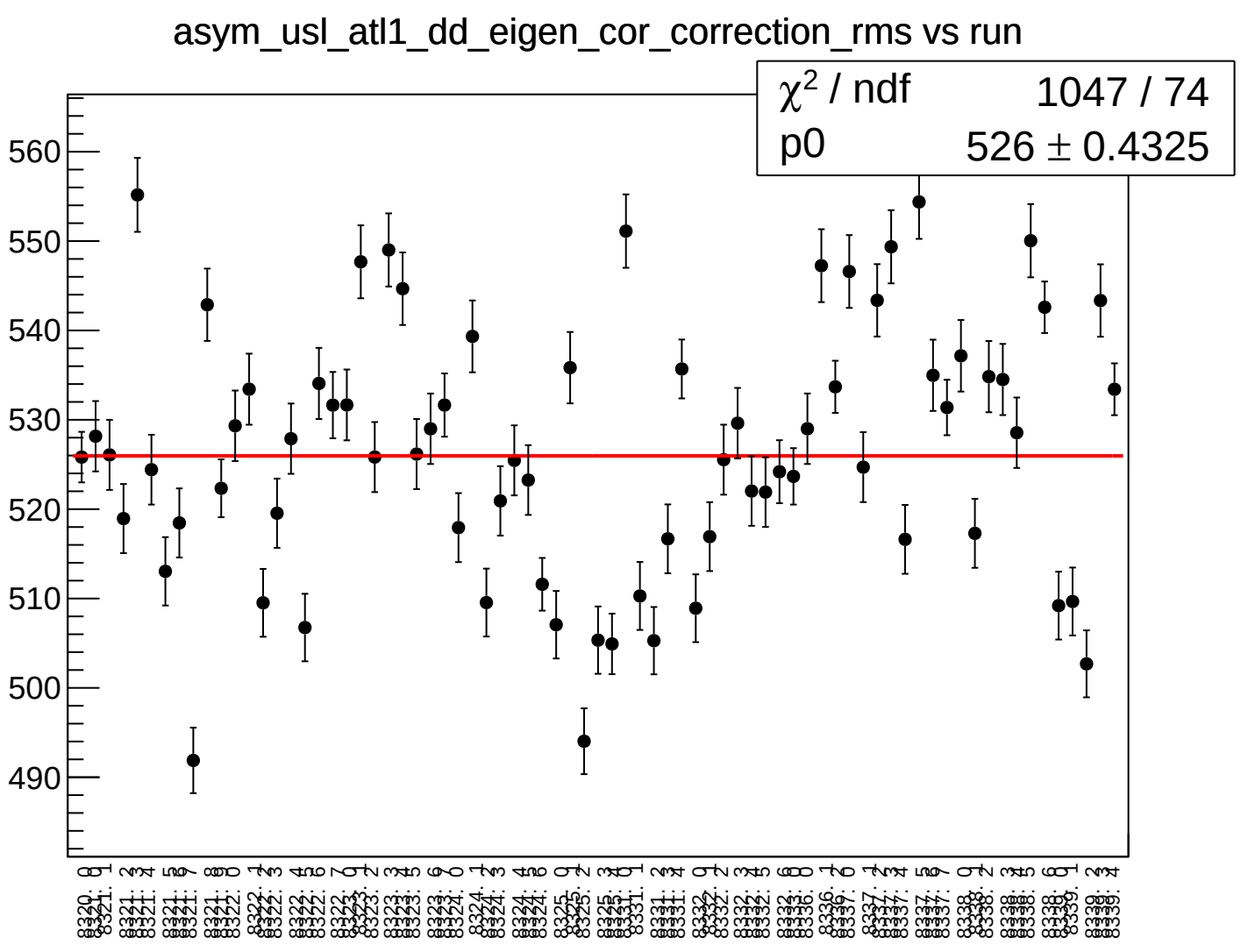
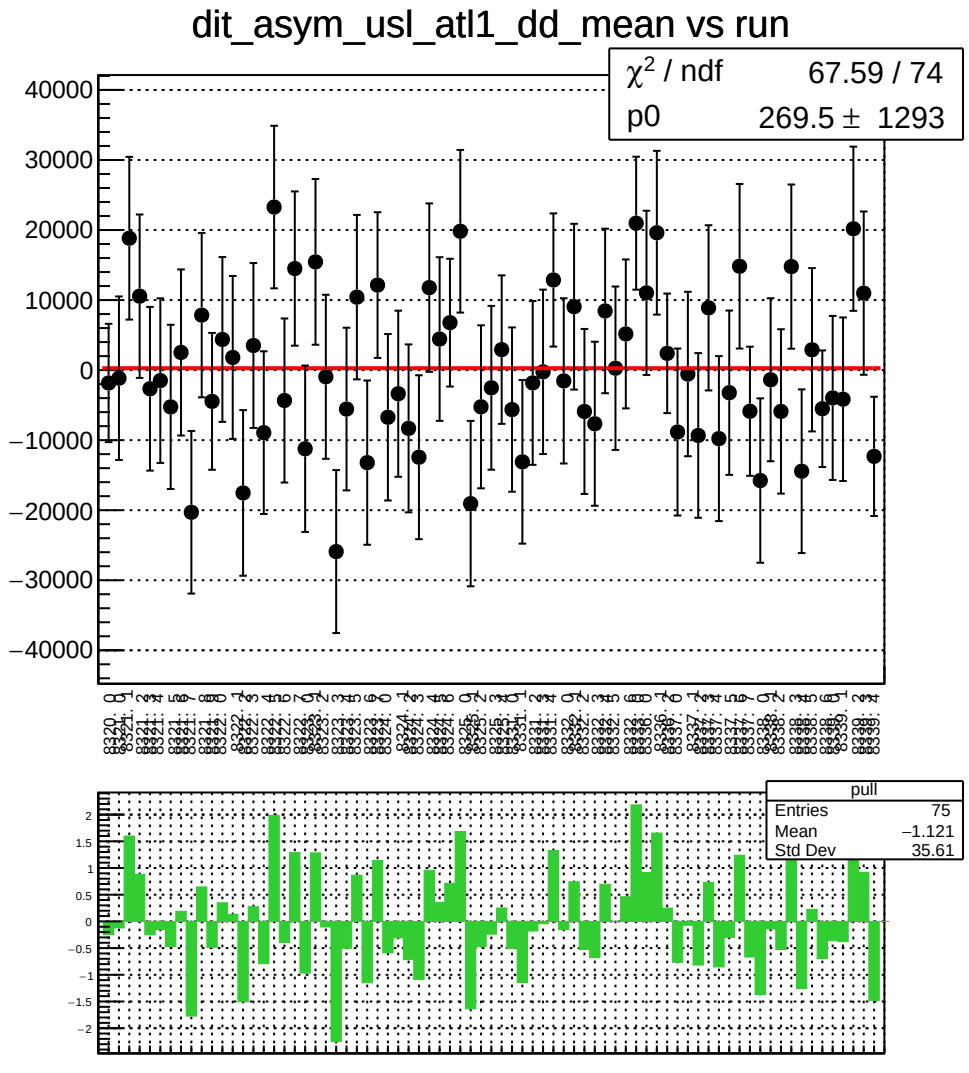
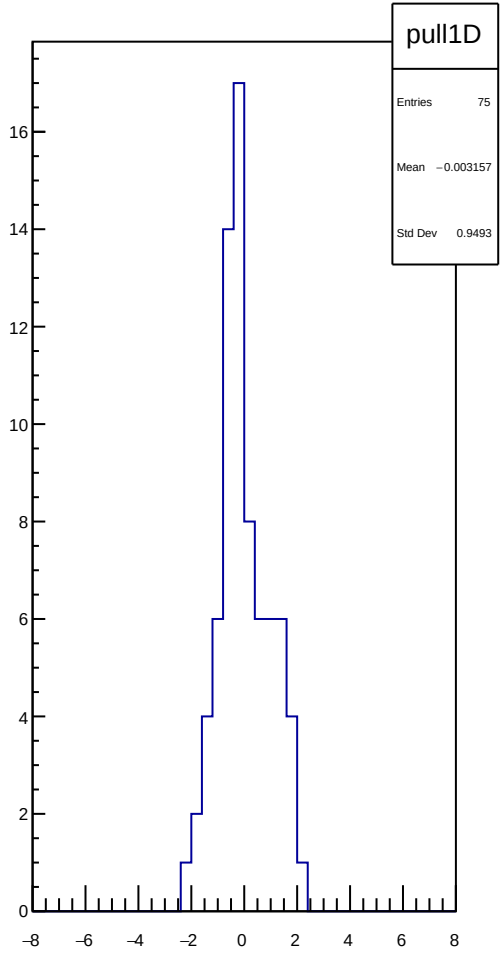
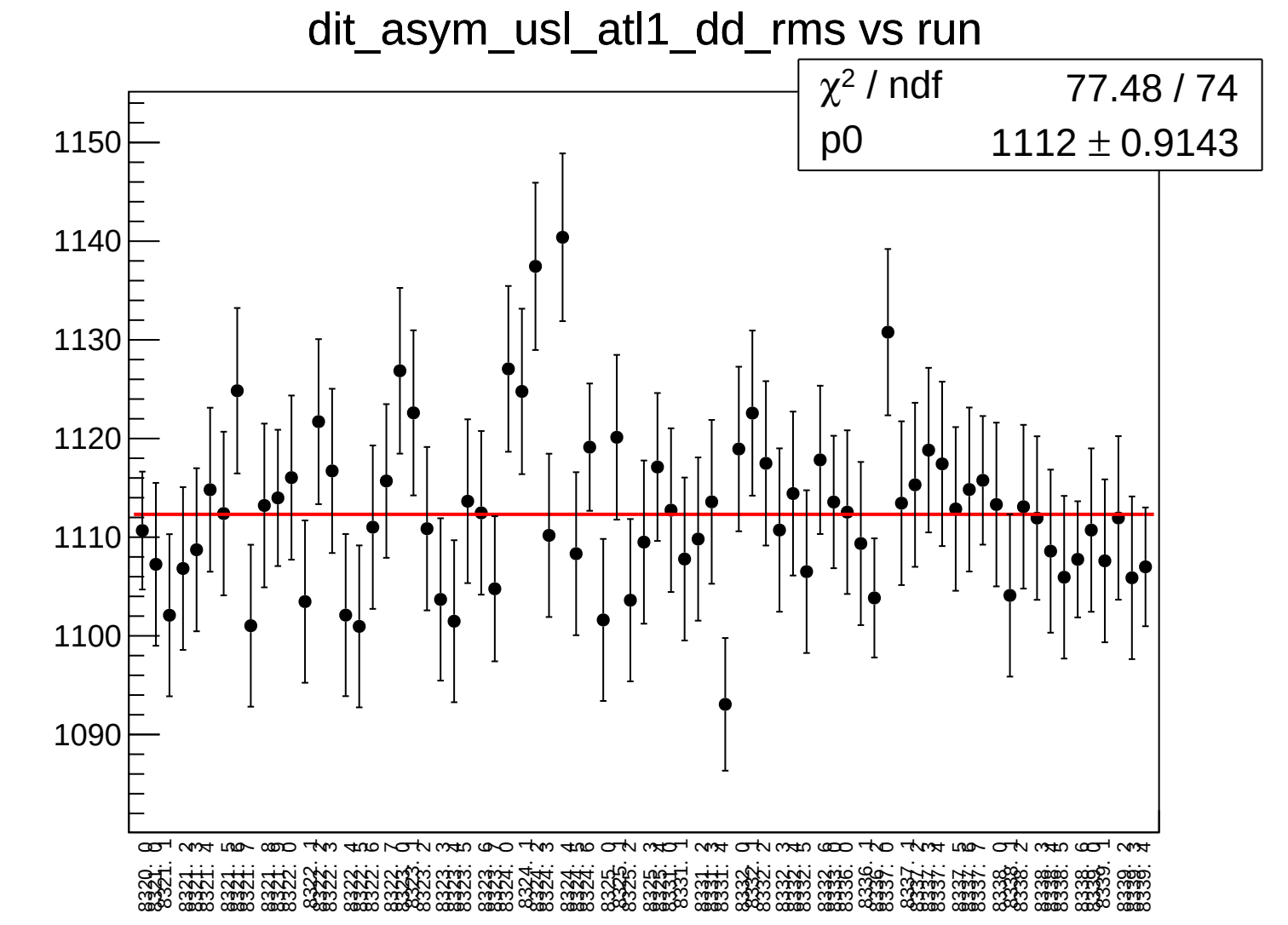
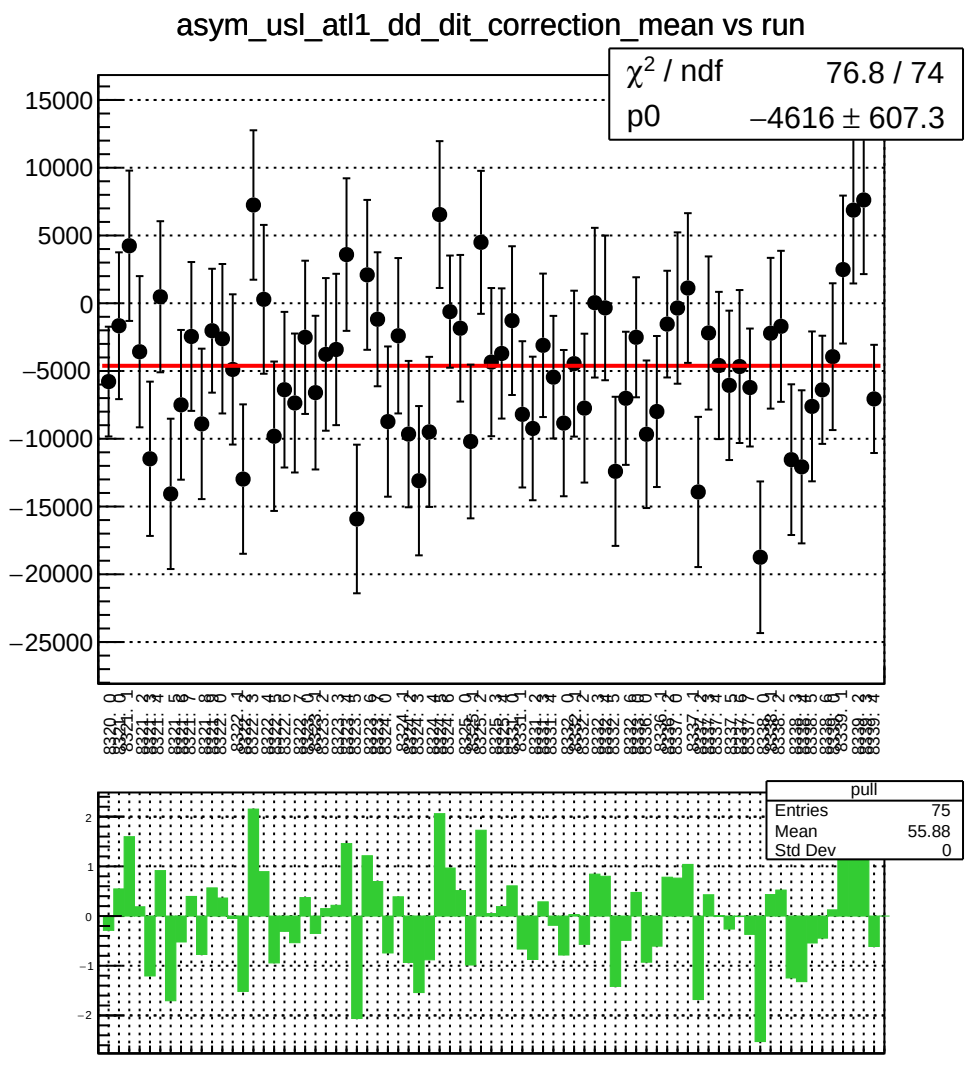
0
2
4
6
8

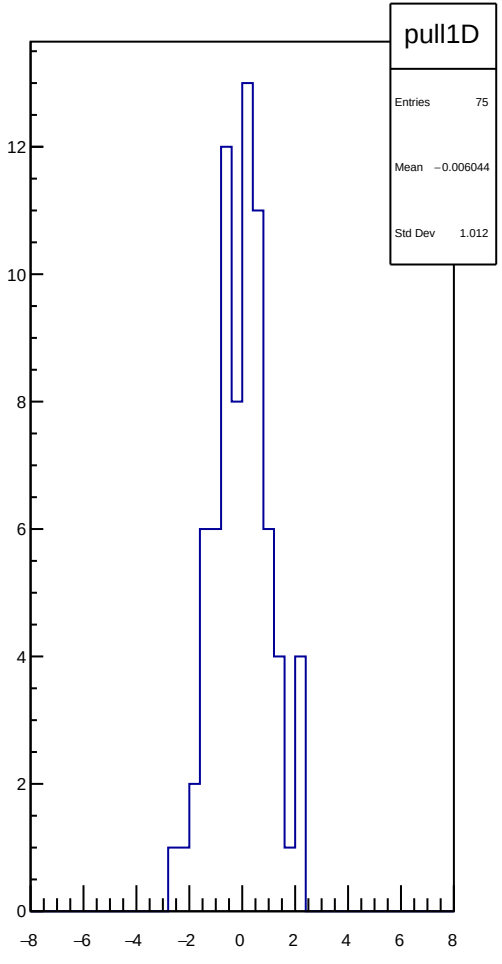

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 1047 / 74
p0 526 ± 0.4325
560
550
540
530
520
510
500
490

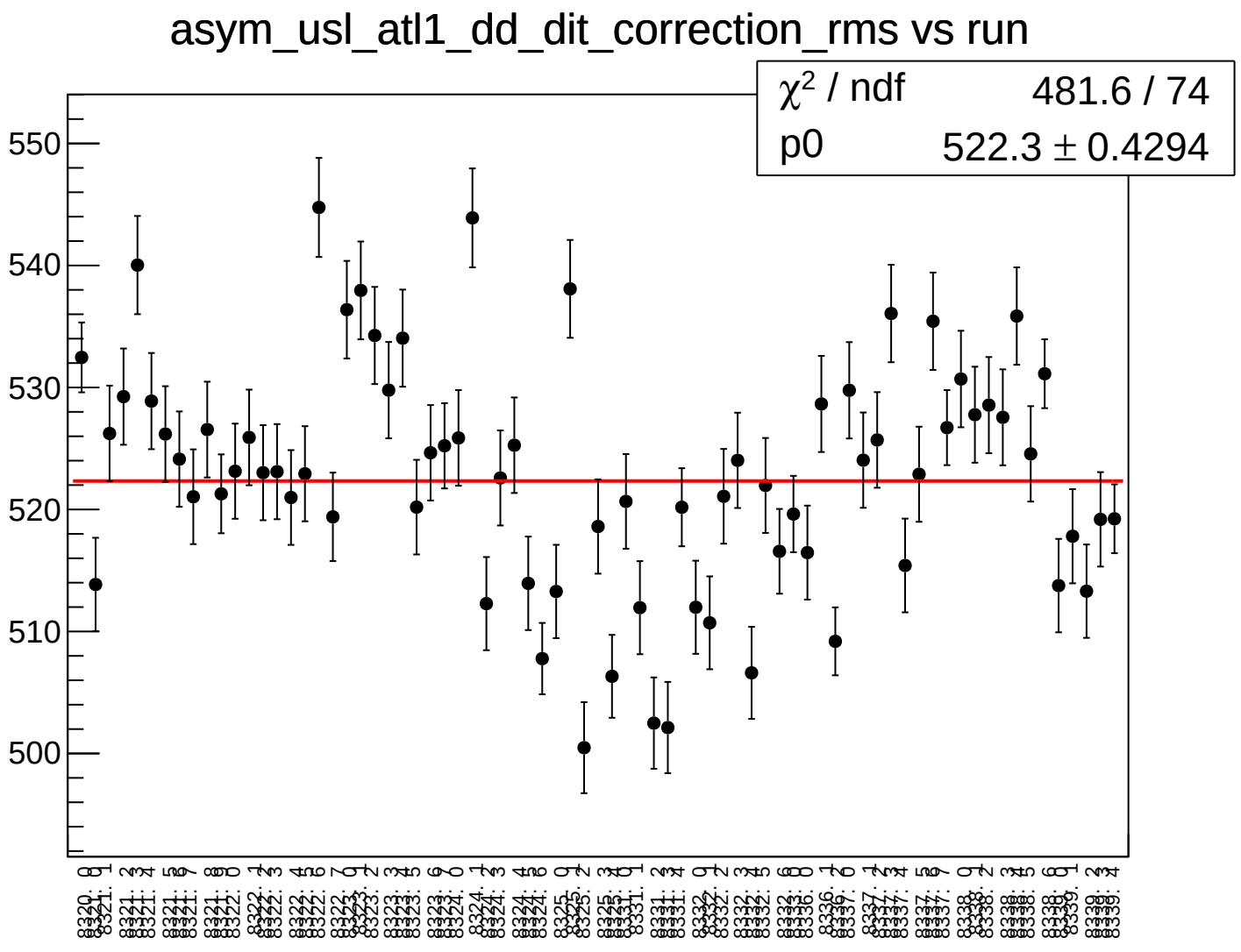

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 67.59 / 74
p0 269.5 ± 1293
pull
Entries 75
Mean −1.121
Std Dev 35.61

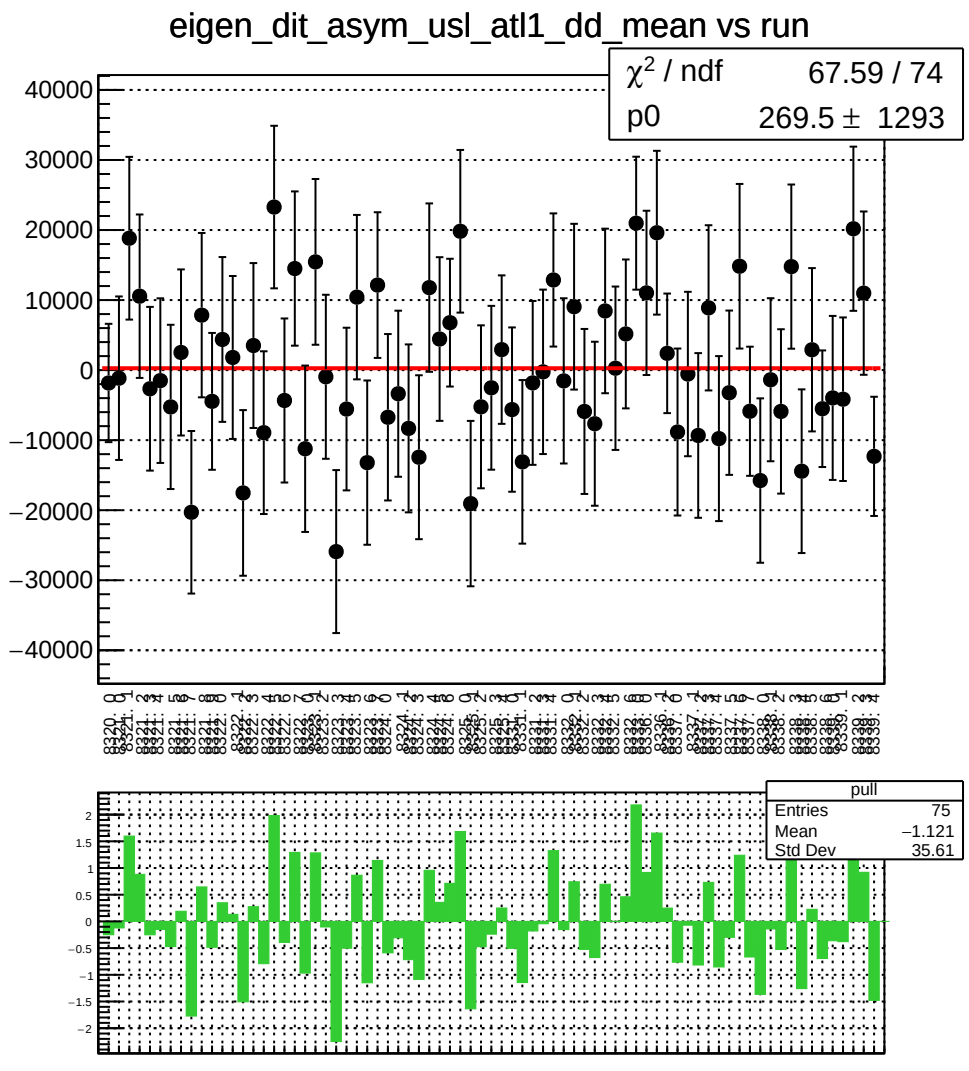

pull1D
Entries 75
Mean −0.003157
Std Dev 0.9493

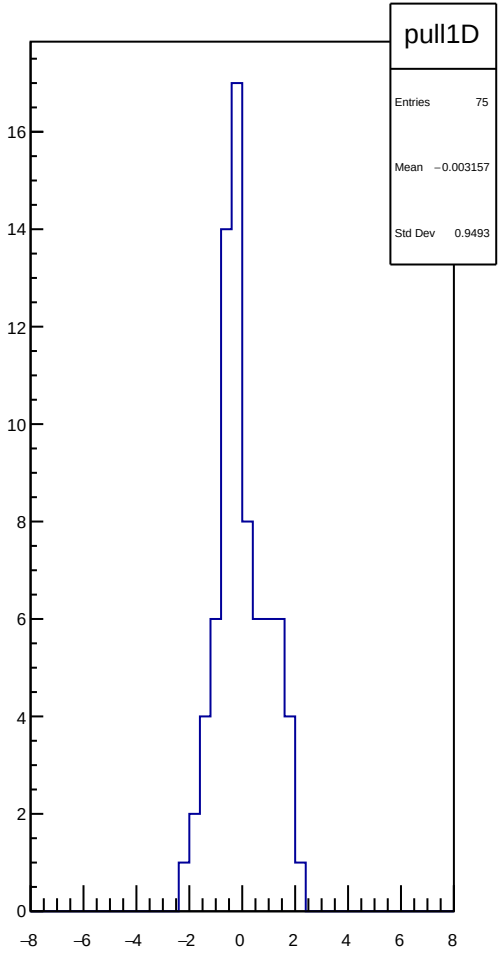

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 77.48 / 74
p0 1112 ± 0.9143
1150
1140
1130
1120
1110
1100
1090

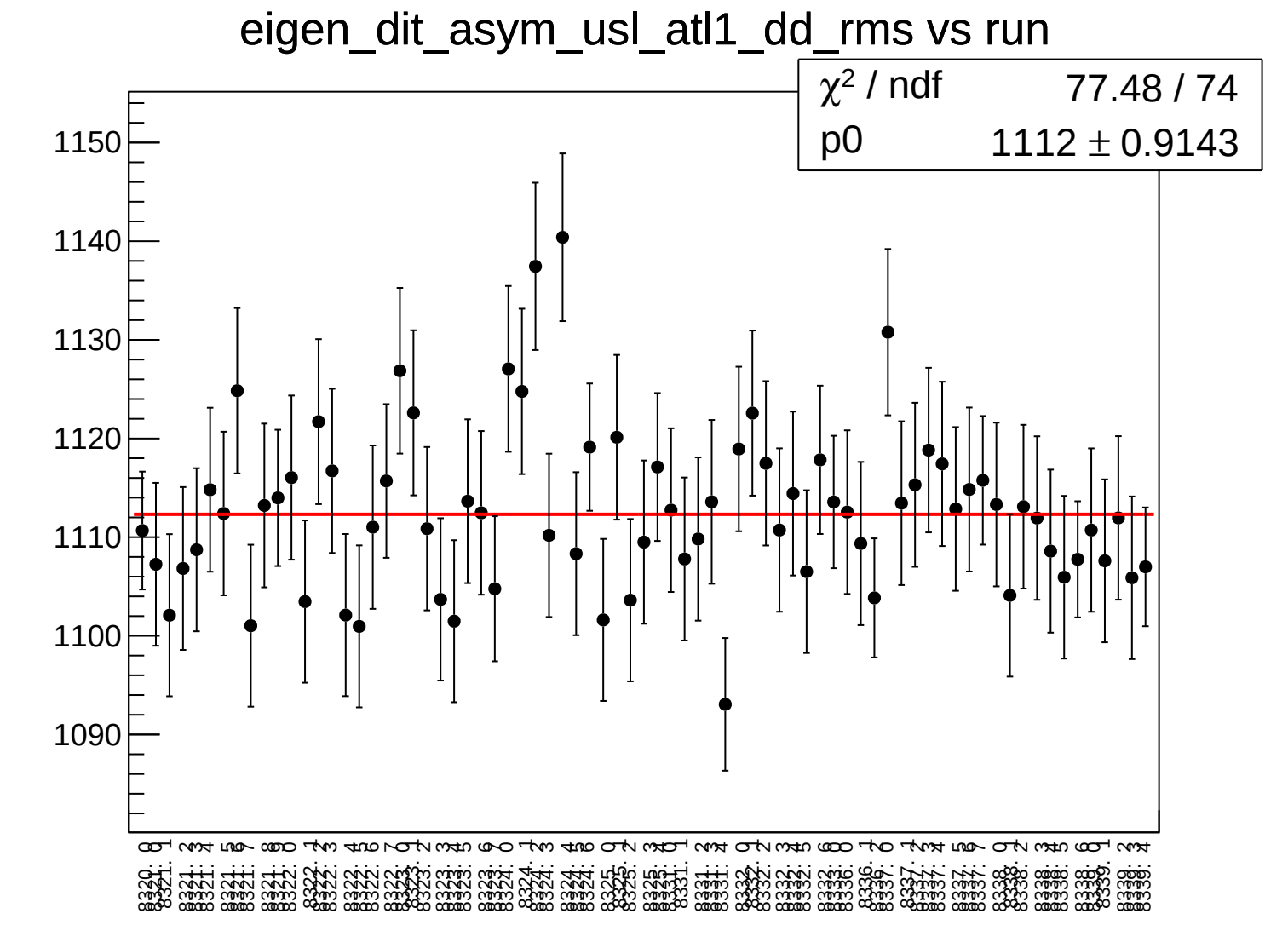

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 76.8 / 74
p0 −4616 ± 607.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 75
Mean 55.88
Std Dev 0
2
1
0
−1
−2

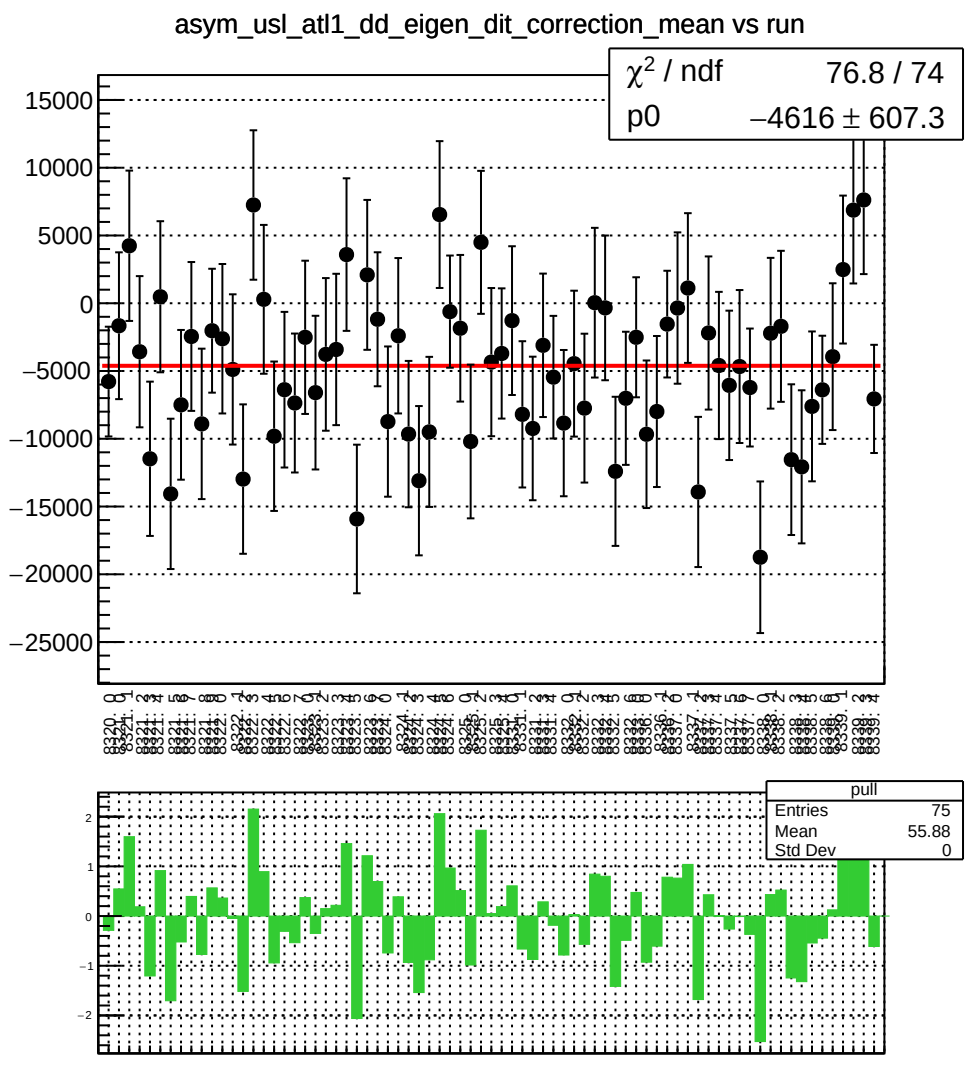

pull1D
Entries 75
Mean −0.006044
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

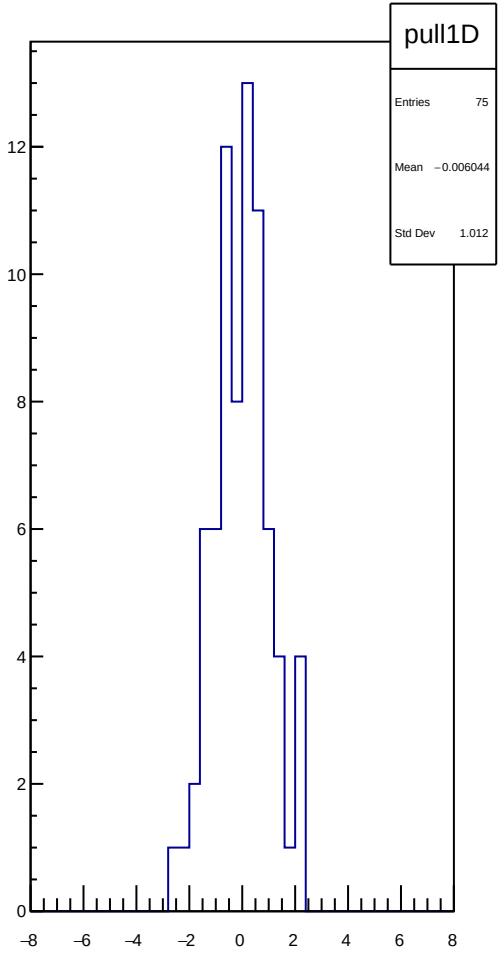

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 481.6 / 74
p0 522.3 ± 0.4294
550
540
530
520
510
500

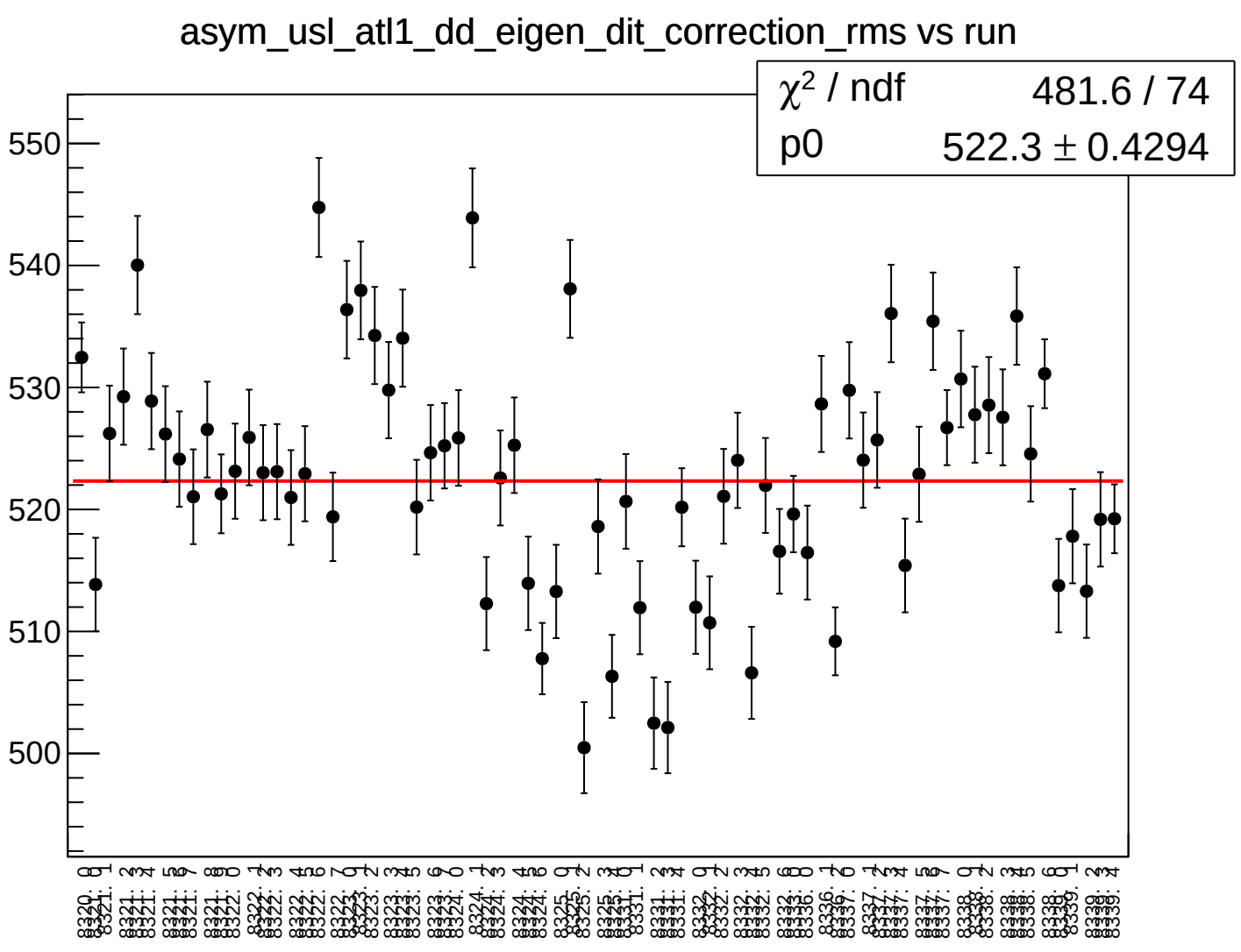

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 67.59 / 74
p0 269.5 ± 1293
pull
Entries 75
Mean −1.121
Std Dev 35.61

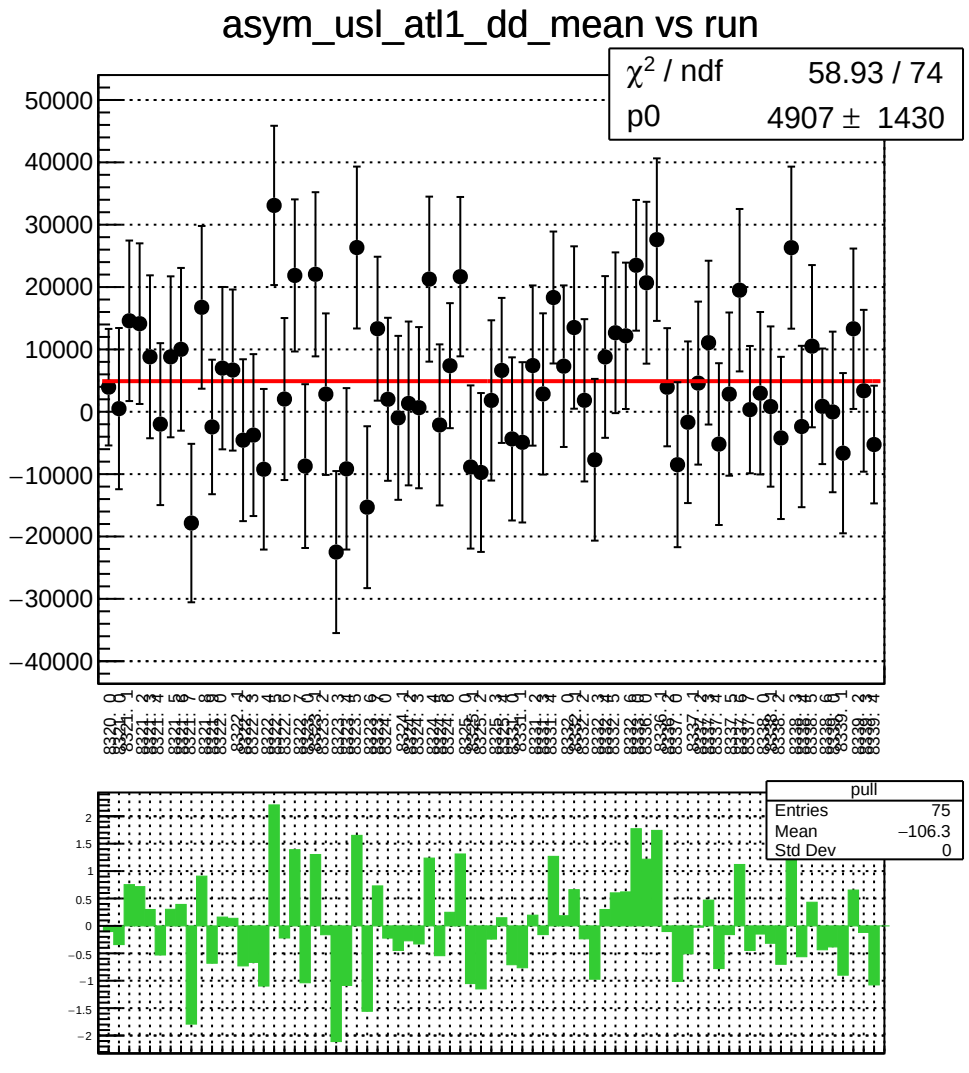

pull1D
Entries 75
Mean −0.003157
Std Dev 0.9493

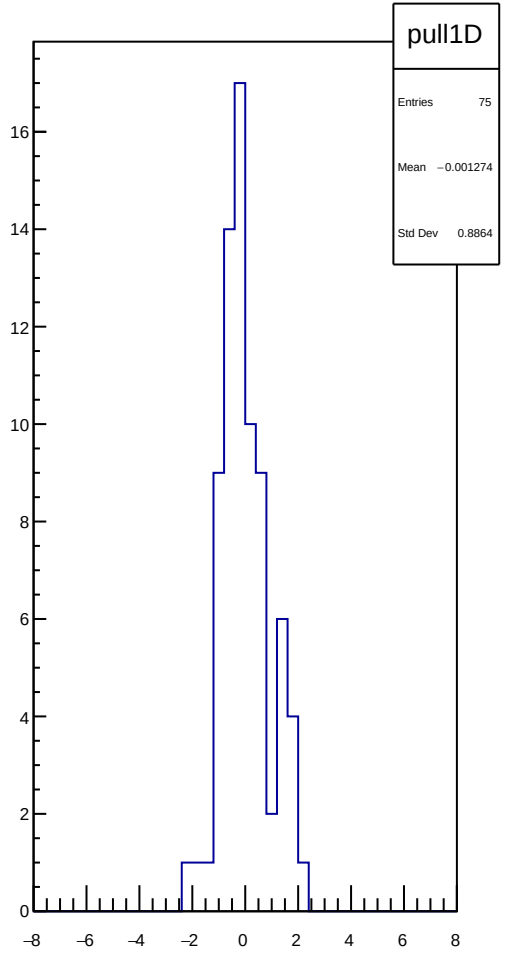

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 77.48 / 74
p0 1112 ± 0.9143
1150
1140
1130
1120
1110
1100
1090

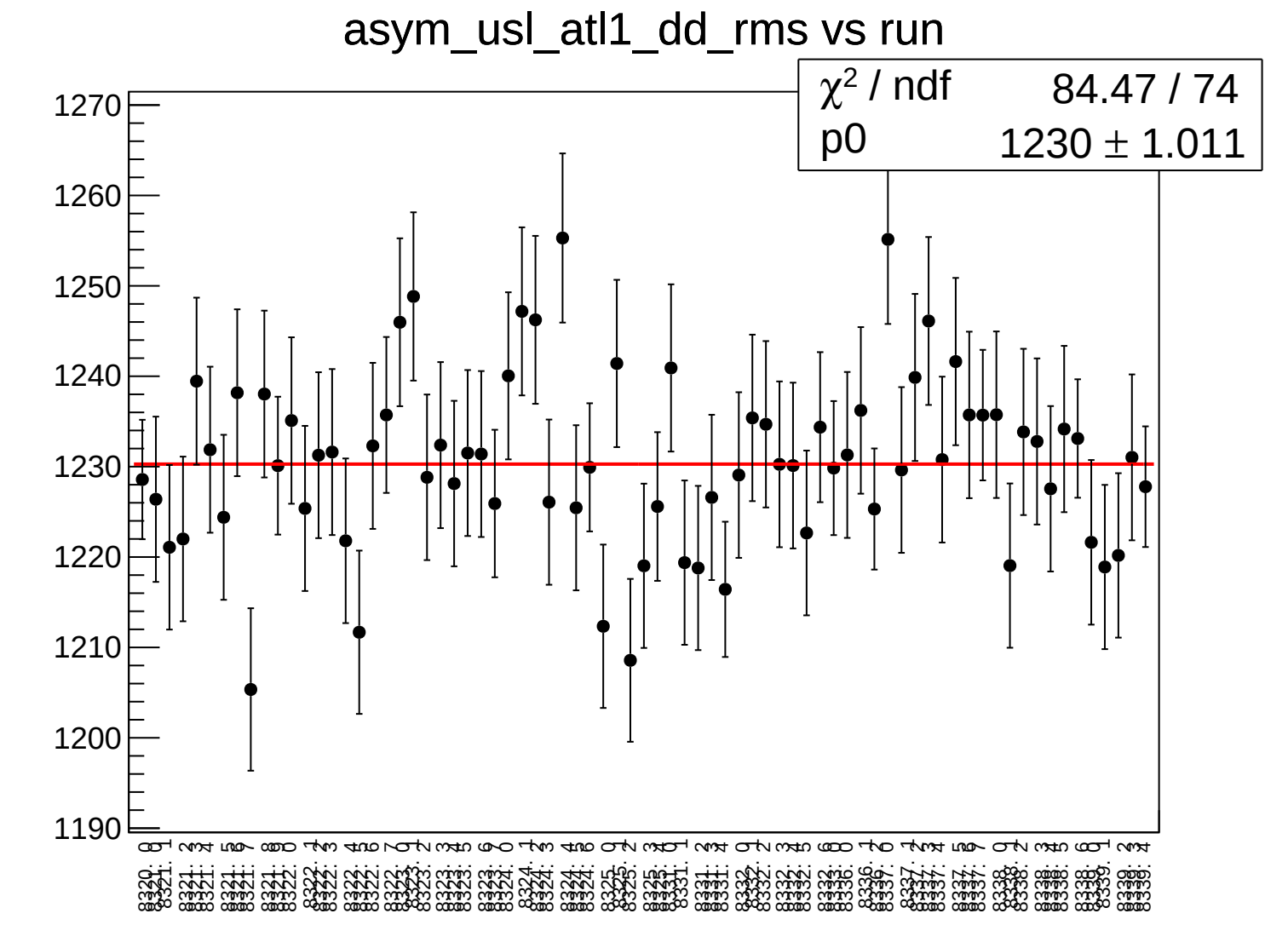

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 76.8 / 74
p0 −4616 ± 607.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 75
Mean 55.88
Std Dev 0
2
1
0
−1
−2

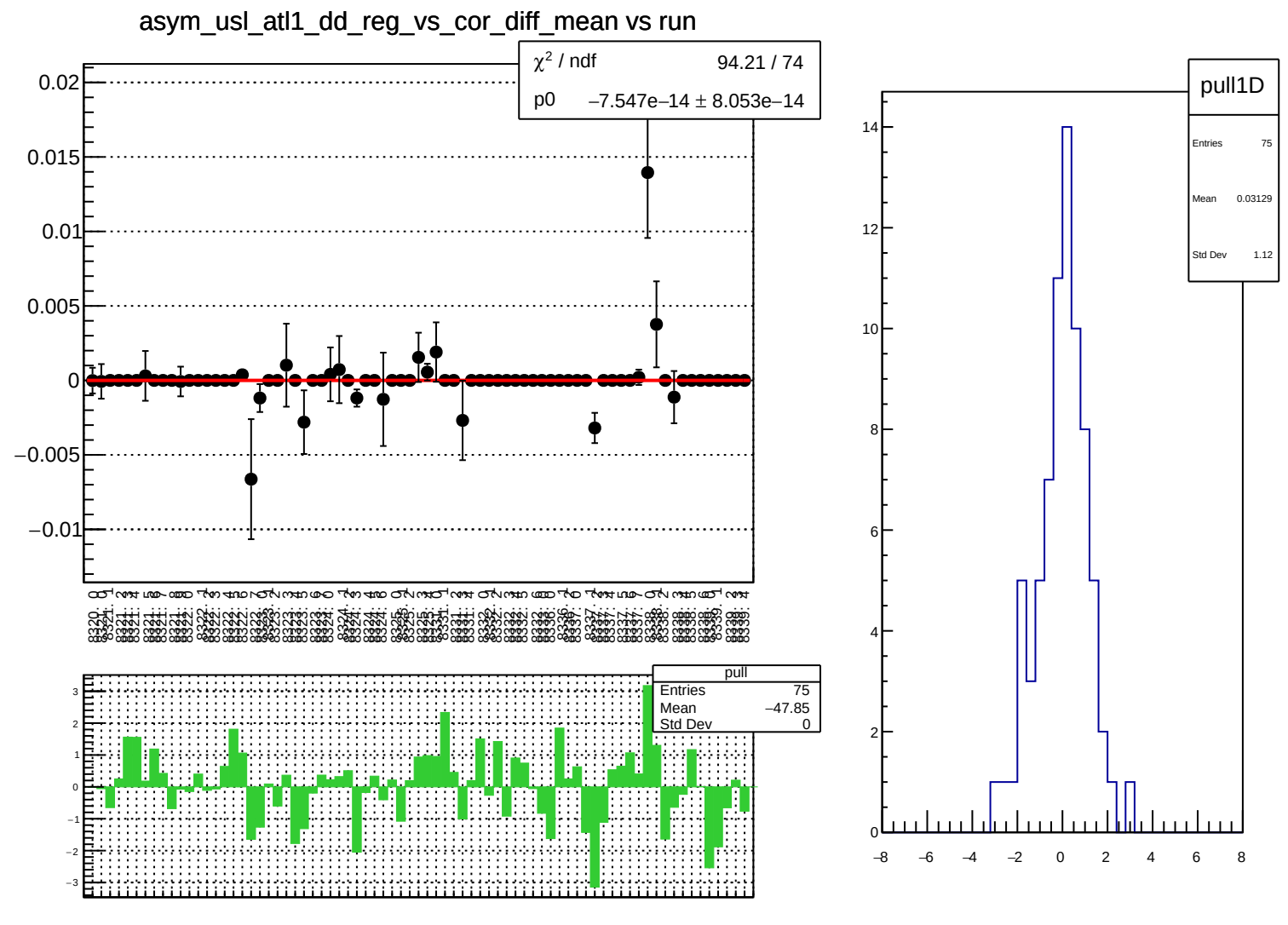

pull1D
Entries 75
Mean −0.006044
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

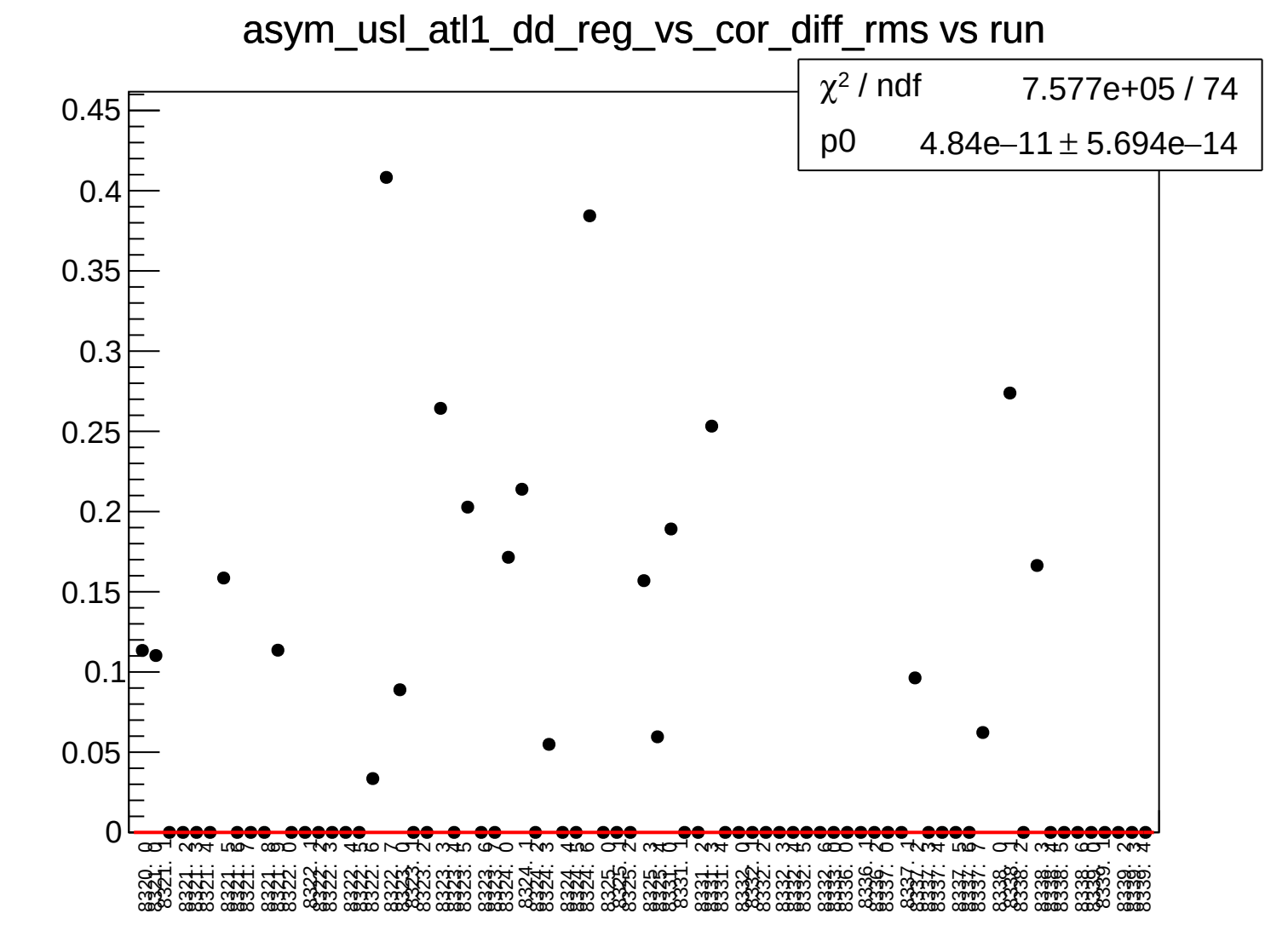

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 481.6 / 74
p0 522.3 ± 0.4294
550
540
530
520
510
500

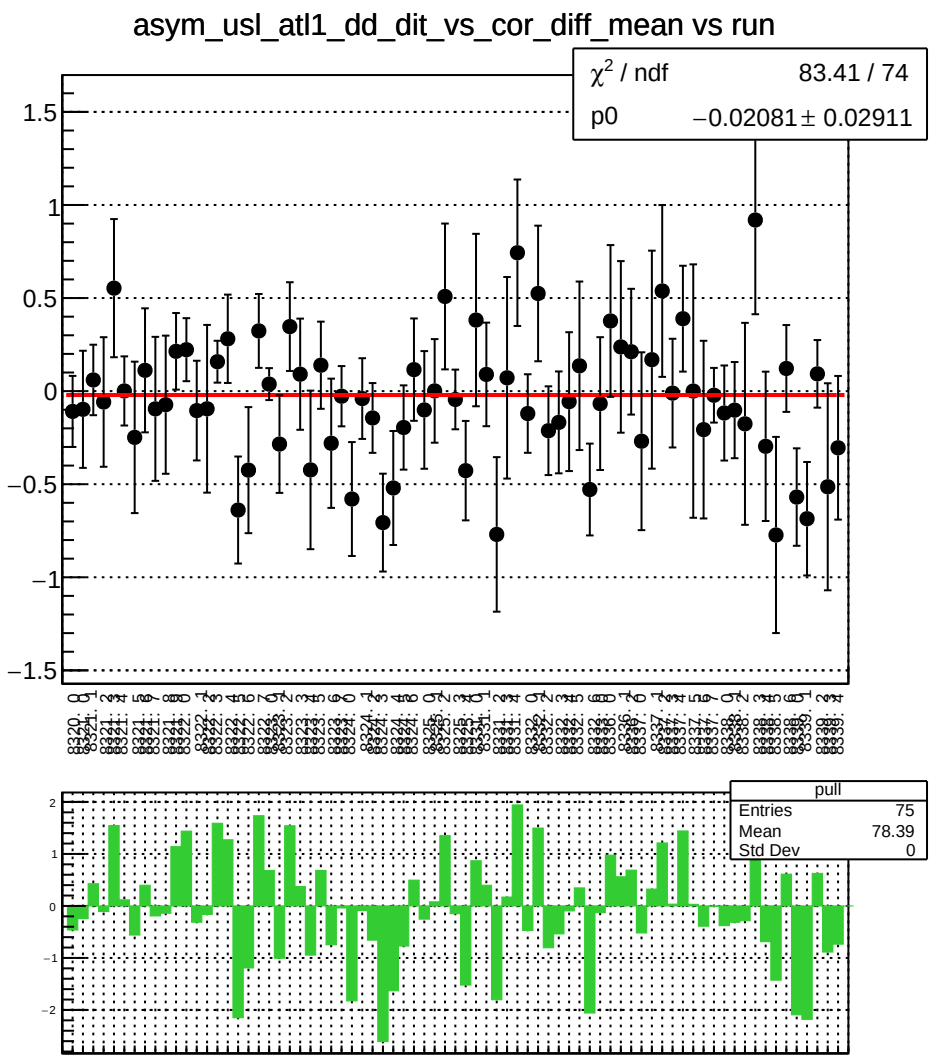

asym_usl_atl1_dd_mean vs run
χ² / ndf 58.93 / 74
p0 4907 ± 1430
pull
Entries 75
Mean −106.3
Std Dev 0

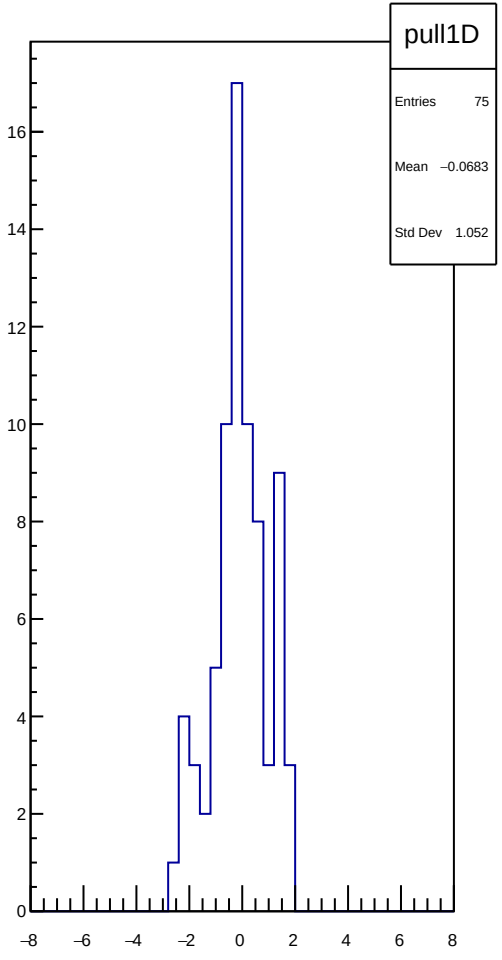

pull1D
Entries 75
Mean −0.001274
Std Dev 0.8864

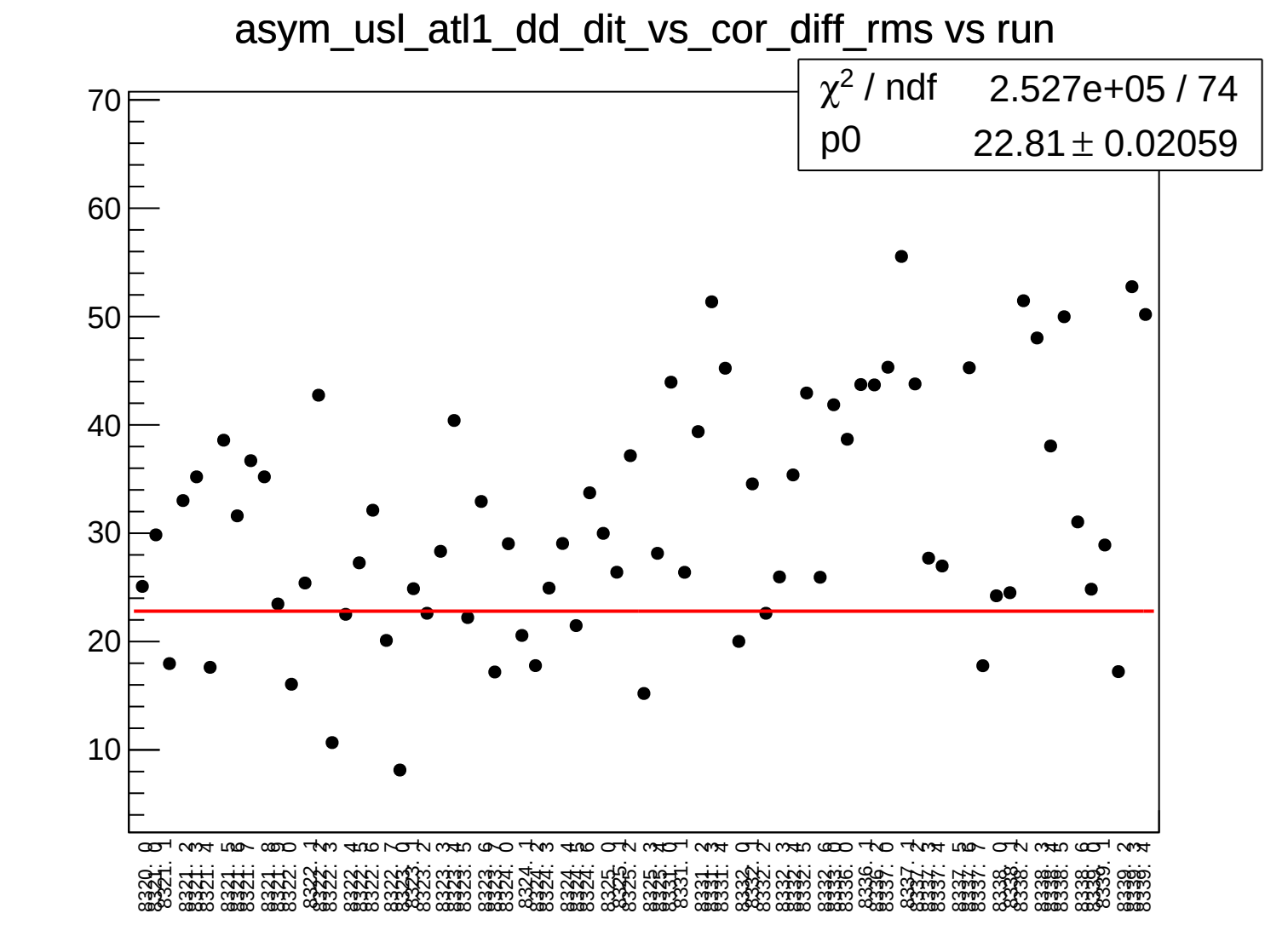

asym_usl_atl1_dd_rms vs run
χ² / ndf 84.47 / 74
p0 1230 ± 1.011
1270
1260
1250
1240
1230
1220
1210
1200
1190

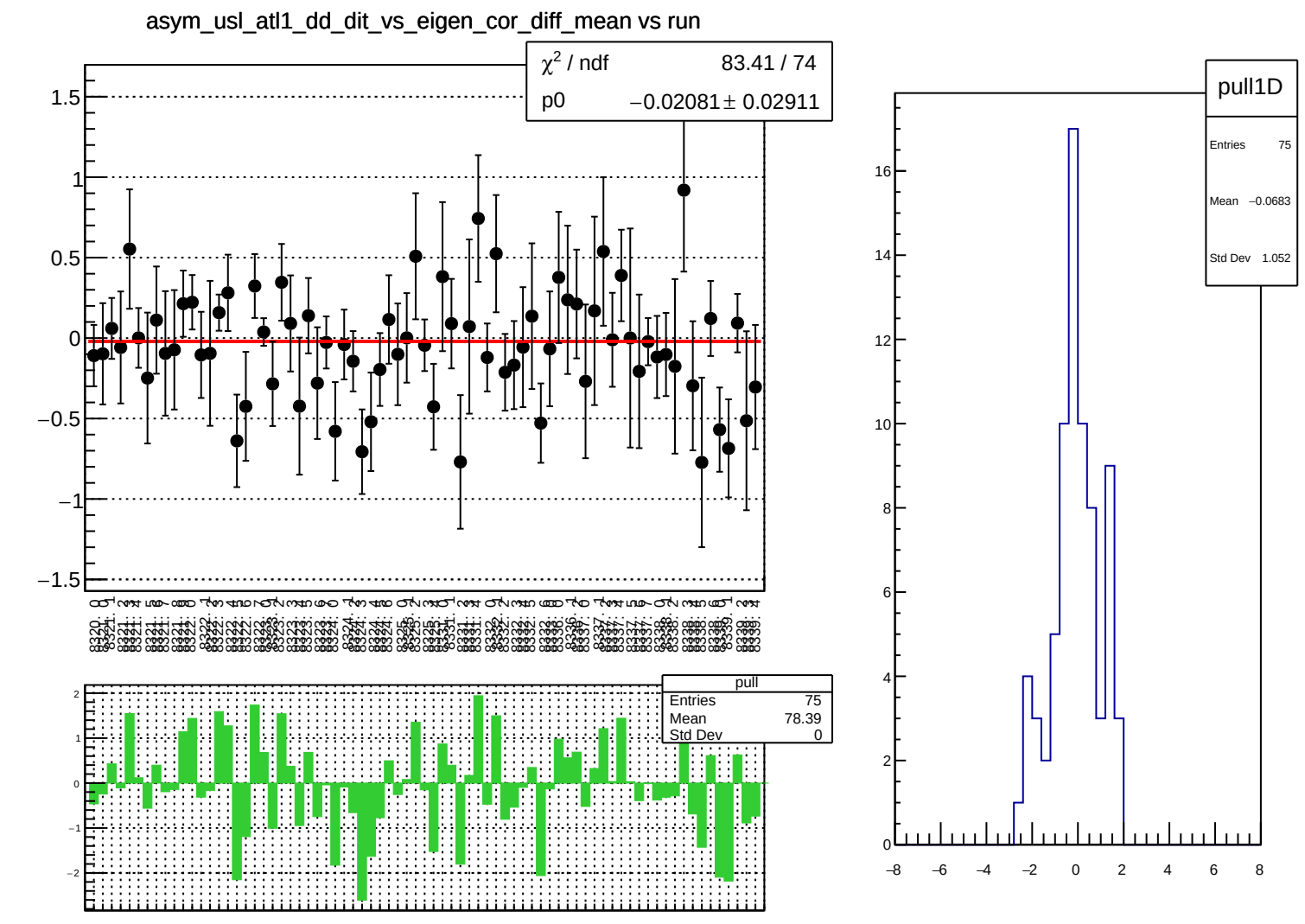

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 94.21 / 74
p0 −7.547e−14 ± 8.053e−14
pull
Entries 75
Mean −47.85
Std Dev 0
pull1D
Entries 75
Mean 0.03129
Std Dev 1.12

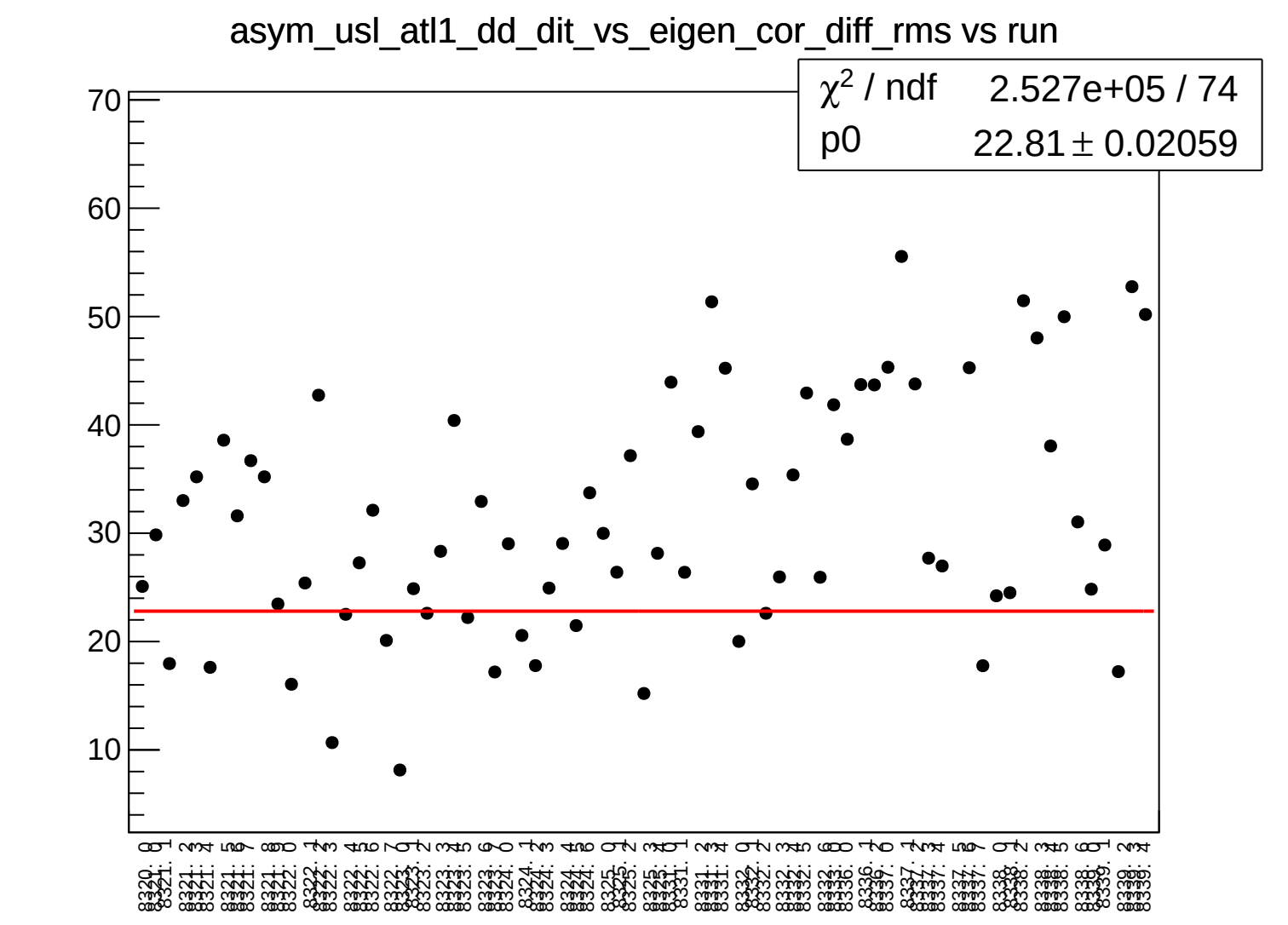

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.577e+05 / 74
p0 4.84e−11 ± 5.694e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

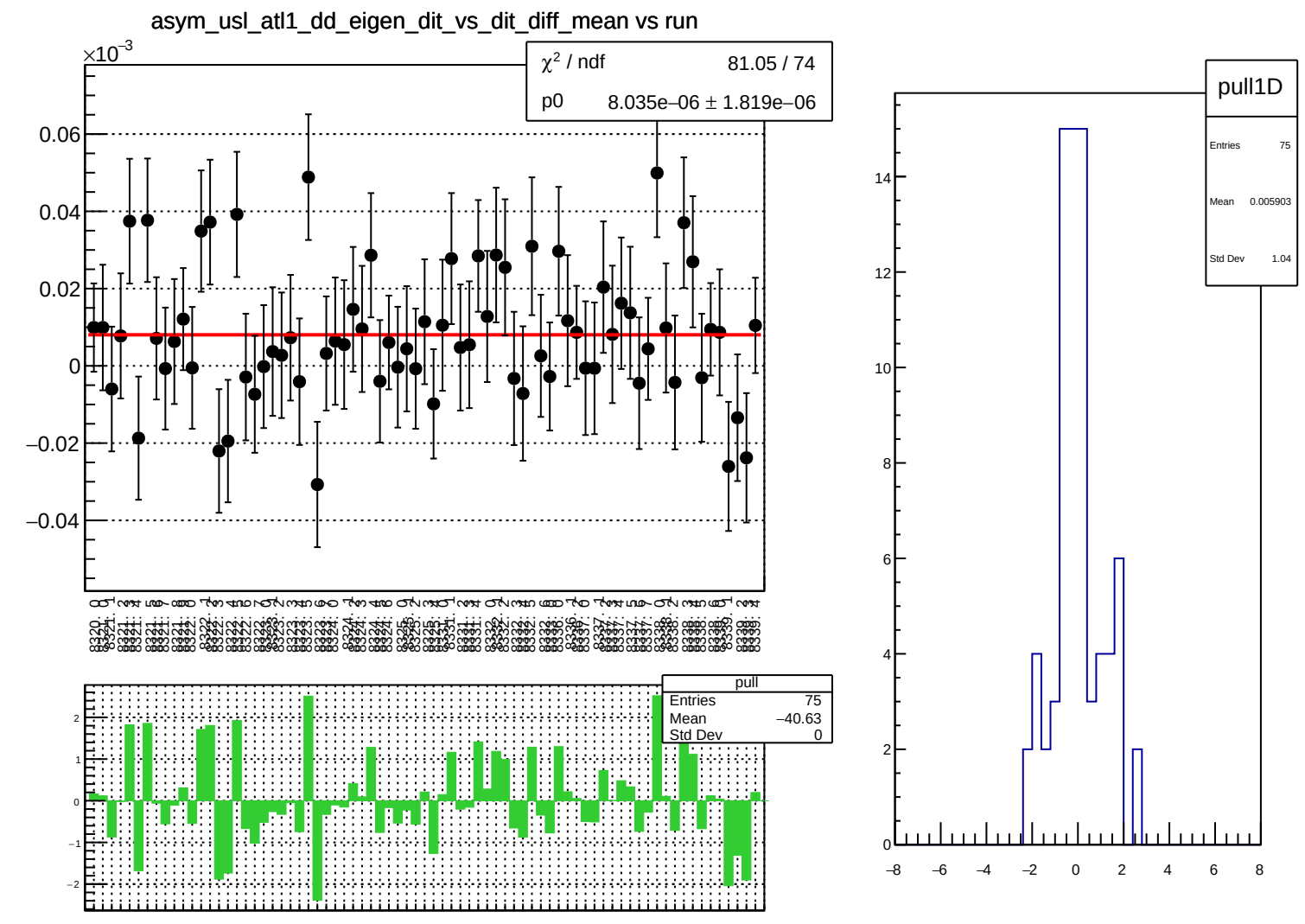

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 83.41 / 74
p0 −0.02081 ± 0.02911
pull
Entries 75
Mean 78.39
Std Dev 0

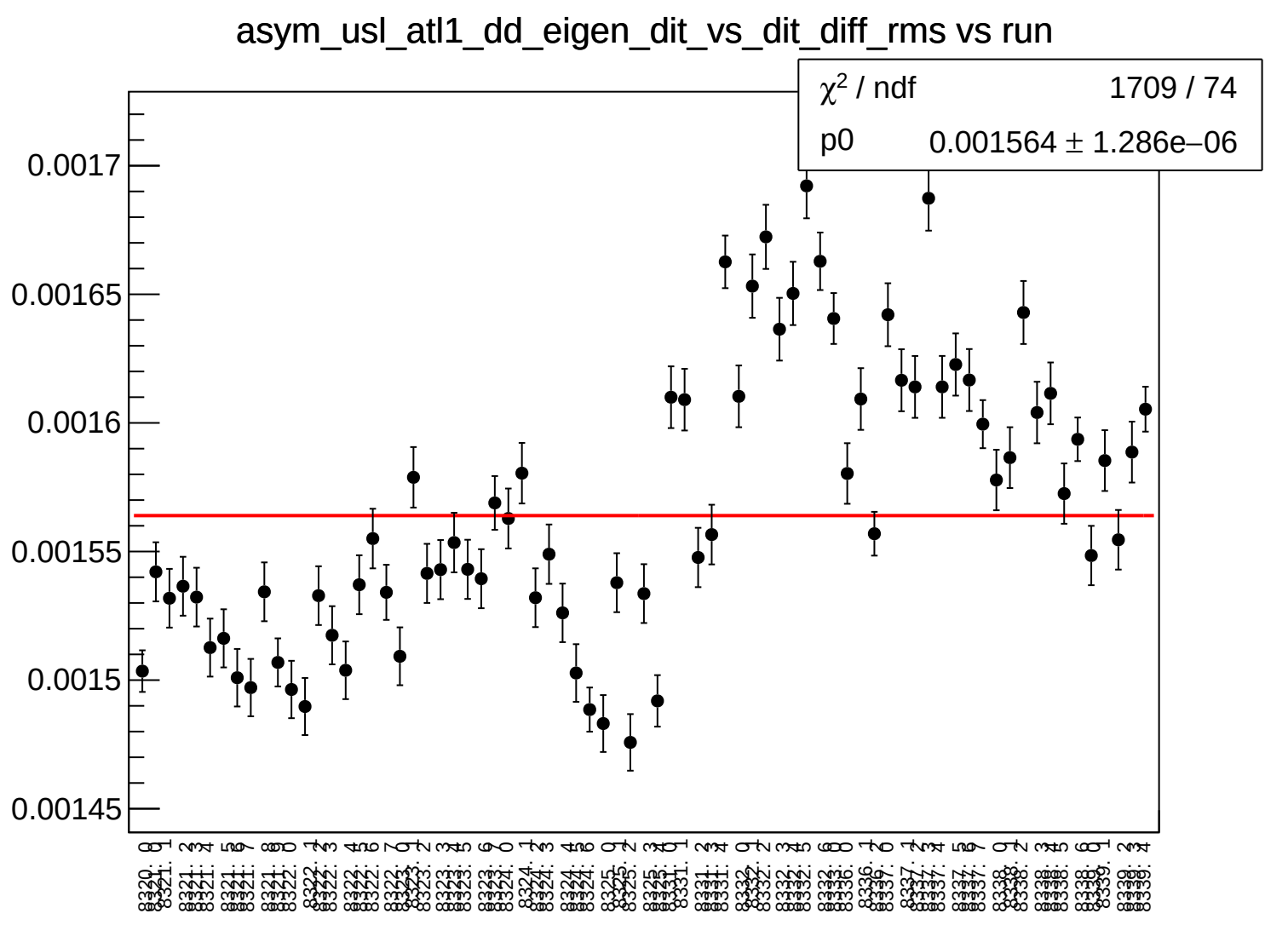

pull1D
Entries 75
Mean −0.0683
Std Dev 1.052

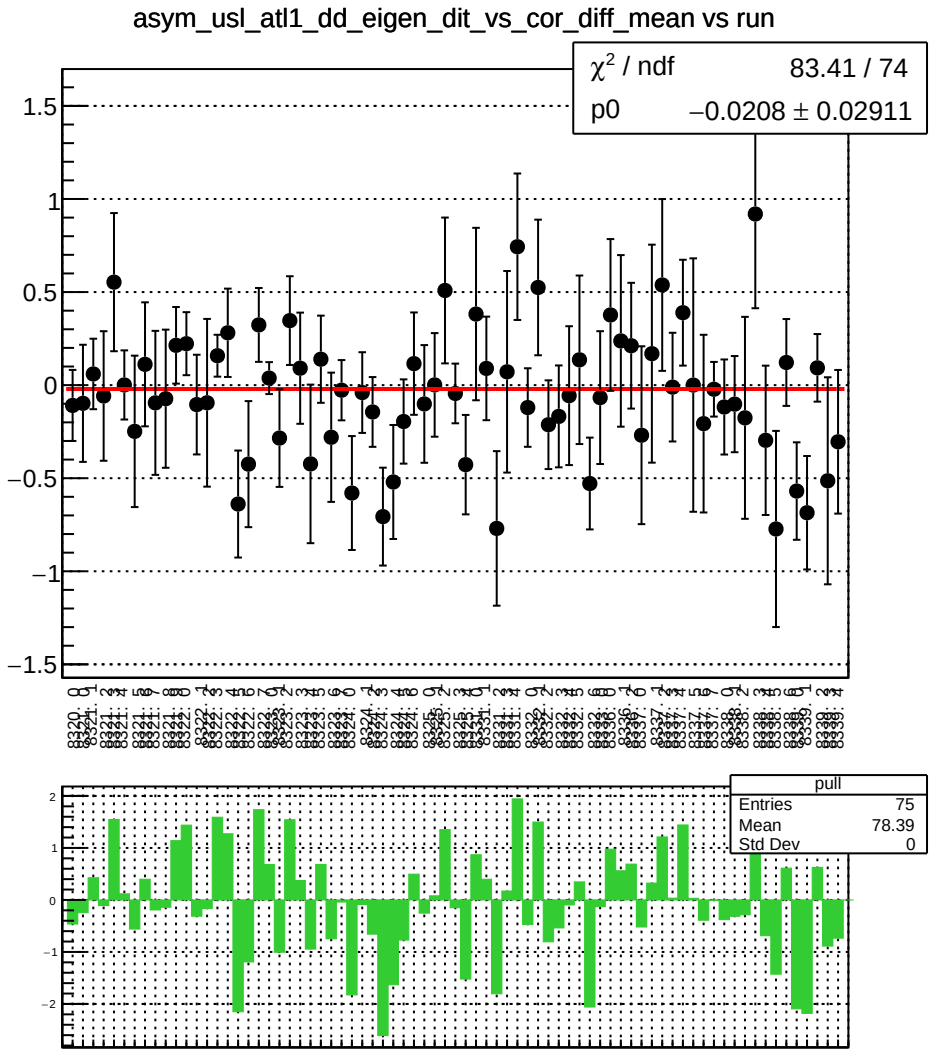

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.527e+05 / 74
p0 22.81 ± 0.02059
70
60
50
40
30
20
10

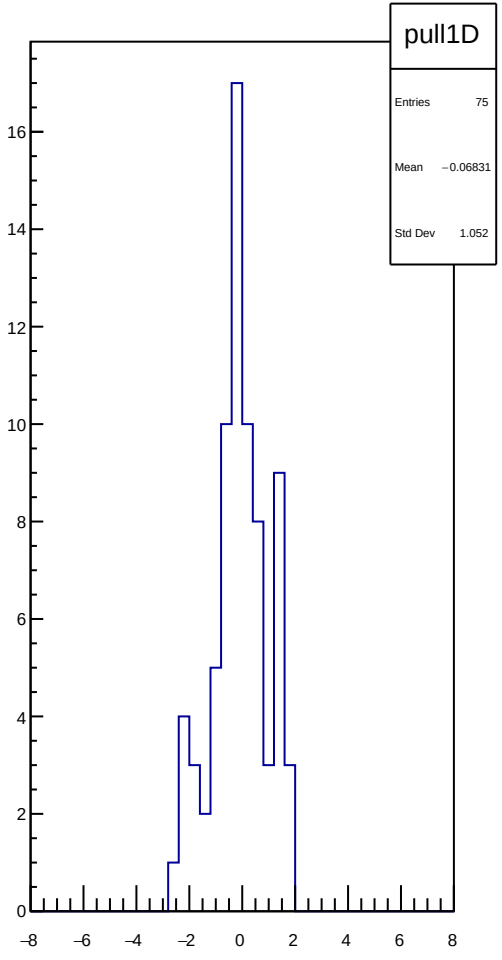

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.41 / 74
p0 −0.02081 ± 0.02911
pull
Entries 75
Mean 78.39
Std Dev 0
pull1D
Entries 75
Mean −0.0683
Std Dev 1.052

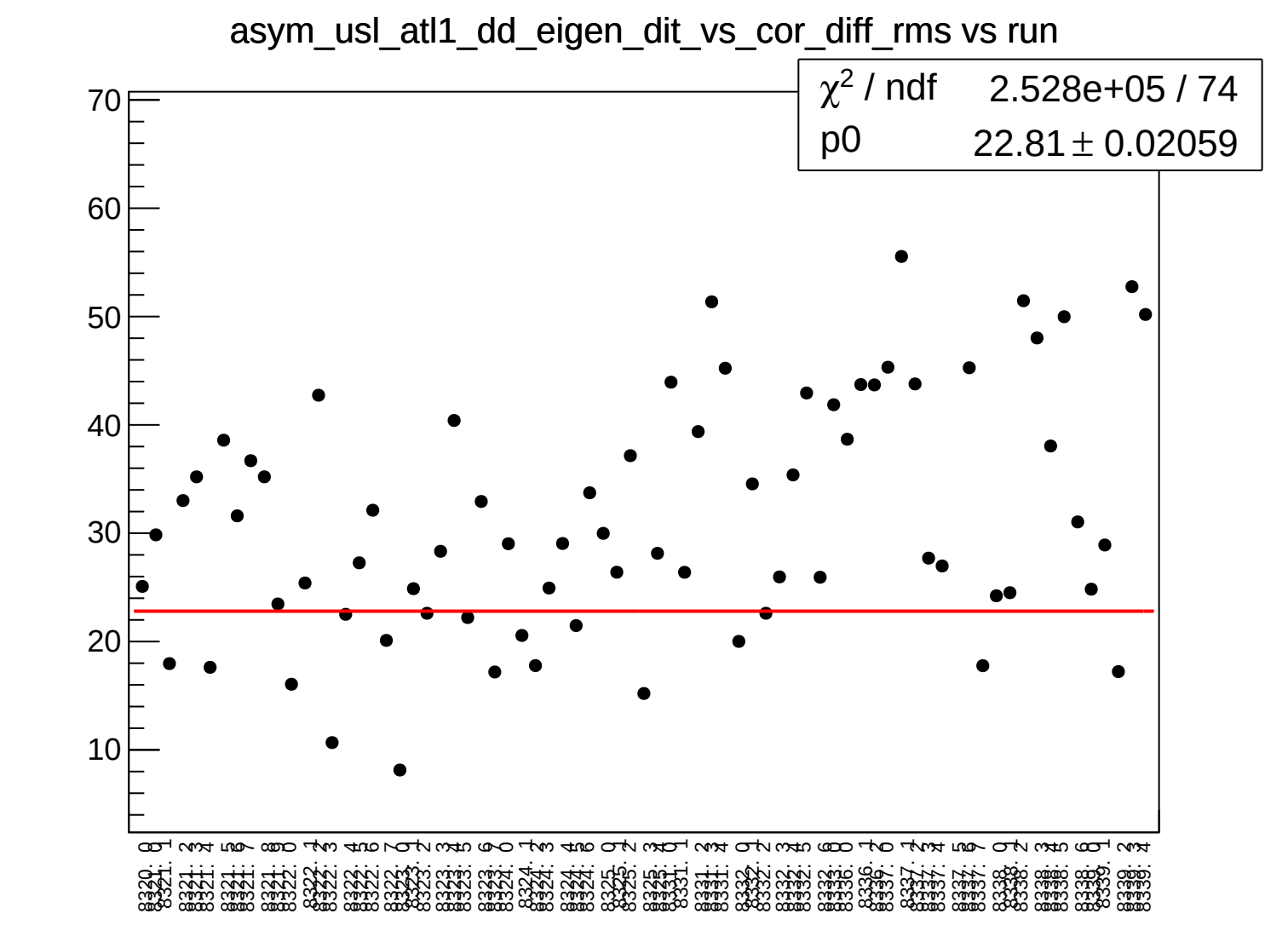

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.527e+05 / 74
p0 22.81 ± 0.02059
70
60
50
40
30
20
10

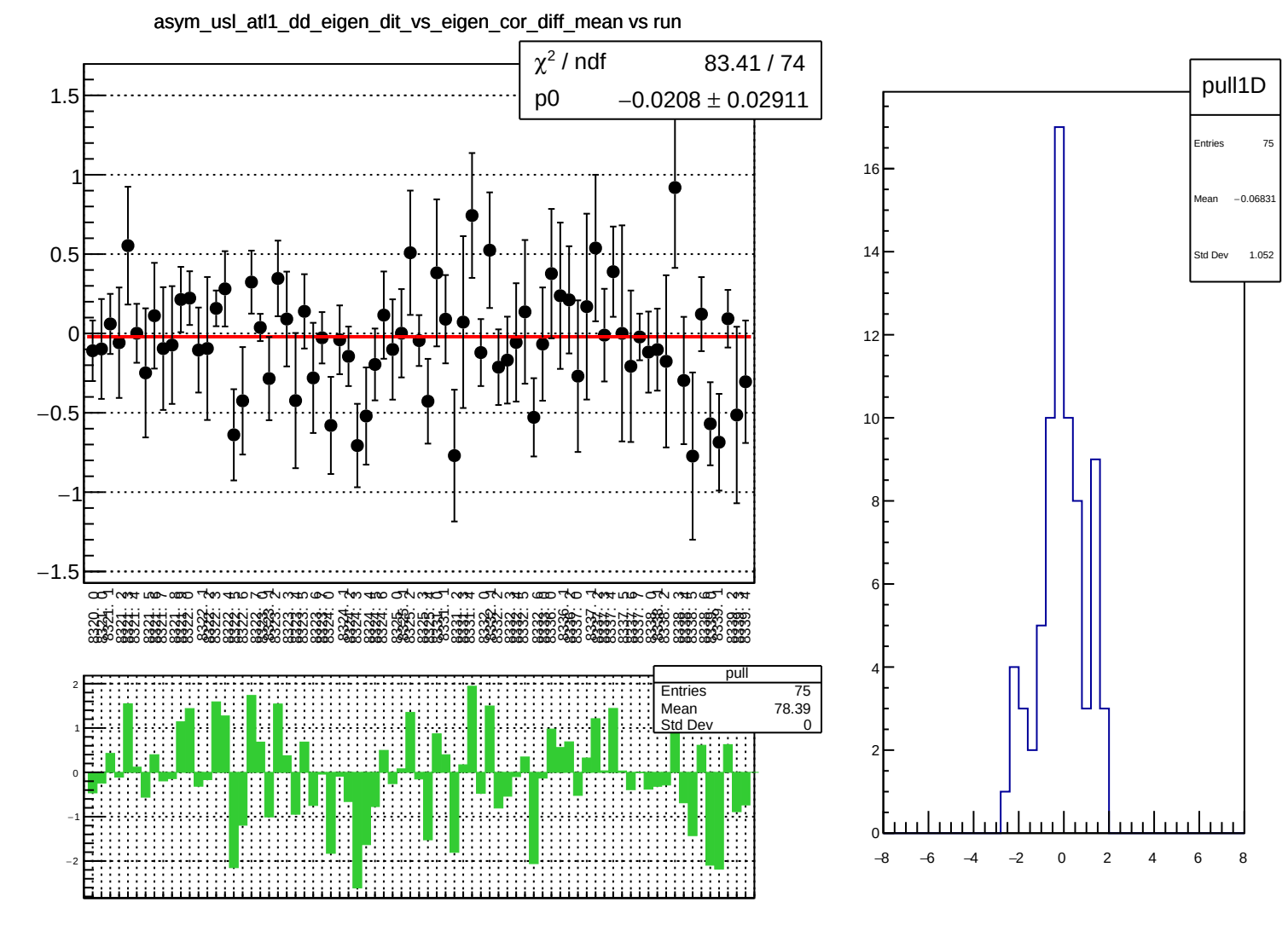

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.05 / 74
p0 8.035e−06 ± 1.819e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 75
Mean −40.63
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.005903
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

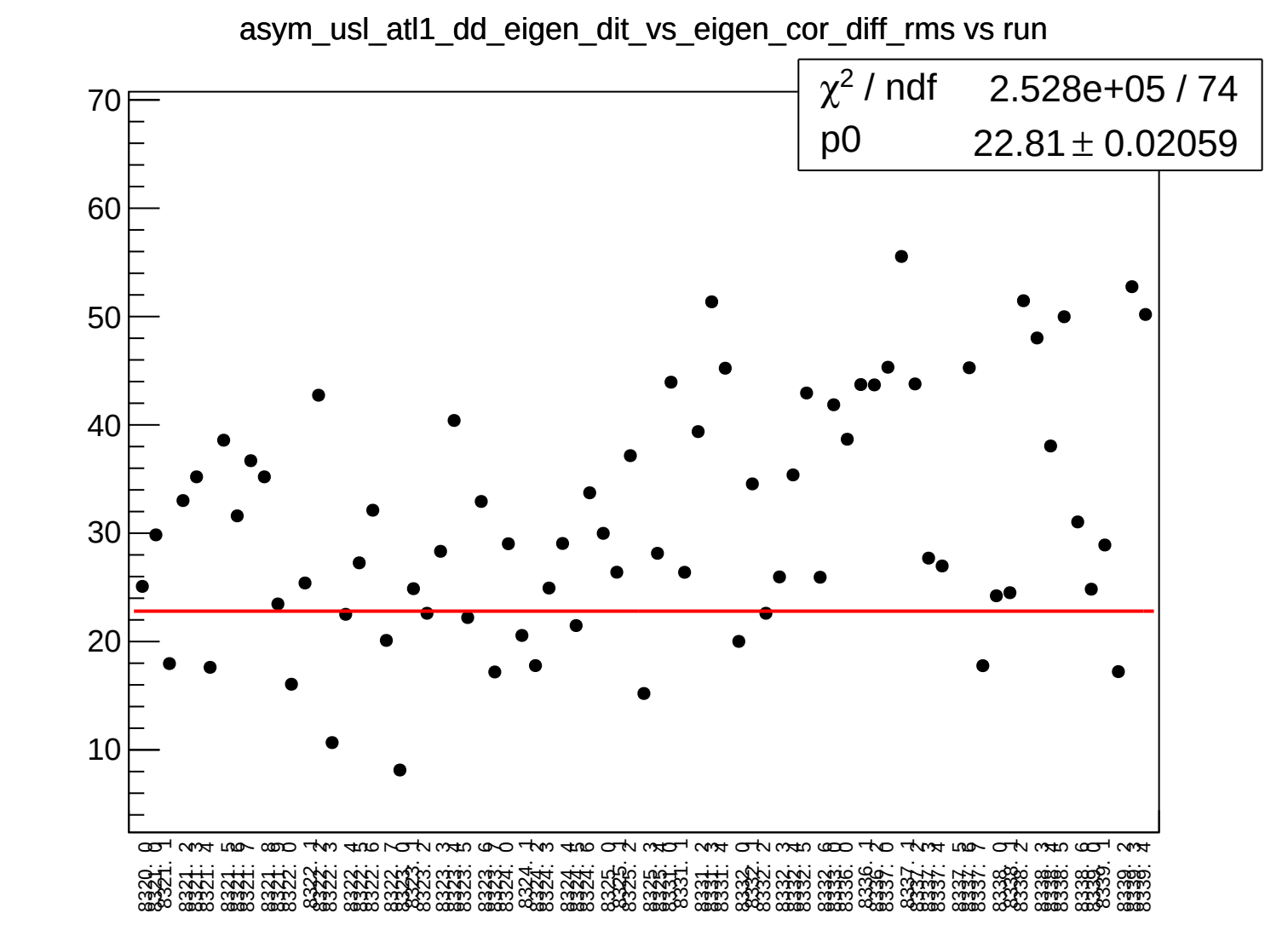

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1709 / 74
p0 0.001564 ± 1.286e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145

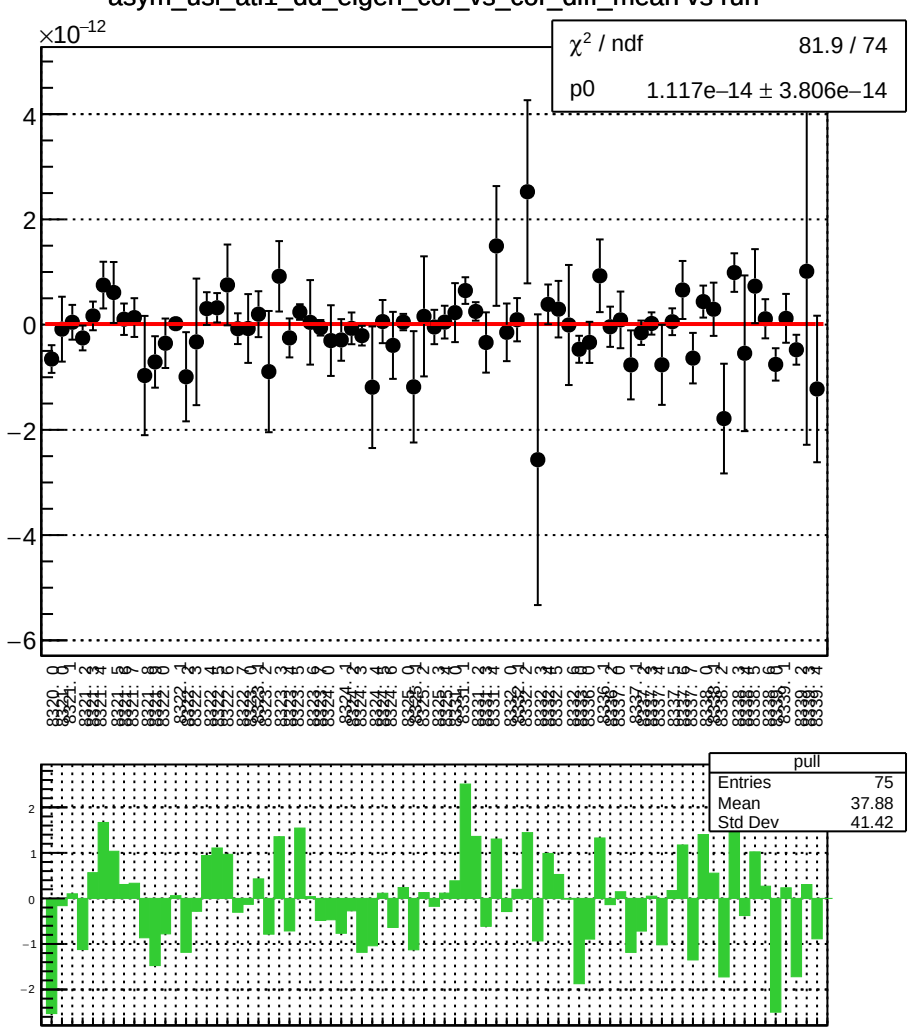

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.41 / 74
p0 −0.0208 ± 0.02911
pull
Entries 75
Mean 78.39
Std Dev 0

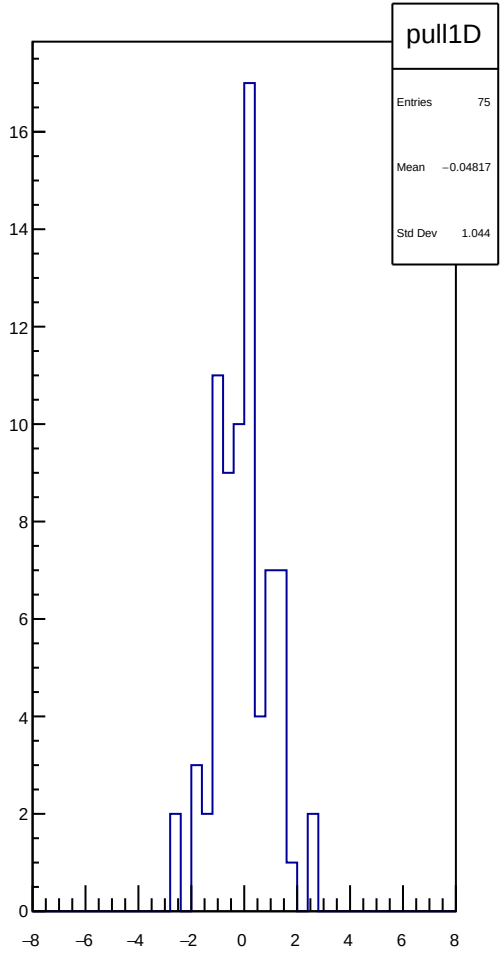

pull1D
Entries 75
Mean −0.06831
Std Dev 1.052

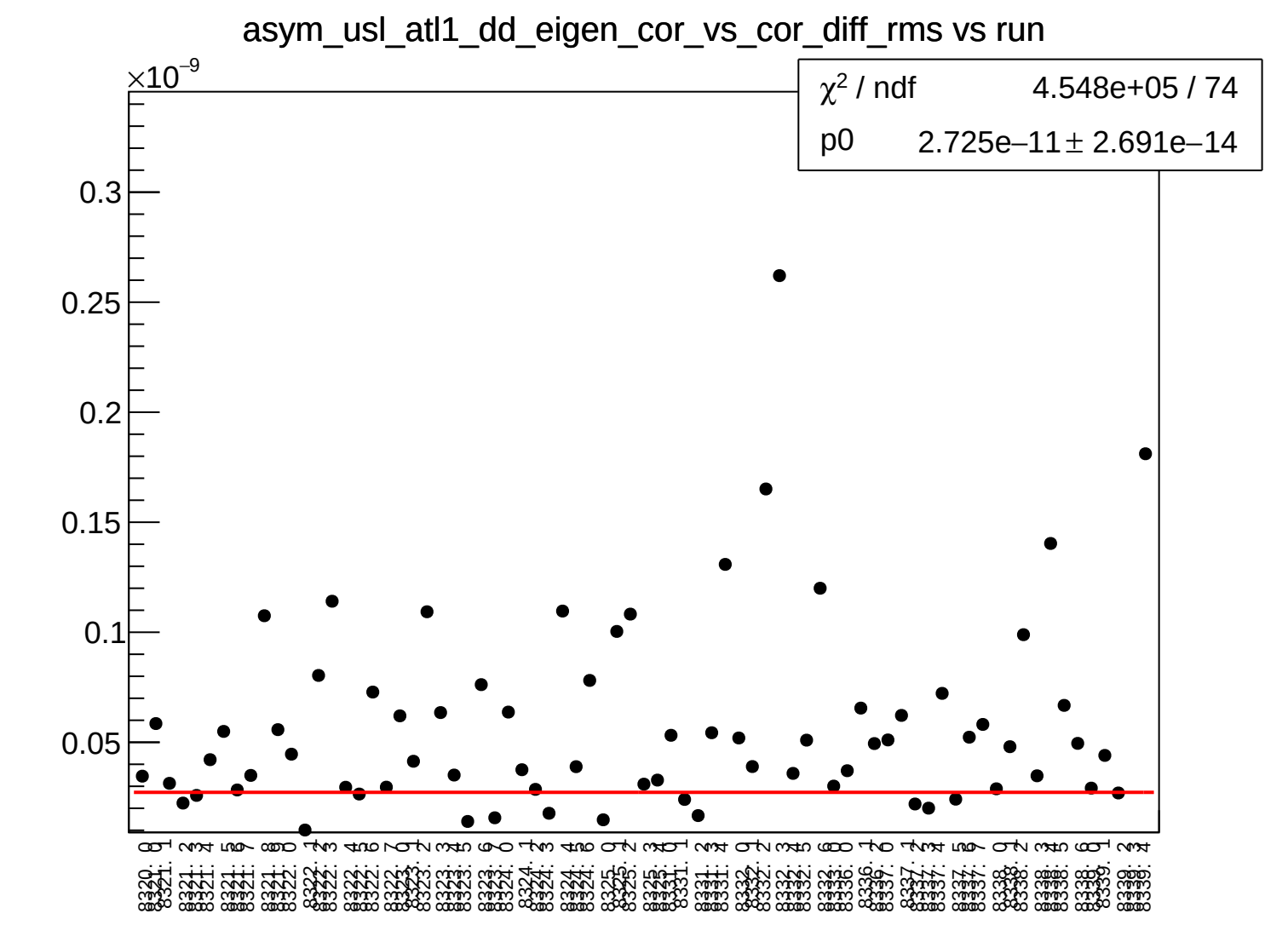

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.528e+05 / 74
p0 22.81 ± 0.02059
70
60
50
40
30
20
10

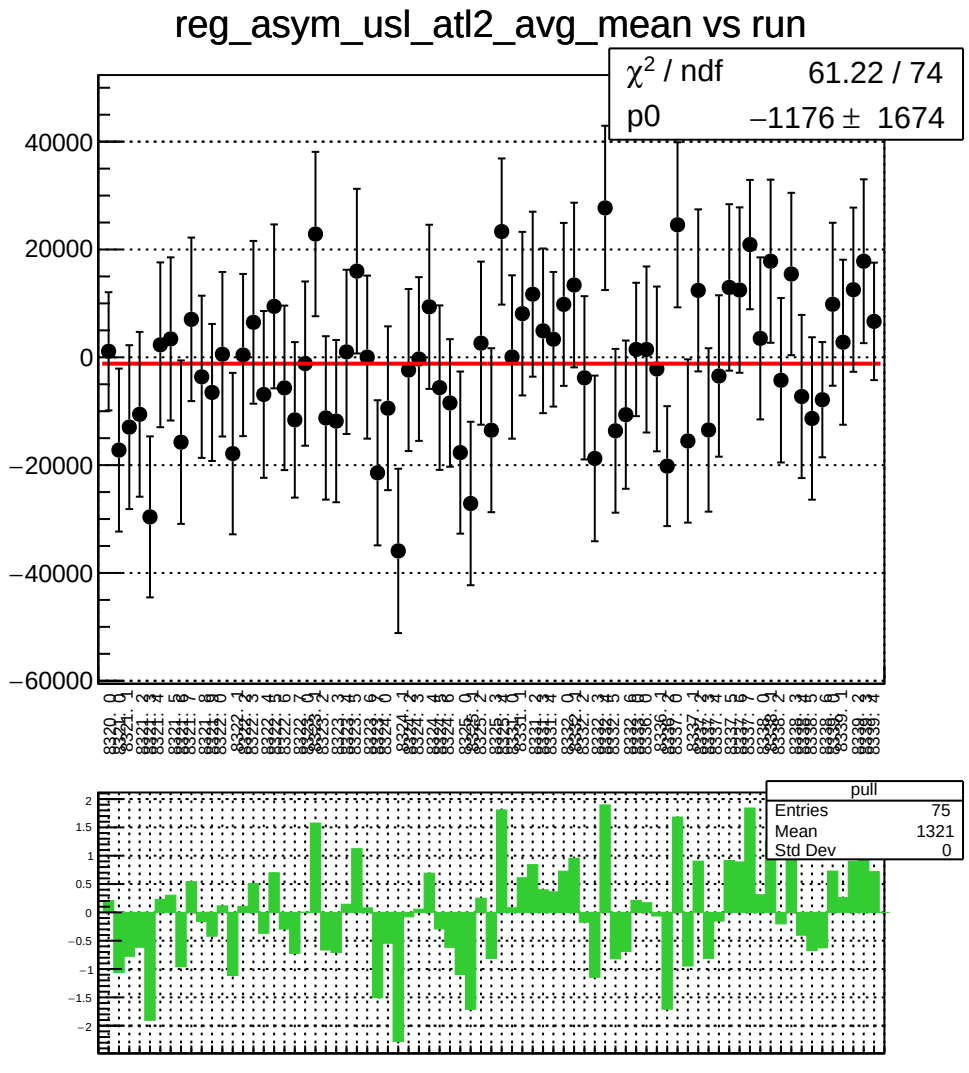

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.41 / 74
p0 −0.0208 ± 0.02911
pull
Entries 75
Mean 78.39
Std Dev 0
pull1D
Entries 75
Mean −0.06831
Std Dev 1.052

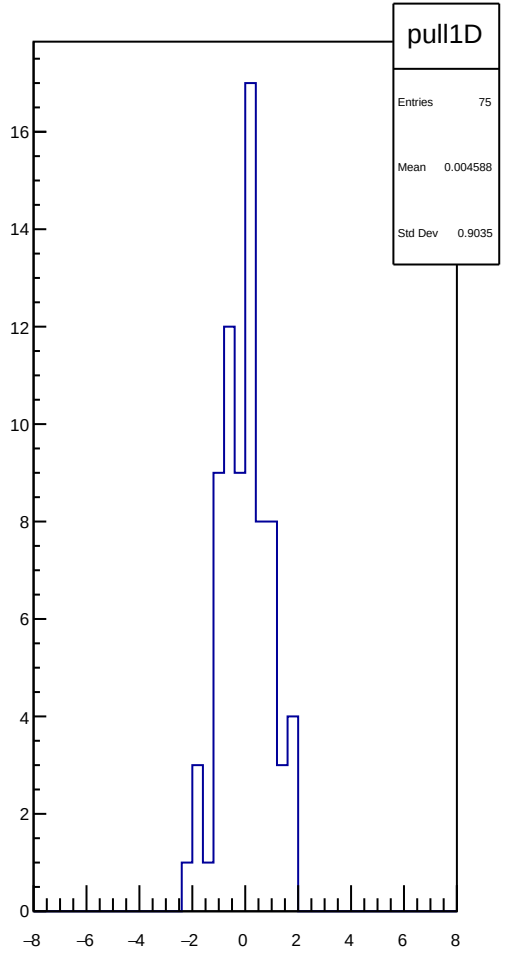

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 2.528e+05 / 74
p0 22.81 ± 0.02059
70
60
50
40
30
20
10

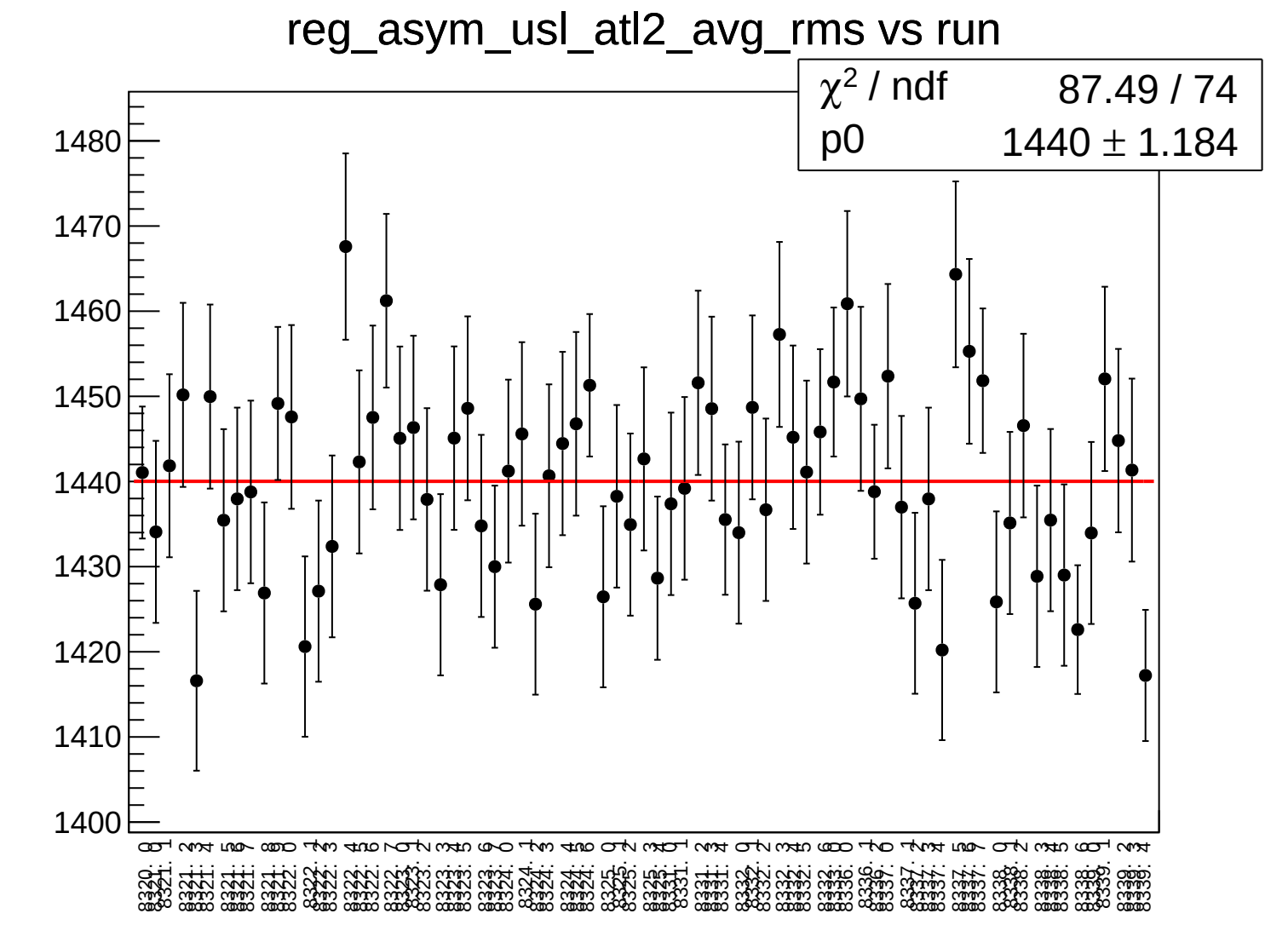

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.9 / 74
p0 1.117e−14 ± 3.806e−14
pull
Entries 75
Mean 37.88
Std Dev 41.42

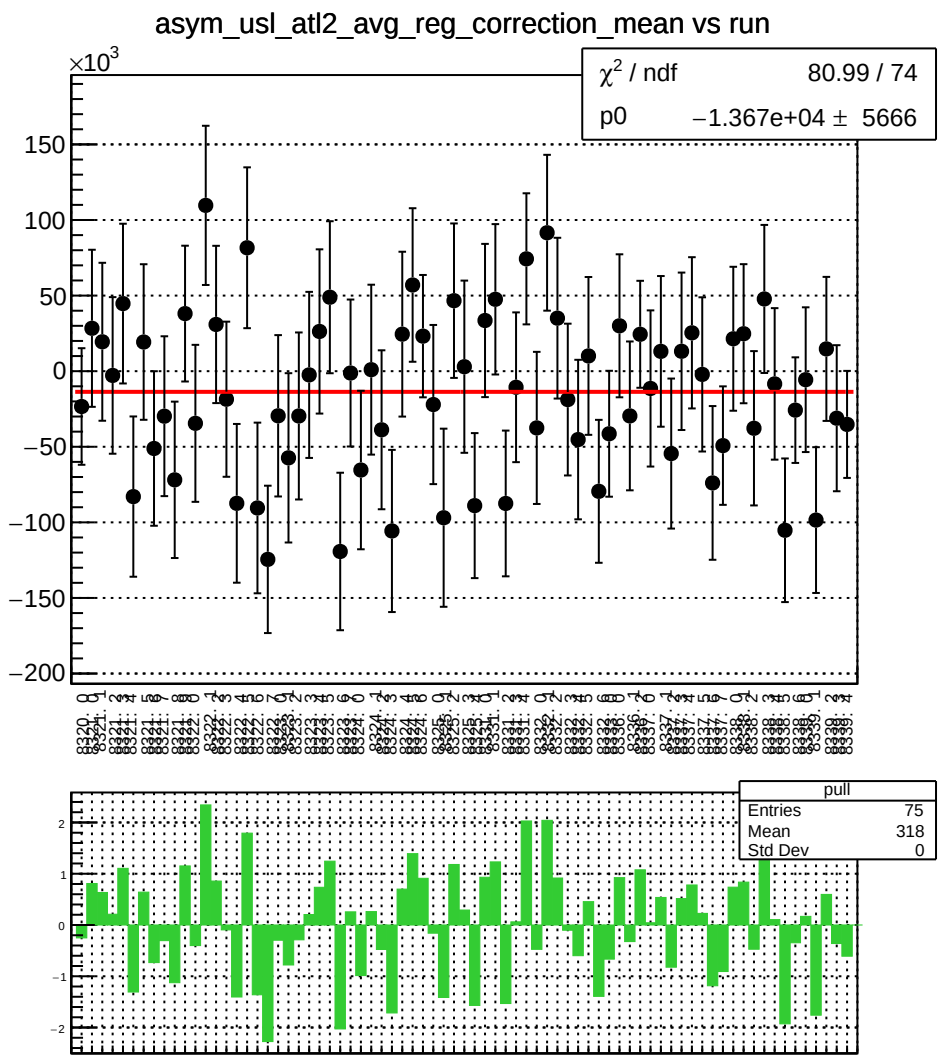

pull1D
Entries 75
Mean −0.04817
Std Dev 1.044

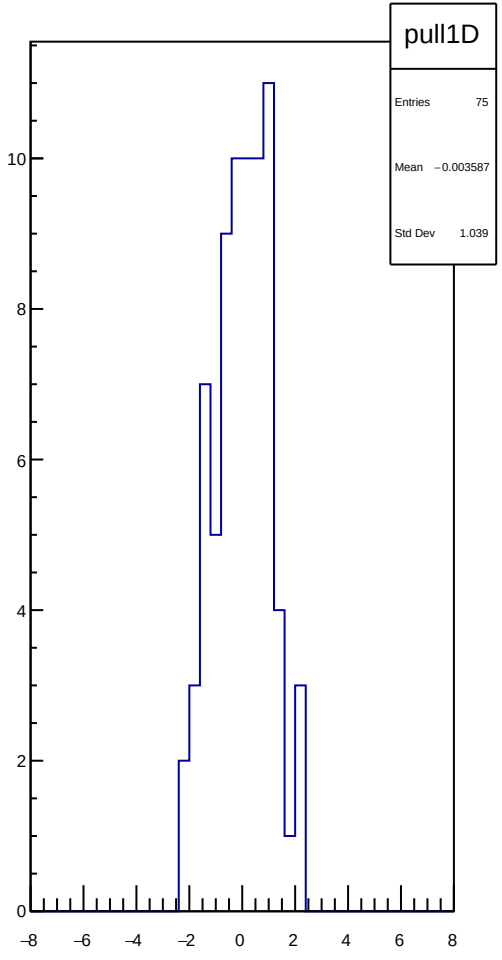

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.548e+05 / 74
p0 2.725e−11 ± 2.691e−14
0.3
0.25
0.2
0.15
0.1
0.05

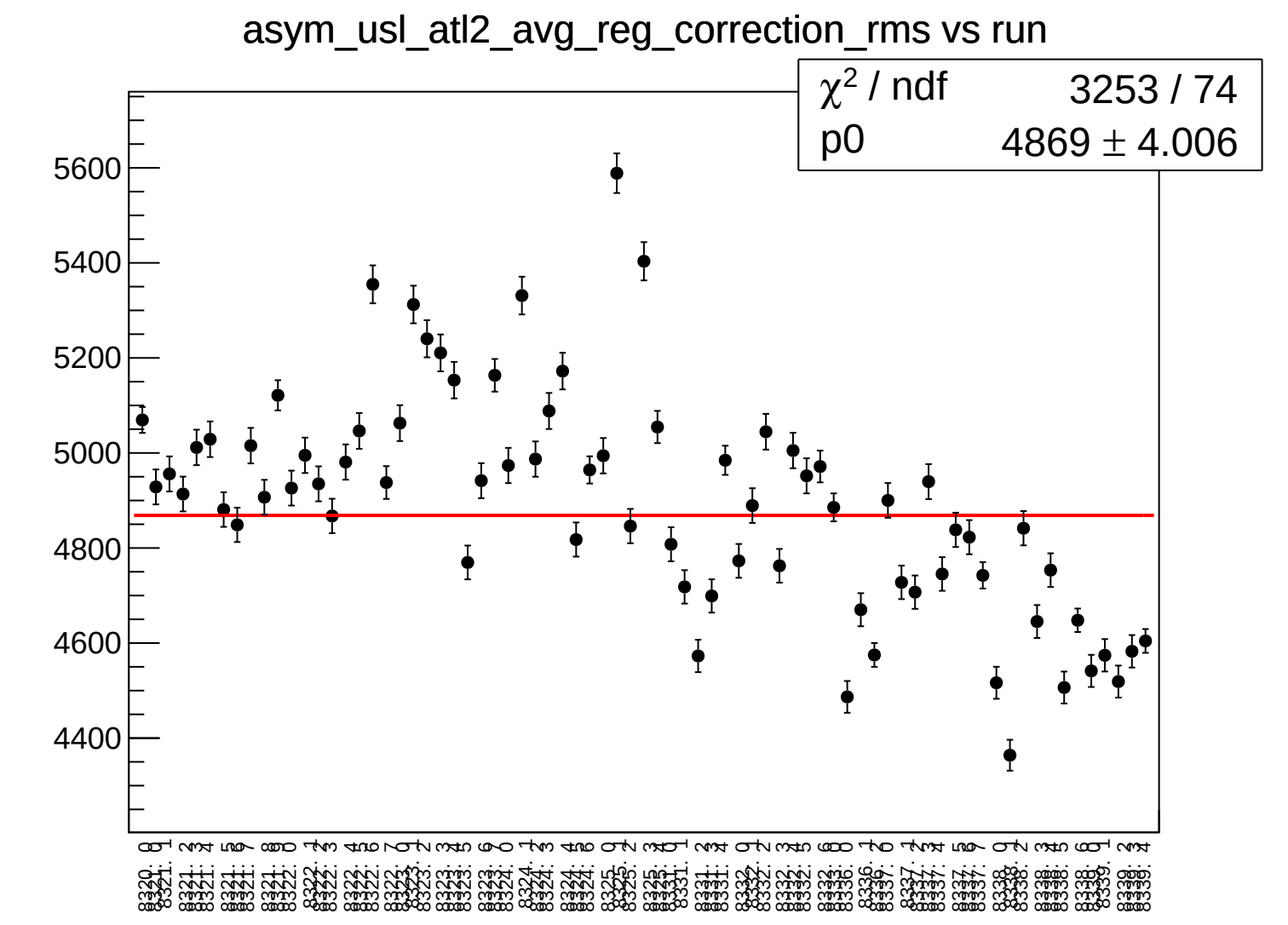

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.22 / 74
p0 −1176 ± 1674
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1321
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

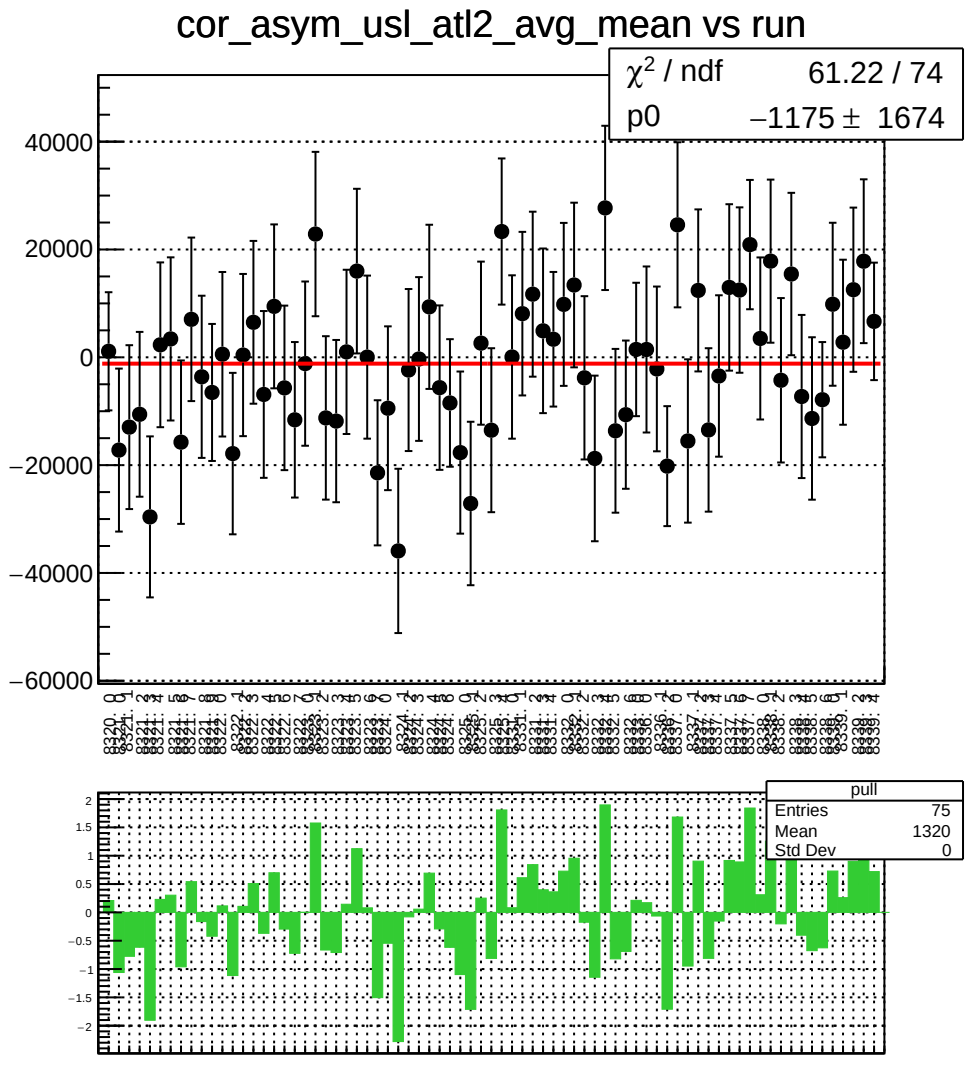

pull1D
Entries 75
Mean 0.004588
Std Dev 0.9035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

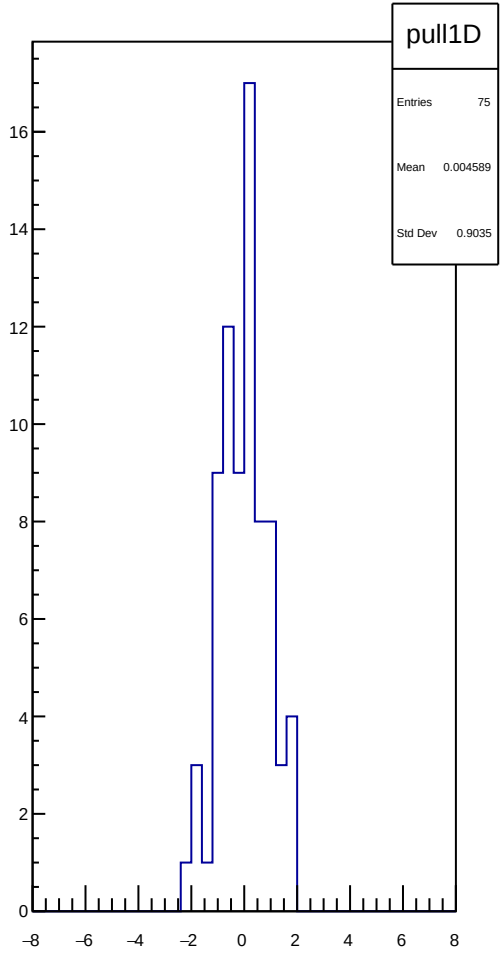

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 87.49 / 74
p0 1440 ± 1.184
1480
1470
1460
1450
1440
1430
1420
1410
1400

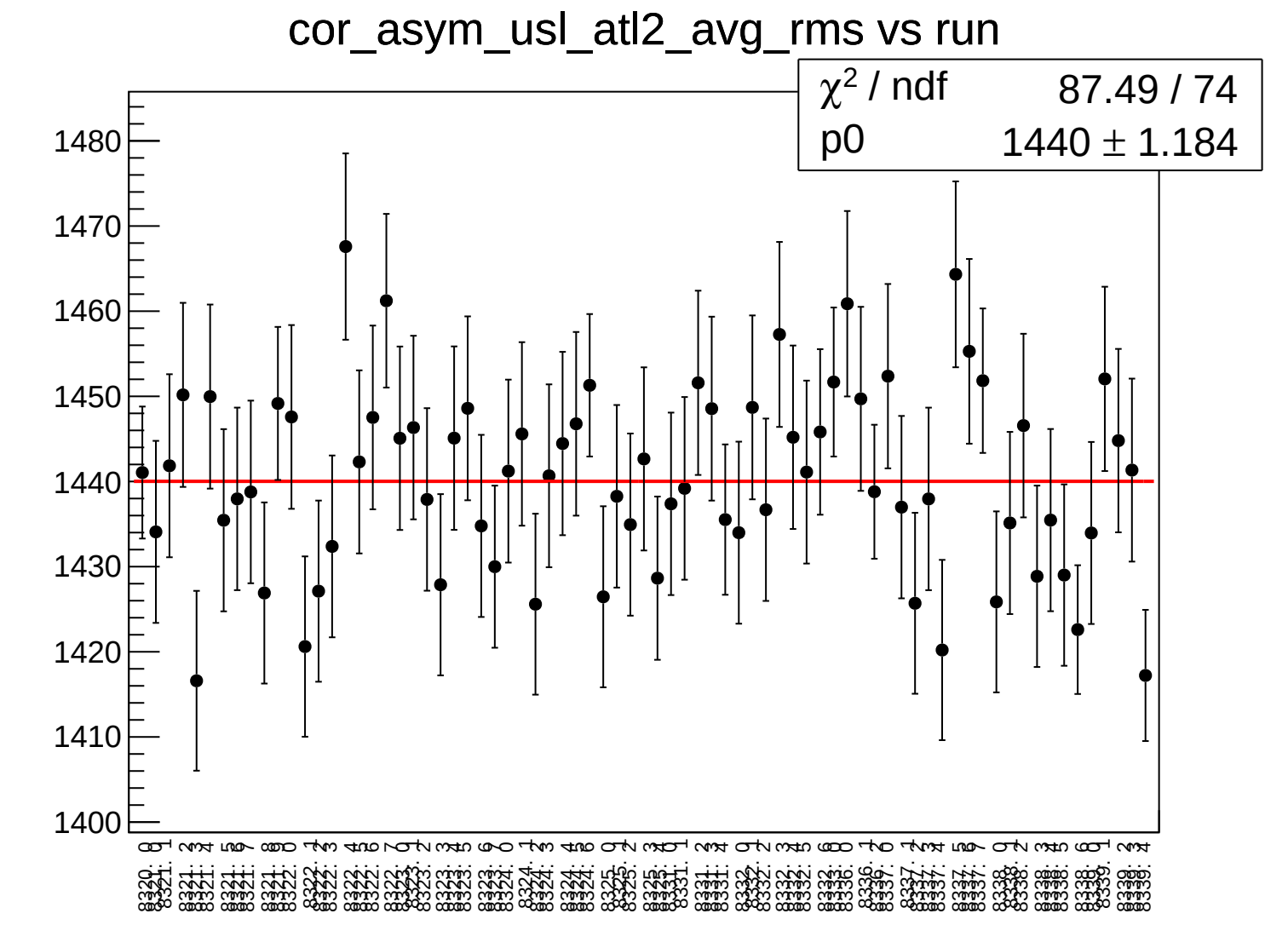

asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 80.99 / 74
p0 −1.367e+04 ± 5666
pull
Entries 75
Mean 318
Std Dev 0

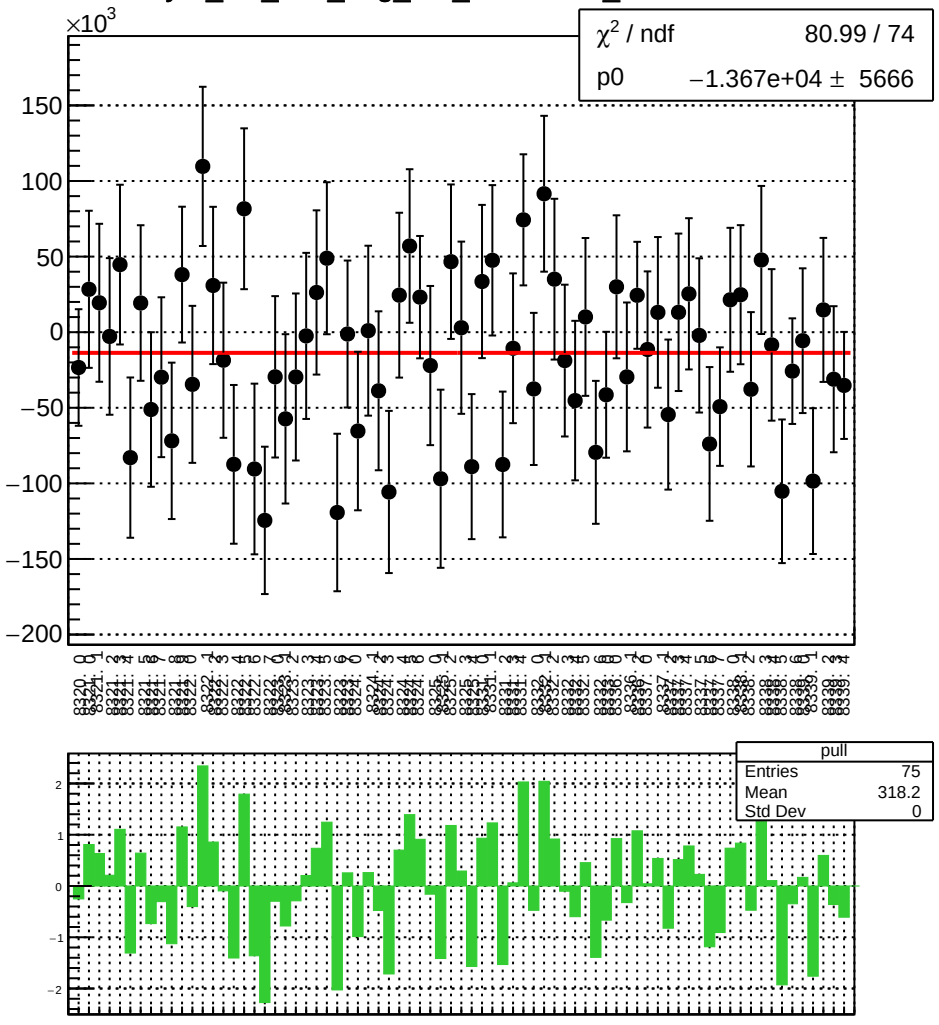

pull1D
Entries 75
Mean −0.003587
Std Dev 1.039

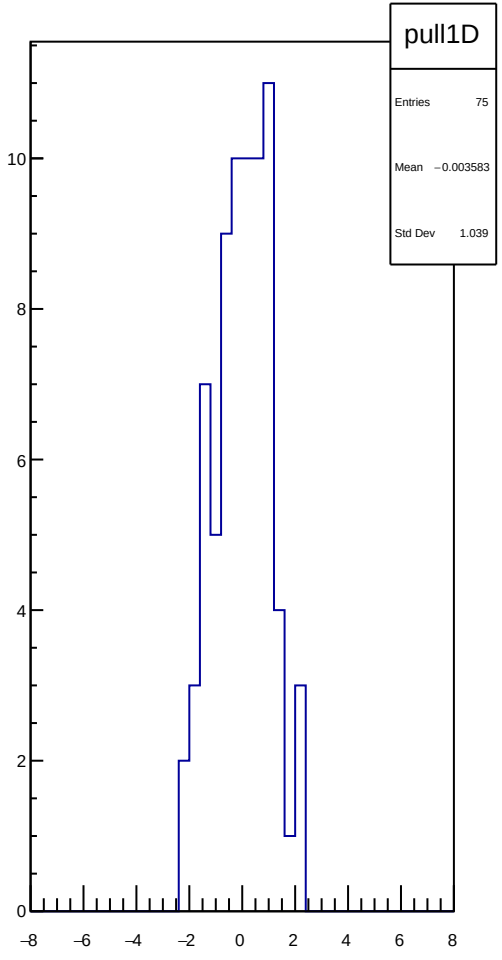

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 3253 / 74
p0 4869 ± 4.006
5600
5400
5200
5000
4800
4600
4400

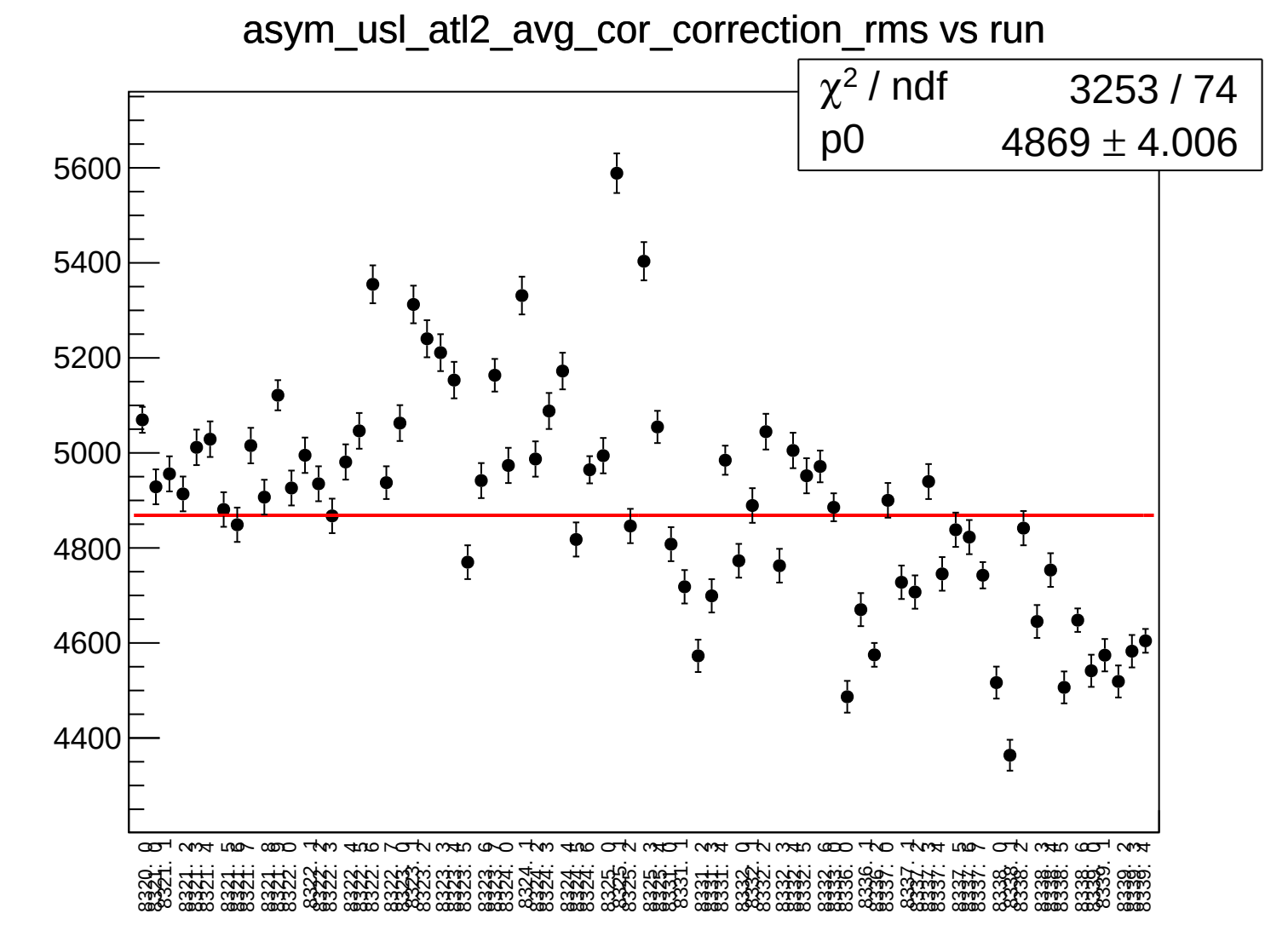

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.22 / 74
p0 −1175 ± 1674
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1320
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

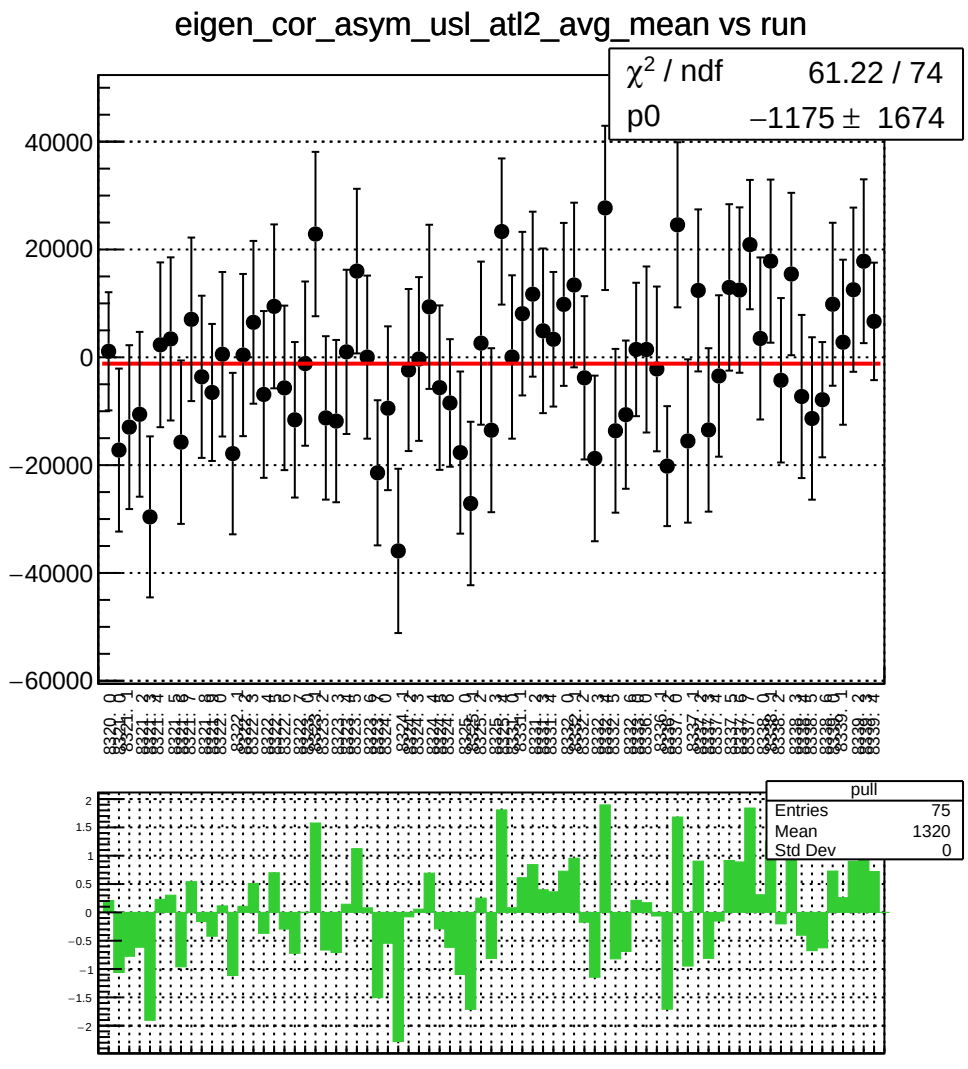

pull1D
Entries 75
Mean 0.004589
Std Dev 0.9035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

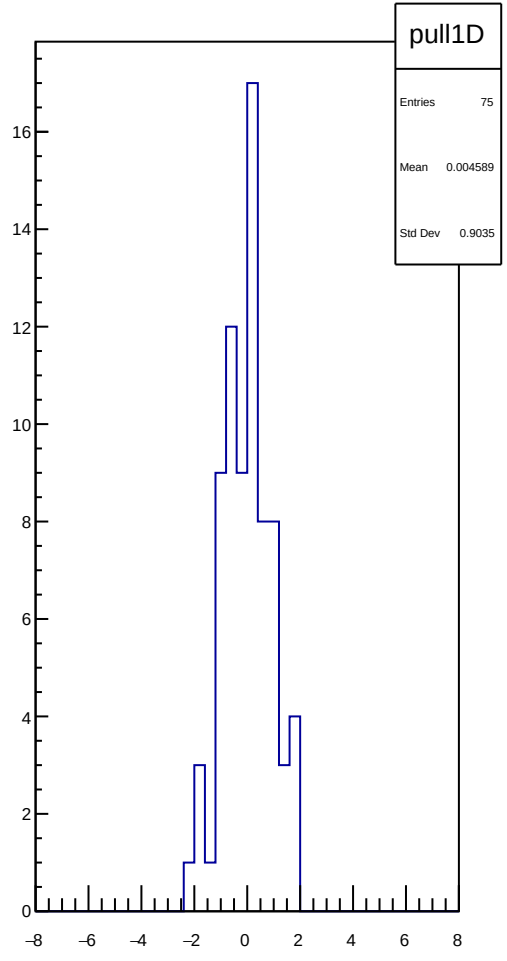

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 87.49 / 74
p0 1440 ± 1.184
1480
1470
1460
1450
1440
1430
1420
1410
1400


asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 80.99 / 74
p0 −1.367e+04 ± 5666
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 318.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.003583
Std Dev 1.039
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 3253 / 74
p0 4869 ± 4.006
5600
5400
5200
5000
4800
4600
4400


eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 61.22 / 74
p0 −1175 ± 1674
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1320
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 75
Mean 0.004589
Std Dev 0.9035
16
14
12
10
8
6
4
2
0
−8
−6
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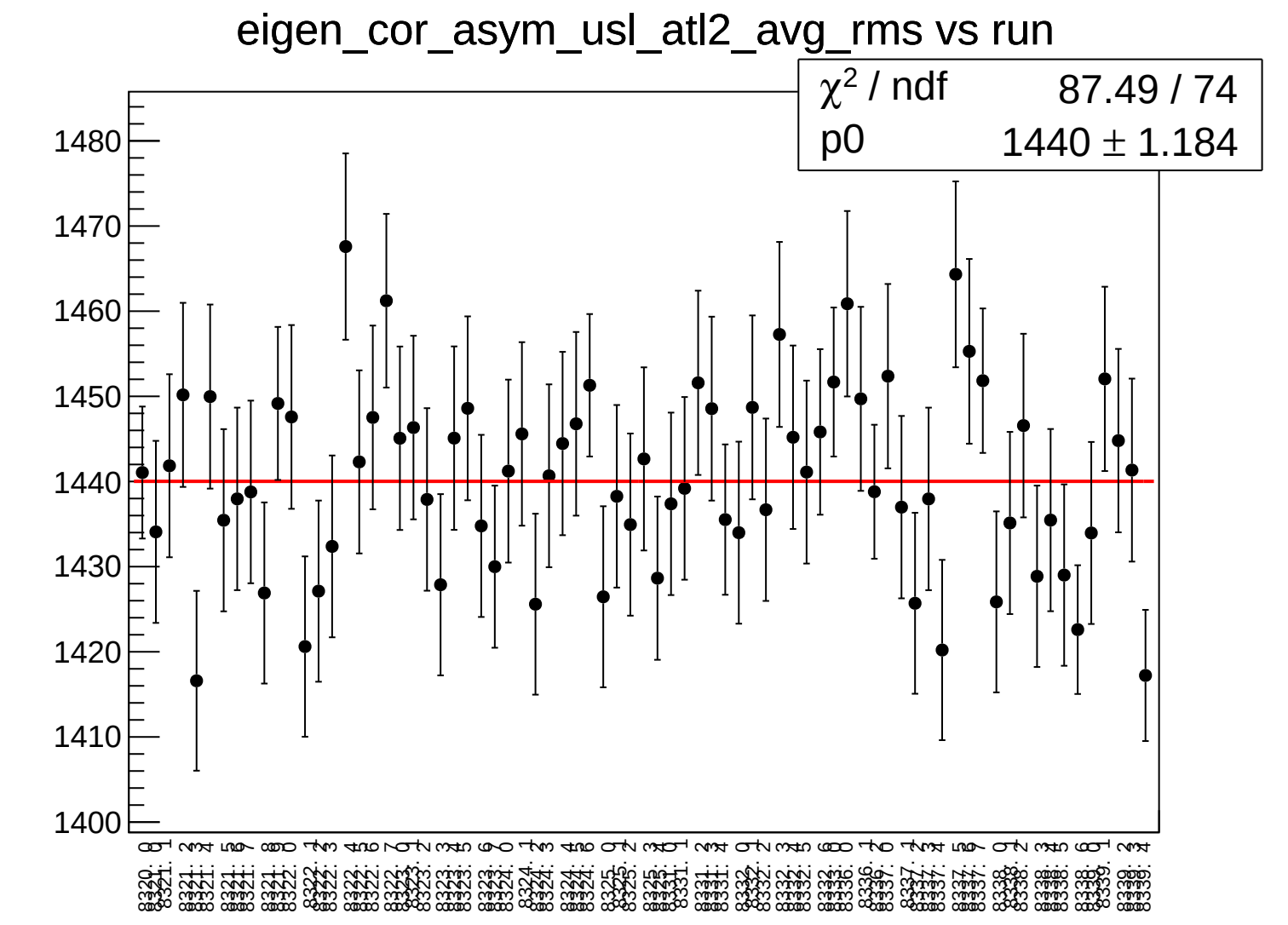
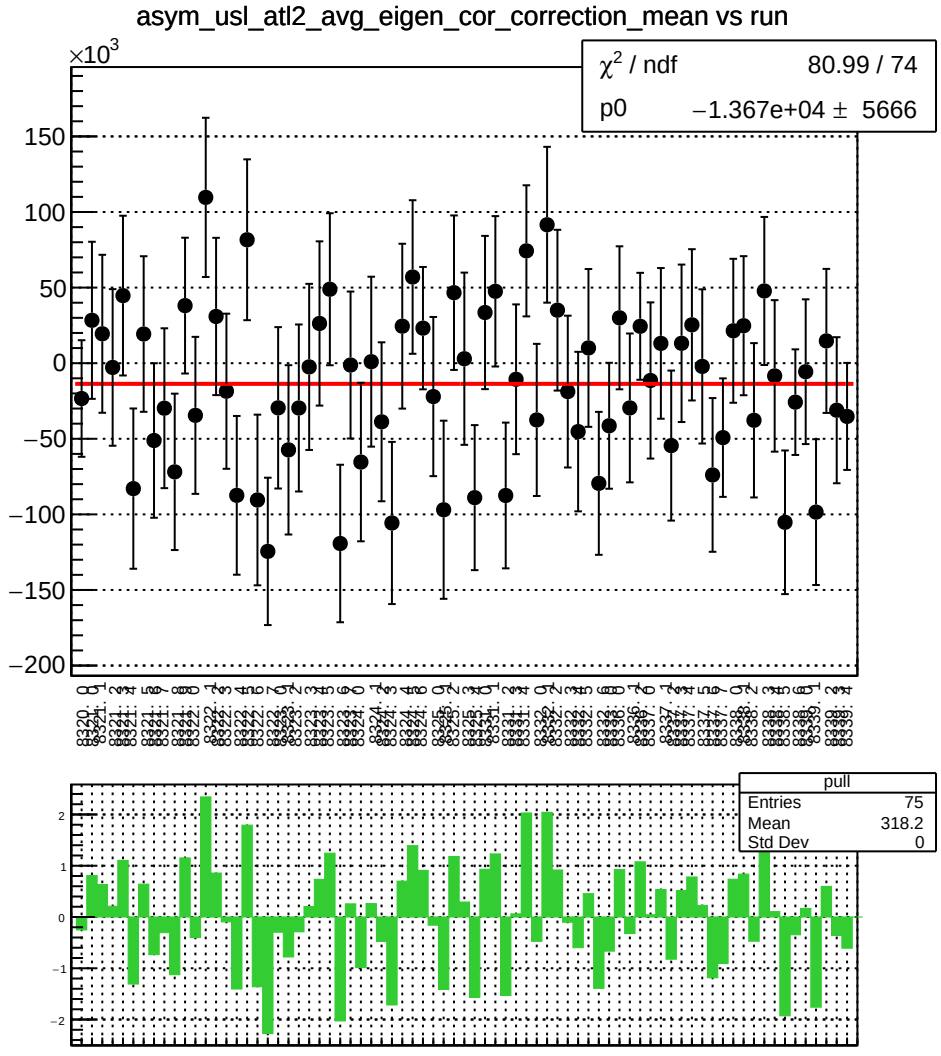
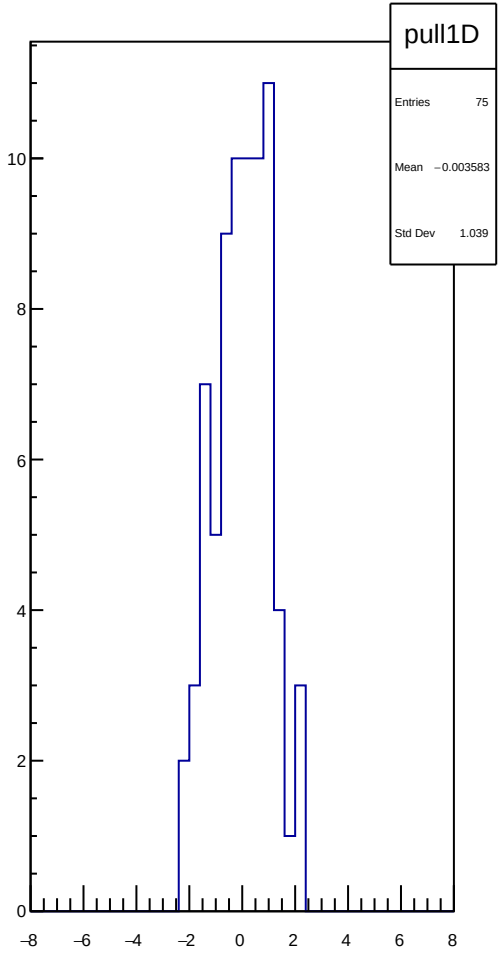
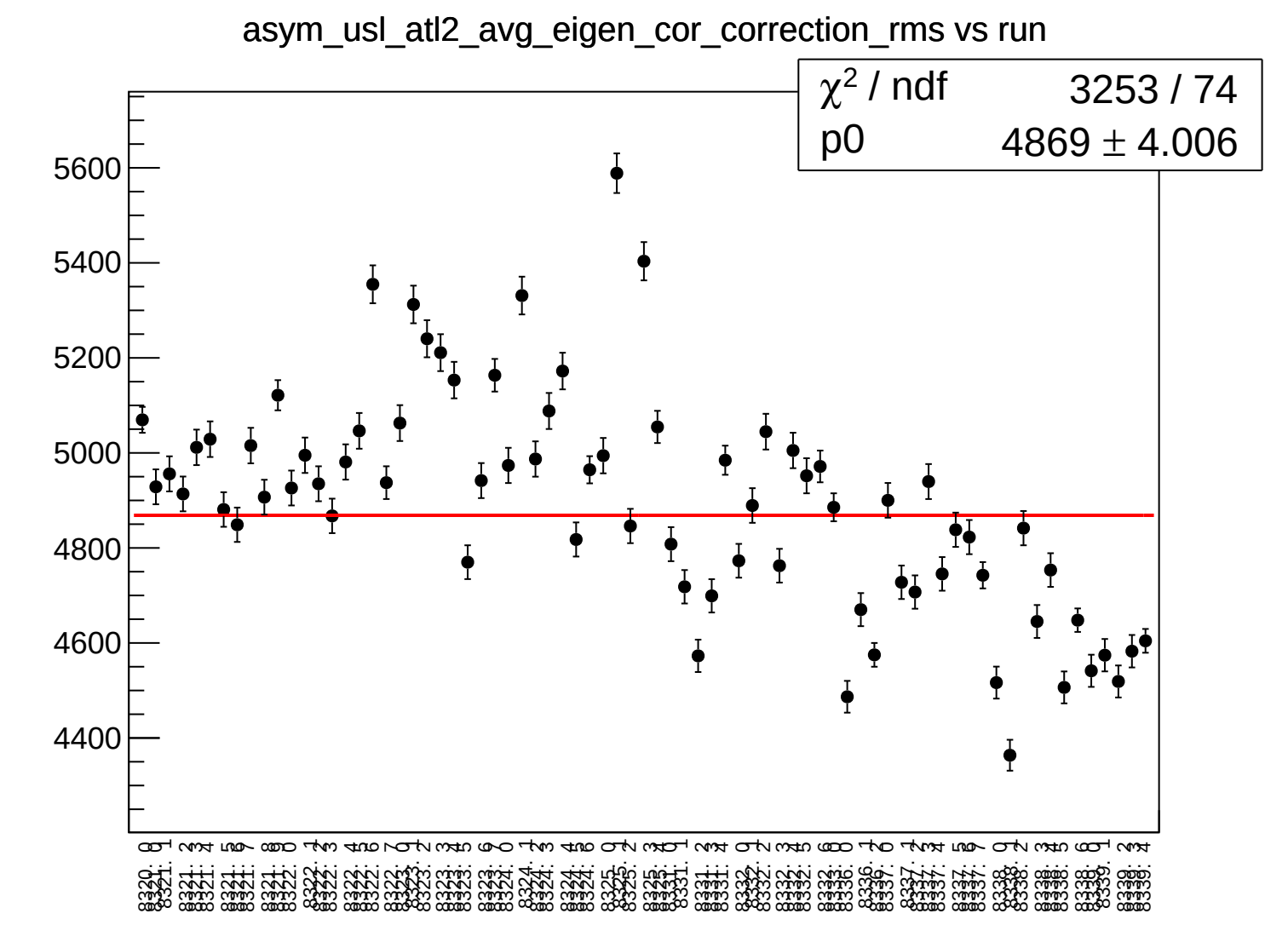
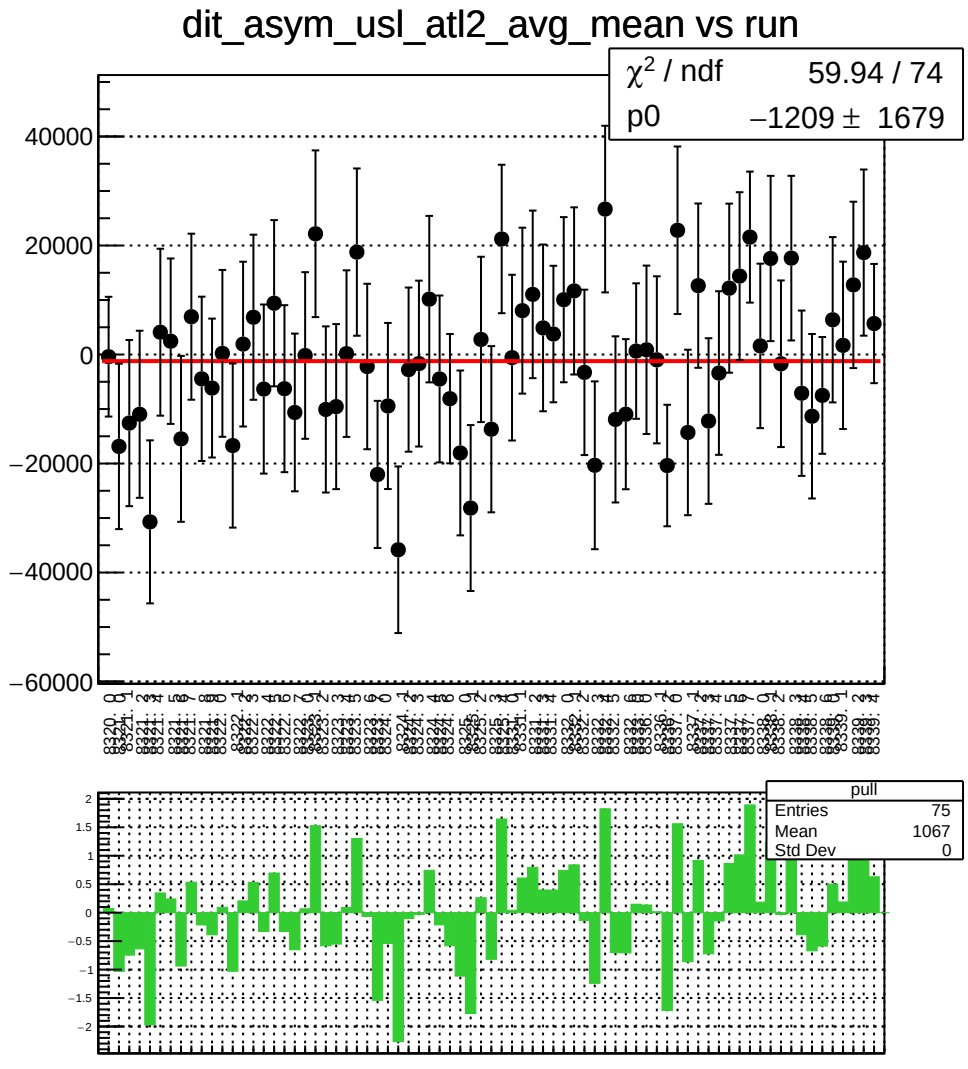
2
4
6
8

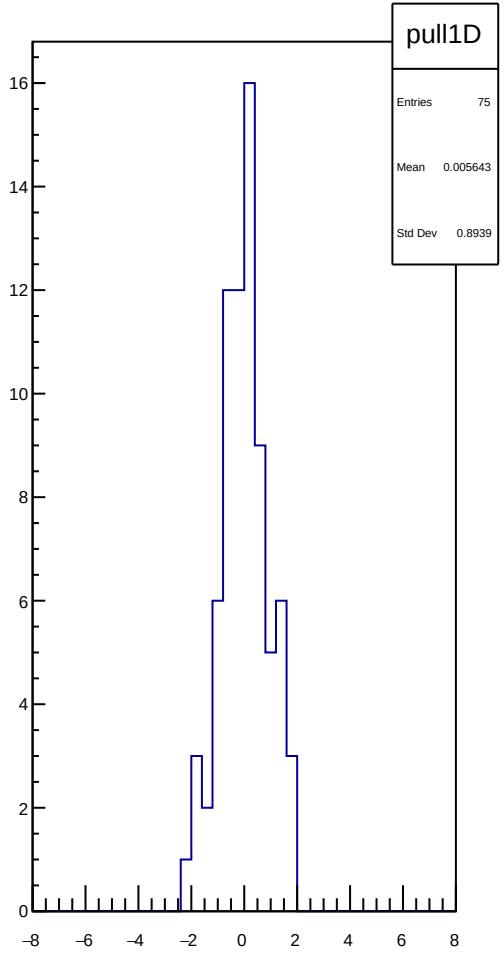

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 87.49 / 74
p0 1440 ± 1.184
1480
1470
1460
1450
1440
1430
1420
1410
1400

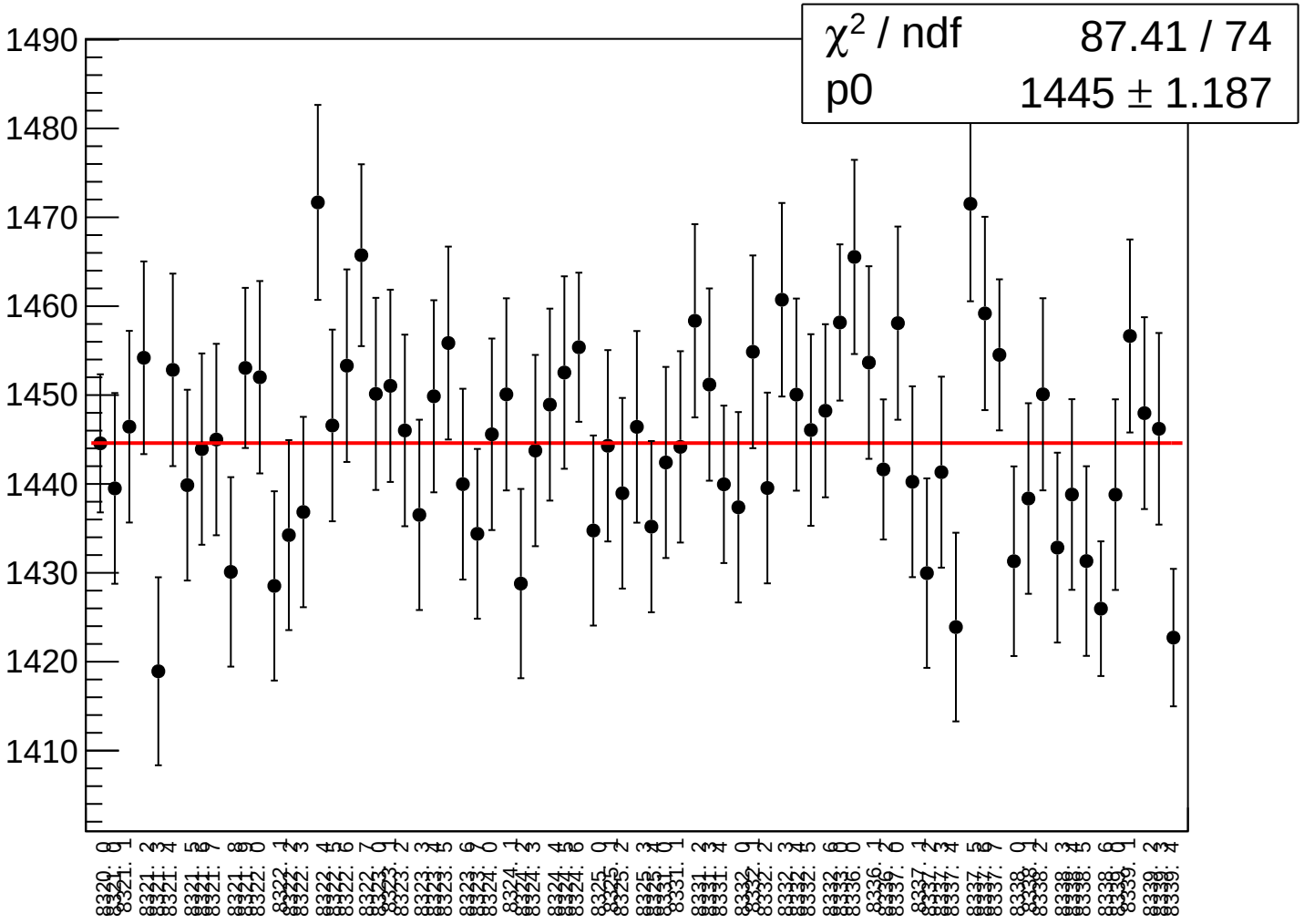

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 80.99 / 74
p0 −1.367e+04 ± 5666
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 318.2
Std Dev 0
2
1
0
−1
−2

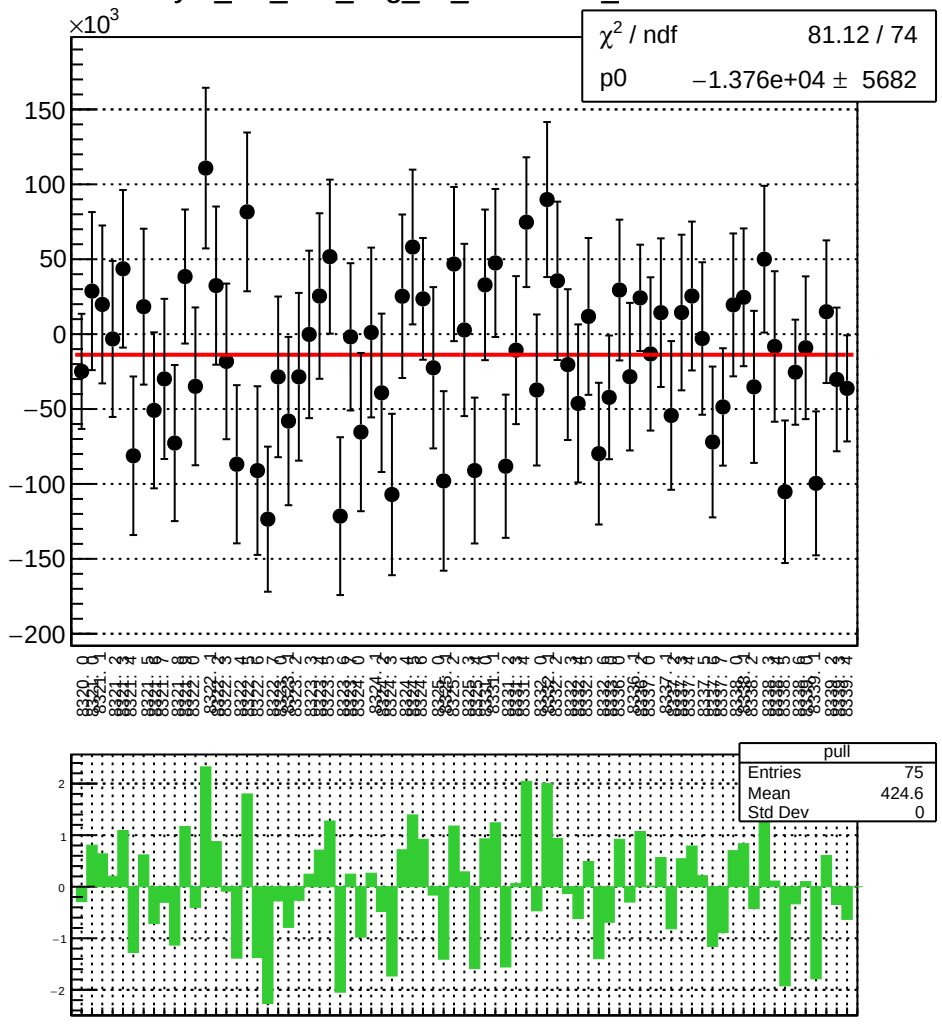

pull1D
Entries 75
Mean −0.003583
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

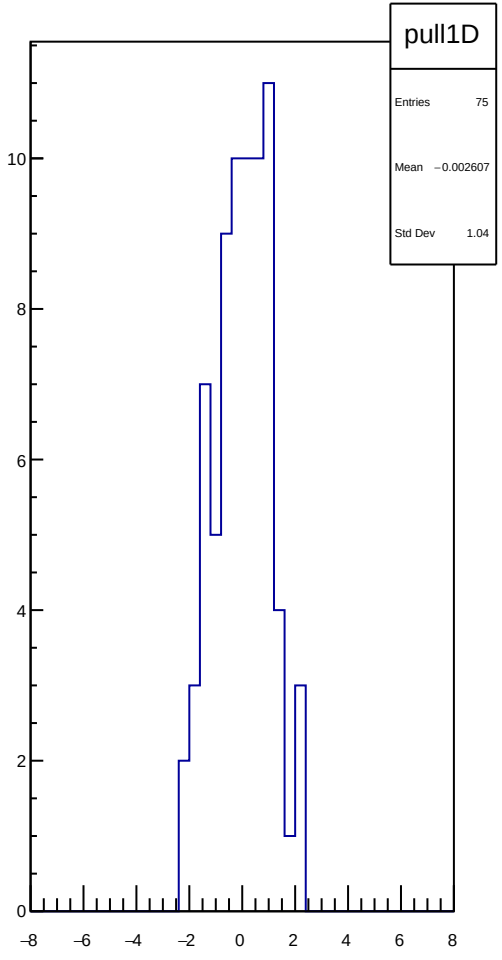

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 3253 / 74
p0 4869 ± 4.006
5600
5400
5200
5000
4800
4600
4400

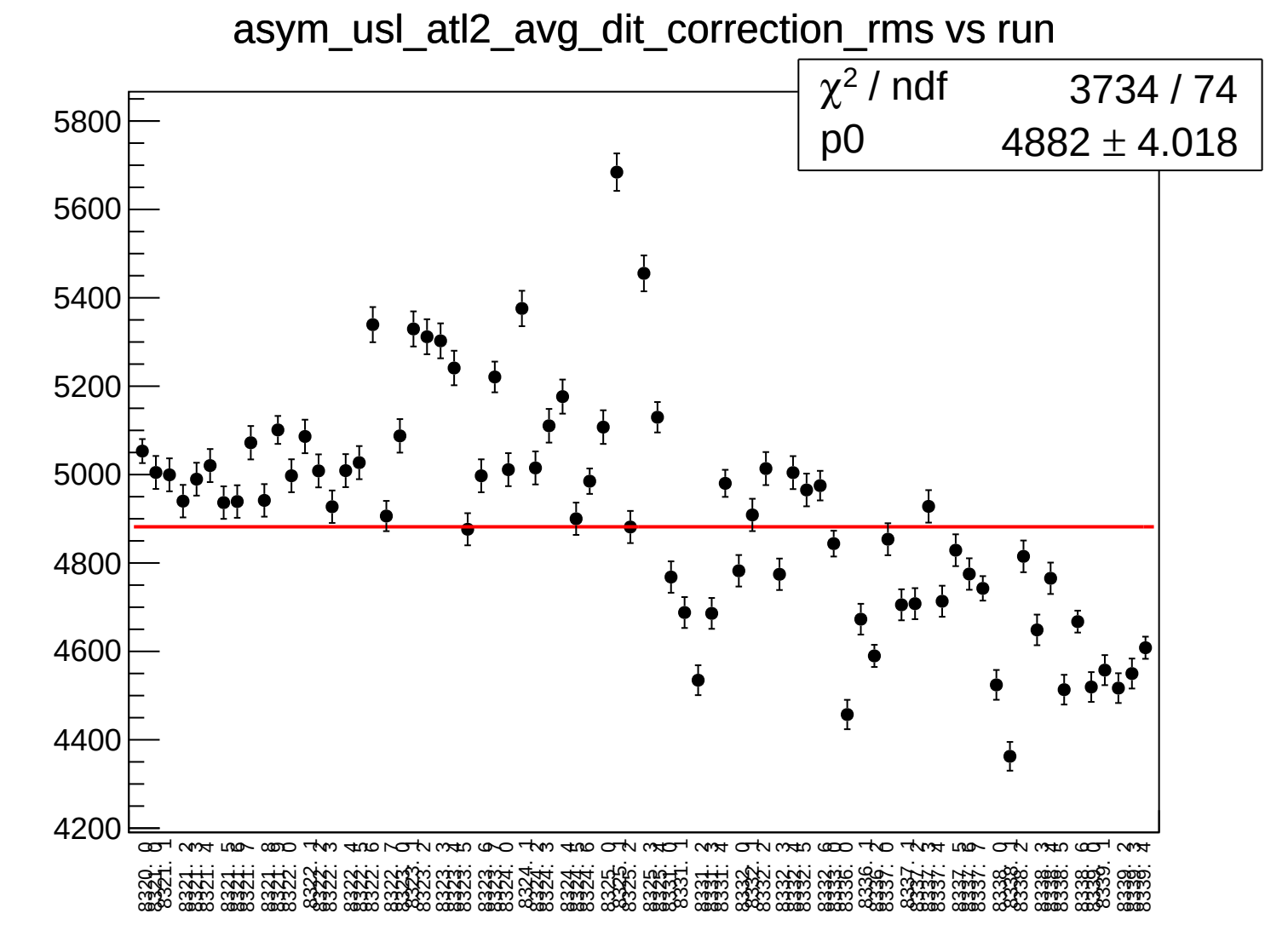

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 59.94 / 74
p0 −1209 ± 1679
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1067
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

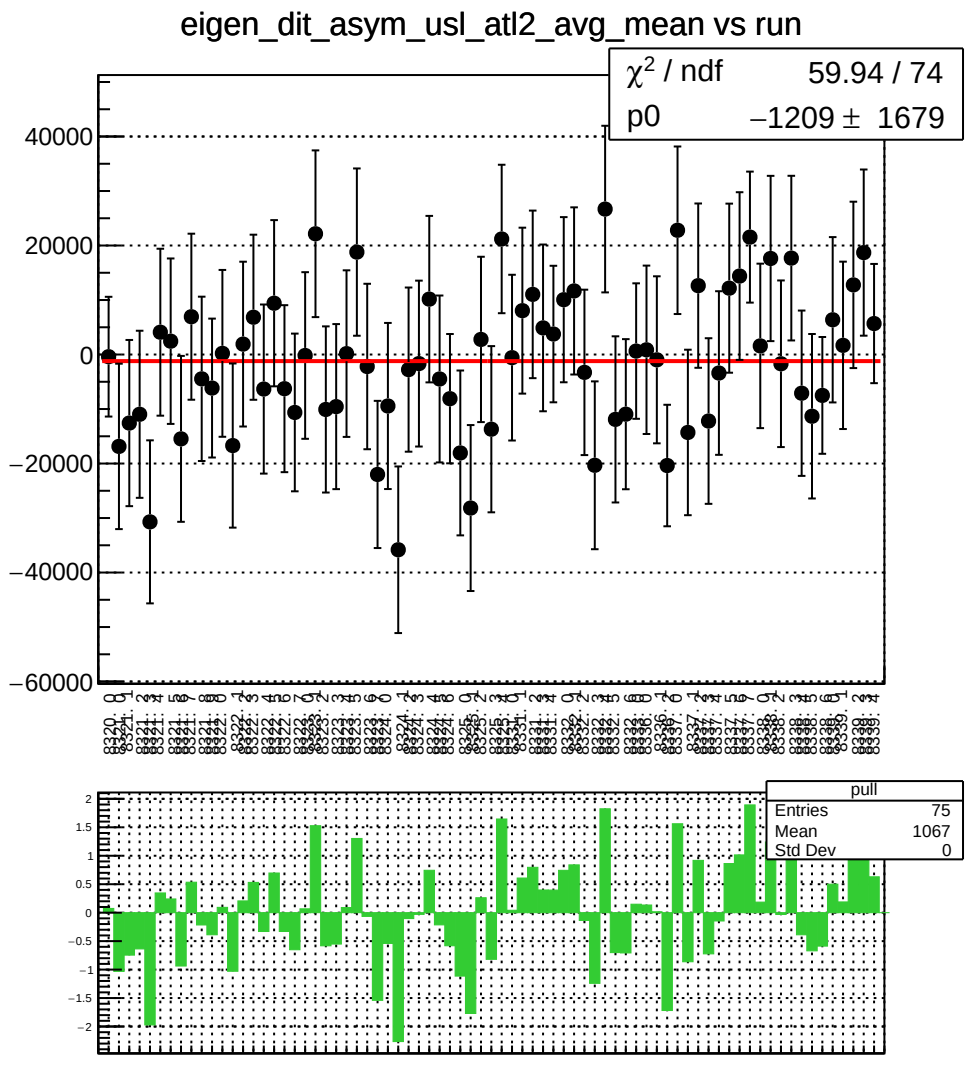

pull1D
Entries 75
Mean 0.005643
Std Dev 0.8939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

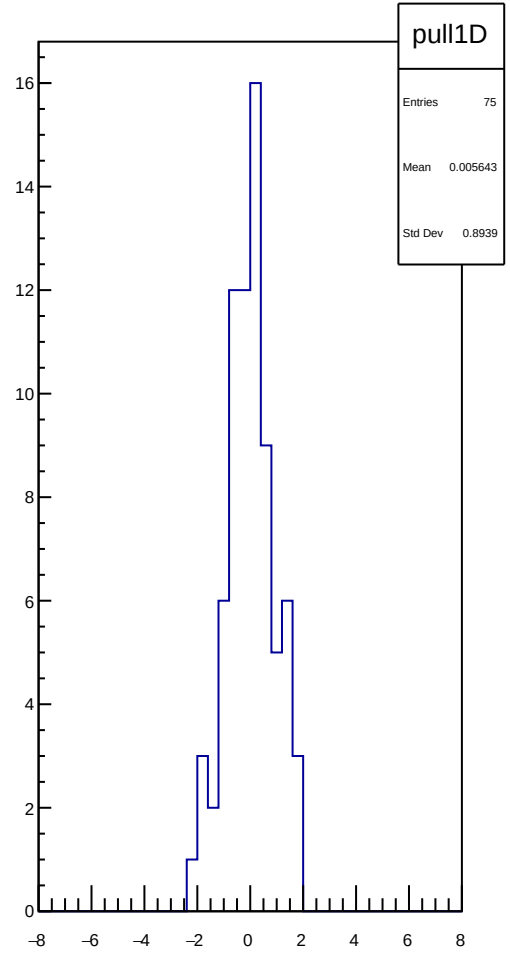

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 87.41 / 74
p0 1445 ± 1.187
1490
1480
1470
1460
1450
1440
1430
1420
1410

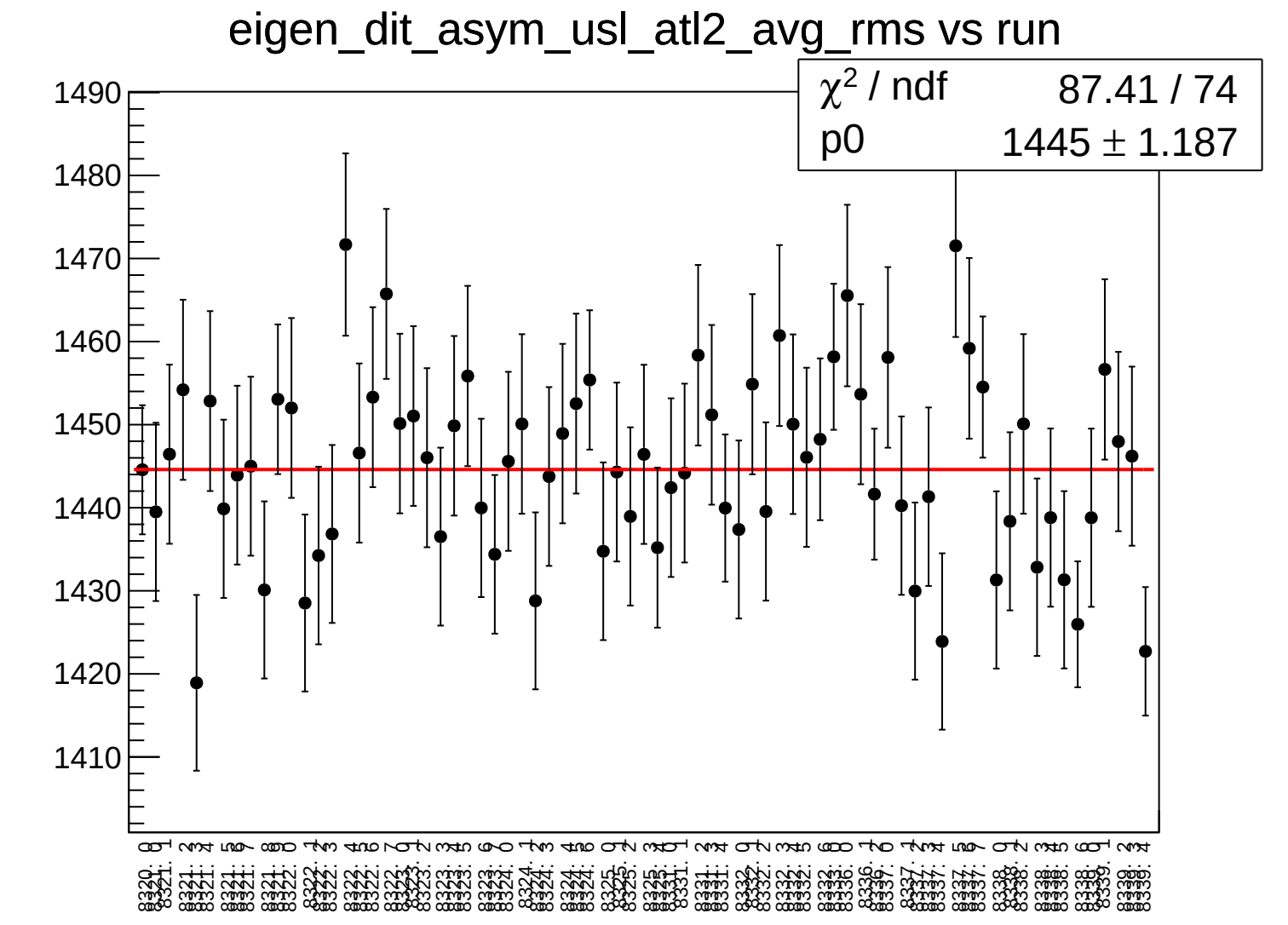

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.12 / 74
p0 −1.376e+04 ± 5682
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 424.6
Std Dev 0
2
1
0
−1
−2

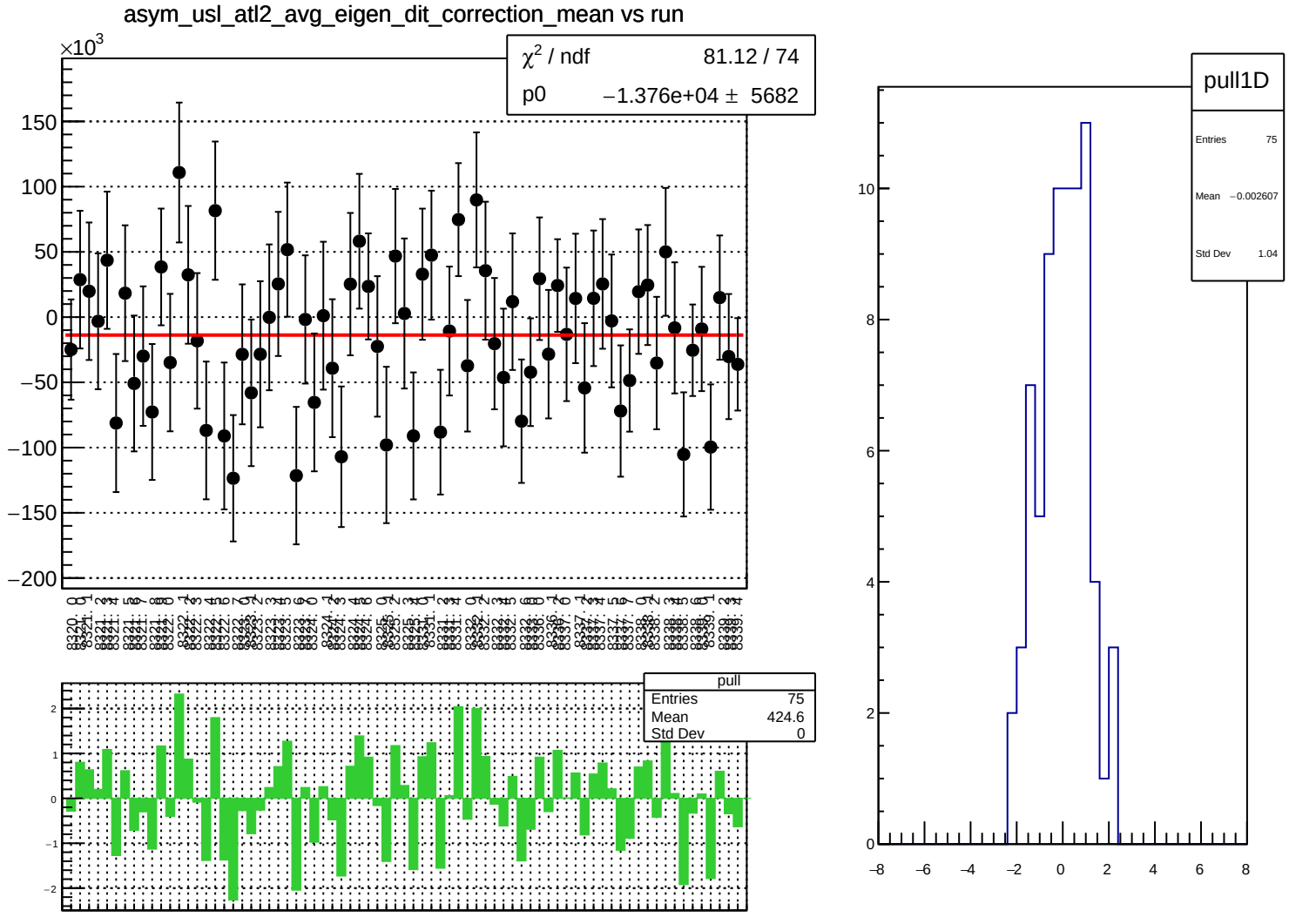

pull1D
Entries 75
Mean −0.002607
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

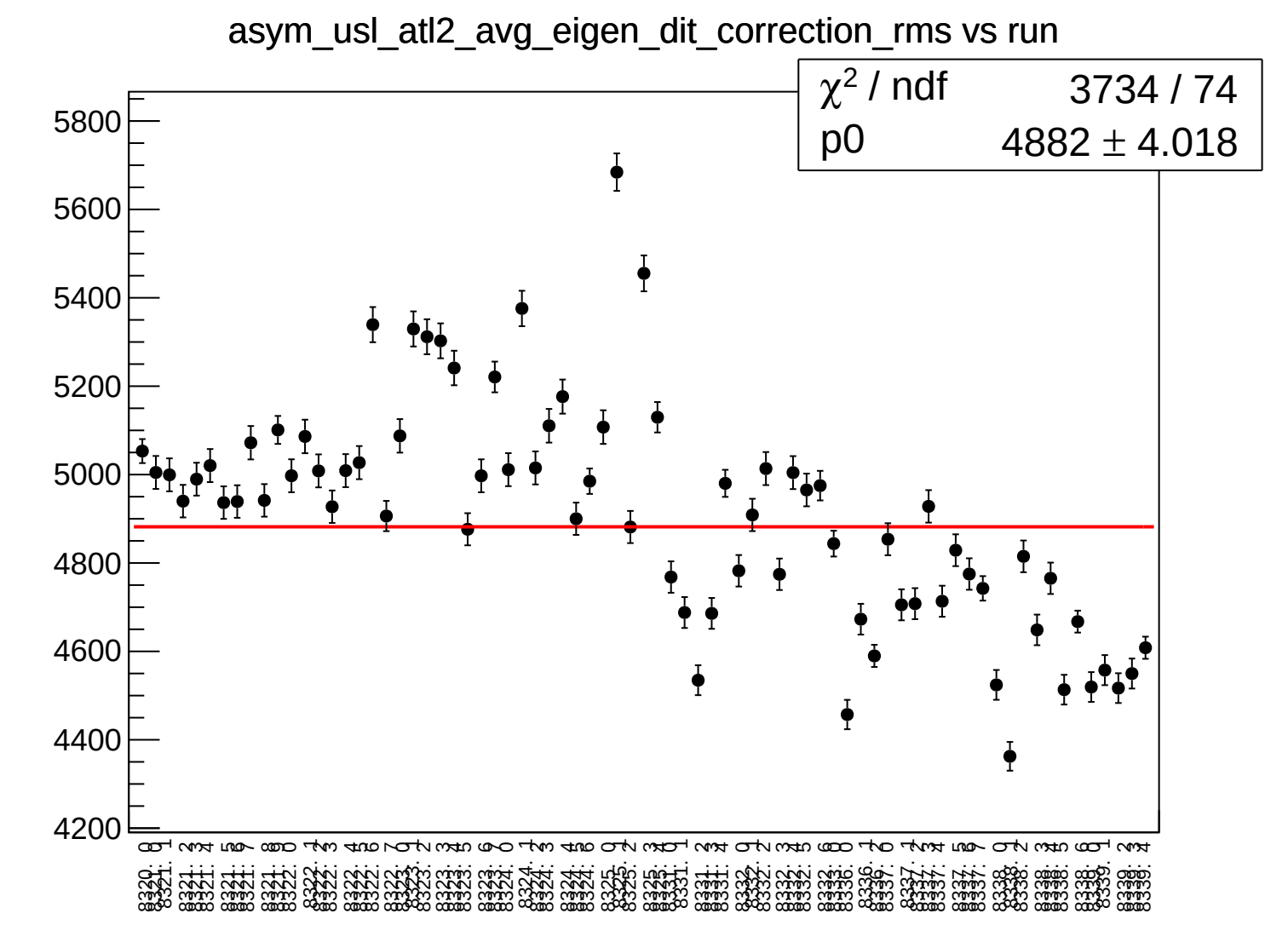

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 3734 / 74
p0 4882 ± 4.018
5800
5600
5400
5200
5000
4800
4600
4400
4200

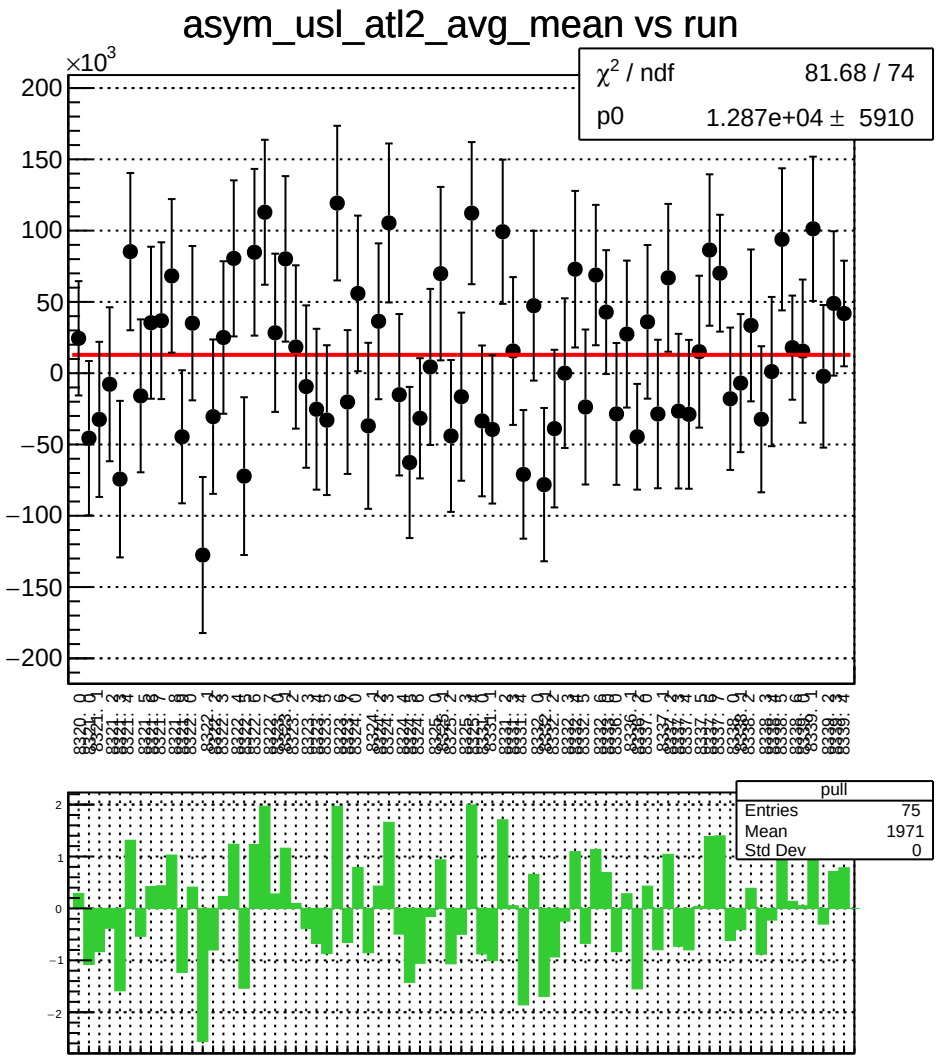

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 59.94 / 74
p0 −1209 ± 1679
pull
Entries 75
Mean 1067
Std Dev 0

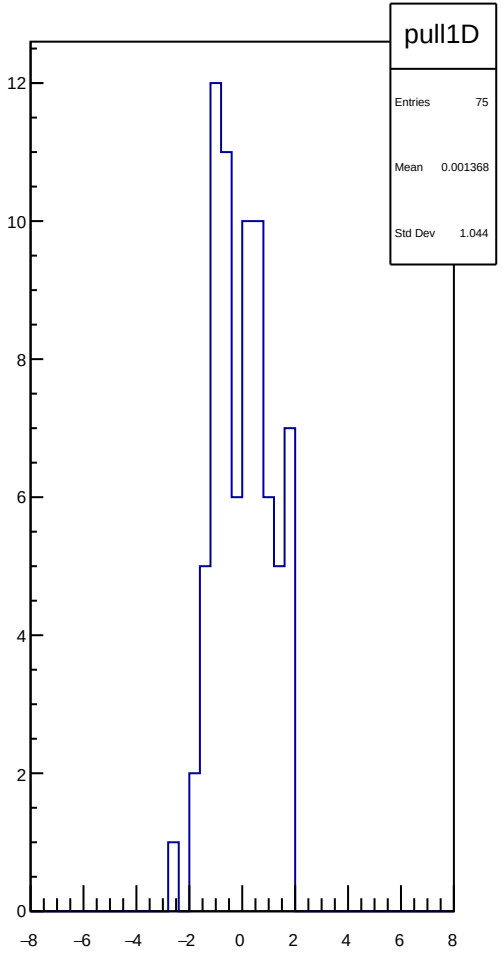

pull1D
Entries 75
Mean 0.005643
Std Dev 0.8939

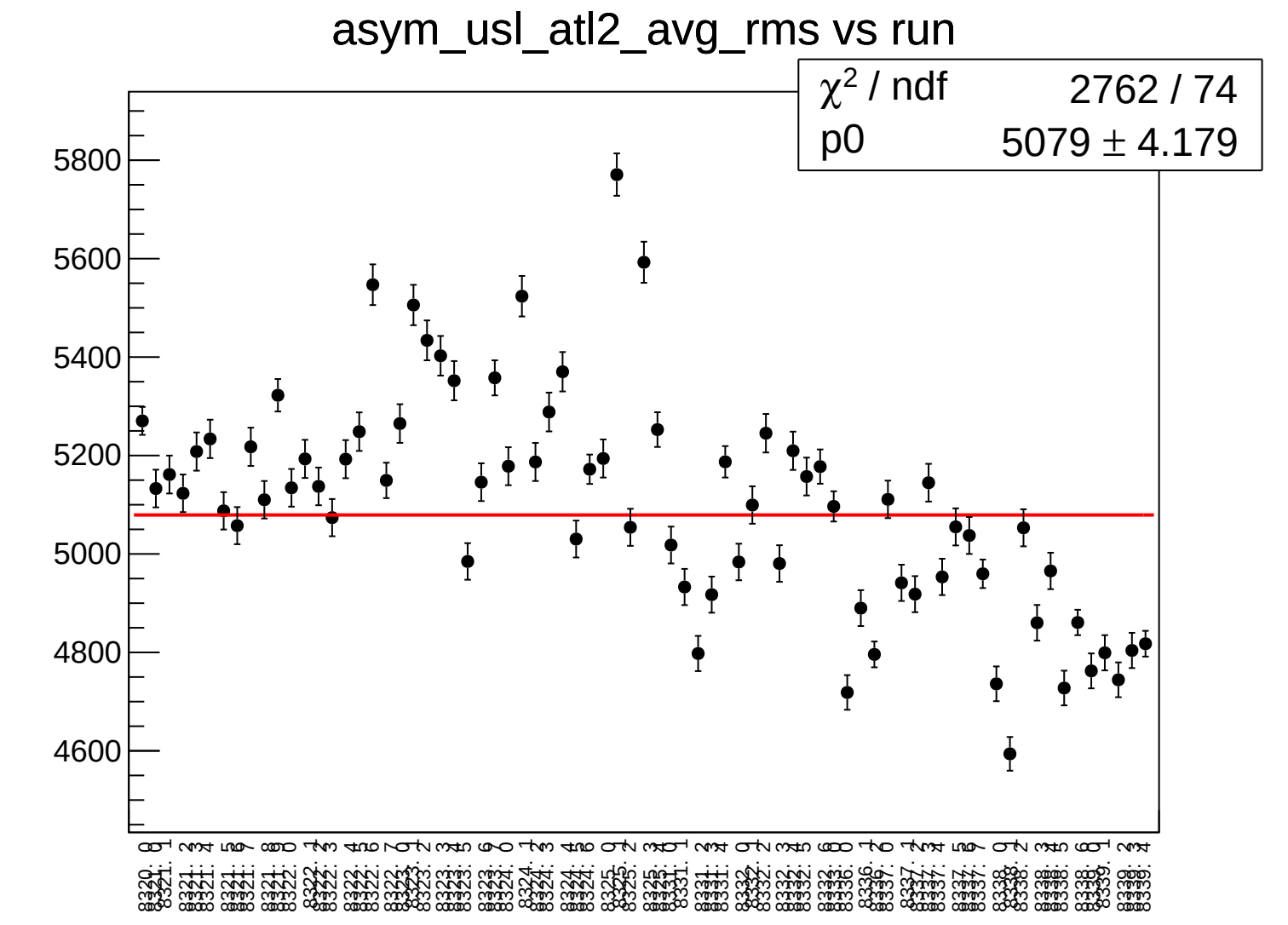

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 87.41 / 74
p0 1445 ± 1.187
1490
1480
1470
1460
1450
1440
1430
1420
1410

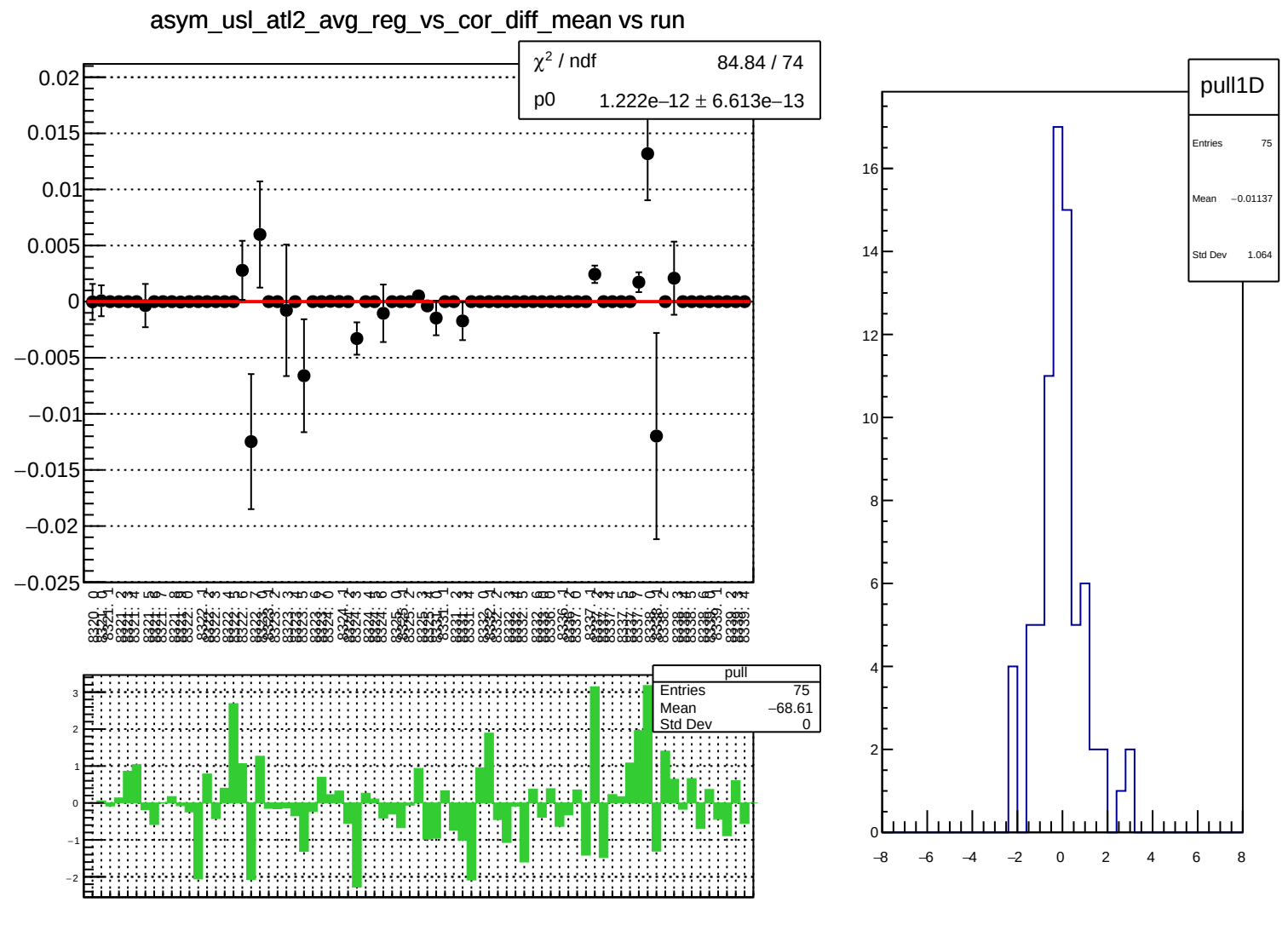

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.12 / 74
p0 −1.376e+04 ± 5682
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 424.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.002607
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

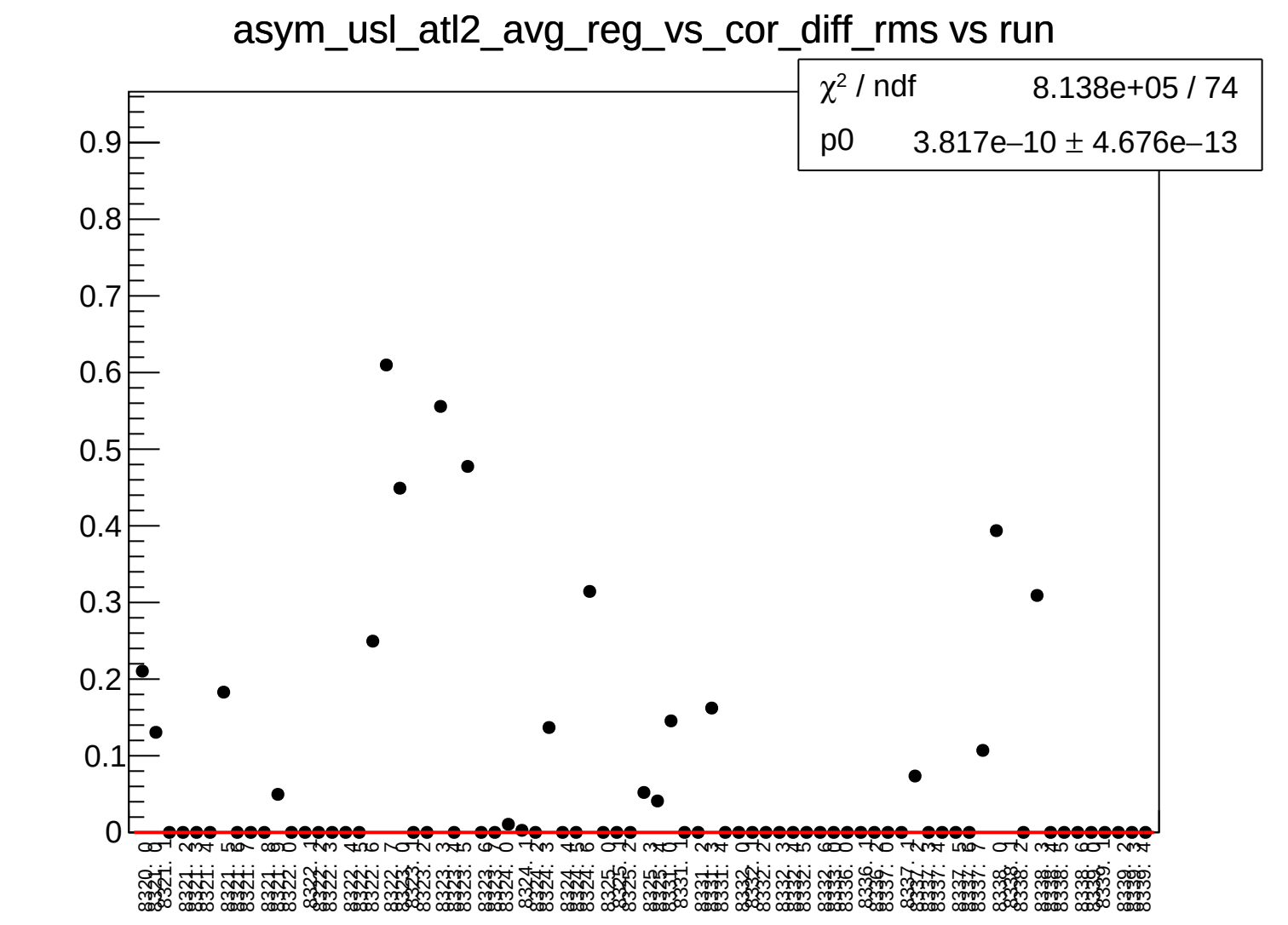

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3734 / 74
p0 4882 ± 4.018
5800
5600
5400
5200
5000
4800
4600
4400
4200

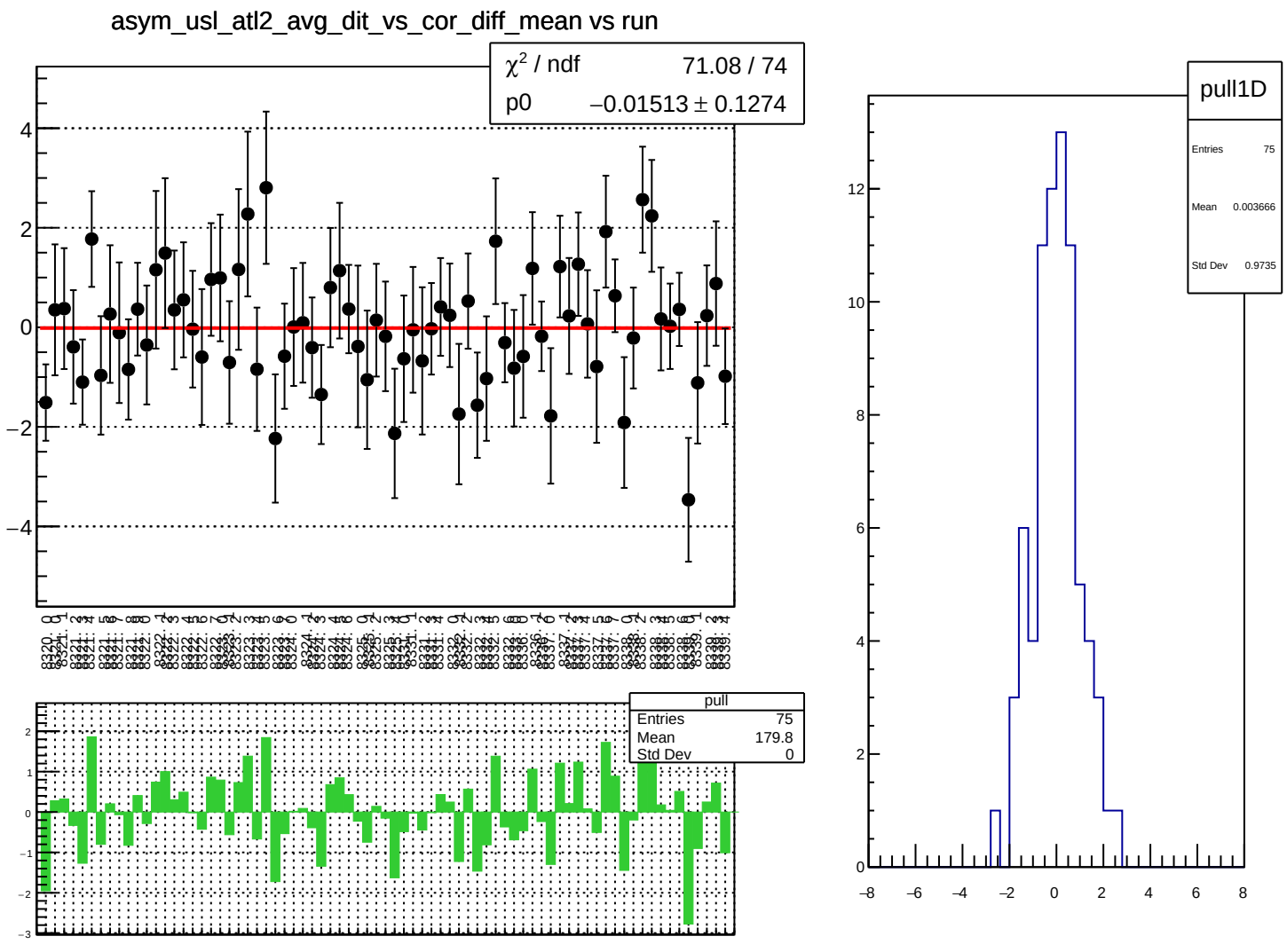

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 81.68 / 74
p0 1.287e+04 ± 5910
pull
Entries 75
Mean 1971
Std Dev 0

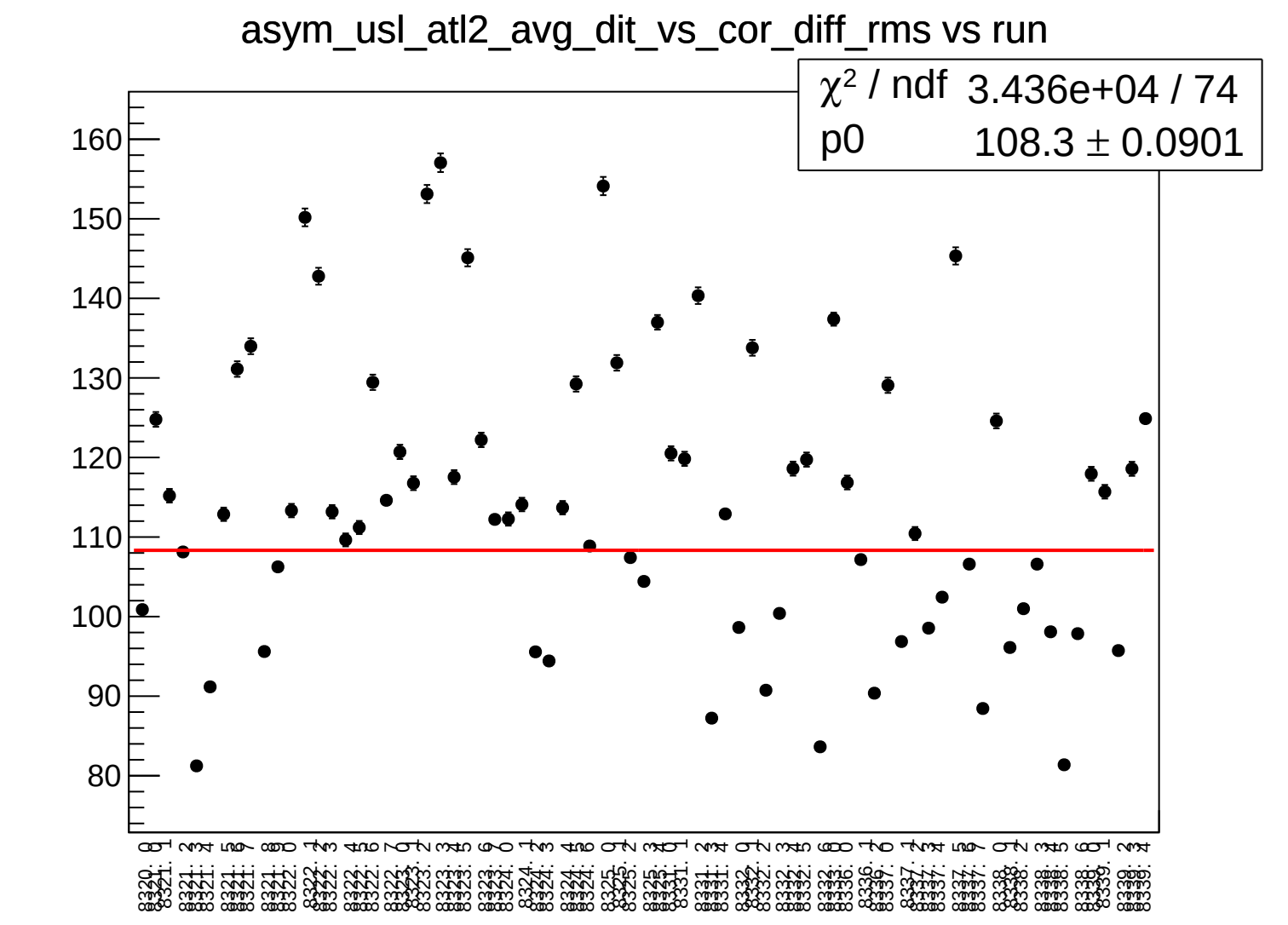

pull1D
Entries 75
Mean 0.001368
Std Dev 1.044

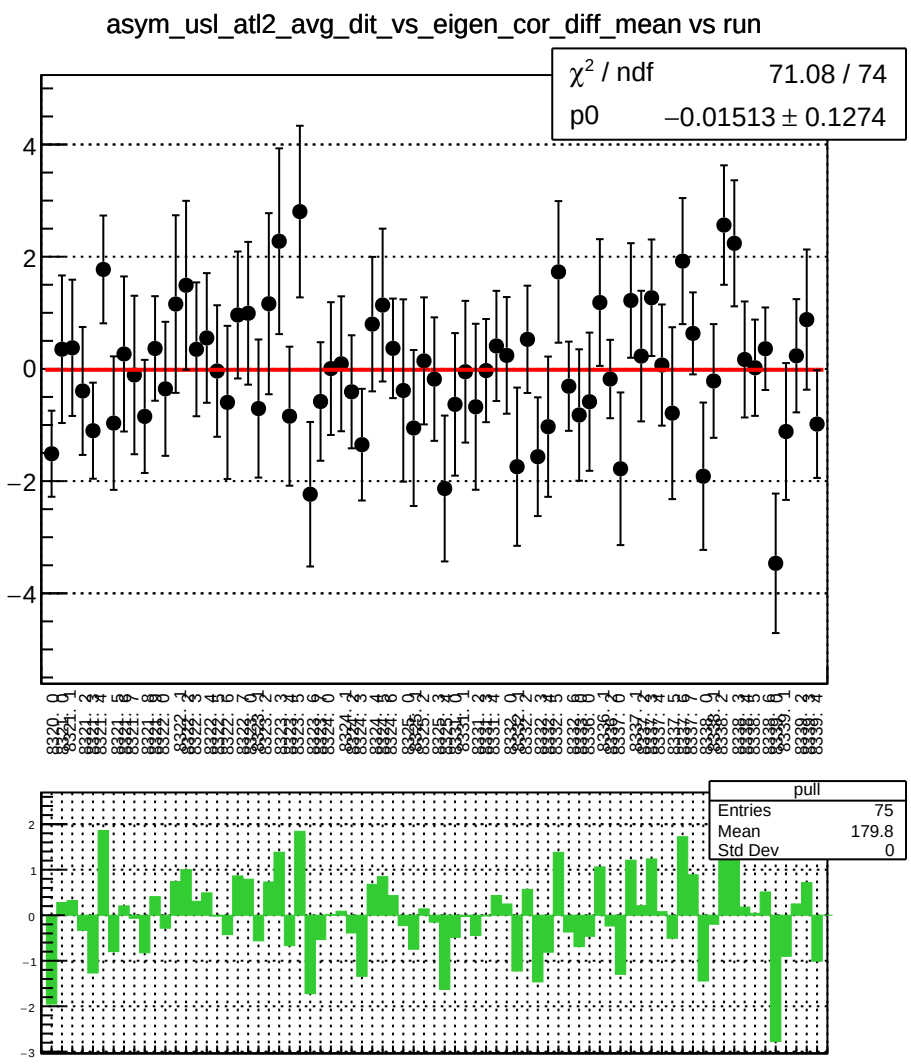

asym_usl_atl2_avg_rms vs run
χ² / ndf 2762 / 74
p0 5079 ± 4.179
5800
5600
5400
5200
5000
4800
4600

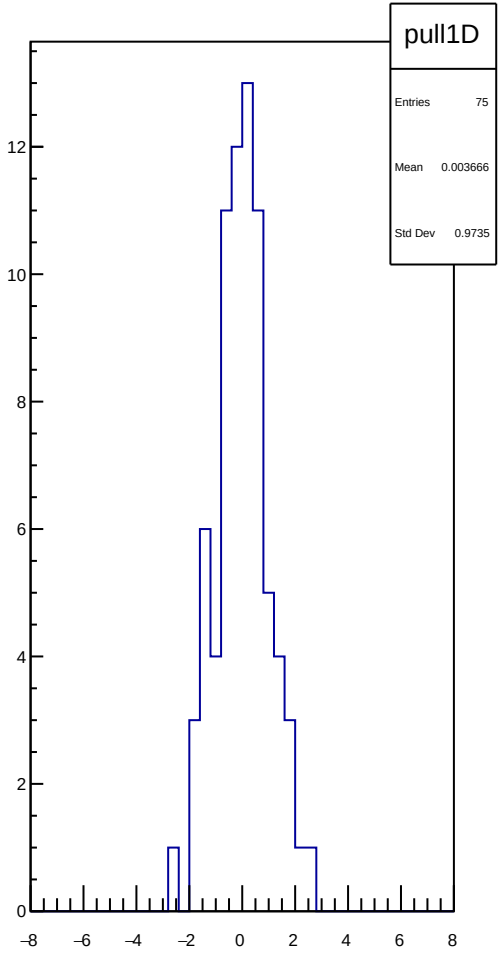

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 84.84 / 74
p0 1.222e−12 ± 6.613e−13
pull
Entries 75
Mean −68.61
Std Dev 0
pull1D
Entries 75
Mean −0.01137
Std Dev 1.064

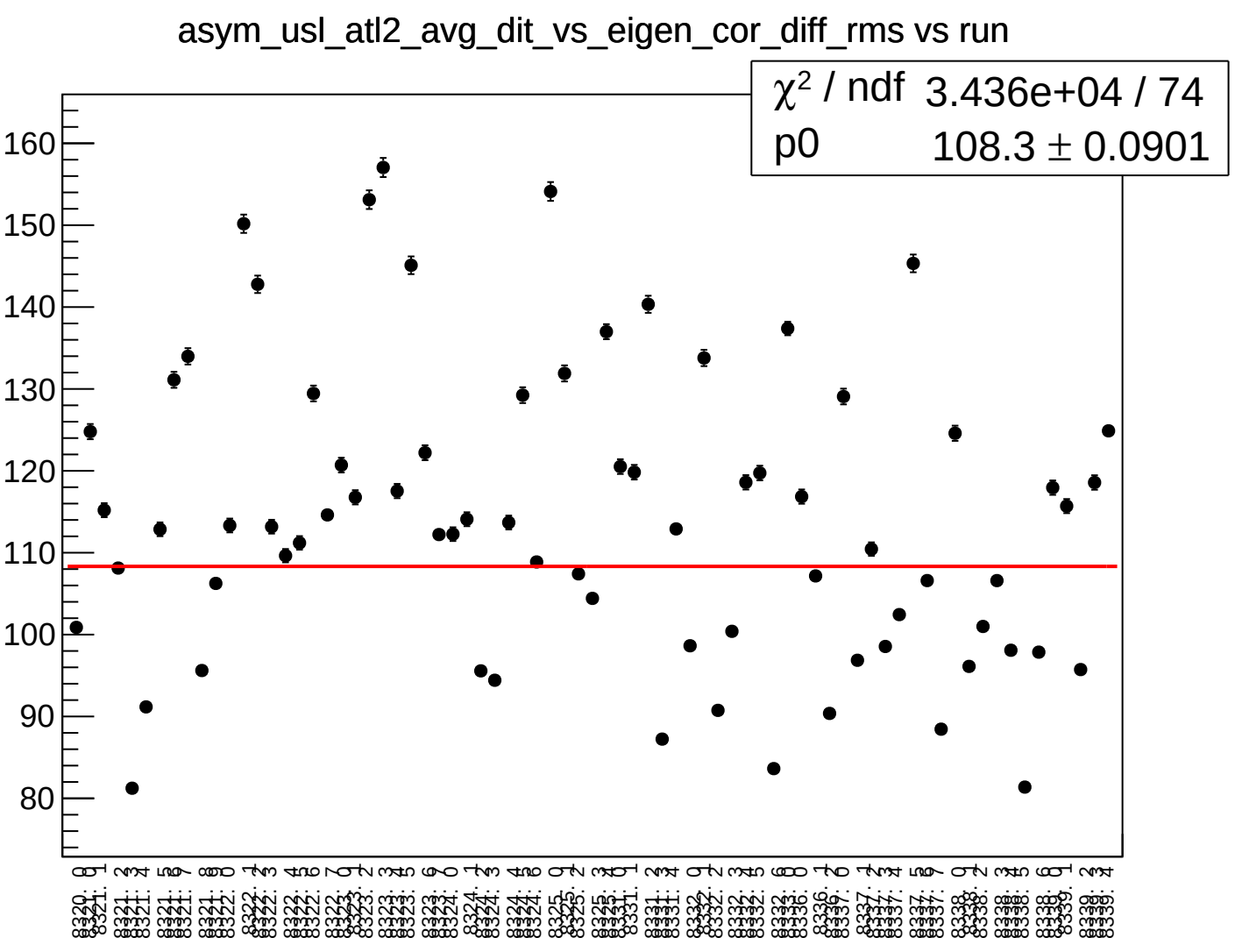

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.138e+05 / 74
p0 3.817e−10 ± 4.676e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

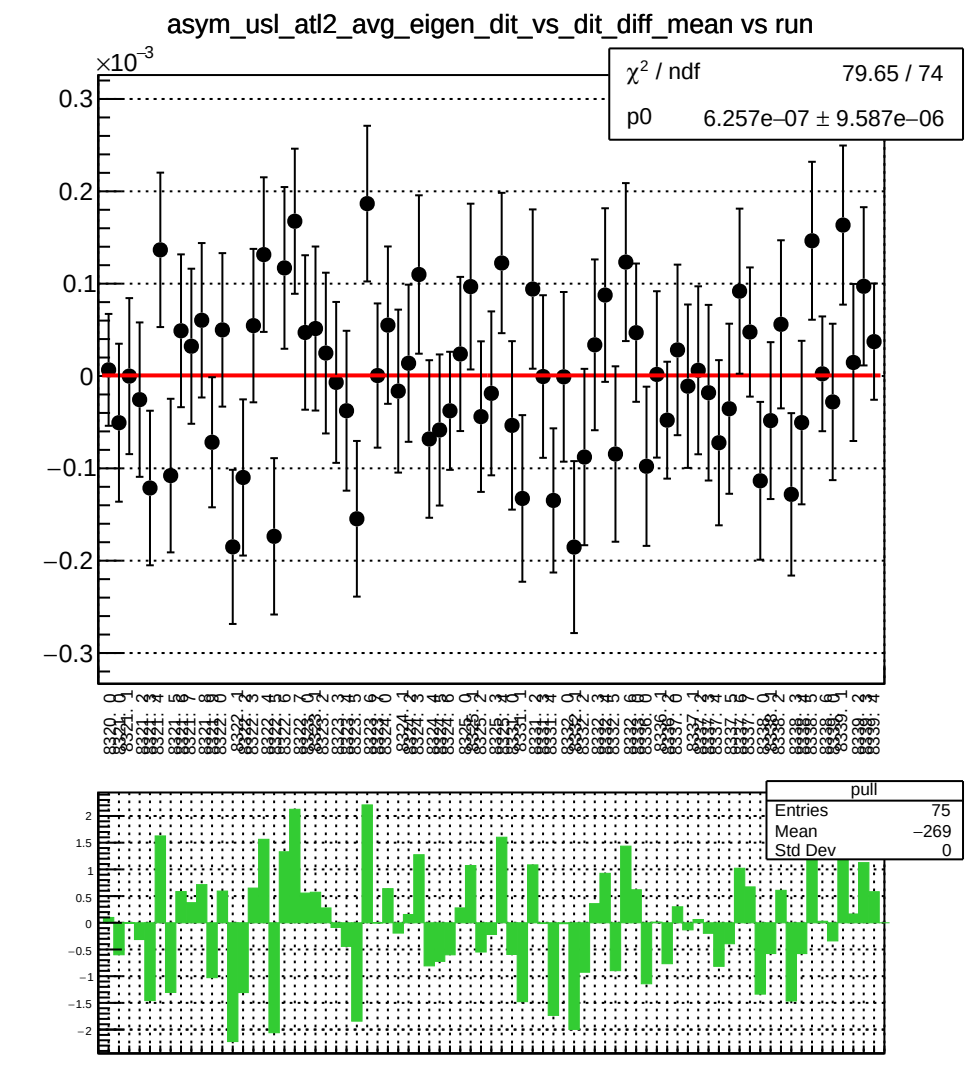

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.08 / 74
p0 −0.01513 ± 0.1274
pull
Entries 75
Mean 179.8
Std Dev 0
pull1D
Entries 75
Mean 0.003666
Std Dev 0.9735

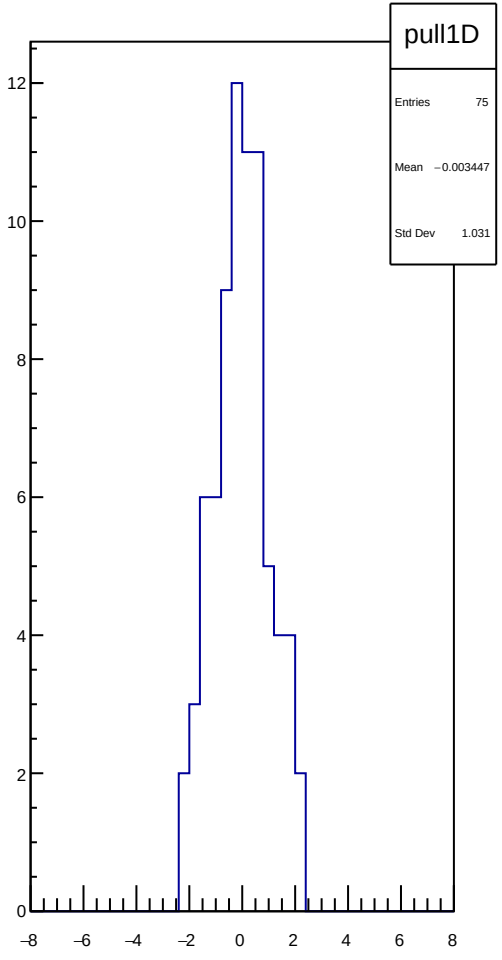

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.436e+04 / 74
p0 108.3 ± 0.0901
160
150
140
130
120
110
100
90
80

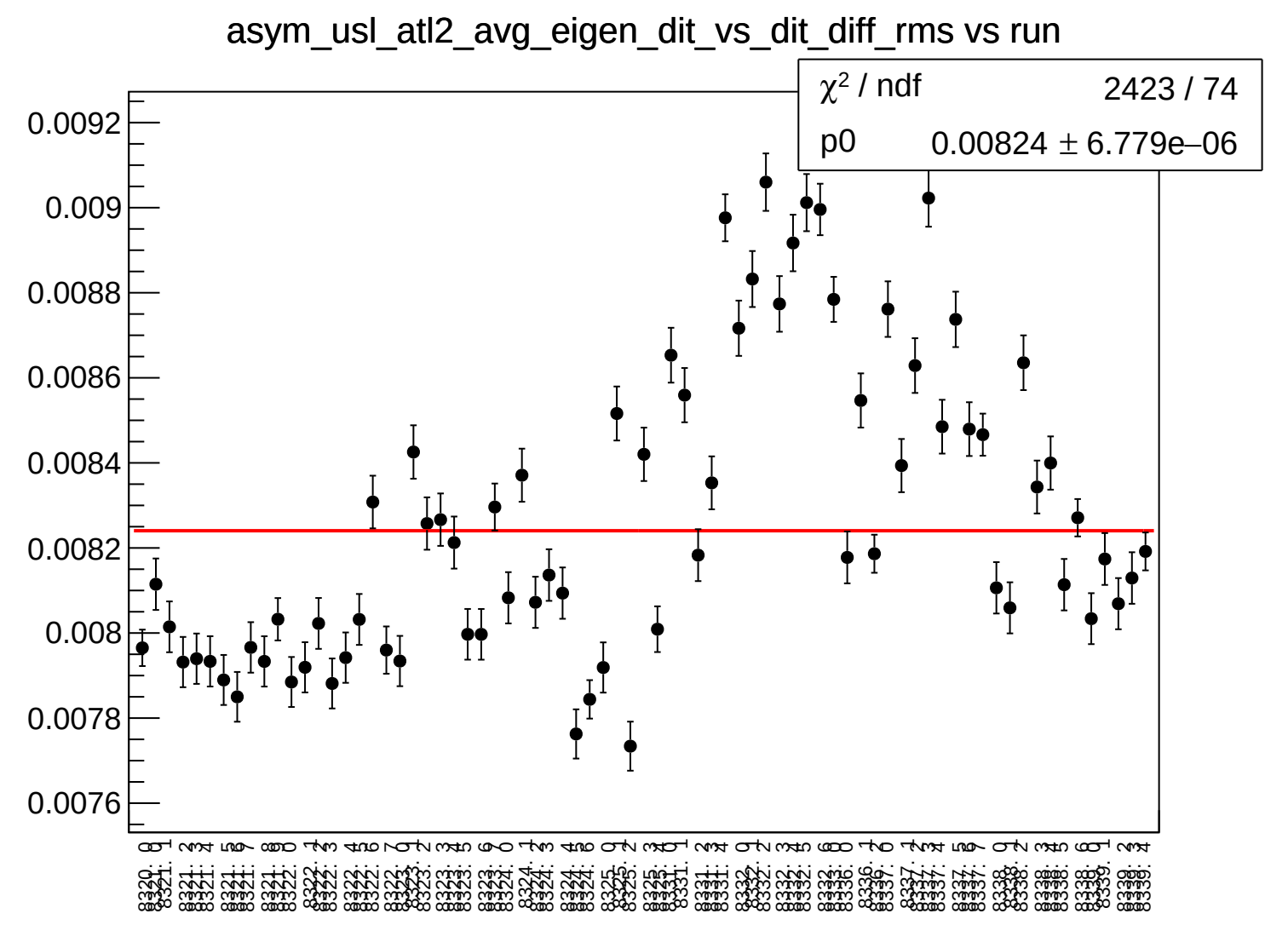

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.08 / 74
p0 −0.01513 ± 0.1274
pull
Entries 75
Mean 179.8
Std Dev 0

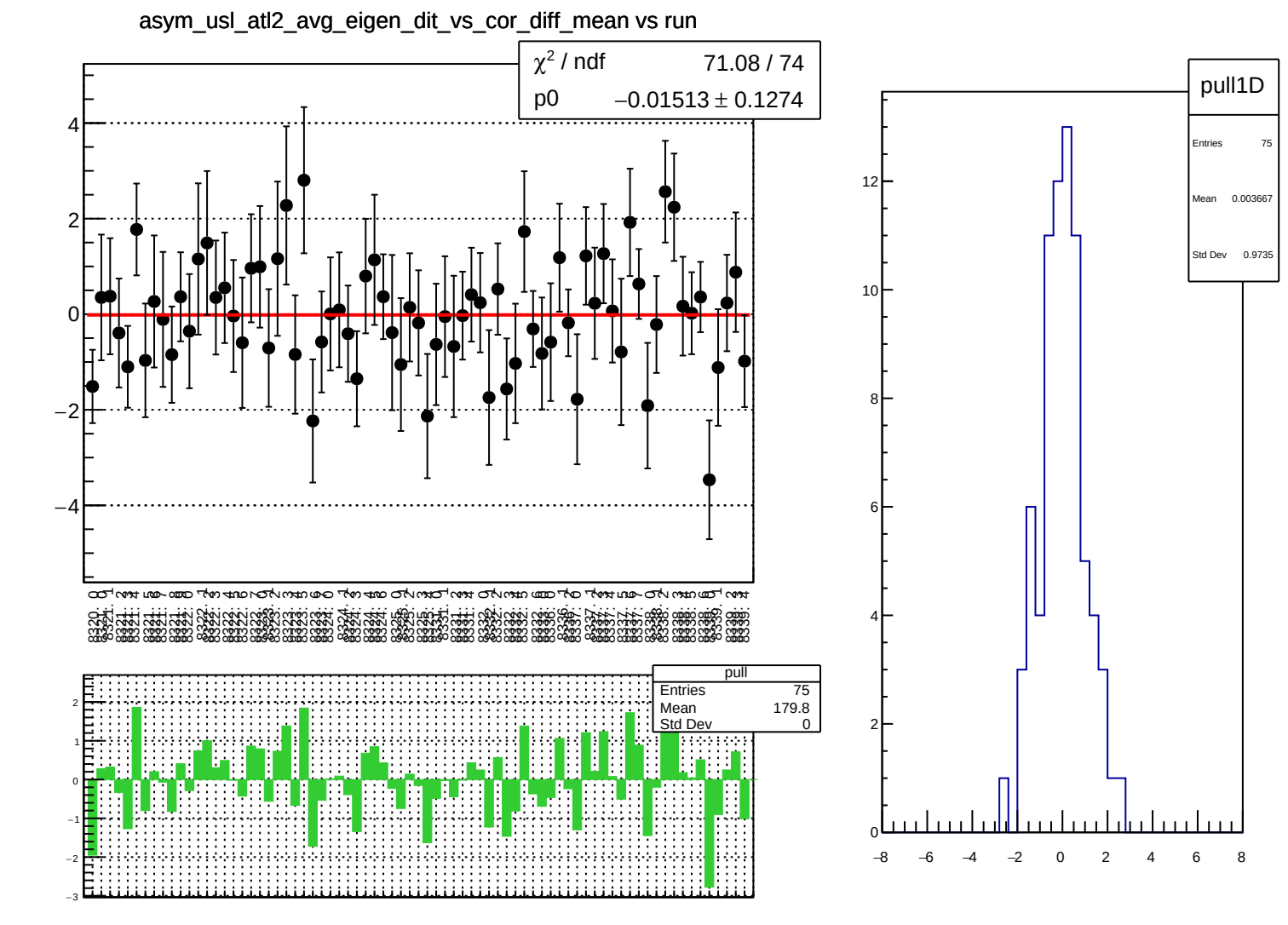

pull1D
Entries 75
Mean 0.003666
Std Dev 0.9735

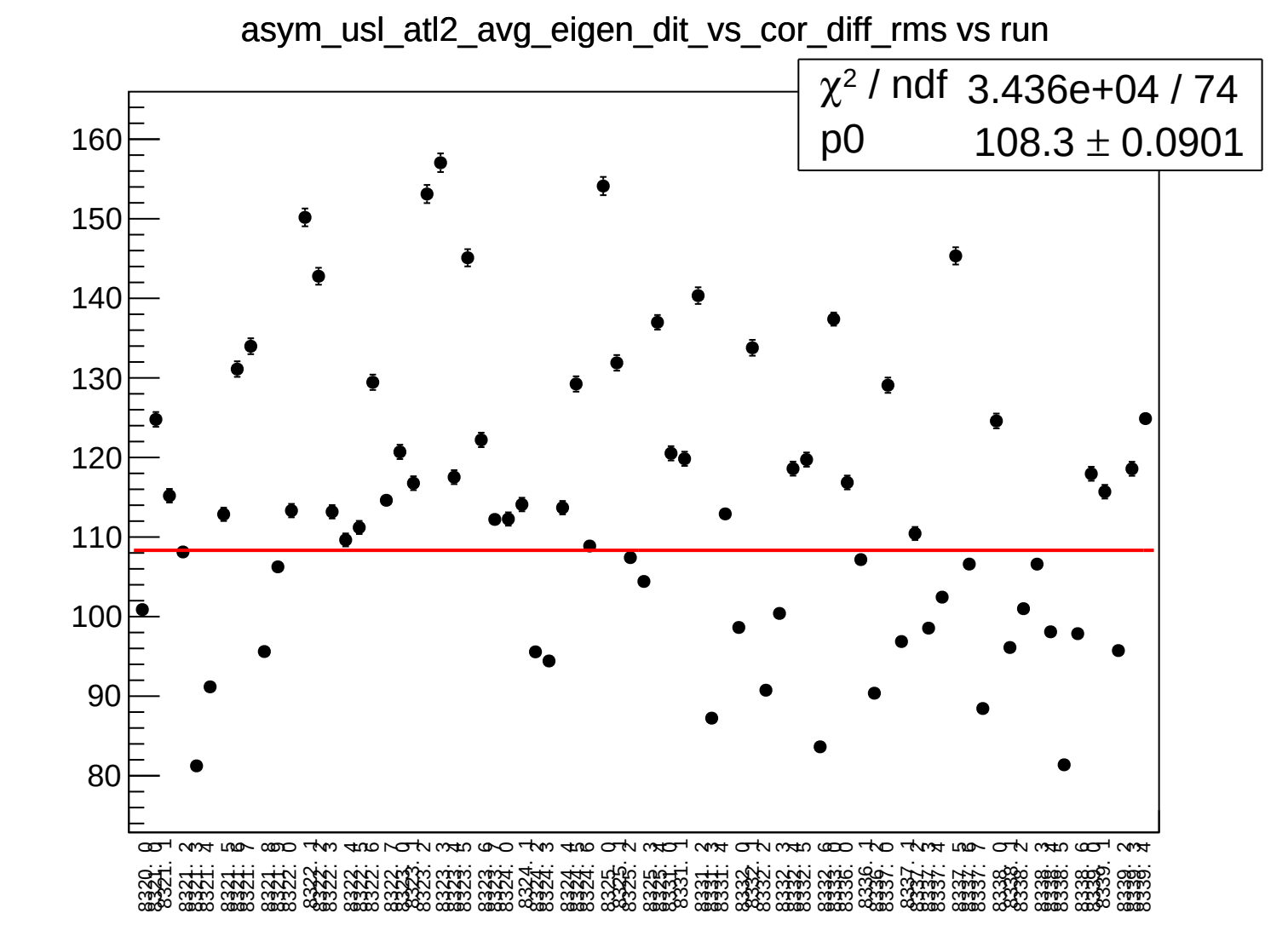

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.436e+04 / 74
p0 108.3 ± 0.0901
160
150
140
130
120
110
100
90
80

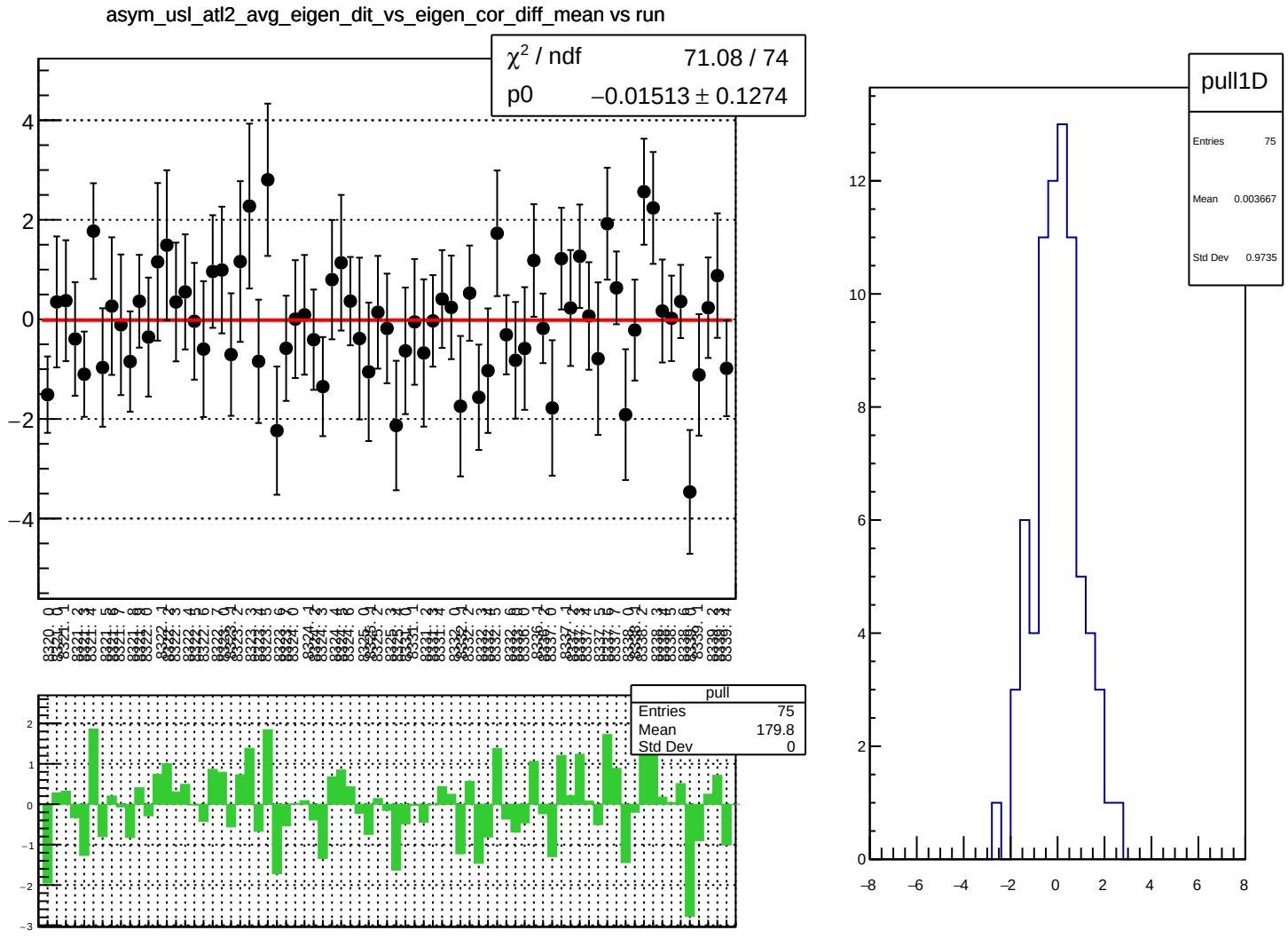

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.65 / 74
p0 6.257e−07 ± 9.587e−06
pull
Entries 75
Mean −269
Std Dev 0

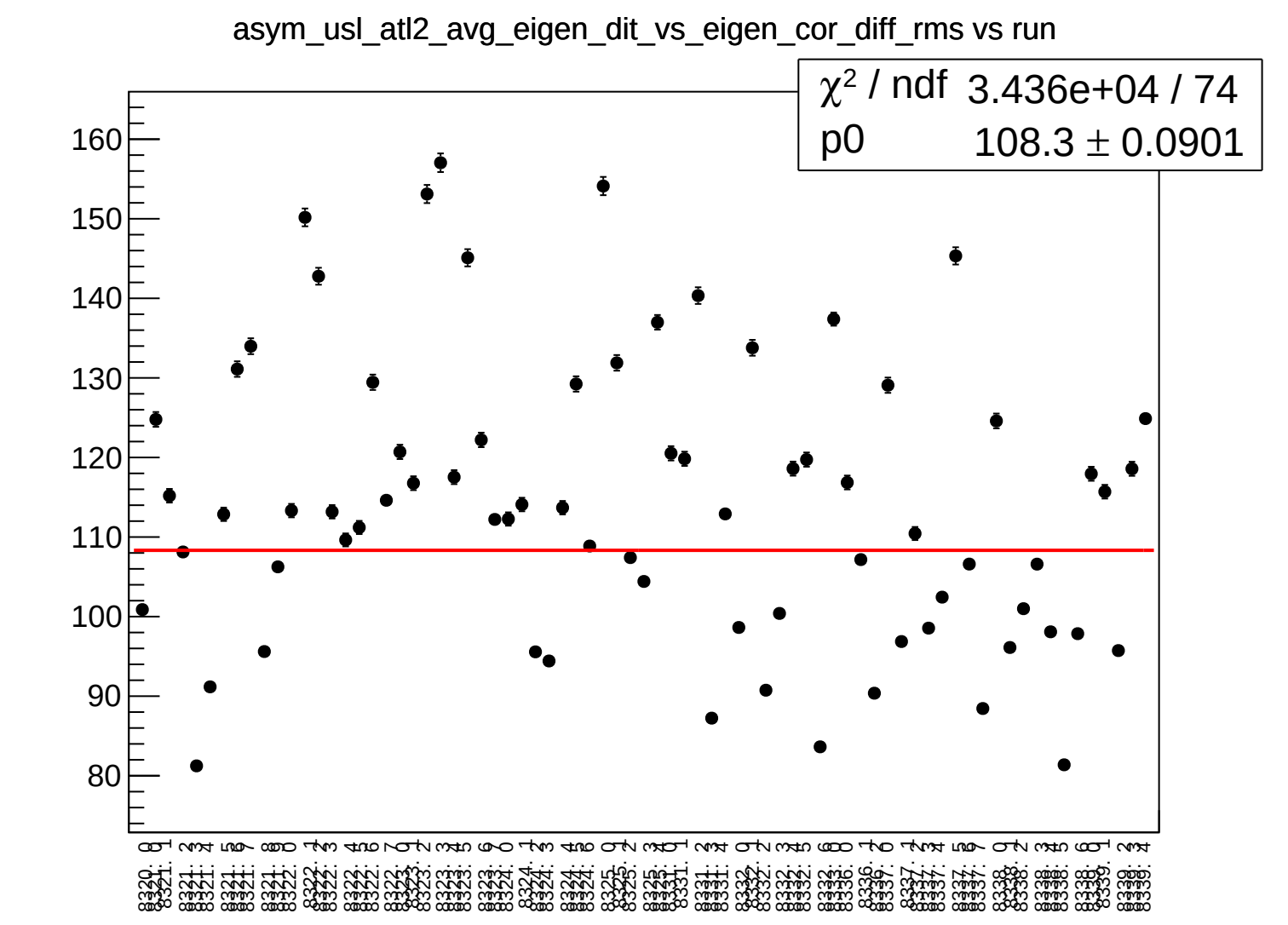

pull1D
Entries 75
Mean −0.003447
Std Dev 1.031

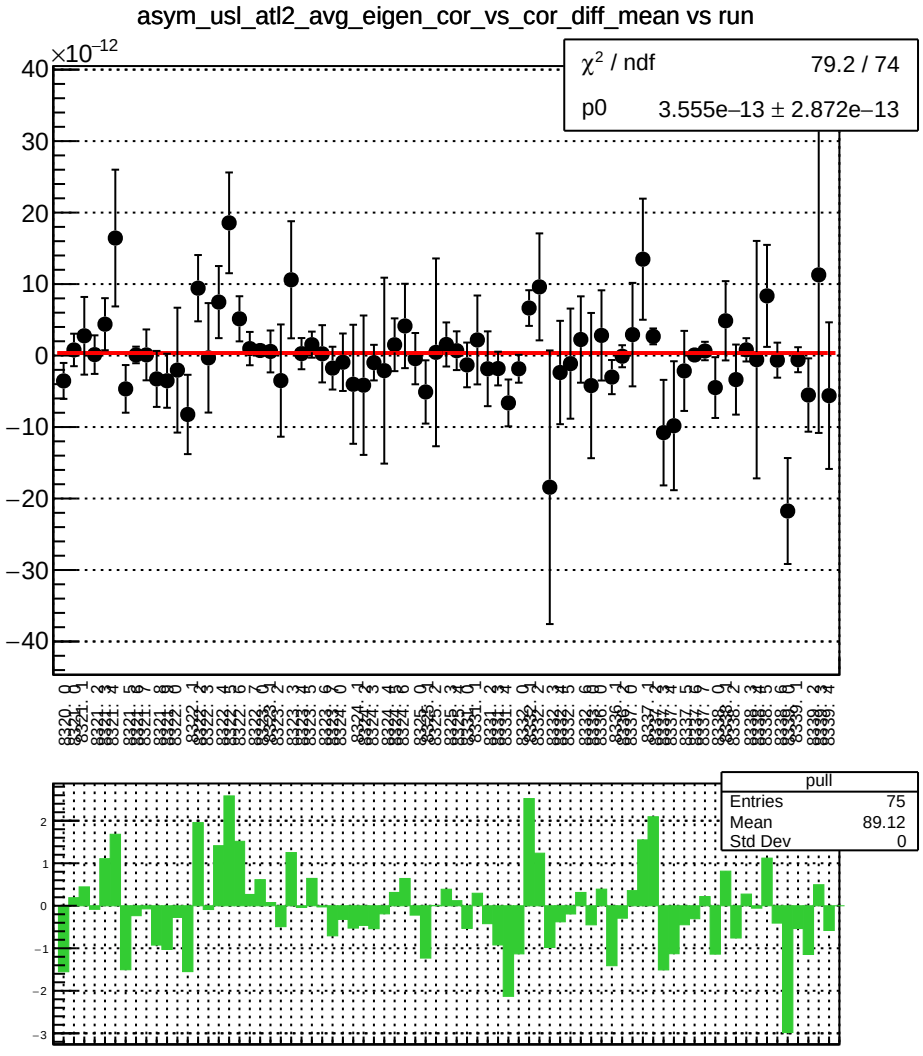

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2423 / 74
p0 0.00824 ± 6.779e−06
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076

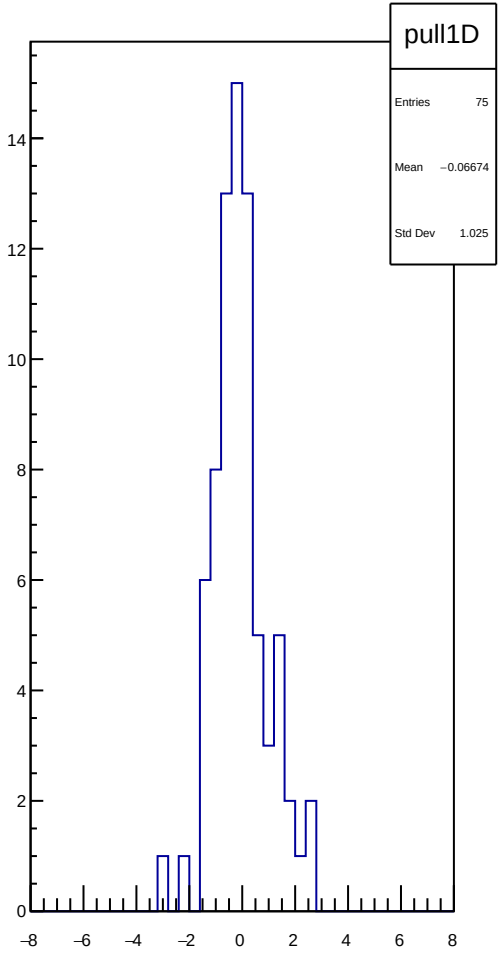

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.08 / 74
p0 −0.01513 ± 0.1274
pull
Entries 75
Mean 179.8
Std Dev 0
pull1D
Entries 75
Mean 0.003667
Std Dev 0.9735

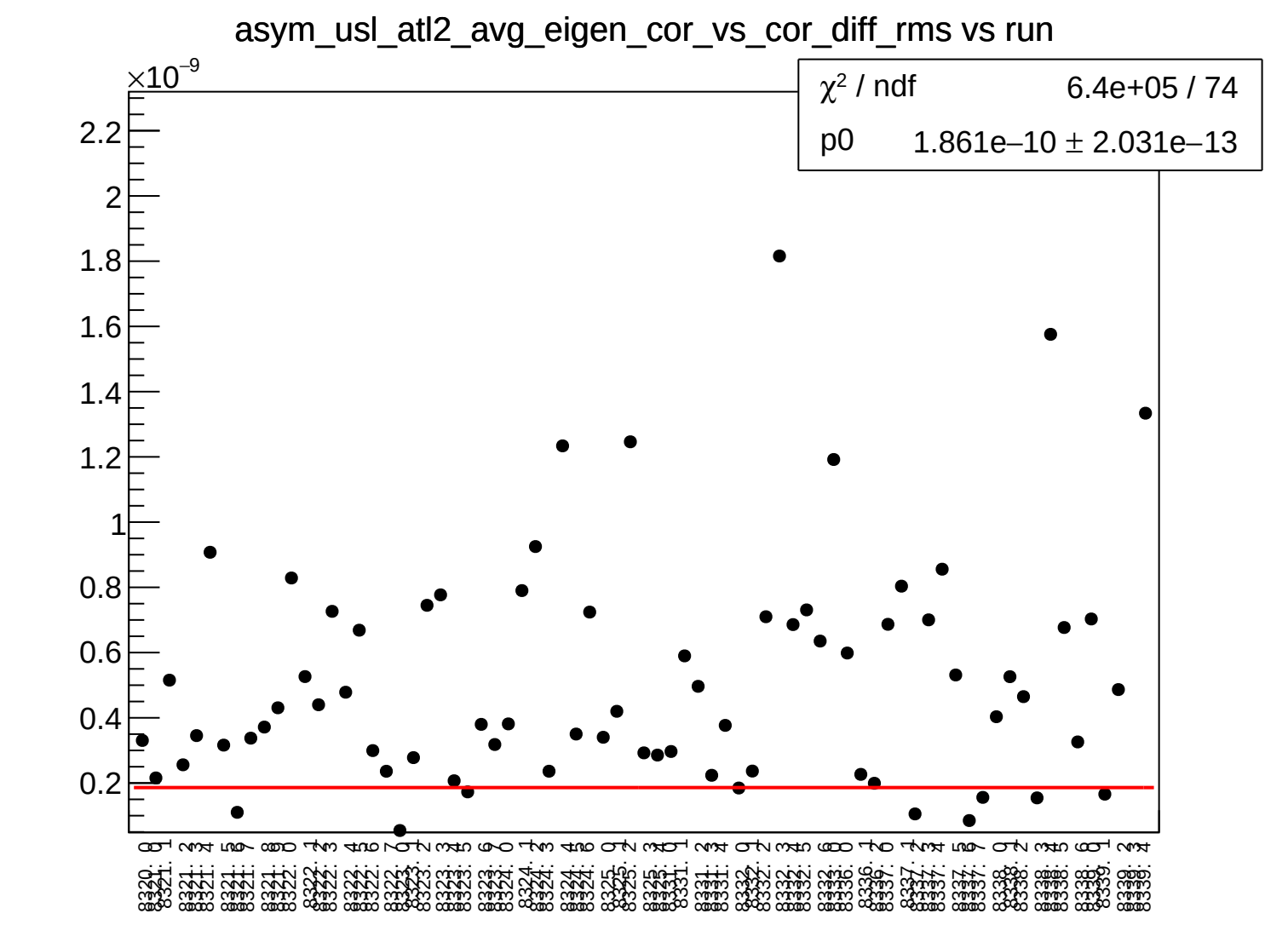

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.436e+04 / 74
p0 108.3 ± 0.0901
160
150
140
130
120
110
100
90
80

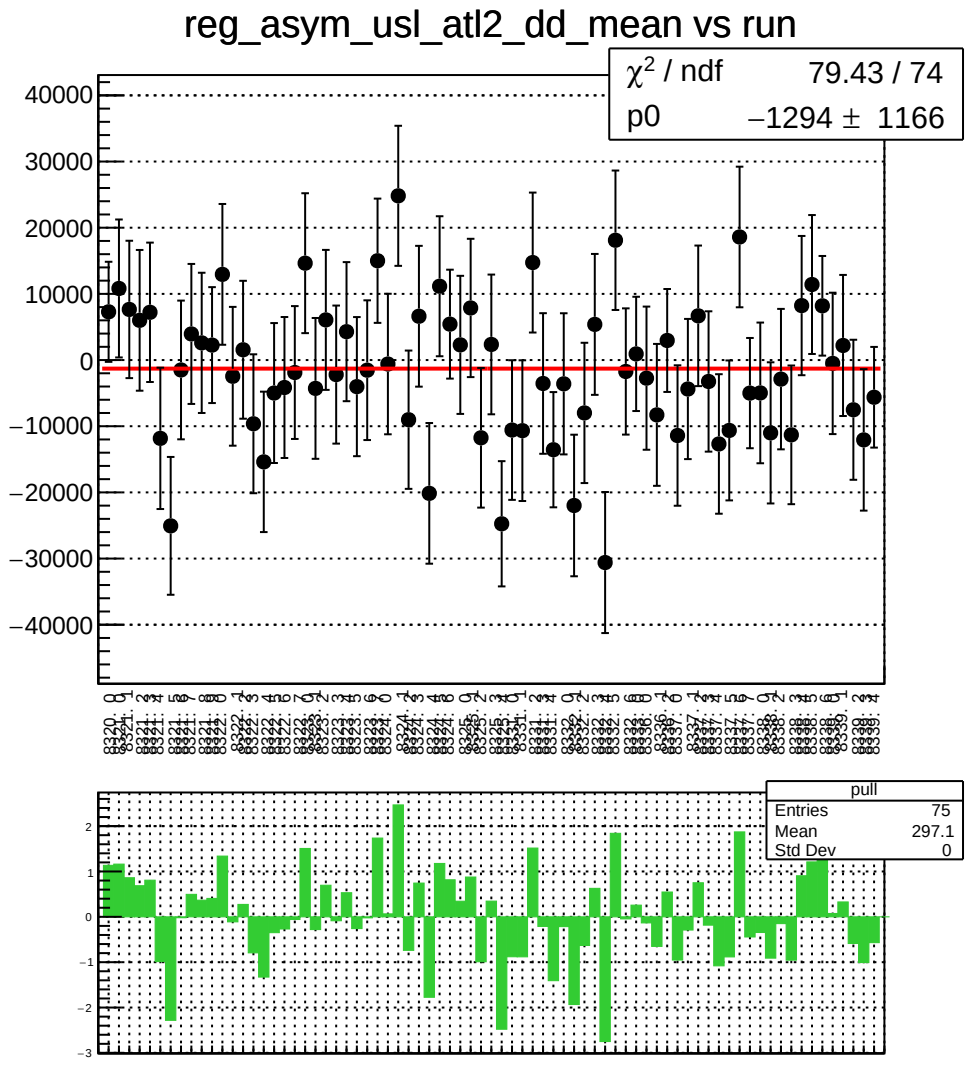

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.08 / 74
p0 −0.01513 ± 0.1274
pull
Entries 75
Mean 179.8
Std Dev 0
pull1D
Entries 75
Mean 0.003667
Std Dev 0.9735

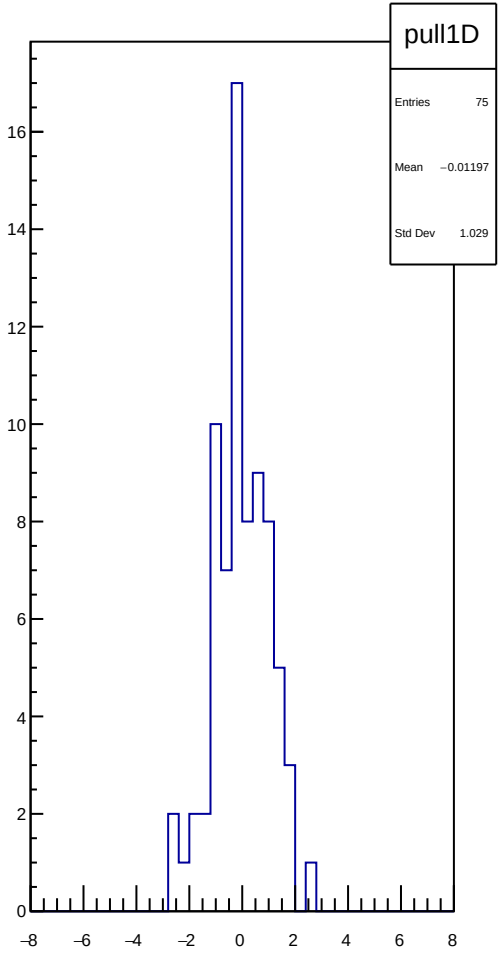

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.436e+04 / 74
p0 108.3 ± 0.0901
160
150
140
130
120
110
100
90
80

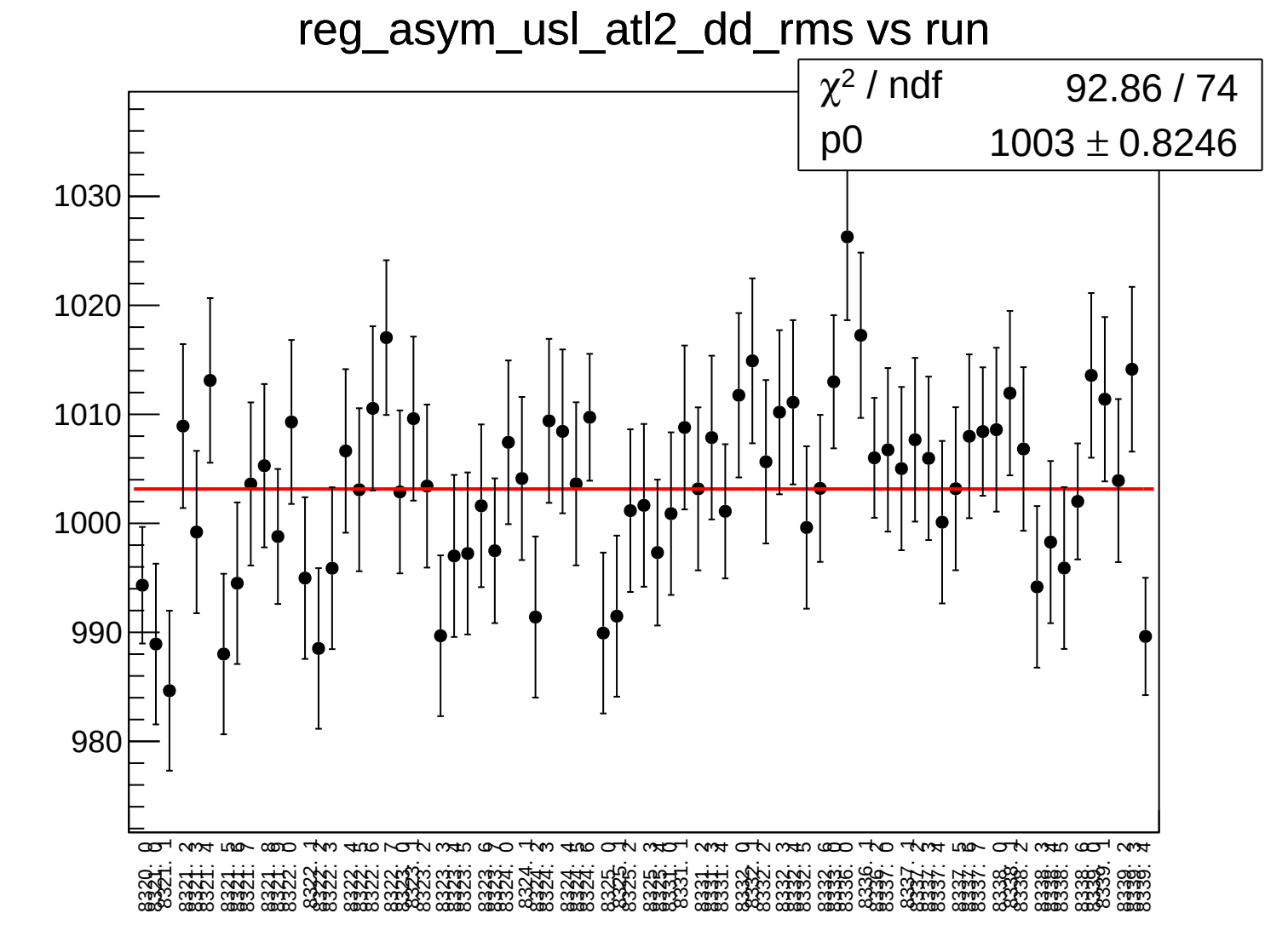

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 79.2 / 74
p0 3.555e−13 ± 2.872e−13
pull
Entries 75
Mean 89.12
Std Dev 0

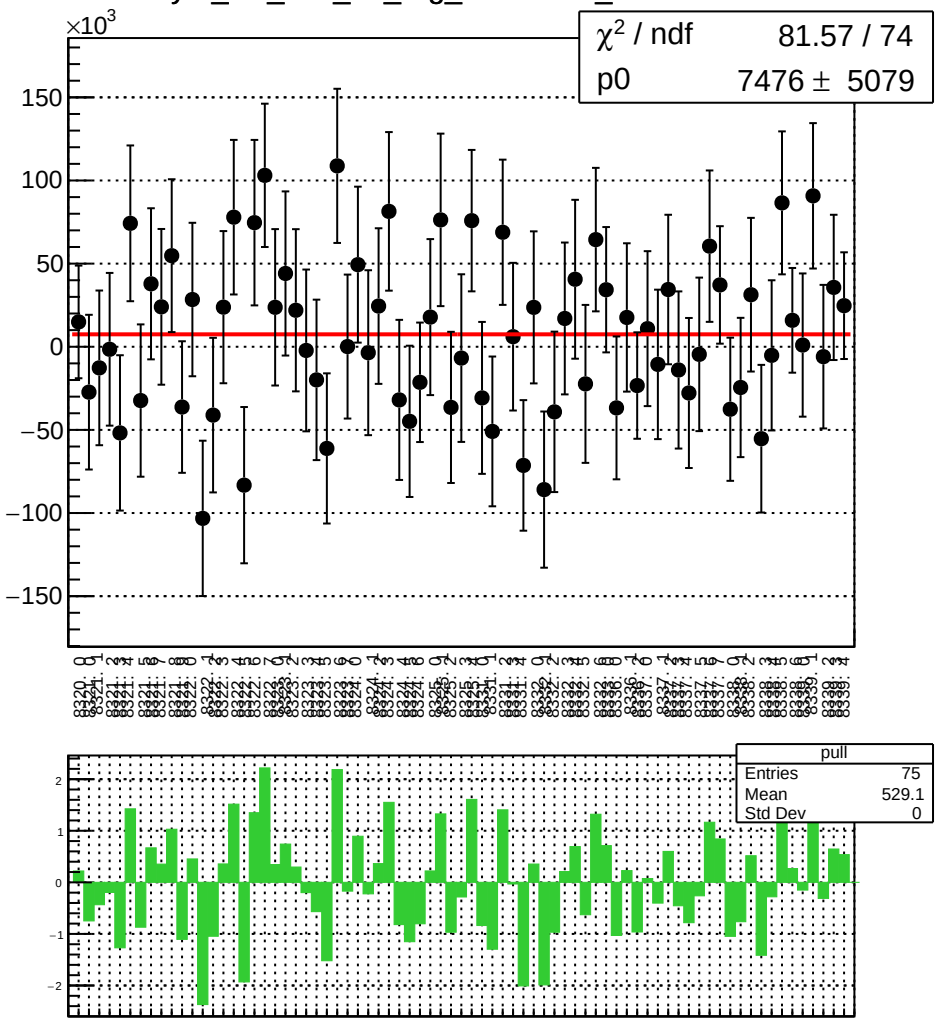

pull1D
Entries 75
Mean −0.06674
Std Dev 1.025

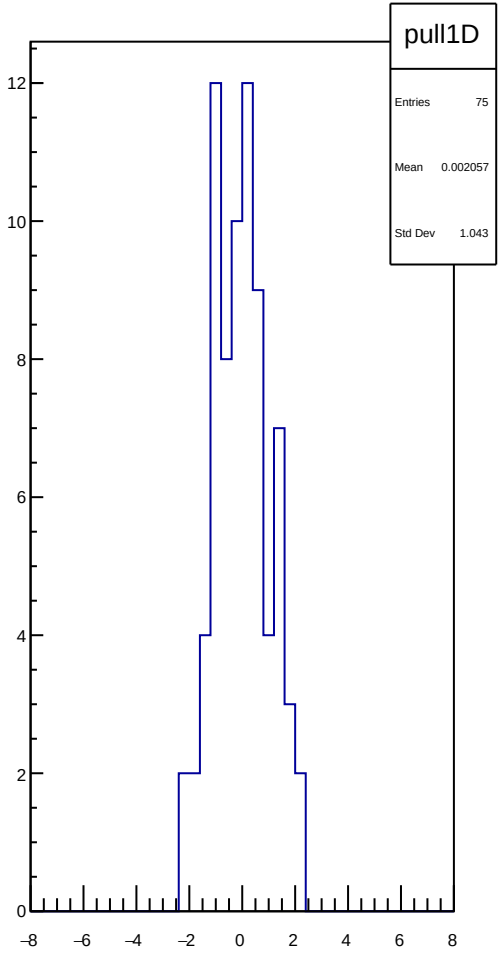

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.4e+05 / 74
p0 1.861e−10 ± 2.031e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

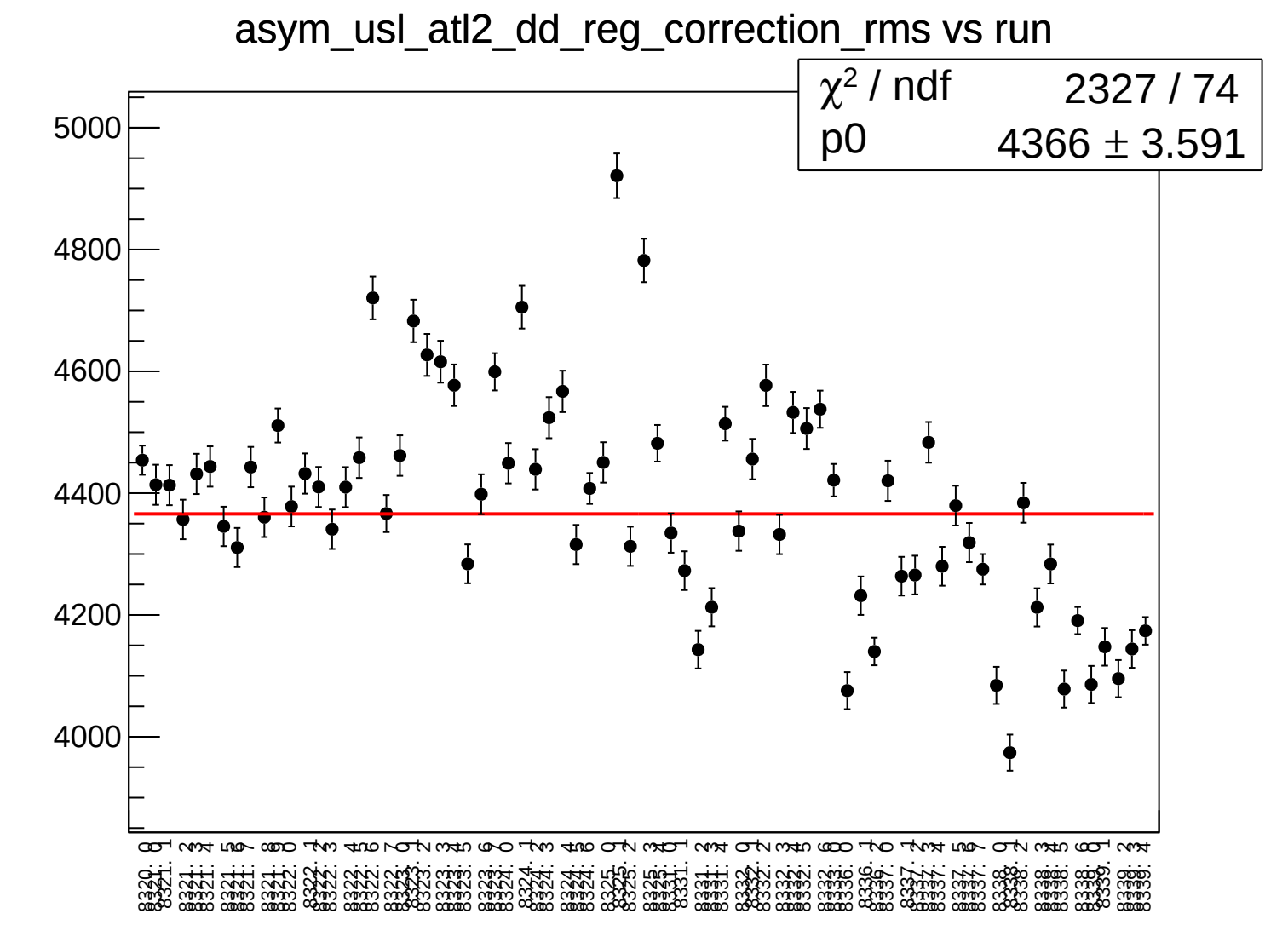

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 79.43 / 74
p0 −1294 ± 1166
pull
Entries 75
Mean 297.1
Std Dev 0

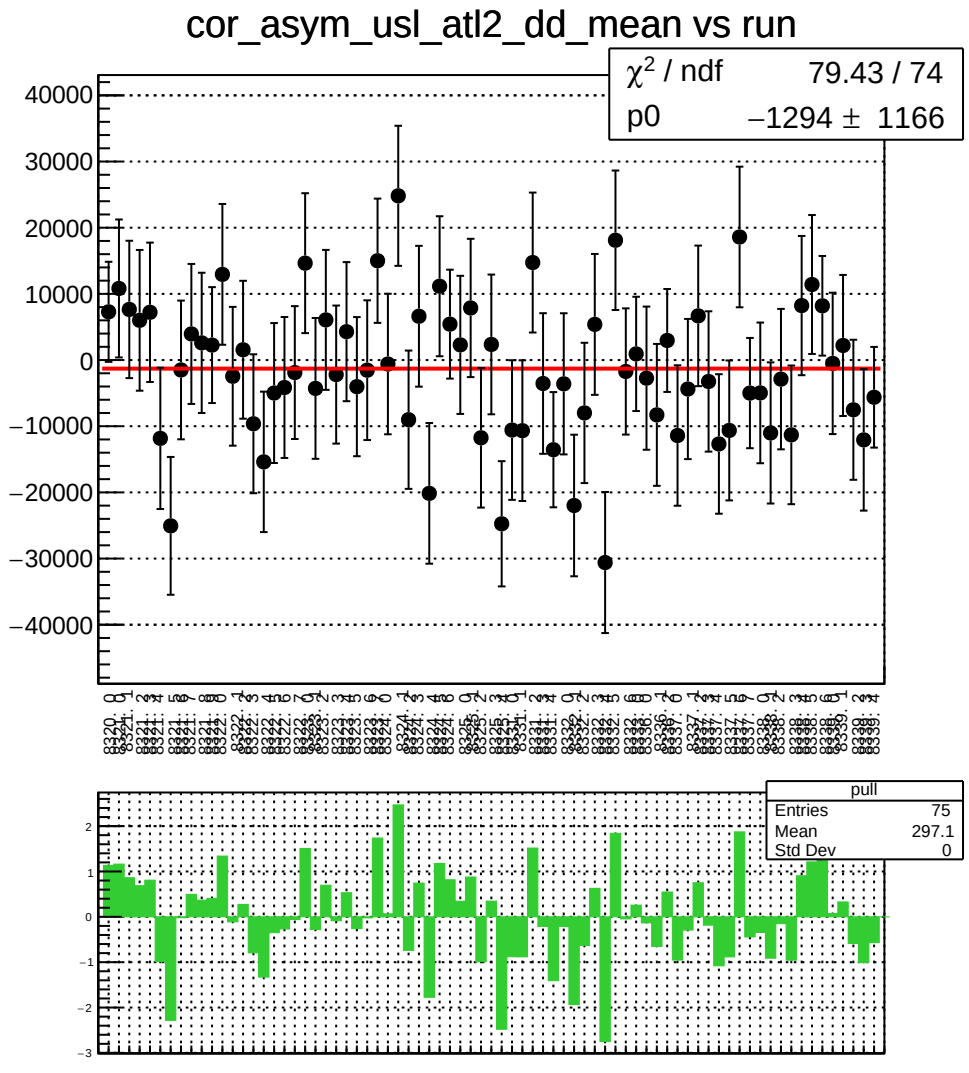

pull1D
Entries 75
Mean −0.01197
Std Dev 1.029

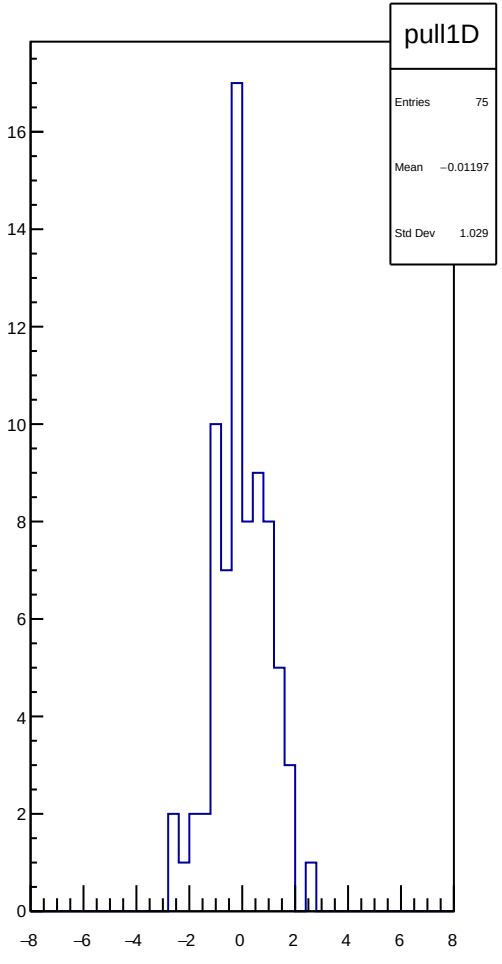

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 92.86 / 74
p0 1003 ± 0.8246
1030
1020
1010
1000
990
980

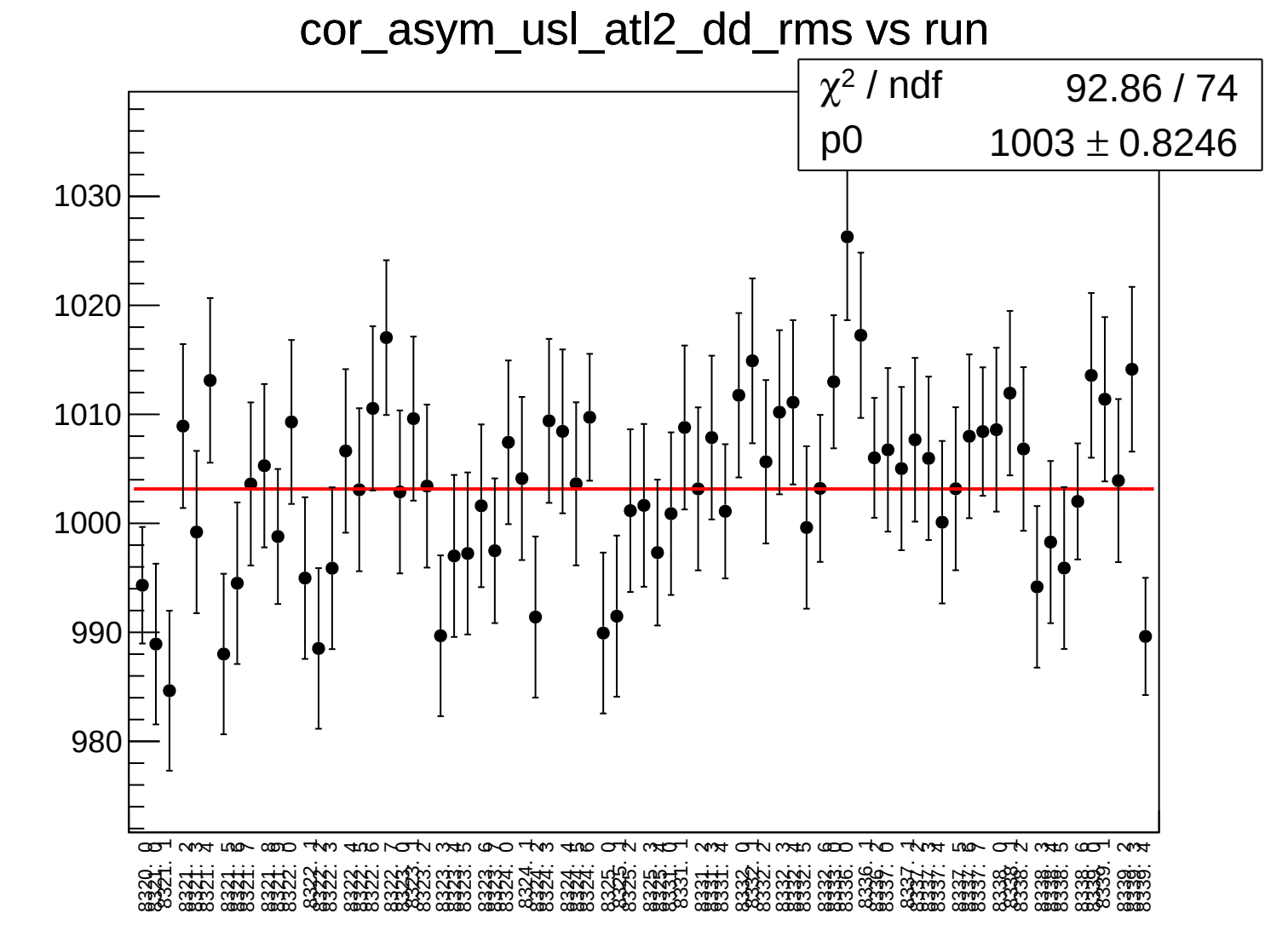

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.57 / 74
p0 7476 ± 5079
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 529.1
Std Dev 0
2
1
0
−1
−2

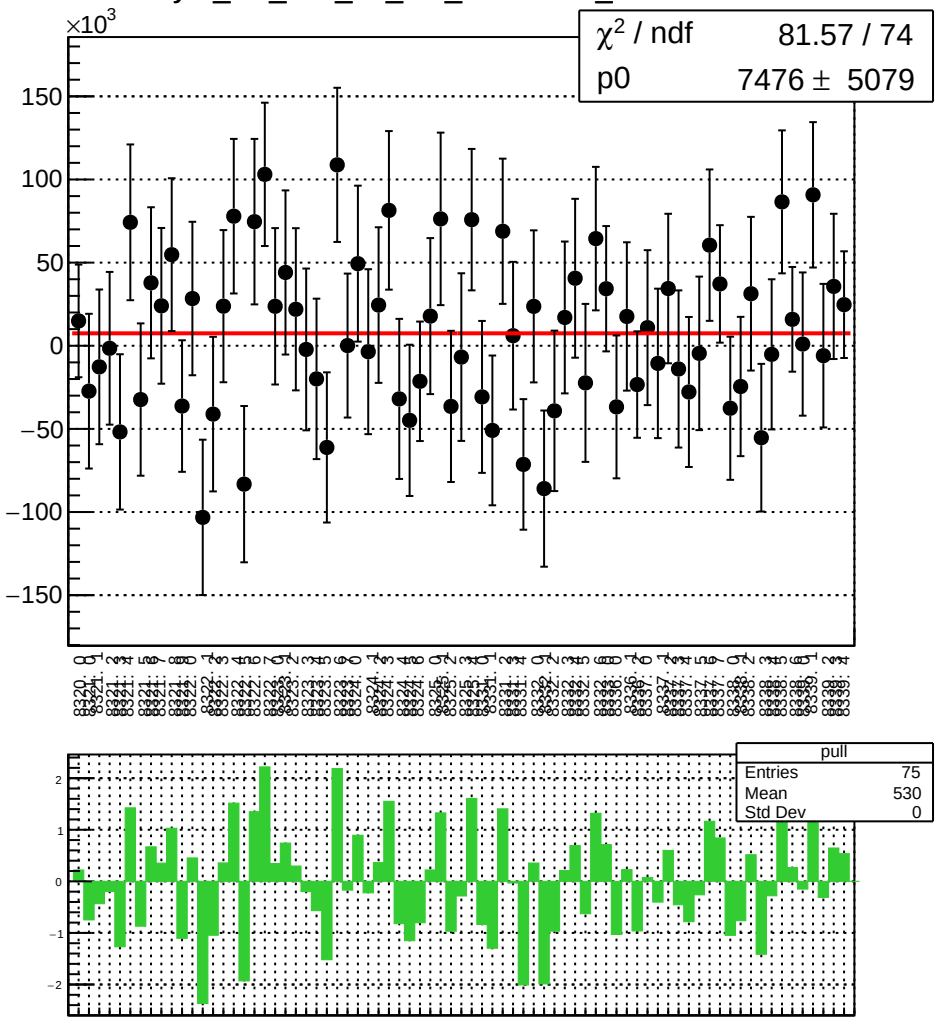

pull1D
Entries 75
Mean 0.002057
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

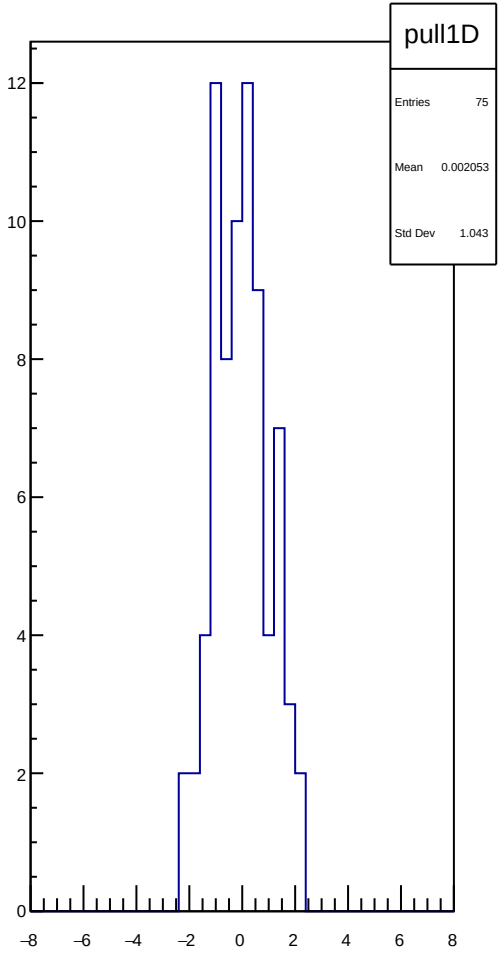

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2327 / 74
p0 4366 ± 3.591
5000
4800
4600
4400
4200
4000

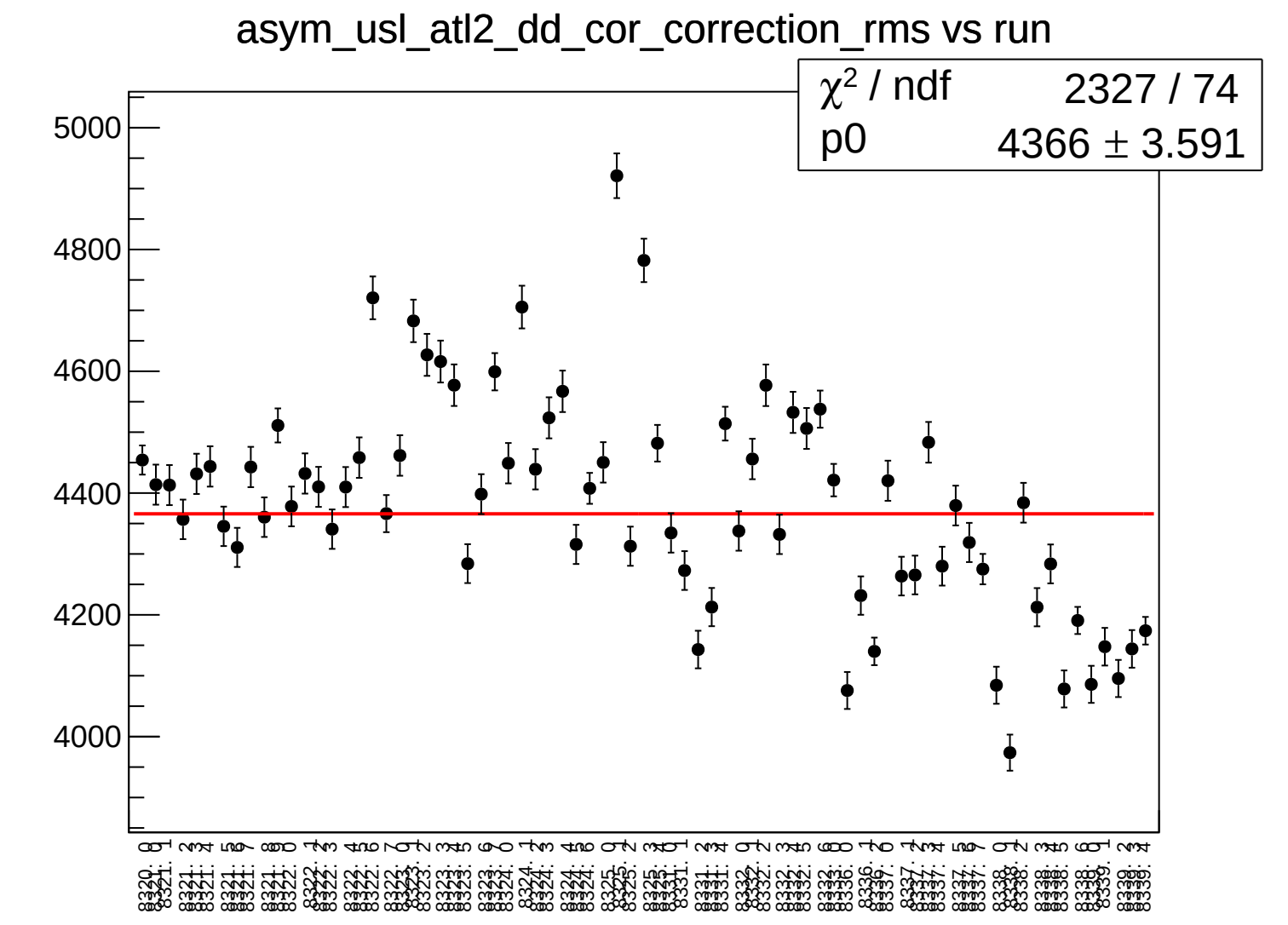

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 79.43 / 74
p0 −1294 ± 1166
pull
Entries 75
Mean 297.1
Std Dev 0

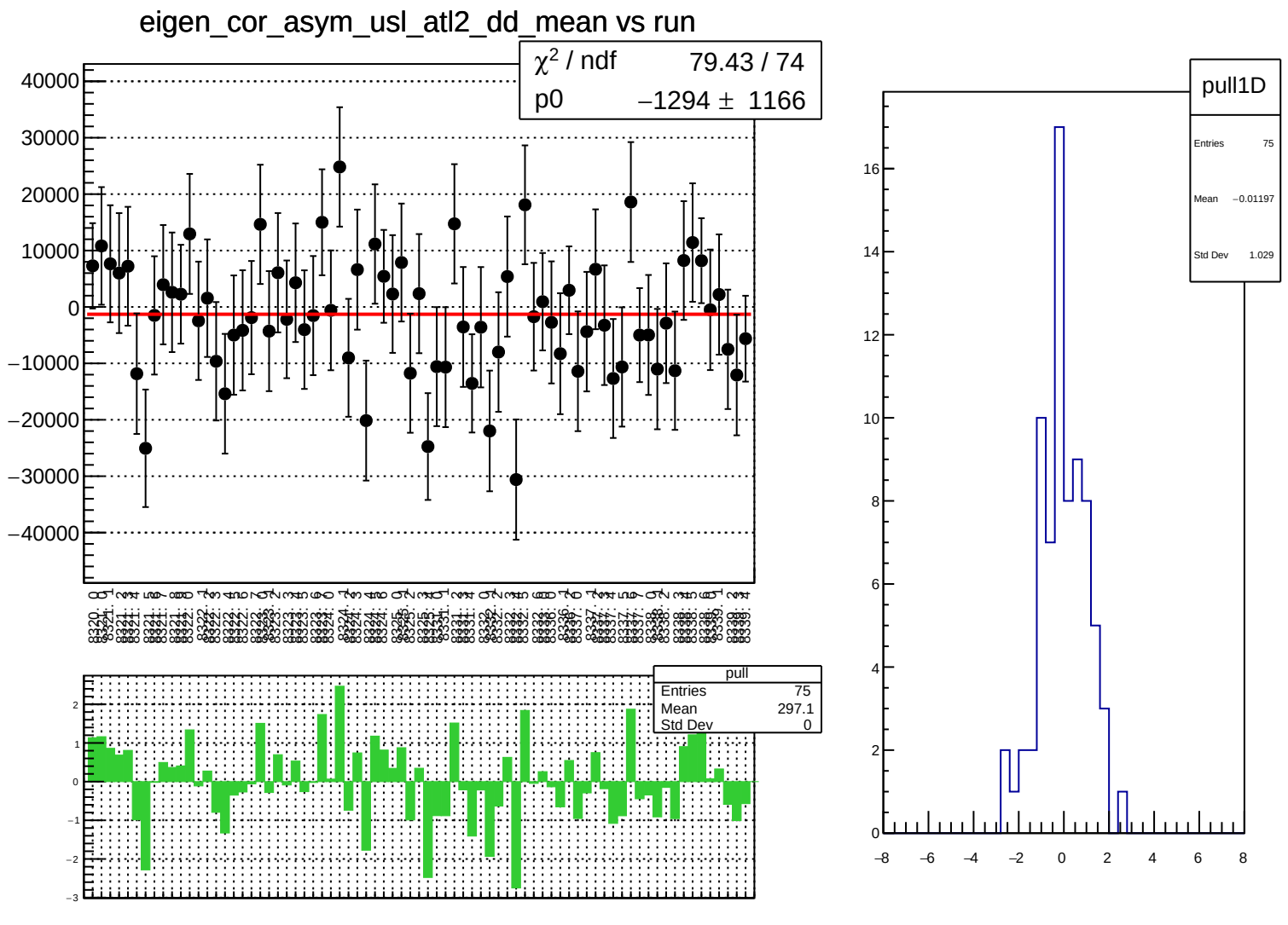

pull1D
Entries 75
Mean −0.01197
Std Dev 1.029

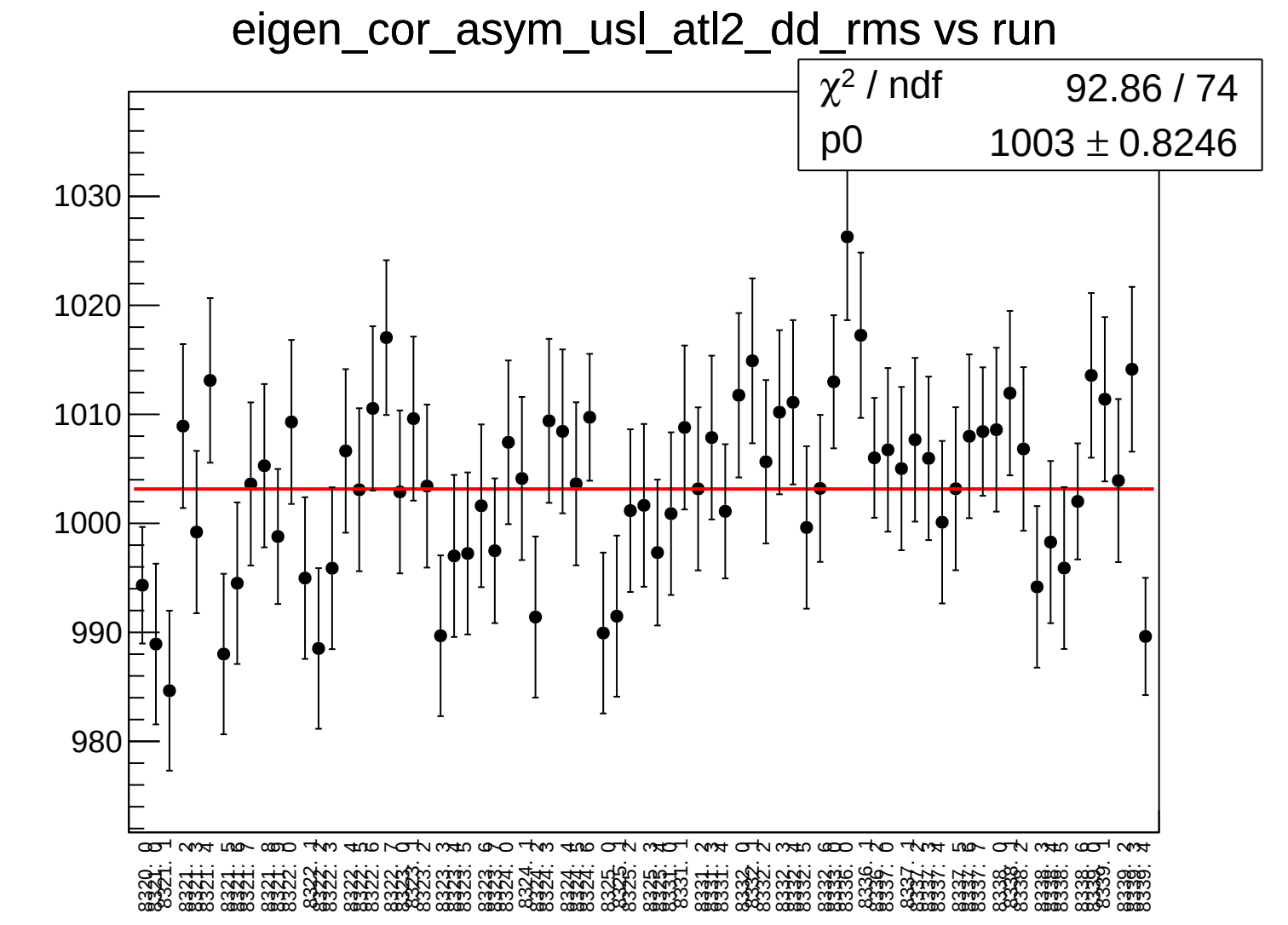

cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 92.86 / 74
p0 1003 ± 0.8246
1030
1020
1010
1000
990
980

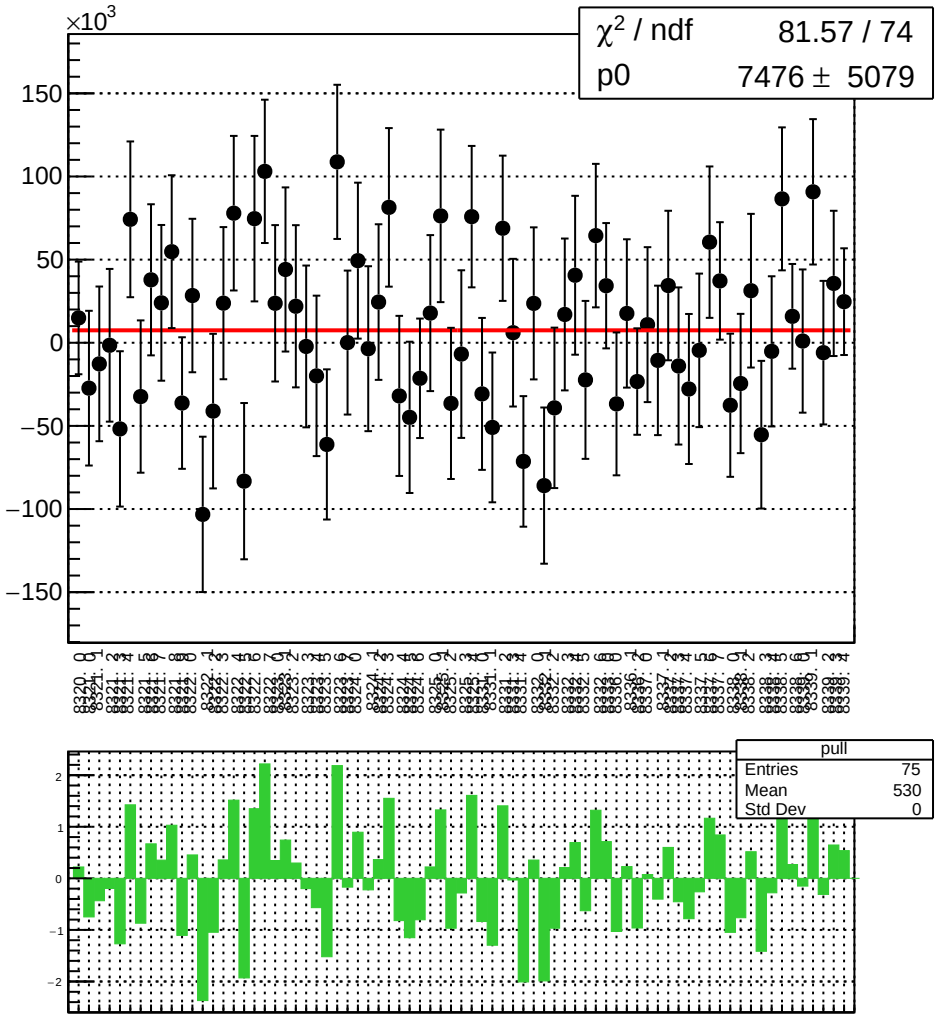

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.57 / 74
p0 7476 ± 5079
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 530
Std Dev 0
2
1
0
−1
−2

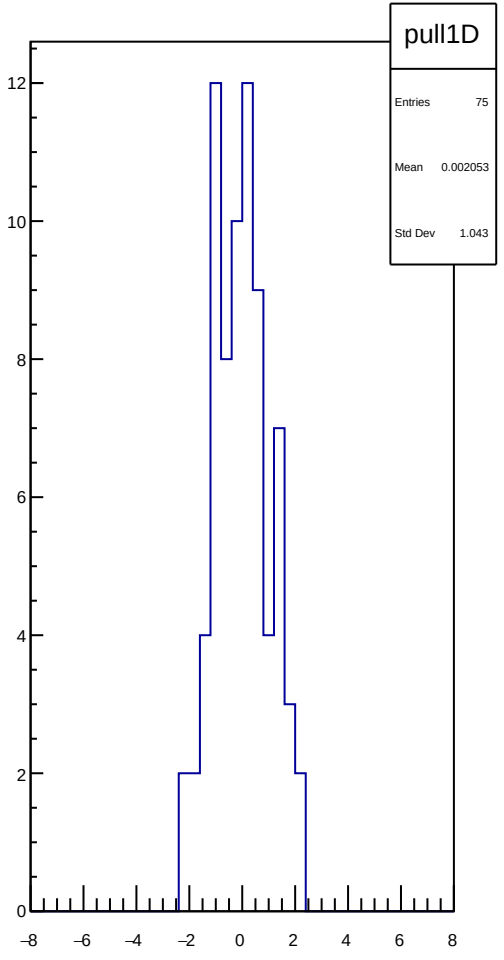

pull1D
Entries 75
Mean 0.002053
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

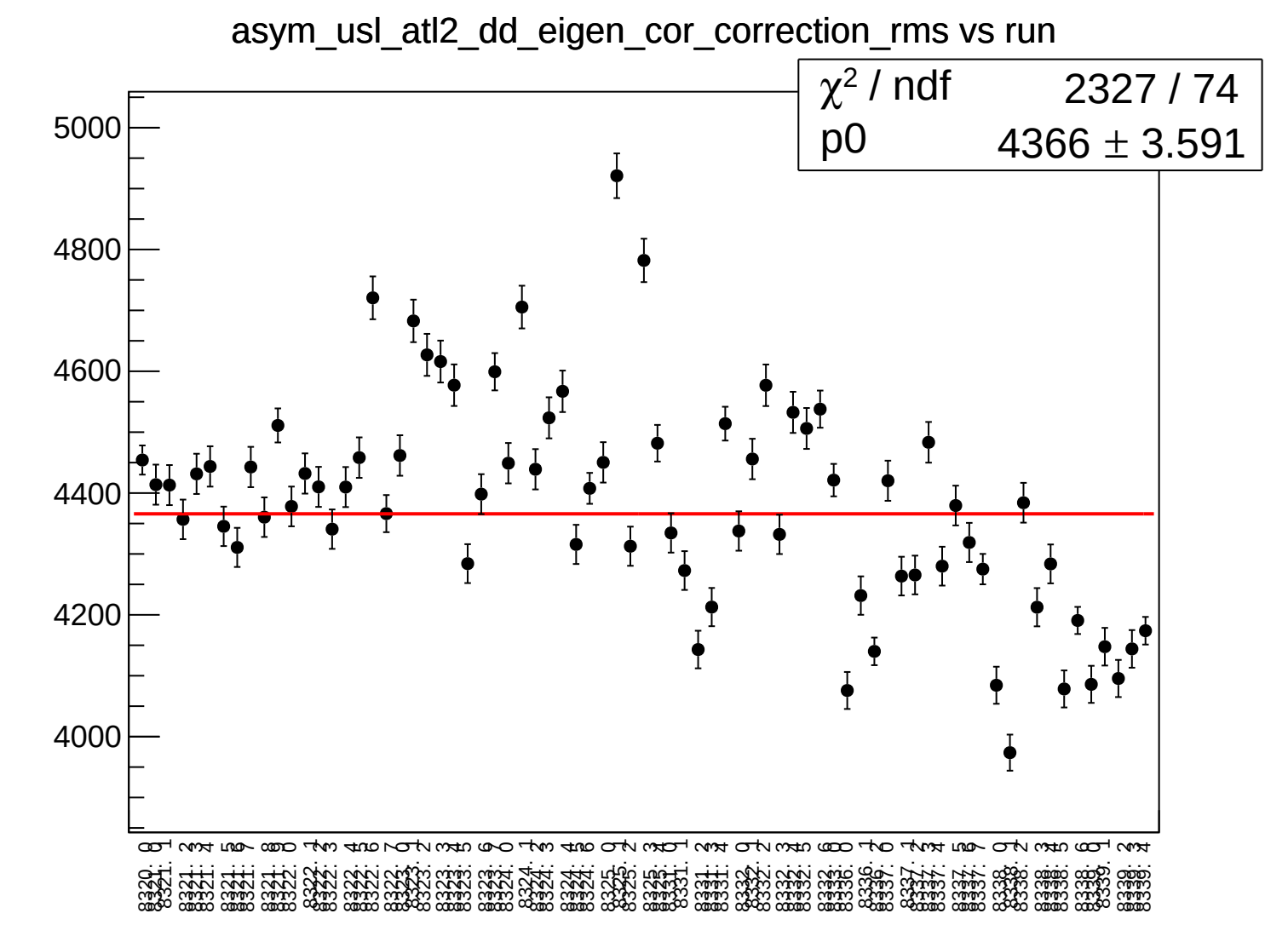

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2327 / 74
p0 4366 ± 3.591
5000
4800
4600
4400
4200
4000

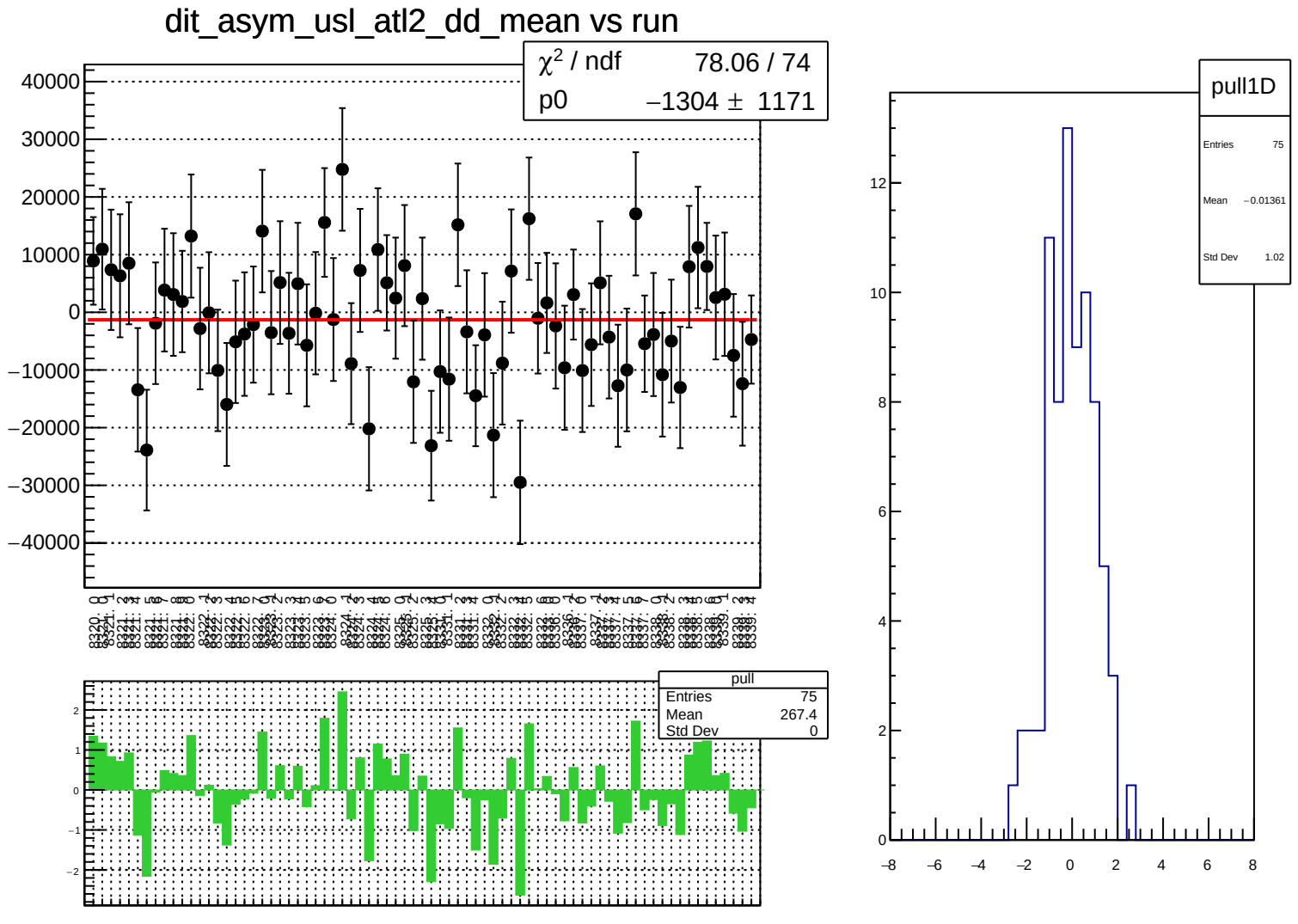

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 79.43 / 74
p0 −1294 ± 1166
pull
Entries 75
Mean 297.1
Std Dev 0
pull1D
Entries 75
Mean −0.01197
Std Dev 1.029

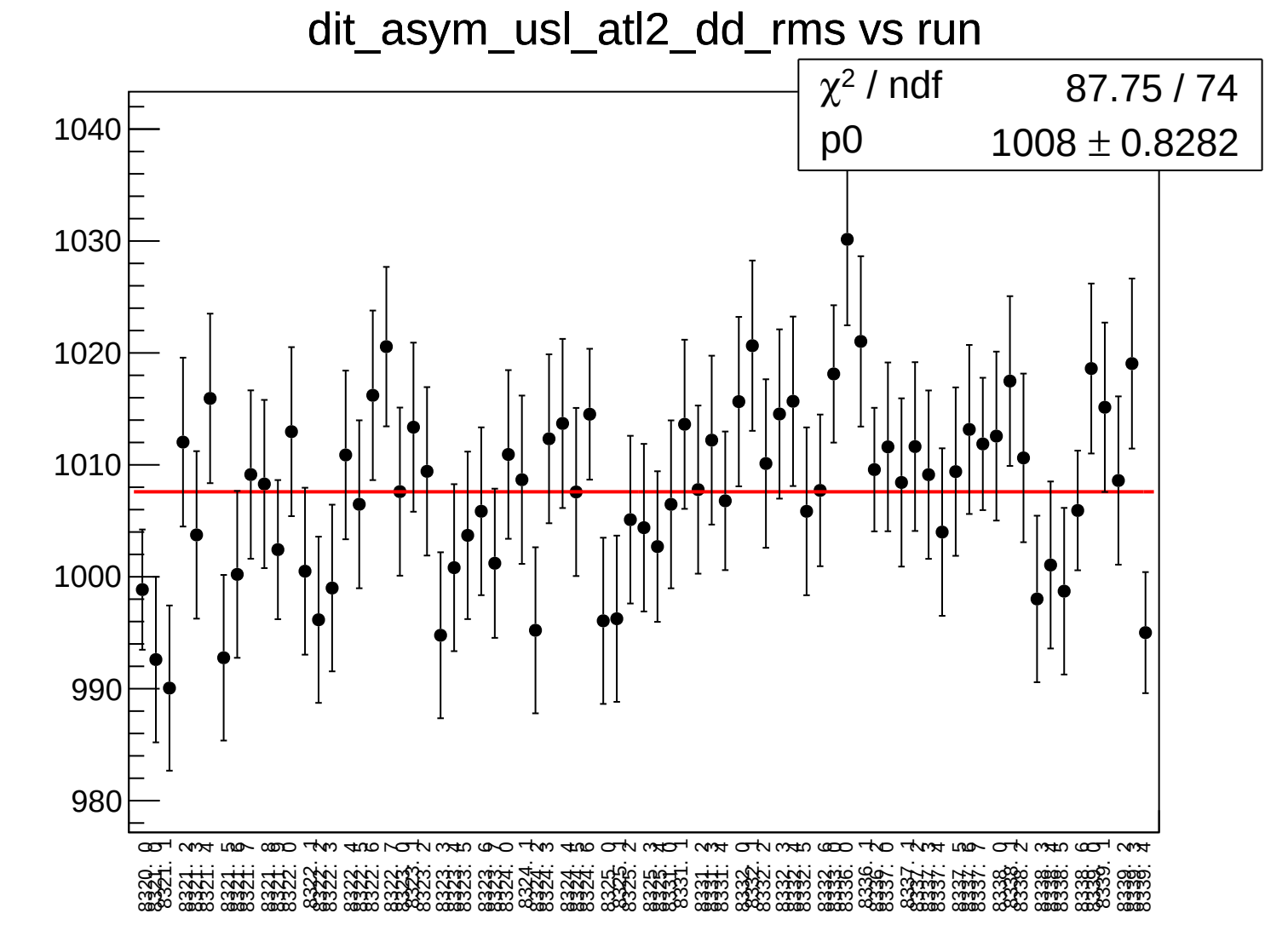

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 92.86 / 74
p0 1003 ± 0.8246
1030
1020
1010
1000
990
980

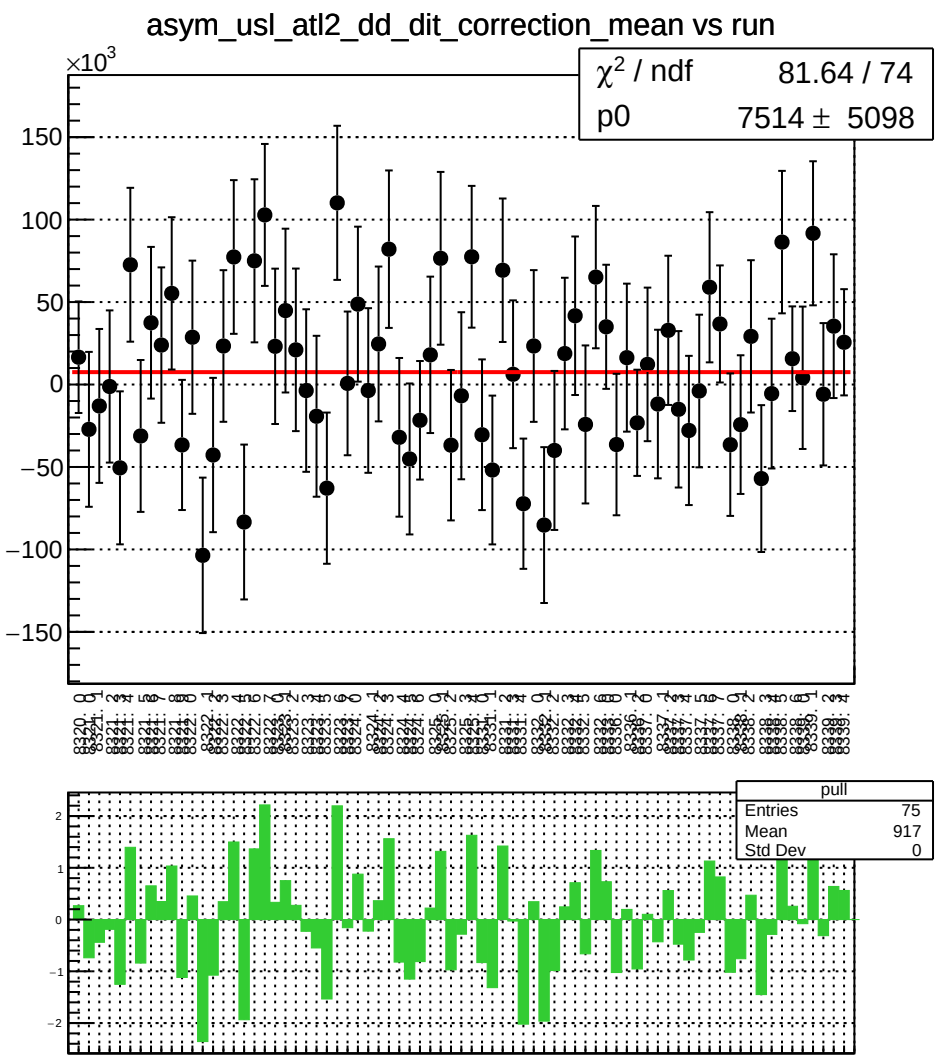

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 81.57 / 74
p0 7476 ± 5079
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 530
Std Dev 0
2
1
0
−1
−2

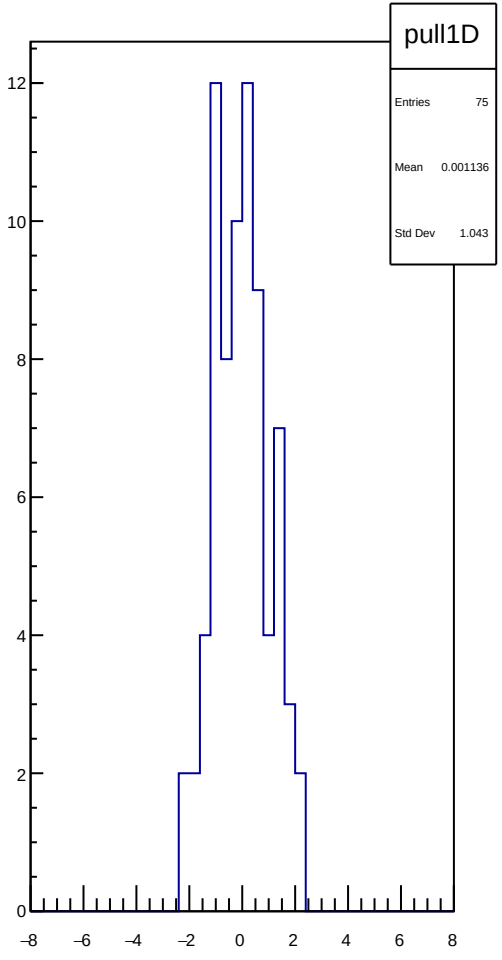

pull1D
Entries 75
Mean 0.002053
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

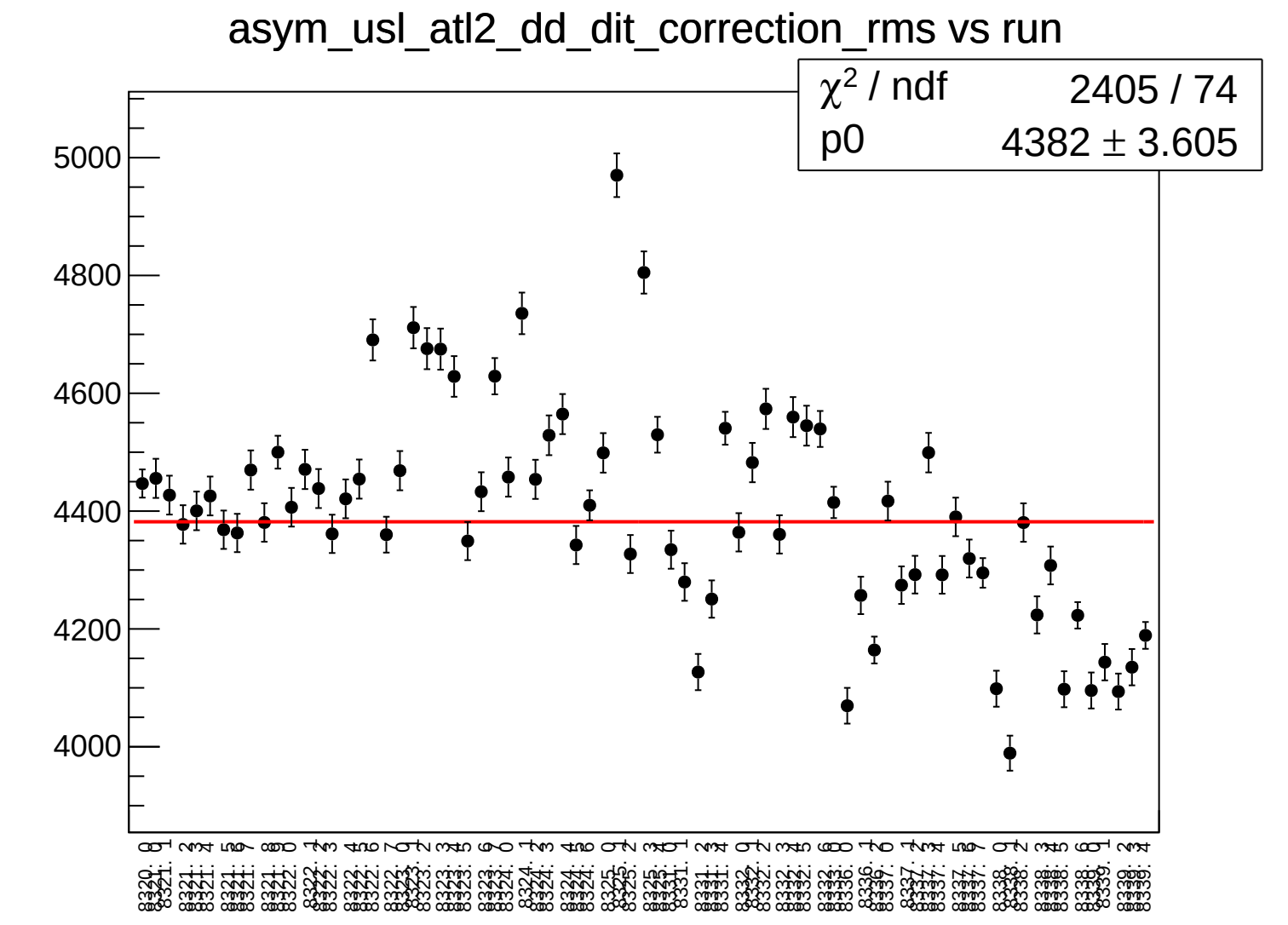

asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2327 / 74
p0 4366 ± 3.591
5000
4800
4600
4400
4200
4000

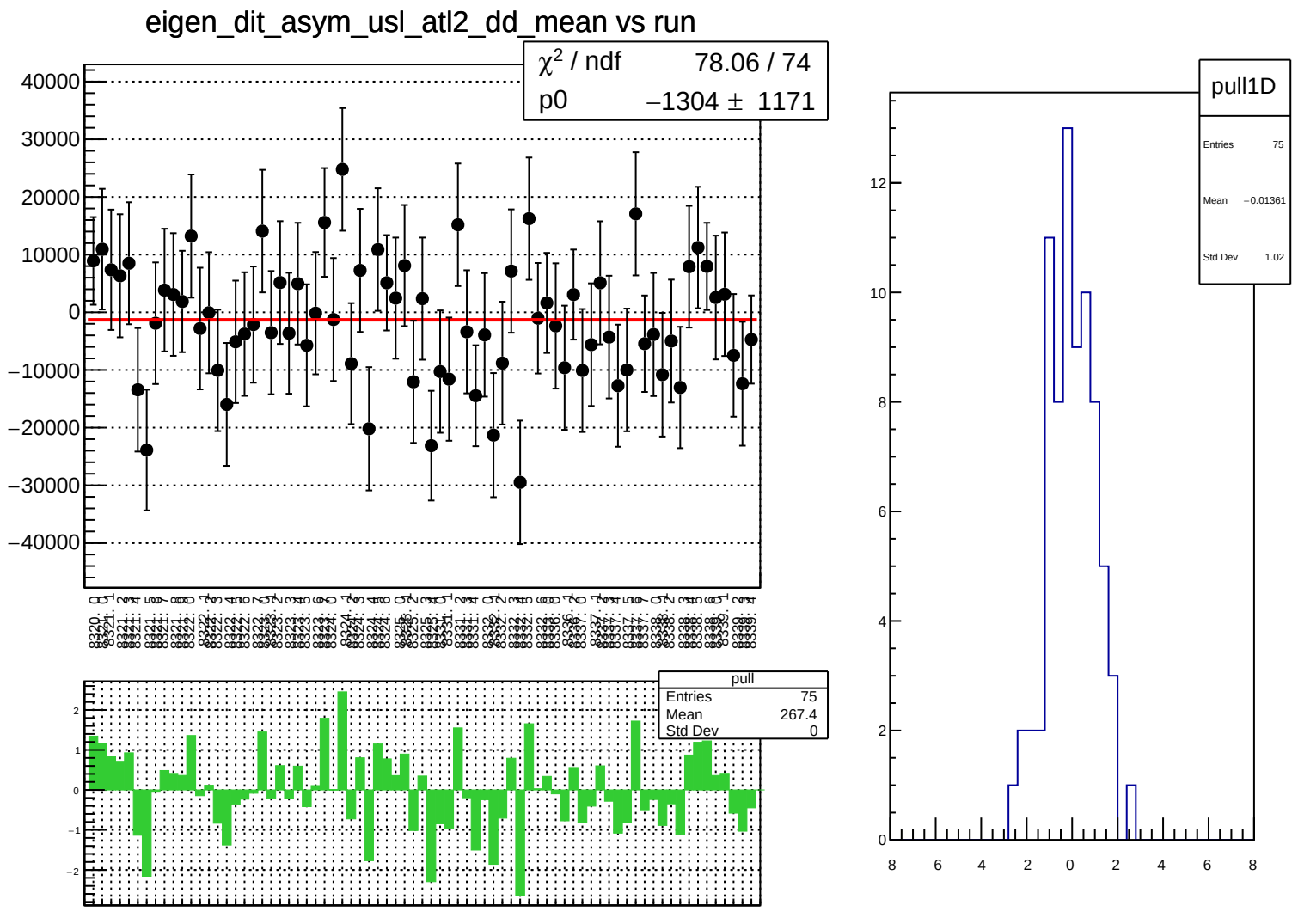

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 78.06 / 74
p0 −1304 ± 1171
pull
Entries 75
Mean 267.4
Std Dev 0
pull1D
Entries 75
Mean −0.01361
Std Dev 1.02

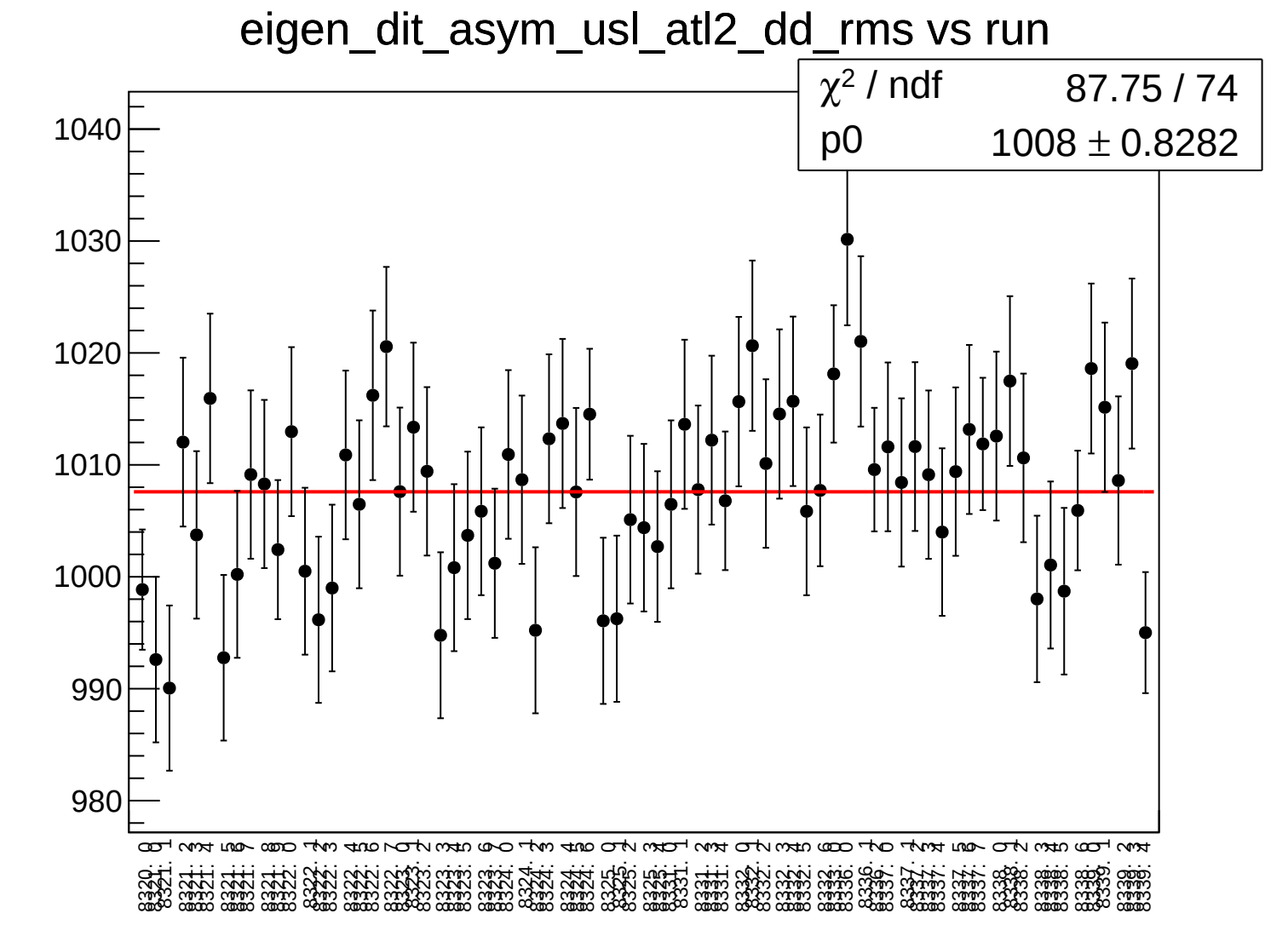

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 87.75 / 74
p0 1008 ± 0.8282
1040
1030
1020
1010
1000
990
980

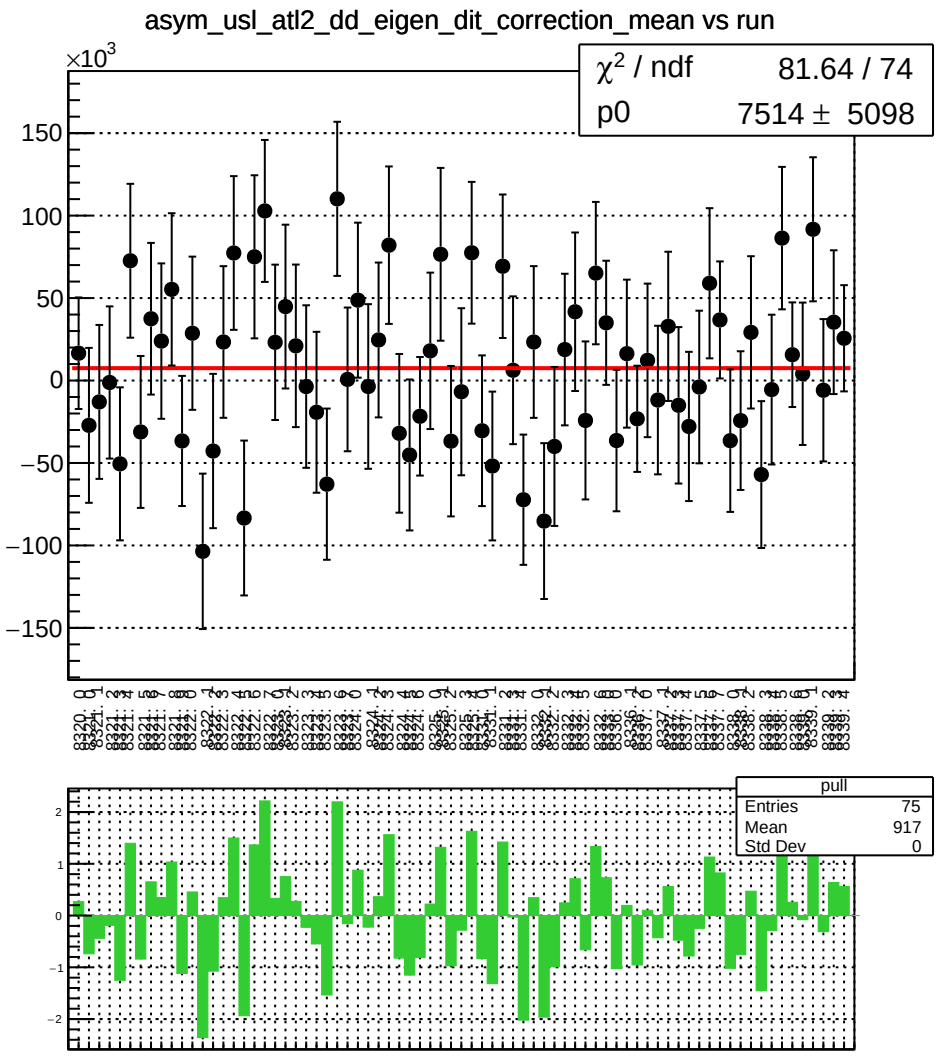

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 81.64 / 74
p0 7514 ± 5098
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 917
Std Dev 0
2
1
0
−1
−2

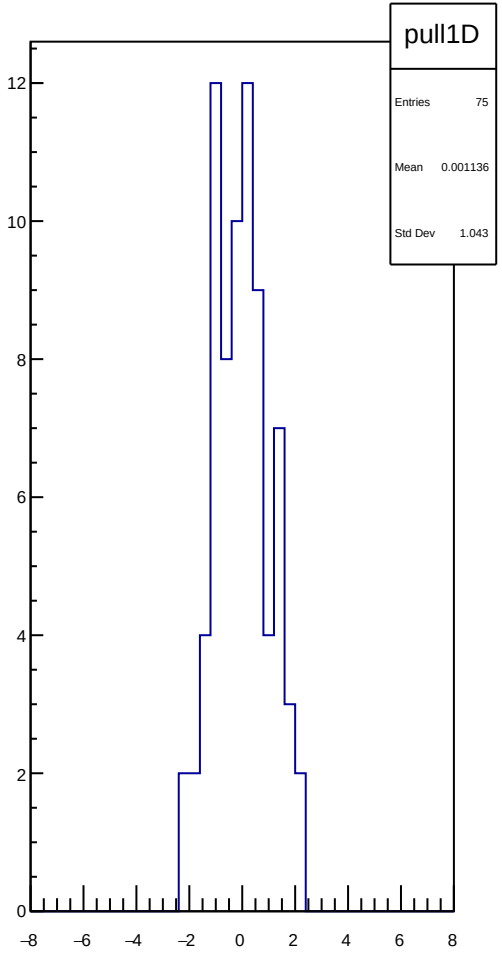

pull1D
Entries 75
Mean 0.001136
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

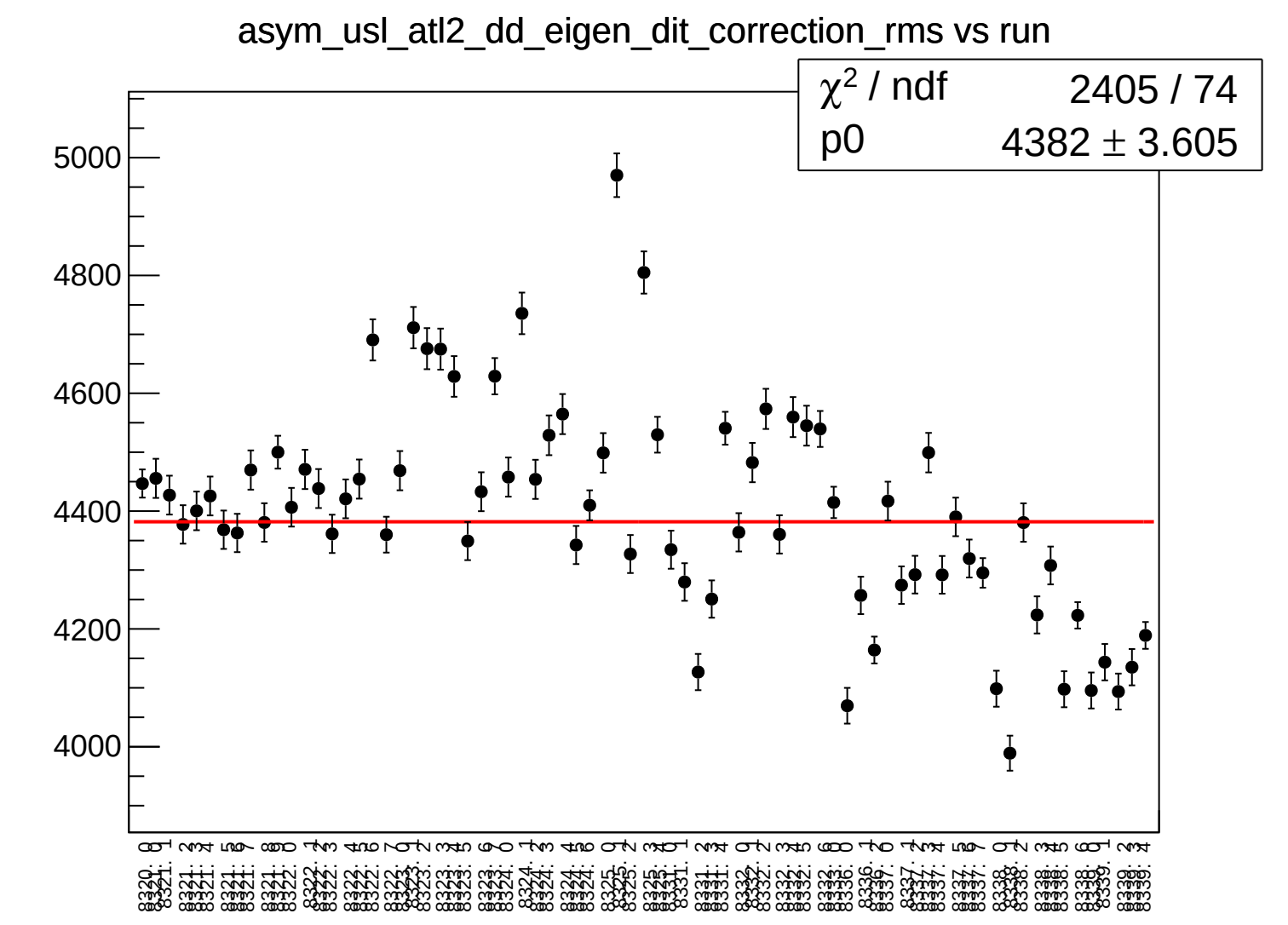

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 2405 / 74
p0 4382 ± 3.605
5000
4800
4600
4400
4200
4000

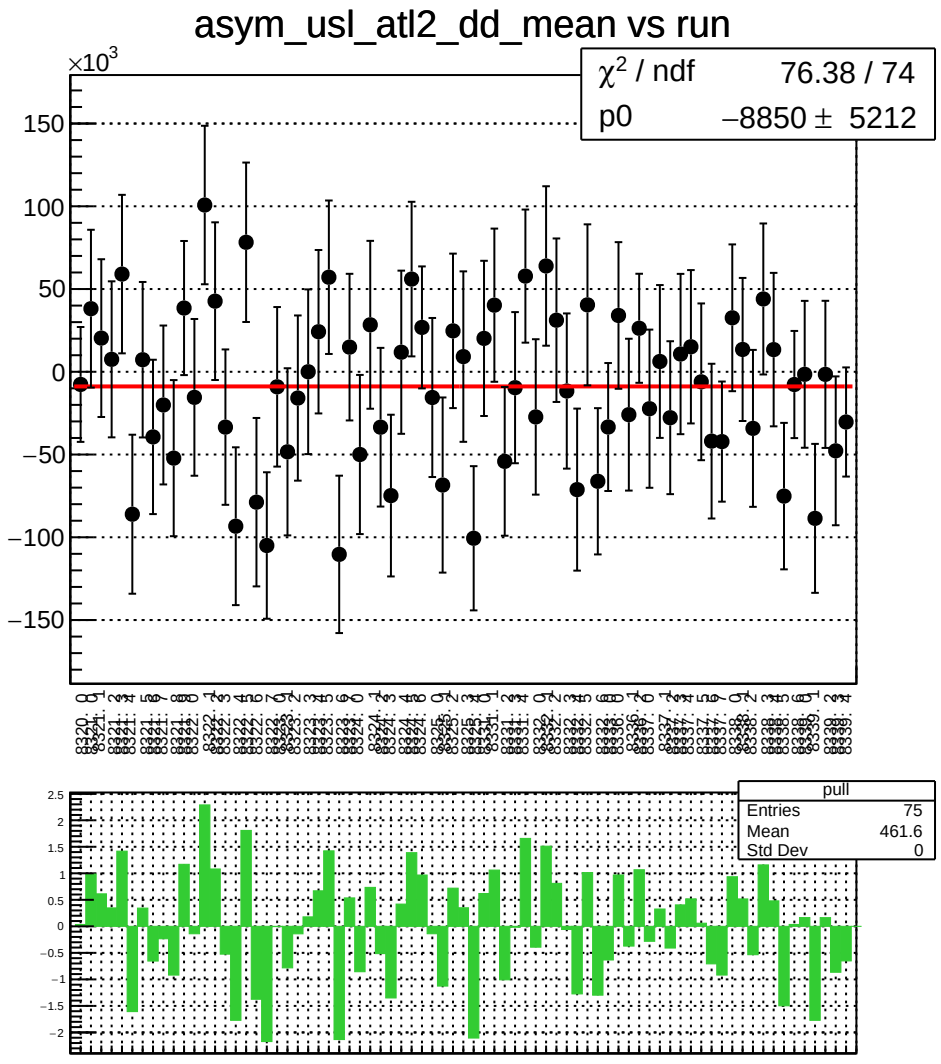

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 78.06 / 74
p0 −1304 ± 1171
pull
Entries 75
Mean 267.4
Std Dev 0
pull1D
Entries 75
Mean −0.01361
Std Dev 1.02

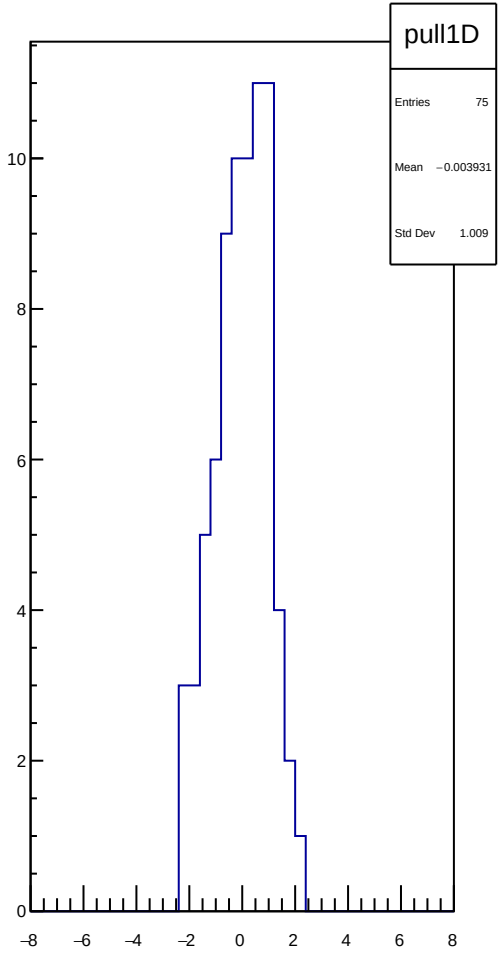

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 87.75 / 74
p0 1008 ± 0.8282
1040
1030
1020
1010
1000
990
980

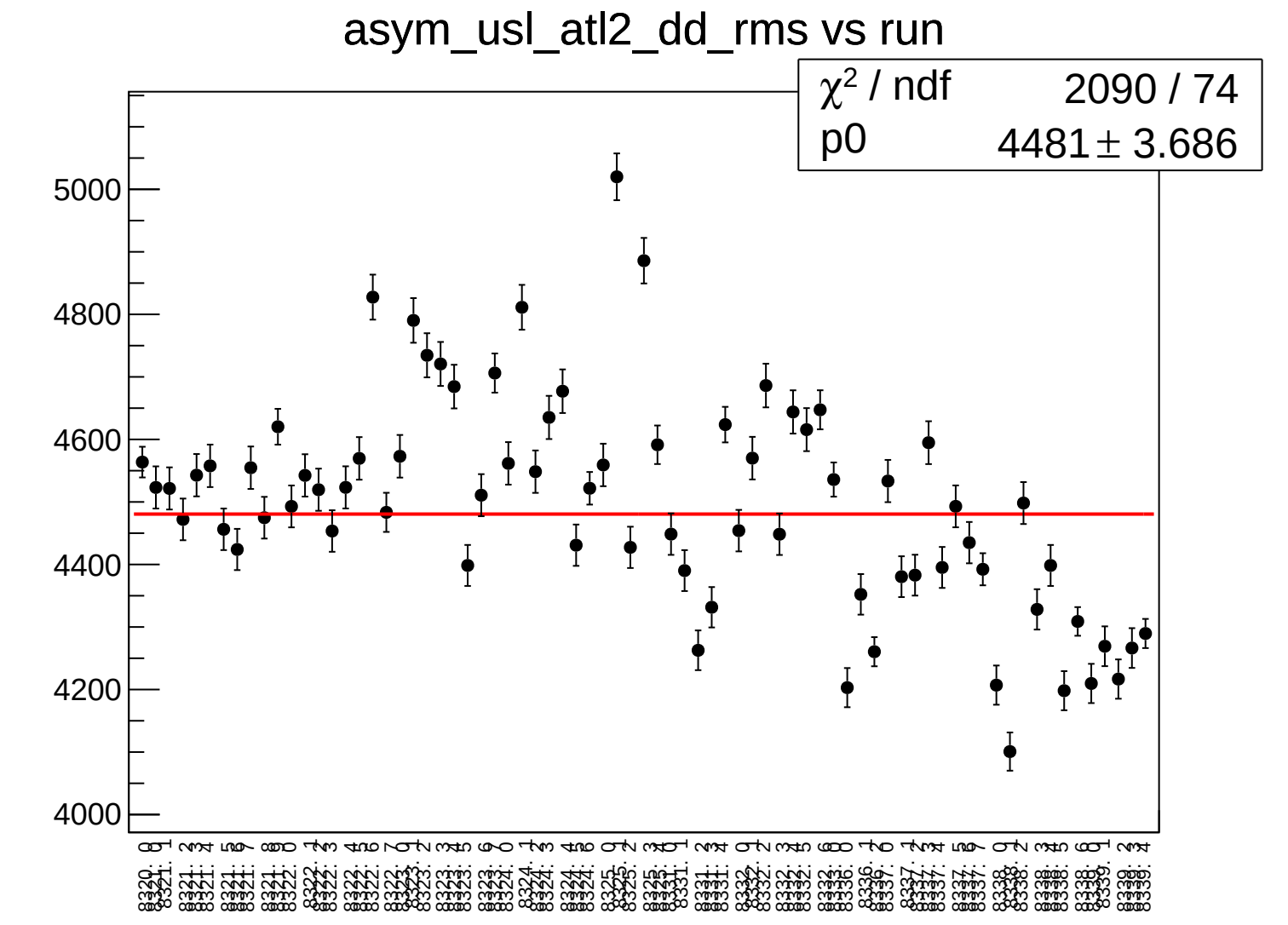

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.64 / 74
p0 7514 ± 5098
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 917
Std Dev 0
2
1
0
−1
−2

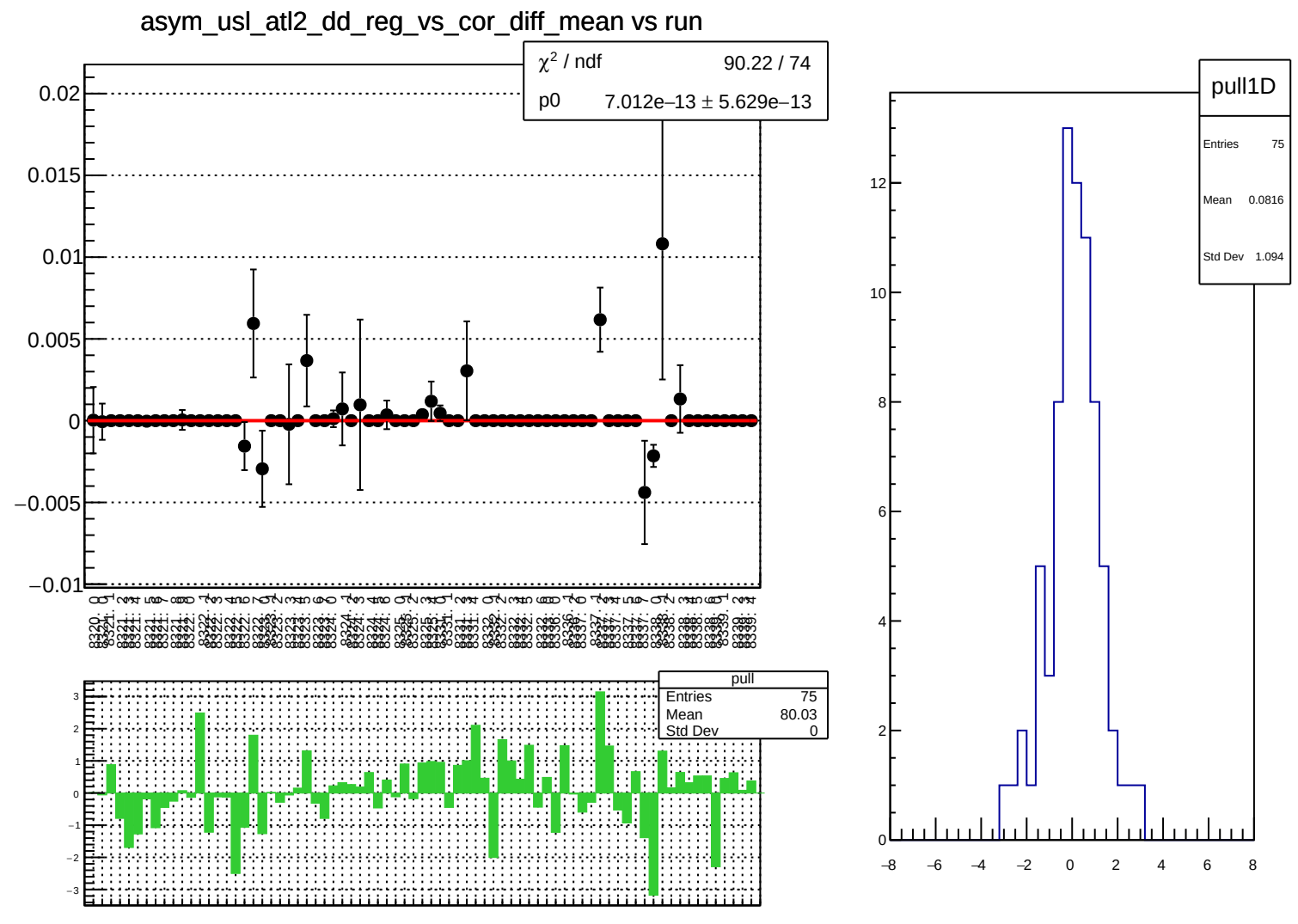

pull1D
Entries 75
Mean 0.001136
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

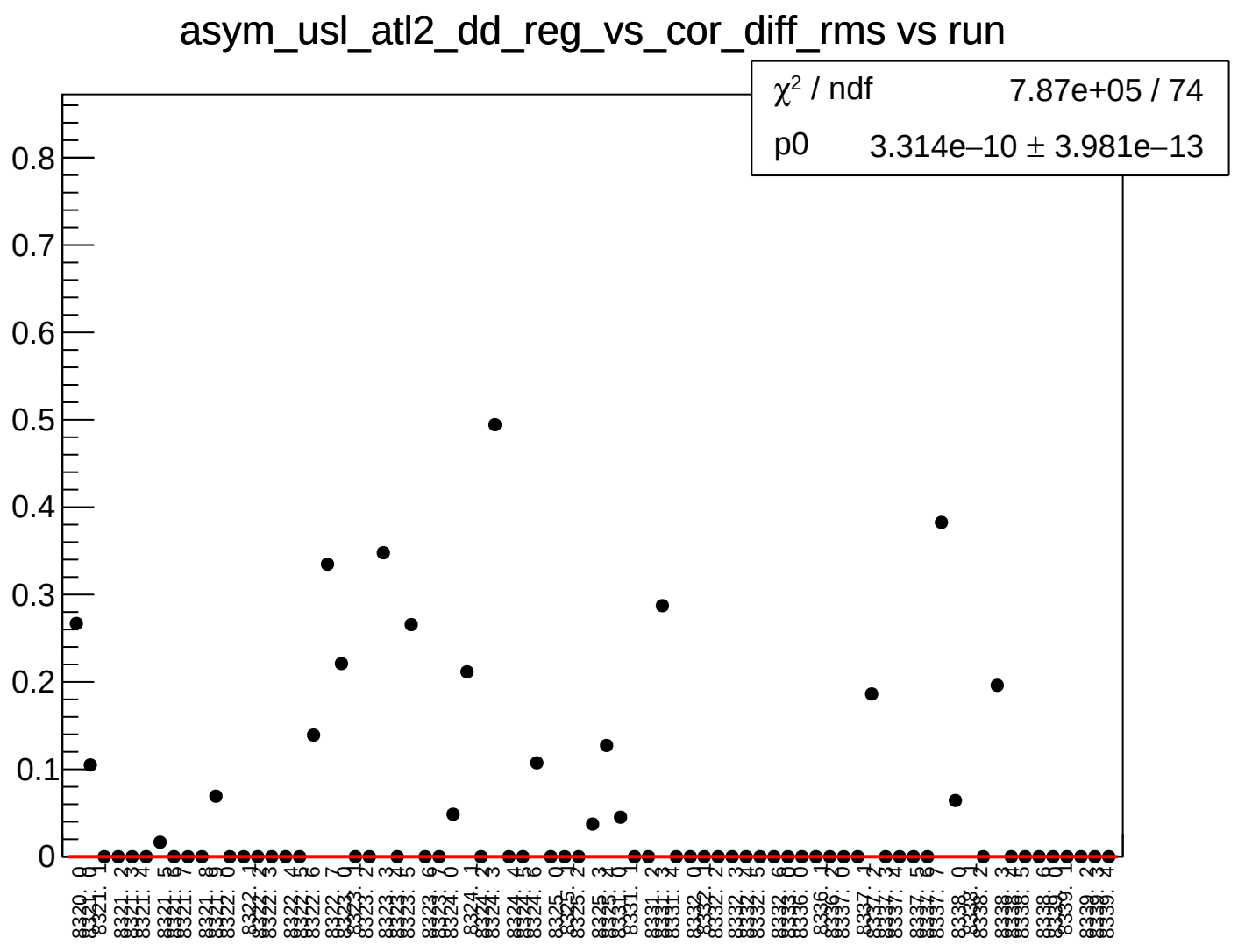

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2405 / 74
p0 4382 ± 3.605
5000
4800
4600
4400
4200
4000

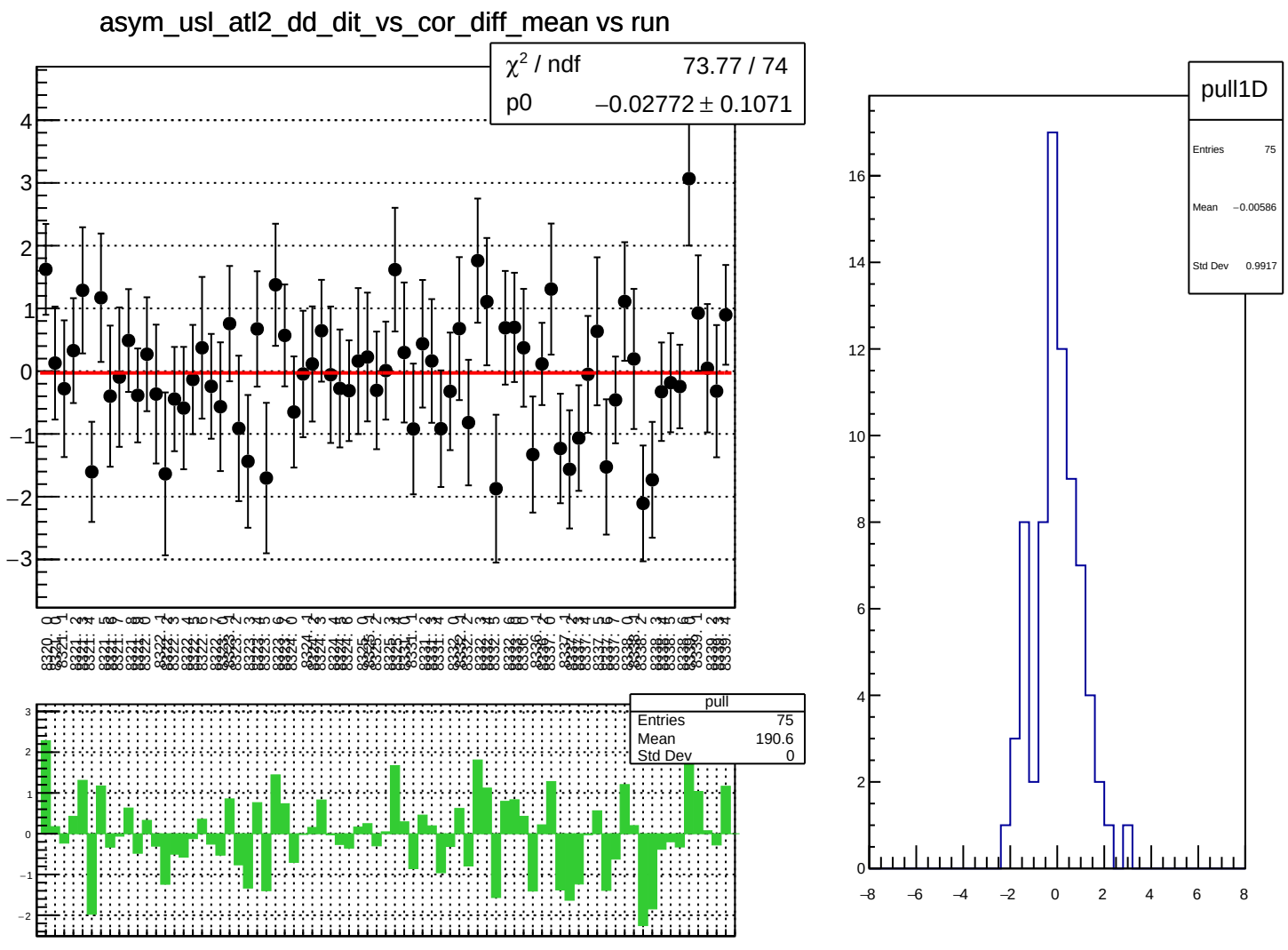

asym_usl_atl2_dd_mean vs run
×10^3
χ² / ndf 76.38 / 74
p0 −8850 ± 5212
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 461.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

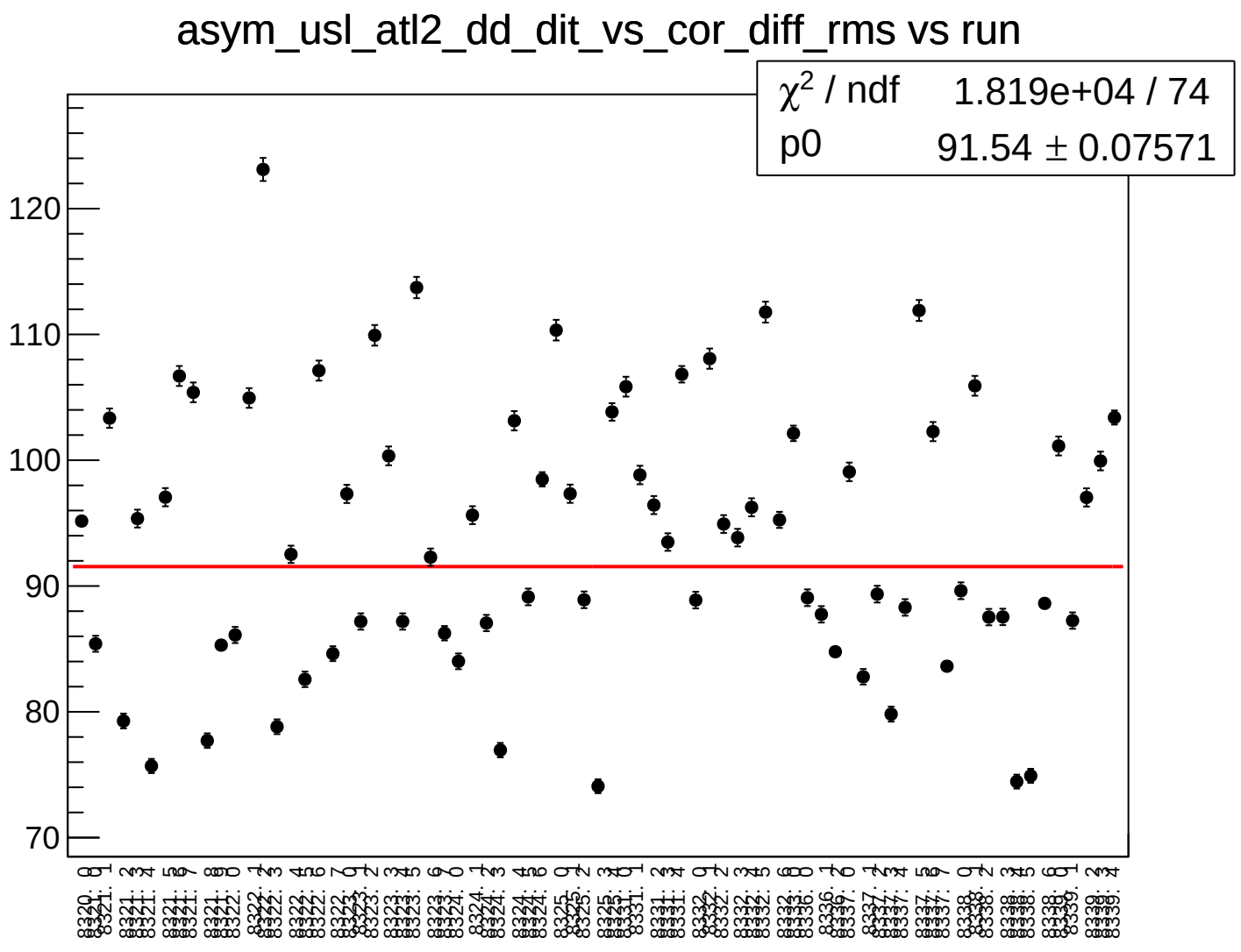

pull1D
Entries 75
Mean −0.003931
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

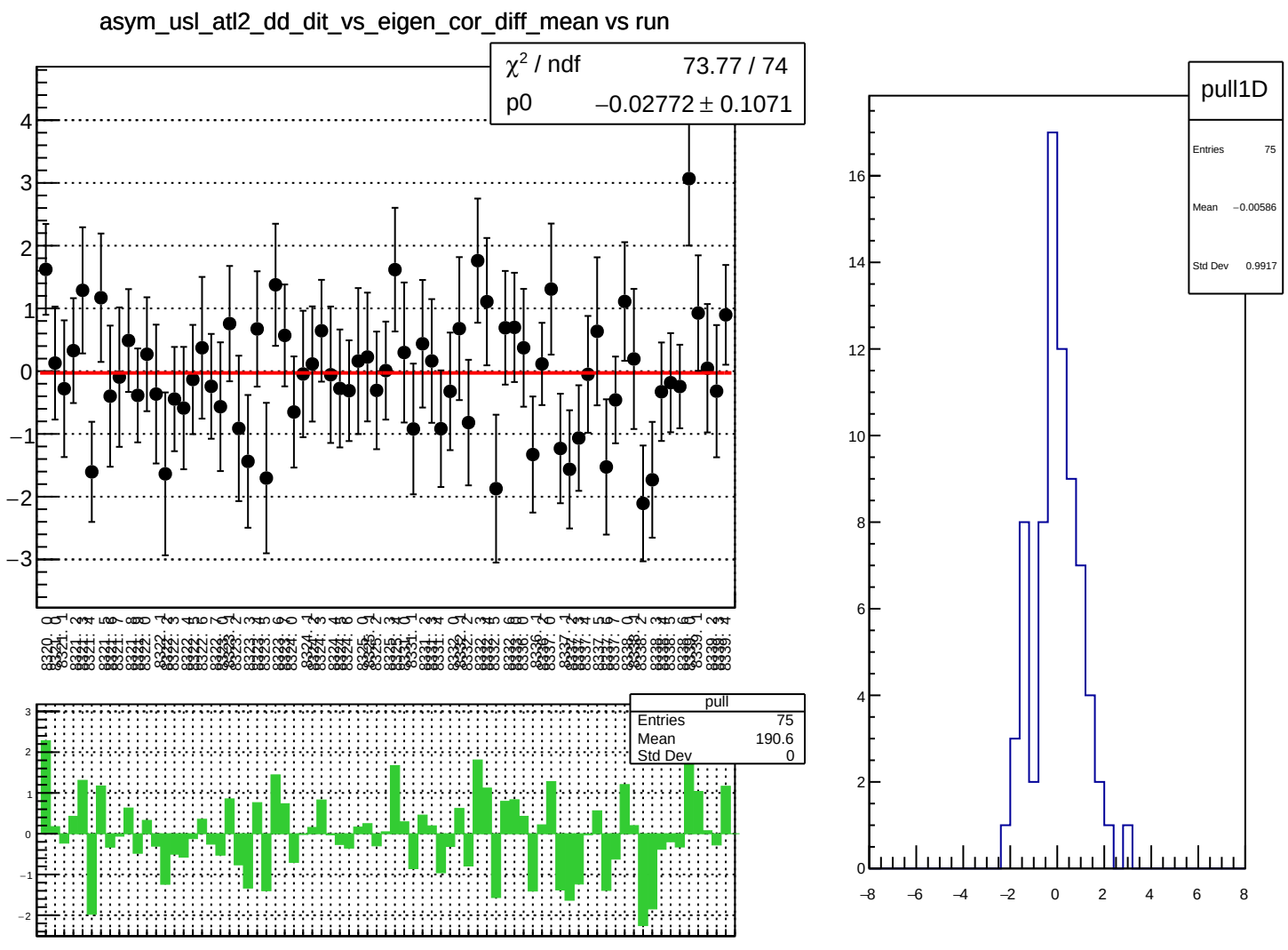

asym_usl_atl2_dd_rms vs run
χ² / ndf 2090 / 74
p0 4481 ± 3.686
5000
4800
4600
4400
4200
4000

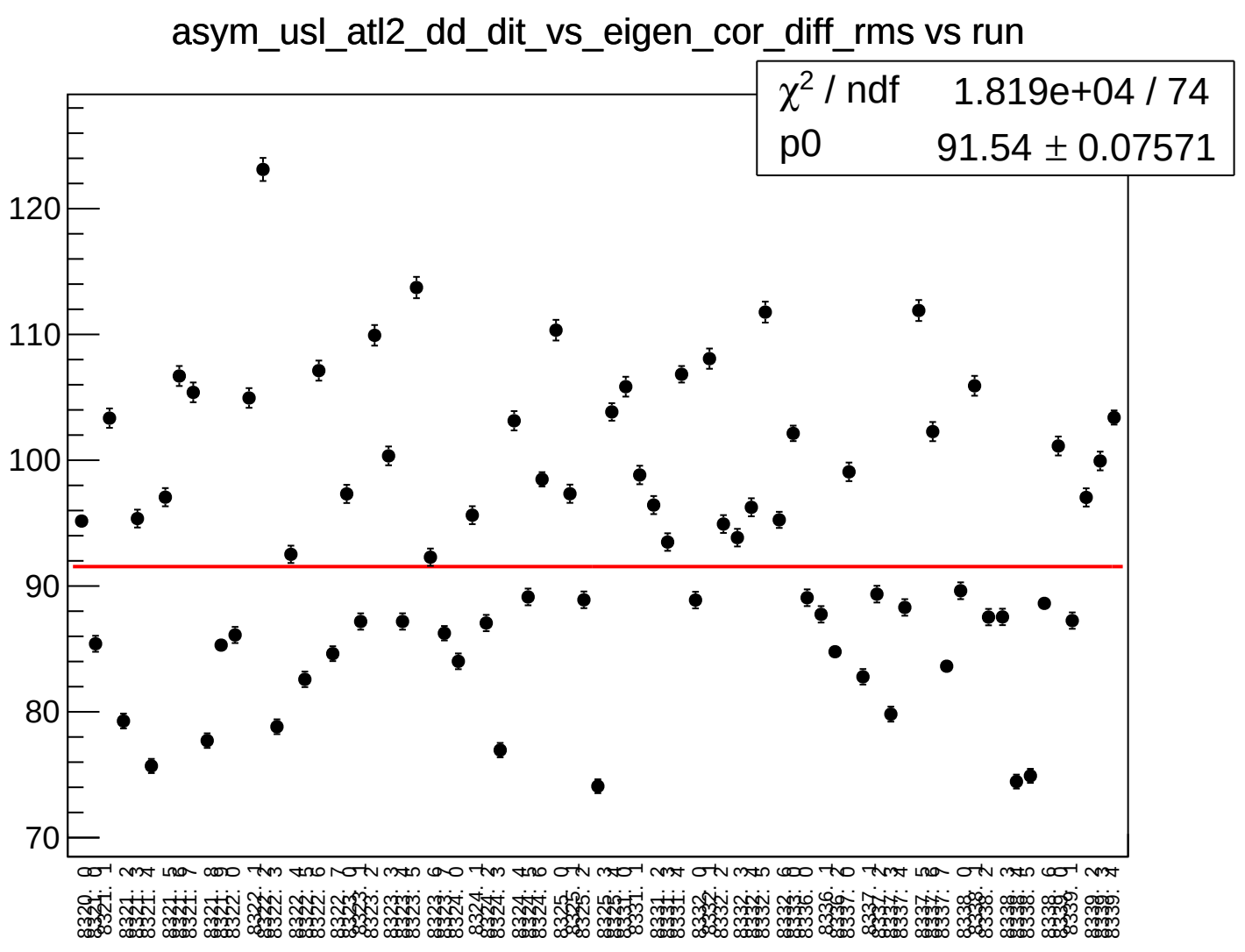

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 90.22 / 74
p0 7.012e−13 ± 5.629e−13
pull
Entries 75
Mean 80.03
Std Dev 0
pull1D
Entries 75
Mean 0.0816
Std Dev 1.094

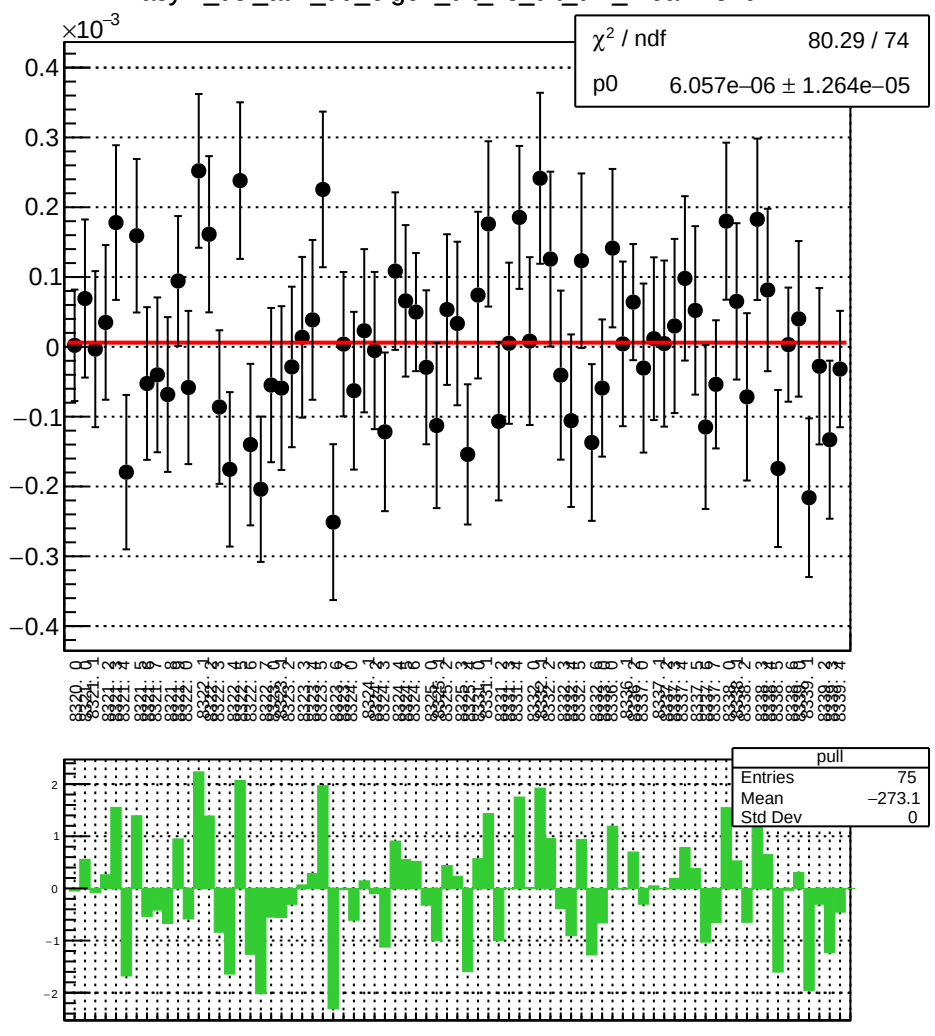

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.87e+05 / 74
p0 3.314e−10 ± 3.981e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

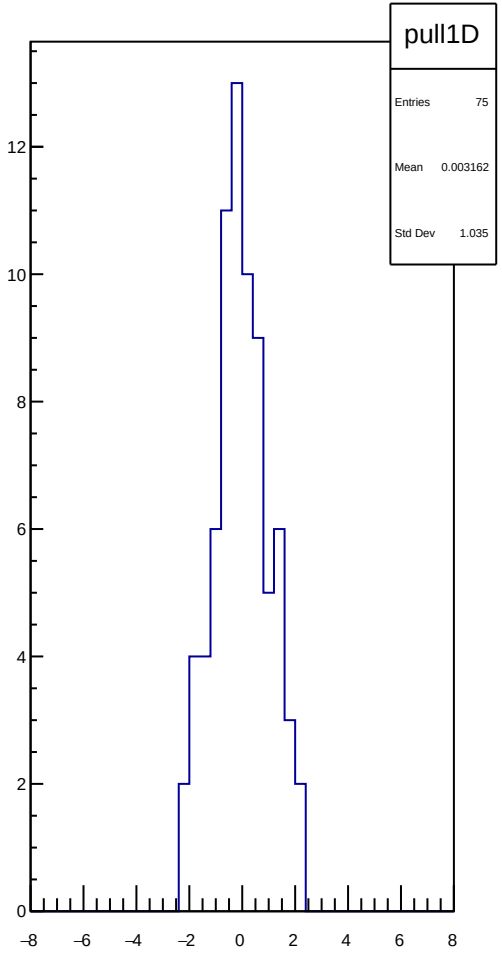

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.77 / 74
p0 −0.02772 ± 0.1071
pull
Entries 75
Mean 190.6
Std Dev 0
pull1D
Entries 75
Mean −0.00586
Std Dev 0.9917

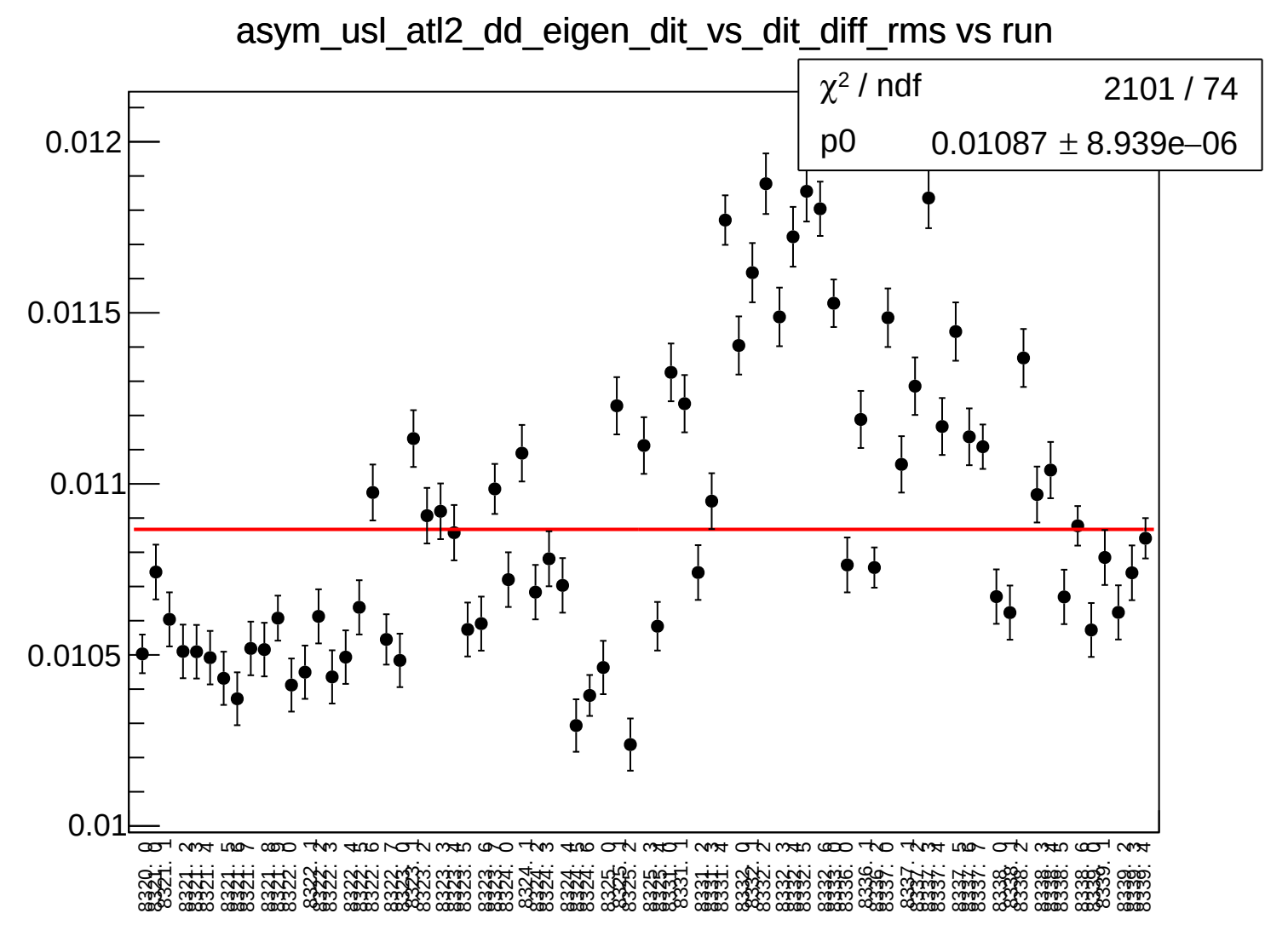

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.819e+04 / 74
p0 91.54 ± 0.07571
120
110
100
90
80
70

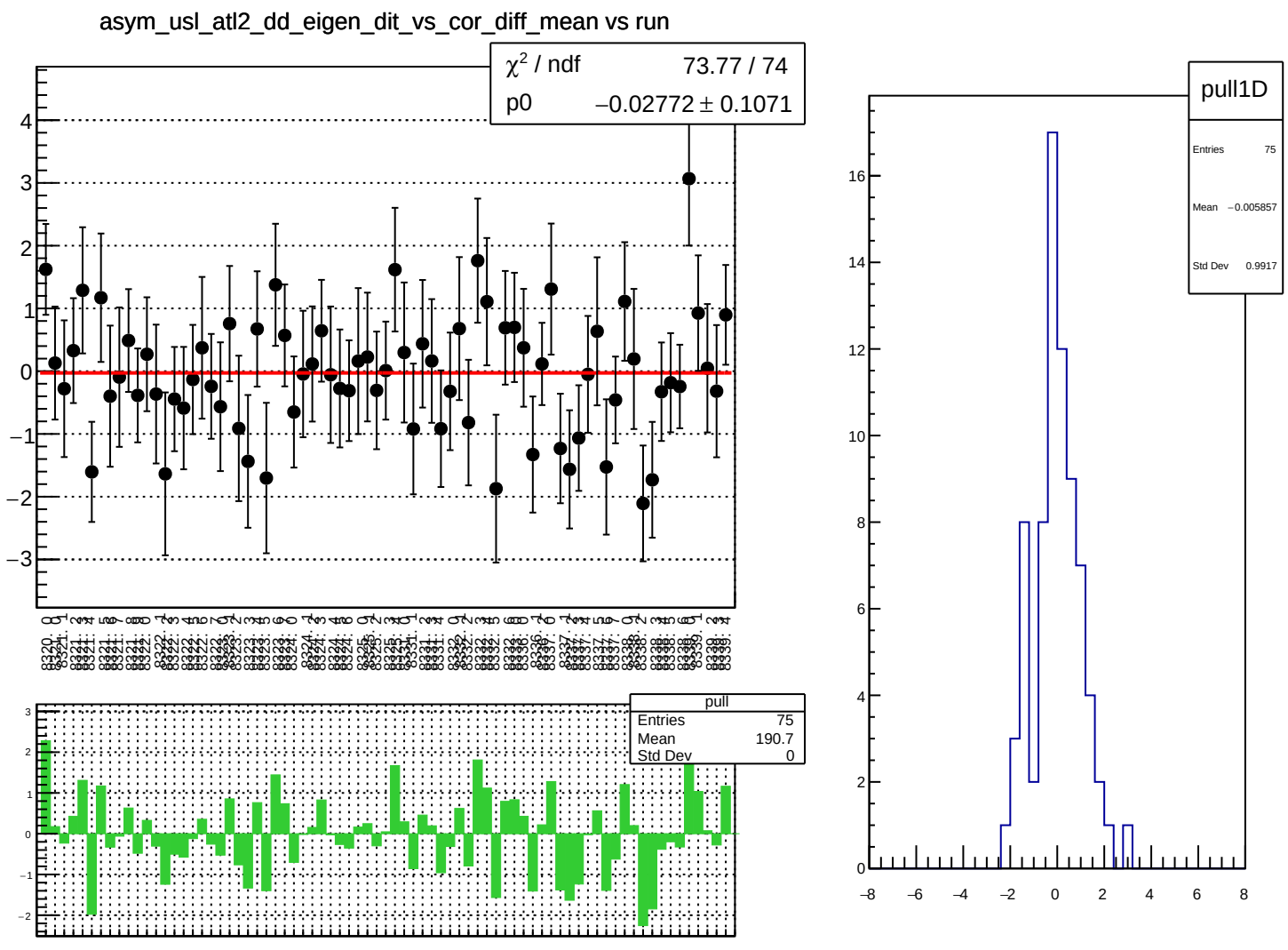

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.77 / 74
p0 −0.02772 ± 0.1071
pull
Entries 75
Mean 190.6
Std Dev 0
pull1D
Entries 75
Mean −0.00586
Std Dev 0.9917

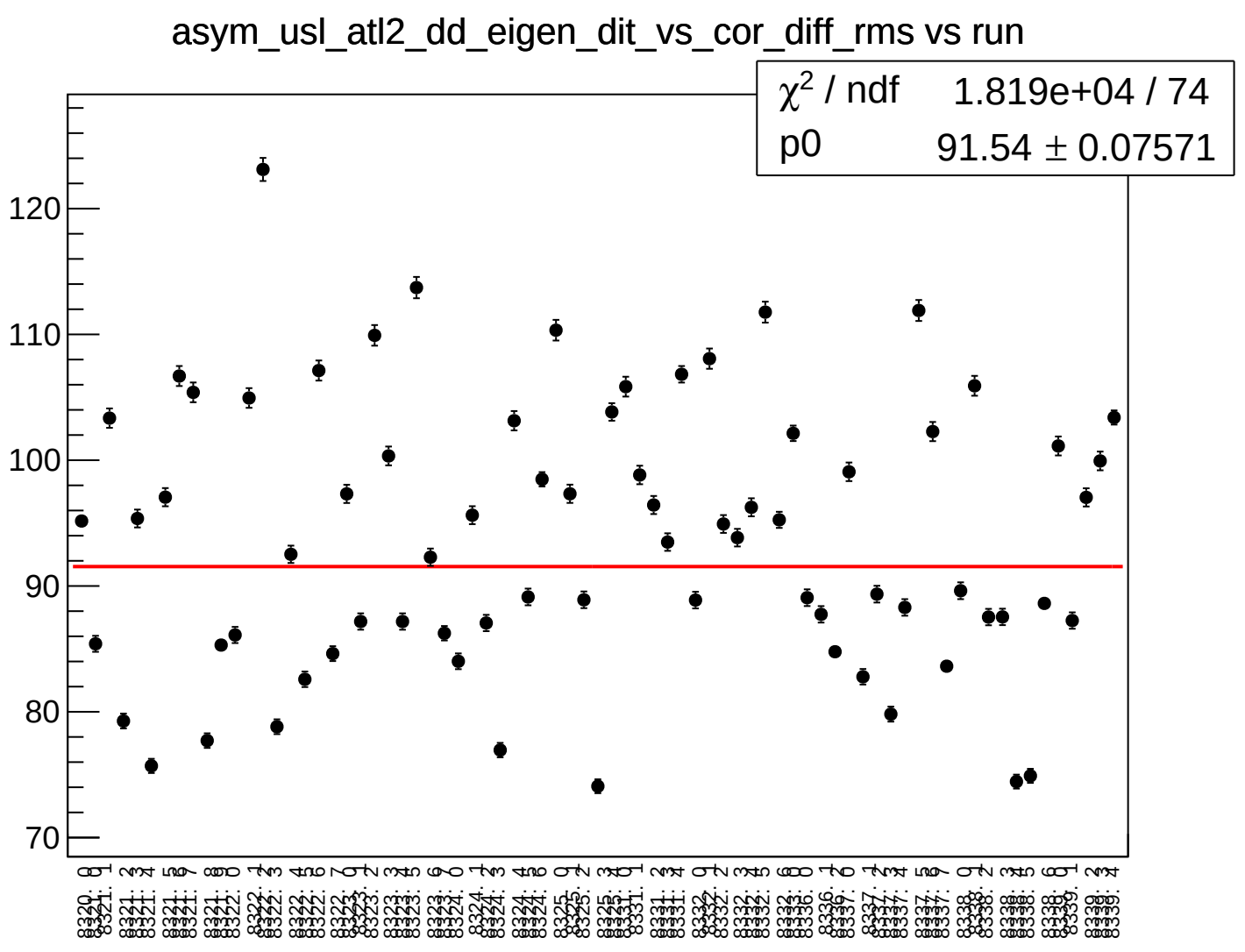

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.819e+04 / 74
p0 91.54 ± 0.07571
120
110
100
90
80
70

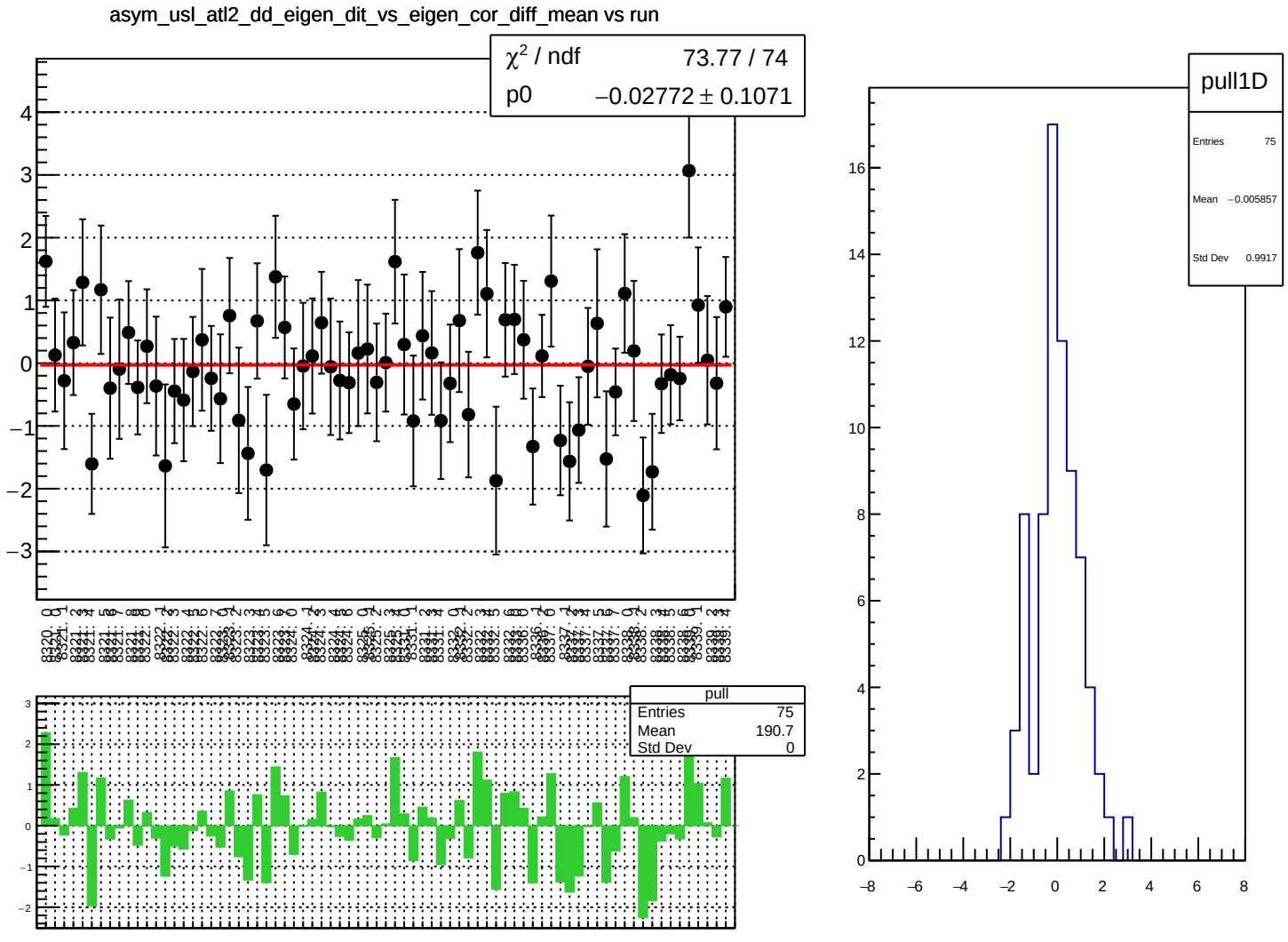

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 80.29 / 74
p0 6.057e−06 ± 1.264e−05
pull
Entries 75
Mean −273.1
Std Dev 0

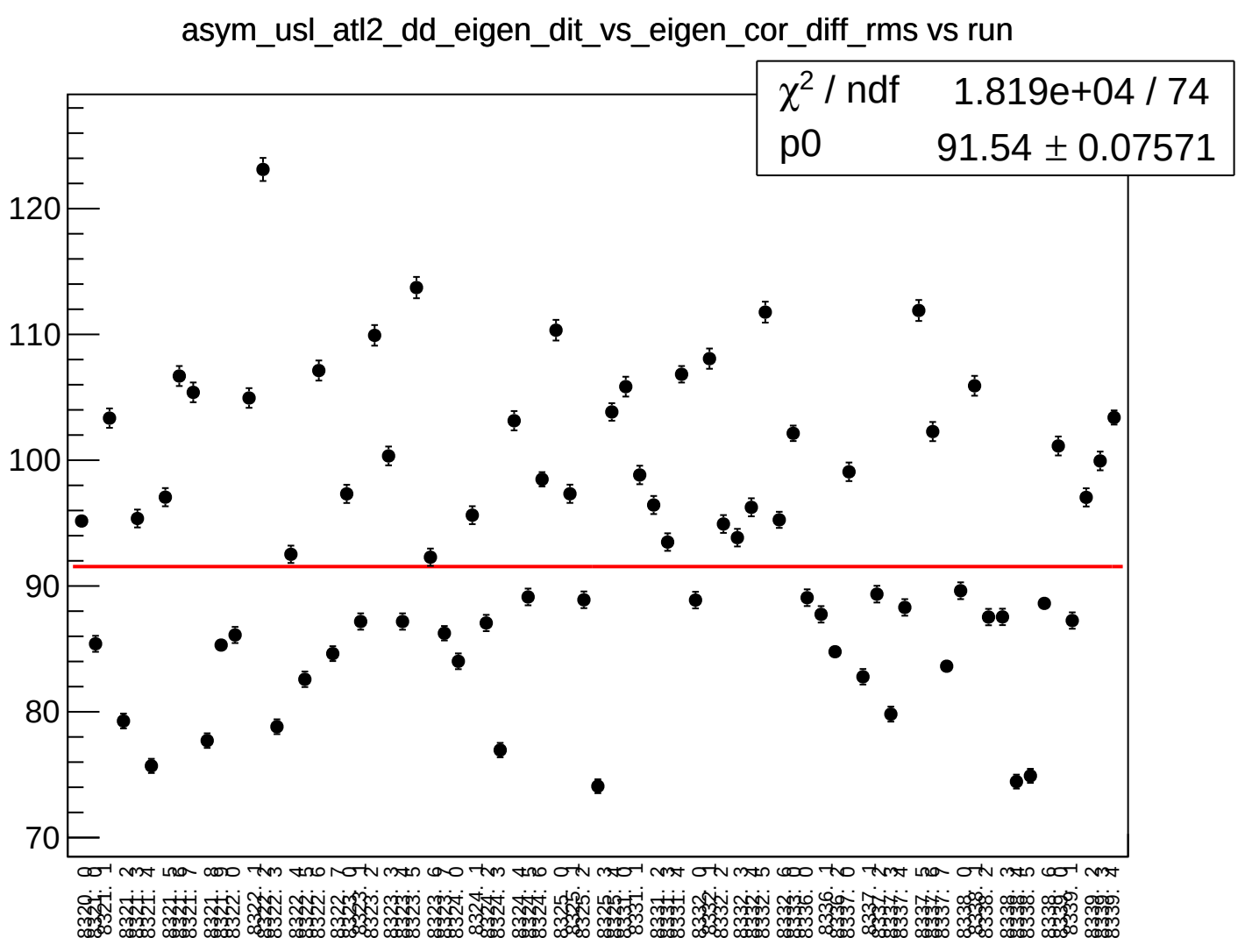

pull1D
Entries 75
Mean 0.003162
Std Dev 1.035

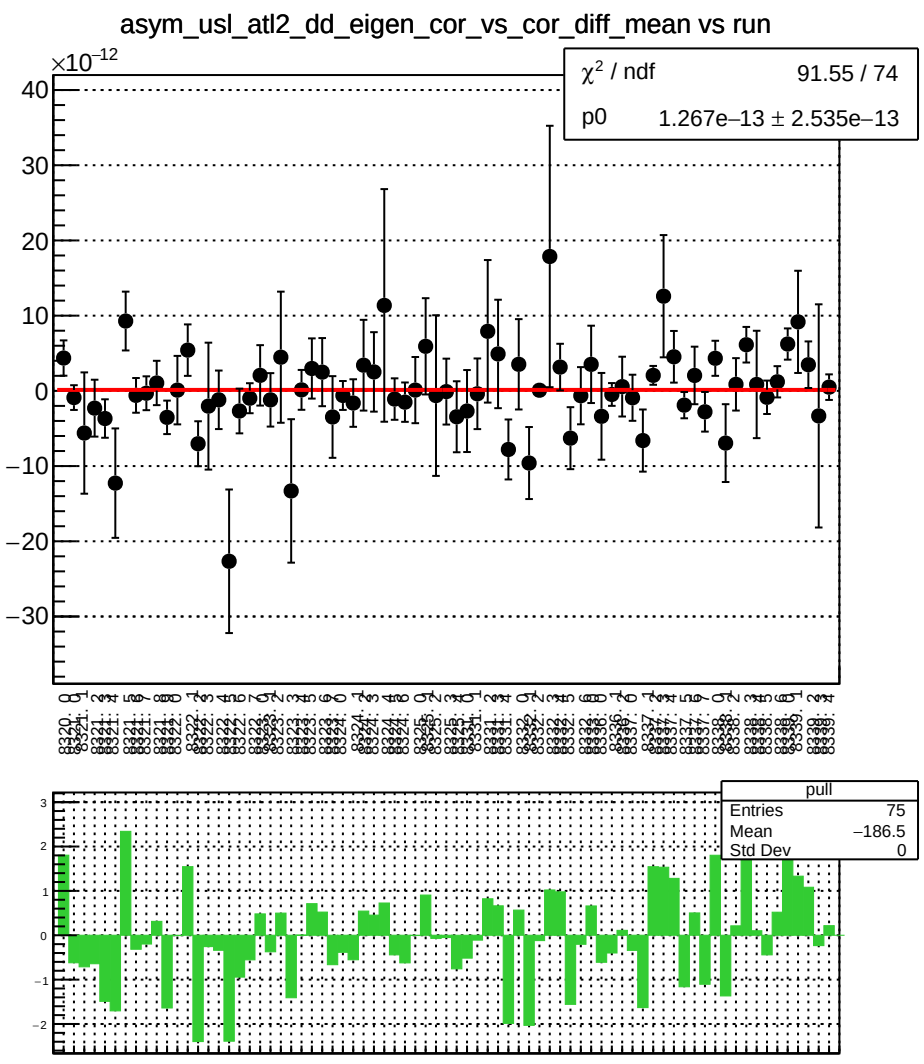

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2101 / 74
p0 0.01087 ± 8.939e–06
0.012
0.0115
0.011
0.0105
0.01

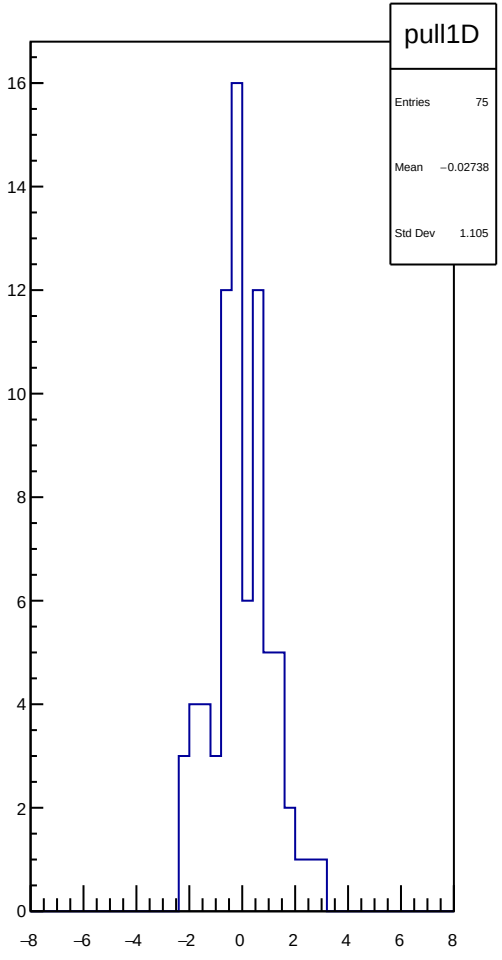

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.77 / 74
p0 −0.02772 ± 0.1071
pull
Entries 75
Mean 190.7
Std Dev 0
pull1D
Entries 75
Mean −0.005857
Std Dev 0.9917

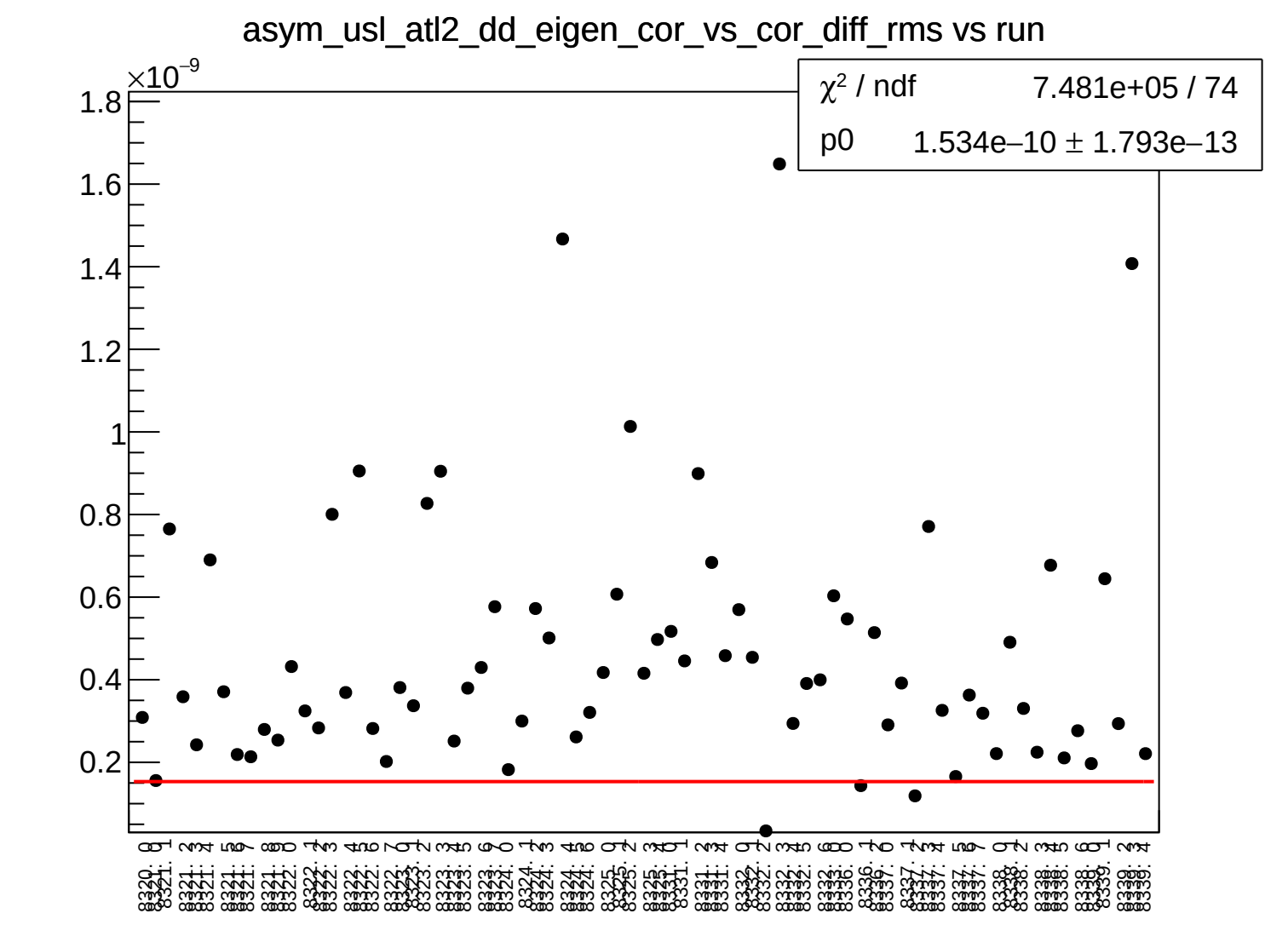

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.819e+04 / 74
p0 91.54 ± 0.07571
120
110
100
90
80
70

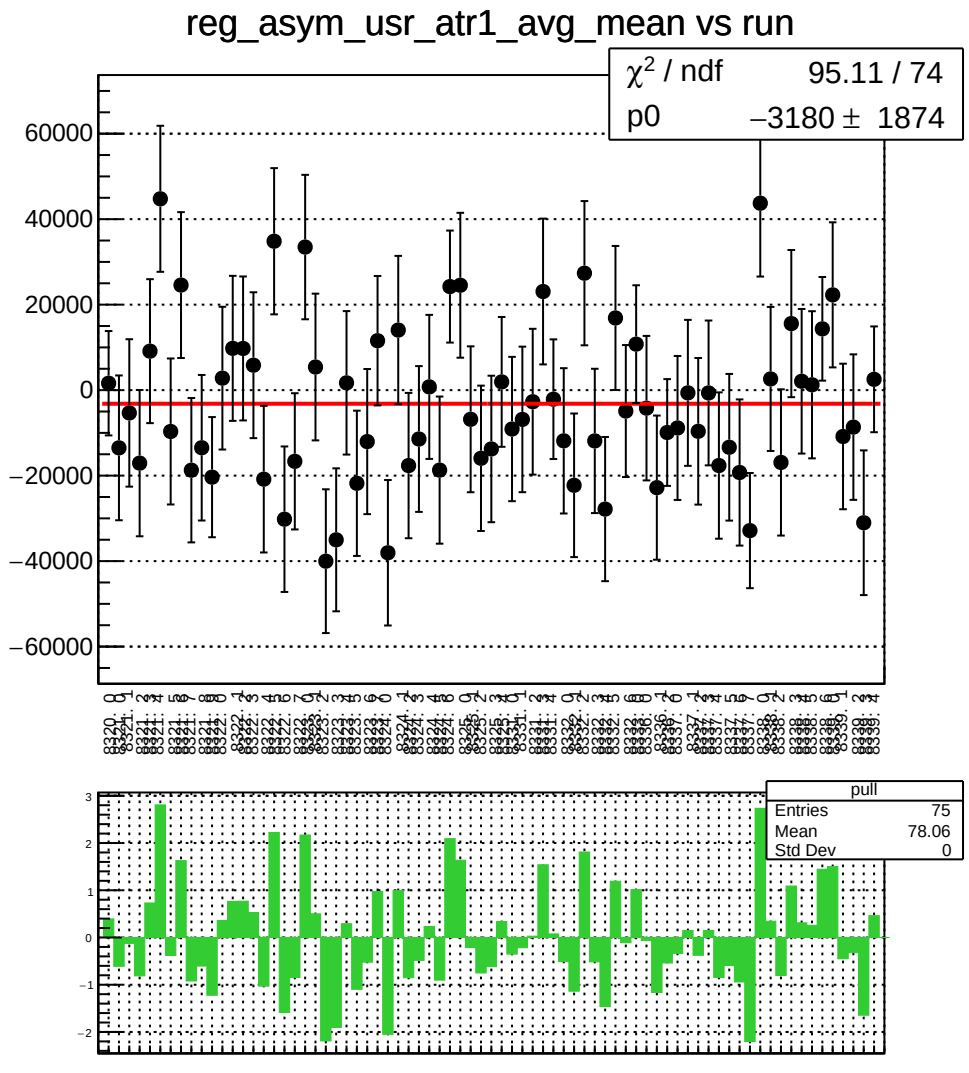

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.77 / 74
p0 −0.02772 ± 0.1071
pull
Entries 75
Mean 190.7
Std Dev 0
pull1D
Entries 75
Mean −0.005857
Std Dev 0.9917

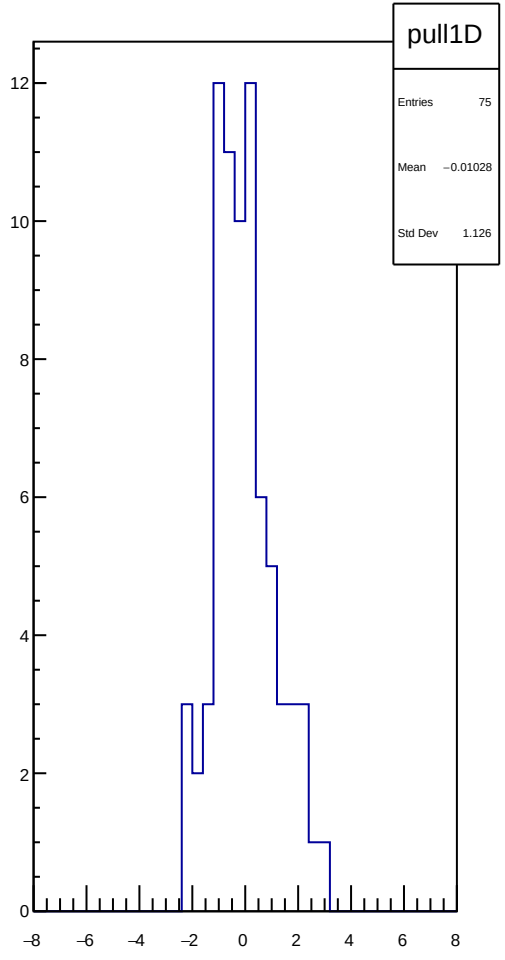

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.819e+04 / 74
p0 91.54 ± 0.07571
120
110
100
90
80
70

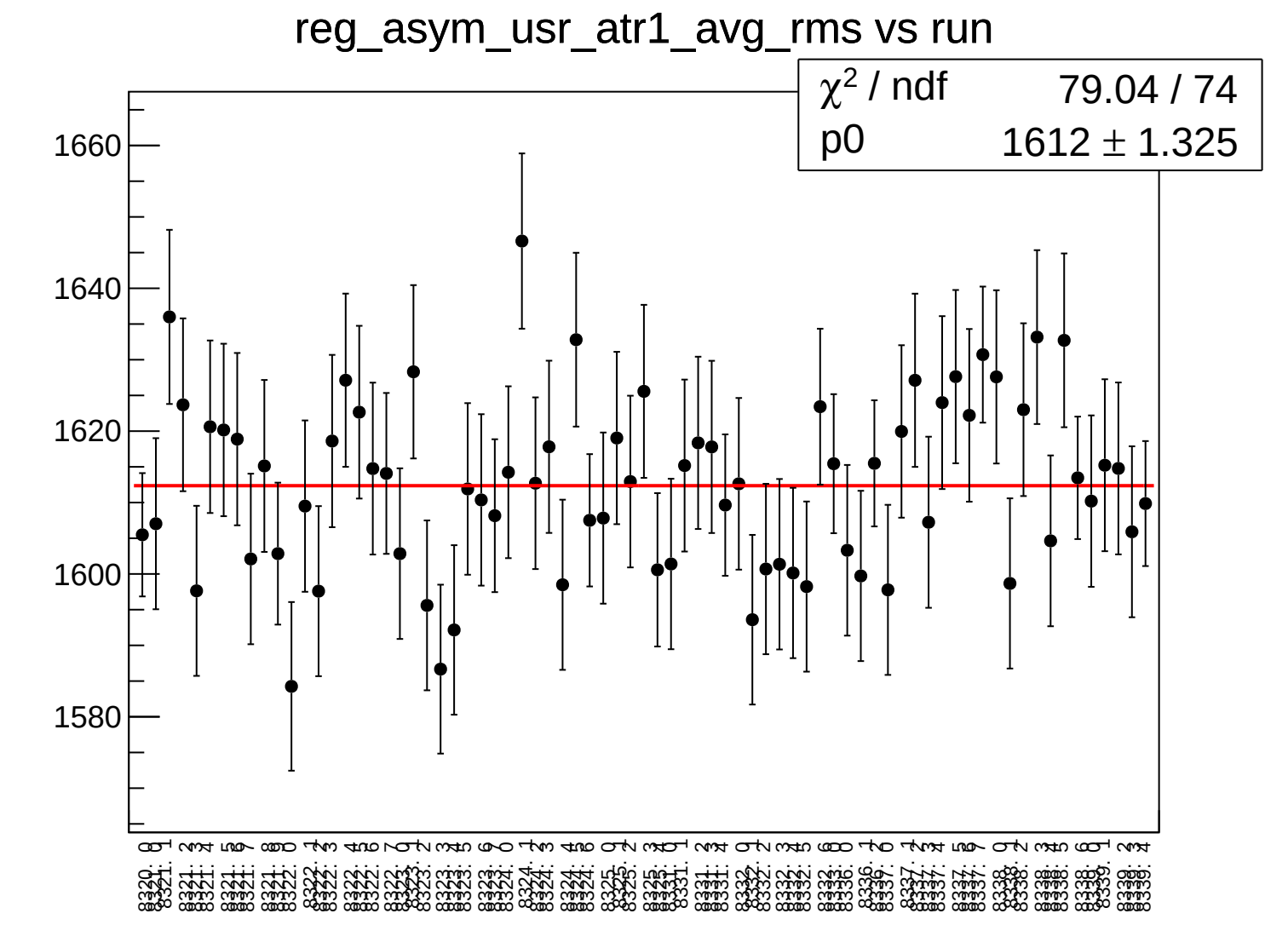

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.55 / 74
p0 1.267e−13 ± 2.535e−13
pull
Entries 75
Mean −186.5
Std Dev 0

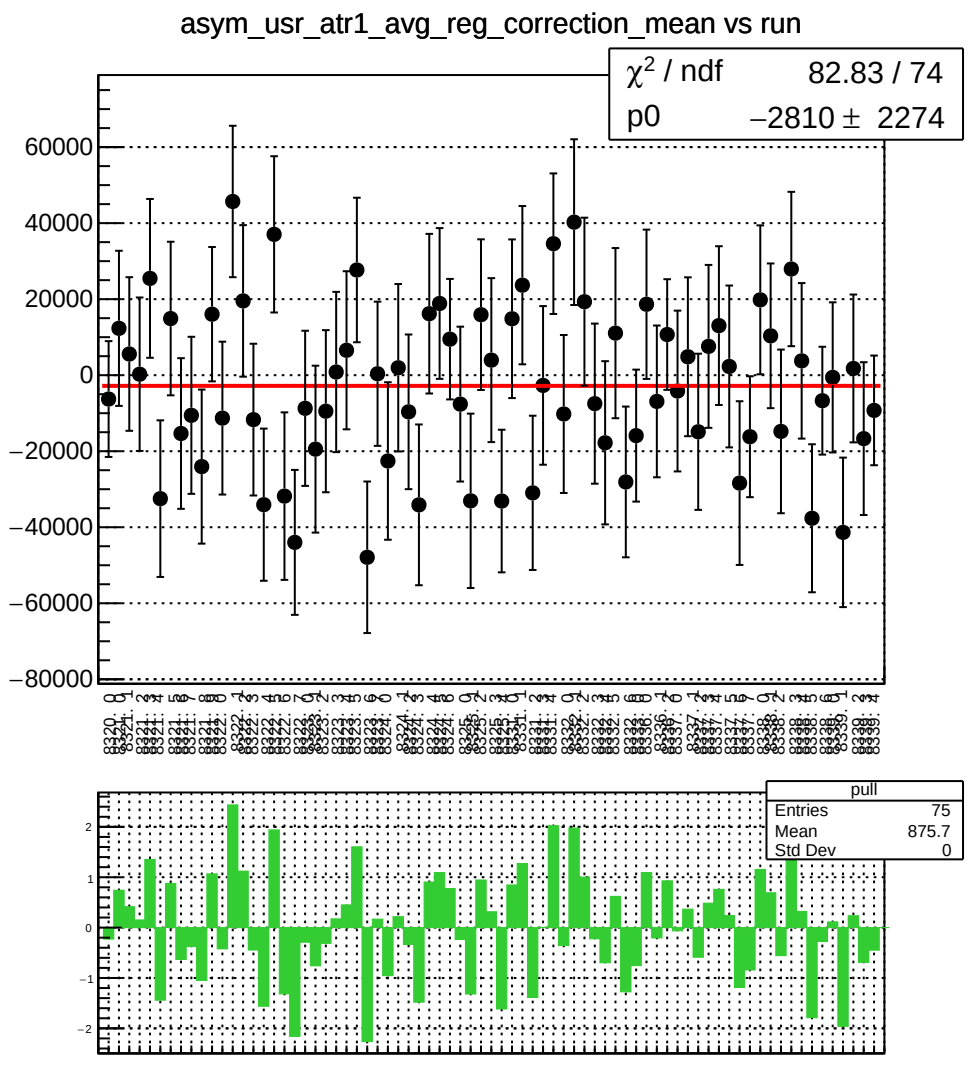

pull1D
Entries 75
Mean −0.02738
Std Dev 1.105

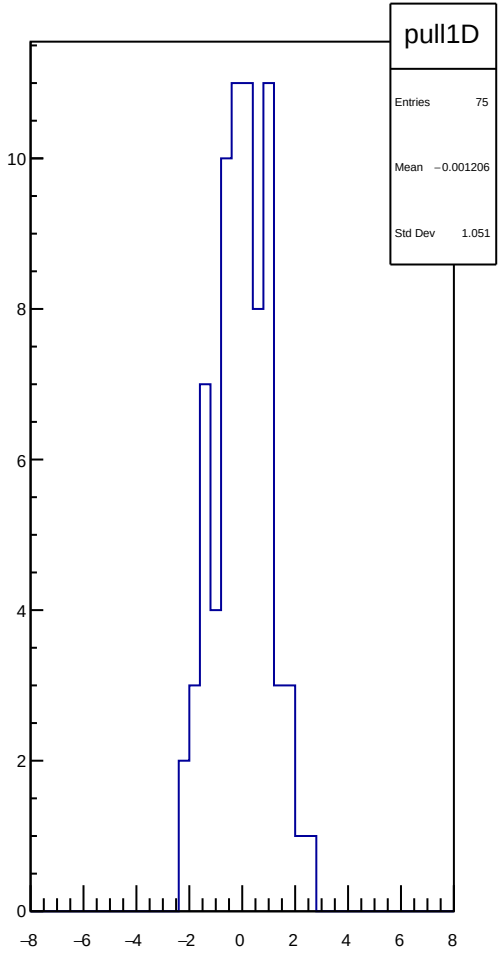

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.481e+05 / 74
p0 1.534e−10 ± 1.793e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

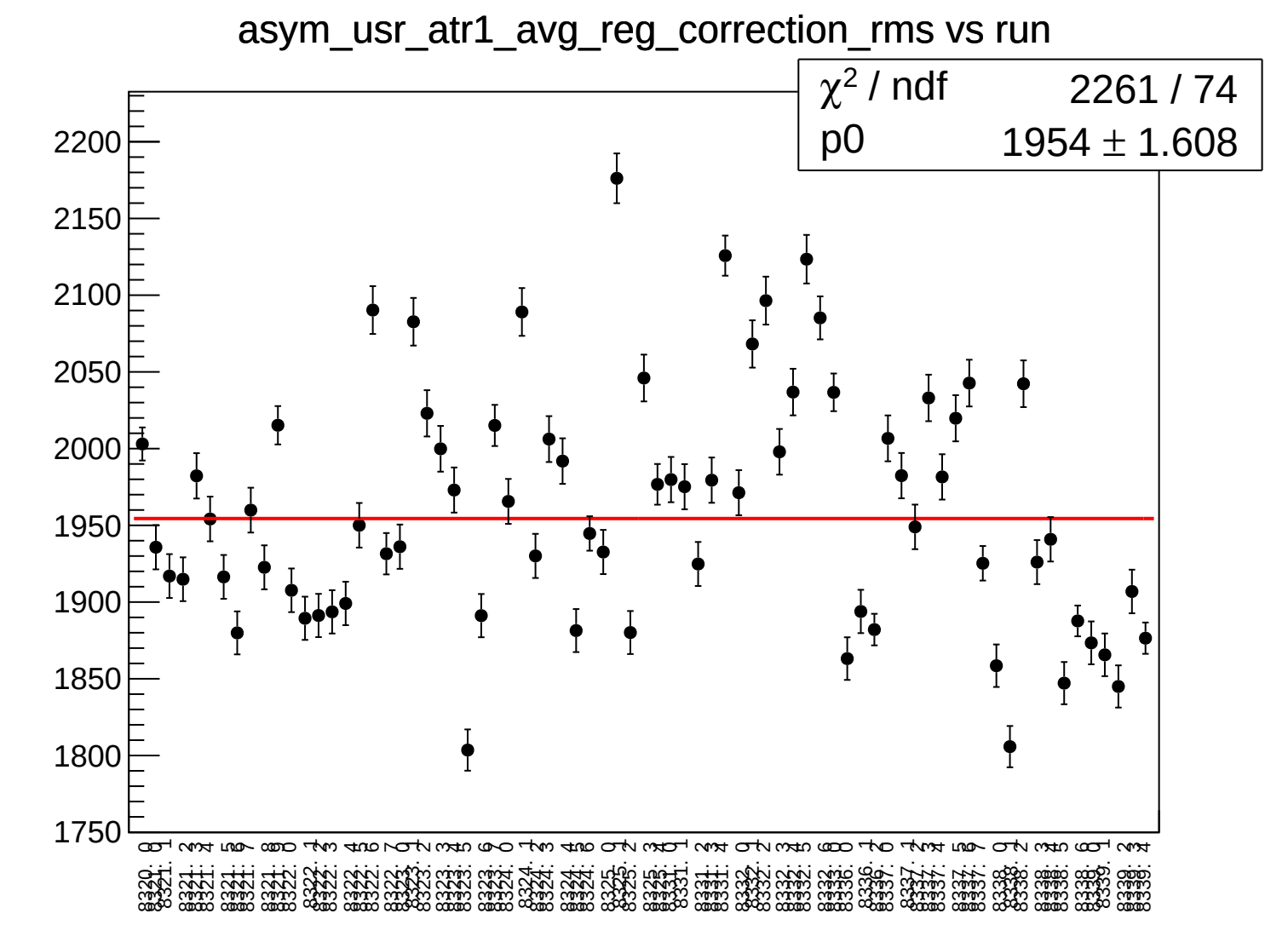

reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 95.11 / 74
p0 −3180 ± 1874
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 78.06
Std Dev 0
3
2
1
0
−1
−2

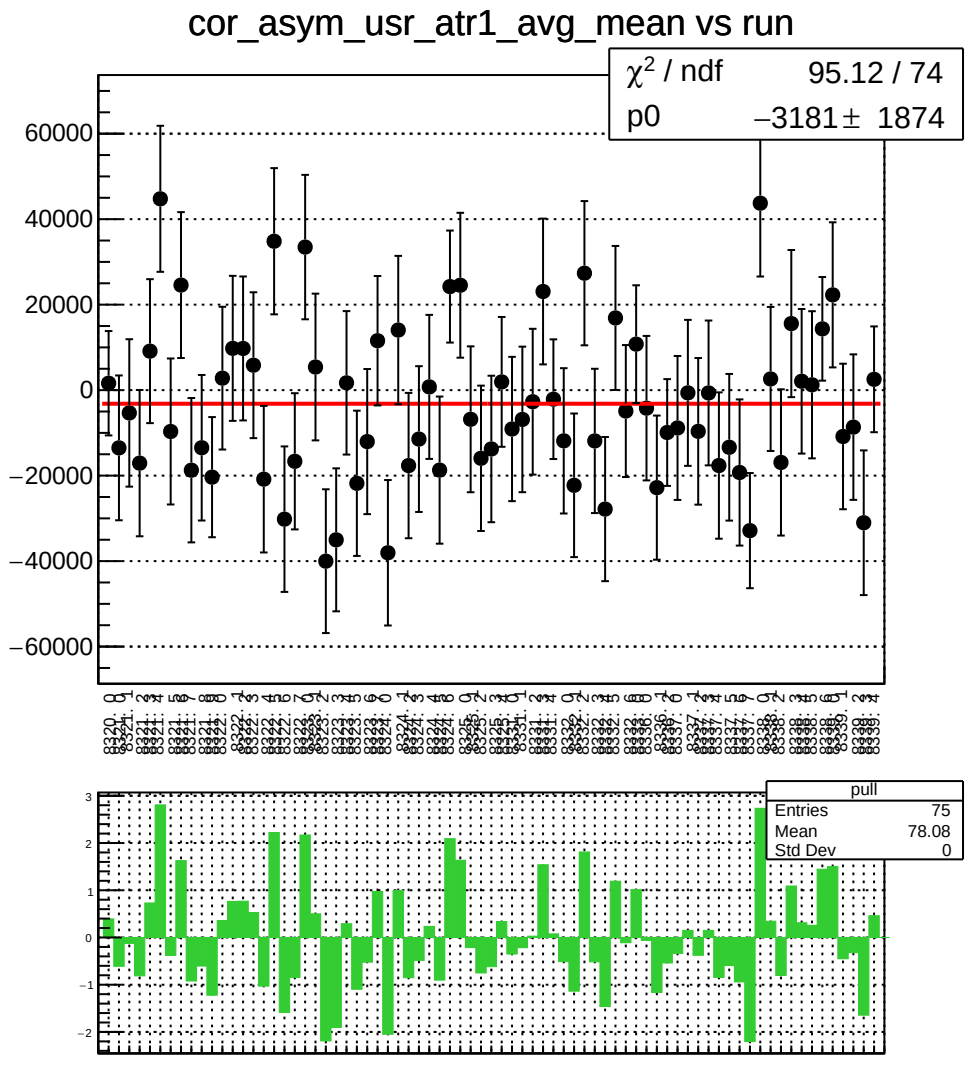

pull1D
Entries 75
Mean −0.01028
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

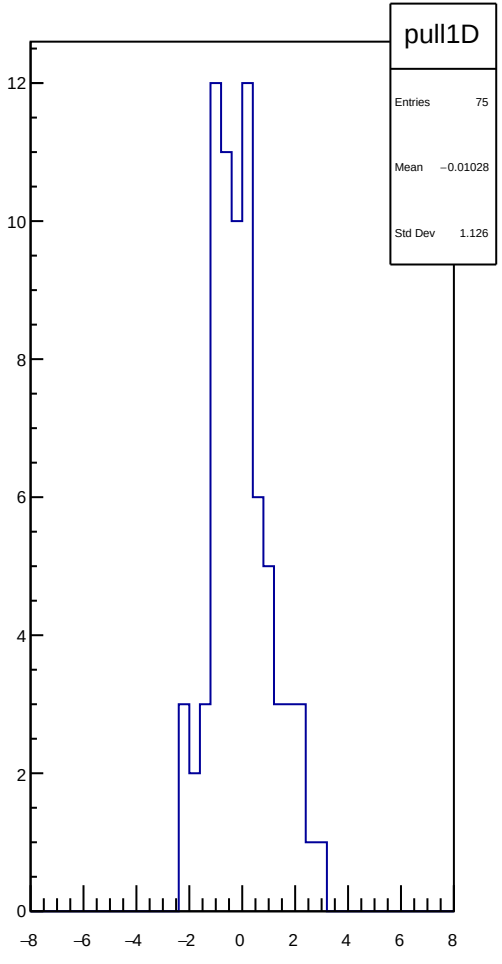

reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 79.04 / 74
p0 1612 ± 1.325
1660
1640
1620
1600
1580

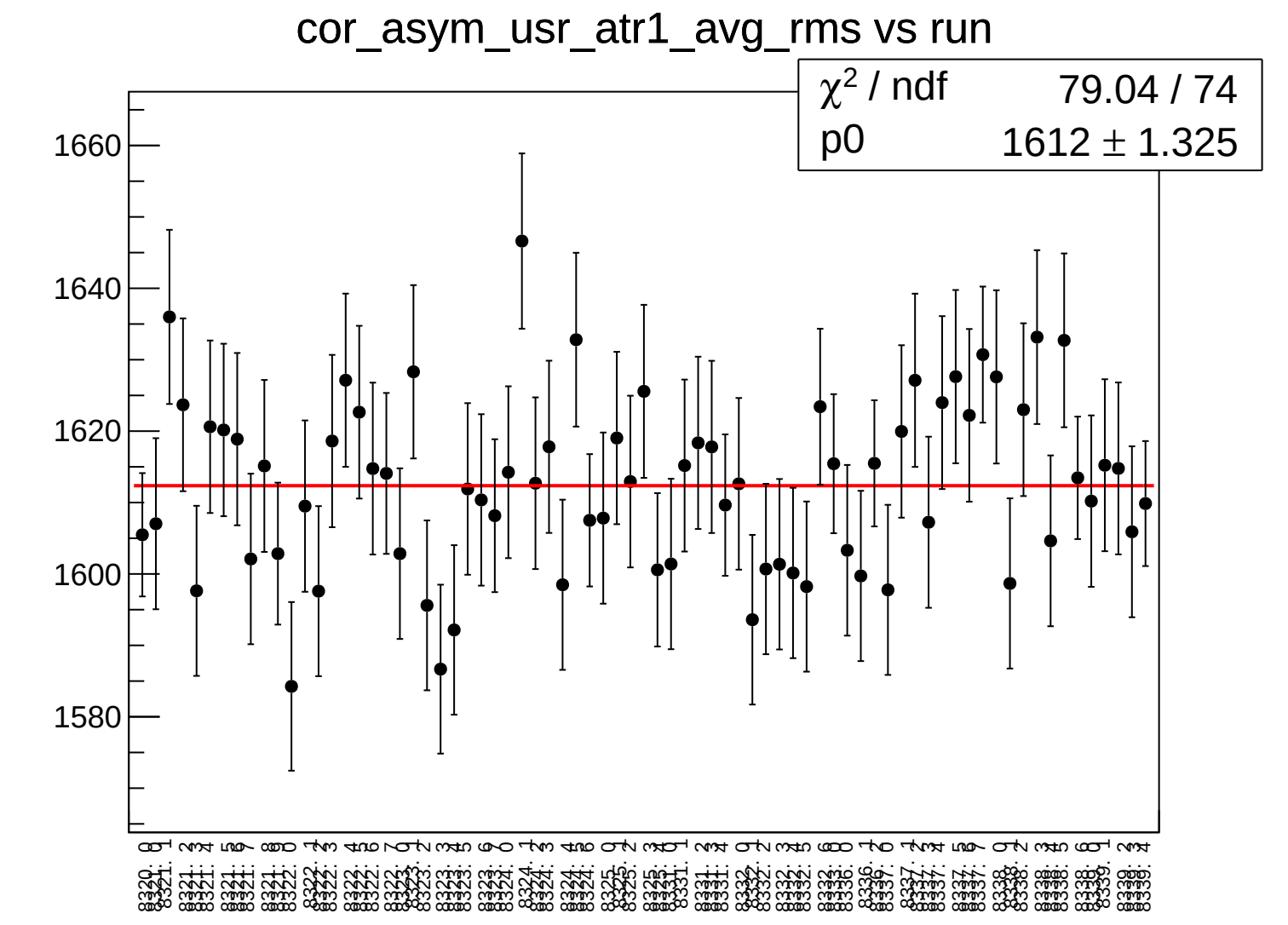

asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 82.83 / 74
p0 −2810 ± 2274
pull
Entries 75
Mean 875.7
Std Dev 0

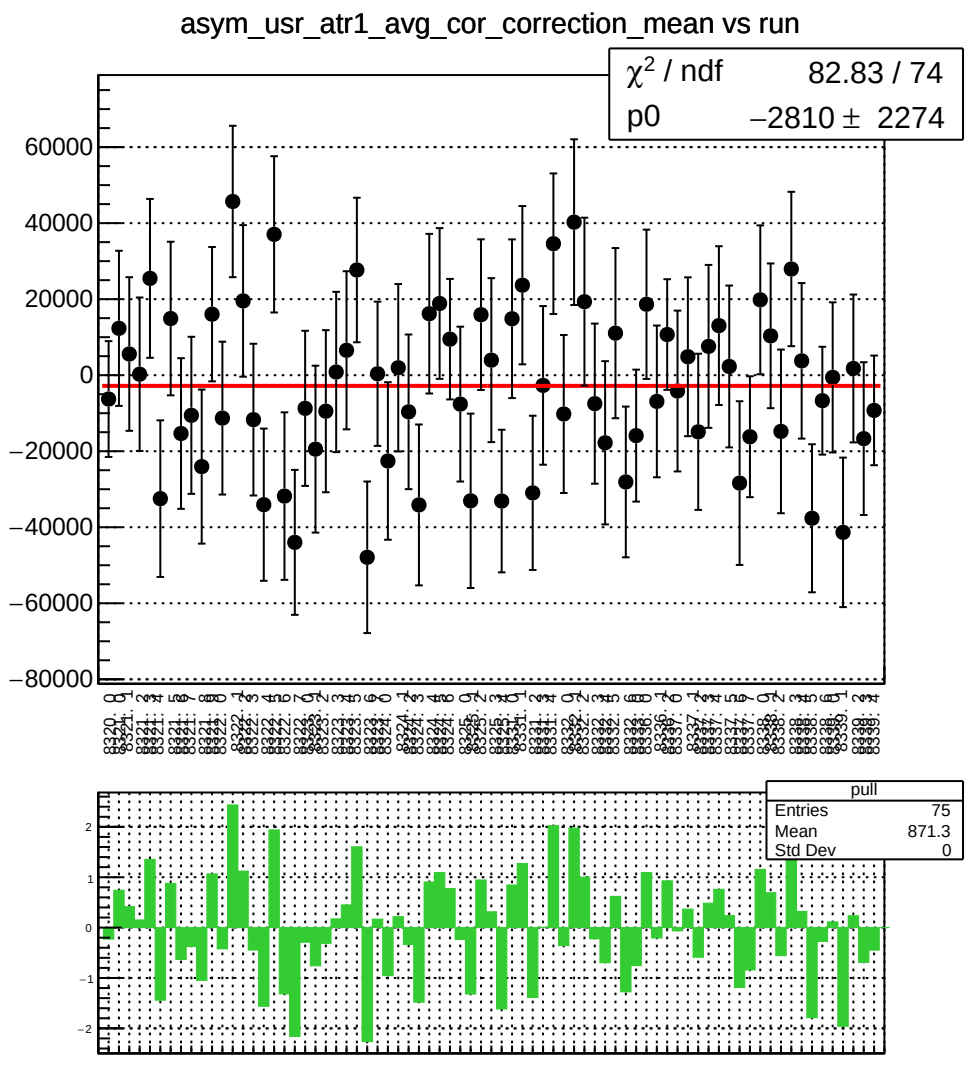

pull1D
Entries 75
Mean −0.001206
Std Dev 1.051

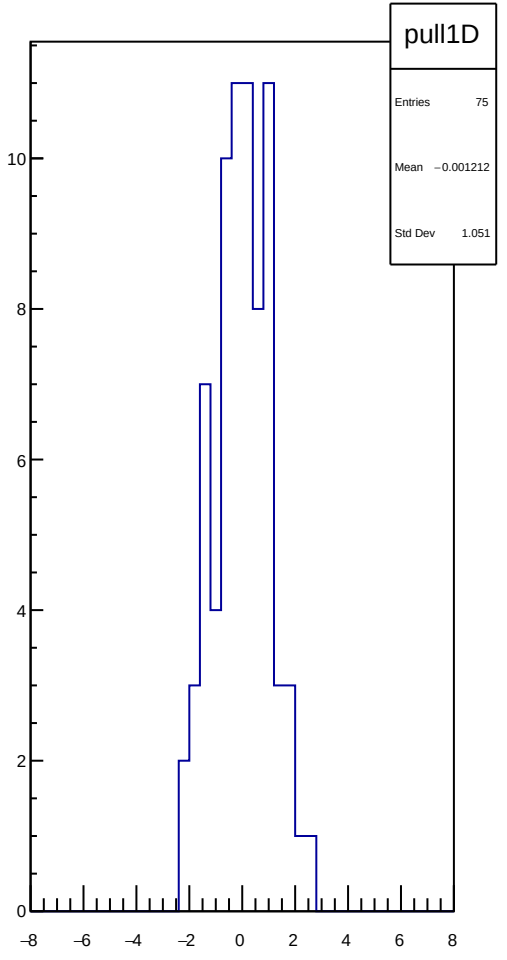

asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 2261 / 74
p0 1954 ± 1.608
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750

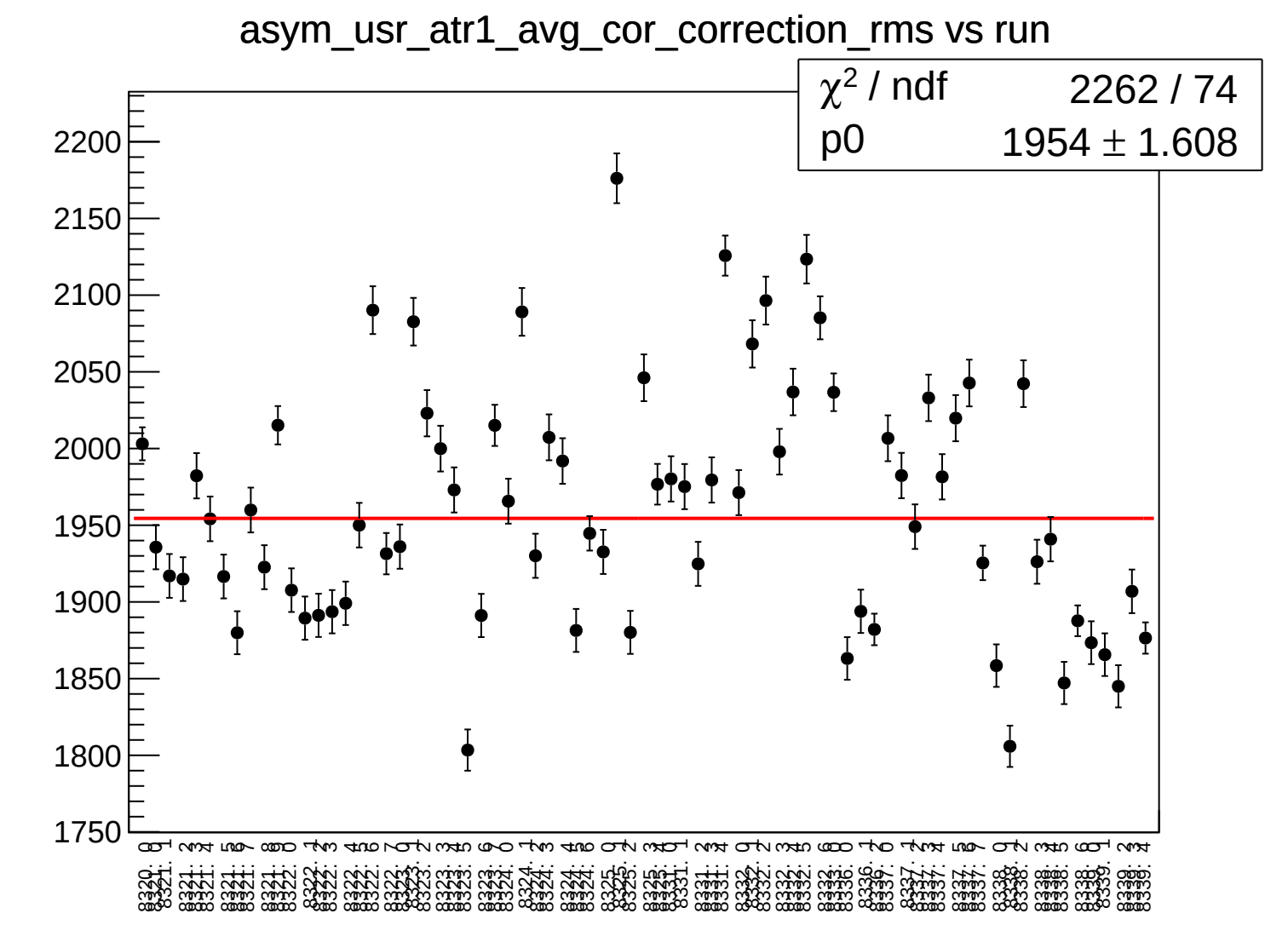

cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 95.12 / 74
p0 −3181 ± 1874
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 78.08
Std Dev 0
3
2
1
0
−1
−2

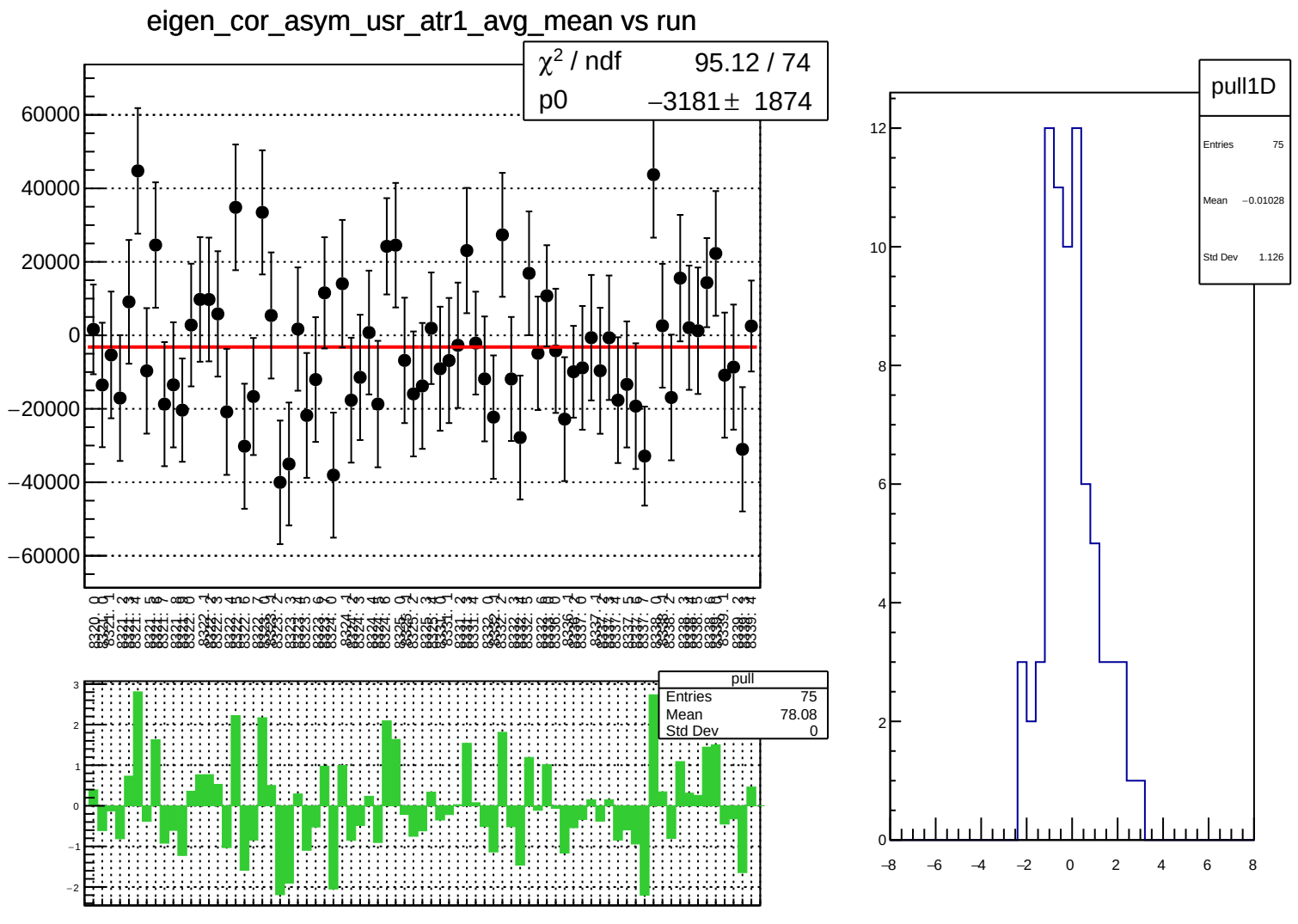

pull1D
Entries 75
Mean −0.01028
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

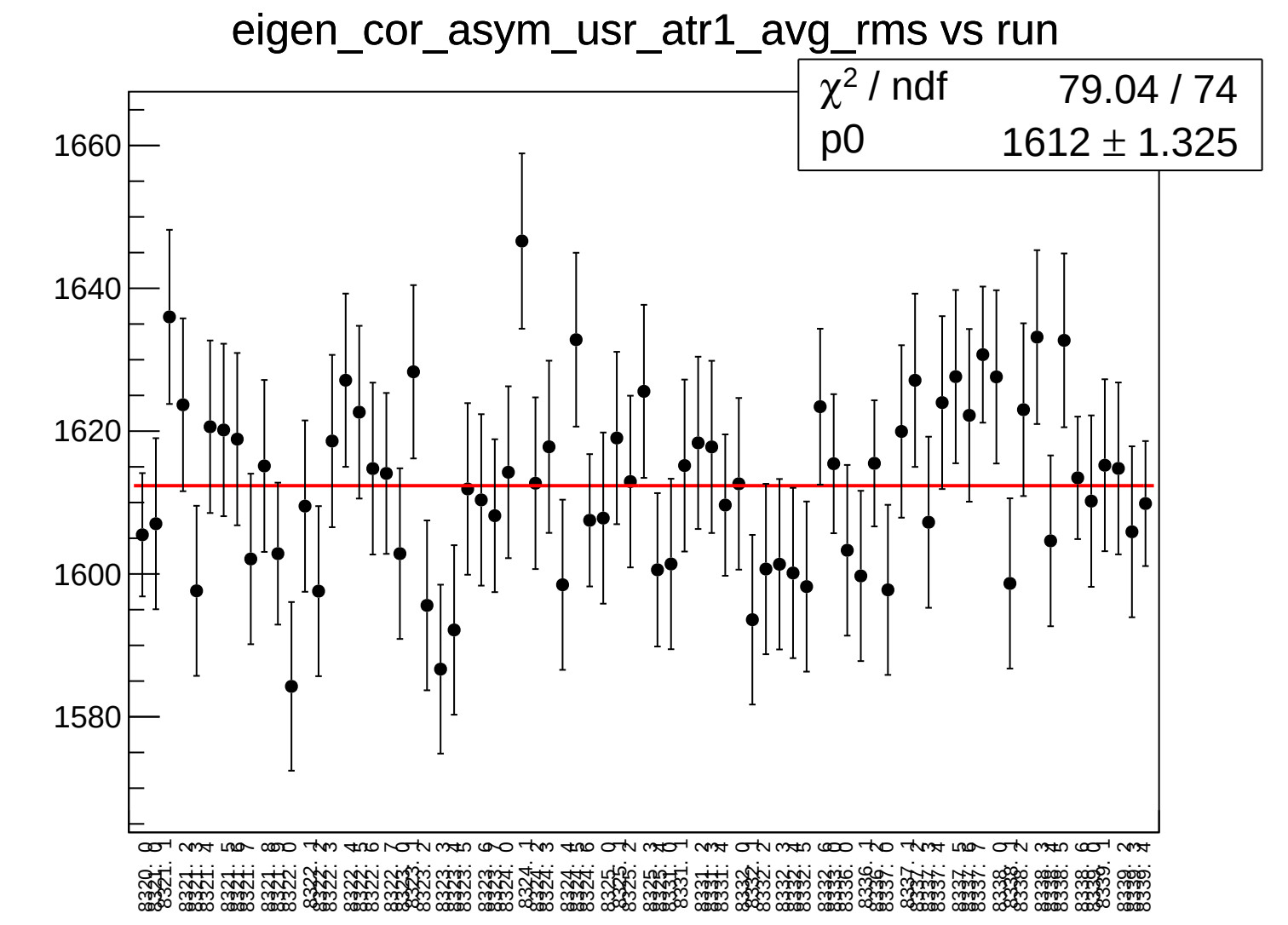

cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 79.04 / 74
p0 1612 ± 1.325
1660
1640
1620
1600
1580

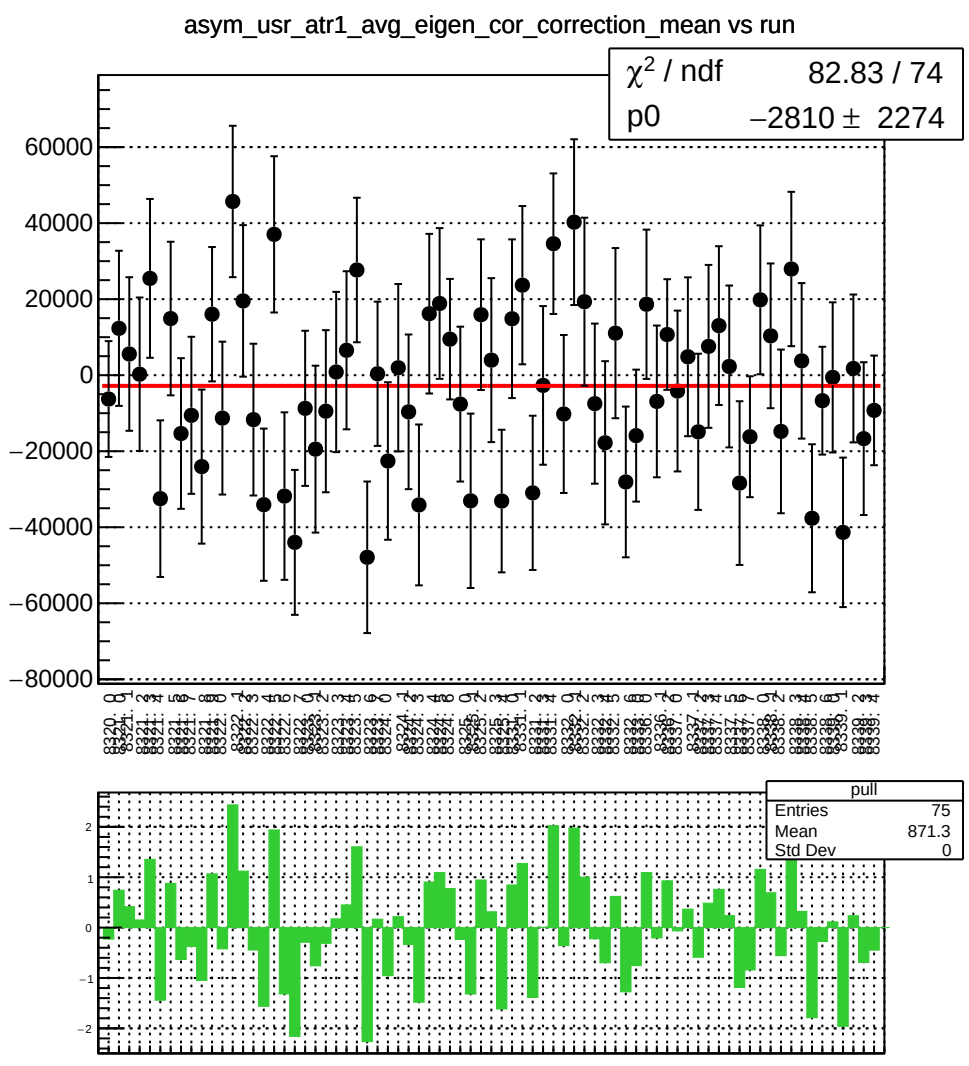

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 82.83 / 74
p0 −2810 ± 2274
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean 871.3
Std Dev 0
2
1
0
−1
−2

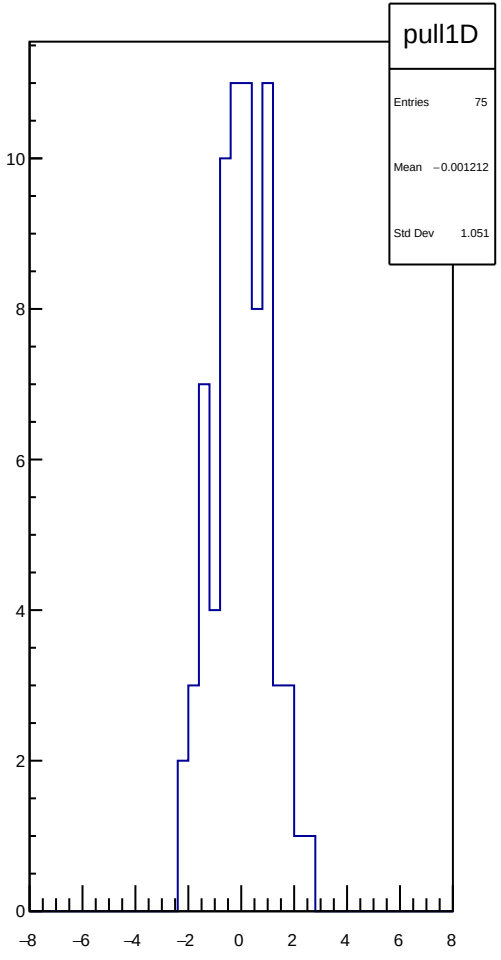

pull1D
Entries 75
Mean −0.001212
Std Dev 1.051
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

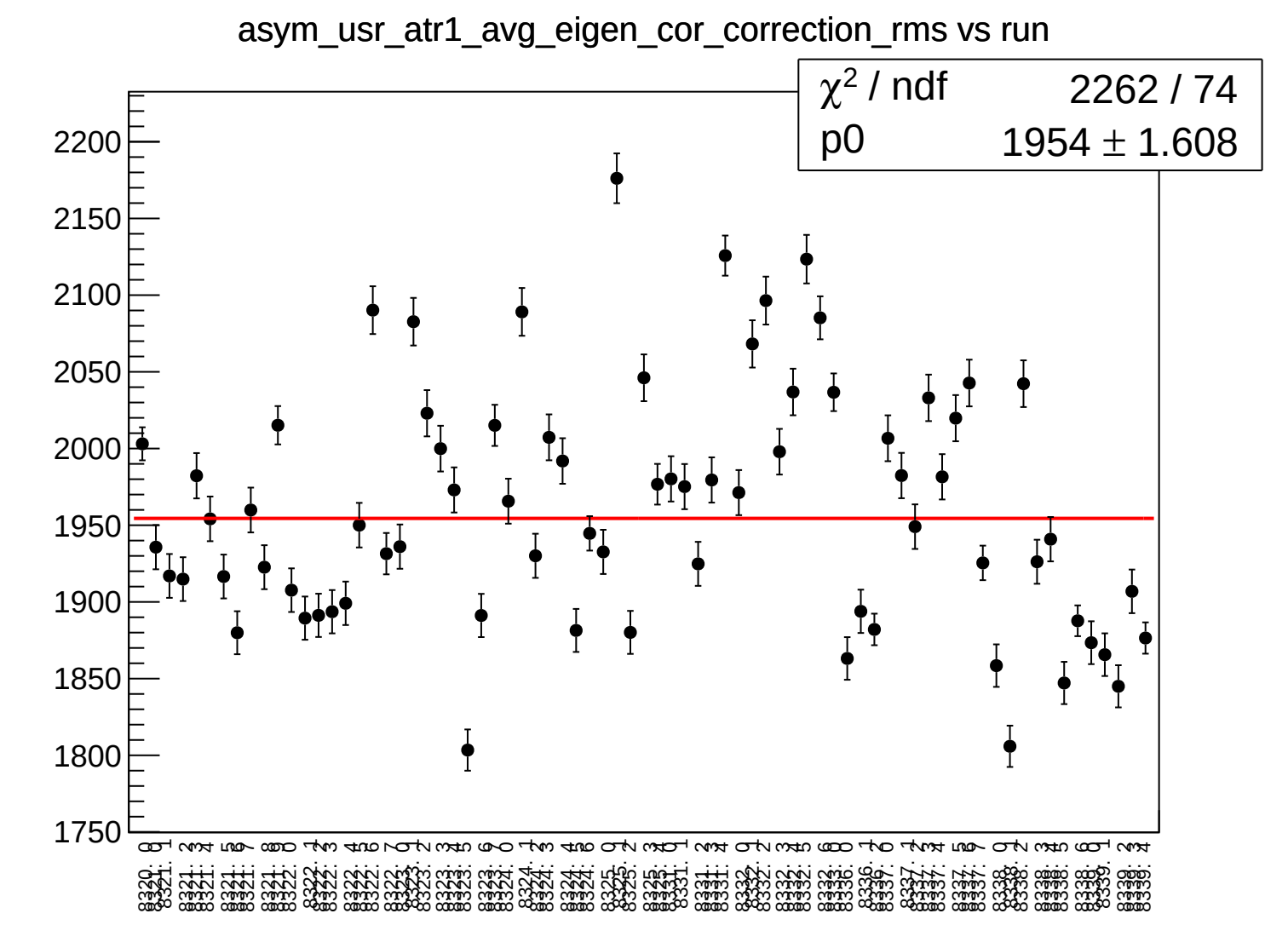

asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 2262 / 74
p0 1954 ± 1.608
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750

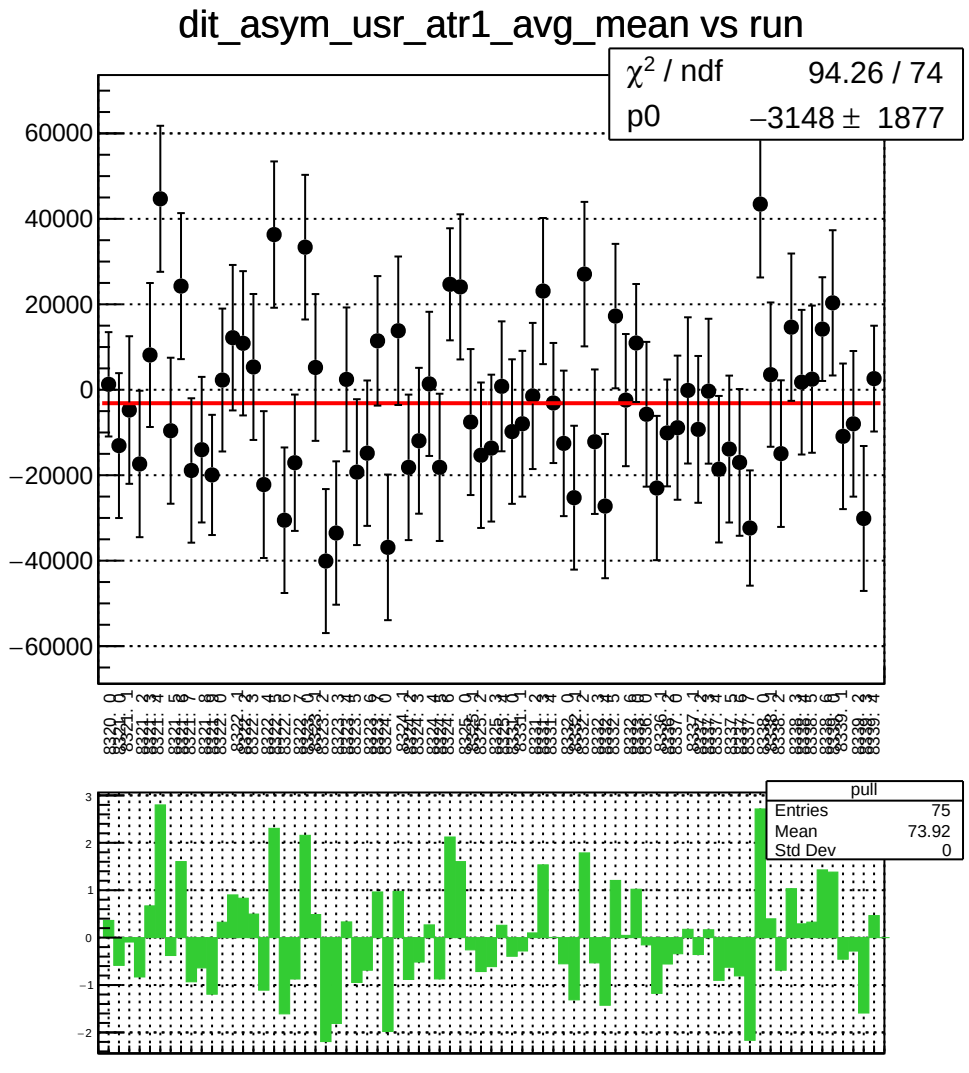

eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 95.12 / 74
p0 −3181 ± 1874
pull
Entries 75
Mean 78.08
Std Dev 0
pull1D
Entries 75
Mean −0.01028
Std Dev 1.126

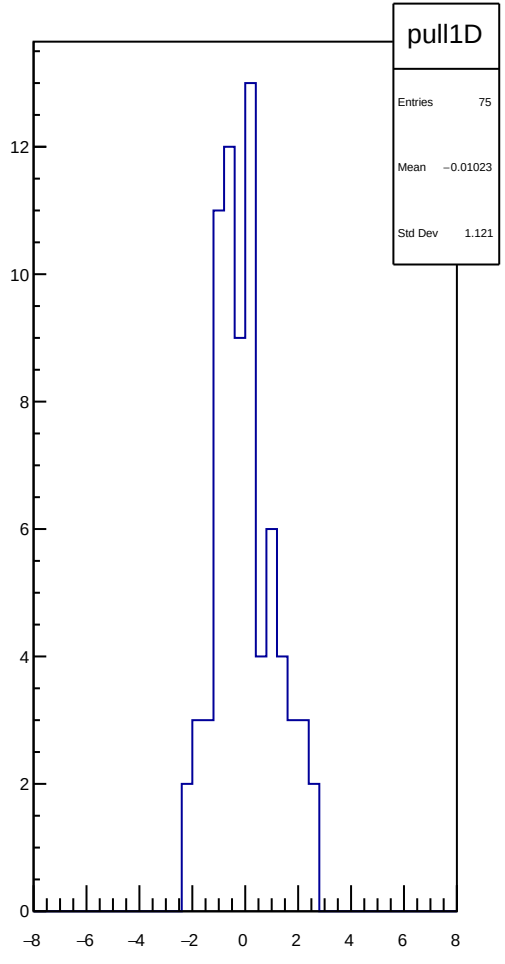

eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 79.04 / 74
p0 1612 ± 1.325
1660
1640
1620
1600
1580

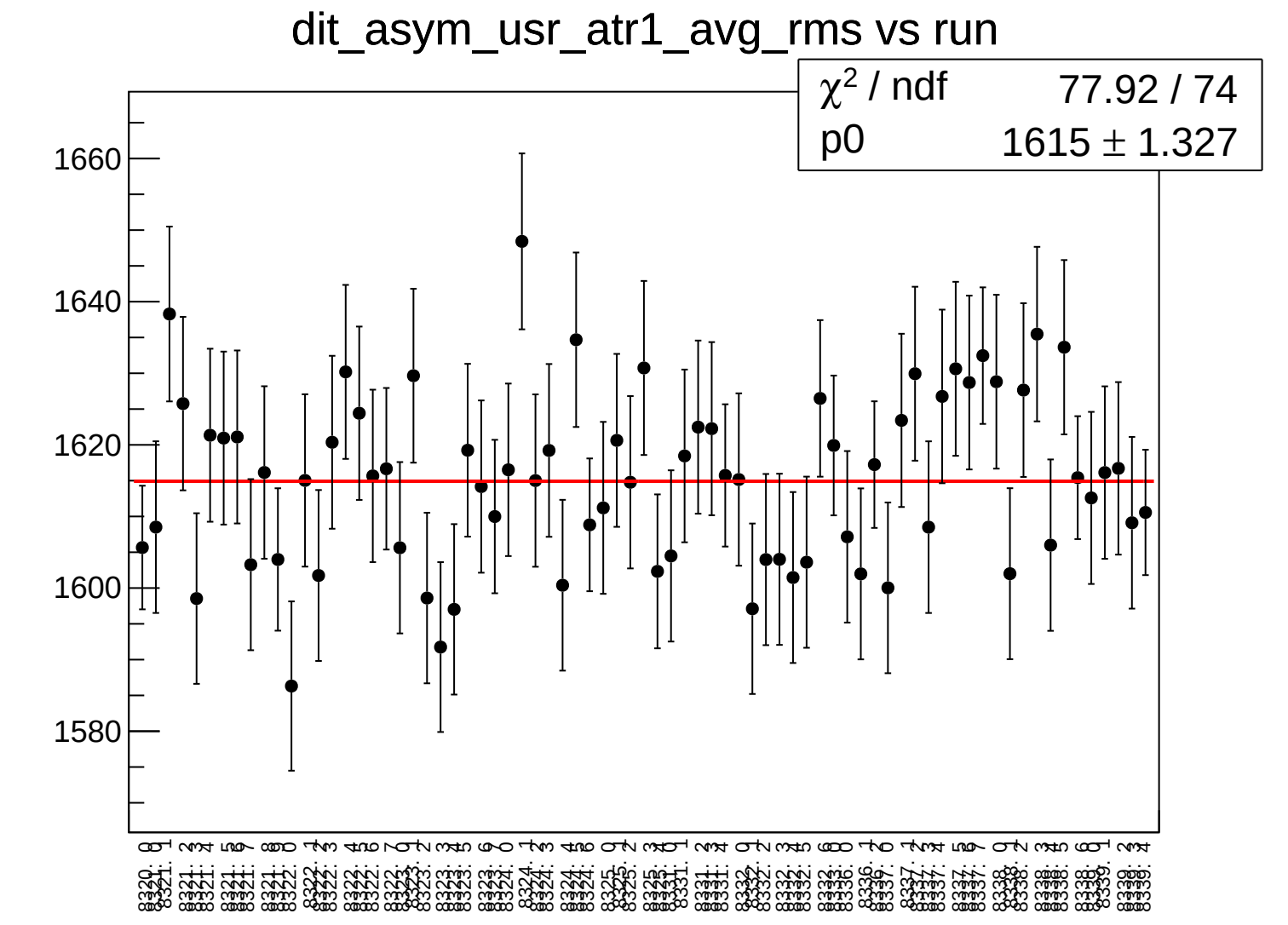

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 82.83 / 74
p0 −2810 ± 2274
pull
Entries 75
Mean 871.3
Std Dev 0

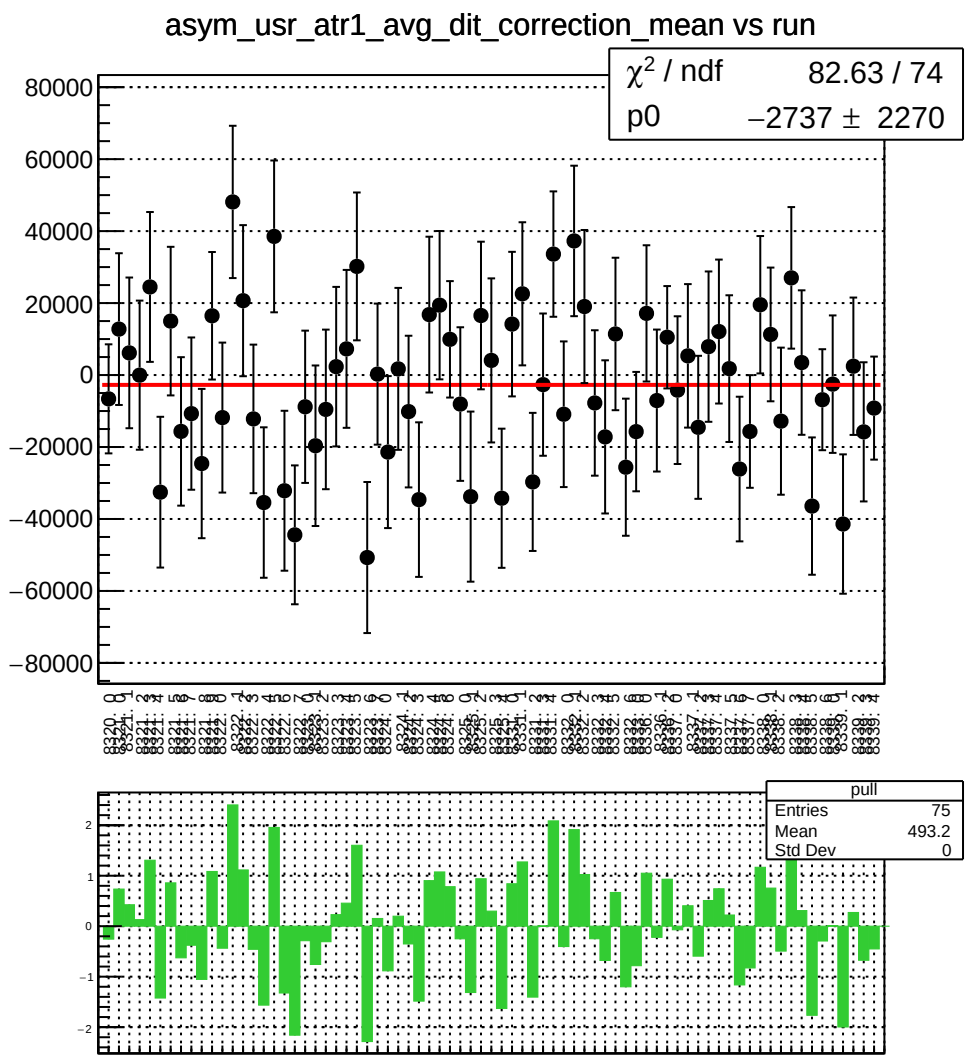

pull1D
Entries 75
Mean −0.001212
Std Dev 1.051

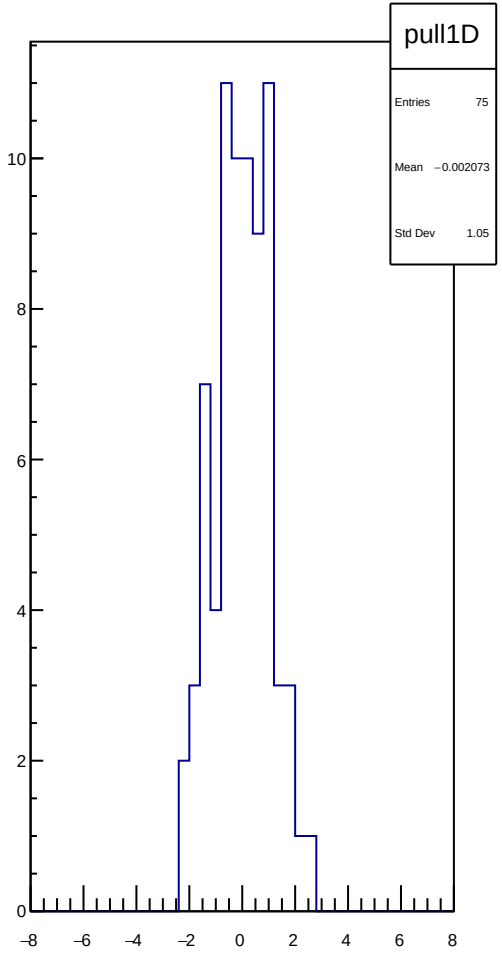

asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2262 / 74
p0 1954 ± 1.608
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750

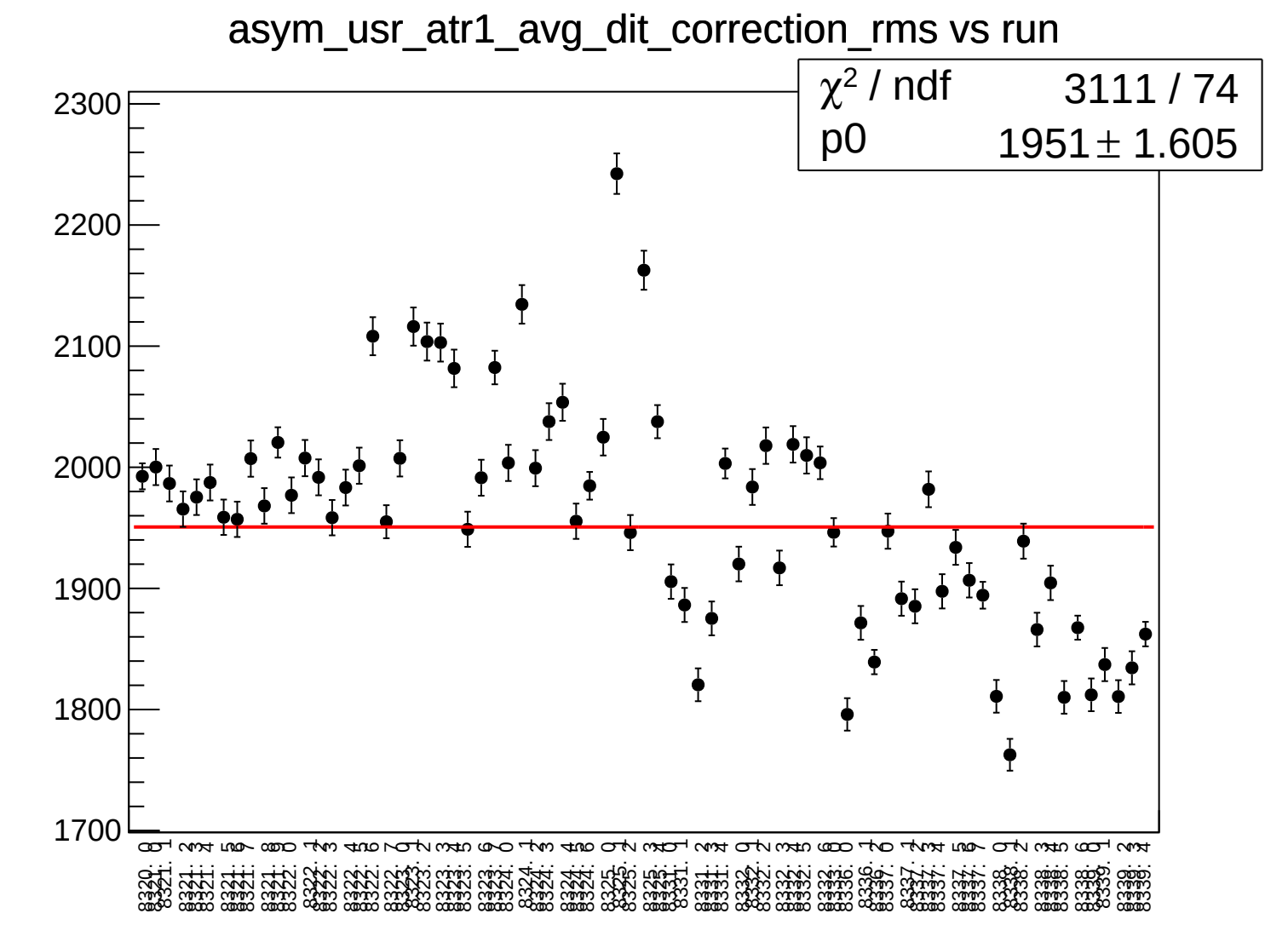

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 94.26 / 74
p0 −3148 ± 1877
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 73.92
Std Dev 0
3
2
1
0
−1
−2

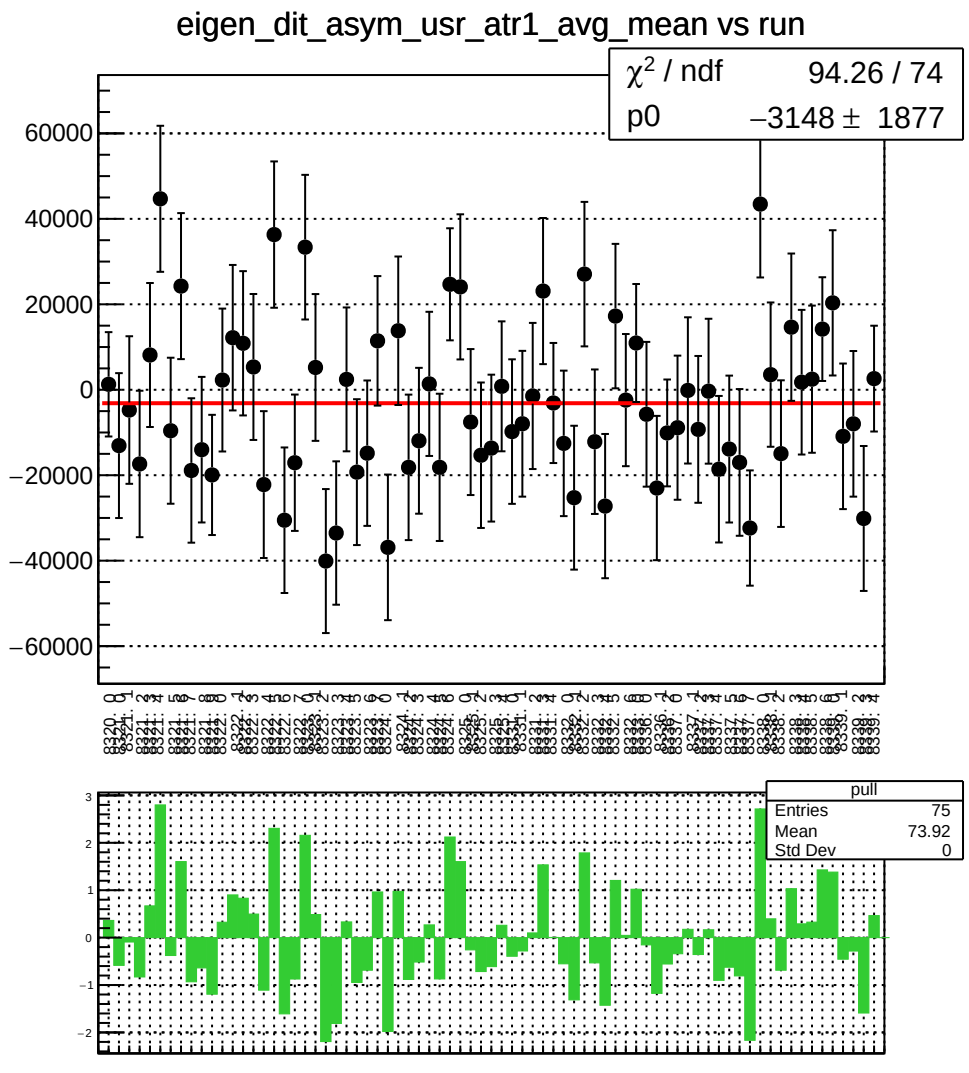

pull1D
Entries 75
Mean −0.01023
Std Dev 1.121
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

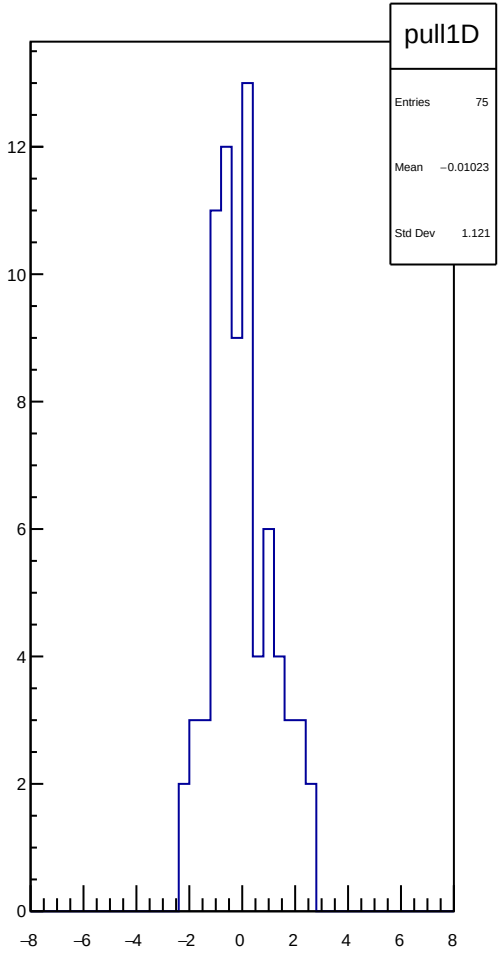

dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 77.92 / 74
p0 1615 ± 1.327
1660
1640
1620
1600
1580

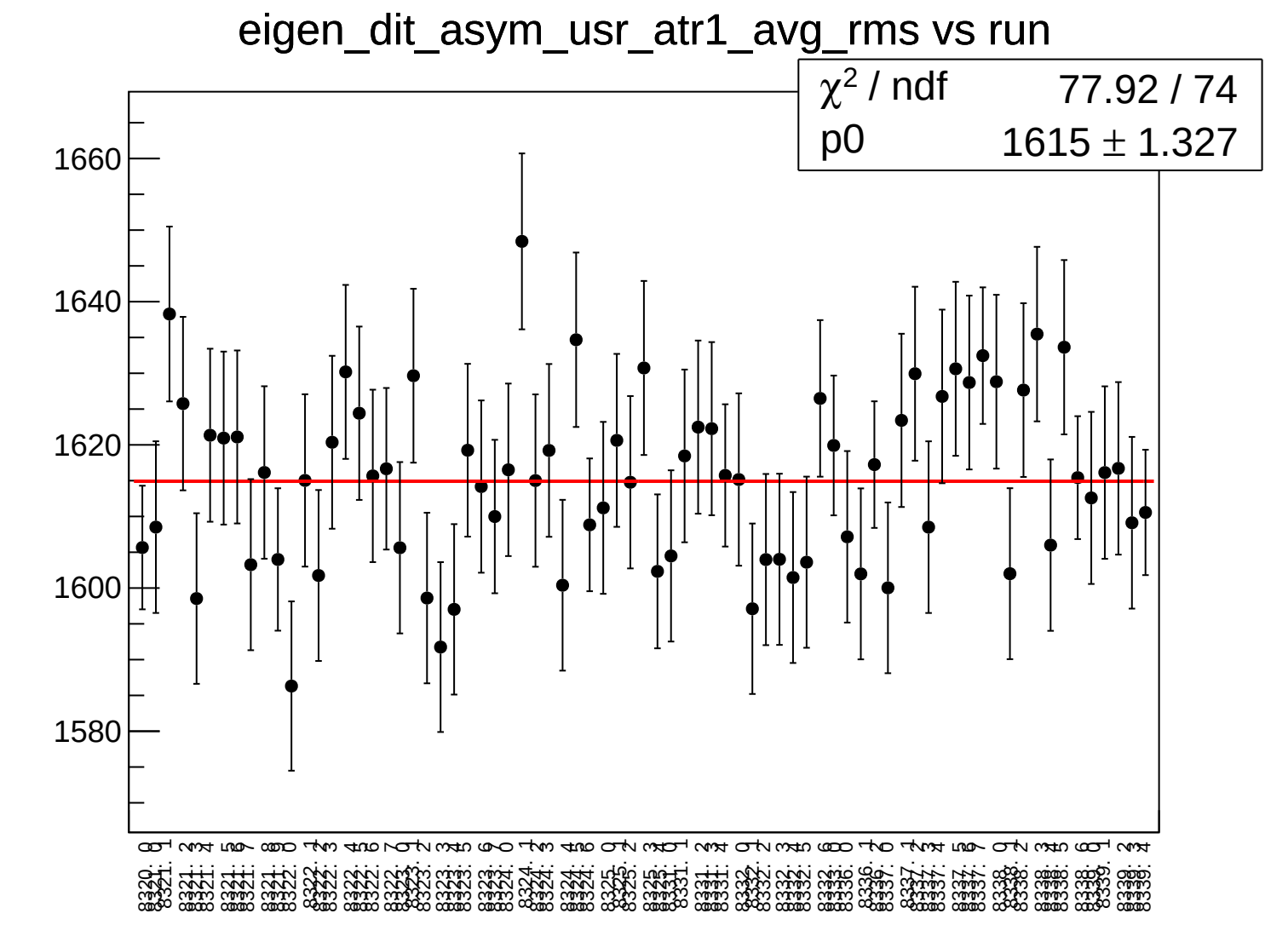

asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 82.63 / 74
p0 −2737 ± 2270
pull
Entries 75
Mean 493.2
Std Dev 0

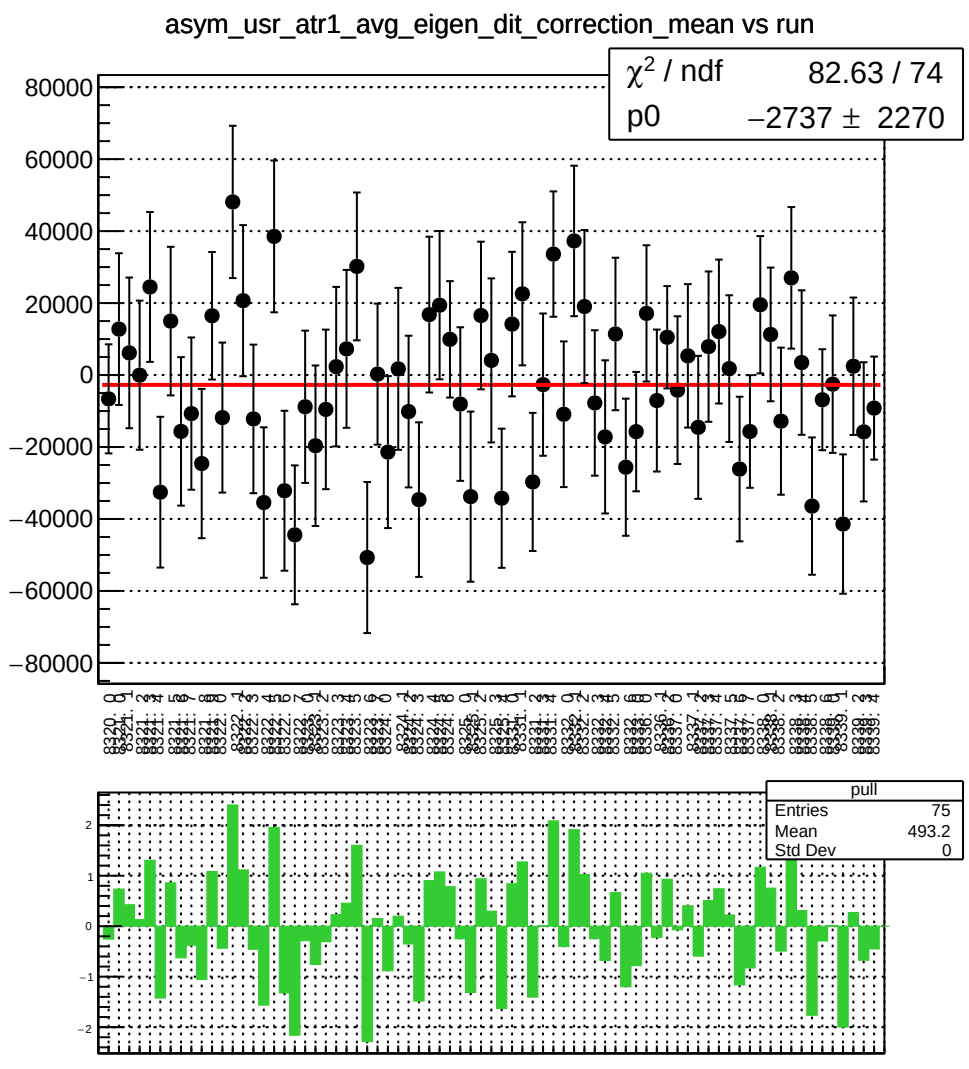

pull1D
Entries 75
Mean −0.002073
Std Dev 1.05

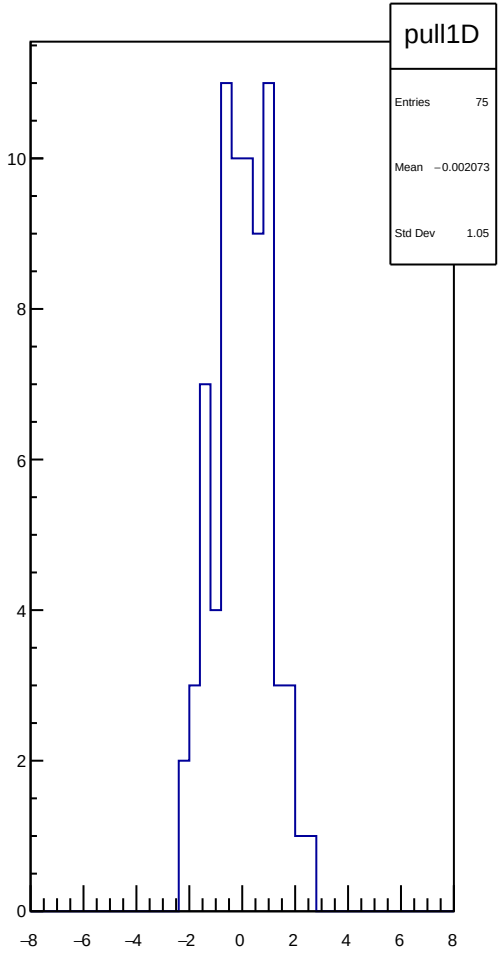

asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 3111 / 74
p0 1951 ± 1.605
2300
2200
2100
2000
1900
1800
1700

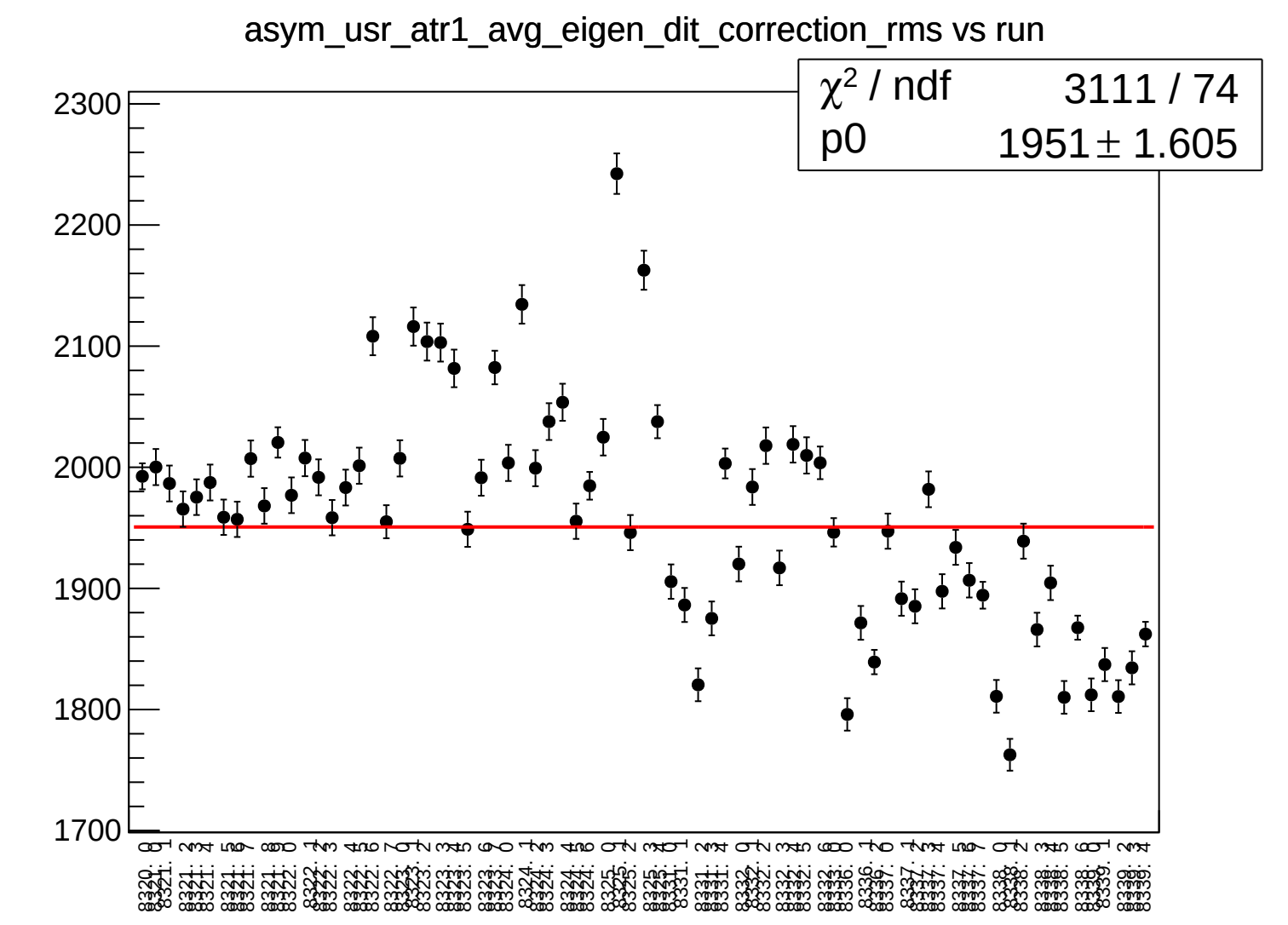

eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 94.26 / 74
p0 −3148 ± 1877
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 73.92
Std Dev 0
3
2
1
0
−1
−2

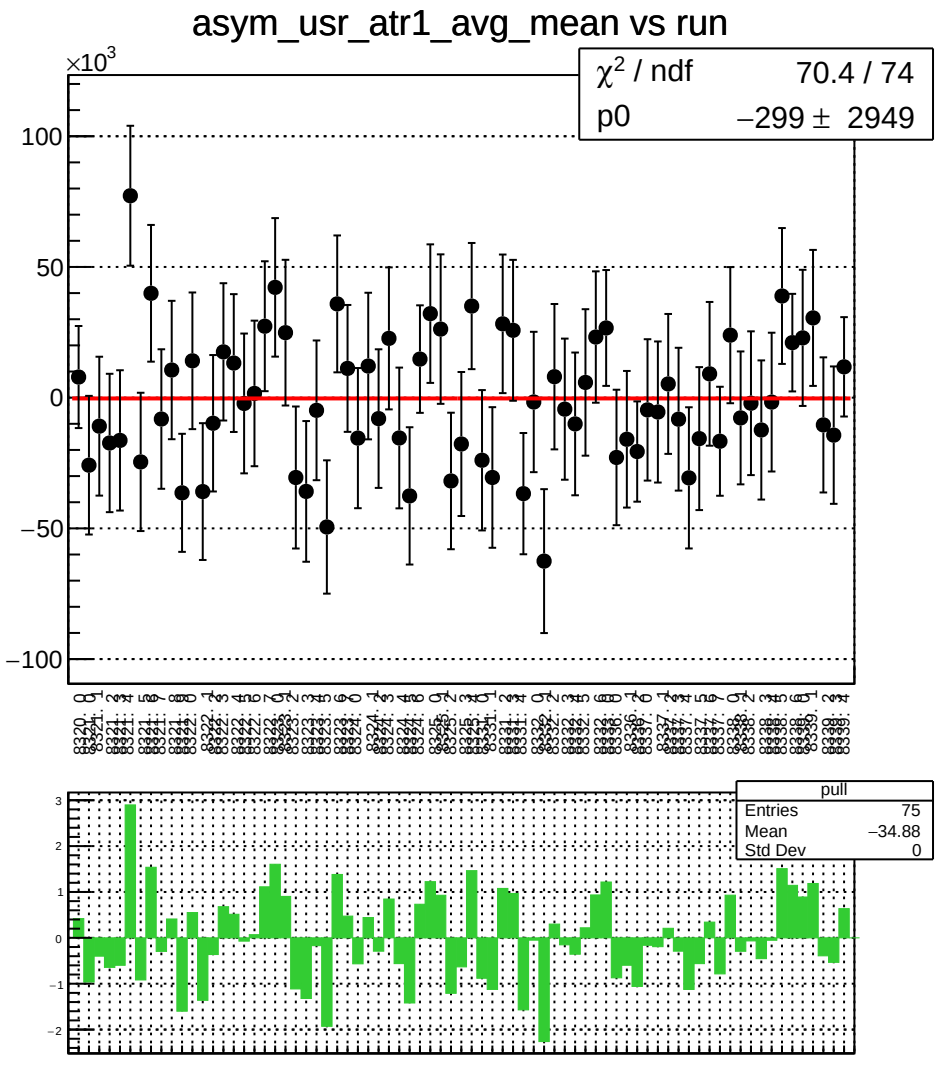

pull1D
Entries 75
Mean −0.01023
Std Dev 1.121
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

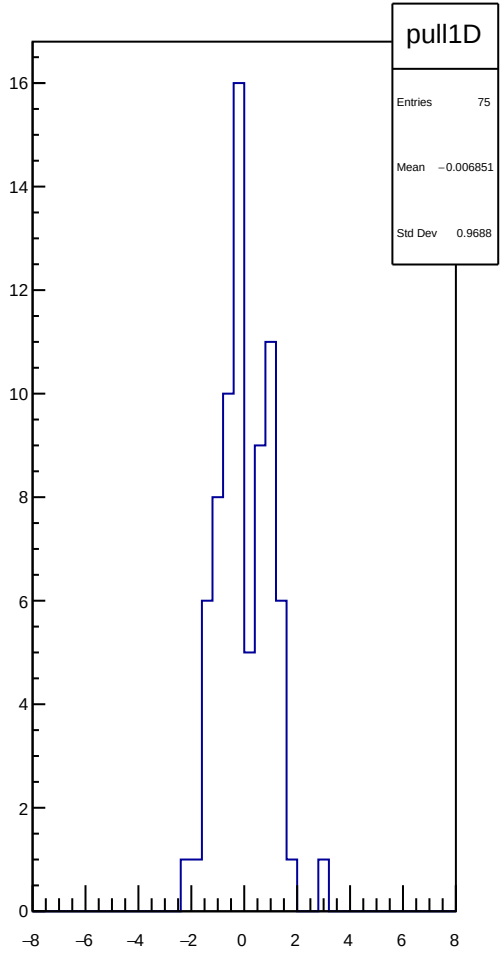

eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 77.92 / 74
p0 1615 ± 1.327
1660
1640
1620
1600
1580

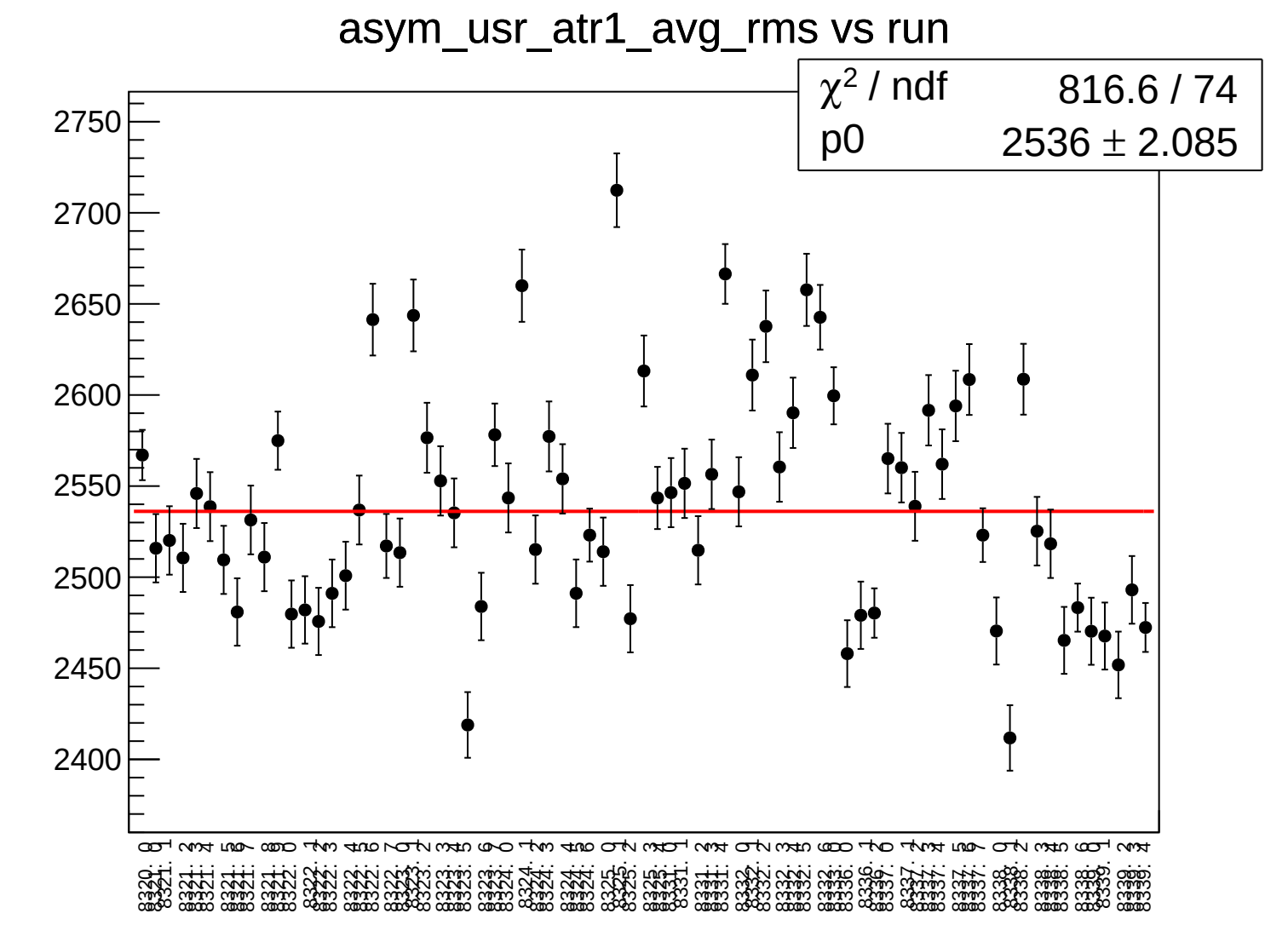

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.63 / 74
p0 −2737 ± 2270
pull
Entries 75
Mean 493.2
Std Dev 0

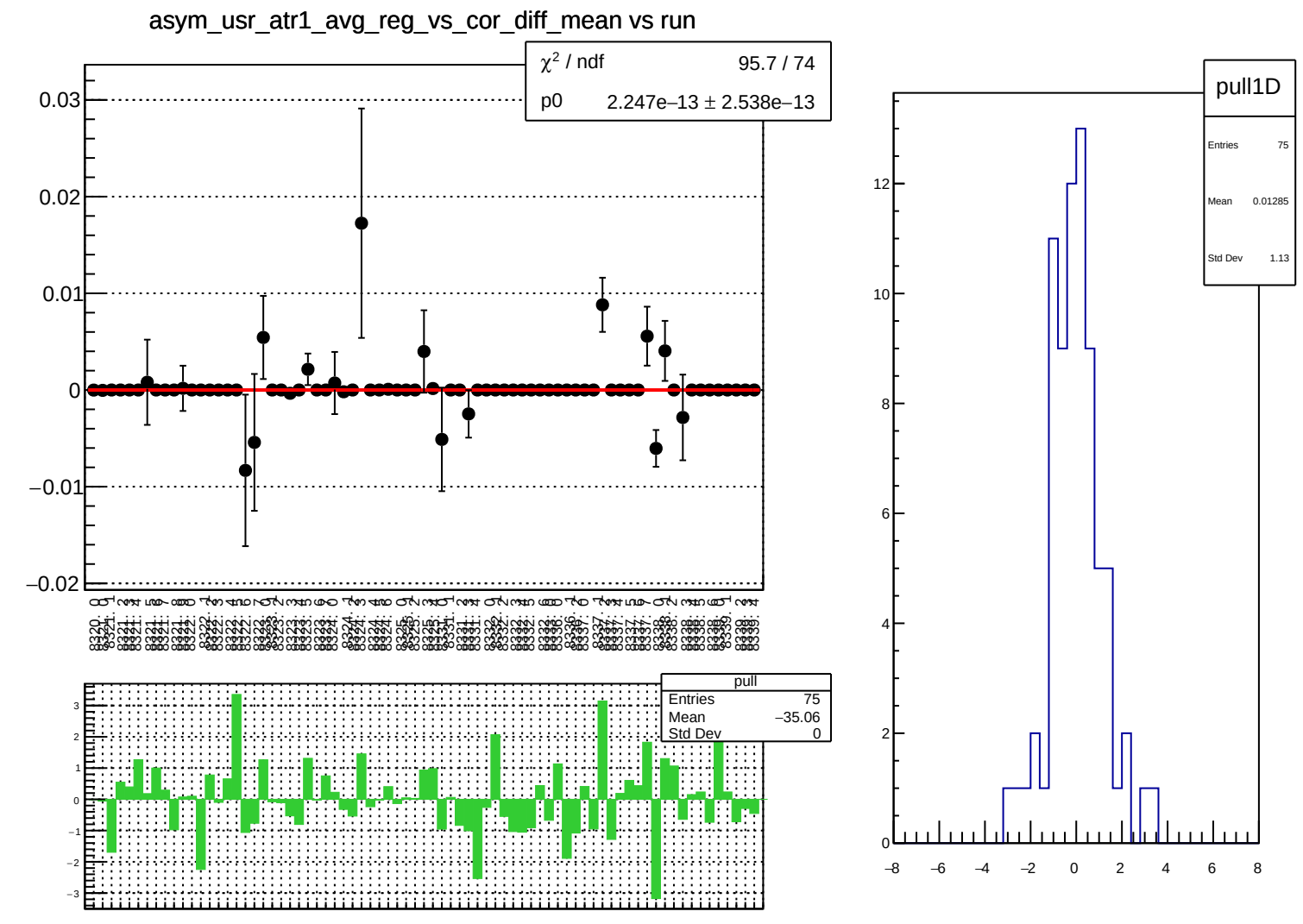

pull1D
Entries 75
Mean −0.002073
Std Dev 1.05

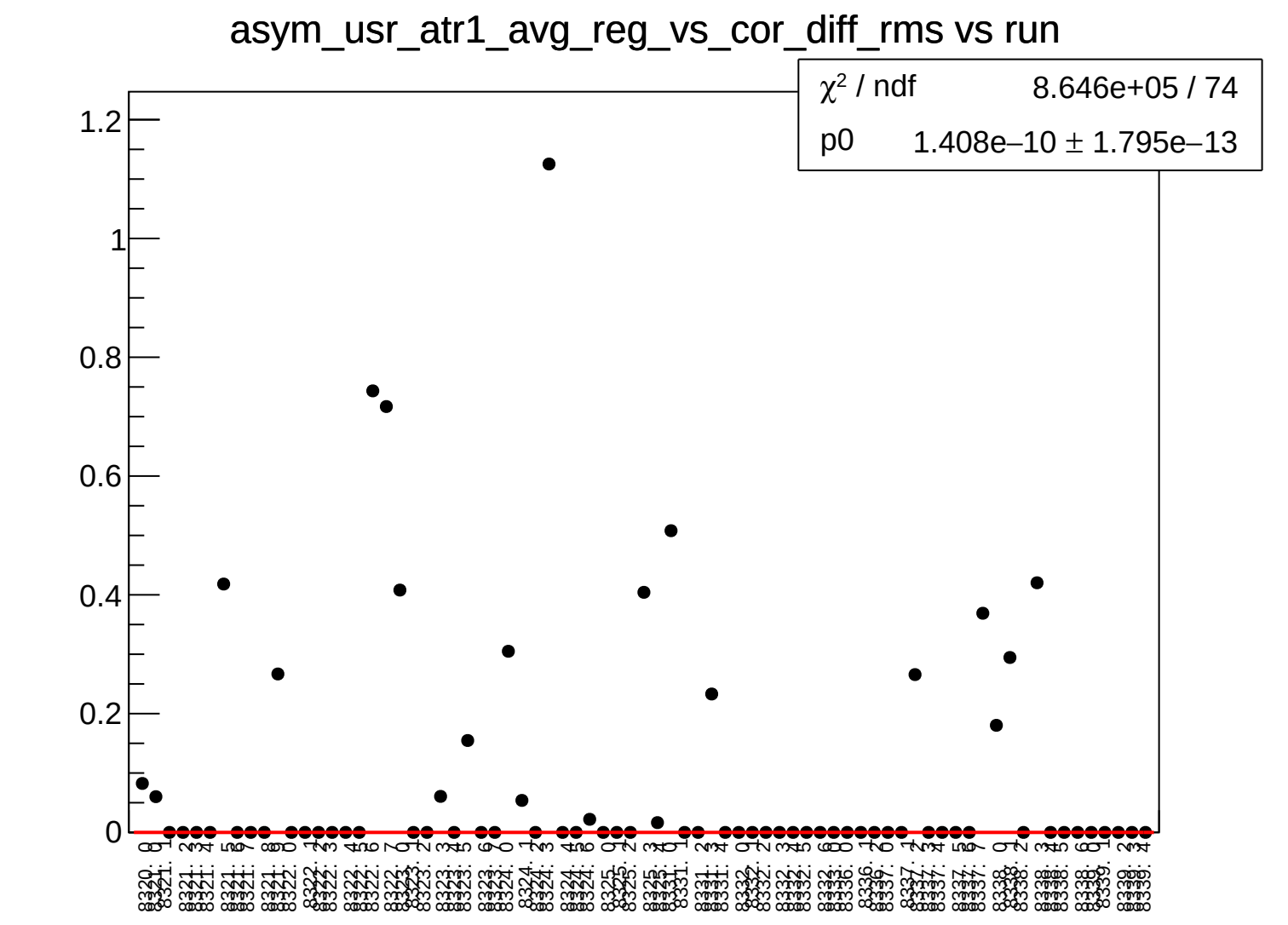

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3111 / 74
p0 1951 ± 1.605
2300
2200
2100
2000
1900
1800
1700

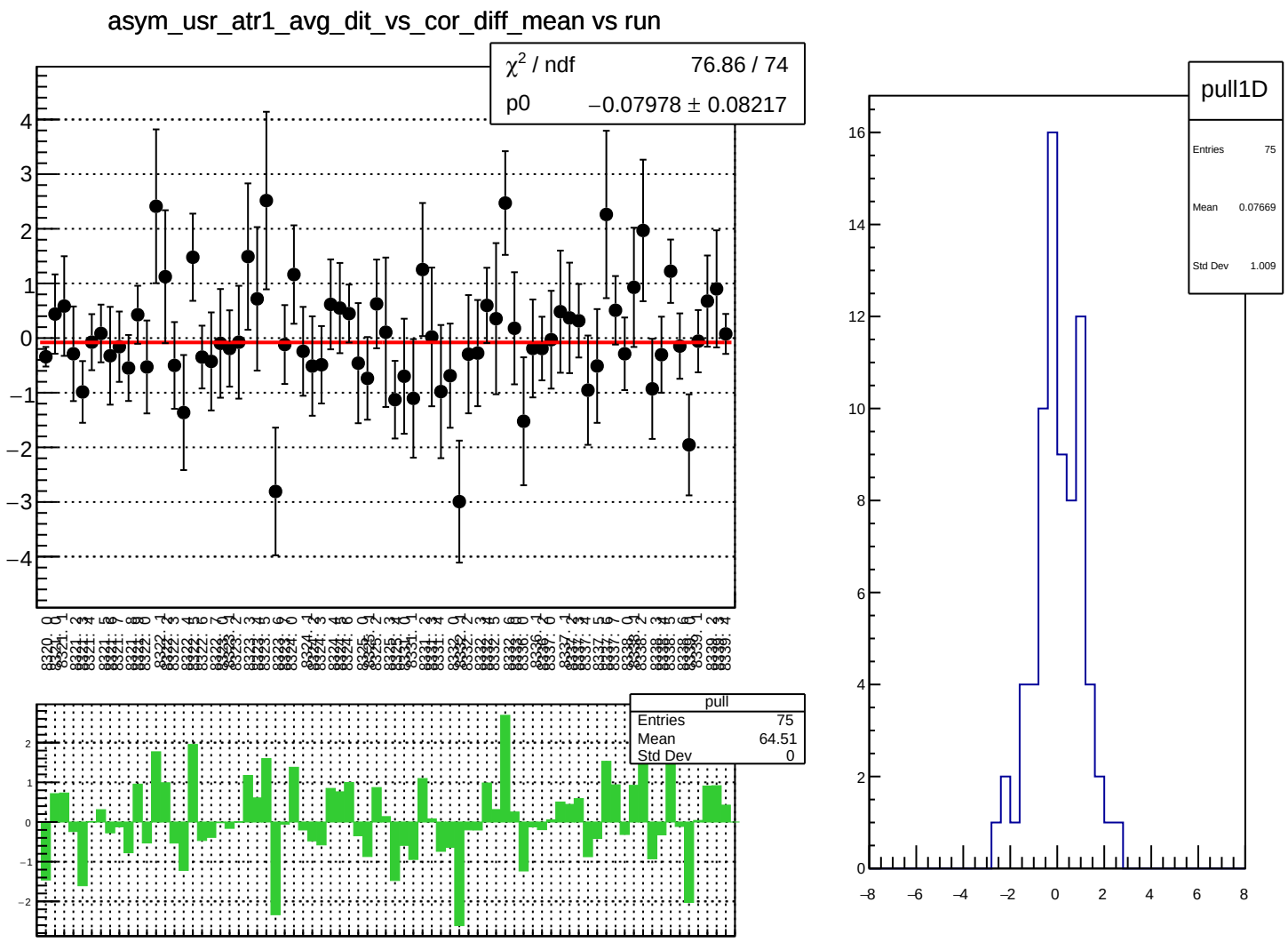

asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 70.4 / 74
p0 −299 ± 2949
100
50
0
−50
−100
pull
Entries 75
Mean −34.88
Std Dev 0
3
2
1
0
−1
−2

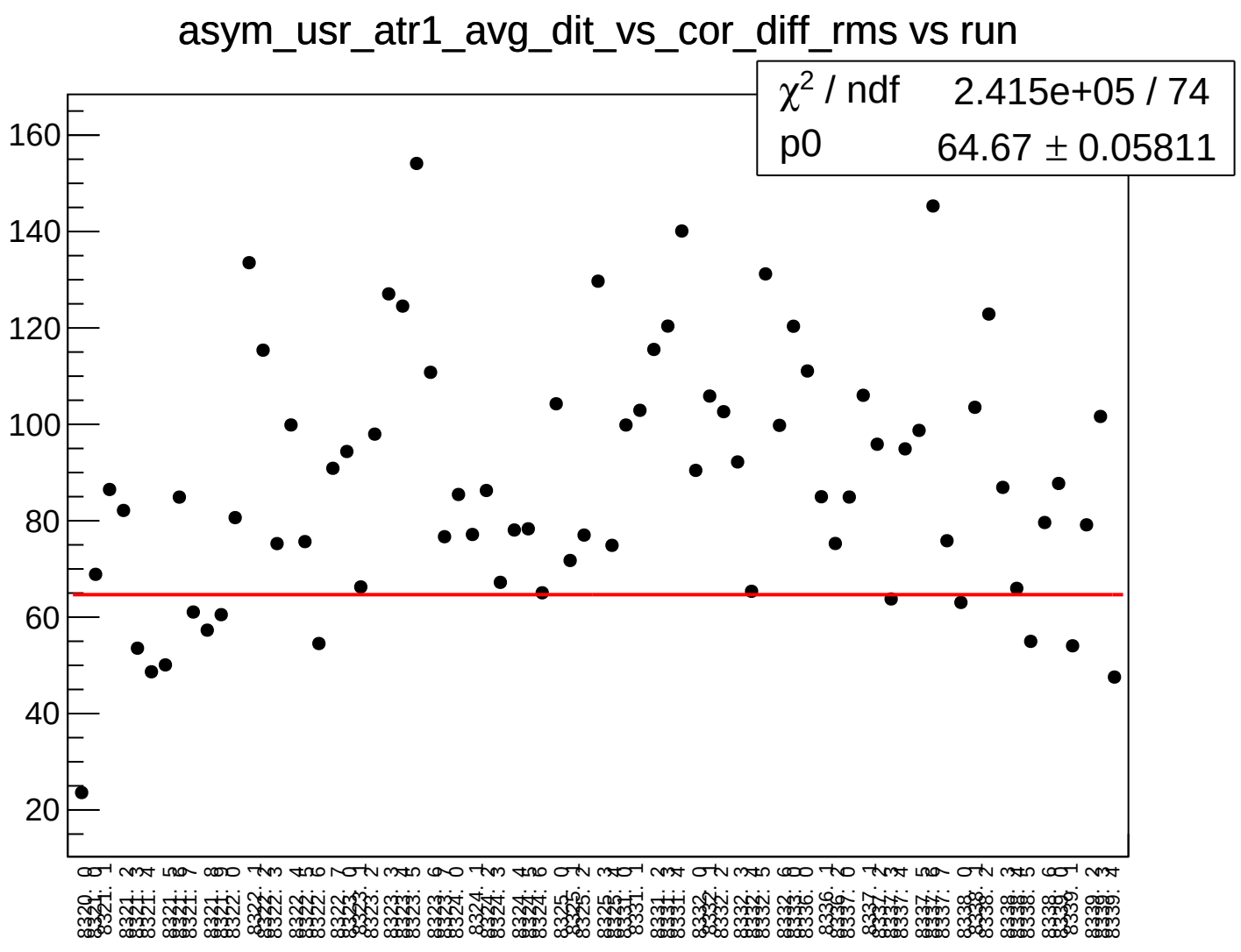

pull1D
Entries 75
Mean −0.006851
Std Dev 0.9688
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

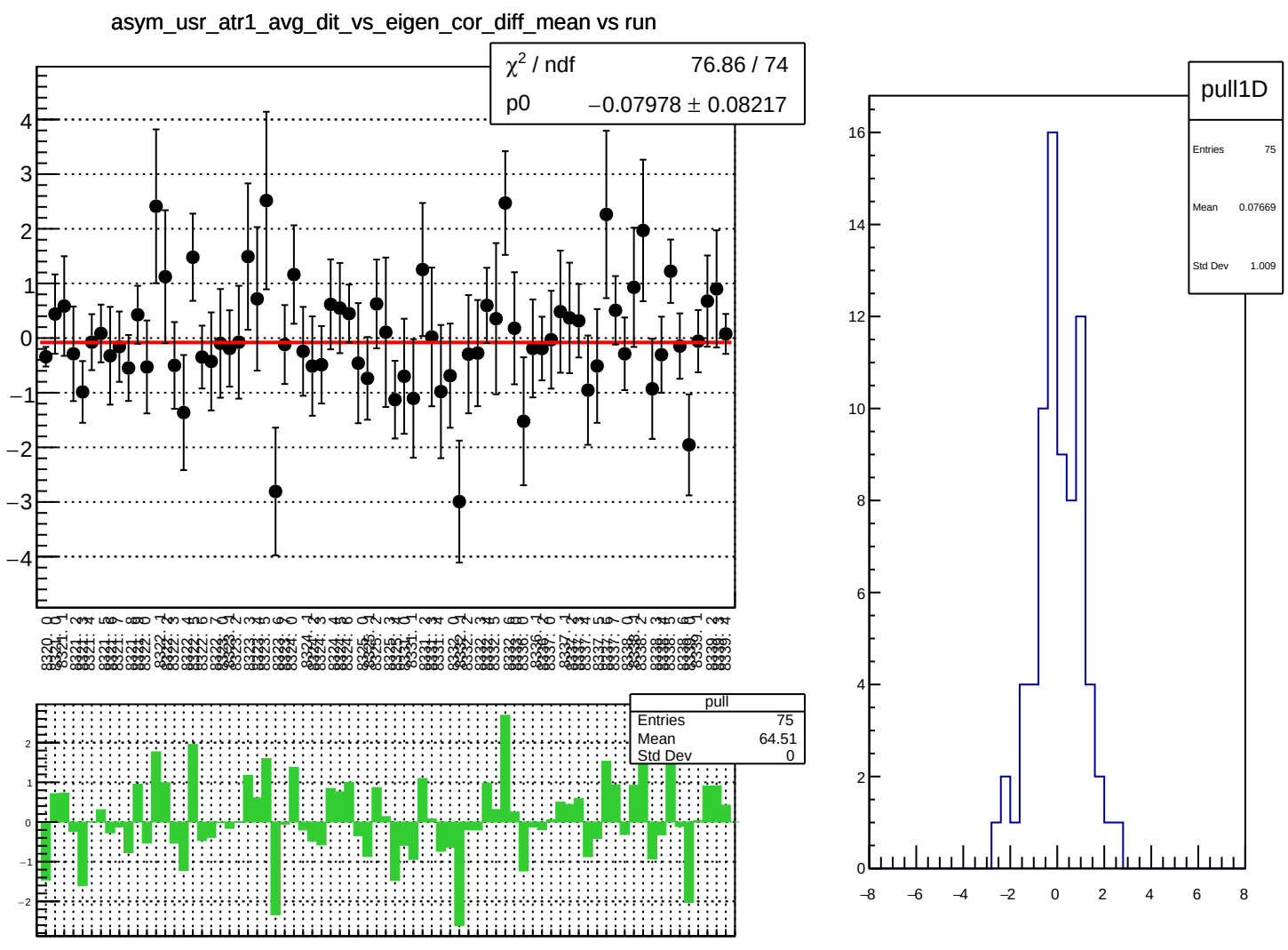

asym_usr_atr1_avg_rms vs run
χ² / ndf 816.6 / 74
p0 2536 ± 2.085
2750
2700
2650
2600
2550
2500
2450
2400

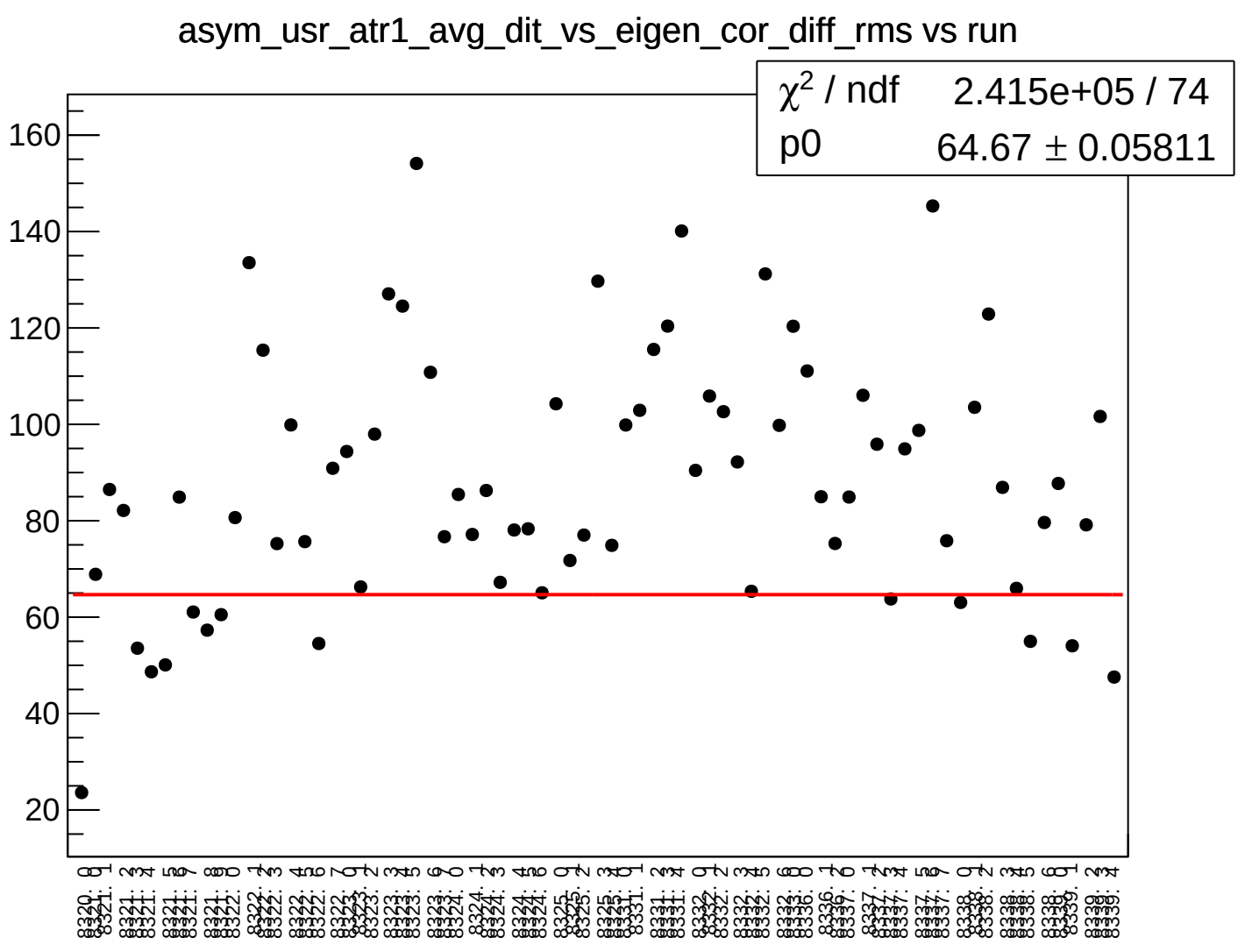

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 95.7 / 74
p0 2.247e−13 ± 2.538e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean −35.06
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 75
Mean 0.01285
Std Dev 1.13
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

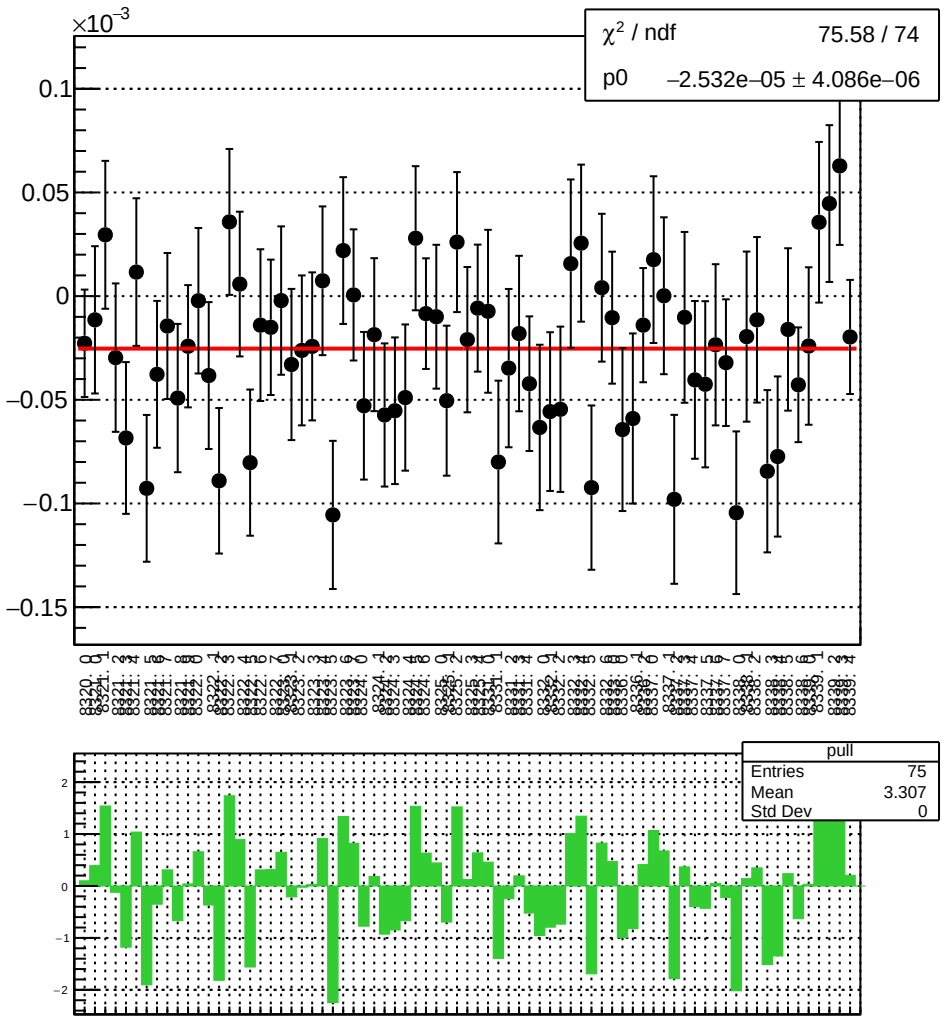

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.646e+05 / 74
p0 1.408e−10 ± 1.795e−13
1.2
1
0.8
0.6
0.4
0.2
0

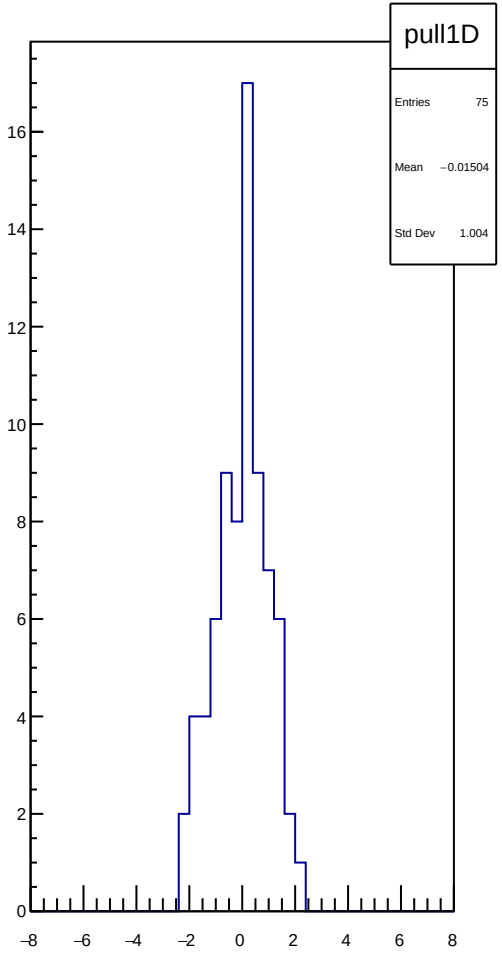

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 76.86 / 74
p0 −0.07978 ± 0.08217
pull
Entries 75
Mean 64.51
Std Dev 0
pull1D
Entries 75
Mean 0.07669
Std Dev 1.009

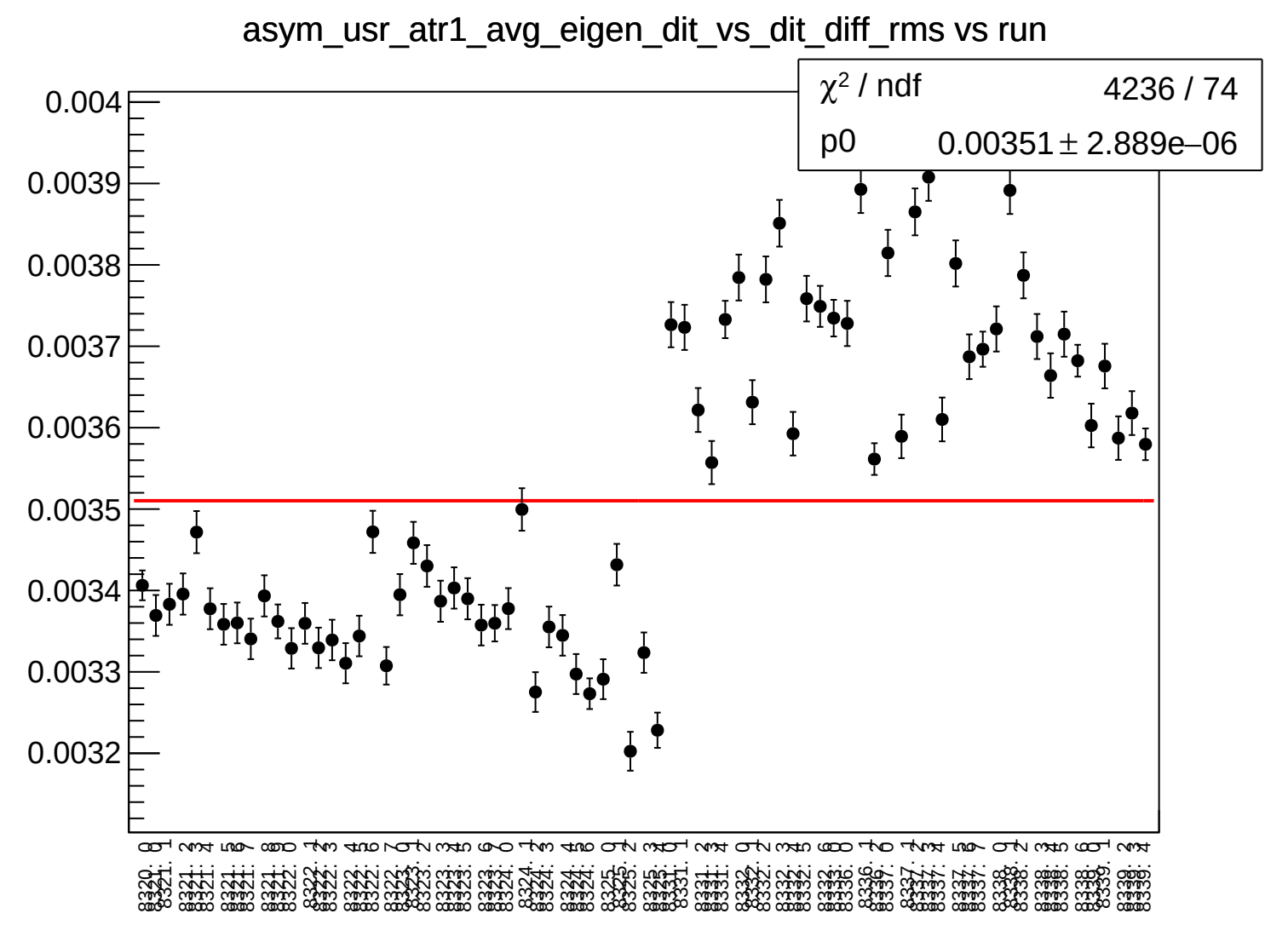

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.415e+05 / 74
p0 64.67 ± 0.05811
160
140
120
100
80
60
40
20

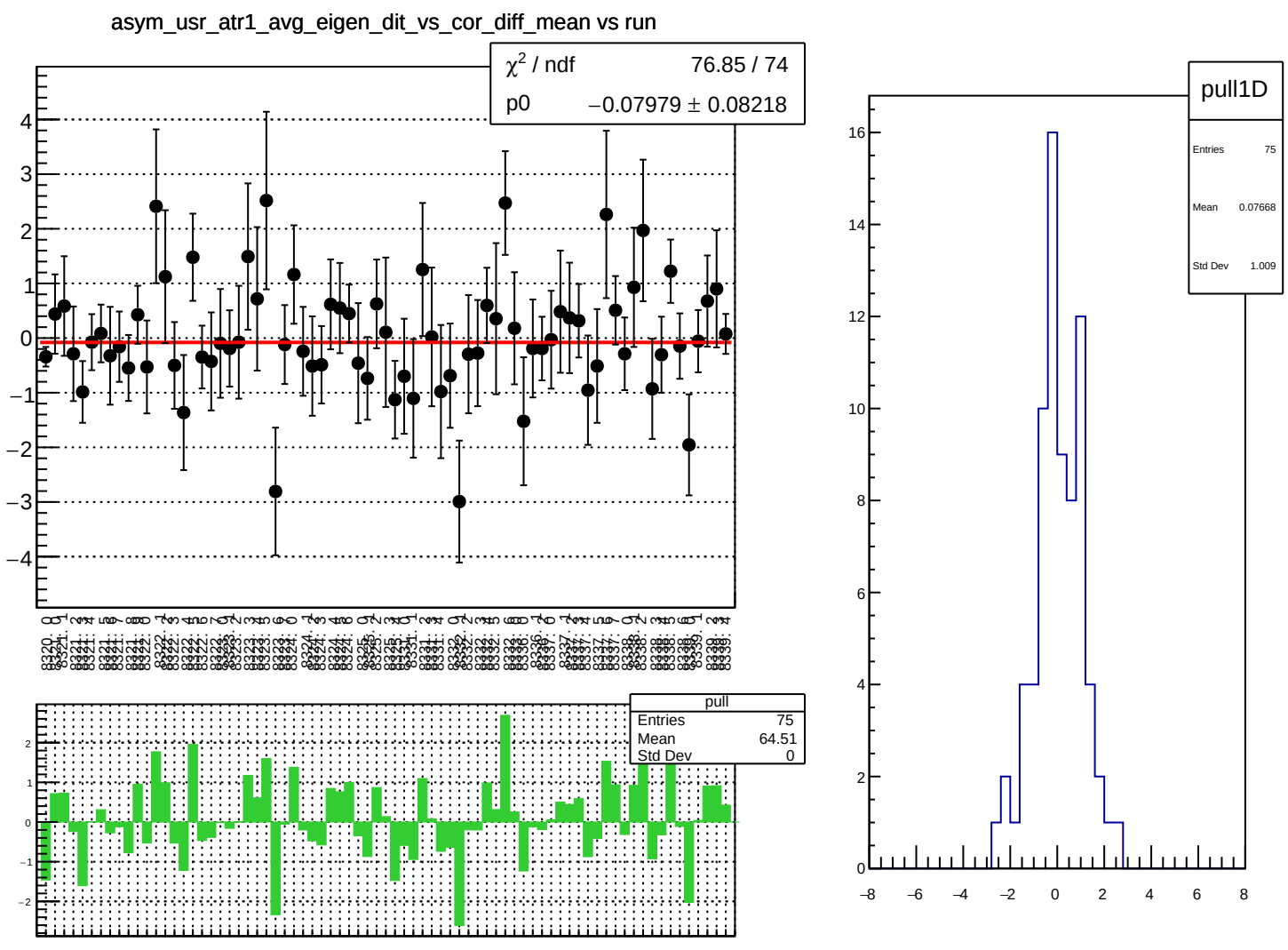

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.86 / 74
p0 −0.07978 ± 0.08217
pull
Entries 75
Mean 64.51
Std Dev 0
pull1D
Entries 75
Mean 0.07669
Std Dev 1.009

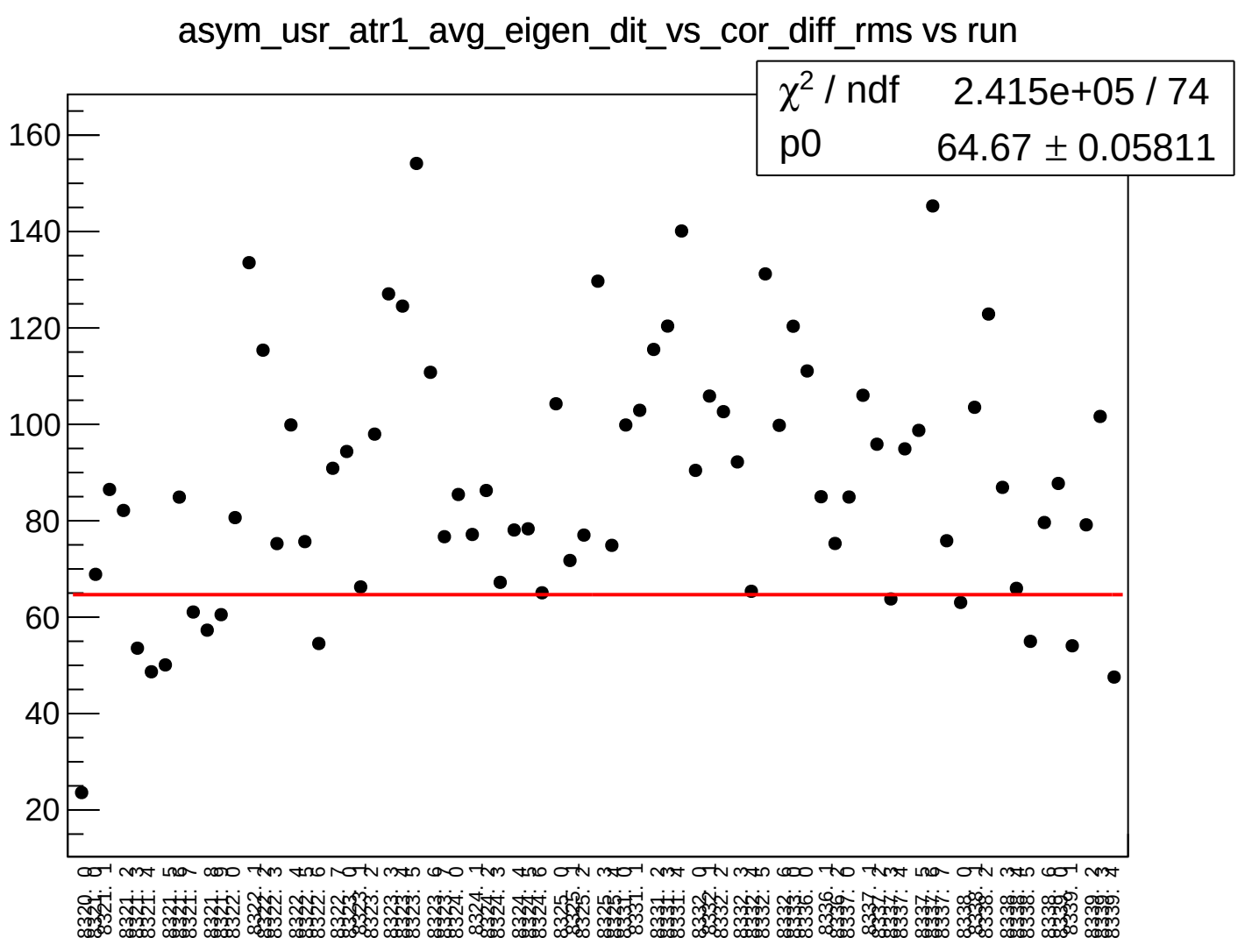

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.415e+05 / 74
p0 64.67 ± 0.05811
160
140
120
100
80
60
40
20

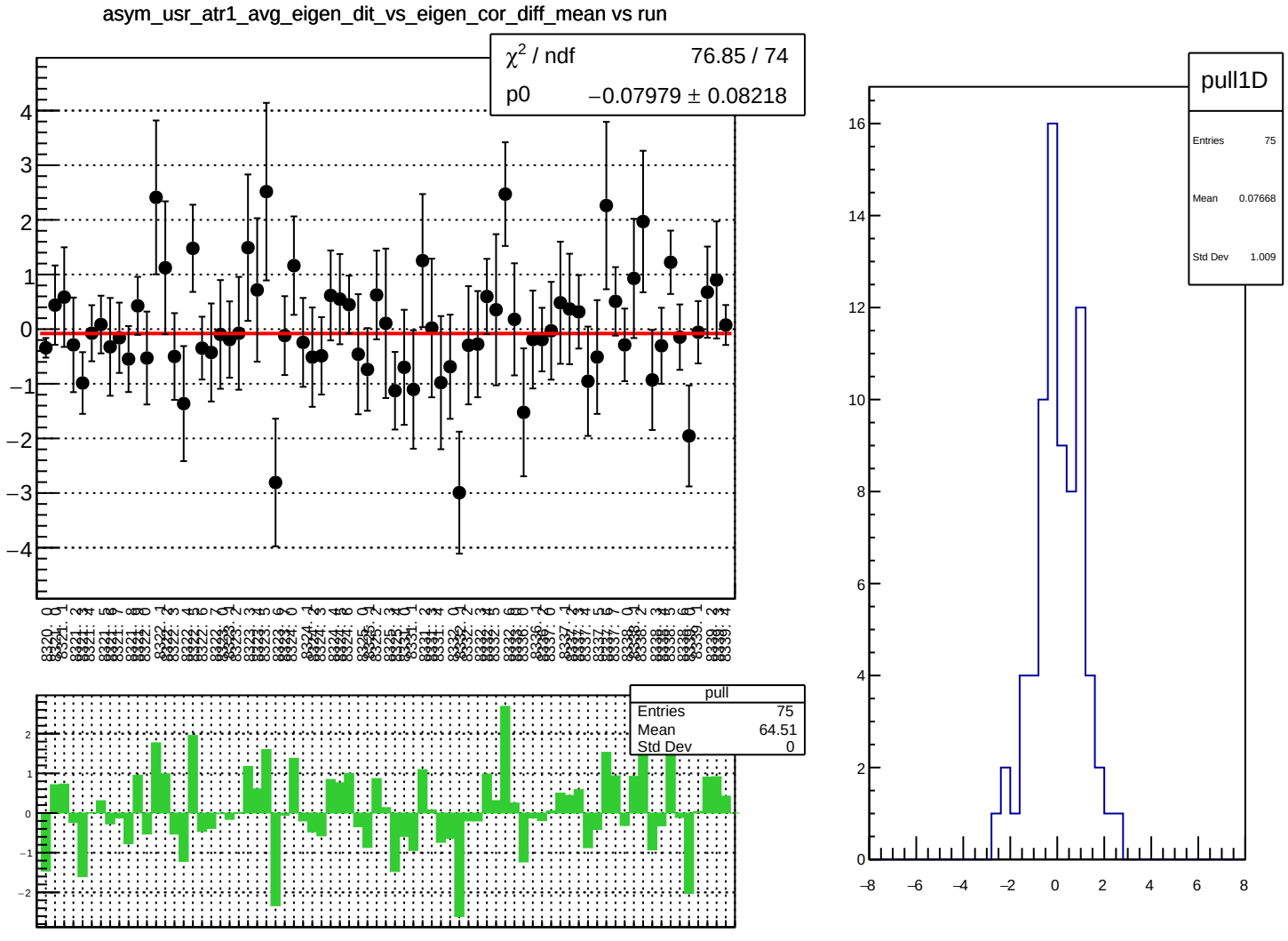

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.58 / 74
p0 −2.532e−05 ± 4.086e−06
pull
Entries 75
Mean 3.307
Std Dev 0

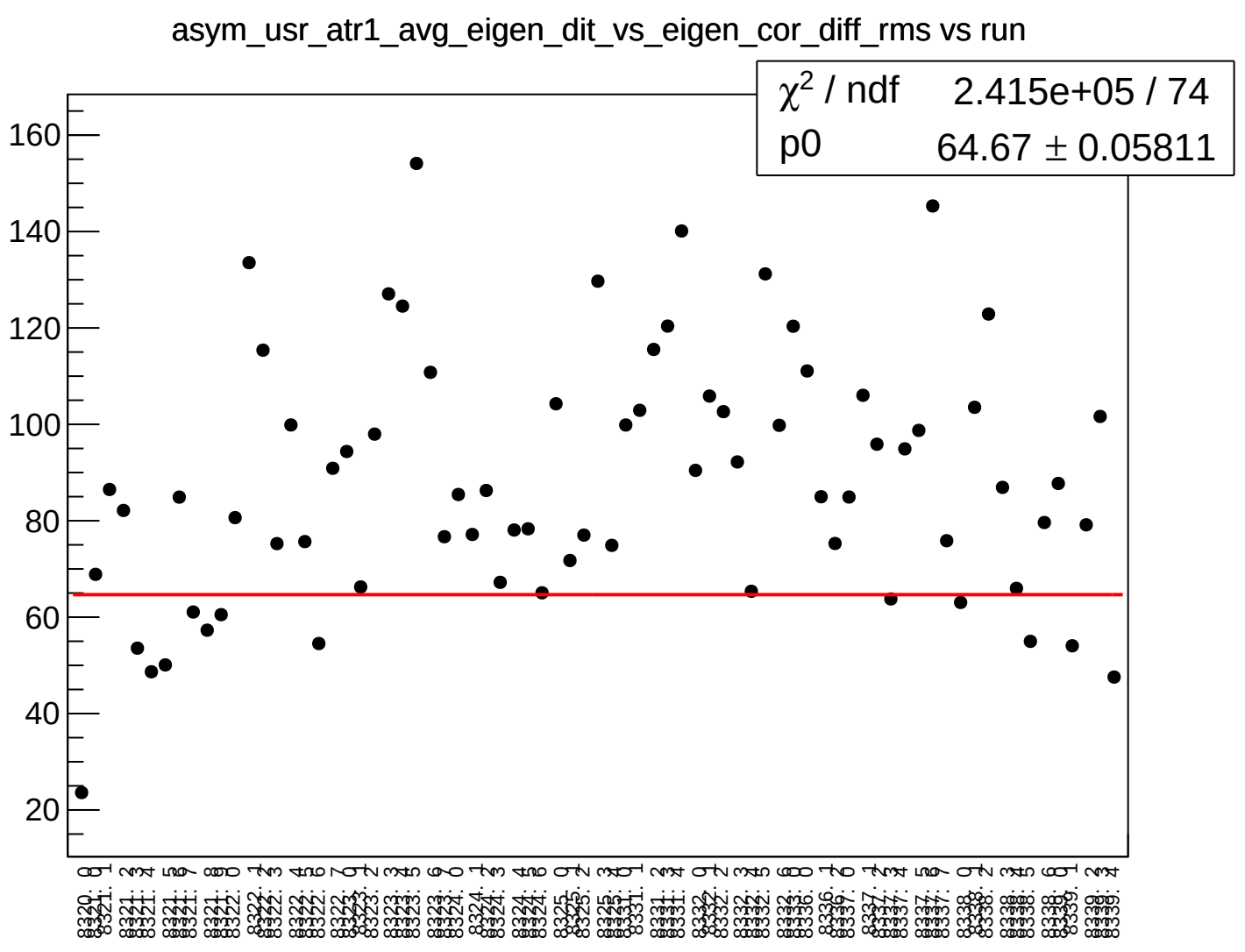

pull1D
Entries 75
Mean −0.01504
Std Dev 1.004

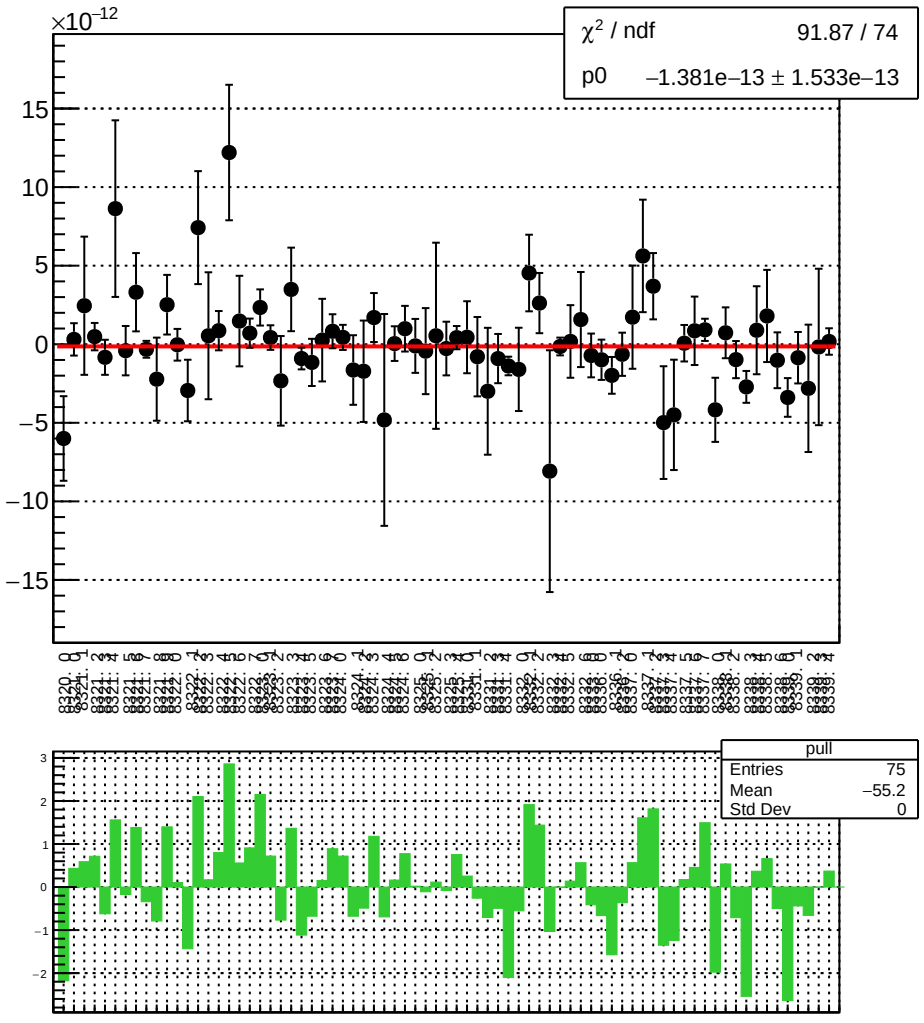

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4236 / 74
p0 0.00351 ± 2.889e–06
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032

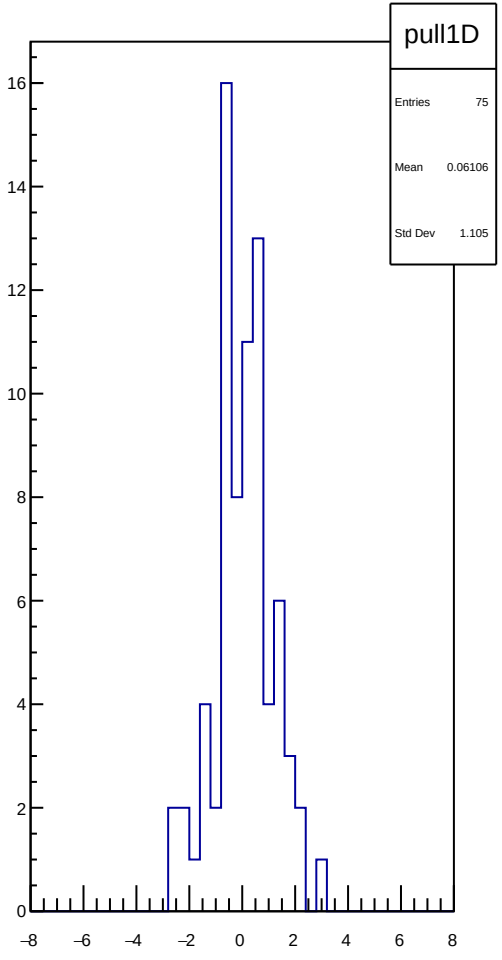

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.85 / 74
p0 −0.07979 ± 0.08218
pull
Entries 75
Mean 64.51
Std Dev 0
pull1D
Entries 75
Mean 0.07668
Std Dev 1.009

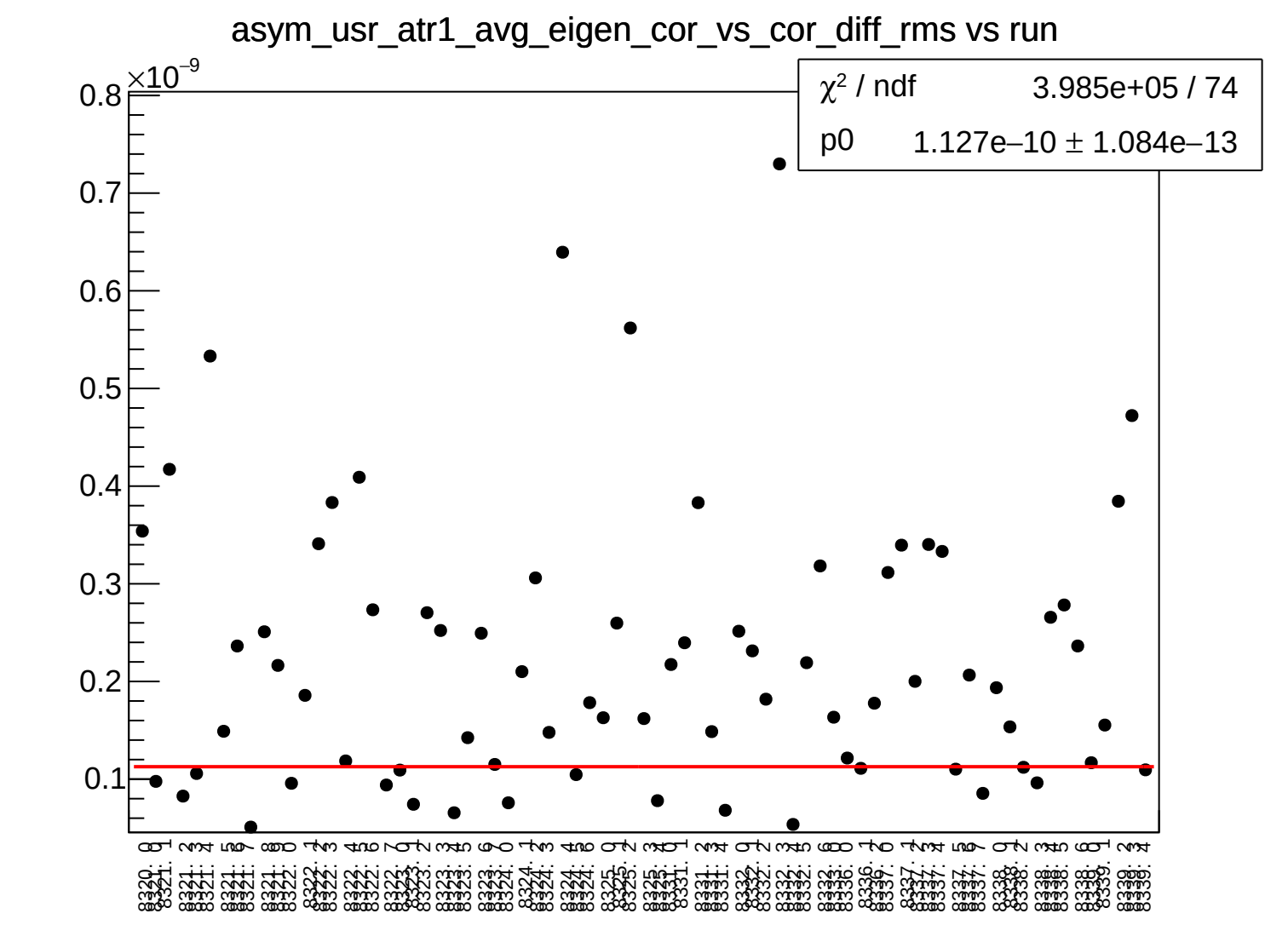

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.415e+05 / 74
p0 64.67 ± 0.05811
160
140
120
100
80
60
40
20

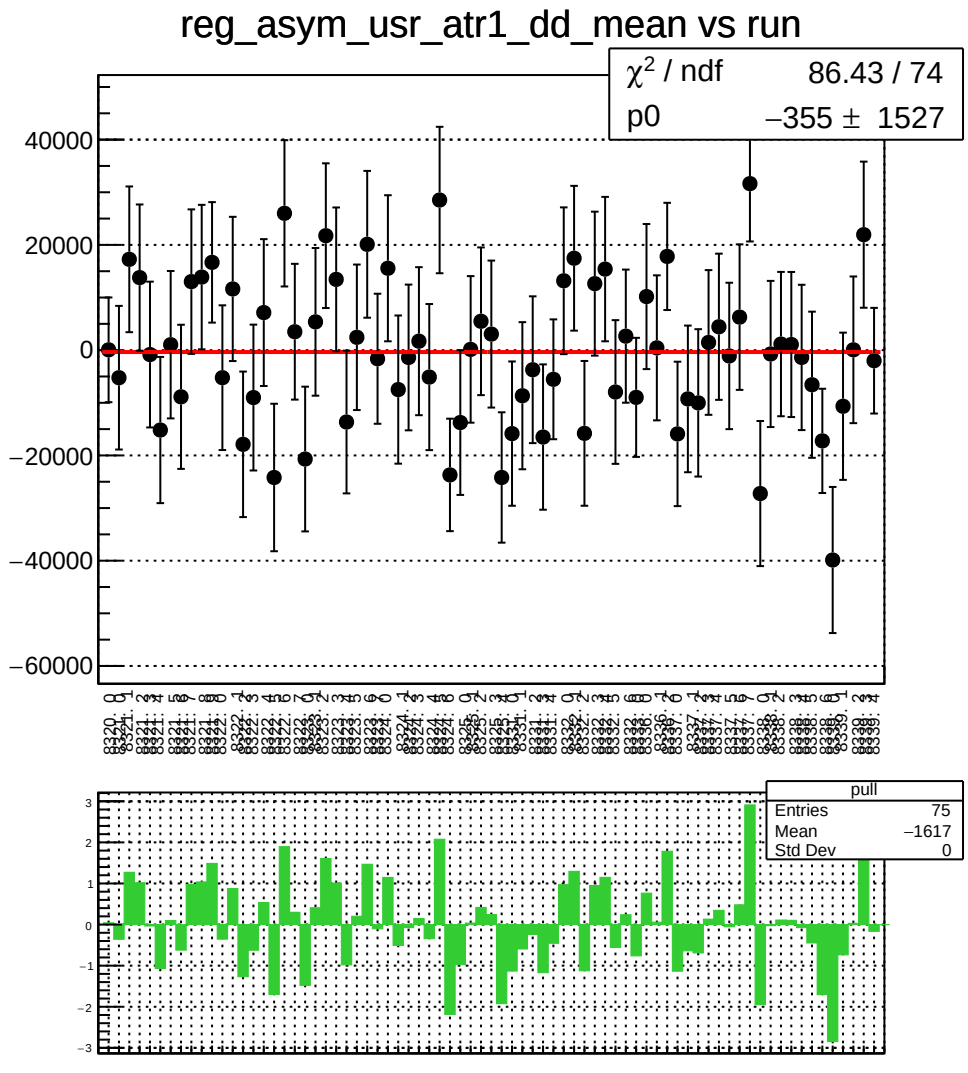

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.85 / 74
p0 −0.07979 ± 0.08218
pull
Entries 75
Mean 64.51
Std Dev 0
pull1D
Entries 75
Mean 0.07668
Std Dev 1.009

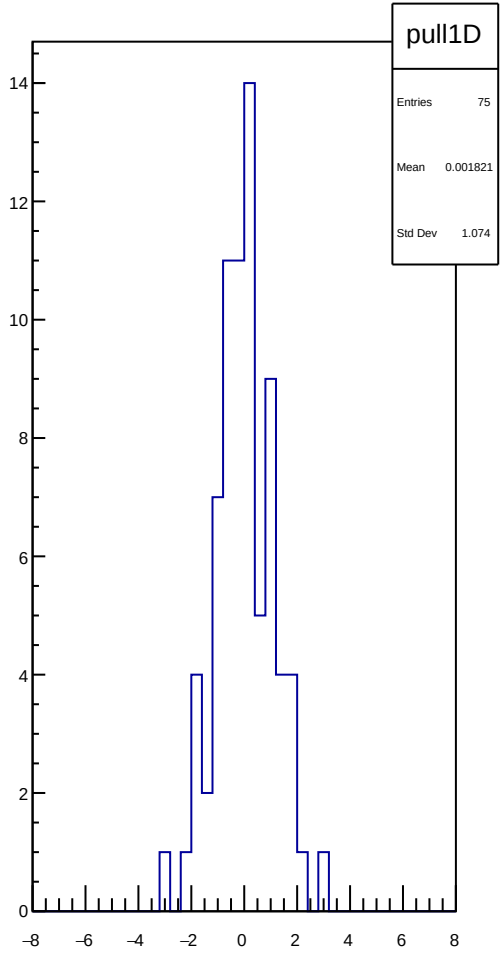

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.415e+05 / 74
p0 64.67 ± 0.05811
160
140
120
100
80
60
40
20

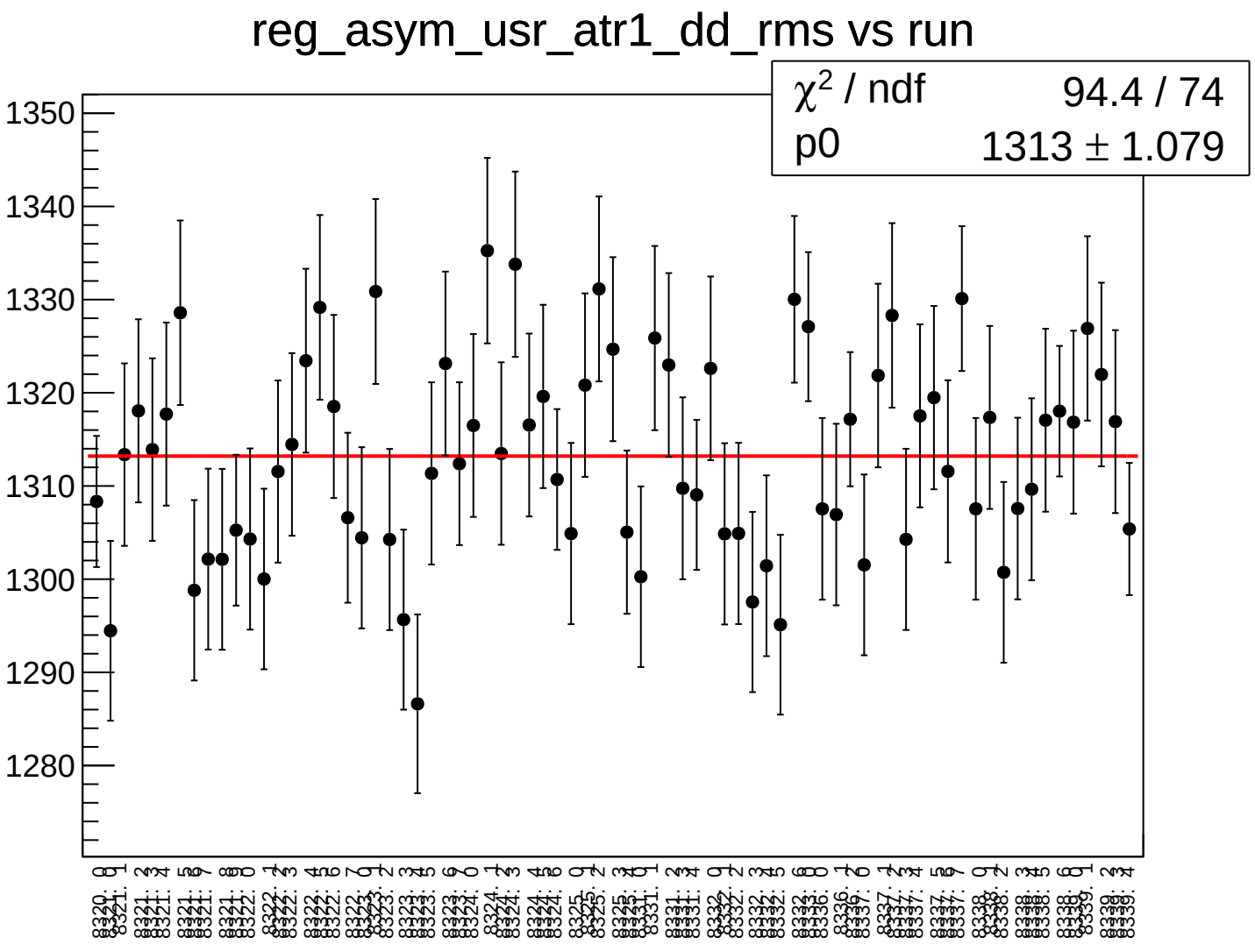

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.87 / 74
p0 −1.381e−13 ± 1.533e−13
pull
Entries 75
Mean −55.2
Std Dev 0

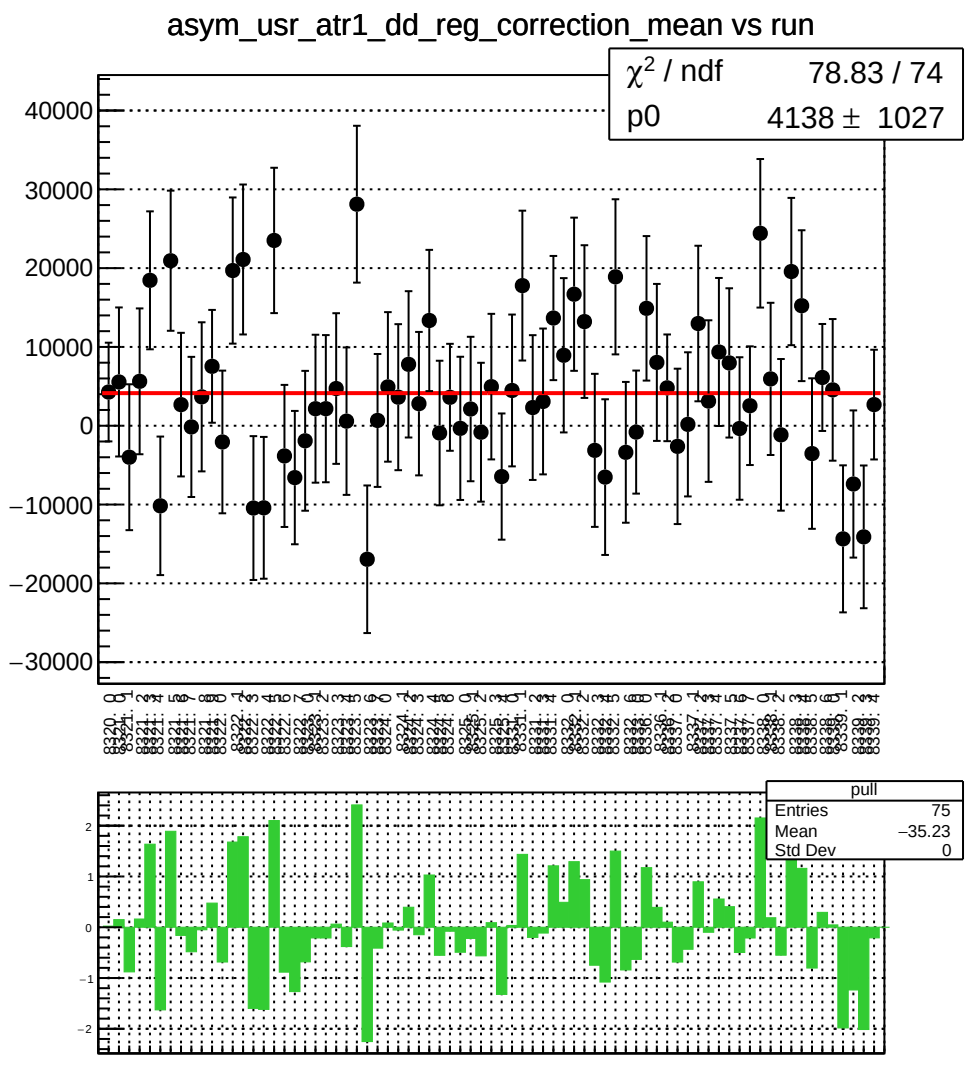

pull1D
Entries 75
Mean 0.06106
Std Dev 1.105

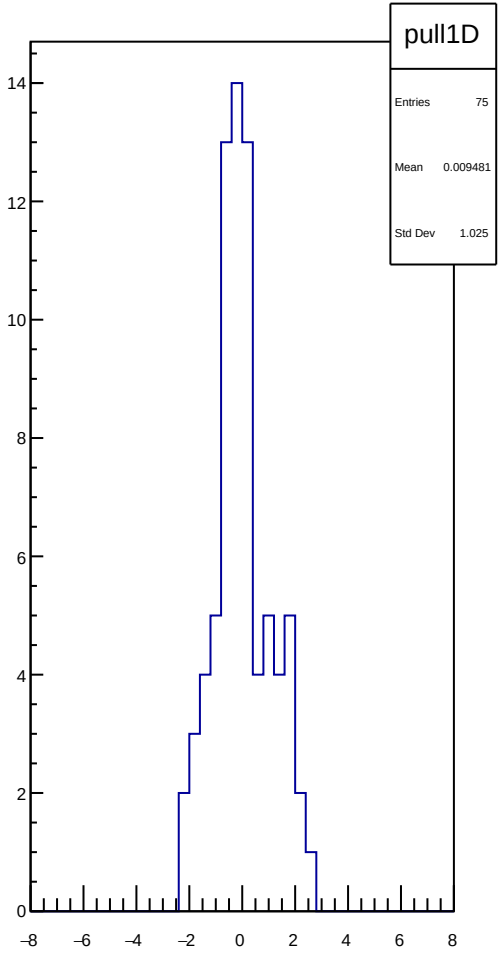

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.985e+05 / 74
p0 1.127e−10 ± 1.084e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

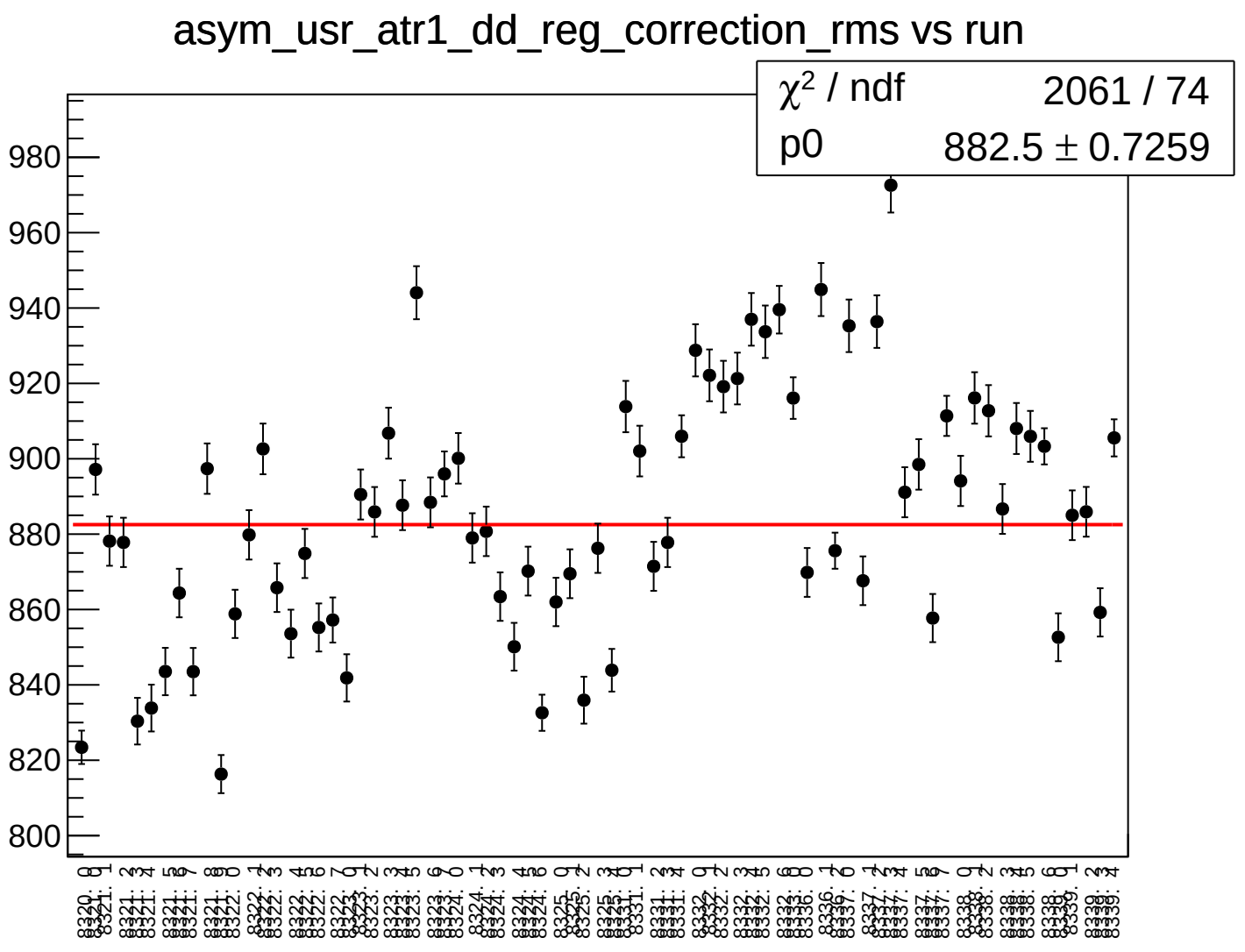

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.43 / 74
p0 −355 ± 1527
pull
Entries 75
Mean −1617
Std Dev 0

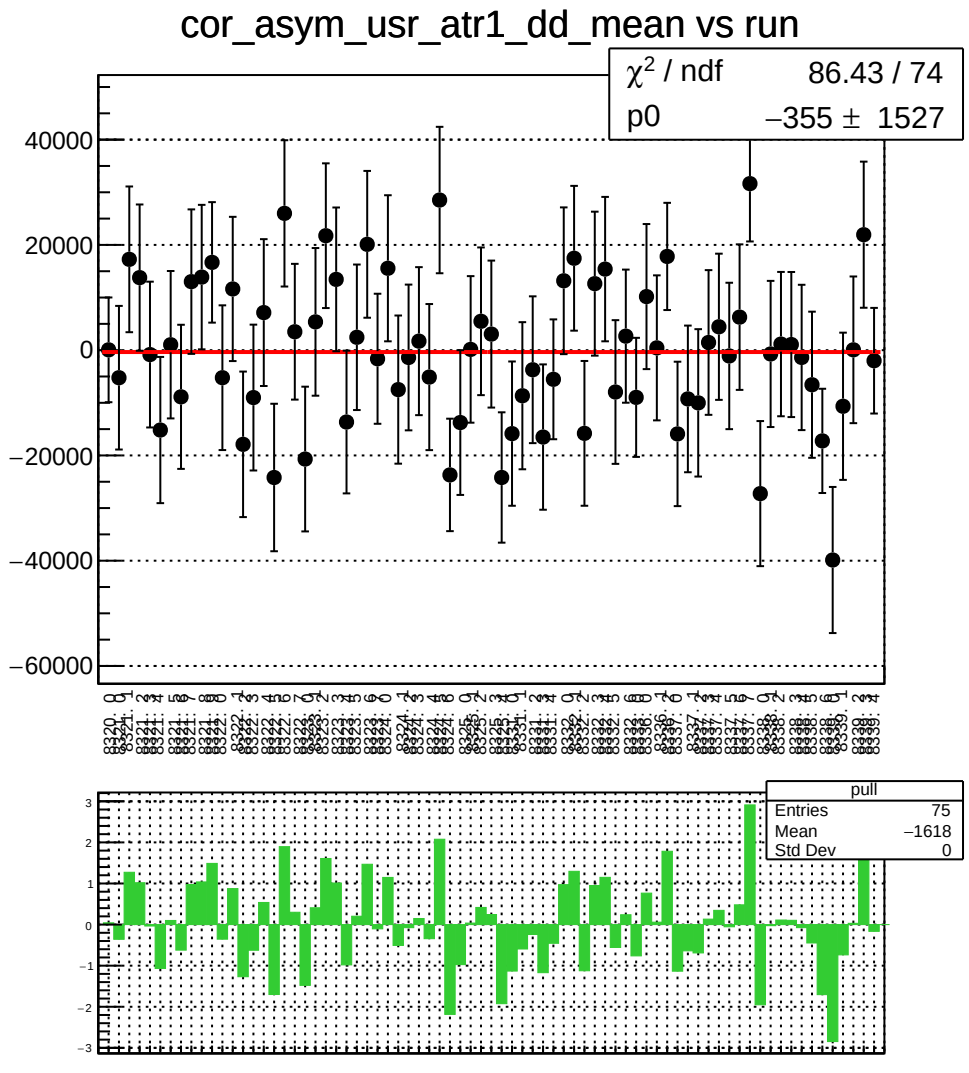

pull1D
Entries 75
Mean 0.001821
Std Dev 1.074

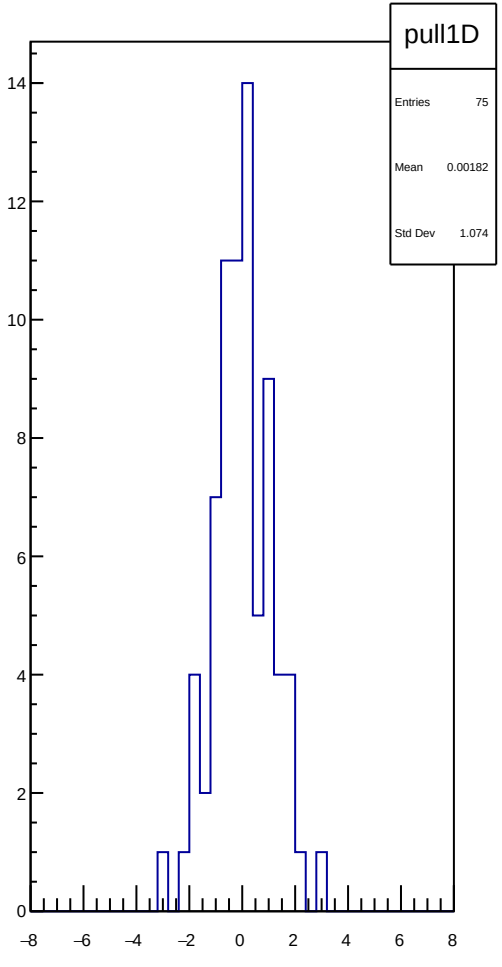

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 94.4 / 74
p0 1313 ± 1.079
1350
1340
1330
1320
1310
1300
1290
1280

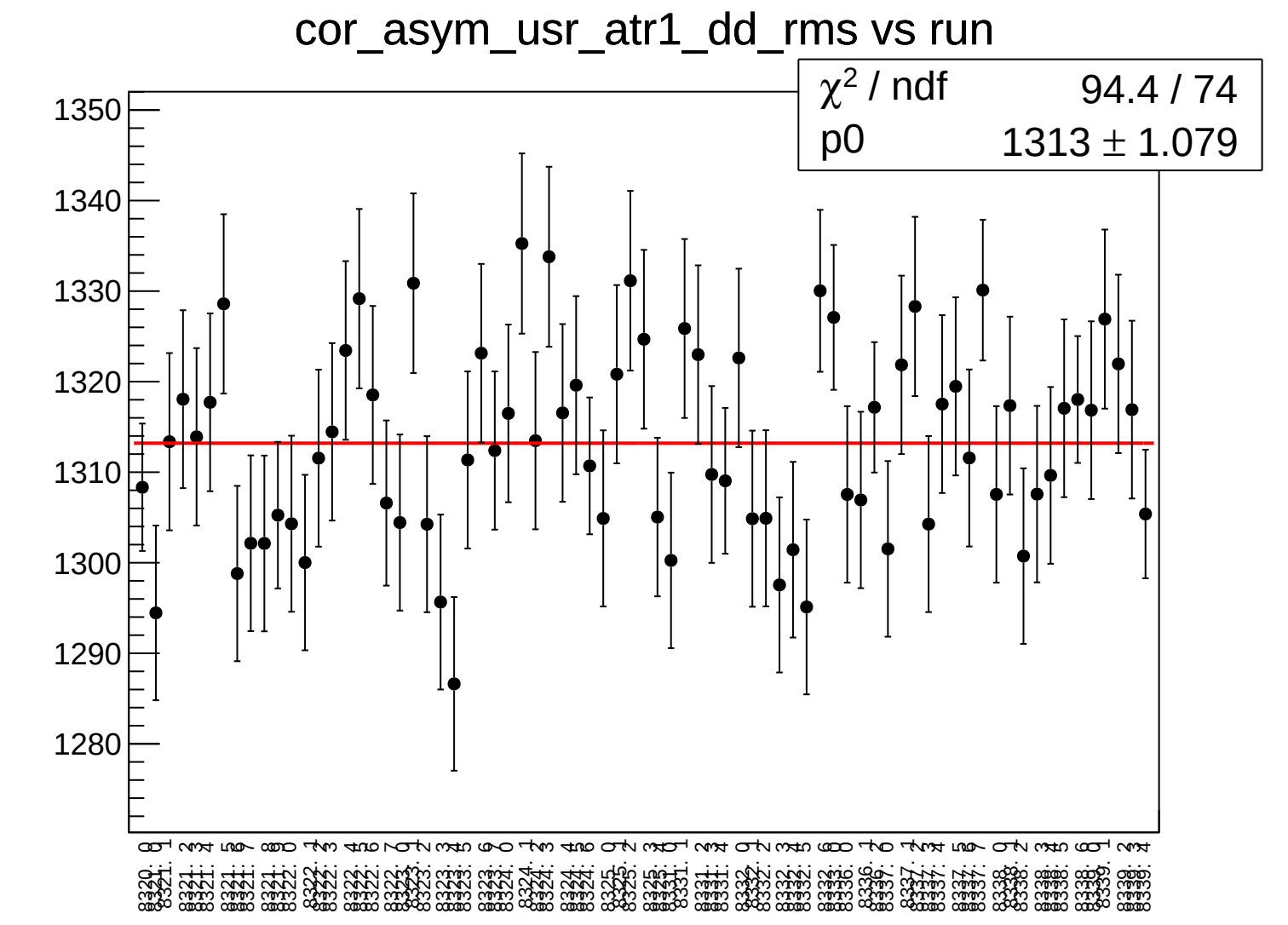

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 78.83 / 74
p0 4138 ± 1027
pull
Entries 75
Mean −35.23
Std Dev 0

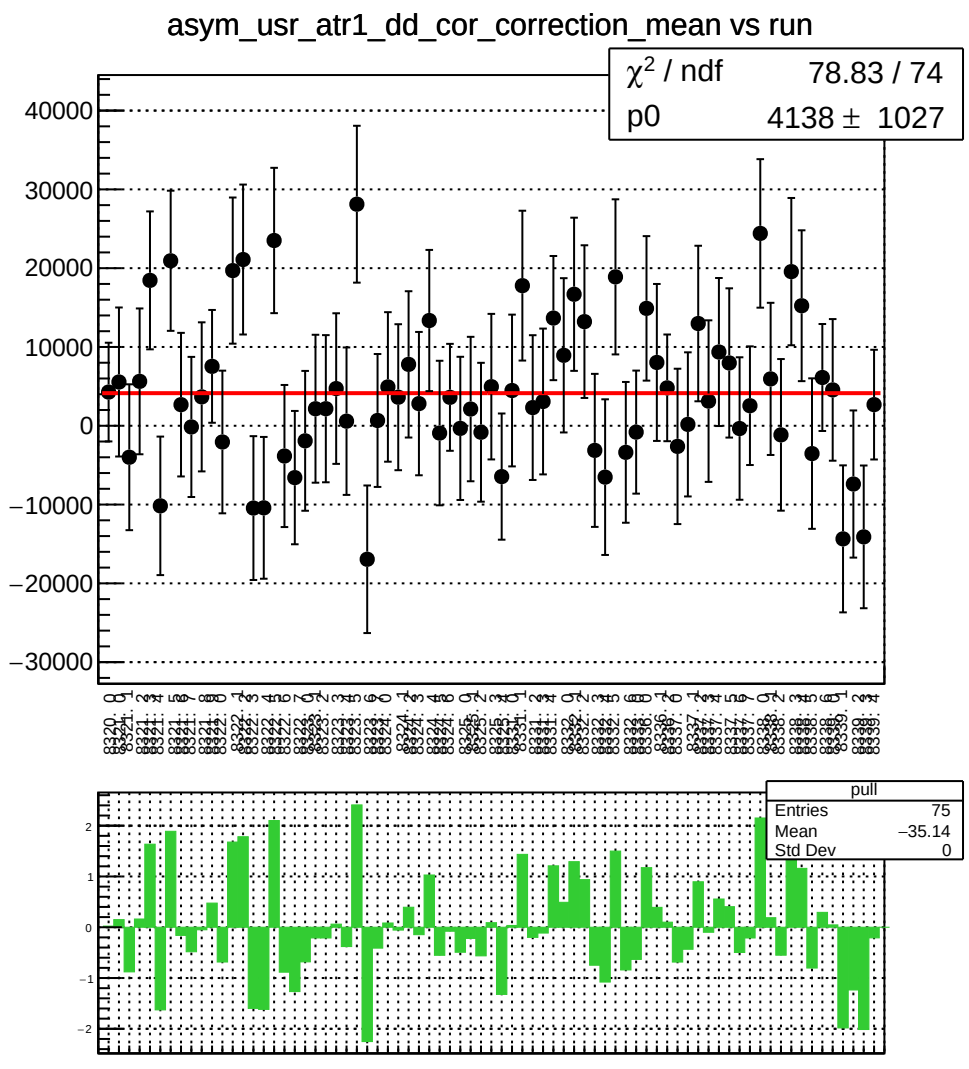

pull1D
Entries 75
Mean 0.009481
Std Dev 1.025

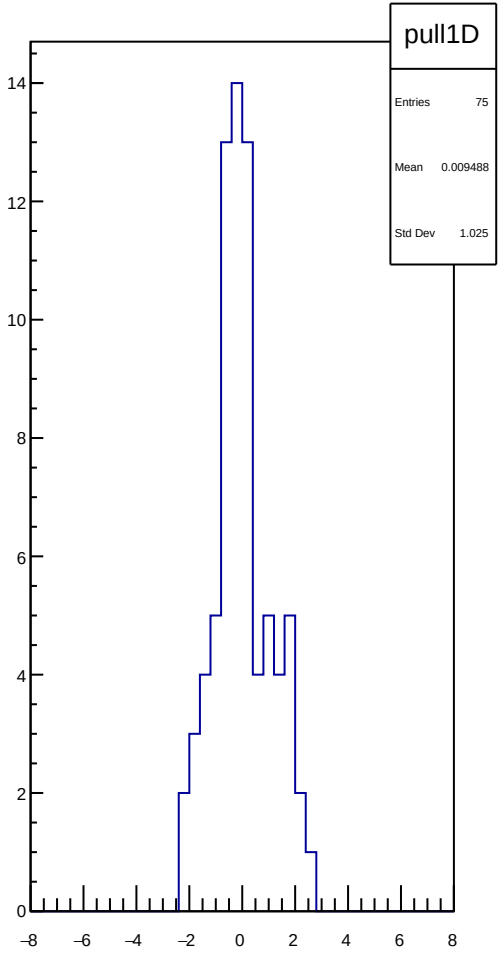

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 2061 / 74
p0 882.5 ± 0.7259
980
960
940
920
900
880
860
840
820
800

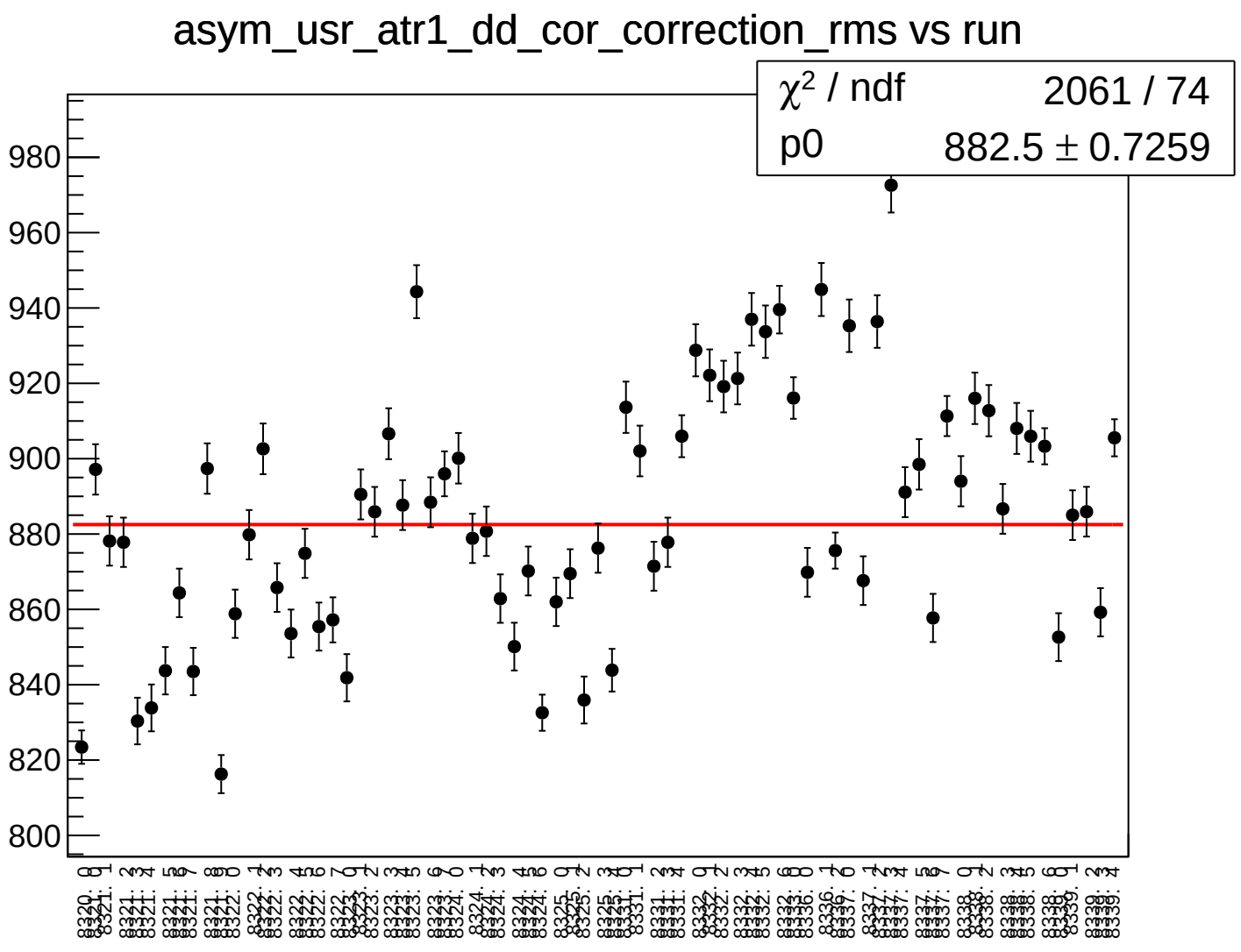

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.43 / 74
p0 −355 ± 1527
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −1618
Std Dev 0
3
2
1
0
−1
−2
−3

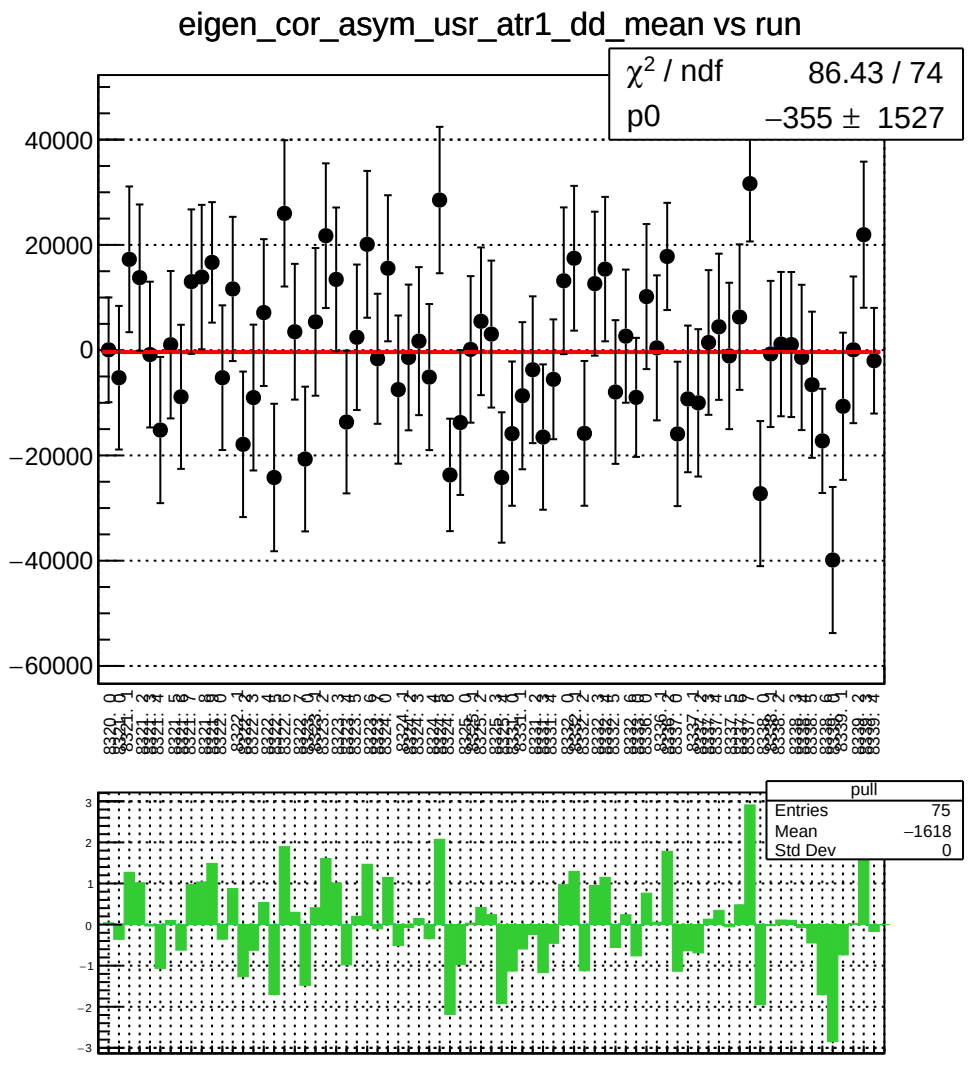

pull1D
Entries 75
Mean 0.00182
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

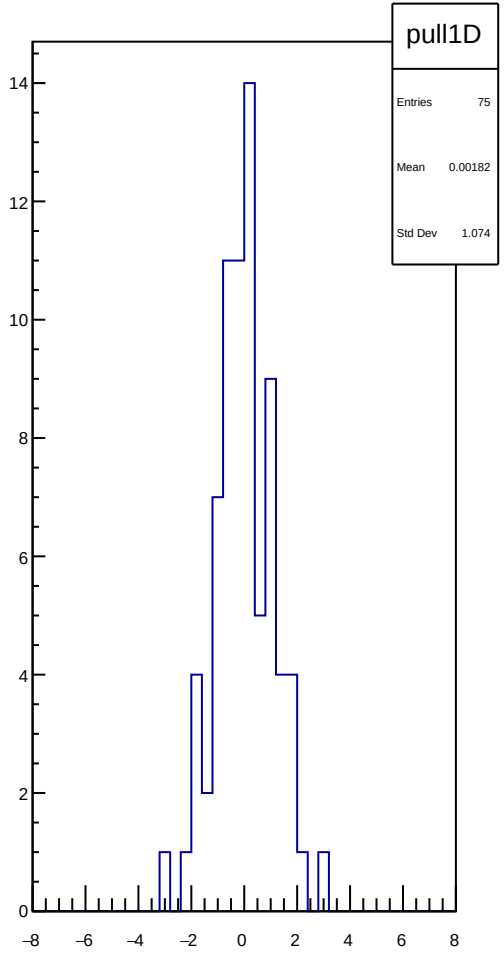

cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 94.4 / 74
p0 1313 ± 1.079
1350
1340
1330
1320
1310
1300
1290
1280

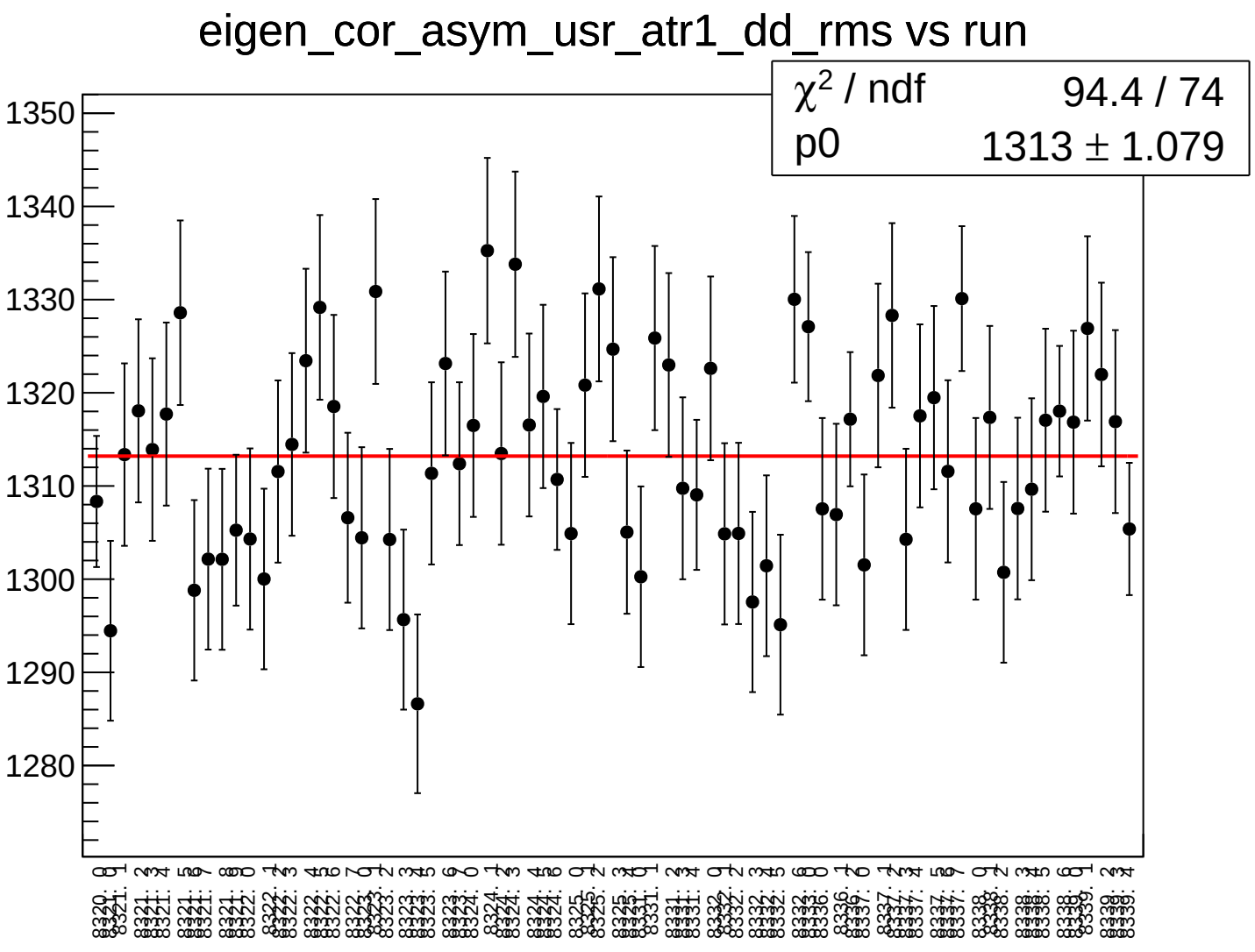

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 78.83 / 74
p0 4138 ± 1027
pull
Entries 75
Mean −35.14
Std Dev 0

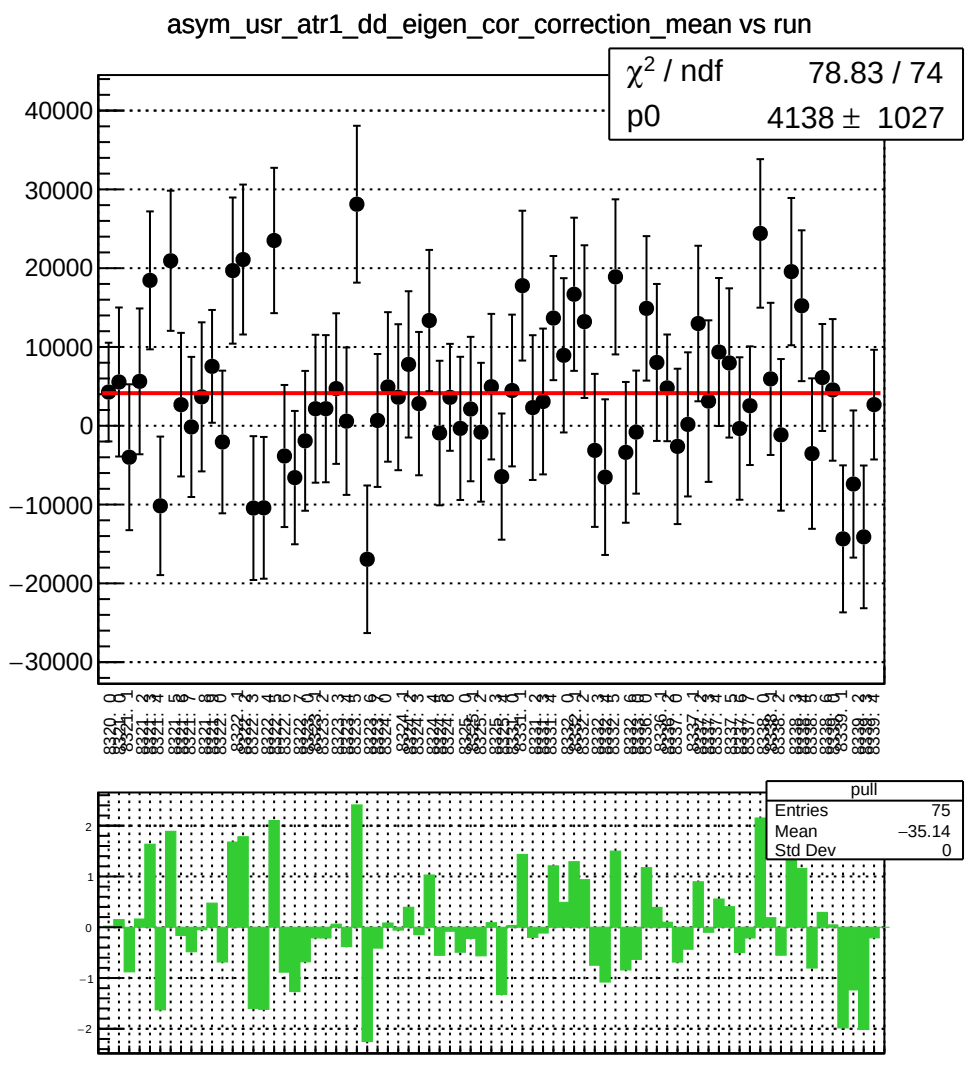

pull1D
Entries 75
Mean 0.009488
Std Dev 1.025

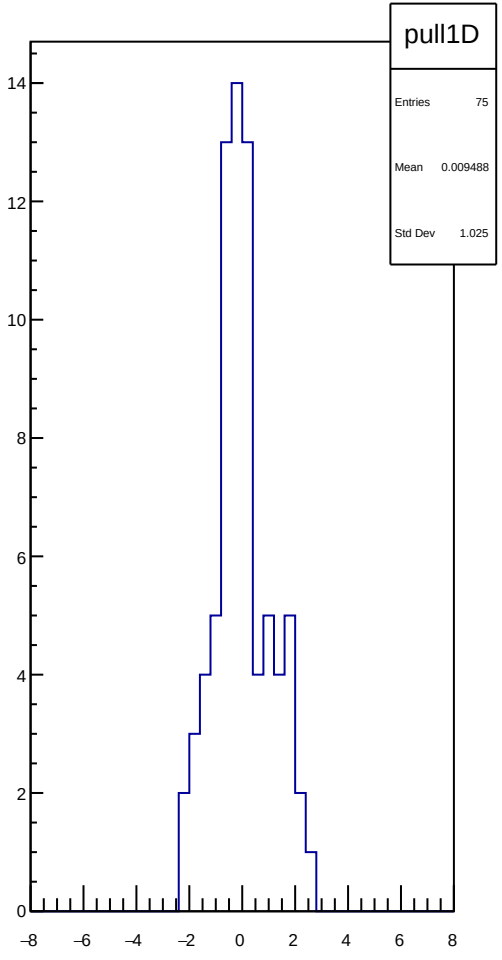

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 2061 / 74
p0 882.5 ± 0.7259
980
960
940
920
900
880
860
840
820
800

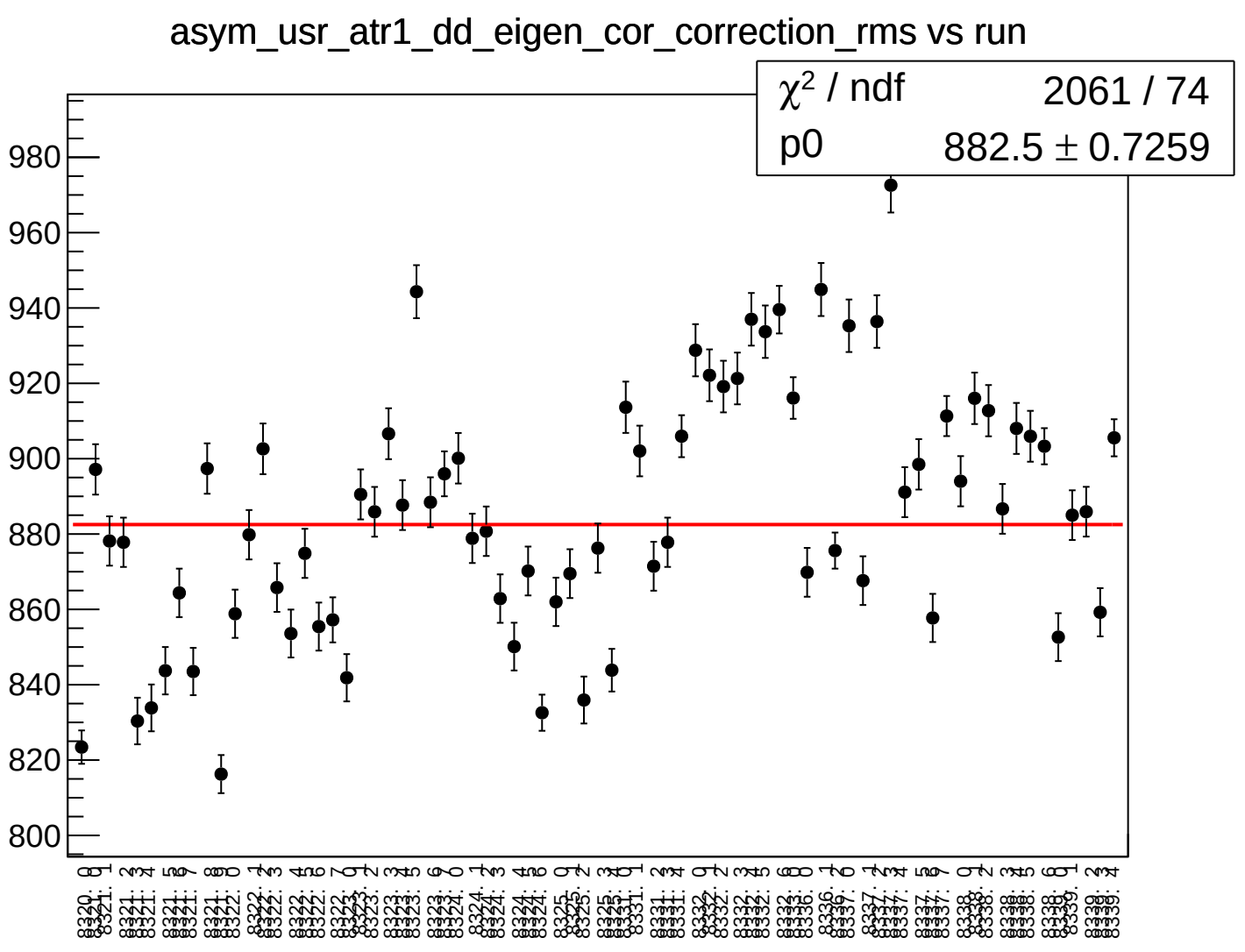

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.43 / 74
p0 −355 ± 1527
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −1618
Std Dev 0
3
2
1
0
−1
−2
−3

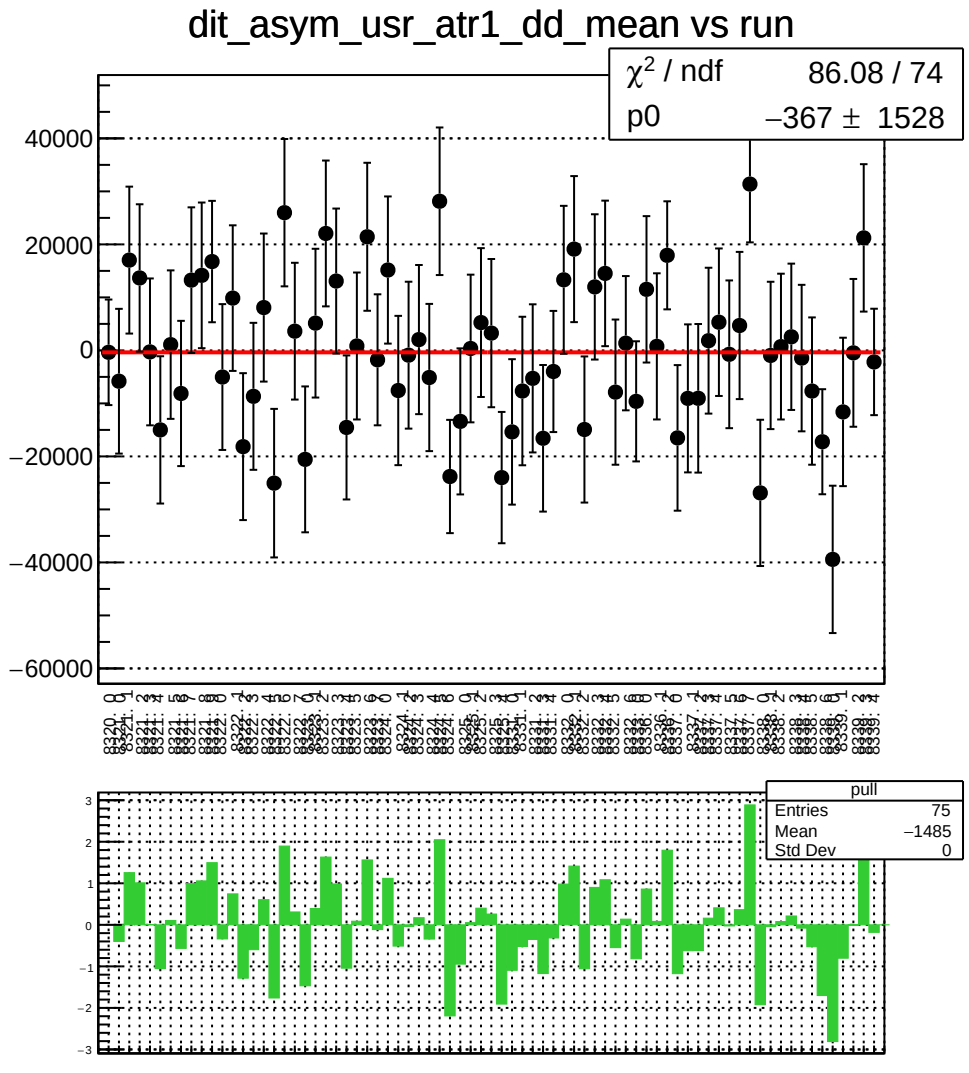

pull1D
Entries 75
Mean 0.00182
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

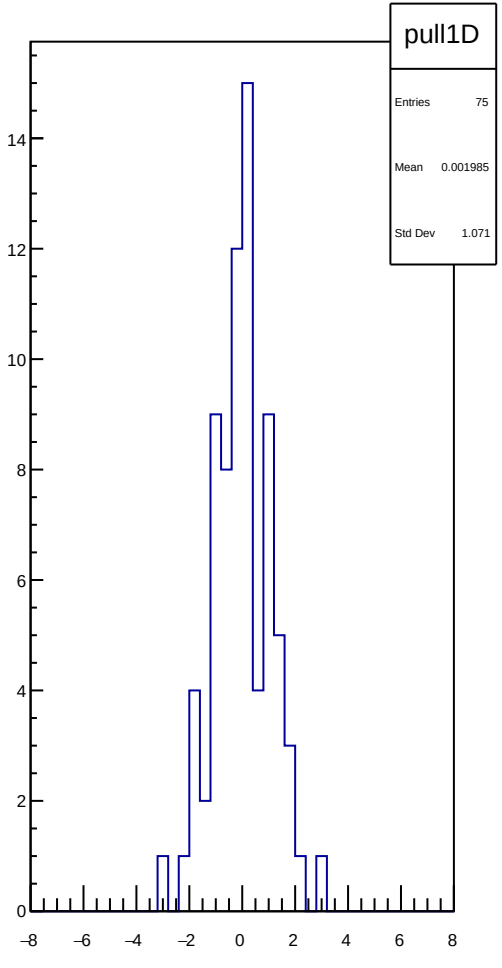

eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 94.4 / 74
p0 1313 ± 1.079
1350
1340
1330
1320
1310
1300
1290
1280

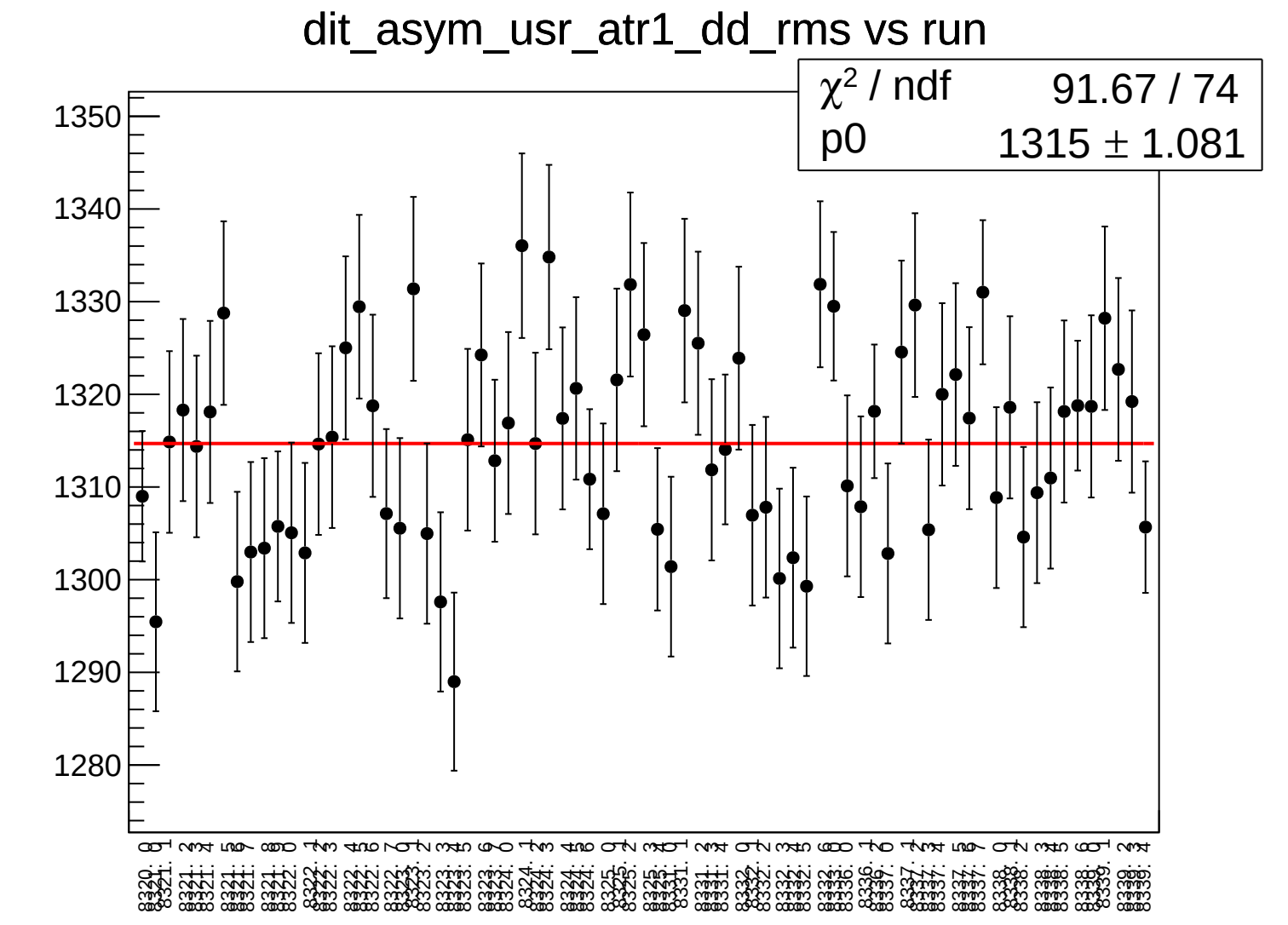

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.83 / 74
p0 4138 ± 1027
pull
Entries 75
Mean −35.14
Std Dev 0

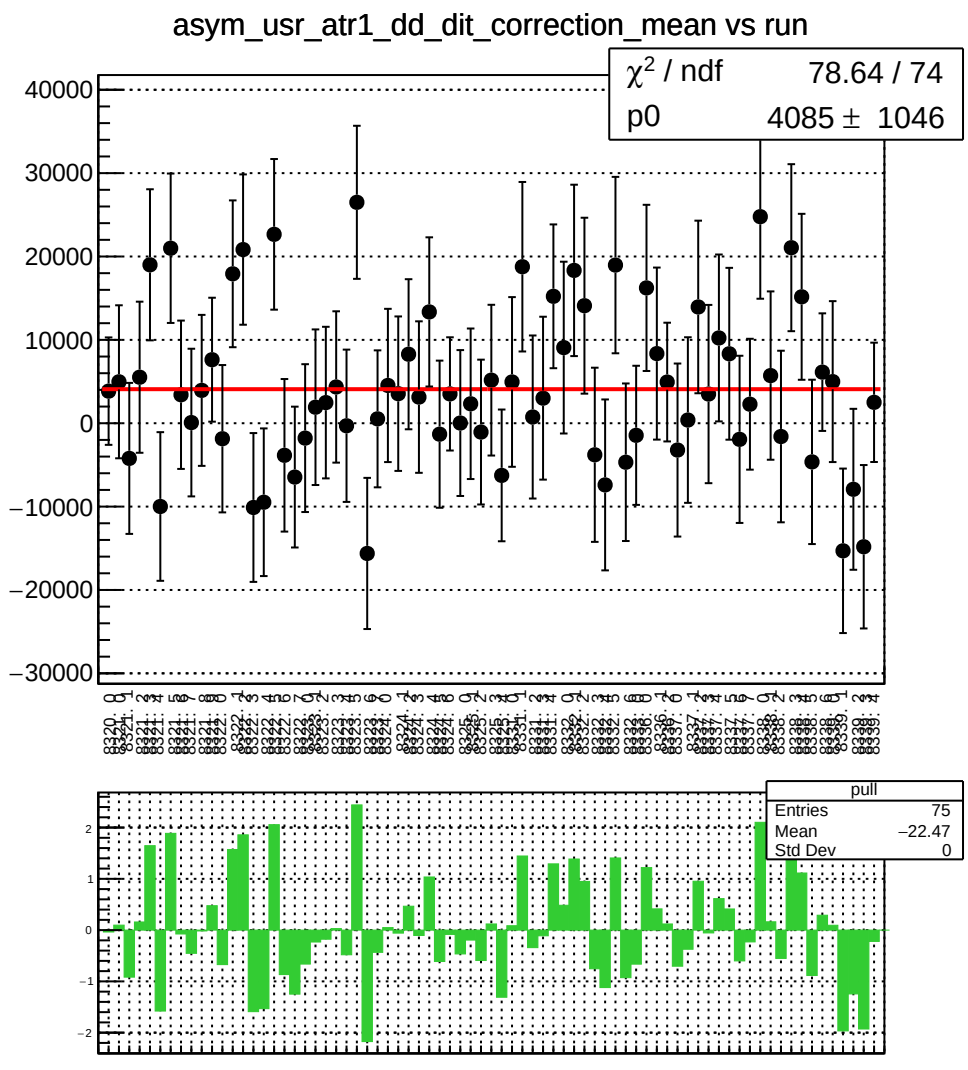

pull1D
Entries 75
Mean 0.009488
Std Dev 1.025

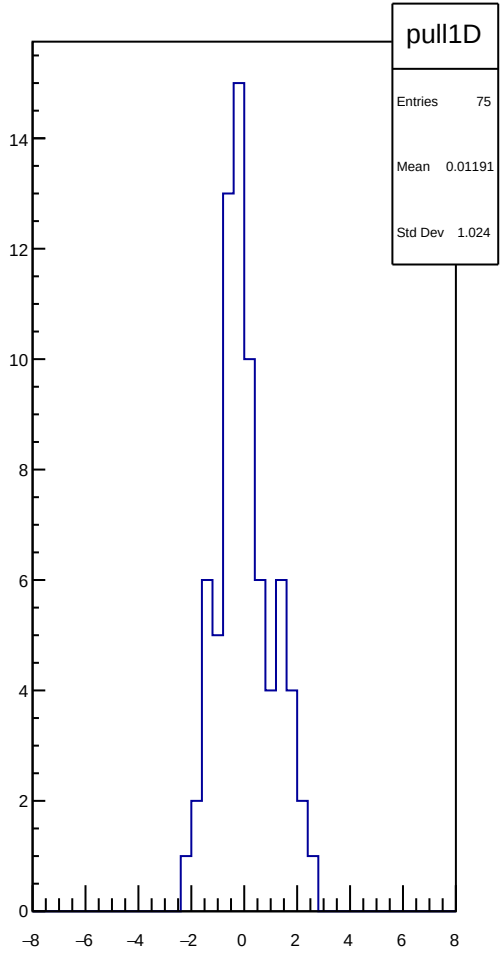

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 2061 / 74
p0 882.5 ± 0.7259
980
960
940
920
900
880
860
840
820
800

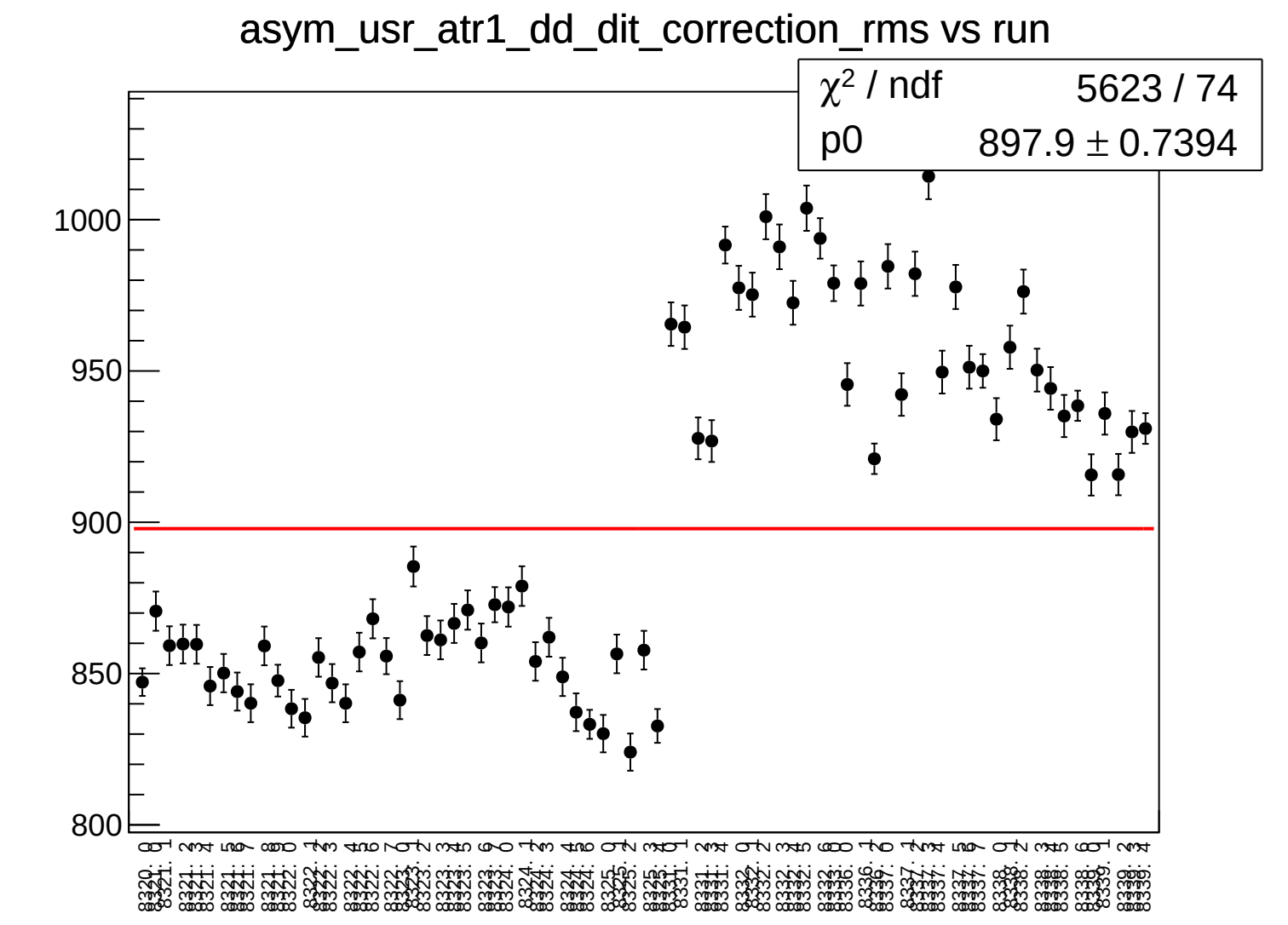

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.08 / 74
p0 −367 ± 1528
pull
Entries 75
Mean −1485
Std Dev 0

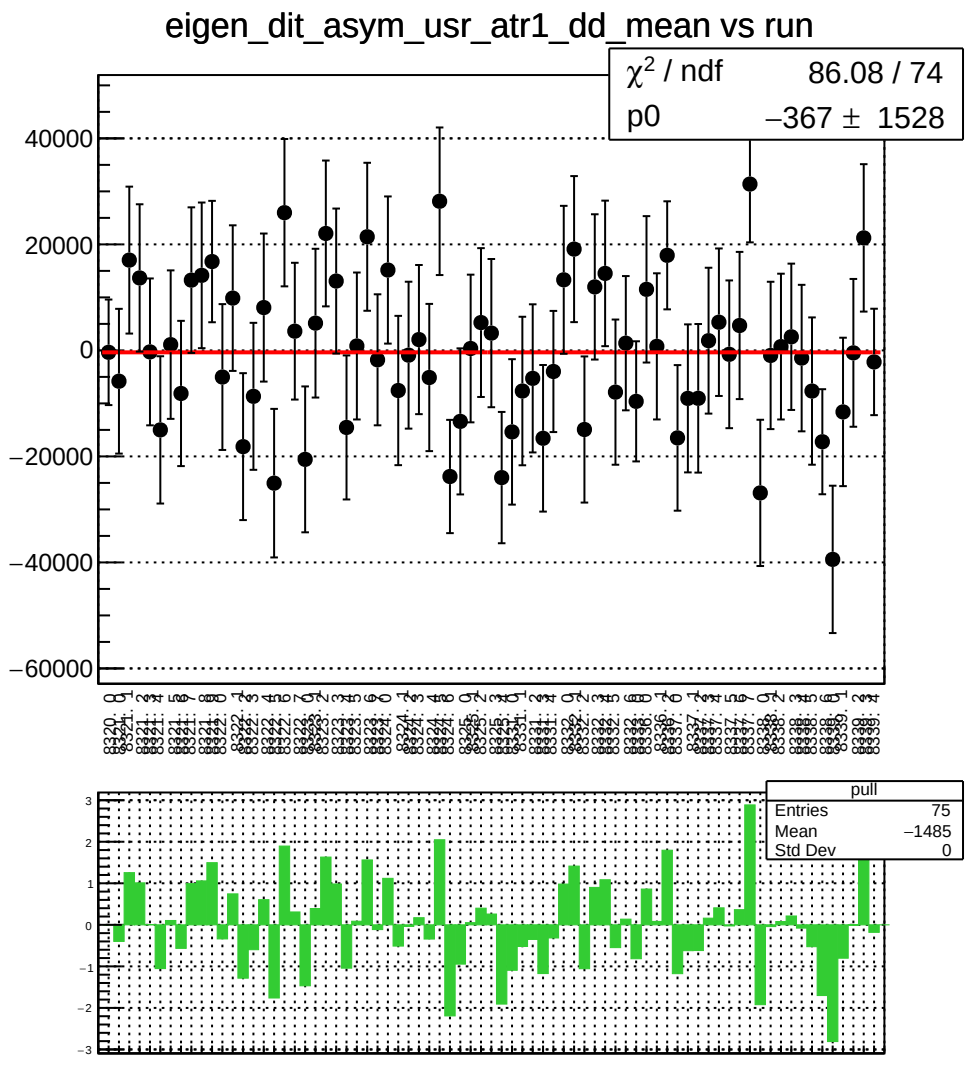

pull1D
Entries 75
Mean 0.001985
Std Dev 1.071

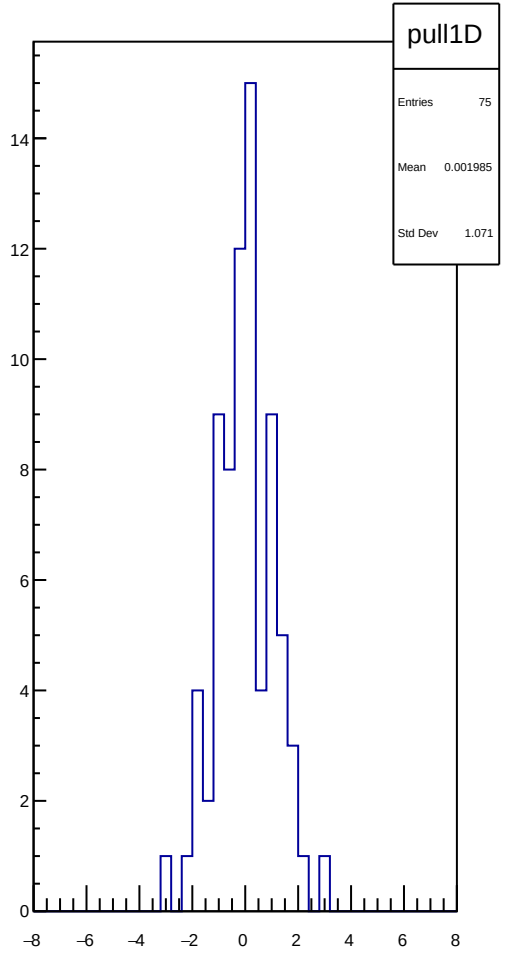

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 91.67 / 74
p0 1315 ± 1.081
1350
1340
1330
1320
1310
1300
1290
1280

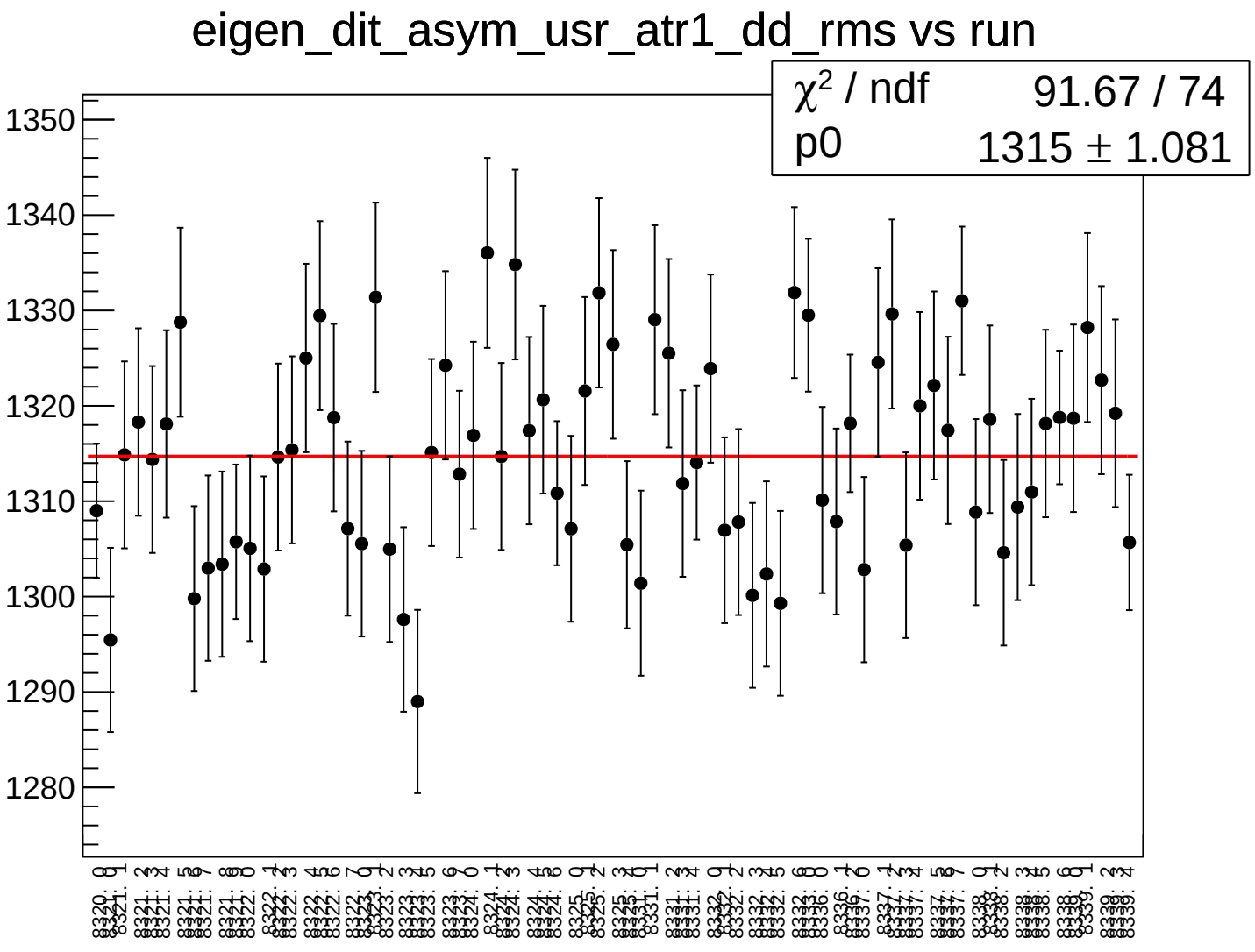

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 78.64 / 74
p0 4085 ± 1046
pull
Entries 75
Mean −22.47
Std Dev 0

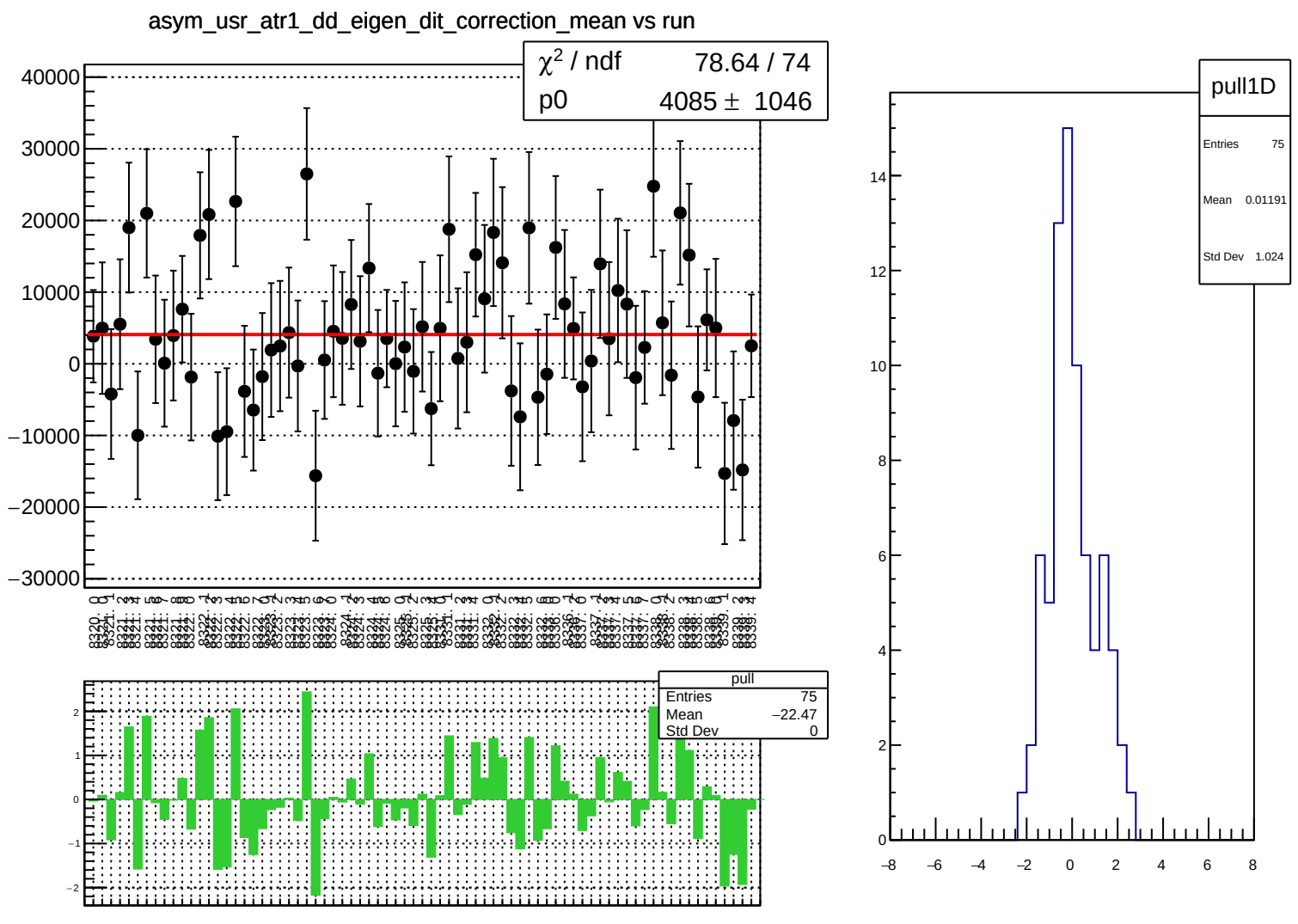

pull1D
Entries 75
Mean 0.01191
Std Dev 1.024

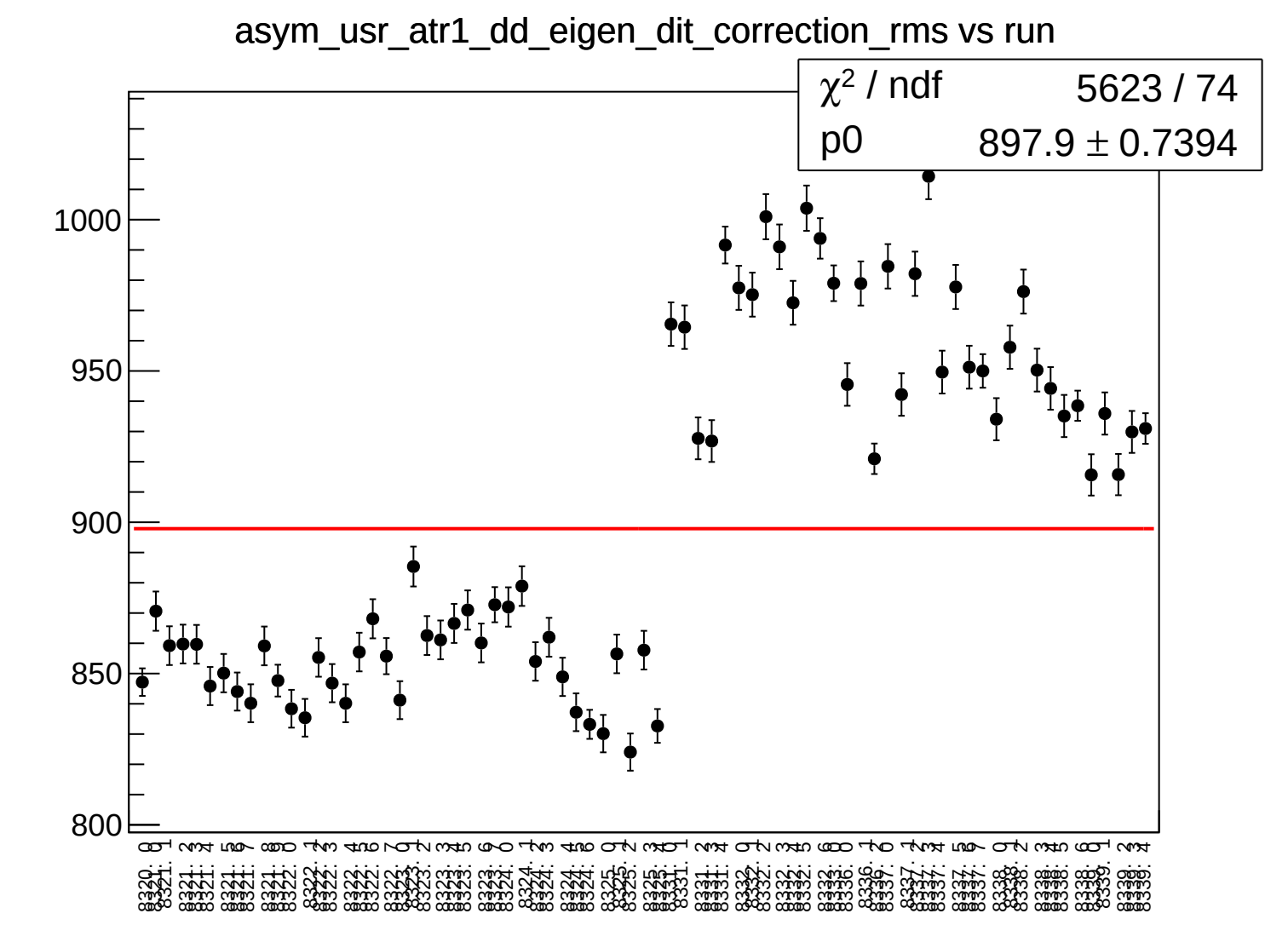

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 5623 / 74
p0 897.9 ± 0.7394
1000
950
900
850
800

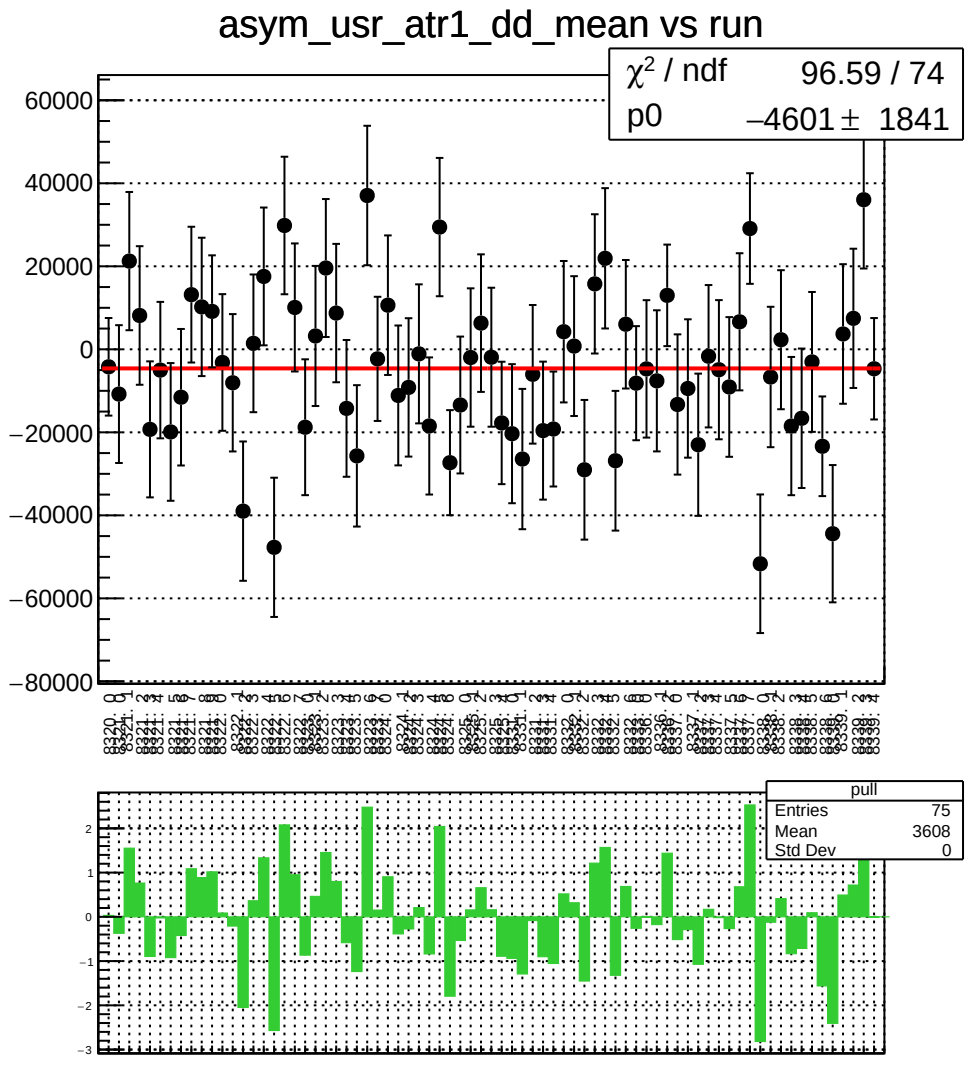

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 86.08 / 74
p0 −367 ± 1528
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −1485
Std Dev 0
3
2
1
0
−1
−2
−3

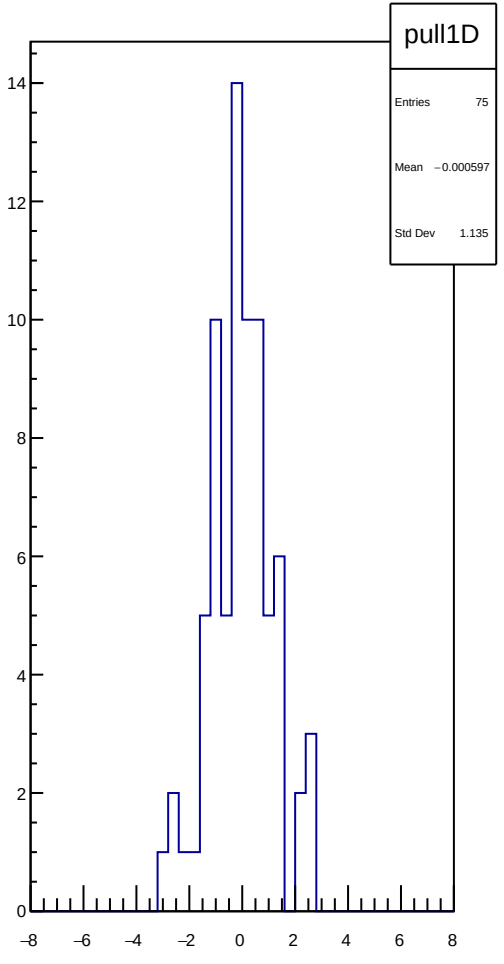

pull1D
Entries 75
Mean 0.001985
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

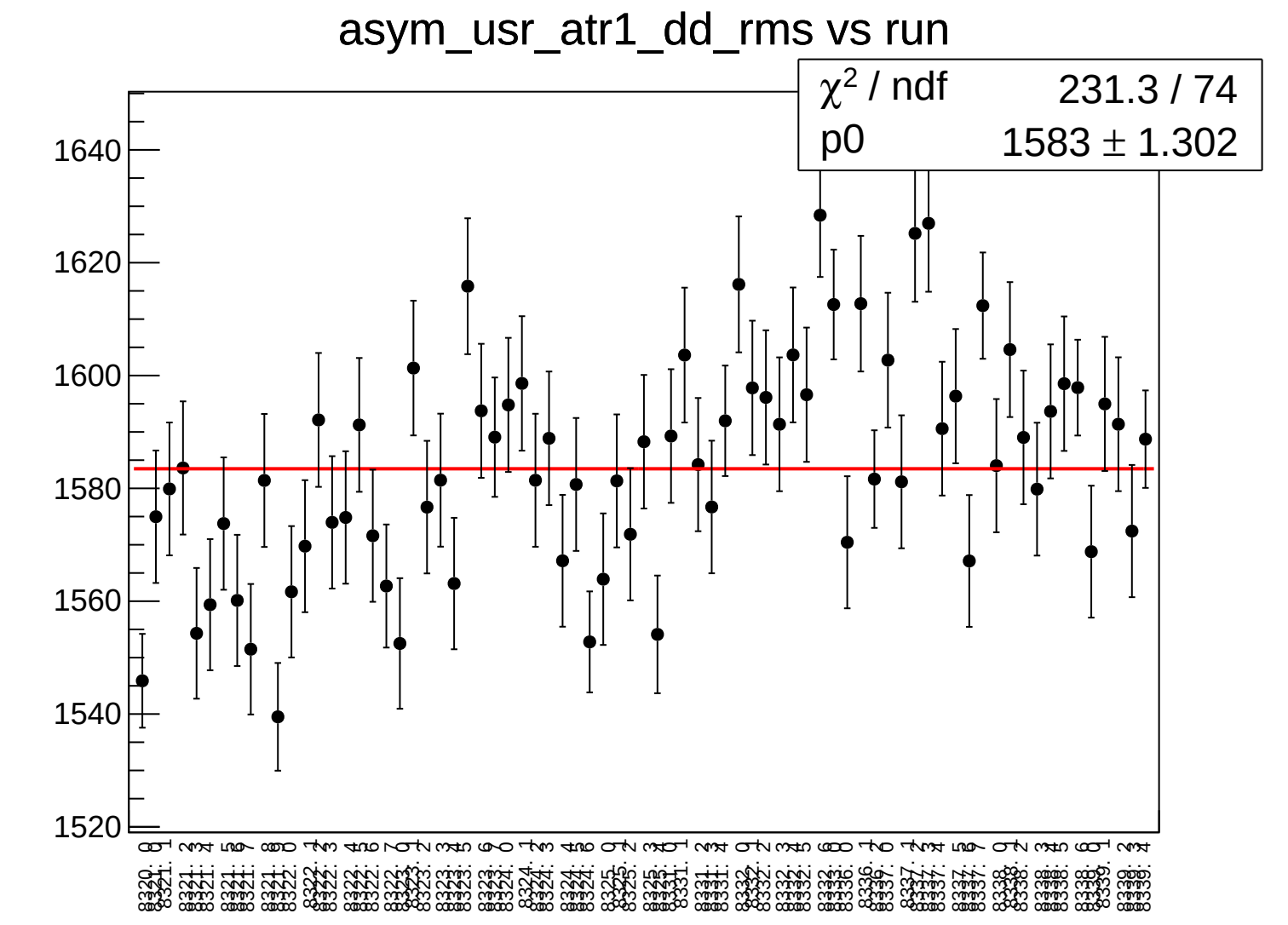

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 91.67 / 74
p0 1315 ± 1.081
1350
1340
1330
1320
1310
1300
1290
1280

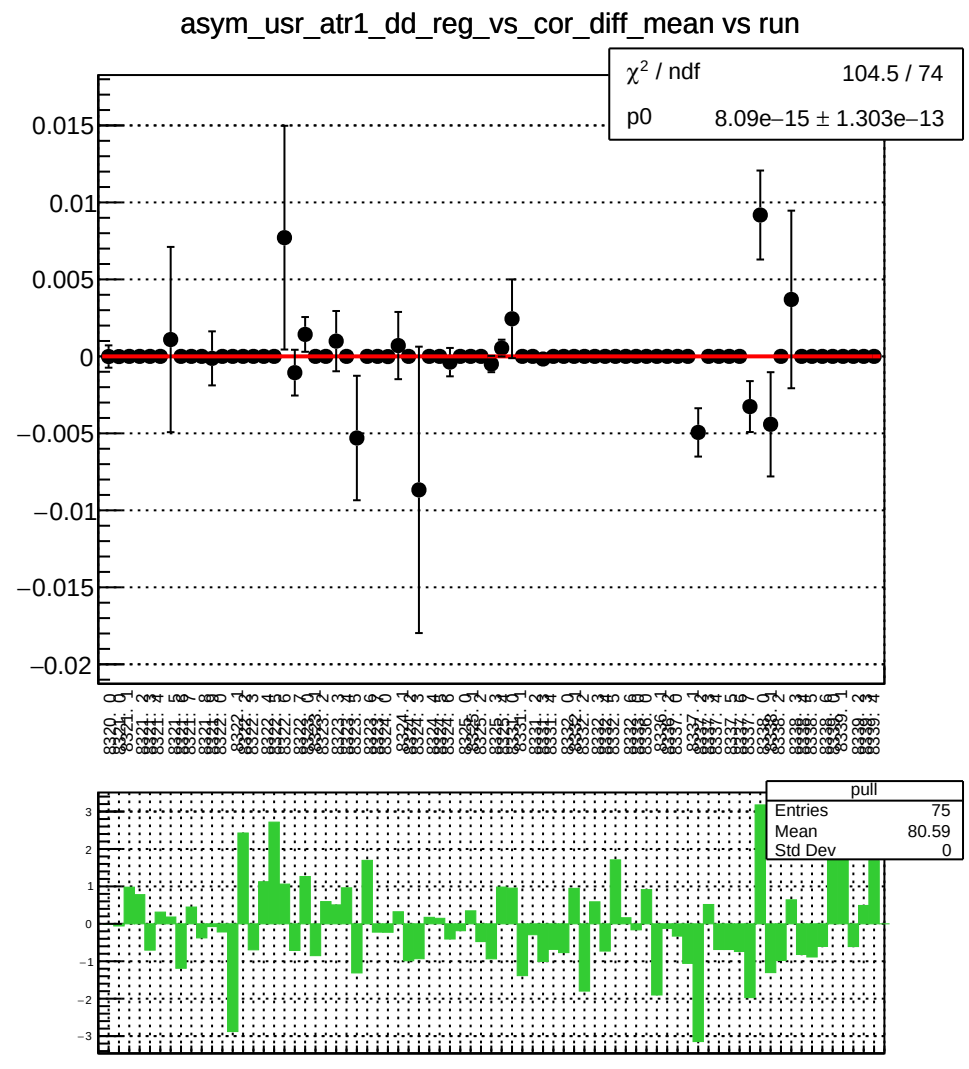

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.64 / 74
p0 4085 ± 1046
pull
Entries 75
Mean −22.47
Std Dev 0
pull1D
Entries 75
Mean 0.01191
Std Dev 1.024

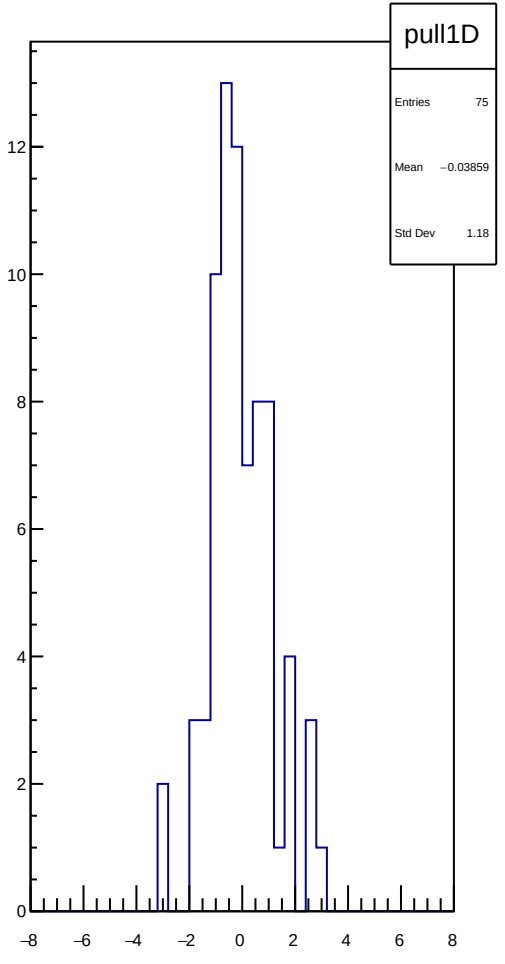

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 5623 / 74
p0 897.9 ± 0.7394
1000
950
900
850
800

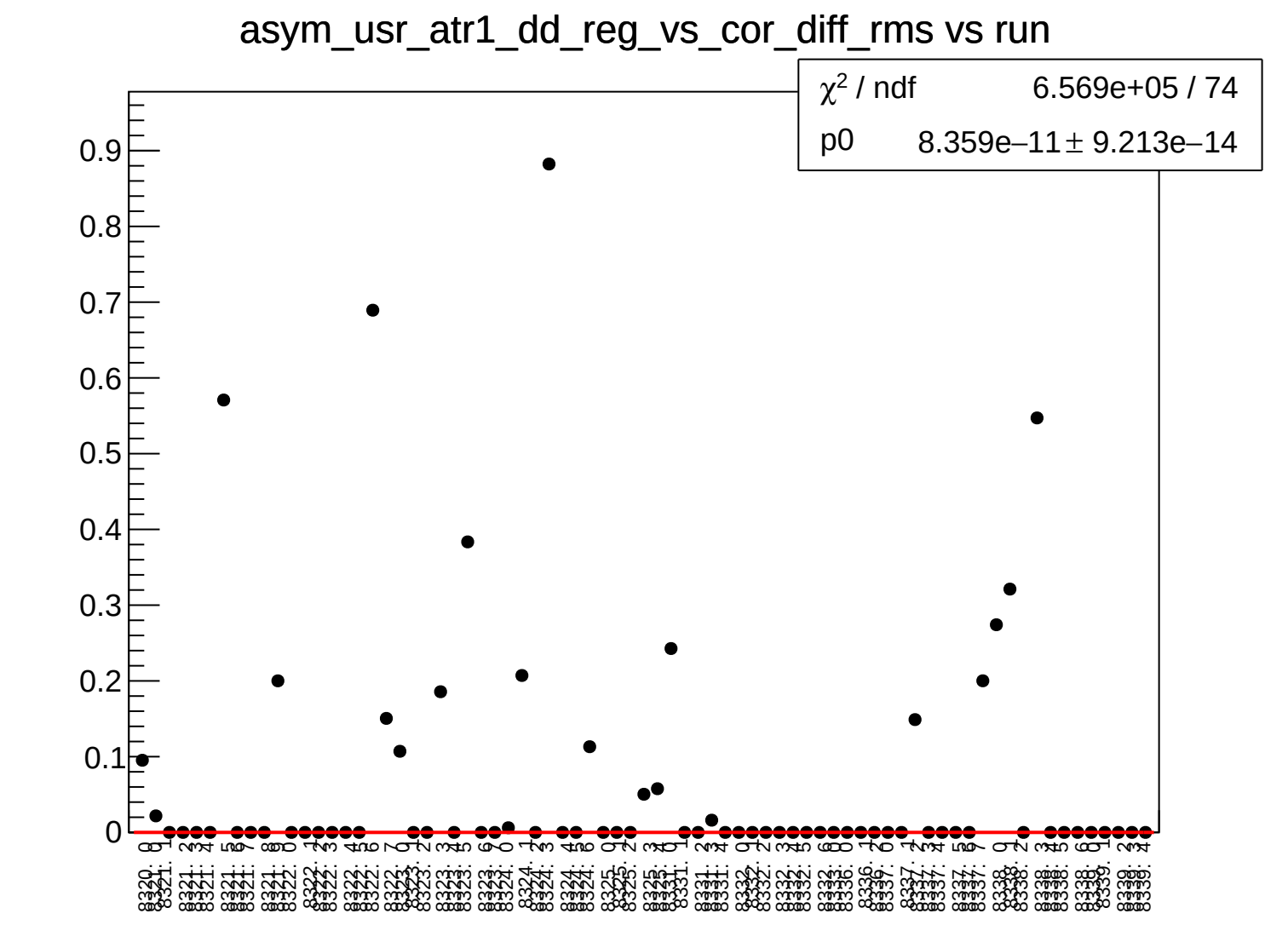

asym_usr_atr1_dd_mean vs run
χ² / ndf 96.59 / 74
p0 −4601 ± 1841
pull
Entries 75
Mean 3608
Std Dev 0

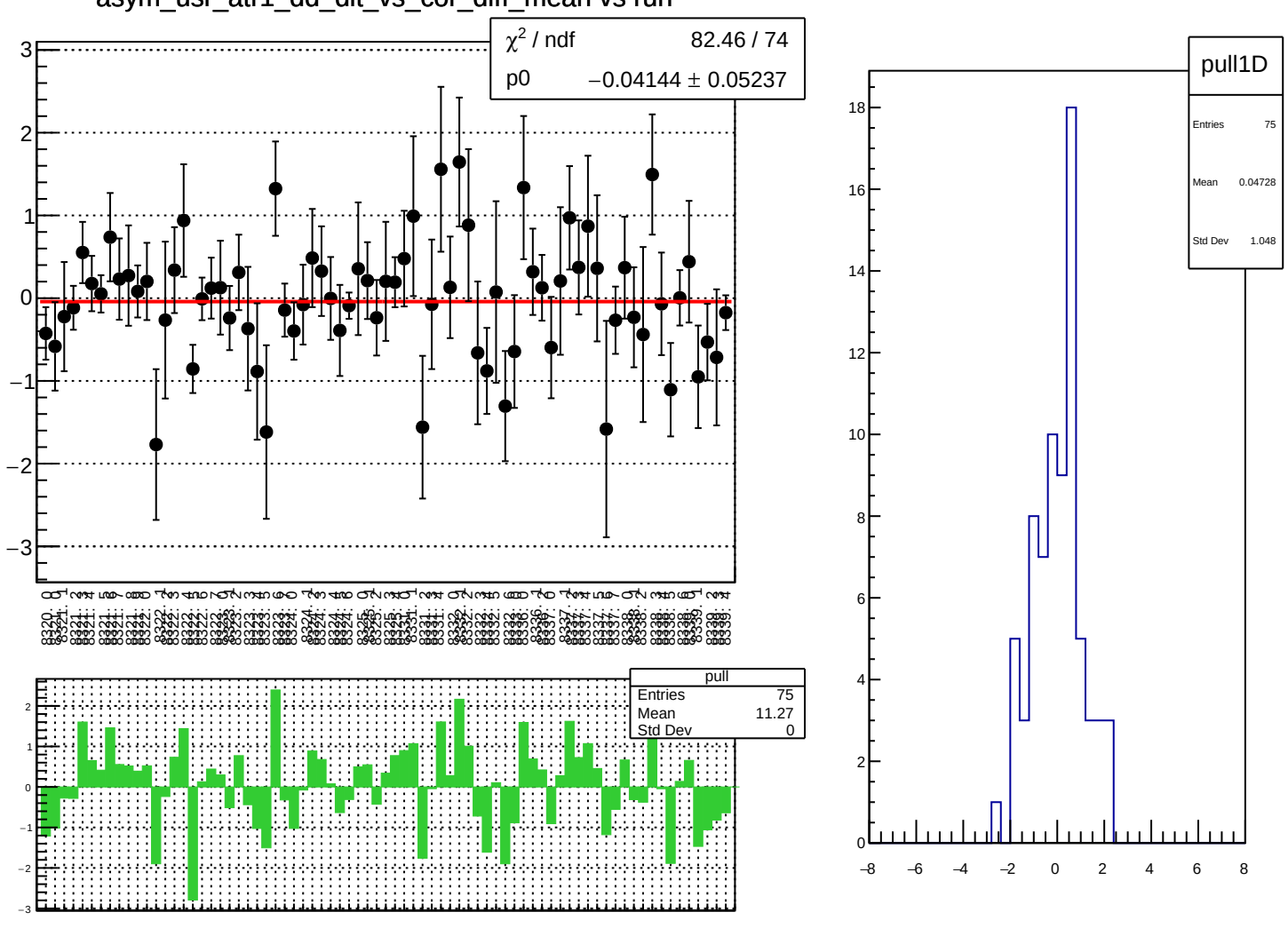

pull1D
Entries 75
Mean −0.000597
Std Dev 1.135

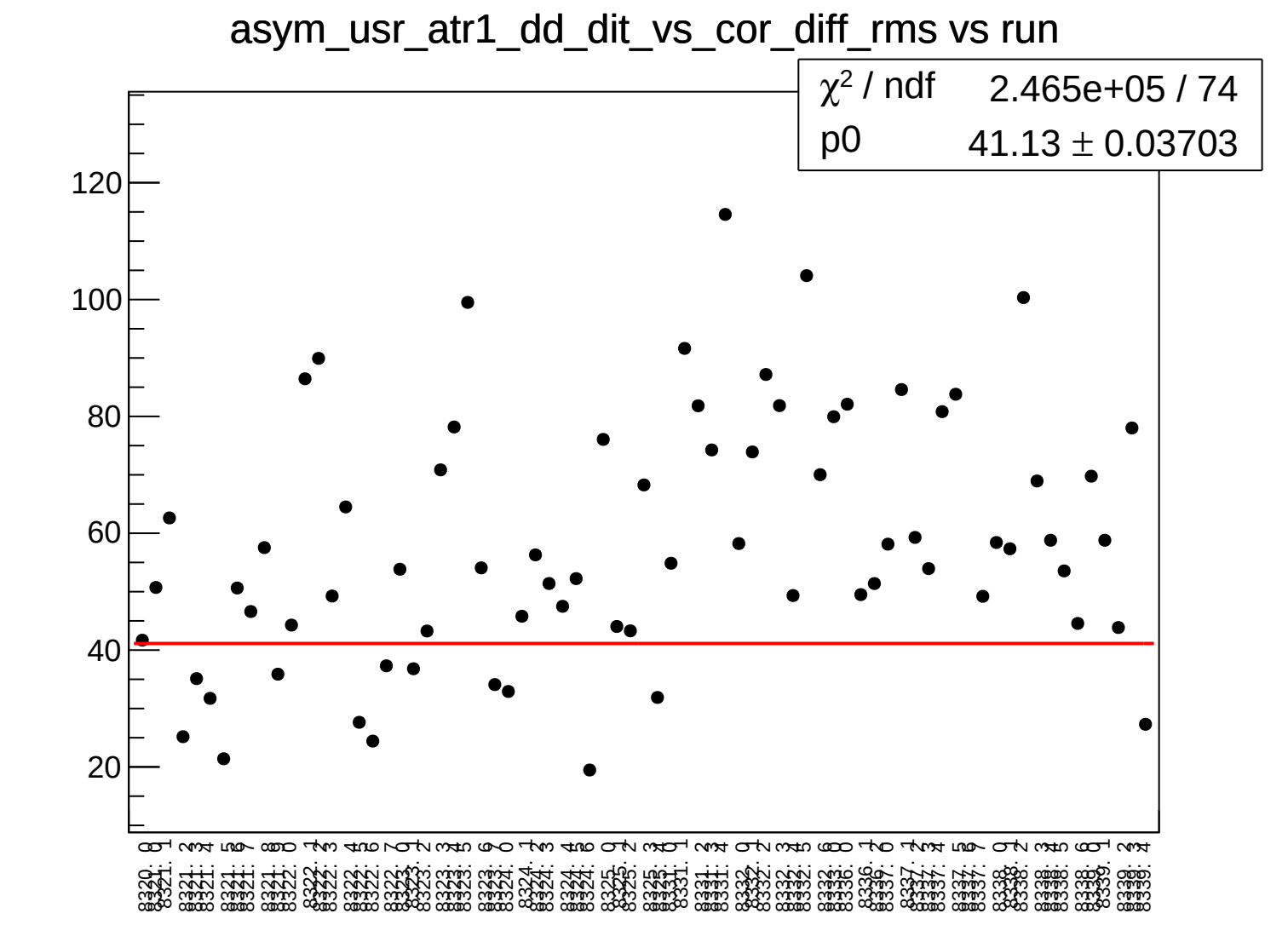

asym_usr_atr1_dd_rms vs run
χ² / ndf 231.3 / 74
p0 1583 ± 1.302
1640
1620
1600
1580
1560
1540
1520

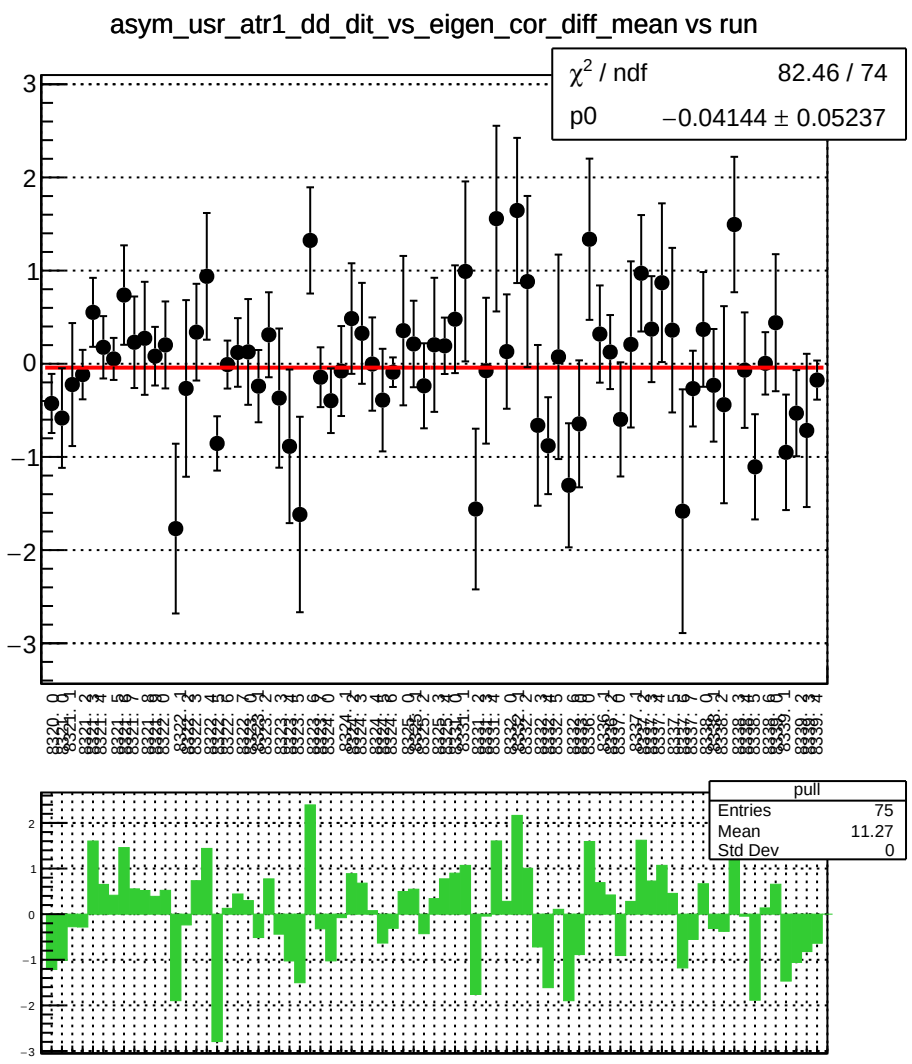

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 104.5 / 74
p0 8.09e−15 ± 1.303e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 75
Mean 80.59
Std Dev 0
3
2
1
0
−1
−2
−3

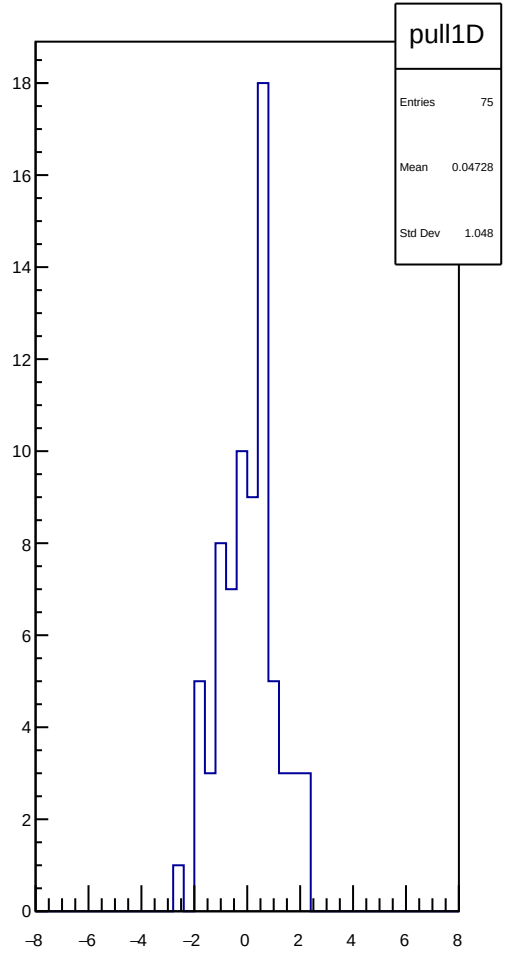

pull1D
Entries 75
Mean −0.03859
Std Dev 1.18
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

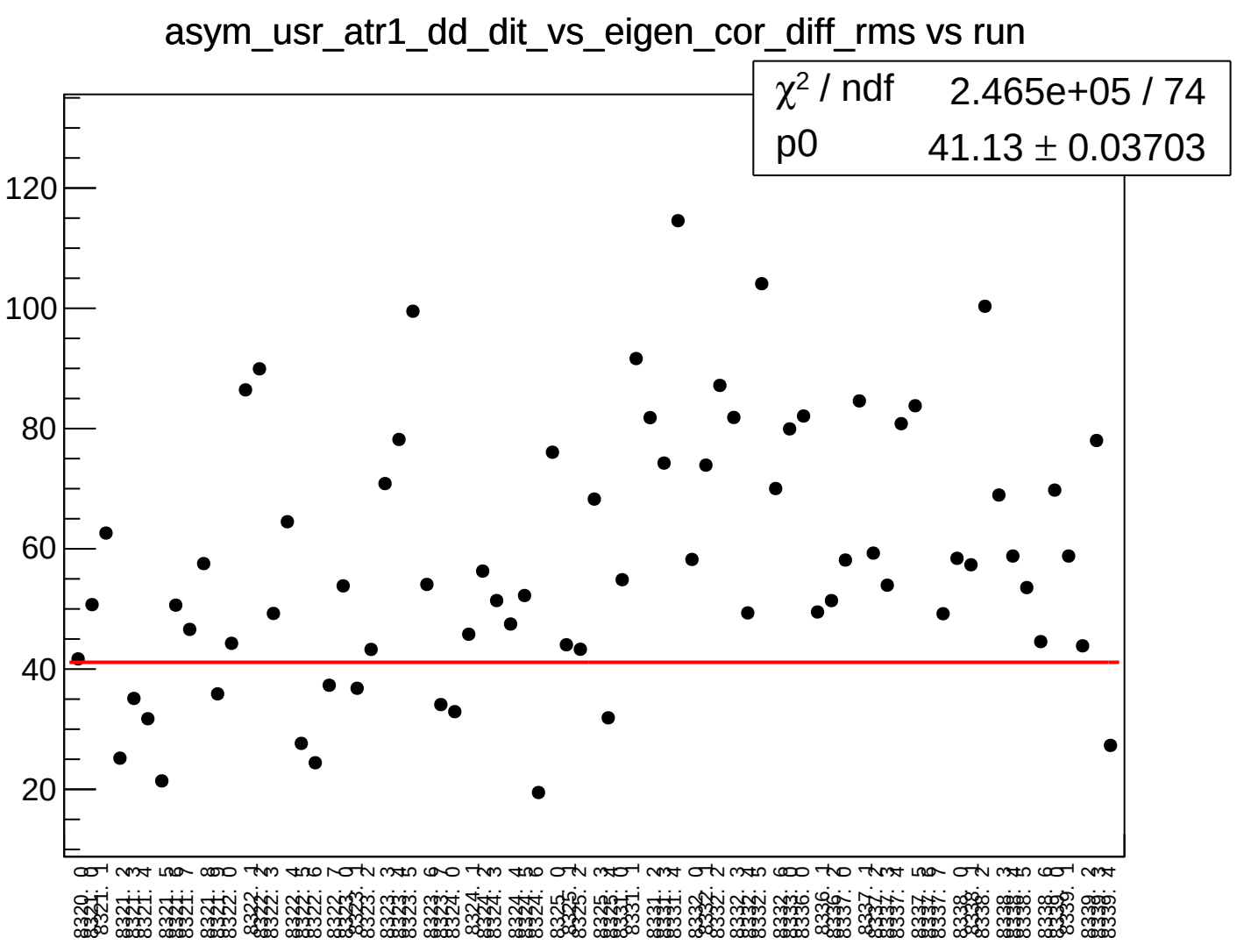

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.569e+05 / 74
p0 8.359e−11 ± 9.213e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

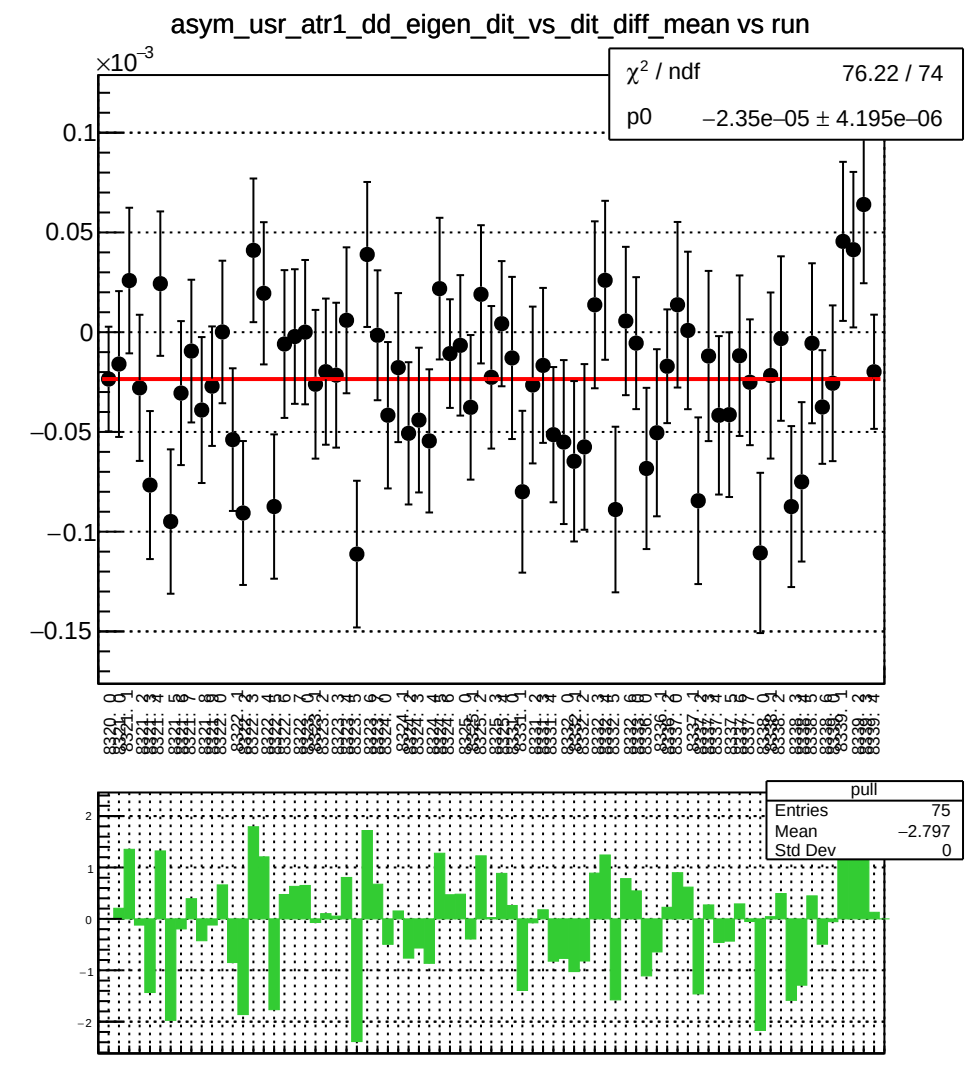

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 82.46 / 74
p0 −0.04144 ± 0.05237
pull
Entries 75
Mean 11.27
Std Dev 0
pull1D
Entries 75
Mean 0.04728
Std Dev 1.048

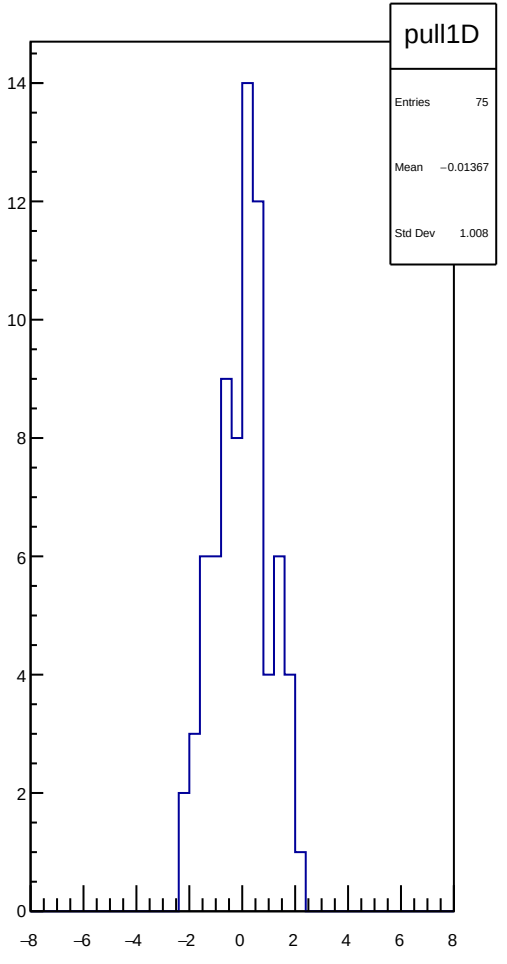

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.465e+05 / 74
p0 41.13 ± 0.03703
120
100
80
60
40
20

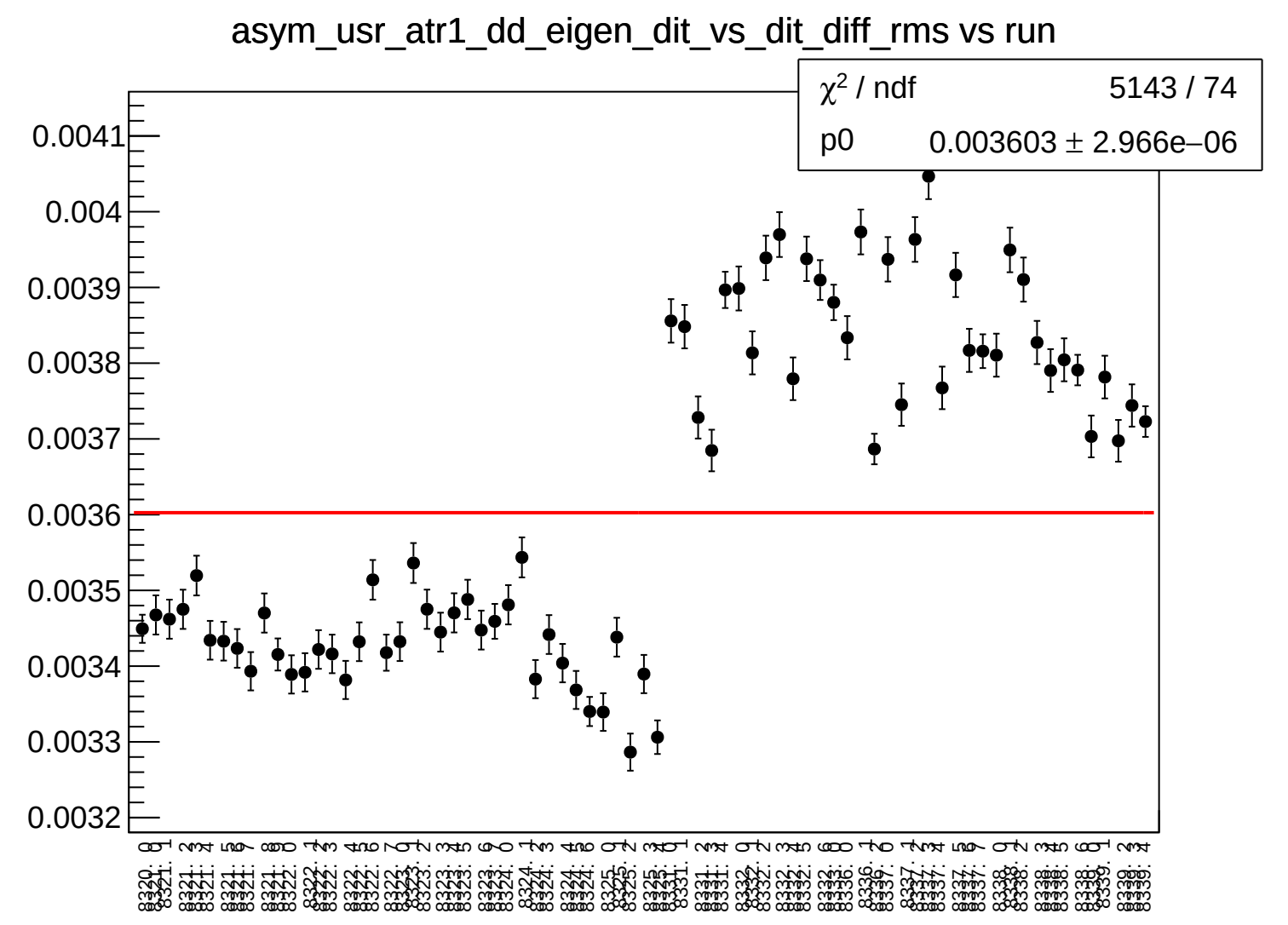

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.46 / 74
p0 −0.04144 ± 0.05237
pull
Entries 75
Mean 11.27
Std Dev 0

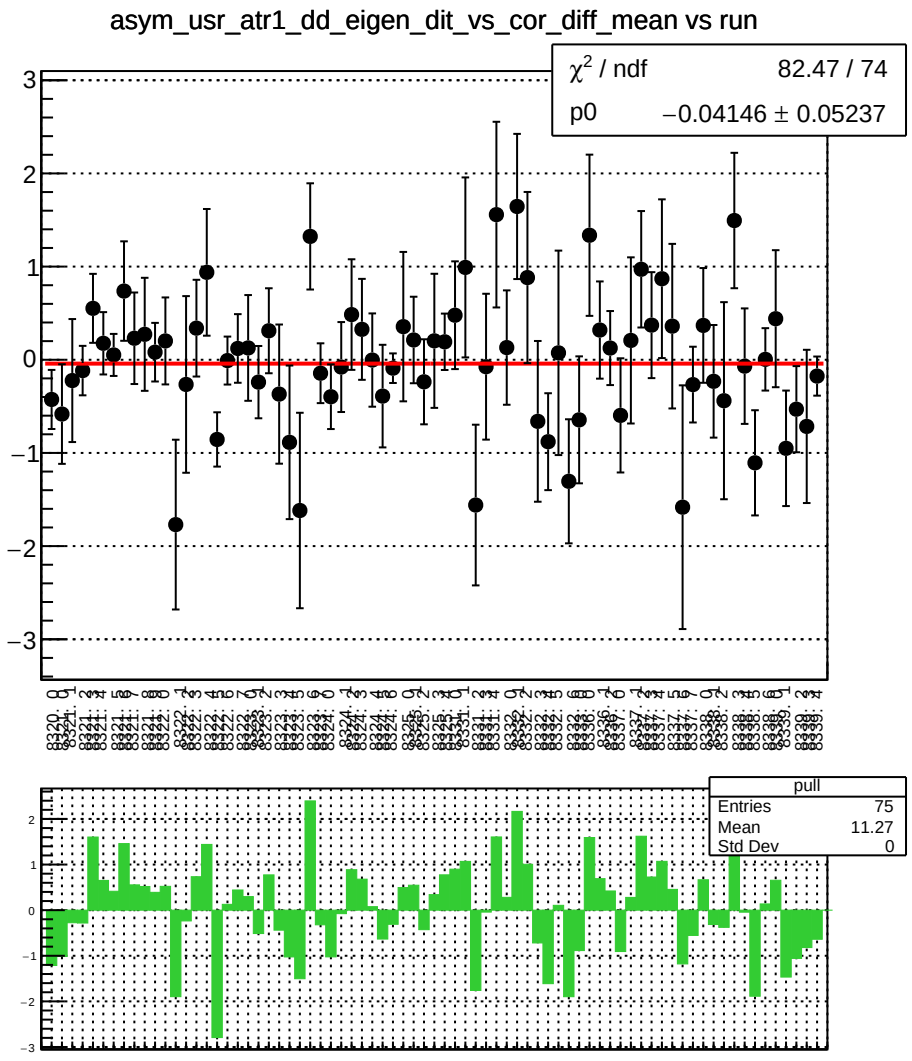

pull1D
Entries 75
Mean 0.04728
Std Dev 1.048

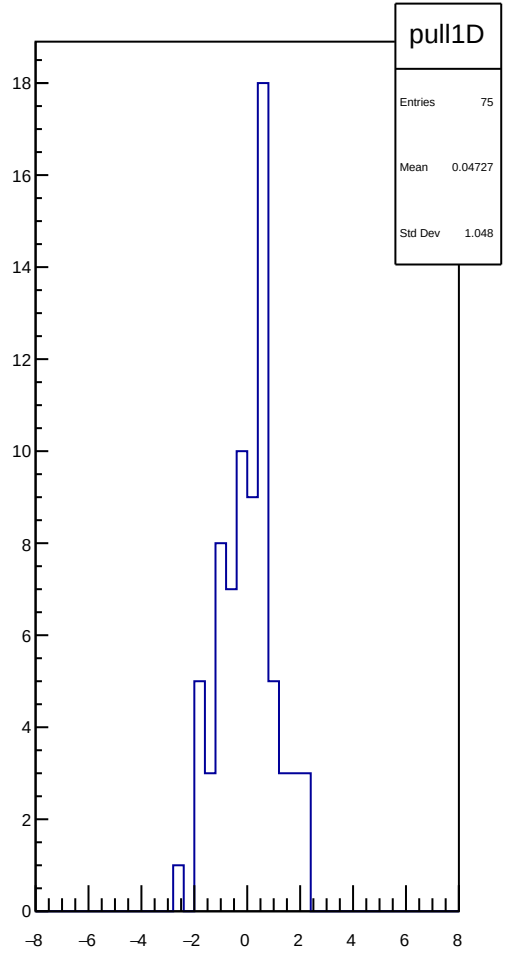

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.465e+05 / 74
p0 41.13 ± 0.03703
120
100
80
60
40
20

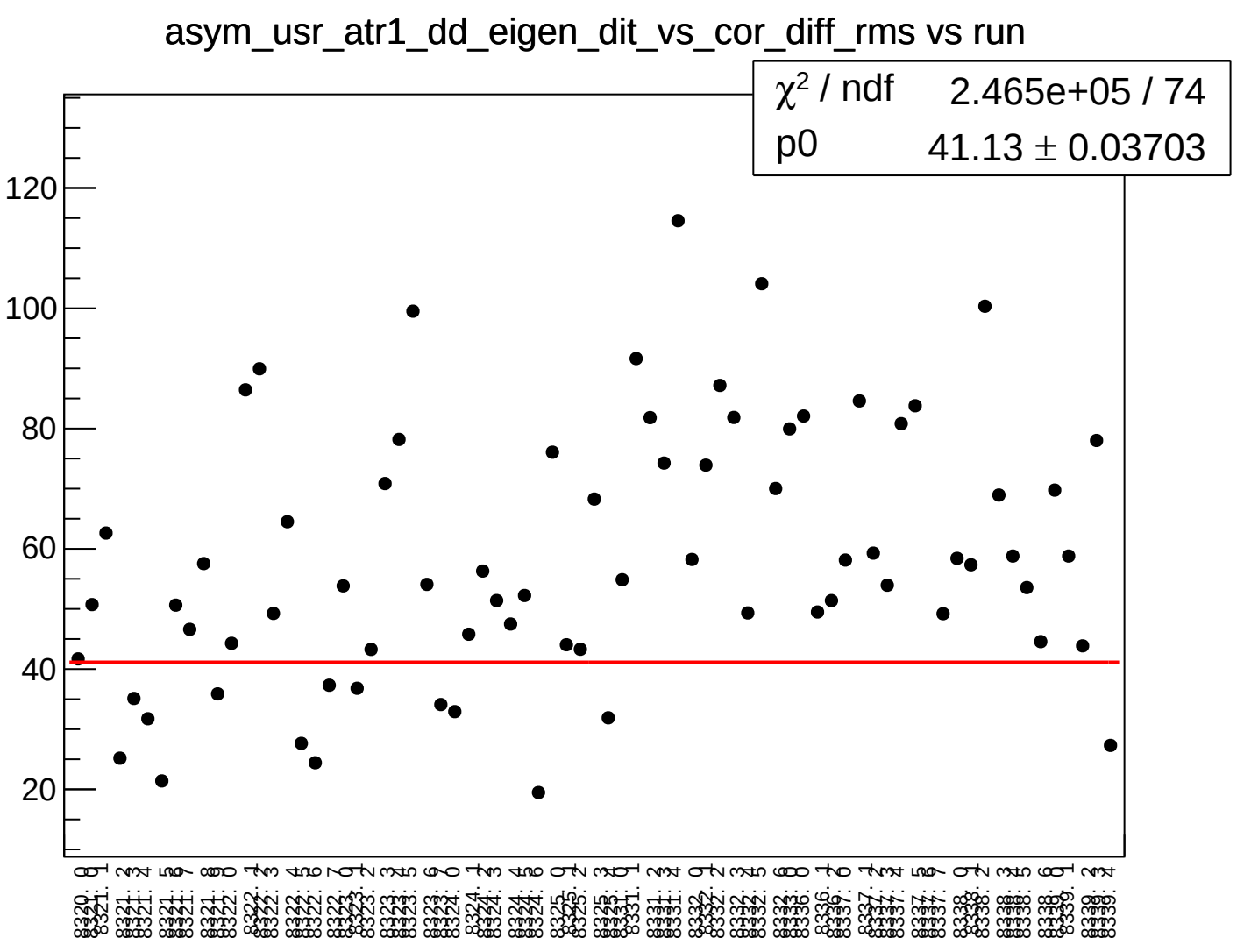

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.22 / 74
p0 −2.35e−05 ± 4.195e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 75
Mean −2.797
Std Dev 0
2
1
0
−1
−2

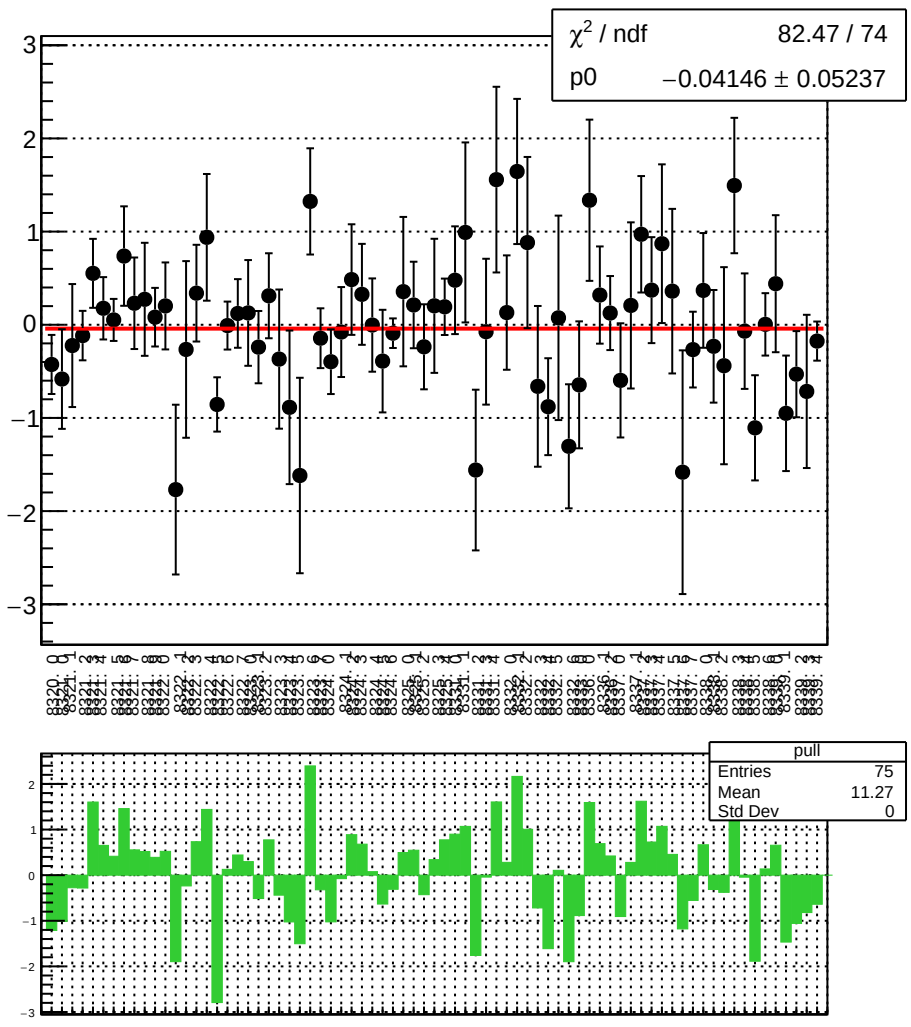

pull1D
Entries 75
Mean −0.01367
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

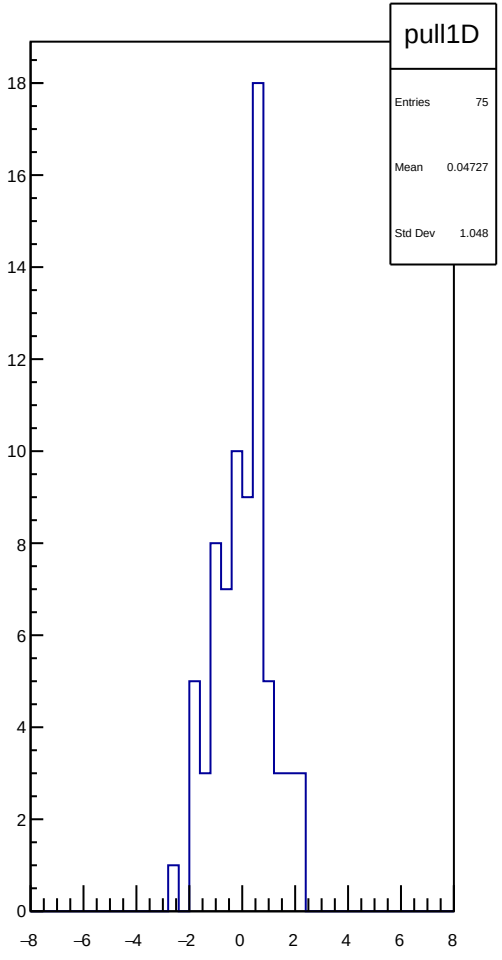

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5143 / 74
p0 0.003603 ± 2.966e−06
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032

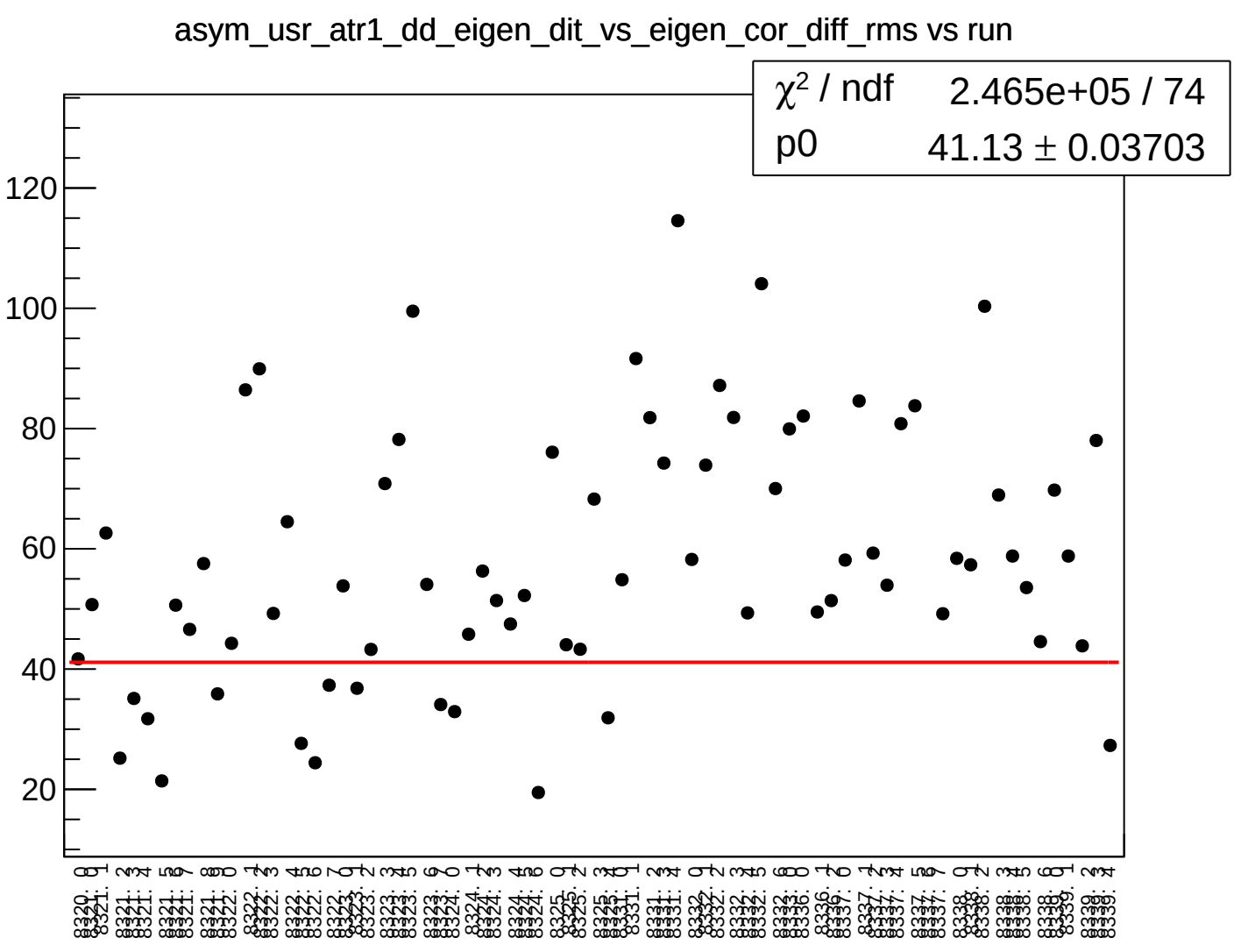

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.47 / 74
p0 −0.04146 ± 0.05237
pull
Entries 75
Mean 11.27
Std Dev 0

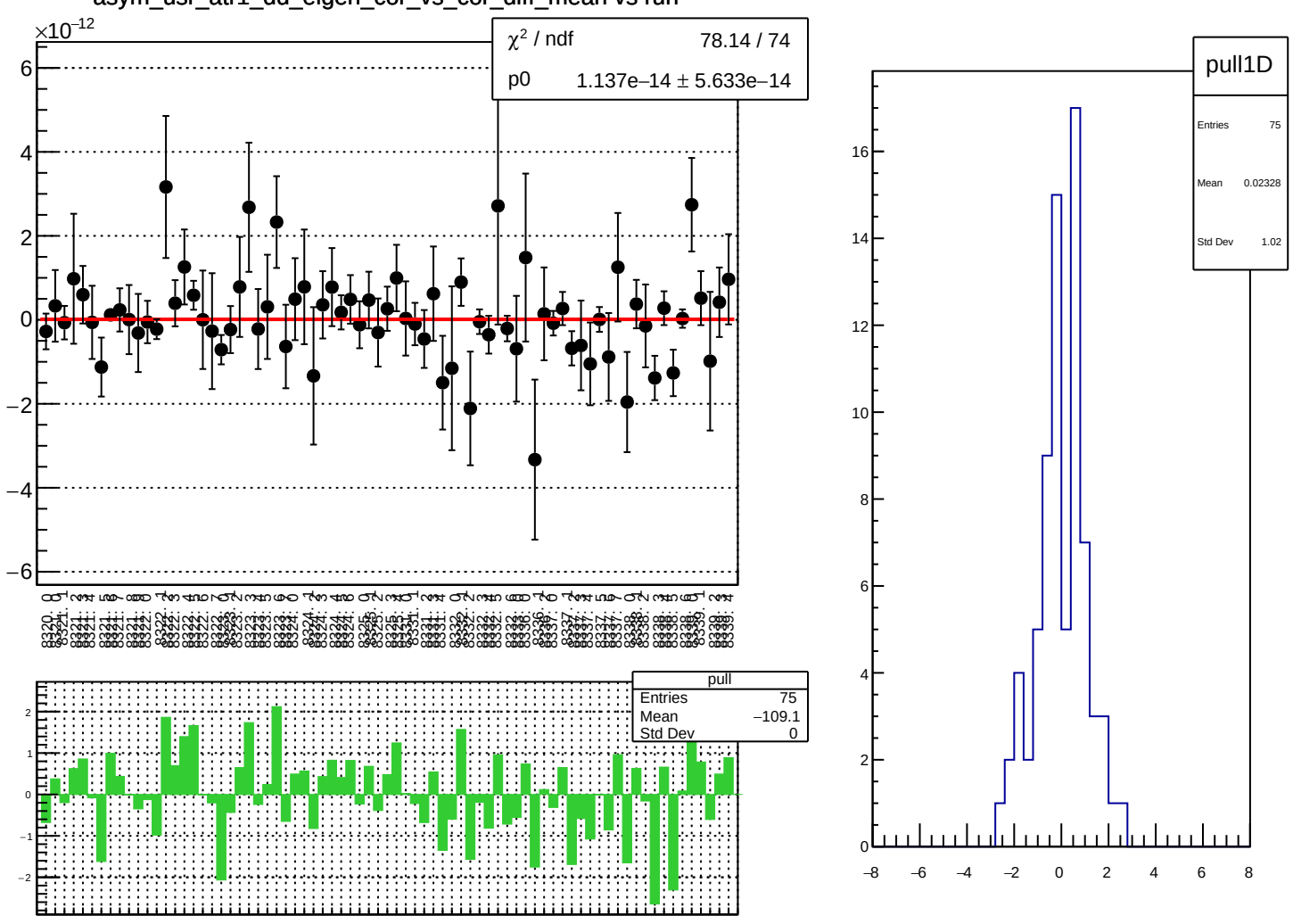

pull1D
Entries 75
Mean 0.04727
Std Dev 1.048

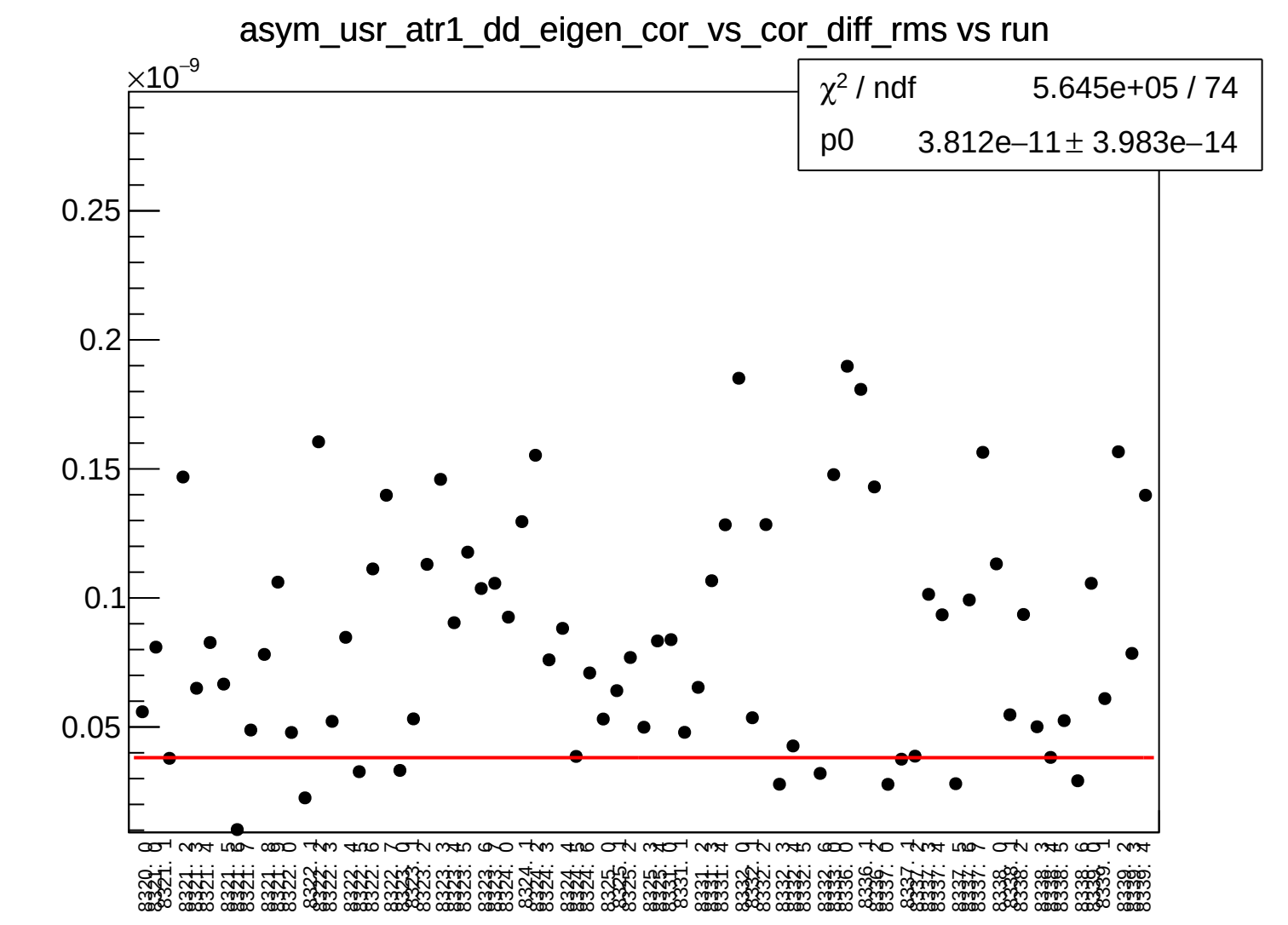

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.465e+05 / 74
p0 41.13 ± 0.03703
120
100
80
60
40
20

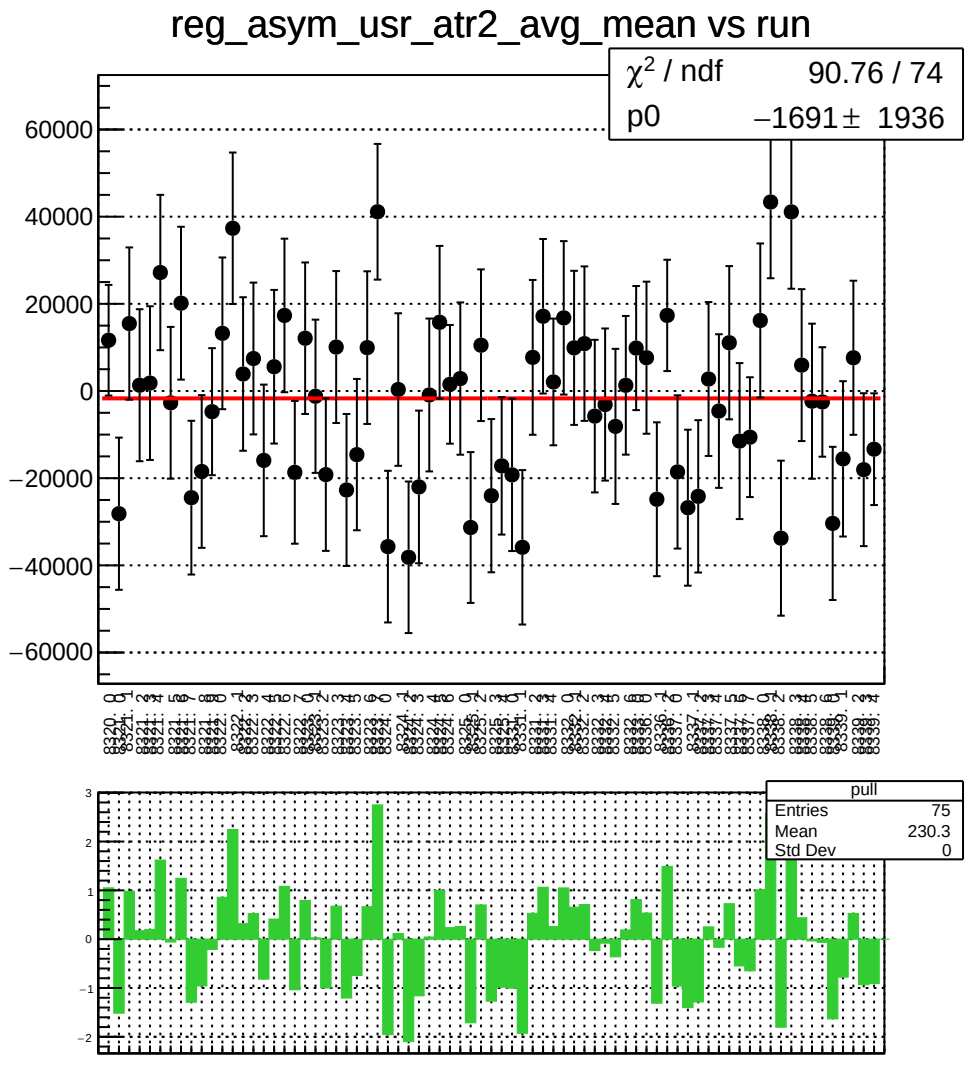

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.47 / 74
p0 −0.04146 ± 0.05237
pull
Entries 75
Mean 11.27
Std Dev 0

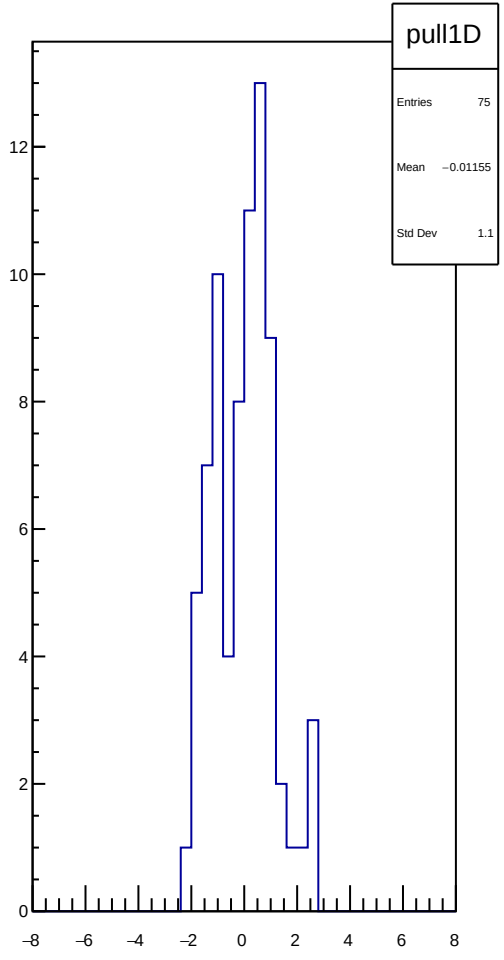

pull1D
Entries 75
Mean 0.04727
Std Dev 1.048

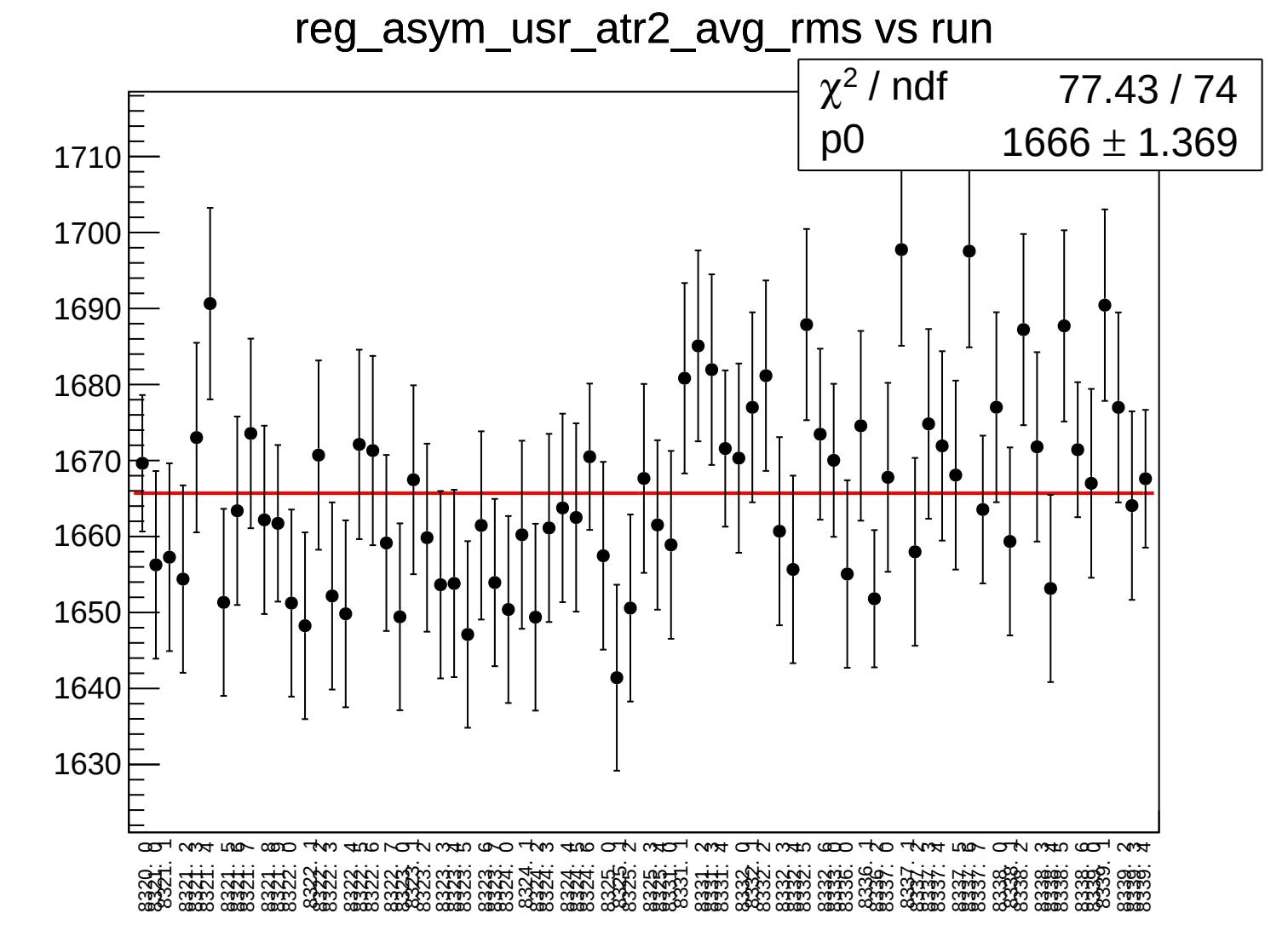

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.465e+05 / 74
p0 41.13 ± 0.03703
120
100
80
60
40
20

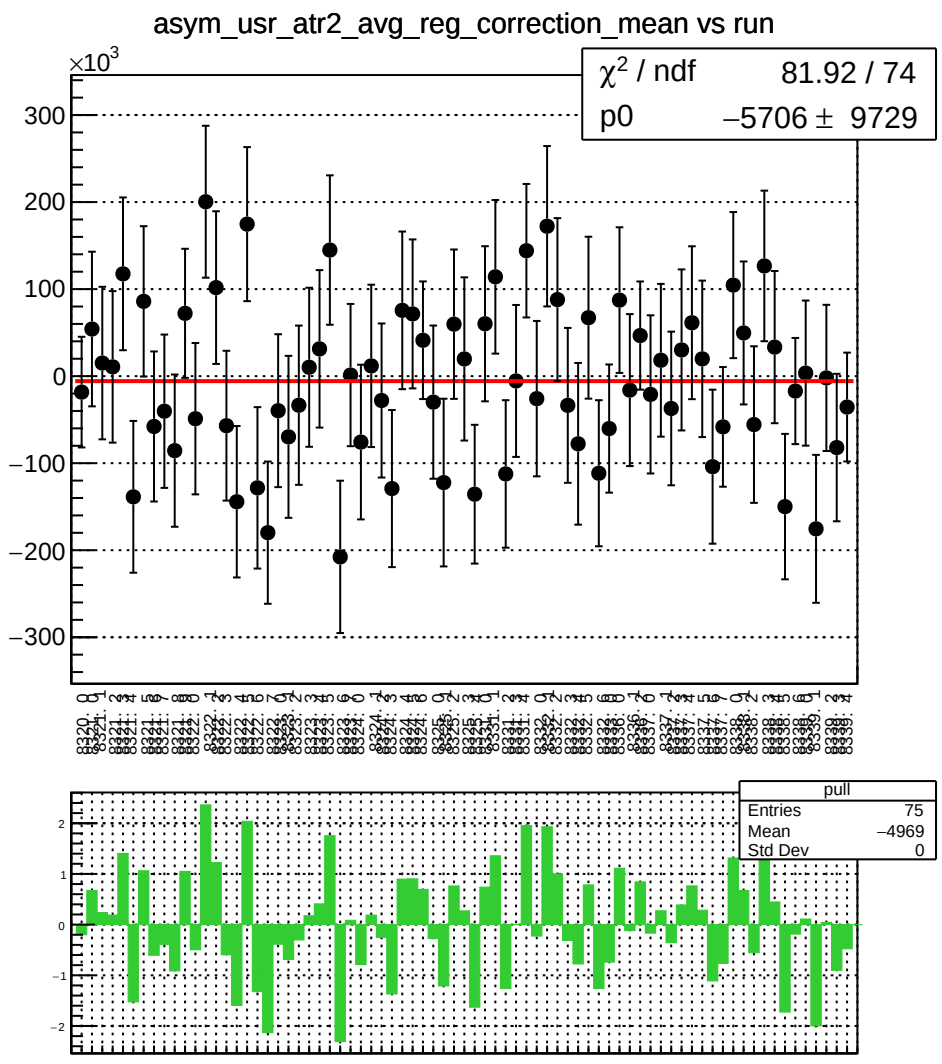

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 78.14 / 74
p0 1.137e−14 ± 5.633e−14
pull
Entries 75
Mean −109.1
Std Dev 0
pull1D
Entries 75
Mean 0.02328
Std Dev 1.02

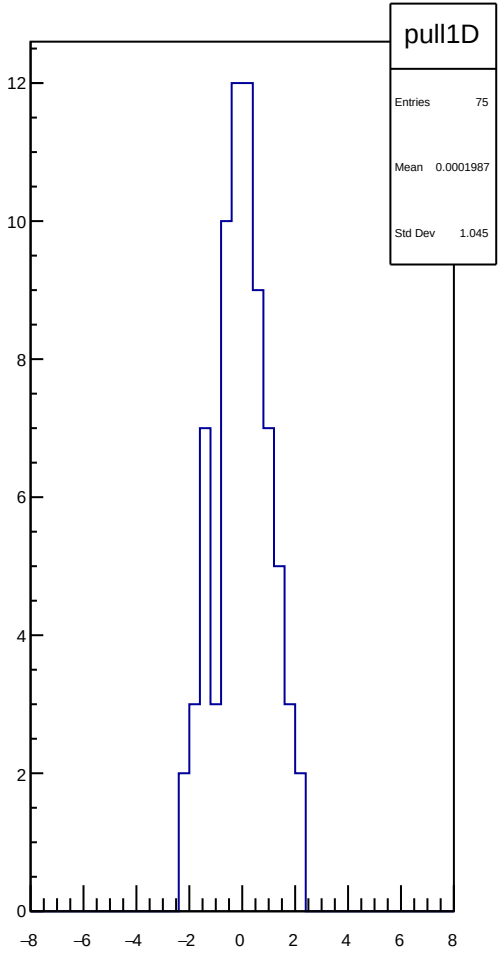

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.645e+05 / 74
p0 3.812e−11 ± 3.983e−14
0.25
0.2
0.15
0.1
0.05

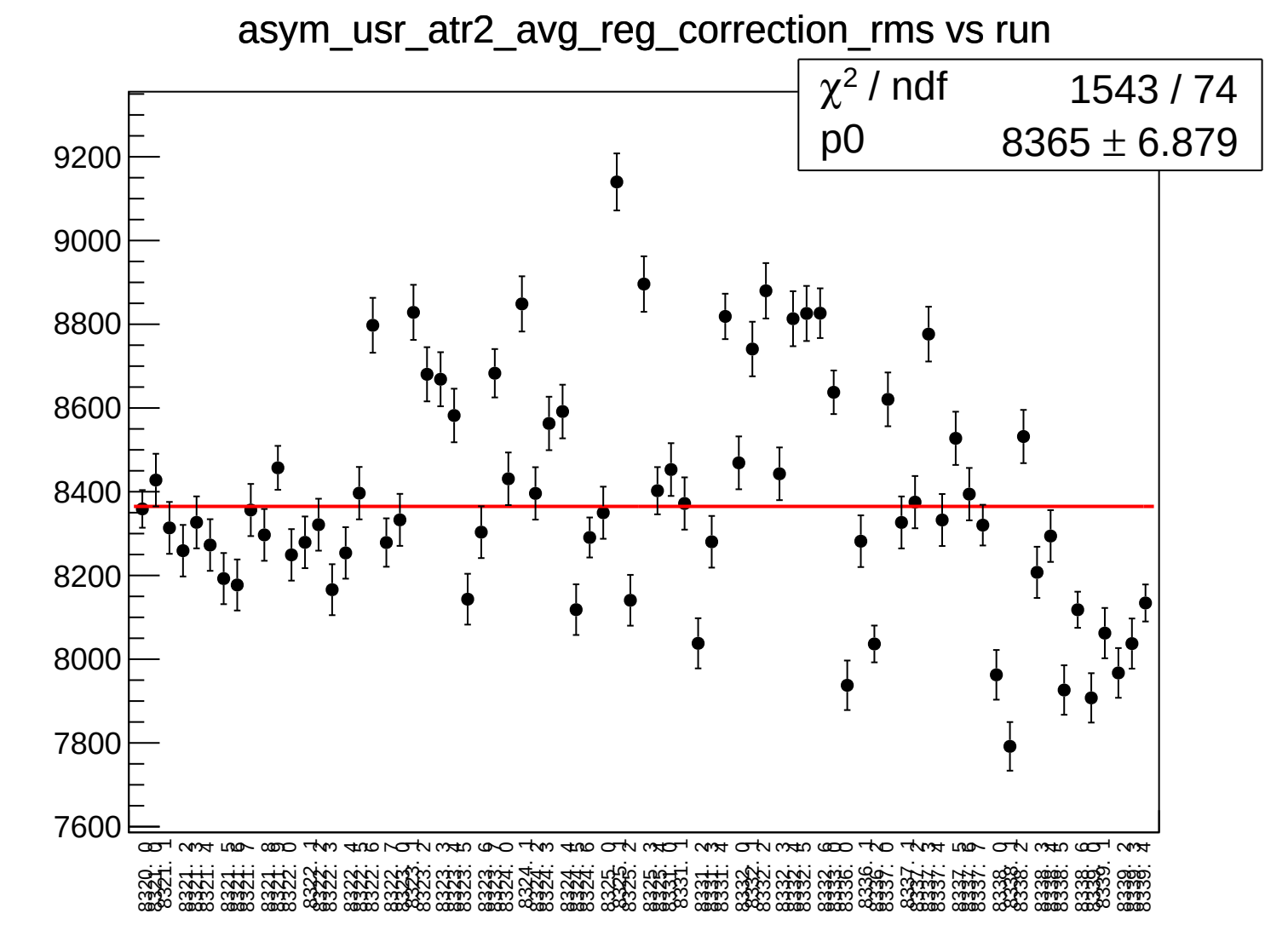

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 90.76 / 74
p0 −1691 ± 1936
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 230.3
Std Dev 0
3
2
1
0
−1
−2

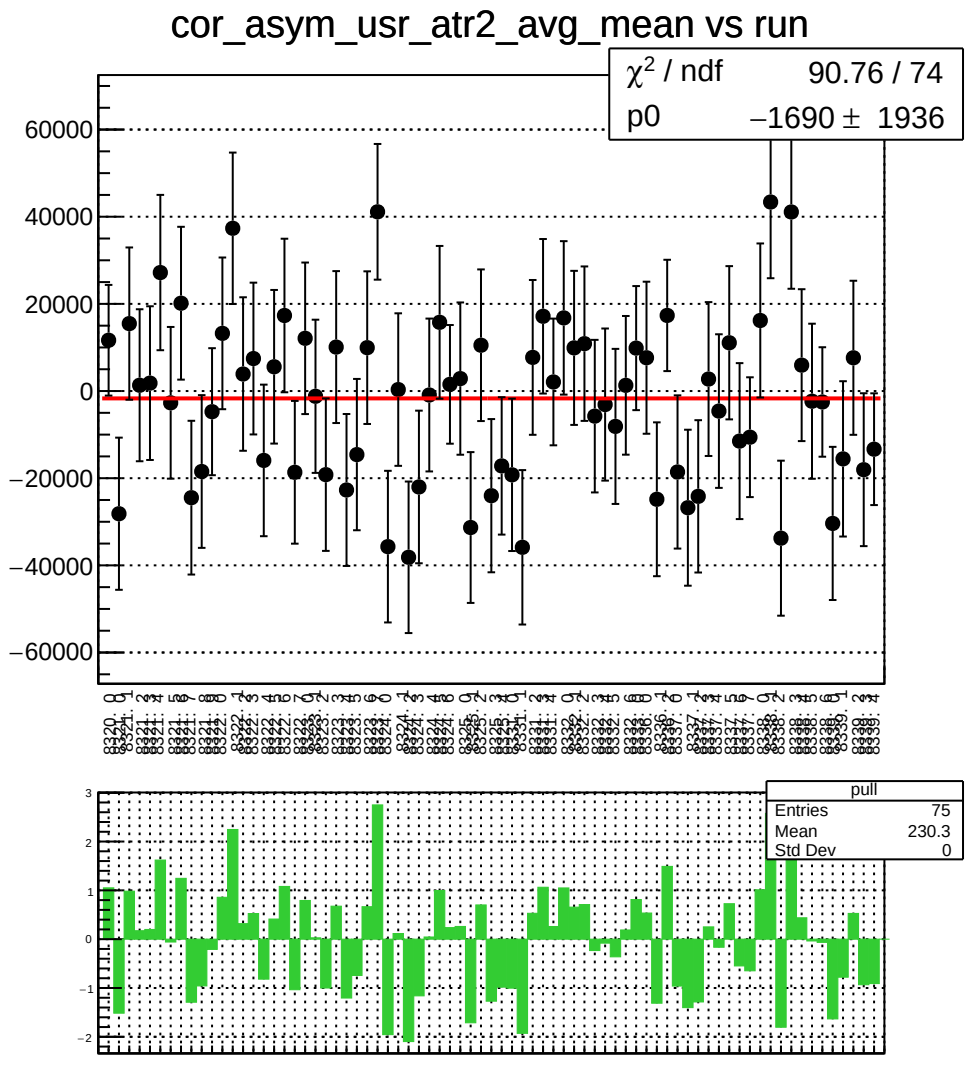

pull1D
Entries 75
Mean −0.01155
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

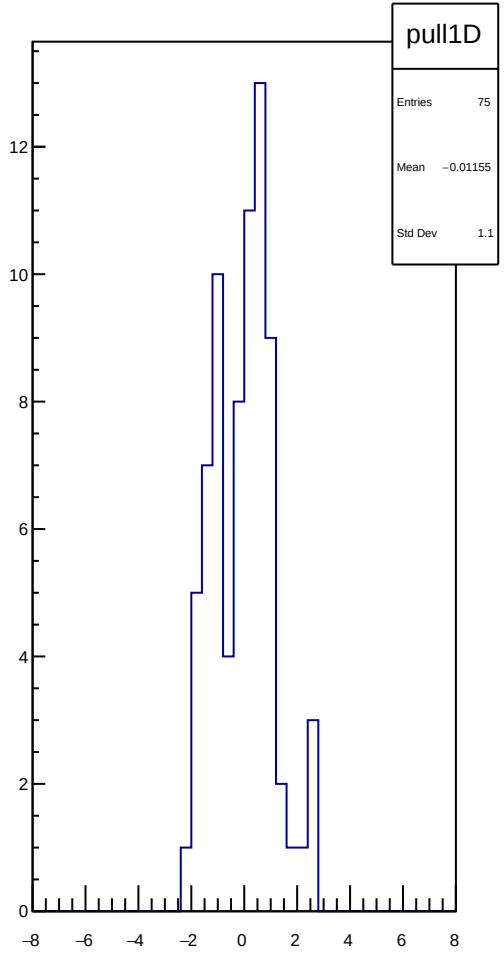

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 77.43 / 74
p0 1666 ± 1.369
1710
1700
1690
1680
1670
1660
1650
1640
1630

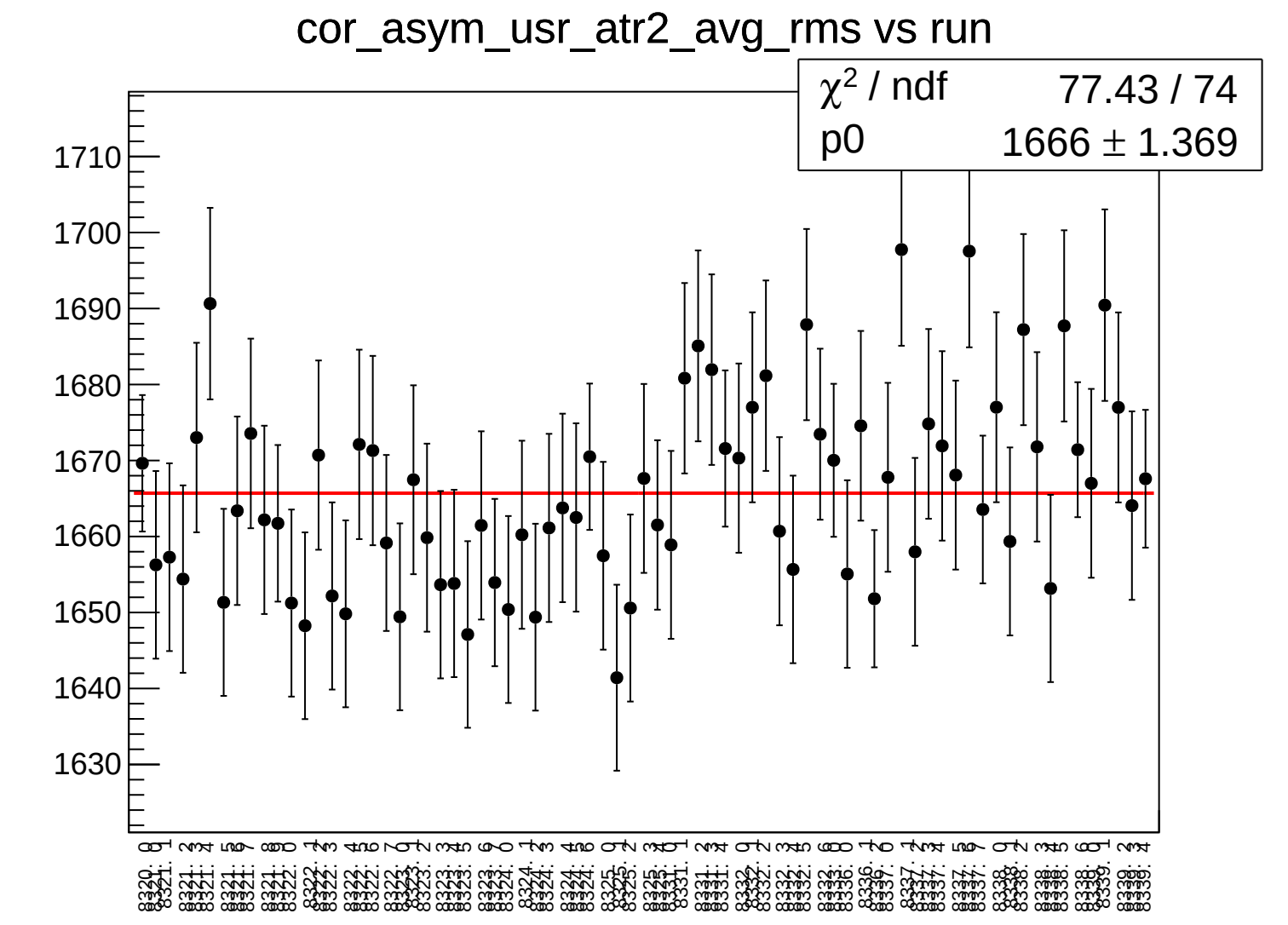

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.92 / 74
p0 −5706 ± 9729
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean −4969
Std Dev 0
2
1
0
−1
−2

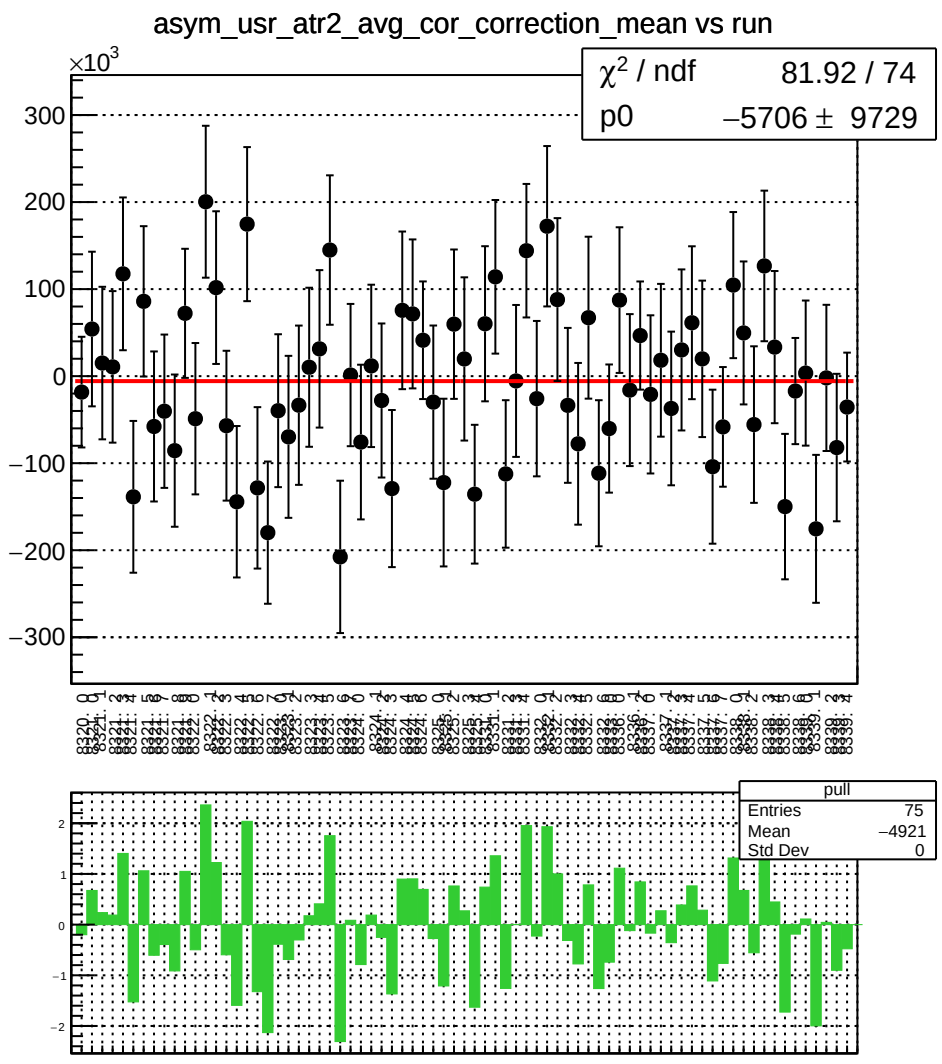

pull1D
Entries 75
Mean 0.0001987
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

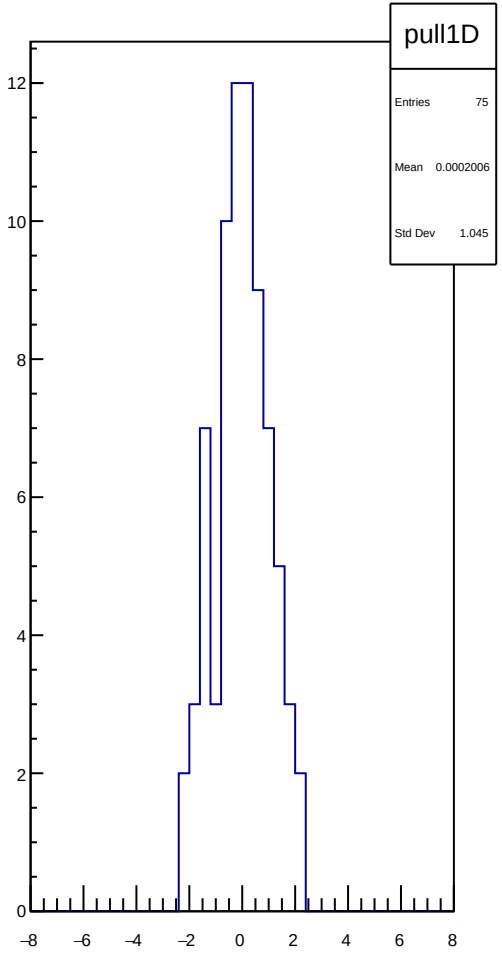

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 1543 / 74
p0 8365 ± 6.879
9200
9000
8800
8600
8400
8200
8000
7800
7600

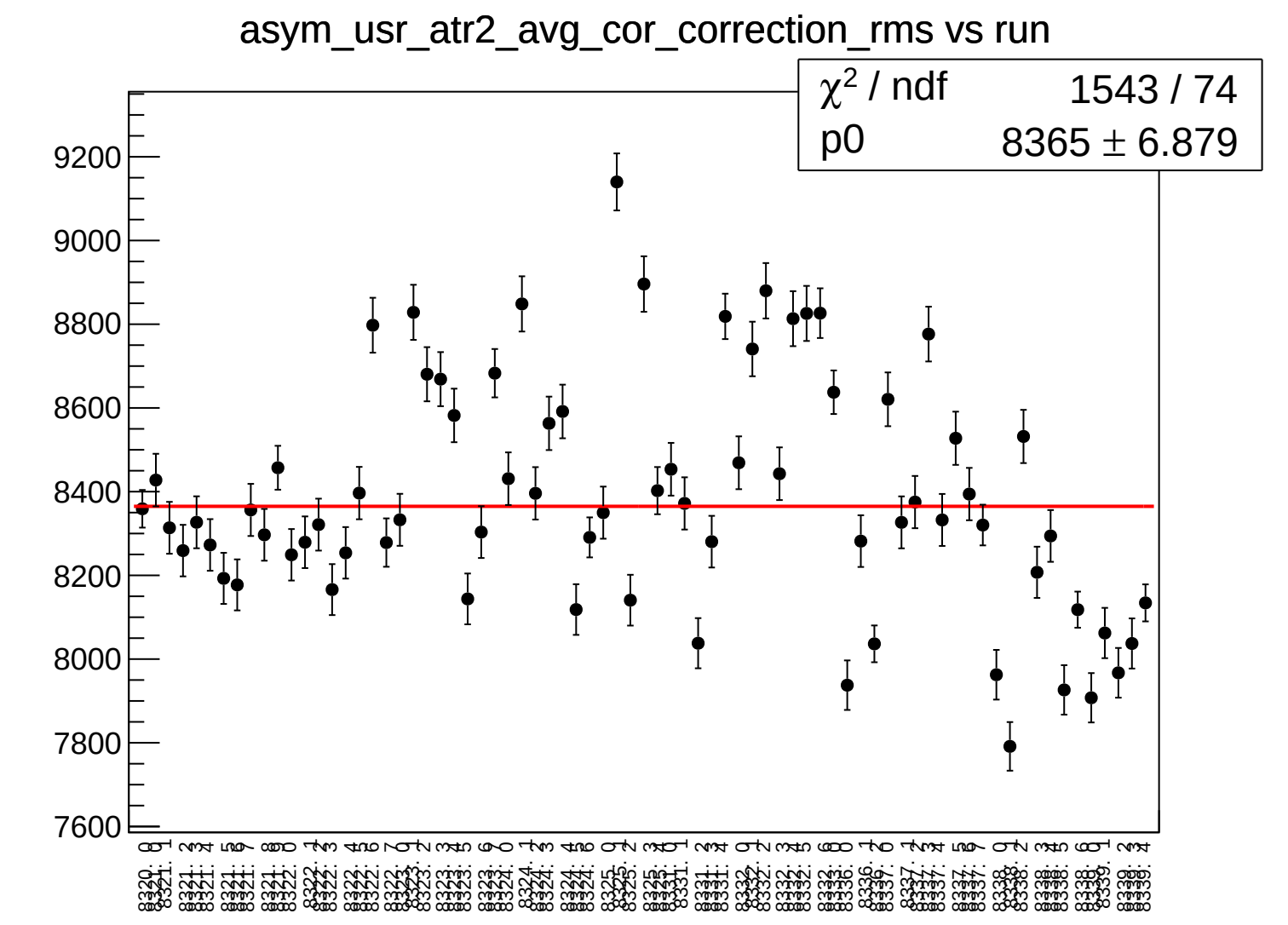

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 90.76 / 74
p0 −1690 ± 1936
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 230.3
Std Dev 0
3
2
1
0
−1
−2

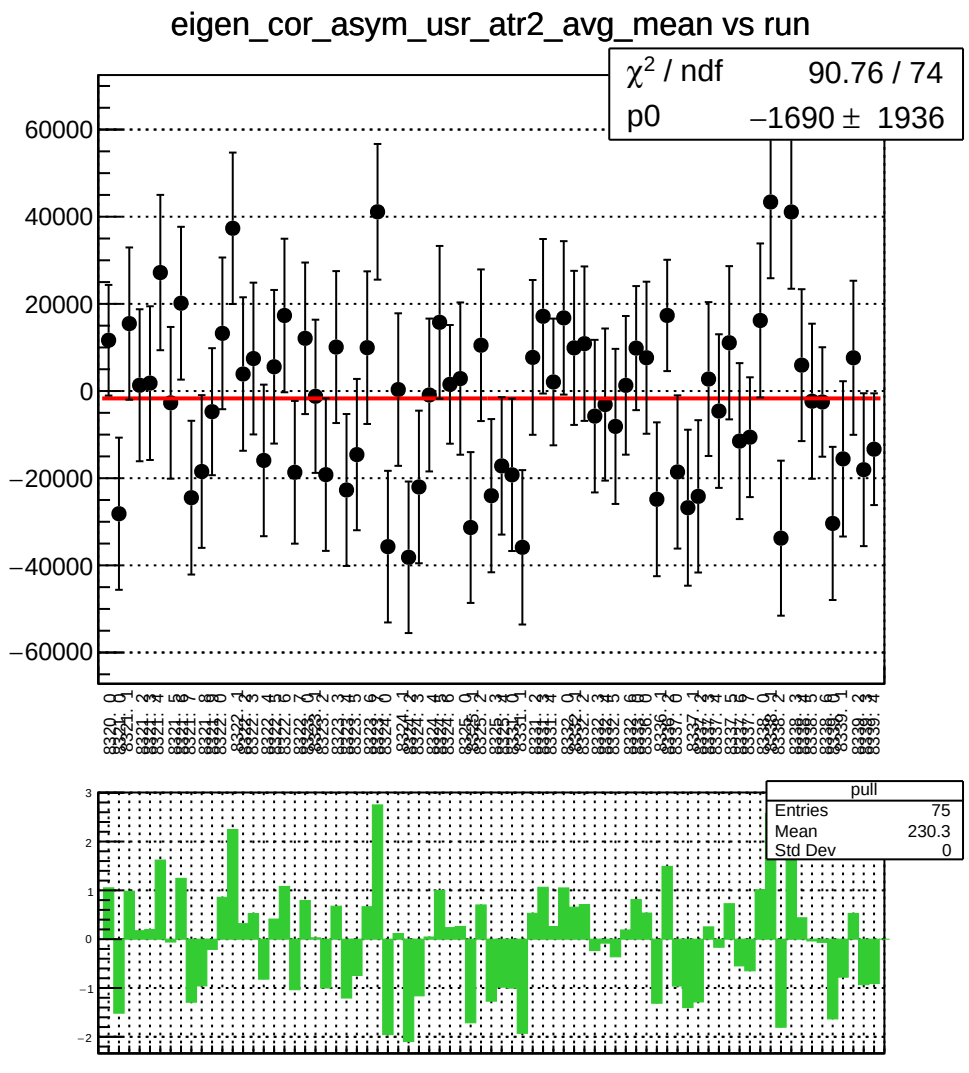

pull1D
Entries 75
Mean −0.01155
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

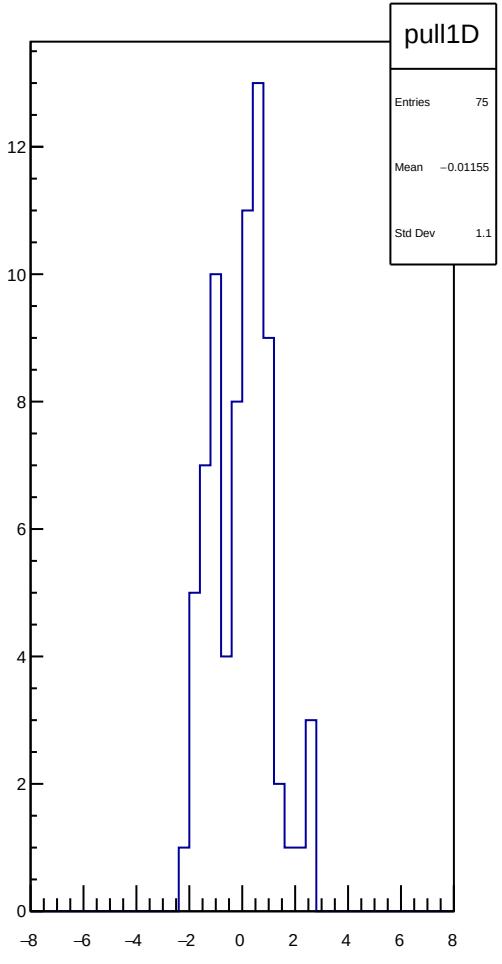

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 77.43 / 74
p0 1666 ± 1.369
1710
1700
1690
1680
1670
1660
1650
1640
1630

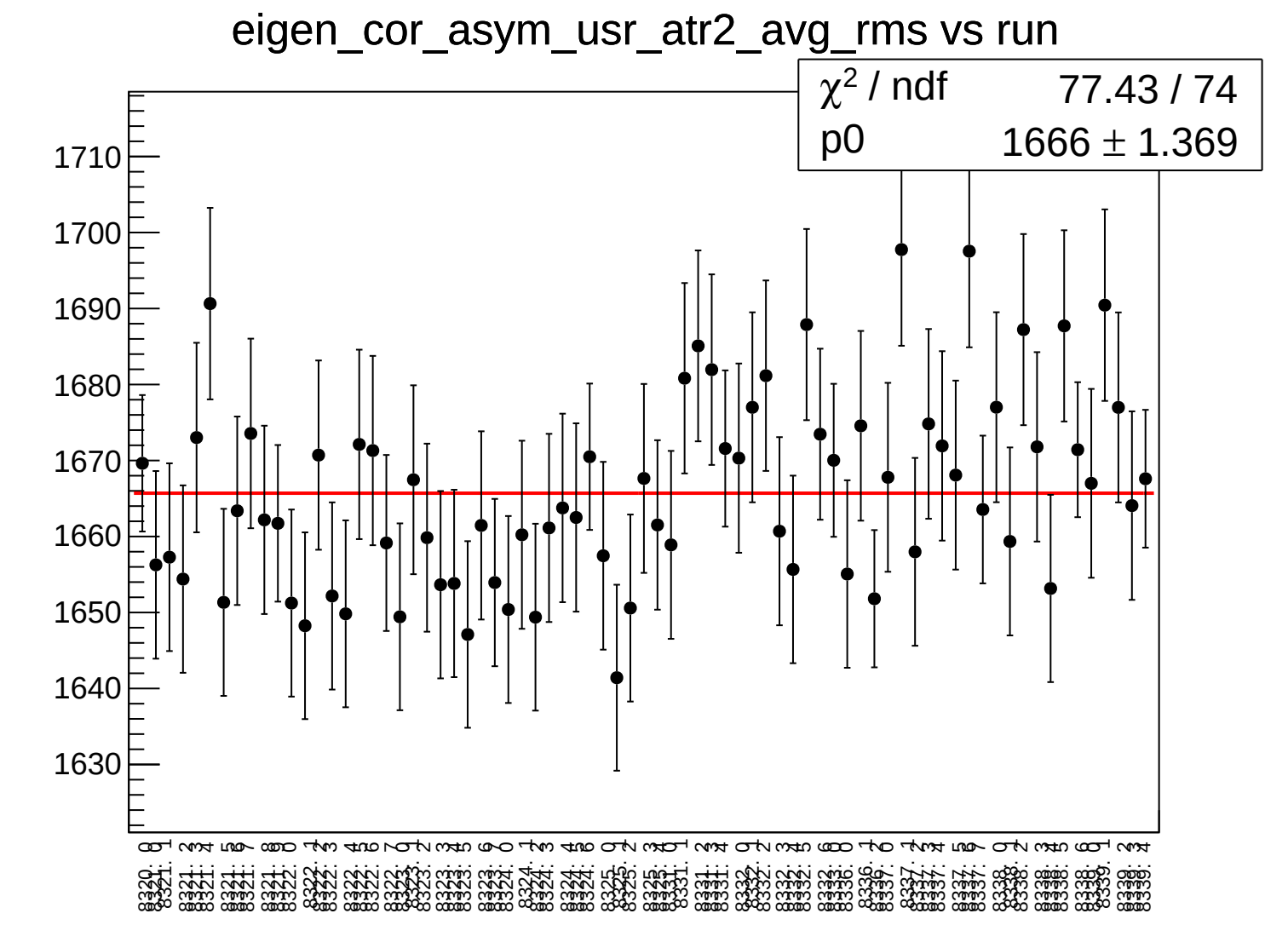

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.92 / 74
p0 −5706 ± 9729
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean −4921
Std Dev 0
2
1
0
−1
−2

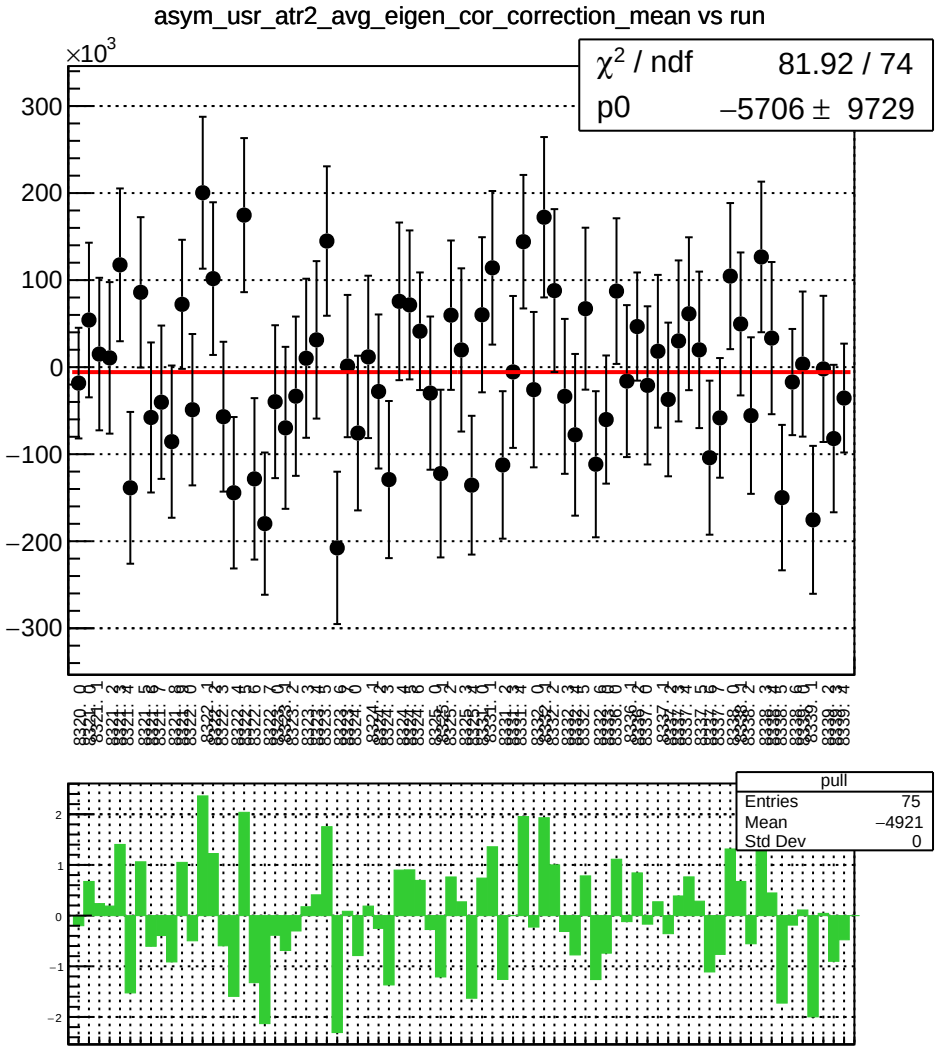

pull1D
Entries 75
Mean 0.0002006
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

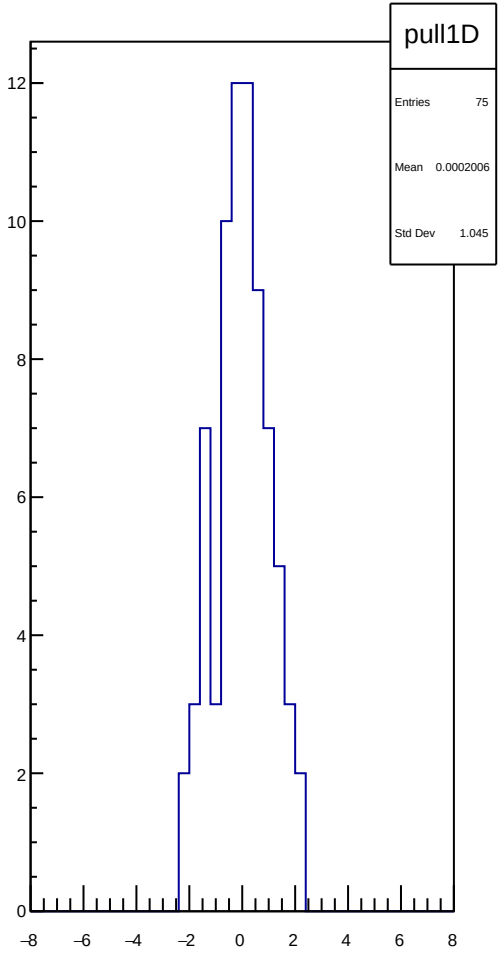

asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 1543 / 74
p0 8365 ± 6.879
9200
9000
8800
8600
8400
8200
8000
7800
7600

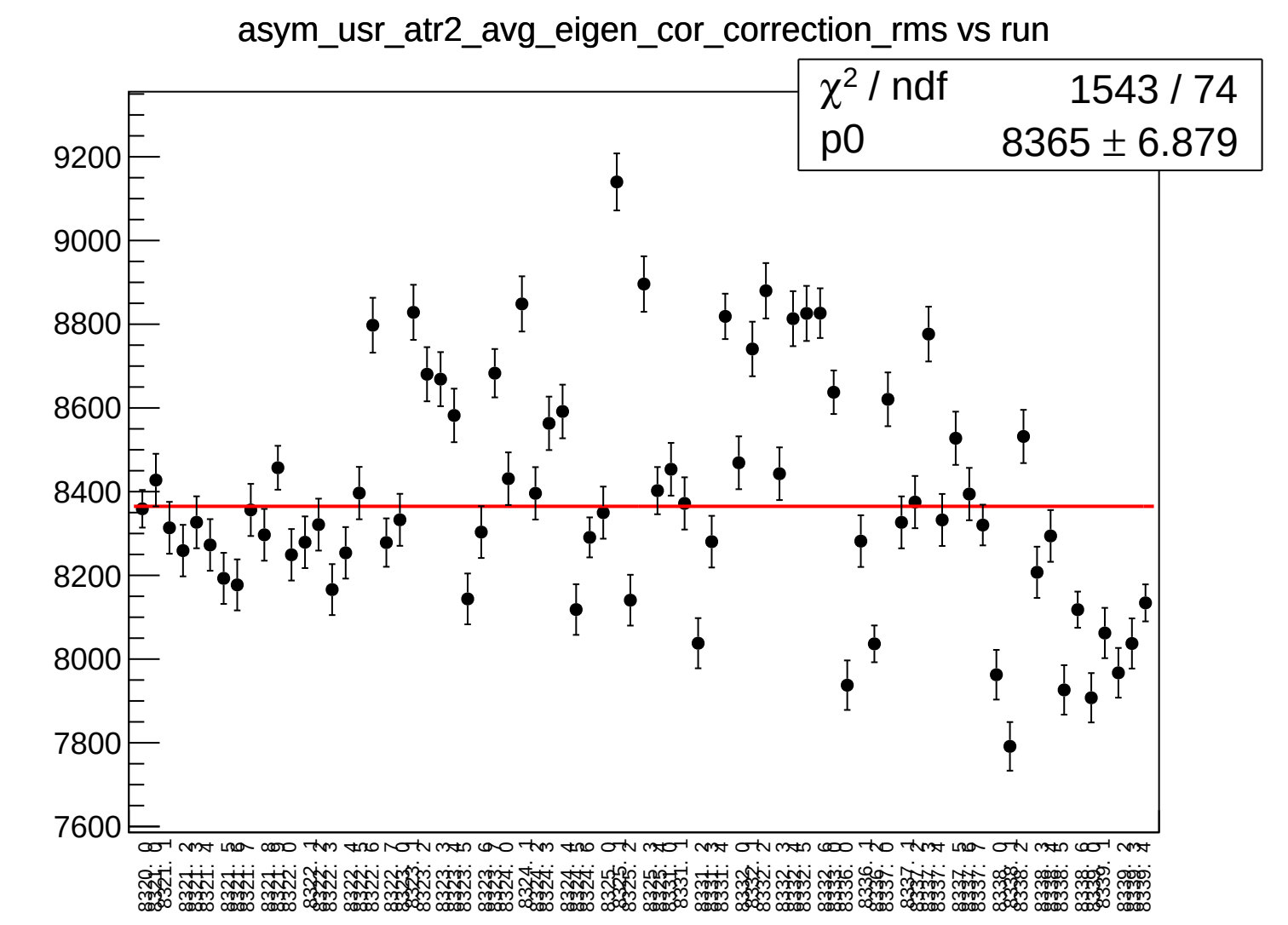

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 90.76 / 74
p0 −1690 ± 1936
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 230.3
Std Dev 0
3
2
1
0
−1
−2

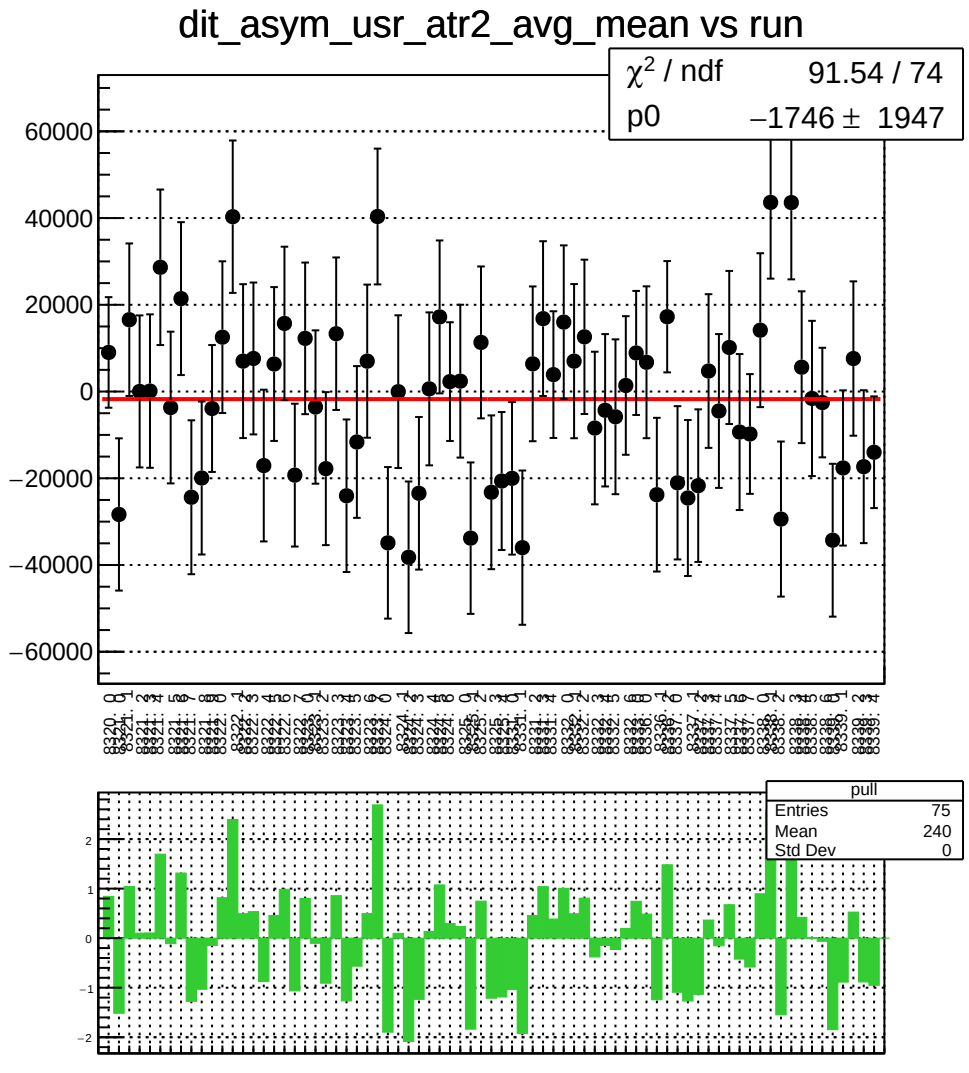

pull1D
Entries 75
Mean −0.01155
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

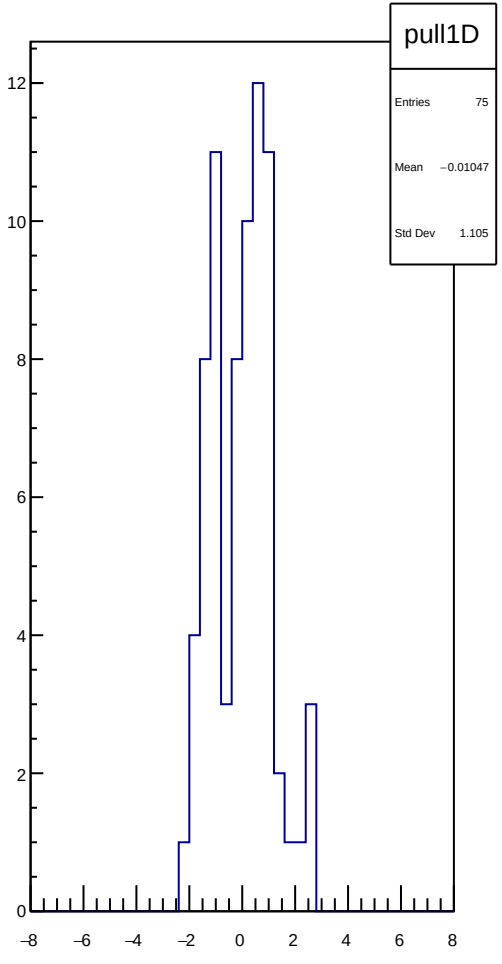

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 77.43 / 74
p0 1666 ± 1.369
1710
1700
1690
1680
1670
1660
1650
1640
1630

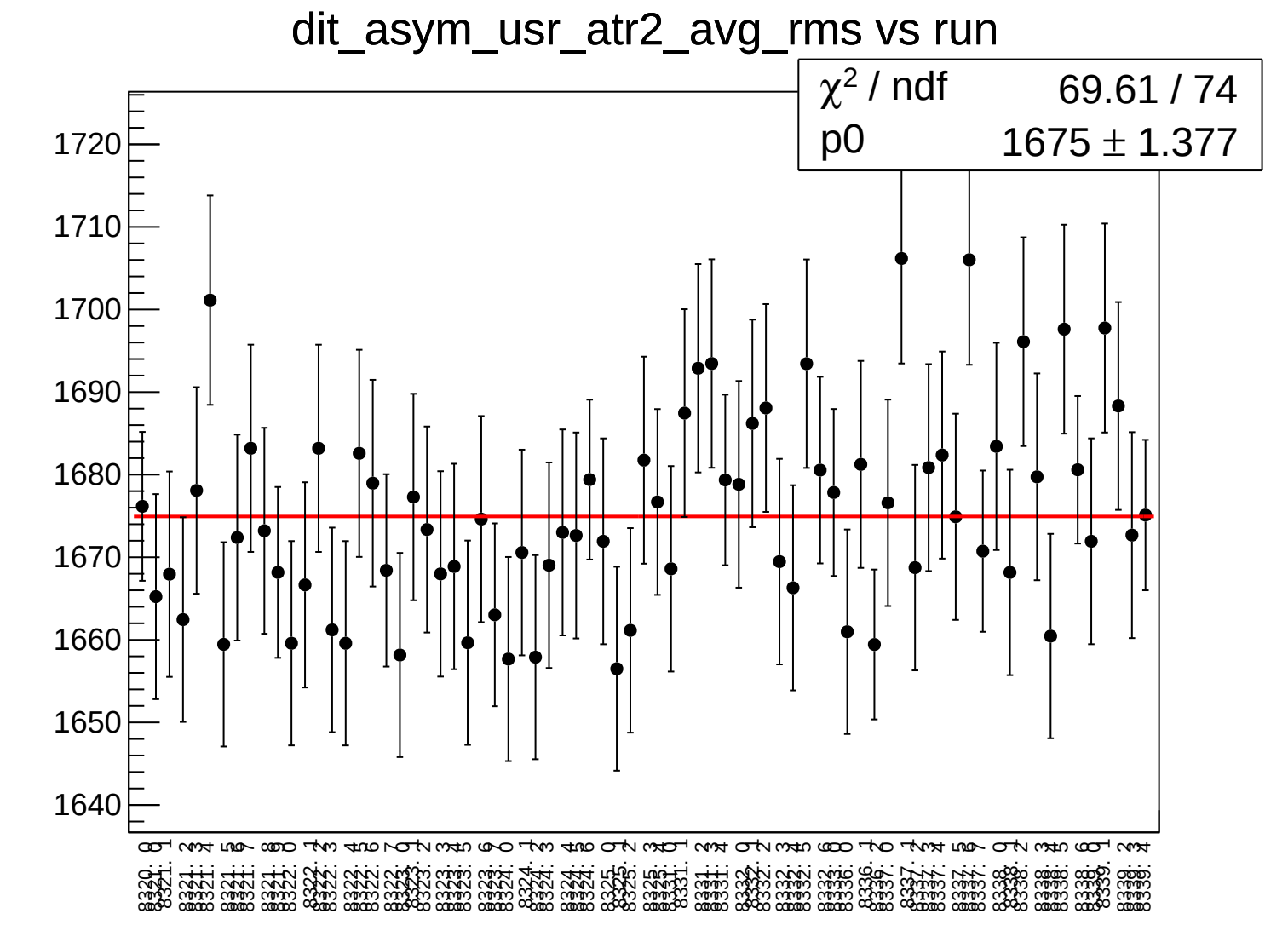

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.92 / 74
p0 −5706 ± 9729
pull
Entries 75
Mean −4921
Std Dev 0

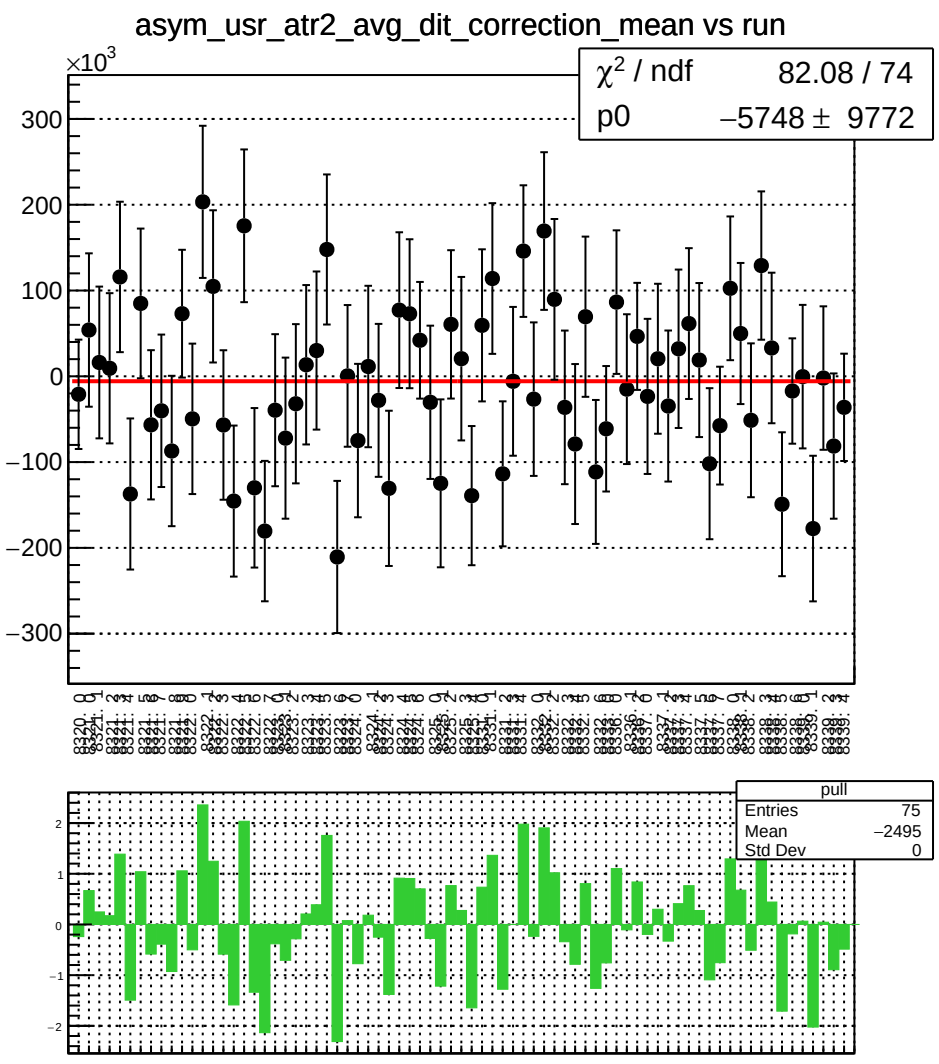

pull1D
Entries 75
Mean 0.0002006
Std Dev 1.045

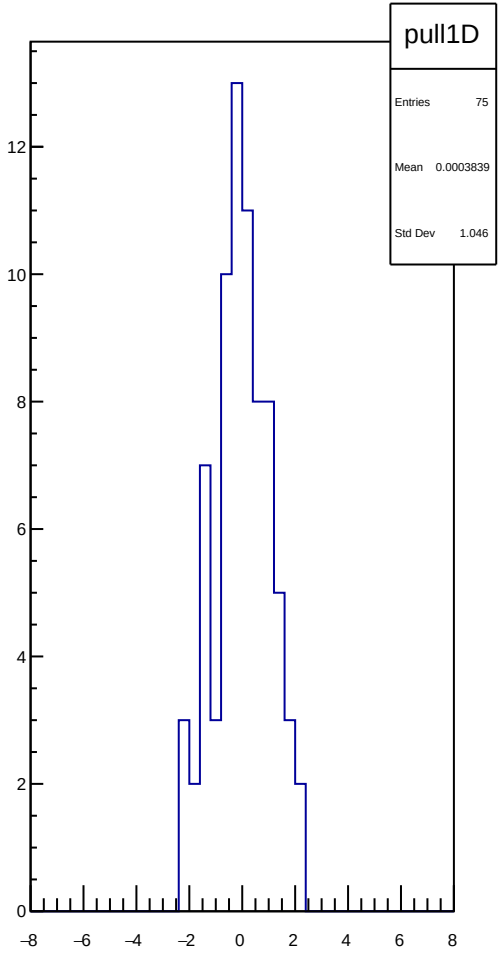

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1543 / 74
p0 8365 ± 6.879
9200
9000
8800
8600
8400
8200
8000
7800
7600

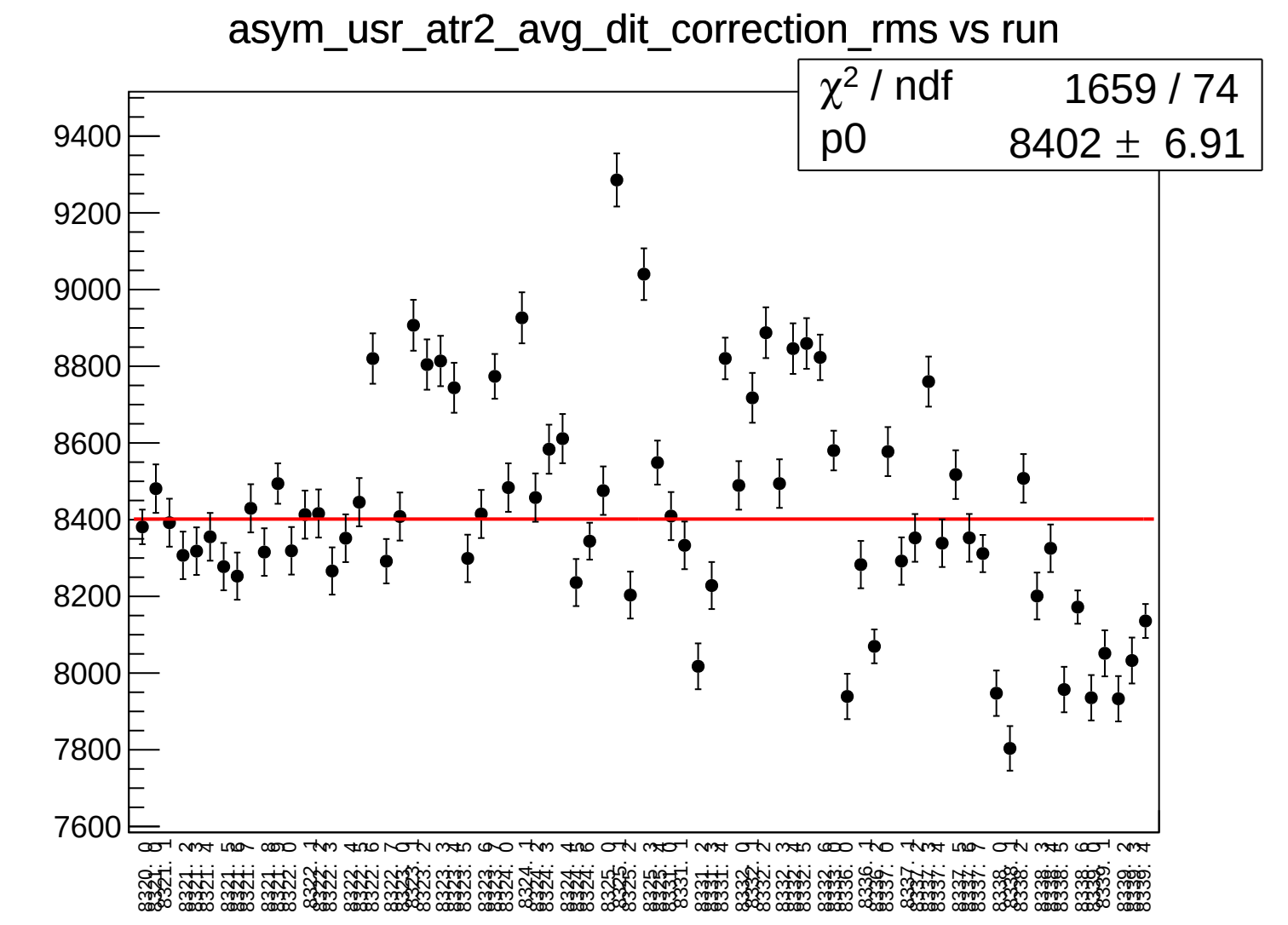

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 91.54 / 74
p0 −1746 ± 1947
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 240
Std Dev 0
2
1
0
−1
−2

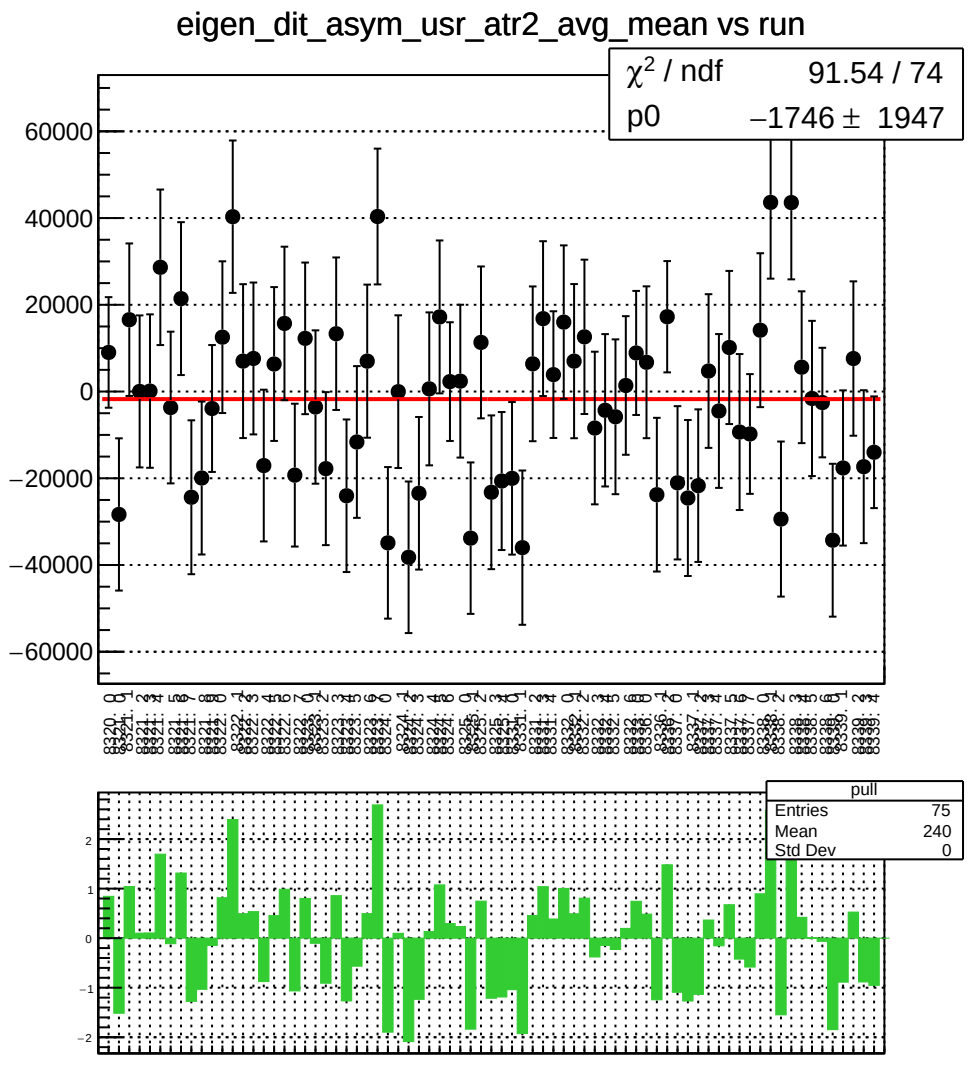

pull1D
Entries 75
Mean −0.01047
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

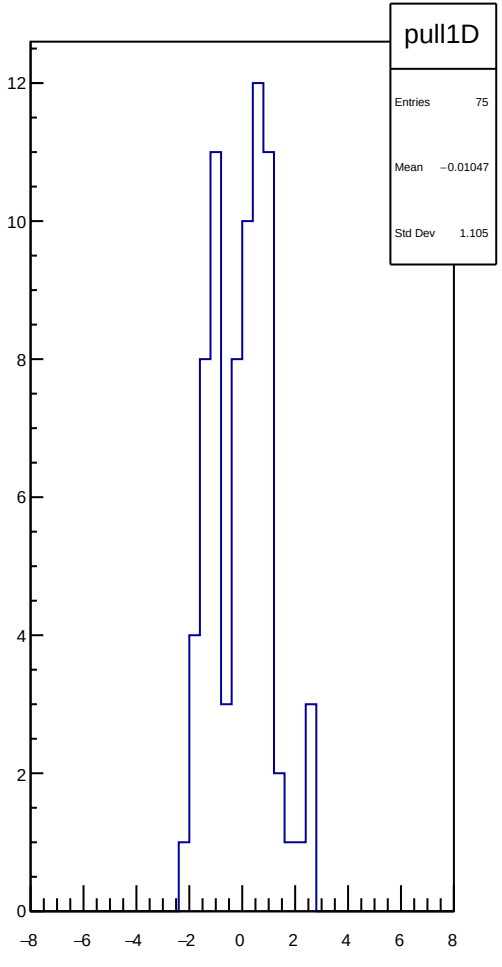

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 69.61 / 74
p0 1675 ± 1.377
1720
1710
1700
1690
1680
1670
1660
1650
1640

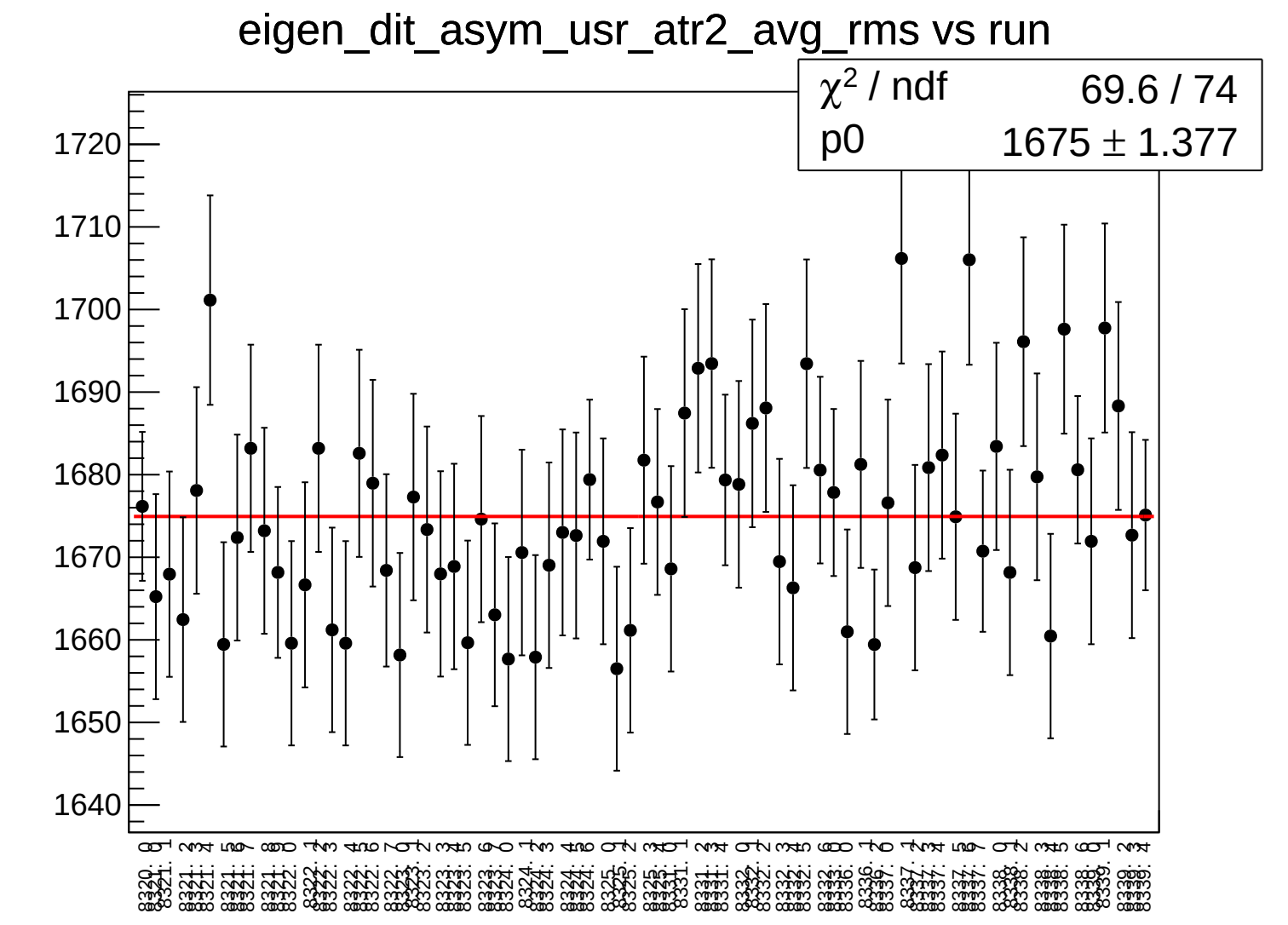

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 82.08 / 74
p0 −5748 ± 9772
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean −2495
Std Dev 0
2
1
0
−1
−2

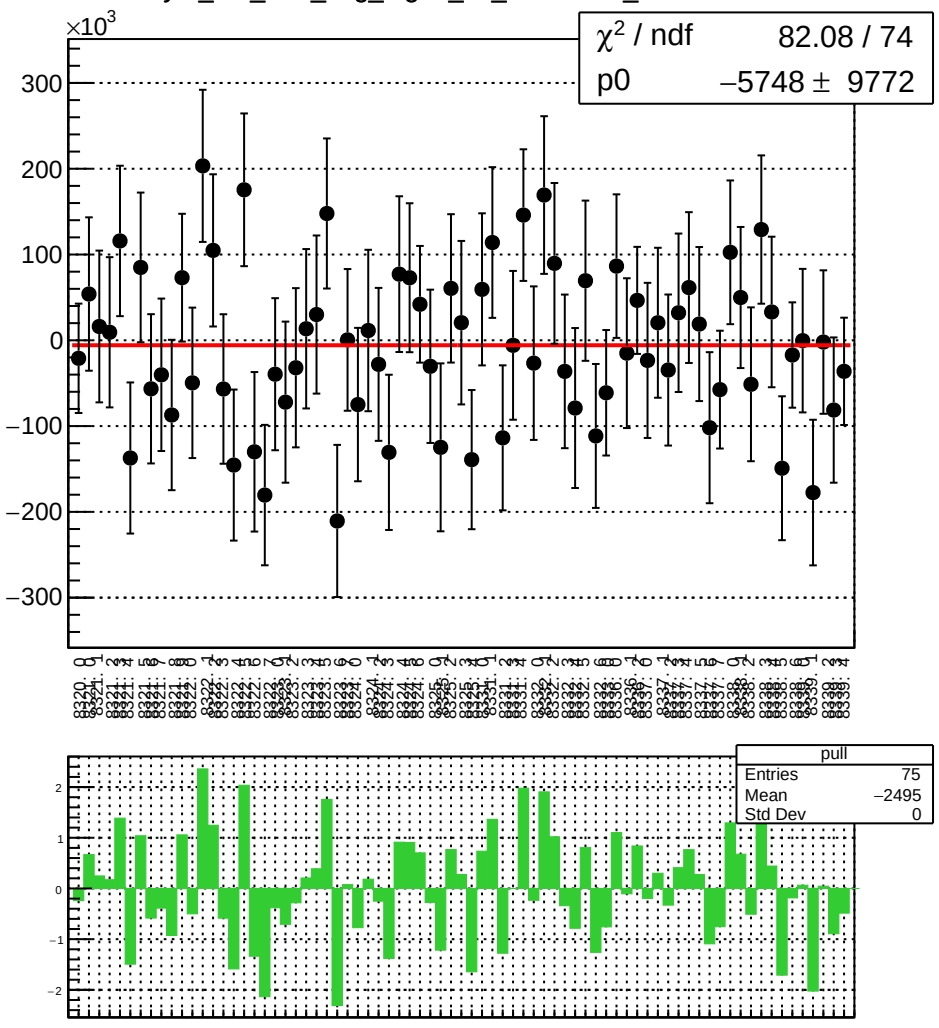

pull1D
Entries 75
Mean 0.0003839
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

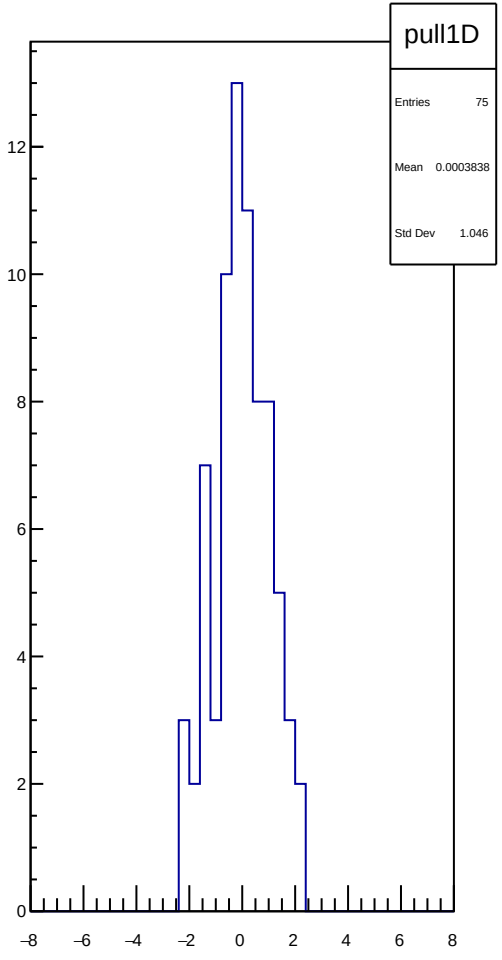

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 1659 / 74
p0 8402 ± 6.91
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600

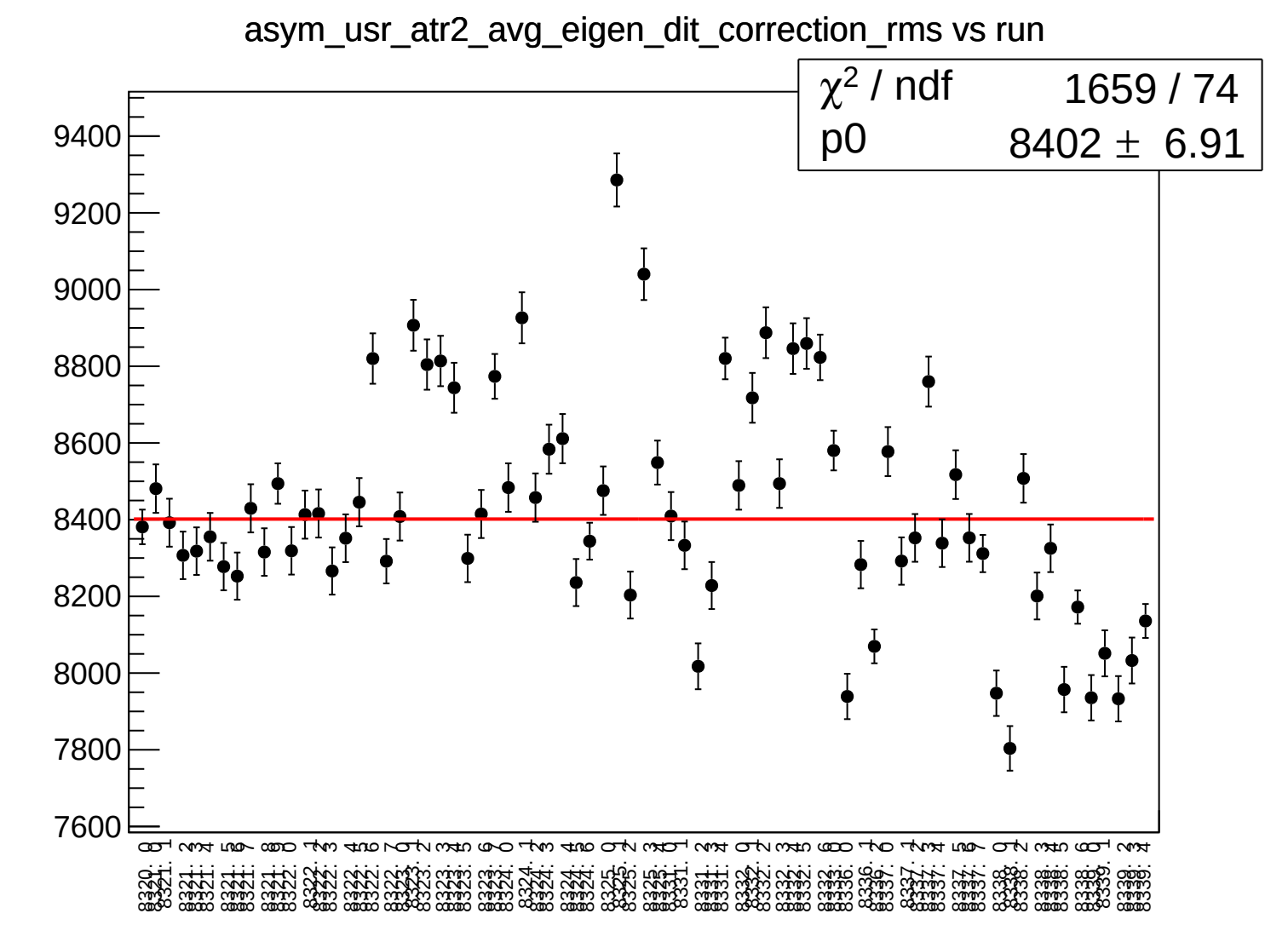

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 91.54 / 74
p0 −1746 ± 1947
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 240
Std Dev 0
2
1
0
−1
−2

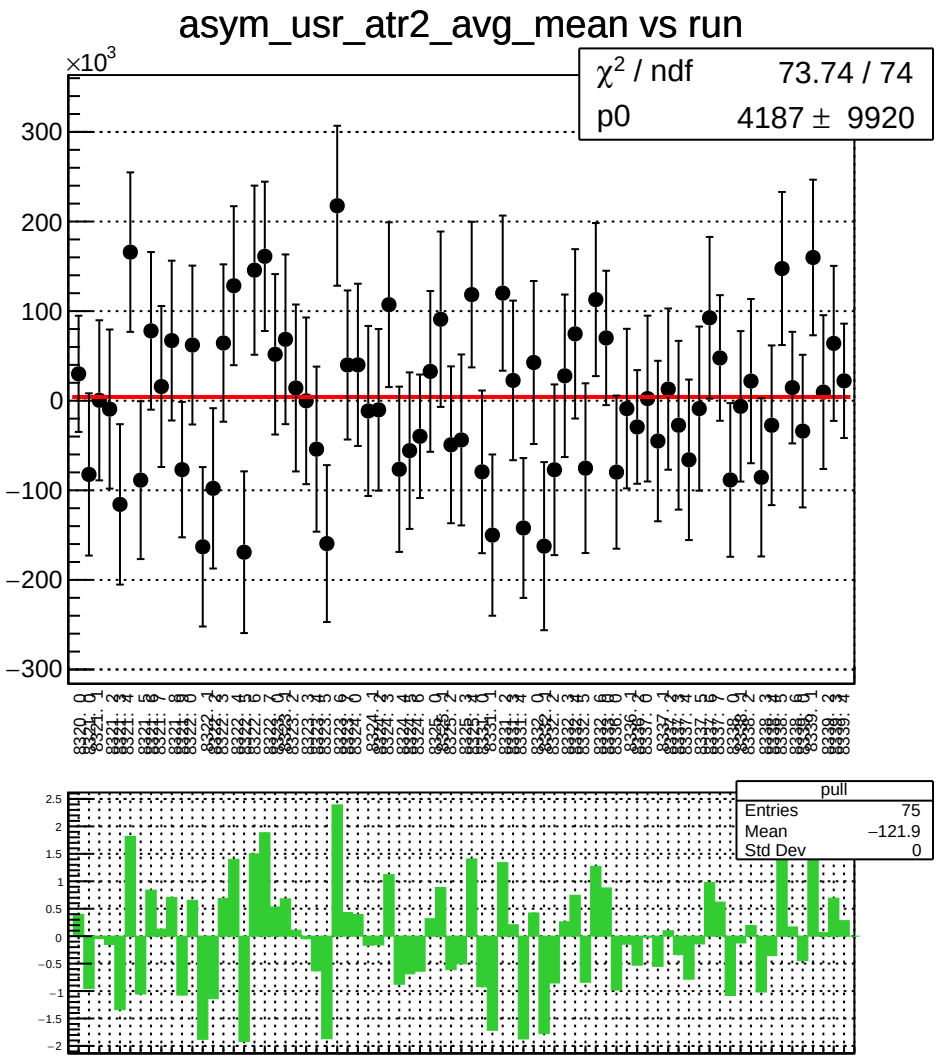

pull1D
Entries 75
Mean −0.01047
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

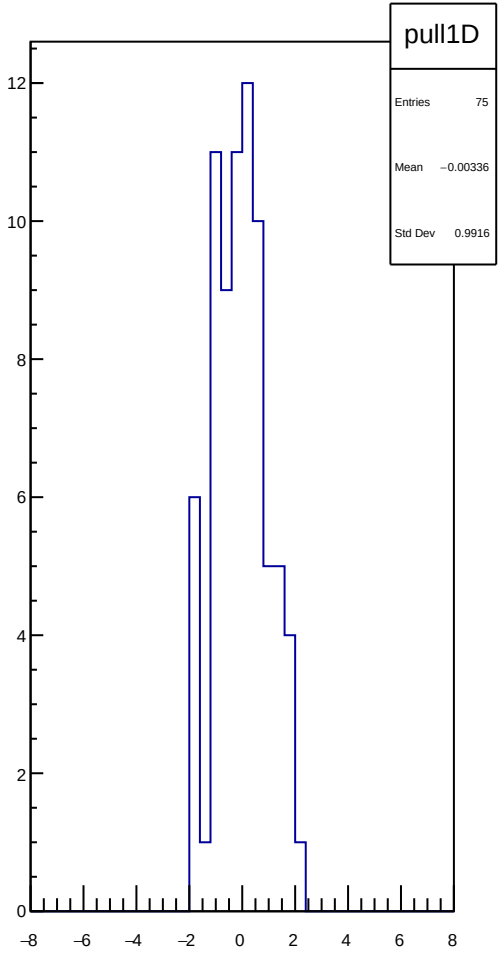

eigen_dit_asym_usr_atr2_avg_rms vs run
χ^2 / ndf 69.6 / 74
p0 1675 ± 1.377
1720
1710
1700
1690
1680
1670
1660
1650
1640

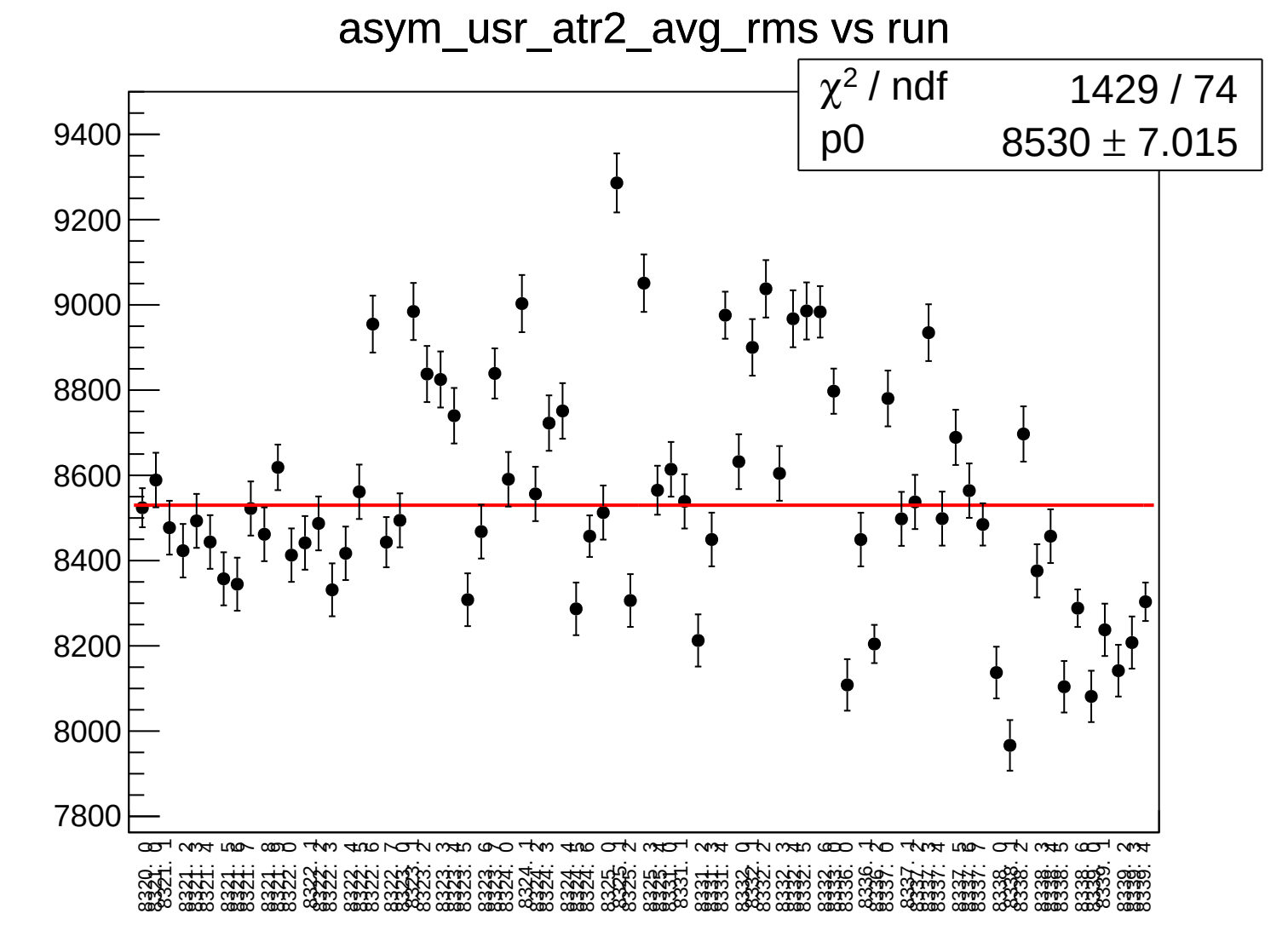

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.08 / 74
p0 −5748 ± 9772
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean −2495
Std Dev 0
2
1
0
−1
−2

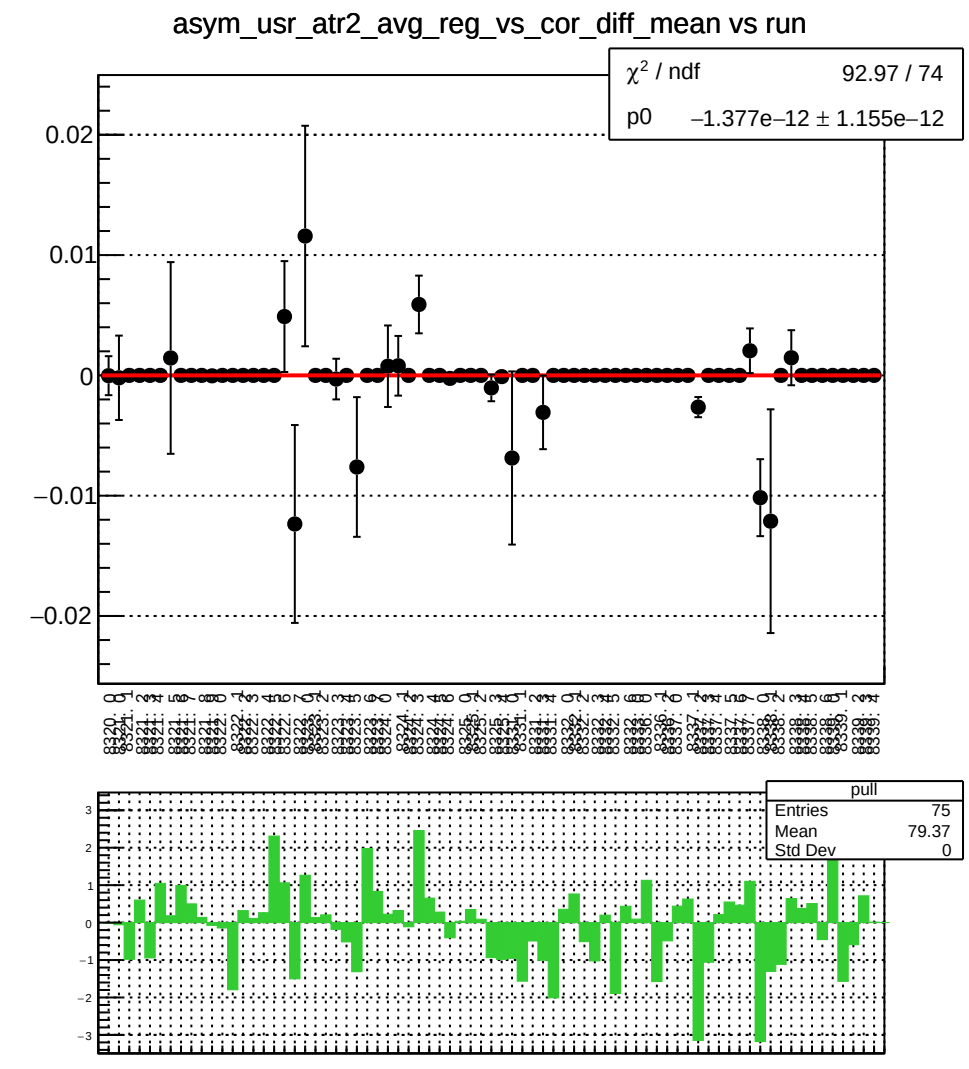

pull1D
Entries 75
Mean 0.0003838
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

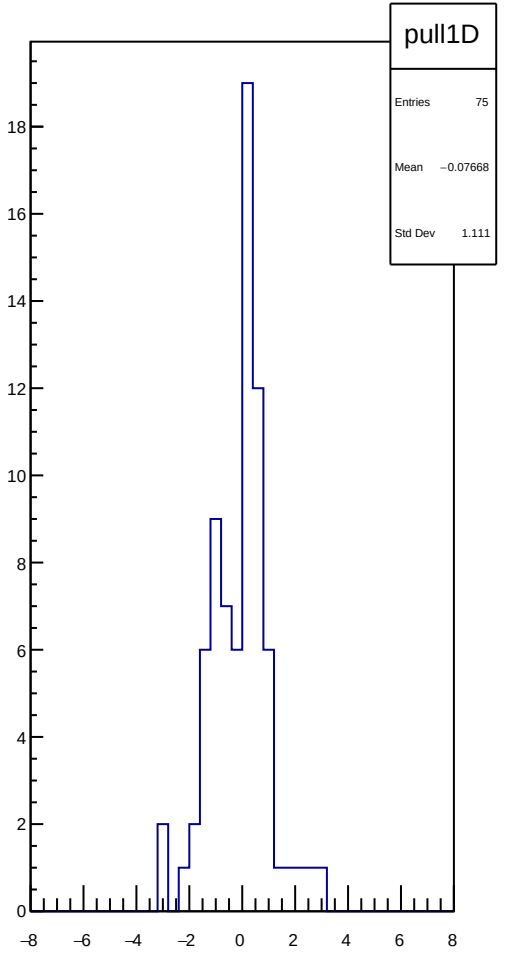

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1659 / 74
p0 8402 ± 6.91
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600

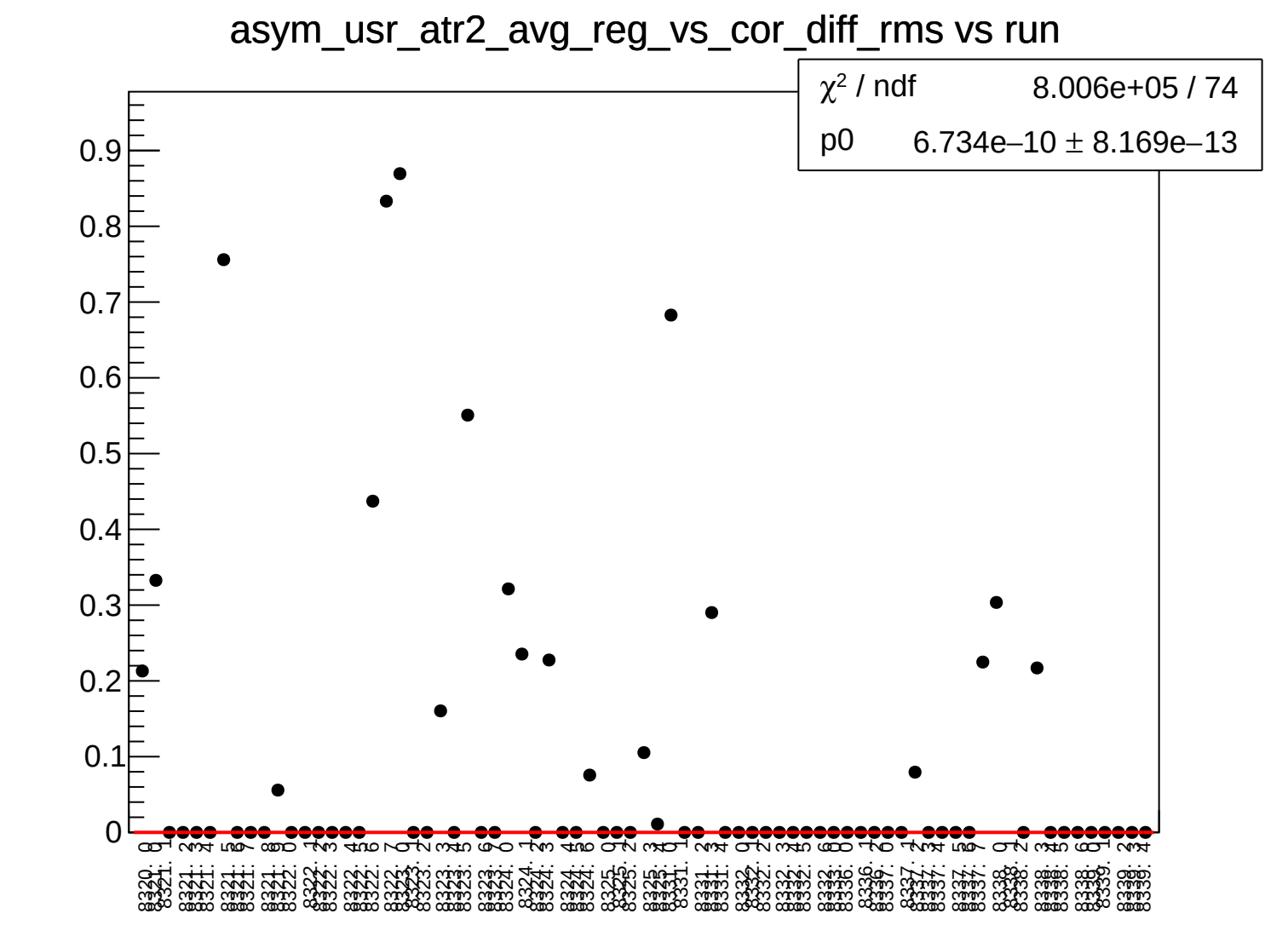

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 73.74 / 74
p0 4187 ± 9920
300
200
100
0
−100
−200
−300
pull
Entries 75
Mean −121.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

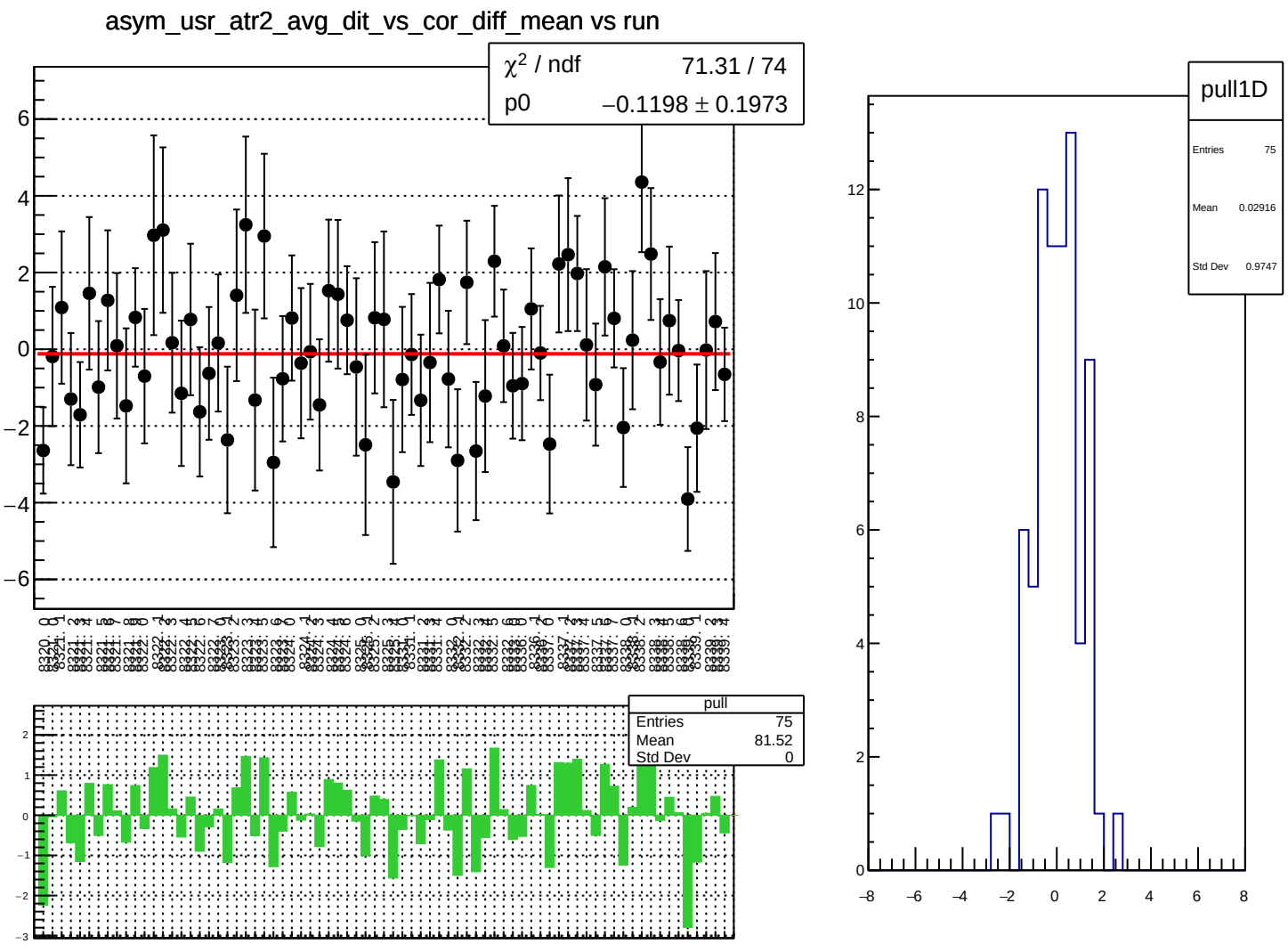

pull1D
Entries 75
Mean −0.00336
Std Dev 0.9916
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

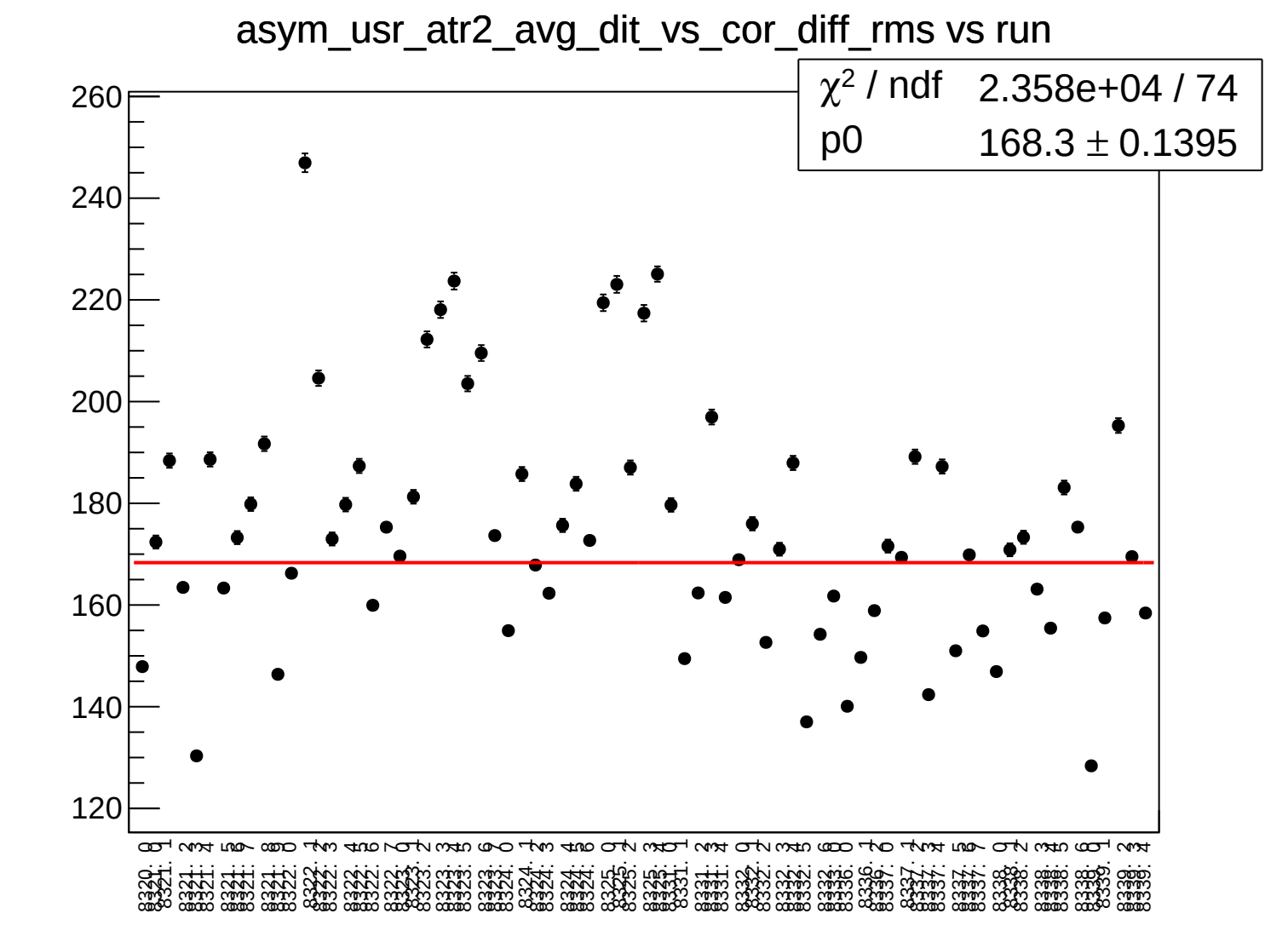

asym_usr_atr2_avg_rms vs run
χ² / ndf 1429 / 74
p0 8530 ± 7.015
9400
9200
9000
8800
8600
8400
8200
8000
7800

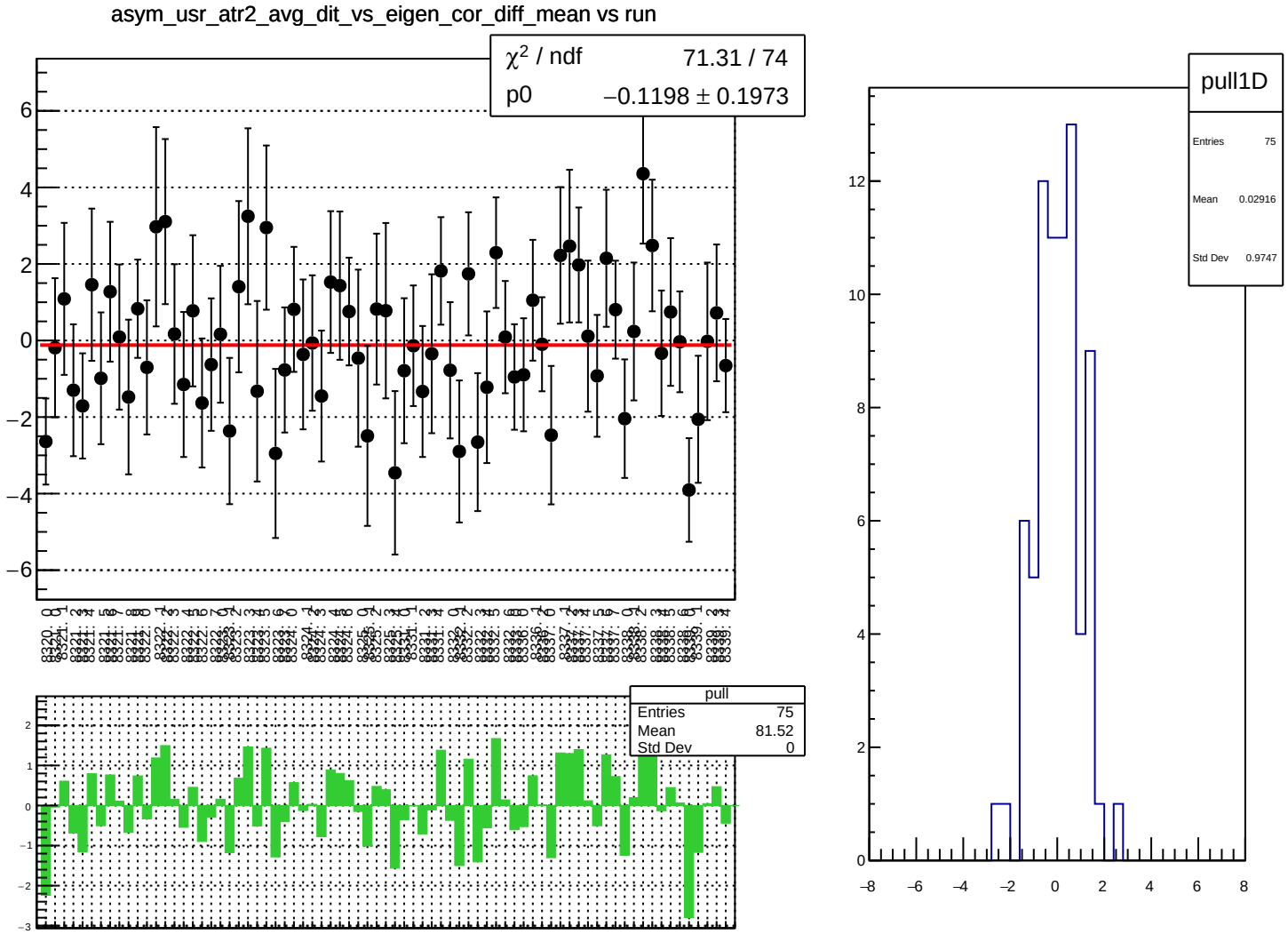

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.97 / 74
p0 −1.377e−12 ± 1.155e−12
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean 79.37
Std Dev 0
3
2
1
0
−1
−2
−3

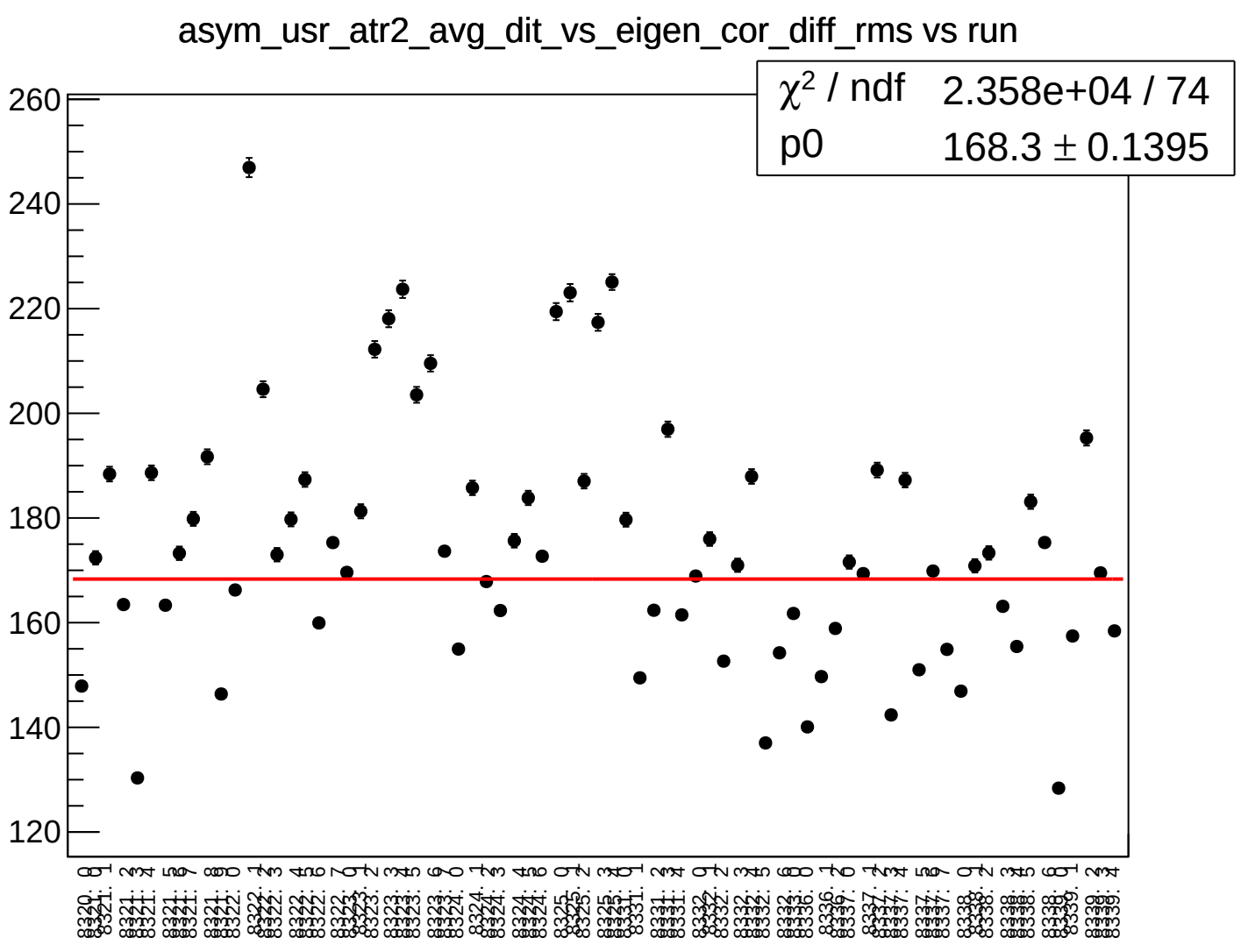

pull1D
Entries 75
Mean −0.07668
Std Dev 1.111
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

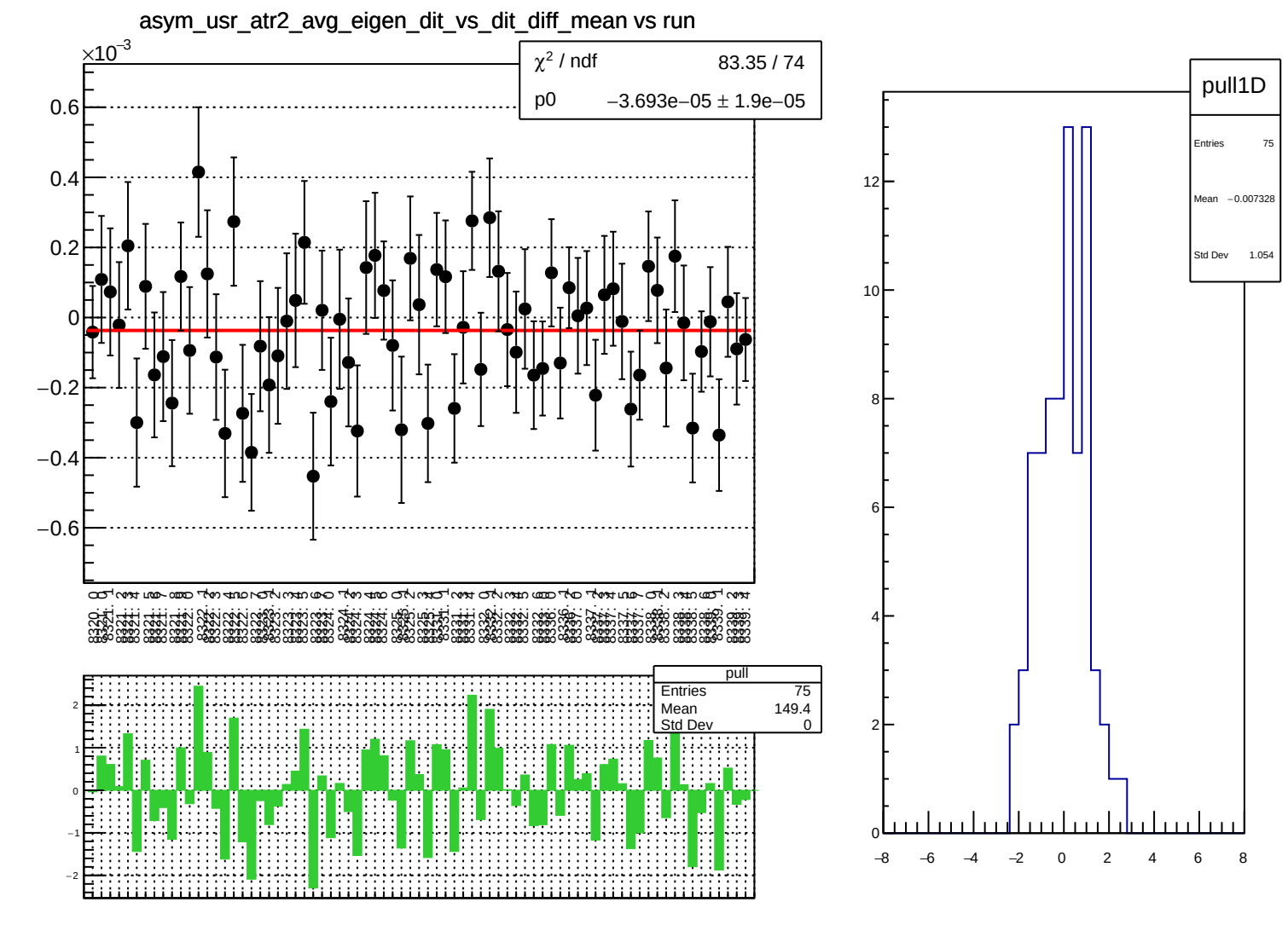

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.006e+05 / 74
p0 6.734e−10 ± 8.169e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

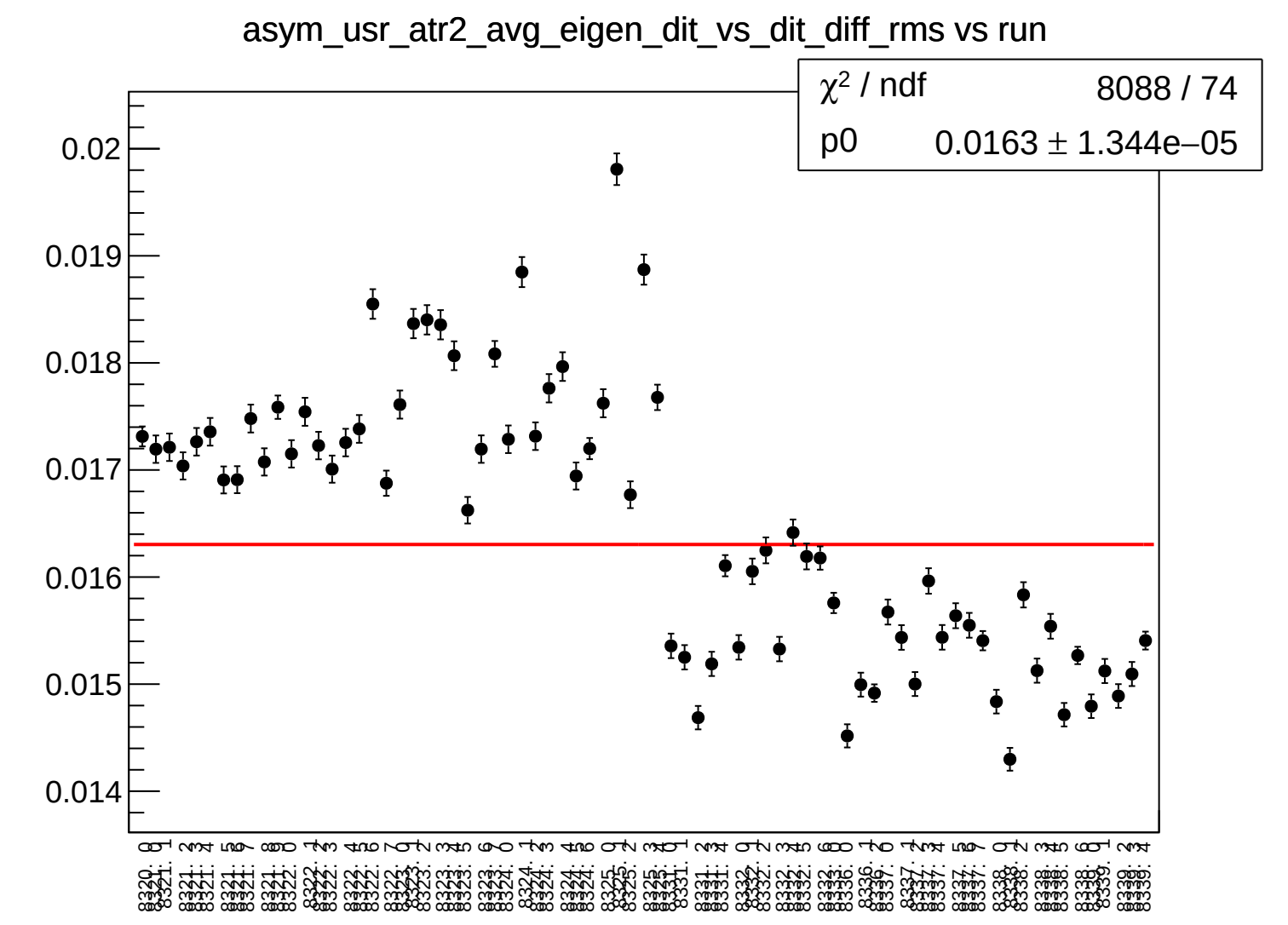

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 71.31 / 74
p0 −0.1198 ± 0.1973
pull
Entries 75
Mean 81.52
Std Dev 0
pull1D
Entries 75
Mean 0.02916
Std Dev 0.9747

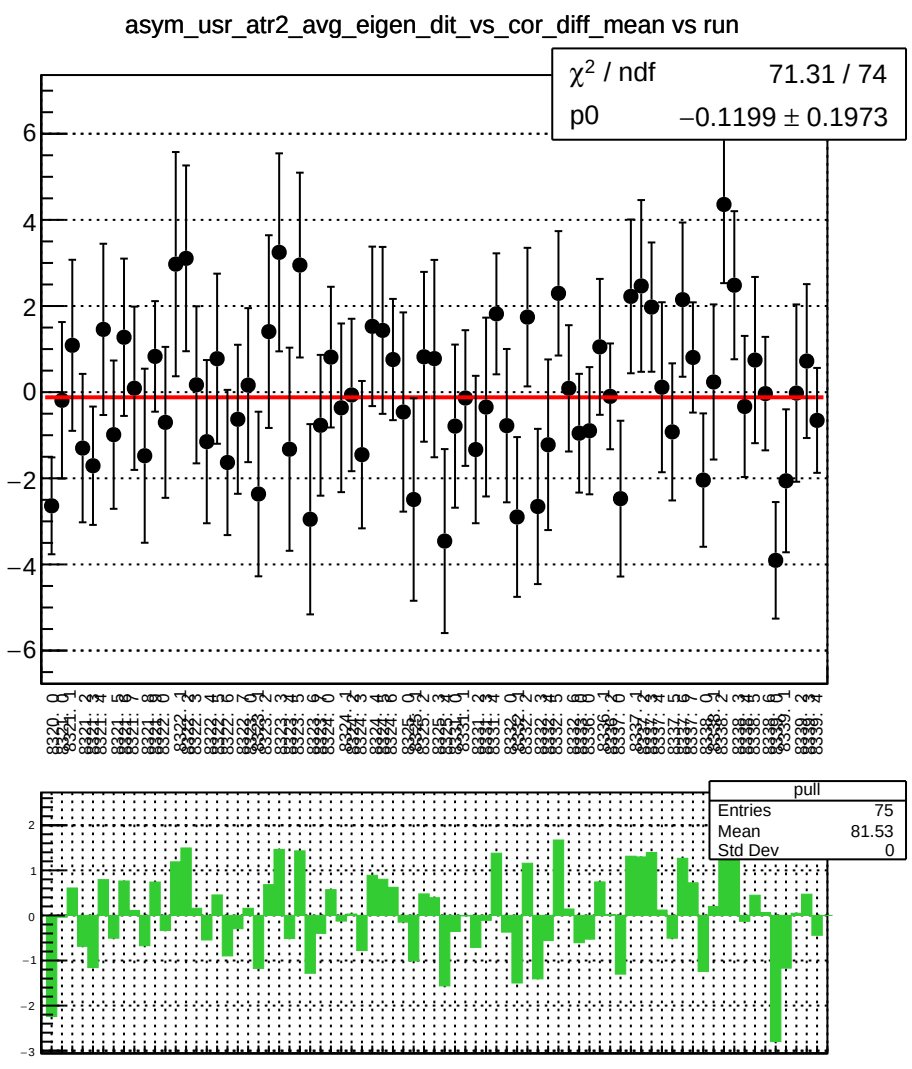

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.358e+04 / 74
p0 168.3 ± 0.1395
260
240
220
200
180
160
140
120

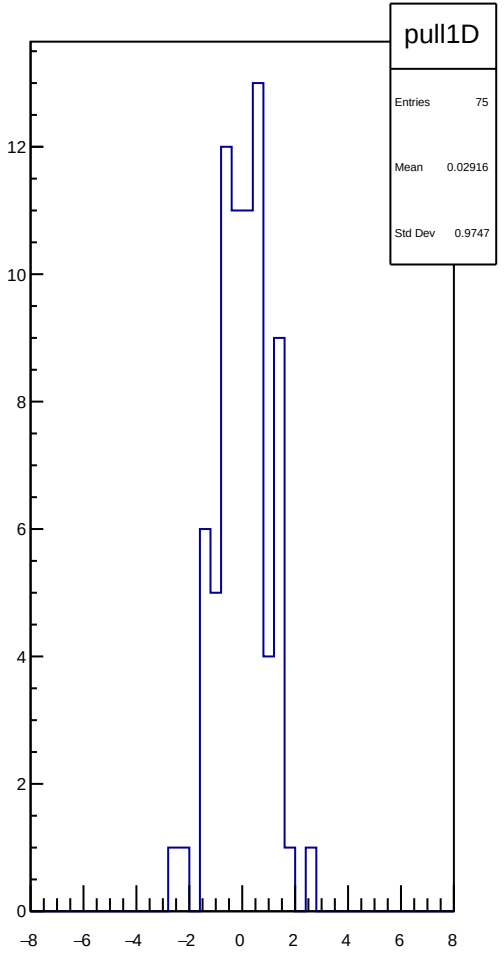

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.31 / 74
p0 −0.1198 ± 0.1973
pull
Entries 75
Mean 81.52
Std Dev 0
pull1D
Entries 75
Mean 0.02916
Std Dev 0.9747

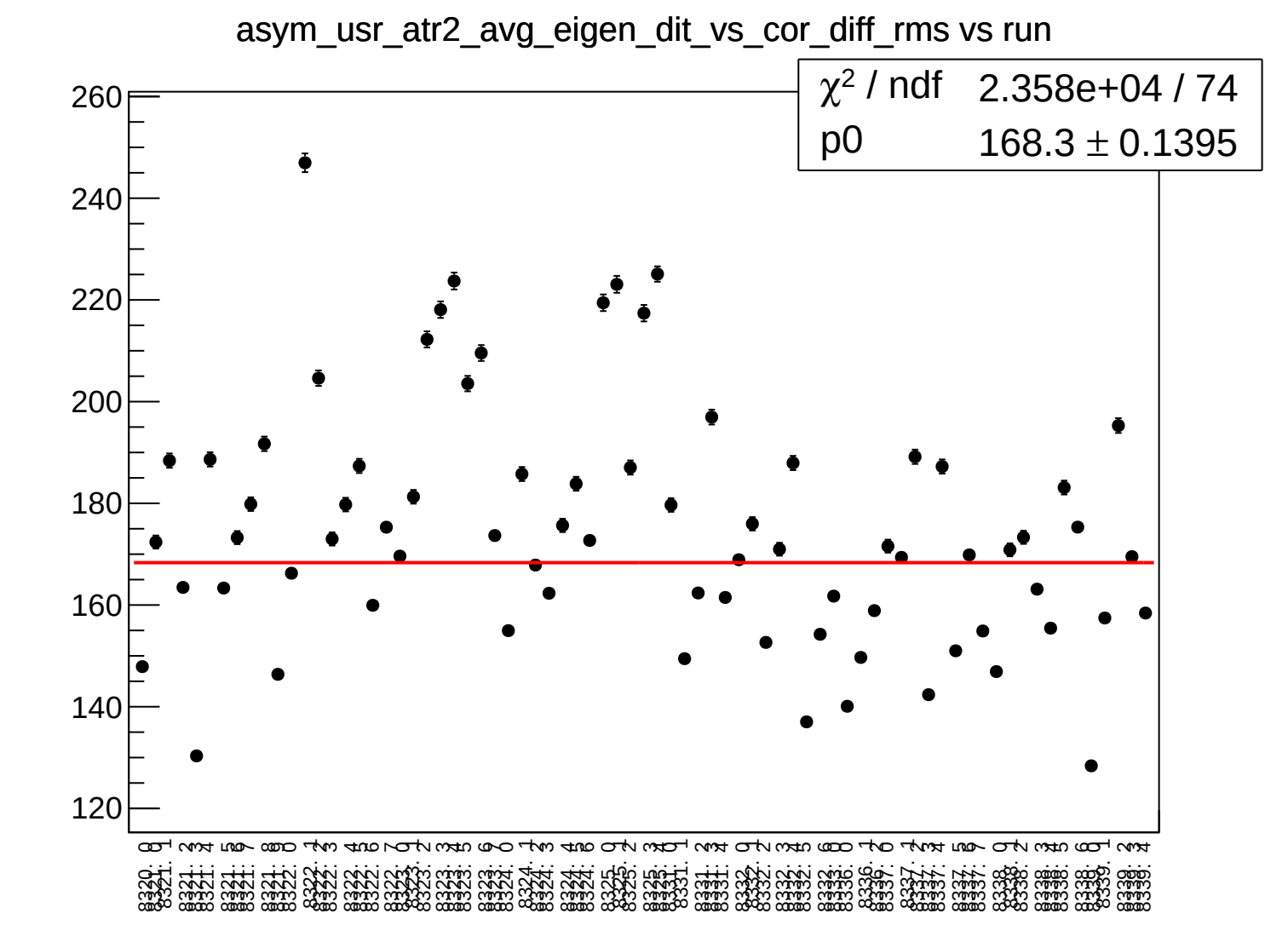

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.358e+04 / 74
p0 168.3 ± 0.1395
260
240
220
200
180
160
140
120

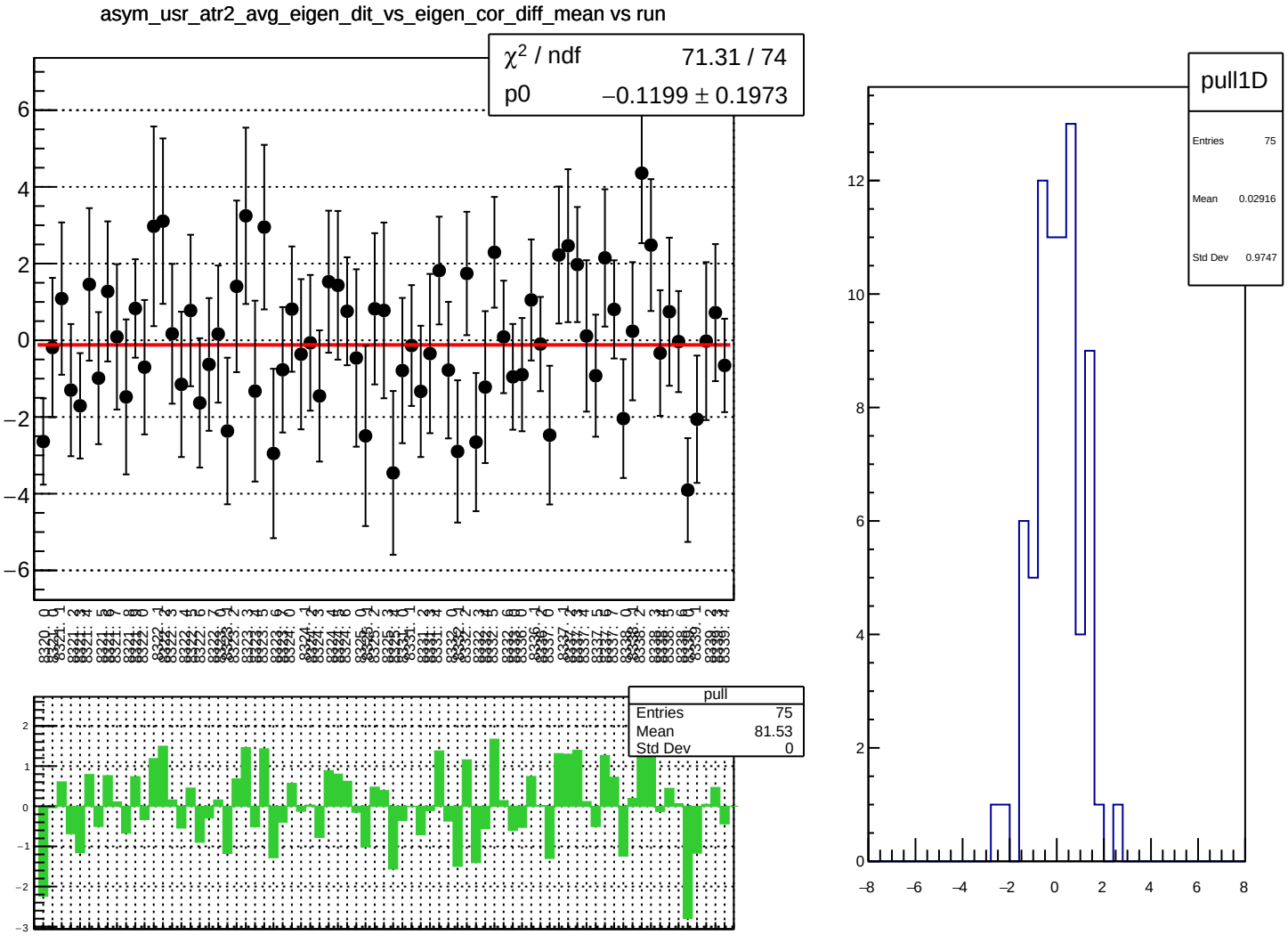

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.35 / 74
p0 −3.693e−05 ± 1.9e−05
pull
Entries 75
Mean 149.4
Std Dev 0
pull1D
Entries 75
Mean −0.007328
Std Dev 1.054

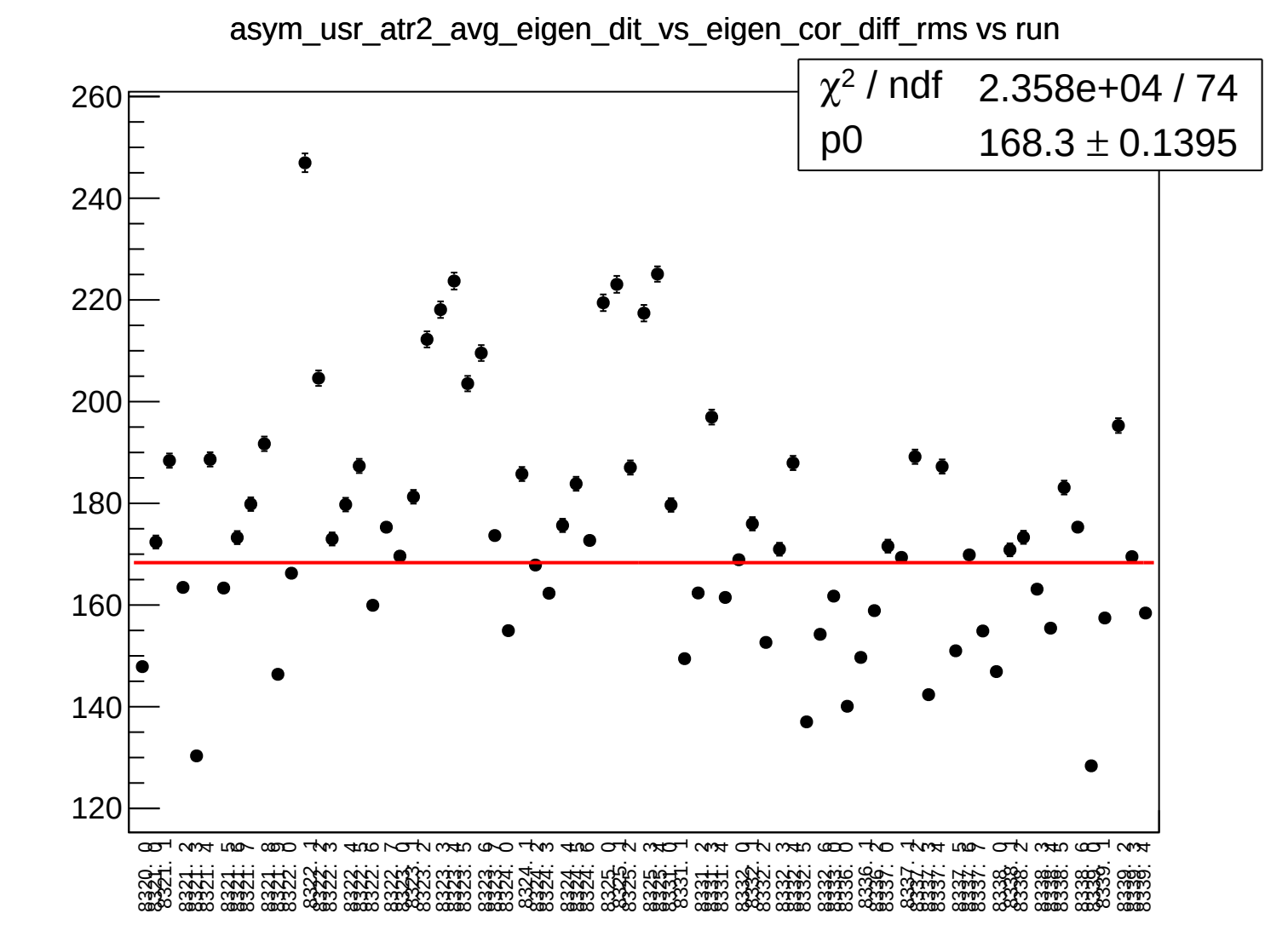

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 8088 / 74
p0 0.0163 ± 1.344e−05
0.02
0.019
0.018
0.017
0.016
0.015
0.014

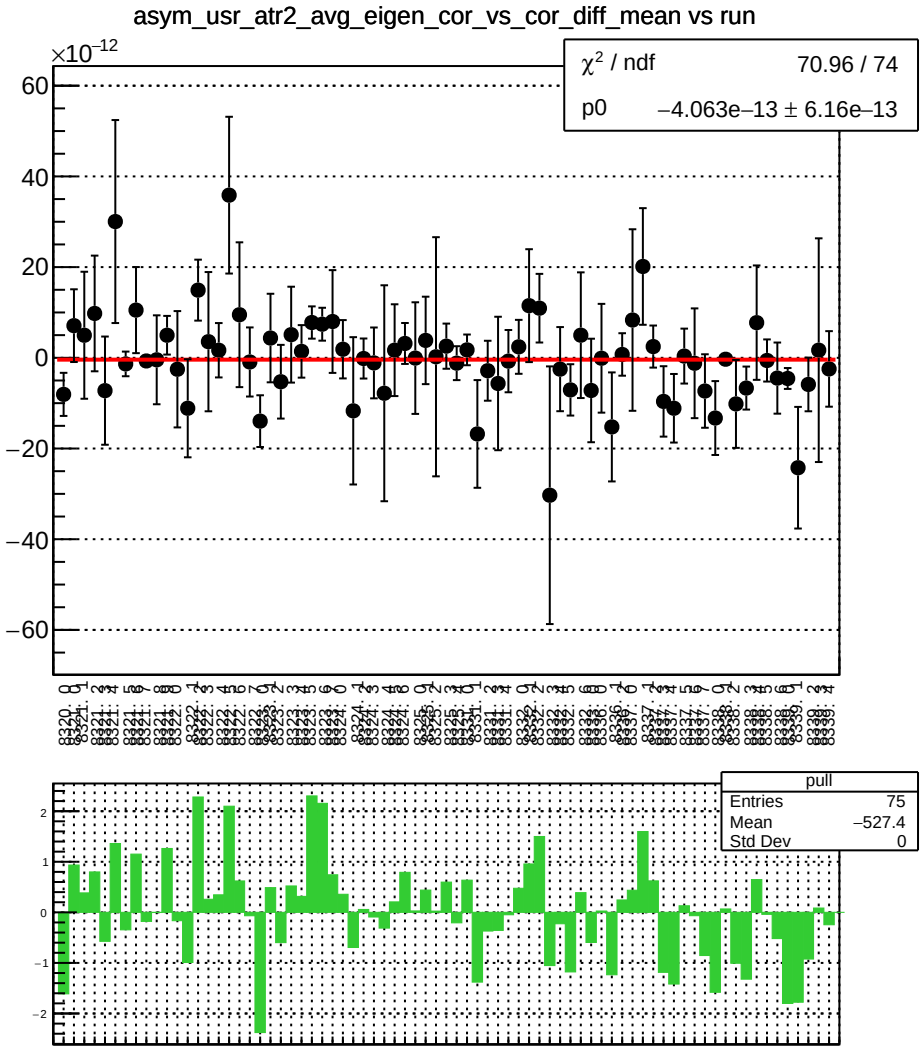

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.31 / 74
p0 −0.1199 ± 0.1973
pull
Entries 75
Mean 81.53
Std Dev 0

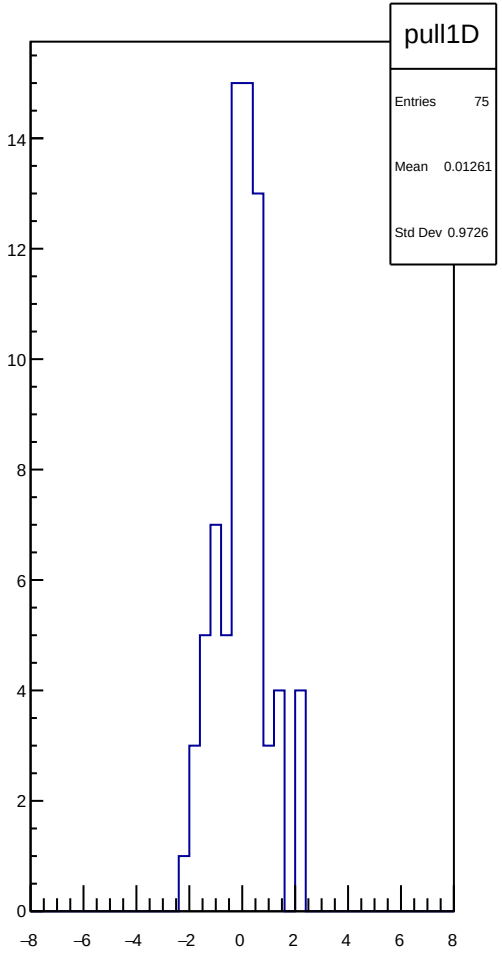

pull1D
Entries 75
Mean 0.02916
Std Dev 0.9747

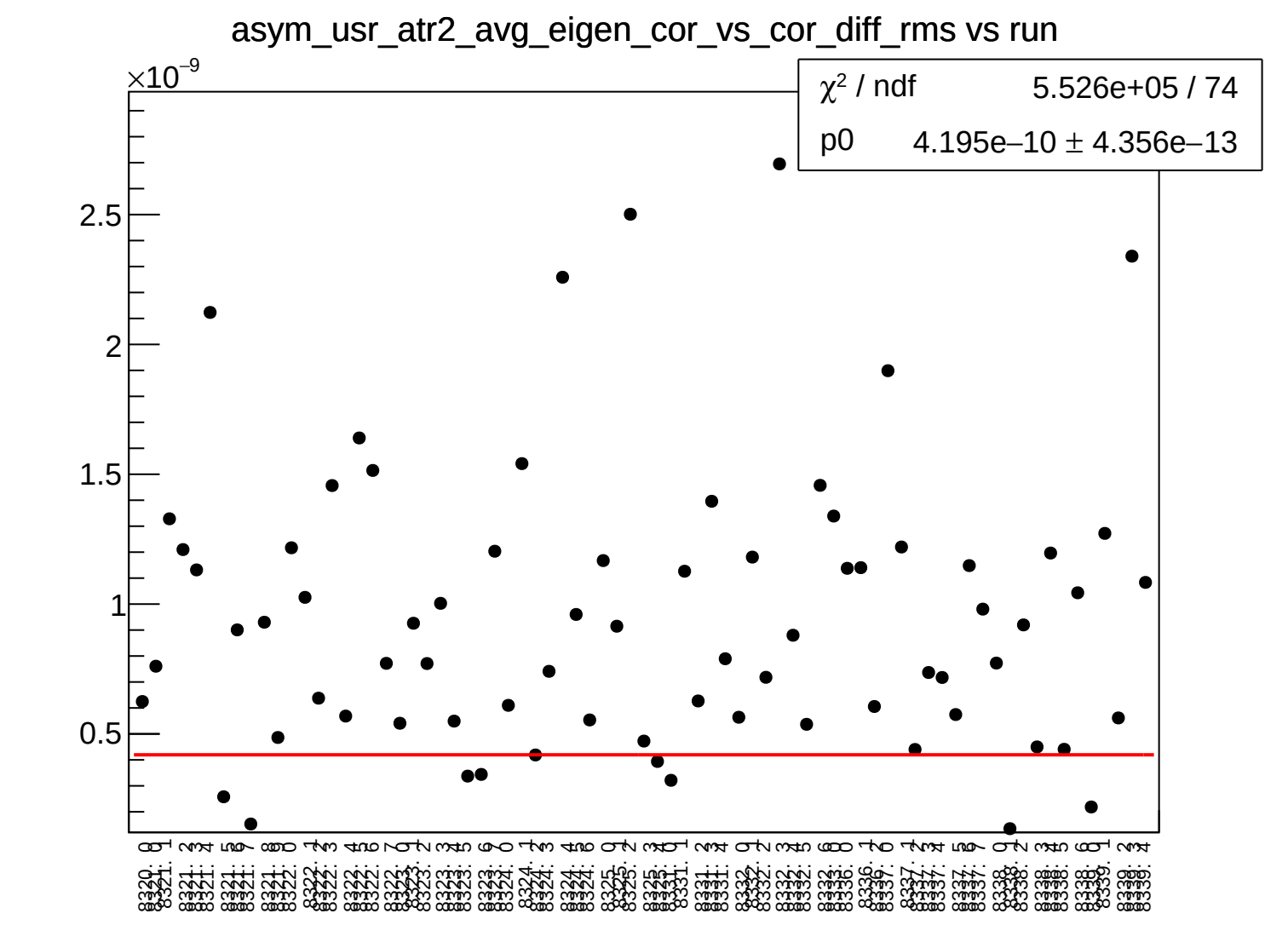

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.358e+04 / 74
p0 168.3 ± 0.1395
260
240
220
200
180
160
140
120

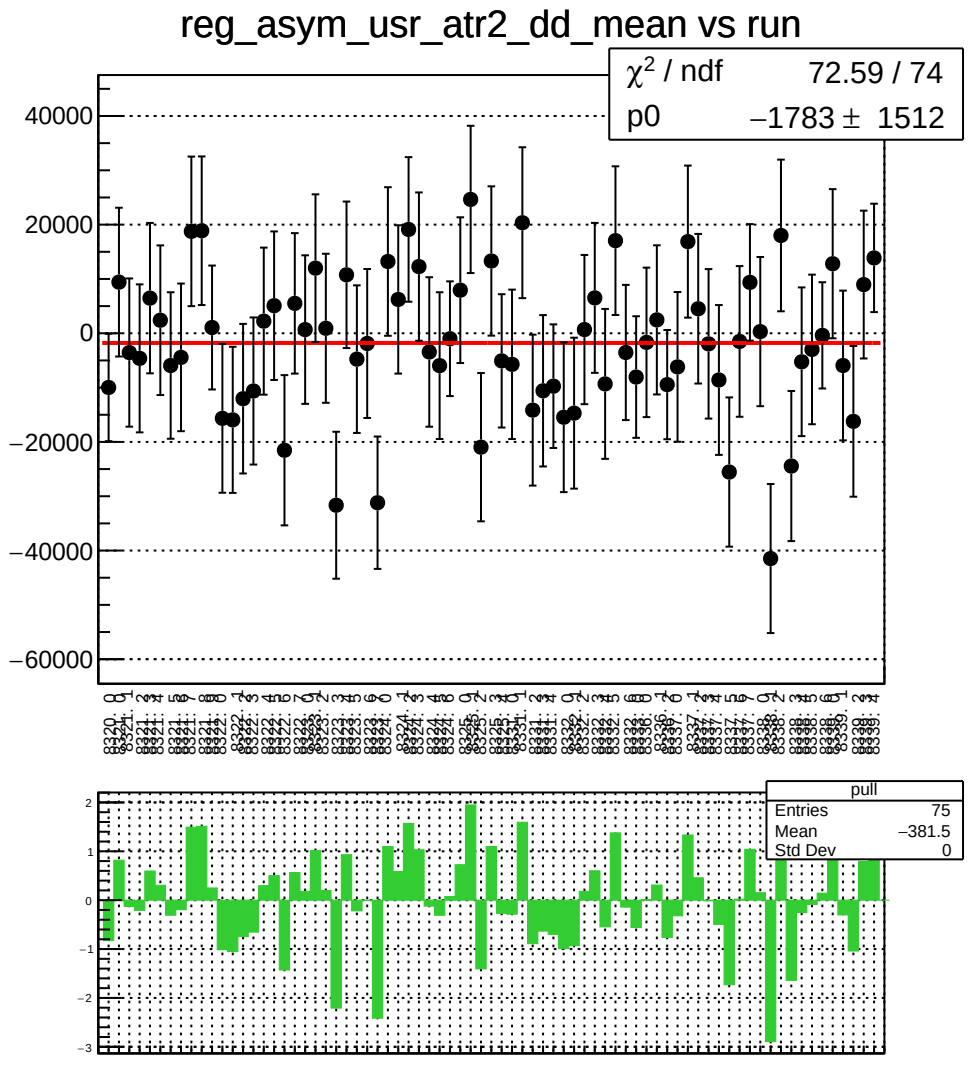

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.31 / 74
p0 −0.1199 ± 0.1973
pull
Entries 75
Mean 81.53
Std Dev 0
pull1D
Entries 75
Mean 0.02916
Std Dev 0.9747

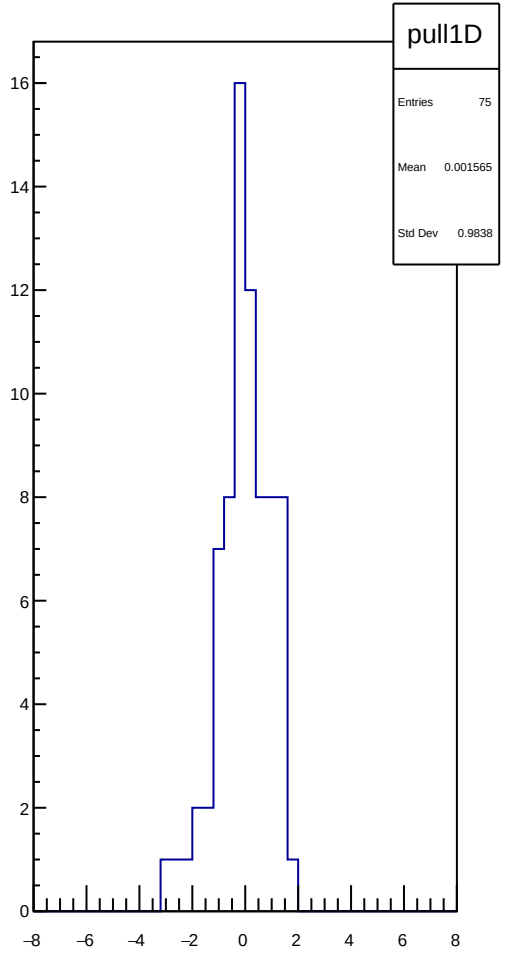

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.358e+04 / 74
p0 168.3 ± 0.1395
260
240
220
200
180
160
140
120

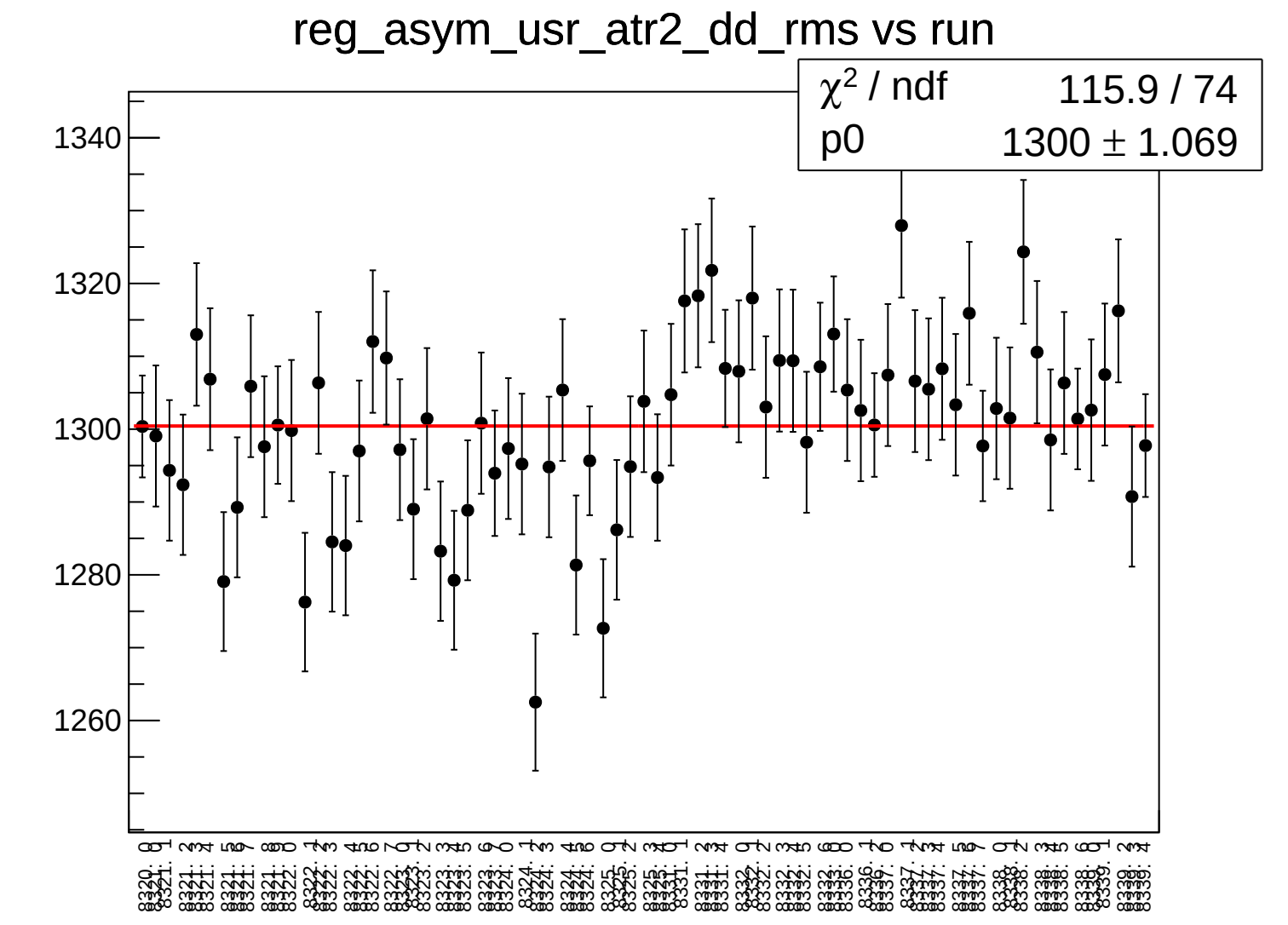

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.96 / 74
p0 −4.063e−13 ± 6.16e−13
pull
Entries 75
Mean −527.4
Std Dev 0

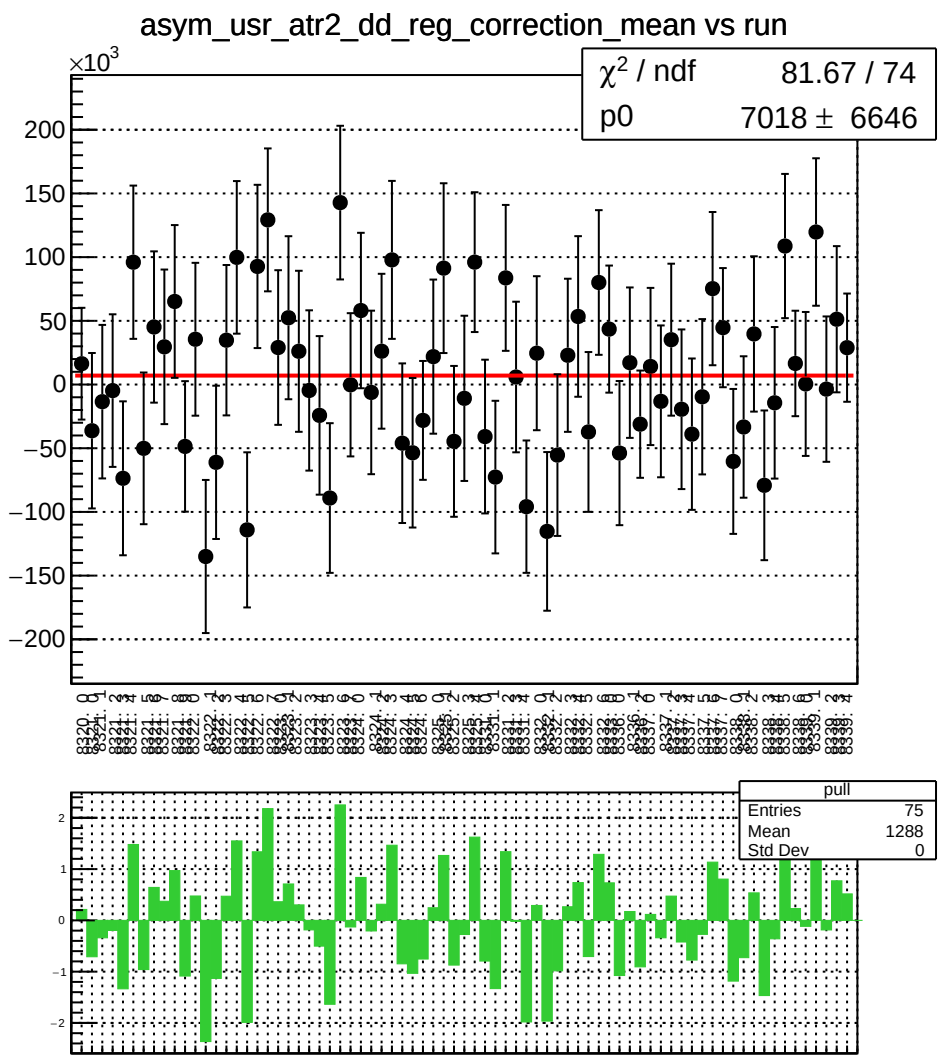

pull1D
Entries 75
Mean 0.01261
Std Dev 0.9726

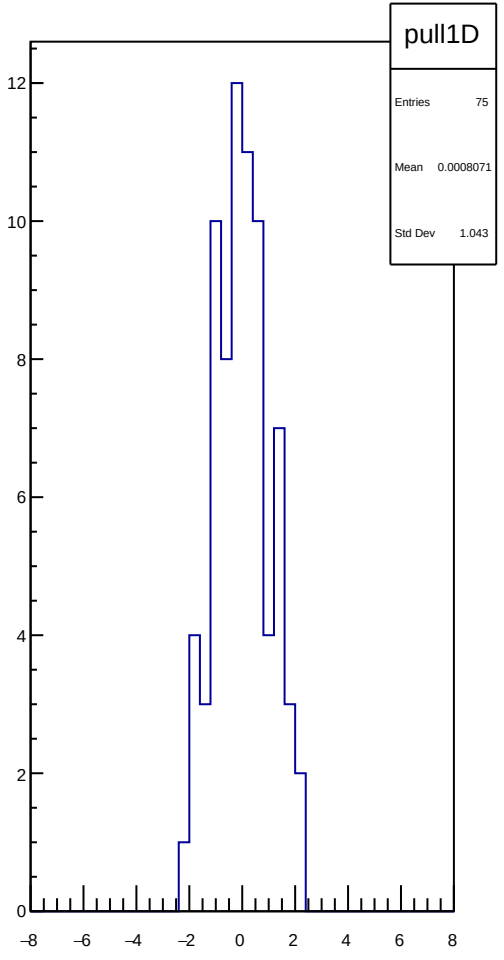

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.526e+05 / 74
p0 4.195e−10 ± 4.356e−13
2.5
2
1.5
1
0.5

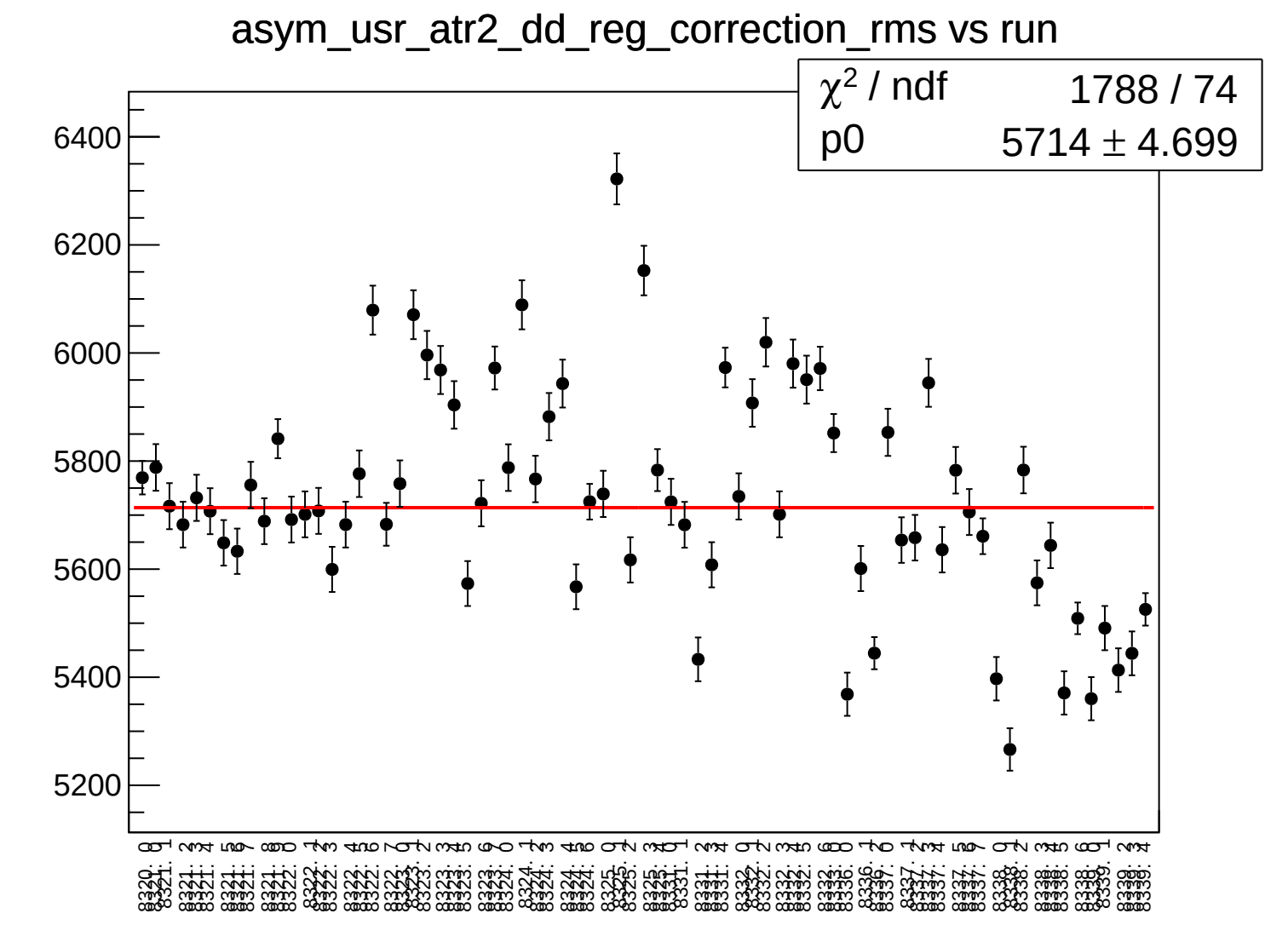

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 72.59 / 74
p0 −1783 ± 1512
pull
Entries 75
Mean −381.5
Std Dev 0

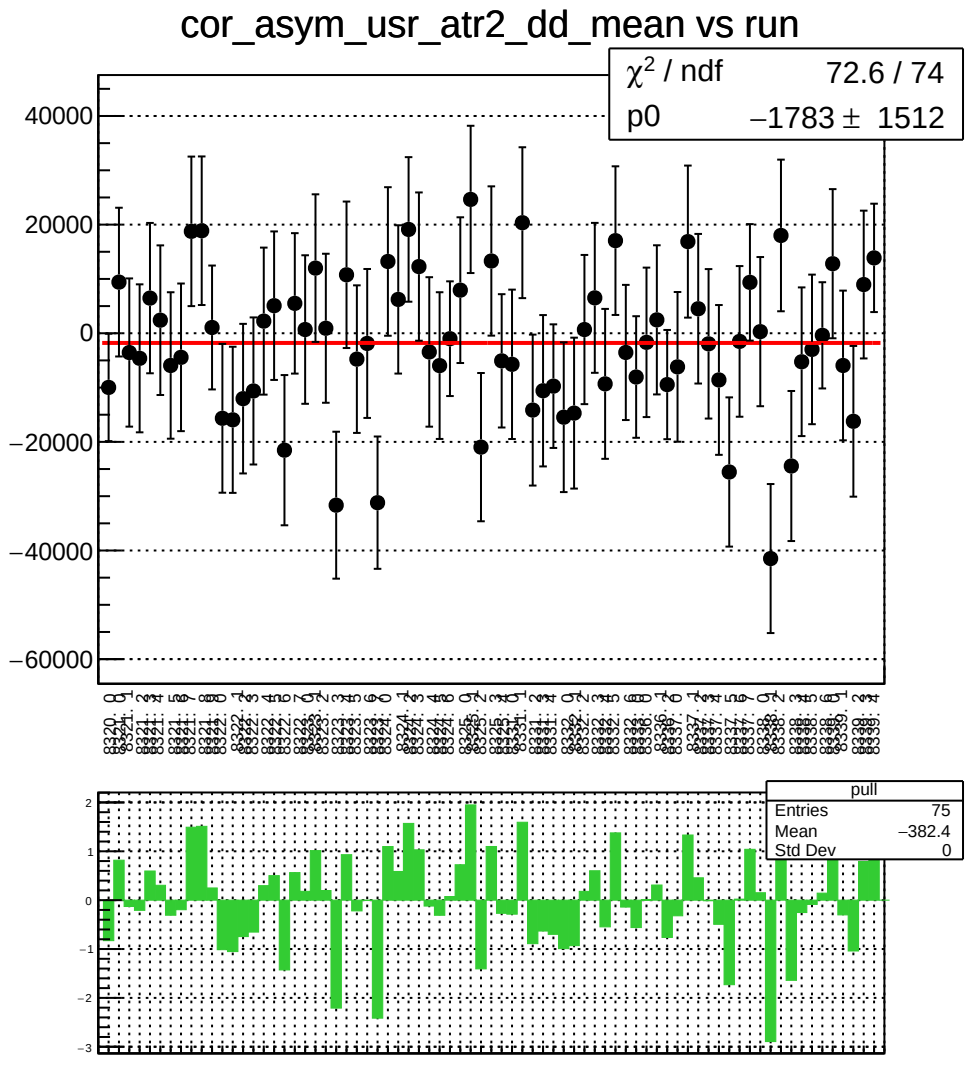

pull1D
Entries 75
Mean 0.001565
Std Dev 0.9838

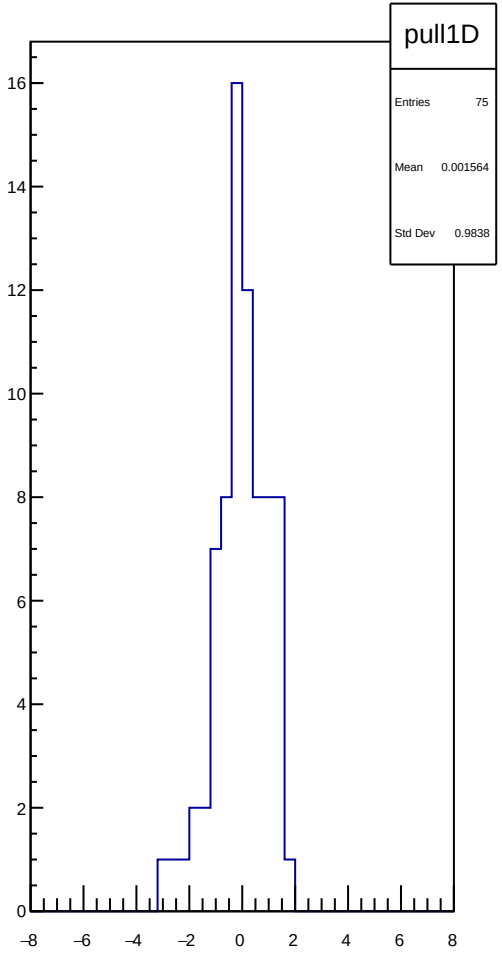

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 115.9 / 74
p0 1300 ± 1.069
1340
1320
1300
1280
1260

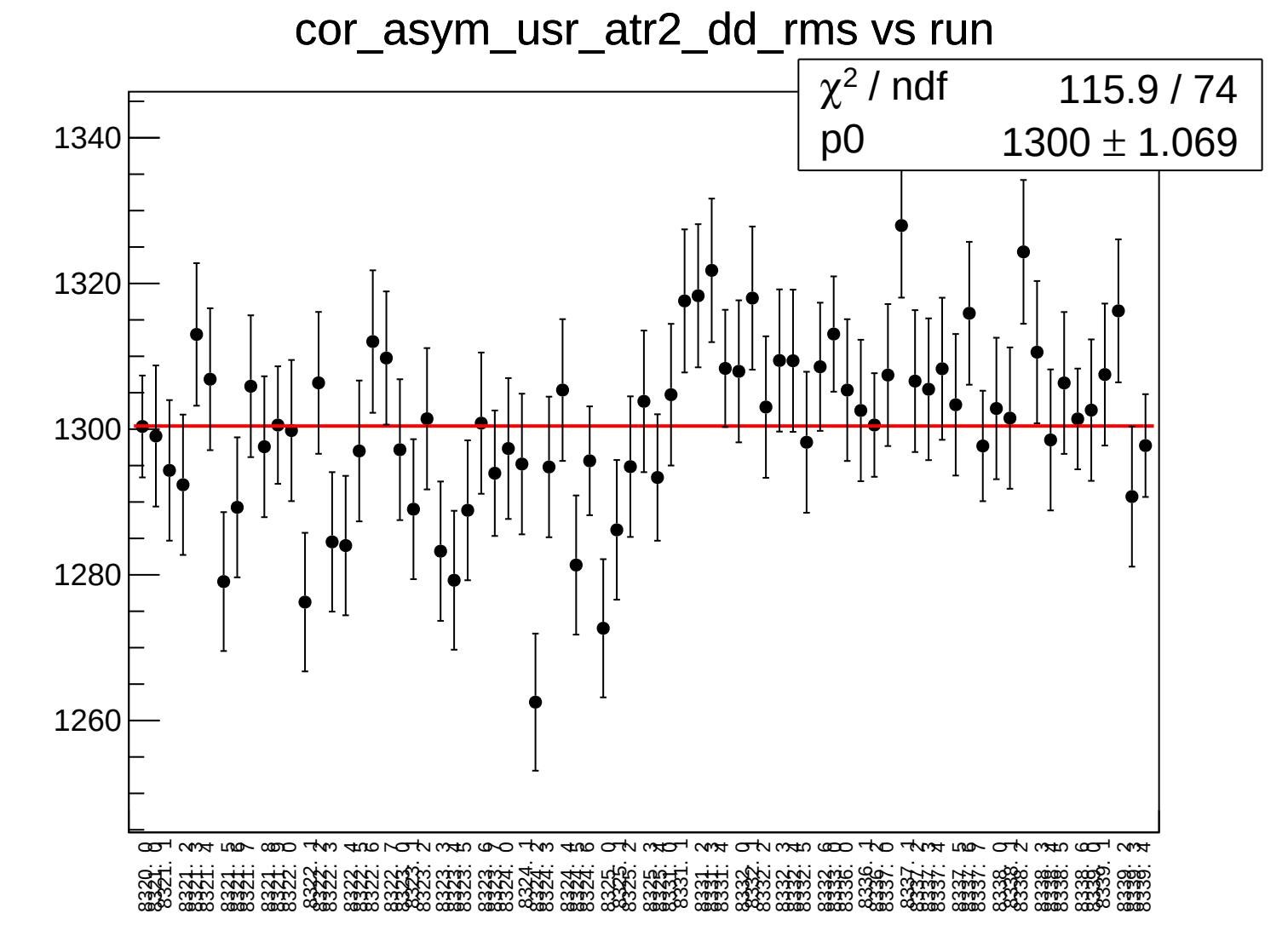

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.67 / 74
p0 7018 ± 6646
pull
Entries 75
Mean 1288
Std Dev 0

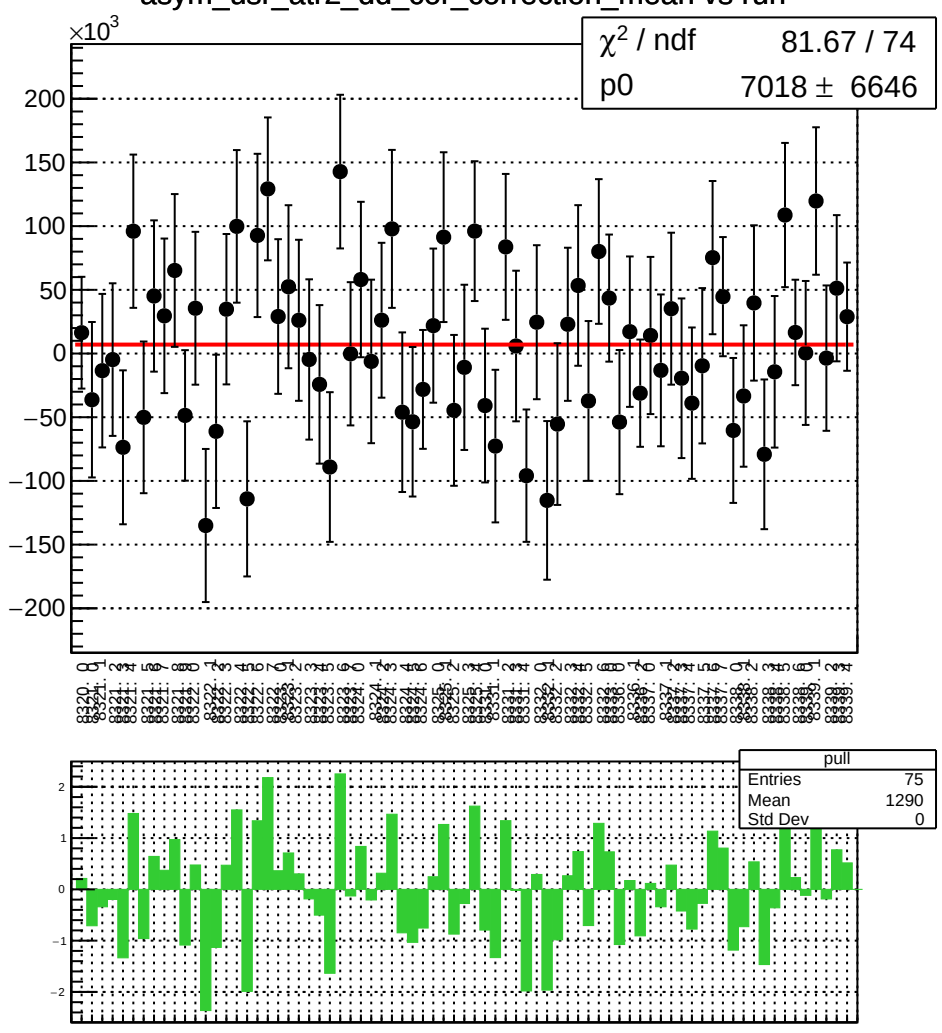

pull1D
Entries 75
Mean 0.0008071
Std Dev 1.043

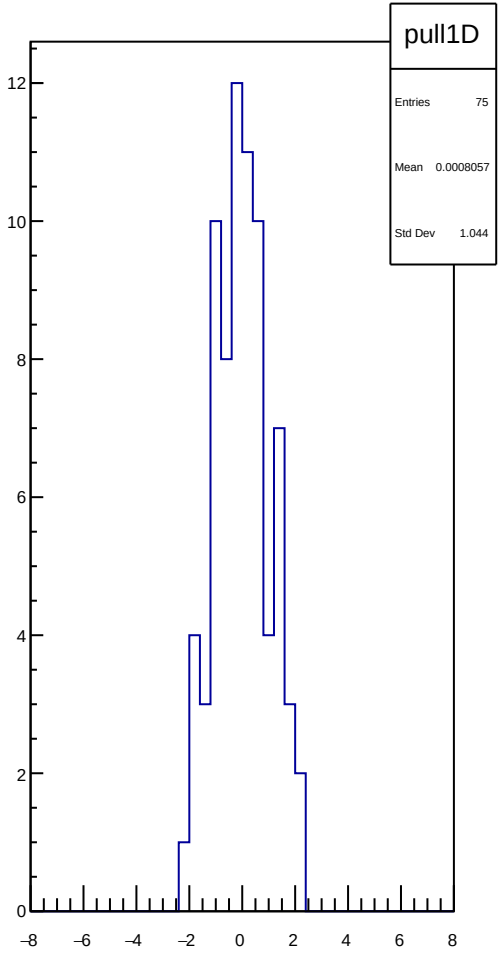

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1788 / 74
p0 5714 ± 4.699
6400
6200
6000
5800
5600
5400
5200

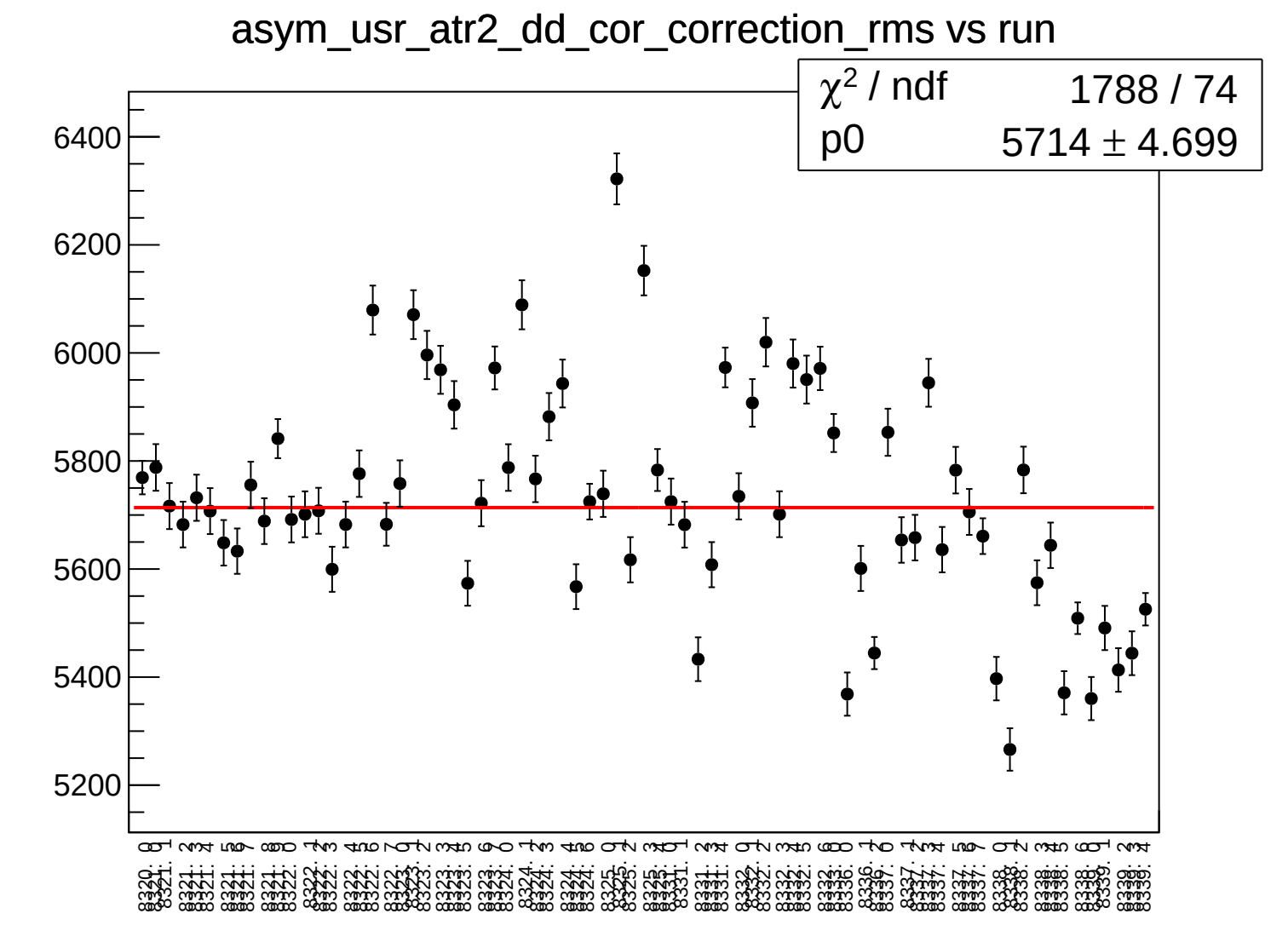

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 72.6 / 74
p0 −1783 ± 1512
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −382.4
Std Dev 0
2
1
0
−1
−2
−3

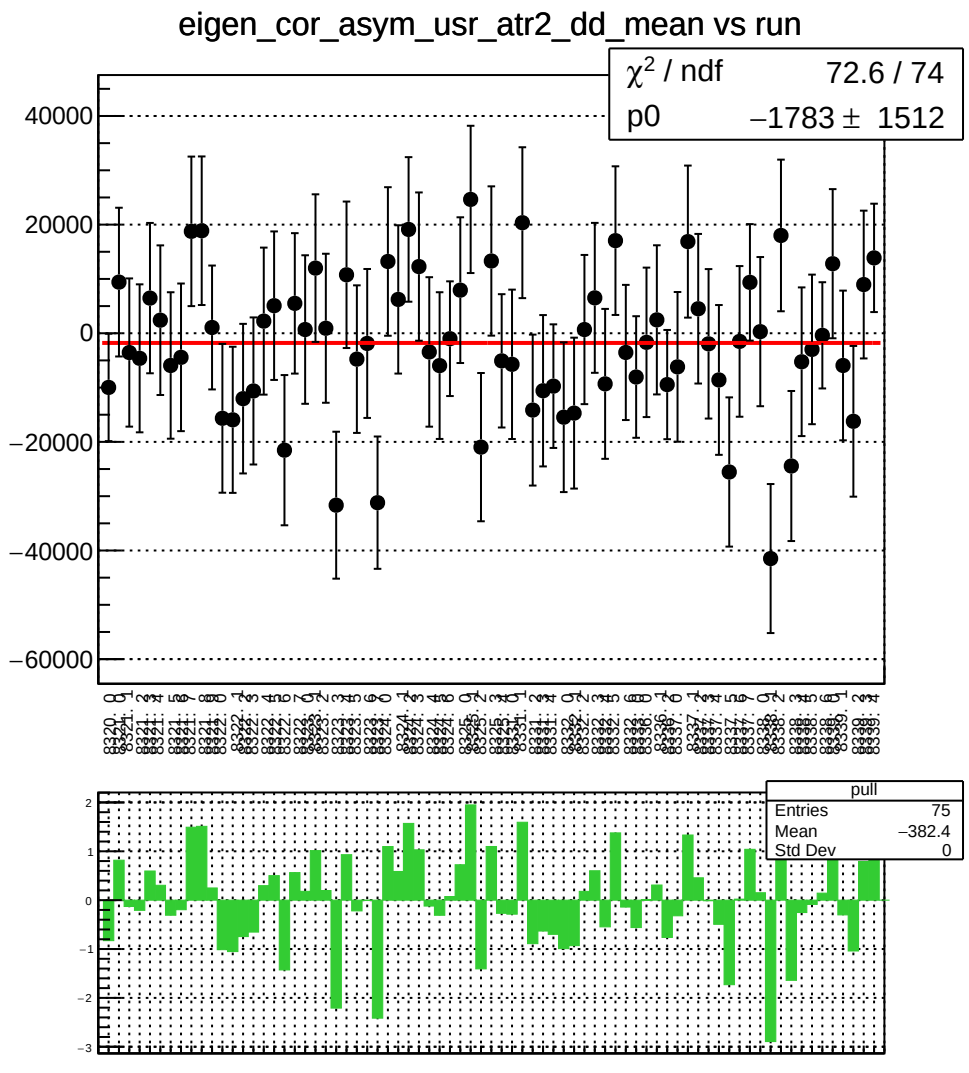

pull1D
Entries 75
Mean 0.001564
Std Dev 0.9838
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

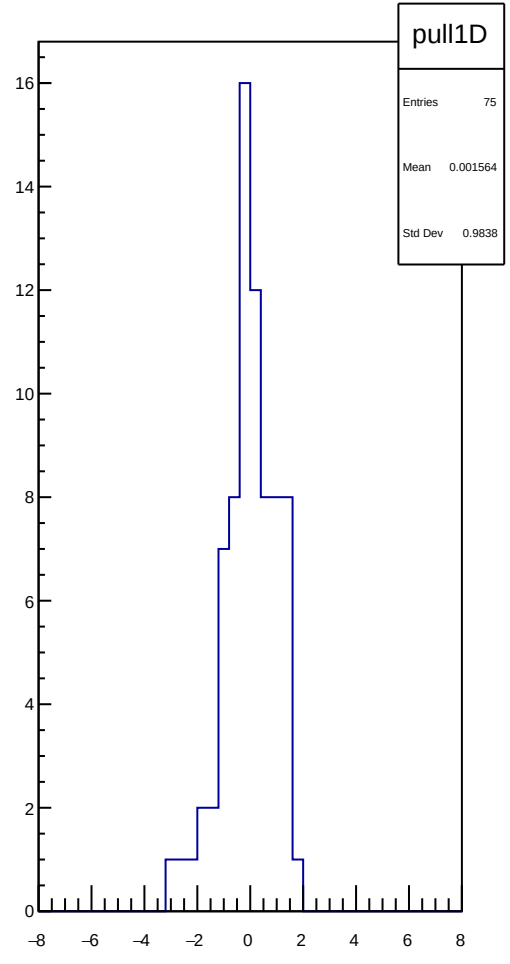

cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 115.9 / 74
p0 1300 ± 1.069
1340
1320
1300
1280
1260

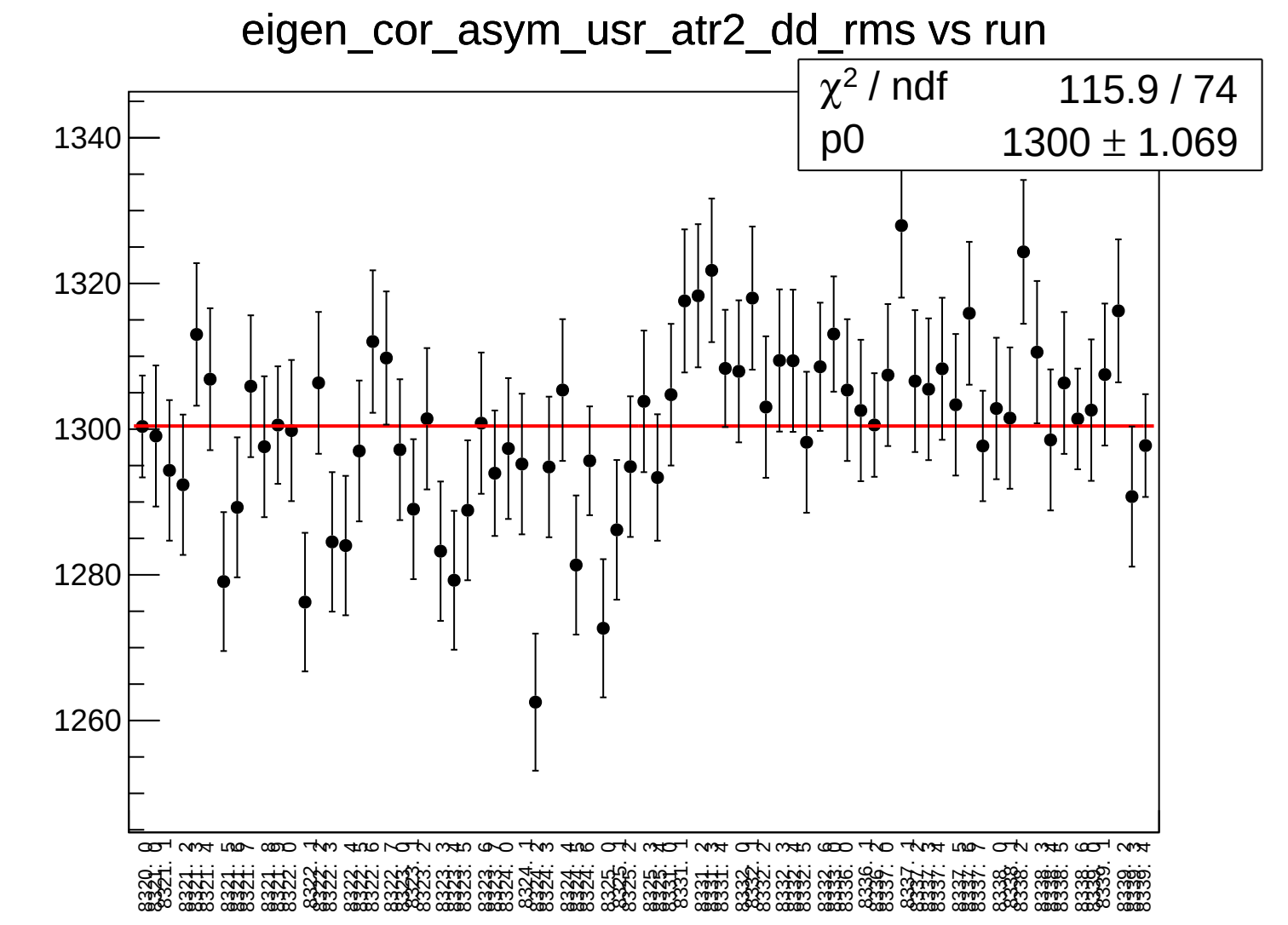

asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.67 / 74
p0 7018 ± 6646
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 1290
Std Dev 0
2
1
0
−1
−2

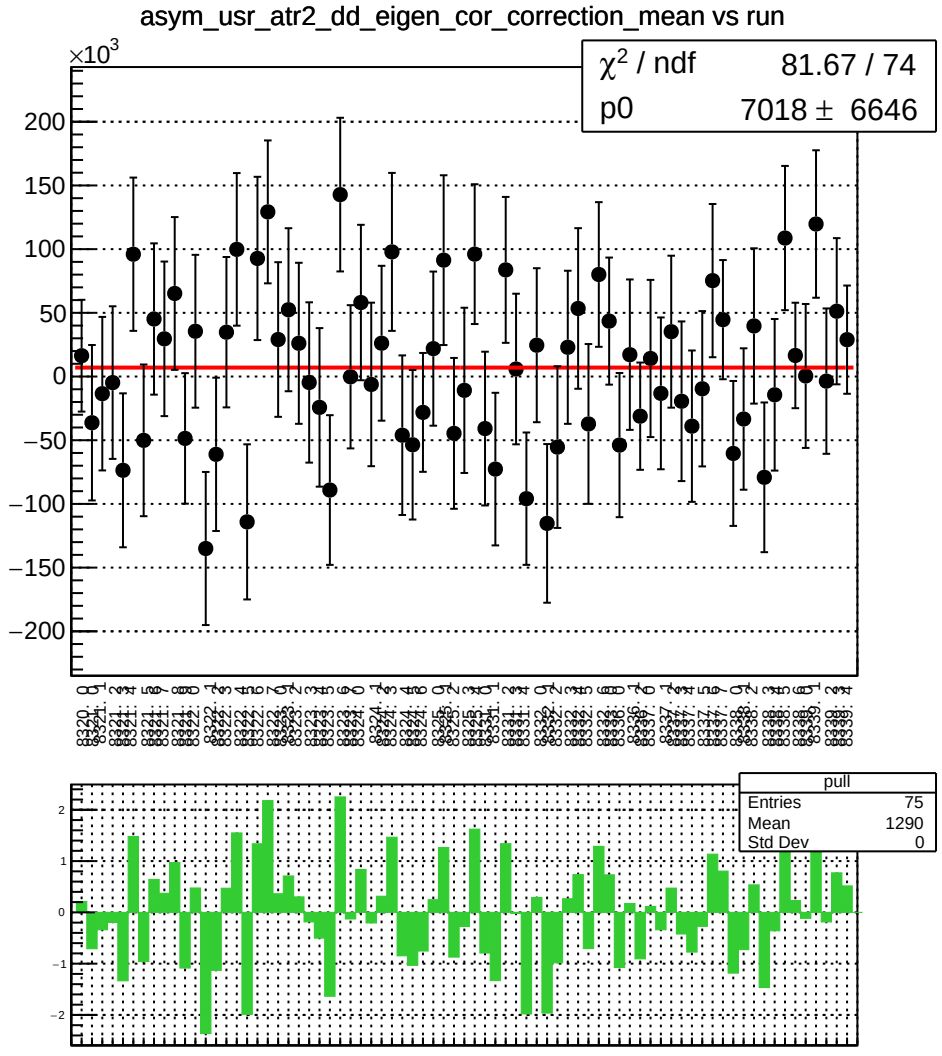

pull1D
Entries 75
Mean 0.0008057
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

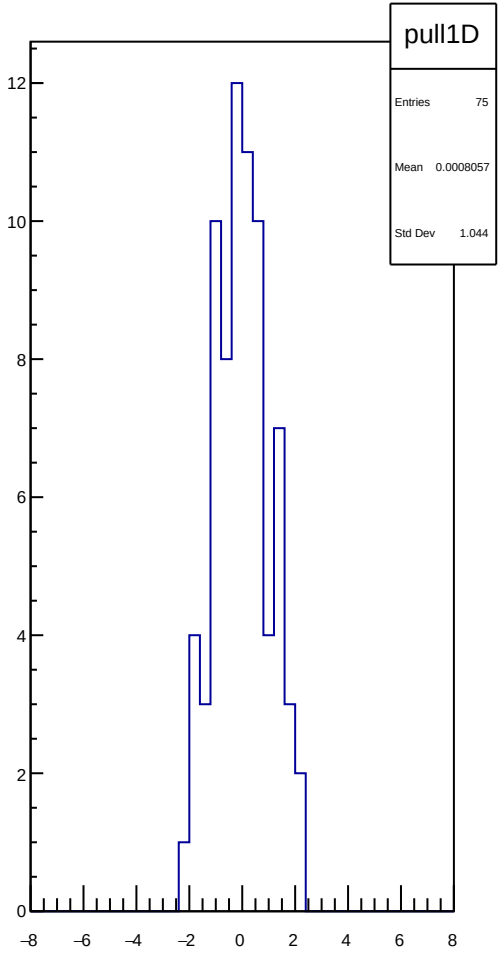

asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1788 / 74
p0 5714 ± 4.699
6400
6200
6000
5800
5600
5400
5200

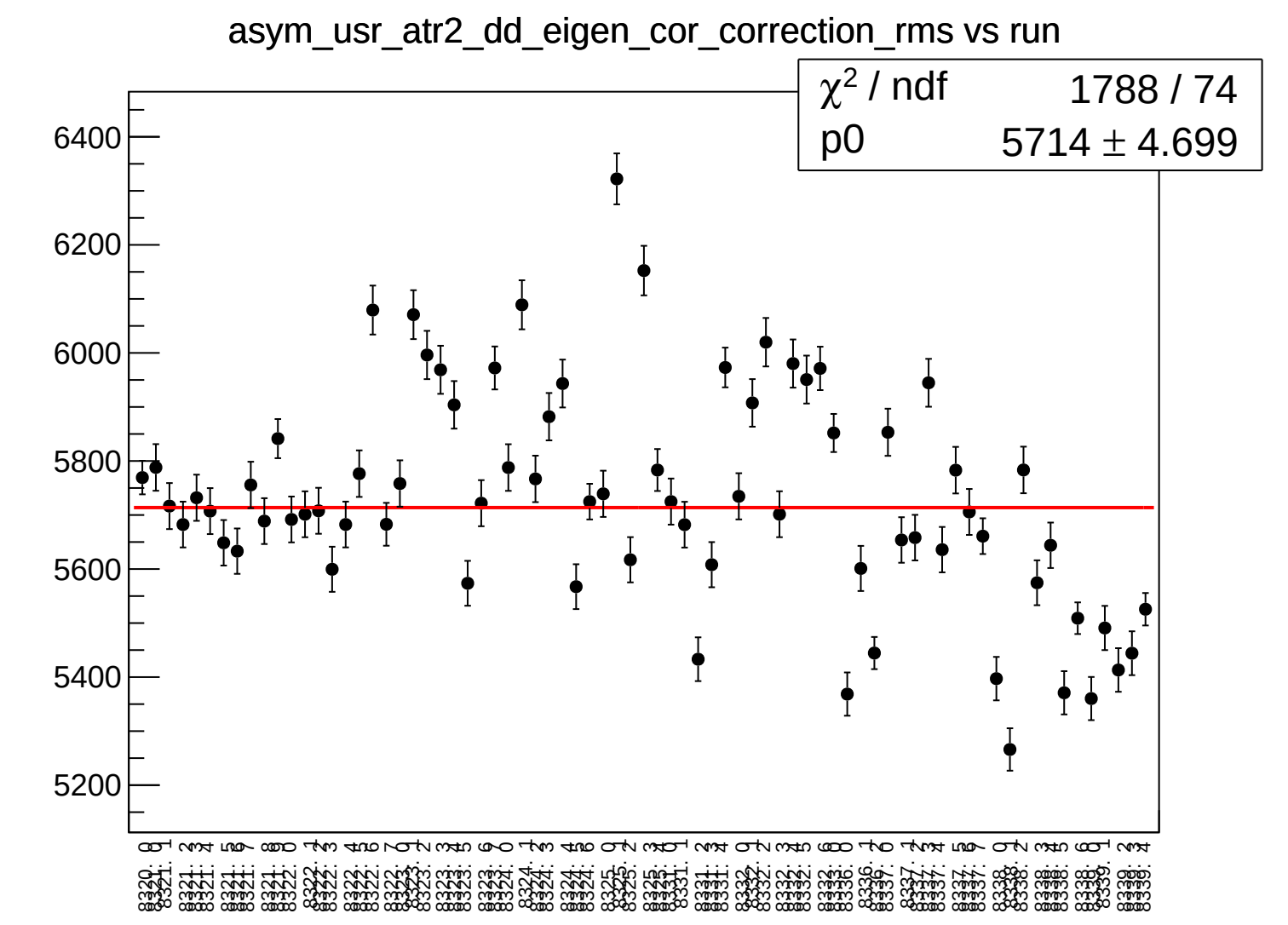

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 72.6 / 74
p0 −1783 ± 1512
pull
Entries 75
Mean −382.4
Std Dev 0

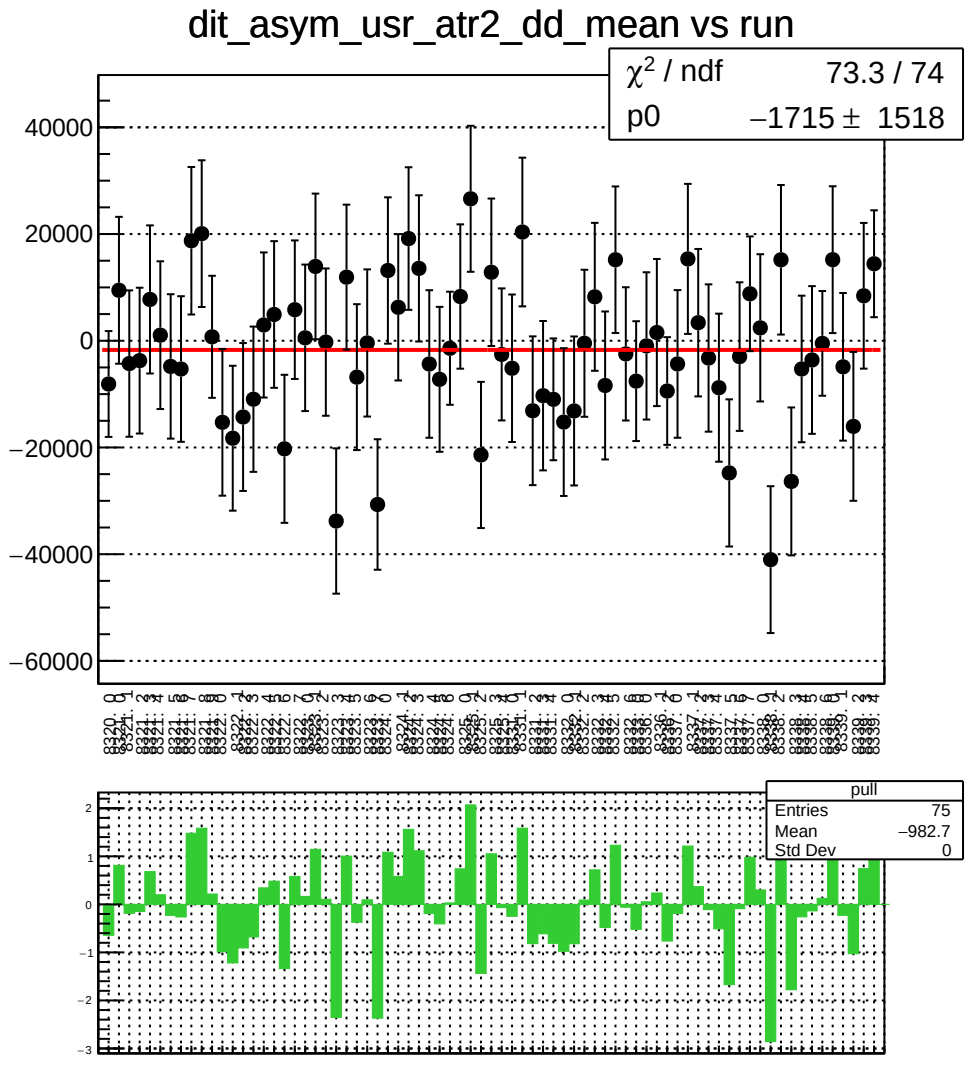

pull1D
Entries 75
Mean 0.001564
Std Dev 0.9838

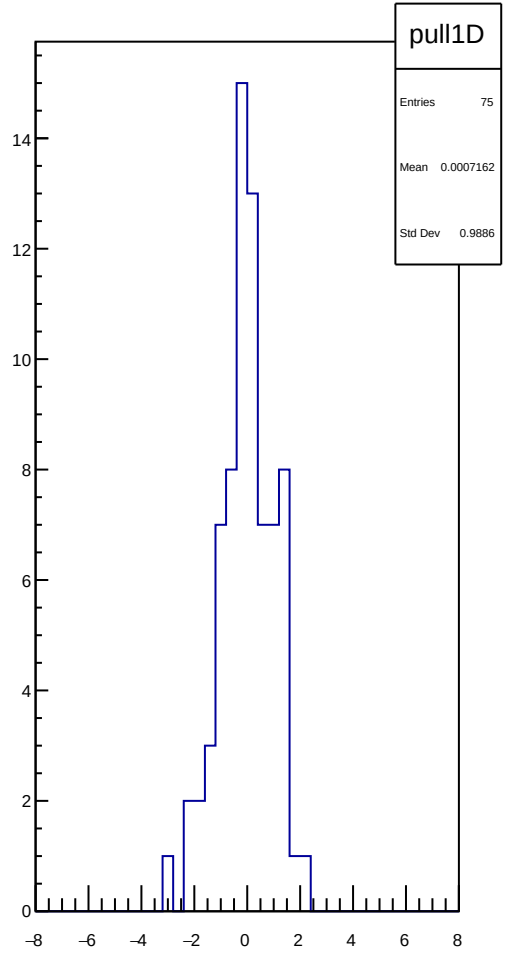

eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 115.9 / 74
p0 1300 ± 1.069
1340
1320
1300
1280
1260

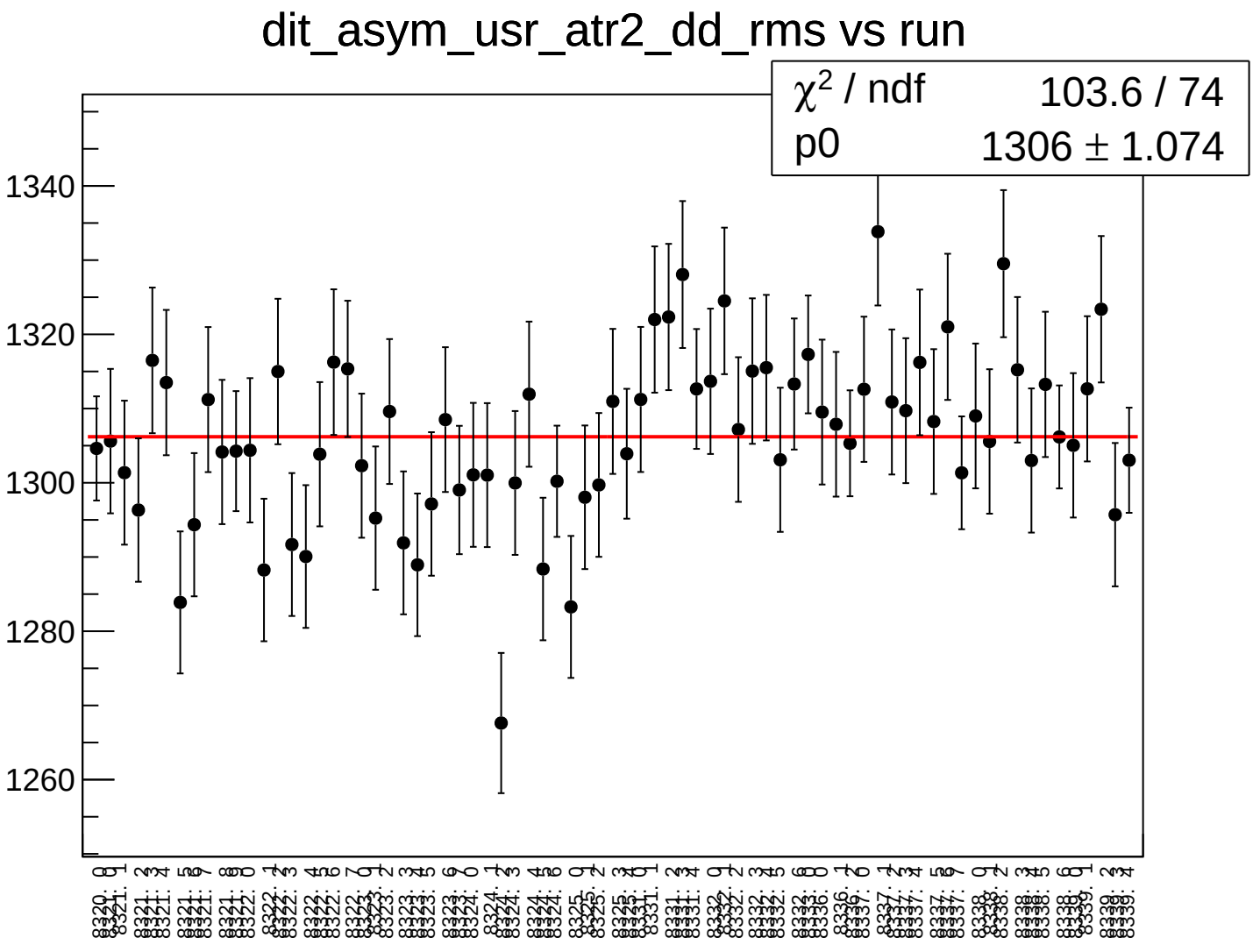

asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 81.67 / 74
p0 7018 ± 6646
pull
Entries 75
Mean 1290
Std Dev 0

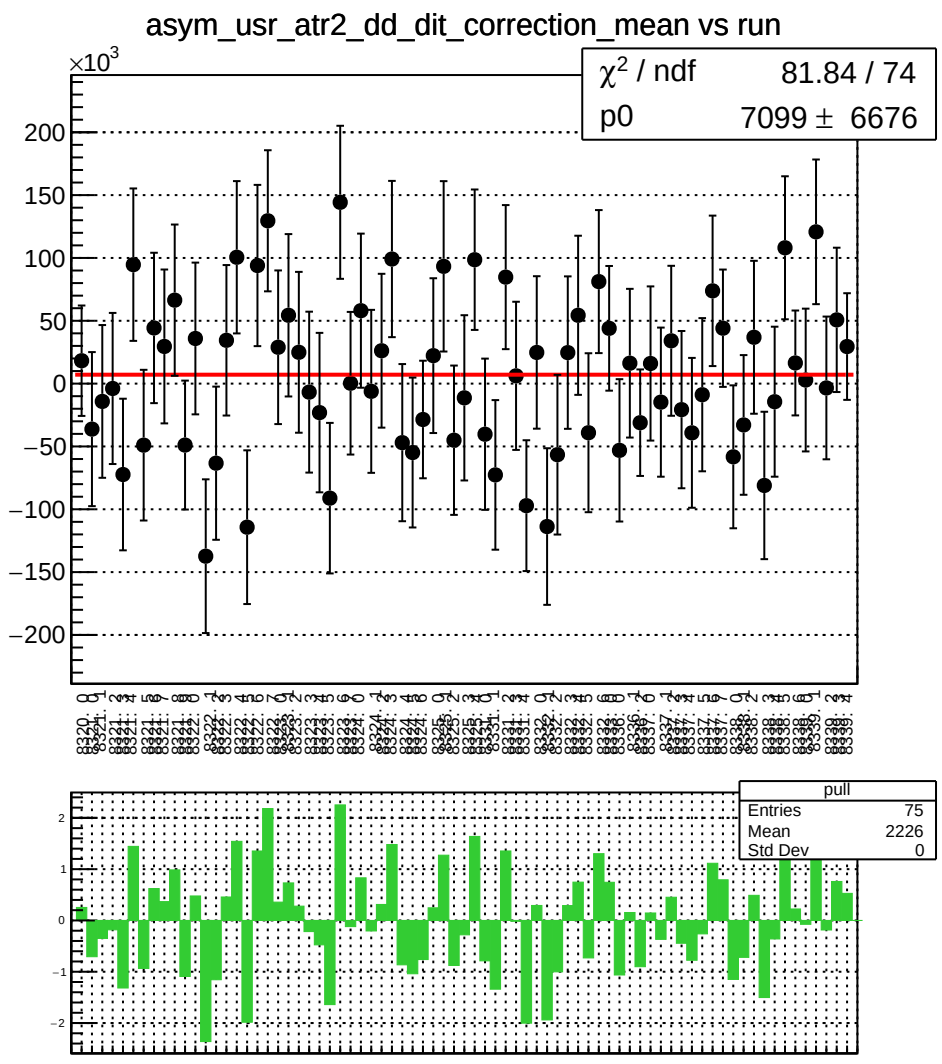

pull1D
Entries 75
Mean 0.0008057
Std Dev 1.044

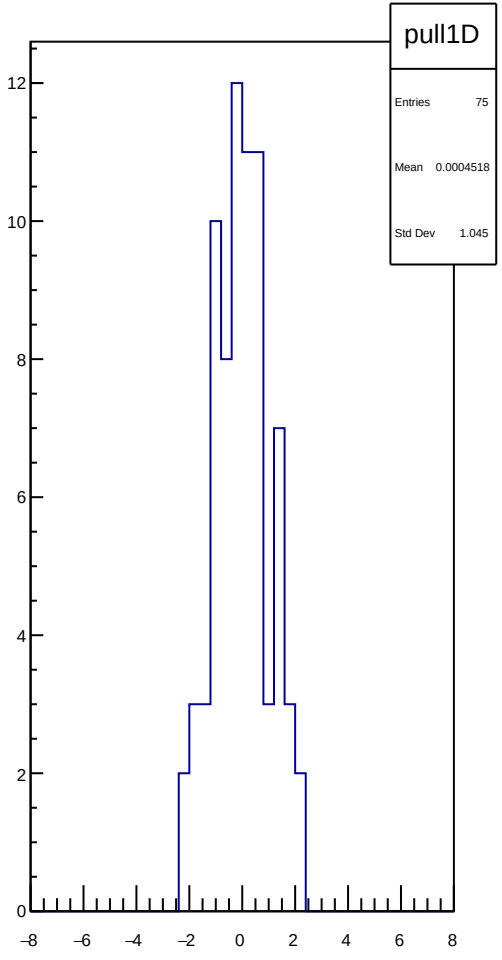

asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1788 / 74
p0 5714 ± 4.699
6400
6200
6000
5800
5600
5400
5200

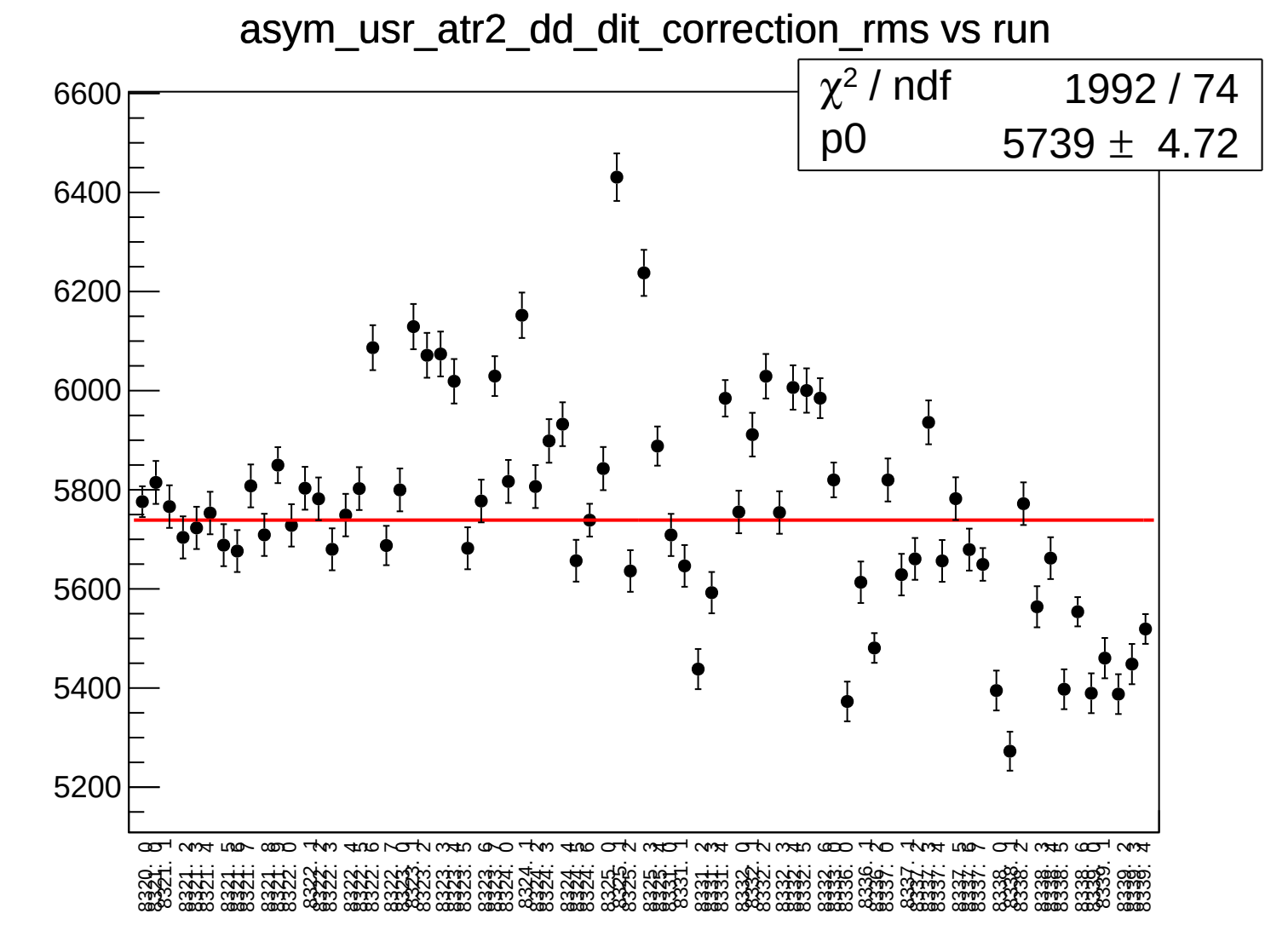

dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 73.3 / 74
p0 −1715 ± 1518
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −982.7
Std Dev 0
2
1
0
−1
−2
−3

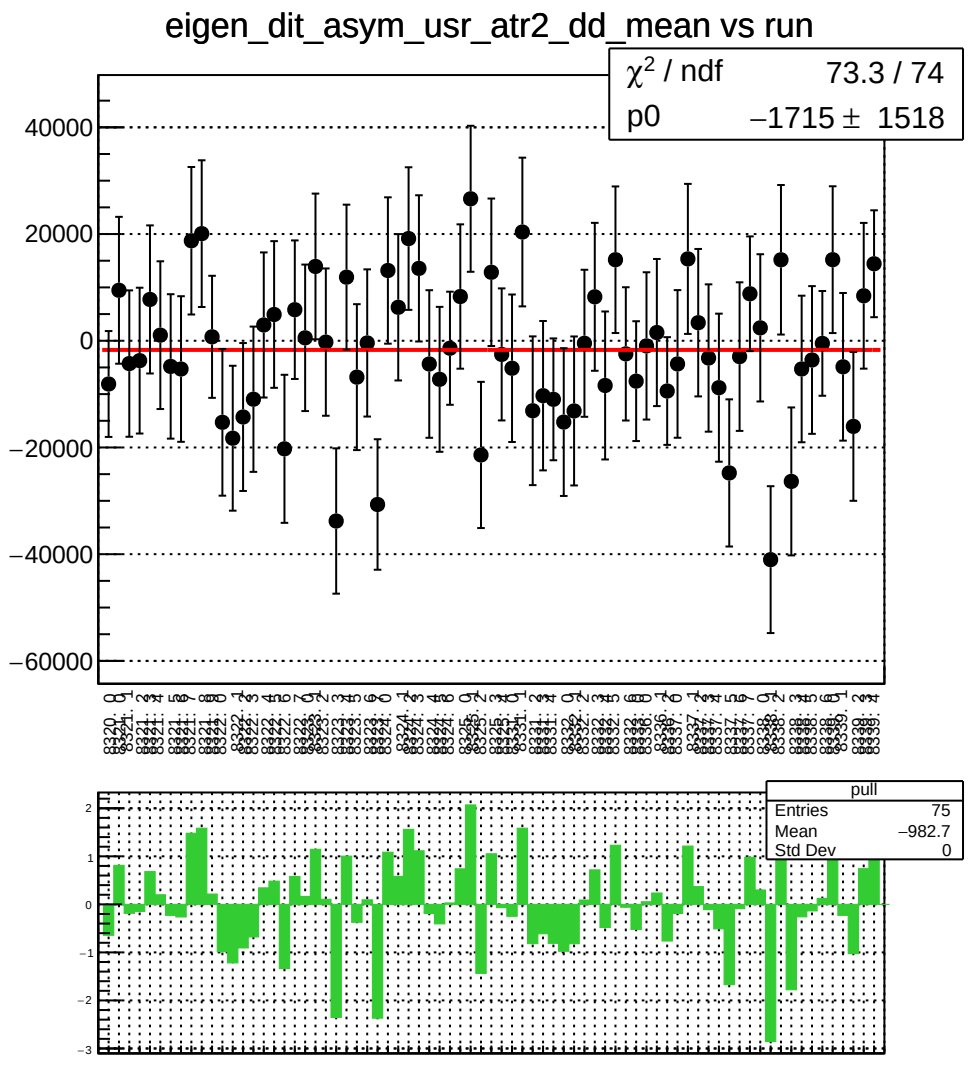

pull1D
Entries 75
Mean 0.0007162
Std Dev 0.9886
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

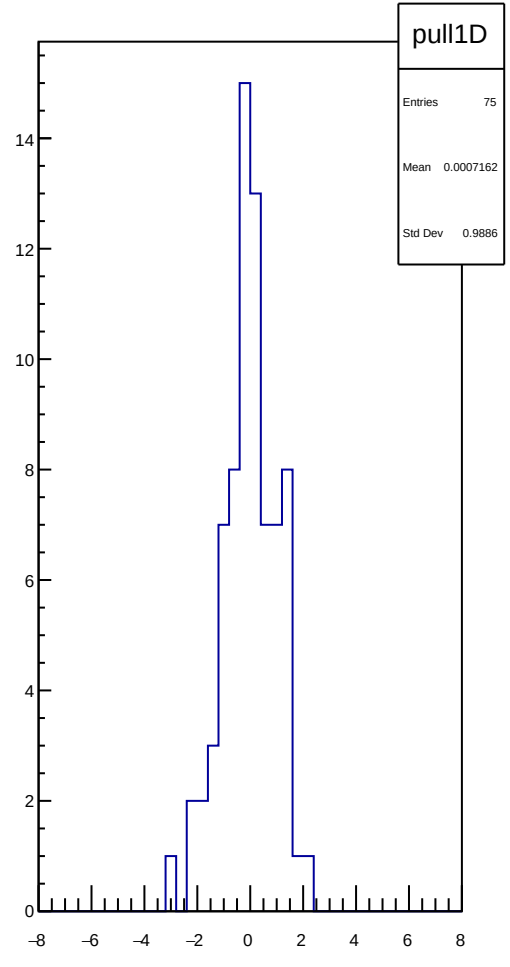

dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 103.6 / 74
p0 1306 ± 1.074
1340
1320
1300
1280
1260

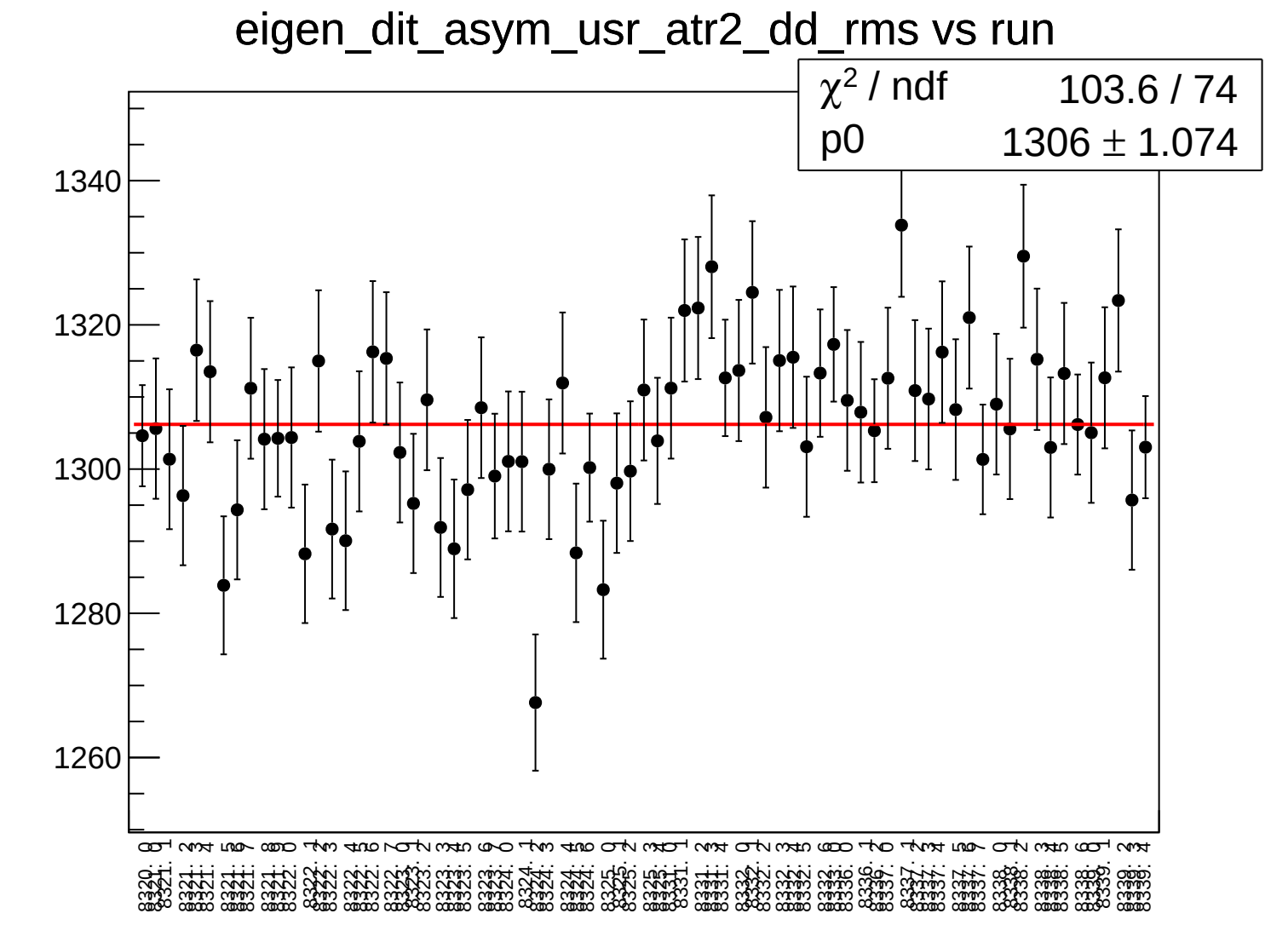

asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.84 / 74
p0 7099 ± 6676
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 2226
Std Dev 0
2
1
0
−1
−2

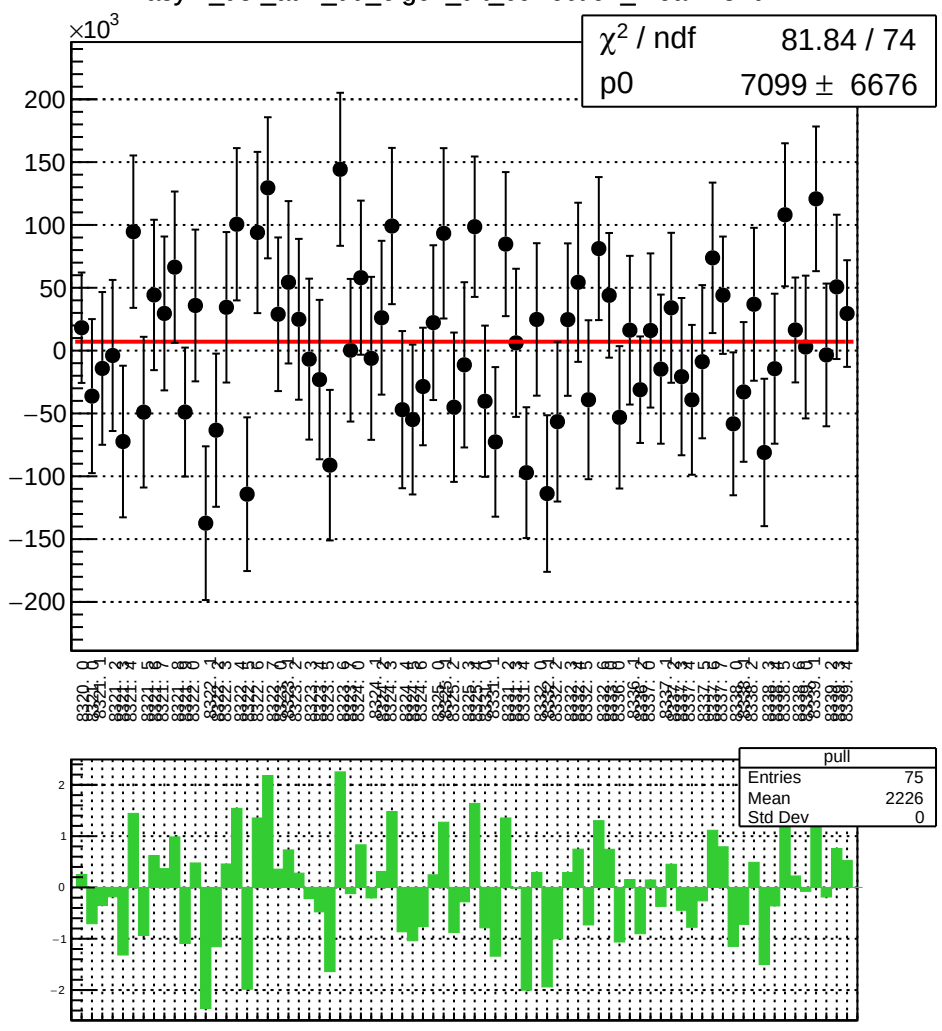

pull1D
Entries 75
Mean 0.0004518
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

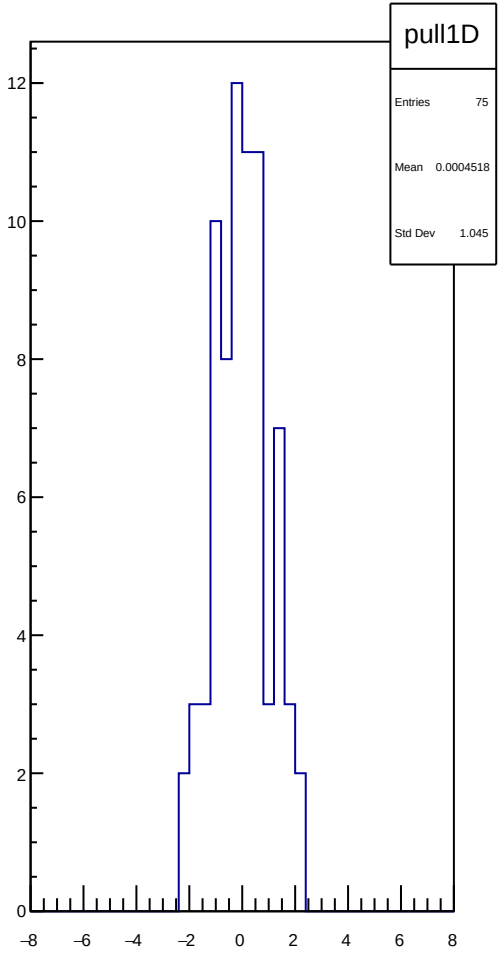

asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 1992 / 74
p0 5739 ± 4.72
6600
6400
6200
6000
5800
5600
5400
5200

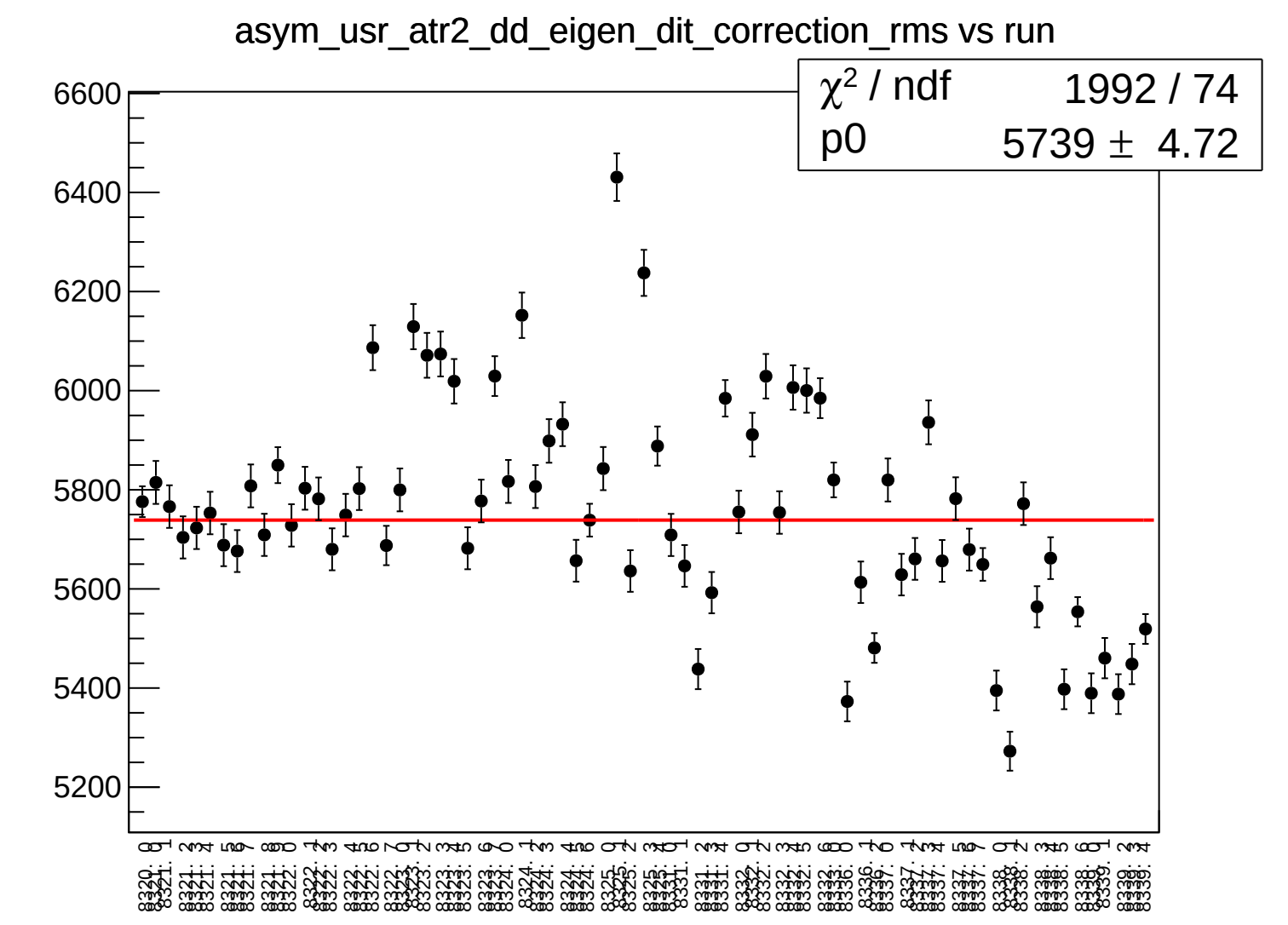

eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 73.3 / 74
p0 −1715 ± 1518
pull
Entries 75
Mean −982.7
Std Dev 0

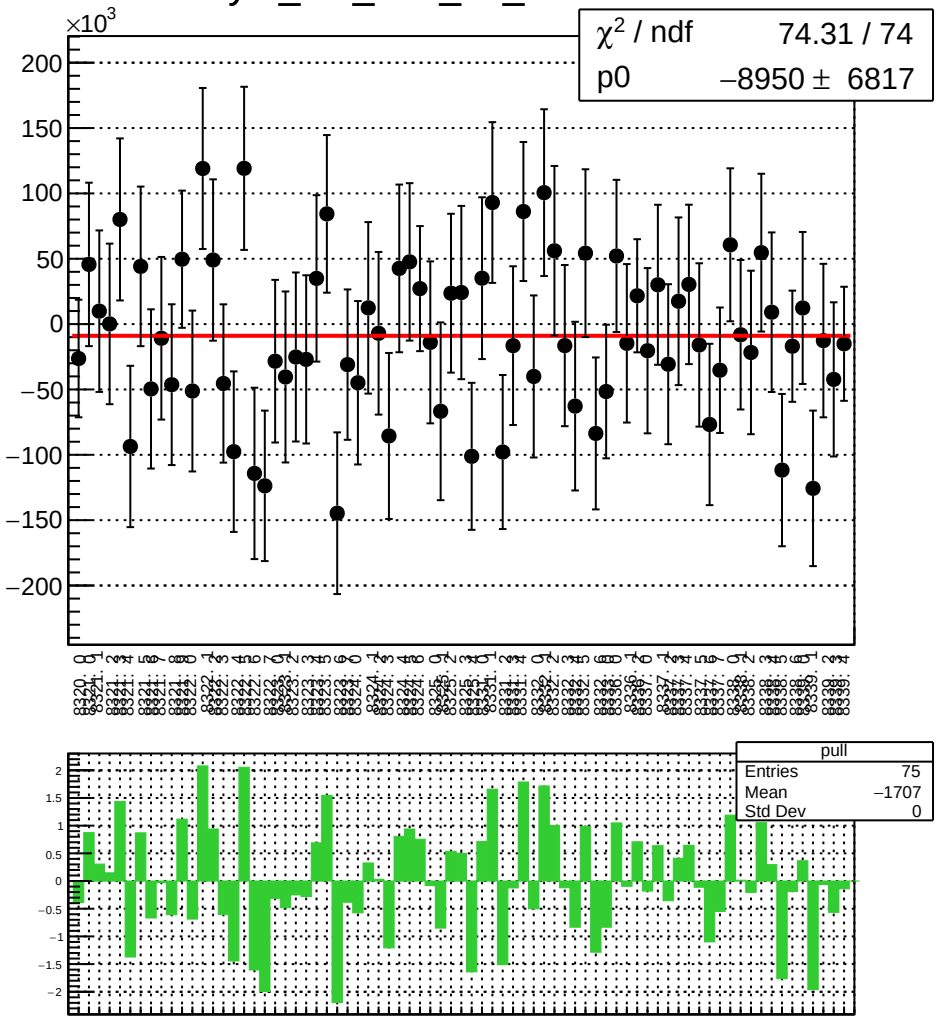

pull1D
Entries 75
Mean 0.0007162
Std Dev 0.9886

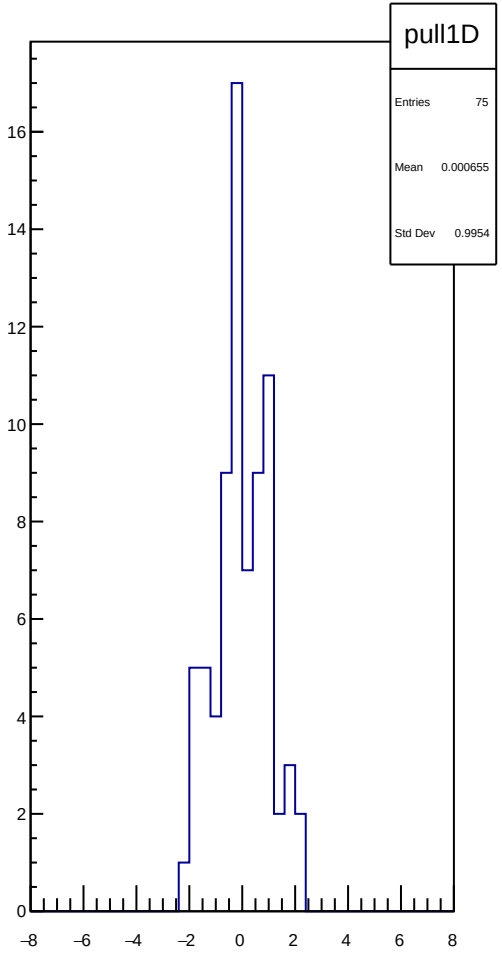

eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 103.6 / 74
p0 1306 ± 1.074
1340
1320
1300
1280
1260

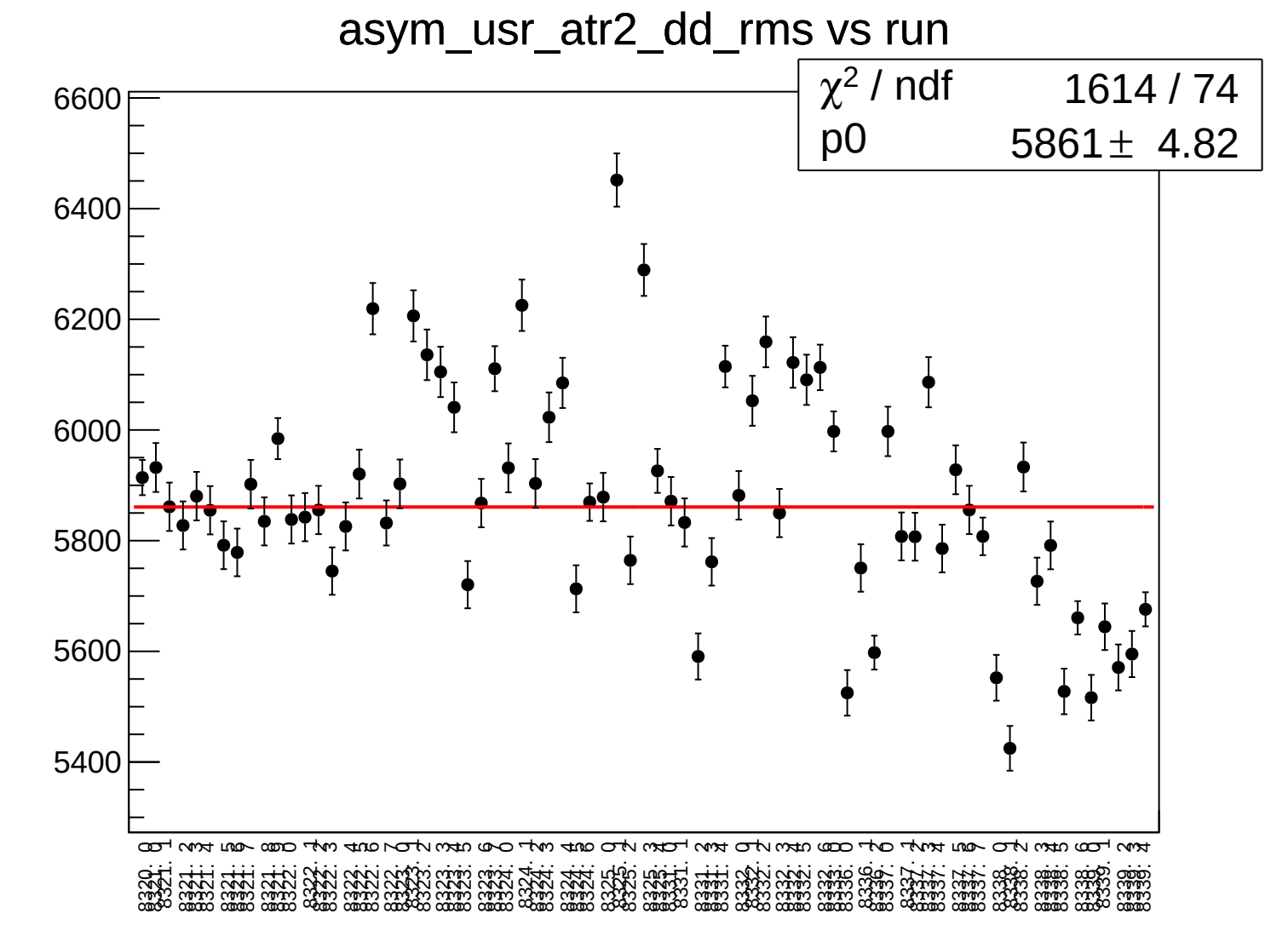

asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 81.84 / 74
p0 7099 ± 6676
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 2226
Std Dev 0
2
1
0
−1
−2

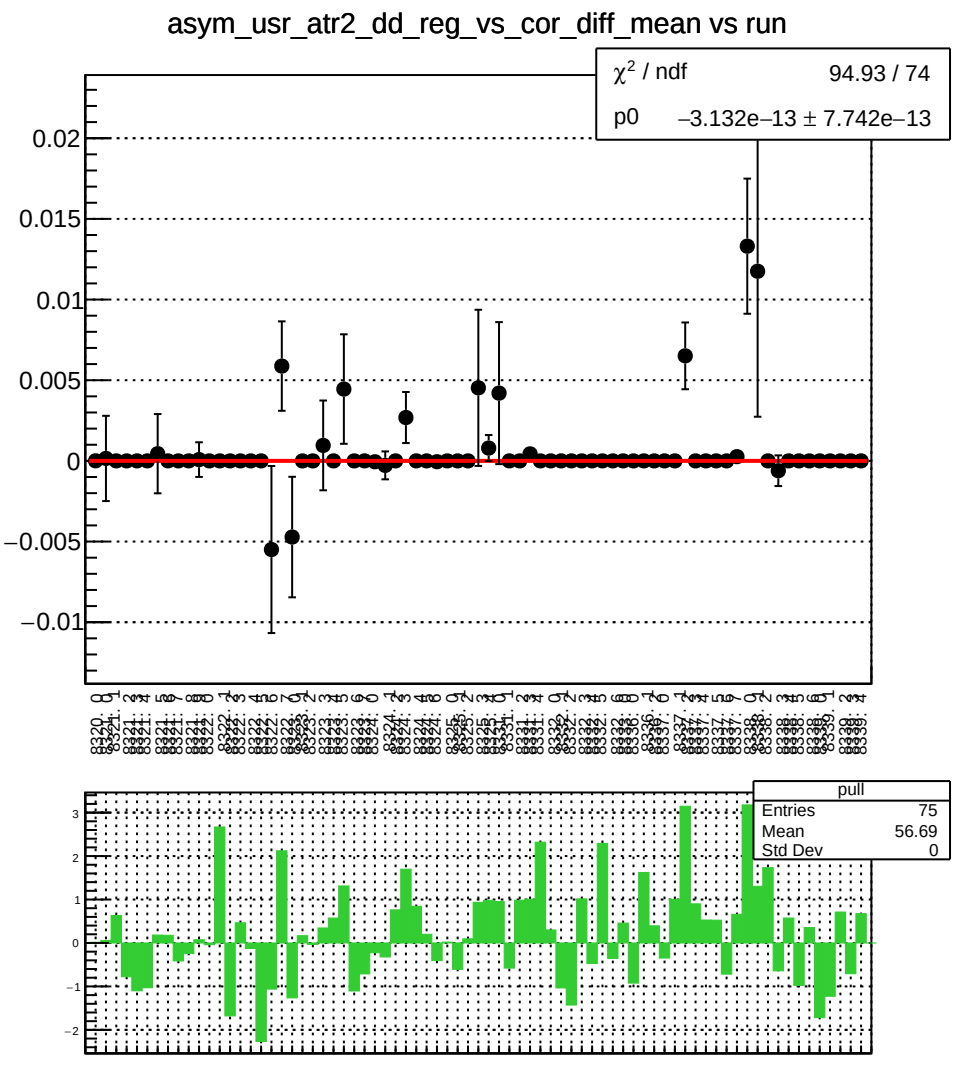

pull1D
Entries 75
Mean 0.0004518
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

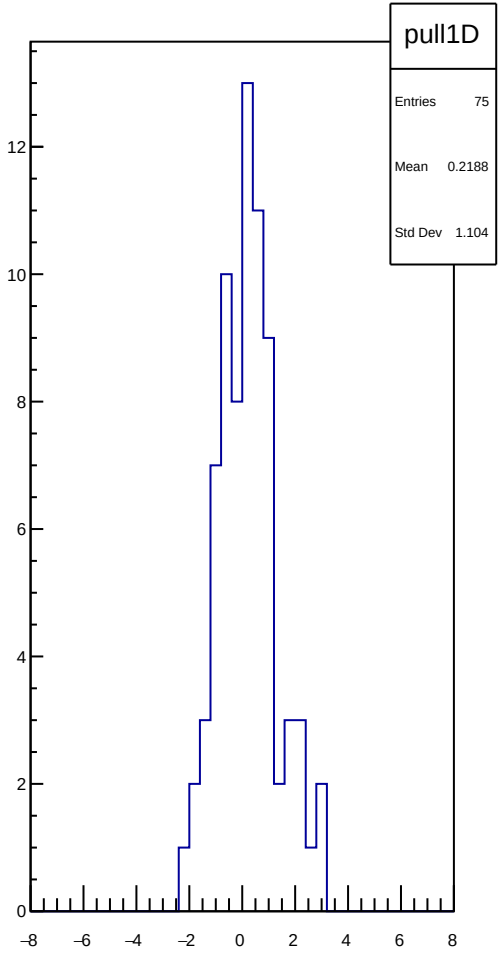

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1992 / 74
p0 5739 ± 4.72
6600
6400
6200
6000
5800
5600
5400
5200

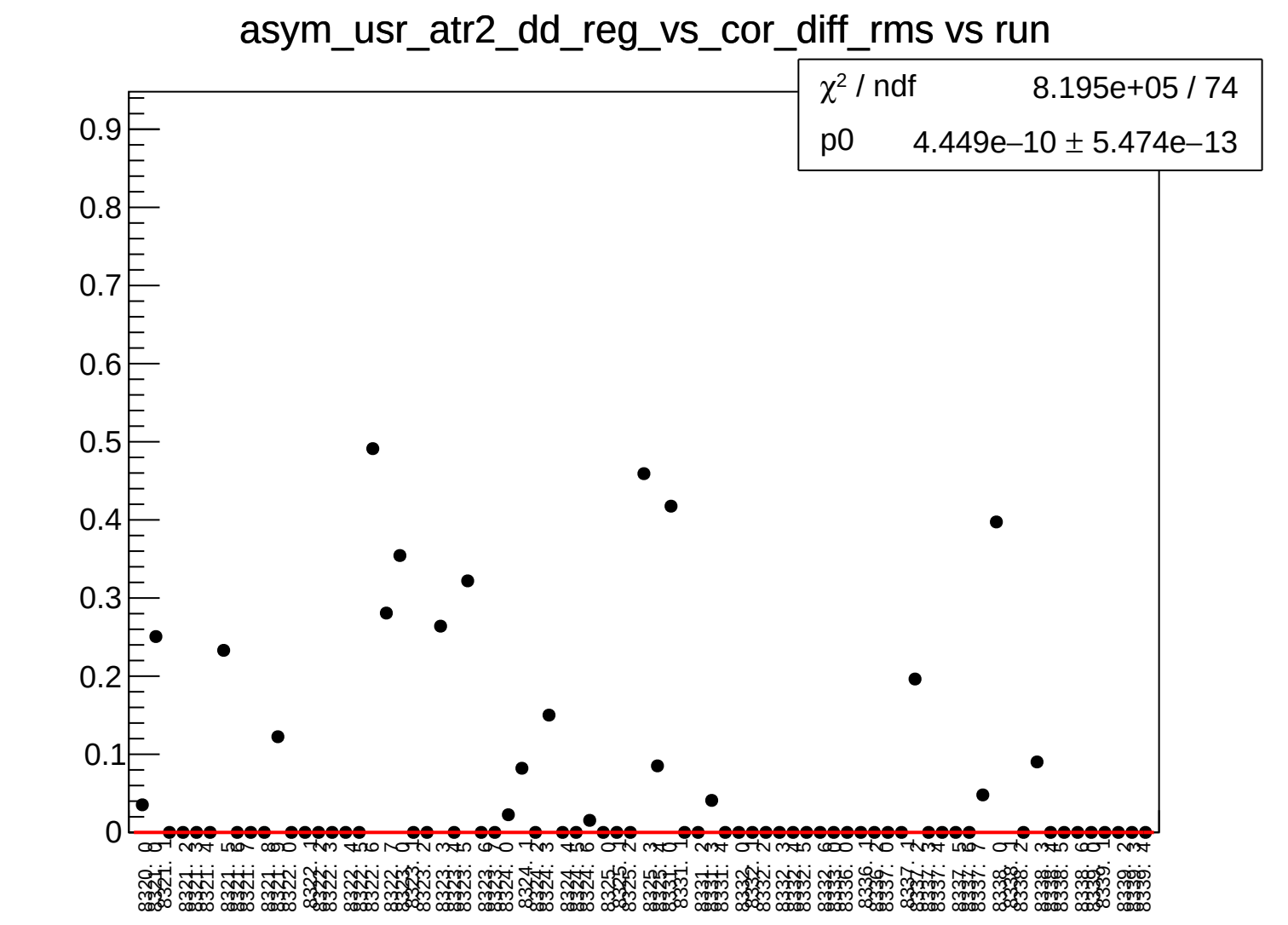

asym_usr_atr2_dd_mean vs run
×10^3
χ^2 / ndf 74.31 / 74
p0 −8950 ± 6817
pull
Entries 75
Mean −1707
Std Dev 0

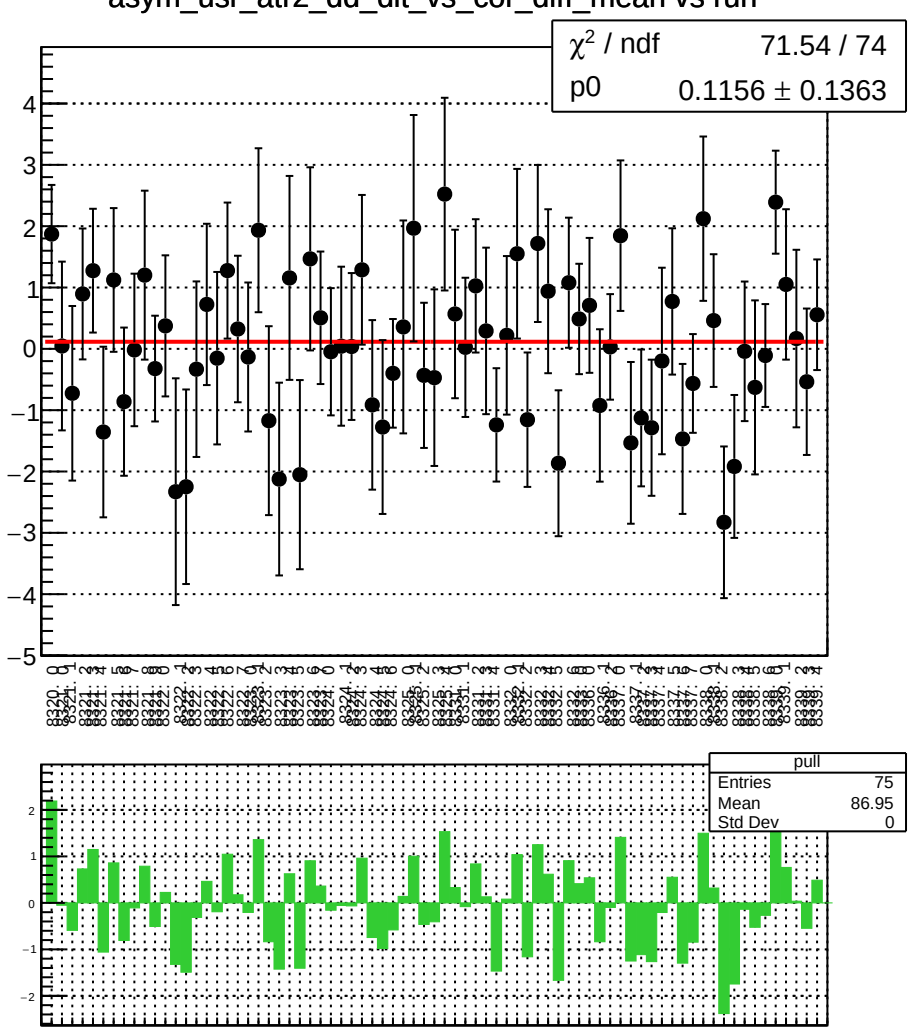

pull1D
Entries 75
Mean 0.000655
Std Dev 0.9954

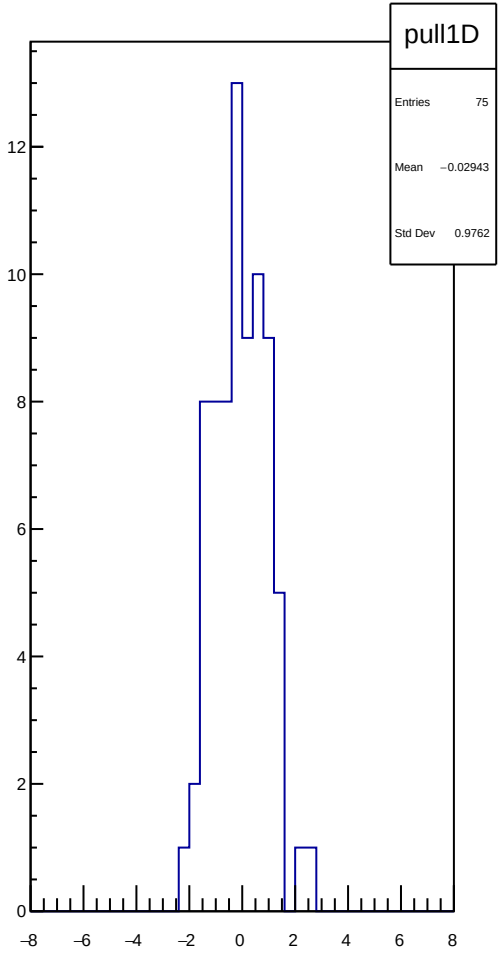

asym_usr_atr2_dd_rms vs run
χ² / ndf 1614 / 74
p0 5861 ± 4.82
6600
6400
6200
6000
5800
5600
5400

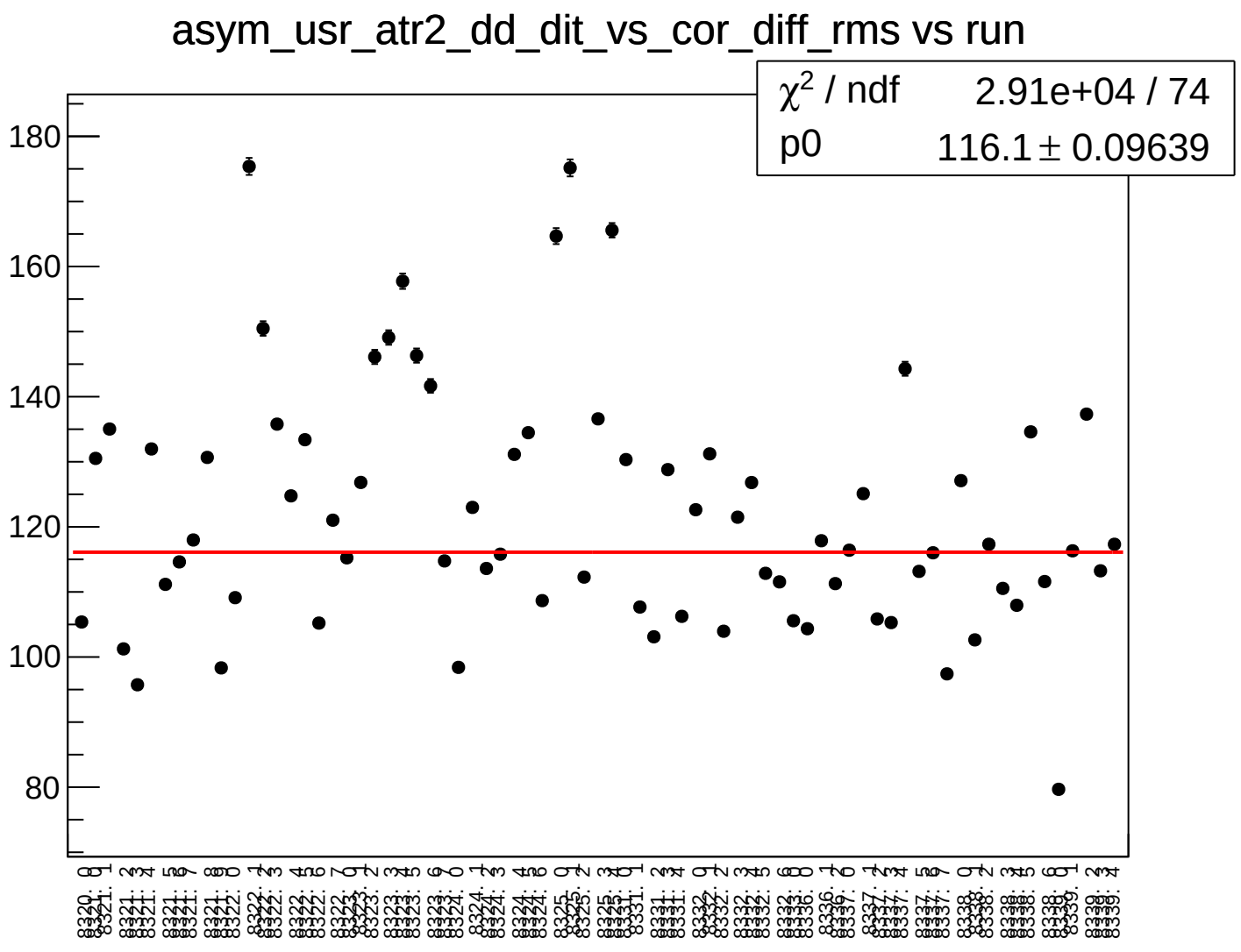

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 94.93 / 74
p0 −3.132e−13 ± 7.742e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
pull
Entries 75
Mean 56.69
Std Dev 0
3
2
1
0
−1
−2

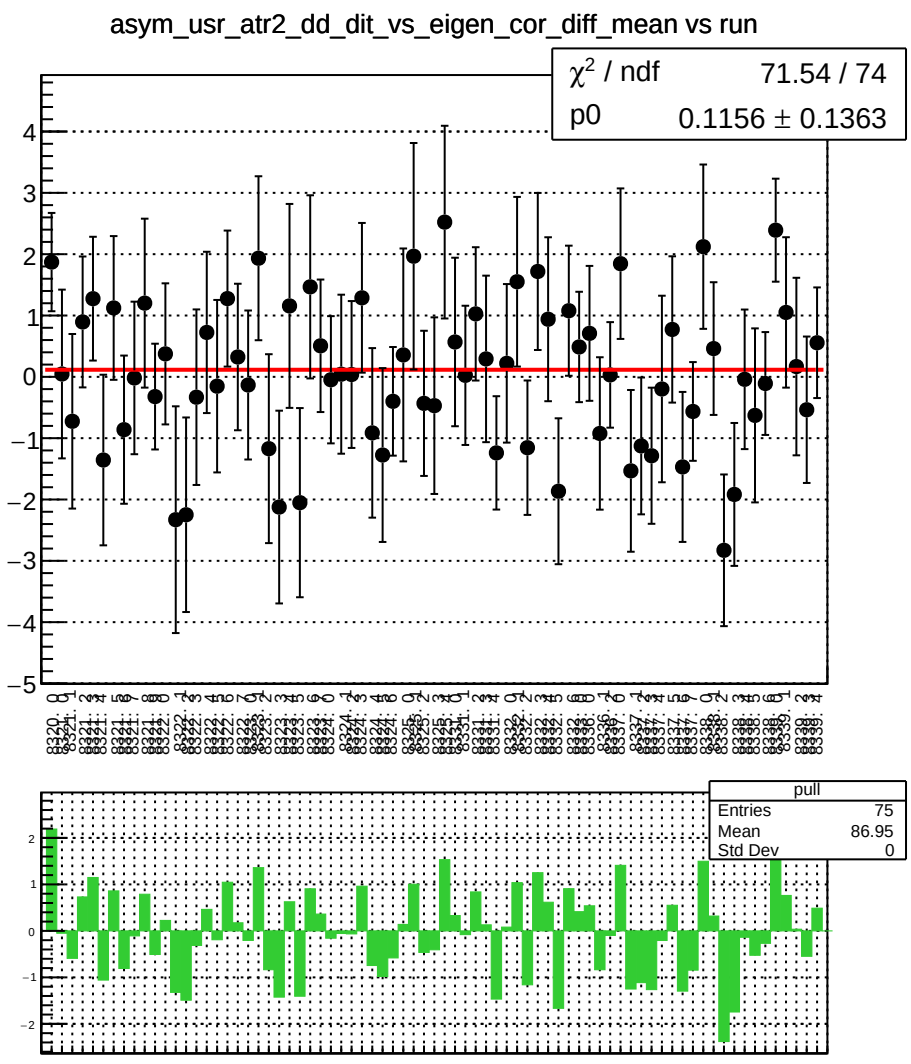

pull1D
Entries 75
Mean 0.2188
Std Dev 1.104
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

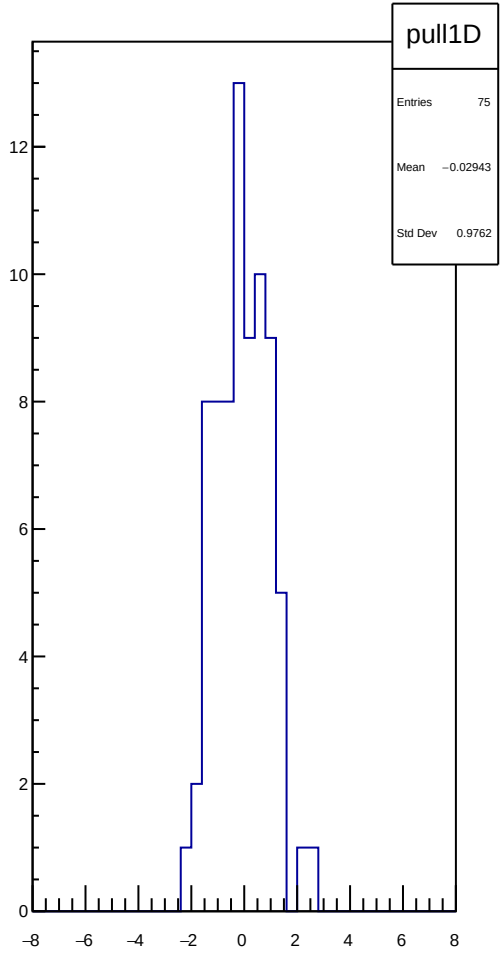

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.195e+05 / 74
p0 4.449e−10 ± 5.474e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

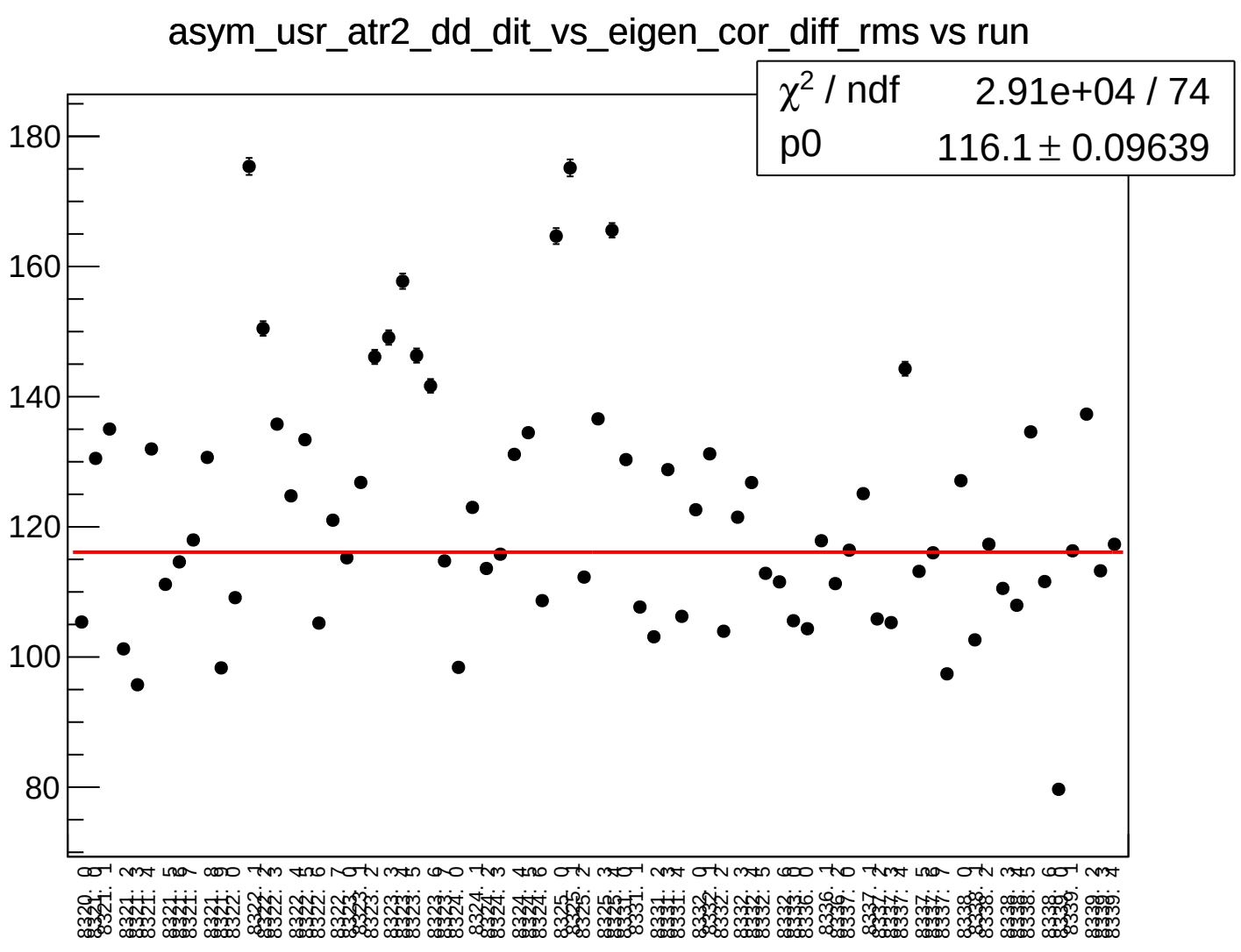

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.54 / 74
p0 0.1156 ± 0.1363
pull
Entries 75
Mean 86.95
Std Dev 0

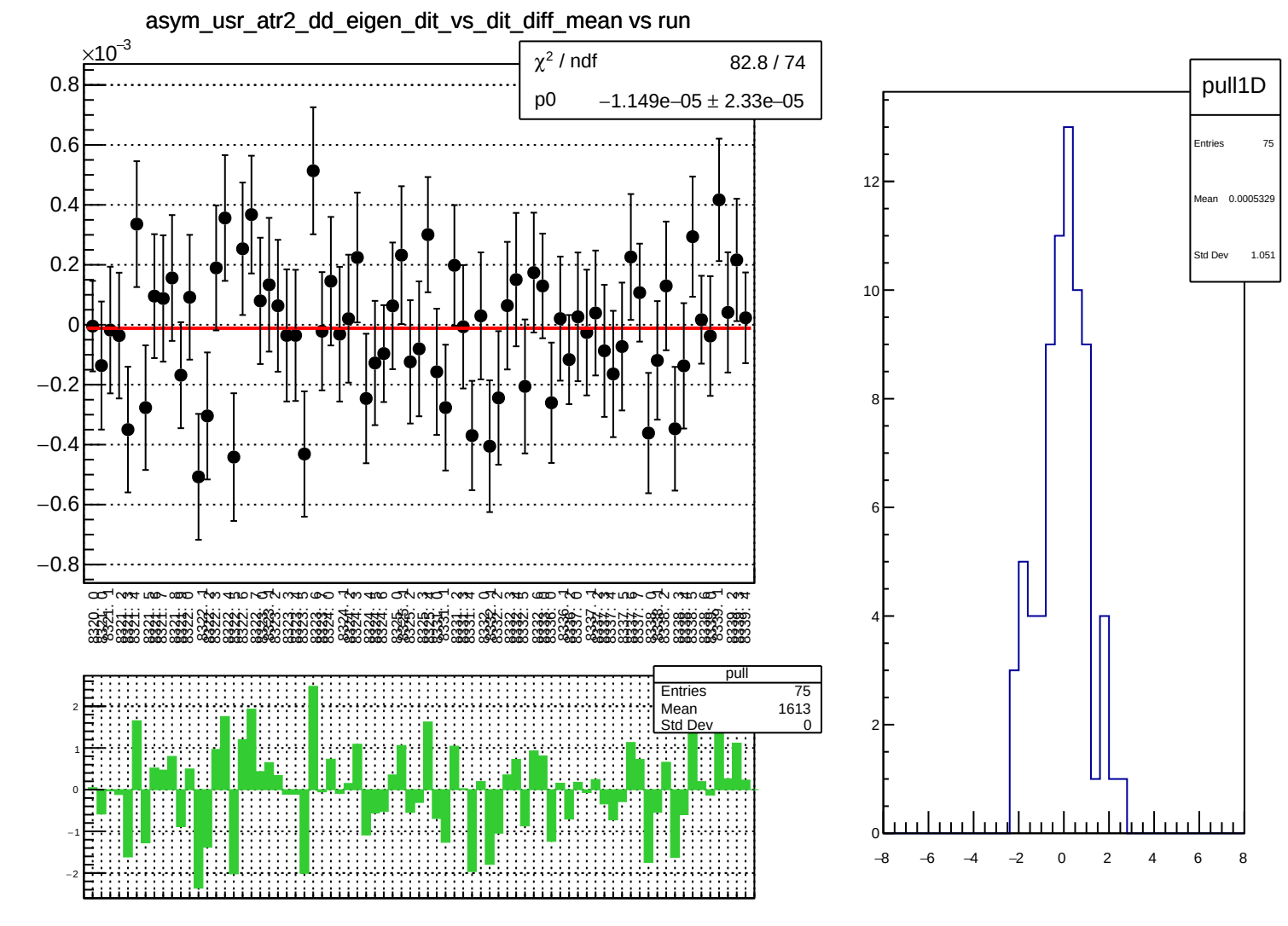

pull1D
Entries 75
Mean −0.02943
Std Dev 0.9762

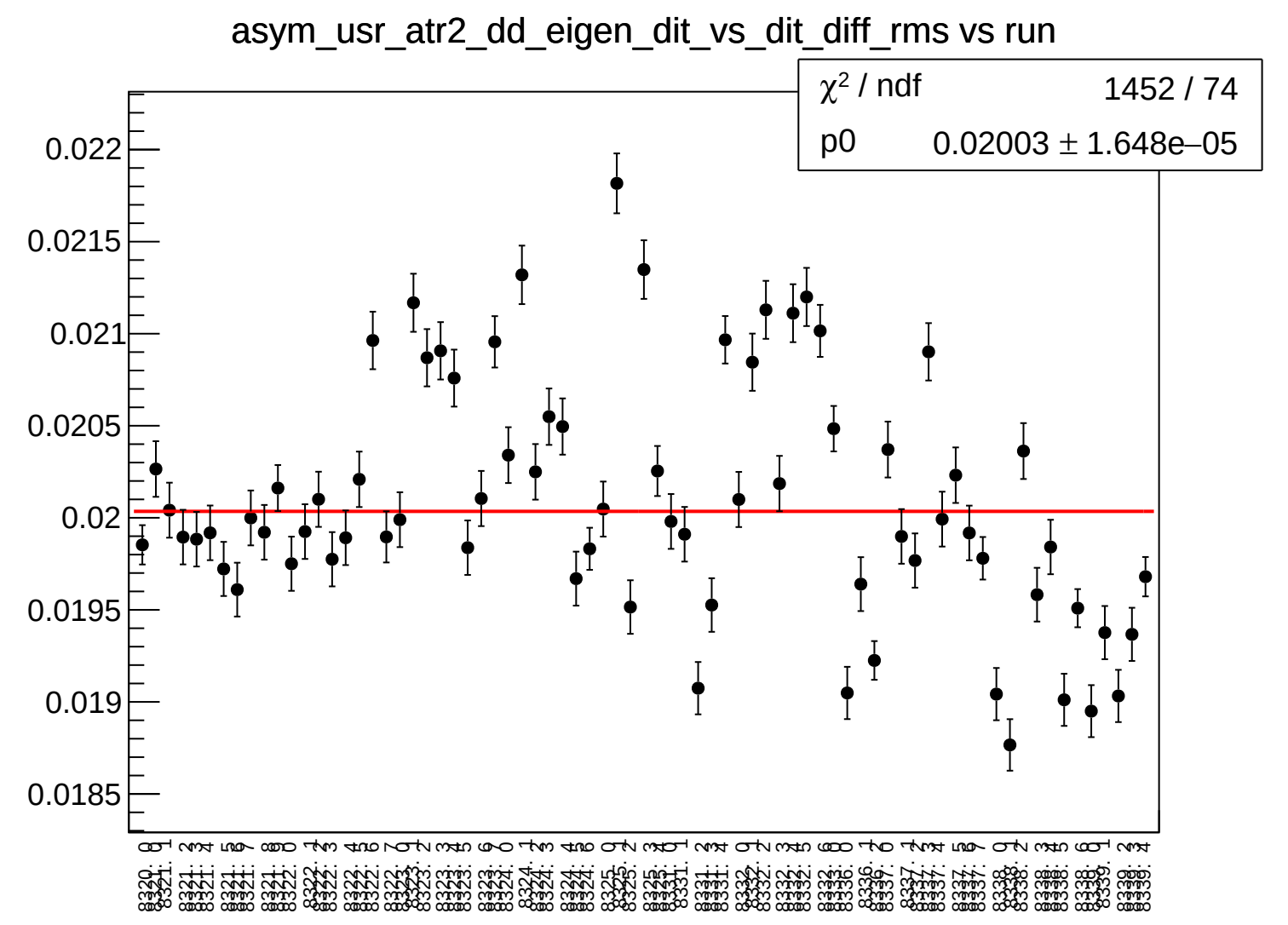

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.91e+04 / 74
p0 116.1 ± 0.09639
180
160
140
120
100
80

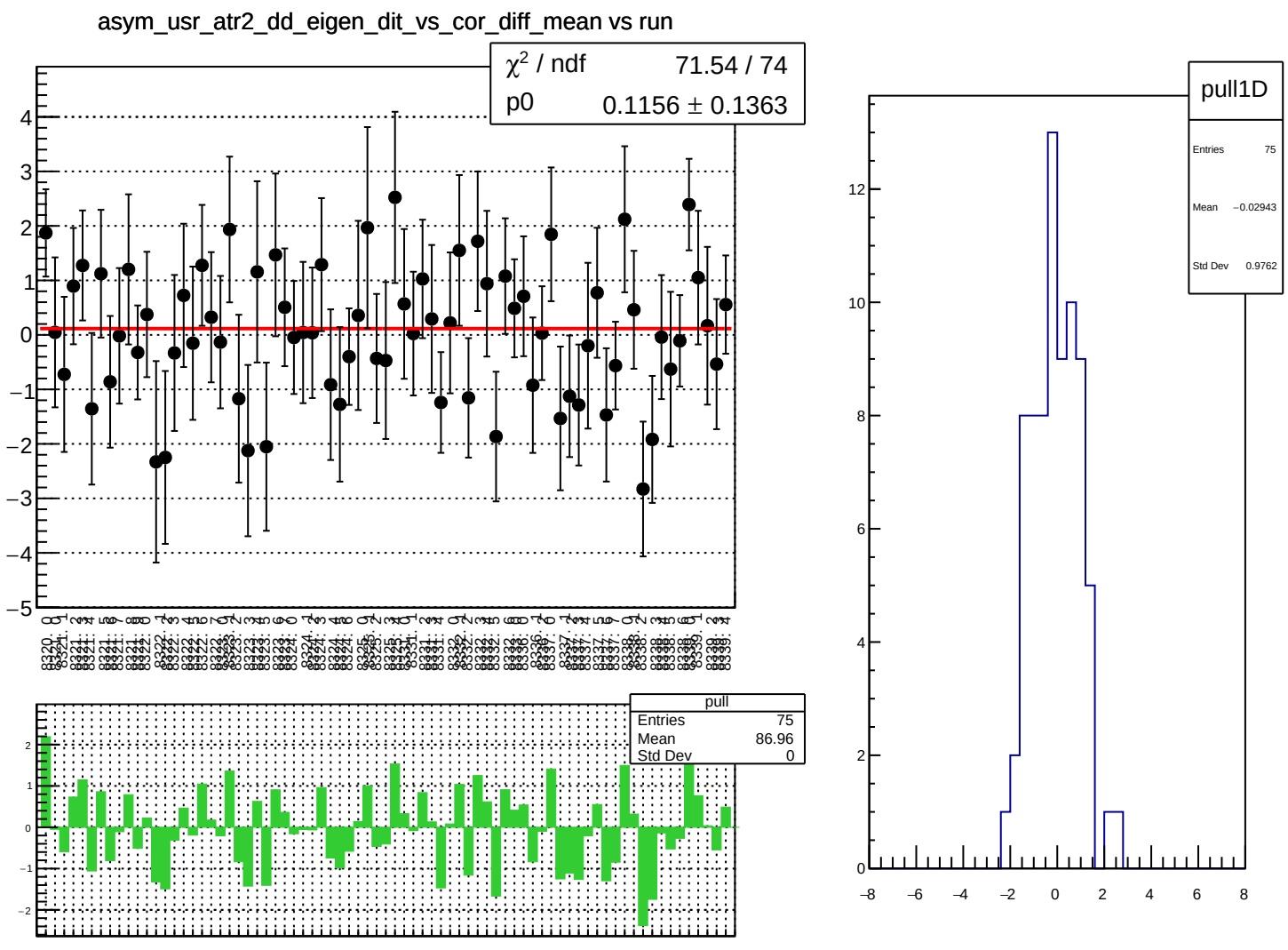

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.54 / 74
p0 0.1156 ± 0.1363
pull
Entries 75
Mean 86.95
Std Dev 0

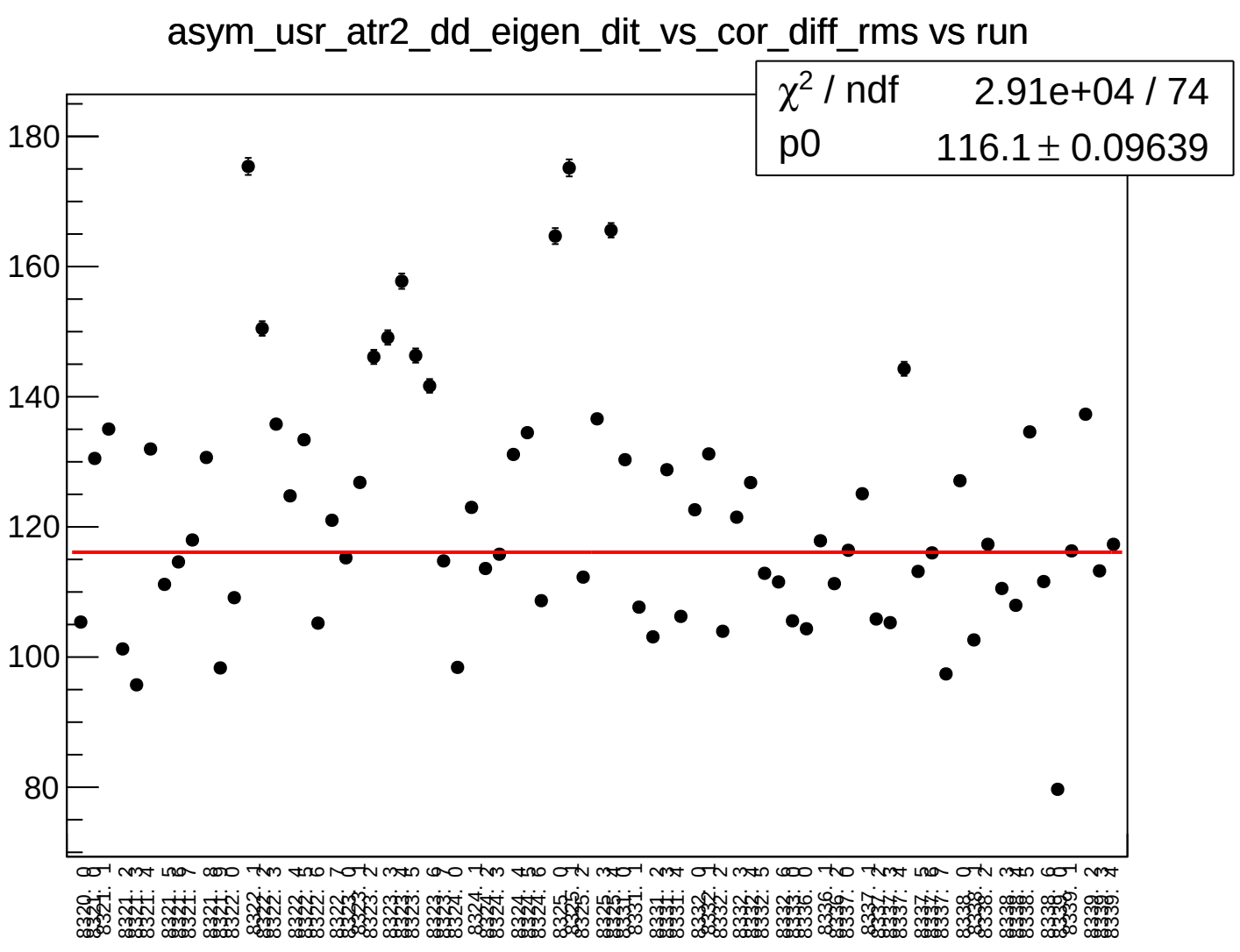

pull1D
Entries 75
Mean −0.02943
Std Dev 0.9762

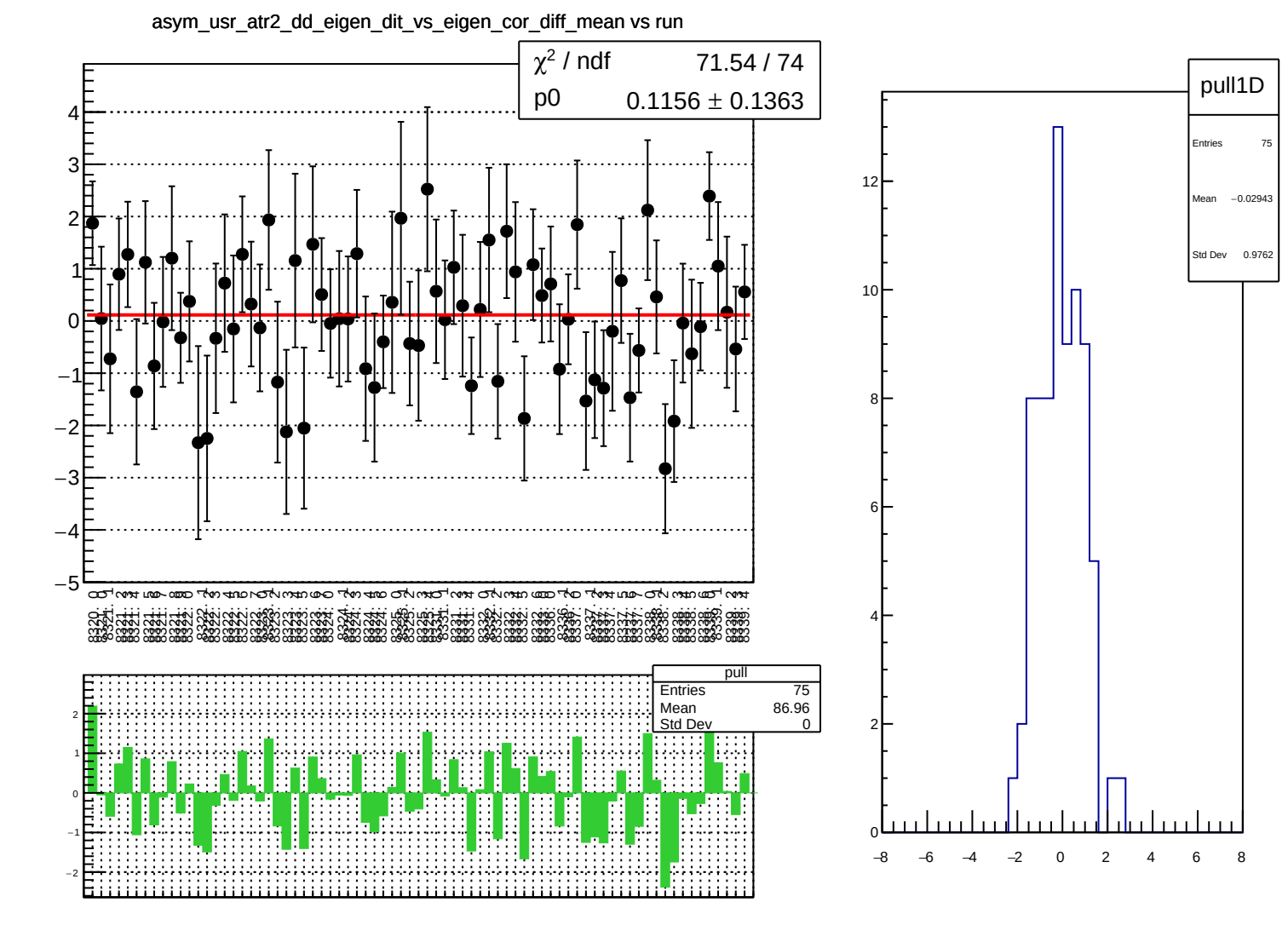

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.91e+04 / 74
p0 116.1 ± 0.09639
180
160
140
120
100
80

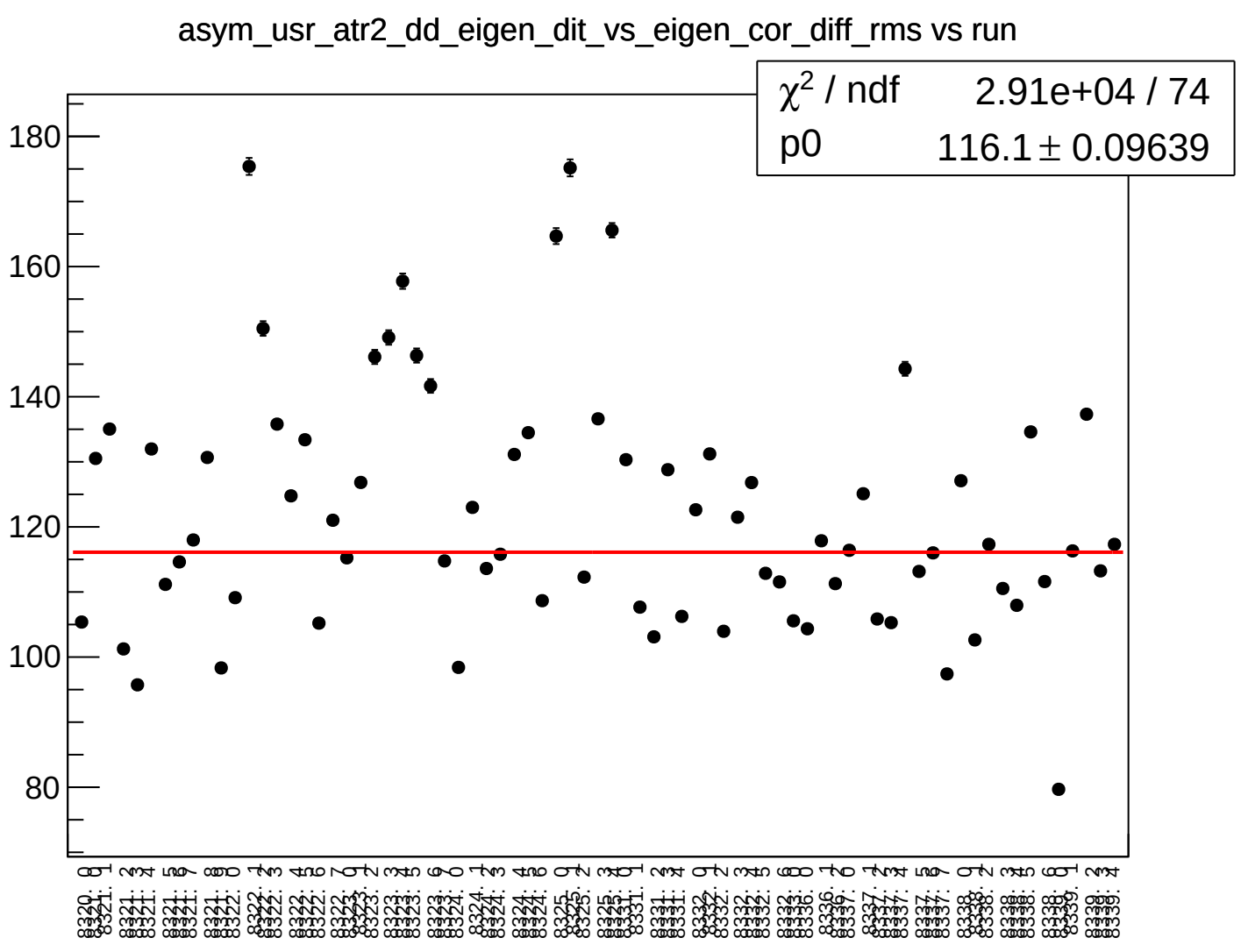

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.8 / 74
p0 −1.149e−05 ± 2.33e−05
pull
Entries 75
Mean 1613
Std Dev 0
pull1D
Entries 75
Mean 0.0005329
Std Dev 1.051

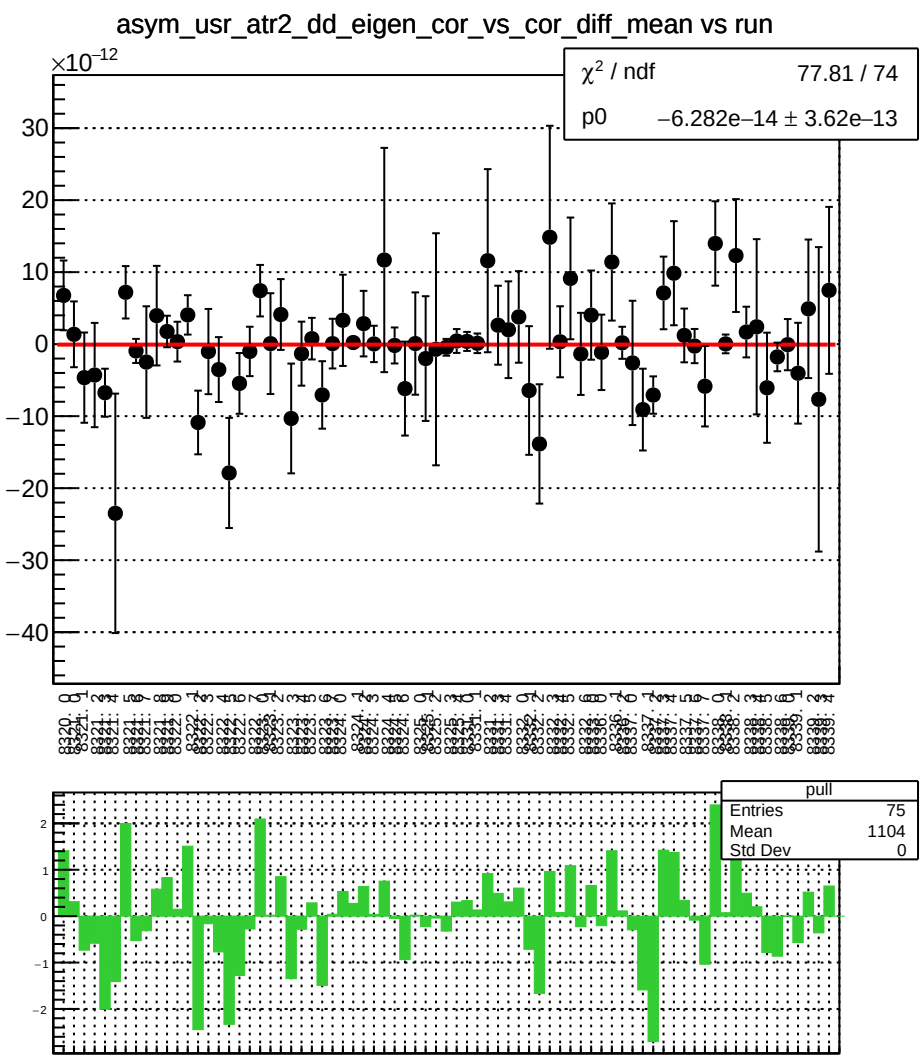

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1452 / 74
p0 0.02003 ± 1.648e−05
0.022
0.0215
0.021
0.0205
0.02
0.0195
0.019
0.0185

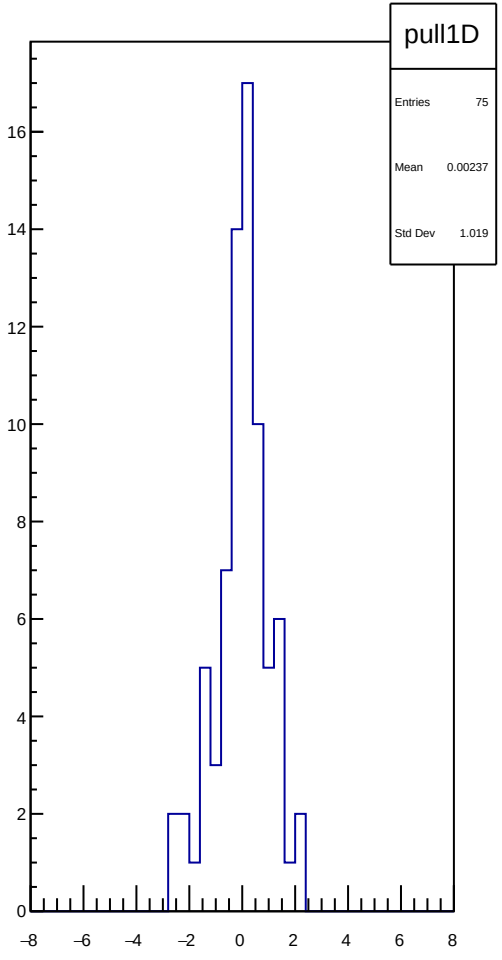

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.54 / 74
p0 0.1156 ± 0.1363
pull
Entries 75
Mean 86.96
Std Dev 0
pull1D
Entries 75
Mean −0.02943
Std Dev 0.9762

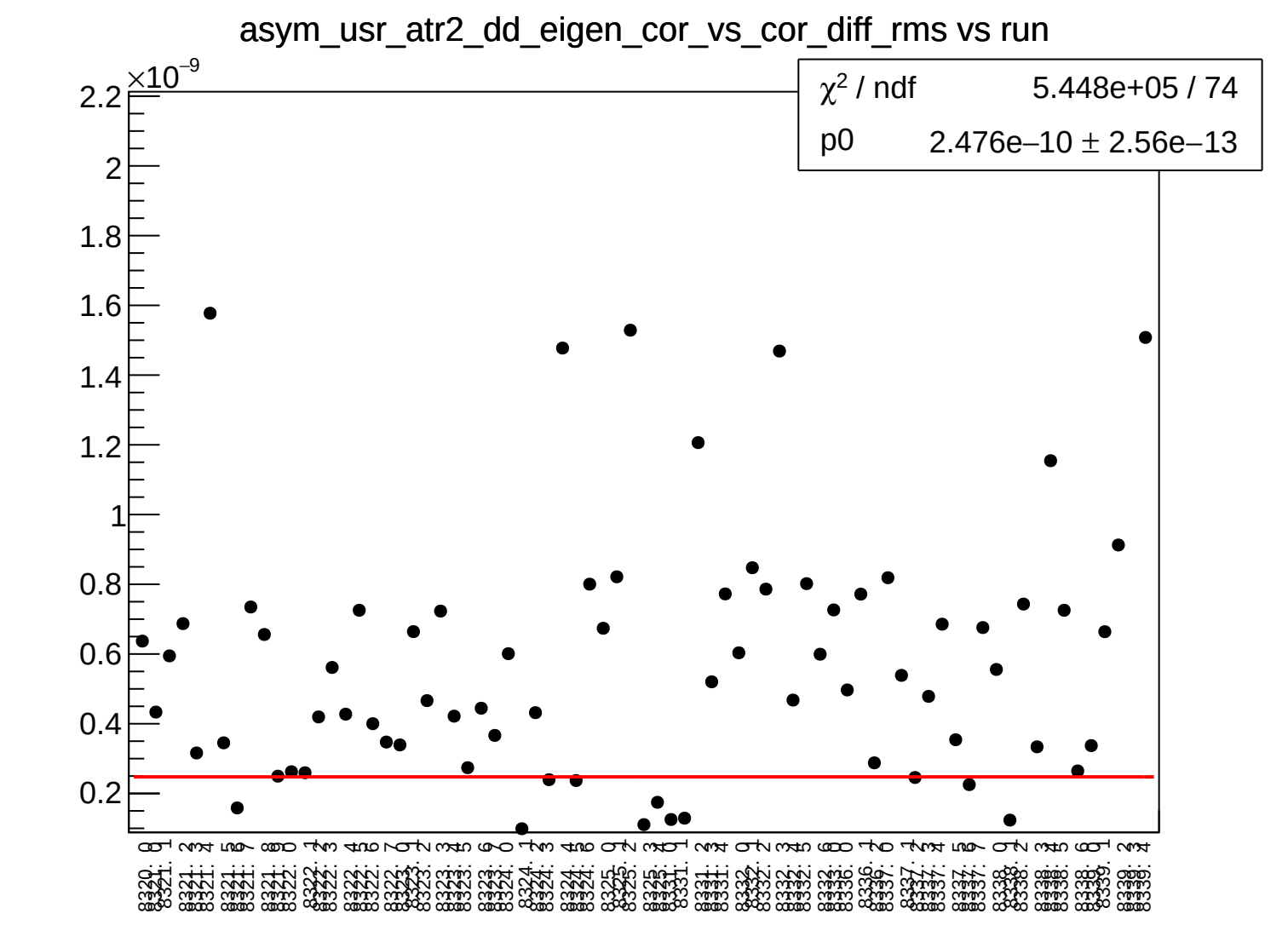

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.91e+04 / 74
p0 116.1 ± 0.09639
180
160
140
120
100
80

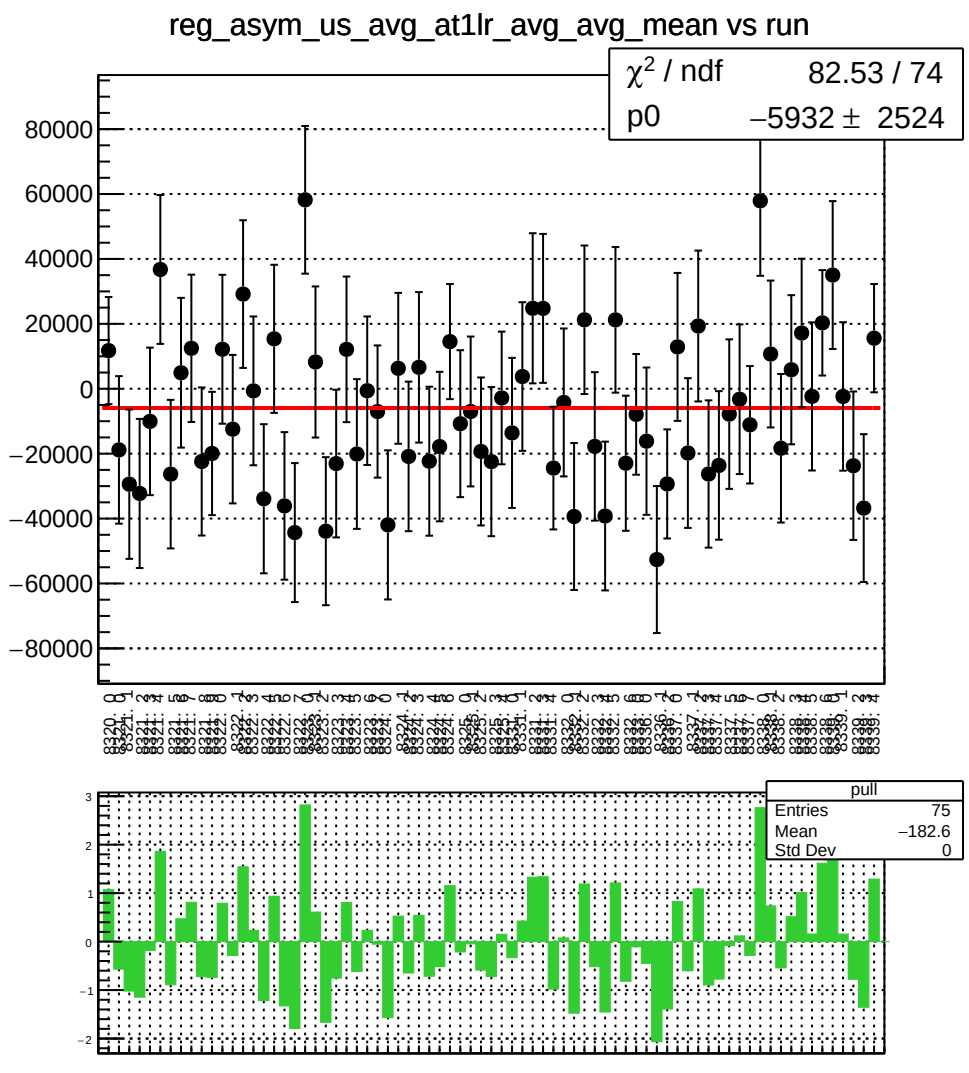

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.54 / 74
p0 0.1156 ± 0.1363
pull
Entries 75
Mean 86.96
Std Dev 0
pull1D
Entries 75
Mean −0.02943
Std Dev 0.9762

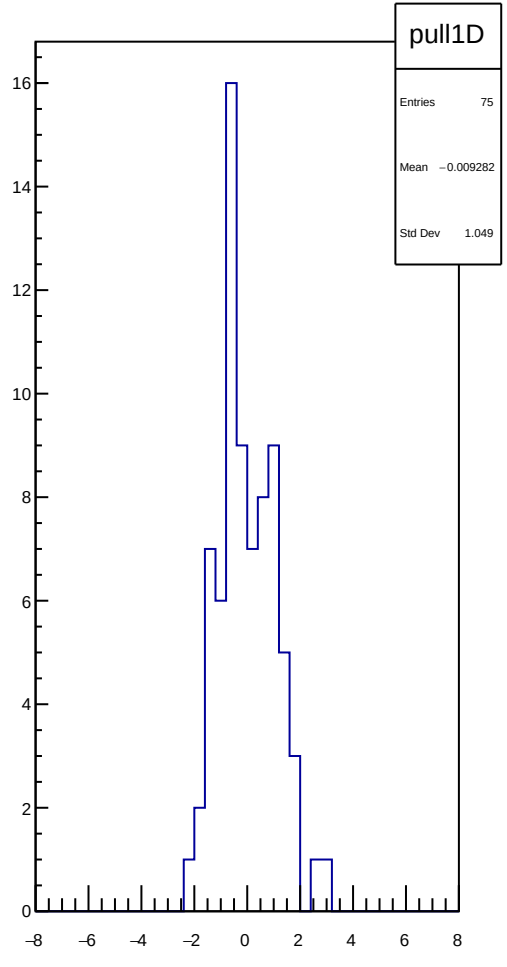

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.91e+04 / 74
p0 116.1 ± 0.09639
180
160
140
120
100
80

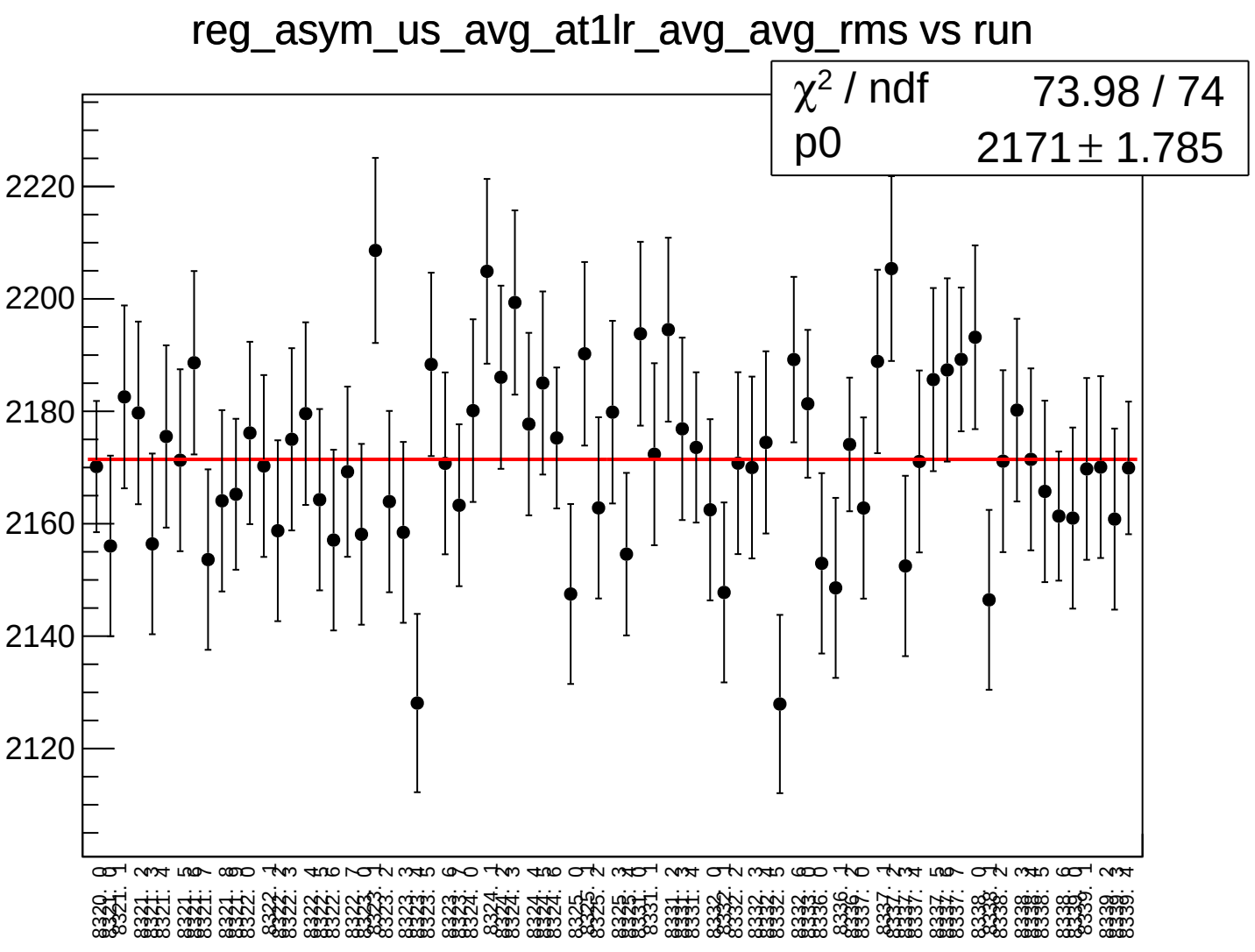

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.81 / 74
p0 −6.282e−14 ± 3.62e−13
pull
Entries 75
Mean 1104
Std Dev 0

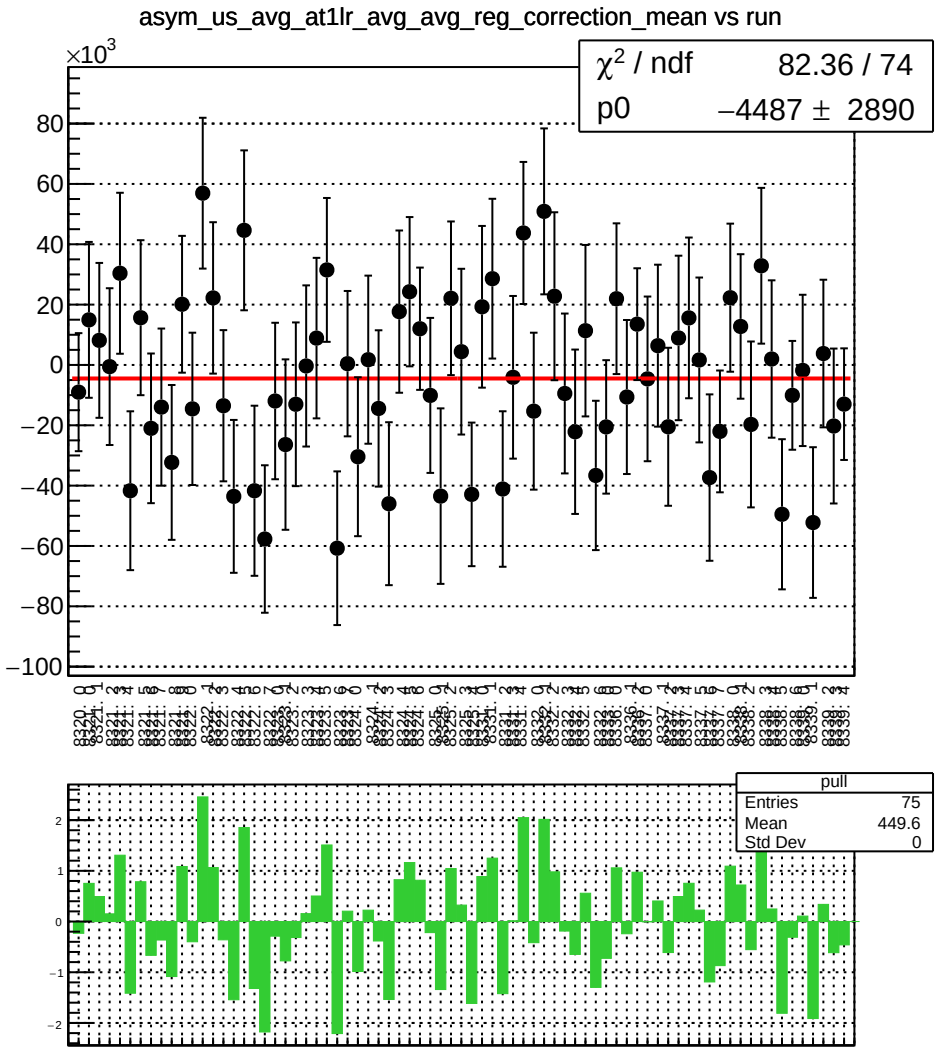

pull1D
Entries 75
Mean 0.00237
Std Dev 1.019

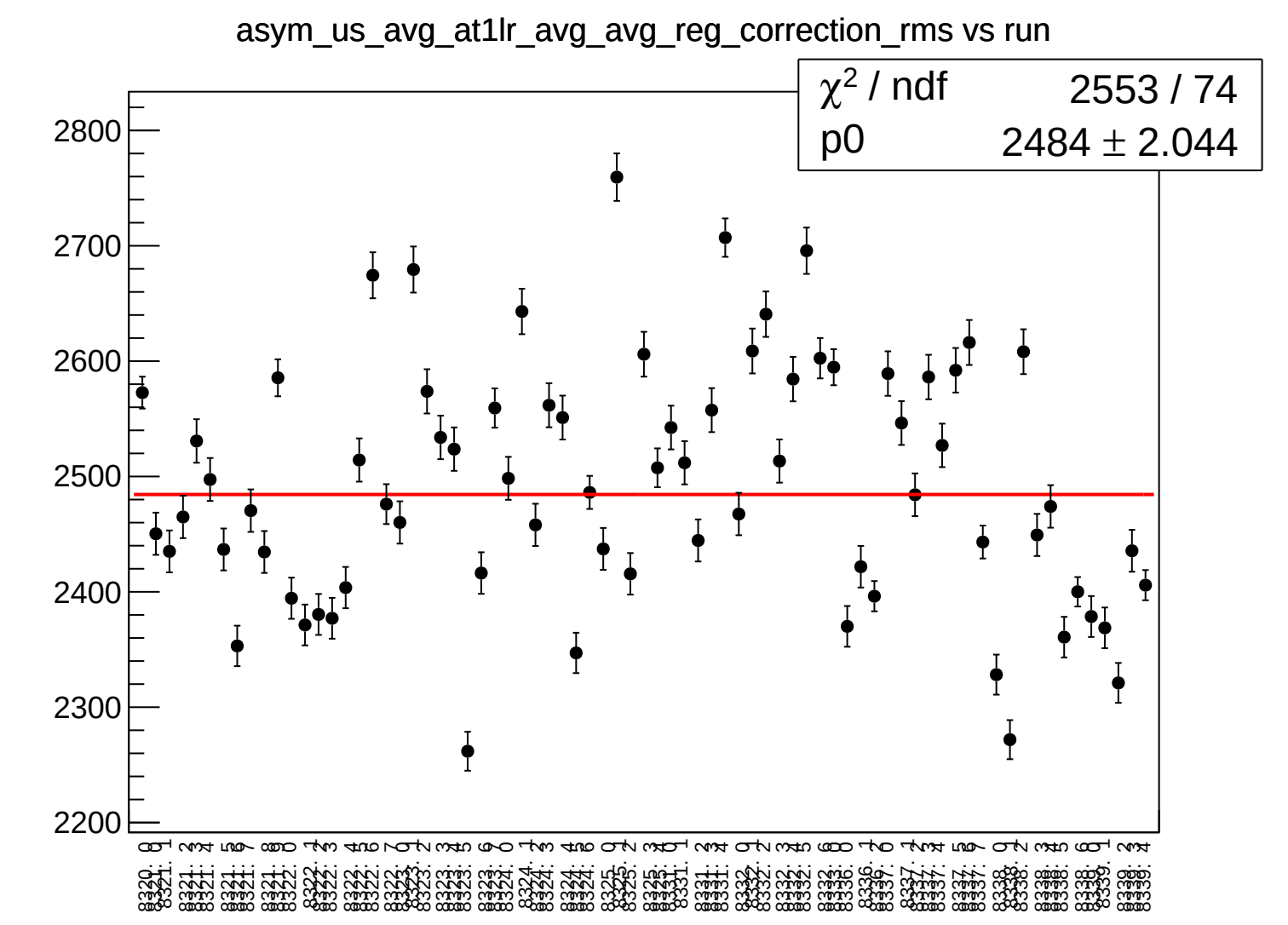

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.448e+05 / 74
p0 2.476e−10 ± 2.56e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

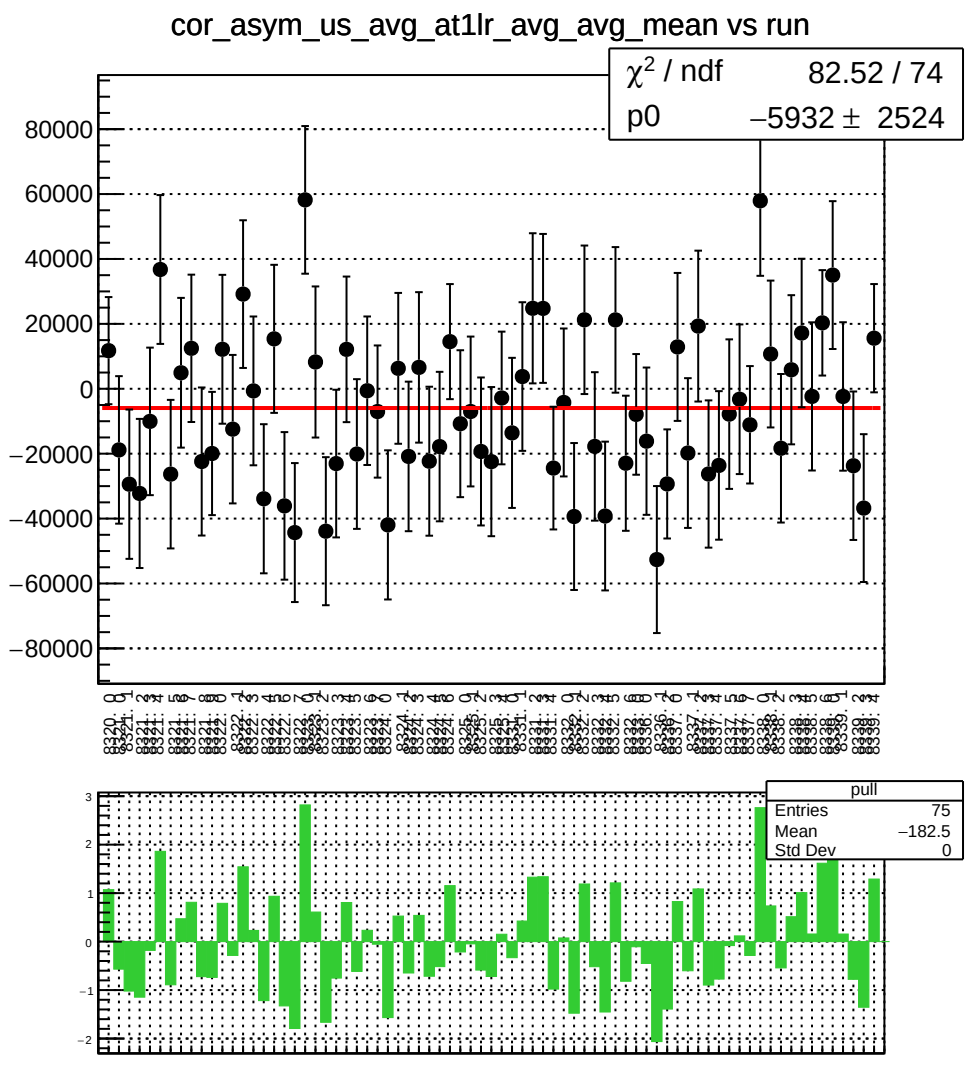

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 82.53 / 74
p0 −5932 ± 2524
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −182.6
Std Dev 0
3
2
1
0
−1
−2

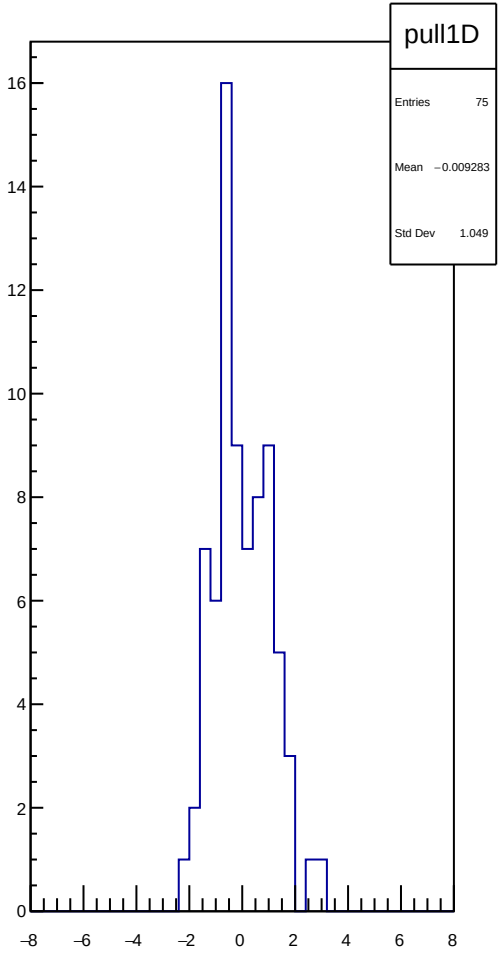

pull1D
Entries 75
Mean −0.009282
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

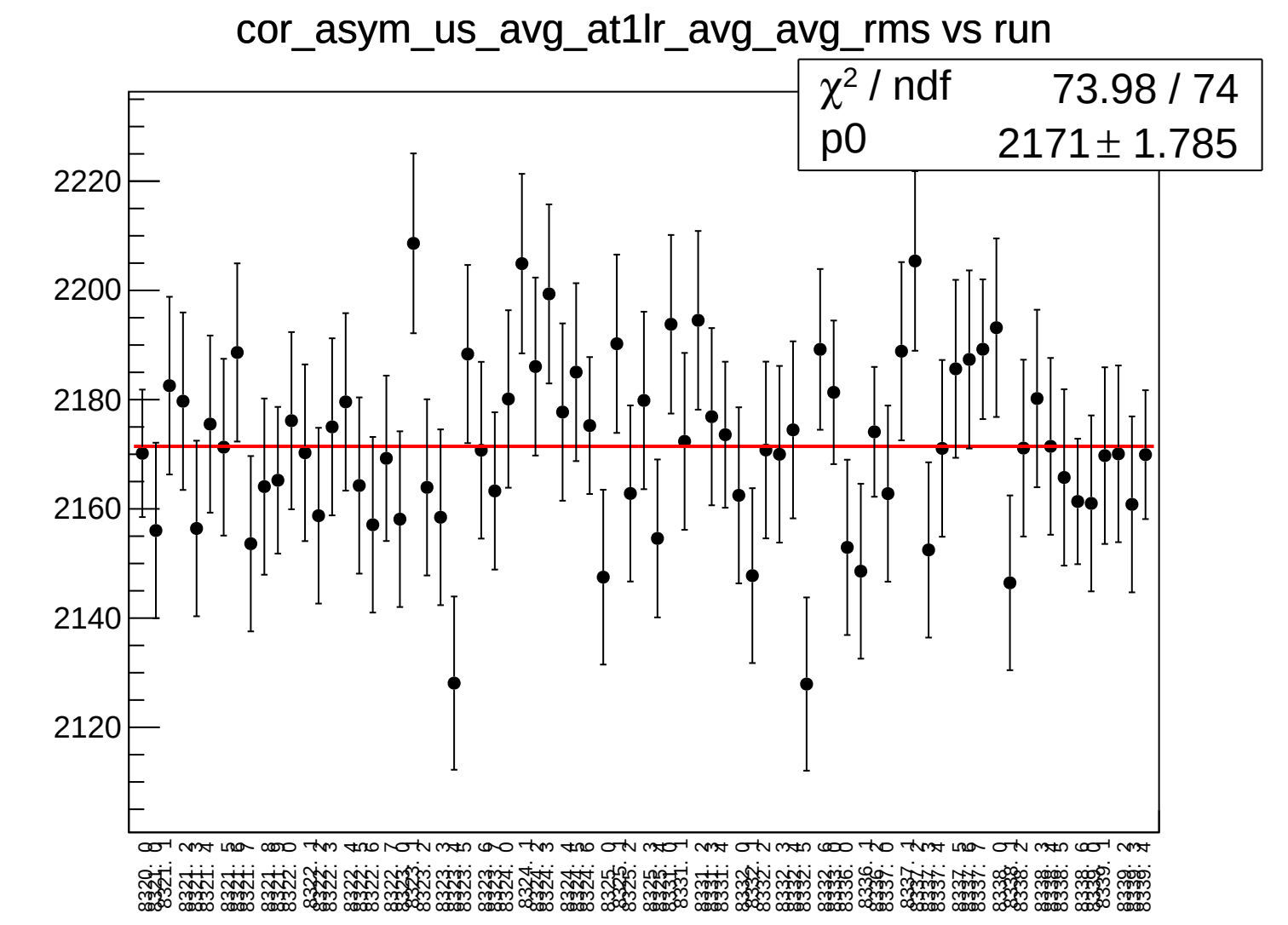

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 73.98 / 74
p0 2171 ± 1.785
2220
2200
2180
2160
2140
2120

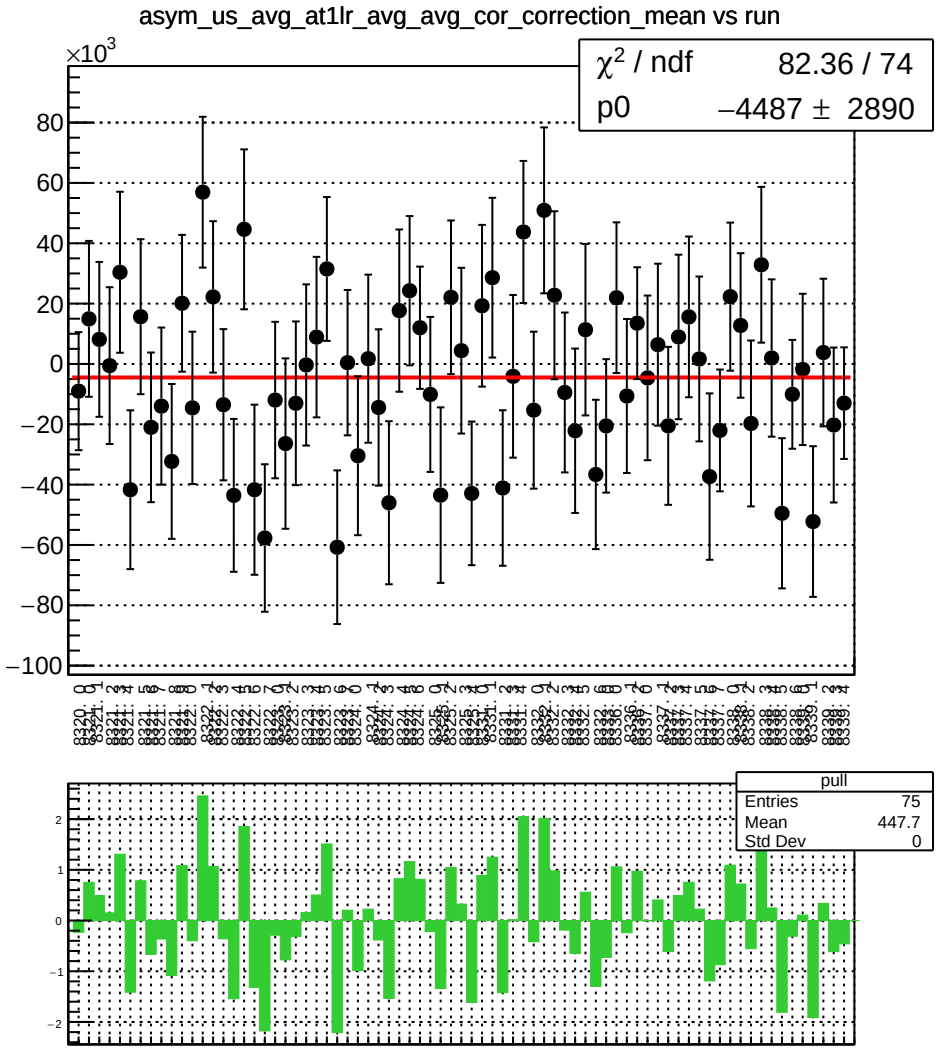

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 82.36 / 74
p0 −4487 ± 2890
pull
Entries 75
Mean 449.6
Std Dev 0
pull1D
Entries 75
Mean −0.002347
Std Dev 1.048

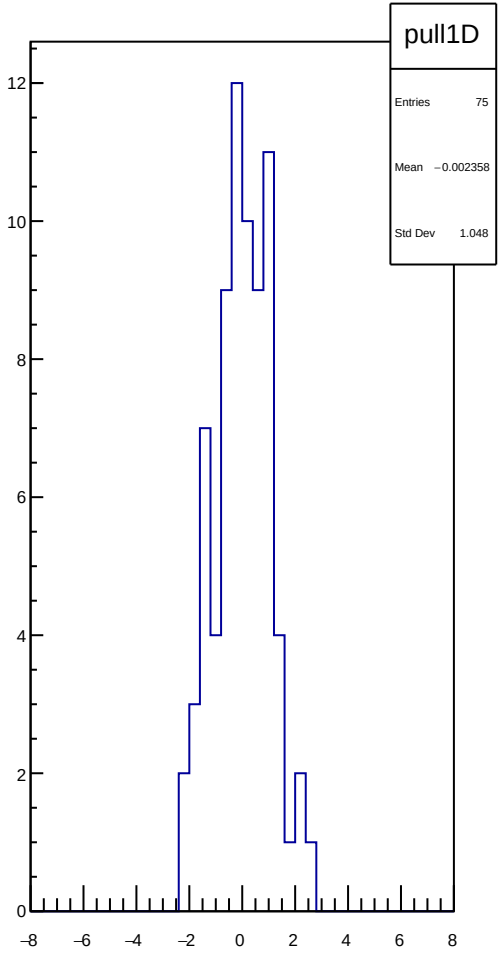

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2553 / 74
p0 2484 ± 2.044
2800
2700
2600
2500
2400
2300
2200

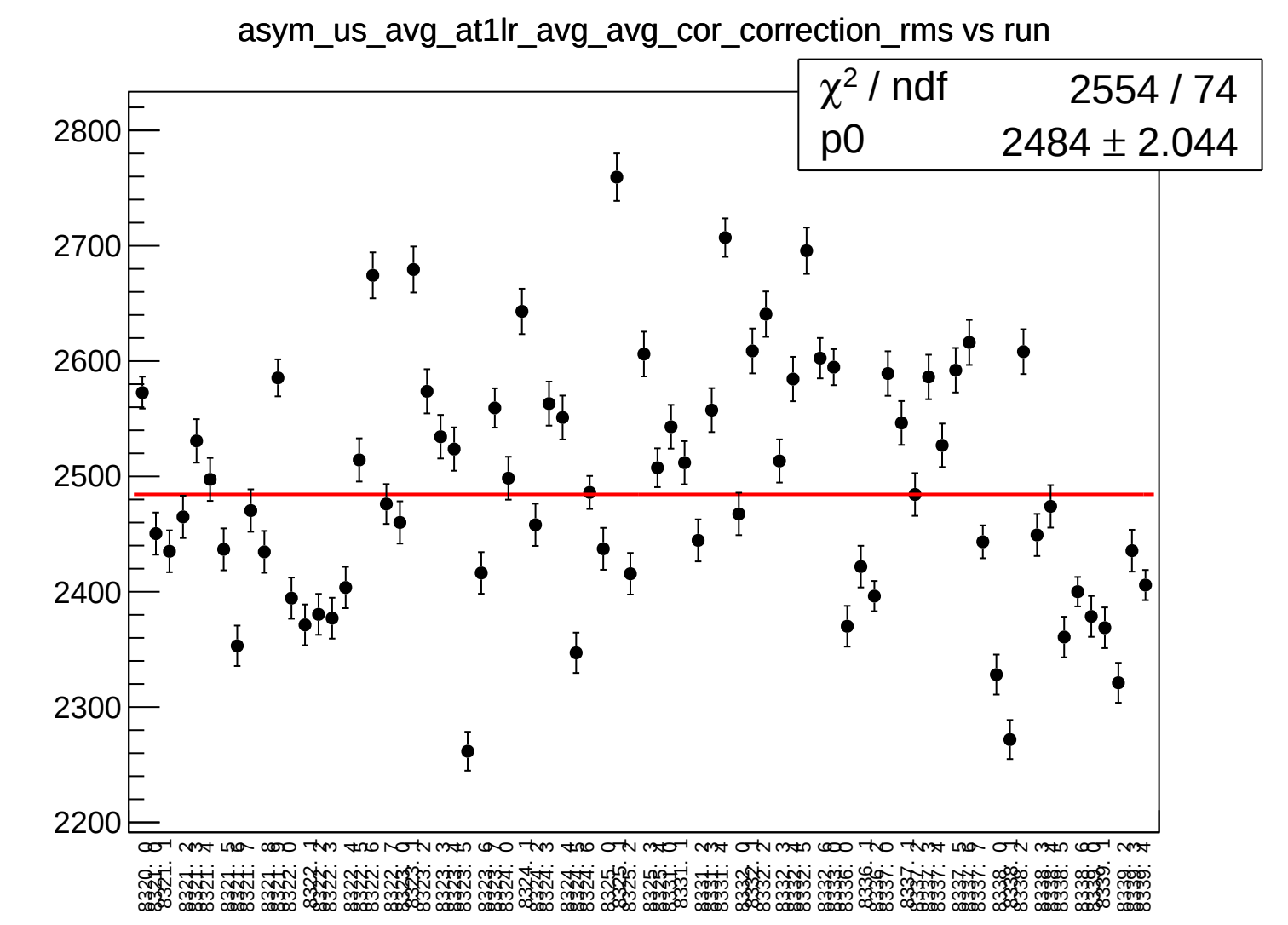

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 82.52 / 74
p0 −5932 ± 2524
pull
Entries 75
Mean −182.5
Std Dev 0

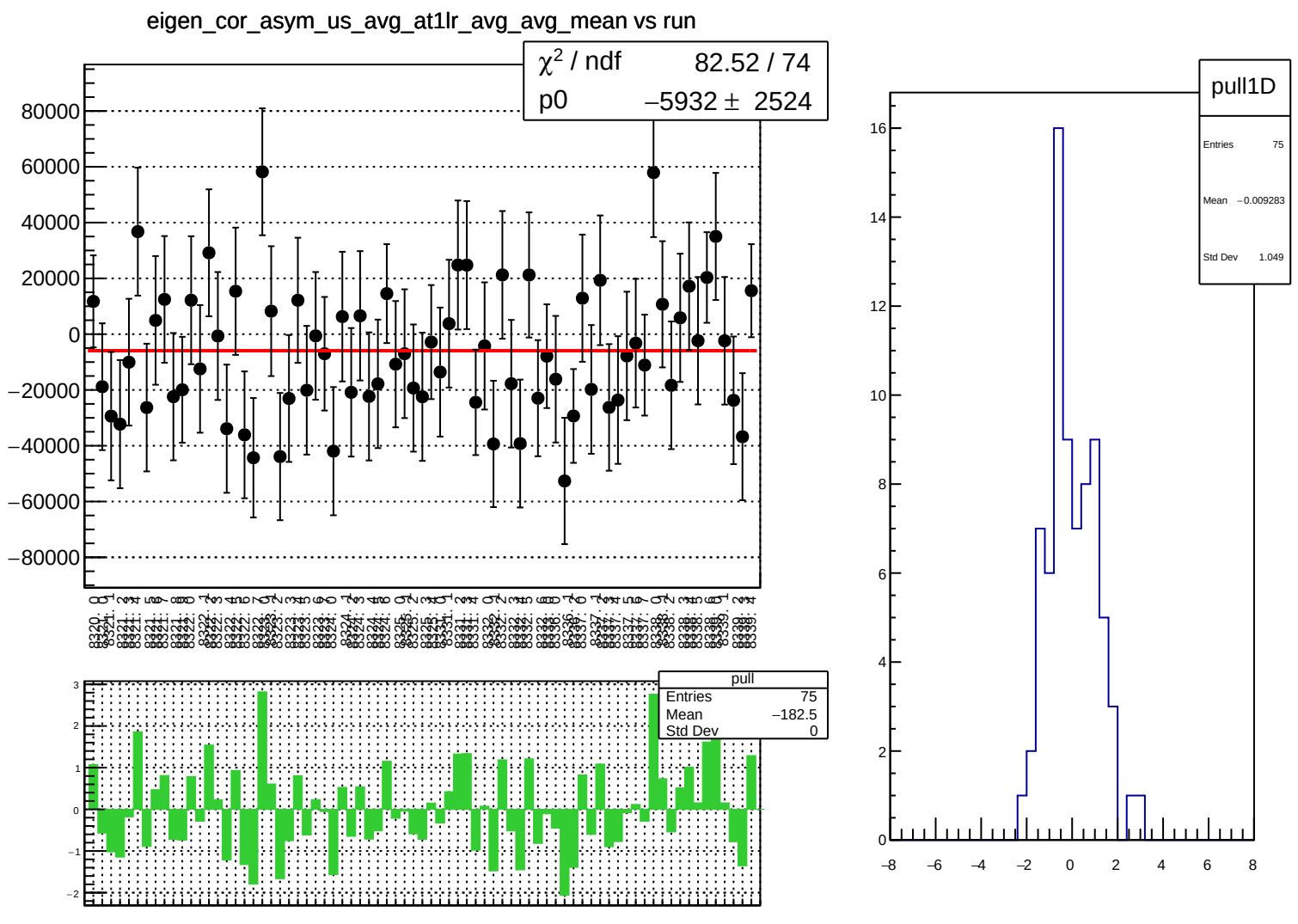

pull1D
Entries 75
Mean −0.009283
Std Dev 1.049

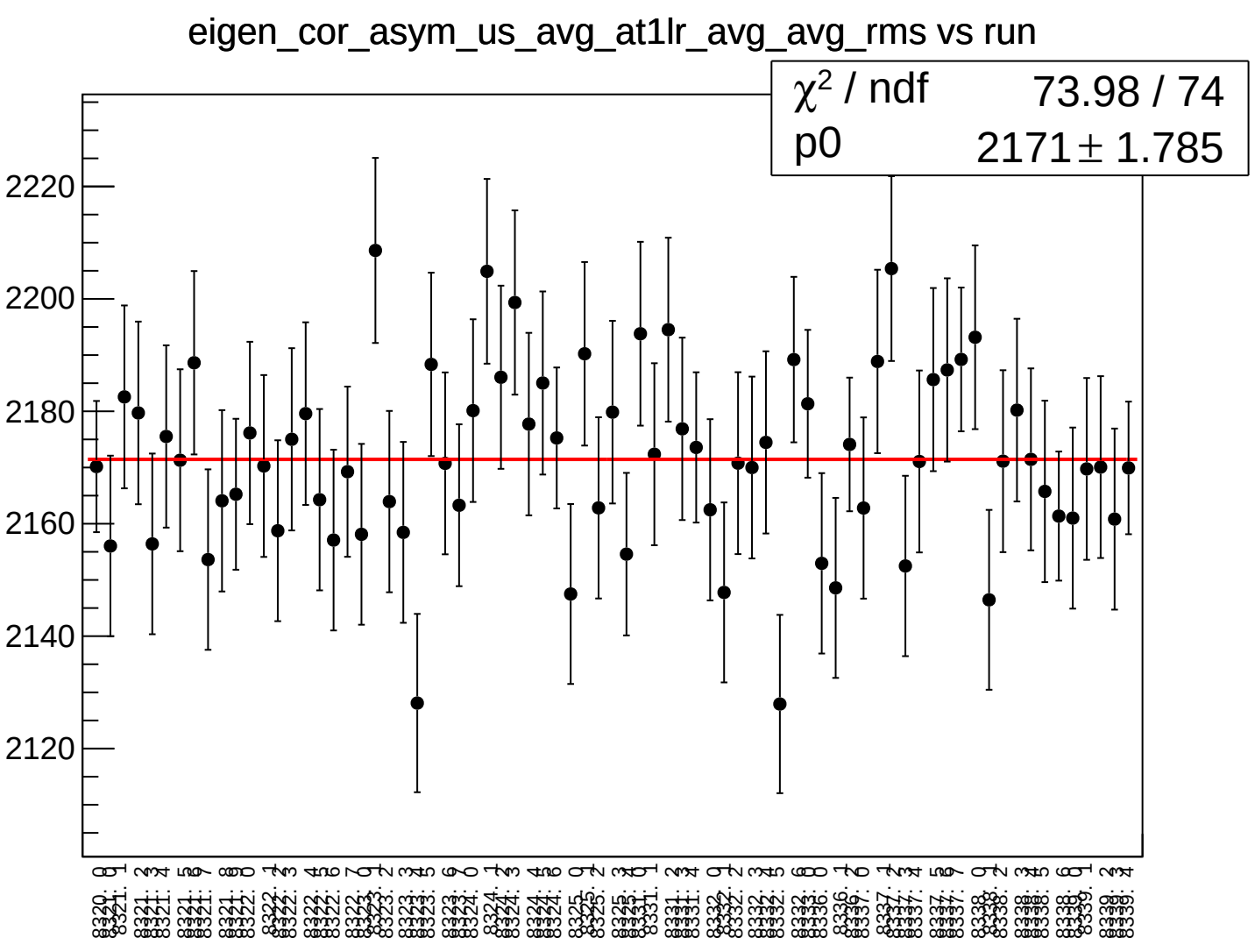

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 73.98 / 74
p0 2171 ± 1.785
2220
2200
2180
2160
2140
2120

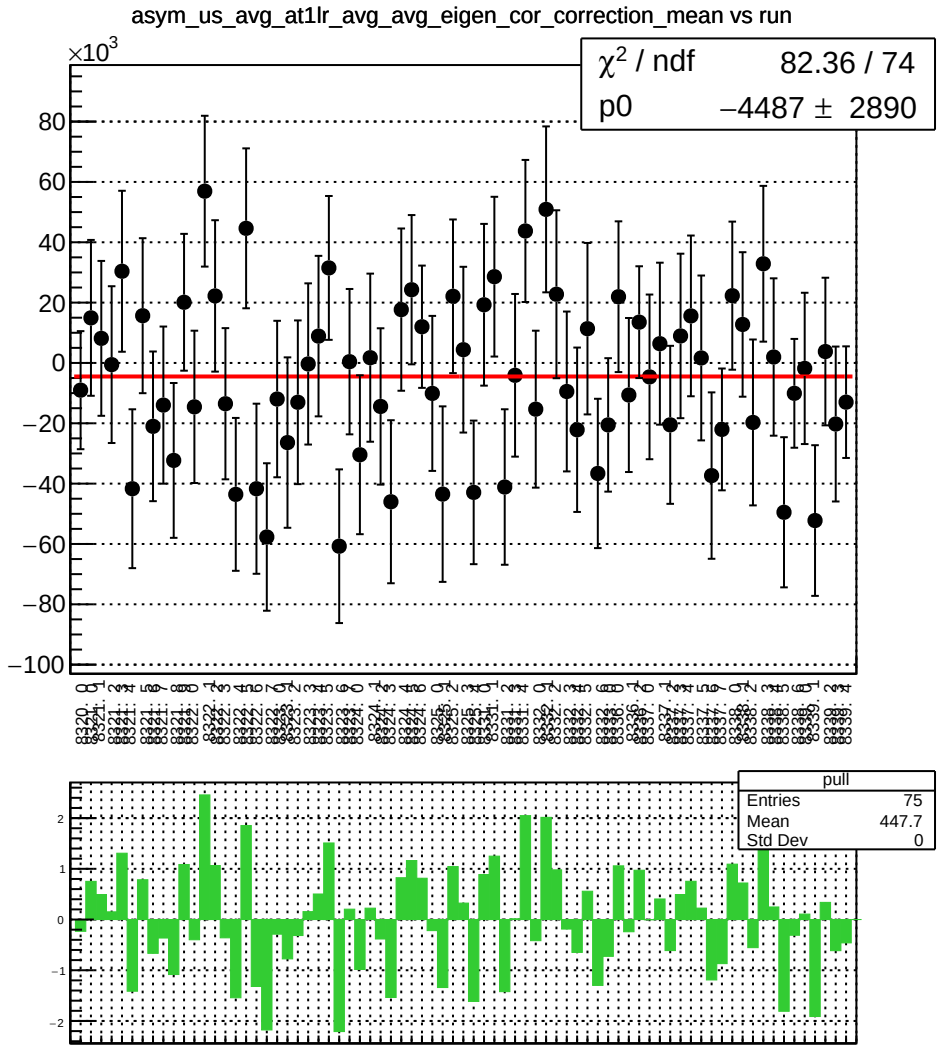

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 82.36 / 74
p0 −4487 ± 2890
pull
Entries 75
Mean 447.7
Std Dev 0

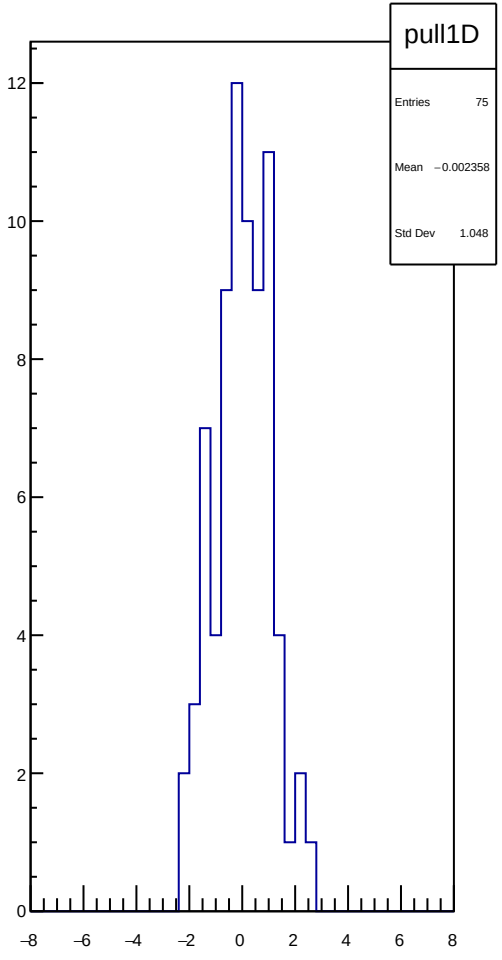

pull1D
Entries 75
Mean −0.002358
Std Dev 1.048

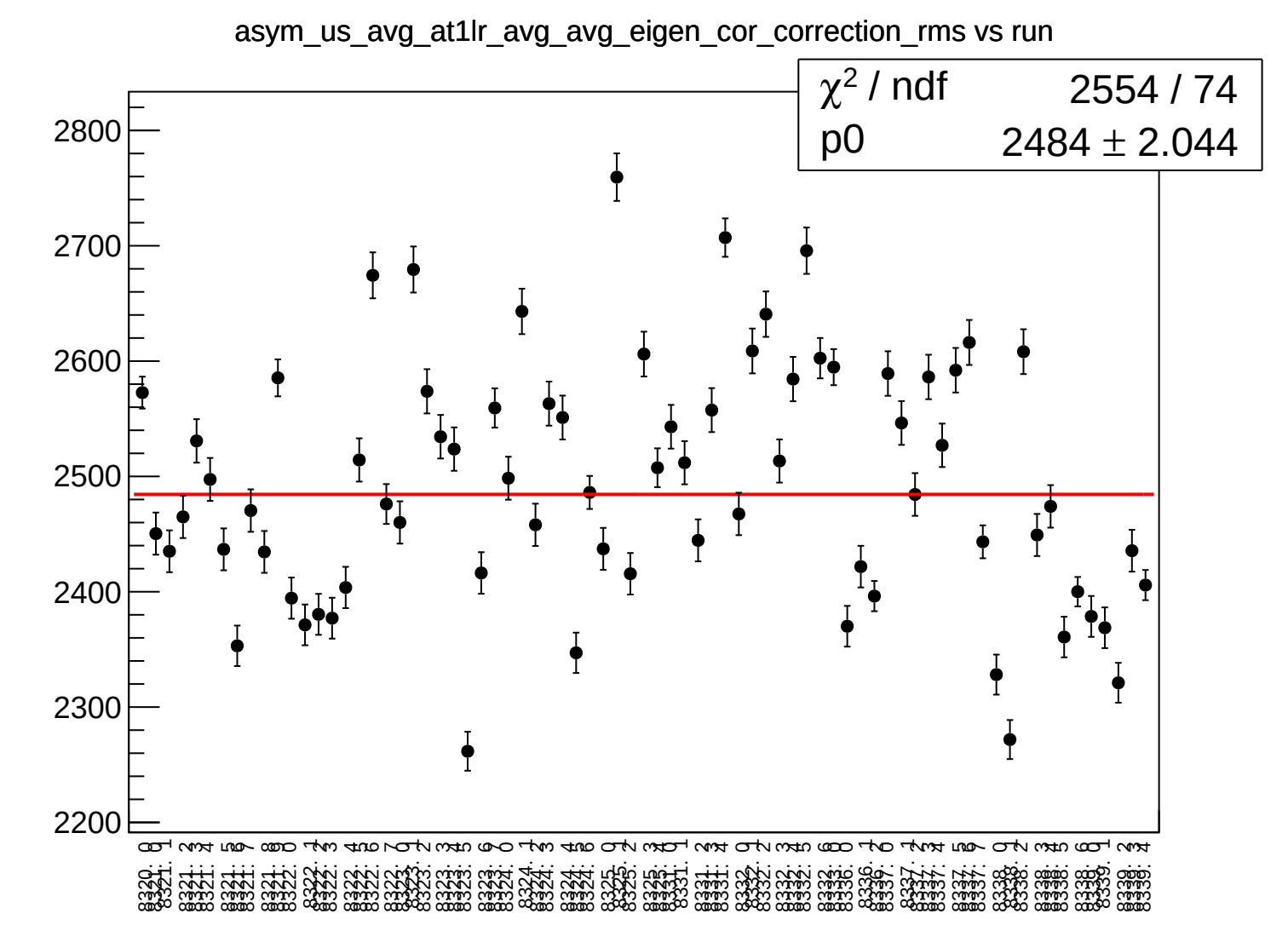

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2554 / 74
p0 2484 ± 2.044
2800
2700
2600
2500
2400
2300
2200

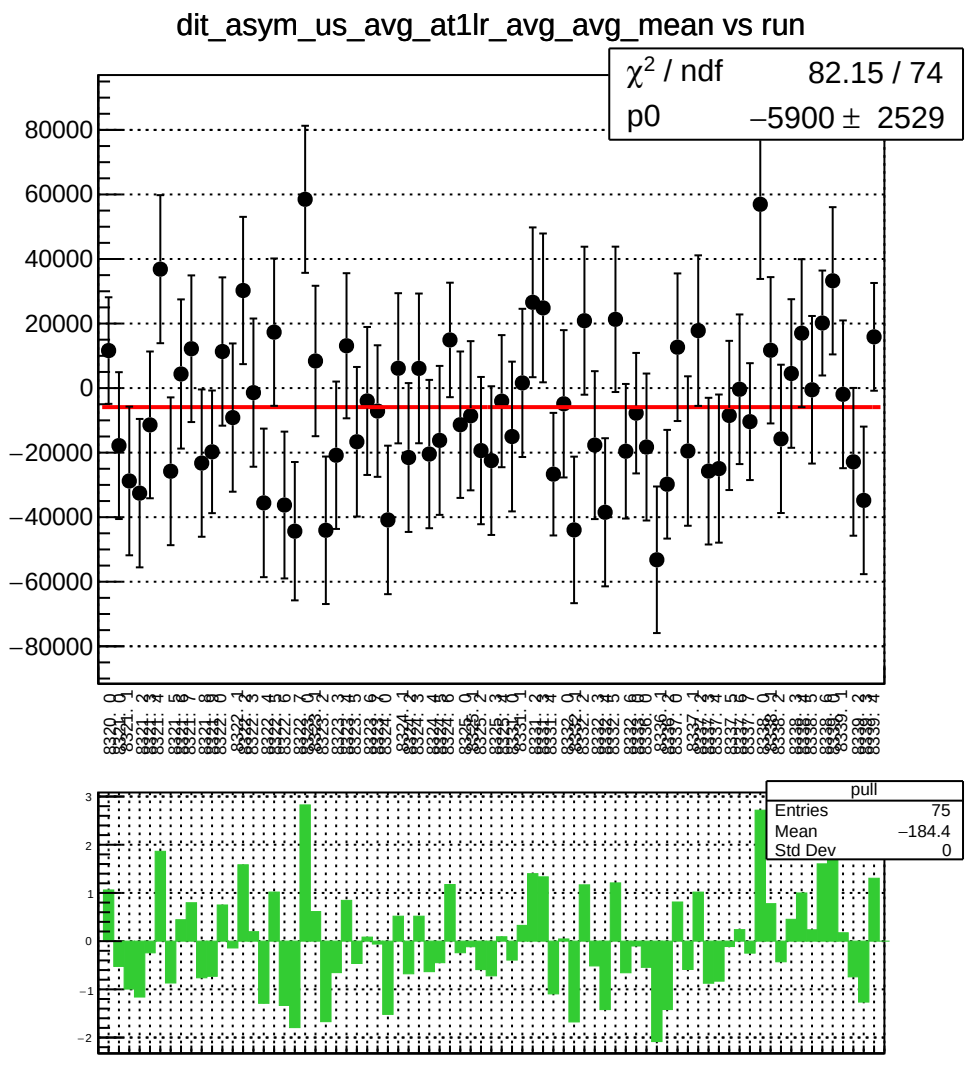

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 82.52 / 74
p0 −5932 ± 2524
pull
Entries 75
Mean −182.5
Std Dev 0
pull1D
Entries 75
Mean −0.009283
Std Dev 1.049

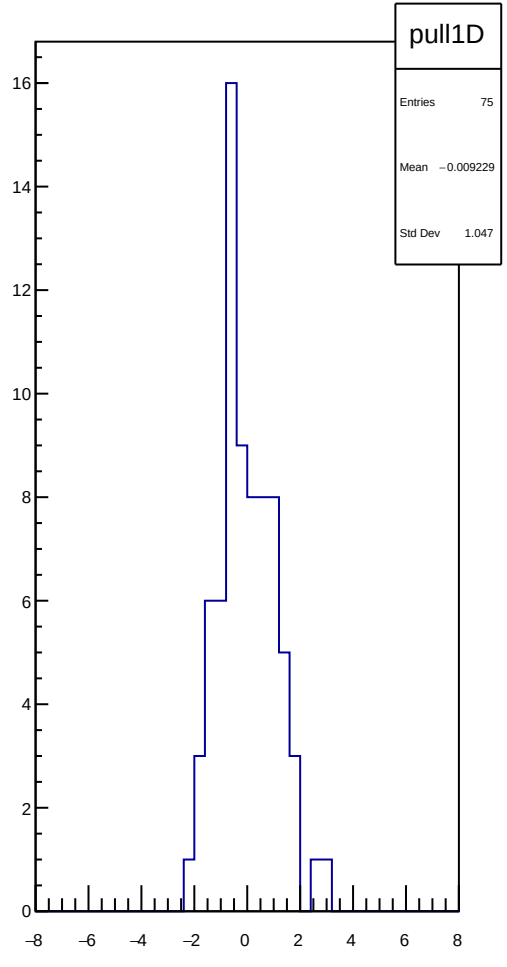

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 73.98 / 74
p0 2171 ± 1.785
2220
2200
2180
2160
2140
2120

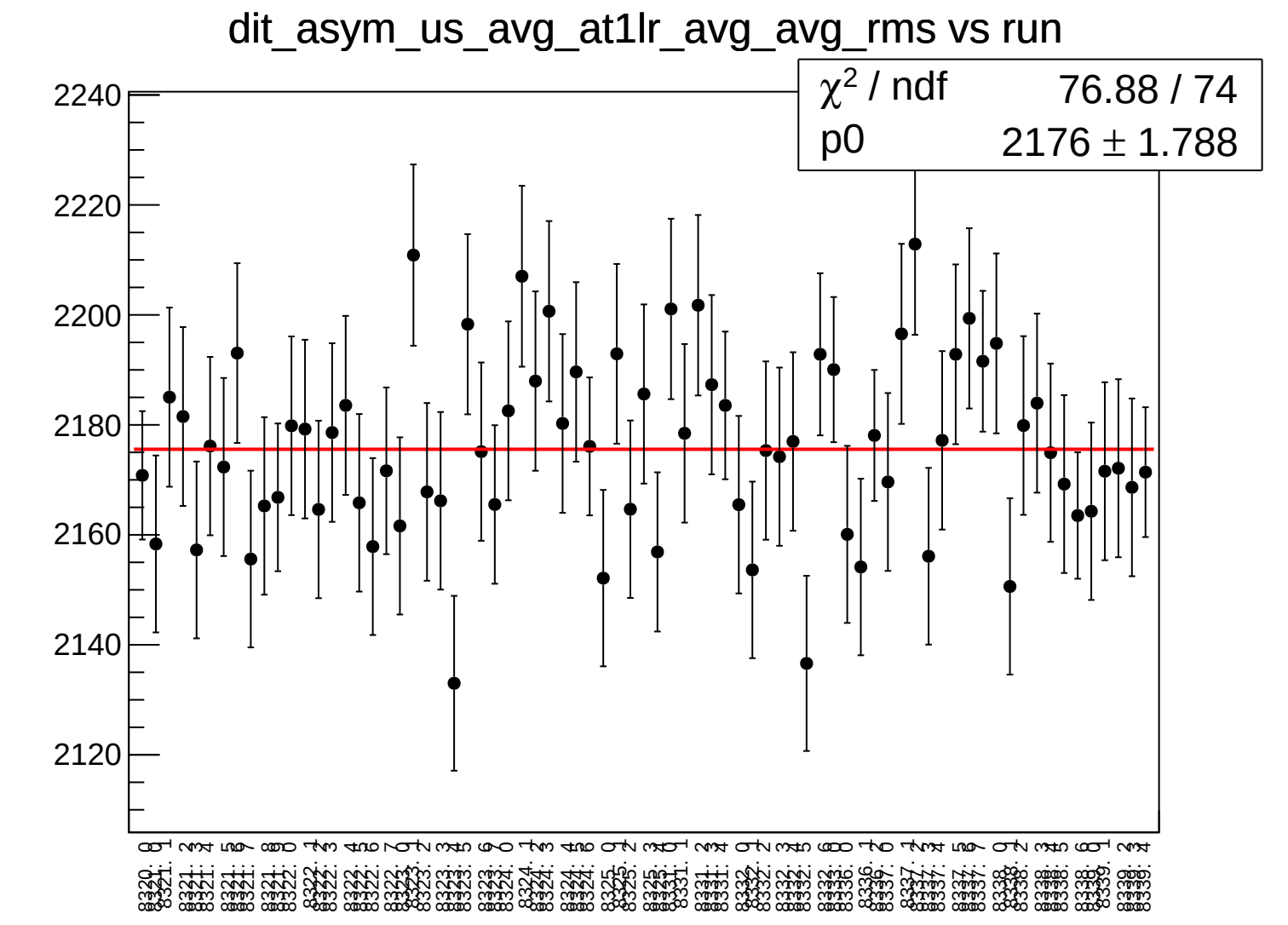

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 82.36 / 74
p0 −4487 ± 2890
pull
Entries 75
Mean 447.7
Std Dev 0

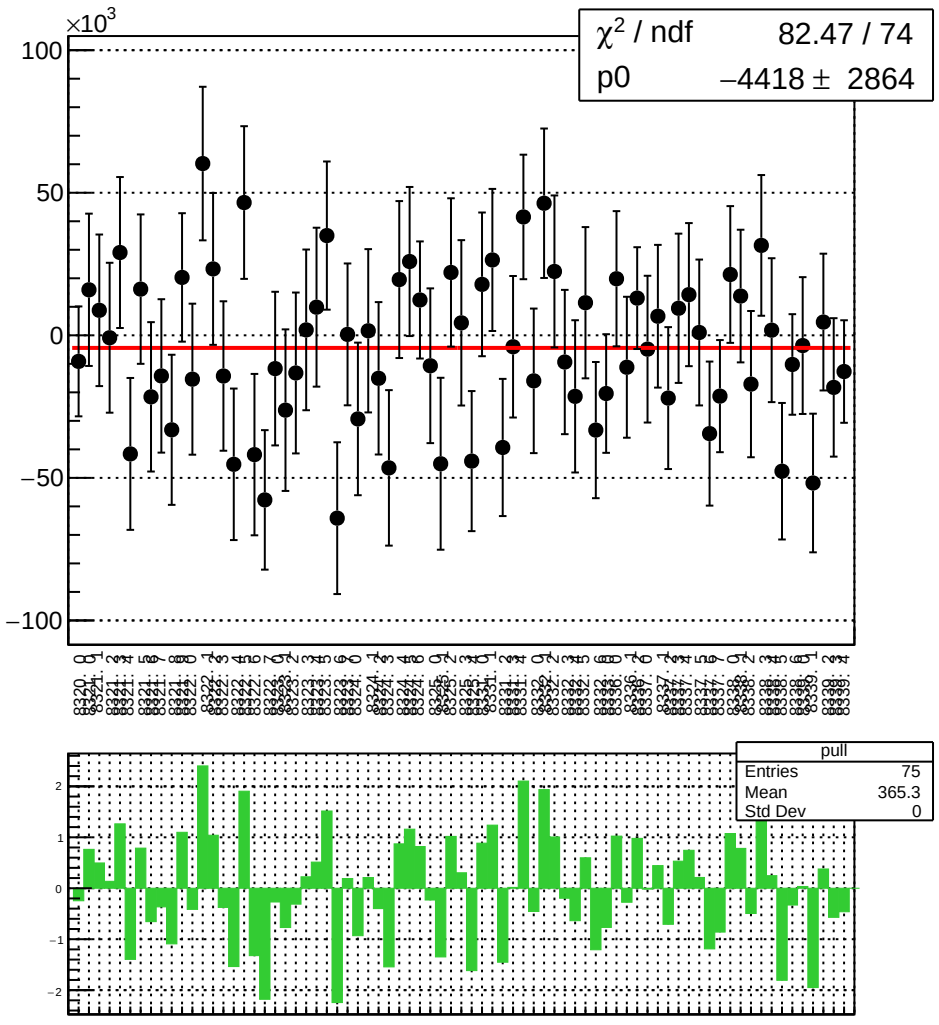

pull1D
Entries 75
Mean −0.002358
Std Dev 1.048

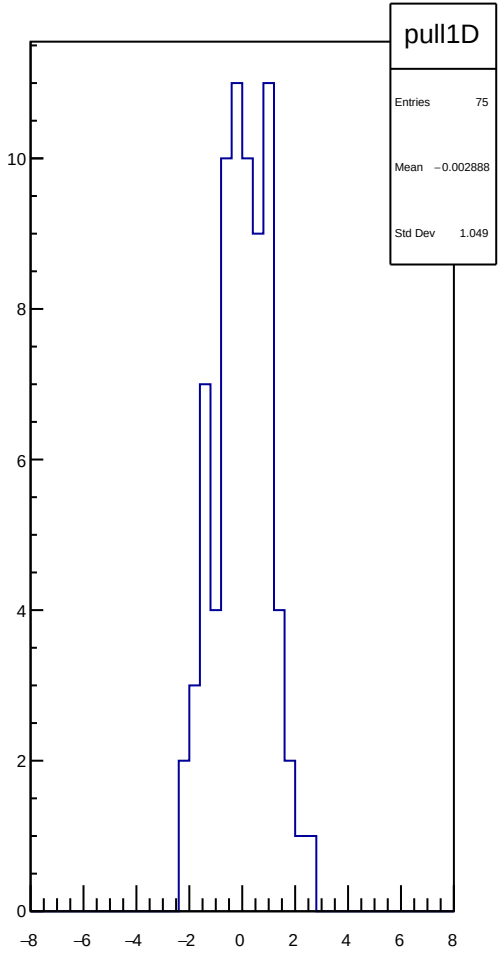

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2554 / 74
p0 2484 ± 2.044
2800
2700
2600
2500
2400
2300
2200

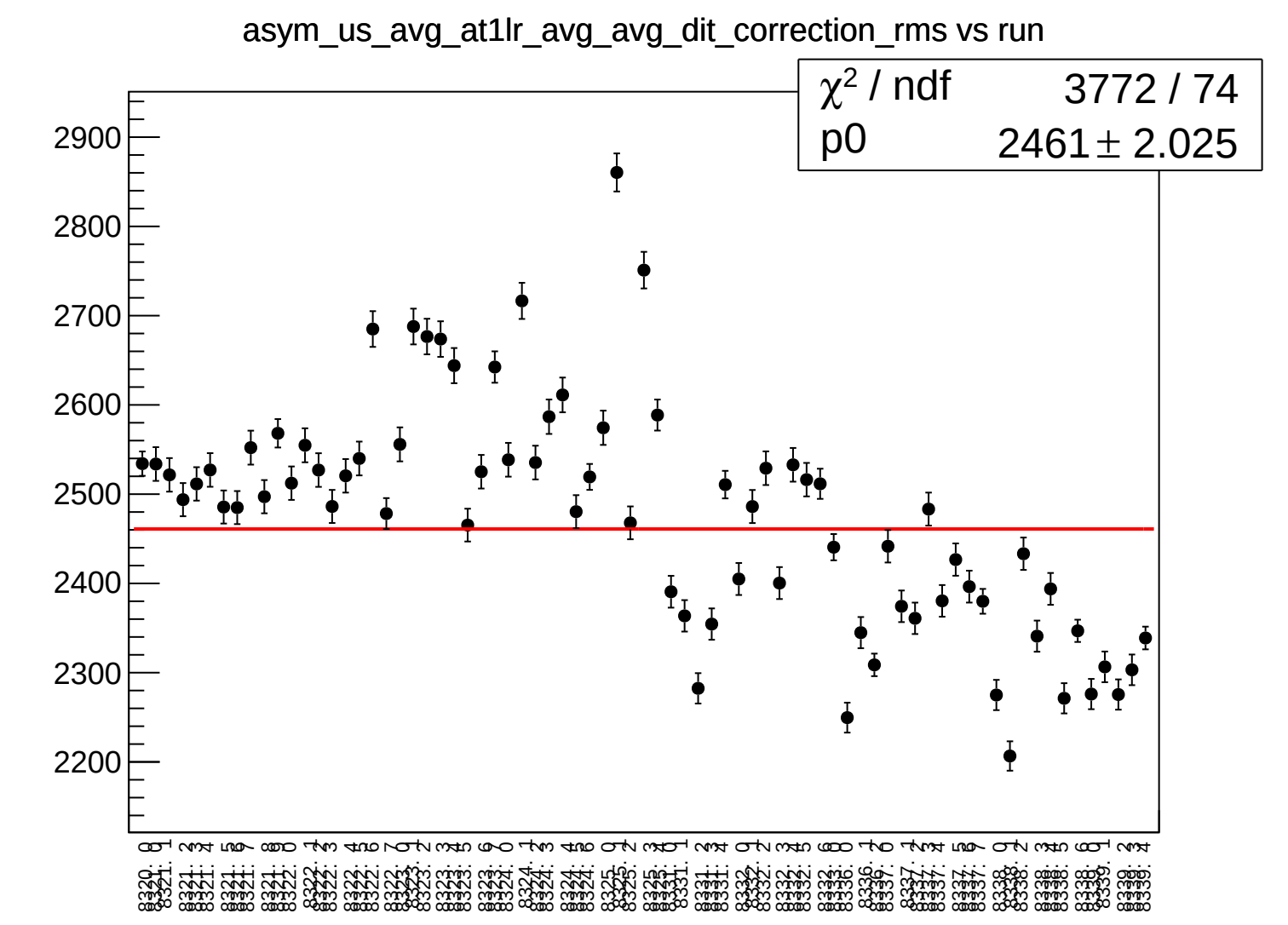

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 82.15 / 74
p0 −5900 ± 2529
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −184.4
Std Dev 0
3
2
1
0
−1
−2

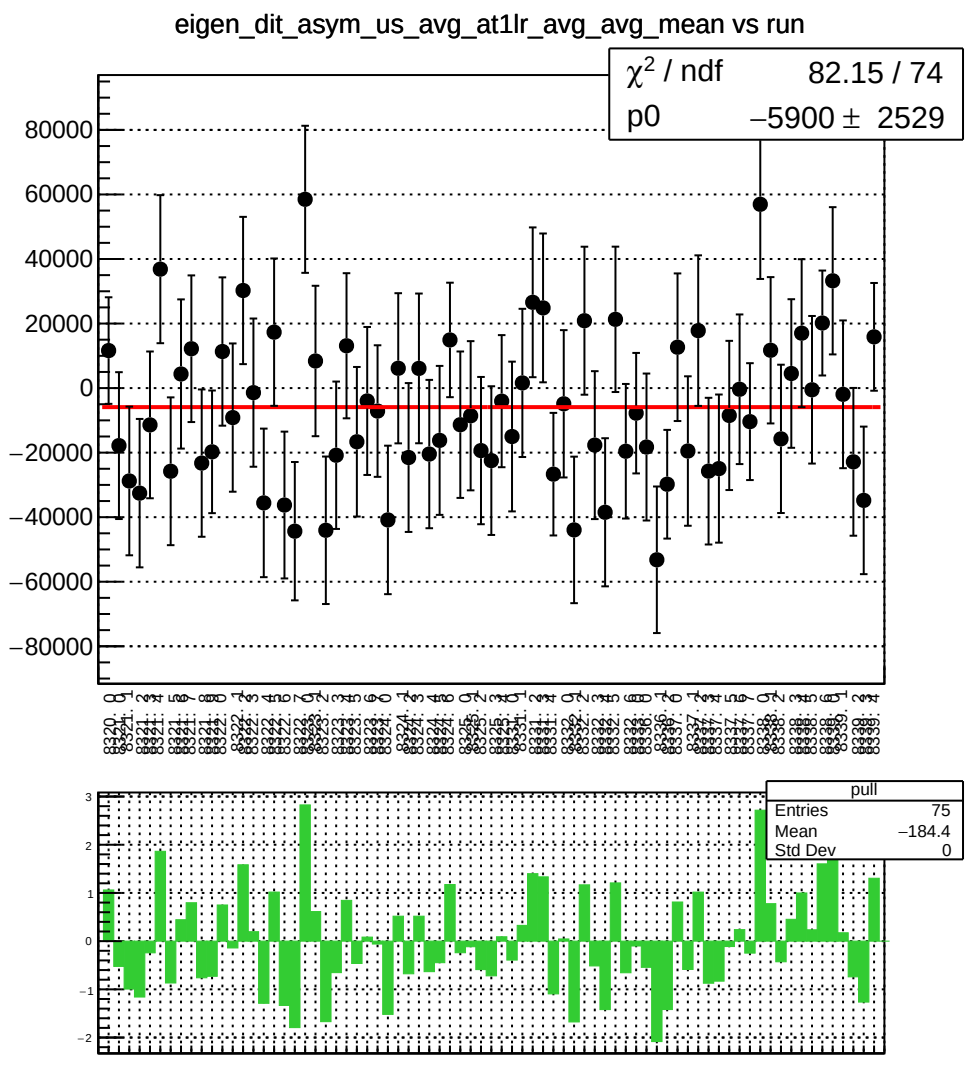

pull1D
Entries 75
Mean −0.009229
Std Dev 1.047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

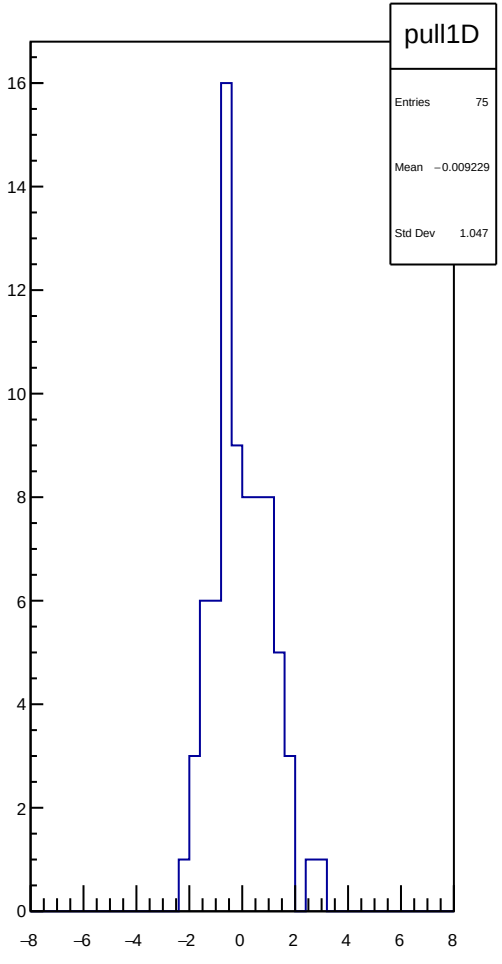

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 76.88 / 74
p0 2176 ± 1.788
2240
2220
2200
2180
2160
2140
2120

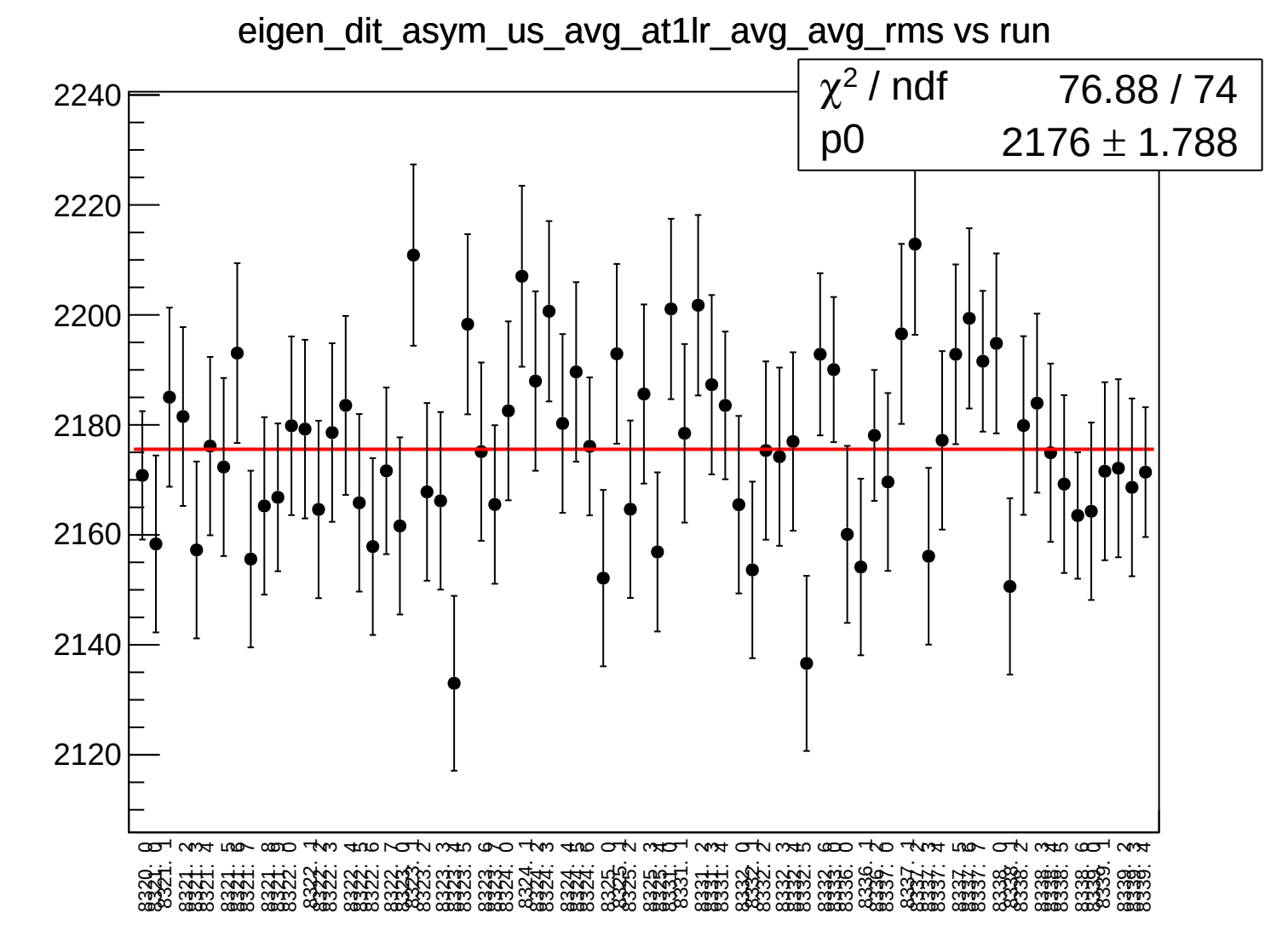

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 82.47 / 74
p0 −4418 ± 2864
pull
Entries 75
Mean 365.3
Std Dev 0

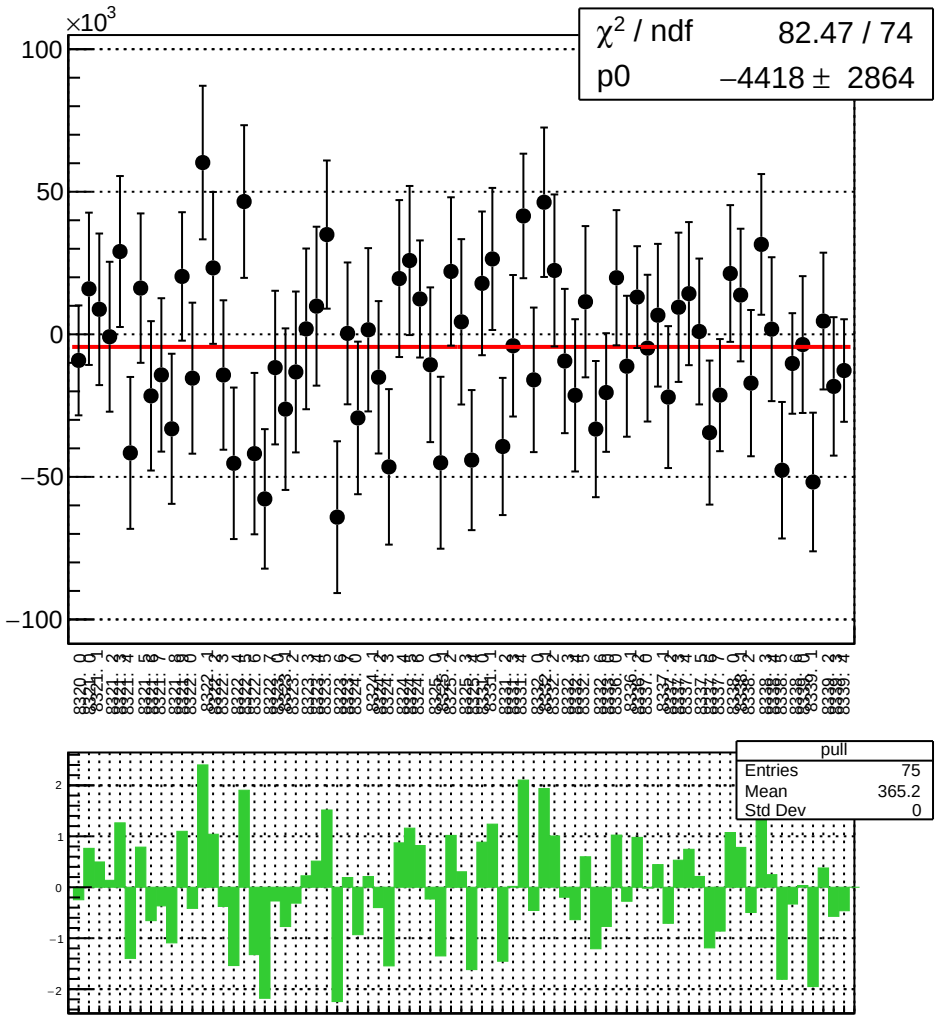

pull1D
Entries 75
Mean −0.002888
Std Dev 1.049

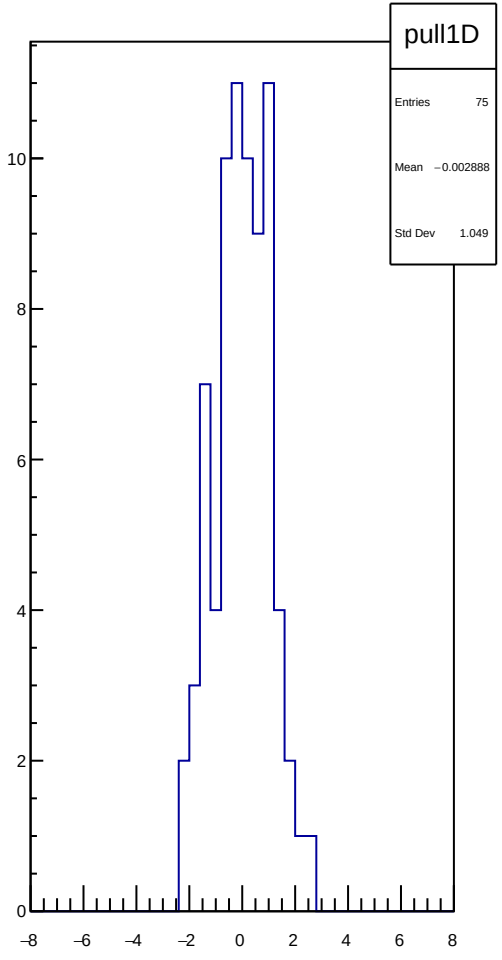

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3772 / 74
p0 2461 ± 2.025
2900
2800
2700
2600
2500
2400
2300
2200

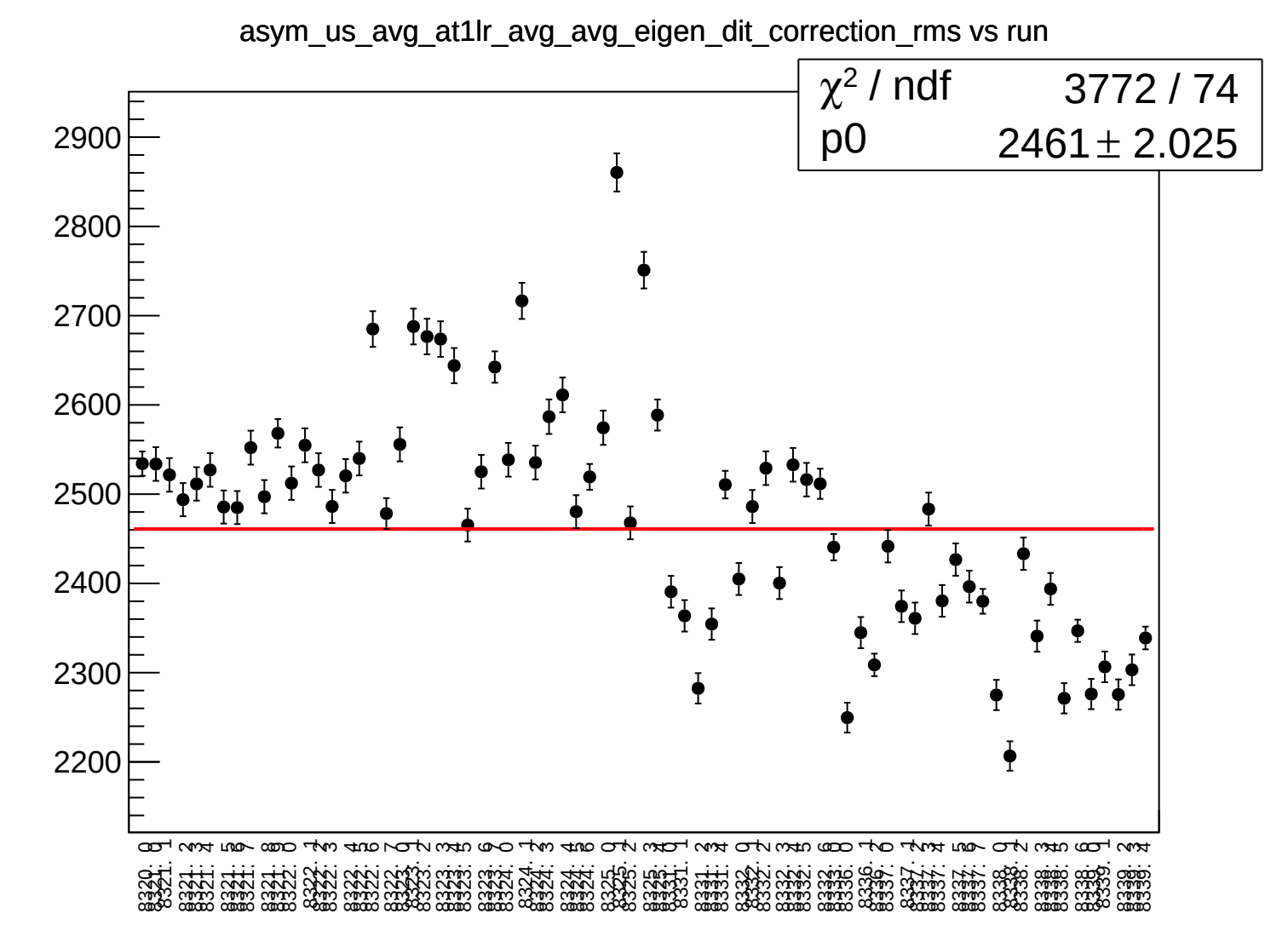

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 82.15 / 74
p0 −5900 ± 2529
pull
Entries 75
Mean −184.4
Std Dev 0

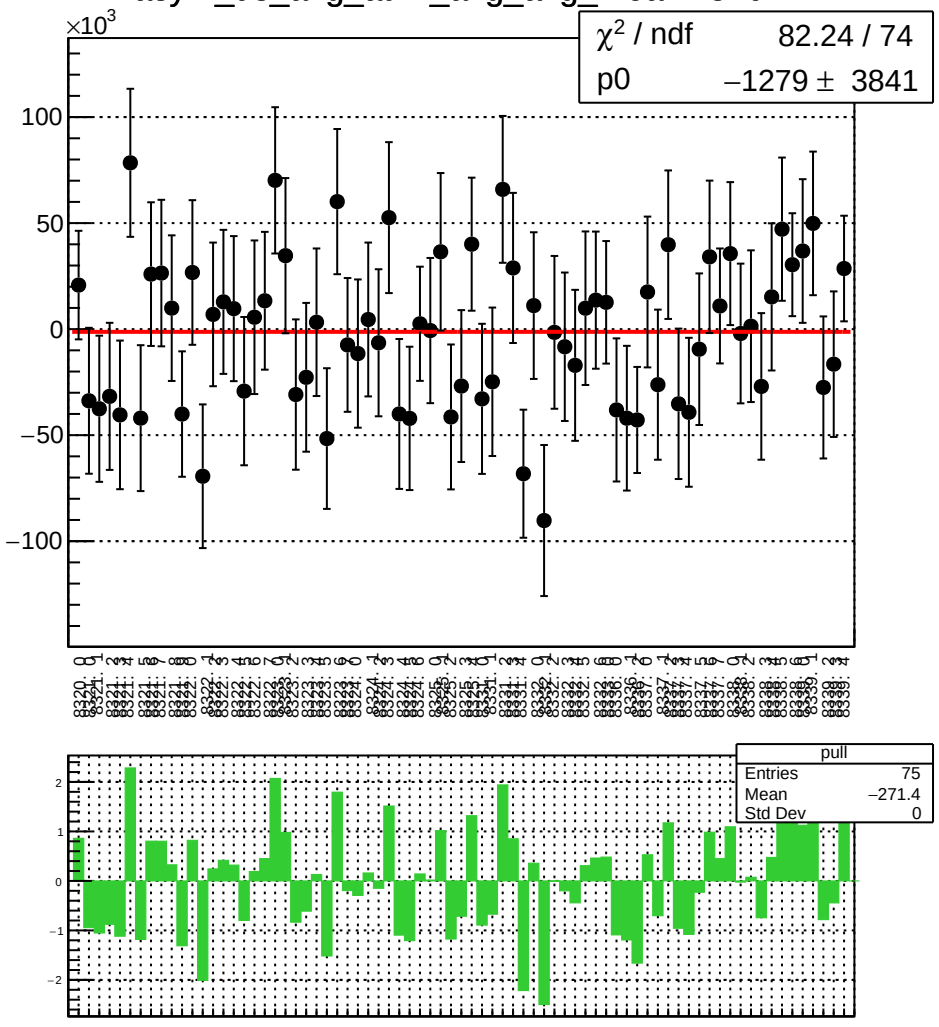

pull1D
Entries 75
Mean −0.009229
Std Dev 1.047

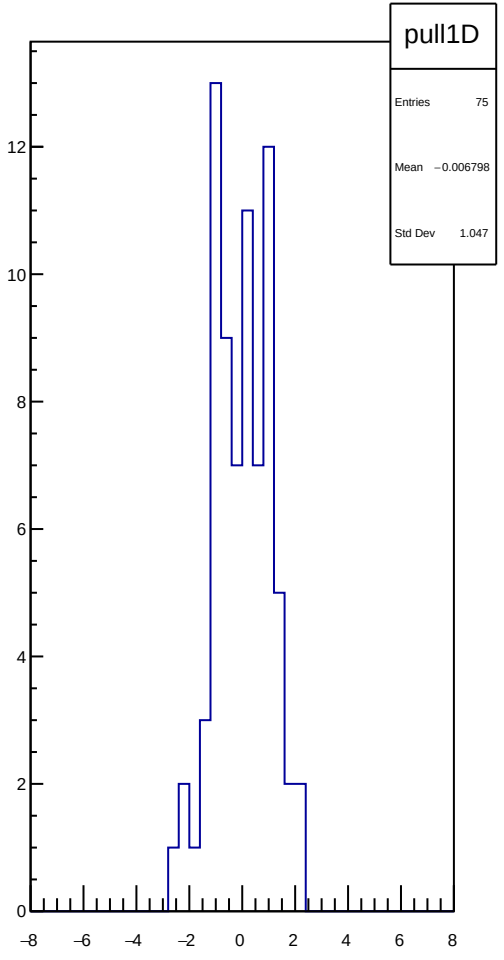

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 76.88 / 74
p0 2176 ± 1.788
2240
2220
2200
2180
2160
2140
2120

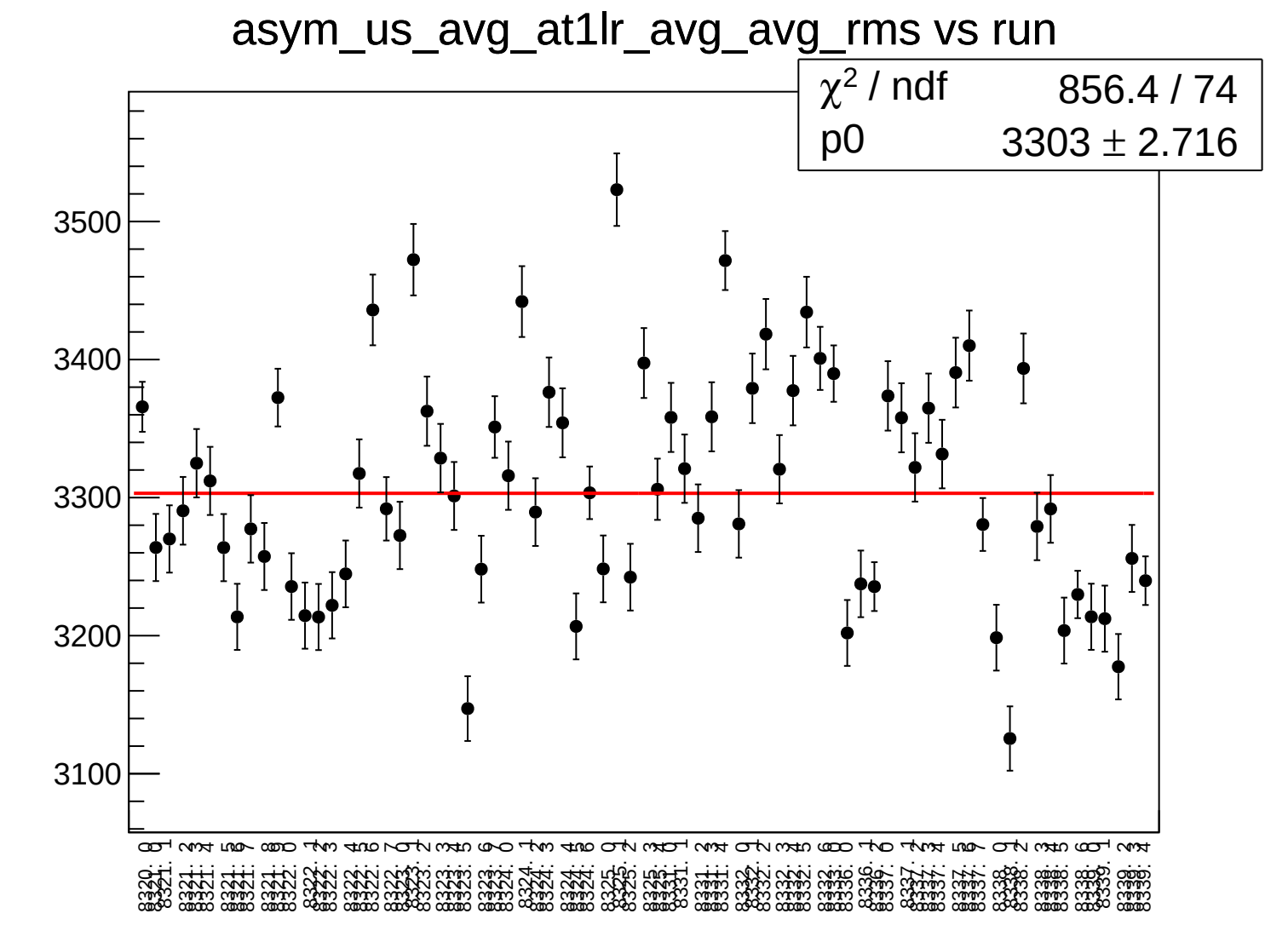

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.47 / 74
p0 −4418 ± 2864
pull
Entries 75
Mean 365.2
Std Dev 0

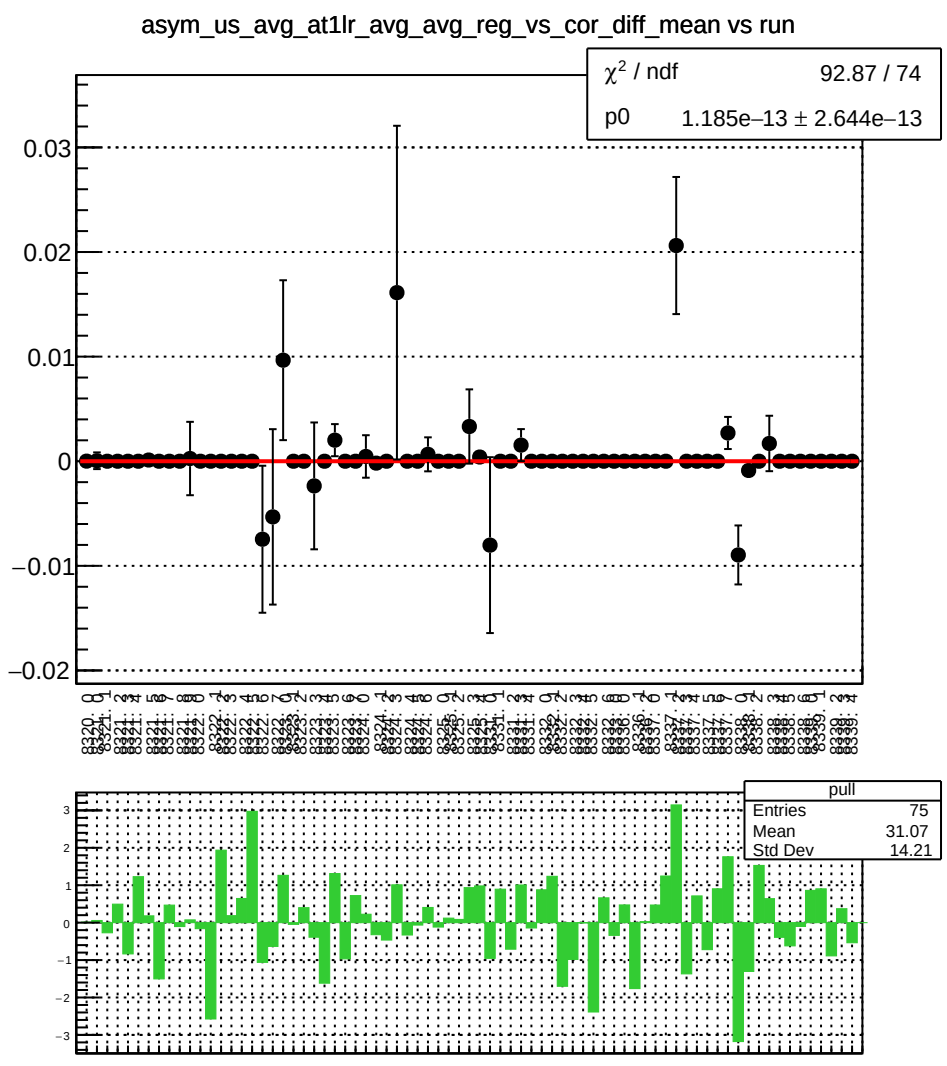

pull1D
Entries 75
Mean −0.002888
Std Dev 1.049

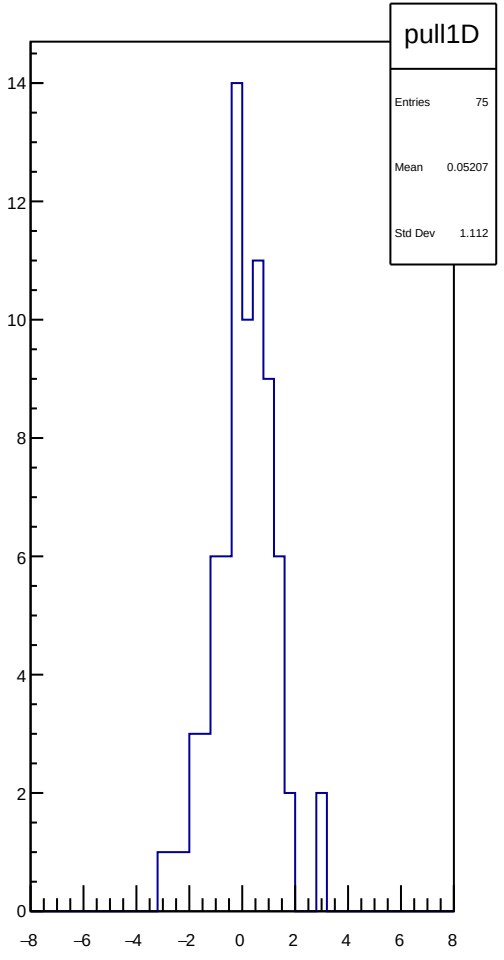

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3772 / 74
p0 2461 ± 2.025
2900
2800
2700
2600
2500
2400
2300
2200

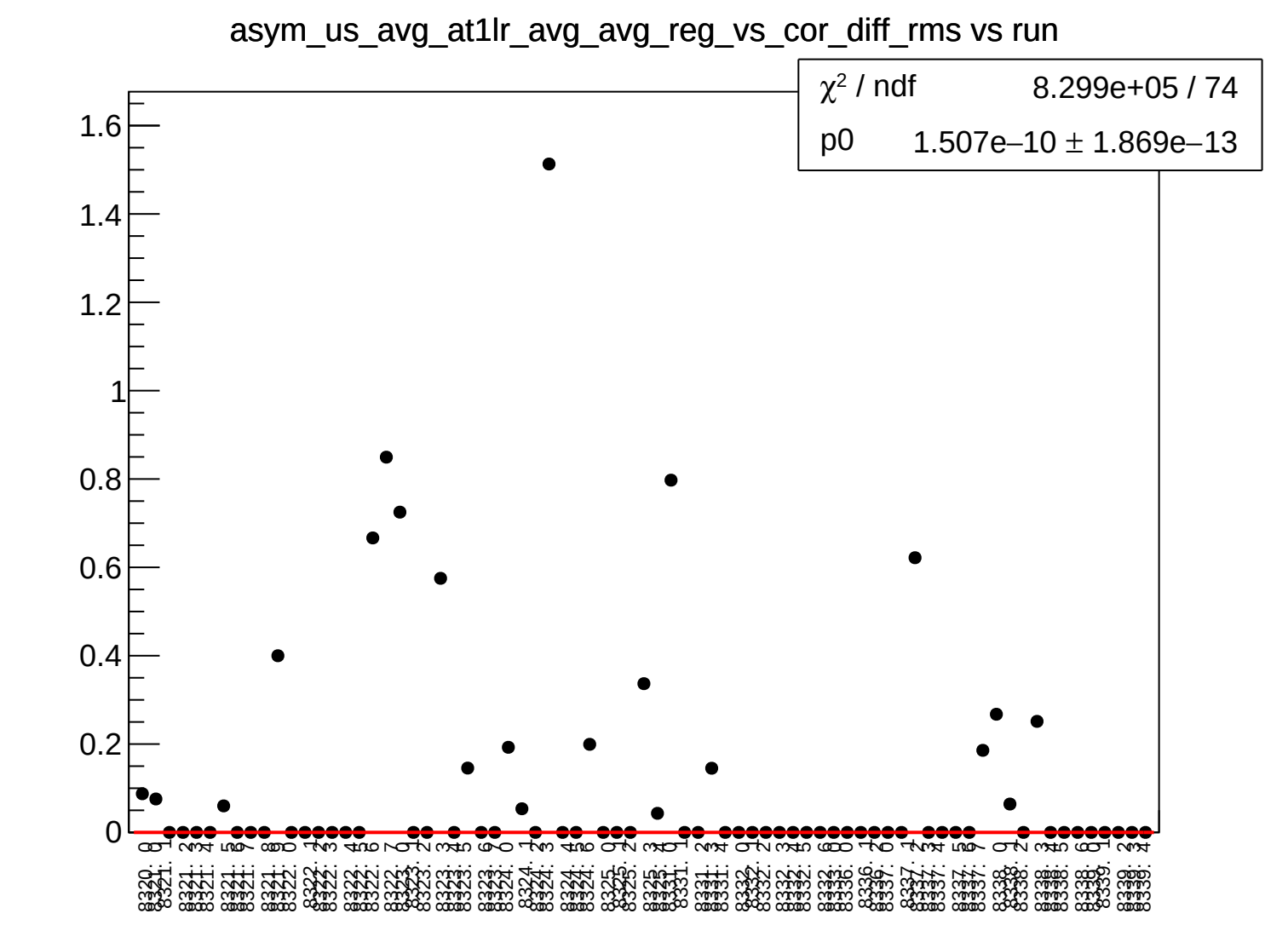

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 82.24 / 74
p0 −1279 ± 3841
100
50
0
−50
−100
pull
Entries 75
Mean −271.4
Std Dev 0
2
1
0
−1
−2

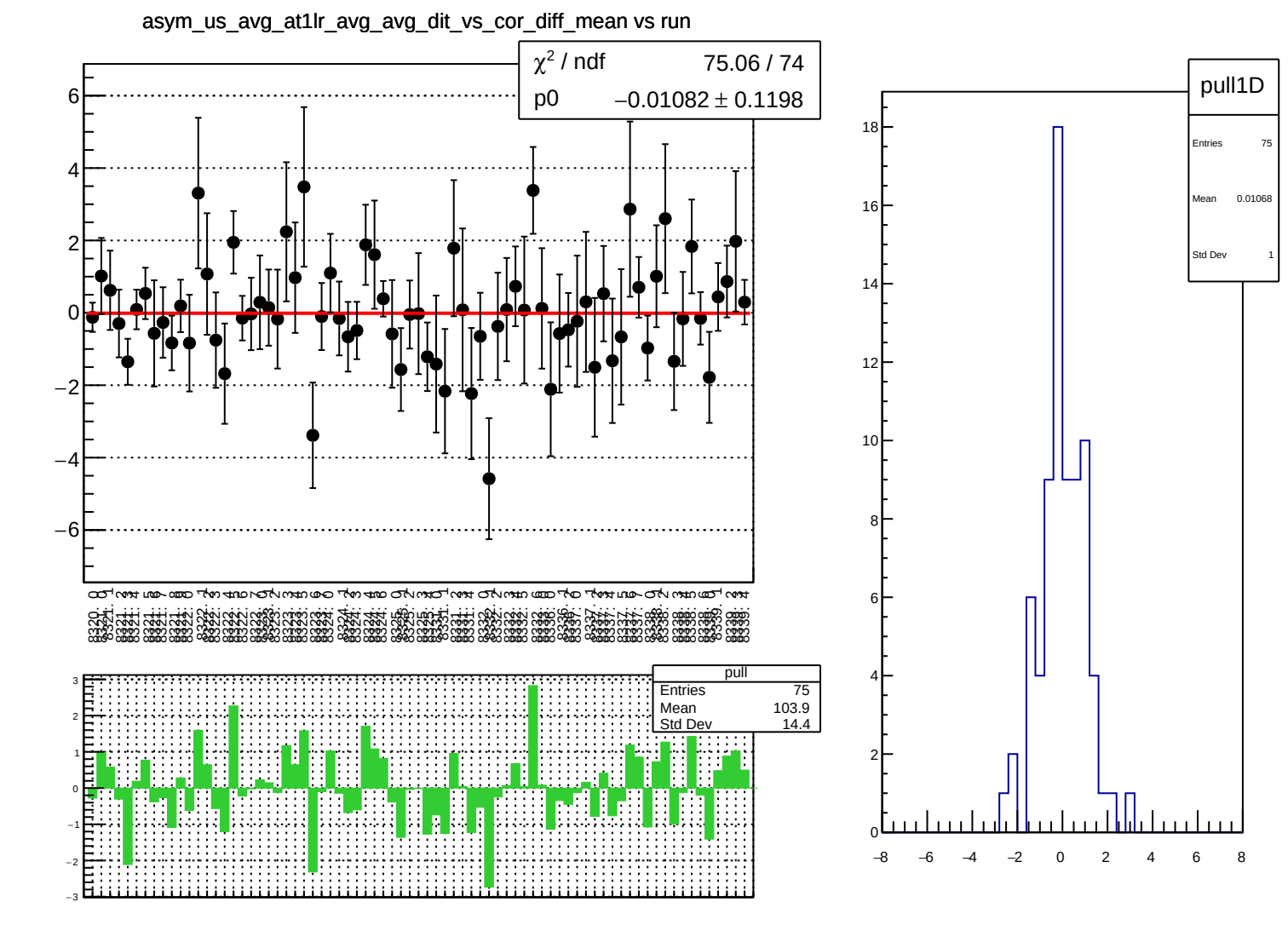

pull1D
Entries 75
Mean −0.006798
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

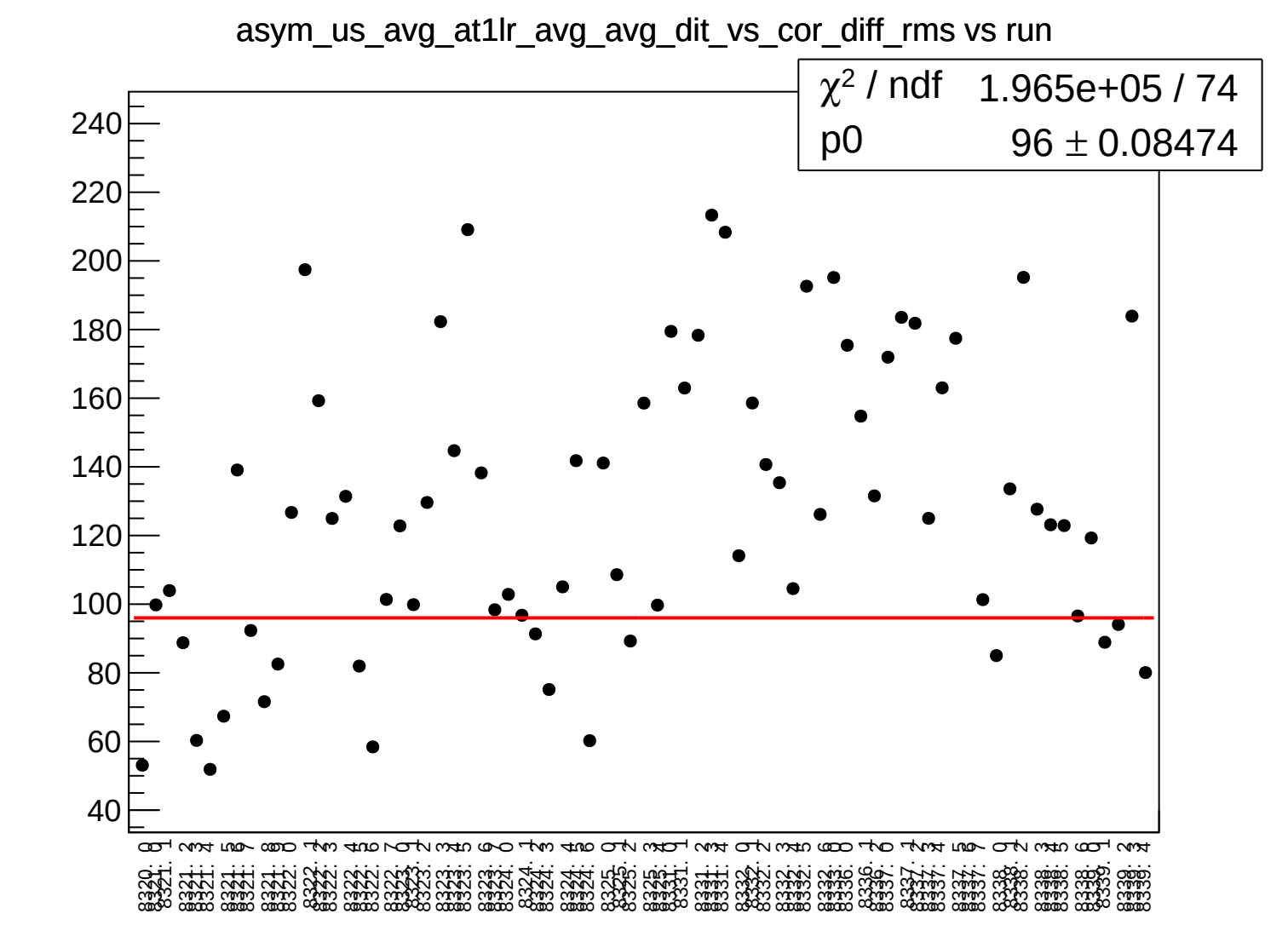

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 856.4 / 74
p0 3303 ± 2.716
3500
3400
3300
3200
3100

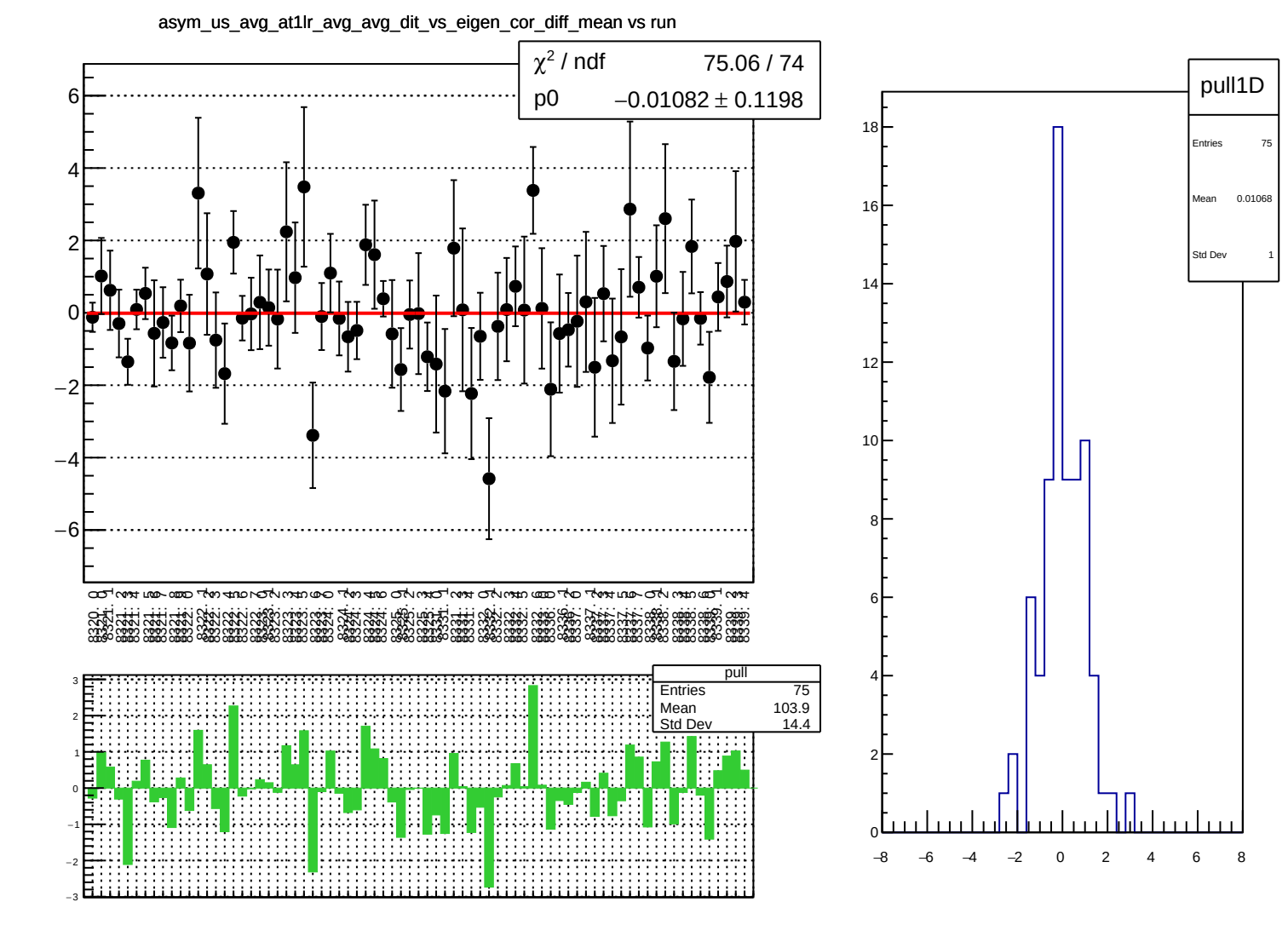

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 92.87 / 74
p0 1.185e−13 ± 2.644e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean 31.07
Std Dev 14.21

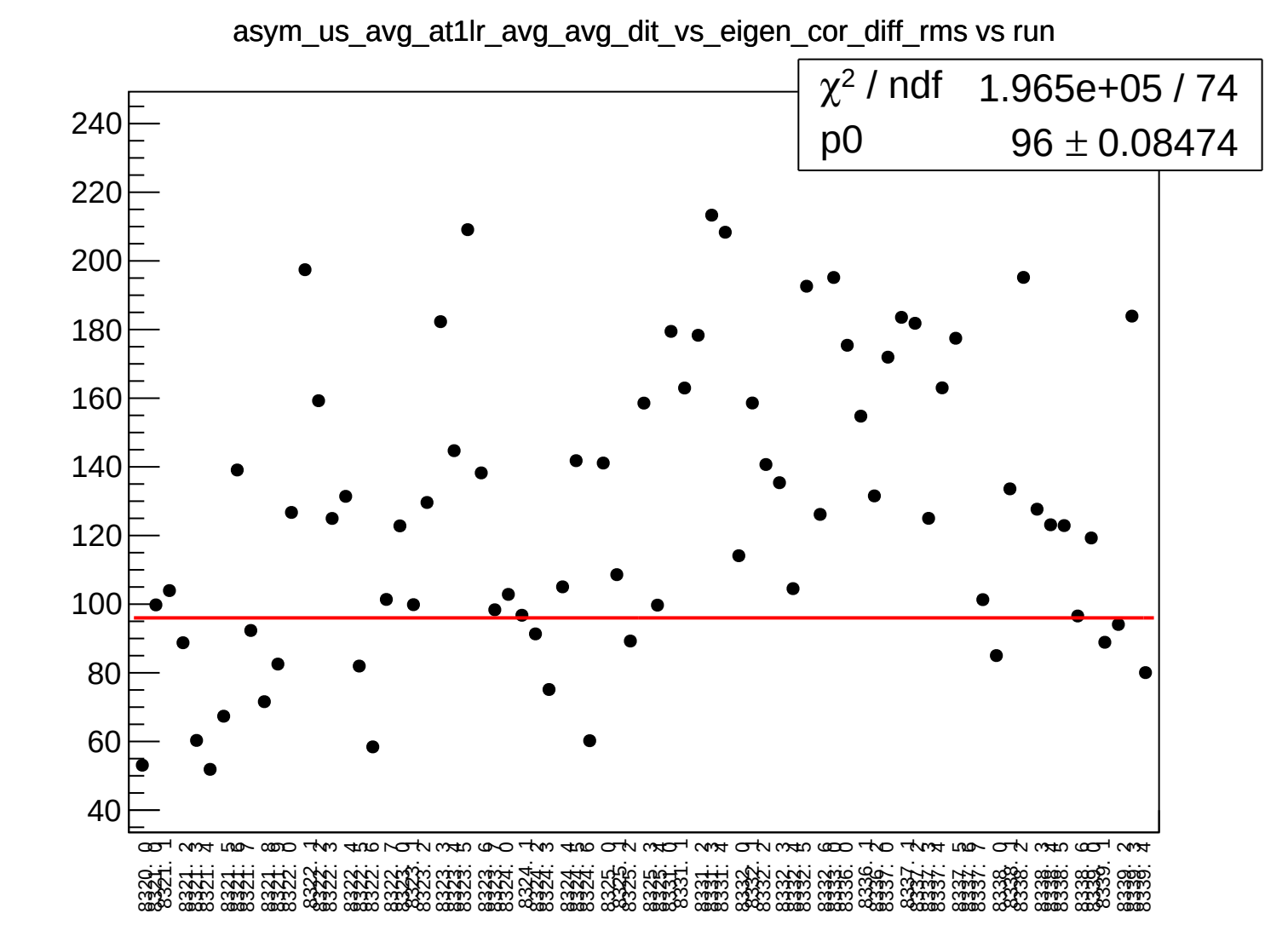

pull1D
Entries 75
Mean 0.05207
Std Dev 1.112

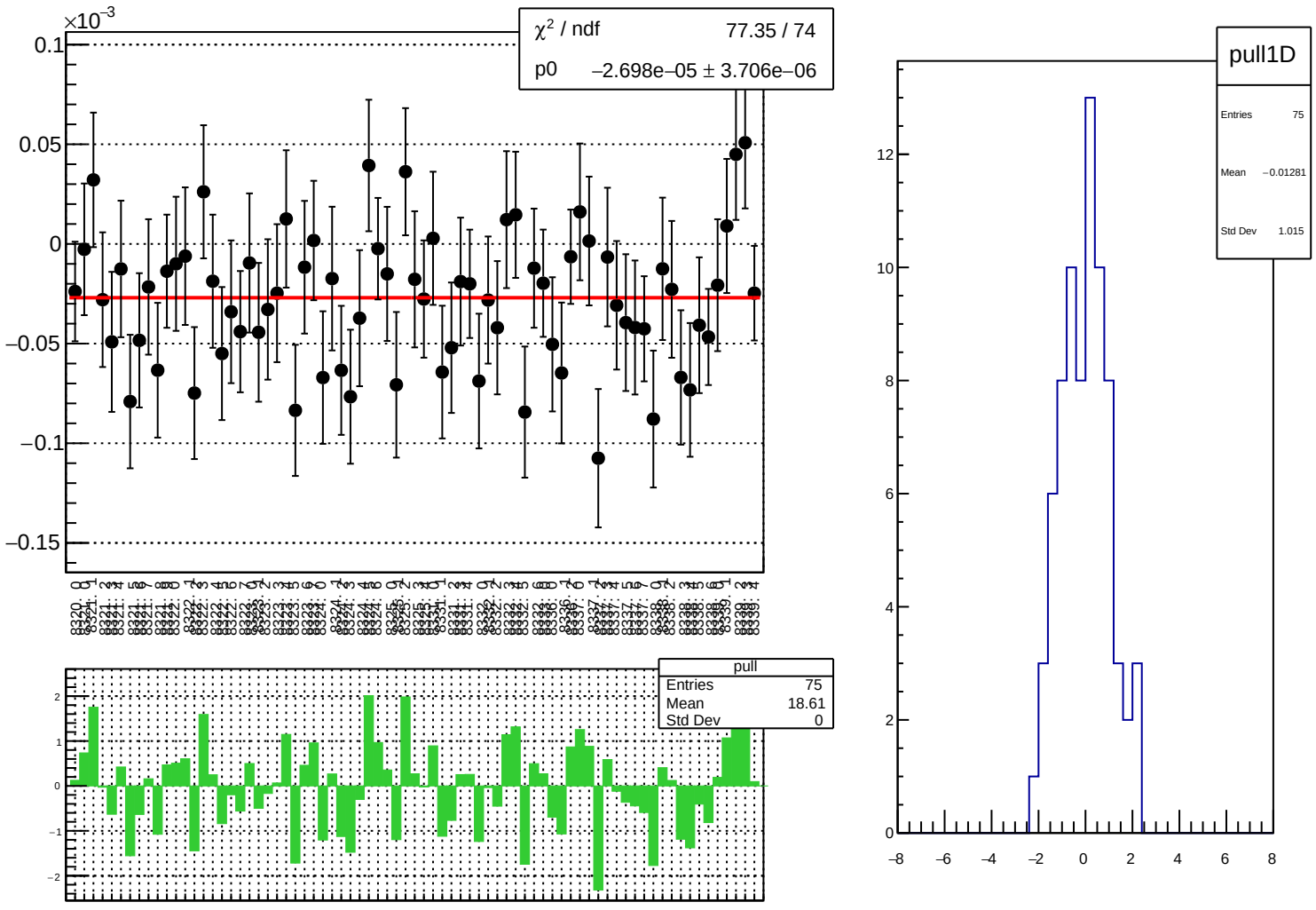

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.299e+05 / 74
p0 1.507e−10 ± 1.869e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

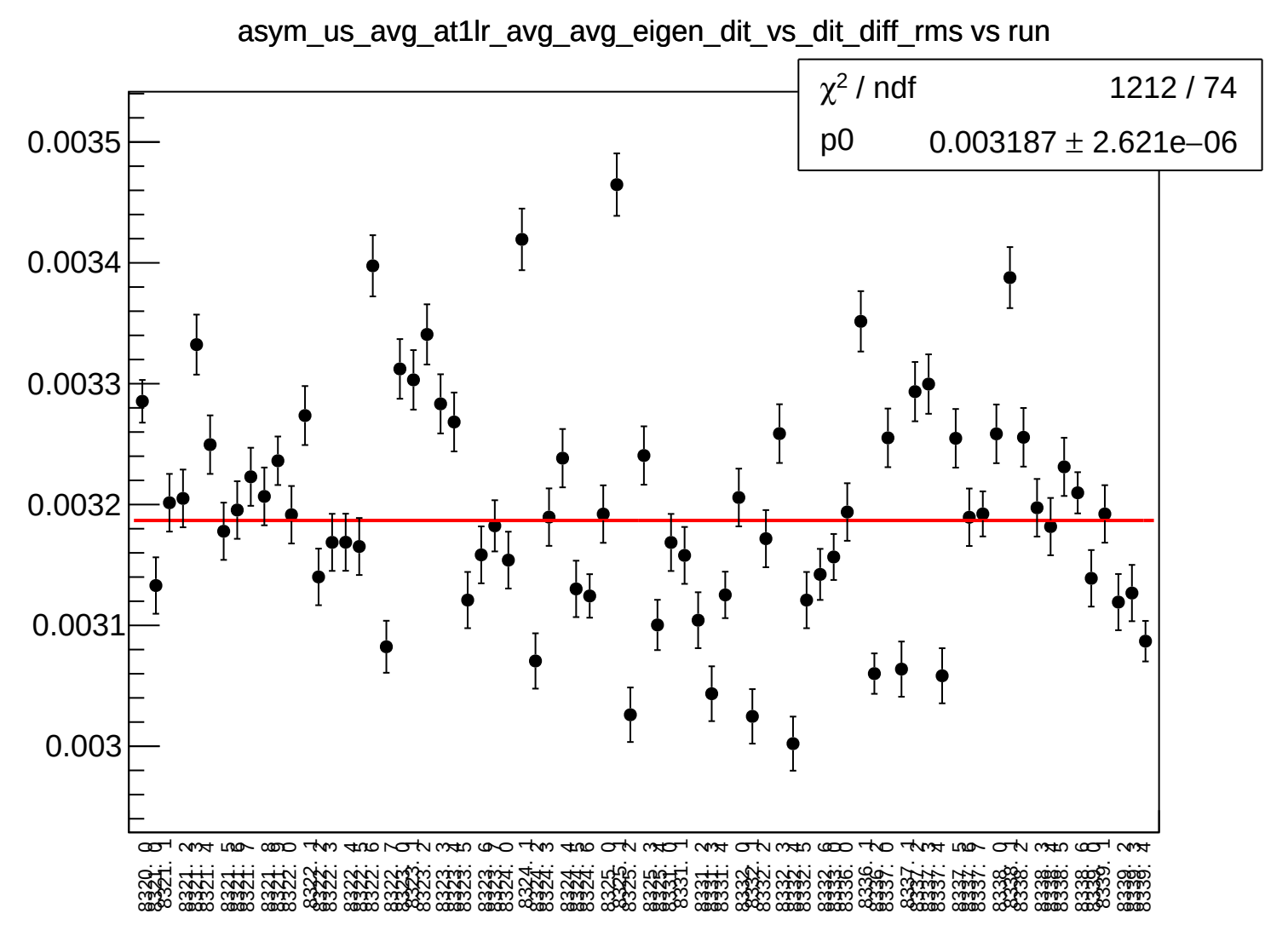

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 75.06 / 74
p0 −0.01082 ± 0.1198
pull
Entries 75
Mean 103.9
Std Dev 14.4
pull1D
Entries 75
Mean 0.01068
Std Dev 1

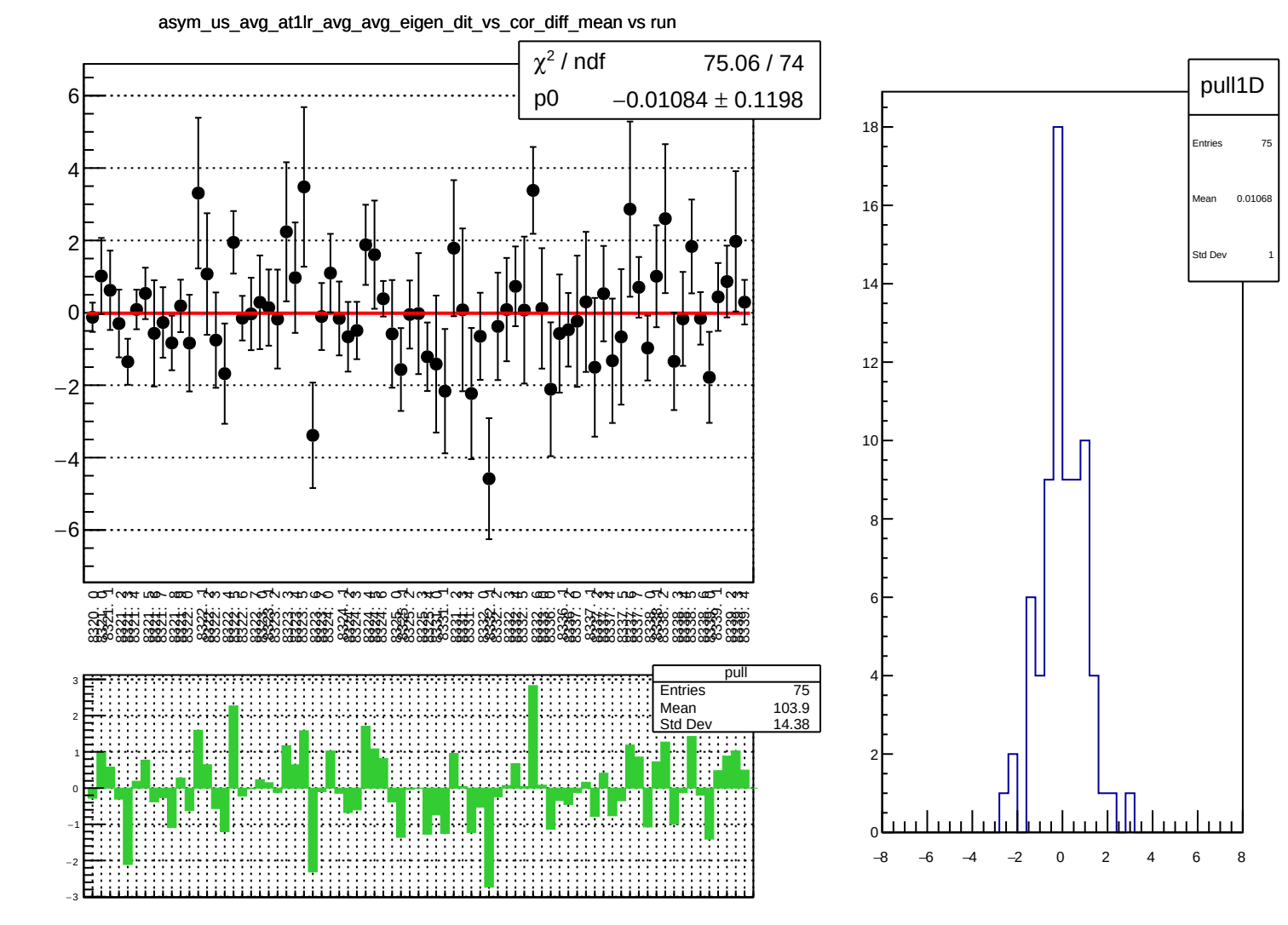

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.965e+05 / 74
p0 96 ± 0.08474
240
220
200
180
160
140
120
100
80
60
40

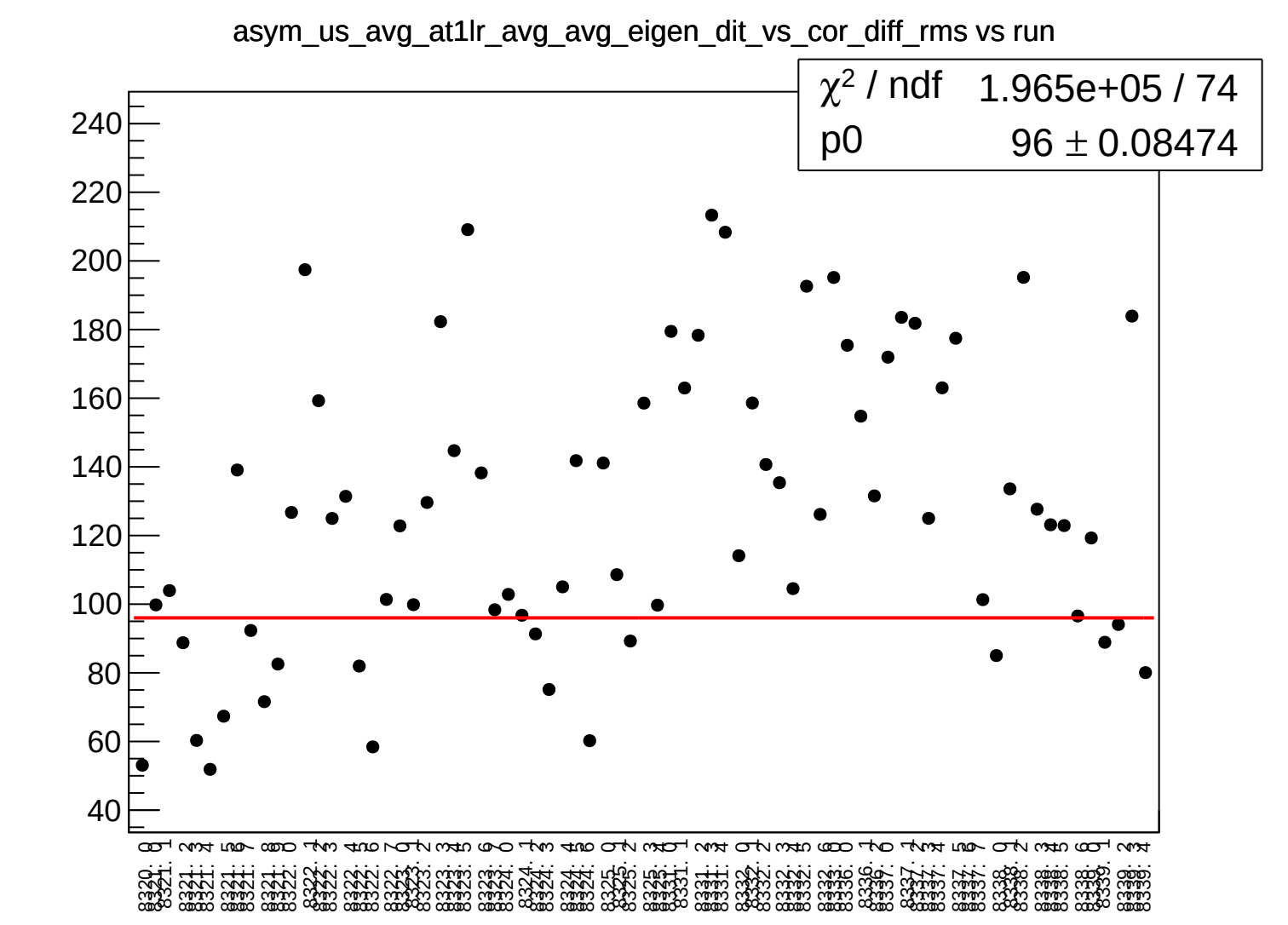

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.06 / 74
p0 −0.01082 ± 0.1198
pull
Entries 75
Mean 103.9
Std Dev 14.4
pull1D
Entries 75
Mean 0.01068
Std Dev 1

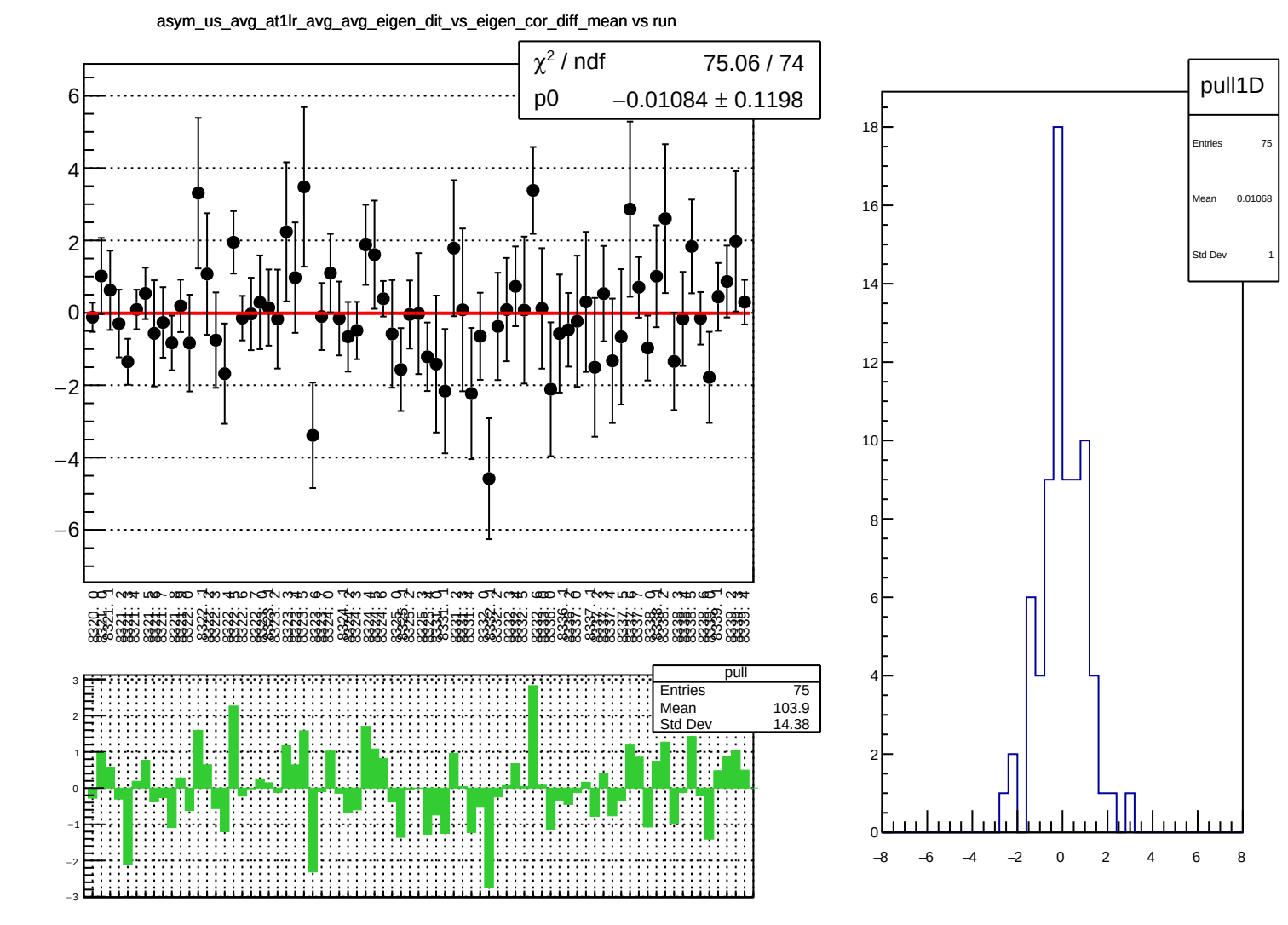

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.965e+05 / 74
p0 96 ± 0.08474
240
220
200
180
160
140
120
100
80
60
40

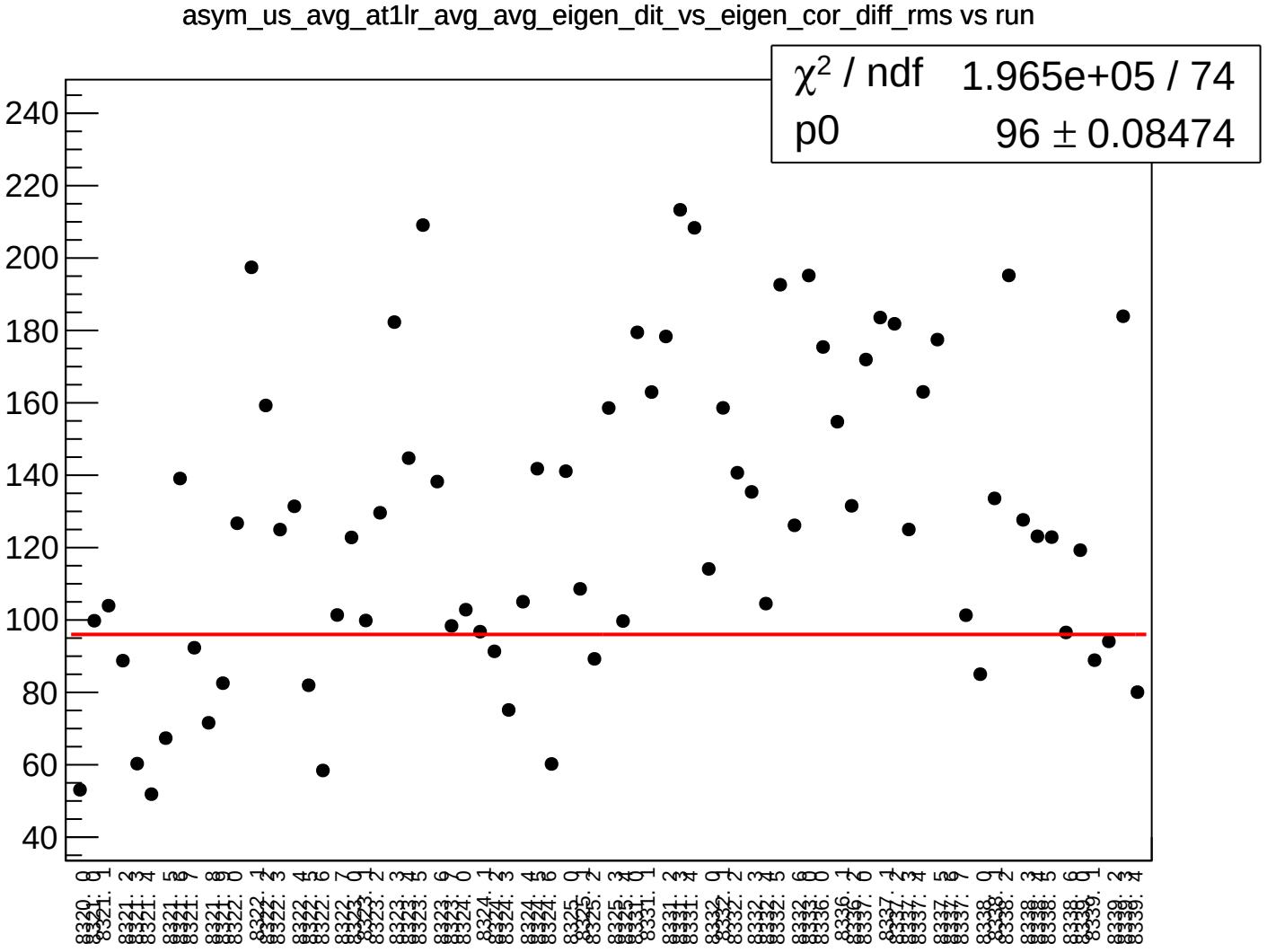

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.35 / 74
p0 −2.698e−05 ± 3.706e−06
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 75
Mean 18.61
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.01281
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

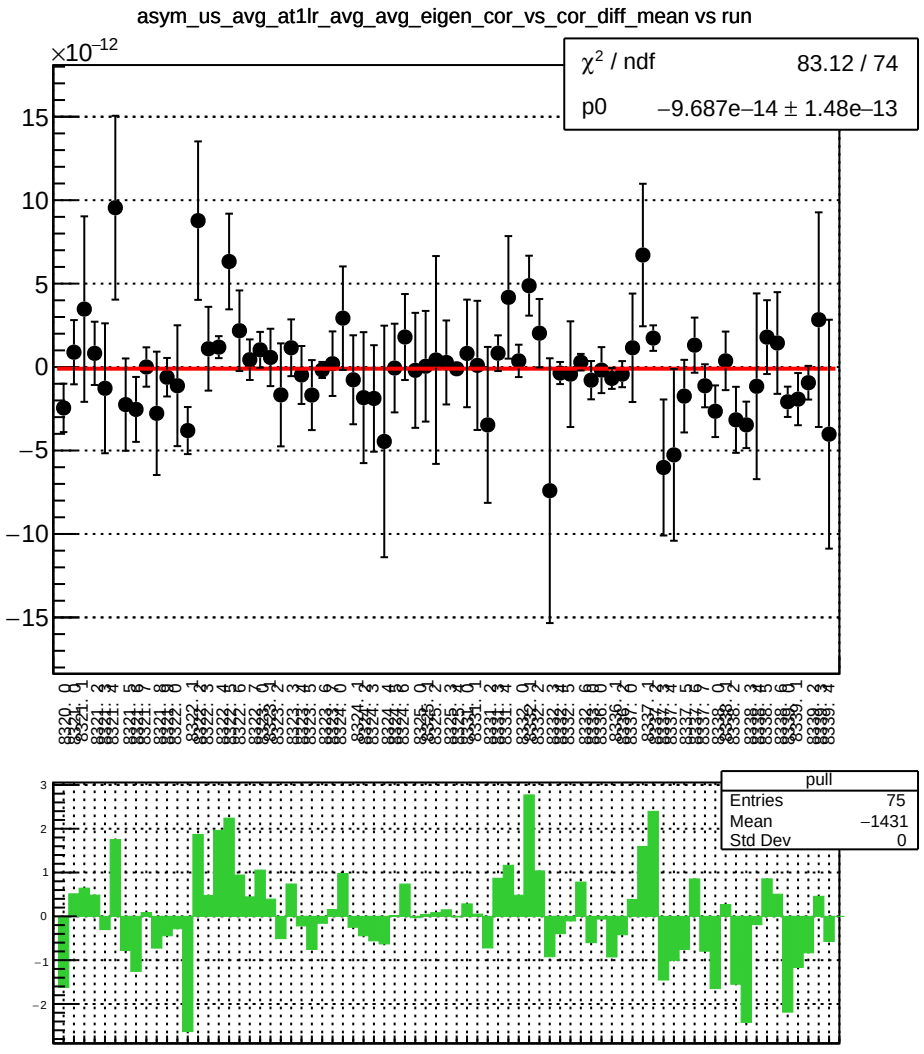

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1212 / 74
p0 0.003187 ± 2.621e−06
0.0035
0.0034
0.0033
0.0032
0.0031
0.003

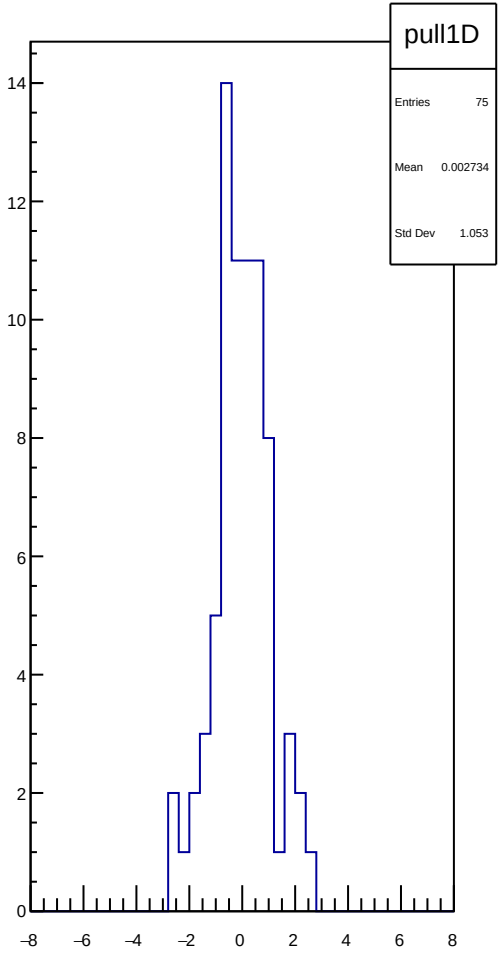

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.06 / 74
p0 −0.01084 ± 0.1198
pull
Entries 75
Mean 103.9
Std Dev 14.38
pull1D
Entries 75
Mean 0.01068
Std Dev 1

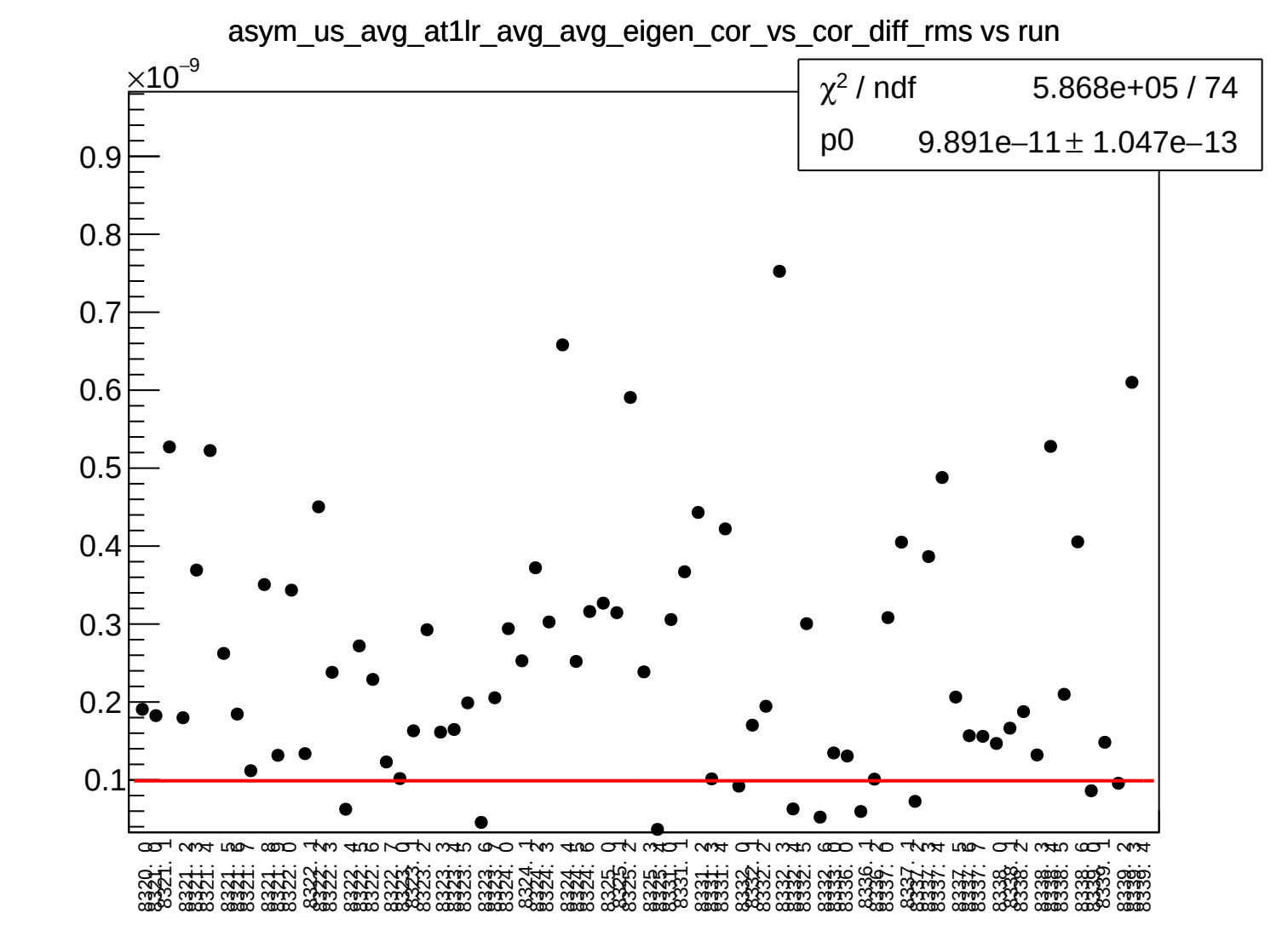

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.965e+05 / 74
p0 96 ± 0.08474
240
220
200
180
160
140
120
100
80
60
40

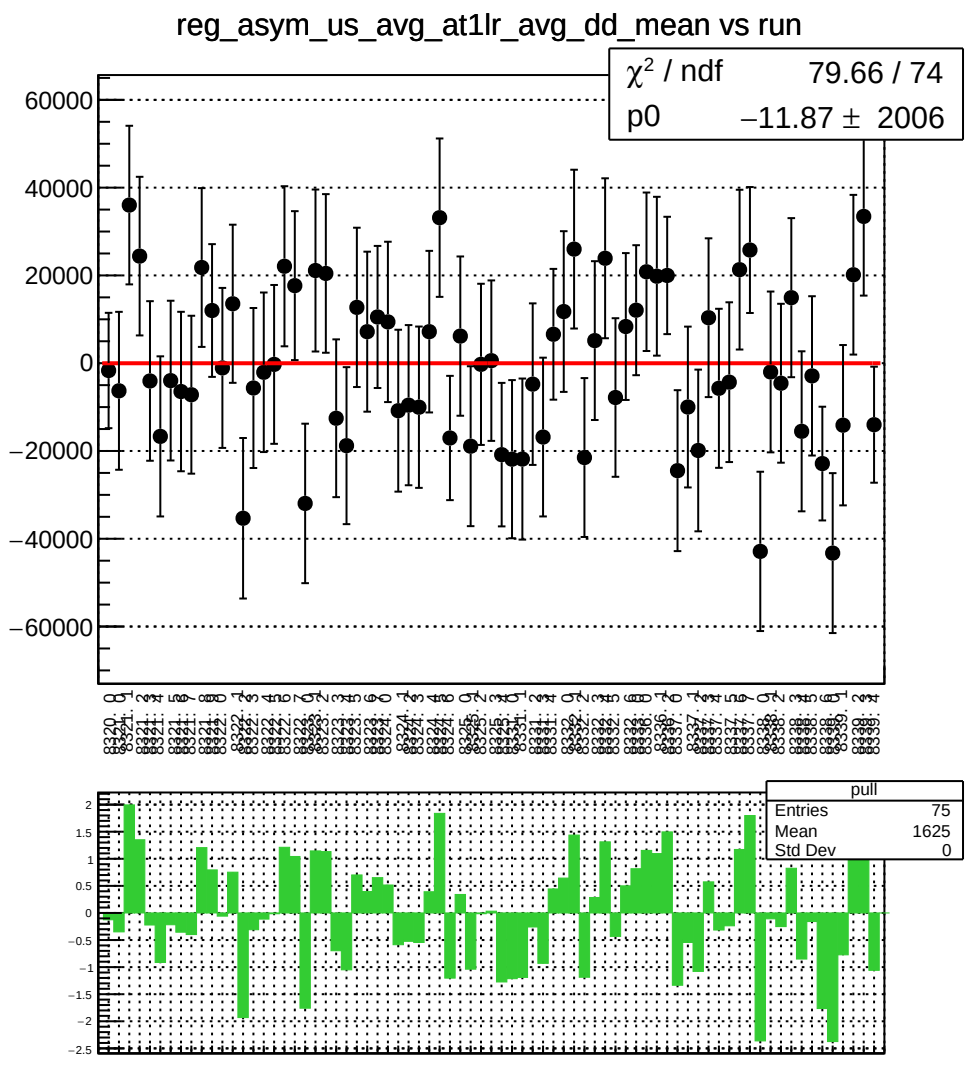

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.06 / 74
p0 −0.01084 ± 0.1198
pull
Entries 75
Mean 103.9
Std Dev 14.38
pull1D
Entries 75
Mean 0.01068
Std Dev 1

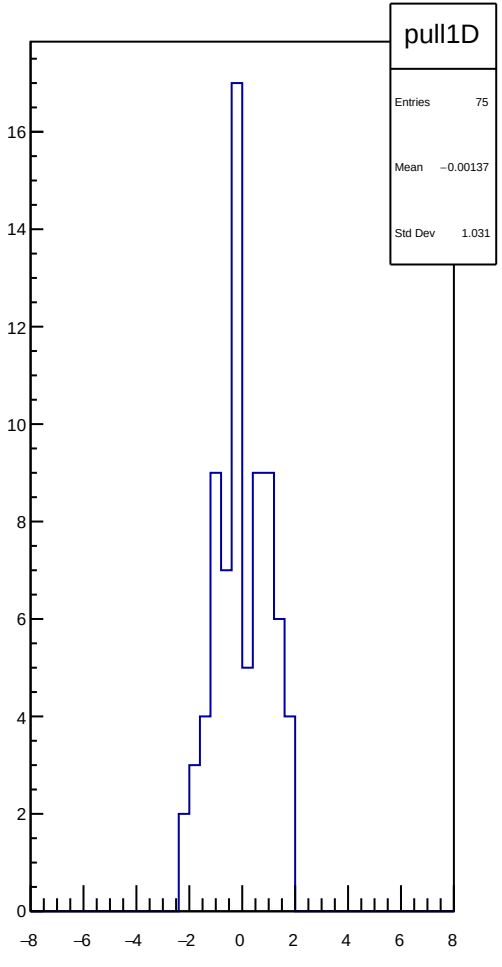

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.965e+05 / 74
p0 96 ± 0.08474
240
220
200
180
160
140
120
100
80
60
40

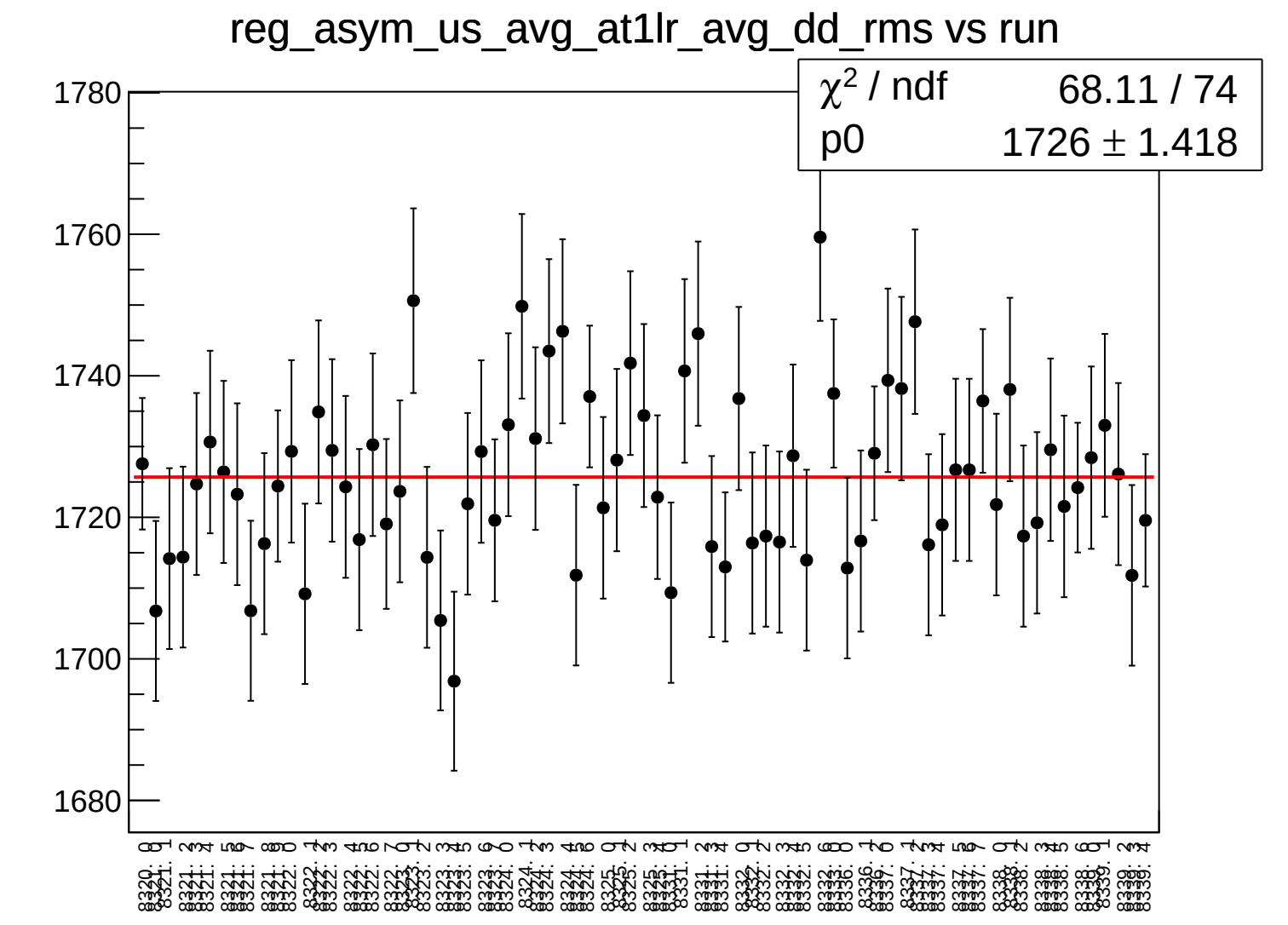

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.12 / 74
p0 −9.687e−14 ± 1.48e−13
pull
Entries 75
Mean −1431
Std Dev 0

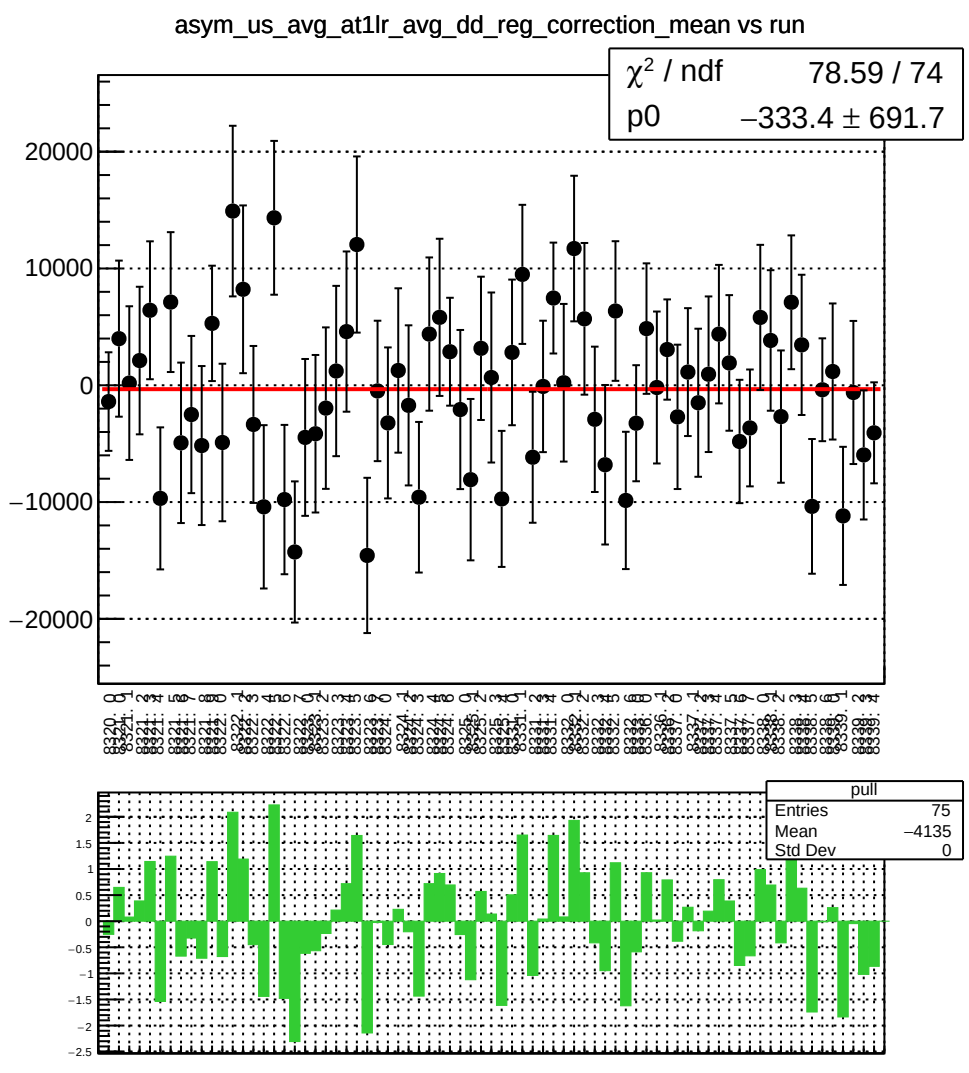

pull1D
Entries 75
Mean 0.002734
Std Dev 1.053

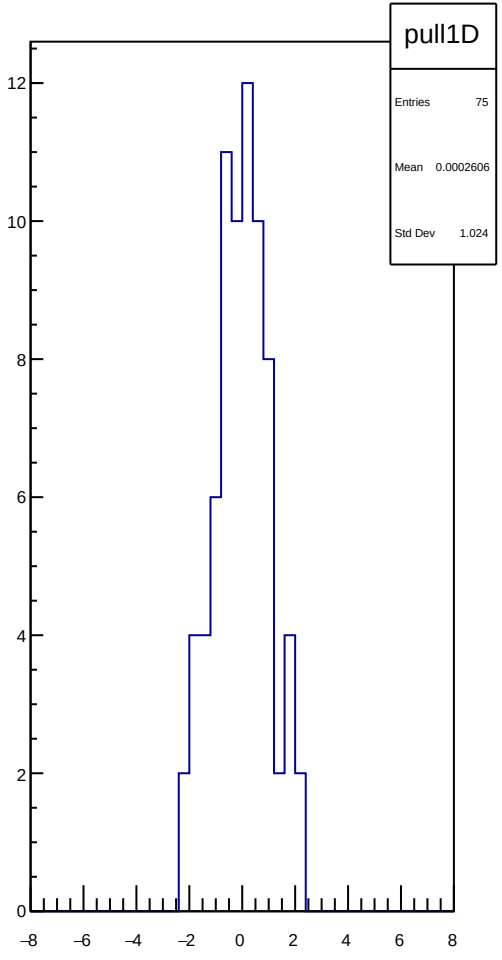

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.868e+05 / 74
p0 9.891e−11 ± 1.047e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

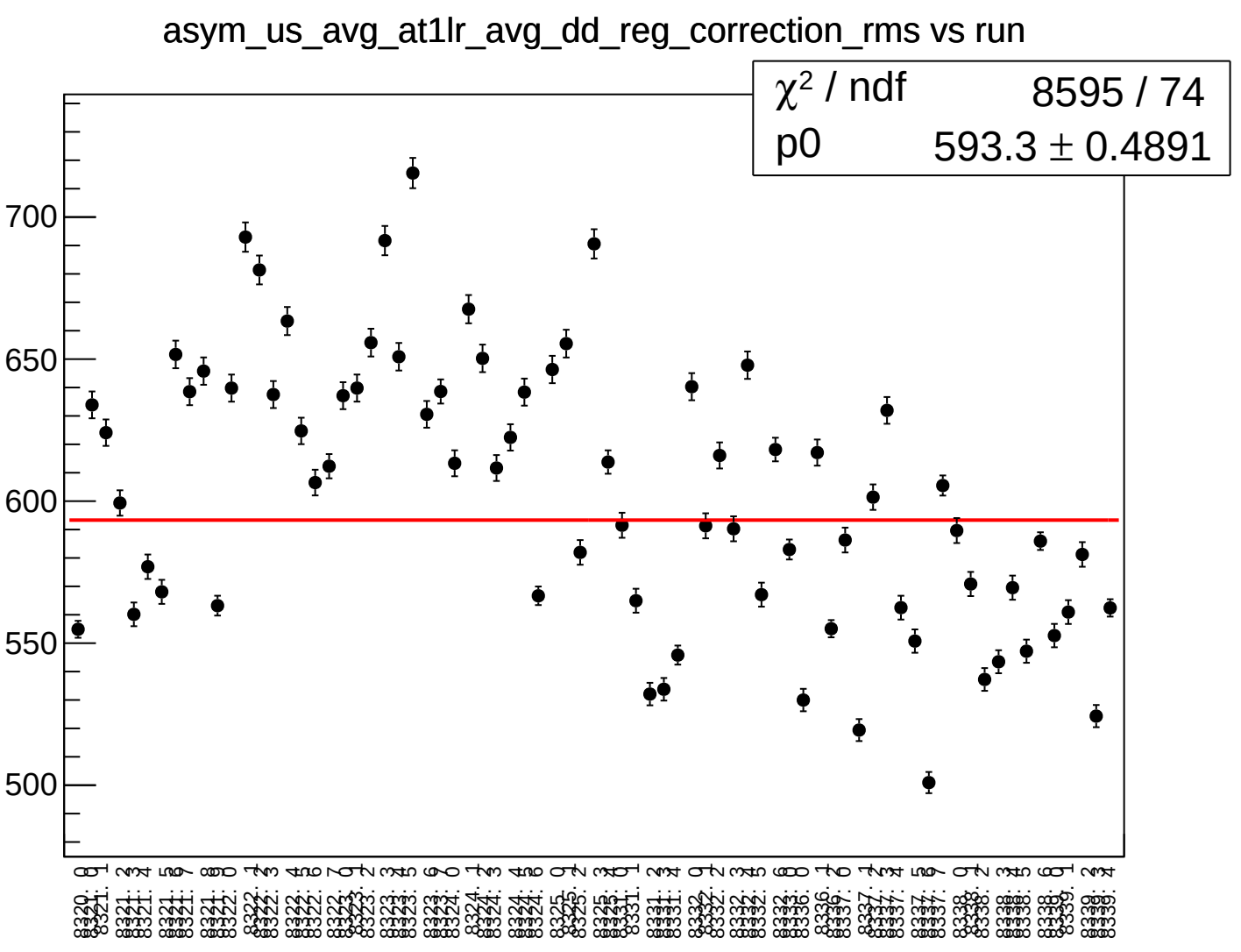

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 79.66 / 74
p0 −11.87 ± 2006
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1625
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

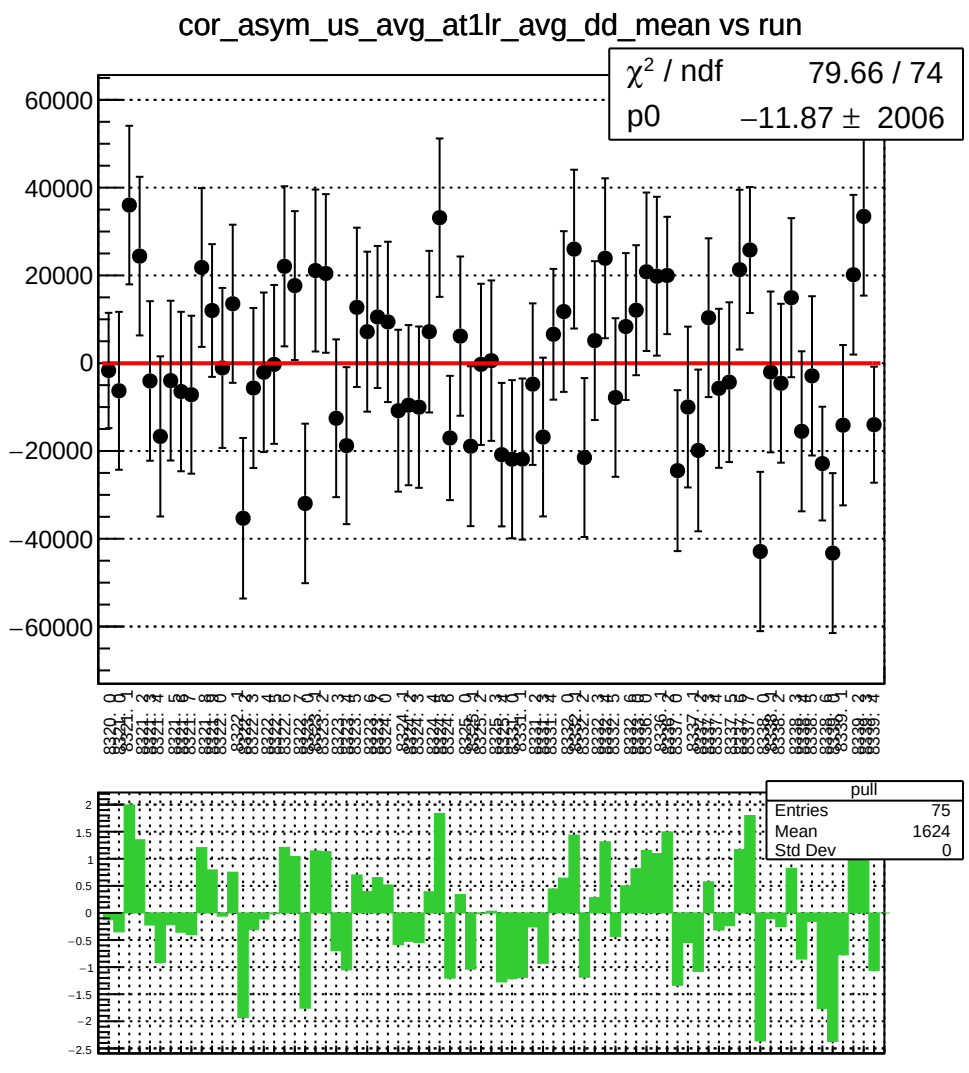

pull1D
Entries 75
Mean −0.00137
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

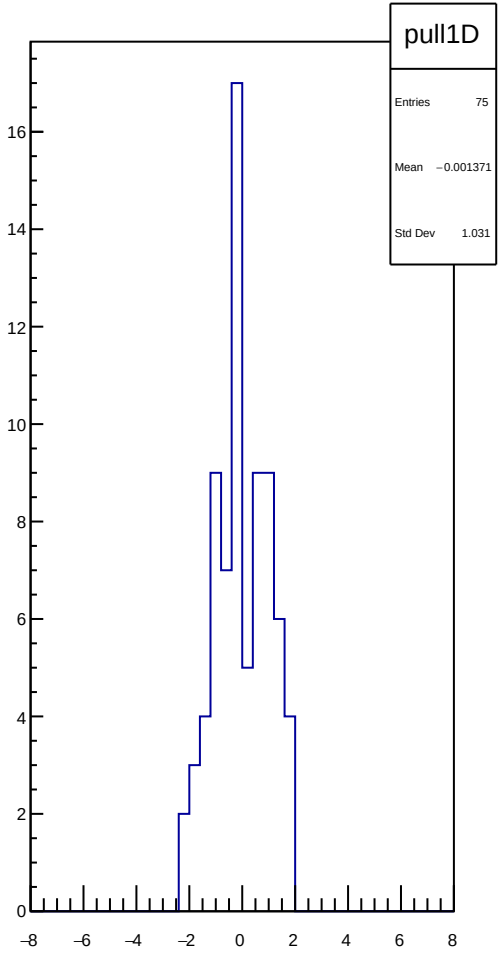

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 68.11 / 74
p0 1726 ± 1.418
1780
1760
1740
1720
1700
1680

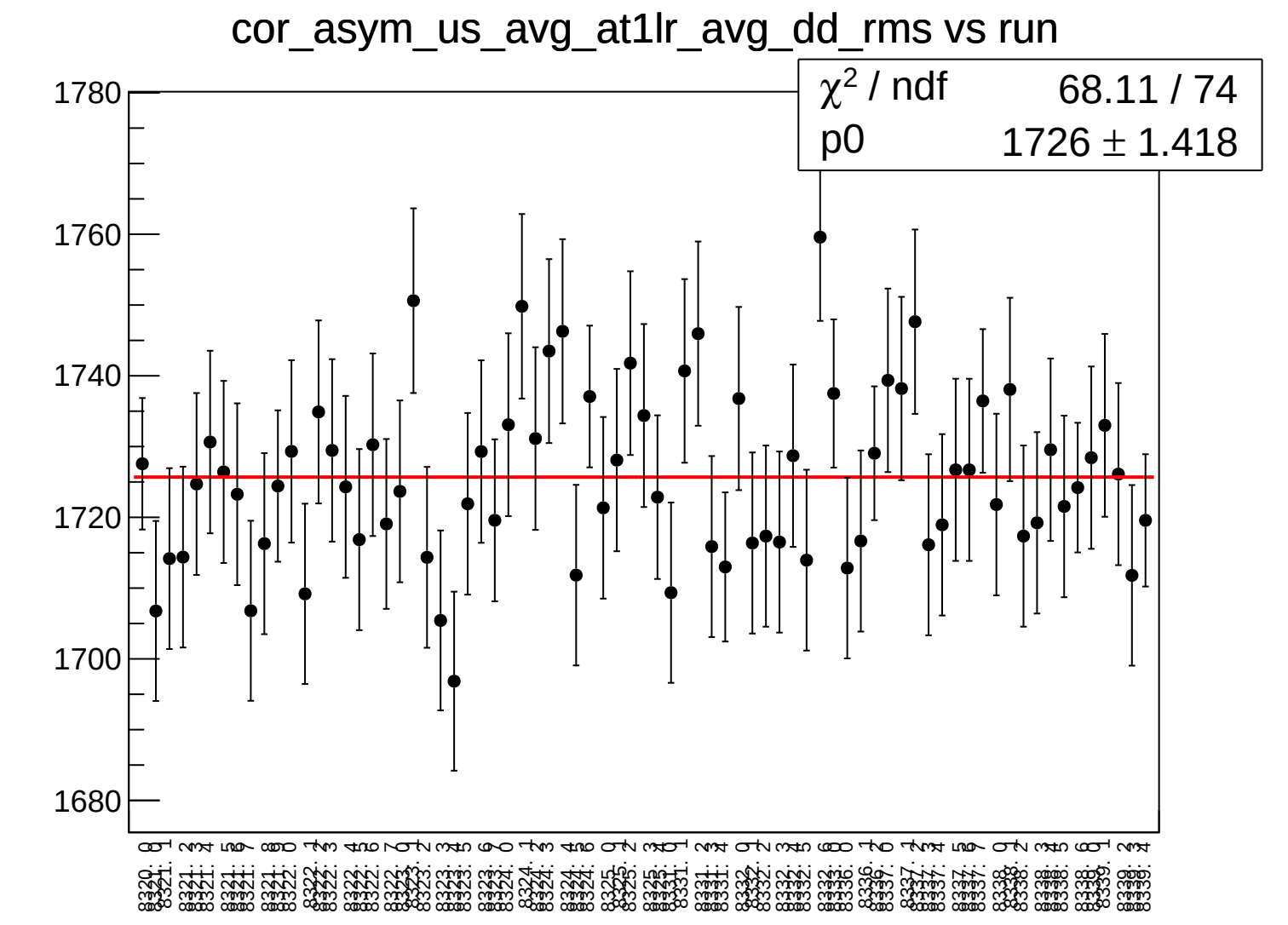

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 78.59 / 74
p0 −333.4 ± 691.7
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −4135
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

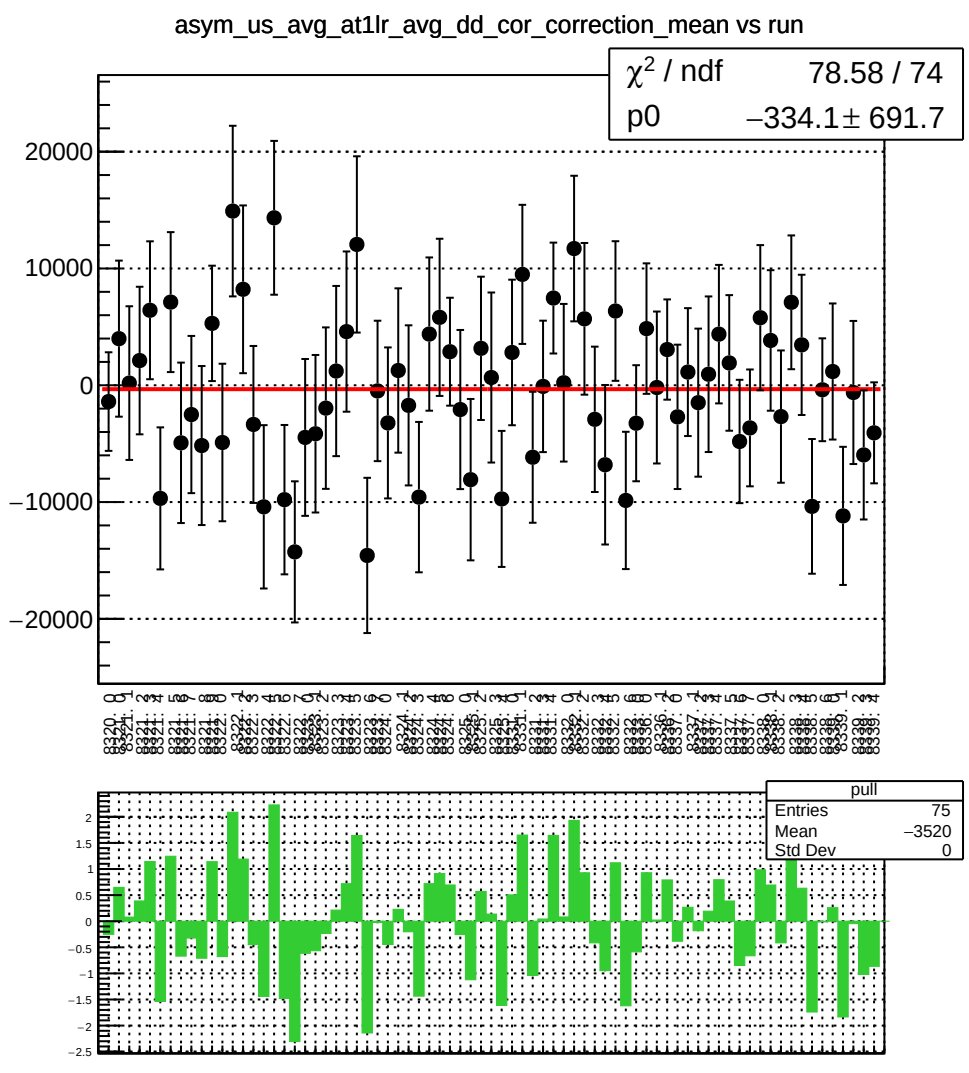

pull1D
Entries 75
Mean 0.0002606
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

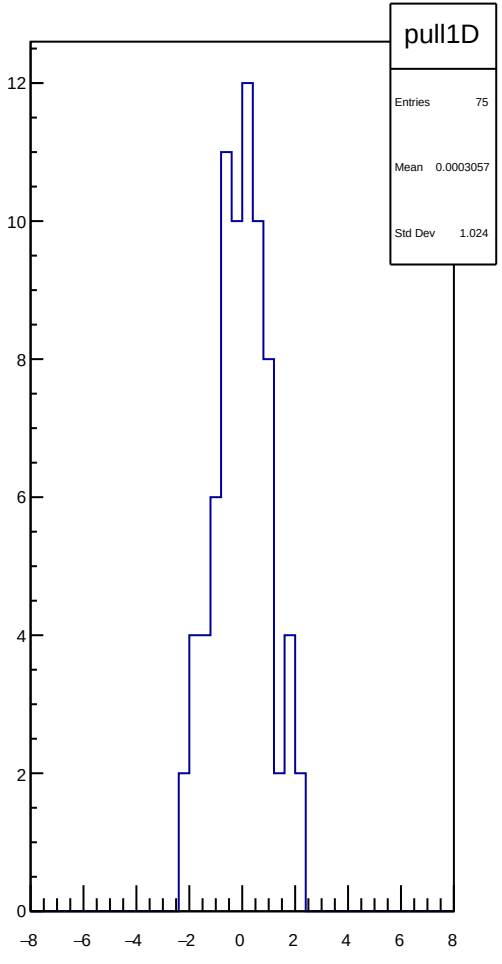

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 8595 / 74
p0 593.3 ± 0.4891
700
650
600
550
500

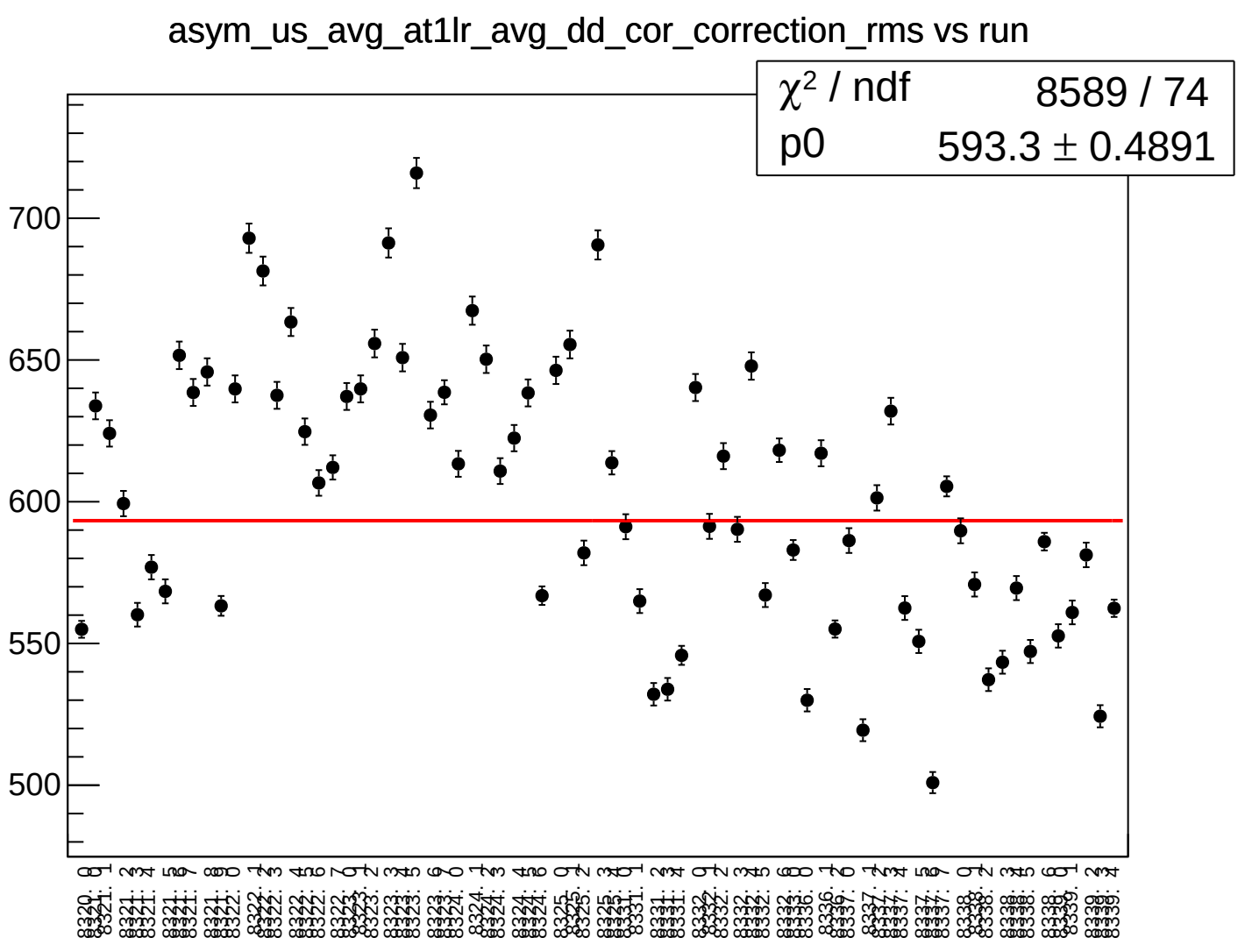

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 79.66 / 74
p0 −11.87 ± 2006
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1624
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

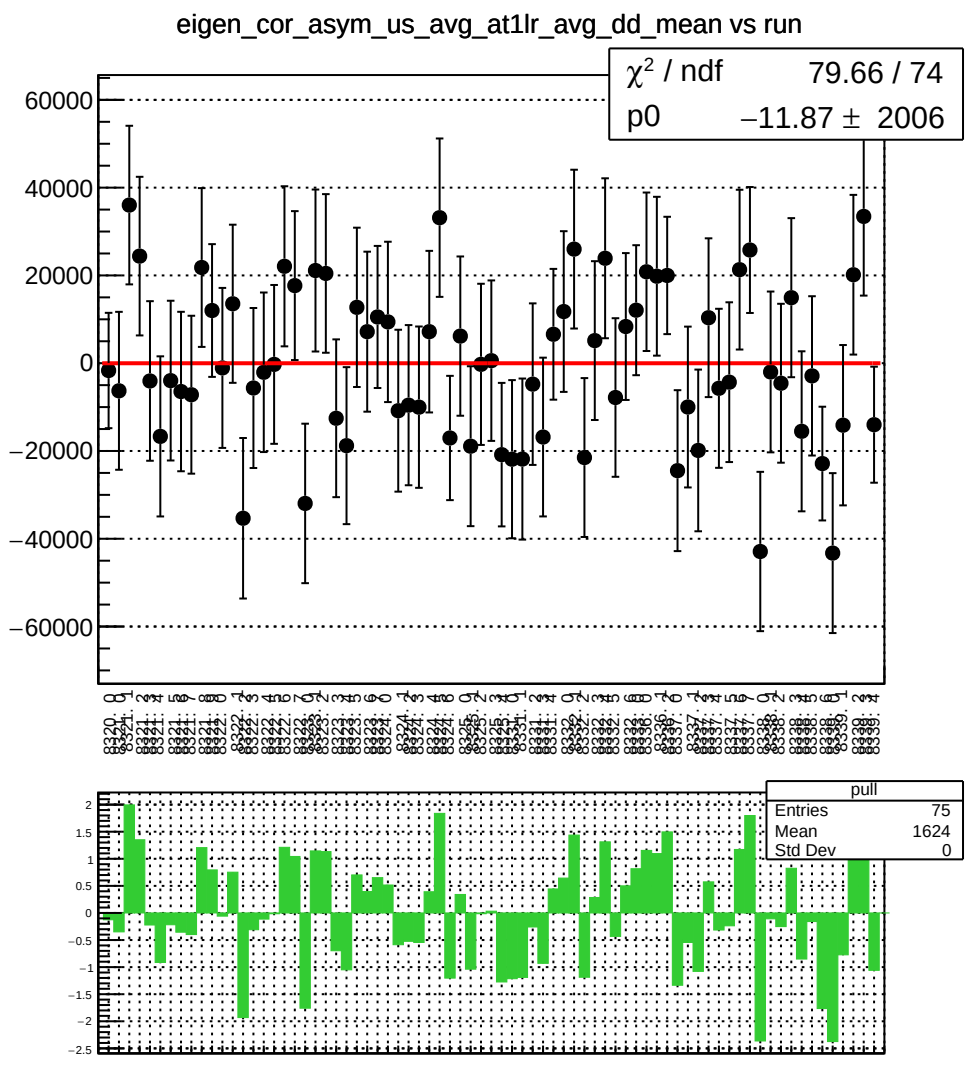

pull1D
Entries 75
Mean −0.001371
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

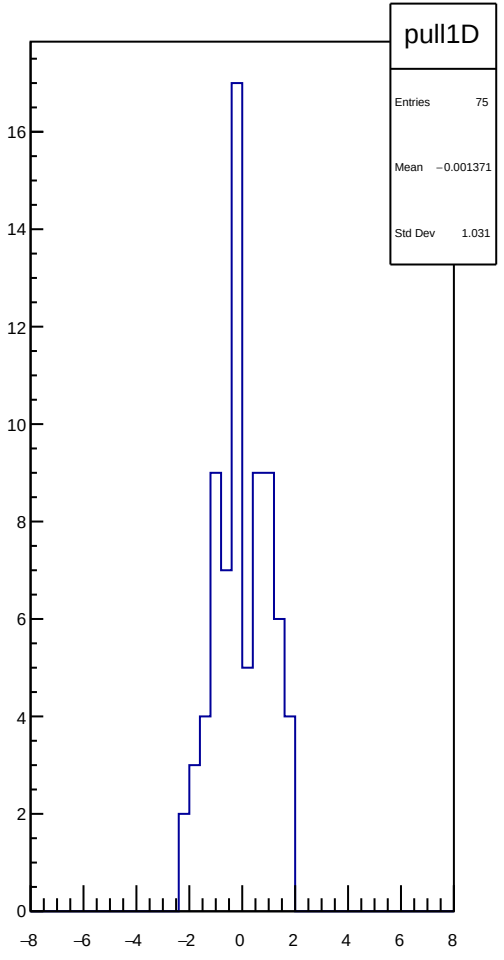

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 68.11 / 74
p0 1726 ± 1.418
1780
1760
1740
1720
1700
1680

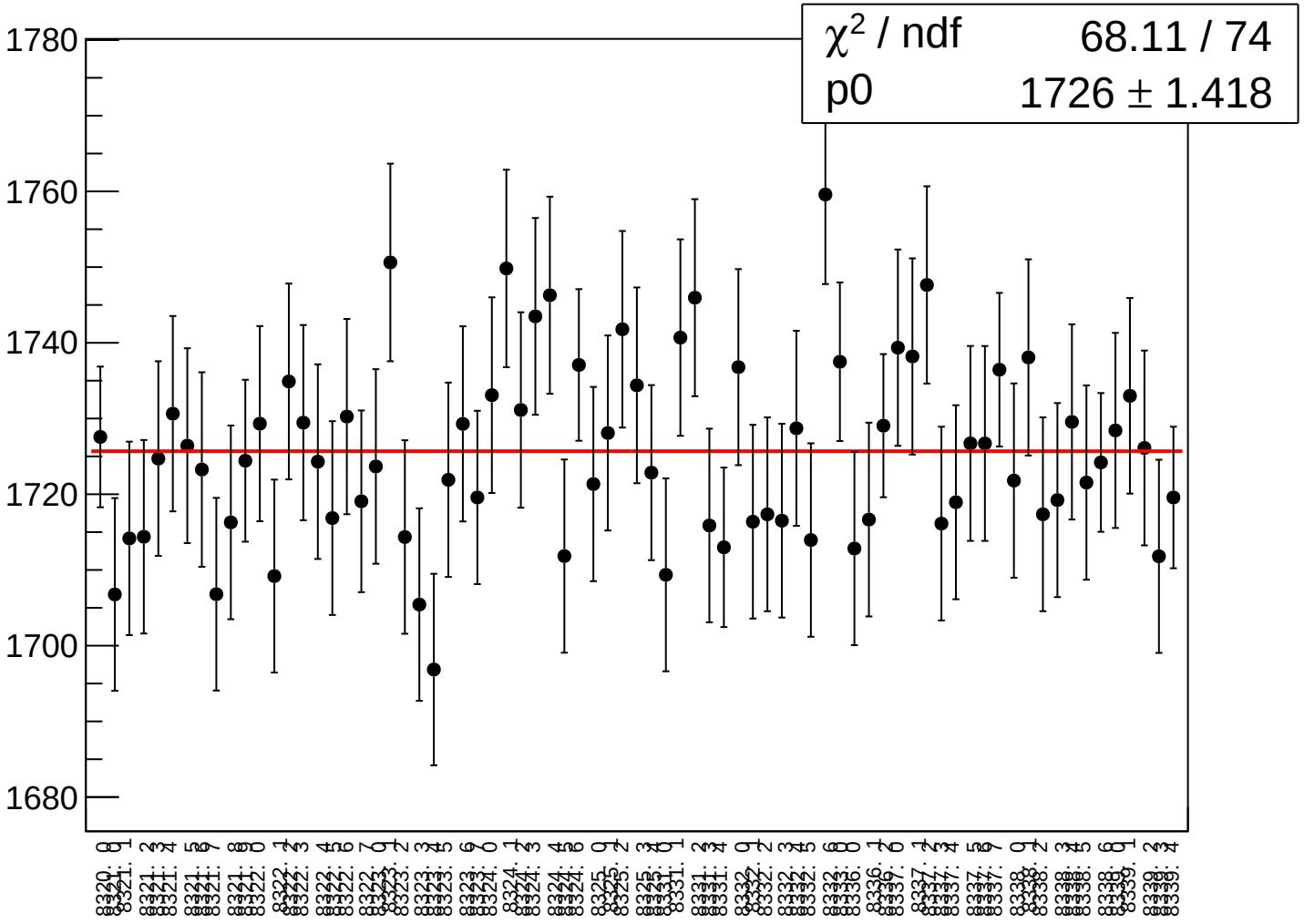

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 78.58 / 74
p0 −334.1± 691.7
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −3520
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

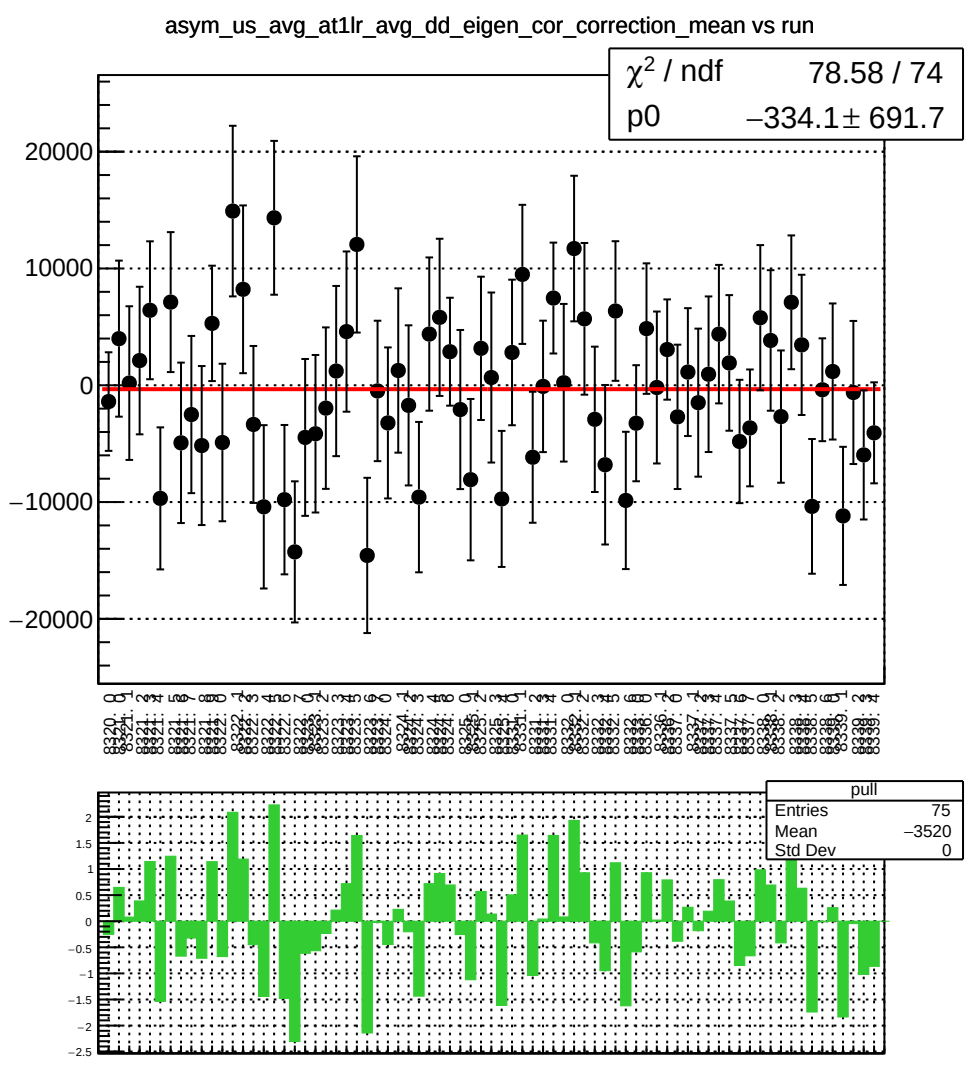

pull1D
Entries 75
Mean 0.0003057
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

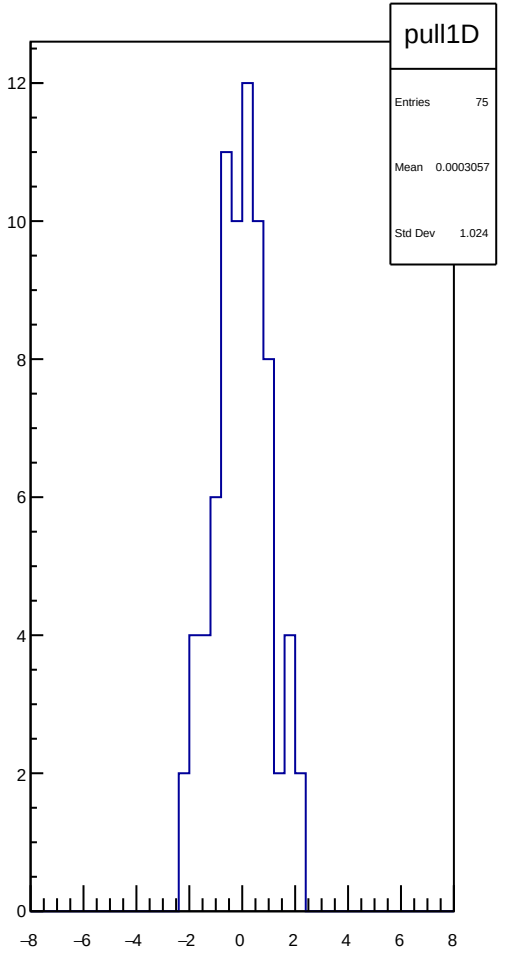

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 8589 / 74
p0 593.3 ± 0.4891
700
650
600
550
500

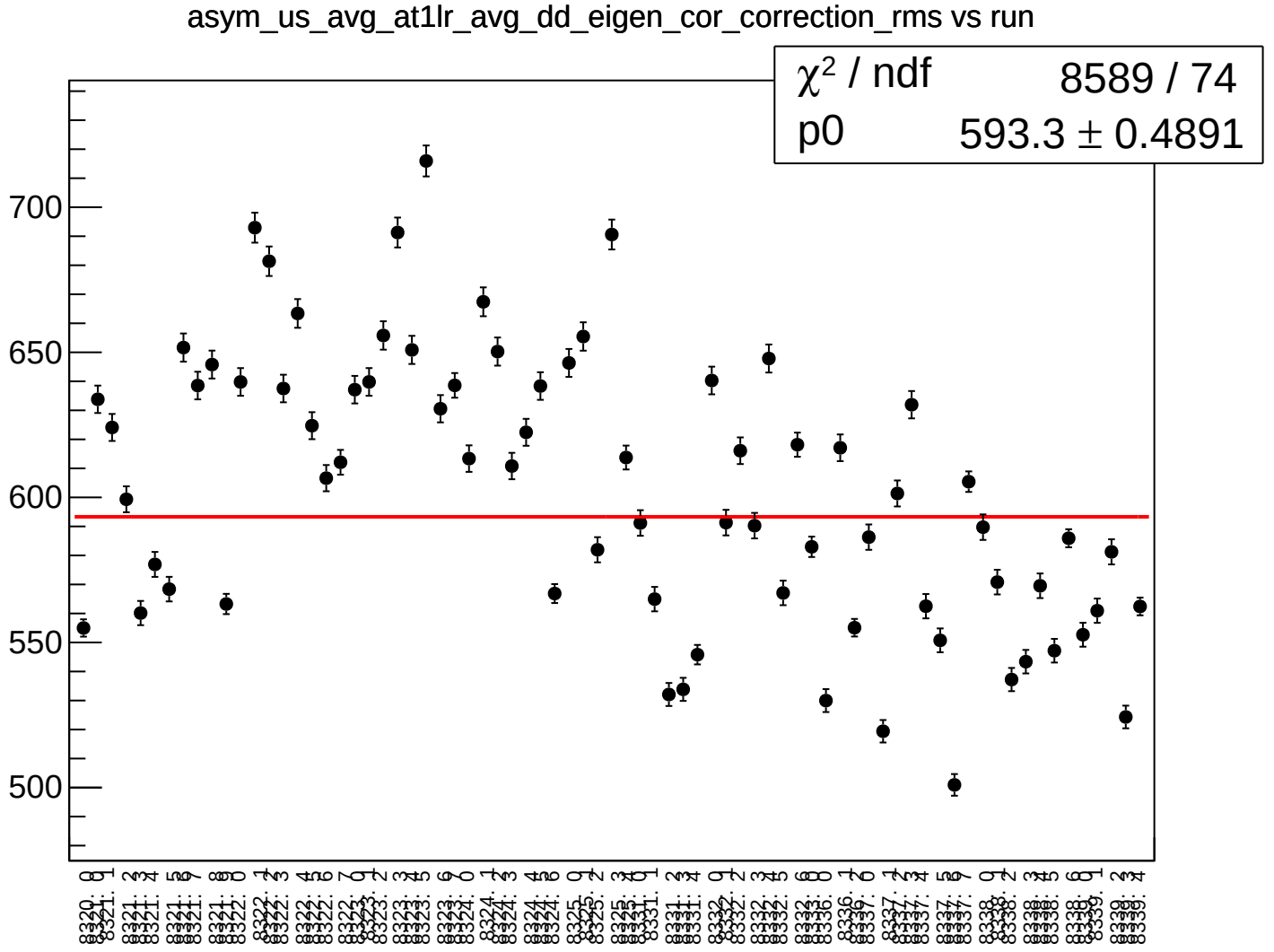

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 79.66 / 74
p0 −11.87 ± 2006
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1624
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

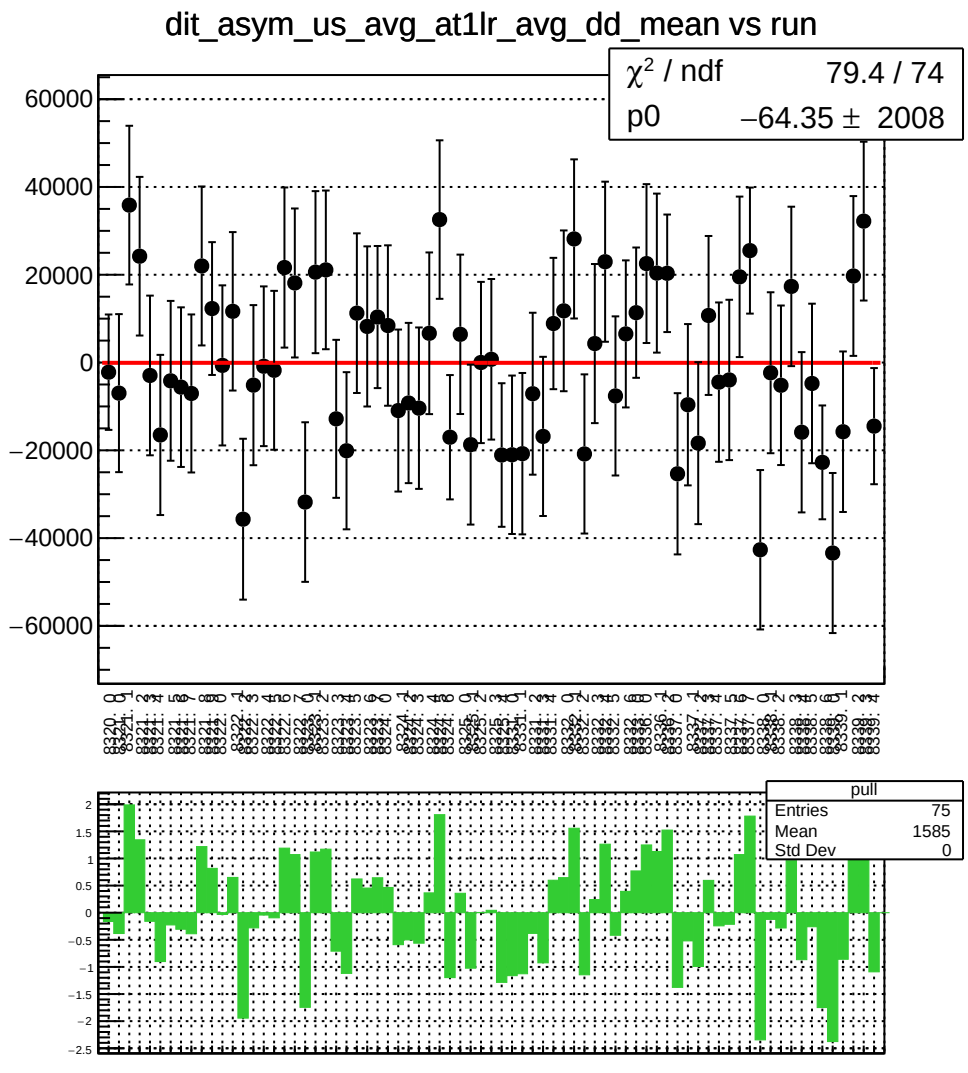

pull1D
Entries 75
Mean −0.001371
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

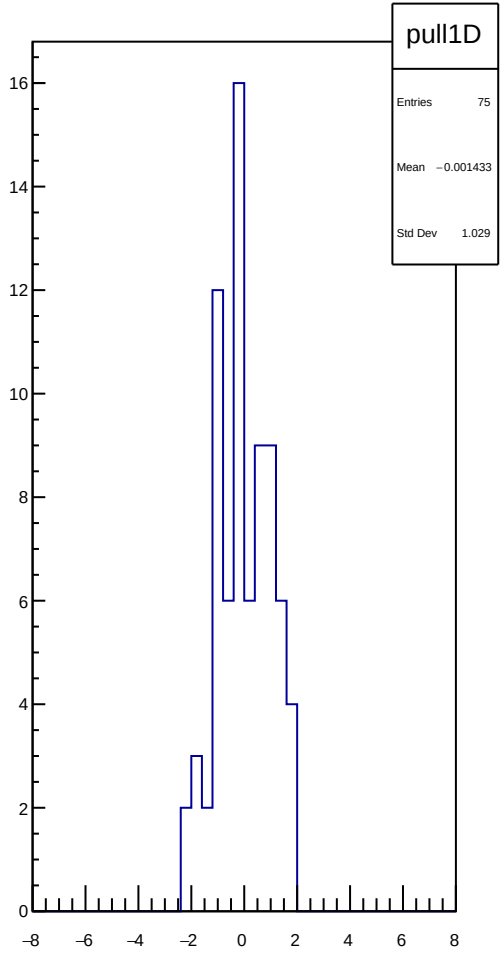

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 68.11 / 74
p0 1726 ± 1.418
1780
1760
1740
1720
1700
1680

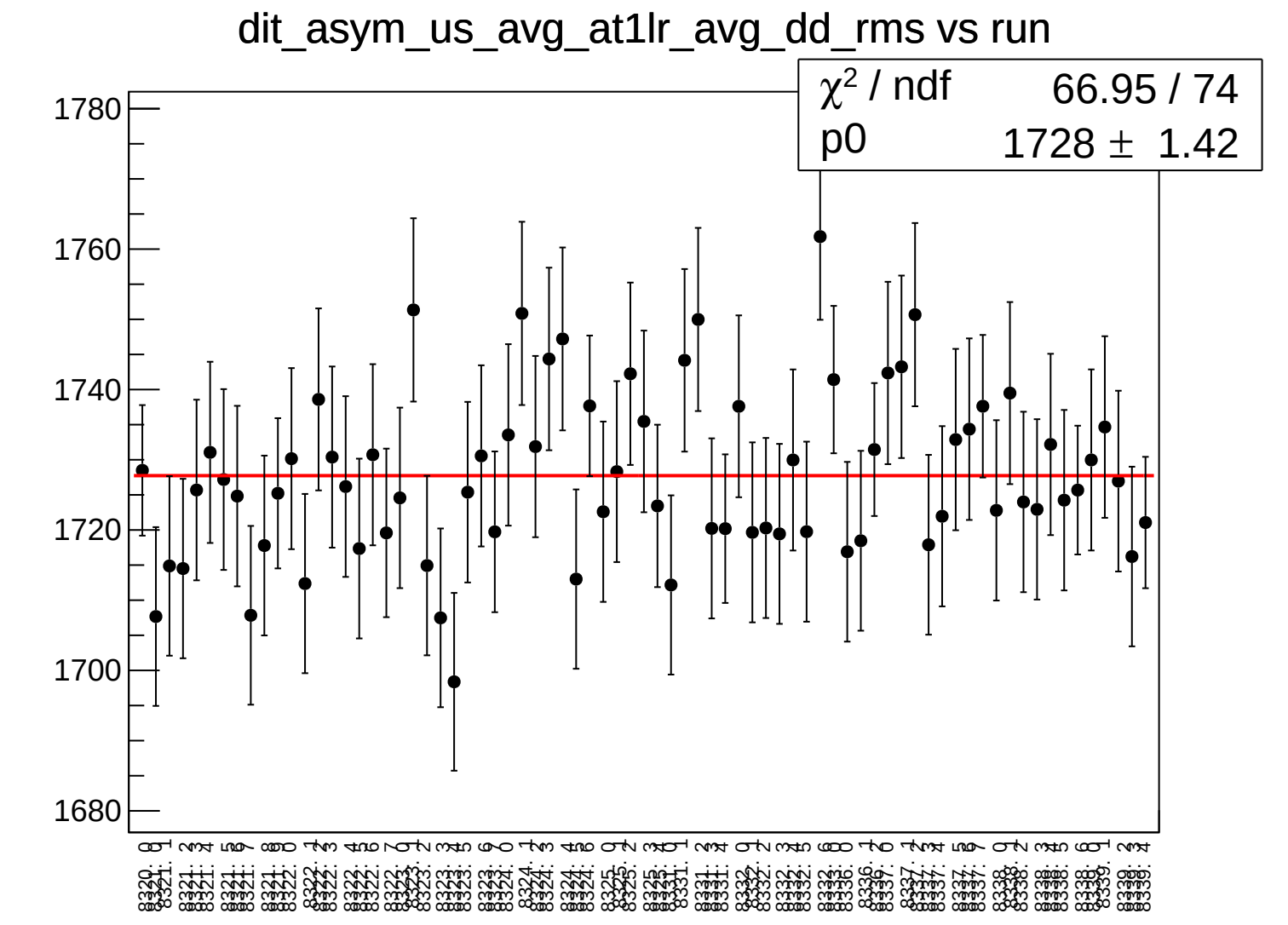

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 78.58 / 74
p0 −334.1± 691.7
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −3520
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

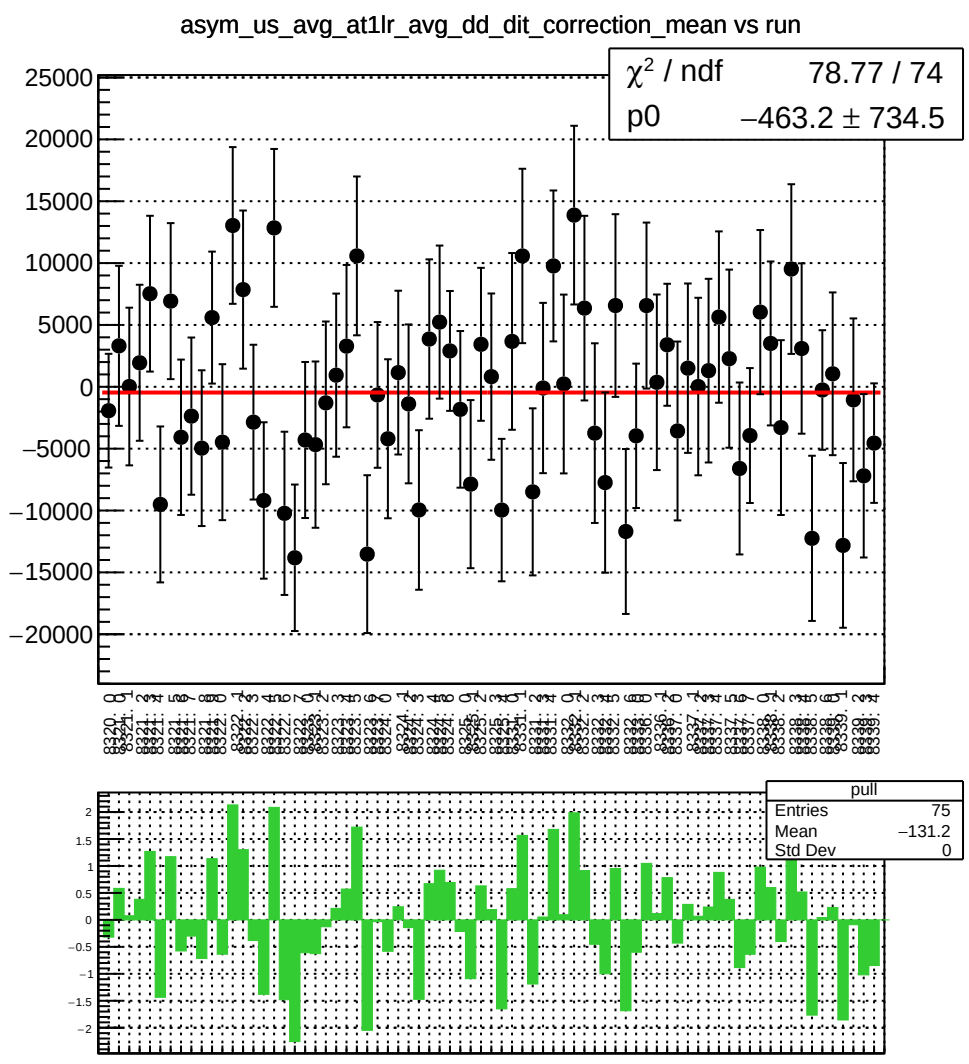

pull1D
Entries 75
Mean 0.0003057
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

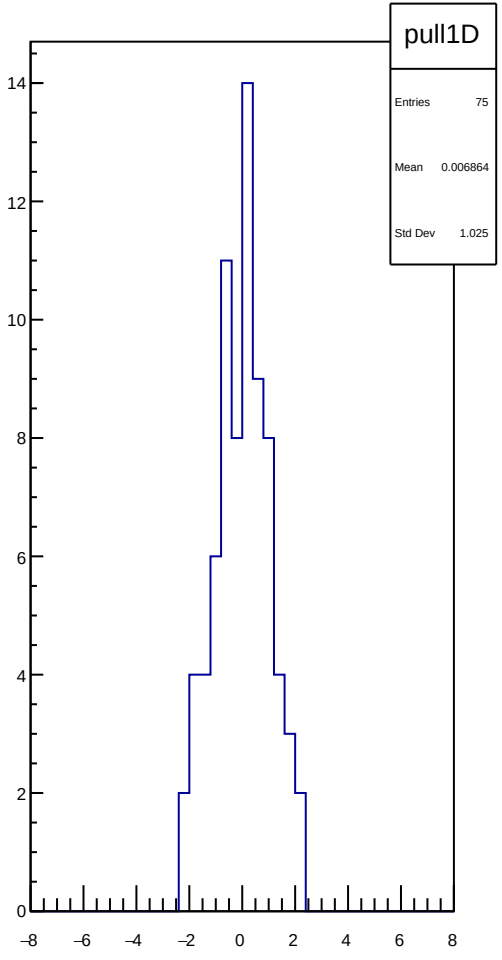

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 8589 / 74
p0 593.3 ± 0.4891
700
650
600
550
500

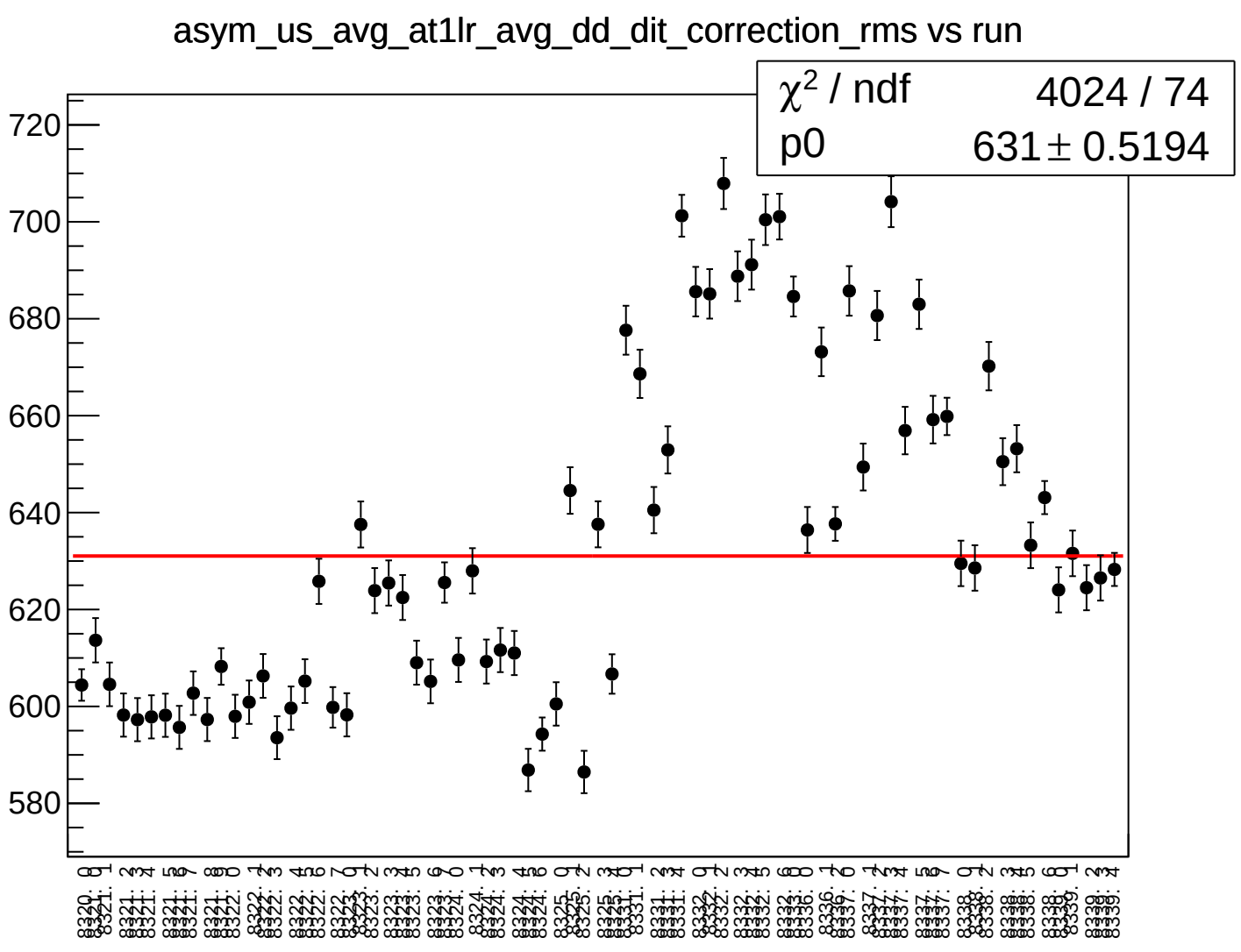

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 79.4 / 74
p0 −64.35 ± 2008
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1585
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

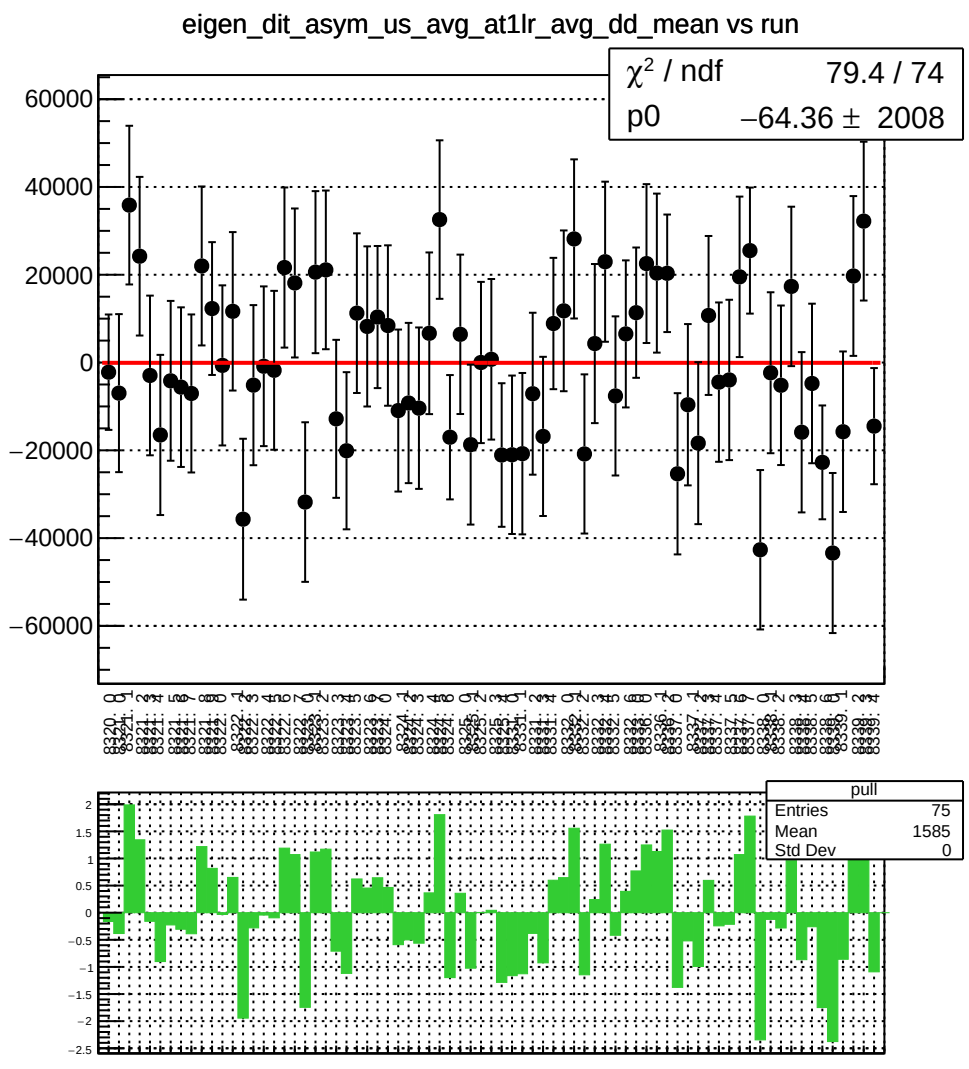

pull1D
Entries 75
Mean −0.001433
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

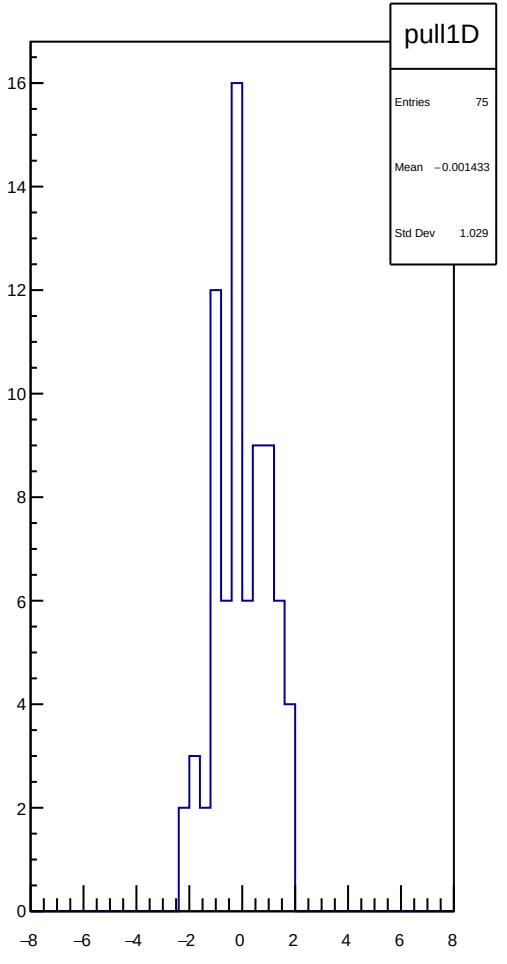

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 66.95 / 74
p0 1728 ± 1.42
1780
1760
1740
1720
1700
1680

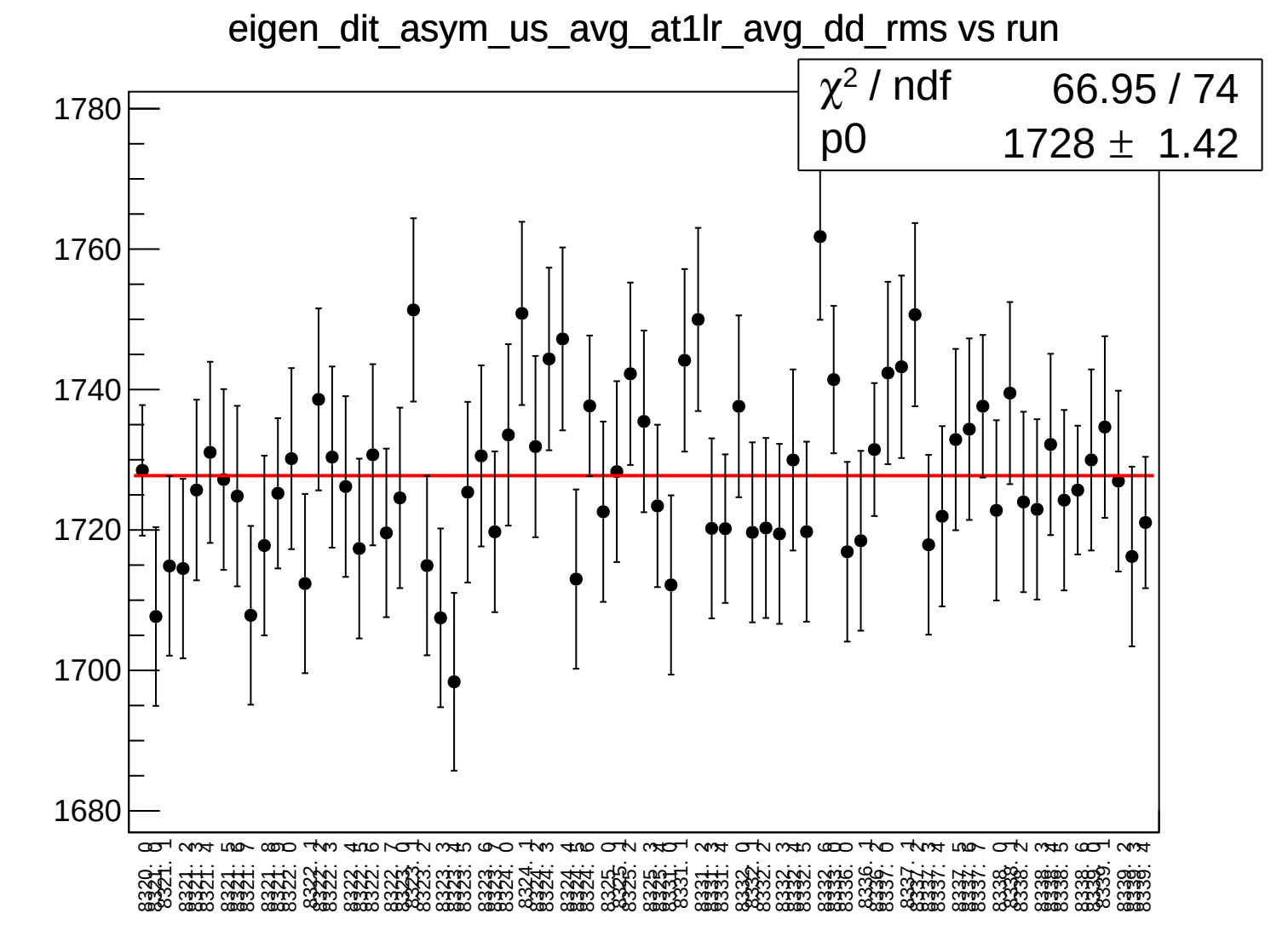

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 78.77 / 74
p0 −463.2 ± 734.5
pull
Entries 75
Mean −131.2
Std Dev 0

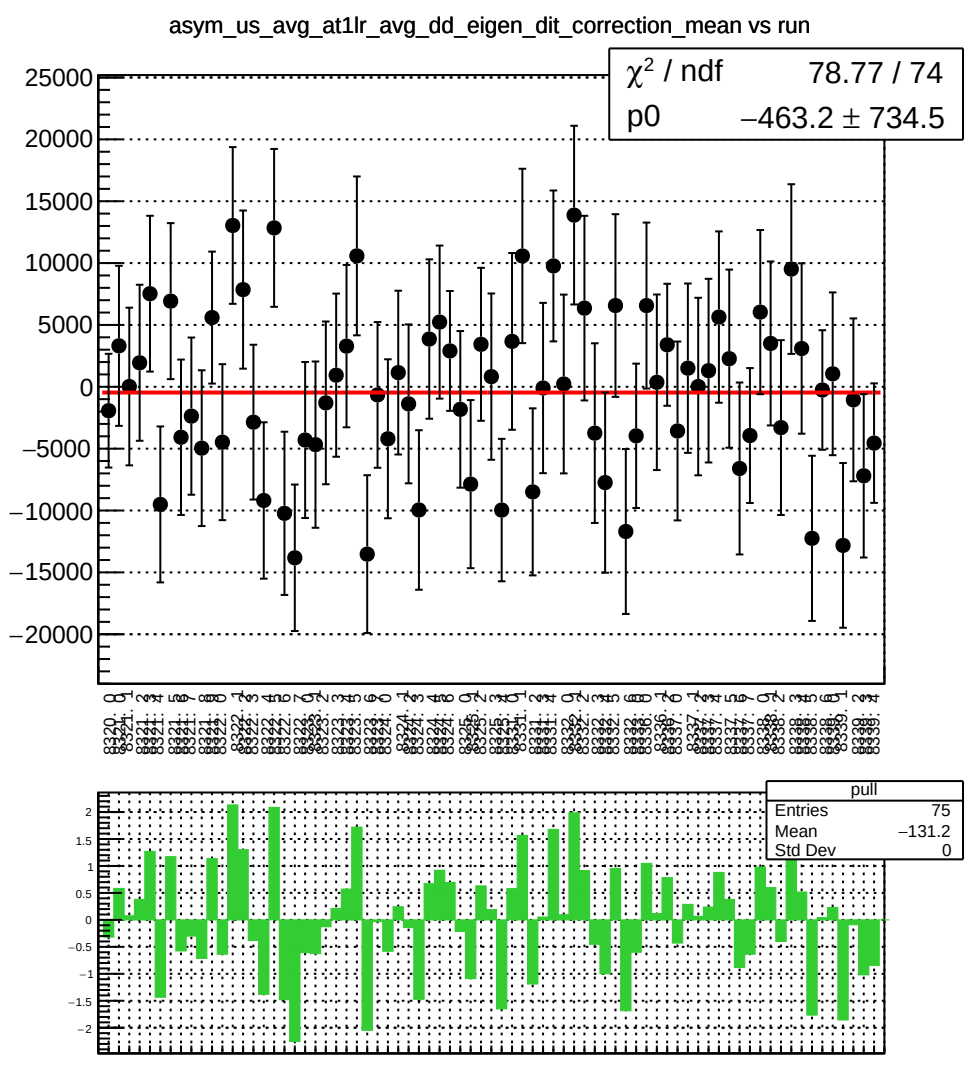

pull1D
Entries 75
Mean 0.006864
Std Dev 1.025

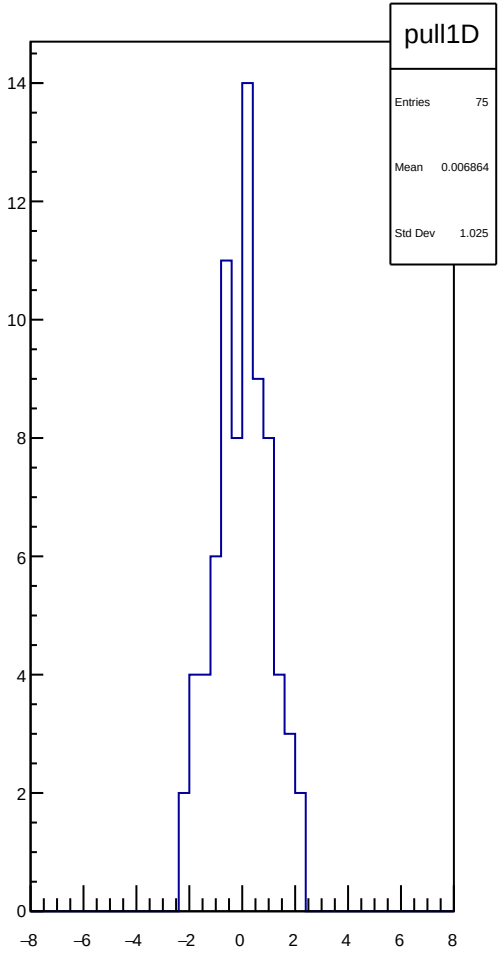

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 4024 / 74
p0 631 ± 0.5194
720
700
680
660
640
620
600
580

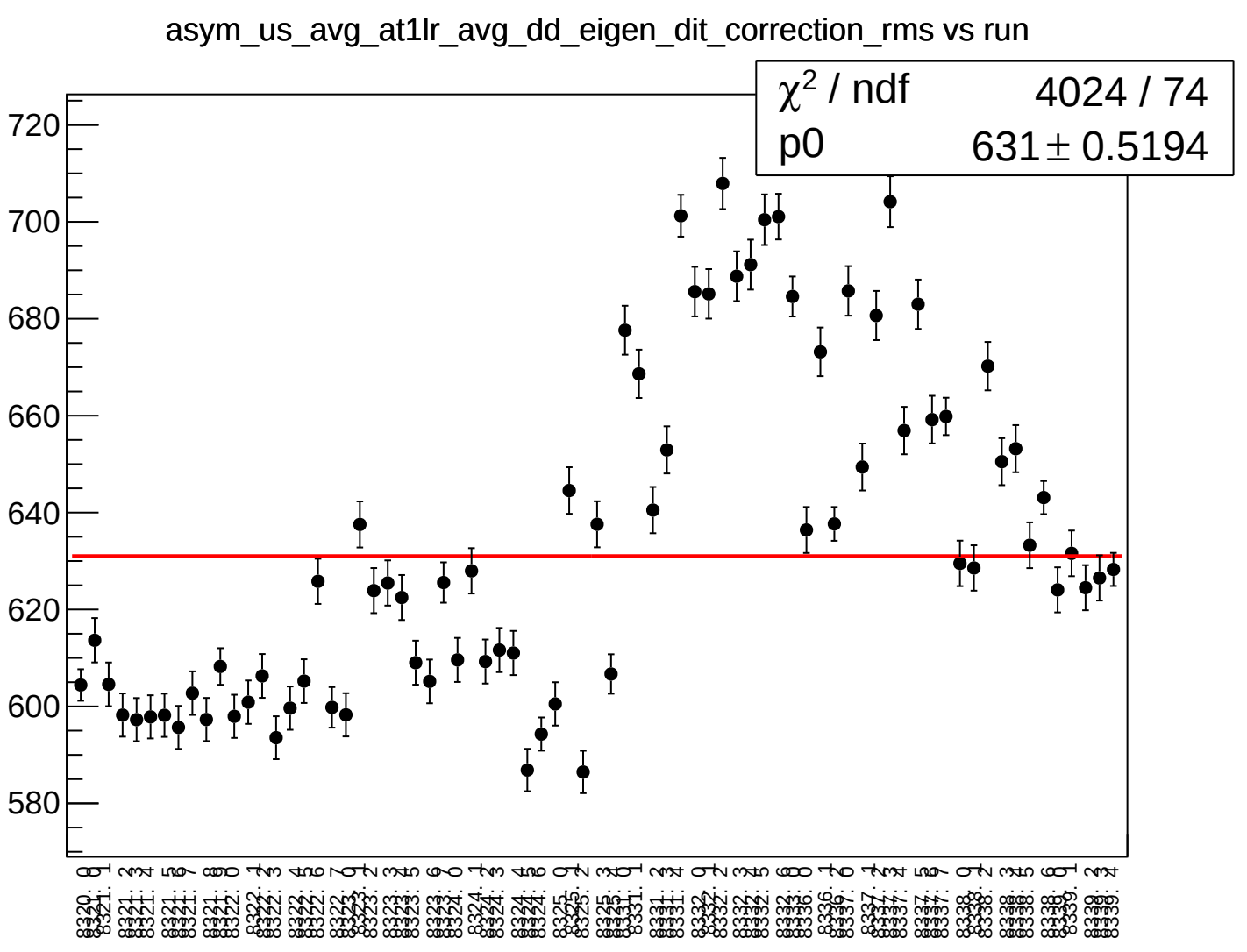

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 79.4 / 74
p0 −64.36 ± 2008
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1585
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

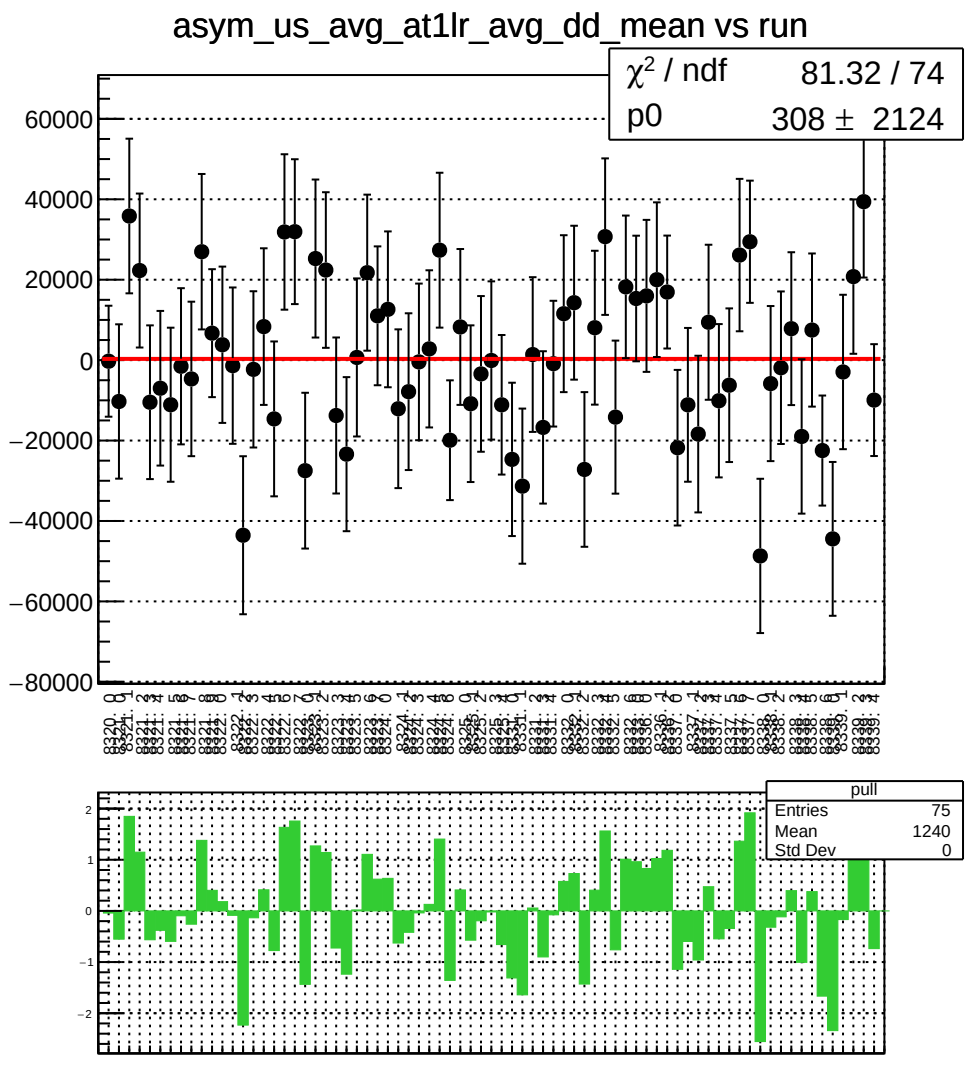

pull1D
Entries 75
Mean −0.001433
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

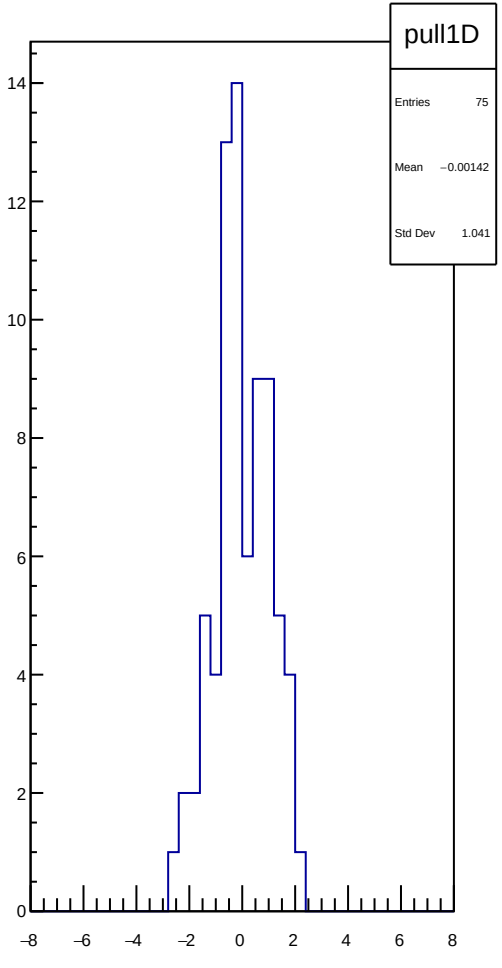

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 66.95 / 74
p0 1728 ± 1.42
1780
1760
1740
1720
1700
1680

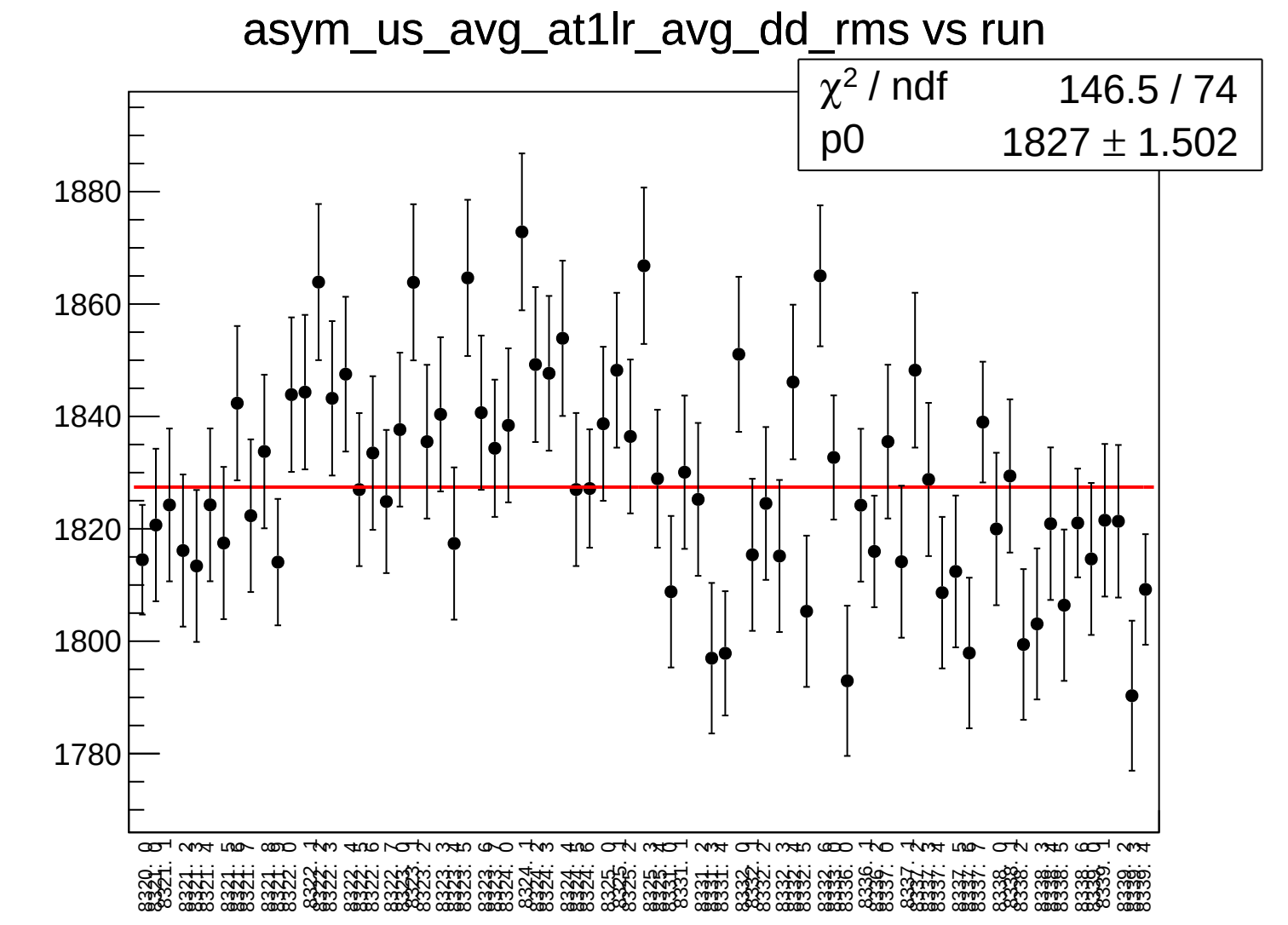

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.77 / 74
p0 −463.2 ± 734.5
pull
Entries 75
Mean −131.2
Std Dev 0

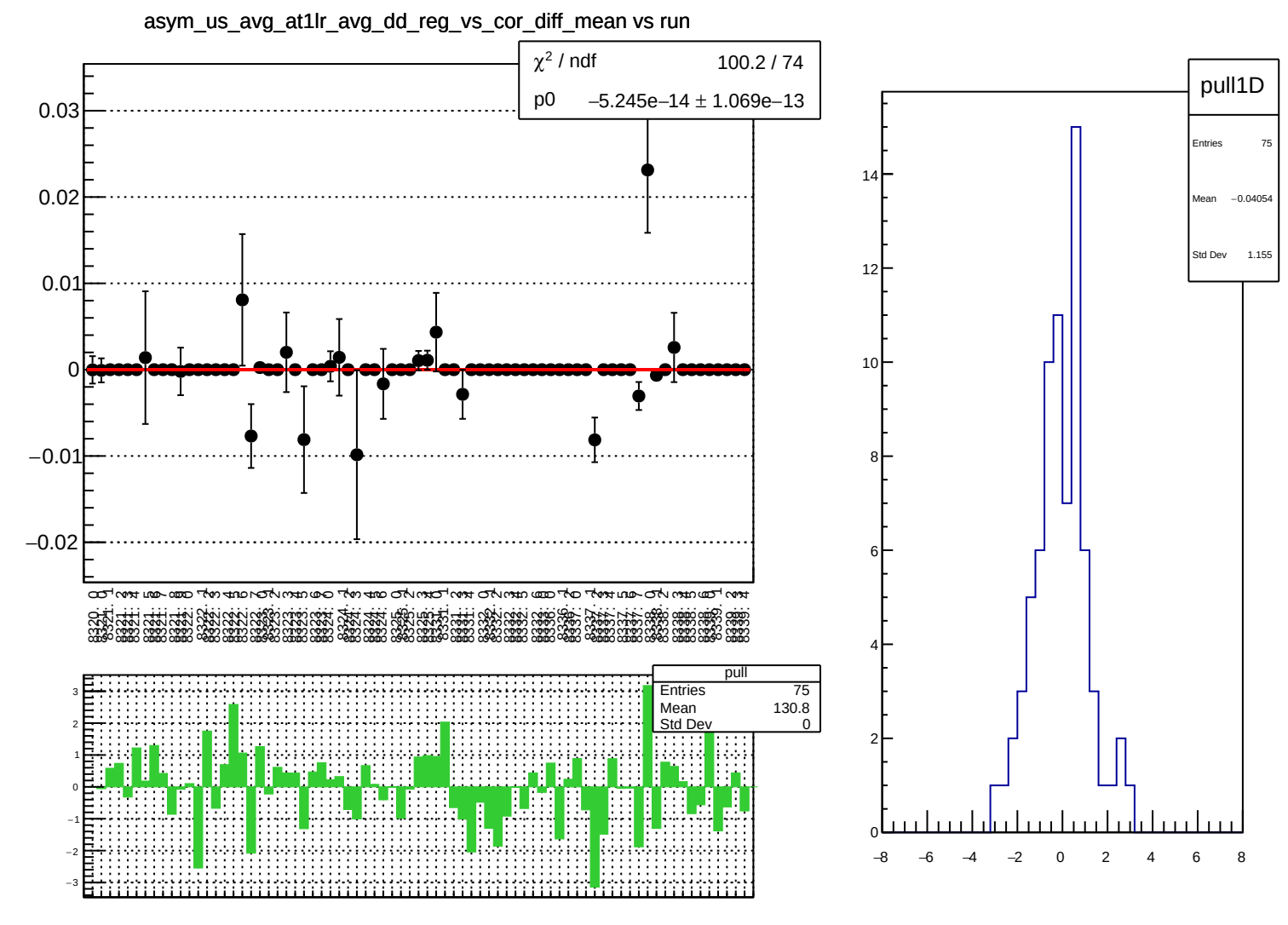

pull1D
Entries 75
Mean 0.006864
Std Dev 1.025

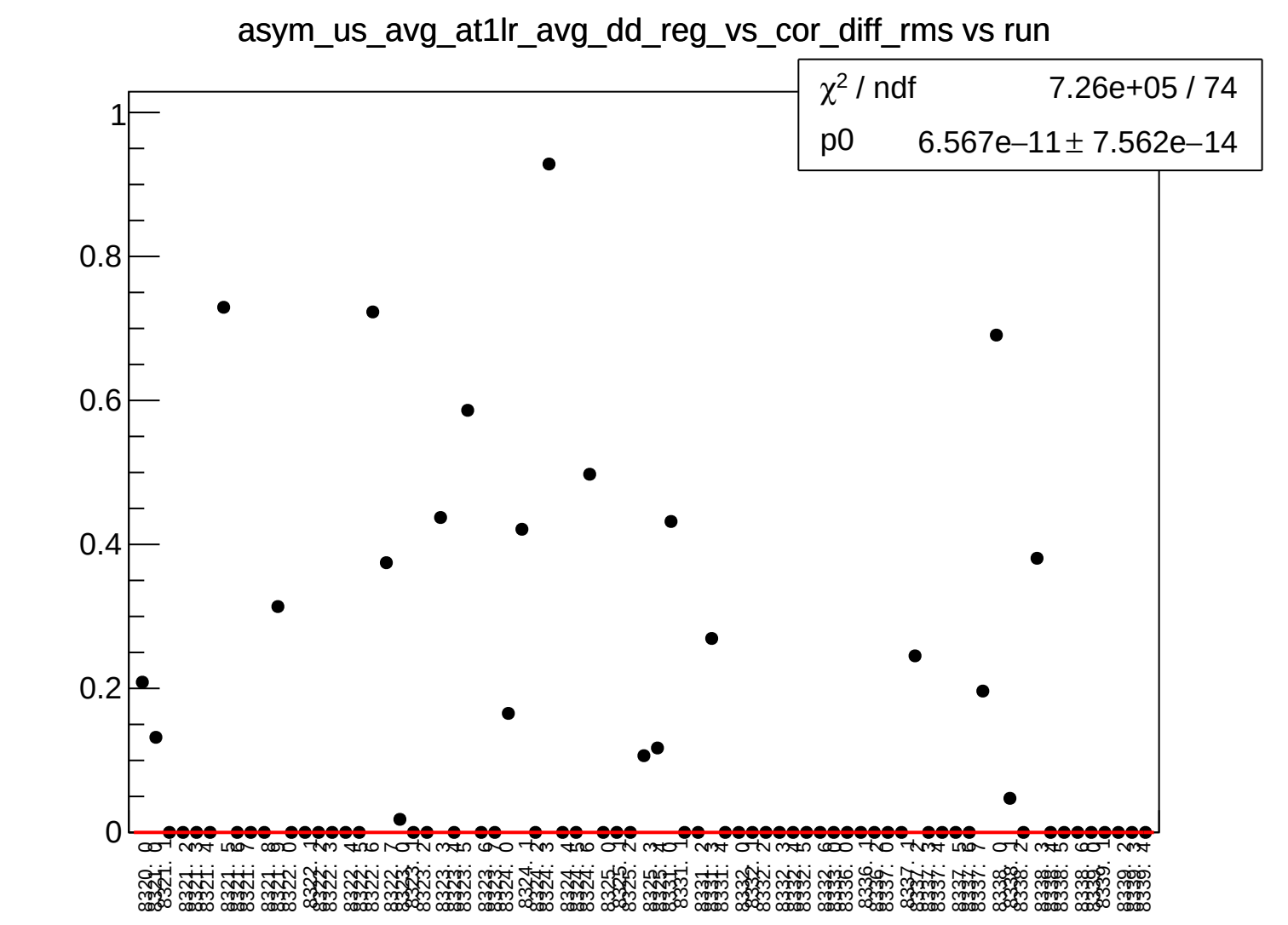

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 4024 / 74
p0 631 ± 0.5194
720
700
680
660
640
620
600
580

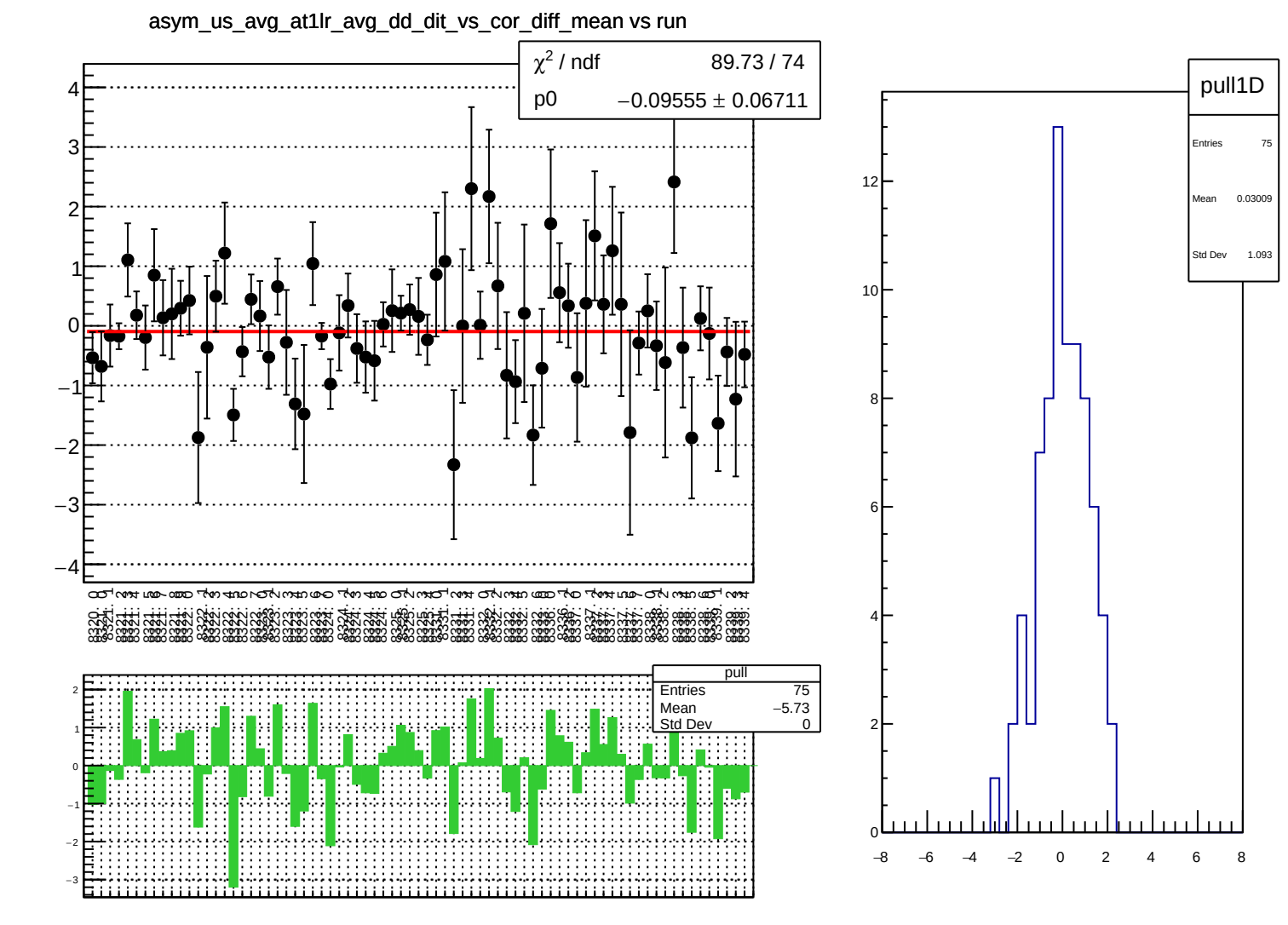

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 81.32 / 74
p0 308 ± 2124
pull
Entries 75
Mean 1240
Std Dev 0

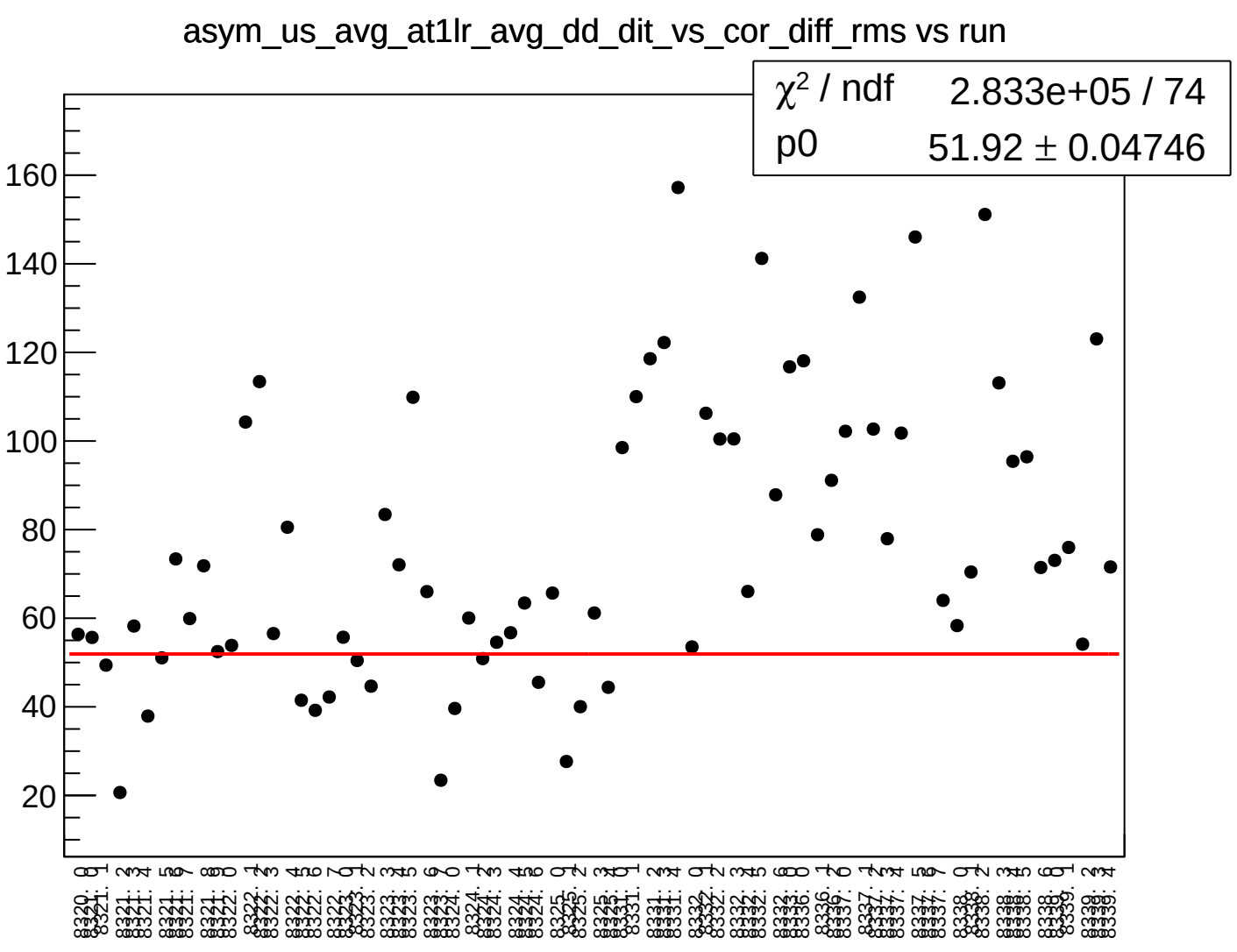

pull1D
Entries 75
Mean −0.00142
Std Dev 1.041

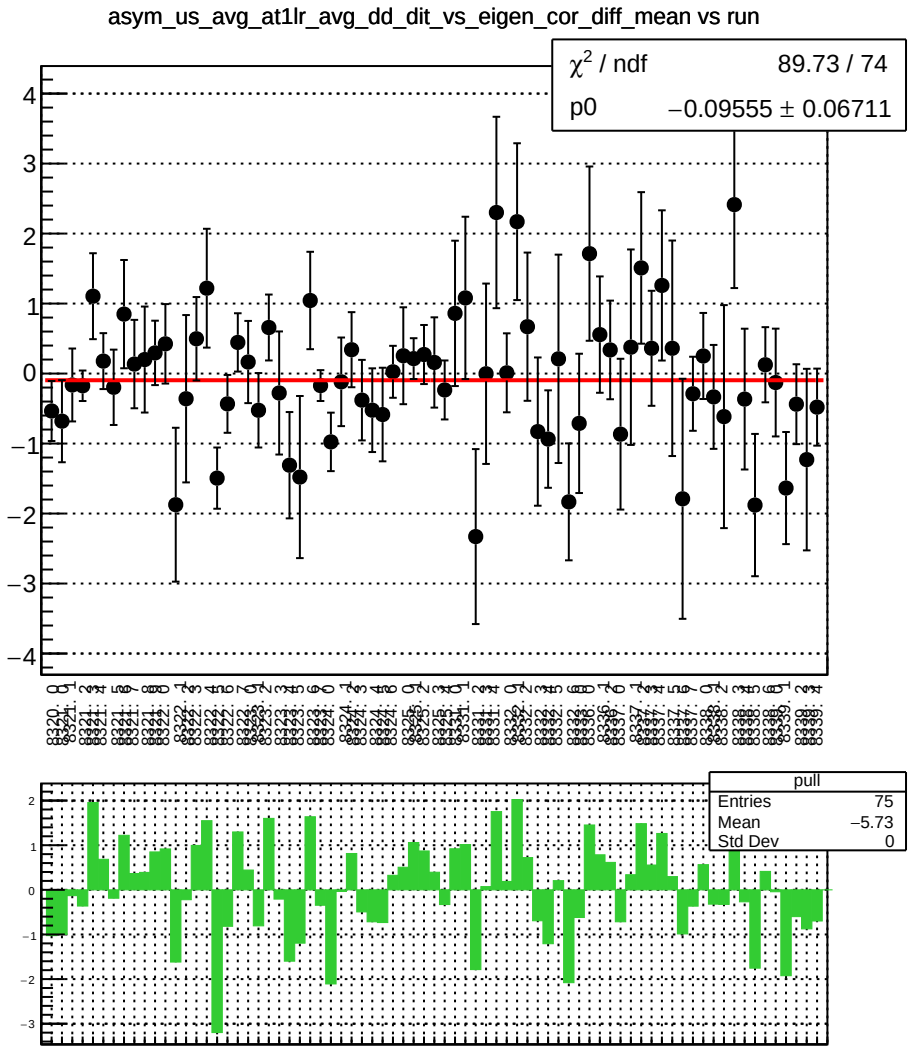

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 146.5 / 74
p0 1827 ± 1.502
1880
1860
1840
1820
1800
1780

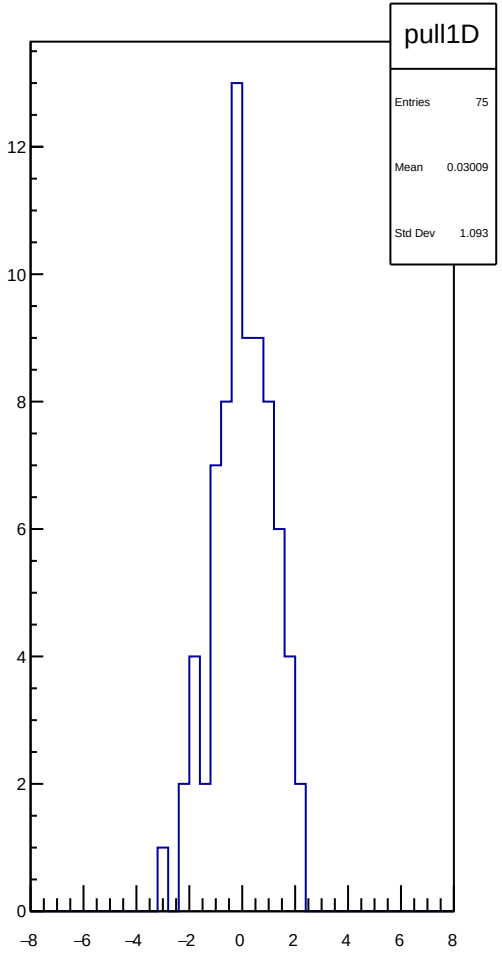

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 100.2 / 74
p0 −5.245e−14 ± 1.069e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean 130.8
Std Dev 0
pull1D
Entries 75
Mean −0.04054
Std Dev 1.155

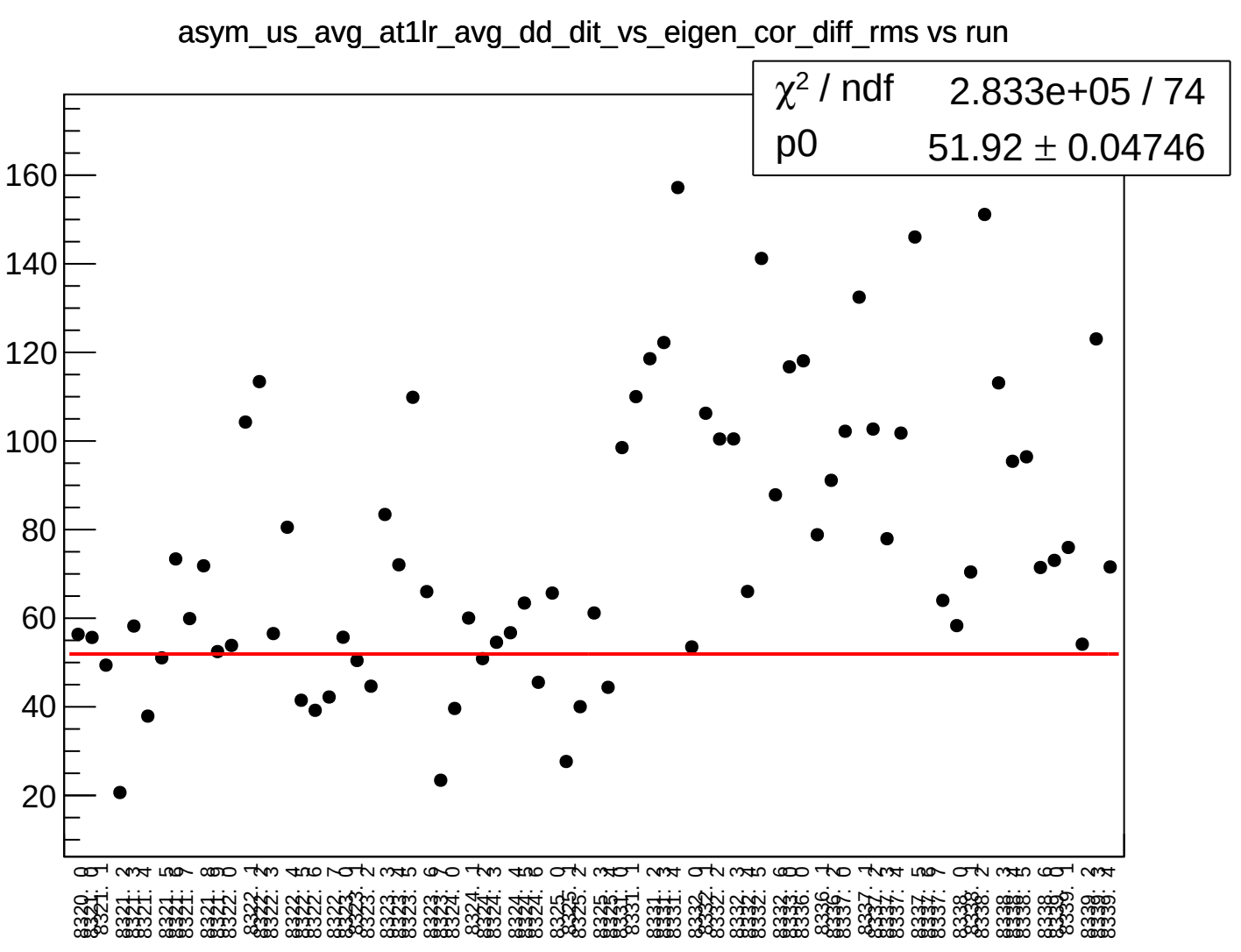

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.26e+05 / 74
p0 6.567e−11 ± 7.562e−14
1
0.8
0.6
0.4
0.2
0

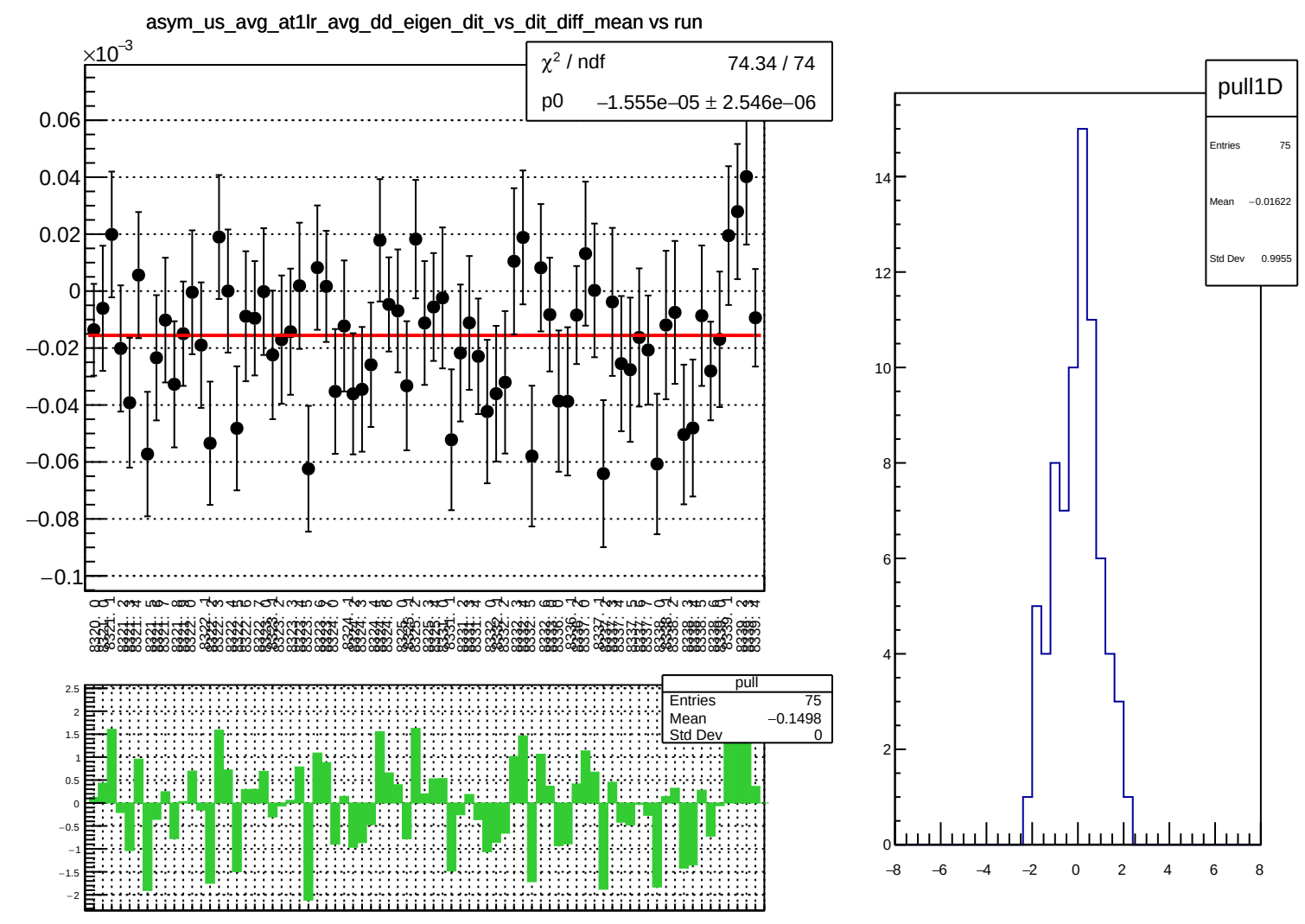

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 89.73 / 74
p0 −0.09555 ± 0.06711
pull
Entries 75
Mean −5.73
Std Dev 0
pull1D
Entries 75
Mean 0.03009
Std Dev 1.093

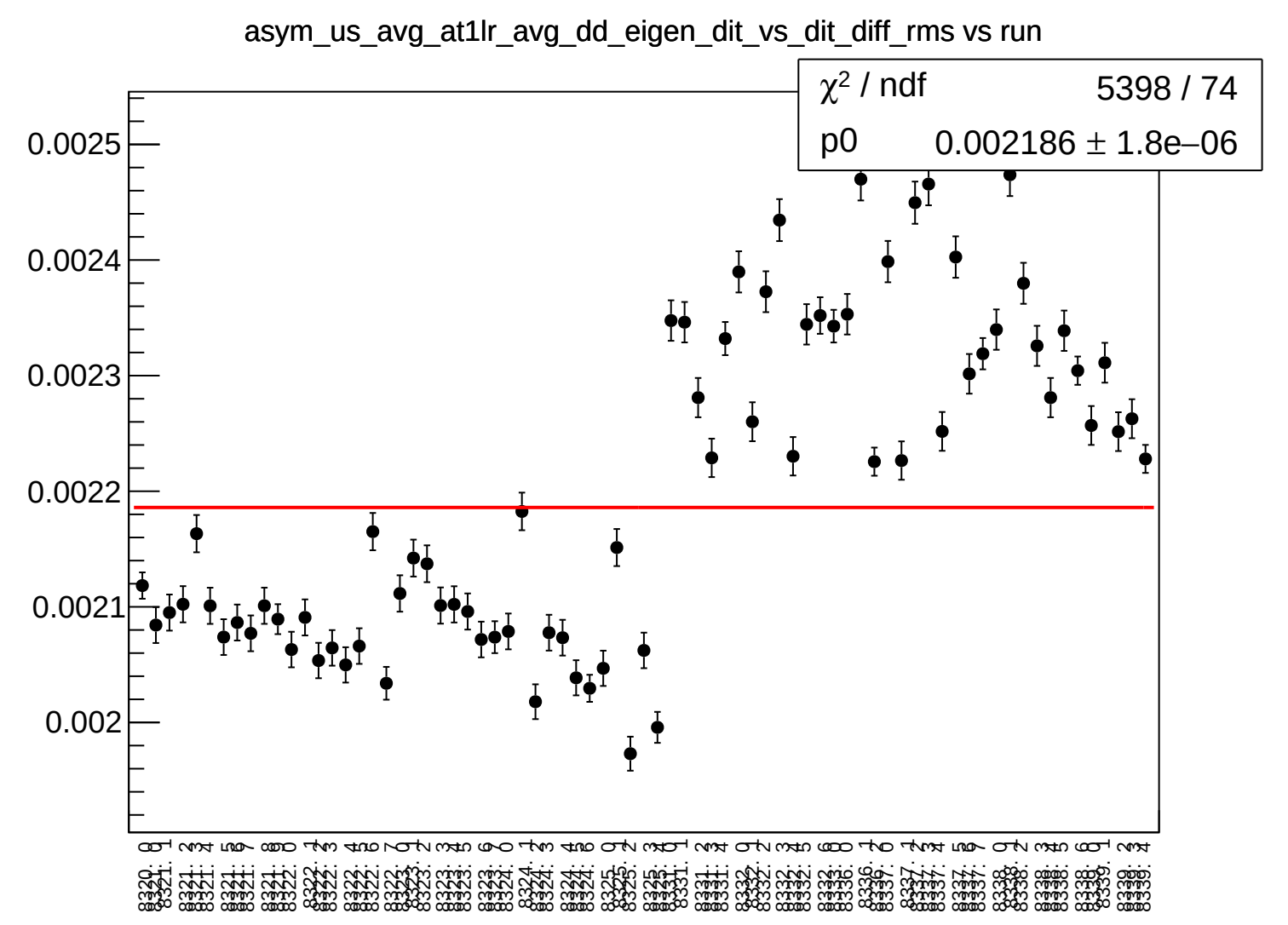

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.833e+05 / 74
p0 51.92 ± 0.04746
160
140
120
100
80
60
40
20

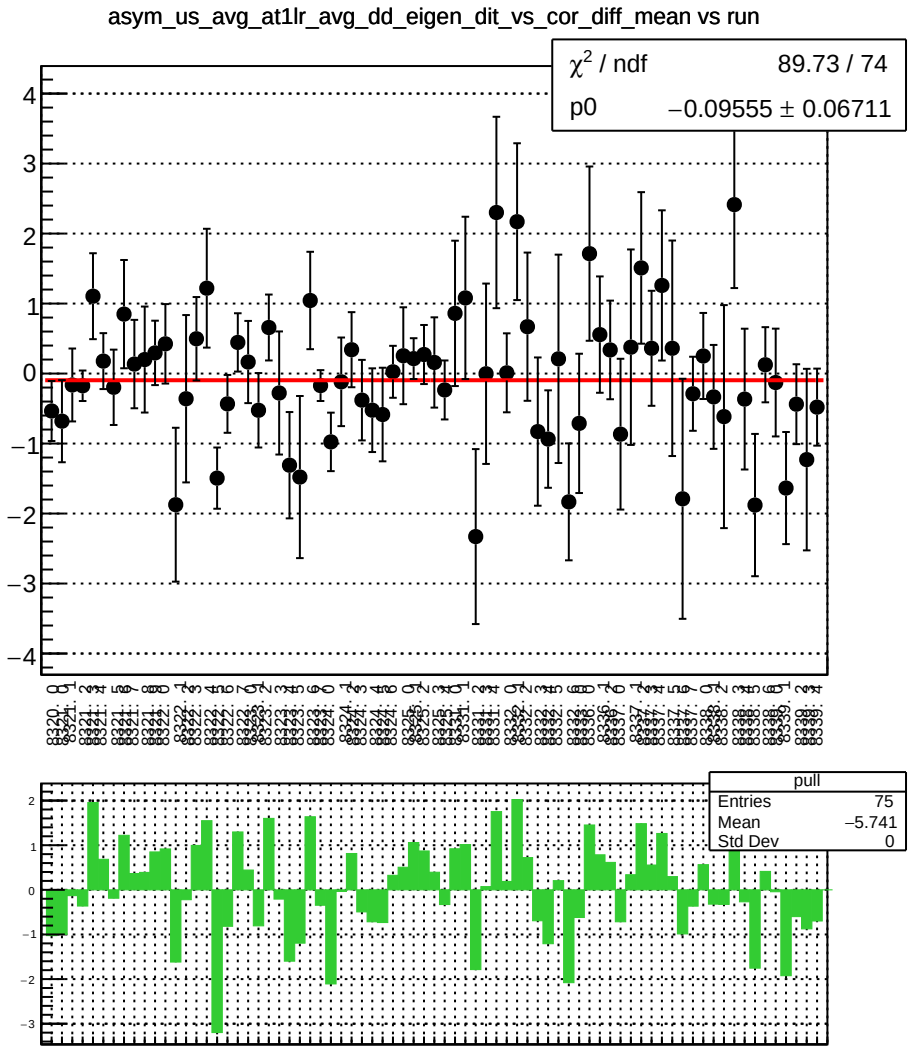

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.73 / 74
p0 −0.09555 ± 0.06711
pull
Entries 75
Mean −5.73
Std Dev 0

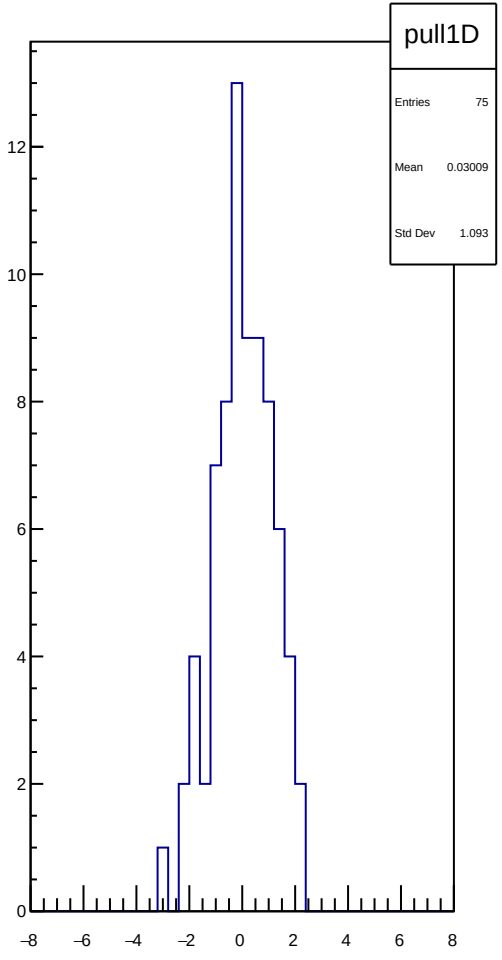

pull1D
Entries 75
Mean 0.03009
Std Dev 1.093

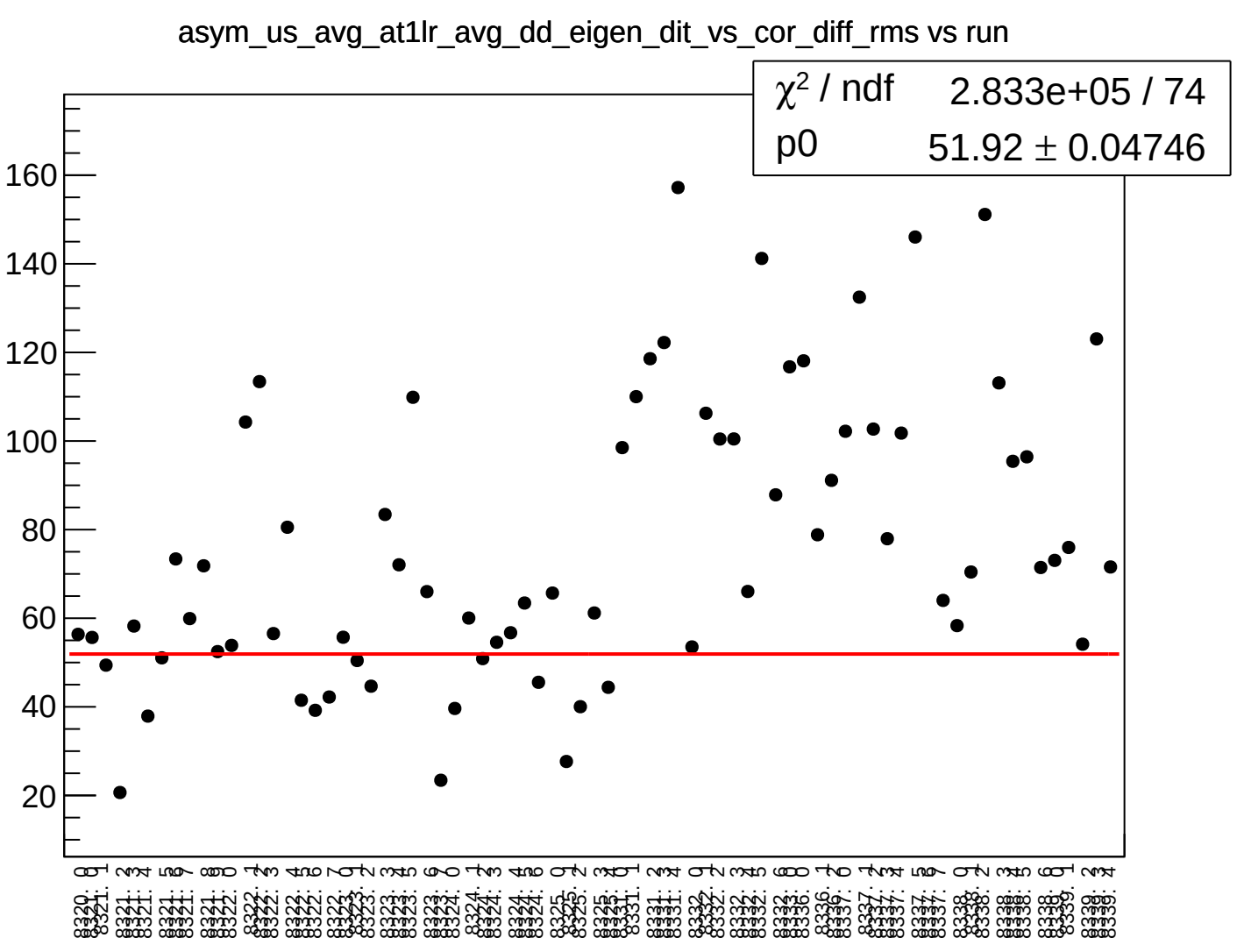

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.833e+05 / 74
p0 51.92 ± 0.04746
160
140
120
100
80
60
40
20

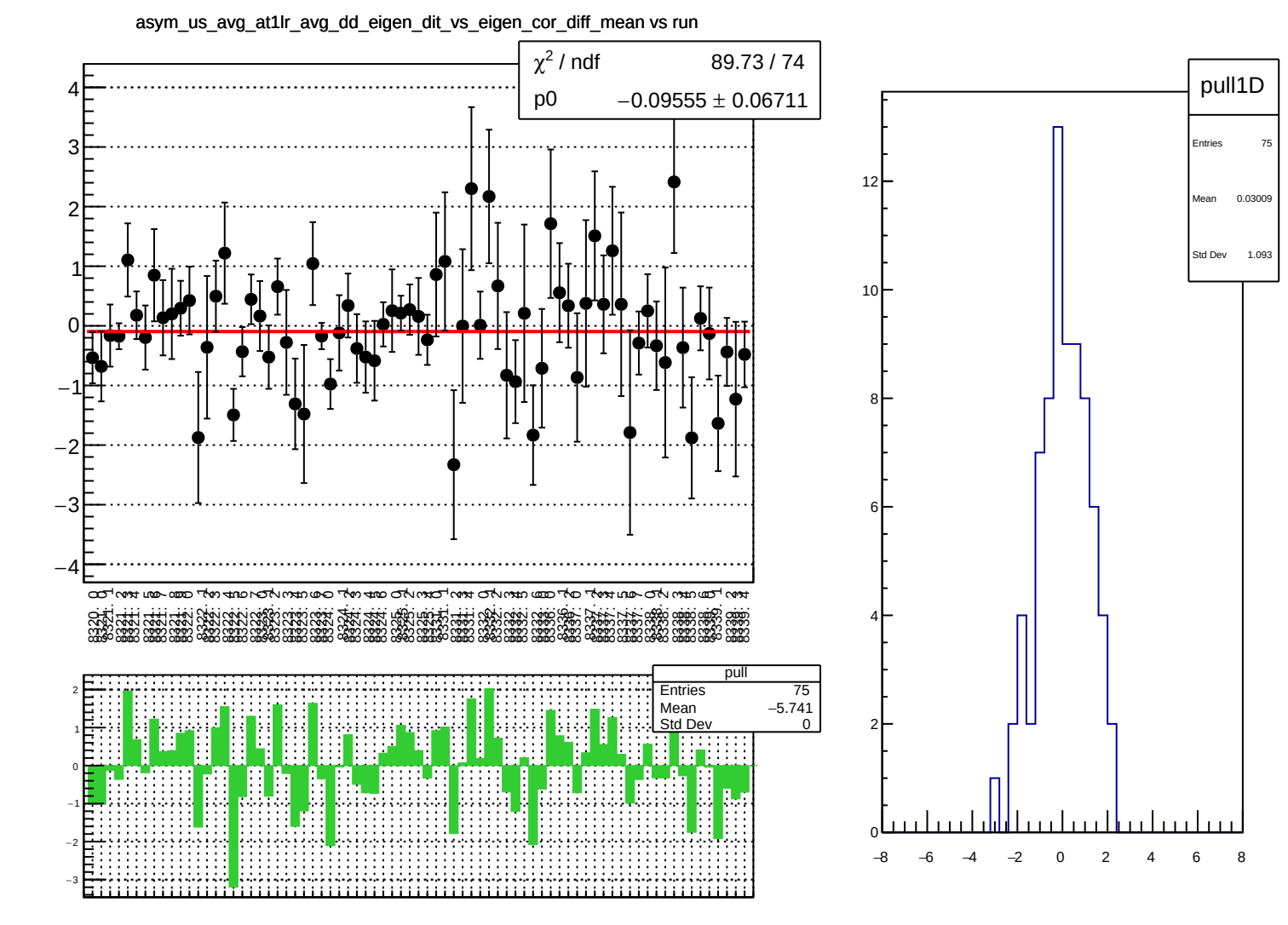

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 74.34 / 74
p0 −1.555e−05 ± 2.546e−06
pull
Entries 75
Mean −0.1498
Std Dev 0
pull1D
Entries 75
Mean −0.01622
Std Dev 0.9955

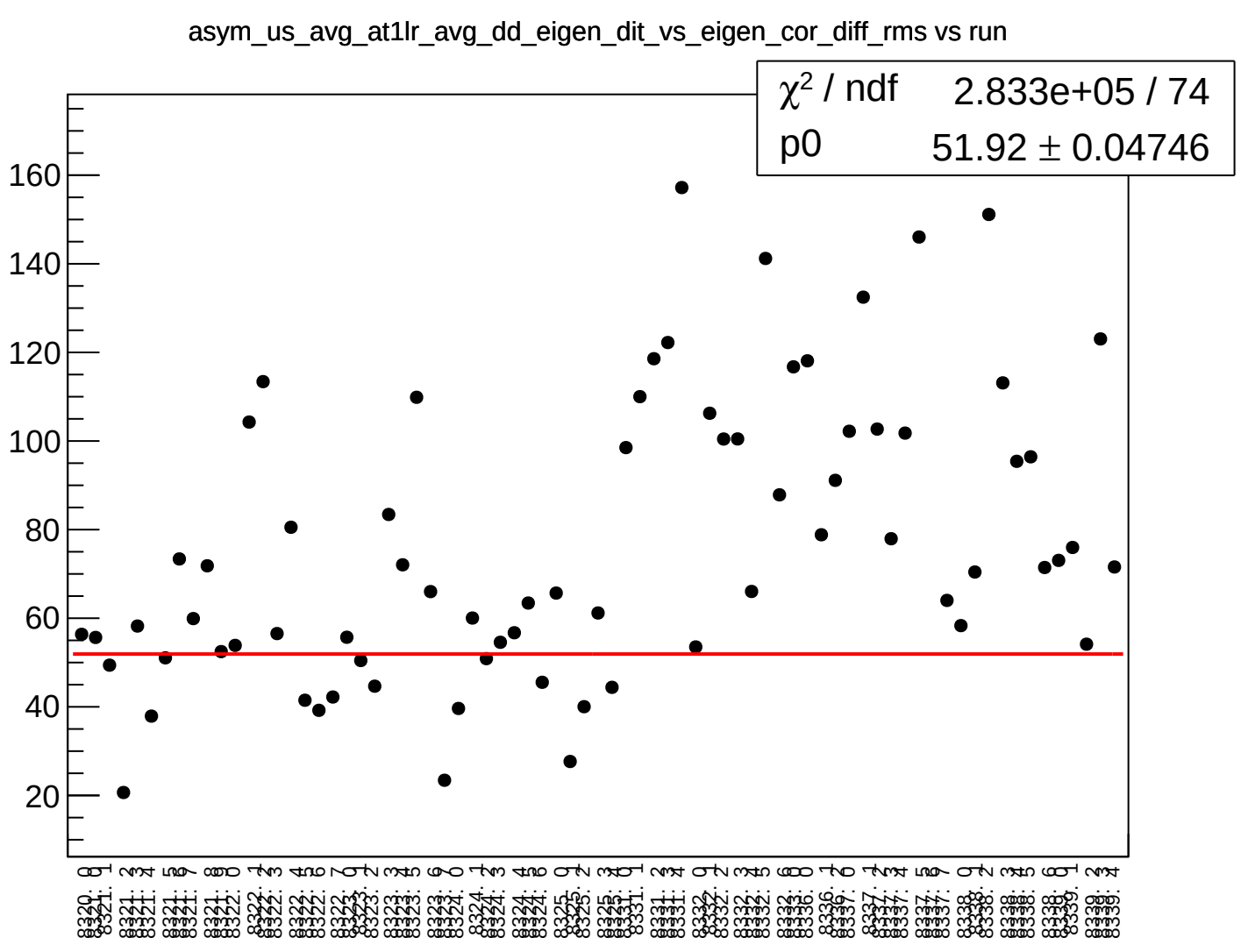

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5398 / 74
p0 0.002186 ± 1.8e−06
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

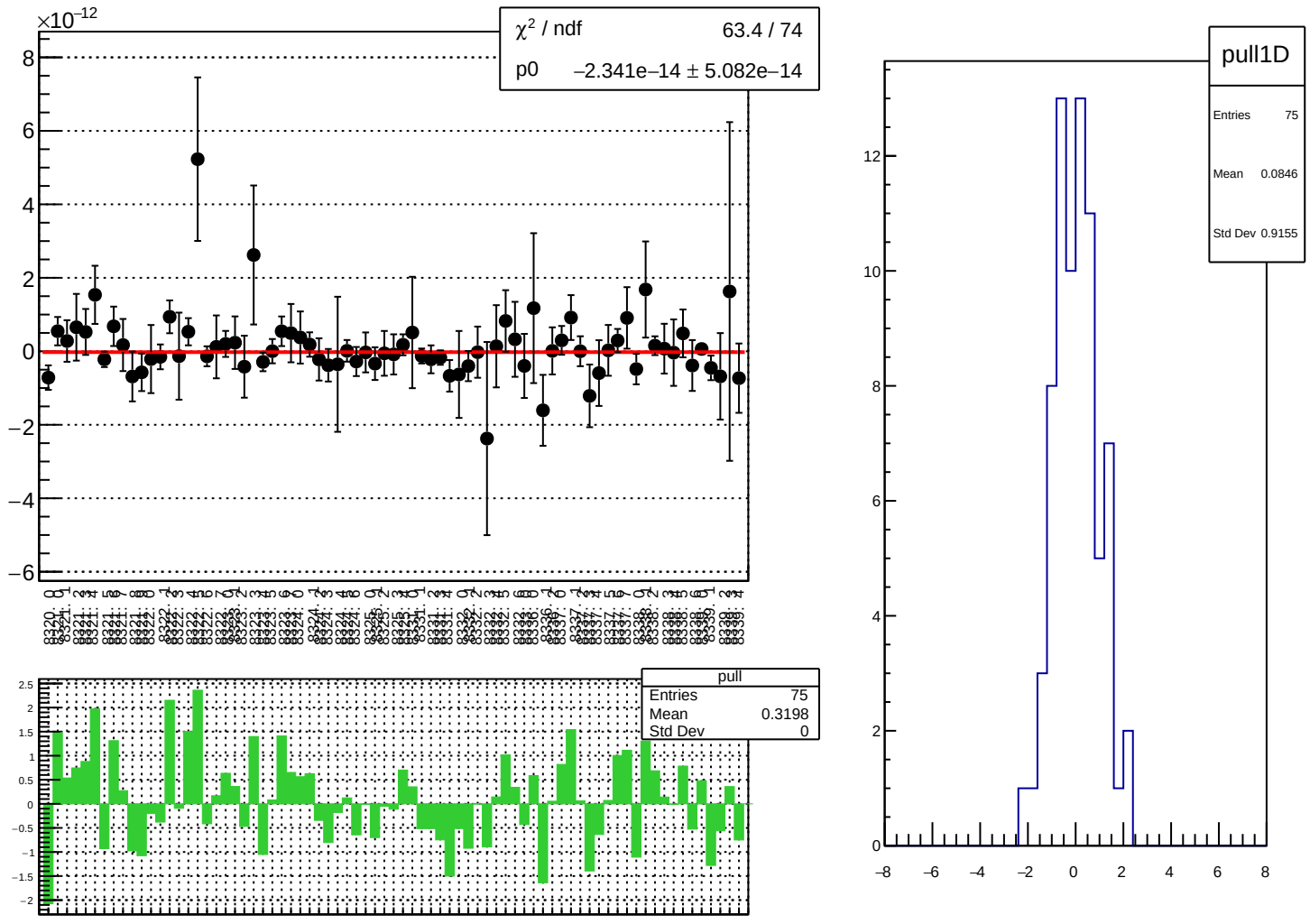

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 89.73 / 74
p0 −0.09555 ± 0.06711
pull
Entries 75
Mean −5.741
Std Dev 0

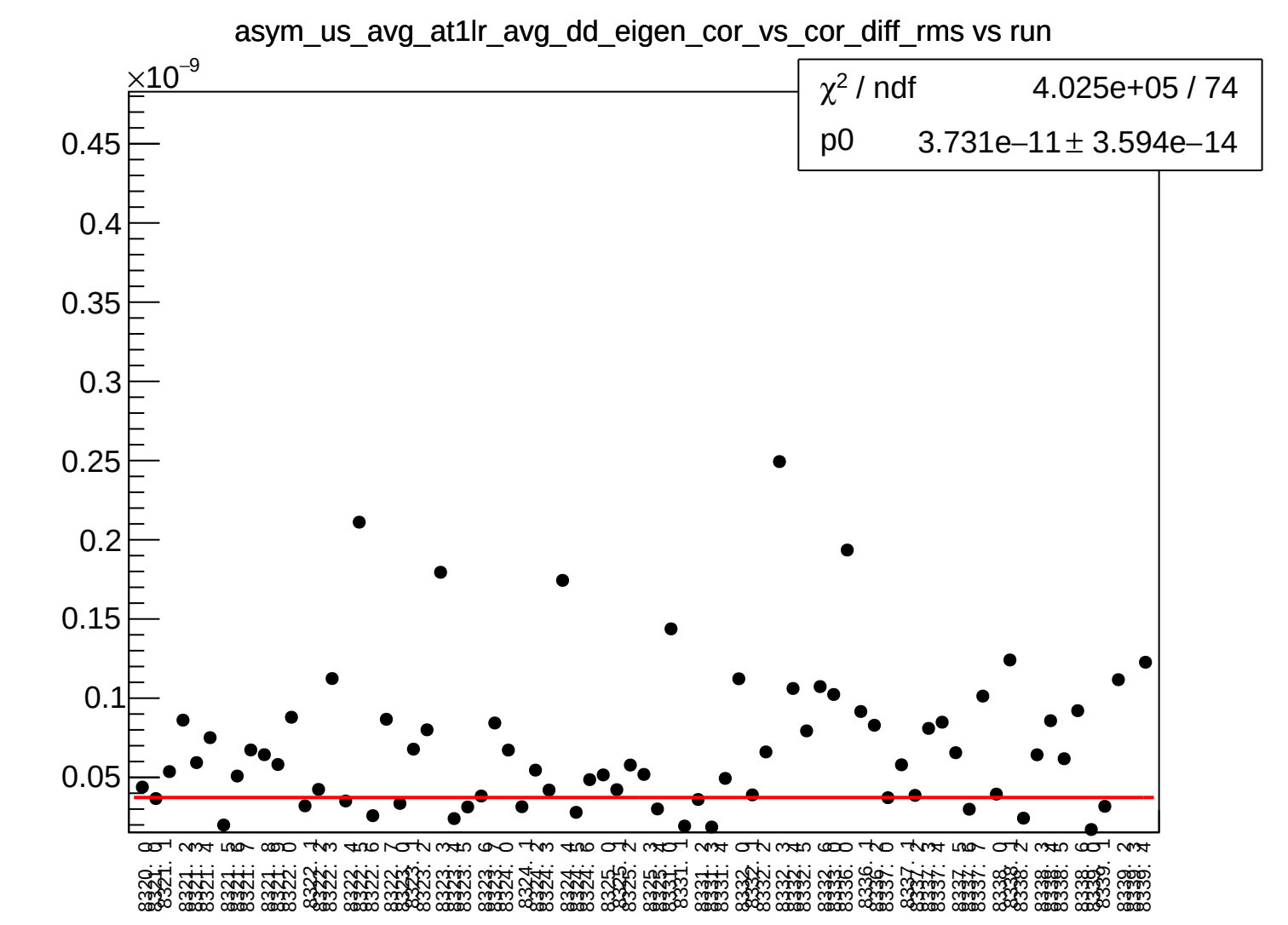

pull1D
Entries 75
Mean 0.03009
Std Dev 1.093

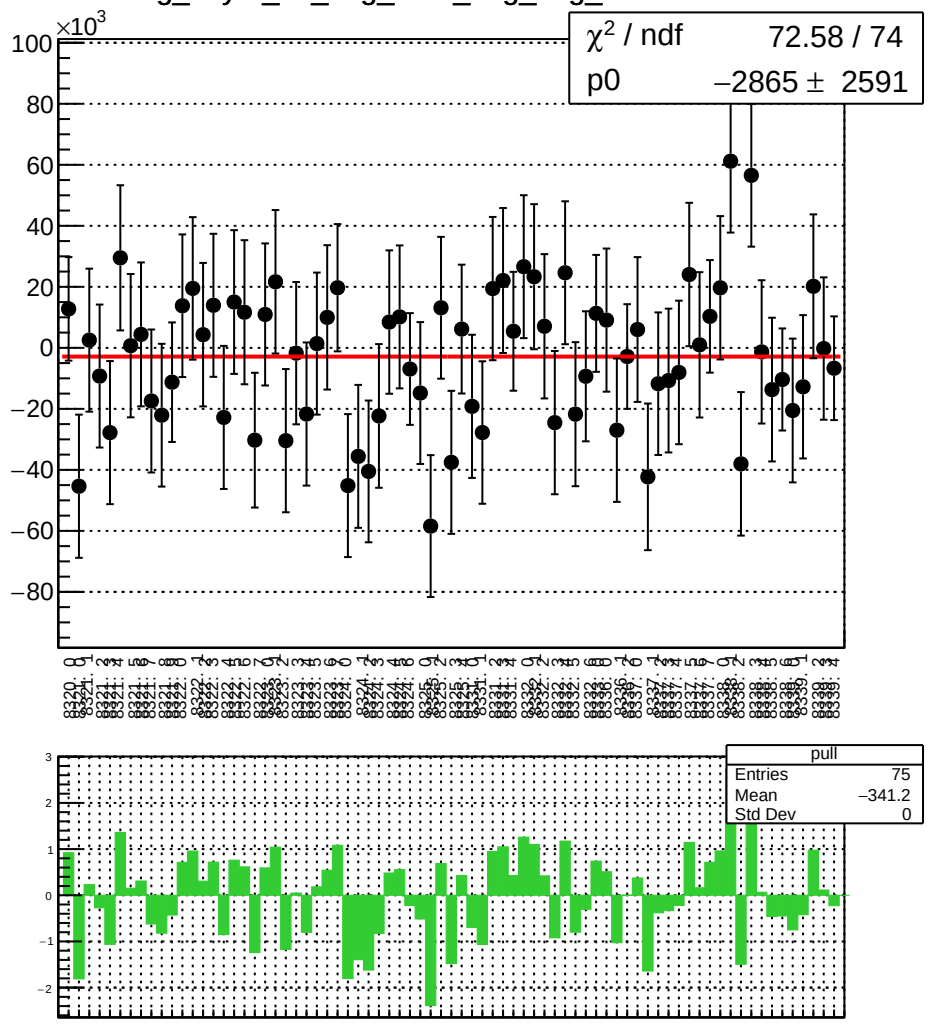

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.833e+05 / 74
p0 51.92 ± 0.04746
160
140
120
100
80
60
40
20

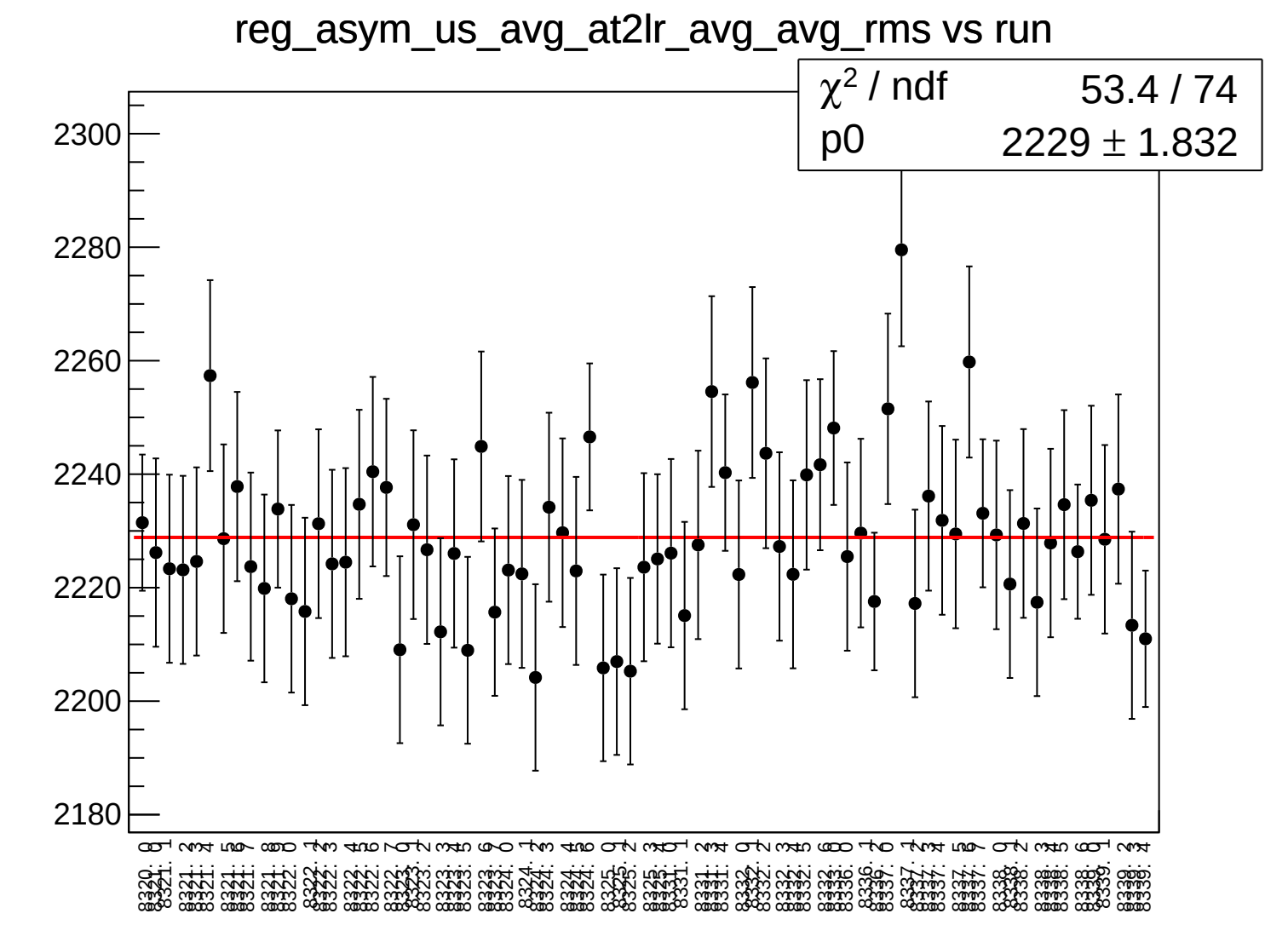

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 89.73 / 74
p0 −0.09555 ± 0.06711
pull
Entries 75
Mean −5.741
Std Dev 0
pull1D
Entries 75
Mean 0.03009
Std Dev 1.093

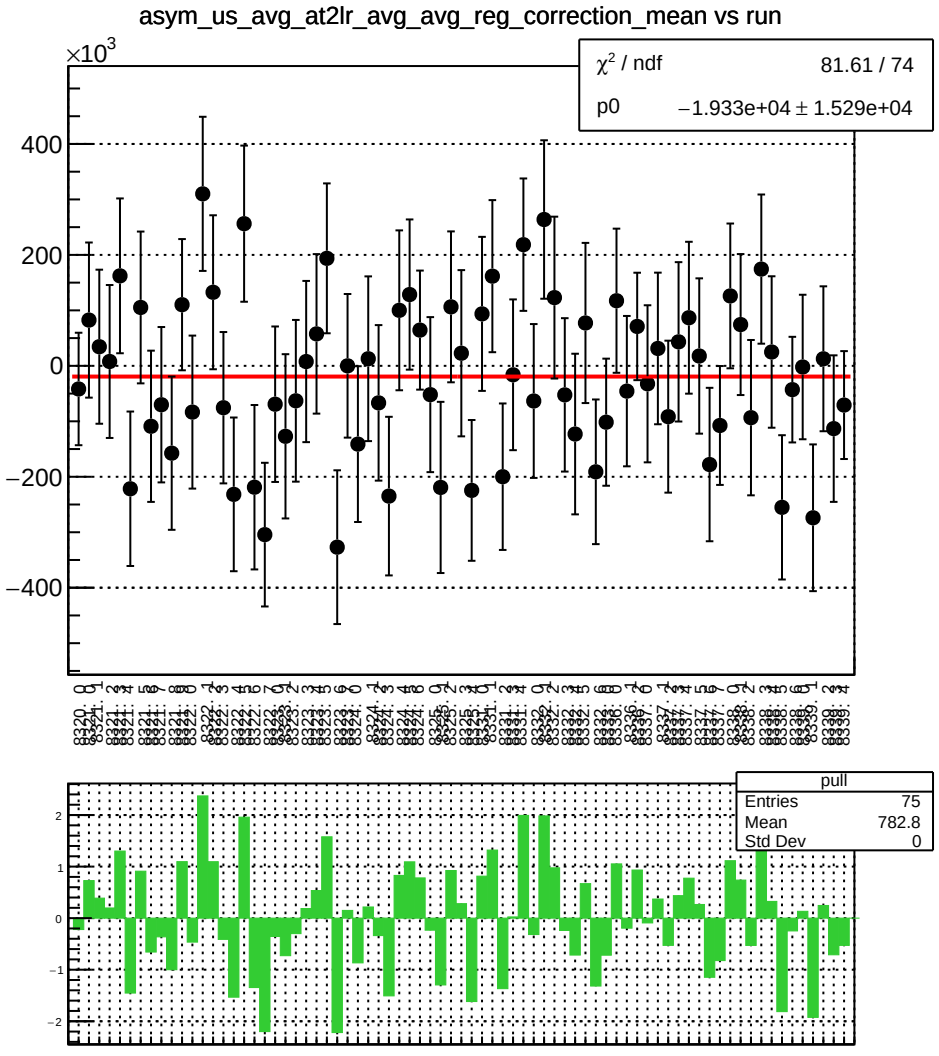

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.833e+05 / 74
p0 51.92 ± 0.04746
160
140
120
100
80
60
40
20

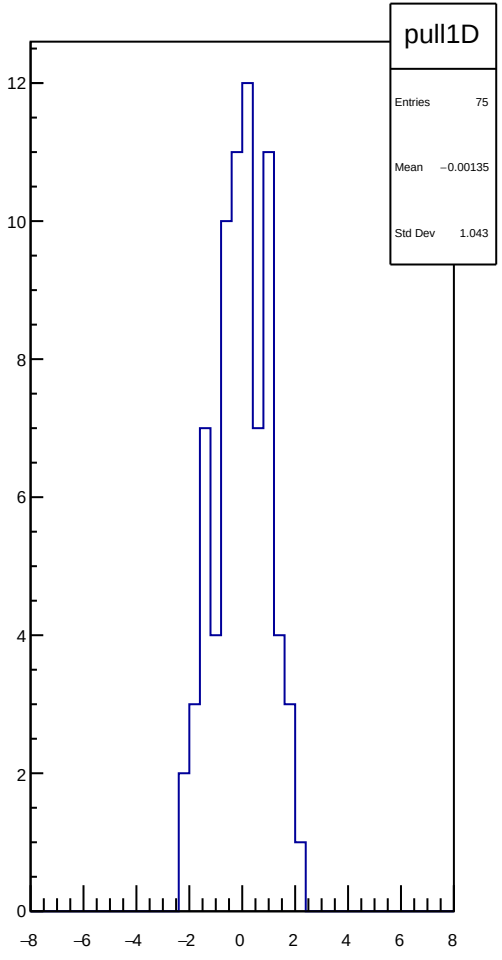

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.4 / 74
p0 −2.341e−14 ± 5.082e−14
pull
Entries 75
Mean 0.3198
Std Dev 0
pull1D
Entries 75
Mean 0.0846
Std Dev 0.9155

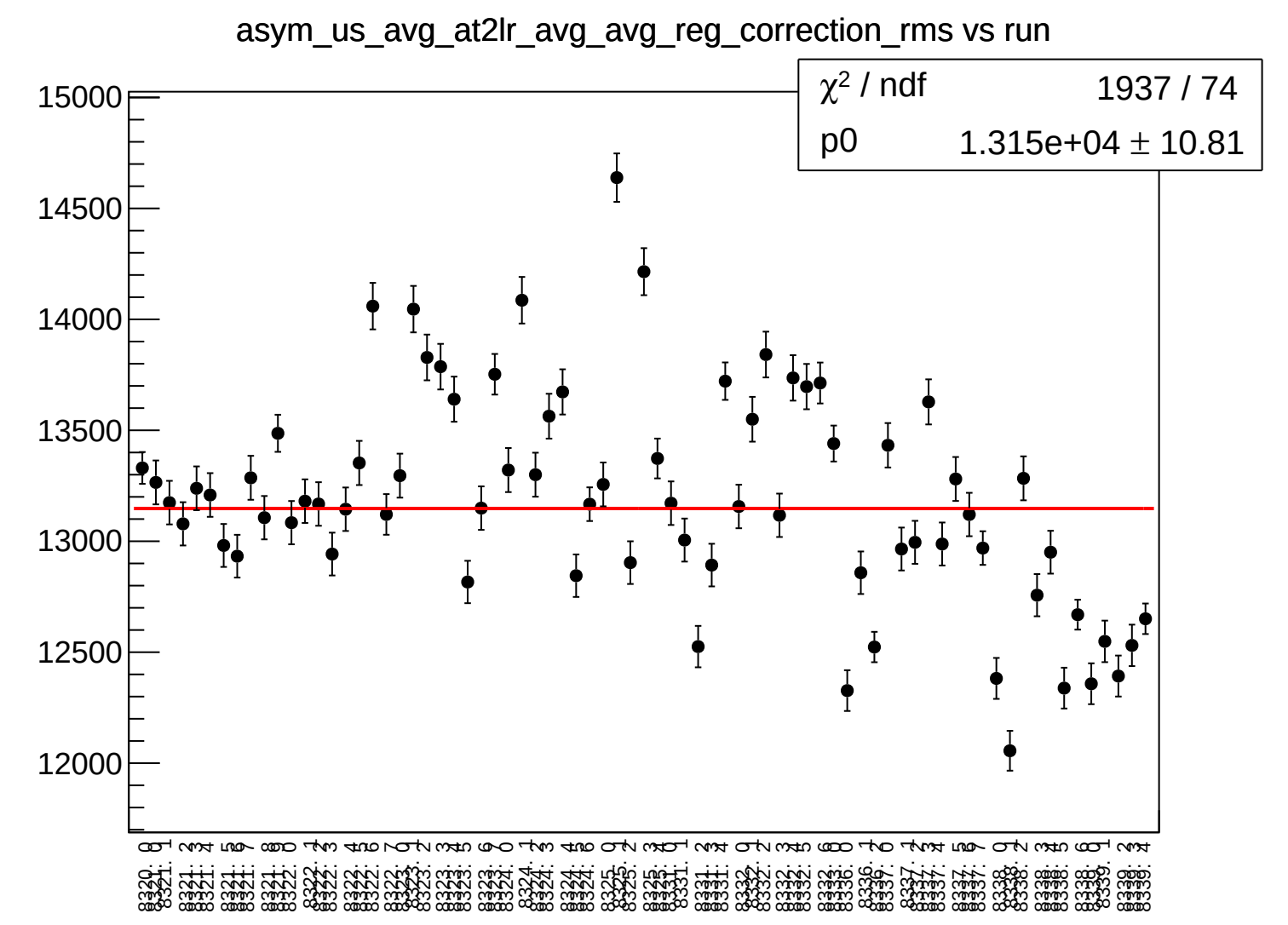

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.025e+05 / 74
p0 3.731e−11 ± 3.594e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

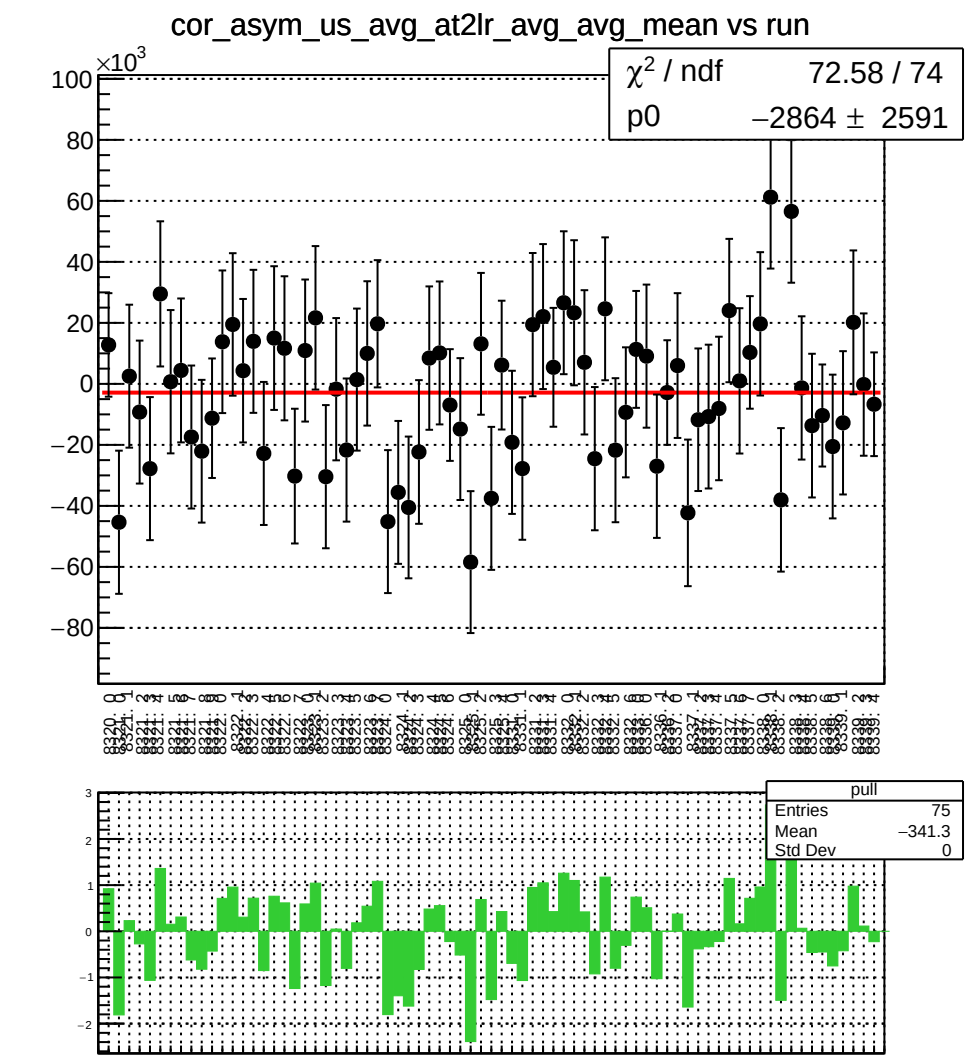

reg_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.58 / 74
p0 −2865 ± 2591
pull
Entries 75
Mean −341.2
Std Dev 0
pull1D
Entries 75
Mean −0.005639
Std Dev 0.9837

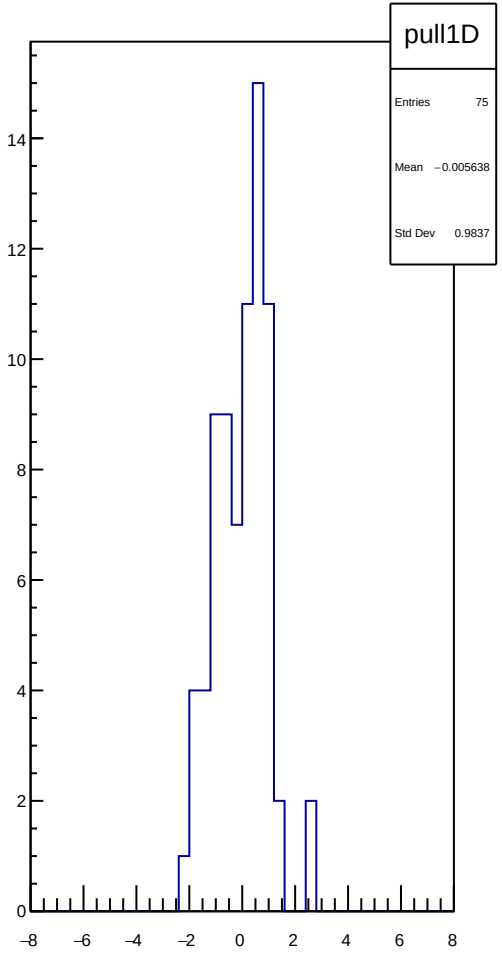

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 53.4 / 74
p0 2229 ± 1.832
2300
2280
2260
2240
2220
2200
2180

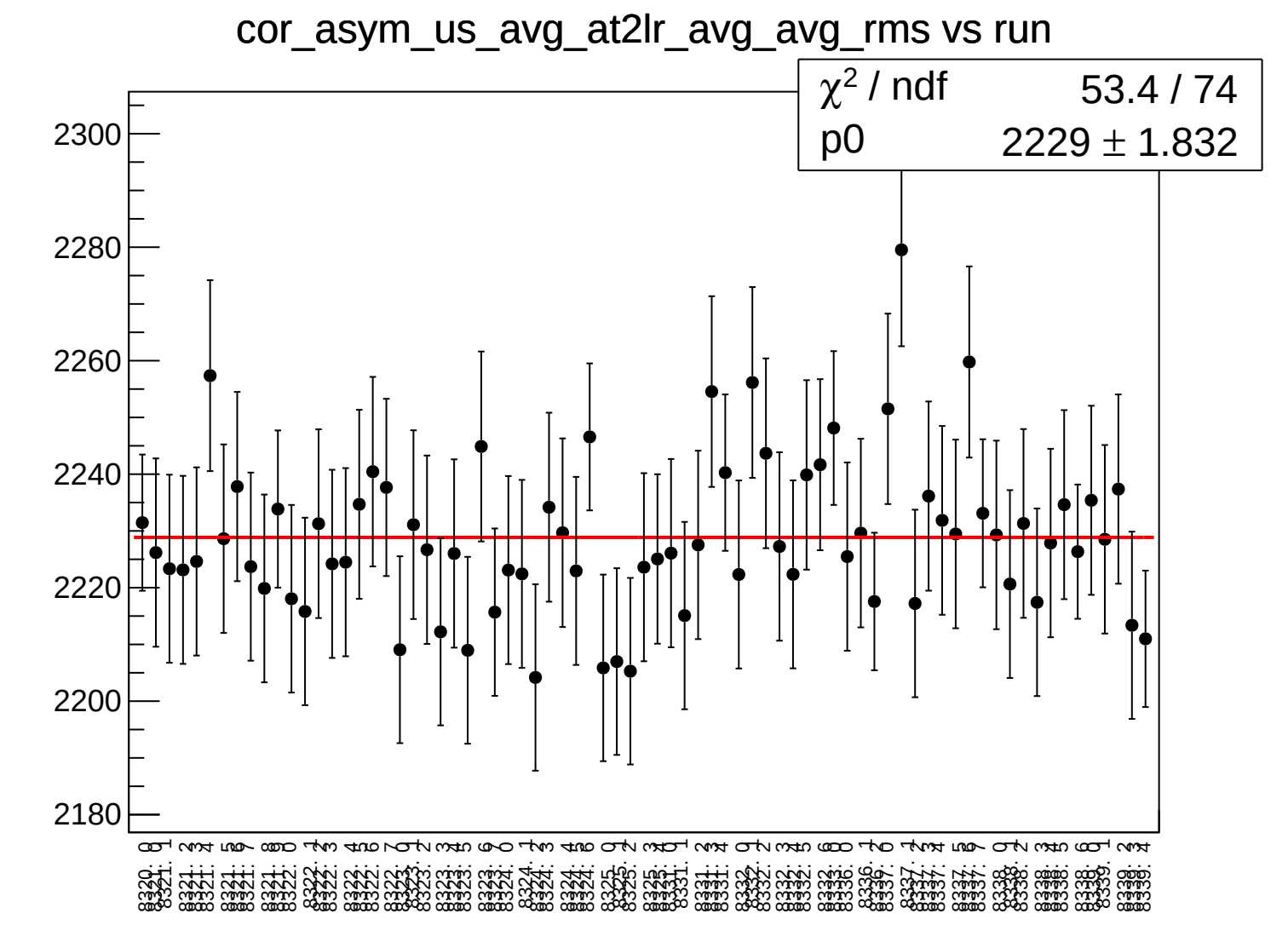

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.61 / 74
p0 −1.933e+04 ± 1.529e+04
400
200
0
−200
−400
pull
Entries 75
Mean 782.8
Std Dev 0
2
1
0
−1
−2

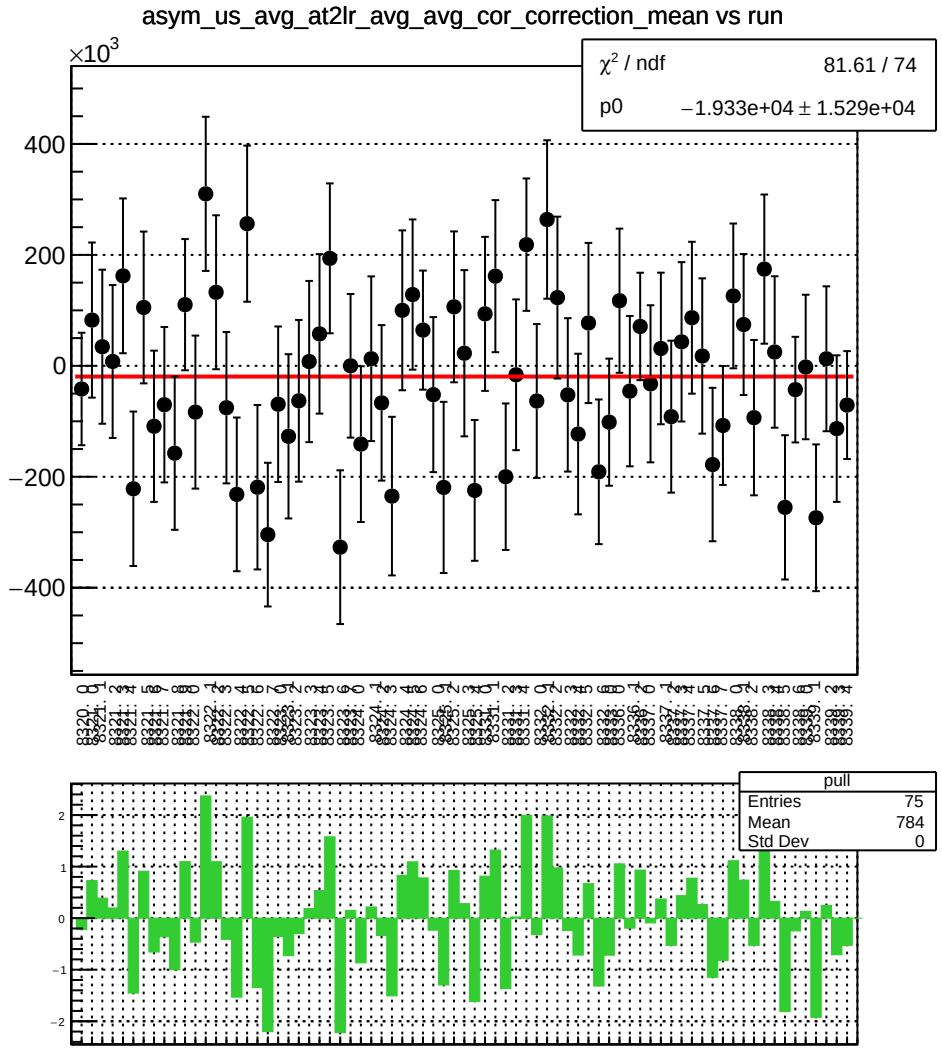

pull1D
Entries 75
Mean −0.00135
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

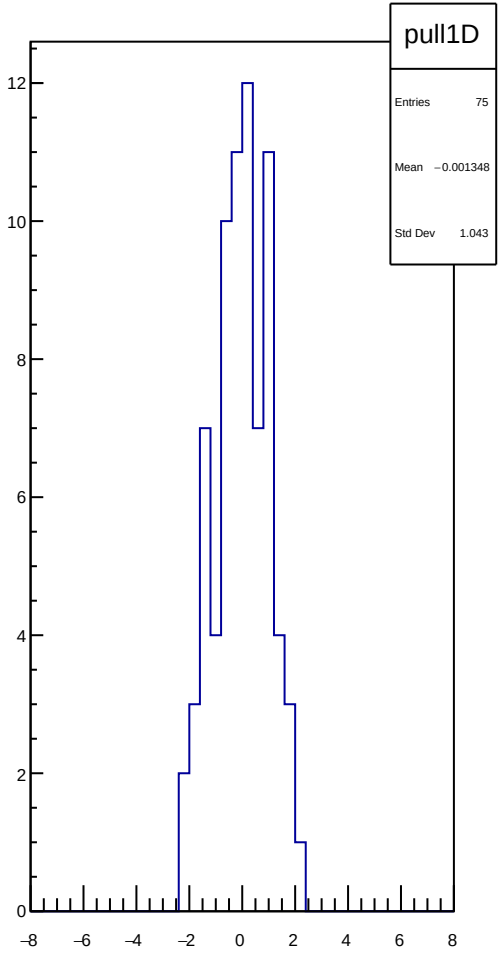

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1937 / 74
p0 1.315e+04 ± 10.81
15000
14500
14000
13500
13000
12500
12000

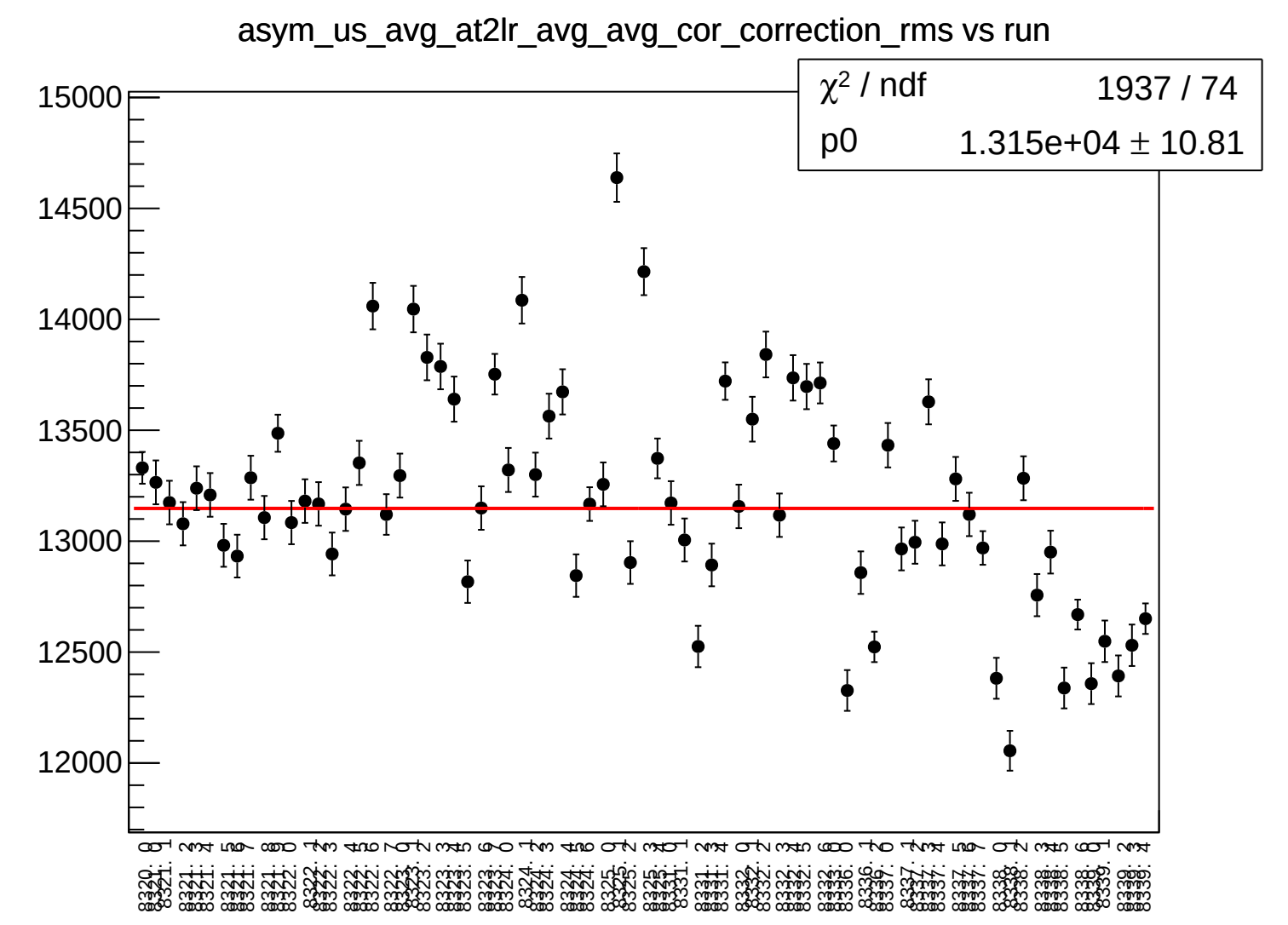

cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ^2 / ndf 72.58 / 74
p0 −2864 ± 2591
pull
Entries 75
Mean −341.3
Std Dev 0

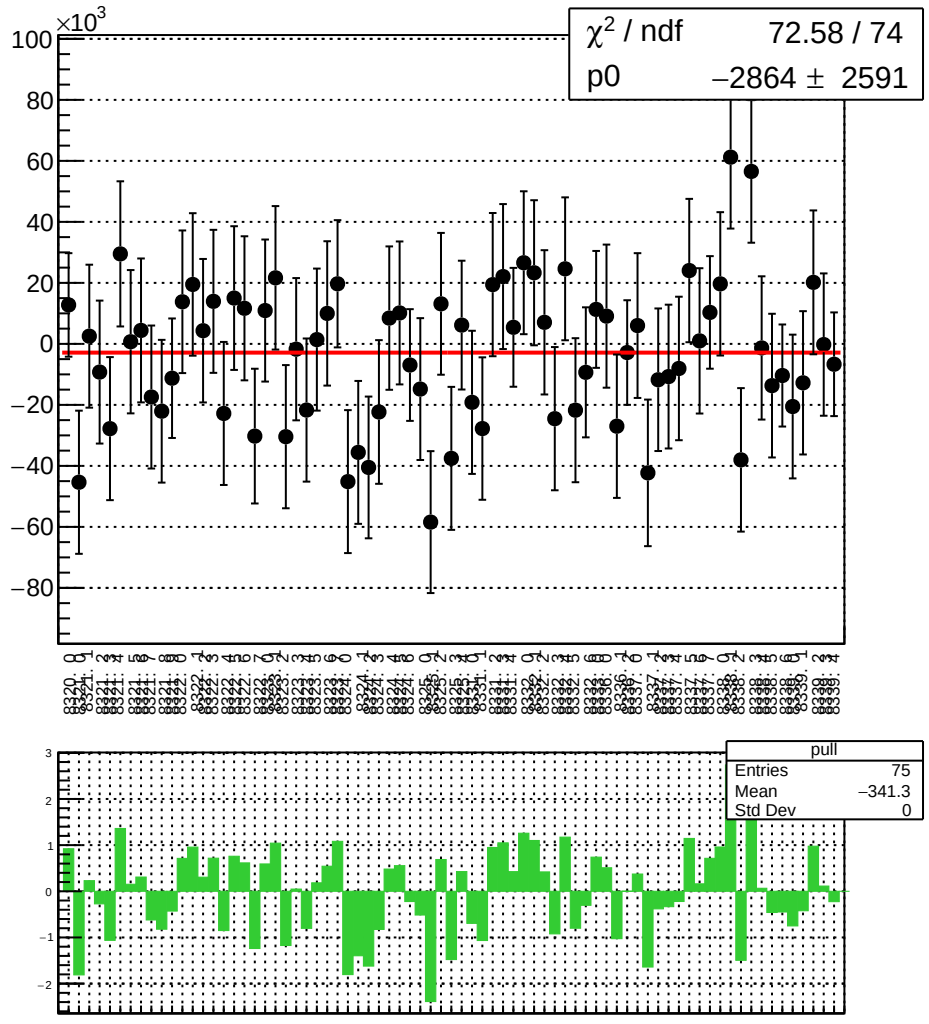

pull1D
Entries 75
Mean −0.005638
Std Dev 0.9837

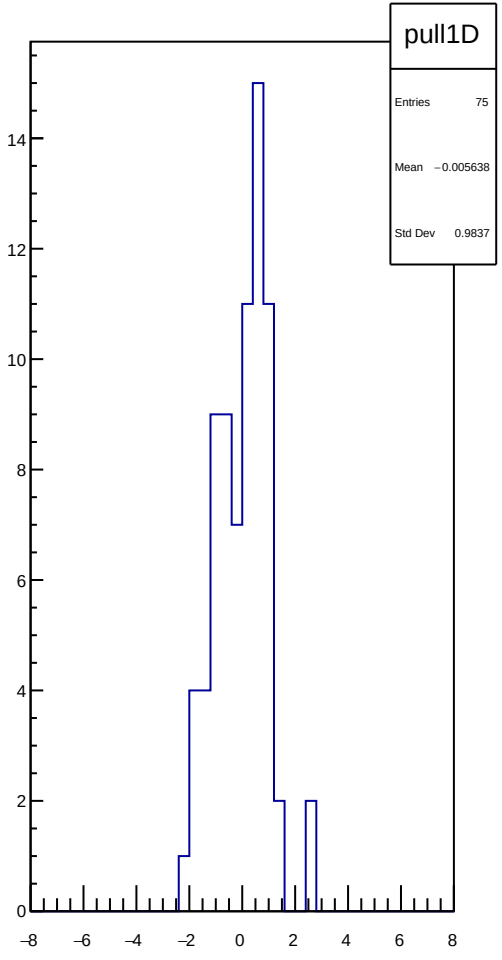

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 53.4 / 74
p0 2229 ± 1.832
2300
2280
2260
2240
2220
2200
2180

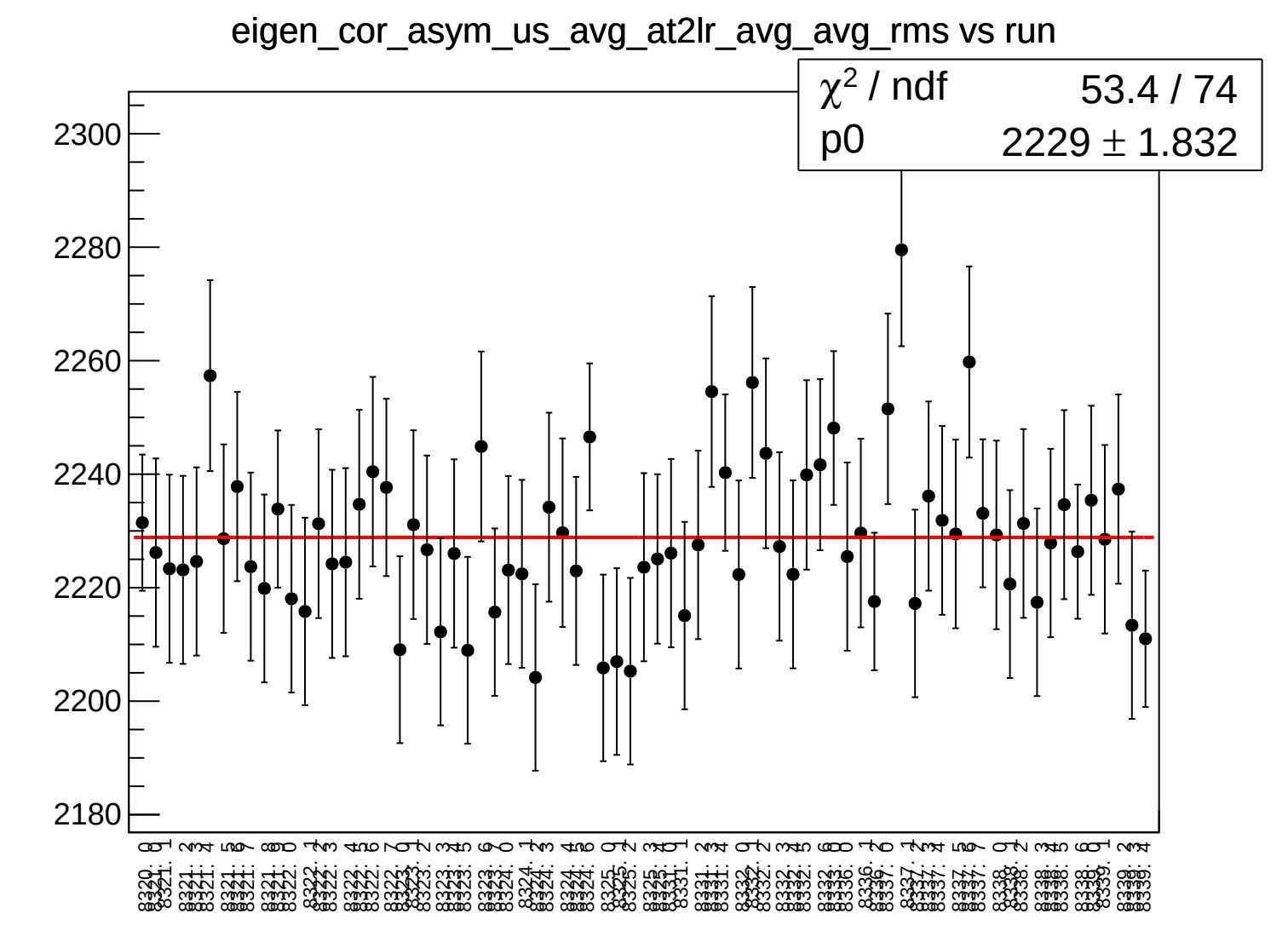

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.61 / 74
p0 −1.933e+04 ± 1.529e+04
400
200
0
−200
−400
pull
Entries 75
Mean 784
Std Dev 0
2
1
0
−1
−2

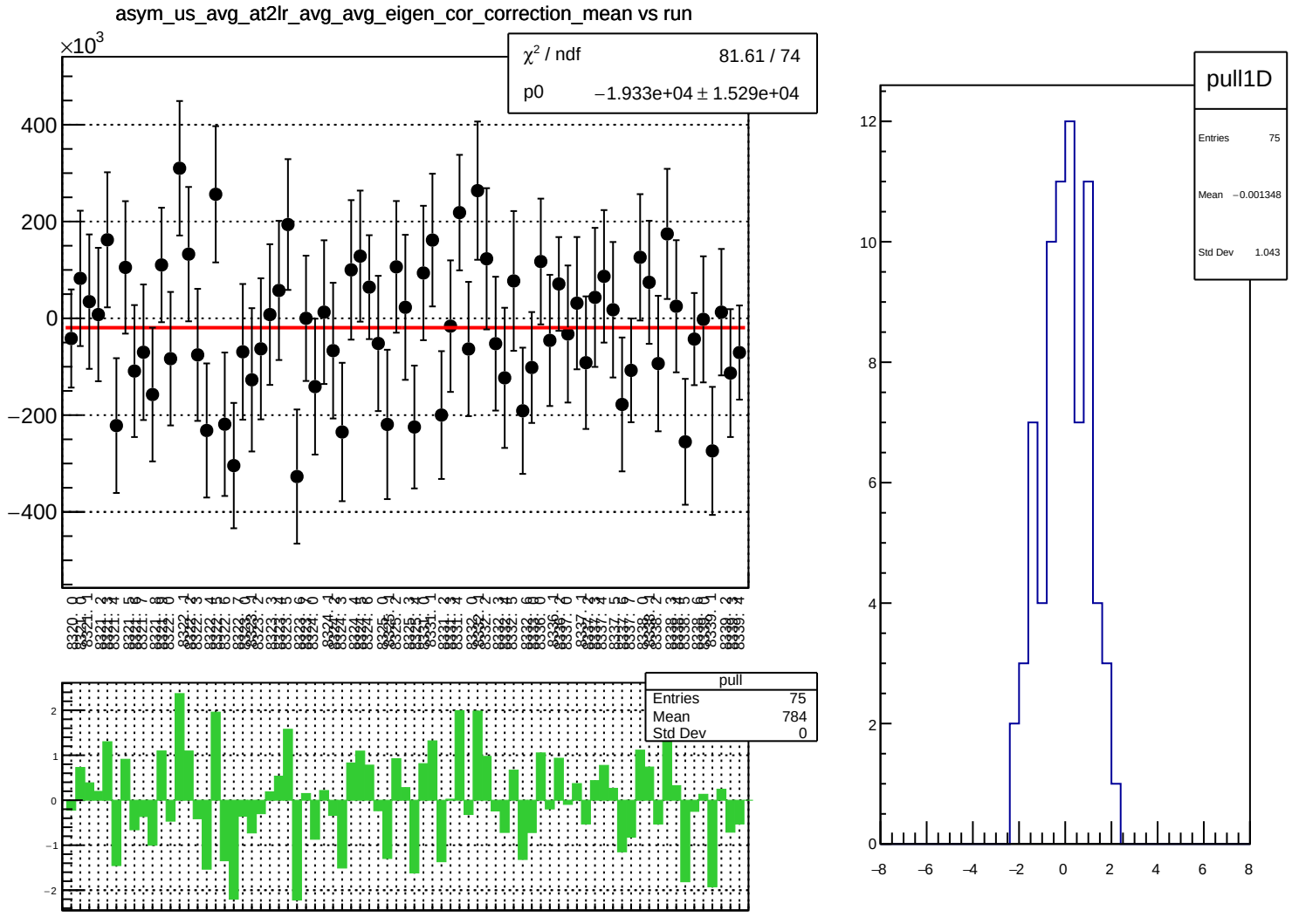

pull1D
Entries 75
Mean −0.001348
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

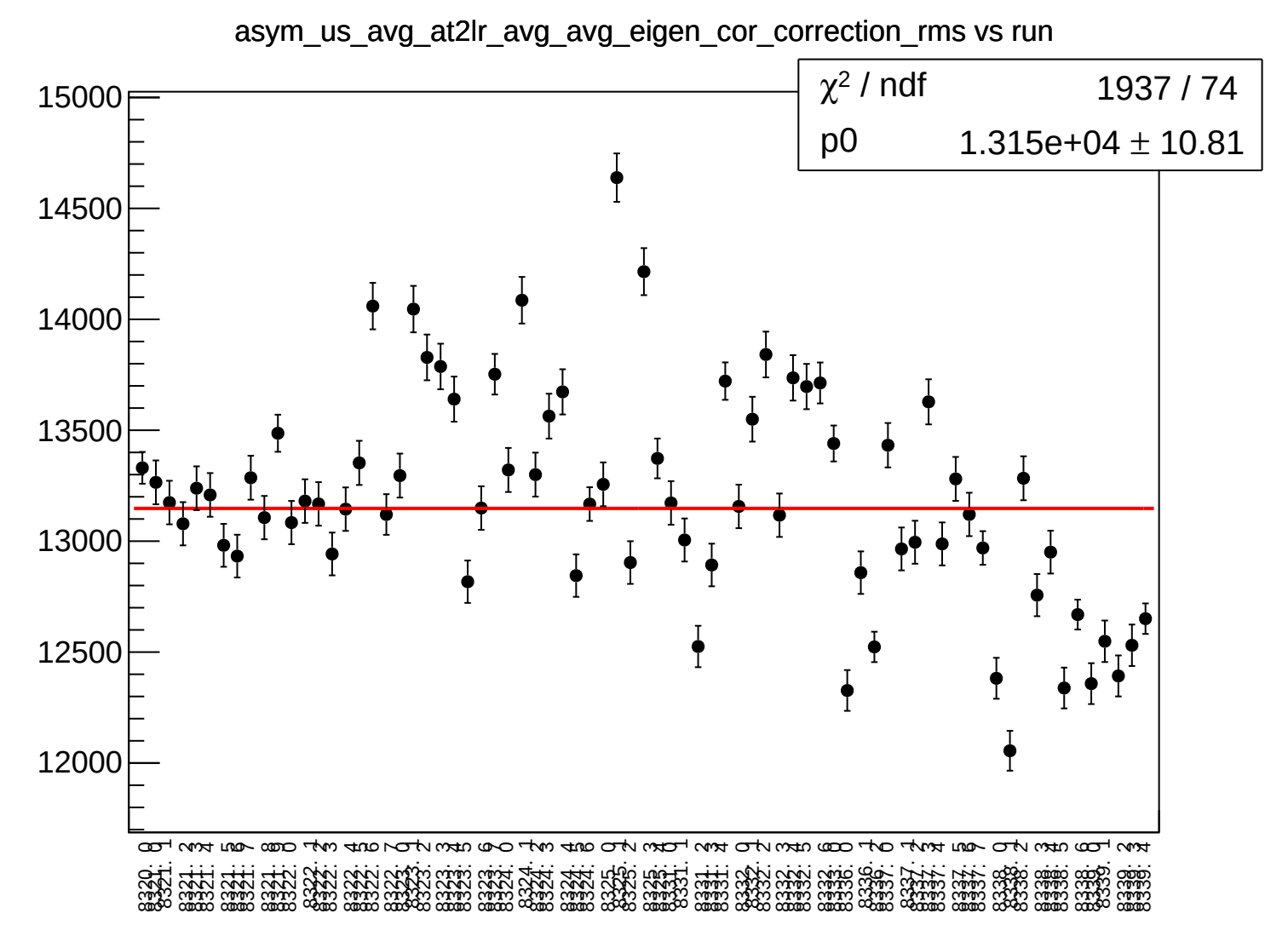

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1937 / 74
p0 1.315e+04 ± 10.81
15000
14500
14000
13500
13000
12500
12000

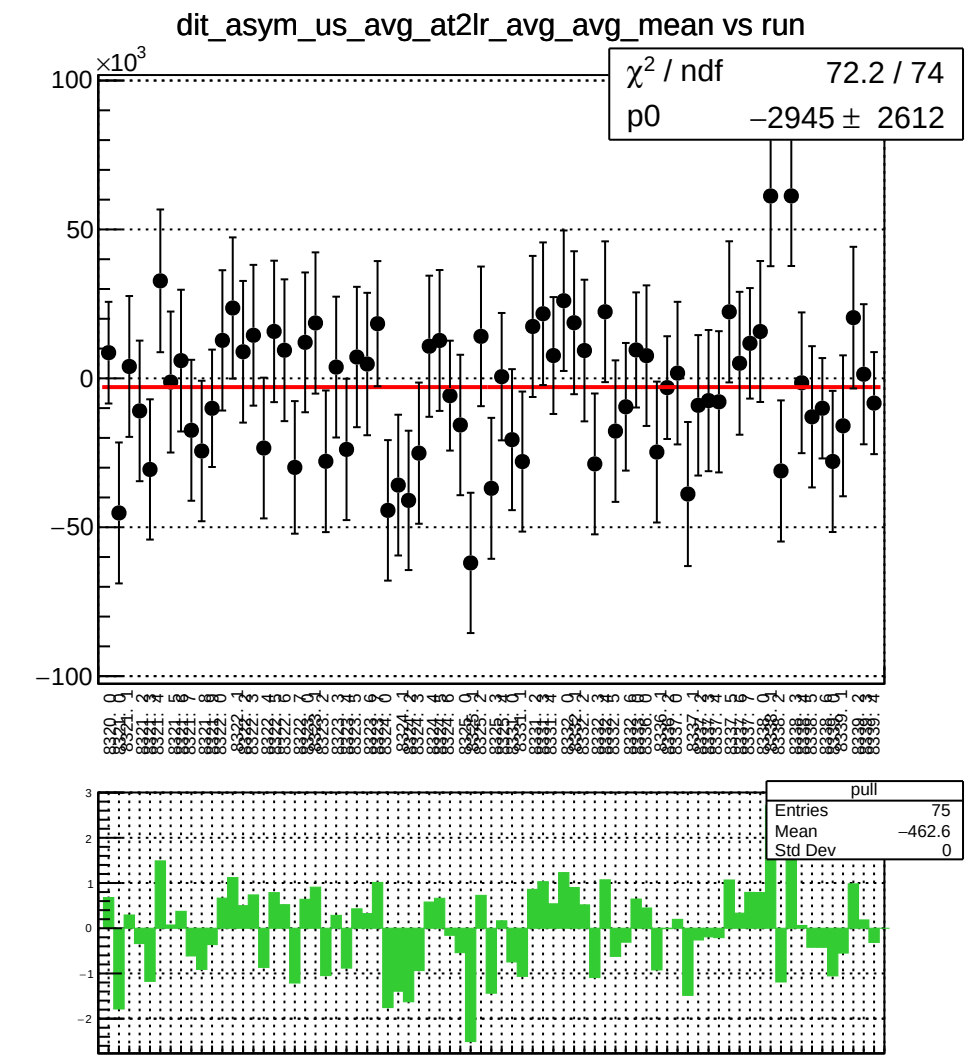

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.58 / 74
p0 −2864 ± 2591
pull
Entries 75
Mean −341.3
Std Dev 0

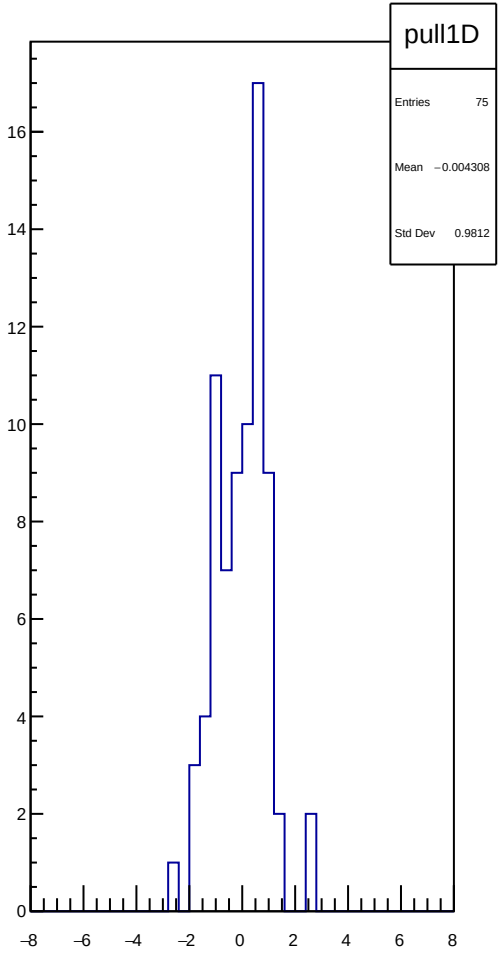

pull1D
Entries 75
Mean −0.005638
Std Dev 0.9837

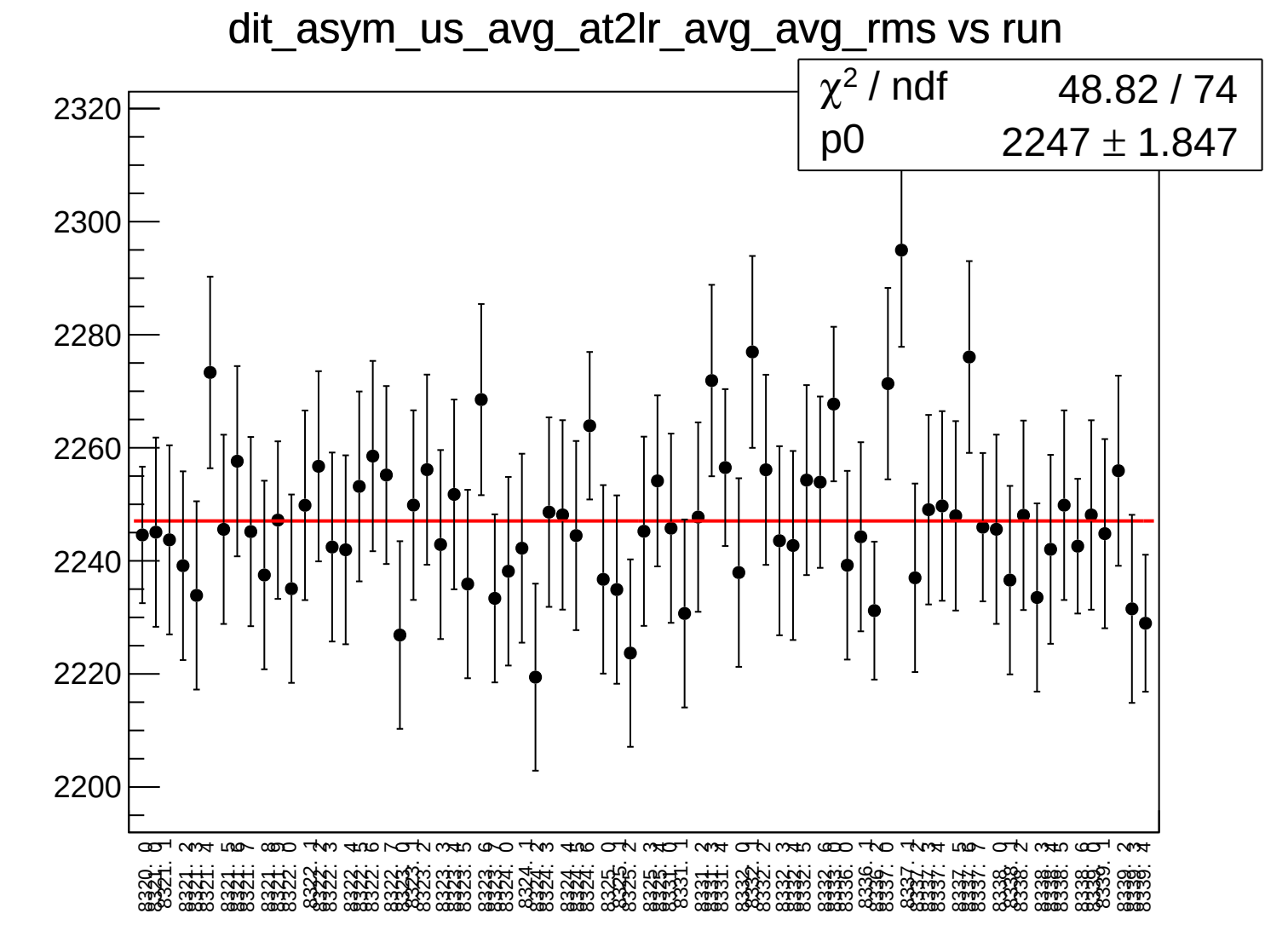

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 53.4 / 74
p0 2229 ± 1.832
2300
2280
2260
2240
2220
2200
2180

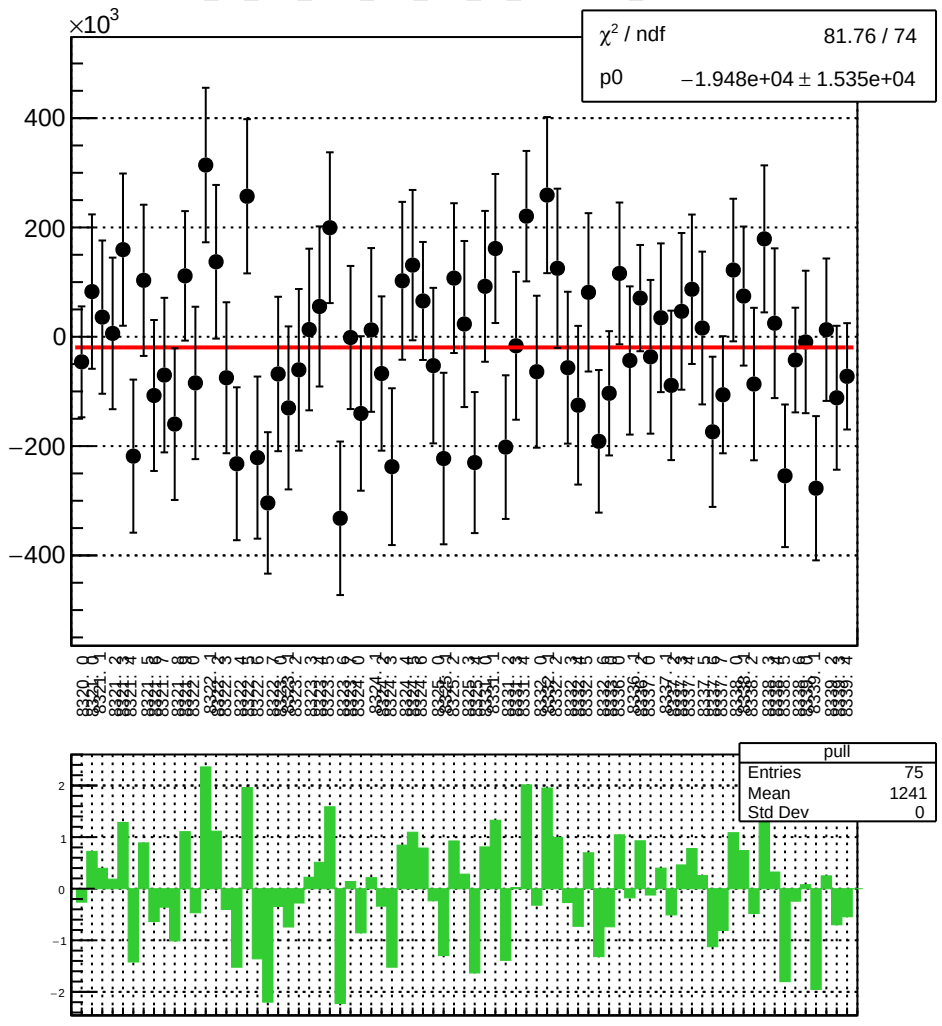

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.61 / 74
p0 −1.933e+04 ± 1.529e+04
400
200
0
−200
−400
pull
Entries 75
Mean 784
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.001348
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

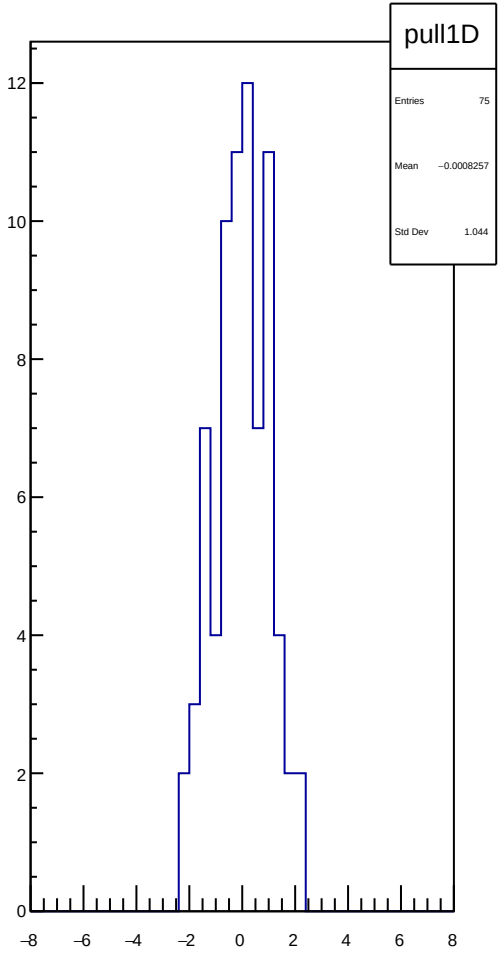

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1937 / 74
p0 1.315e+04 ± 10.81
15000
14500
14000
13500
13000
12500
12000

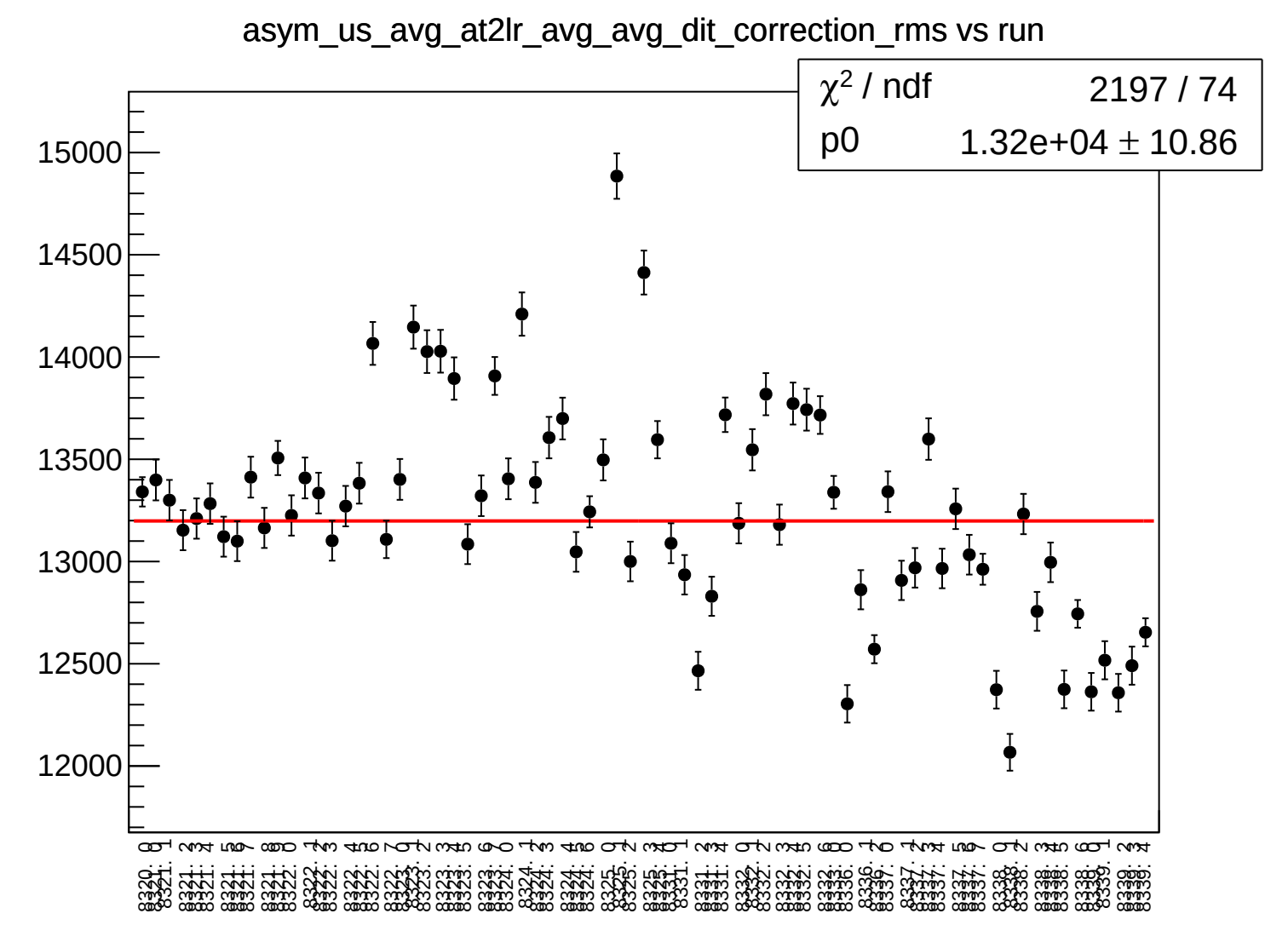

dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.2 / 74
p0 −2945 ± 2612
100
50
0
−50
−100
pull
Entries 75
Mean −462.6
Std Dev 0
3
2
1
0
−1
−2

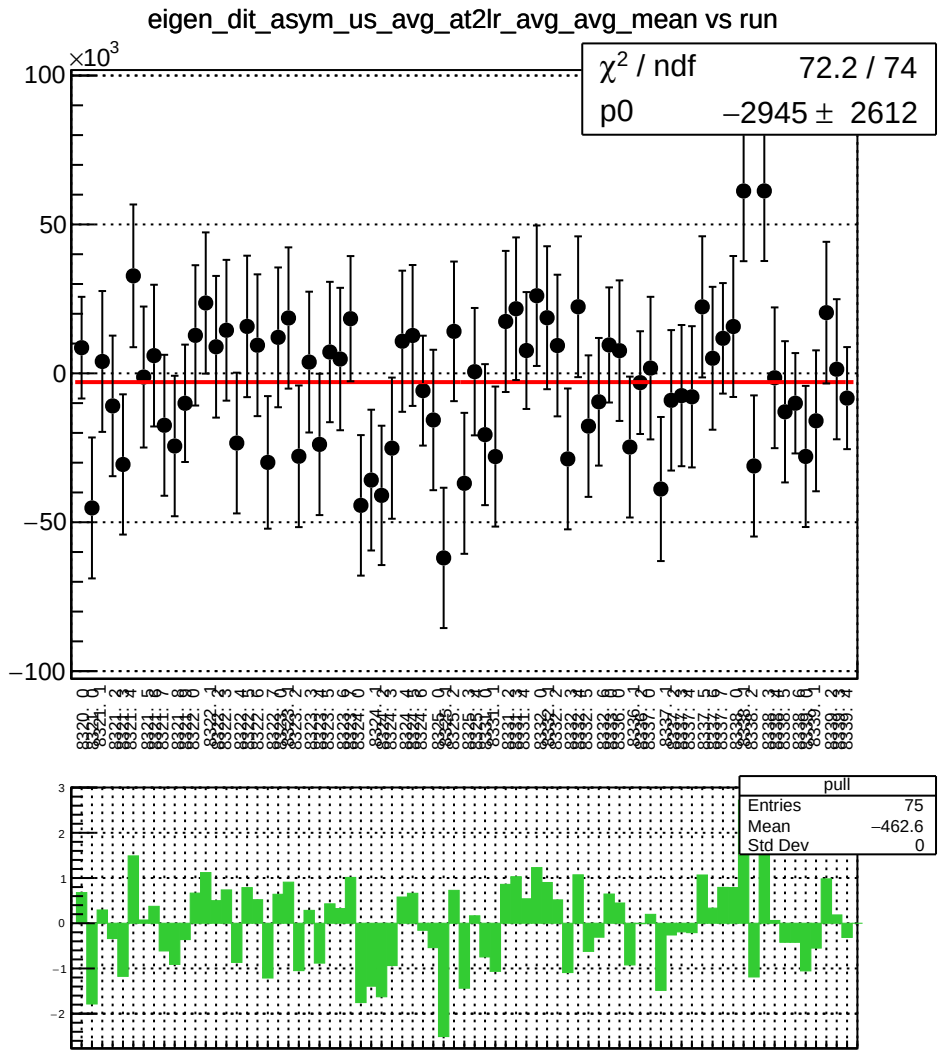

pull1D
Entries 75
Mean −0.004308
Std Dev 0.9812
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

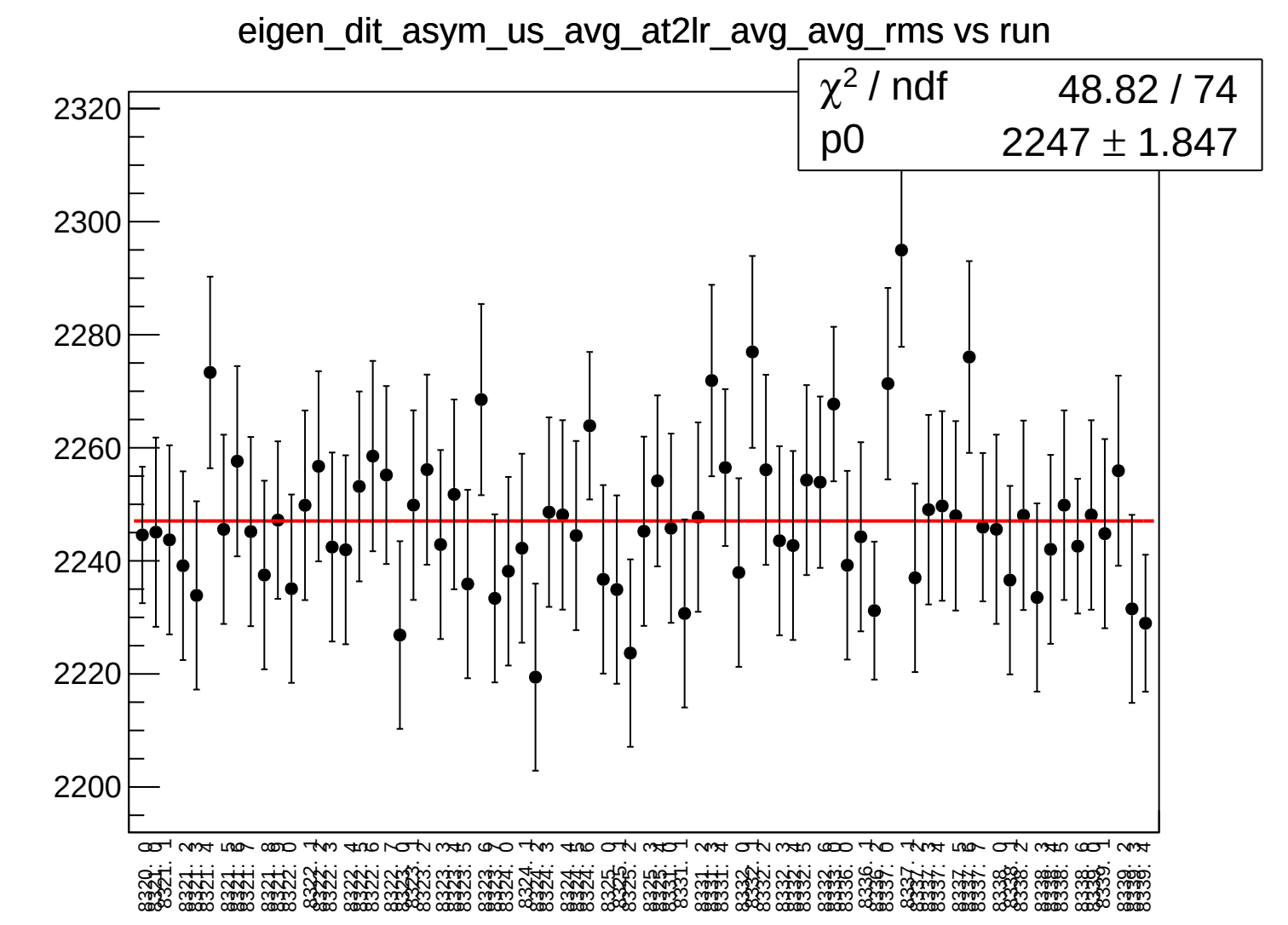

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 48.82 / 74
p0 2247 ± 1.847
2320
2300
2280
2260
2240
2220
2200

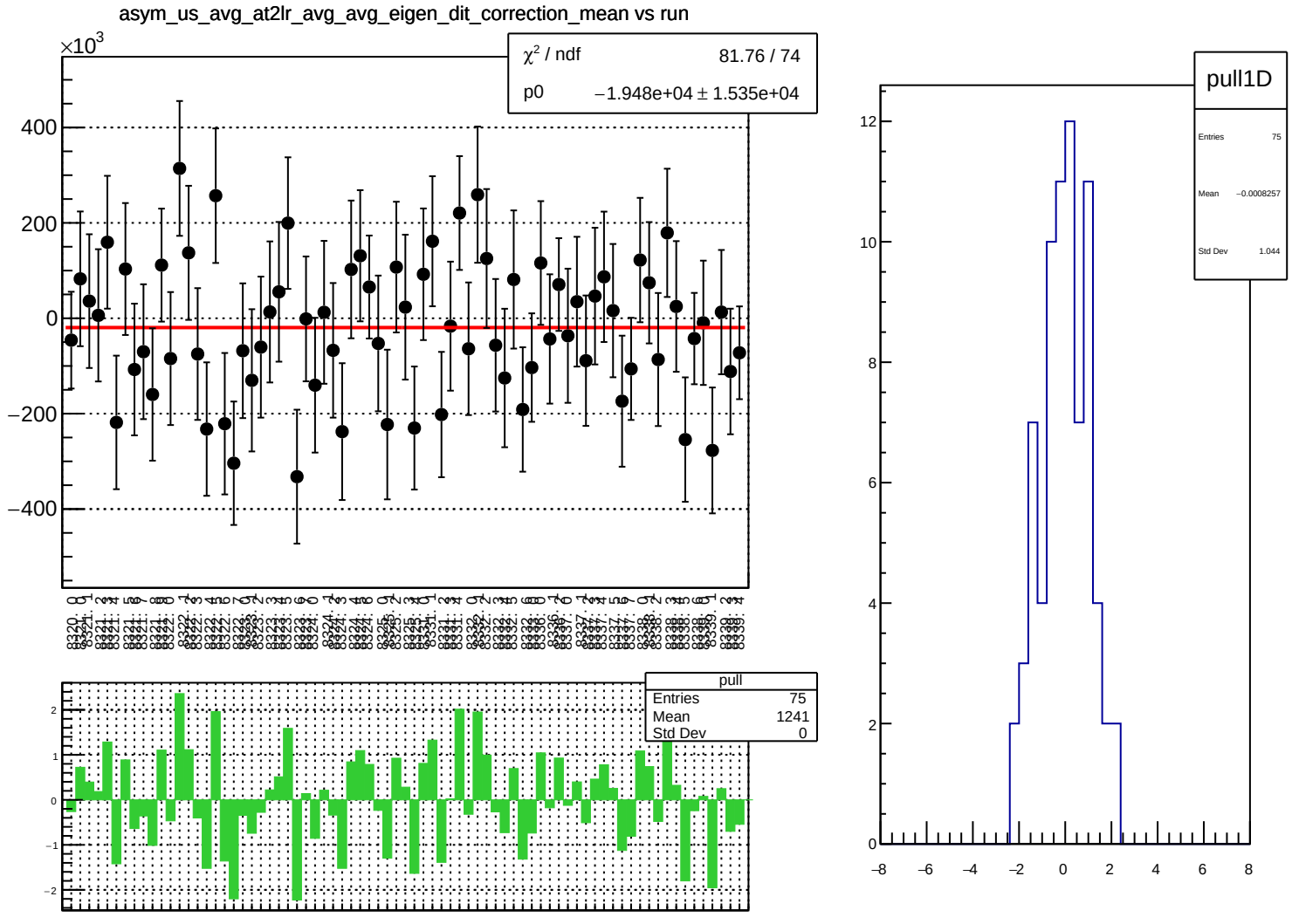

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.76 / 74
p0 −1.948e+04 ± 1.535e+04
400
200
0
−200
−400
pull
Entries 75
Mean 1241
Std Dev 0
2
1
0
−1
−2

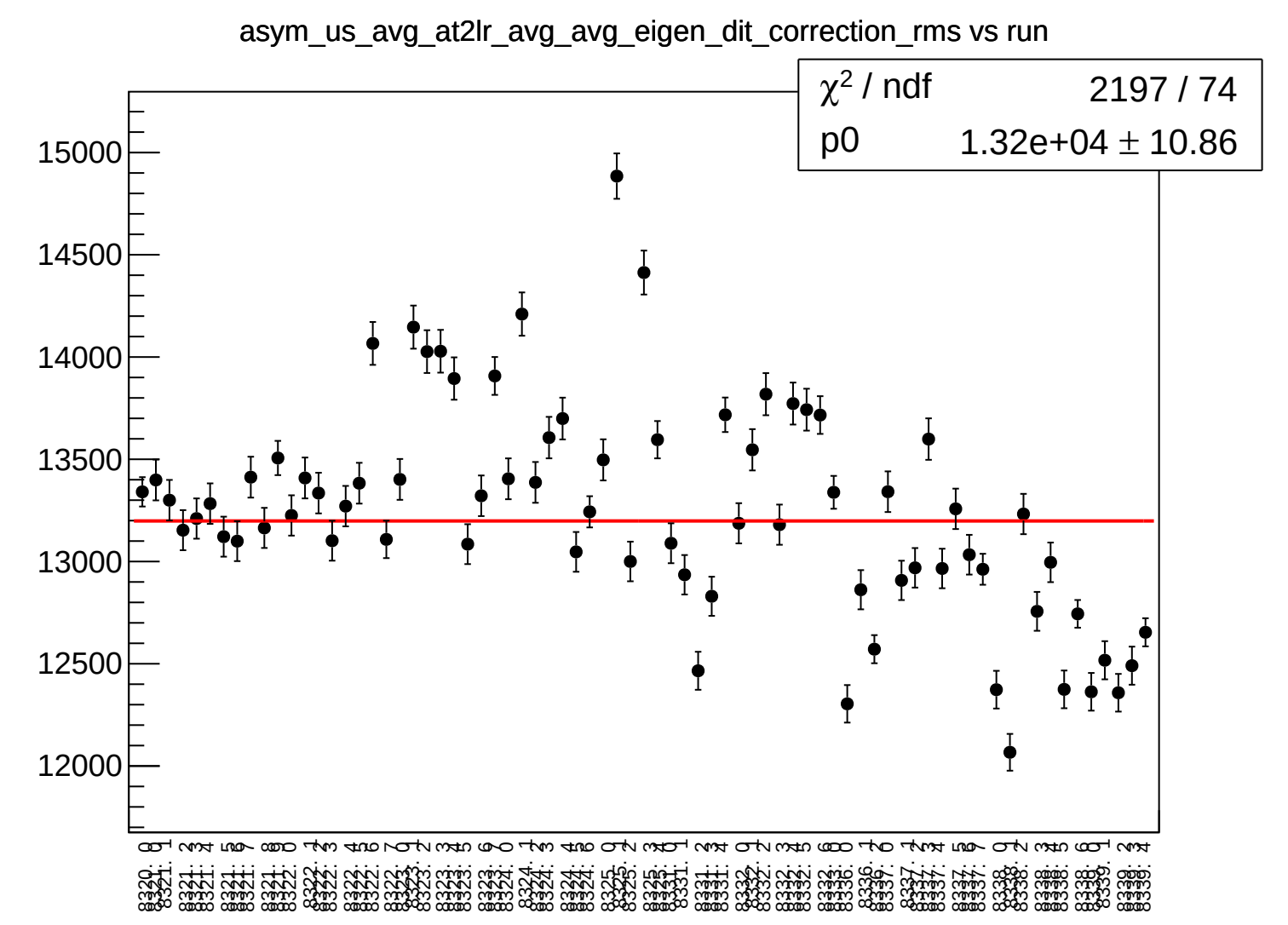

pull1D
Entries 75
Mean −0.0008257
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

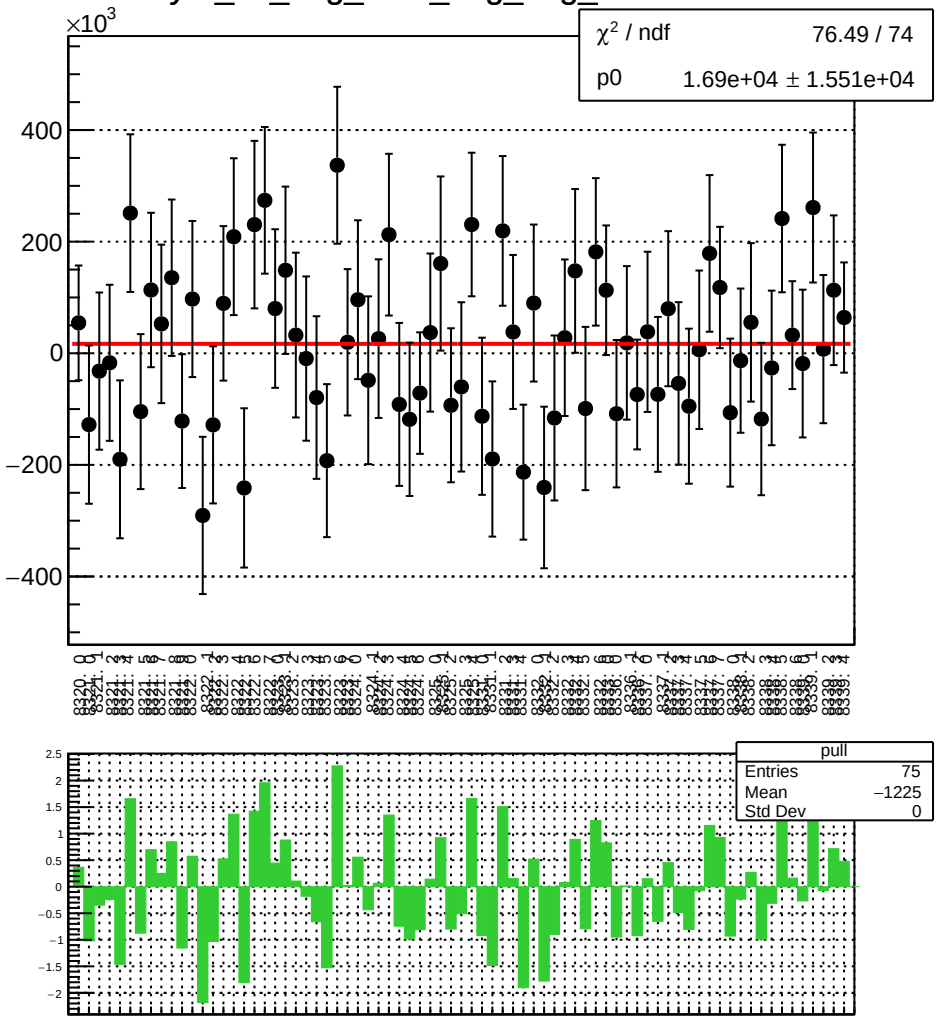

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 2197 / 74
p0 1.32e+04 ± 10.86
15000
14500
14000
13500
13000
12500
12000

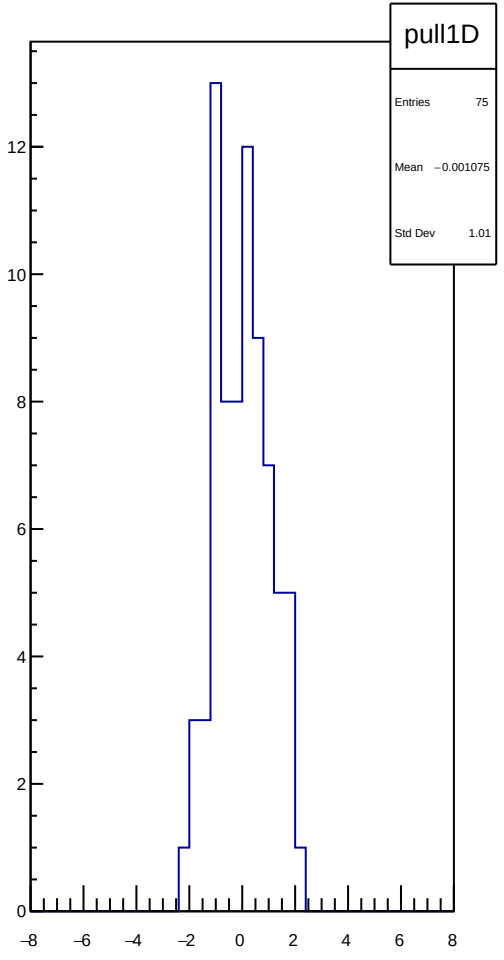

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 72.2 / 74
p0 −2945 ± 2612
pull
Entries 75
Mean −462.6
Std Dev 0
pull1D
Entries 75
Mean −0.004308
Std Dev 0.9812


eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 48.82 / 74
p0 2247 ± 1.847
2320
2300
2280
2260
2240
2220
2200

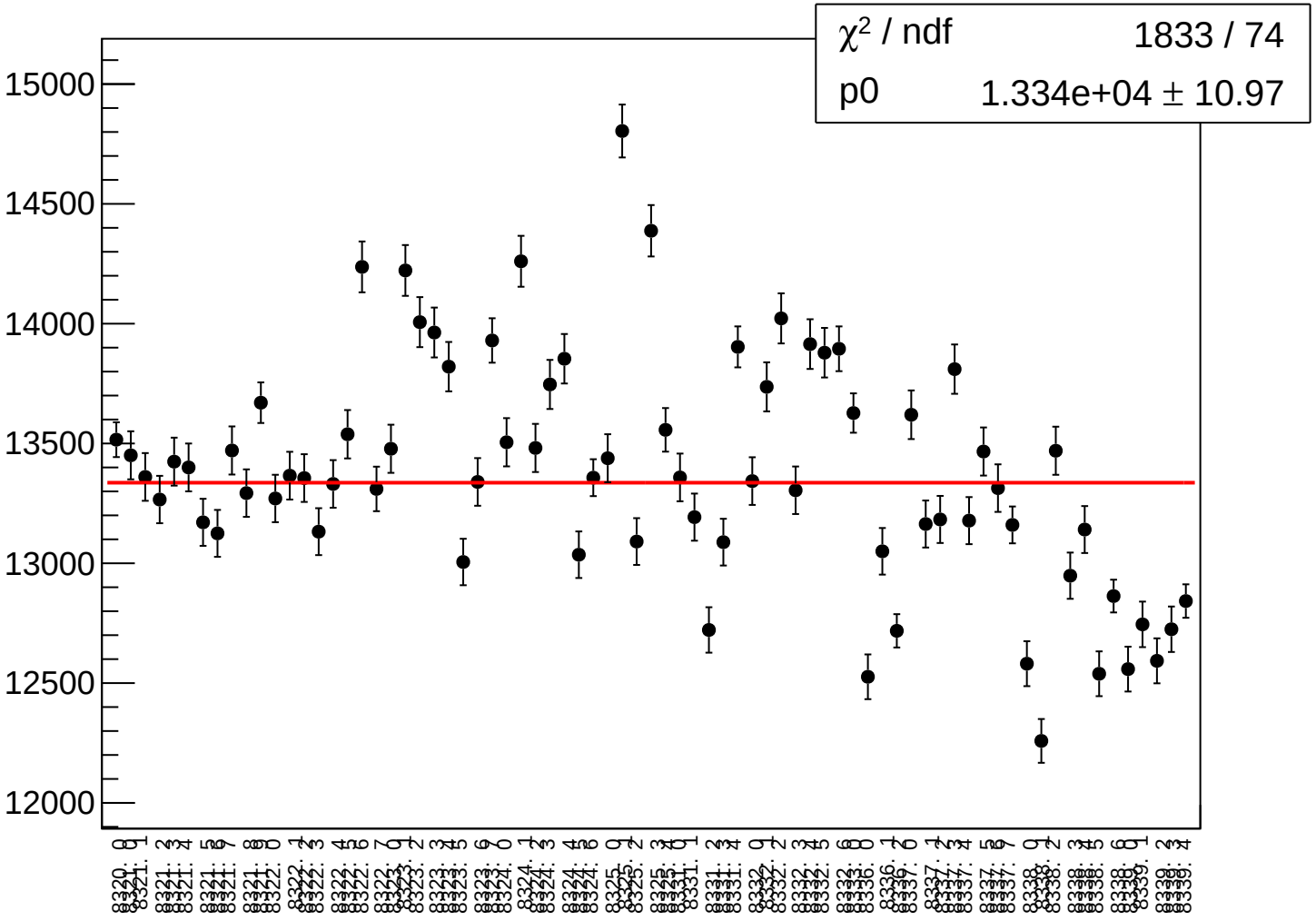

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
400
200
0
−200
−400
χ² / ndf 81.76 / 74
p0 −1.948e+04 ± 1.535e+04
pull
Entries 75
Mean 1241
Std Dev 0
pull1D
Entries 75
Mean −0.0008257
Std Dev 1.044

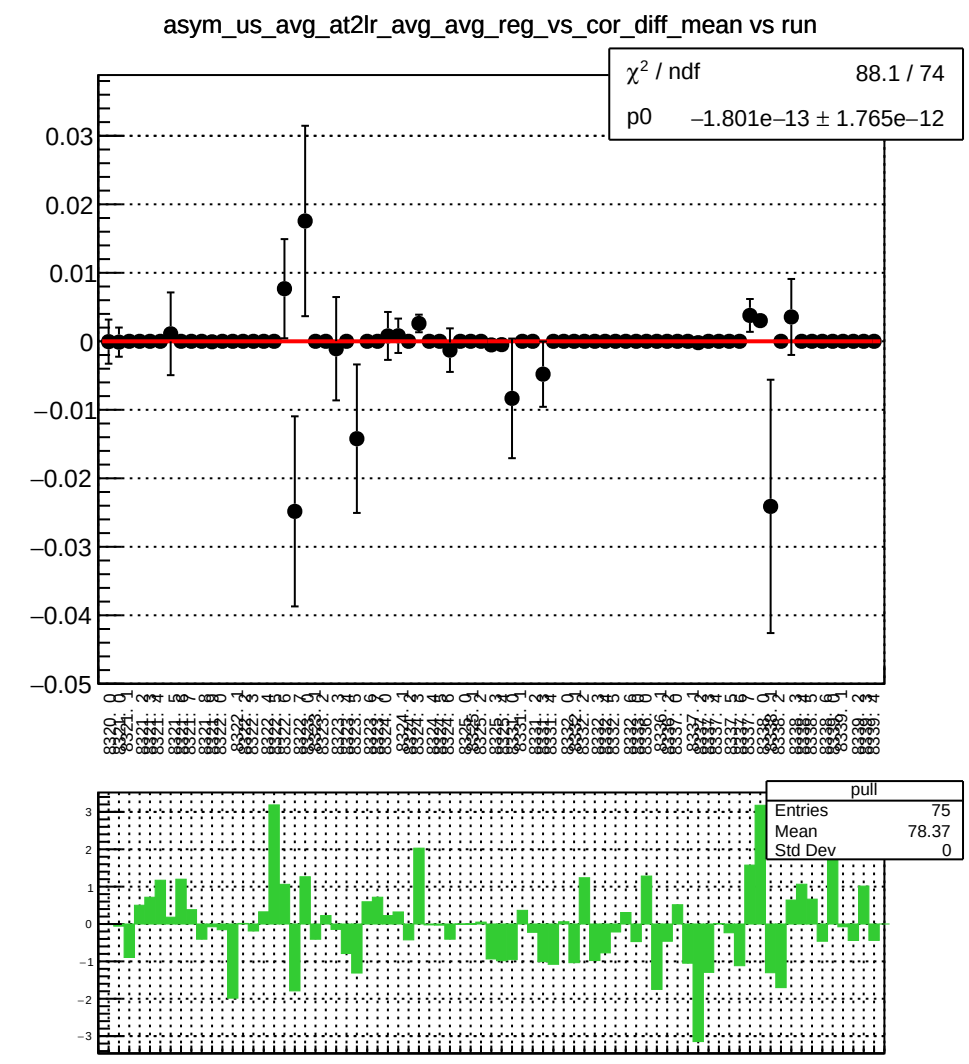

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2197 / 74
p0 1.32e+04 ± 10.86
15000
14500
14000
13500
13000
12500
12000

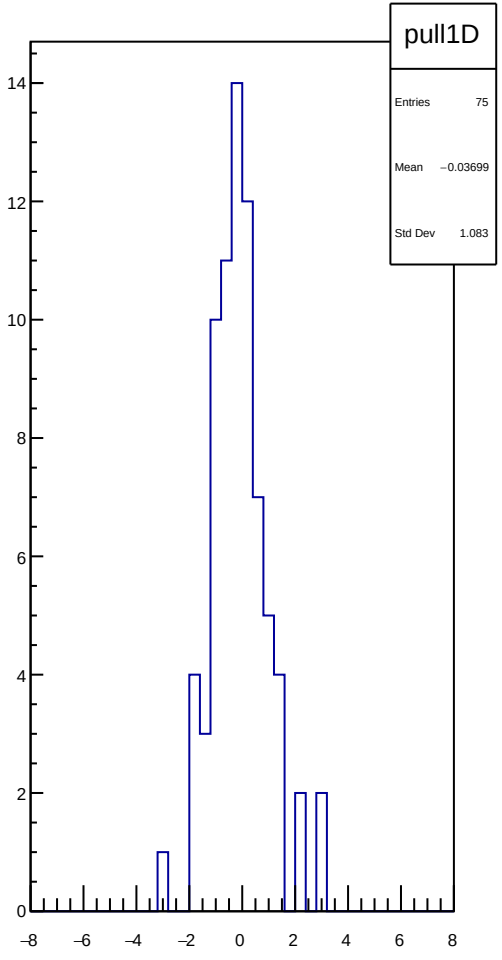

asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 76.49 / 74
p0 1.69e+04 ± 1.551e+04
400
200
0
−200
−400
pull
Entries 75
Mean −1225
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

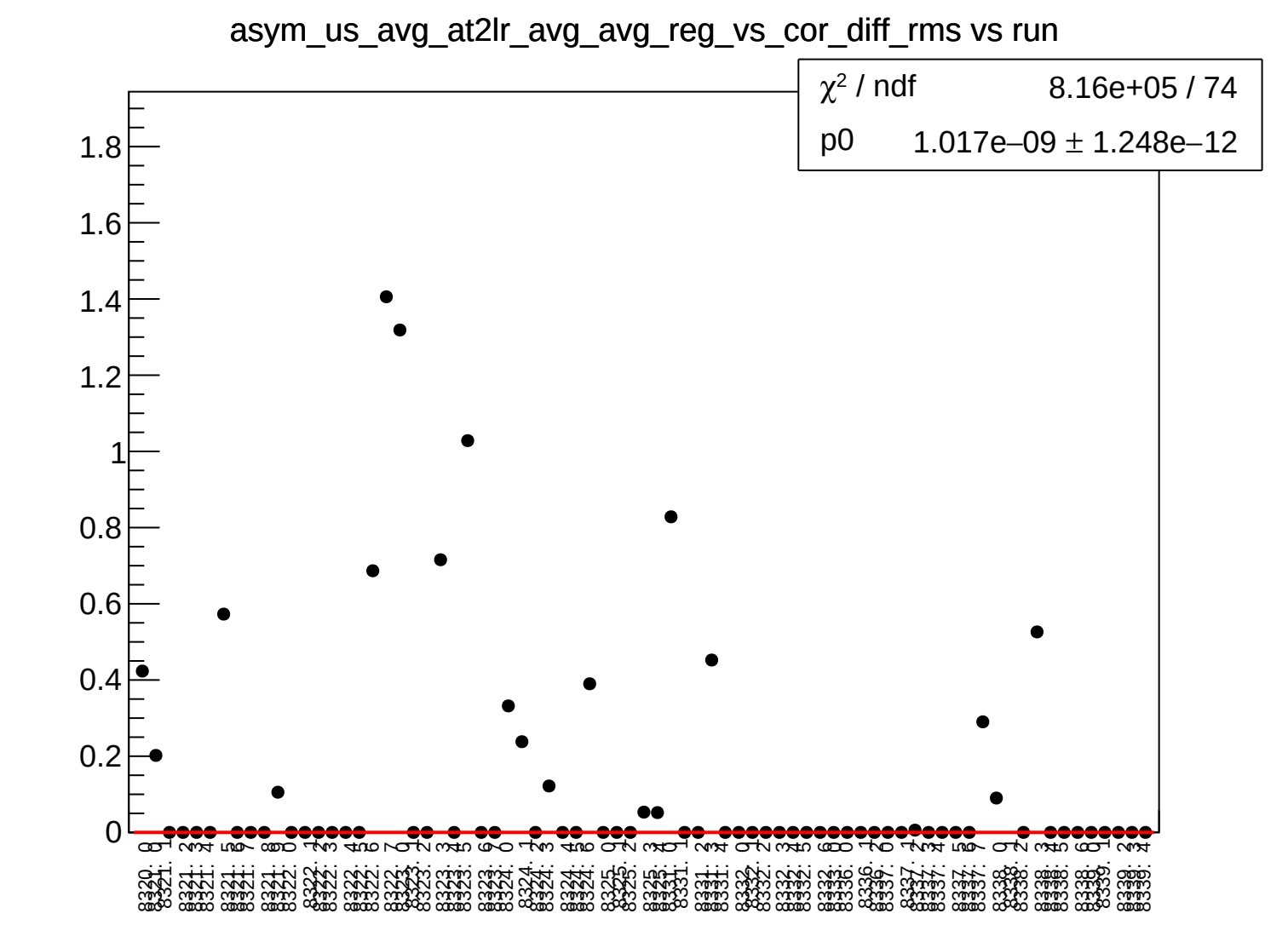

pull1D
Entries 75
Mean −0.001075
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

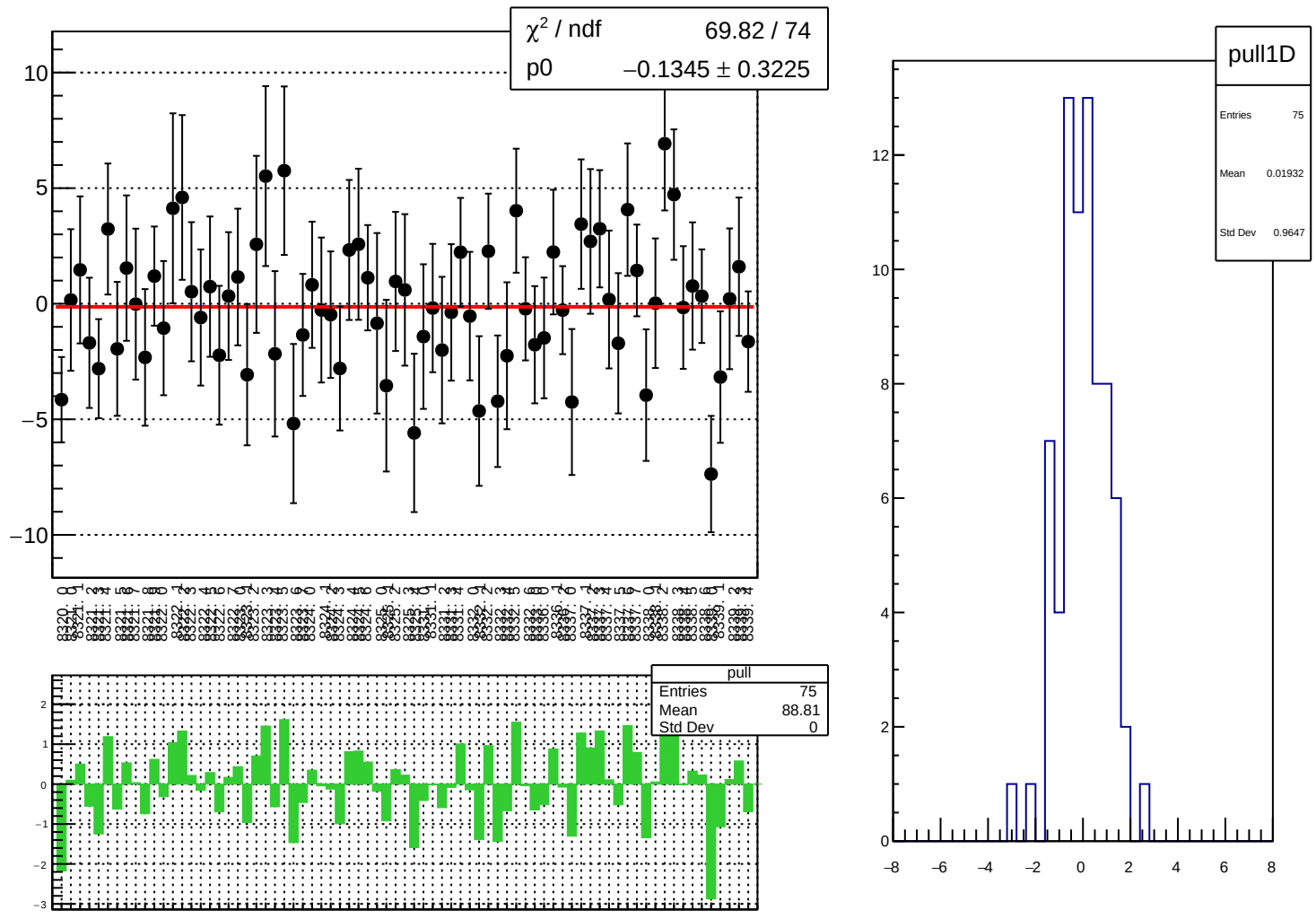
asym_us_avg_at2lr_avg_avg_rms vs run

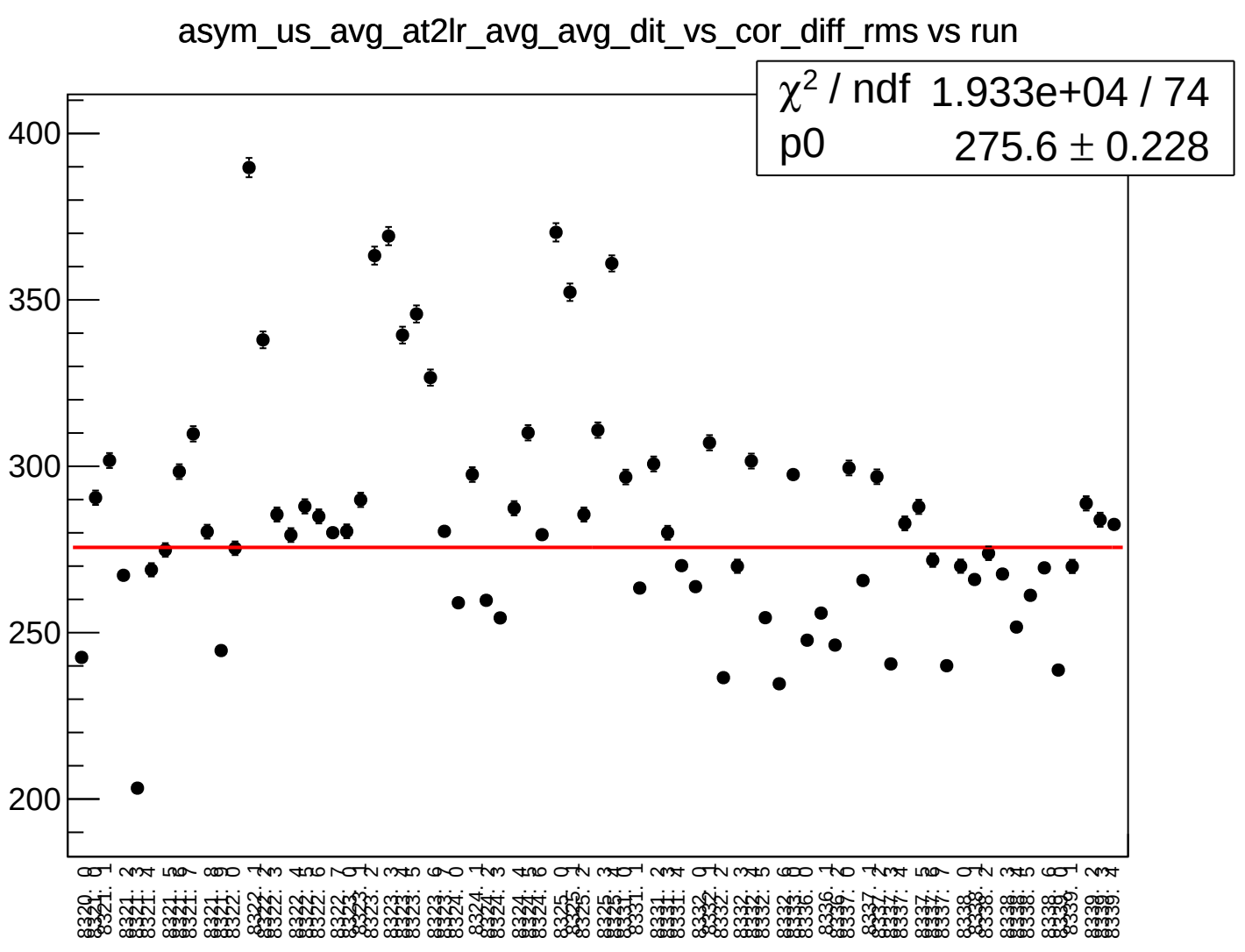


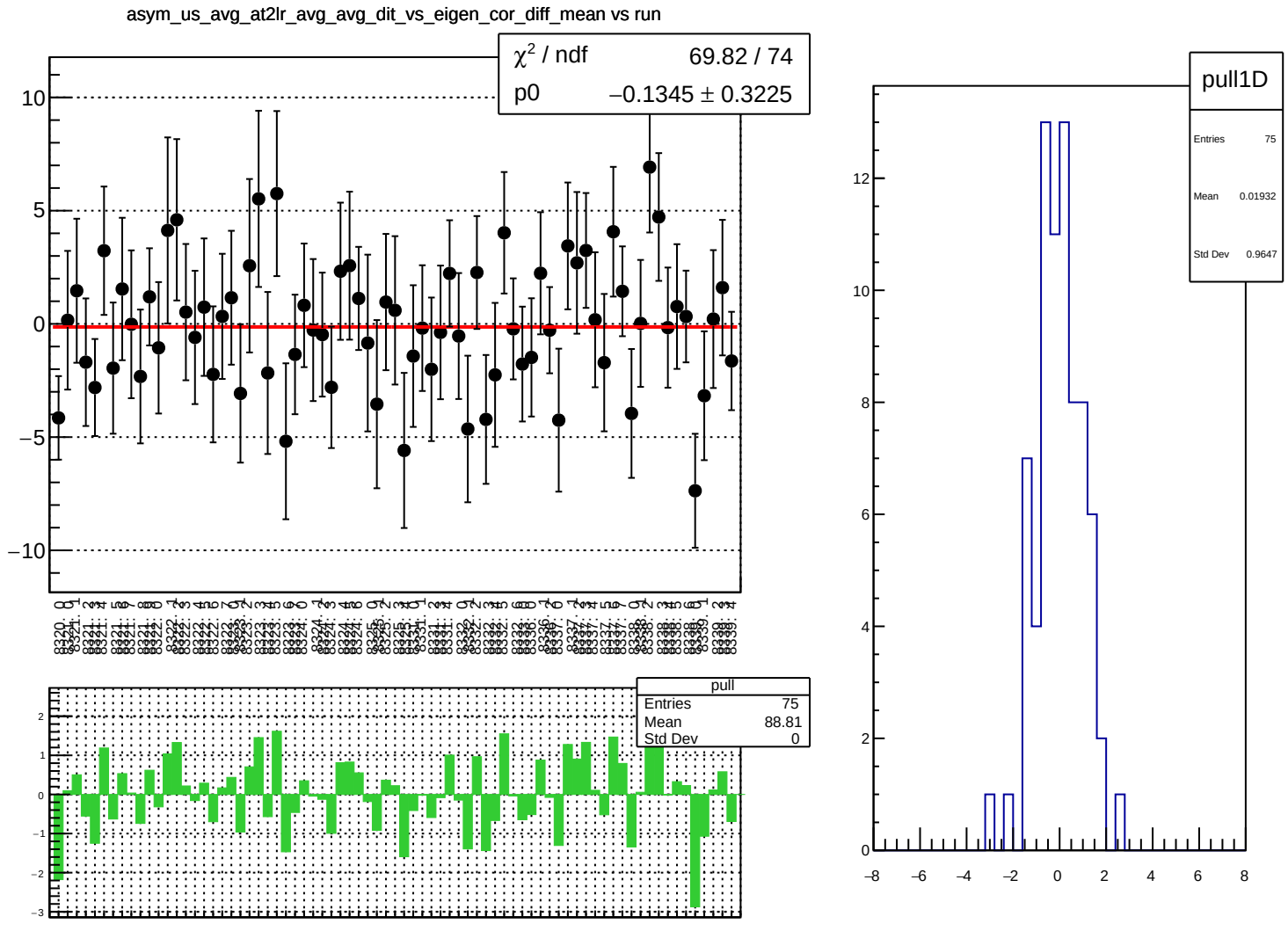

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.1 / 74
p0 −1.801e−13 ± 1.765e−12
pull
Entries 75
Mean 78.37
Std Dev 0

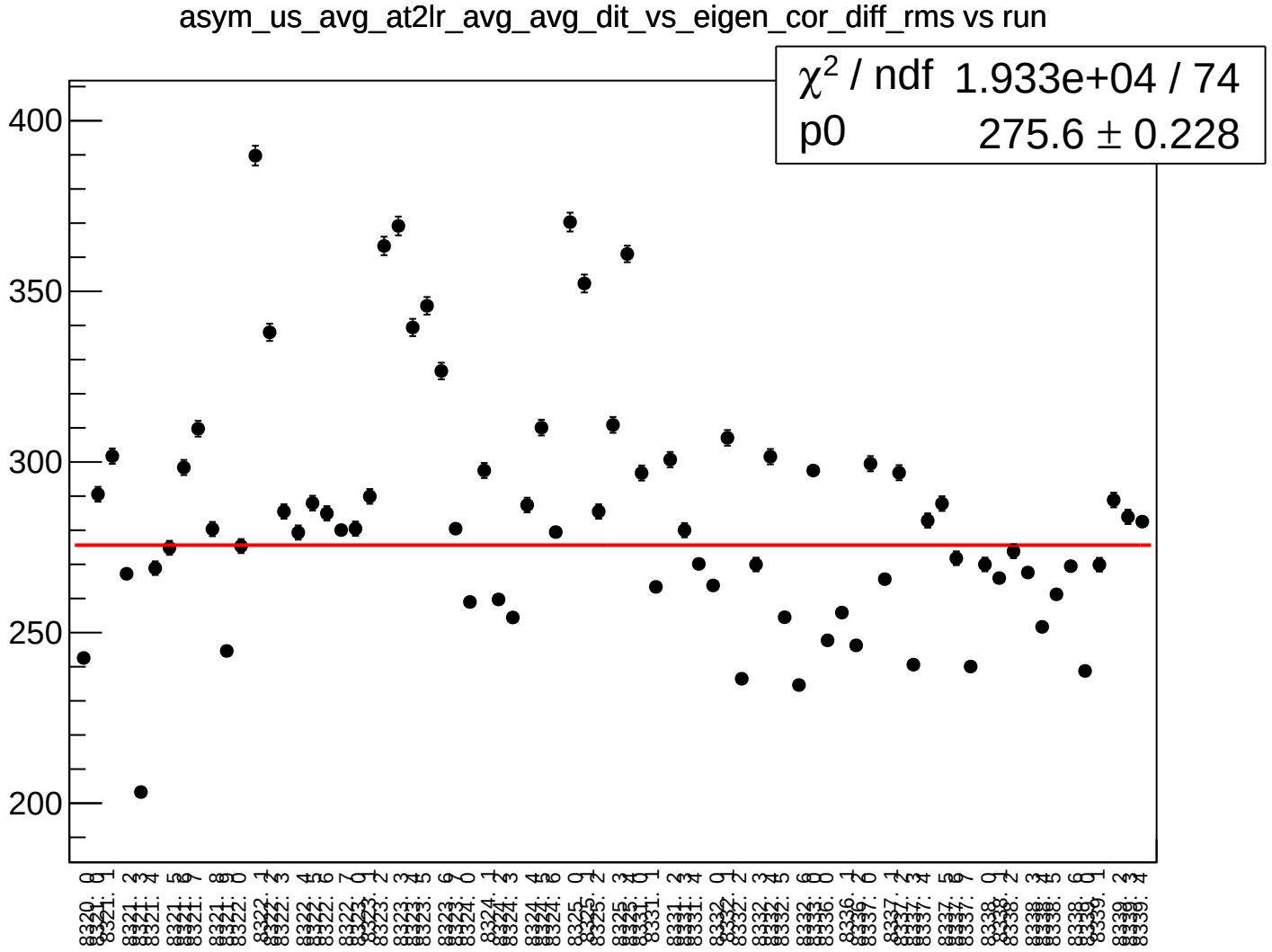

pull1D
Entries 75
Mean −0.03699
Std Dev 1.083

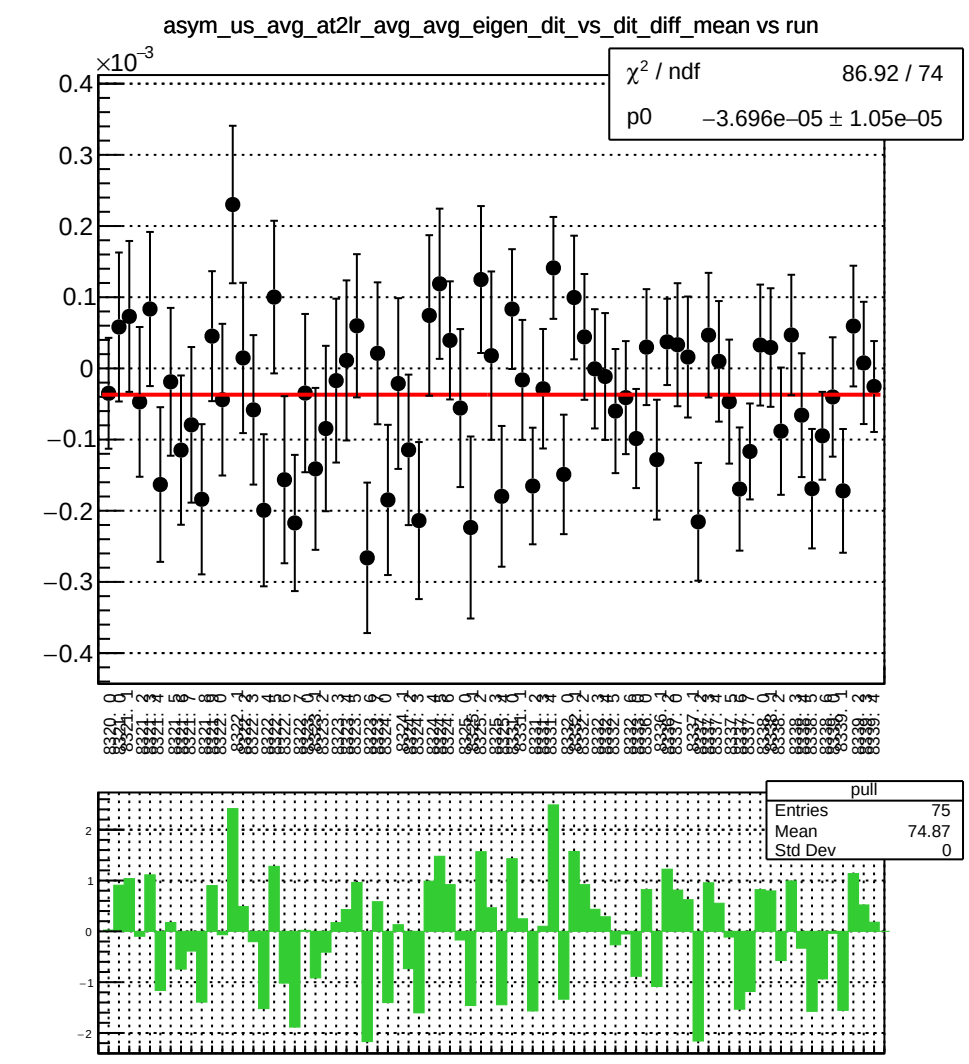

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.16e+05 / 74
p0 1.017e−09 ± 1.248e−12
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

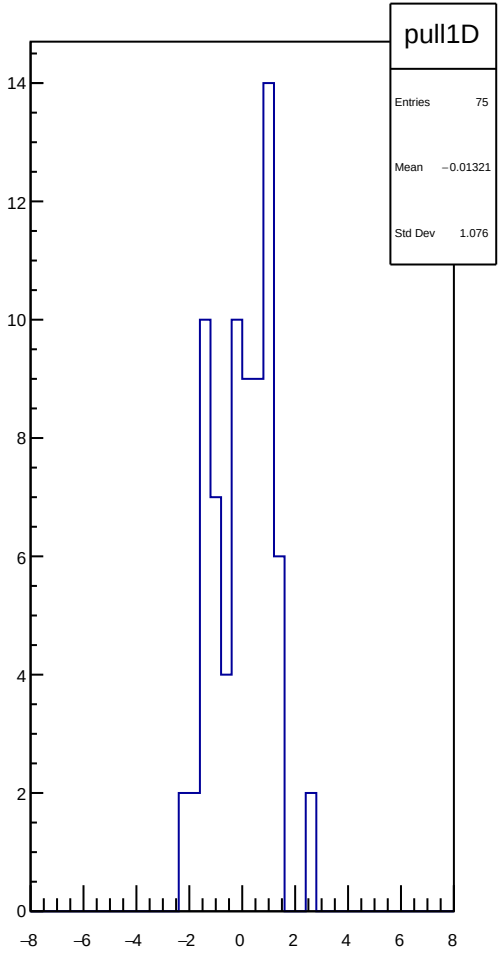

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.82 / 74
p0 −0.1345 ± 0.3225
pull
Entries 75
Mean 88.81
Std Dev 0
pull1D
Entries 75
Mean 0.01932
Std Dev 0.9647

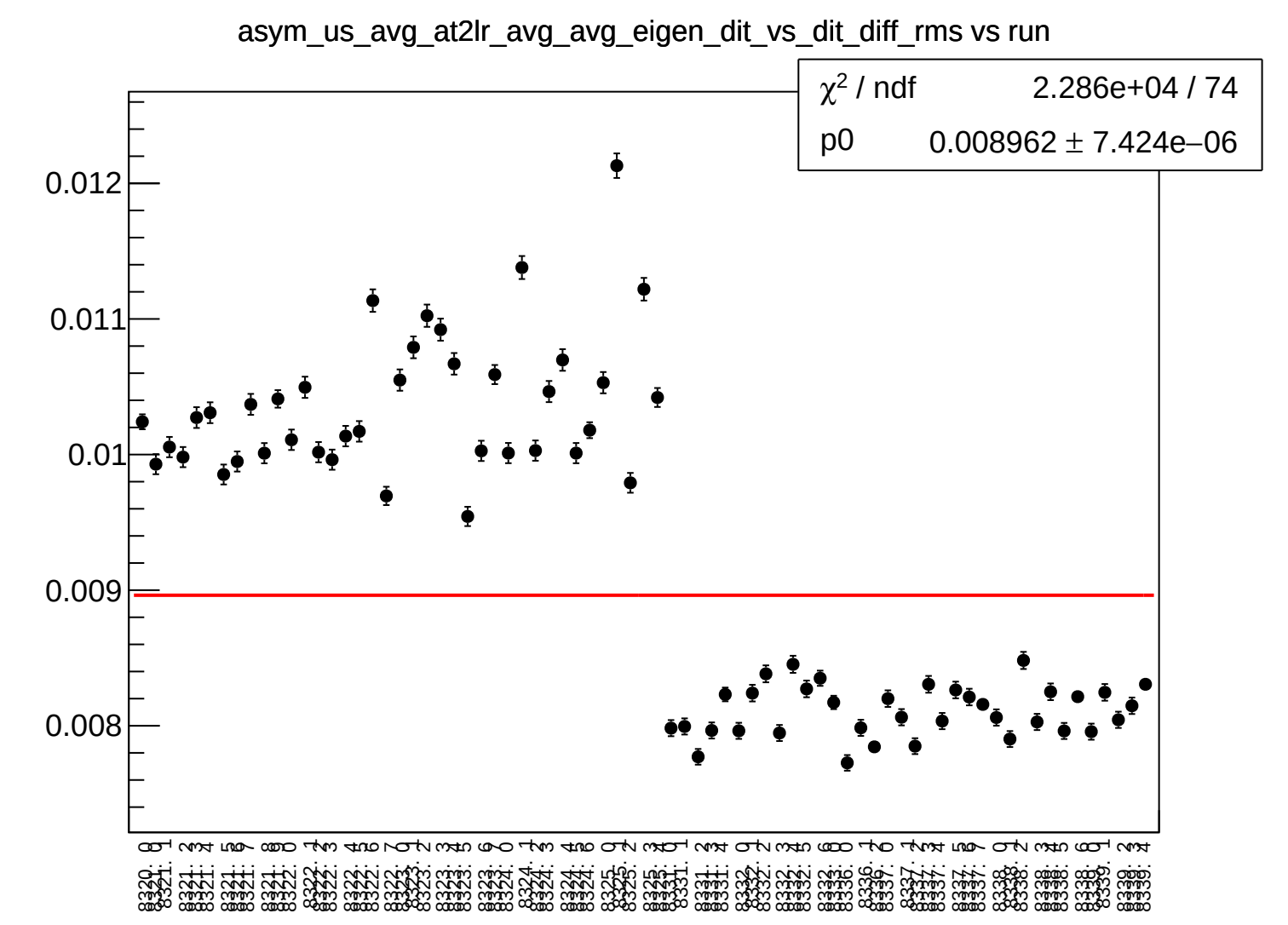

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.933e+04 / 74
p0 275.6 ± 0.228
400
350
300
250
200

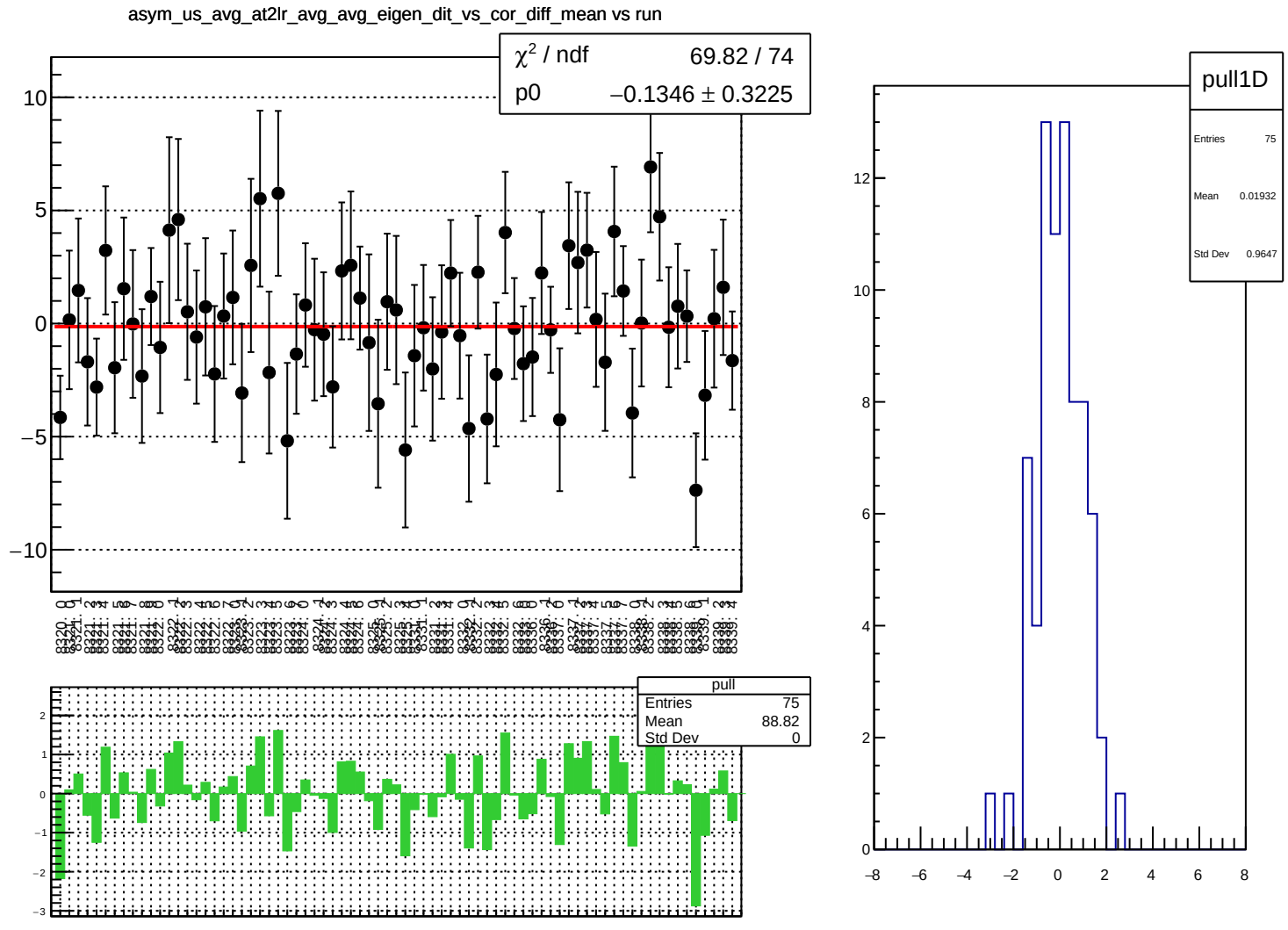

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.82 / 74
p0 −0.1345 ± 0.3225
pull
Entries 75
Mean 88.81
Std Dev 0
pull1D
Entries 75
Mean 0.01932
Std Dev 0.9647

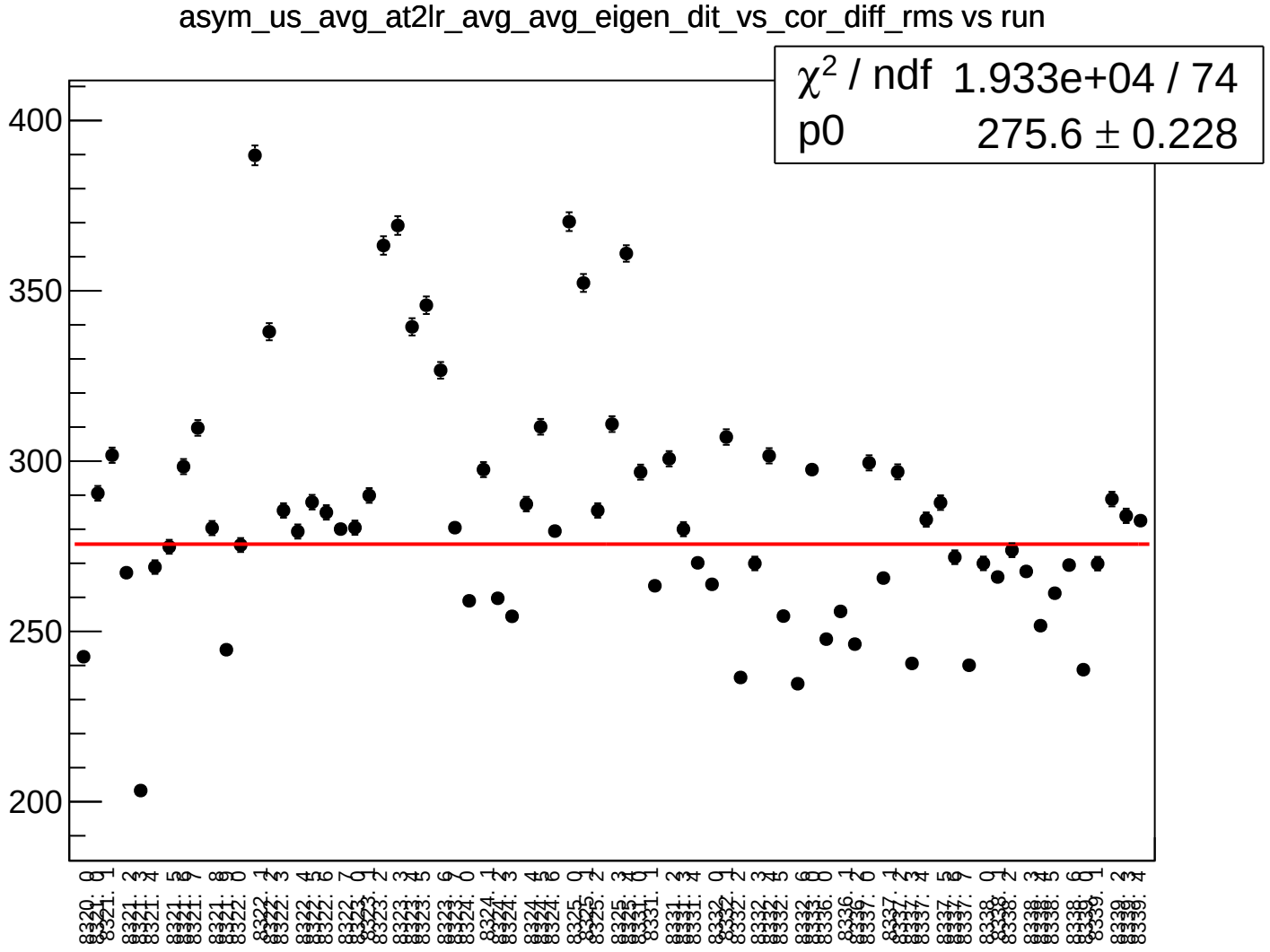

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.933e+04 / 74
p0 275.6 ± 0.228
400
350
300
250
200

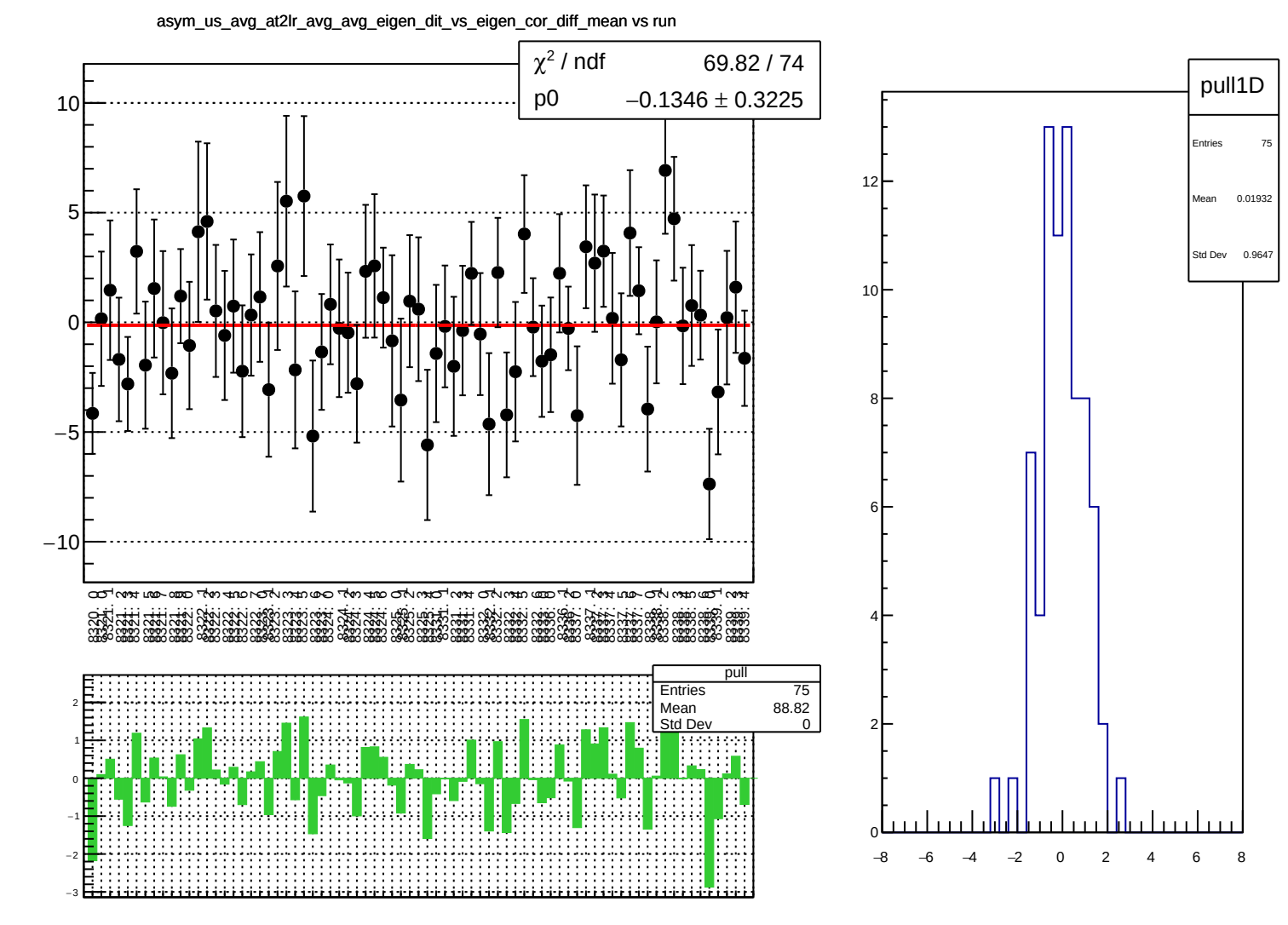

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.92 / 74
p0 −3.696e−05 ± 1.05e−05
pull
Entries 75
Mean 74.87
Std Dev 0

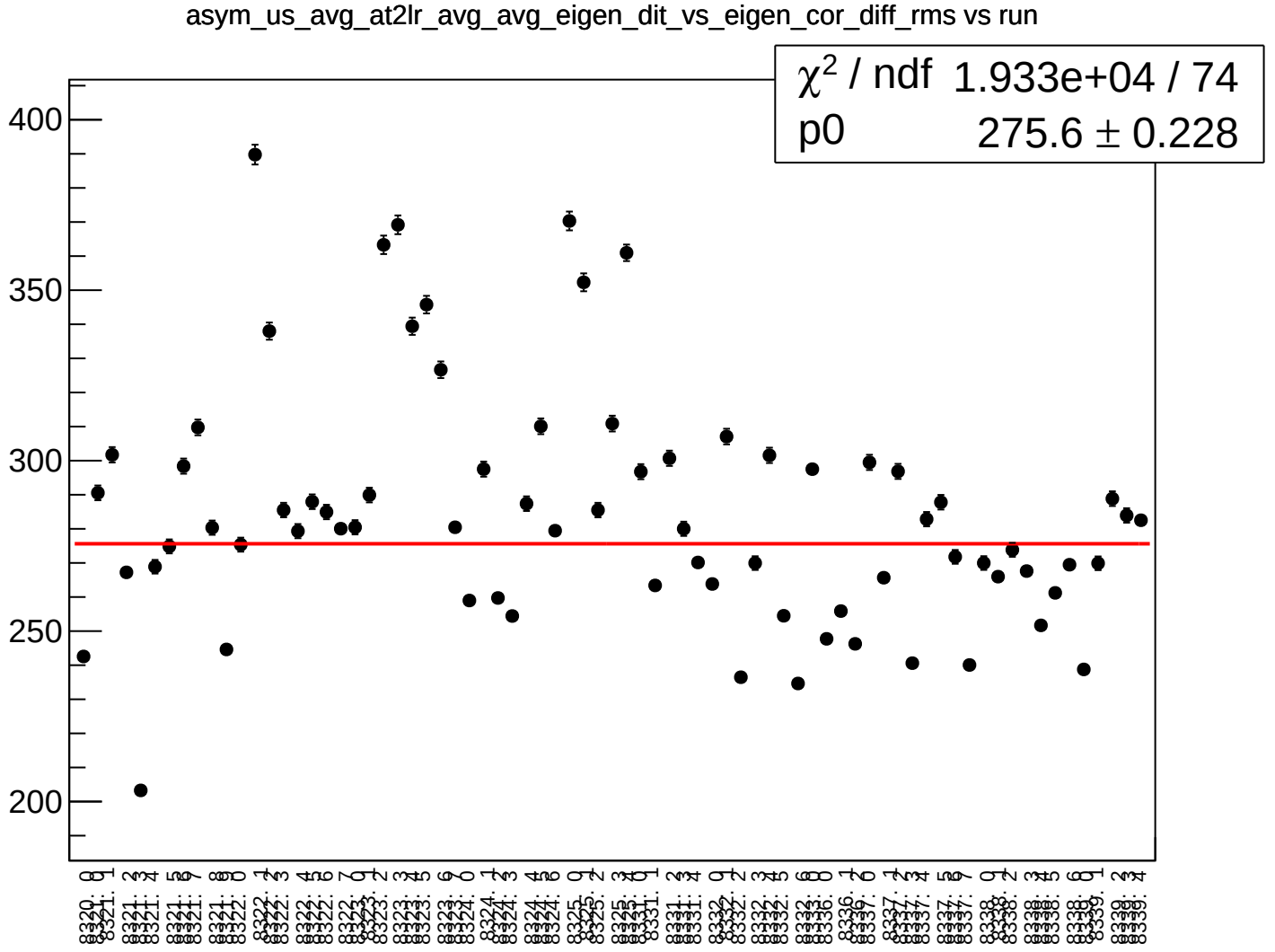

pull1D
Entries 75
Mean −0.01321
Std Dev 1.076

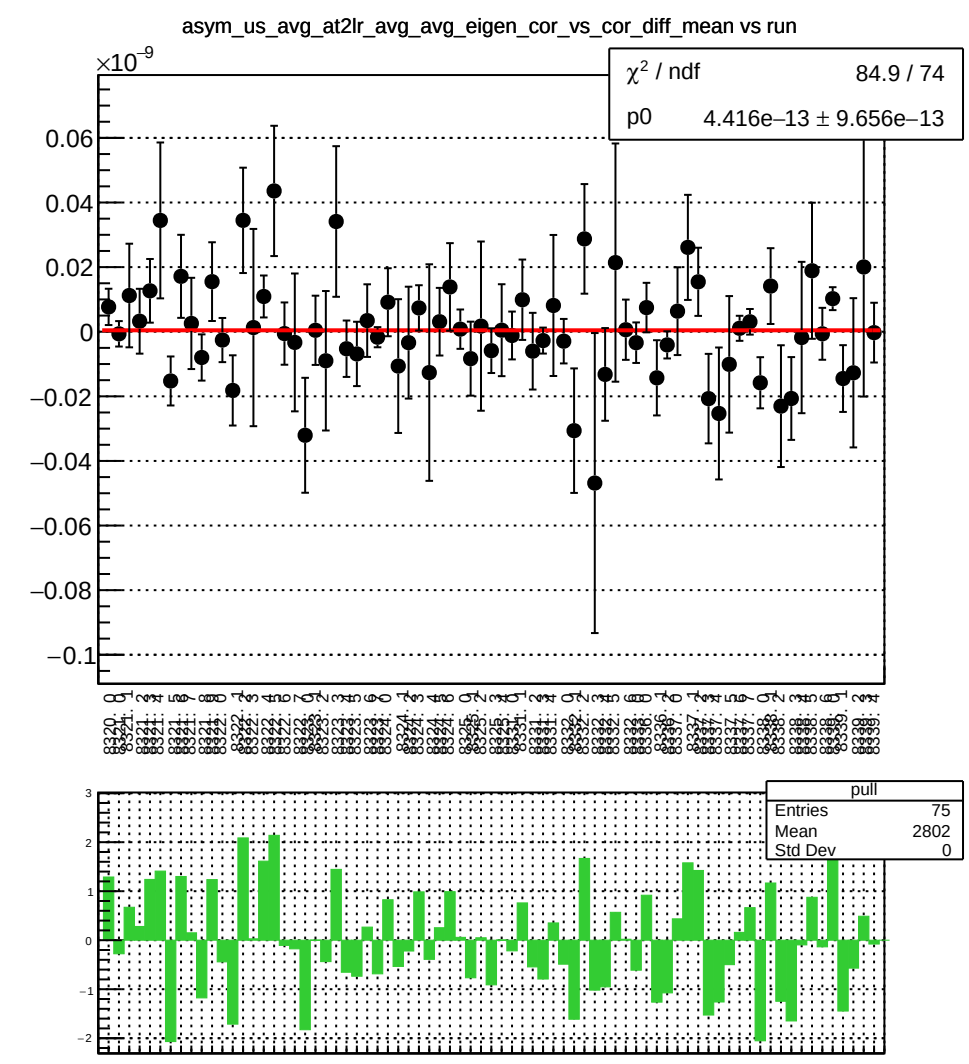

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.286e+04 / 74
p0 0.008962 ± 7.424e−06
0.012
0.011
0.01
0.009
0.008

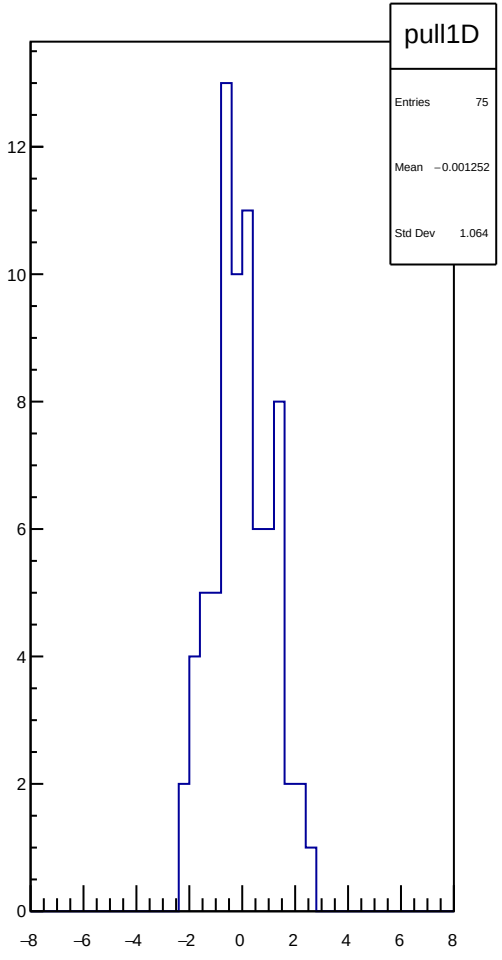

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.82 / 74
p0 −0.1346 ± 0.3225
pull
Entries 75
Mean 88.82
Std Dev 0
pull1D
Entries 75
Mean 0.01932
Std Dev 0.9647

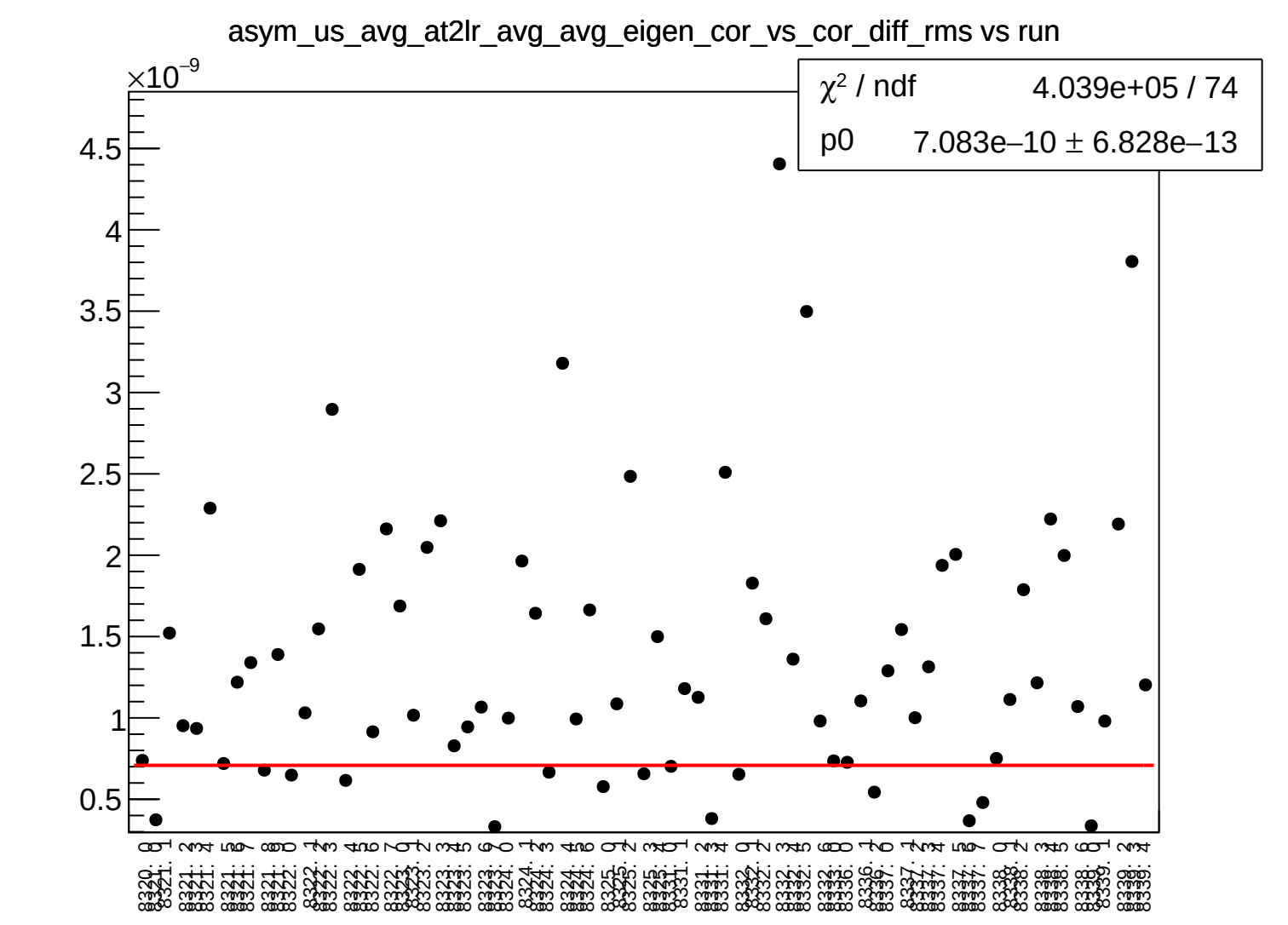

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.933e+04 / 74
p0 275.6 ± 0.228
400
350
300
250
200

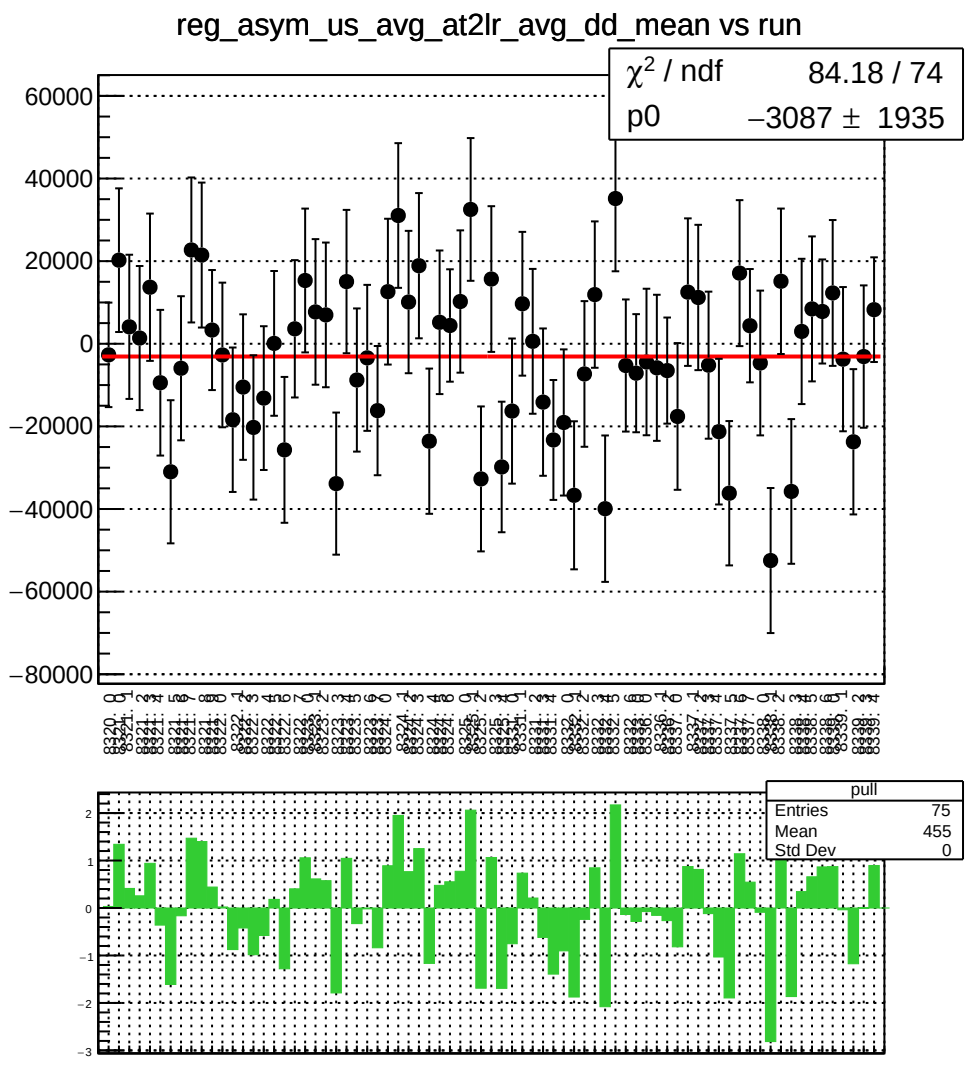

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.82 / 74
p0 −0.1346 ± 0.3225
pull
Entries 75
Mean 88.82
Std Dev 0
pull1D
Entries 75
Mean 0.01932
Std Dev 0.9647

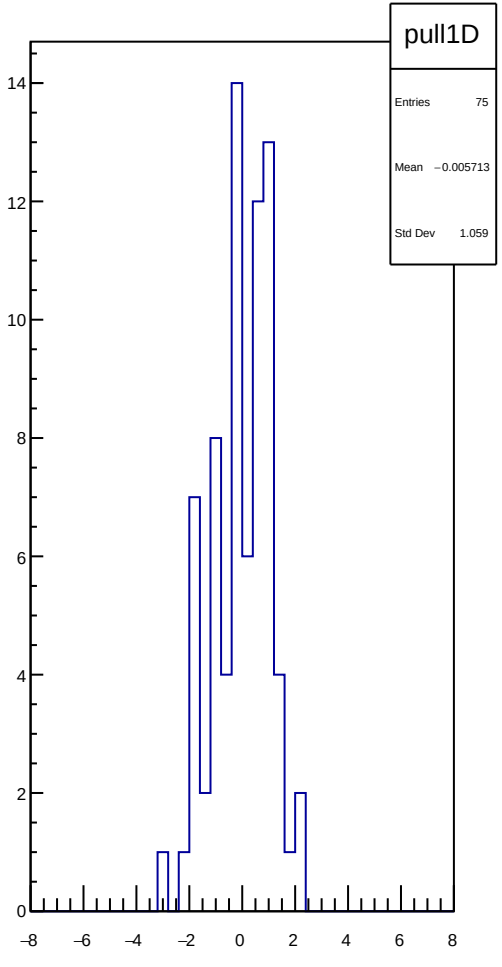

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.933e+04 / 74
p0 275.6 ± 0.228
400
350
300
250
200

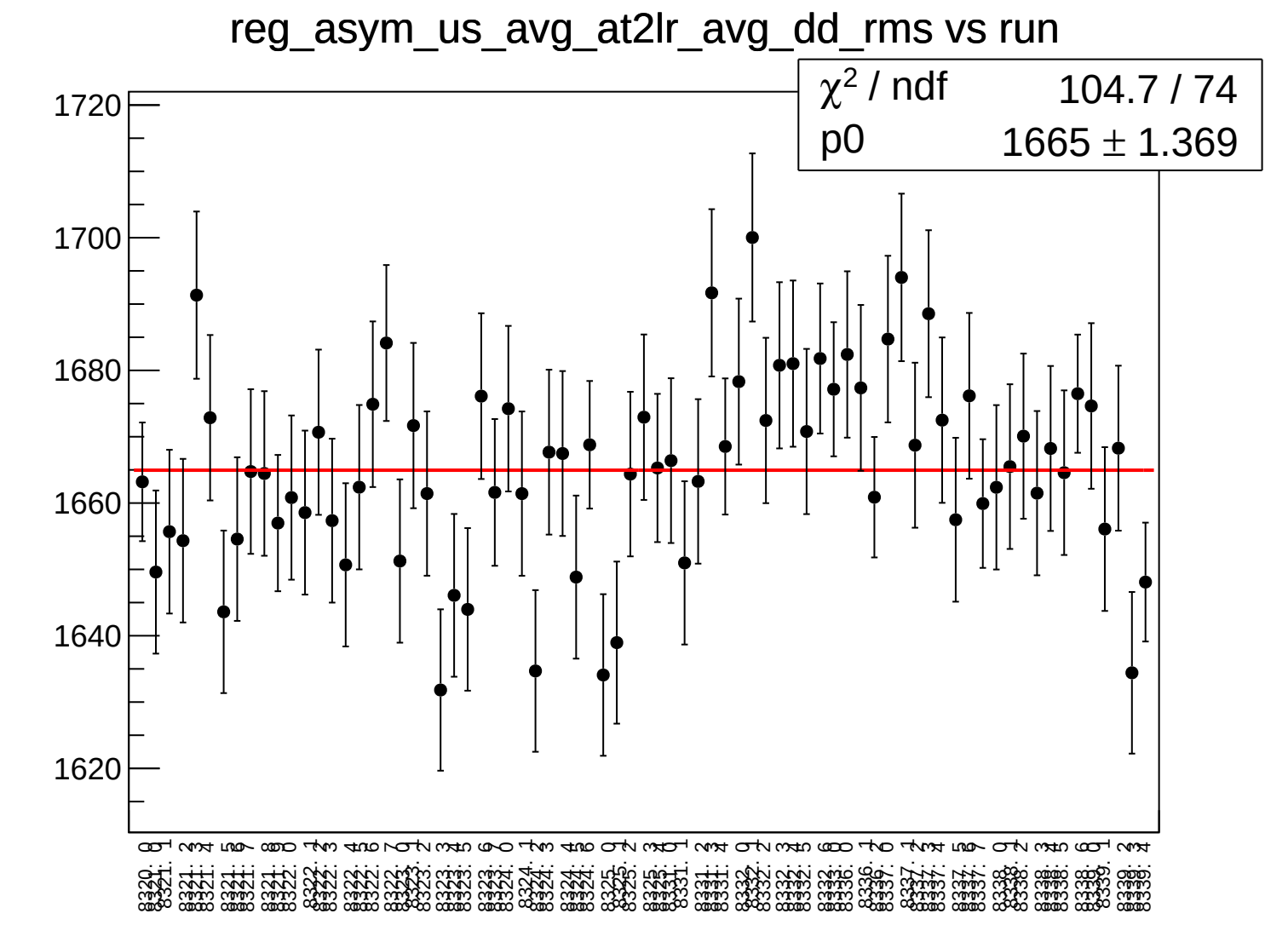

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻⁹
χ² / ndf 84.9 / 74
p0 4.416e−13 ± 9.656e−13
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull
Entries 75
Mean 2802
Std Dev 0
3
2
1
0
−1
−2

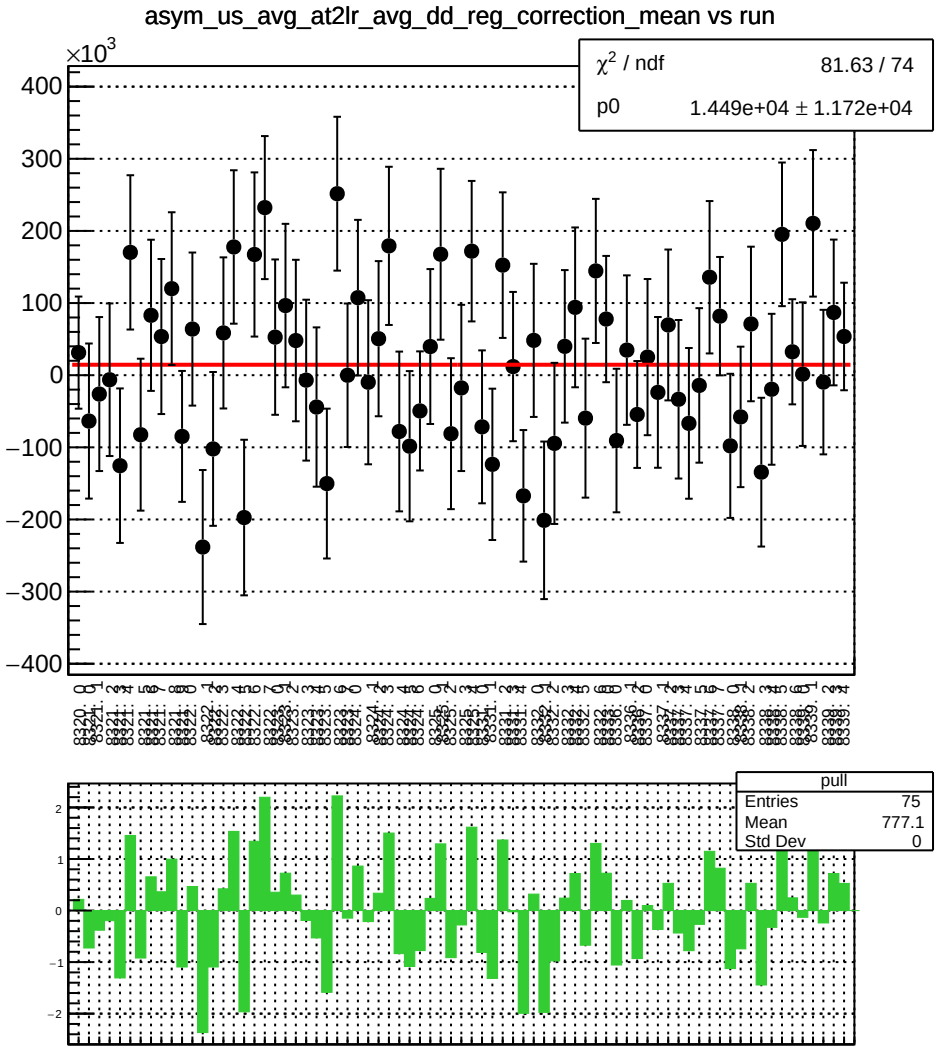

pull1D
Entries 75
Mean −0.001252
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

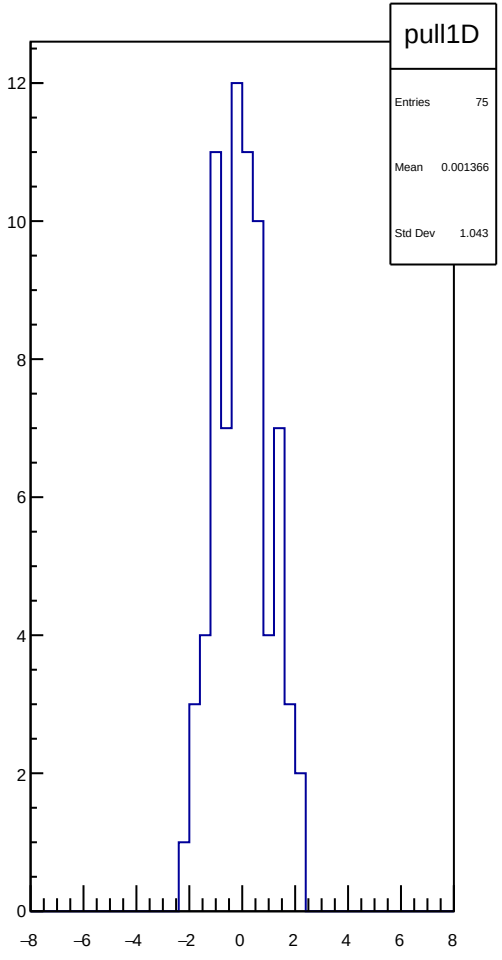

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.039e+05 / 74
p0 7.083e−10 ± 6.828e−13
4.5
4
3.5
3
2.5
2
1.5
1
0.5

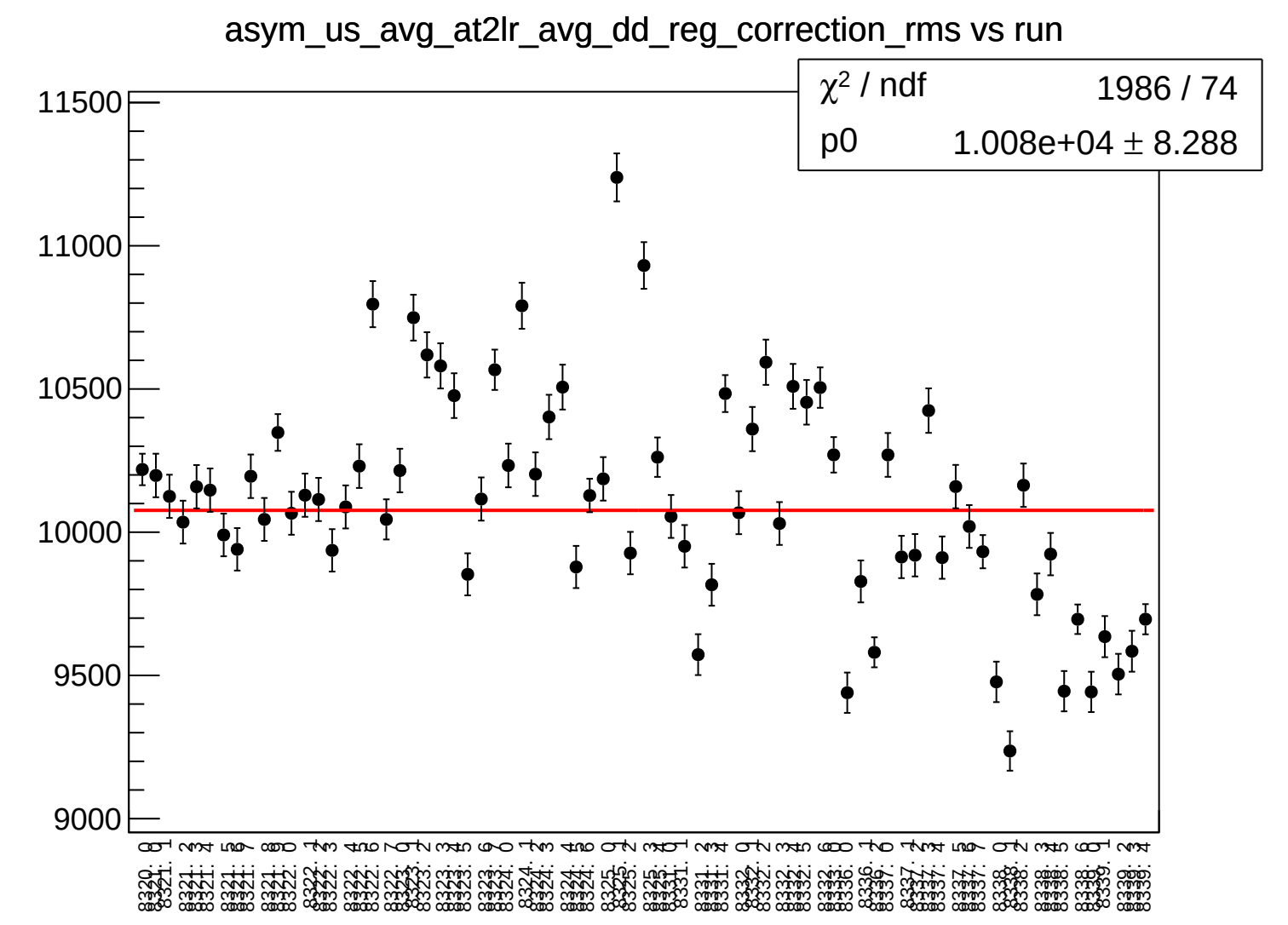

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 84.18 / 74
p0 −3087 ± 1935
pull
Entries 75
Mean 455
Std Dev 0

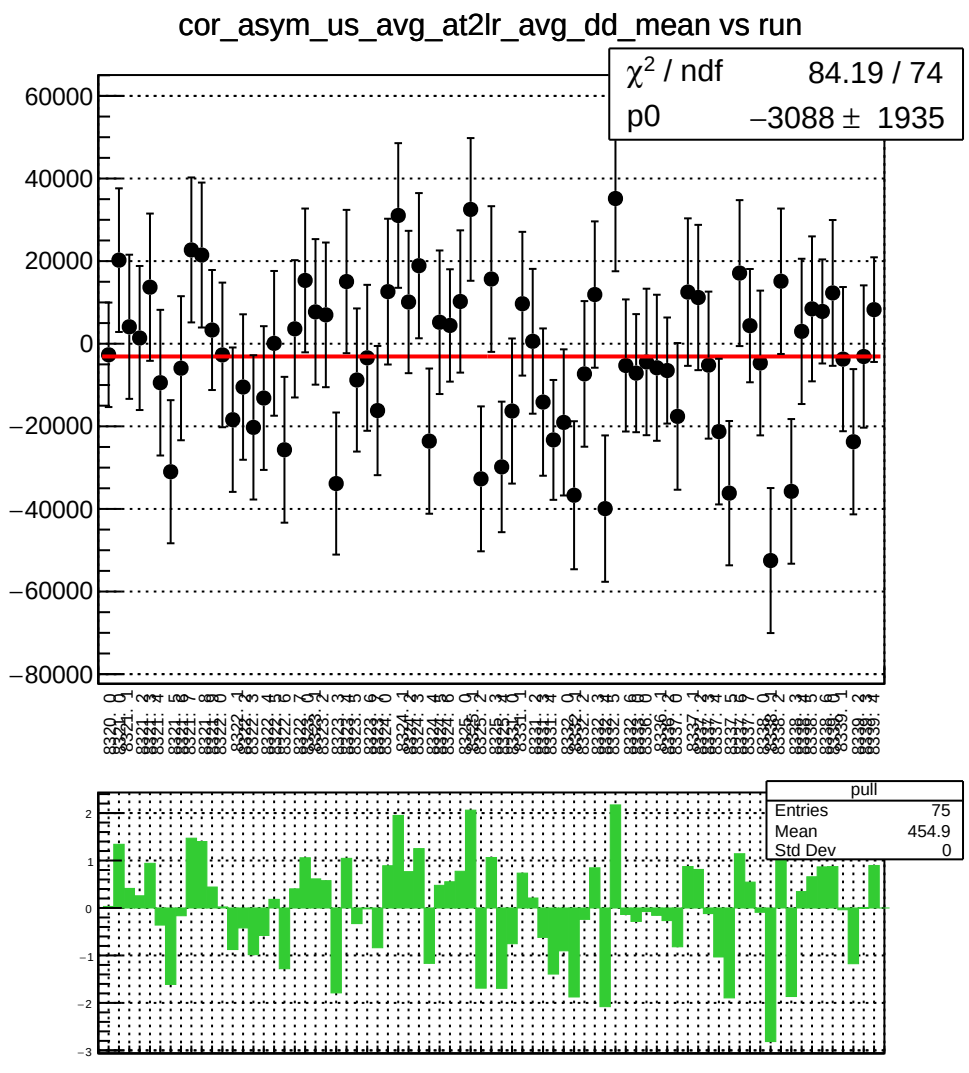

pull1D
Entries 75
Mean −0.005713
Std Dev 1.059

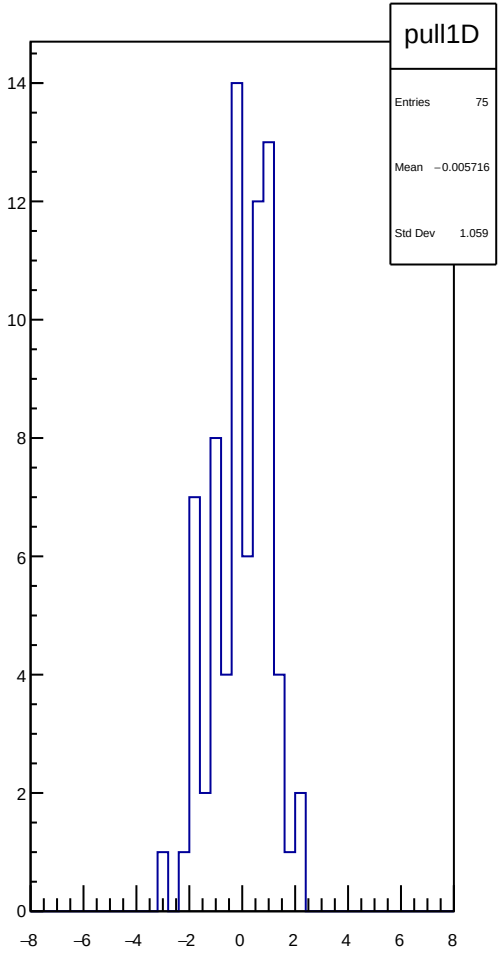

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 104.7 / 74
p0 1665 ± 1.369
1720
1700
1680
1660
1640
1620

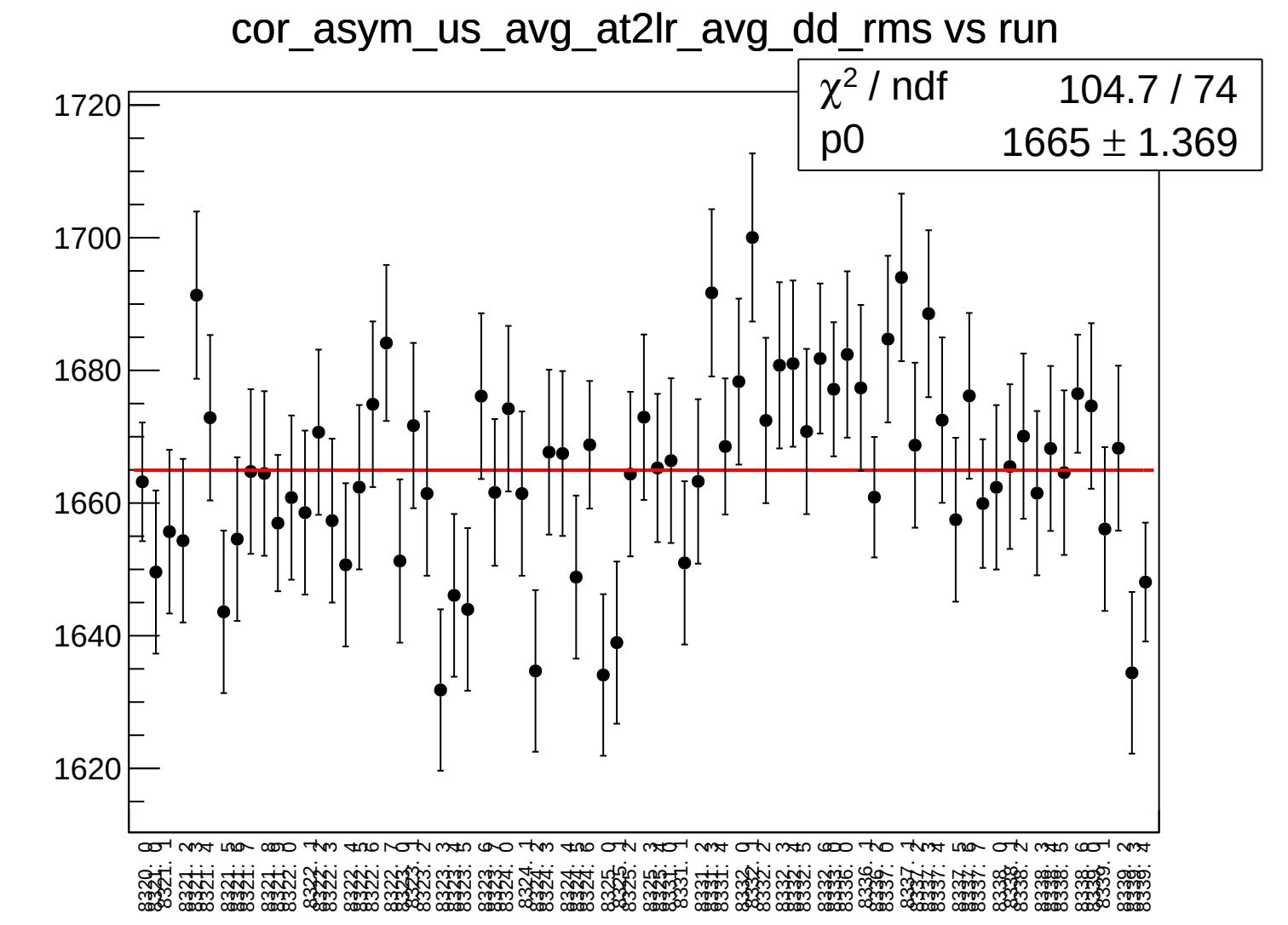

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 81.63 / 74
p0 1.449e+04 ± 1.172e+04
pull
Entries 75
Mean 777.1
Std Dev 0

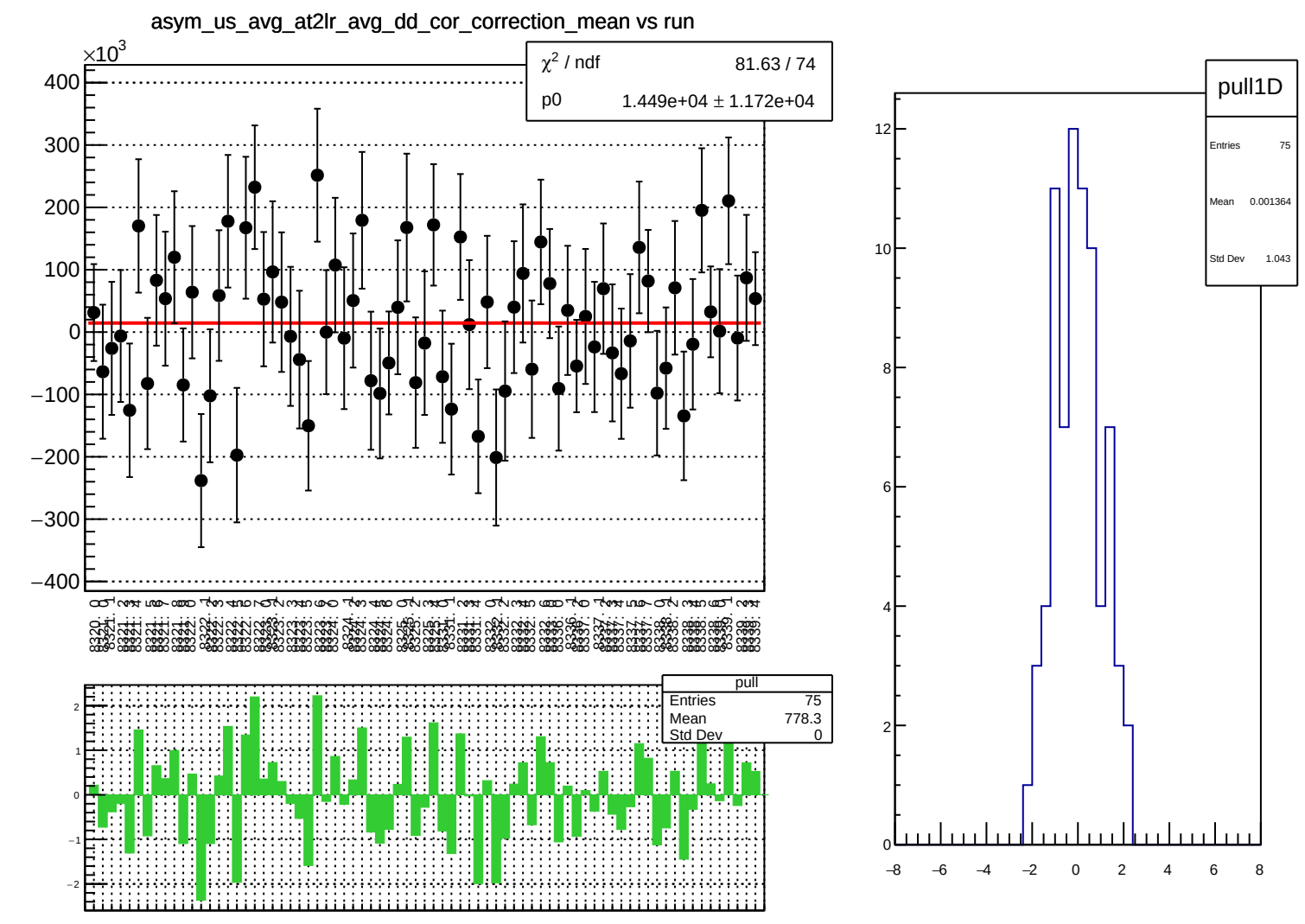

pull1D
Entries 75
Mean 0.001366
Std Dev 1.043

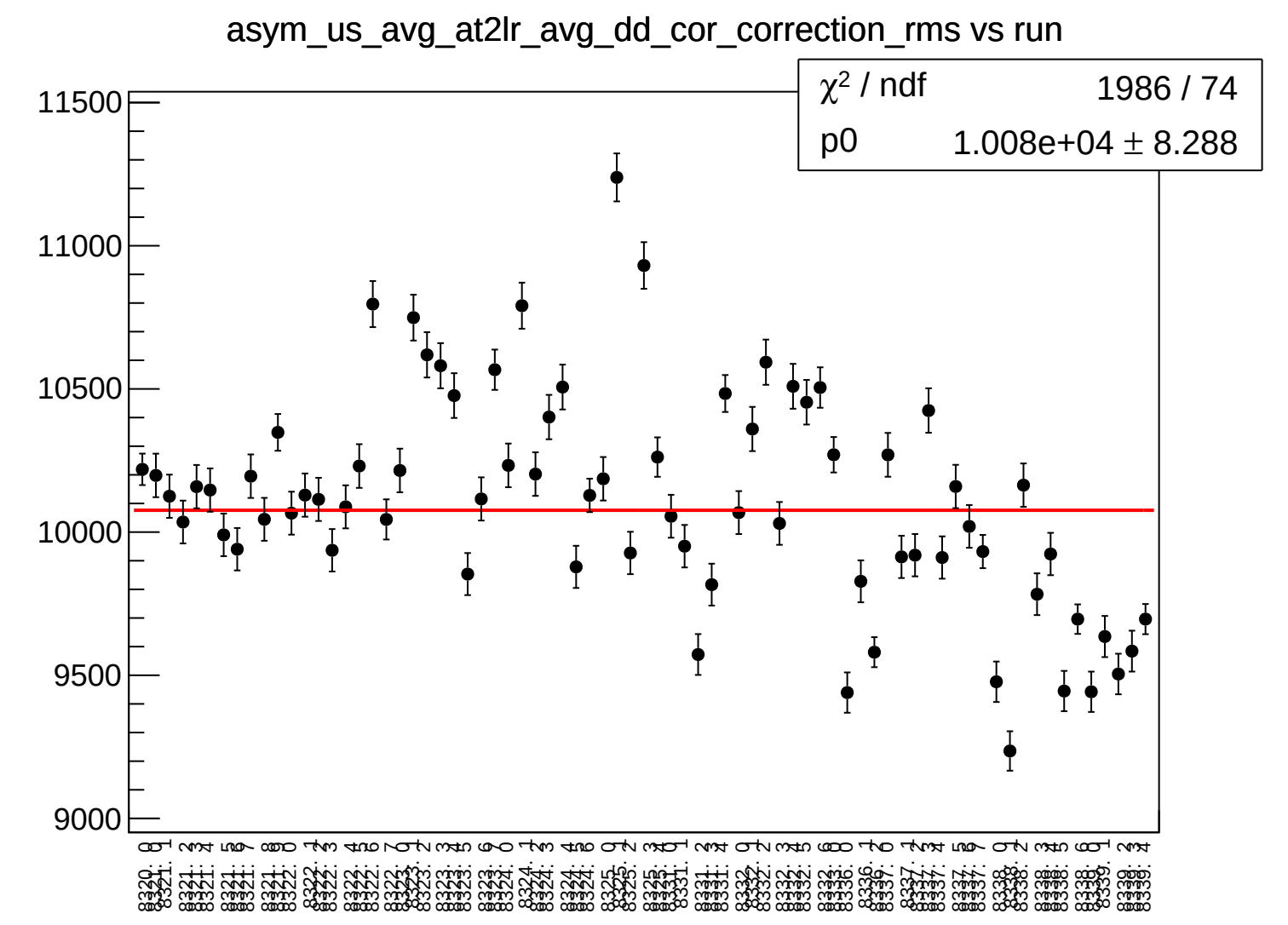

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 1986 / 74
p0 1.008e+04 ± 8.288
11500
11000
10500
10000
9500
9000

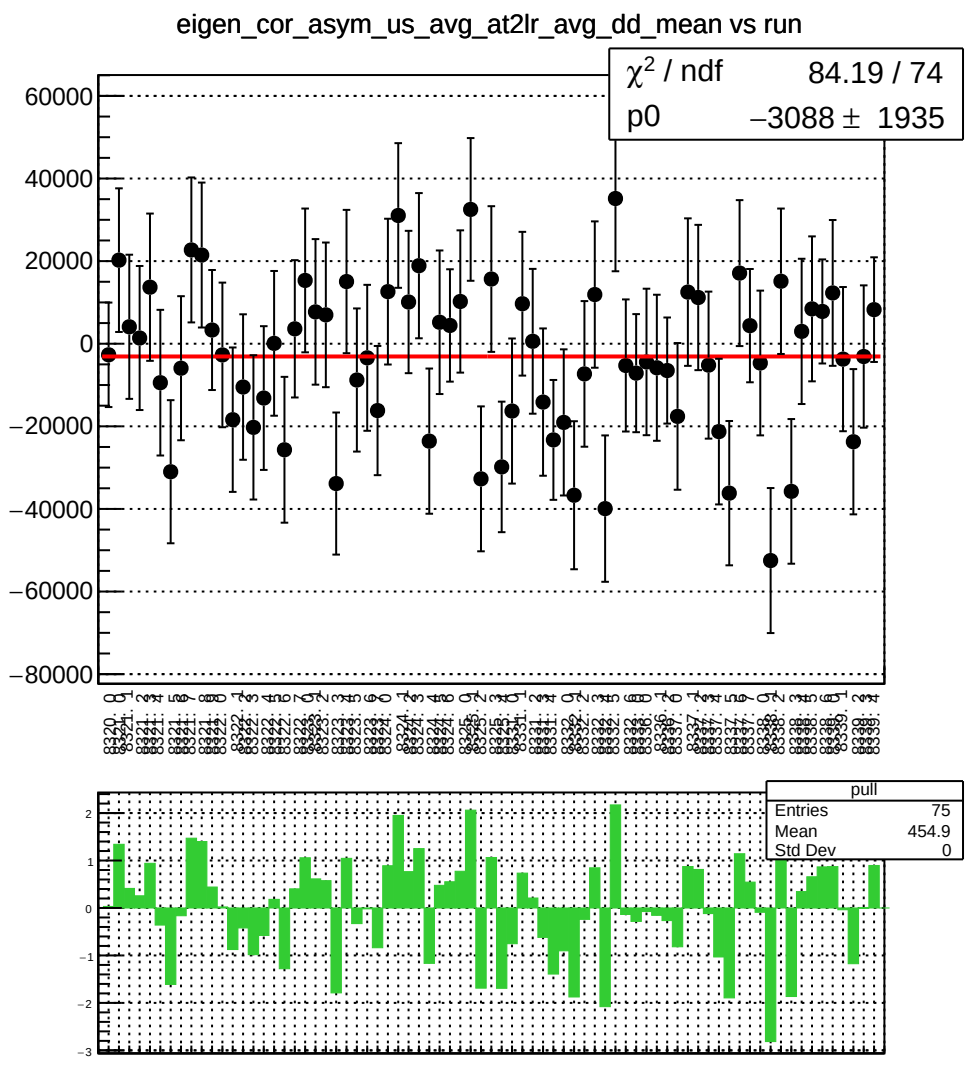

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 84.19 / 74
p0 −3088 ± 1935
pull
Entries 75
Mean 454.9
Std Dev 0

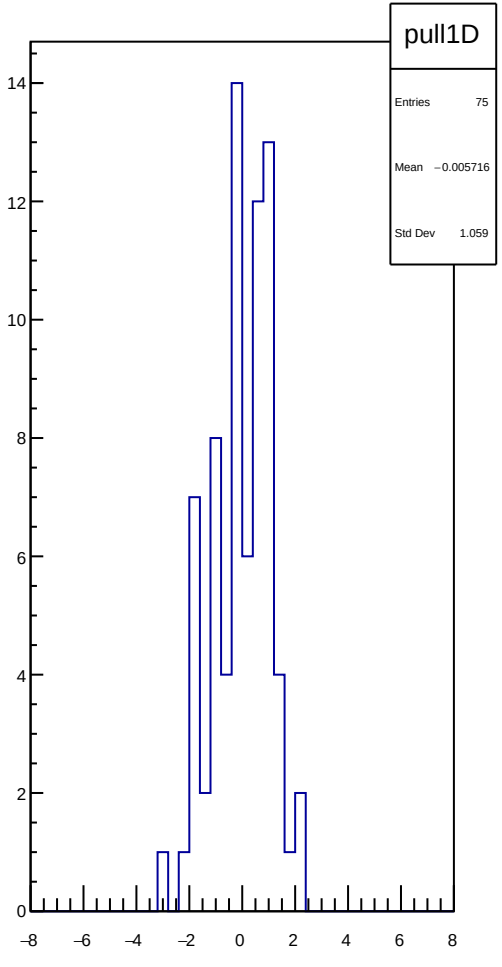

pull1D
Entries 75
Mean −0.005716
Std Dev 1.059

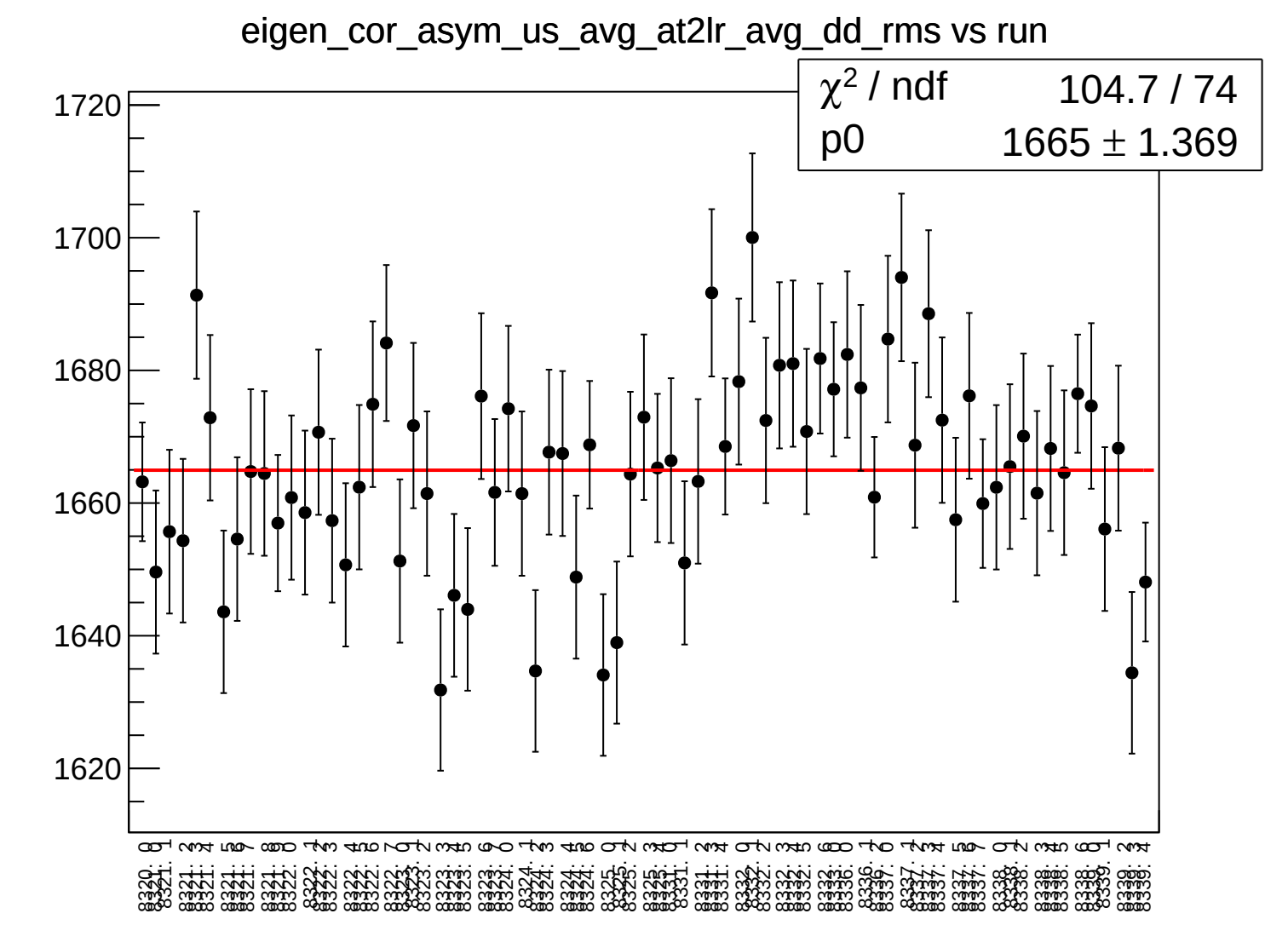

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 104.7 / 74
p0 1665 ± 1.369
1720
1700
1680
1660
1640
1620

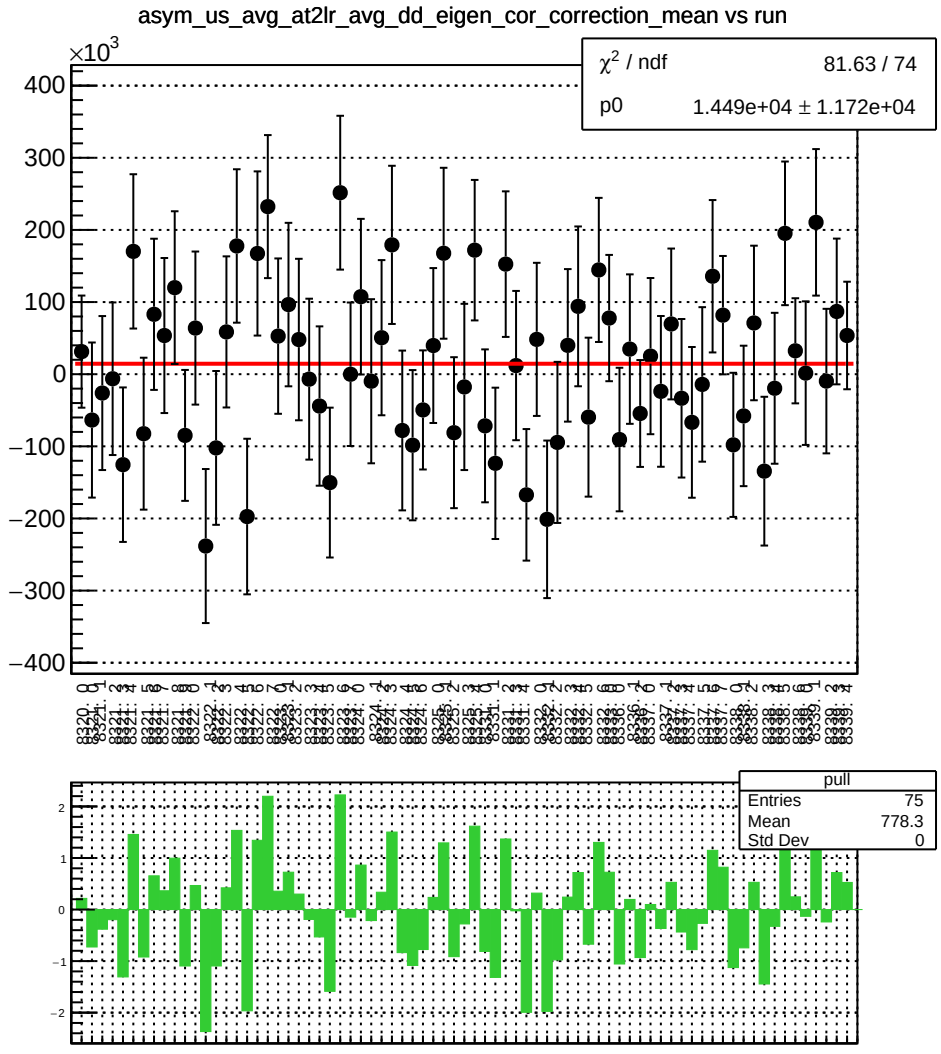

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 81.63 / 74
p0 1.449e+04 ± 1.172e+04
pull
Entries 75
Mean 778.3
Std Dev 0
pull1D
Entries 75
Mean 0.001364
Std Dev 1.043

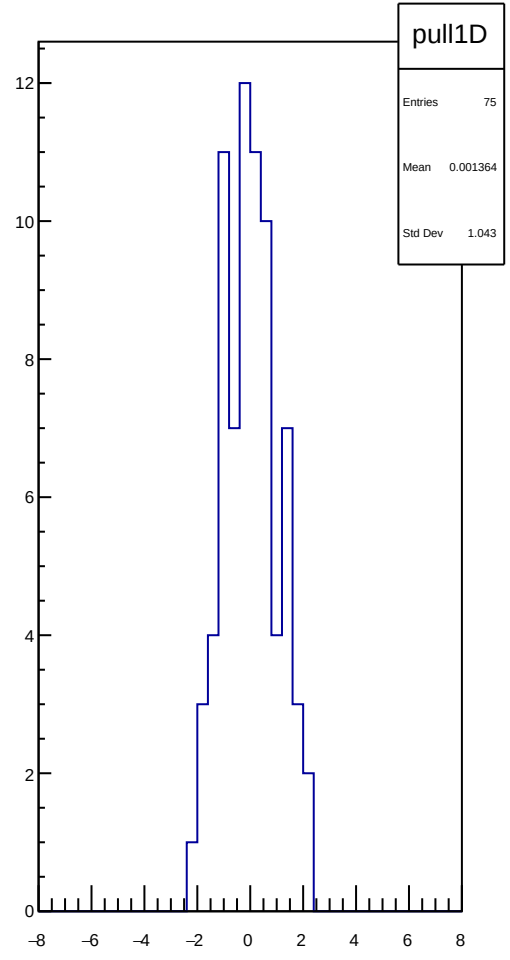

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 1986 / 74
p0 1.008e+04 ± 8.288
11500
11000
10500
10000
9500
9000

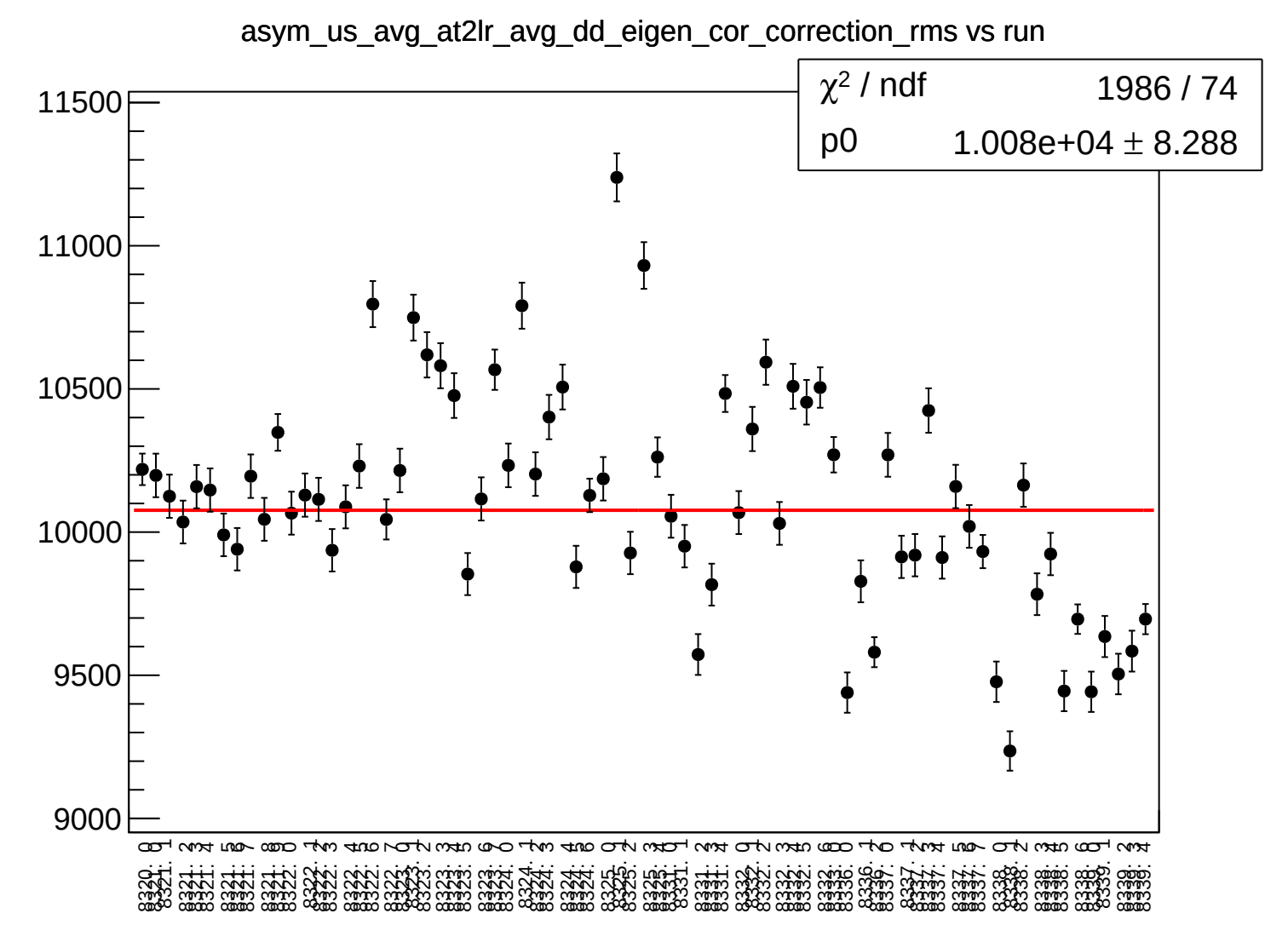

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 84.19 / 74
p0 −3088 ± 1935
pull
Entries 75
Mean 454.9
Std Dev 0

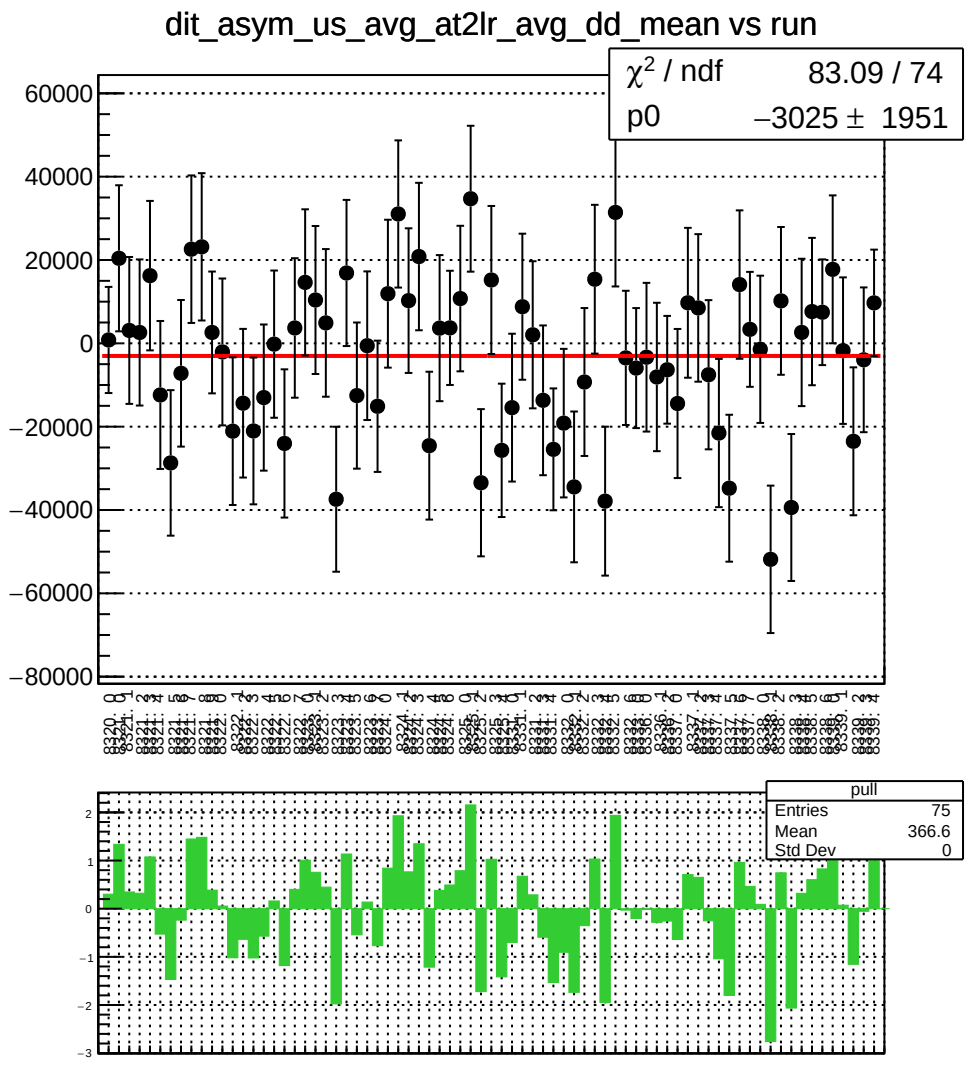

pull1D
Entries 75
Mean −0.005716
Std Dev 1.059

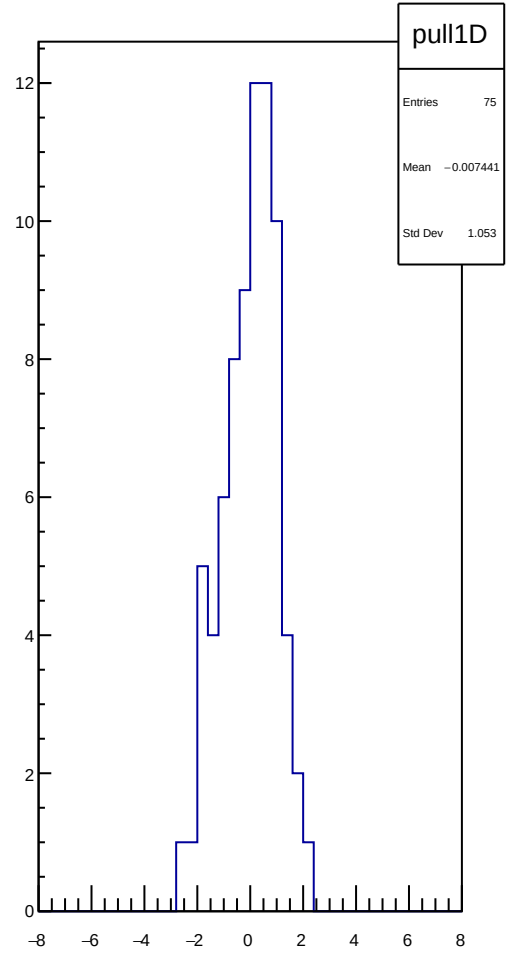

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 104.7 / 74
p0 1665 ± 1.369
1720
1700
1680
1660
1640
1620

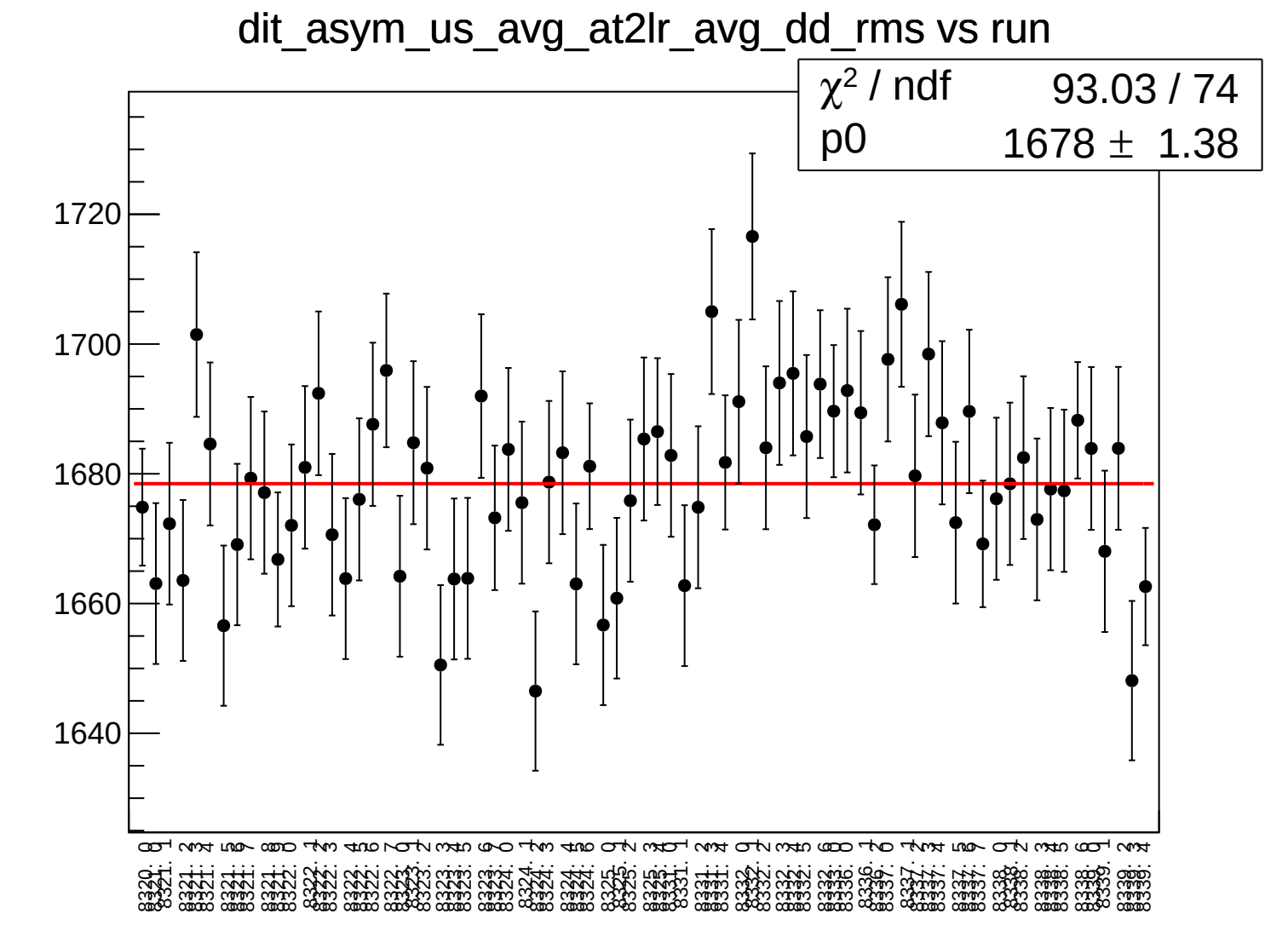

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.63 / 74
p0 1.449e+04 ± 1.172e+04
pull
Entries 75
Mean 778.3
Std Dev 0

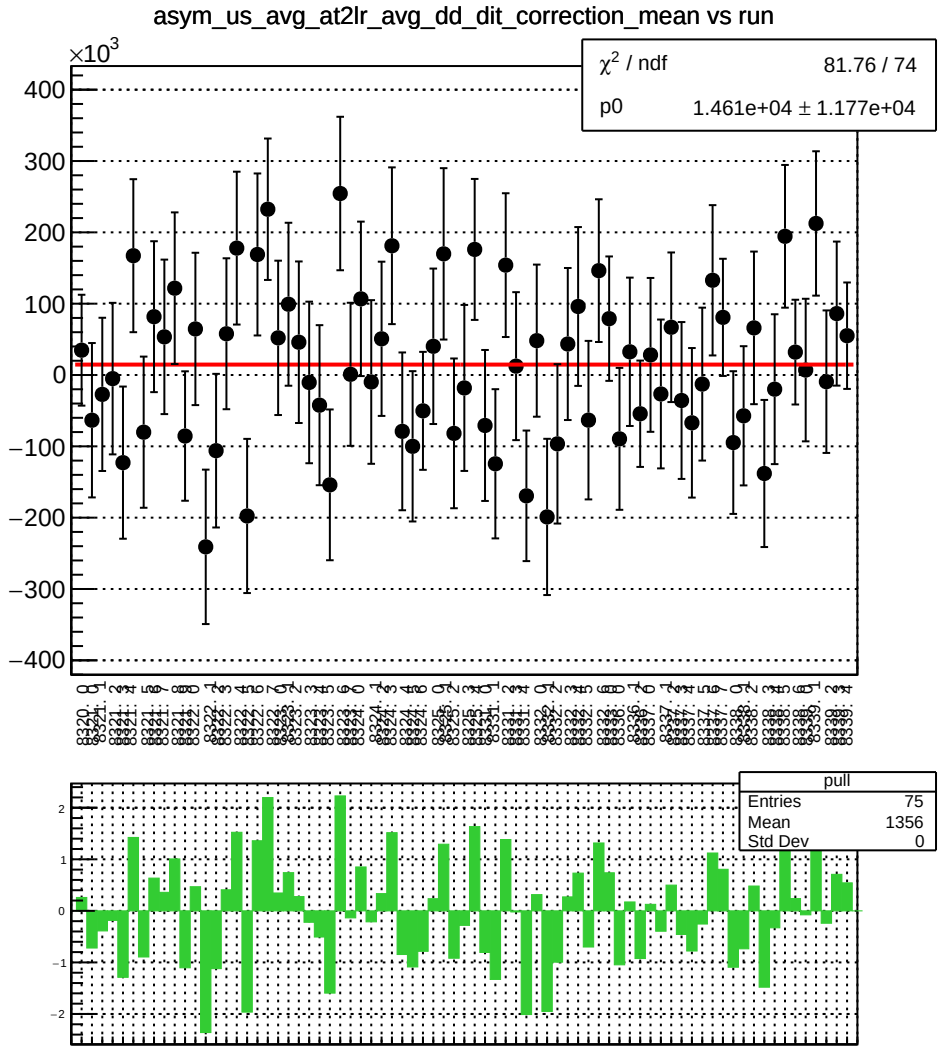

pull1D
Entries 75
Mean 0.001364
Std Dev 1.043

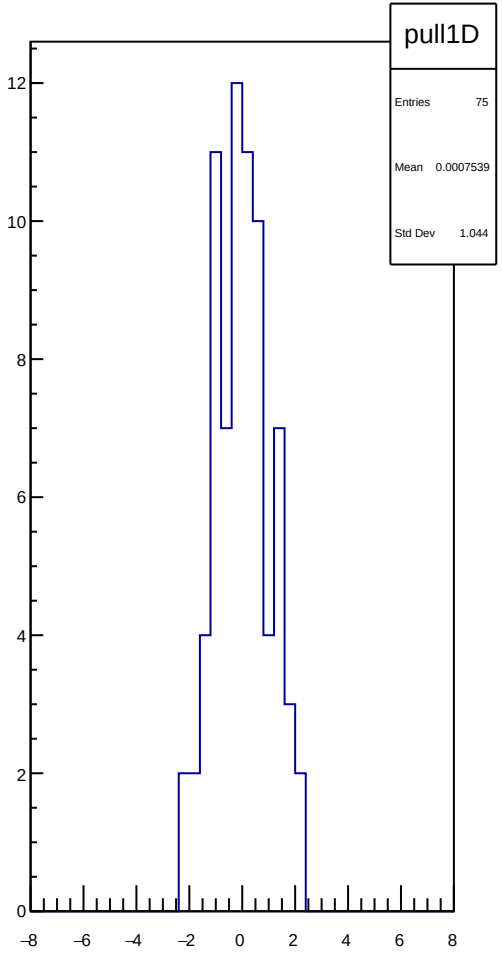

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1986 / 74
p0 1.008e+04 ± 8.288
11500
11000
10500
10000
9500
9000

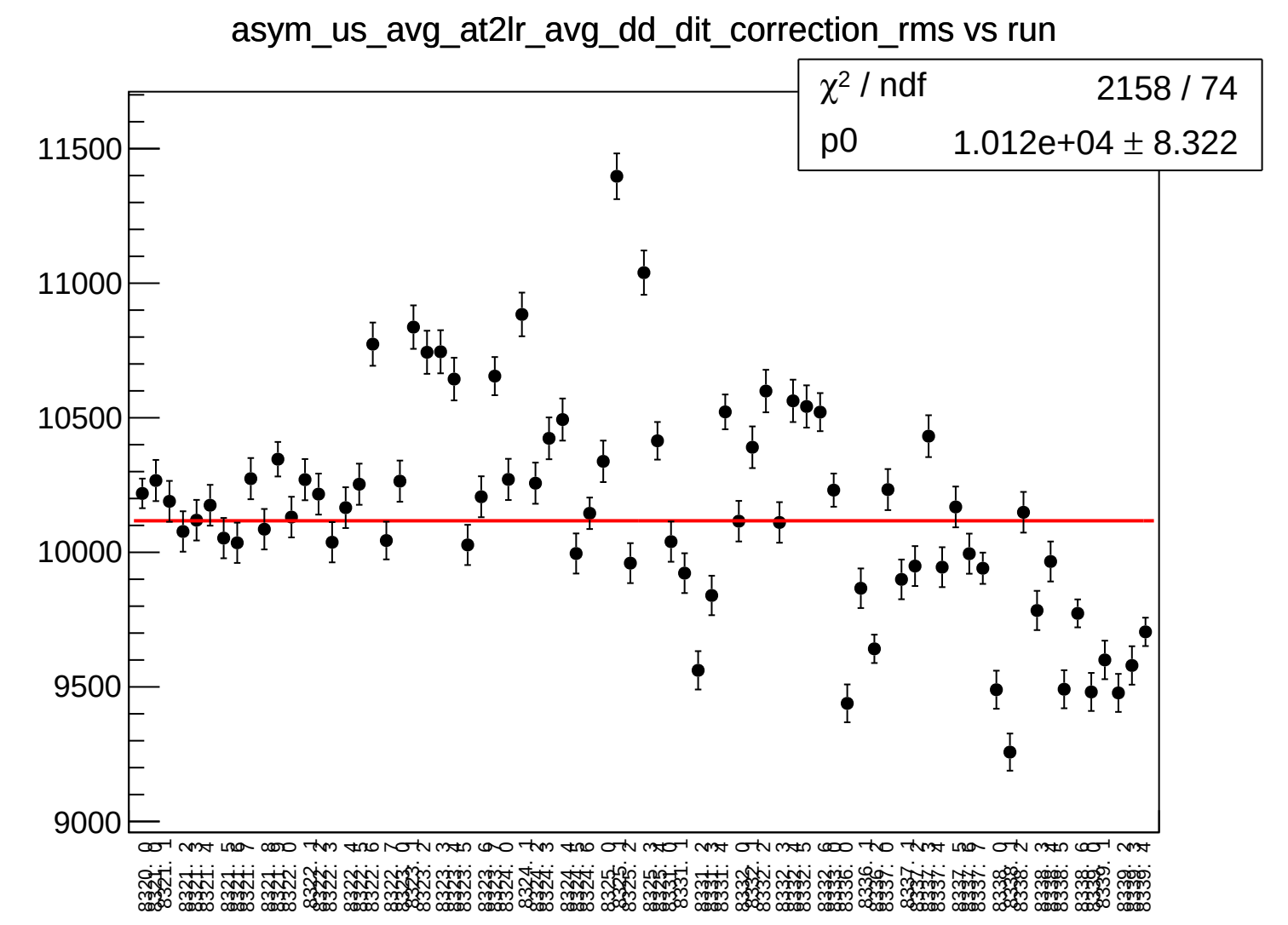

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 83.09 / 74
p0 −3025 ± 1951
pull
Entries 75
Mean 366.6
Std Dev 0

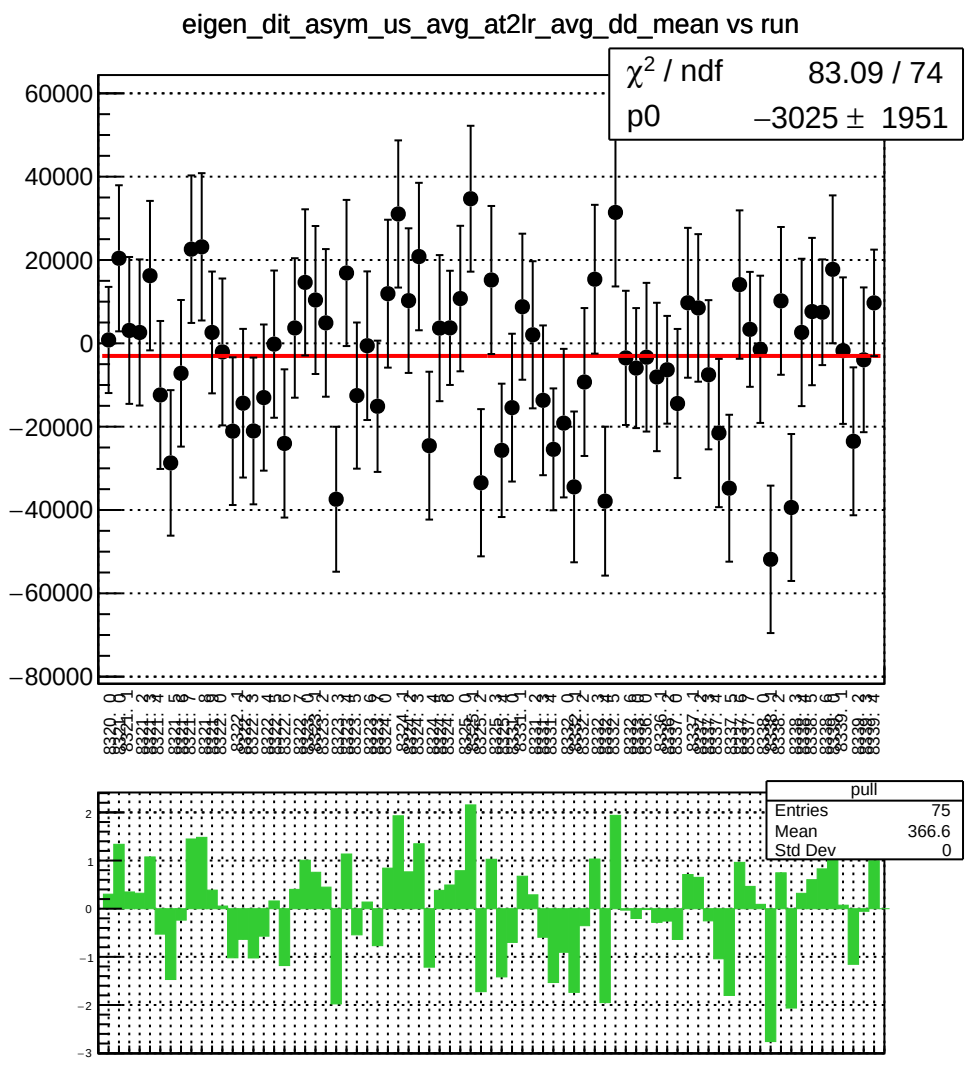

pull1D
Entries 75
Mean −0.007441
Std Dev 1.053

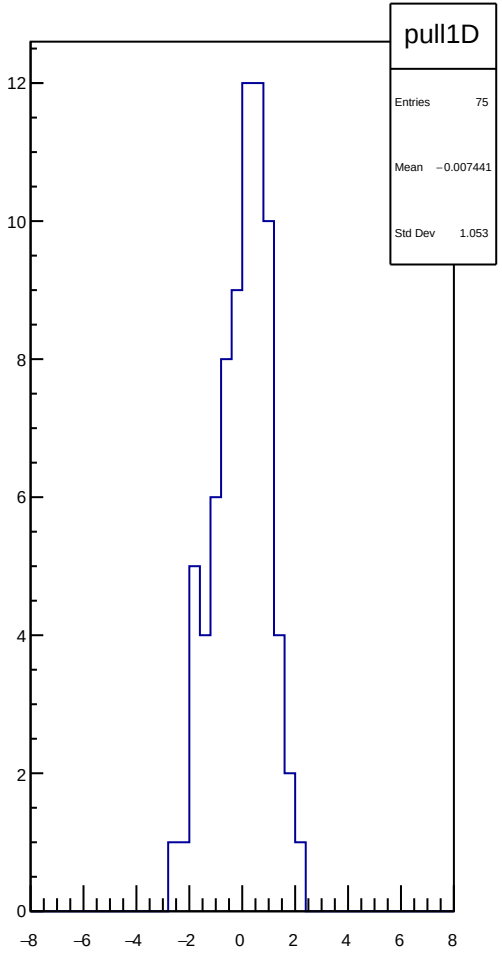

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 93.03 / 74
p0 1678 ± 1.38
1720
1700
1680
1660
1640

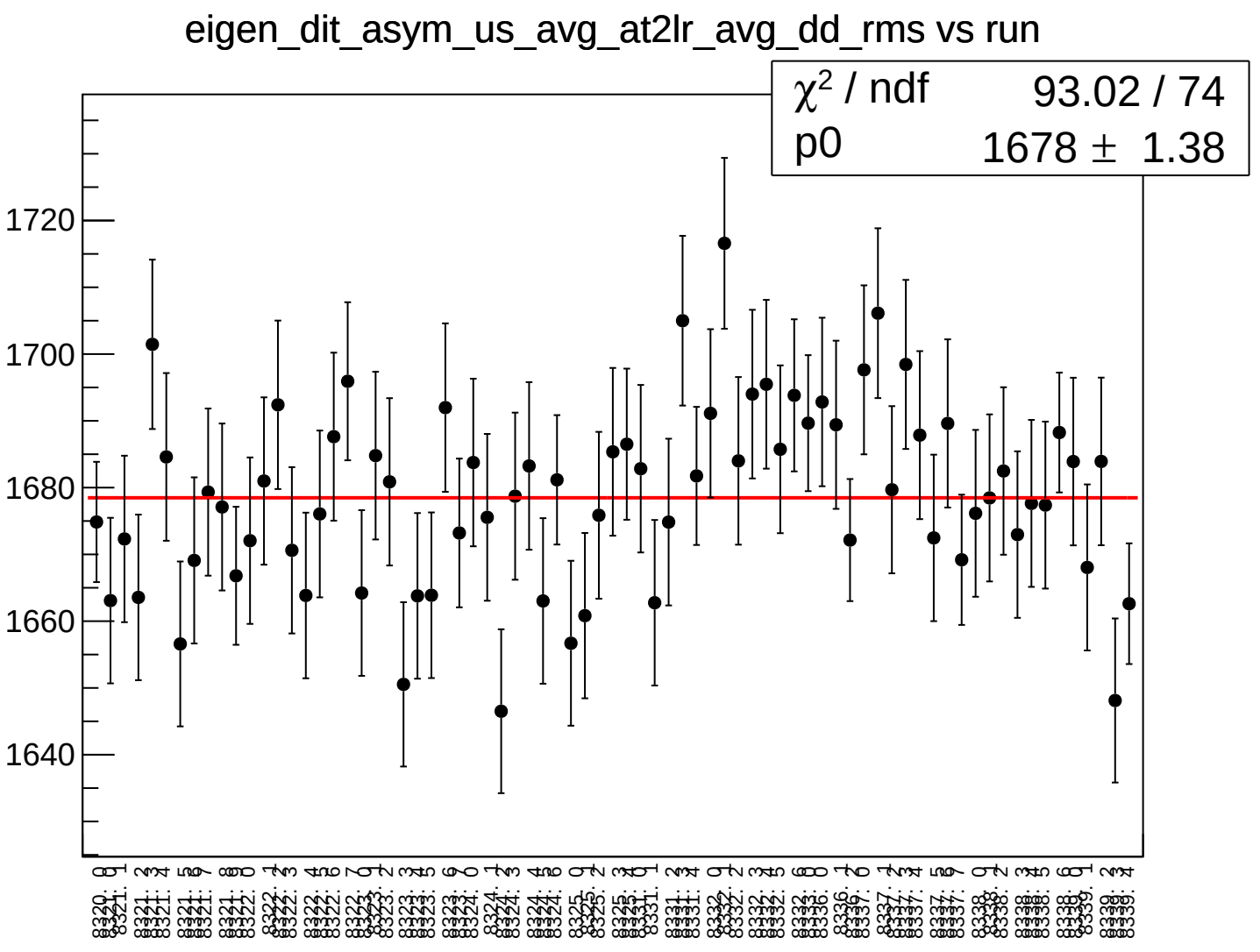

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.76 / 74
p0 1.461e+04 ± 1.177e+04
pull
Entries 75
Mean 1356
Std Dev 0

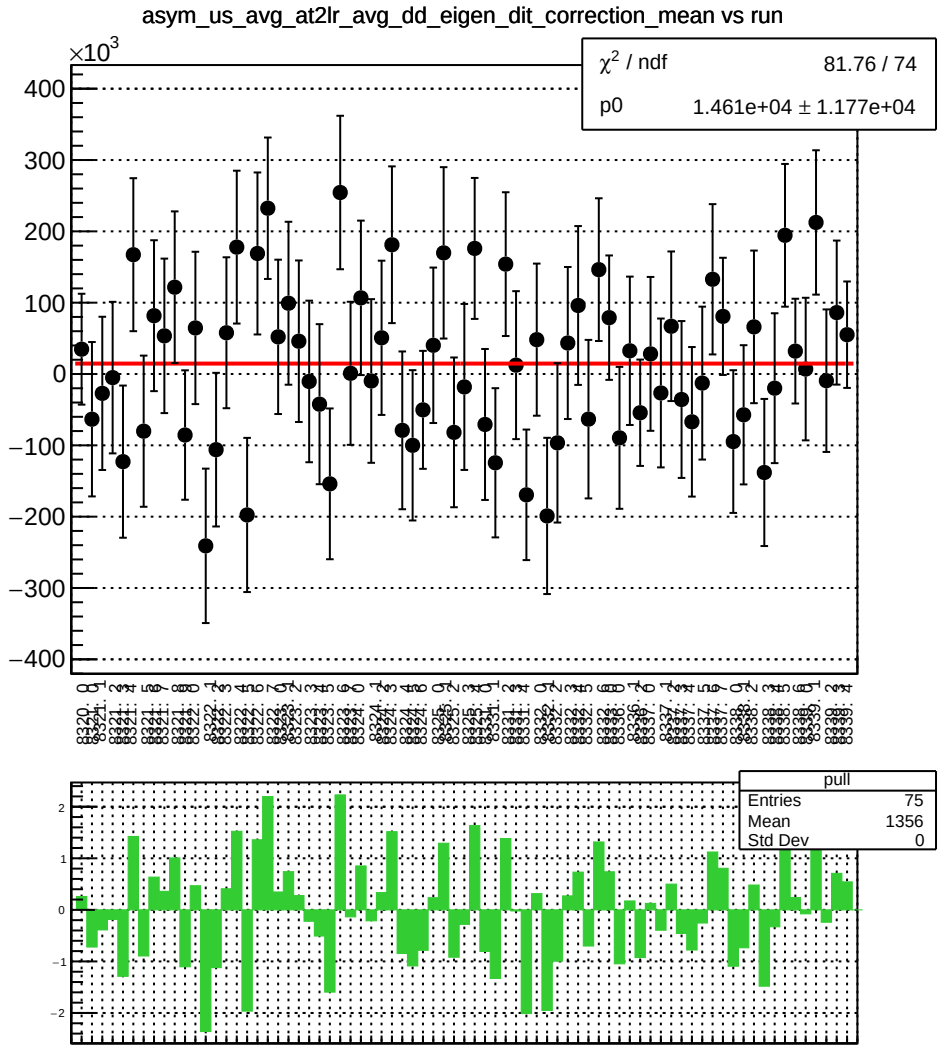

pull1D
Entries 75
Mean 0.0007539
Std Dev 1.044

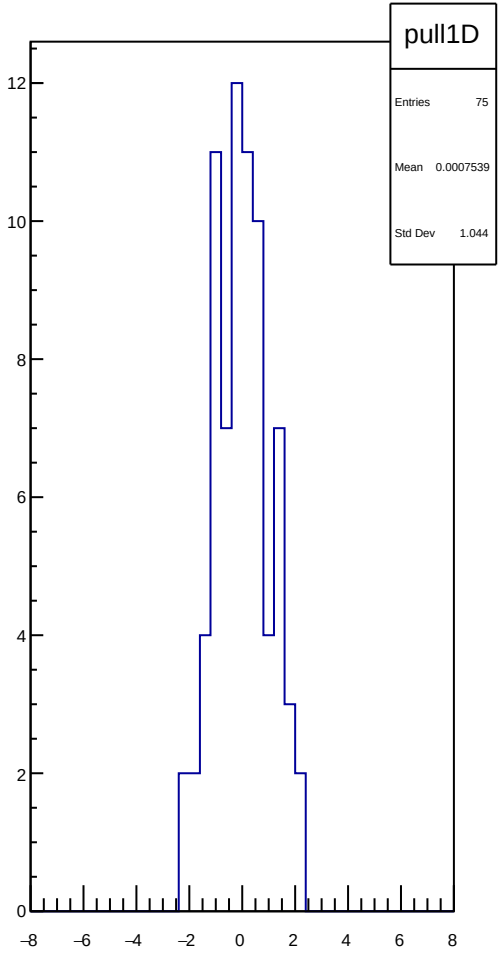

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2158 / 74
p0 1.012e+04 ± 8.322
11500
11000
10500
10000
9500
9000

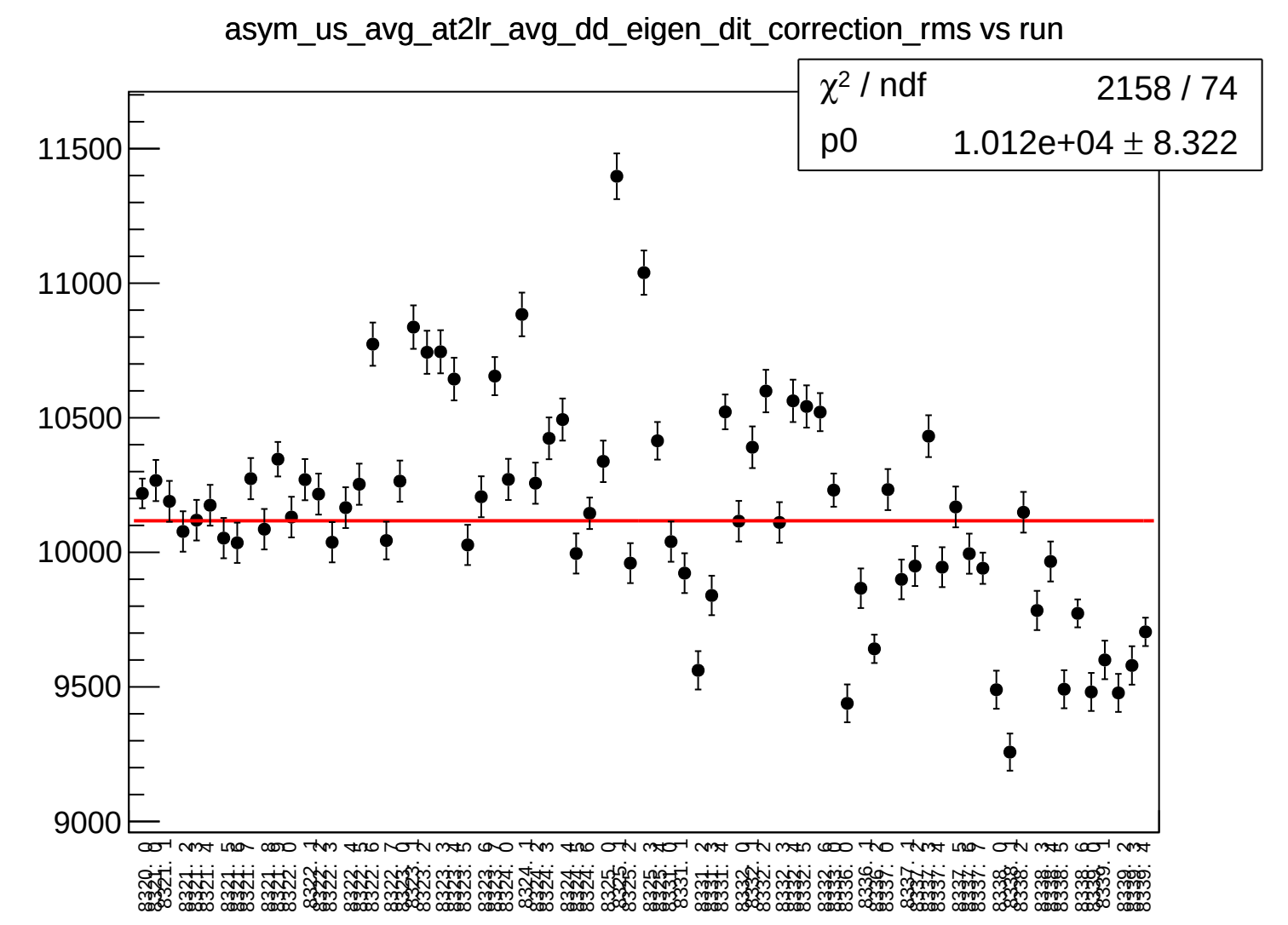

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 83.09 / 74
p0 −3025 ± 1951
pull
Entries 75
Mean 366.6
Std Dev 0

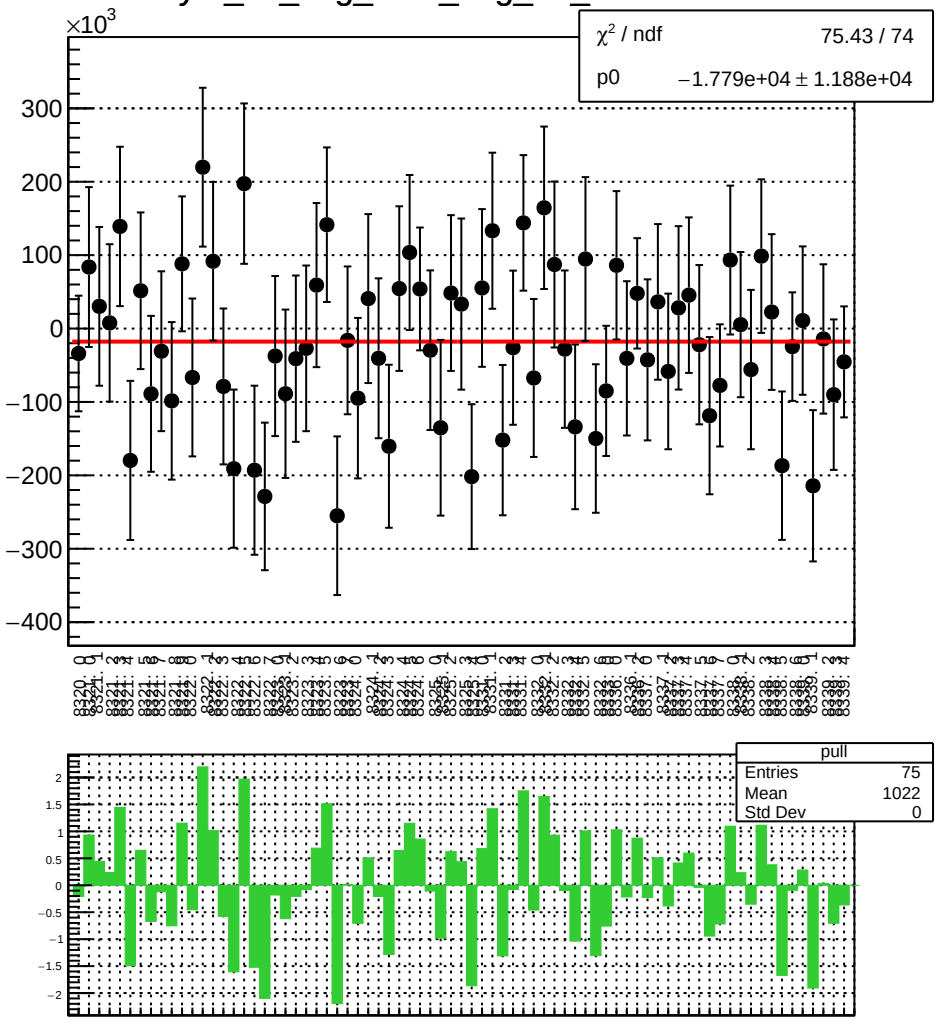

pull1D
Entries 75
Mean −0.007441
Std Dev 1.053

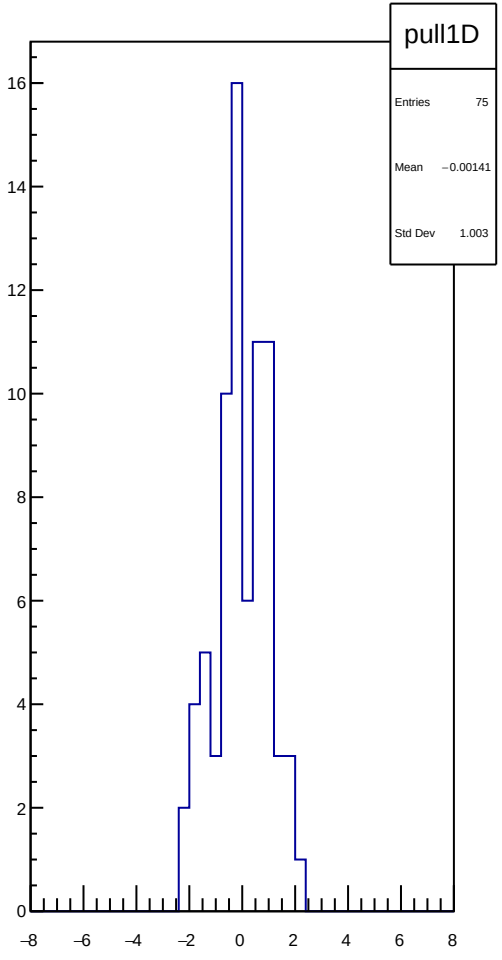

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 93.02 / 74
p0 1678 ± 1.38
1720
1700
1680
1660
1640

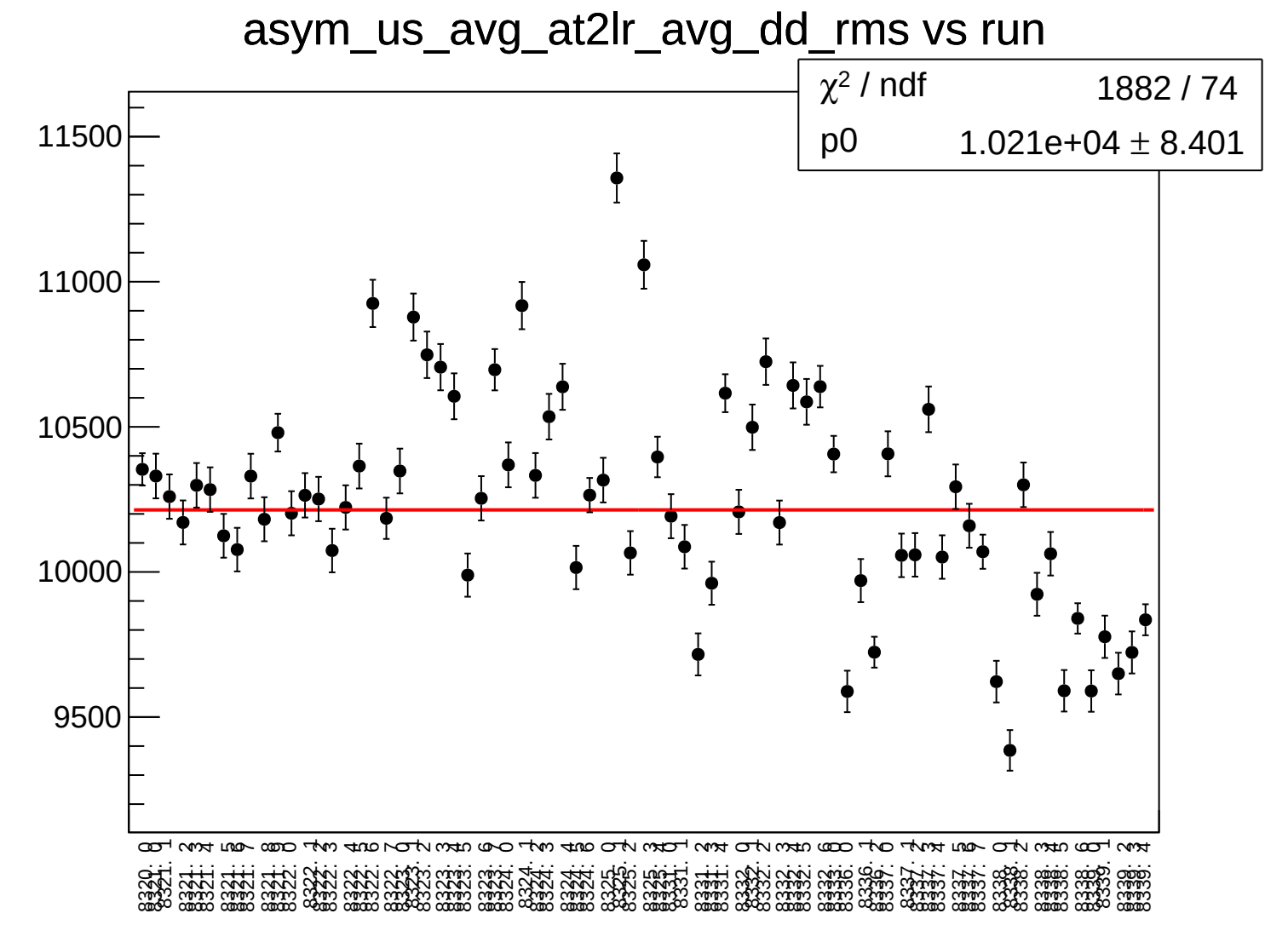

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.76 / 74
p0 1.461e+04 ± 1.177e+04
pull
Entries 75
Mean 1356
Std Dev 0

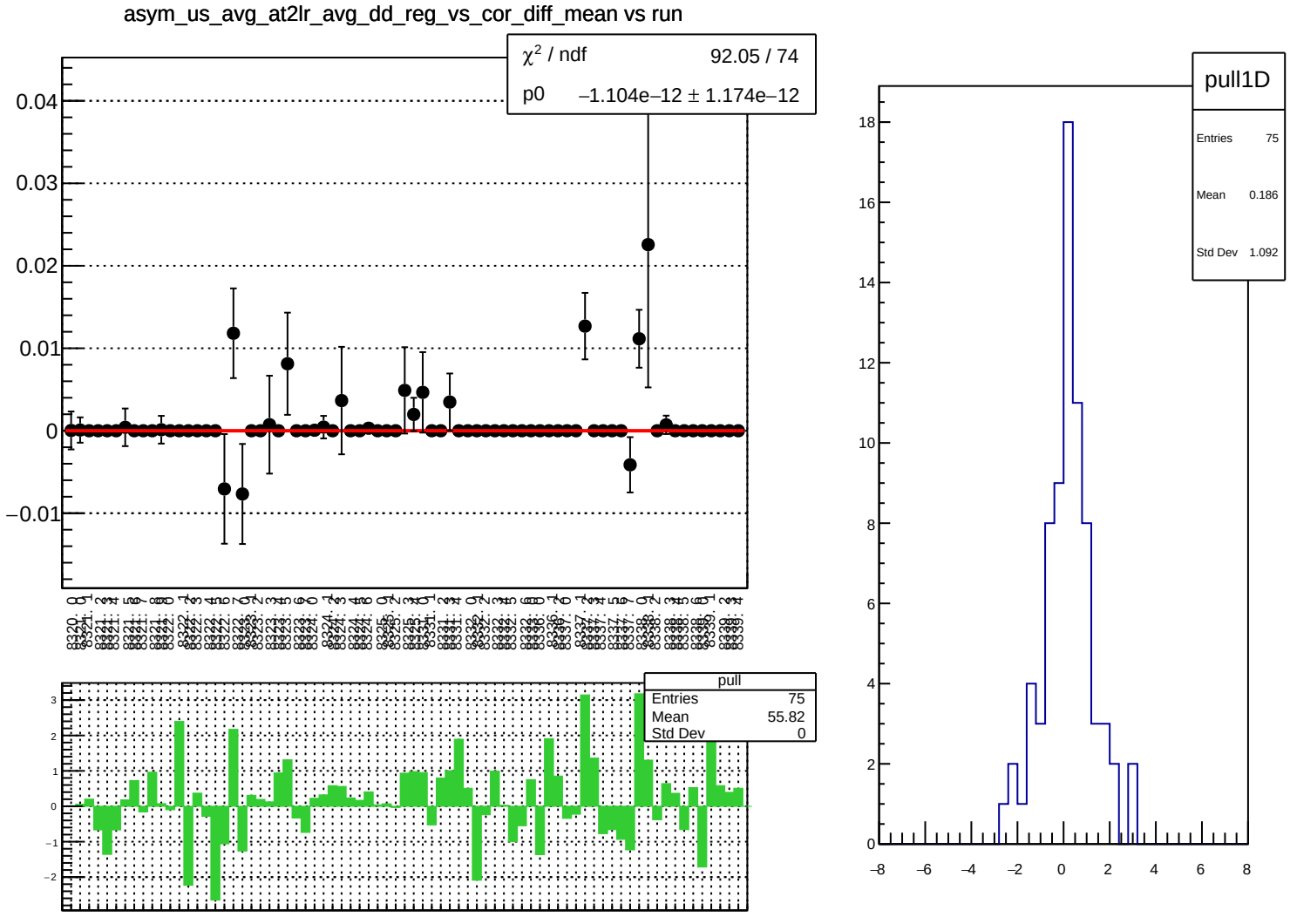

pull1D
Entries 75
Mean 0.0007539
Std Dev 1.044

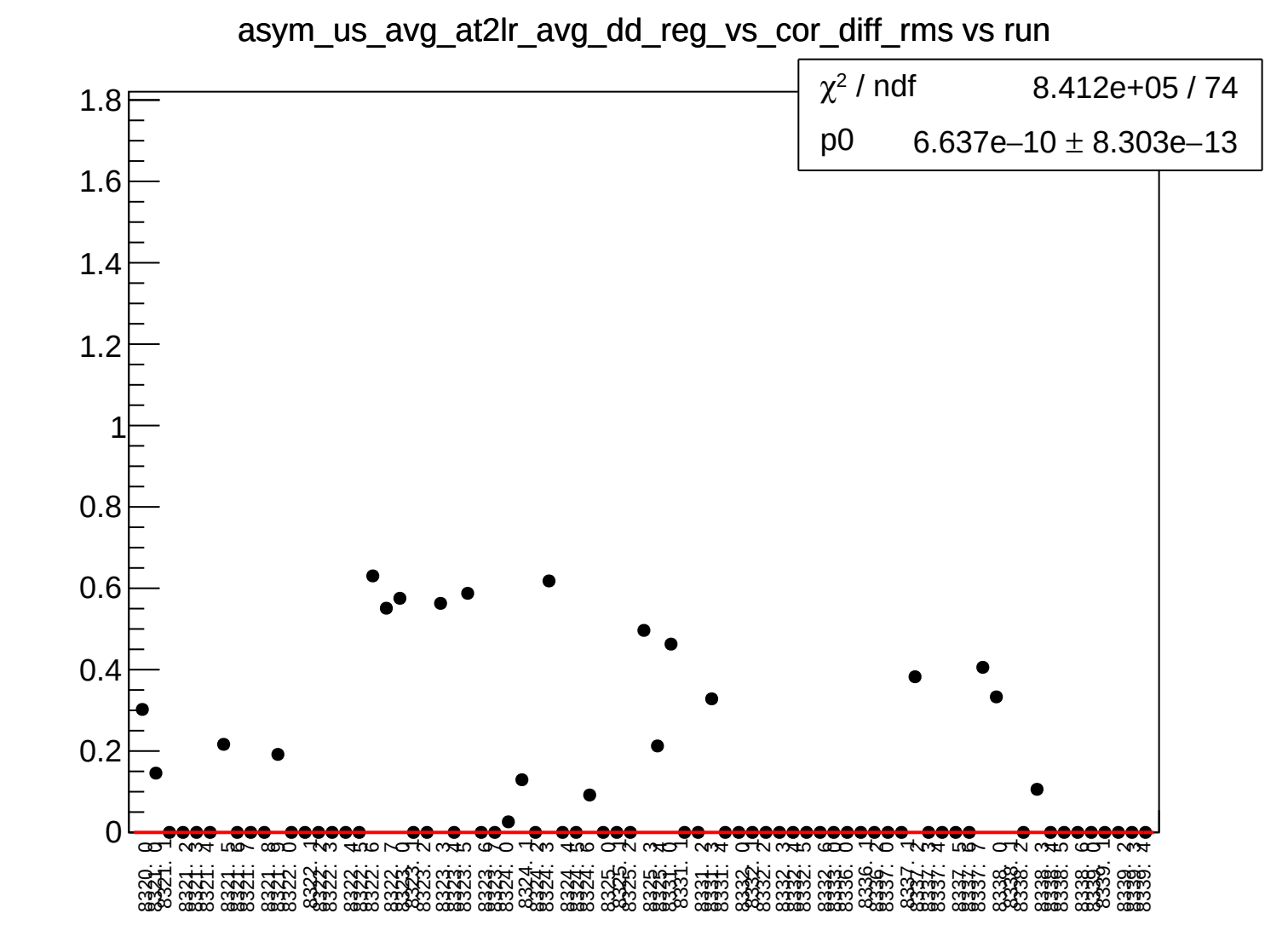

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2158 / 74
p0 1.012e+04 ± 8.322
11500
11000
10500
10000
9500
9000

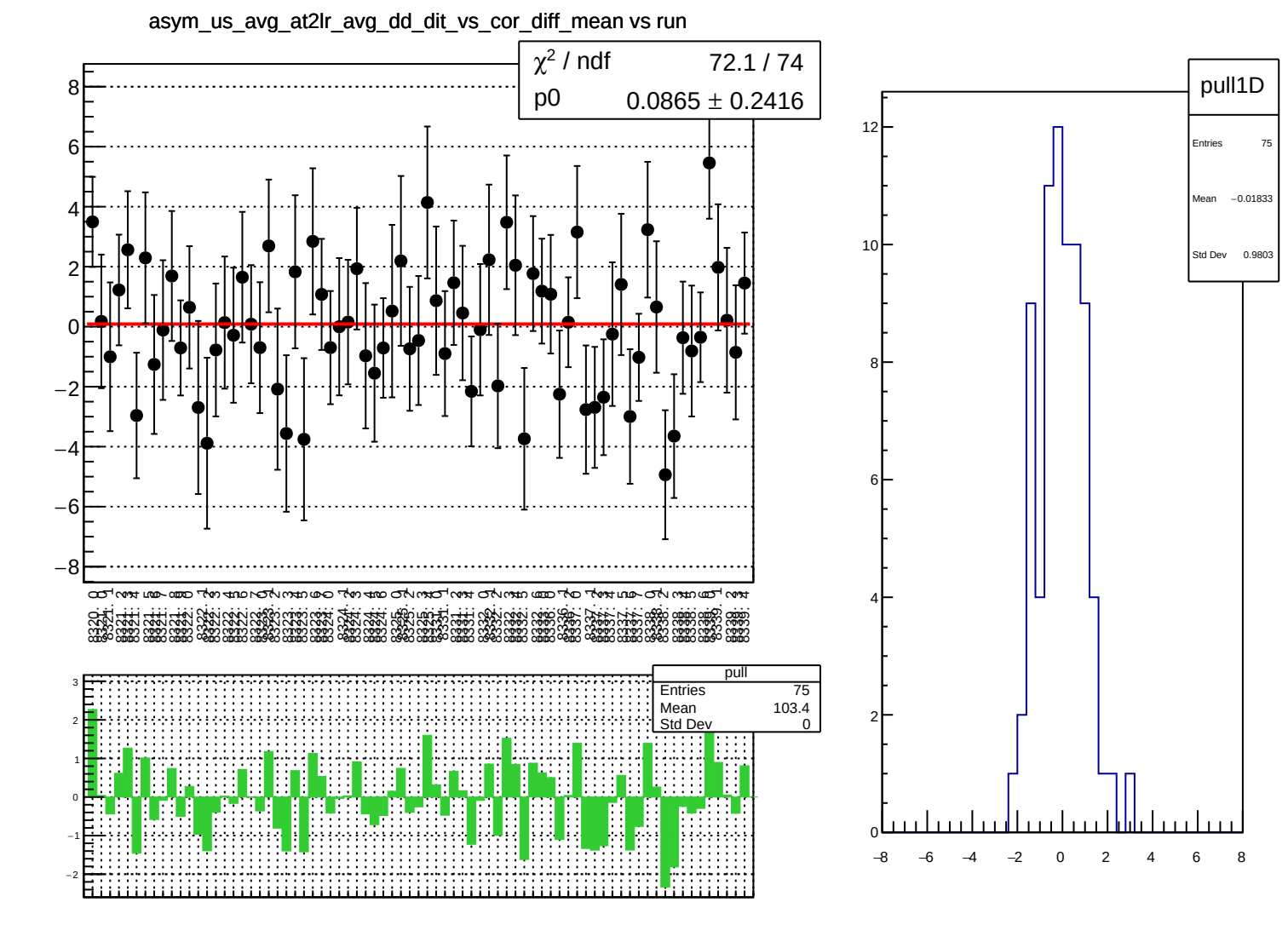

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 75.43 / 74
p0 −1.779e+04 ± 1.188e+04
pull
Entries 75
Mean 1022
Std Dev 0

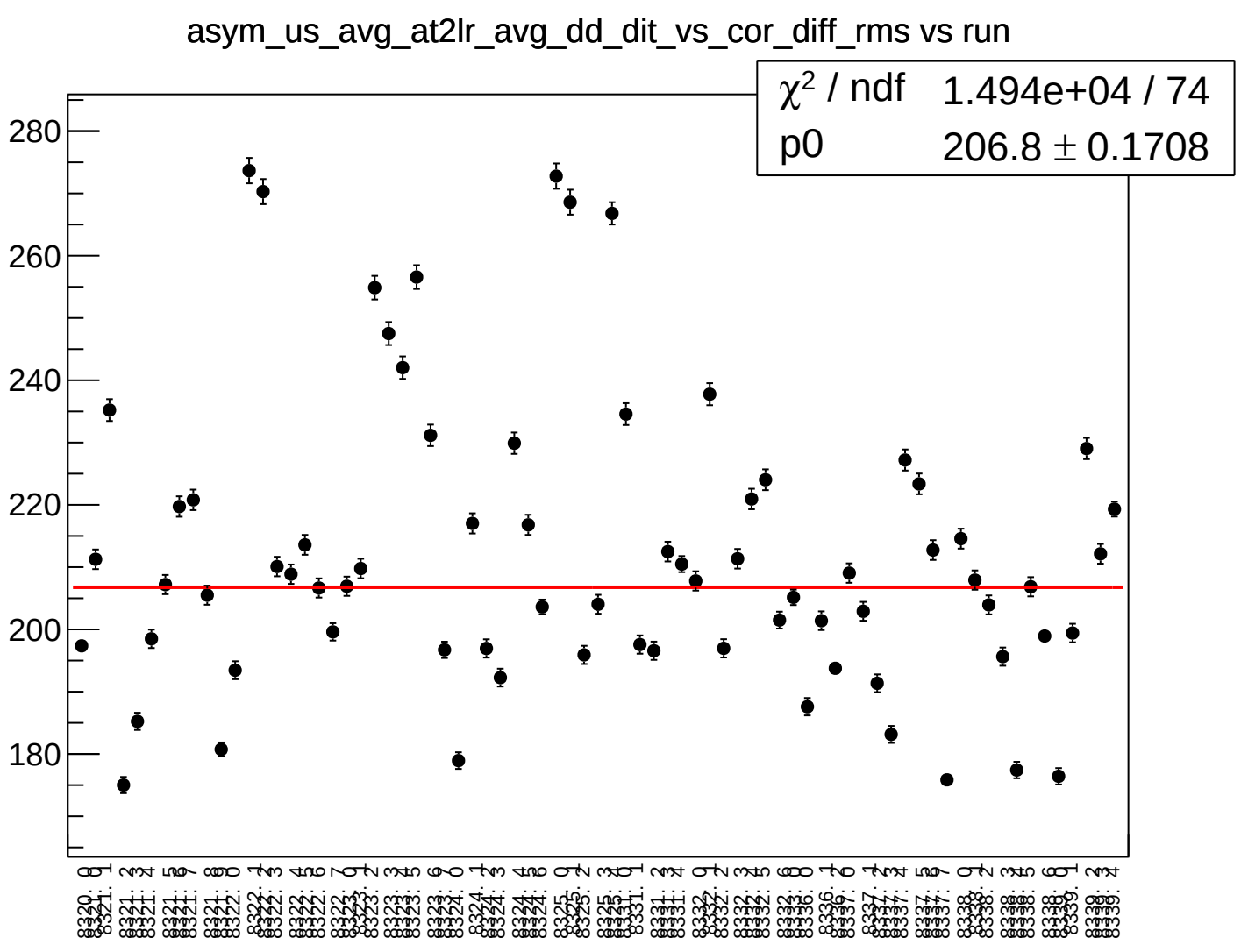

pull1D
Entries 75
Mean −0.00141
Std Dev 1.003

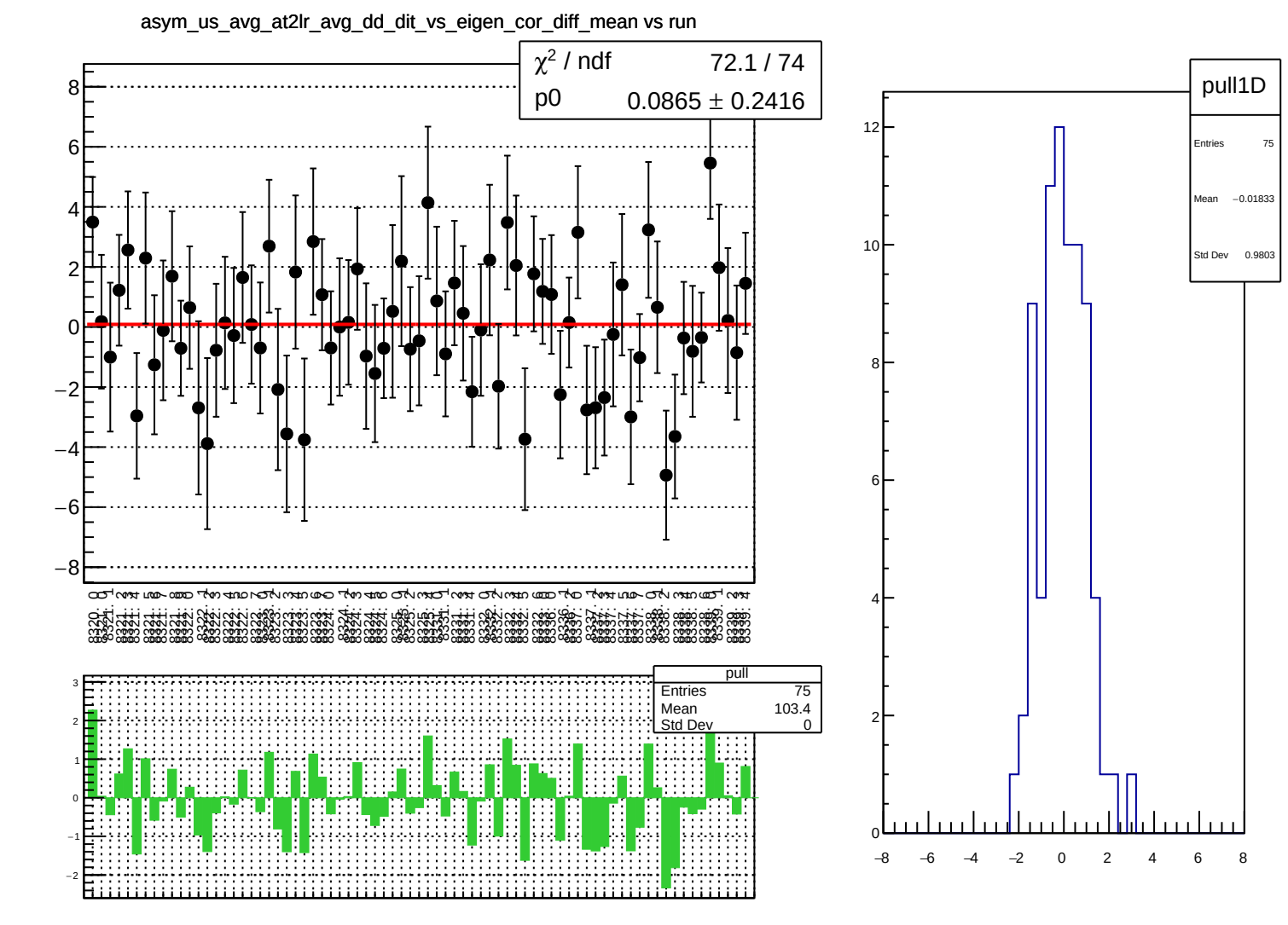

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1882 / 74
p0 1.021e+04 ± 8.401
11500
11000
10500
10000
9500

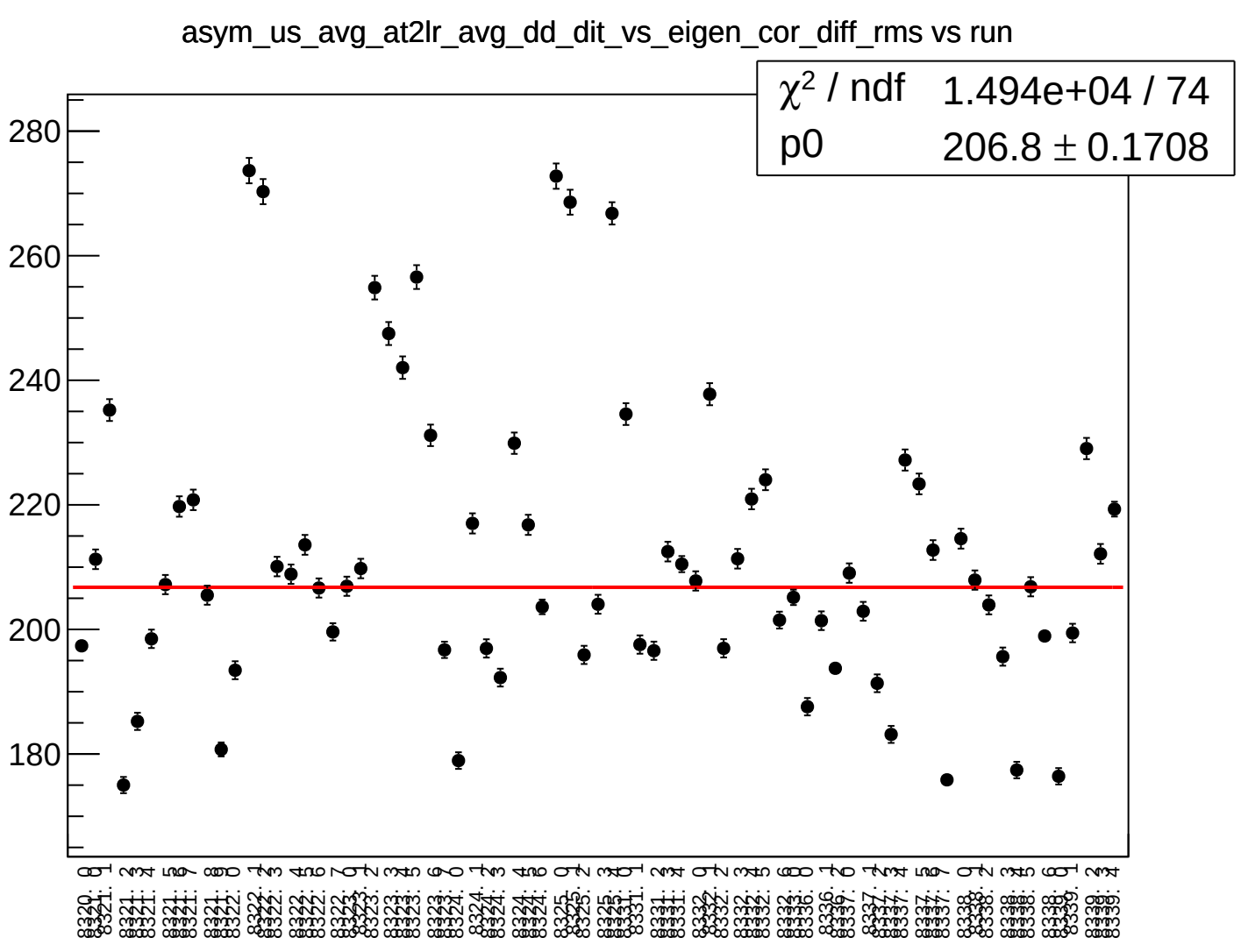

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 92.05 / 74
p0 −1.104e−12 ± 1.174e−12
0.04
0.03
0.02
0.01
0
−0.01
pull
Entries 75
Mean 55.82
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.186
Std Dev 1.092
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

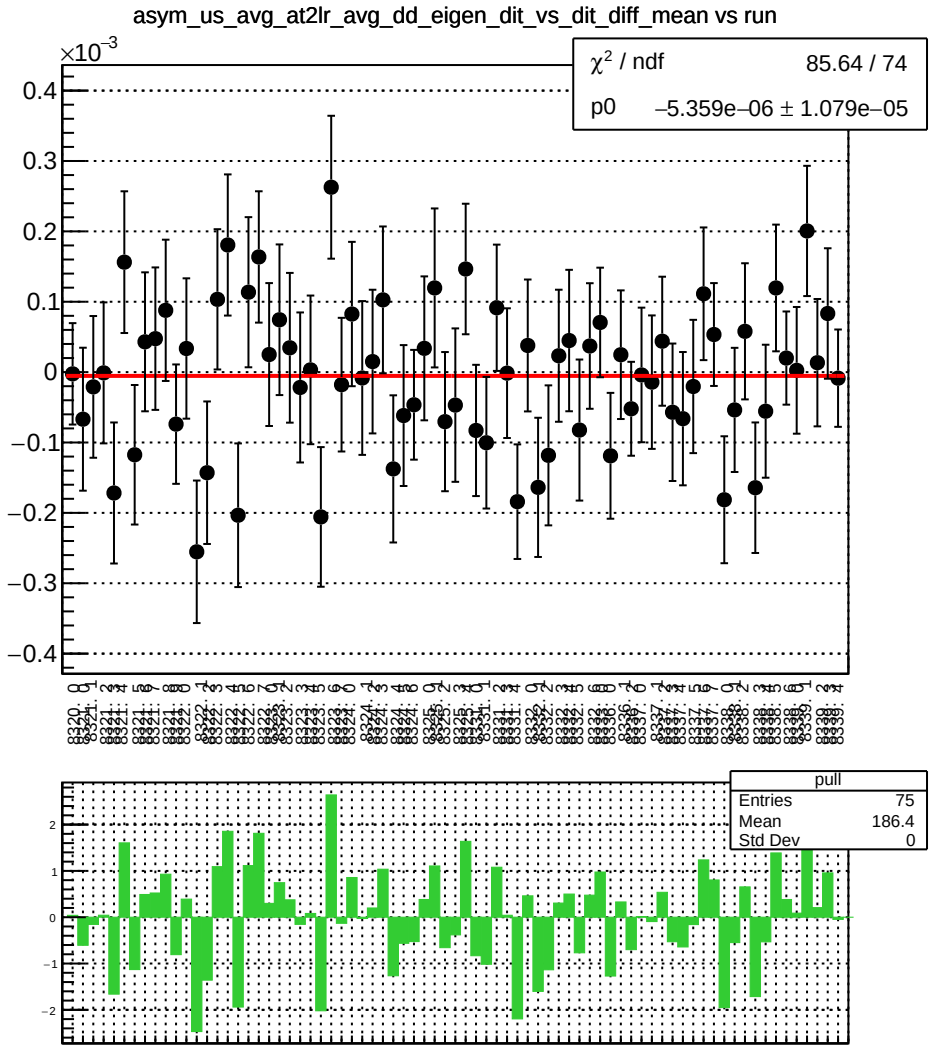

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.412e+05 / 74
p0 6.637e−10 ± 8.303e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

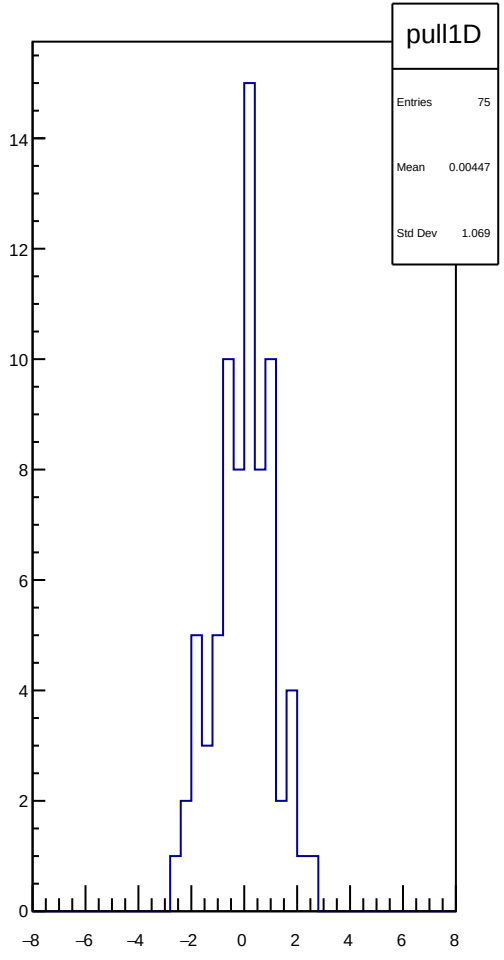

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 72.1 / 74
p0 0.0865 ± 0.2416
pull
Entries 75
Mean 103.4
Std Dev 0
pull1D
Entries 75
Mean −0.01833
Std Dev 0.9803

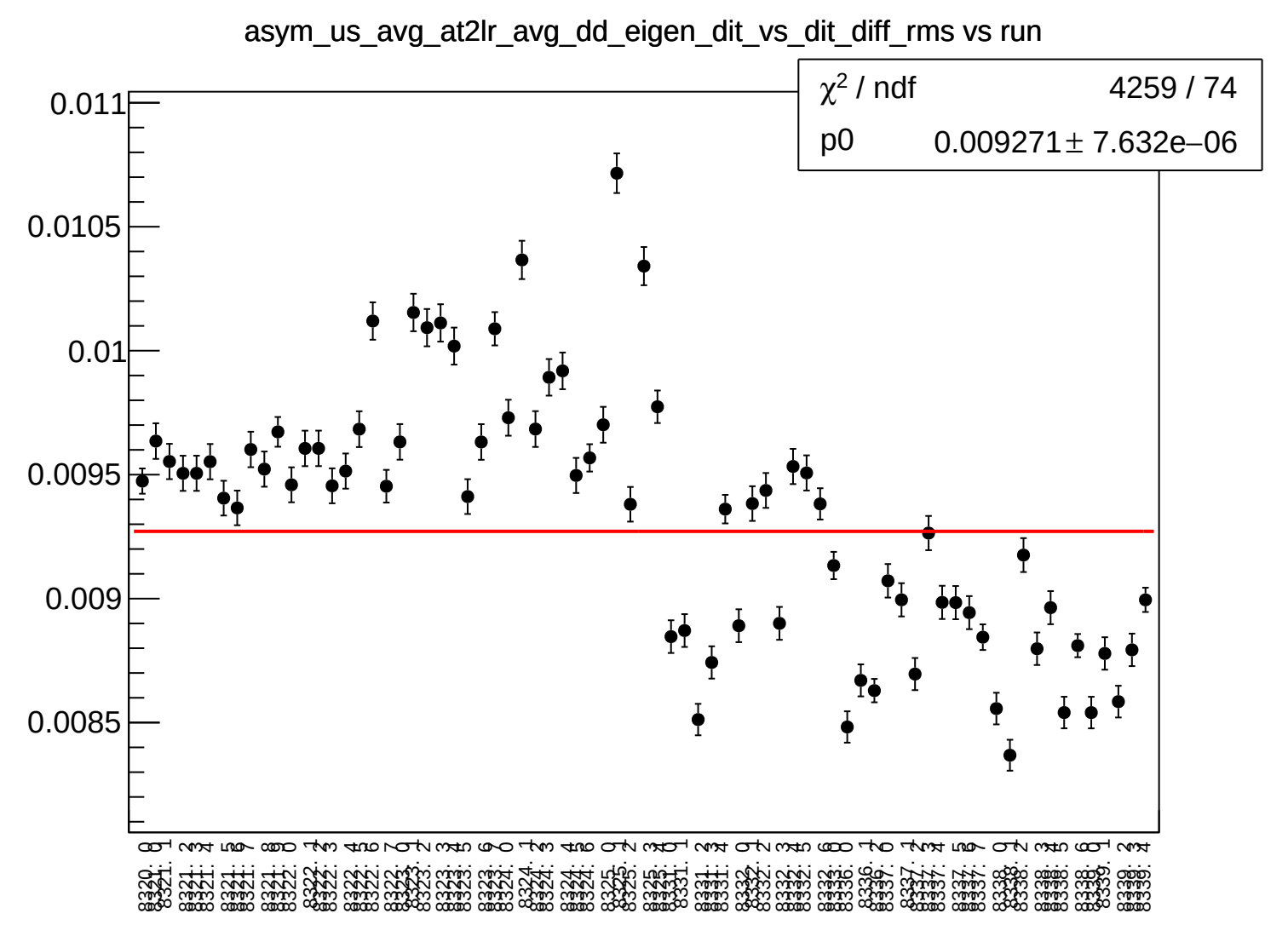

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.494e+04 / 74
p0 206.8 ± 0.1708
280
260
240
220
200
180

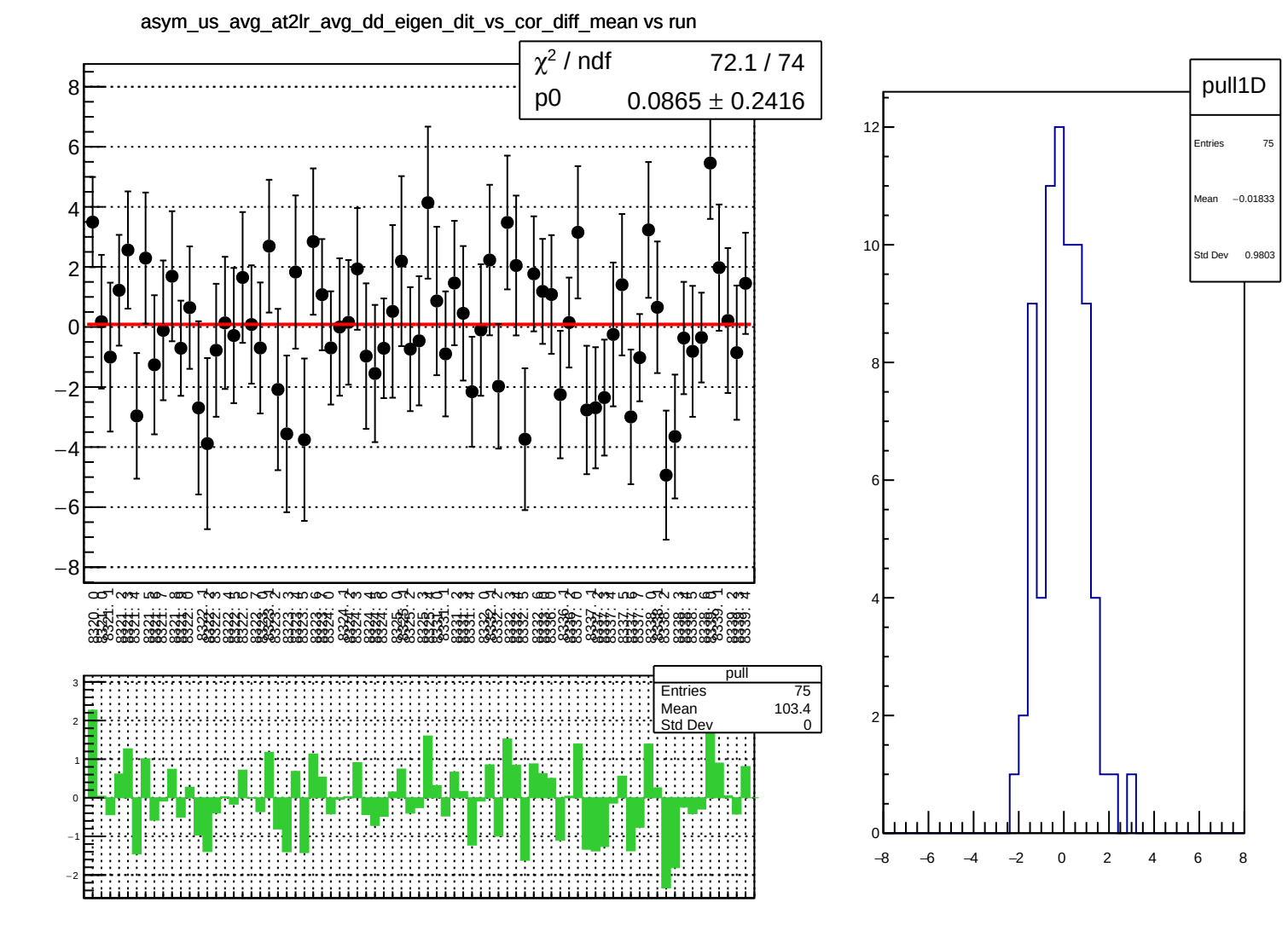

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.1 / 74
p0 0.0865 ± 0.2416
pull
Entries 75
Mean 103.4
Std Dev 0
pull1D
Entries 75
Mean −0.01833
Std Dev 0.9803

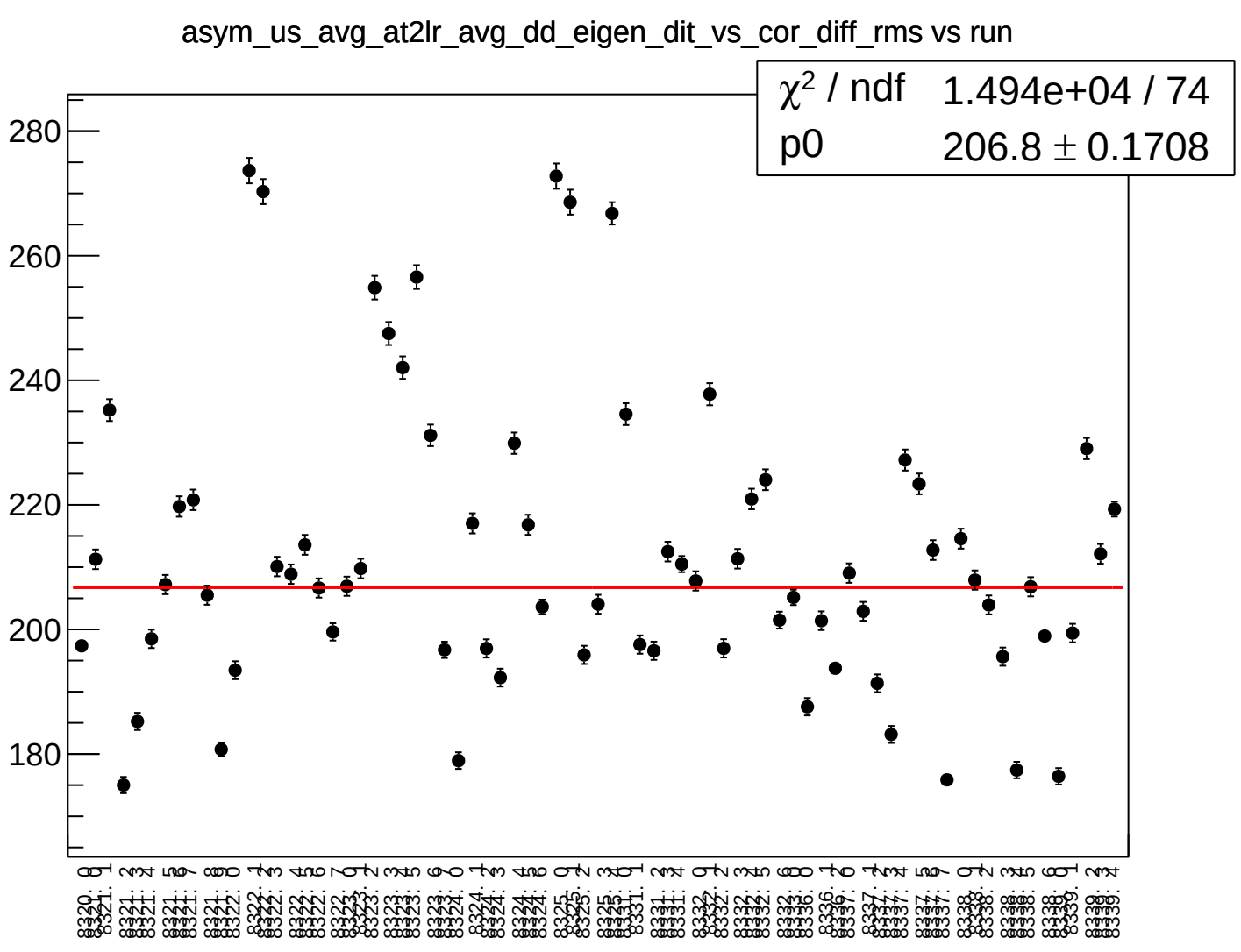

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.494e+04 / 74
p0 206.8 ± 0.1708
280
260
240
220
200
180

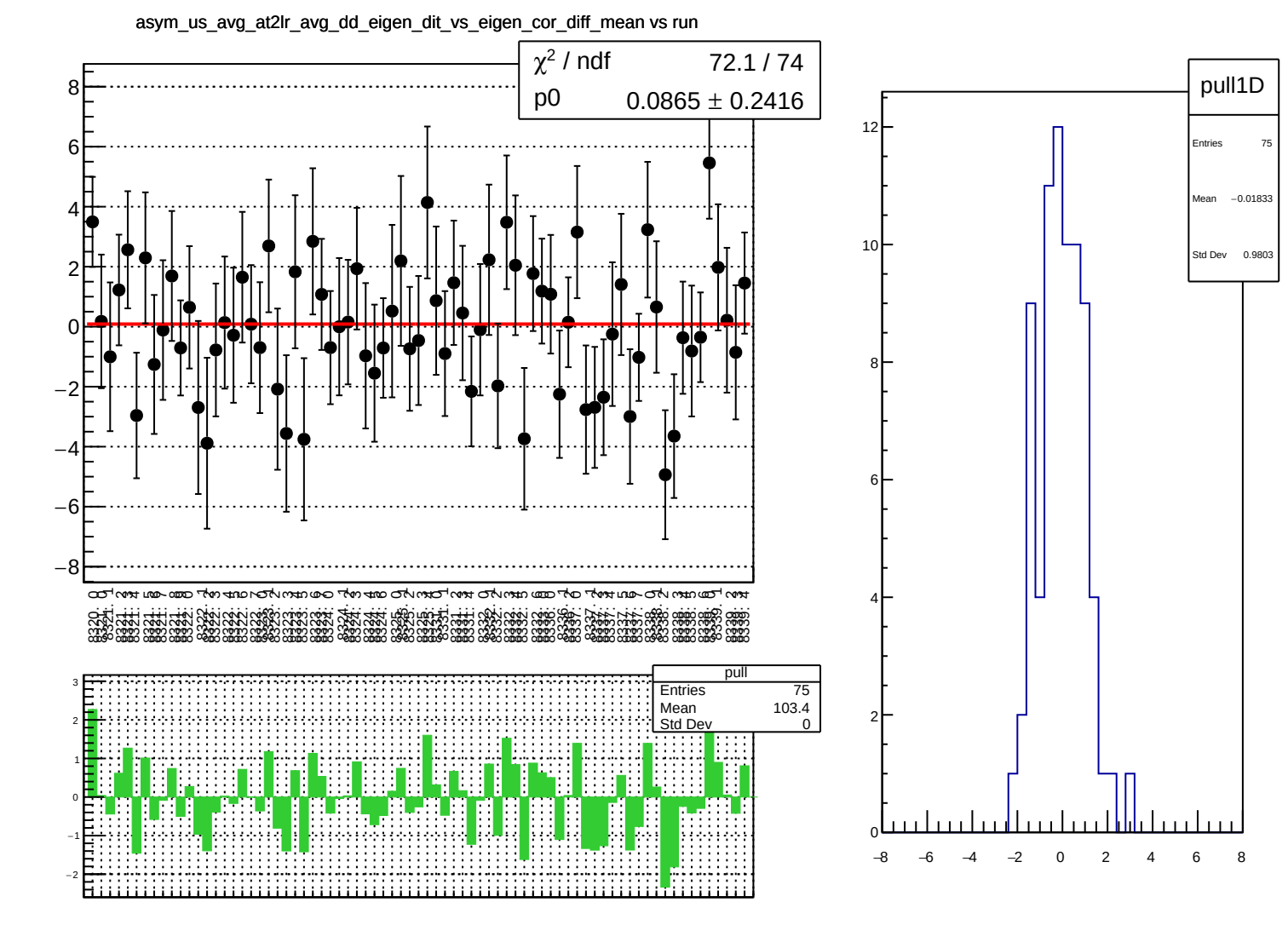

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.64 / 74
p0 −5.359e−06 ± 1.079e−05
pull
Entries 75
Mean 186.4
Std Dev 0

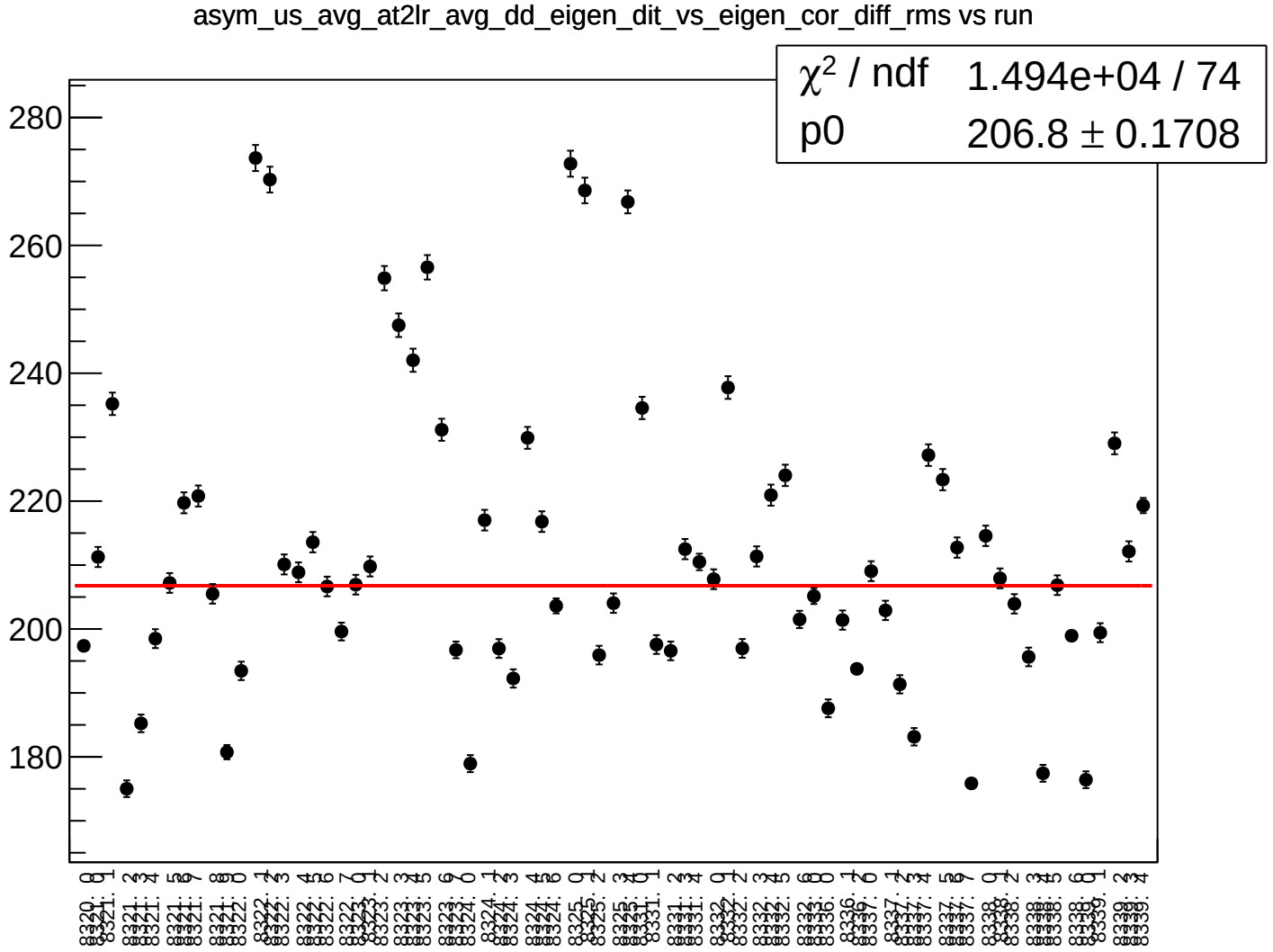

pull1D
Entries 75
Mean 0.00447
Std Dev 1.069

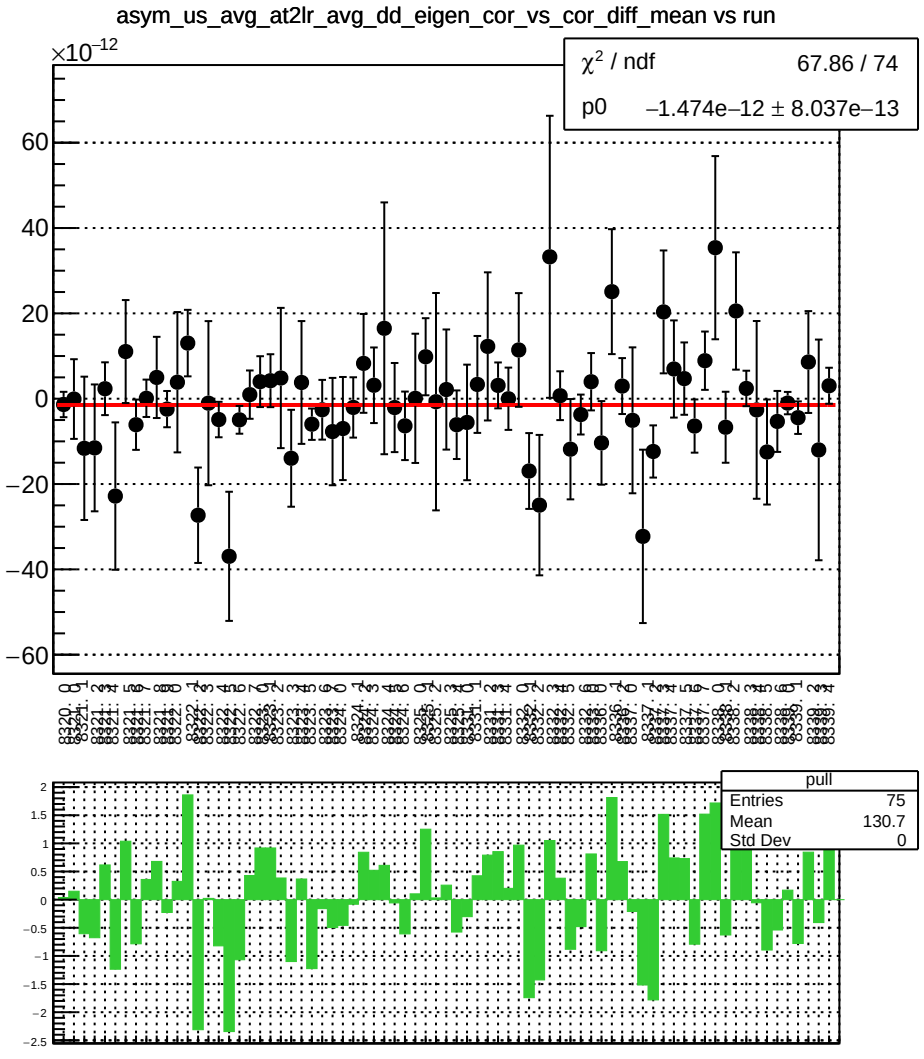

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4259 / 74
p0 0.009271 ± 7.632e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085

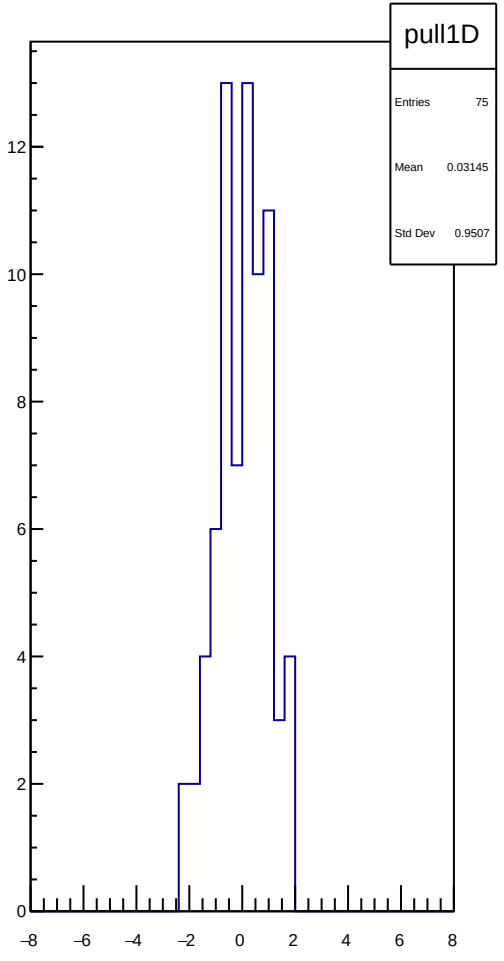

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 72.1 / 74
p0 0.0865 ± 0.2416
pull
Entries 75
Mean 103.4
Std Dev 0
pull1D
Entries 75
Mean −0.01833
Std Dev 0.9803

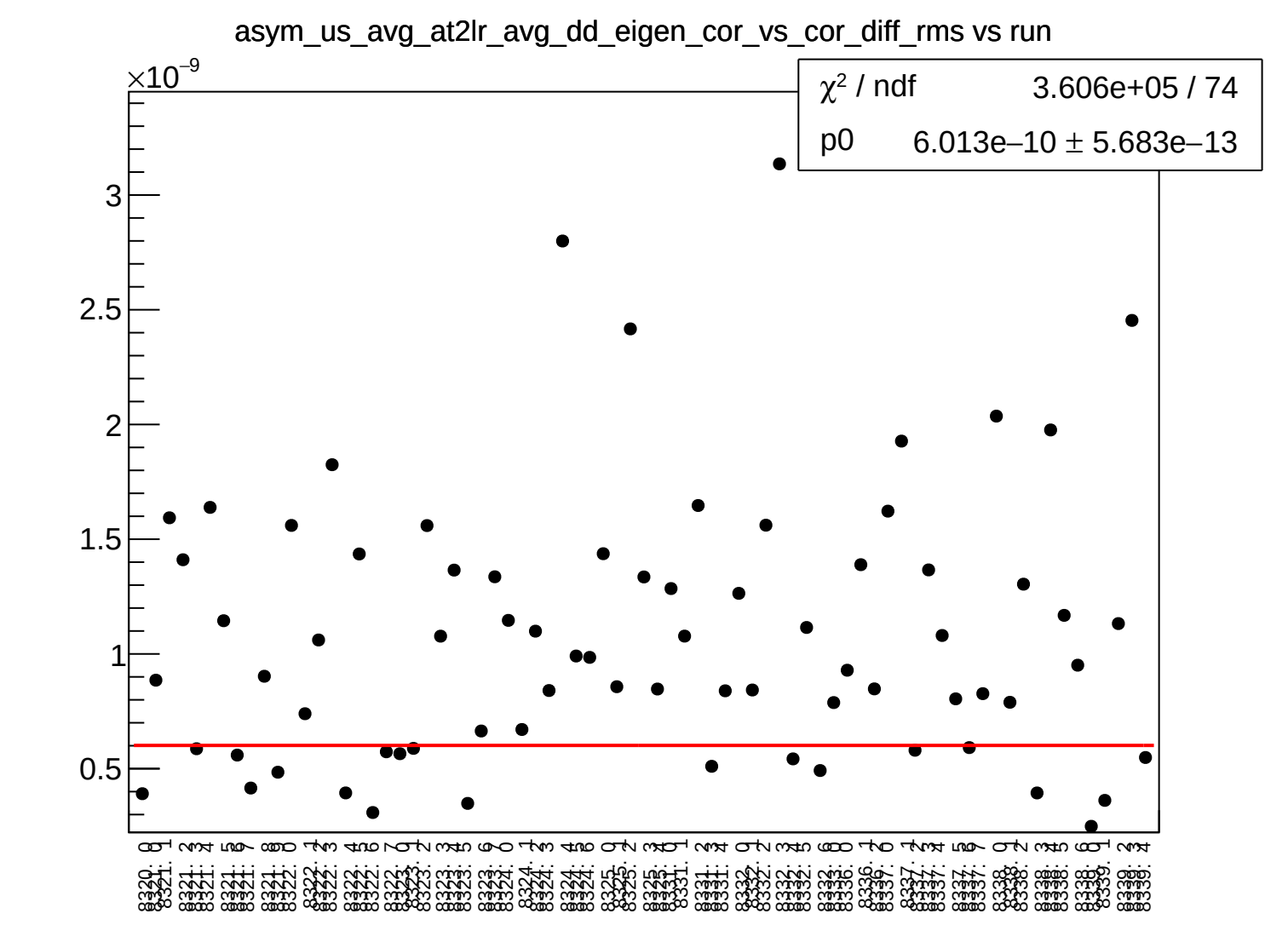

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.494e+04 / 74
p0 206.8 ± 0.1708
280
260
240
220
200
180

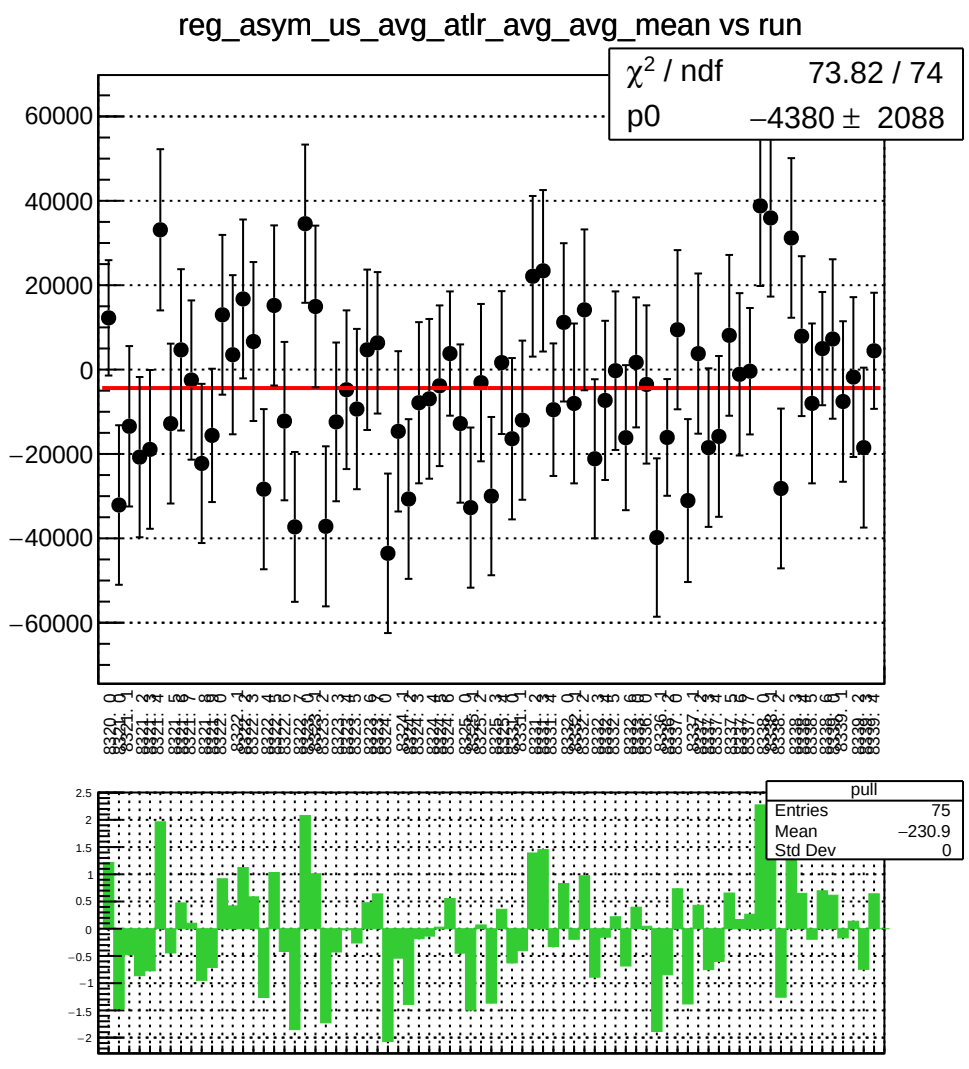

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 72.1 / 74
p0 0.0865 ± 0.2416
pull
Entries 75
Mean 103.4
Std Dev 0
pull1D
Entries 75
Mean −0.01833
Std Dev 0.9803

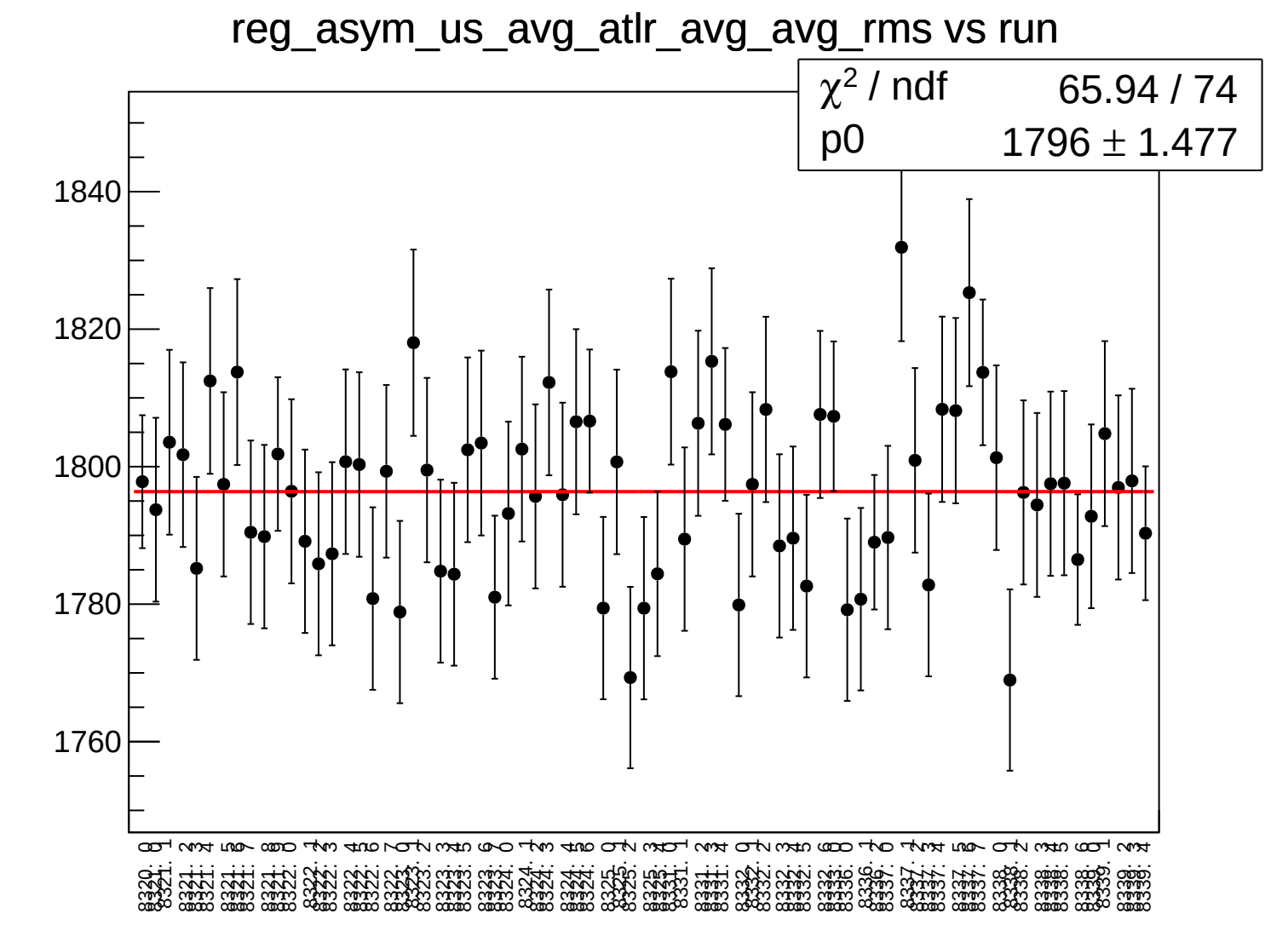

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.494e+04 / 74
p0 206.8 ± 0.1708
280
260
240
220
200
180

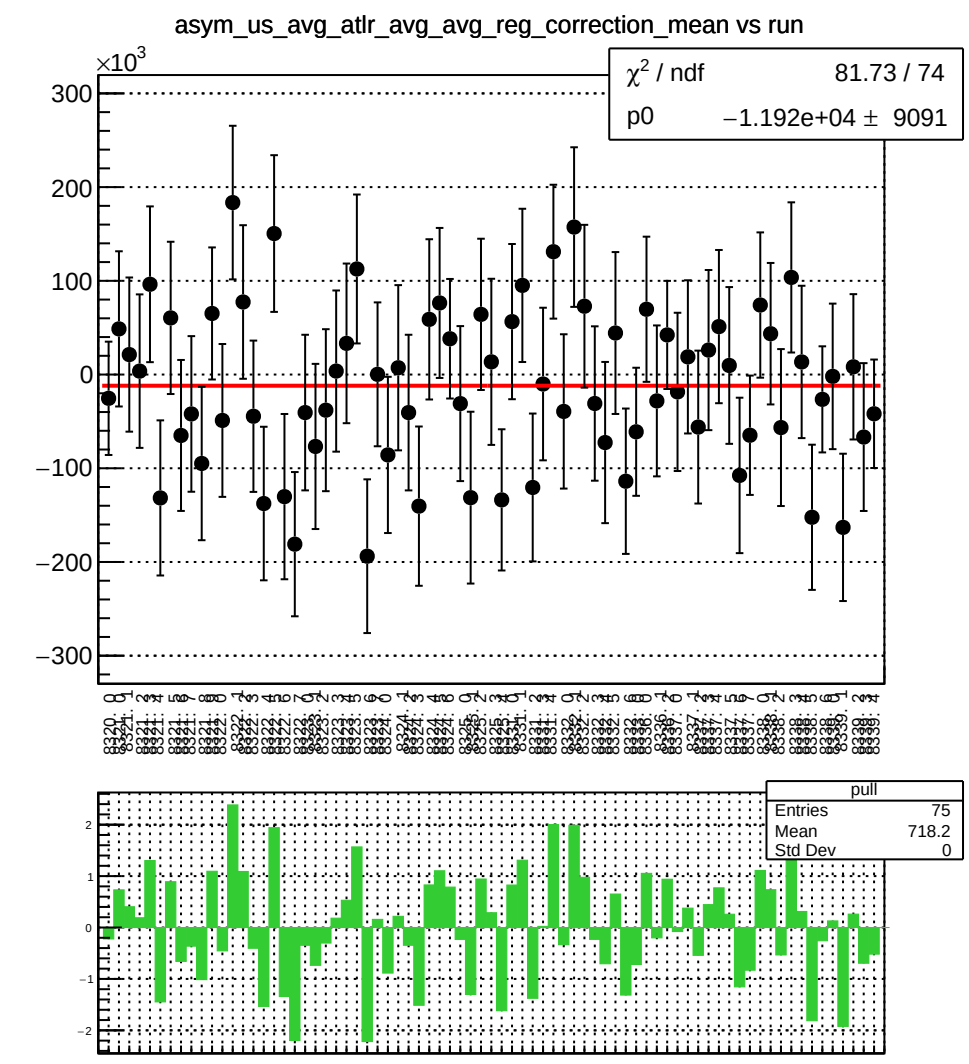

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.86 / 74
p0 −1.474e−12 ± 8.037e−13
pull
Entries 75
Mean 130.7
Std Dev 0

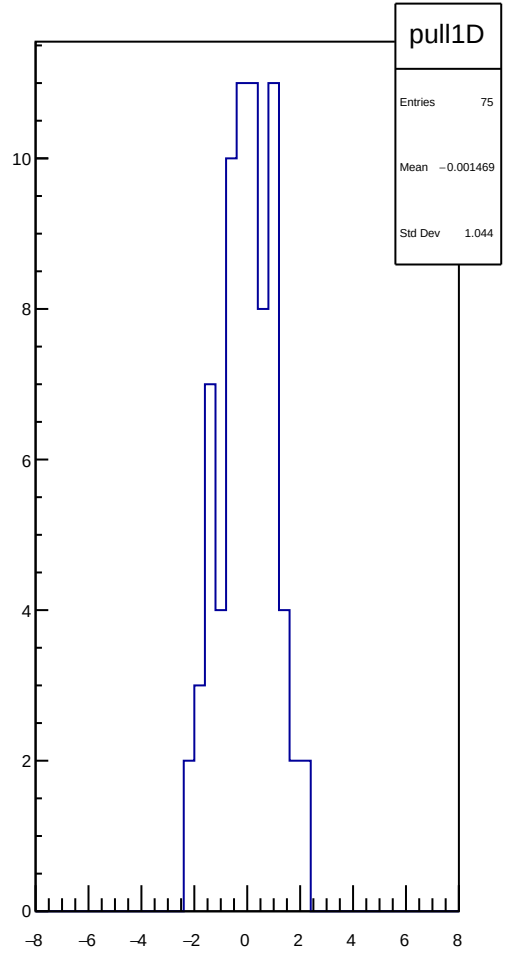

pull1D
Entries 75
Mean 0.03145
Std Dev 0.9507

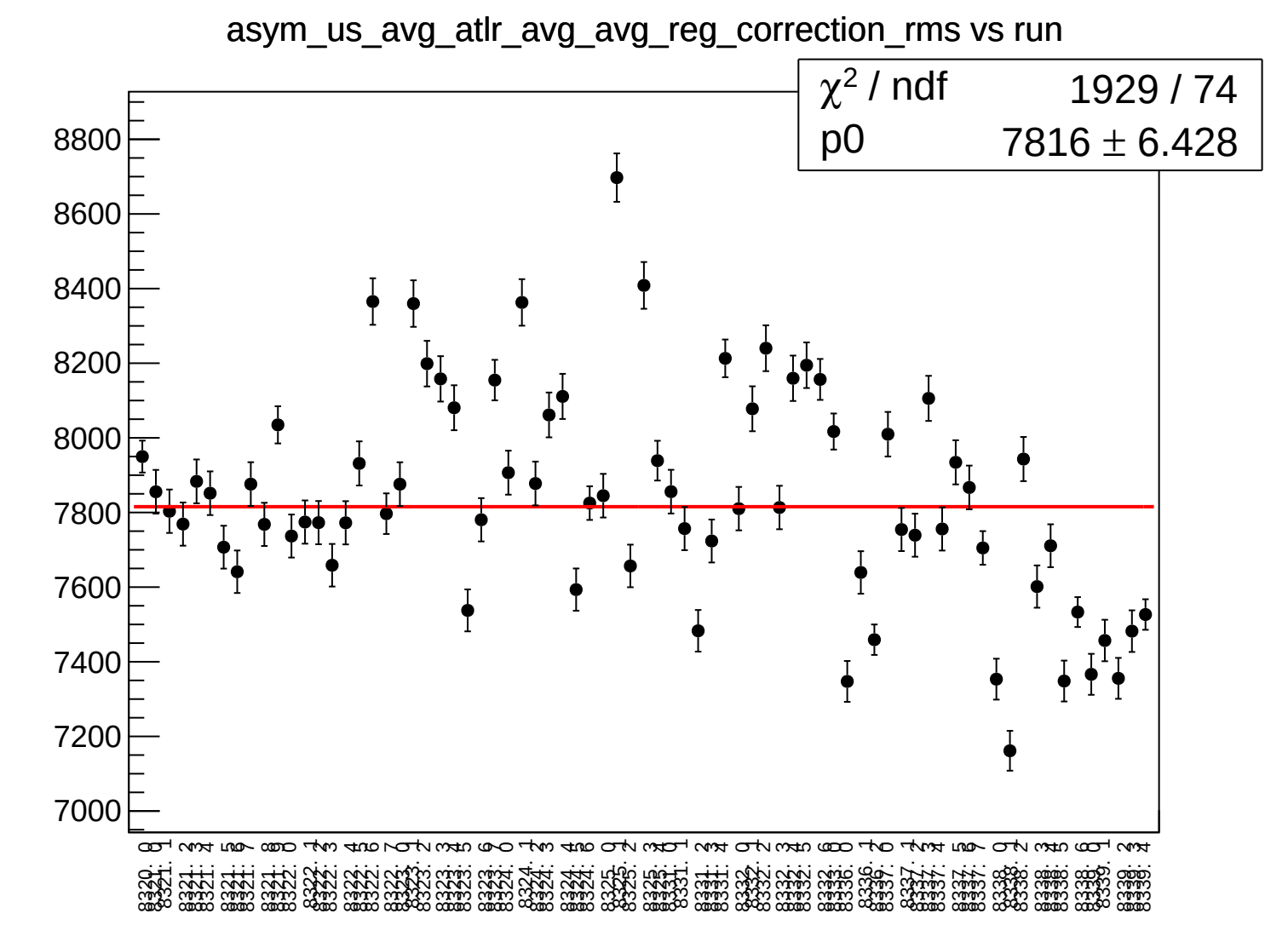

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.606e+05 / 74
p0 6.013e−10 ± 5.683e−13
3
2.5
2
1.5
1
0.5

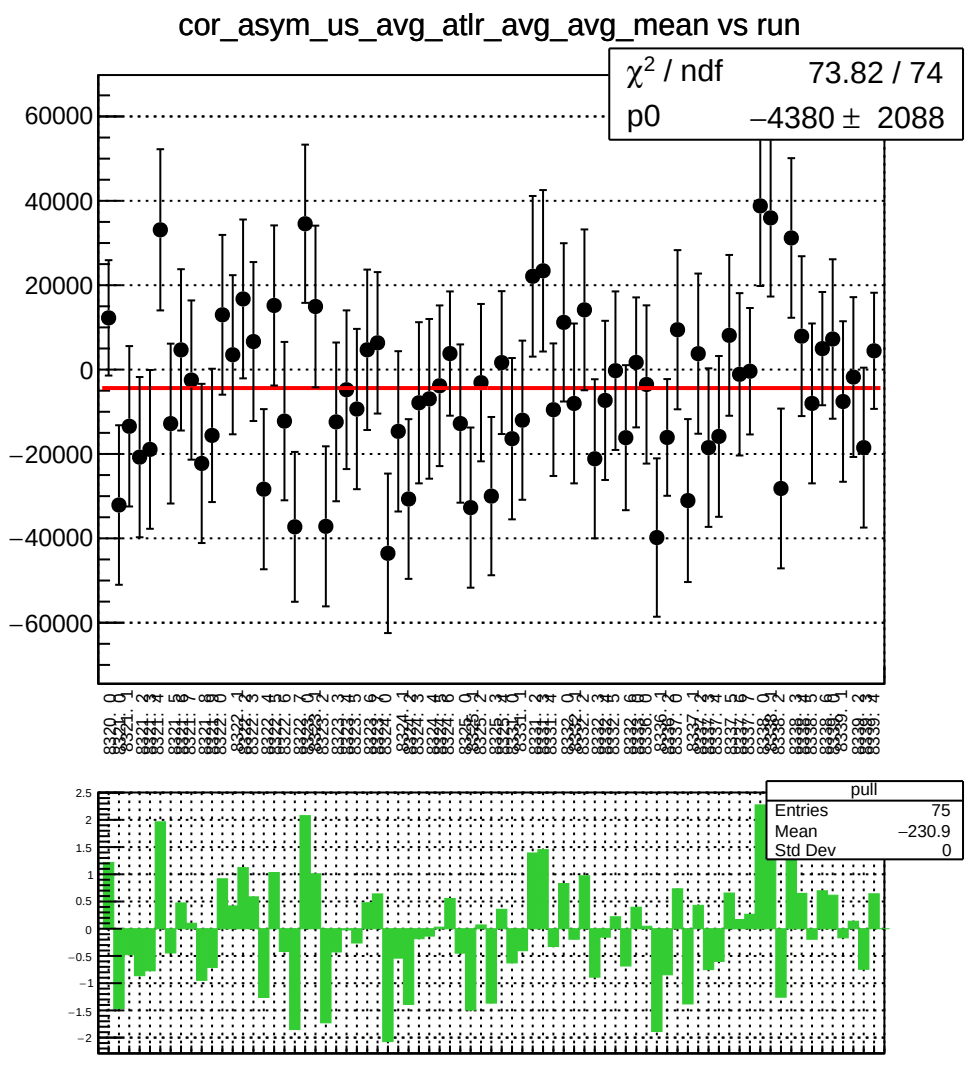

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 73.82 / 74
p0 −4380 ± 2088
pull
Entries 75
Mean −230.9
Std Dev 0
pull1D
Entries 75
Mean −0.009577
Std Dev 0.9921

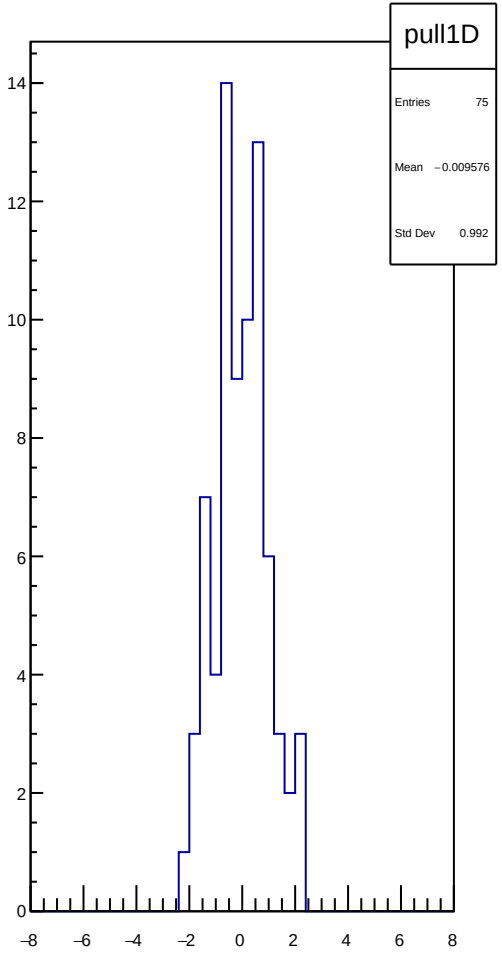

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 65.94 / 74
p0 1796 ± 1.477
1840
1820
1800
1780
1760

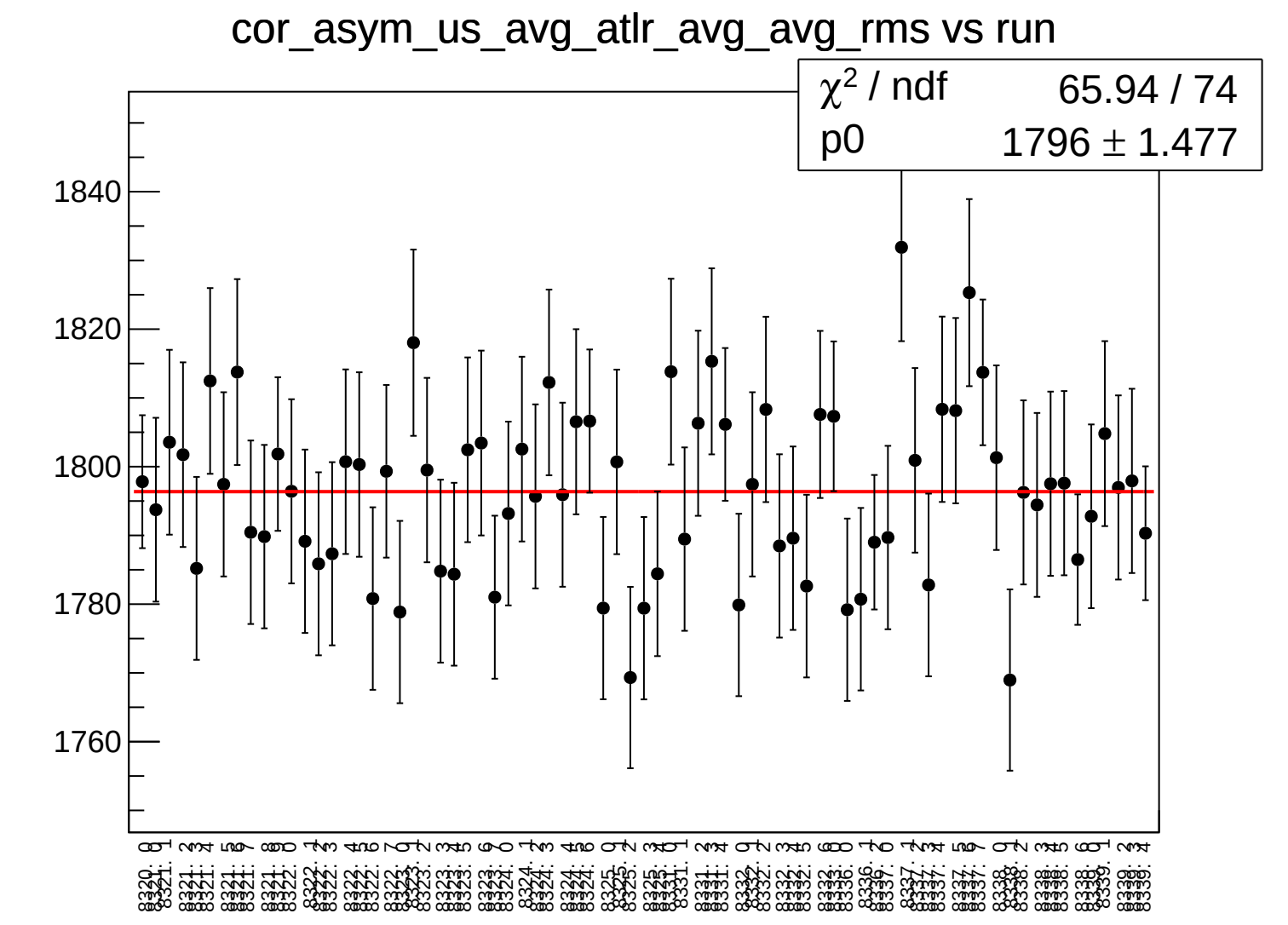

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 81.73 / 74
p0 −1.192e+04 ± 9091
pull
Entries 75
Mean 718.2
Std Dev 0

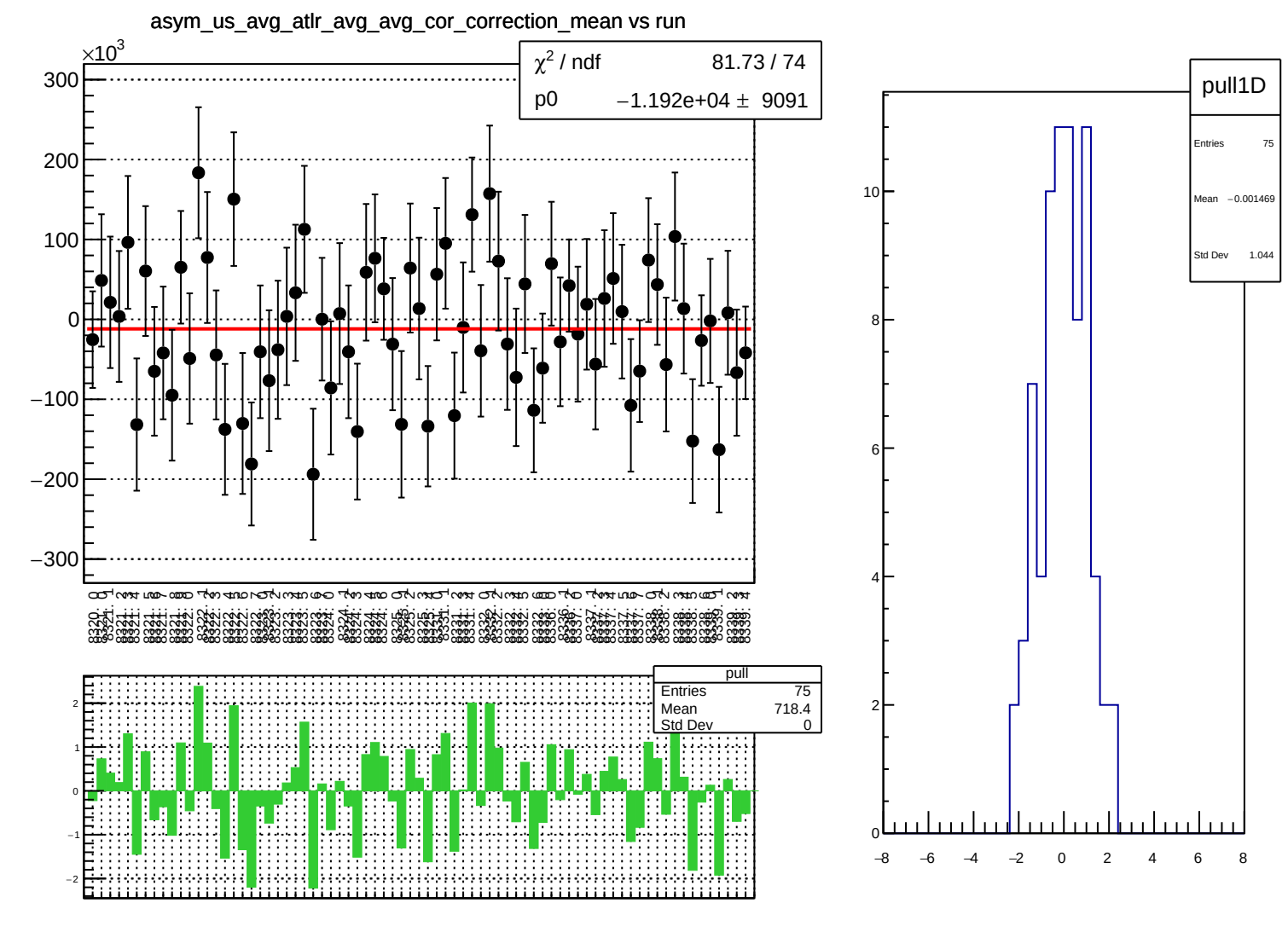

pull1D
Entries 75
Mean −0.001469
Std Dev 1.044

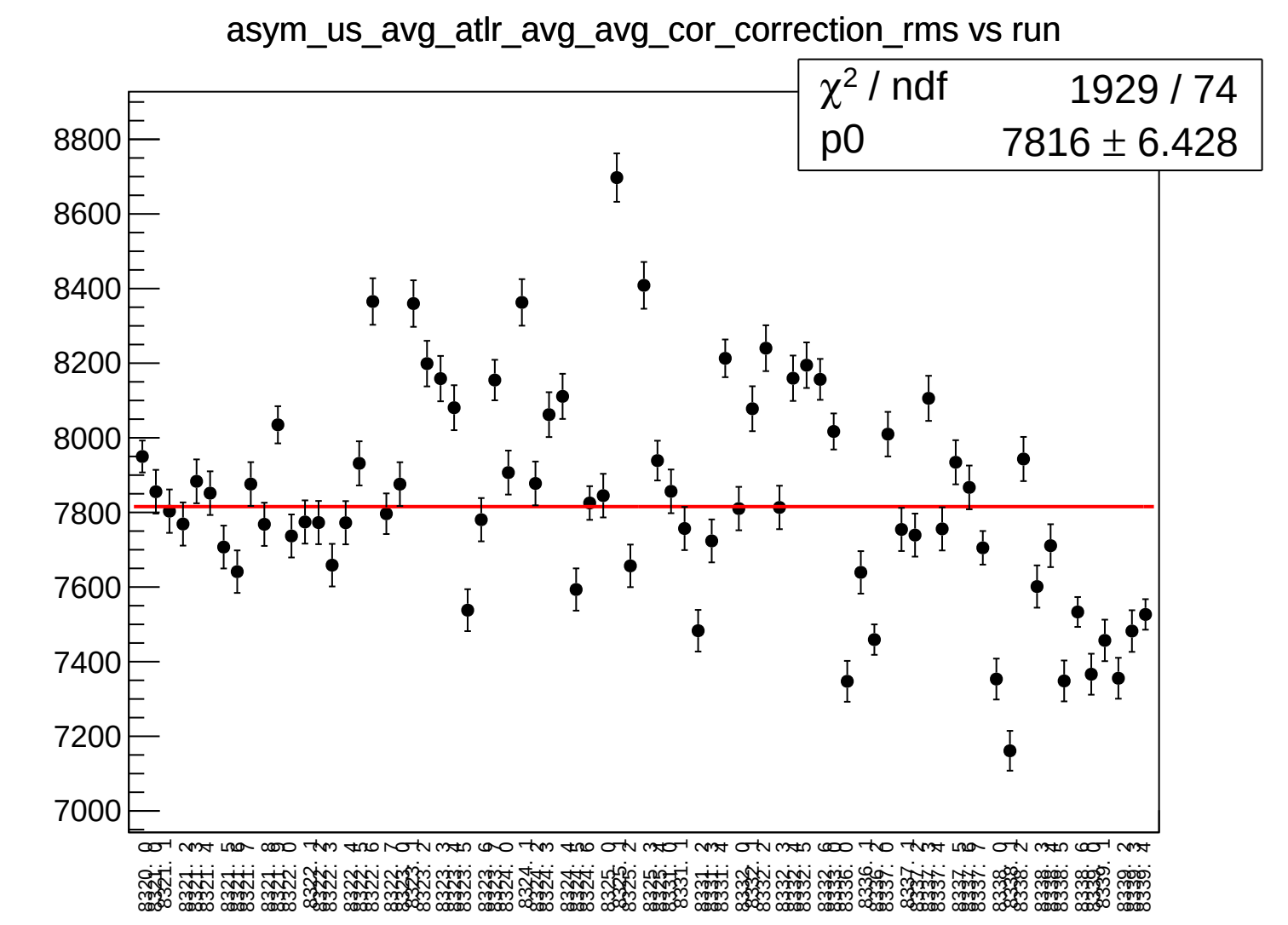

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1929 / 74
p0 7816 ± 6.428
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

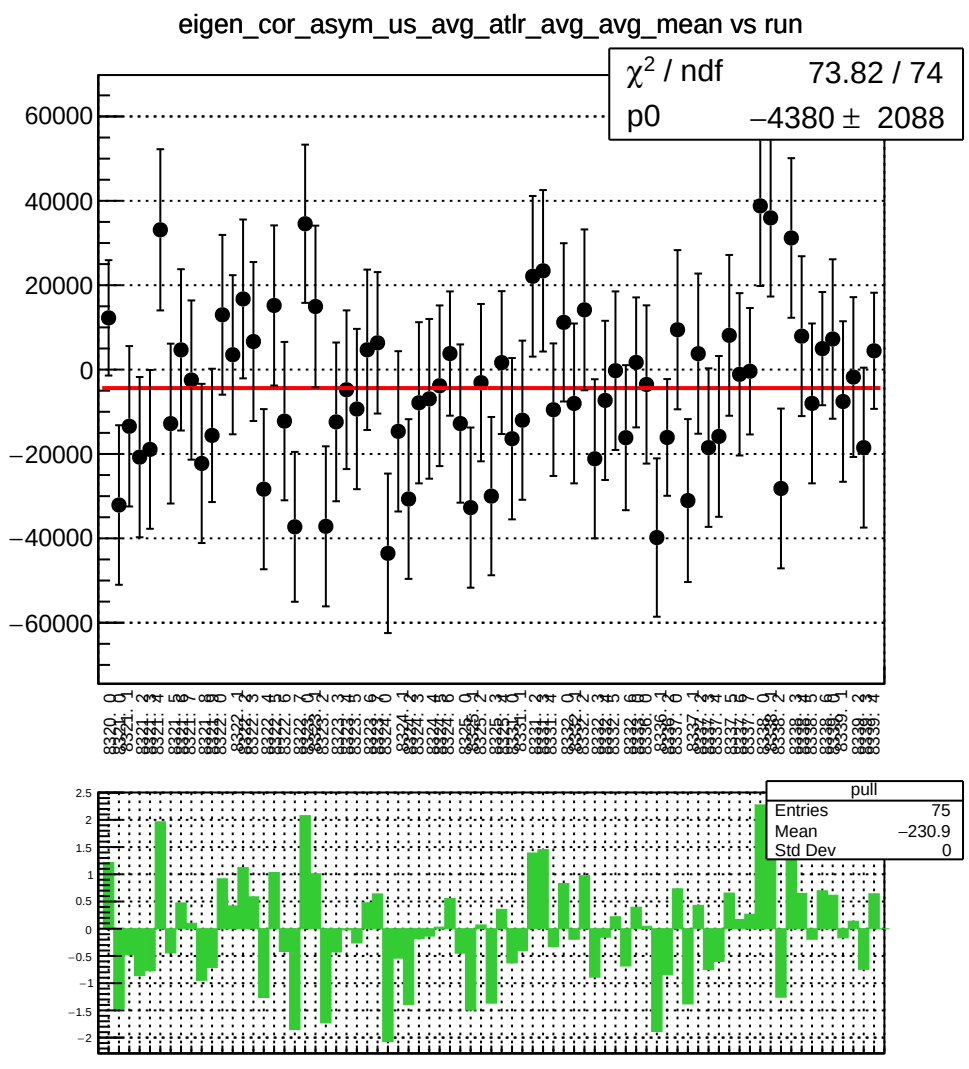

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 73.82 / 74
p0 −4380 ± 2088
pull
Entries 75
Mean −230.9
Std Dev 0

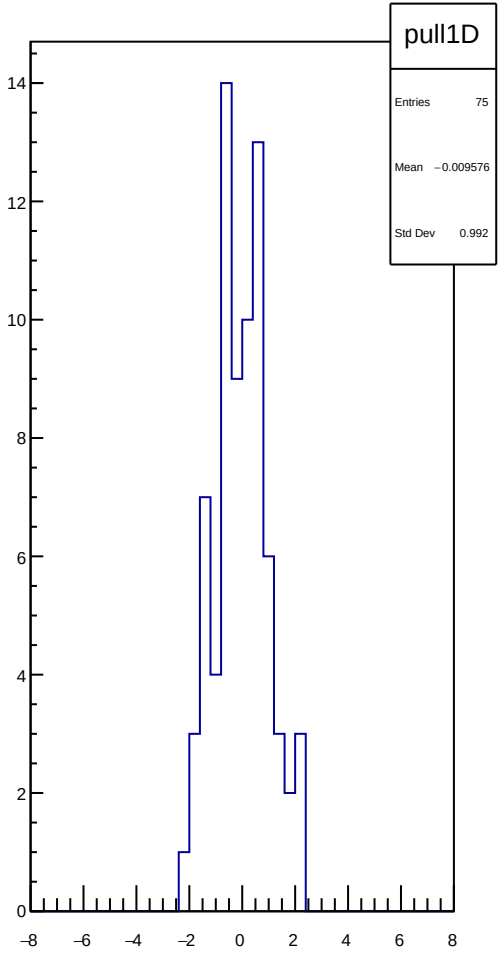

pull1D
Entries 75
Mean −0.009576
Std Dev 0.992

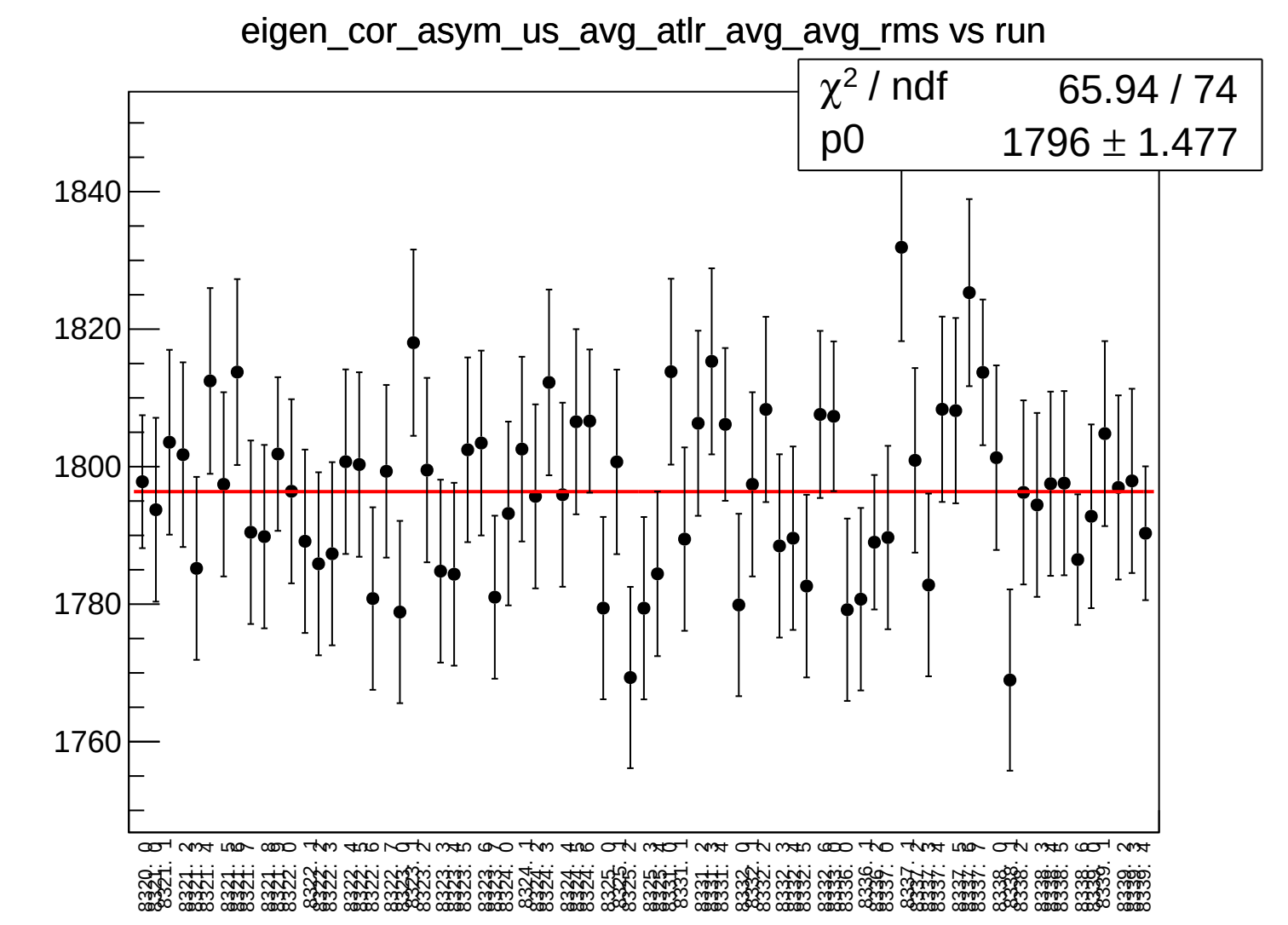

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 65.94 / 74
p0 1796 ± 1.477
1840
1820
1800
1780
1760

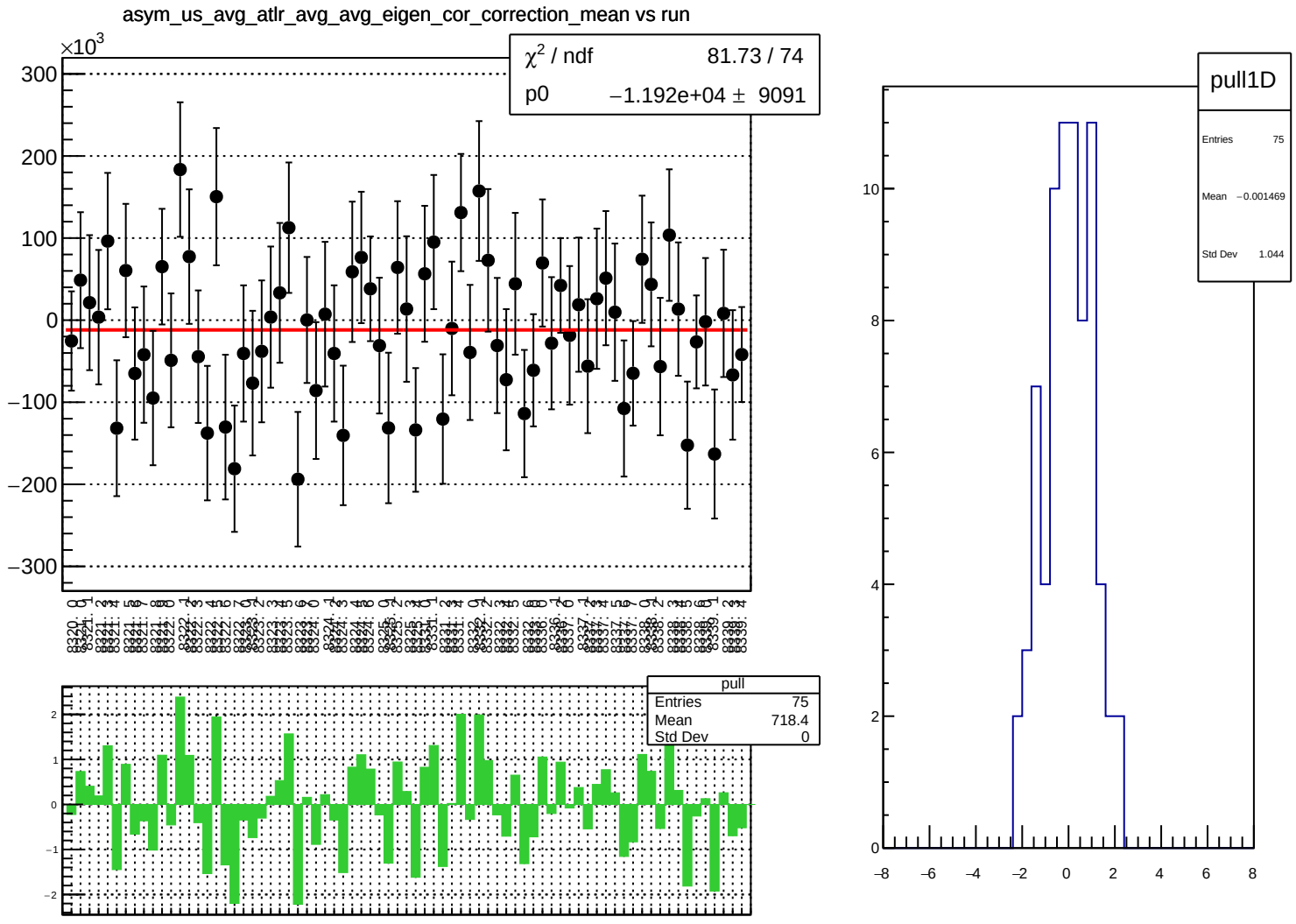

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 81.73 / 74
p0 −1.192e+04 ± 9091
pull
Entries 75
Mean 718.4
Std Dev 0
pull1D
Entries 75
Mean −0.001469
Std Dev 1.044

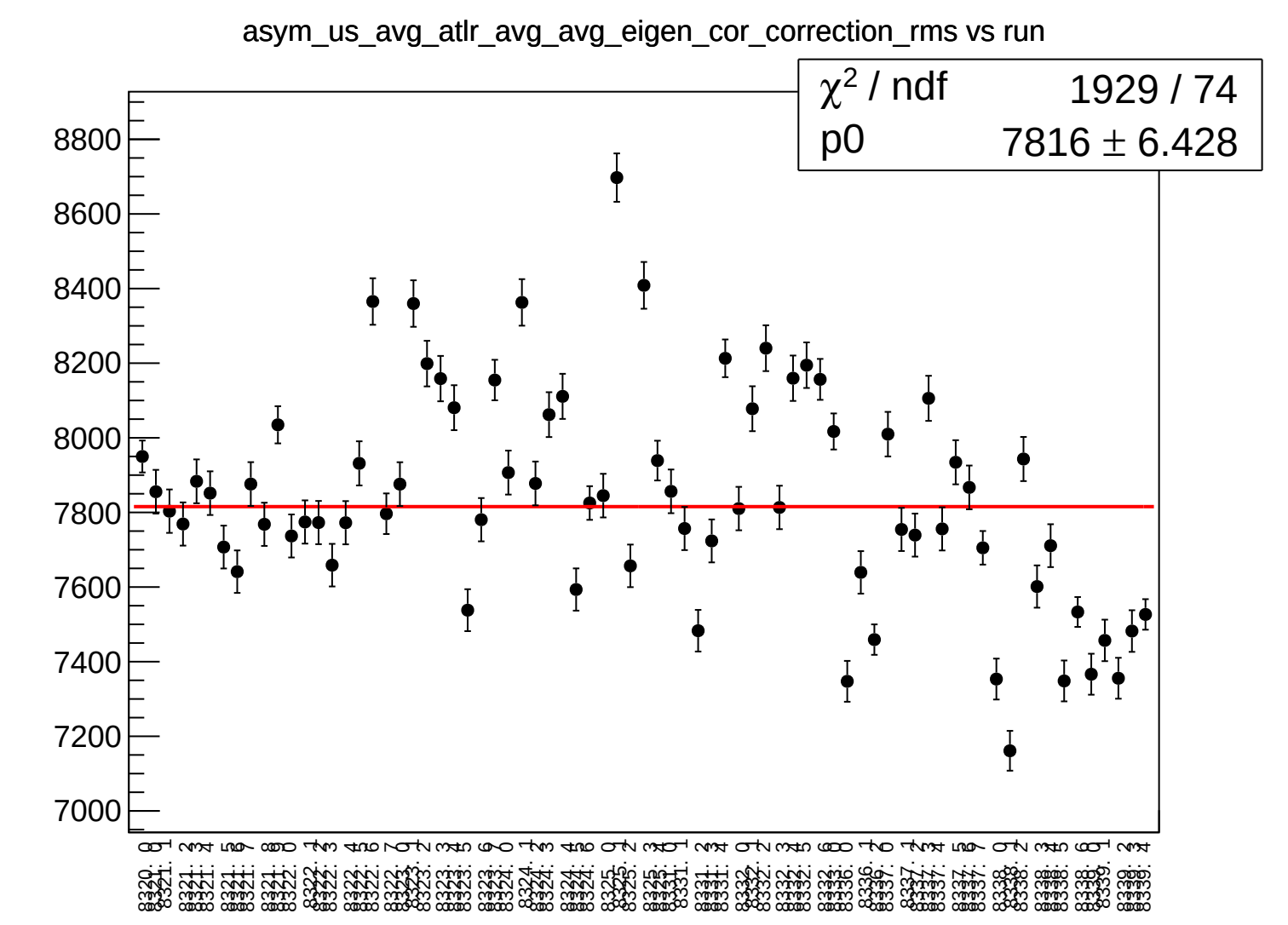

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1929 / 74
p0 7816 ± 6.428
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

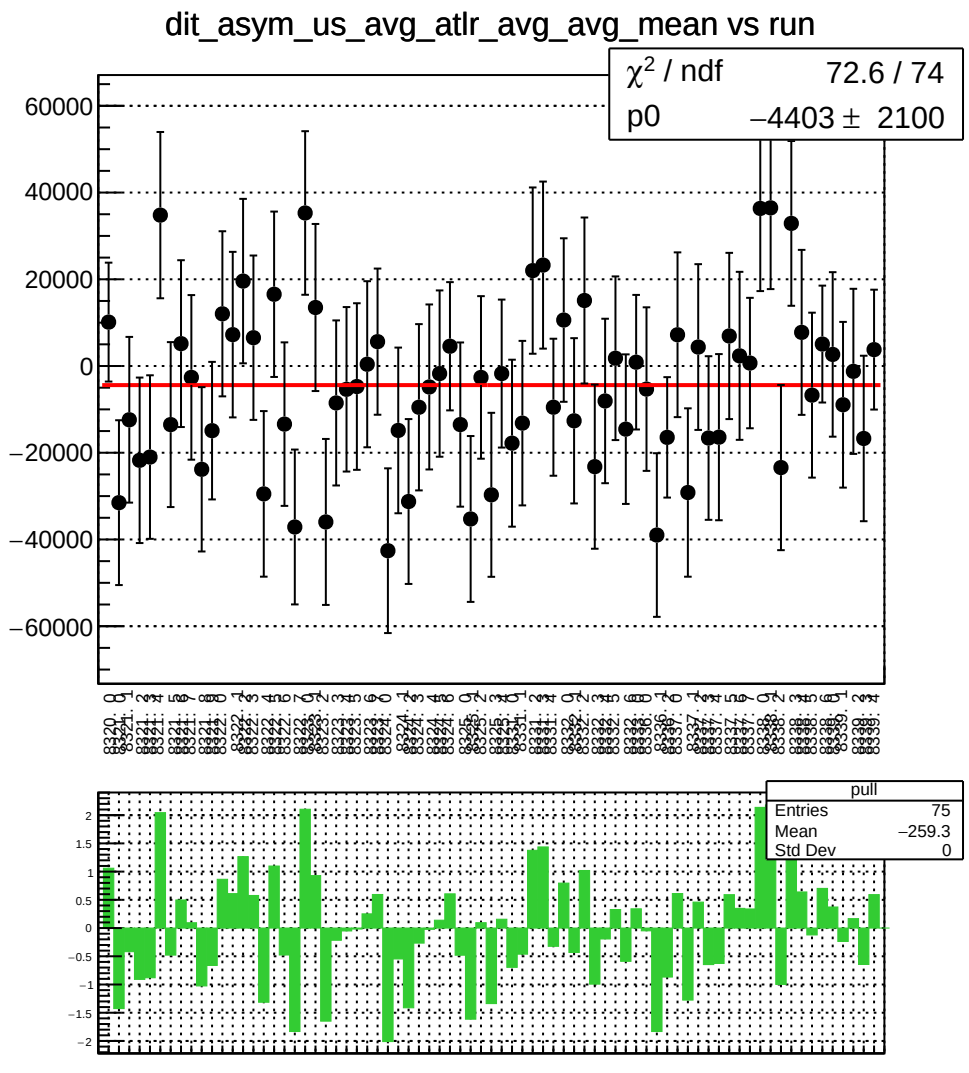

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 73.82 / 74
p0 −4380 ± 2088
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −230.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

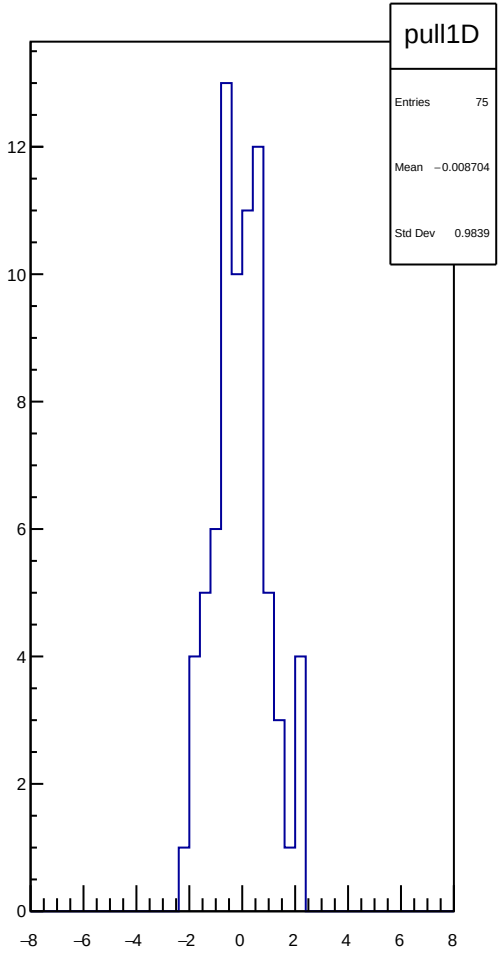

pull1D
Entries 75
Mean −0.009576
Std Dev 0.992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

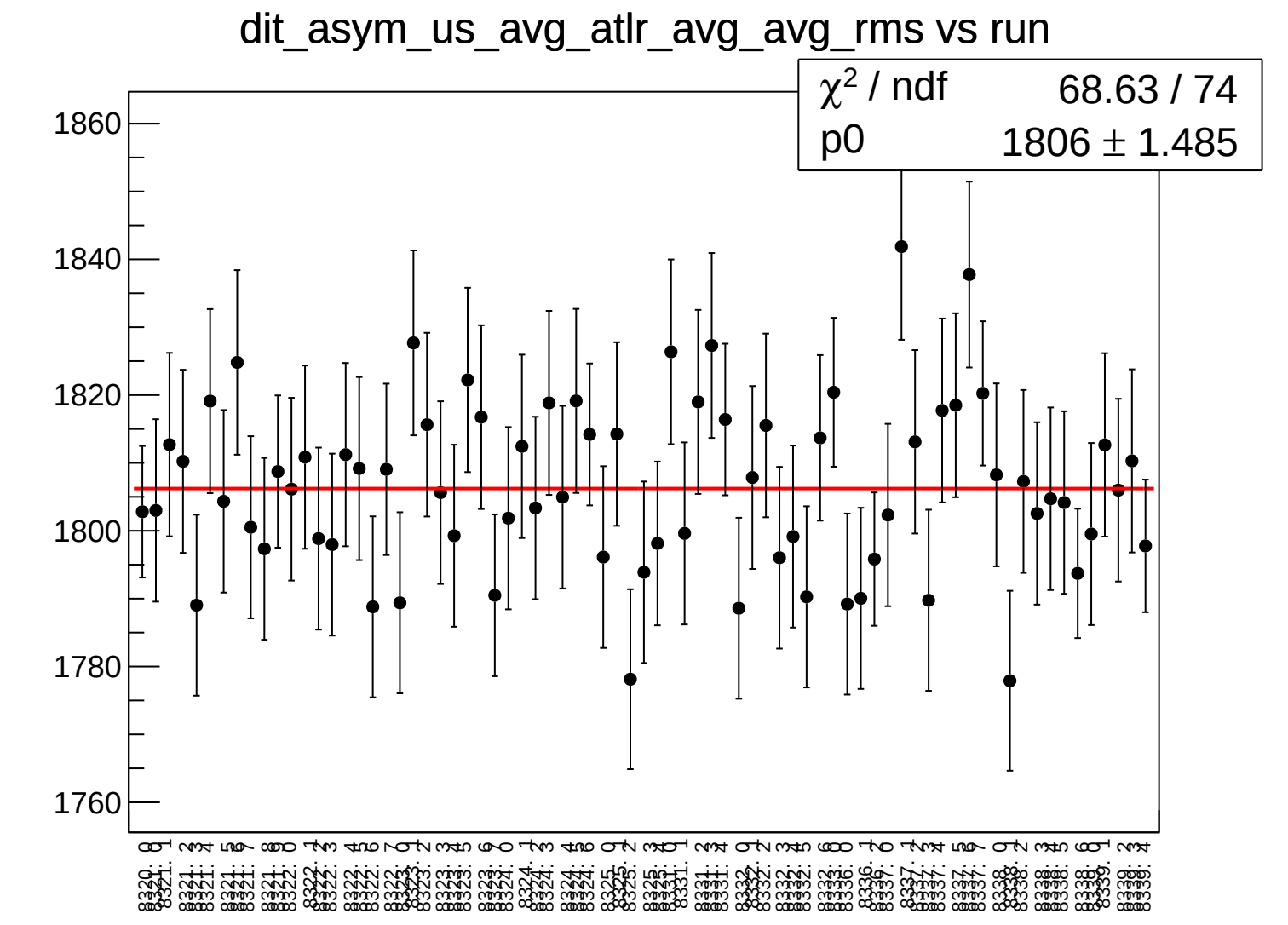

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 65.94 / 74
p0 1796 ± 1.477
1840
1820
1800
1780
1760

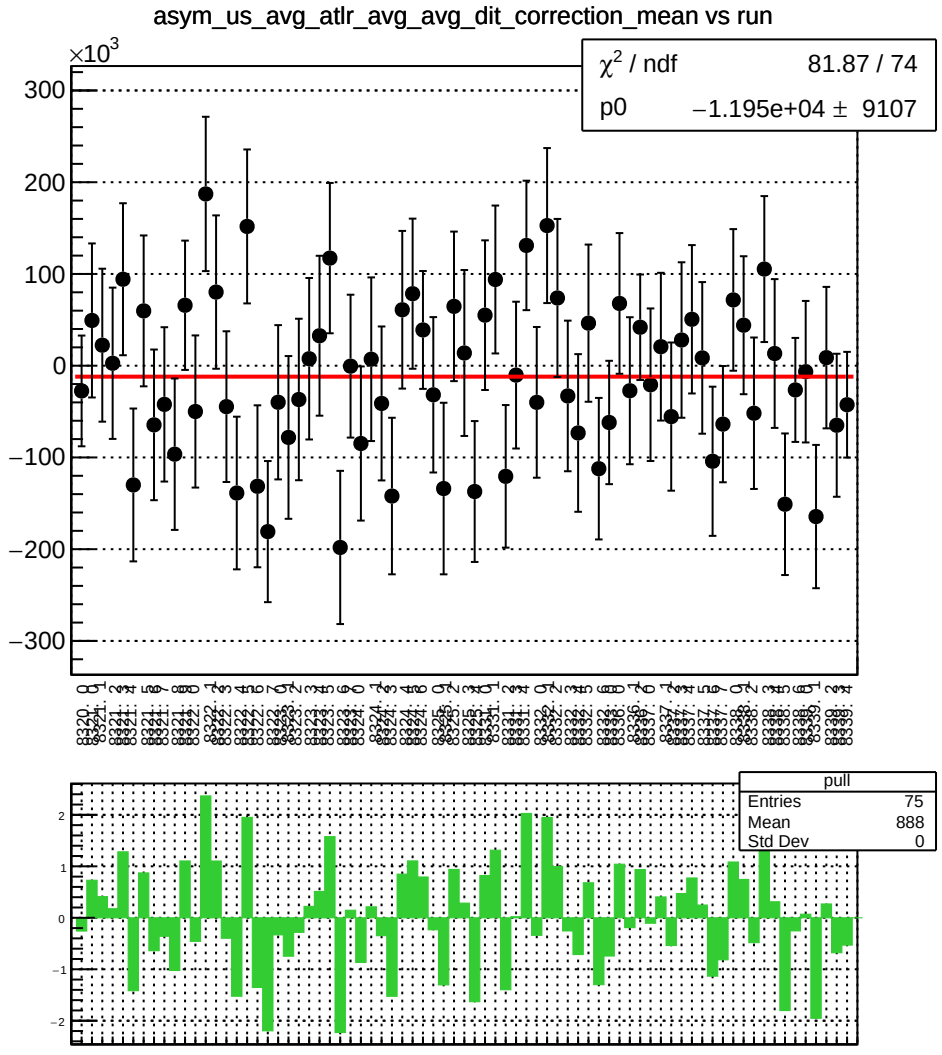

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.73 / 74
p0 −1.192e+04 ± 9091
pull
Entries 75
Mean 718.4
Std Dev 0
pull1D
Entries 75
Mean −0.001469
Std Dev 1.044

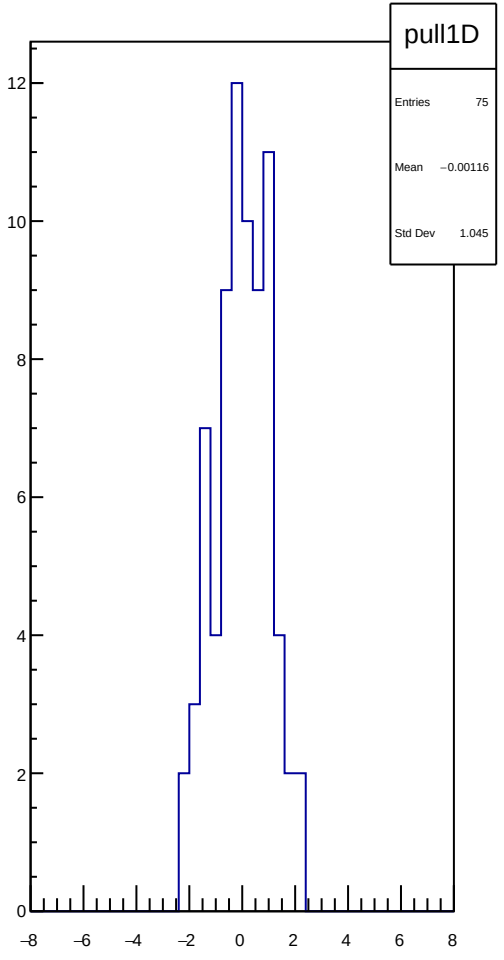

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1929 / 74
p0 7816 ± 6.428
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

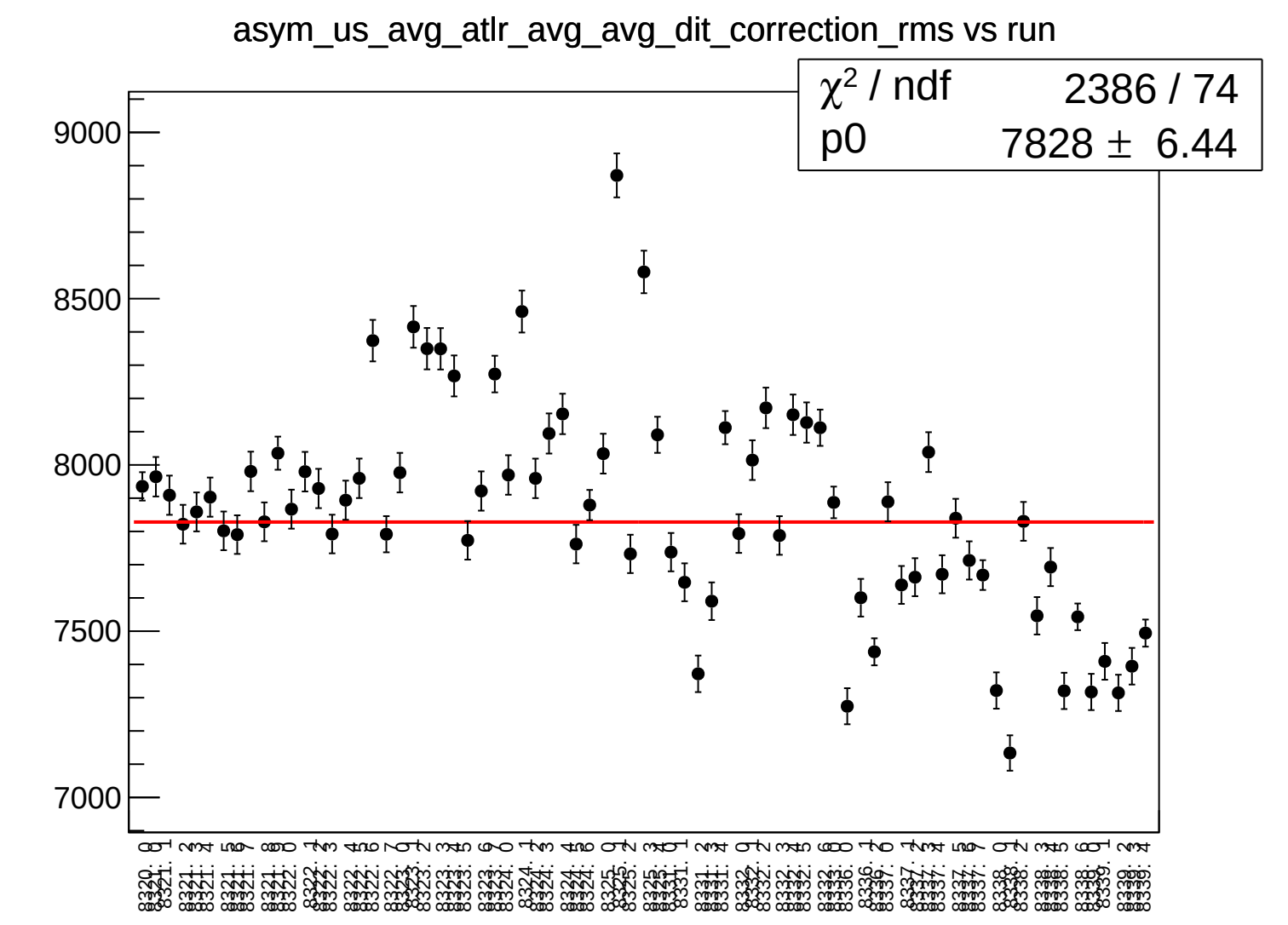

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 72.6 / 74
p0 −4403 ± 2100
pull
Entries 75
Mean −259.3
Std Dev 0

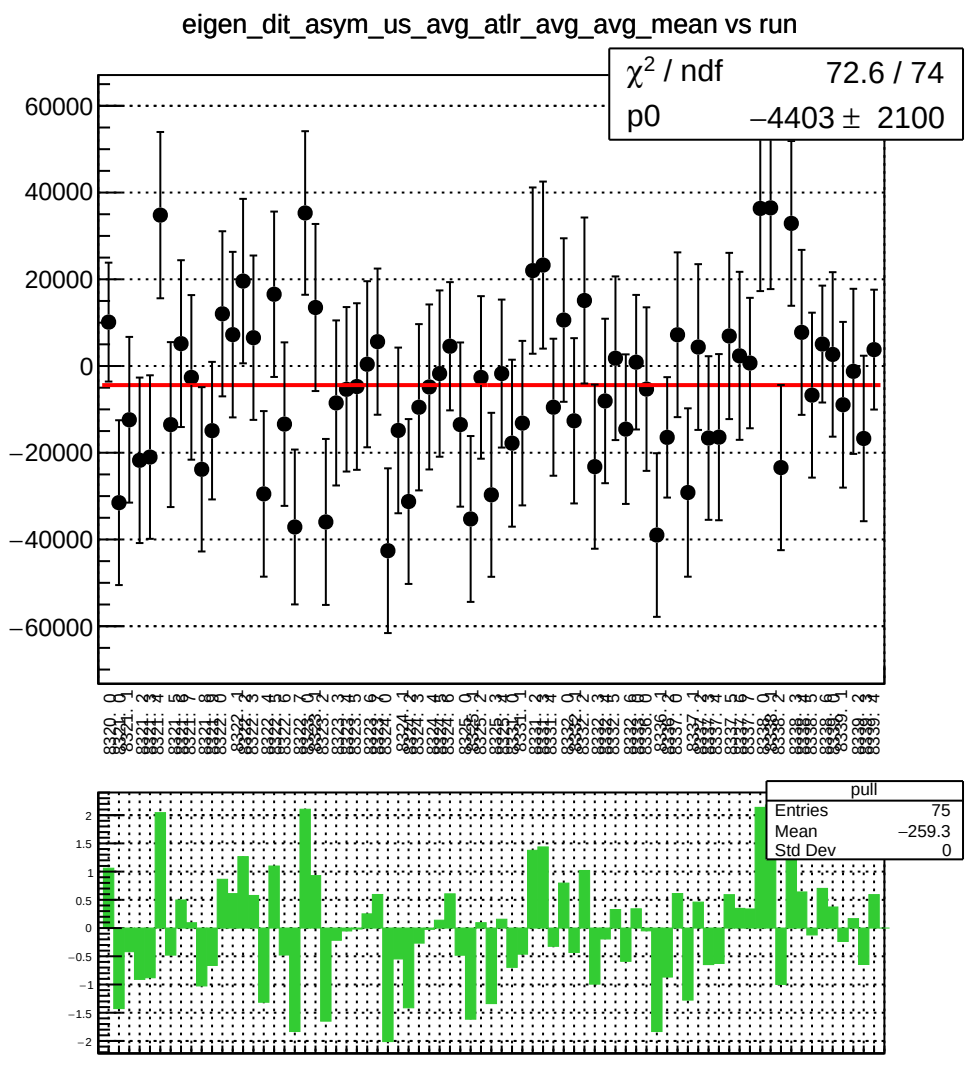

pull1D
Entries 75
Mean −0.008704
Std Dev 0.9839

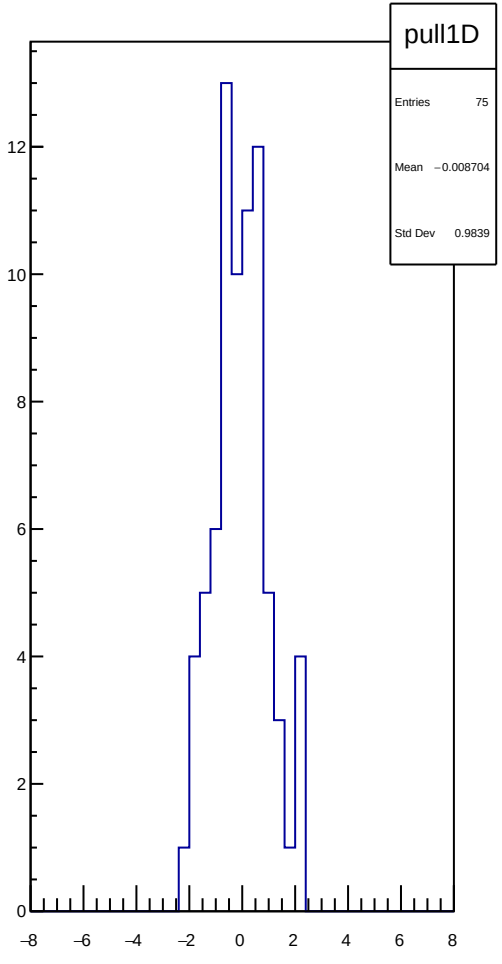

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 68.63 / 74
p0 1806 ± 1.485
1860
1840
1820
1800
1780
1760

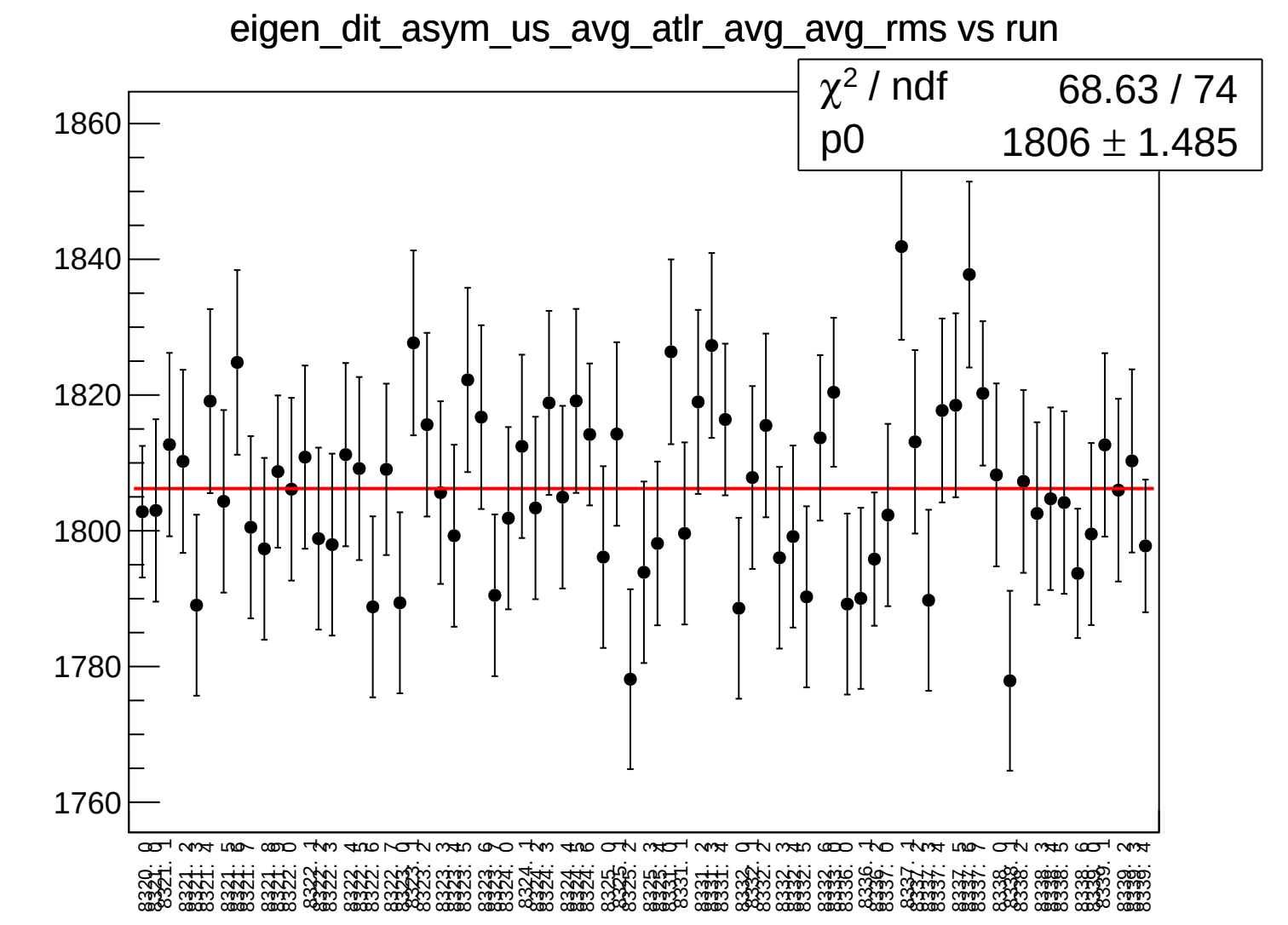

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 81.87 / 74
p0 −1.195e+04 ± 9107
pull
Entries 75
Mean 888
Std Dev 0

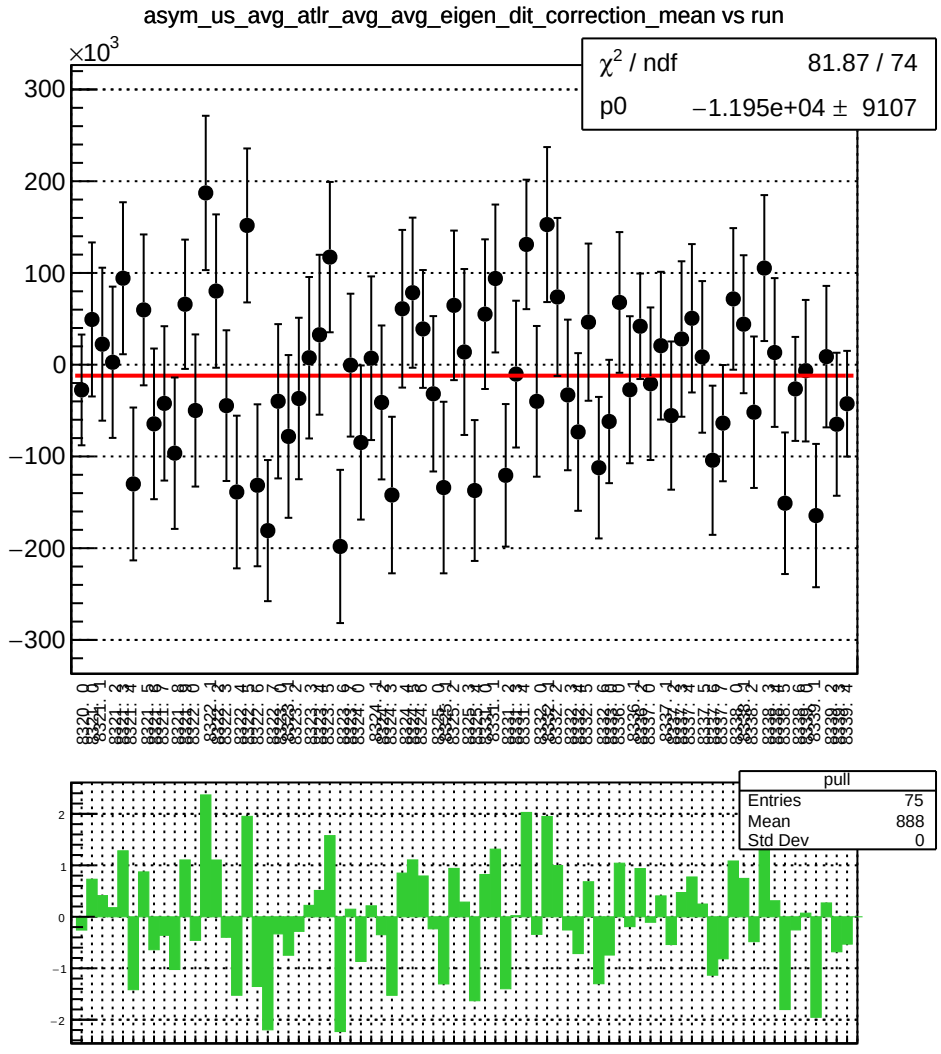

pull1D
Entries 75
Mean −0.00116
Std Dev 1.045

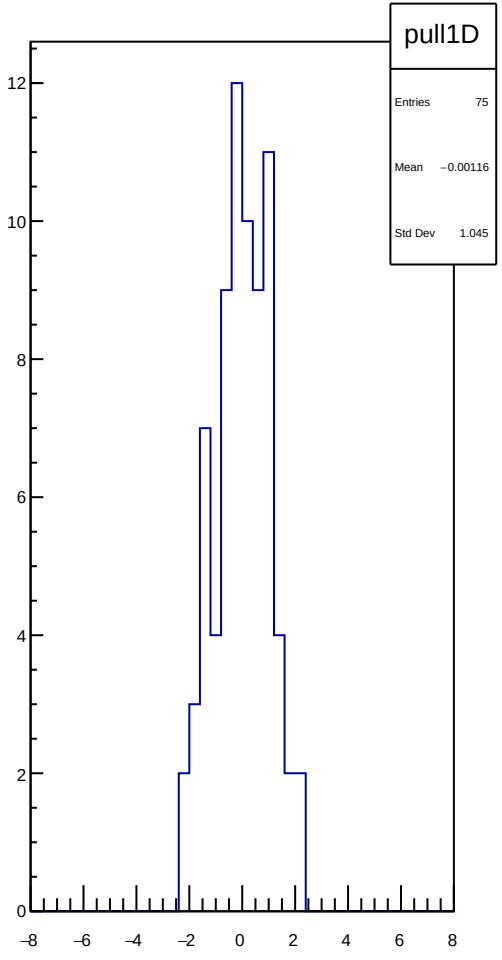

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 2386 / 74
p0 7828 ± 6.44
9000
8500
8000
7500
7000

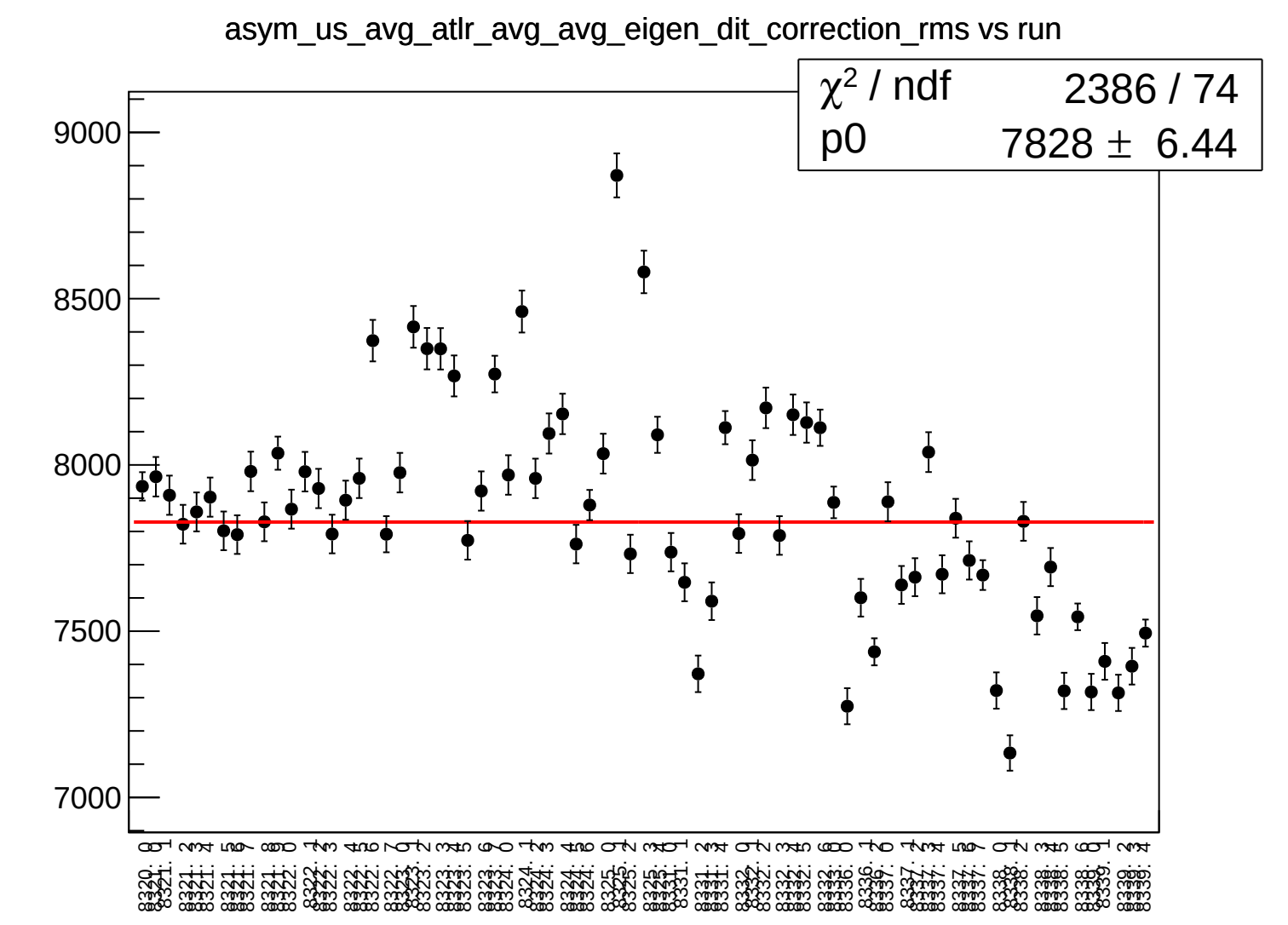

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 72.6 / 74
p0 −4403 ± 2100
pull
Entries 75
Mean −259.3
Std Dev 0

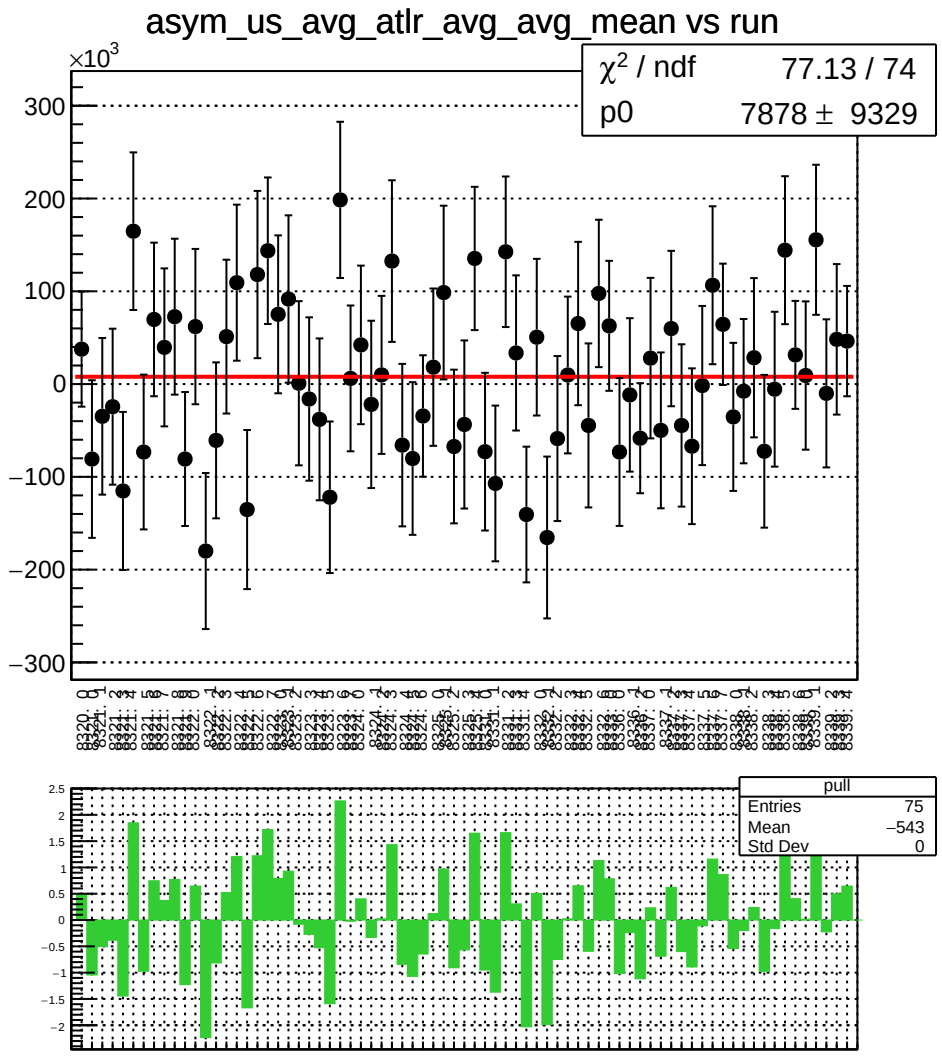

pull1D
Entries 75
Mean −0.008704
Std Dev 0.9839

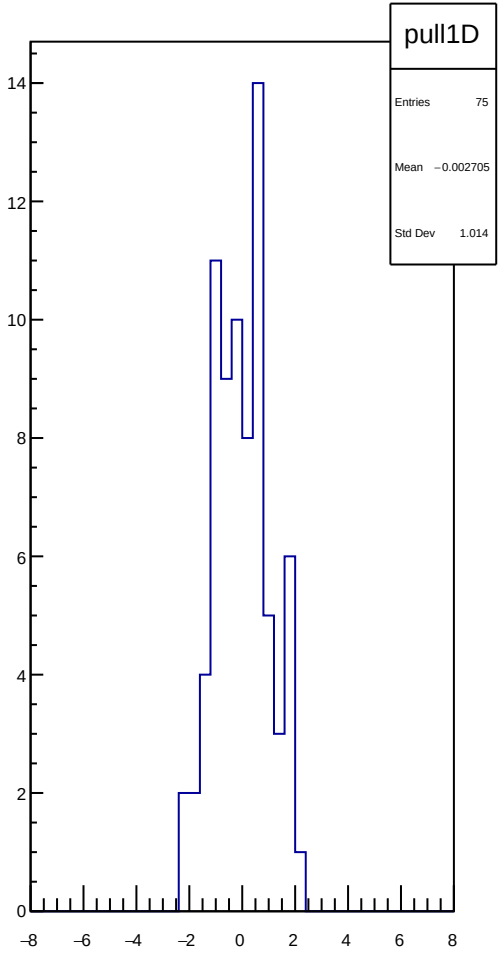

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 68.63 / 74
p0 1806 ± 1.485
1860
1840
1820
1800
1780
1760

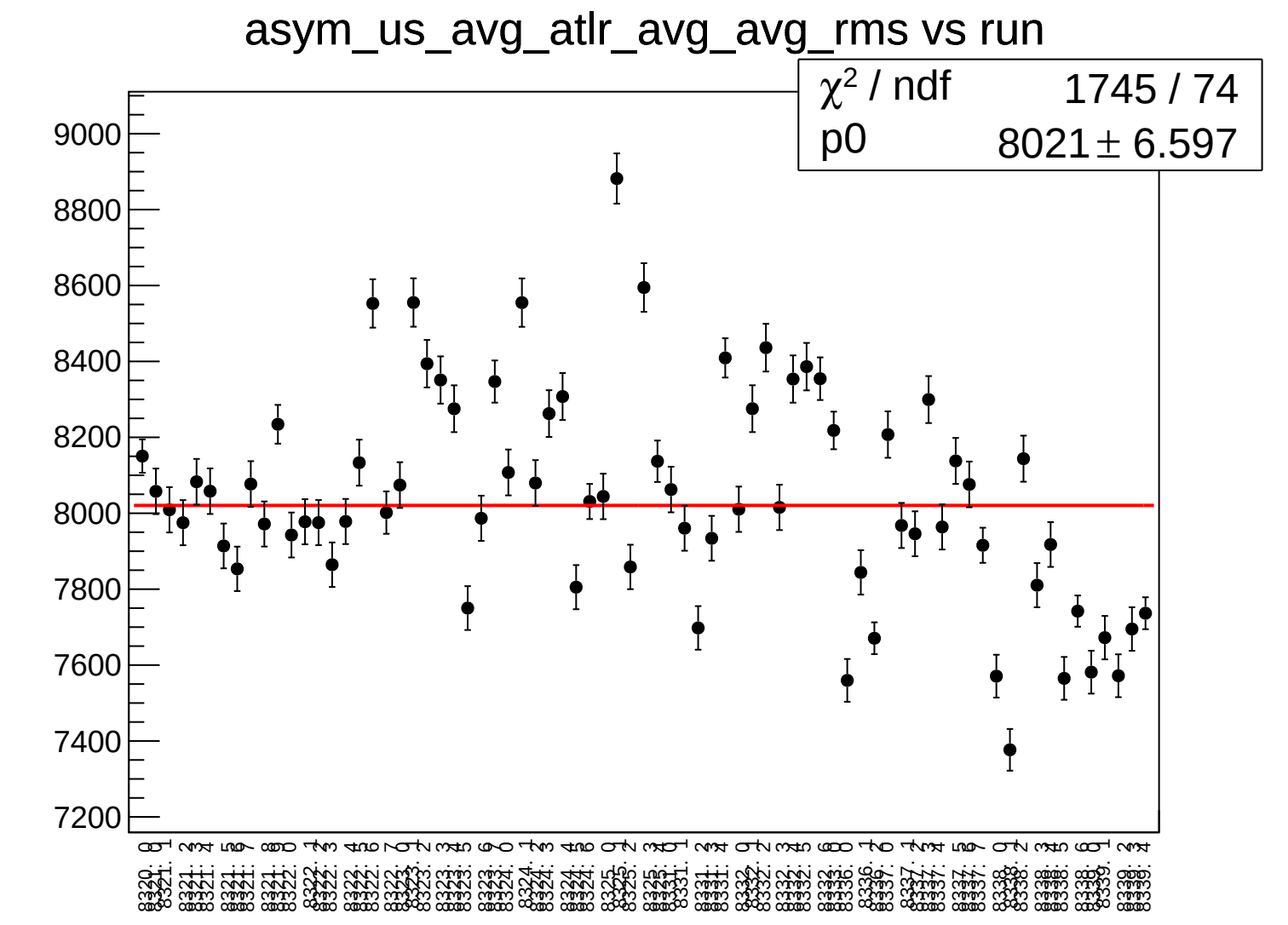

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.87 / 74
p0 −1.195e+04 ± 9107
pull
Entries 75
Mean 888
Std Dev 0

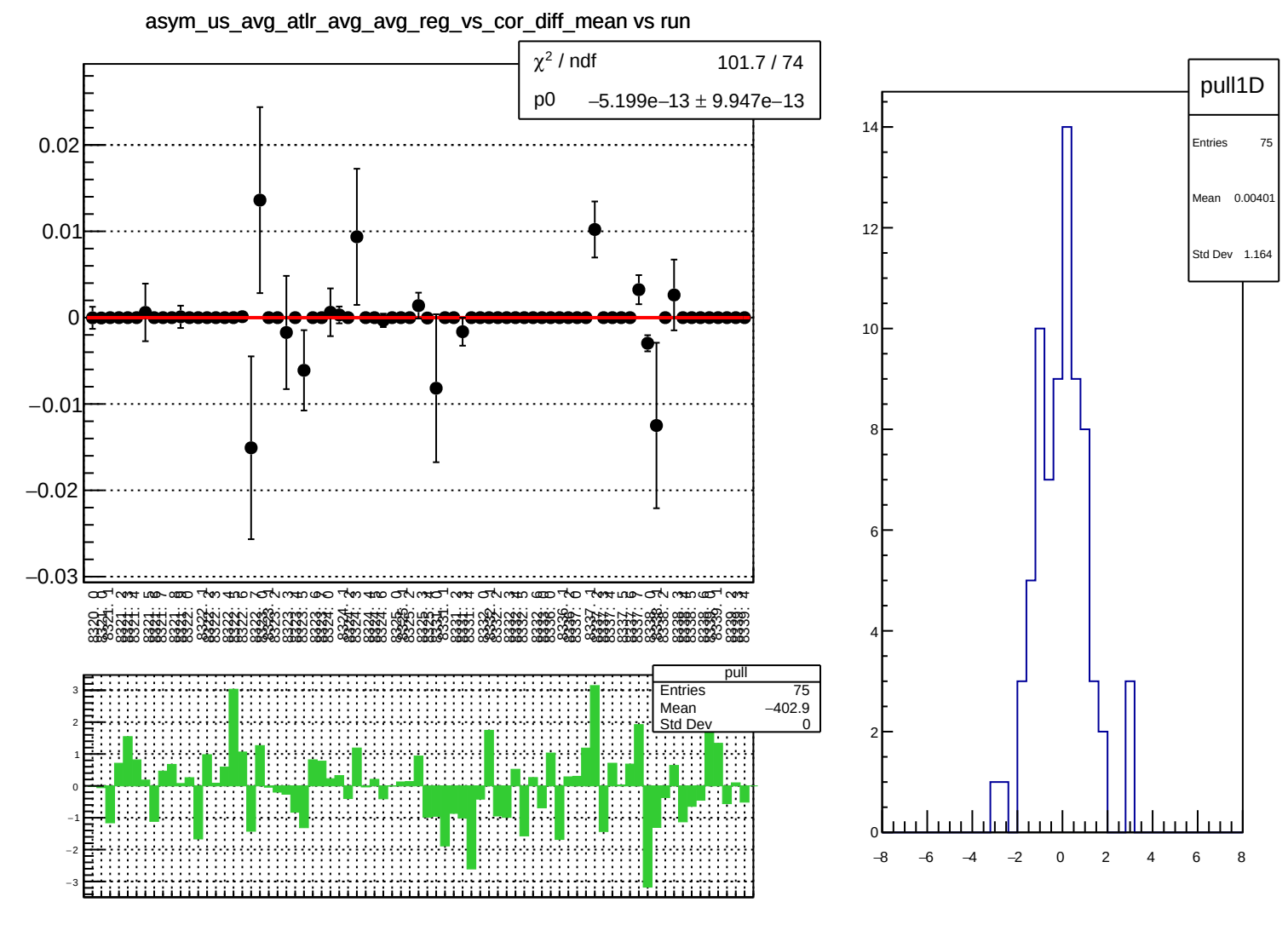

pull1D
Entries 75
Mean −0.00116
Std Dev 1.045

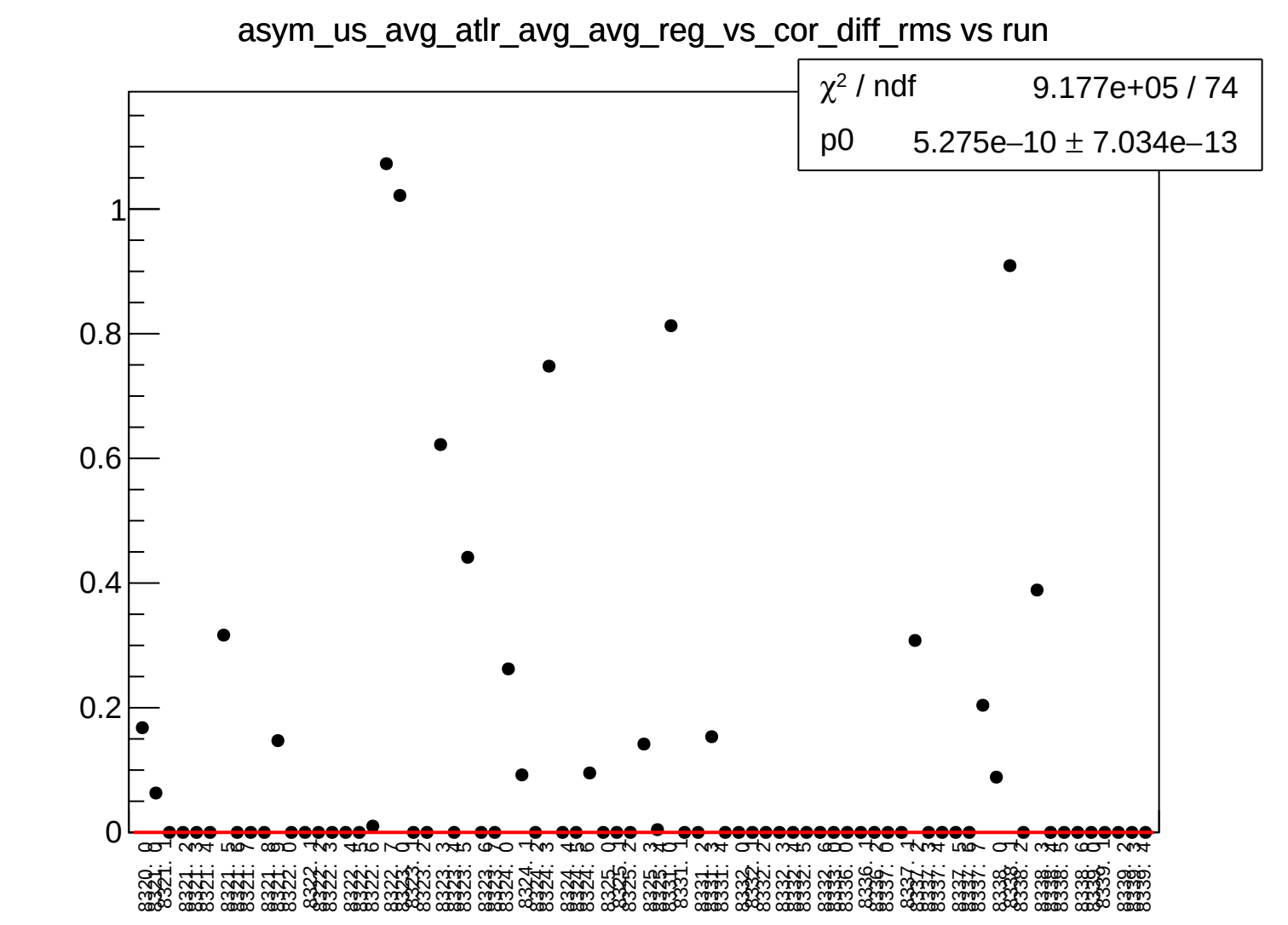

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 2386 / 74
p0 7828 ± 6.44
9000
8500
8000
7500
7000

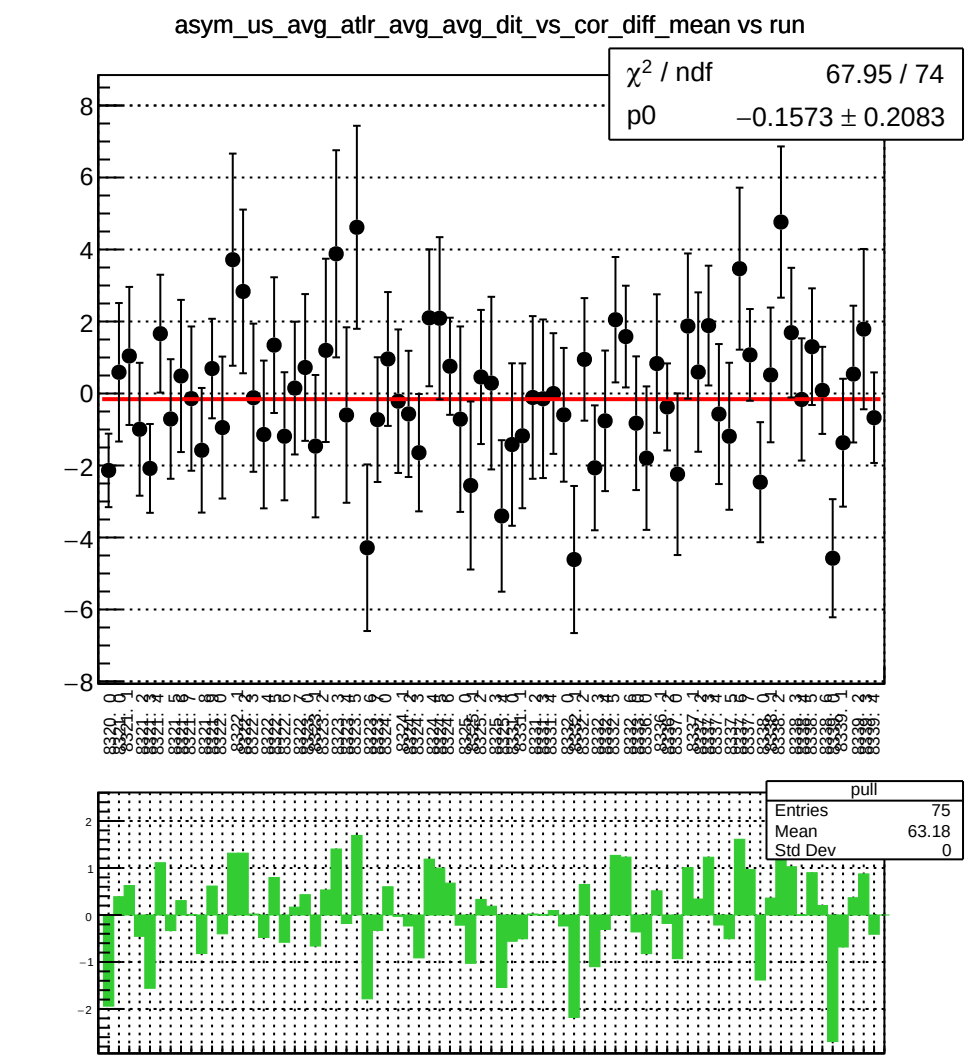

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 77.13 / 74
p0 7878 ± 9329
pull
Entries 75
Mean −543
Std Dev 0

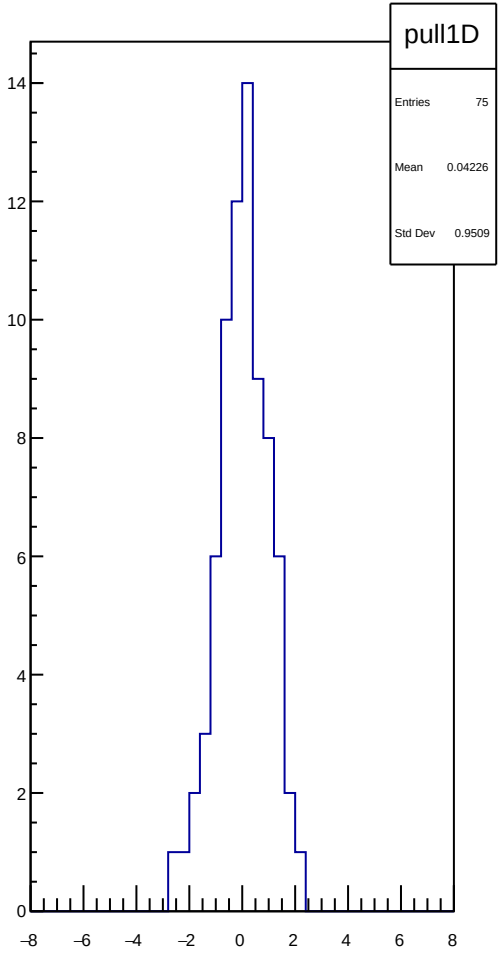

pull1D
Entries 75
Mean −0.002705
Std Dev 1.014

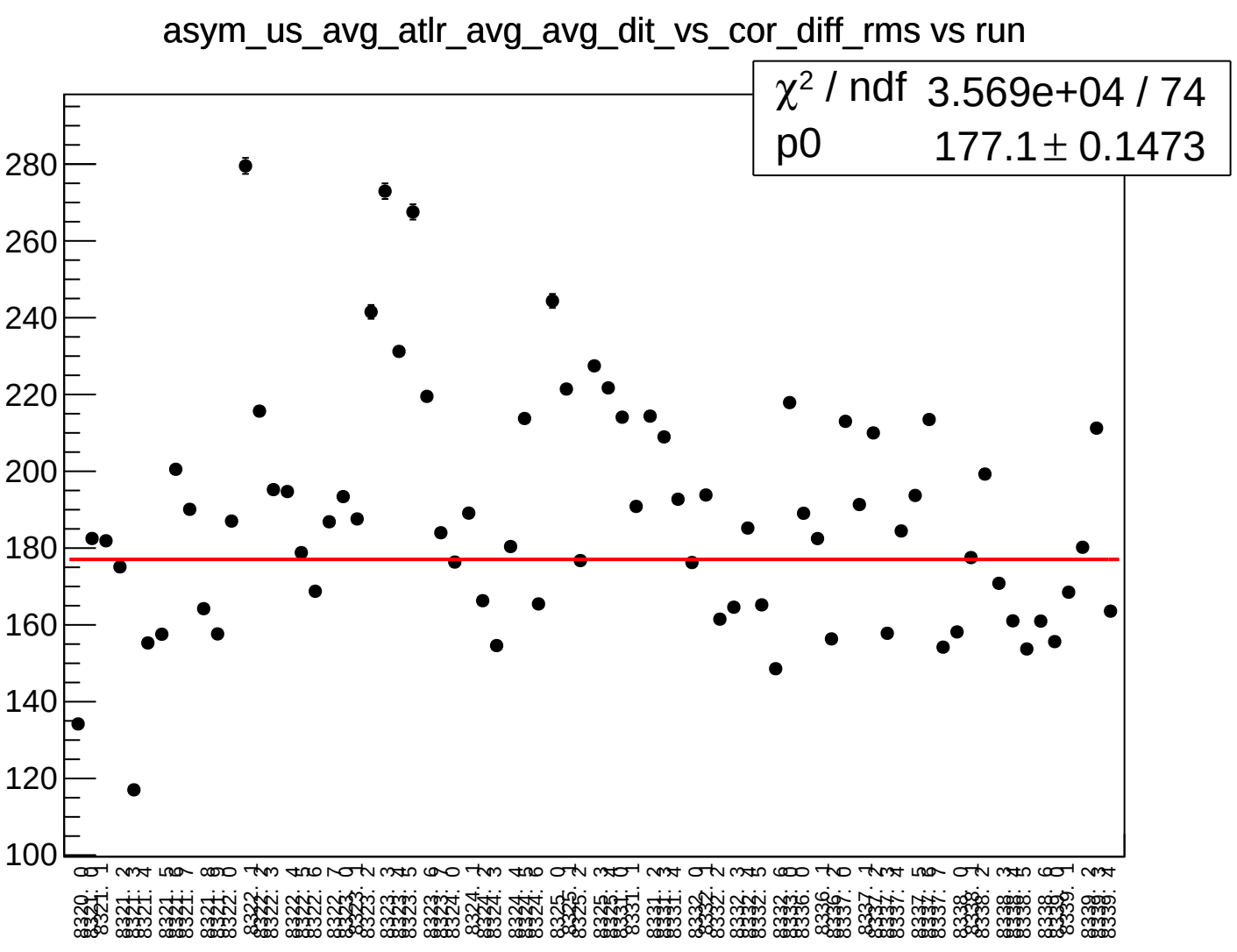

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1745 / 74
p0 8021 ± 6.597
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200

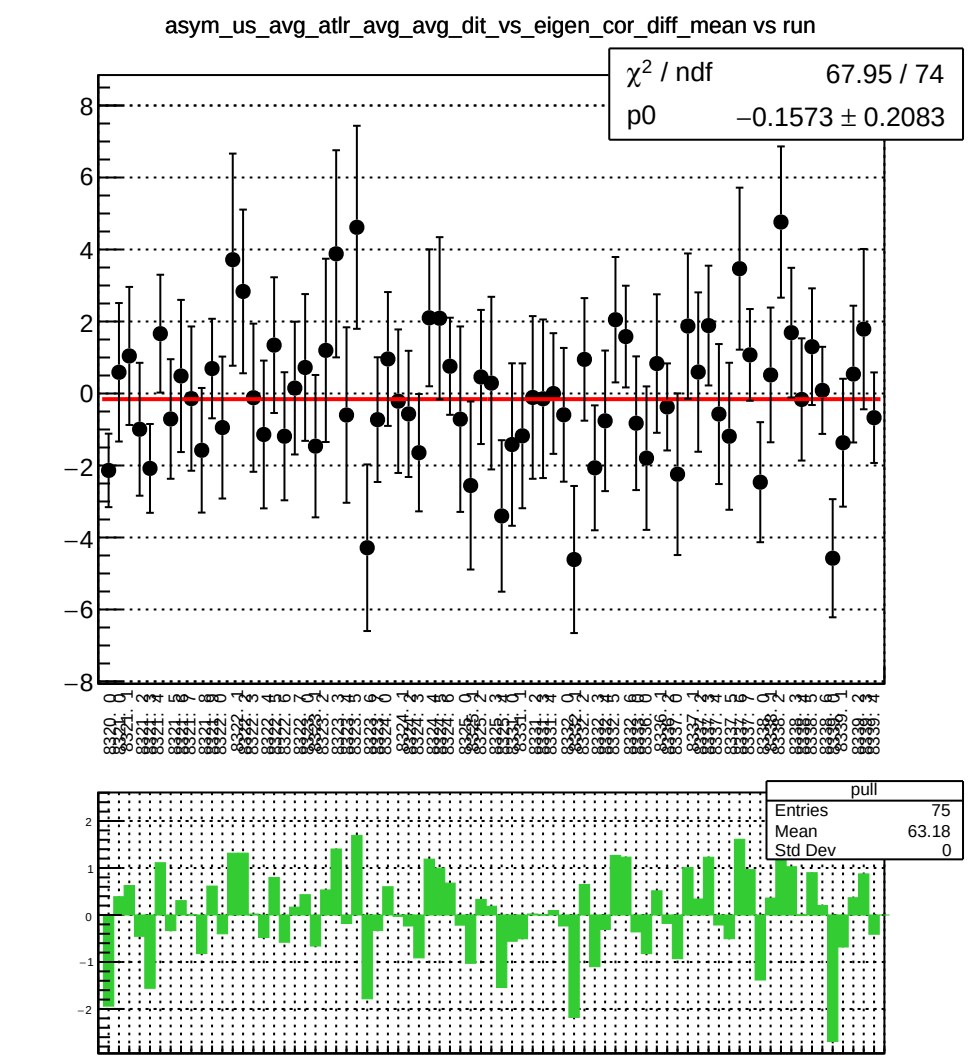

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 101.7 / 74
p0 −5.199e−13 ± 9.947e−13
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 75
Mean −402.9
Std Dev 0
pull1D
Entries 75
Mean 0.00401
Std Dev 1.164

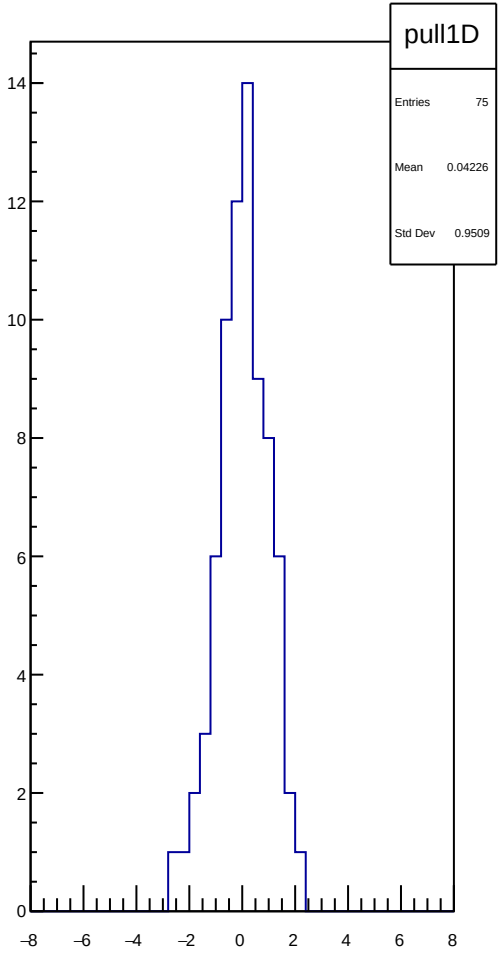

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.177e+05 / 74
p0 5.275e−10 ± 7.034e−13
1
0.8
0.6
0.4
0.2
0

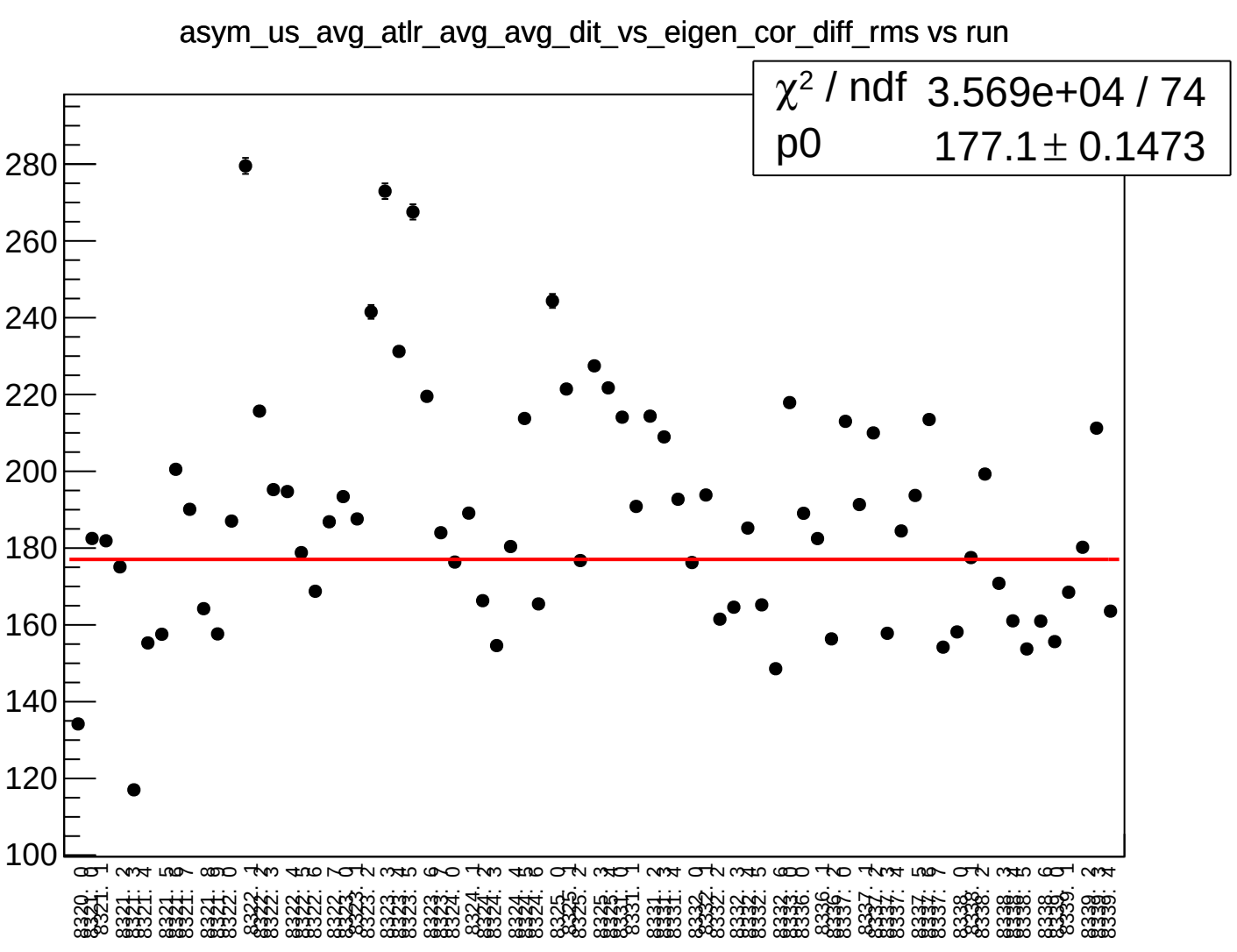

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 67.95 / 74
p0 −0.1573 ± 0.2083
pull
Entries 75
Mean 63.18
Std Dev 0

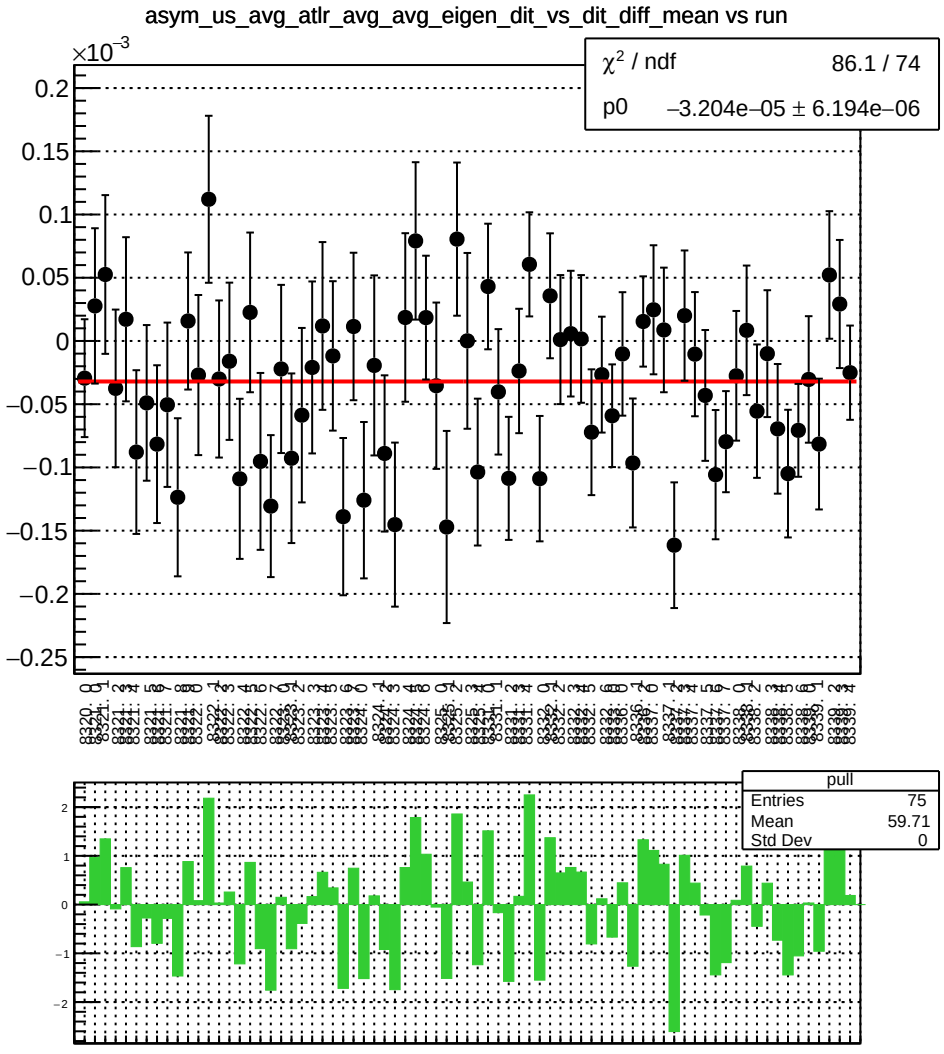

pull1D
Entries 75
Mean 0.04226
Std Dev 0.9509

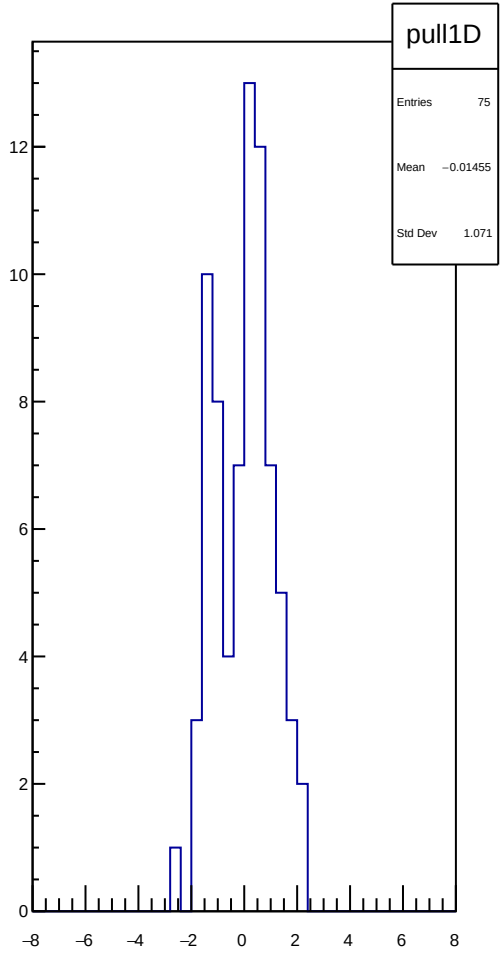

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.569e+04 / 74
p0 177.1 ± 0.1473
280
260
240
220
200
180
160
140
120
100

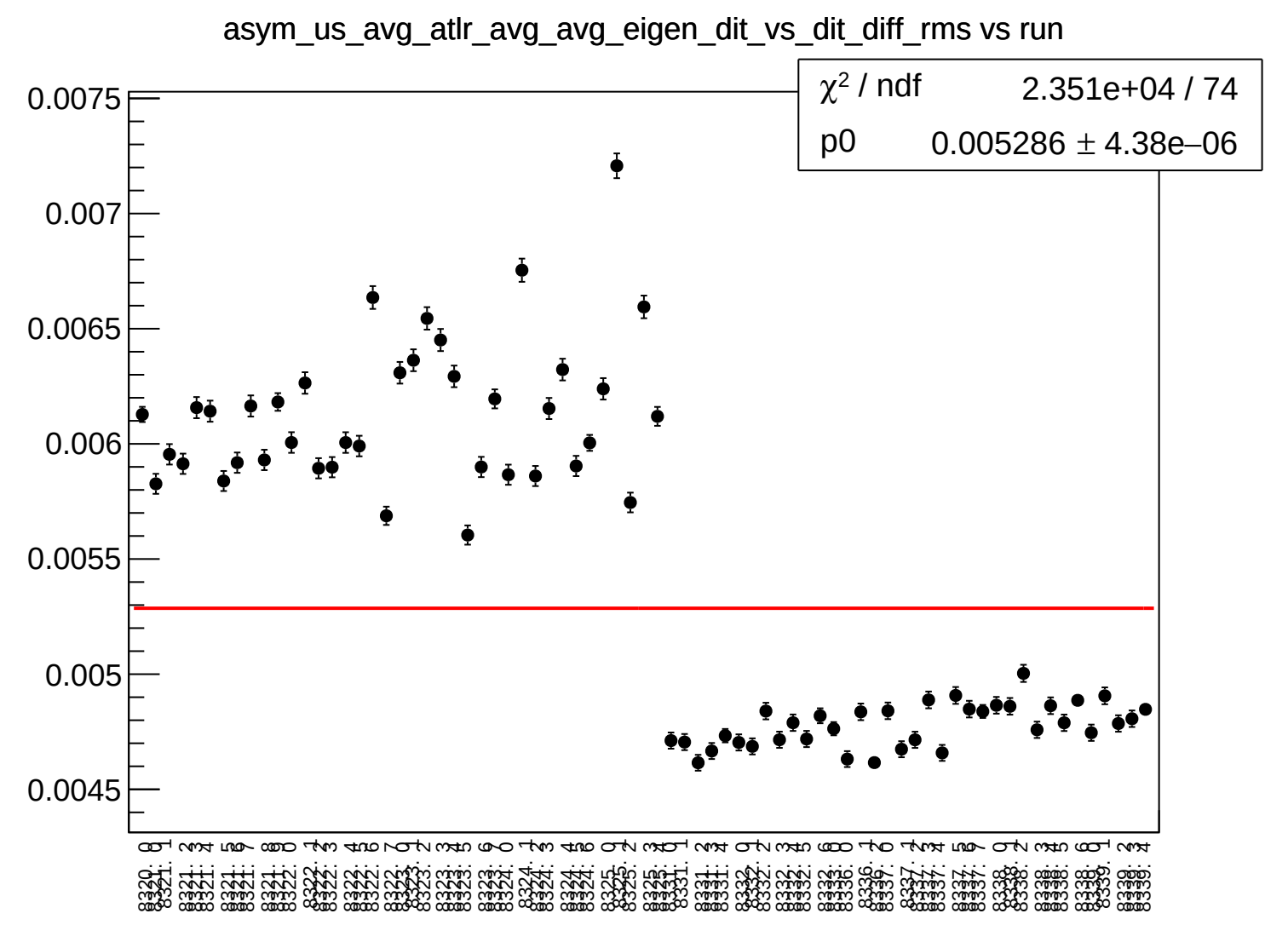

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.95 / 74
p0 −0.1573 ± 0.2083
pull
Entries 75
Mean 63.18
Std Dev 0

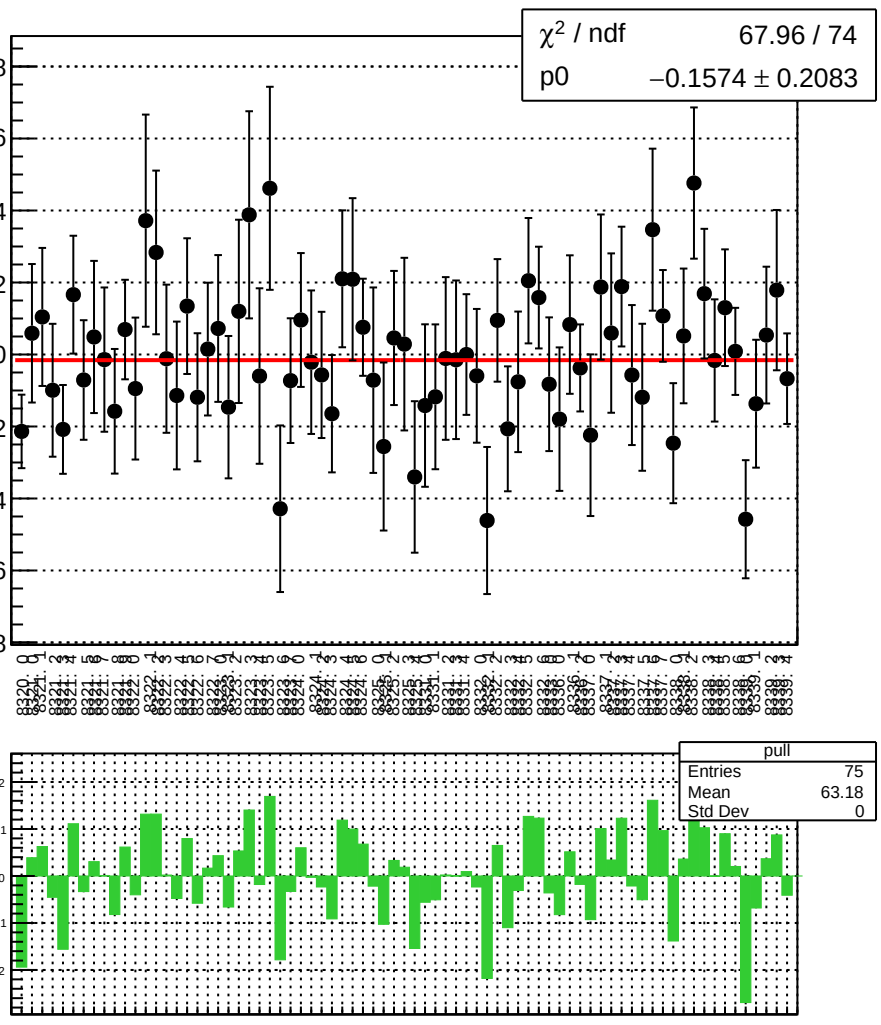

pull1D
Entries 75
Mean 0.04226
Std Dev 0.9509

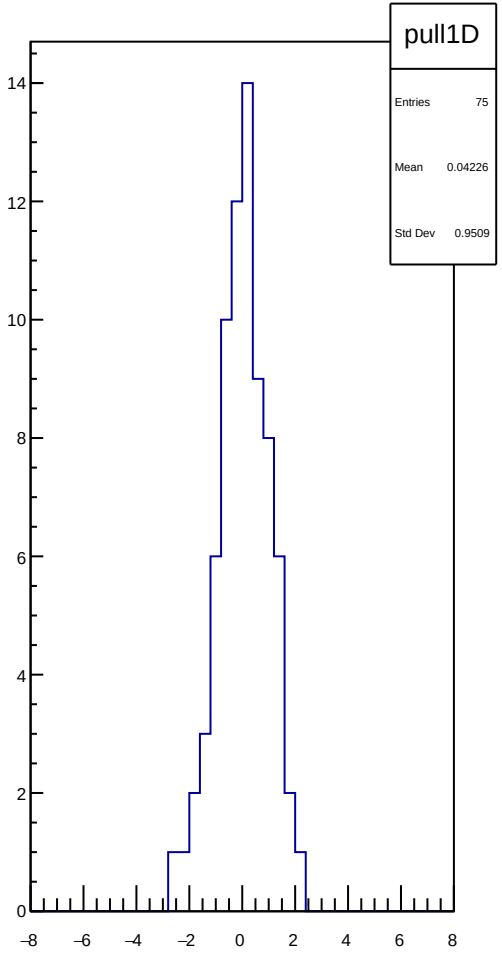

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.569e+04 / 74
p0 177.1 ± 0.1473
280
260
240
220
200
180
160
140
120
100

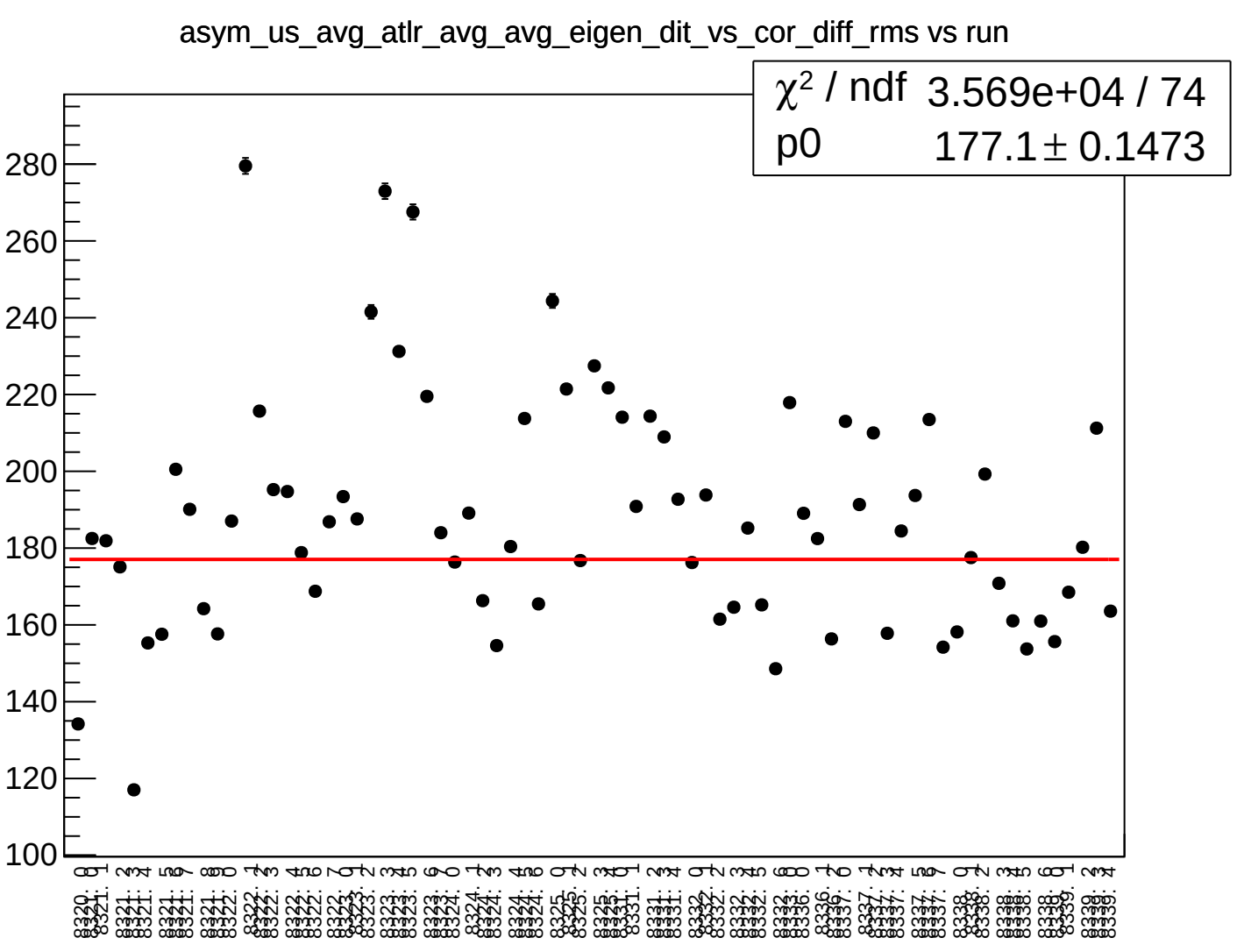

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.1 / 74
p0 −3.204e−05 ± 6.194e−06
pull
Entries 75
Mean 59.71
Std Dev 0

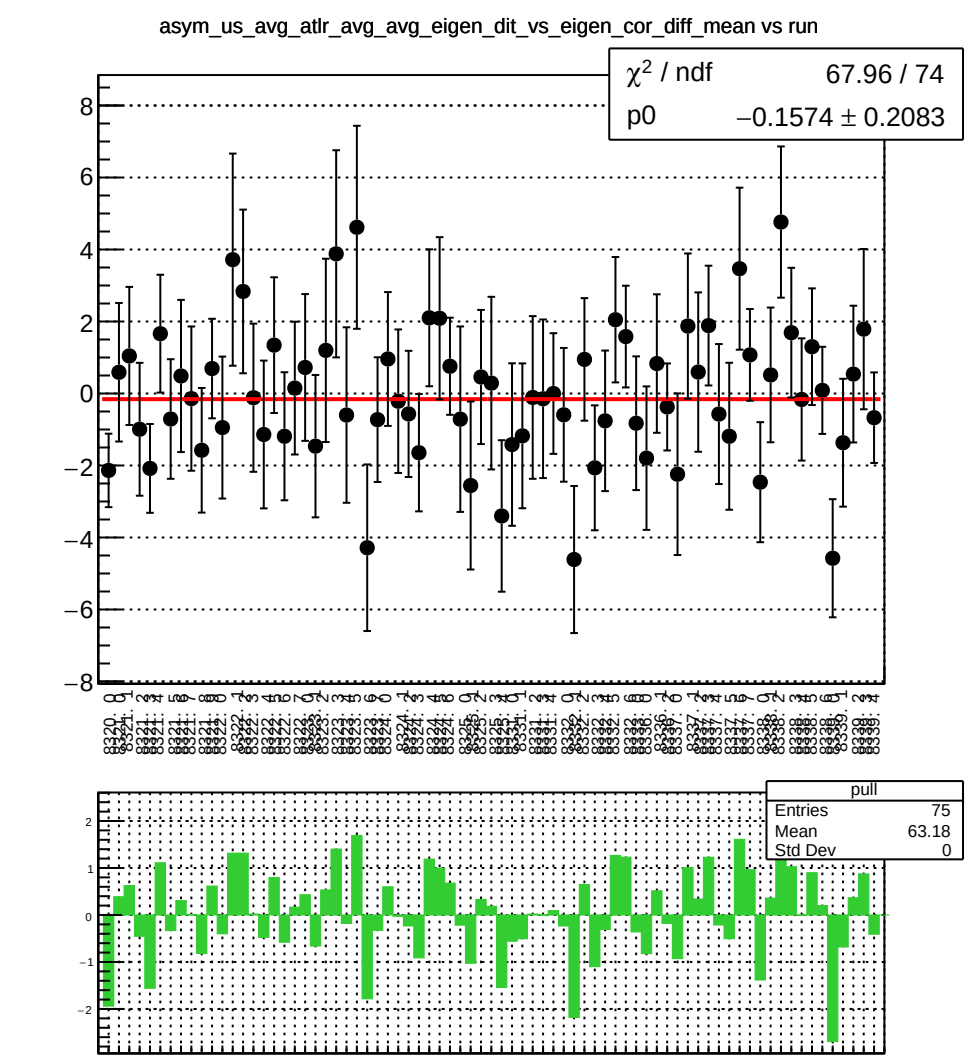

pull1D
Entries 75
Mean −0.01455
Std Dev 1.071

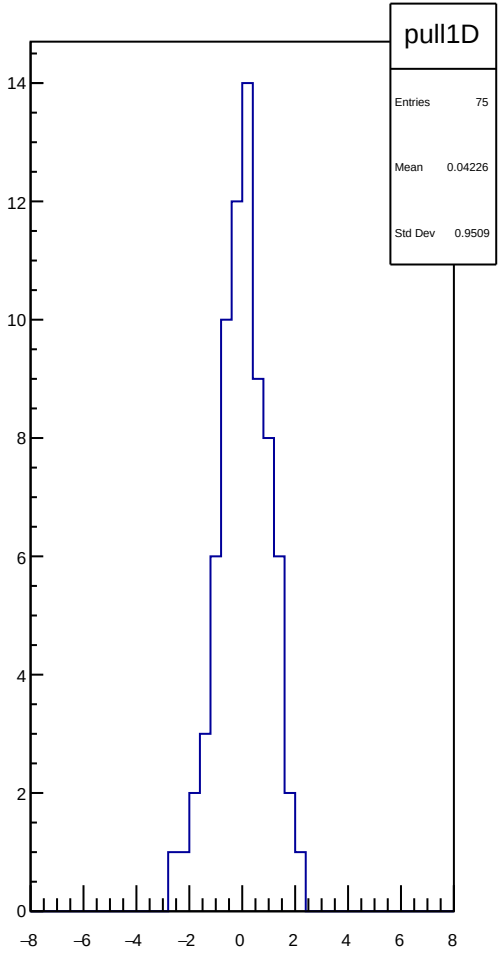

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.351e+04 / 74
p0 0.005286 ± 4.38e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045

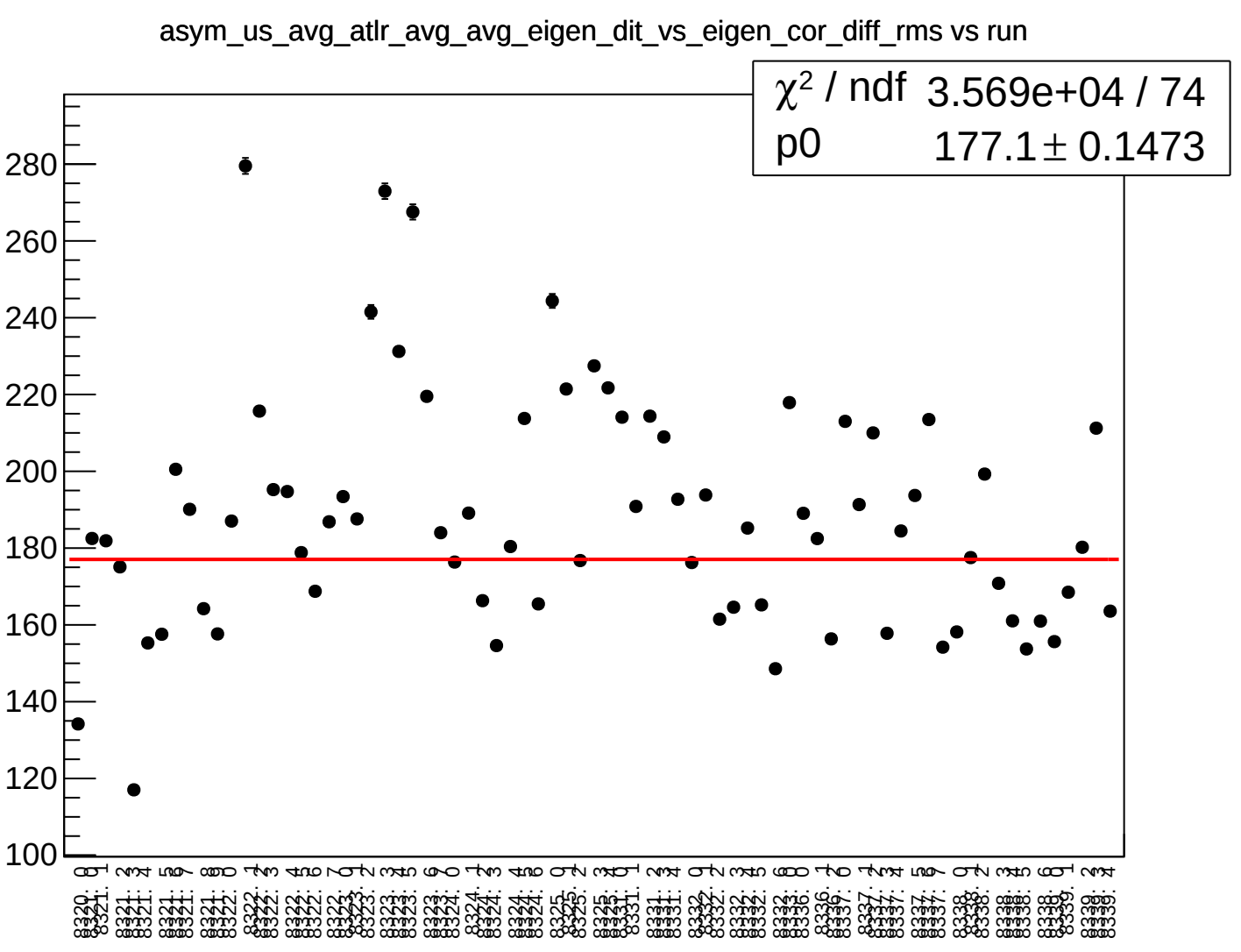

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 67.96 / 74
p0 −0.1574 ± 0.2083
pull
Entries 75
Mean 63.18
Std Dev 0

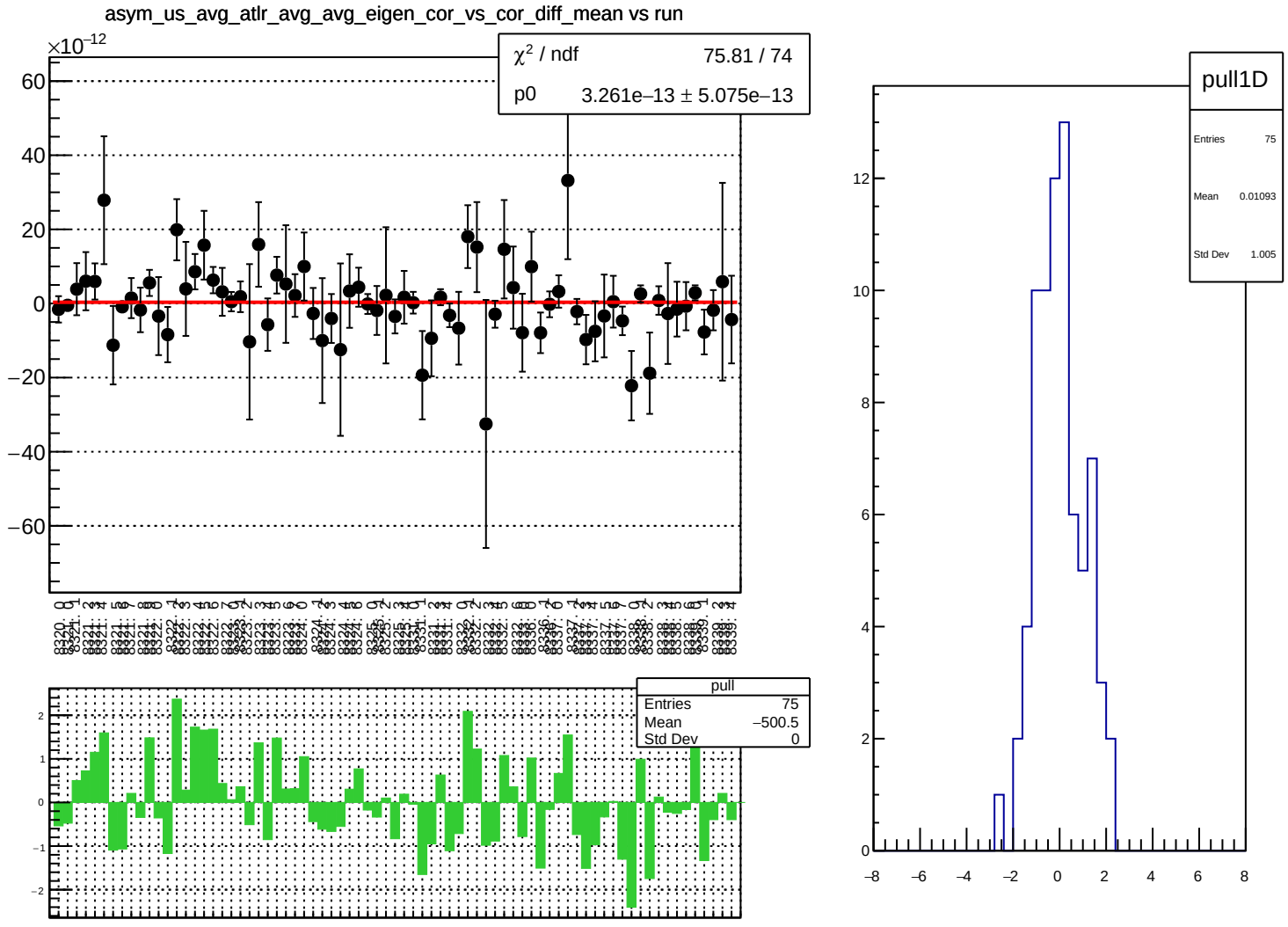

pull1D
Entries 75
Mean 0.04226
Std Dev 0.9509

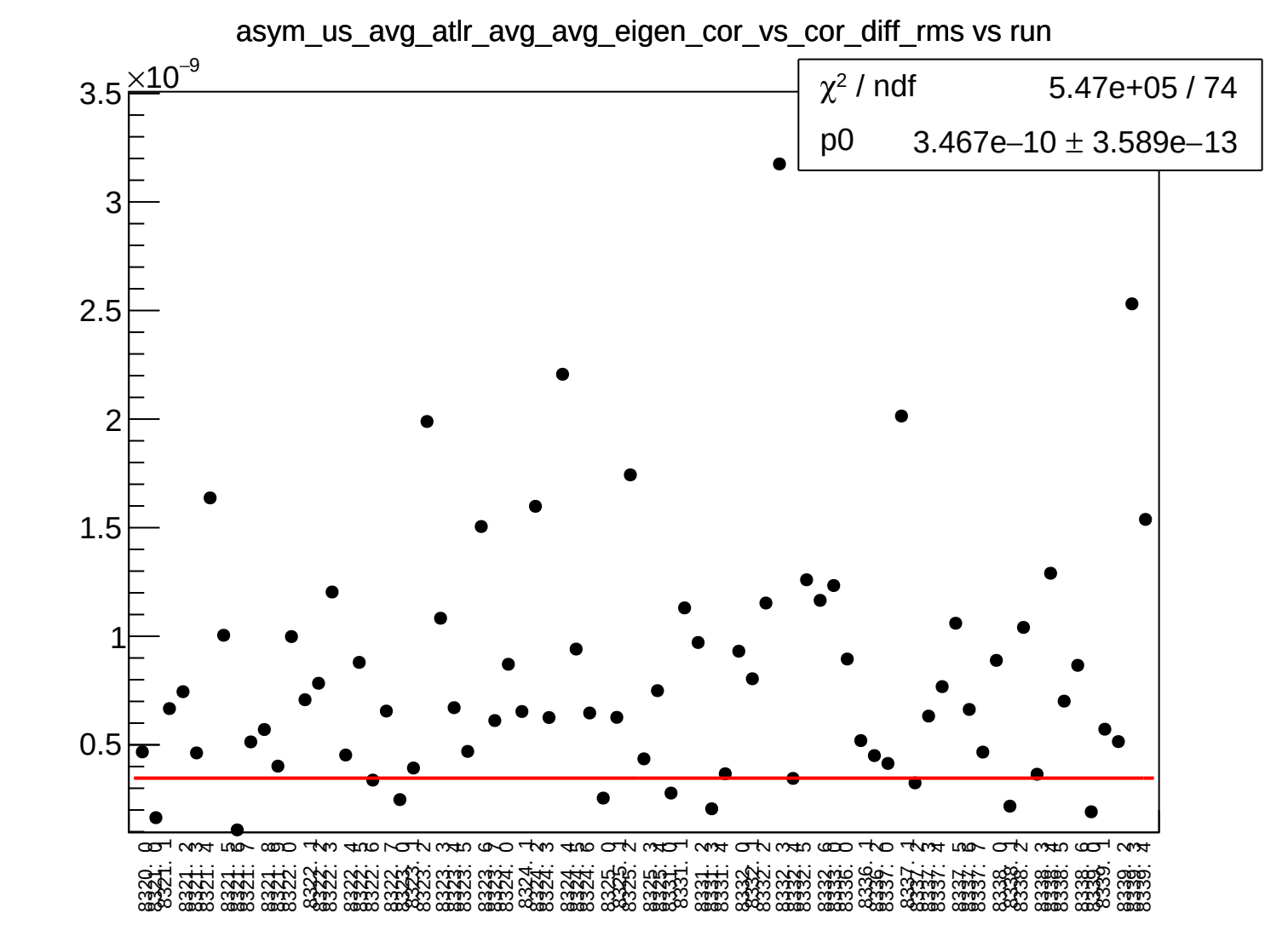

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.569e+04 / 74
p0 177.1 ± 0.1473
280
260
240
220
200
180
160
140
120
100

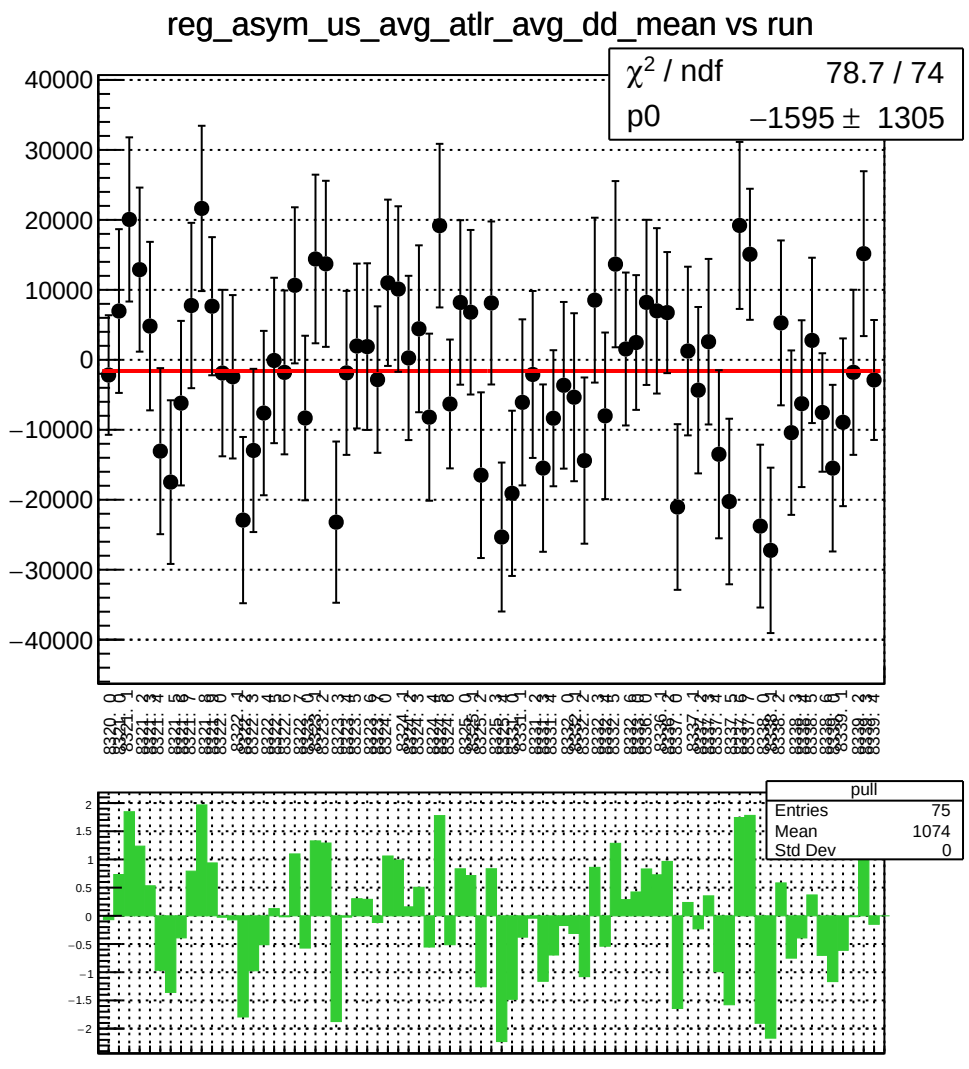

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.96 / 74
p0 −0.1574 ± 0.2083
pull
Entries 75
Mean 63.18
Std Dev 0

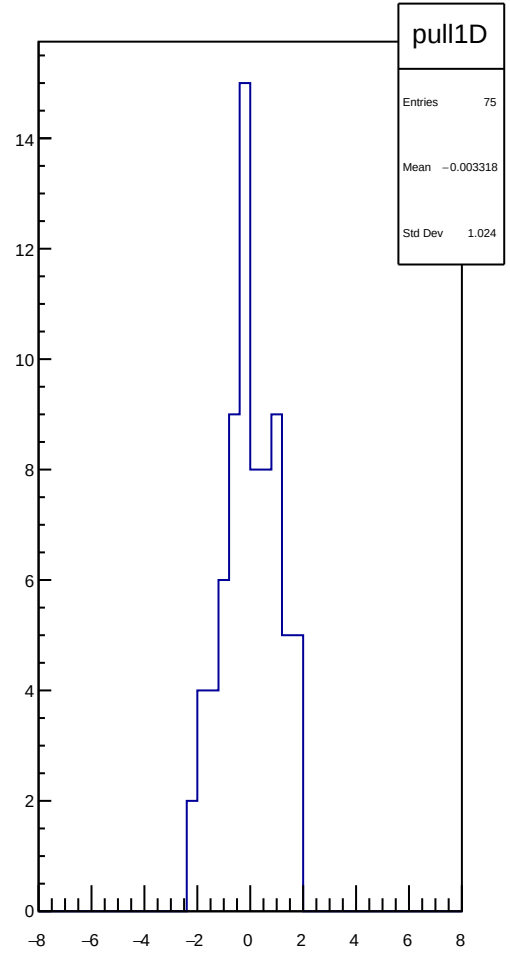

pull1D
Entries 75
Mean 0.04226
Std Dev 0.9509

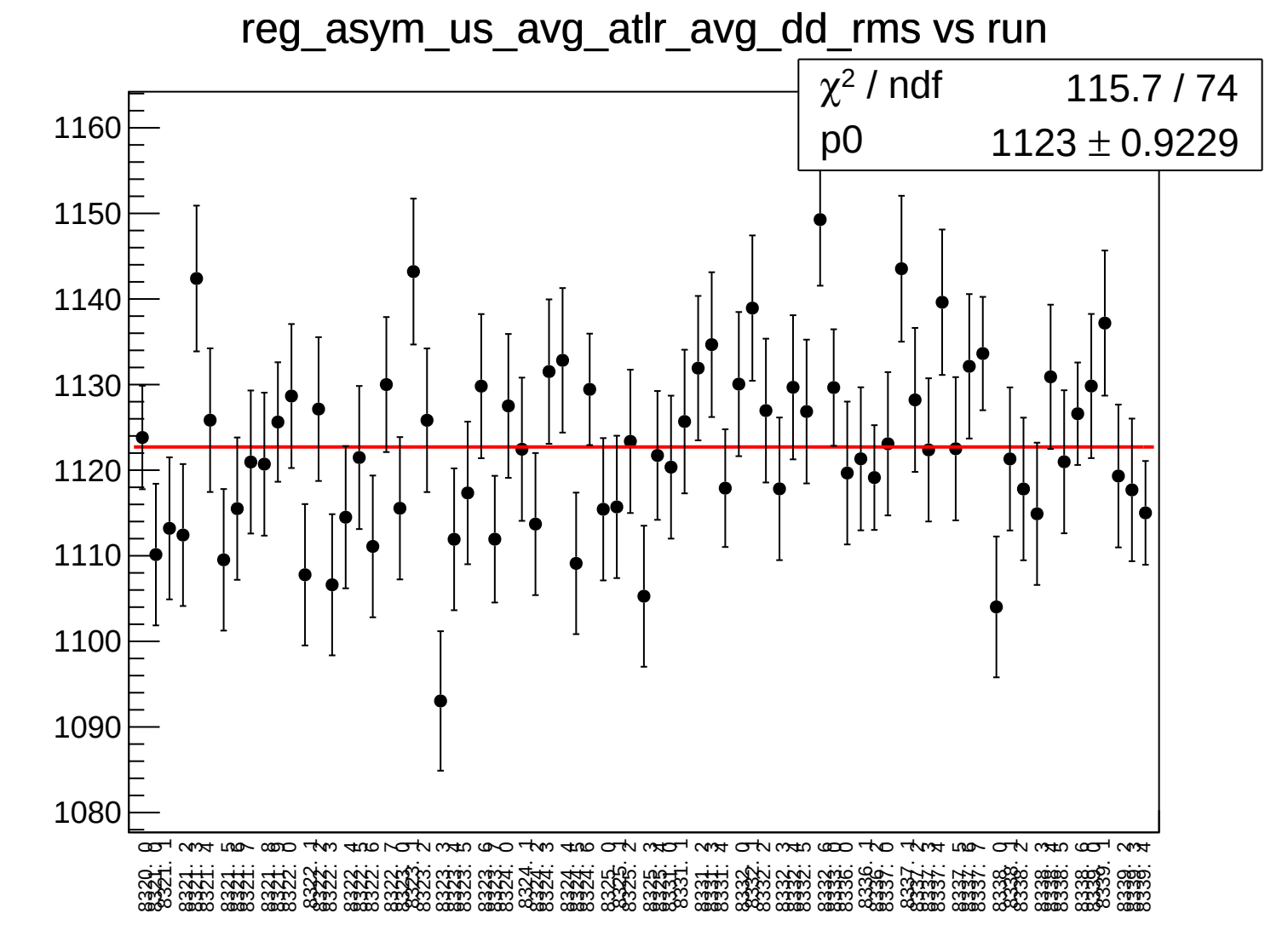

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.569e+04 / 74
p0 177.1 ± 0.1473
280
260
240
220
200
180
160
140
120
100

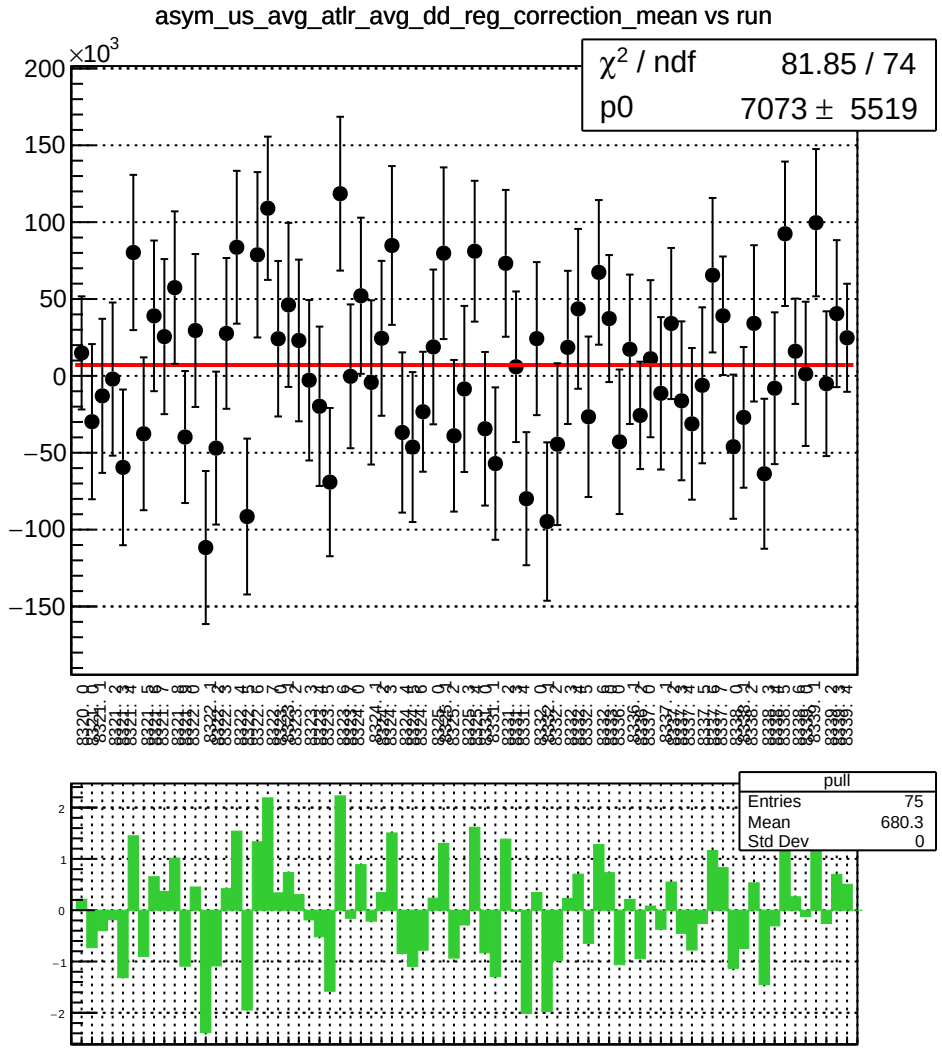

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.81 / 74
p0 3.261e−13 ± 5.075e−13
pull
Entries 75
Mean −500.5
Std Dev 0
pull1D
Entries 75
Mean 0.01093
Std Dev 1.005

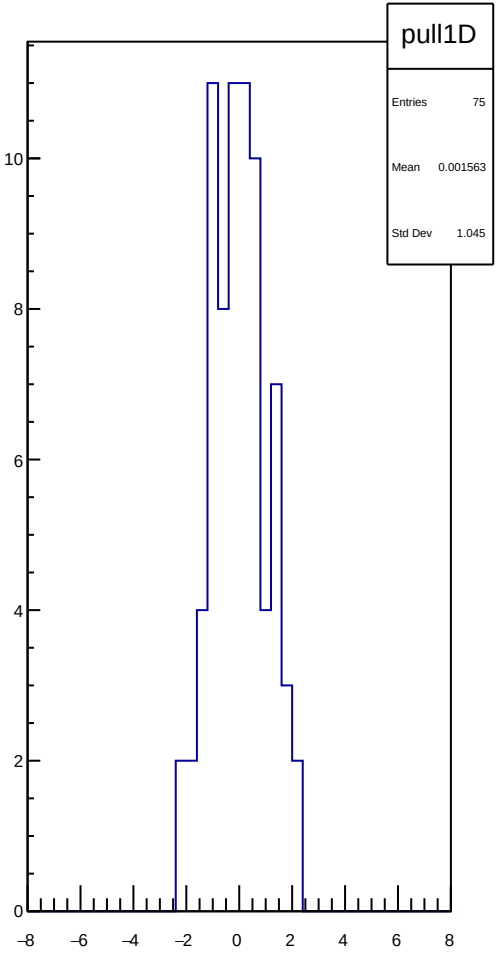

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
3.5
3
2.5
2
1.5
1
0.5
χ² / ndf 5.47e+05 / 74
p0 3.467e−10 ± 3.589e−13

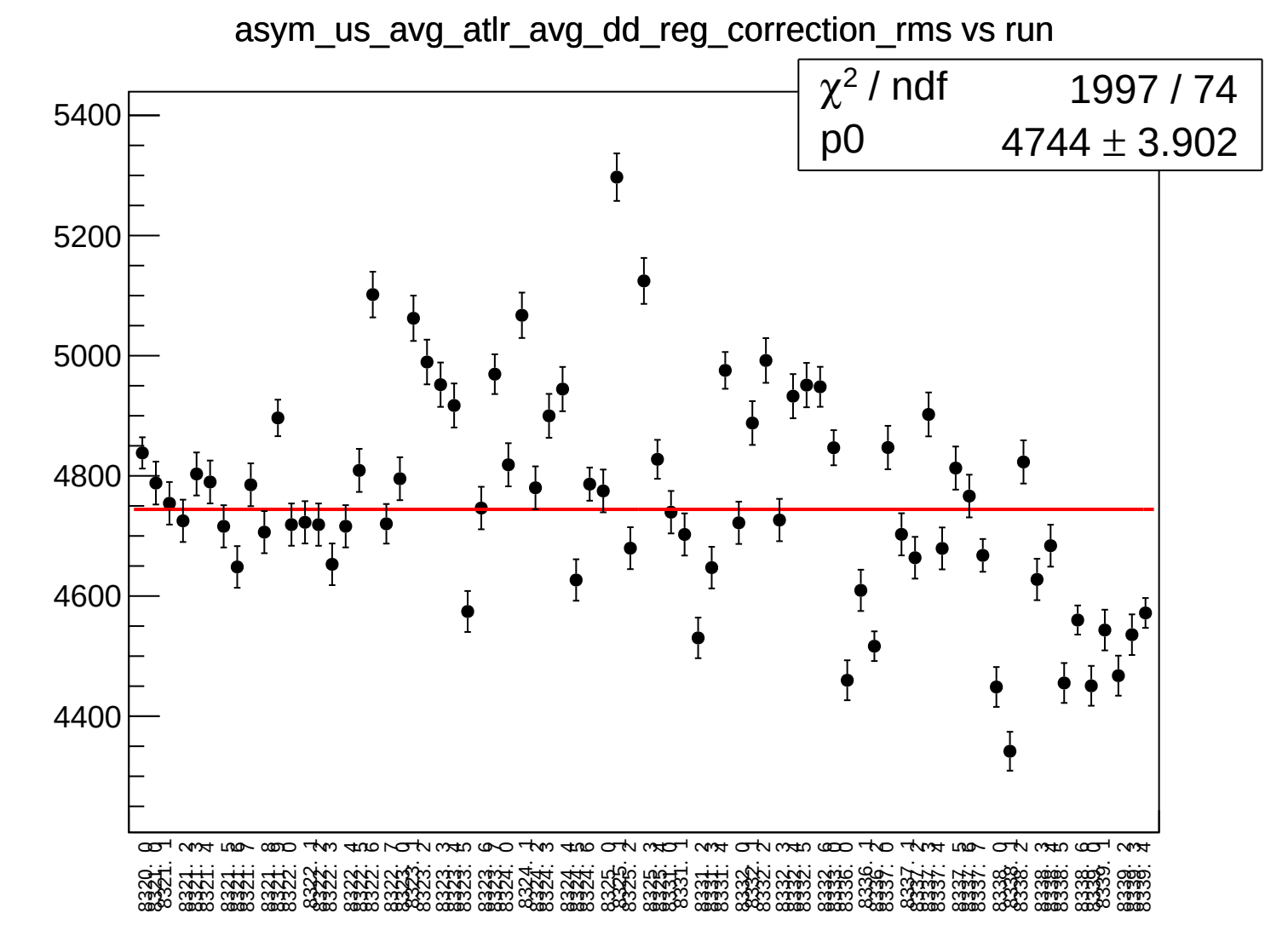

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 78.7 / 74
p0 −1595 ± 1305
pull
Entries 75
Mean 1074
Std Dev 0

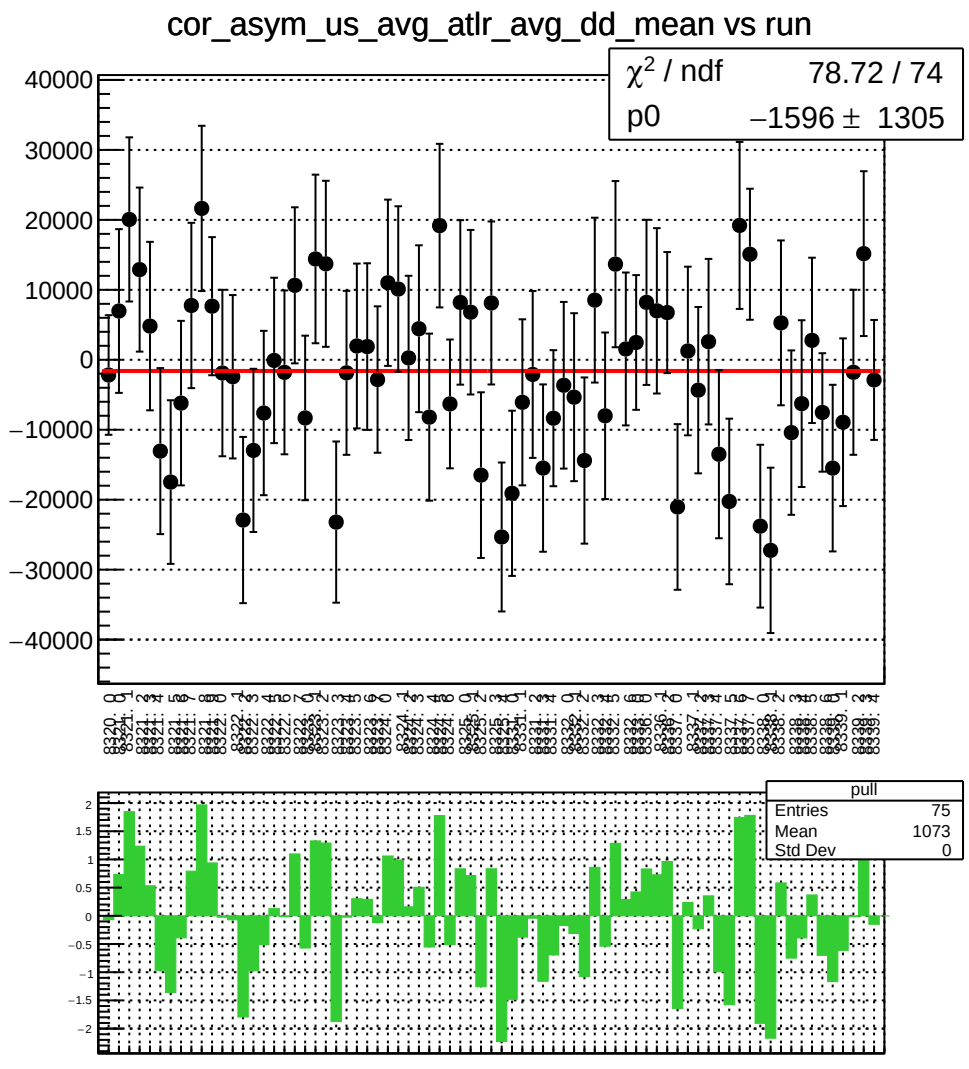

pull1D
Entries 75
Mean −0.003318
Std Dev 1.024

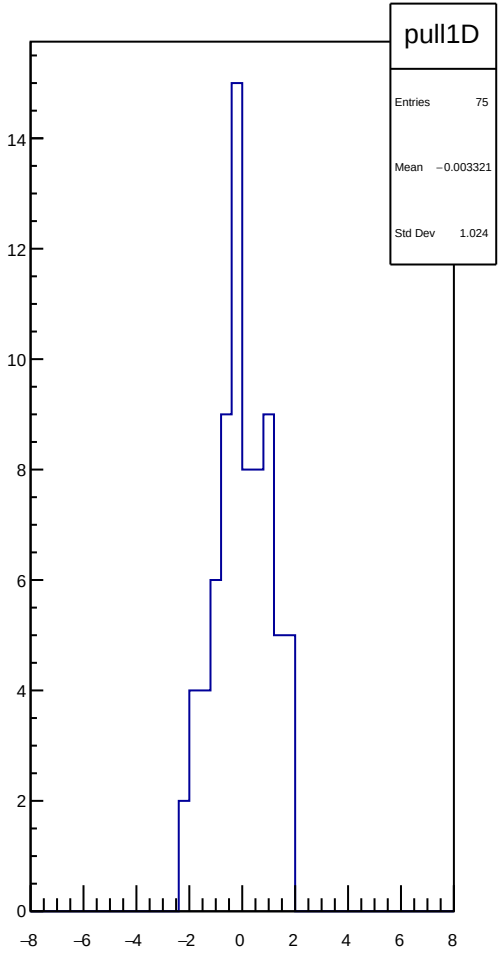

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 115.7 / 74
p0 1123 ± 0.9229
1160
1150
1140
1130
1120
1110
1100
1090
1080

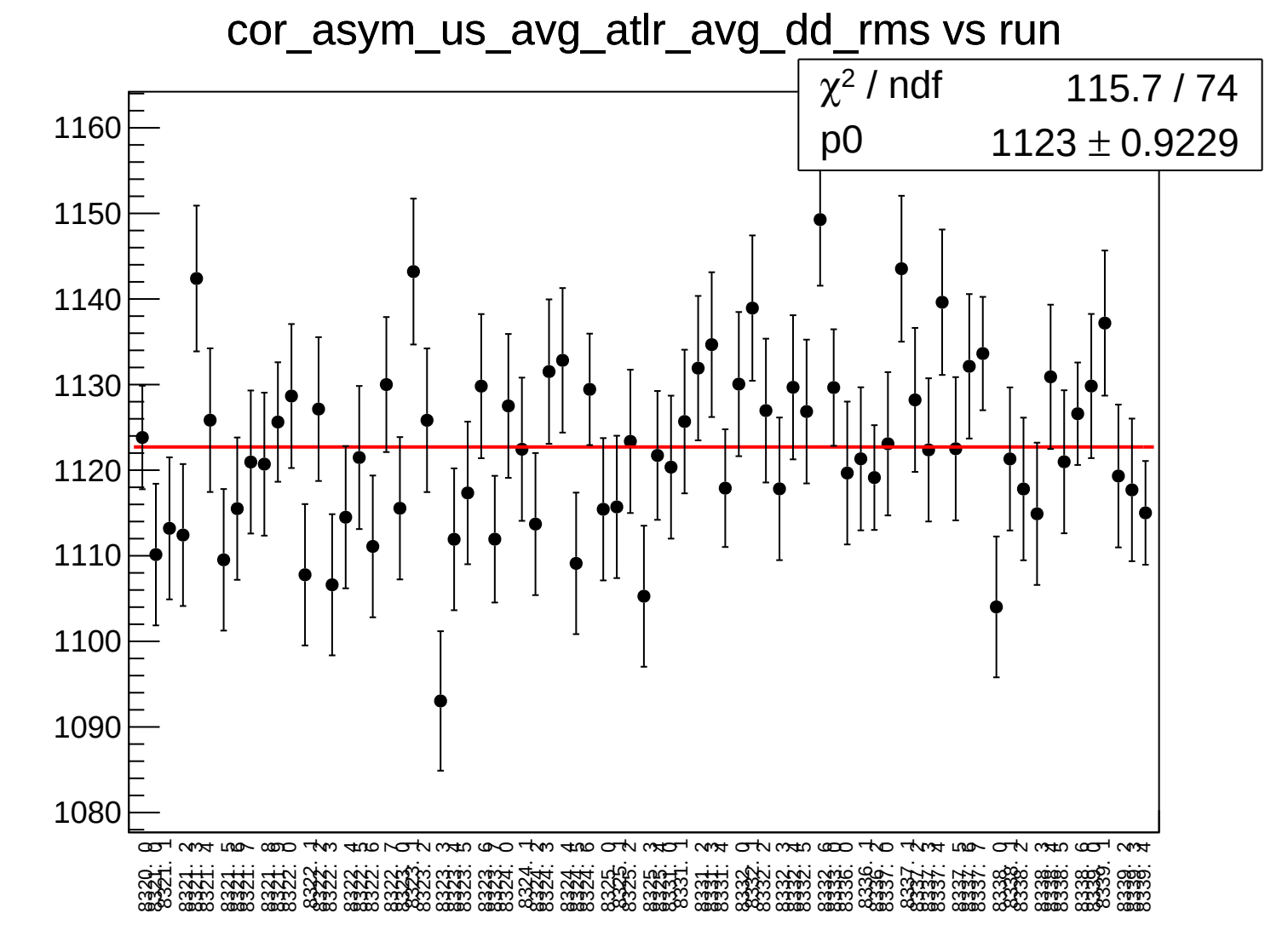

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
χ² / ndf 81.85 / 74
p0 7073 ± 5519
×10³
pull
Entries 75
Mean 680.3
Std Dev 0

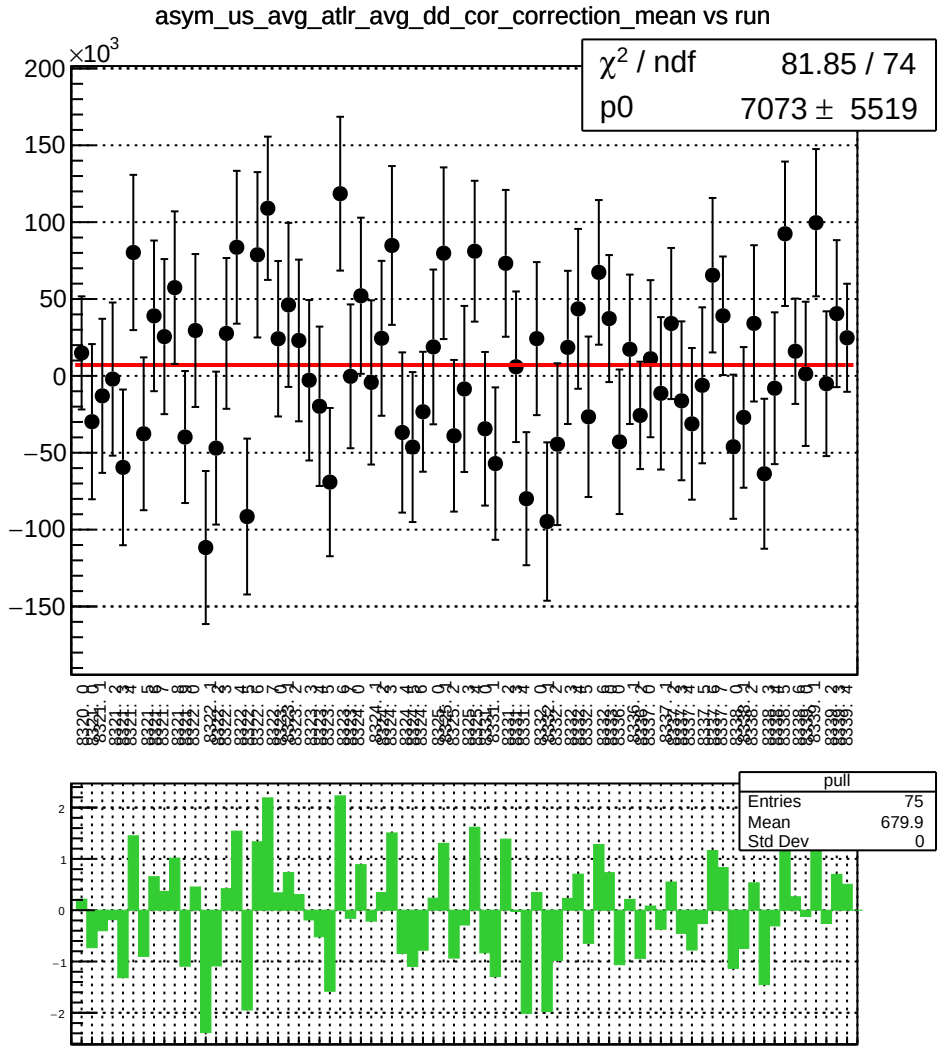

pull1D
Entries 75
Mean 0.001563
Std Dev 1.045

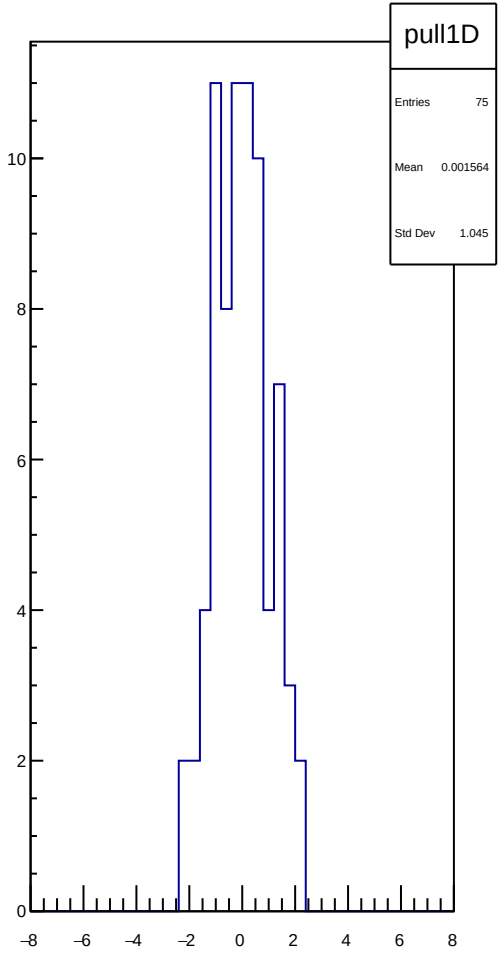

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 1997 / 74
p0 4744 ± 3.902
5400
5200
5000
4800
4600
4400

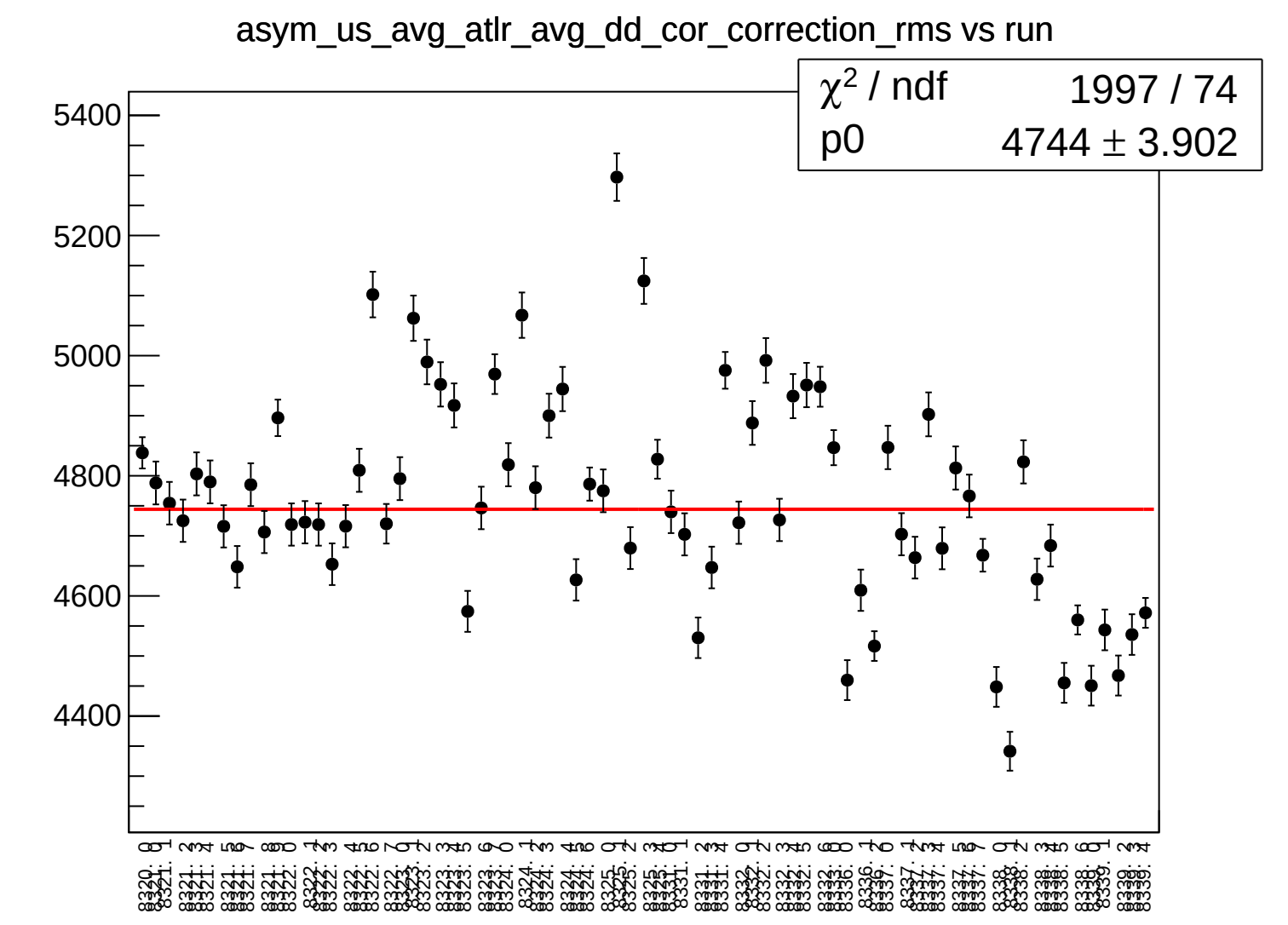

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 78.72 / 74
p0 −1596 ± 1305
pull
Entries 75
Mean 1073
Std Dev 0

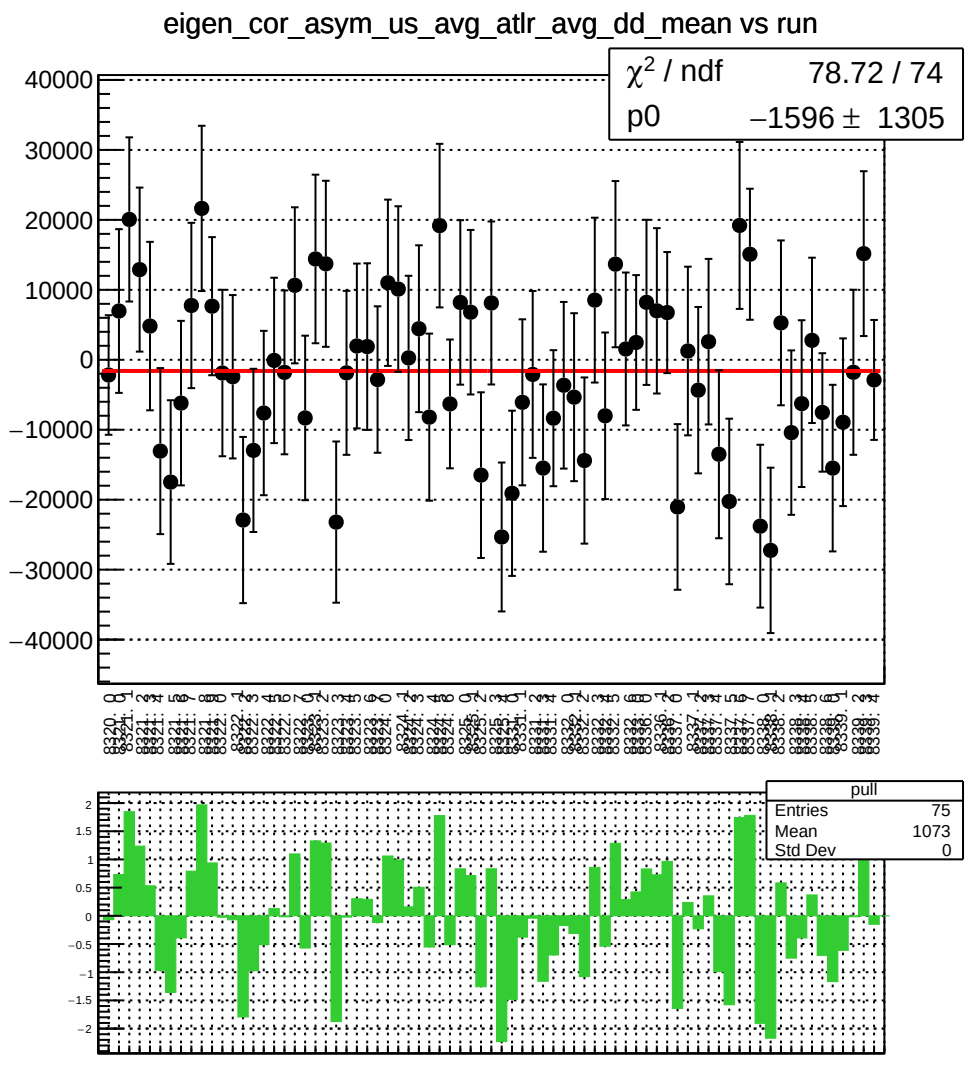

pull1D
Entries 75
Mean −0.003321
Std Dev 1.024

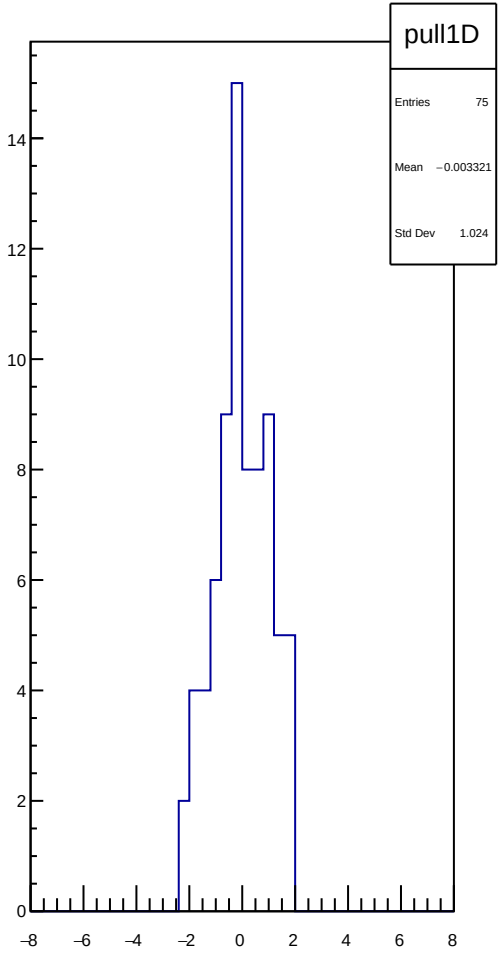

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 115.7 / 74
p0 1123 ± 0.9229
1160
1150
1140
1130
1120
1110
1100
1090
1080

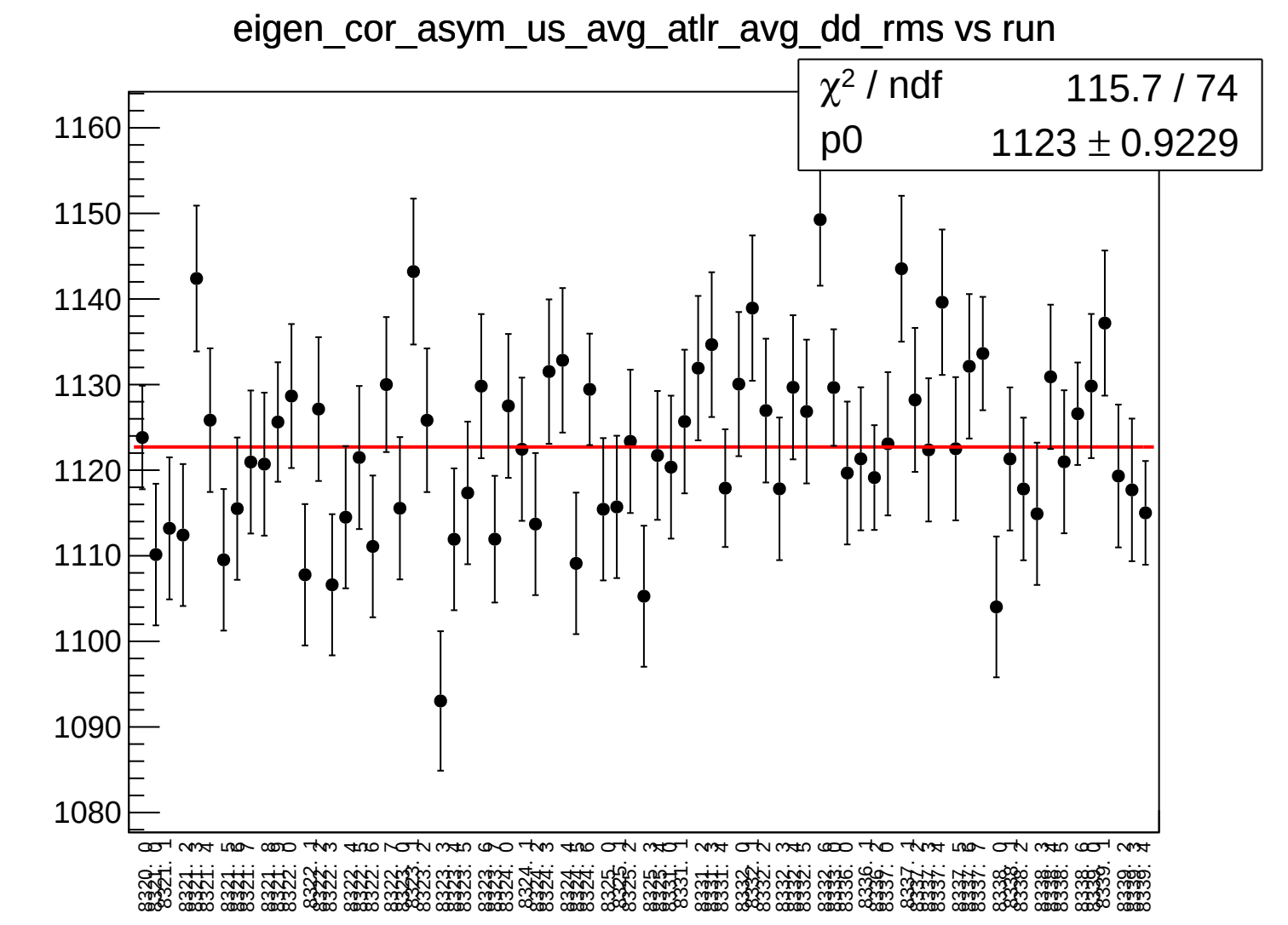

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
χ² / ndf 81.85 / 74
p0 7073 ± 5519
×10³
pull
Entries 75
Mean 679.9
Std Dev 0

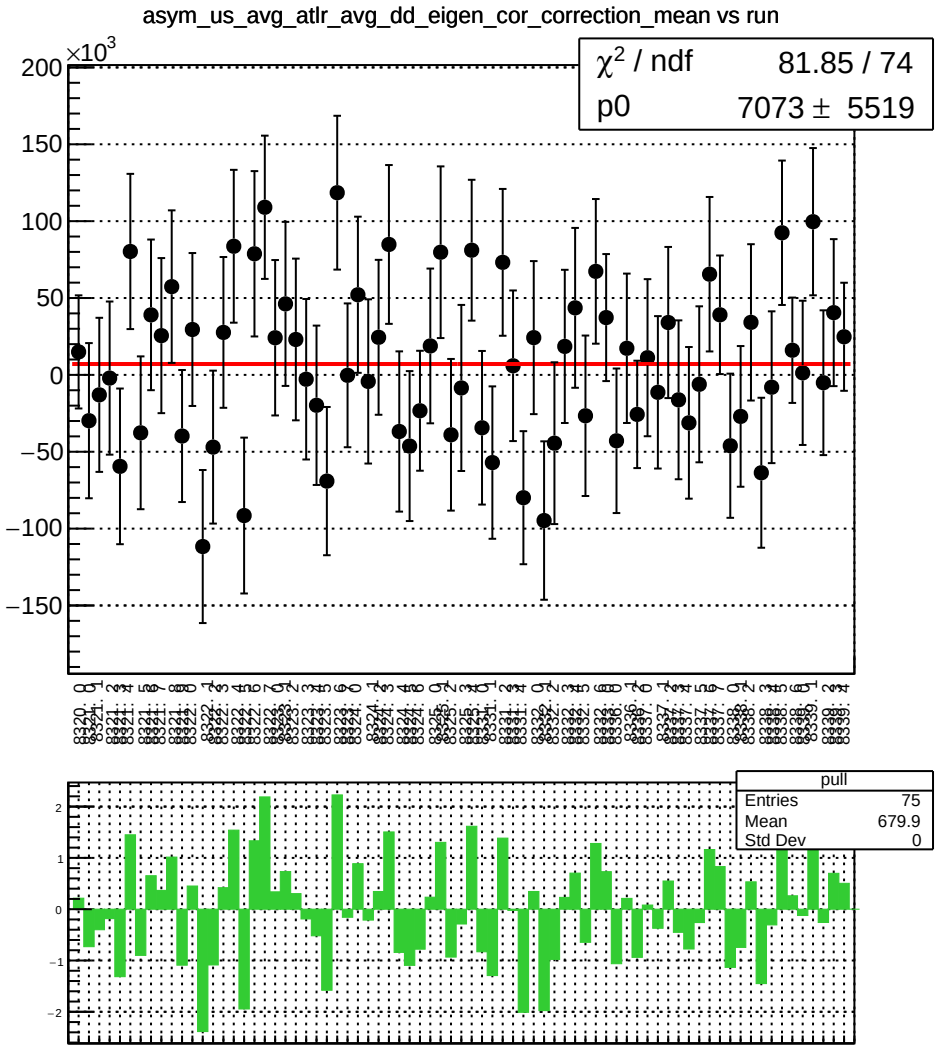

pull1D
Entries 75
Mean 0.001564
Std Dev 1.045

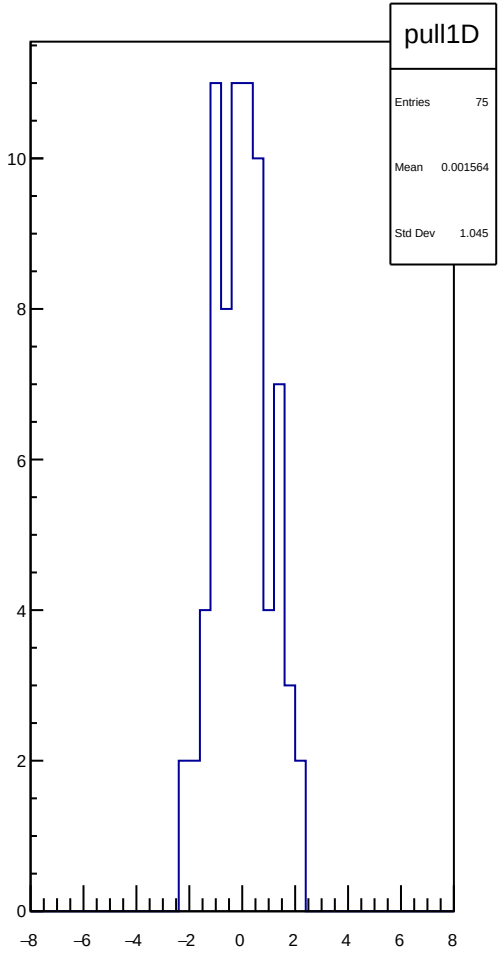

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 1997 / 74
p0 4744 ± 3.902
5400
5200
5000
4800
4600
4400

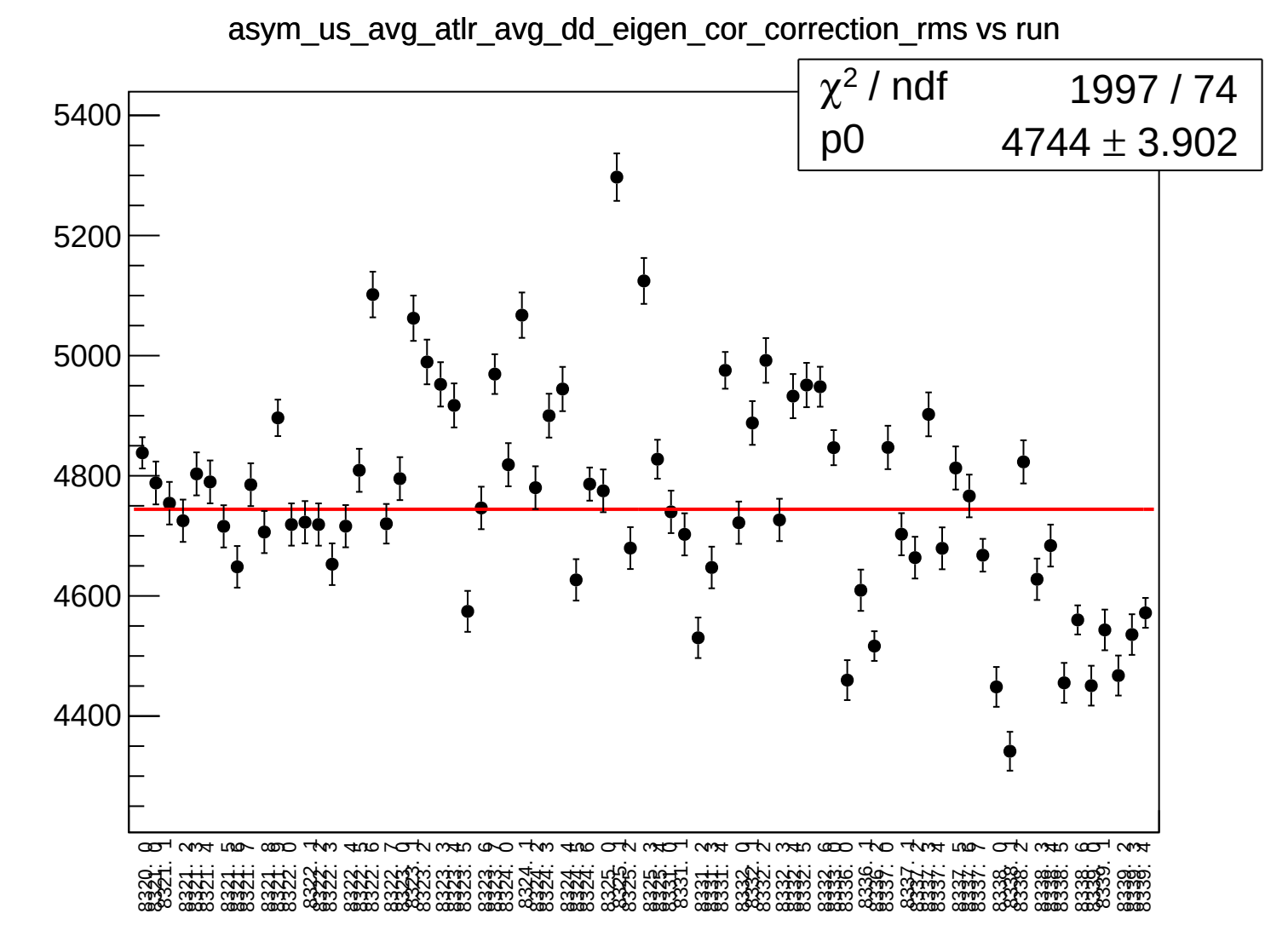

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 78.72 / 74
p0 −1596 ± 1305
pull
Entries 75
Mean 1073
Std Dev 0

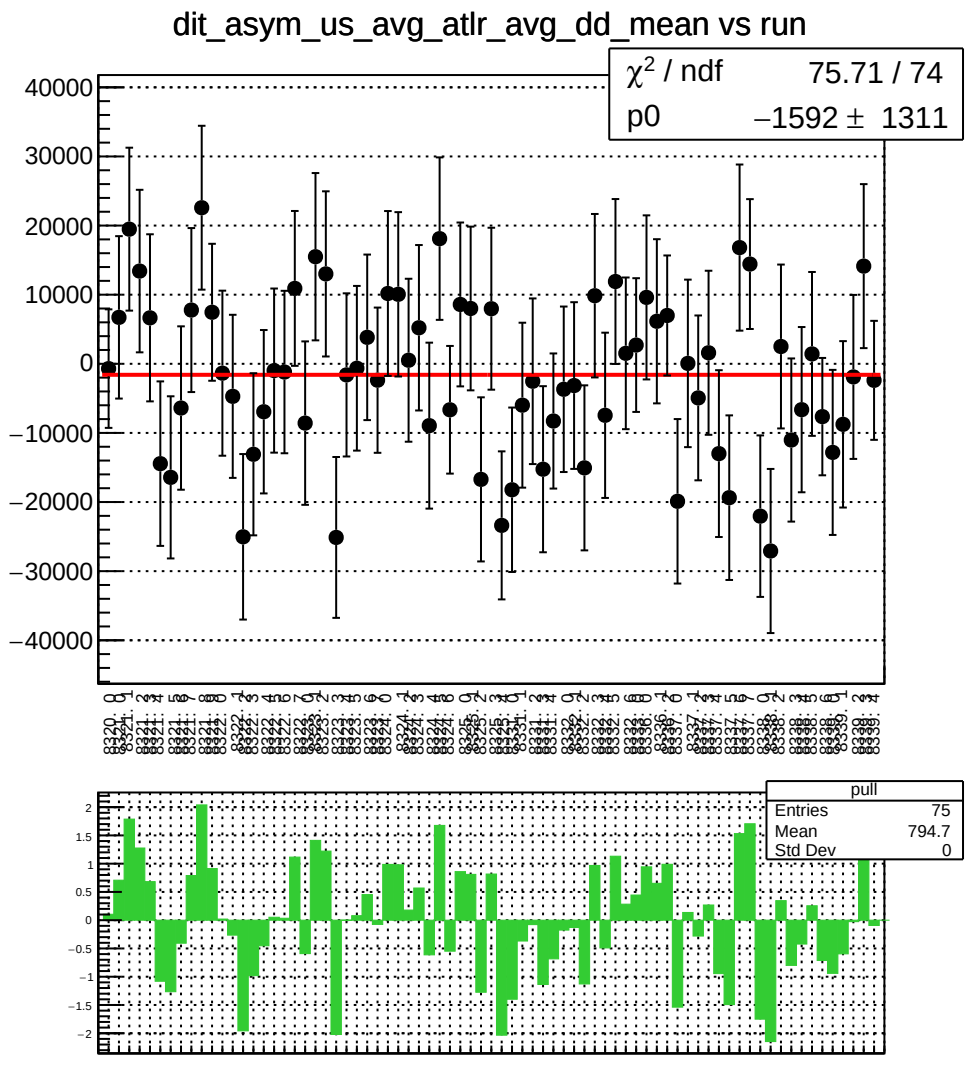

pull1D
Entries 75
Mean −0.003321
Std Dev 1.024

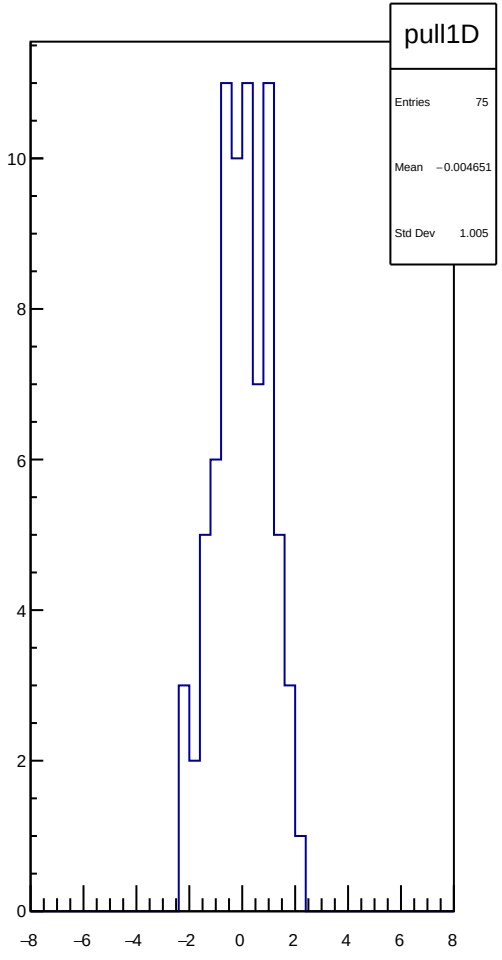

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 115.7 / 74
p0 1123 ± 0.9229
1160
1150
1140
1130
1120
1110
1100
1090
1080

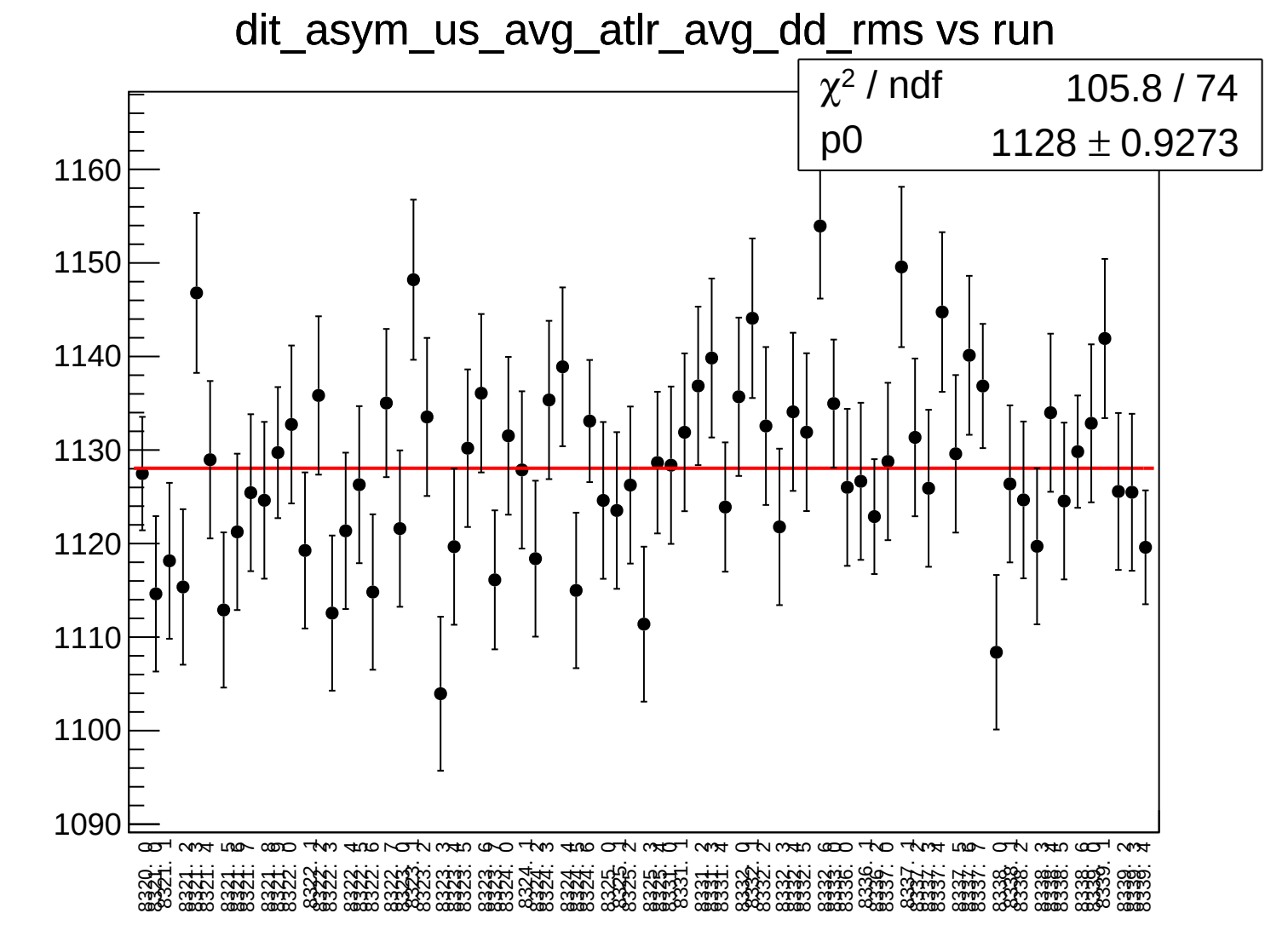

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.85 / 74
p0 7073 ± 5519
pull
Entries 75
Mean 679.9
Std Dev 0

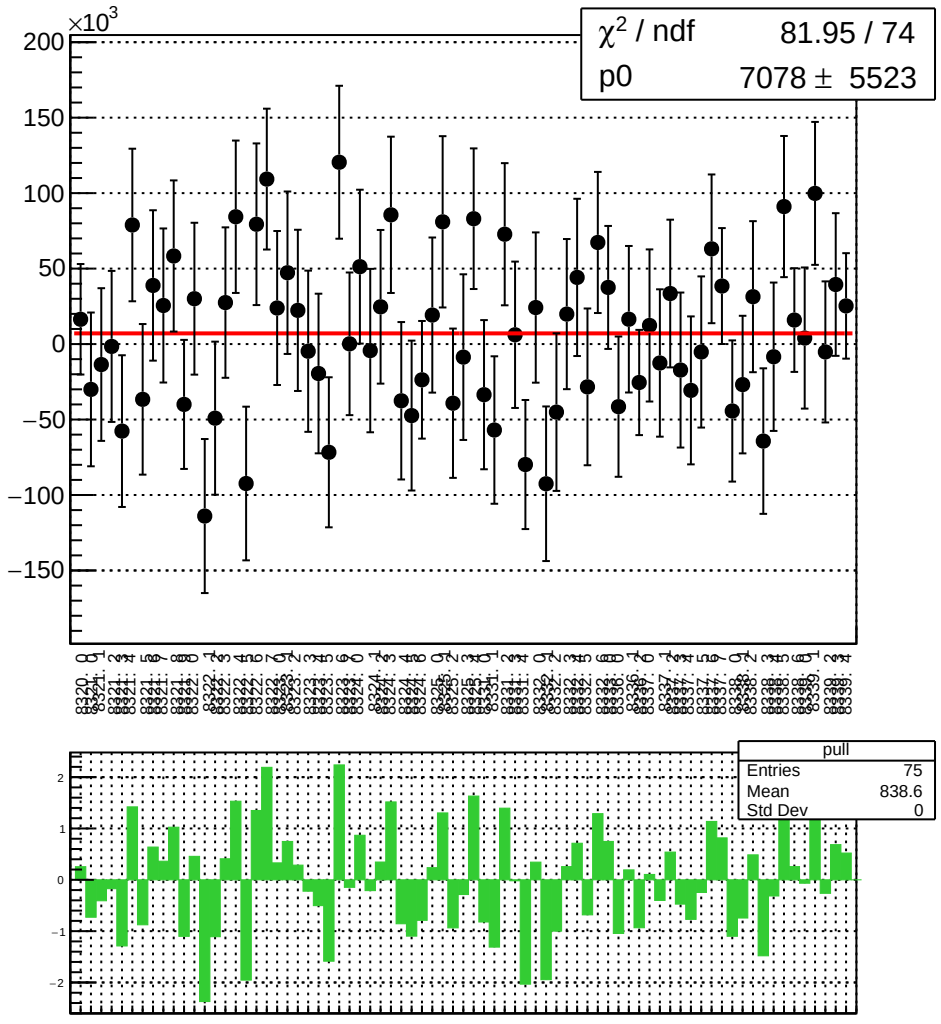

pull1D
Entries 75
Mean 0.001564
Std Dev 1.045

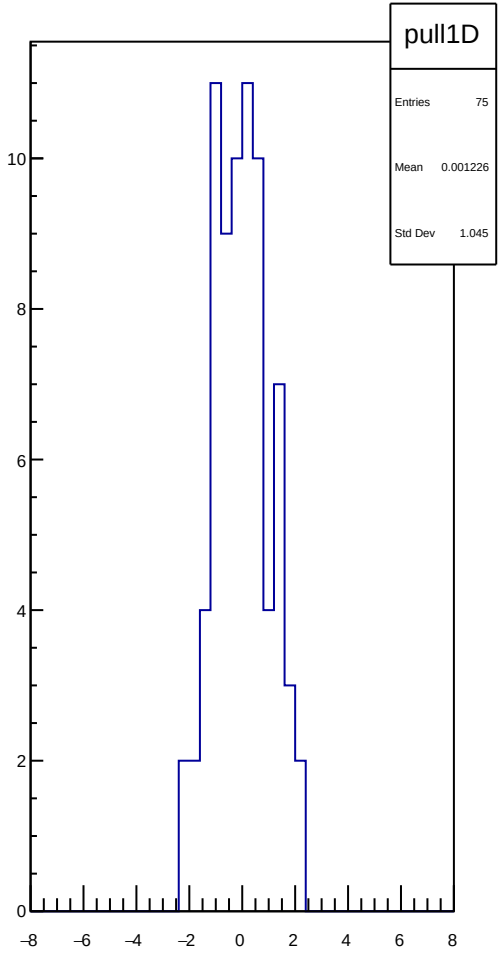

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1997 / 74
p0 4744 ± 3.902
5400
5200
5000
4800
4600
4400

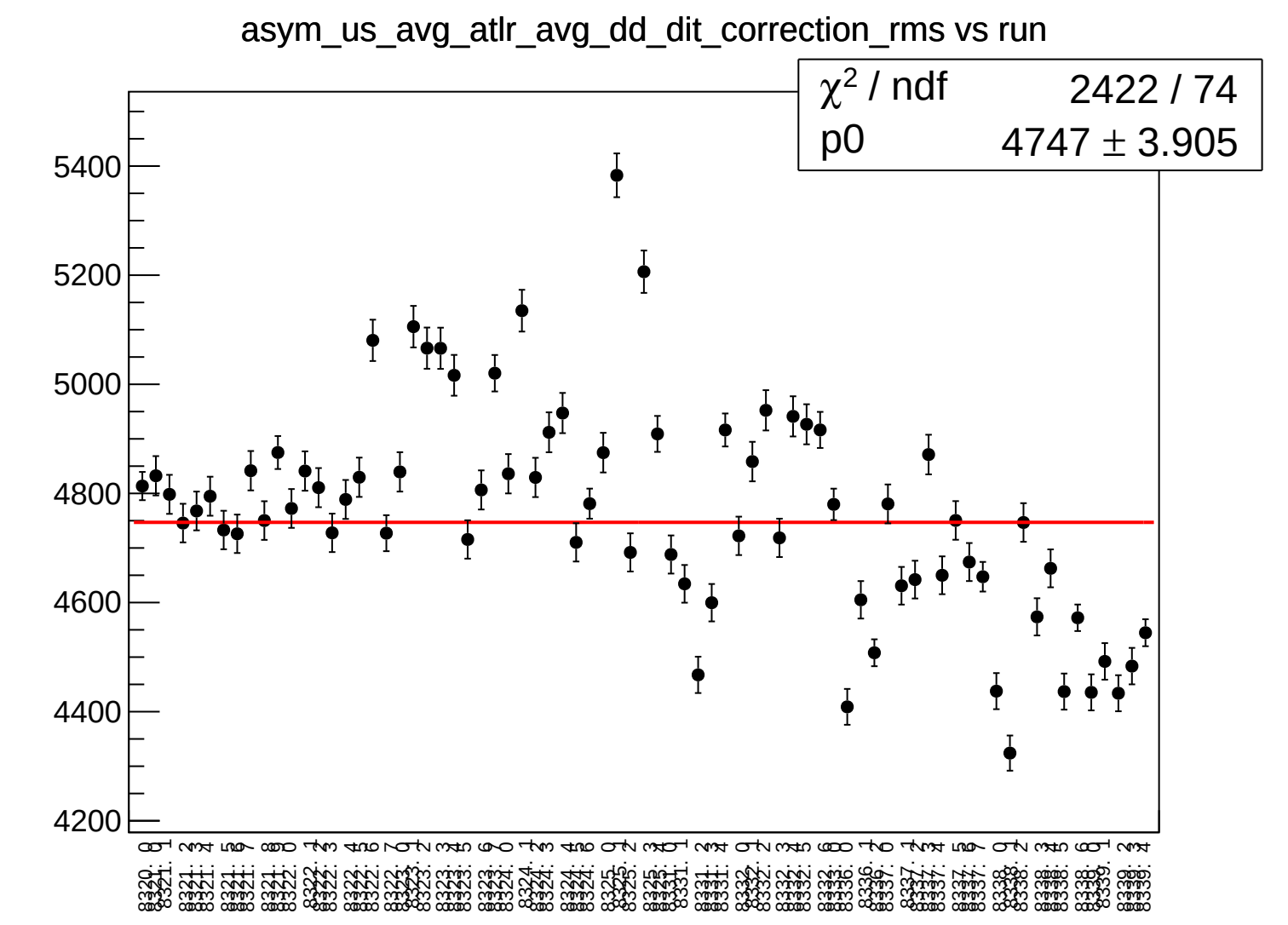

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 75.71 / 74
p0 −1592 ± 1311
pull
Entries 75
Mean 794.7
Std Dev 0

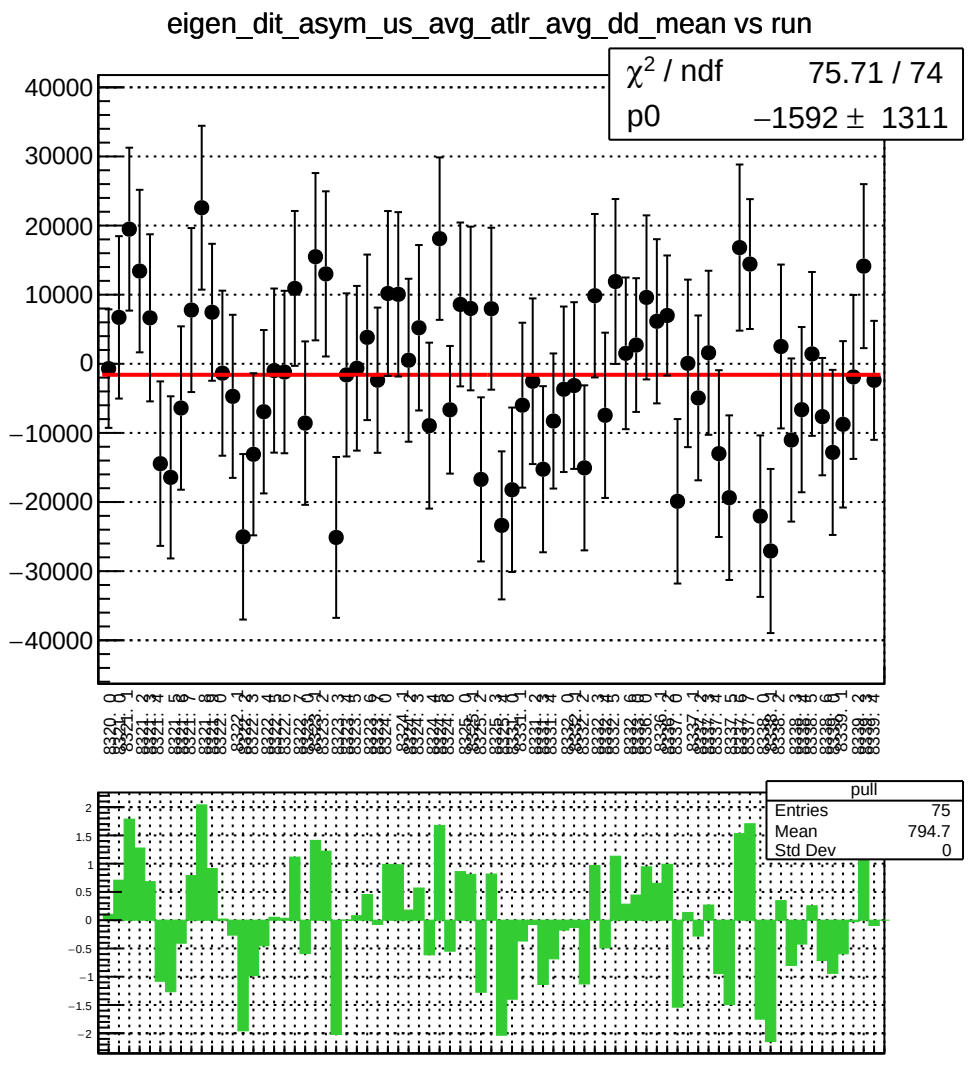

pull1D
Entries 75
Mean −0.004651
Std Dev 1.005

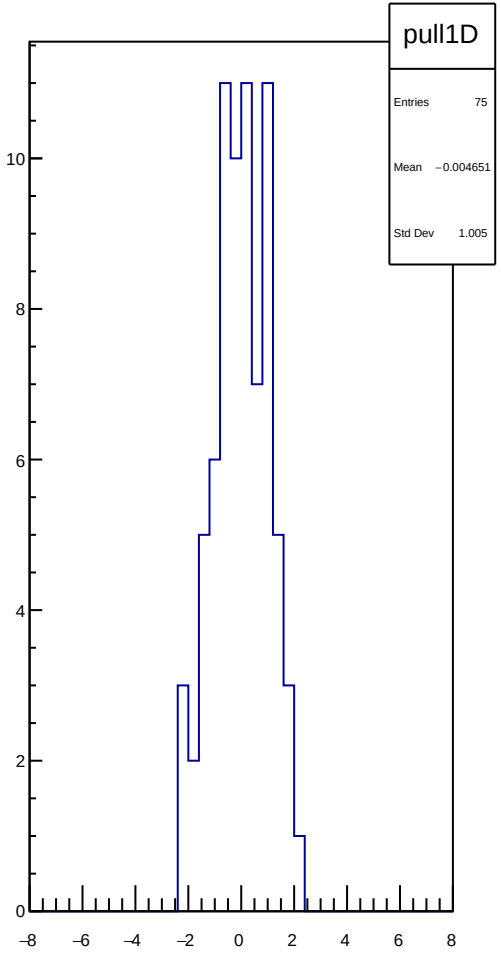

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 105.8 / 74
p0 1128 ± 0.9273
1160
1150
1140
1130
1120
1110
1100
1090

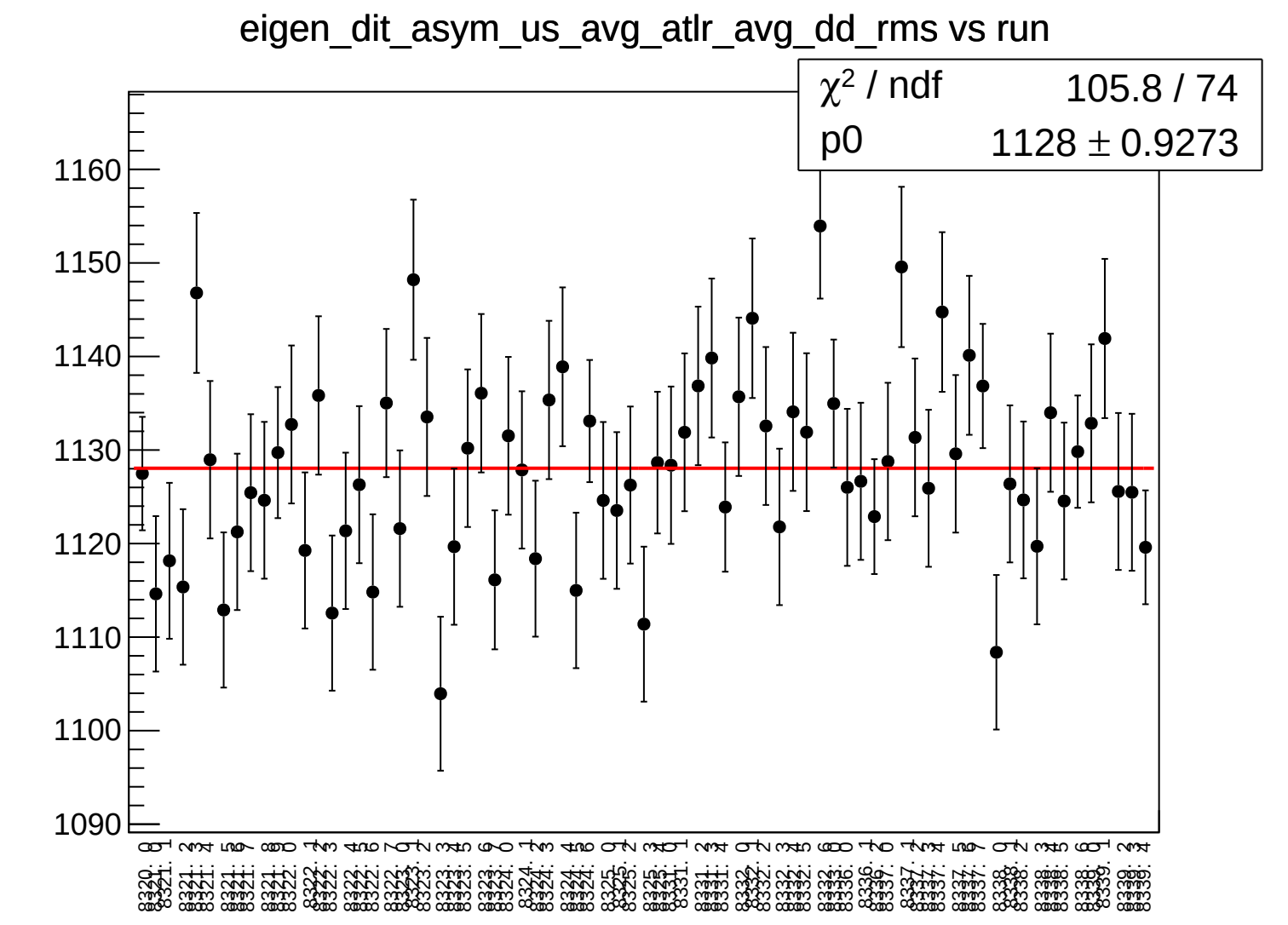

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 81.95 / 74
p0 7078 ± 5523
pull
Entries 75
Mean 838.6
Std Dev 0

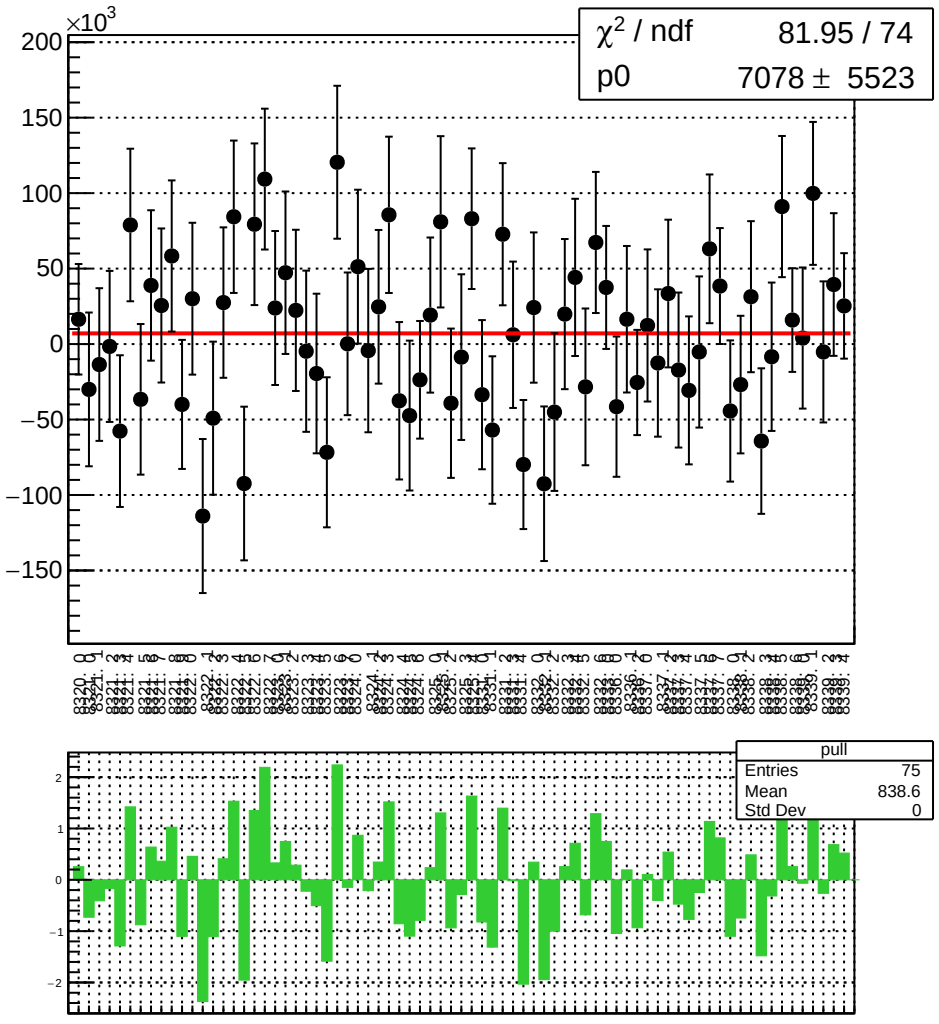

pull1D
Entries 75
Mean 0.001226
Std Dev 1.045

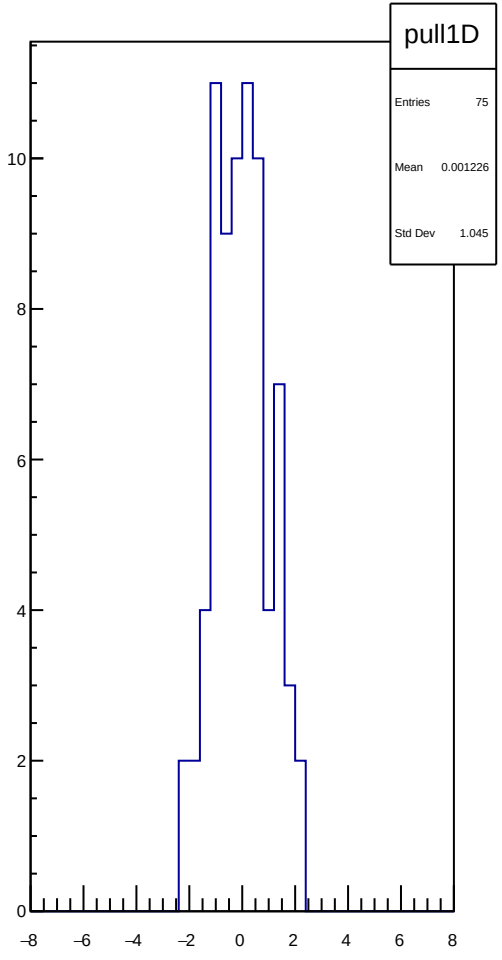

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 2422 / 74
p0 4747 ± 3.905
5400
5200
5000
4800
4600
4400
4200

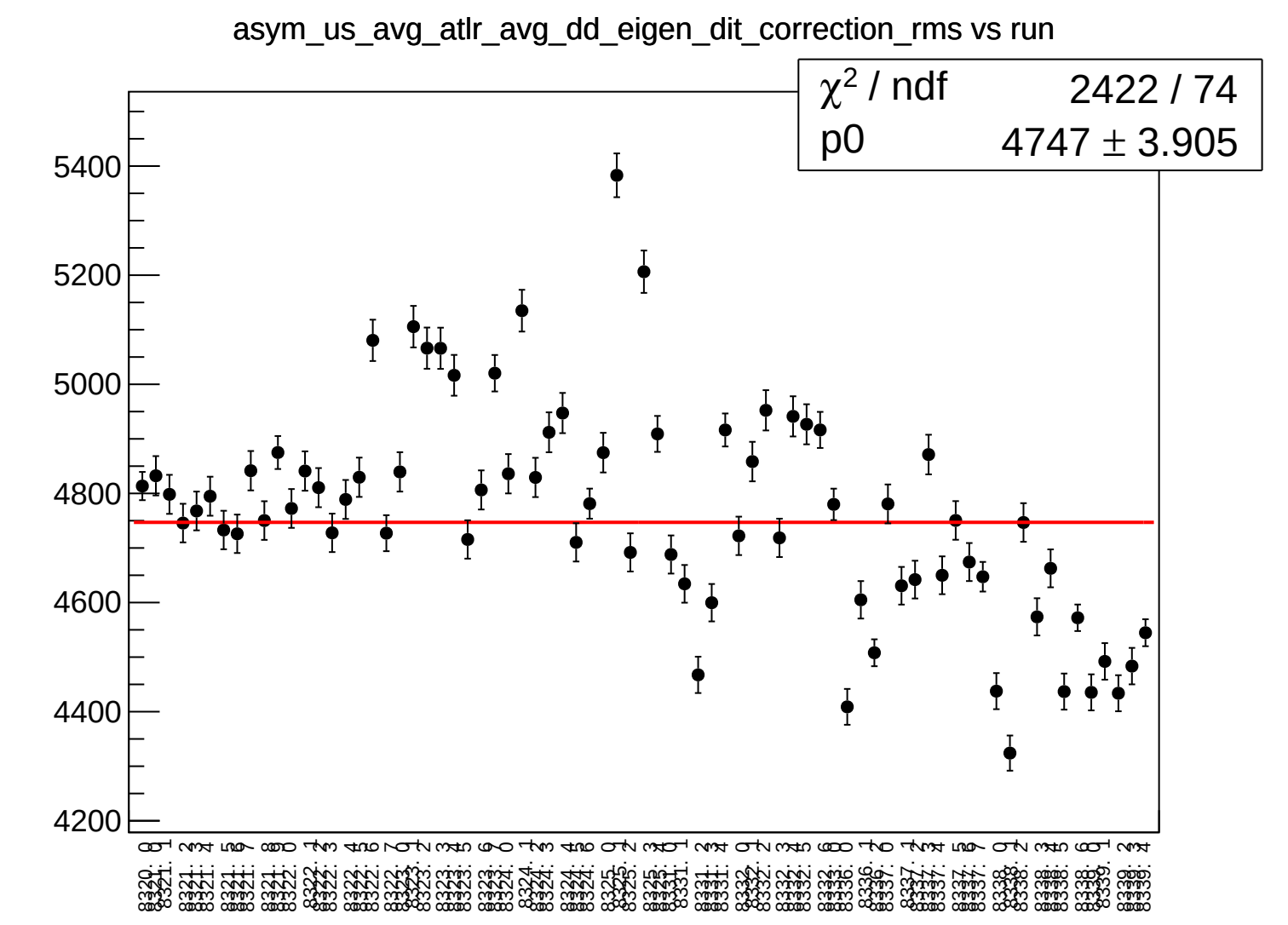

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 75.71 / 74
p0 −1592 ± 1311
pull
Entries 75
Mean 794.7
Std Dev 0

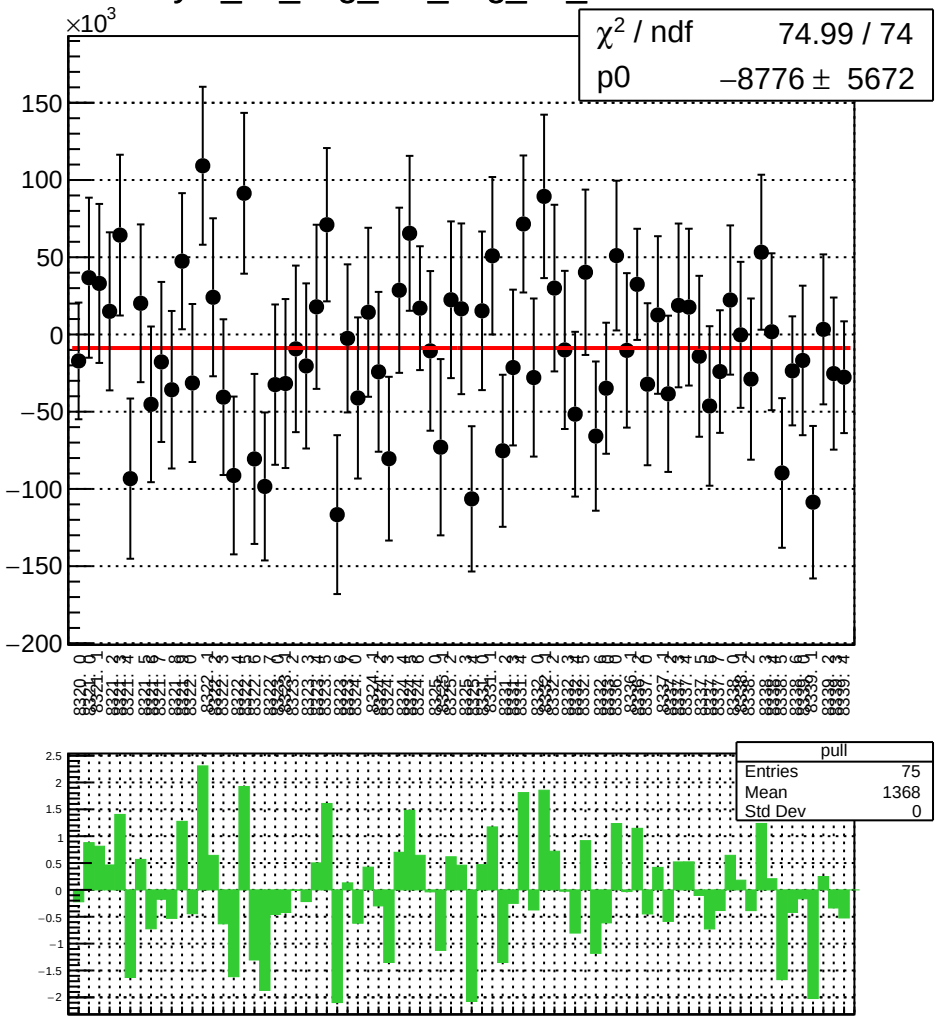

pull1D
Entries 75
Mean −0.004651
Std Dev 1.005

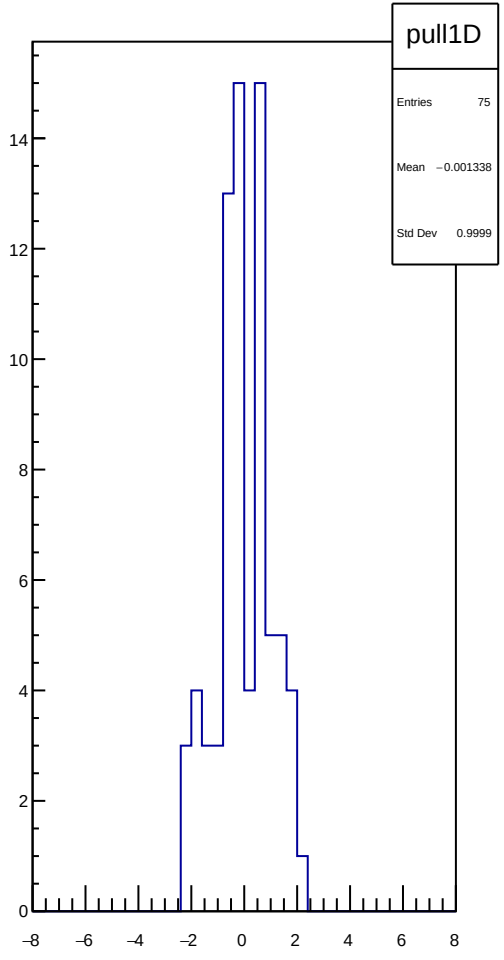

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 105.8 / 74
p0 1128 ± 0.9273
1160
1150
1140
1130
1120
1110
1100
1090

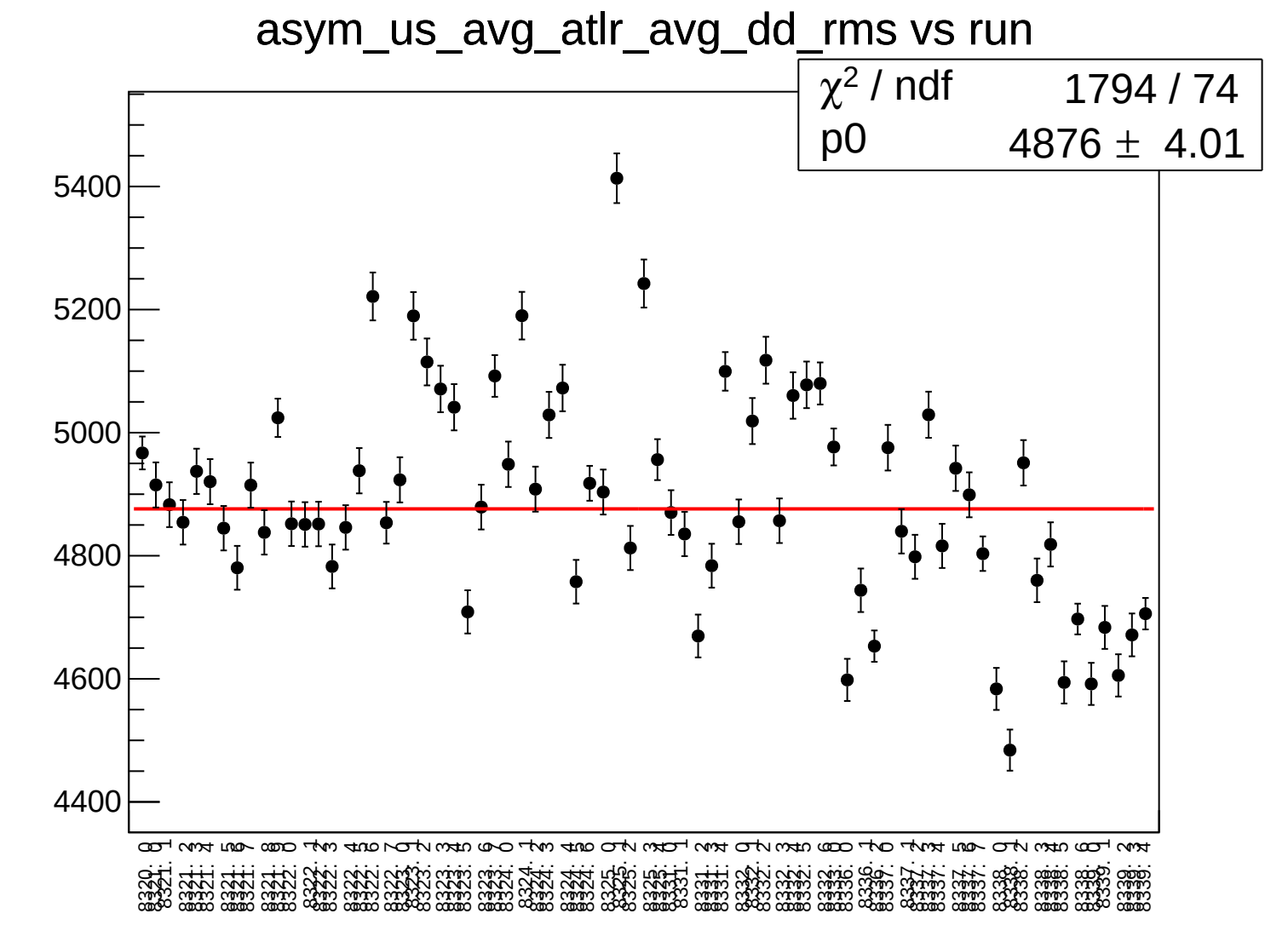

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.95 / 74
p0 7078 ± 5523
200
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 838.6
Std Dev 0
2
1
0
−1
−2

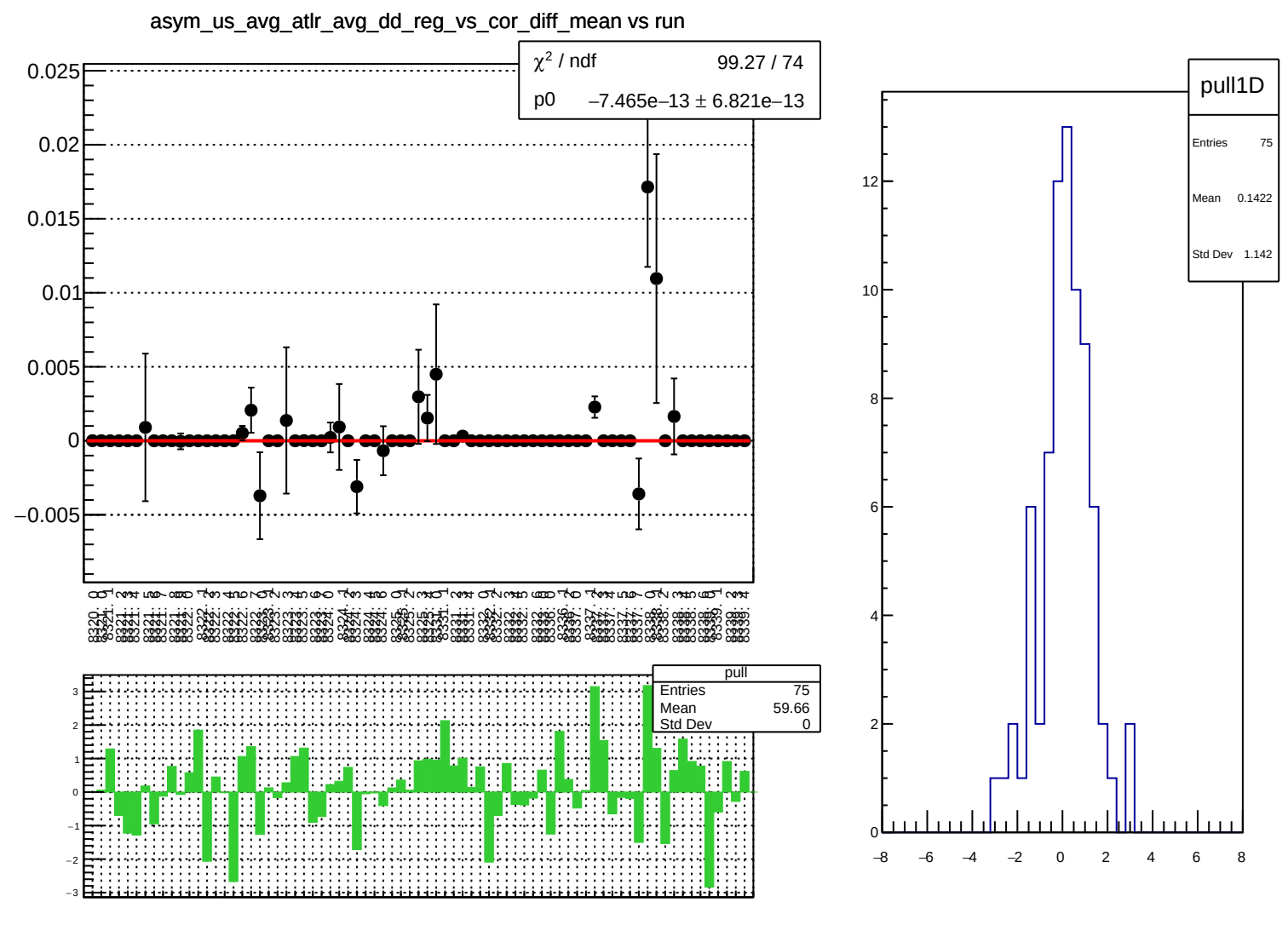

pull1D
Entries 75
Mean 0.001226
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

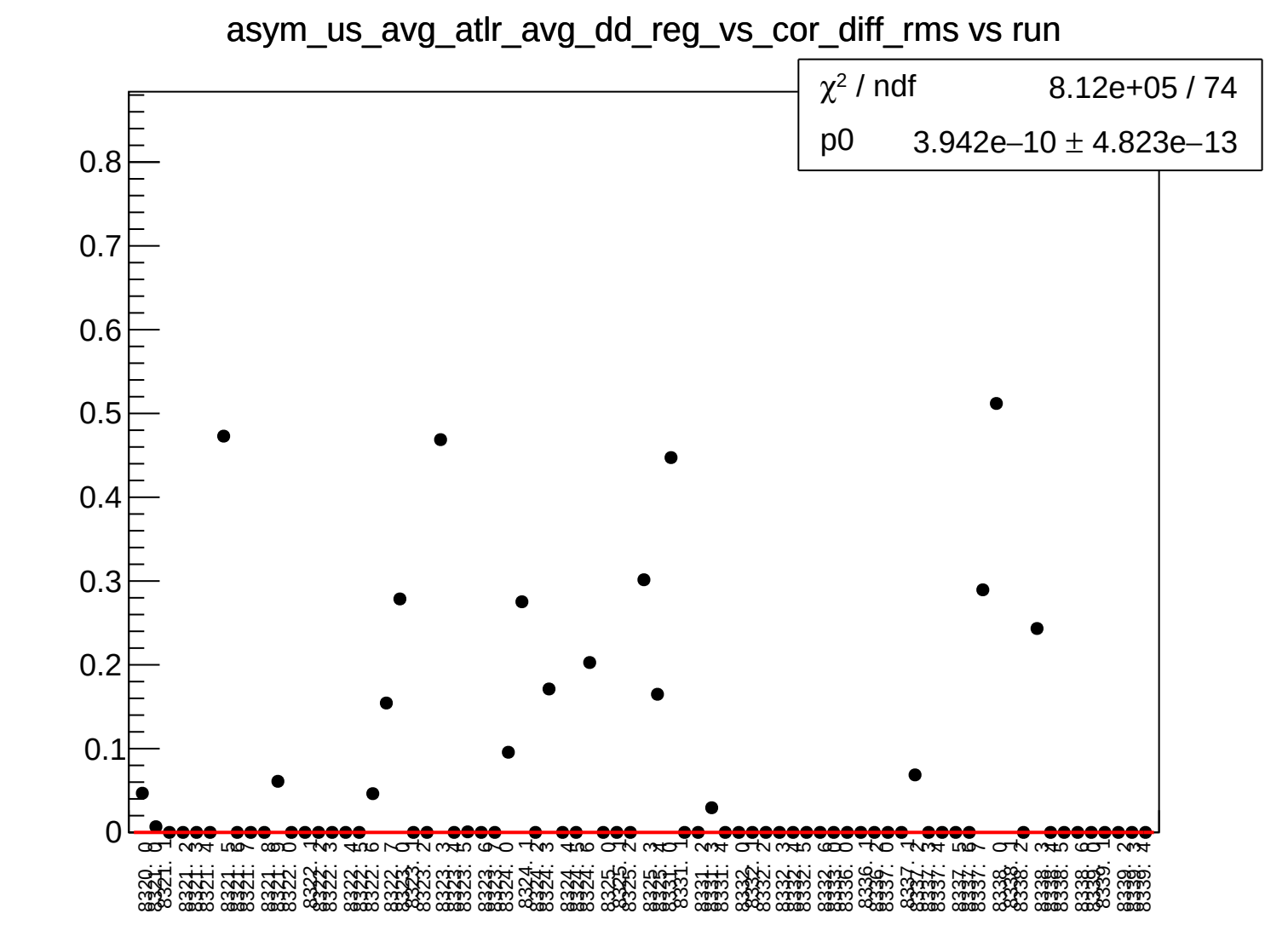

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2422 / 74
p0 4747 ± 3.905
5400
5200
5000
4800
4600
4400
4200

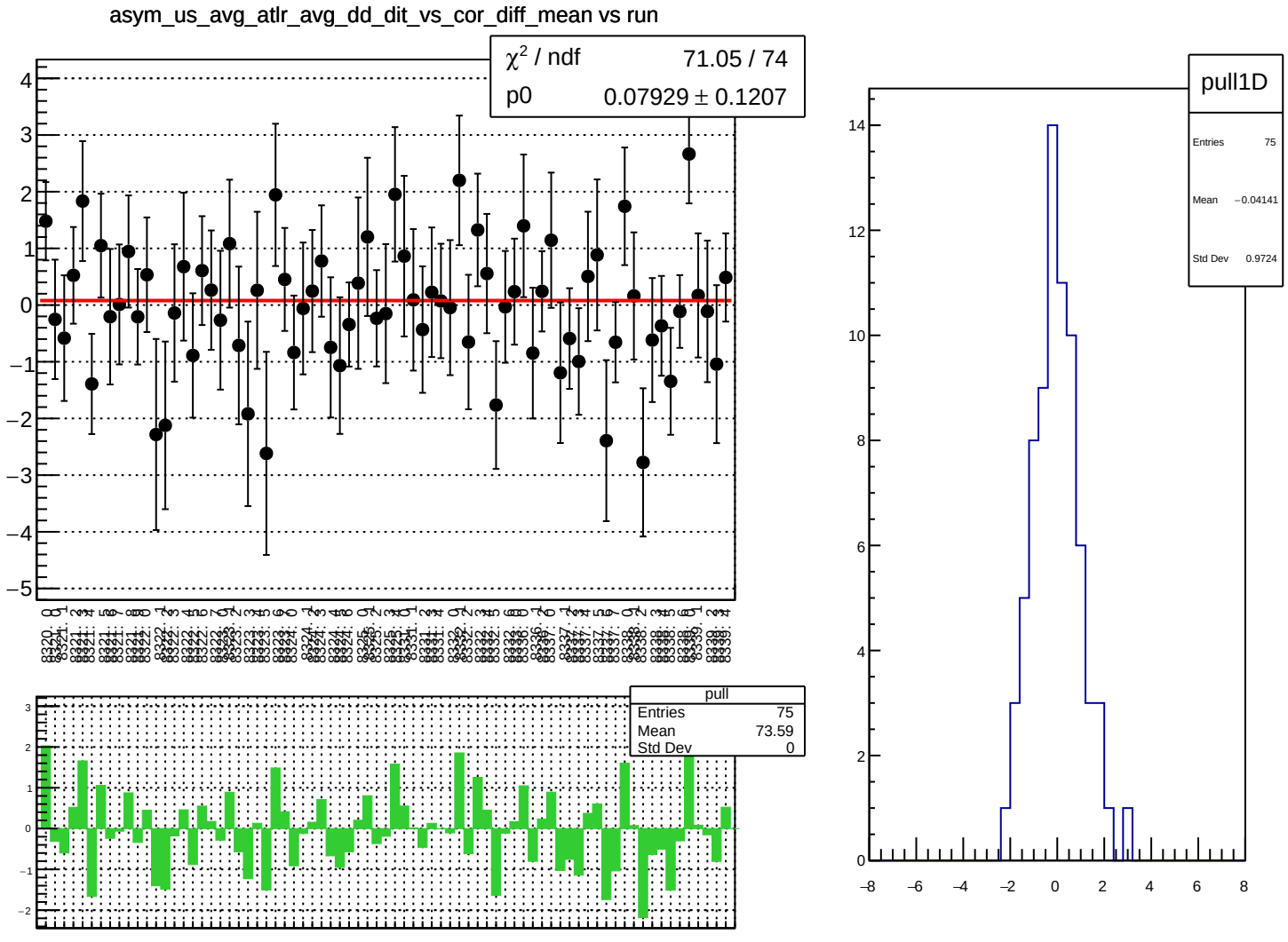

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ^2 / ndf 74.99 / 74
p0 −8776 ± 5672
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 1368
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

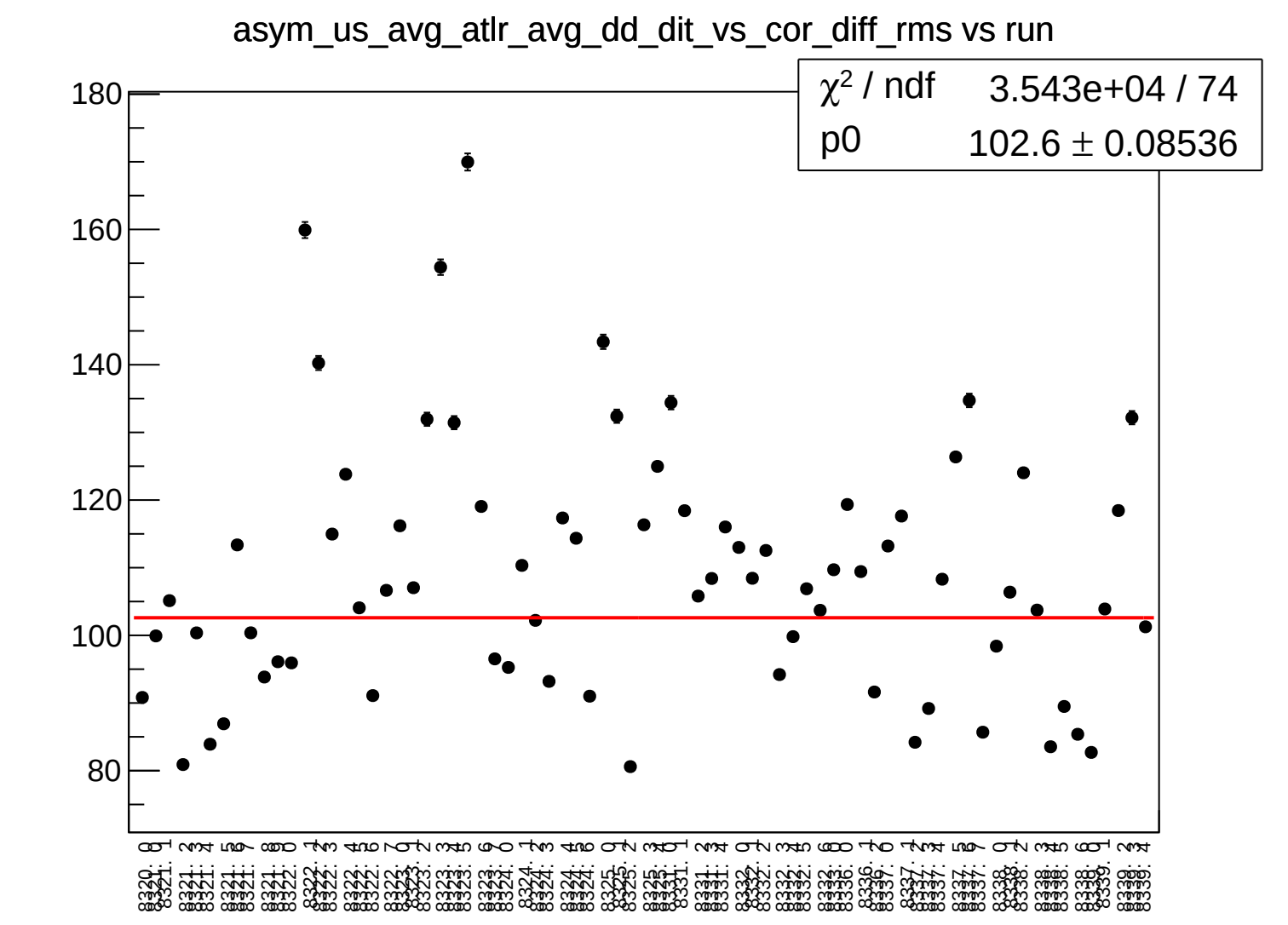

pull1D
Entries 75
Mean −0.001338
Std Dev 0.9999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

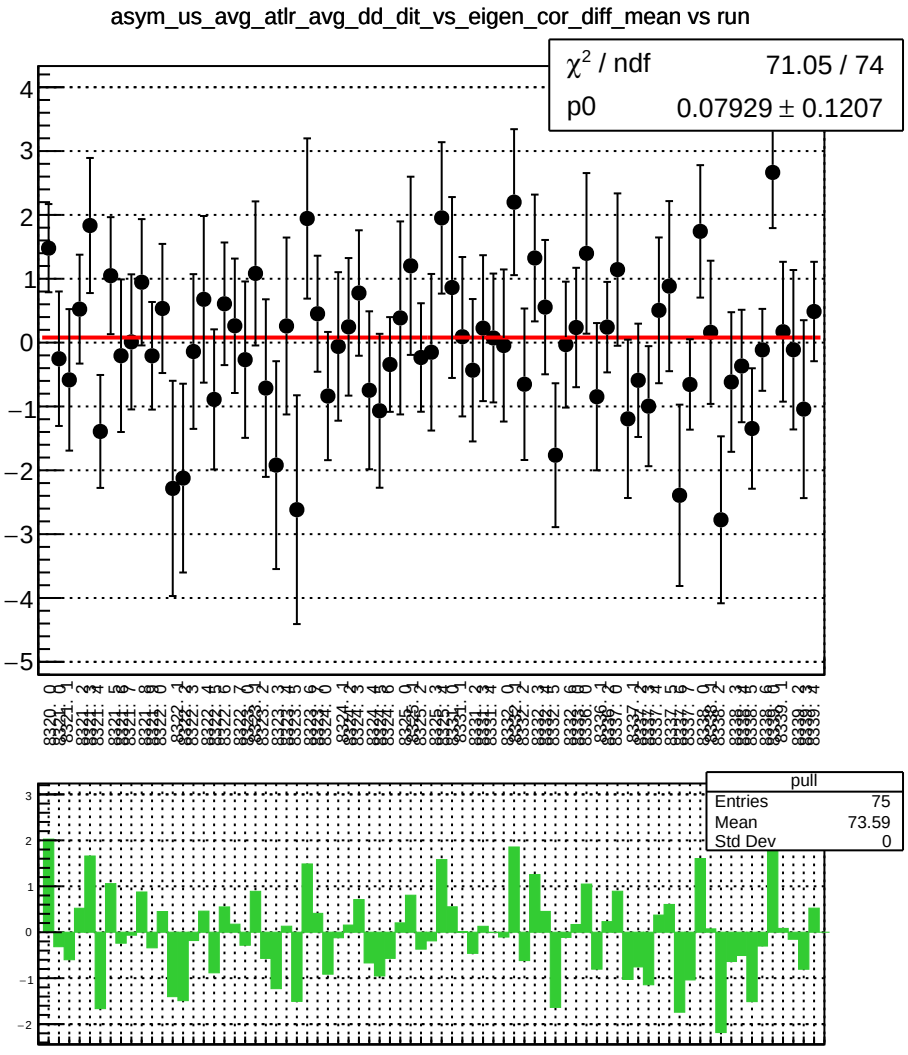

asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1794 / 74
p0 4876 ± 4.01
5400
5200
5000
4800
4600
4400

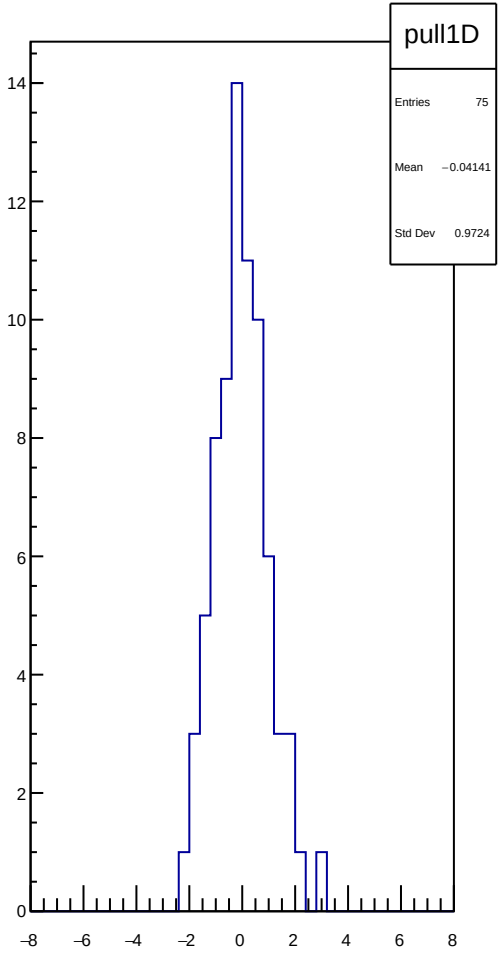

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 99.27 / 74
p0 −7.465e−13 ± 6.821e−13
pull
Entries 75
Mean 59.66
Std Dev 0
pull1D
Entries 75
Mean 0.1422
Std Dev 1.142

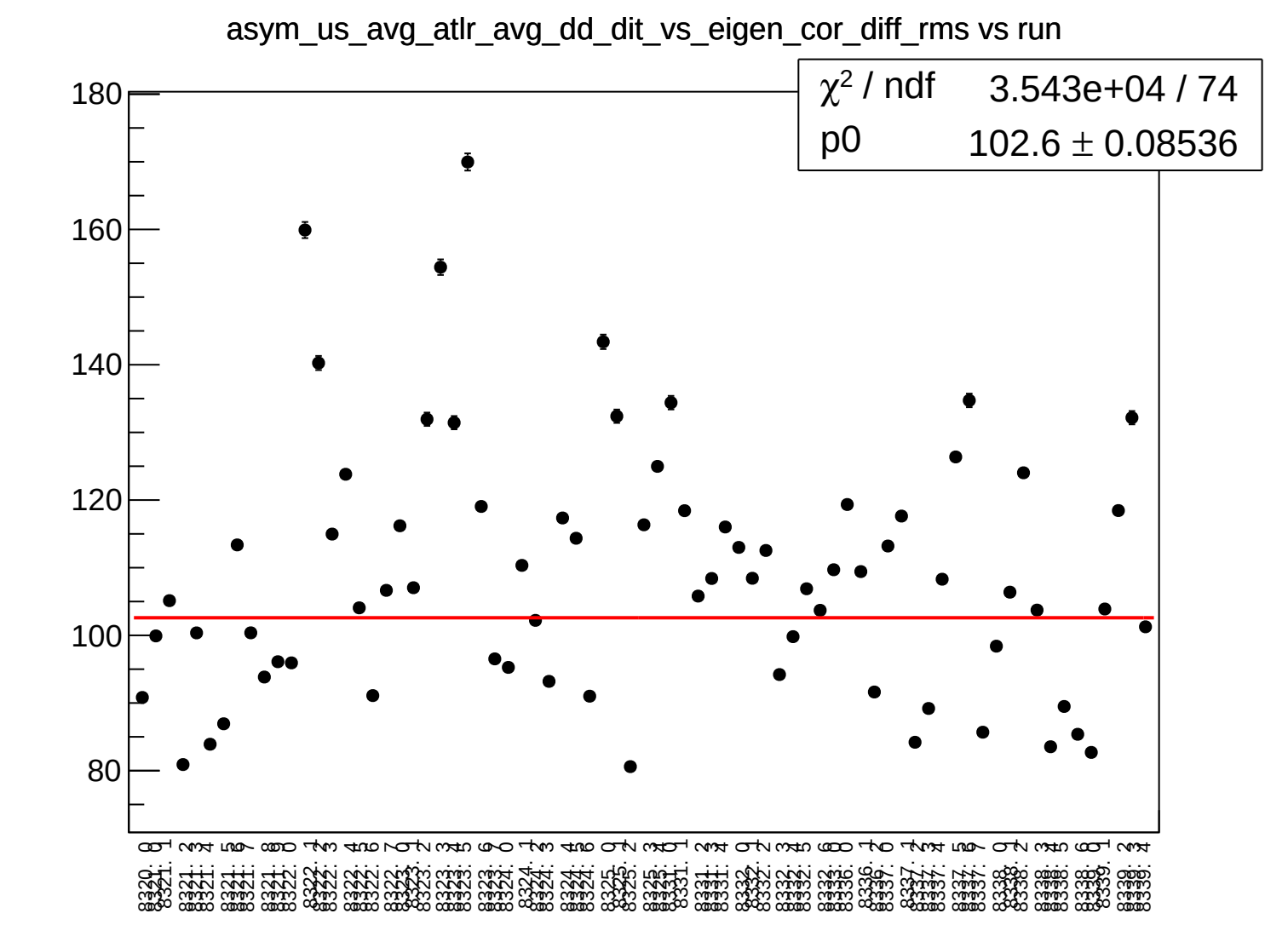

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.12e+05 / 74
p0 3.942e−10 ± 4.823e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

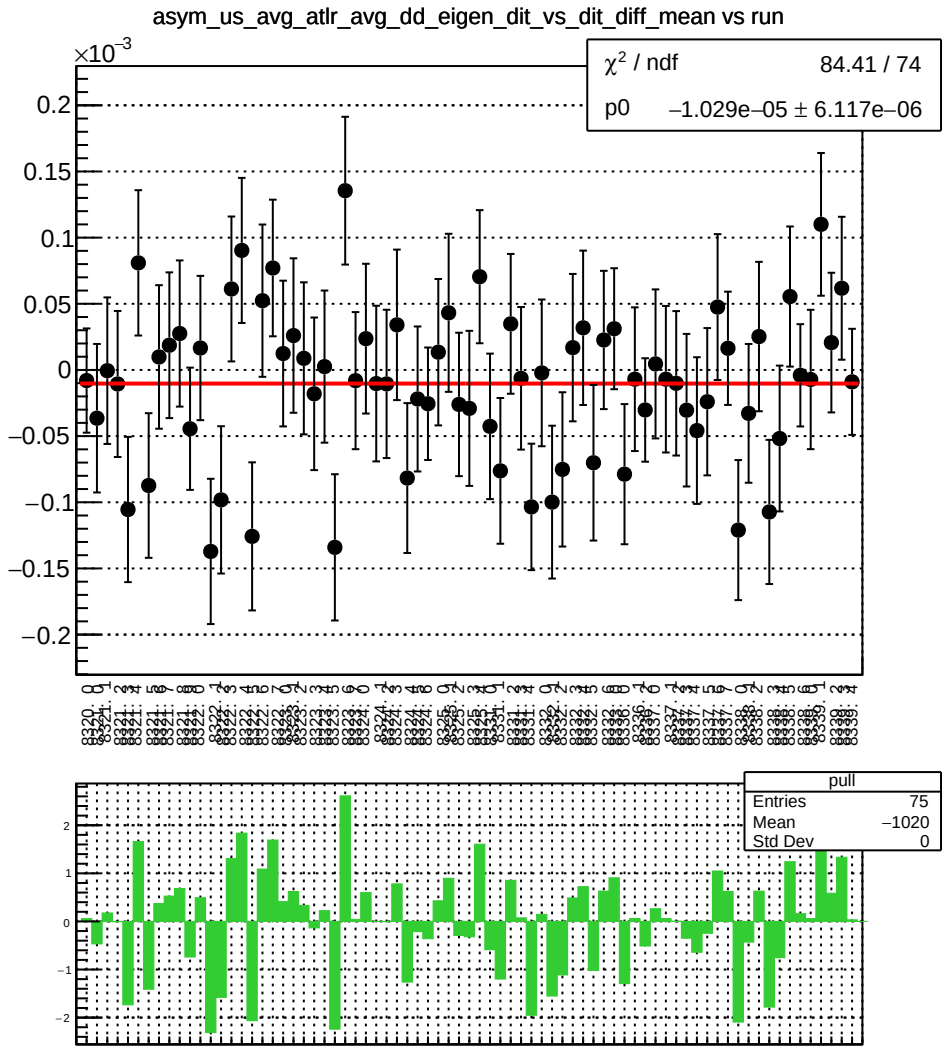

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 71.05 / 74
p0 0.07929 ± 0.1207
pull
Entries 75
Mean 73.59
Std Dev 0
pull1D
Entries 75
Mean −0.04141
Std Dev 0.9724

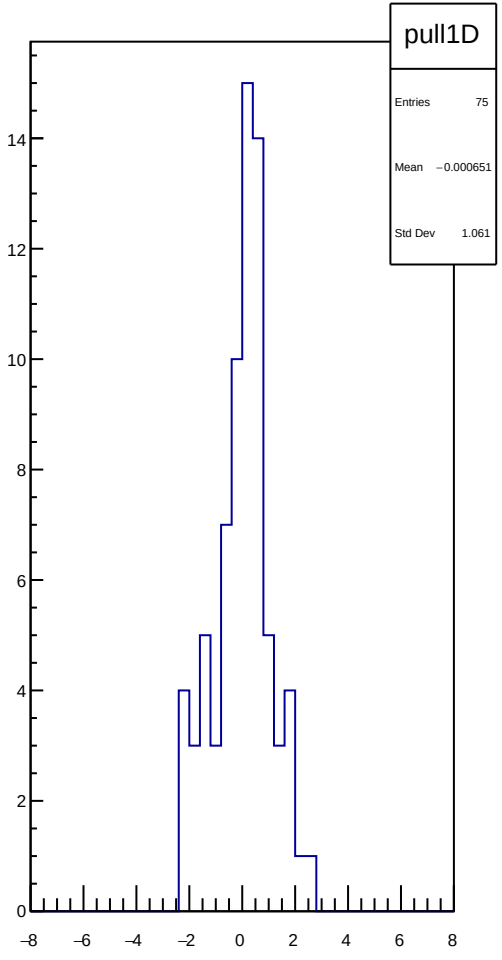

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.543e+04 / 74
p0 102.6 ± 0.08536
180
160
140
120
100
80

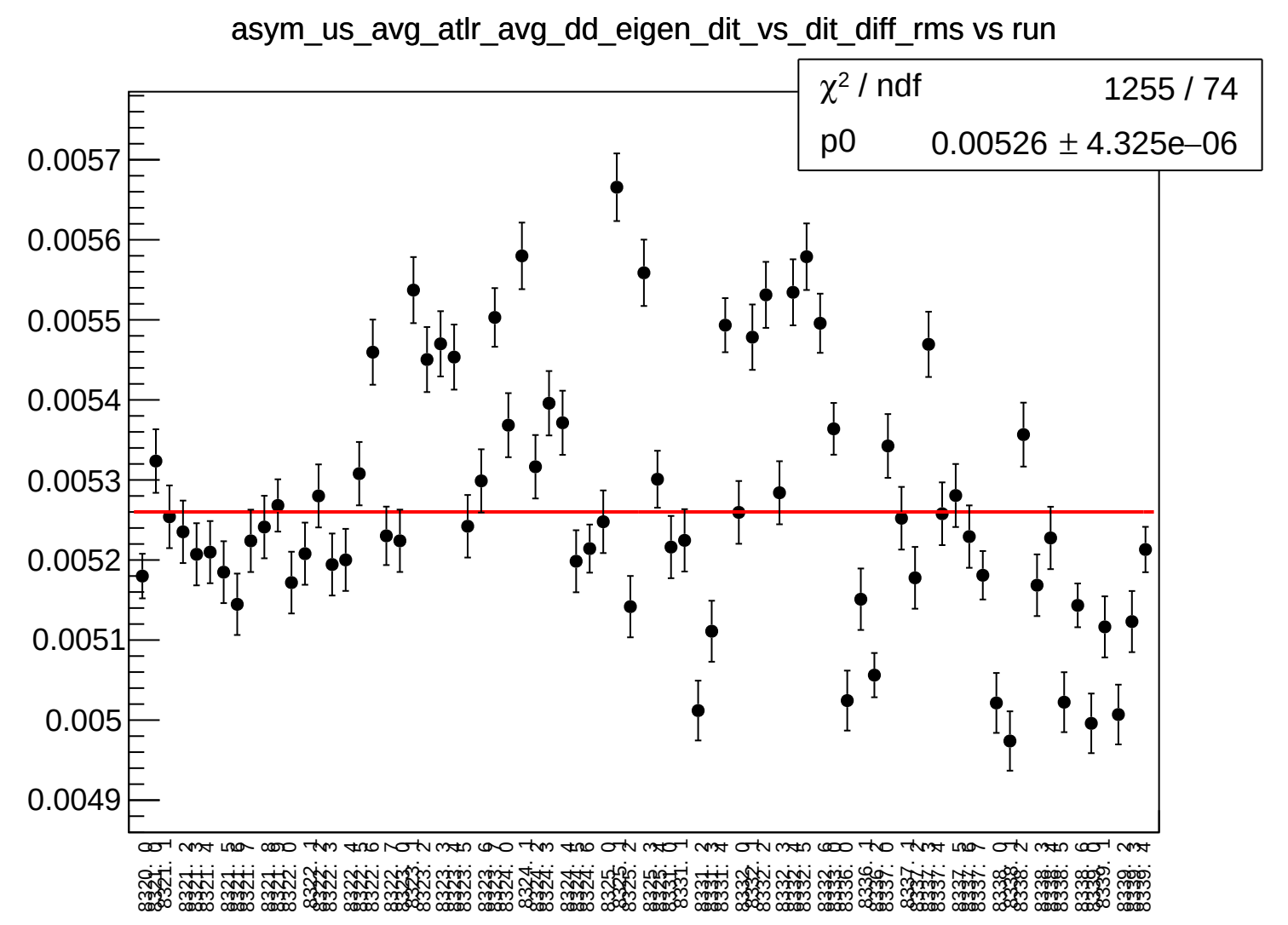

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.05 / 74
p0 0.07929 ± 0.1207
pull
Entries 75
Mean 73.59
Std Dev 0

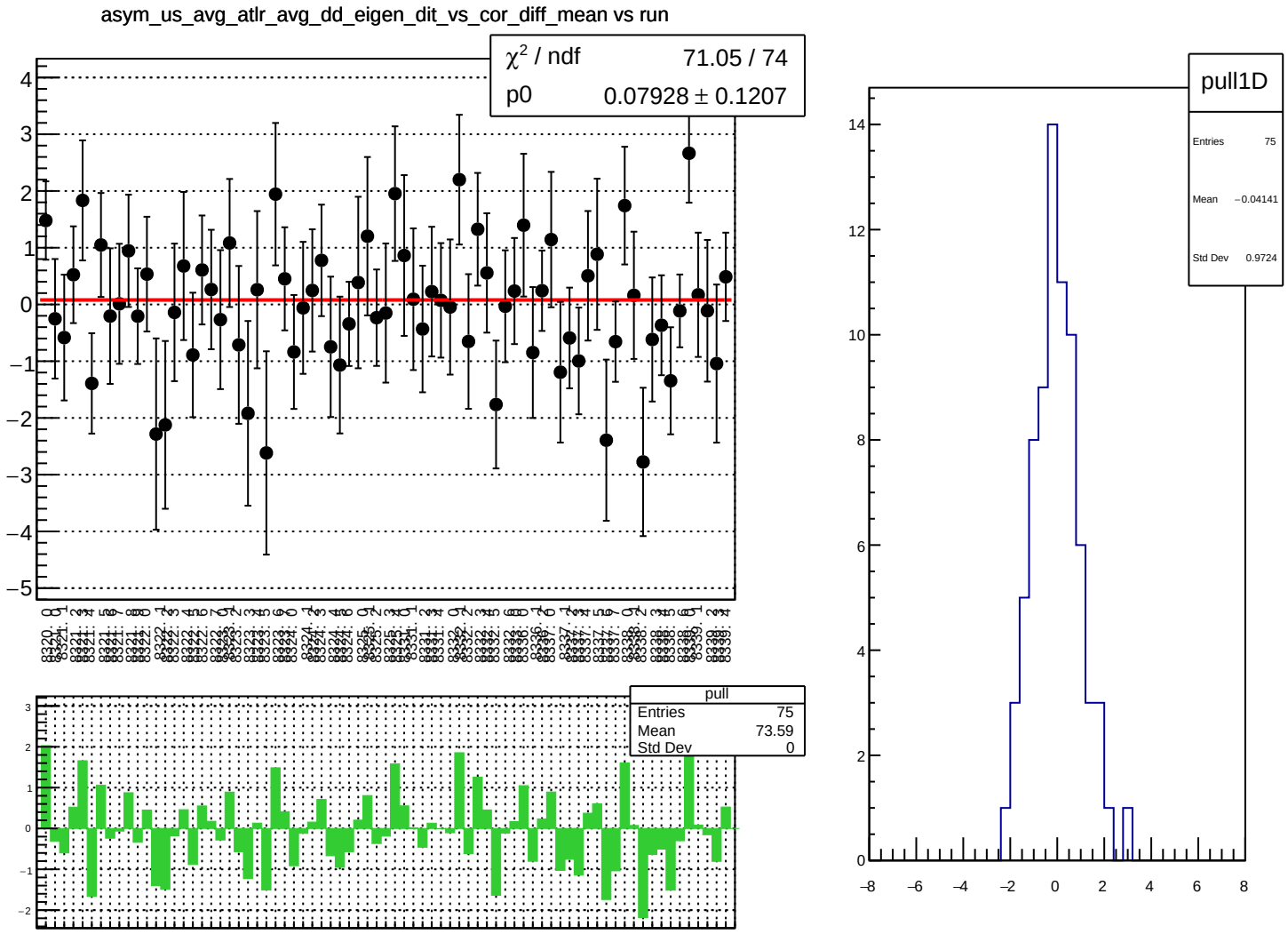

pull1D
Entries 75
Mean −0.04141
Std Dev 0.9724

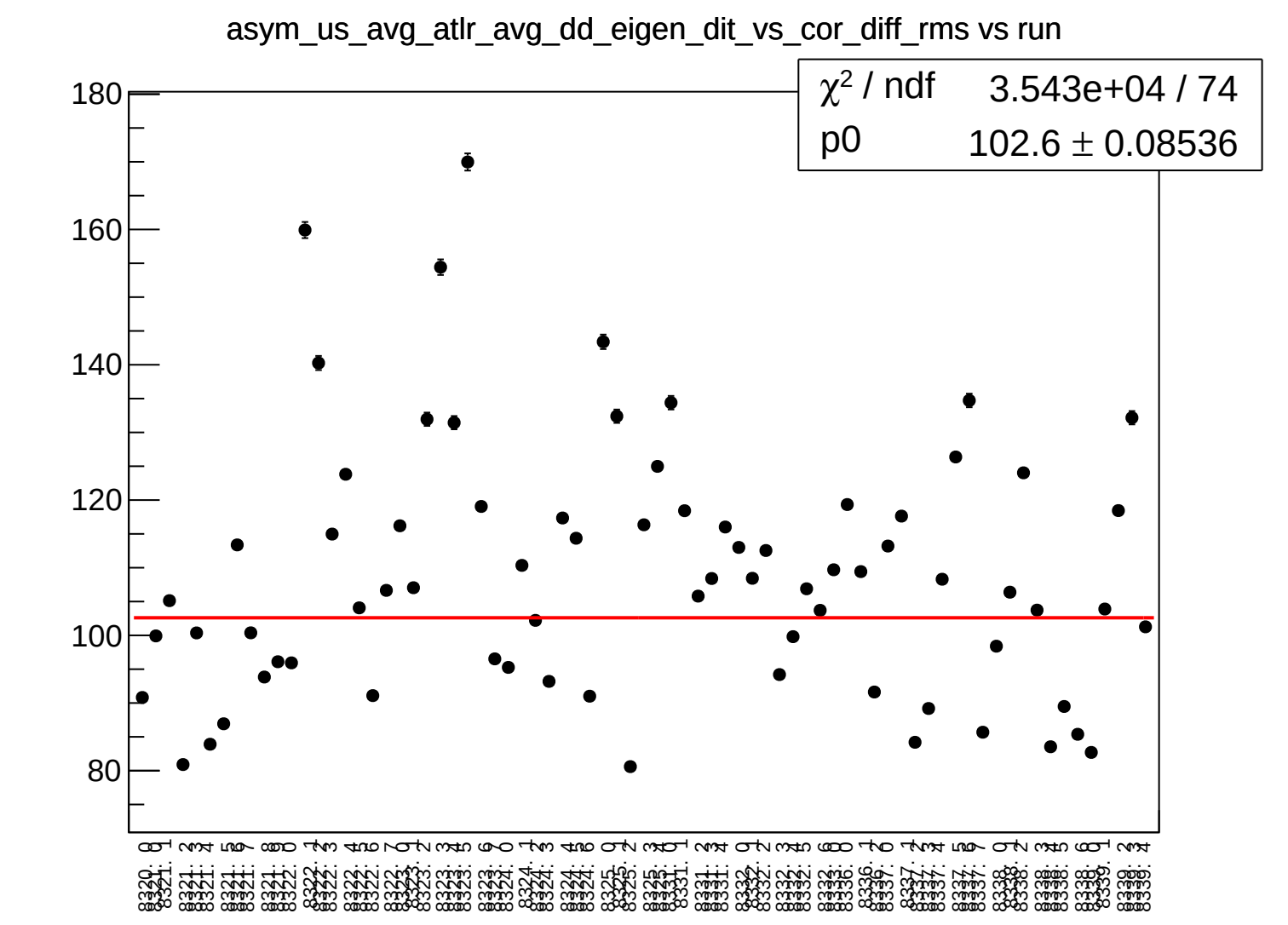

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.543e+04 / 74
p0 102.6 ± 0.08536
180
160
140
120
100
80

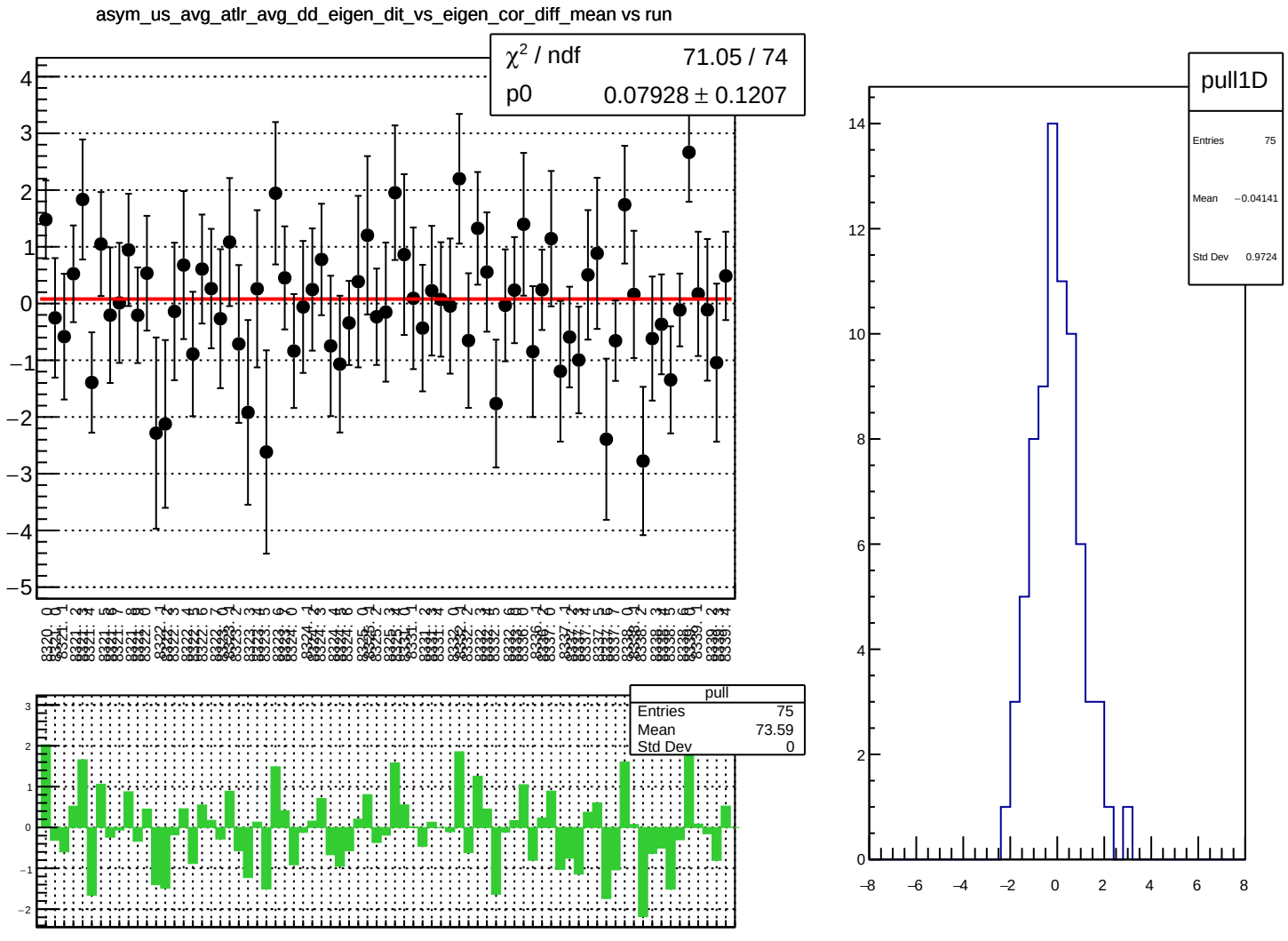

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.41 / 74
p0 −1.029e−05 ± 6.117e−06
pull
Entries 75
Mean −1020
Std Dev 0

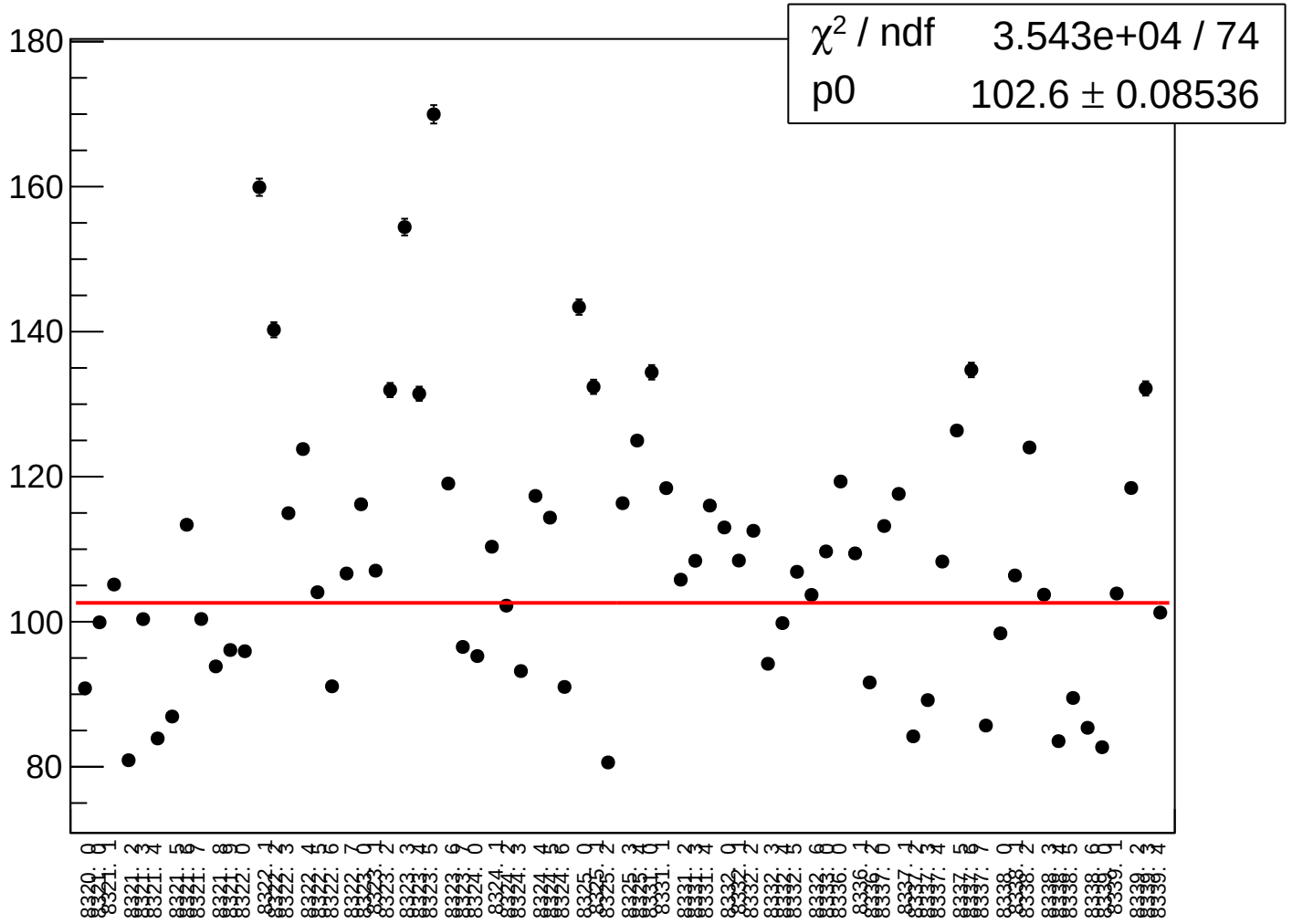

pull1D
Entries 75
Mean −0.000651
Std Dev 1.061

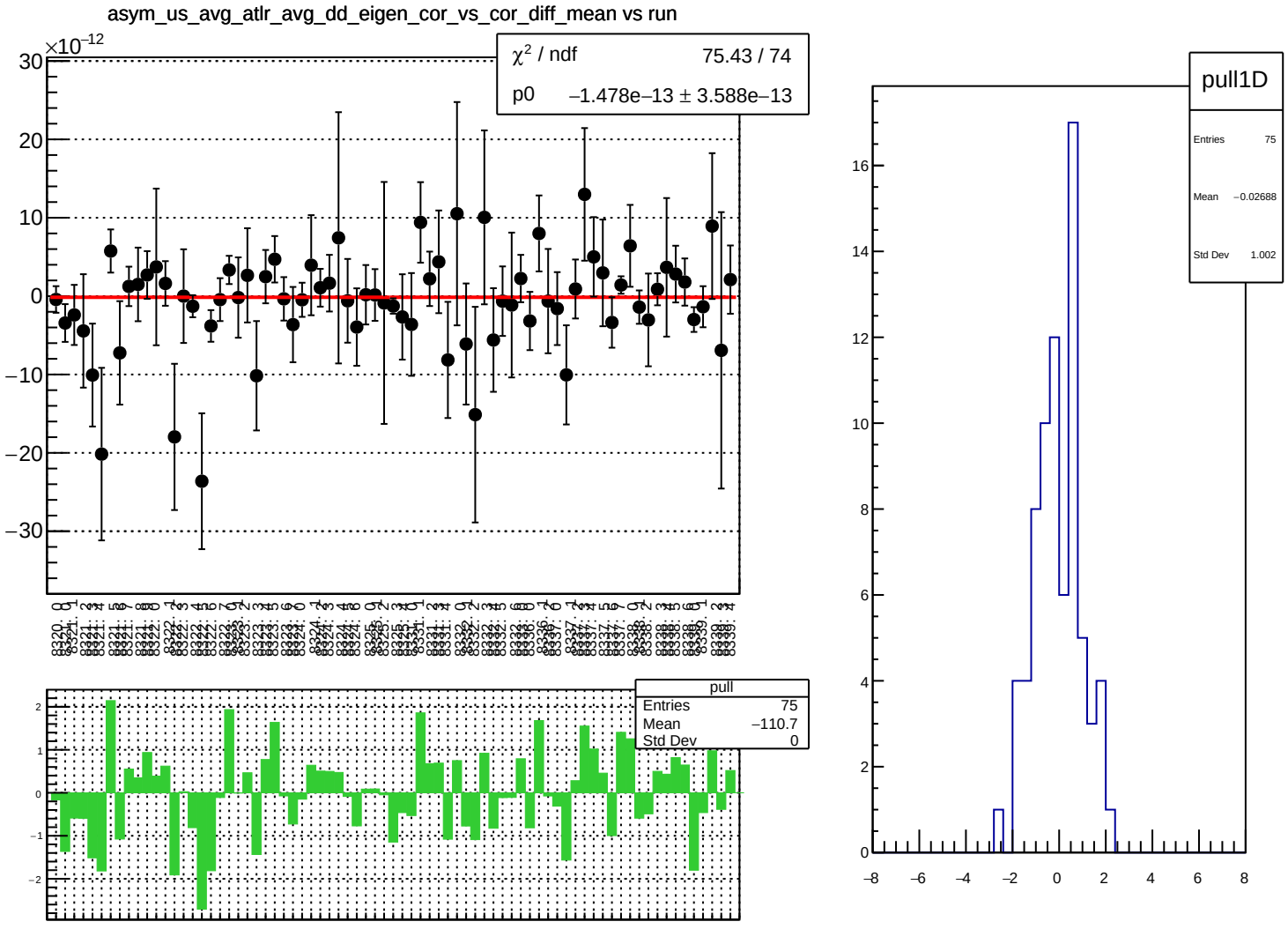

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1255 / 74
p0 0.00526 ± 4.325e−06
0.0057
0.0056
0.0055
0.0054
0.0053
0.0052
0.0051
0.005
0.0049

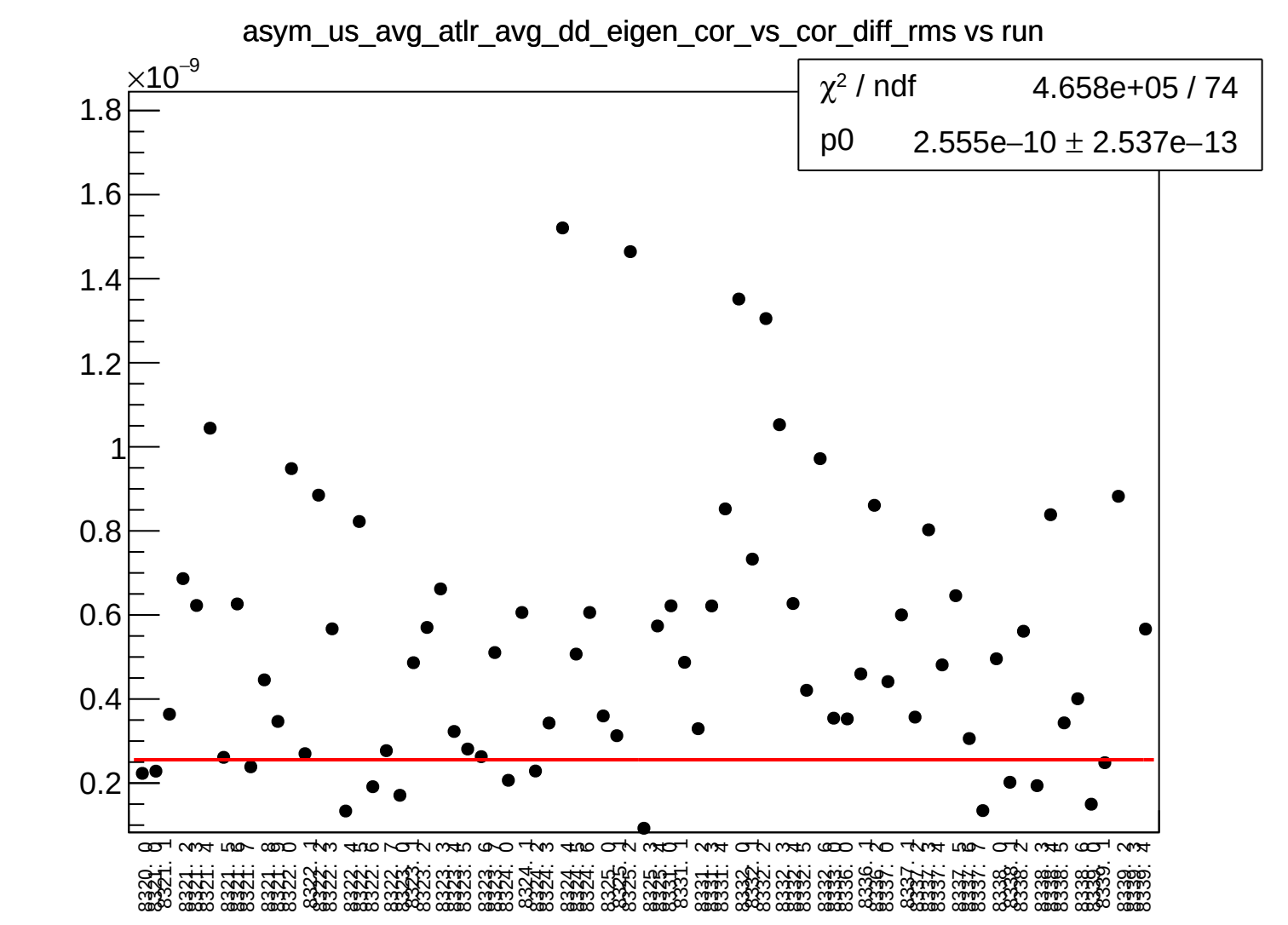

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 71.05 / 74
p0 0.07928 ± 0.1207
pull
Entries 75
Mean 73.59
Std Dev 0
pull1D
Entries 75
Mean −0.04141
Std Dev 0.9724

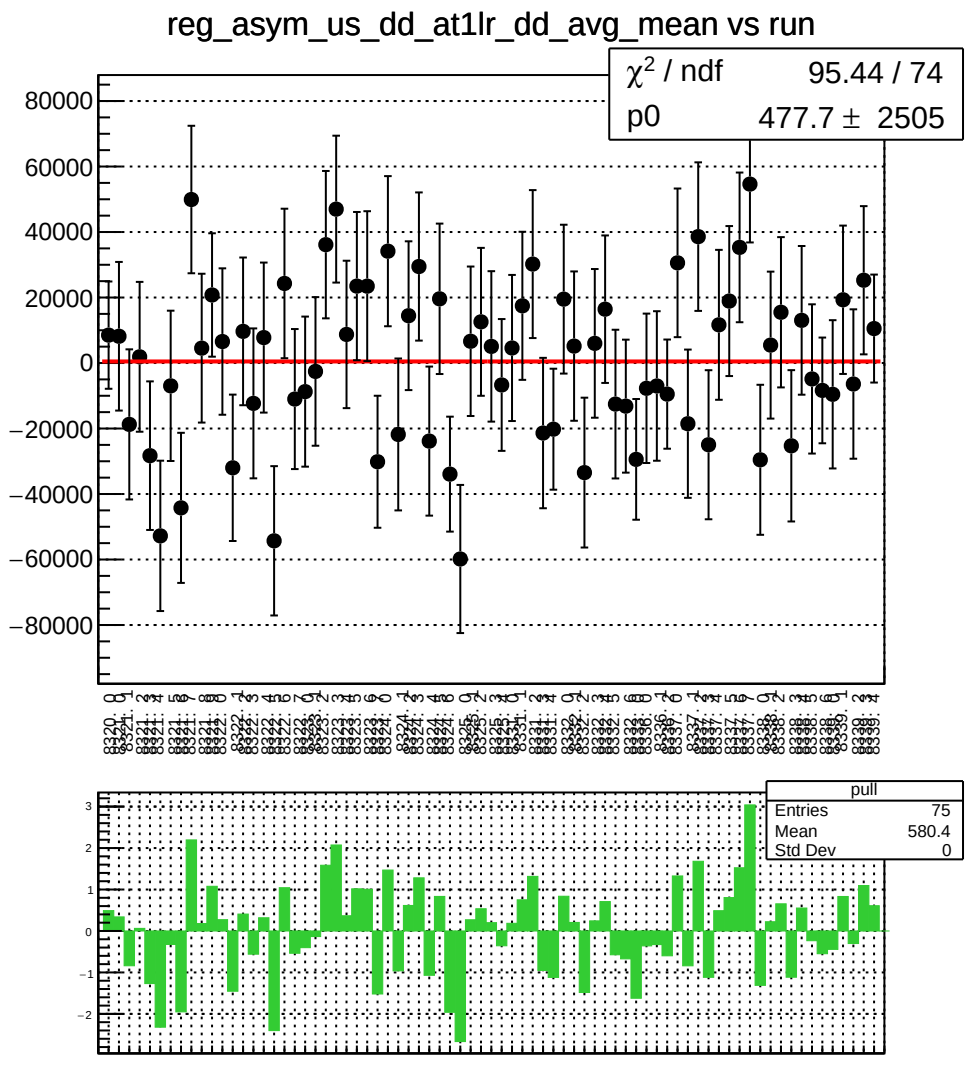

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.543e+04 / 74
p0 102.6 ± 0.08536
180
160
140
120
100
80

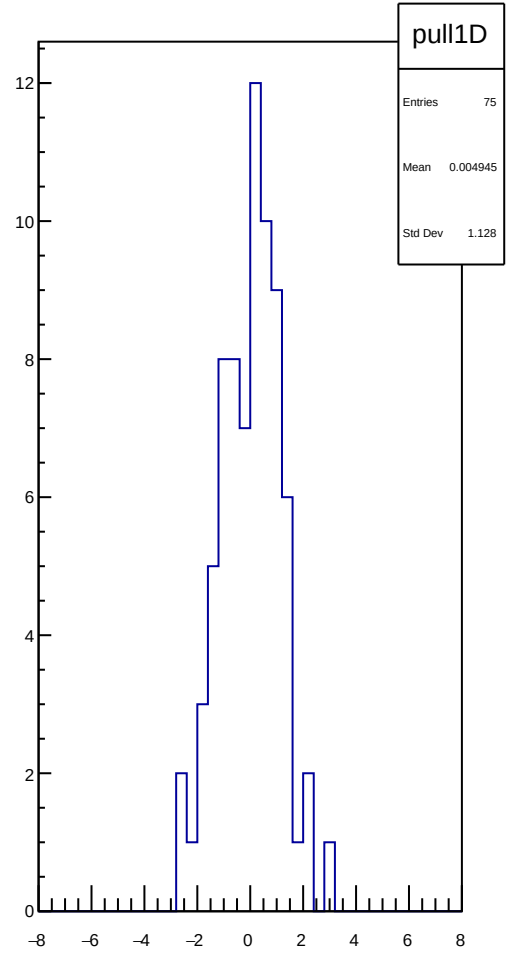

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 71.05 / 74
p0 0.07928 ± 0.1207
pull
Entries 75
Mean 73.59
Std Dev 0
pull1D
Entries 75
Mean −0.04141
Std Dev 0.9724

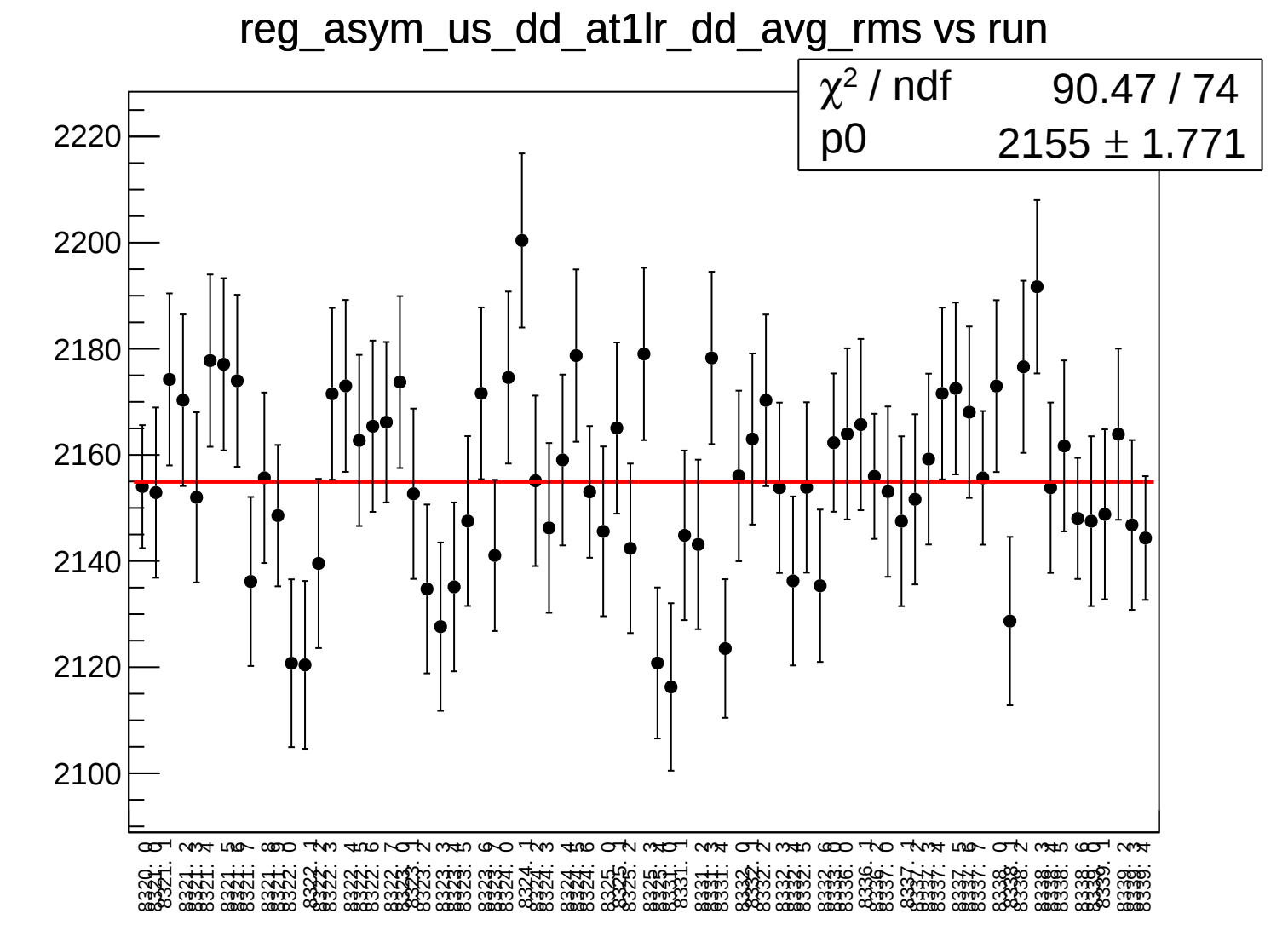

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.543e+04 / 74
p0 102.6 ± 0.08536
180
160
140
120
100
80

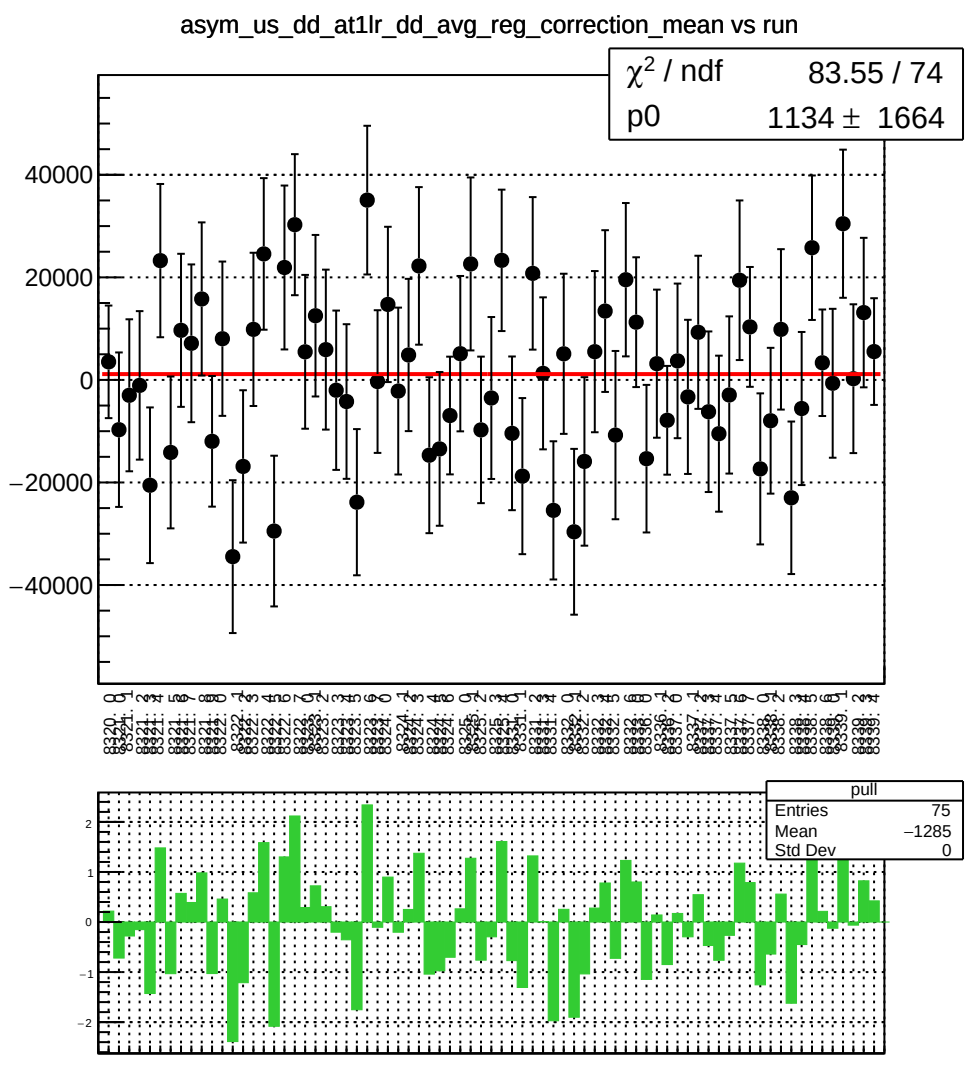

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.43 / 74
p0 −1.478e−13 ± 3.588e−13
pull
Entries 75
Mean −110.7
Std Dev 0
pull1D
Entries 75
Mean −0.02688
Std Dev 1.002

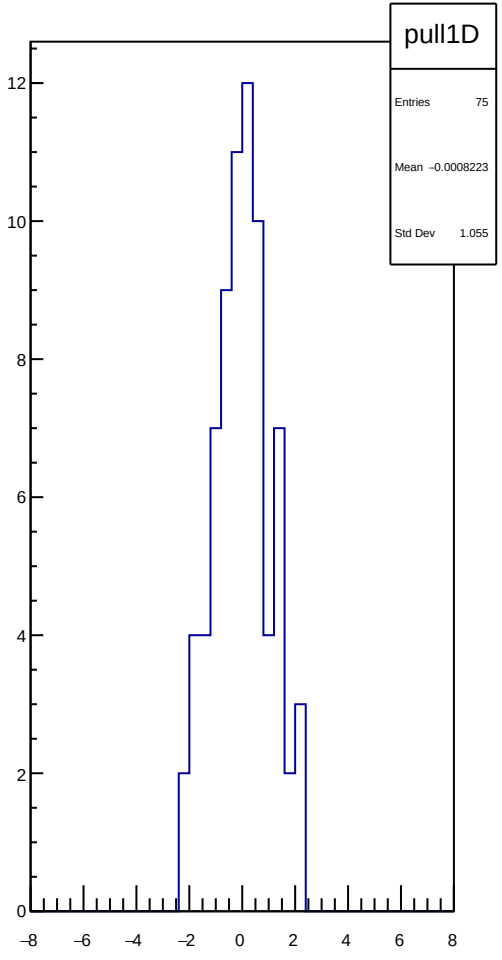

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.658e+05 / 74
p0 2.555e−10 ± 2.537e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

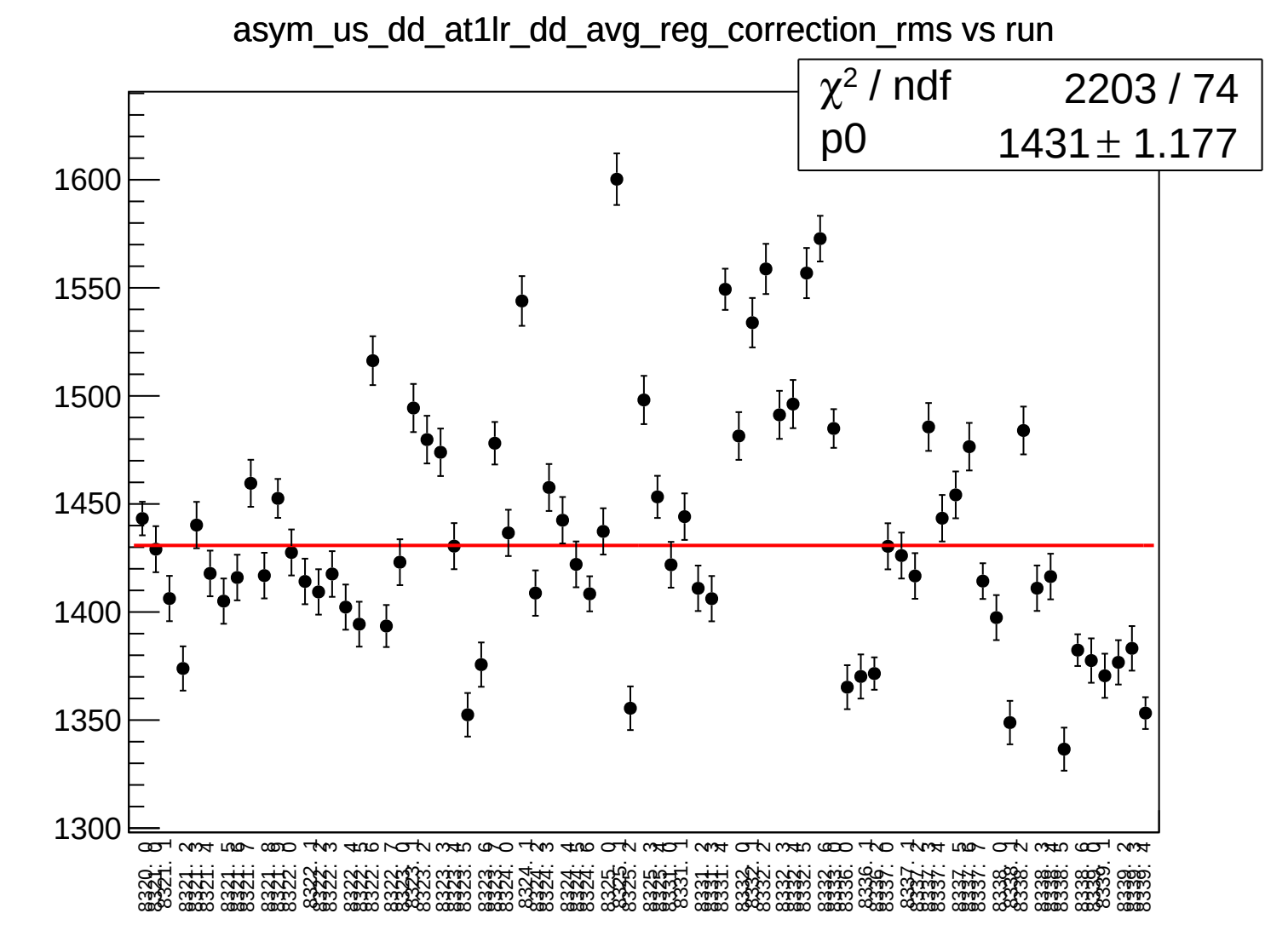

reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 95.44 / 74
p0 477.7 ± 2505
pull
Entries 75
Mean 580.4
Std Dev 0

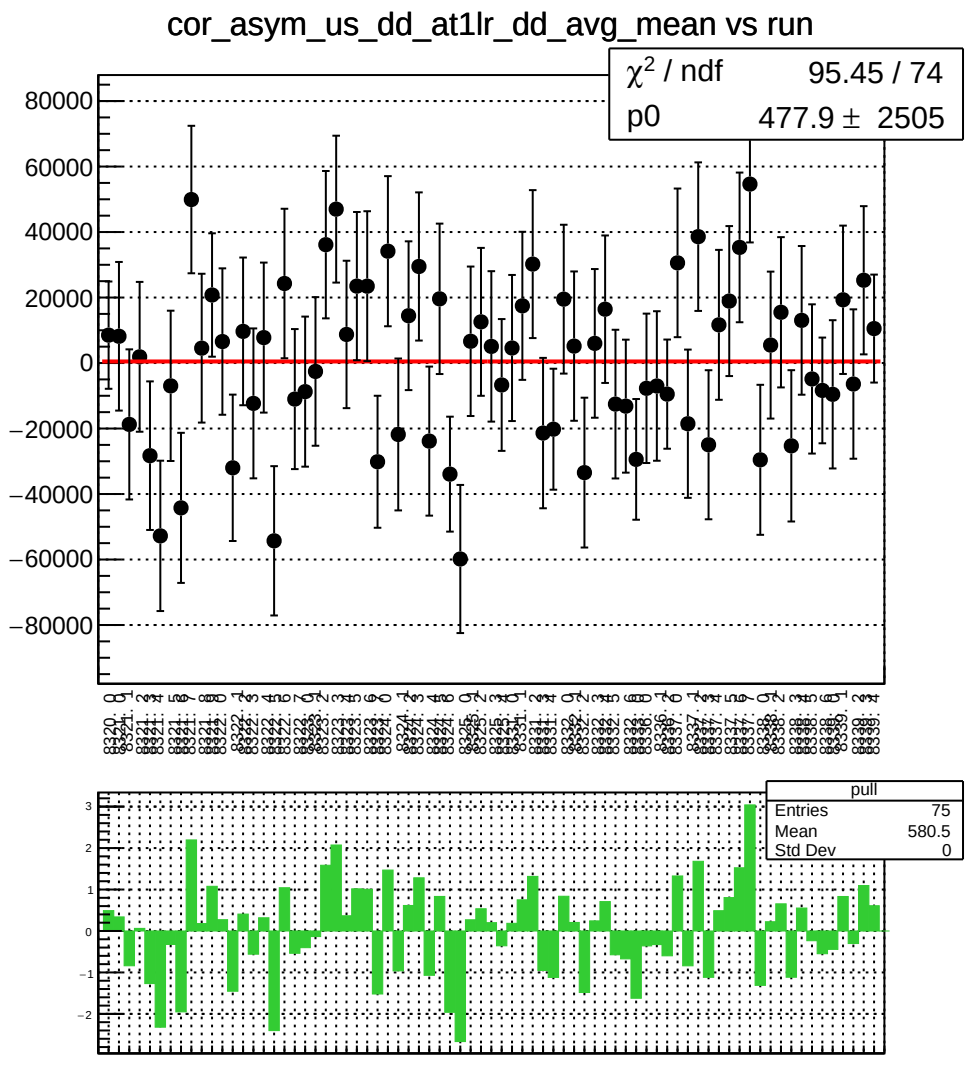

pull1D
Entries 75
Mean 0.004945
Std Dev 1.128

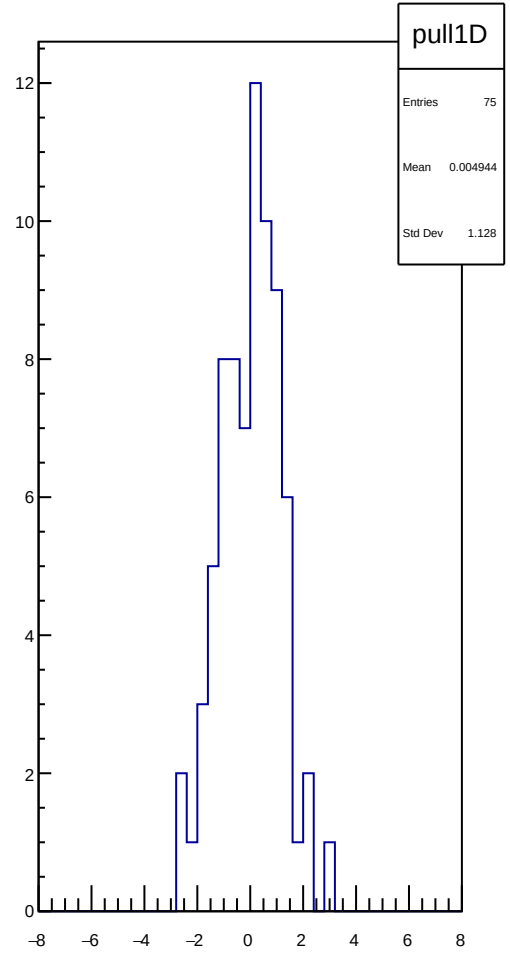

reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 90.47 / 74
p0 2155 ± 1.771
2220
2200
2180
2160
2140
2120
2100

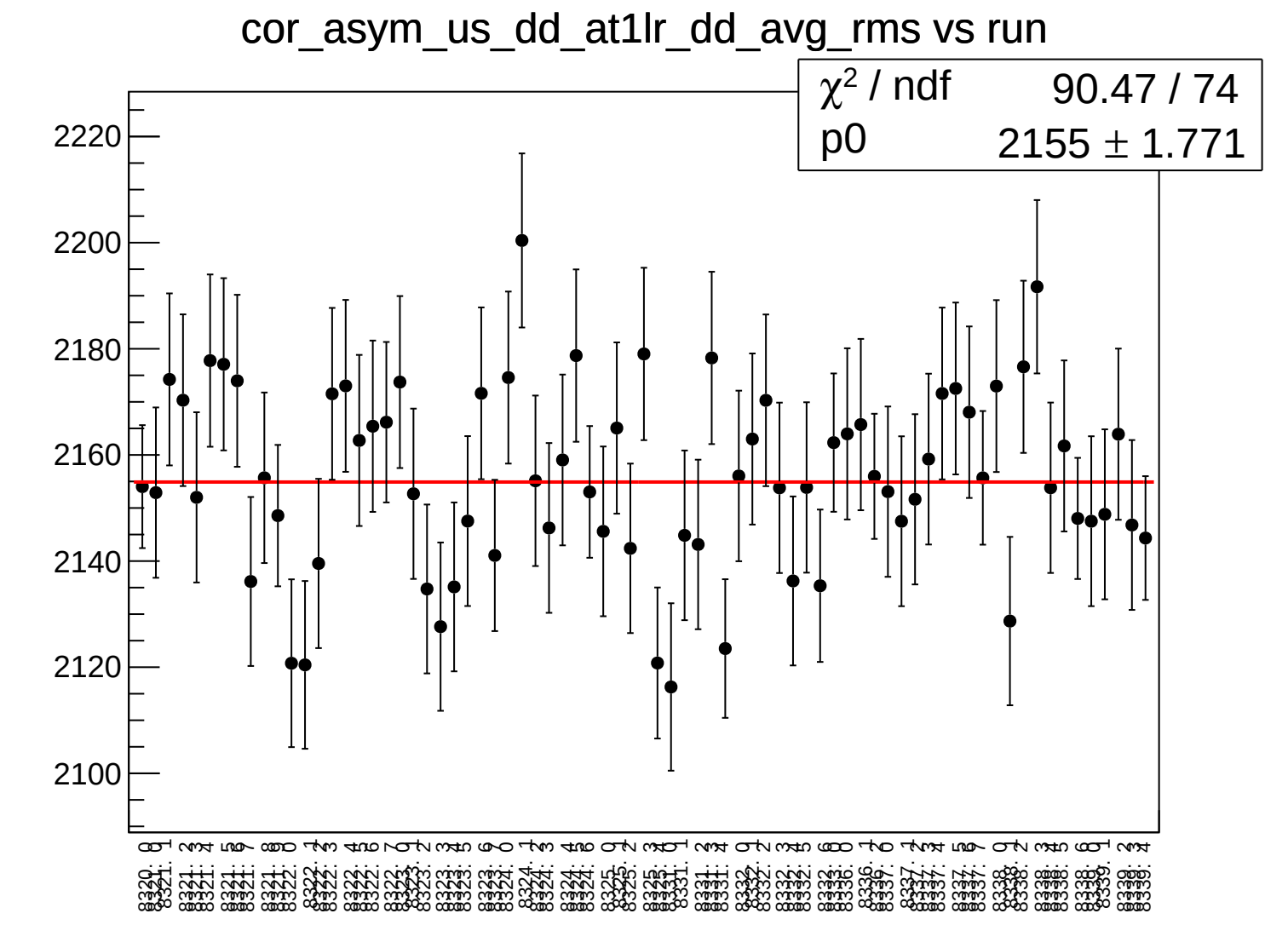

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 83.55 / 74
p0 1134 ± 1664
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1285
Std Dev 0
2
1
0
−1
−2

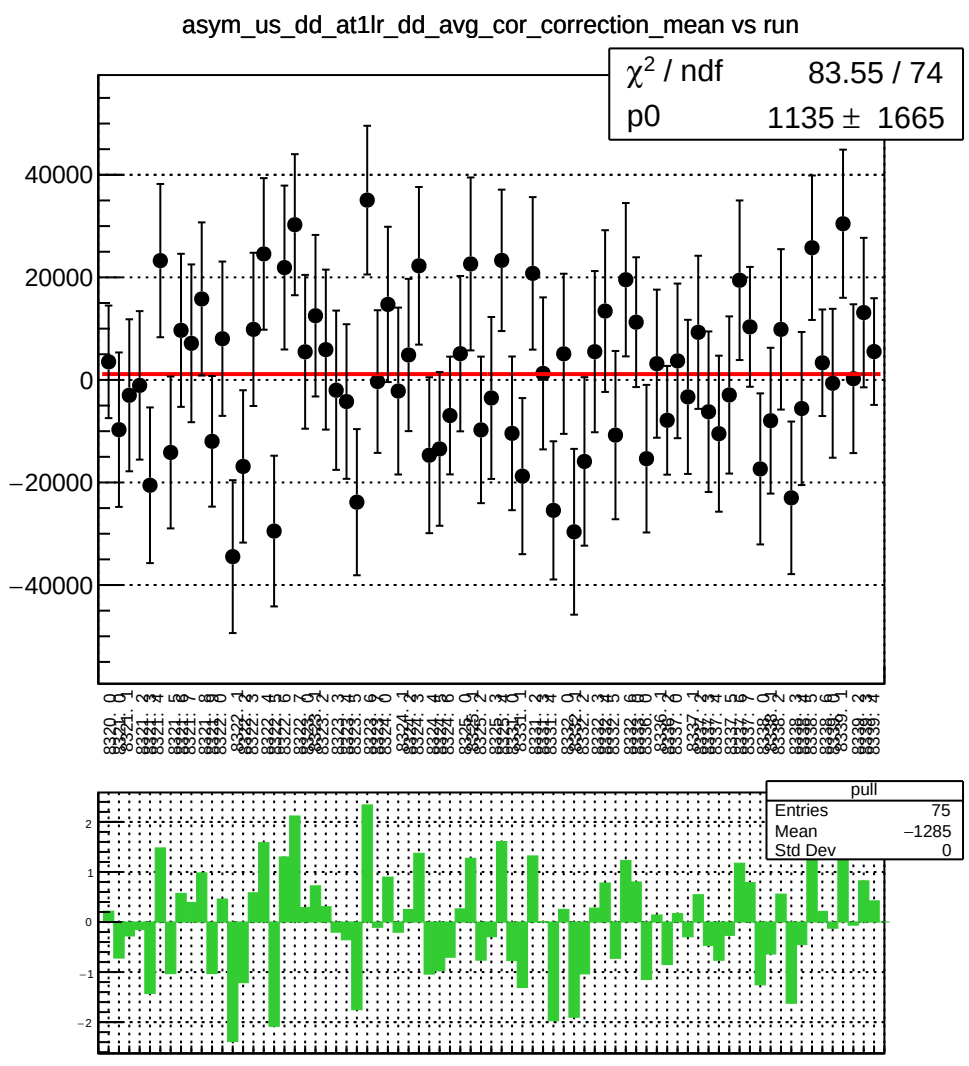

pull1D
Entries 75
Mean −0.0008223
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

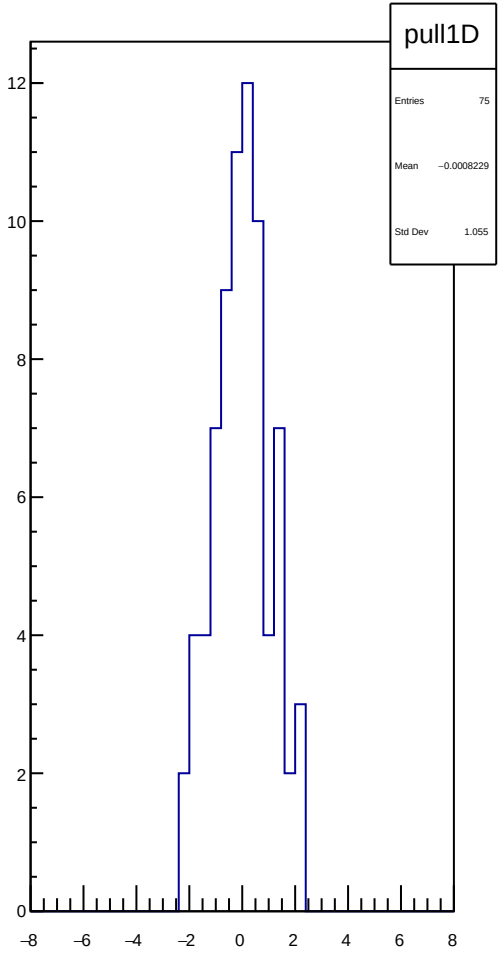

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 2203 / 74
p0 1431 ± 1.177
1600
1550
1500
1450
1400
1350
1300

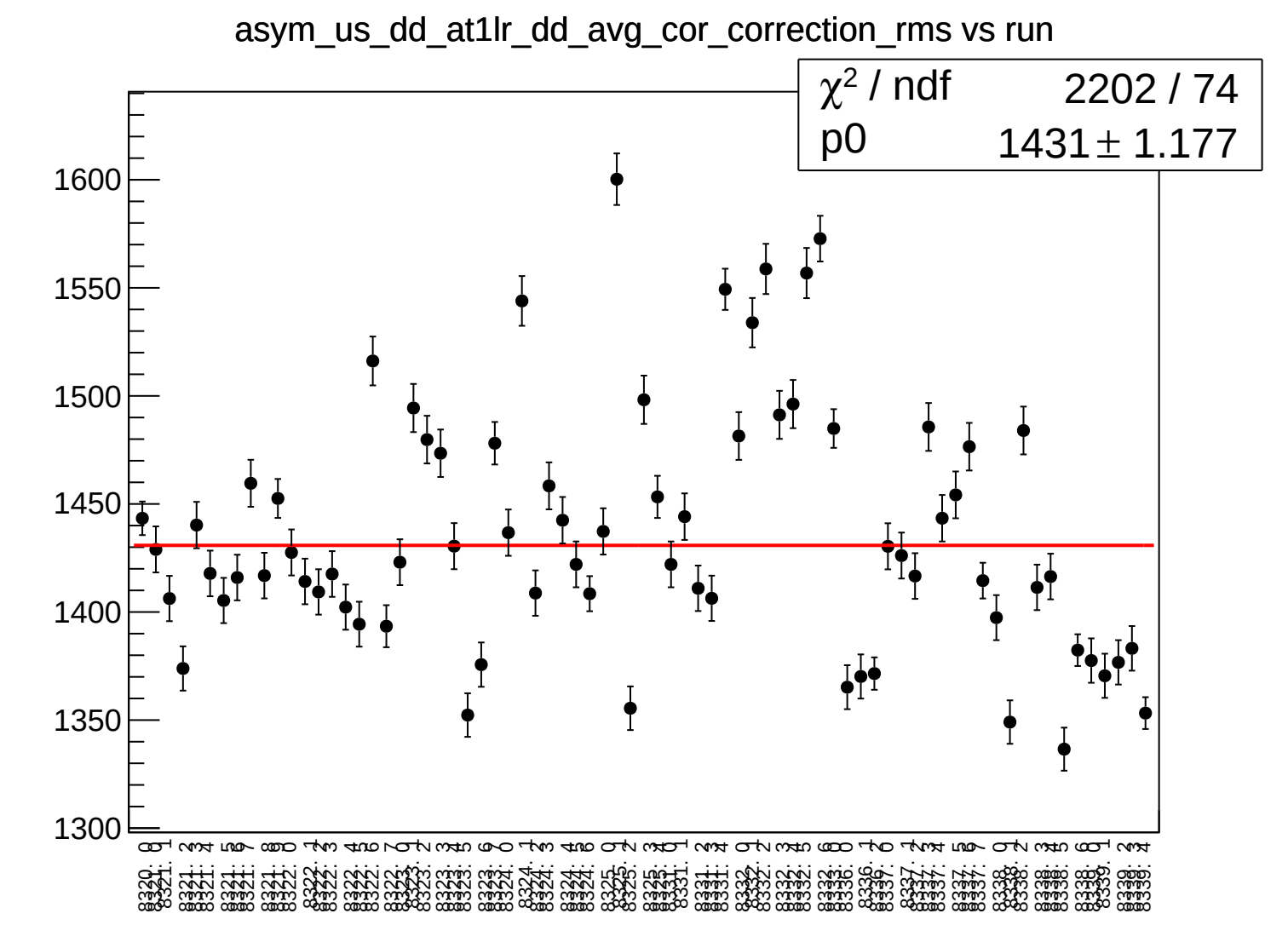

cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 95.45 / 74
p0 477.9 ± 2505
pull
Entries 75
Mean 580.5
Std Dev 0

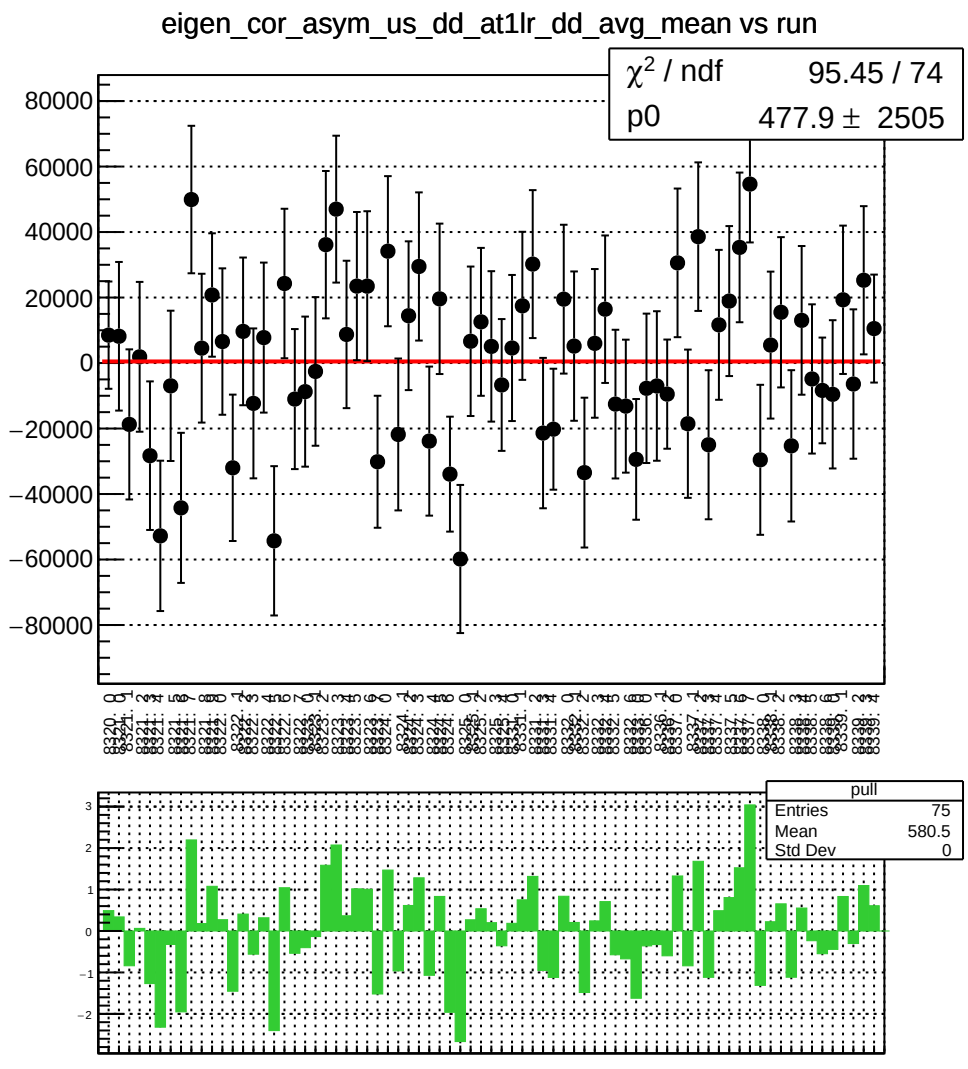

pull1D
Entries 75
Mean 0.004944
Std Dev 1.128

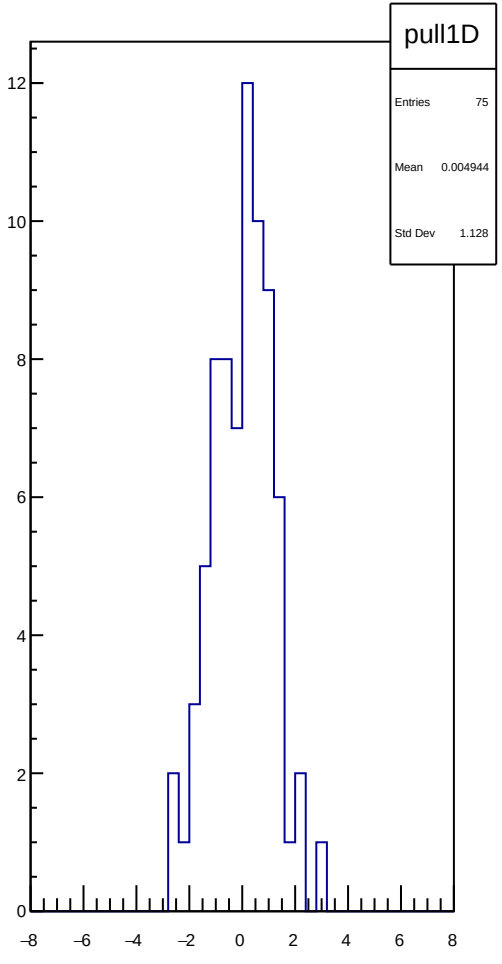

cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 90.47 / 74
p0 2155 ± 1.771
2220
2200
2180
2160
2140
2120
2100

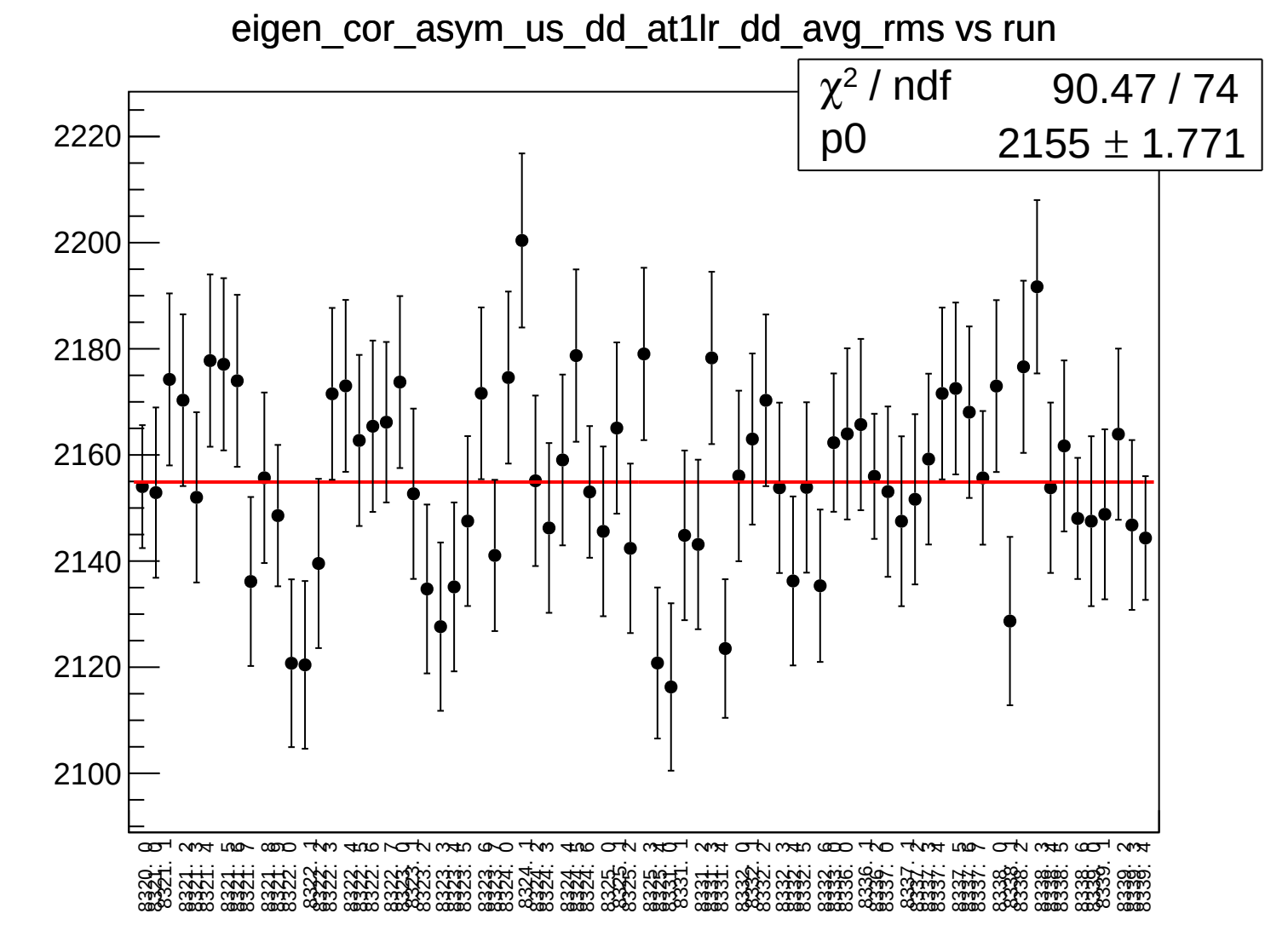

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 83.55 / 74
p0 1135 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1285
Std Dev 0
2
1
0
−1
−2

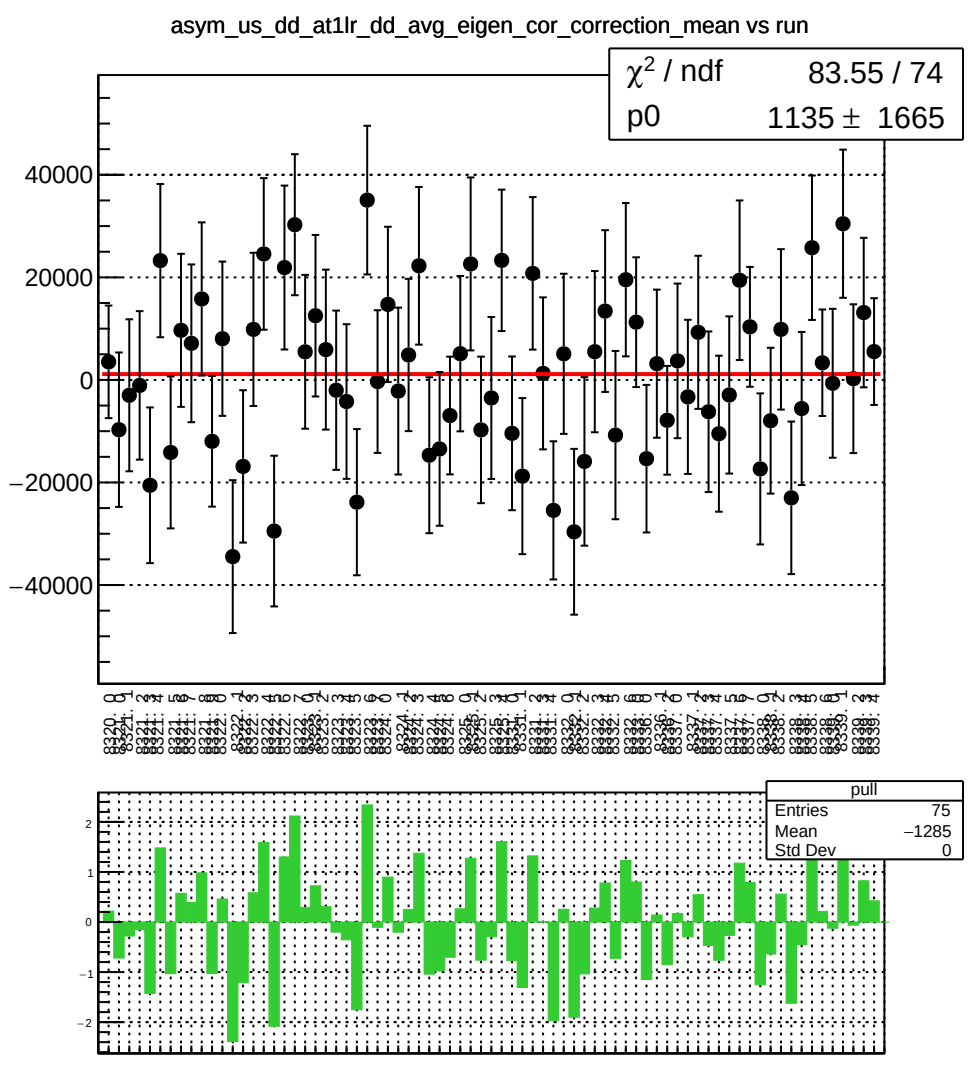

pull1D
Entries 75
Mean −0.0008229
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

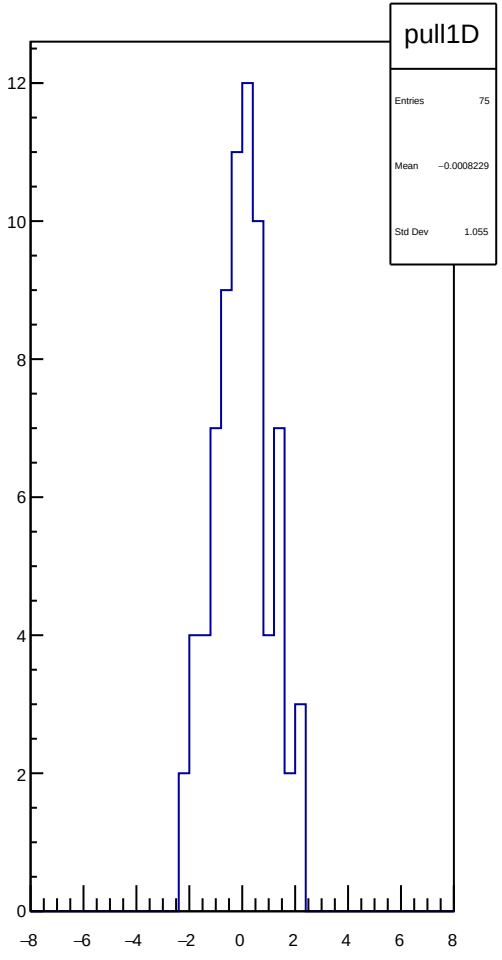

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 2202 / 74
p0 1431 ± 1.177
1600
1550
1500
1450
1400
1350
1300

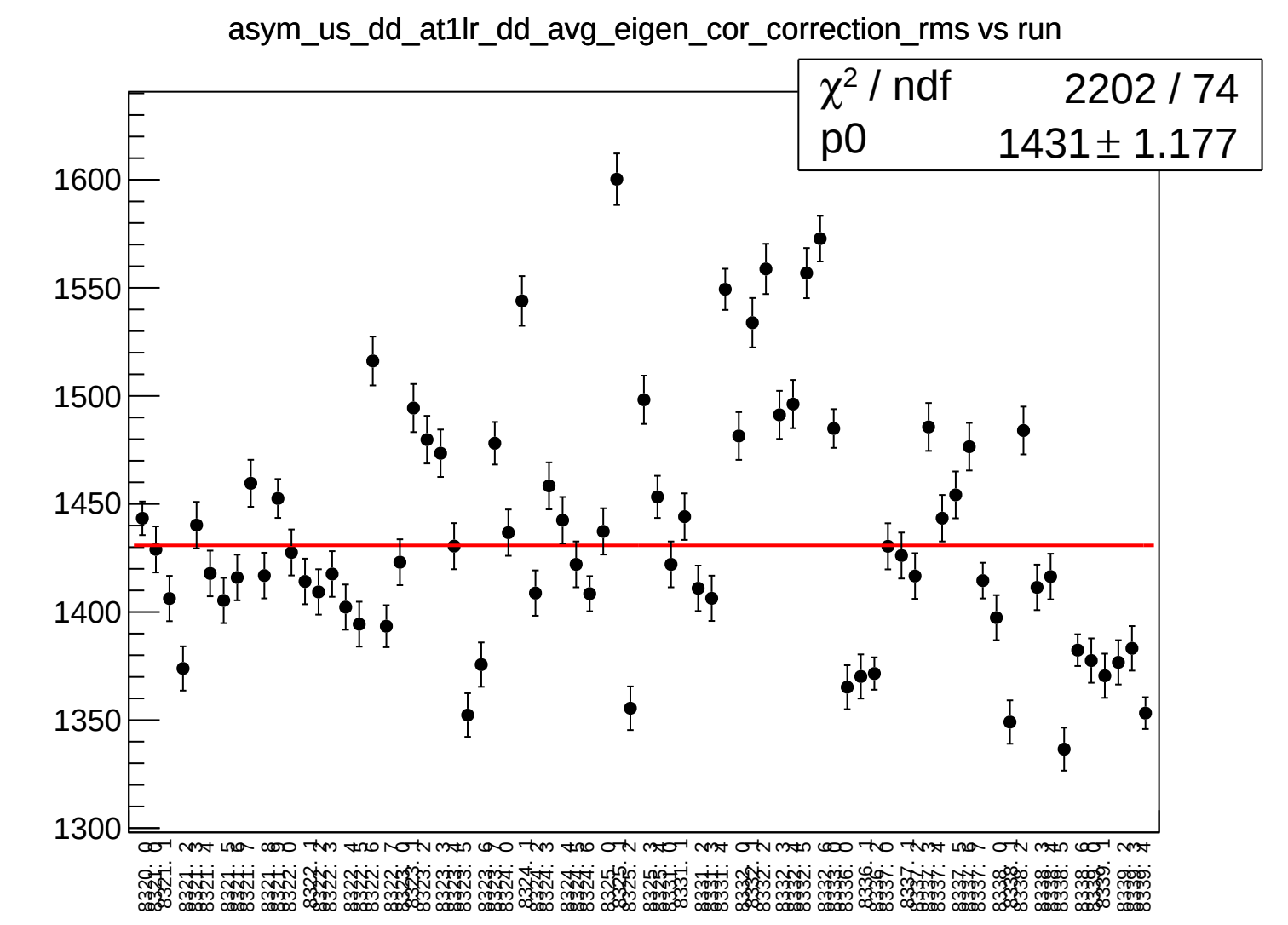

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 95.45 / 74
p0 477.9 ± 2505
pull
Entries 75
Mean 580.5
Std Dev 0

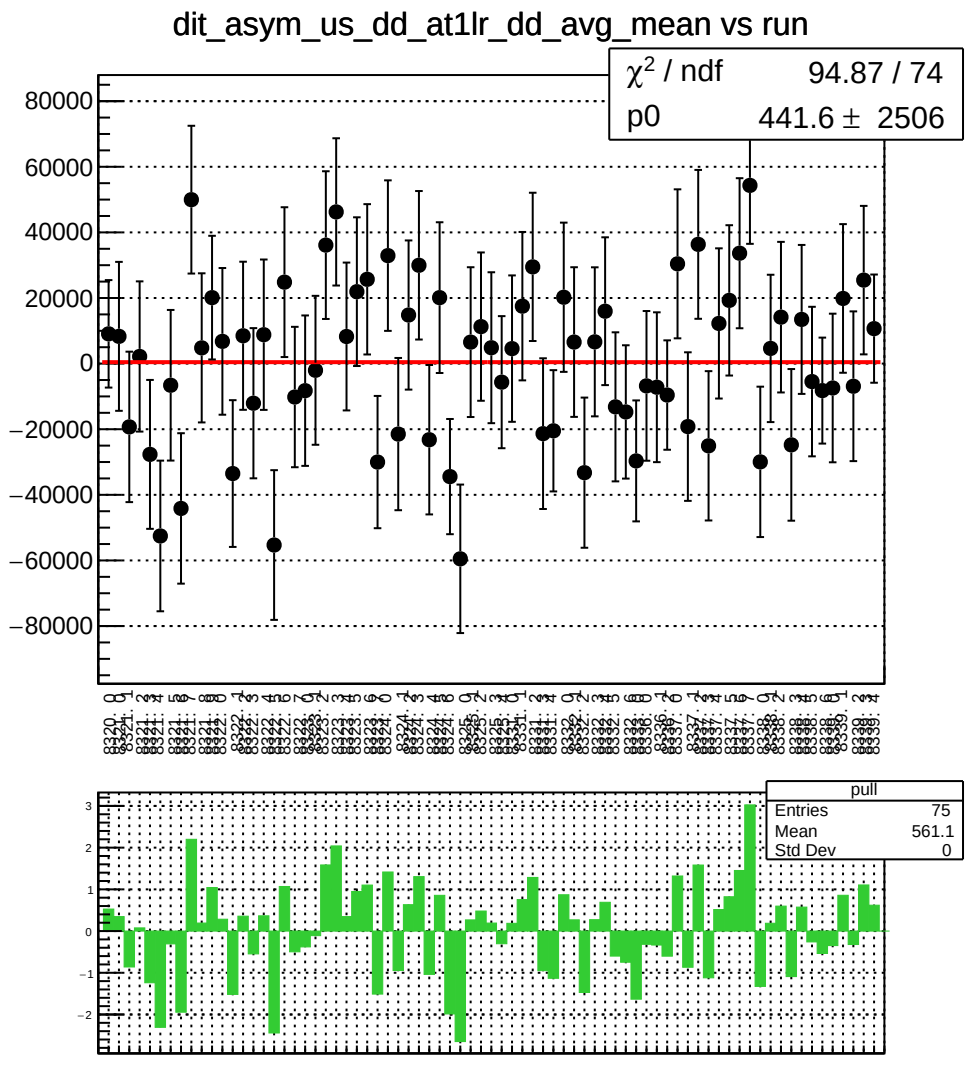

pull1D
Entries 75
Mean 0.004944
Std Dev 1.128

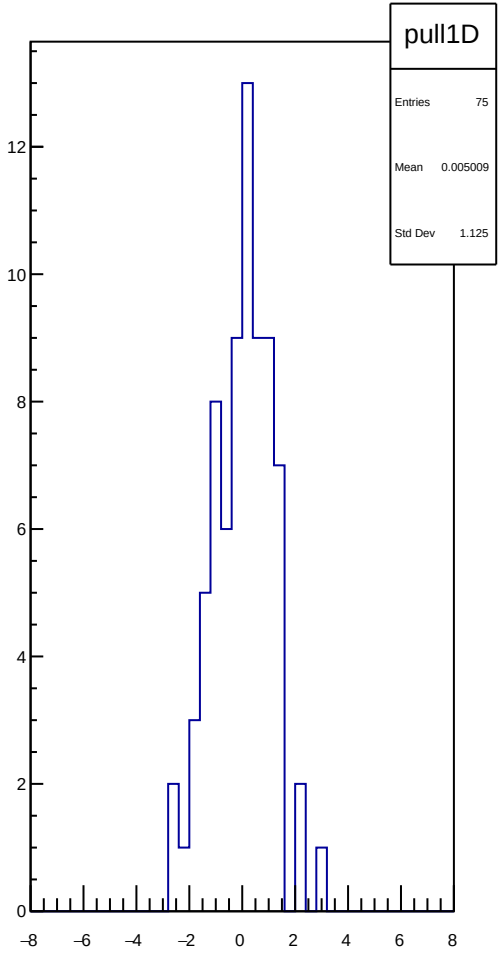

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 90.47 / 74
p0 2155 ± 1.771
2220
2200
2180
2160
2140
2120
2100

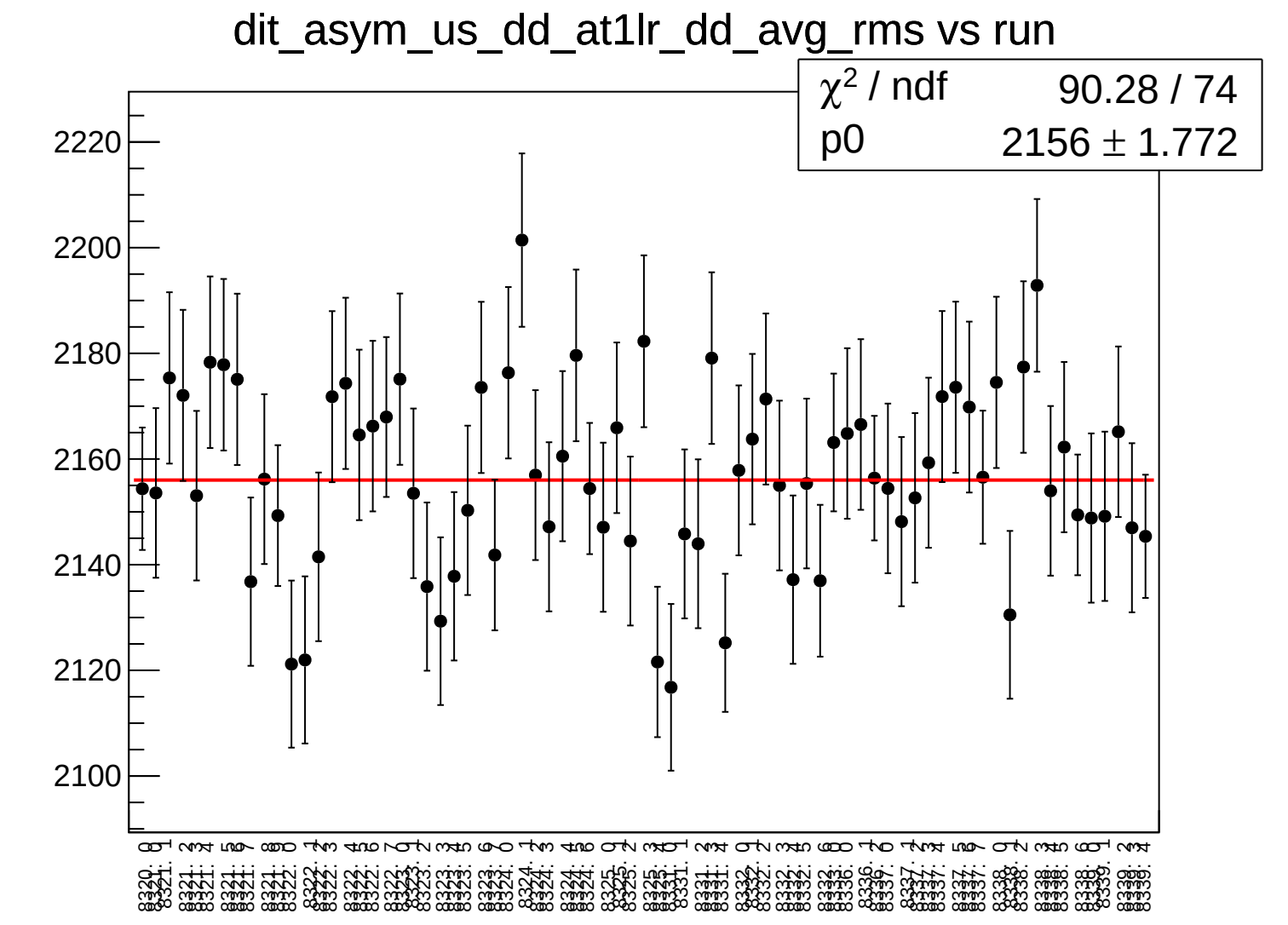

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.55 / 74
p0 1135 ± 1665
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −1285
Std Dev 0
2
1
0
−1
−2

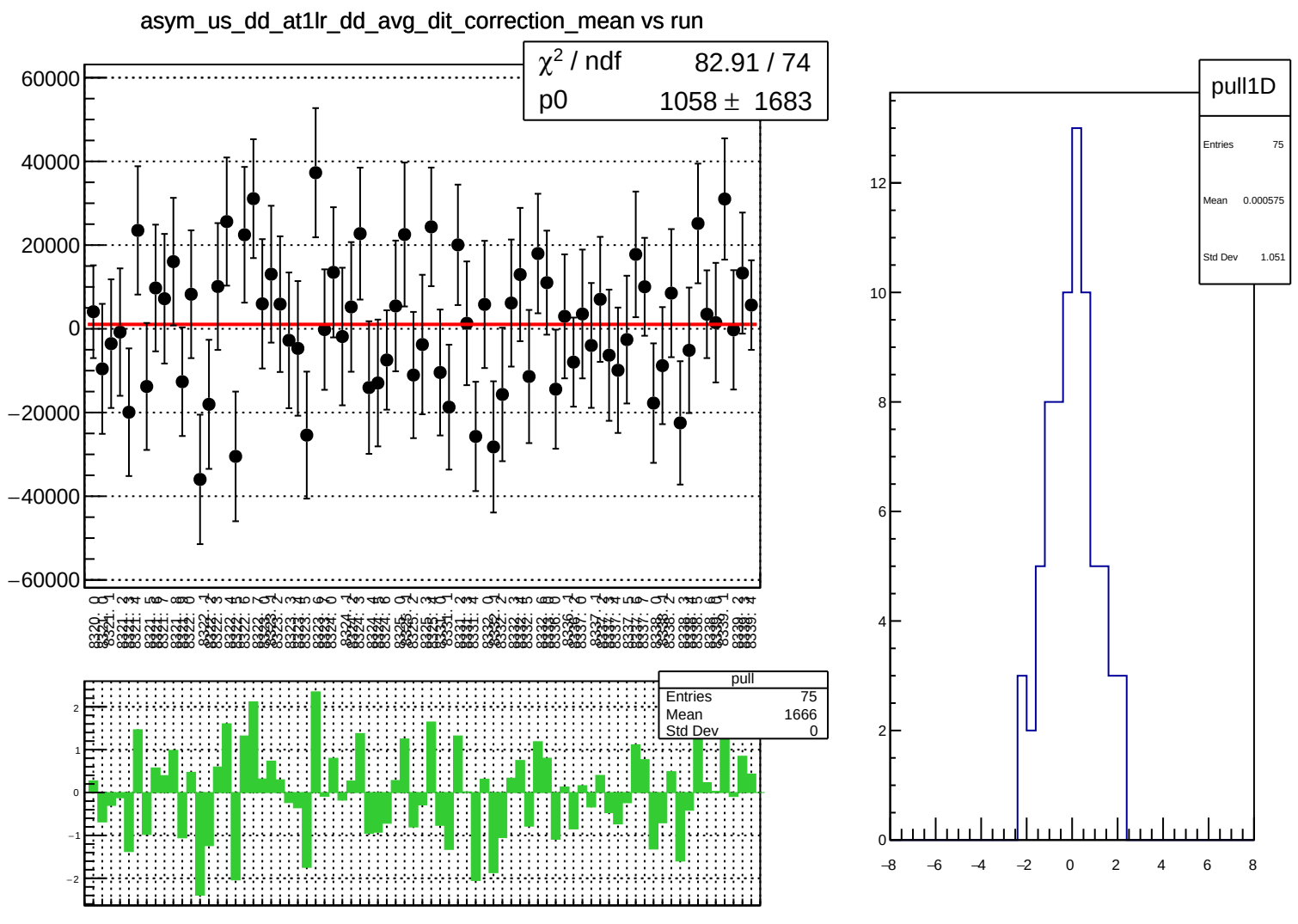

pull1D
Entries 75
Mean −0.0008229
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

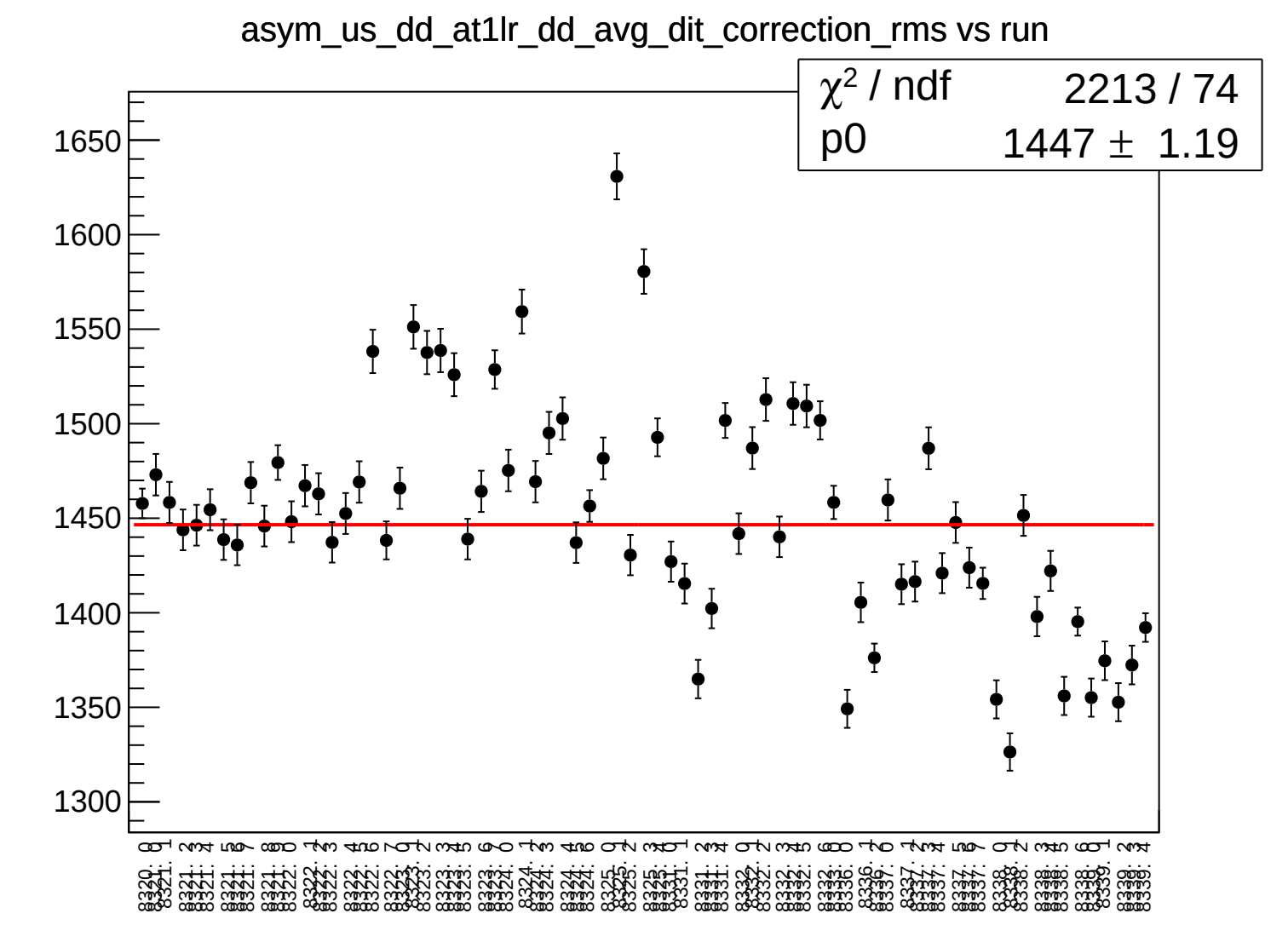

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2202 / 74
p0 1431 ± 1.177
1600
1550
1500
1450
1400
1350
1300

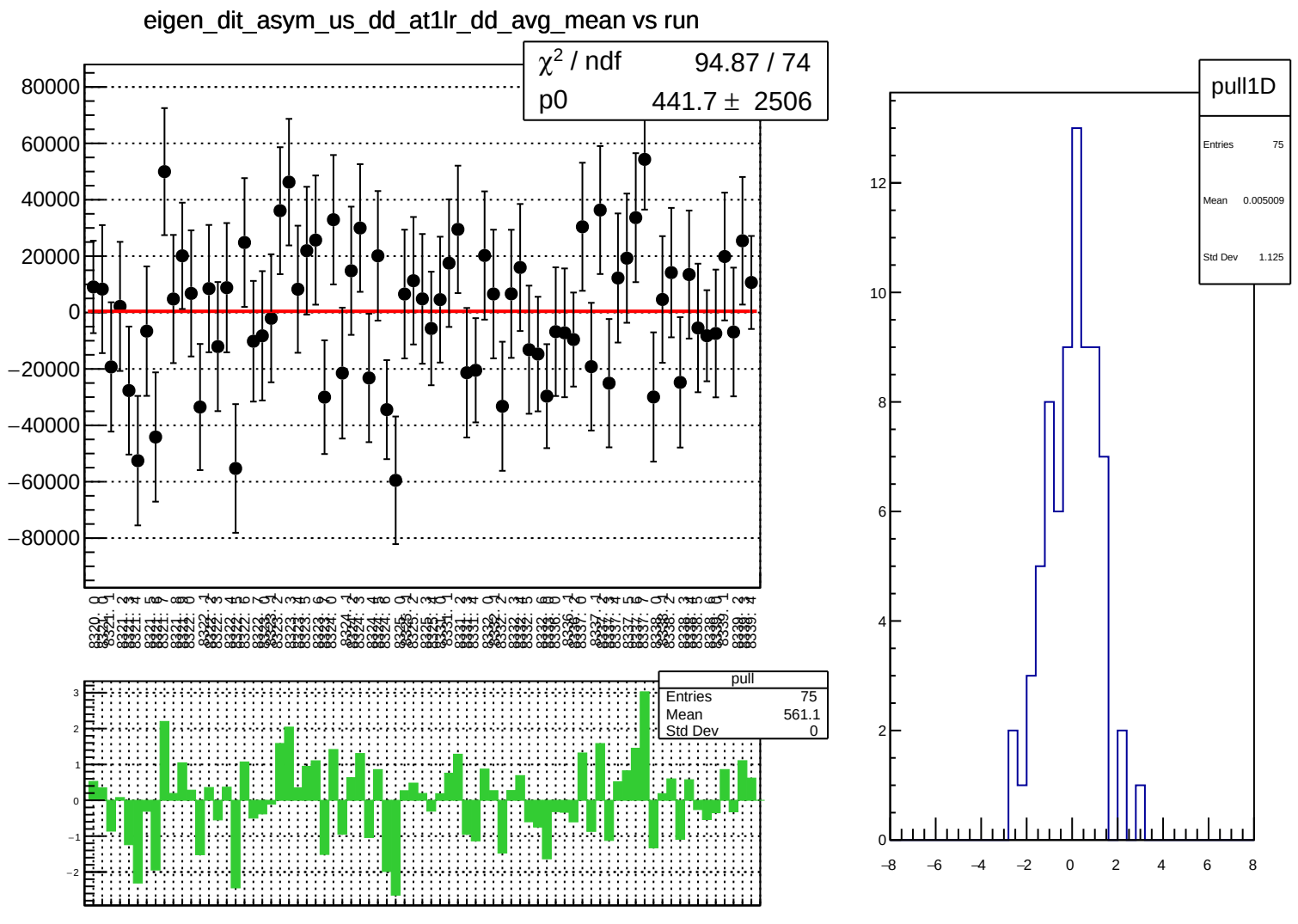

dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 94.87 / 74
p0 441.6 ± 2506
pull
Entries 75
Mean 561.1
Std Dev 0

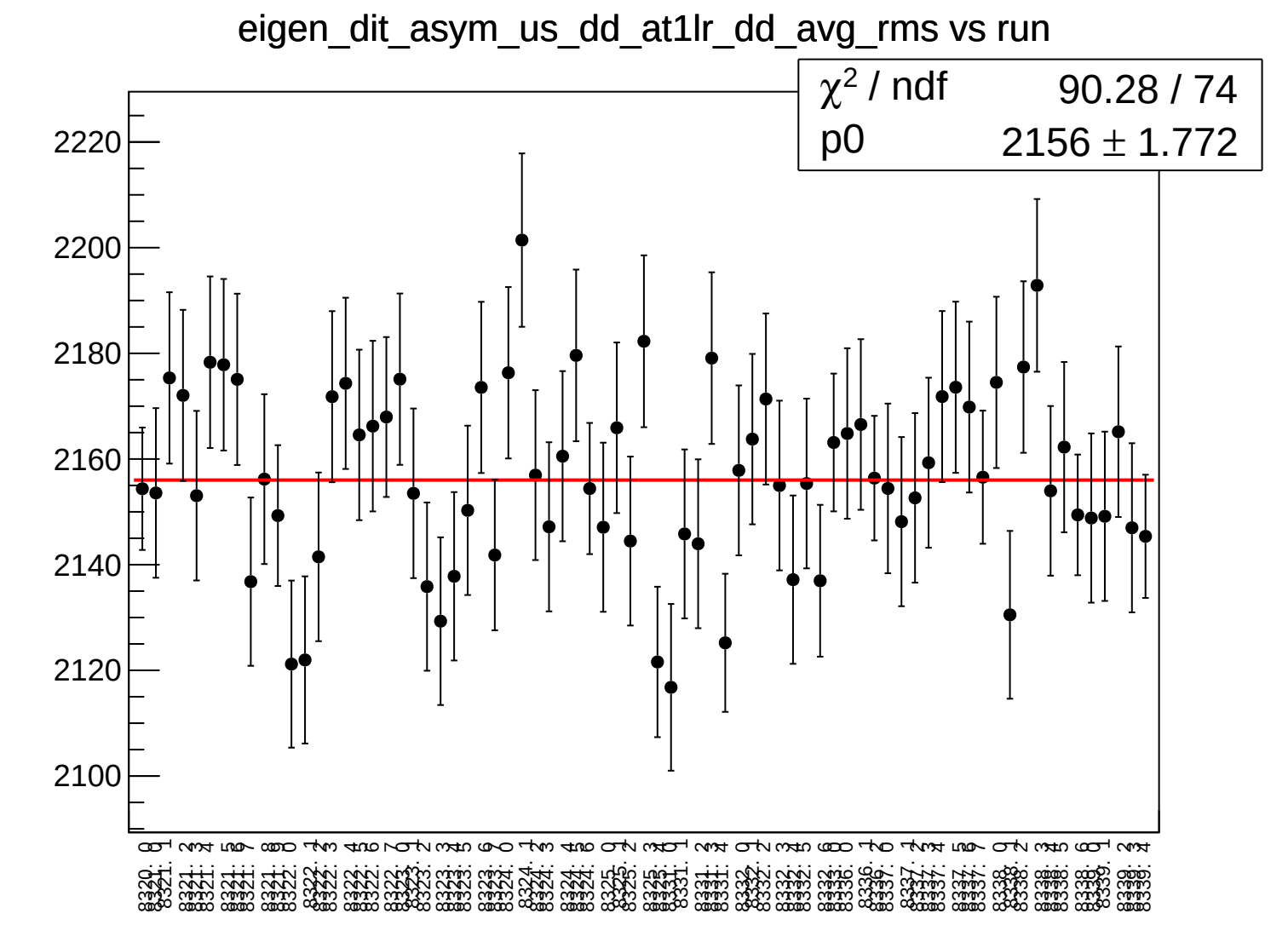

pull1D
Entries 75
Mean 0.005009
Std Dev 1.125

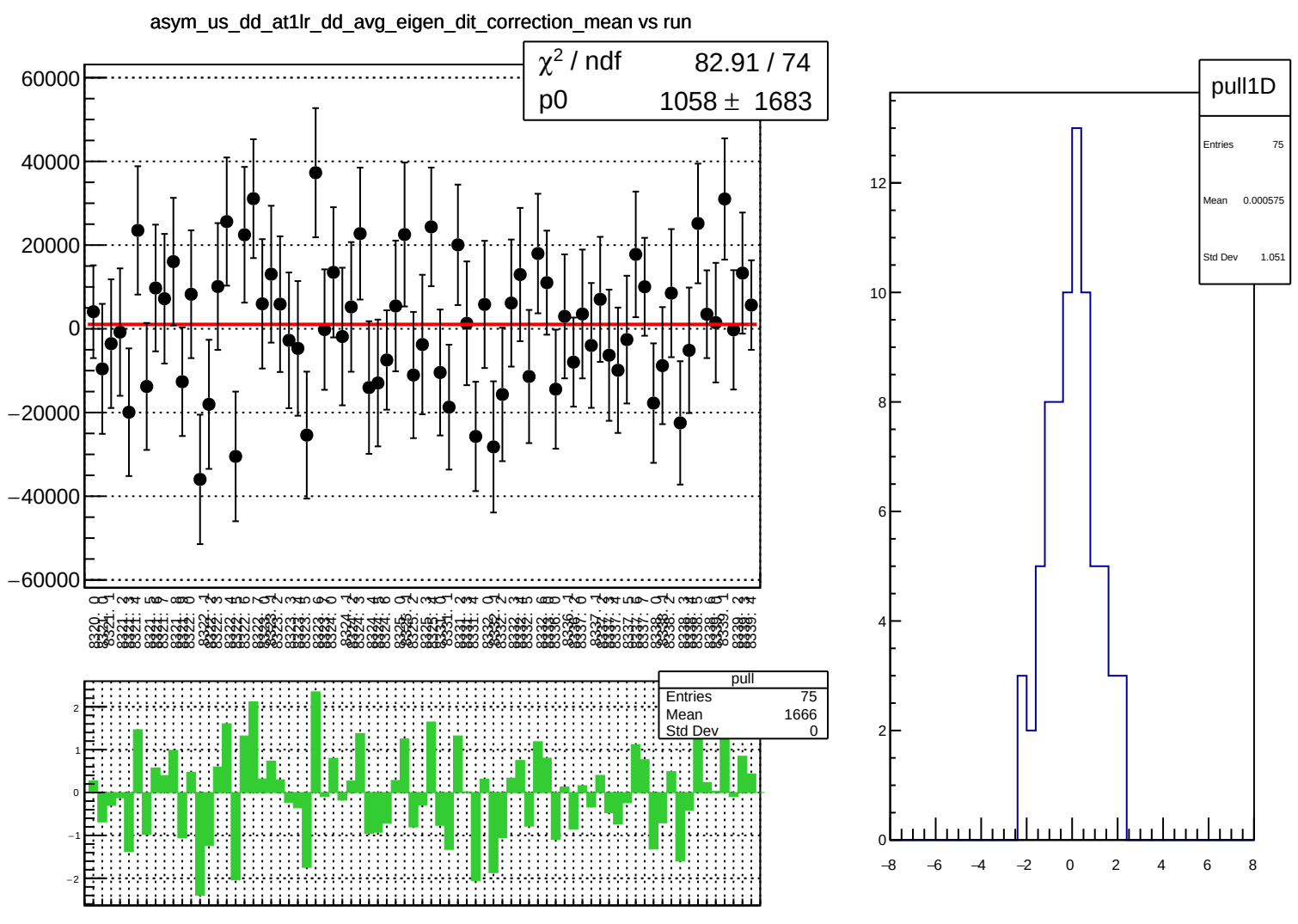

dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 90.28 / 74
p0 2156 ± 1.772
2220
2200
2180
2160
2140
2120
2100

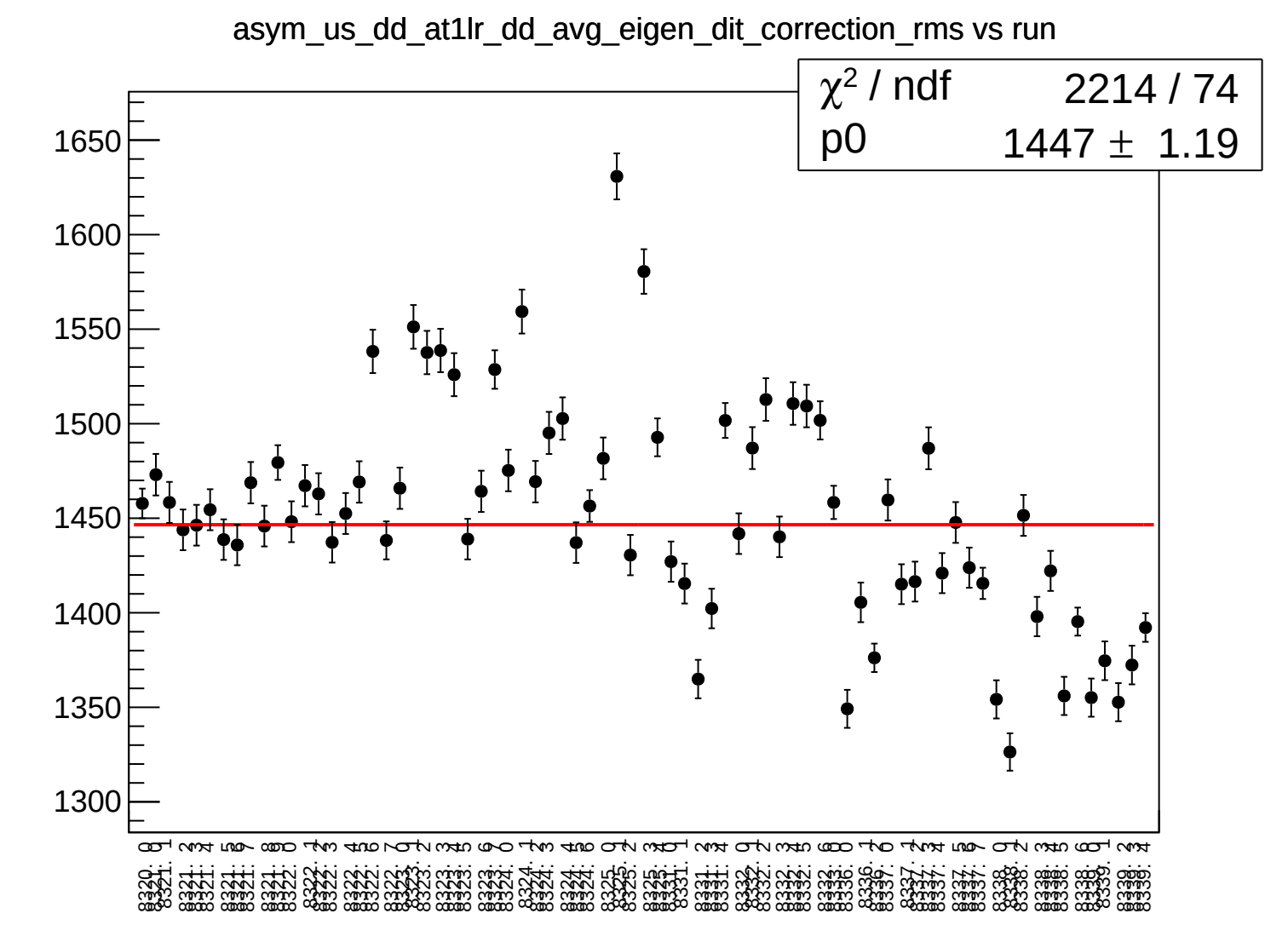

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 82.91 / 74
p0 1058 ± 1683
pull
Entries 75
Mean 1666
Std Dev 0
pull1D
Entries 75
Mean 0.000575
Std Dev 1.051

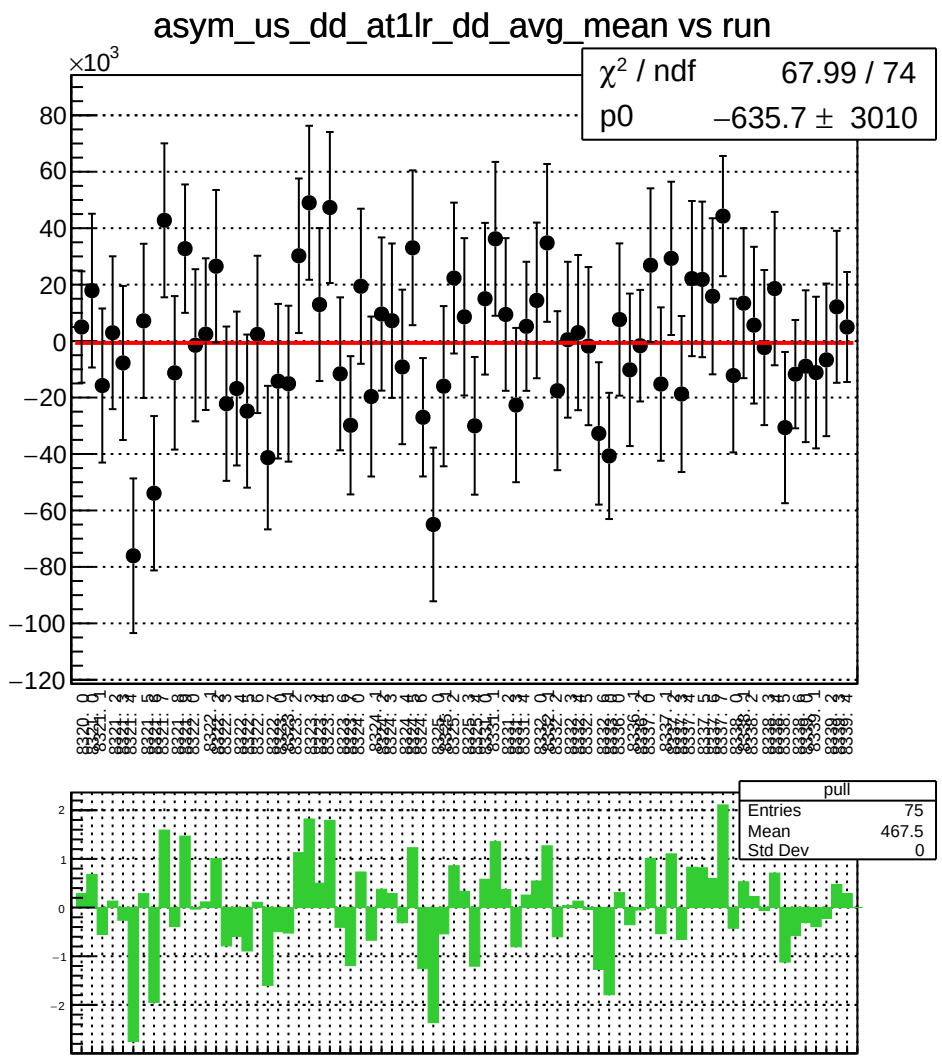

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 2213 / 74
p0 1447 ± 1.19
1650
1600
1550
1500
1450
1400
1350
1300

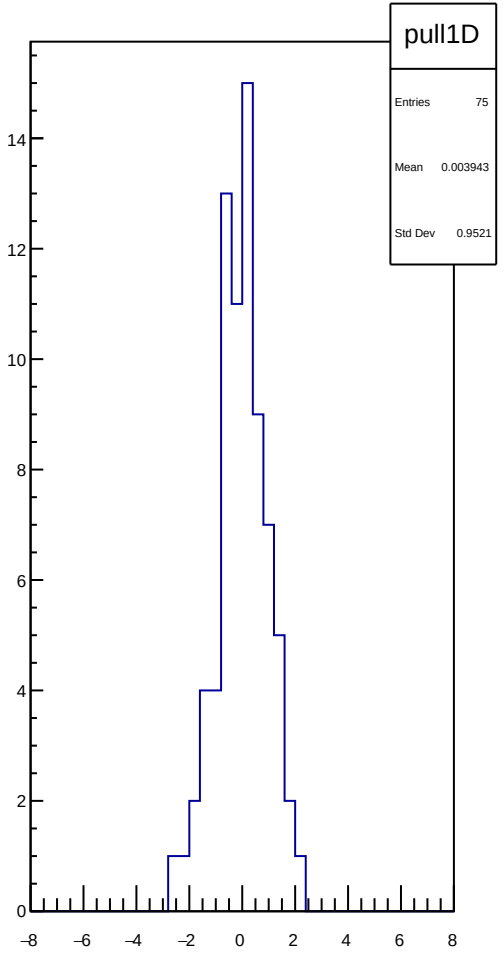

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 94.87 / 74
p0 441.7 ± 2506
pull
Entries 75
Mean 561.1
Std Dev 0
pull1D
Entries 75
Mean 0.005009
Std Dev 1.125

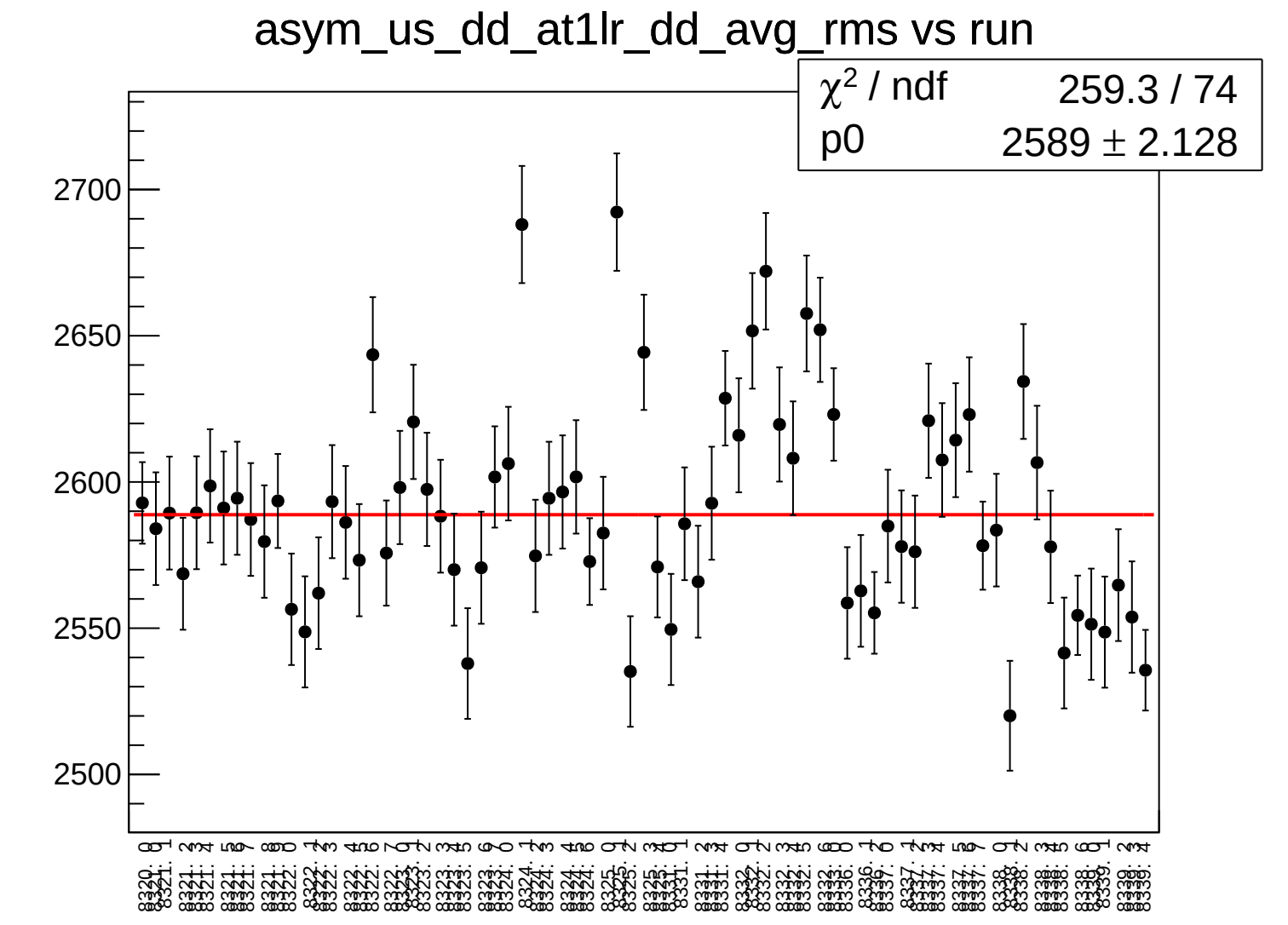

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 90.28 / 74
p0 2156 ± 1.772
2220
2200
2180
2160
2140
2120
2100

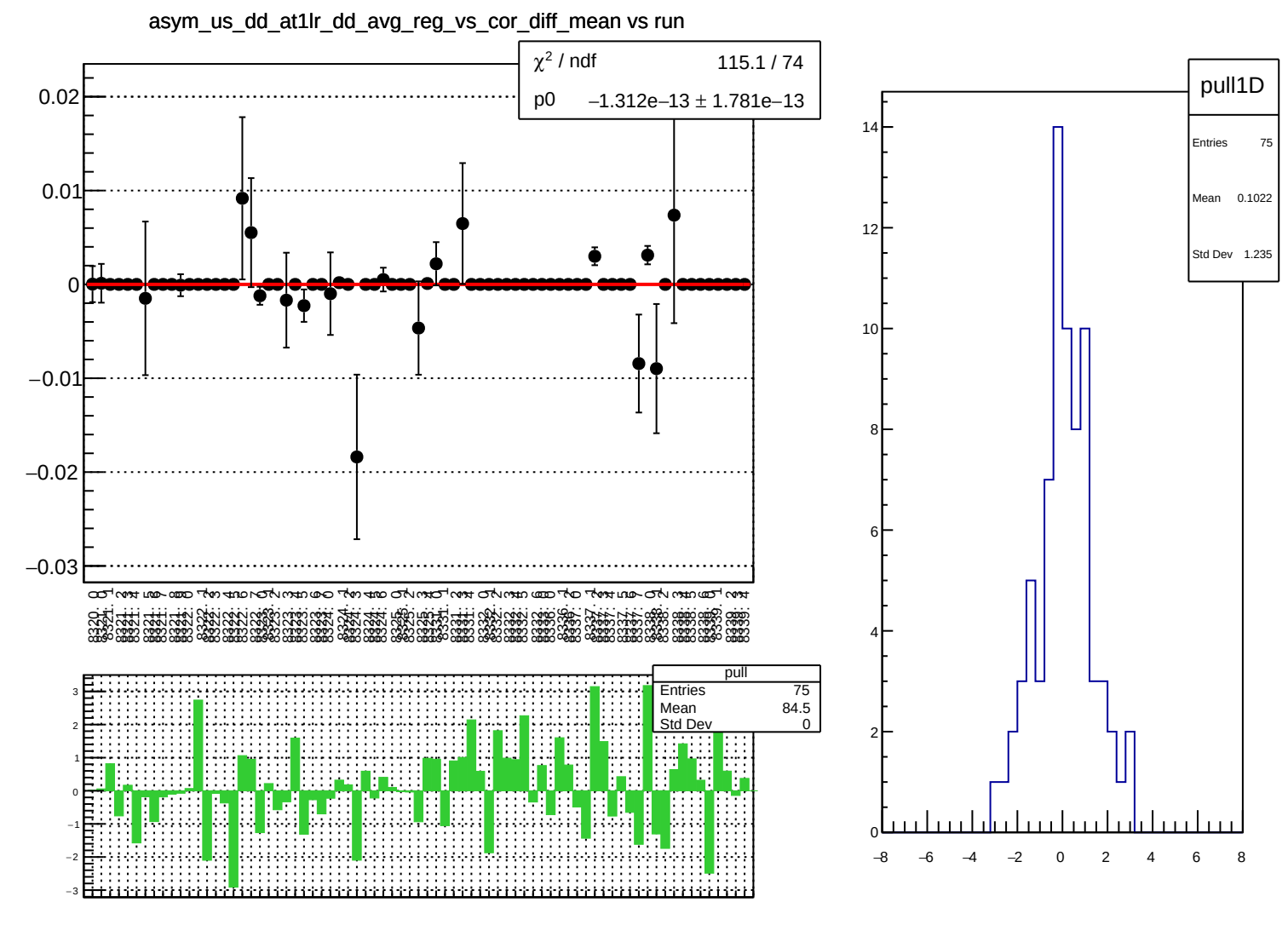

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.91 / 74
p0 1058 ± 1683
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 1666
Std Dev 0
pull1D
Entries 75
Mean 0.000575
Std Dev 1.051

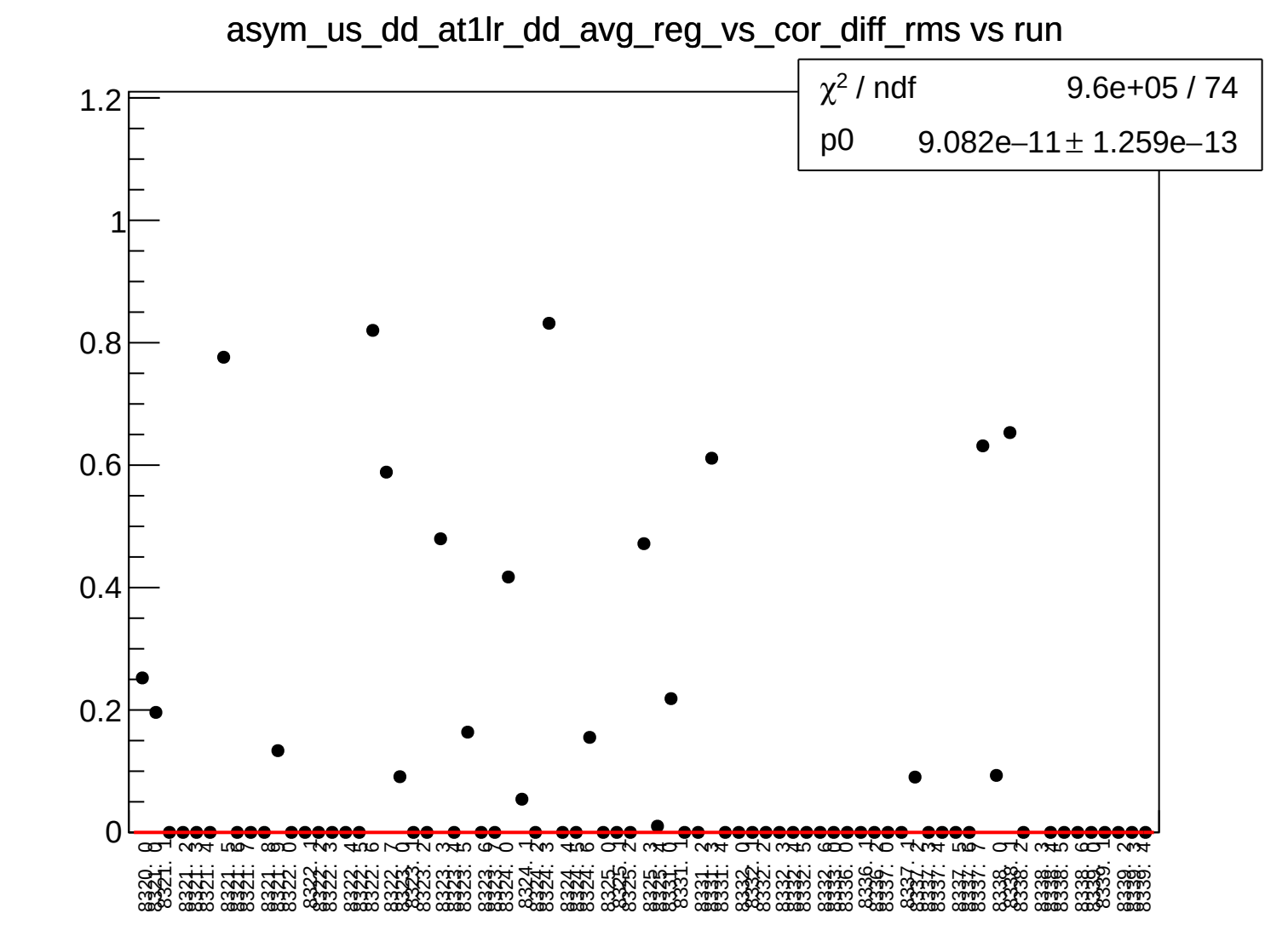

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2214 / 74
p0 1447 ± 1.19
1650
1600
1550
1500
1450
1400
1350
1300

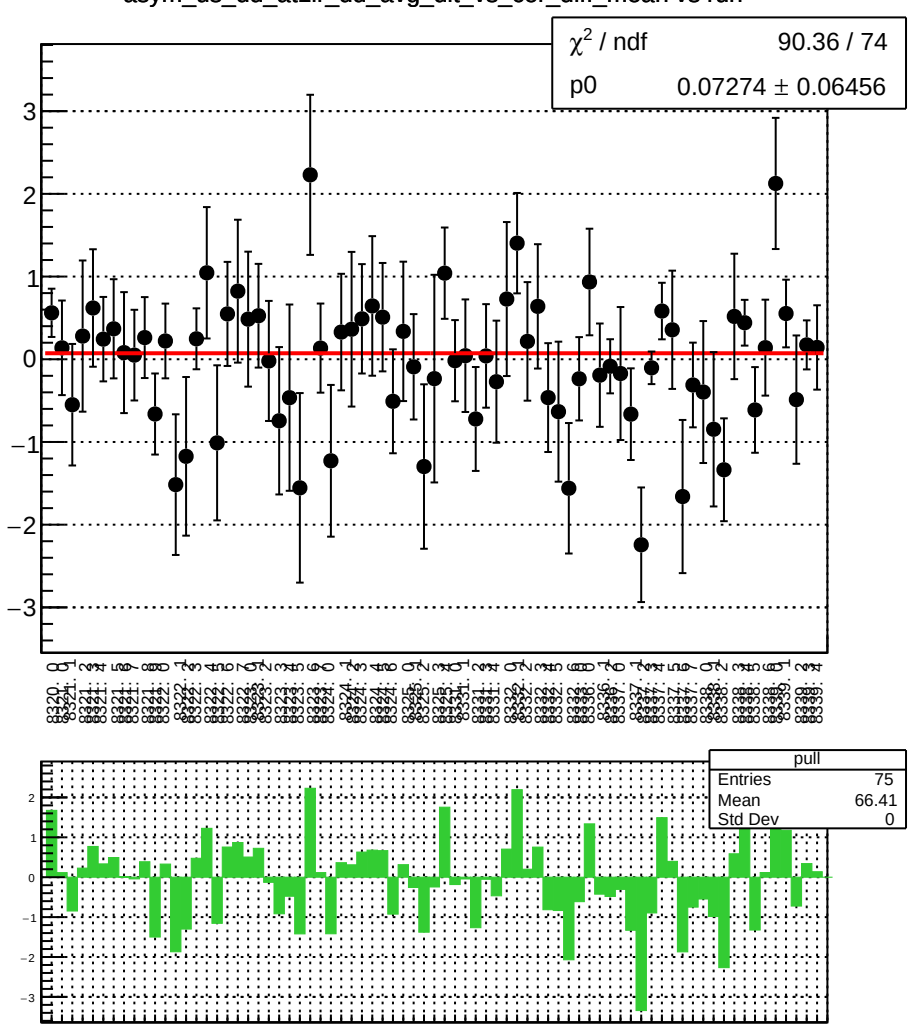

asym_us_dd_at1lr_dd_avg_mean vs run
×10^3
χ² / ndf 67.99 / 74
p0 −635.7 ± 3010
pull
Entries 75
Mean 467.5
Std Dev 0

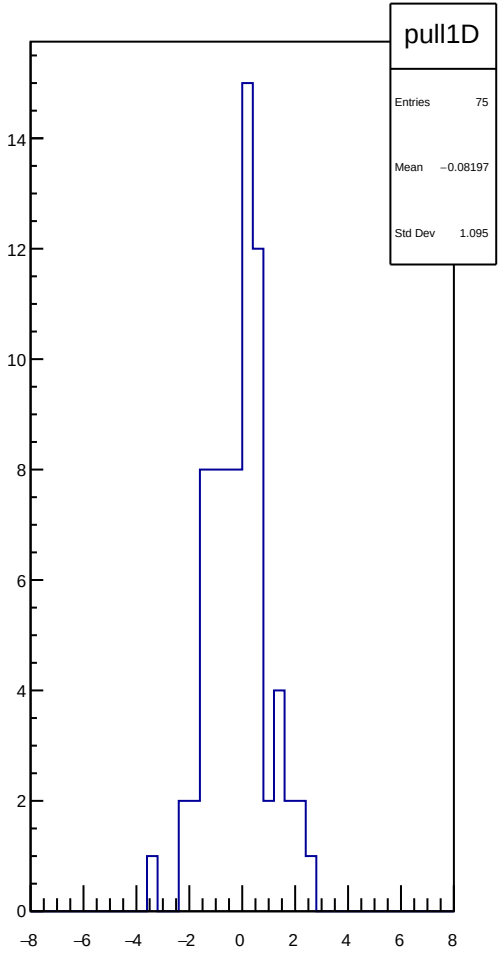

pull1D
Entries 75
Mean 0.003943
Std Dev 0.9521

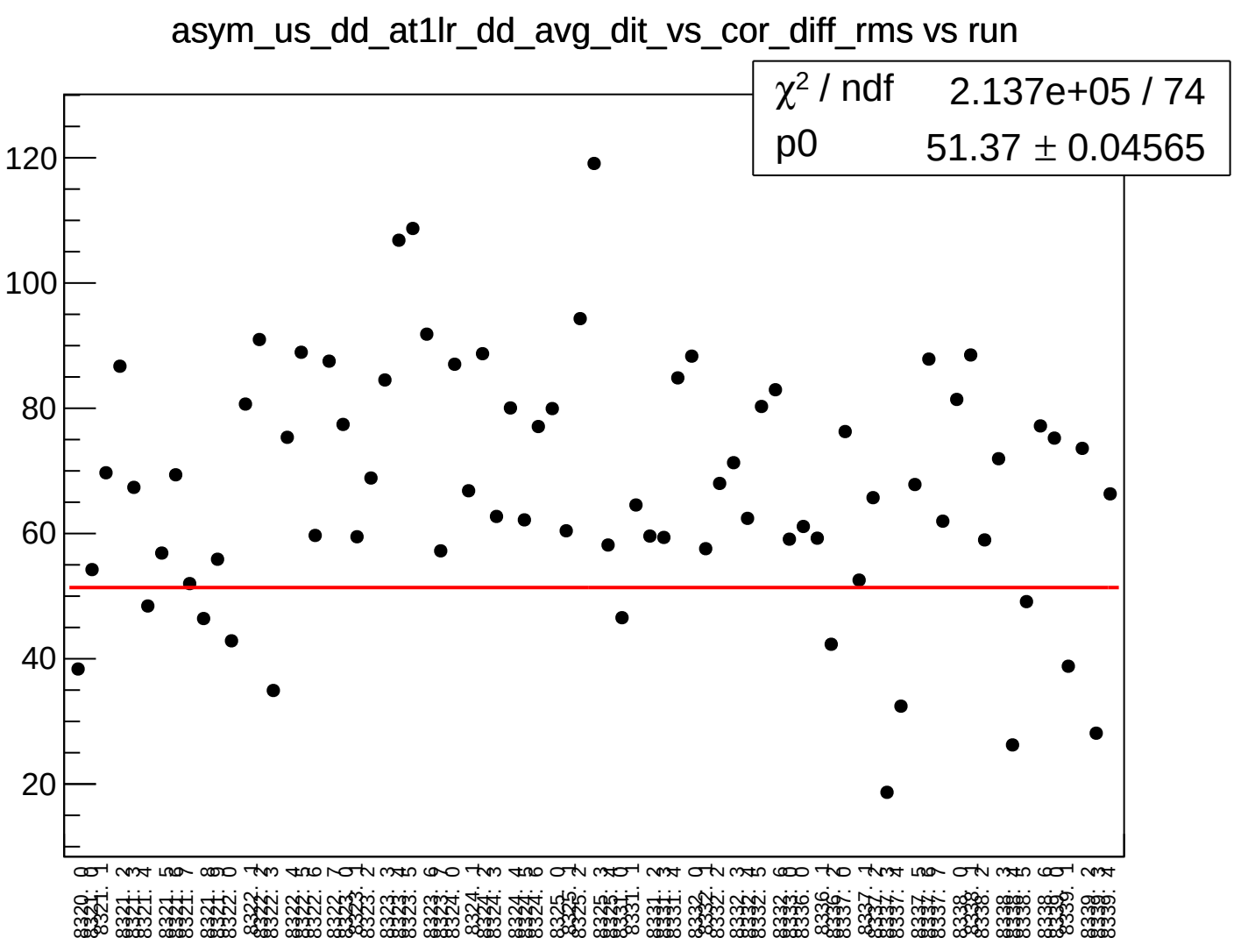

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 259.3 / 74
p0 2589 ± 2.128
2700
2650
2600
2550
2500

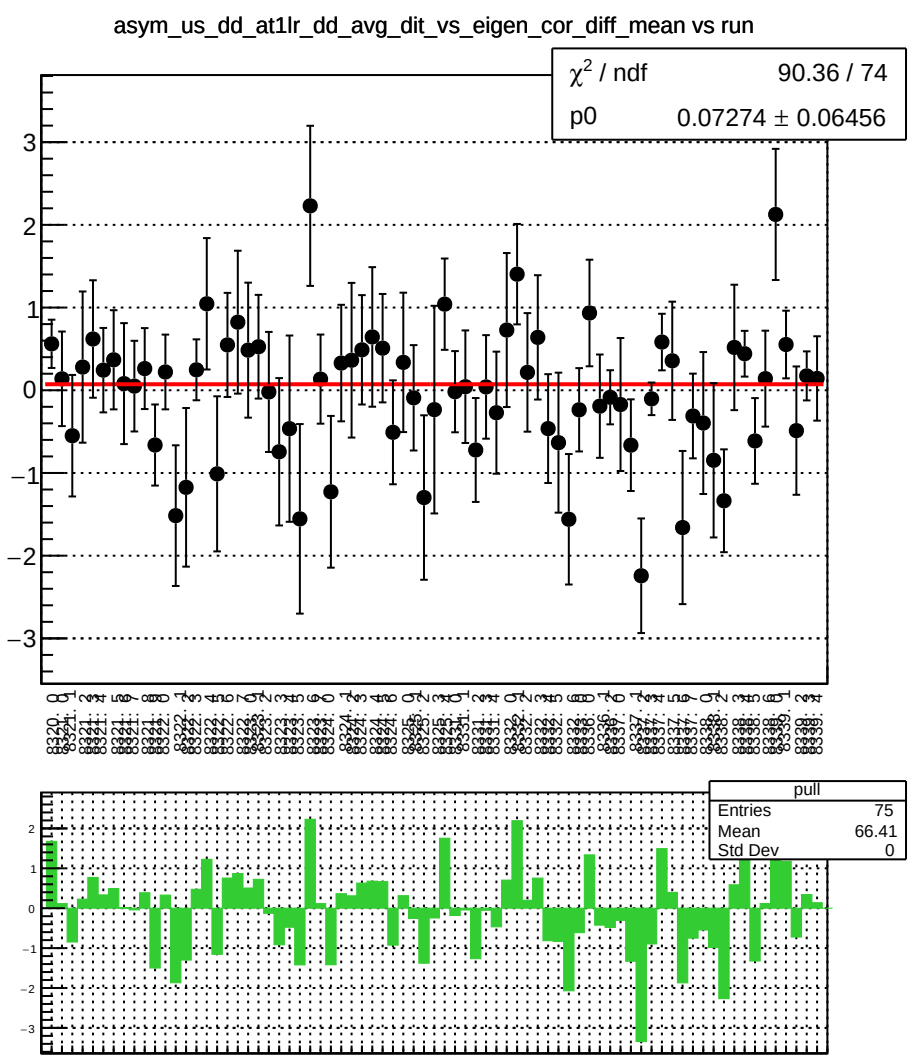

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 115.1 / 74
p0 −1.312e−13 ± 1.781e−13
pull
Entries 75
Mean 84.5
Std Dev 0
pull1D
Entries 75
Mean 0.1022
Std Dev 1.235

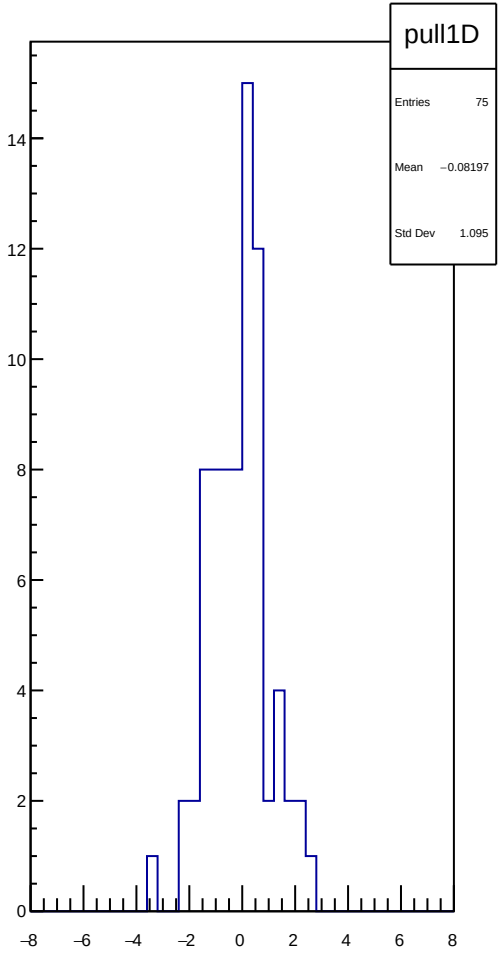

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 9.6e+05 / 74
p0 9.082e−11 ± 1.259e−13
1.2
1
0.8
0.6
0.4
0.2
0

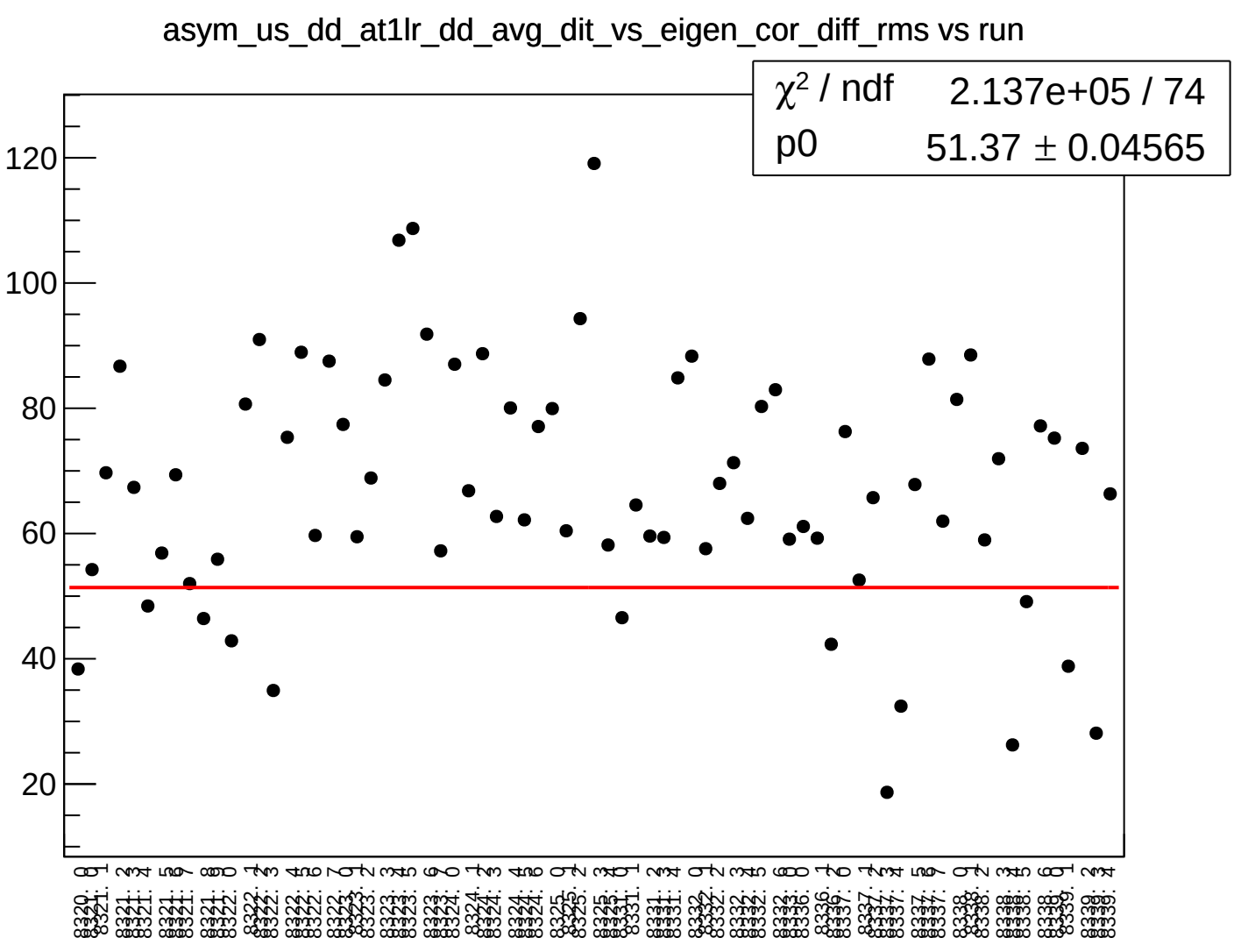

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 90.36 / 74
p0 0.07274 ± 0.06456
pull
Entries 75
Mean 66.41
Std Dev 0

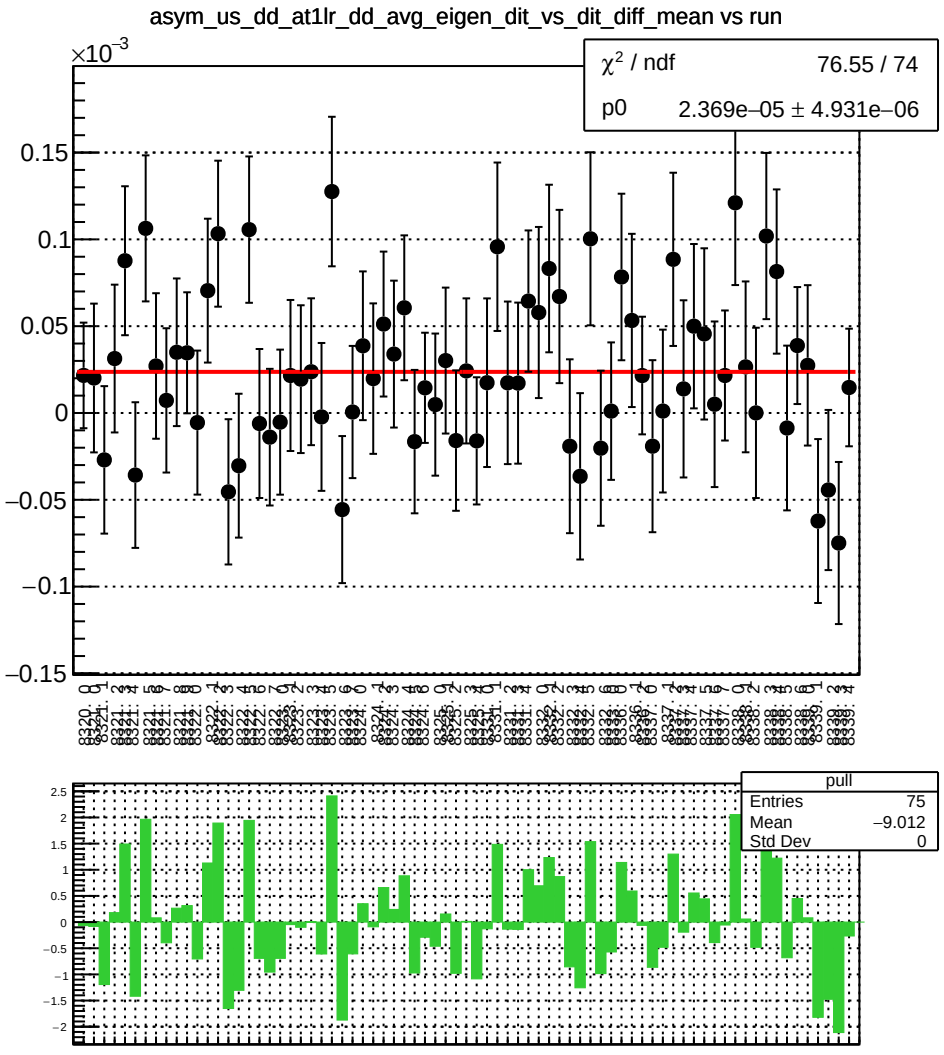

pull1D
Entries 75
Mean −0.08197
Std Dev 1.095

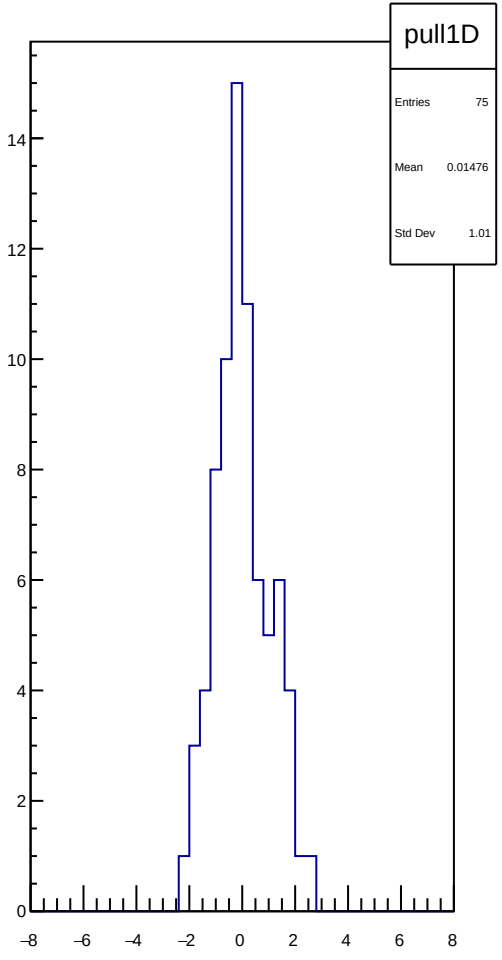

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.137e+05 / 74
p0 51.37 ± 0.04565
120
100
80
60
40
20

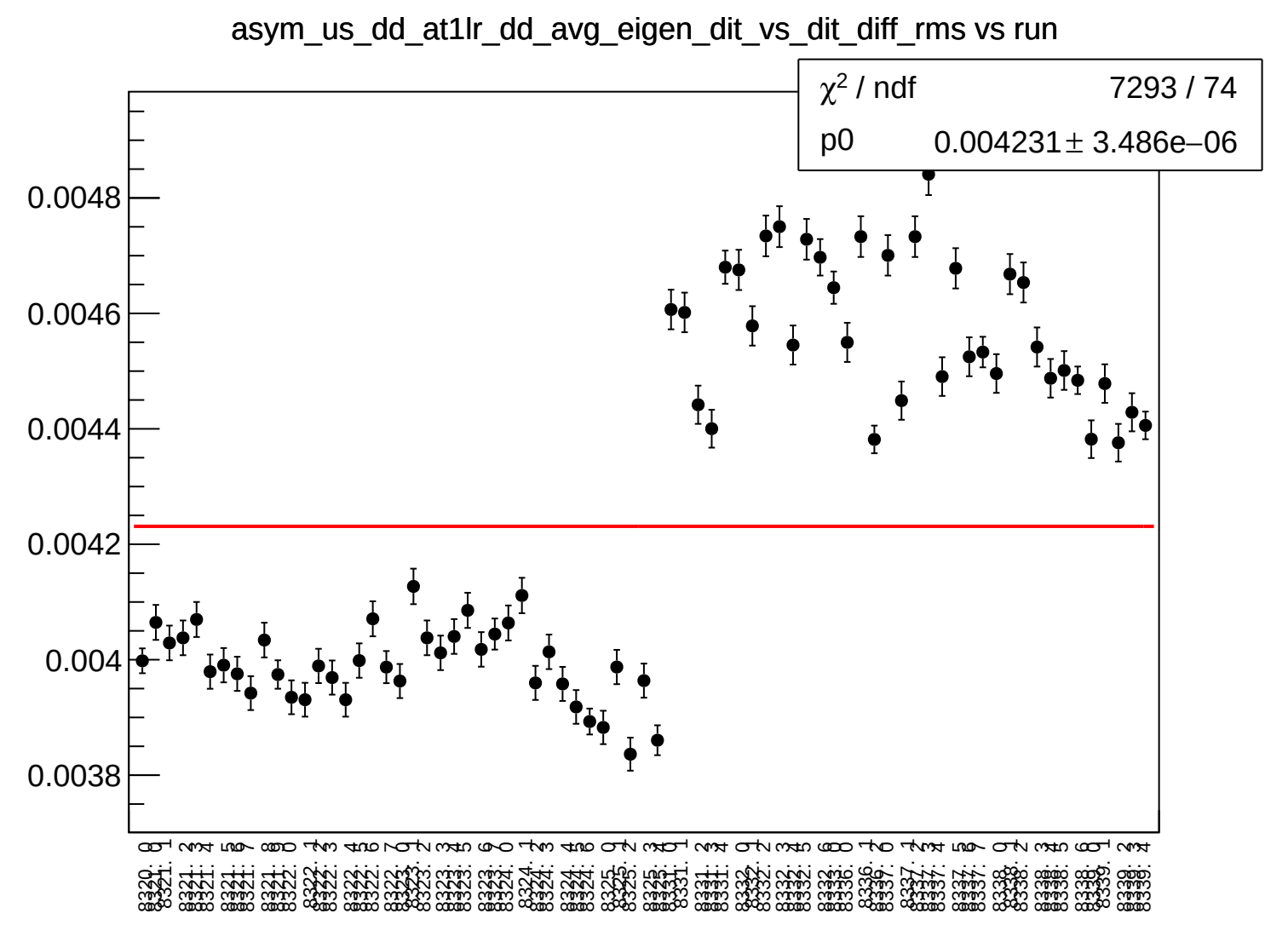

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.36 / 74
p0 0.07274 ± 0.06456
pull
Entries 75
Mean 66.41
Std Dev 0

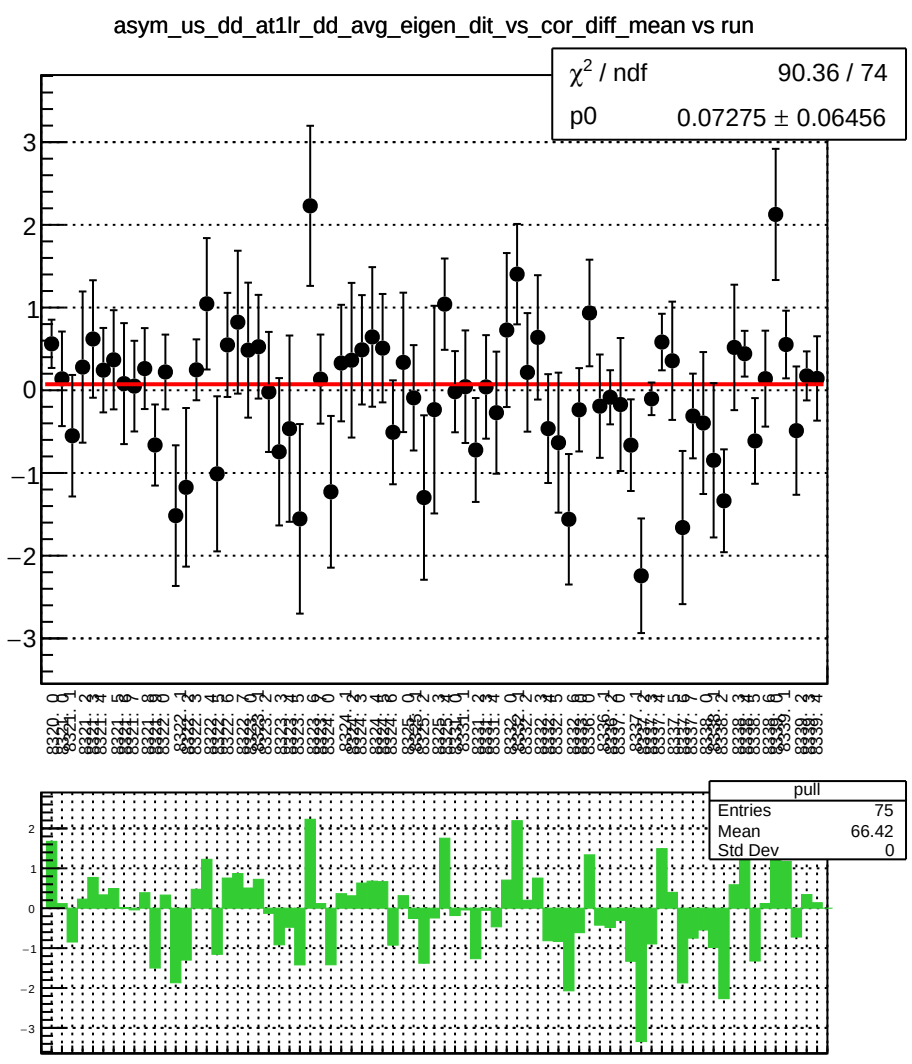

pull1D
Entries 75
Mean −0.08197
Std Dev 1.095

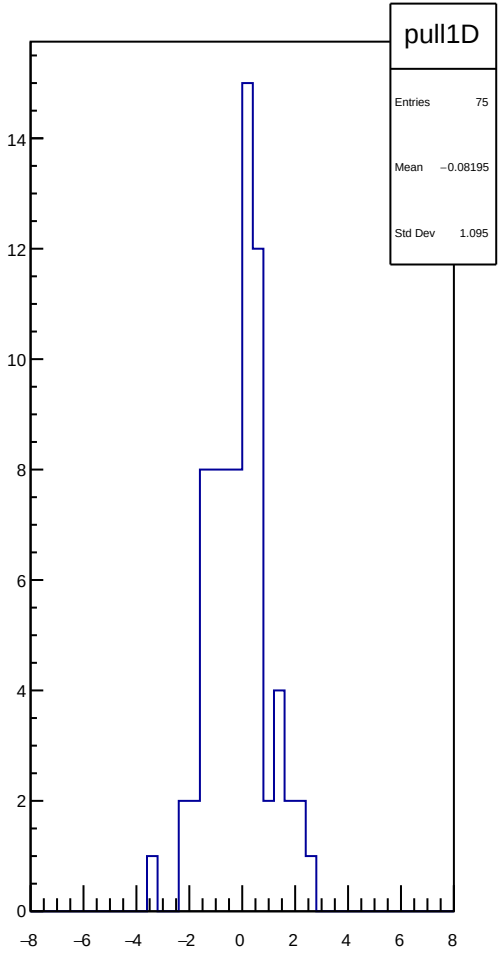

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.137e+05 / 74
p0 51.37 ± 0.04565
120
100
80
60
40
20

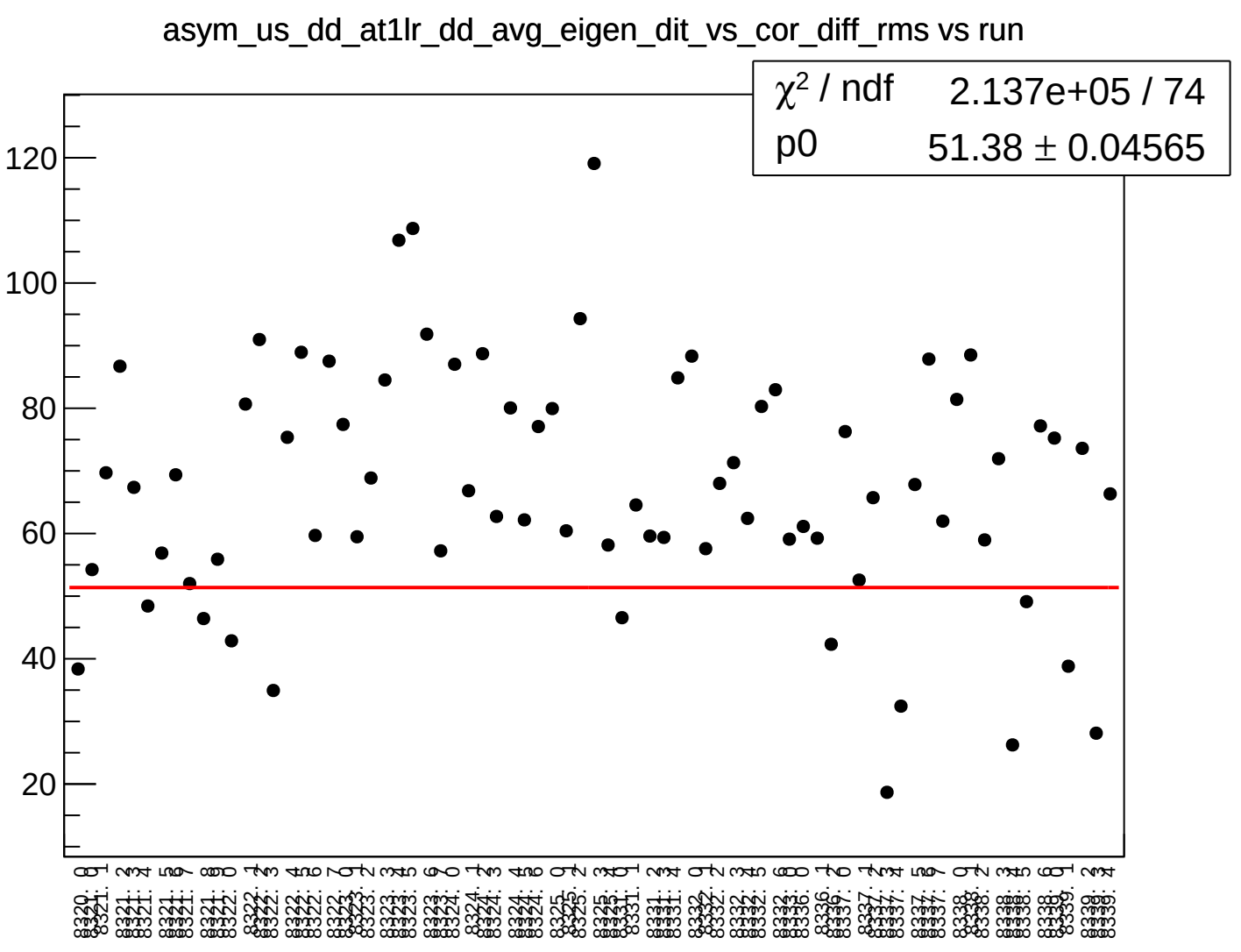

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.55 / 74
p0 2.369e−05 ± 4.931e−06
pull
Entries 75
Mean −9.012
Std Dev 0

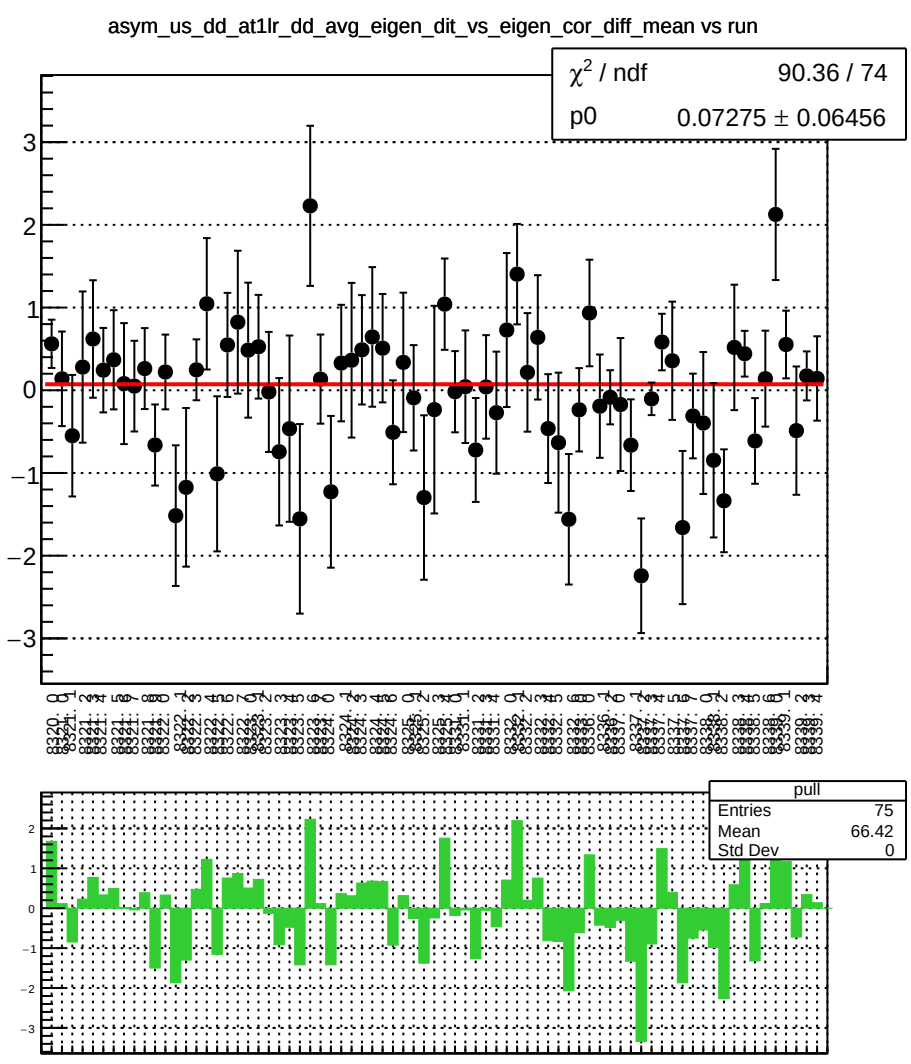

pull1D
Entries 75
Mean 0.01476
Std Dev 1.01

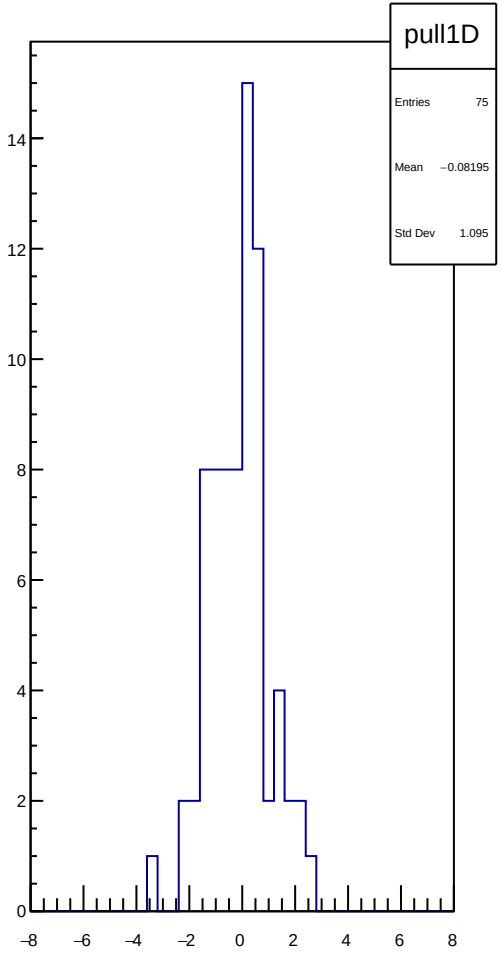

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7293 / 74
p0 0.004231 ± 3.486e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038

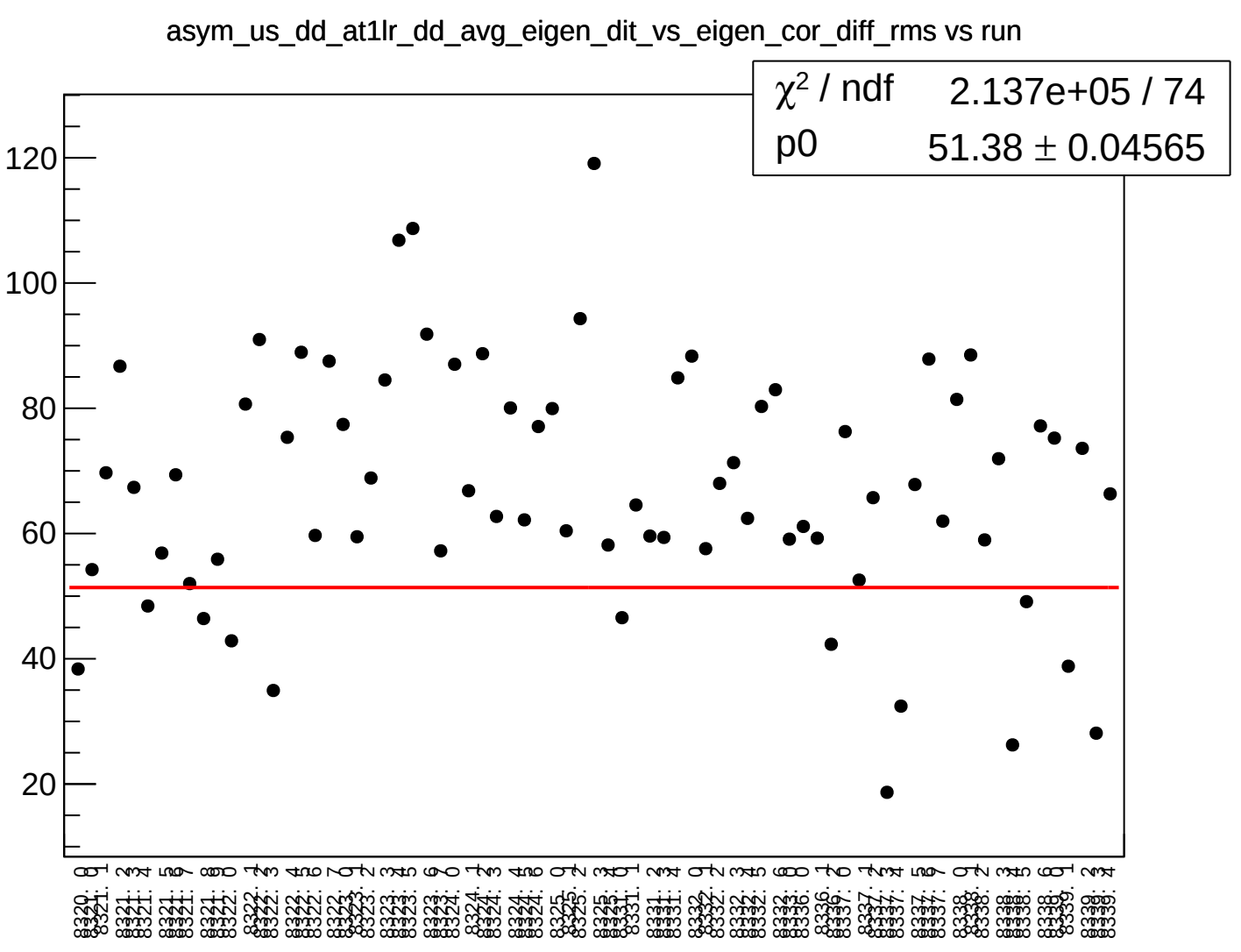

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 90.36 / 74
p0 0.07275 ± 0.06456
pull
Entries 75
Mean 66.42
Std Dev 0

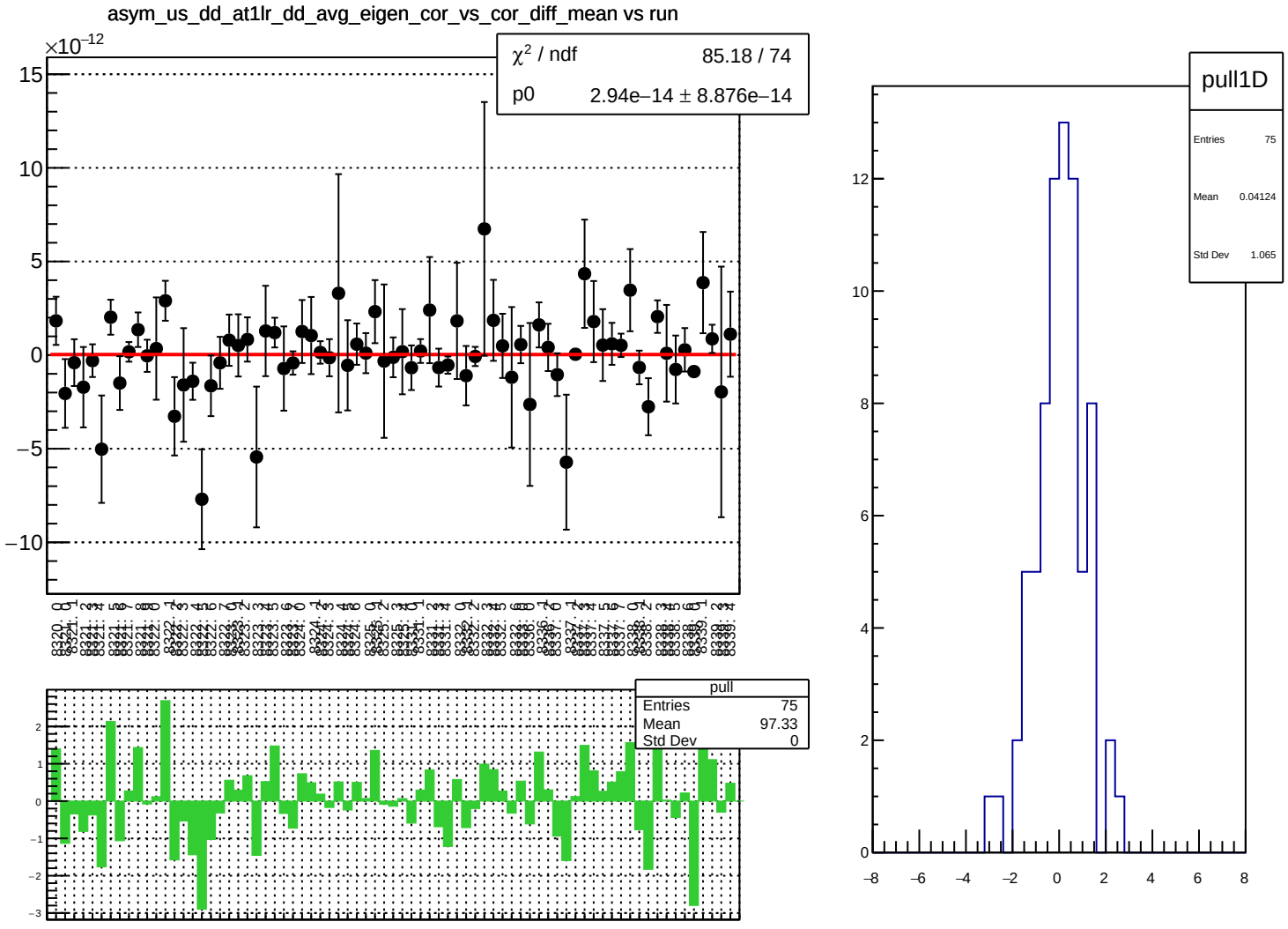

pull1D
Entries 75
Mean −0.08195
Std Dev 1.095

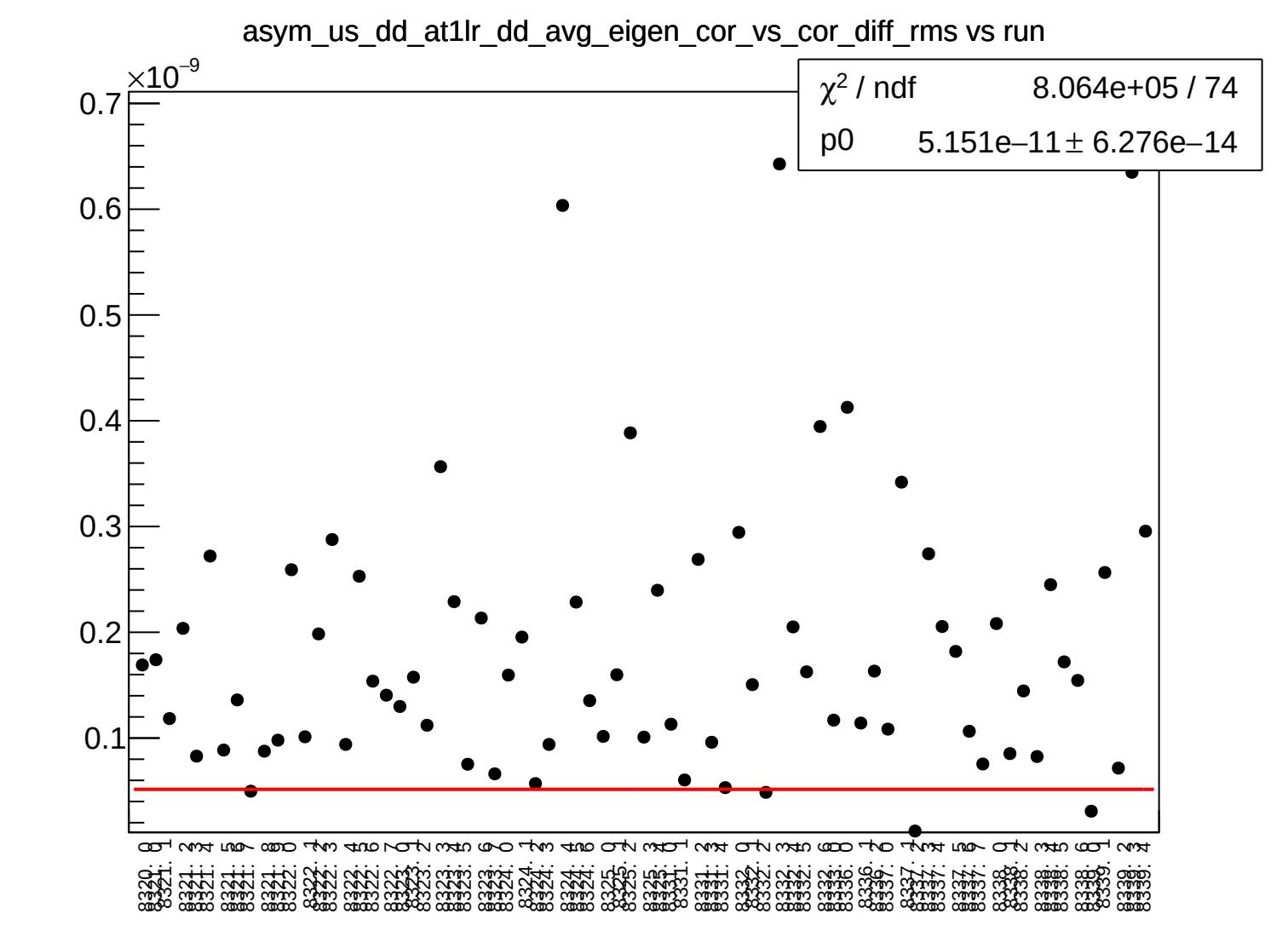

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.137e+05 / 74
p0 51.38 ± 0.04565
120
100
80
60
40
20

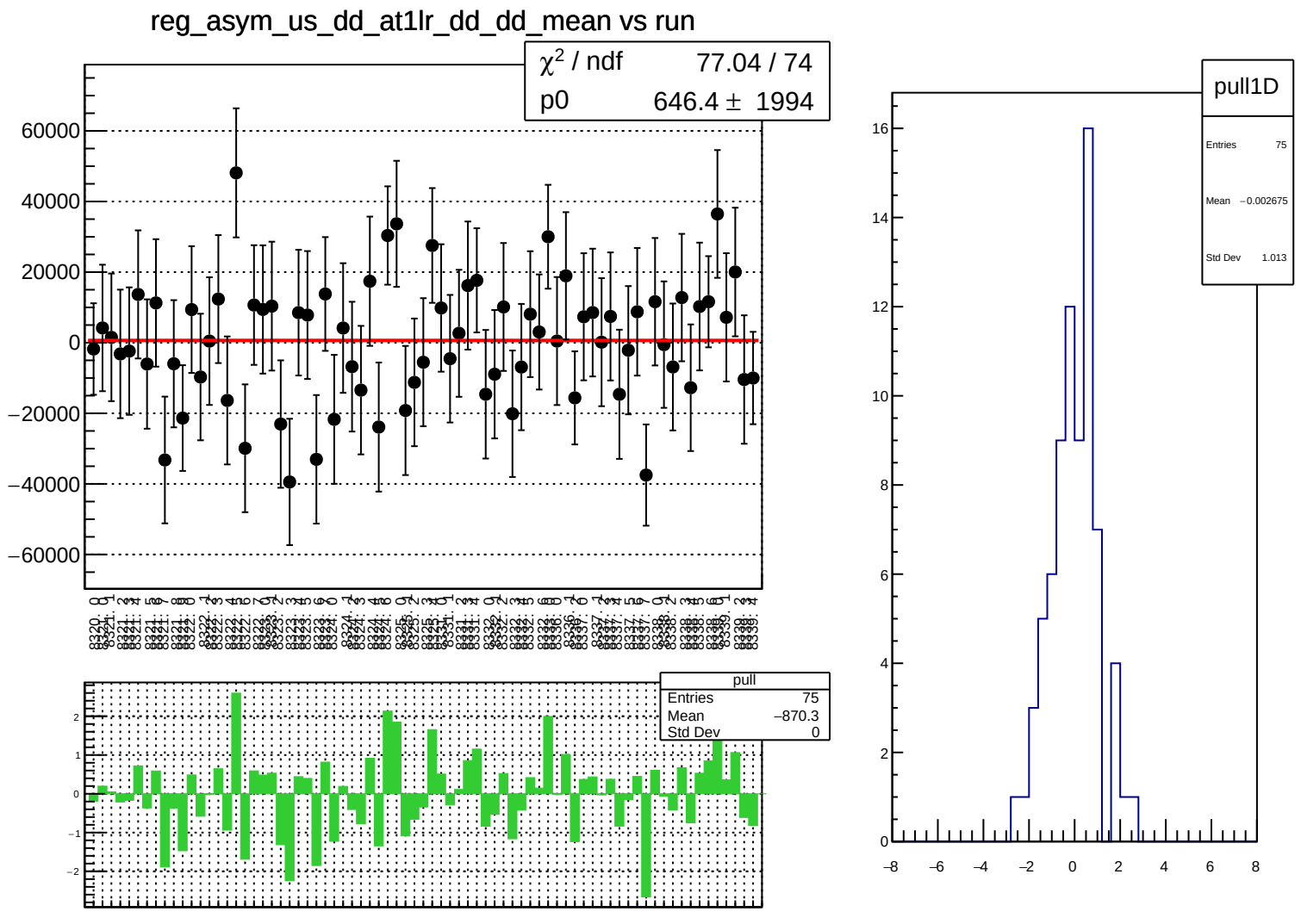

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 90.36 / 74
p0 0.07275 ± 0.06456
pull
Entries 75
Mean 66.42
Std Dev 0

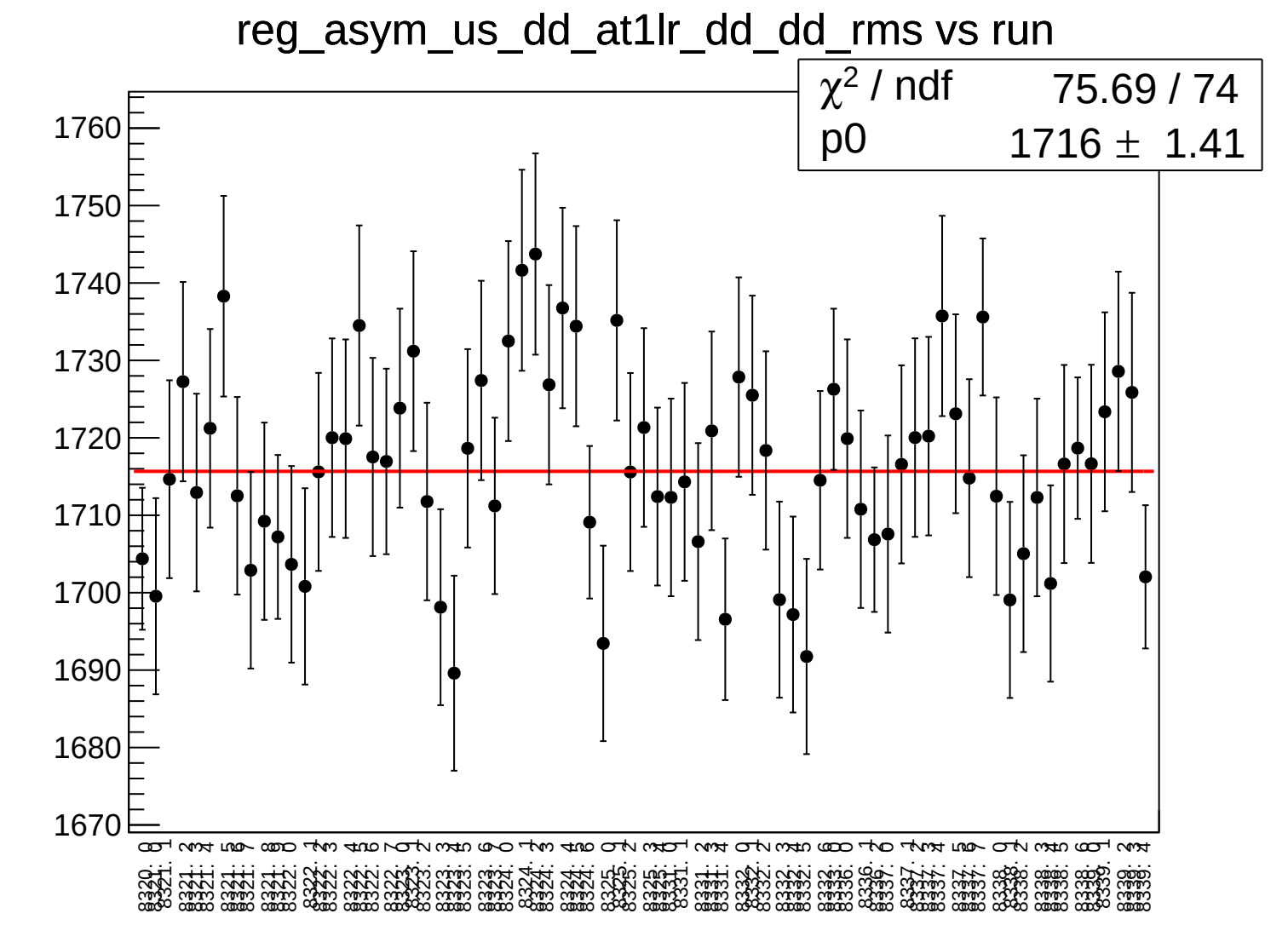

pull1D
Entries 75
Mean −0.08195
Std Dev 1.095

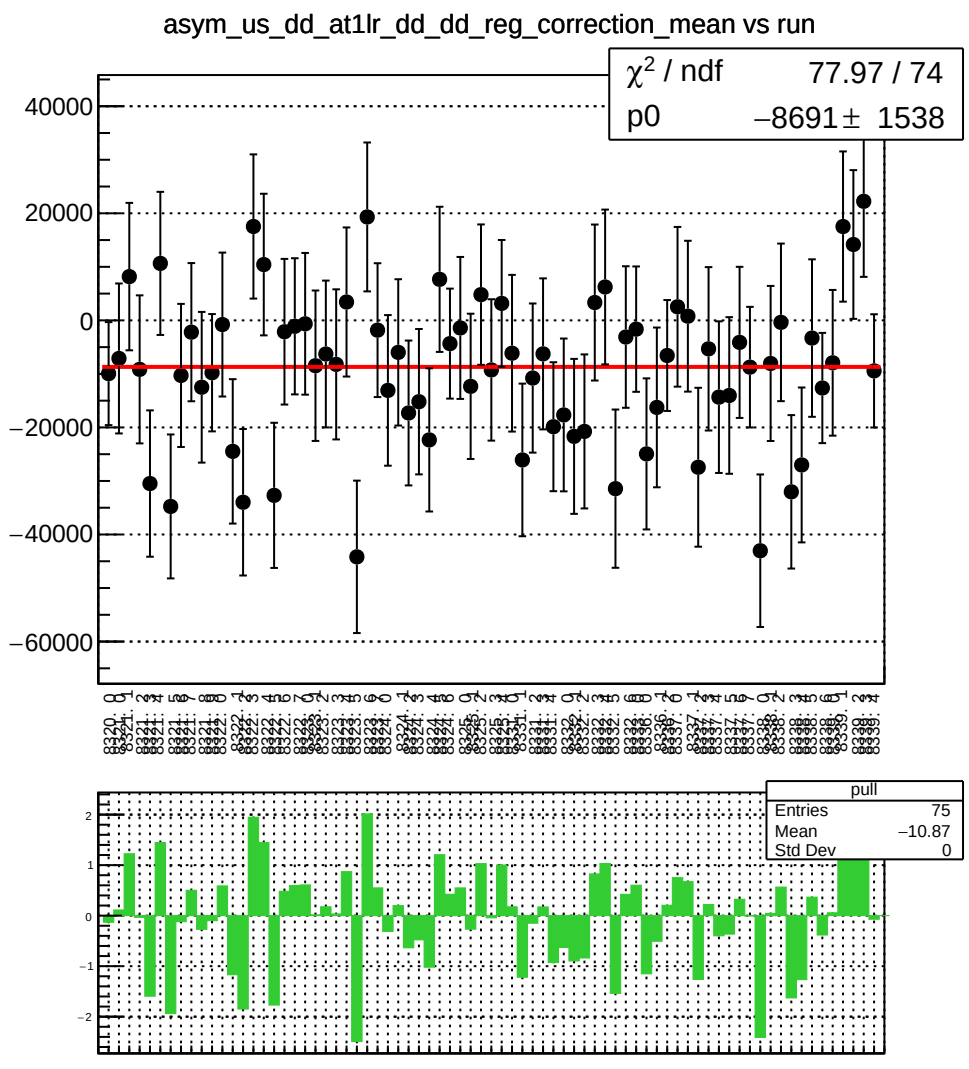

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.137e+05 / 74
p0 51.38 ± 0.04565
120
100
80
60
40
20

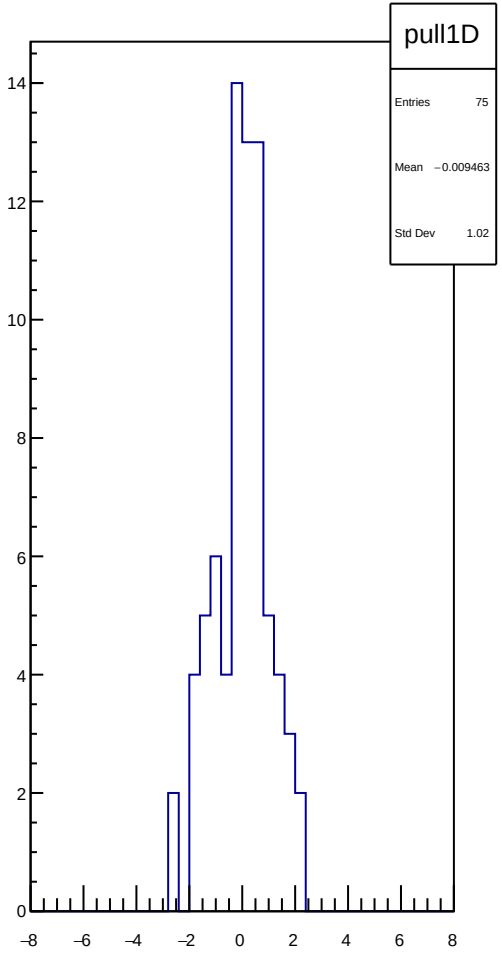

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.18 / 74
p0 2.94e−14 ± 8.876e−14
pull
Entries 75
Mean 97.33
Std Dev 0
pull1D
Entries 75
Mean 0.04124
Std Dev 1.065

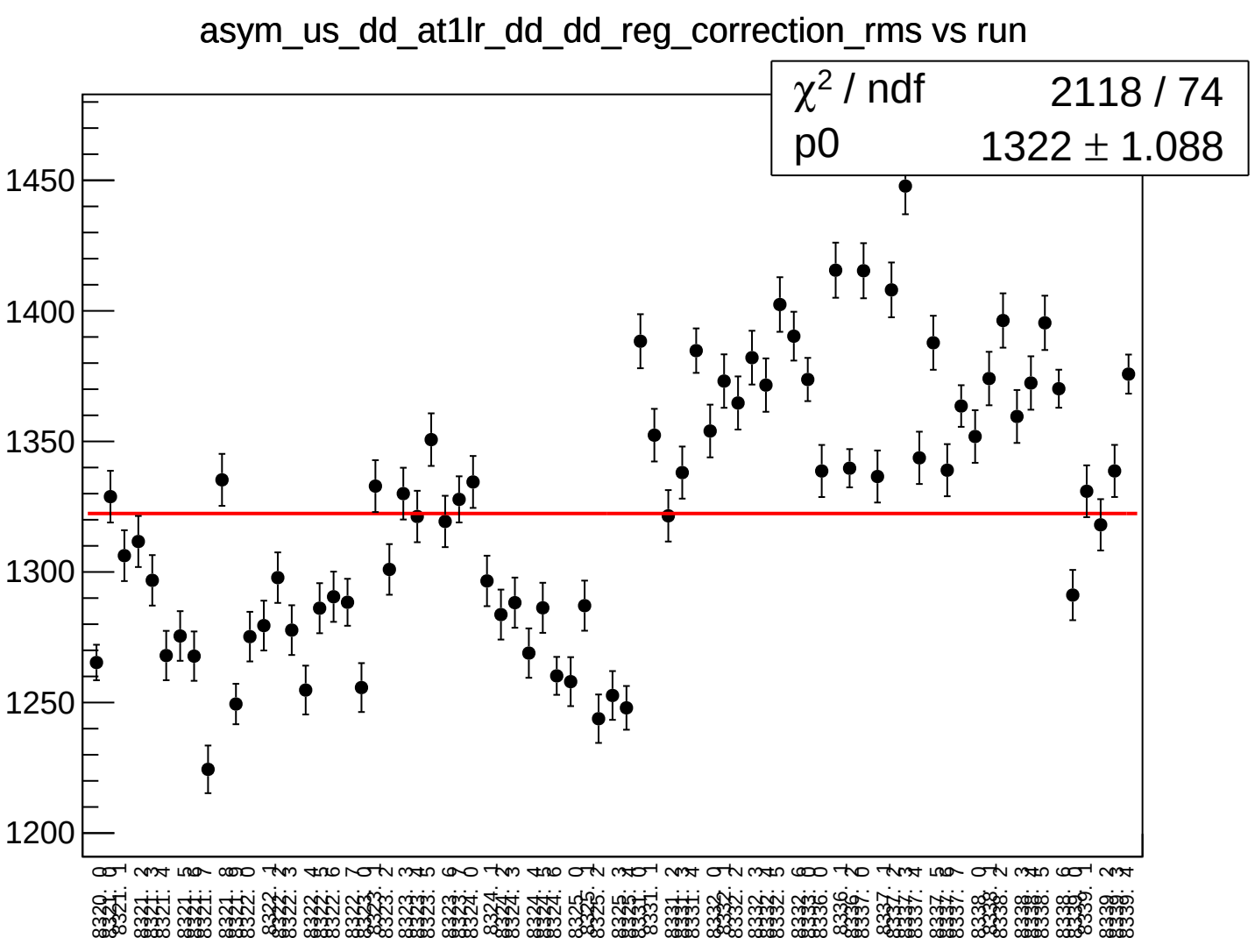

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 8.064e+05 / 74
p0 5.151e−11 ± 6.276e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1

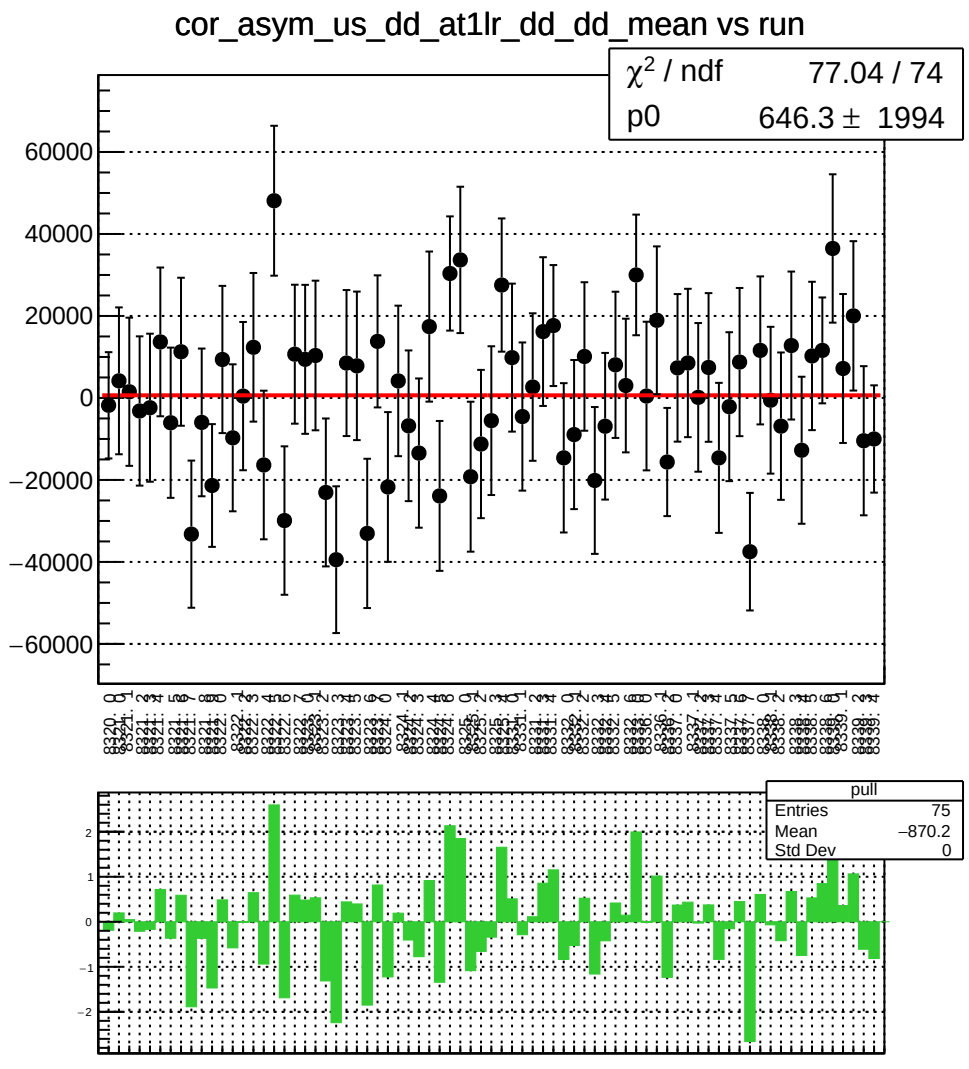

reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 77.04 / 74
p0 646.4 ± 1994
pull
Entries 75
Mean −870.3
Std Dev 0
pull1D
Entries 75
Mean −0.002675
Std Dev 1.013

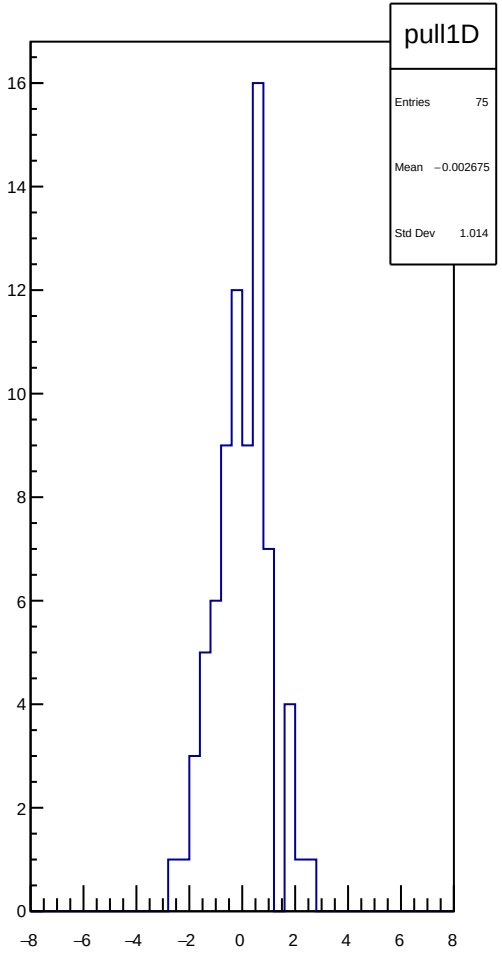

reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 75.69 / 74
p0 1716 ± 1.41
1760
1750
1740
1730
1720
1710
1700
1690
1680
1670

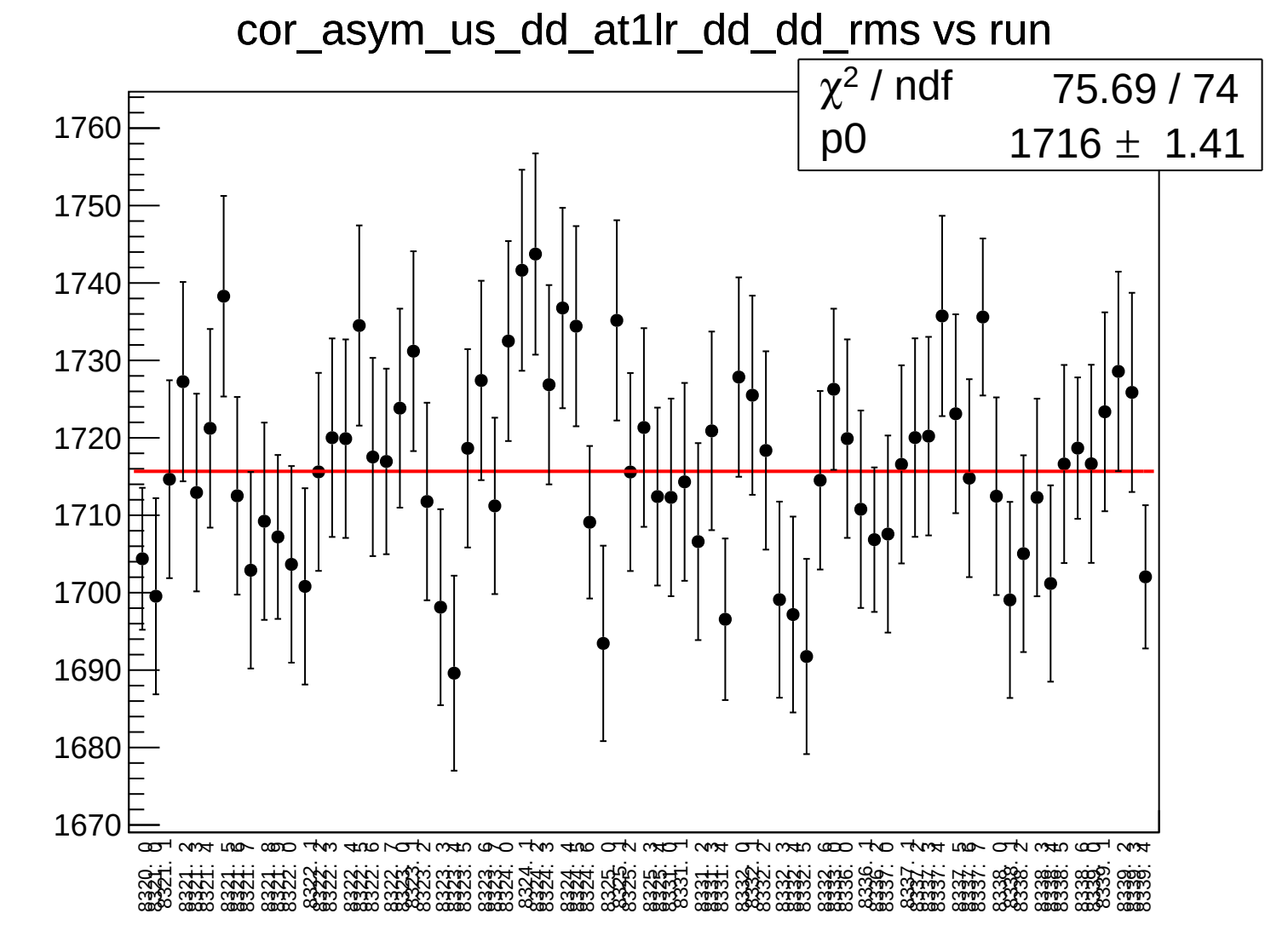

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 77.97 / 74
p0 −8691 ± 1538
pull
Entries 75
Mean −10.87
Std Dev 0

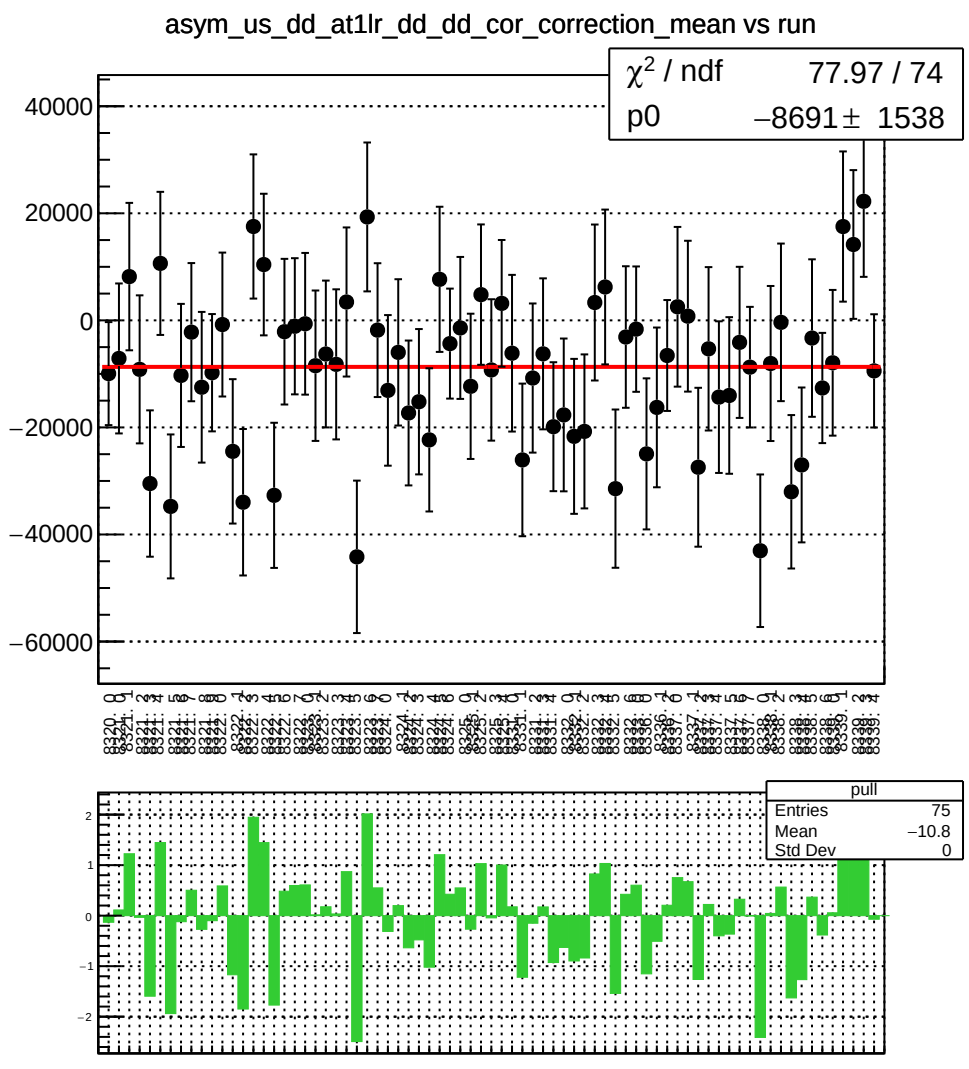

pull1D
Entries 75
Mean −0.009463
Std Dev 1.02

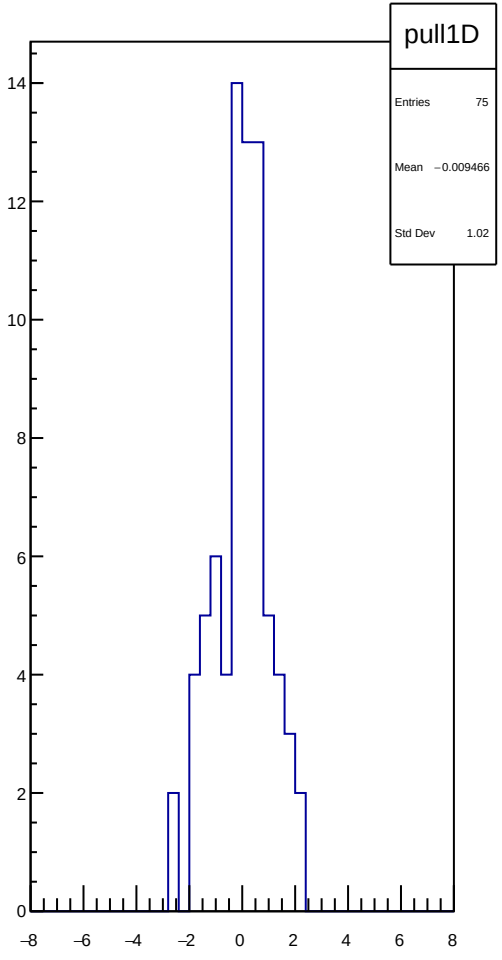

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2118 / 74
p0 1322 ± 1.088
1450
1400
1350
1300
1250
1200

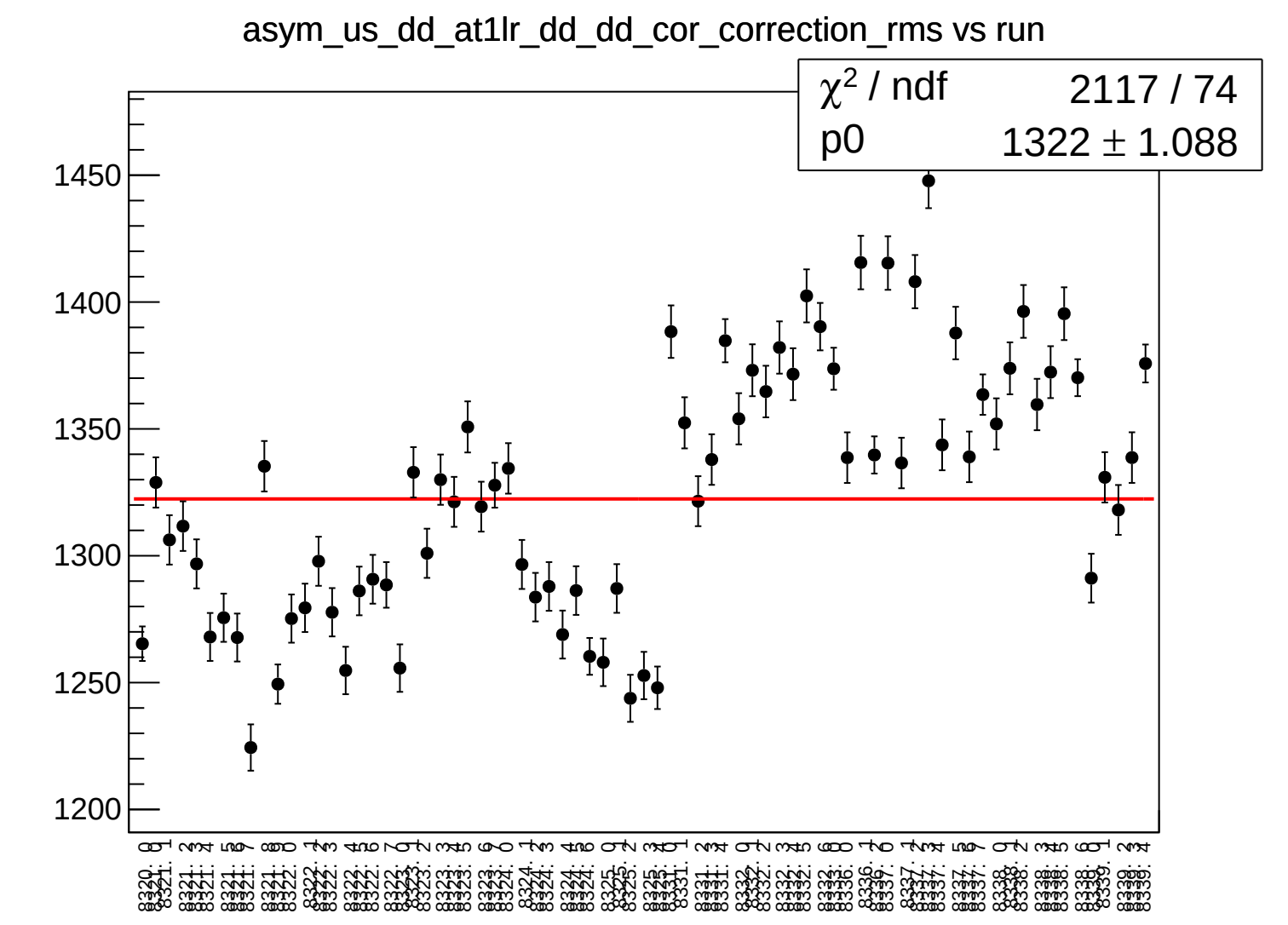

cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 77.04 / 74
p0 646.3 ± 1994
pull
Entries 75
Mean −870.2
Std Dev 0

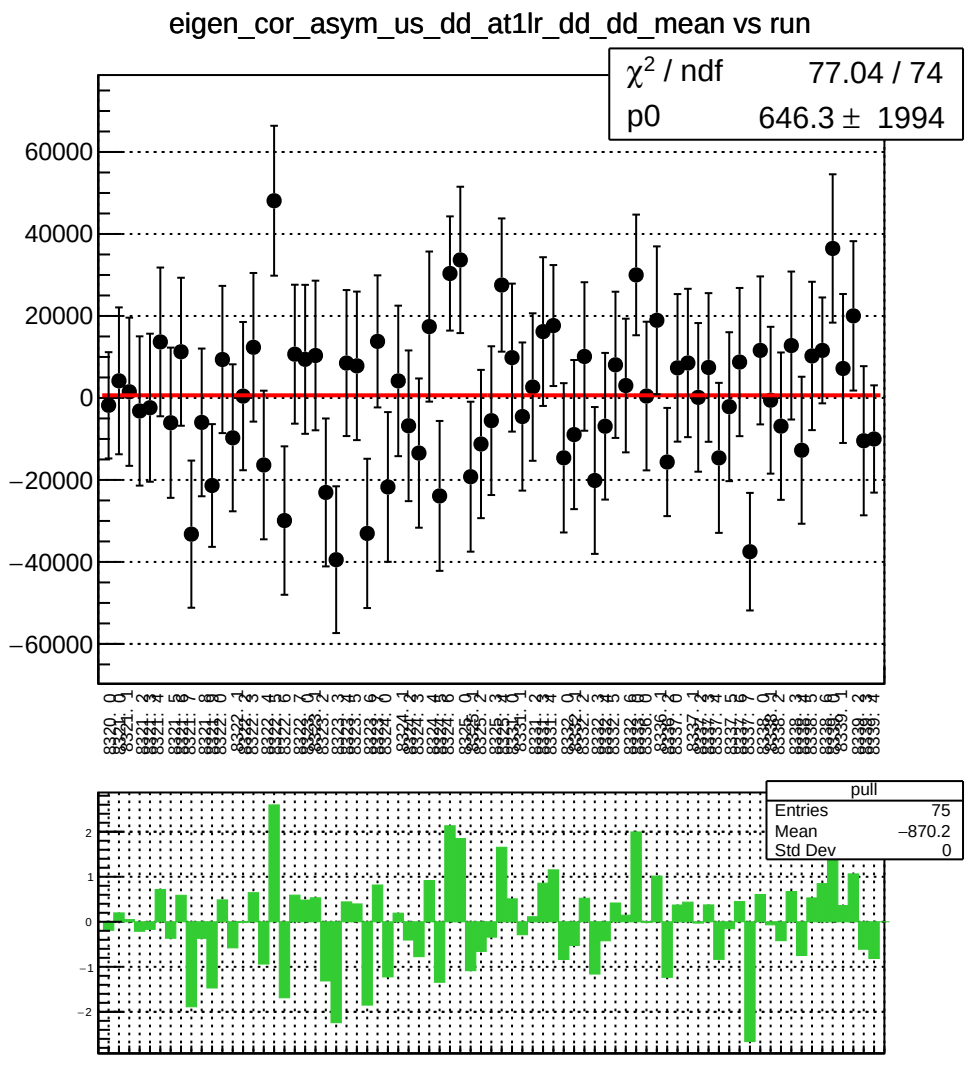

pull1D
Entries 75
Mean −0.002675
Std Dev 1.014

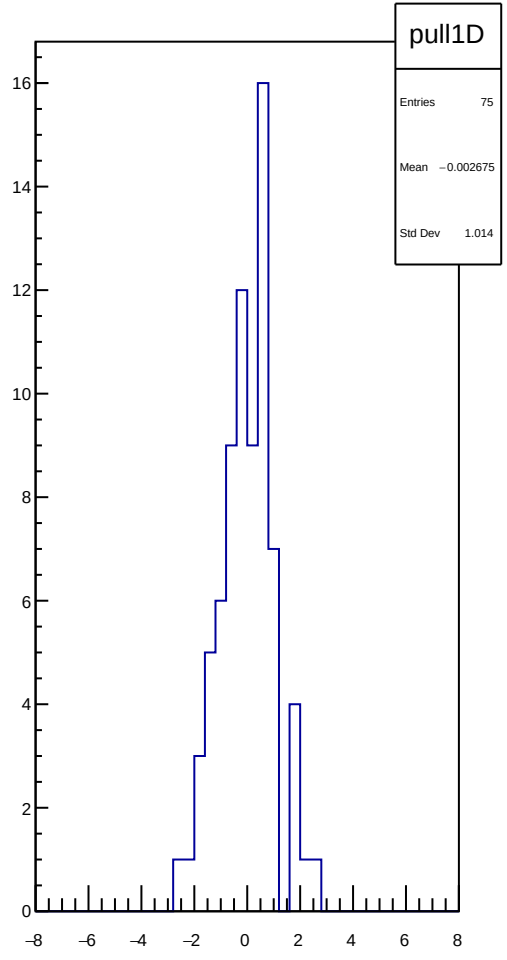

cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 75.69 / 74
p0 1716 ± 1.41
1760
1750
1740
1730
1720
1710
1700
1690
1680
1670

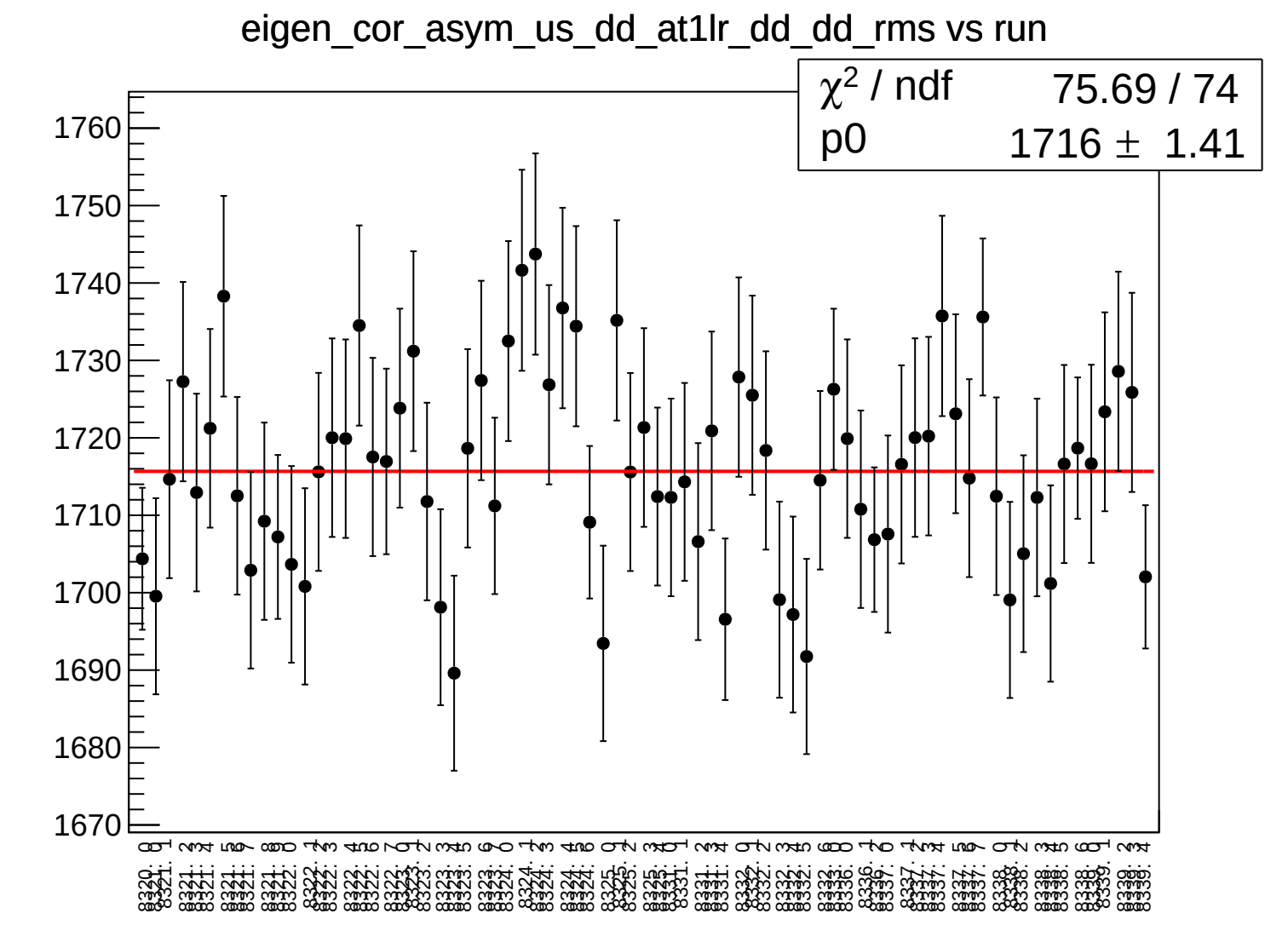

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 77.97 / 74
p0 −8691 ± 1538
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −10.8
Std Dev 0
2
1
0
−1
−2

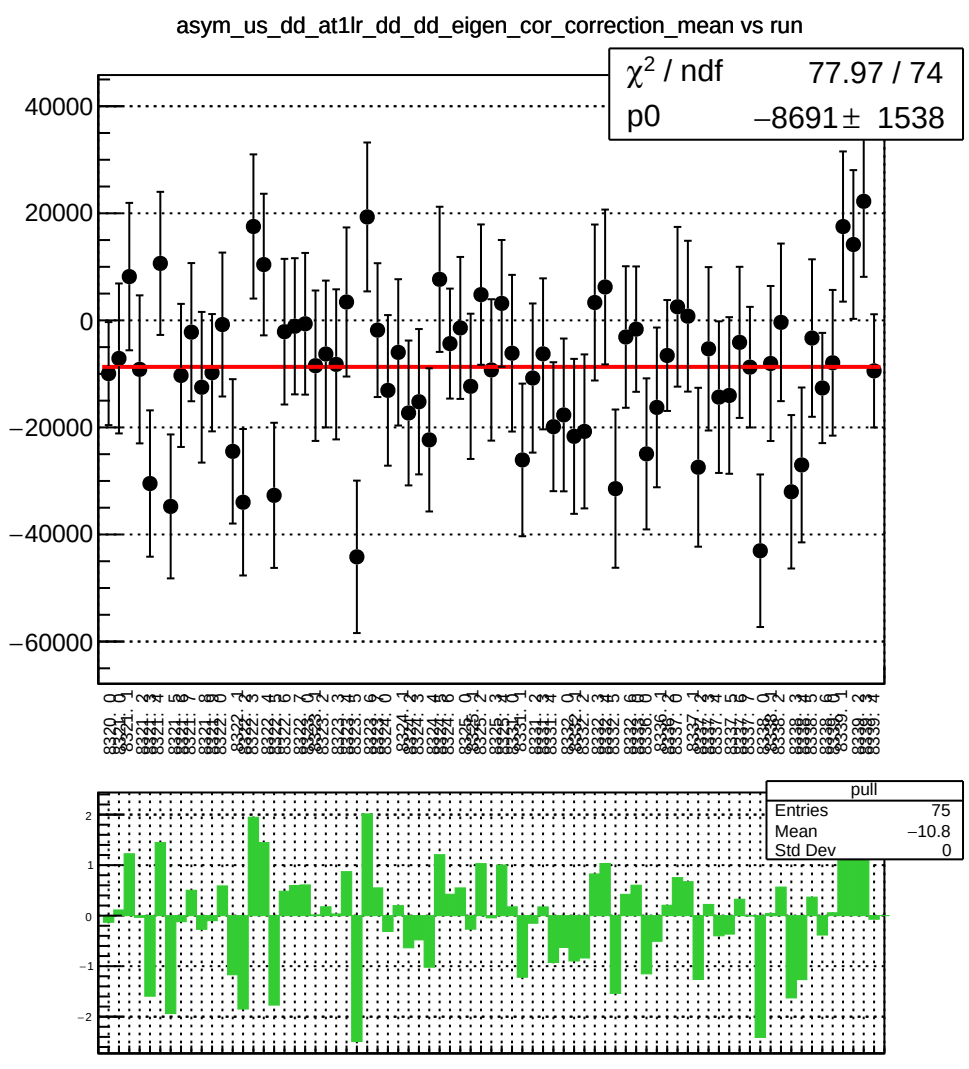

pull1D
Entries 75
Mean −0.009466
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

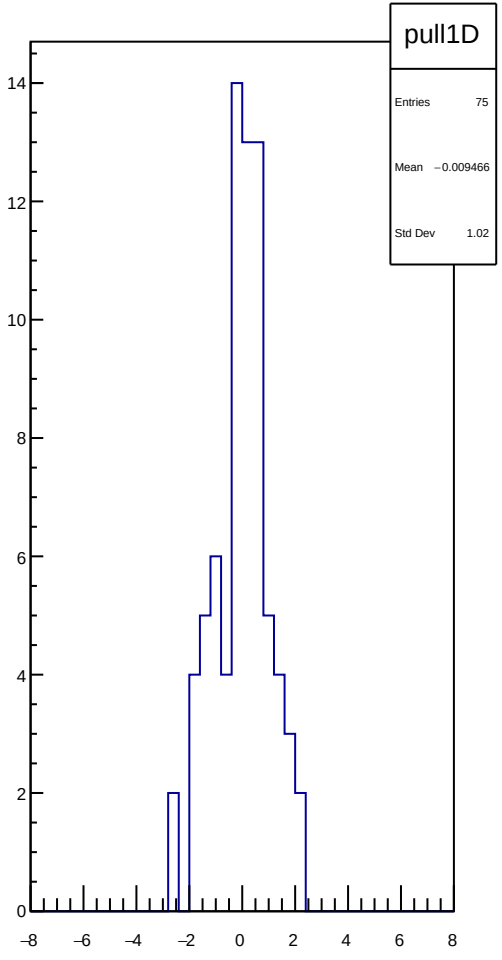

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2117 / 74
p0 1322 ± 1.088
1450
1400
1350
1300
1250
1200

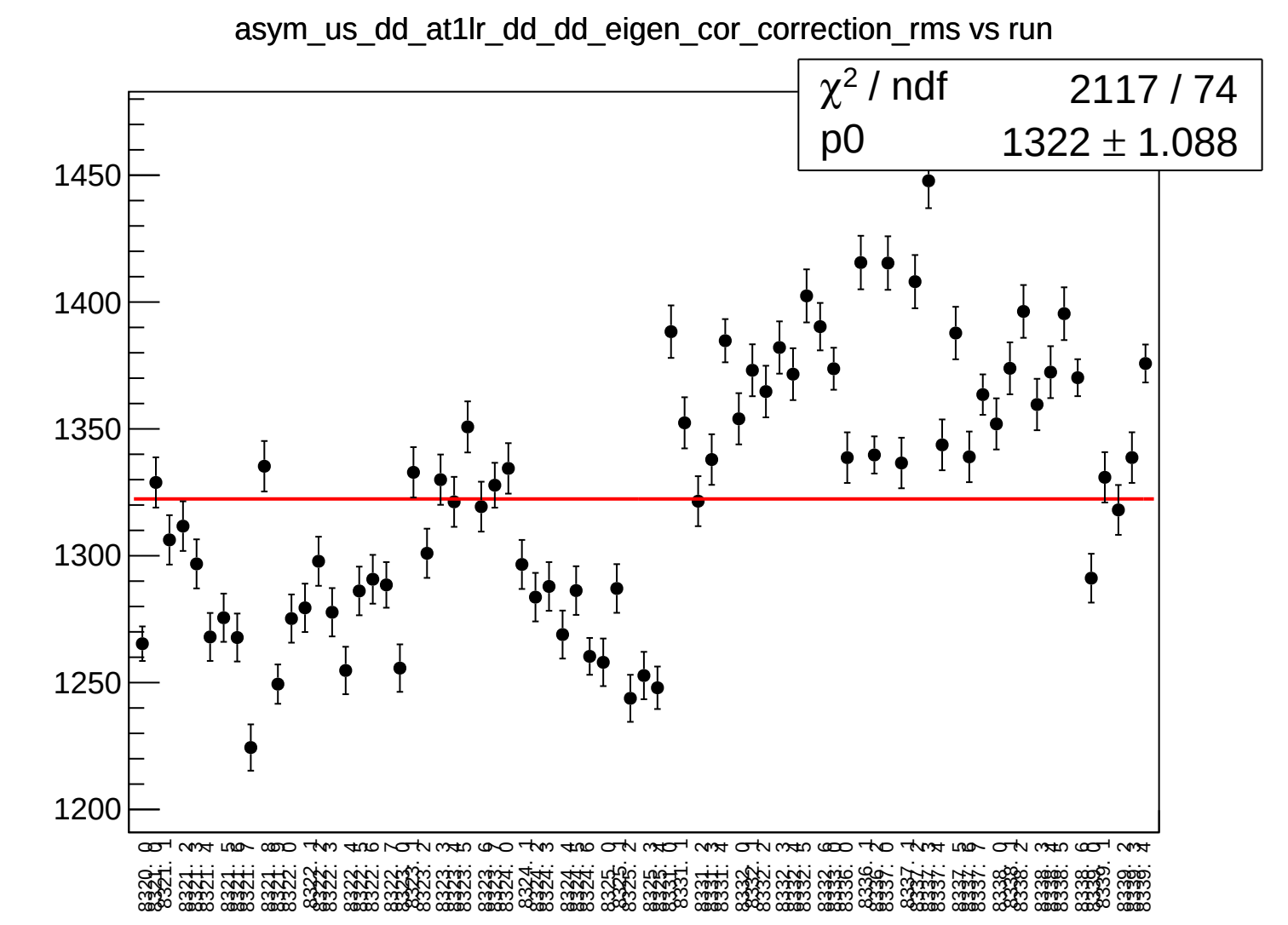

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 77.04 / 74
p0 646.3 ± 1994
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −870.2
Std Dev 0
2
1
0
−1
−2

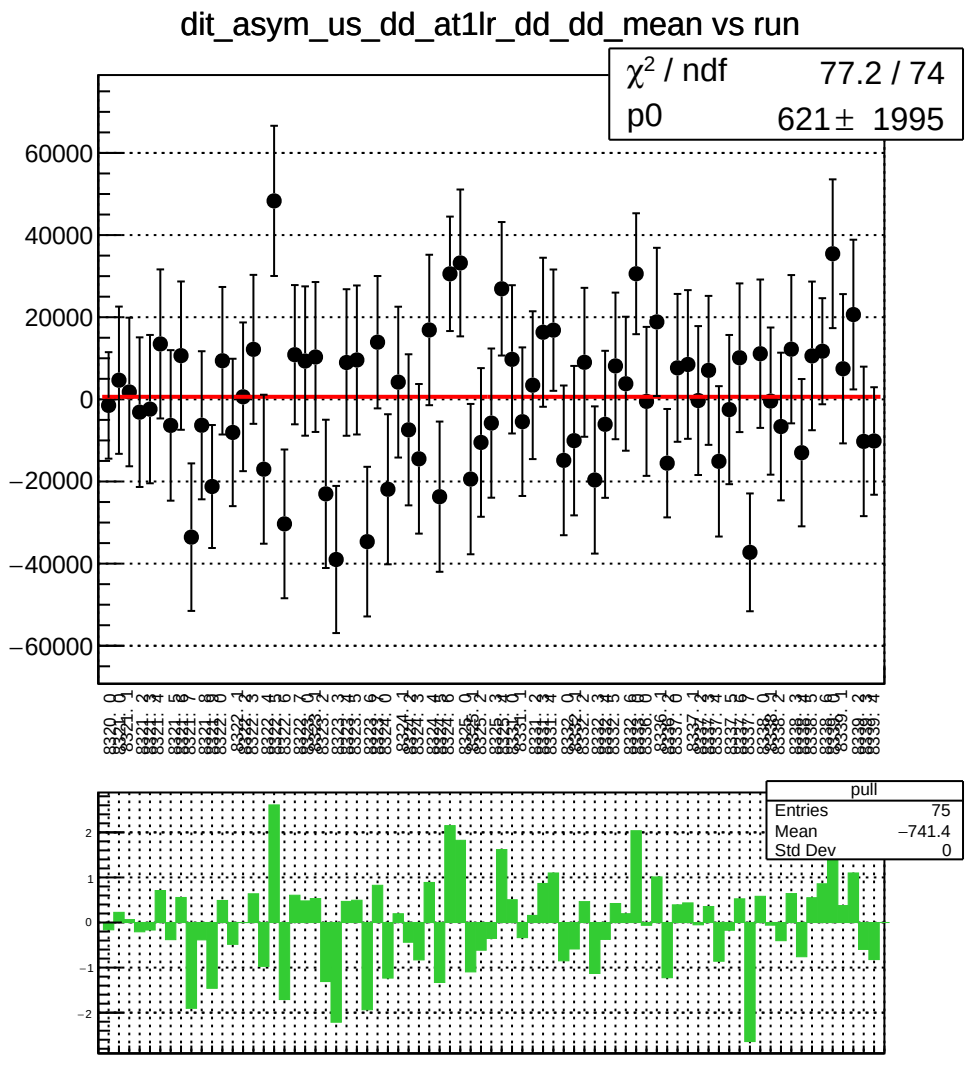

pull1D
Entries 75
Mean −0.002675
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

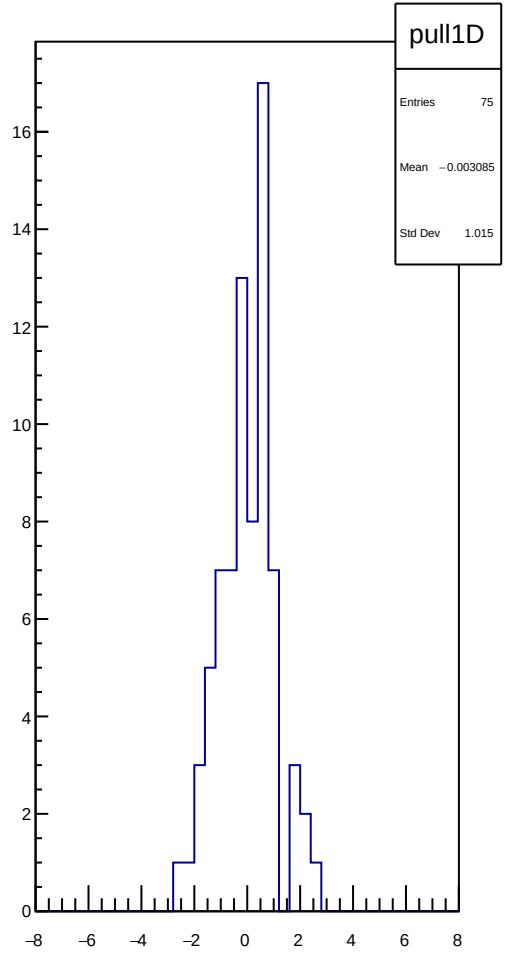

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 75.69 / 74
p0 1716 ± 1.41
1760
1750
1740
1730
1720
1710
1700
1690
1680
1670

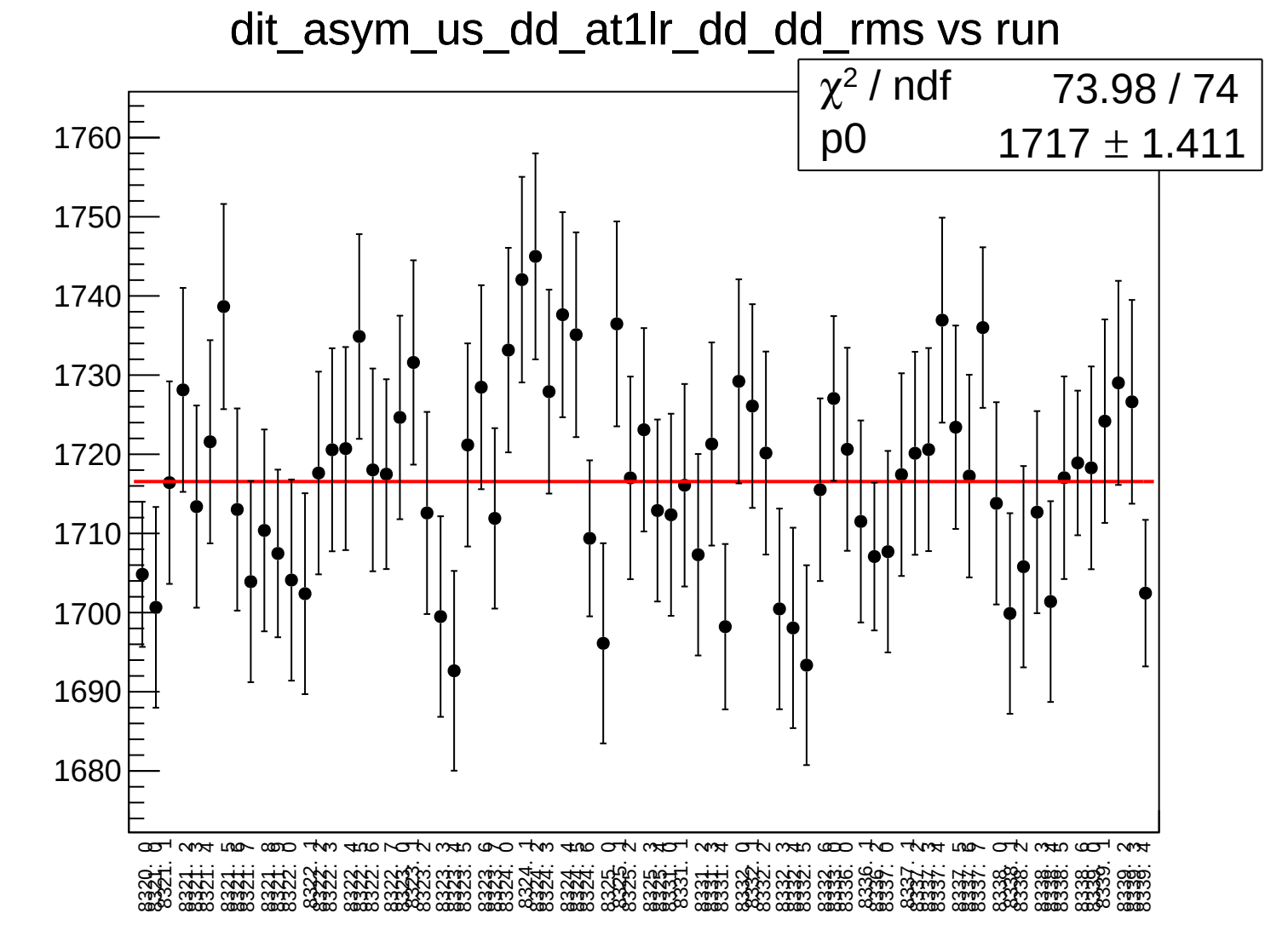

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.97 / 74
p0 −8691 ± 1538
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −10.8
Std Dev 0
2
1
0
−1
−2

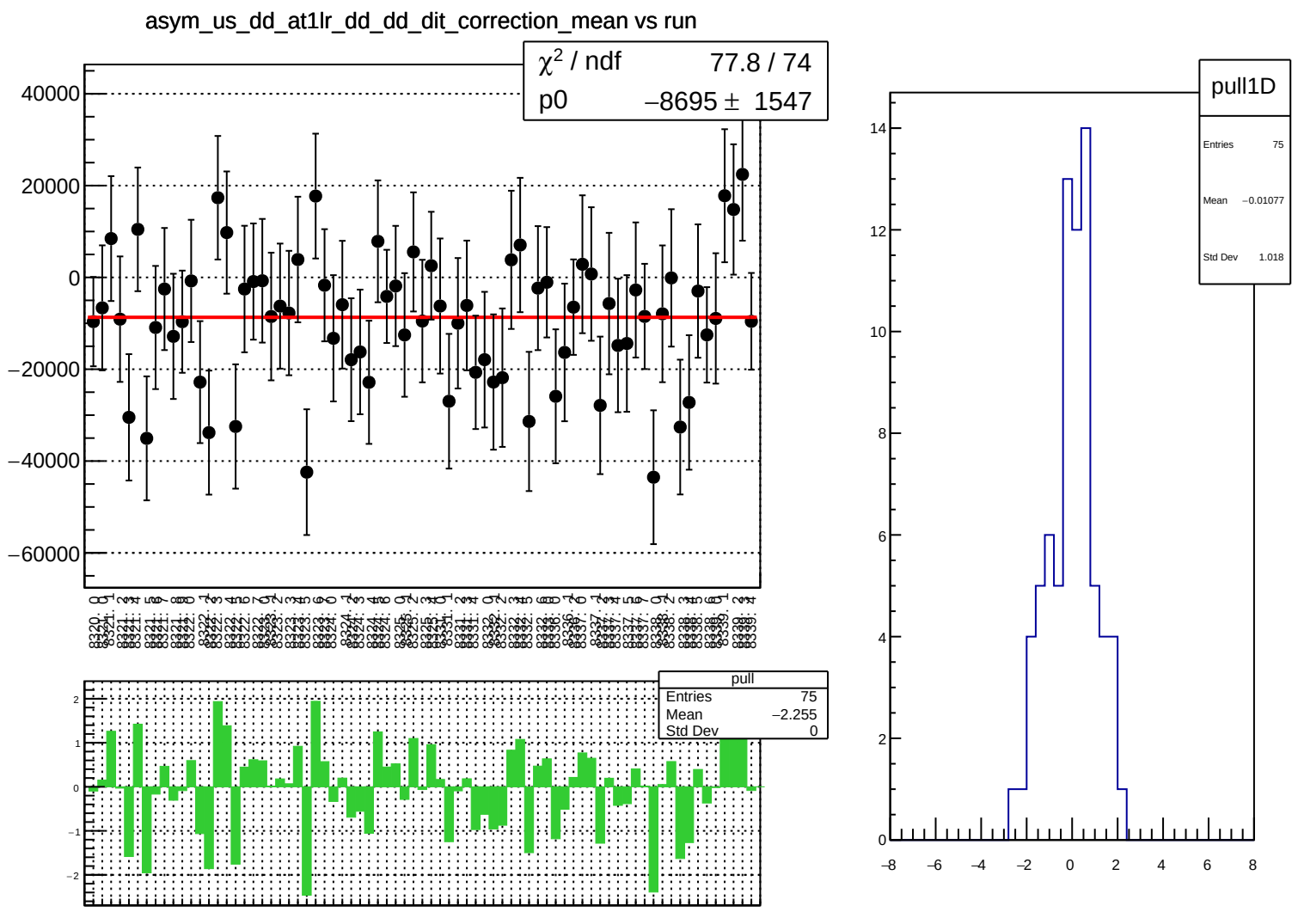

pull1D
Entries 75
Mean −0.009466
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

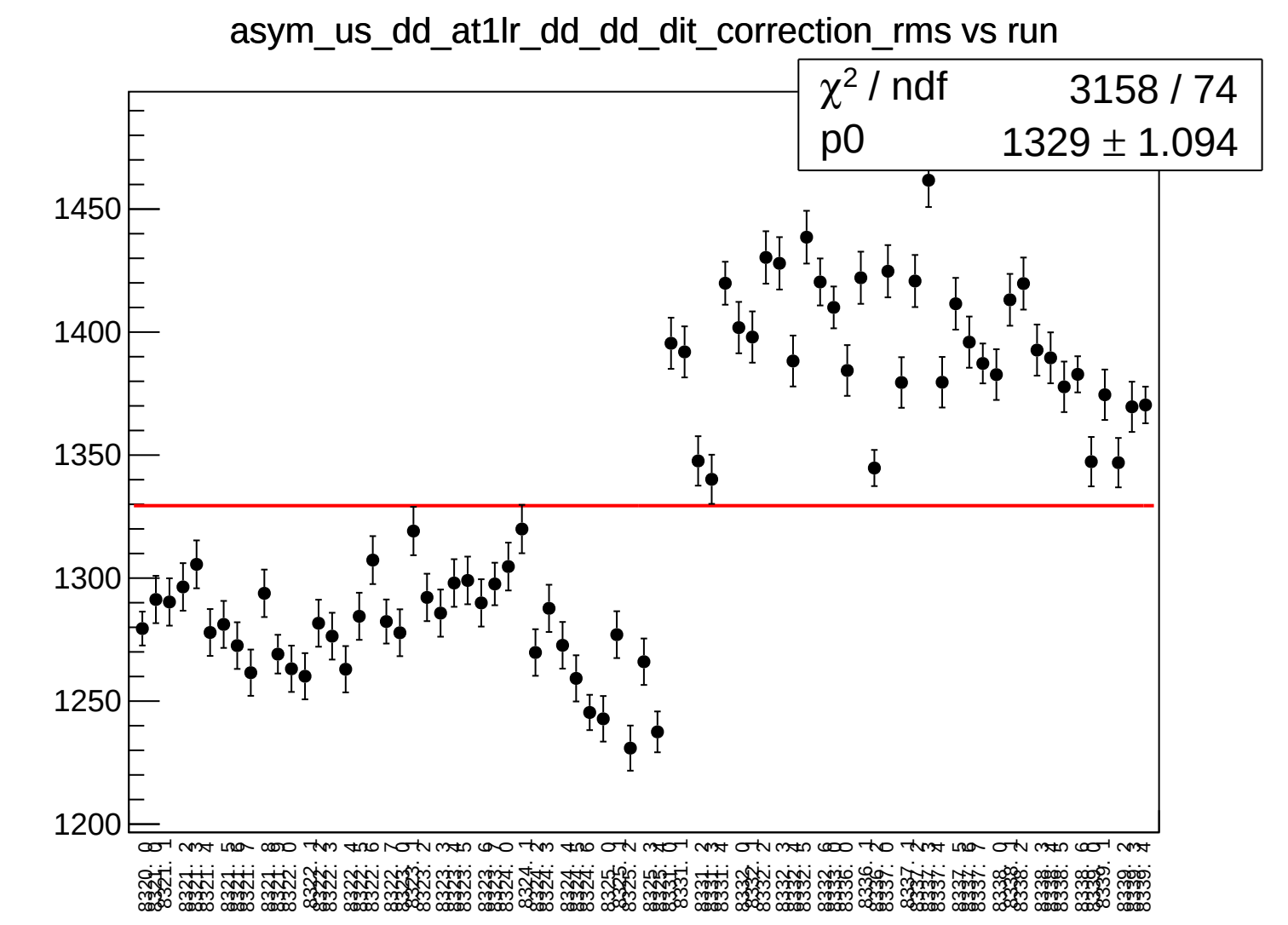

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2117 / 74
p0 1322 ± 1.088
1450
1400
1350
1300
1250
1200

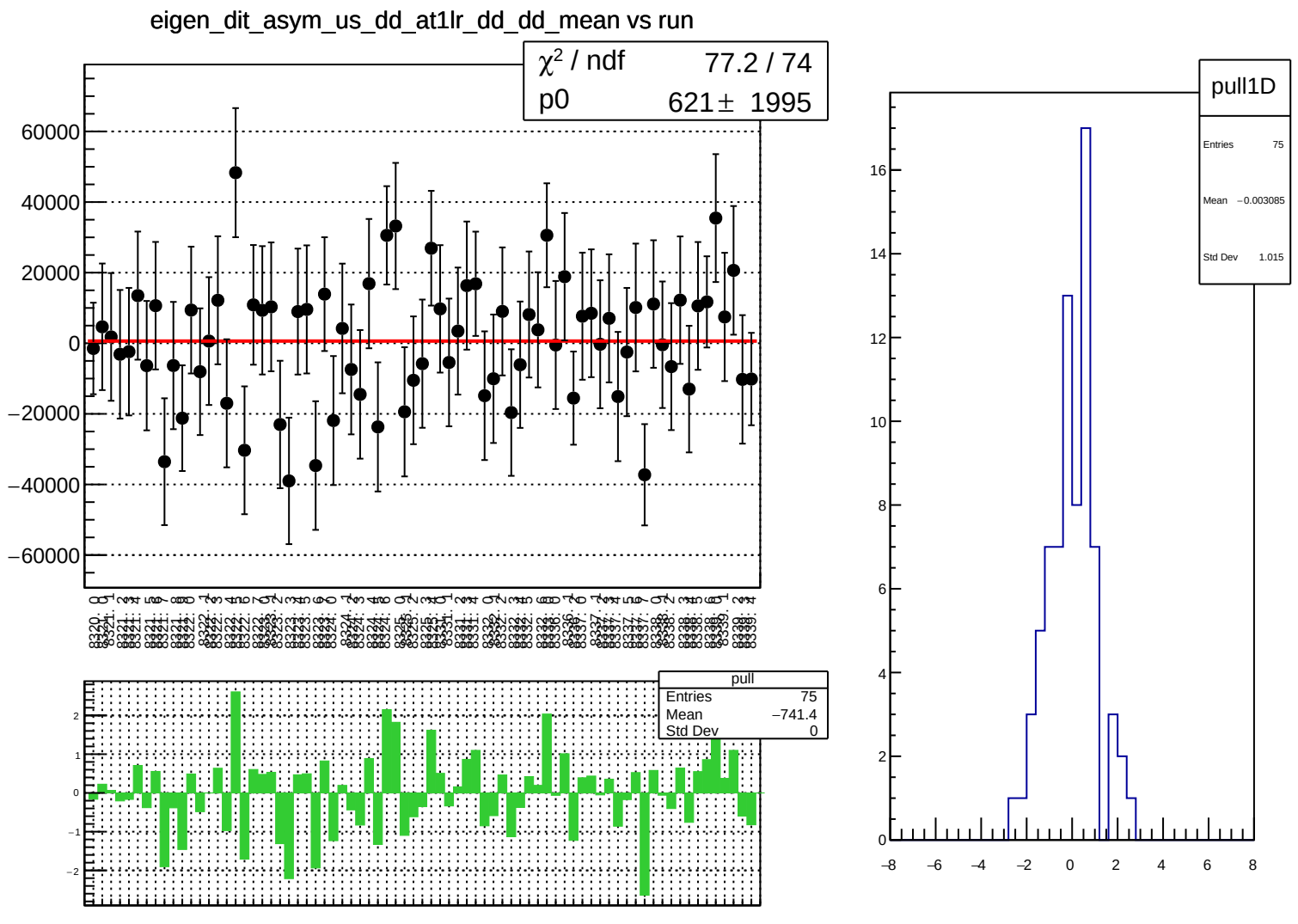

dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 77.2 / 74
p0 621 ± 1995
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −741.4
Std Dev 0
2
1
0
−1
−2

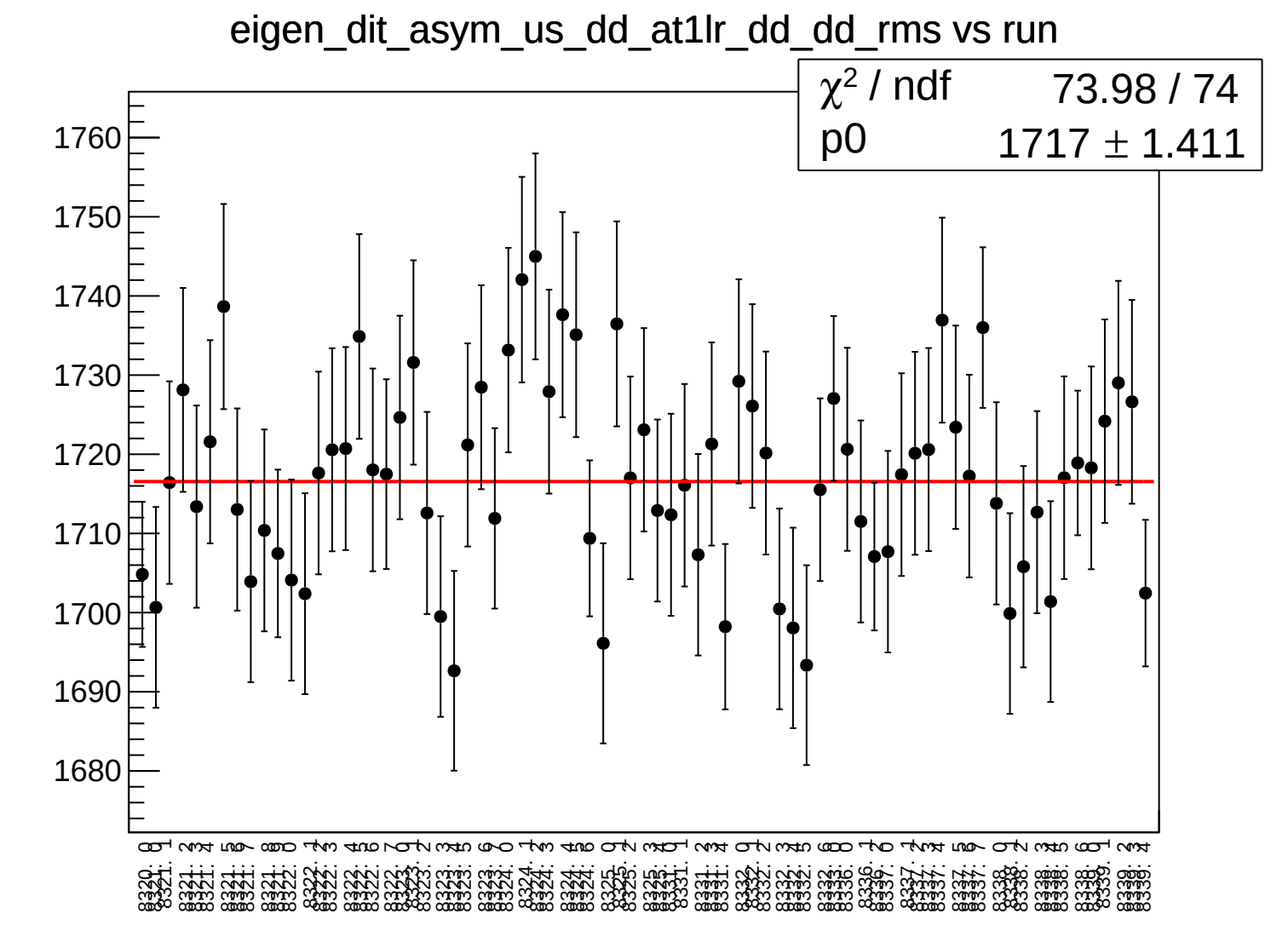

pull1D
Entries 75
Mean −0.003085
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

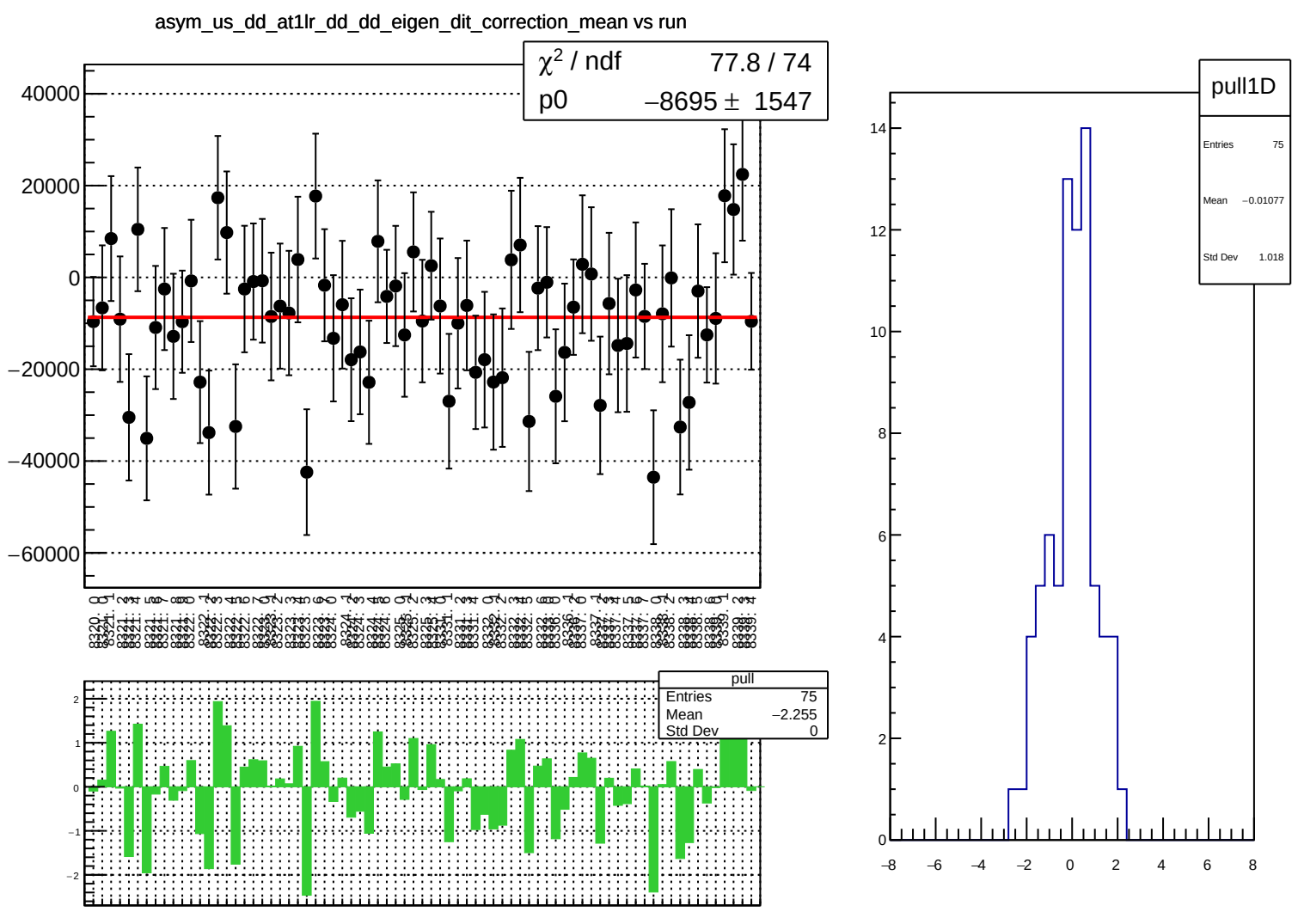

dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 73.98 / 74
p0 1717 ± 1.411
1760
1750
1740
1730
1720
1710
1700
1690
1680

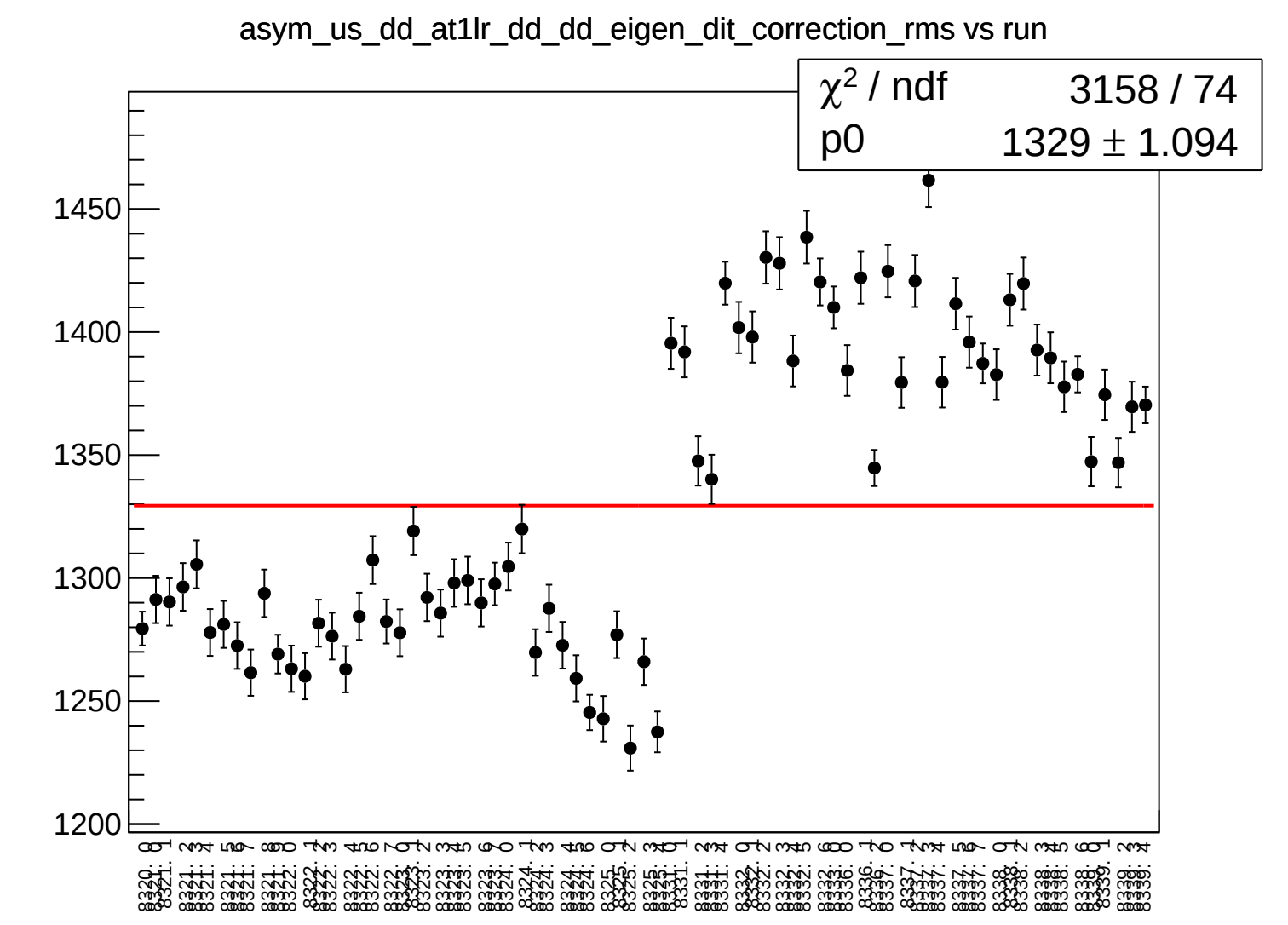

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 77.8 / 74
p0 −8695 ± 1547
pull
Entries 75
Mean −2.255
Std Dev 0
pull1D
Entries 75
Mean −0.01077
Std Dev 1.018

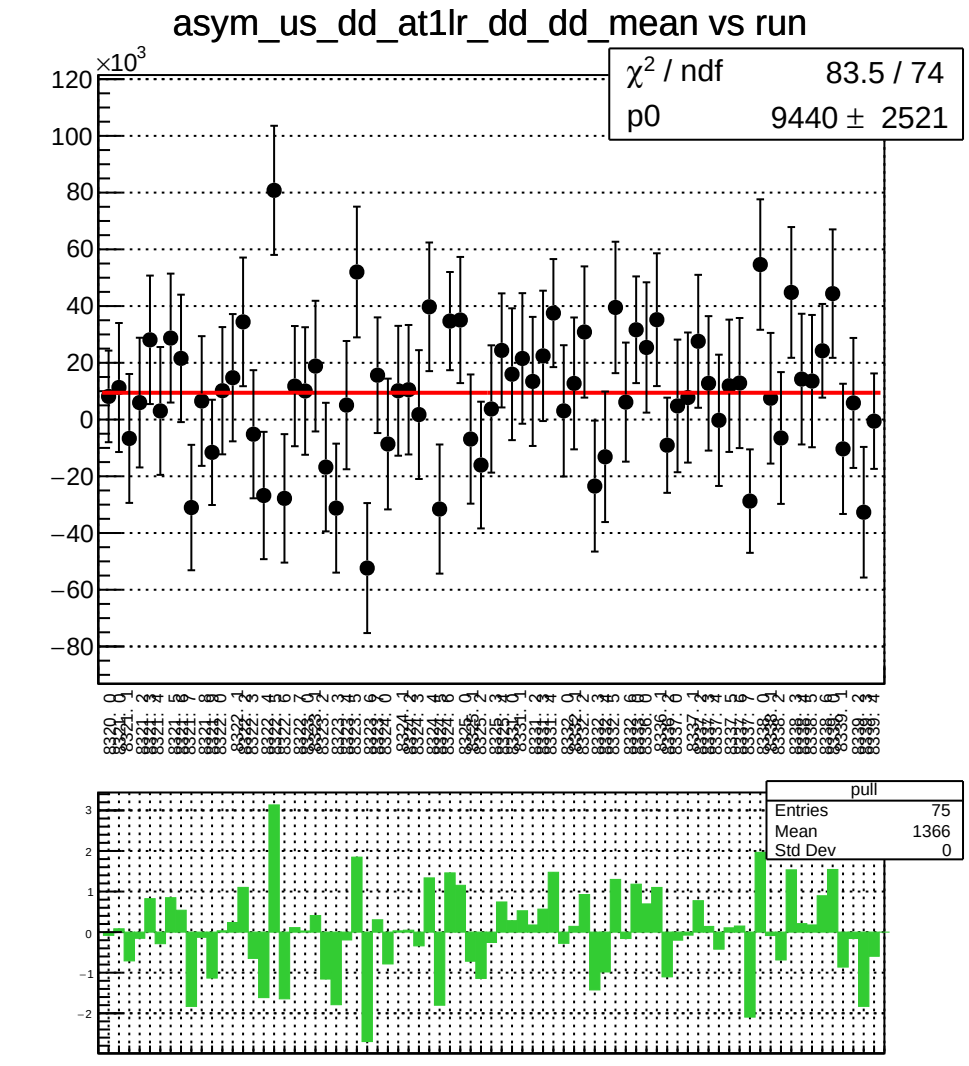

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3158 / 74
p0 1329 ± 1.094
1450
1400
1350
1300
1250
1200

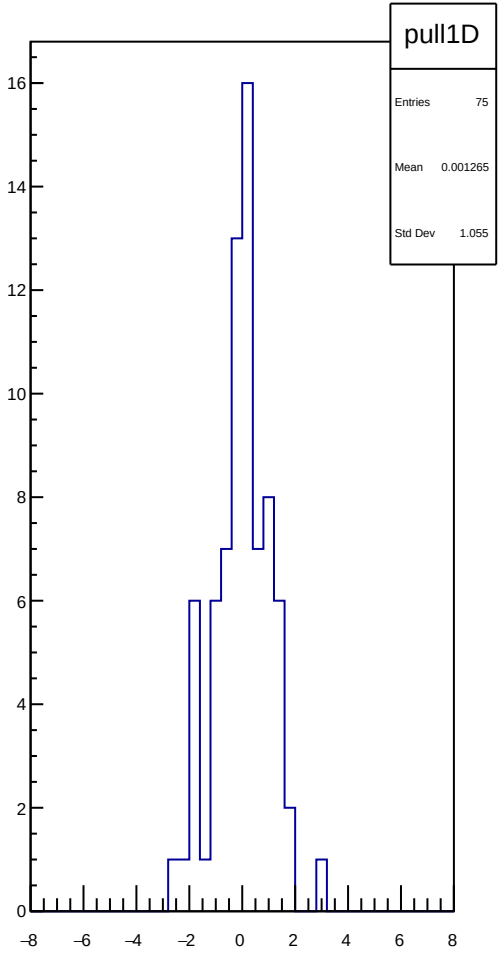

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 77.2 / 74
p0 621 ± 1995
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −741.4
Std Dev 0
pull1D
Entries 75
Mean −0.003085
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

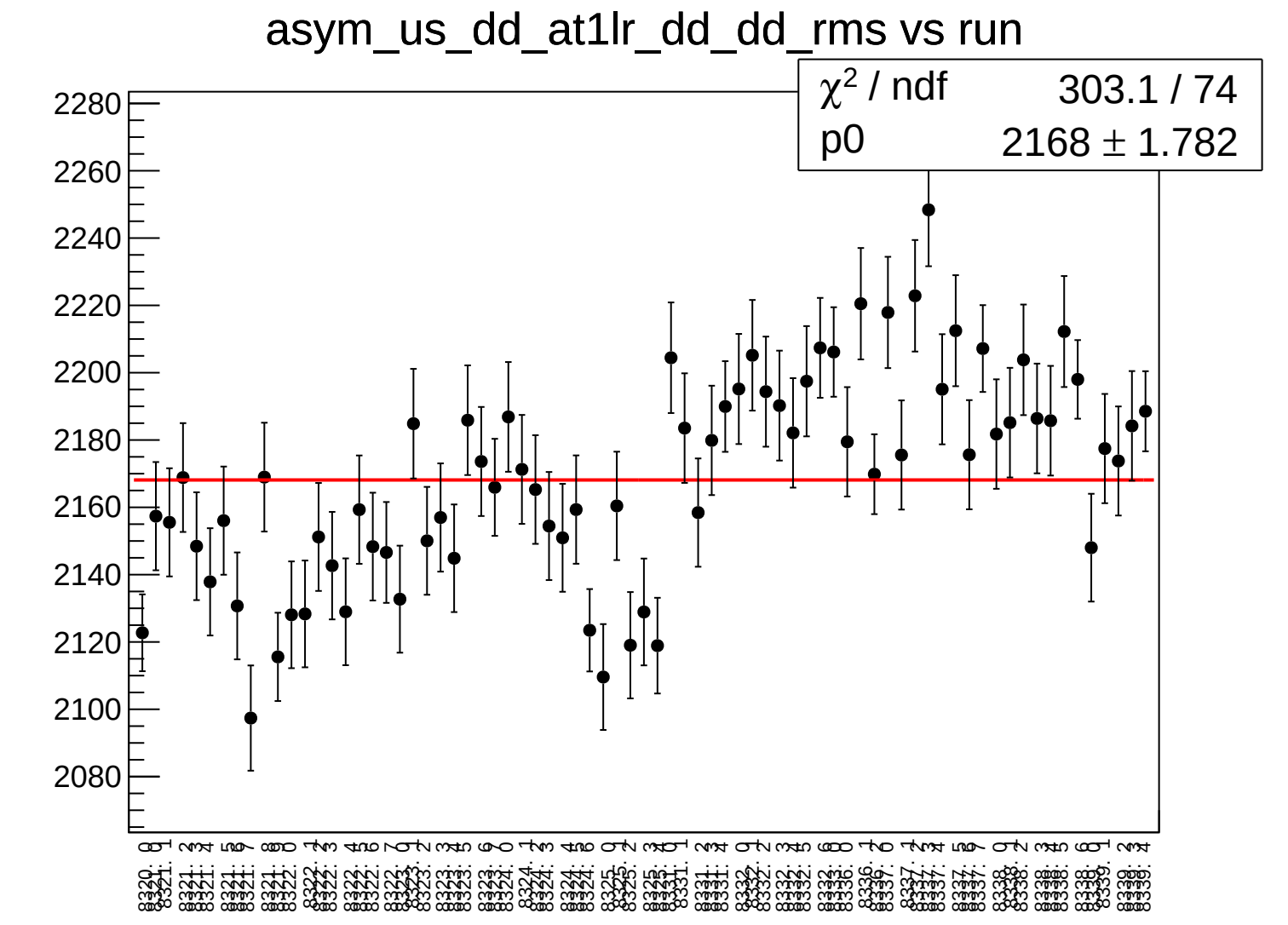

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 73.98 / 74
p0 1717 ± 1.411
1760
1750
1740
1730
1720
1710
1700
1690
1680

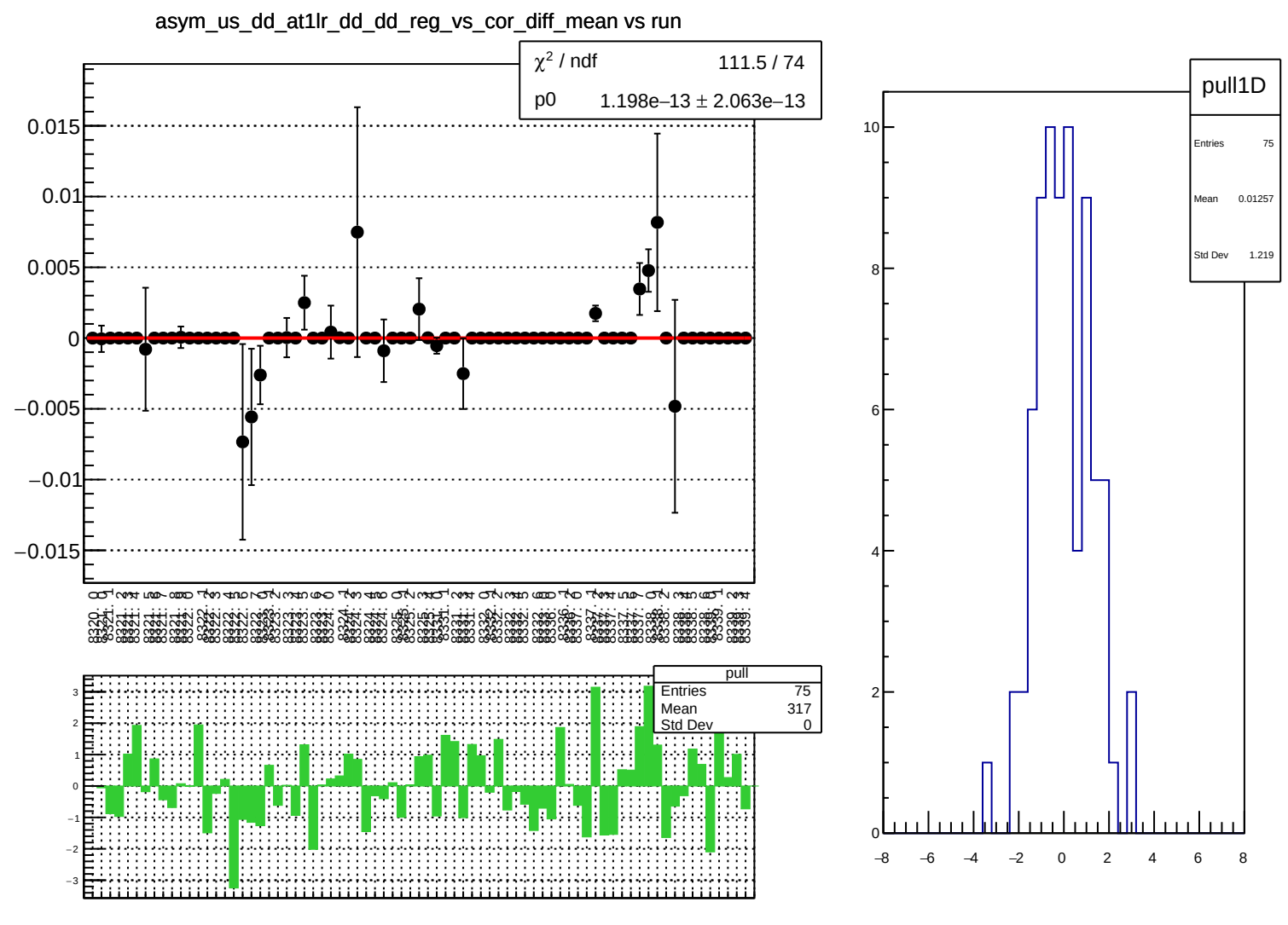

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.8 / 74
p0 −8695 ± 1547
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −2.255
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.01077
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

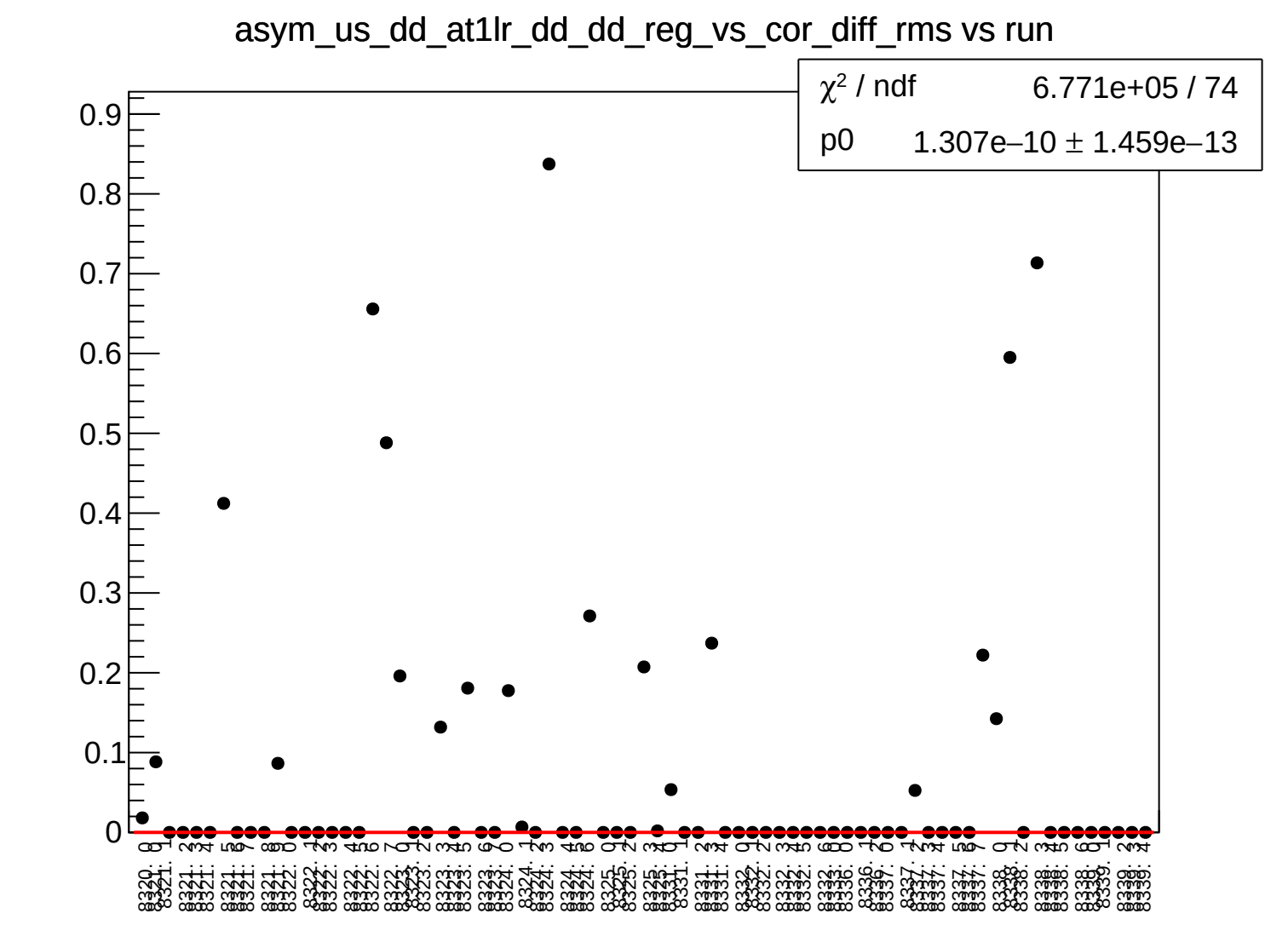

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3158 / 74
p0 1329 ± 1.094
1450
1400
1350
1300
1250
1200

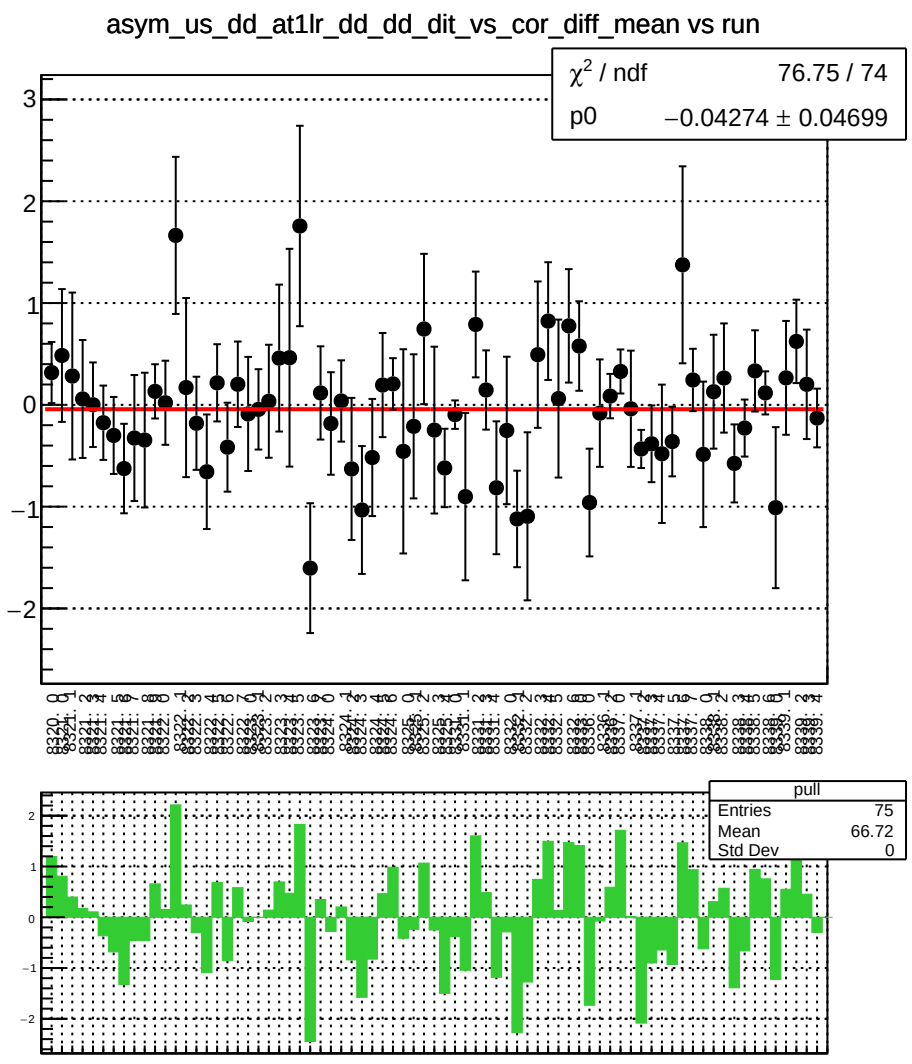

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 83.5 / 74
p0 9440 ± 2521
pull
Entries 75
Mean 1366
Std Dev 0

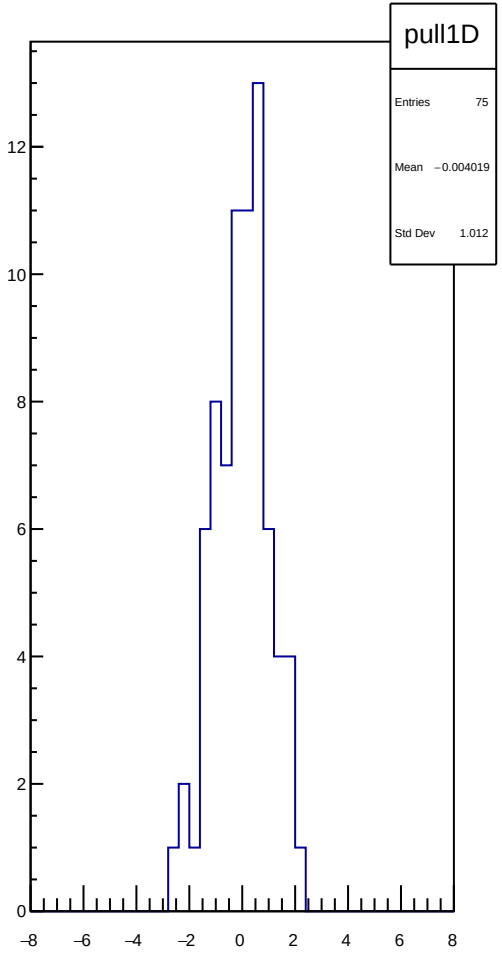

pull1D
Entries 75
Mean 0.001265
Std Dev 1.055

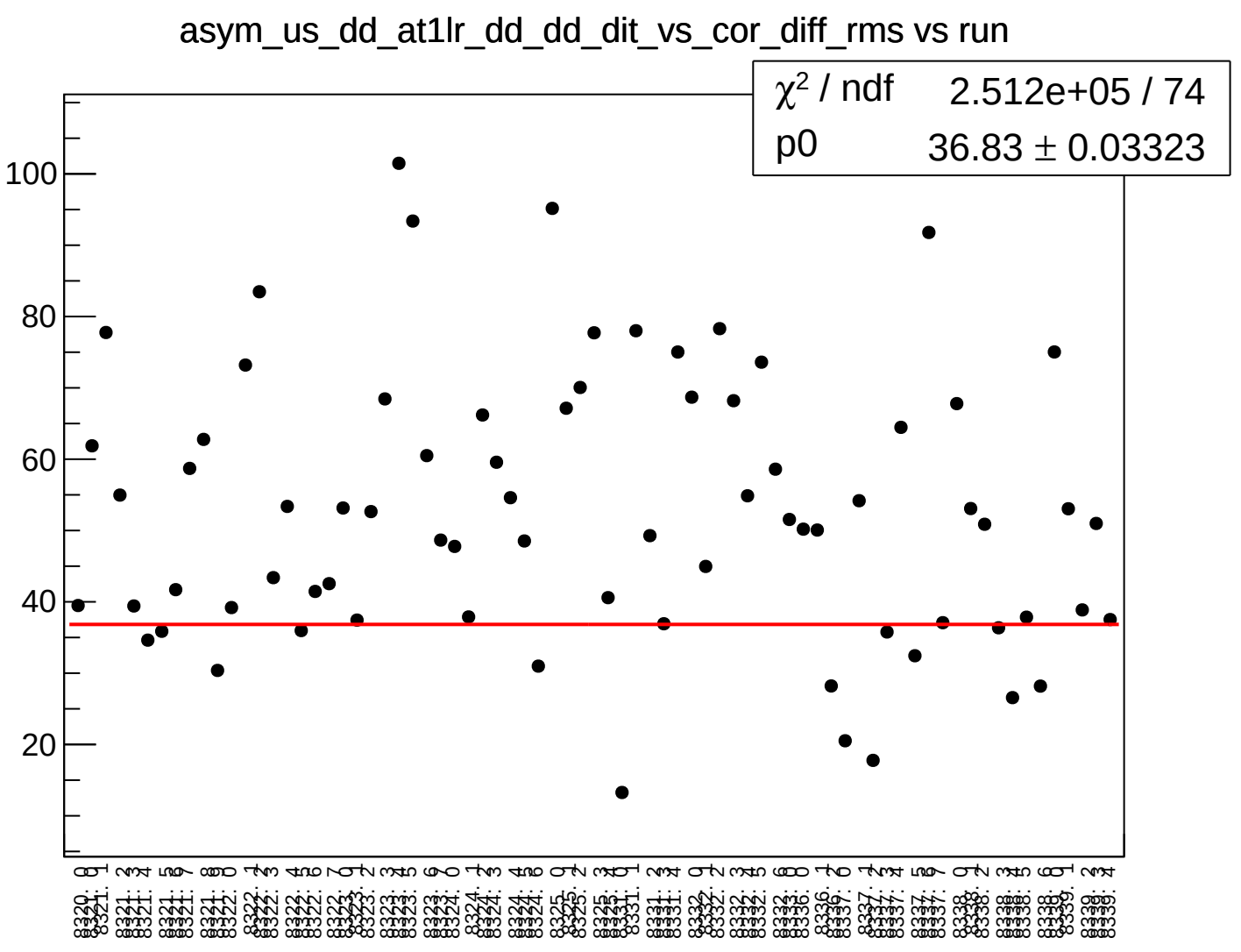

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 303.1 / 74
p0 2168 ± 1.782
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080

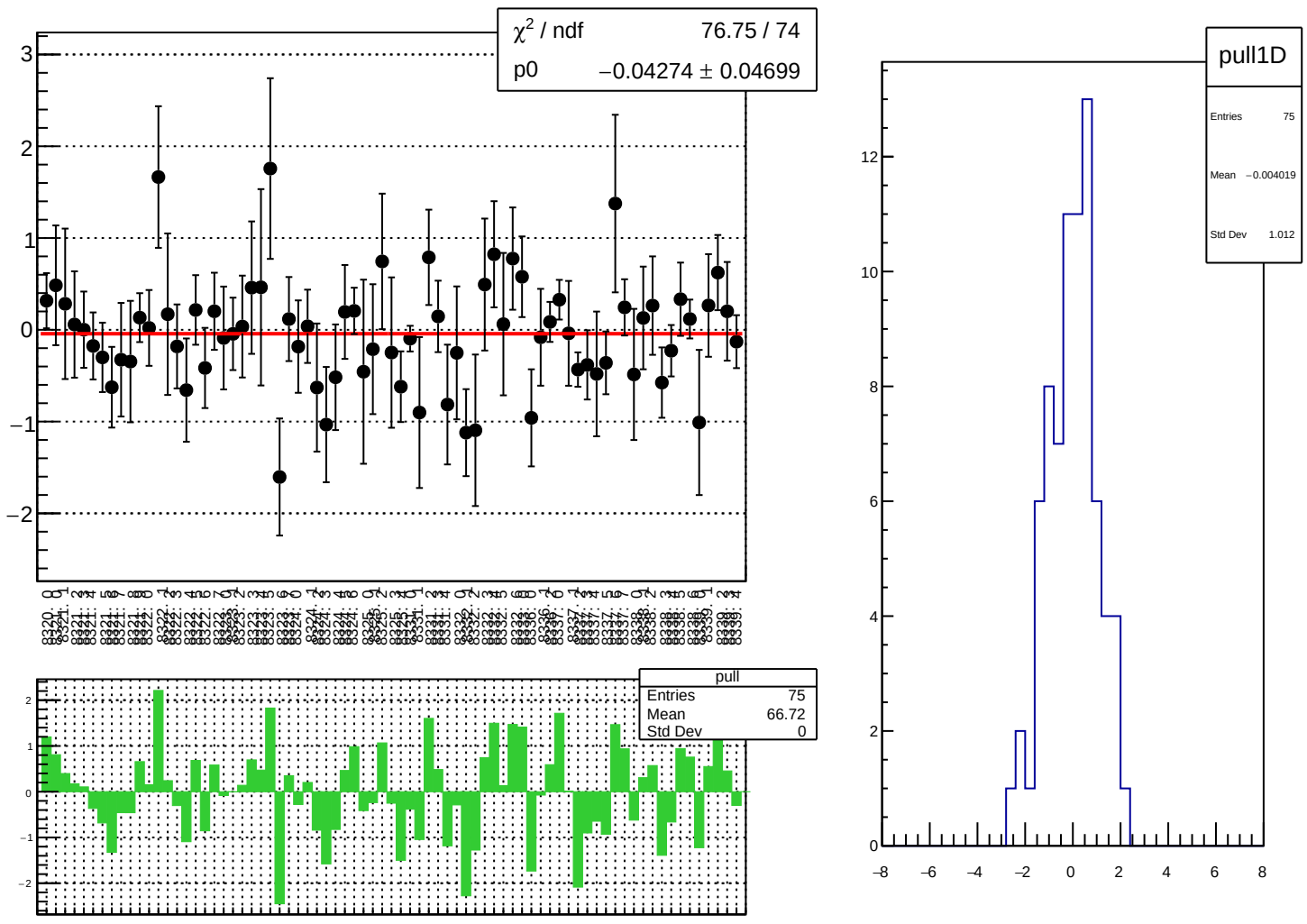

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 111.5 / 74
p0 1.198e−13 ± 2.063e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 75
Mean 317
Std Dev 0
pull1D
Entries 75
Mean 0.01257
Std Dev 1.219
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

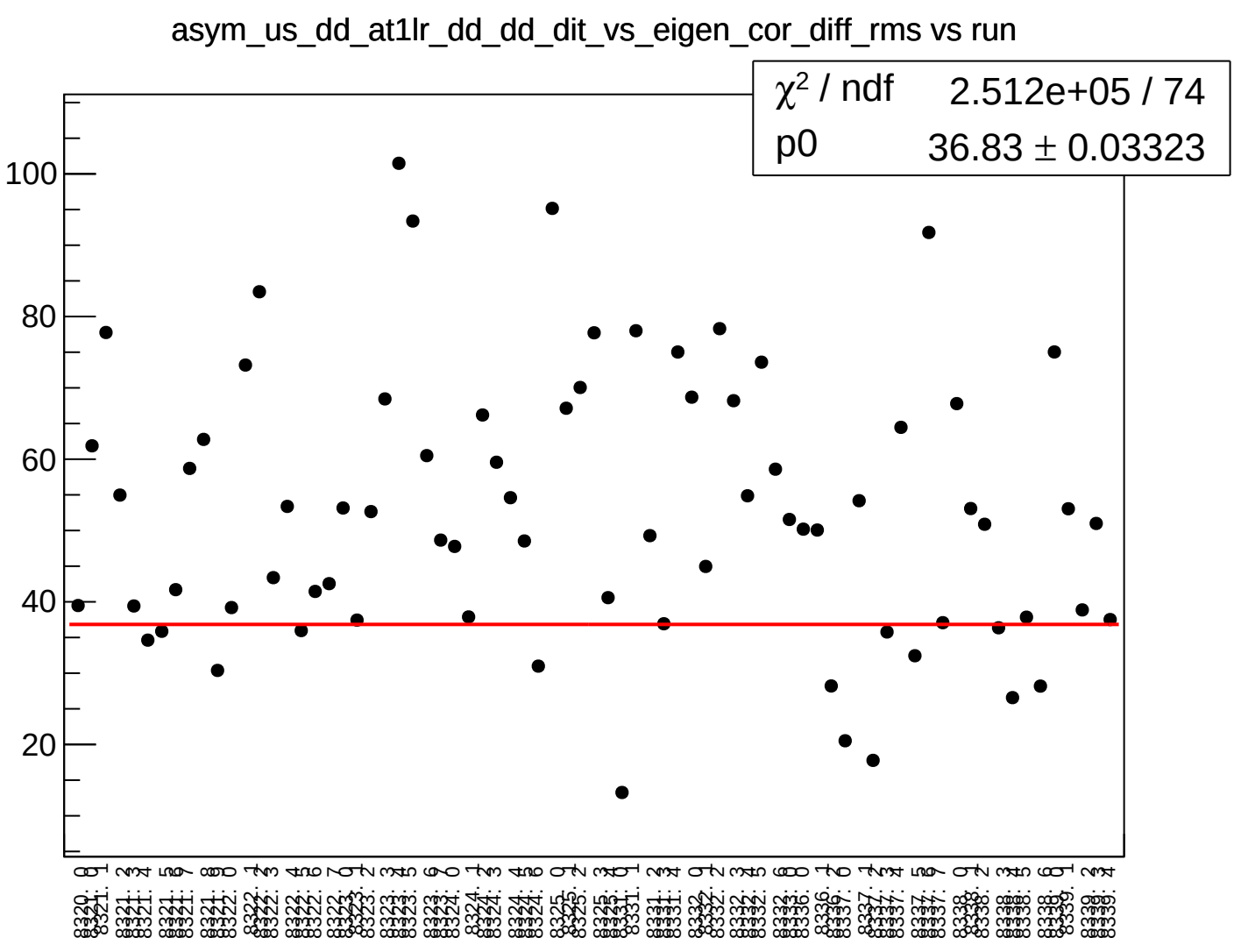

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.771e+05 / 74
p0 1.307e−10 ± 1.459e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

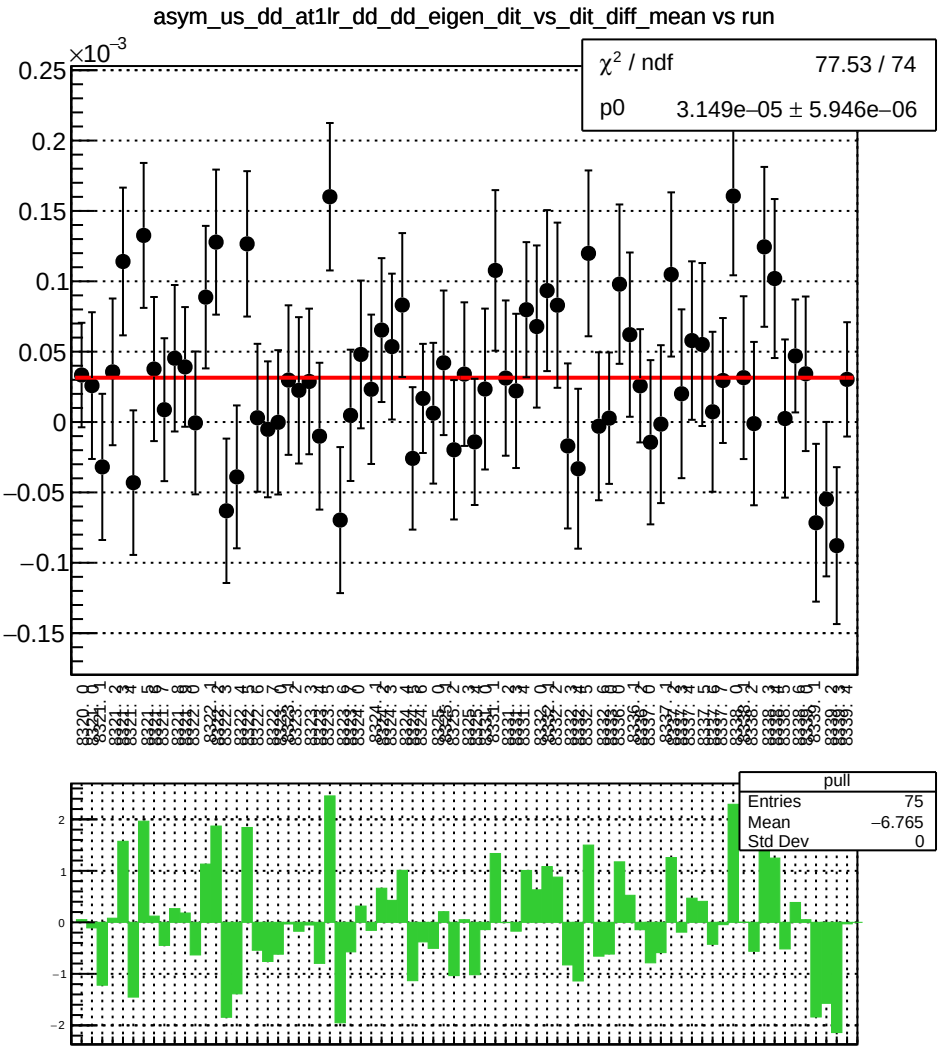

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.75 / 74
p0 −0.04274 ± 0.04699
pull
Entries 75
Mean 66.72
Std Dev 0

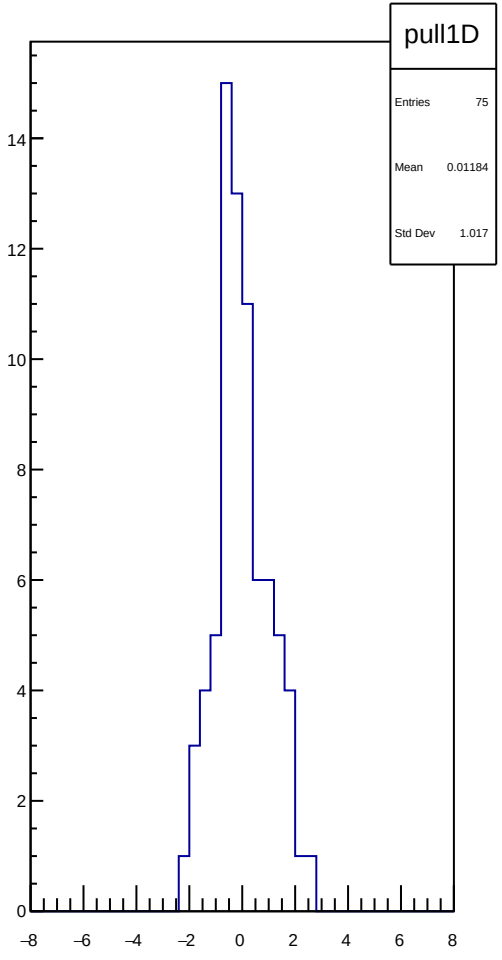

pull1D
Entries 75
Mean −0.004019
Std Dev 1.012

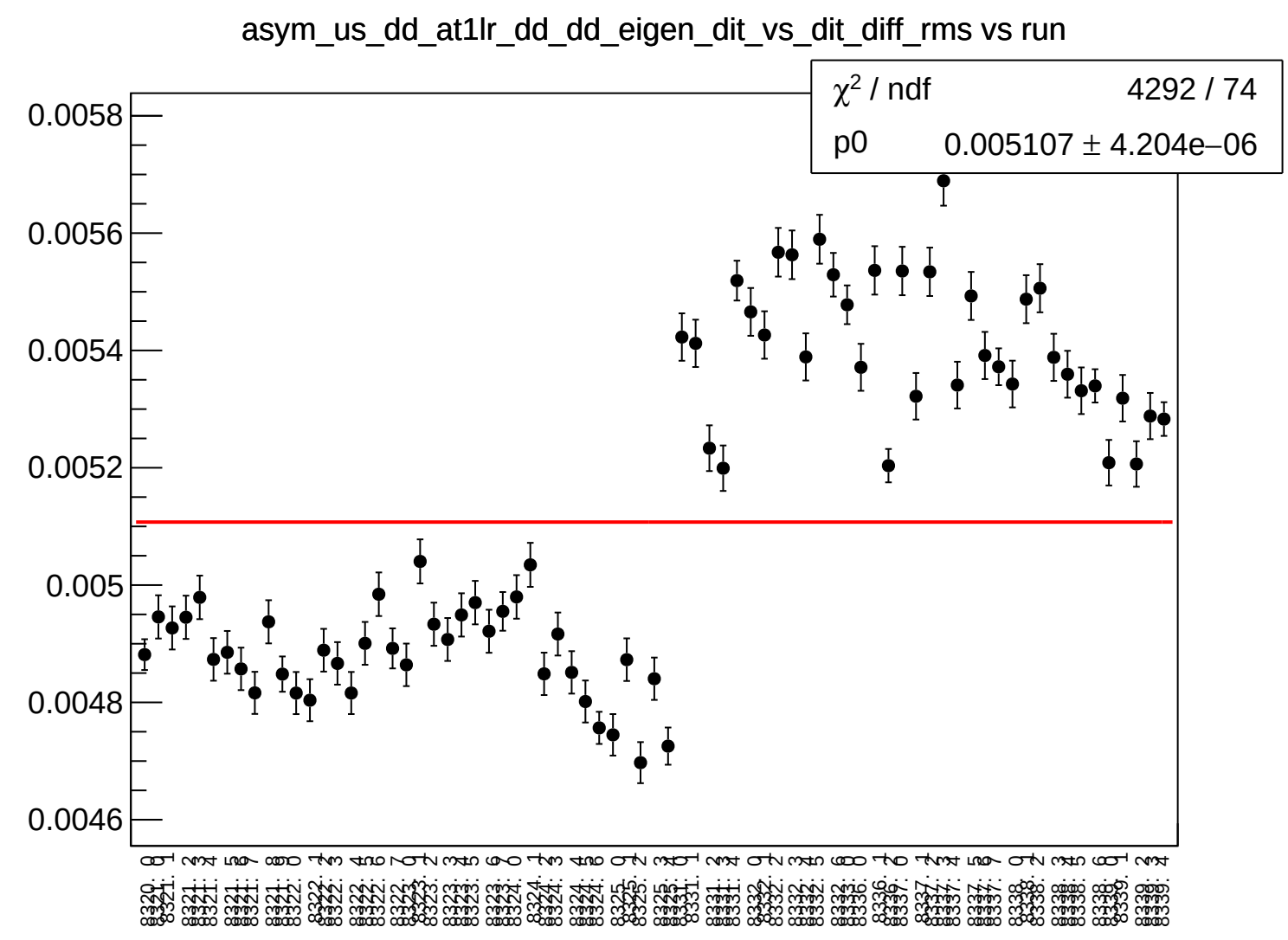

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.512e+05 / 74
p0 36.83 ± 0.03323
100
80
60
40
20

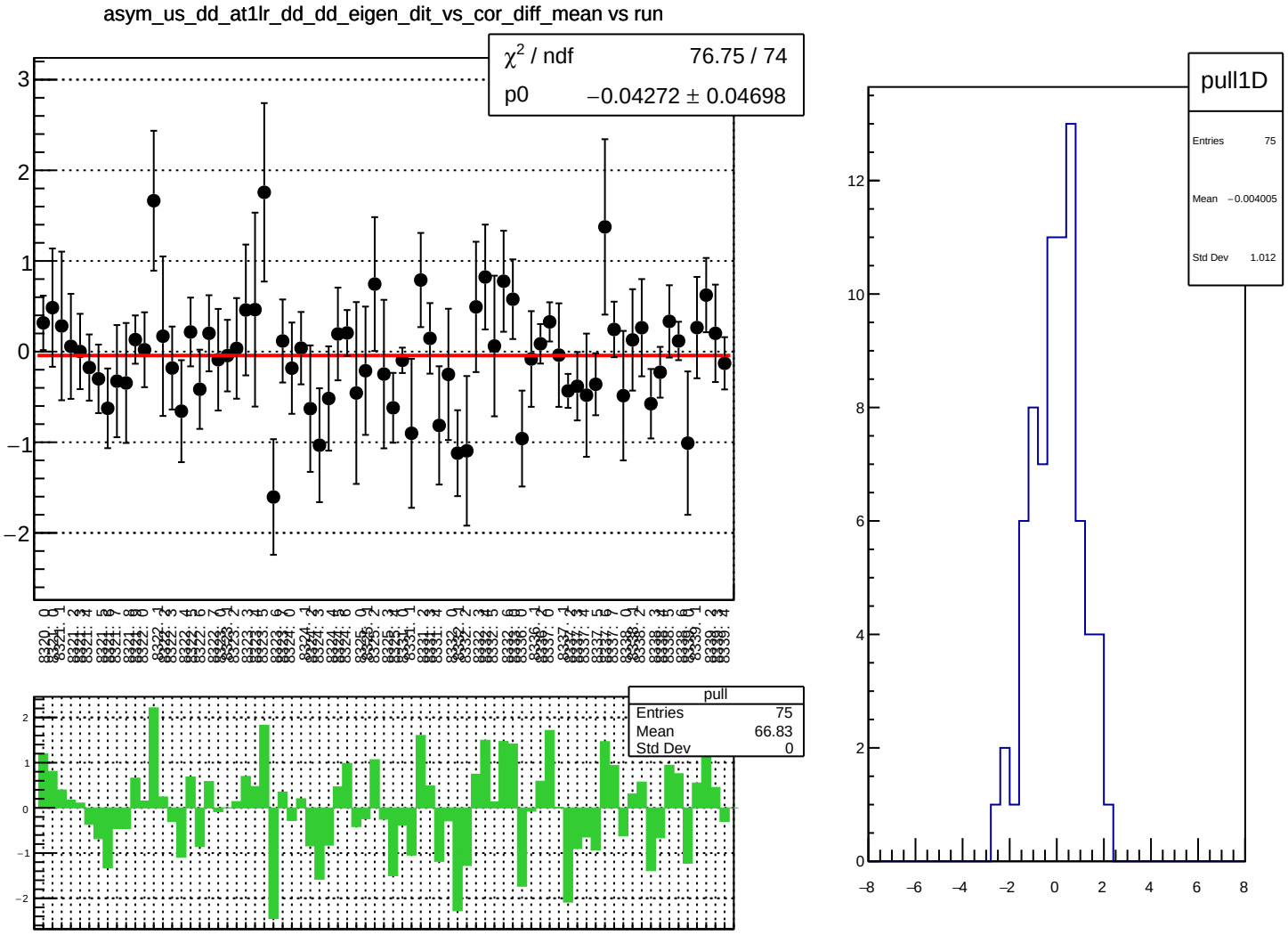

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.75 / 74
p0 −0.04274 ± 0.04699
pull
Entries 75
Mean 66.72
Std Dev 0
pull1D
Entries 75
Mean −0.004019
Std Dev 1.012

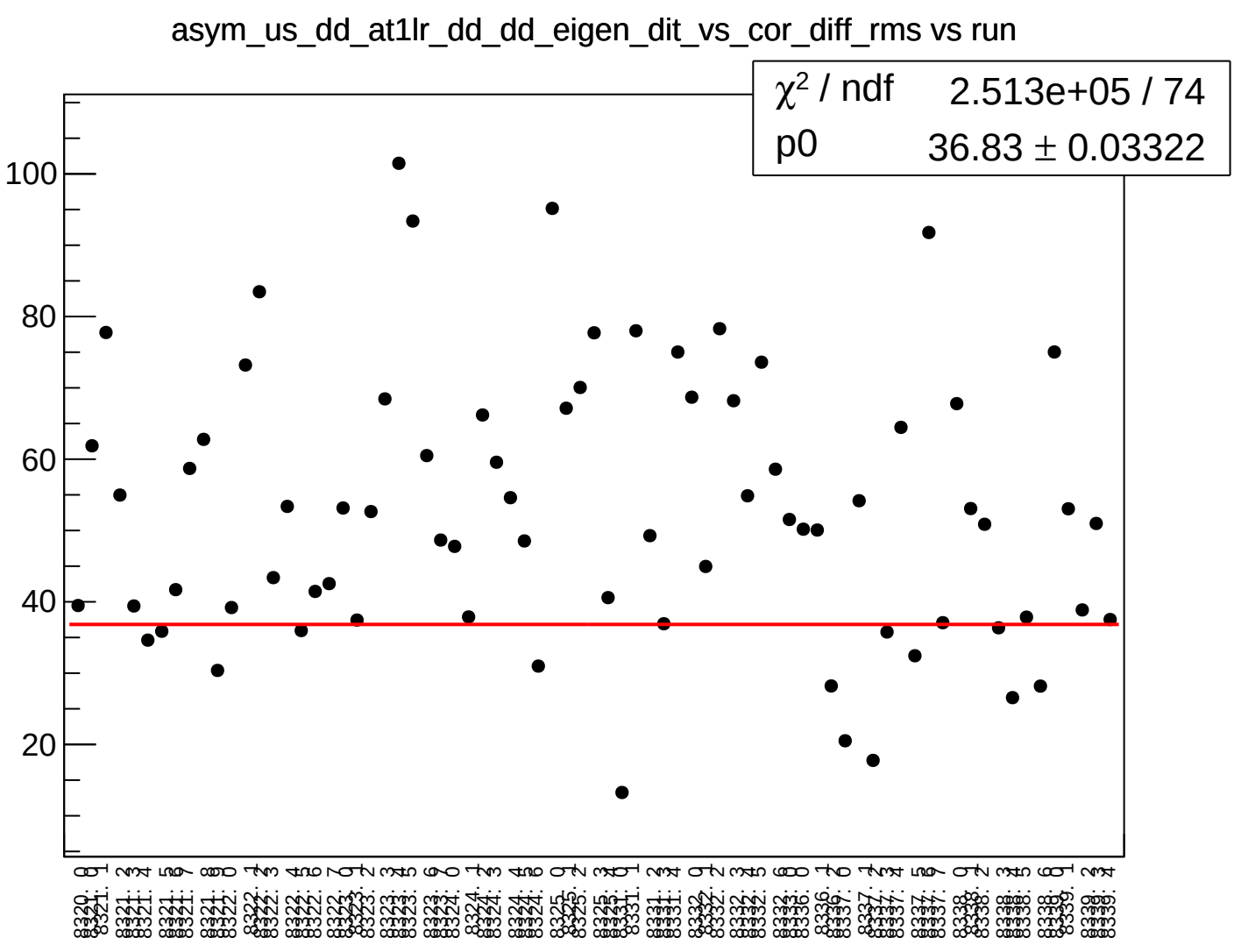

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.512e+05 / 74
p0 36.83 ± 0.03323
100
80
60
40
20

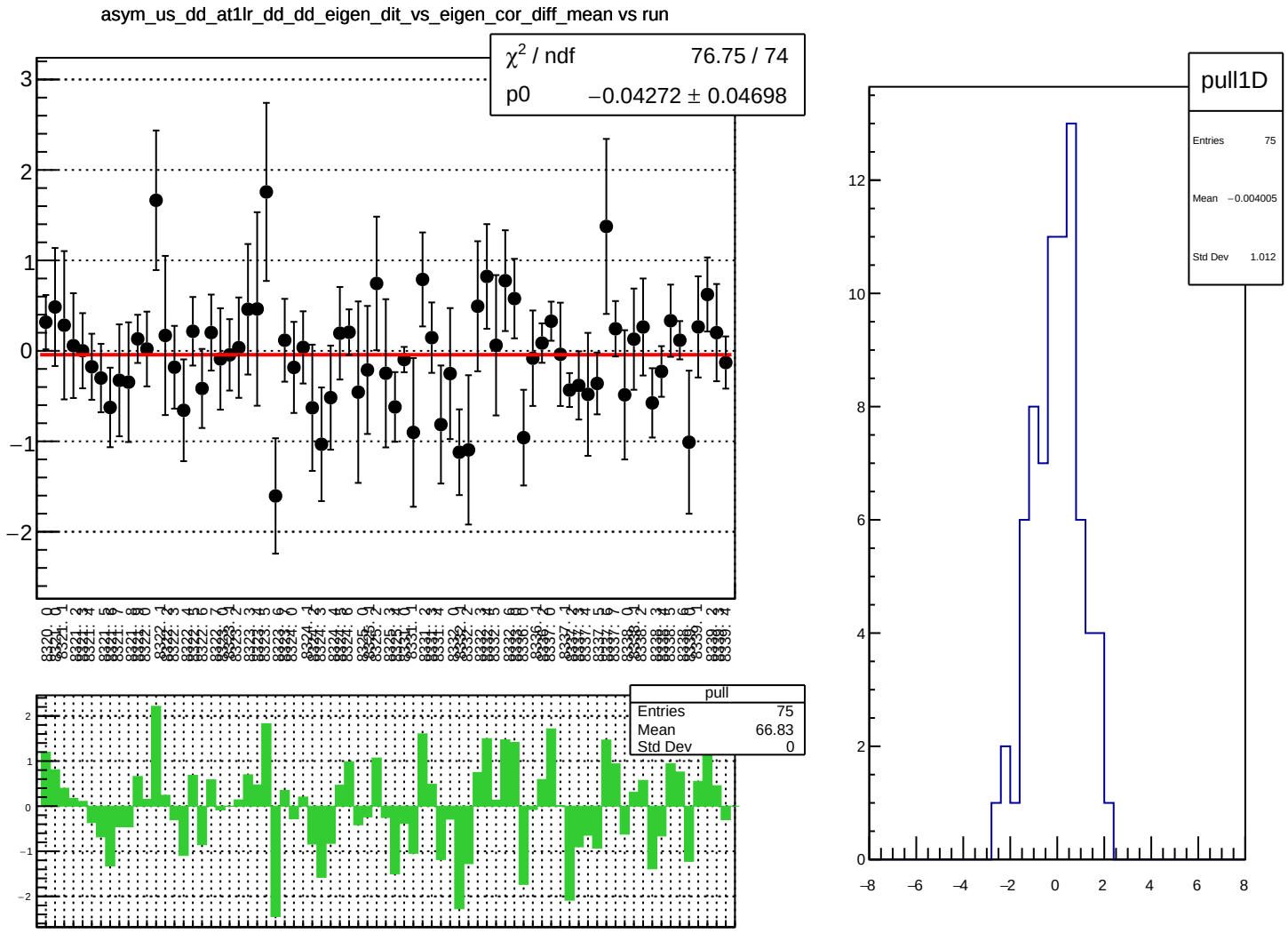

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 77.53 / 74
p0 3.149e−05 ± 5.946e−06
pull
Entries 75
Mean −6.765
Std Dev 0

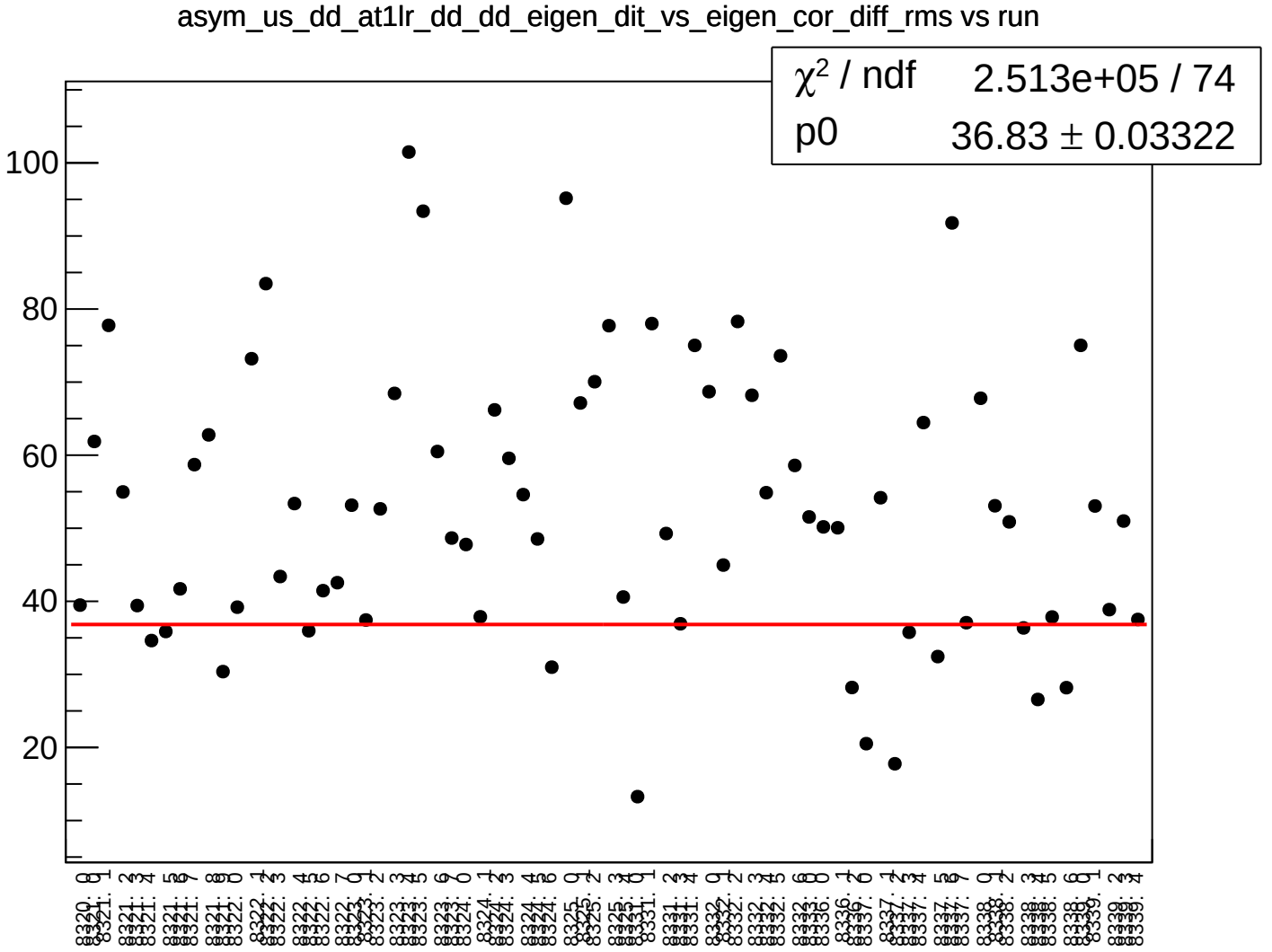

pull1D
Entries 75
Mean 0.01184
Std Dev 1.017

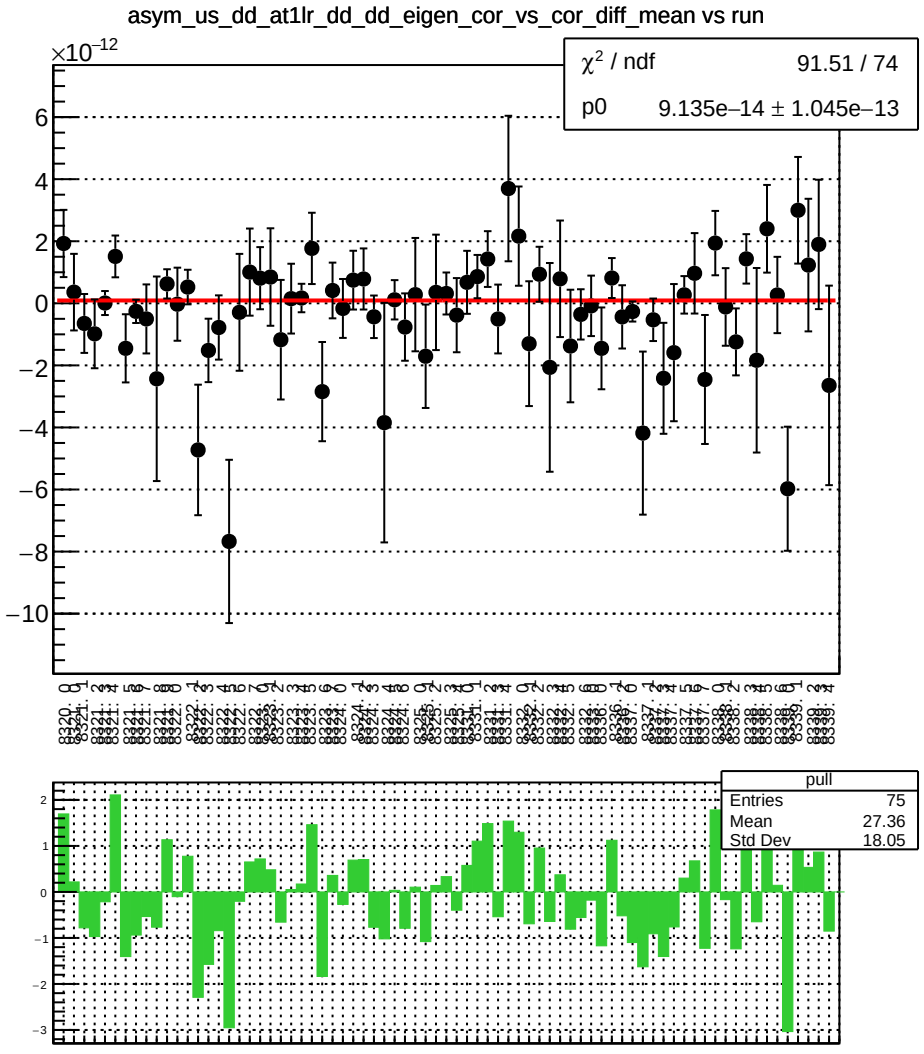

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4292 / 74
p0 0.005107 ± 4.204e−06
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046

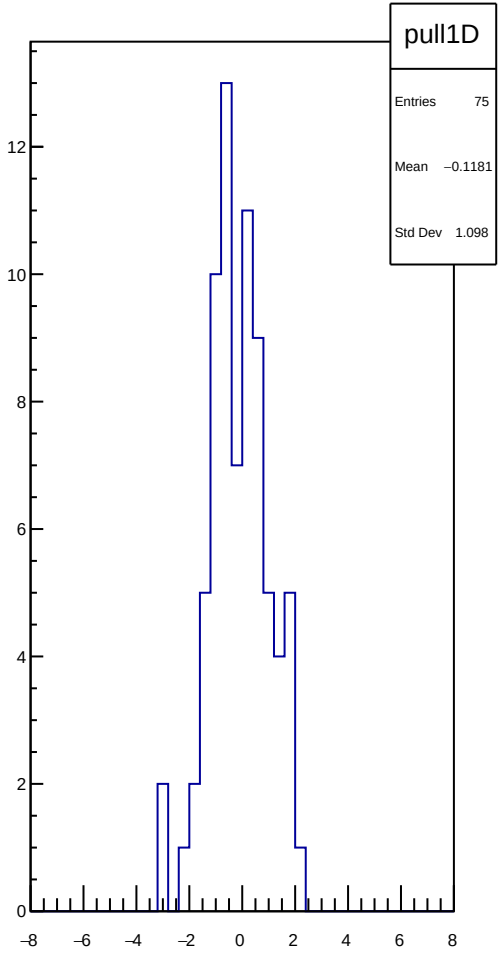

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.75 / 74
p0 −0.04272 ± 0.04698
pull
Entries 75
Mean 66.83
Std Dev 0
pull1D
Entries 75
Mean −0.004005
Std Dev 1.012

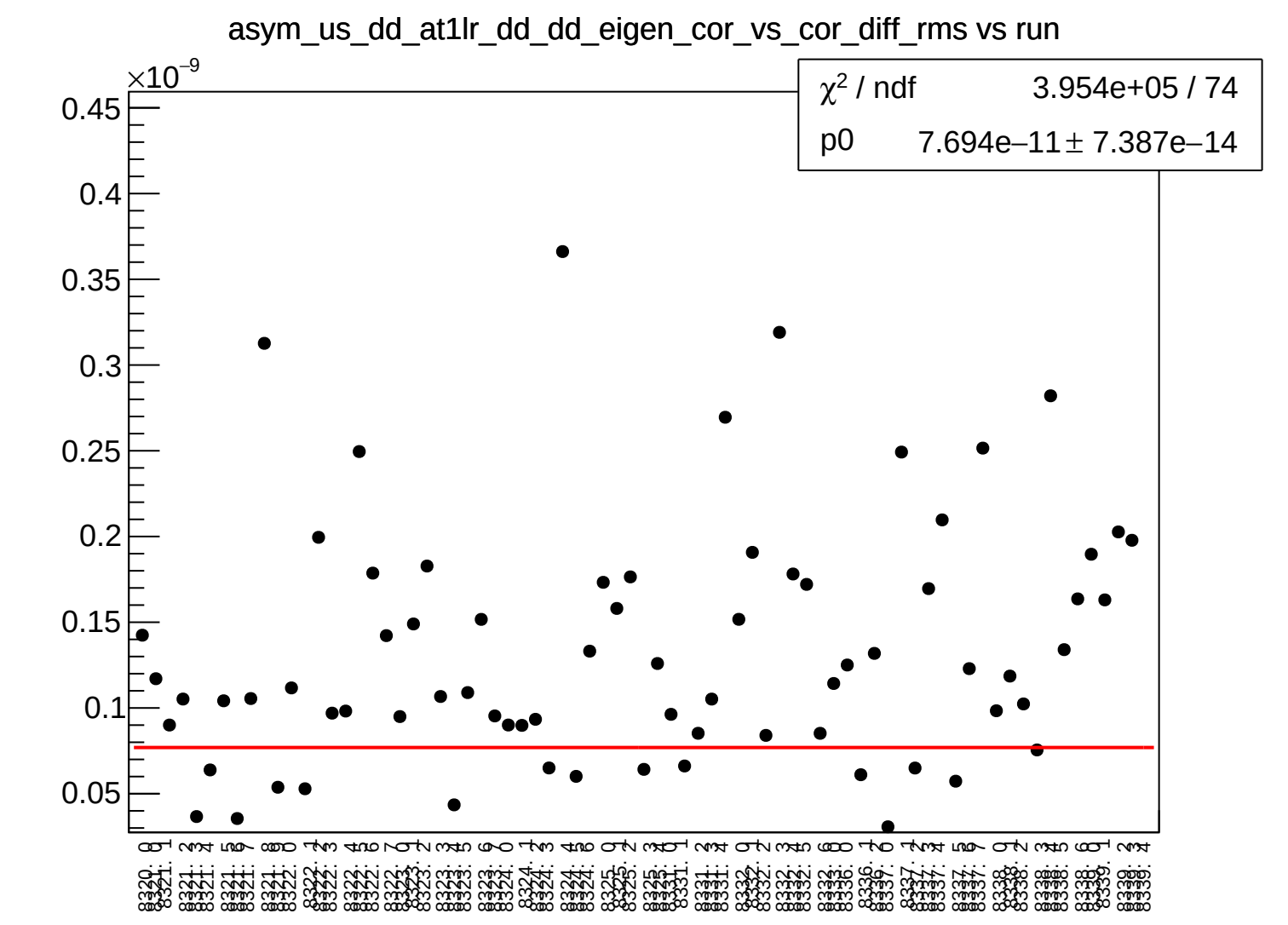

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.513e+05 / 74
p0 36.83 ± 0.03322
100
80
60
40
20

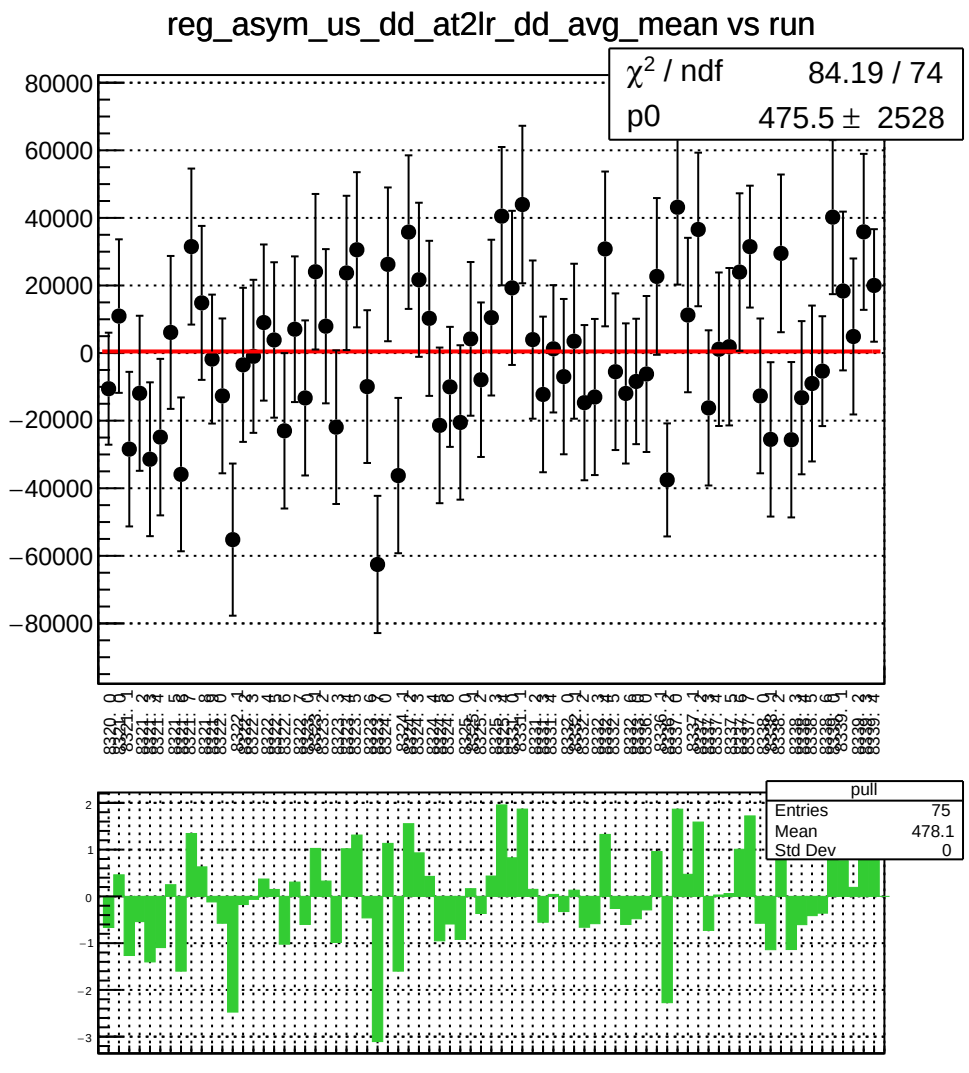

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.75 / 74
p0 −0.04272 ± 0.04698
pull
Entries 75
Mean 66.83
Std Dev 0
pull1D
Entries 75
Mean −0.004005
Std Dev 1.012

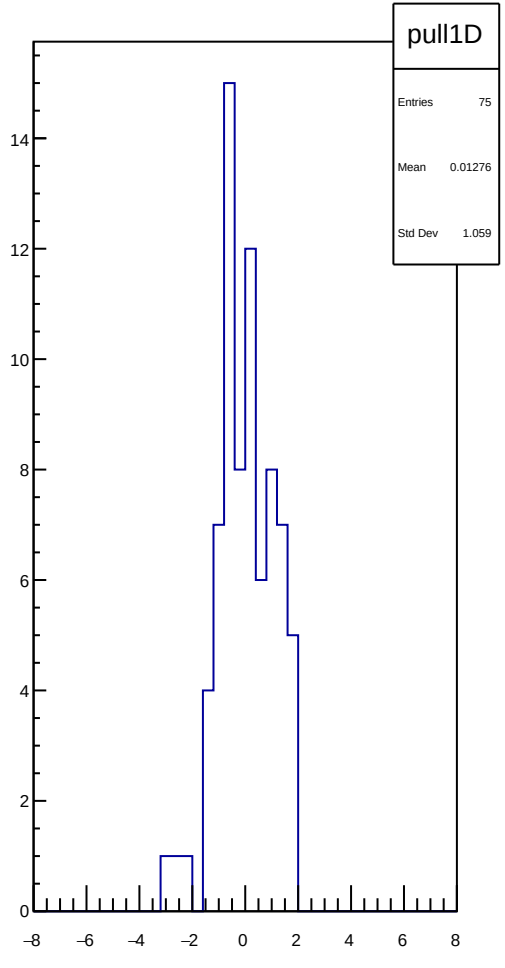

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.513e+05 / 74
p0 36.83 ± 0.03322
100
80
60
40
20

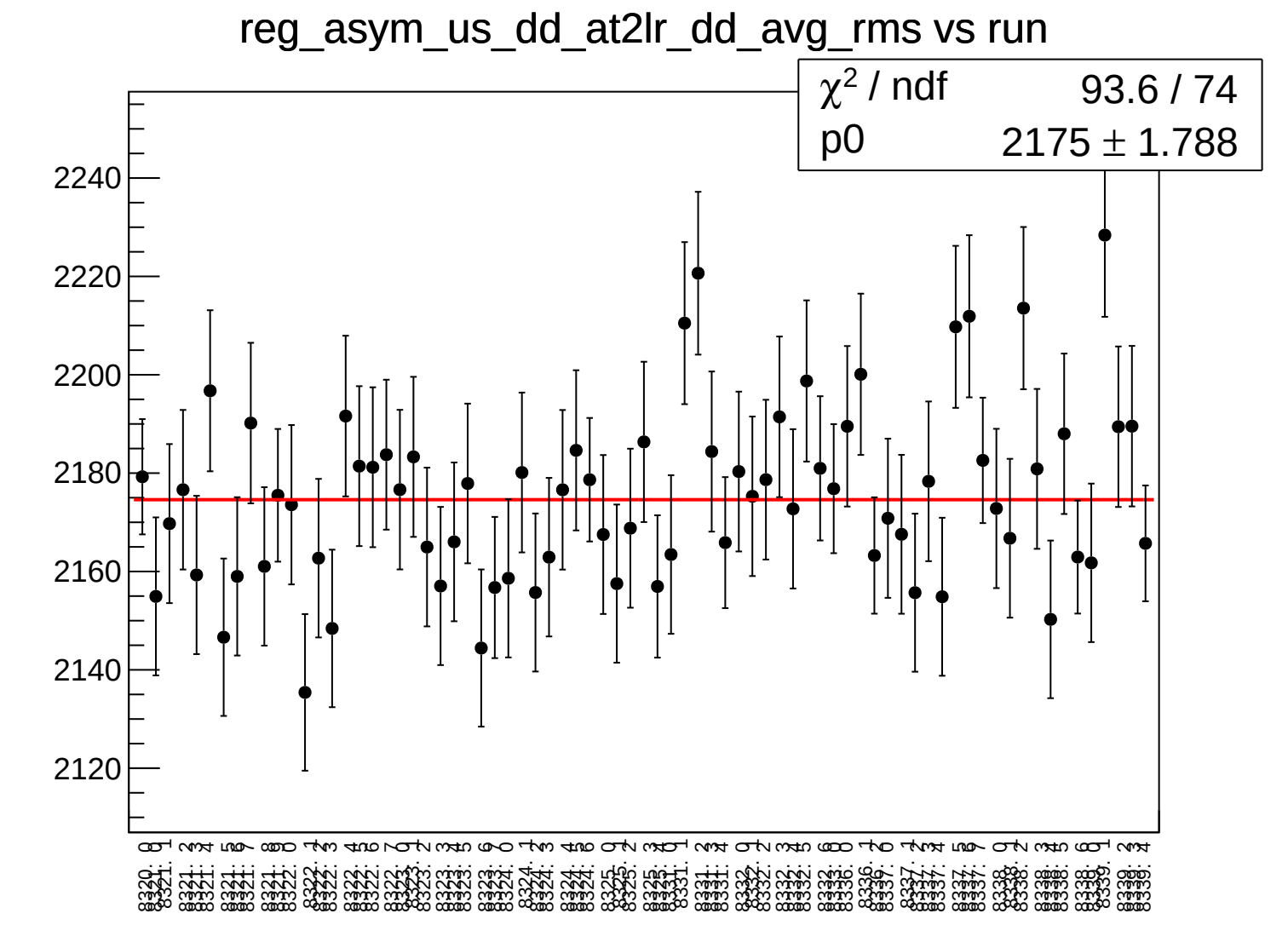

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 91.51 / 74
p0 9.135e−14 ± 1.045e−13
pull
Entries 75
Mean 27.36
Std Dev 18.05

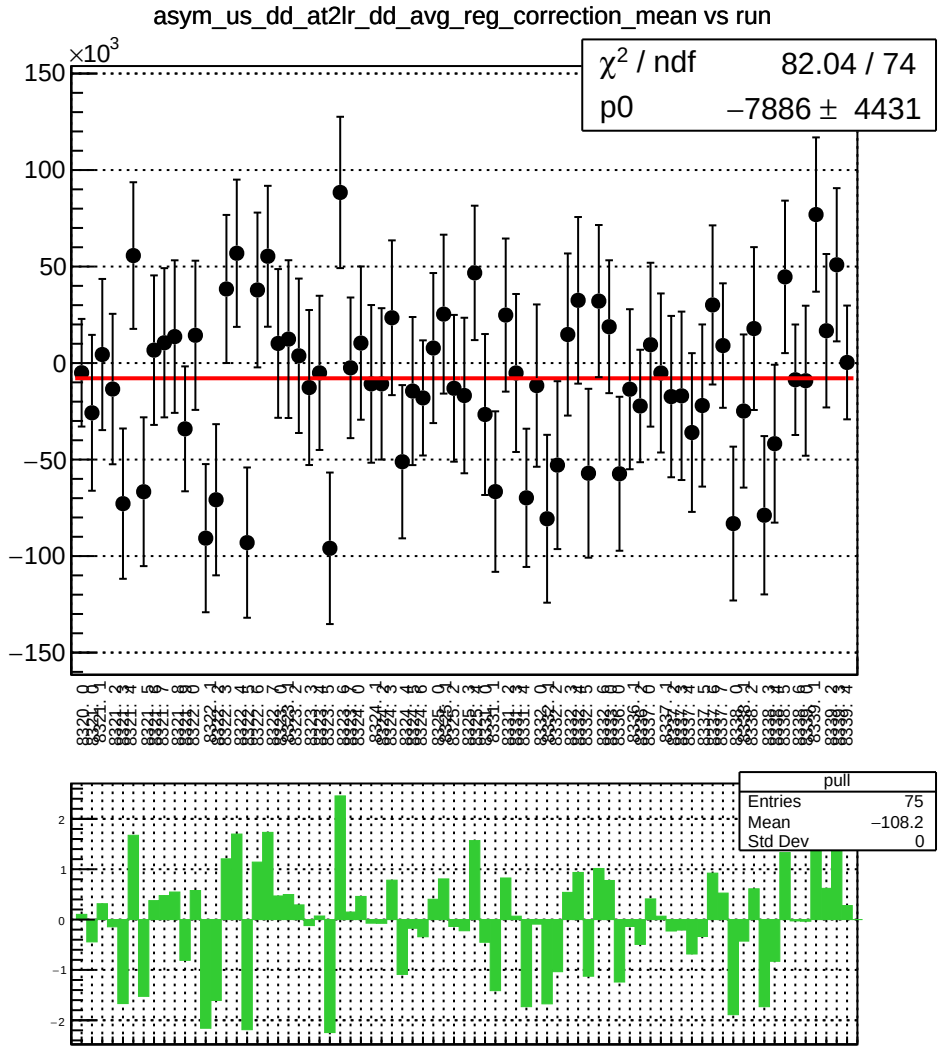

pull1D
Entries 75
Mean −0.1181
Std Dev 1.098

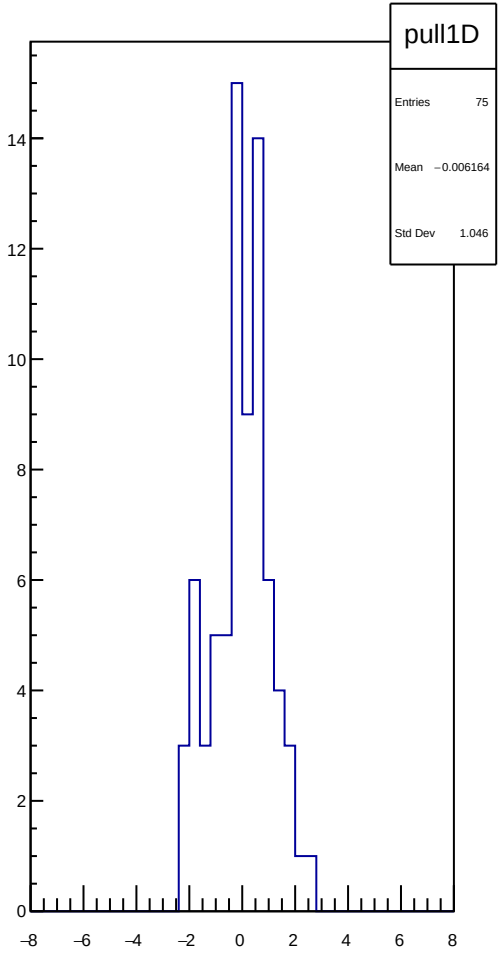

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.954e+05 / 74
p0 7.694e−11 ± 7.387e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

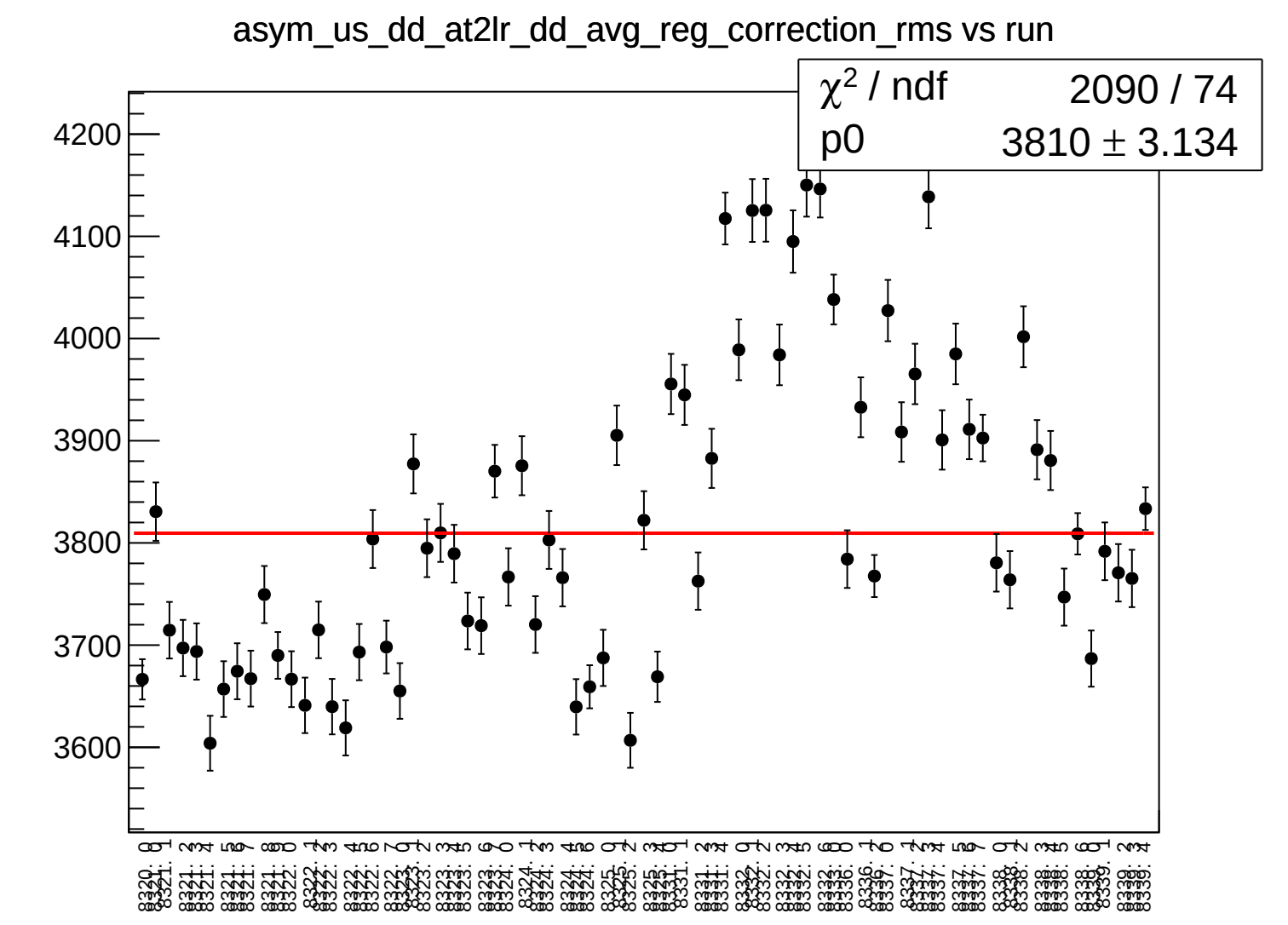

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 84.19 / 74
p0 475.5 ± 2528
pull
Entries 75
Mean 478.1
Std Dev 0

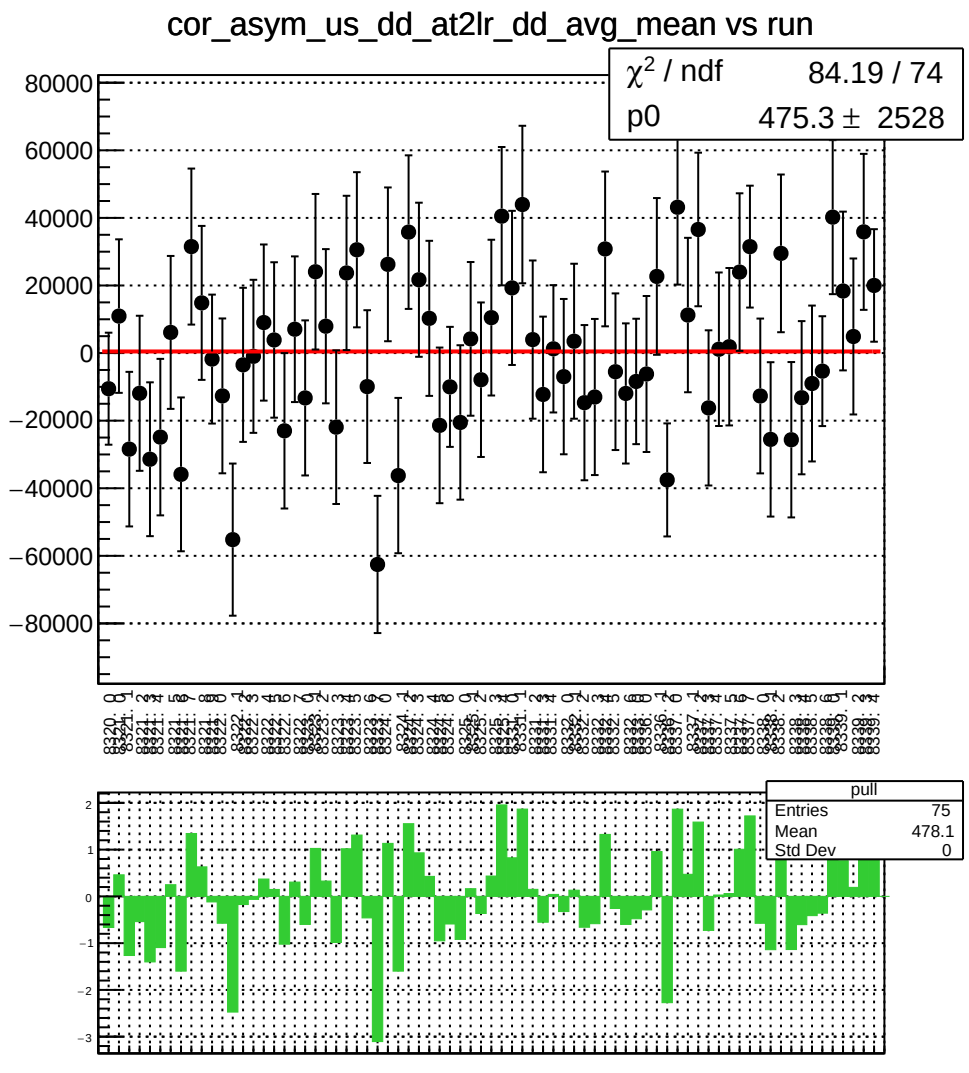

pull1D
Entries 75
Mean 0.01276
Std Dev 1.059

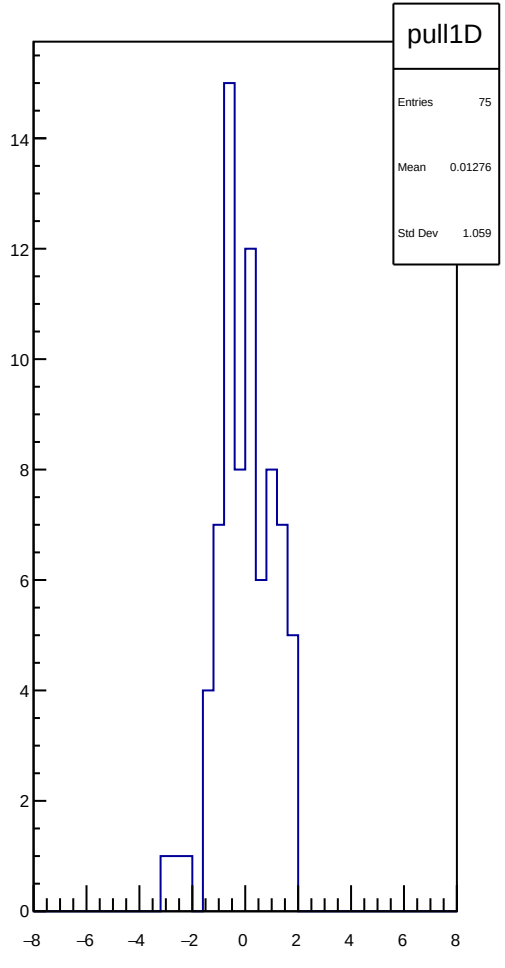

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 93.6 / 74
p0 2175 ± 1.788
2240
2220
2200
2180
2160
2140
2120

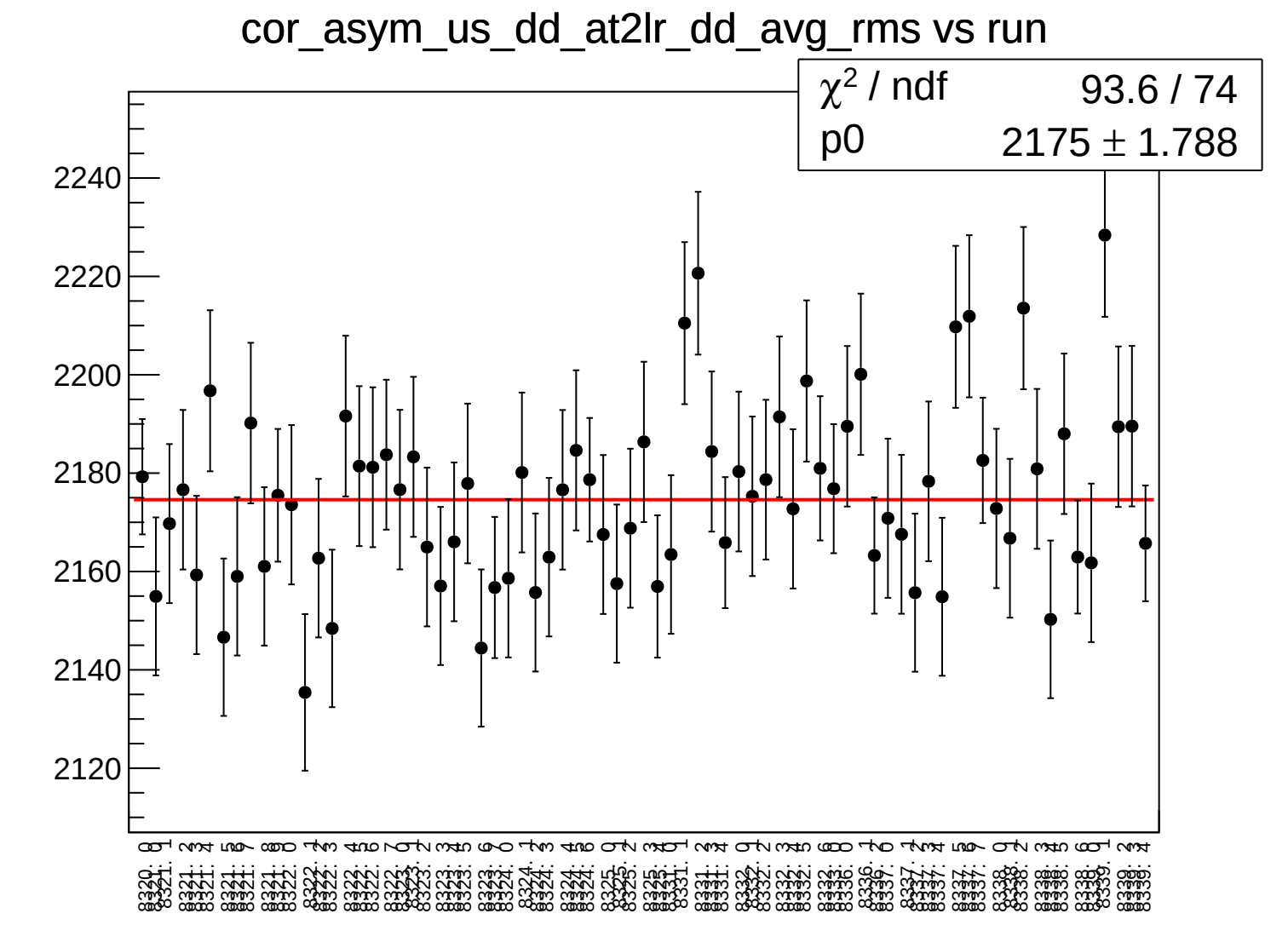

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
χ² / ndf 82.04 / 74
p0 −7886 ± 4431
pull
Entries 75
Mean −108.2
Std Dev 0

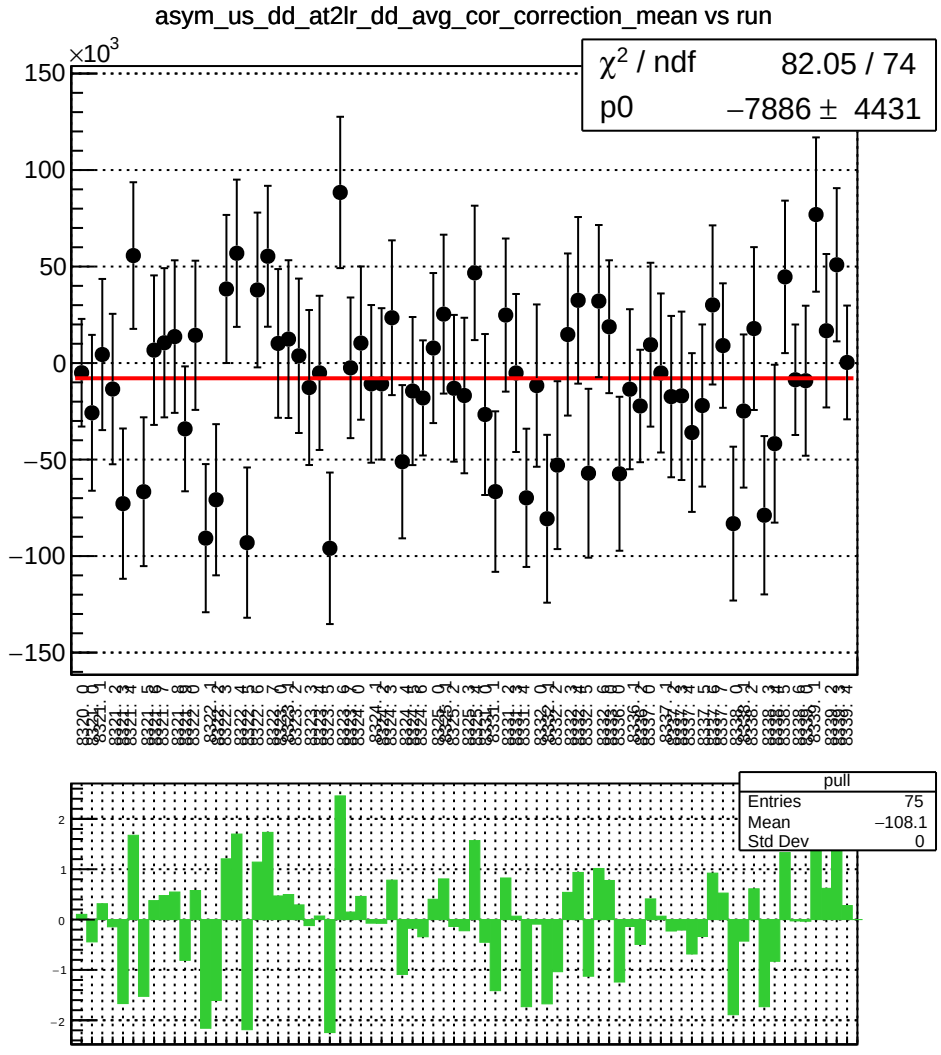

pull1D
Entries 75
Mean −0.006164
Std Dev 1.046

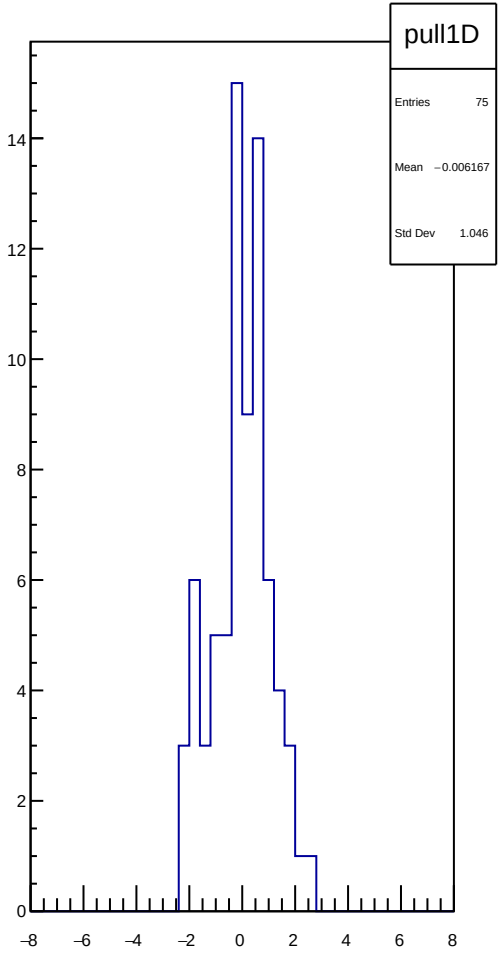

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 2090 / 74
p0 3810 ± 3.134
4200
4100
4000
3900
3800
3700
3600

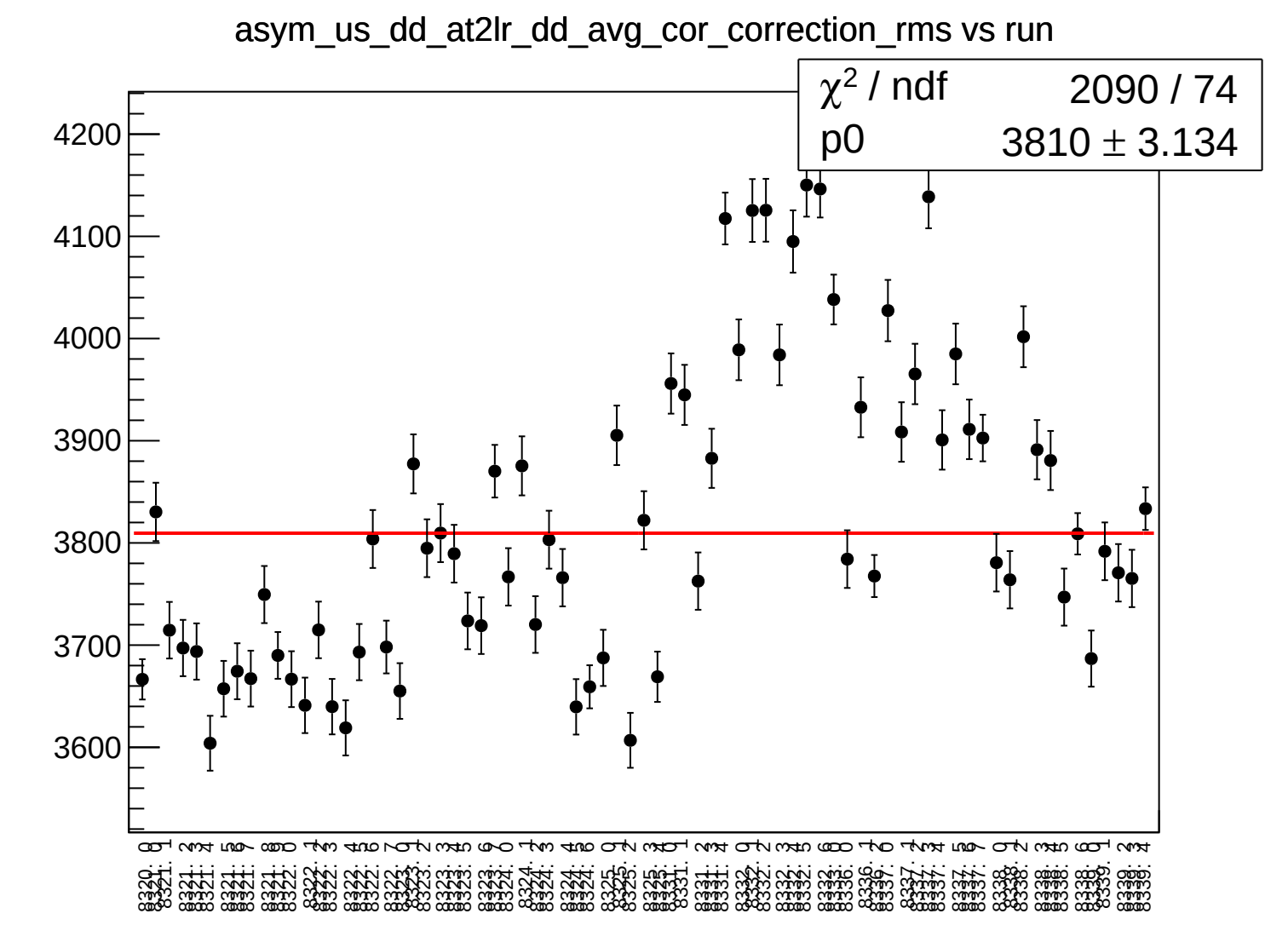

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 84.19 / 74
p0 475.3 ± 2528
pull
Entries 75
Mean 478.1
Std Dev 0

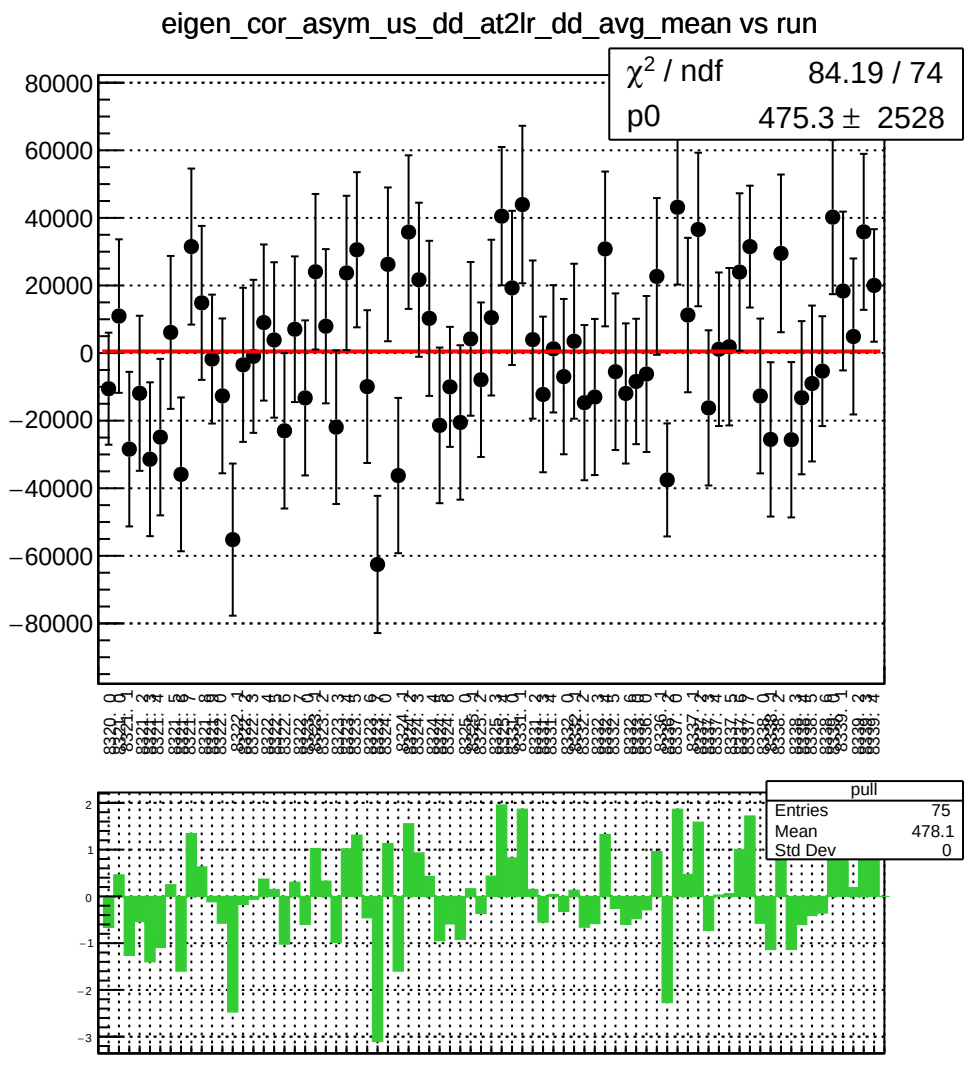

pull1D
Entries 75
Mean 0.01276
Std Dev 1.059

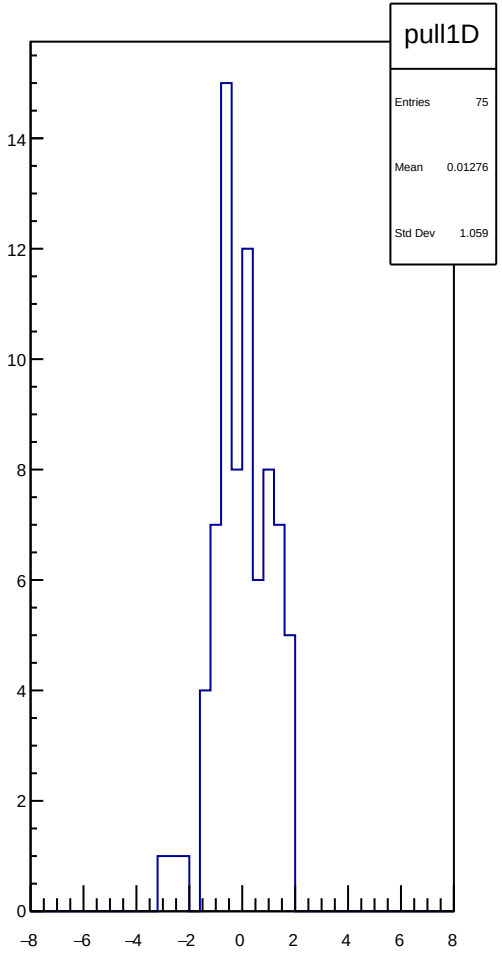

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 93.6 / 74
p0 2175 ± 1.788
2240
2220
2200
2180
2160
2140
2120

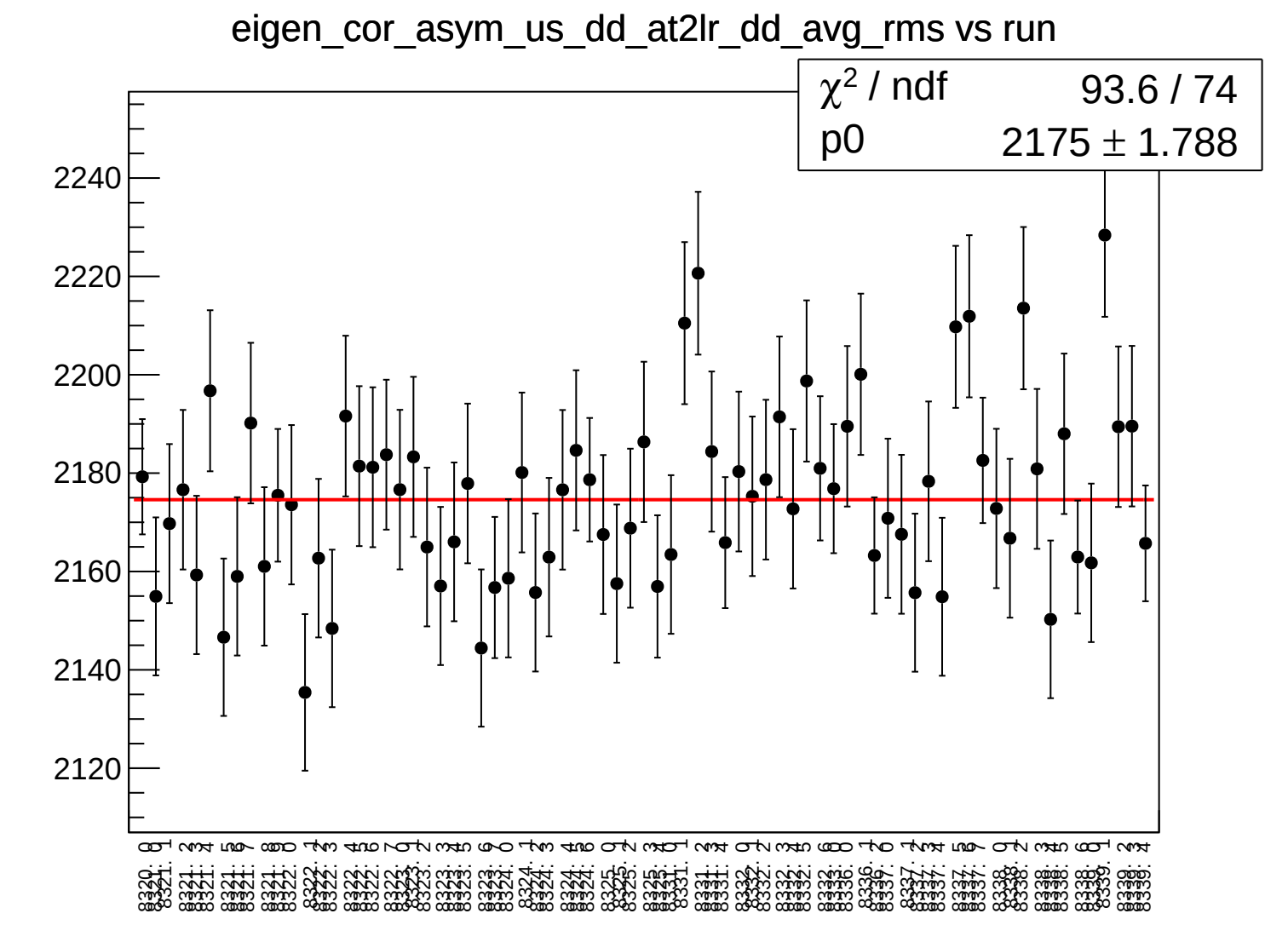

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 82.05 / 74
p0 −7886 ± 4431
pull
Entries 75
Mean −108.1
Std Dev 0

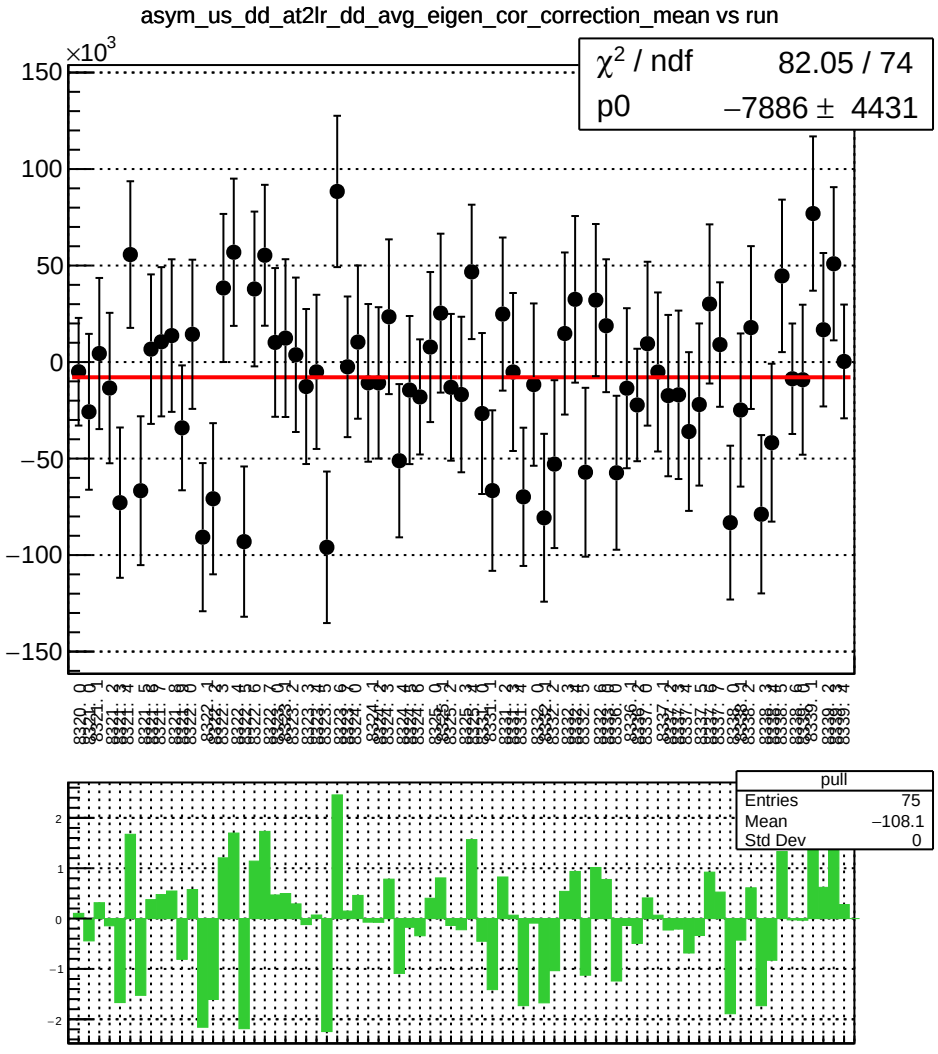

pull1D
Entries 75
Mean −0.006167
Std Dev 1.046

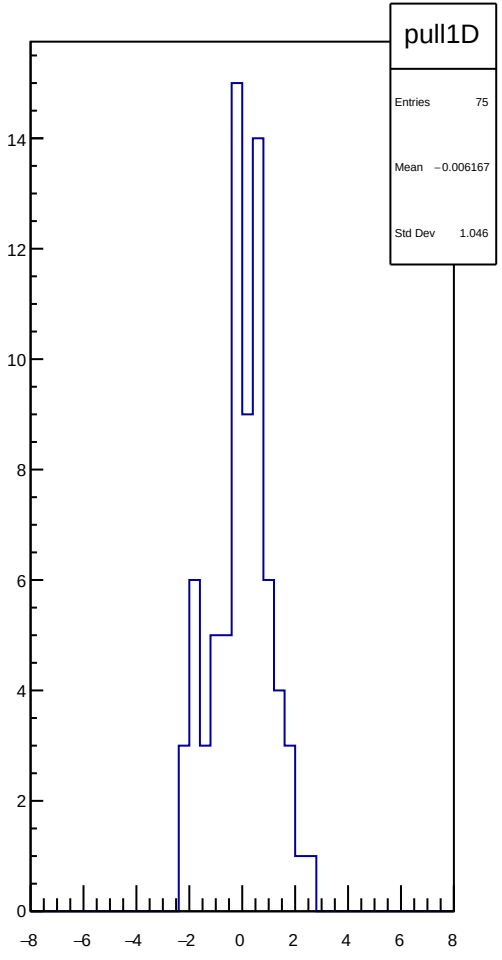

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 2090 / 74
p0 3810 ± 3.134
4200
4100
4000
3900
3800
3700
3600

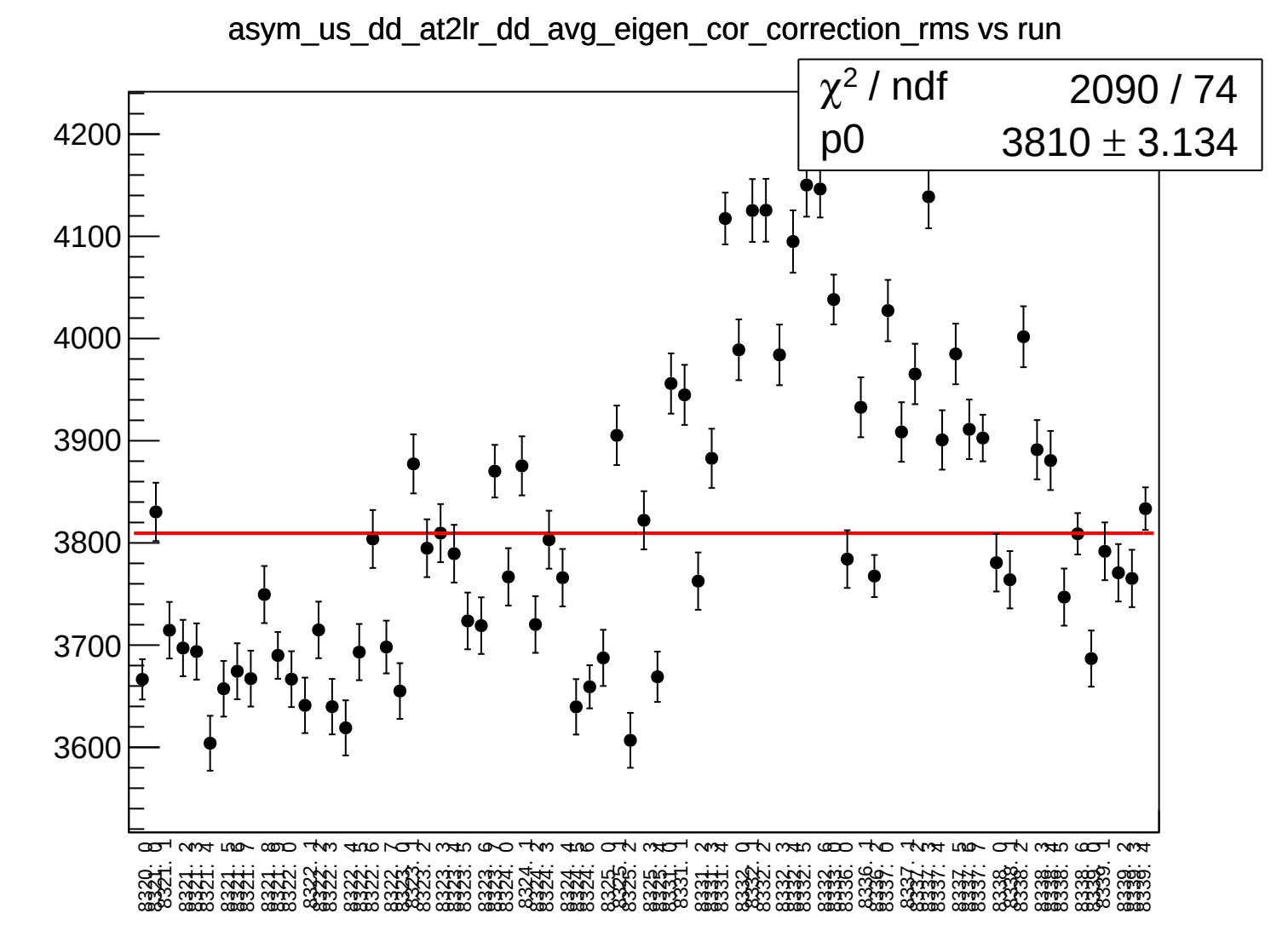

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 84.19 / 74
p0 475.3 ± 2528
pull
Entries 75
Mean 478.1
Std Dev 0

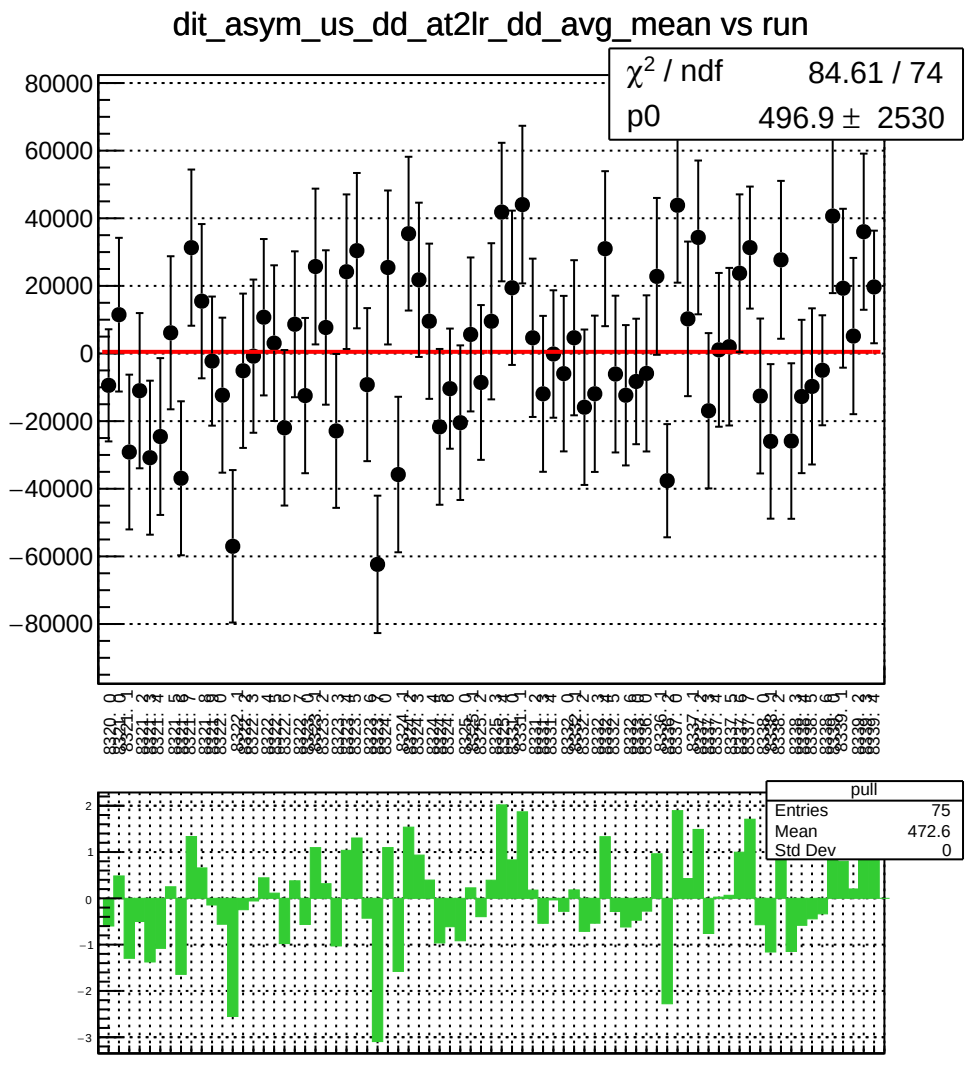

pull1D
Entries 75
Mean 0.01276
Std Dev 1.059

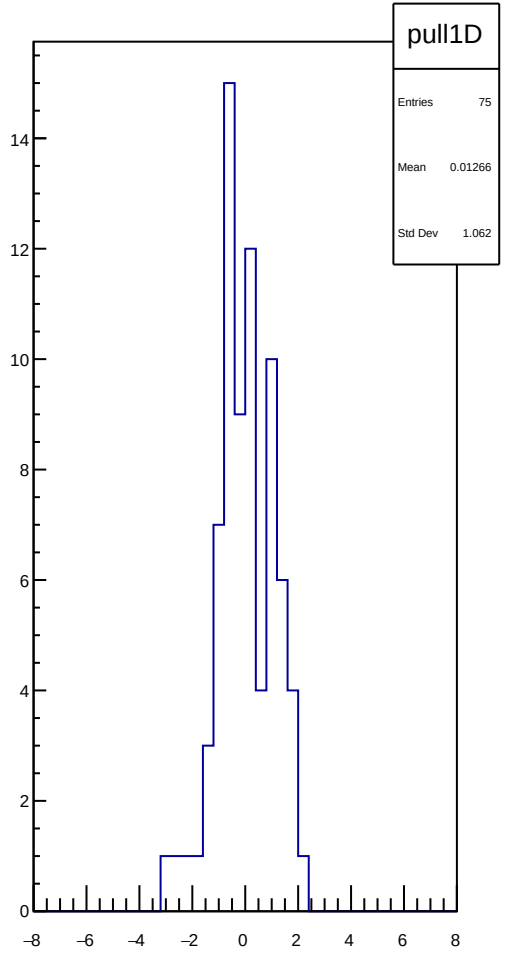

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 93.6 / 74
p0 2175 ± 1.788
2240
2220
2200
2180
2160
2140
2120

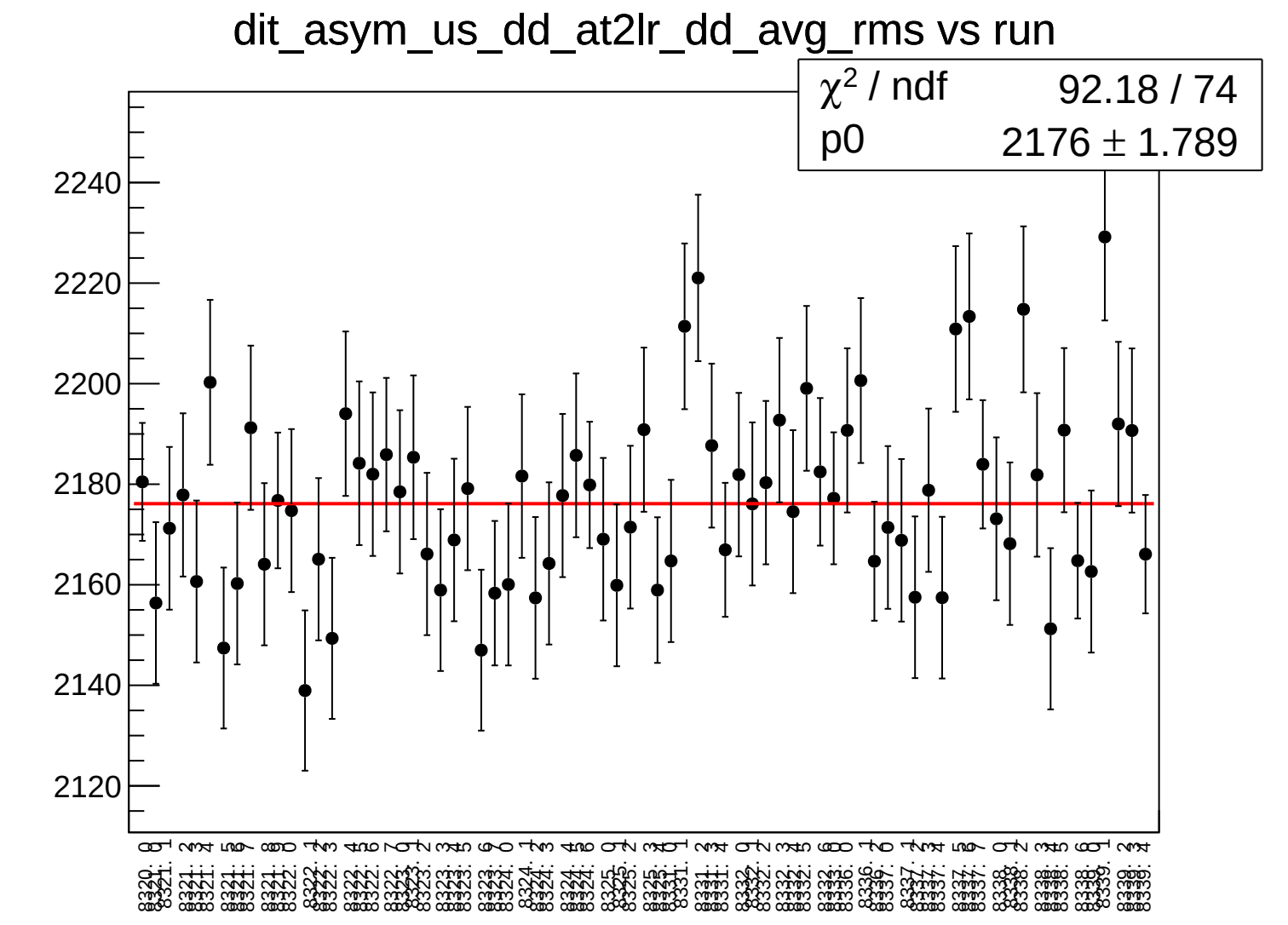

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 82.05 / 74
p0 −7886 ± 4431
pull
Entries 75
Mean −108.1
Std Dev 0

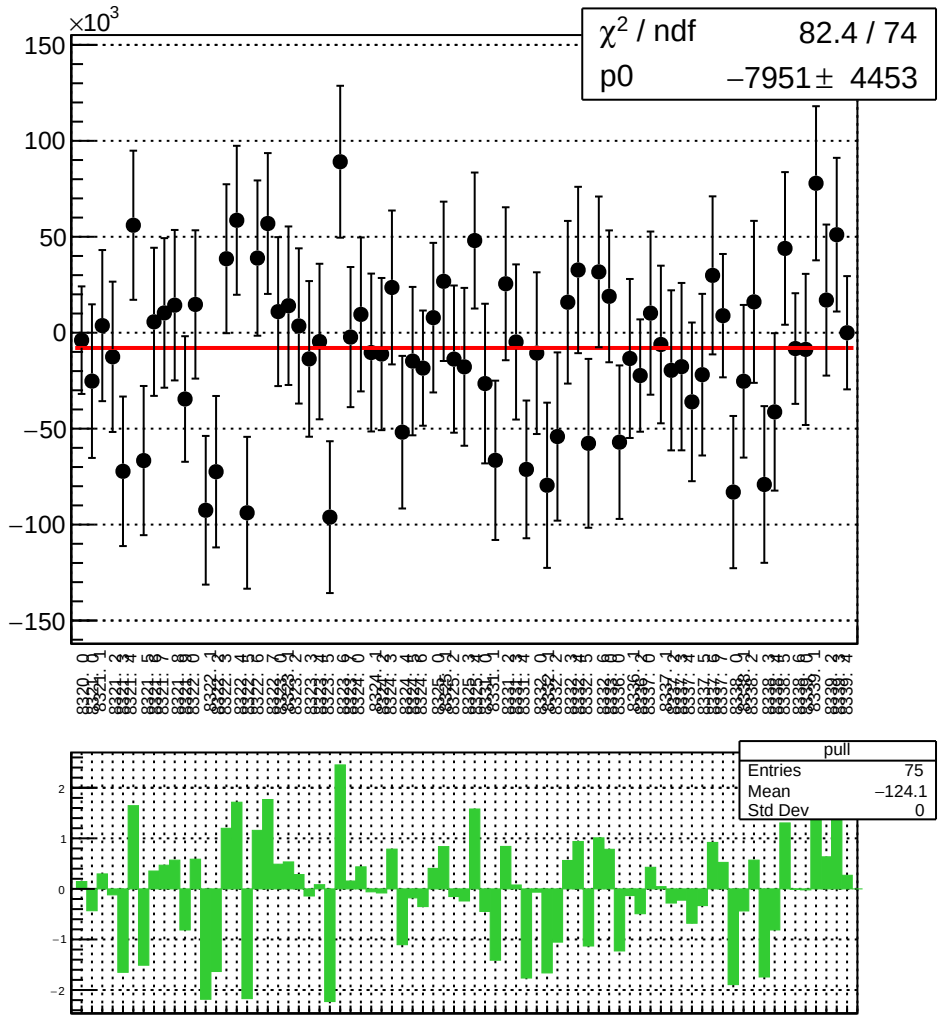

pull1D
Entries 75
Mean −0.006167
Std Dev 1.046

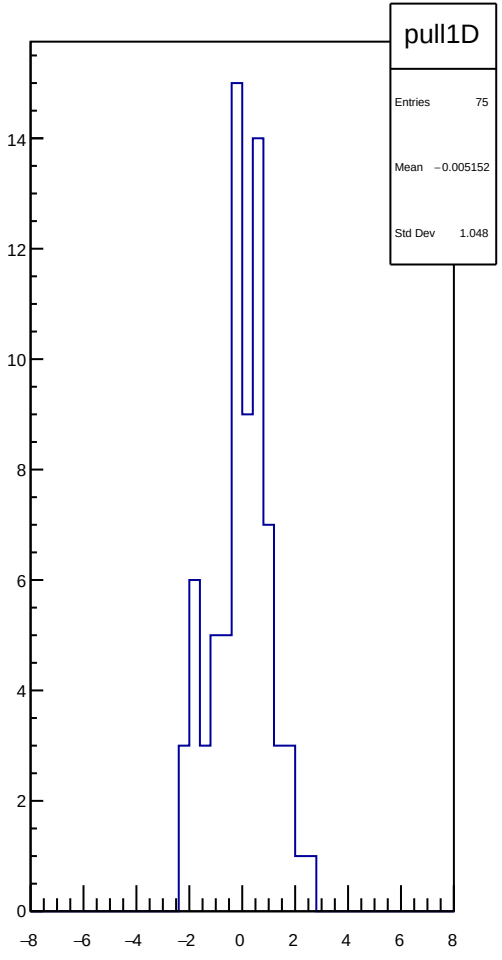

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2090 / 74
p0 3810 ± 3.134
4200
4100
4000
3900
3800
3700
3600

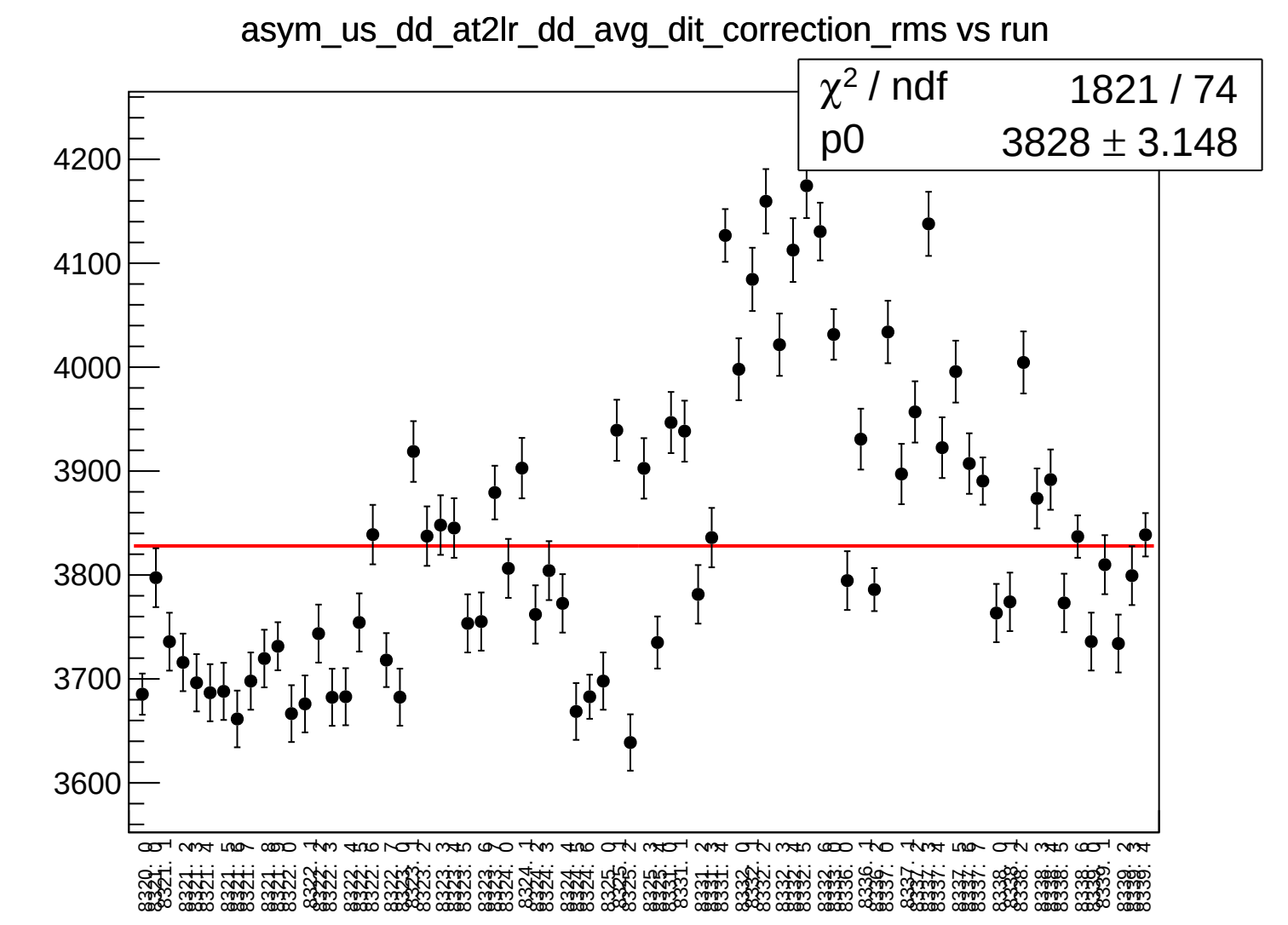

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 84.61 / 74
p0 496.9 ± 2530
pull
Entries 75
Mean 472.6
Std Dev 0

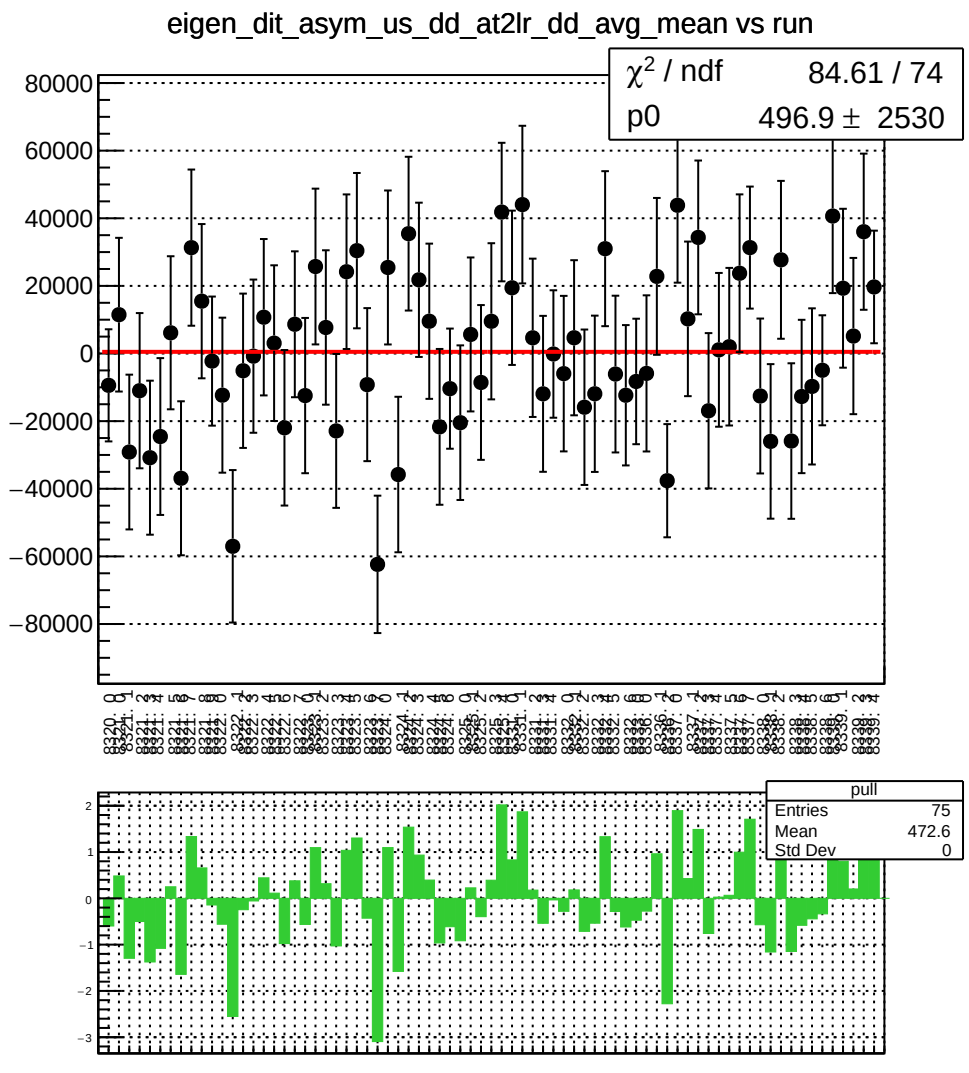

pull1D
Entries 75
Mean 0.01266
Std Dev 1.062

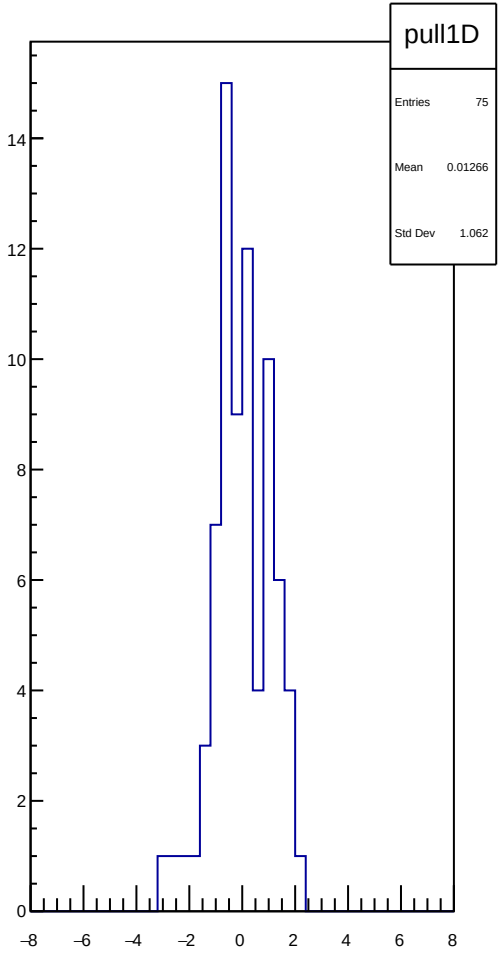

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 92.18 / 74
p0 2176 ± 1.789
2240
2220
2200
2180
2160
2140
2120

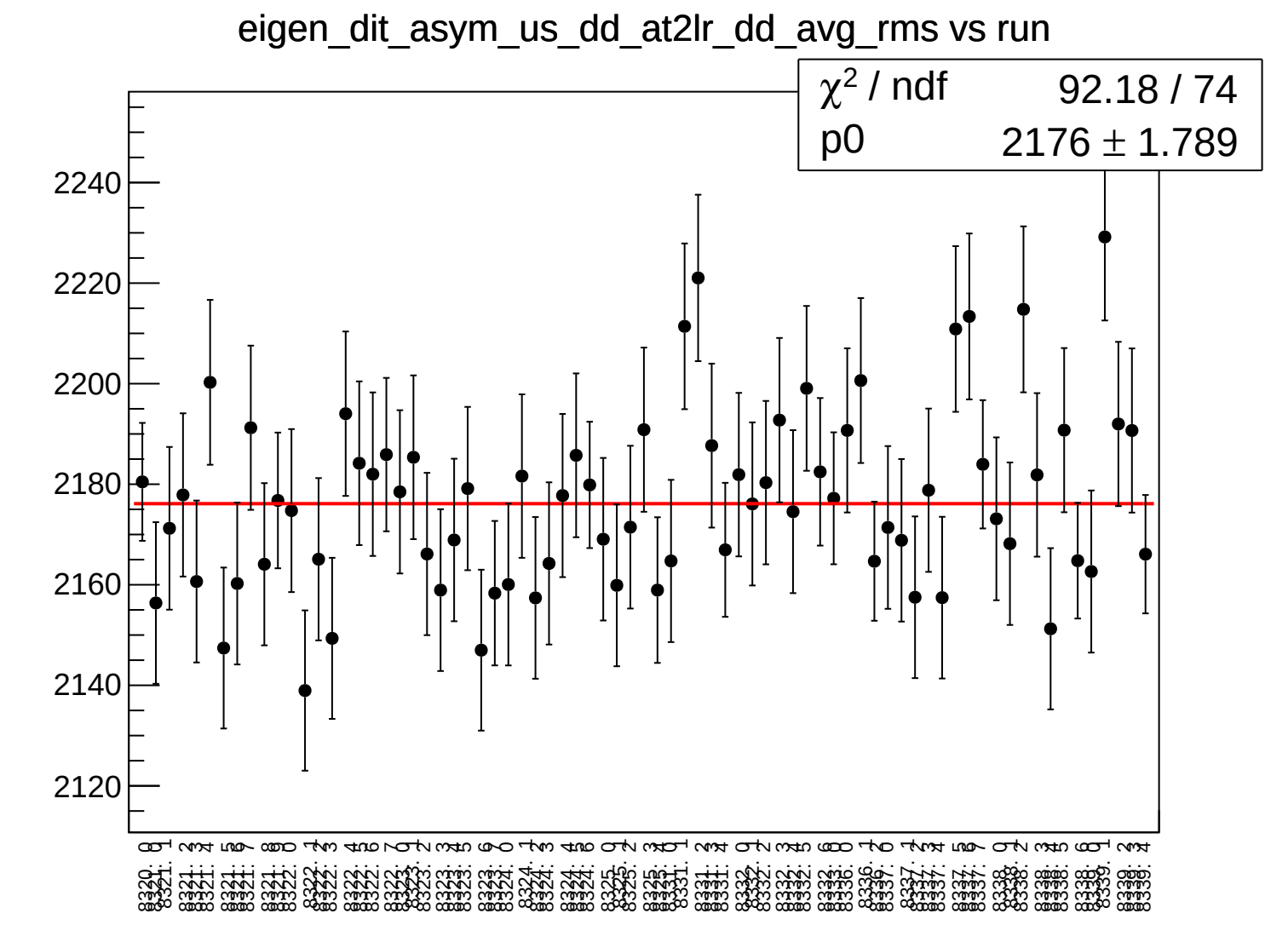

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 82.4 / 74
p0 −7951 ± 4453
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean −124.1
Std Dev 0
2
1
0
−1
−2

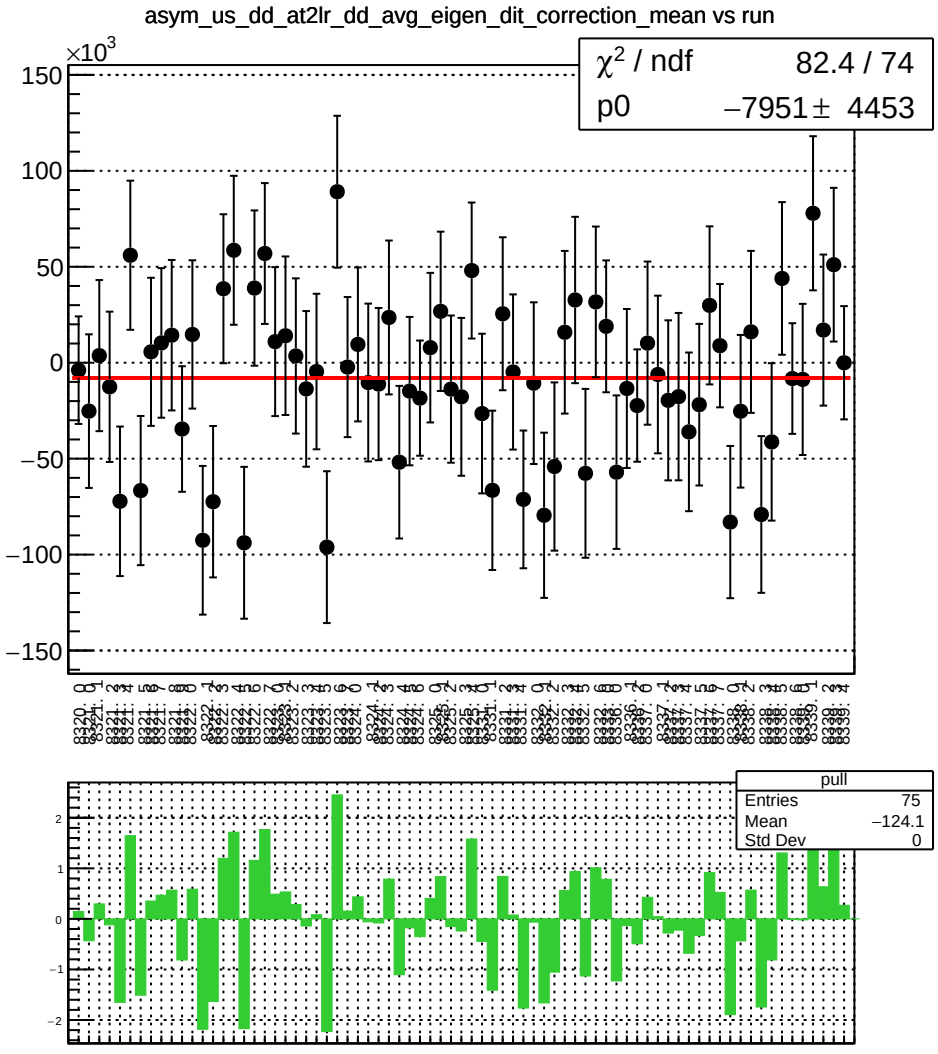

pull1D
Entries 75
Mean −0.005152
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

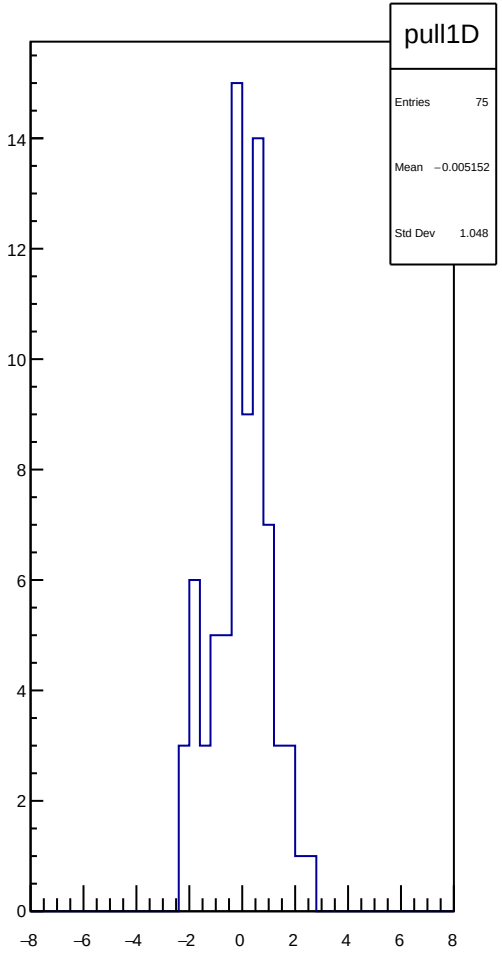

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 1821 / 74
p0 3828 ± 3.148
4200
4100
4000
3900
3800
3700
3600

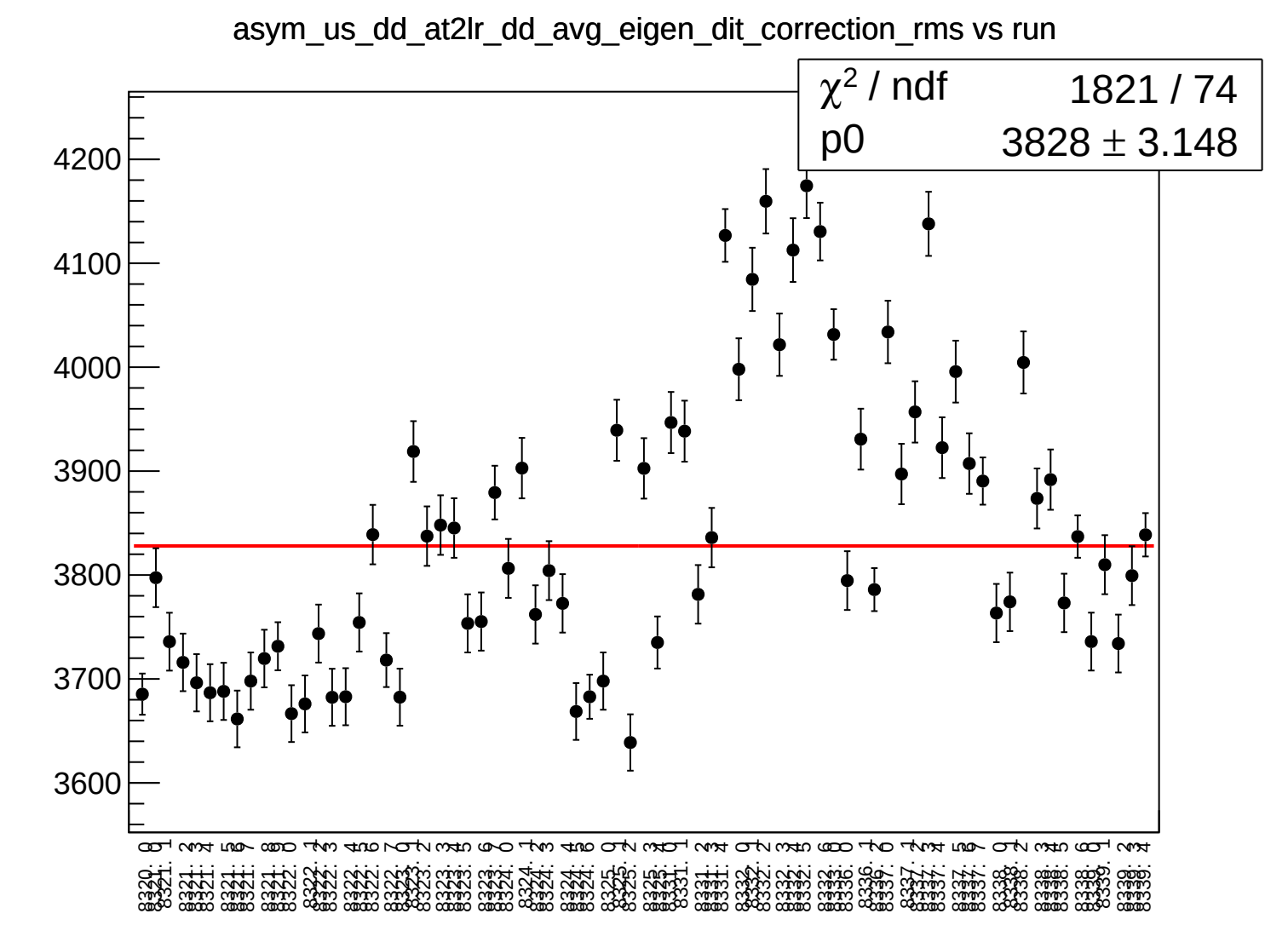

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 84.61 / 74
p0 496.9 ± 2530
pull
Entries 75
Mean 472.6
Std Dev 0

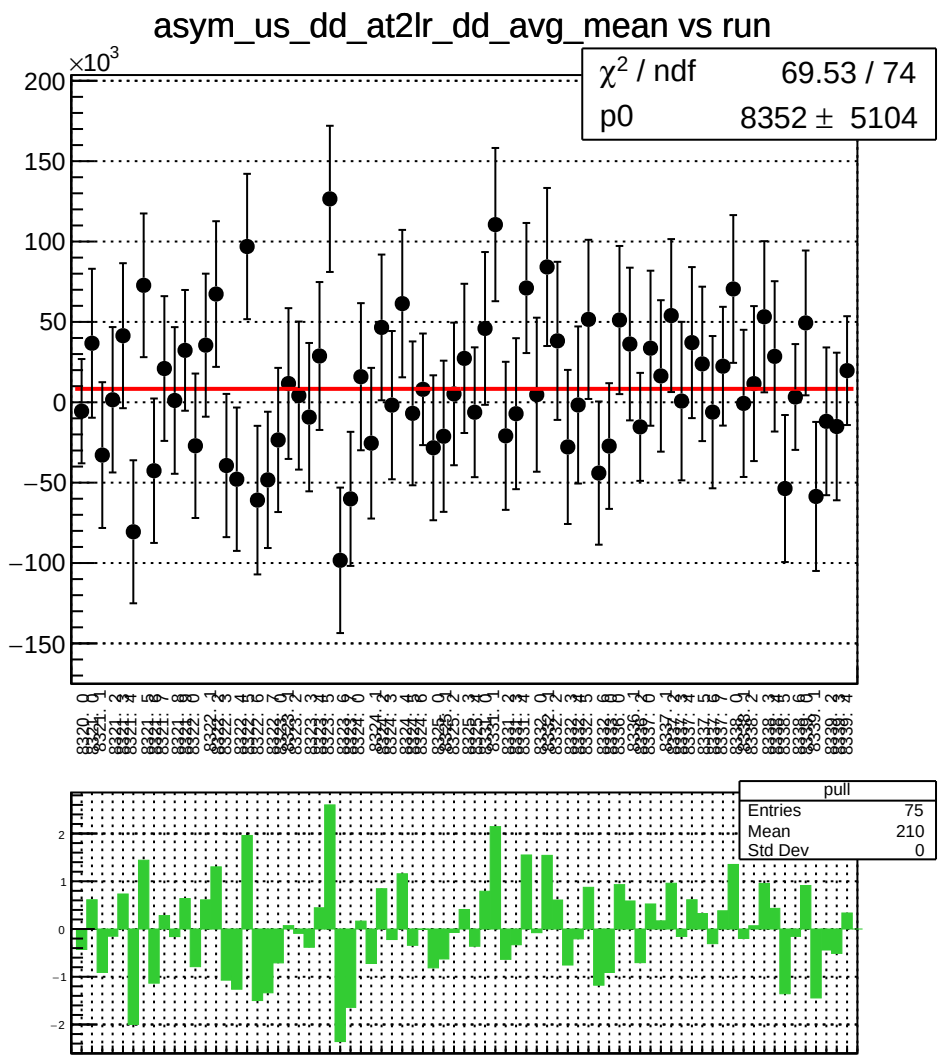

pull1D
Entries 75
Mean 0.01266
Std Dev 1.062

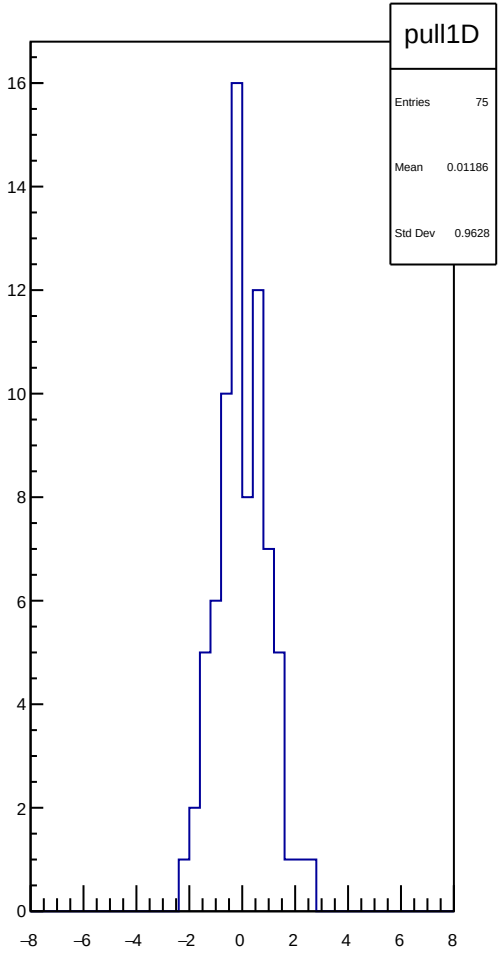

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 92.18 / 74
p0 2176 ± 1.789
2240
2220
2200
2180
2160
2140
2120

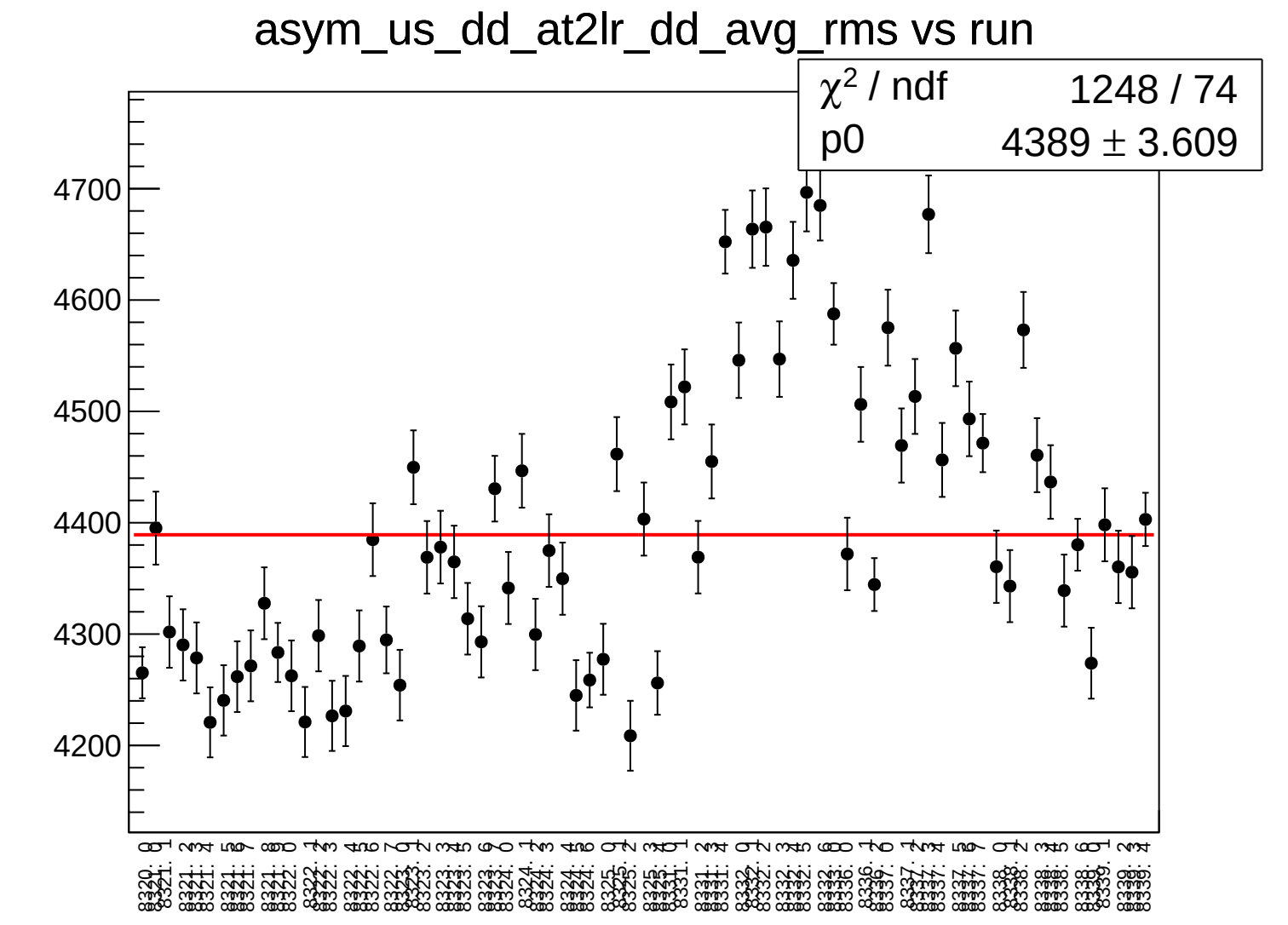

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.4 / 74
p0 −7951 ± 4453
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean −124.1
Std Dev 0
2
1
0
−1
−2

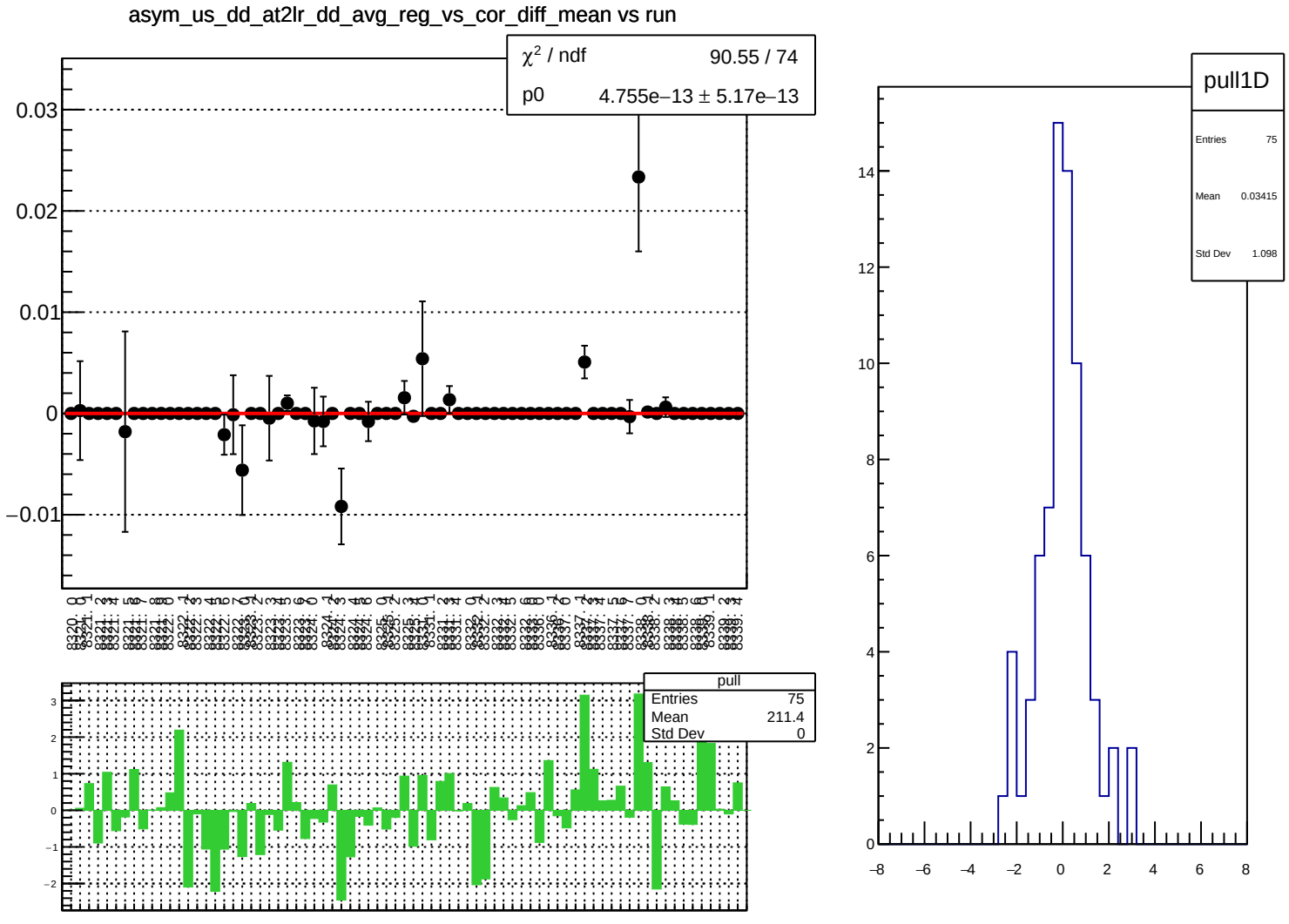

pull1D
Entries 75
Mean −0.005152
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

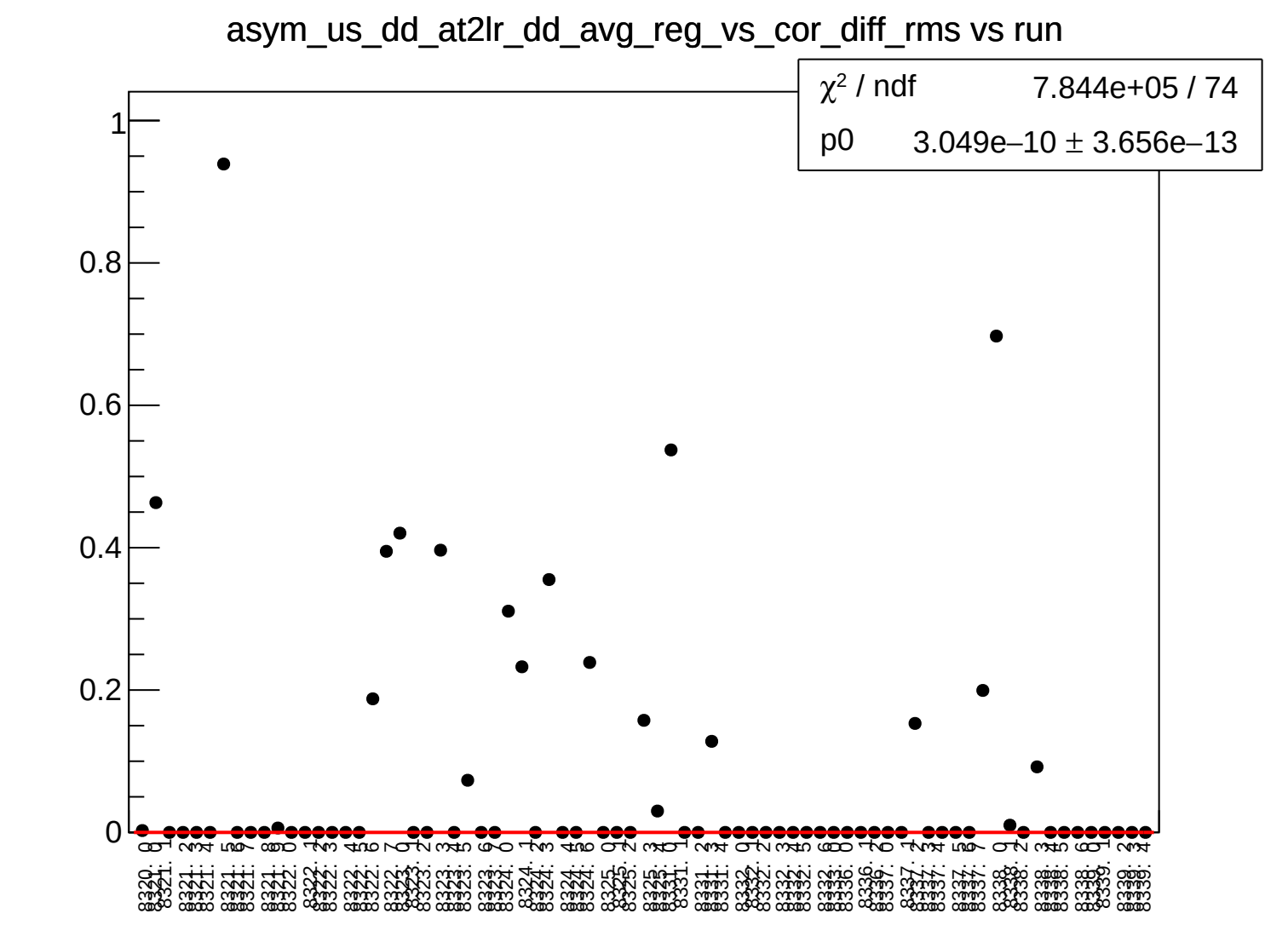

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1821 / 74
p0 3828 ± 3.148
4200
4100
4000
3900
3800
3700
3600

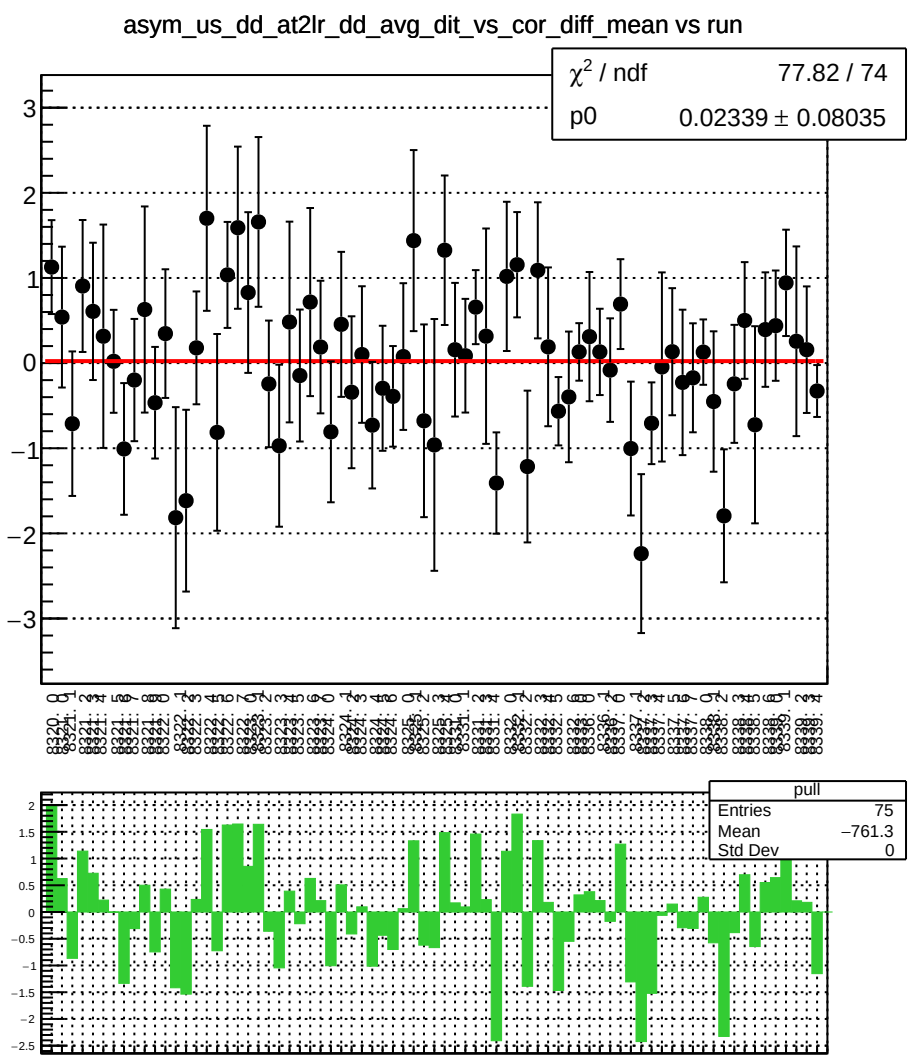

asym_us_dd_at2lr_dd_avg_mean vs run
χ^2 / ndf 69.53 / 74
p0 8352 ± 5104
×10^3
200
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean 210
Std Dev 0
2
1
0
−1
−2

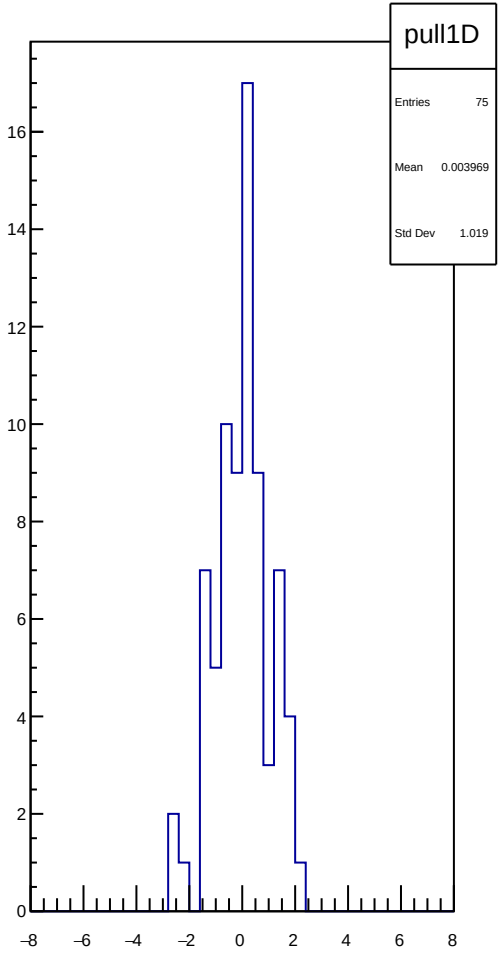

pull1D
Entries 75
Mean 0.01186
Std Dev 0.9628
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

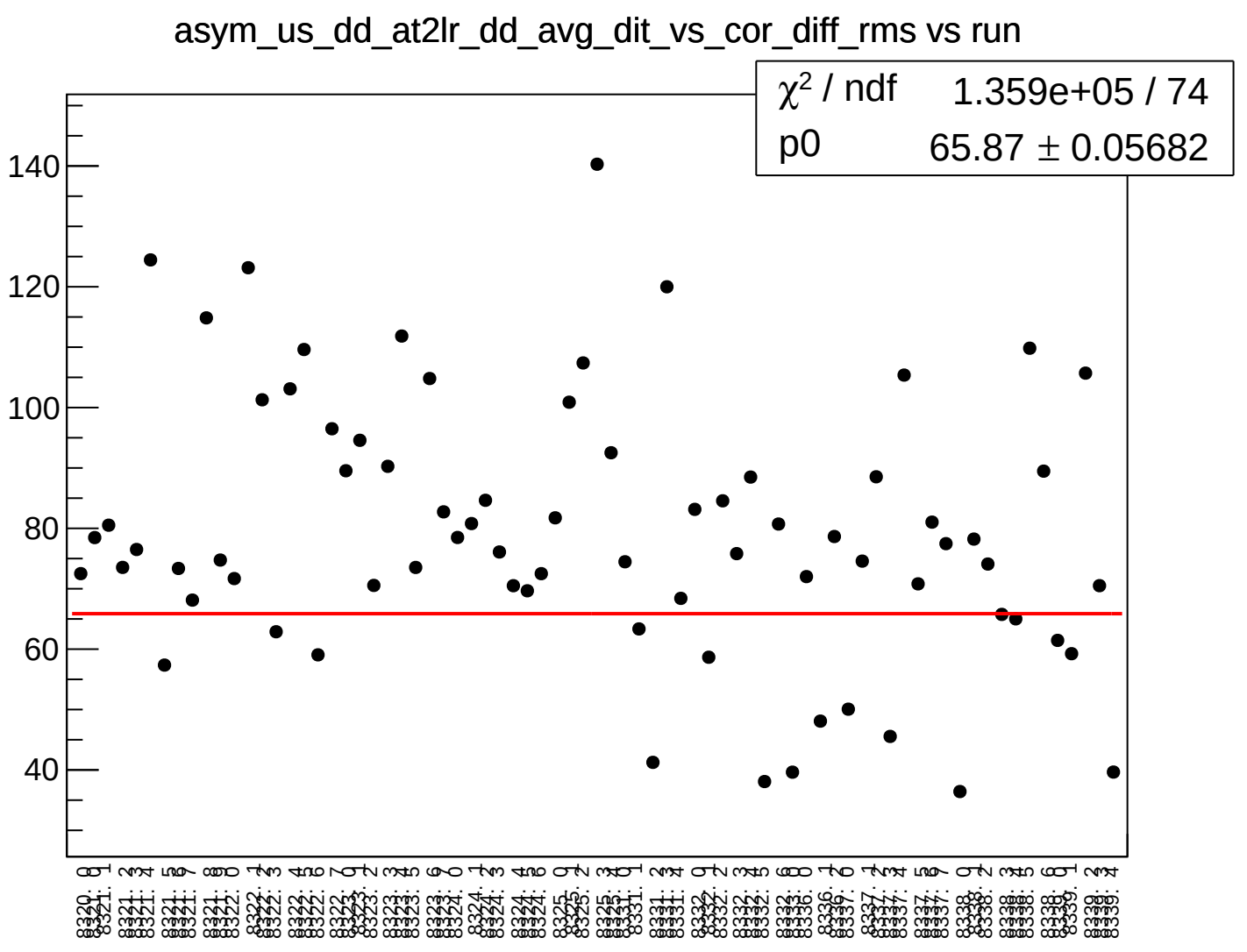

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1248 / 74
p0 4389 ± 3.609
4700
4600
4500
4400
4300
4200

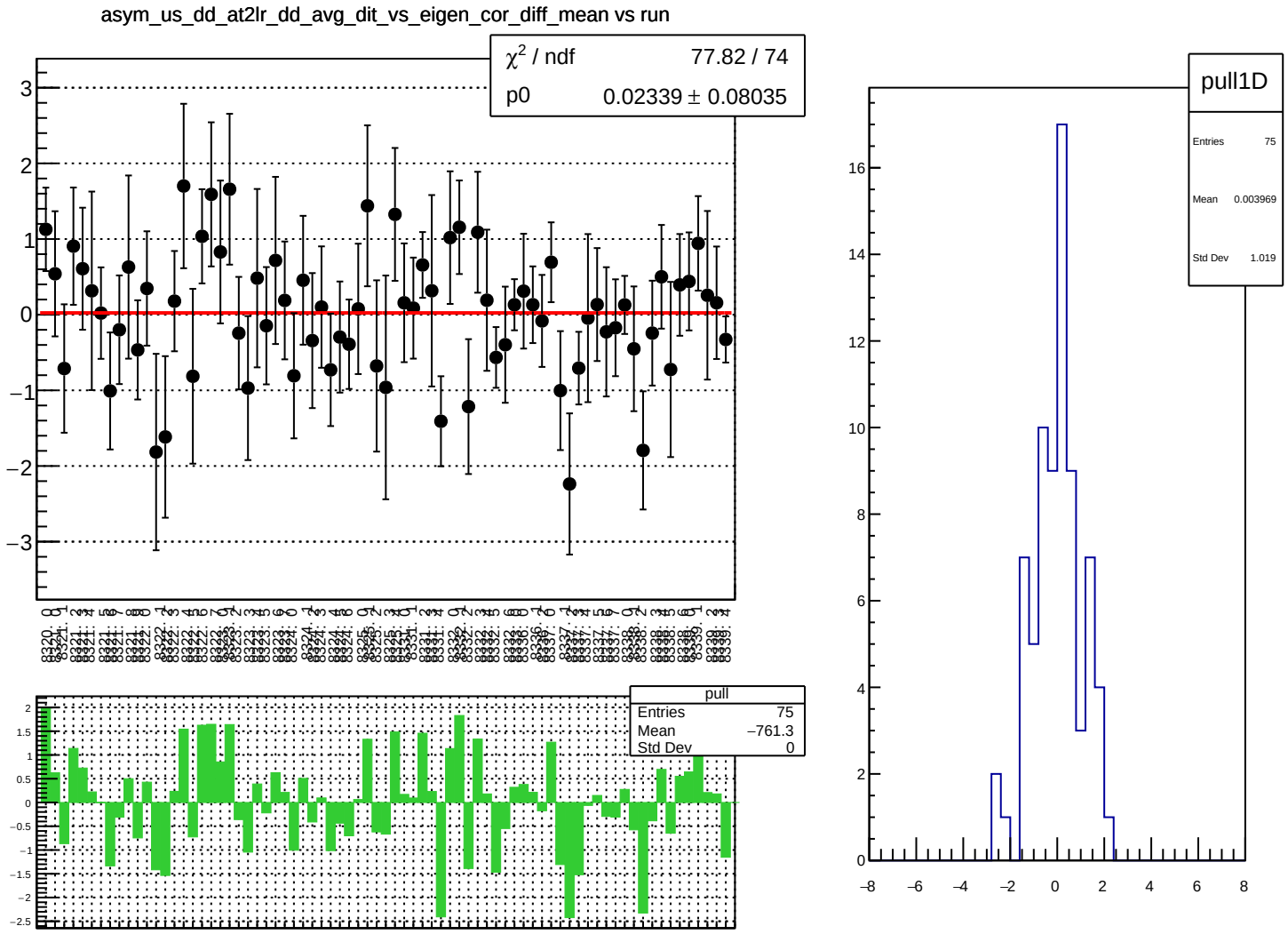

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 90.55 / 74
p0 4.755e−13 ± 5.17e−13
0.03
0.02
0.01
0
−0.01
pull
Entries 75
Mean 211.4
Std Dev 0
pull1D
Entries 75
Mean 0.03415
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

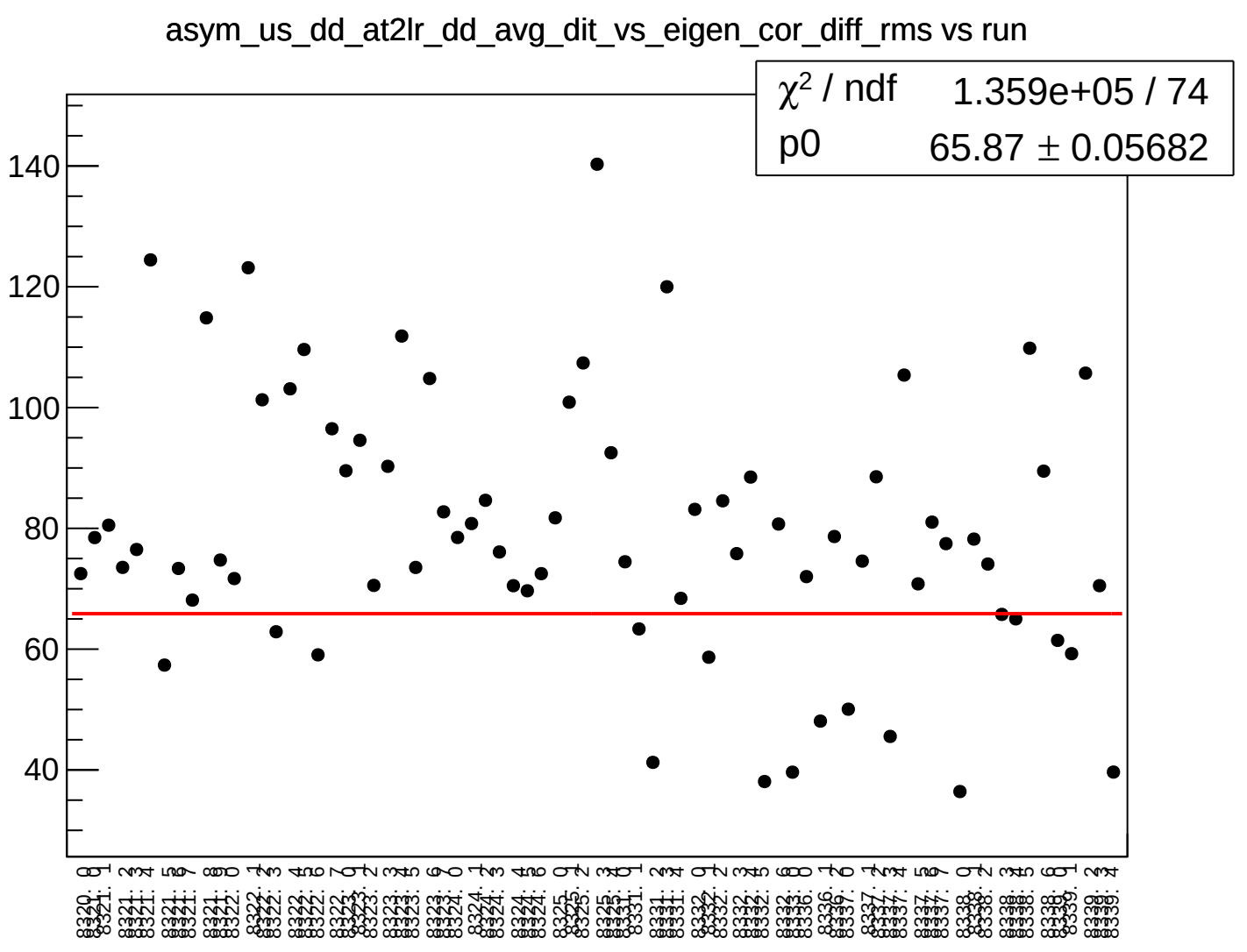

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.844e+05 / 74
p0 3.049e−10 ± 3.656e−13
1
0.8
0.6
0.4
0.2
0

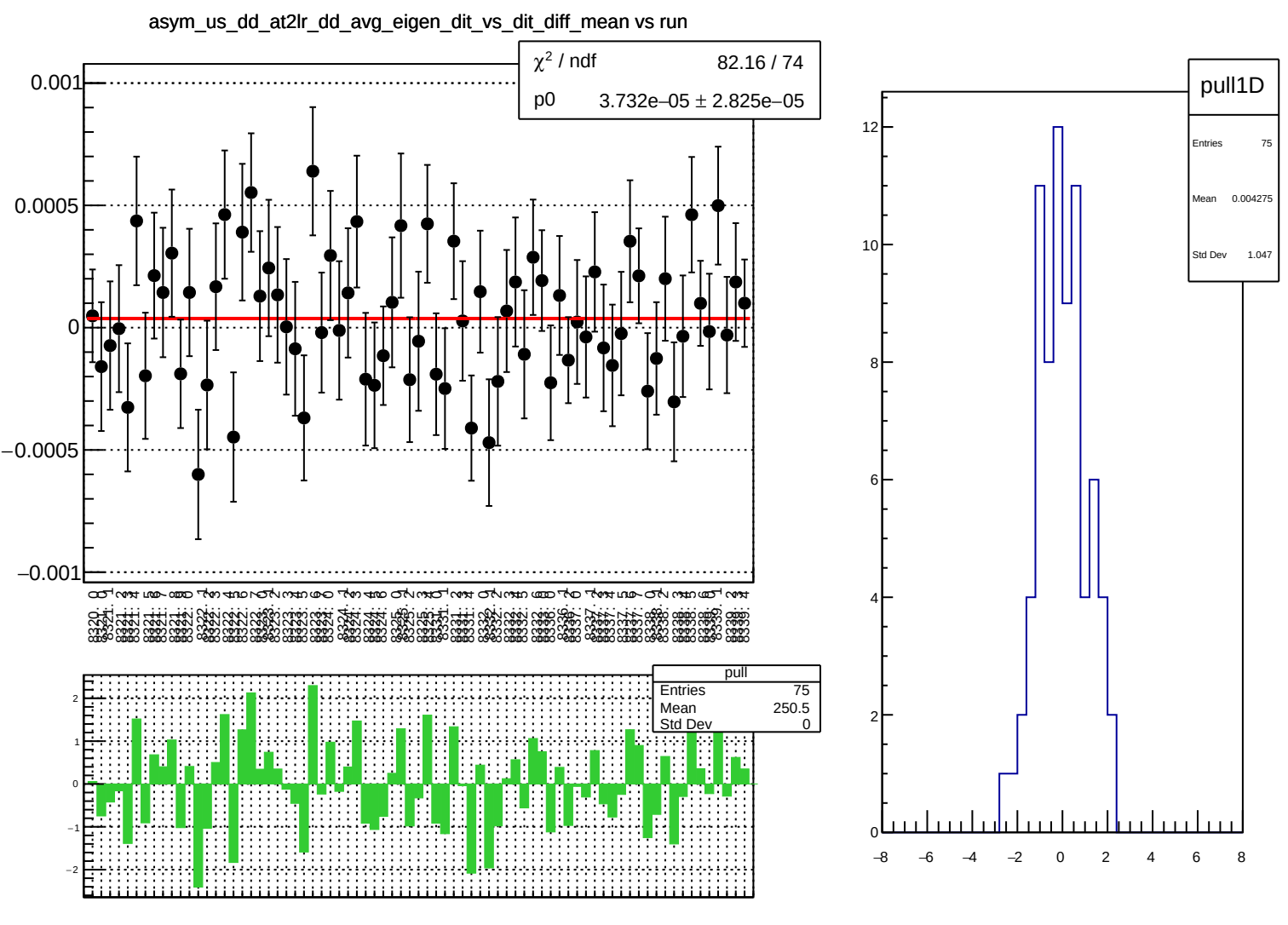

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.82 / 74
p0 0.02339 ± 0.08035
pull
Entries 75
Mean −761.3
Std Dev 0

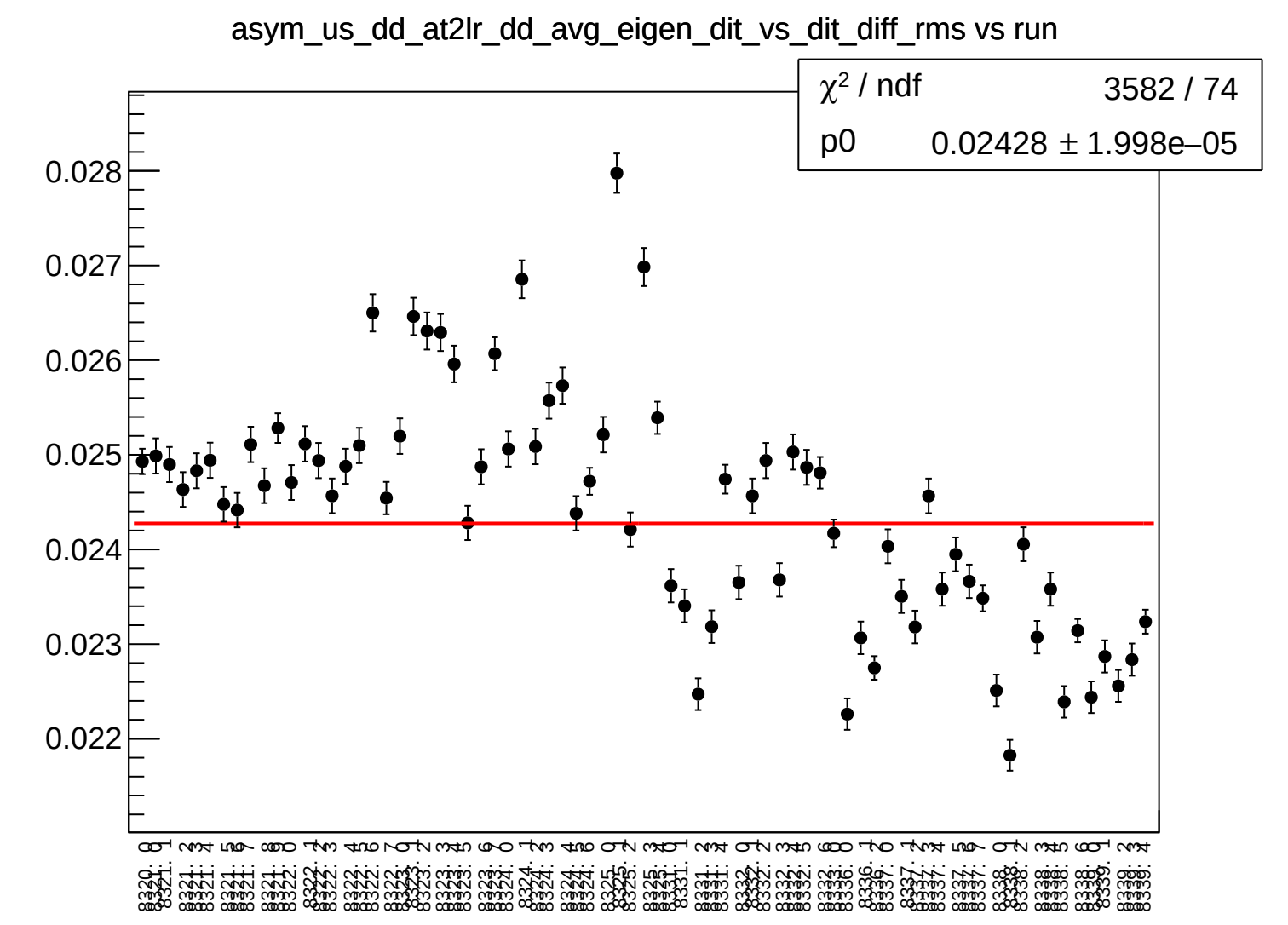

pull1D
Entries 75
Mean 0.003969
Std Dev 1.019

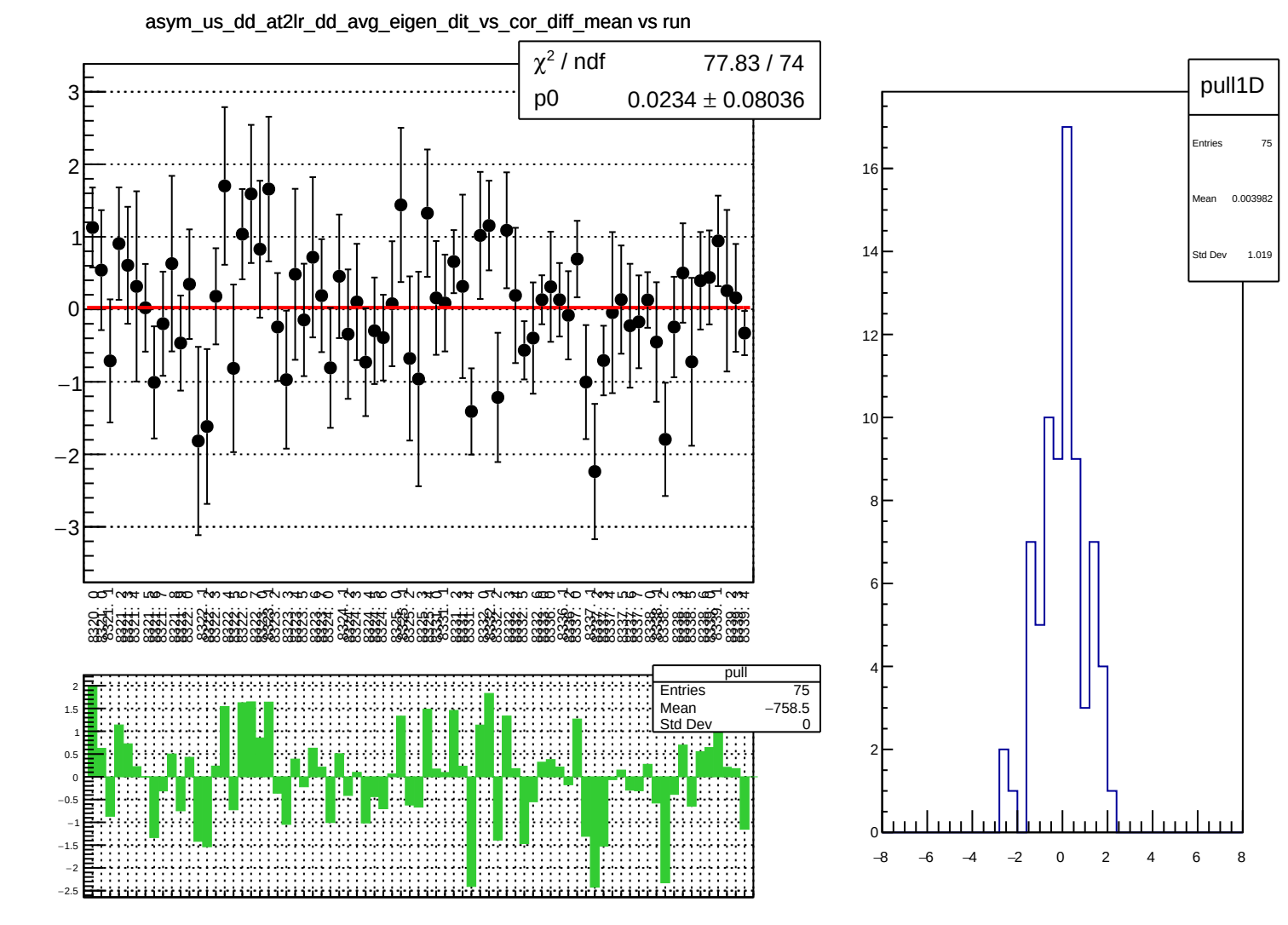

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.359e+05 / 74
p0 65.87 ± 0.05682
140
120
100
80
60
40

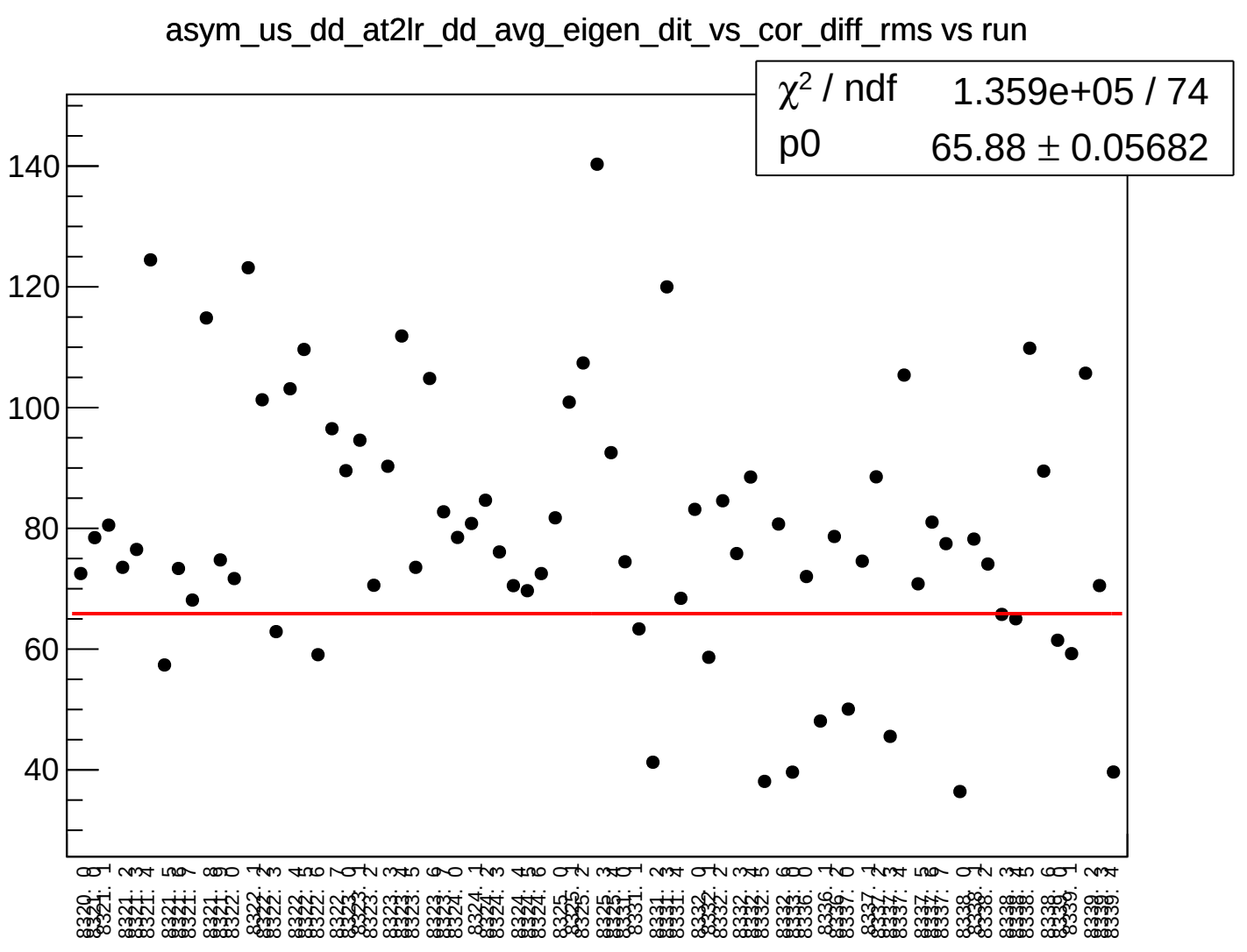

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.82 / 74
p0 0.02339 ± 0.08035
pull
Entries 75
Mean −761.3
Std Dev 0
pull1D
Entries 75
Mean 0.003969
Std Dev 1.019

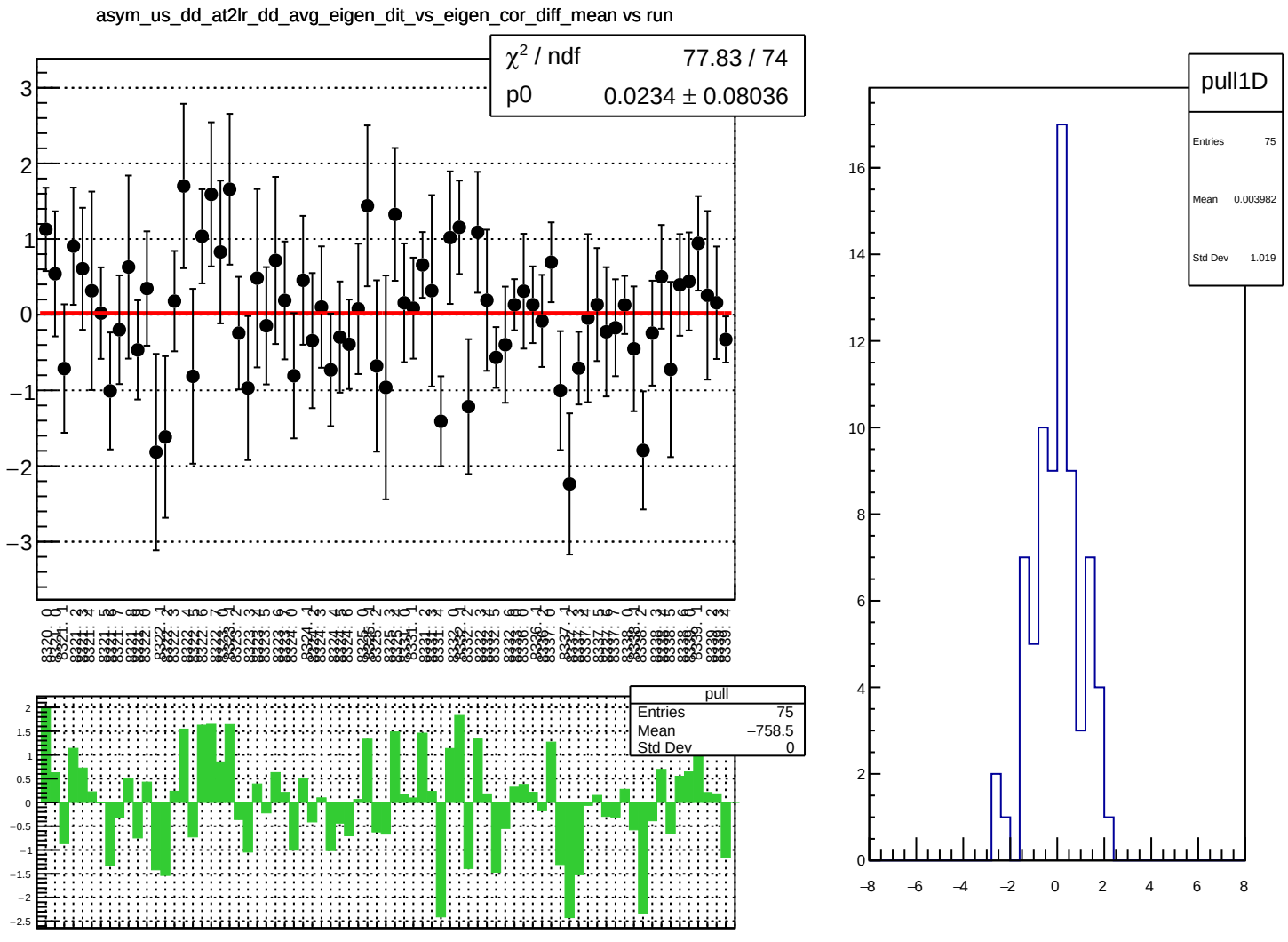

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.359e+05 / 74
p0 65.87 ± 0.05682
140
120
100
80
60
40

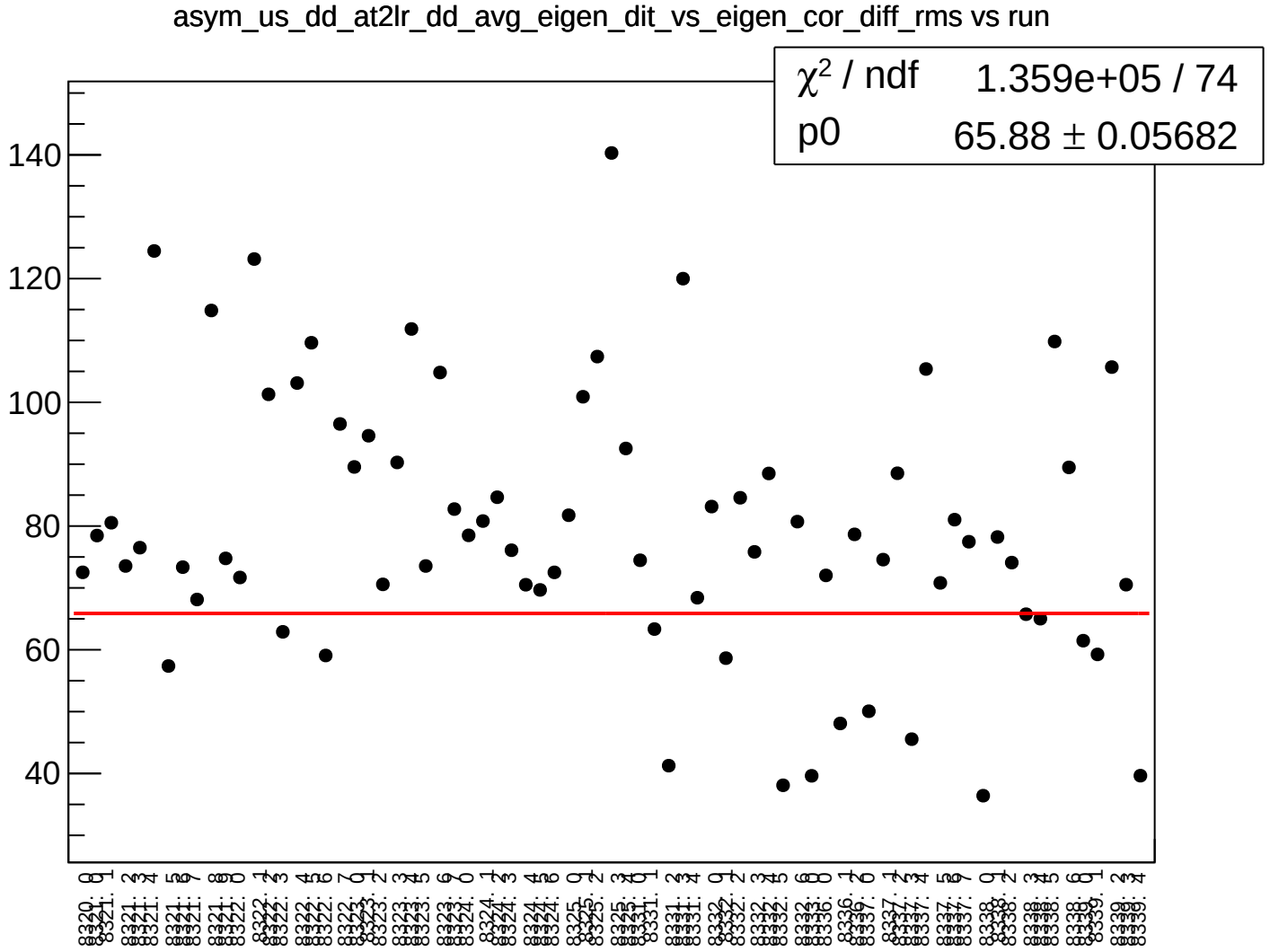

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 82.16 / 74
p0 3.732e−05 ± 2.825e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean 250.5
Std Dev 0
pull1D
Entries 75
Mean 0.004275
Std Dev 1.047

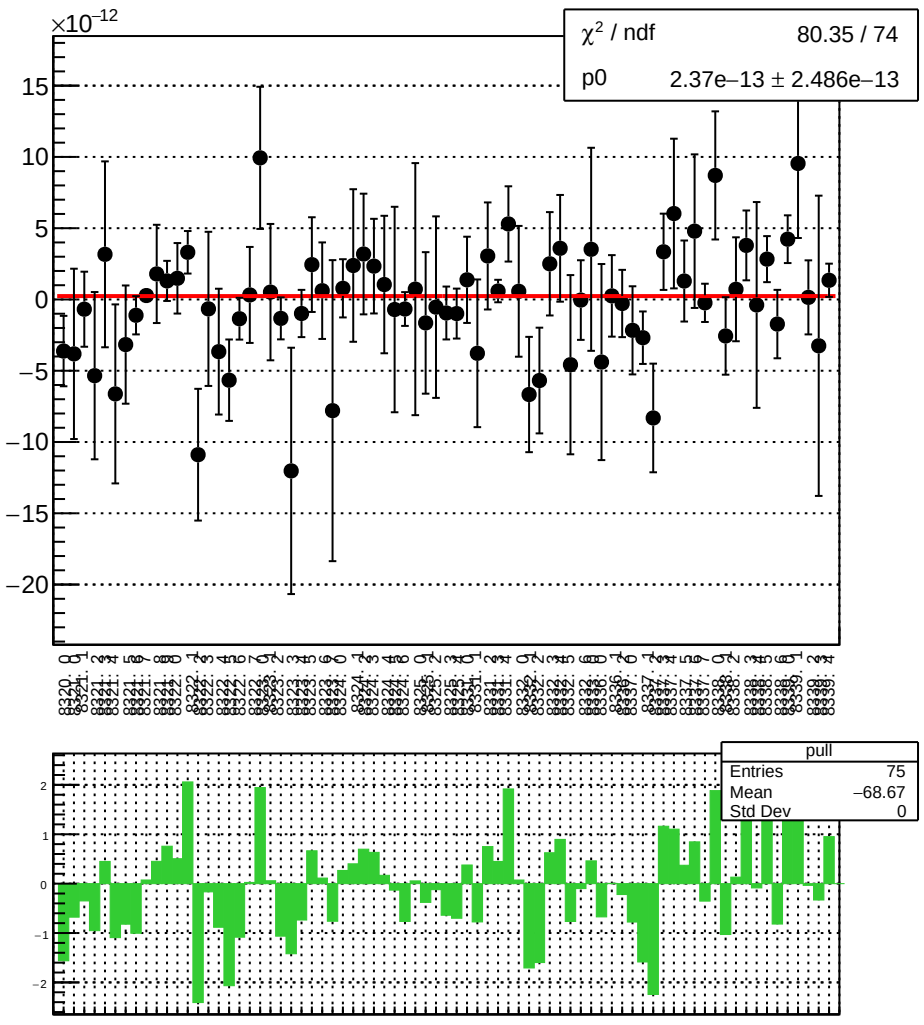

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3582 / 74
p0 0.02428 ± 1.998e−05
0.028
0.027
0.026
0.025
0.024
0.023
0.022

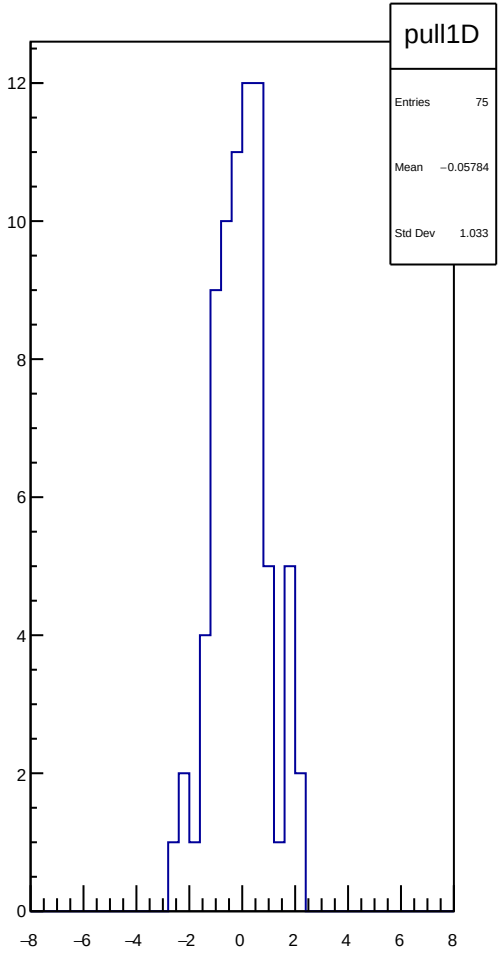

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.83 / 74
p0 0.0234 ± 0.08036
pull
Entries 75
Mean −758.5
Std Dev 0
pull1D
Entries 75
Mean 0.003982
Std Dev 1.019

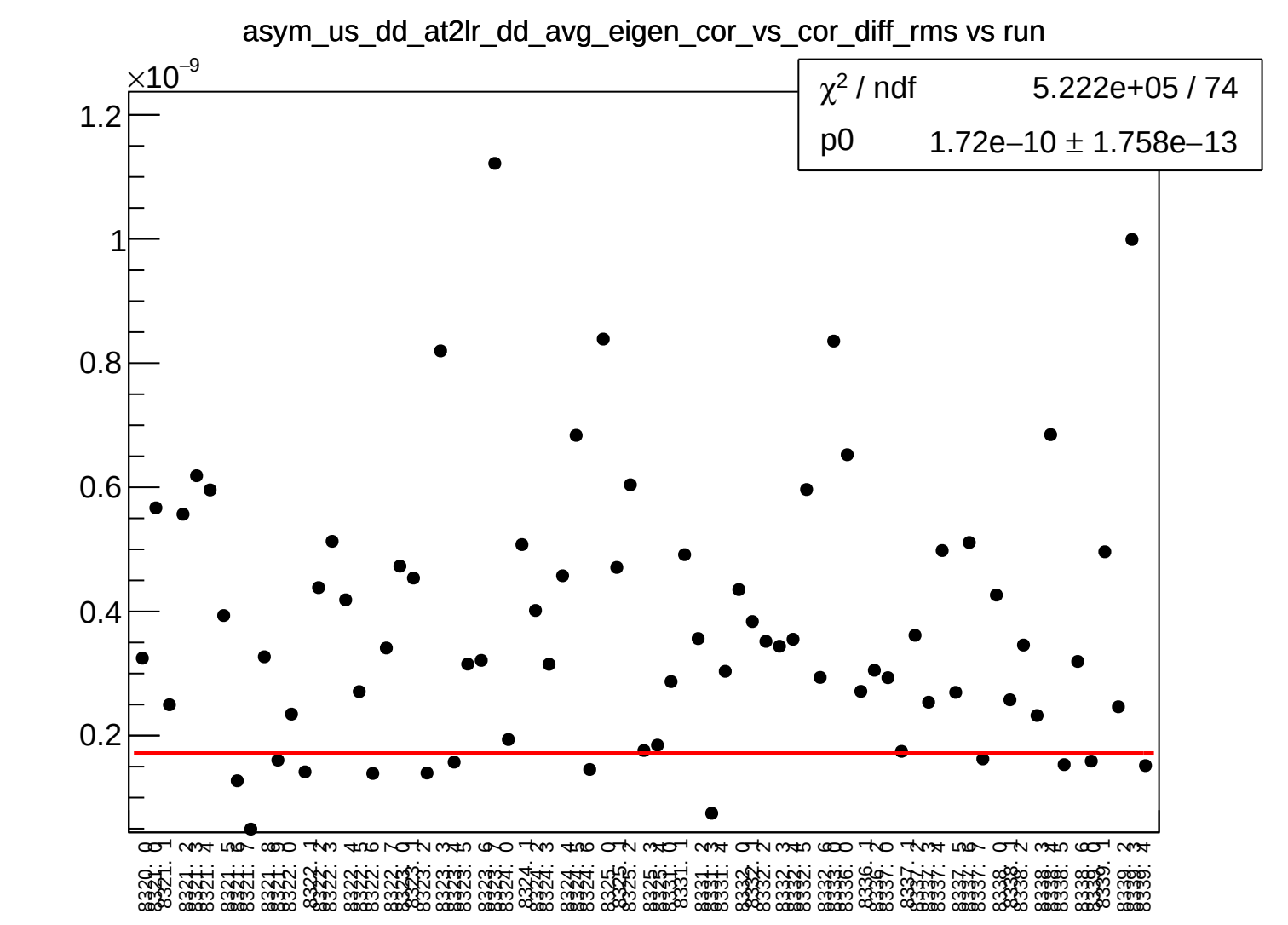

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.359e+05 / 74
p0 65.88 ± 0.05682
140
120
100
80
60
40

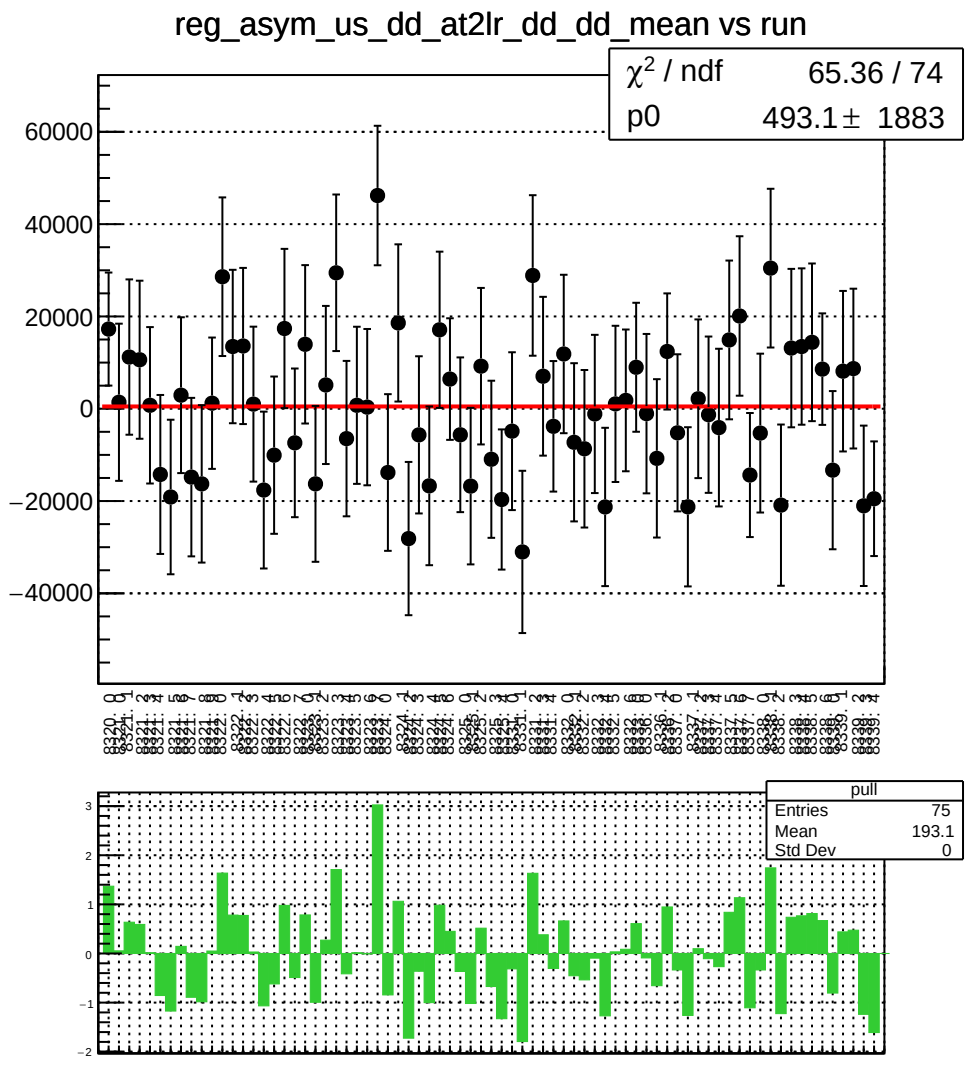

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.83 / 74
p0 0.0234 ± 0.08036
pull
Entries 75
Mean −758.5
Std Dev 0
pull1D
Entries 75
Mean 0.003982
Std Dev 1.019

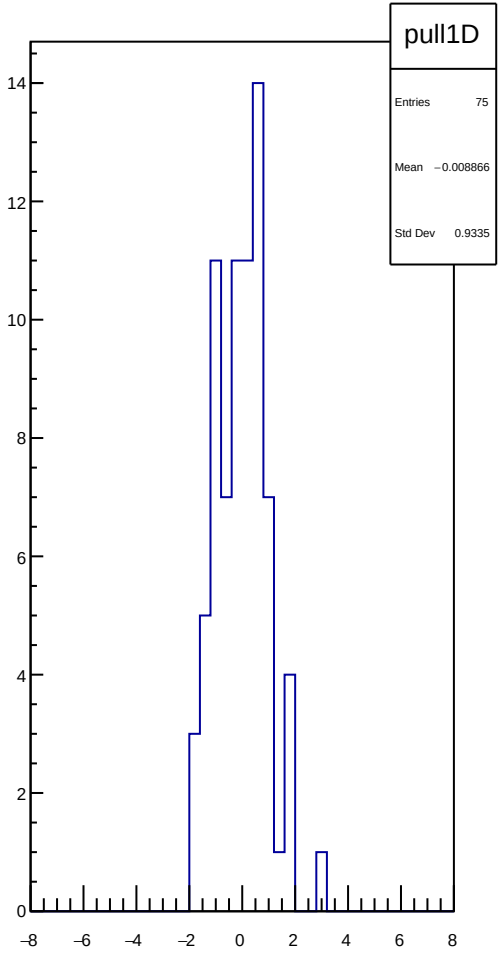

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.359e+05 / 74
p0 65.88 ± 0.05682
140
120
100
80
60
40

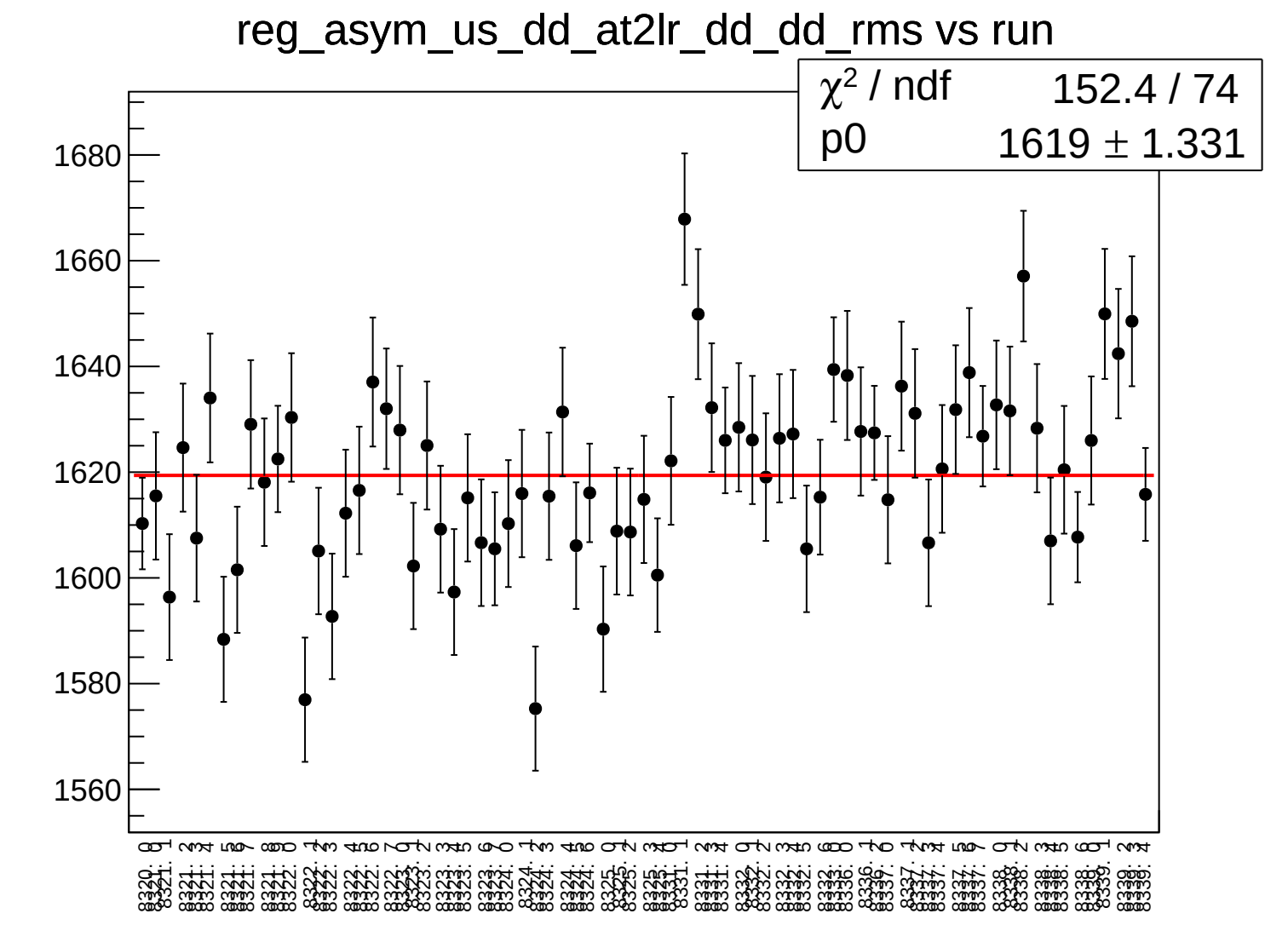

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.35 / 74
p0 2.37e−13 ± 2.486e−13
pull
Entries 75
Mean −68.67
Std Dev 0

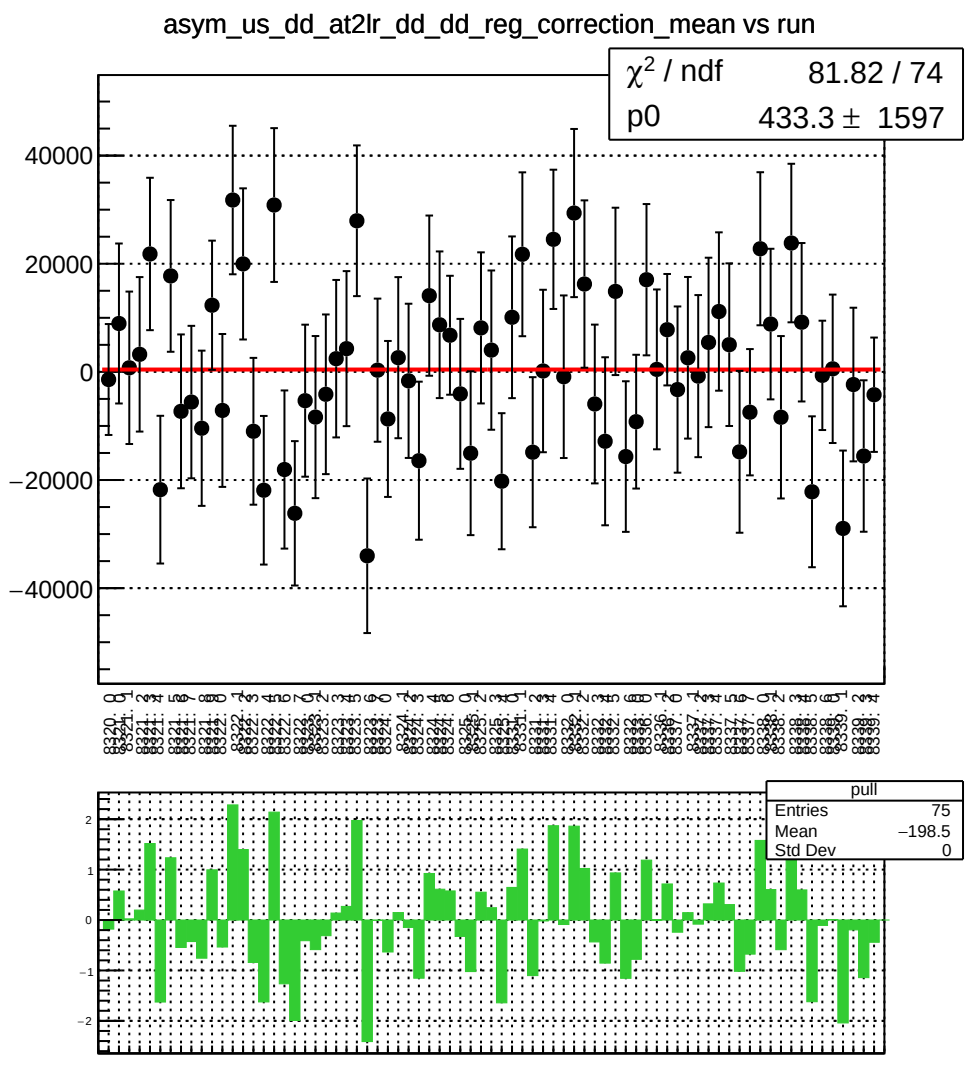

pull1D
Entries 75
Mean −0.05784
Std Dev 1.033

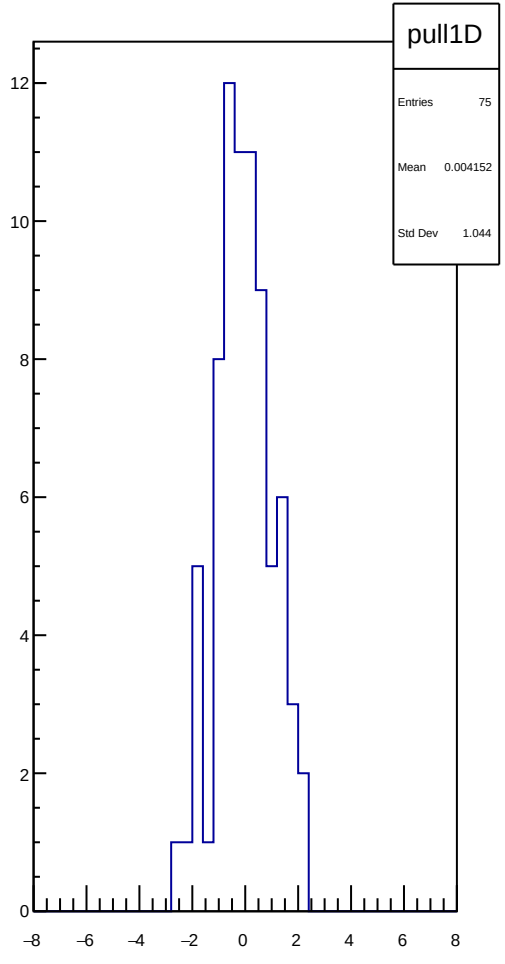

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.222e+05 / 74
p0 1.72e−10 ± 1.758e−13
1.2
1
0.8
0.6
0.4
0.2

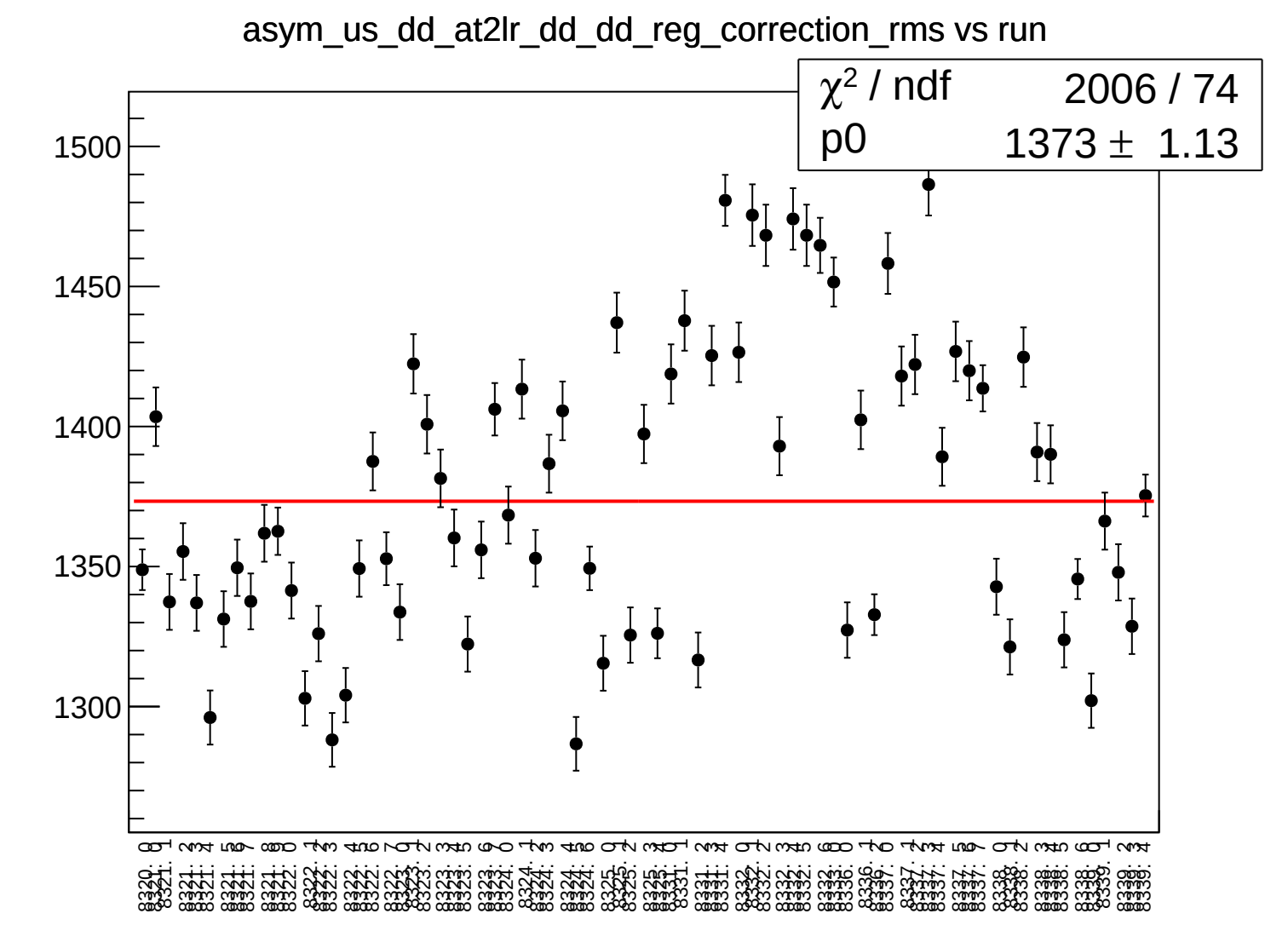

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 65.36 / 74
p0 493.1 ± 1883
pull
Entries 75
Mean 193.1
Std Dev 0

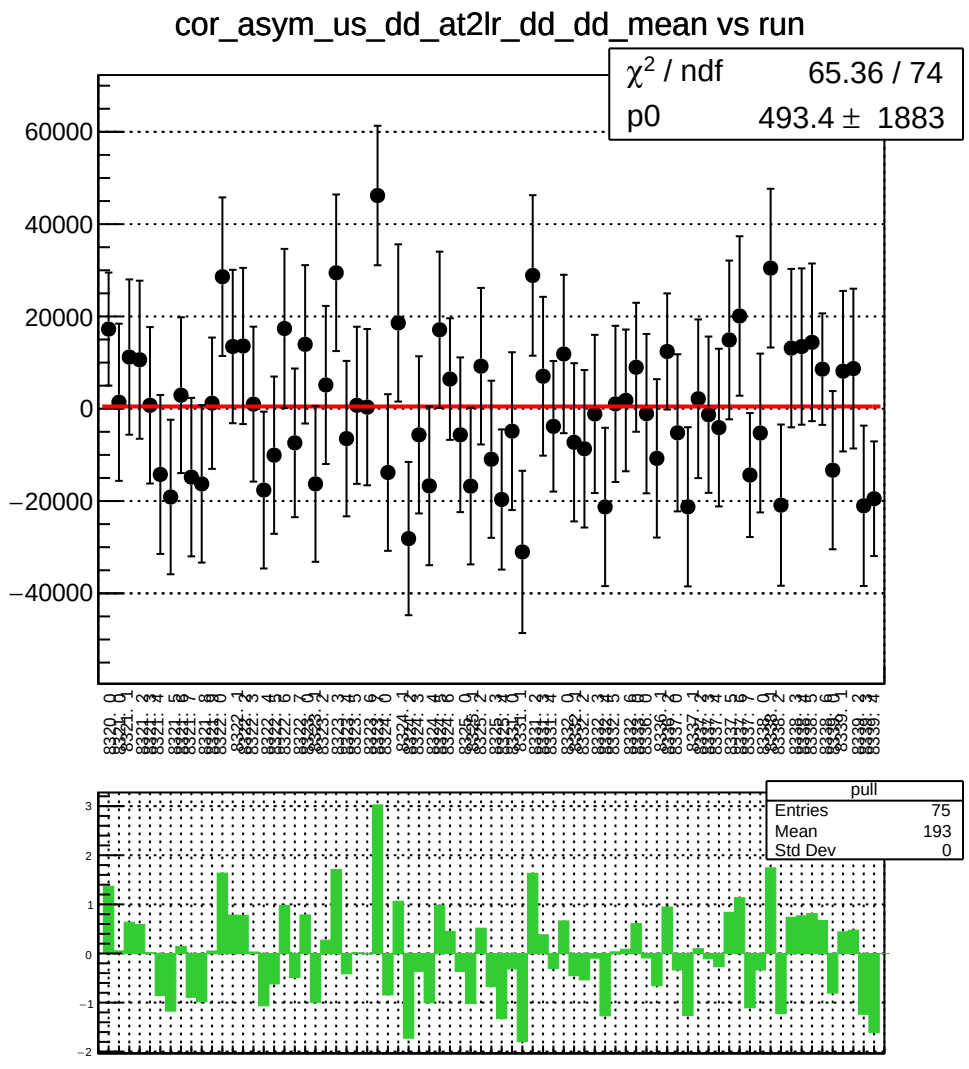

pull1D
Entries 75
Mean −0.008866
Std Dev 0.9335

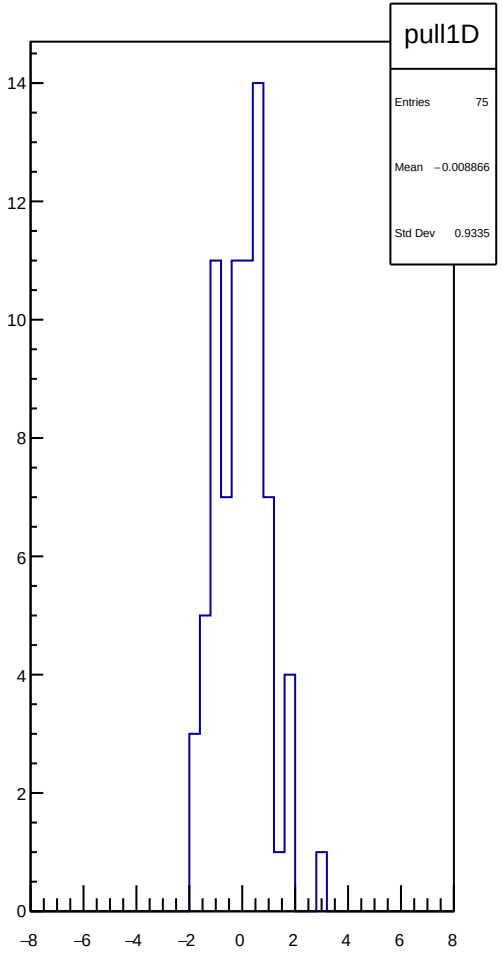

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 152.4 / 74
p0 1619 ± 1.331
1680
1660
1640
1620
1600
1580
1560

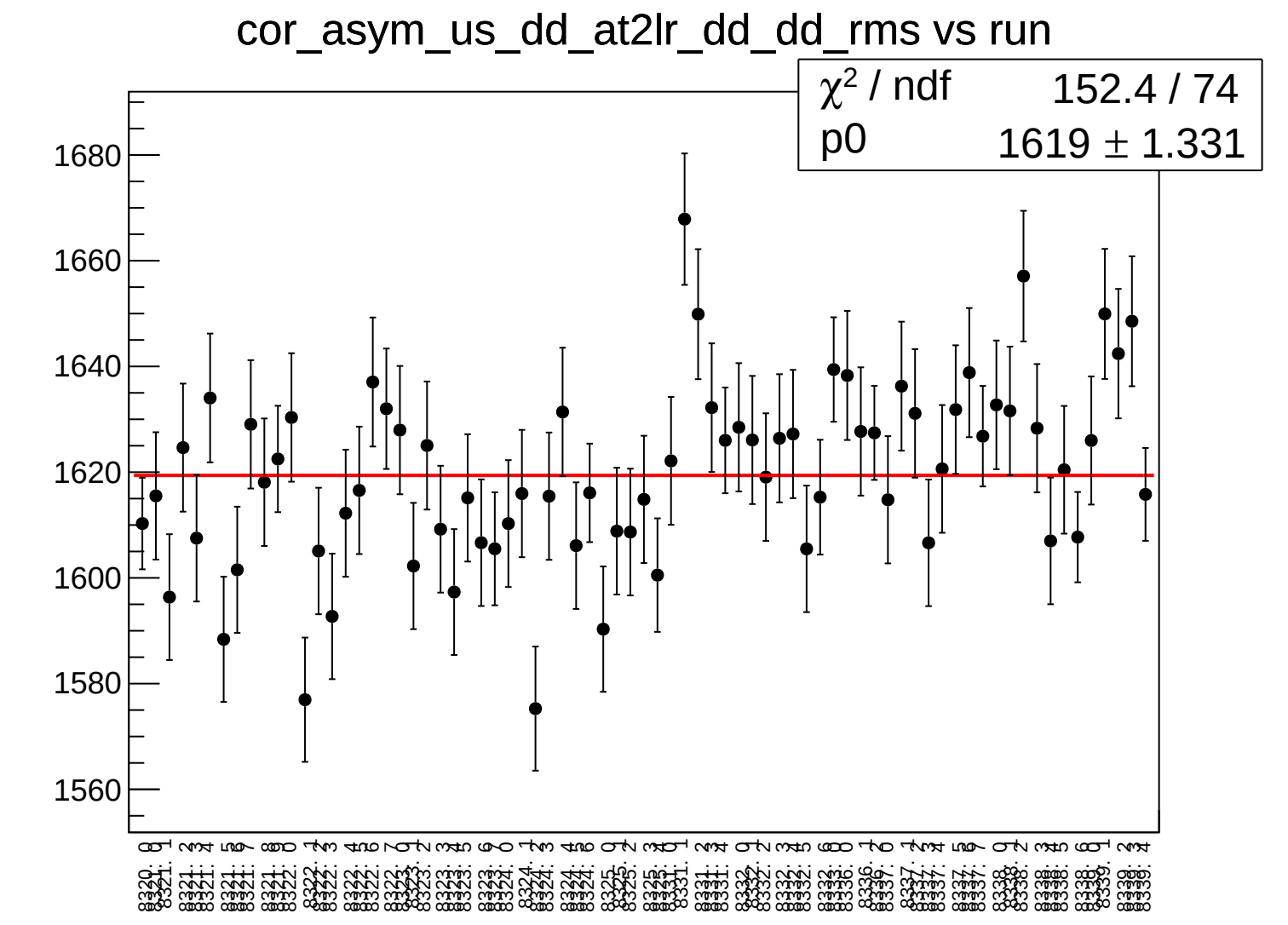

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 81.82 / 74
p0 433.3 ± 1597
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −198.5
Std Dev 0
2
1
0
−1
−2

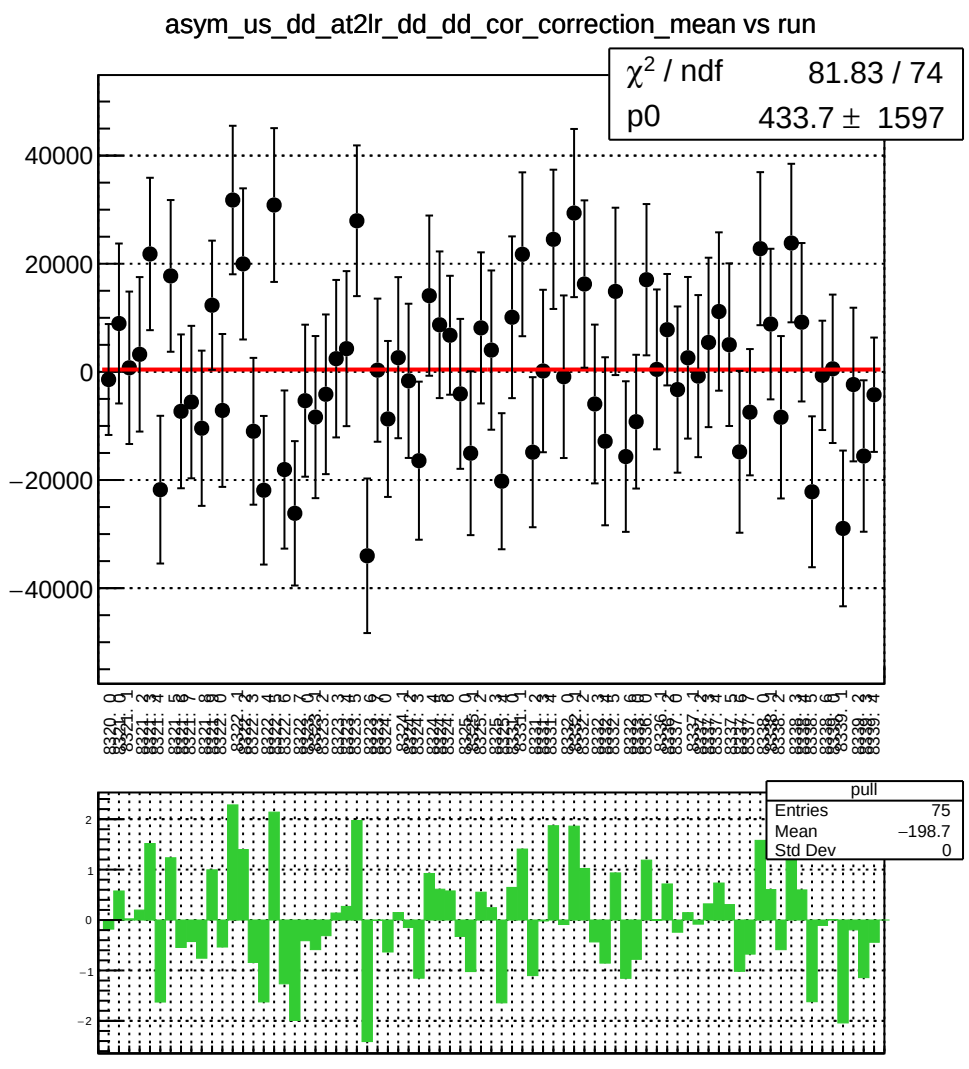

pull1D
Entries 75
Mean 0.004152
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

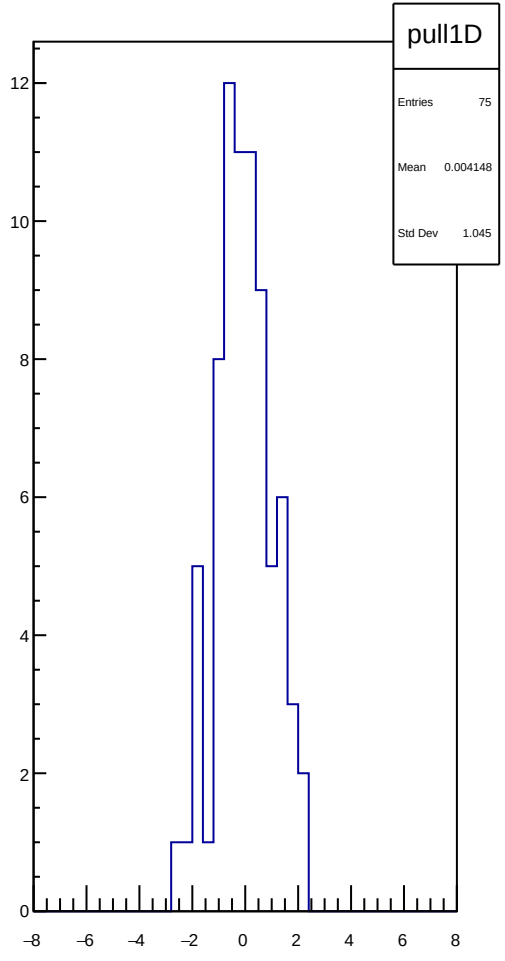

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2006 / 74
p0 1373 ± 1.13
1500
1450
1400
1350
1300

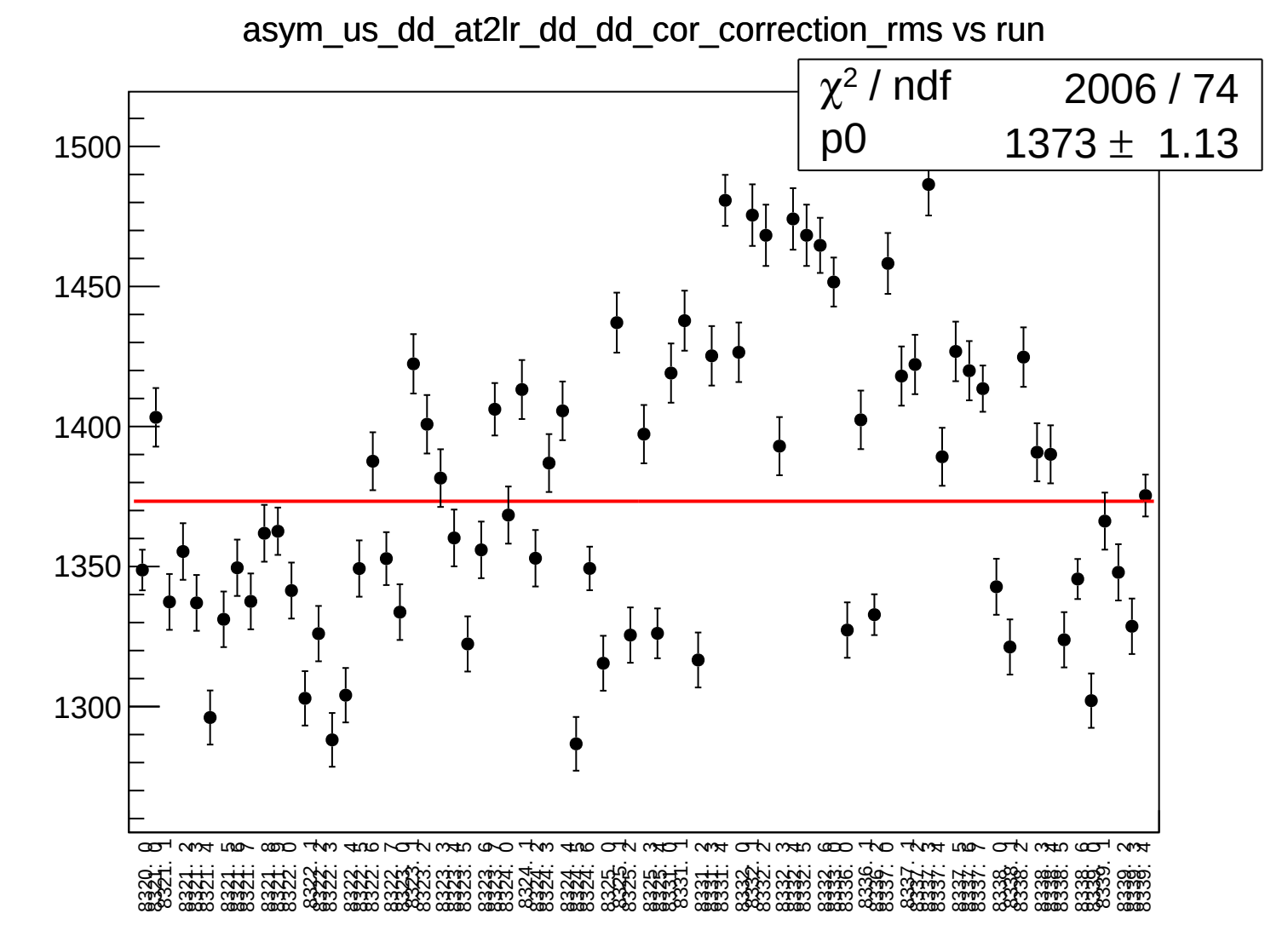

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 65.36 / 74
p0 493.4 ± 1883
pull
Entries 75
Mean 193
Std Dev 0

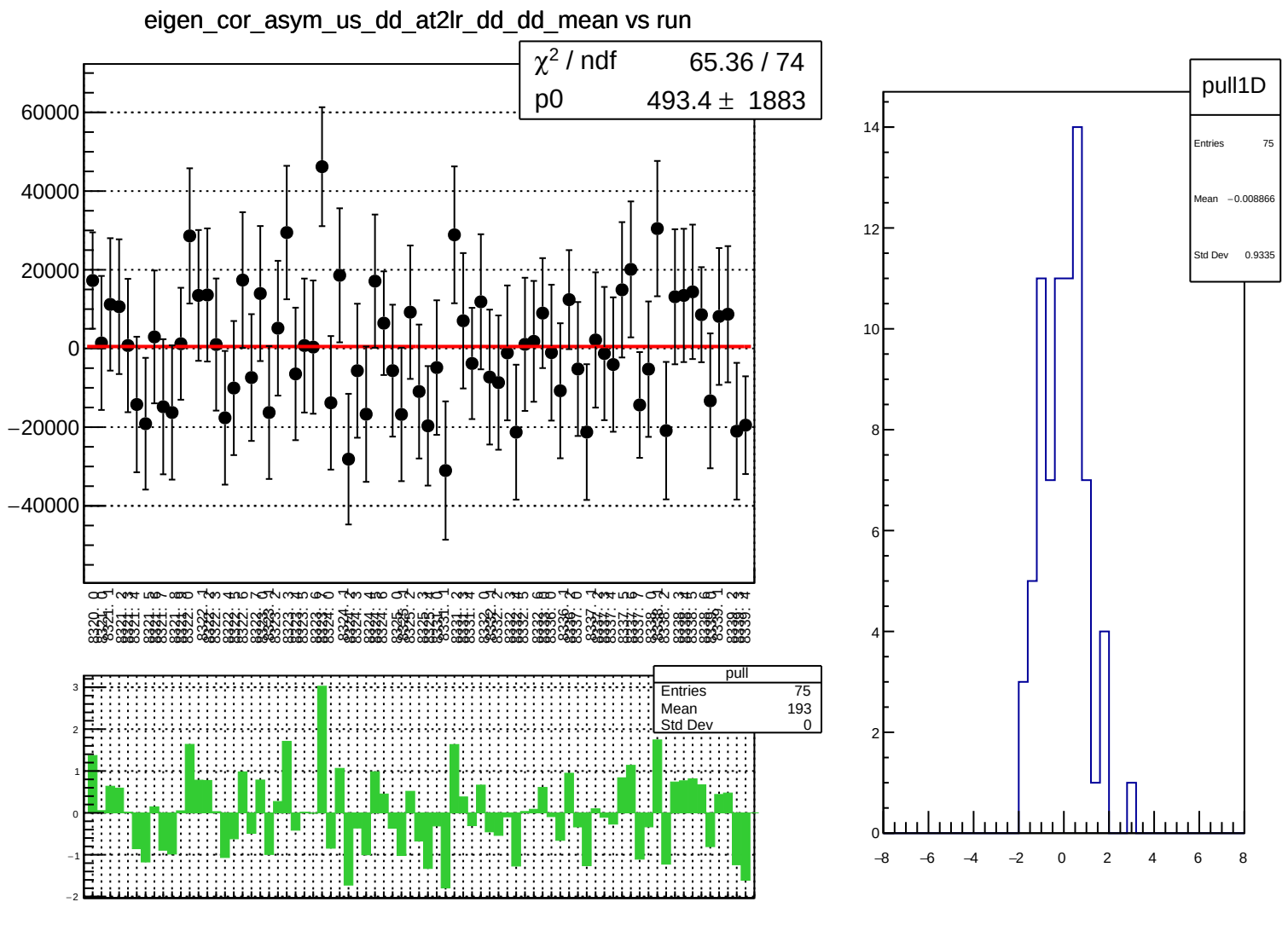

pull1D
Entries 75
Mean −0.008866
Std Dev 0.9335

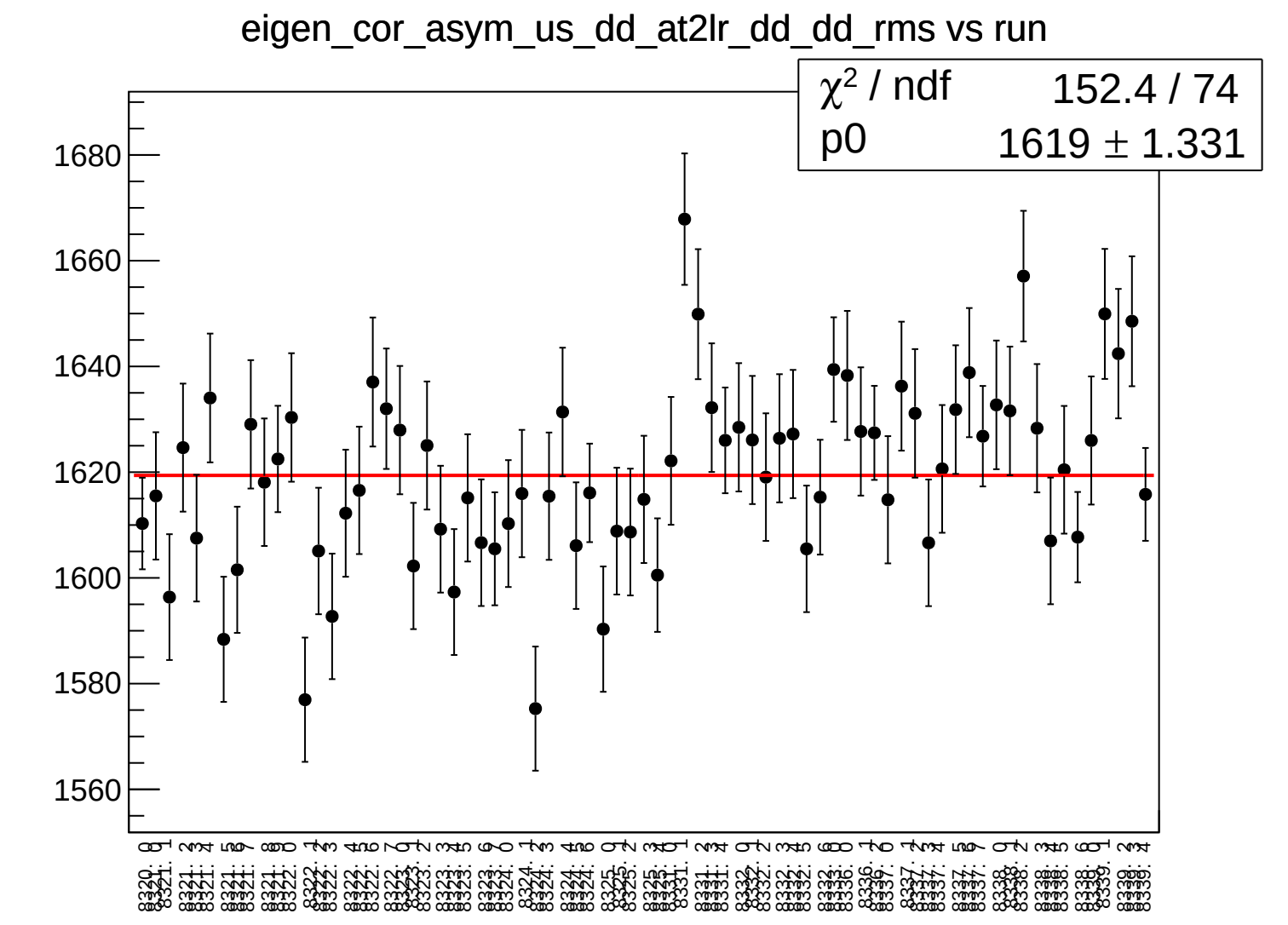

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 152.4 / 74
p0 1619 ± 1.331
1680
1660
1640
1620
1600
1580
1560

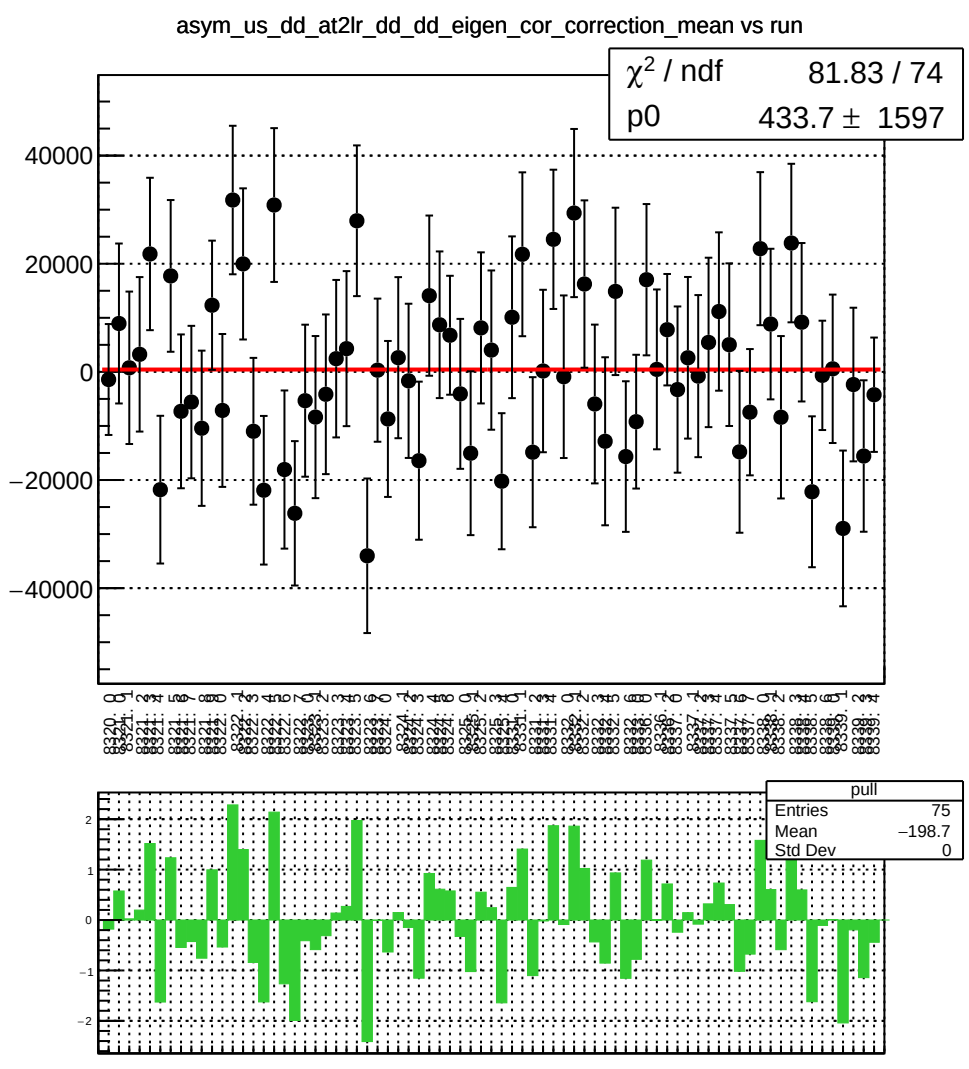

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 81.83 / 74
p0 433.7 ± 1597
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −198.7
Std Dev 0
2
1
0
−1
−2

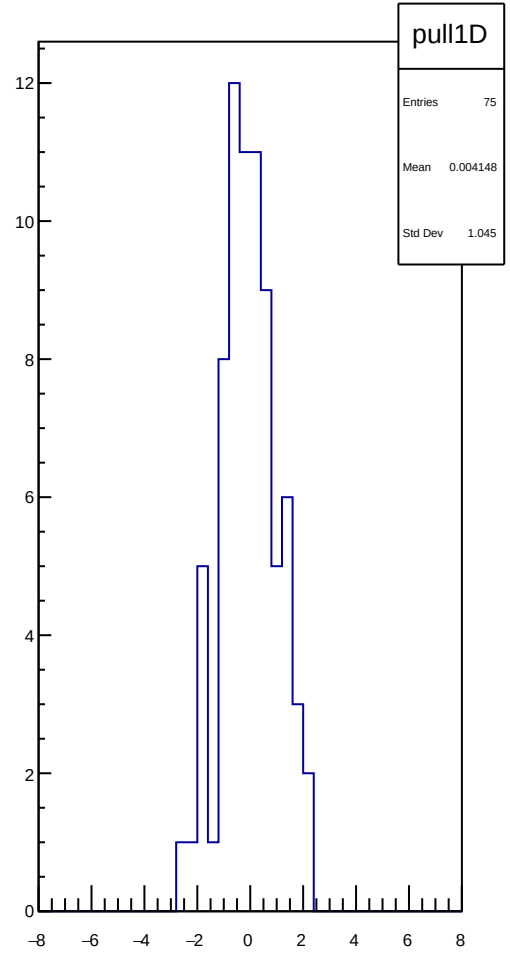

pull1D
Entries 75
Mean 0.004148
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

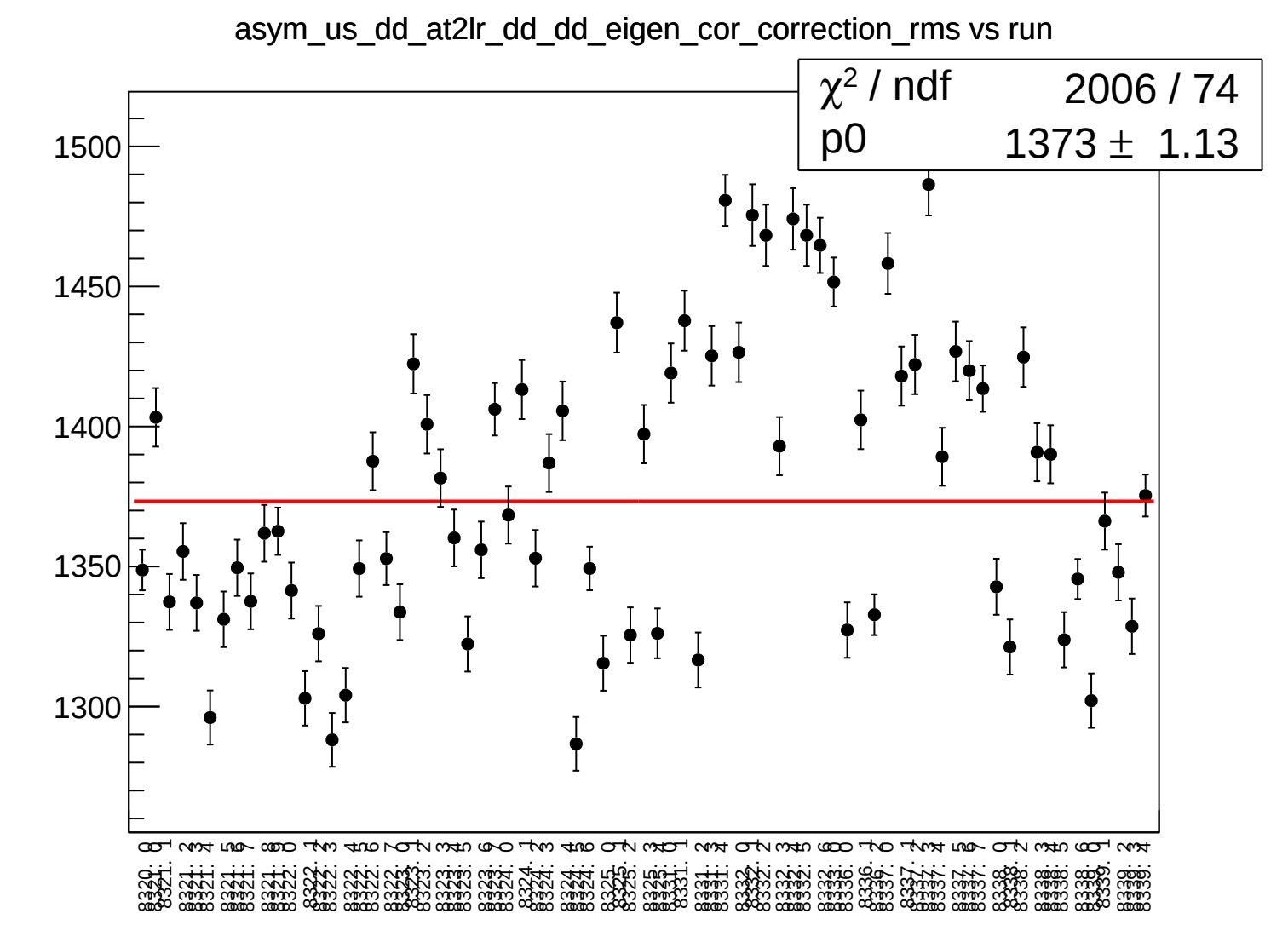

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2006 / 74
p0 1373 ± 1.13
1500
1450
1400
1350
1300

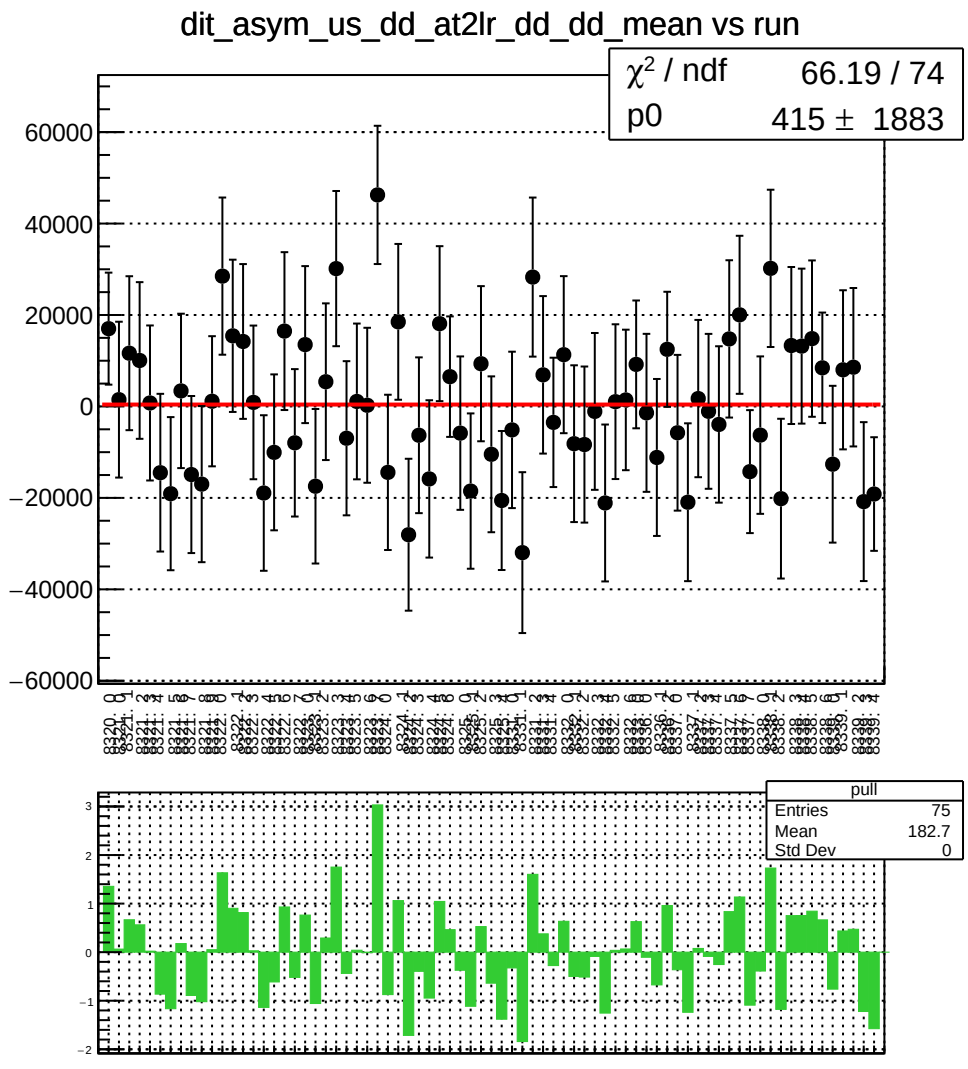

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 65.36 / 74
p0 493.4 ± 1883
60000
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 193
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.008866
Std Dev 0.9335
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

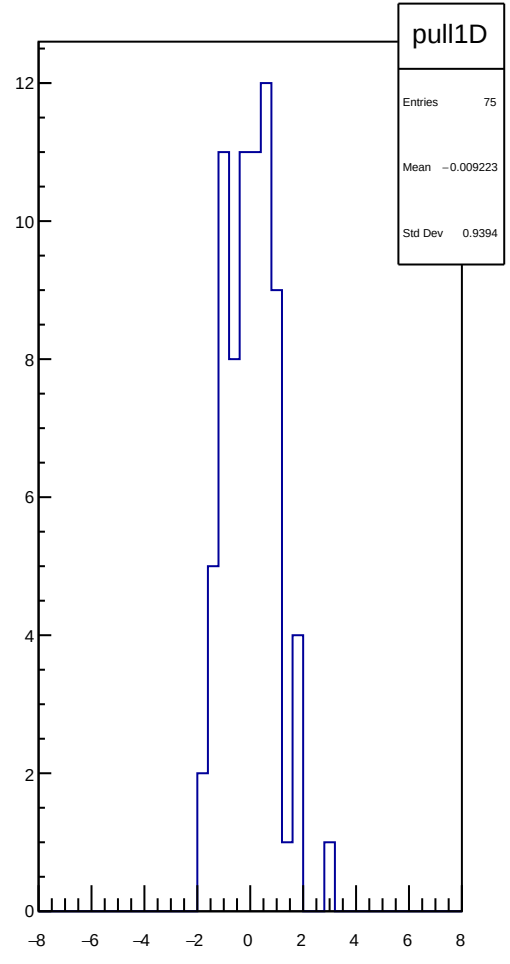

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 152.4 / 74
p0 1619 ± 1.331
1680
1660
1640
1620
1600
1580
1560

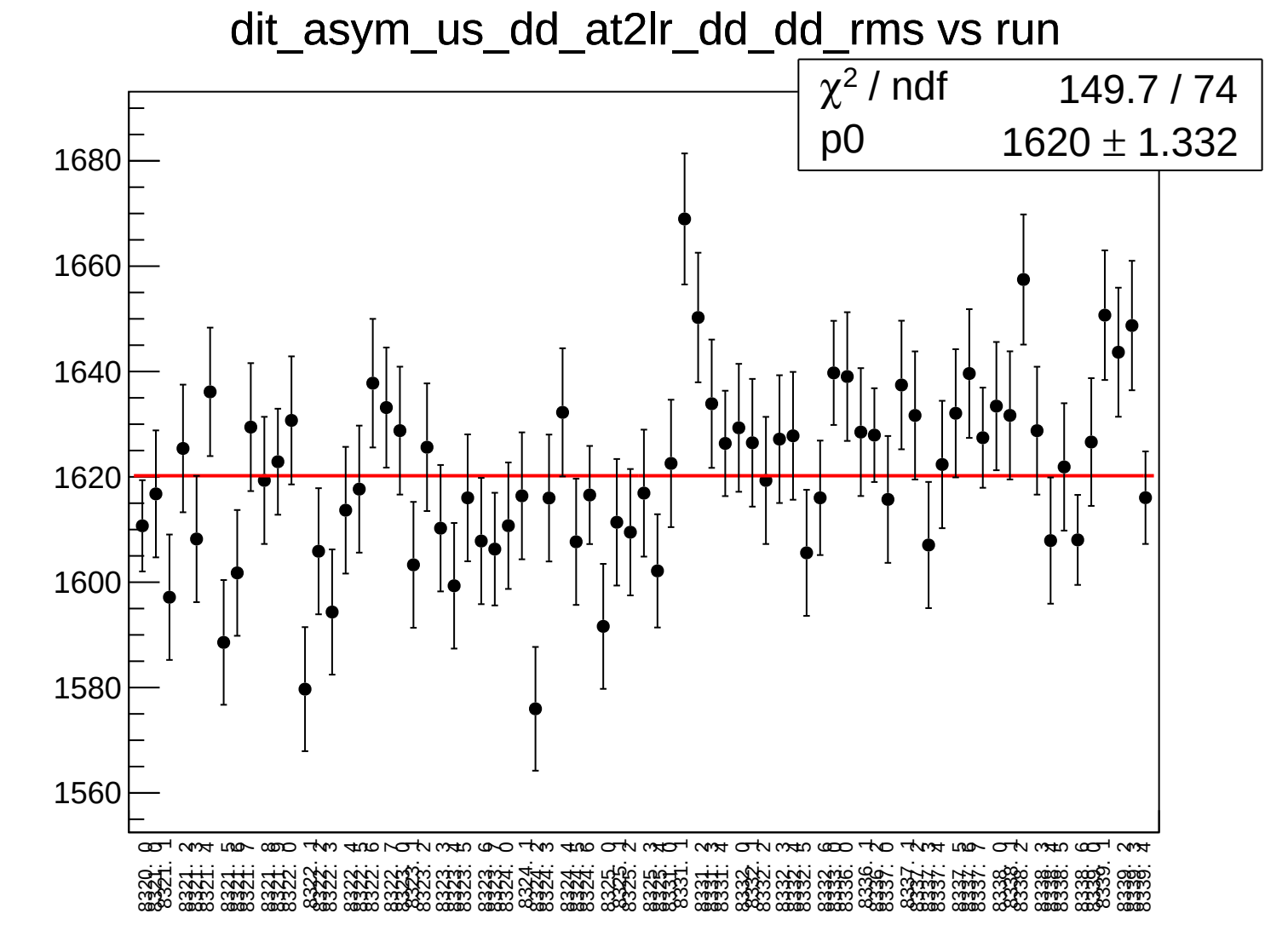

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.83 / 74
p0 433.7 ± 1597
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −198.7
Std Dev 0
2
1
0
−1
−2

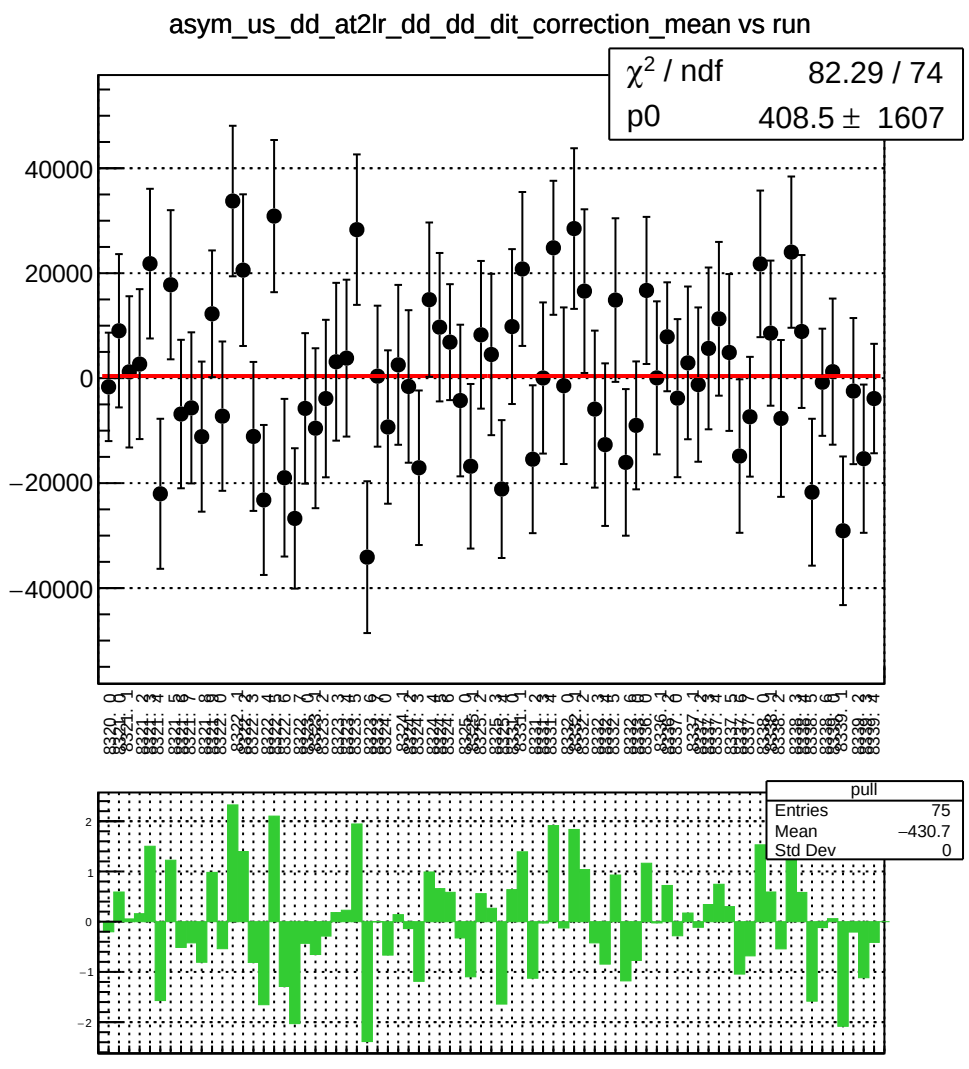

pull1D
Entries 75
Mean 0.004148
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

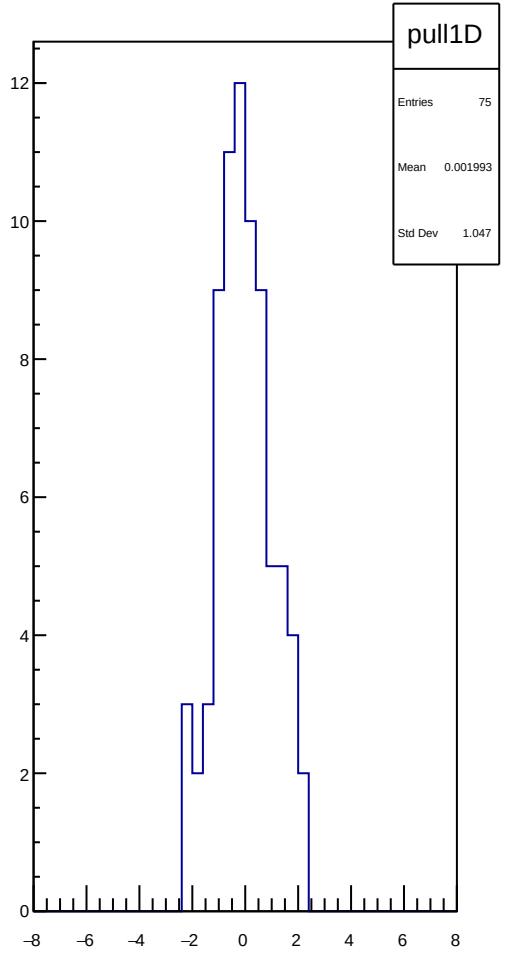

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2006 / 74
p0 1373 ± 1.13
1500
1450
1400
1350
1300

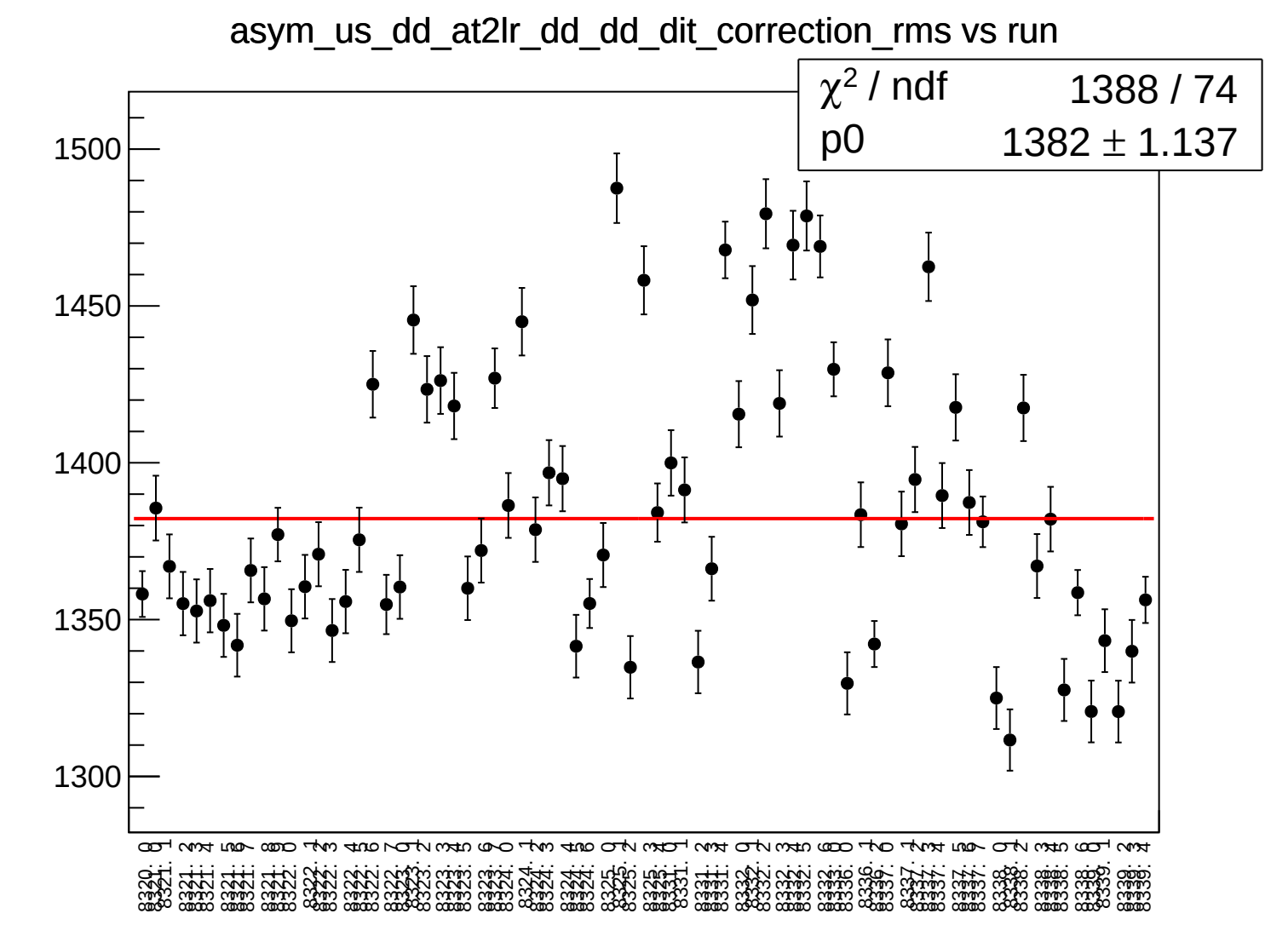

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.19 / 74
p0 415 ± 1883
pull
Entries 75
Mean 182.7
Std Dev 0

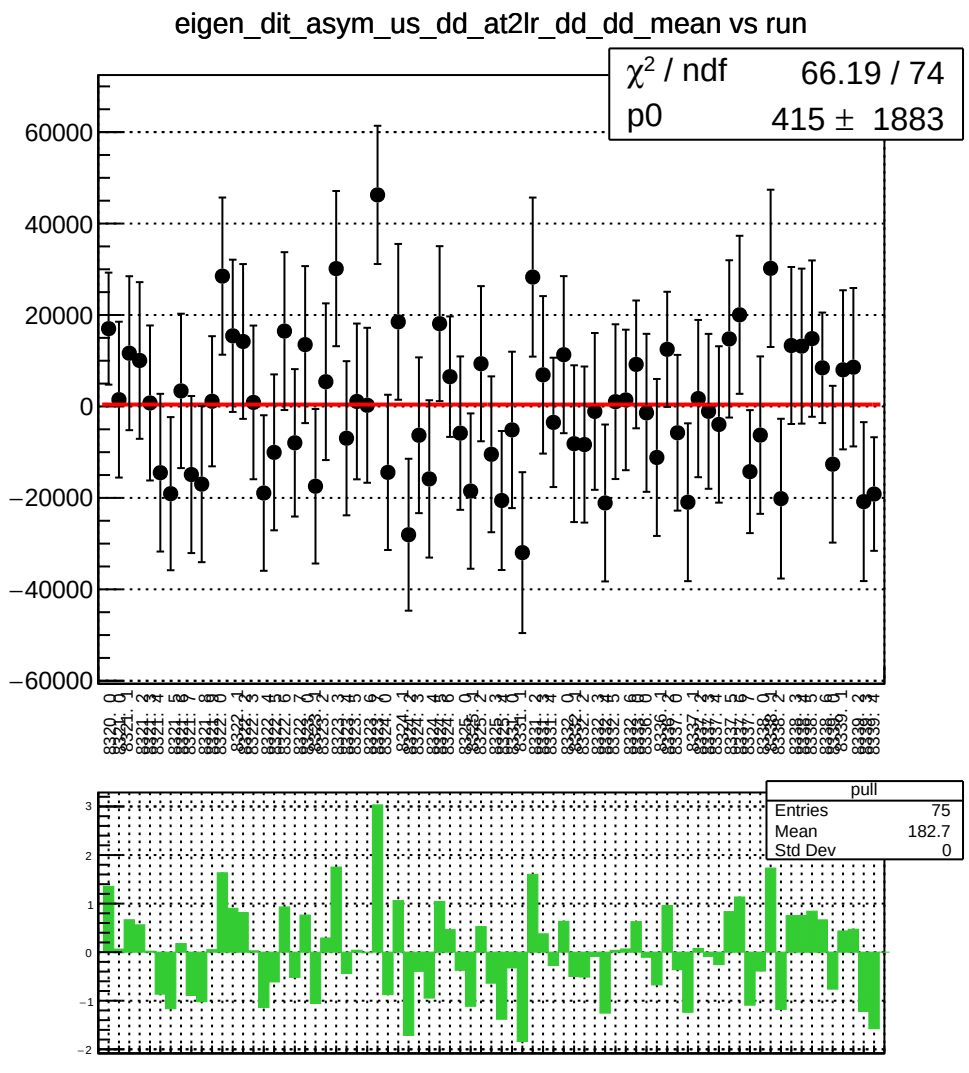

pull1D
Entries 75
Mean −0.009223
Std Dev 0.9394

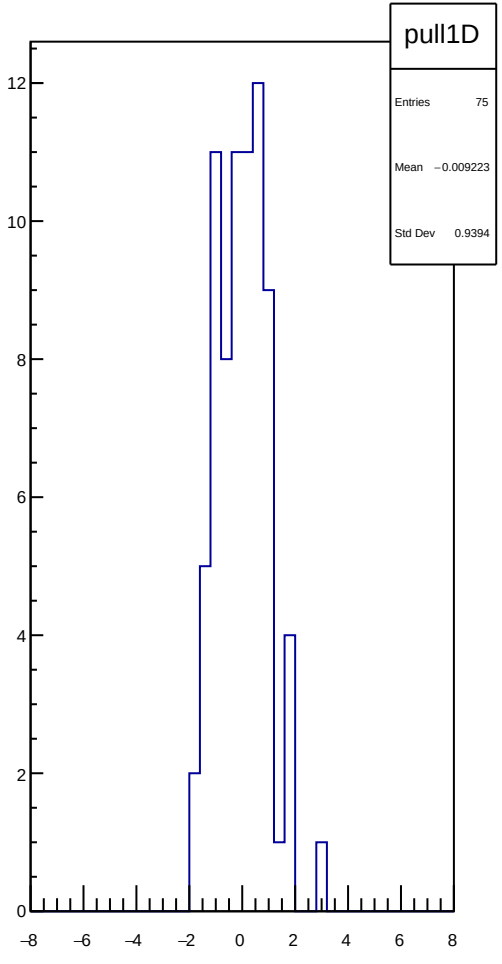

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 149.7 / 74
p0 1620 ± 1.332
1680
1660
1640
1620
1600
1580
1560

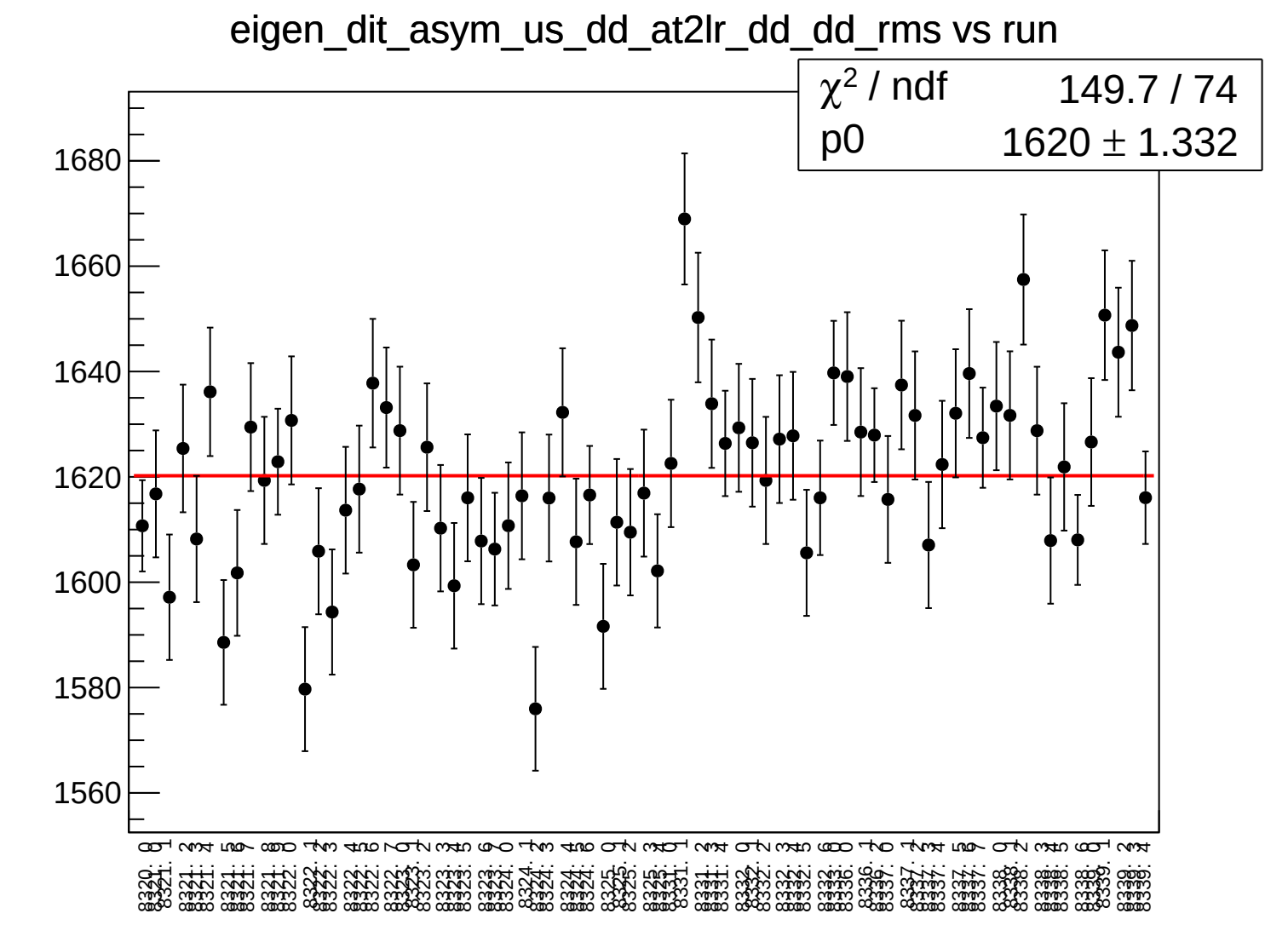

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 82.29 / 74
p0 408.5 ± 1607
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −430.7
Std Dev 0
2
1
0
−1
−2

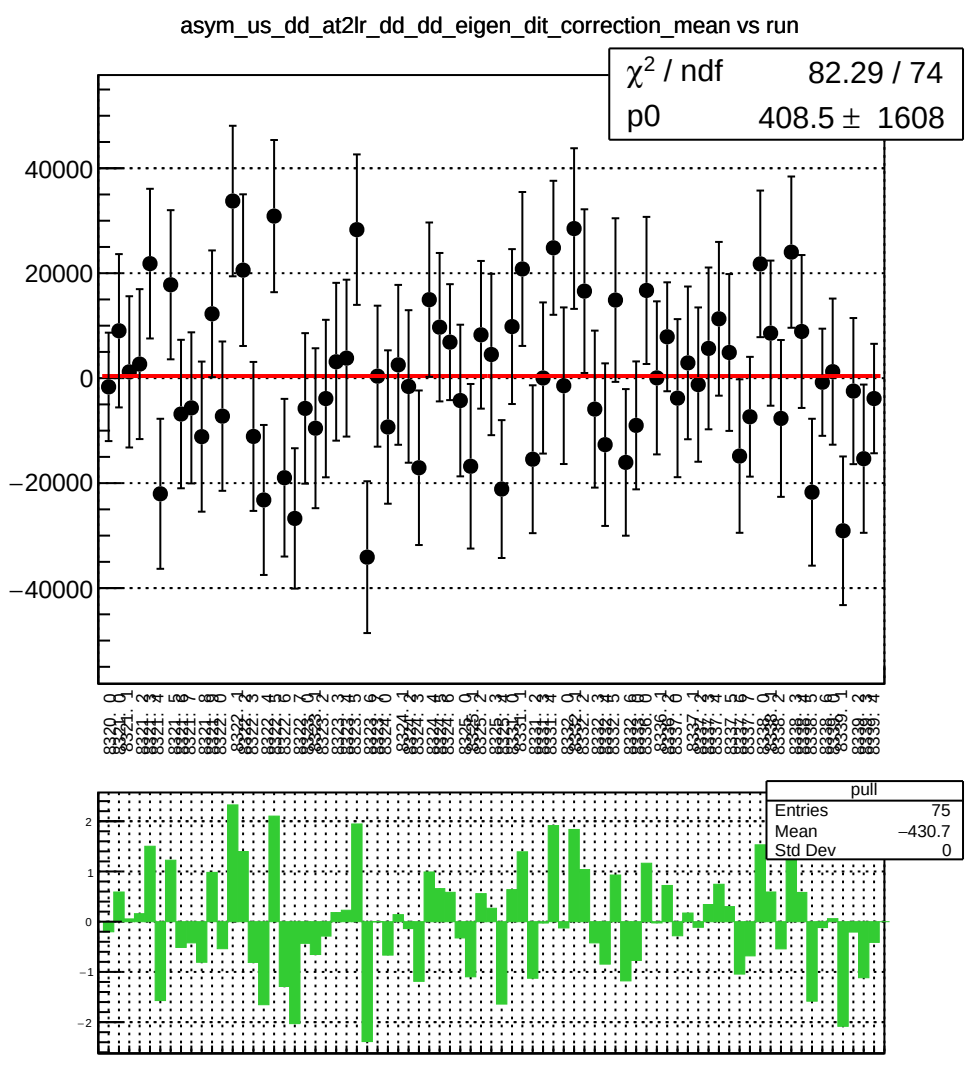

pull1D
Entries 75
Mean 0.001993
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

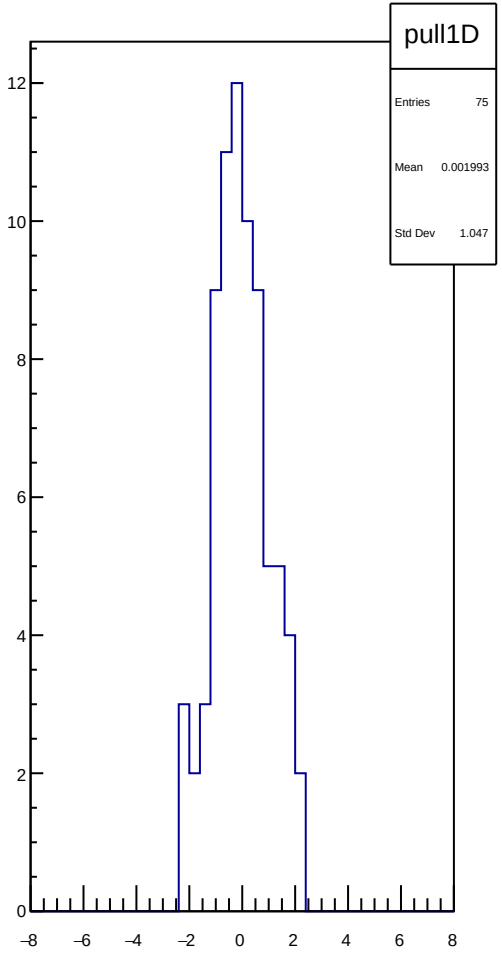

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1388 / 74
p0 1382 ± 1.137
1500
1450
1400
1350
1300

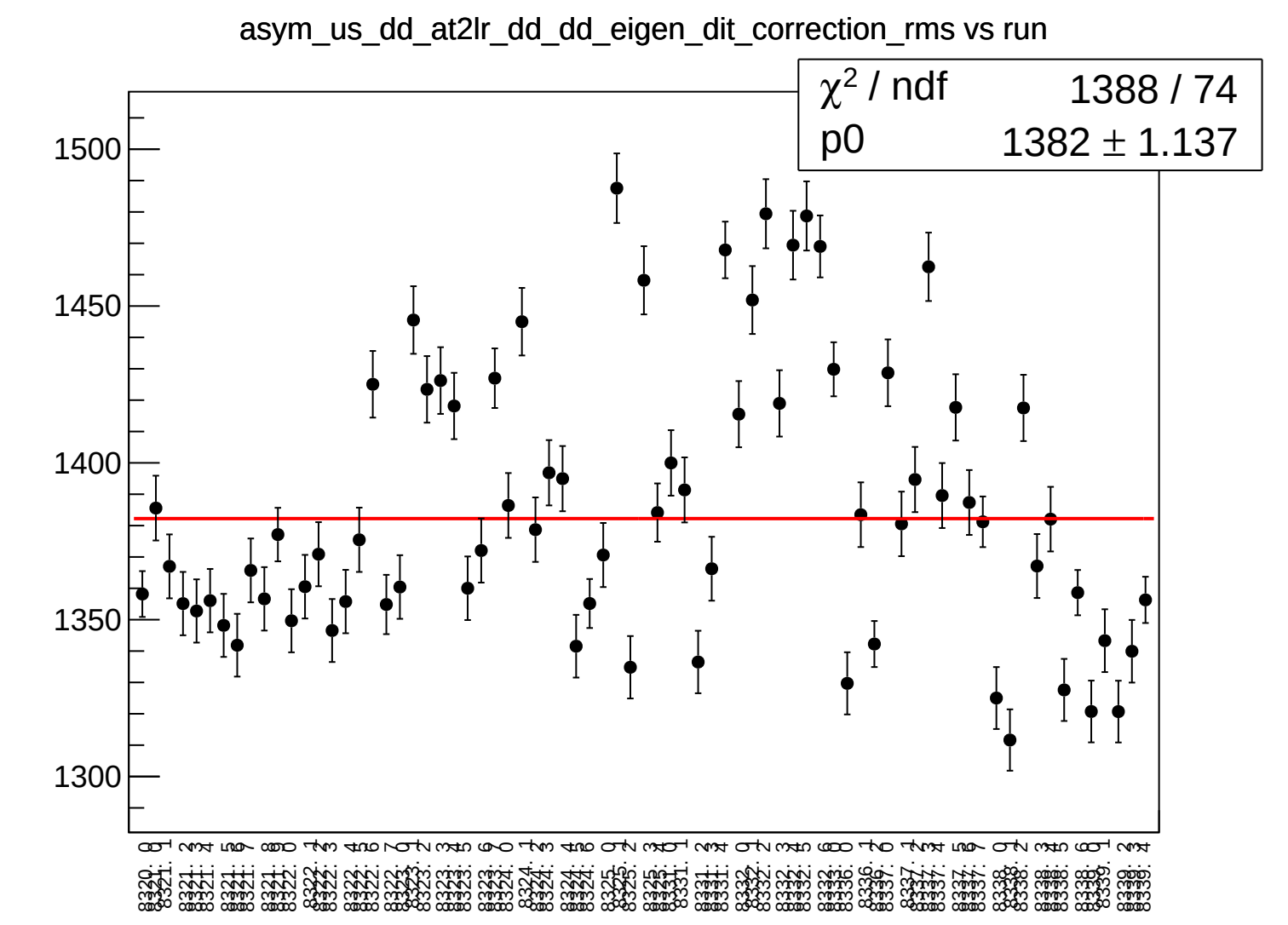

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 66.19 / 74
p0 415 ± 1883
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 182.7
Std Dev 0
3
2
1
0
−1
−2

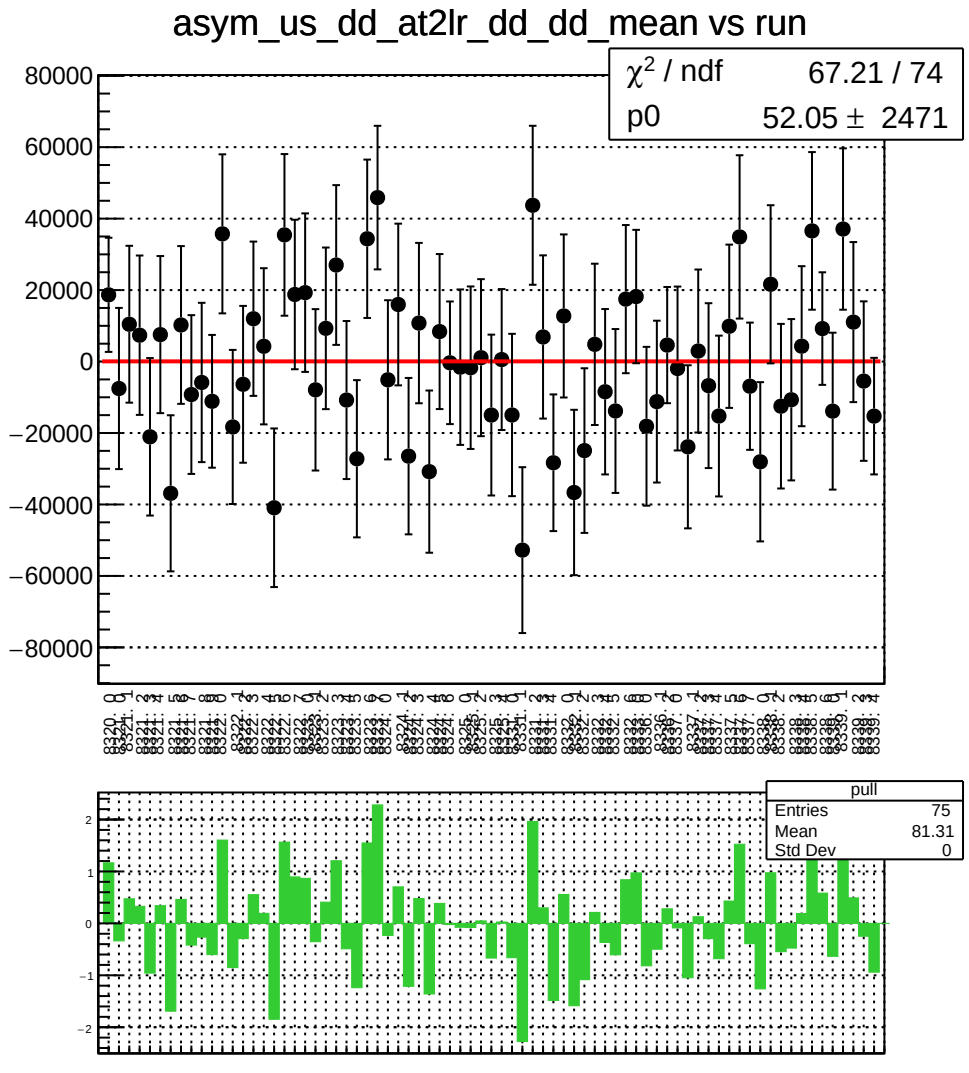

pull1D
Entries 75
Mean −0.009223
Std Dev 0.9394
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

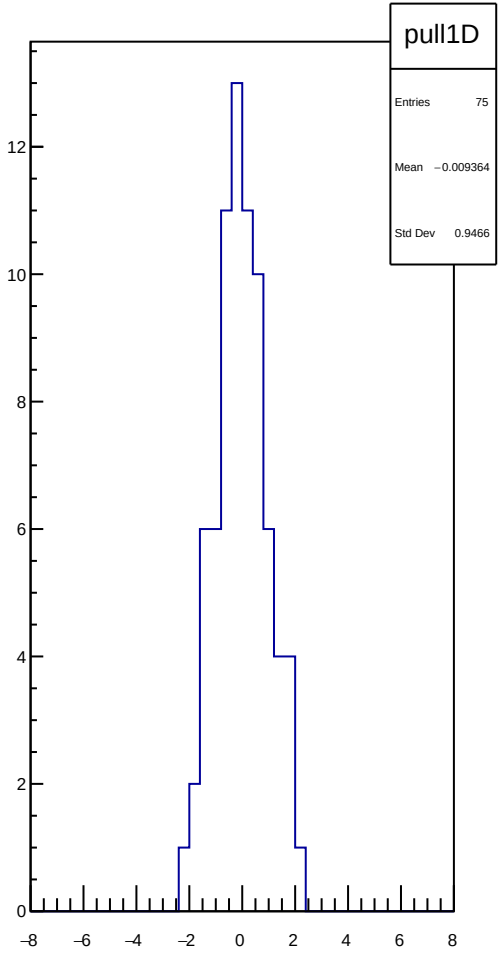

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 149.7 / 74
p0 1620 ± 1.332
1680
1660
1640
1620
1600
1580
1560

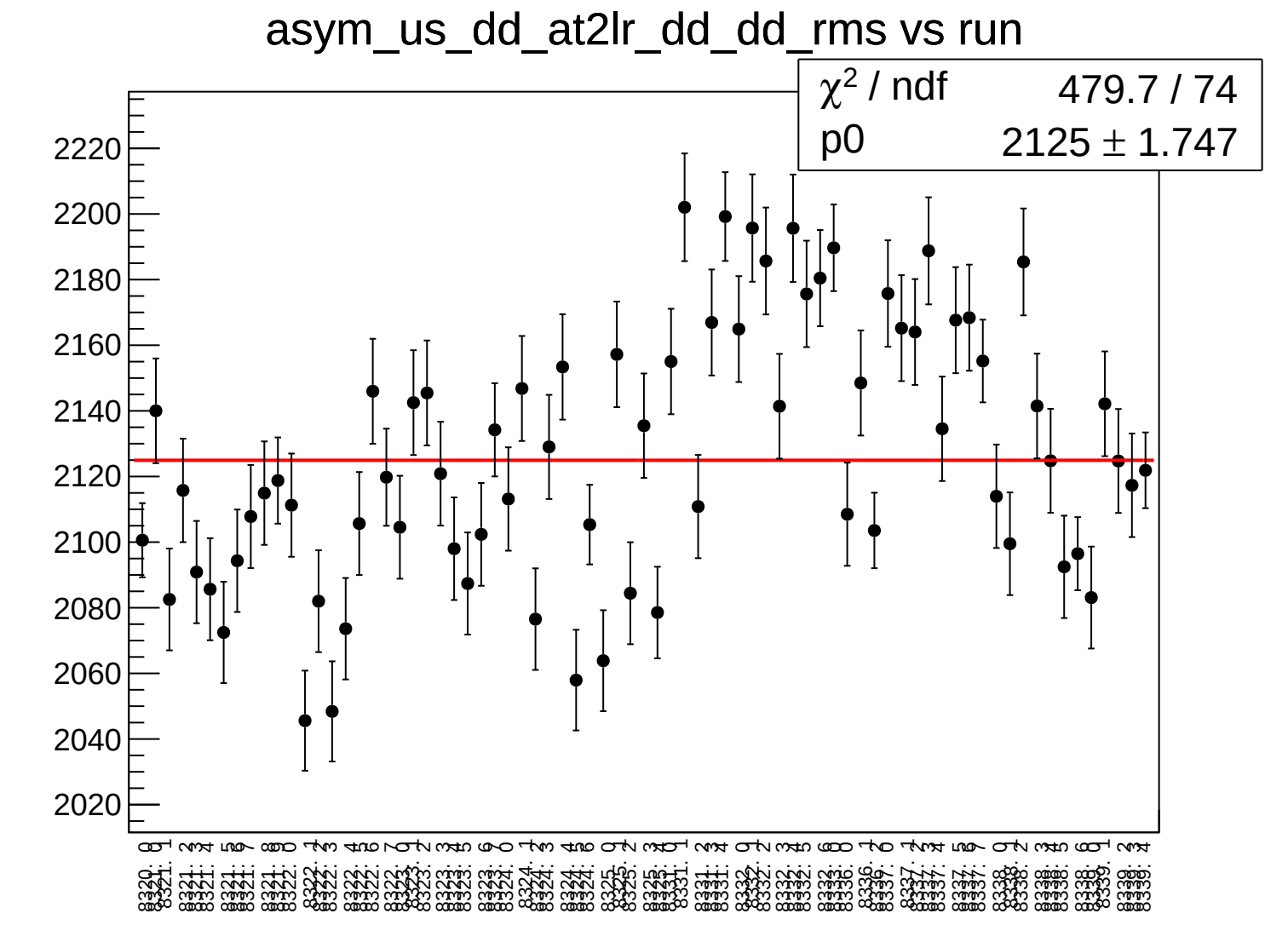

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 82.29 / 74
p0 408.5 ± 1608
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −430.7
Std Dev 0
2
1
0
−1
−2

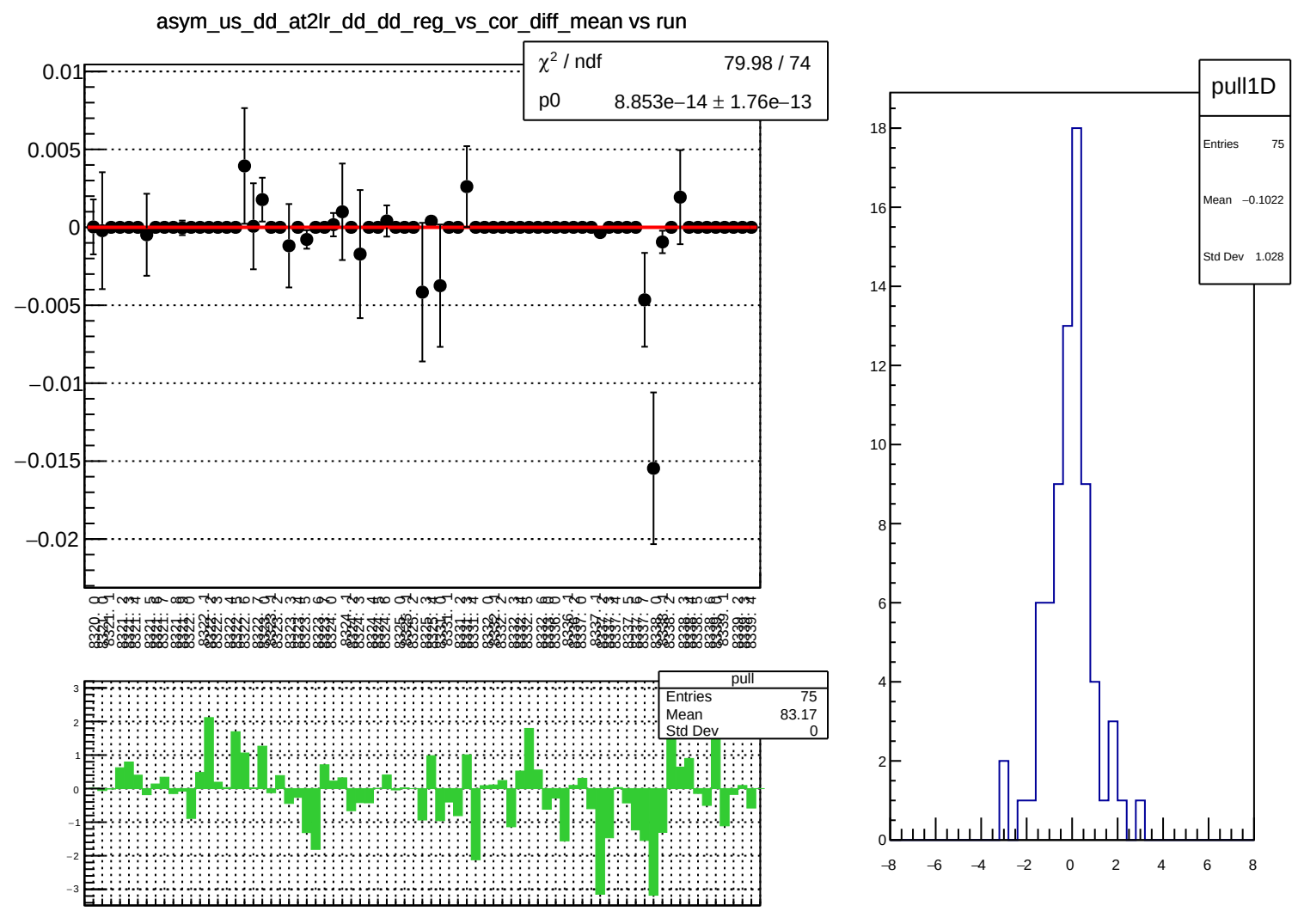

pull1D
Entries 75
Mean 0.001993
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

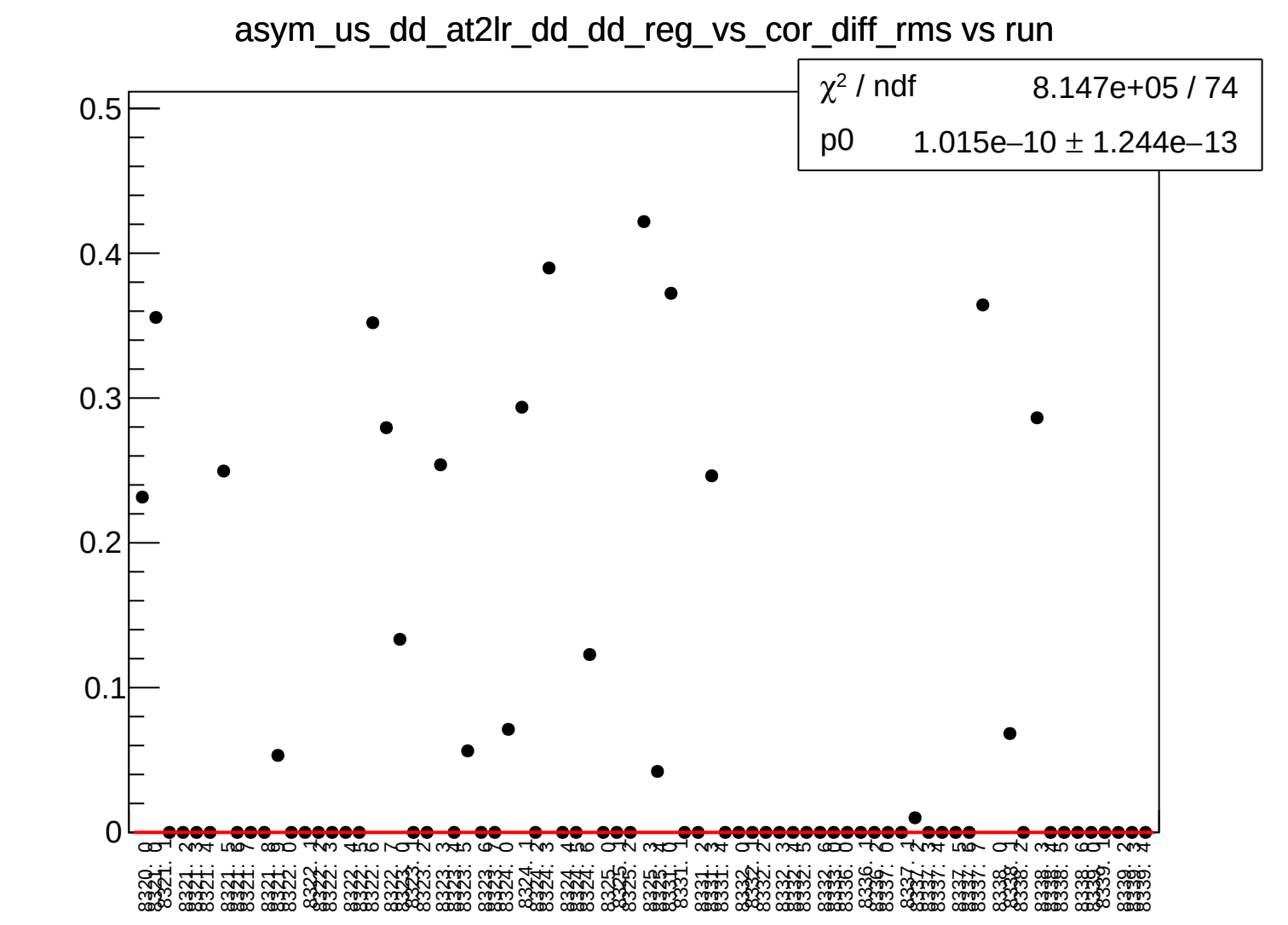

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1388 / 74
p0 1382 ± 1.137
1500
1450
1400
1350
1300

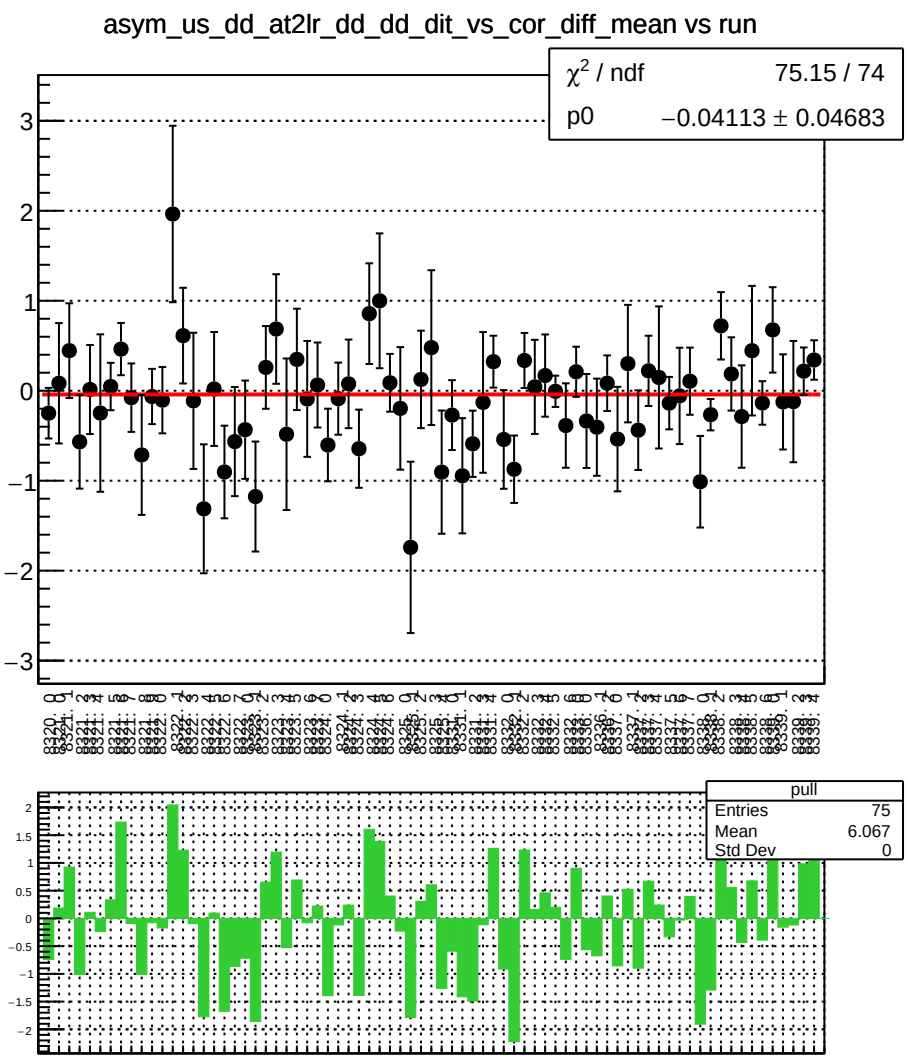

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 67.21 / 74
p0 52.05 ± 2471
pull
Entries 75
Mean 81.31
Std Dev 0

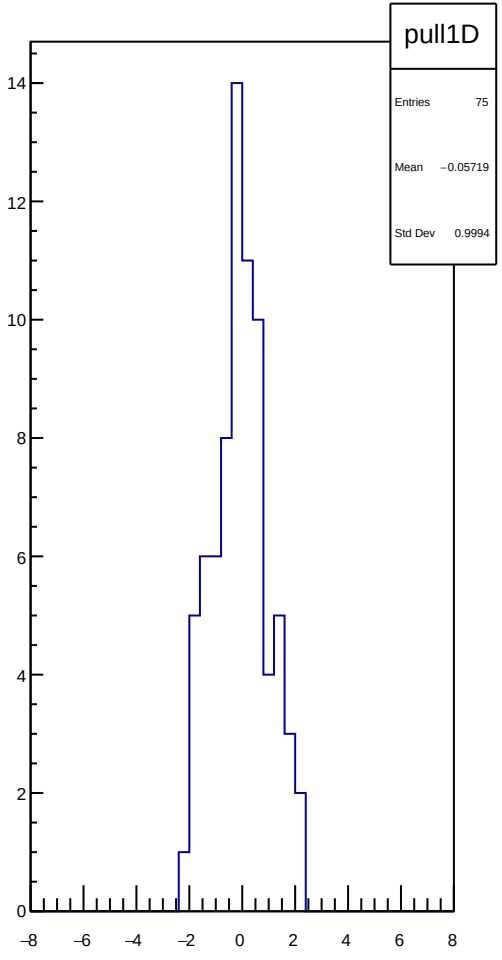

pull1D
Entries 75
Mean −0.009364
Std Dev 0.9466

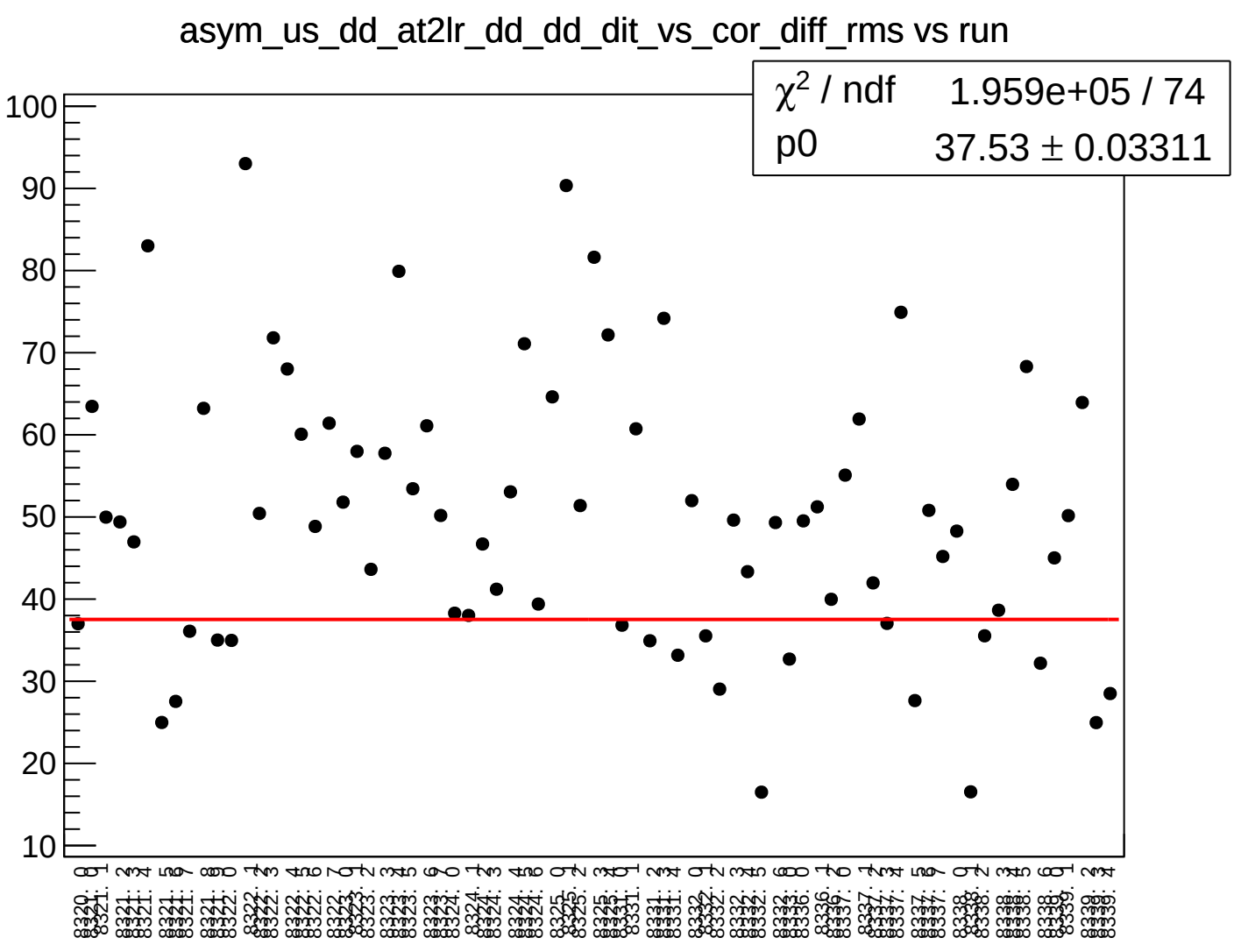

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 479.7 / 74
p0 2125 ± 1.747
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
2020

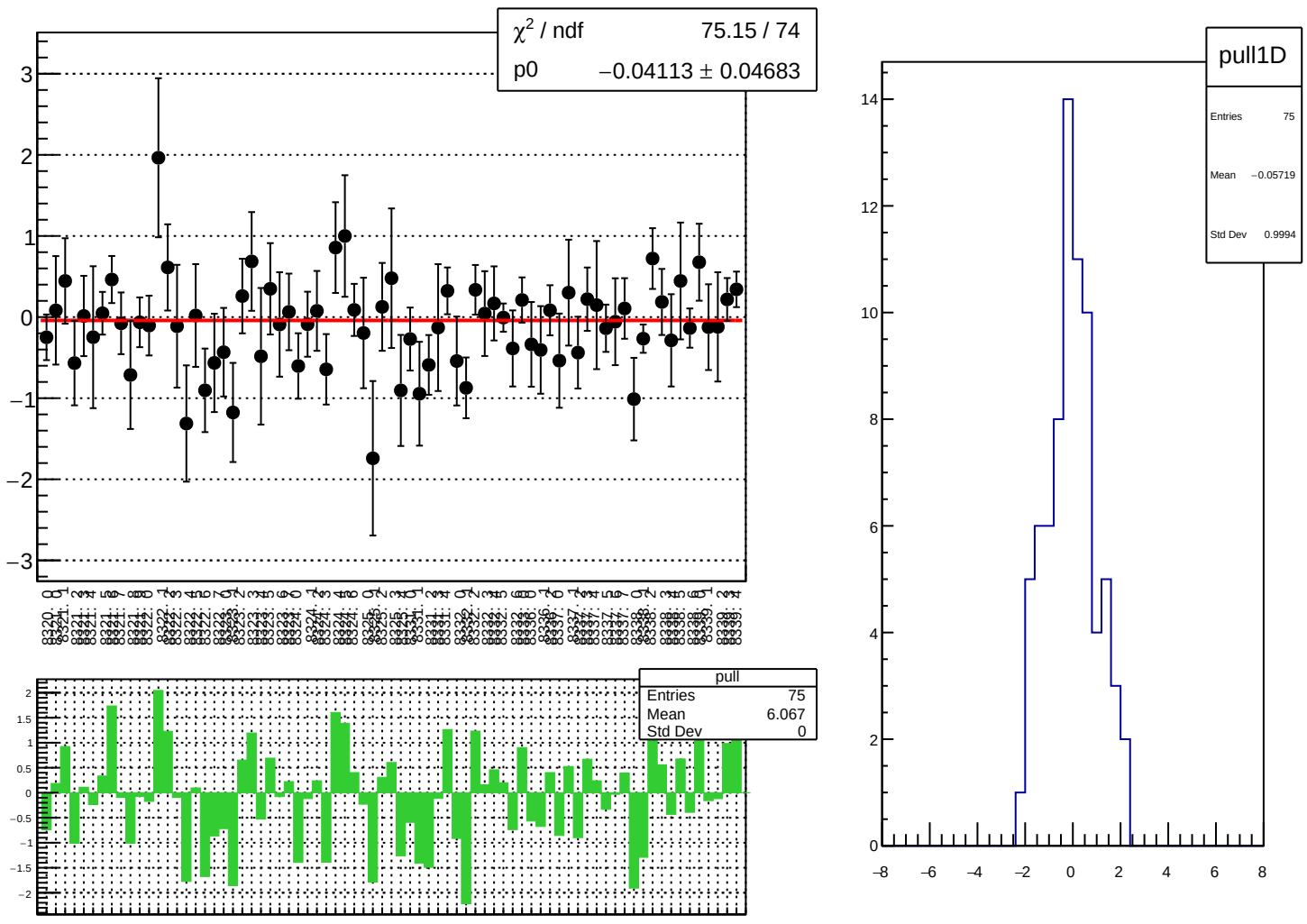

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 79.98 / 74
p0 8.853e−14 ± 1.76e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
pull
Entries 75
Mean 83.17
Std Dev 0
pull1D
Entries 75
Mean −0.1022
Std Dev 1.028

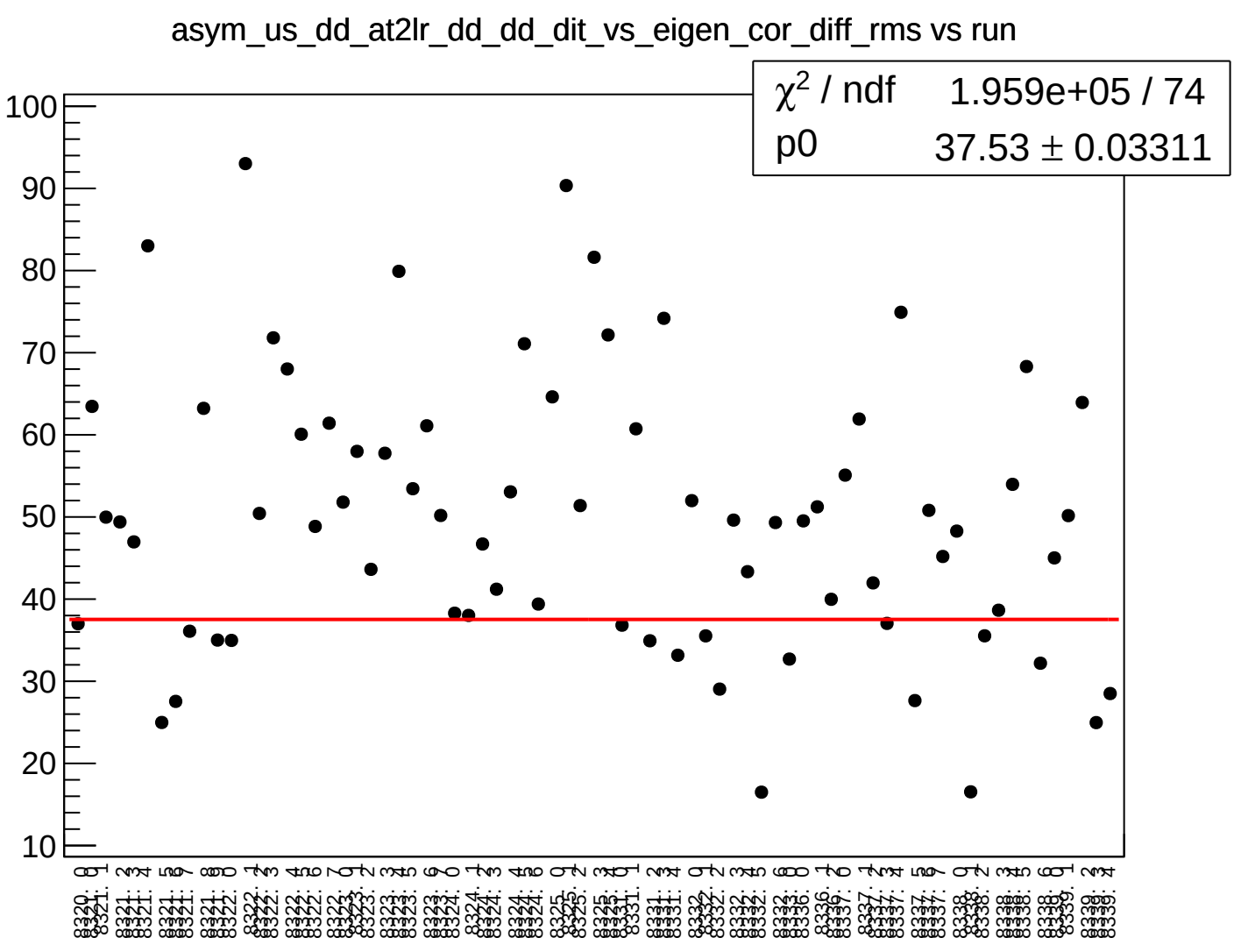

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.147e+05 / 74
p0 1.015e−10 ± 1.244e−13
0.5
0.4
0.3
0.2
0.1
0

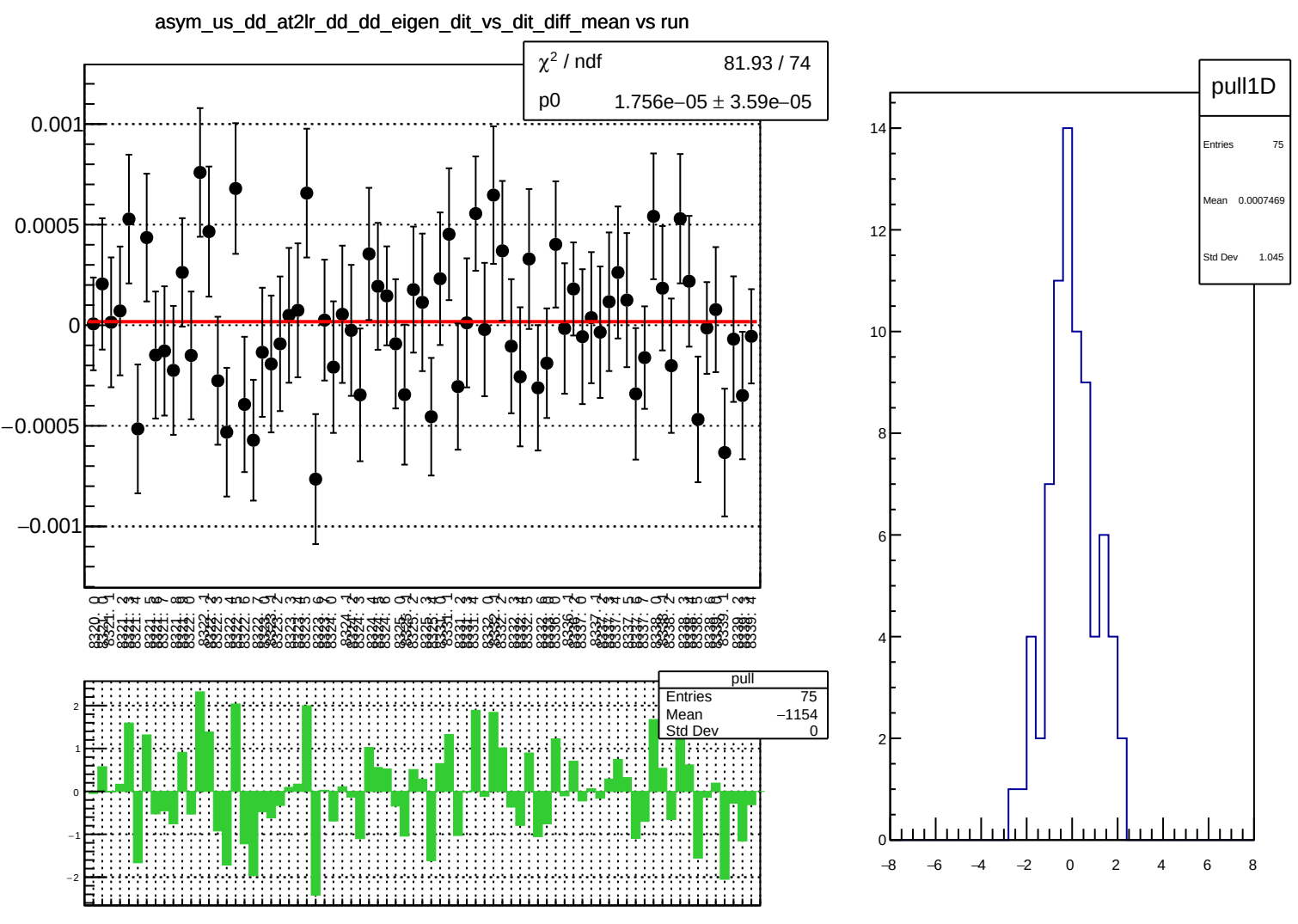

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 75.15 / 74
p0 −0.04113 ± 0.04683
pull
Entries 75
Mean 6.067
Std Dev 0

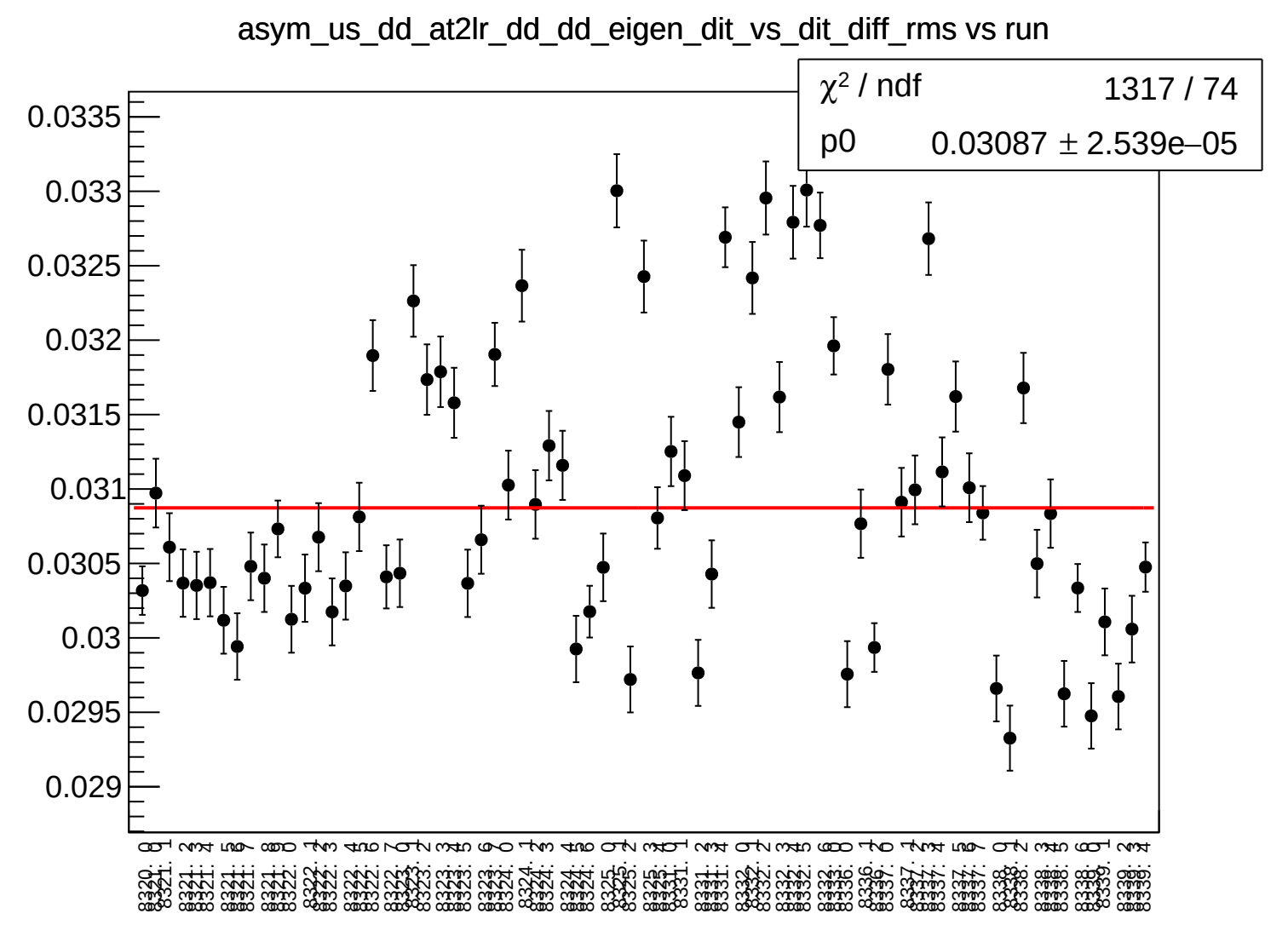

pull1D
Entries 75
Mean −0.05719
Std Dev 0.9994

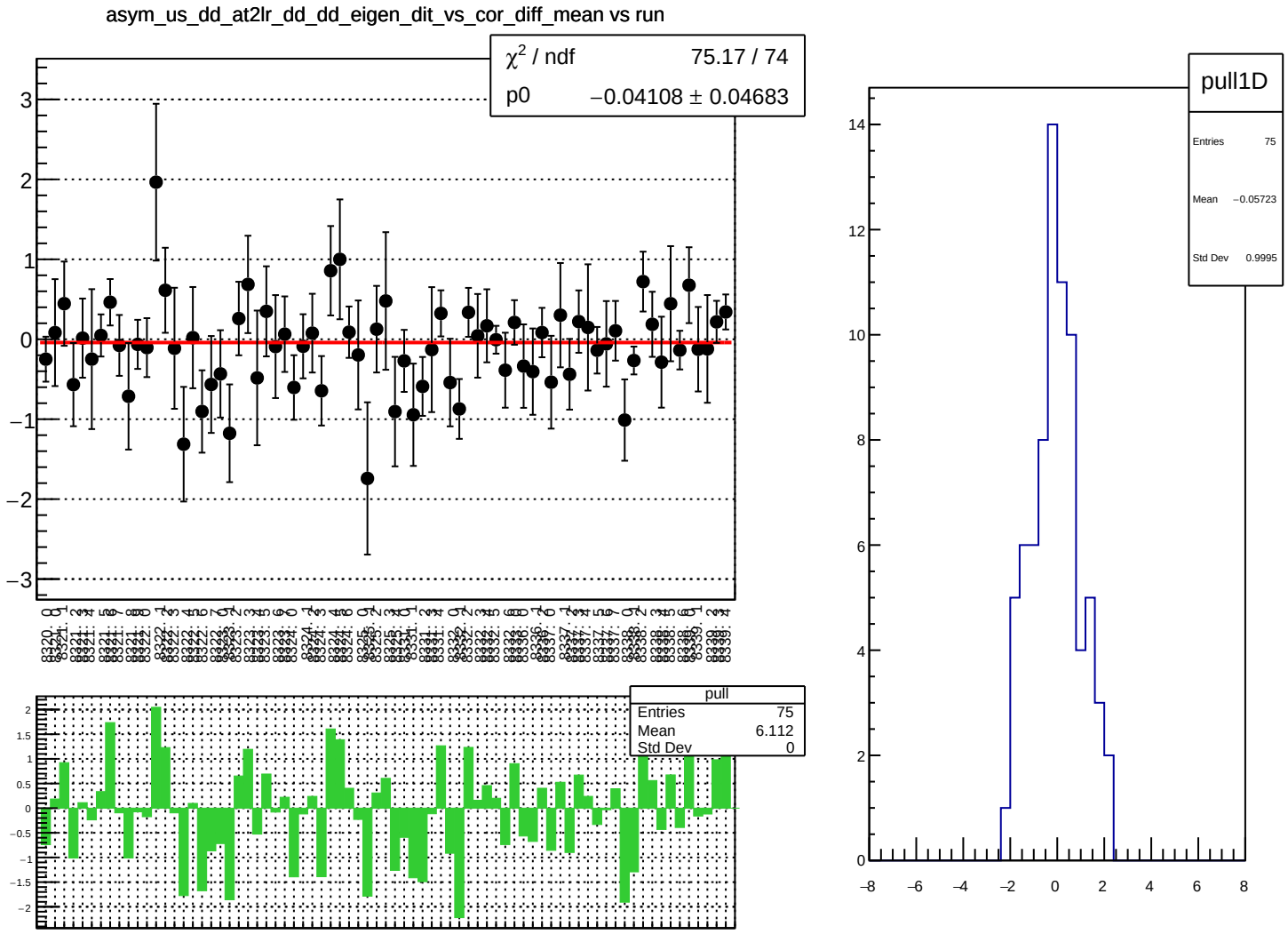

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.959e+05 / 74
p0 37.53 ± 0.03311
100
90
80
70
60
50
40
30
20
10

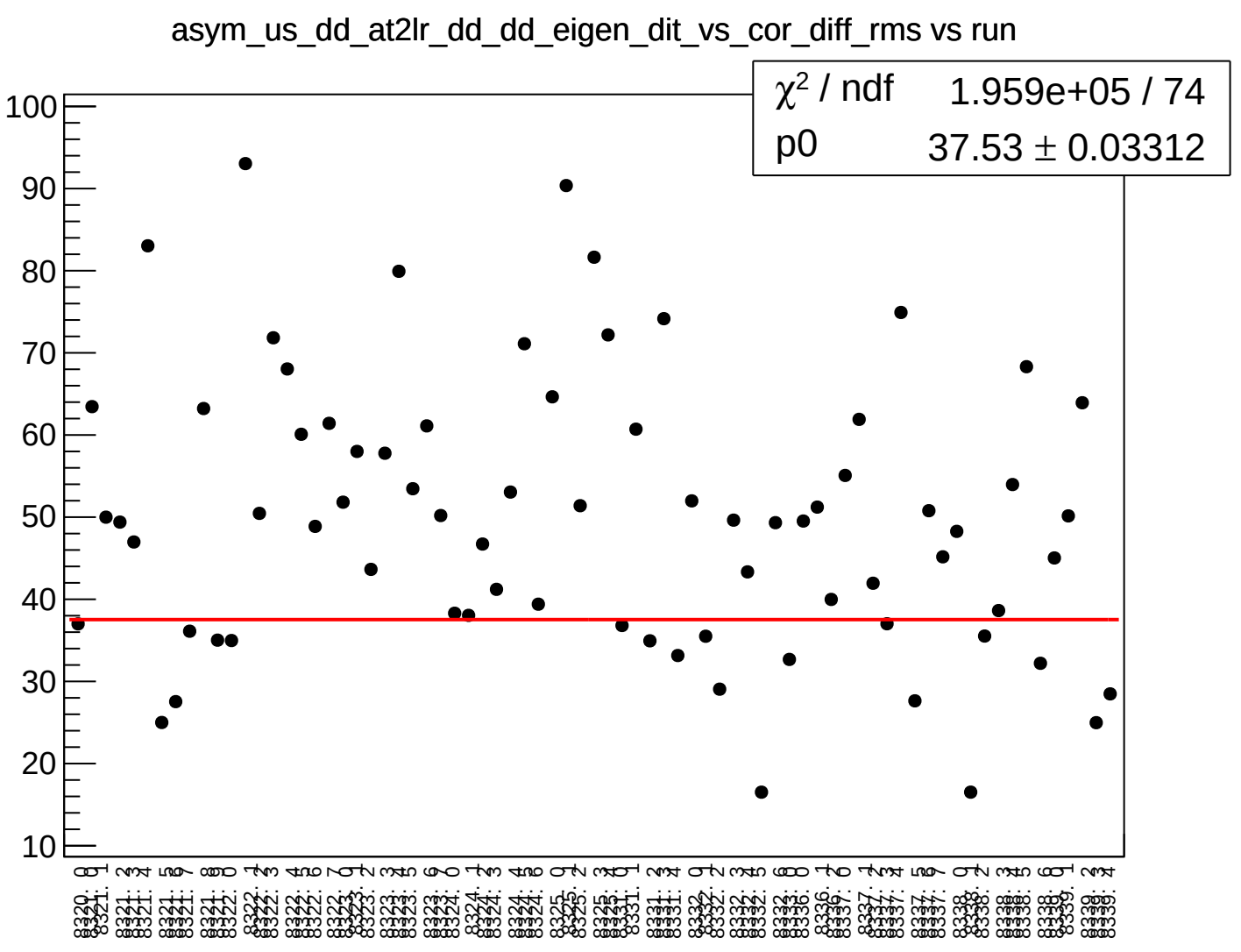

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.15 / 74
p0 −0.04113 ± 0.04683
pull
Entries 75
Mean 6.067
Std Dev 0
pull1D
Entries 75
Mean −0.05719
Std Dev 0.9994

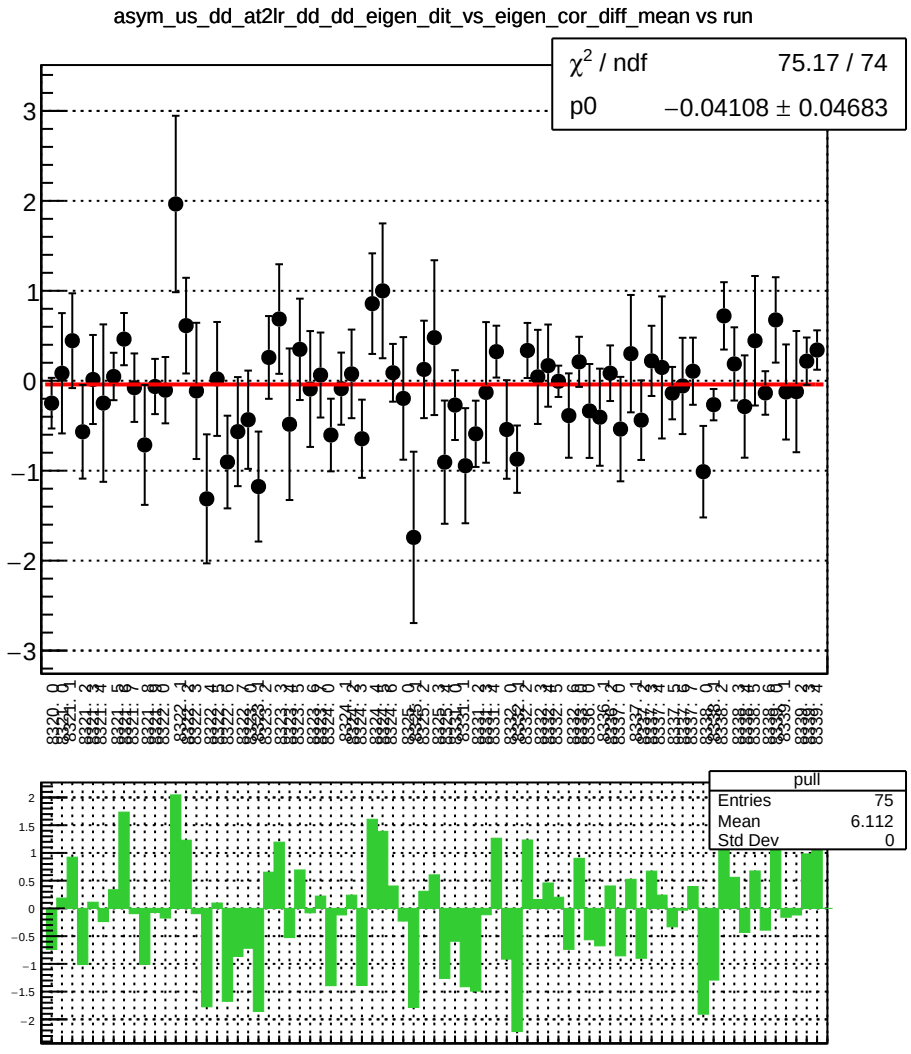

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.959e+05 / 74
p0 37.53 ± 0.03311
100
90
80
70
60
50
40
30
20
10

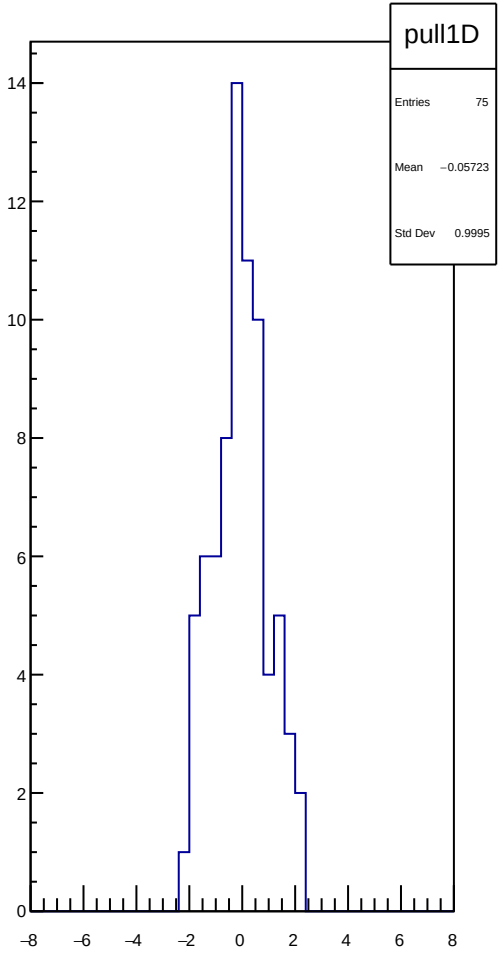

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 81.93 / 74
p0 1.756e−05 ± 3.59e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean −1154
Std Dev 0
pull1D
Entries 75
Mean 0.0007469
Std Dev 1.045

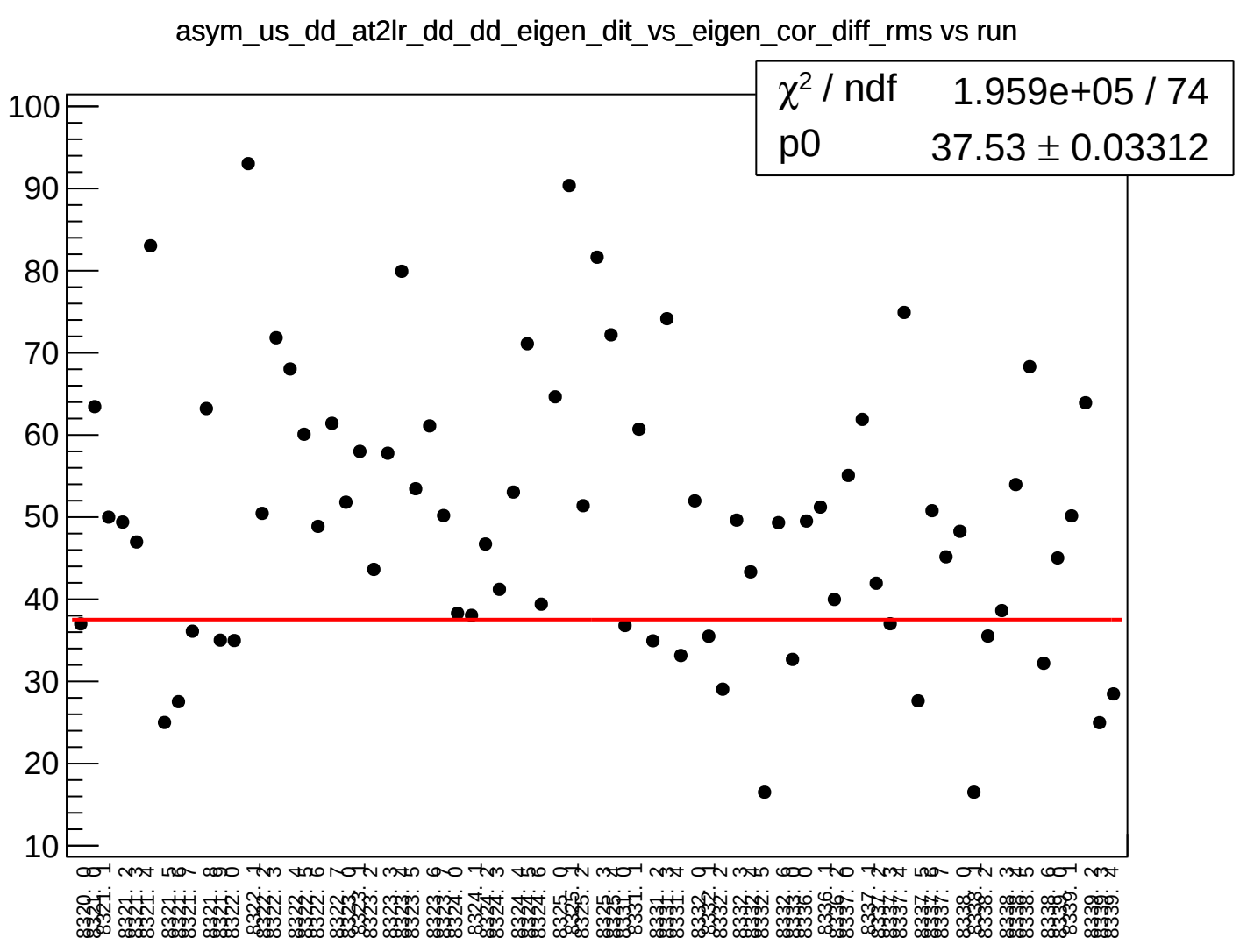

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1317 / 74
p0 0.03087 ± 2.539e−05
0.0335
0.033
0.0325
0.032
0.0315
0.031
0.0305
0.03
0.0295
0.029

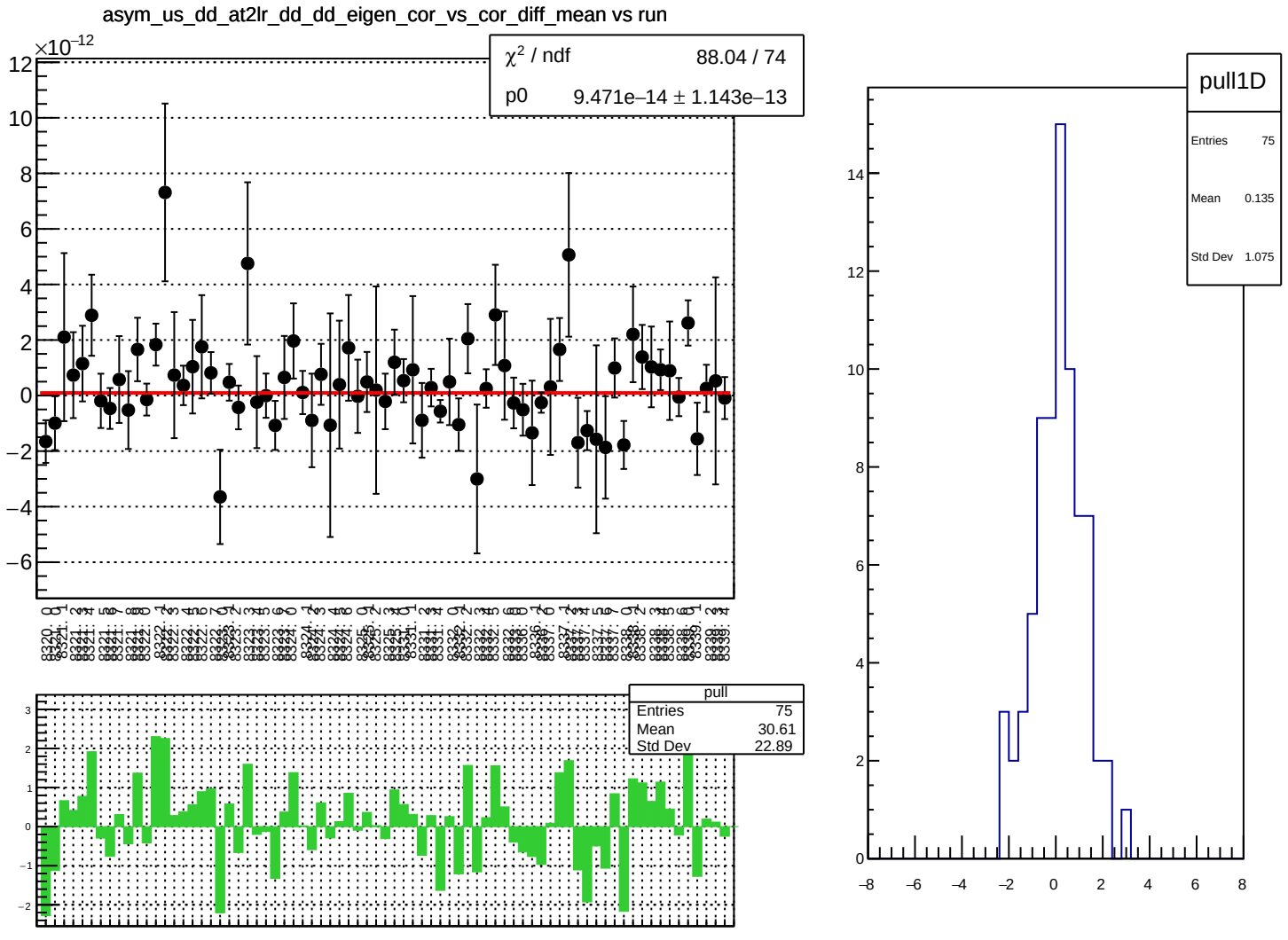

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 75.17 / 74
p0 −0.04108 ± 0.04683
pull
Entries 75
Mean 6.112
Std Dev 0
pull1D
Entries 75
Mean −0.05723
Std Dev 0.9995

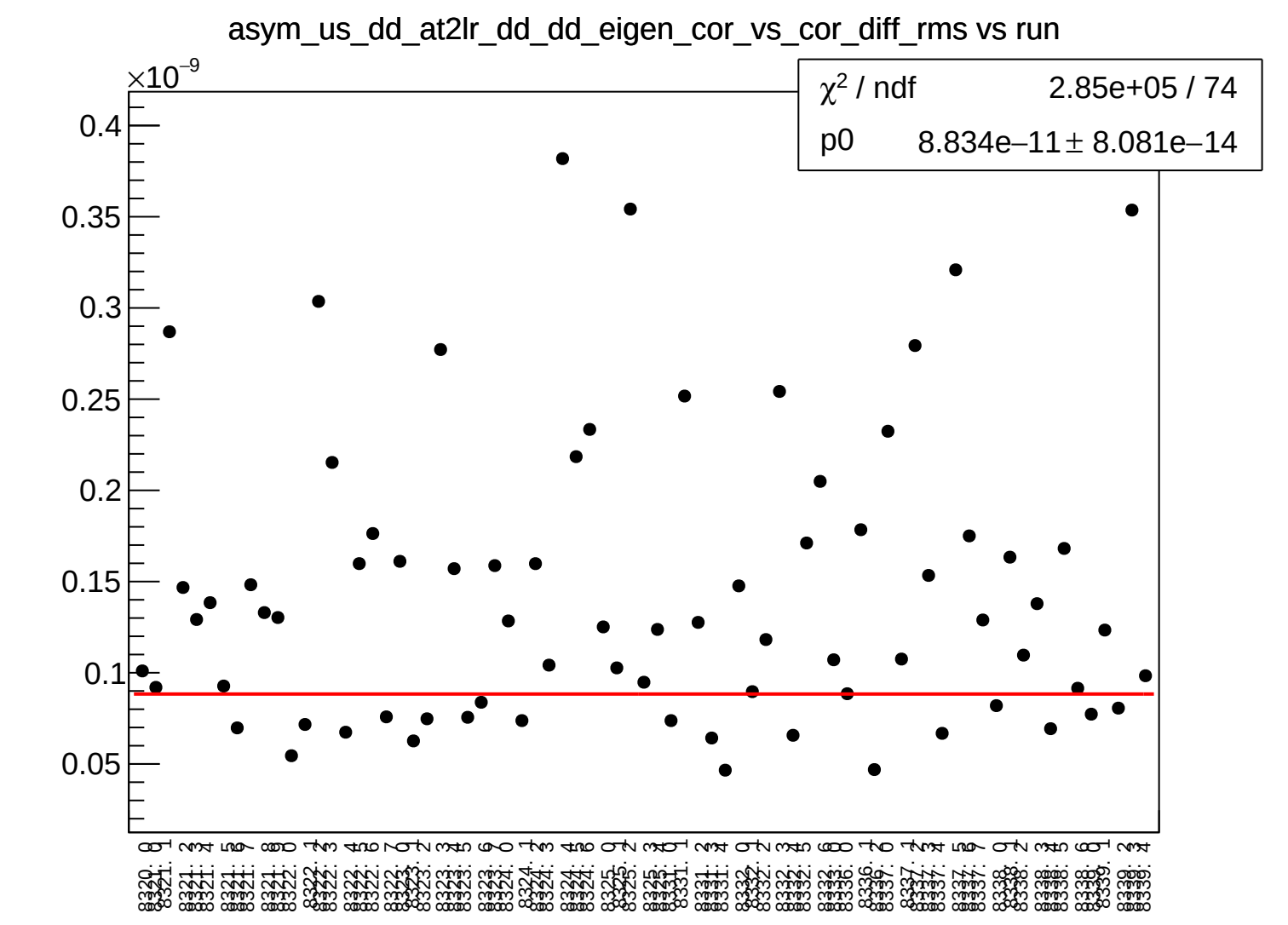

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.959e+05 / 74
p0 37.53 ± 0.03312
100
90
80
70
60
50
40
30
20
10

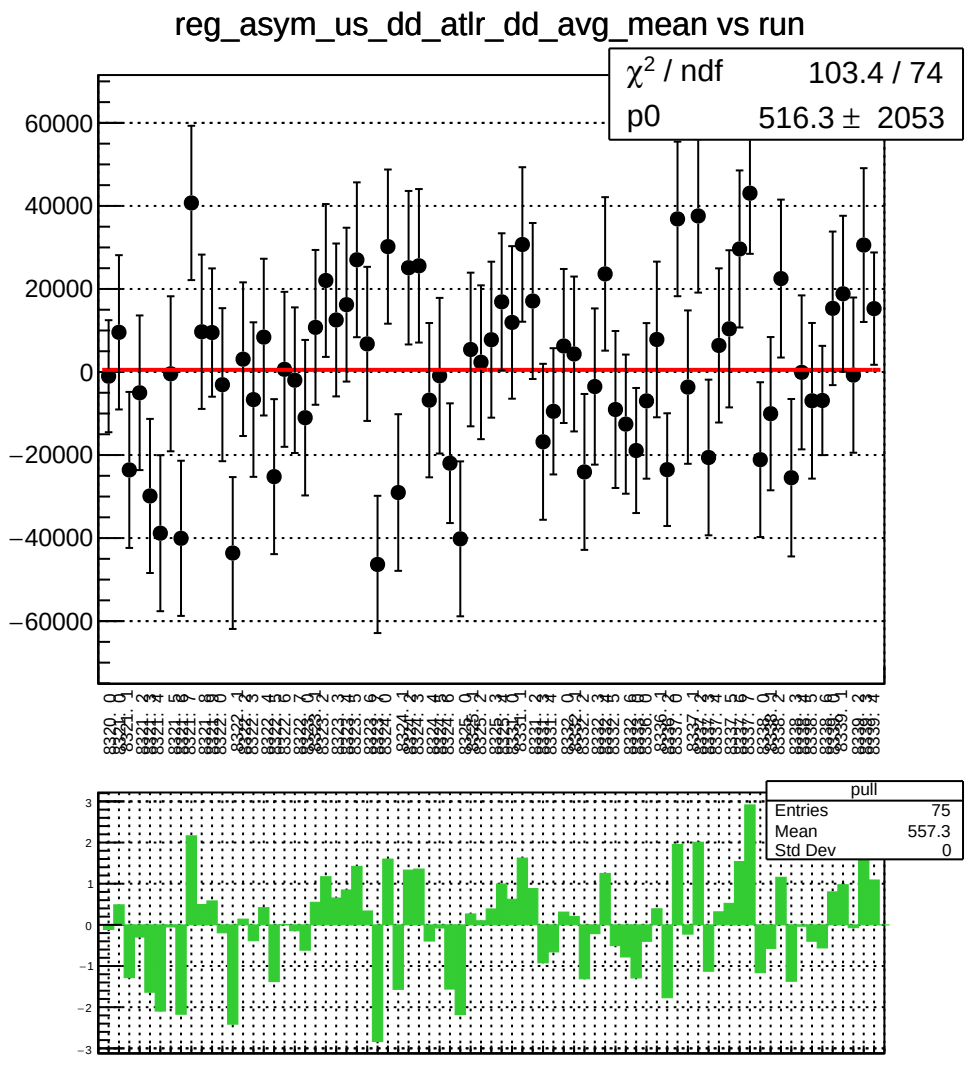

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 75.17 / 74
p0 −0.04108 ± 0.04683
pull
Entries 75
Mean 6.112
Std Dev 0

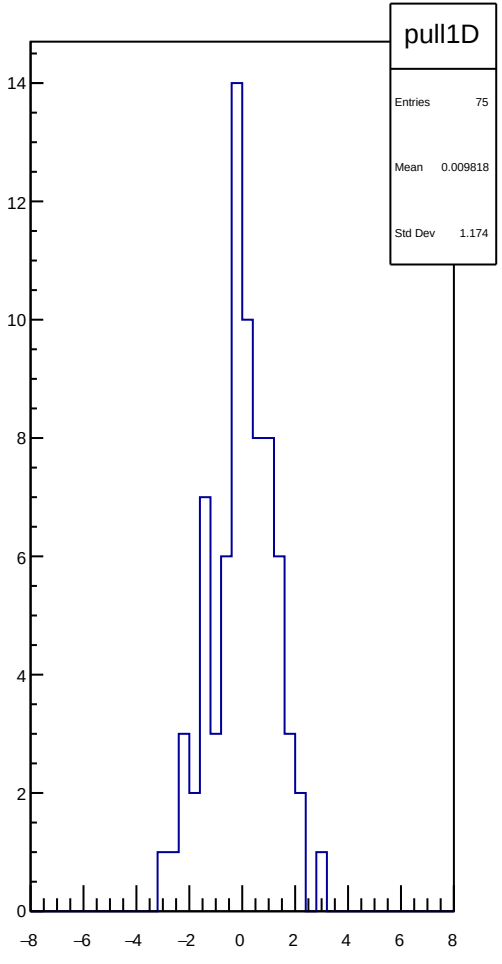

pull1D
Entries 75
Mean −0.05723
Std Dev 0.9995

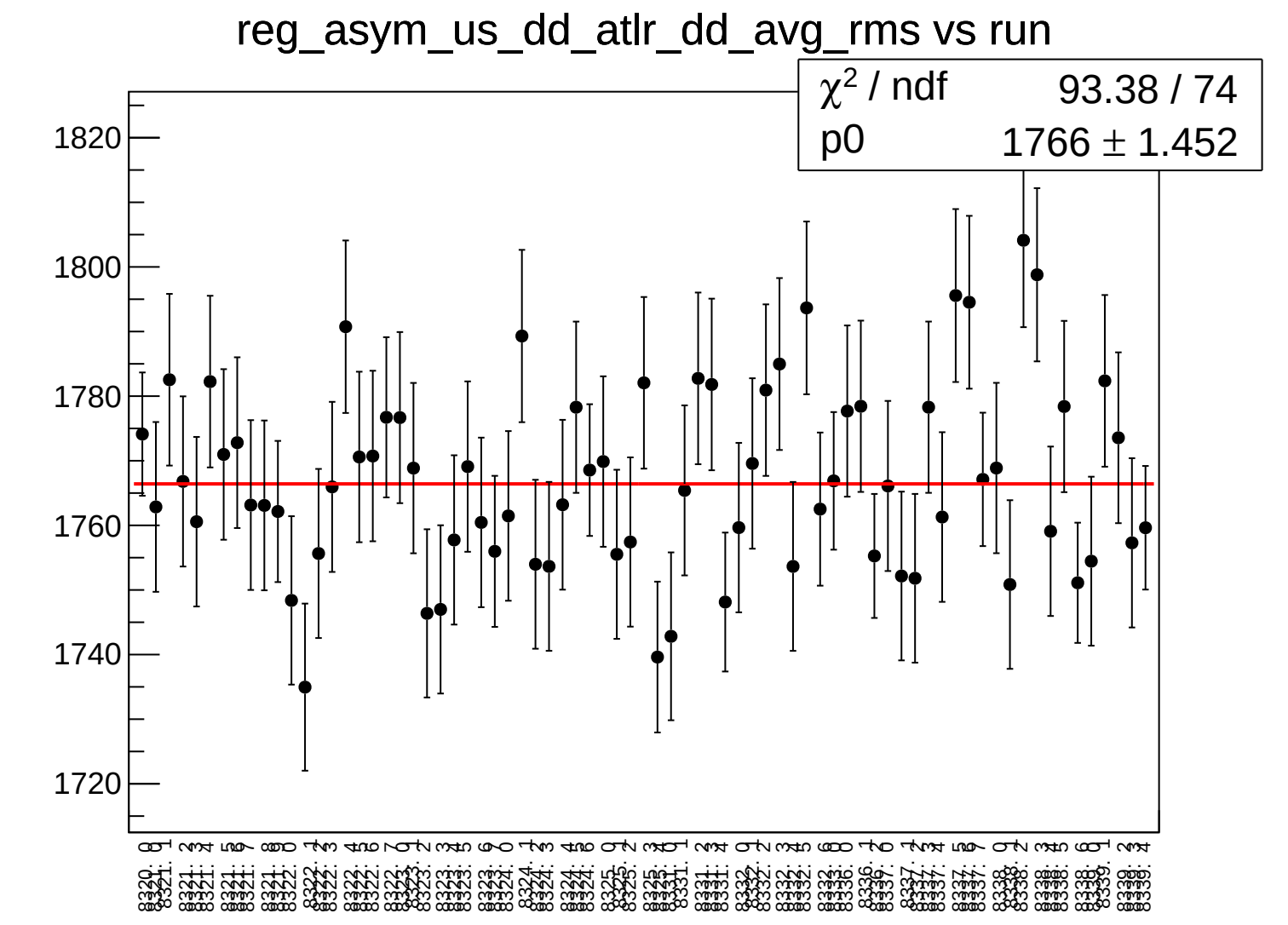

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.959e+05 / 74
p0 37.53 ± 0.03312
100
90
80
70
60
50
40
30
20
10

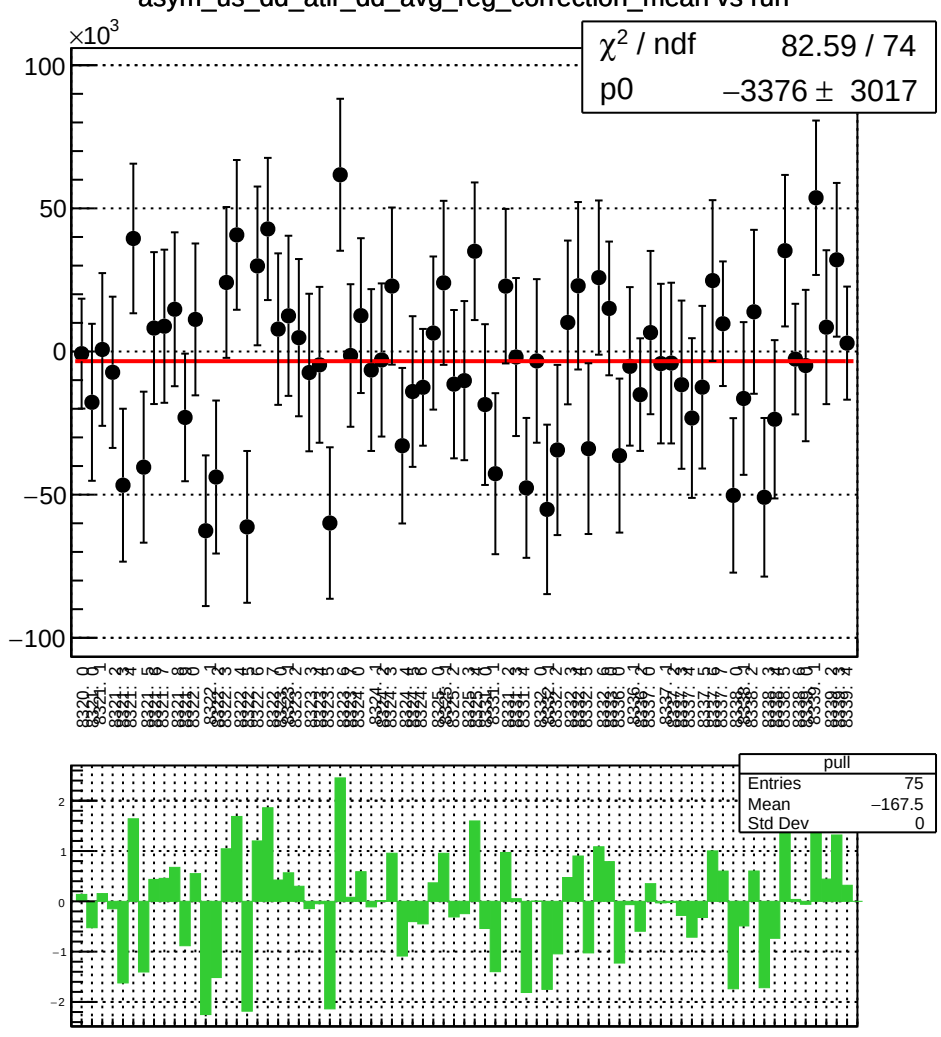

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.04 / 74
p0 9.471e−14 ± 1.143e−13
pull
Entries 75
Mean 30.61
Std Dev 22.89
pull1D
Entries 75
Mean 0.135
Std Dev 1.075

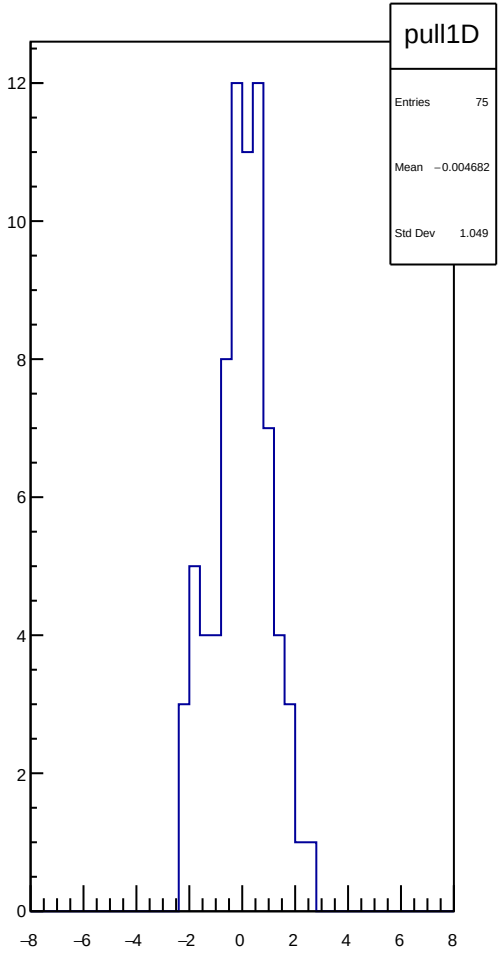

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.85e+05 / 74
p0 8.834e−11 ± 8.081e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

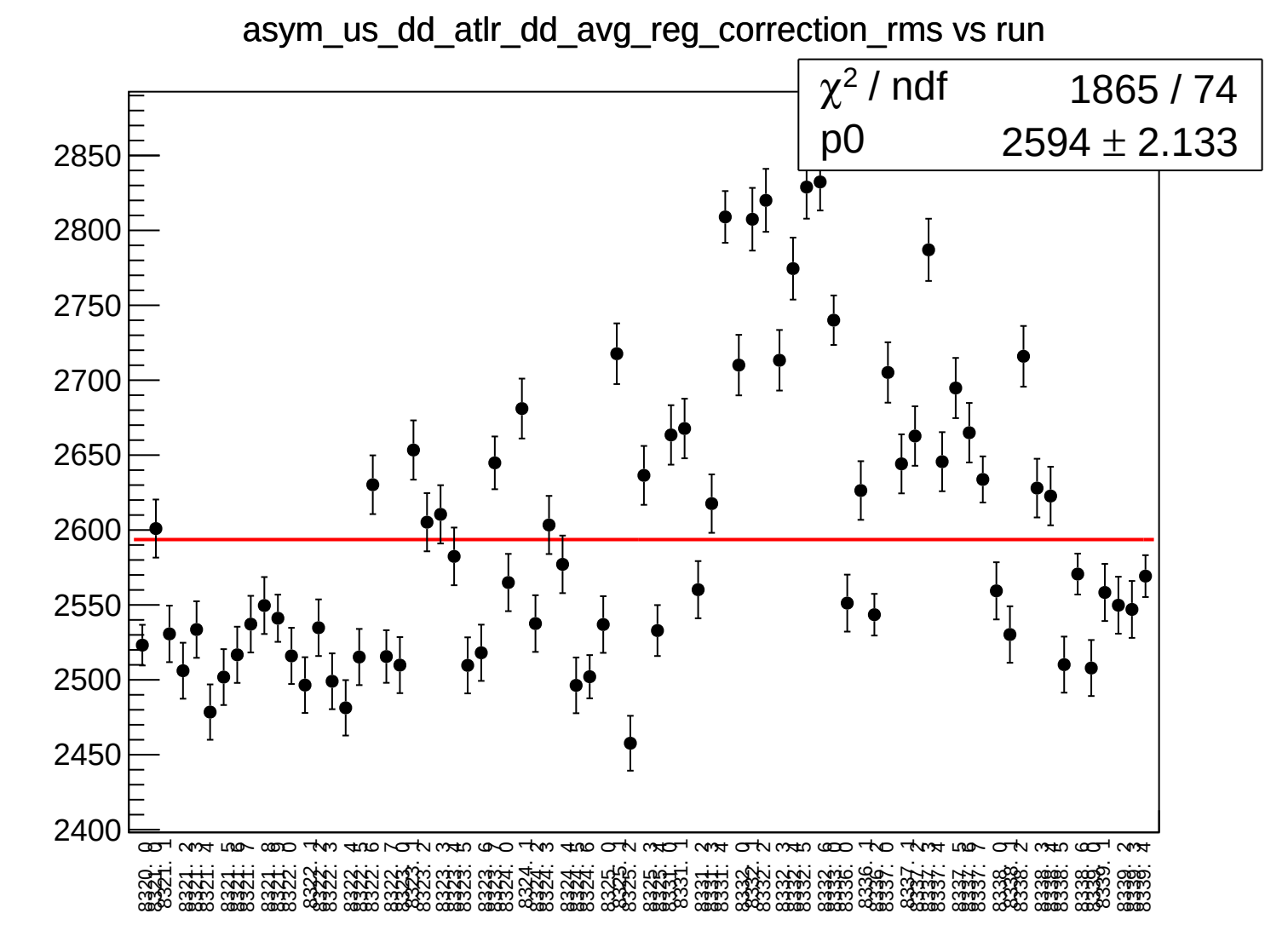

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 103.4 / 74
p0 516.3 ± 2053
pull
Entries 75
Mean 557.3
Std Dev 0

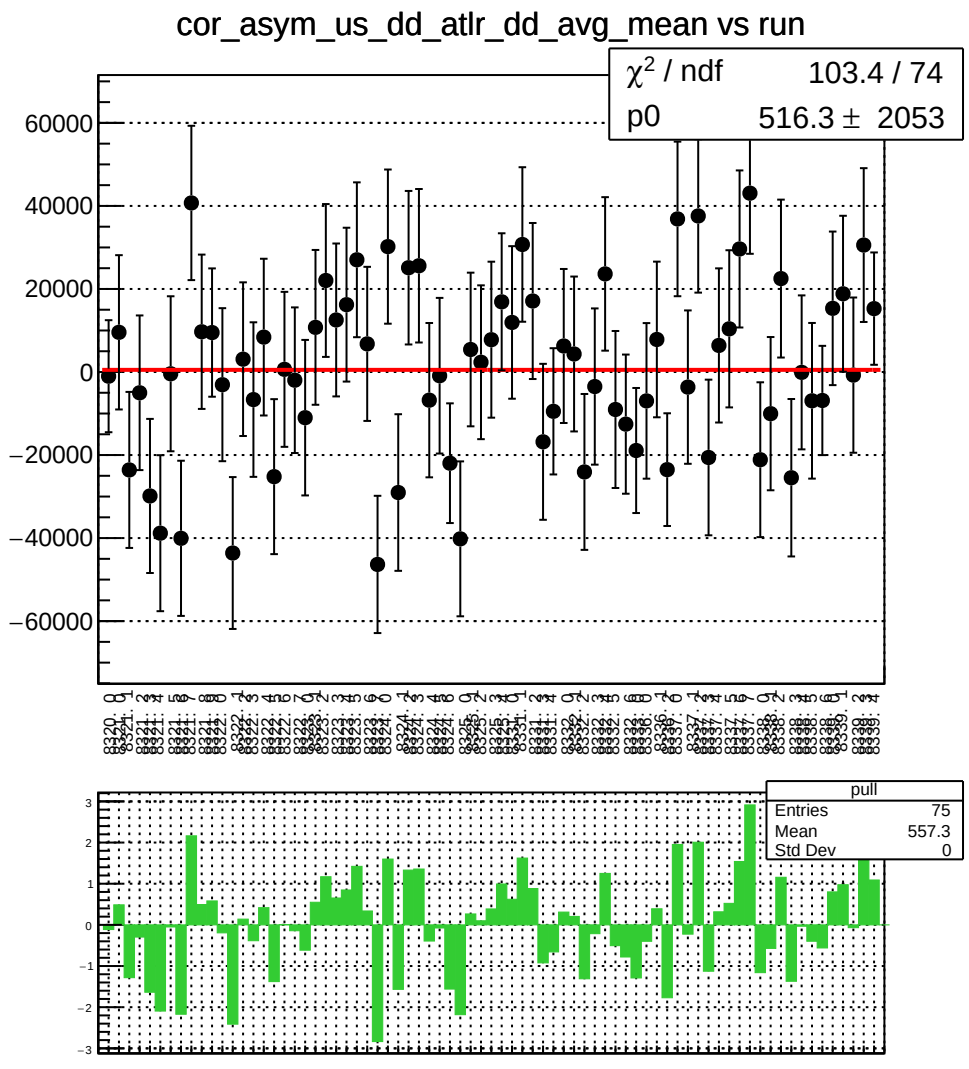

pull1D
Entries 75
Mean 0.009818
Std Dev 1.174

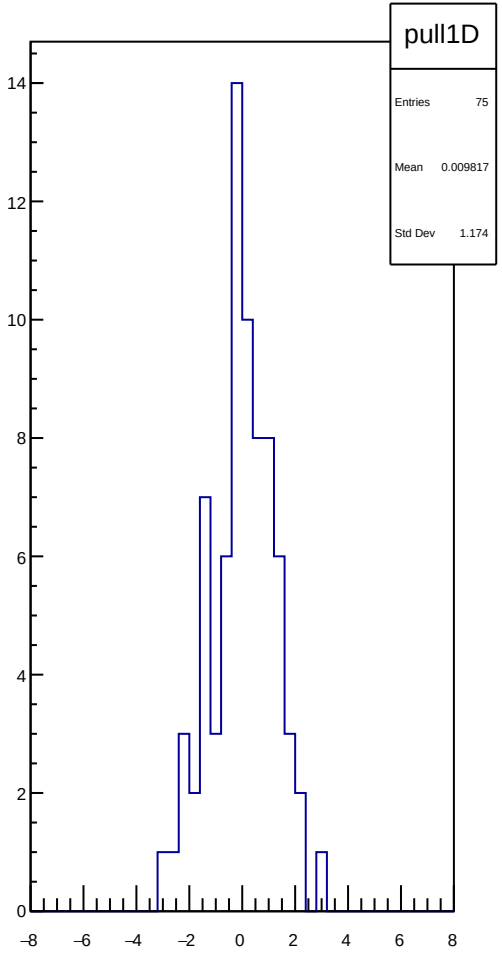

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 93.38 / 74
p0 1766 ± 1.452
1820
1800
1780
1760
1740
1720

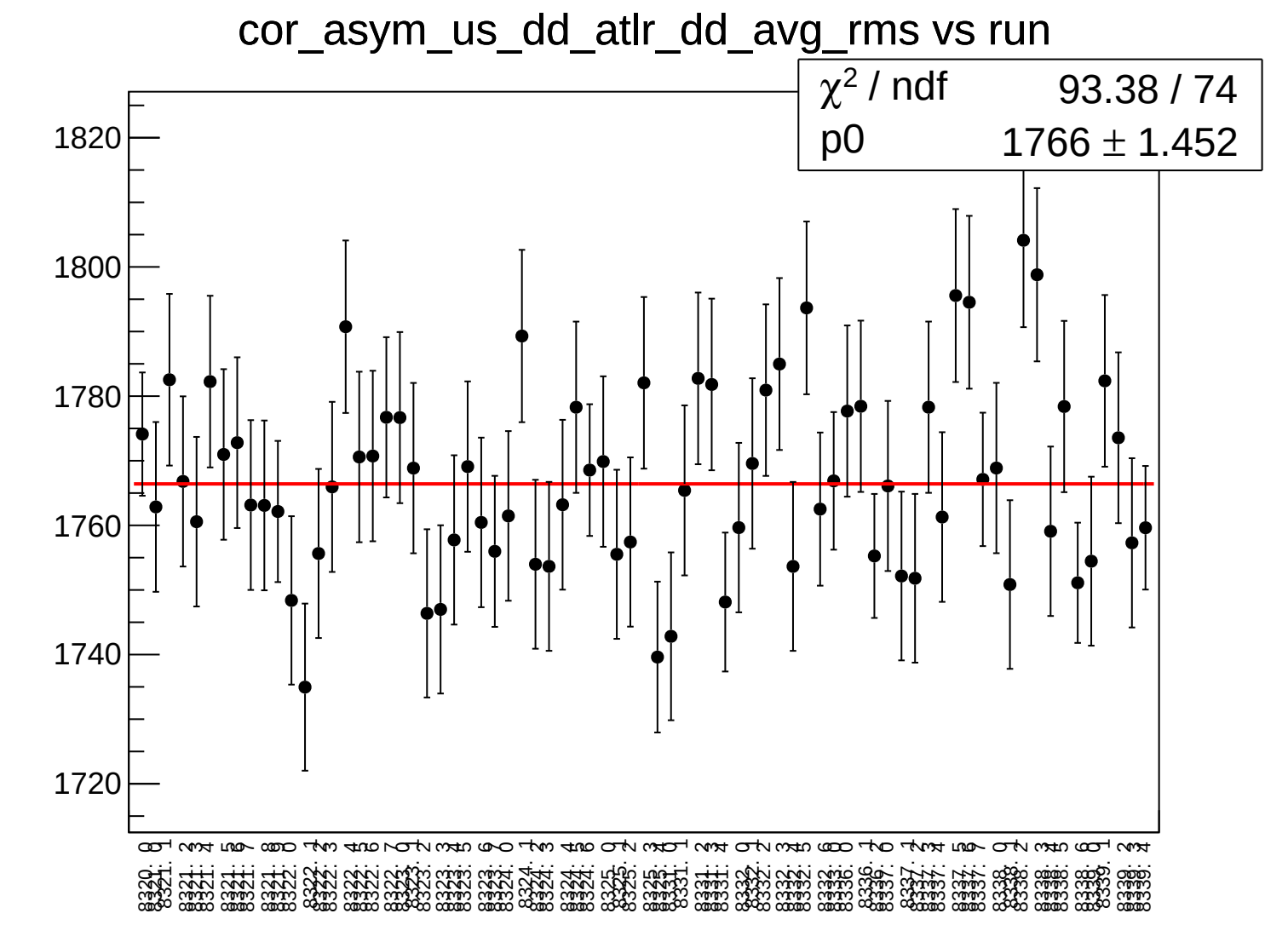

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 82.59 / 74
p0 −3376 ± 3017
pull
Entries 75
Mean −167.5
Std Dev 0

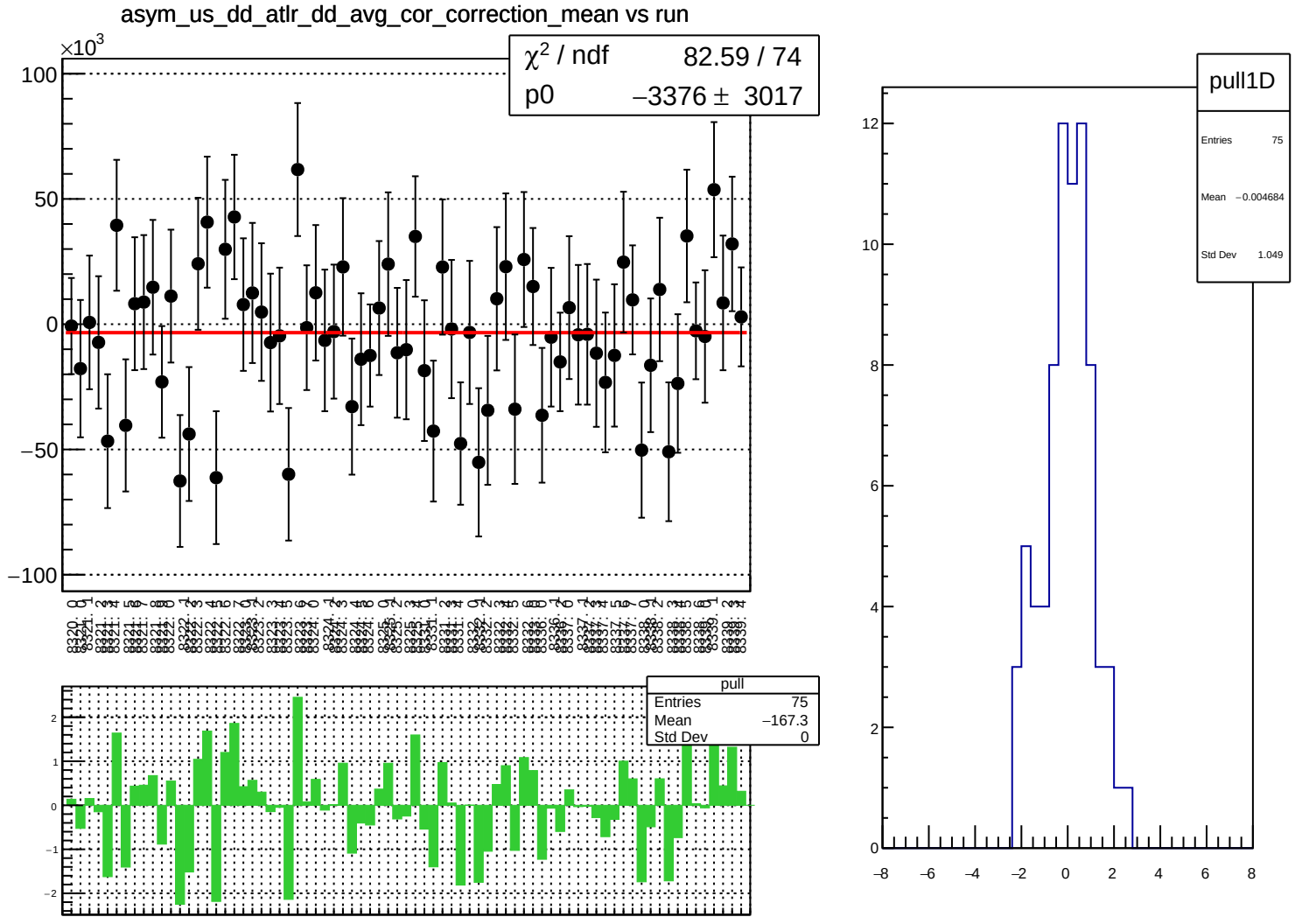

pull1D
Entries 75
Mean −0.004682
Std Dev 1.049

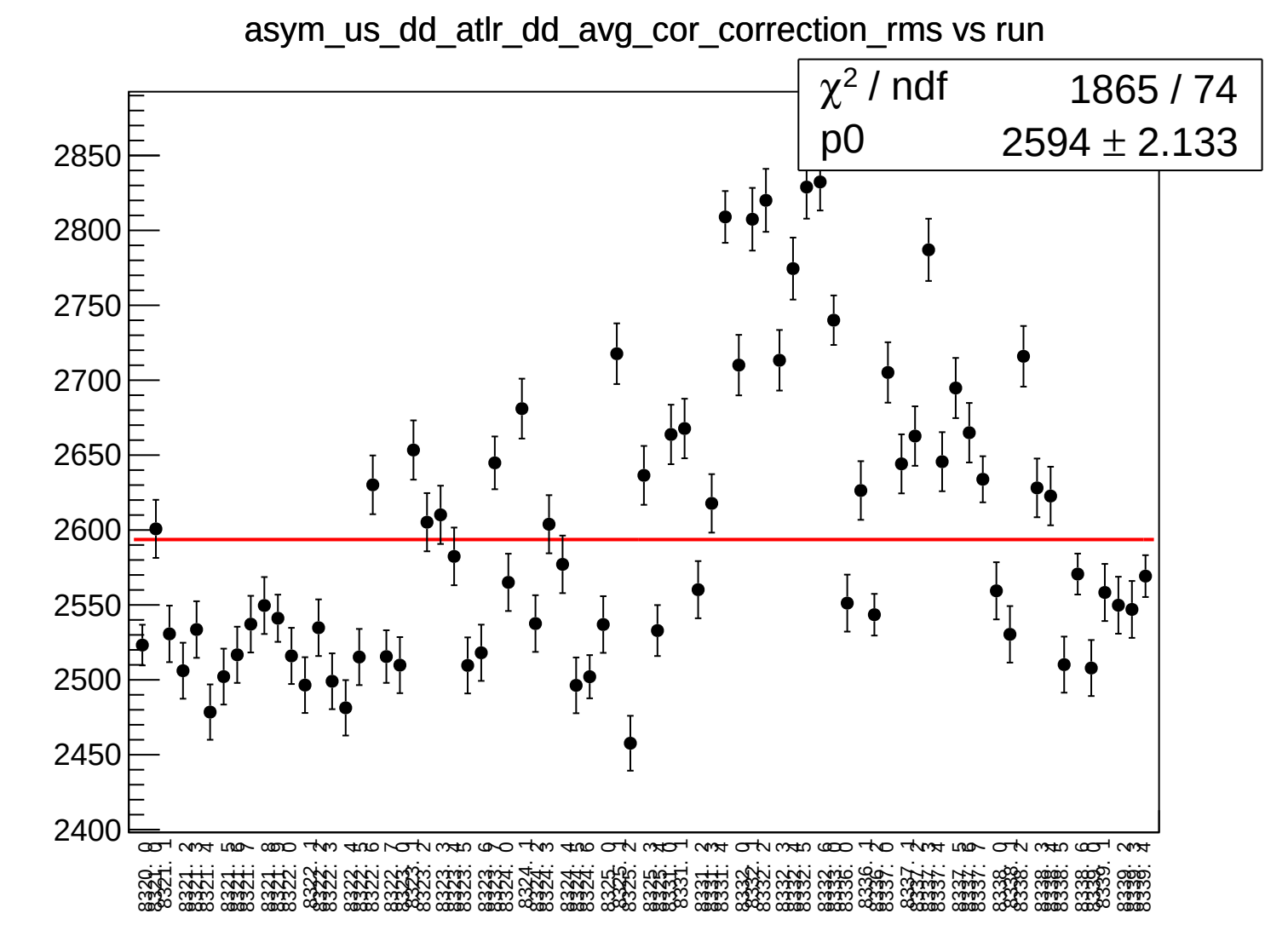

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 1865 / 74
p0 2594 ± 2.133
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400

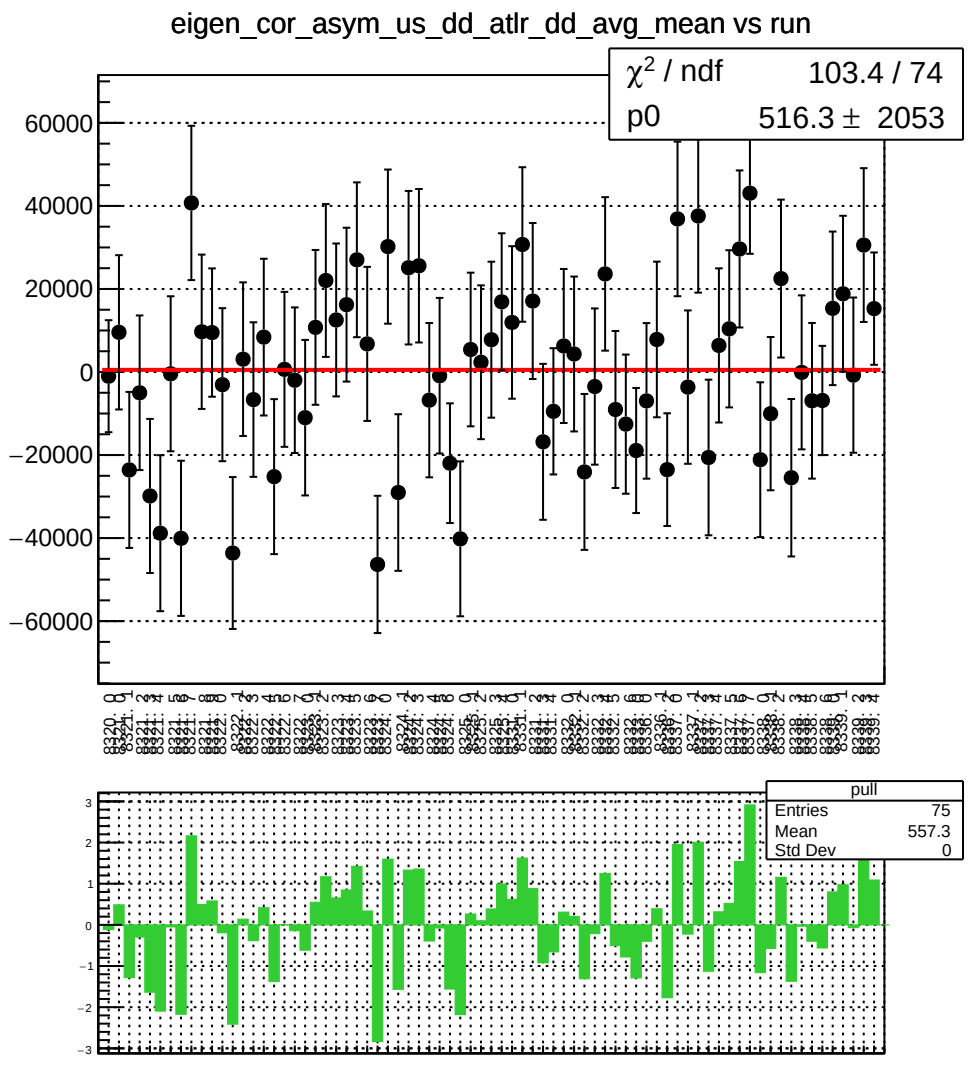

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 103.4 / 74
p0 516.3 ± 2053
pull
Entries 75
Mean 557.3
Std Dev 0

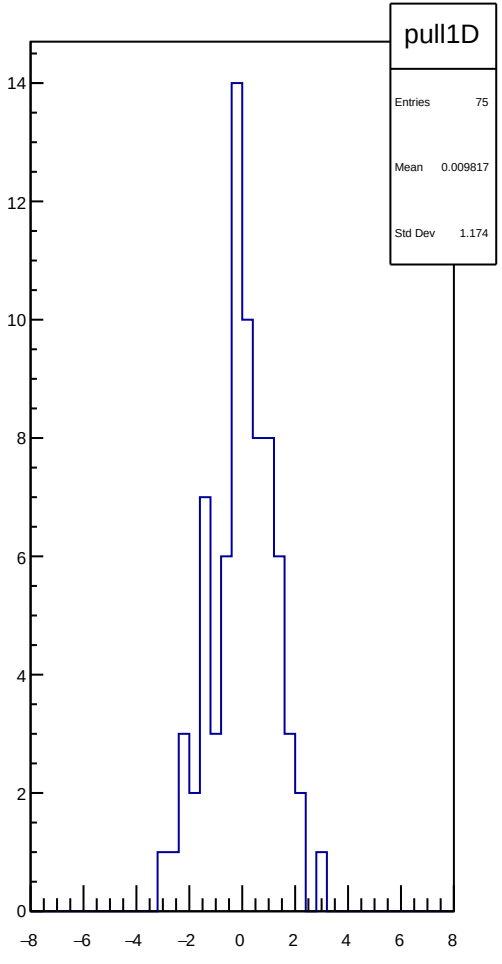

pull1D
Entries 75
Mean 0.009817
Std Dev 1.174

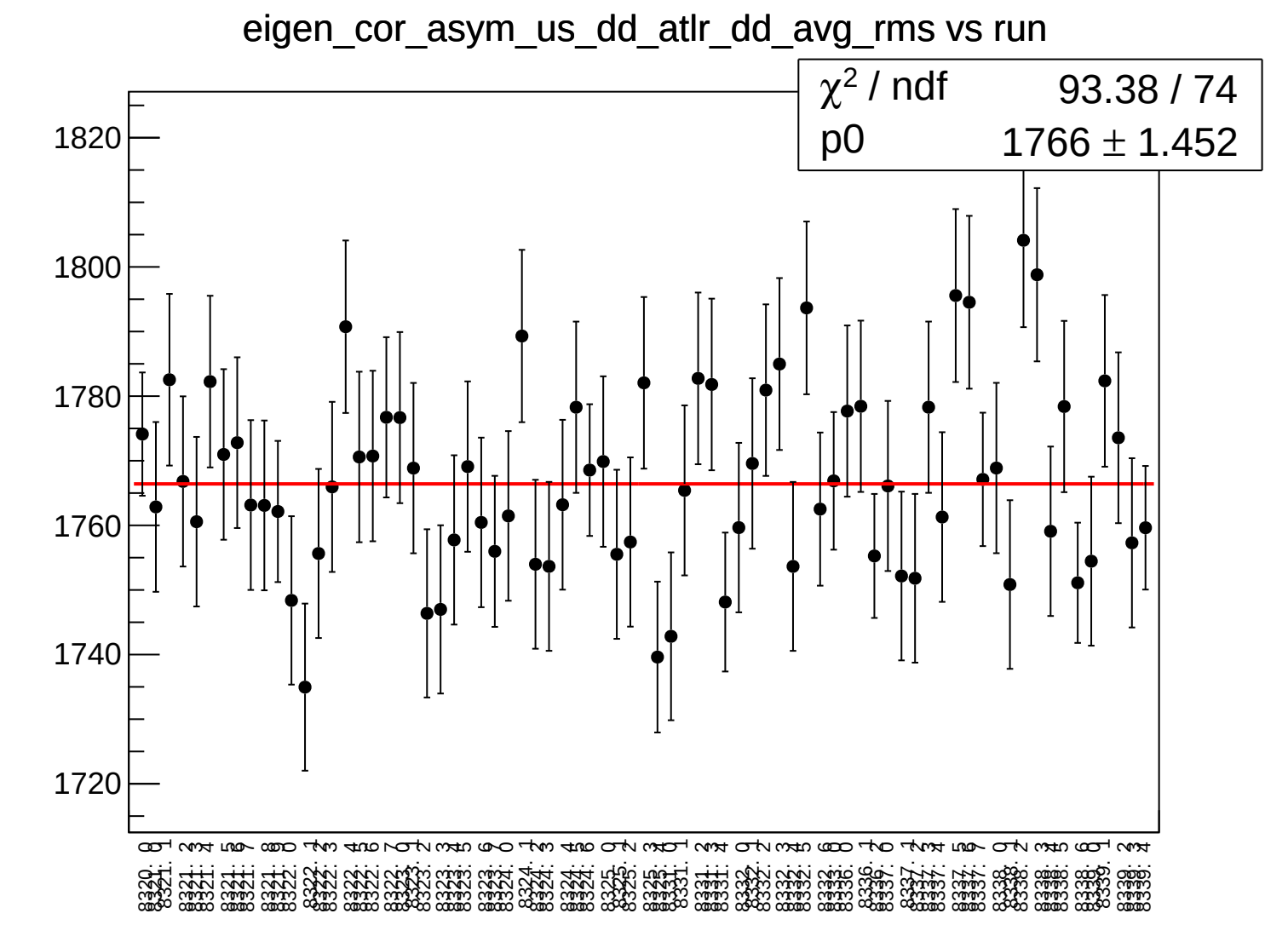

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 93.38 / 74
p0 1766 ± 1.452
1820
1800
1780
1760
1740
1720

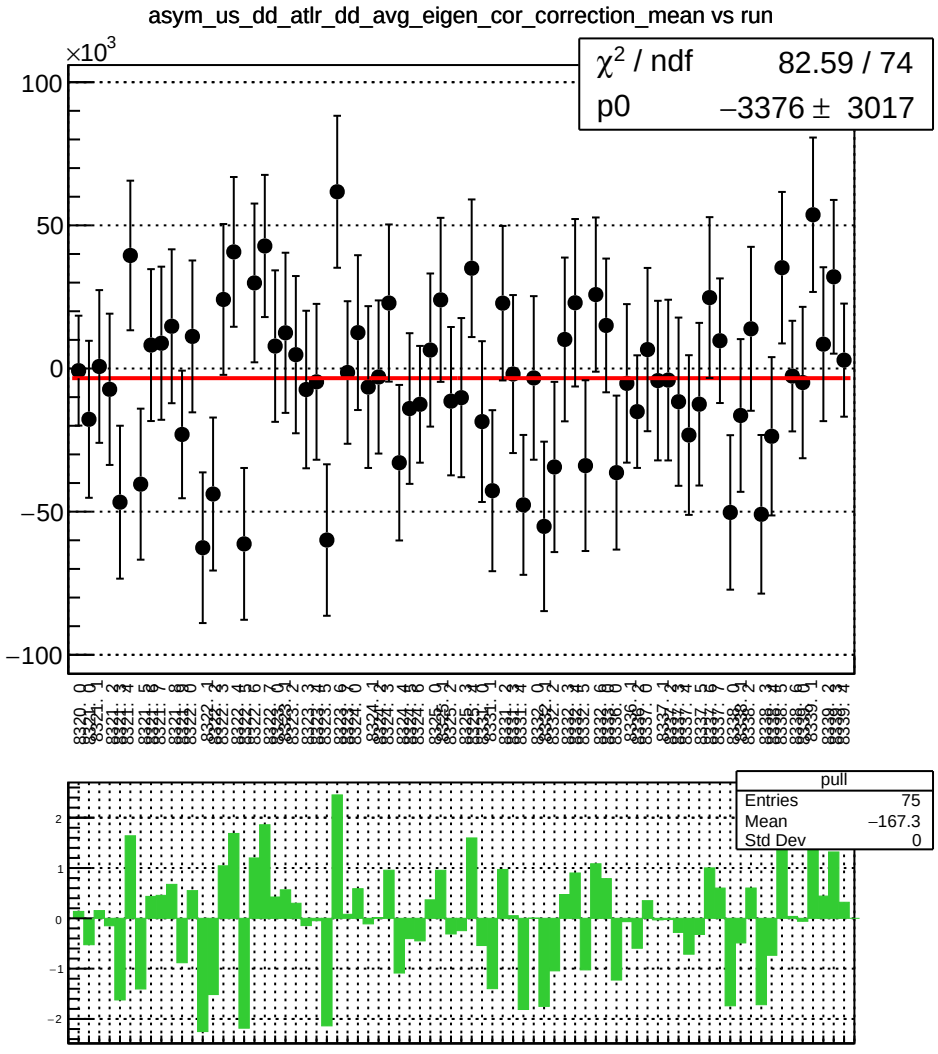

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 82.59 / 74
p0 −3376 ± 3017
100
50
0
−50
−100
pull
Entries 75
Mean −167.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.004684
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

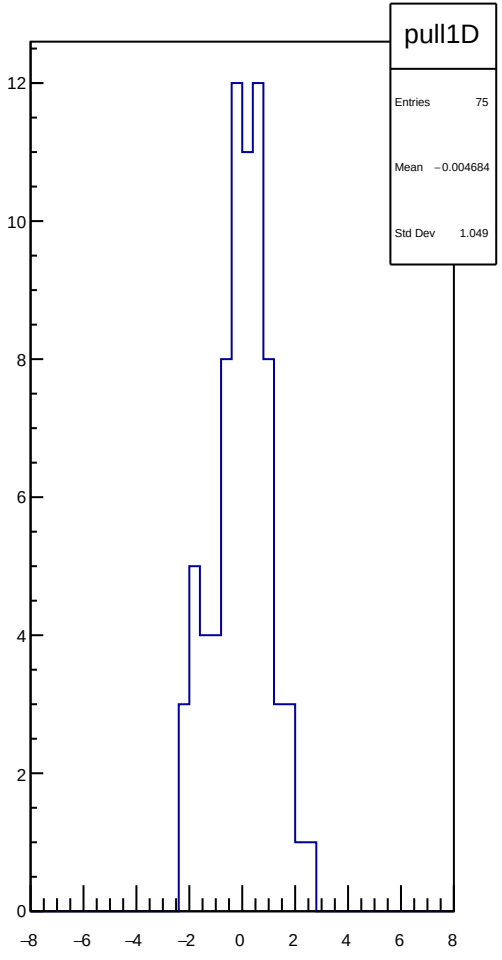

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 1865 / 74
p0 2594 ± 2.133
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400

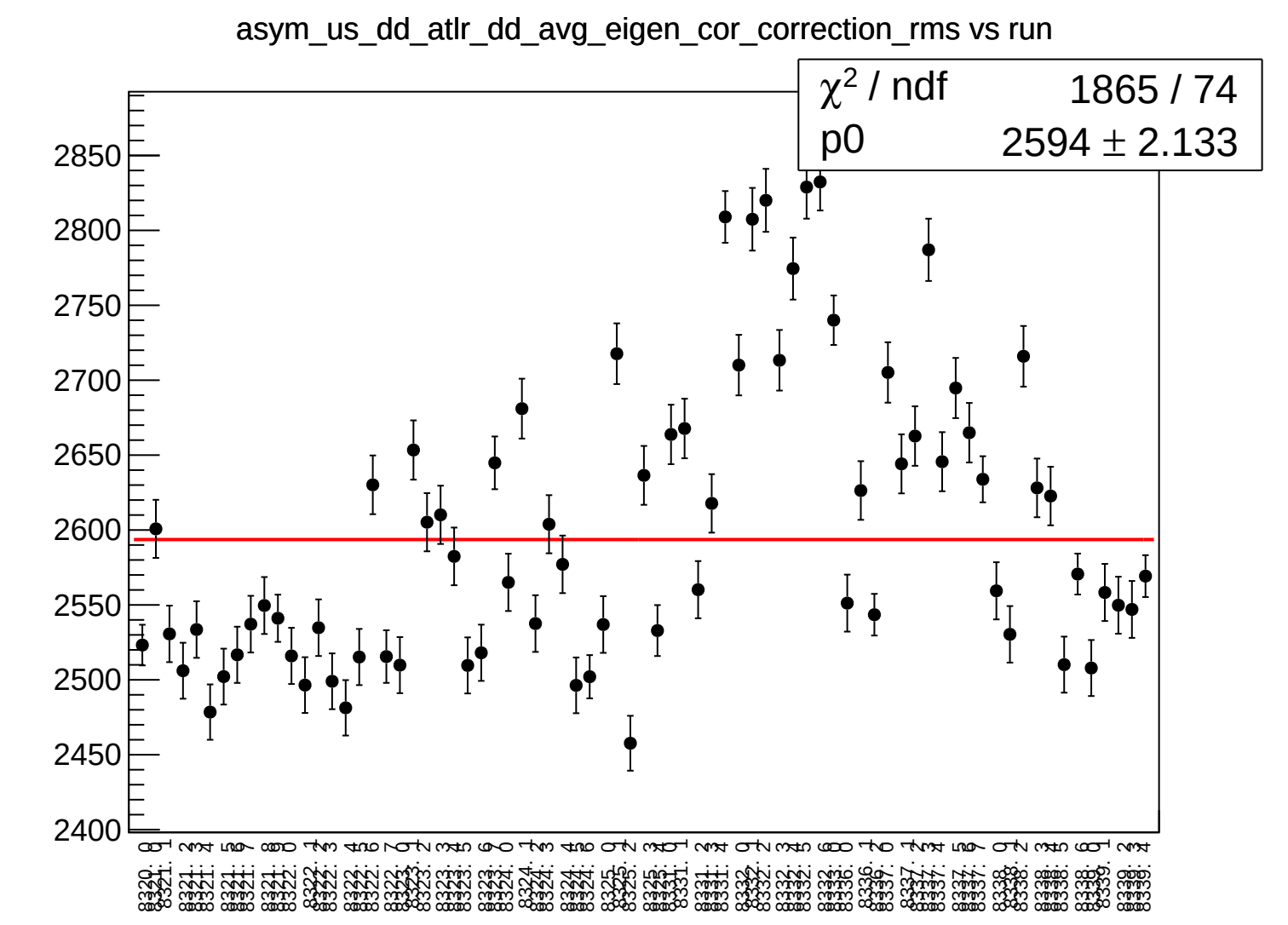

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 103.4 / 74
p0 516.3 ± 2053
pull
Entries 75
Mean 557.3
Std Dev 0

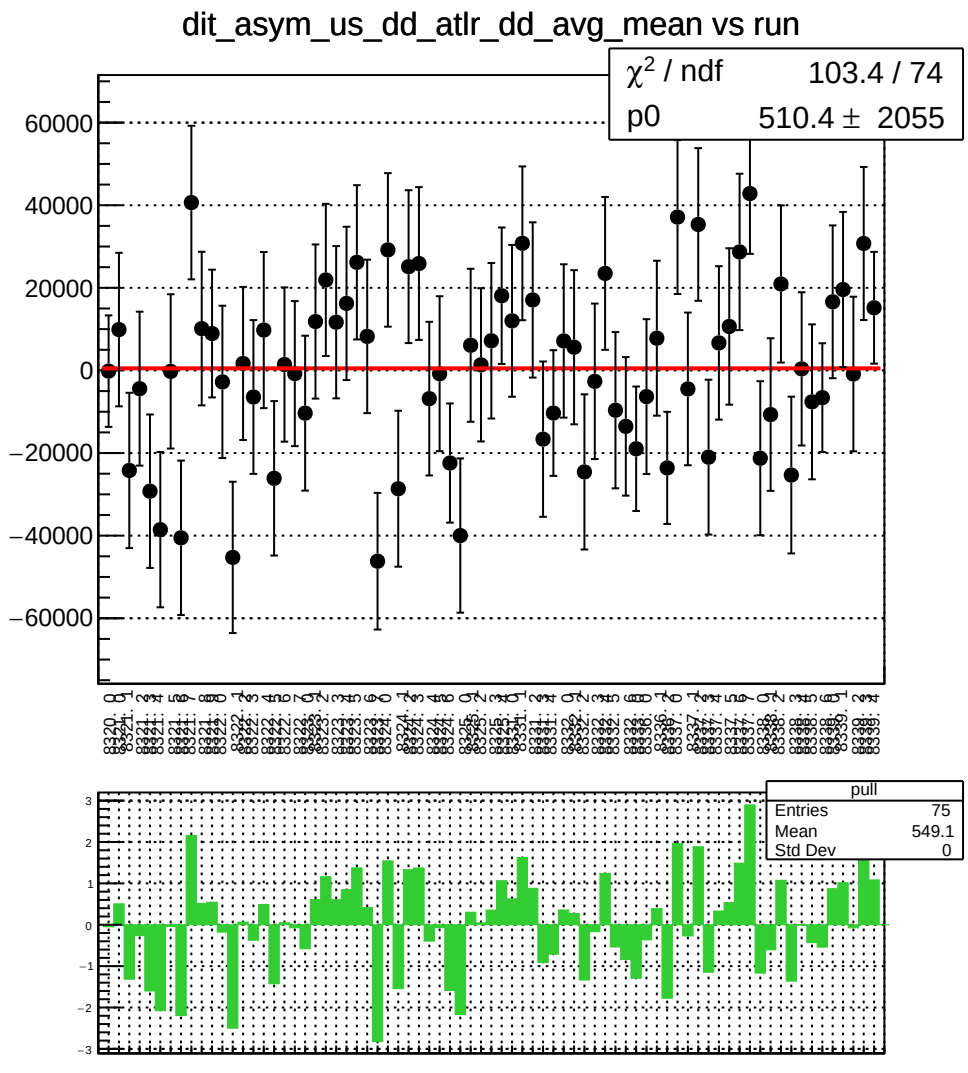

pull1D
Entries 75
Mean 0.009817
Std Dev 1.174

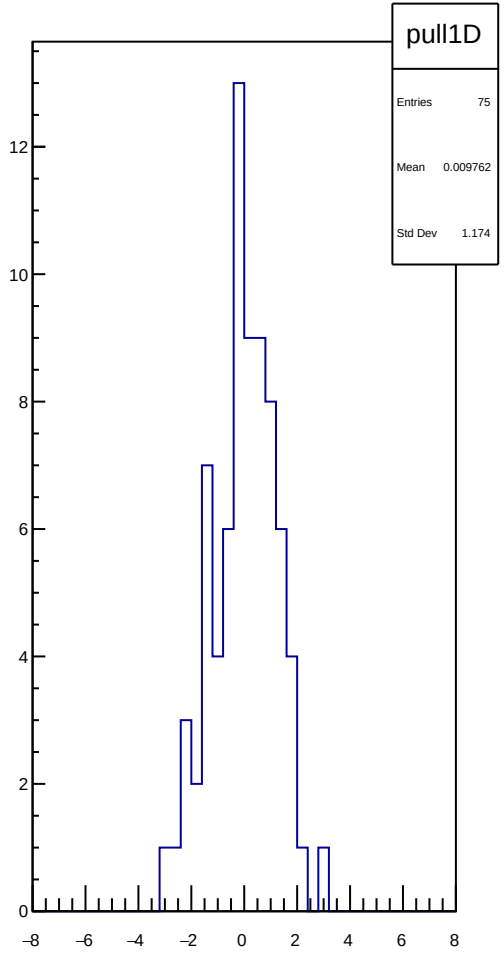

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 93.38 / 74
p0 1766 ± 1.452
1820
1800
1780
1760
1740
1720

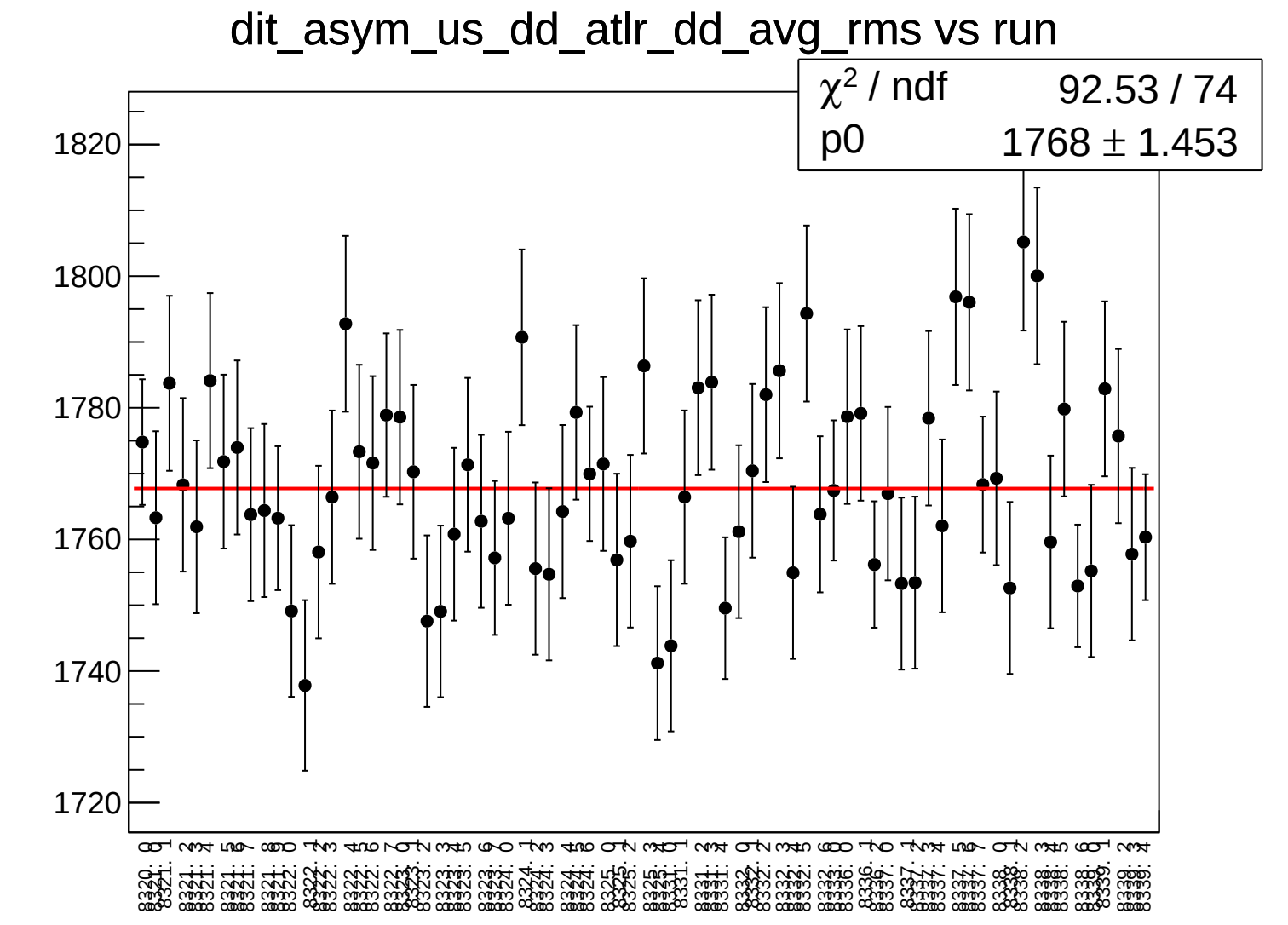

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 82.59 / 74
p0 −3376 ± 3017
pull
Entries 75
Mean −167.3
Std Dev 0

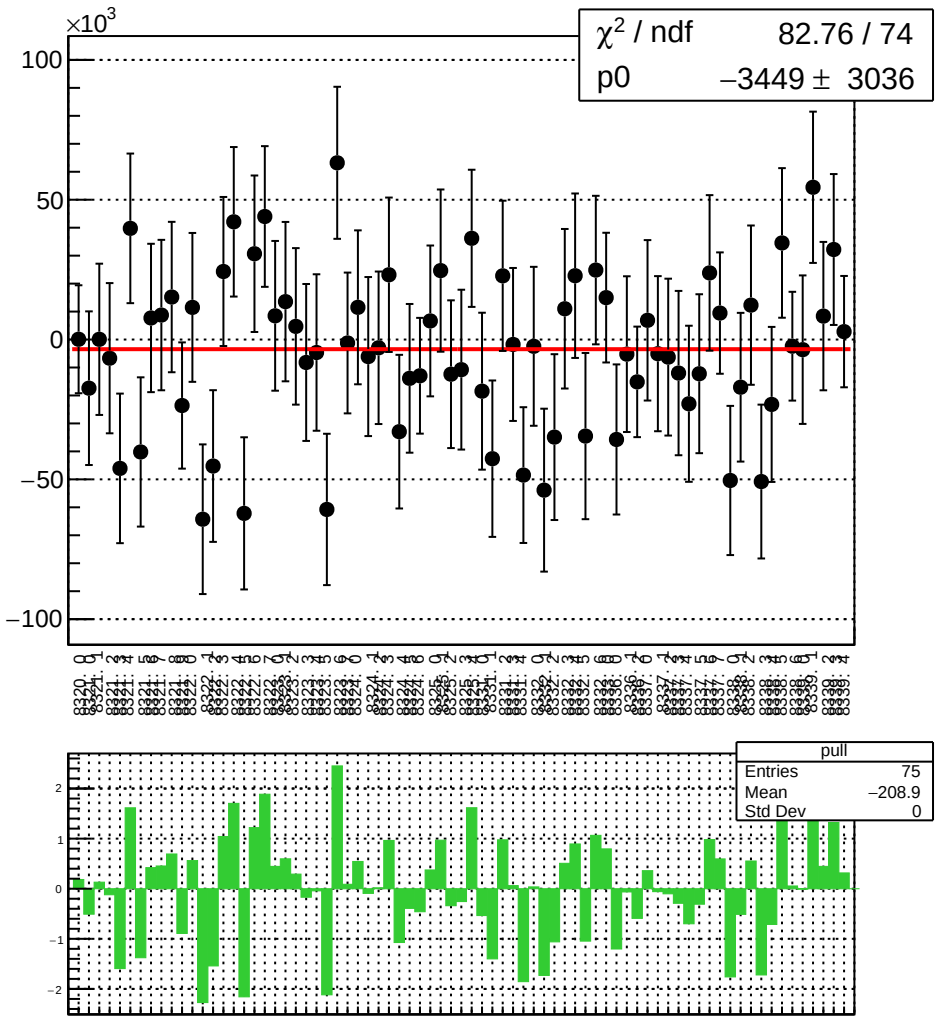

pull1D
Entries 75
Mean −0.004684
Std Dev 1.049

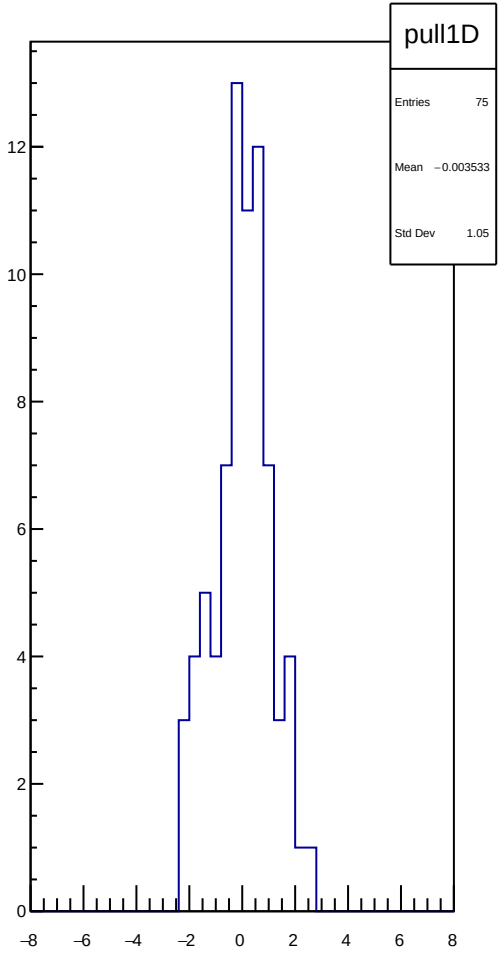

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1865 / 74
p0 2594 ± 2.133
2850
2800
2750
2700
2650
2600
2550
2500
2450
2400

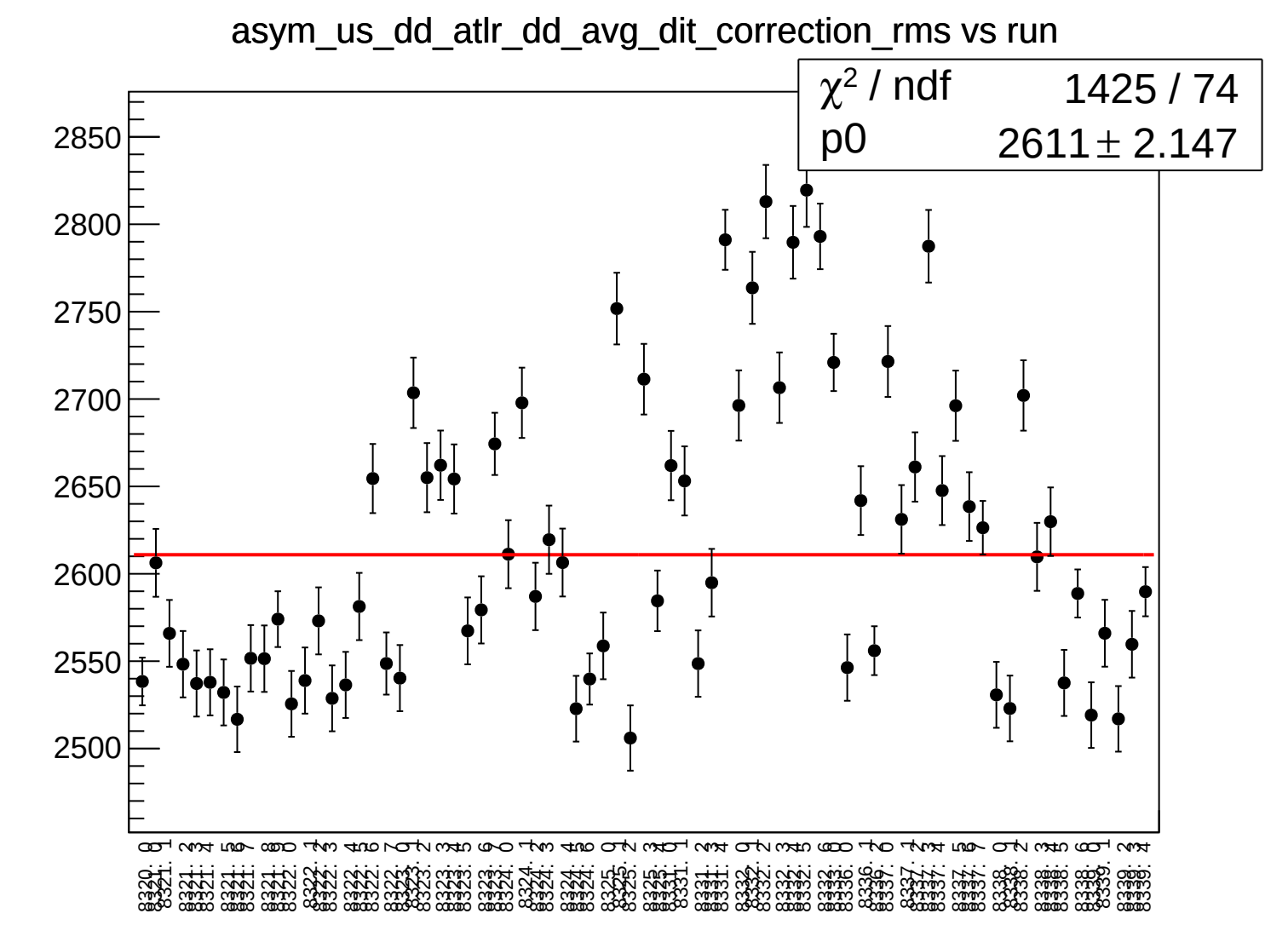

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 103.4 / 74
p0 510.4 ± 2055
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 549.1
Std Dev 0
3
2
1
0
−1
−2
−3

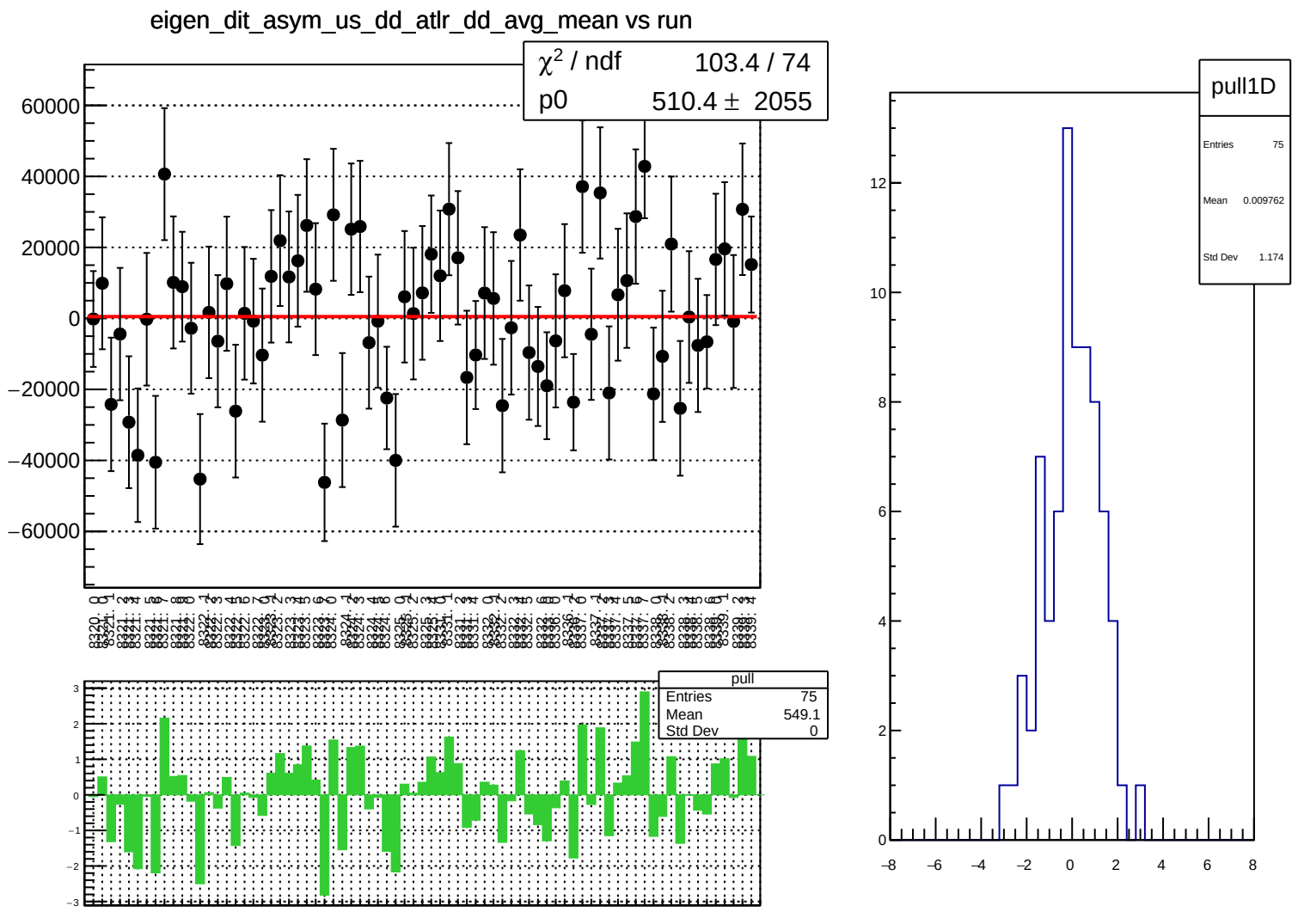

pull1D
Entries 75
Mean 0.009762
Std Dev 1.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

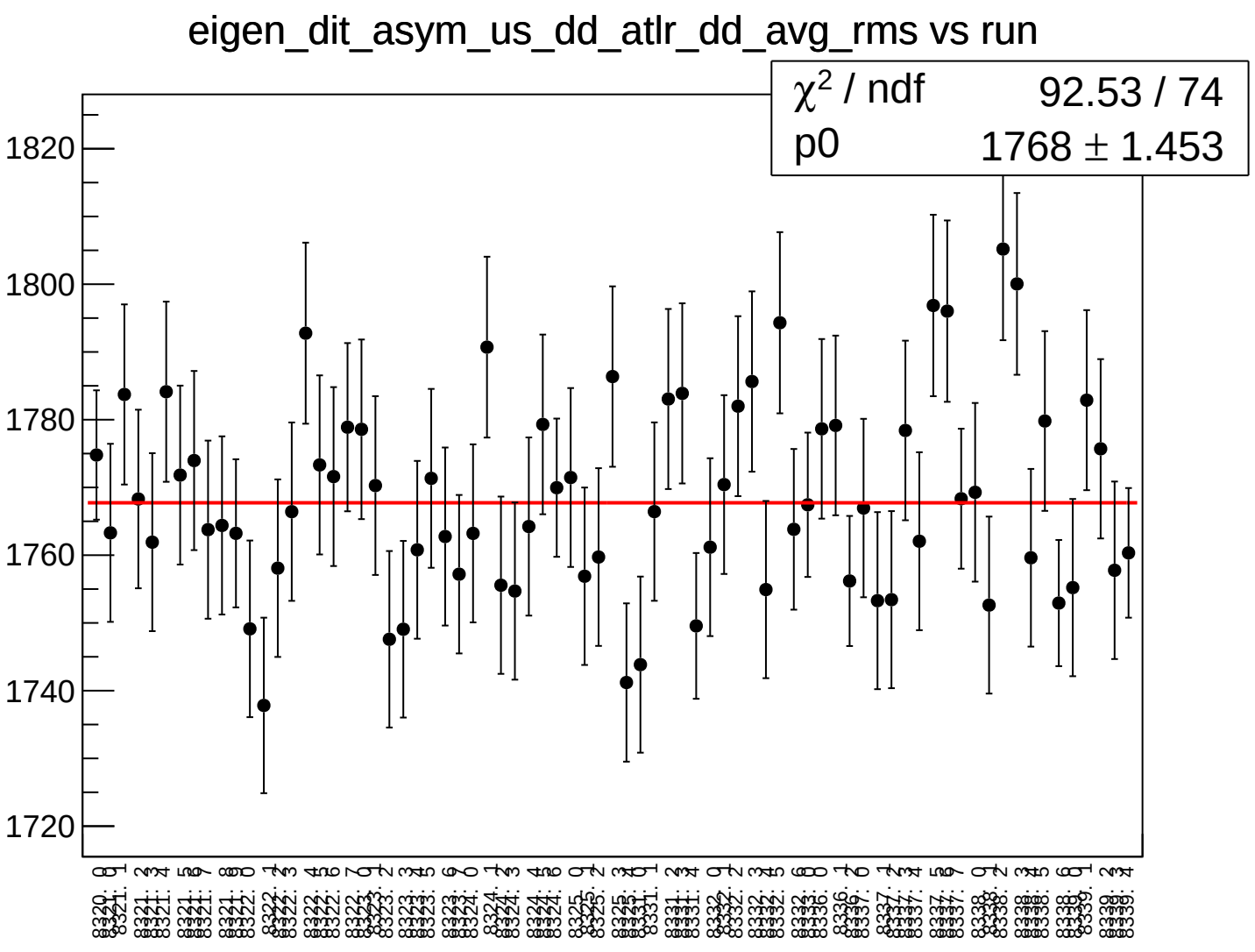

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 92.53 / 74
p0 1768 ± 1.453
1820
1800
1780
1760
1740
1720

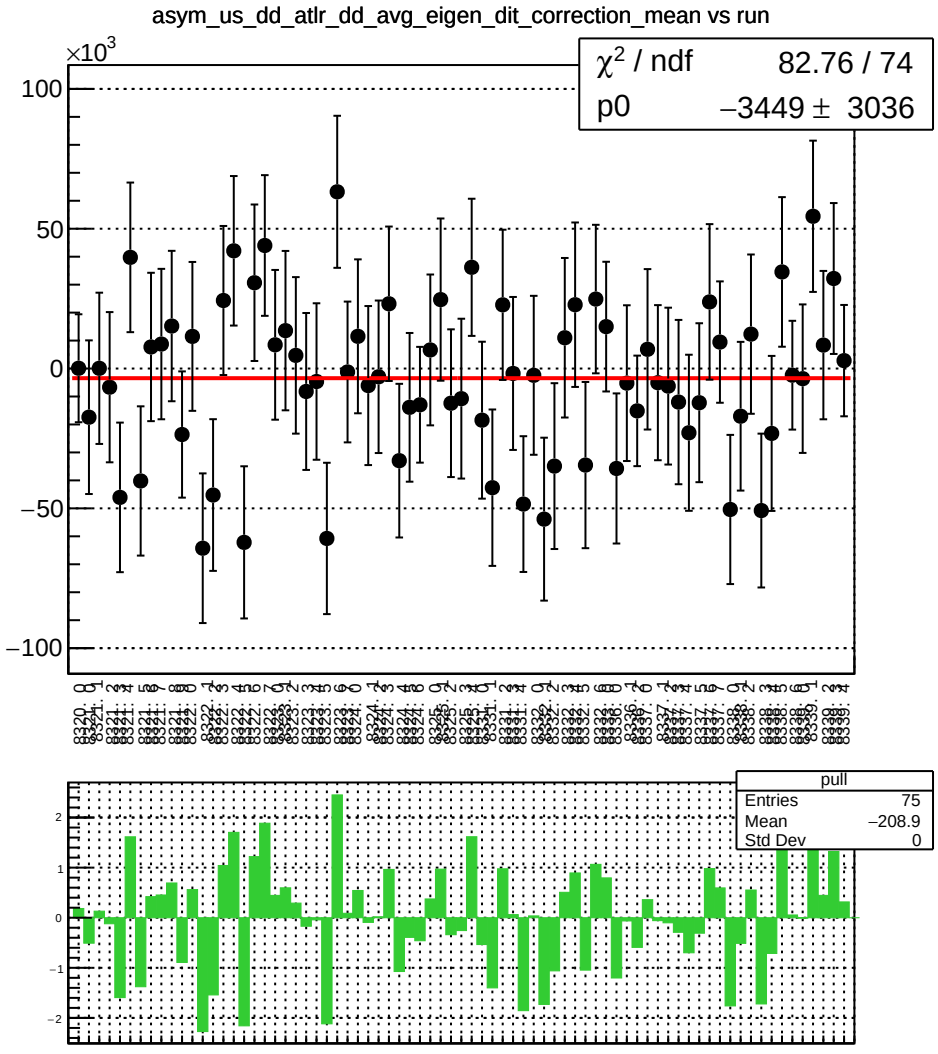

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 82.76 / 74
p0 −3449 ± 3036
100
50
0
−50
−100
pull
Entries 75
Mean −208.9
Std Dev 0
2
1
0
−1
−2

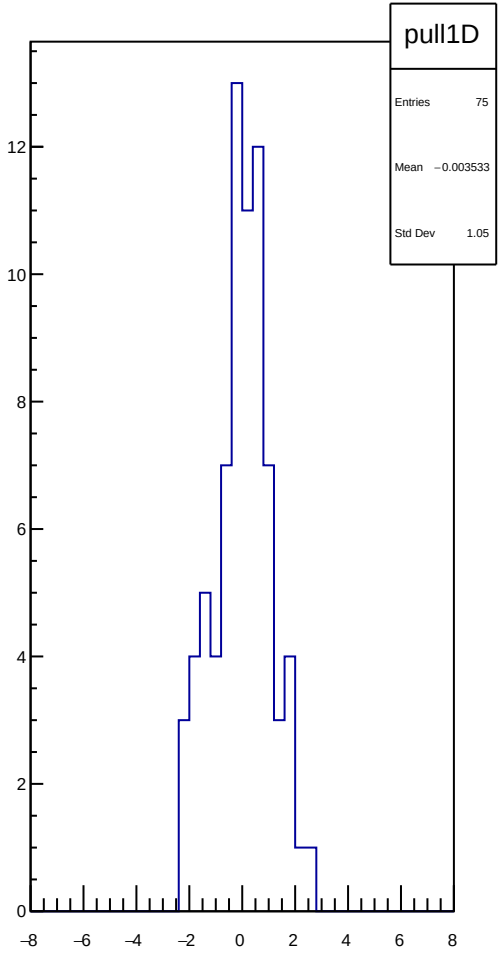

pull1D
Entries 75
Mean −0.003533
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

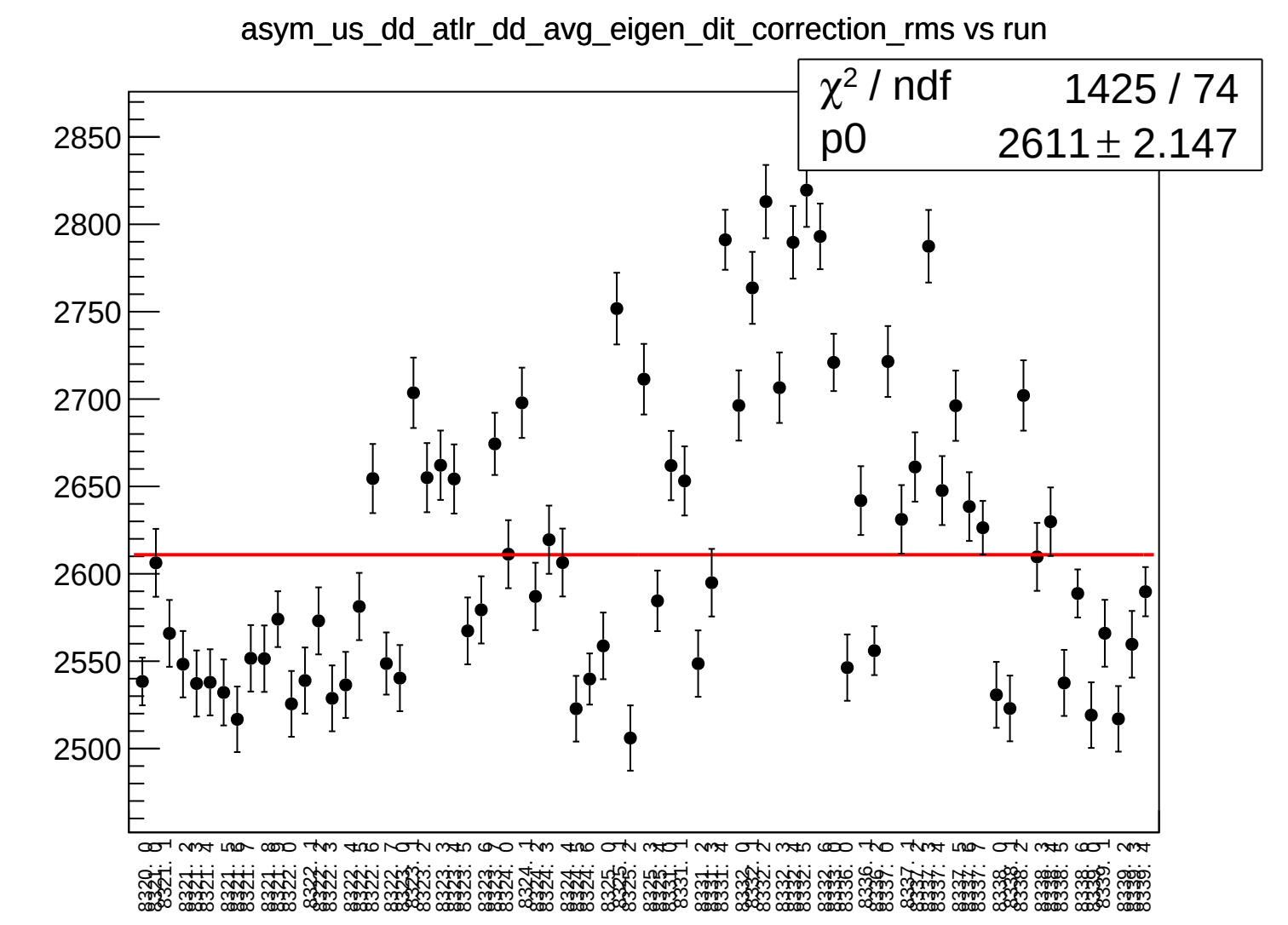

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 1425 / 74
p0 2611 ± 2.147
2850
2800
2750
2700
2650
2600
2550
2500

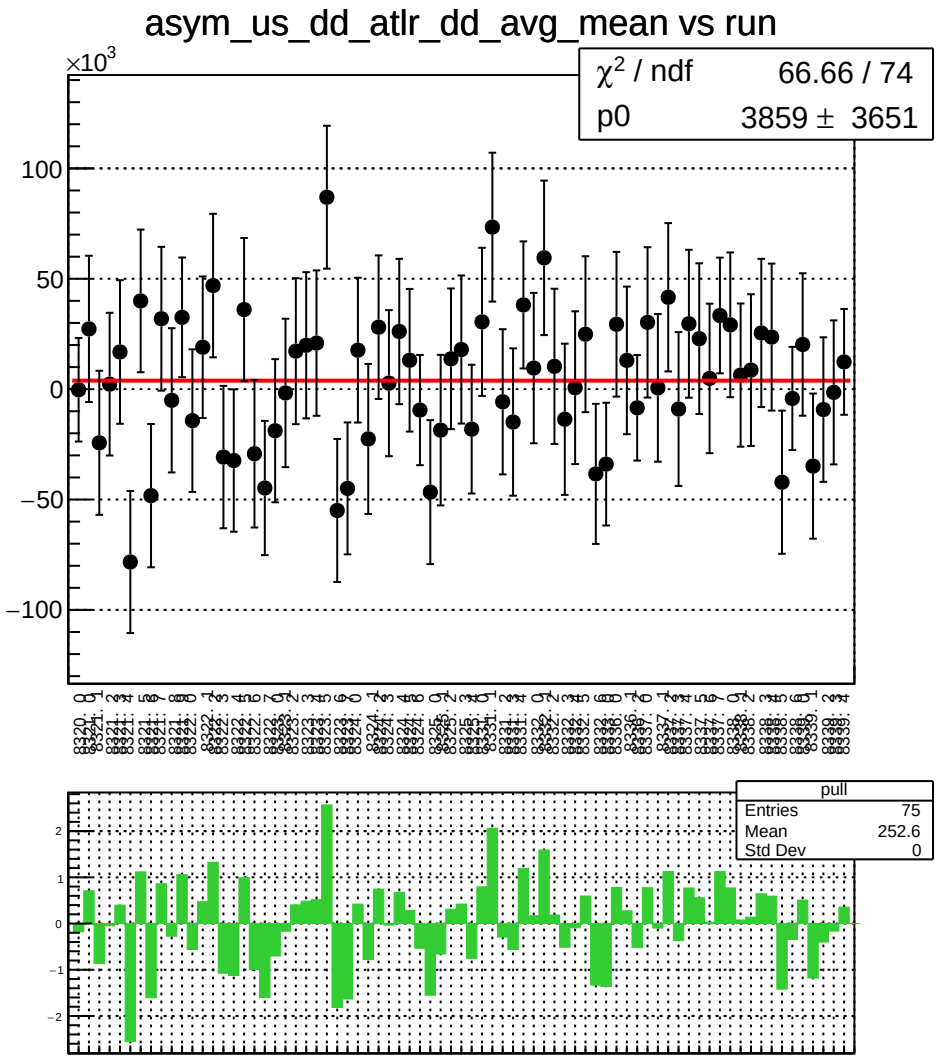

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 103.4 / 74
p0 510.4 ± 2055
pull
Entries 75
Mean 549.1
Std Dev 0
pull1D
Entries 75
Mean 0.009762
Std Dev 1.174

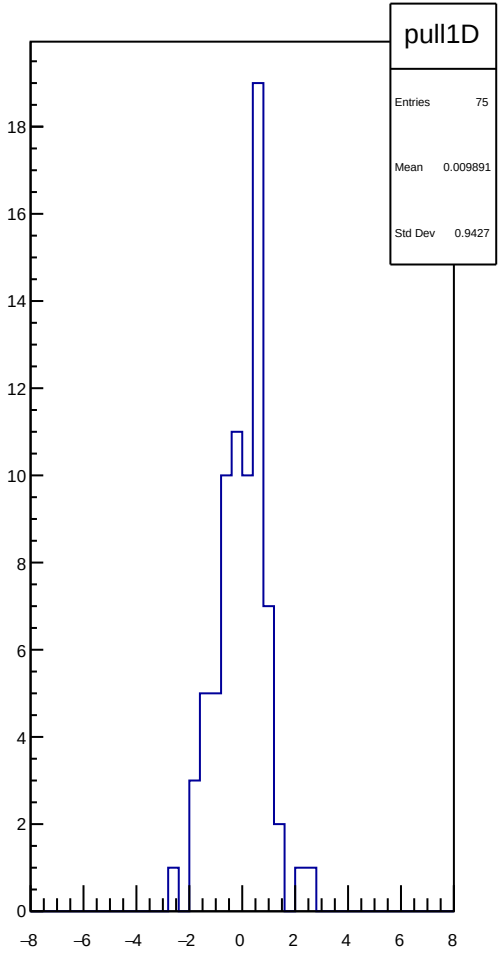

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 92.53 / 74
p0 1768 ± 1.453
1820
1800
1780
1760
1740
1720

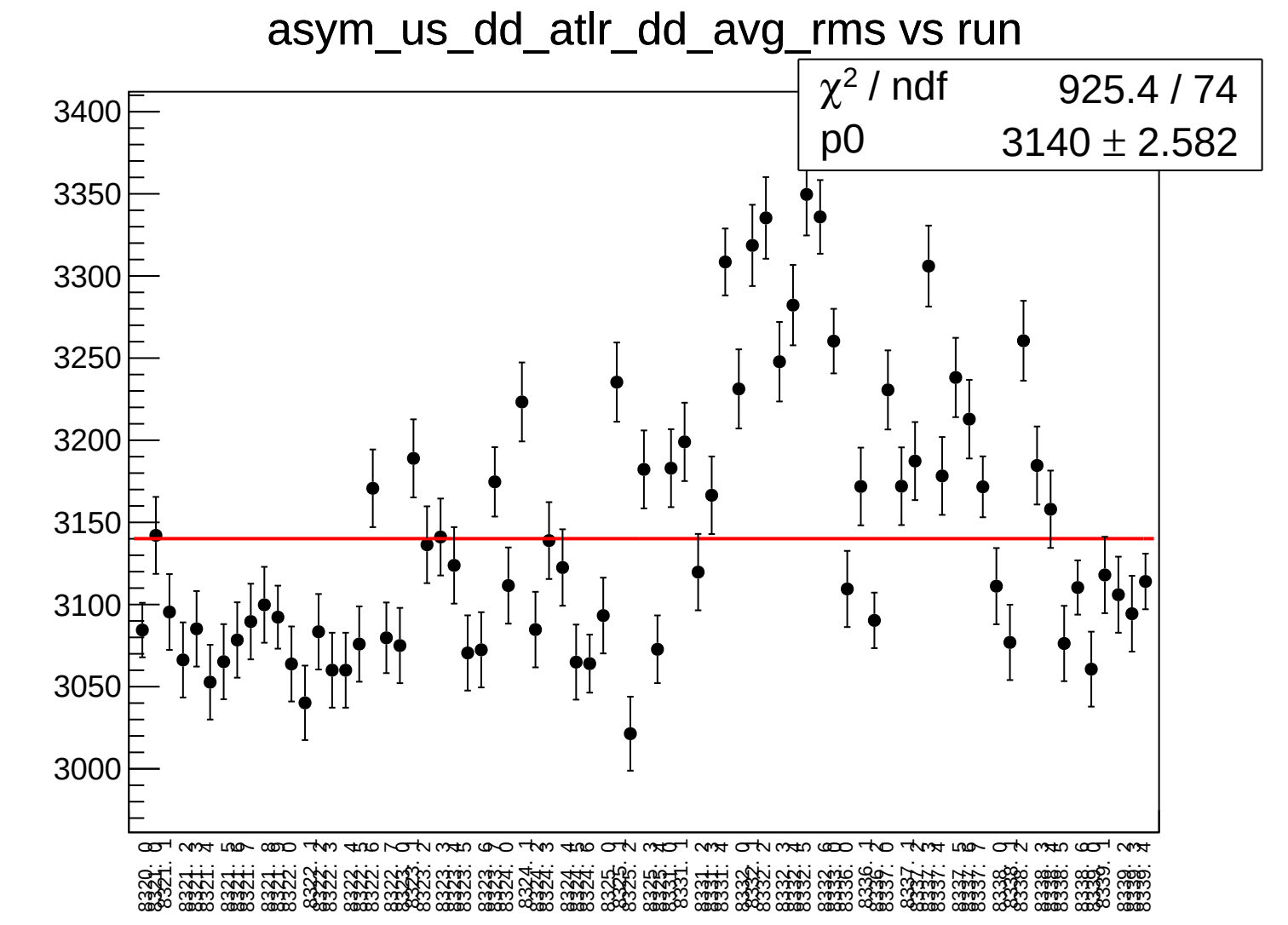

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 82.76 / 74
p0 −3449 ± 3036
100
50
0
−50
−100
pull
Entries 75
Mean −208.9
Std Dev 0
2
1
0
−1
−2

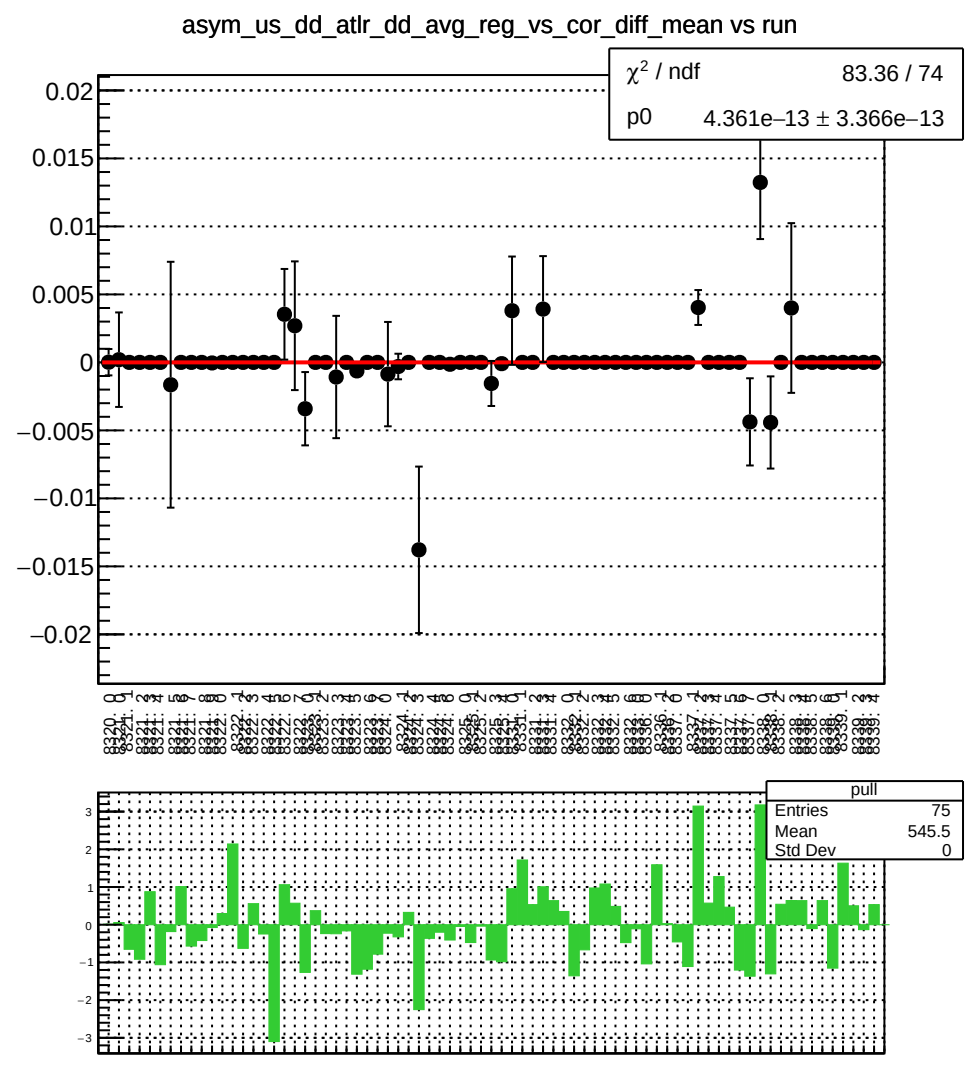

pull1D
Entries 75
Mean −0.003533
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

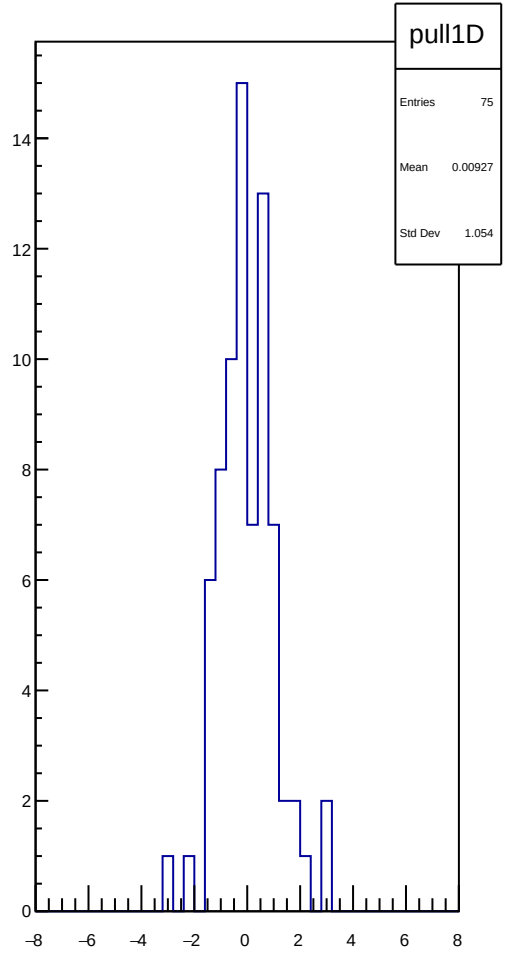

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1425 / 74
p0 2611 ± 2.147
2850
2800
2750
2700
2650
2600
2550
2500

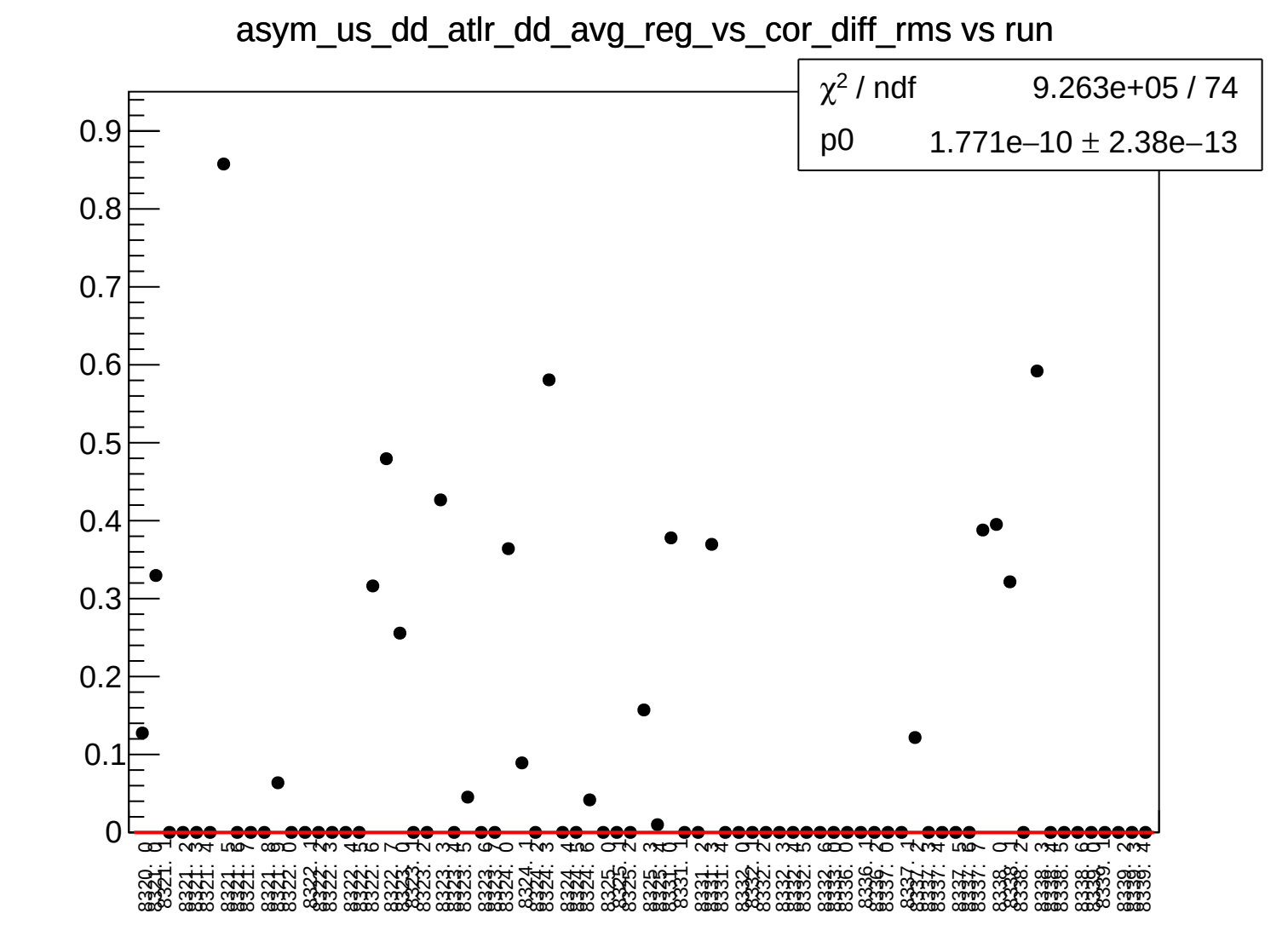

asym_us_dd_atlr_dd_avg_mean vs run
×10^3
χ² / ndf 66.66 / 74
p0 3859 ± 3651
100
50
0
−50
−100
pull
Entries 75
Mean 252.6
Std Dev 0
2
1
0
−1
−2

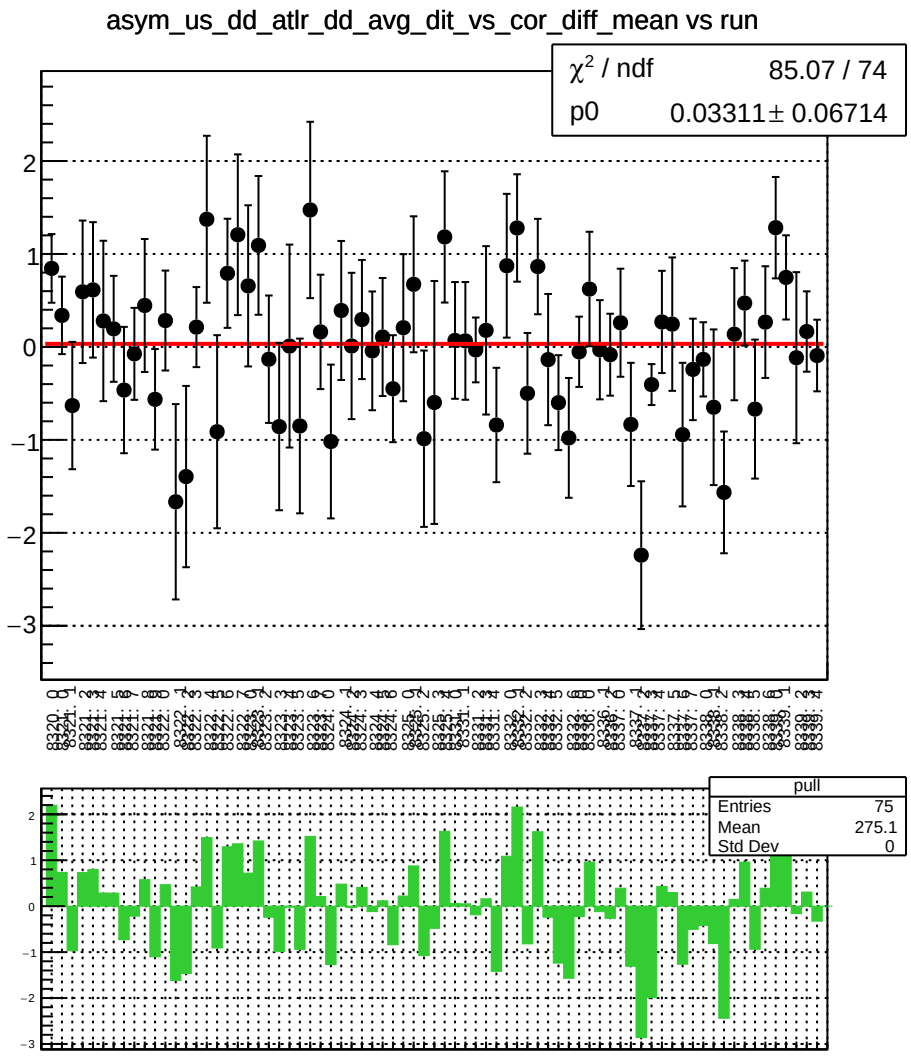

pull1D
Entries 75
Mean 0.009891
Std Dev 0.9427
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

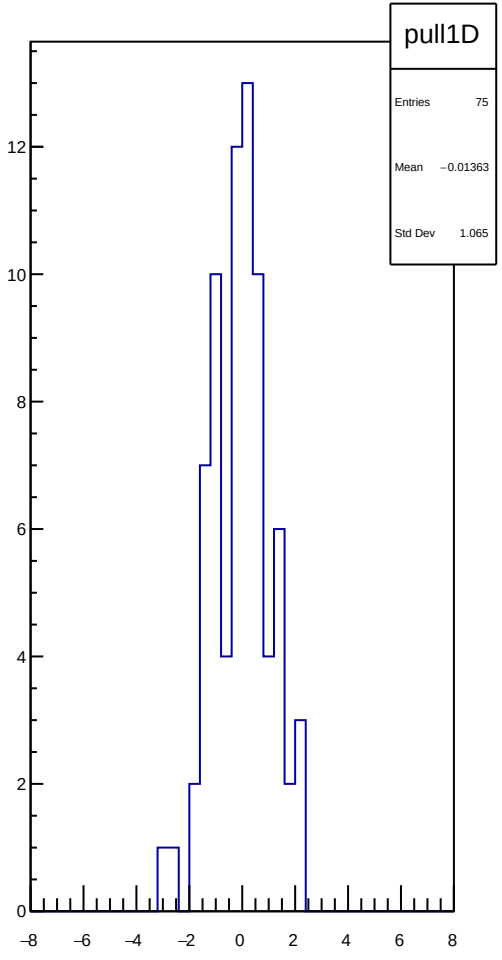

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 925.4 / 74
p0 3140 ± 2.582
3400
3350
3300
3250
3200
3150
3100
3050
3000

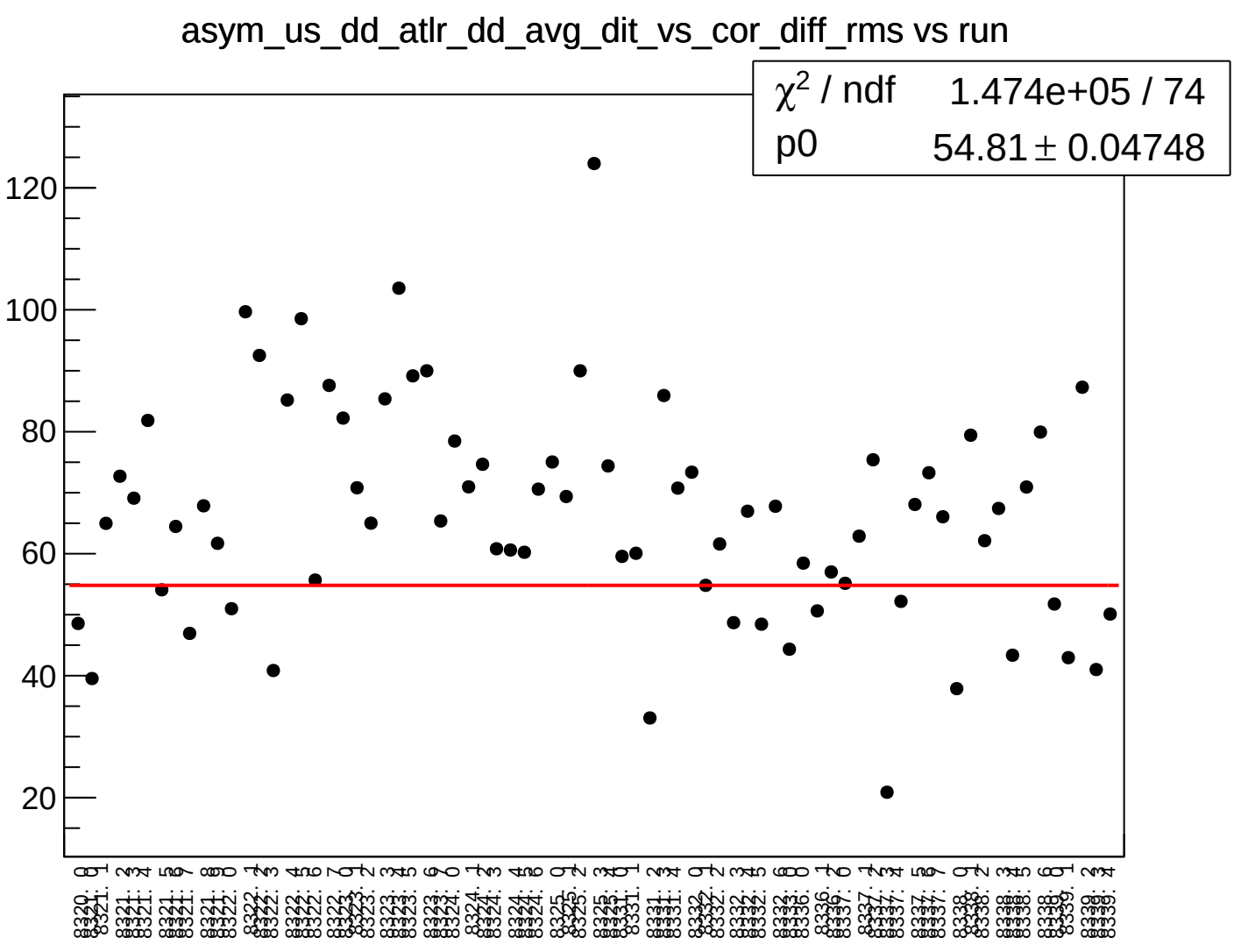

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.36 / 74
p0 4.361e−13 ± 3.366e−13
pull
Entries 75
Mean 545.5
Std Dev 0

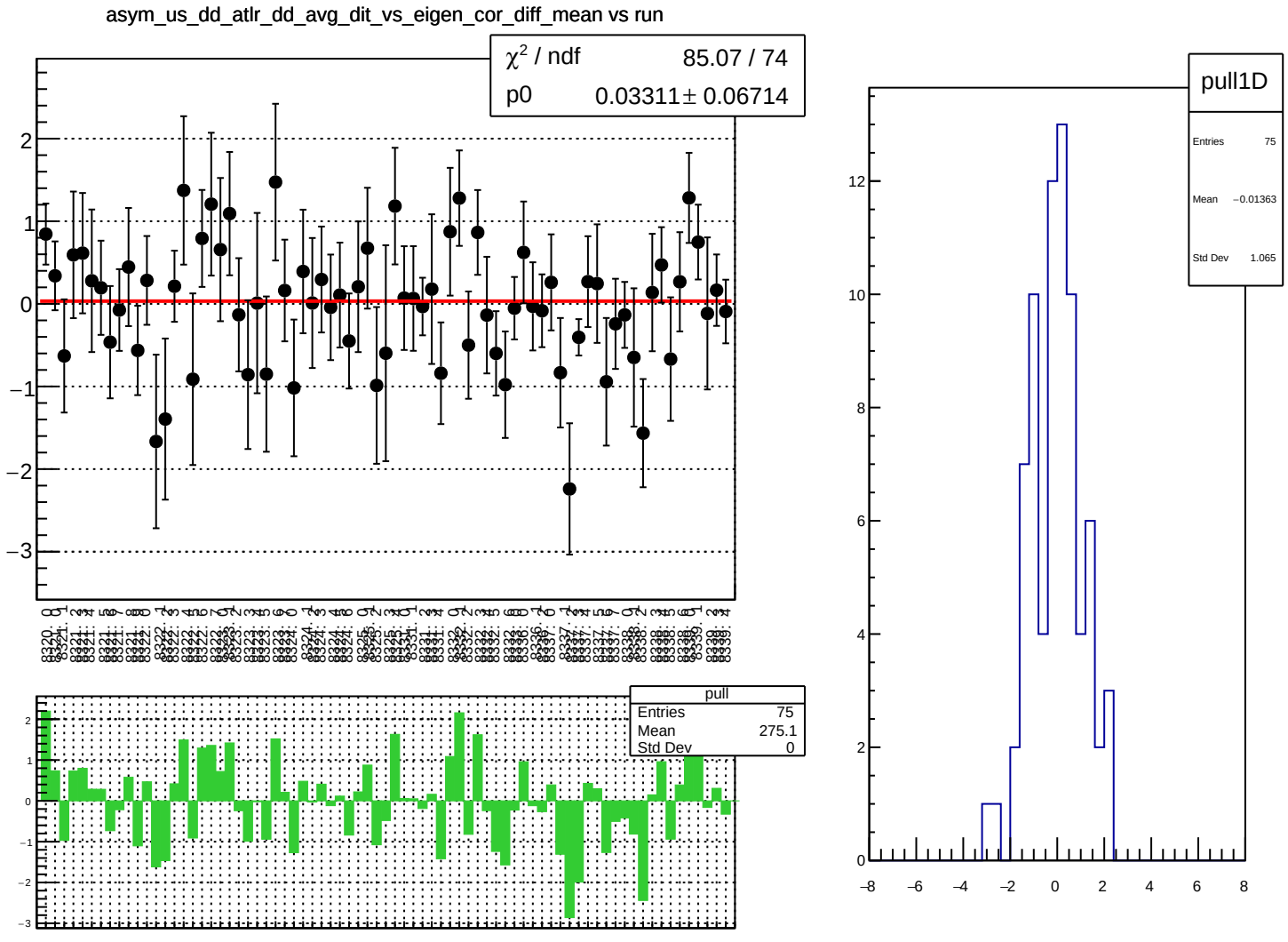

pull1D
Entries 75
Mean 0.00927
Std Dev 1.054

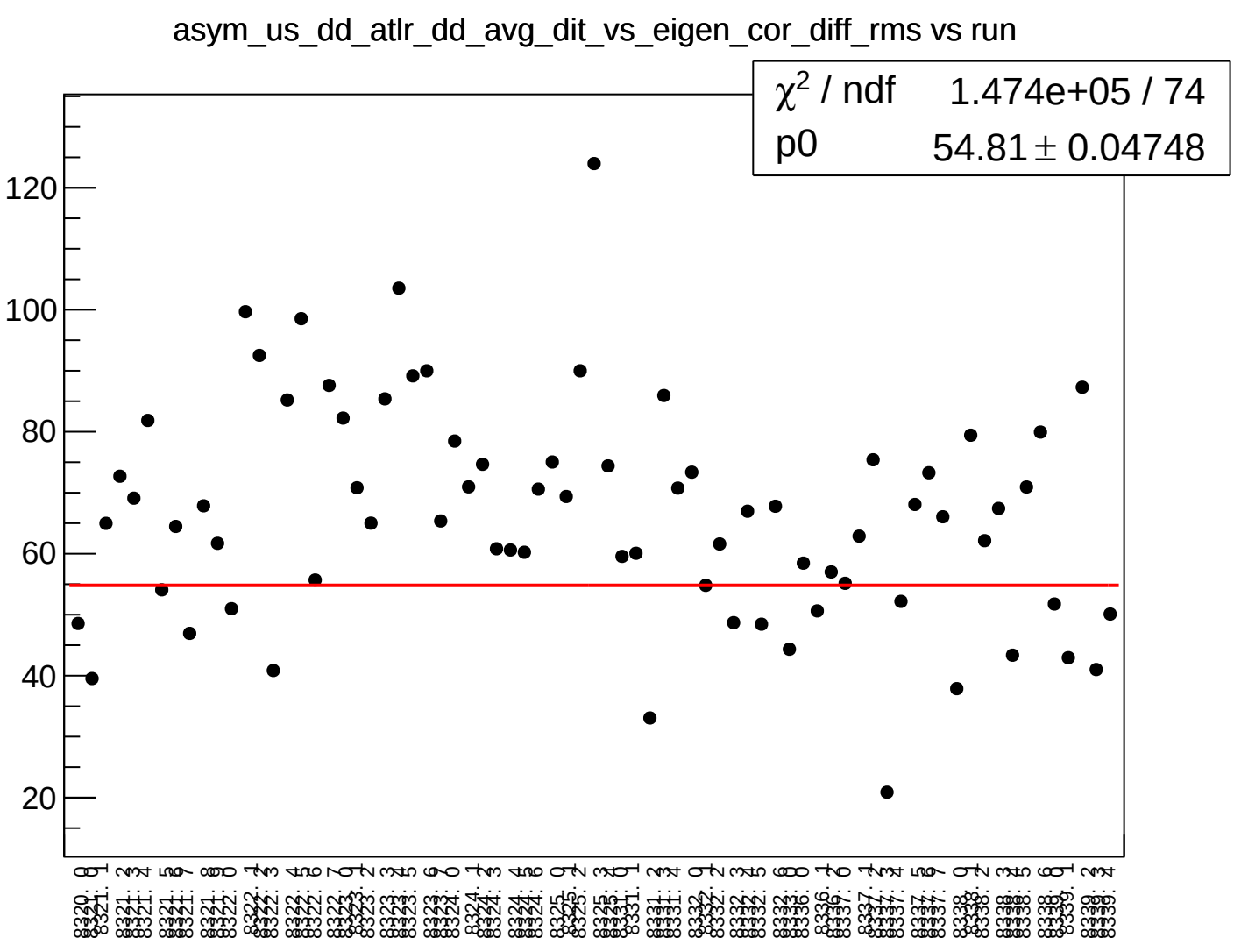

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 9.263e+05 / 74
p0 1.771e−10 ± 2.38e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

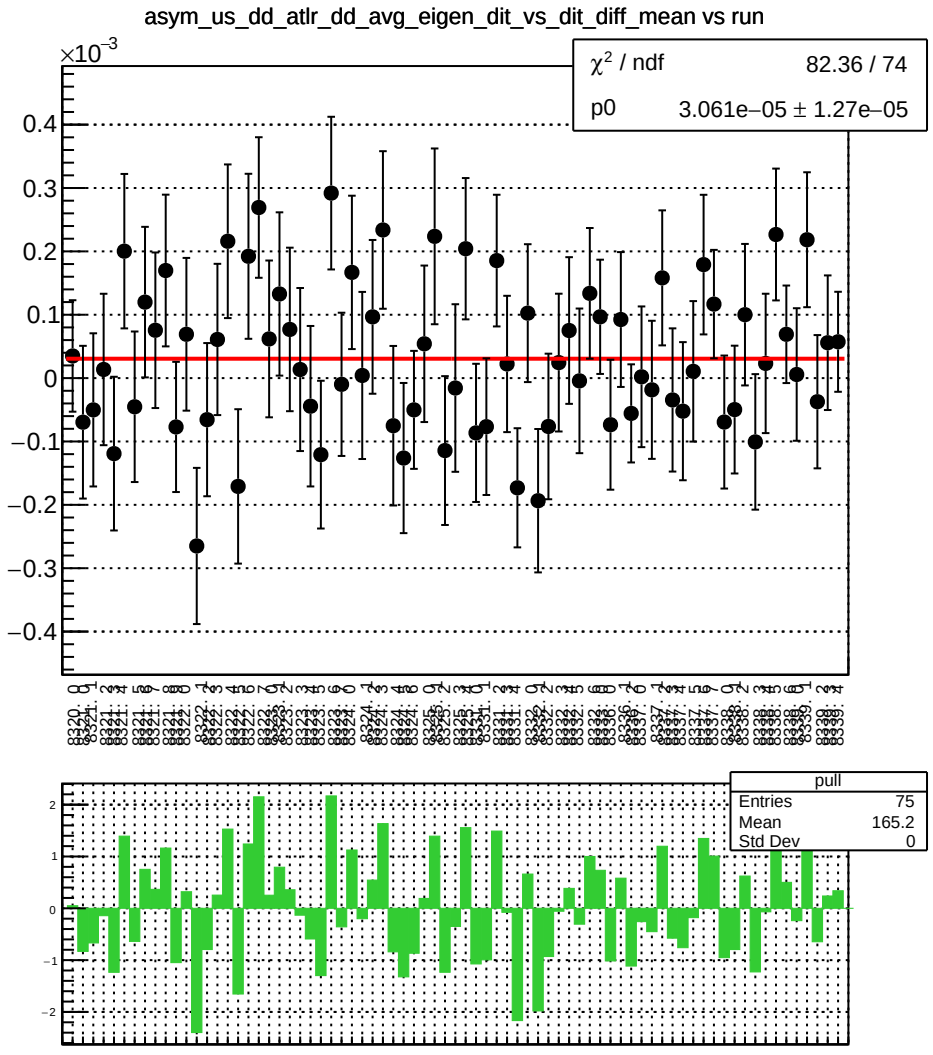

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 85.07 / 74
p0 0.03311 ± 0.06714
pull
Entries 75
Mean 275.1
Std Dev 0

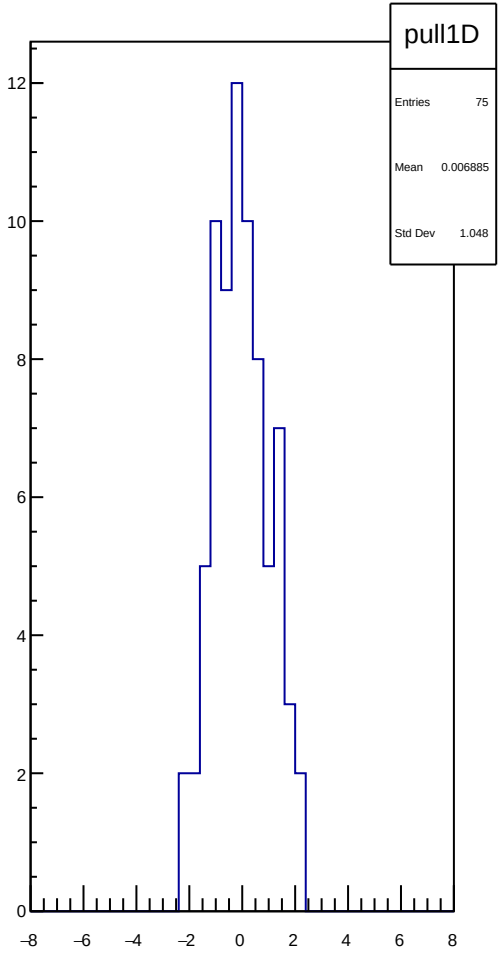

pull1D
Entries 75
Mean −0.01363
Std Dev 1.065

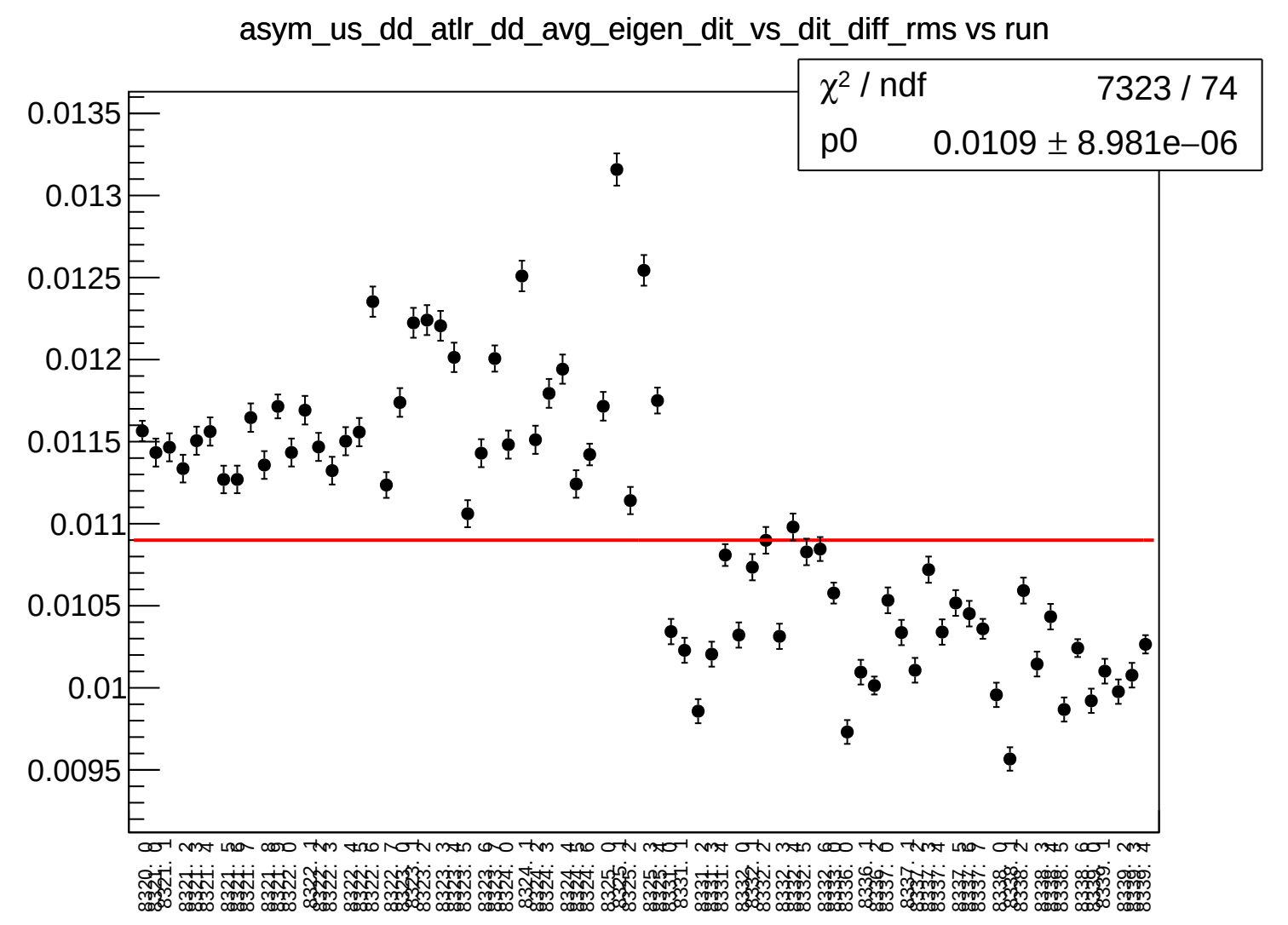

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.474e+05 / 74
p0 54.81 ± 0.04748
120
100
80
60
40
20

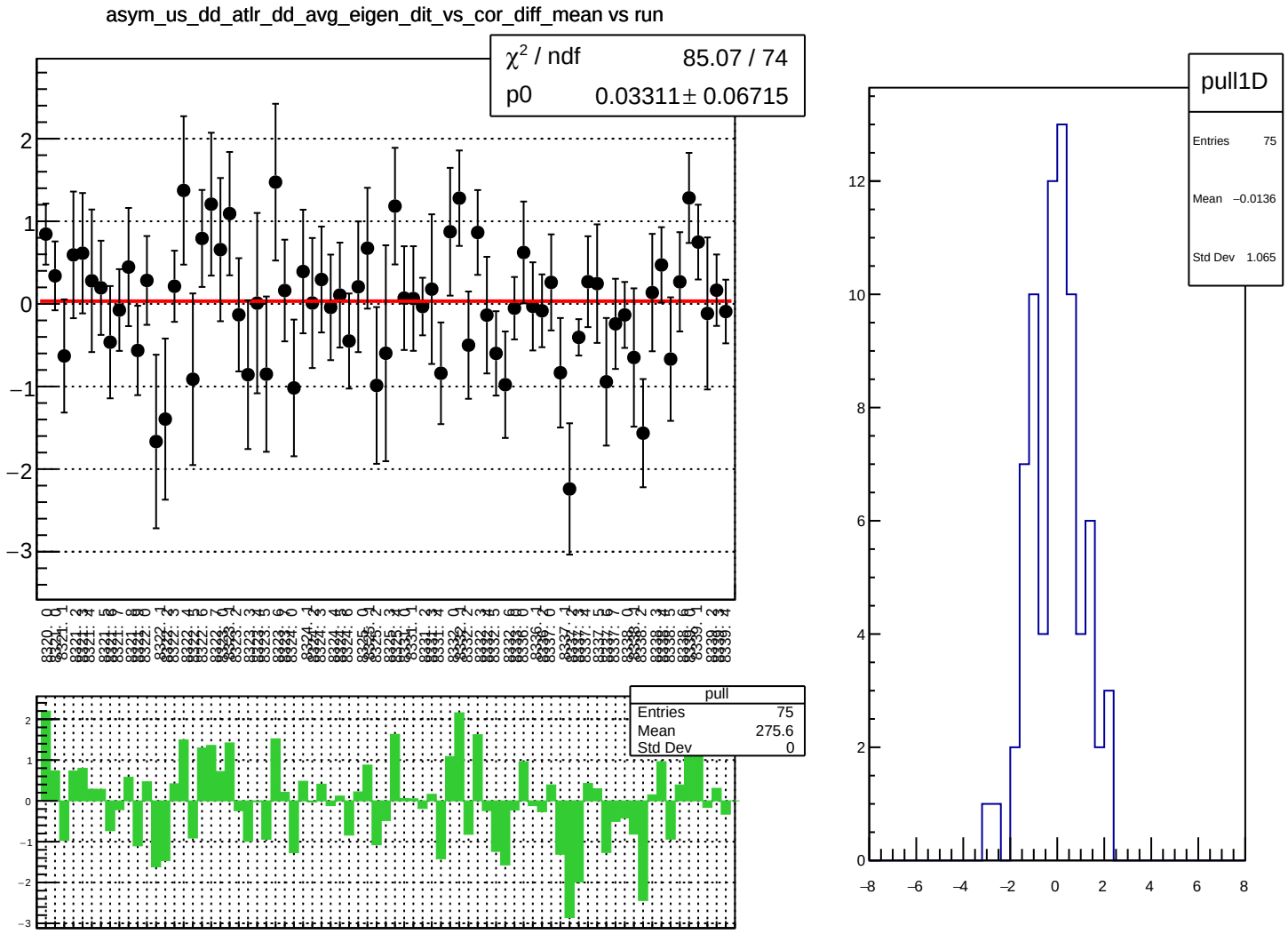

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.07 / 74
p0 0.03311 ± 0.06714
pull
Entries 75
Mean 275.1
Std Dev 0
pull1D
Entries 75
Mean −0.01363
Std Dev 1.065

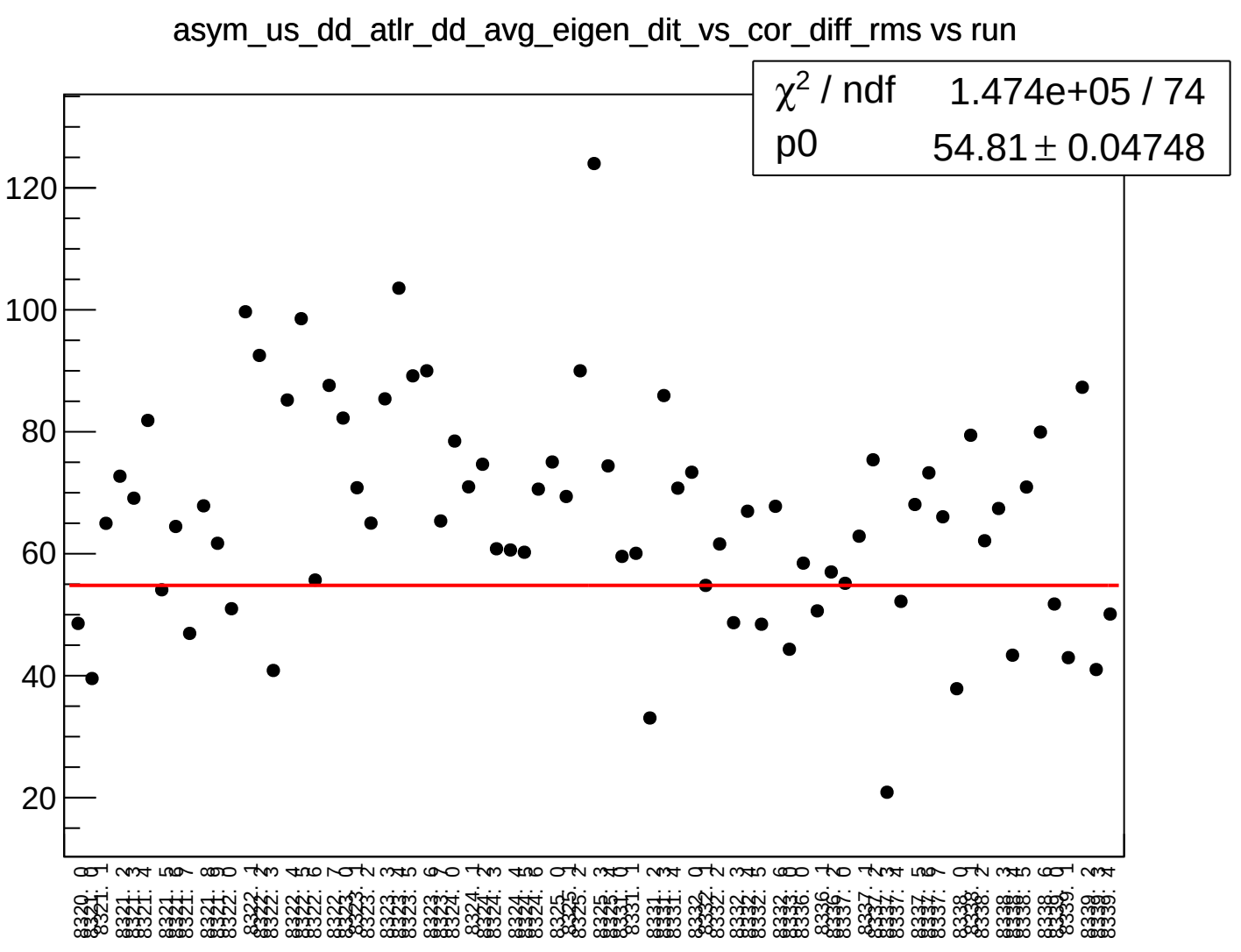

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.474e+05 / 74
p0 54.81 ± 0.04748
120
100
80
60
40
20

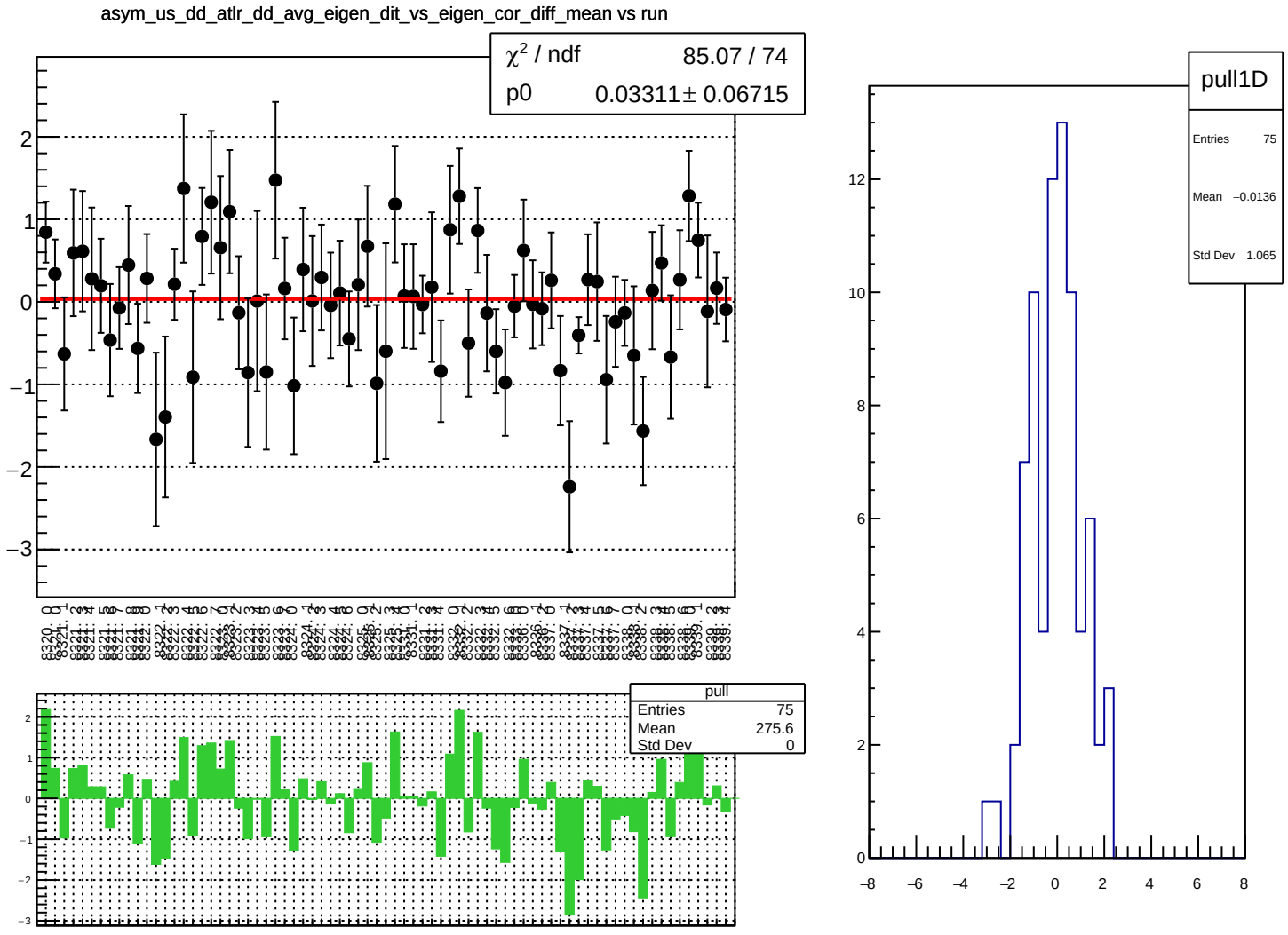

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.36 / 74
p0 3.061e−05 ± 1.27e−05
pull
Entries 75
Mean 165.2
Std Dev 0

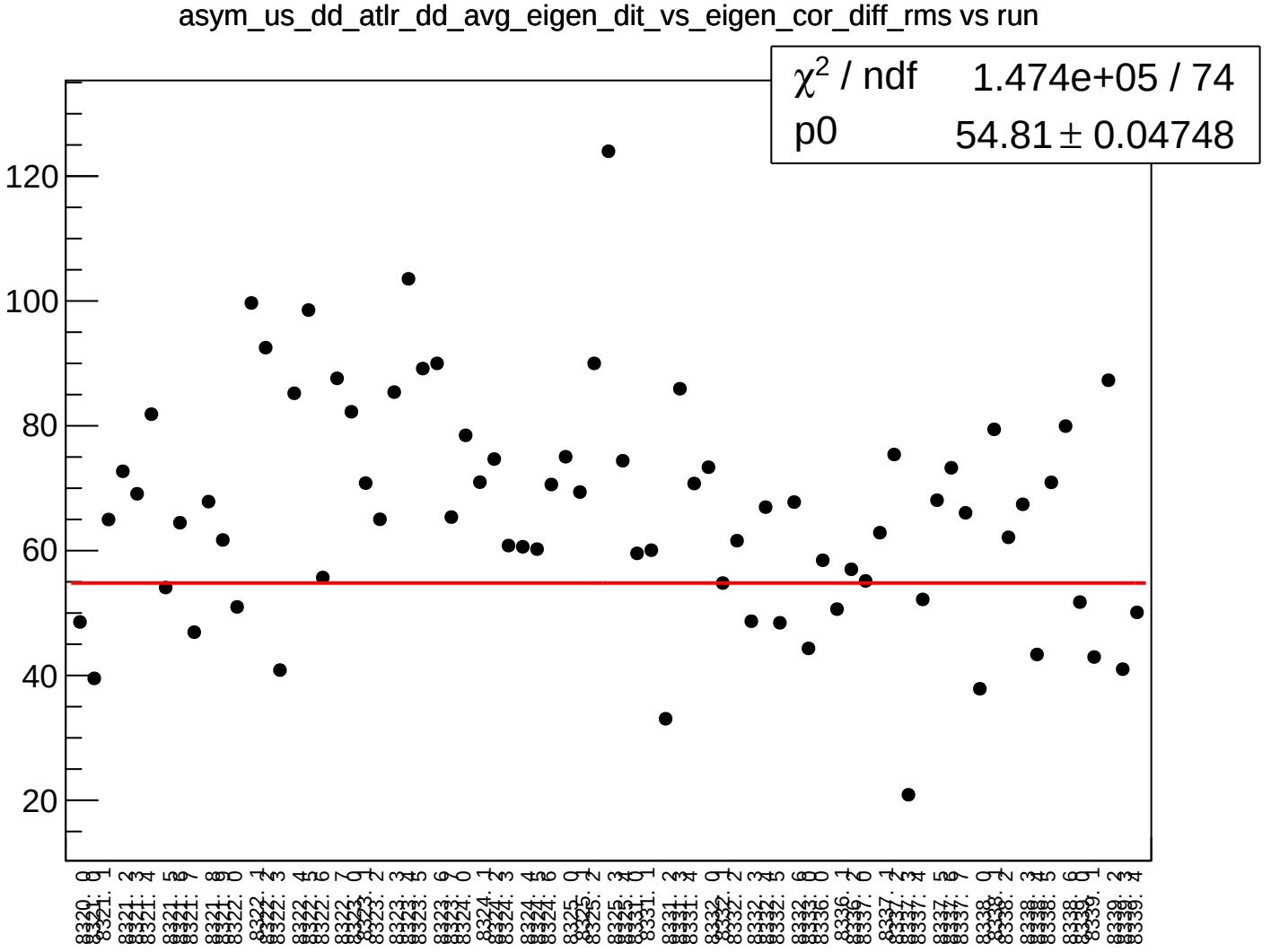

pull1D
Entries 75
Mean 0.006885
Std Dev 1.048

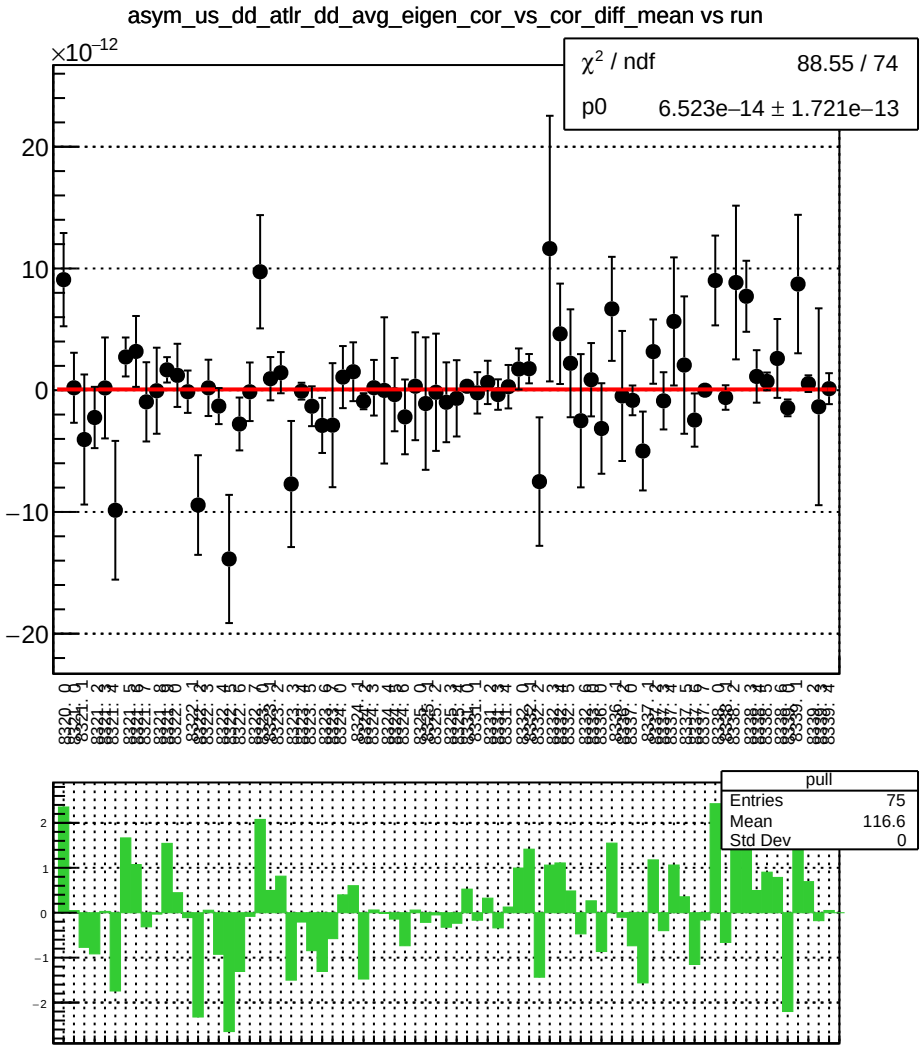

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7323 / 74
p0 0.0109 ± 8.981e−06
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095

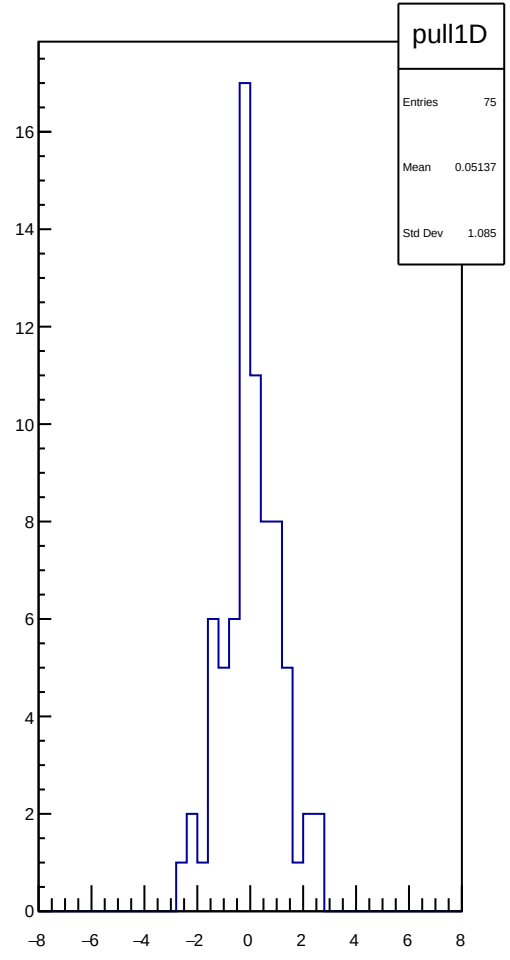

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.07 / 74
p0 0.03311 ± 0.06715
pull
Entries 75
Mean 275.6
Std Dev 0
pull1D
Entries 75
Mean −0.0136
Std Dev 1.065

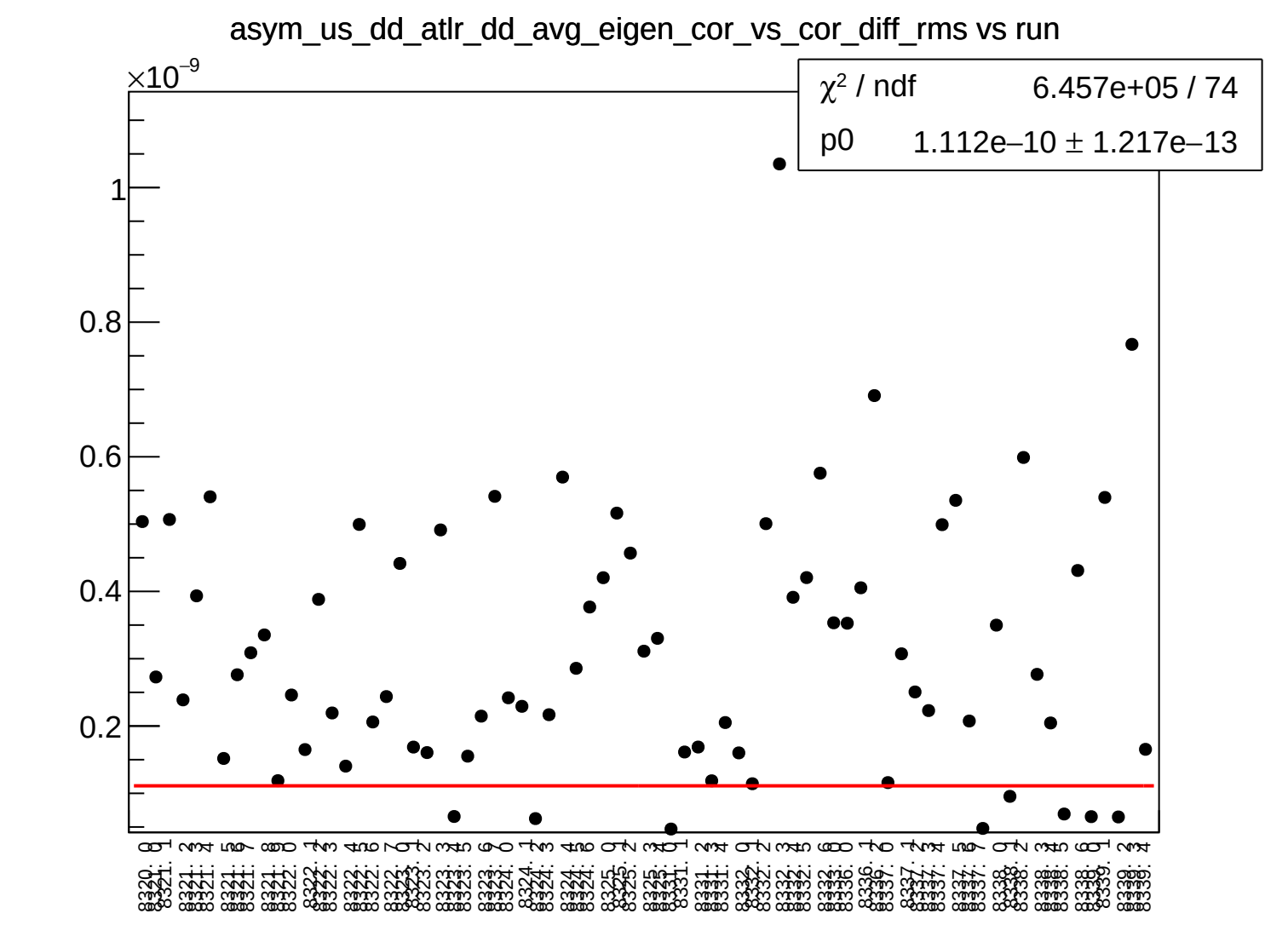

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.474e+05 / 74
p0 54.81 ± 0.04748
120
100
80
60
40
20

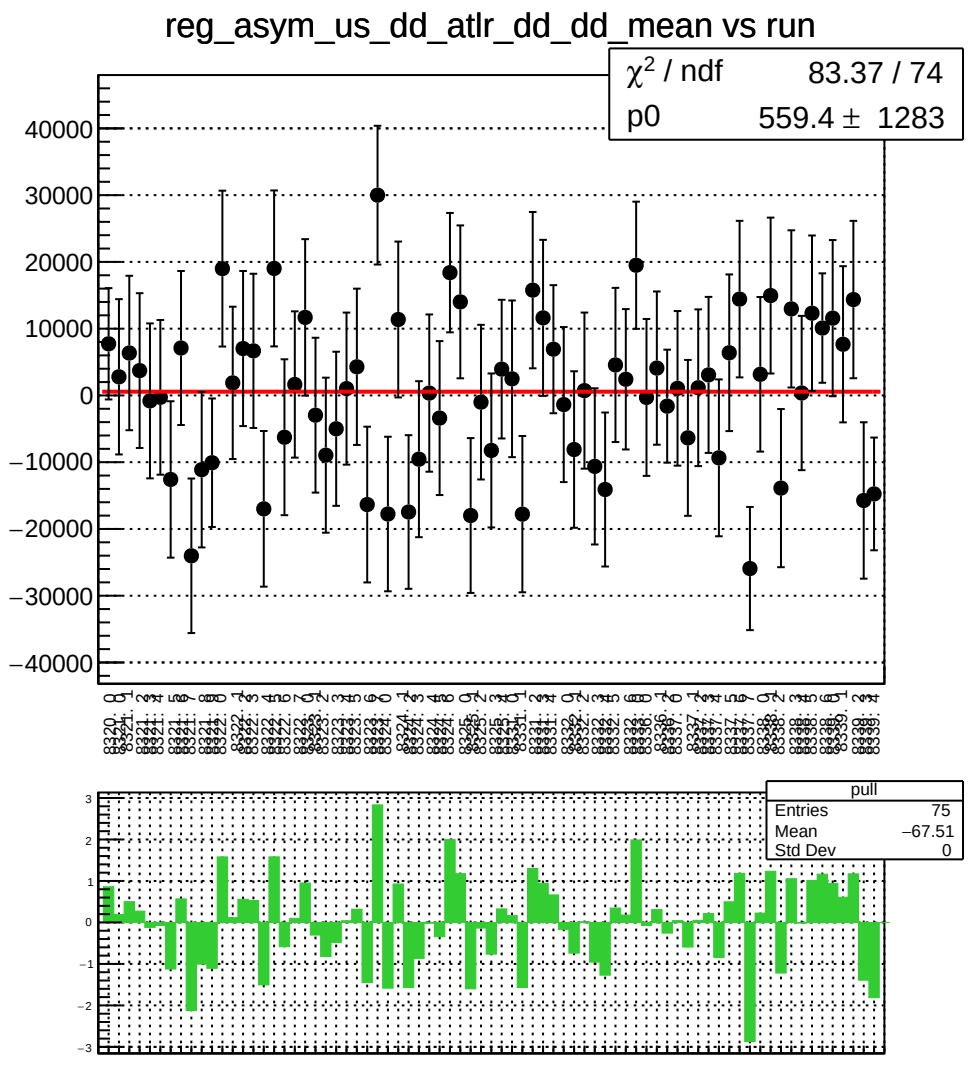

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.07 / 74
p0 0.03311 ± 0.06715
pull
Entries 75
Mean 275.6
Std Dev 0
pull1D
Entries 75
Mean −0.0136
Std Dev 1.065

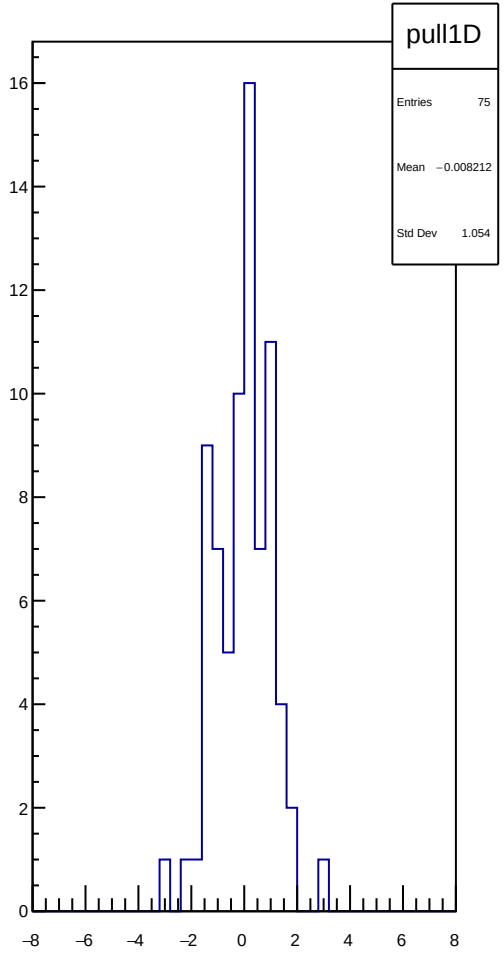

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.474e+05 / 74
p0 54.81 ± 0.04748
120
100
80
60
40
20

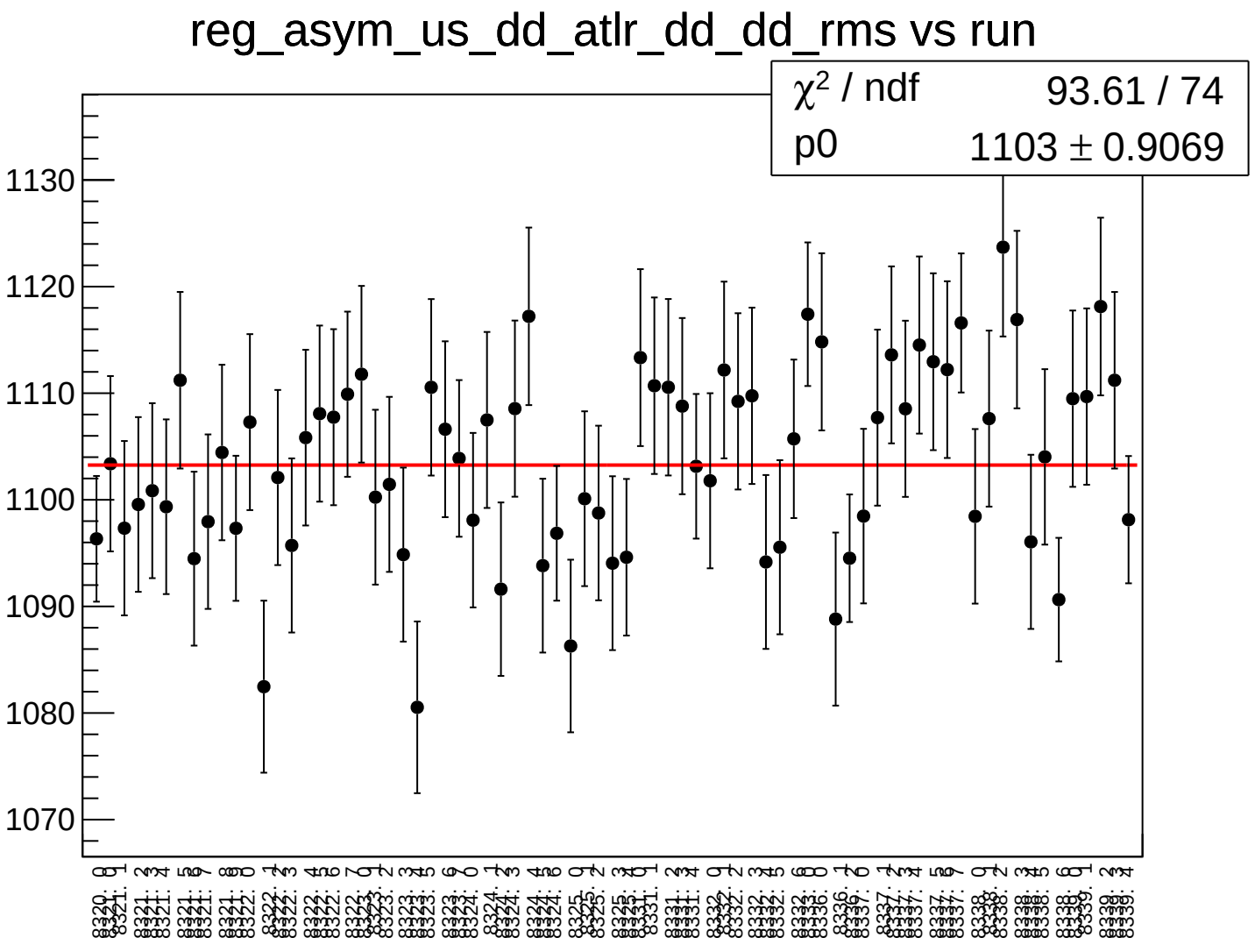

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.55 / 74
p0 6.523e−14 ± 1.721e−13
pull
Entries 75
Mean 116.6
Std Dev 0

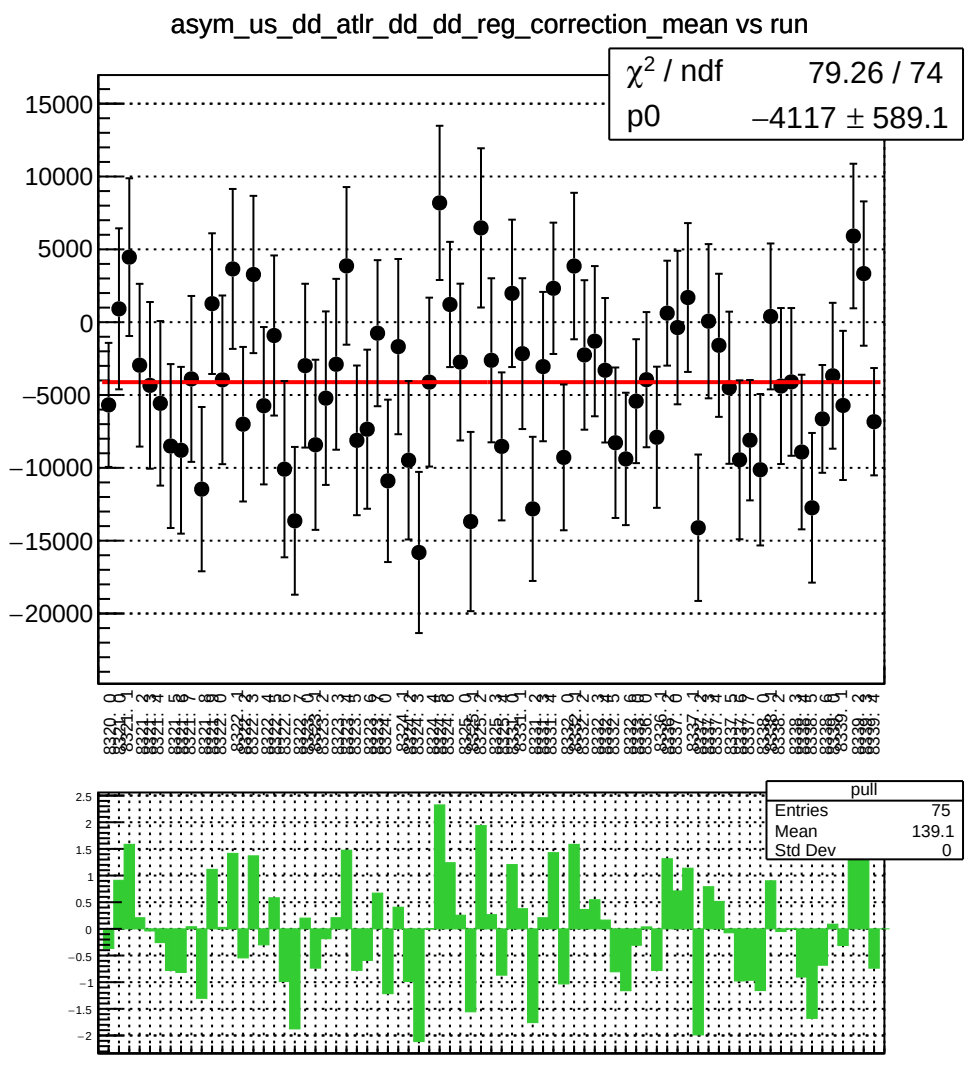

pull1D
Entries 75
Mean 0.05137
Std Dev 1.085

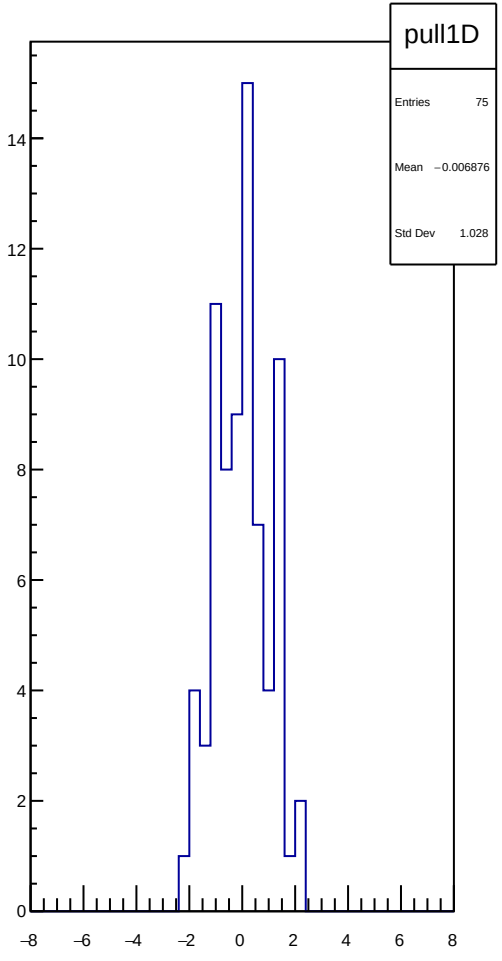

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.457e+05 / 74
p0 1.112e−10 ± 1.217e−13
1
0.8
0.6
0.4
0.2

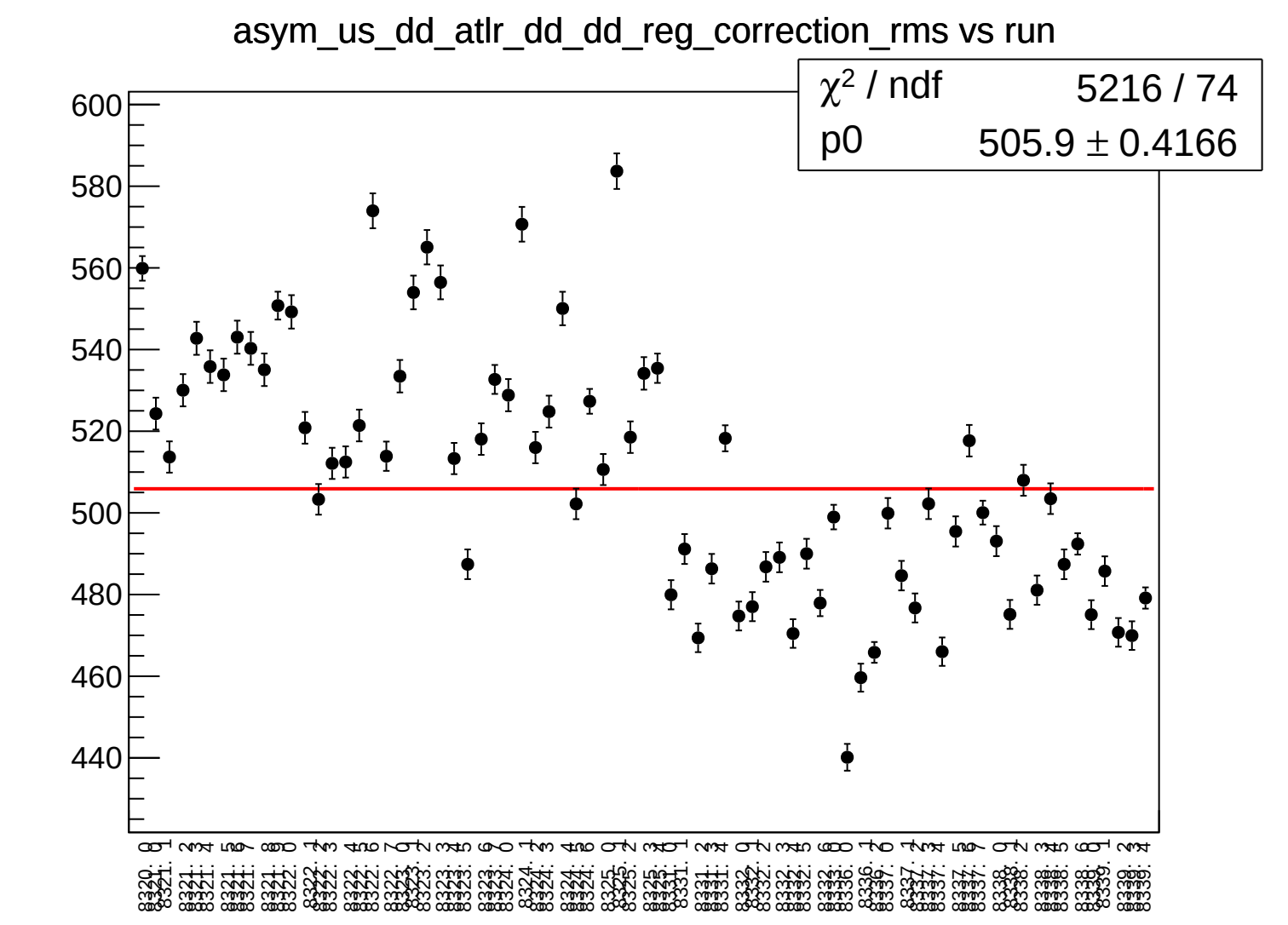

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 83.37 / 74
p0 559.4 ± 1283
pull
Entries 75
Mean −67.51
Std Dev 0

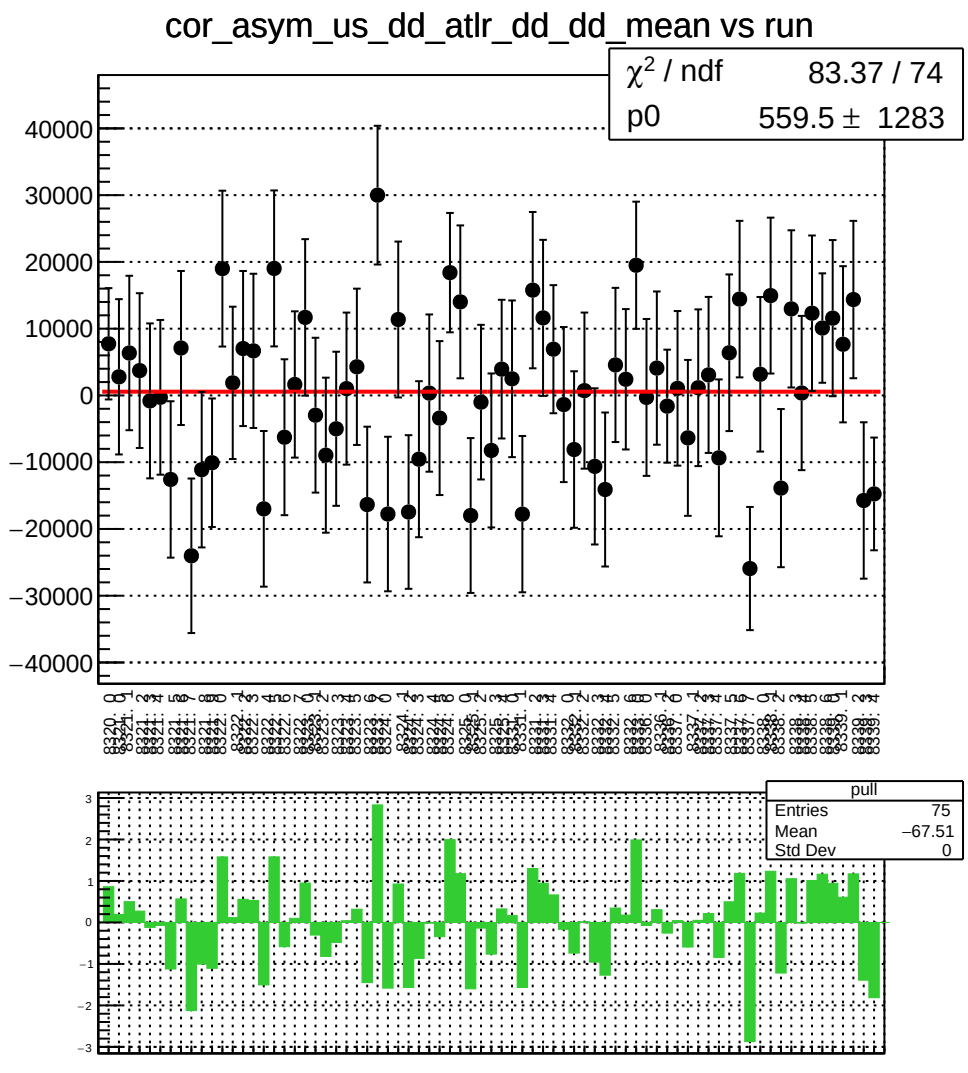

pull1D
Entries 75
Mean −0.008212
Std Dev 1.054

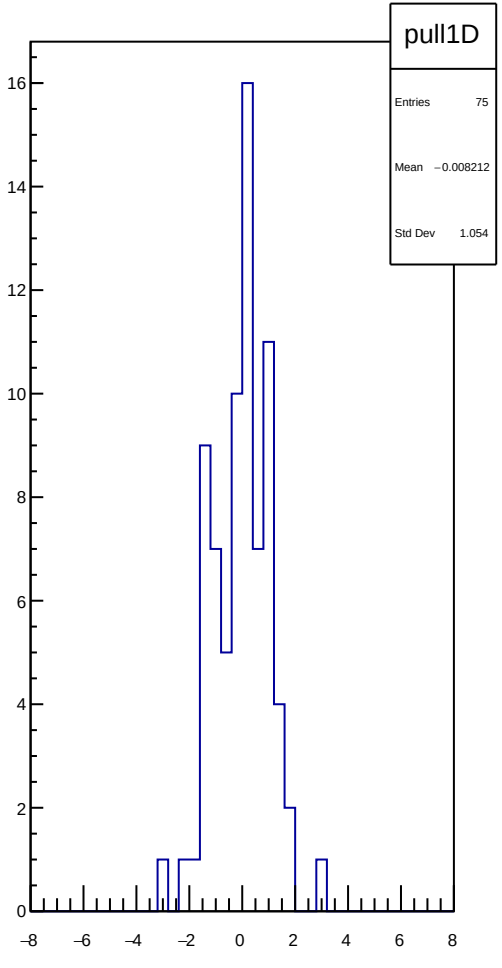

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 93.61 / 74
p0 1103 ± 0.9069
1130
1120
1110
1100
1090
1080
1070

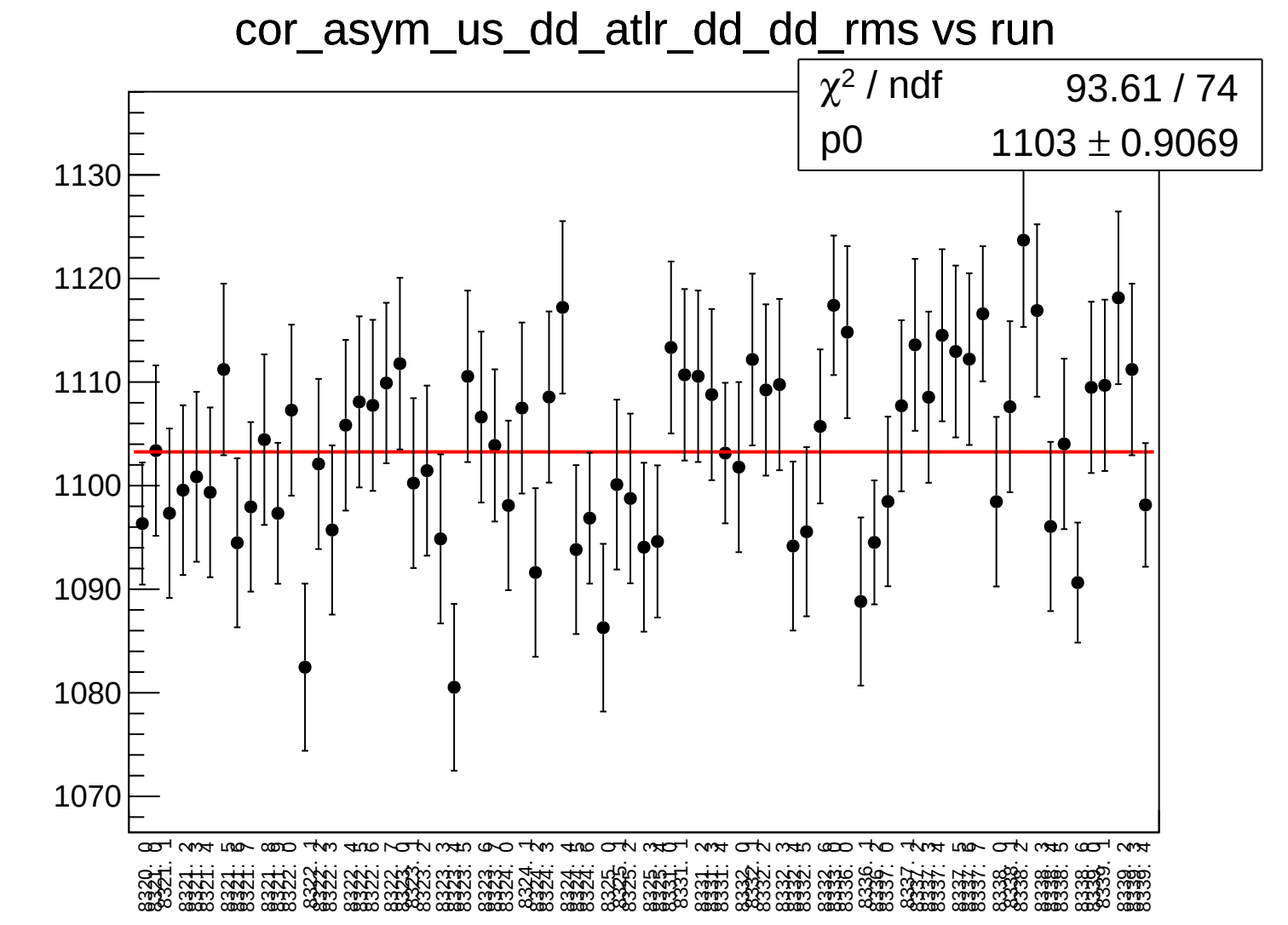

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 79.26 / 74
p0 −4117 ± 589.1
pull
Entries 75
Mean 139.1
Std Dev 0

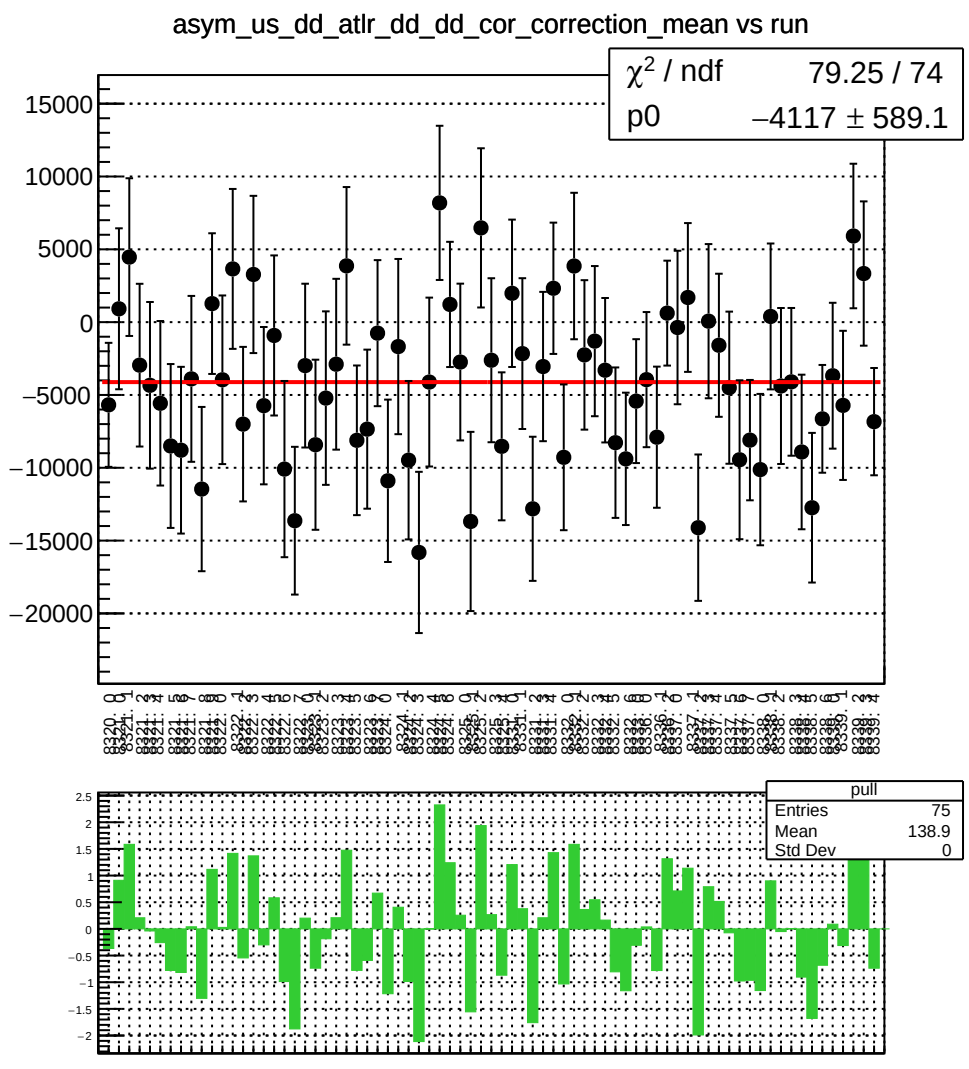

pull1D
Entries 75
Mean −0.006876
Std Dev 1.028

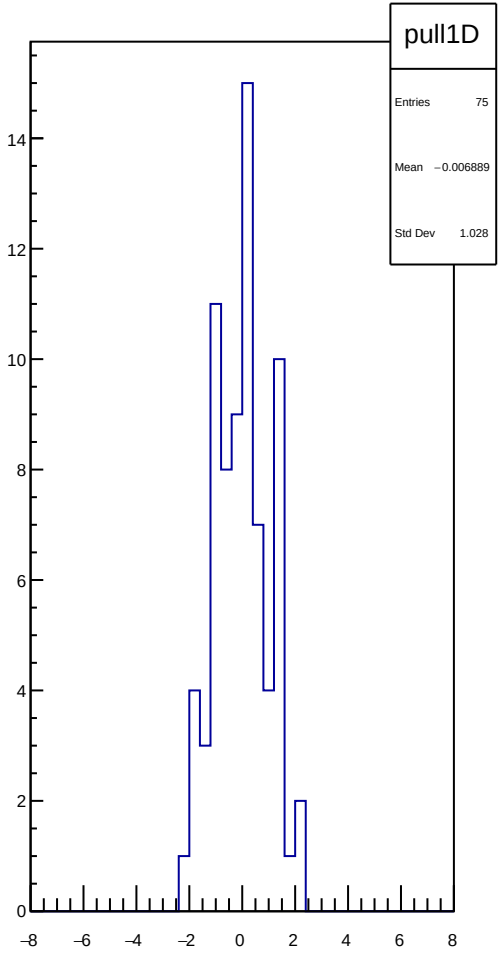

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 5216 / 74
p0 505.9 ± 0.4166
600
580
560
540
520
500
480
460
440

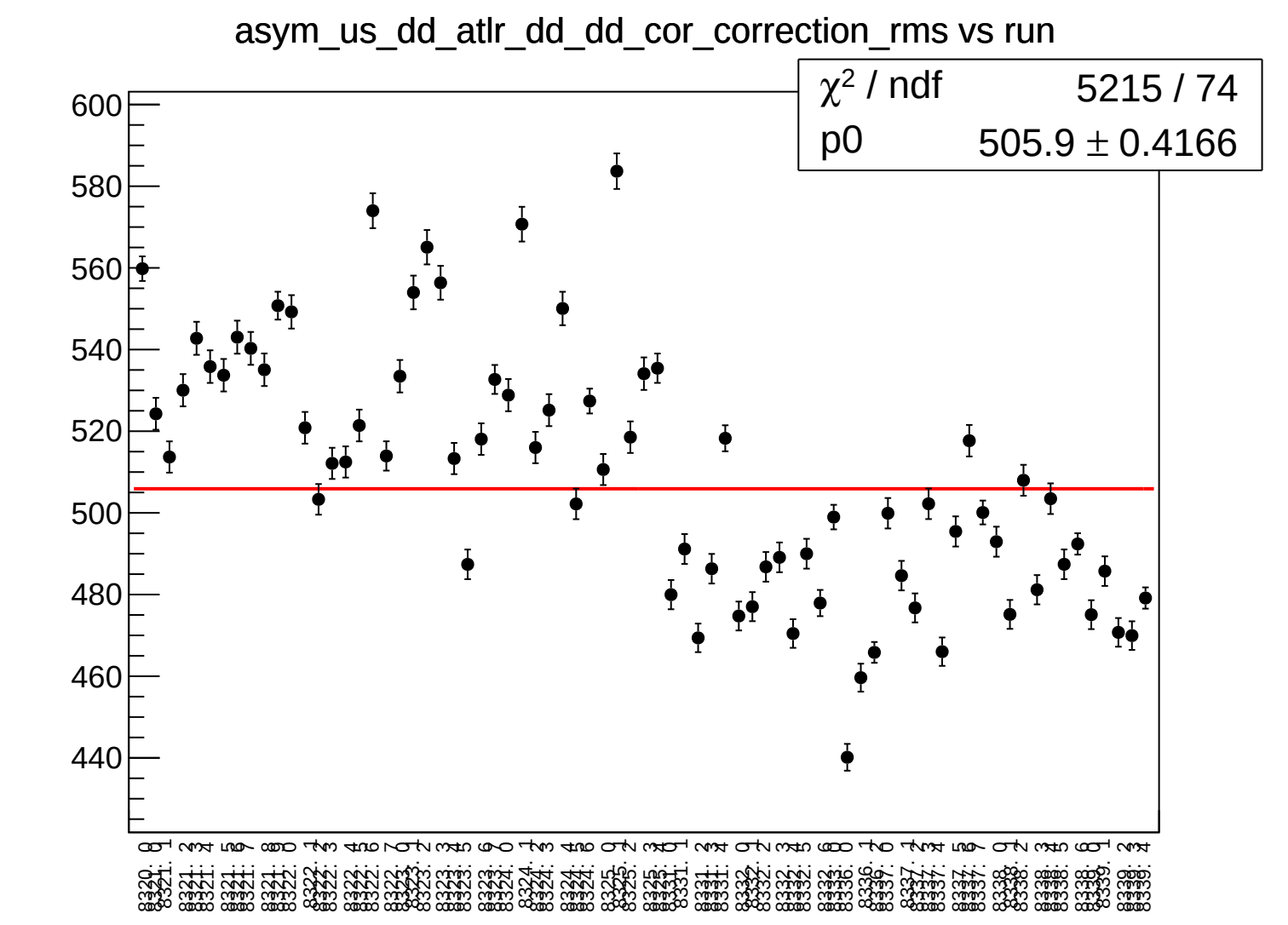

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ^2 / ndf 83.37 / 74
p0 559.5 ± 1283
pull
Entries 75
Mean −67.51
Std Dev 0

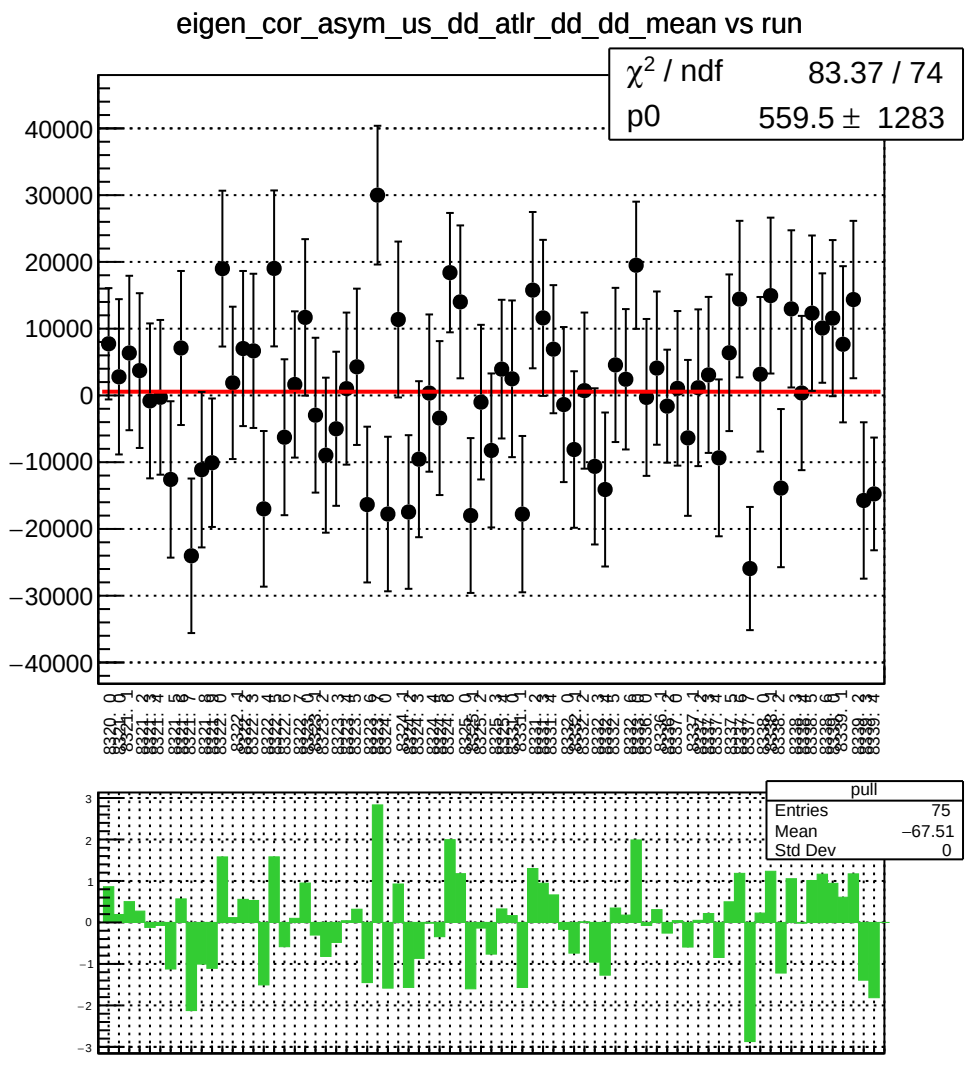

pull1D
Entries 75
Mean −0.008212
Std Dev 1.054

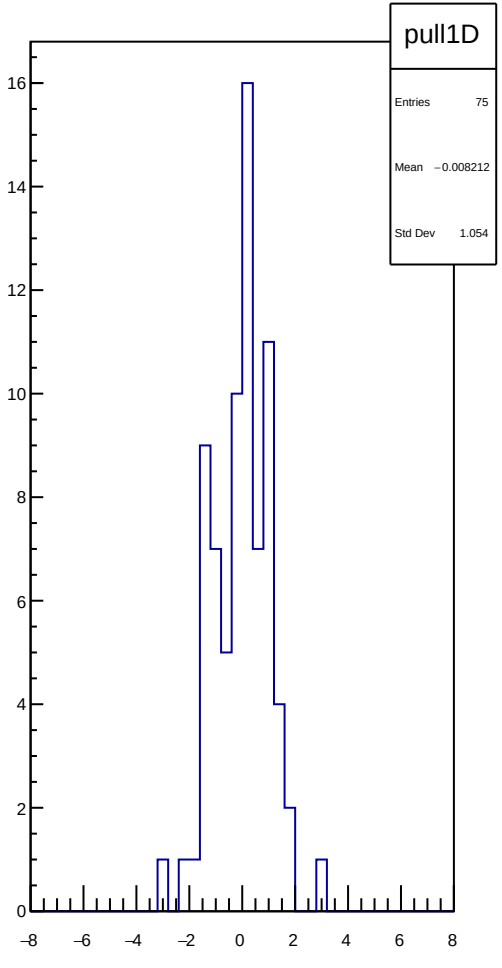

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 93.61 / 74
p0 1103 ± 0.9069
1130
1120
1110
1100
1090
1080
1070

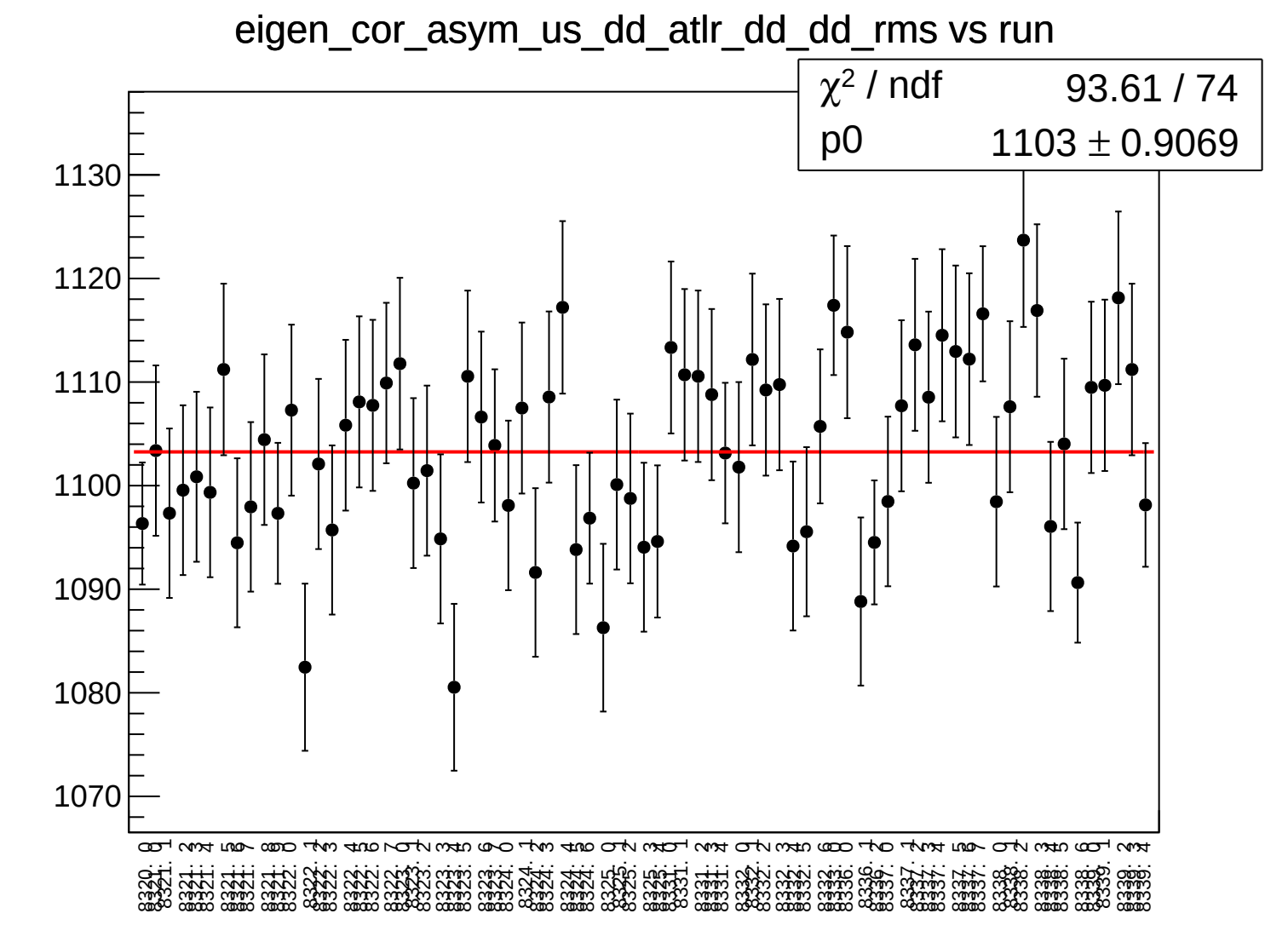

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 79.25 / 74
p0 −4117 ± 589.1
pull
Entries 75
Mean 138.9
Std Dev 0

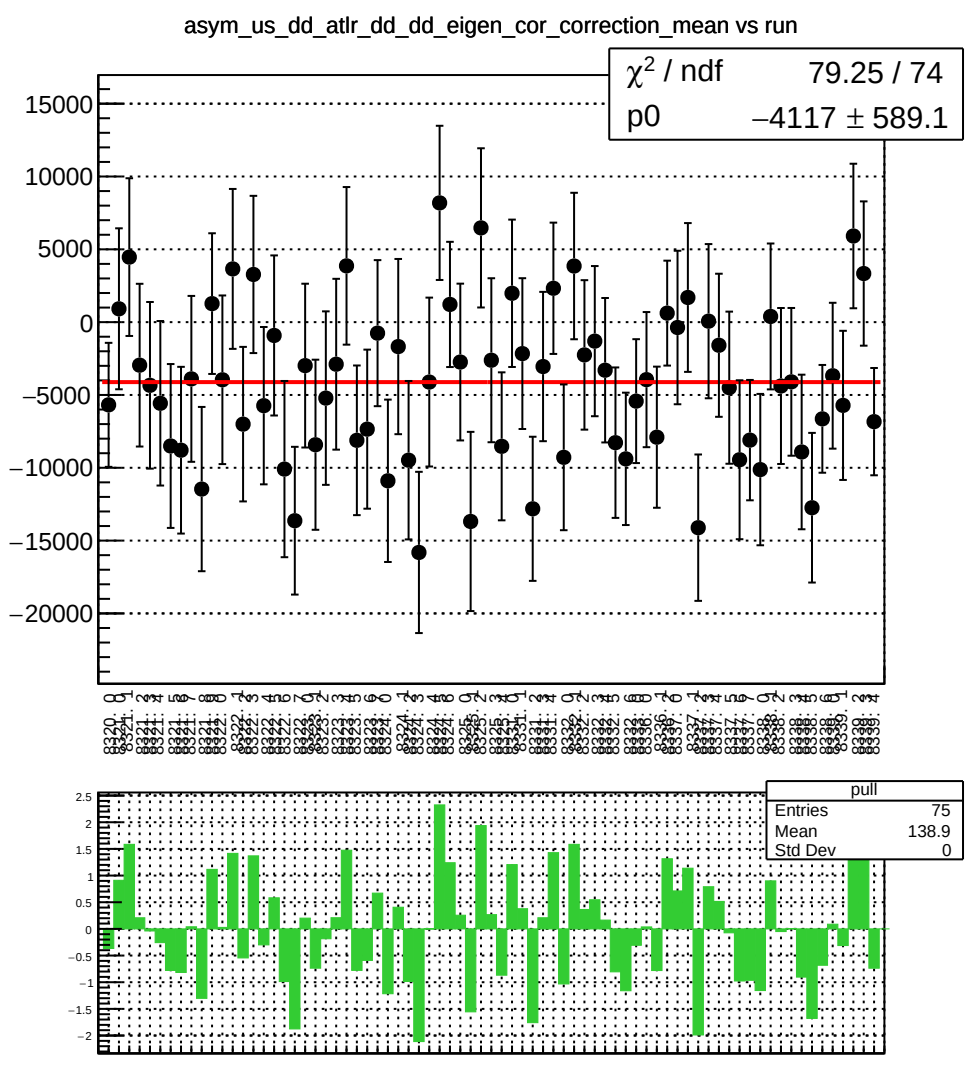

pull1D
Entries 75
Mean −0.006889
Std Dev 1.028

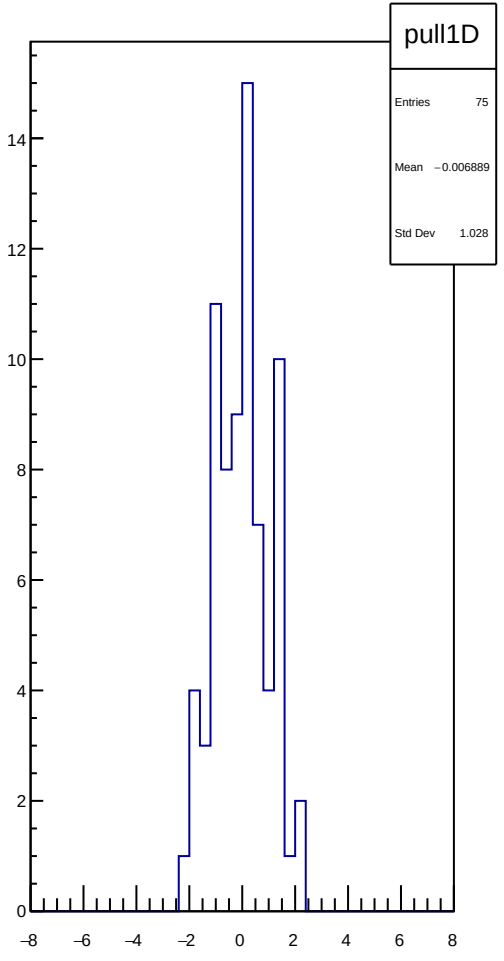

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 5215 / 74
p0 505.9 ± 0.4166
600
580
560
540
520
500
480
460
440

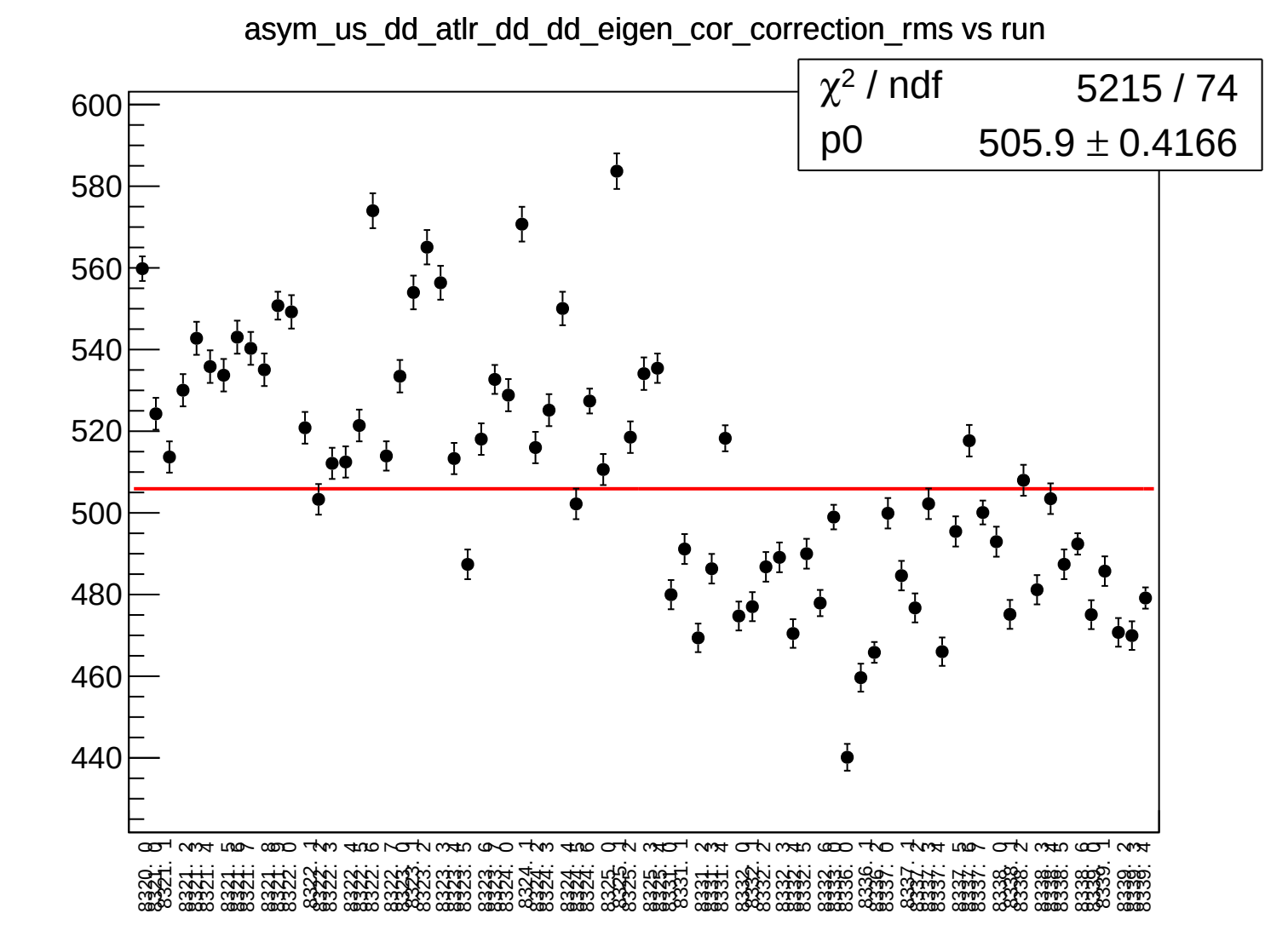

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 83.37 / 74
p0 559.5 ± 1283
pull
Entries 75
Mean −67.51
Std Dev 0

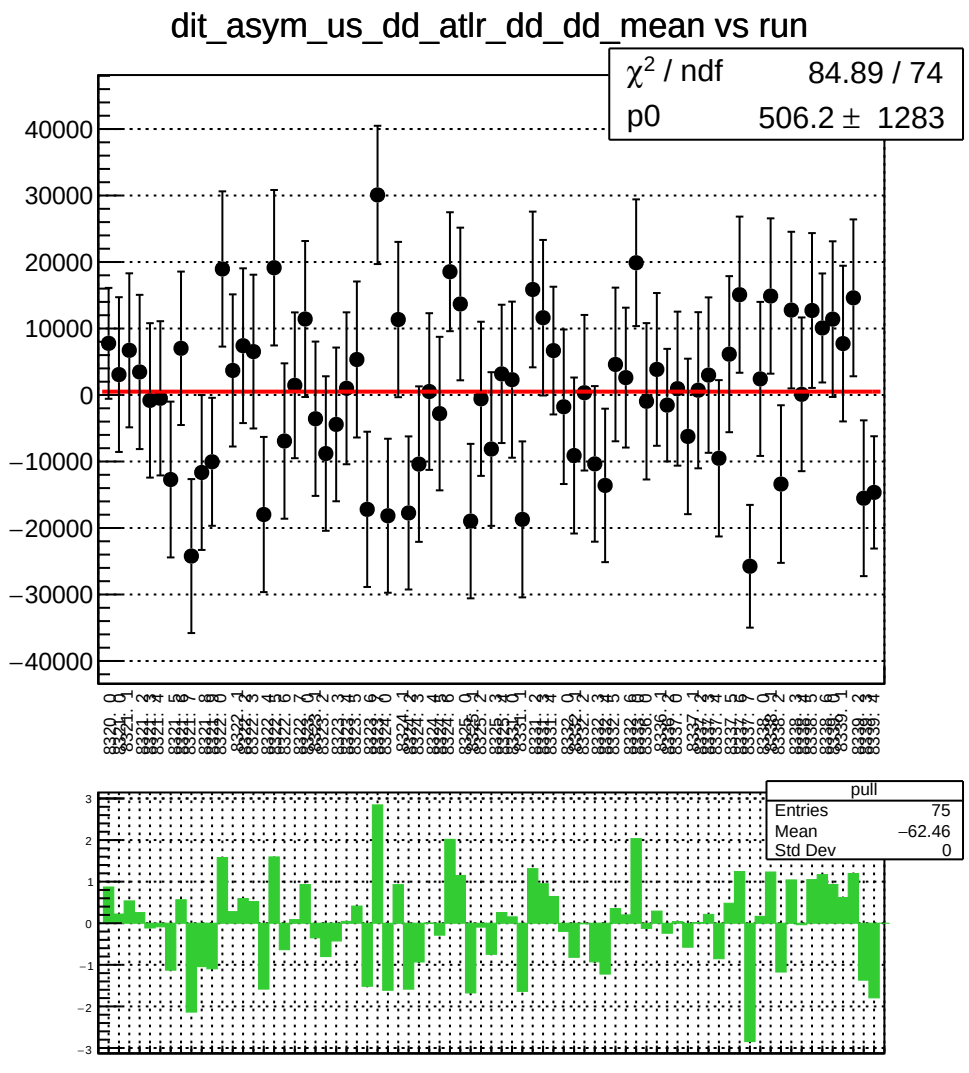

pull1D
Entries 75
Mean −0.008212
Std Dev 1.054

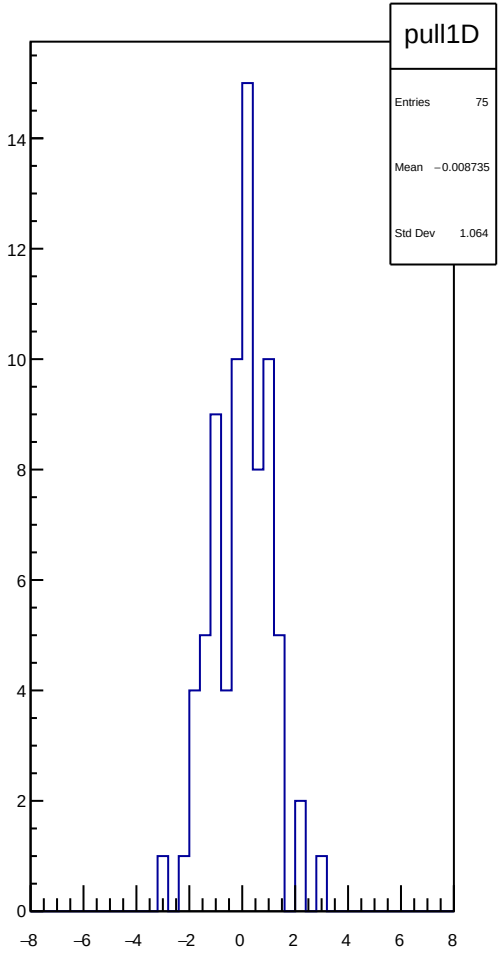

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 93.61 / 74
p0 1103 ± 0.9069
1130
1120
1110
1100
1090
1080
1070

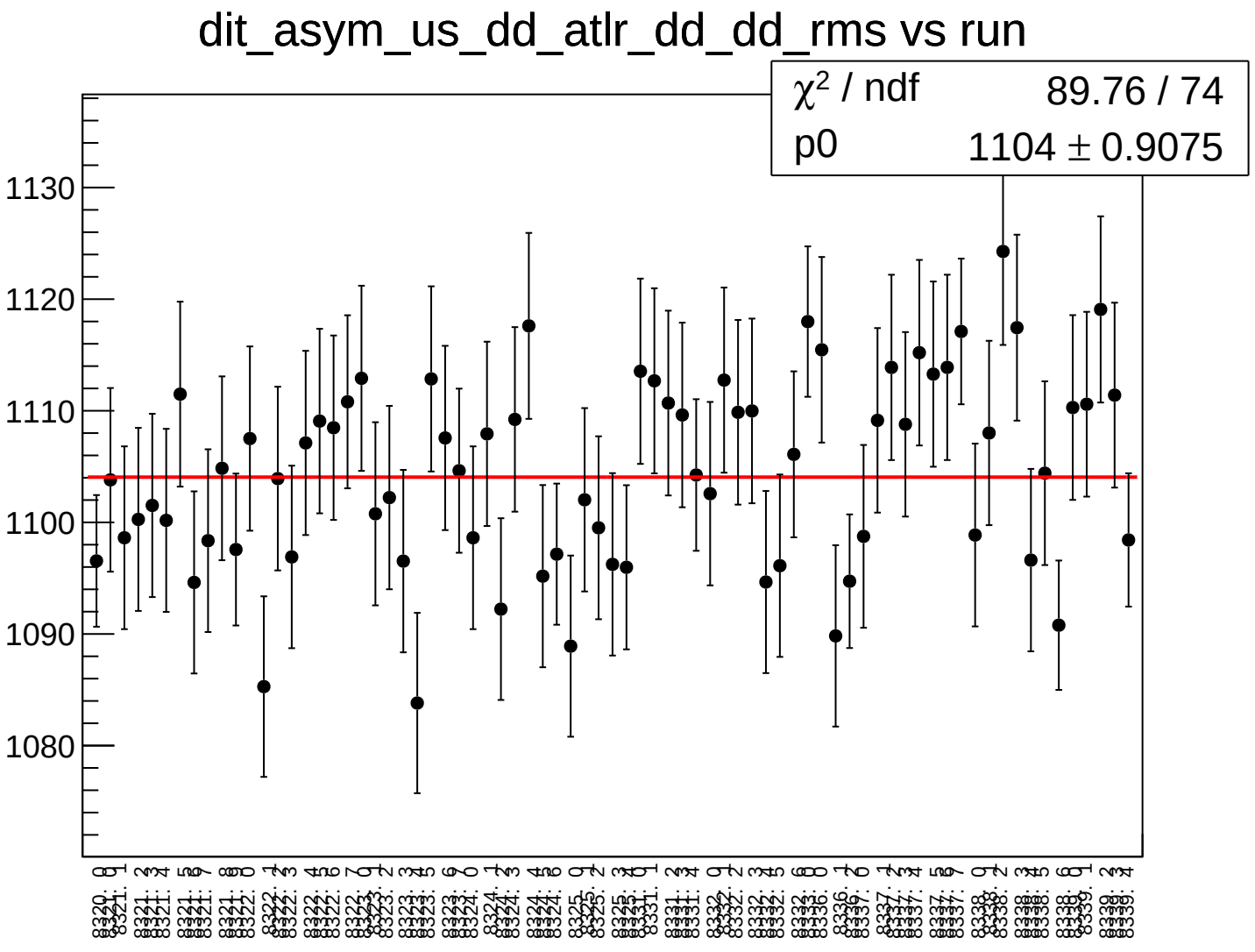

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.25 / 74
p0 −4117 ± 589.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 75
Mean 138.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

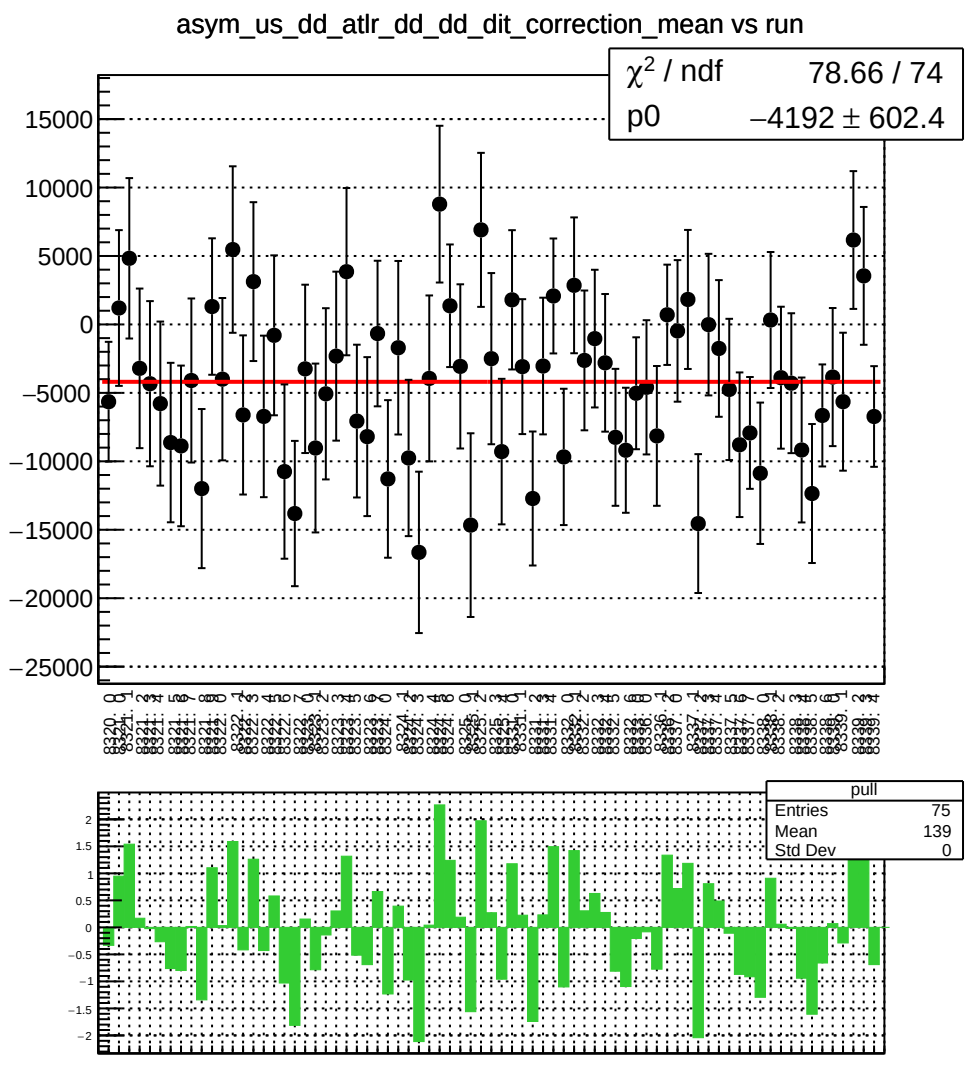

pull1D
Entries 75
Mean −0.006889
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

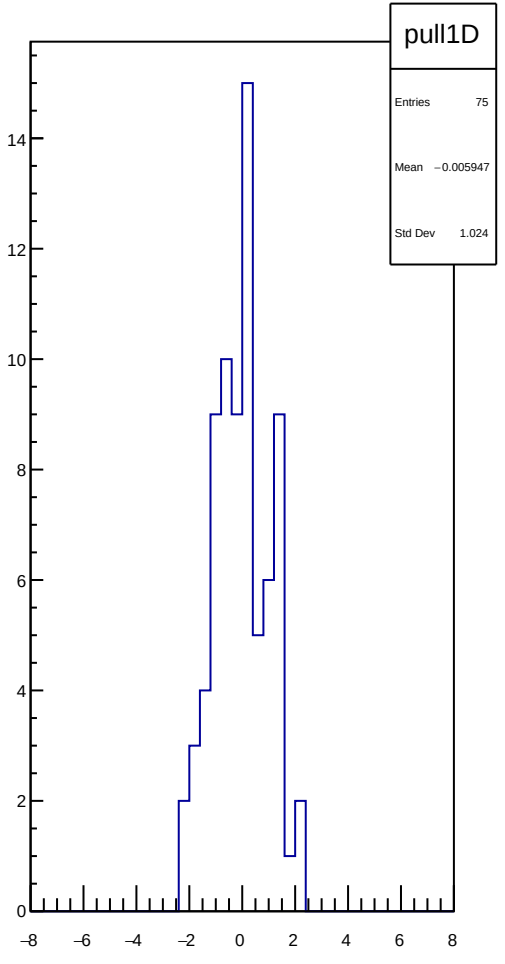

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5215 / 74
p0 505.9 ± 0.4166
600
580
560
540
520
500
480
460
440

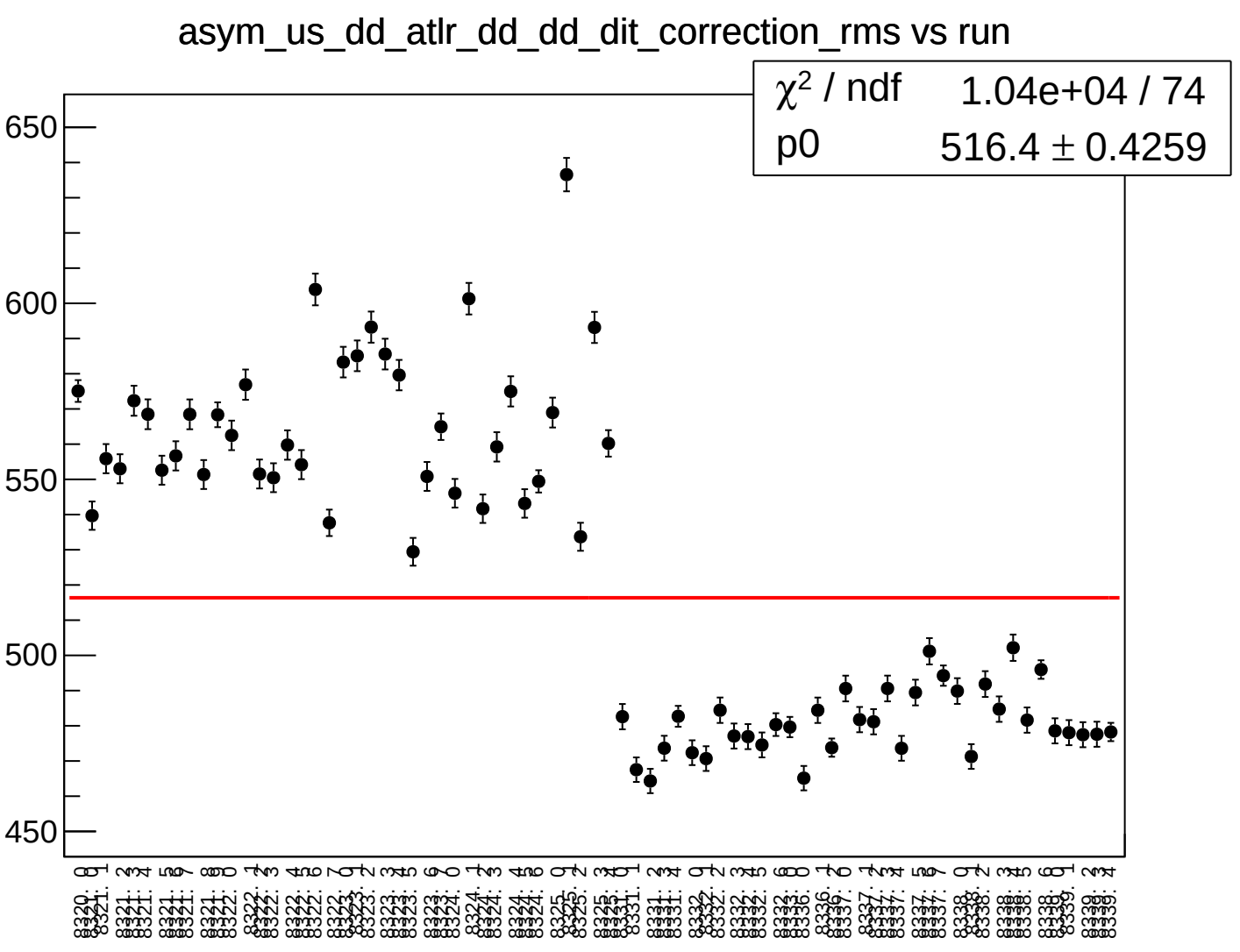

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 84.89 / 74
p0 506.2 ± 1283
pull
Entries 75
Mean −62.46
Std Dev 0

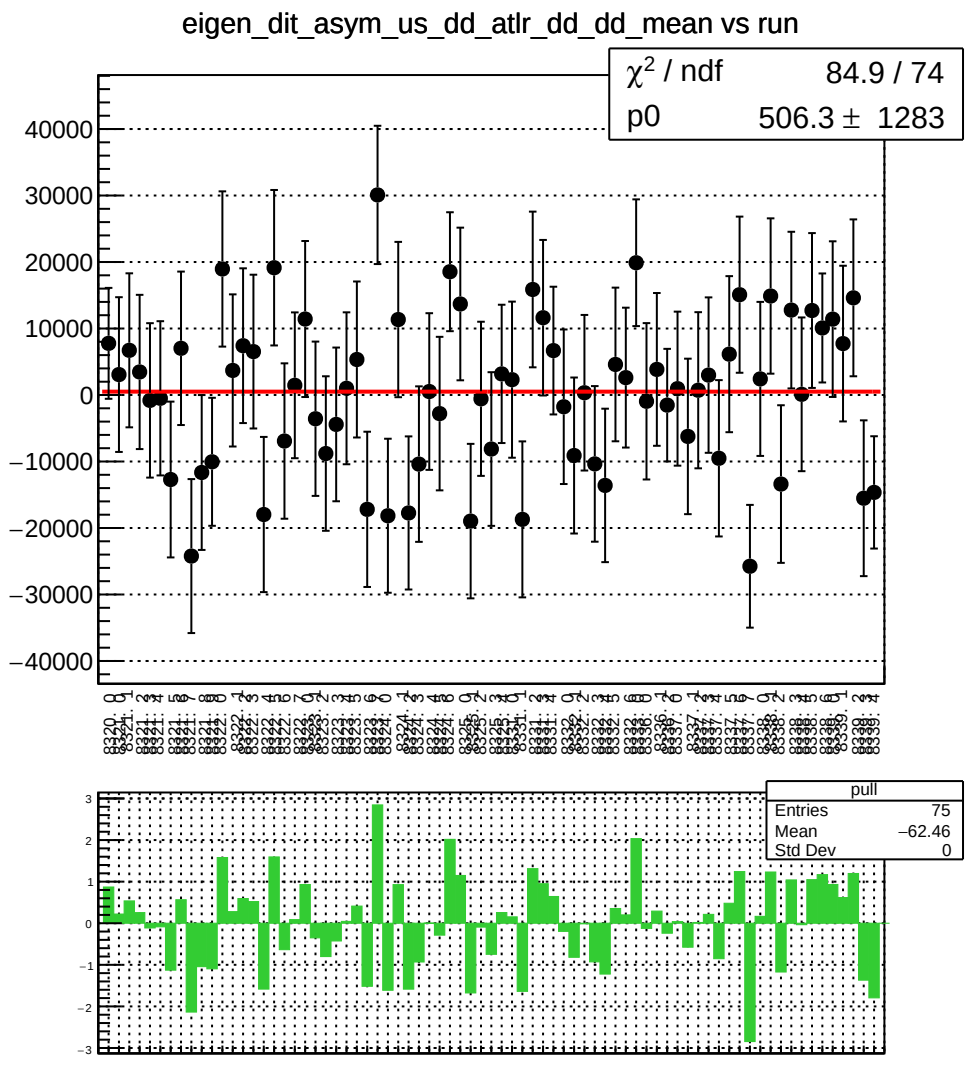

pull1D
Entries 75
Mean −0.008735
Std Dev 1.064

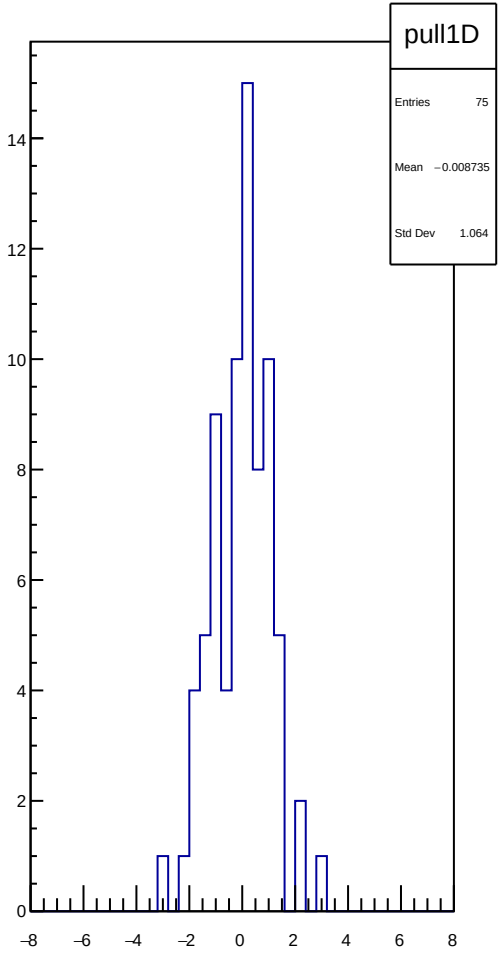

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 89.76 / 74
p0 1104 ± 0.9075
1130
1120
1110
1100
1090
1080

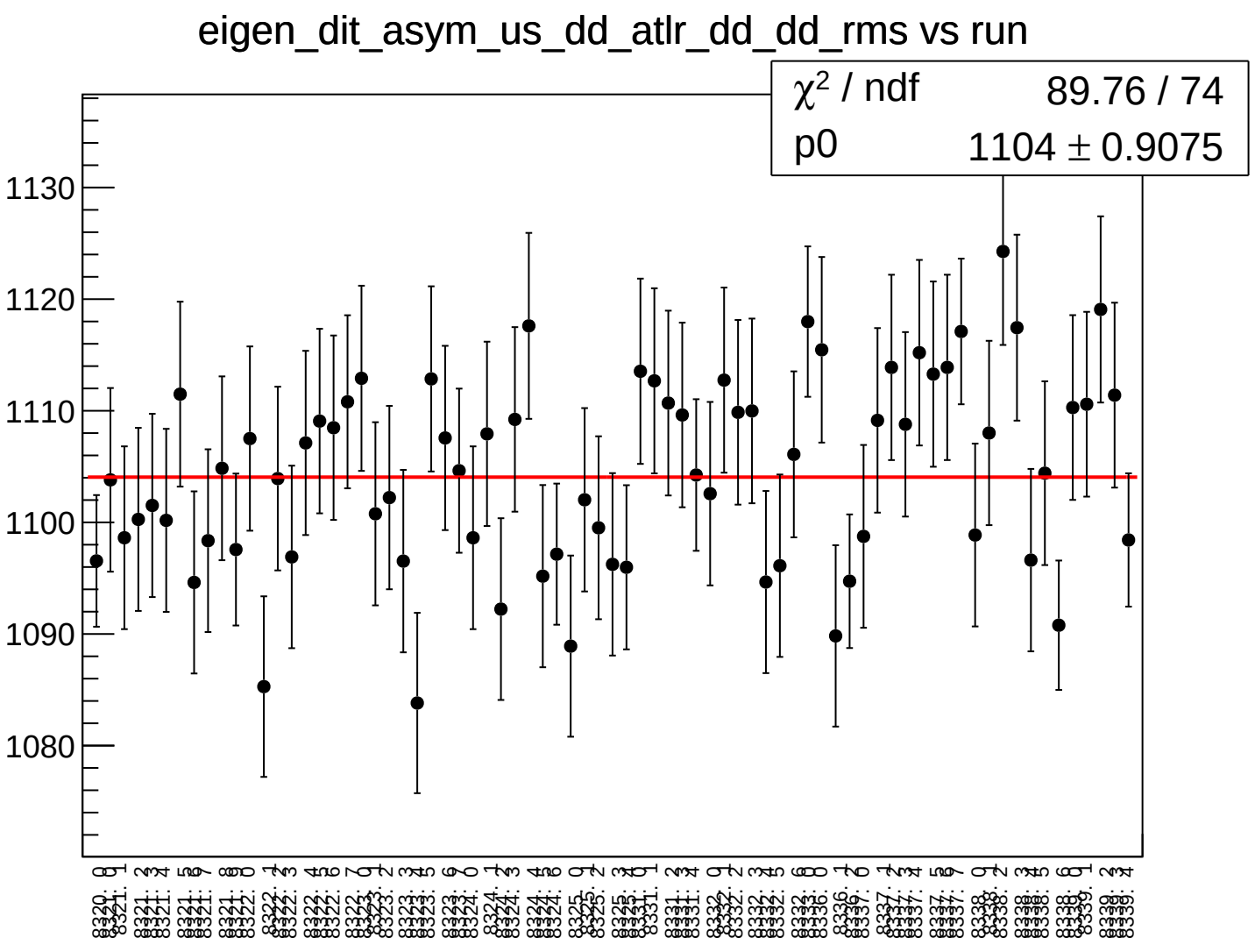

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 78.66 / 74
p0 −4192 ± 602.4
pull
Entries 75
Mean 139
Std Dev 0

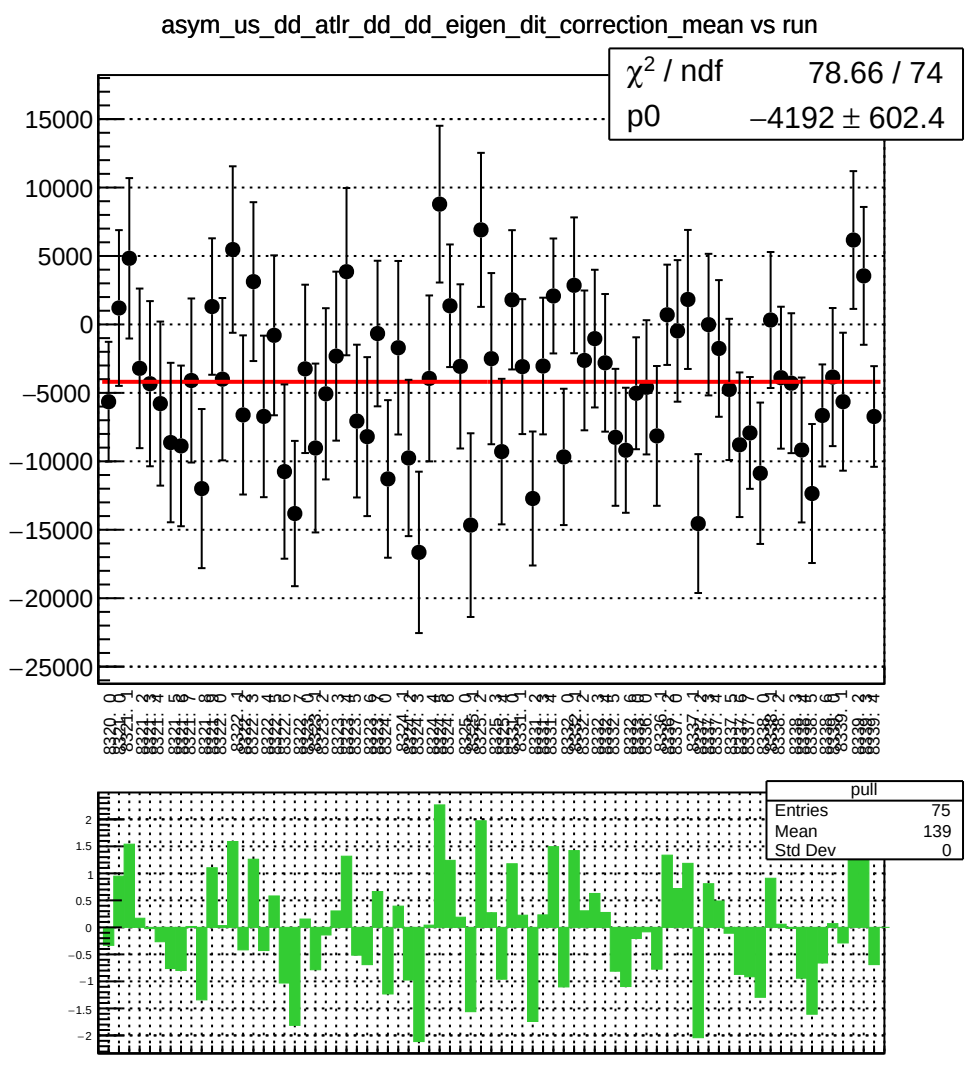

pull1D
Entries 75
Mean −0.005947
Std Dev 1.024

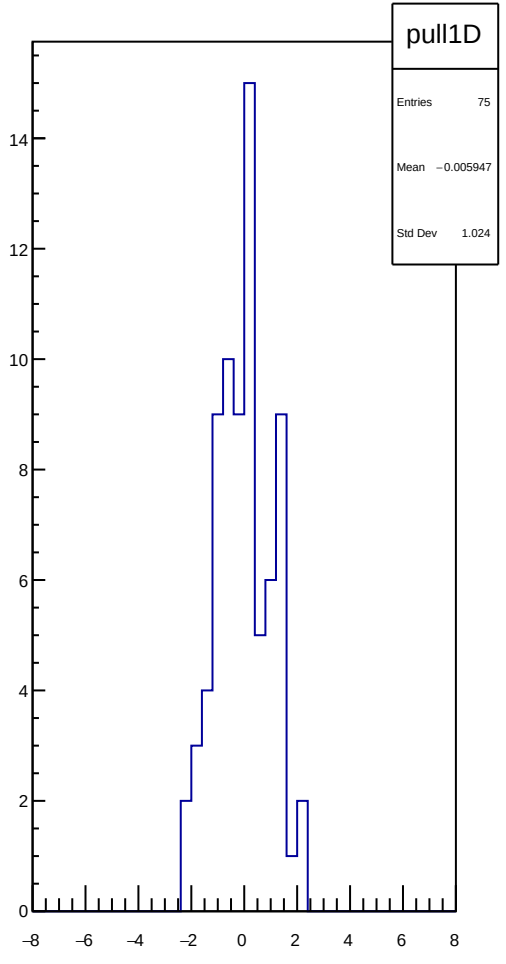

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1.04e+04 / 74
p0 516.4 ± 0.4259
650
600
550
500
450

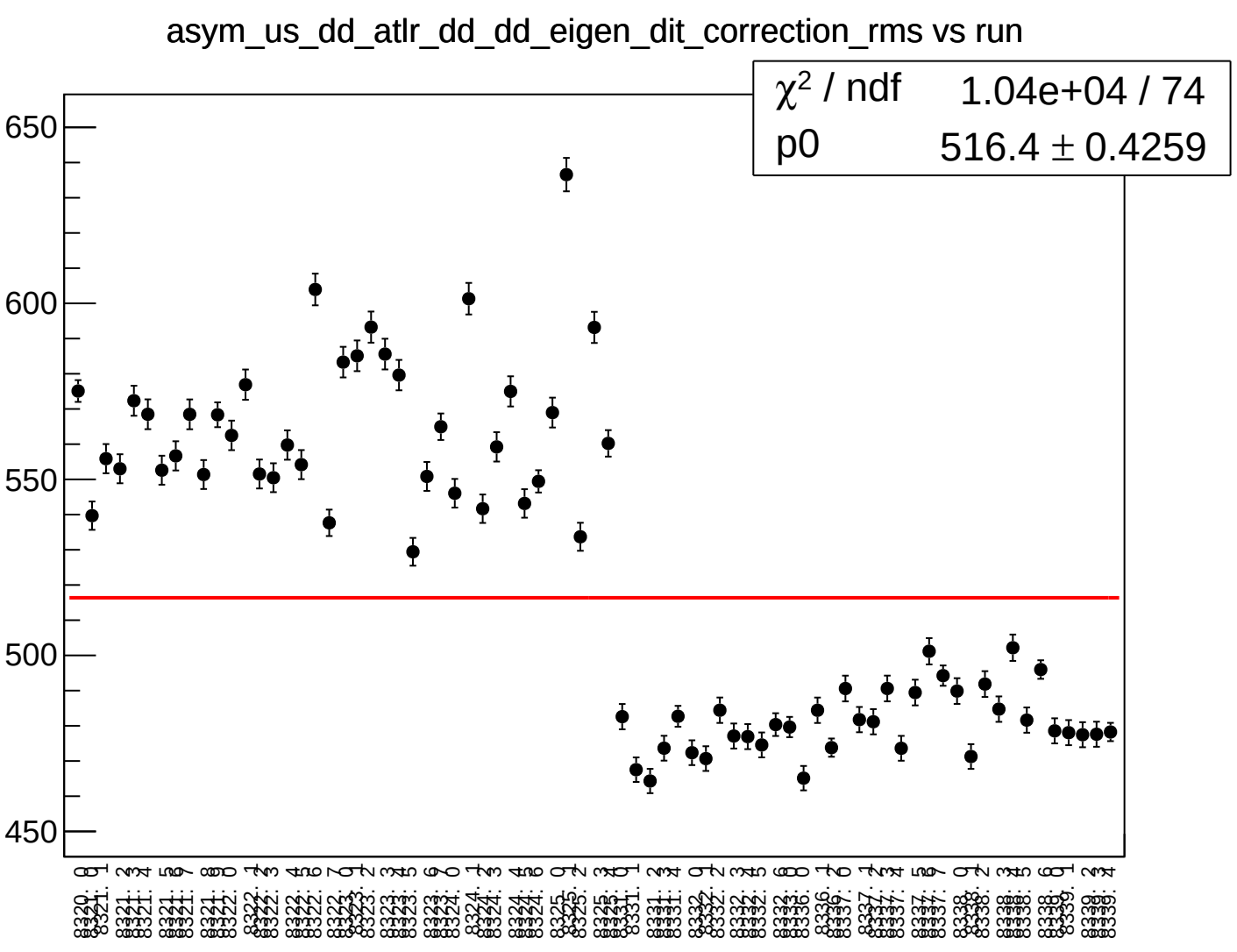

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 84.9 / 74
p0 506.3 ± 1283
pull
Entries 75
Mean −62.46
Std Dev 0

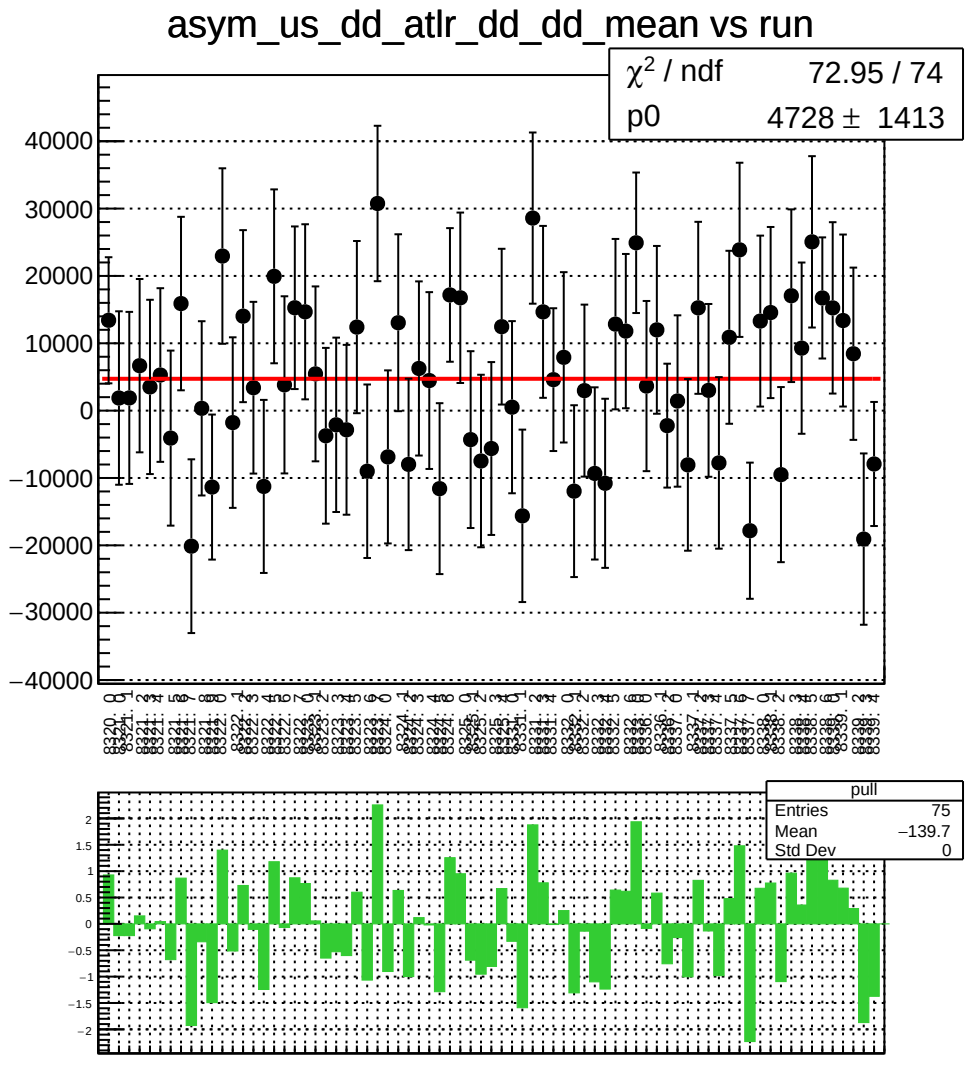

pull1D
Entries 75
Mean −0.008735
Std Dev 1.064

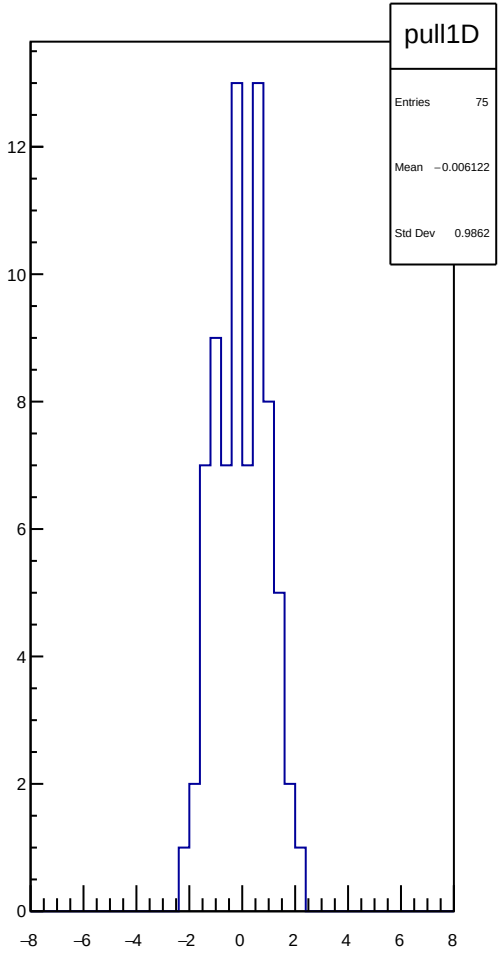

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 89.76 / 74
p0 1104 ± 0.9075
1130
1120
1110
1100
1090
1080

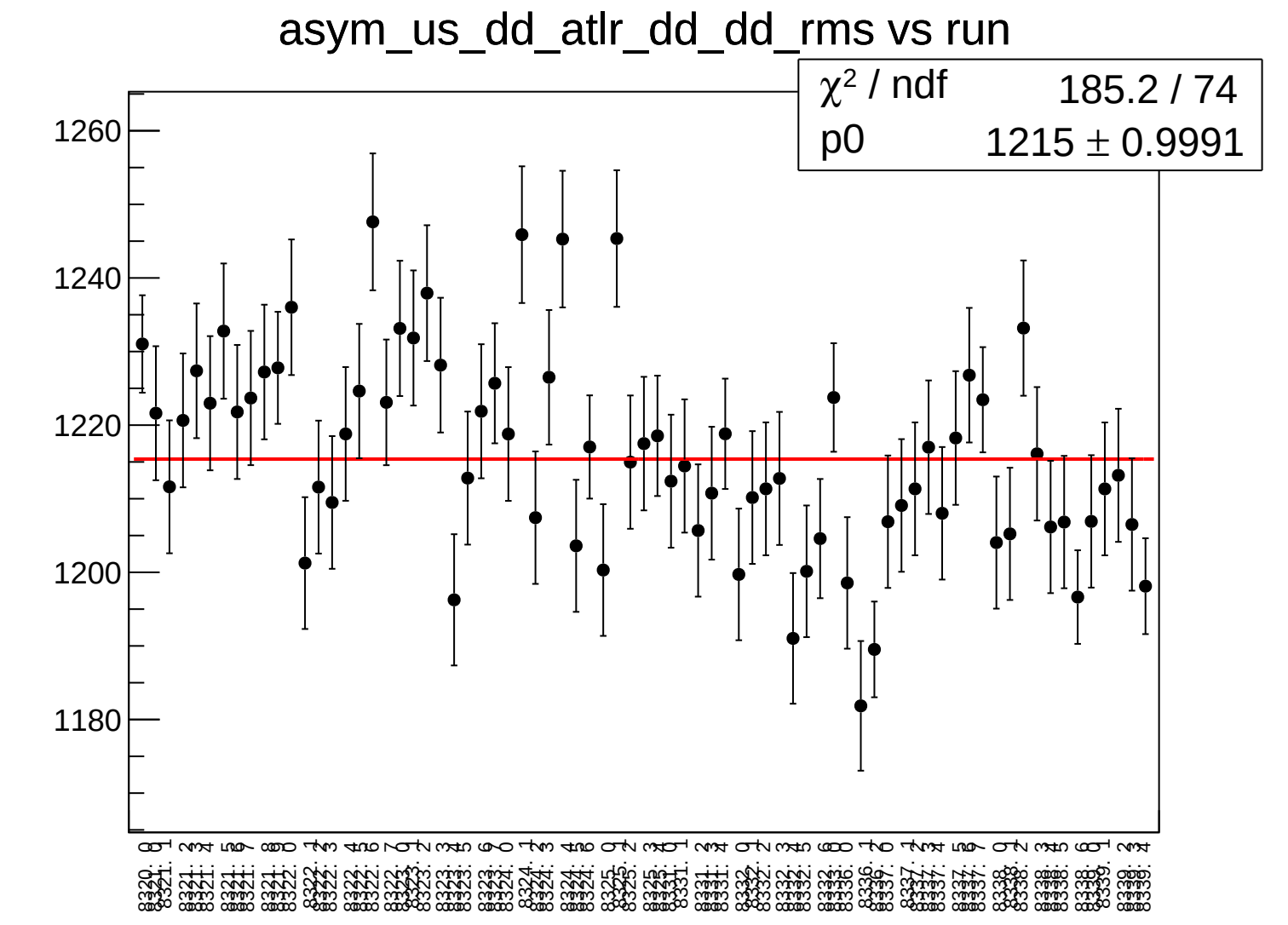

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 78.66 / 74
p0 −4192 ± 602.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 75
Mean 139
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

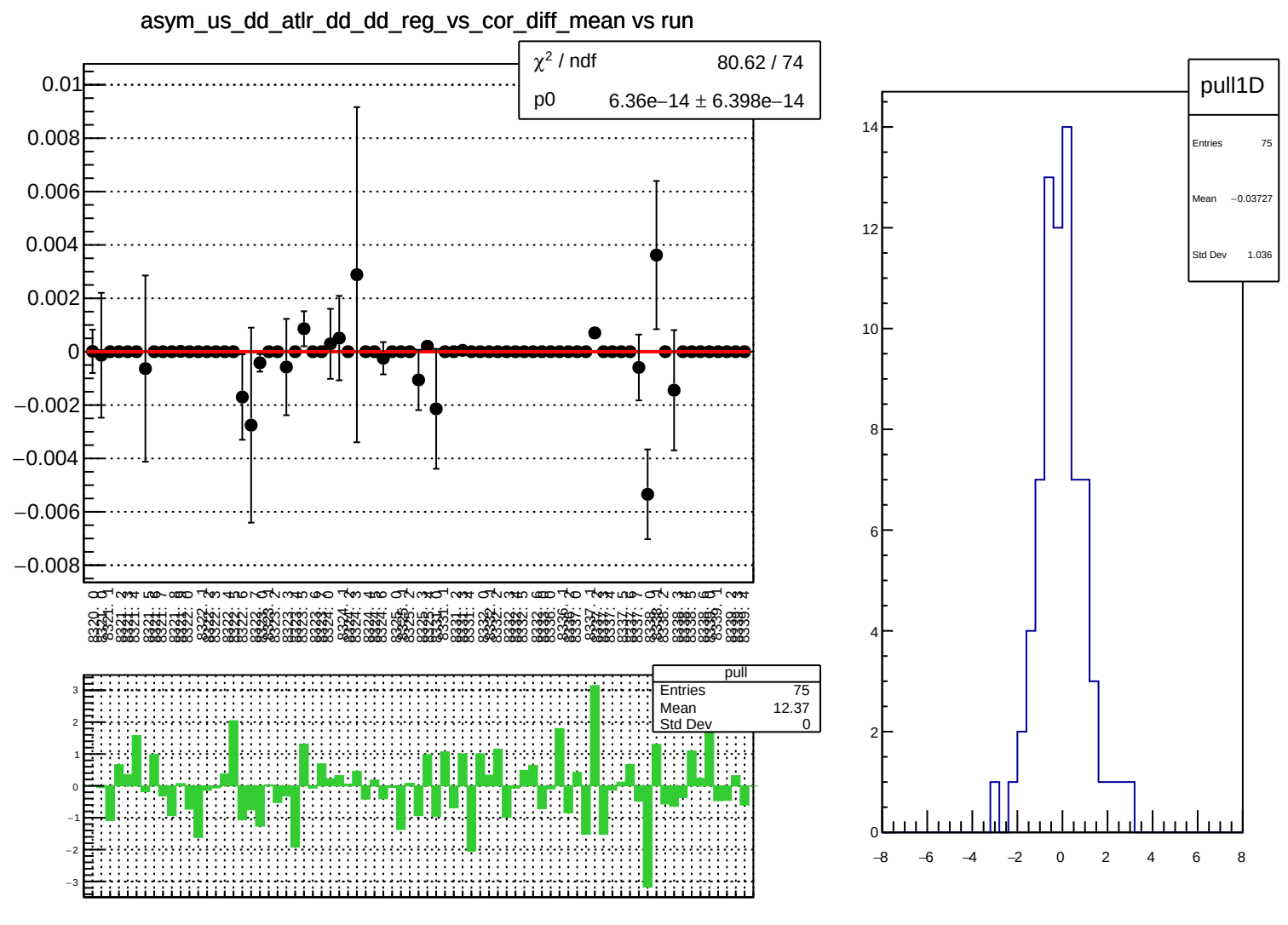

pull1D
Entries 75
Mean −0.005947
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

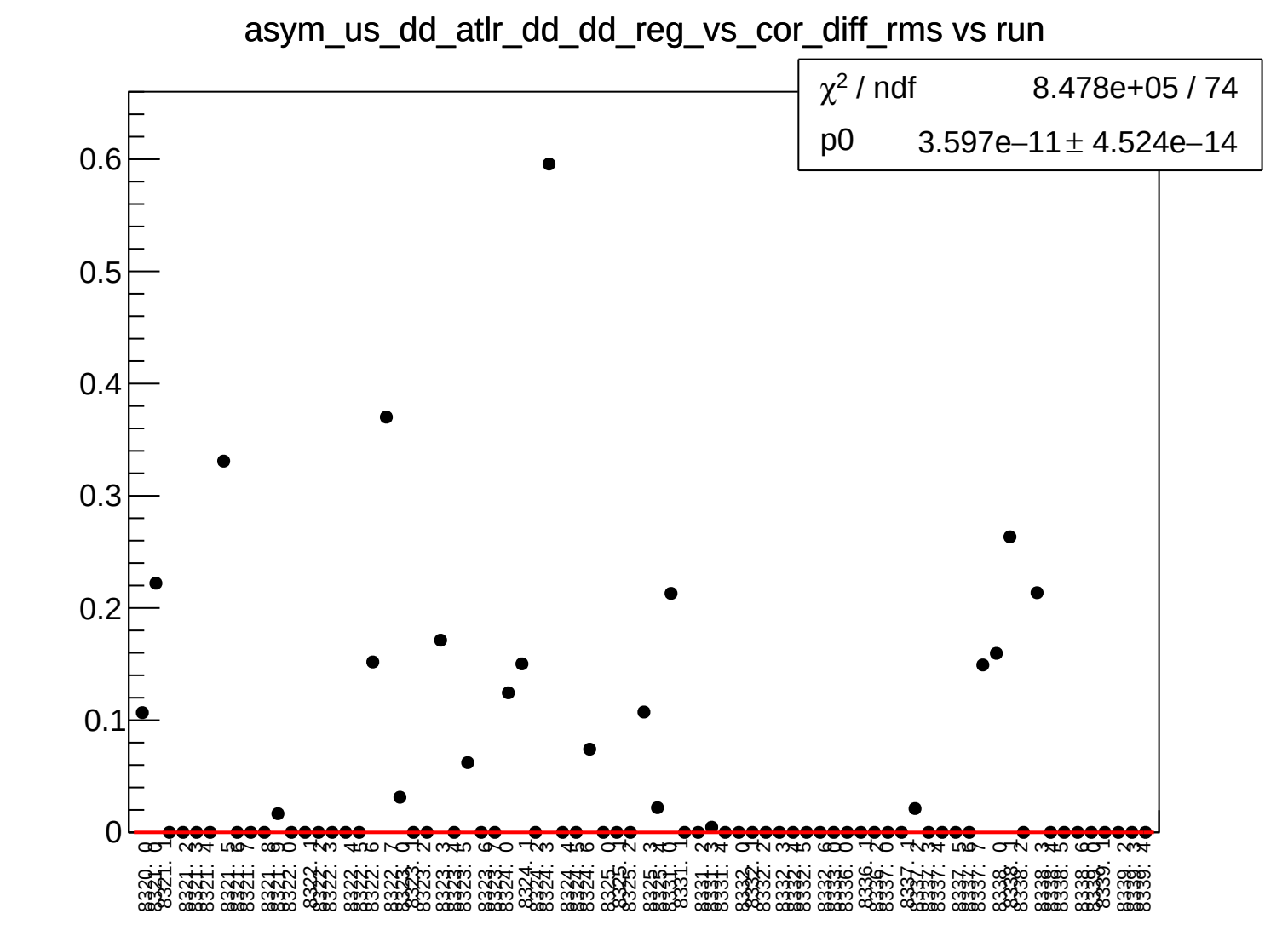

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1.04e+04 / 74
p0 516.4 ± 0.4259
650
600
550
500
450

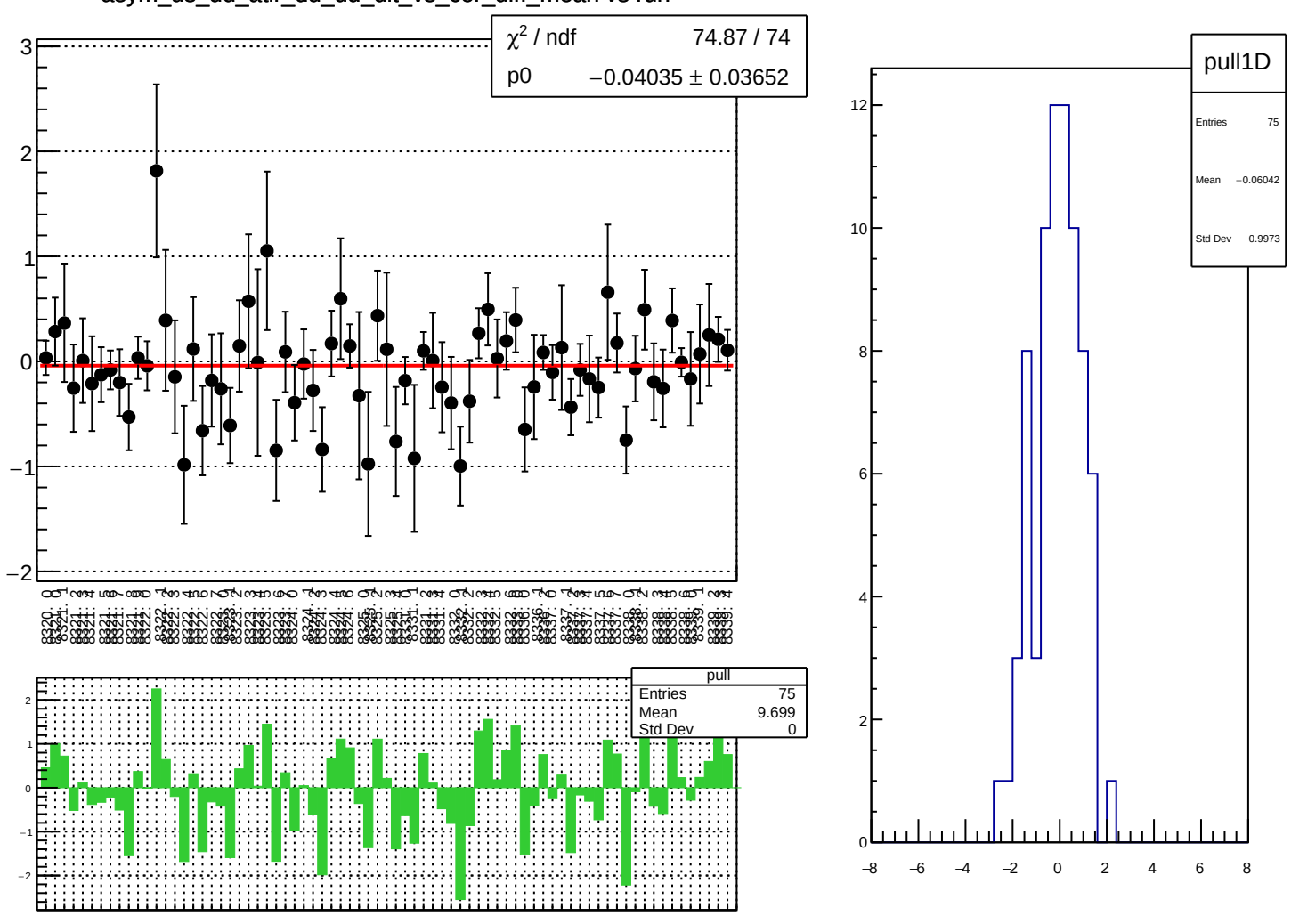

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 72.95 / 74
p0 4728 ± 1413
pull
Entries 75
Mean −139.7
Std Dev 0

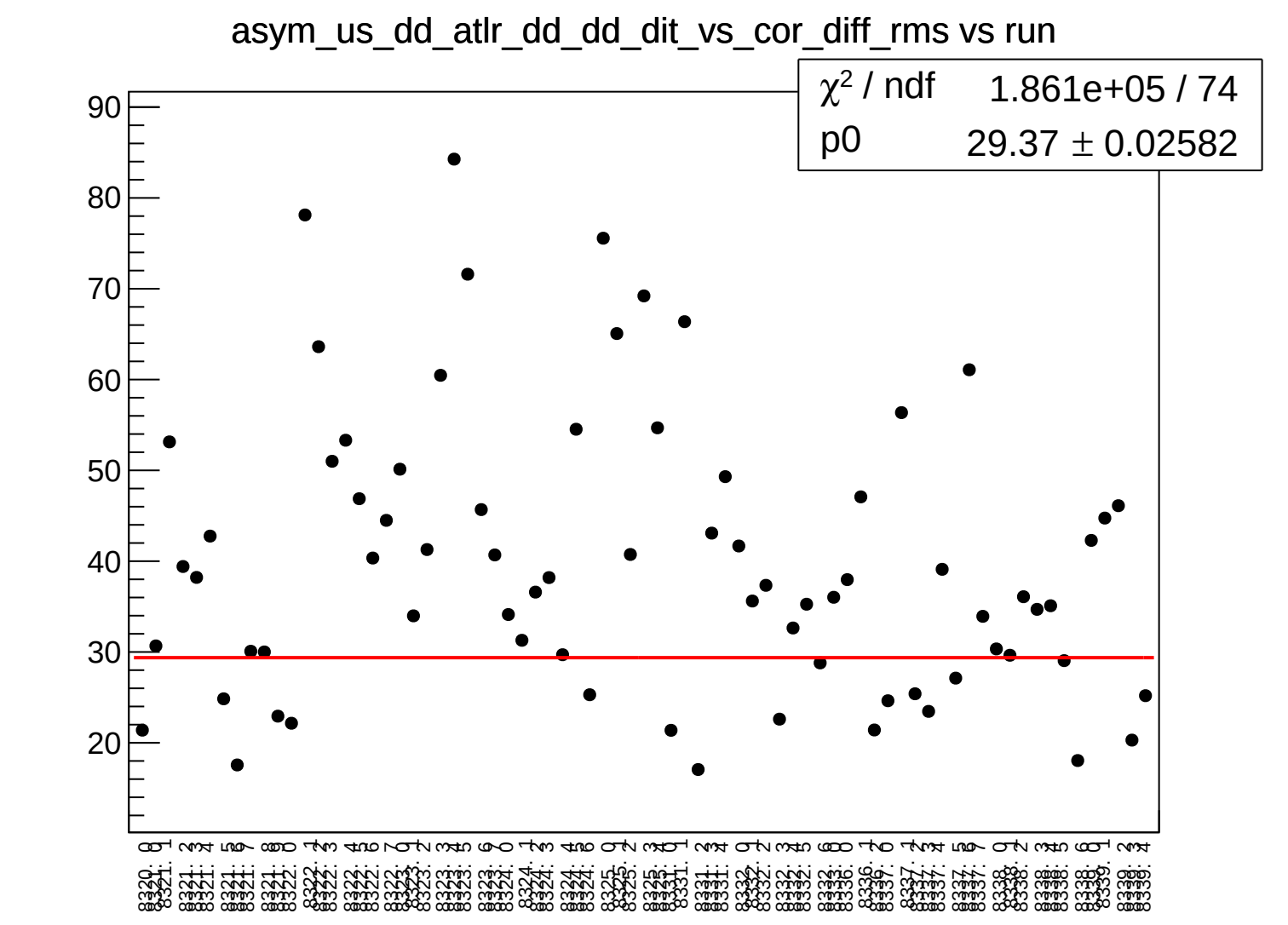

pull1D
Entries 75
Mean −0.006122
Std Dev 0.9862

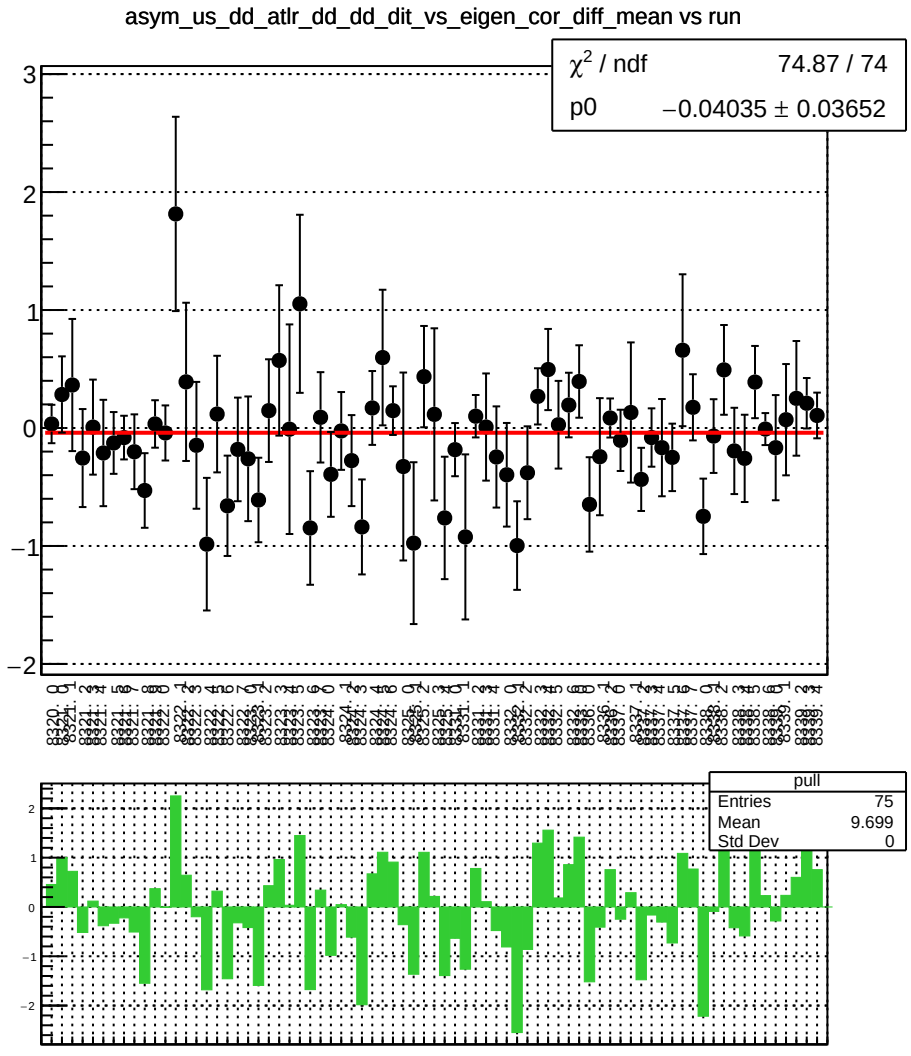

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 185.2 / 74
p0 1215 ± 0.9991
1260
1240
1220
1200
1180

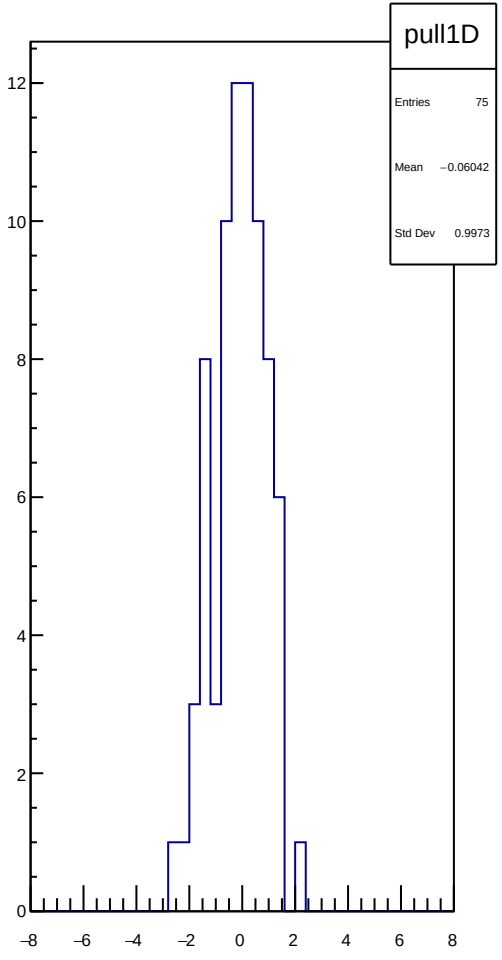

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 80.62 / 74
p0 6.36e−14 ± 6.398e−14
pull
Entries 75
Mean 12.37
Std Dev 0
pull1D
Entries 75
Mean −0.03727
Std Dev 1.036

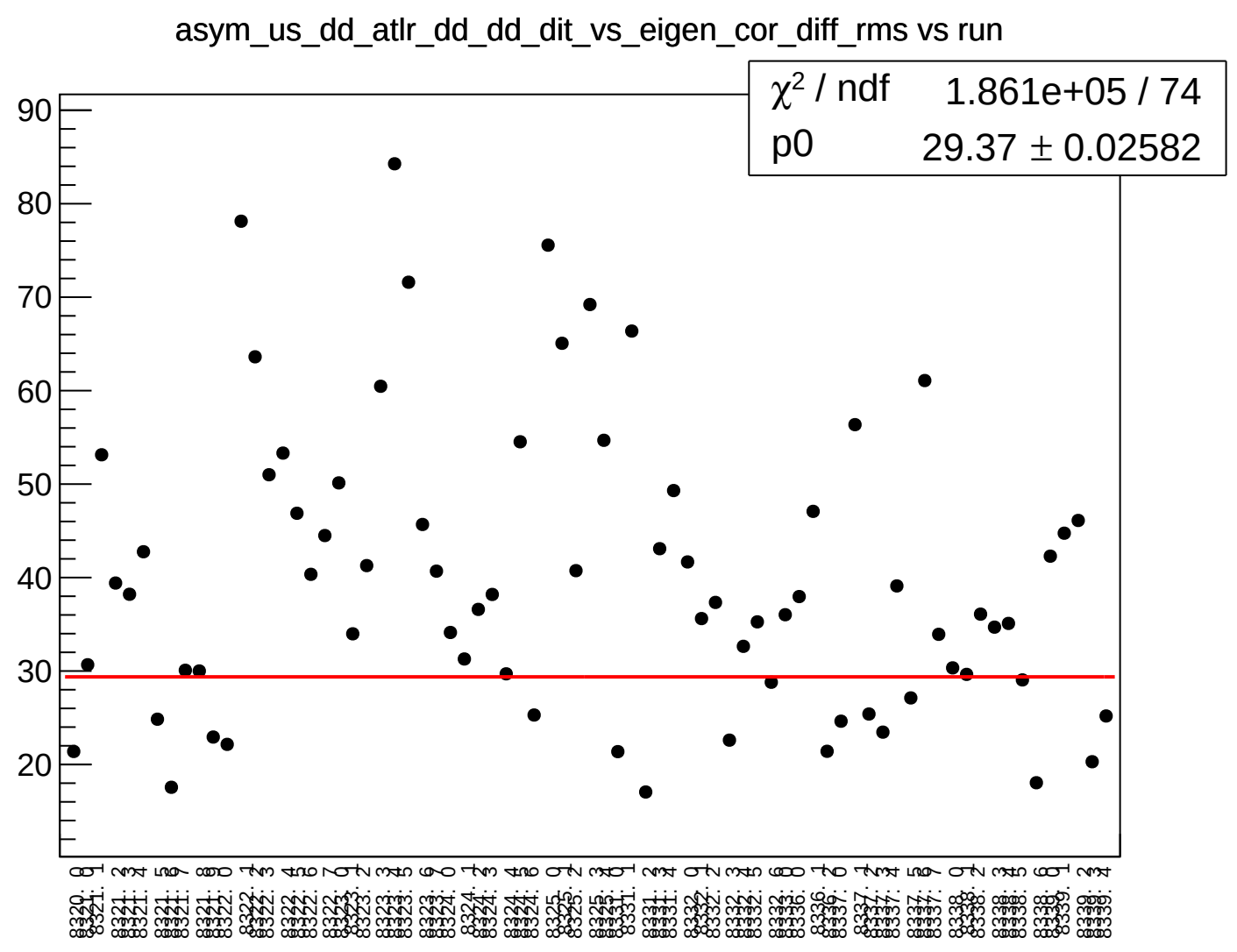

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.478e+05 / 74
p0 3.597e−11 ± 4.524e−14
0.6
0.5
0.4
0.3
0.2
0.1
0

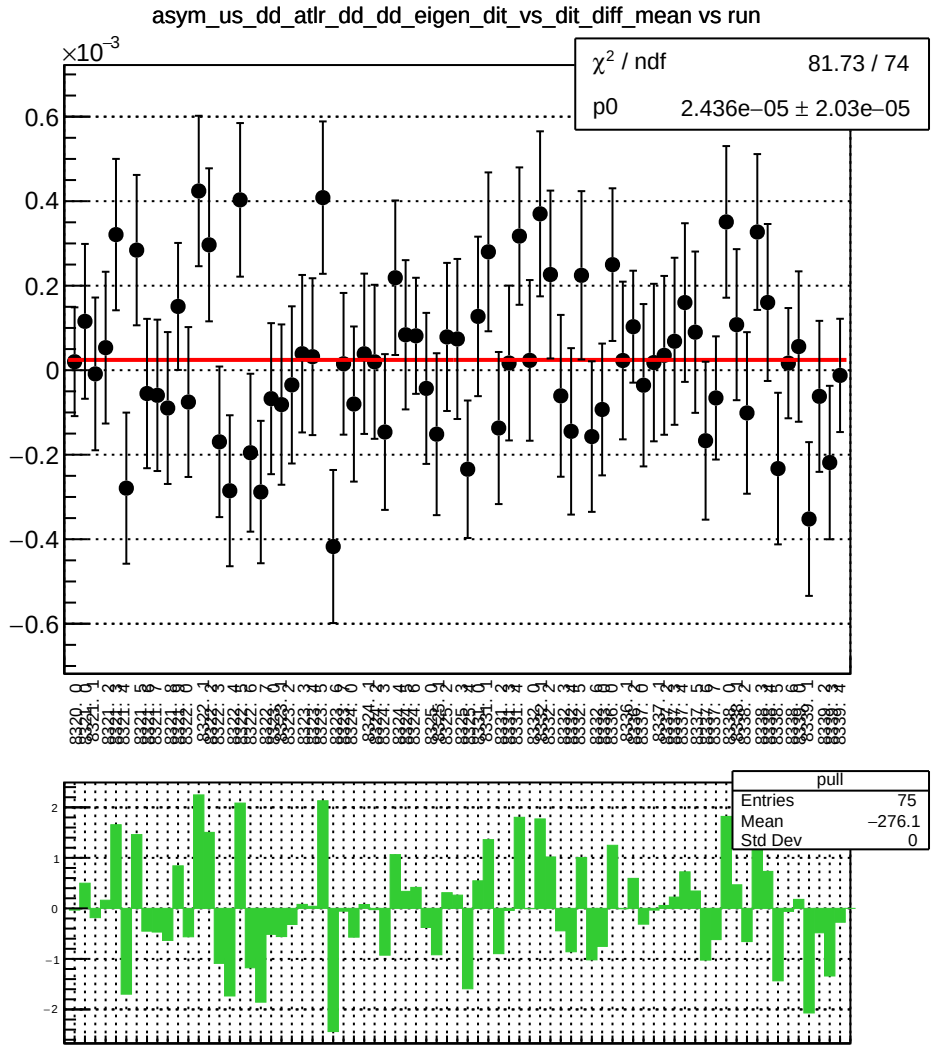

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 74.87 / 74
p0 −0.04035 ± 0.03652
pull
Entries 75
Mean 9.699
Std Dev 0
pull1D
Entries 75
Mean −0.06042
Std Dev 0.9973

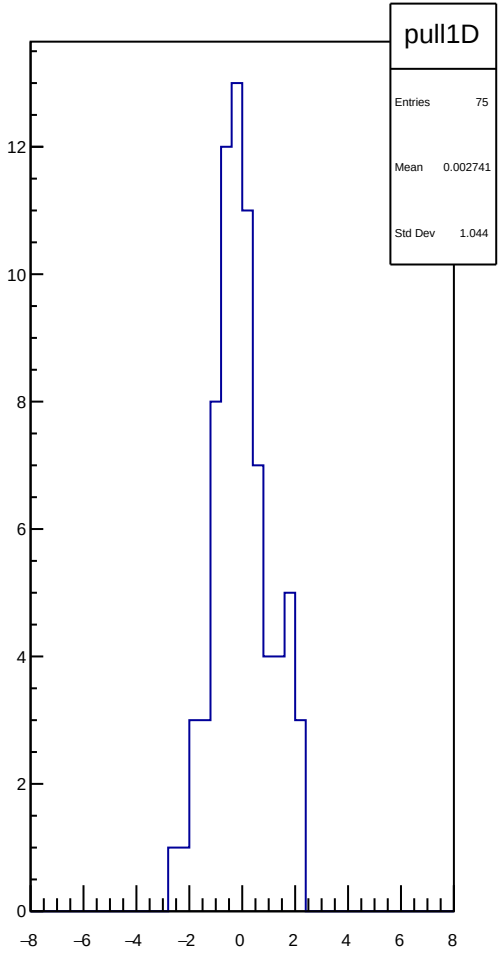

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.861e+05 / 74
p0 29.37 ± 0.02582
90
80
70
60
50
40
30
20

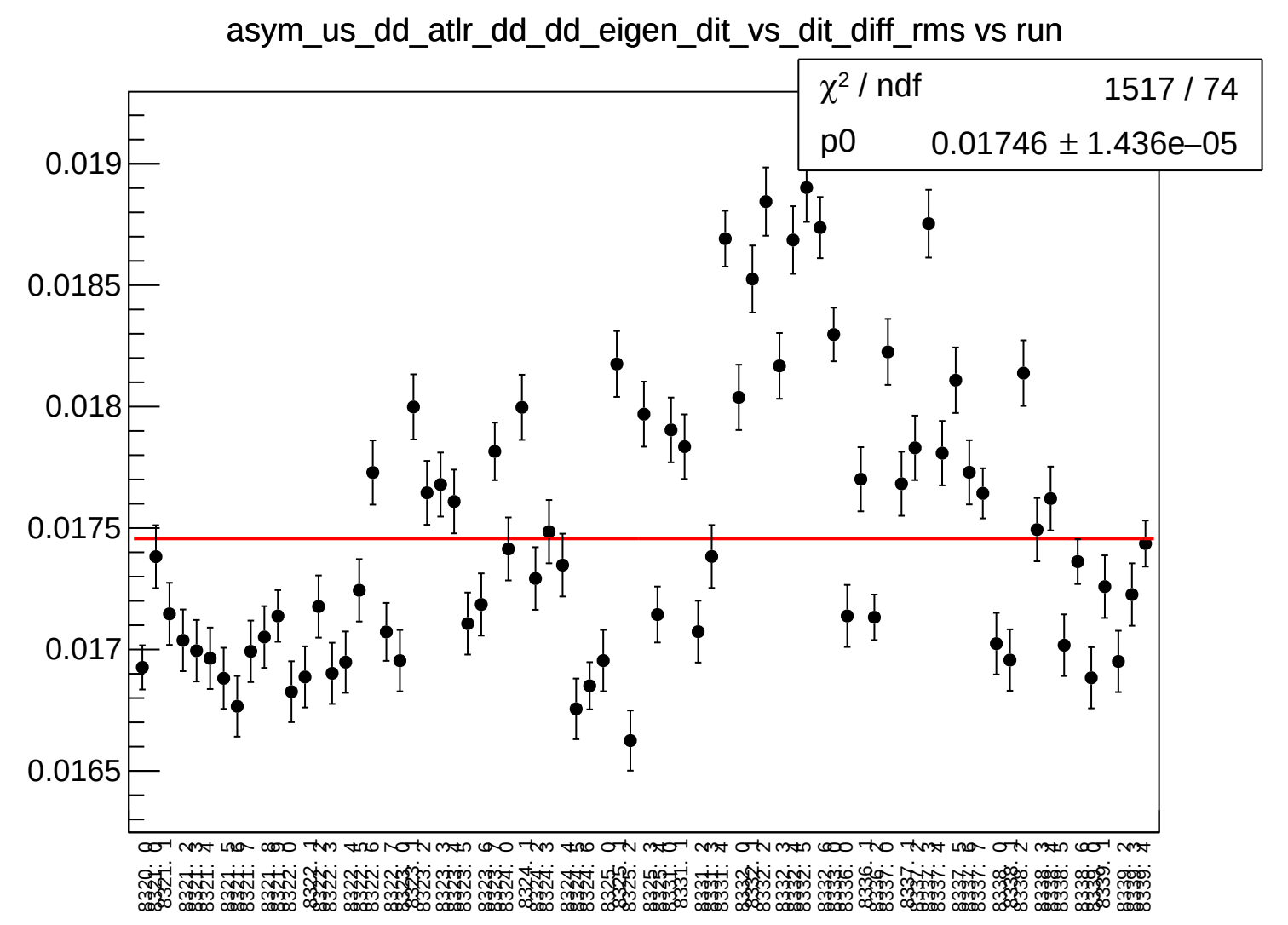

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.87 / 74
p0 −0.04035 ± 0.03652
pull
Entries 75
Mean 9.699
Std Dev 0

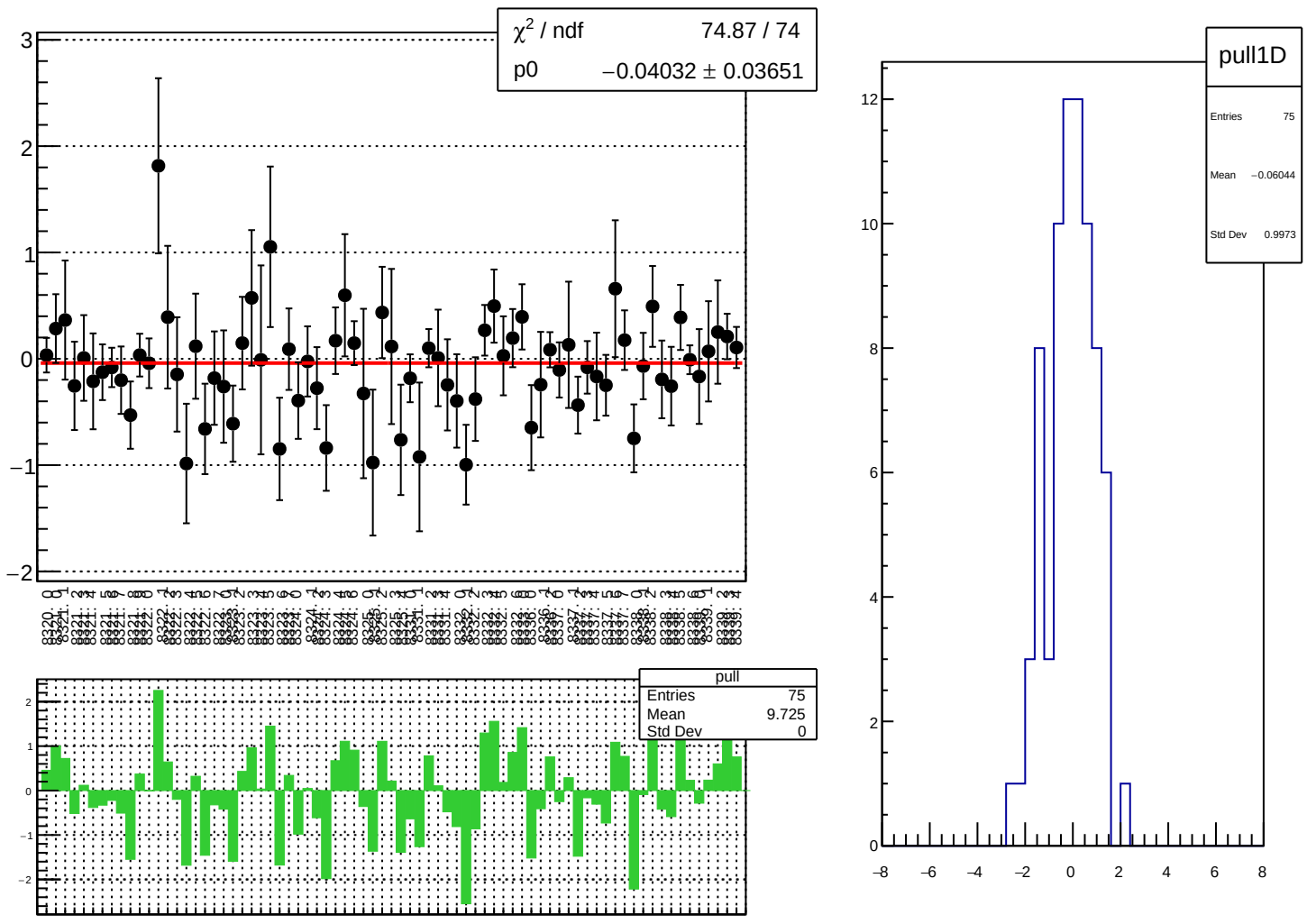

pull1D
Entries 75
Mean −0.06042
Std Dev 0.9973

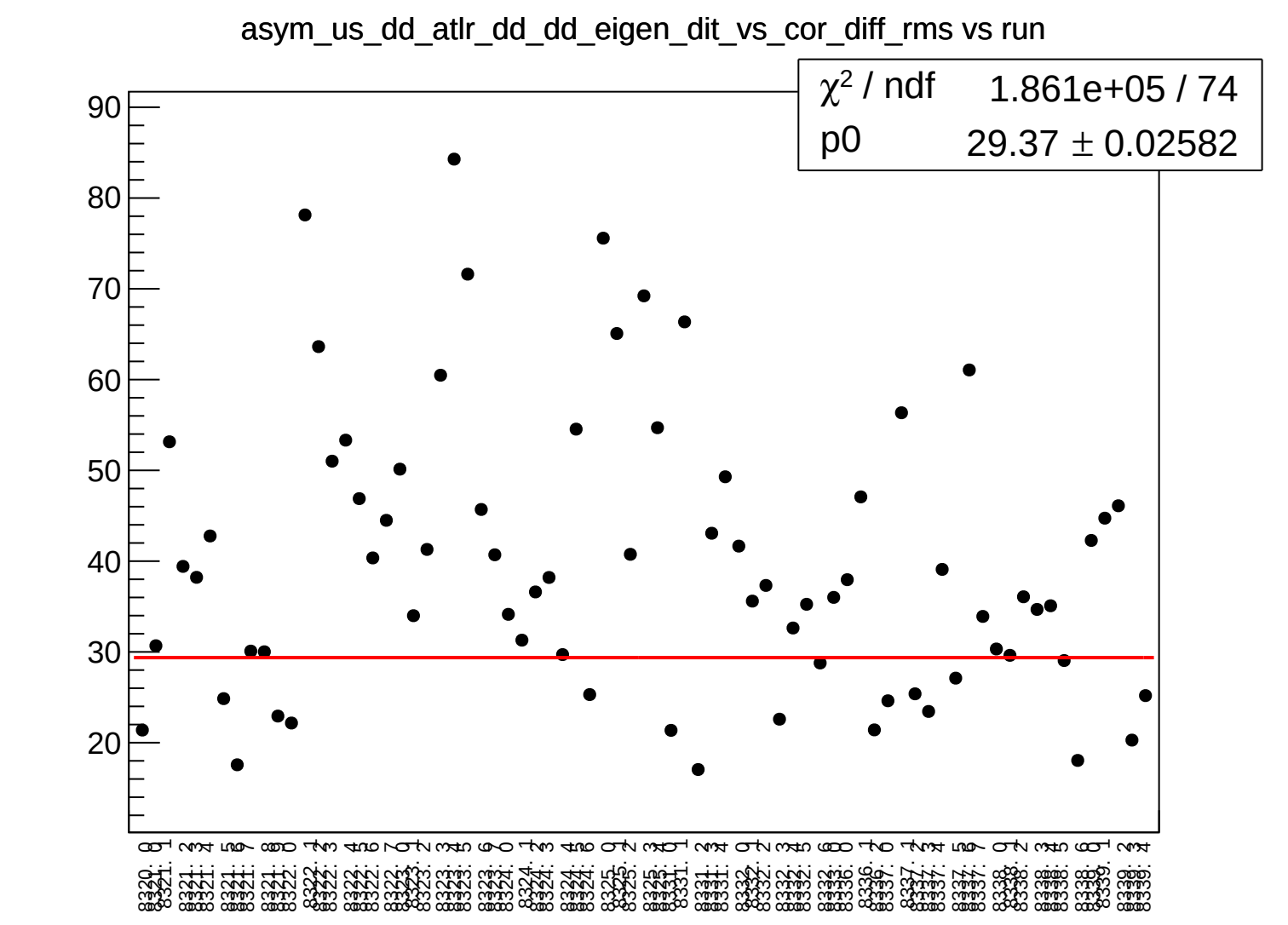

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.861e+05 / 74
p0 29.37 ± 0.02582
90
80
70
60
50
40
30
20

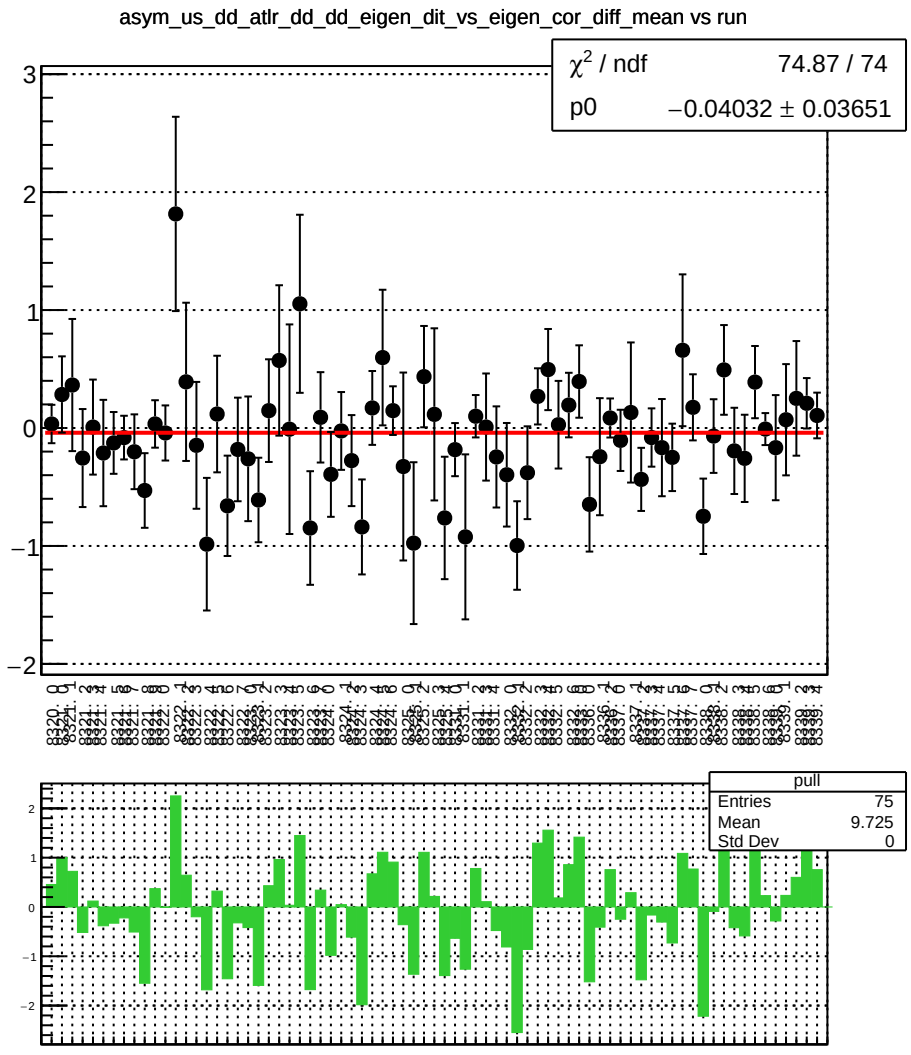

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 81.73 / 74
p0 2.436e−05 ± 2.03e−05
pull
Entries 75
Mean −276.1
Std Dev 0

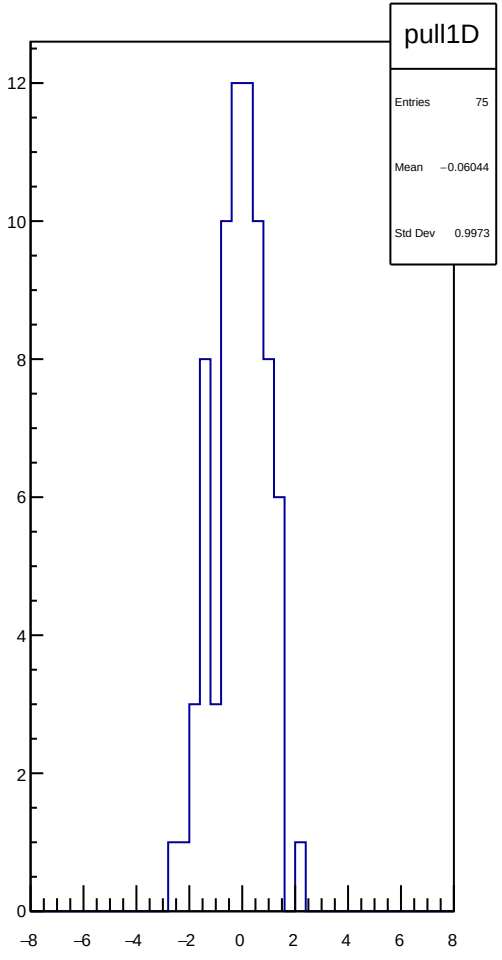

pull1D
Entries 75
Mean 0.002741
Std Dev 1.044

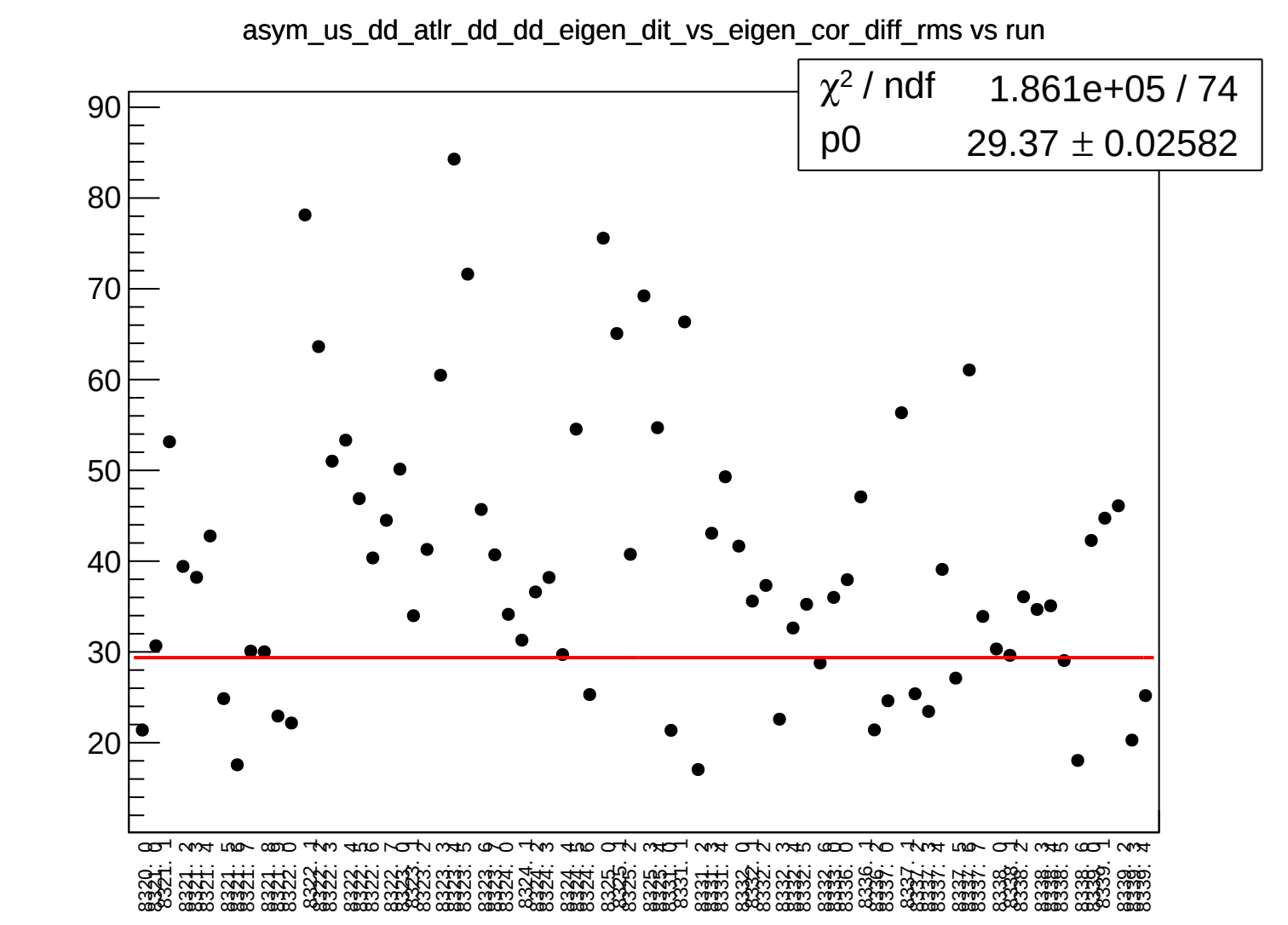

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1517 / 74
p0 0.01746 ± 1.436e−05
0.019
0.0185
0.018
0.0175
0.017
0.0165

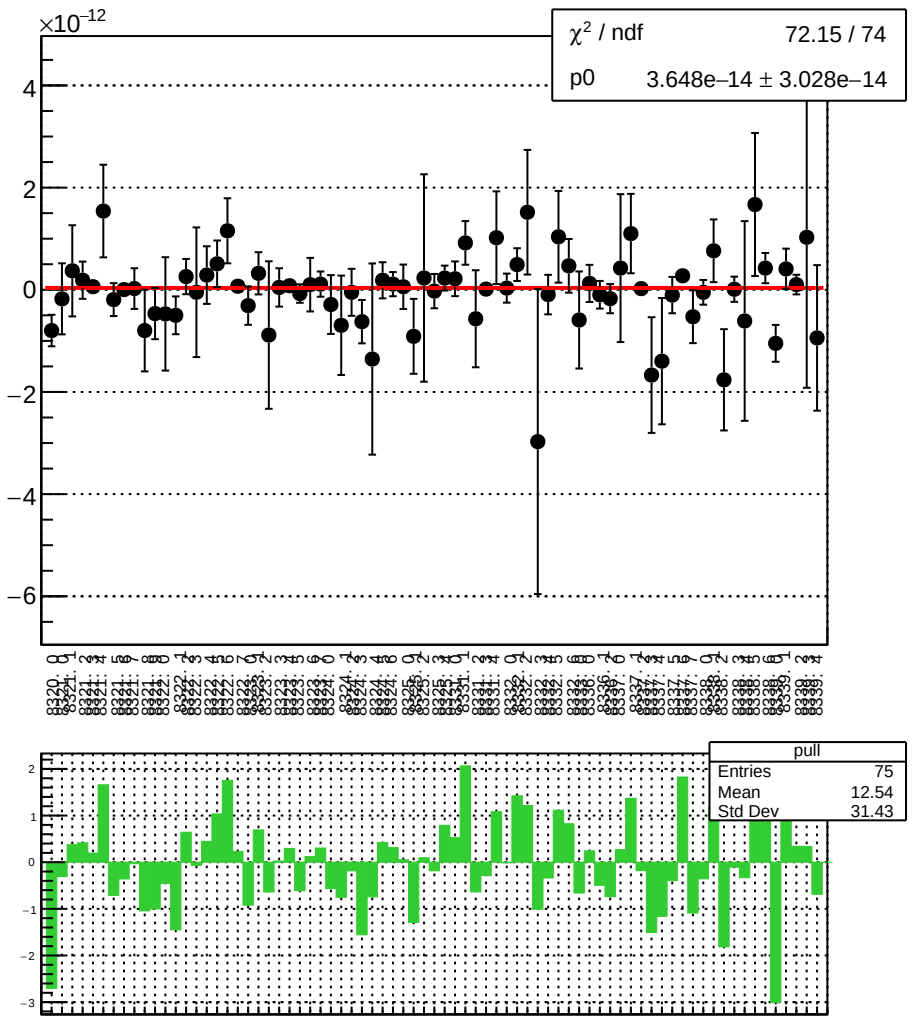

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.87 / 74
p0 −0.04032 ± 0.03651
pull
Entries 75
Mean 9.725
Std Dev 0
pull1D
Entries 75
Mean −0.06044
Std Dev 0.9973

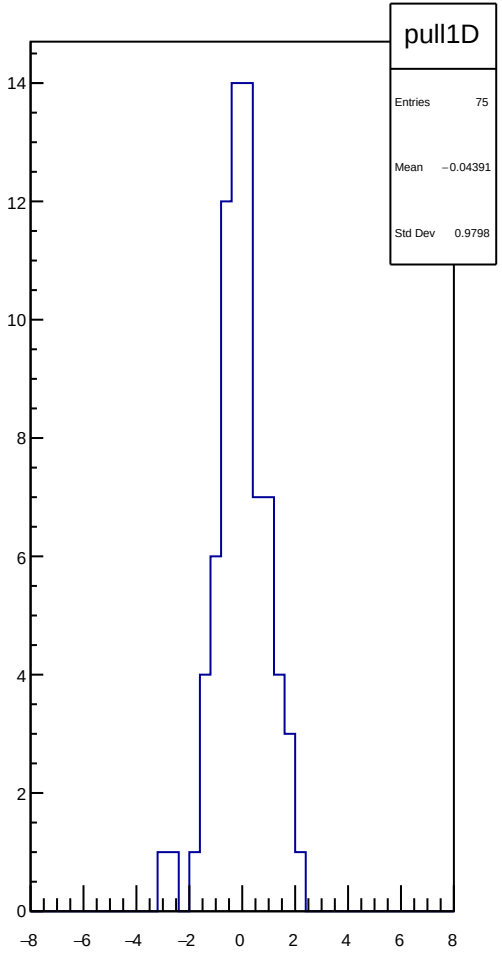

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.861e+05 / 74
p0 29.37 ± 0.02582
90
80
70
60
50
40
30
20

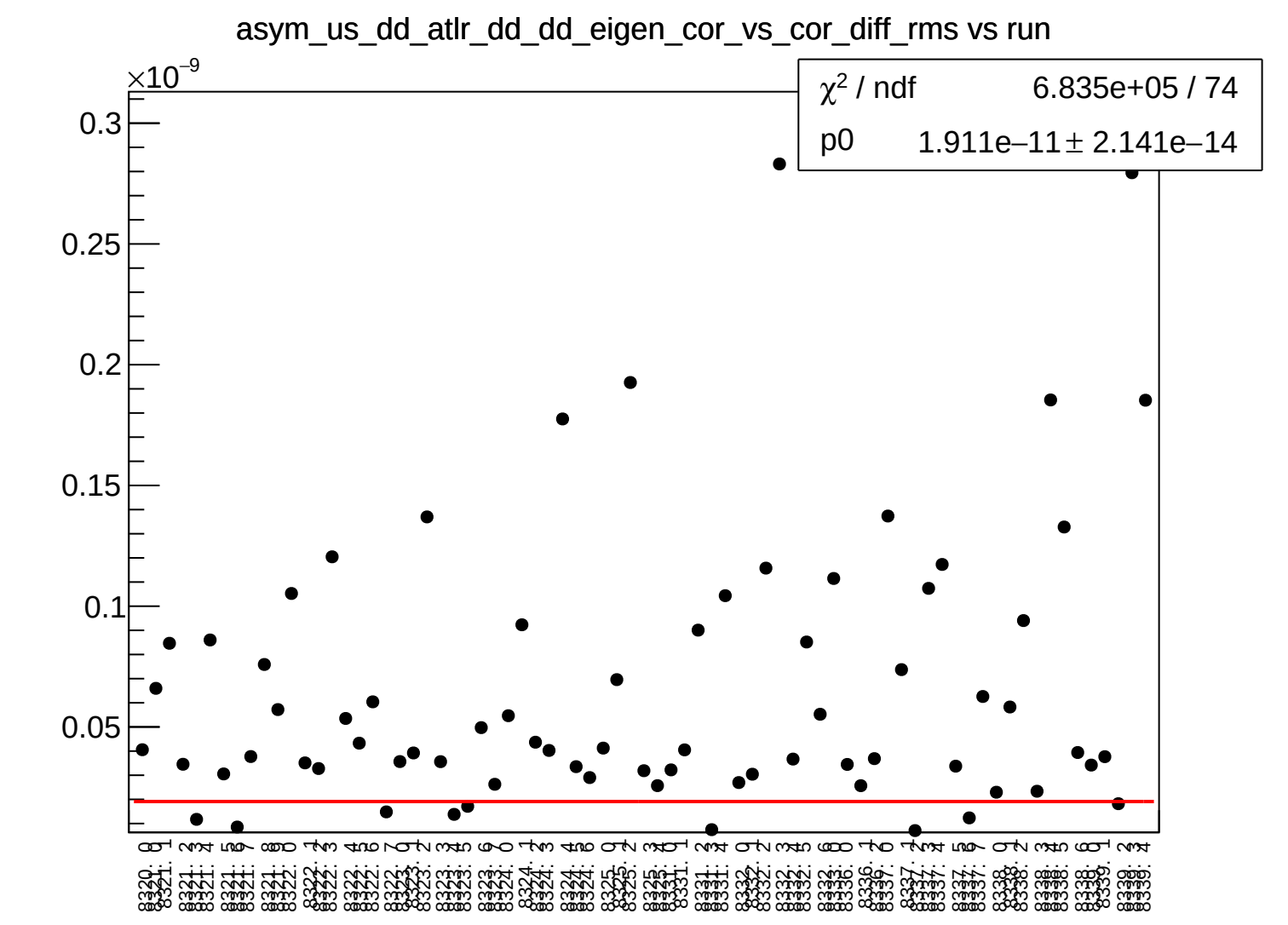

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.87 / 74
p0 −0.04032 ± 0.03651
pull
Entries 75
Mean 9.725
Std Dev 0

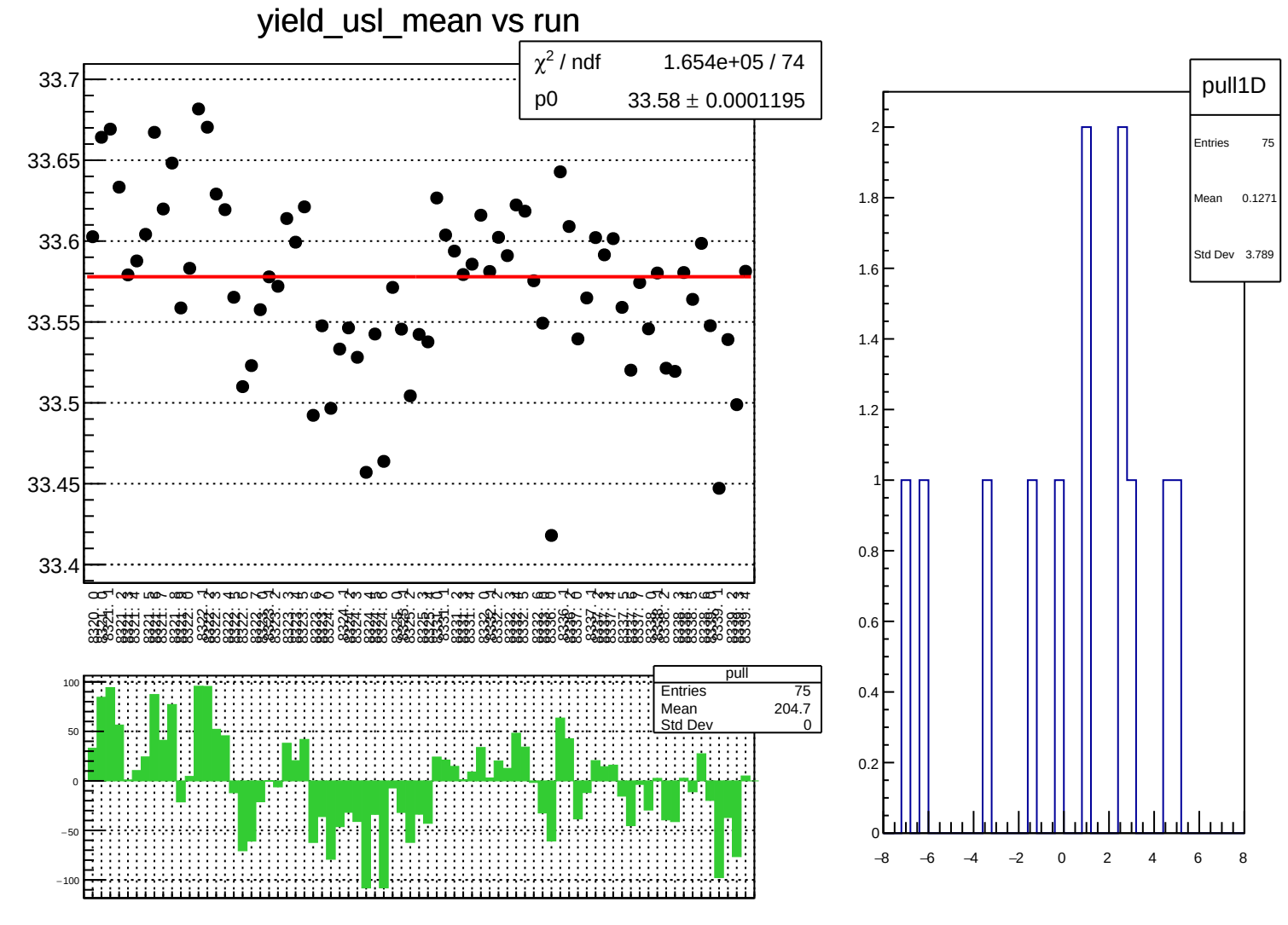

pull1D
Entries 75
Mean −0.06044
Std Dev 0.9973

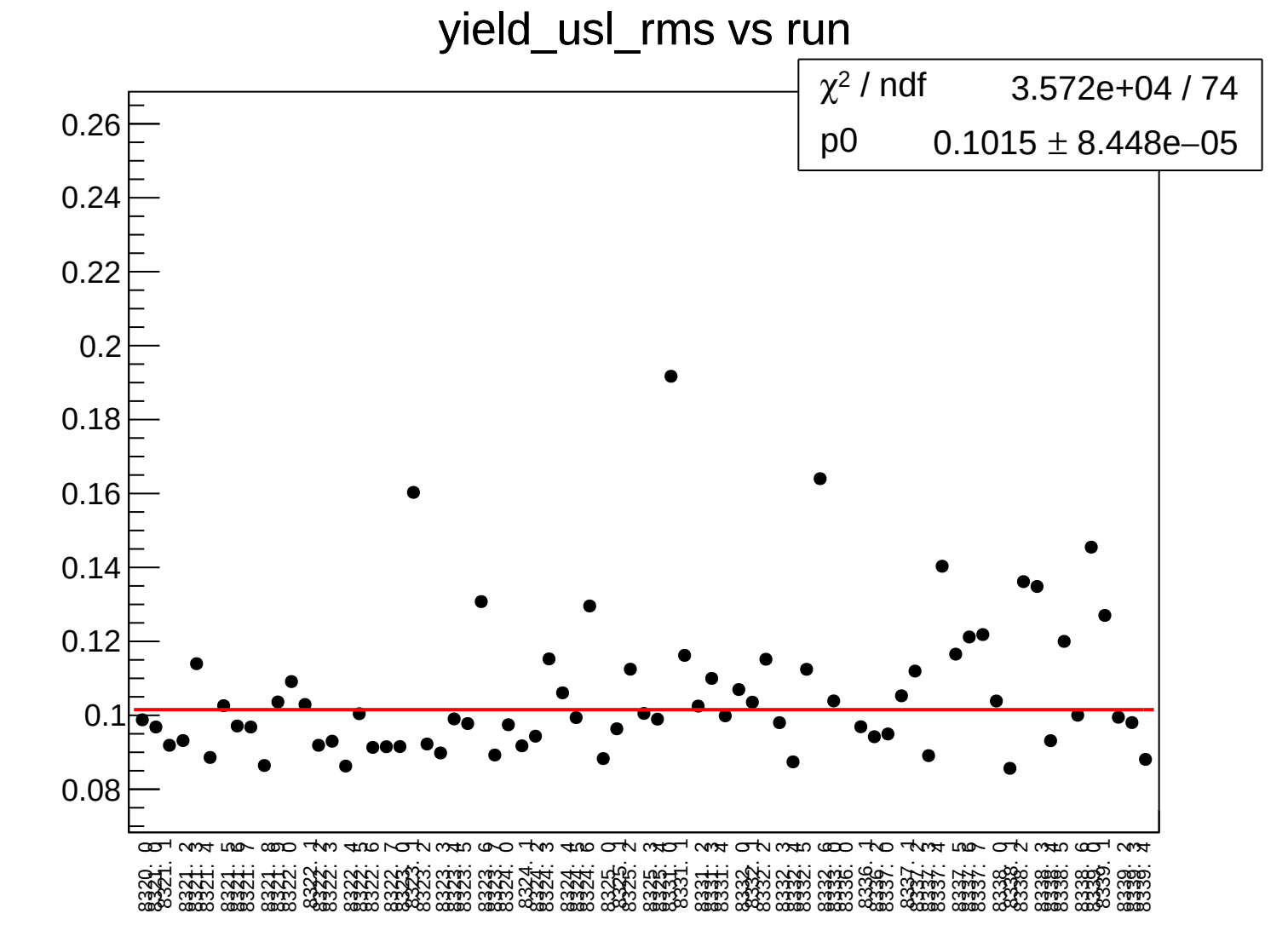

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.861e+05 / 74
p0 29.37 ± 0.02582
90
80
70
60
50
40
30
20

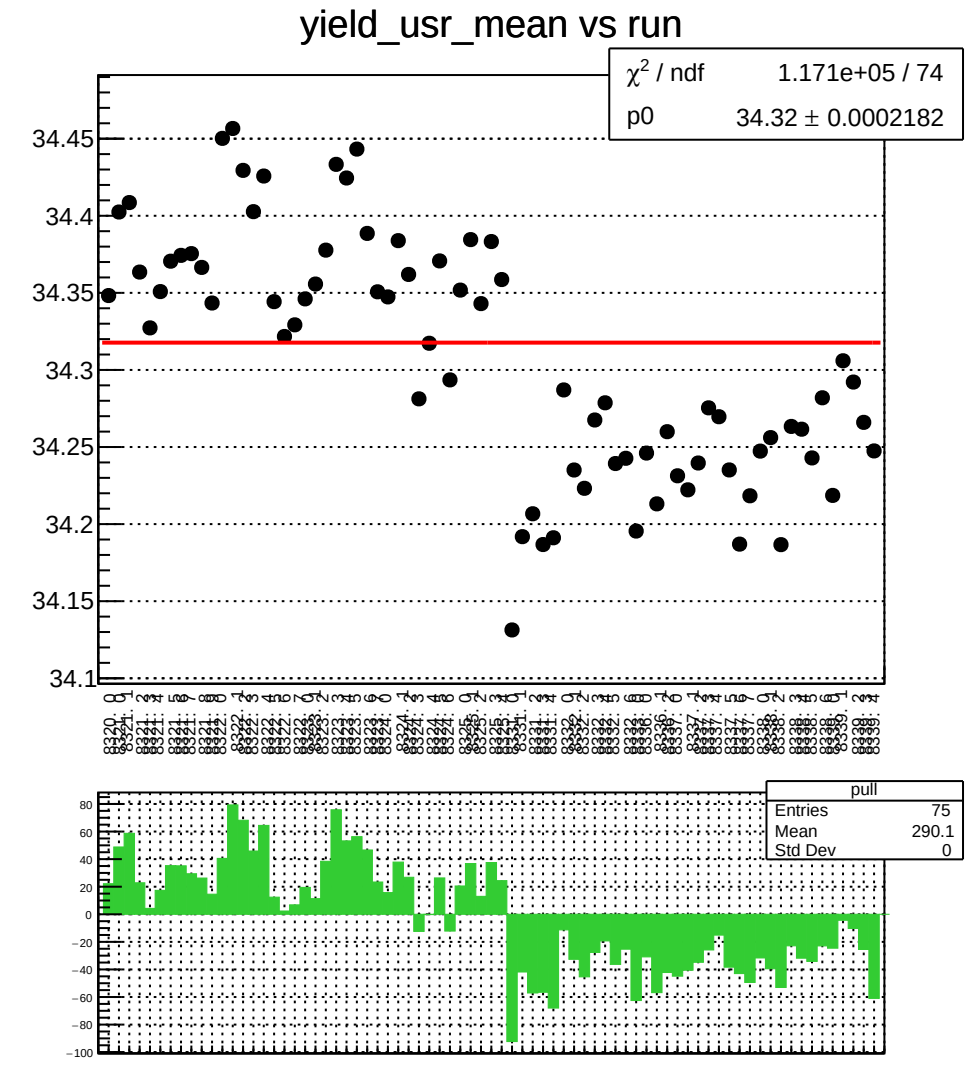

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 72.15 / 74
p0 3.648e−14 ± 3.028e−14
pull
Entries 75
Mean 12.54
Std Dev 31.43

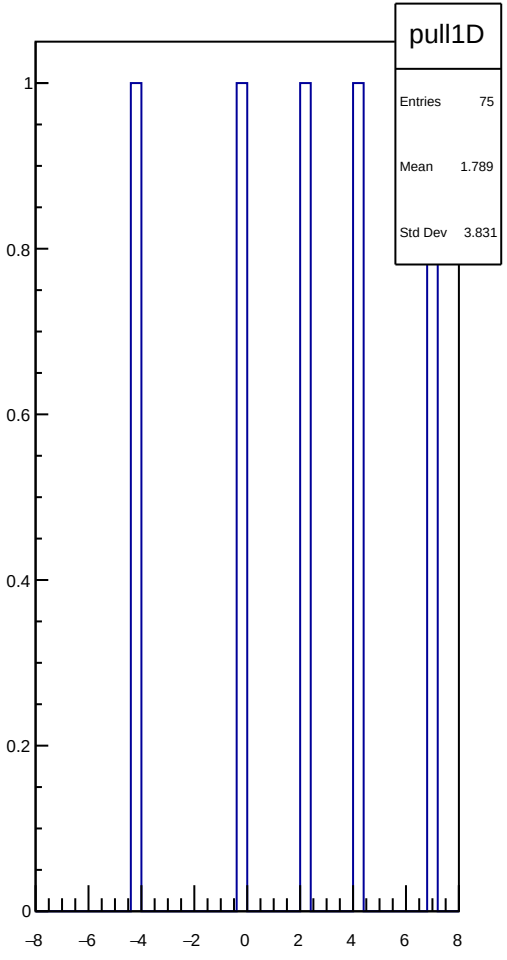

pull1D
Entries 75
Mean −0.04391
Std Dev 0.9798

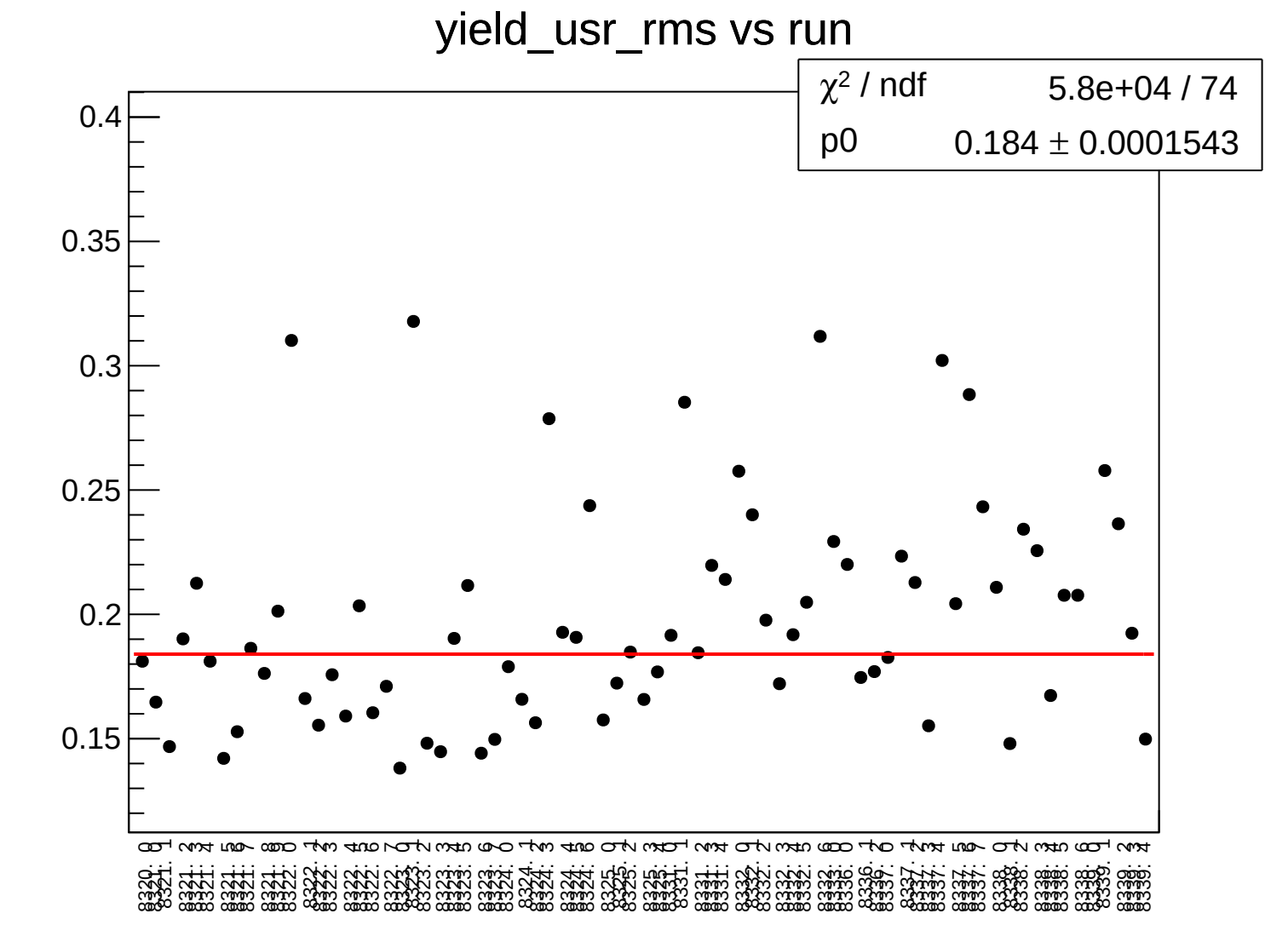

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 6.835e+05 / 74
p0 1.911e−11 ± 2.141e−14
0.3
0.25
0.2
0.15
0.1
0.05

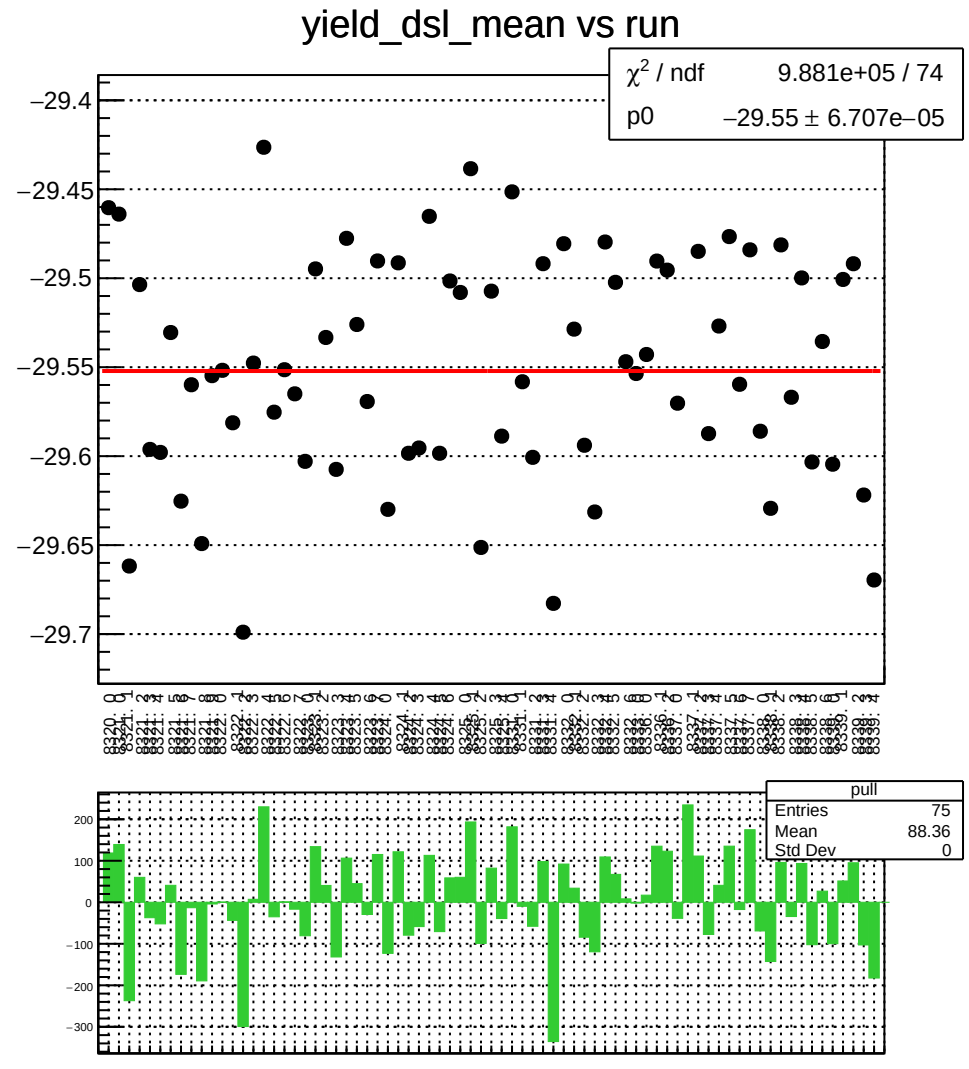

yield_usl_mean vs run
χ² / ndf 1.654e+05 / 74
p0 33.58 ± 0.0001195
33.7
33.65
33.6
33.55
33.5
33.45
33.4
pull
Entries 75
Mean 204.7
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 75
Mean 0.1271
Std Dev 3.789
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

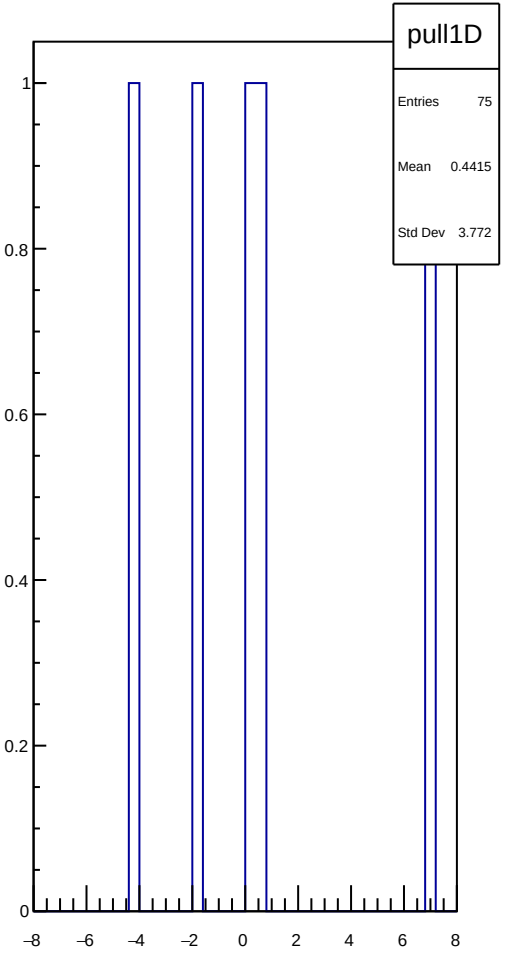

yield_usl_rms vs run
χ² / ndf 3.572e+04 / 74
p0 0.1015 ± 8.448e−05
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

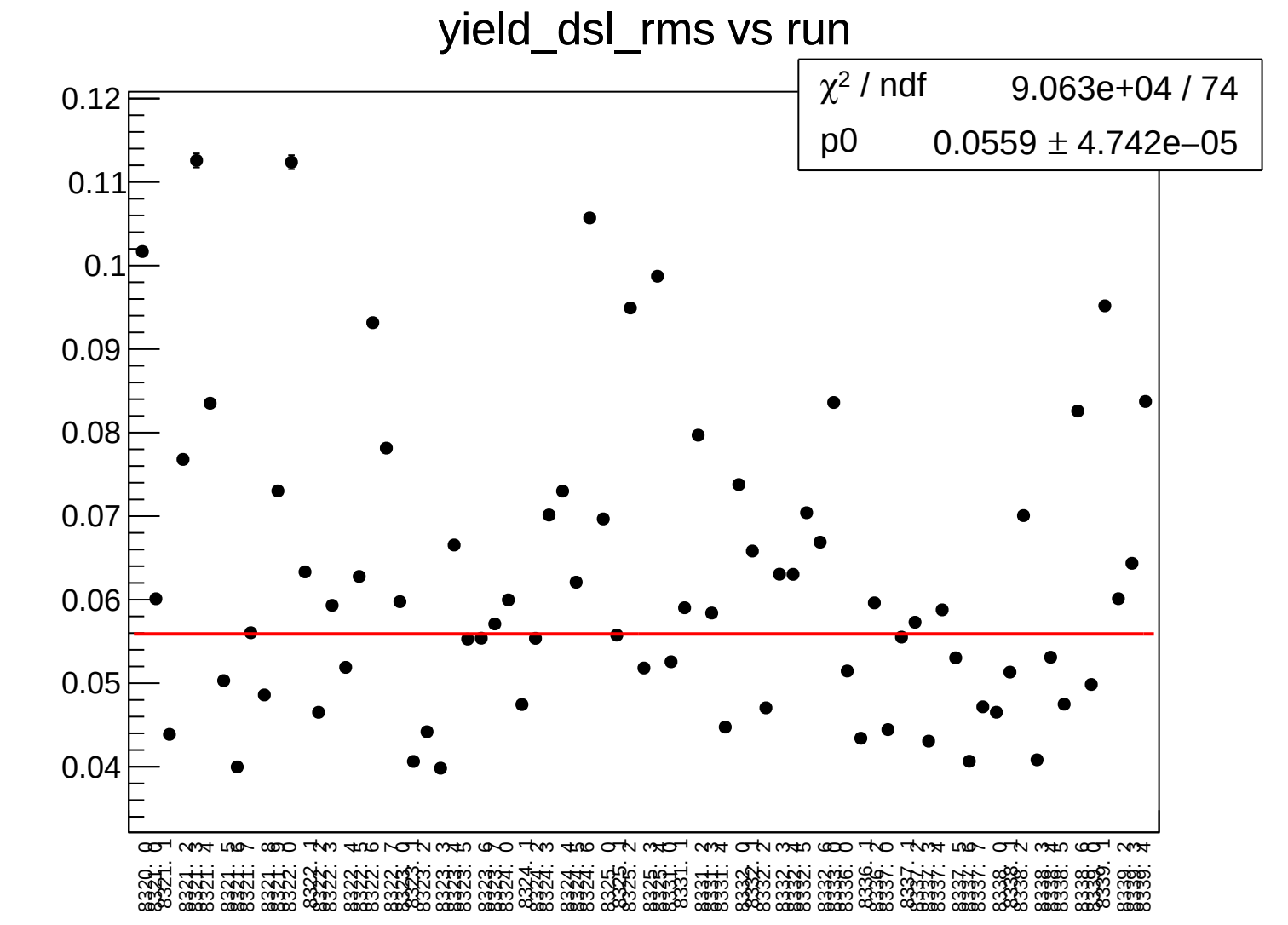

yield_usr_mean vs run
χ² / ndf 1.171e+05 / 74
p0 34.32 ± 0.0002182
34.45
34.4
34.35
34.3
34.25
34.2
34.15
34.1
pull
Entries 75
Mean 290.1
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100

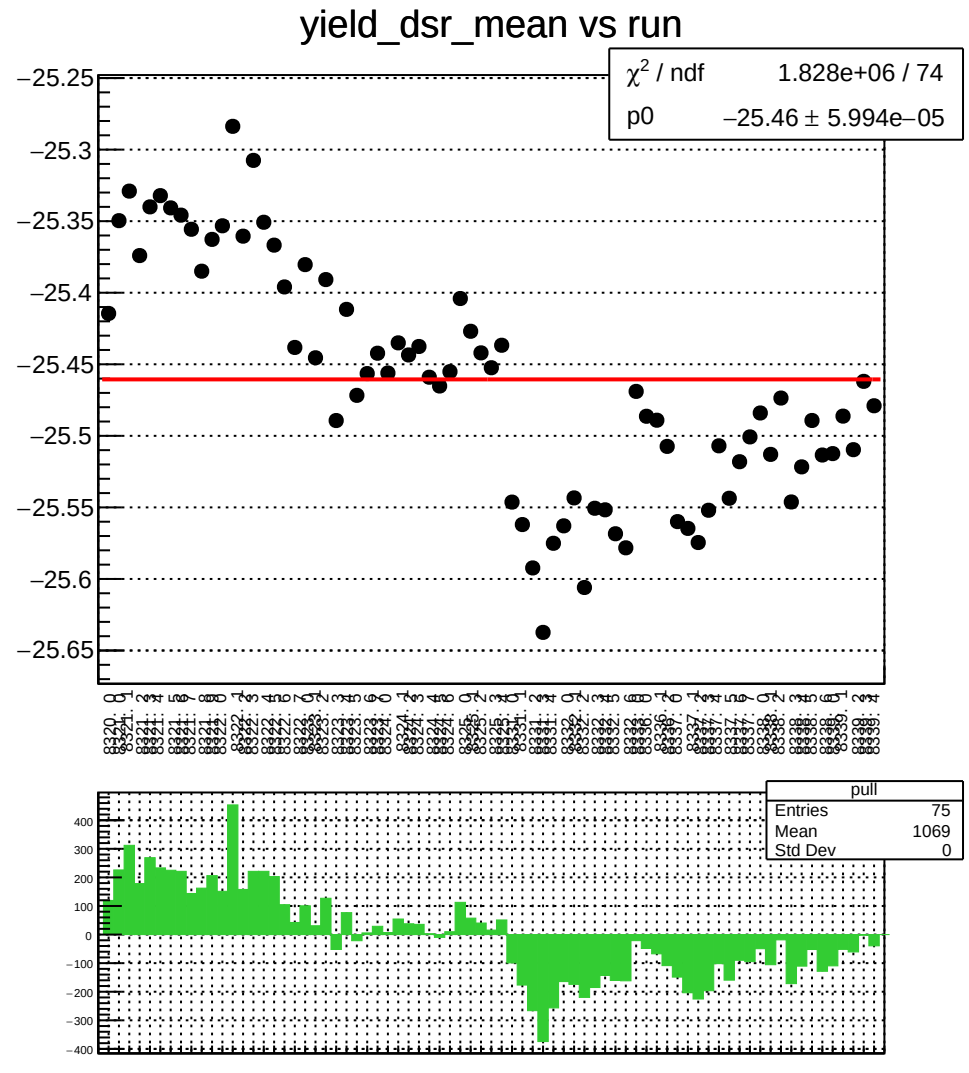

pull1D
Entries 75
Mean 1.789
Std Dev 3.831
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

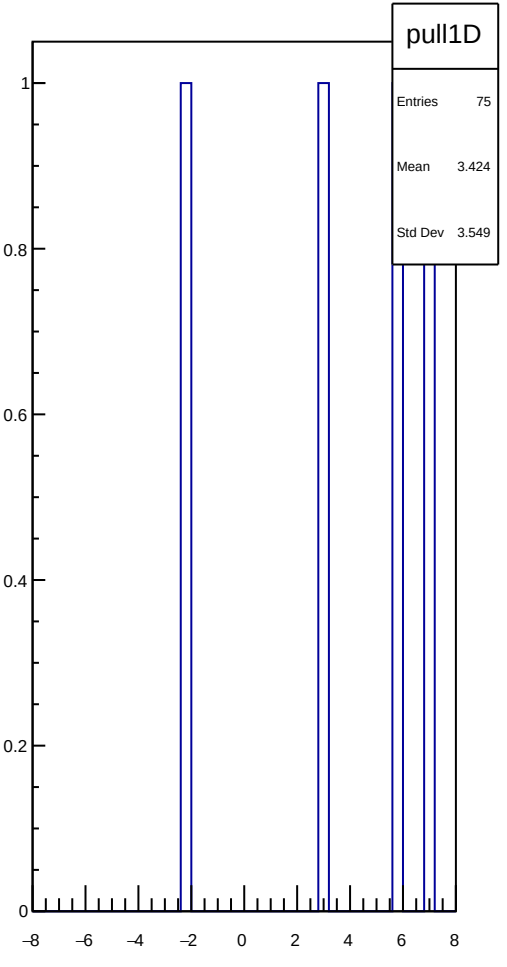

yield_usr_rms vs run
χ² / ndf 5.8e+04 / 74
p0 0.184 ± 0.0001543
0.4
0.35
0.3
0.25
0.2
0.15

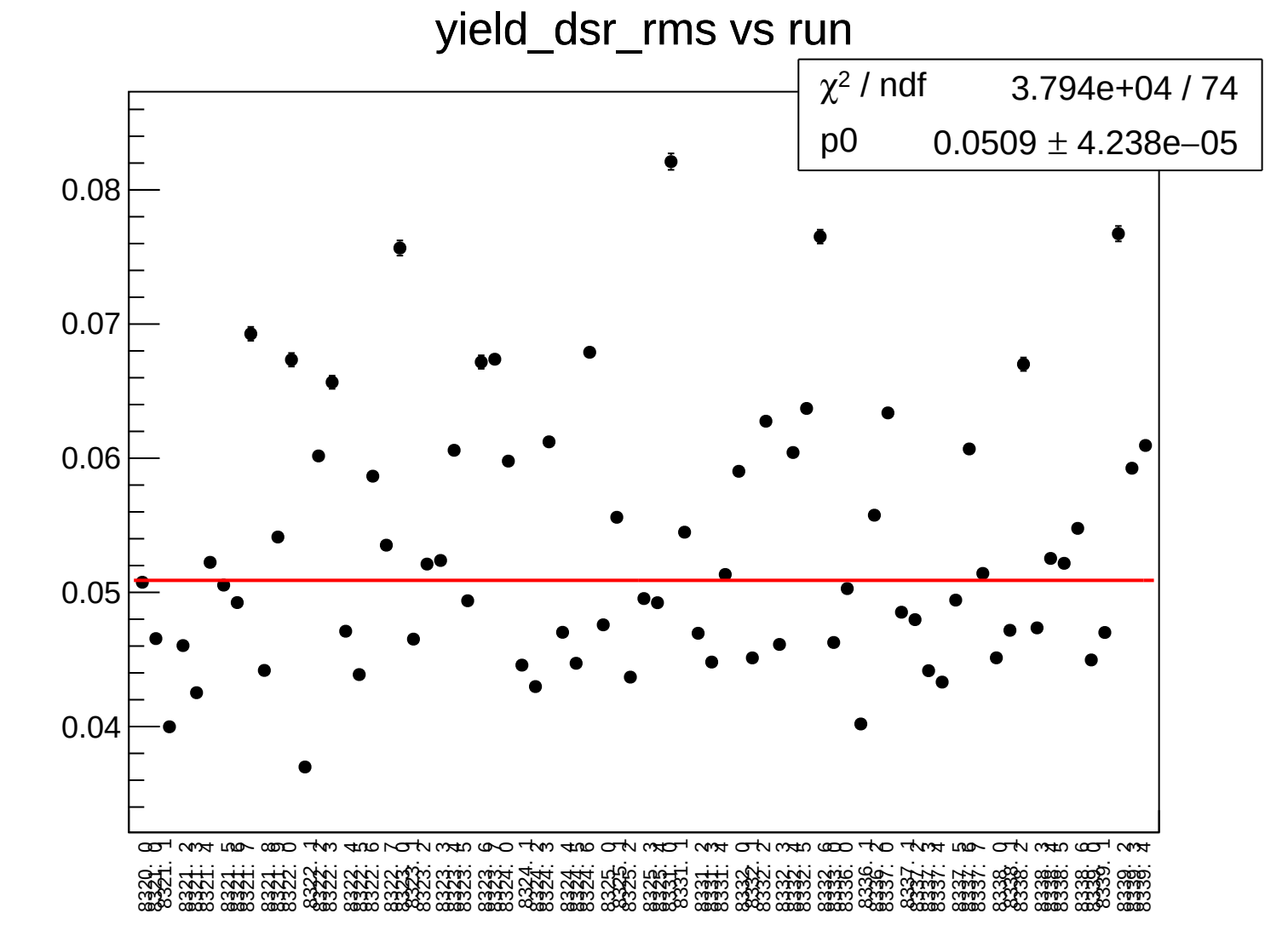

yield_dsl_mean vs run
χ² / ndf 9.881e+05 / 74
p0 −29.55 ± 6.707e−05
−29.4
−29.45
−29.5
−29.55
−29.6
−29.65
−29.7
pull
Entries 75
Mean 88.36
Std Dev 0
200
100
0
−100
−200
−300

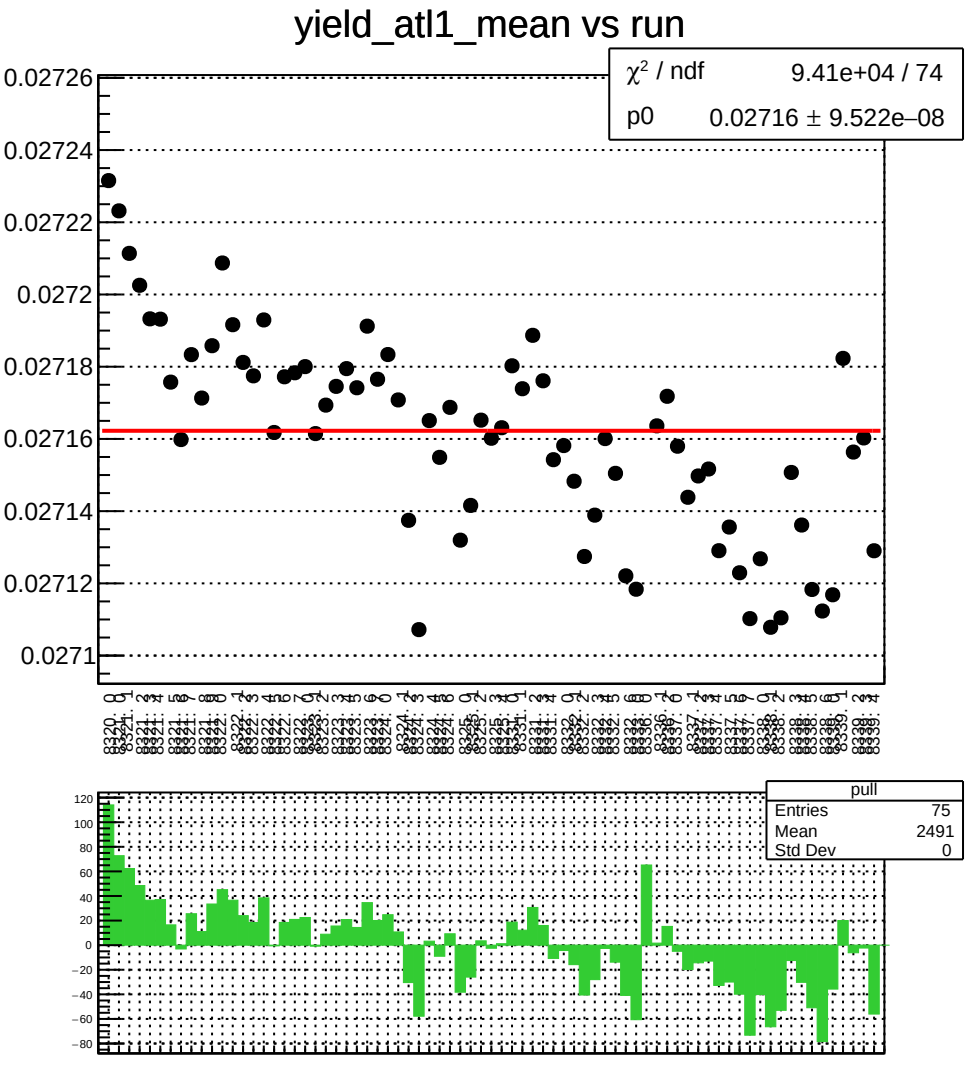

pull1D
Entries 75
Mean 0.4415
Std Dev 3.772
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

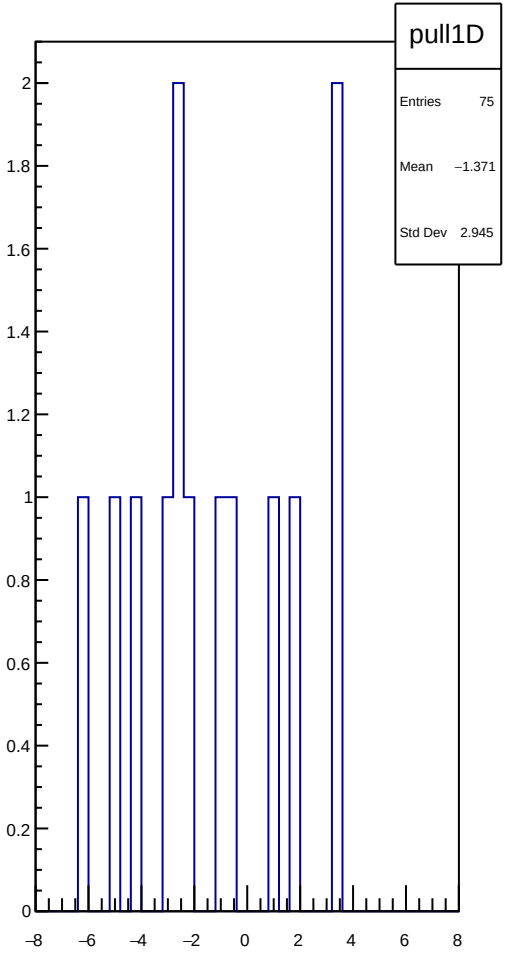

yield_dsl_rms vs run
χ² / ndf 9.063e+04 / 74
p0 0.0559 ± 4.742e−05
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

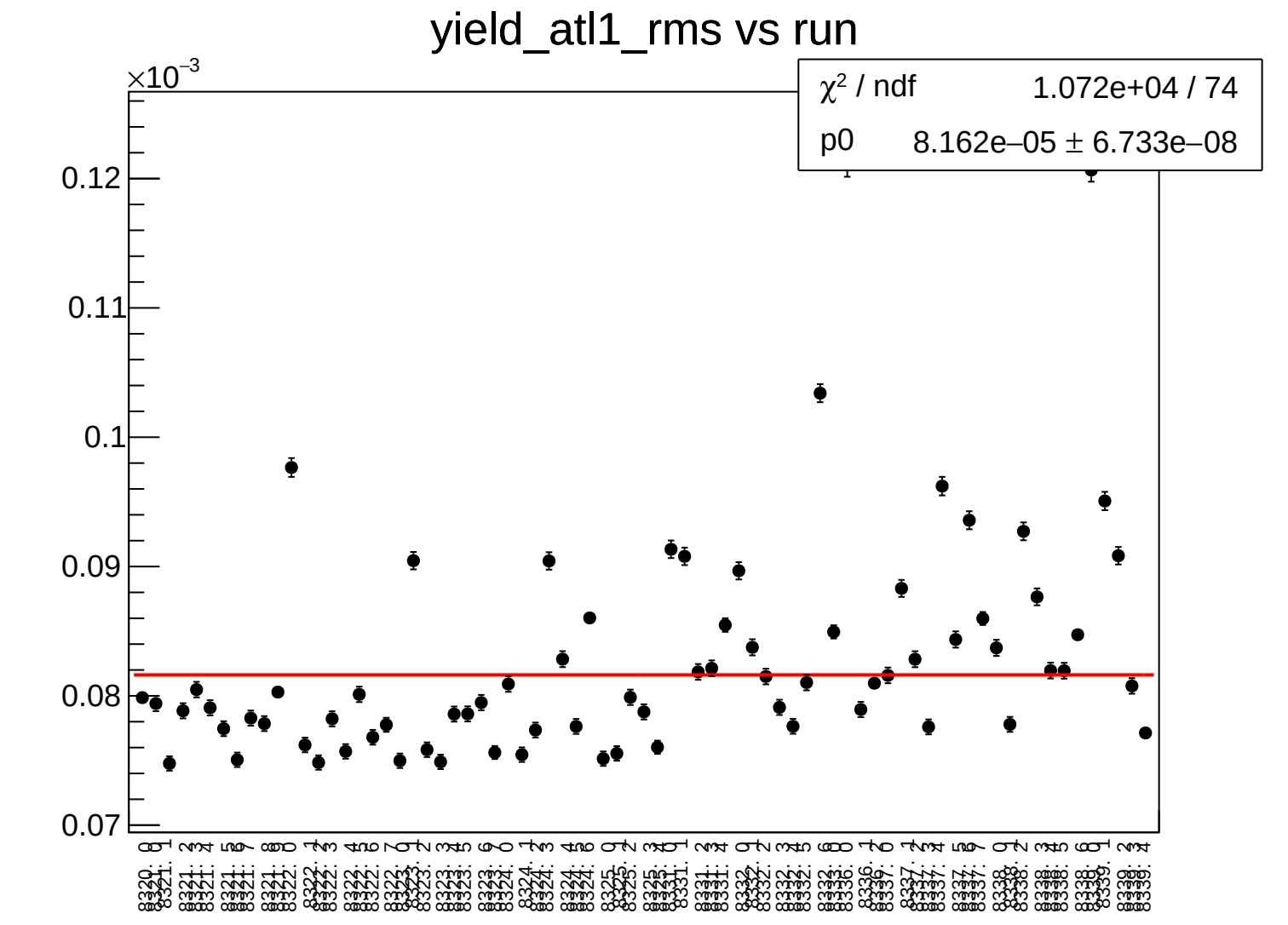

yield_dsr_mean vs run
χ² / ndf 1.828e+06 / 74
p0 −25.46 ± 5.994e−05
−25.25
−25.3
−25.35
−25.4
−25.45
−25.5
−25.55
−25.6
−25.65
pull
Entries 75
Mean 1069
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

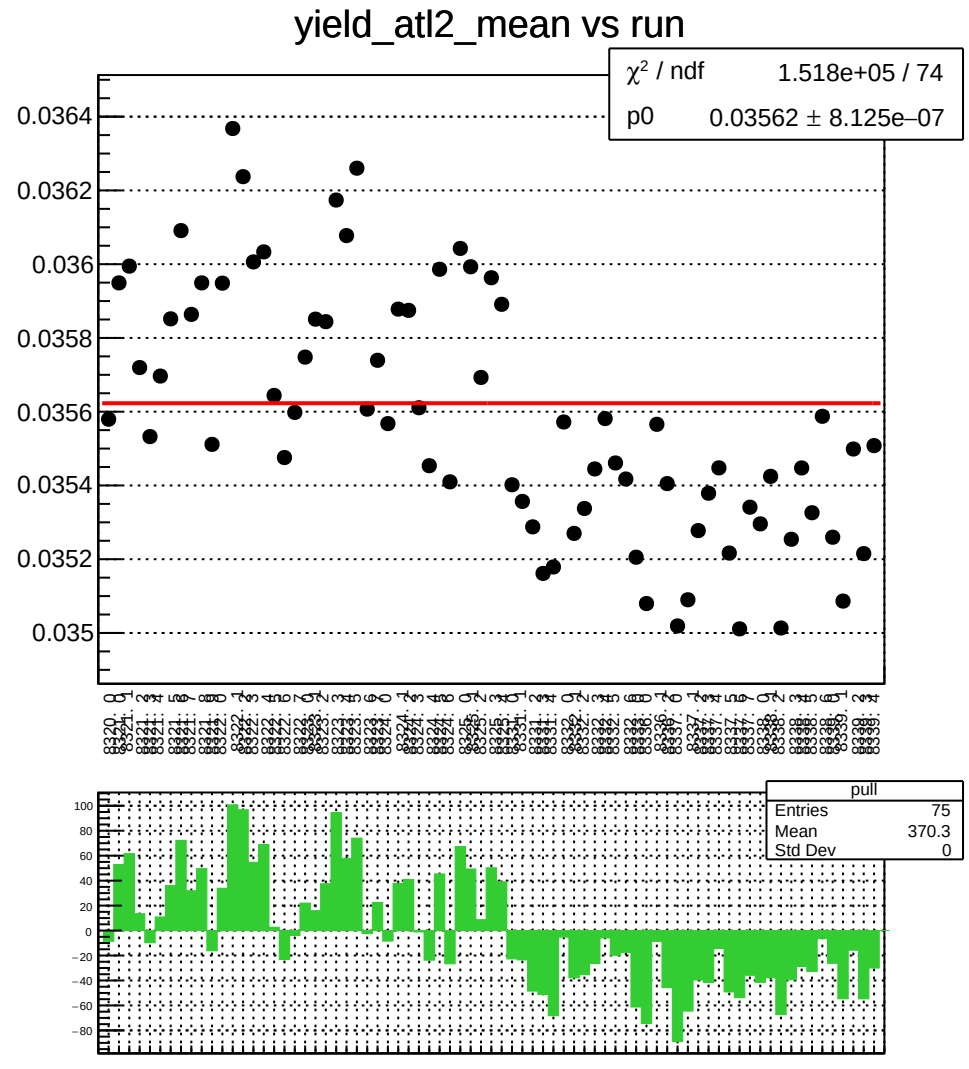

pull1D
Entries 75
Mean 3.424
Std Dev 3.549
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

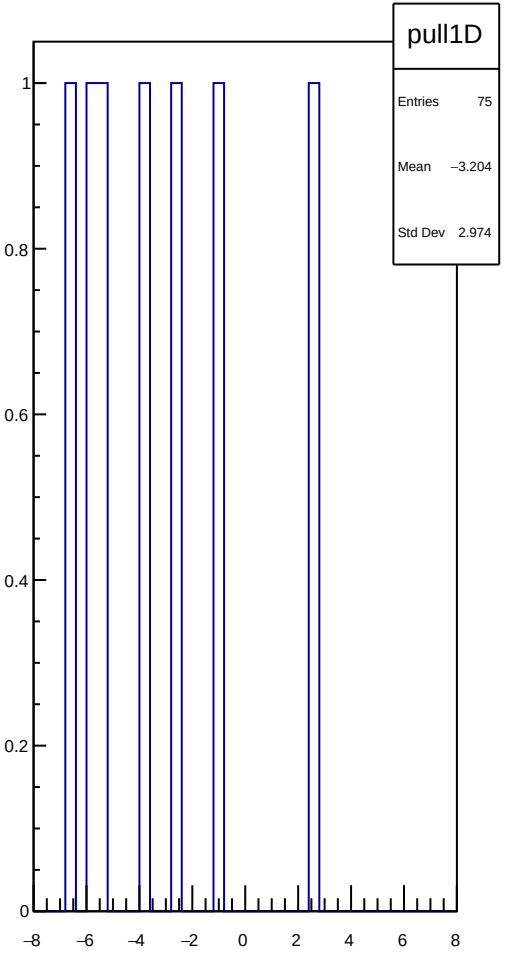

yield_dsr_rms vs run
χ² / ndf 3.794e+04 / 74
p0 0.0509 ± 4.238e−05
0.08
0.07
0.06
0.05
0.04

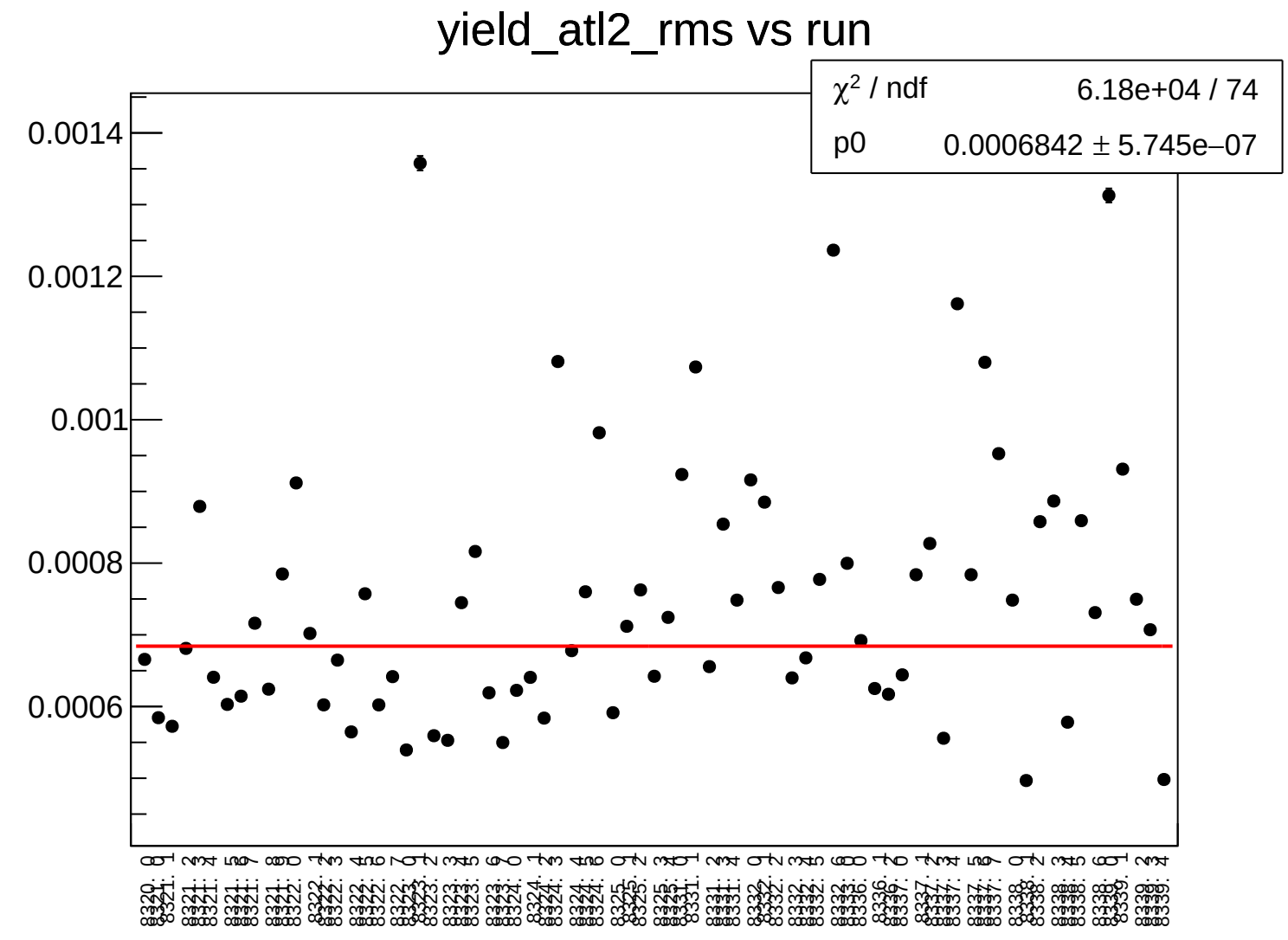

yield_atl1_mean vs run
χ² / ndf 9.41e+04 / 74
p0 0.02716 ± 9.522e−08
0.02726
0.02724
0.02722
0.0272
0.02718
0.02716
0.02714
0.02712
0.0271
pull
Entries 75
Mean 2491
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

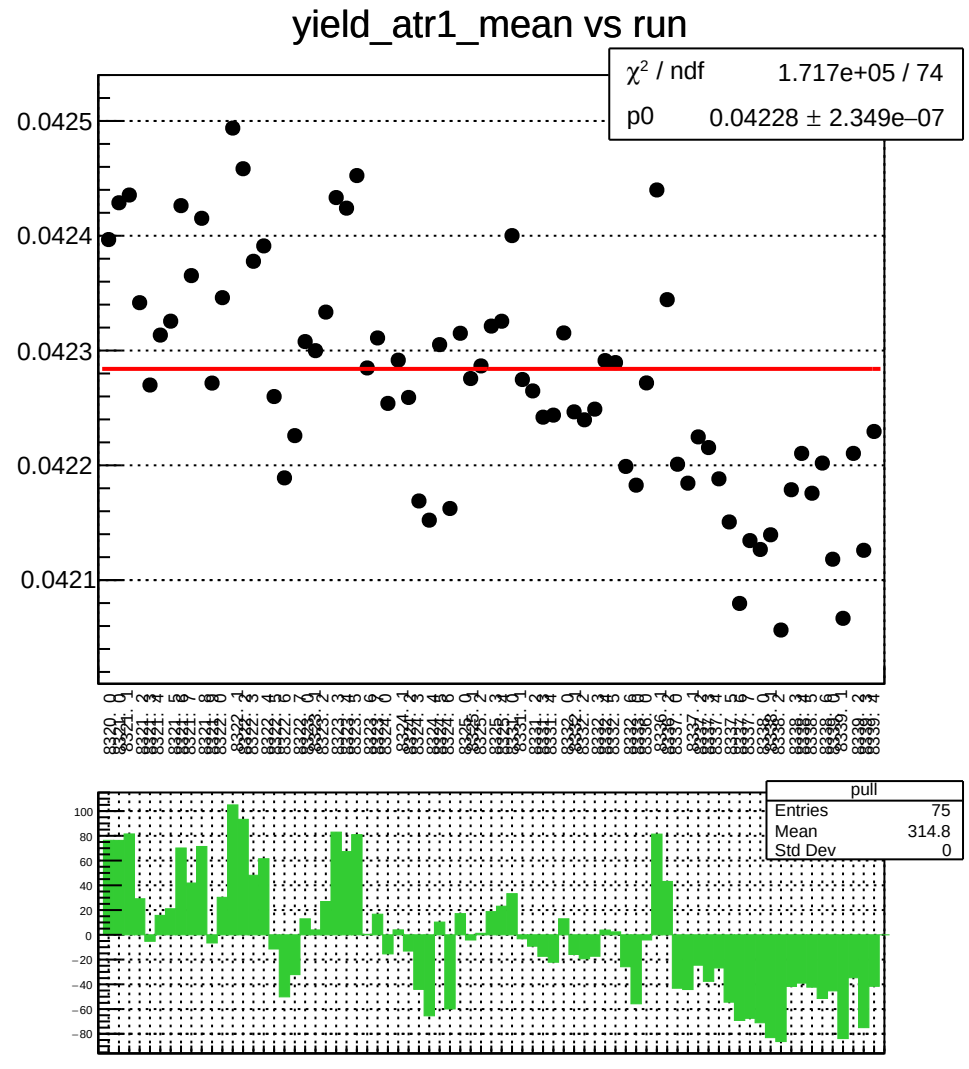

pull1D
Entries 75
Mean −1.371
Std Dev 2.945
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

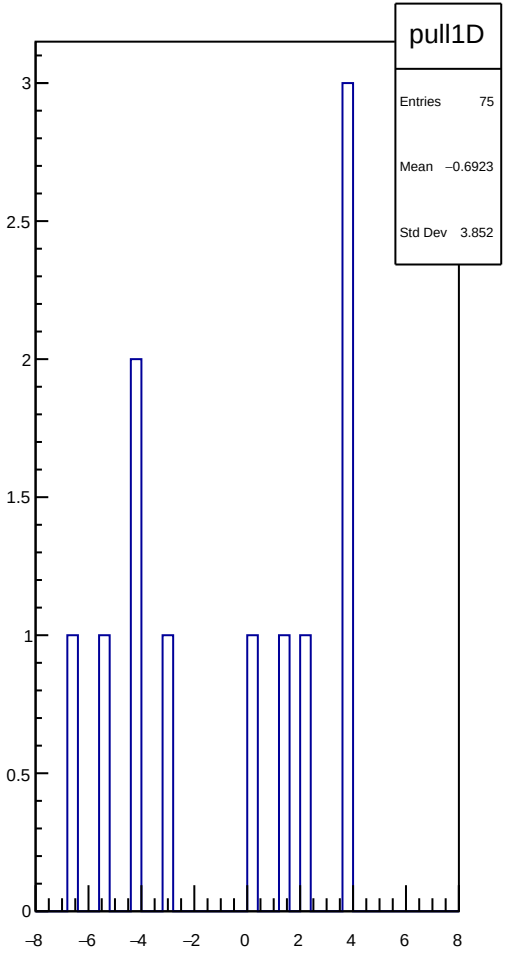

yield_atl1_rms vs run
×10⁻³
χ² / ndf 1.072e+04 / 74
p0 8.162e−05 ± 6.733e−08
0.12
0.11
0.1
0.09
0.08
0.07

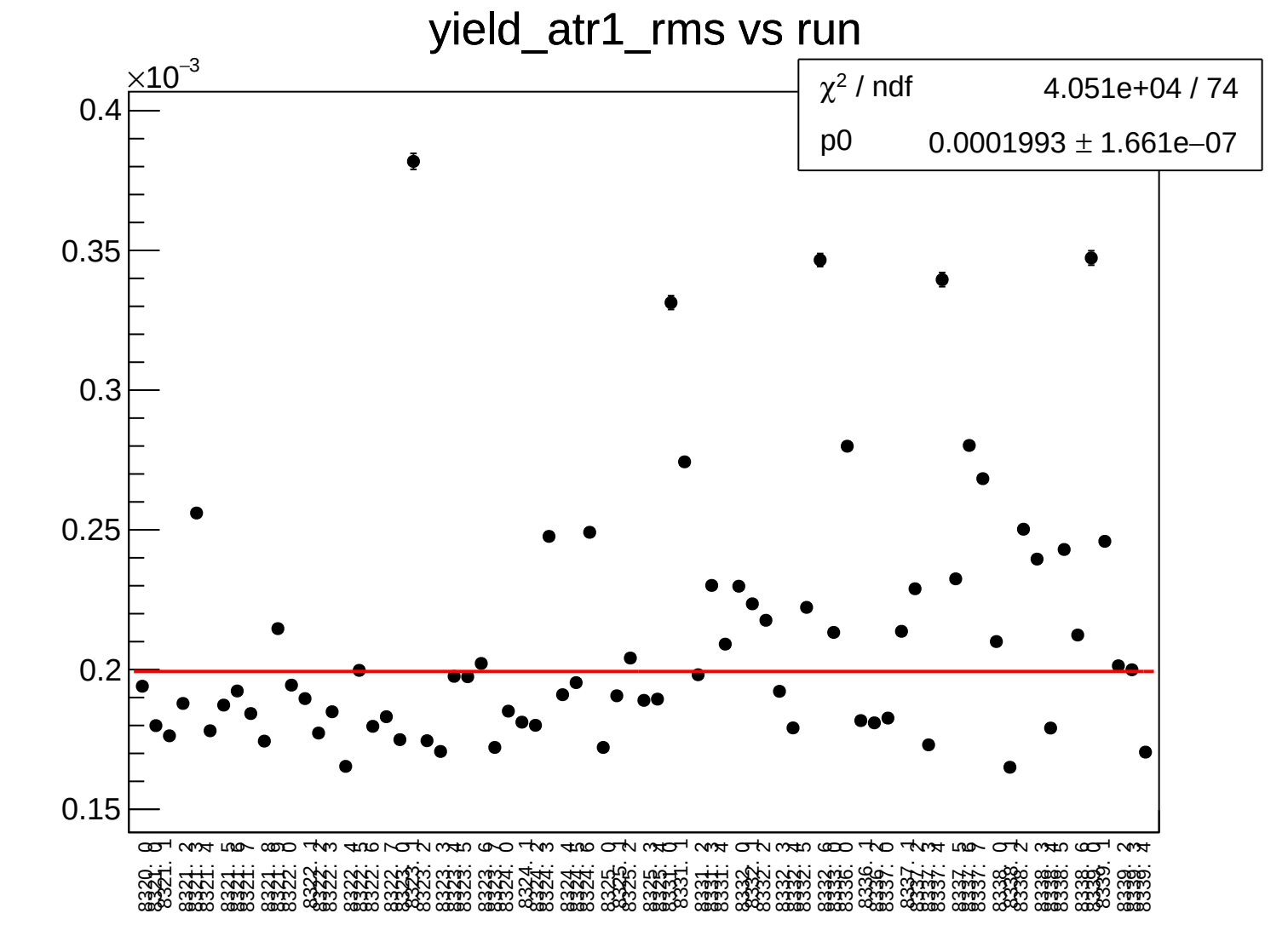

yield_atl2_mean vs run
χ² / ndf 1.518e+05 / 74
p0 0.03562 ± 8.125e−07
0.0364
0.0362
0.036
0.0358
0.0356
0.0354
0.0352
0.035
pull
Entries 75
Mean 370.3
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

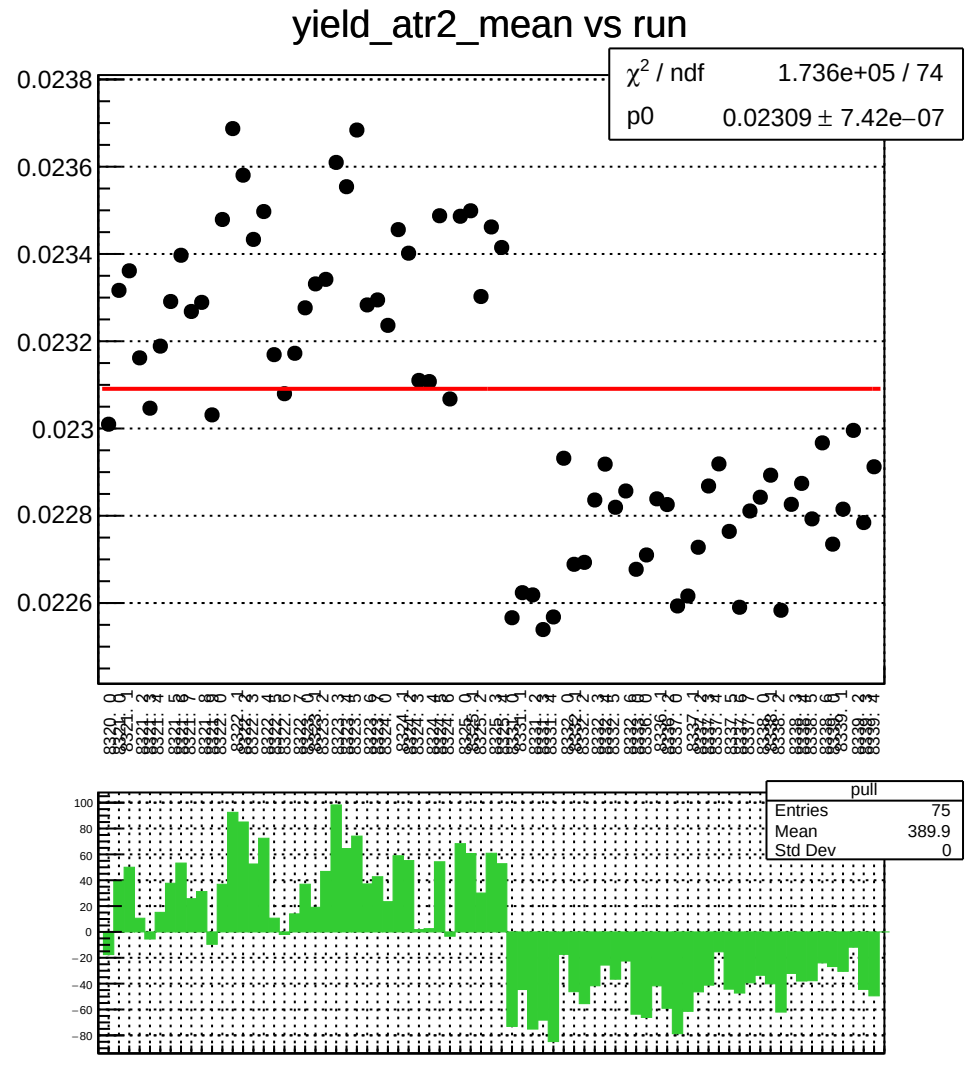

pull1D
Entries 75
Mean −3.204
Std Dev 2.974
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

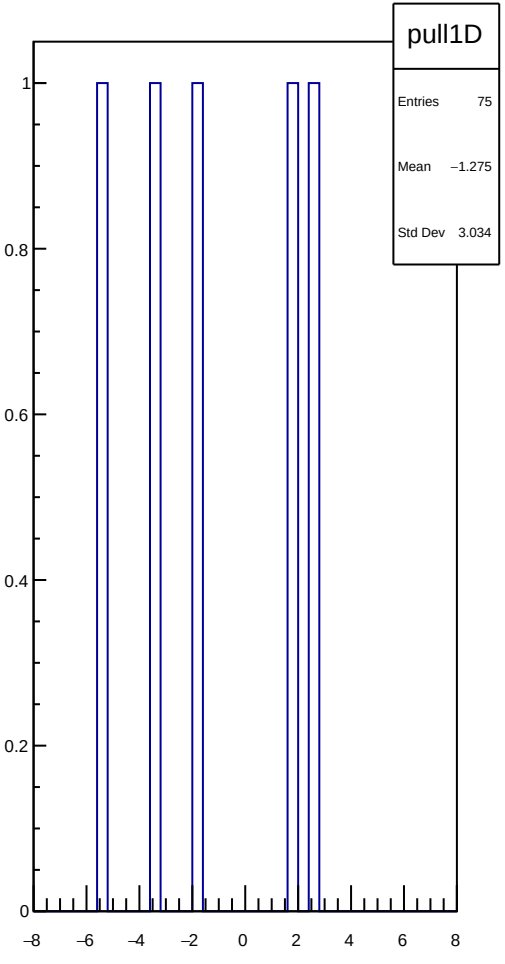

yield_atl2_rms vs run
χ² / ndf 6.18e+04 / 74
p0 0.0006842 ± 5.745e−07
0.0014
0.0012
0.001
0.0008
0.0006

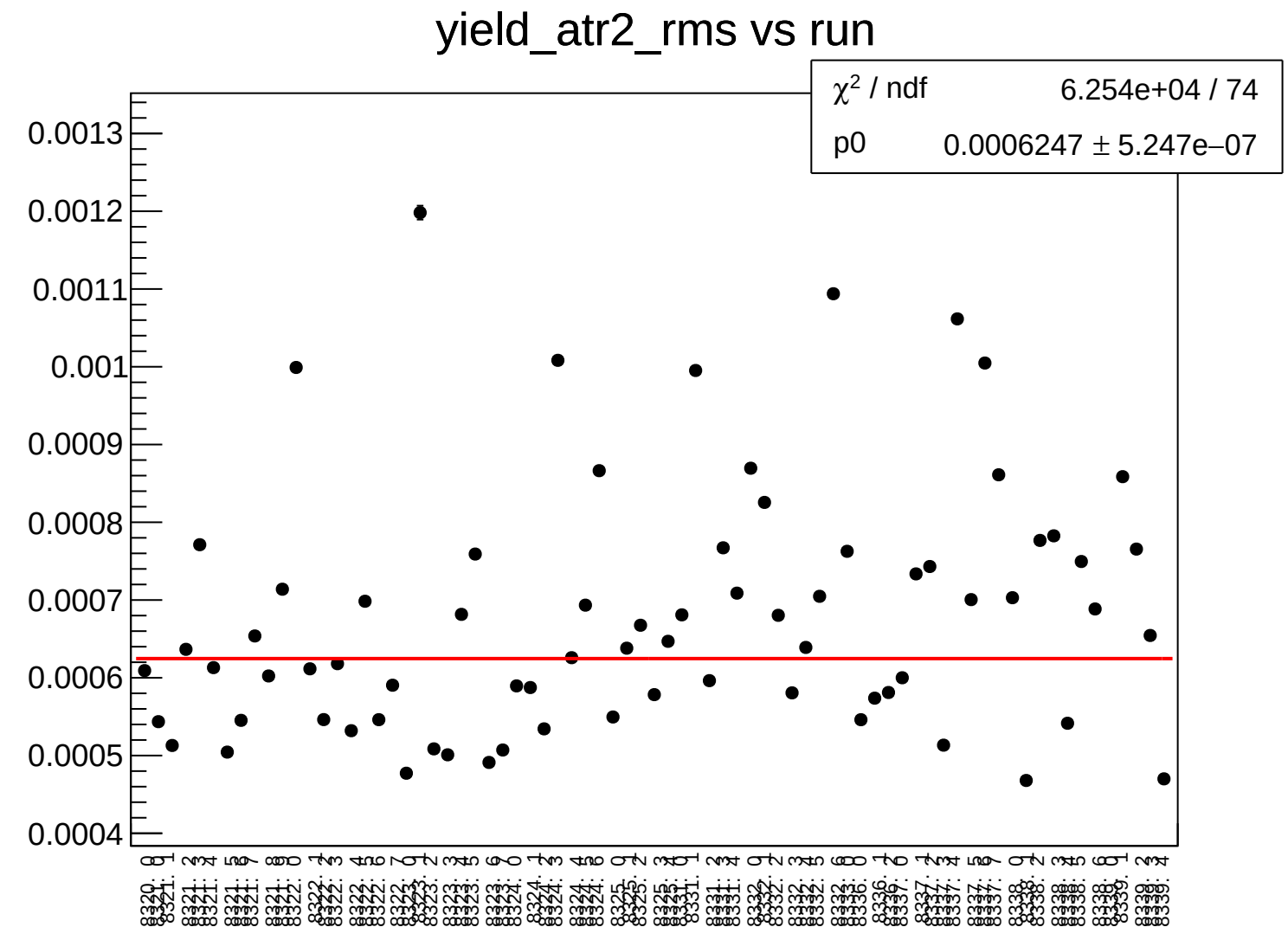

yield_atr1_mean vs run
χ² / ndf 1.717e+05 / 74
p0 0.04228 ± 2.349e−07
0.0425
0.0424
0.0423
0.0422
0.0421
pull
Entries 75
Mean 314.8
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

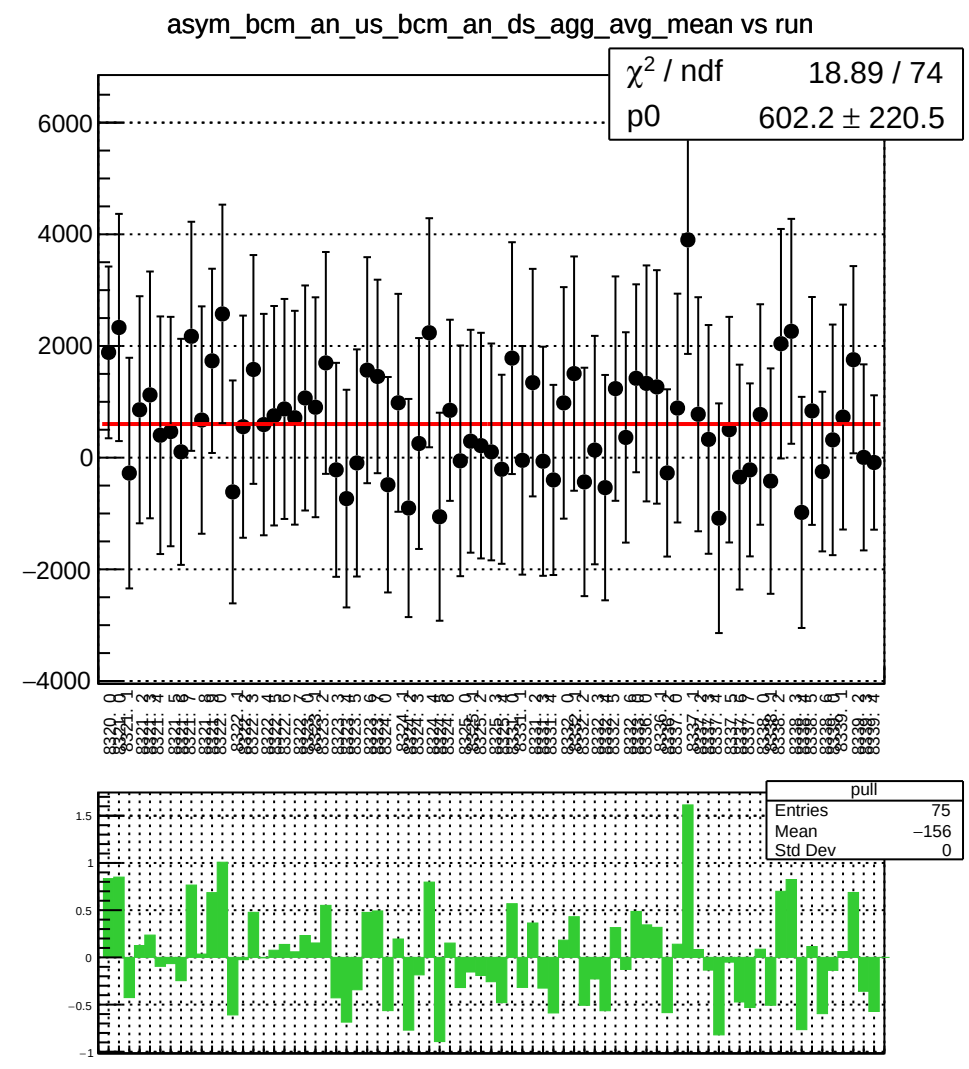

pull1D
Entries 75
Mean −0.6923
Std Dev 3.852
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

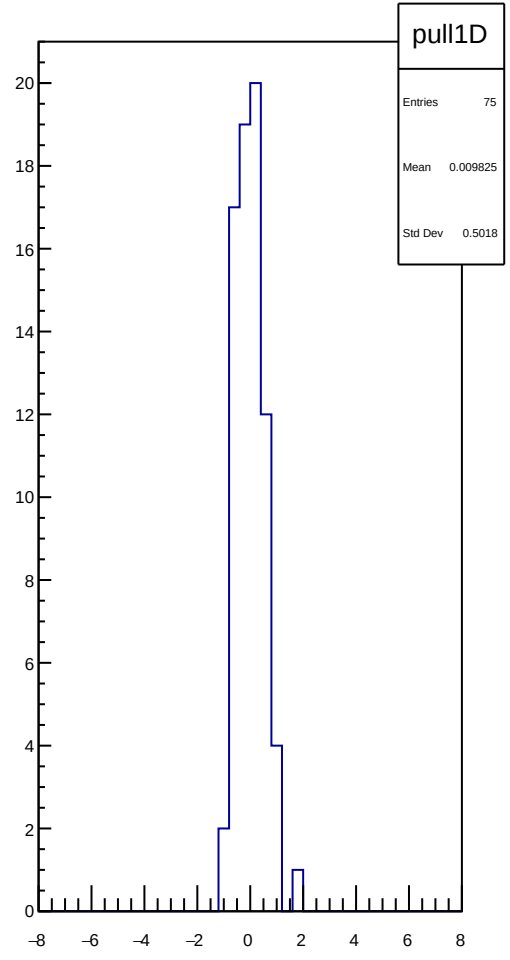

yield_atr1_rms vs run
×10⁻³
χ² / ndf 4.051e+04 / 74
p0 0.0001993 ± 1.661e−07
0.4
0.35
0.3
0.25
0.2
0.15

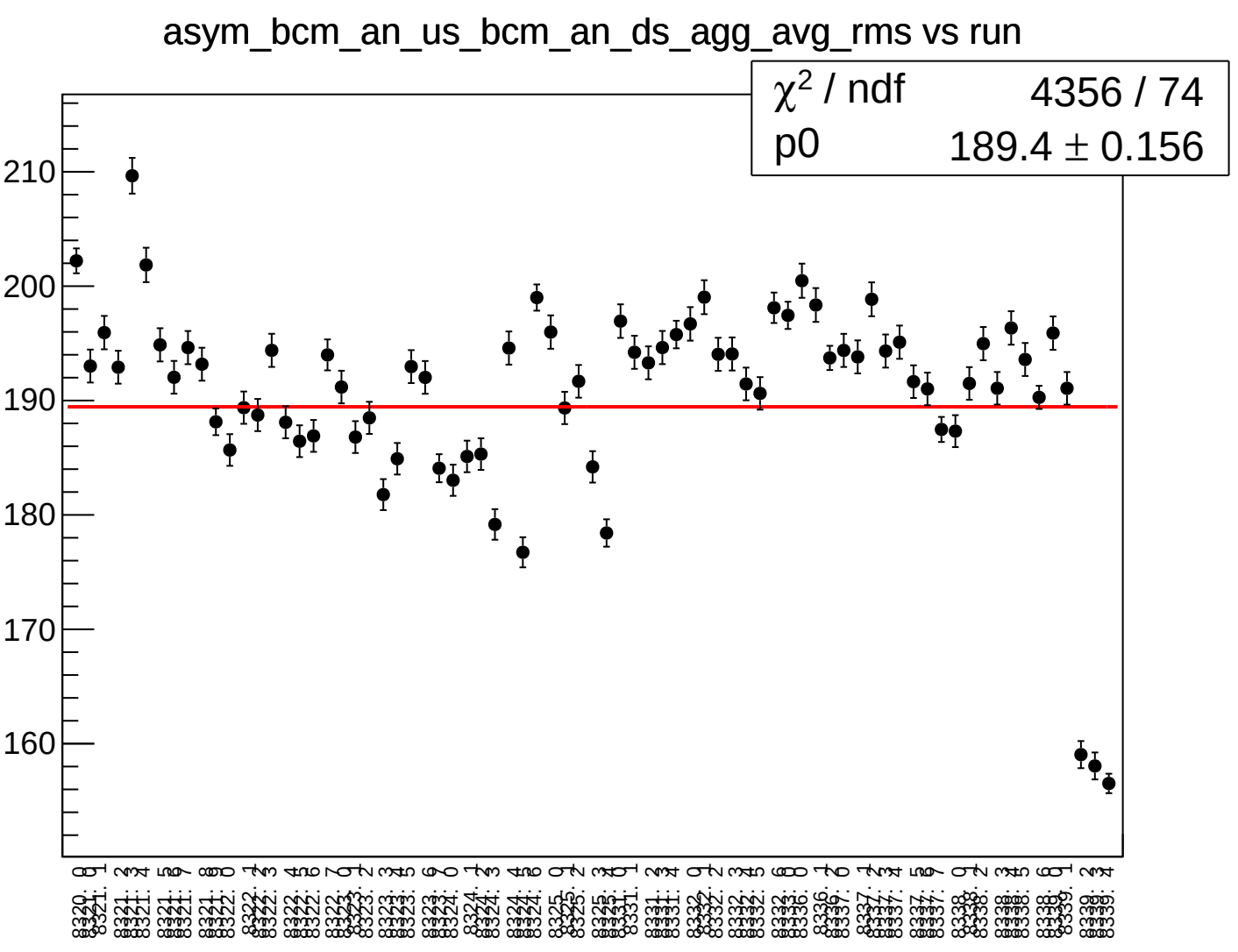

yield_atr2_mean vs run
χ² / ndf 1.736e+05 / 74
p0 0.02309 ± 7.42e−07
0.0238
0.0236
0.0234
0.0232
0.023
0.0228
0.0226
pull
Entries 75
Mean 389.9
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

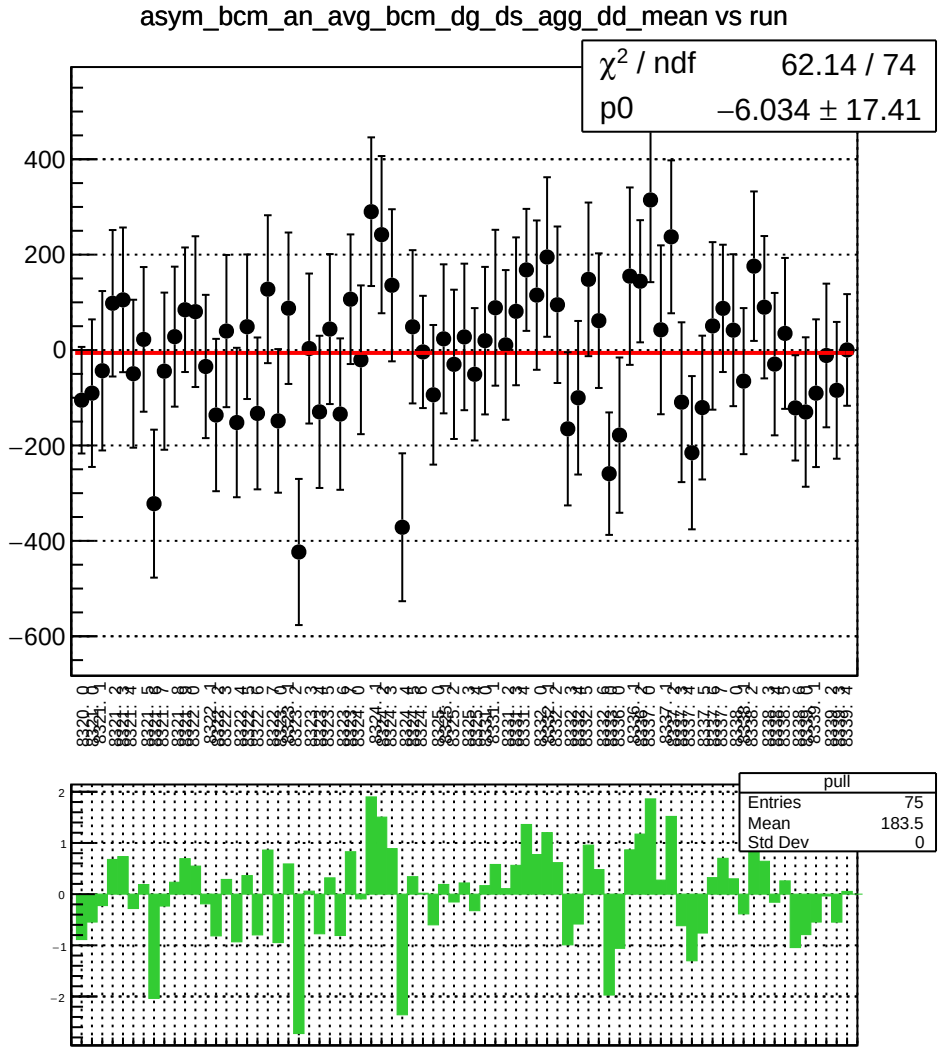

pull1D
Entries 75
Mean −1.275
Std Dev 3.034
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

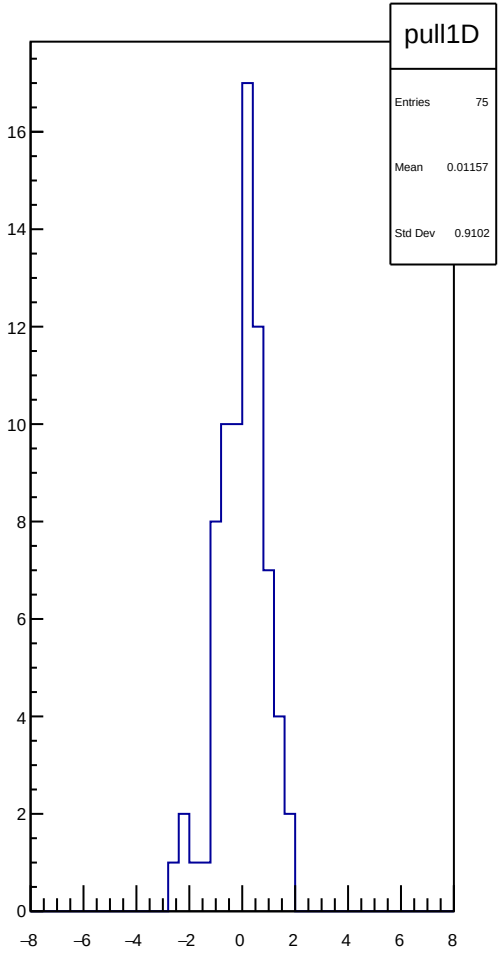

yield_atr2_rms vs run
χ² / ndf 6.254e+04 / 74
p0 0.0006247 ± 5.247e−07
0.0013
0.0012
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004

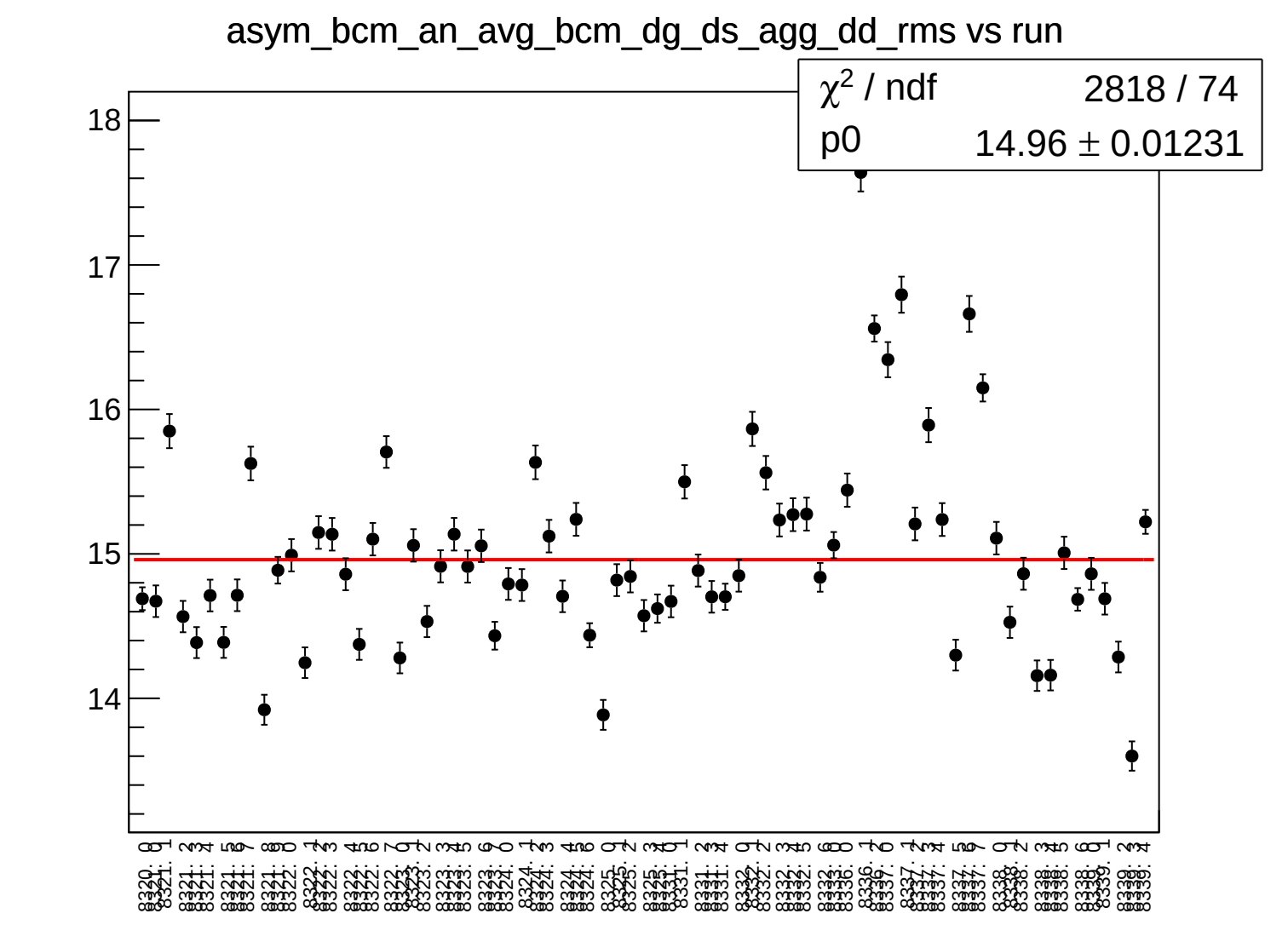

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.89 / 74
p0 602.2 ± 220.5
pull
Entries 75
Mean −156
Std Dev 0

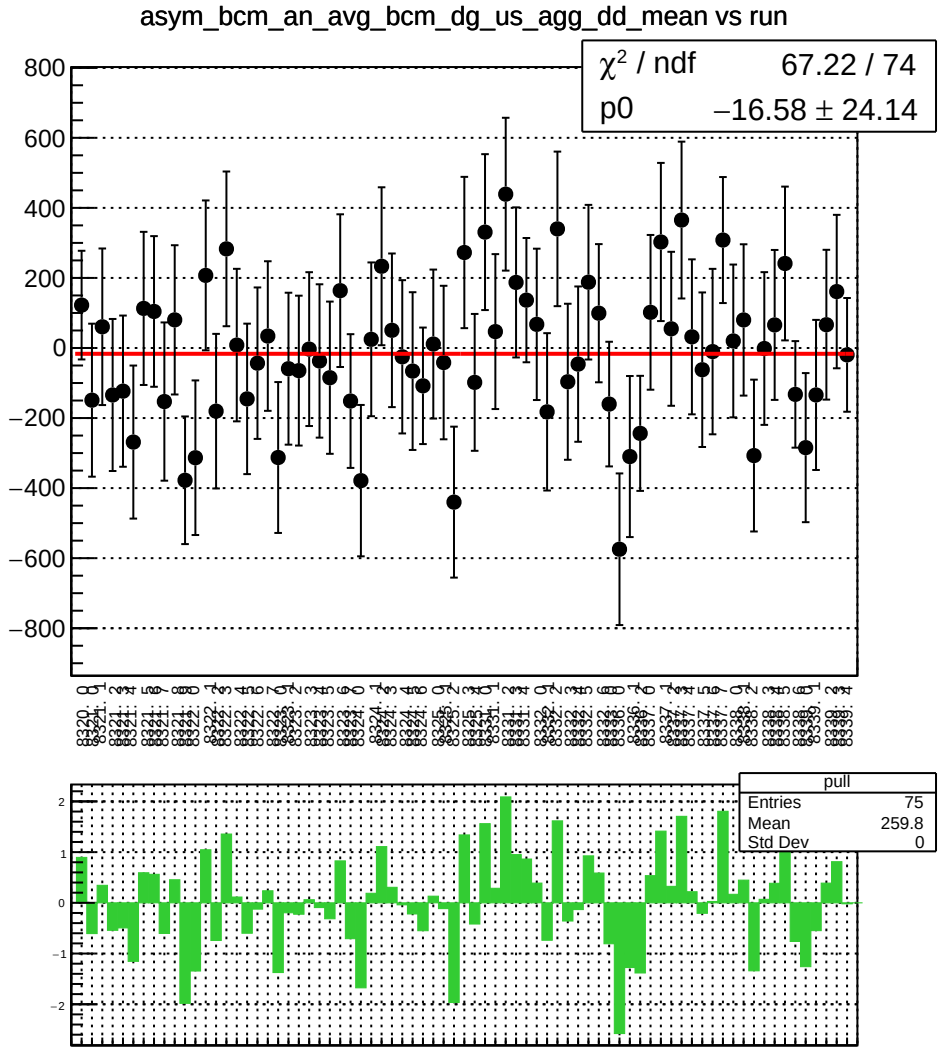

pull1D
Entries 75
Mean 0.009825
Std Dev 0.5018

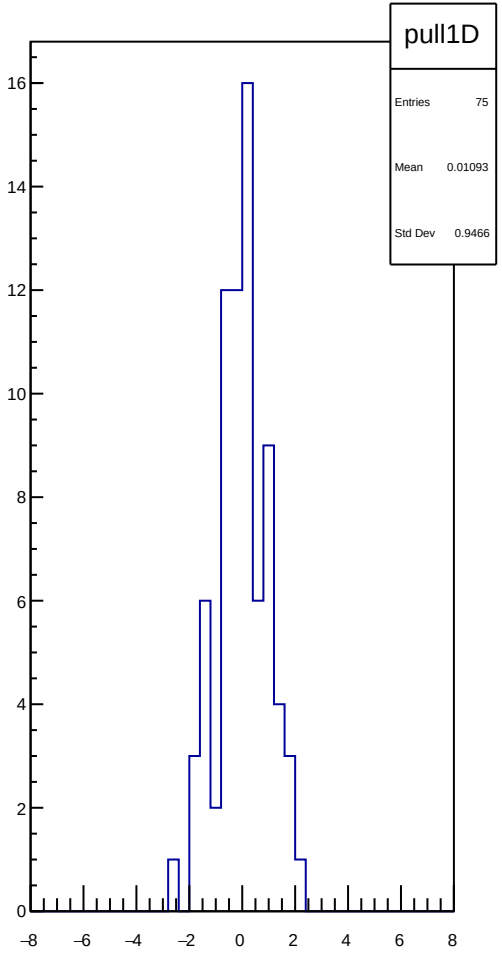

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4356 / 74
p0 189.4 ± 0.156
210
200
190
180
170
160

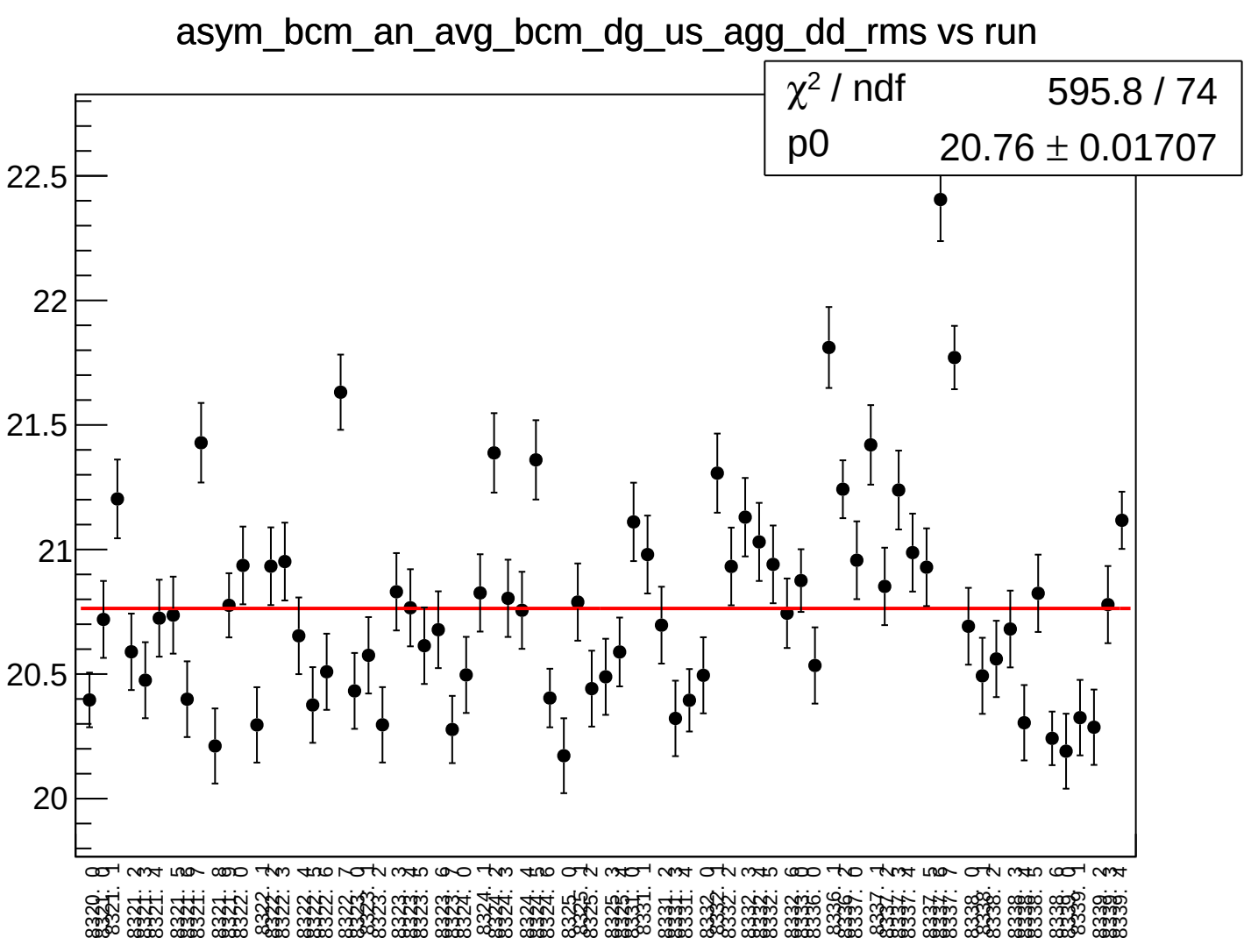

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 62.14 / 74
p0 −6.034 ± 17.41
pull
Entries 75
Mean 183.5
Std Dev 0

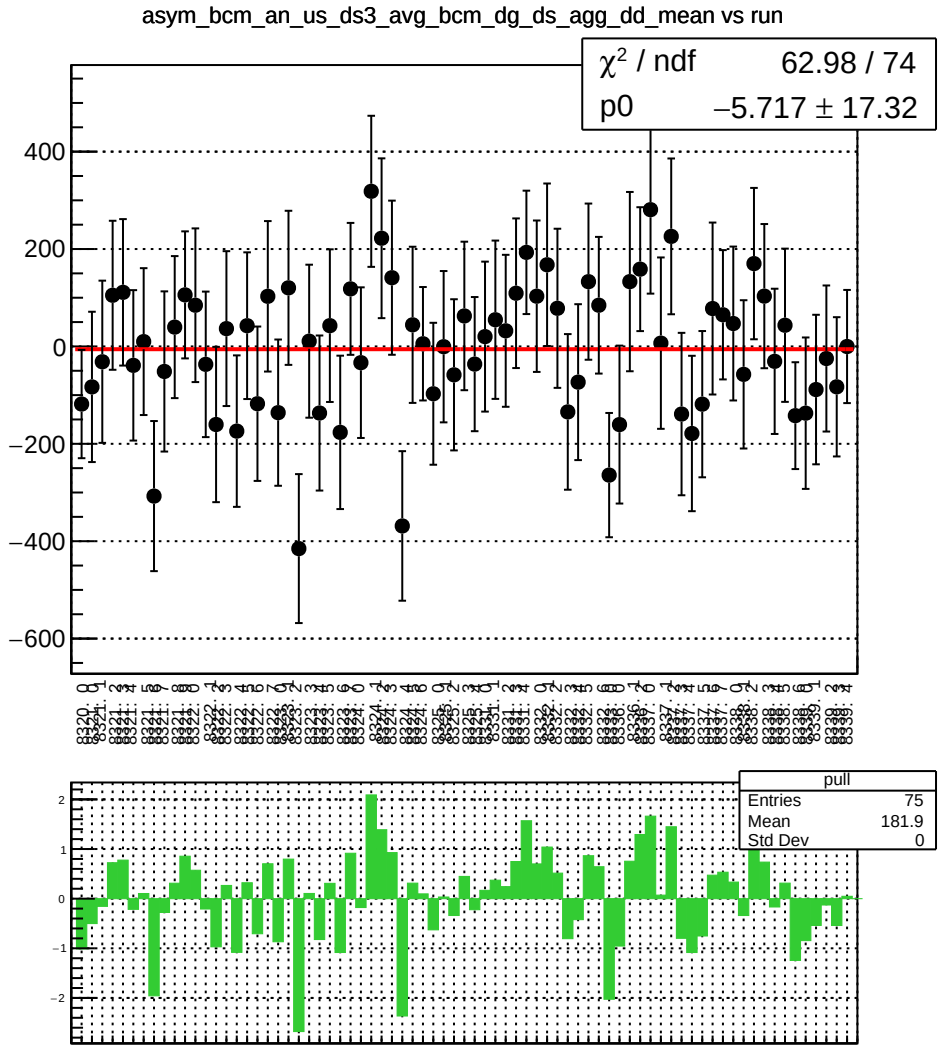

pull1D
Entries 75
Mean 0.01157
Std Dev 0.9102

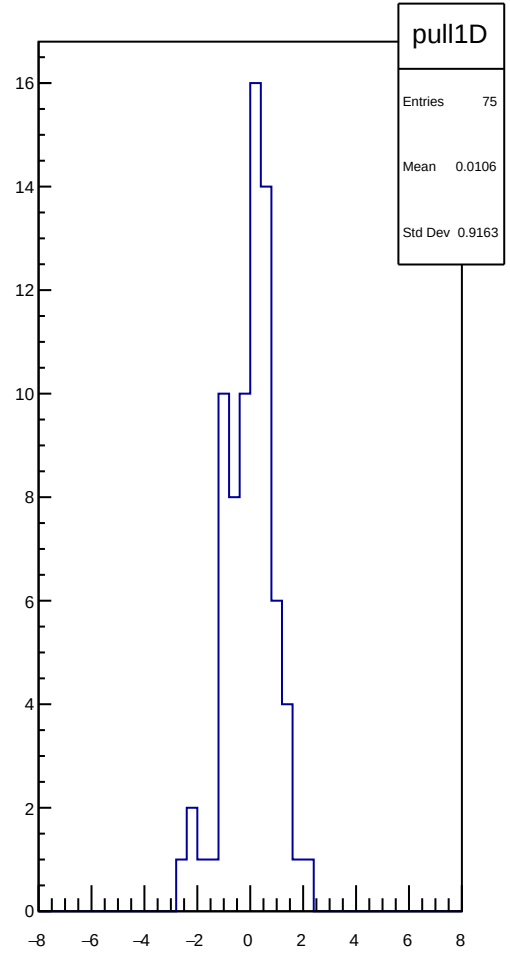

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2818 / 74
p0 14.96 ± 0.01231
18
17
16
15
14

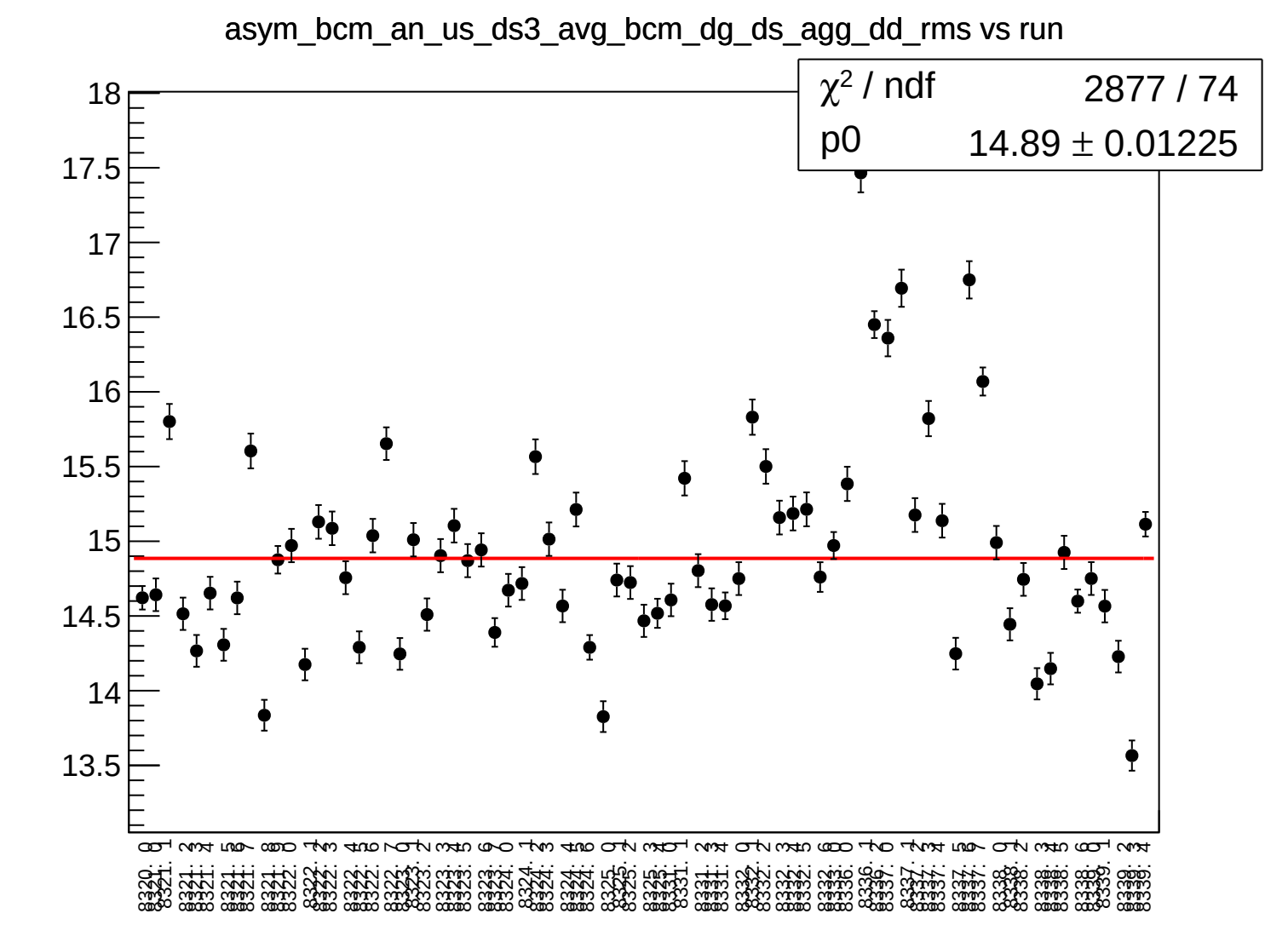

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 67.22 / 74
p0 −16.58 ± 24.14
pull
Entries 75
Mean 259.8
Std Dev 0

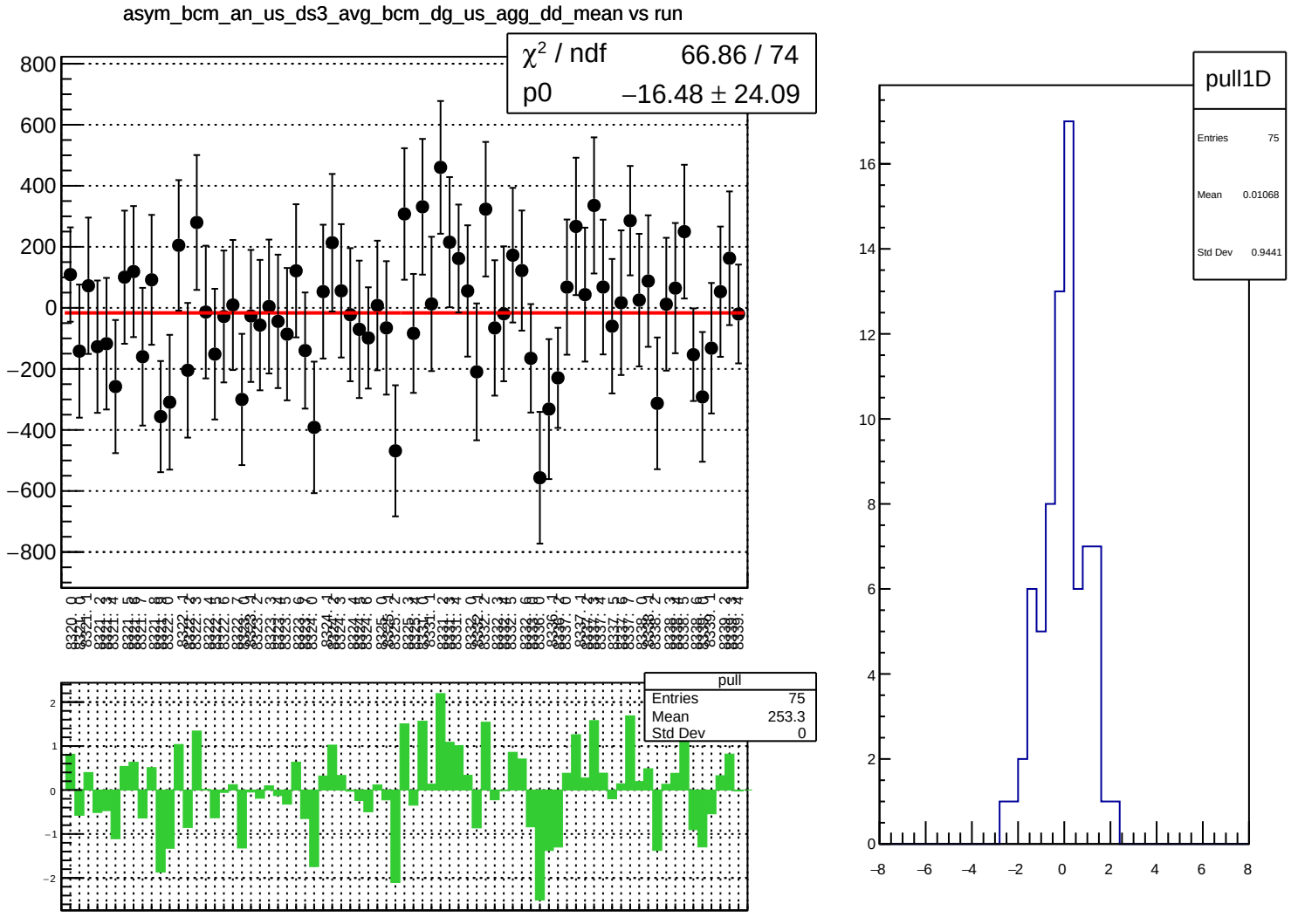

pull1D
Entries 75
Mean 0.01093
Std Dev 0.9466

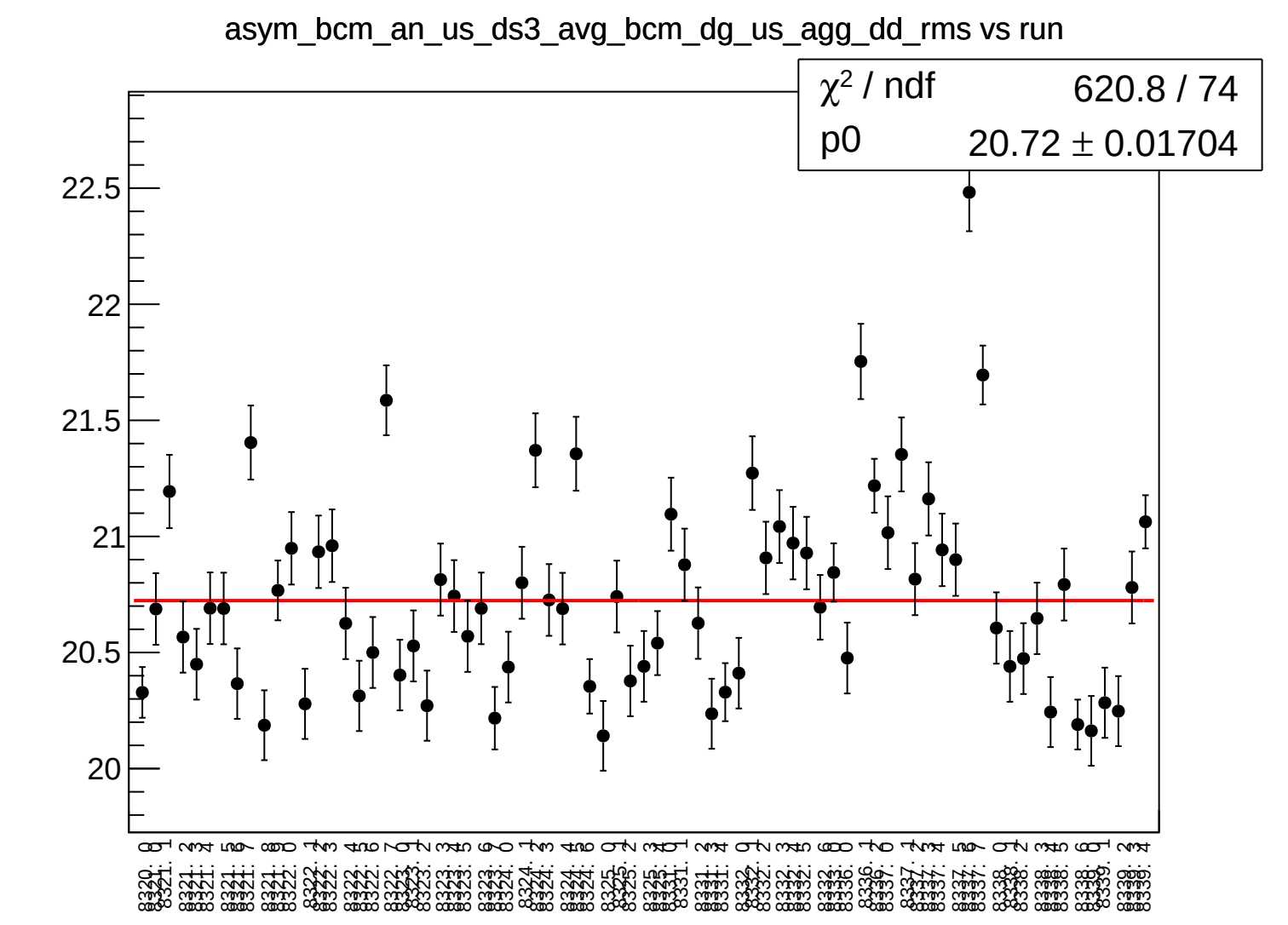

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 595.8 / 74
p0 20.76 ± 0.01707
22.5
22
21.5
21
20.5
20

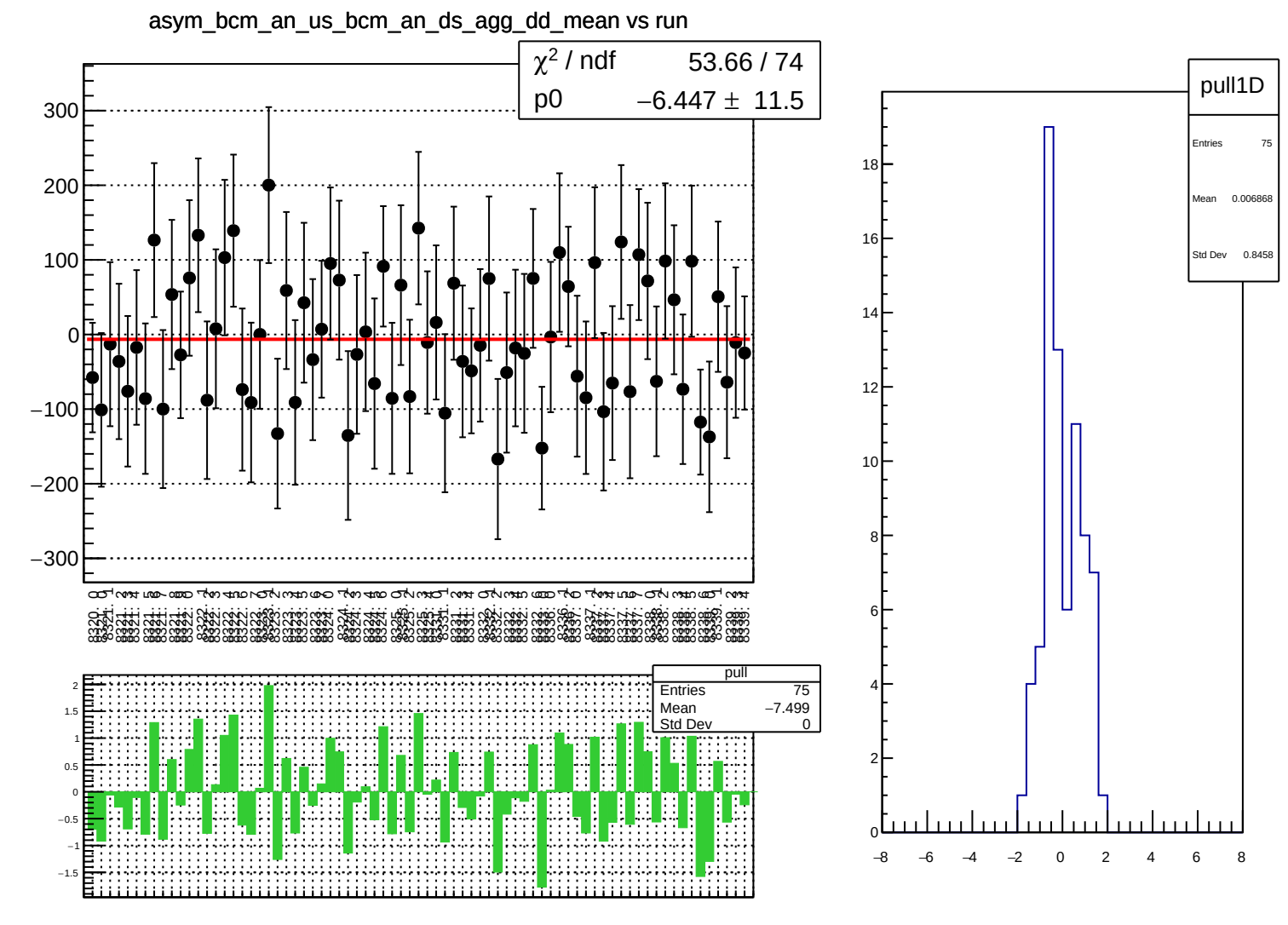

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 62.98 / 74
p0 −5.717 ± 17.32
pull
Entries 75
Mean 181.9
Std Dev 0

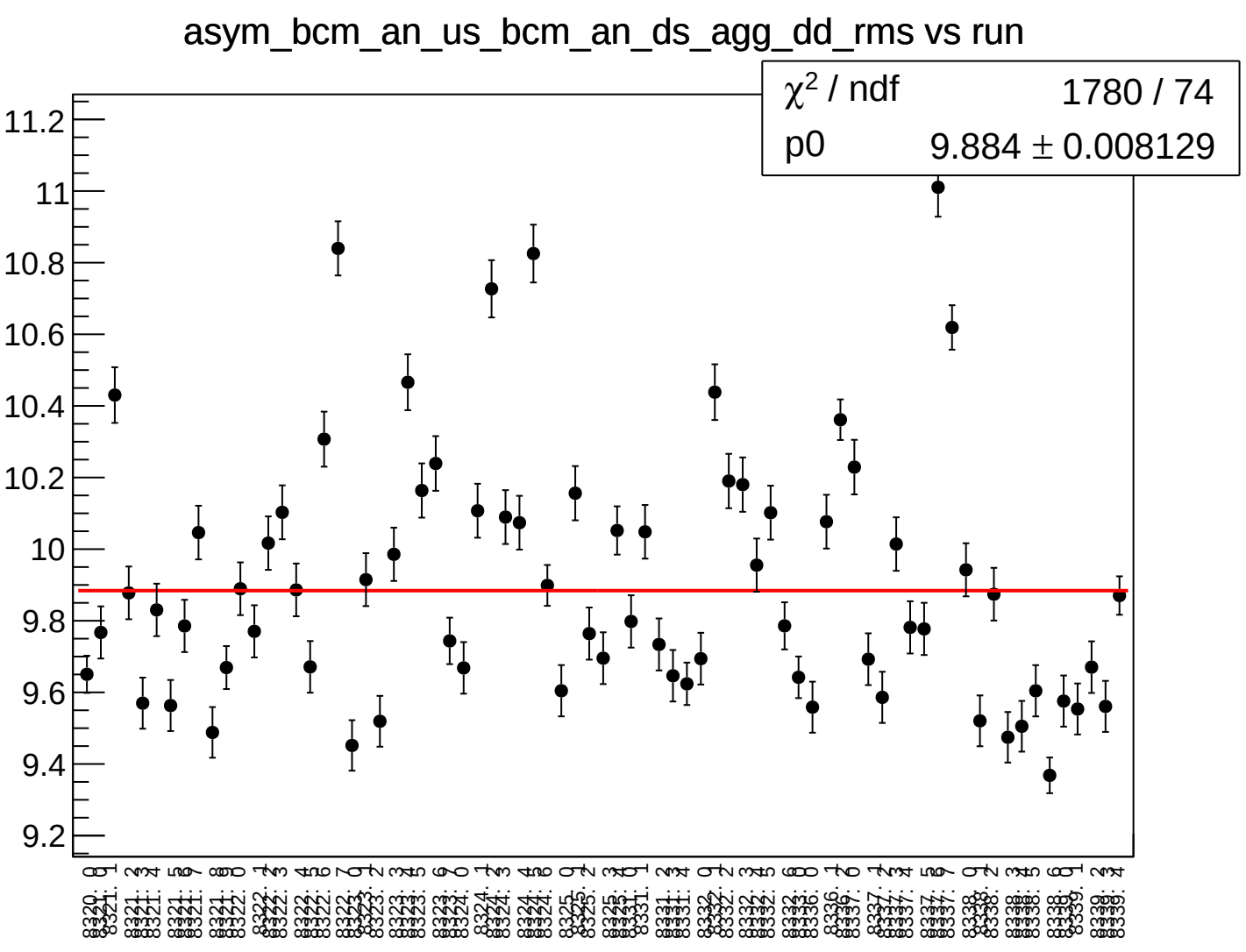

pull1D
Entries 75
Mean 0.0106
Std Dev 0.9163

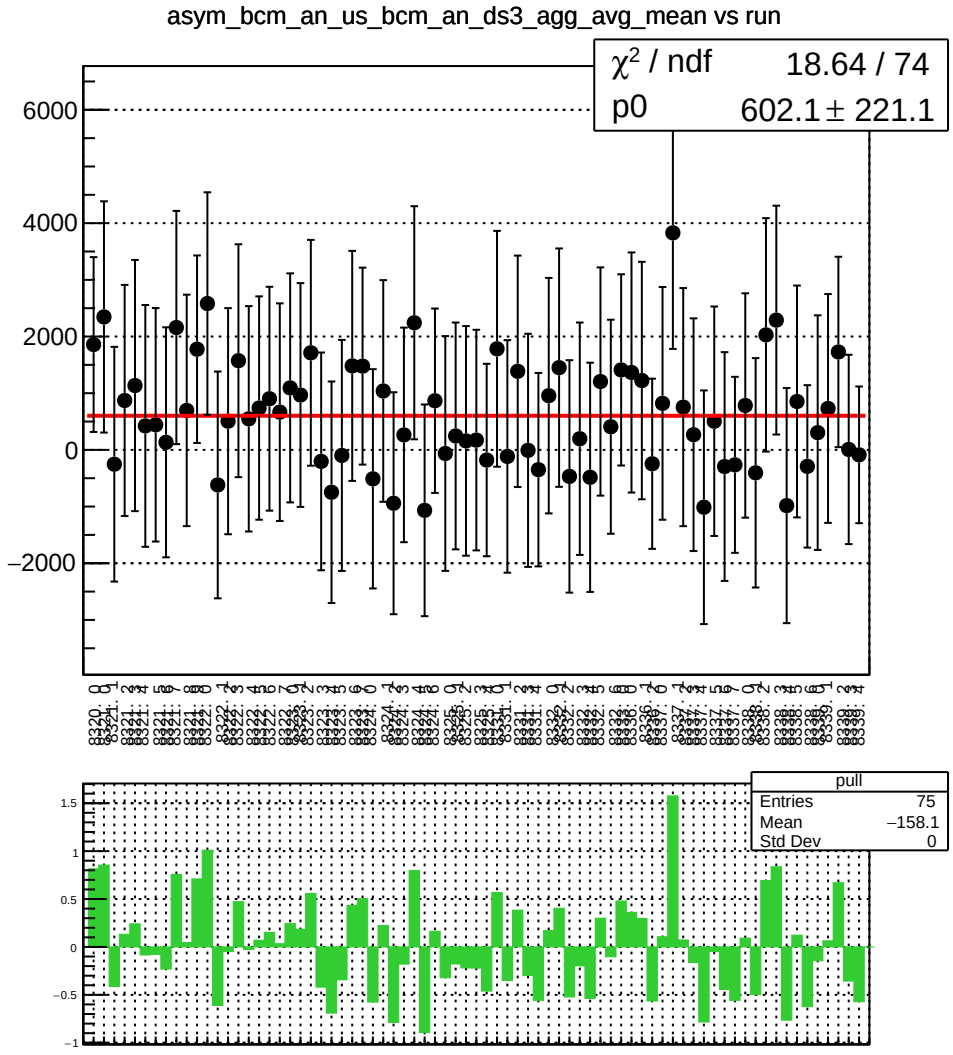

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2877 / 74
p0 14.89 ± 0.01225
18
17.5
17
16.5
16
15.5
15
14.5
14
13.5

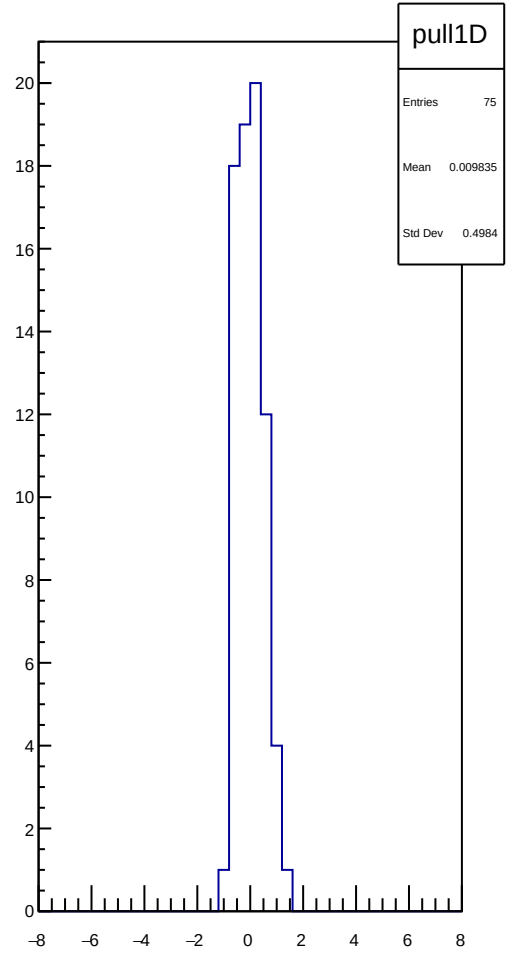

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 66.86 / 74
p0 −16.48 ± 24.09
pull
Entries 75
Mean 253.3
Std Dev 0
pull1D
Entries 75
Mean 0.01068
Std Dev 0.9441

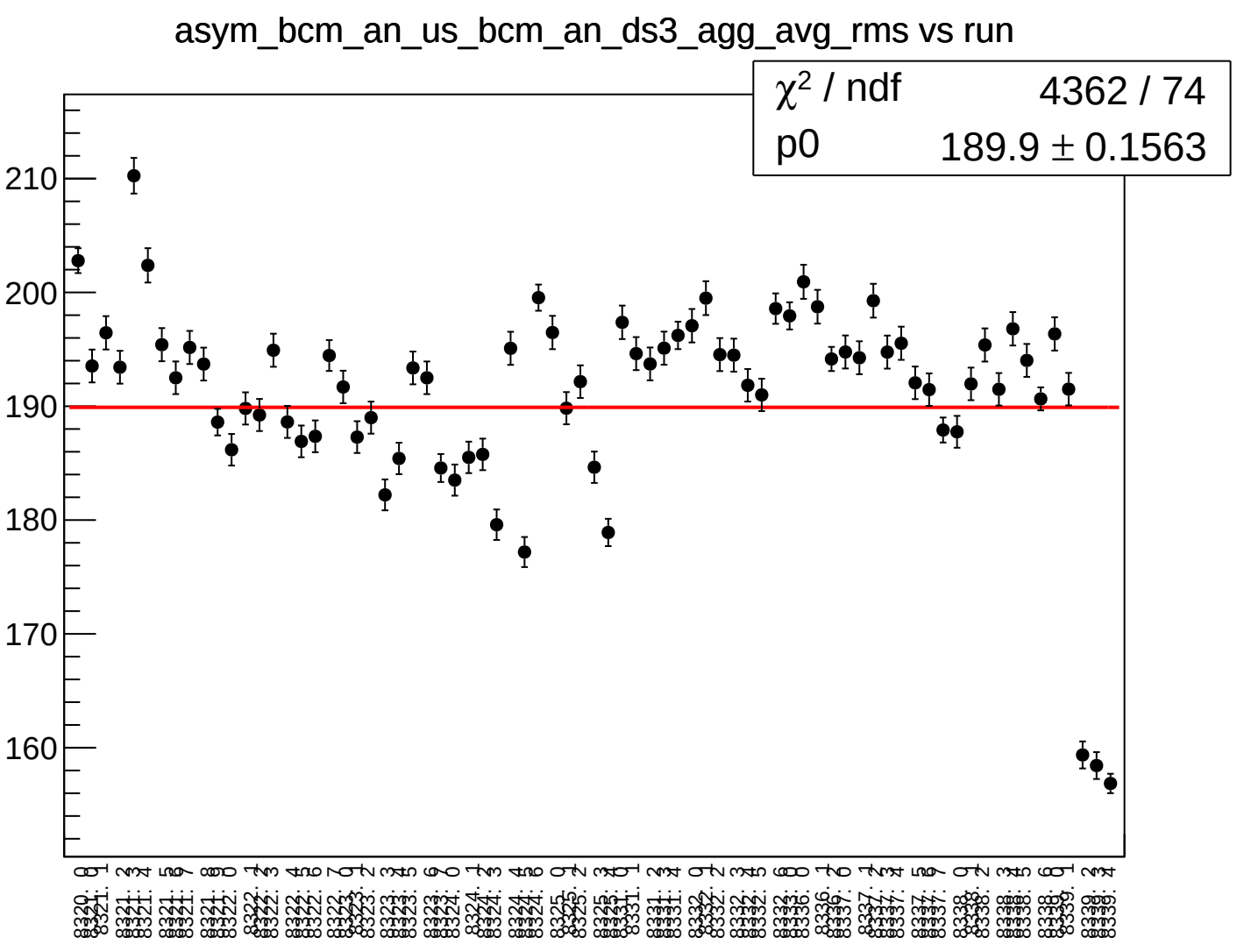

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 620.8 / 74
p0 20.72 ± 0.01704
22.5
22
21.5
21
20.5
20

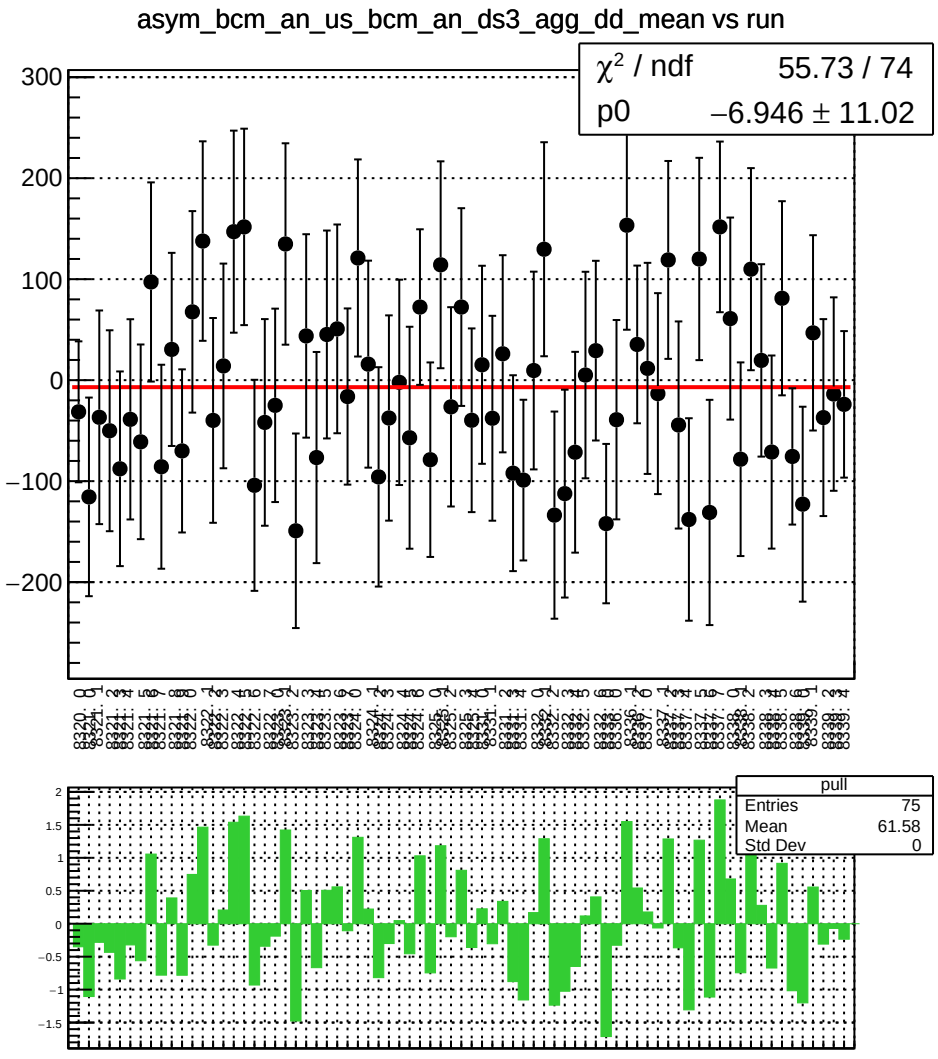

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 53.66 / 74
p0 −6.447 ± 11.5
pull
Entries 75
Mean −7.499
Std Dev 0
pull1D
Entries 75
Mean 0.006868
Std Dev 0.8458

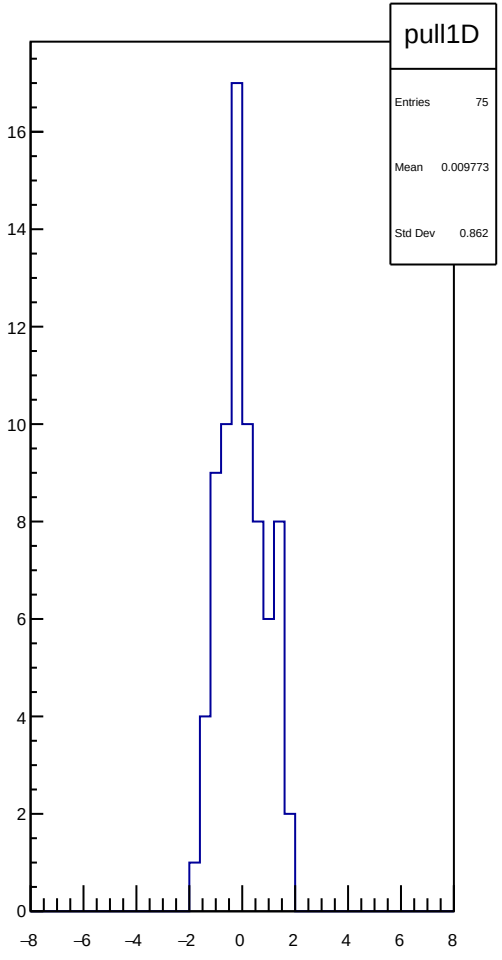

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1780 / 74
p0 9.884 ± 0.008129
11.2
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2

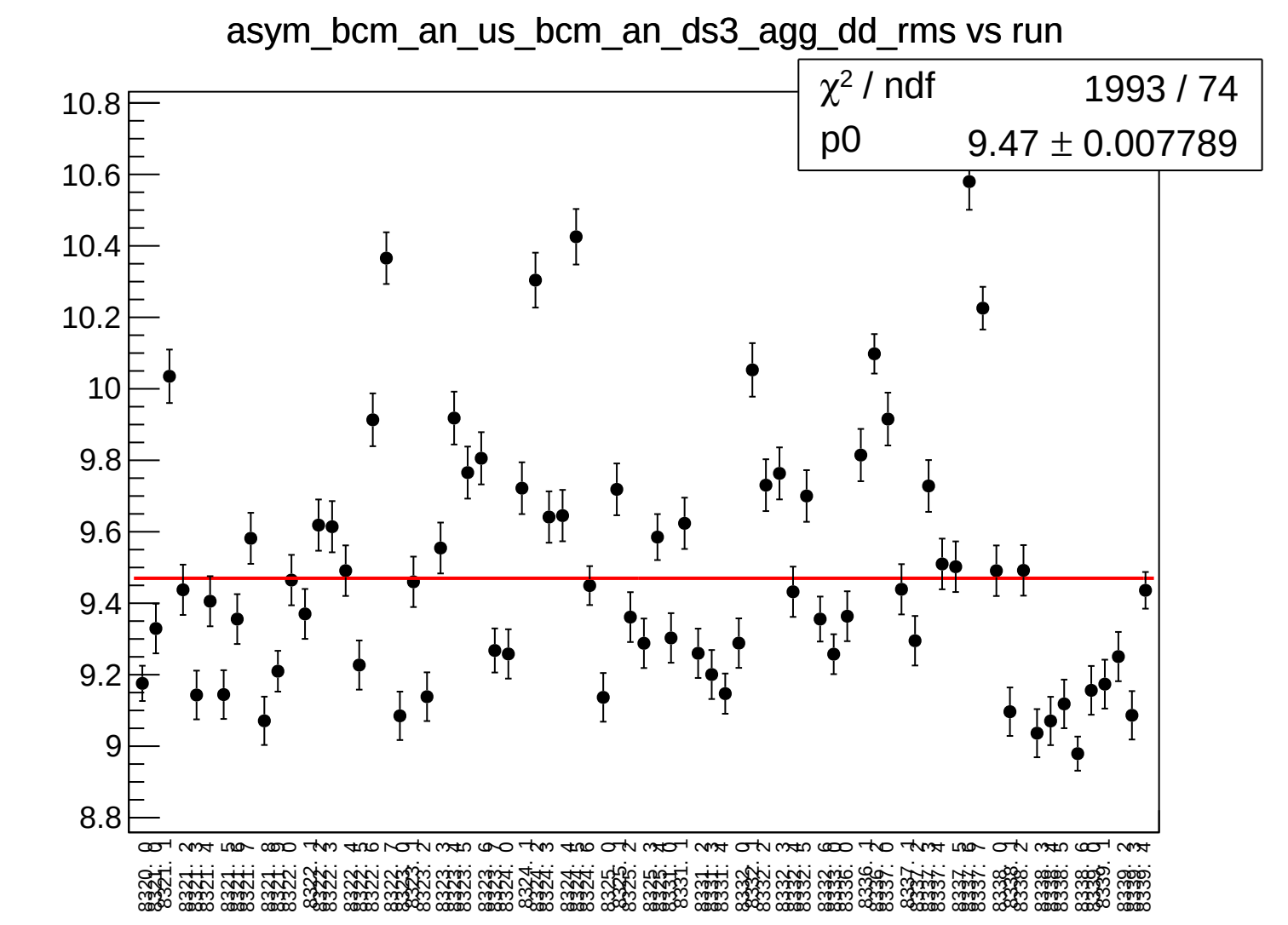

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 18.64 / 74
p0 602.1 ± 221.1
6000
4000
2000
0
−2000
pull
Entries 75
Mean −158.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

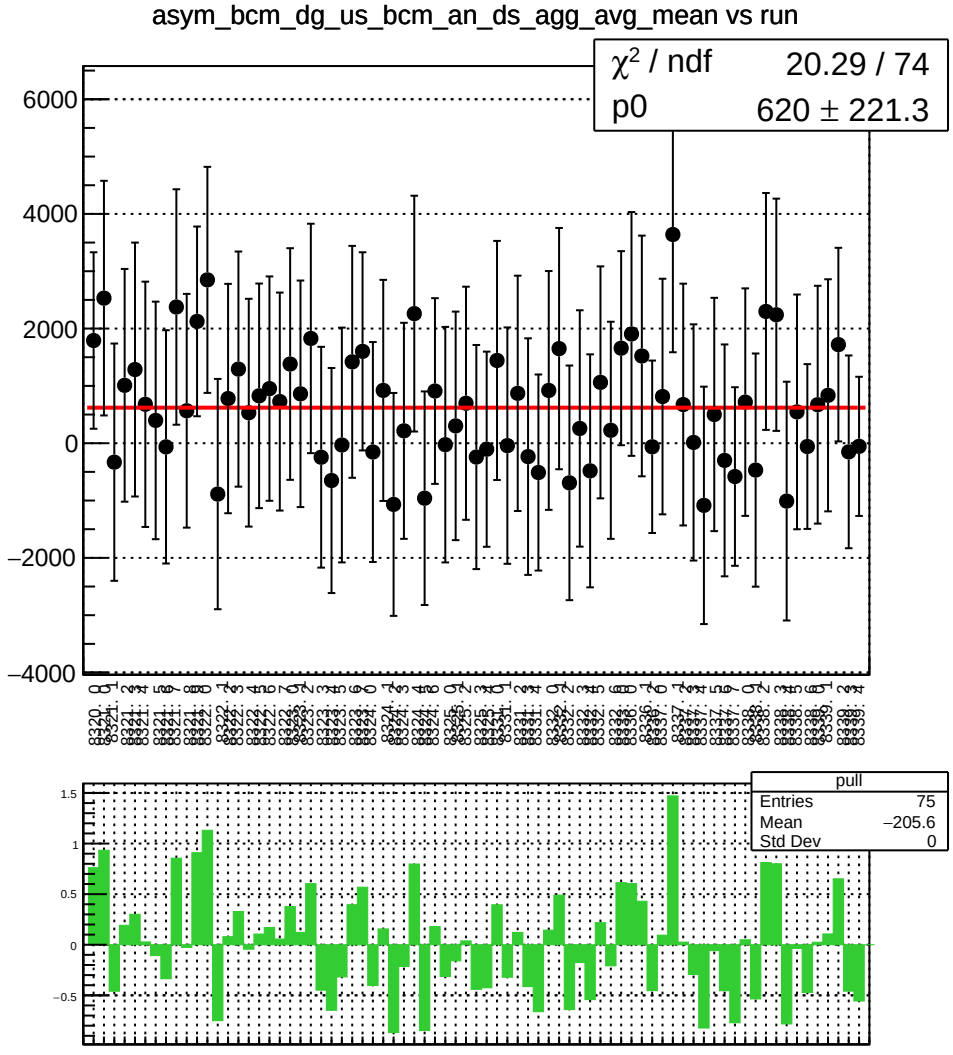

pull1D
Entries 75
Mean 0.009835
Std Dev 0.4984
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

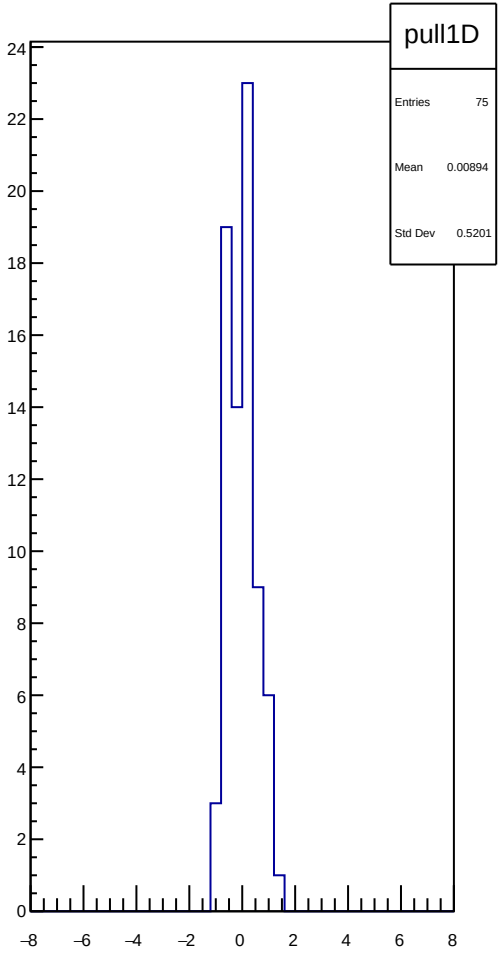

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 4362 / 74
p0 189.9 ± 0.1563
210
200
190
180
170
160

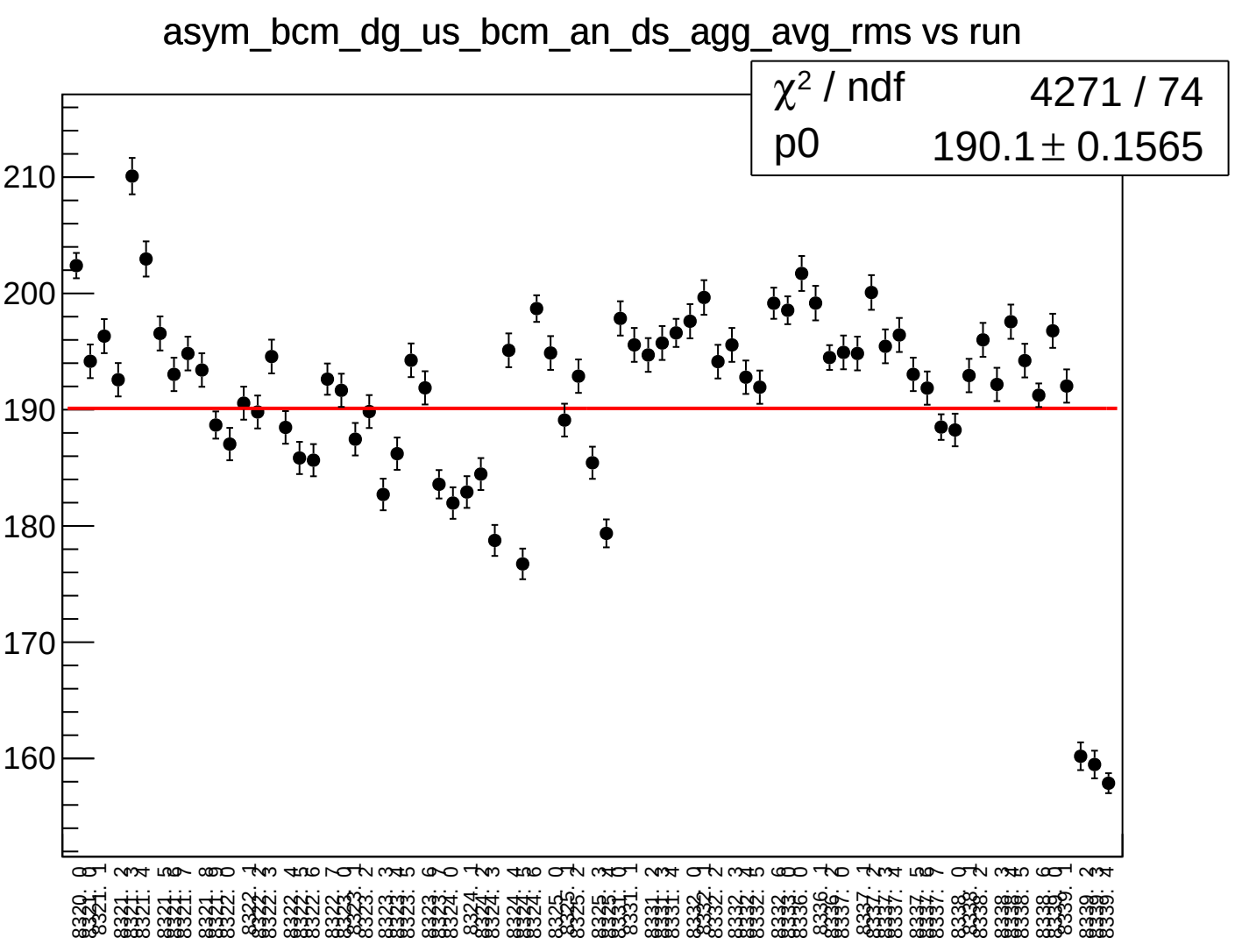

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 55.73 / 74
p0 −6.946 ± 11.02
pull
Entries 75
Mean 61.58
Std Dev 0

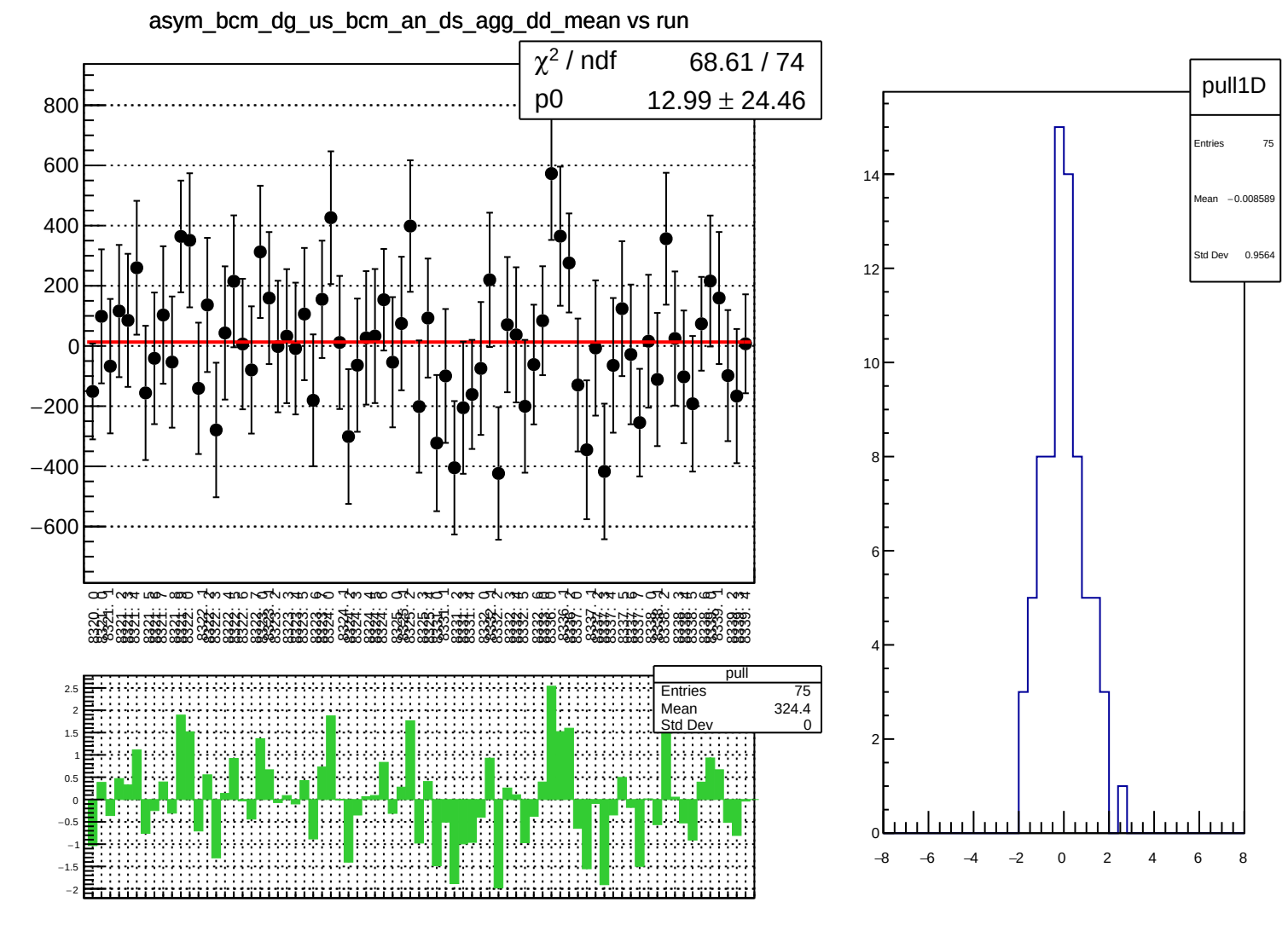

pull1D
Entries 75
Mean 0.009773
Std Dev 0.862

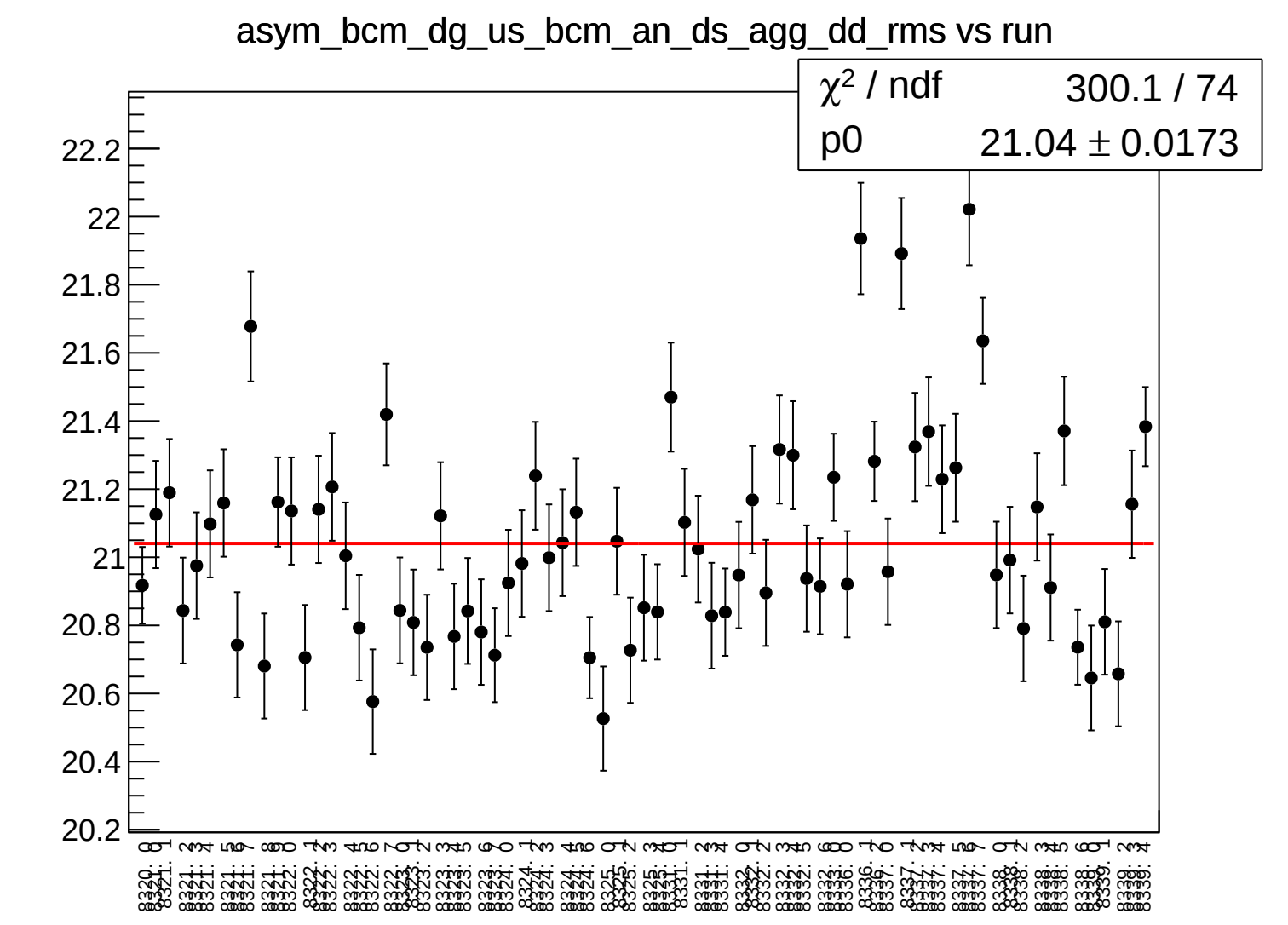

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1993 / 74
p0 9.47 ± 0.007789
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
9
8.8

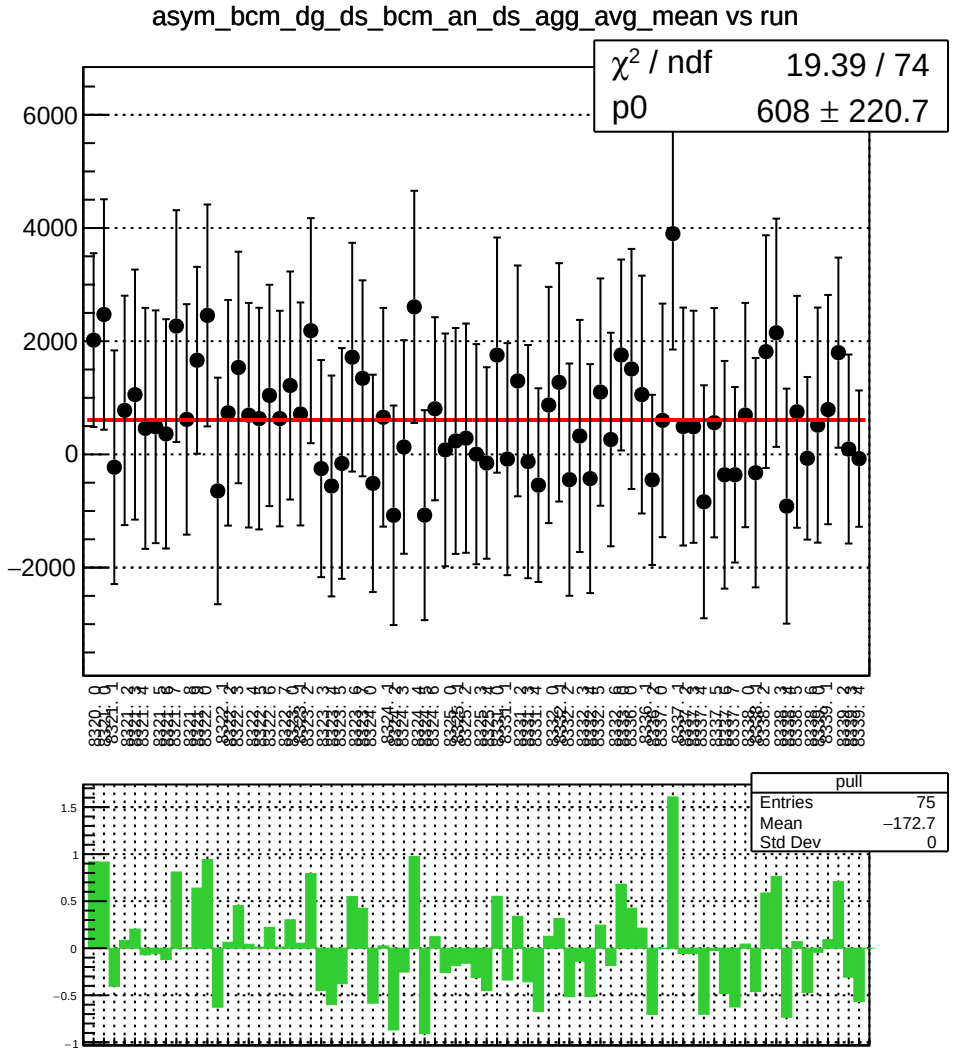

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.29 / 74
p0 620 ± 221.3
pull
Entries 75
Mean −205.6
Std Dev 0

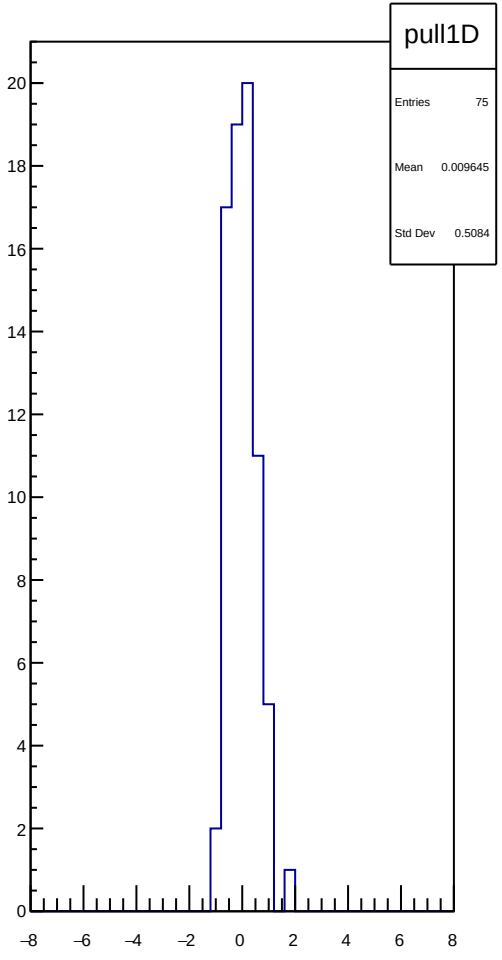

pull1D
Entries 75
Mean 0.00894
Std Dev 0.5201

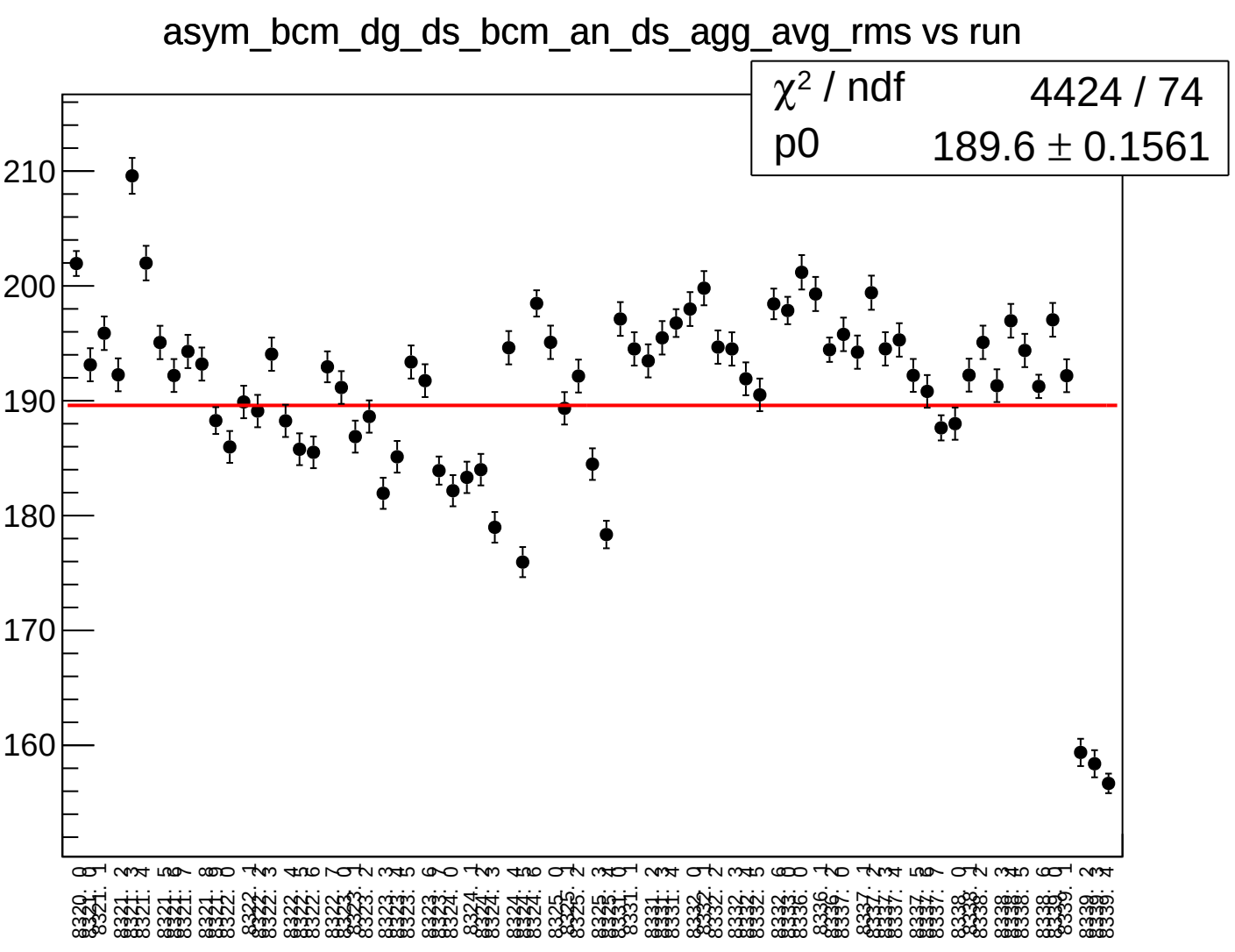

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4271 / 74
p0 190.1 ± 0.1565
210
200
190
180
170
160

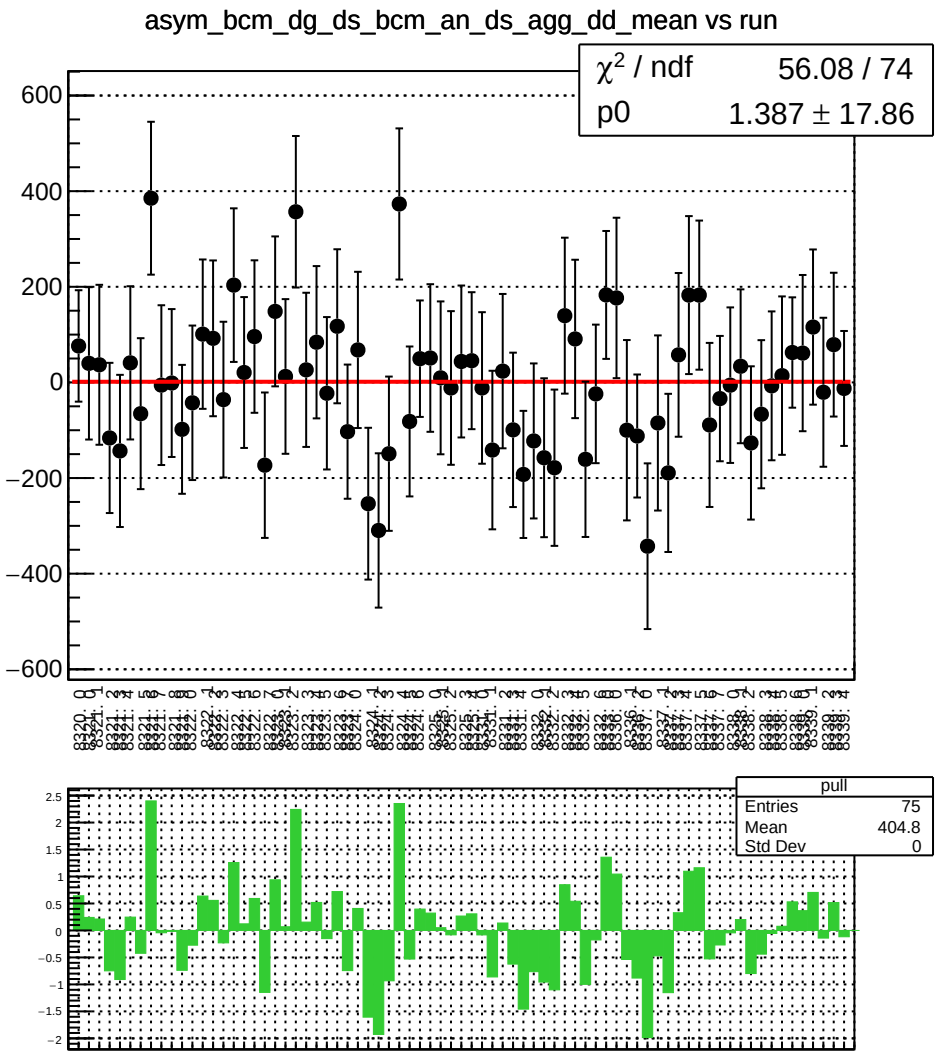

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 68.61 / 74
p0 12.99 ± 24.46
pull
Entries 75
Mean 324.4
Std Dev 0
pull1D
Entries 75
Mean −0.008589
Std Dev 0.9564

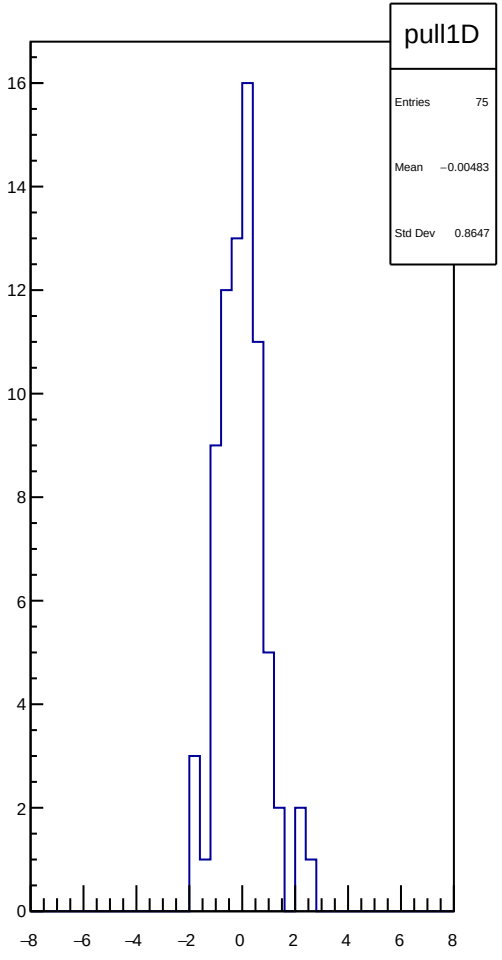

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 300.1 / 74
p0 21.04 ± 0.0173
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2

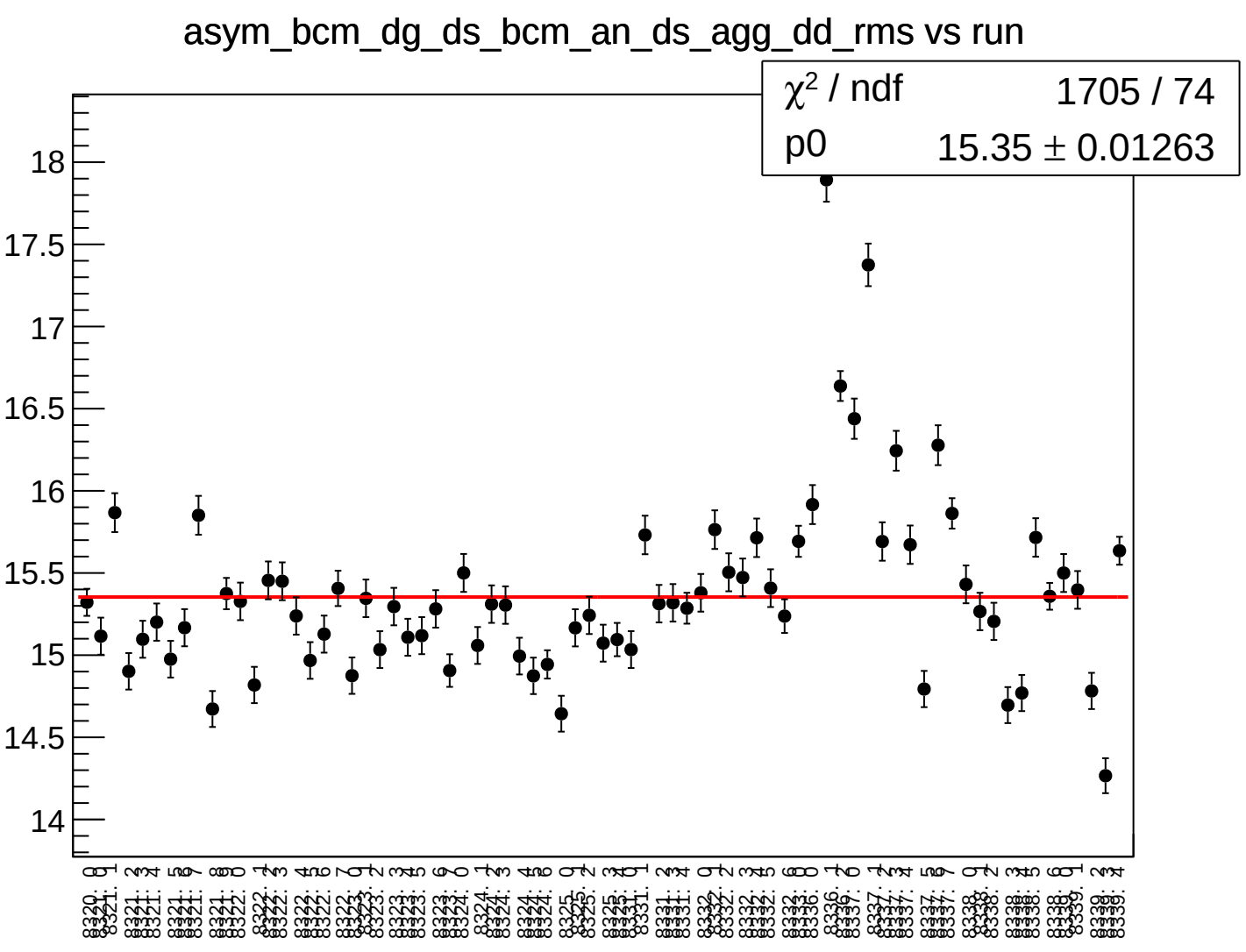

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 19.39 / 74
p0 608 ± 220.7
6000
4000
2000
0
−2000
pull
Entries 75
Mean −172.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

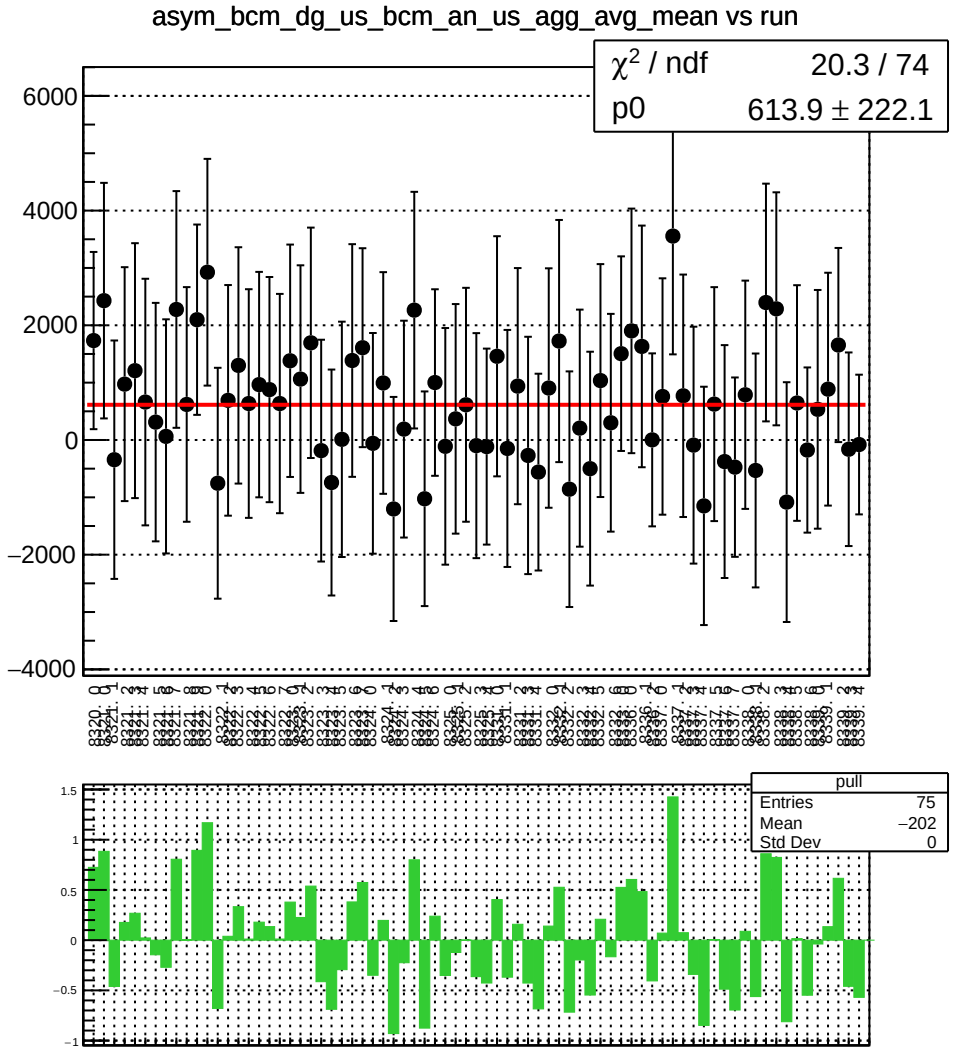

pull1D
Entries 75
Mean 0.009645
Std Dev 0.5084
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

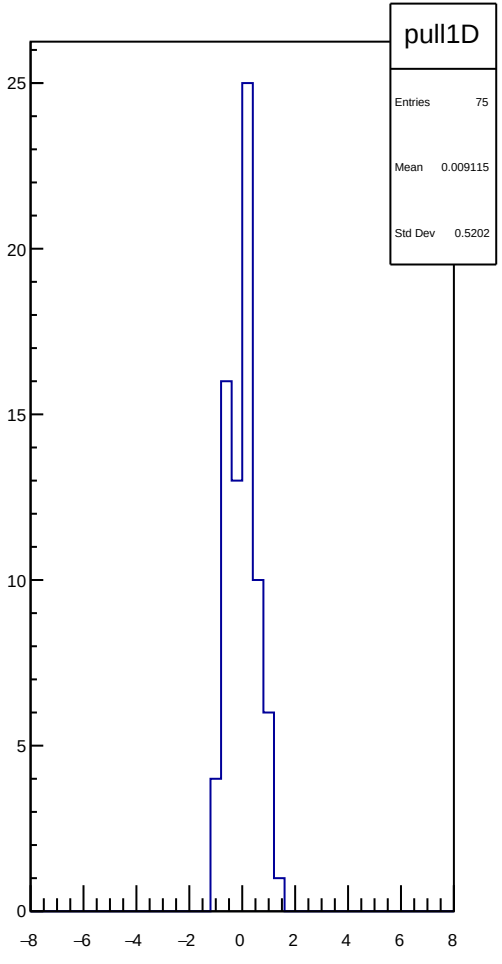

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4424 / 74
p0 189.6 ± 0.1561
210
200
190
180
170
160

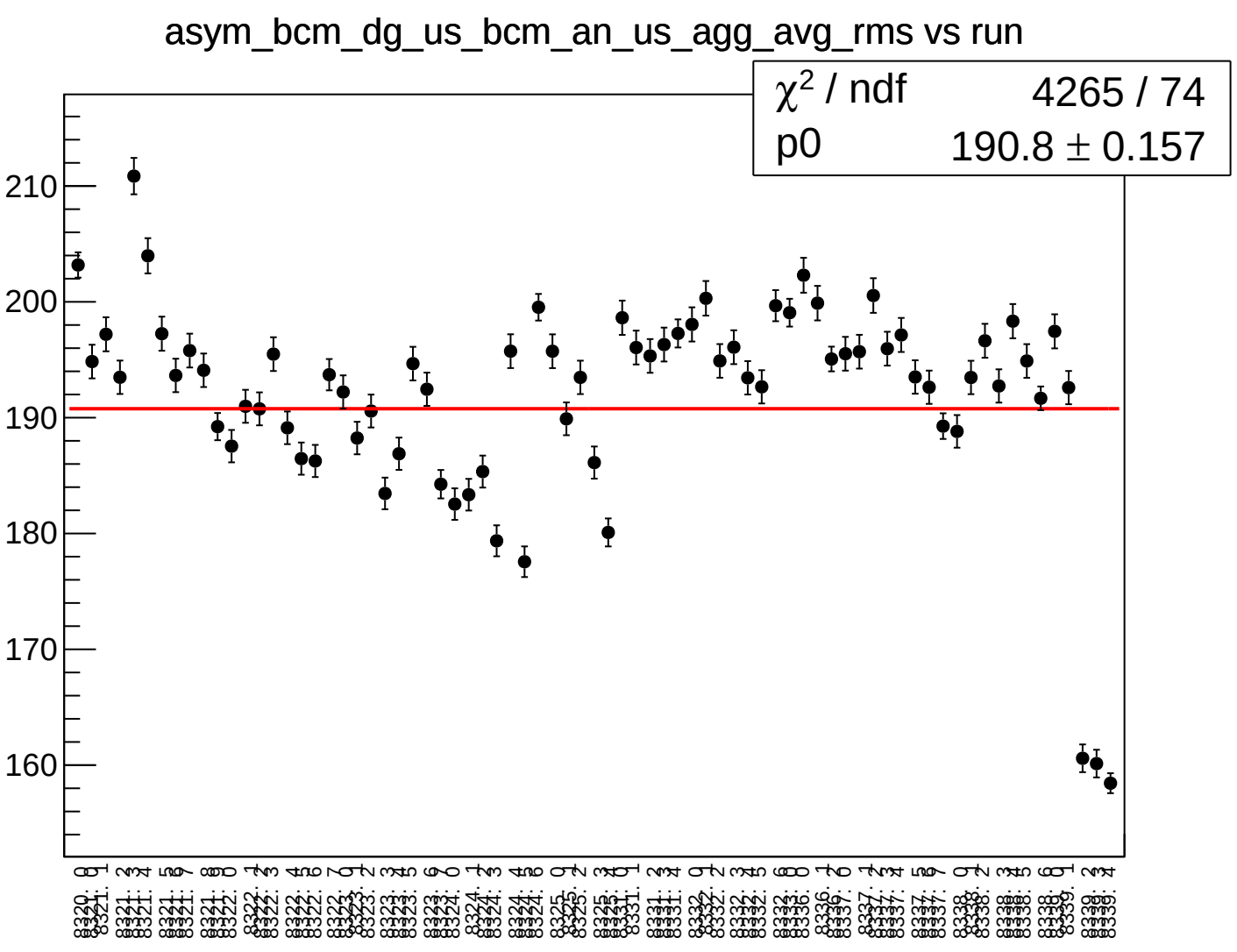

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 56.08 / 74
p0 1.387 ± 17.86
pull
Entries 75
Mean 404.8
Std Dev 0

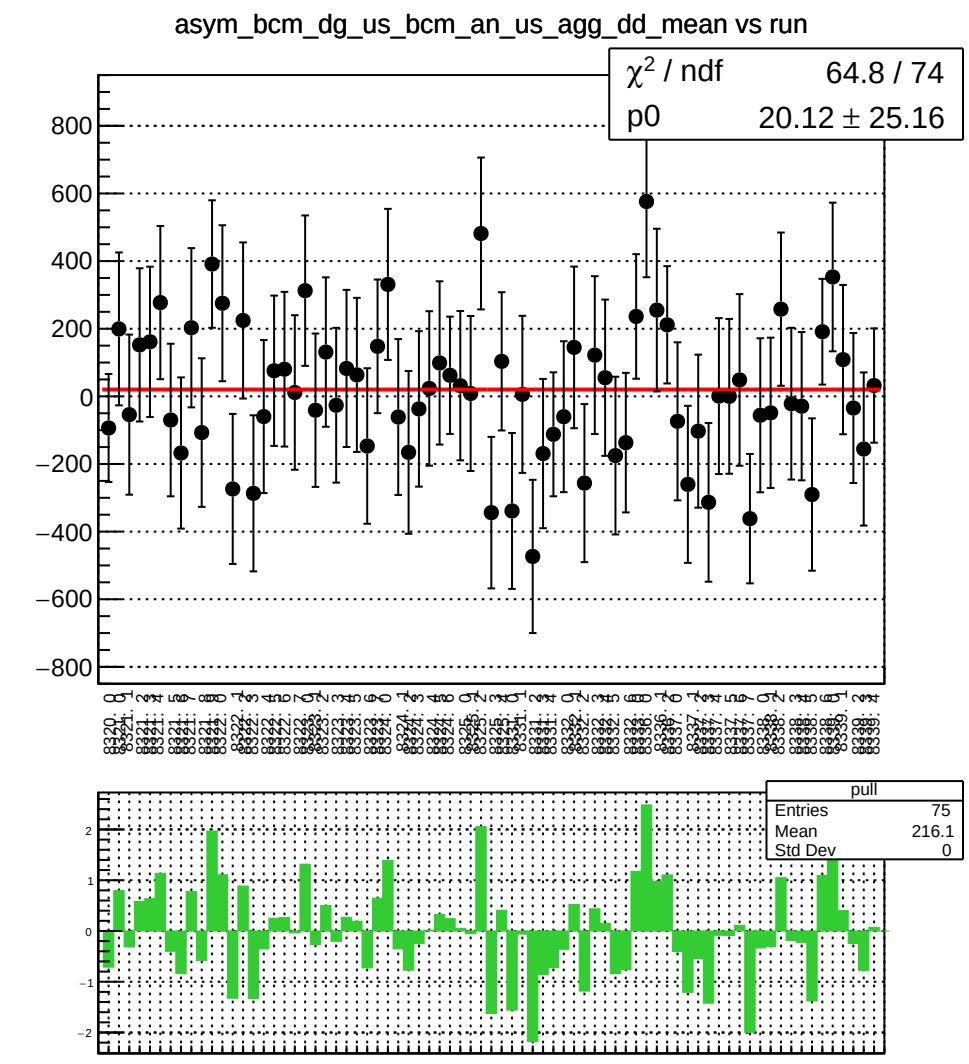

pull1D
Entries 75
Mean −0.00483
Std Dev 0.8647

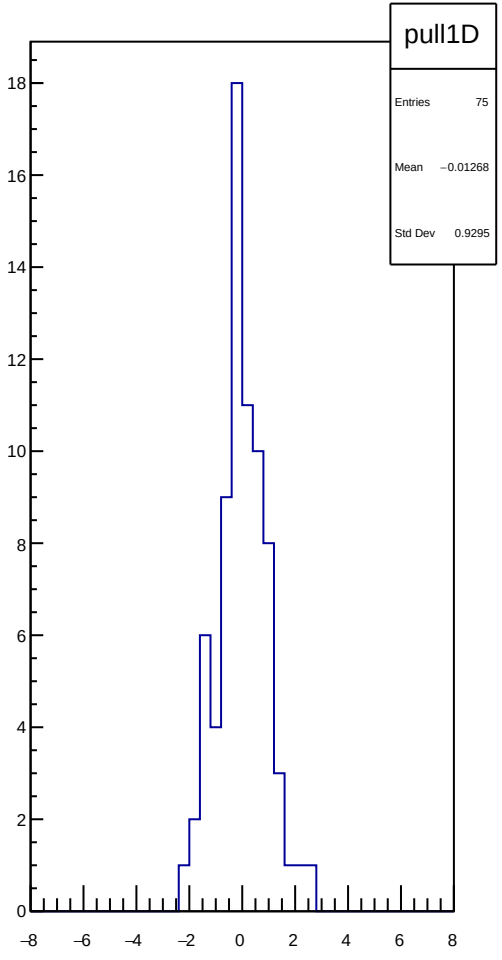

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1705 / 74
p0 15.35 ± 0.01263
18
17.5
17
16.5
16
15.5
15
14.5
14

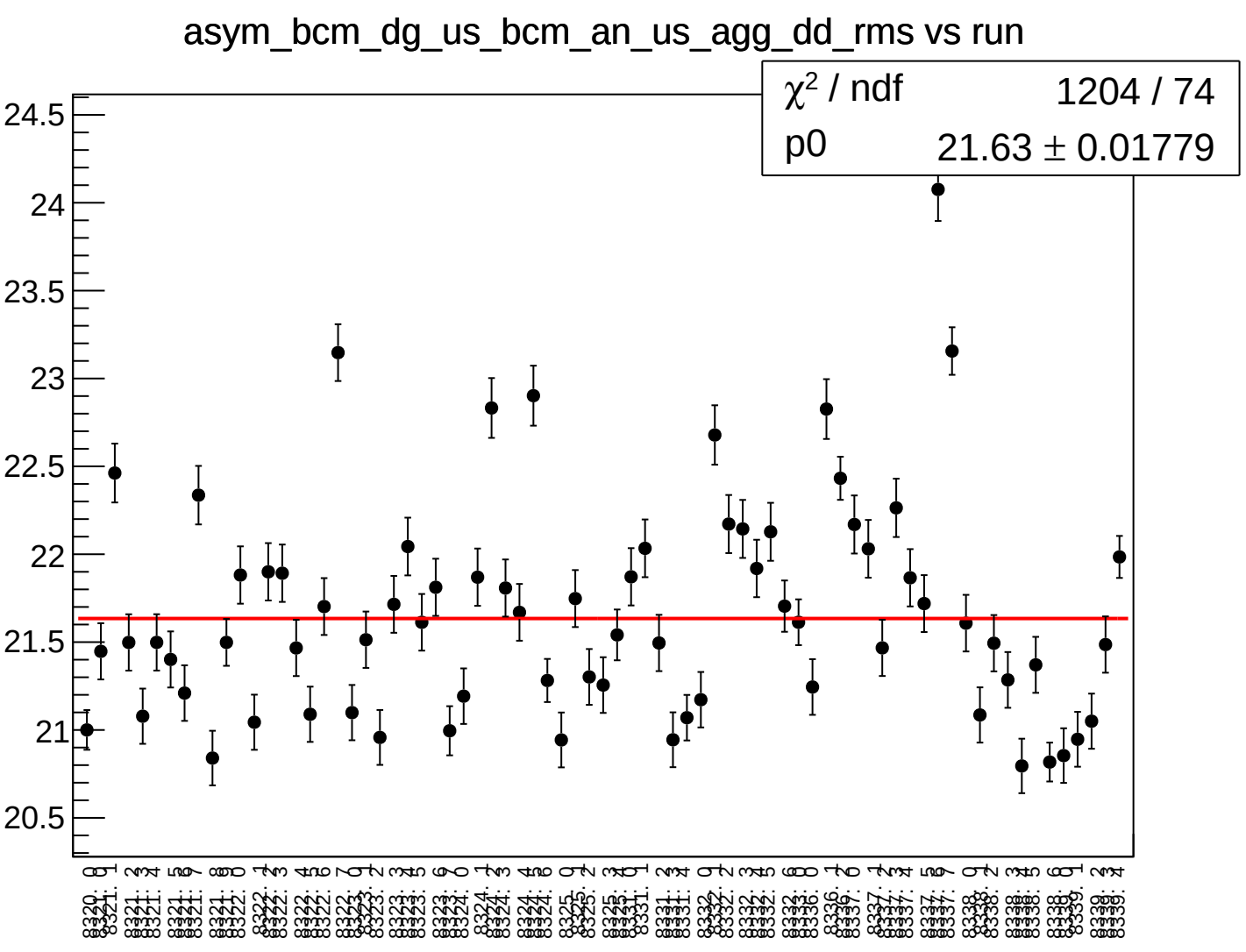

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 20.3 / 74
p0 613.9 ± 222.1
pull
Entries 75
Mean −202
Std Dev 0

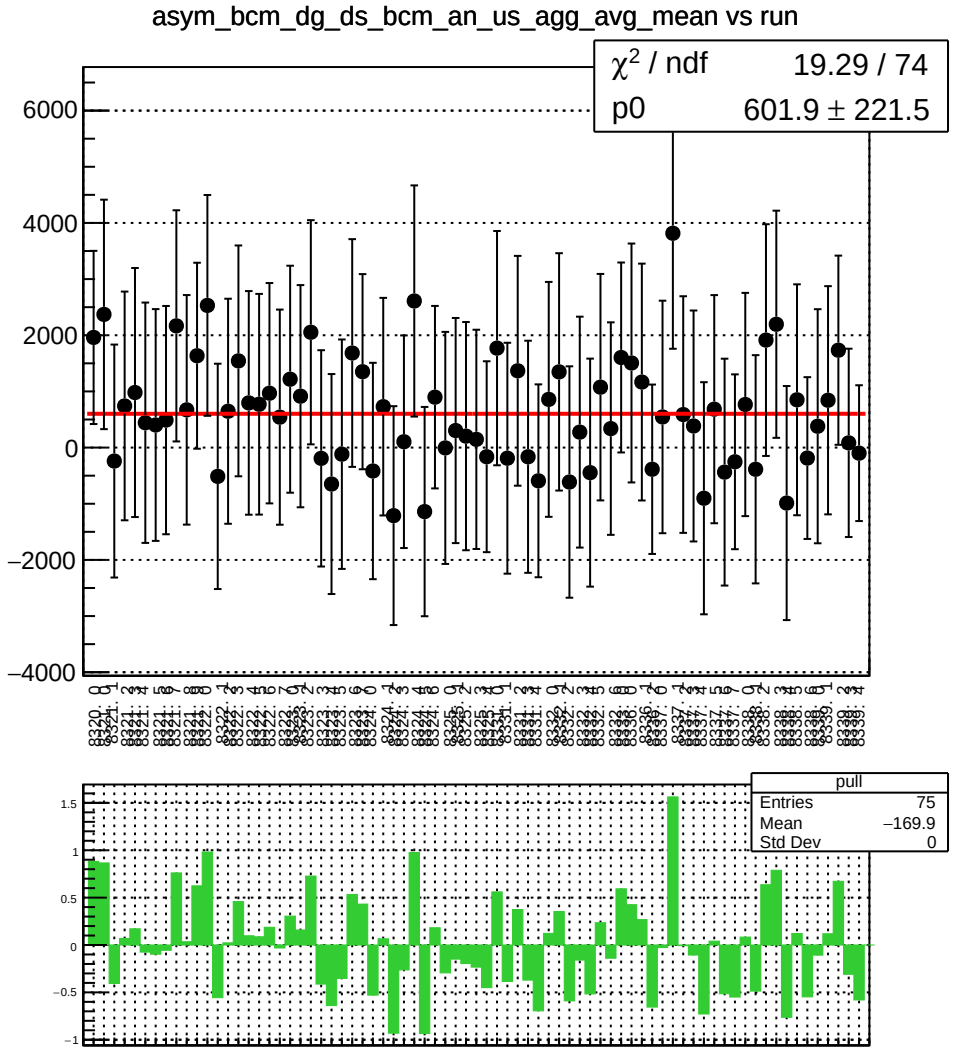

pull1D
Entries 75
Mean 0.009115
Std Dev 0.5202

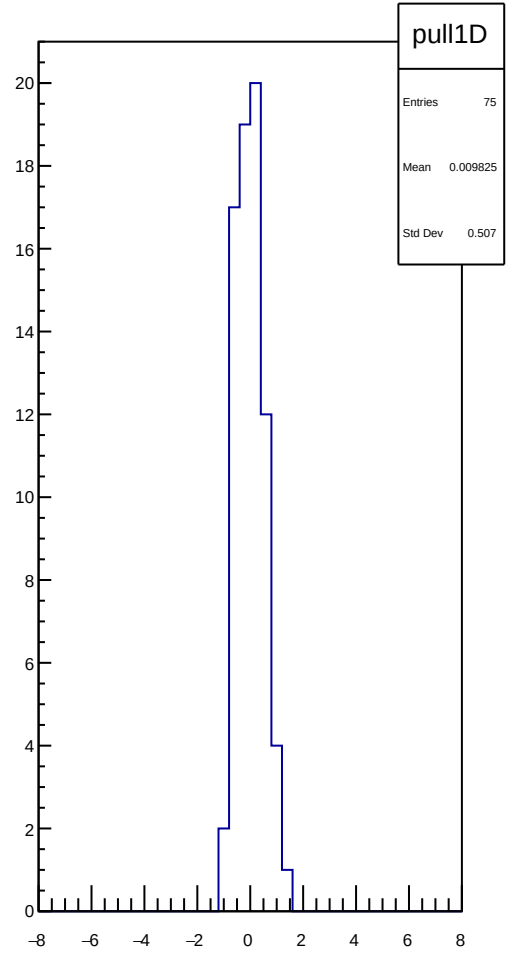

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4265 / 74
p0 190.8 ± 0.157
210
200
190
180
170
160

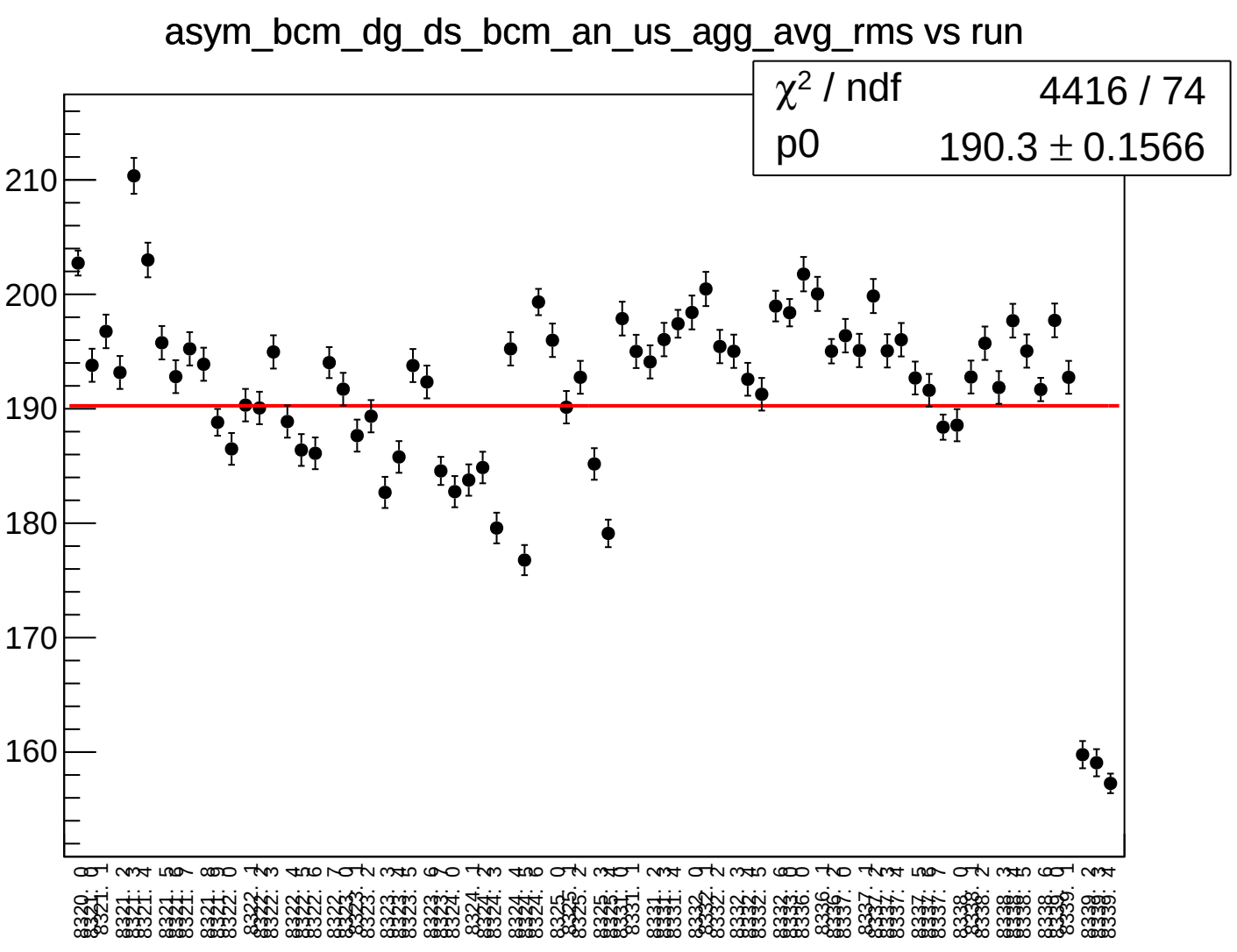

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 64.8 / 74
p0 20.12 ± 25.16
pull
Entries 75
Mean 216.1
Std Dev 0

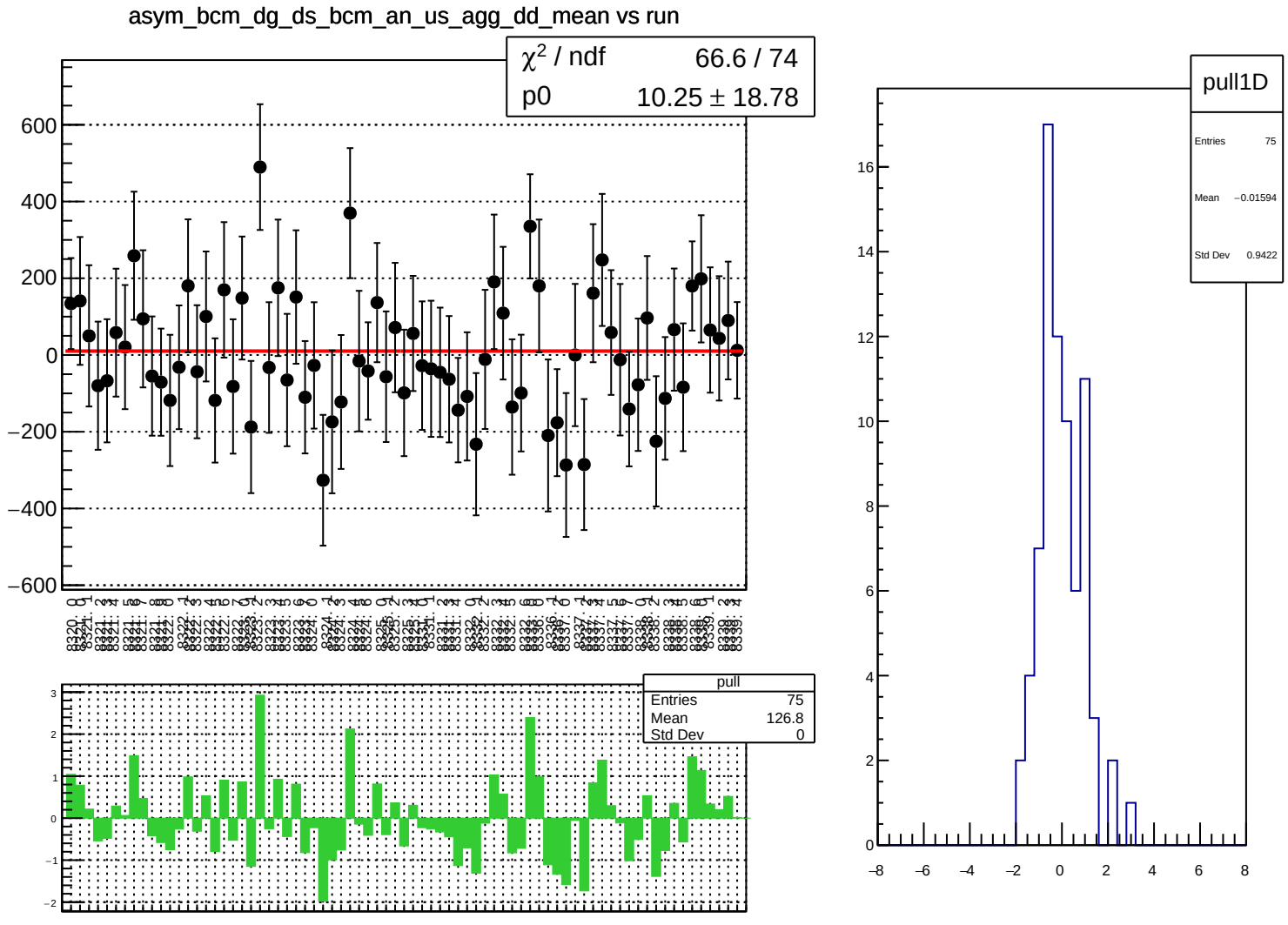

pull1D
Entries 75
Mean −0.01268
Std Dev 0.9295

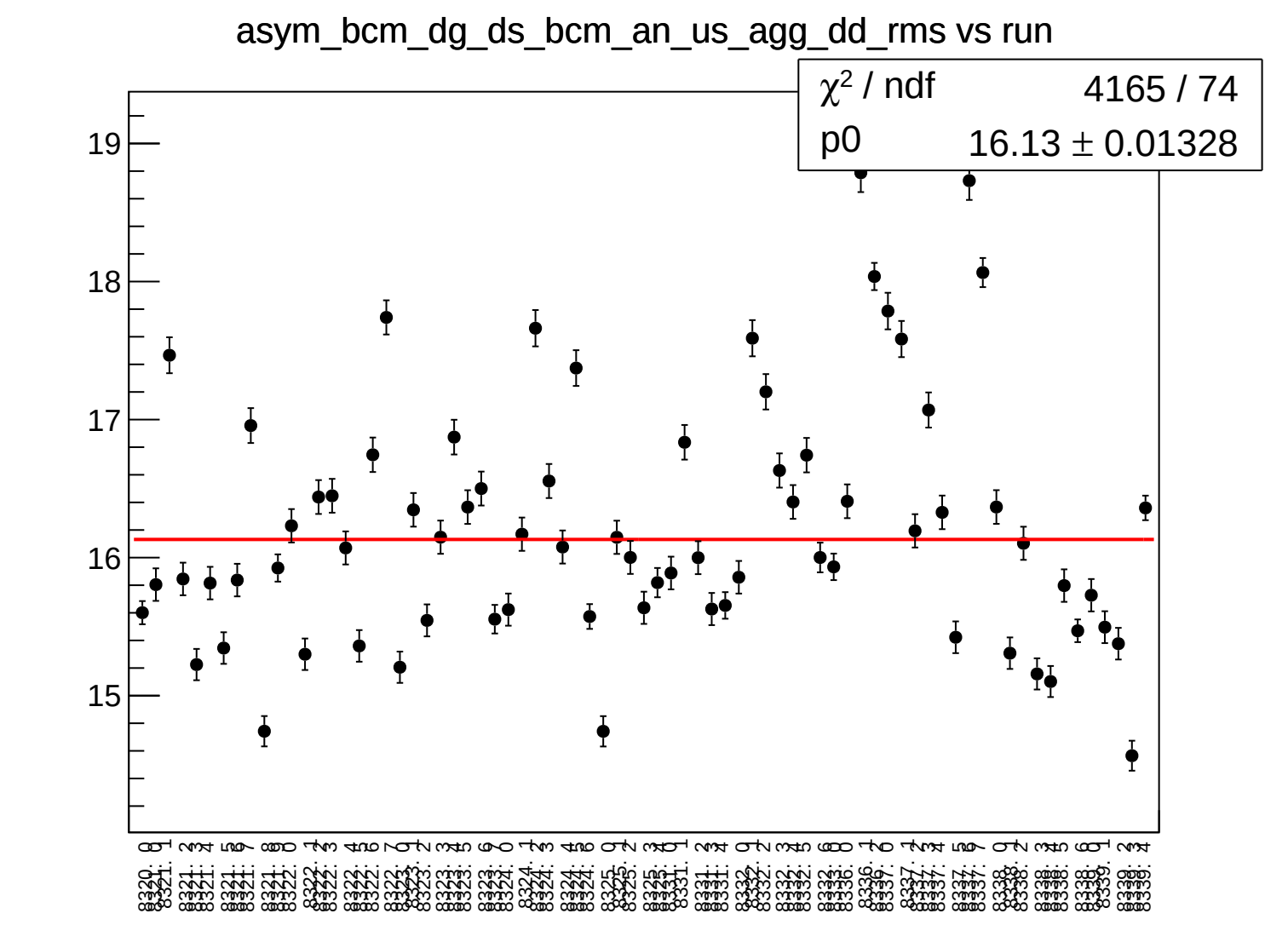

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1204 / 74
p0 21.63 ± 0.01779
24.5
24
23.5
23
22.5
22
21.5
21
20.5

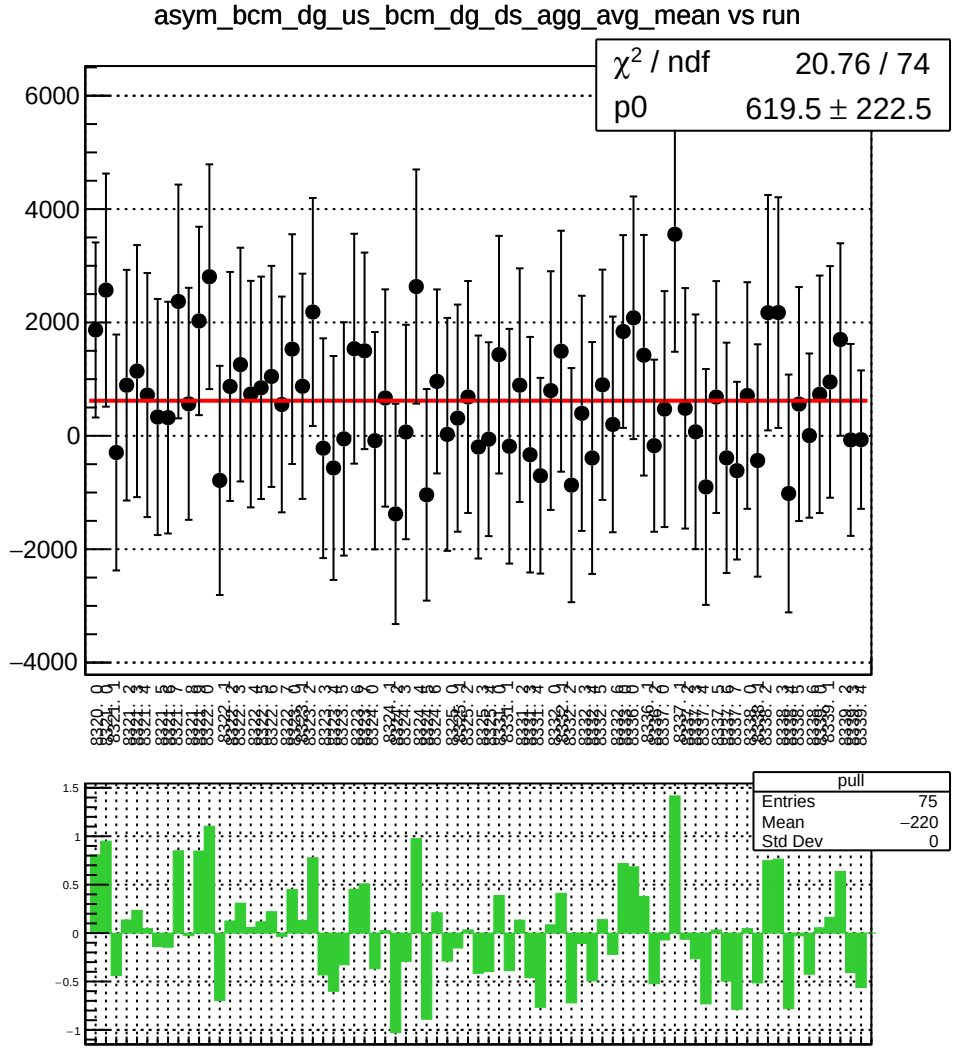

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 19.29 / 74
p0 601.9 ± 221.5
pull
Entries 75
Mean −169.9
Std Dev 0

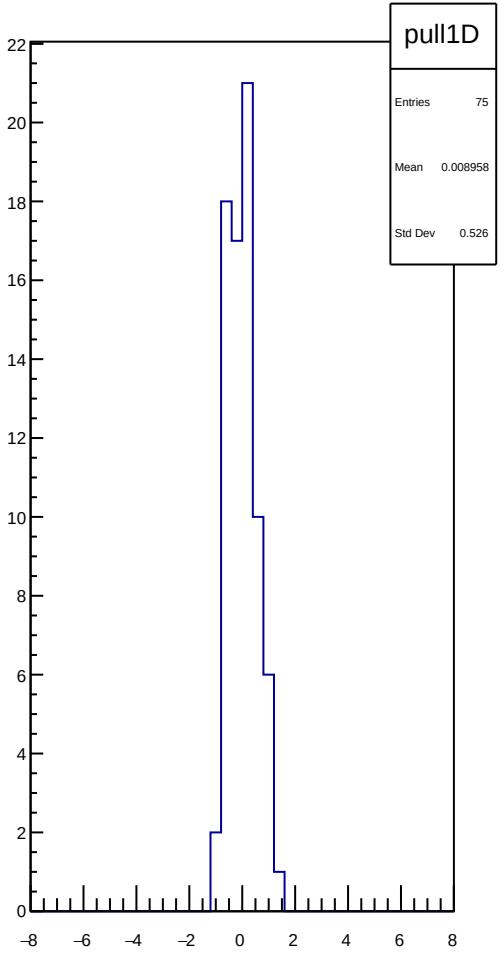

pull1D
Entries 75
Mean 0.009825
Std Dev 0.507

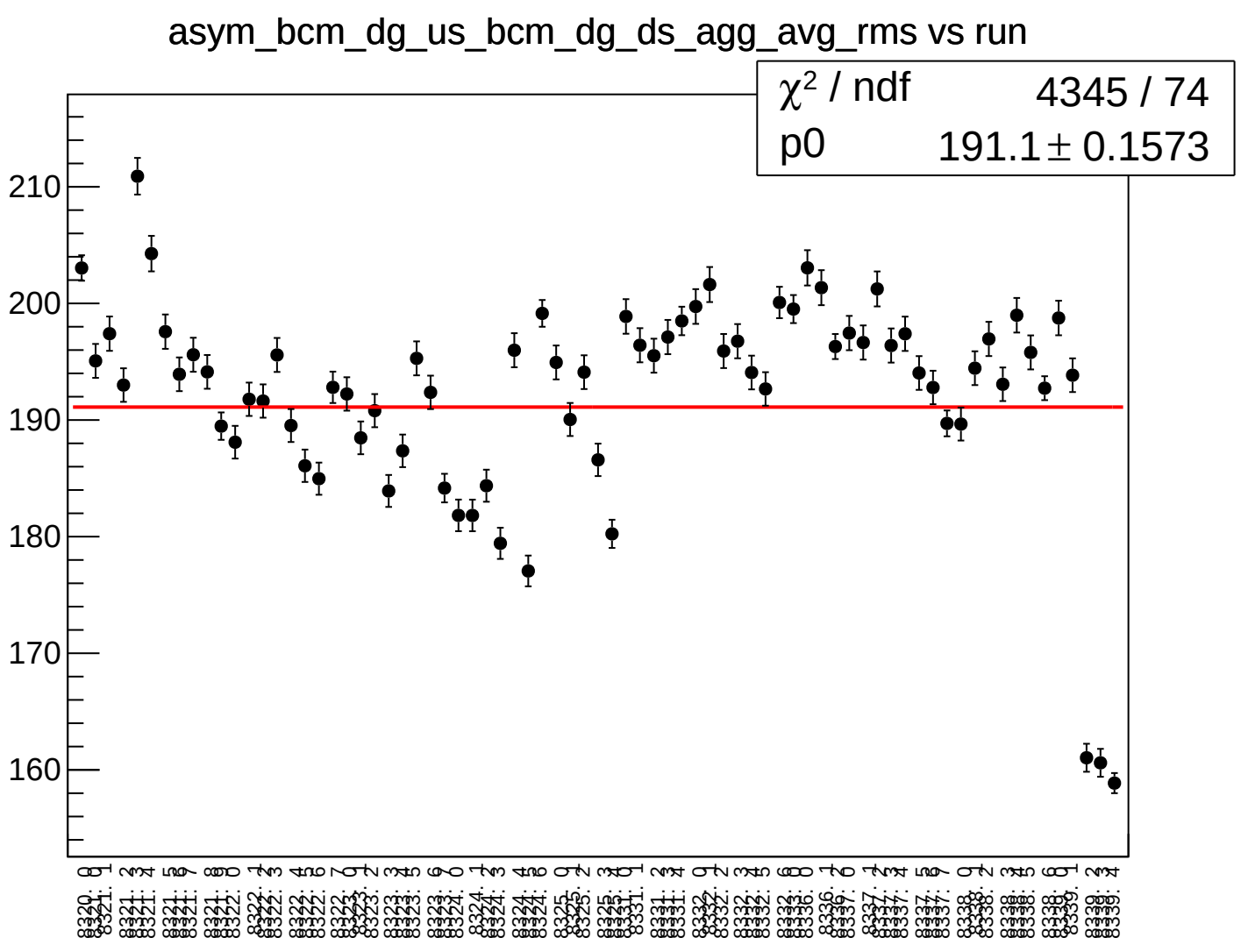

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4416 / 74
p0 190.3 ± 0.1566
210
200
190
180
170
160

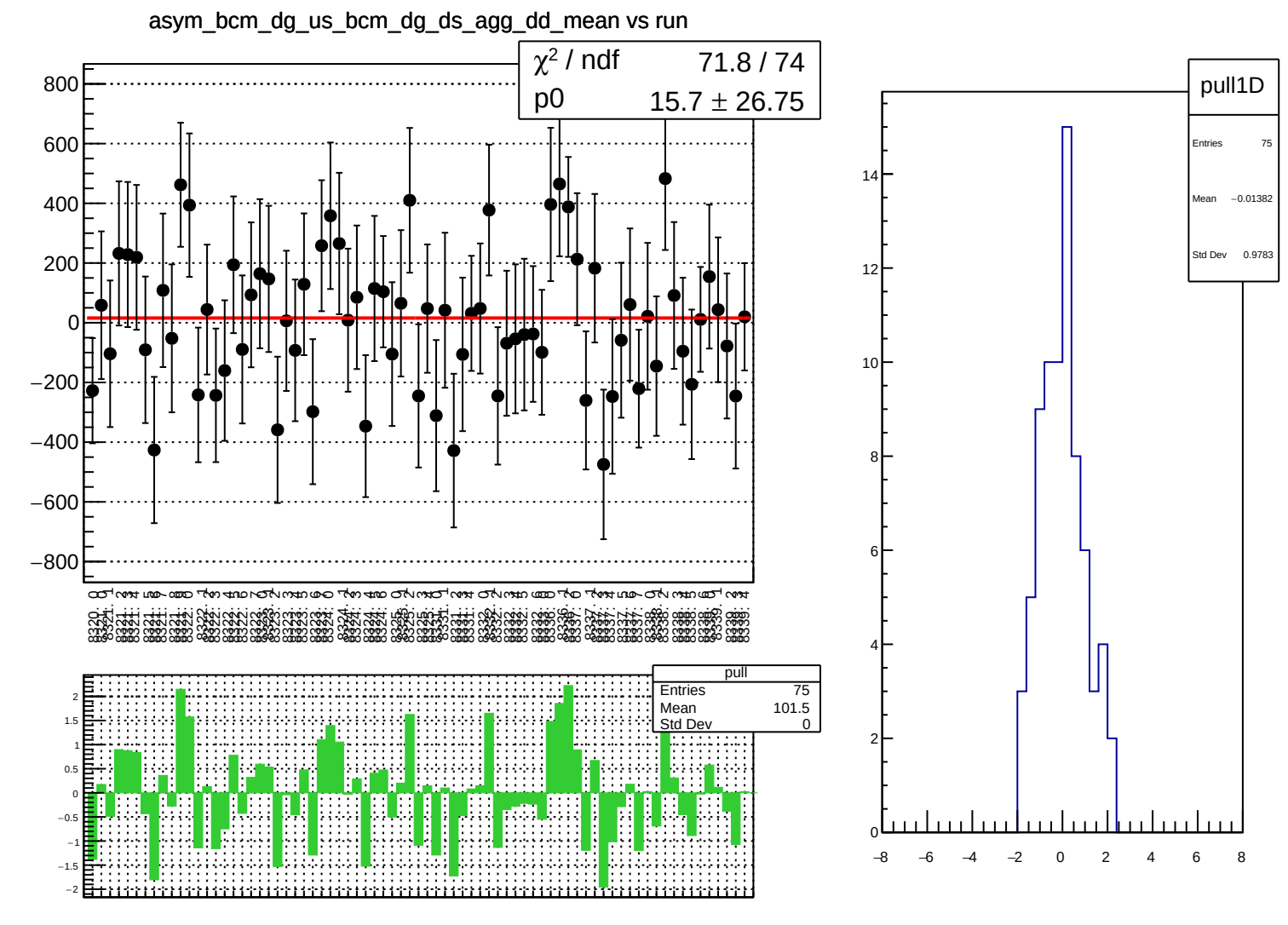

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 66.6 / 74
p0 10.25 ± 18.78
pull
Entries 75
Mean 126.8
Std Dev 0
pull1D
Entries 75
Mean −0.01594
Std Dev 0.9422

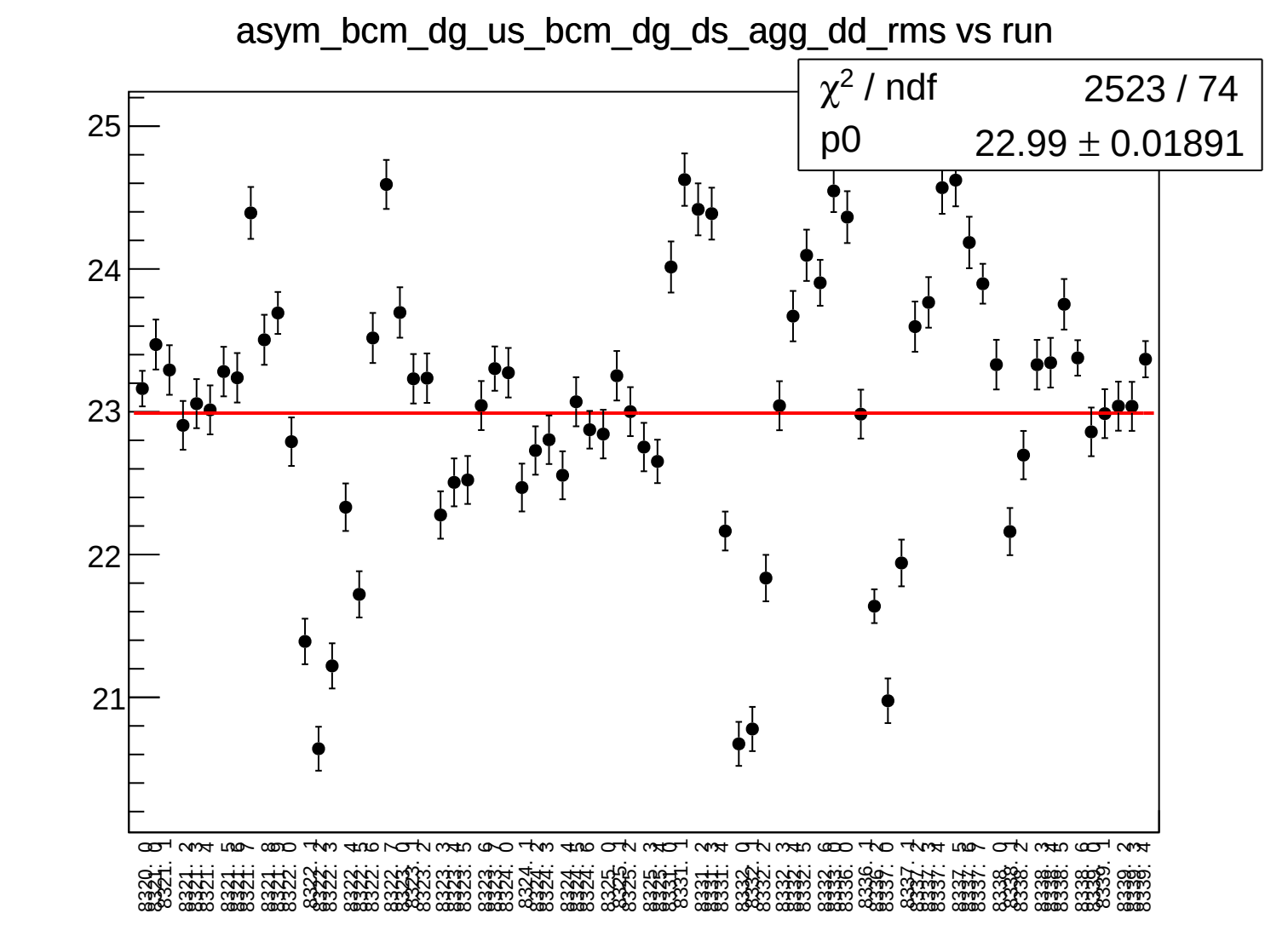

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 4165 / 74
p0 16.13 ± 0.01328
19
18
17
16
15

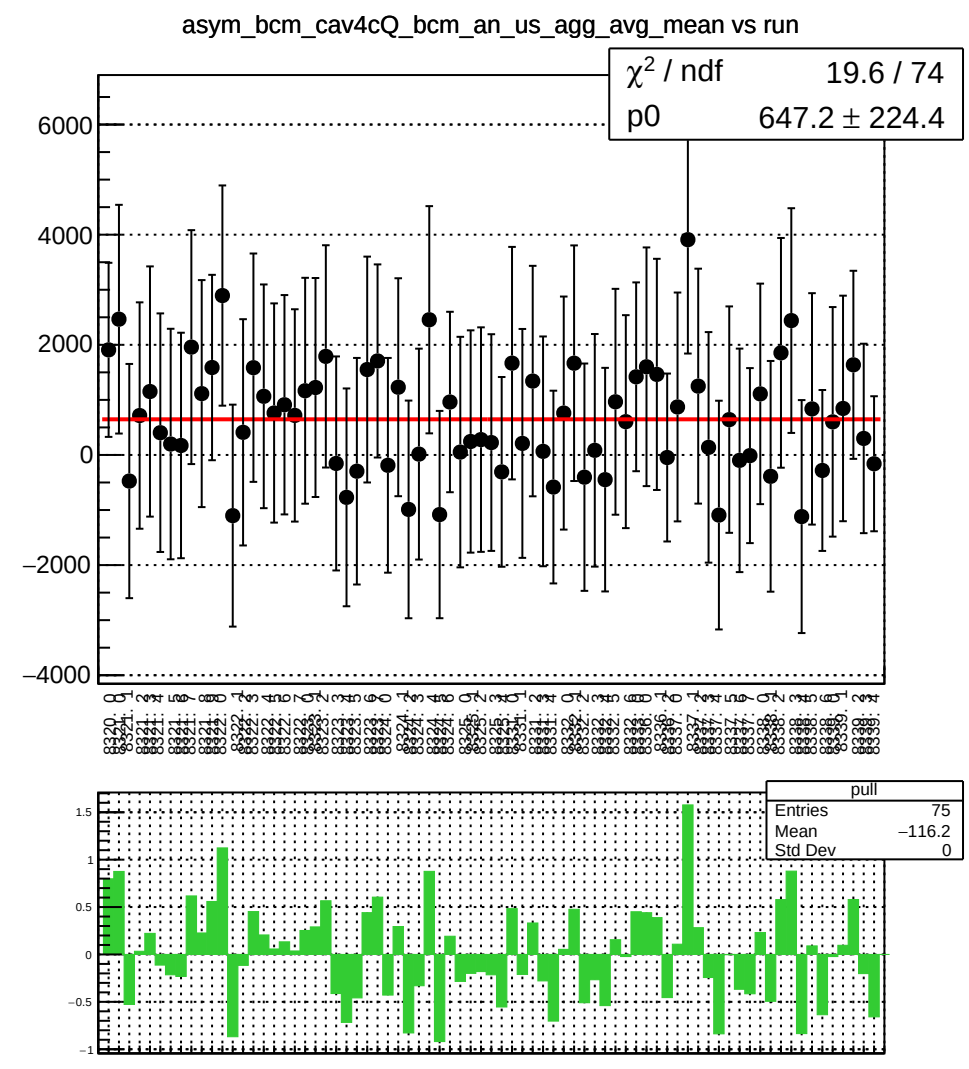

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 20.76 / 74
p0 619.5 ± 222.5
6000
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −220
Std Dev 0
1.5
1
0.5
0
−0.5
−1

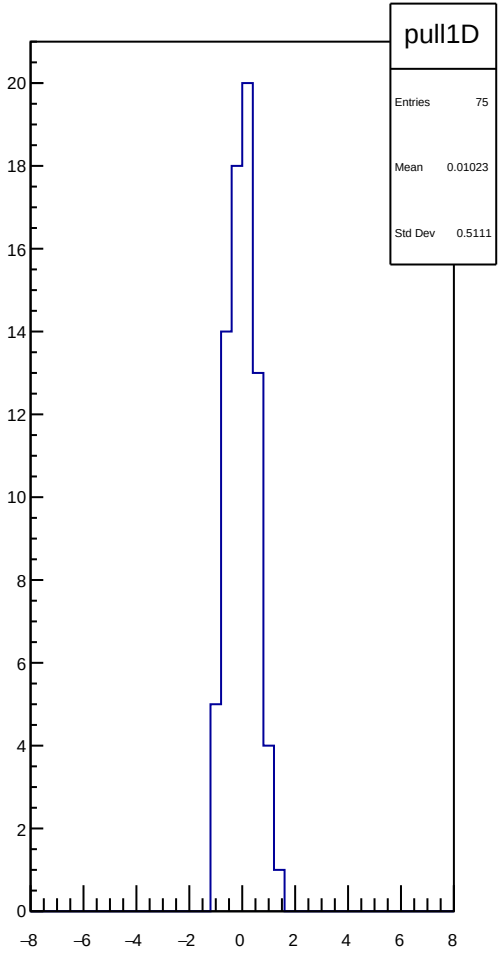

pull1D
Entries 75
Mean 0.008958
Std Dev 0.526
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

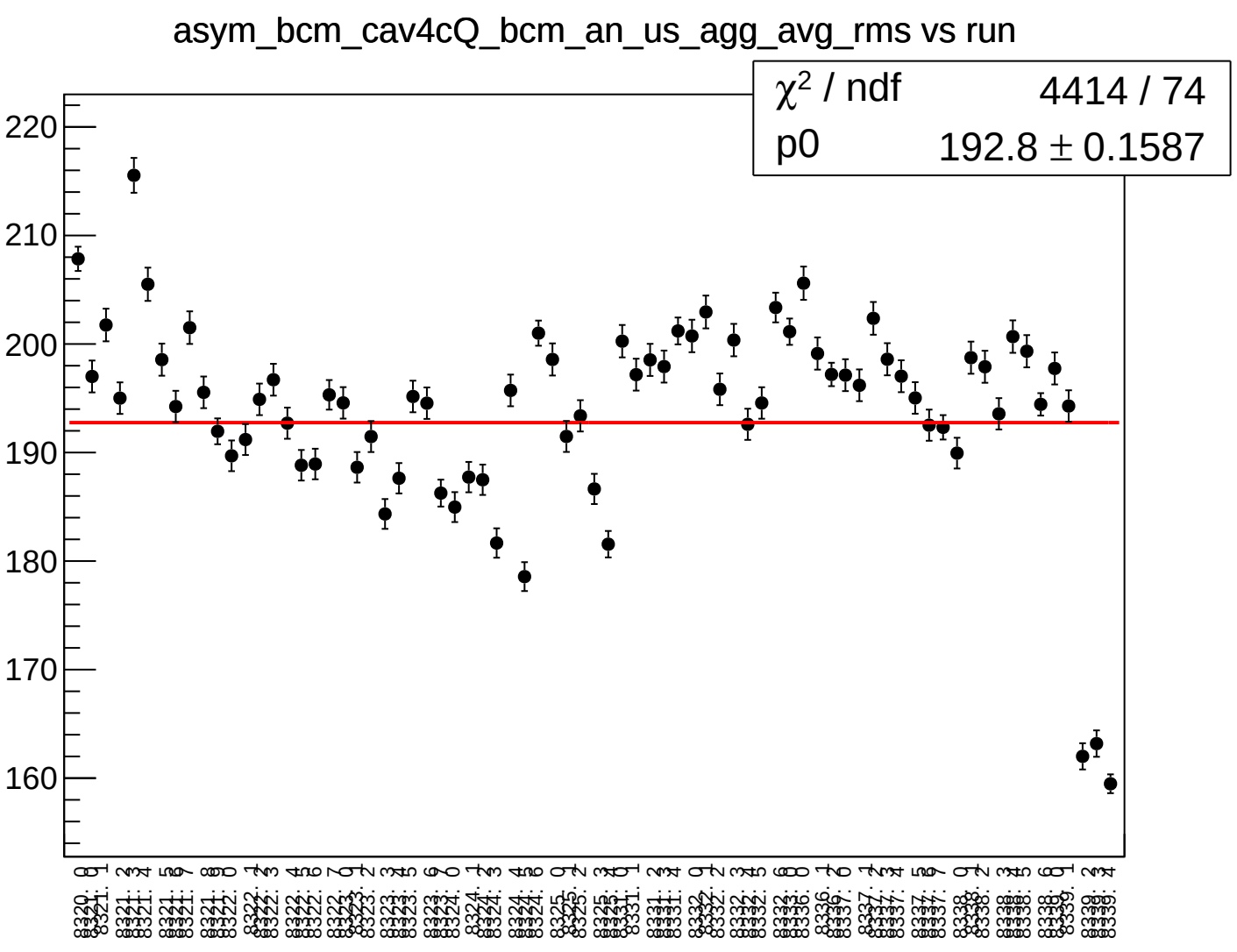

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4345 / 74
p0 191.1 ± 0.1573
210
200
190
180
170
160

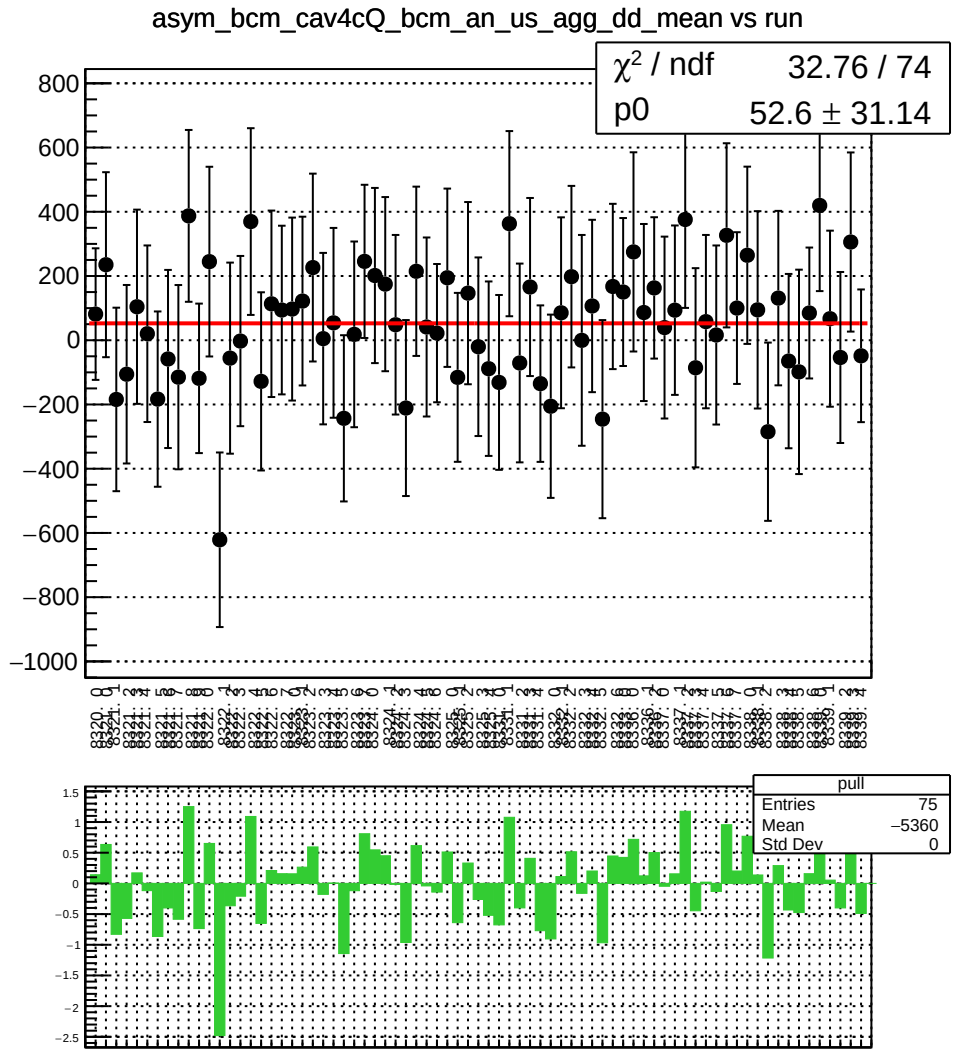

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 71.8 / 74
p0 15.7 ± 26.75
pull
Entries 75
Mean 101.5
Std Dev 0
pull1D
Entries 75
Mean −0.01382
Std Dev 0.9783

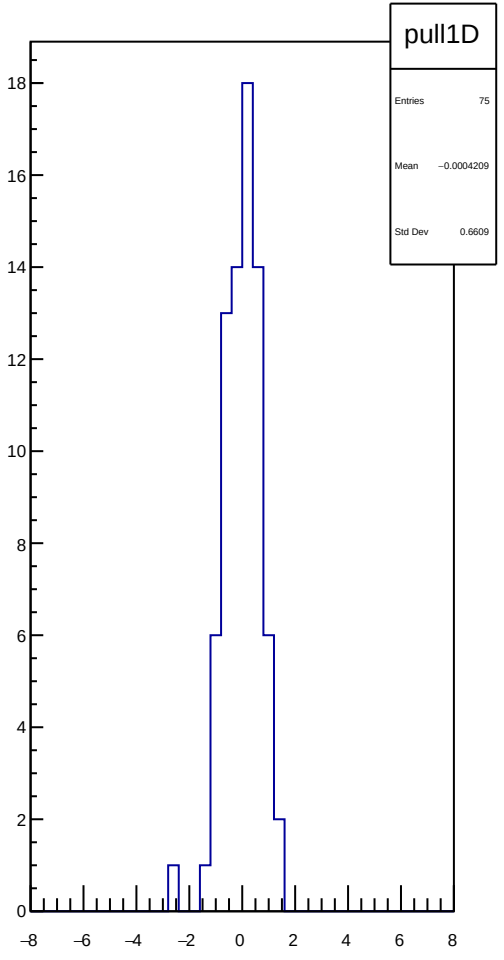

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2523 / 74
p0 22.99 ± 0.01891
25
24
23
22
21

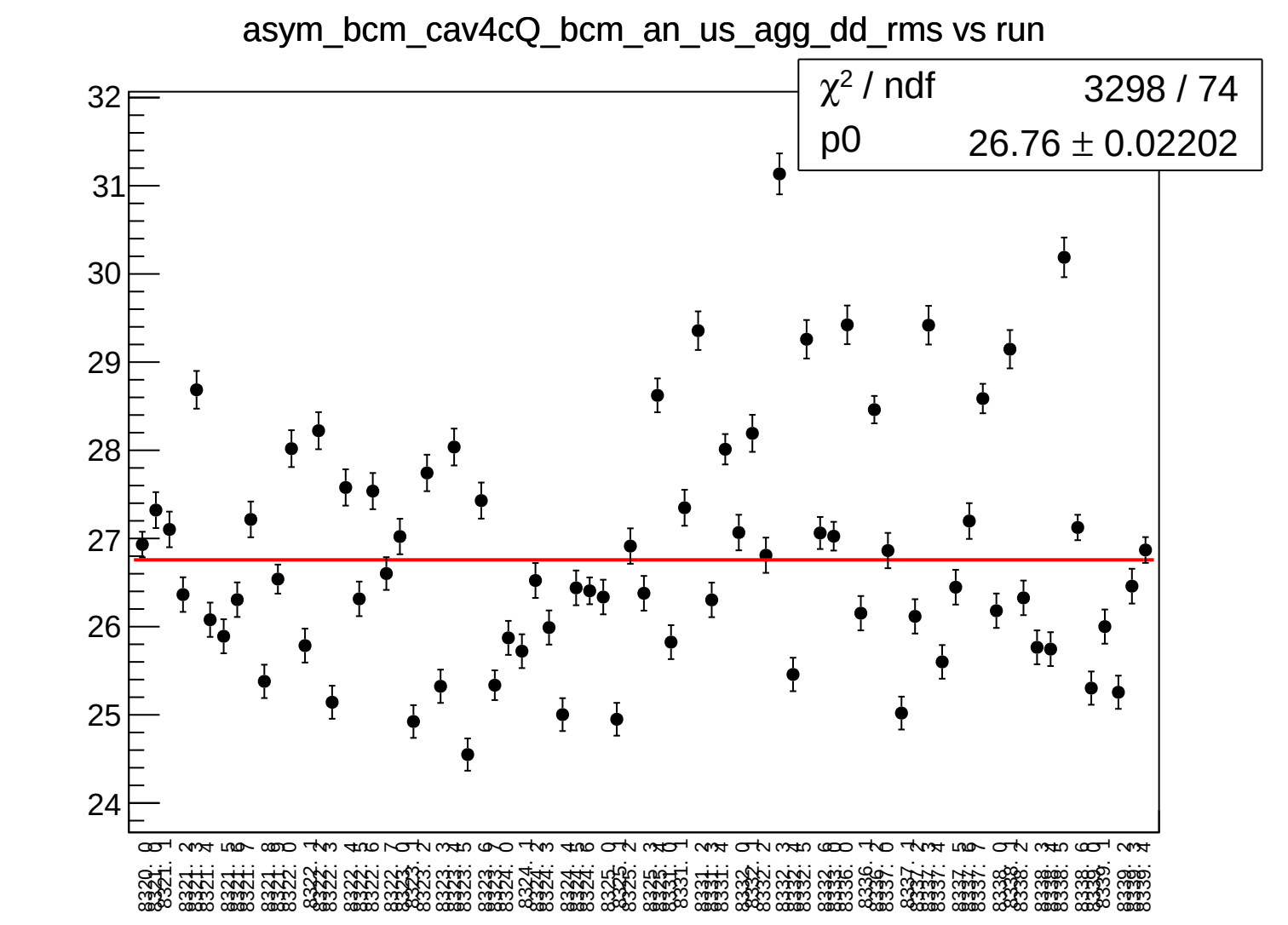

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 19.6 / 74
p0 647.2 ± 224.4
6000
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −116.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1

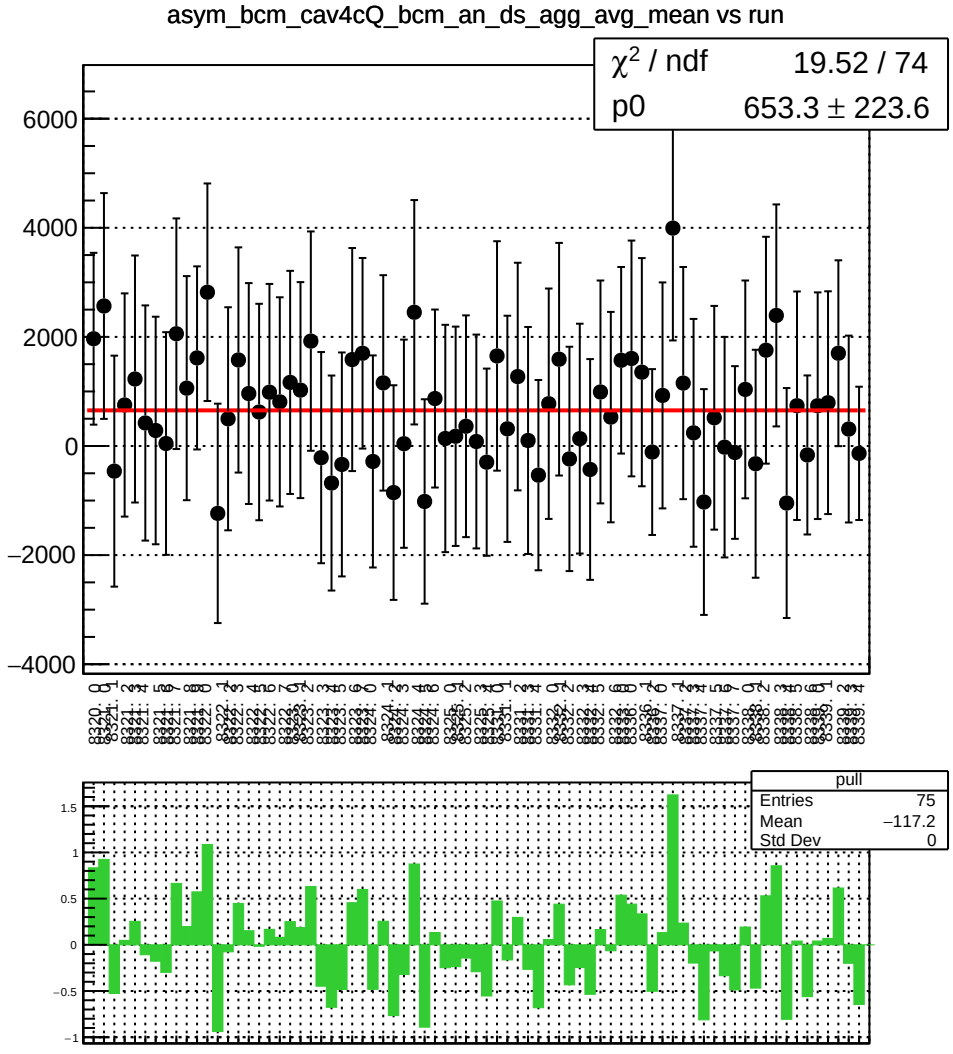

pull1D
Entries 75
Mean 0.01023
Std Dev 0.5111
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

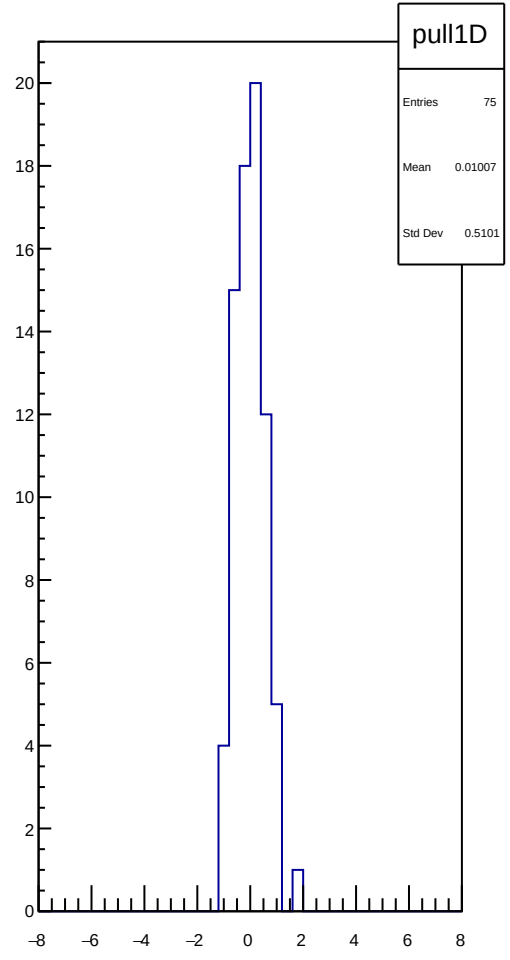

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4414 / 74
p0 192.8 ± 0.1587
220
210
200
190
180
170
160

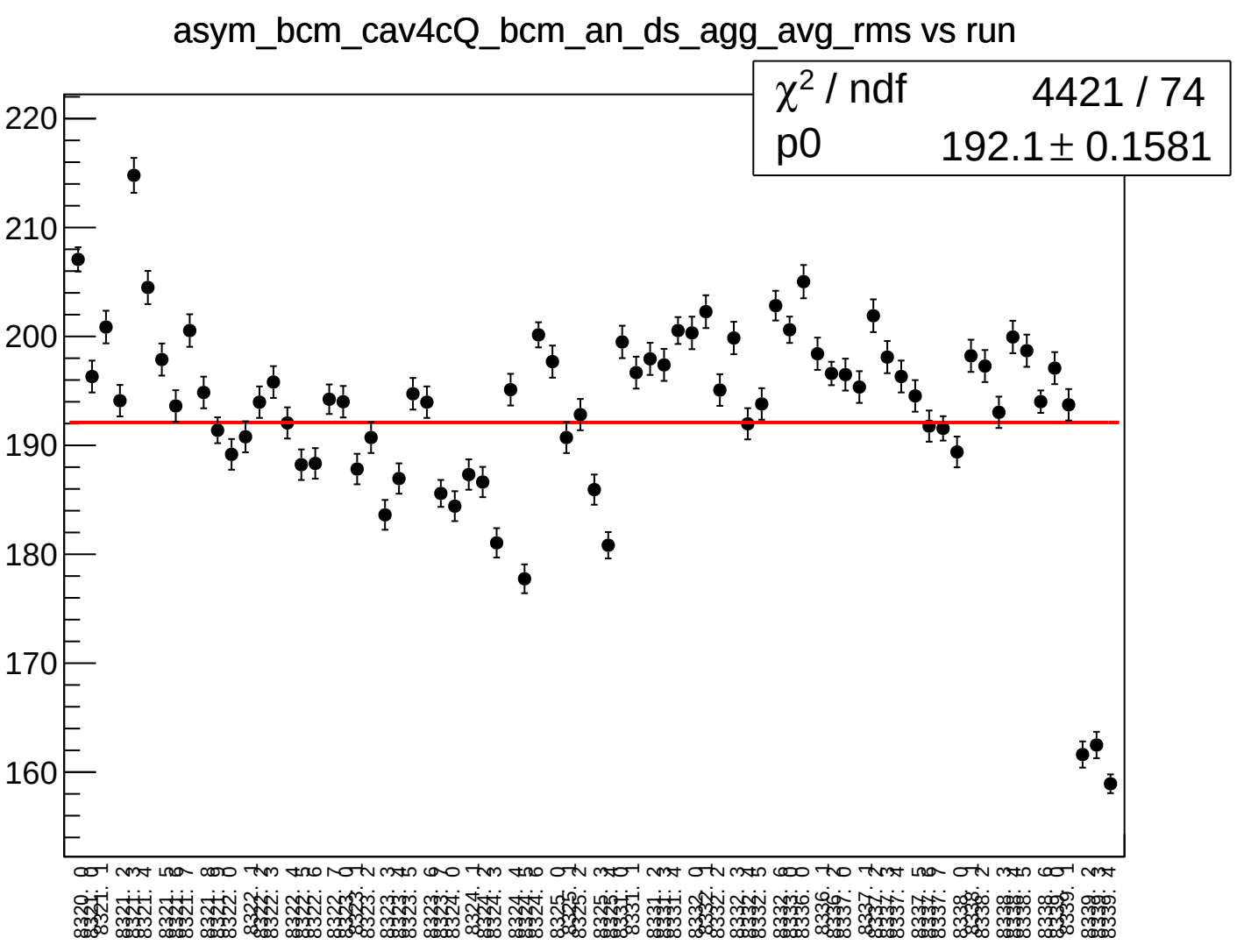

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 32.76 / 74
p0 52.6 ± 31.14
pull
Entries 75
Mean −5360
Std Dev 0

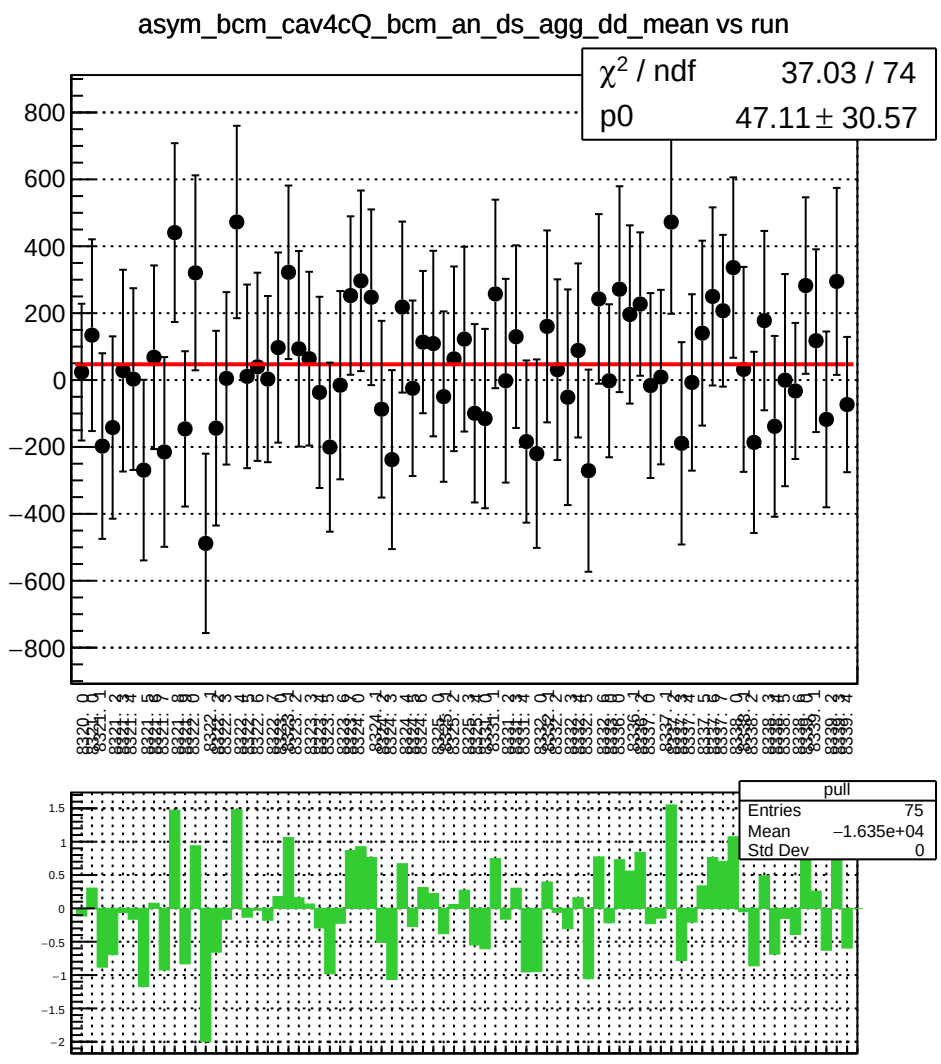

pull1D
Entries 75
Mean −0.0004209
Std Dev 0.6609

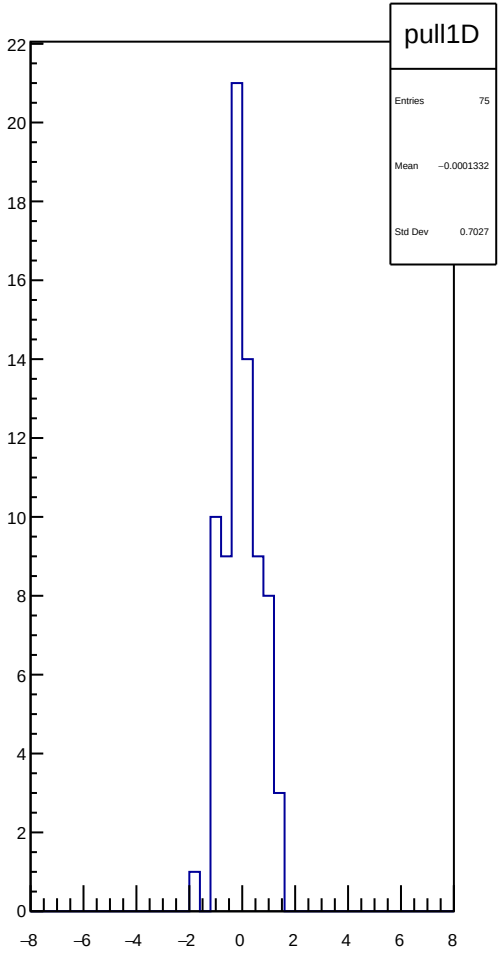

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3298 / 74
p0 26.76 ± 0.02202
32
31
30
29
28
27
26
25
24

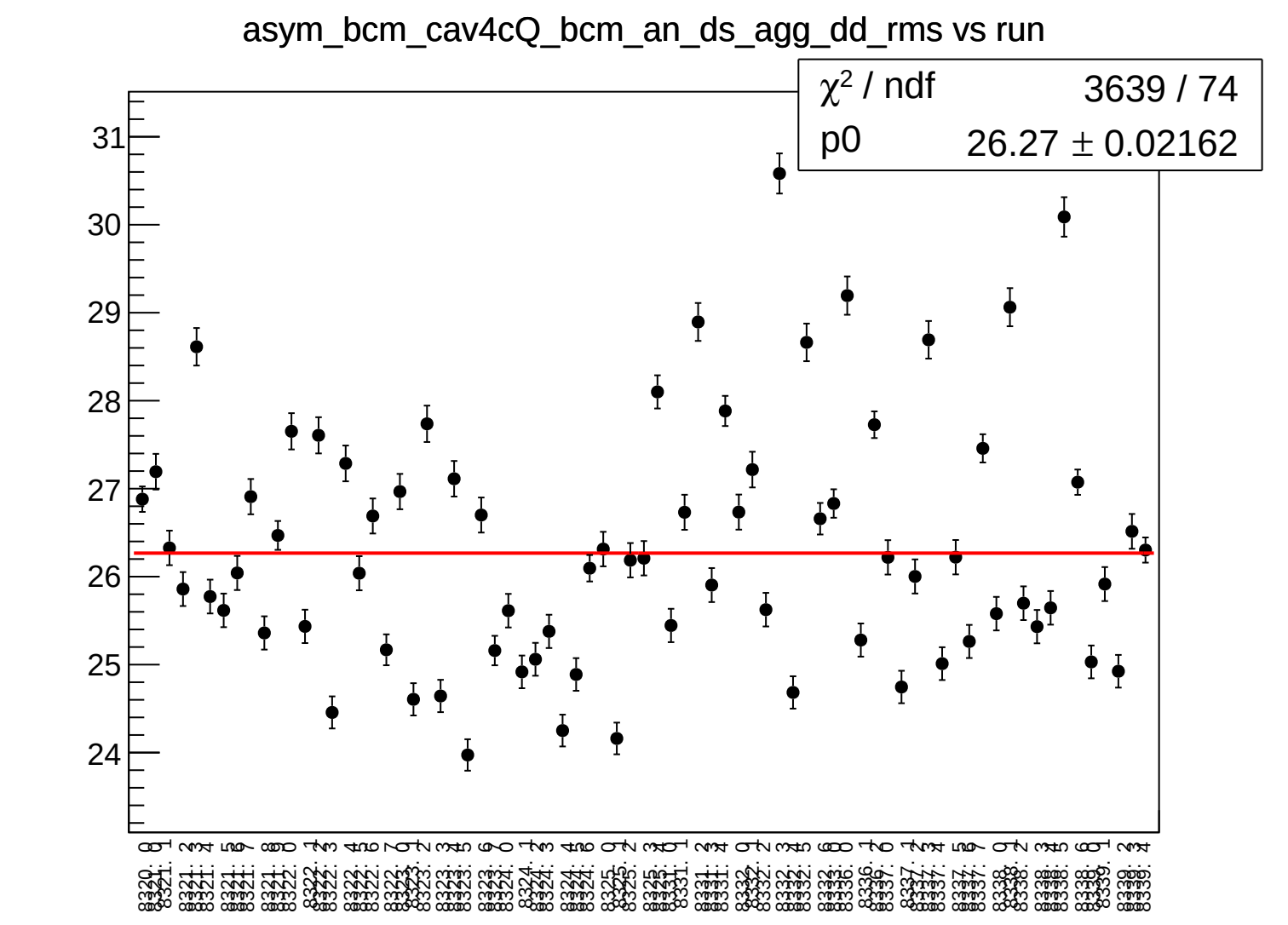

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 19.52 / 74
p0 653.3 ± 223.6
pull
Entries 75
Mean −117.2
Std Dev 0

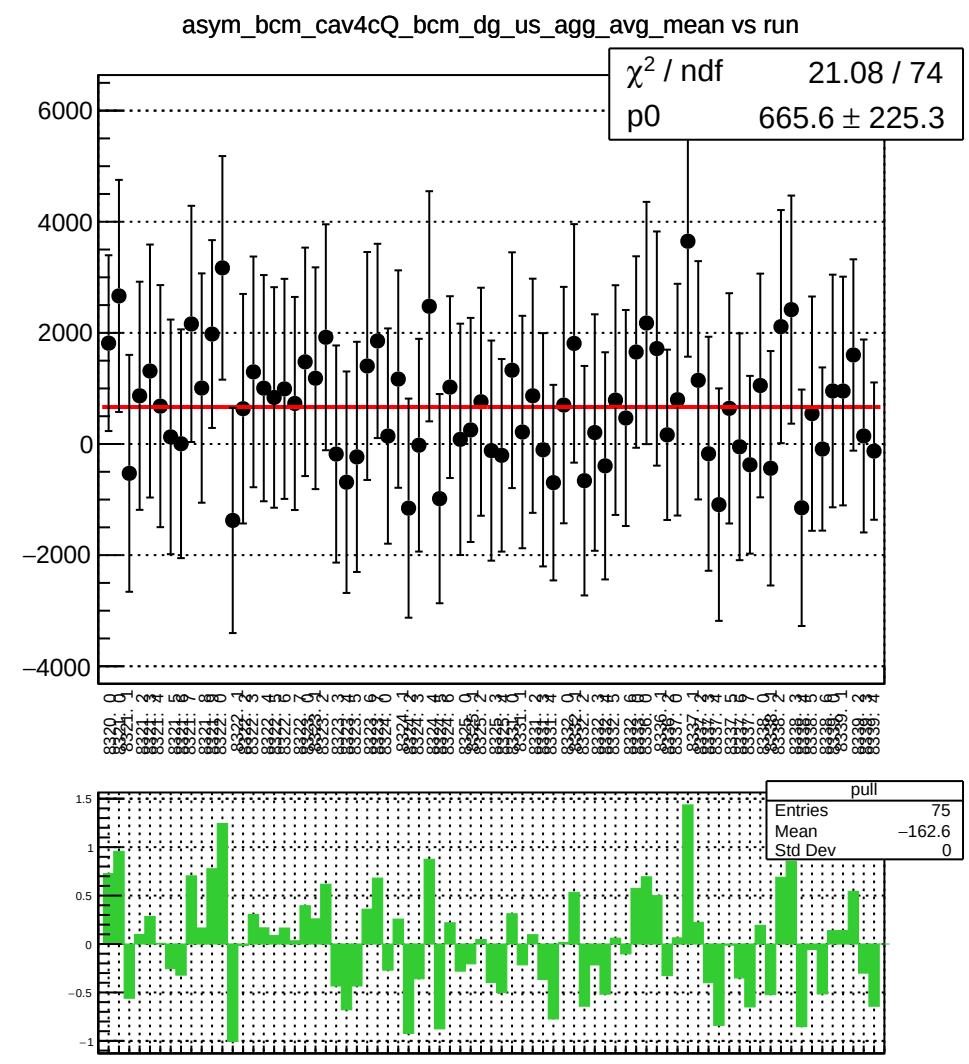

pull1D
Entries 75
Mean 0.01007
Std Dev 0.5101

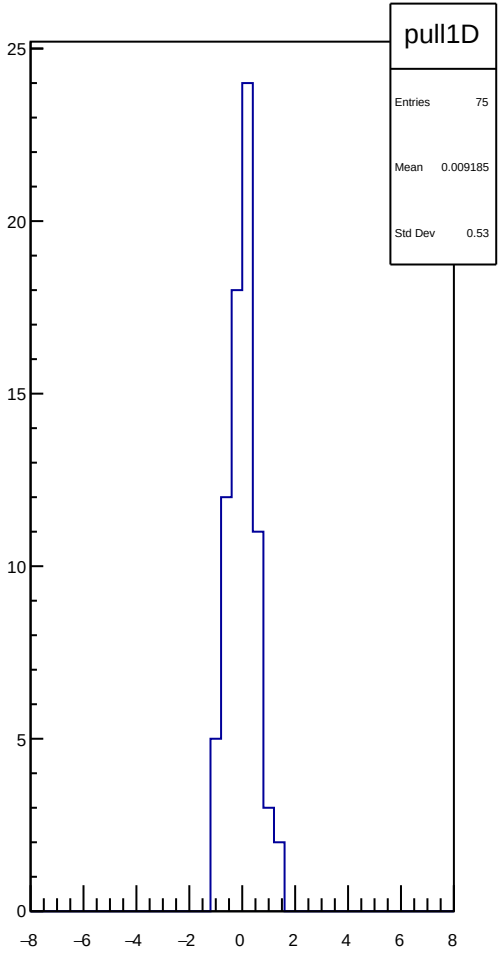

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4421 / 74
p0 192.1 ± 0.1581
220
210
200
190
180
170
160

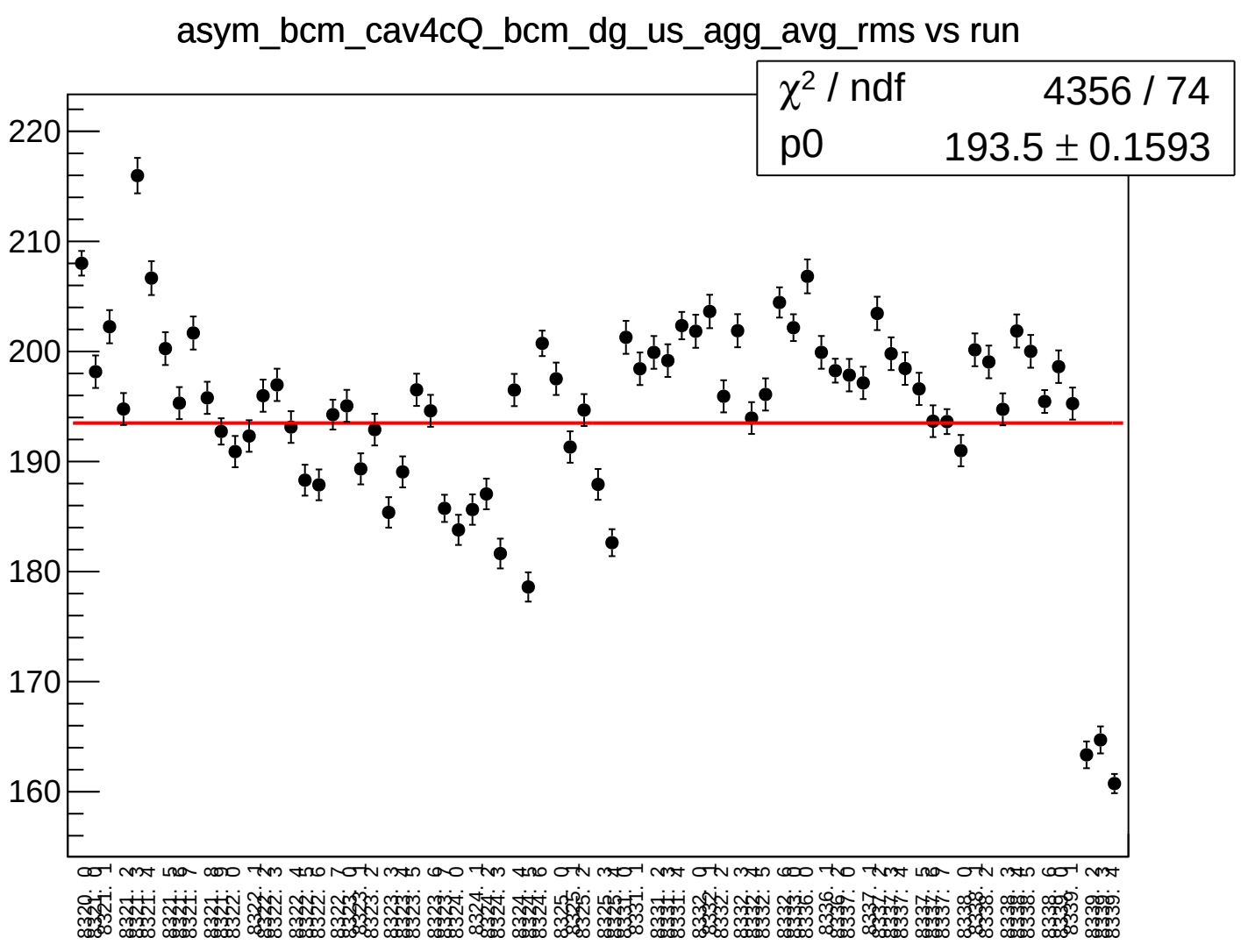

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 37.03 / 74
p0 47.11 ± 30.57
pull
Entries 75
Mean −1.635e+04
Std Dev 0

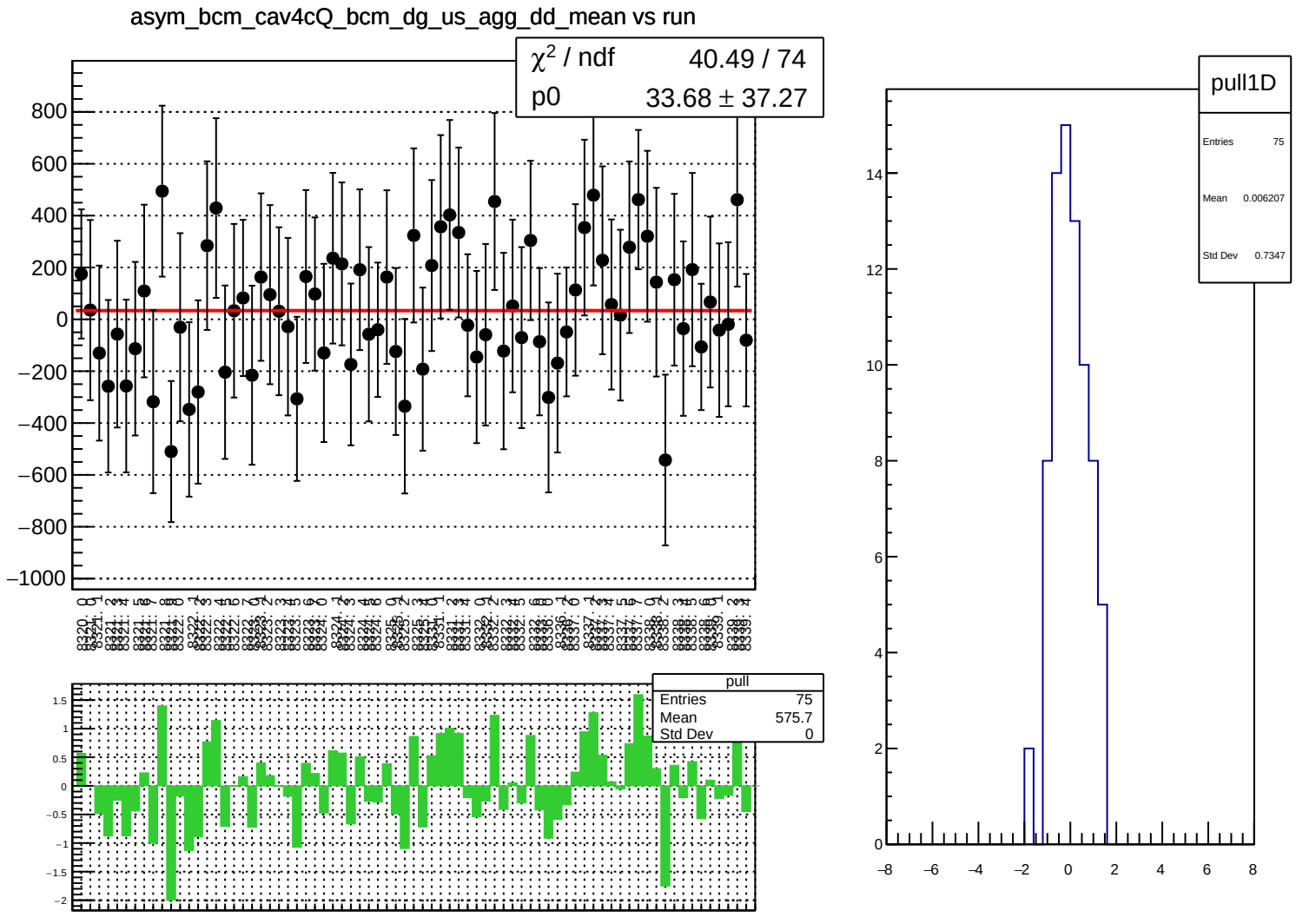

pull1D
Entries 75
Mean −0.0001332
Std Dev 0.7027

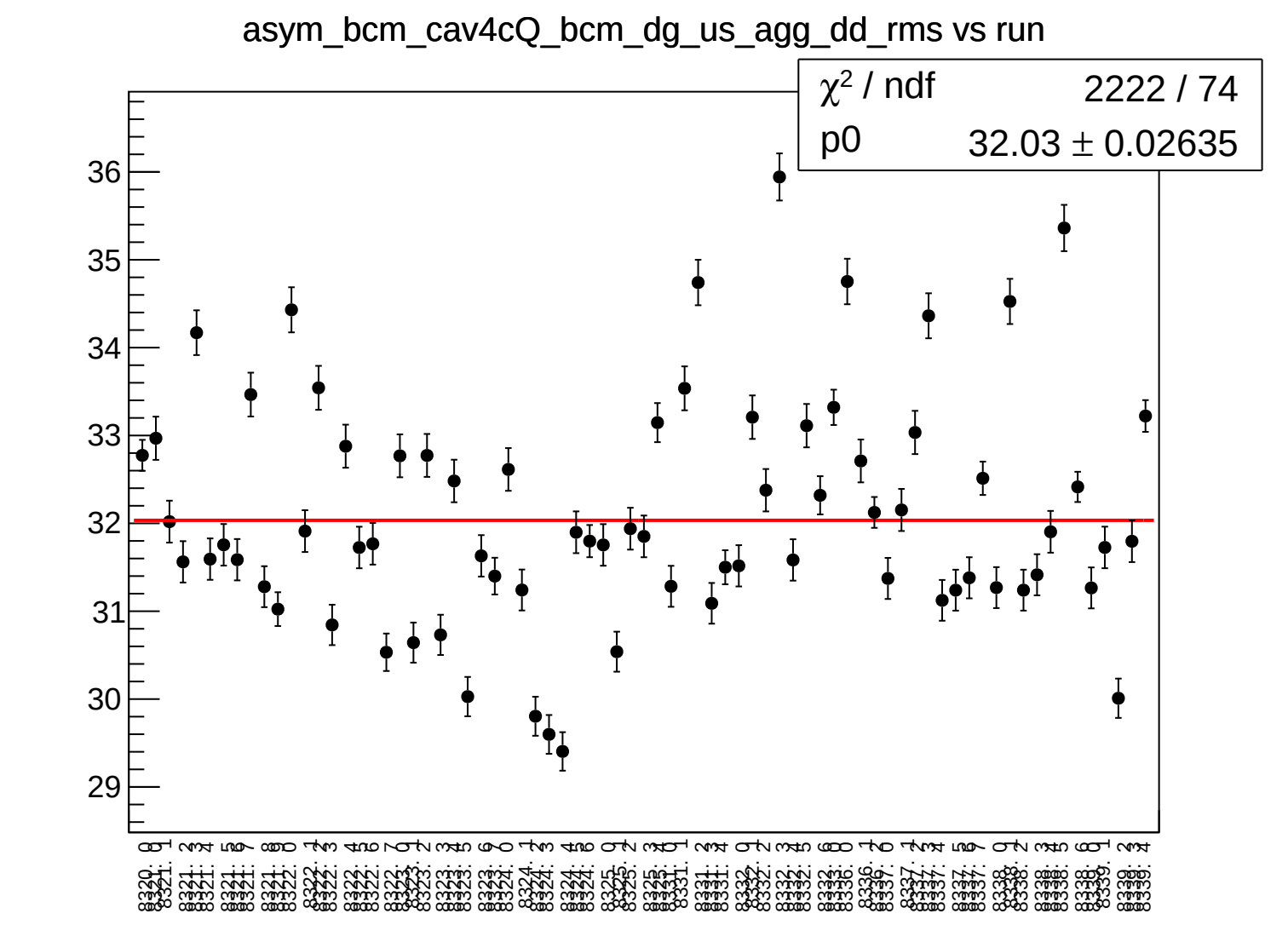

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3639 / 74
p0 26.27 ± 0.02162
31
30
29
28
27
26
25
24

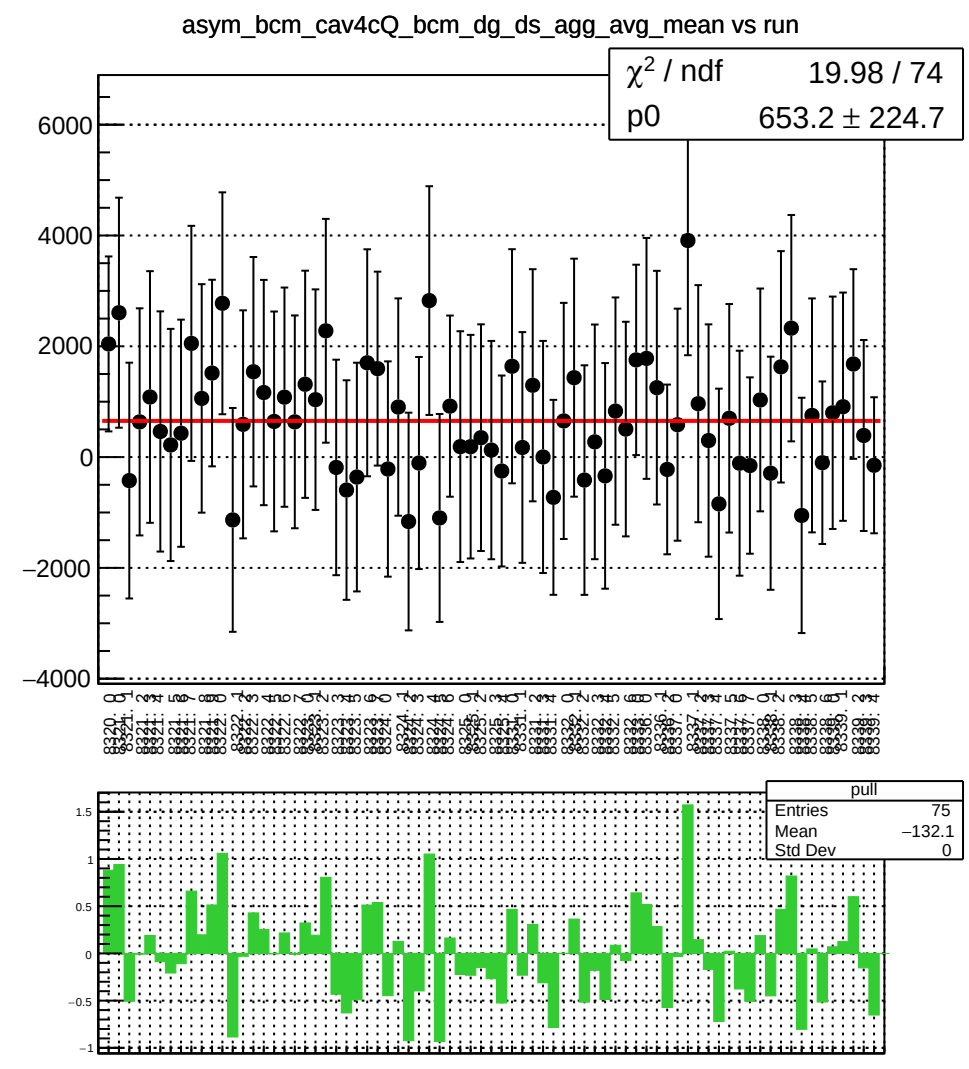

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 21.08 / 74
p0 665.6 ± 225.3
pull
Entries 75
Mean −162.6
Std Dev 0

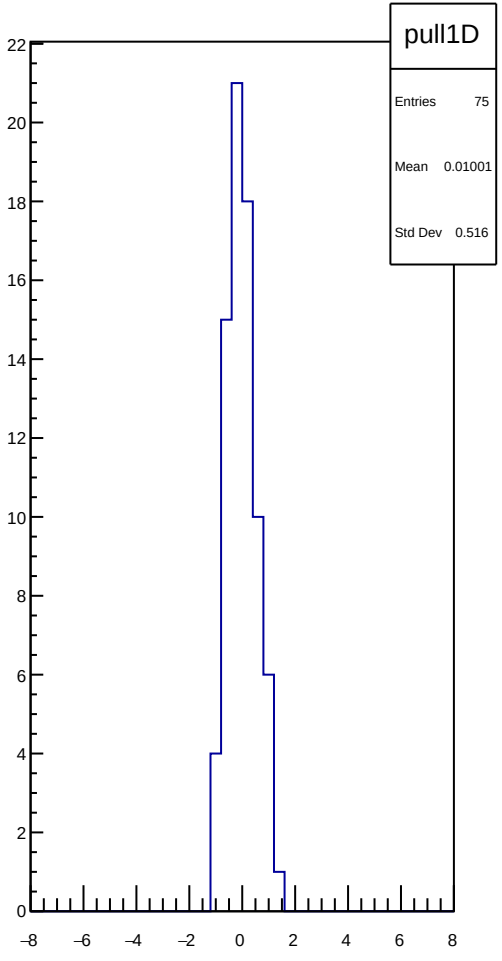

pull1D
Entries 75
Mean 0.009185
Std Dev 0.53

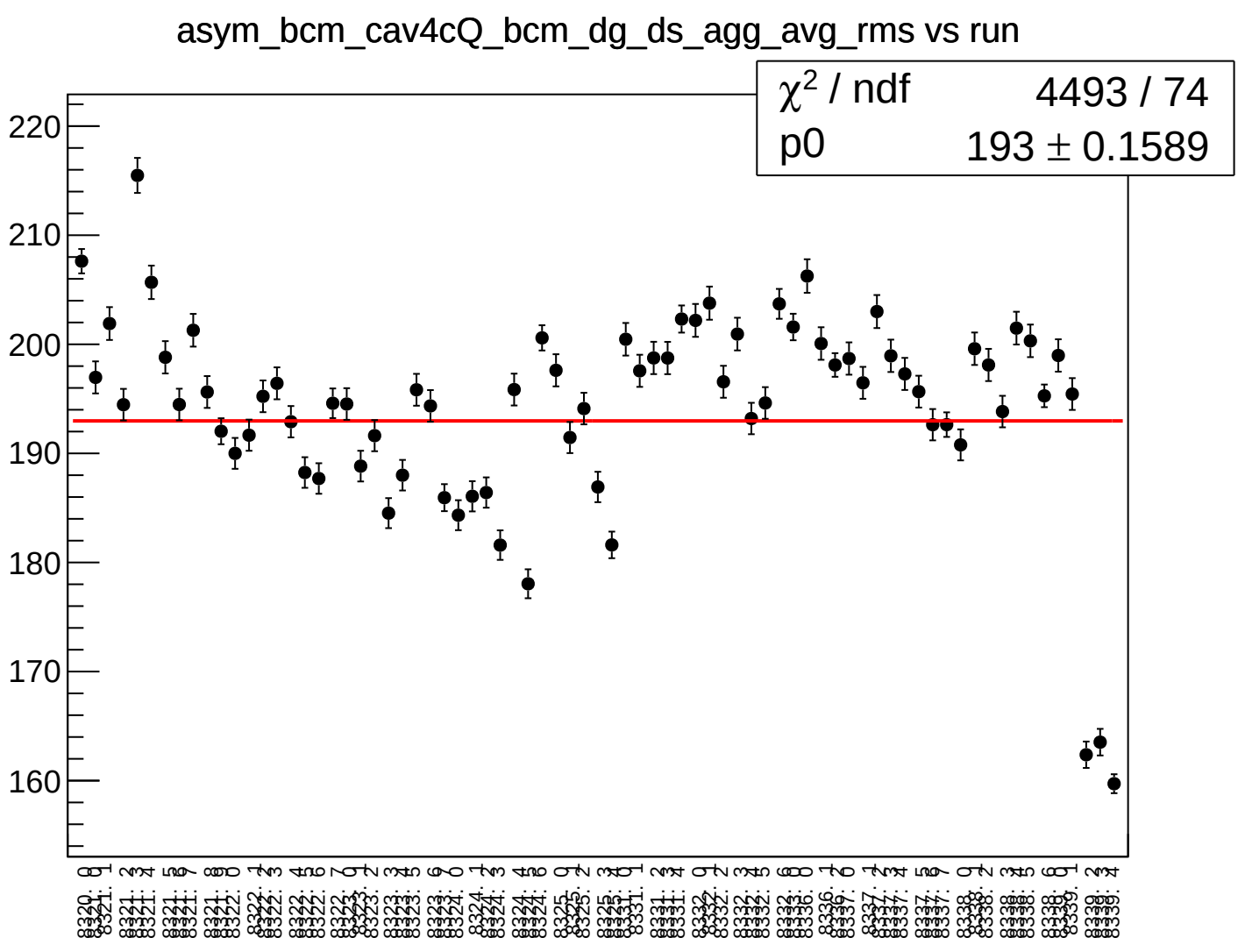

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 4356 / 74
p0 193.5 ± 0.1593
220
210
200
190
180
170
160

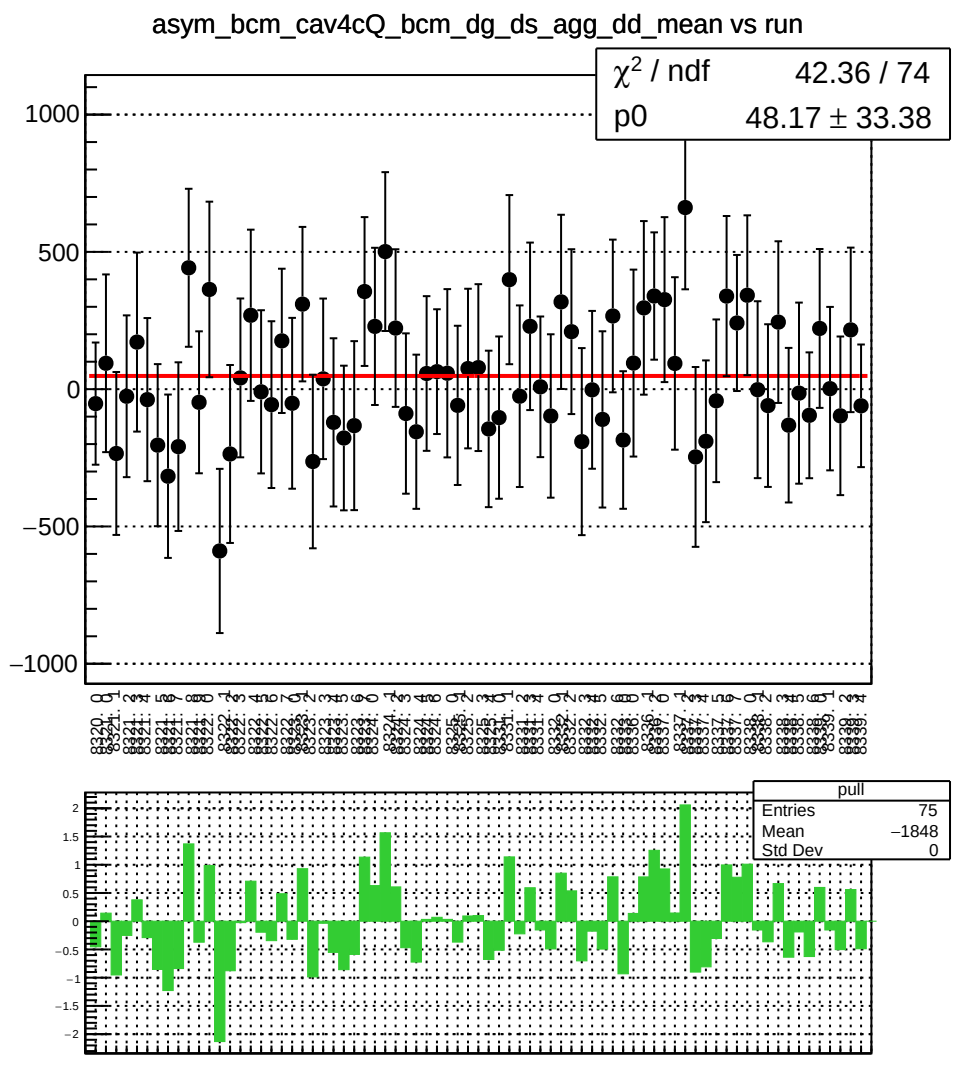

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 40.49 / 74
p0 33.68 ± 37.27
pull
Entries 75
Mean 575.7
Std Dev 0
pull1D
Entries 75
Mean 0.006207
Std Dev 0.7347

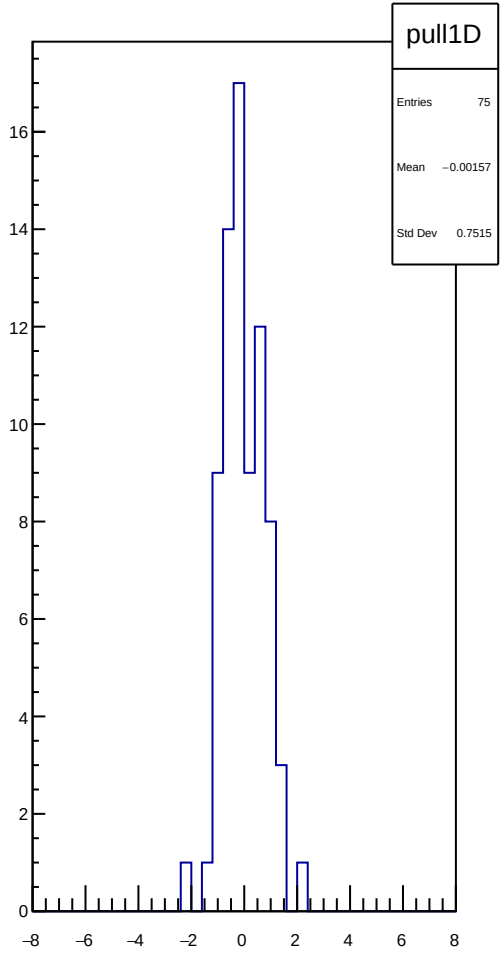

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2222 / 74
p0 32.03 ± 0.02635
36
35
34
33
32
31
30
29

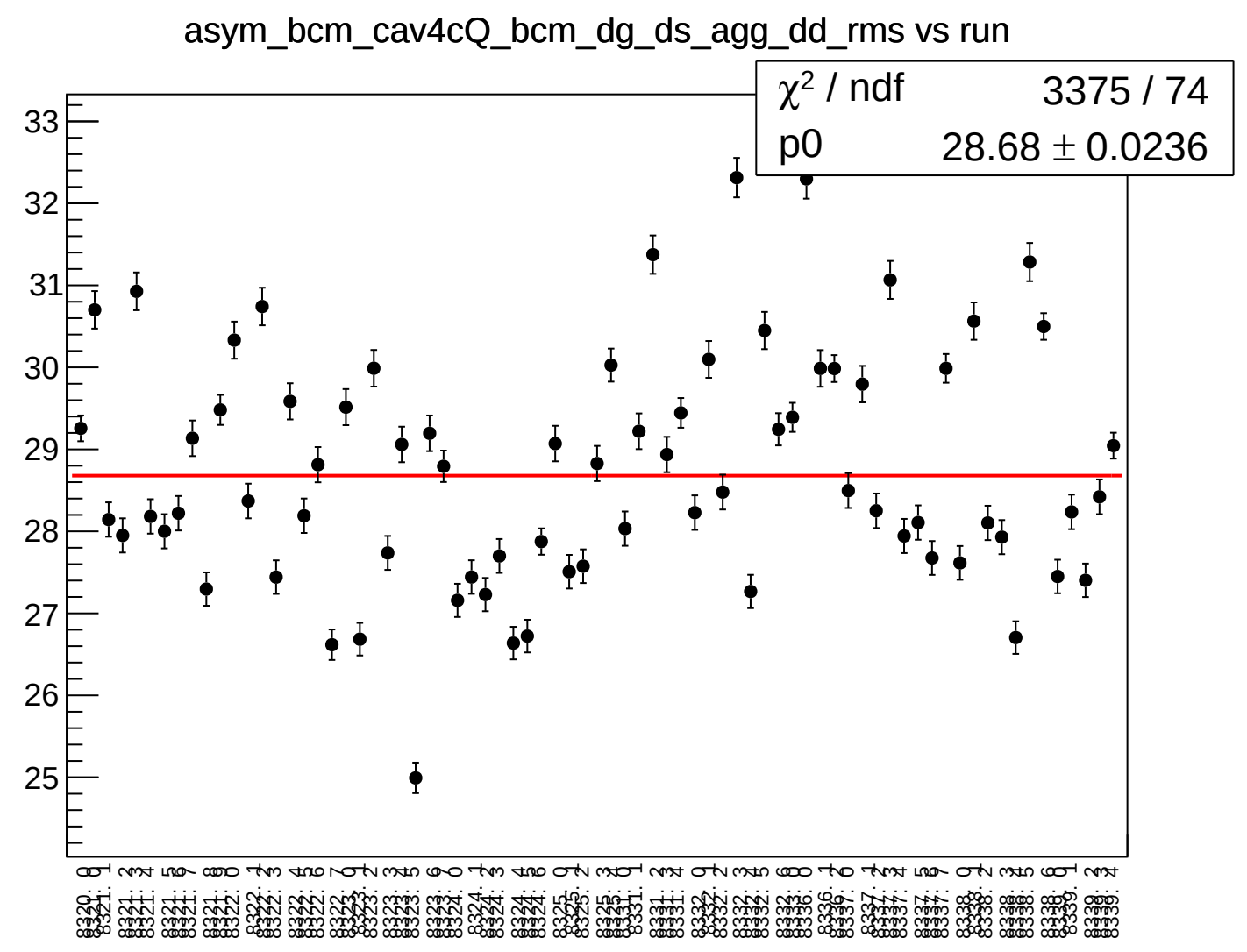

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 19.98 / 74
p0 653.2 ± 224.7
pull
Entries 75
Mean −132.1
Std Dev 0

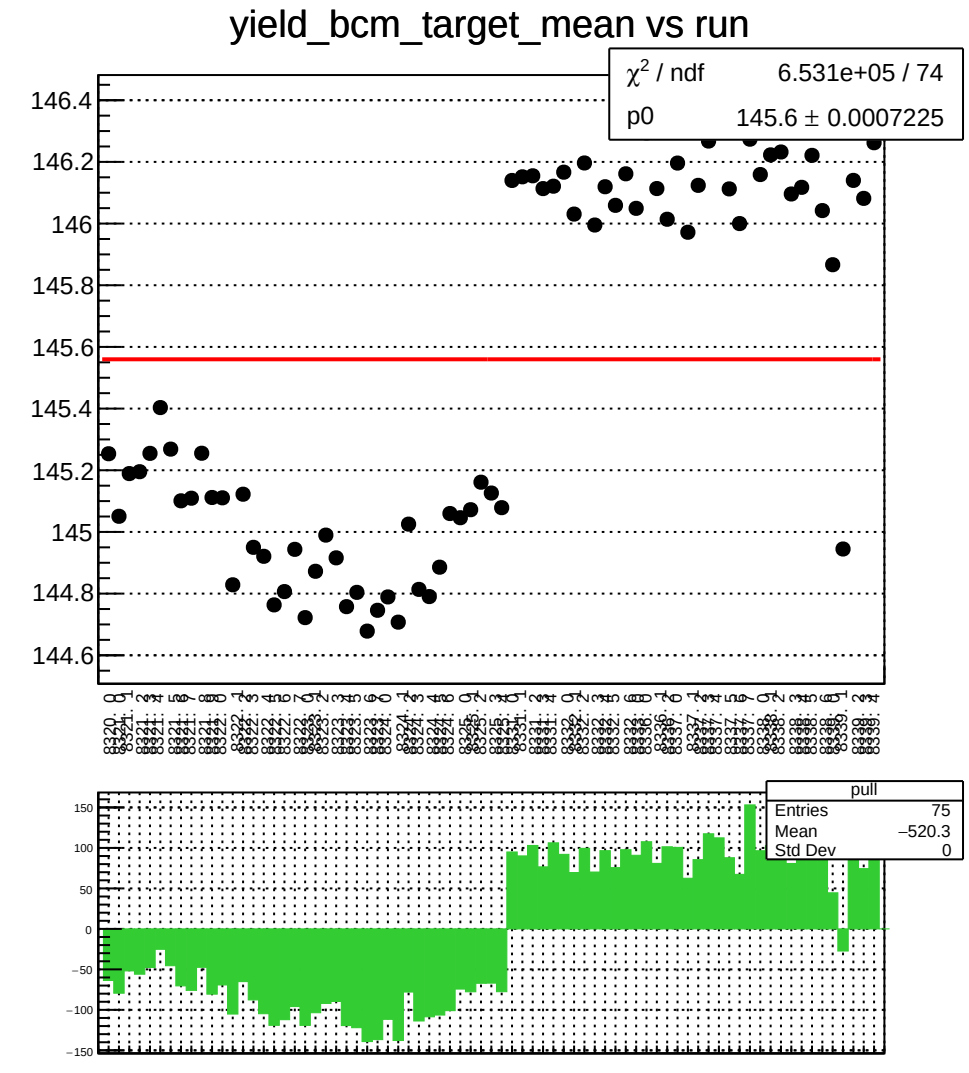

pull1D
Entries 75
Mean 0.01001
Std Dev 0.516

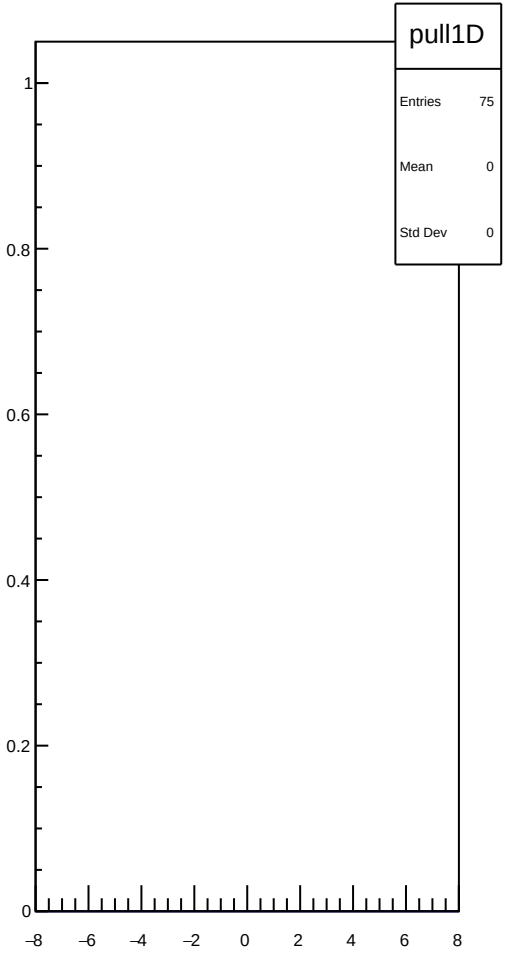

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4493 / 74
p0 193 ± 0.1589
220
210
200
190
180
170
160

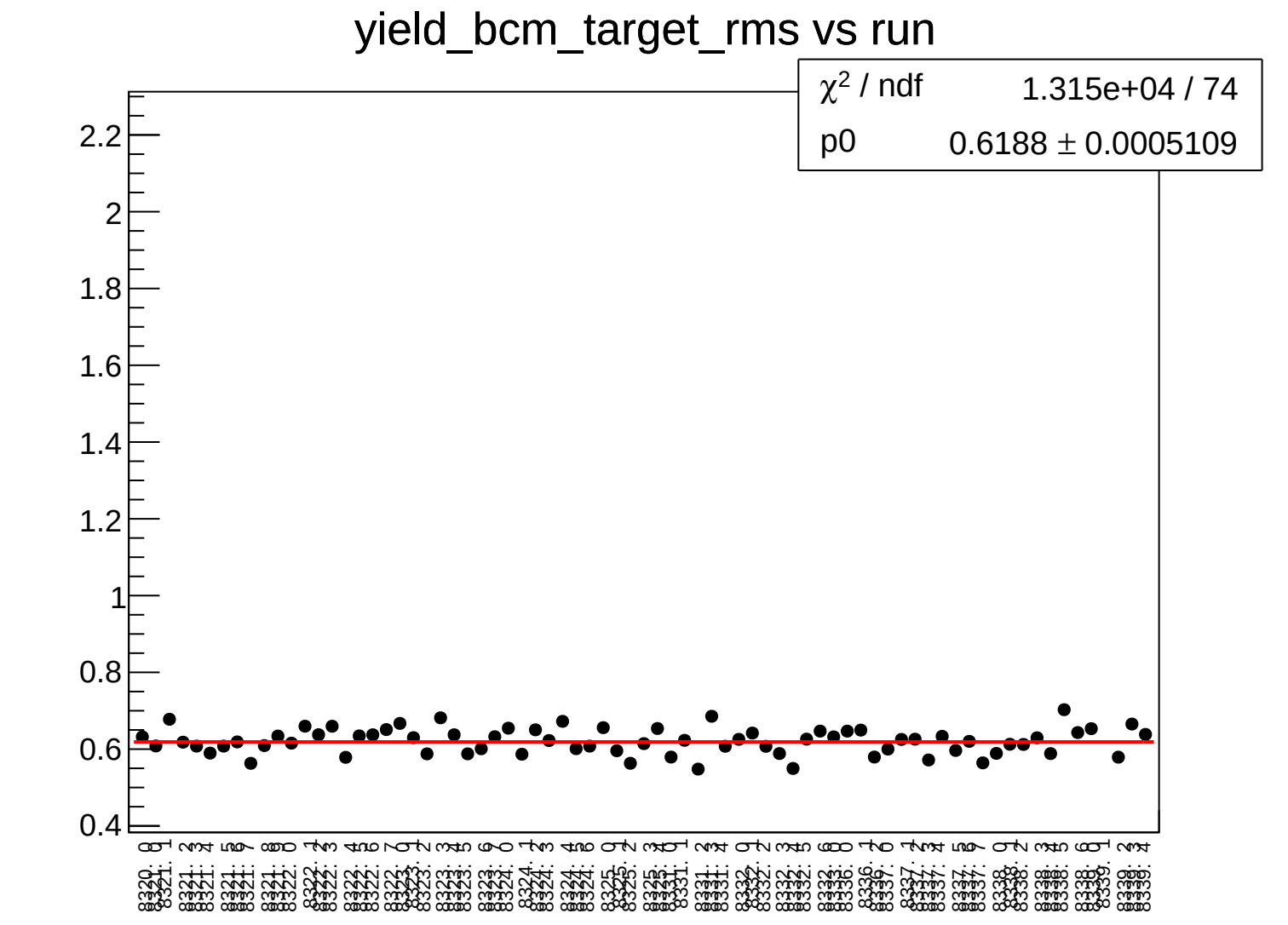

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 42.36 / 74
p0 48.17 ± 33.38
1000
500
0
−500
−1000
pull
Entries 75
Mean −1848
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

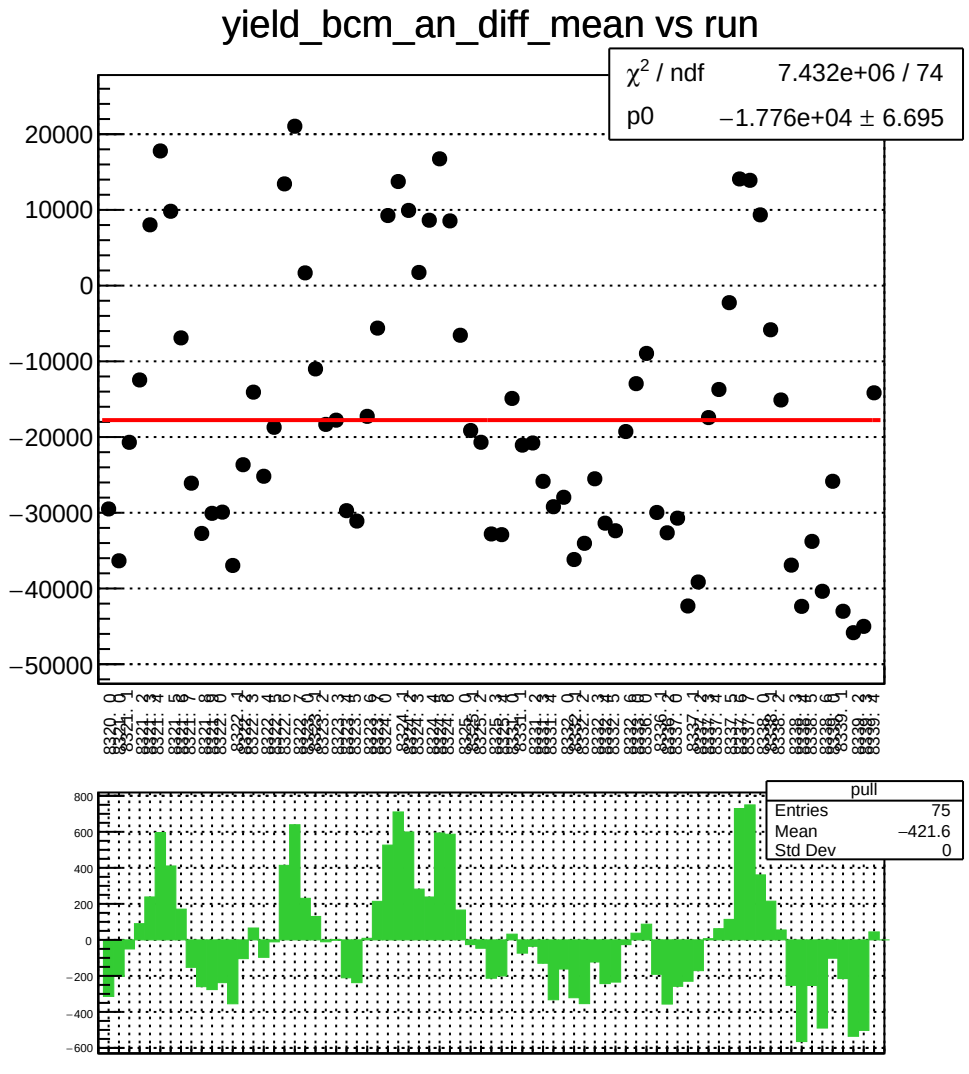

pull1D
Entries 75
Mean −0.00157
Std Dev 0.7515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

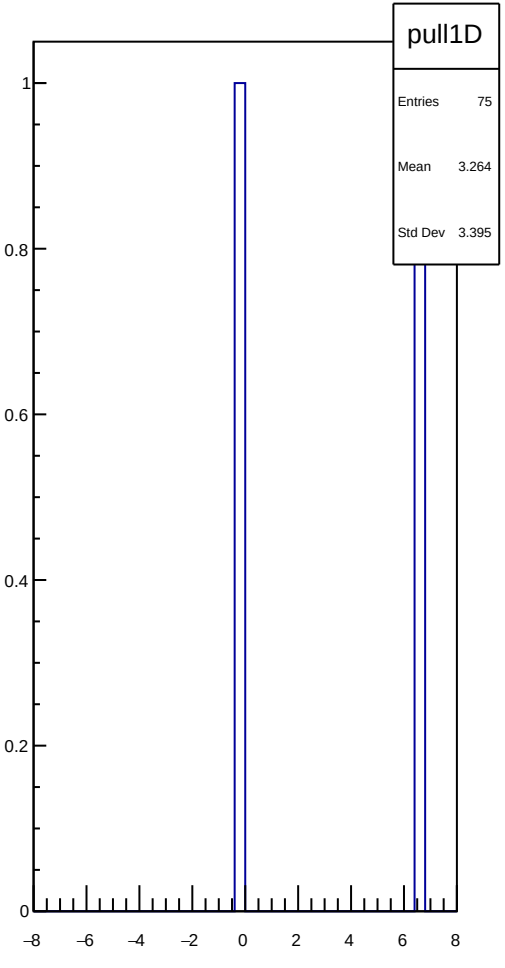

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 3375 / 74
p0 28.68 ± 0.0236
33
32
31
30
29
28
27
26
25

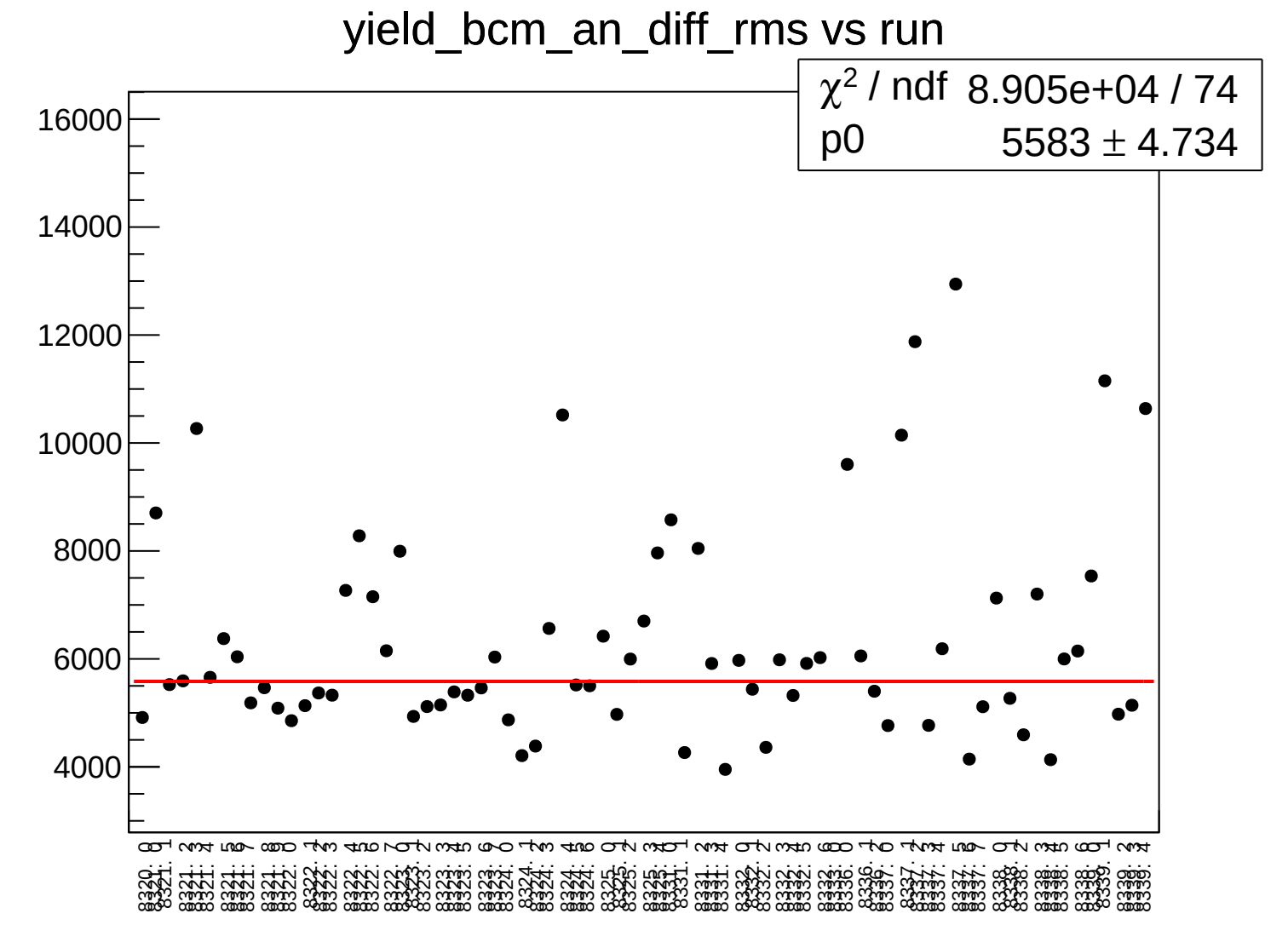

yield_bcm_target_mean vs run
χ² / ndf 6.531e+05 / 74
p0 145.6 ± 0.0007225
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 75
Mean −520.3
Std Dev 0
150
100
50
0
−50
−100
−150

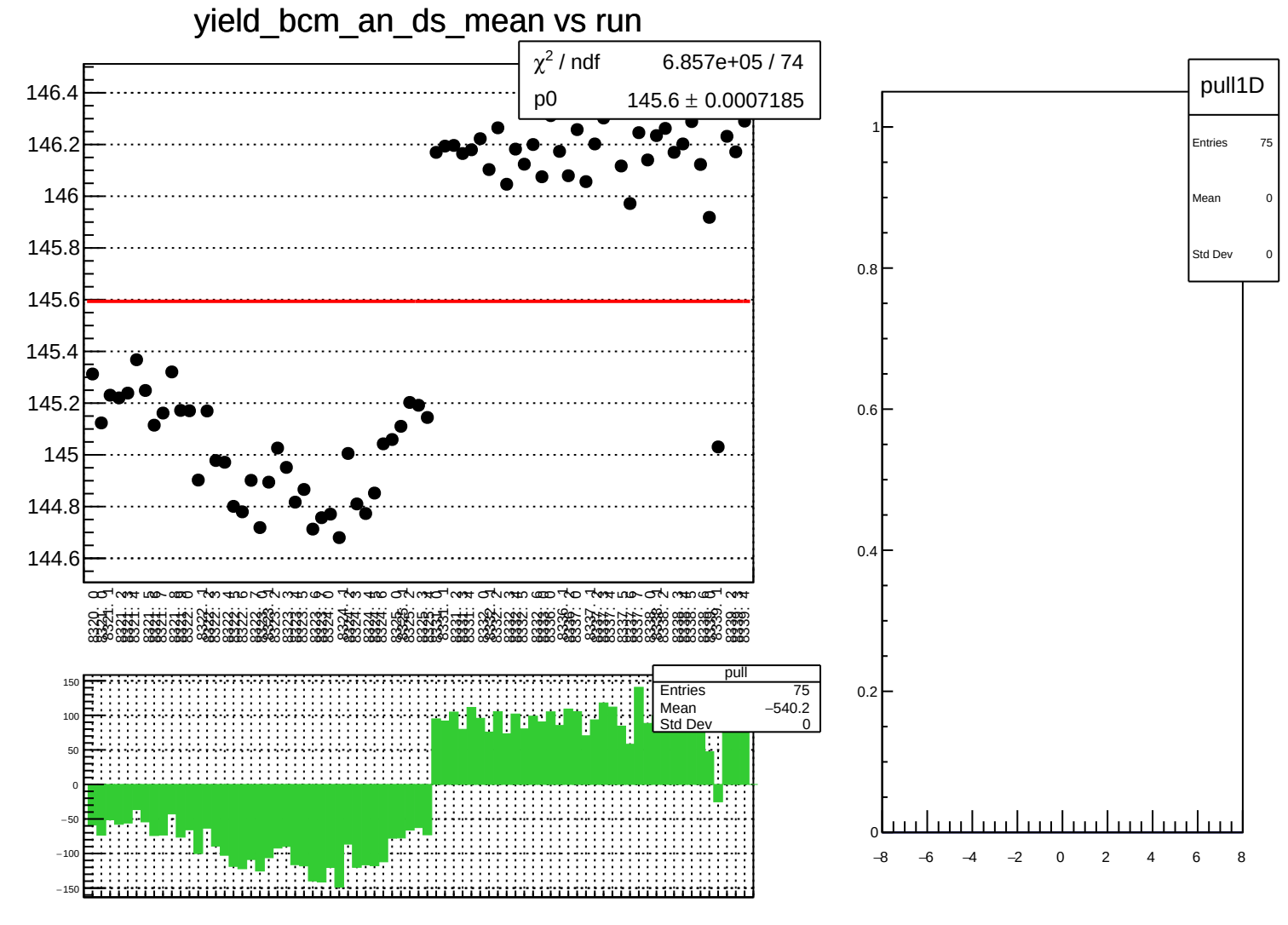

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

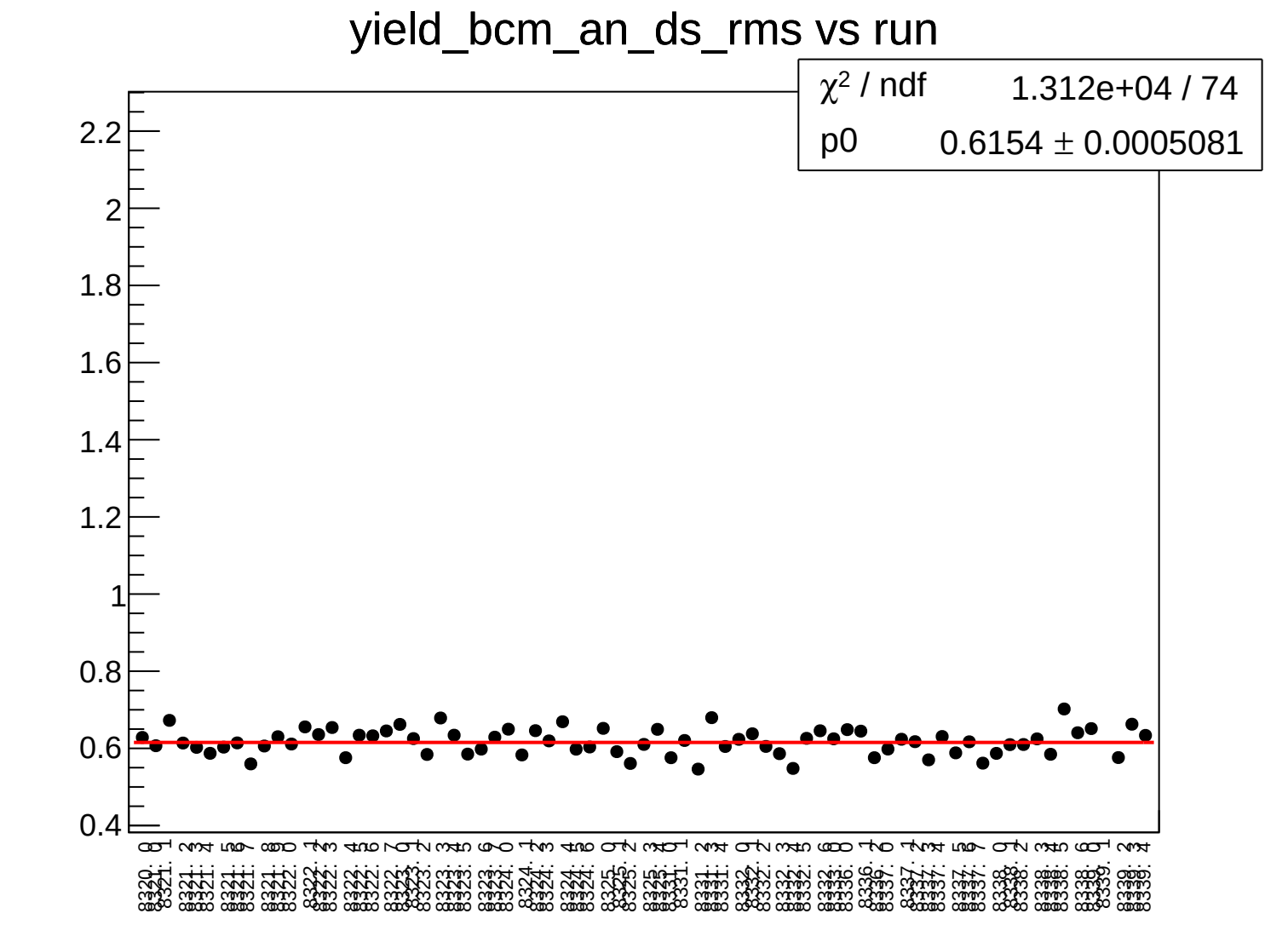

yield_bcm_target_rms vs run
χ² / ndf 1.315e+04 / 74
p0 0.6188 ± 0.0005109
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

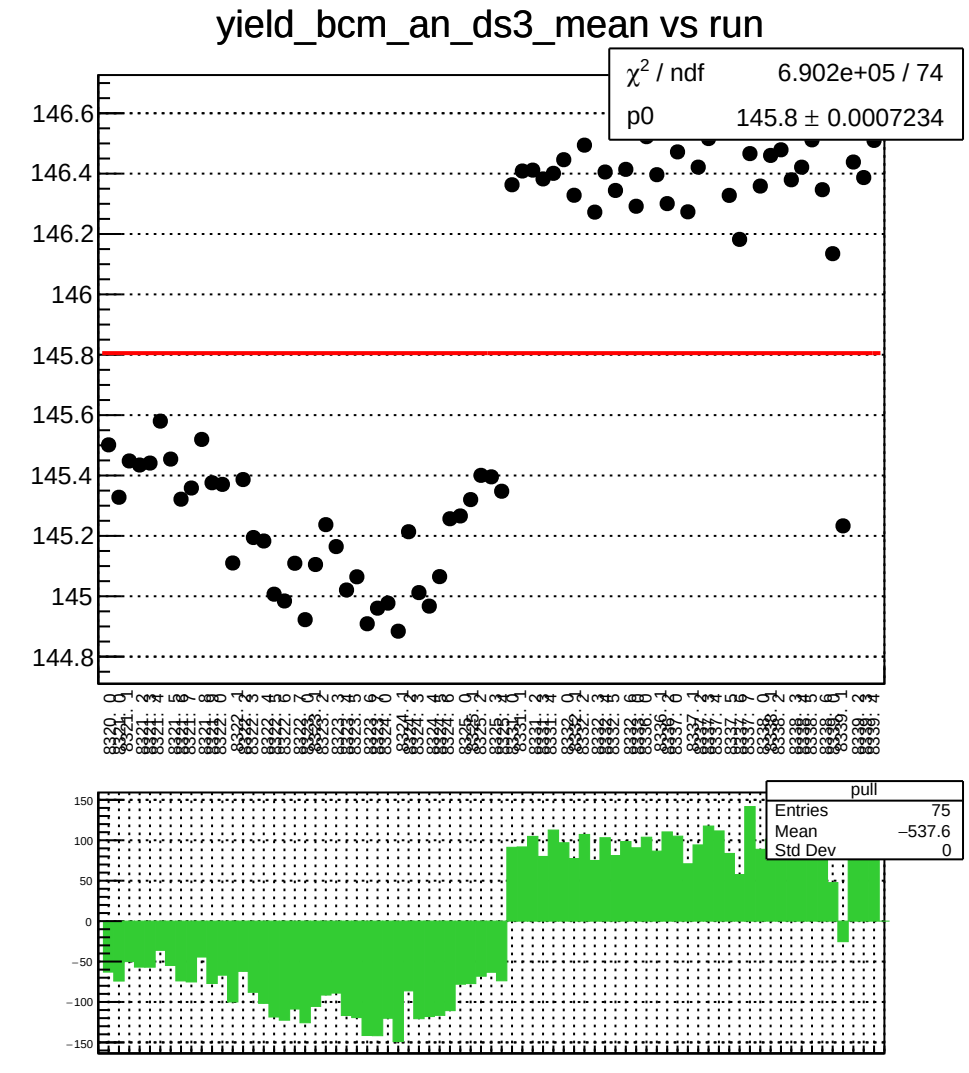

yield_bcm_an_diff_mean vs run
χ² / ndf 7.432e+06 / 74
p0 −1.776e+04 ± 6.695
pull
Entries 75
Mean −421.6
Std Dev 0

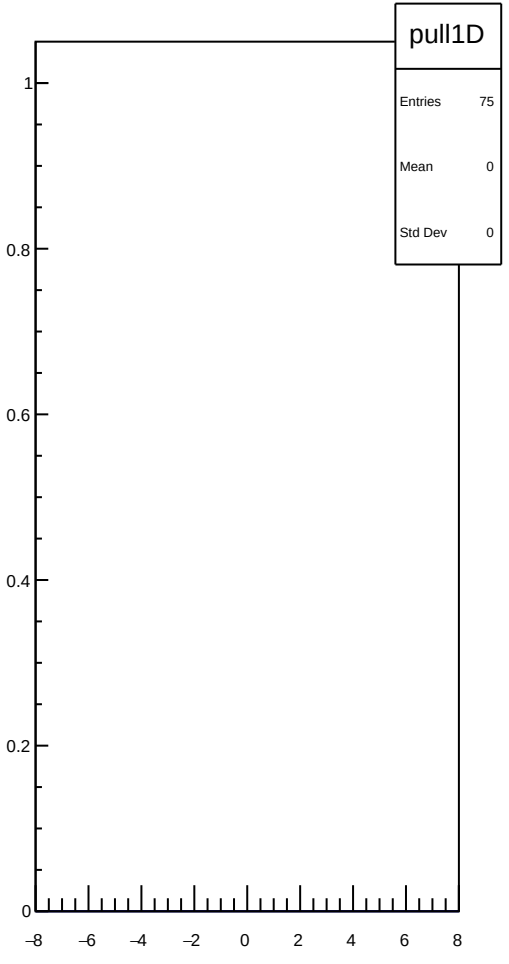

pull1D
Entries 75
Mean 3.264
Std Dev 3.395

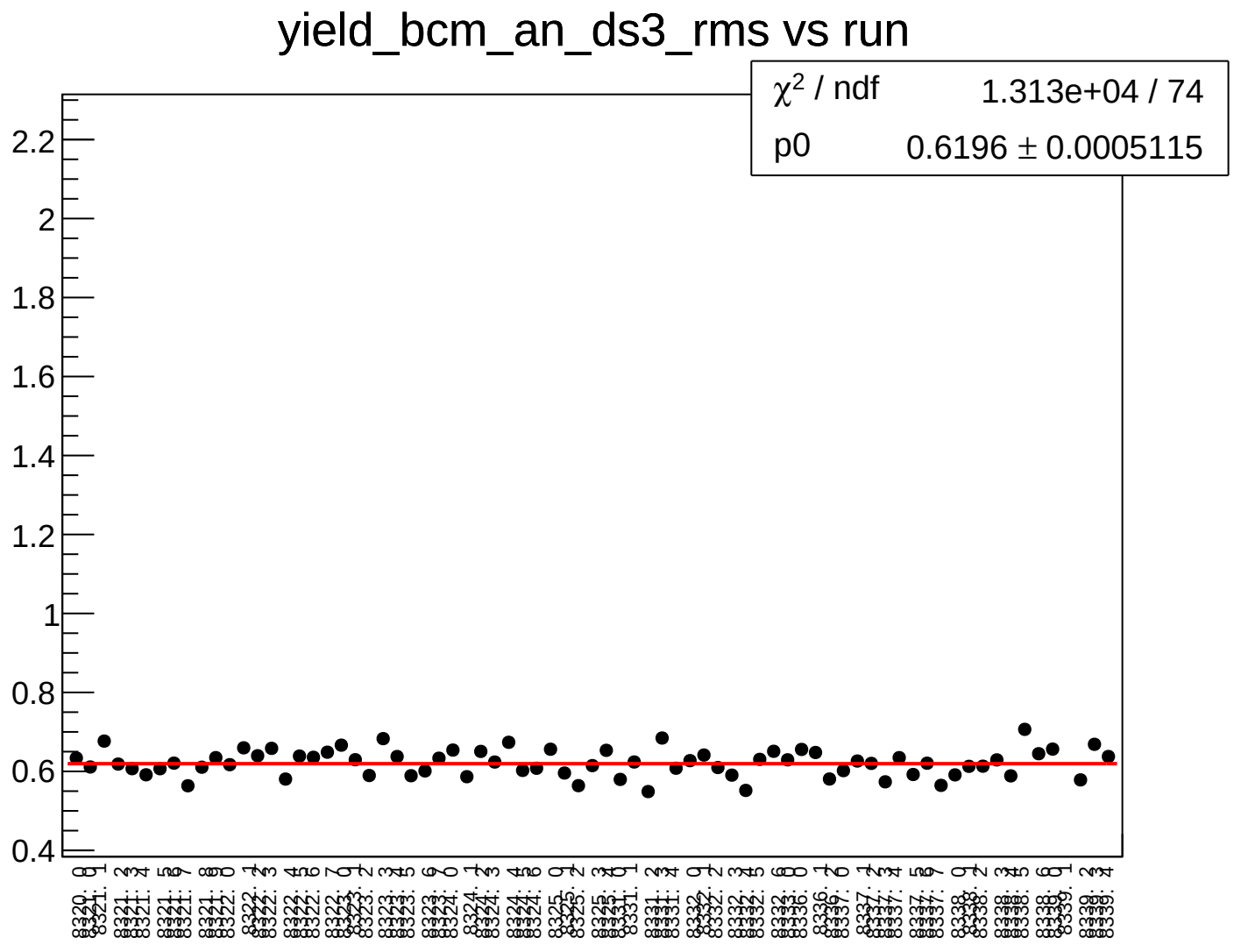

yield_bcm_an_diff_rms vs run
χ² / ndf 8.905e+04 / 74
p0 5583 ± 4.734
16000
14000
12000
10000
8000
6000
4000

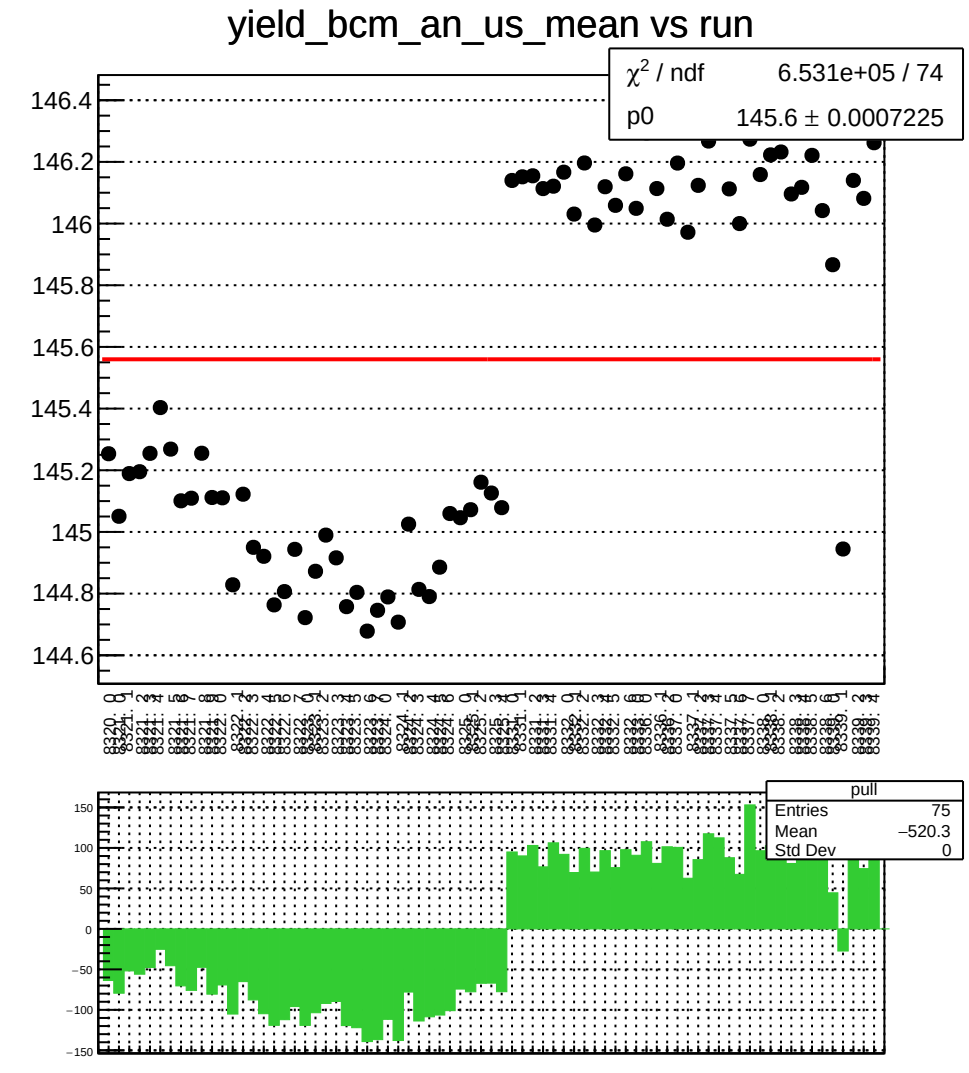

yield_bcm_an_ds_mean vs run
χ² / ndf 6.857e+05 / 74
p0 145.6 ± 0.0007185
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 75
Mean −540.2
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

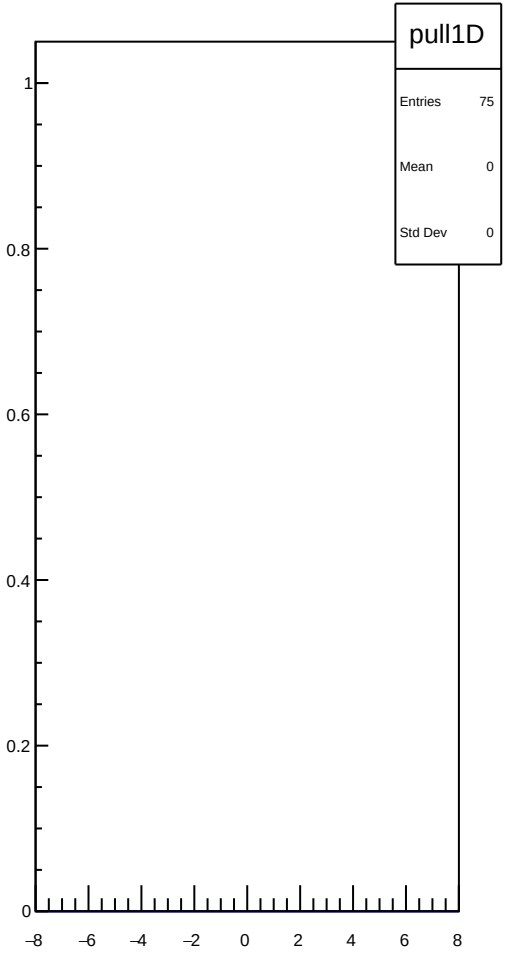

yield_bcm_an_ds_rms vs run
χ² / ndf 1.312e+04 / 74
p0 0.6154 ± 0.0005081
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

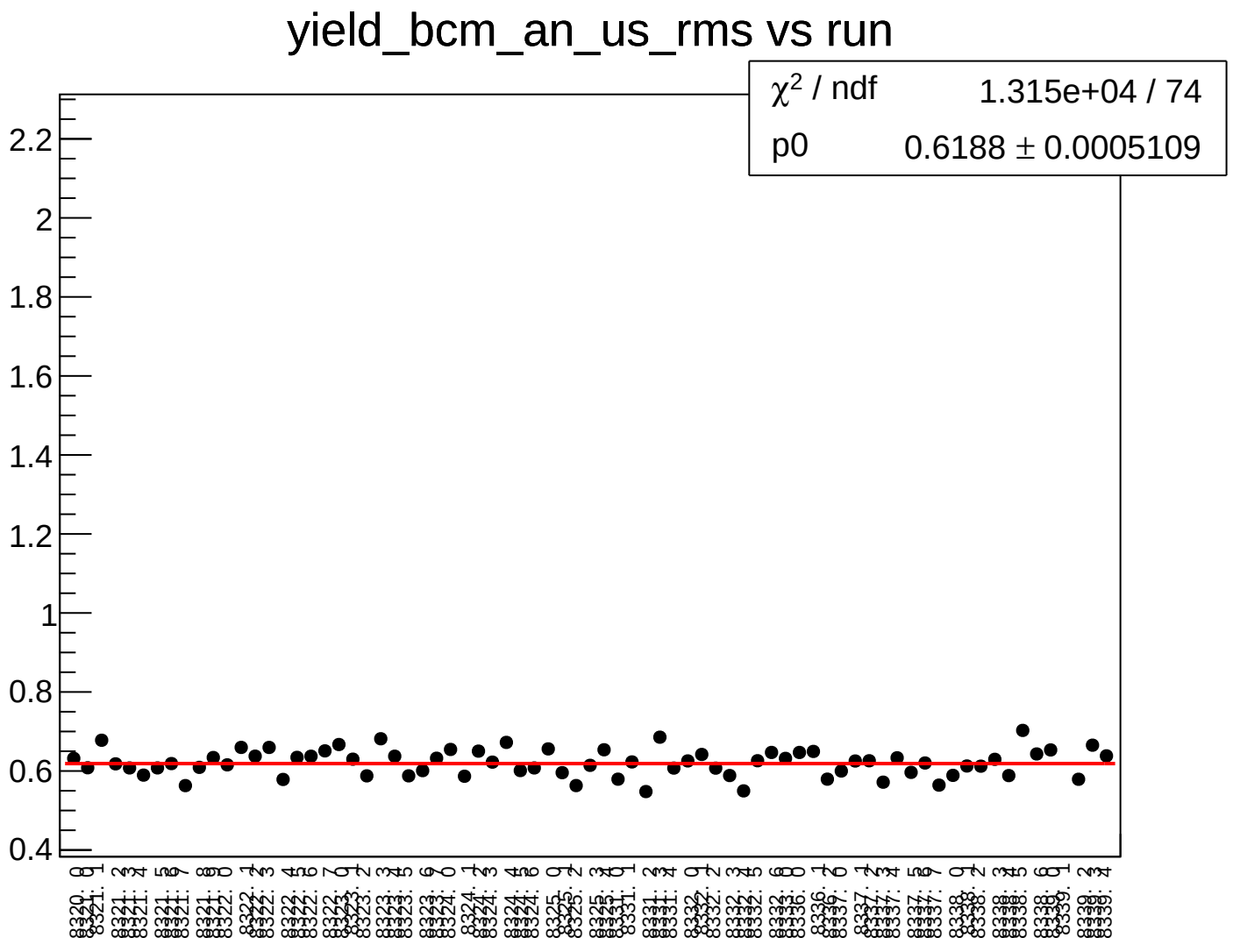

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.902e+05 / 74
p0 145.8 ± 0.0007234
146.6
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
pull
Entries 75
Mean −537.6
Std Dev 0
150
100
50
0
−50
−100
−150

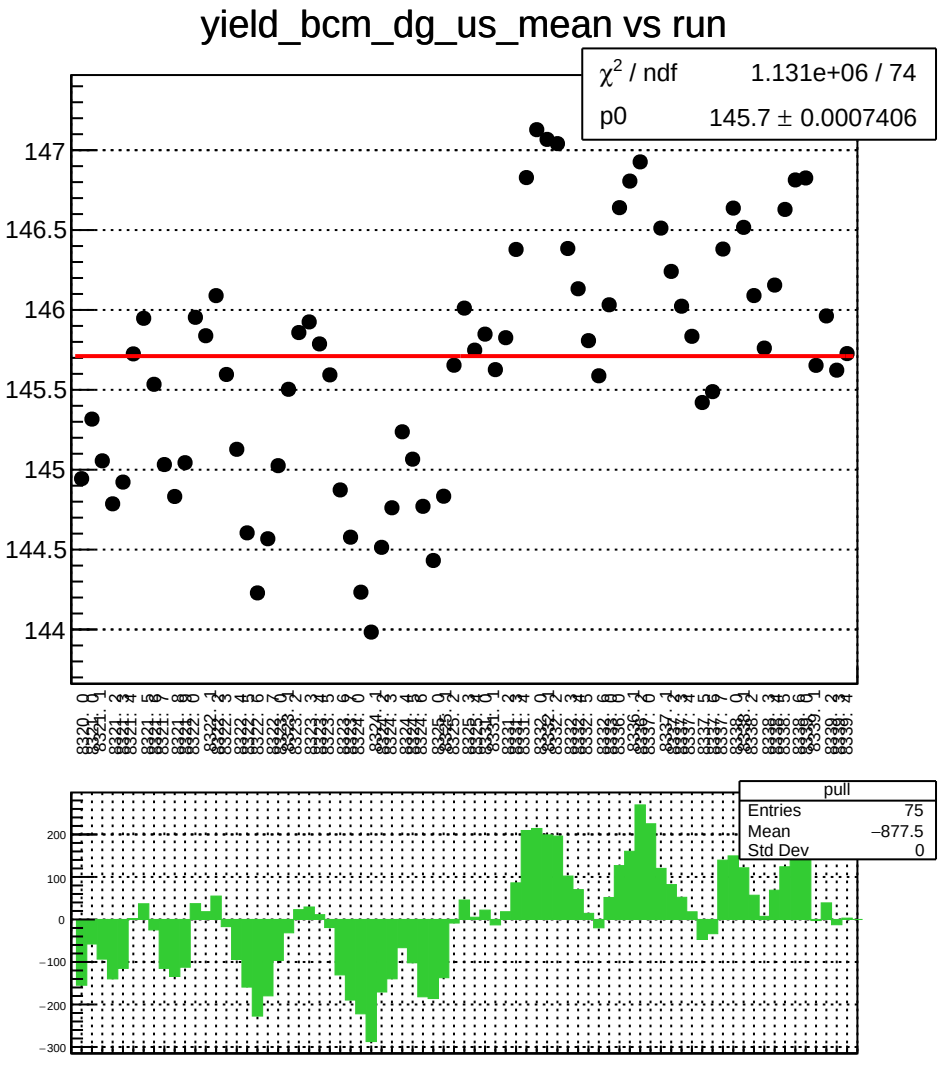

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

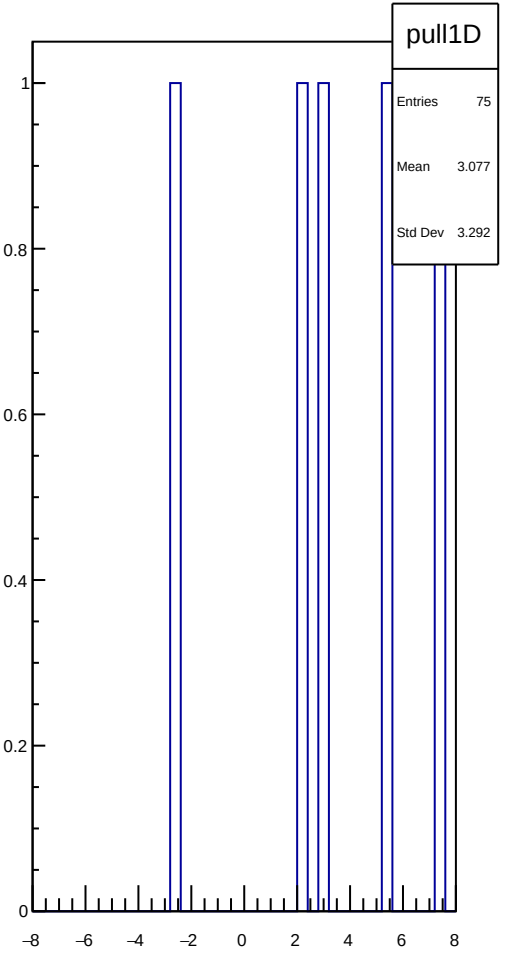

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.313e+04 / 74
p0 0.6196 ± 0.0005115
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

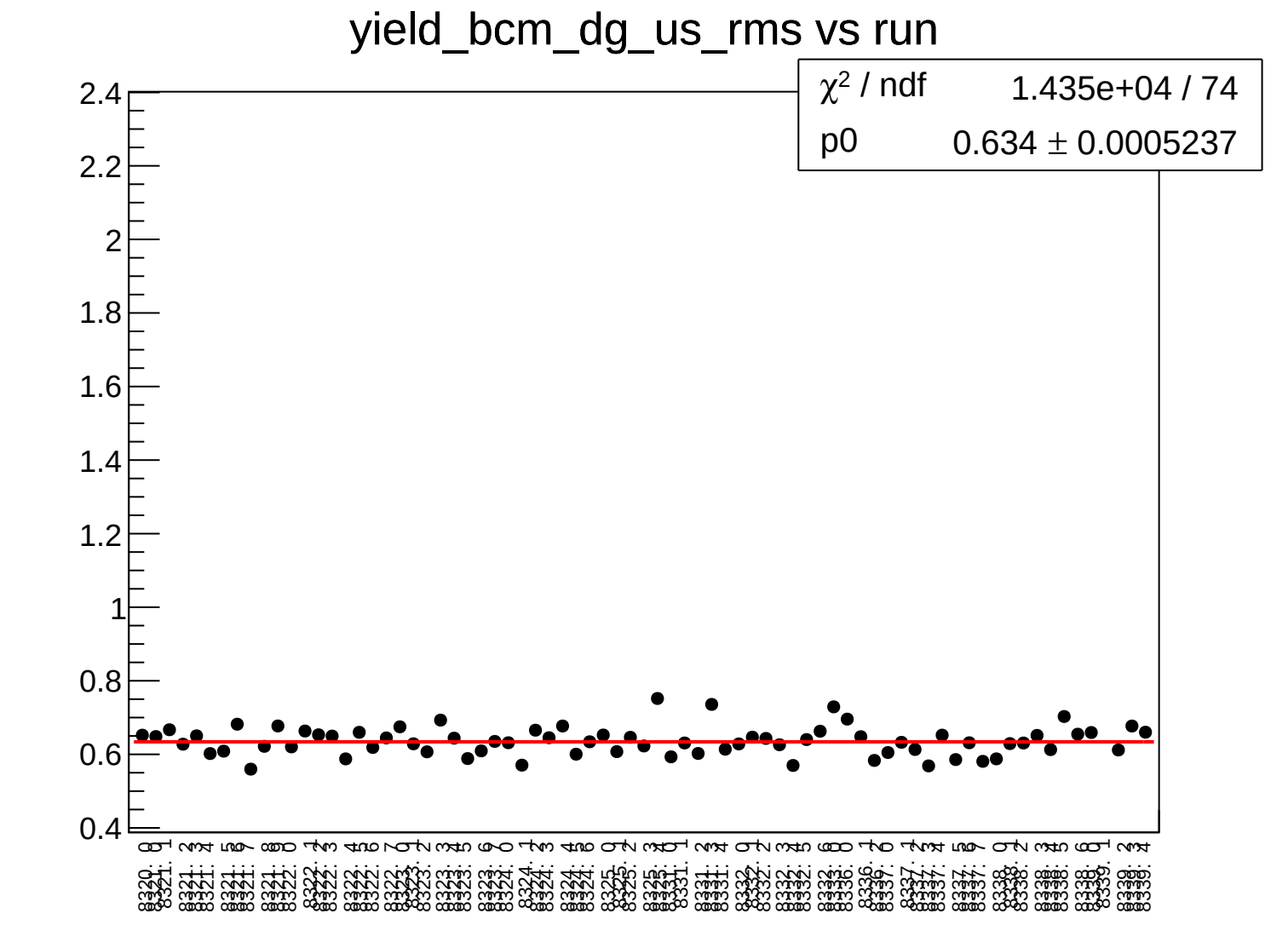

yield_bcm_an_us_mean vs run
χ² / ndf 6.531e+05 / 74
p0 145.6 ± 0.0007225
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
144.6
pull
Entries 75
Mean −520.3
Std Dev 0
150
100
50
0
−50
−100
−150

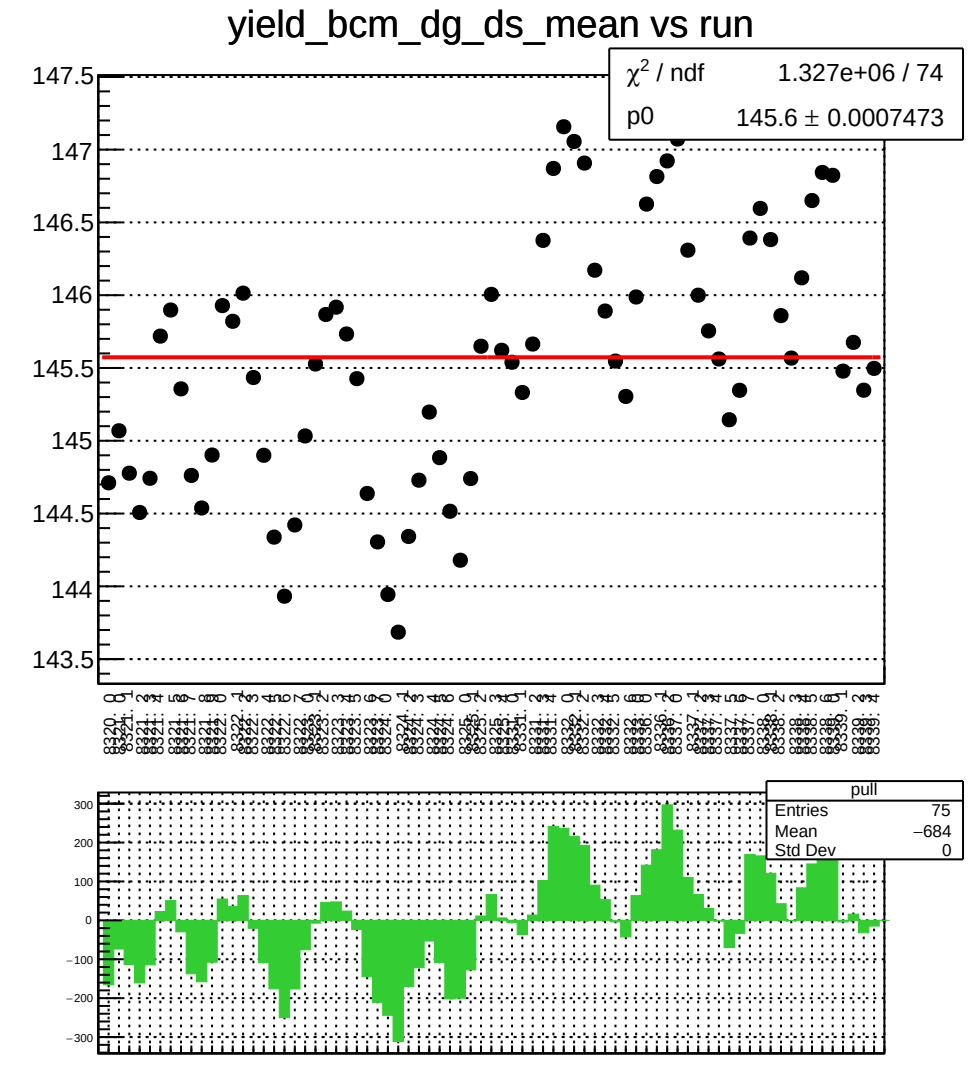

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

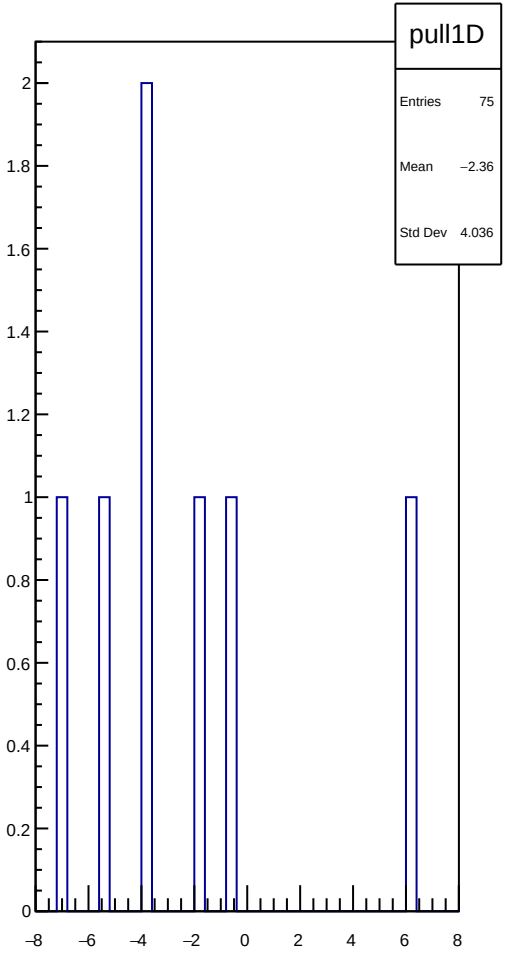

yield_bcm_an_us_rms vs run
χ^2 / ndf 1.315e+04 / 74
p0 0.6188 ± 0.0005109
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

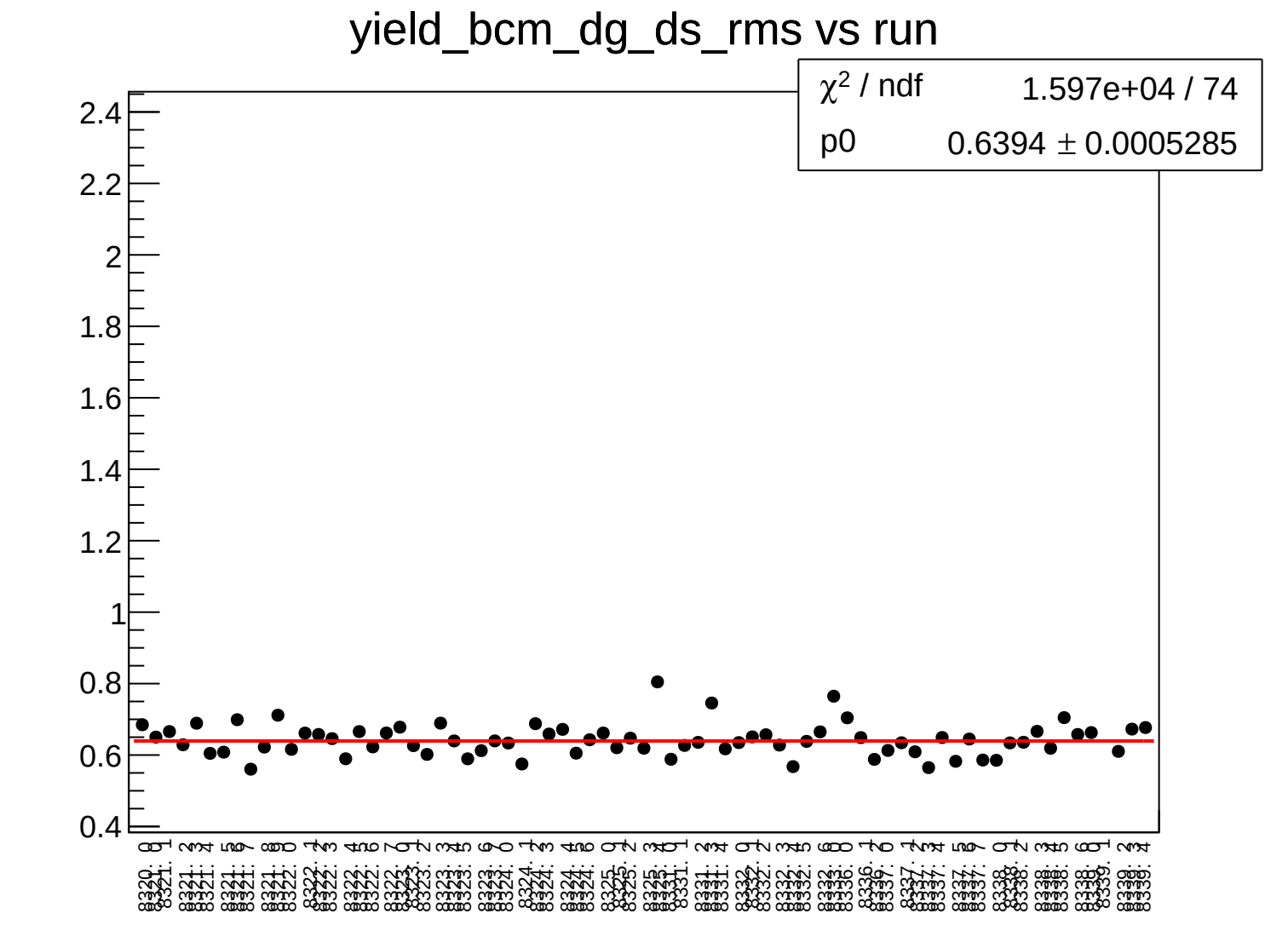

yield_bcm_dg_us_mean vs run
χ² / ndf 1.131e+06 / 74
p0 145.7 ± 0.0007406
147
146.5
146
145.5
145
144.5
144
pull
Entries 75
Mean −877.5
Std Dev 0
200
100
0
−100
−200
−300

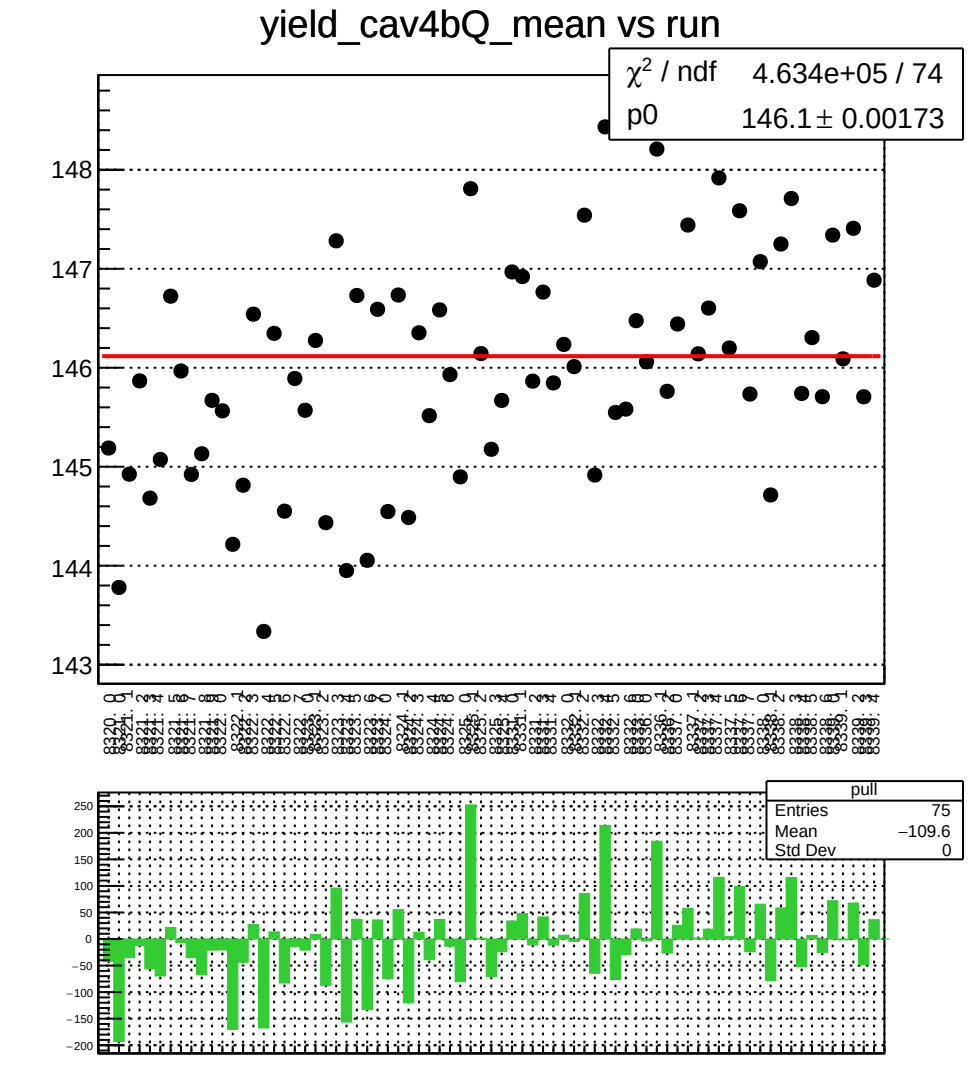

pull1D
Entries 75
Mean 3.077
Std Dev 3.292
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

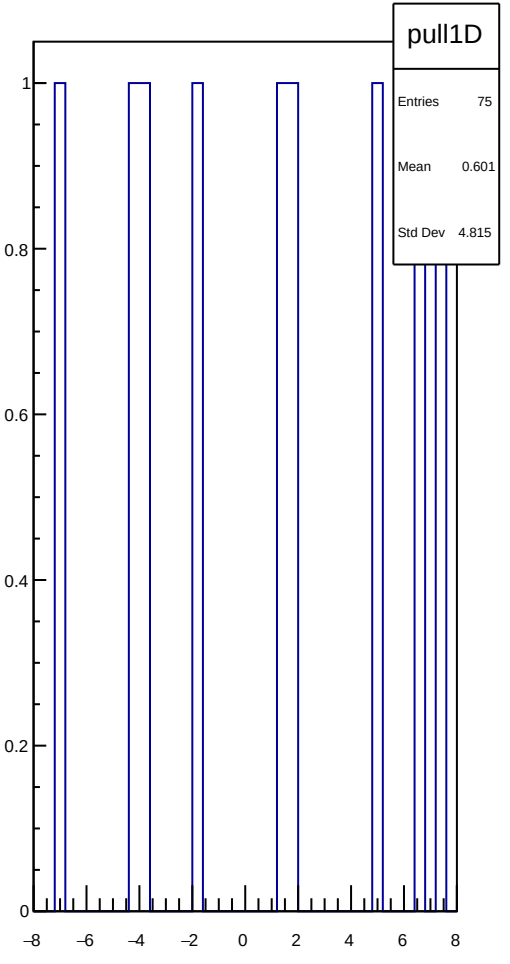

yield_bcm_dg_us_rms vs run
χ² / ndf 1.435e+04 / 74
p0 0.634 ± 0.0005237
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

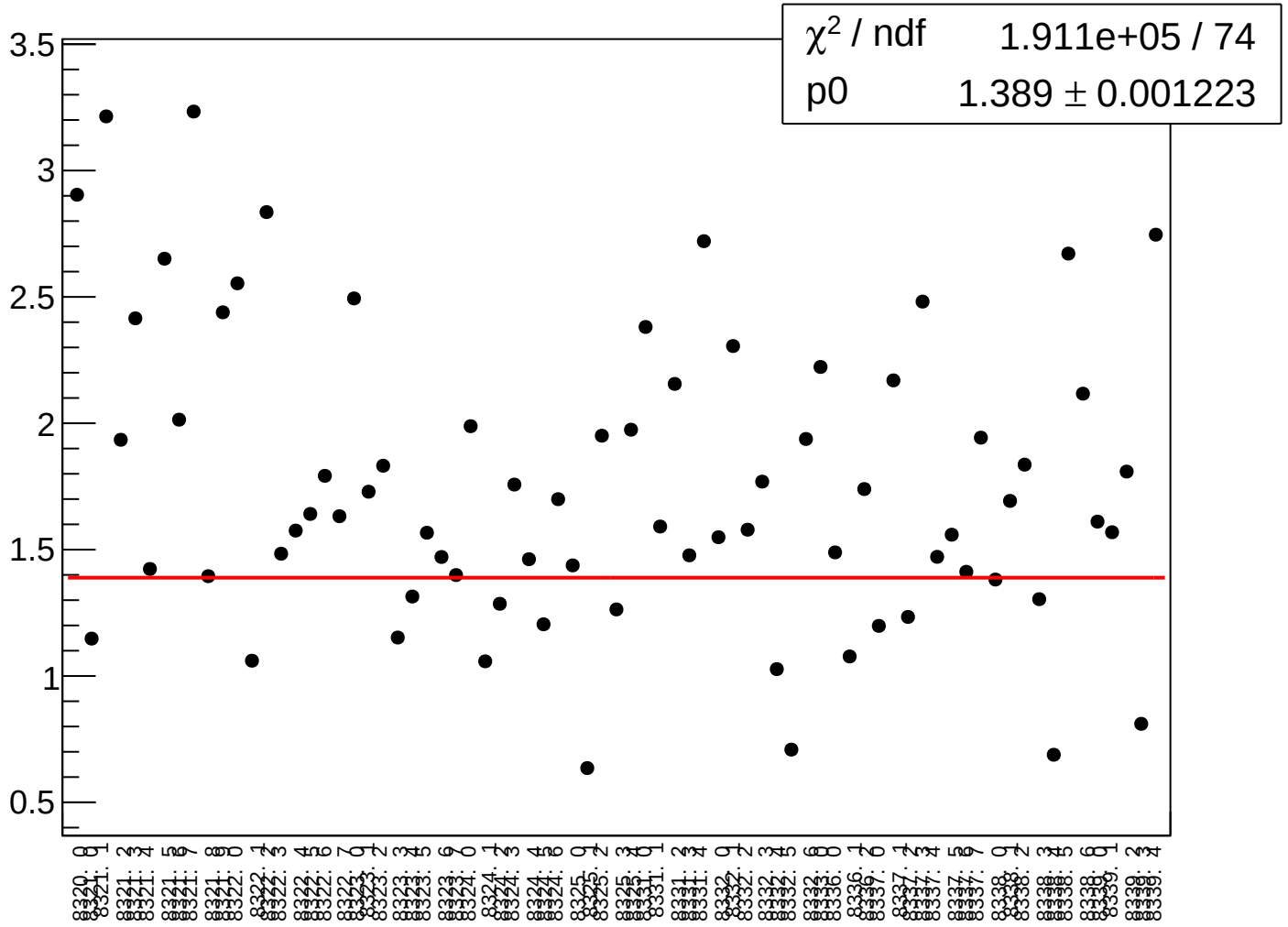

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.327e+06 / 74
p0 145.6 ± 0.0007473
147.5
147
146.5
146
145.5
145
144.5
144
143.5
pull
Entries 75
Mean −684
Std Dev 0
300
200
100
0
−100
−200
−300

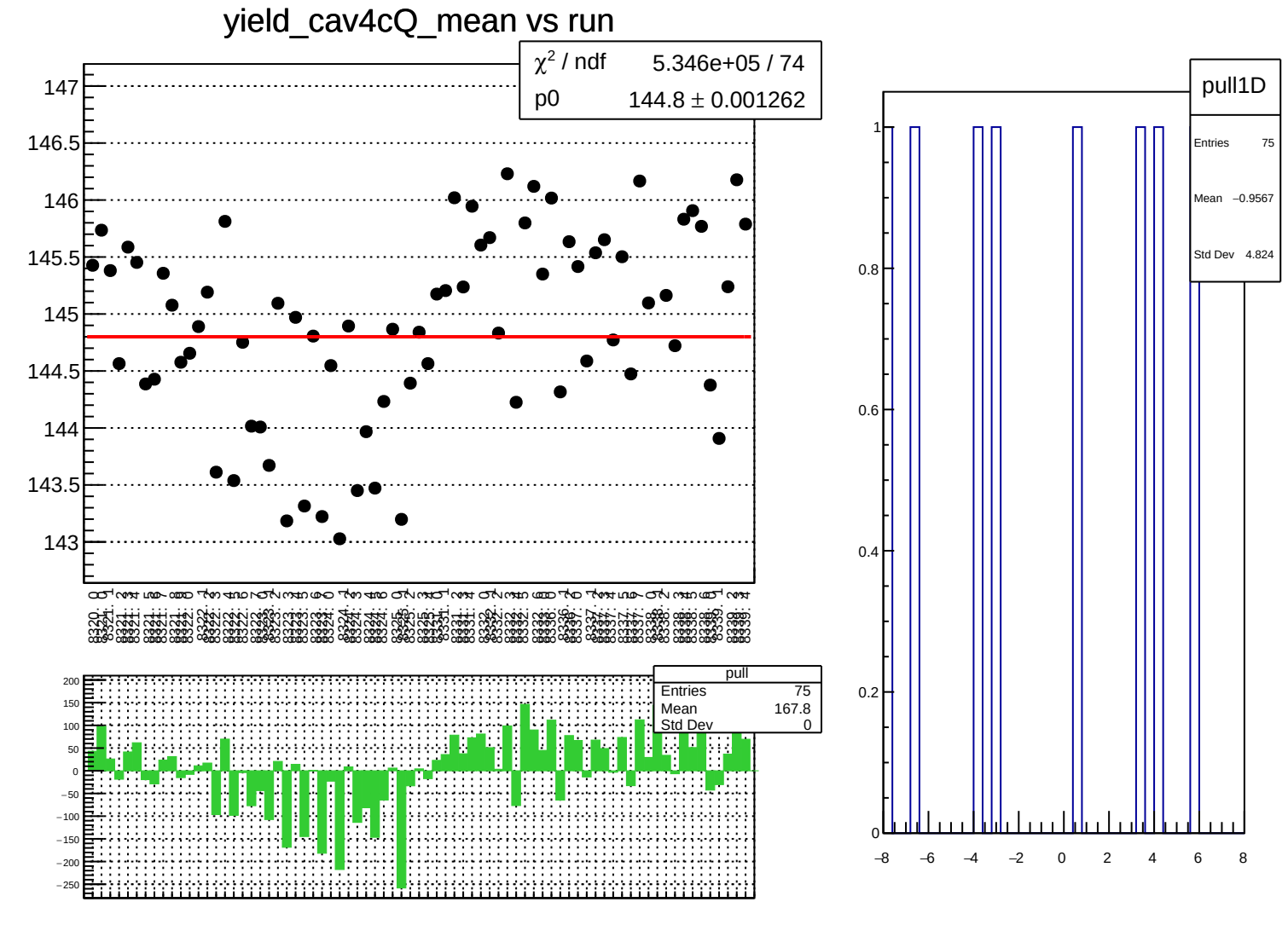

pull1D
Entries 75
Mean −2.36
Std Dev 4.036
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

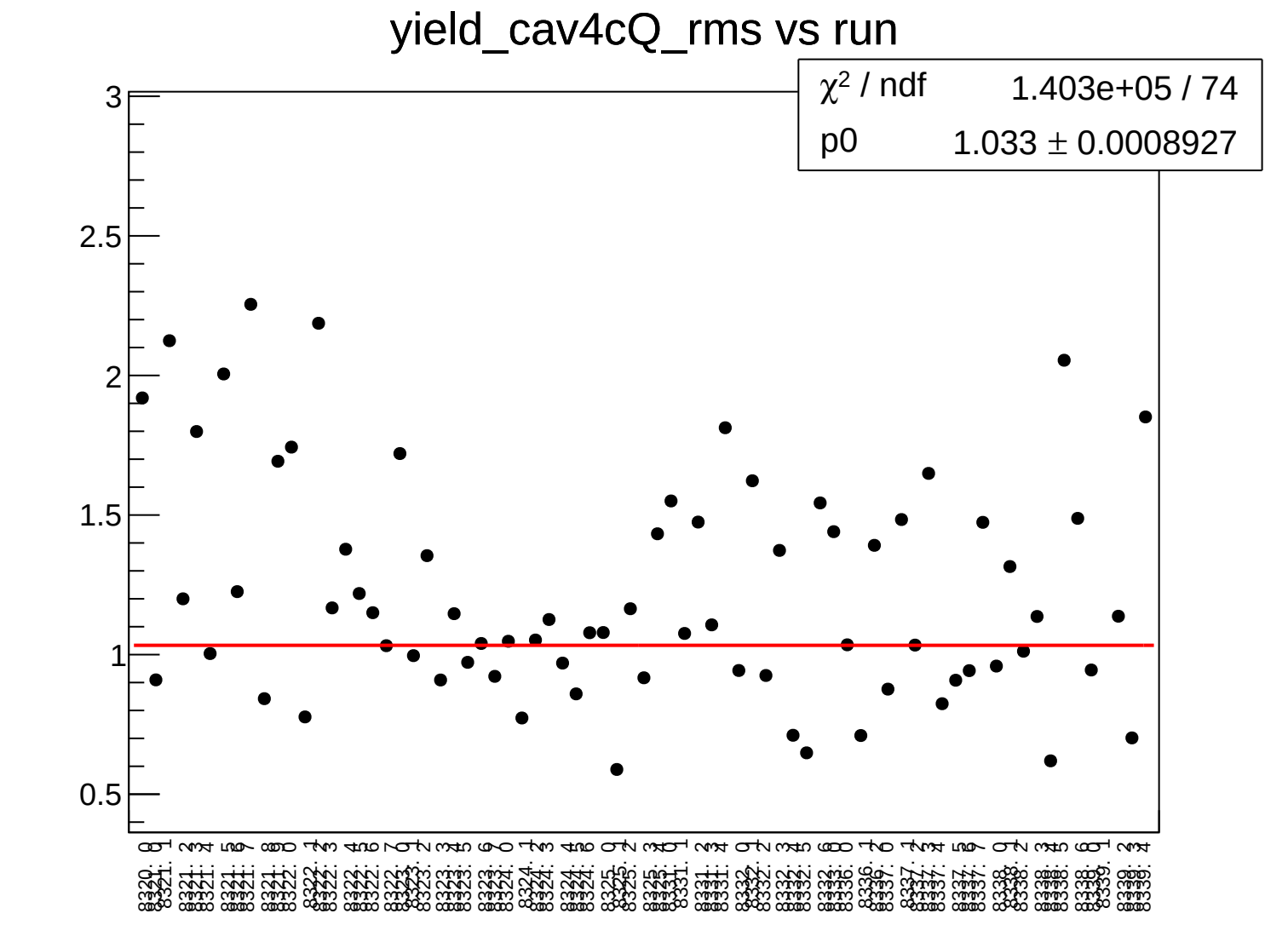

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.597e+04 / 74
p0 0.6394 ± 0.0005285
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4

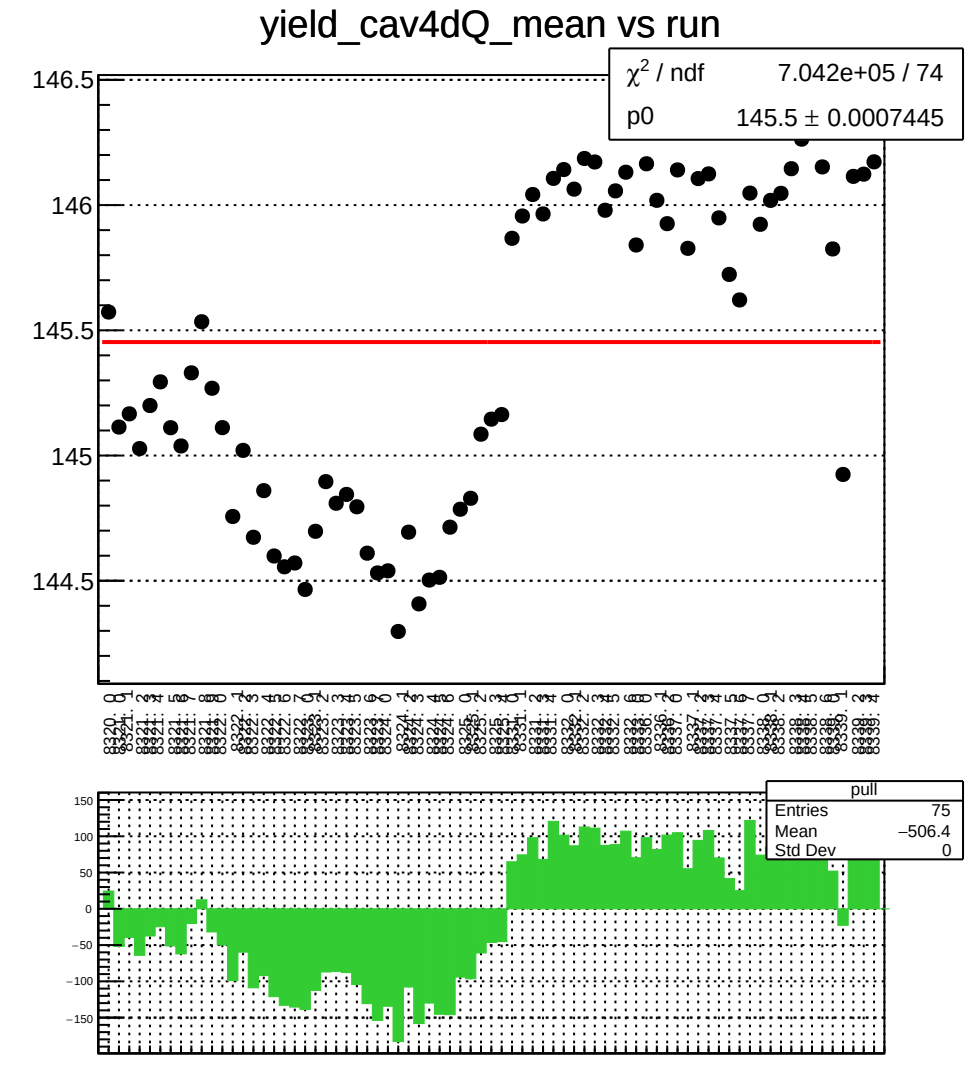

yield_cav4bQ_mean vs run
χ² / ndf 4.634e+05 / 74
p0 146.1 ± 0.00173
148
147
146
145
144
143
pull
Entries 75
Mean −109.6
Std Dev 0
250
200
150
100
50
0
−50
−100
−150
−200

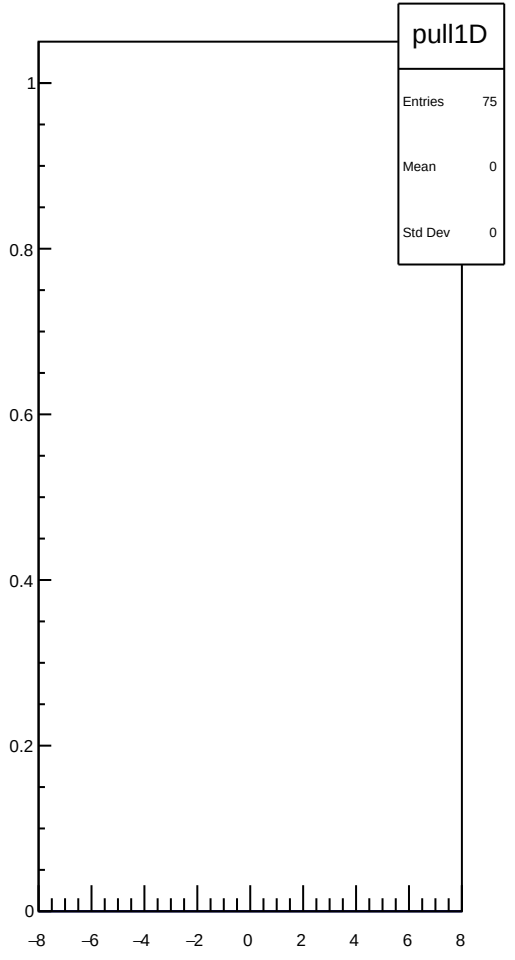

pull1D
Entries 75
Mean 0.601
Std Dev 4.815
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

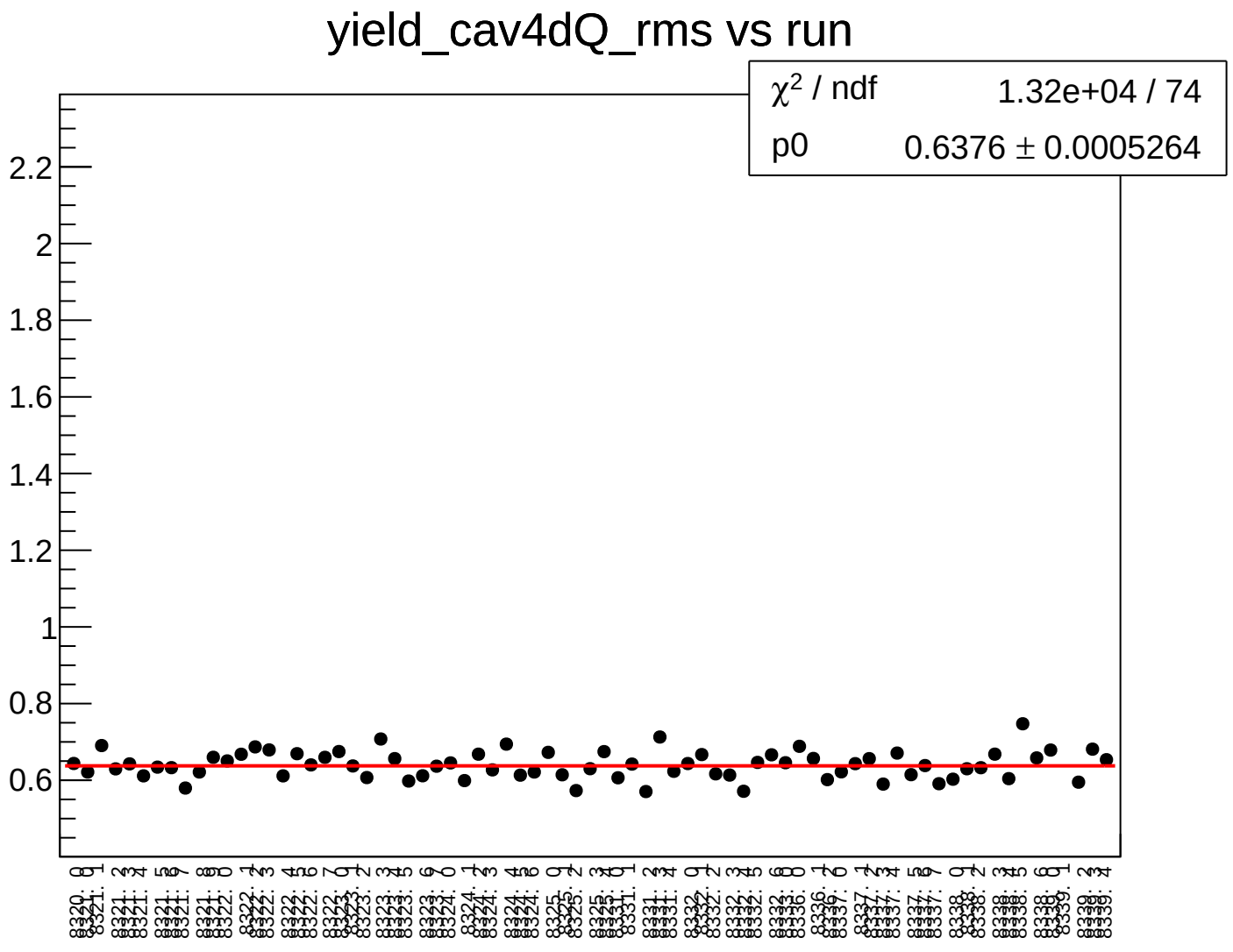

yield_cav4bQ_rms vs run
χ² / ndf 1.911e+05 / 74
p0 1.389 ± 0.001223
3.5
3
2.5
2
1.5
1
0.5

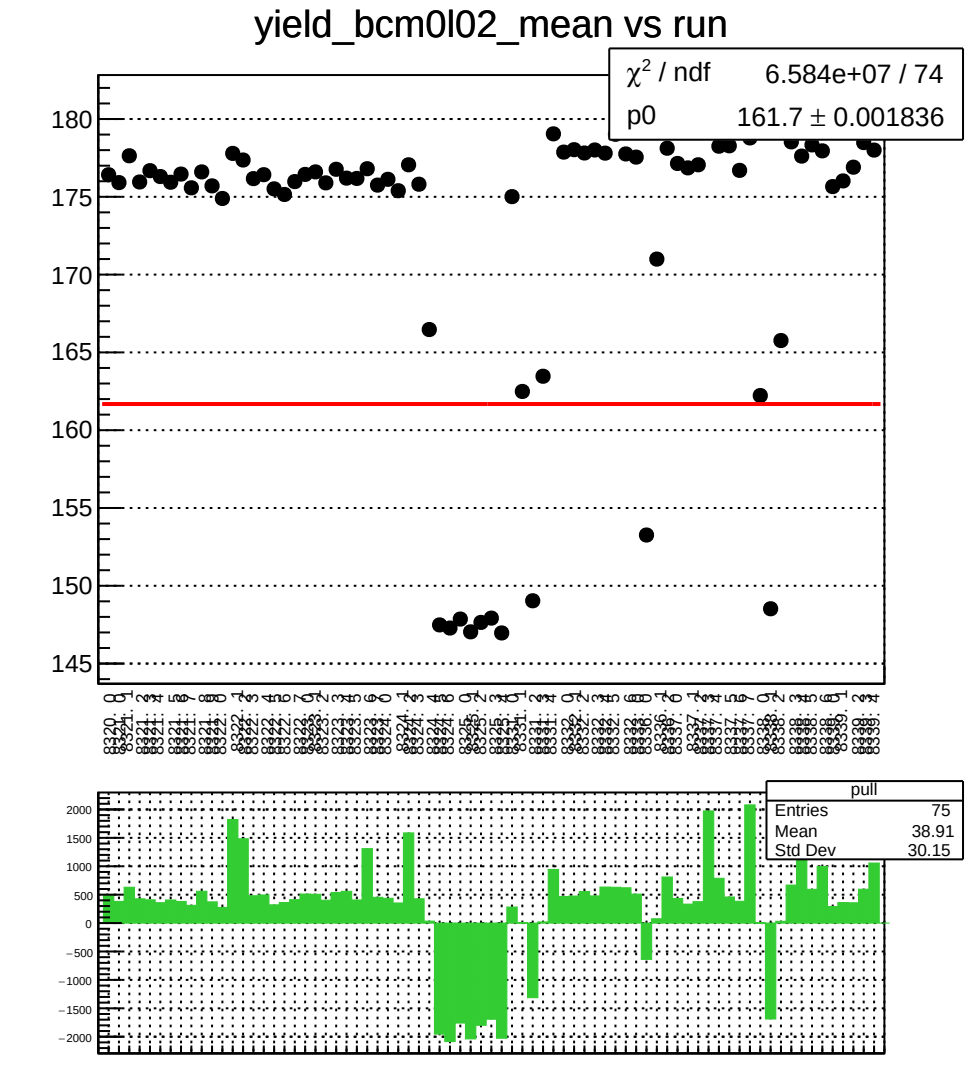

yield_cav4cQ_mean vs run
χ² / ndf 5.346e+05 / 74
p0 144.8 ± 0.001262
147
146.5
146
145.5
145
144.5
144
143.5
143
pull
Entries 75
Mean 167.8
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 75
Mean −0.9567
Std Dev 4.824
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

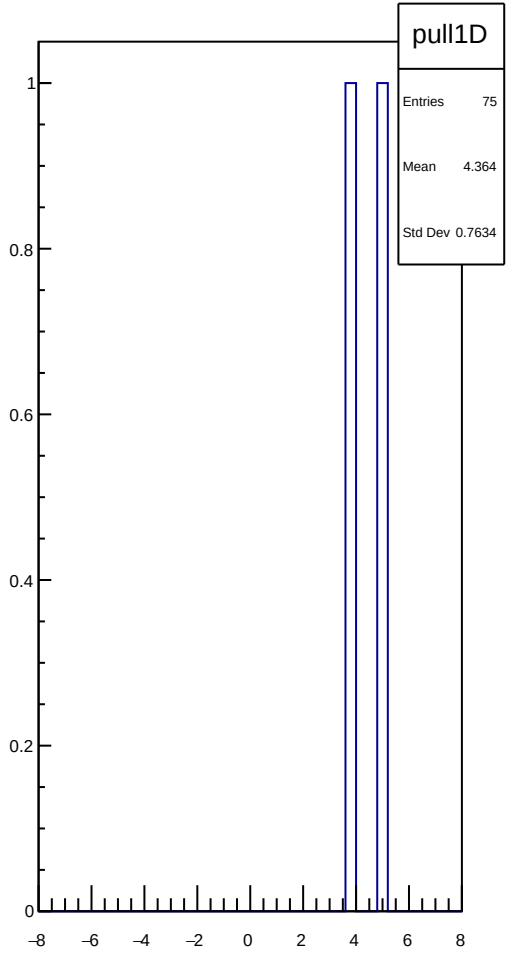

yield_cav4cQ_rms vs run
χ² / ndf 1.403e+05 / 74
p0 1.033 ± 0.0008927
3
2.5
2
1.5
1
0.5

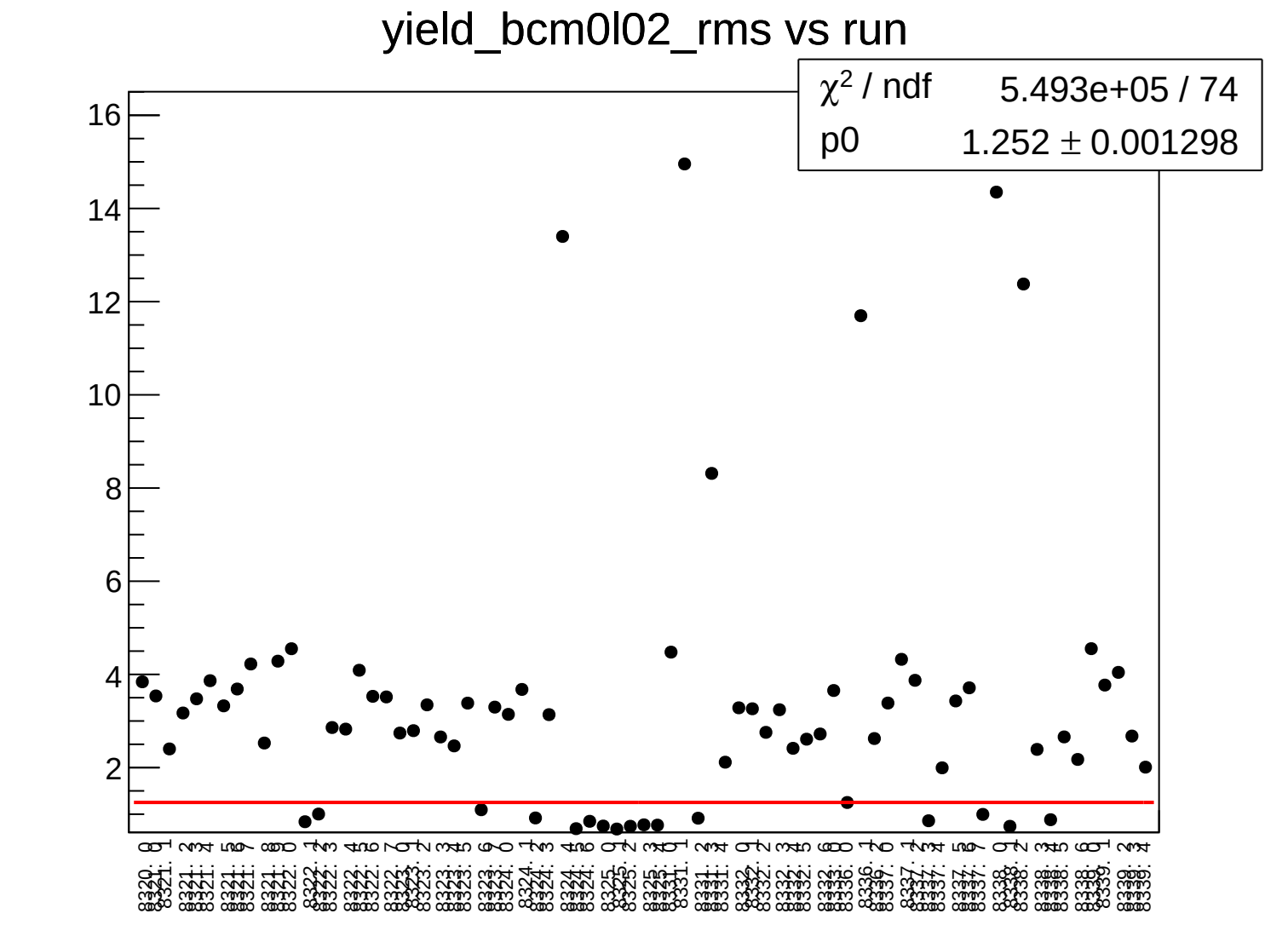

yield_cav4dQ_mean vs run
χ² / ndf 7.042e+05 / 74
p0 145.5 ± 0.0007445
146.5
146
145.5
145
144.5
pull
Entries 75
Mean −506.4
Std Dev 0
150
100
50
0
−50
−100
−150

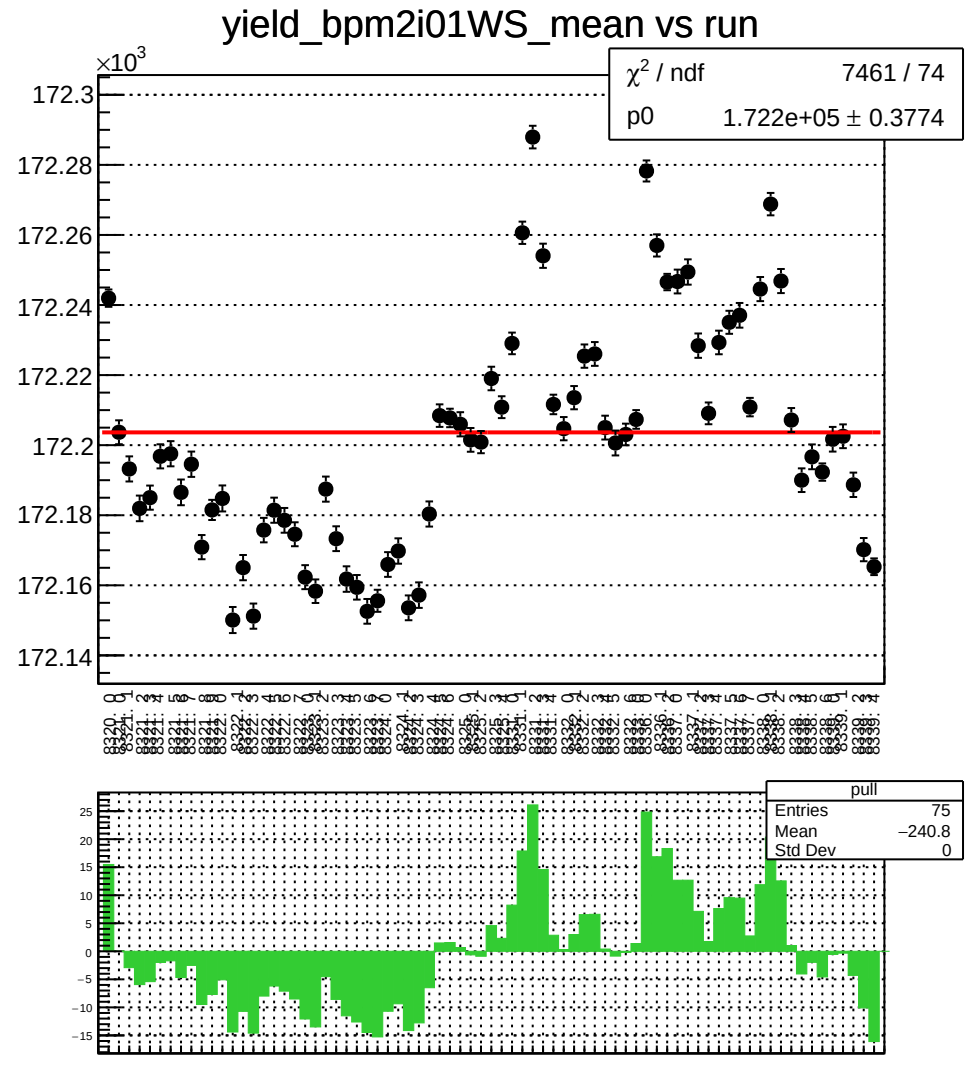

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

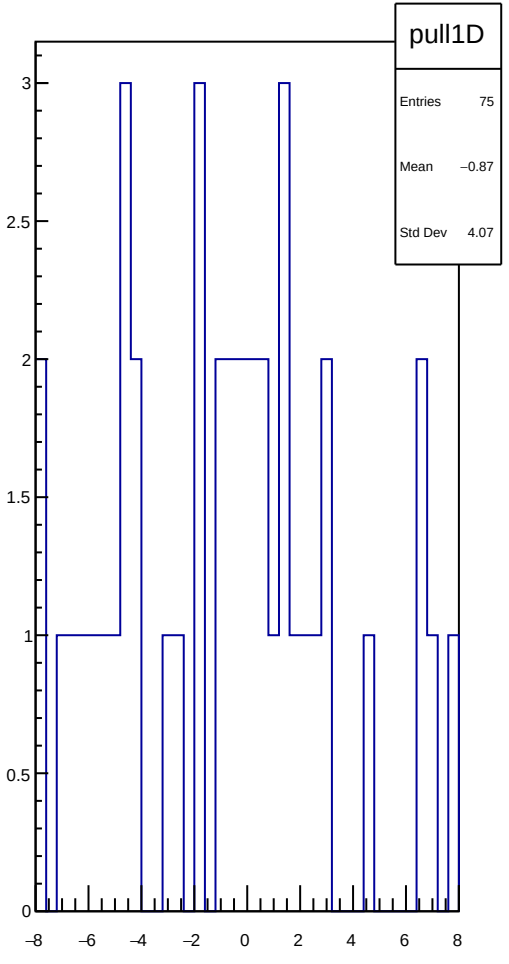

yield_cav4dQ_rms vs run
χ² / ndf 1.32e+04 / 74
p0 0.6376 ± 0.0005264
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6

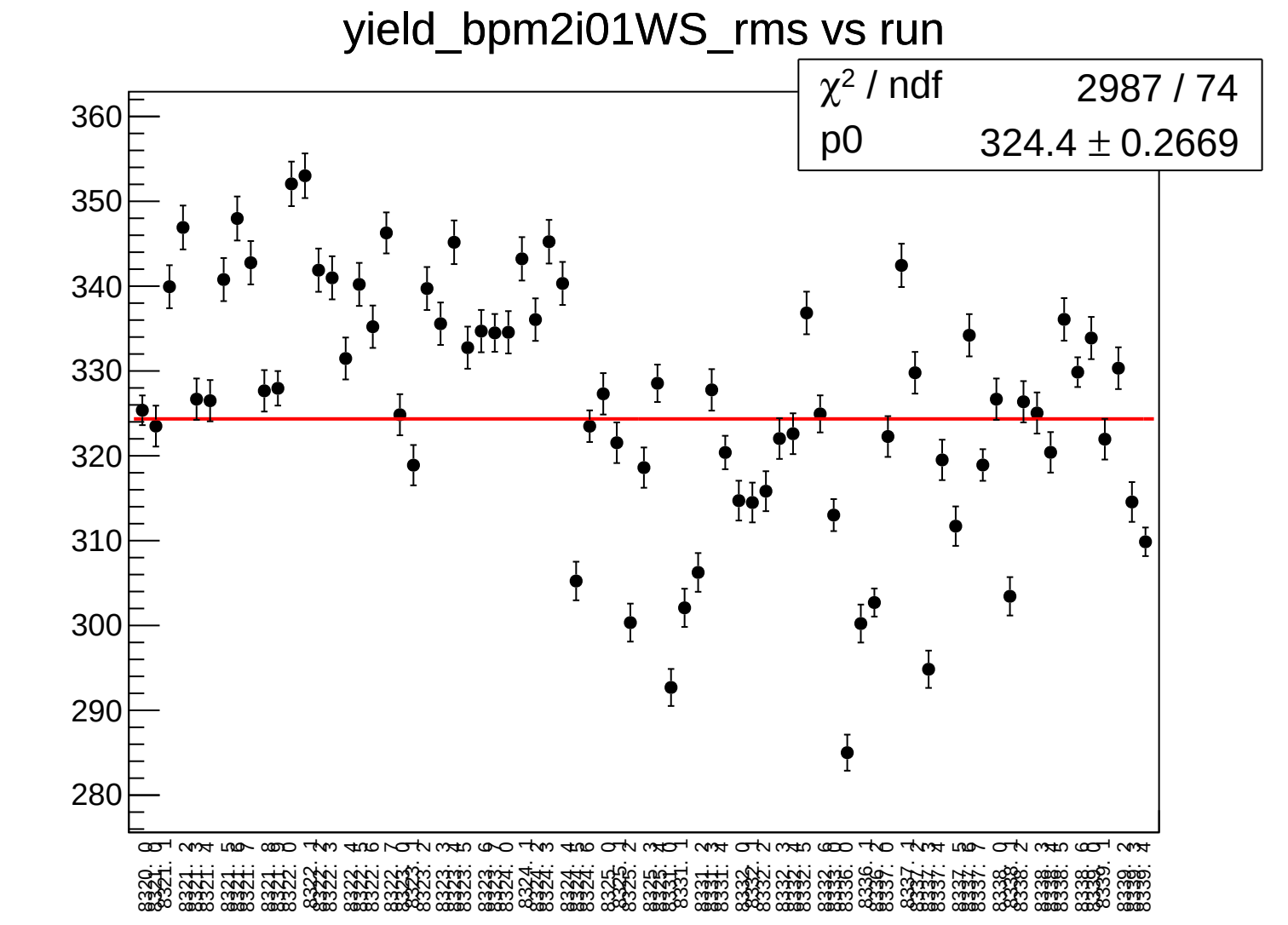

yield_bcm0l02_mean vs run
χ² / ndf 6.584e+07 / 74
p0 161.7 ± 0.001836
pull
Entries 75
Mean 38.91
Std Dev 30.15

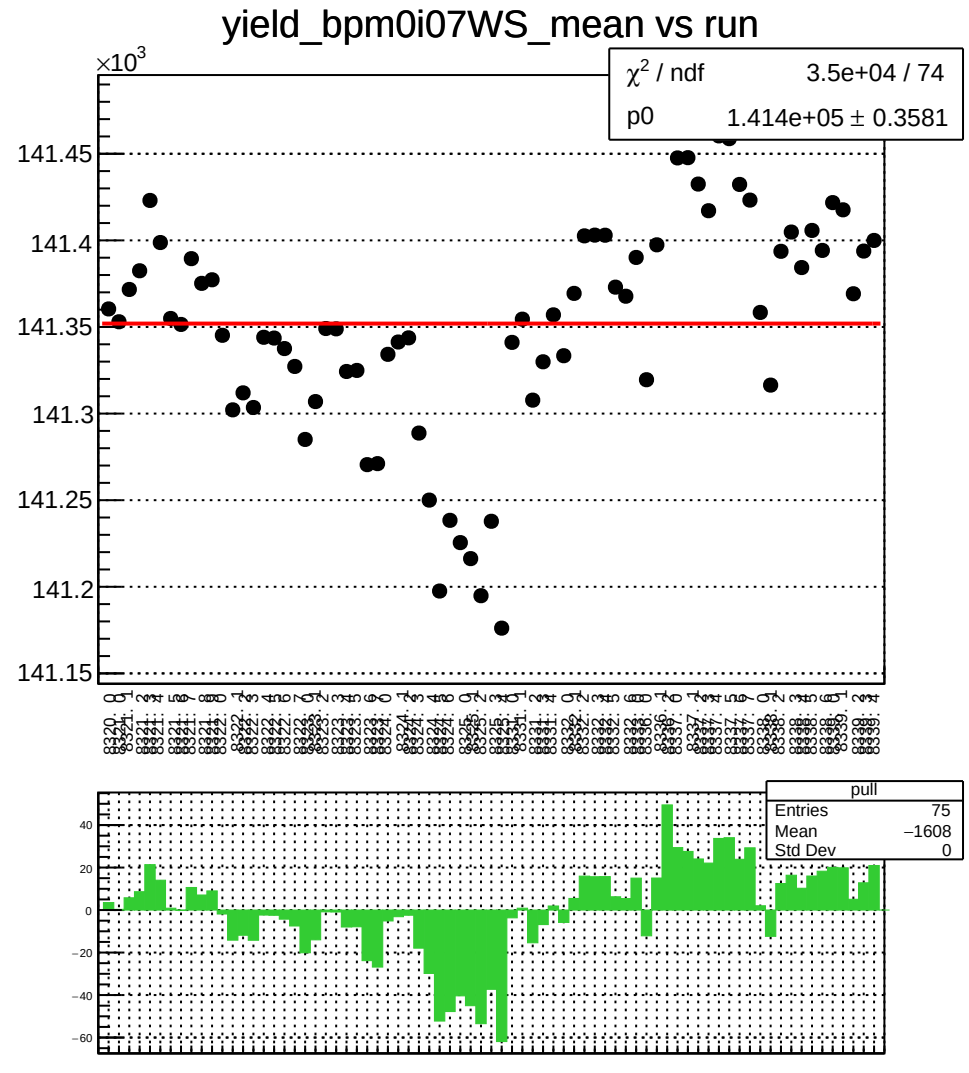

pull1D
Entries 75
Mean 4.364
Std Dev 0.7634

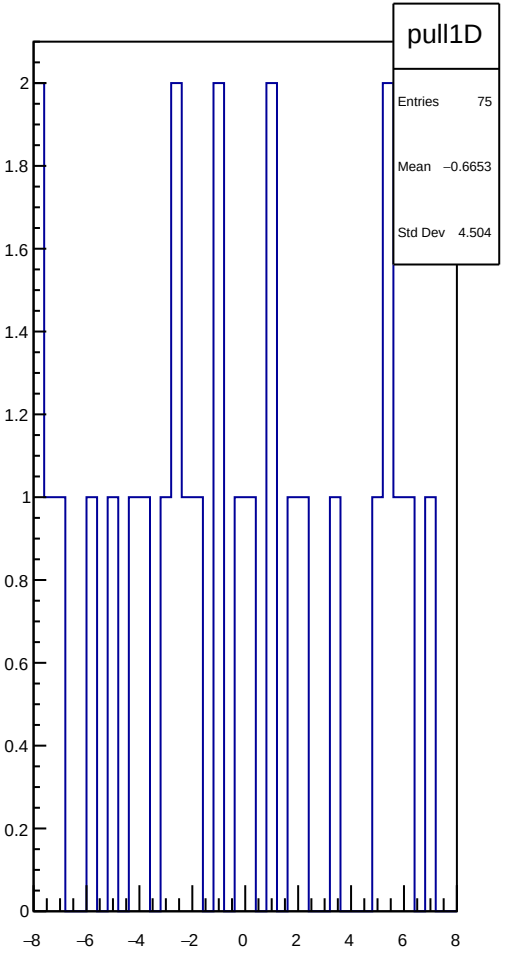

yield_bcm0l02_rms vs run
χ^2 / ndf 5.493e+05 / 74
p0 1.252 ± 0.001298
16
14
12
10
8
6
4
2

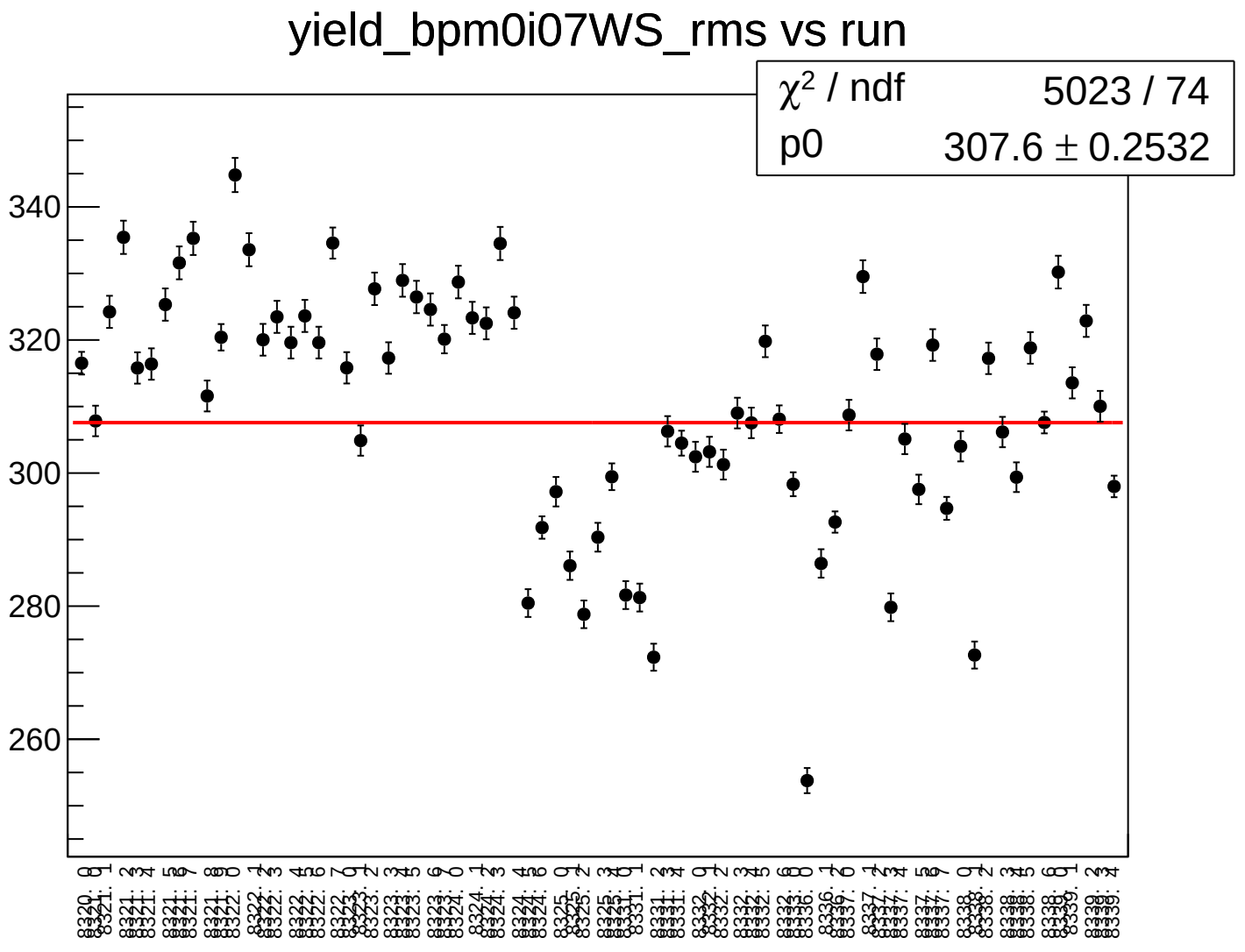

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 7461 / 74
p0 1.722e+05 ± 0.3774
172.3
172.28
172.26
172.24
172.22
172.2
172.18
172.16
172.14
pull
Entries 75
Mean −240.8
Std Dev 0
25
20
15
10
5
0
−5
−10
−15

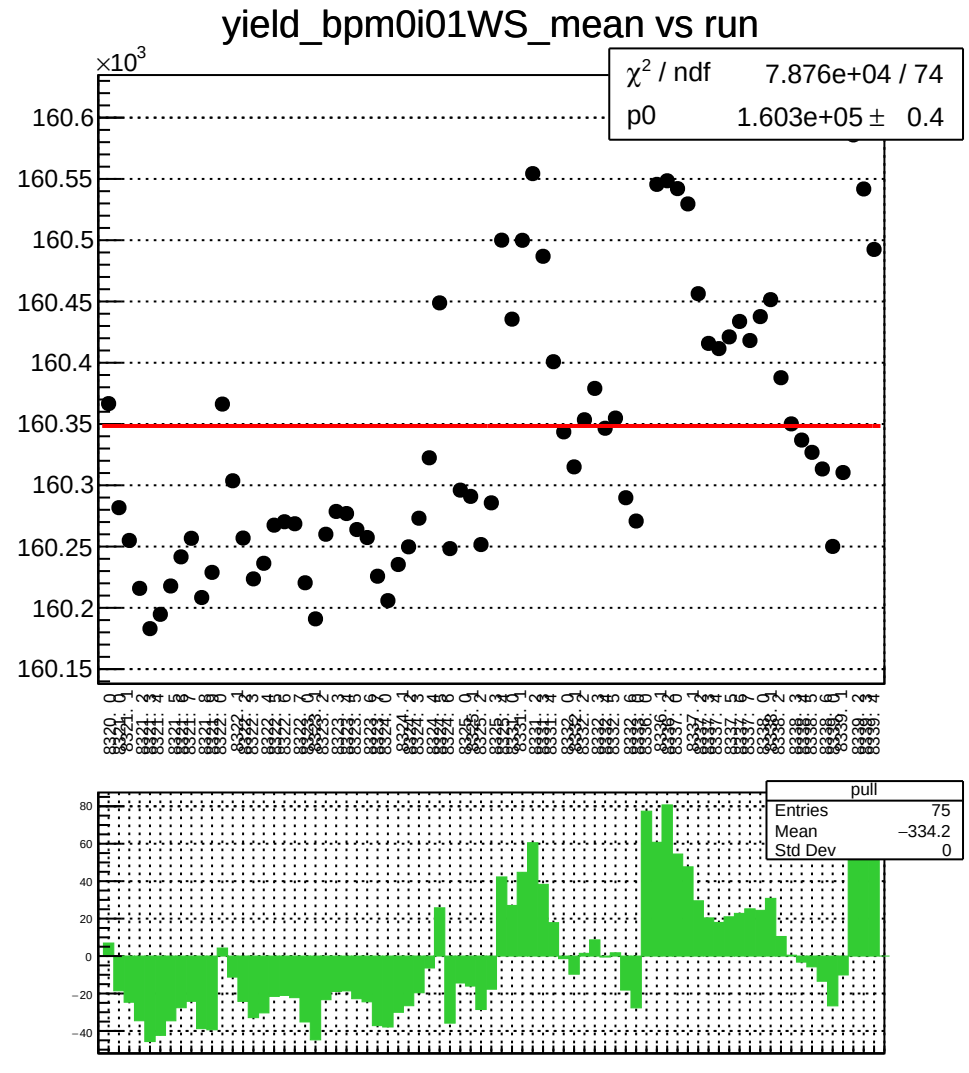

pull1D
Entries 75
Mean −0.87
Std Dev 4.07
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

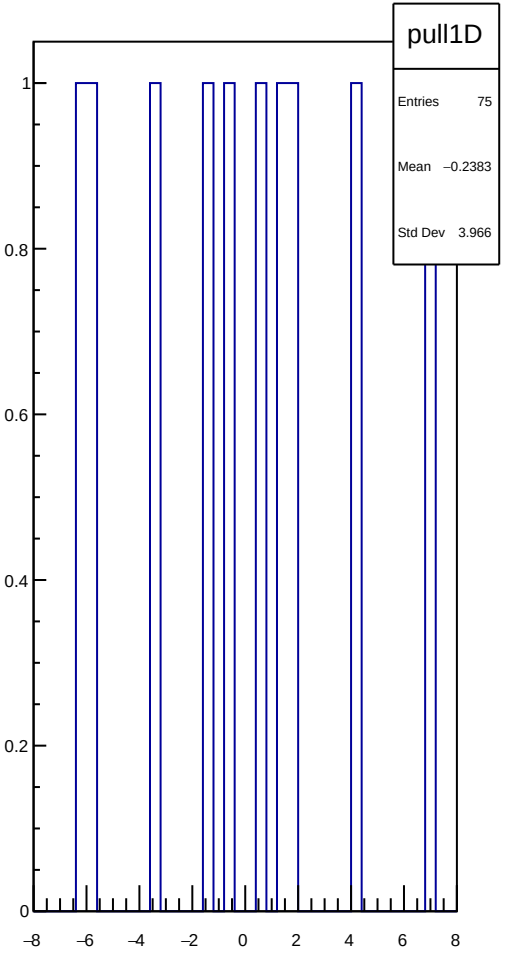

yield_bpm2i01WS_rms vs run
χ² / ndf 2987 / 74
p0 324.4 ± 0.2669
360
350
340
330
320
310
300
290
280

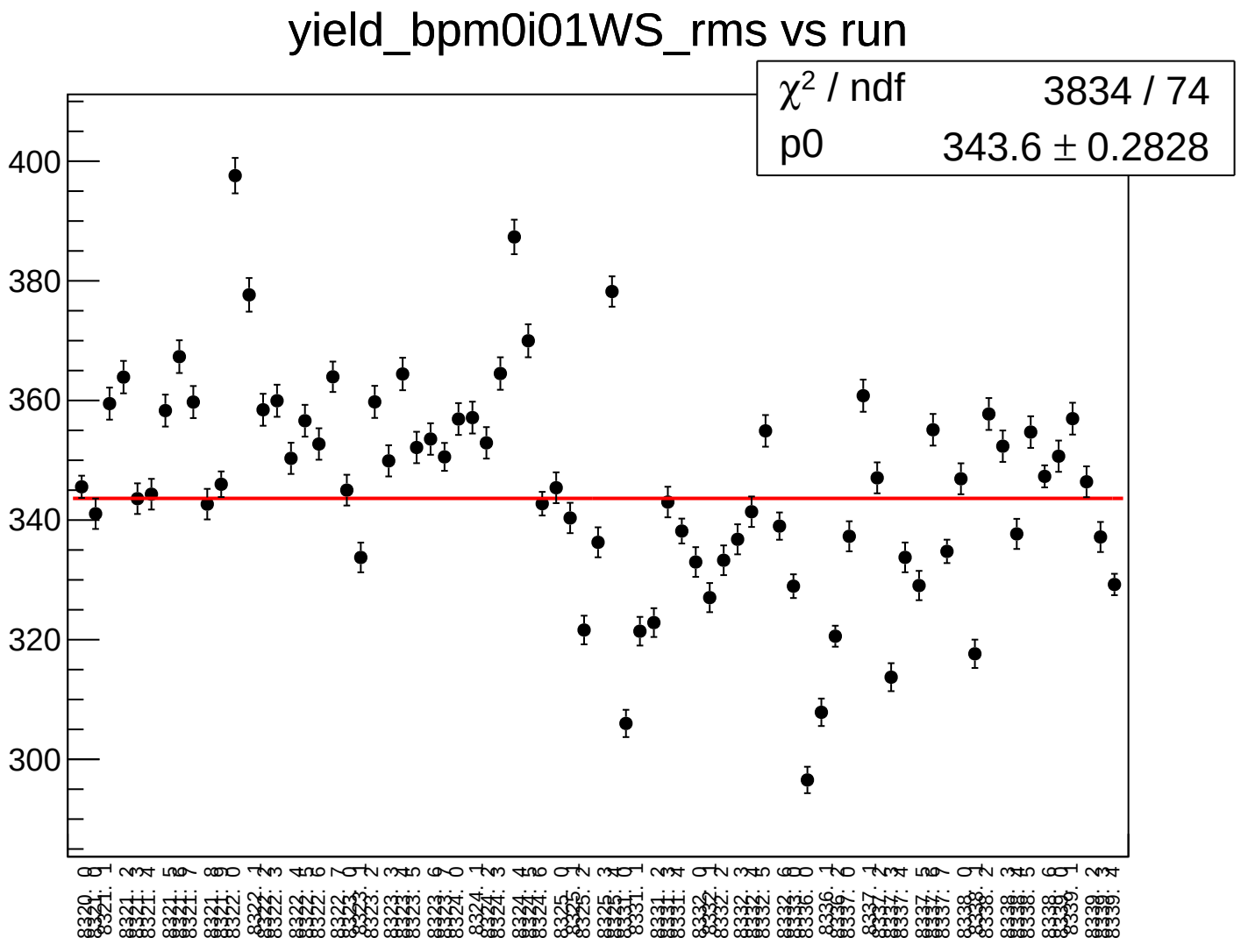

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.5e+04 / 74
p0 1.414e+05 ± 0.3581
141.45
141.4
141.35
141.3
141.25
141.2
141.15
pull
Entries 75
Mean −1608
Std Dev 0
40
20
0
−20
−40
−60

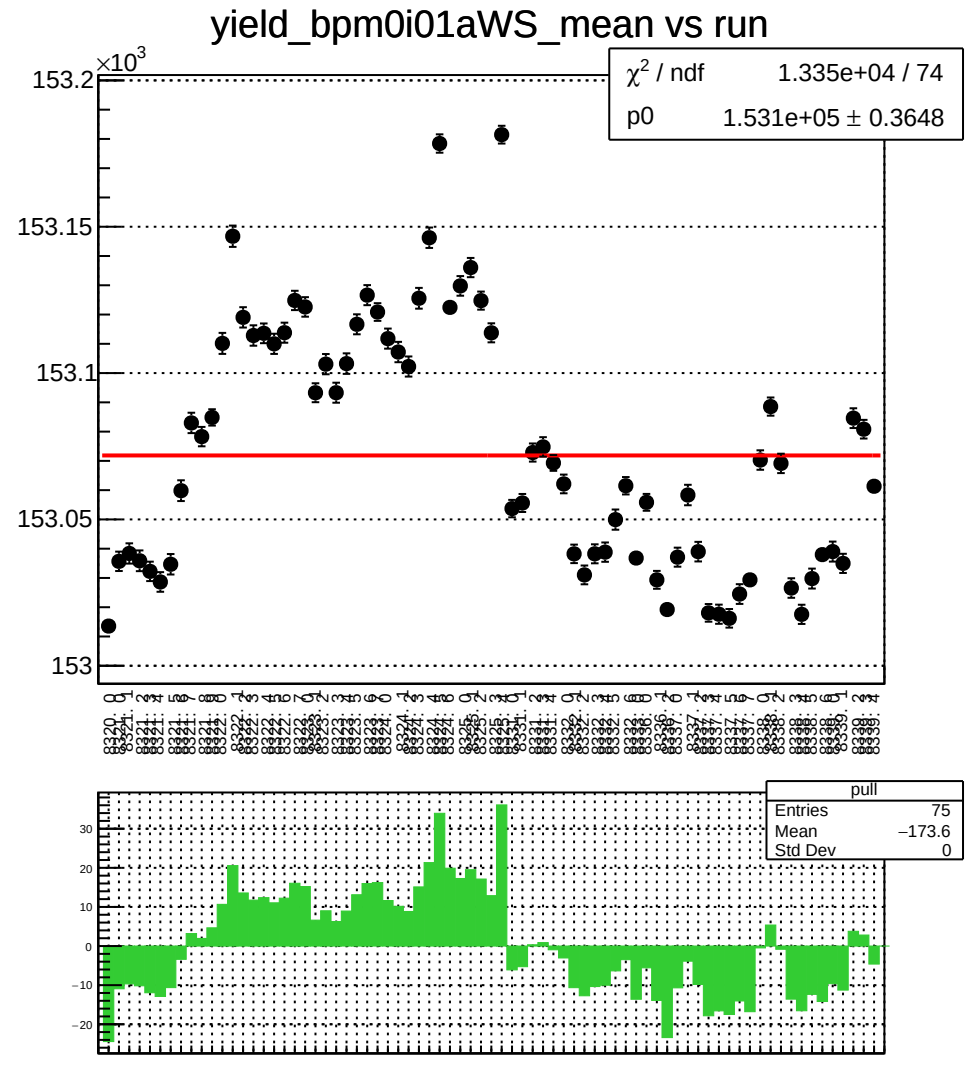

pull1D
Entries 75
Mean −0.6653
Std Dev 4.504
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

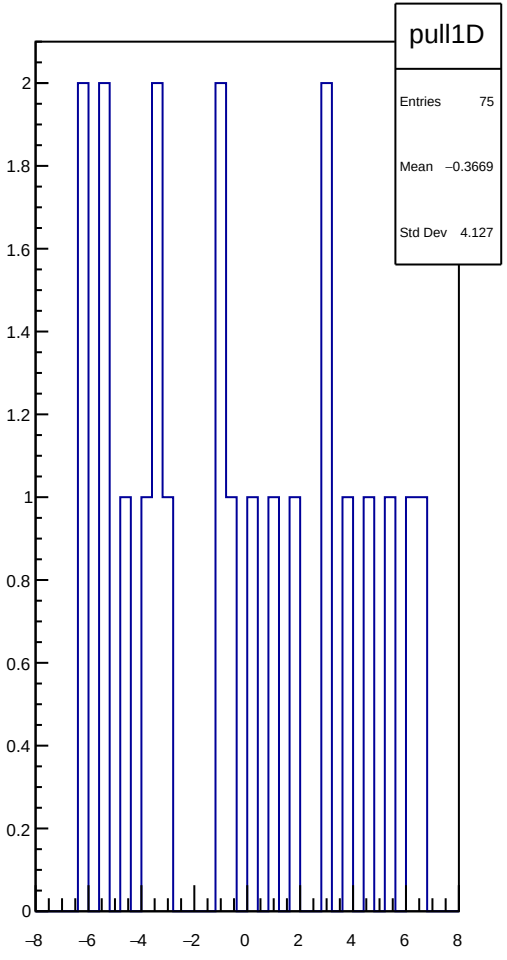

yield_bpm0i07WS_rms vs run
χ² / ndf 5023 / 74
p0 307.6 ± 0.2532
340
320
300
280
260

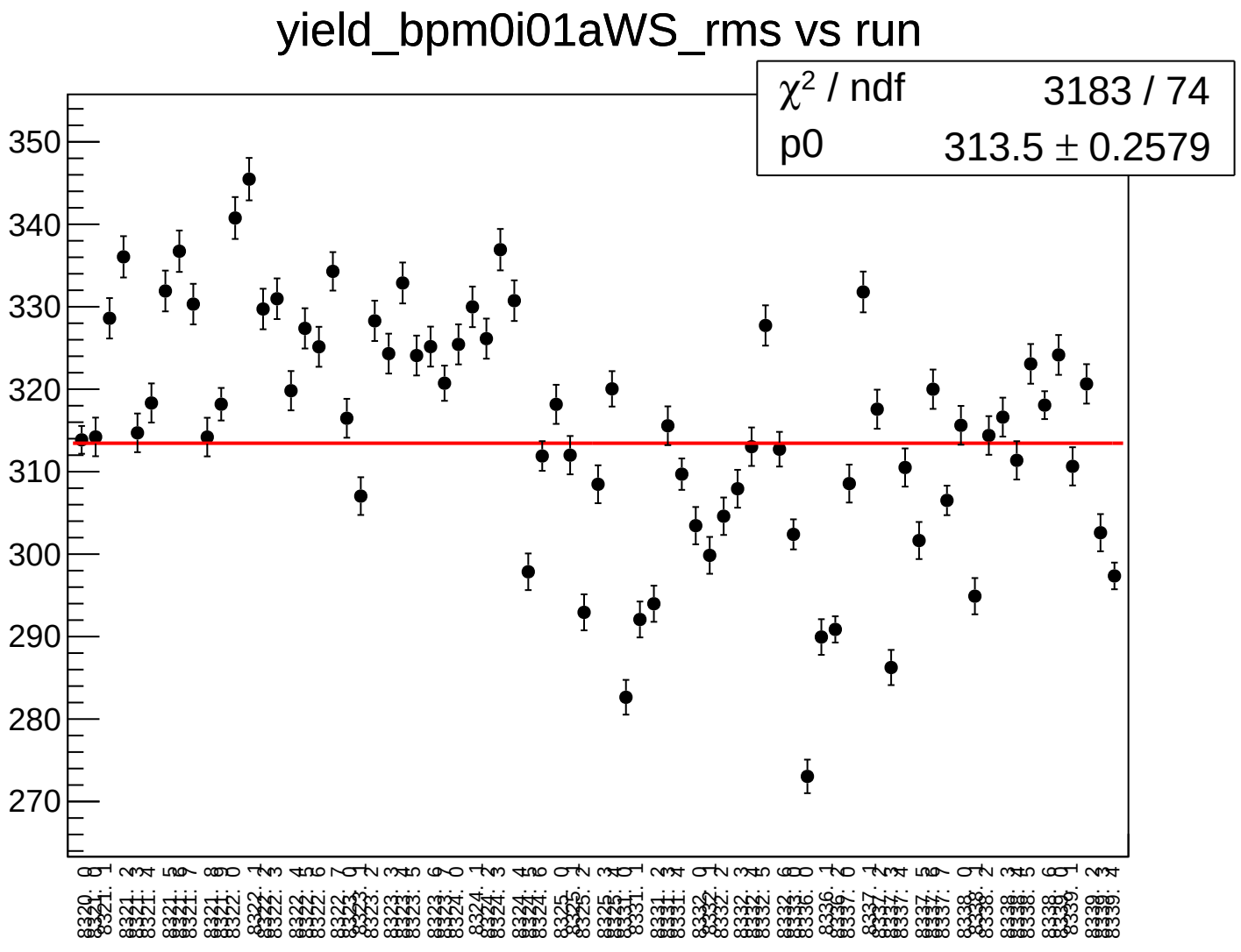

yield_bpm0i01WS_mean vs run
χ² / ndf 7.876e+04 / 74
p0 1.603e+05 ± 0.4
×10³
160.6
160.55
160.5
160.45
160.4
160.35
160.3
160.25
160.2
160.15
pull
Entries 75
Mean −334.2
Std Dev 0
80
60
40
20
0
−20
−40

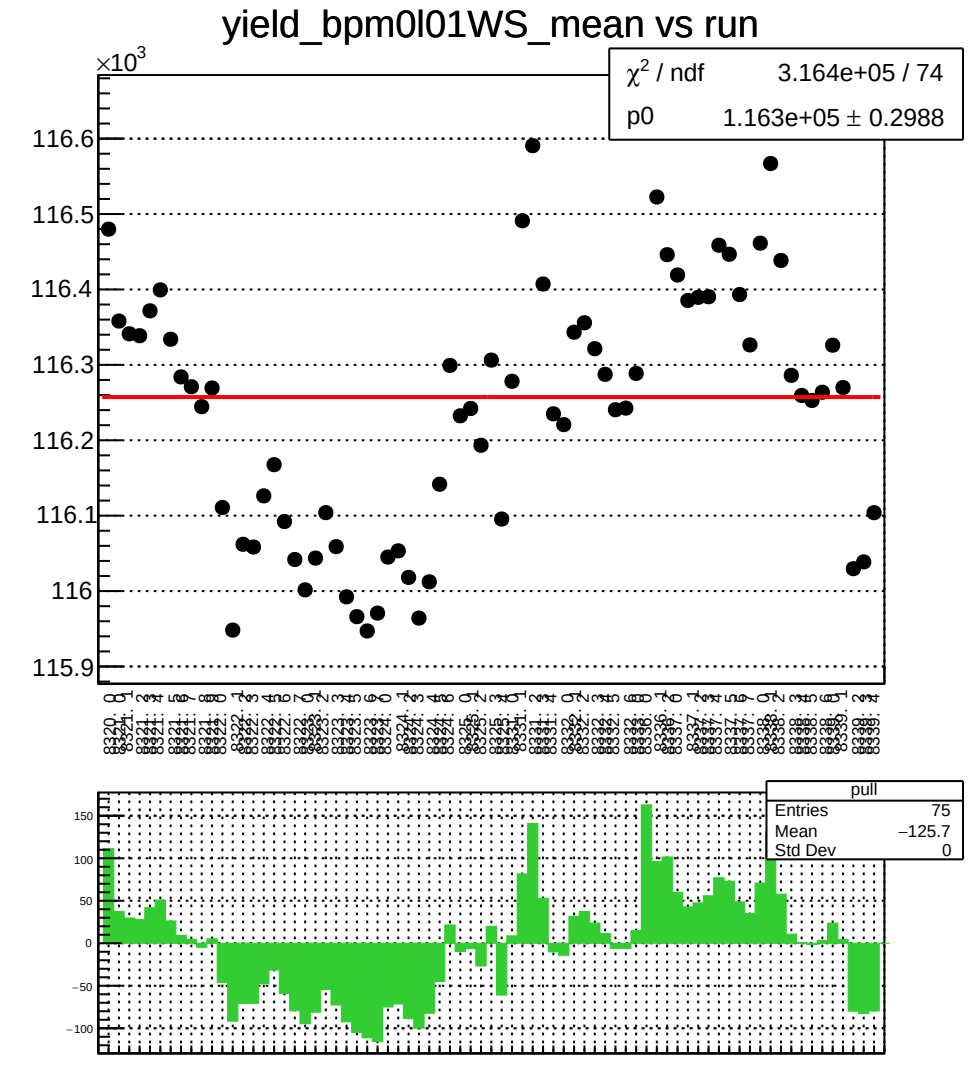

pull1D
Entries 75
Mean −0.2383
Std Dev 3.966
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

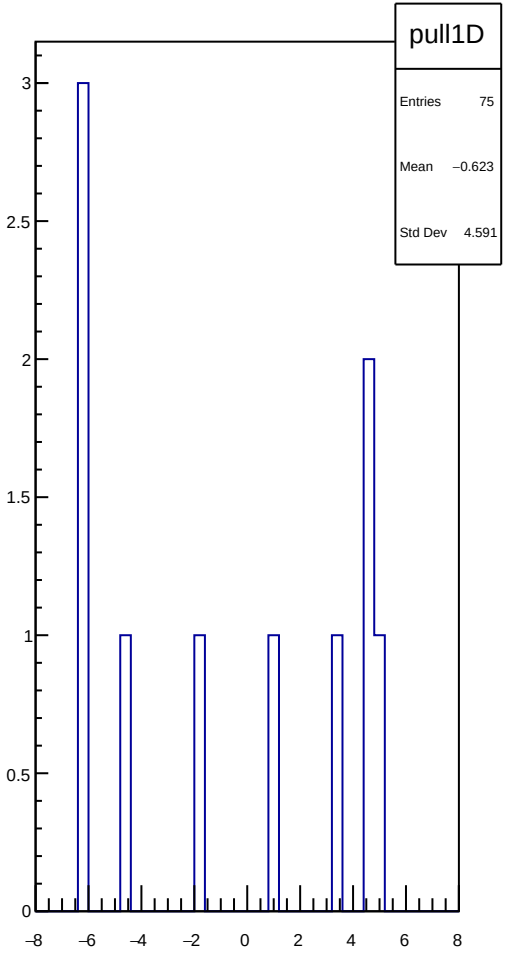

yield_bpm0i01WS_rms vs run
χ² / ndf 3834 / 74
p0 343.6 ± 0.2828
400
380
360
340
320
300

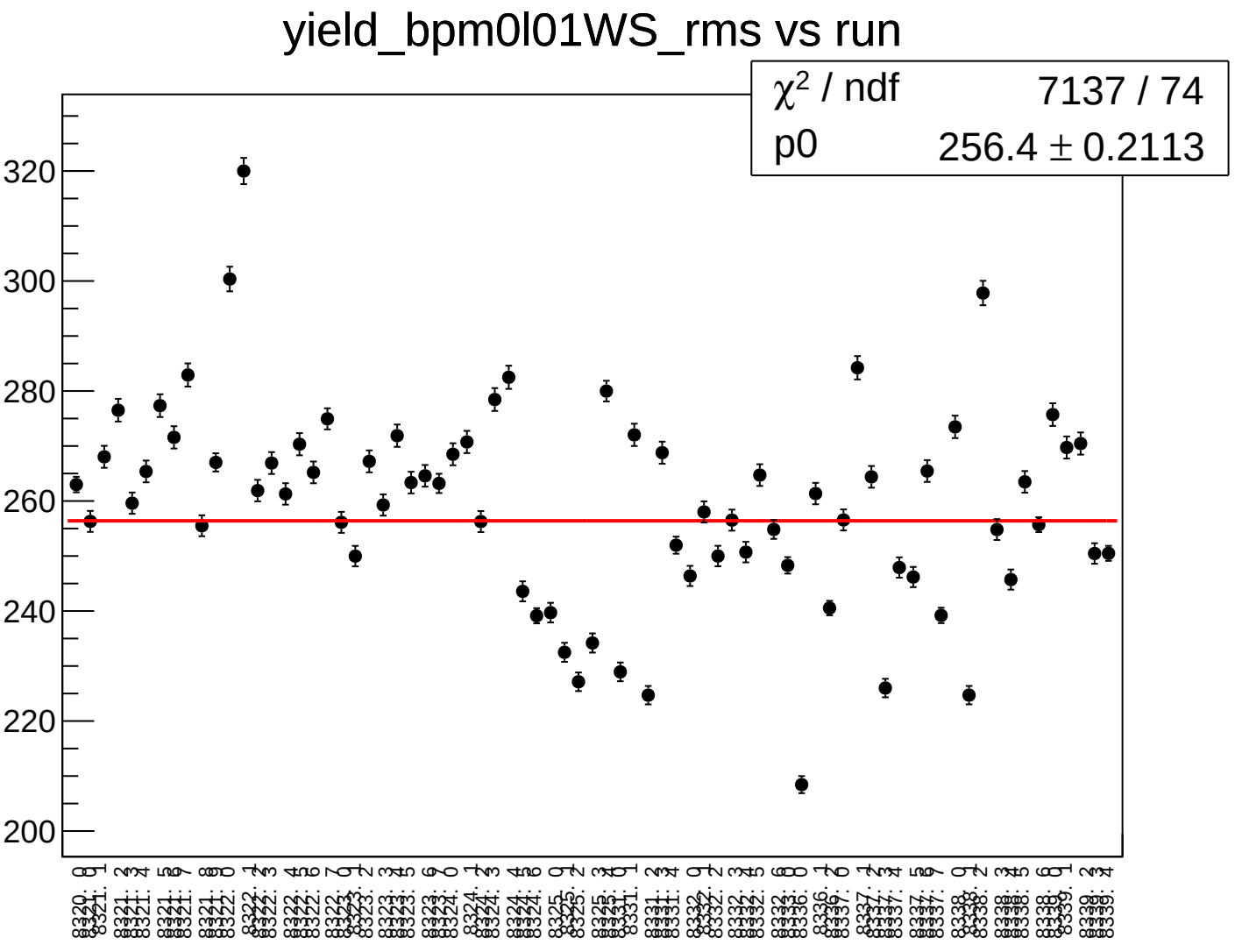

yield_bpm0i01aWS_mean vs run
×10^3
153.2
153.15
153.1
153.05
153
χ² / ndf 1.335e+04 / 74
p0 1.531e+05 ± 0.3648
pull
Entries 75
Mean −173.6
Std Dev 0
30
20
10
0
−10
−20

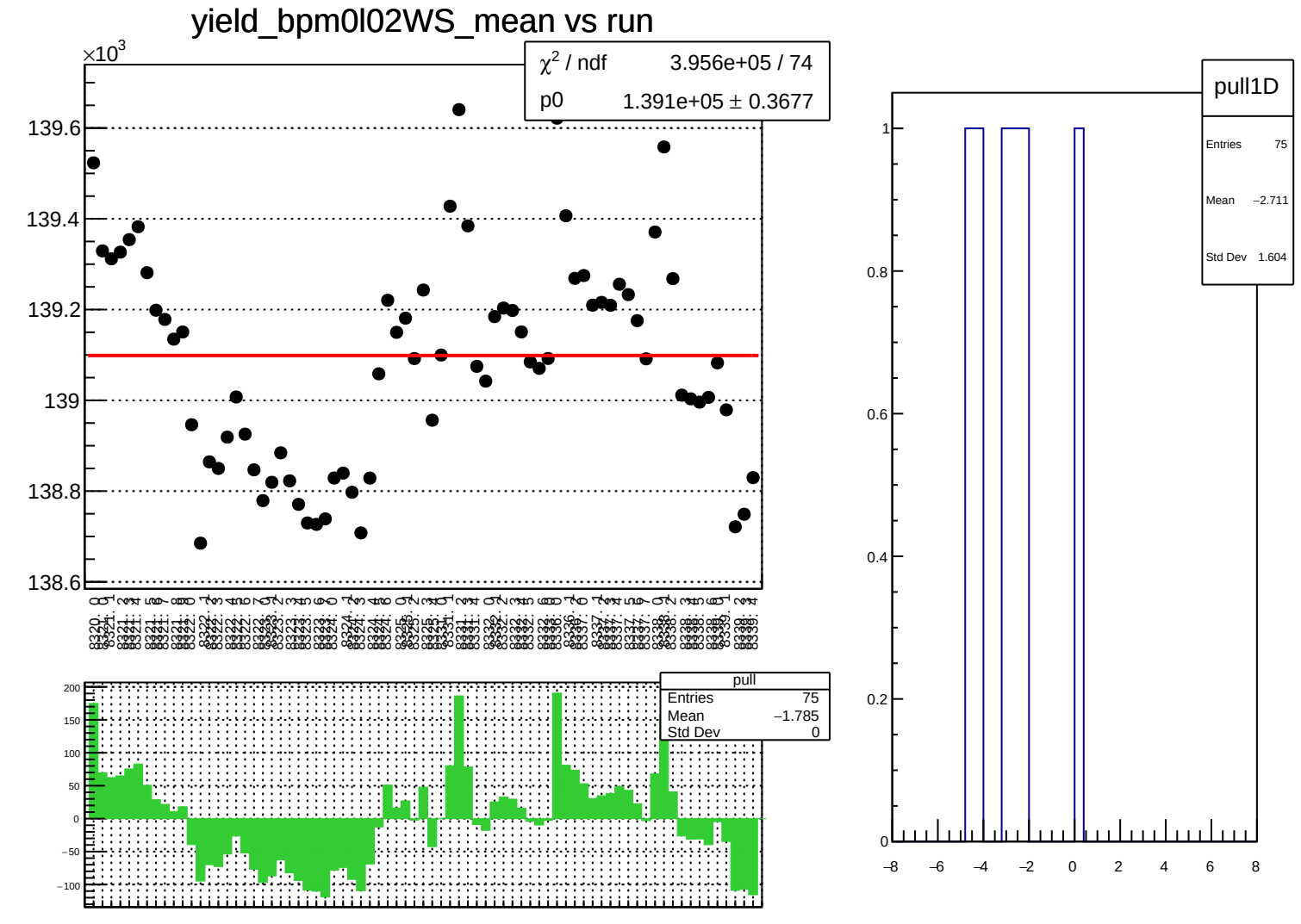

pull1D
Entries 75
Mean −0.3669
Std Dev 4.127
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

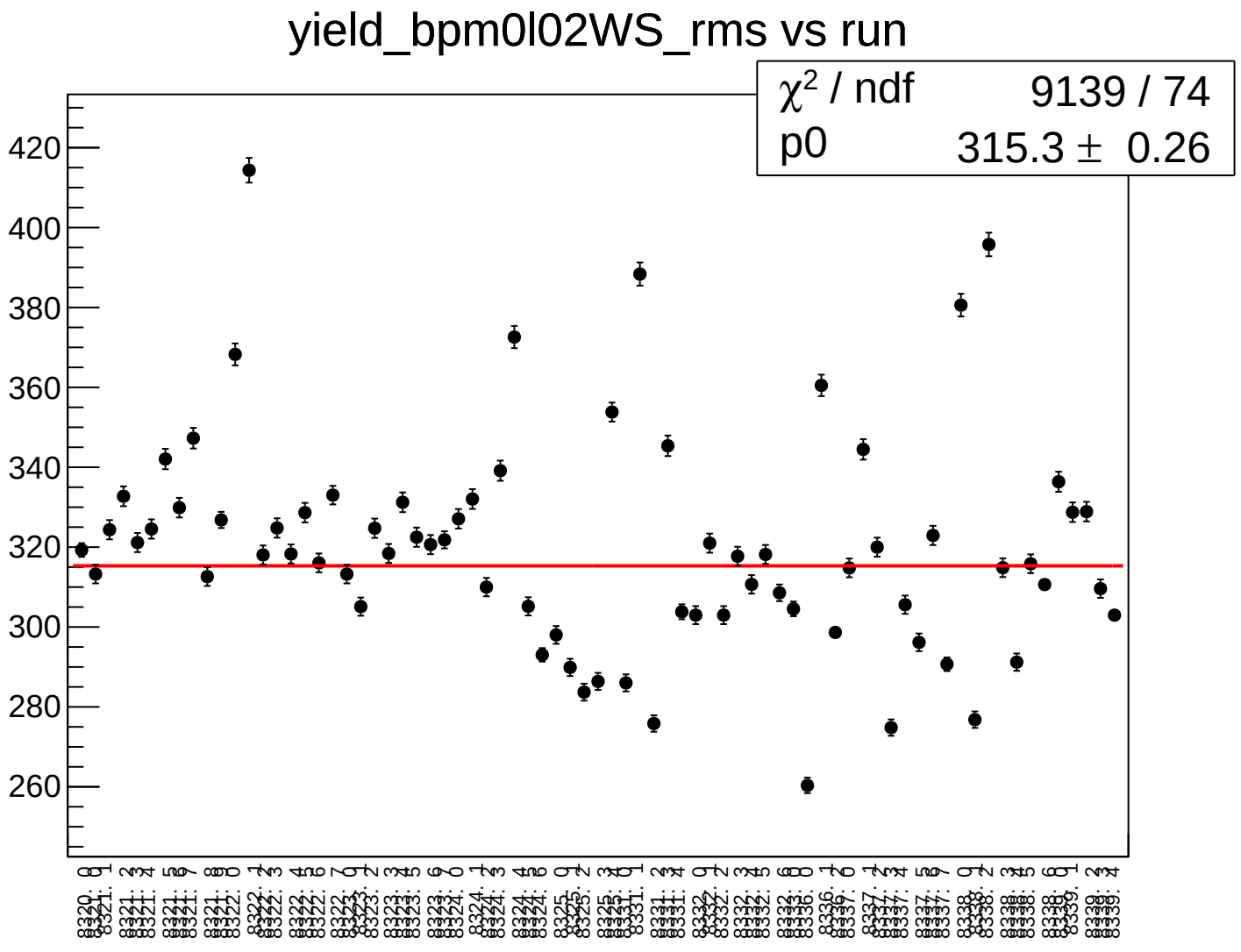

yield_bpm0i01aWS_rms vs run
χ² / ndf 3183 / 74
p0 313.5 ± 0.2579
350
340
330
320
310
300
290
280
270

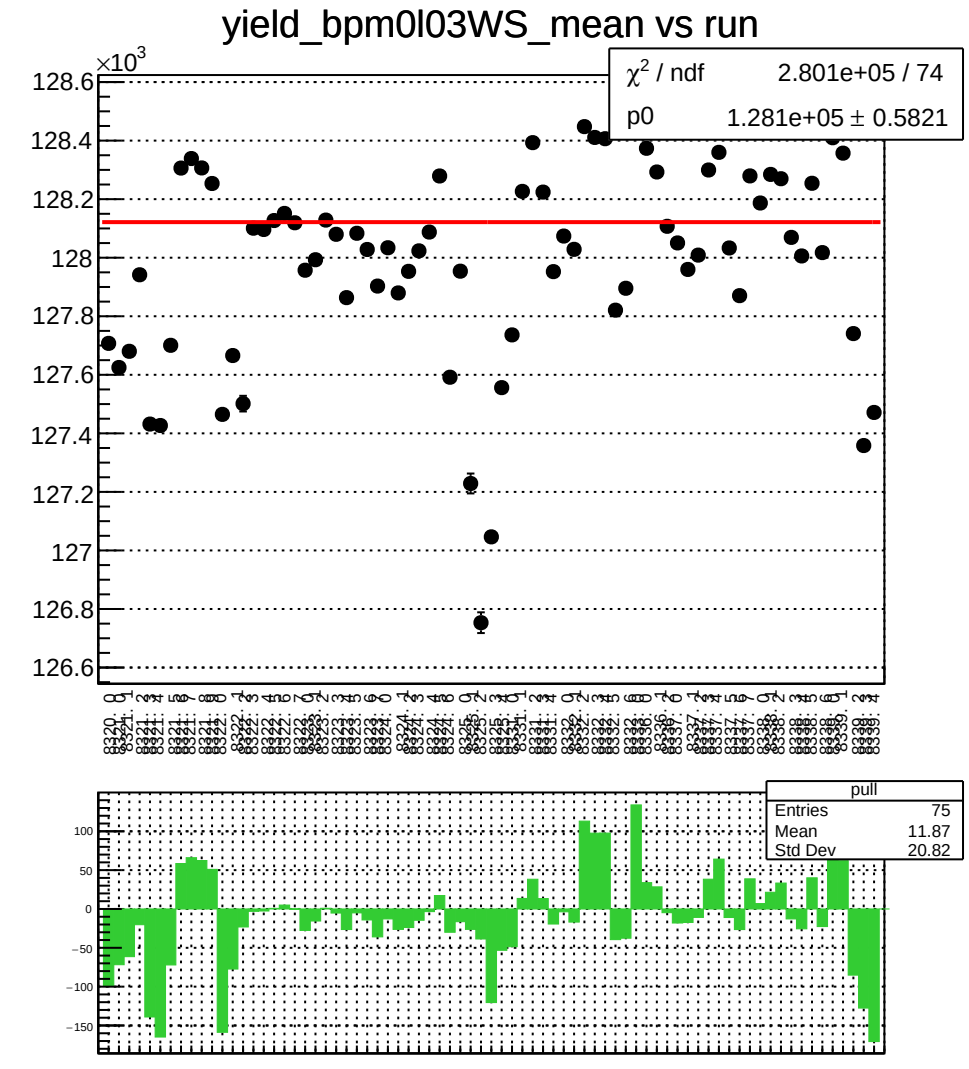

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.164e+05 / 74
p0 1.163e+05 ± 0.2988
116.6
116.5
116.4
116.3
116.2
116.1
116
115.9
pull
Entries 75
Mean −125.7
Std Dev 0
150
100
50
0
−50
−100

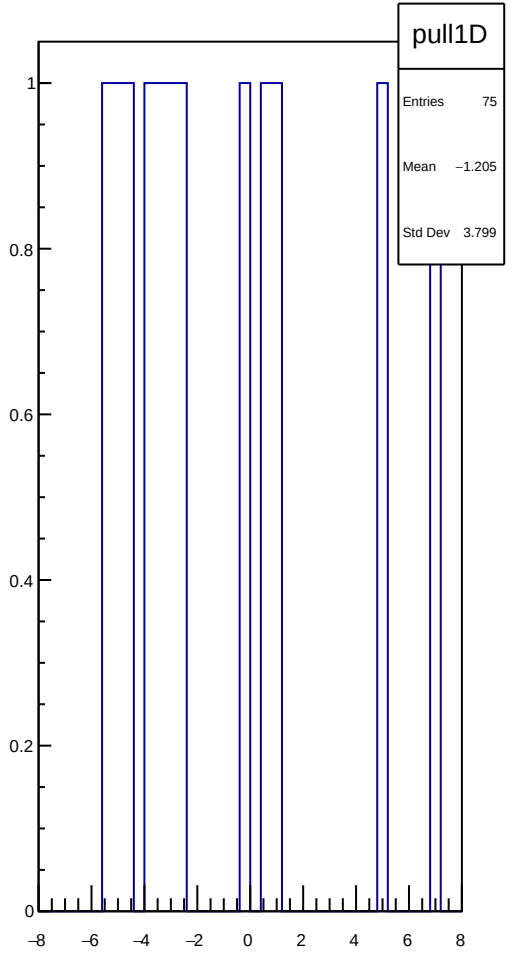

pull1D
Entries 75
Mean −0.623
Std Dev 4.591
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

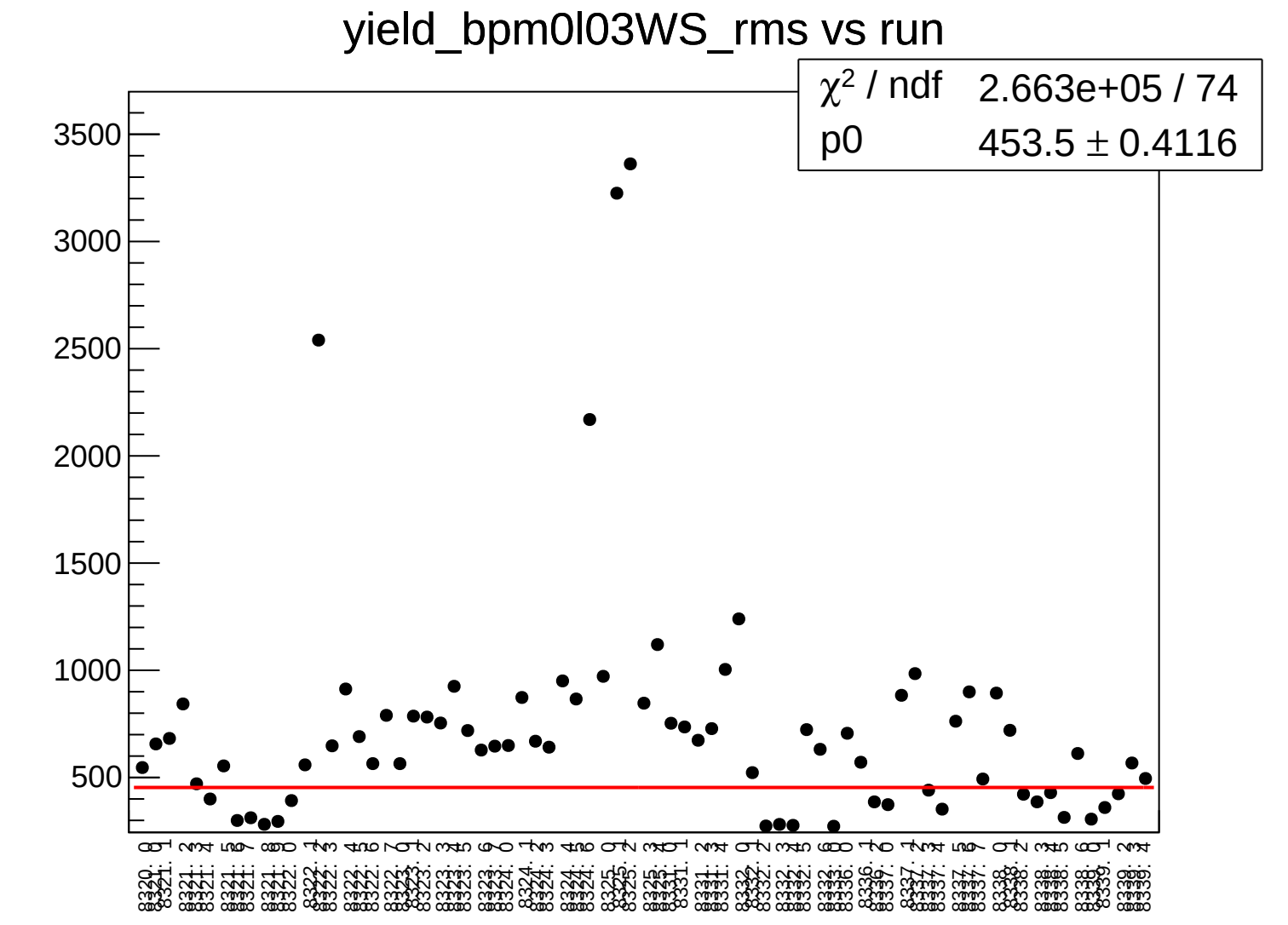

yield_bpm0l01WS_rms vs run
χ² / ndf 7137 / 74
p0 256.4 ± 0.2113
320
300
280
260
240
220
200

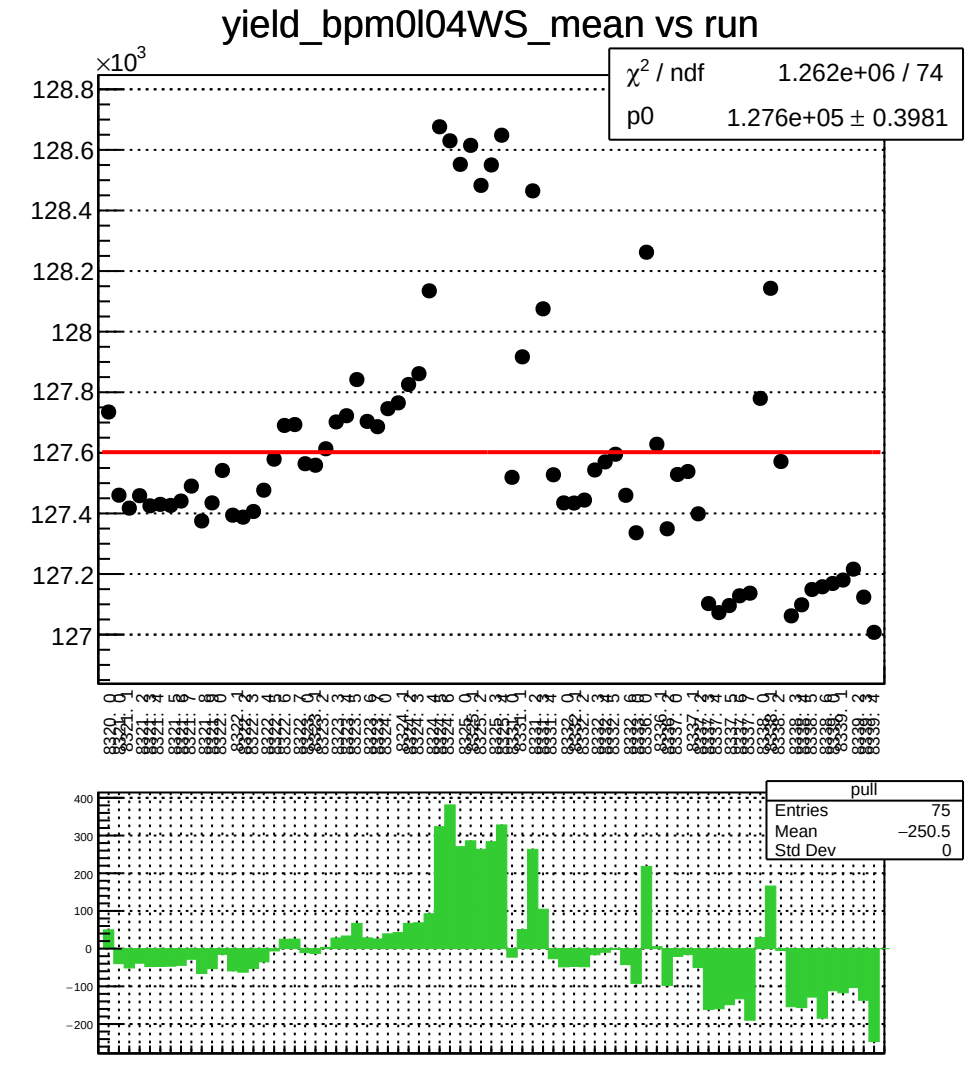

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 3.956e+05 / 74
p0 1.391e+05 ± 0.3677
139.6
139.4
139.2
139
138.8
138.6
pull
Entries 75
Mean −1.785
Std Dev 0
200
150
100
50
0
−50
−100
pull1D
Entries 75
Mean −2.711
Std Dev 1.604
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

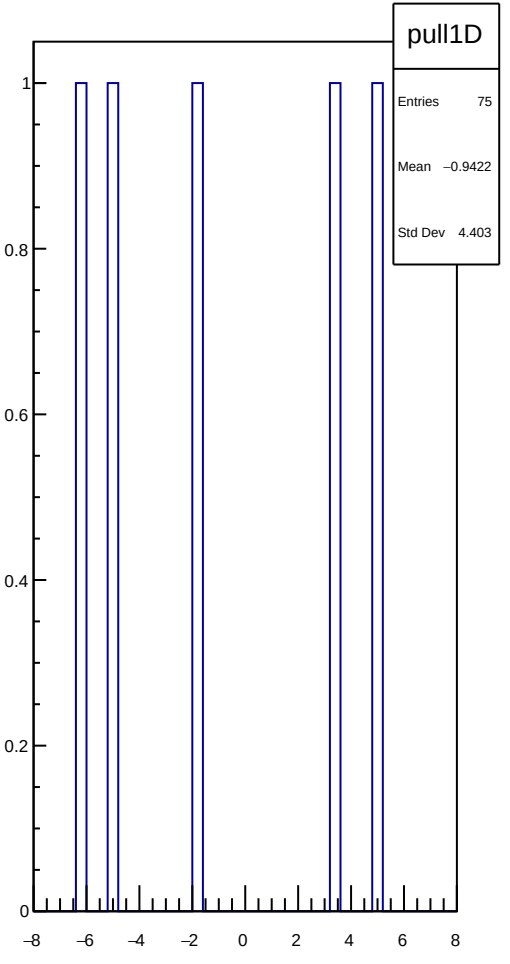

yield_bpm0l02WS_rms vs run
χ² / ndf 9139 / 74
p0 315.3 ± 0.26
420
400
380
360
340
320
300
280
260

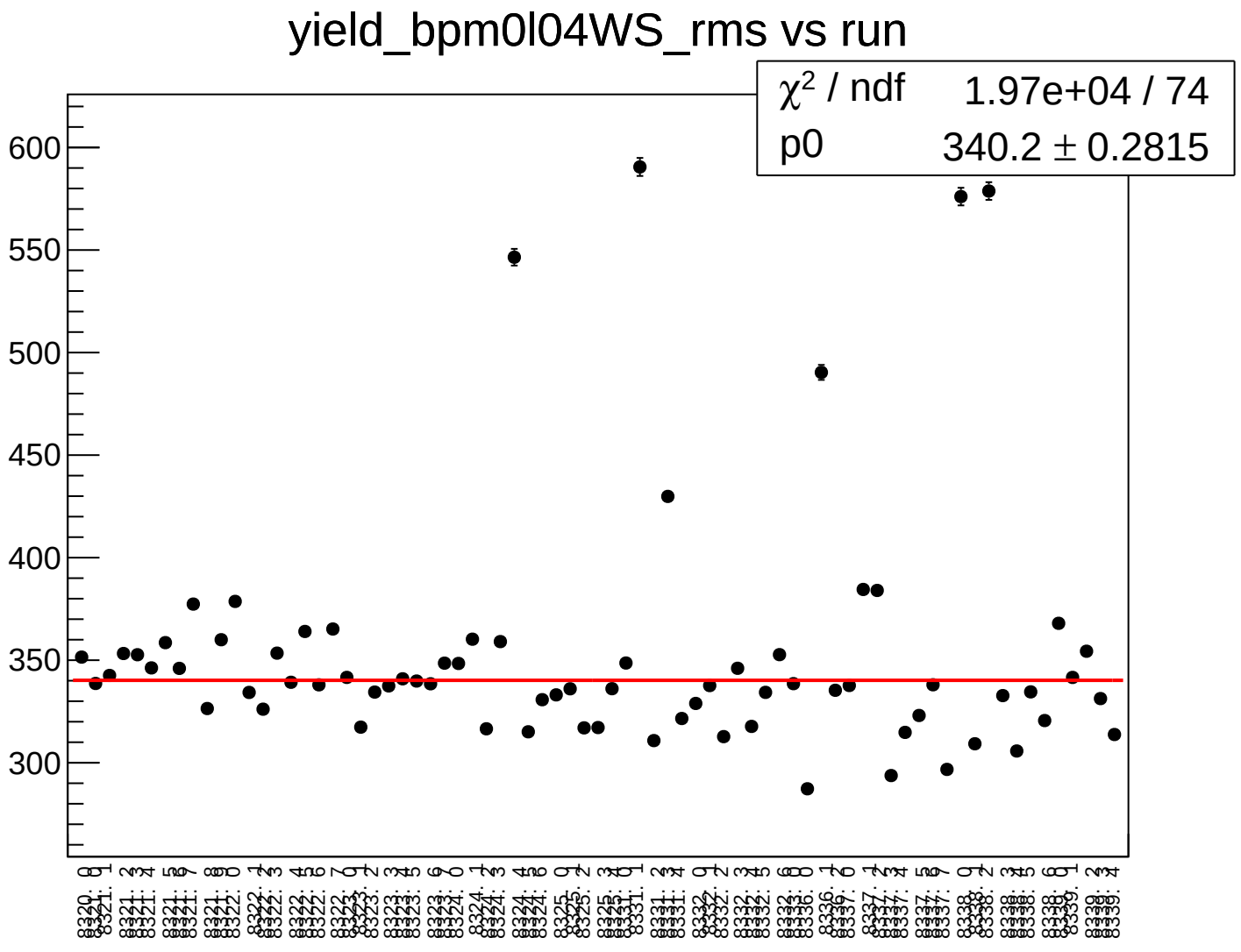

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 2.801e+05 / 74
p0 1.281e+05 ± 0.5821
128.6
128.4
128.2
128
127.8
127.6
127.4
127.2
127
126.8
126.6
pull
Entries 75
Mean 11.87
Std Dev 20.82
100
50
0
−50
−100
−150

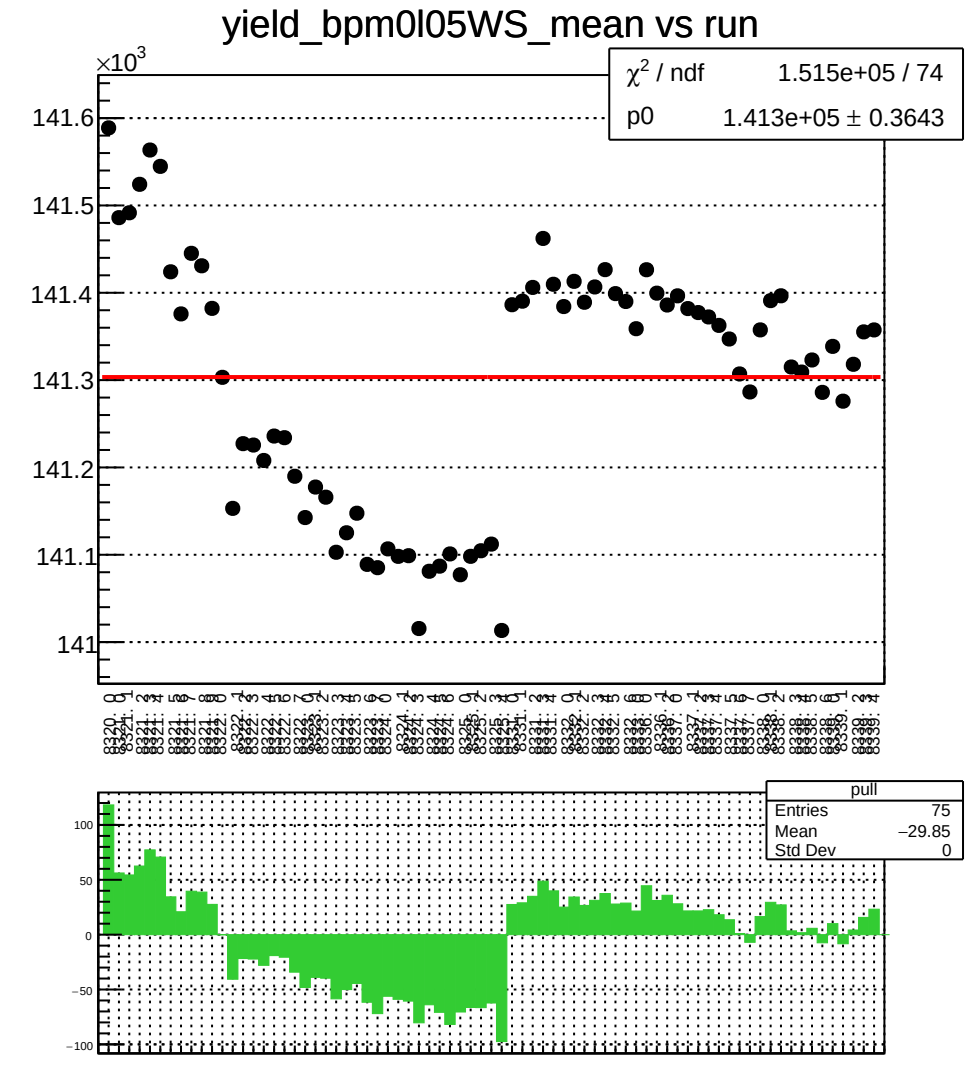

pull1D
Entries 75
Mean −1.205
Std Dev 3.799
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

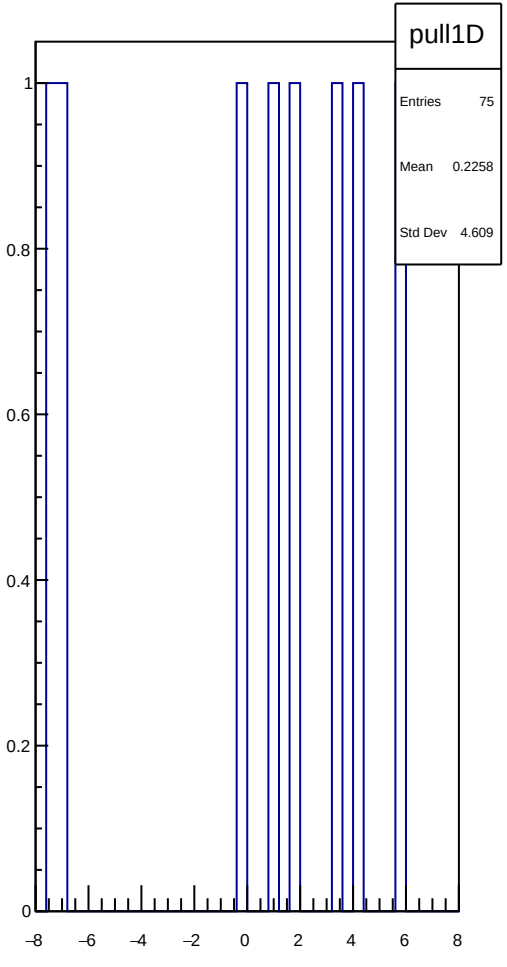

yield_bpm0l03WS_rms vs run
χ² / ndf 2.663e+05 / 74
p0 453.5 ± 0.4116
3500
3000
2500
2000
1500
1000
500

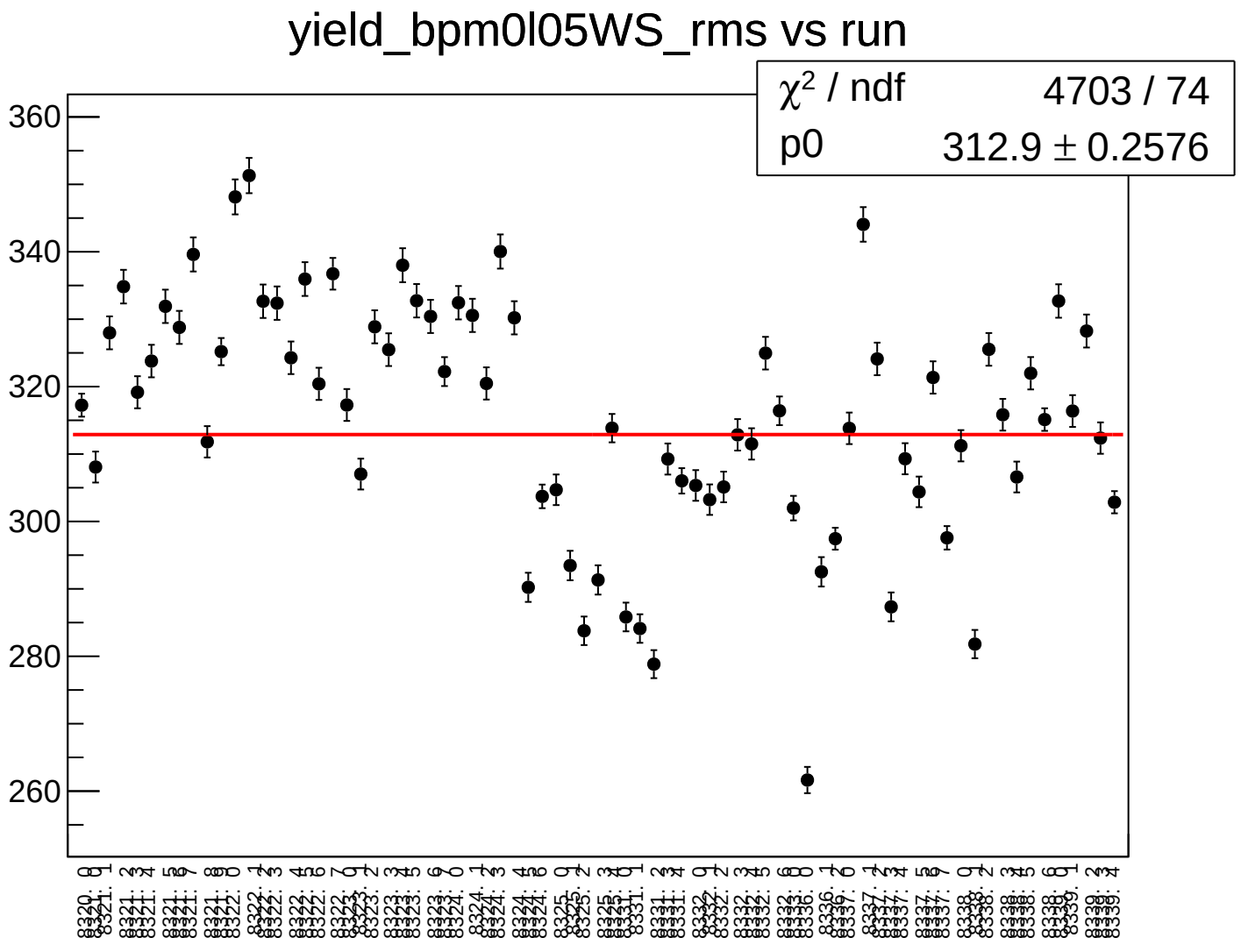

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.262e+06 / 74
p0 1.276e+05 ± 0.3981
128.8
128.6
128.4
128.2
128
127.8
127.6
127.4
127.2
127
pull
Entries 75
Mean −250.5
Std Dev 0
400
300
200
100
0
−100
−200

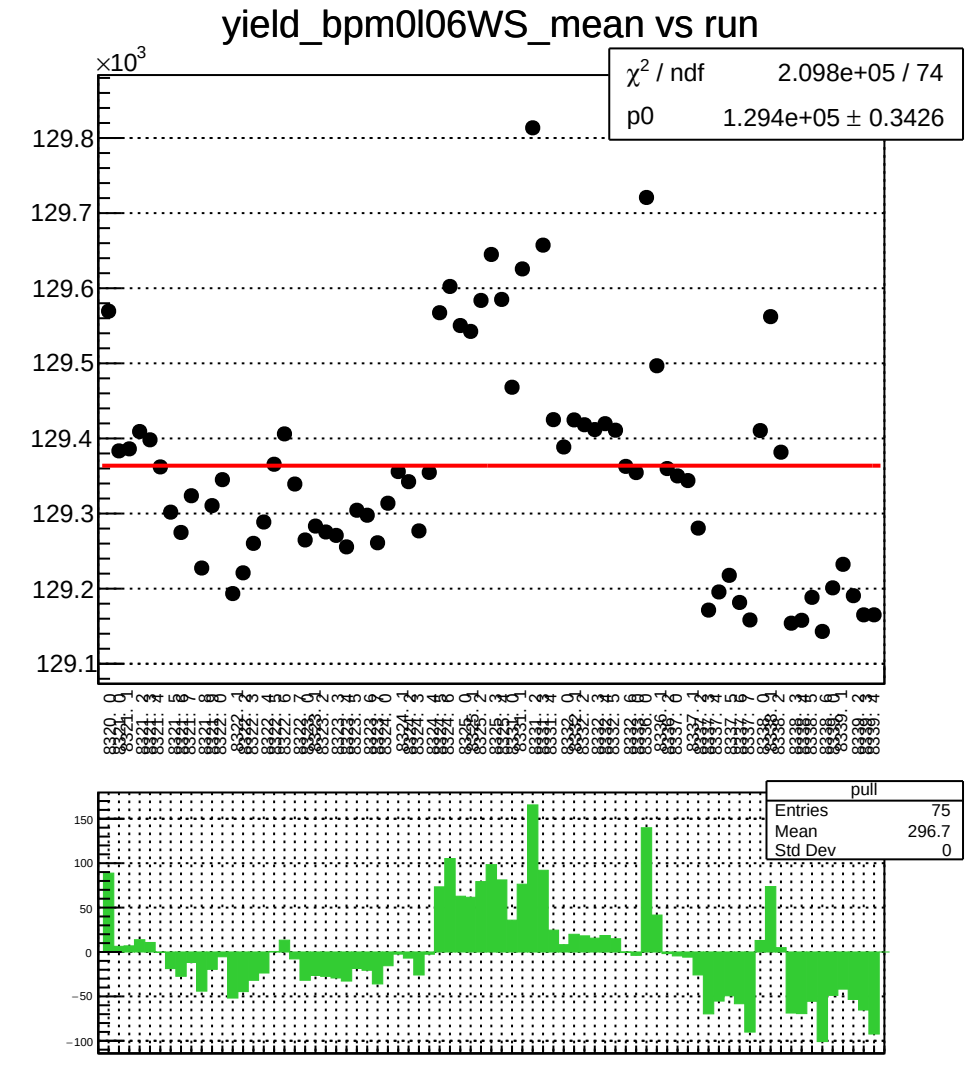

pull1D
Entries 75
Mean −0.9422
Std Dev 4.403
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

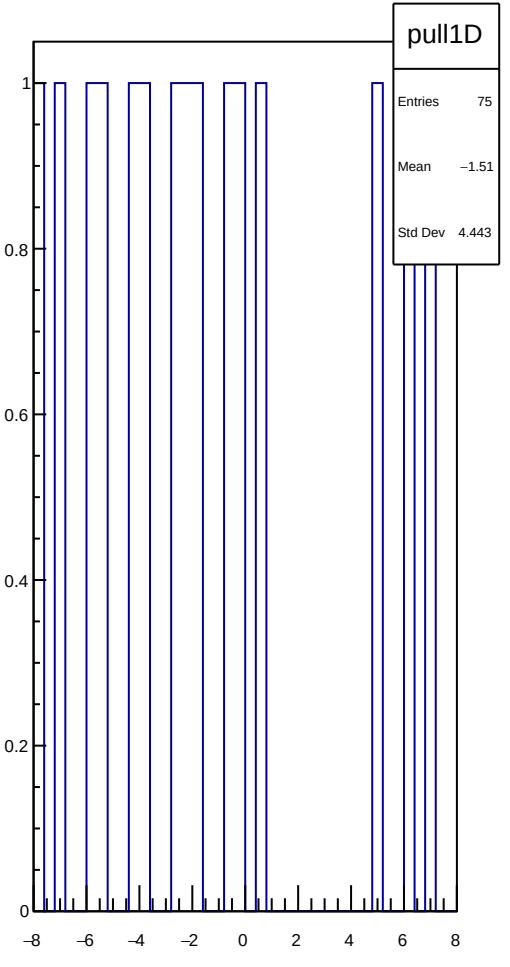

yield_bpm0l04WS_rms vs run
χ² / ndf 1.97e+04 / 74
p0 340.2 ± 0.2815
600
550
500
450
400
350
300

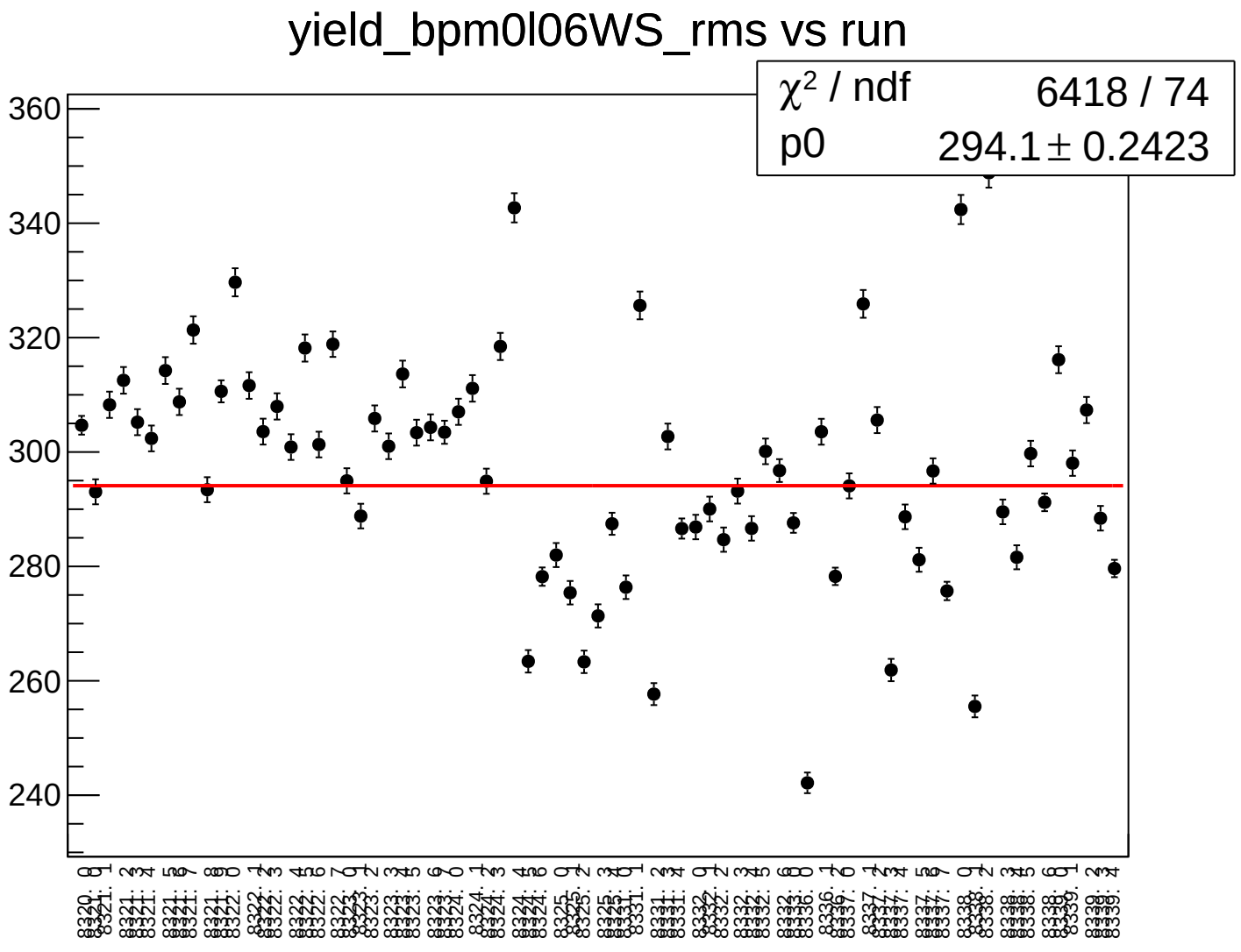

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 1.515e+05 / 74
p0 1.413e+05 ± 0.3643
141.6
141.5
141.4
141.3
141.2
141.1
141
pull
Entries 75
Mean −29.85
Std Dev 0
100
50
0
−50
−100

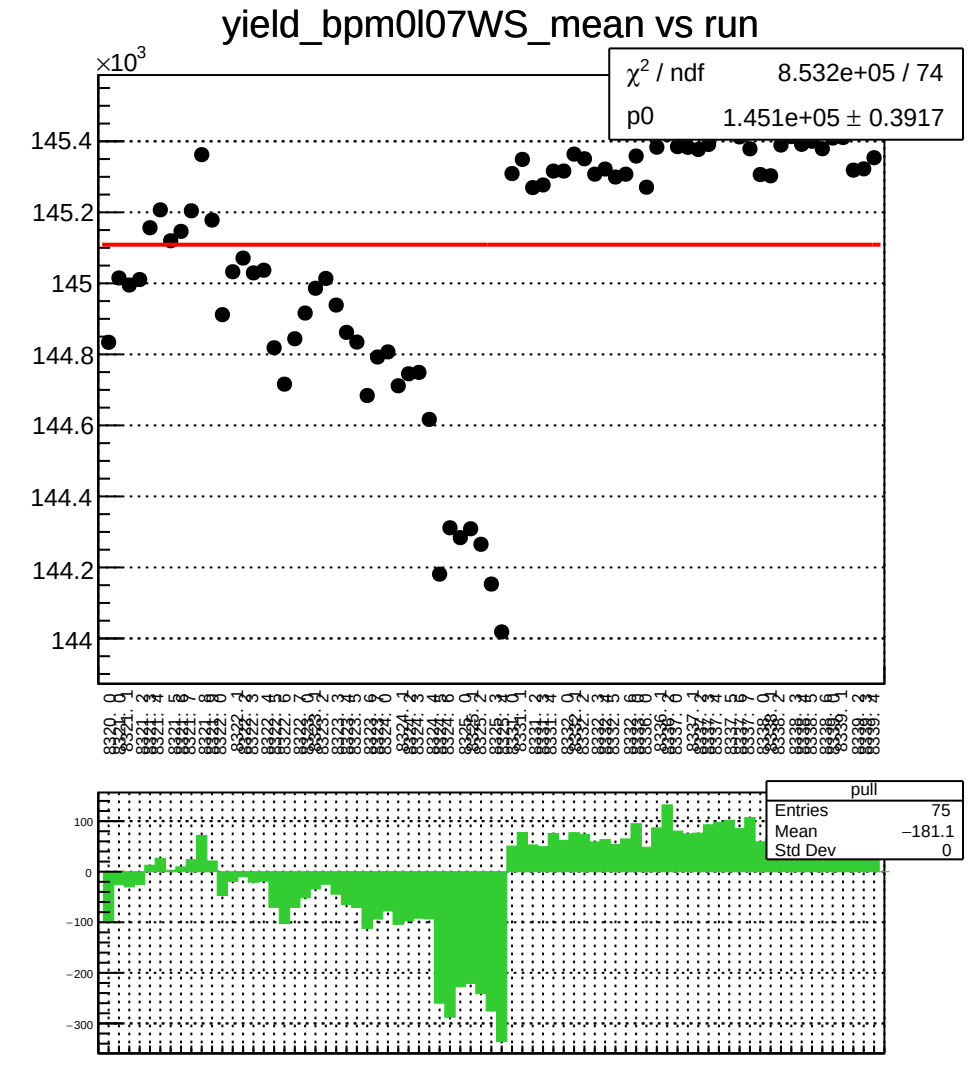

pull1D
Entries 75
Mean 0.2258
Std Dev 4.609
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

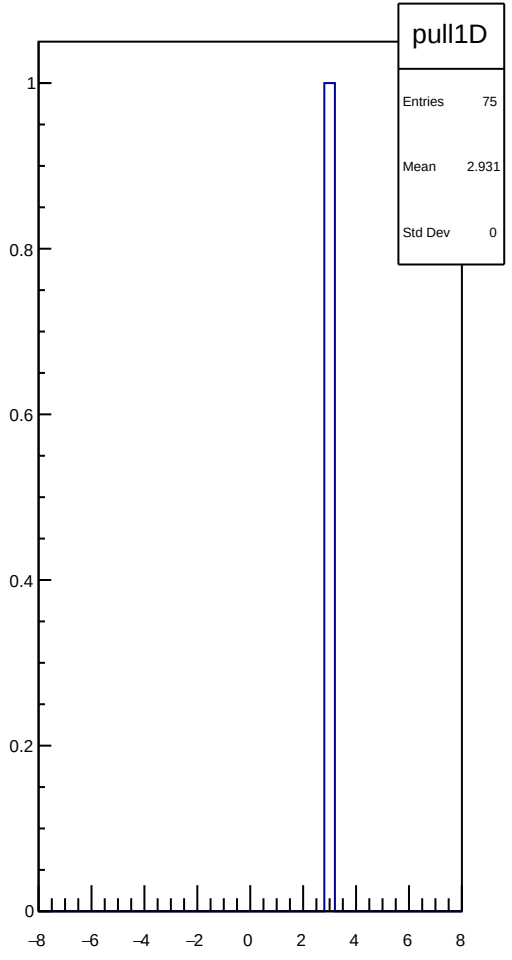

yield_bpm0l05WS_rms vs run
χ² / ndf 4703 / 74
p0 312.9 ± 0.2576
360
340
320
300
280
260

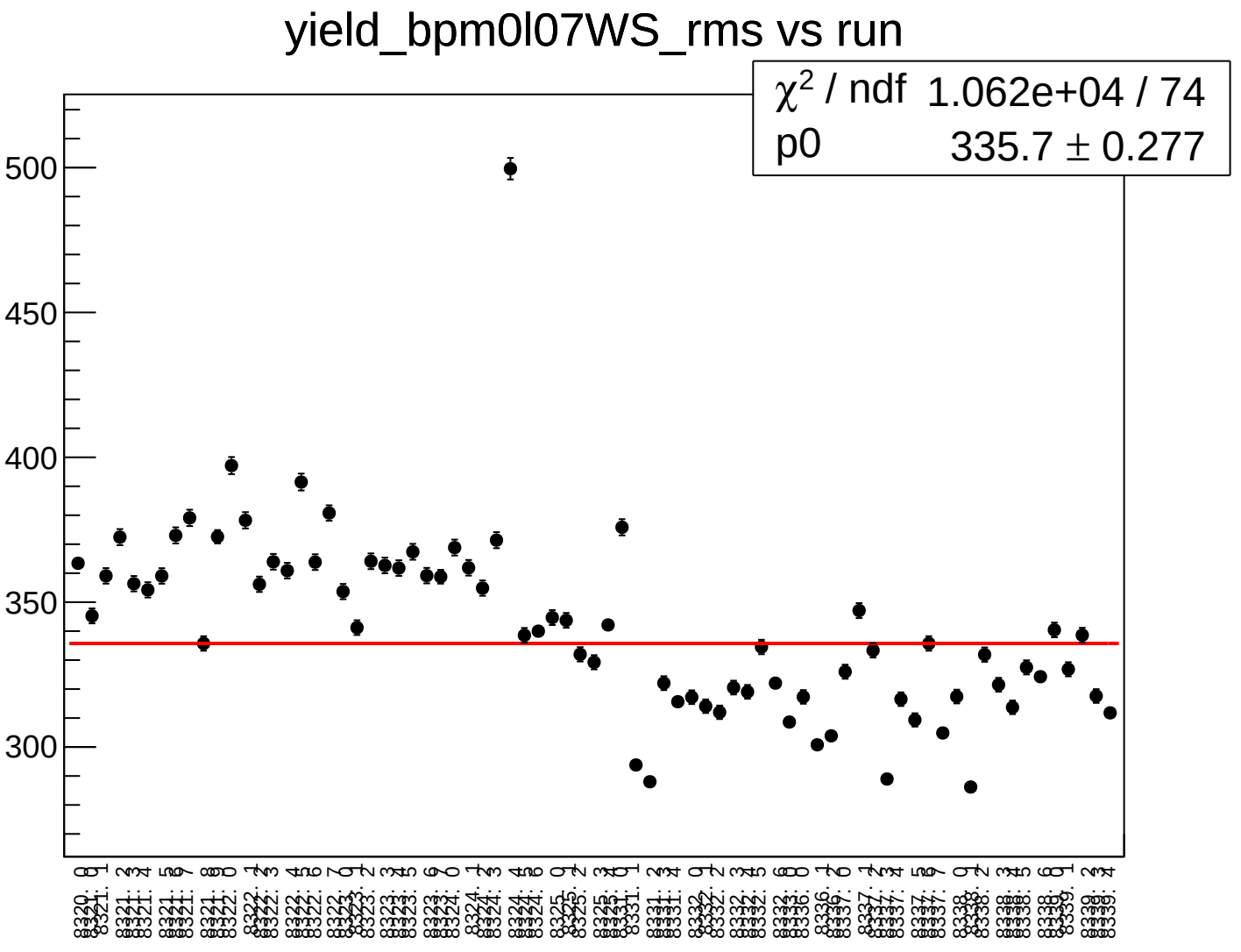

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 2.098e+05 / 74
p0 1.294e+05 ± 0.3426
129.8
129.7
129.6
129.5
129.4
129.3
129.2
129.1
pull
Entries 75
Mean 296.7
Std Dev 0
150
100
50
0
−50
−100

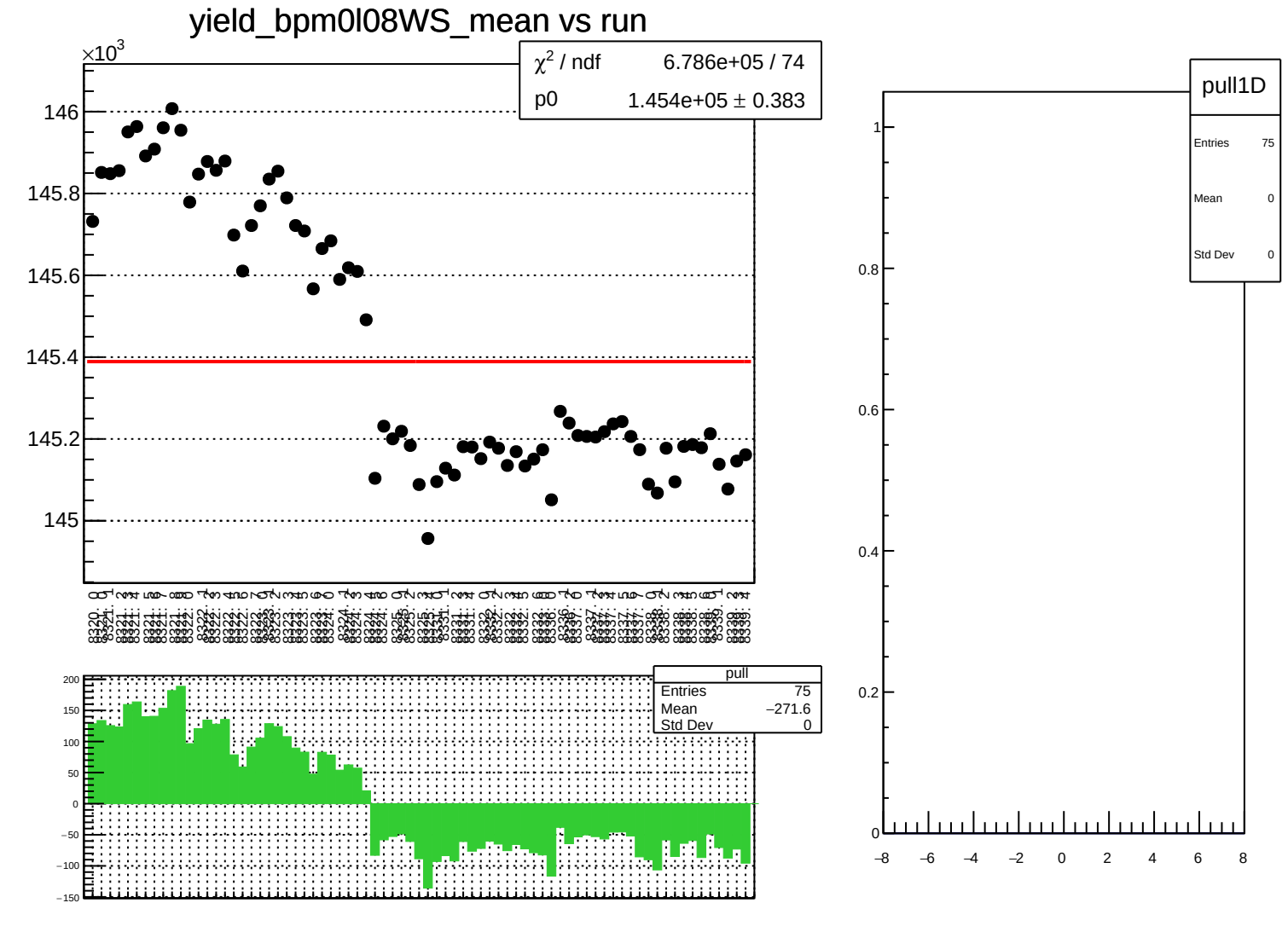

pull1D
Entries 75
Mean −1.51
Std Dev 4.443
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

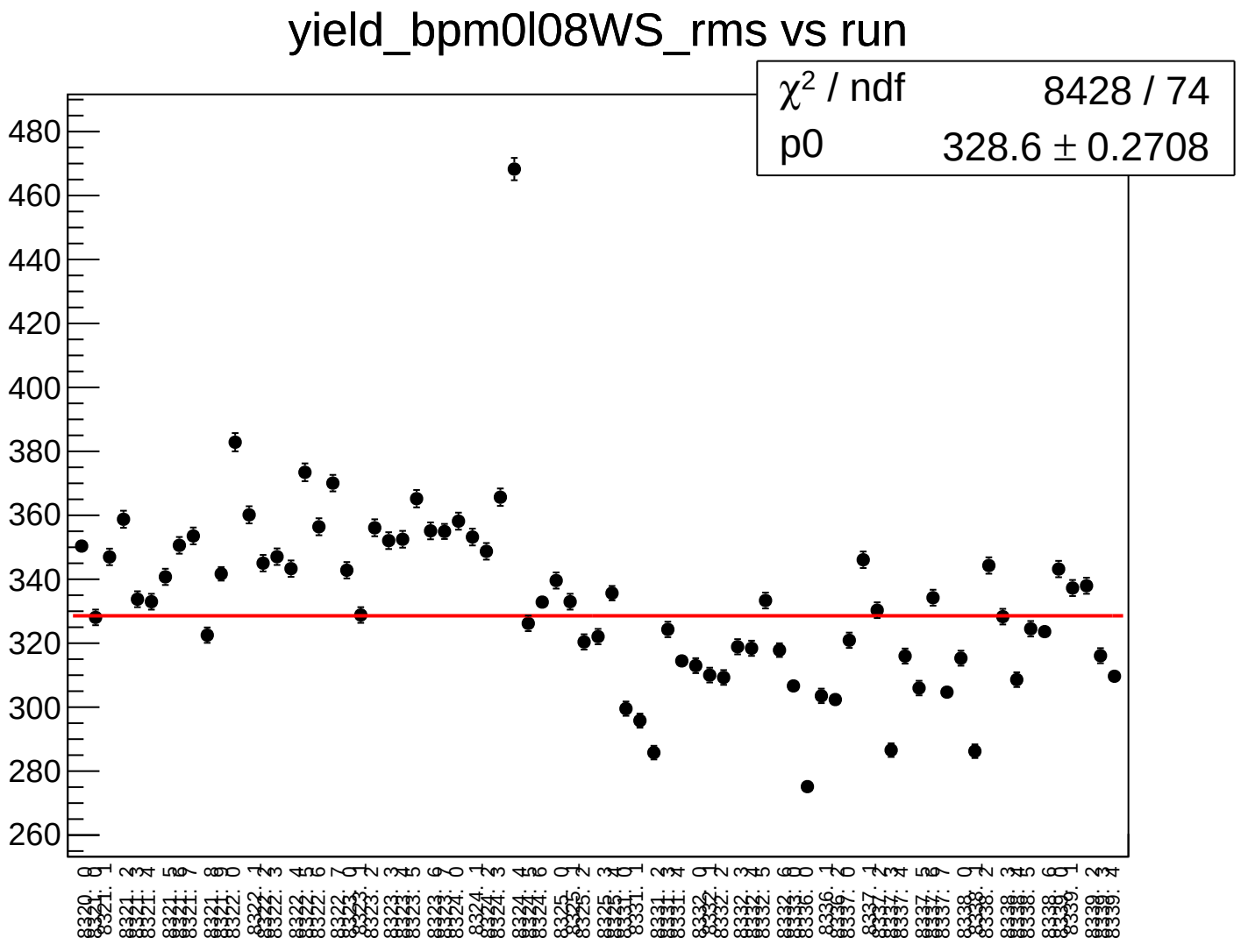

yield_bpm0l06WS_rms vs run
χ² / ndf 6418 / 74
p0 294.1 ± 0.2423
360
340
320
300
280
260
240

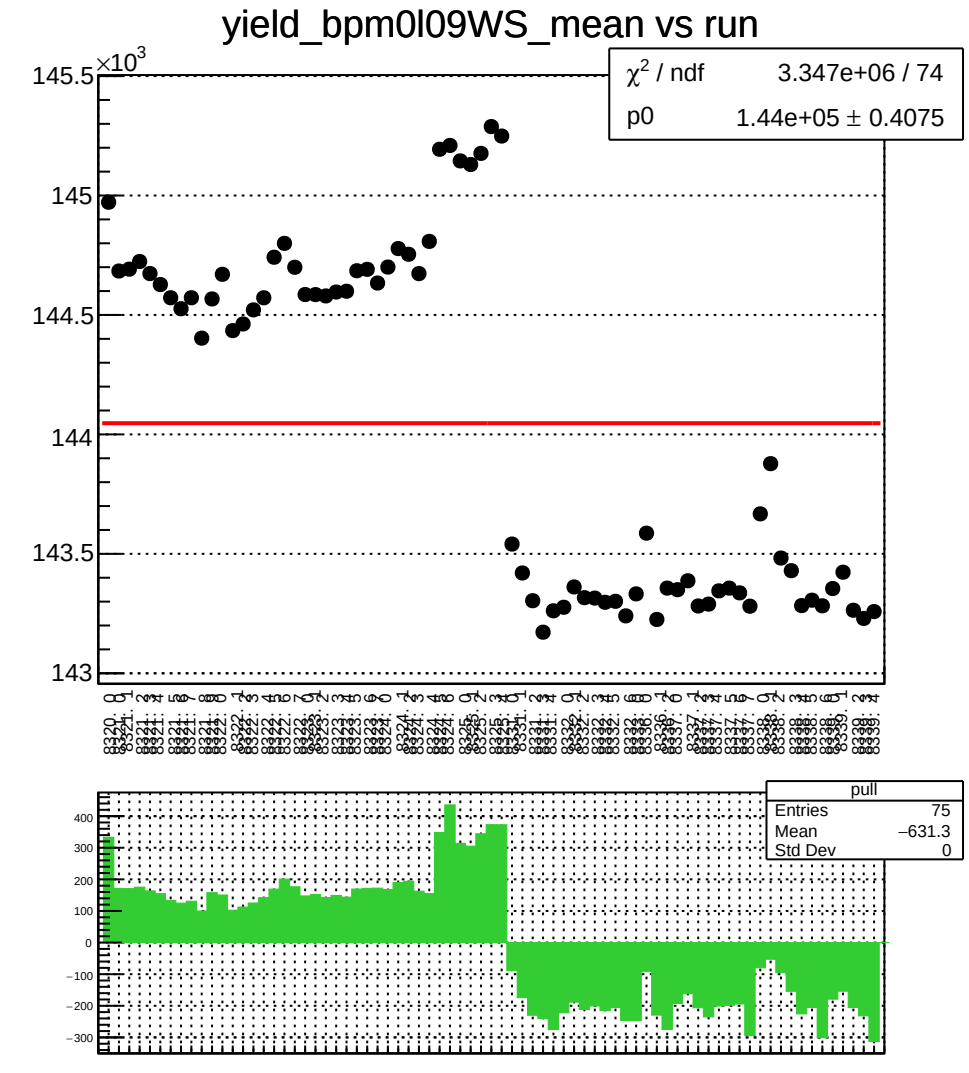

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 8.532e+05 / 74
p0 1.451e+05 ± 0.3917
145.4
145.2
145
144.8
144.6
144.4
144.2
144
pull
Entries 75
Mean −181.1
Std Dev 0
100
0
−100
−200
−300

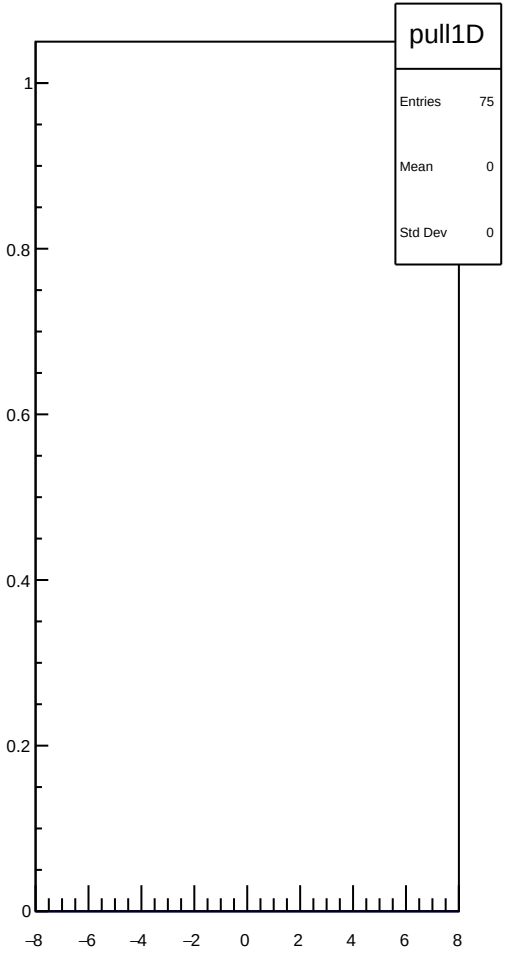

pull1D
Entries 75
Mean 2.931
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

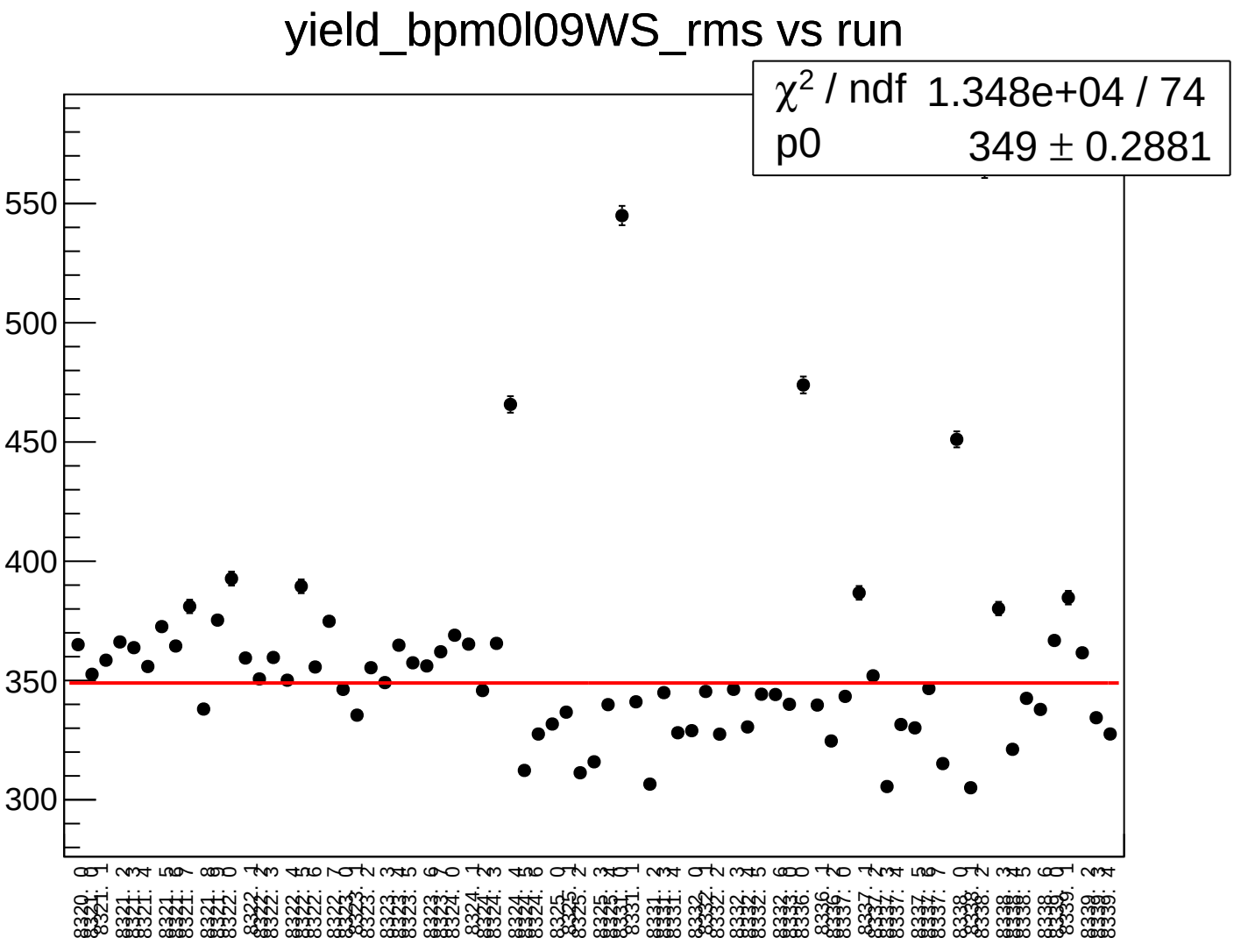

yield_bpm0l07WS_rms vs run
χ² / ndf 1.062e+04 / 74
p0 335.7 ± 0.277
500
450
400
350
300

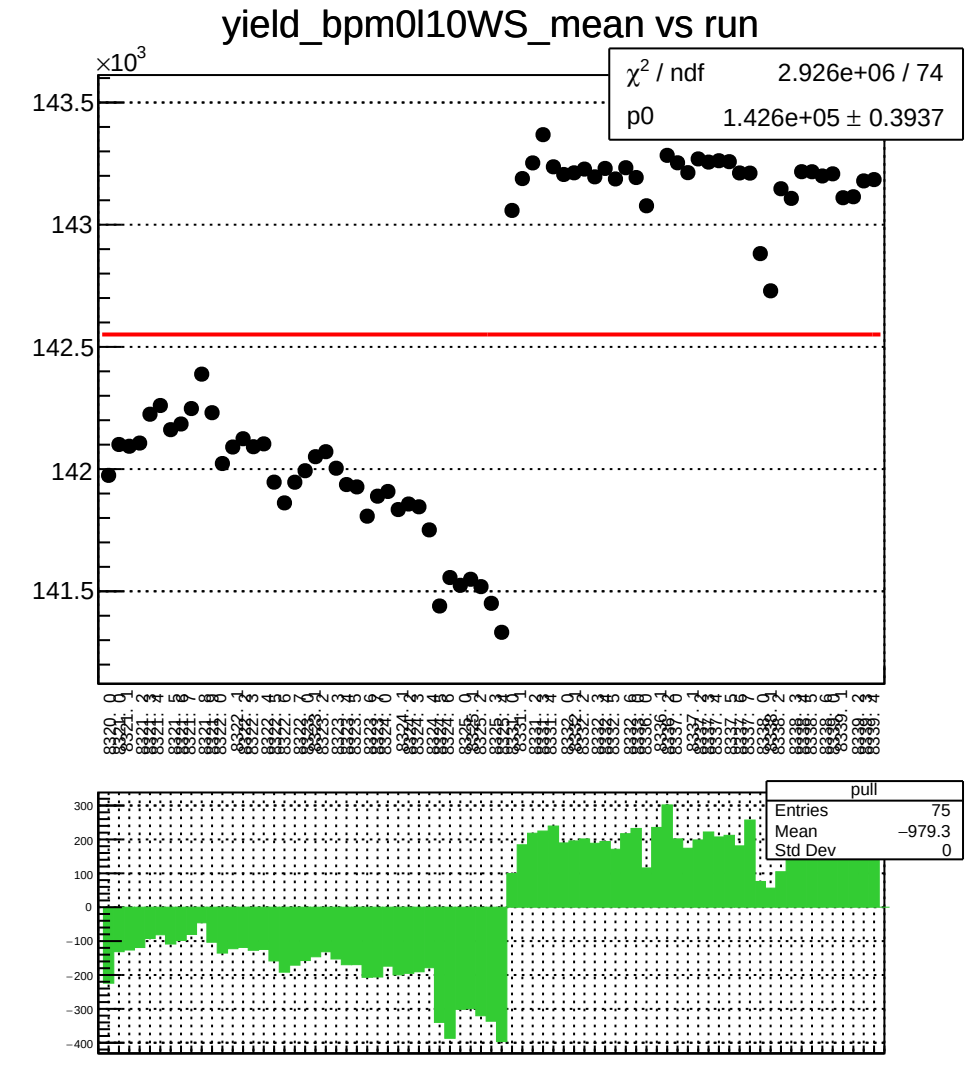

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 6.786e+05 / 74
p0 1.454e+05 ± 0.383
146
145.8
145.6
145.4
145.2
145
pull
Entries 75
Mean −271.6
Std Dev 0
200
150
100
50
0
−50
−100
−150
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

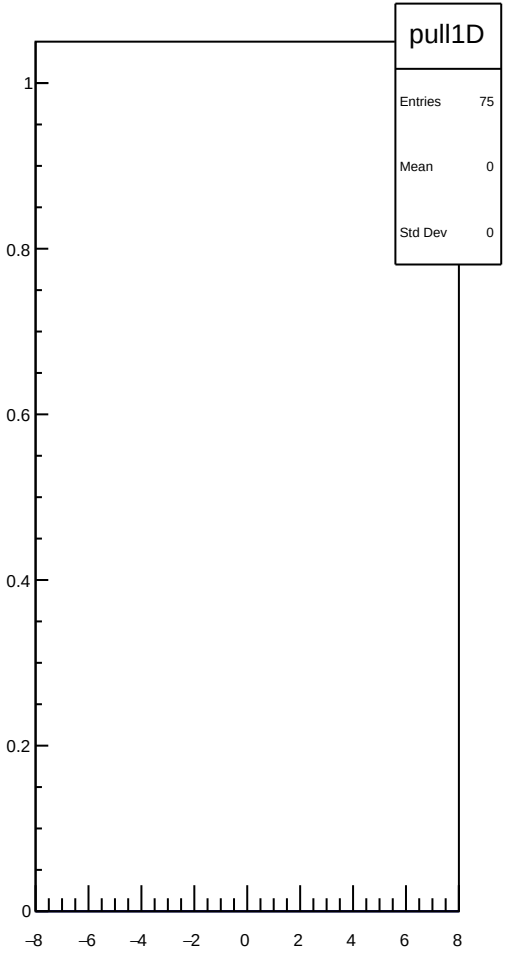

yield_bpm0l08WS_rms vs run
χ² / ndf 8428 / 74
p0 328.6 ± 0.2708
480
460
440
420
400
380
360
340
320
300
280
260

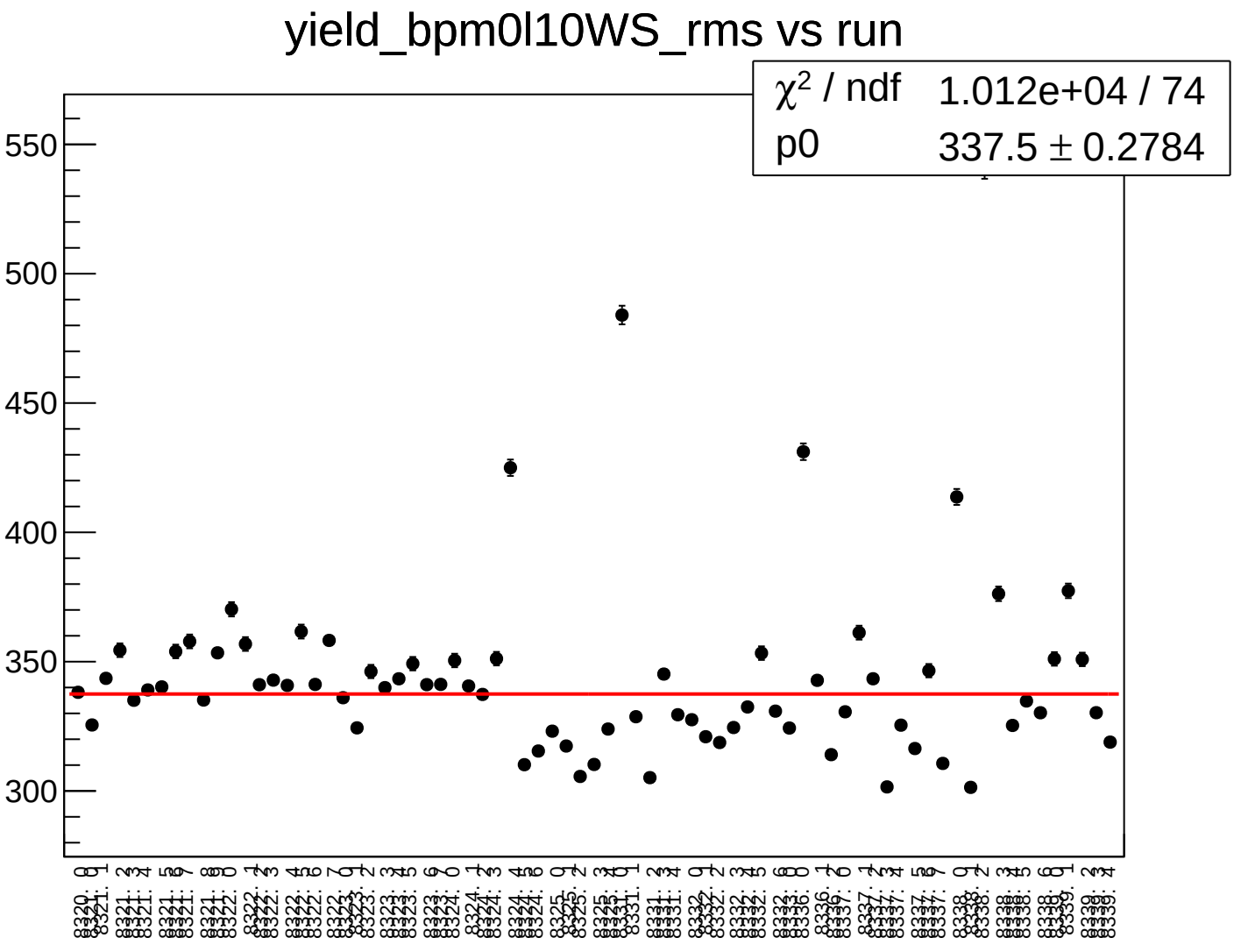

yield_bpm0l09WS_mean vs run
×10^3
145.5
145
144.5
144
143.5
143
χ² / ndf 3.347e+06 / 74
p0 1.44e+05 ± 0.4075
pull
Entries 75
Mean −631.3
Std Dev 0
400
300
200
100
0
−100
−200
−300

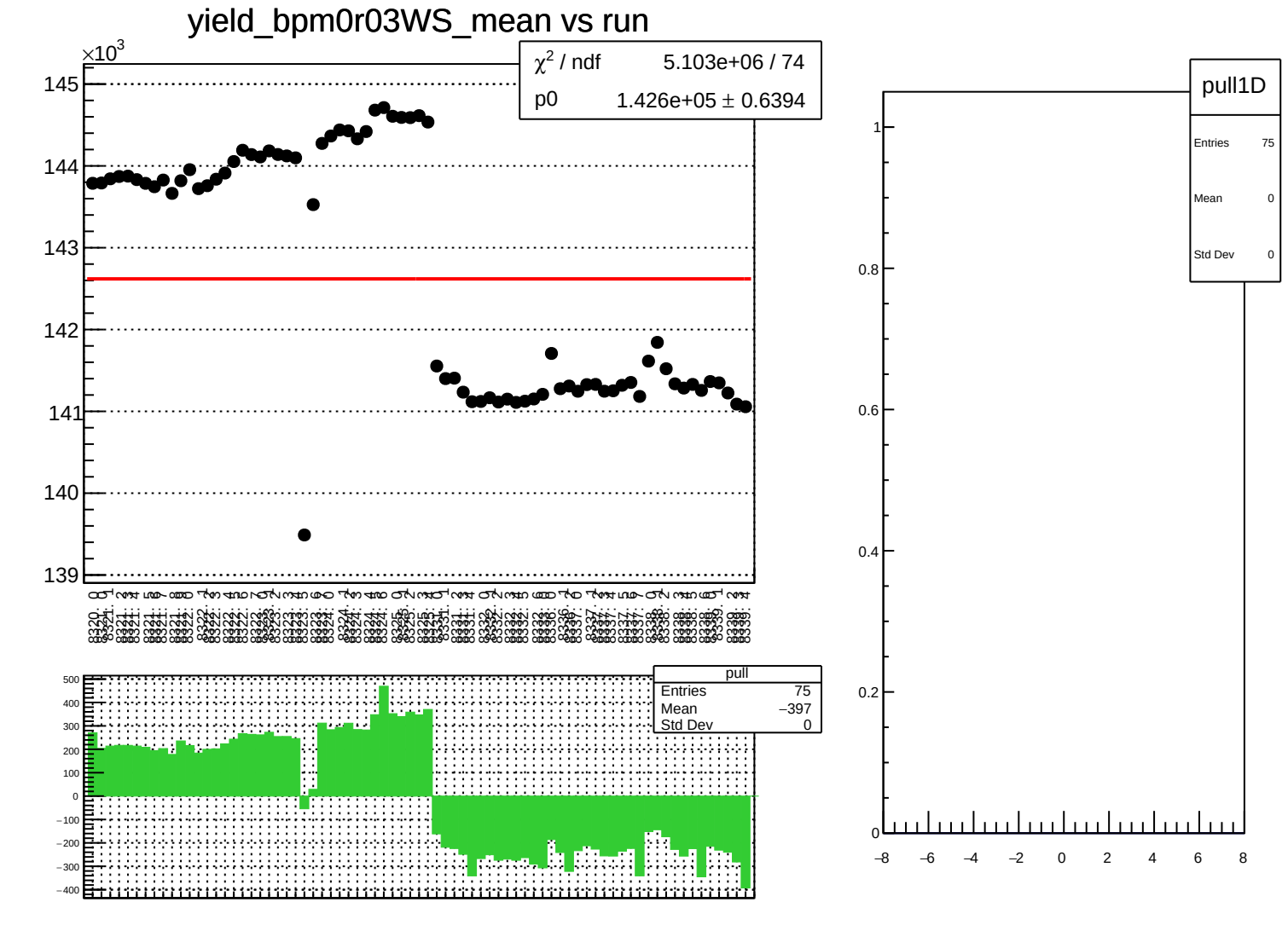

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

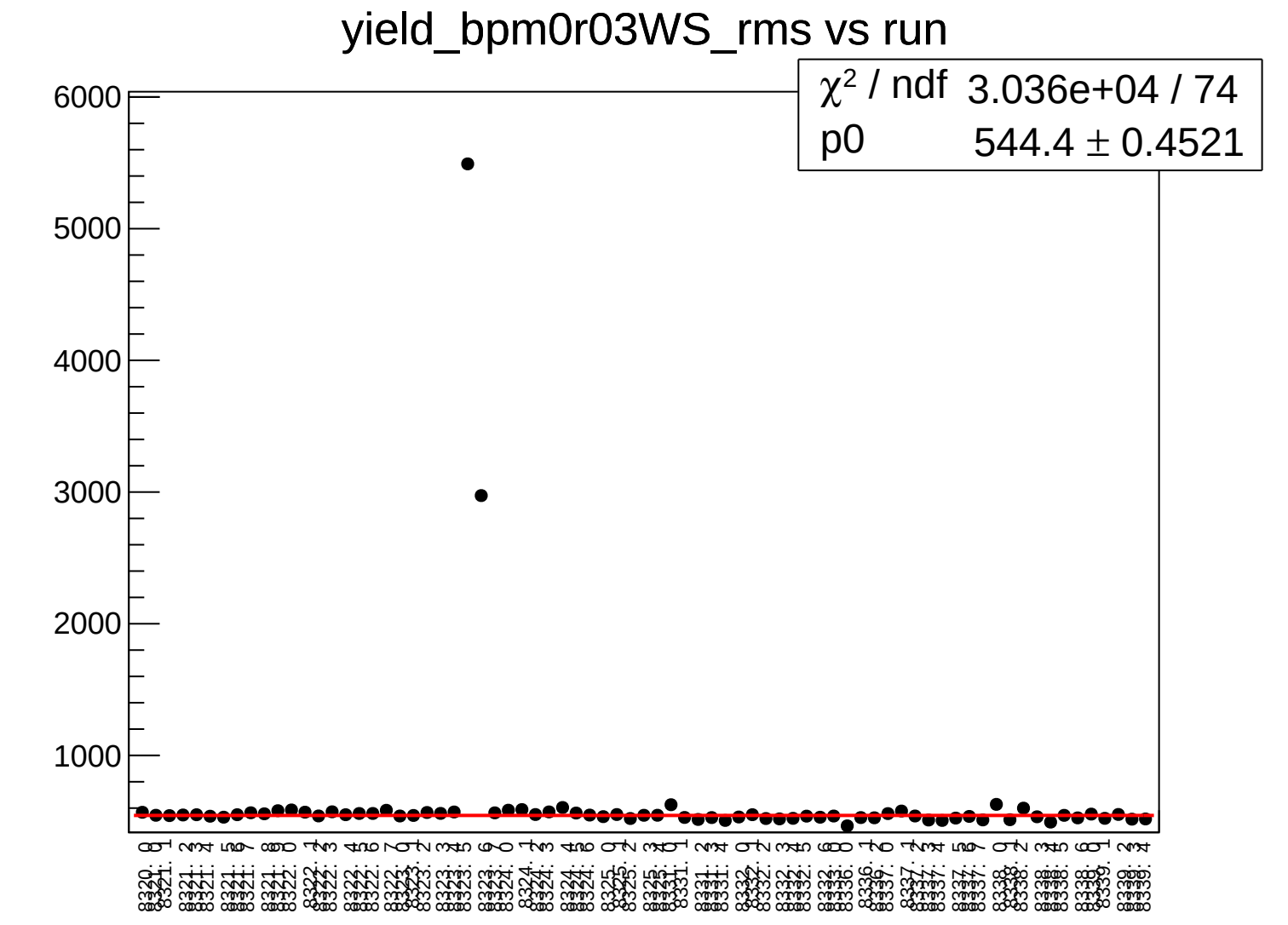

yield_bpm0l09WS_rms vs run
χ² / ndf 1.348e+04 / 74
p0 349 ± 0.2881
550
500
450
400
350
300

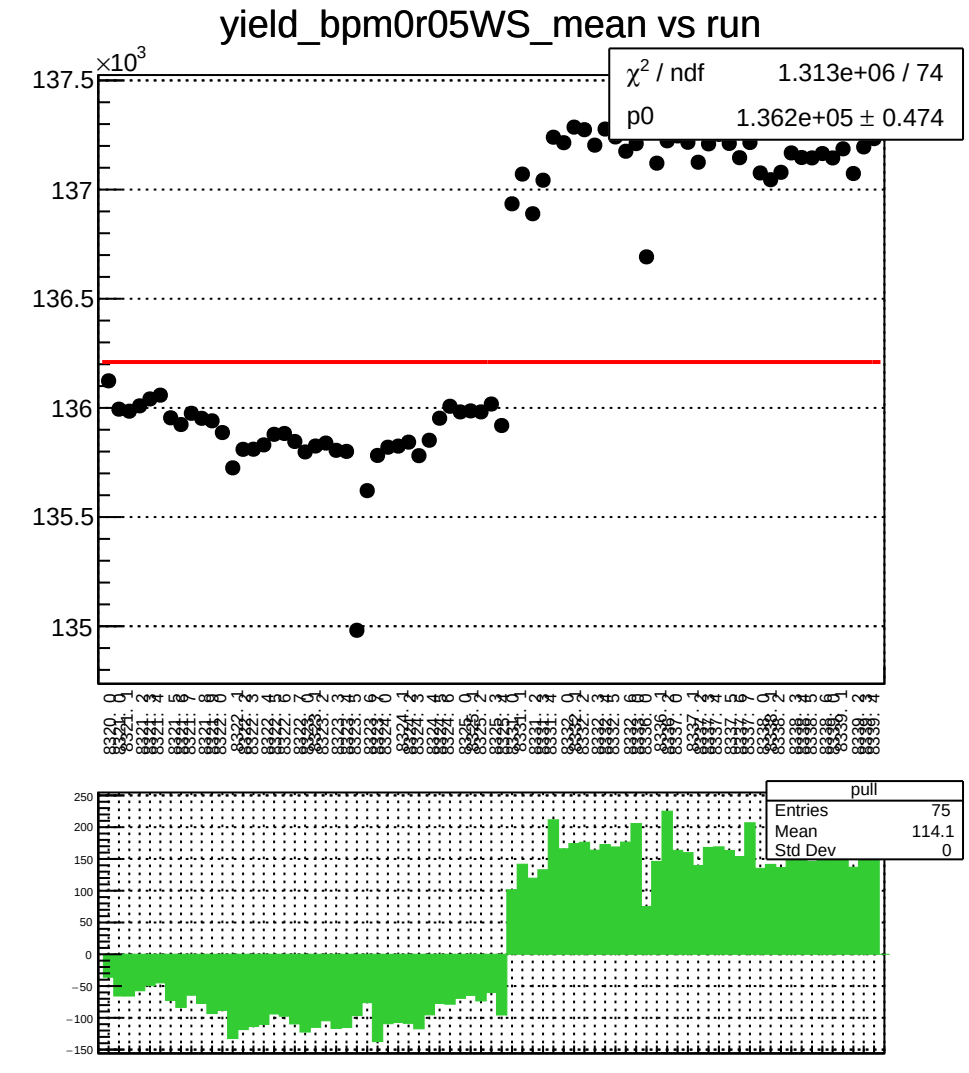

yield_bpm0l10WS_mean vs run
×10^3
143.5
143
142.5
142
141.5
χ² / ndf 2.926e+06 / 74
p0 1.426e+05 ± 0.3937
pull
Entries 75
Mean −979.3
Std Dev 0
300
200
100
0
−100
−200
−300
−400

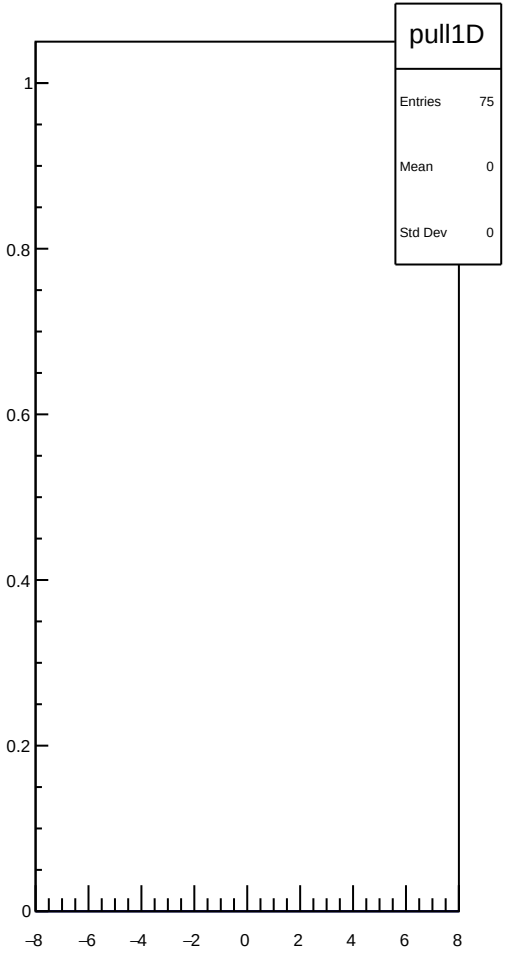

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

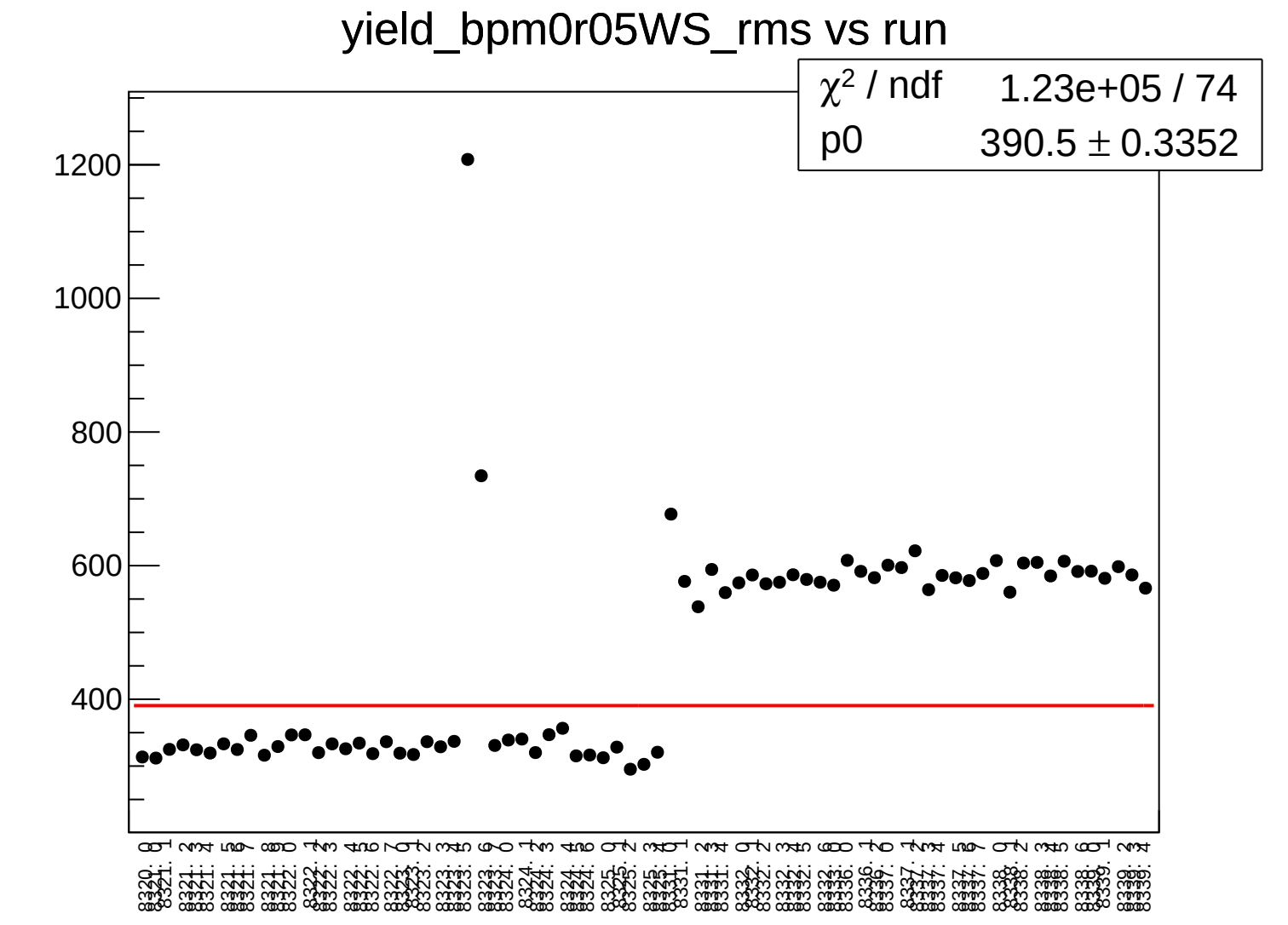

yield_bpm0l10WS_rms vs run
χ² / ndf 1.012e+04 / 74
p0 337.5 ± 0.2784
550
500
450
400
350
300

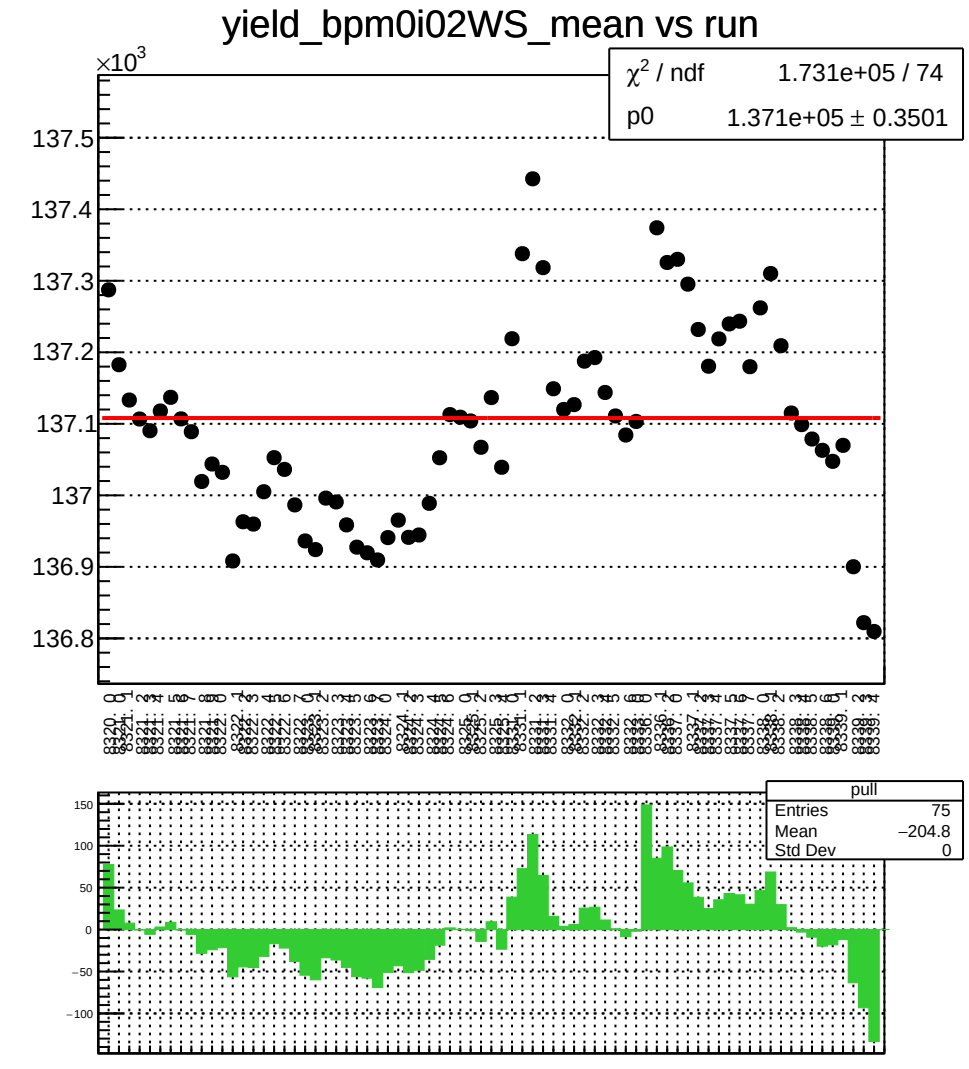

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 5.103e+06 / 74
p0 1.426e+05 ± 0.6394
145
144
143
142
141
140
139
pull
Entries 75
Mean −397
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

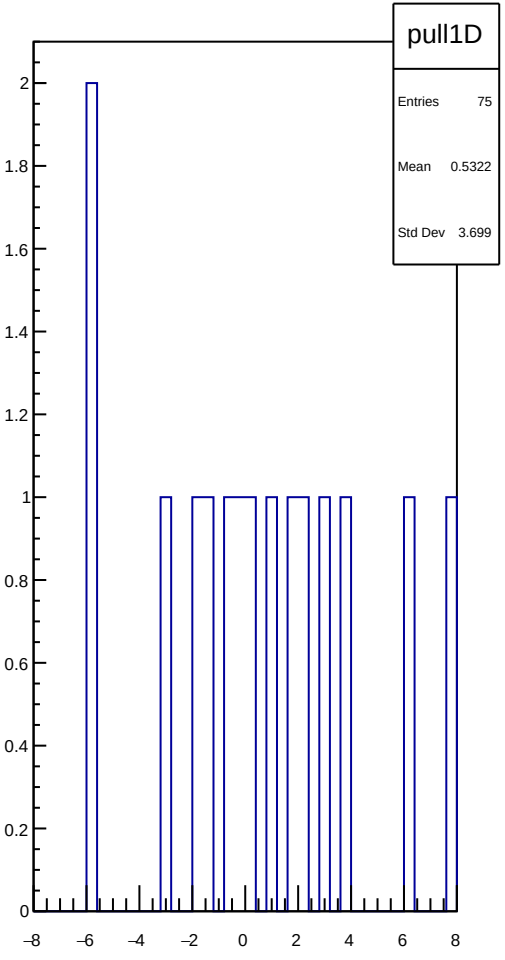

yield_bpm0r03WS_rms vs run
χ² / ndf 3.036e+04 / 74
p0 544.4 ± 0.4521
6000
5000
4000
3000
2000
1000

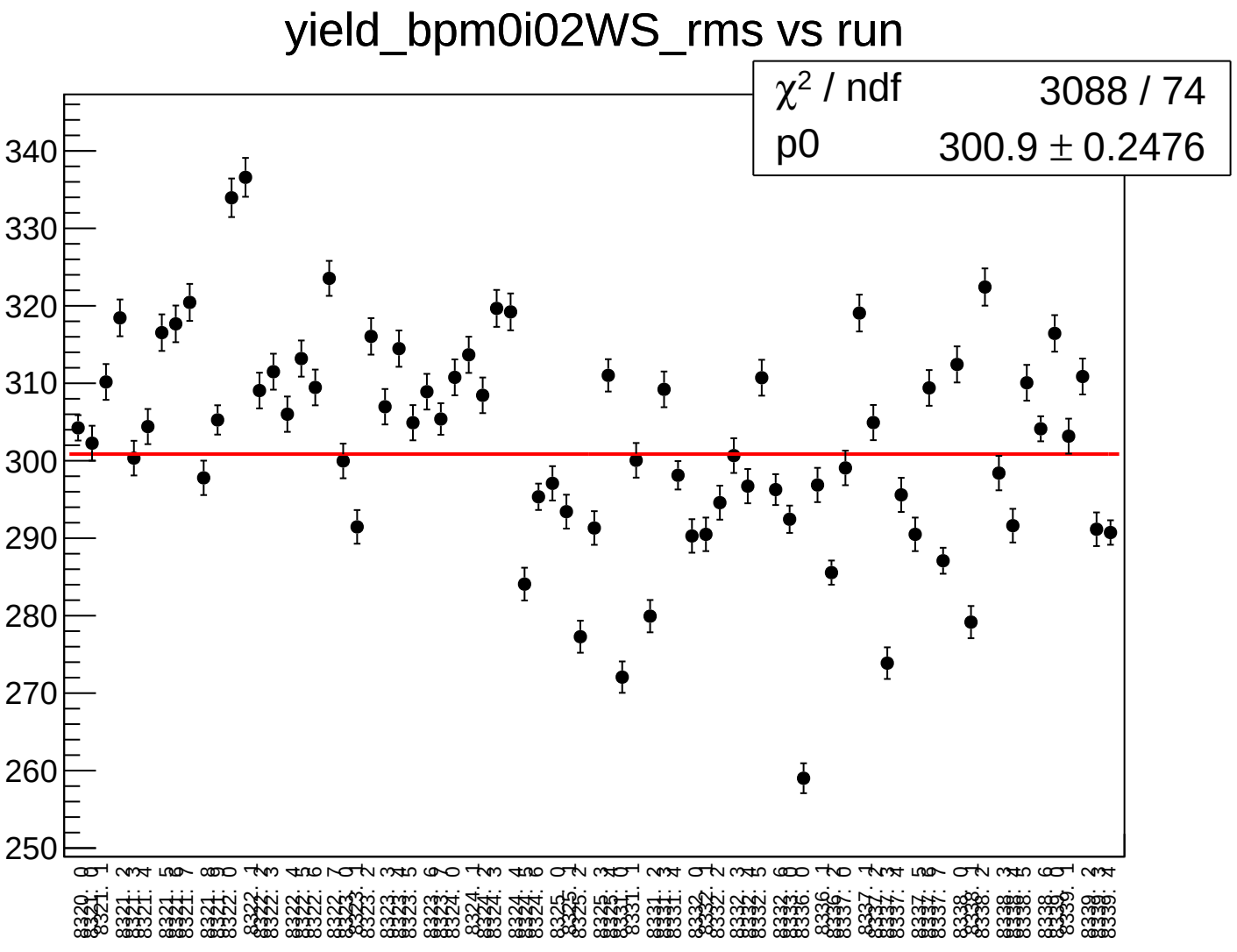

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 1.313e+06 / 74
p0 1.362e+05 ± 0.474
137.5
137
136.5
136
135.5
135
pull
Entries 75
Mean 114.1
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

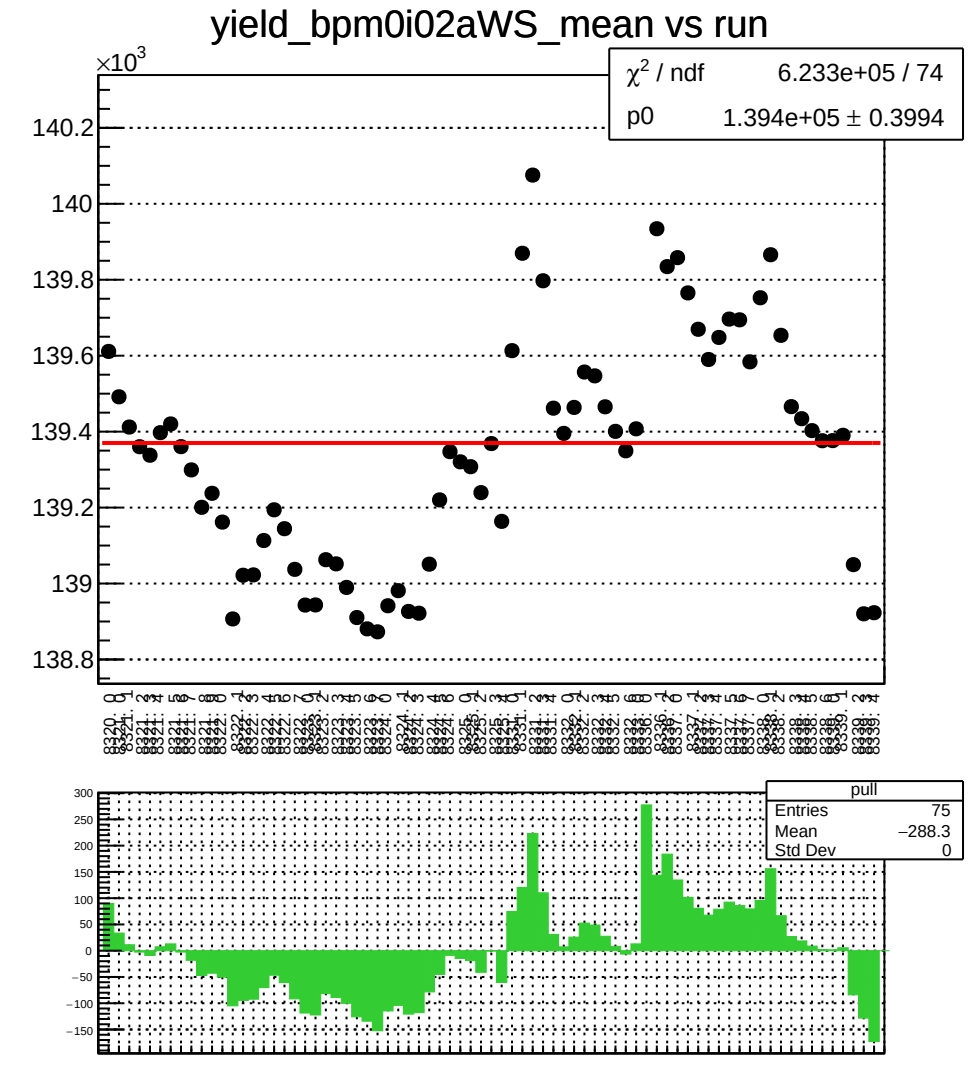

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

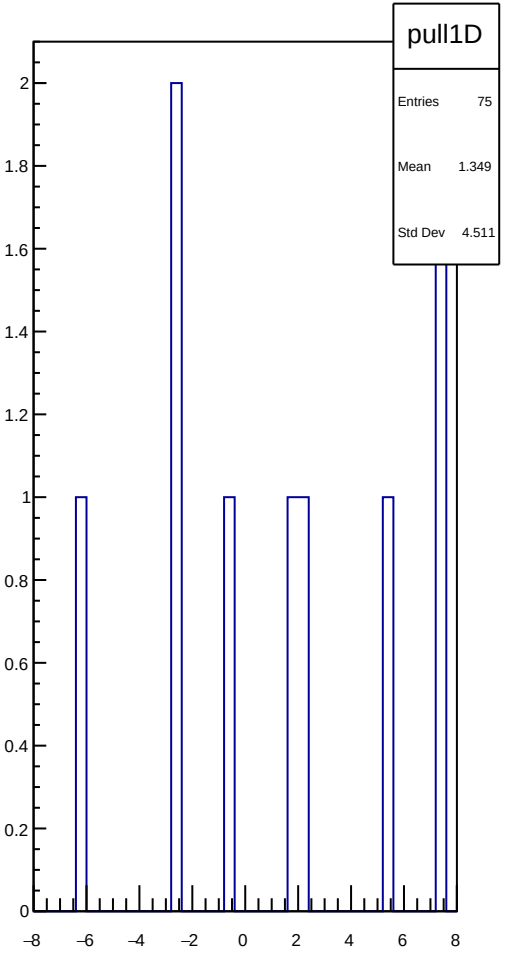

yield_bpm0r05WS_rms vs run
χ² / ndf 1.23e+05 / 74
p0 390.5 ± 0.3352
1200
1000
800
600
400

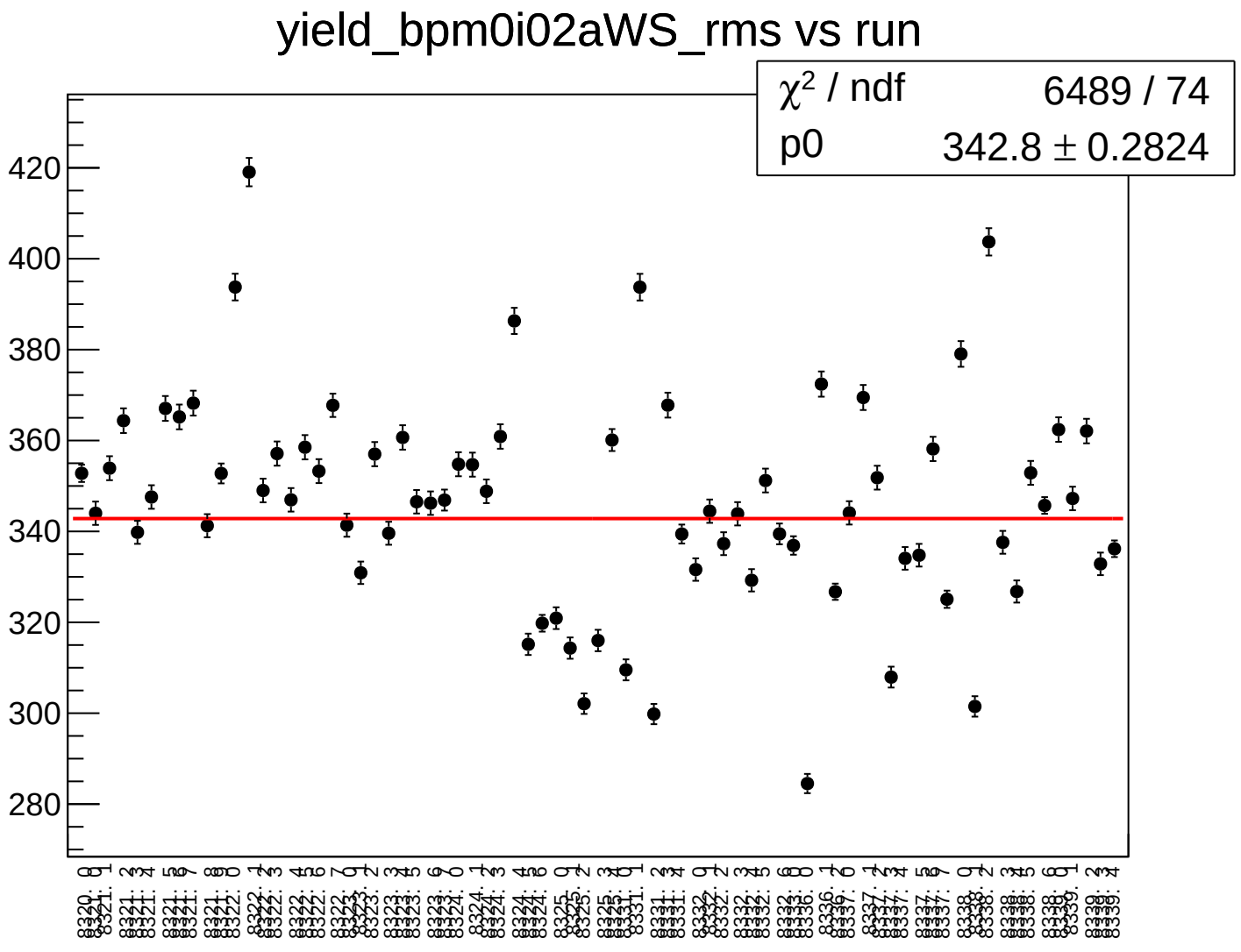

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.731e+05 / 74
p0 1.371e+05 ± 0.3501
137.5
137.4
137.3
137.2
137.1
137
136.9
136.8
pull
Entries 75
Mean −204.8
Std Dev 0
150
100
50
0
−50
−100

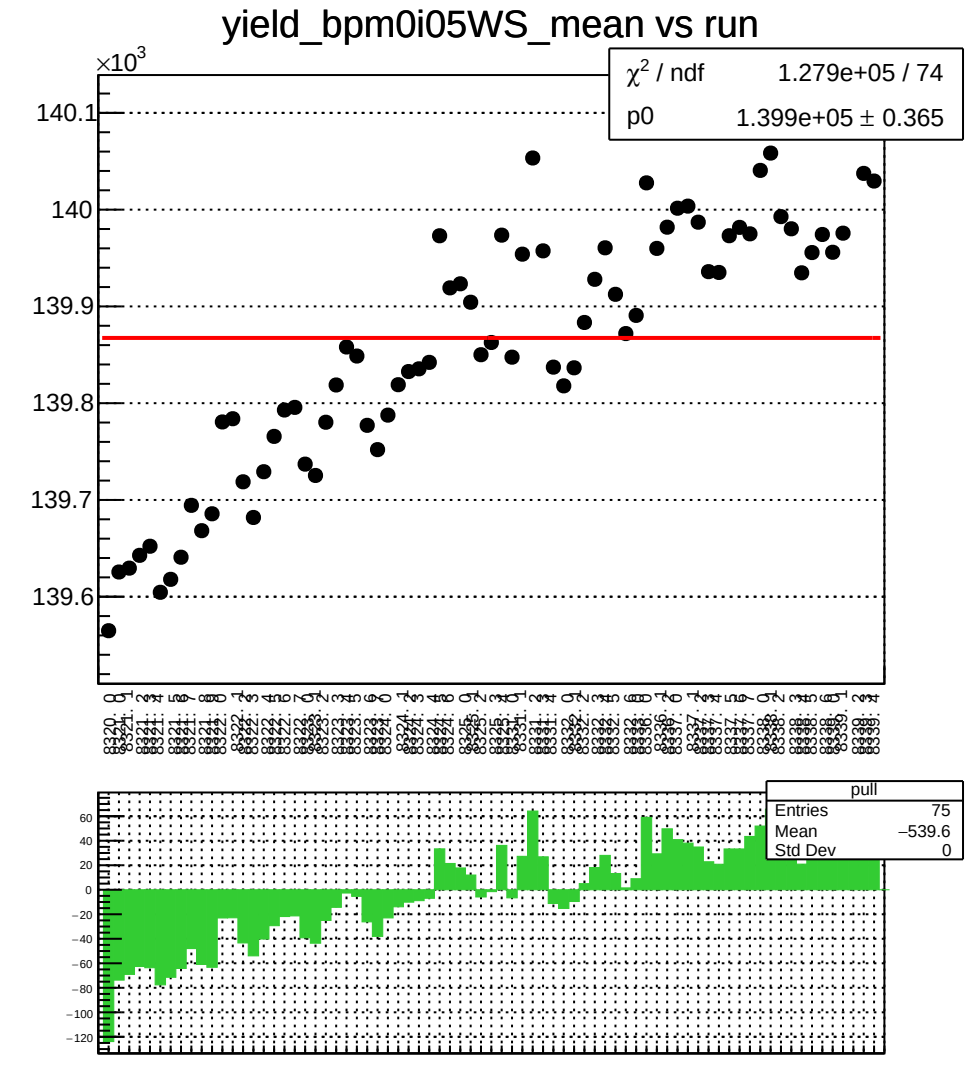

pull1D
Entries 75
Mean 0.5322
Std Dev 3.699
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

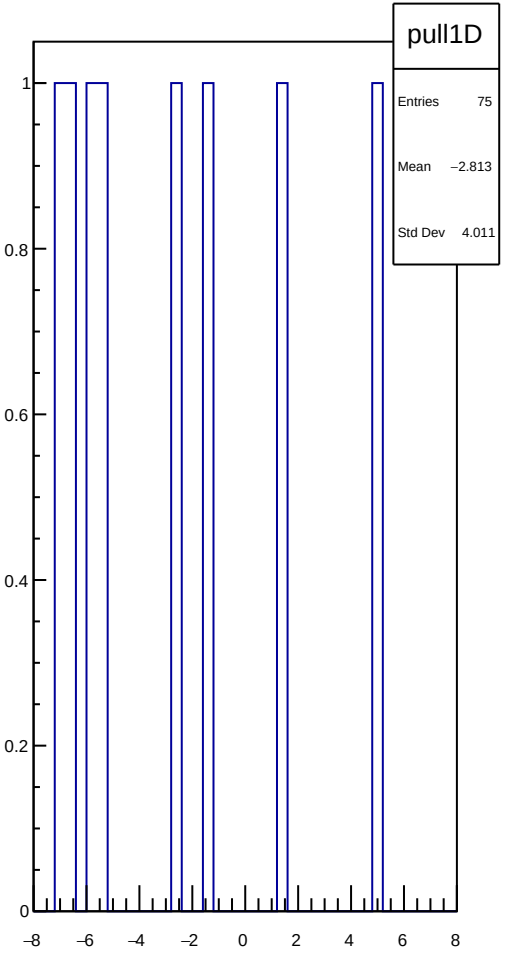

yield_bpm0i02WS_rms vs run
χ² / ndf 3088 / 74
p0 300.9 ± 0.2476
340
330
320
310
300
290
280
270
260
250

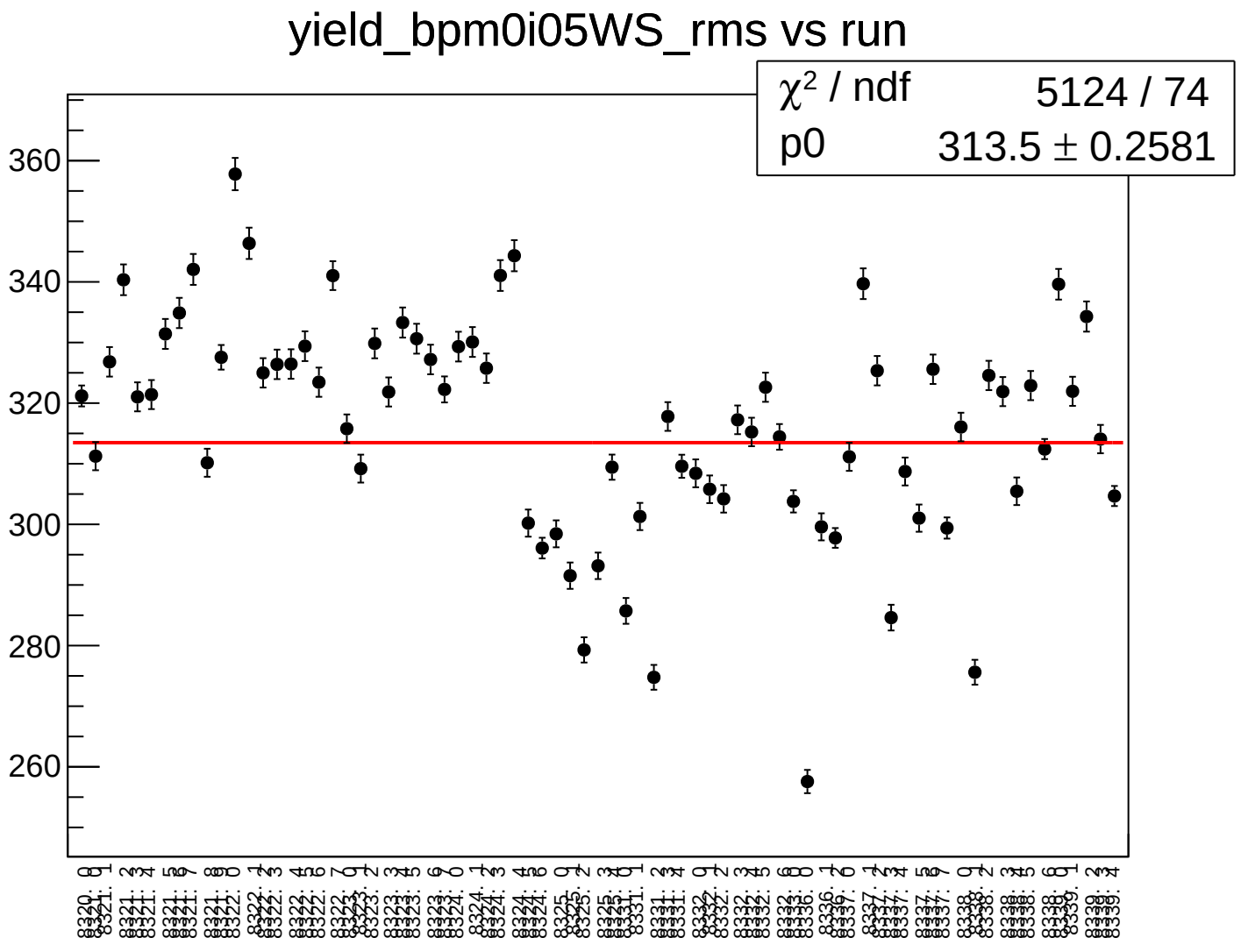

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 6.233e+05 / 74
p0 1.394e+05 ± 0.3994
140.2
140
139.8
139.6
139.4
139.2
139
138.8
pull
Entries 75
Mean −288.3
Std Dev 0
300
250
200
150
100
50
0
−50
−100
−150

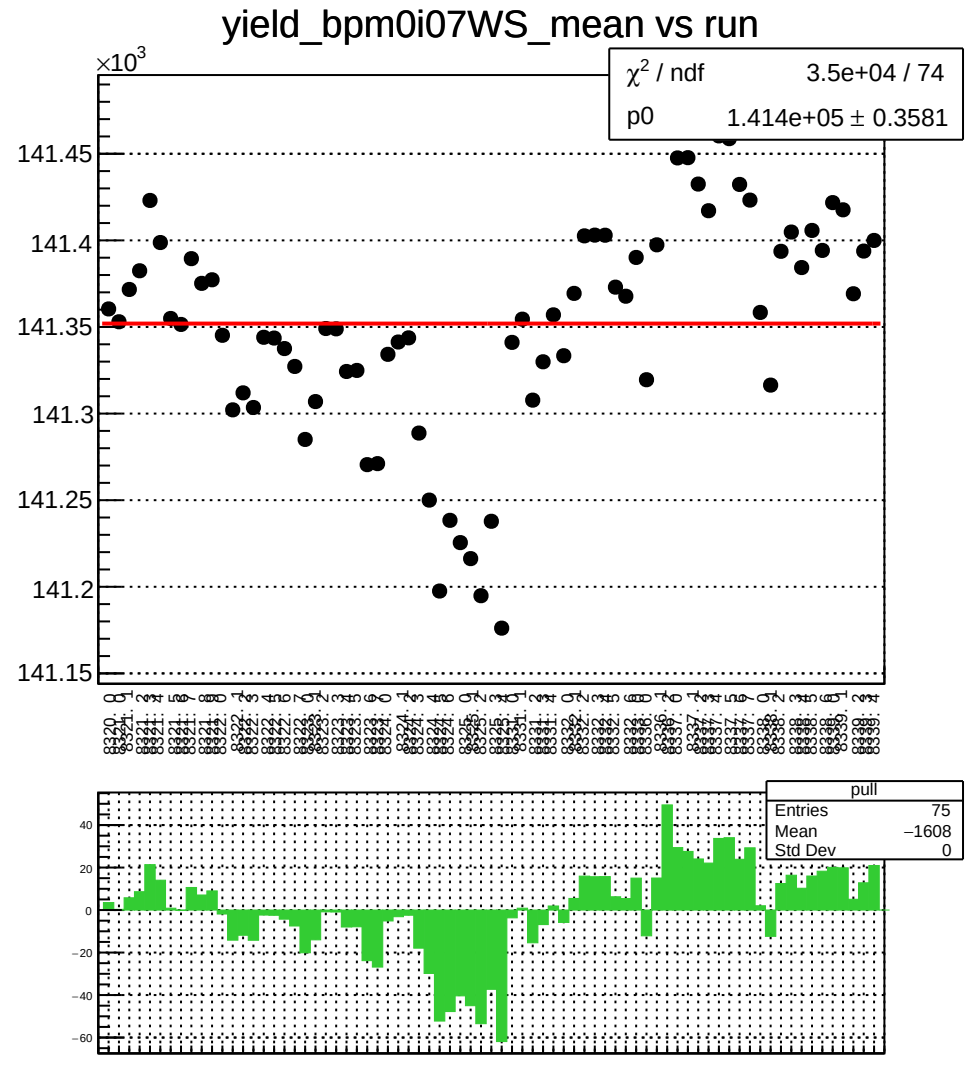

pull1D
Entries 75
Mean 1.349
Std Dev 4.511
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

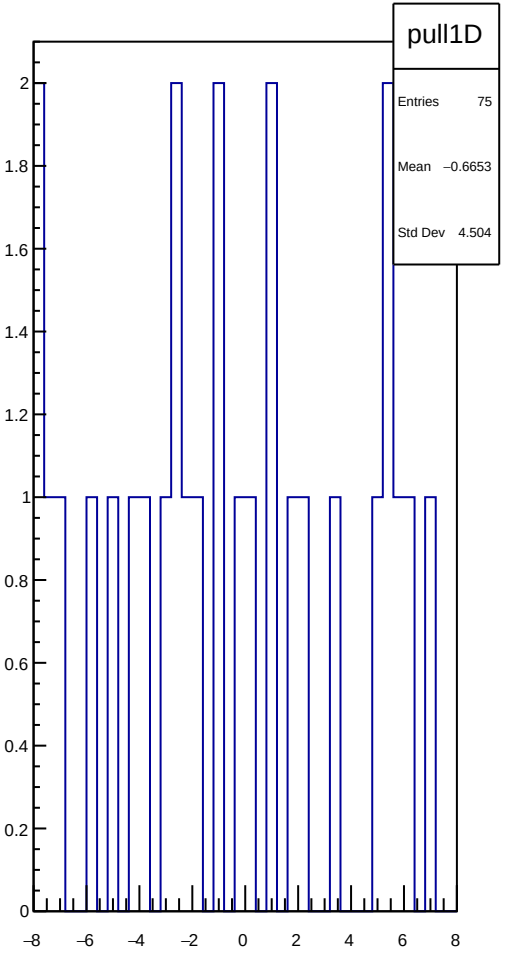

yield_bpm0i02aWS_rms vs run
χ² / ndf 6489 / 74
p0 342.8 ± 0.2824
420
400
380
360
340
320
300
280

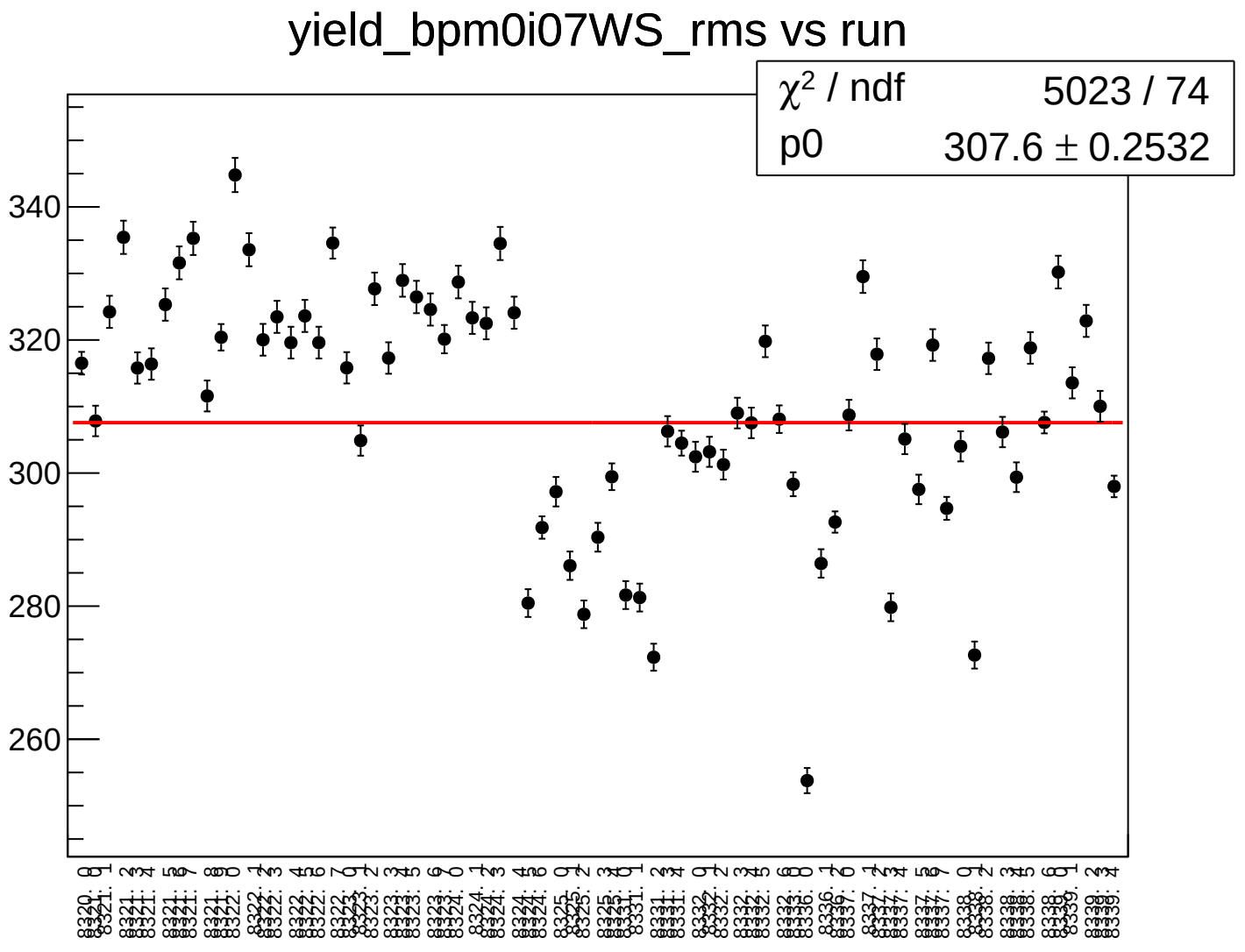

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.279e+05 / 74
p0 1.399e+05 ± 0.365
140.1
140
139.9
139.8
139.7
139.6
pull
Entries 75
Mean −539.6
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120

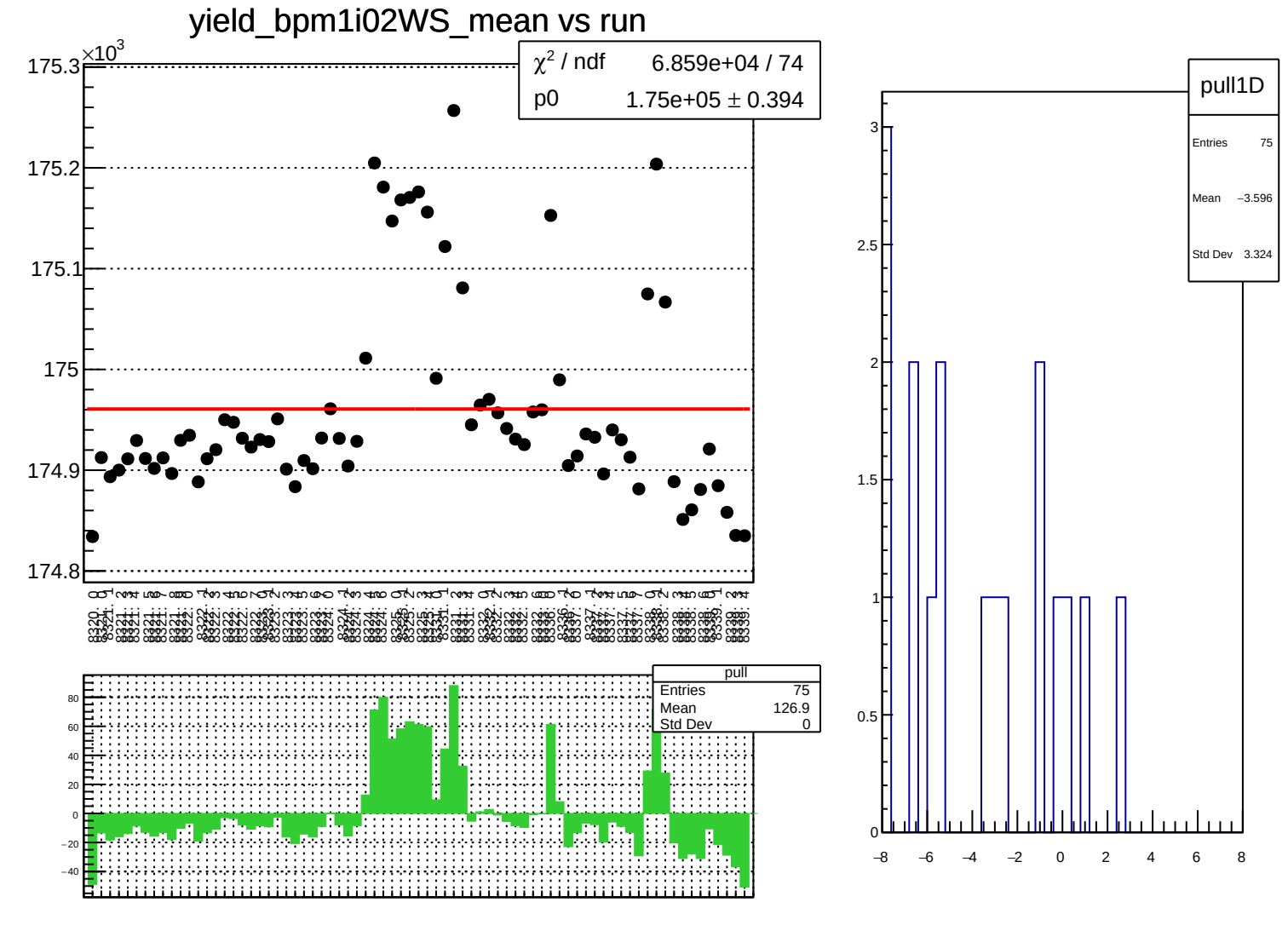

pull1D
Entries 75
Mean −2.813
Std Dev 4.011
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

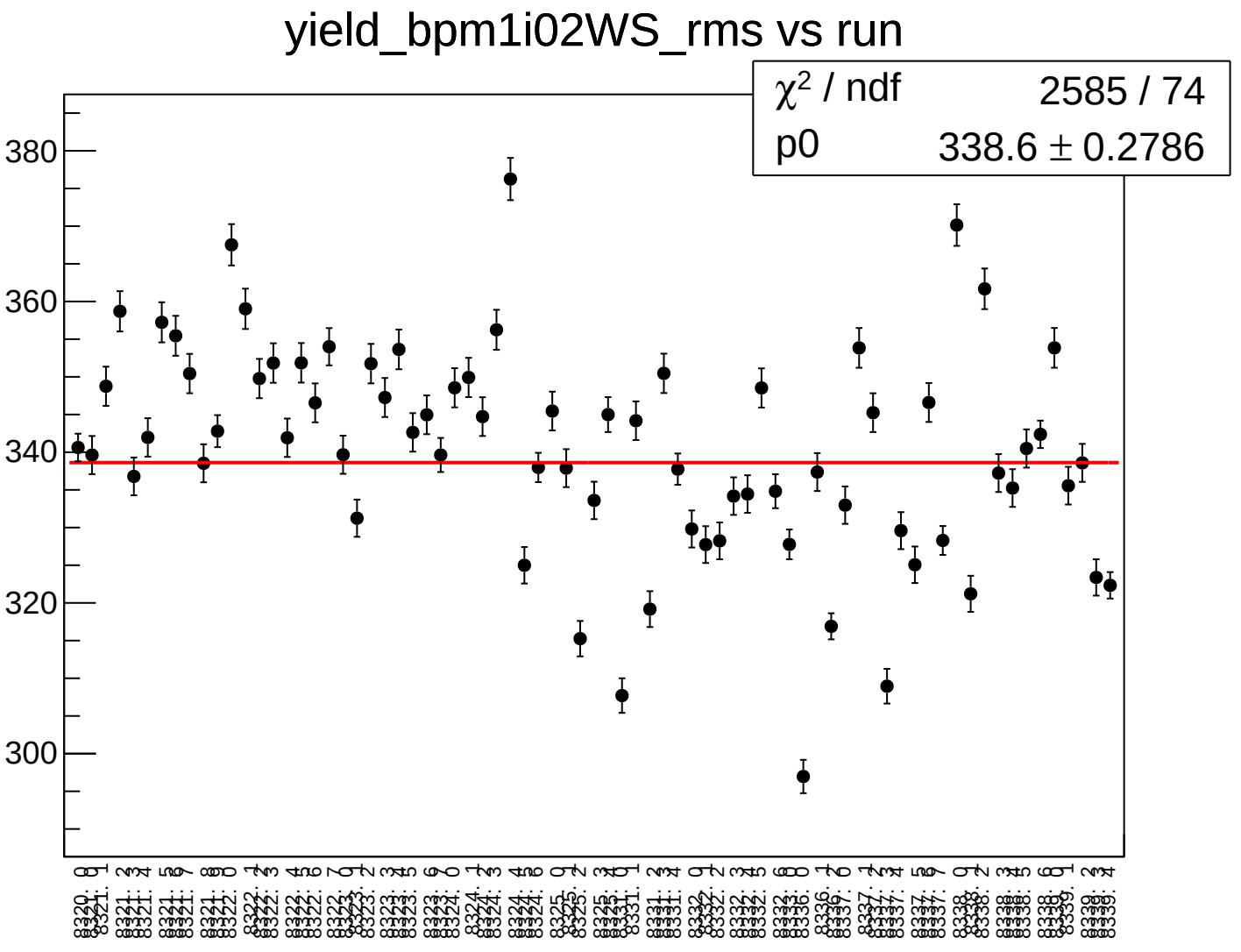

yield_bpm0i05WS_rms vs run
χ² / ndf 5124 / 74
p0 313.5 ± 0.2581
360
340
320
300
280
260

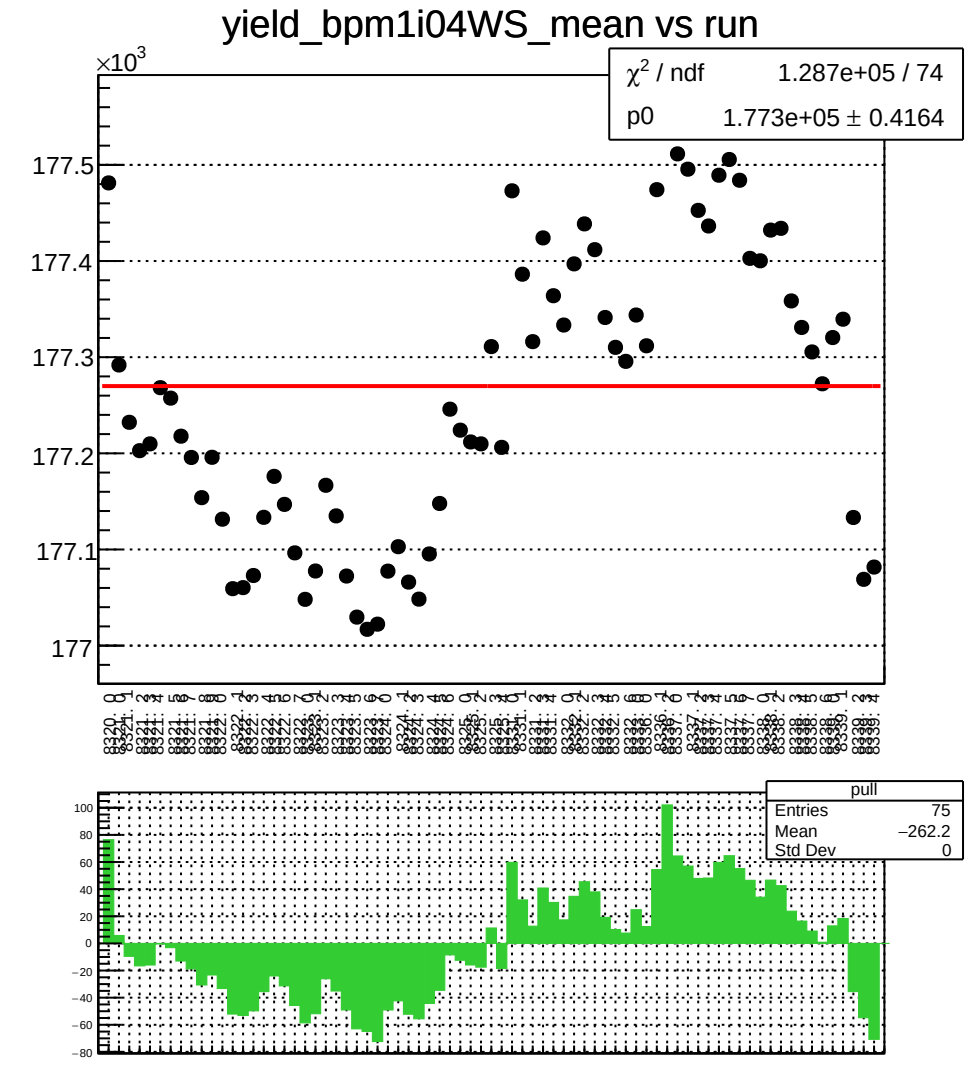

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.5e+04 / 74
p0 1.414e+05 ± 0.3581
141.45
141.4
141.35
141.3
141.25
141.2
141.15
pull
Entries 75
Mean −1608
Std Dev 0
40
20
0
−20
−40
−60

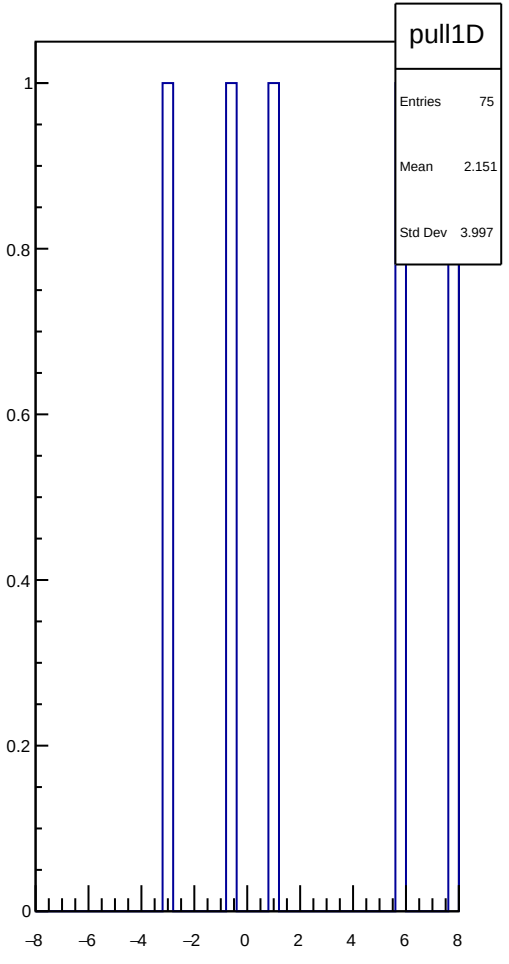

pull1D
Entries 75
Mean −0.6653
Std Dev 4.504
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

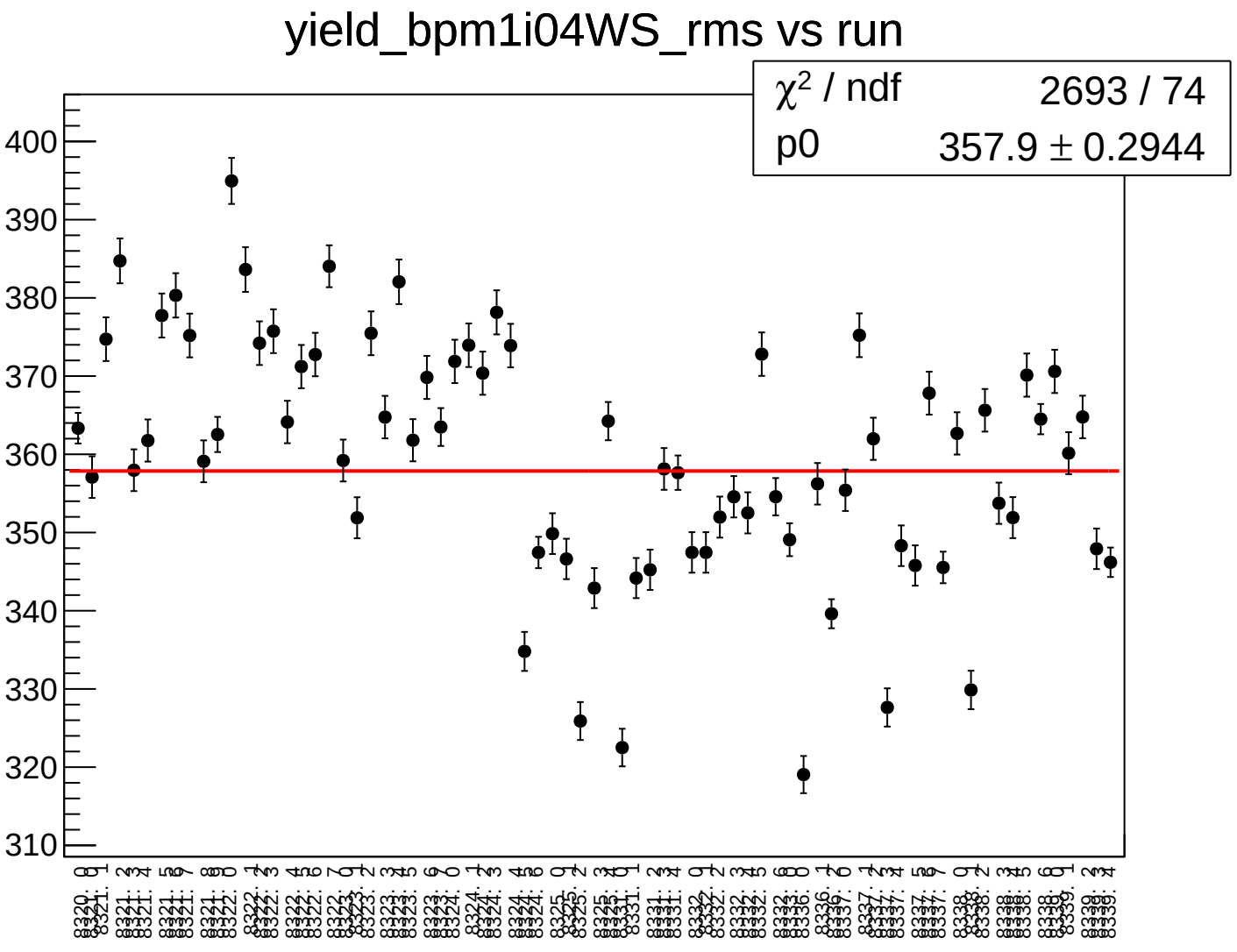

yield_bpm0i07WS_rms vs run
χ² / ndf 5023 / 74
p0 307.6 ± 0.2532
340
320
300
280
260

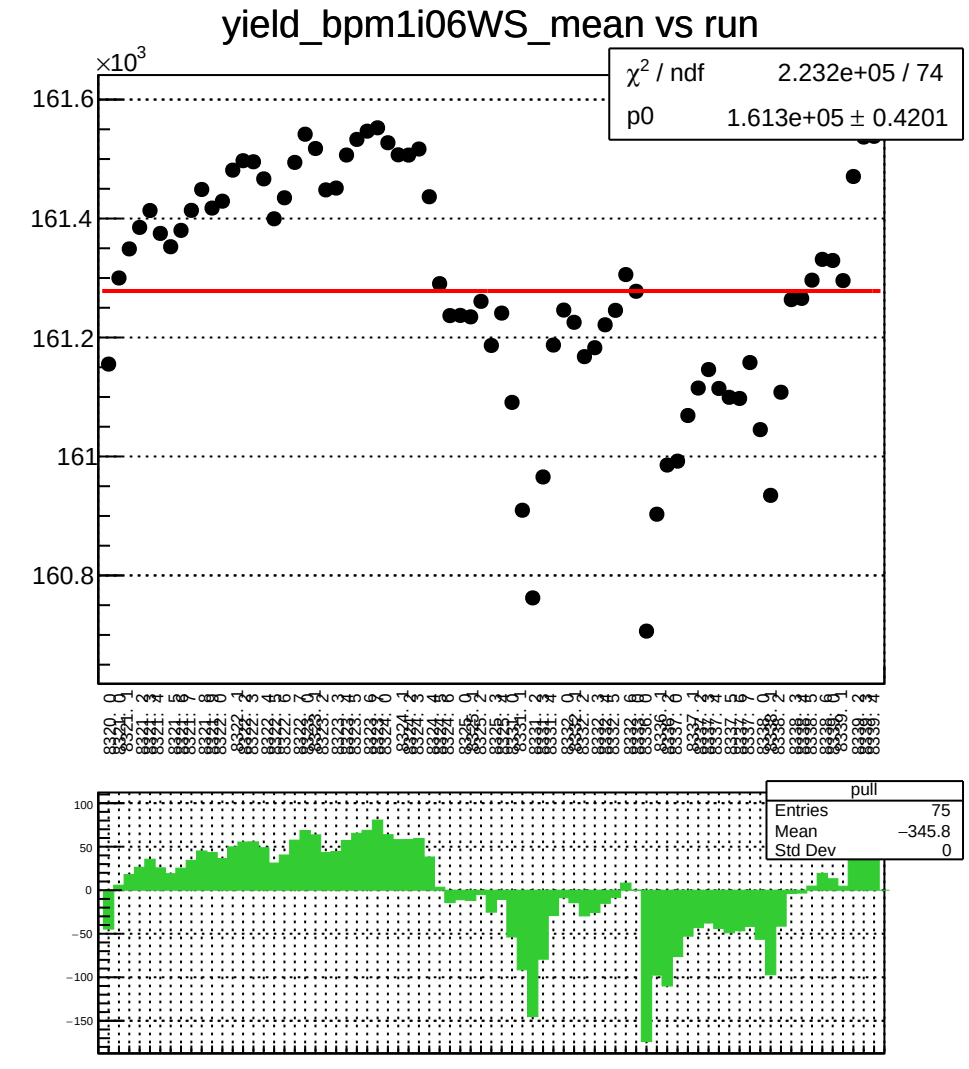

yield_bpm1i02WS_mean vs run
χ² / ndf 6.859e+04 / 74
p0 1.75e+05 ± 0.394
×10³
175.3
175.2
175.1
175
174.9
174.8
pull
Entries 75
Mean 126.9
Std Dev 0
80
60
40
20
0
−20
−40
pull1D
Entries 75
Mean −3.596
Std Dev 3.324
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

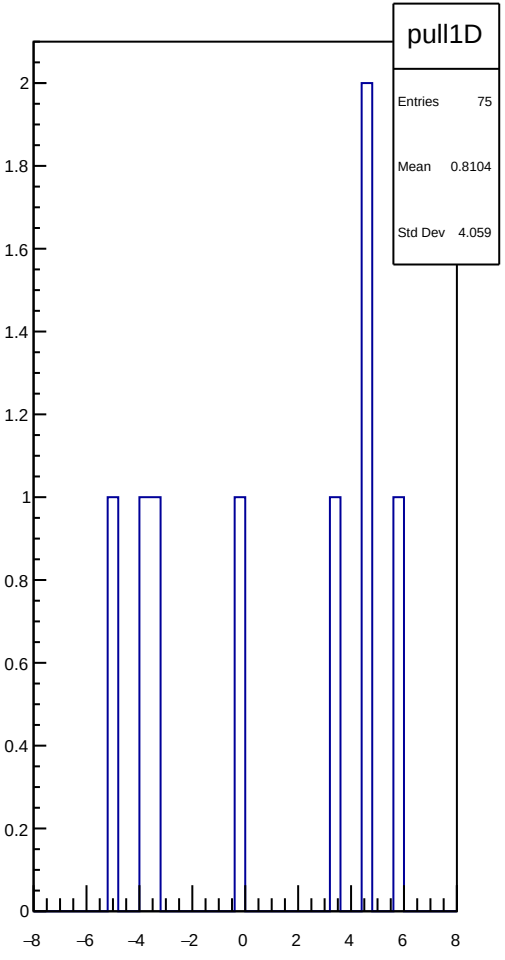

yield_bpm1i02WS_rms vs run
χ² / ndf 2585 / 74
p0 338.6 ± 0.2786
380
360
340
320
300

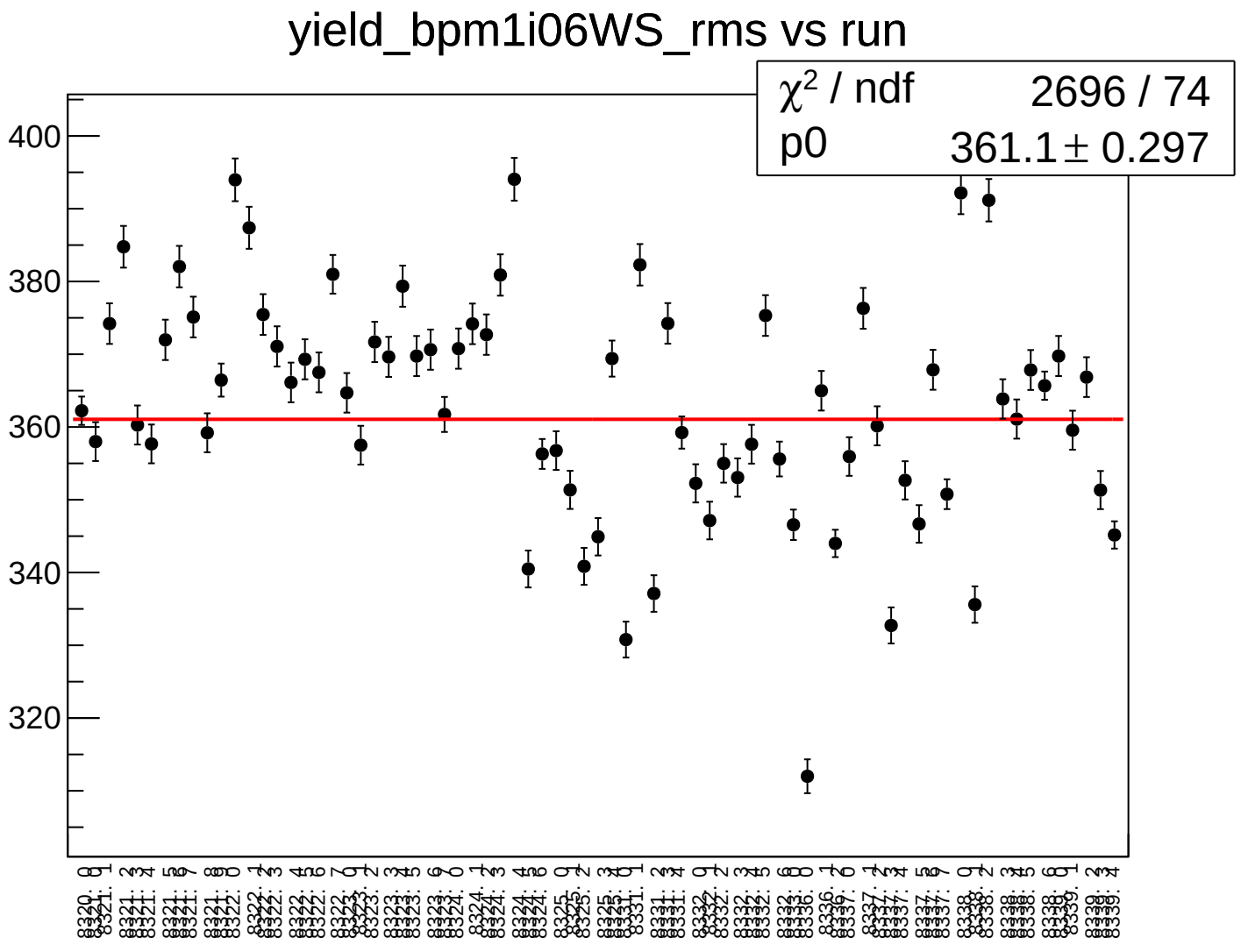

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.287e+05 / 74
p0 1.773e+05 ± 0.4164
177.5
177.4
177.3
177.2
177.1
177
pull
Entries 75
Mean −262.2
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

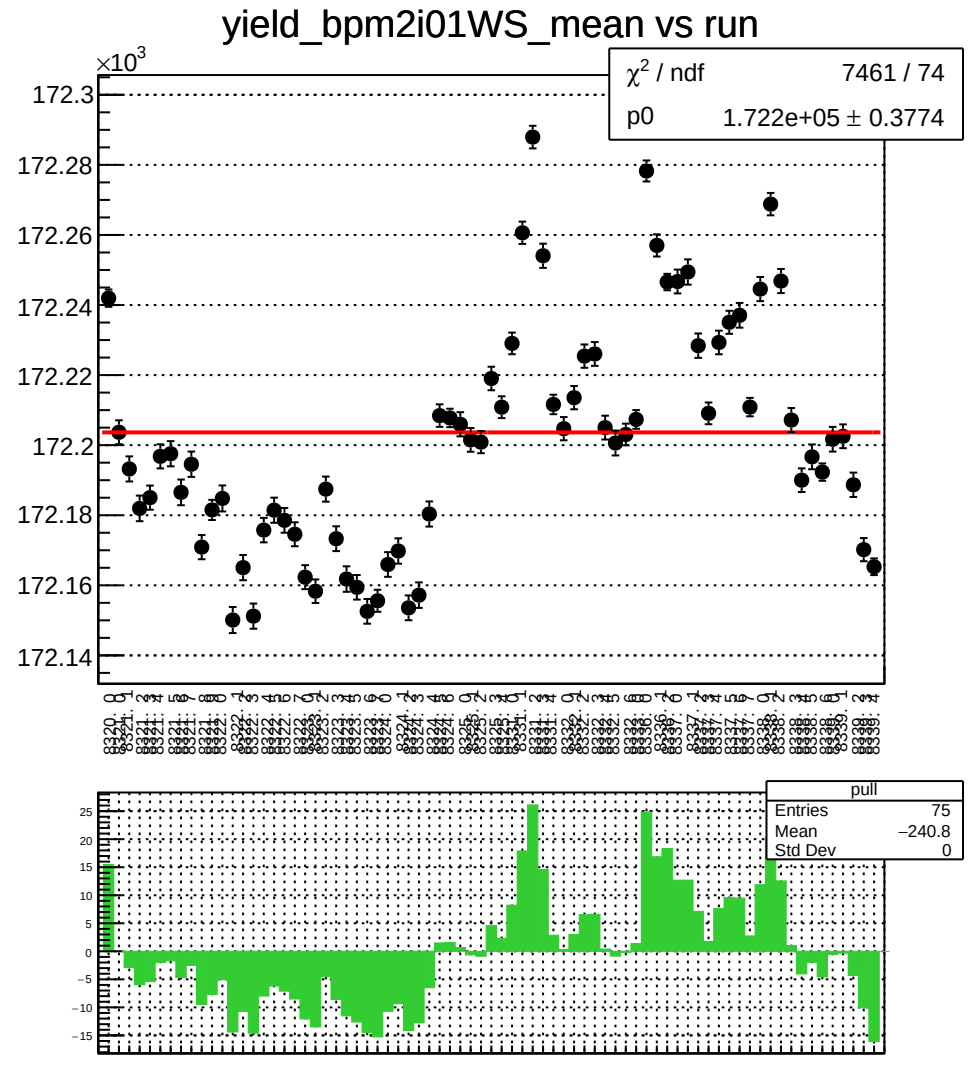

pull1D
Entries 75
Mean 2.151
Std Dev 3.997
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

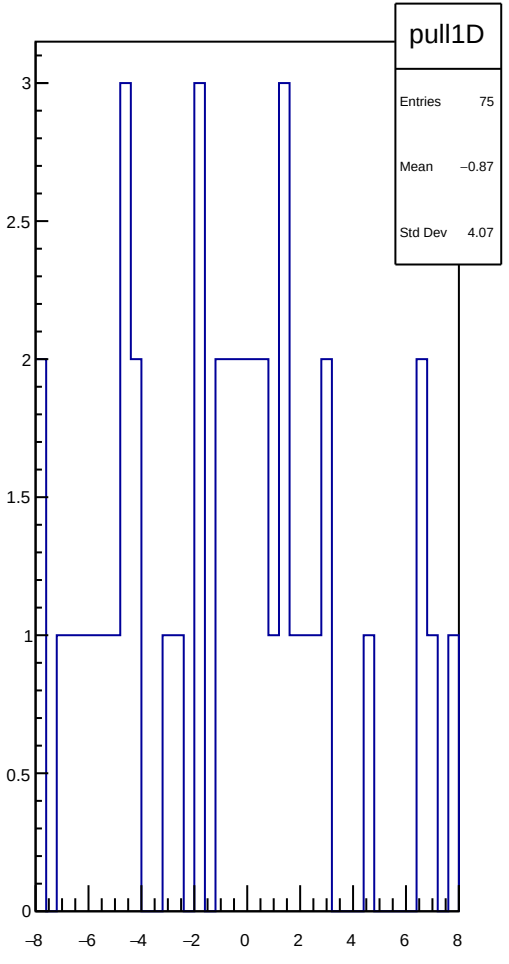

yield_bpm1i04WS_rms vs run
χ² / ndf 2693 / 74
p0 357.9 ± 0.2944
400
390
380
370
360
350
340
330
320
310

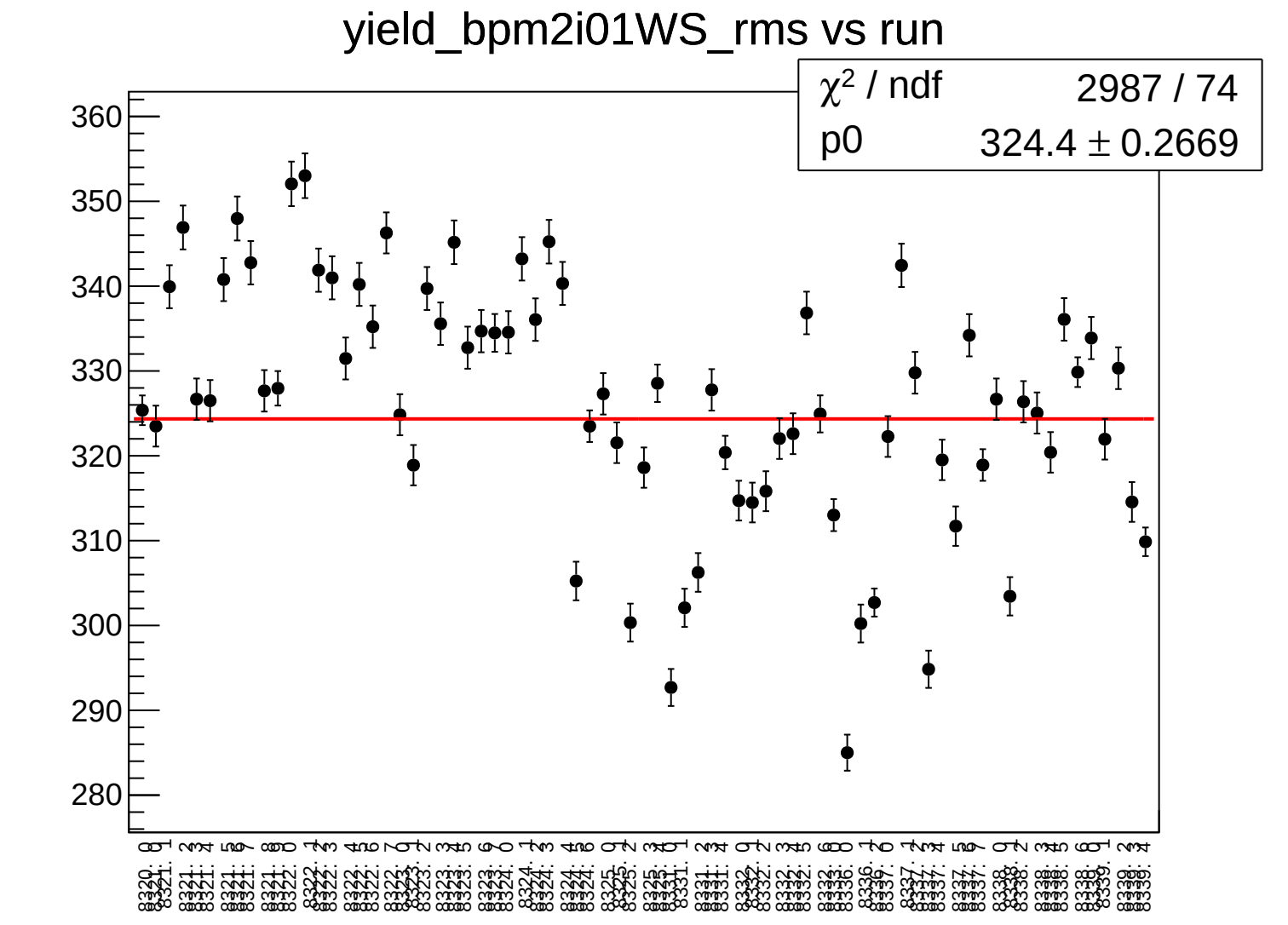

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.232e+05 / 74
p0 1.613e+05 ± 0.4201
161.6
161.4
161.2
161
160.8
pull
Entries 75
Mean −345.8
Std Dev 0
100
50
0
−50
−100
−150

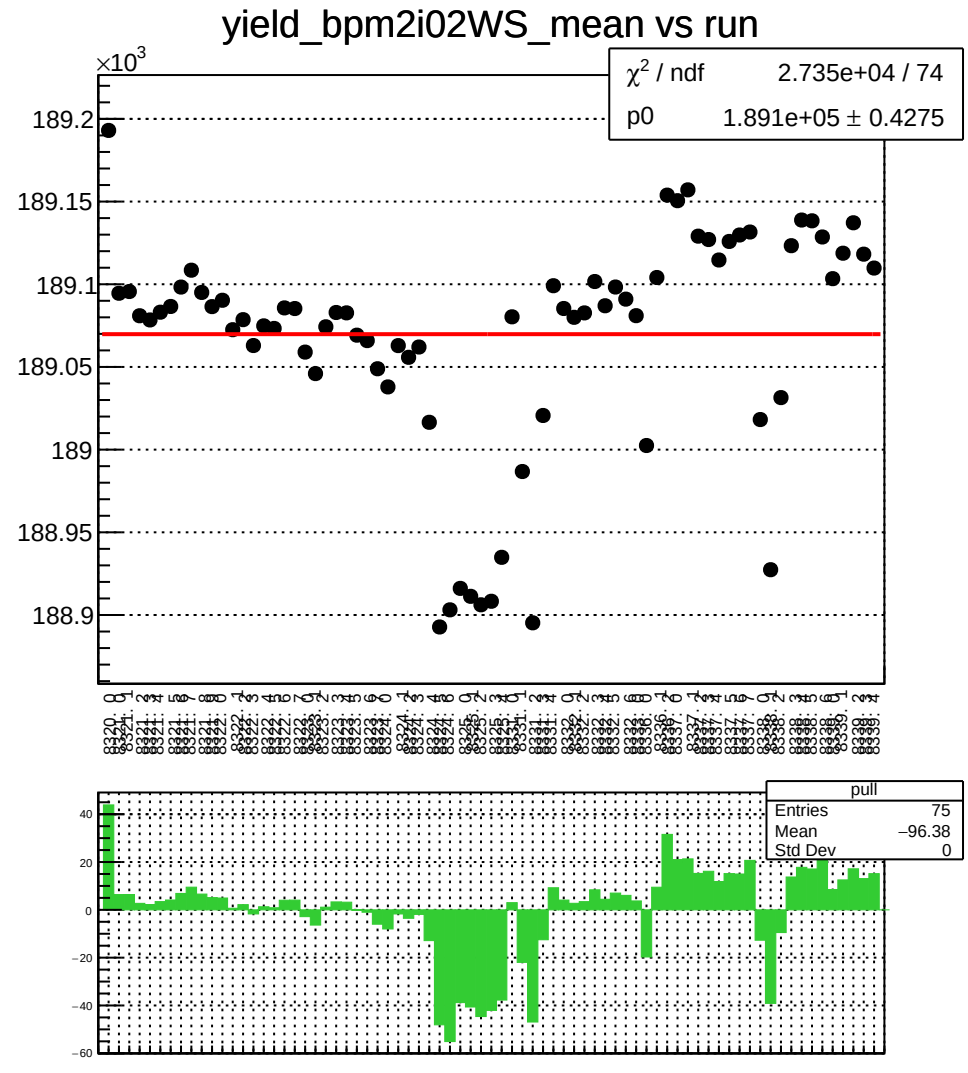

pull1D
Entries 75
Mean 0.8104
Std Dev 4.059
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

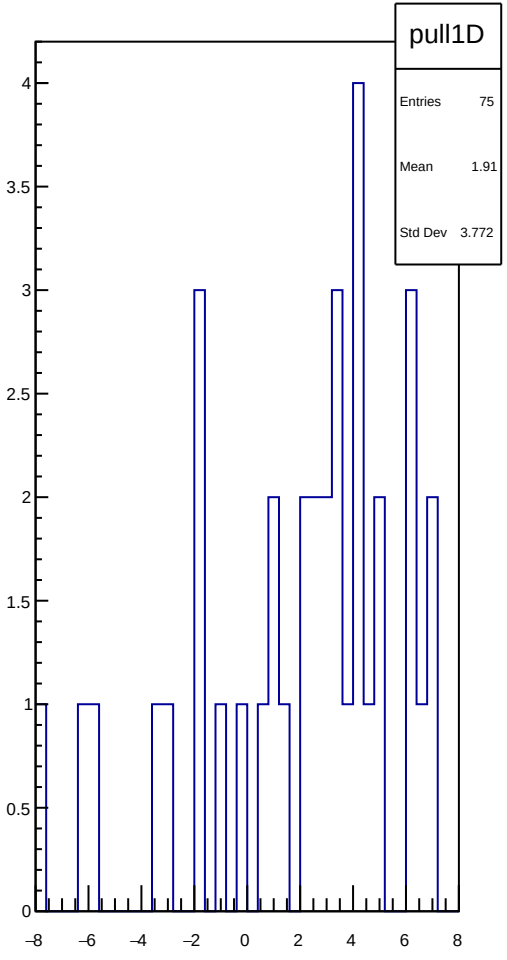

yield_bpm1i06WS_rms vs run
χ² / ndf 2696 / 74
p0 361.1 ± 0.297
400
380
360
340
320

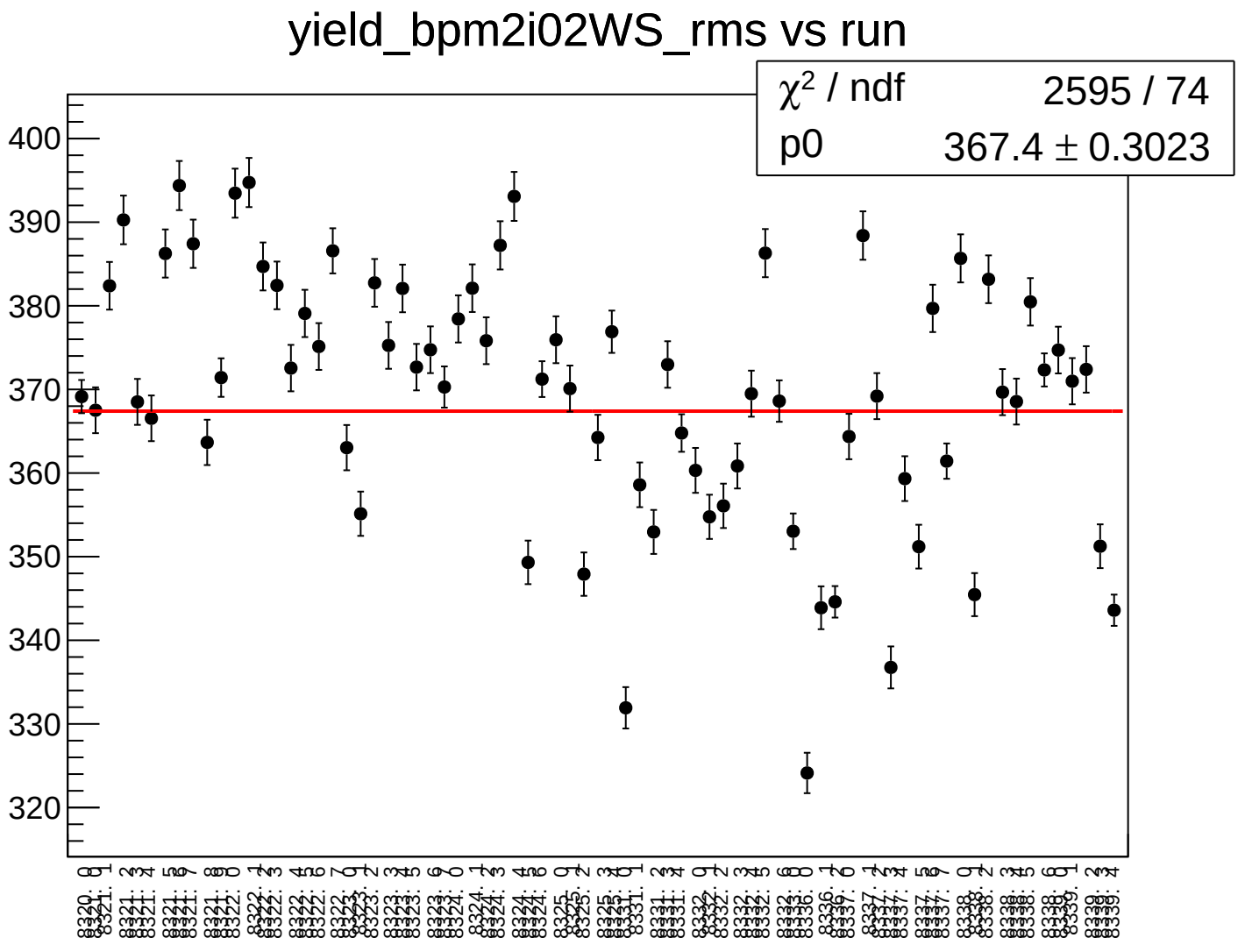

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 7461 / 74
p0 1.722e+05 ± 0.3774
172.3
172.28
172.26
172.24
172.22
172.2
172.18
172.16
172.14
pull
Entries 75
Mean −240.8
Std Dev 0
25
20
15
10
5
0
−5
−10
−15

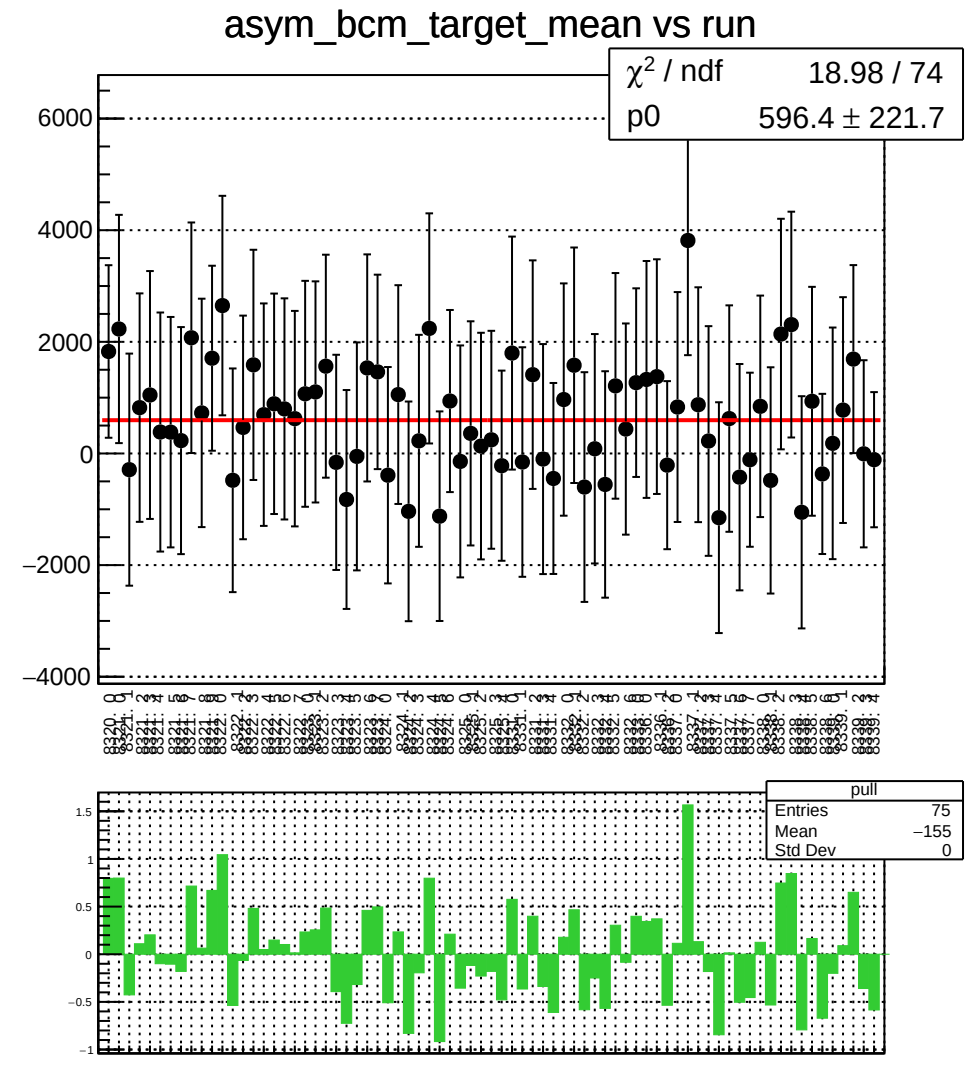

pull1D
Entries 75
Mean −0.87
Std Dev 4.07
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

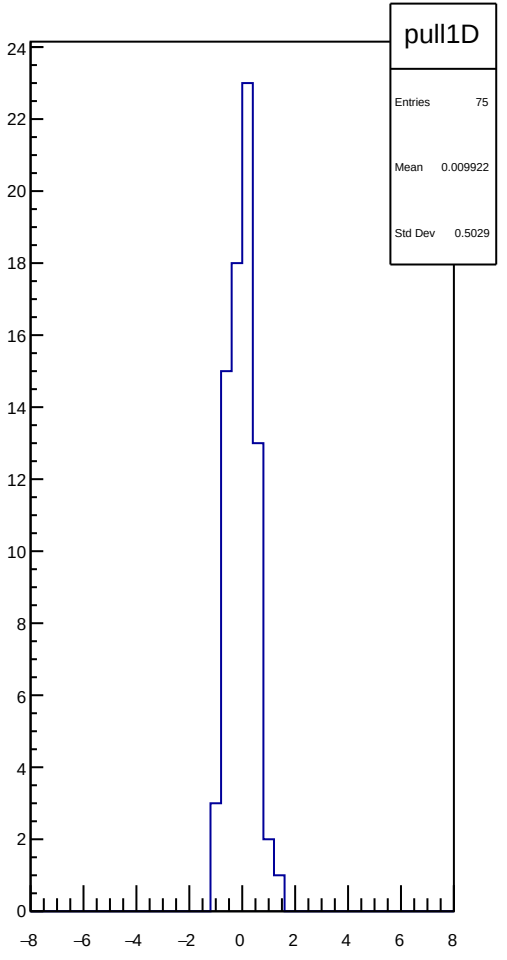

yield_bpm2i01WS_rms vs run
χ² / ndf 2987 / 74
p0 324.4 ± 0.2669
360
350
340
330
320
310
300
290
280

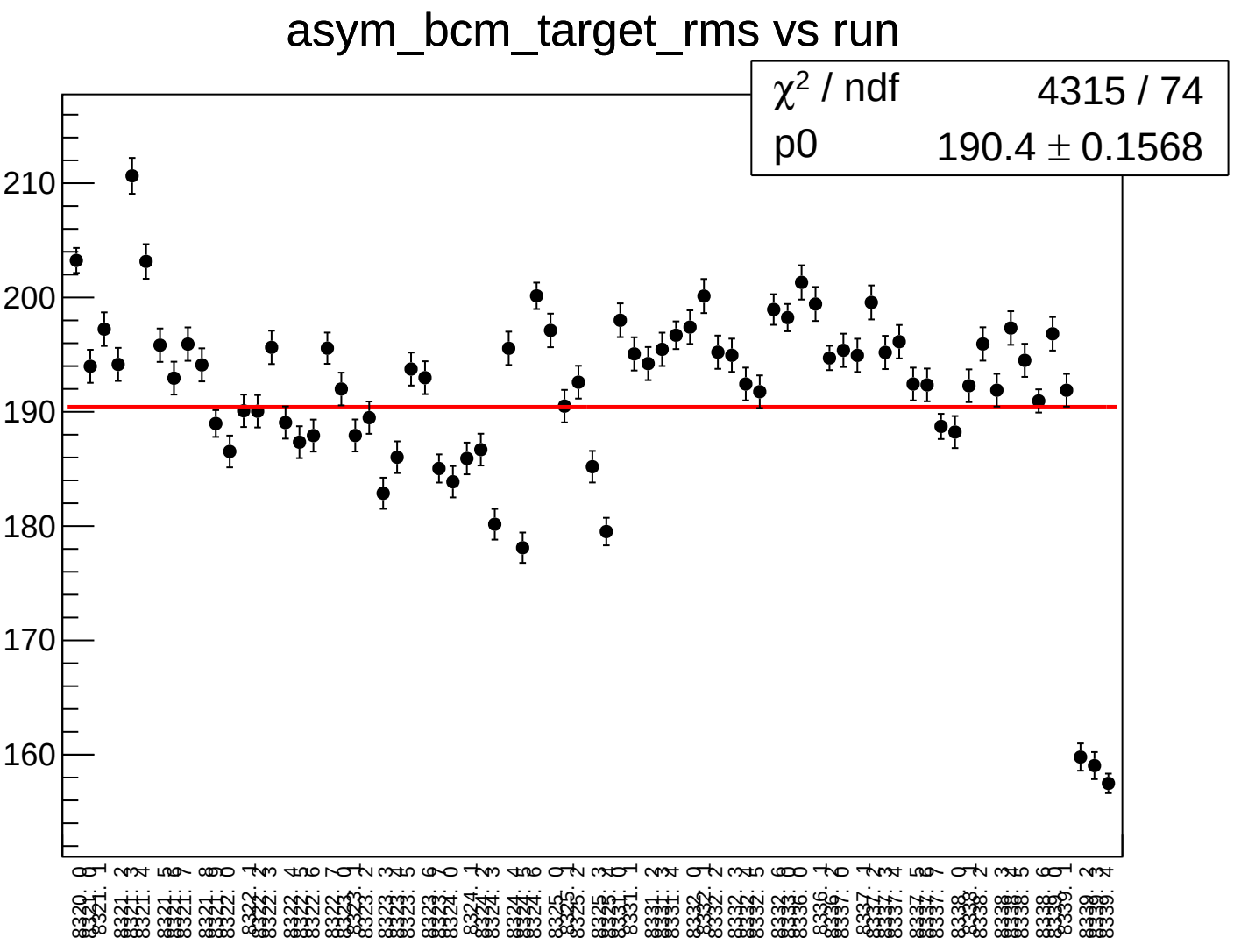

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 2.735e+04 / 74
p0 1.891e+05 ± 0.4275
189.2
189.15
189.1
189.05
189
188.95
188.9
pull
Entries 75
Mean −96.38
Std Dev 0
40
20
0
−20
−40
−60

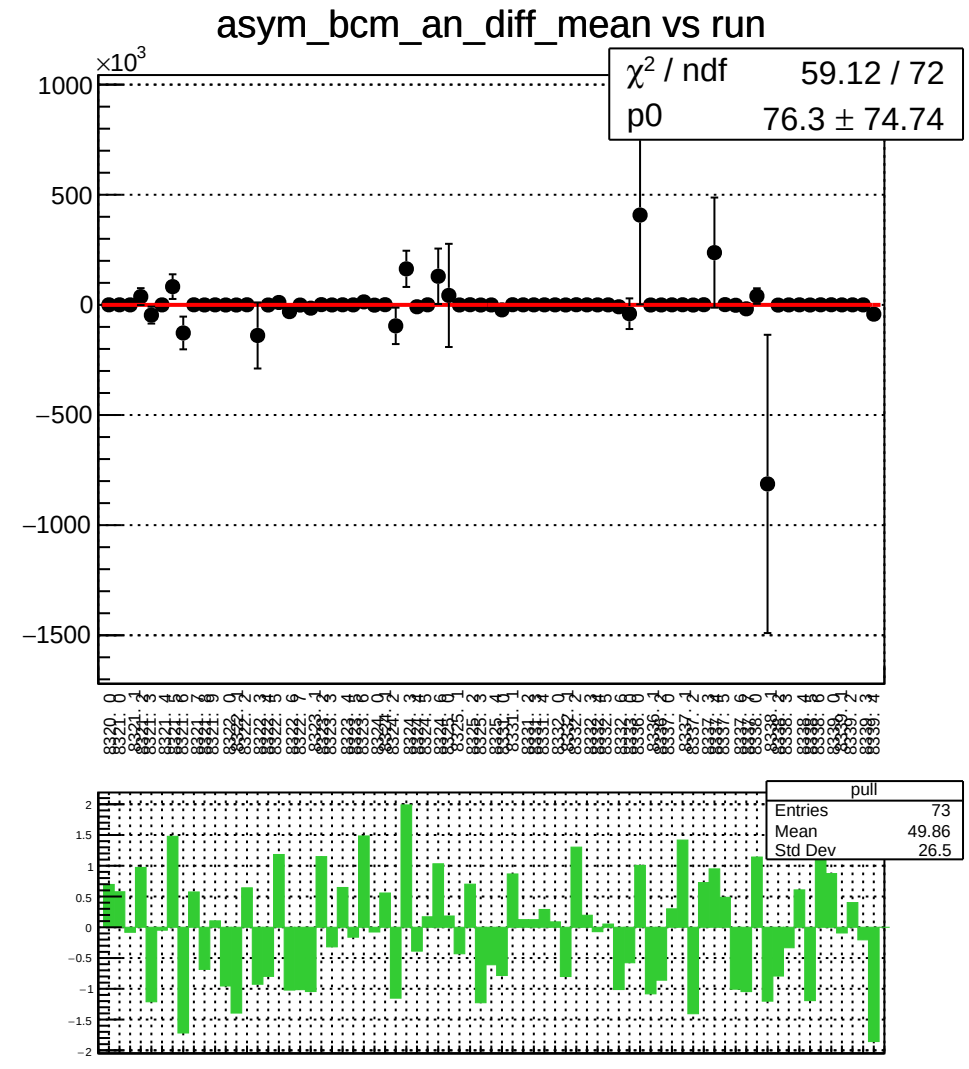

pull1D
Entries 75
Mean 1.91
Std Dev 3.772
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

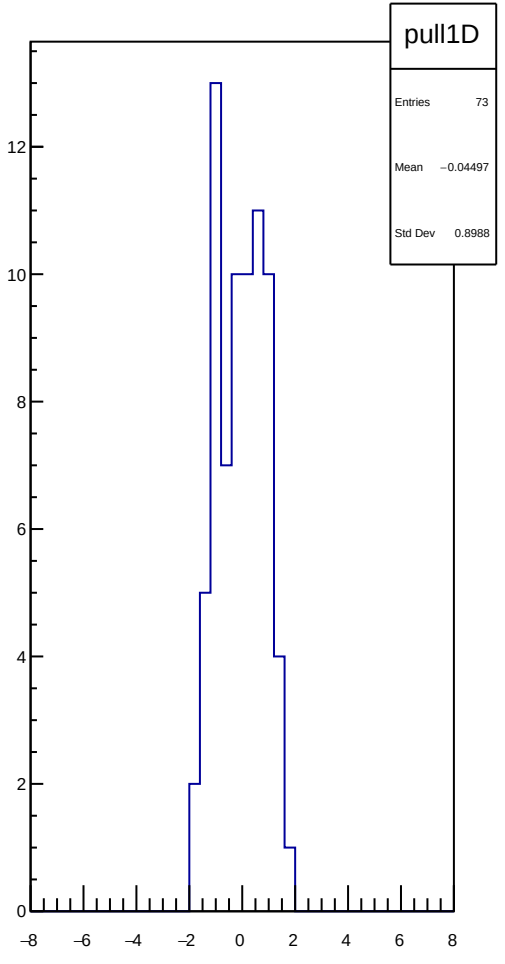

yield_bpm2i02WS_rms vs run
χ² / ndf 2595 / 74
p0 367.4 ± 0.3023
400
390
380
370
360
350
340
330
320

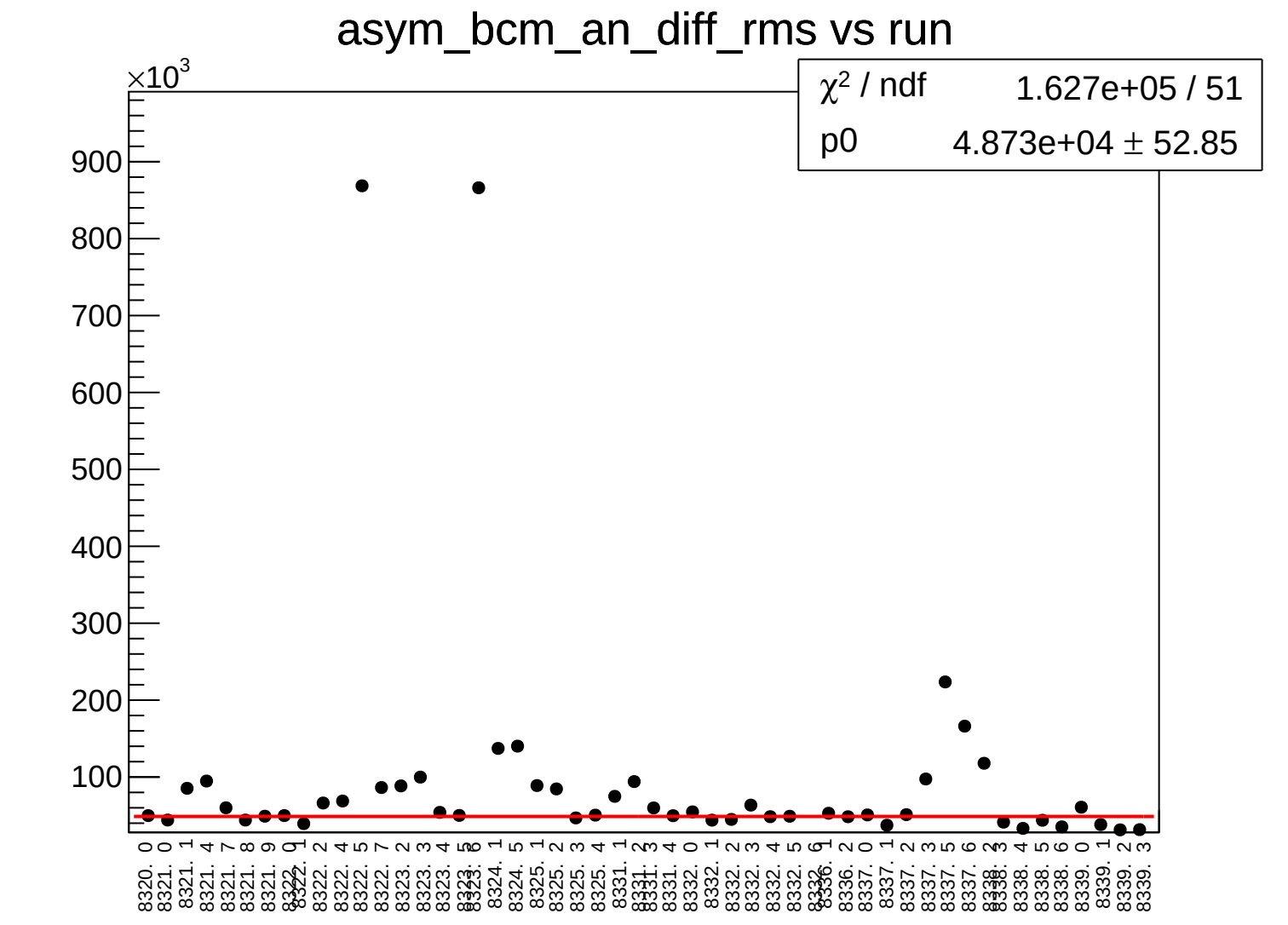

asym_bcm_target_mean vs run
χ² / ndf 18.98 / 74
p0 596.4 ± 221.7
pull
Entries 75
Mean −155
Std Dev 0

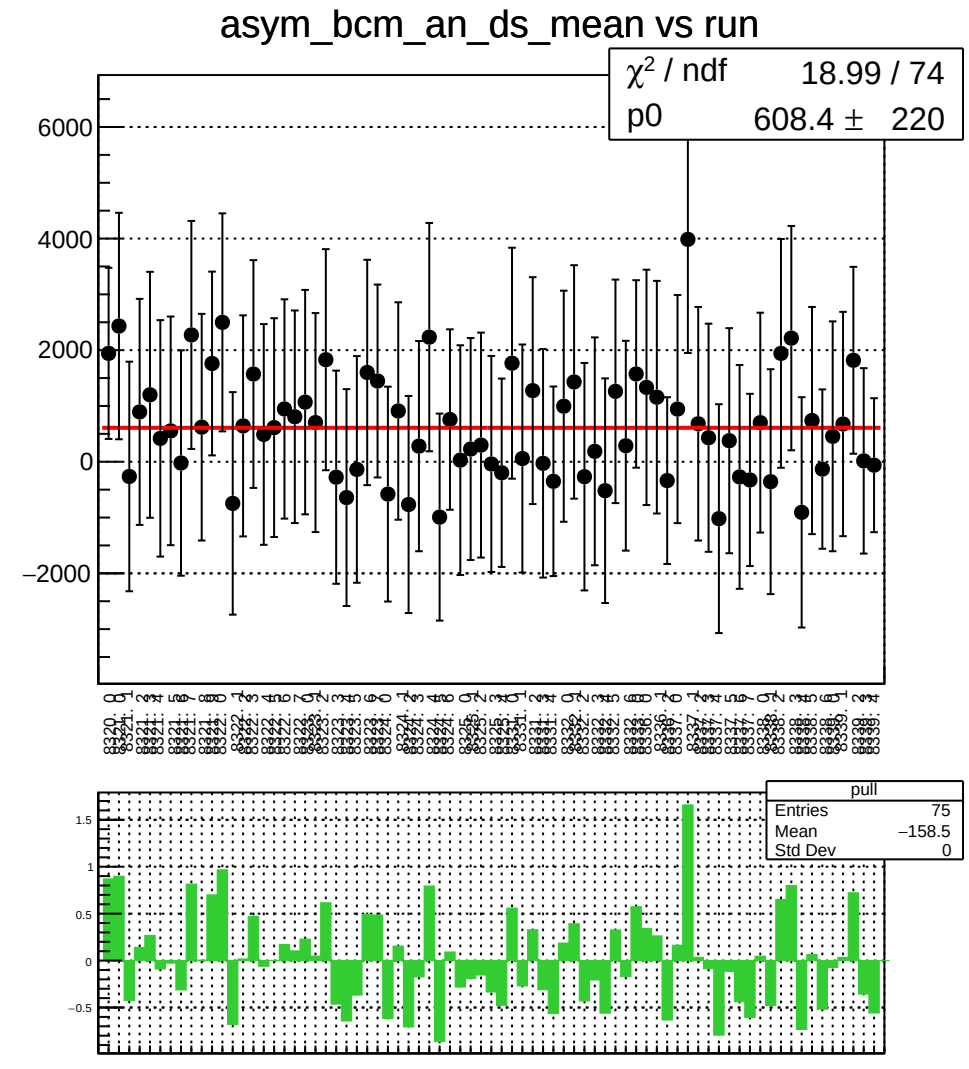

pull1D
Entries 75
Mean 0.009922
Std Dev 0.5029

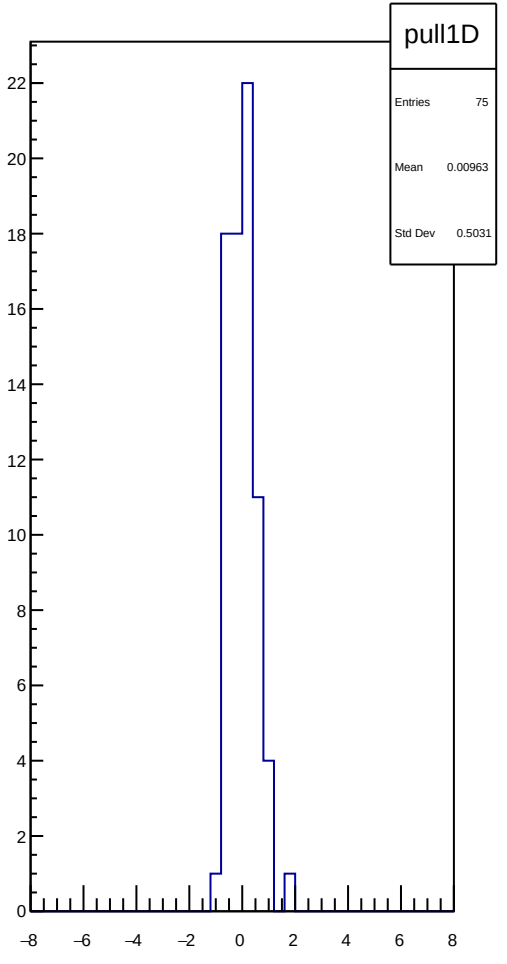

asym_bcm_target_rms vs run
χ² / ndf 4315 / 74
p0 190.4 ± 0.1568
210
200
190
180
170
160

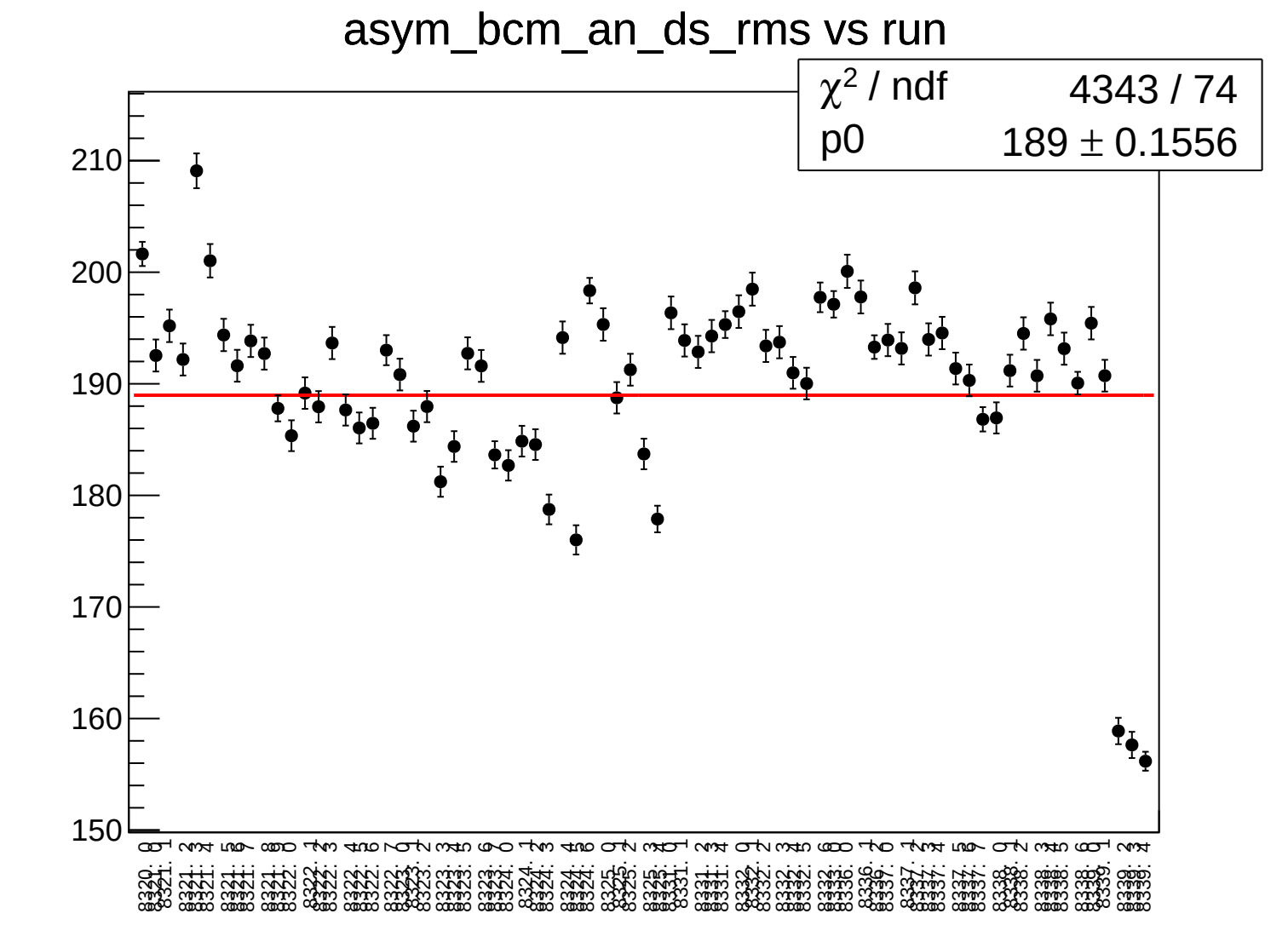

asym_bcm_an_diff_mean vs run
×10^3
χ² / ndf 59.12 / 72
p0 76.3 ± 74.74
pull
Entries 73
Mean 49.86
Std Dev 26.5

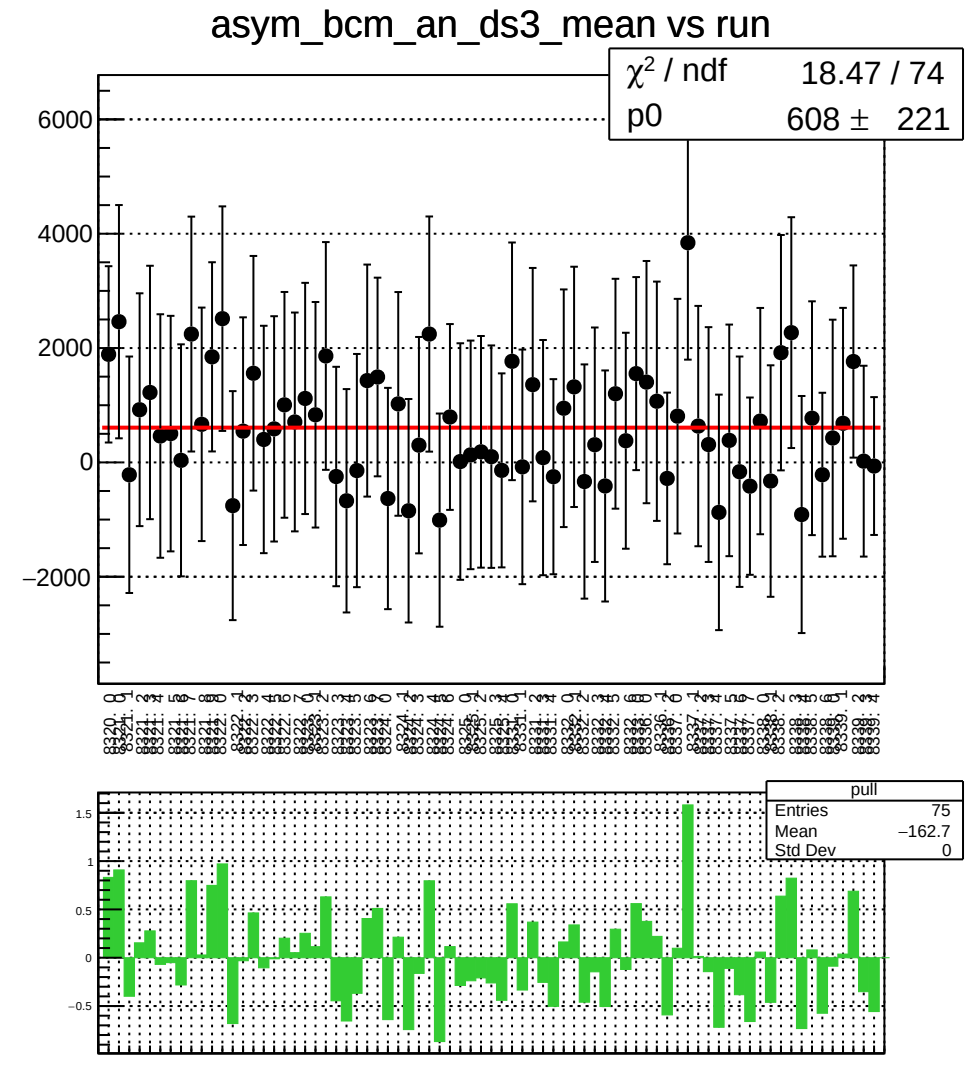

pull1D
Entries 73
Mean −0.04497
Std Dev 0.8988

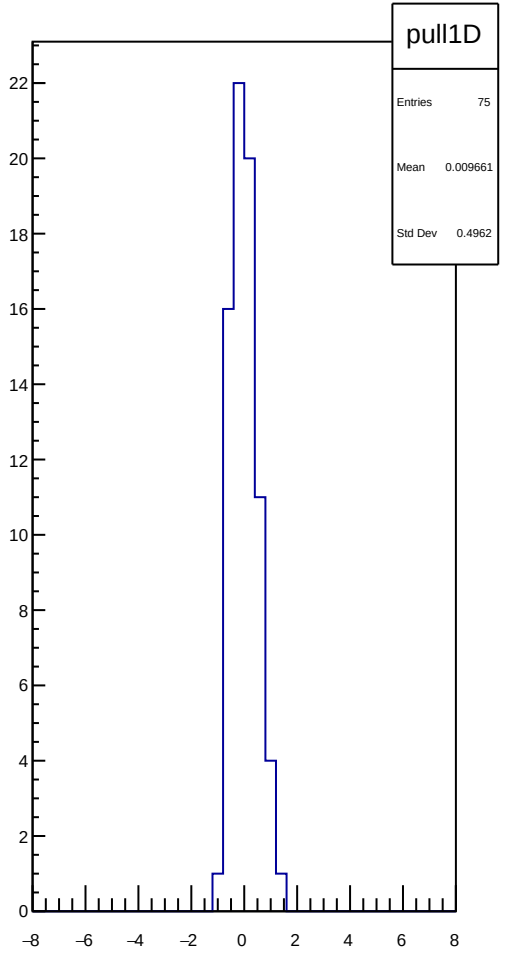

asym_bcm_an_diff_rms vs run
×10^3
χ² / ndf 1.627e+05 / 51
p0 4.873e+04 ± 52.85
900
800
700
600
500
400
300
200
100
8320. 0
8321. 0
8321. 1
8321. 4
8321. 7
8321. 8
8321. 9
8322. 1
8322. 2
8322. 4
8322. 5
8322. 7
8323. 2
8323. 3
8323. 4
8324. 1
8324. 5
8325. 1
8325. 2
8325. 3
8325. 4
8331. 1
8331. 4
8332. 0
8332. 1
8332. 2
8332. 3
8332. 4
8332. 5
8336. 2
8337. 0
8337. 1
8337. 2
8337. 3
8337. 5
8337. 6
8338. 4
8338. 5
8338. 6
8339. 0
8339. 1
8339. 2
8339. 3

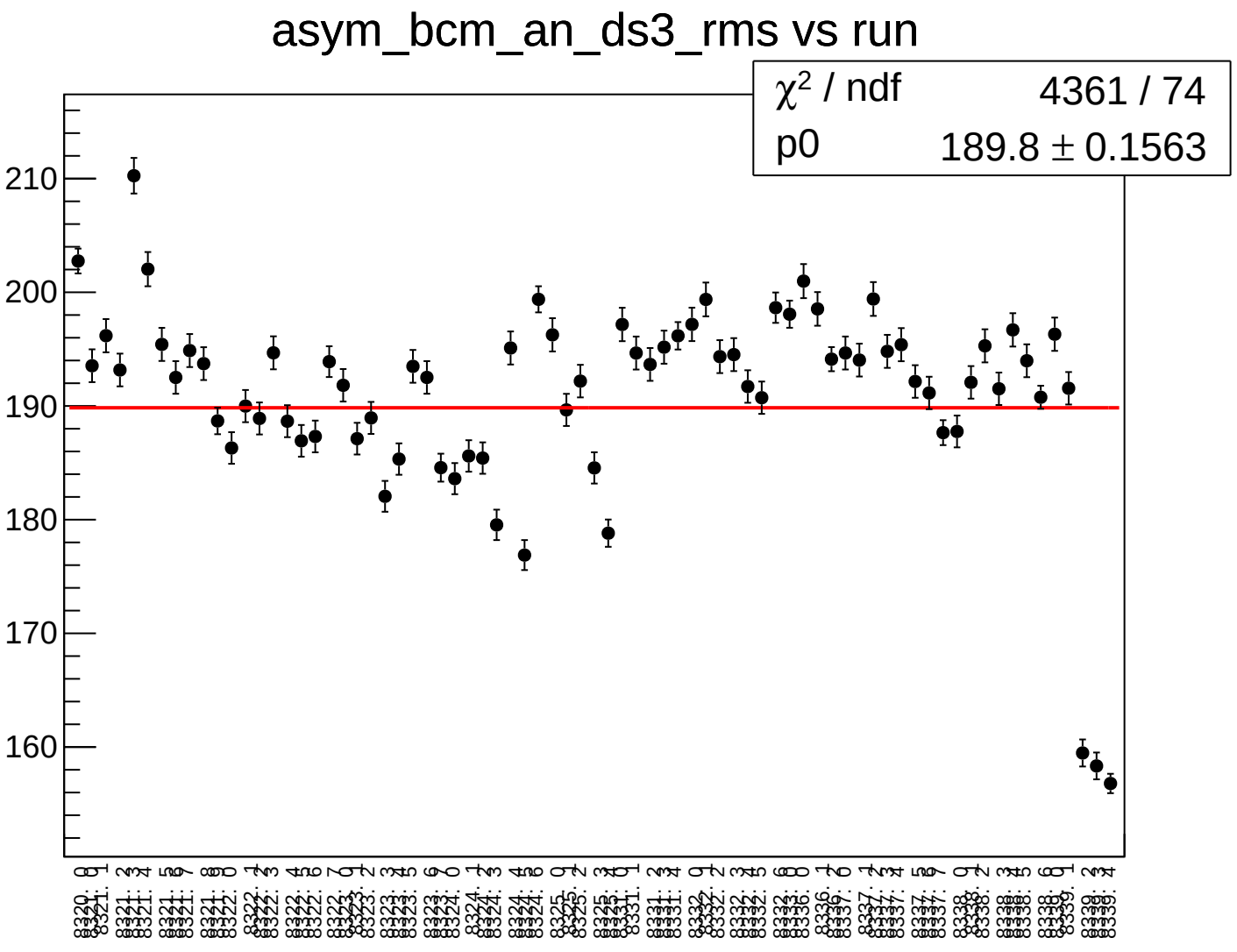

asym_bcm_an_ds_mean vs run
χ² / ndf 18.99 / 74
p0 608.4 ± 220
6000
4000
2000
0
−2000
pull
Entries 75
Mean −158.5
Std Dev 0
1.5
1
0.5
0
−0.5

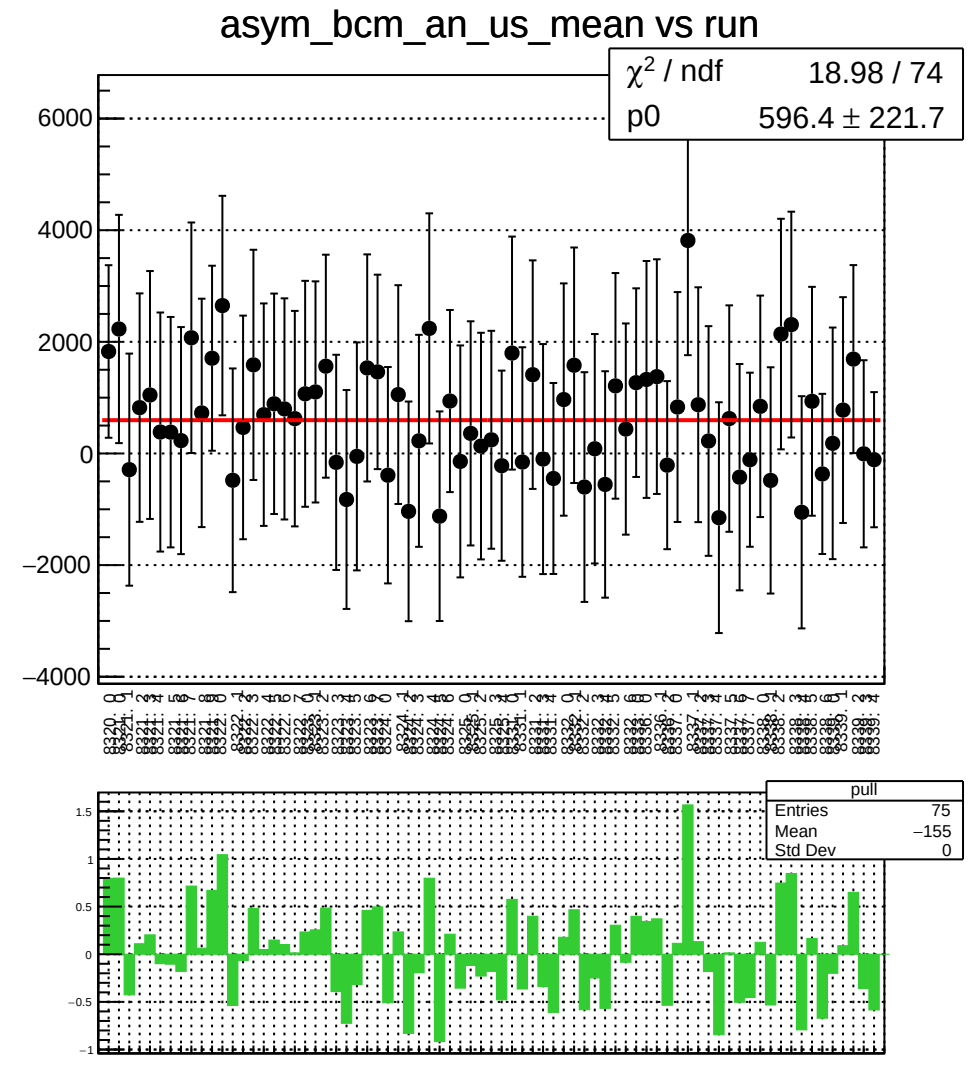

pull1D
Entries 75
Mean 0.00963
Std Dev 0.5031
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

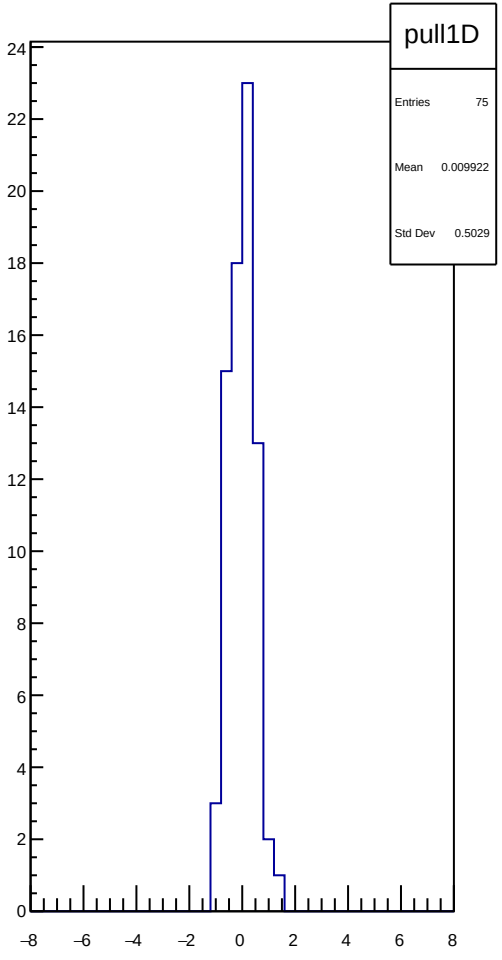

asym_bcm_an_ds_rms vs run
χ² / ndf 4343 / 74
p0 189 ± 0.1556
210
200
190
180
170
160
150

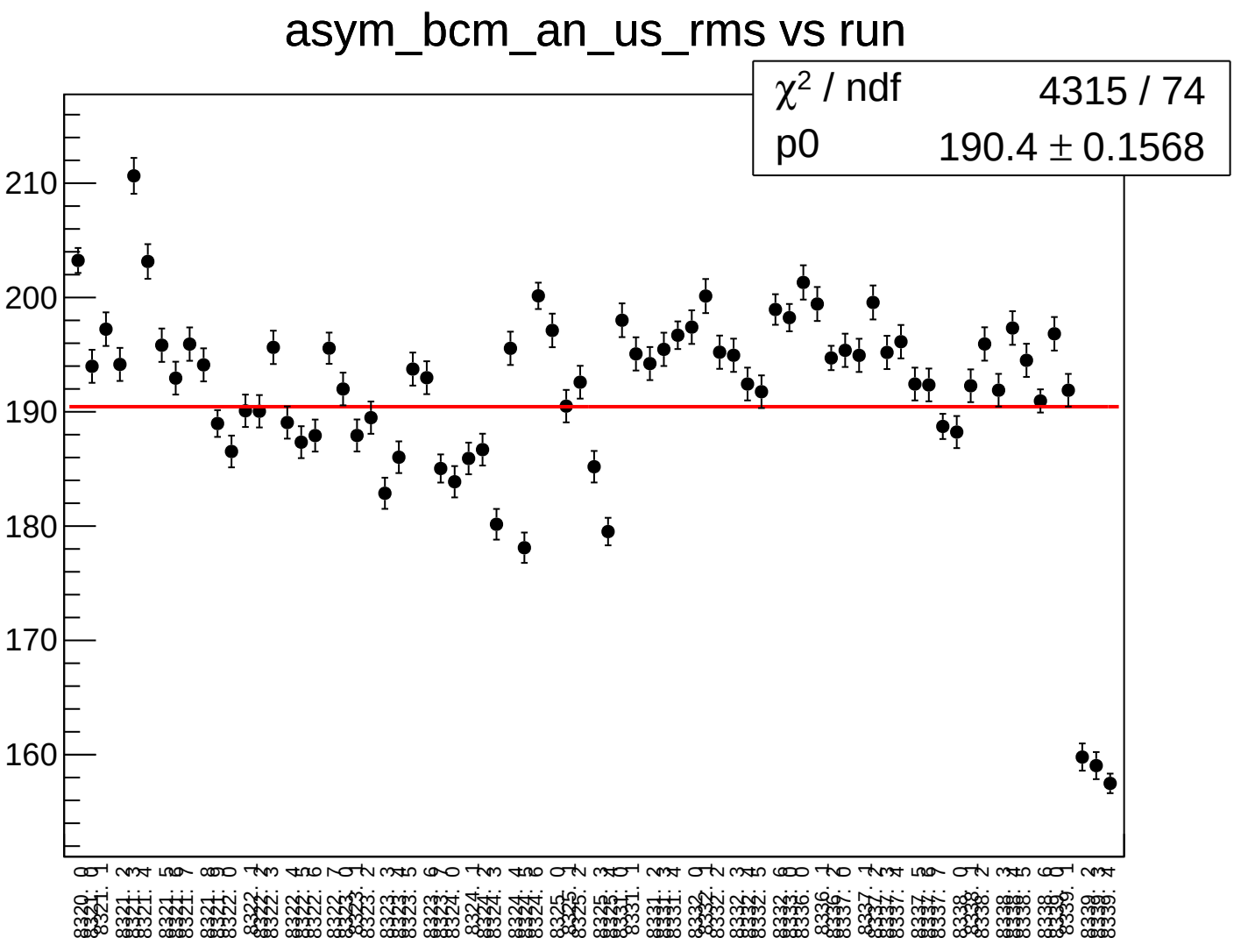

asym_bcm_an_ds3_mean vs run
χ² / ndf 18.47 / 74
p0 608 ± 221
6000
4000
2000
0
−2000
pull
Entries 75
Mean −162.7
Std Dev 0
1.5
1
0.5
0
−0.5

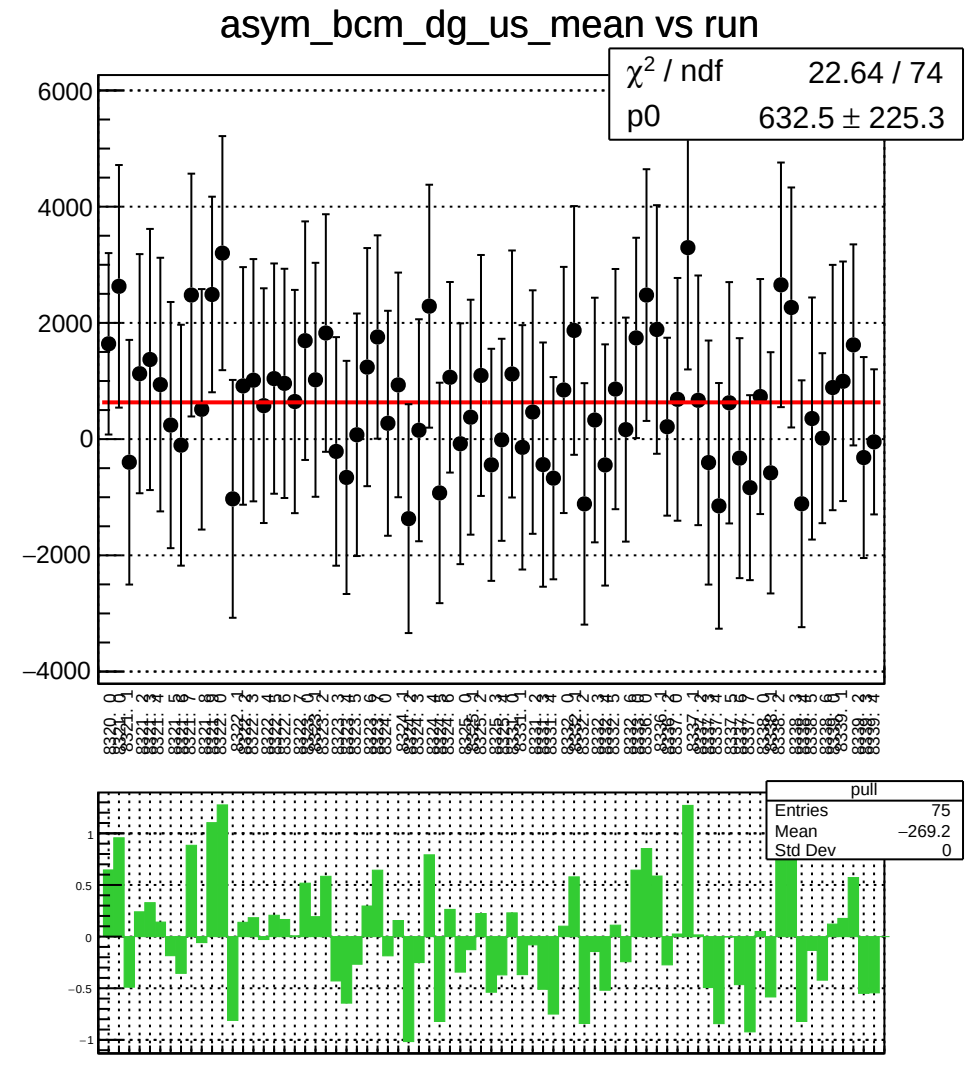

pull1D
Entries 75
Mean 0.009661
Std Dev 0.4962
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

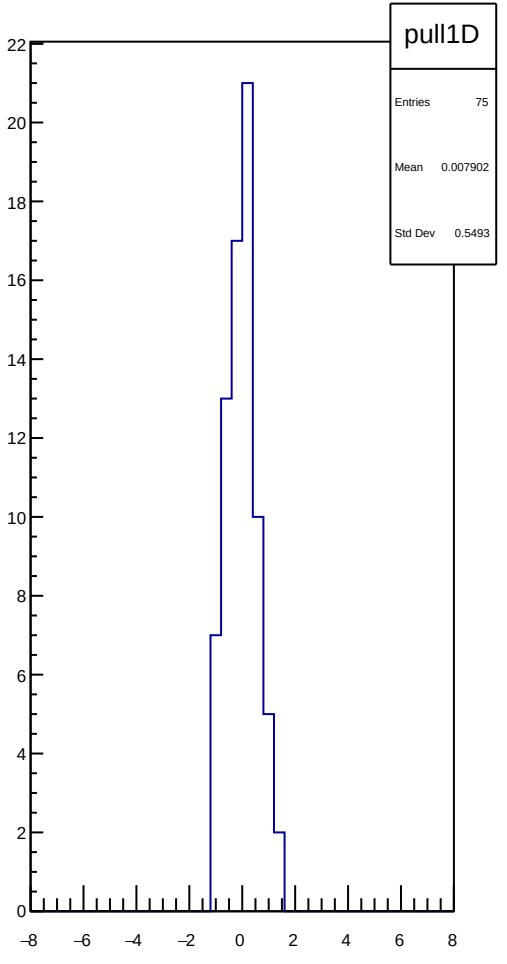

asym_bcm_an_ds3_rms vs run
χ² / ndf 4361 / 74
p0 189.8 ± 0.1563
210
200
190
180
170
160

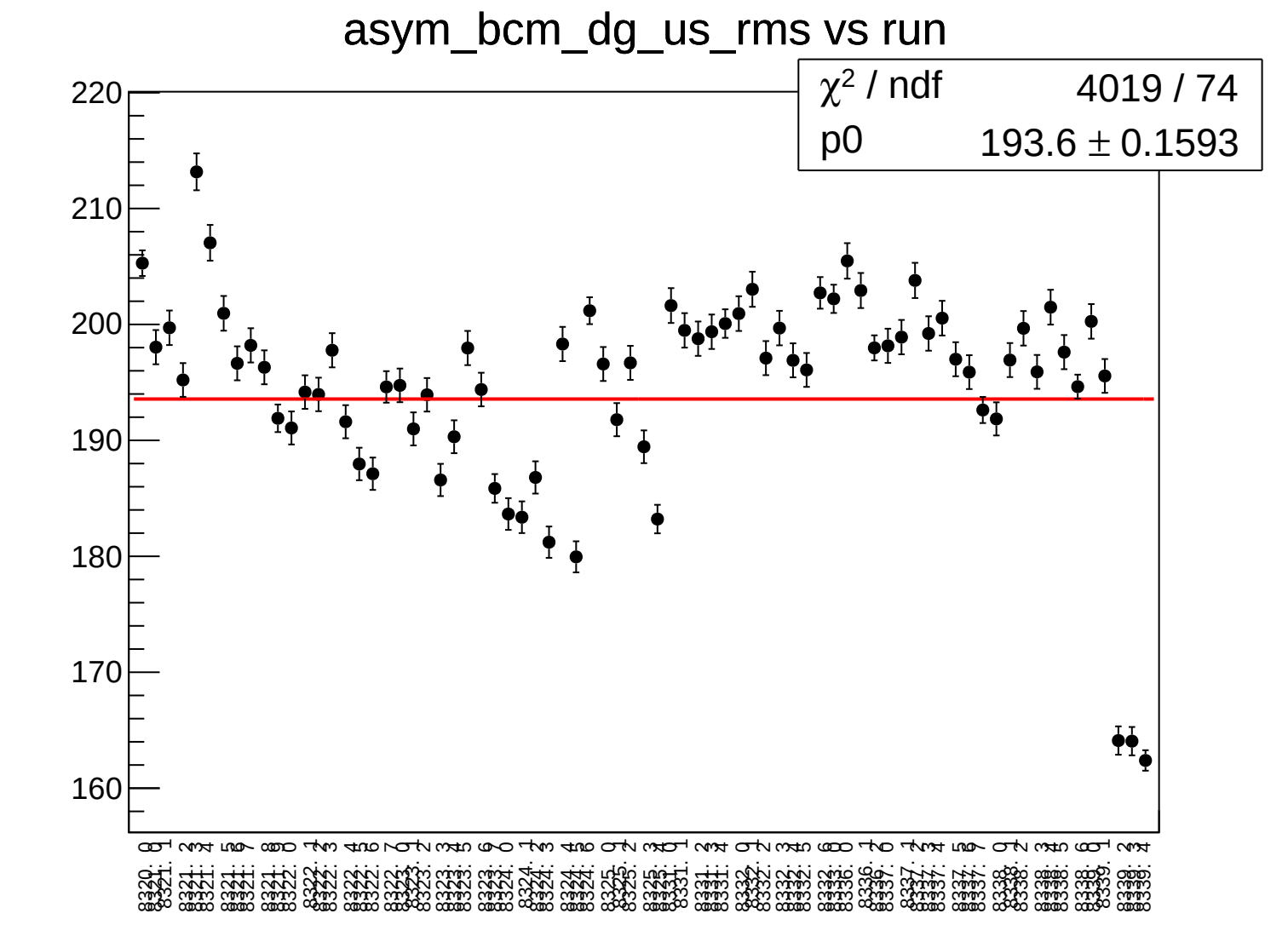

asym_bcm_an_us_mean vs run
χ² / ndf 18.98 / 74
p0 596.4 ± 221.7
pull
Entries 75
Mean −155
Std Dev 0

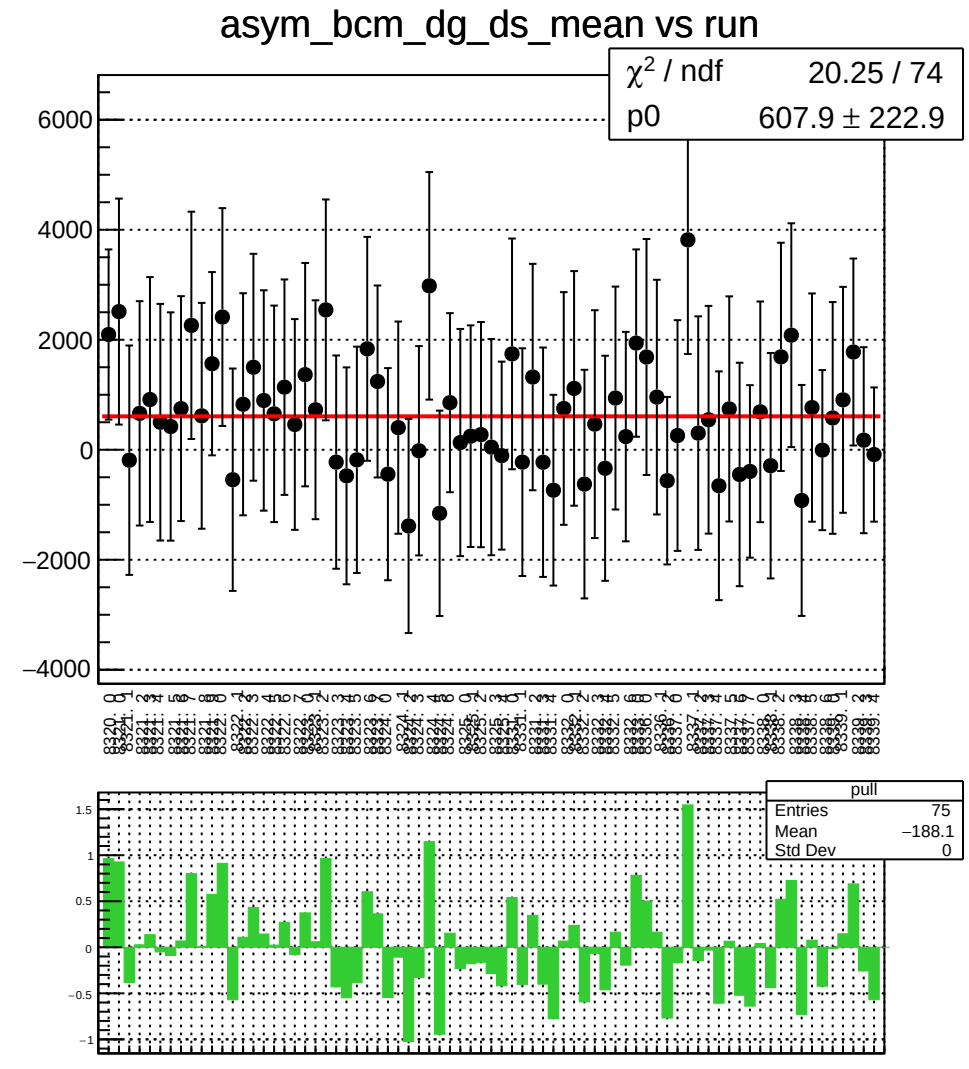

pull1D
Entries 75
Mean 0.009922
Std Dev 0.5029

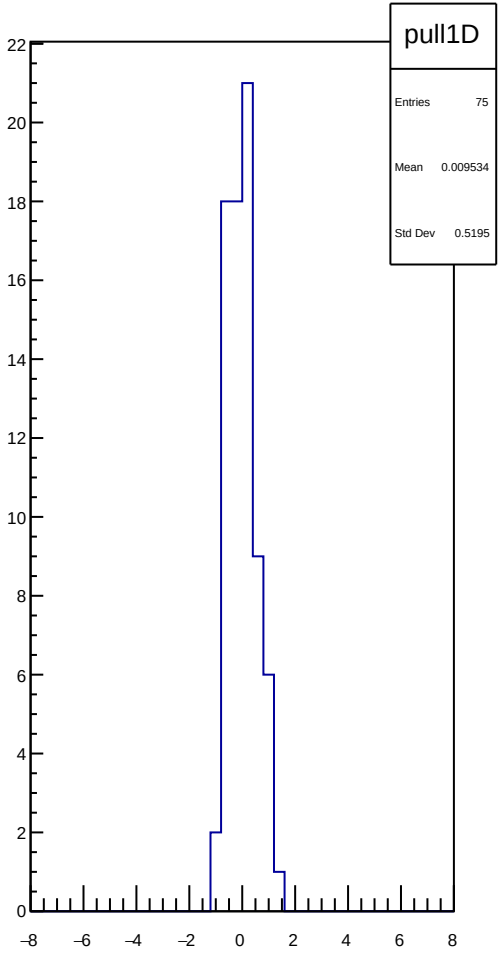

asym_bcm_an_us_rms vs run
χ² / ndf 4315 / 74
p0 190.4 ± 0.1568
210
200
190
180
170
160

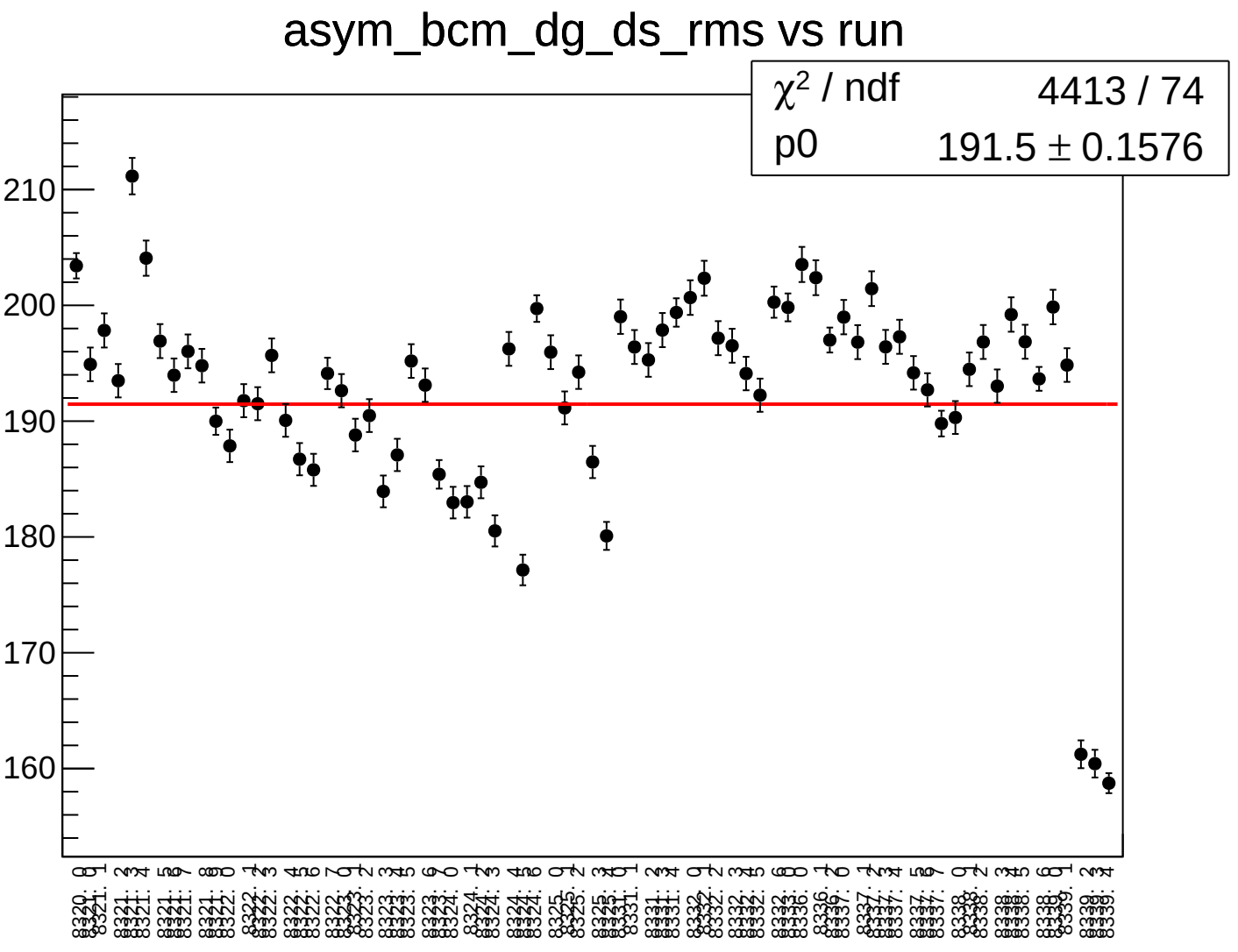

asym_bcm_dg_us_mean vs run
χ² / ndf 22.64 / 74
p0 632.5 ± 225.3
6000
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −269.2
Std Dev 0
1
0.5
0
−0.5
−1

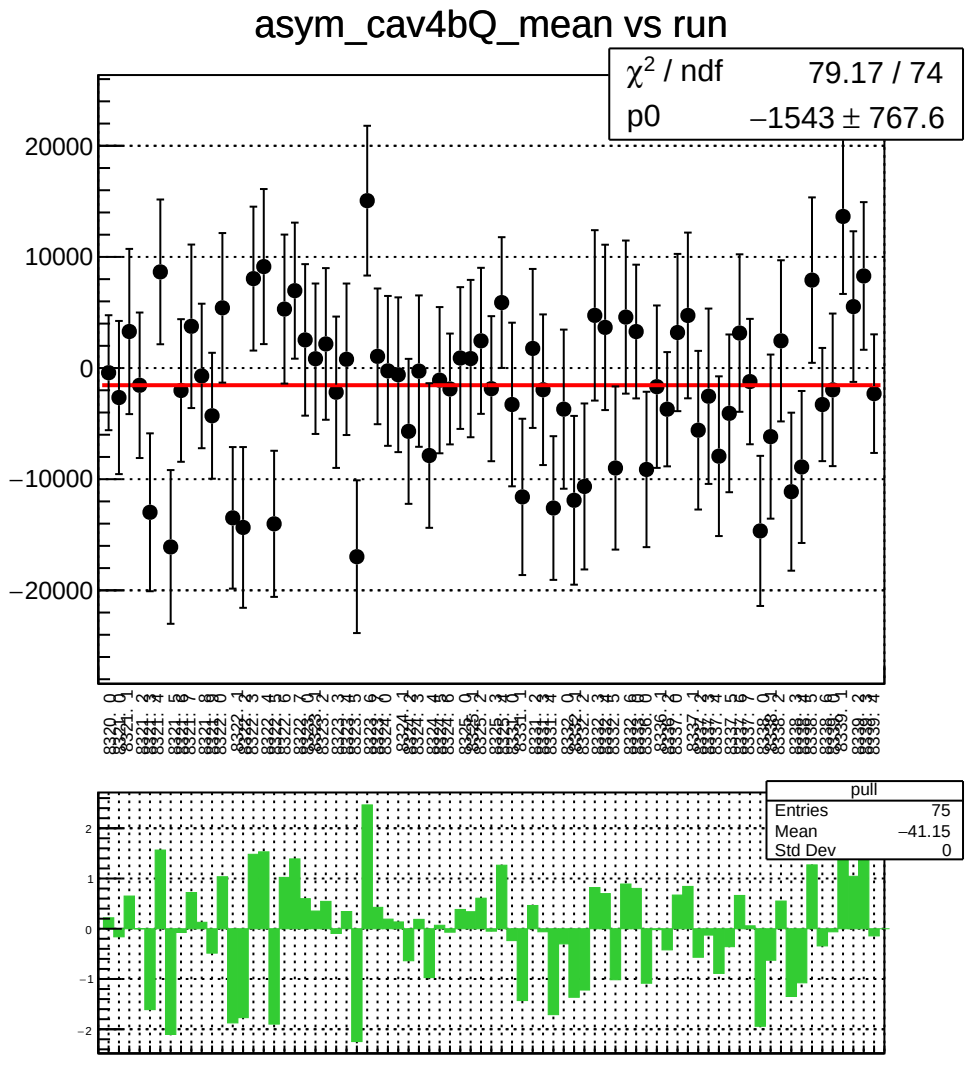

pull1D
Entries 75
Mean 0.007902
Std Dev 0.5493
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

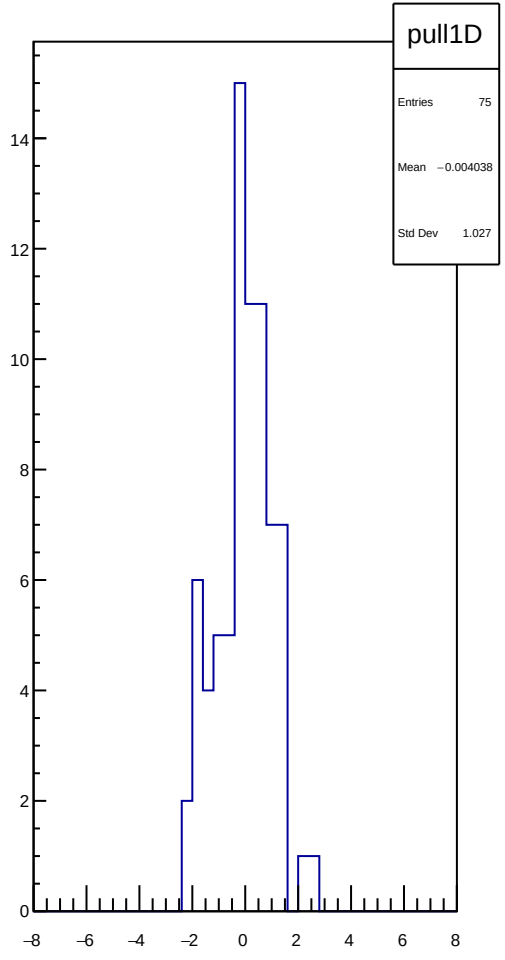

asym_bcm_dg_us_rms vs run
χ² / ndf 4019 / 74
p0 193.6 ± 0.1593
220
210
200
190
180
170
160

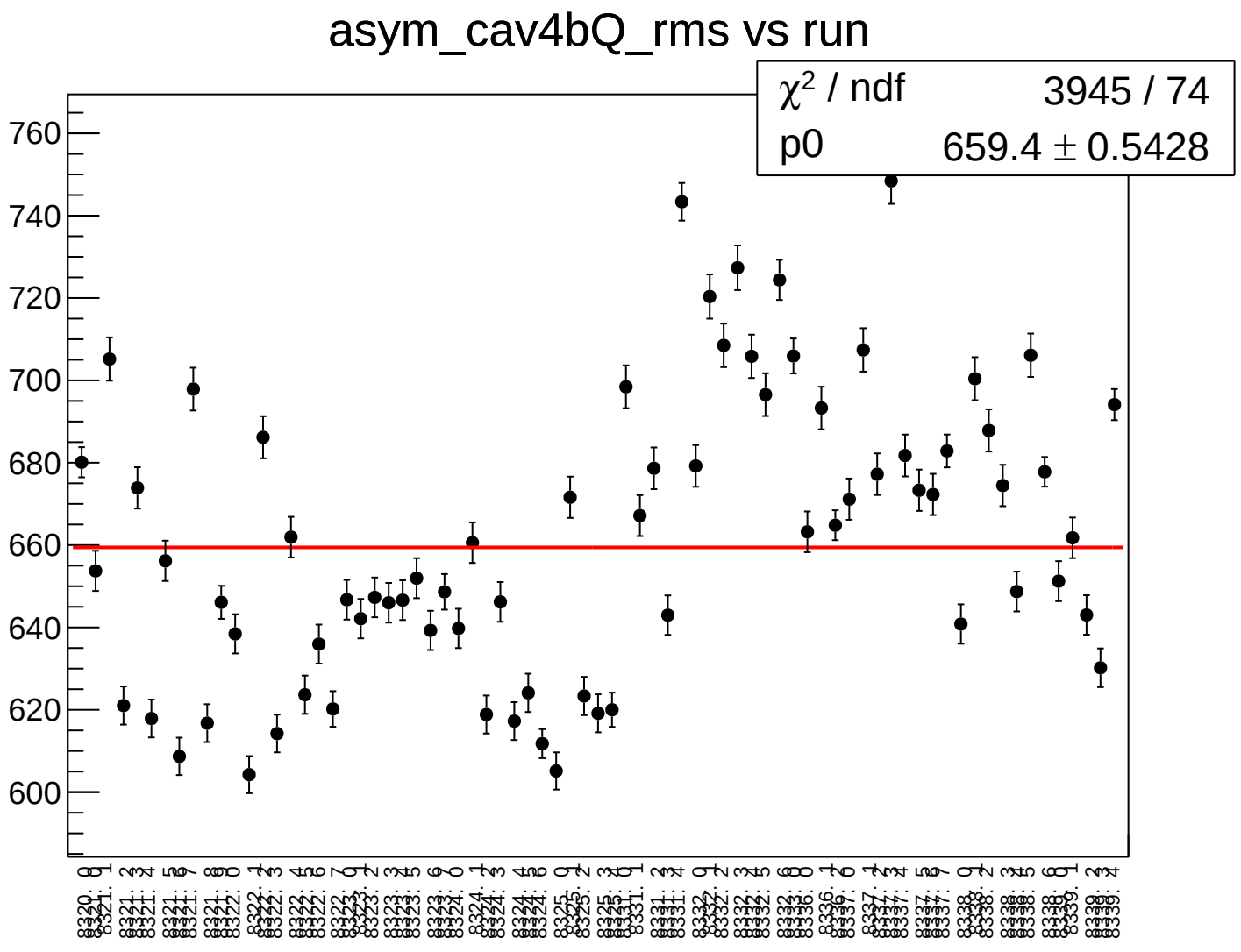

asym_bcm_dg_ds_mean vs run
χ² / ndf 20.25 / 74
p0 607.9 ± 222.9
pull
Entries 75
Mean −188.1
Std Dev 0

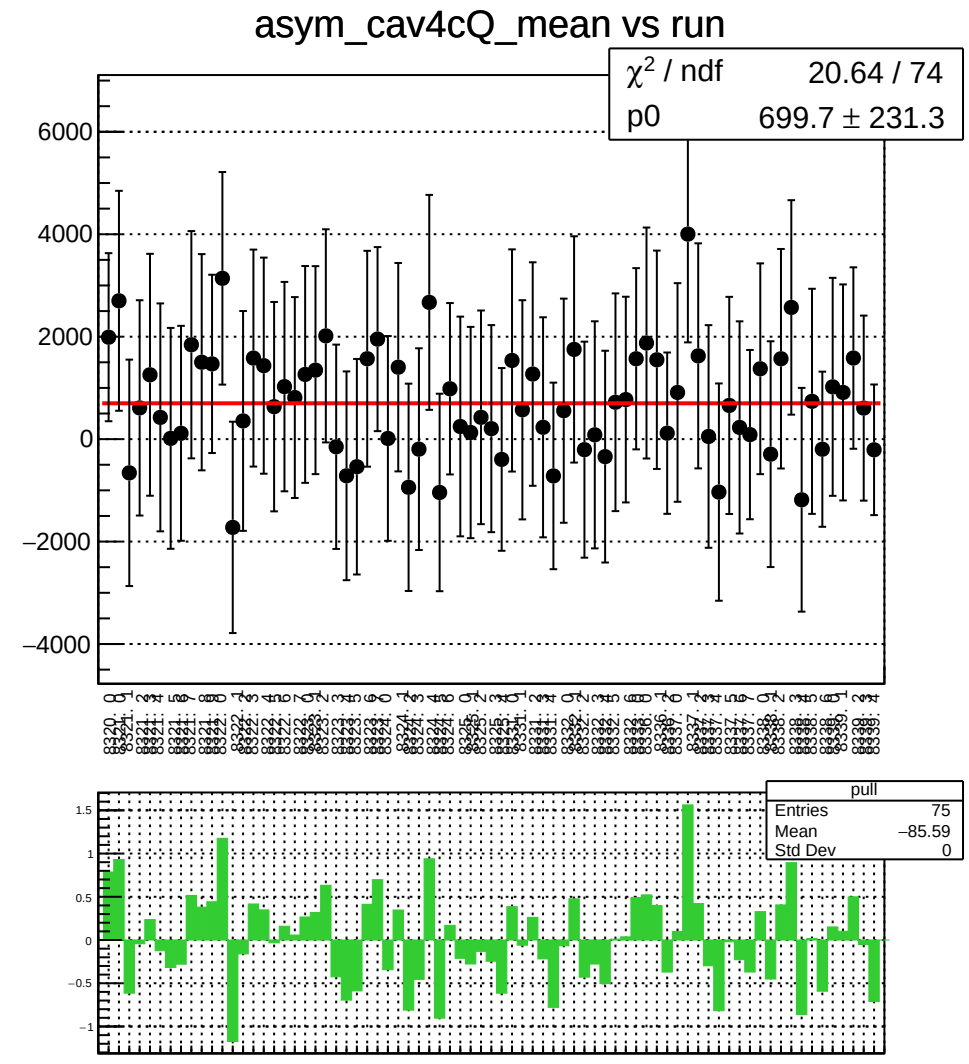

pull1D
Entries 75
Mean 0.009534
Std Dev 0.5195

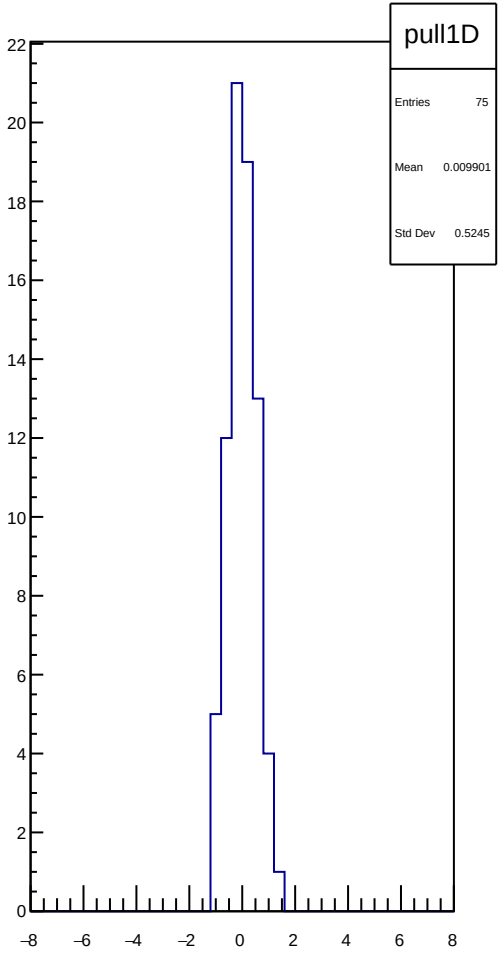

asym_bcm_dg_ds_rms vs run
χ² / ndf 4413 / 74
p0 191.5 ± 0.1576
210
200
190
180
170
160

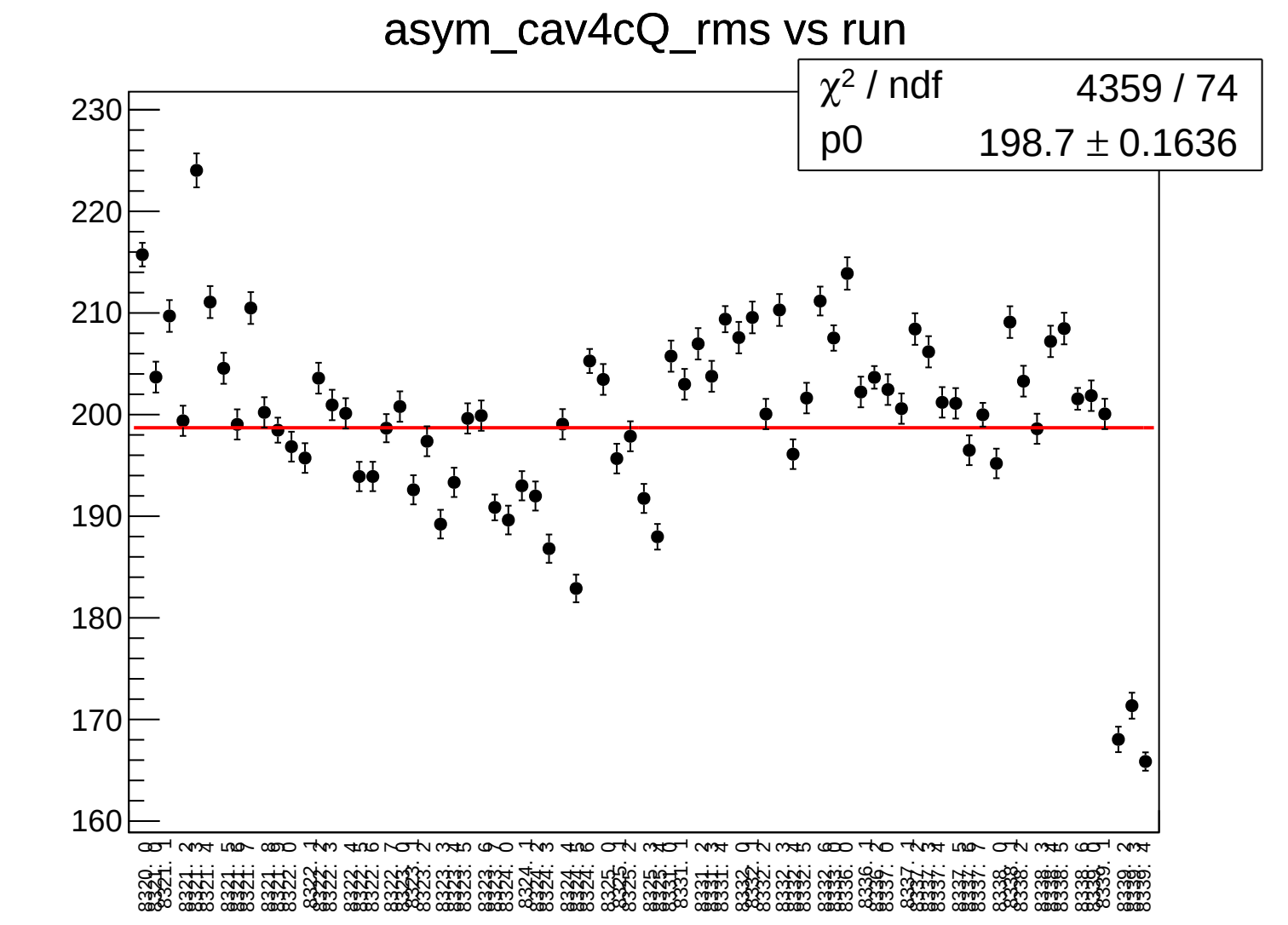

asym_cav4bQ_mean vs run
χ² / ndf 79.17 / 74
p0 −1543 ± 767.6
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −41.15
Std Dev 0
2
1
0
−1
−2

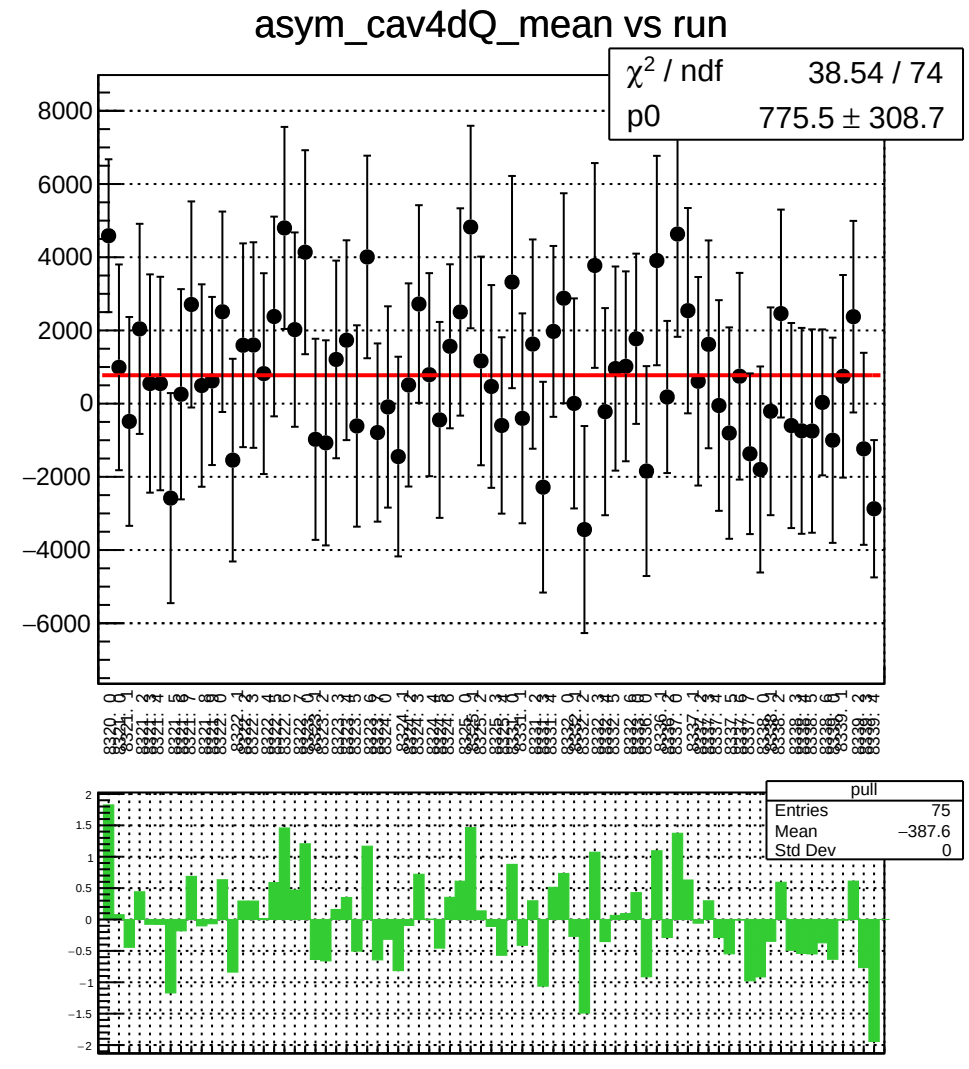

pull1D
Entries 75
Mean −0.004038
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

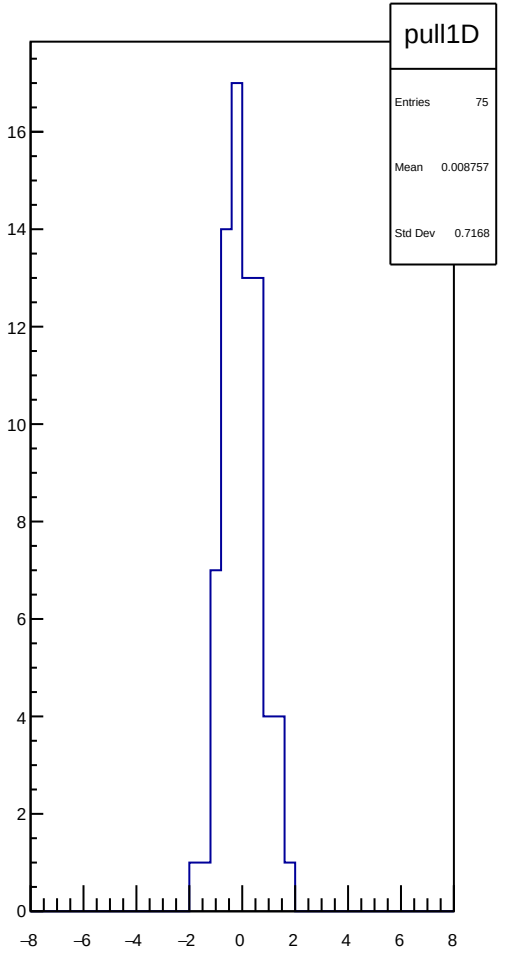

asym_cav4bQ_rms vs run
χ² / ndf 3945 / 74
p0 659.4 ± 0.5428
760
740
720
700
680
660
640
620
600

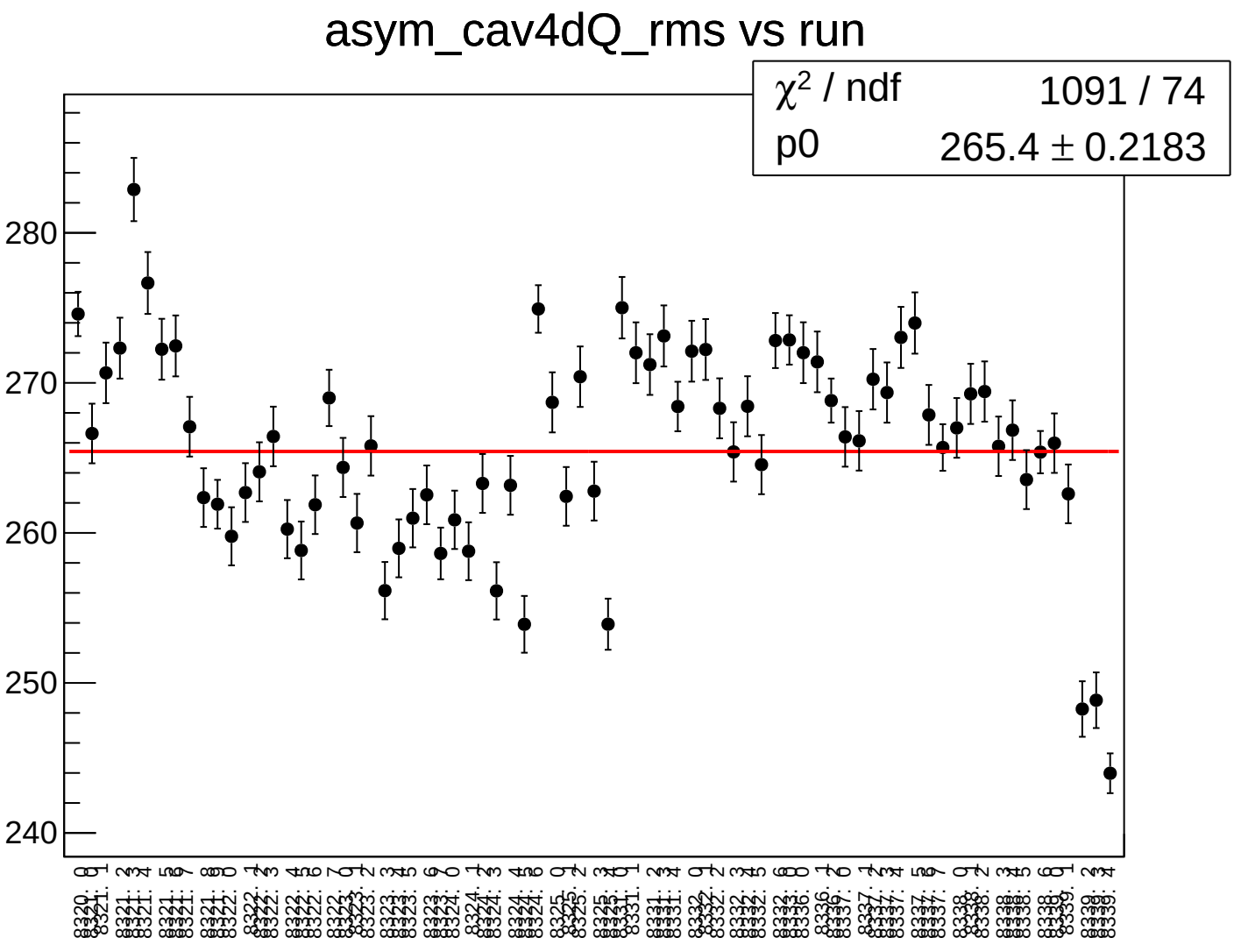

asym_cav4cQ_mean vs run
χ² / ndf 20.64 / 74
p0 699.7 ± 231.3
pull
Entries 75
Mean −85.59
Std Dev 0

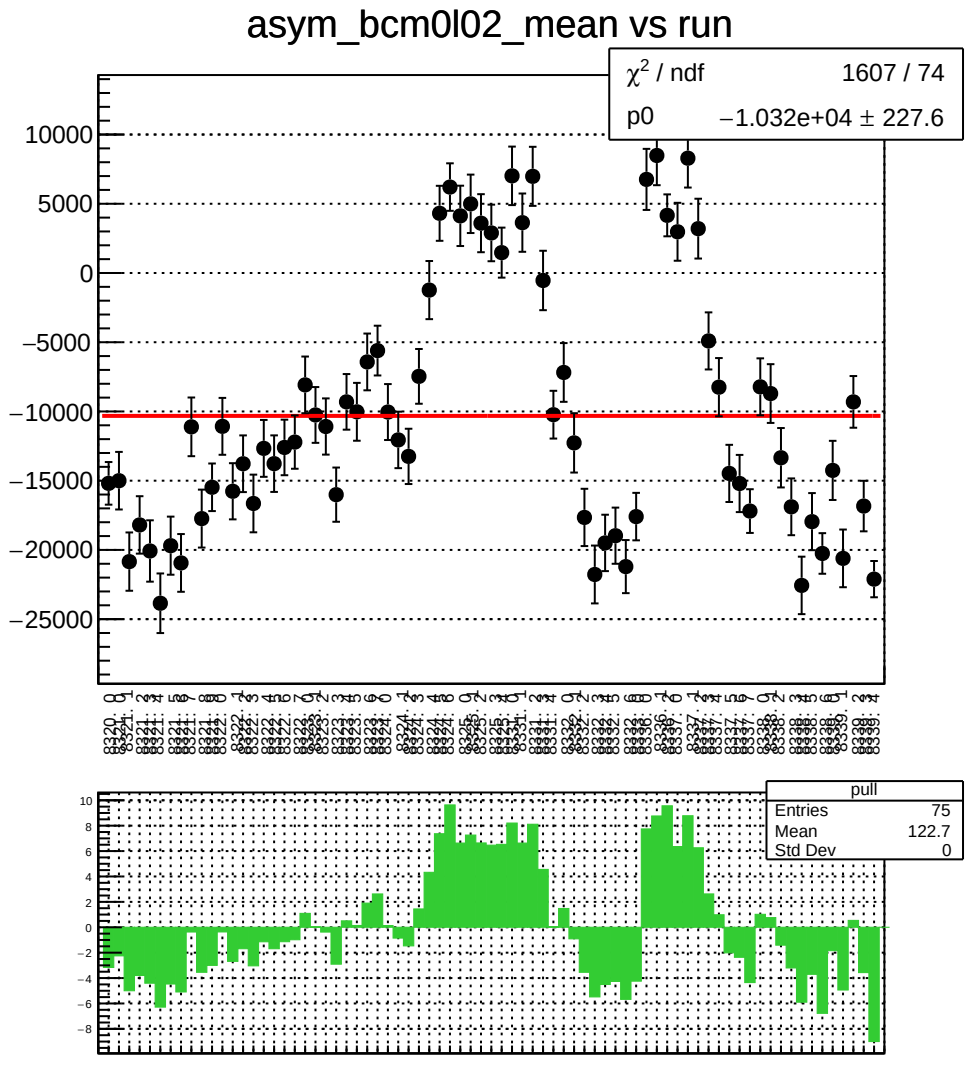

pull1D
Entries 75
Mean 0.009901
Std Dev 0.5245

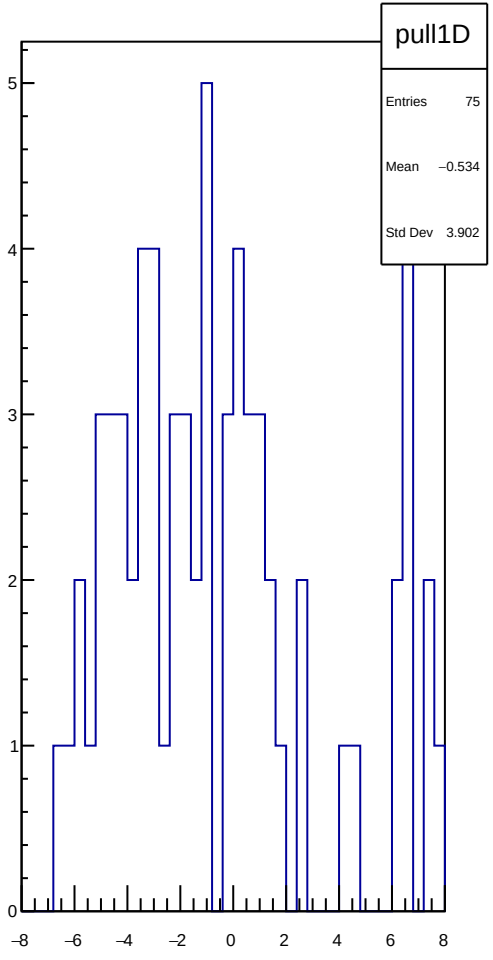

asym_cav4cQ_rms vs run
χ² / ndf 4359 / 74
p0 198.7 ± 0.1636
230
220
210
200
190
180
170
160

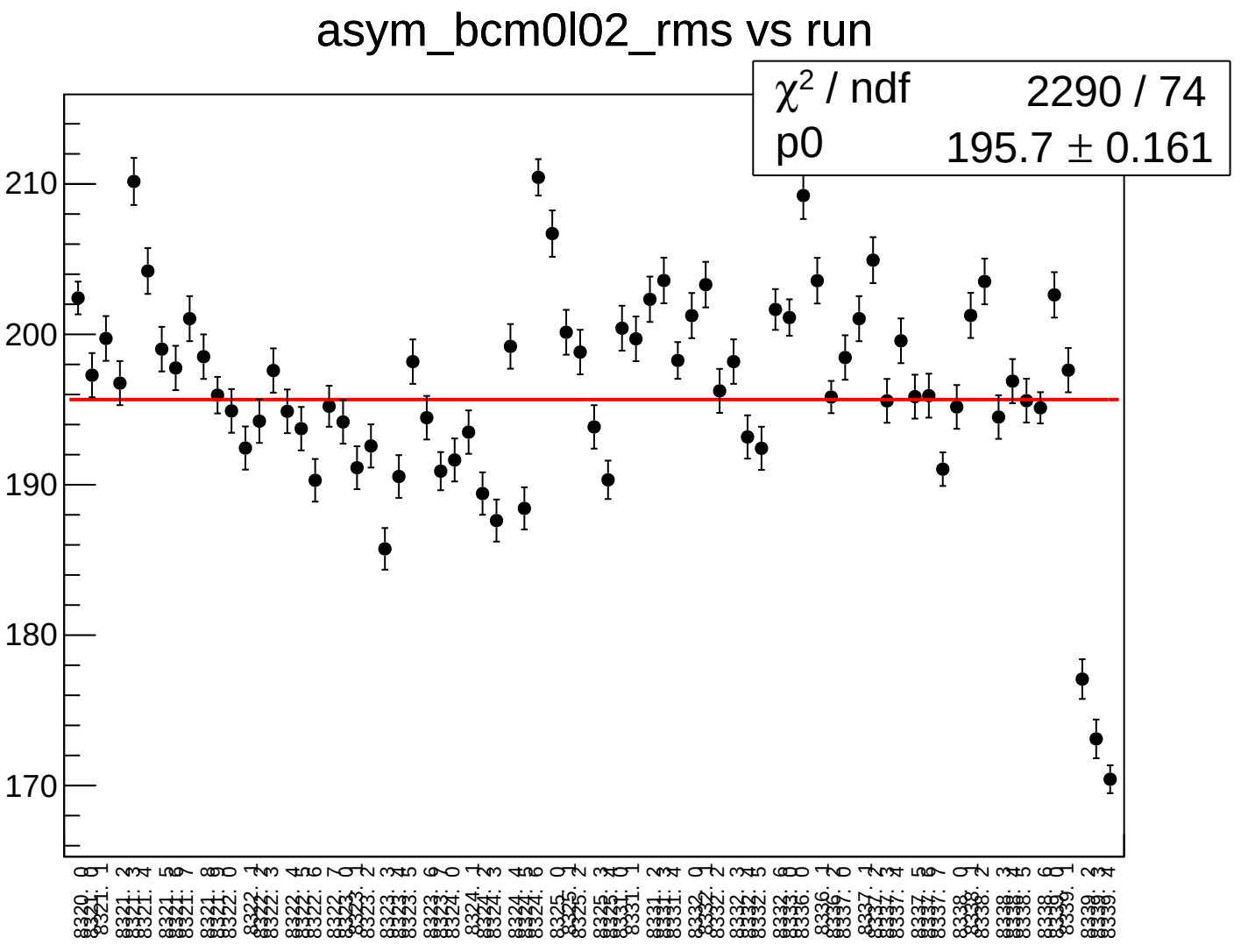

asym_cav4dQ_mean vs run
χ² / ndf 38.54 / 74
p0 775.5 ± 308.7
pull
Entries 75
Mean −387.6
Std Dev 0

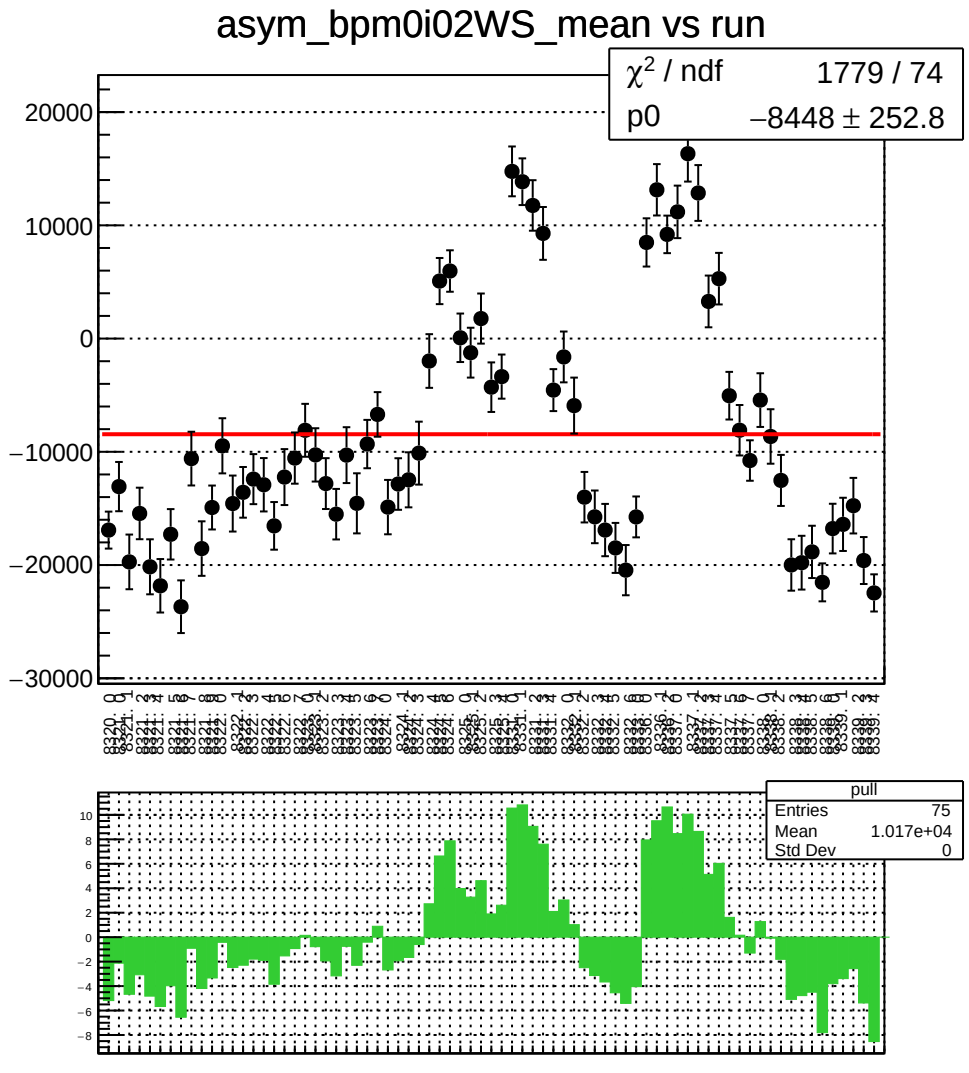

pull1D
Entries 75
Mean 0.008757
Std Dev 0.7168

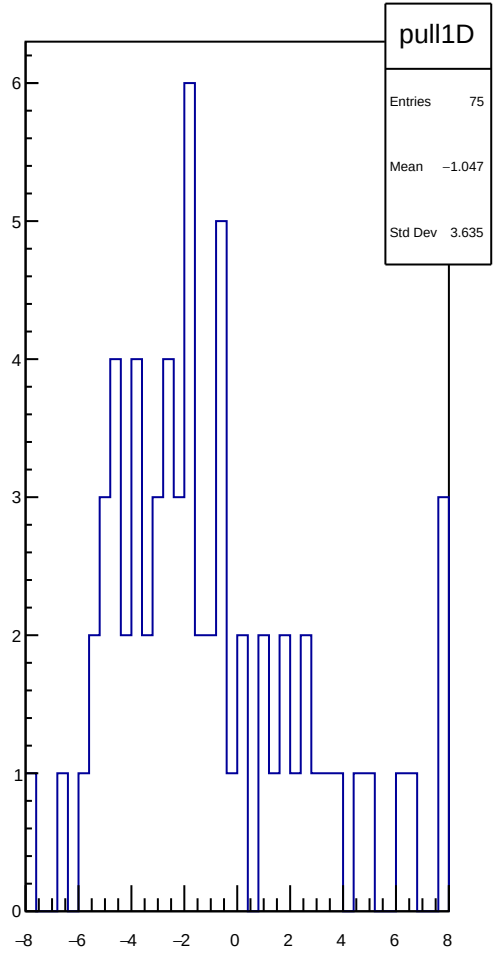

asym_cav4dQ_rms vs run
χ² / ndf 1091 / 74
p0 265.4 ± 0.2183
280
270
260
250
240

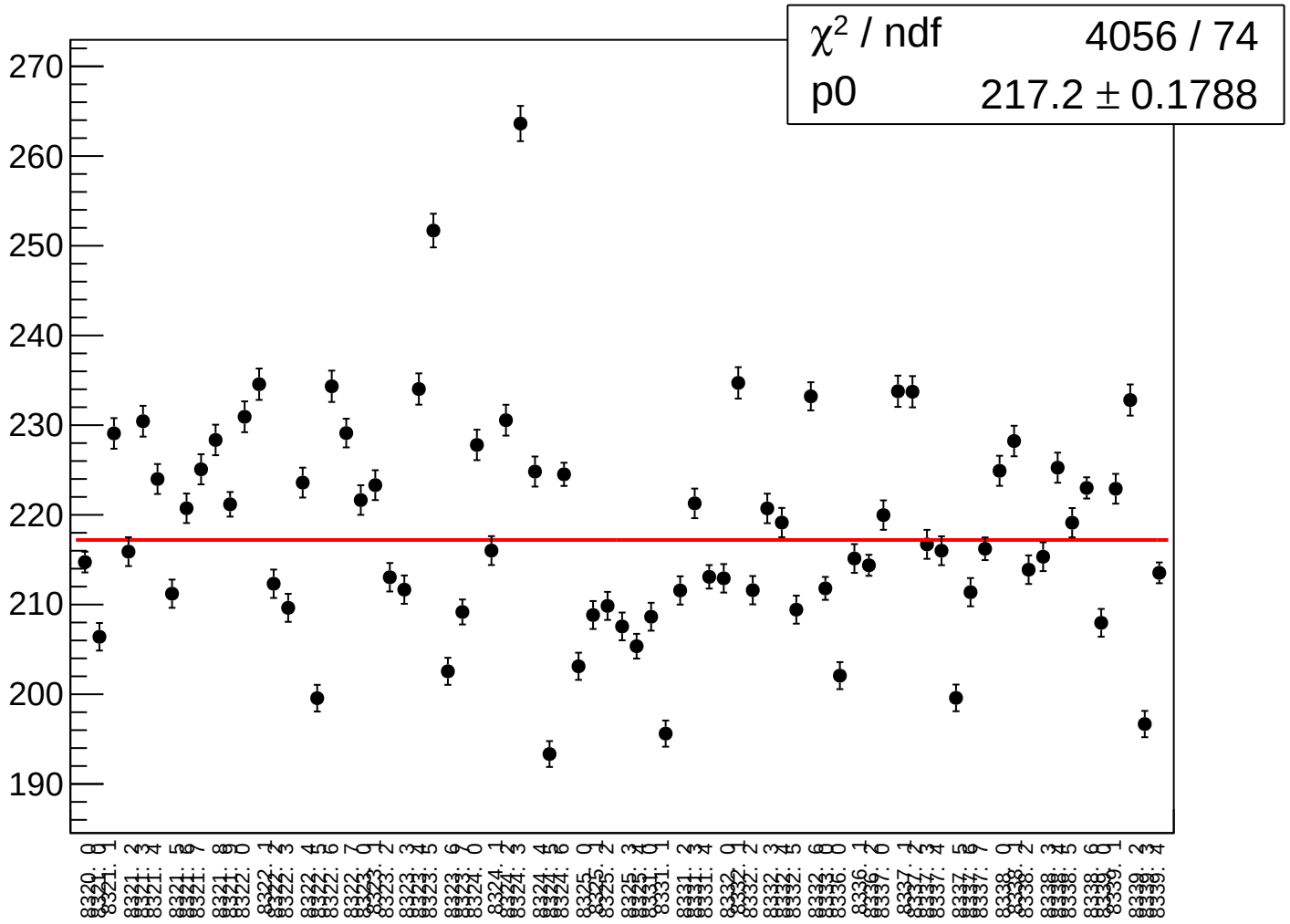

asym_bcm0l02_mean vs run
χ² / ndf 1607 / 74
p0 −1.032e+04 ± 227.6
pull
Entries 75
Mean 122.7
Std Dev 0

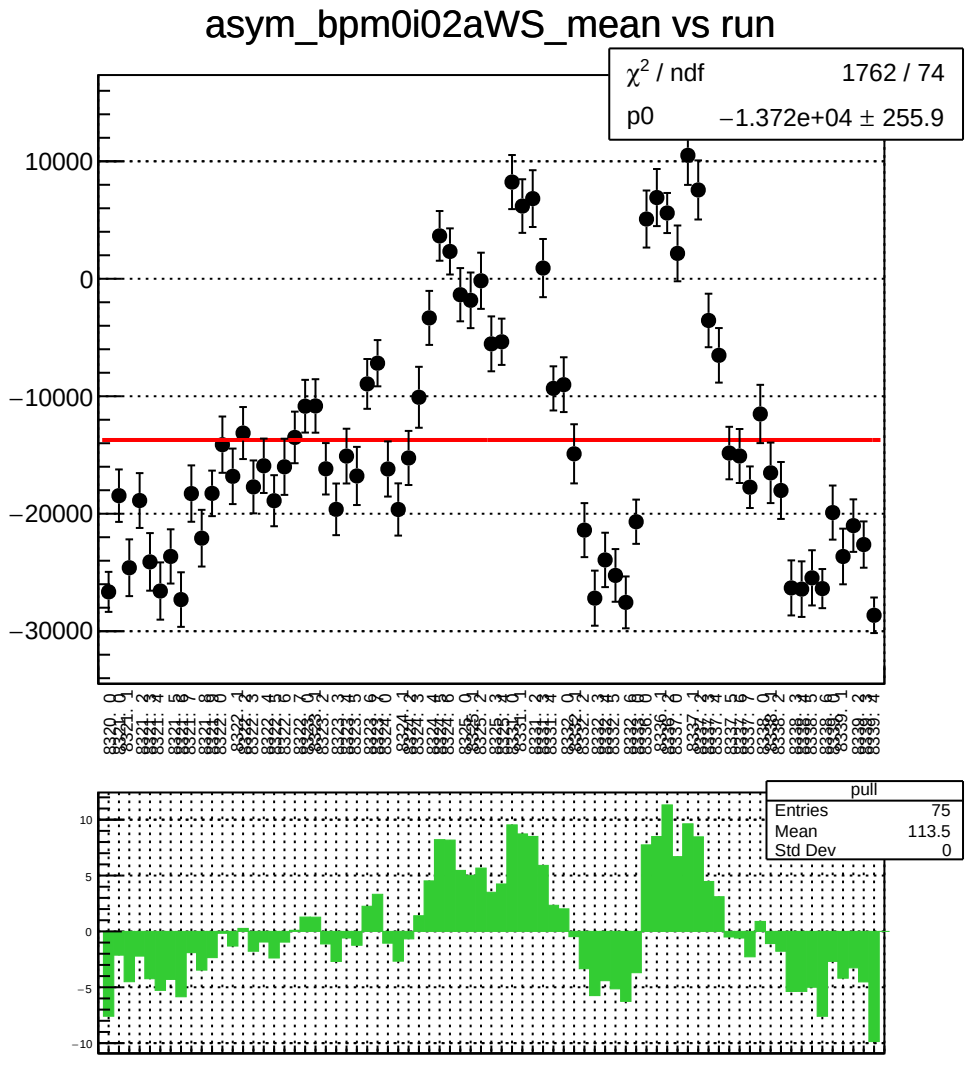

pull1D
Entries 75
Mean −0.534
Std Dev 3.902

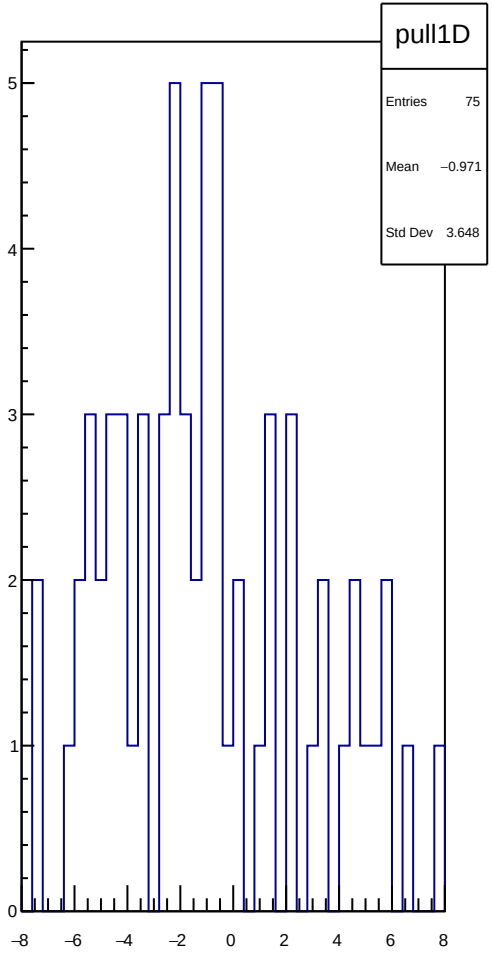

asym_bcm0l02_rms vs run
χ² / ndf 2290 / 74
p0 195.7 ± 0.161
210
200
190
180
170

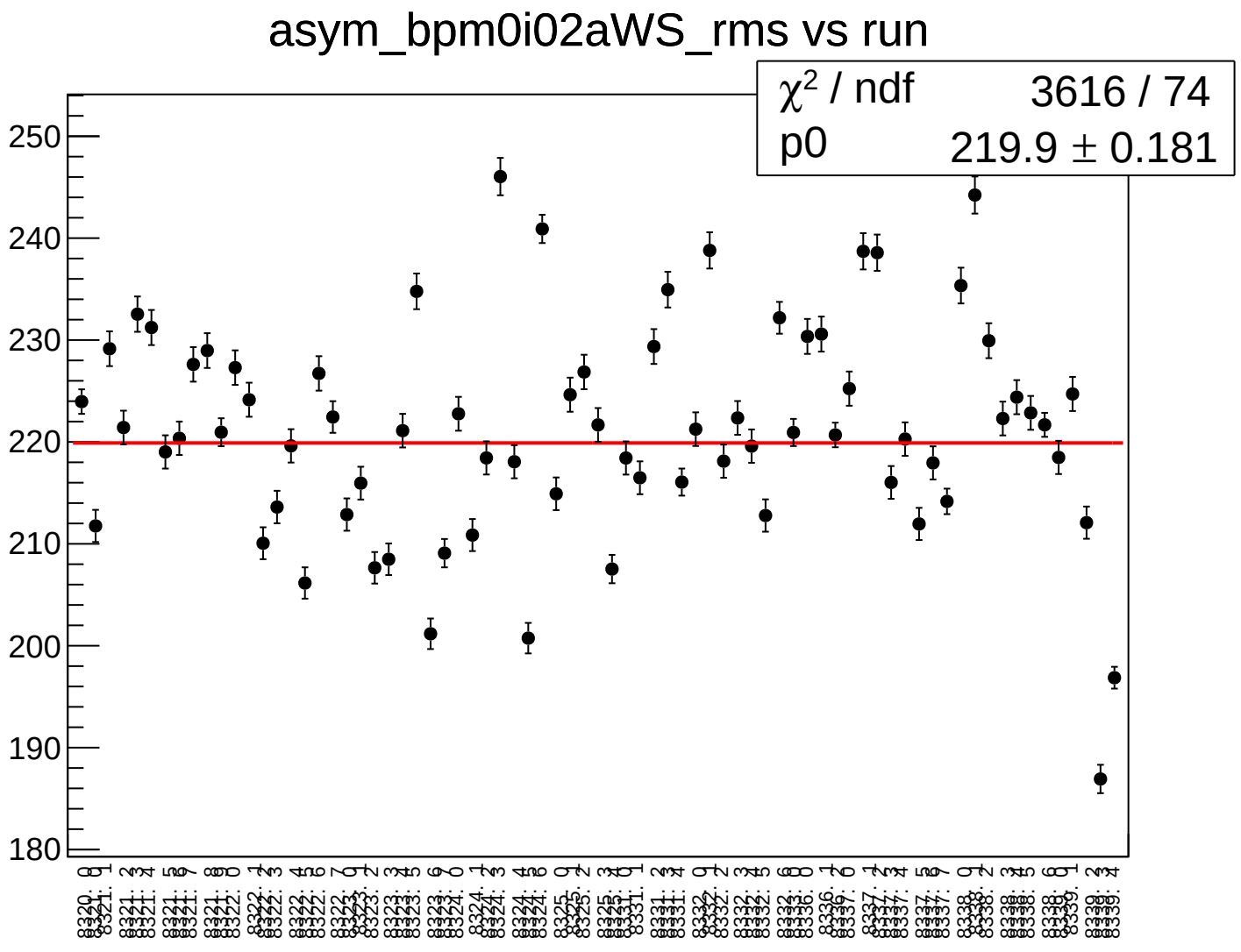

asym_bpm0i02WS_mean vs run
χ² / ndf 1779 / 74
p0 −8448 ± 252.8
pull
Entries 75
Mean 1.017e+04
Std Dev 0

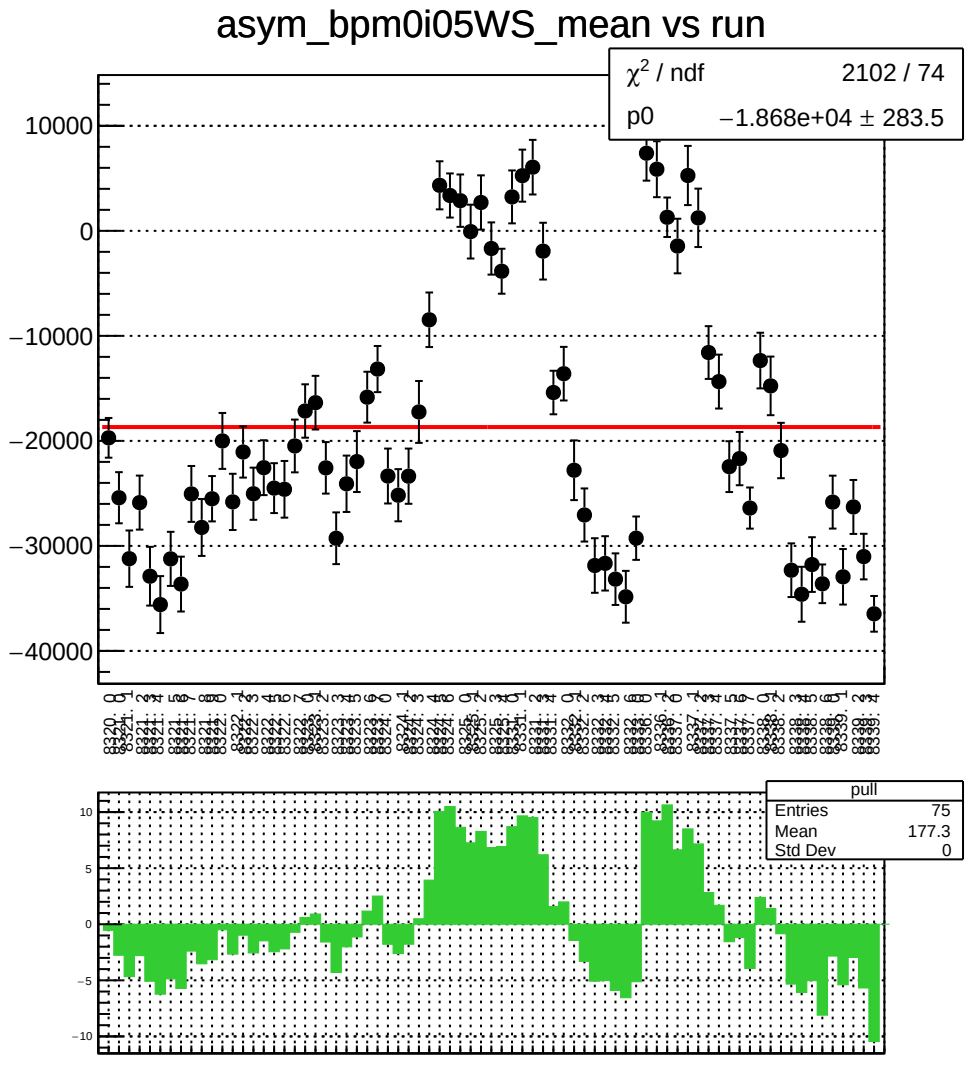

pull1D
Entries 75
Mean −1.047
Std Dev 3.635

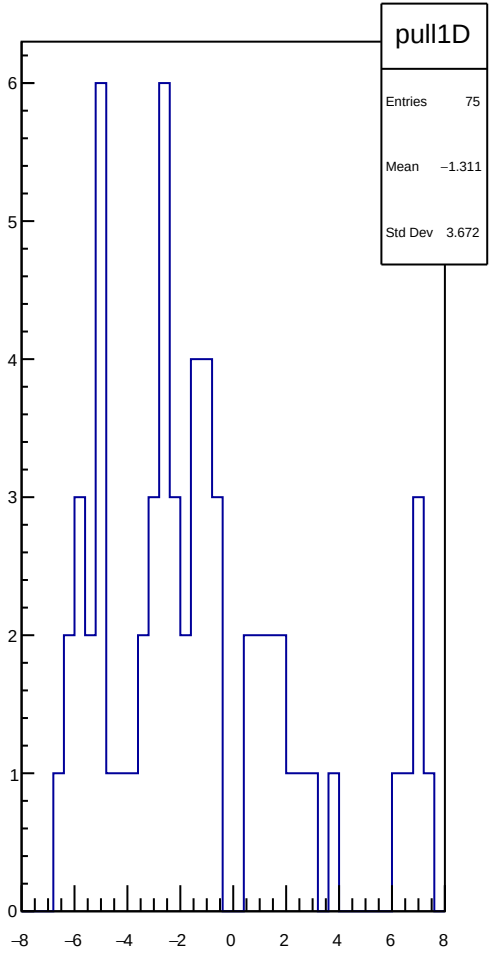

asym_bpm0i02WS_rms vs run
χ² / ndf 4056 / 74
p0 217.2 ± 0.1788
270
260
250
240
230
220
210
200
190

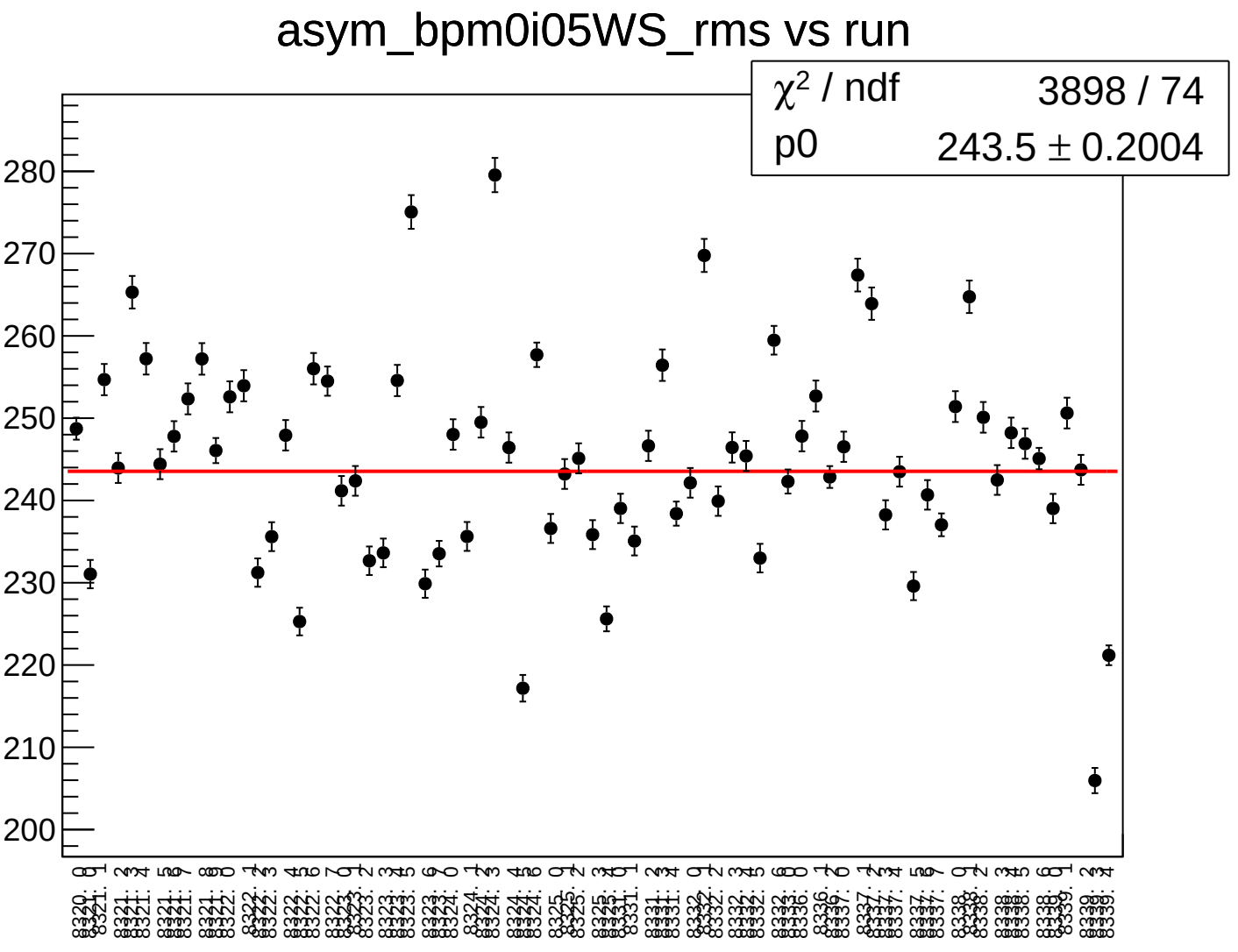

asym_bpm0i02aWS_mean vs run
χ² / ndf 1762 / 74
p0 −1.372e+04 ± 255.9
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 113.5
Std Dev 0
10
5
0
−5
−10

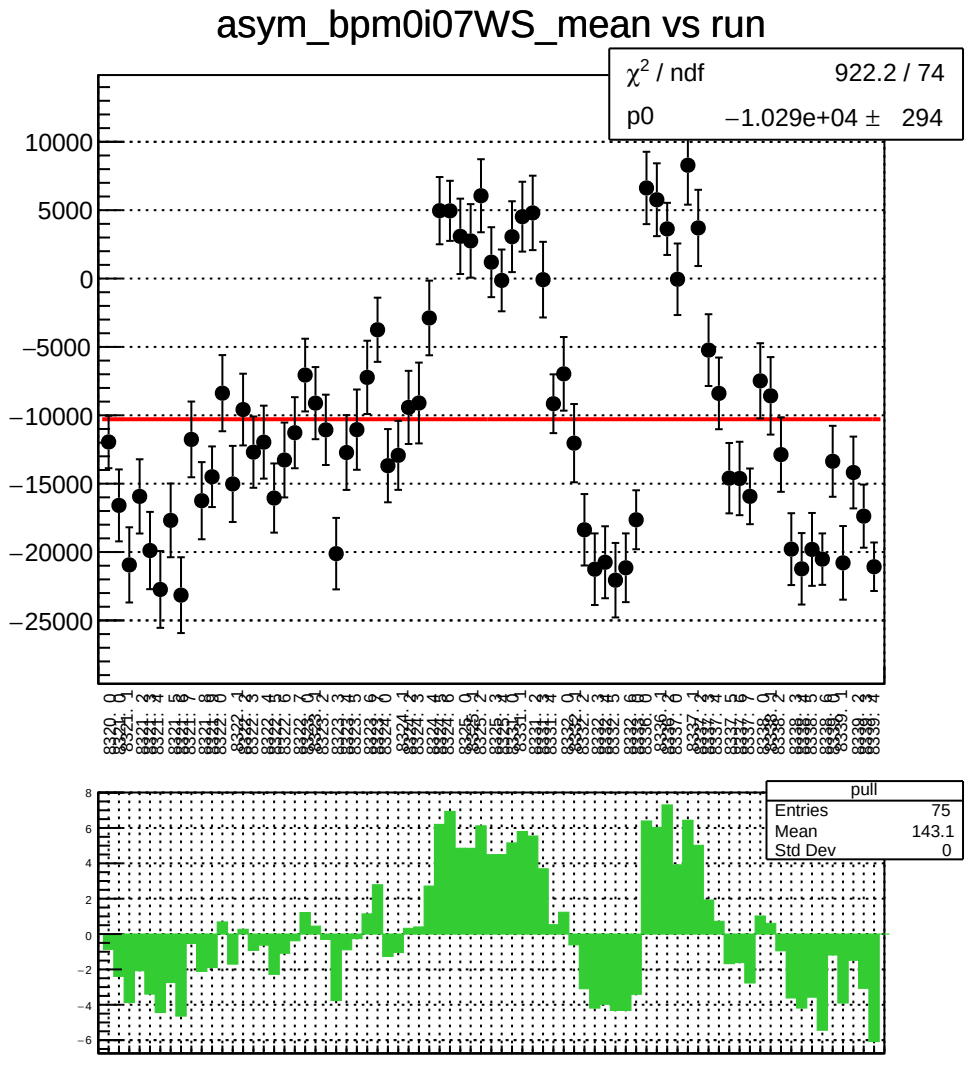

pull1D
Entries 75
Mean −0.971
Std Dev 3.648
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

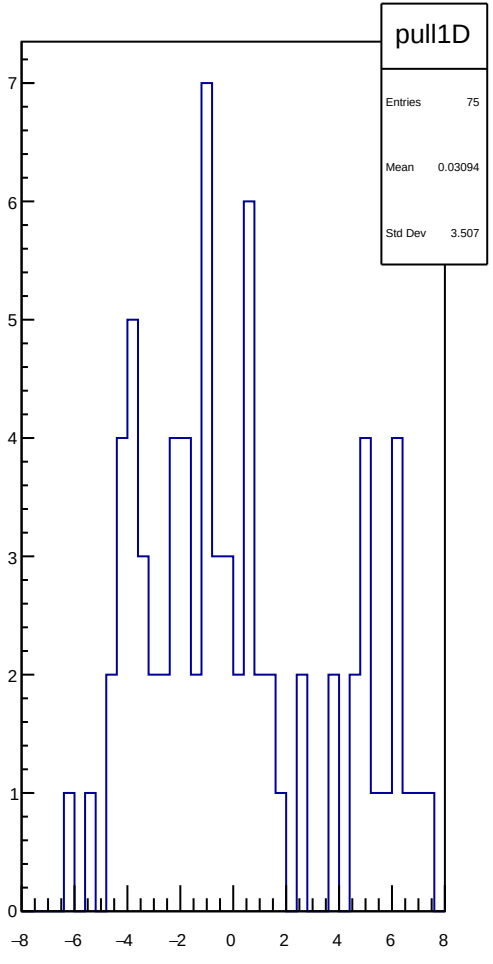

asym_bpm0i02aWS_rms vs run
χ² / ndf 3616 / 74
p0 219.9 ± 0.181
250
240
230
220
210
200
190
180

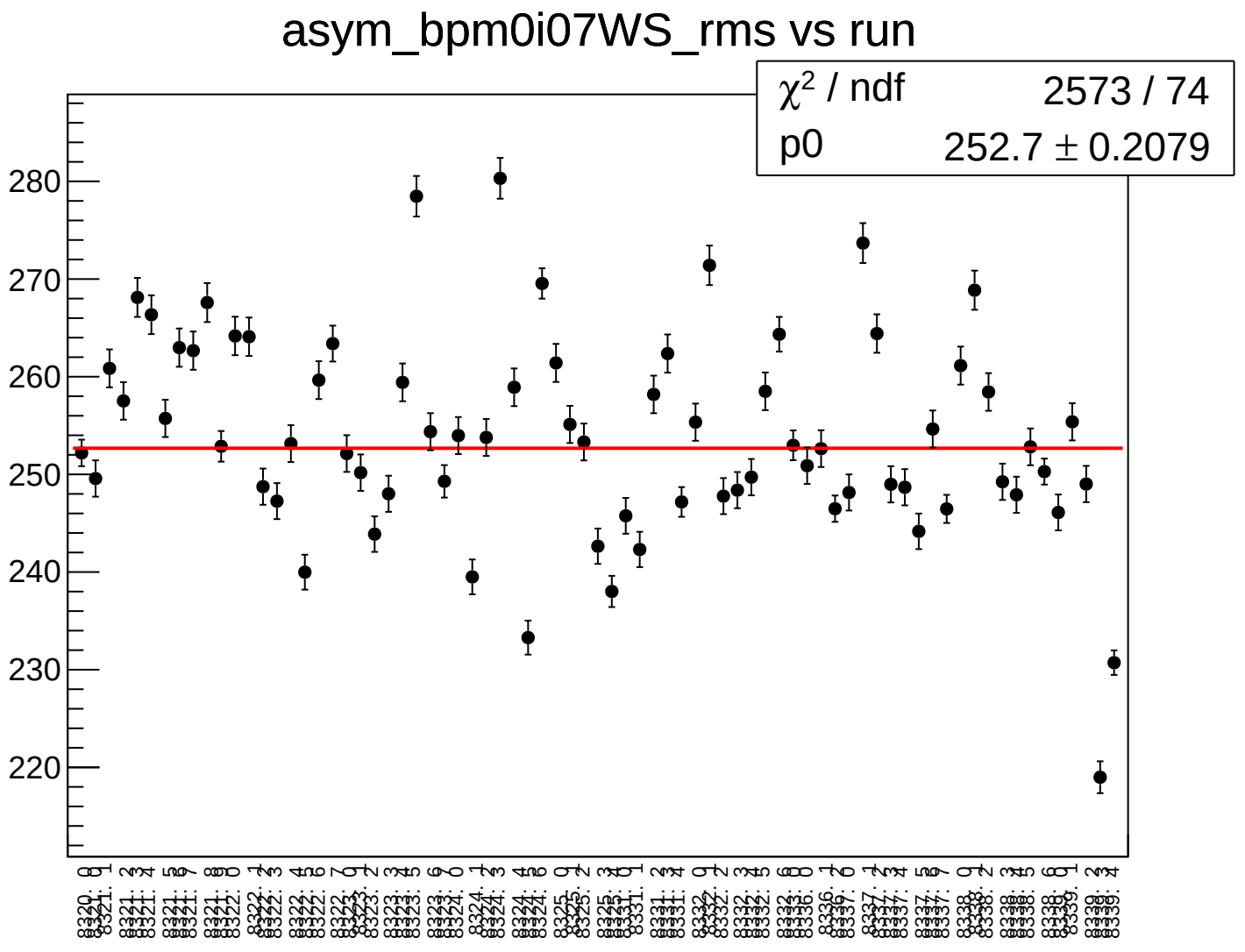

asym_bpm0i05WS_mean vs run
χ² / ndf 2102 / 74
p0 −1.868e+04 ± 283.5
pull
Entries 75
Mean 177.3
Std Dev 0

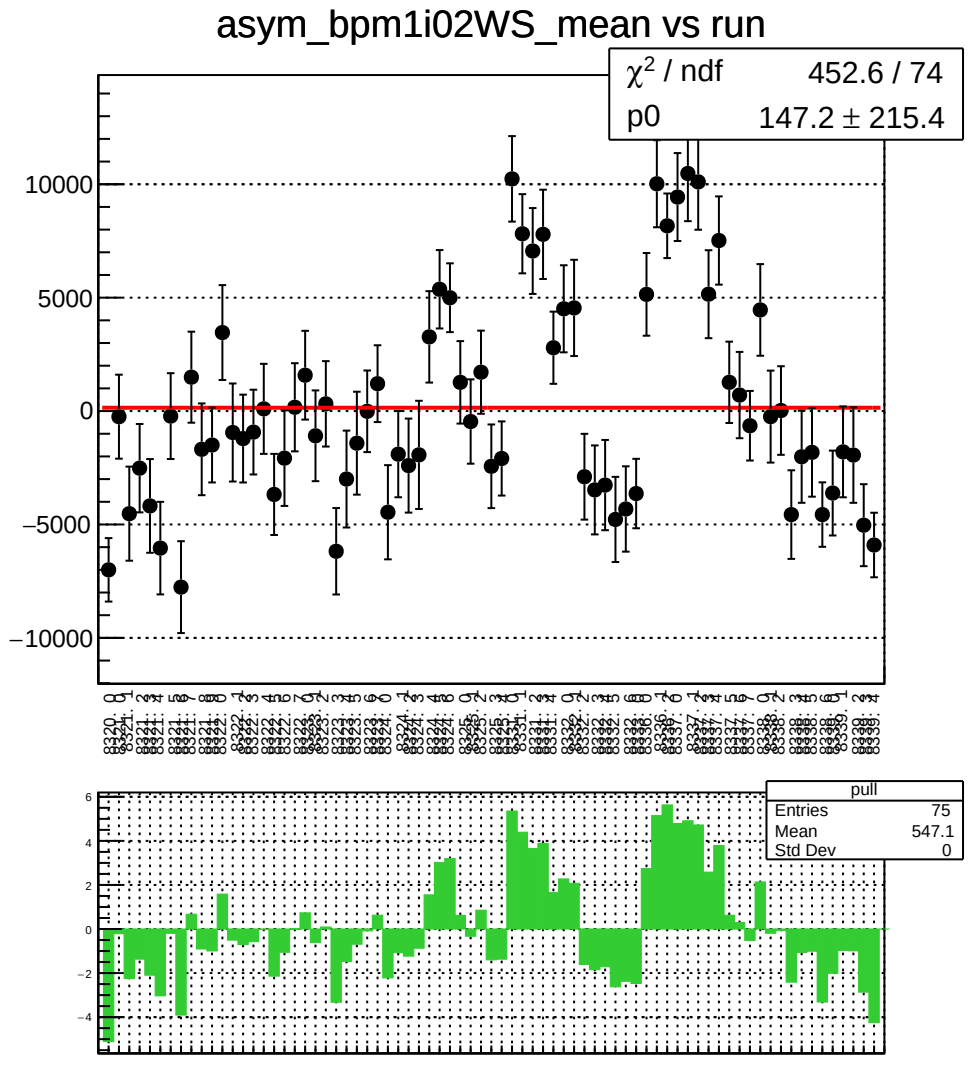

pull1D
Entries 75
Mean −1.311
Std Dev 3.672

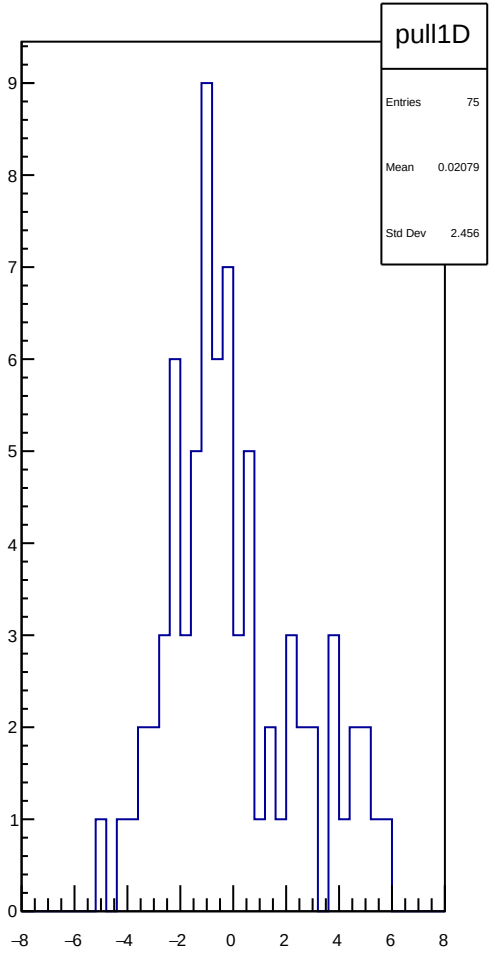

asym_bpm0i05WS_rms vs run
χ² / ndf 3898 / 74
p0 243.5 ± 0.2004
280
270
260
250
240
230
220
210
200

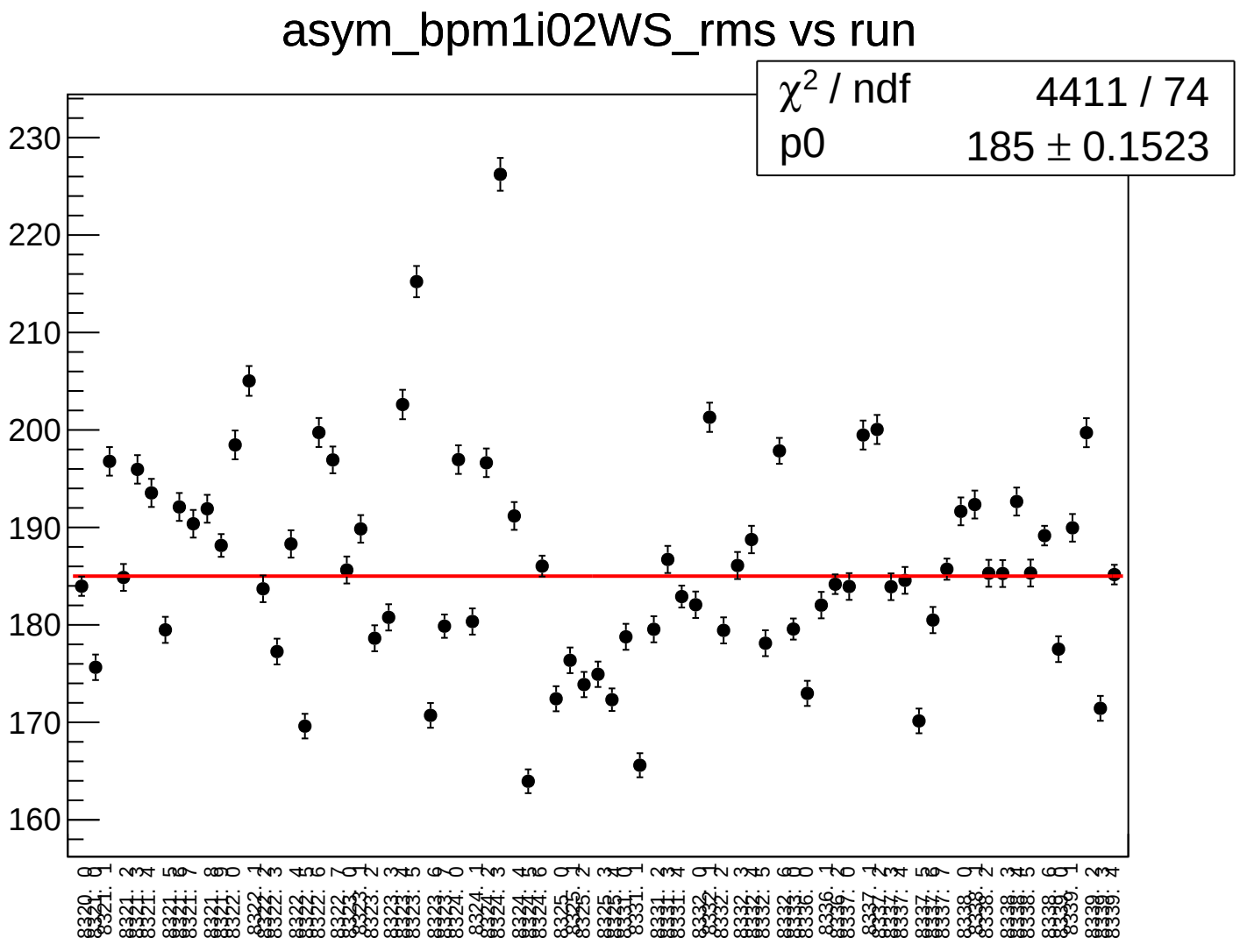

asym_bpm0i07WS_mean vs run
χ² / ndf 922.2 / 74
p0 −1.029e+04 ± 294
pull
Entries 75
Mean 143.1
Std Dev 0

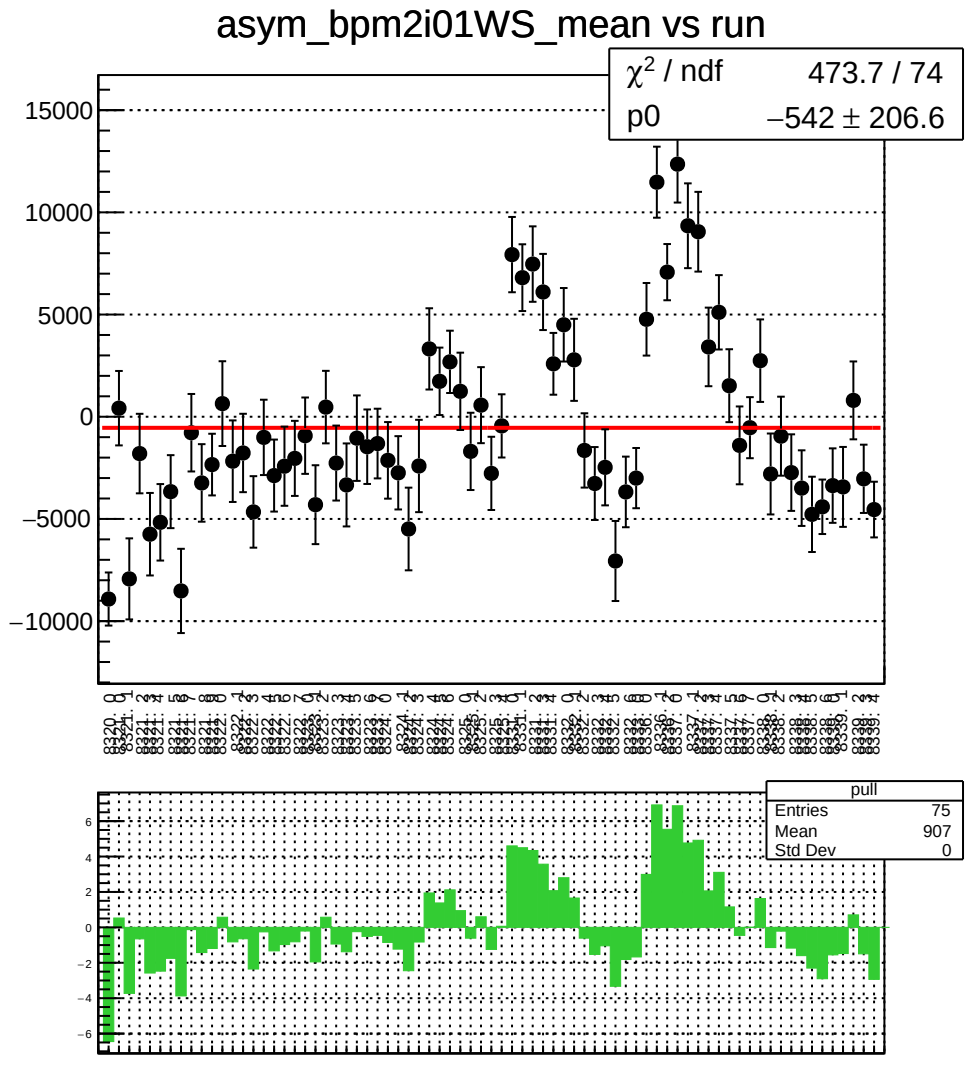

pull1D
Entries 75
Mean 0.03094
Std Dev 3.507

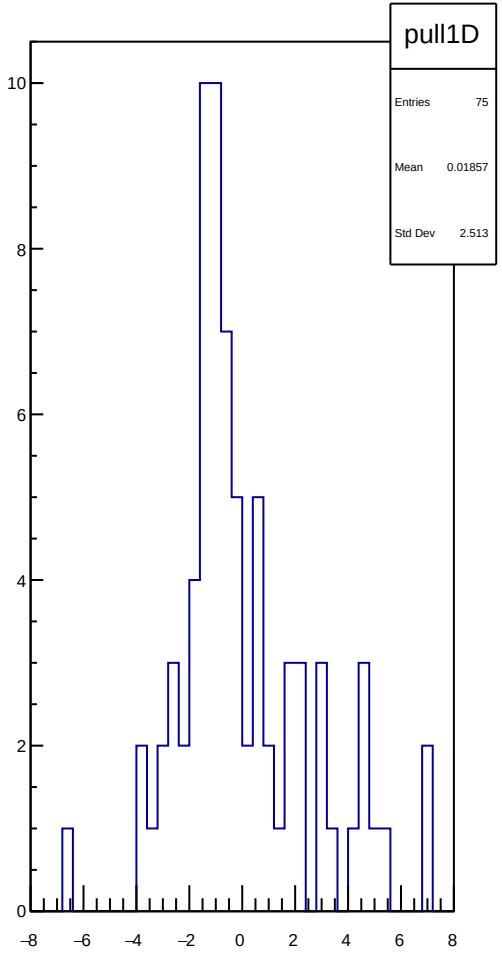

asym_bpm0i07WS_rms vs run
χ² / ndf 2573 / 74
p0 252.7 ± 0.2079
280
270
260
250
240
230
220

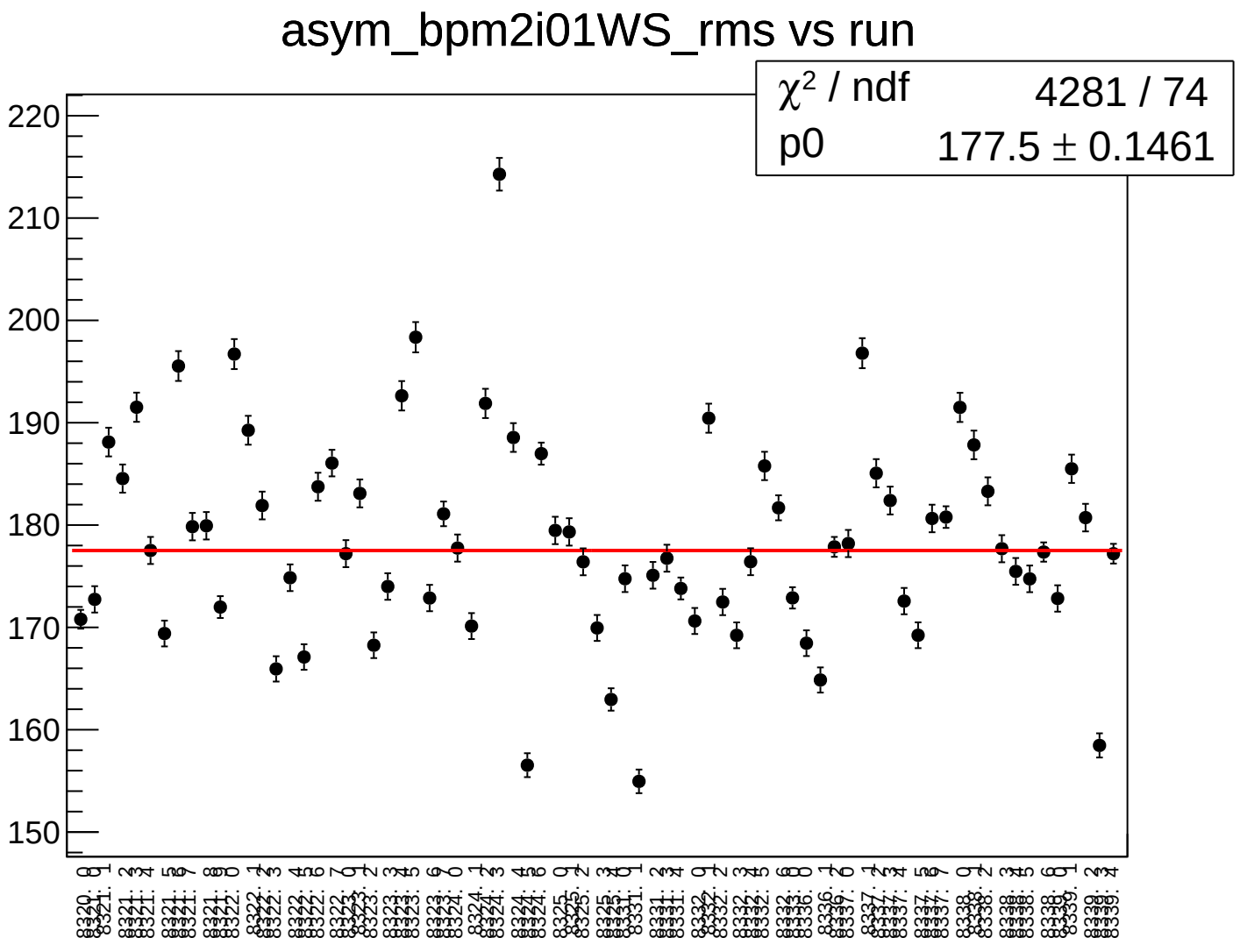

asym_bpm1i02WS_mean vs run
χ² / ndf 452.6 / 74
p0 147.2 ± 215.4
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 547.1
Std Dev 0
6
4
2
0
−2
−4

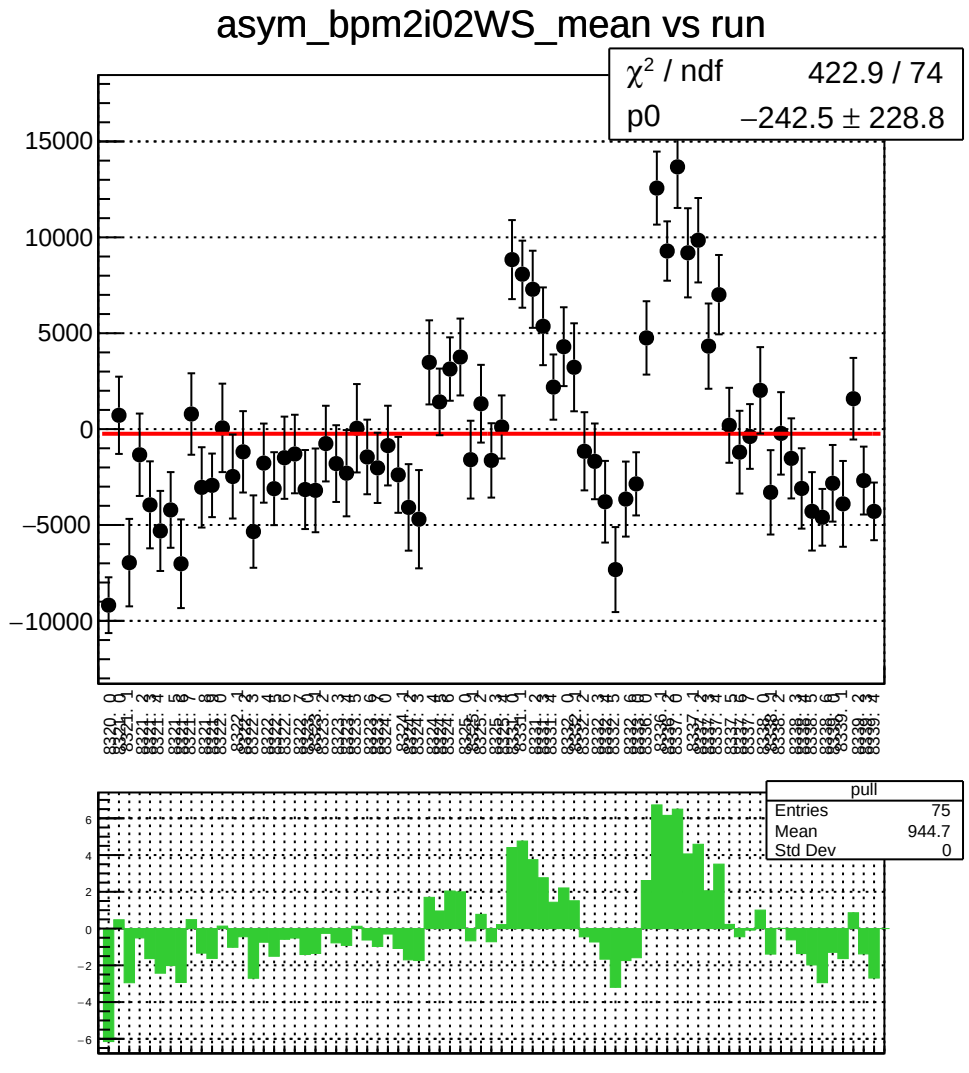

pull1D
Entries 75
Mean 0.02079
Std Dev 2.456
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

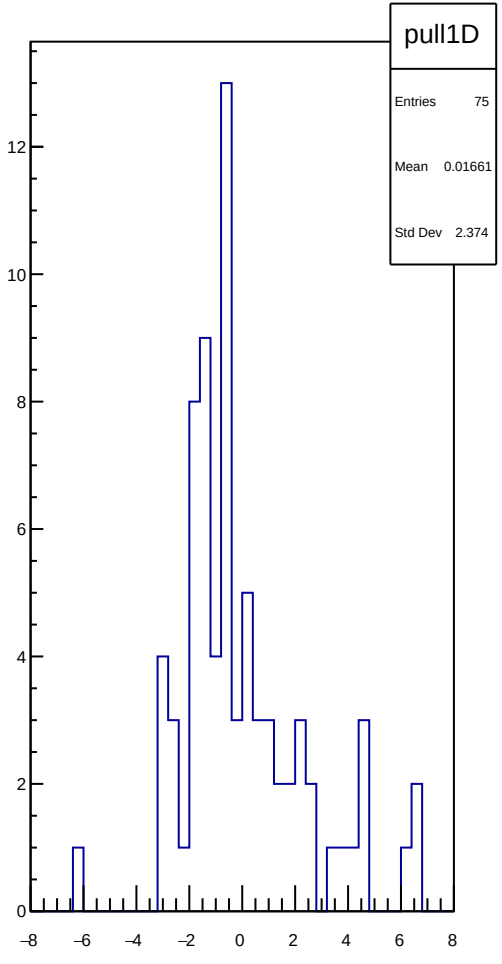

asym_bpm1i02WS_rms vs run
χ² / ndf 4411 / 74
p0 185 ± 0.1523
230
220
210
200
190
180
170
160

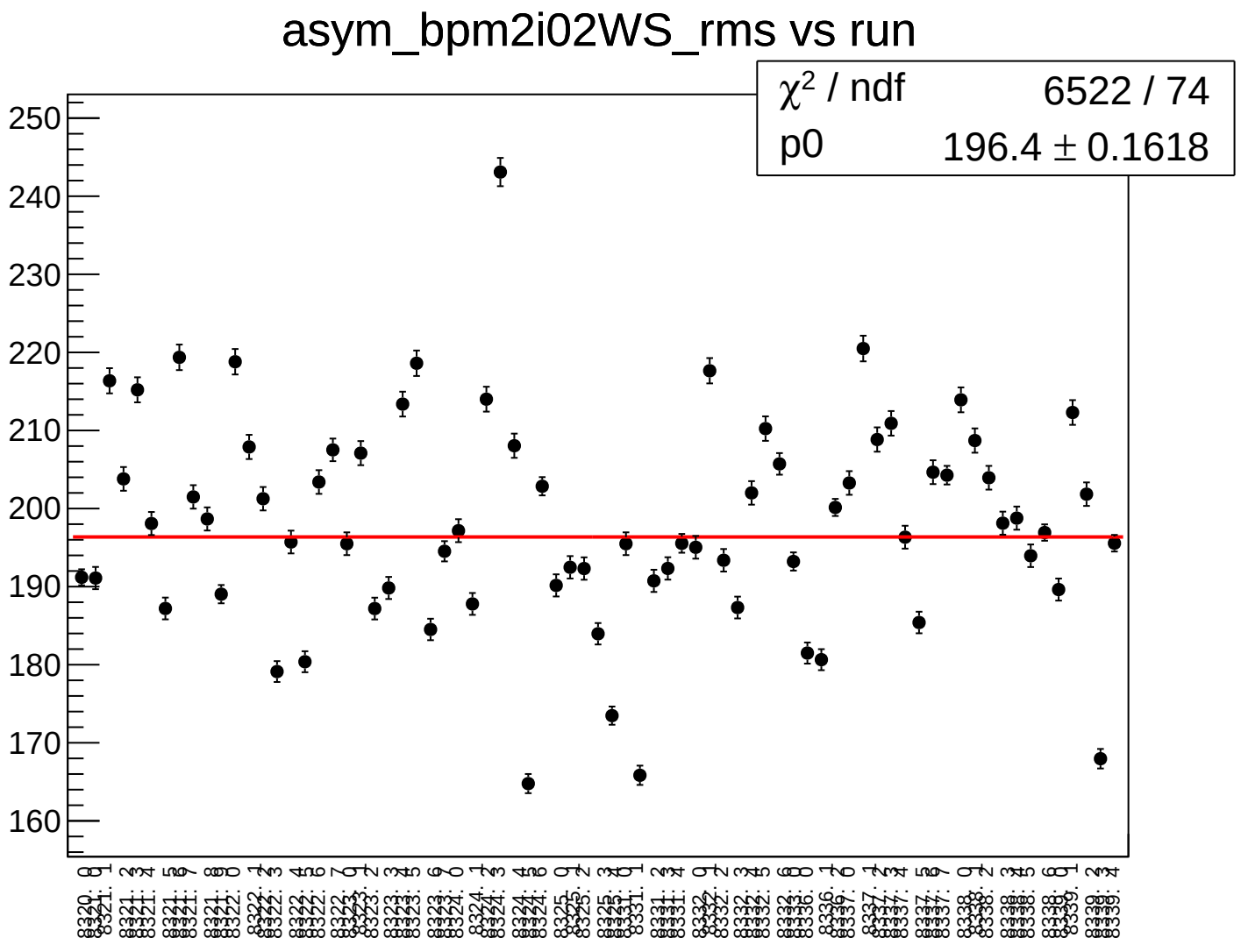

asym_bpm2i01WS_mean vs run
χ² / ndf 473.7 / 74
p0 −542 ± 206.6
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 907
Std Dev 0
6
4
2
0
−2
−4
−6

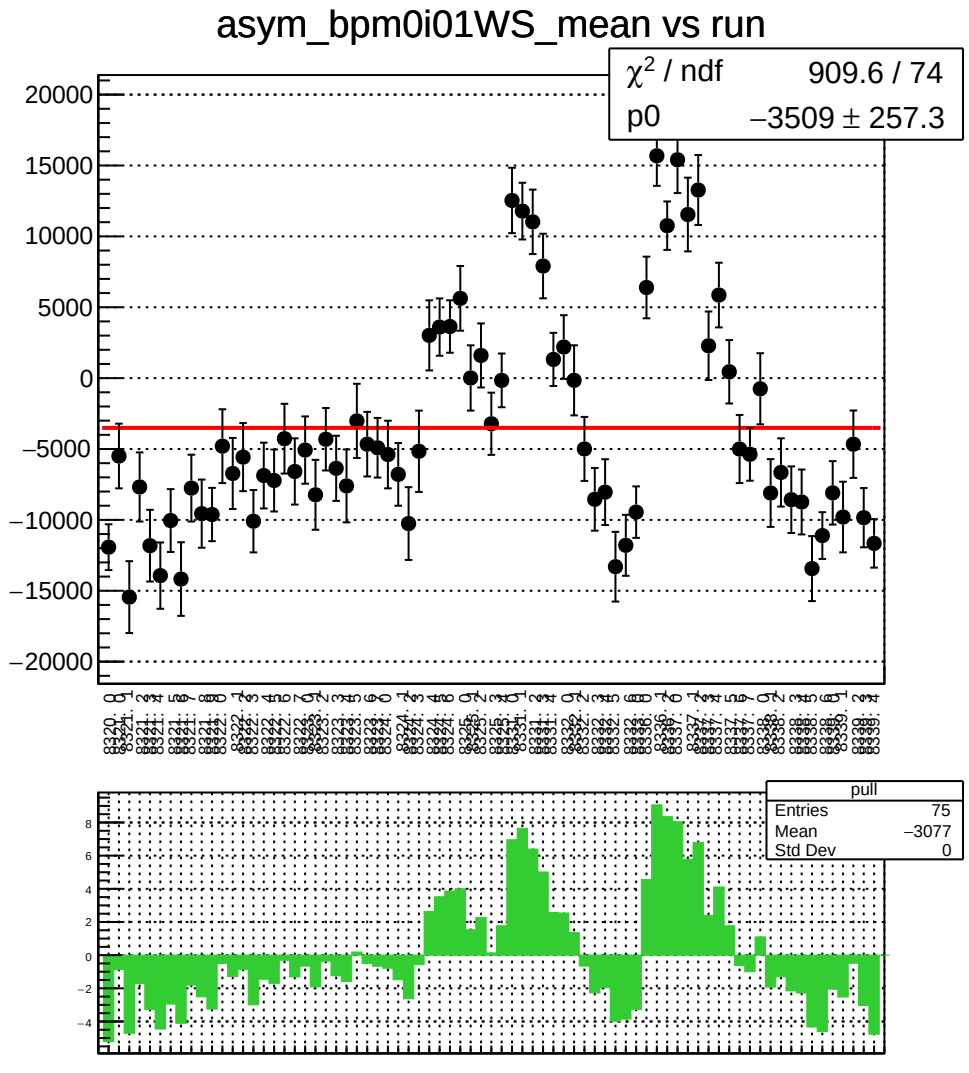

pull1D
Entries 75
Mean 0.01857
Std Dev 2.513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

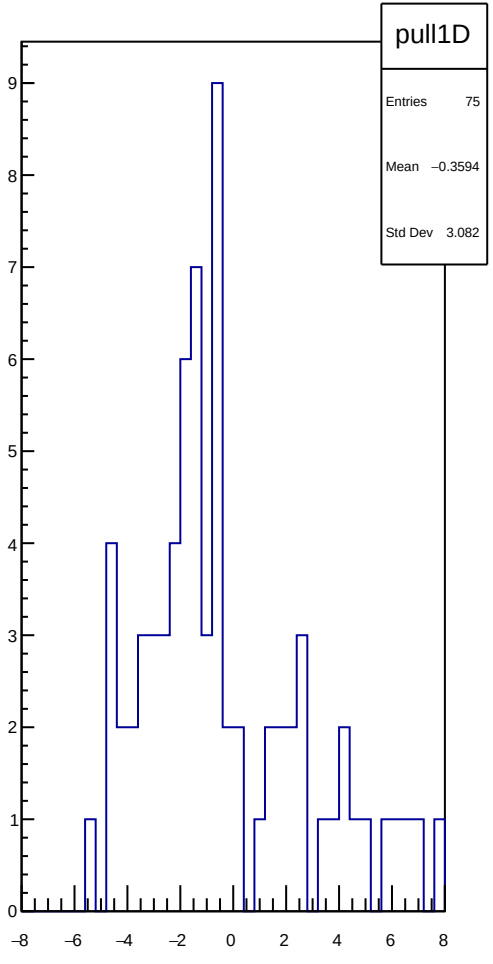

asym_bpm2i01WS_rms vs run
χ² / ndf 4281 / 74
p0 177.5 ± 0.1461
220
210
200
190
180
170
160
150

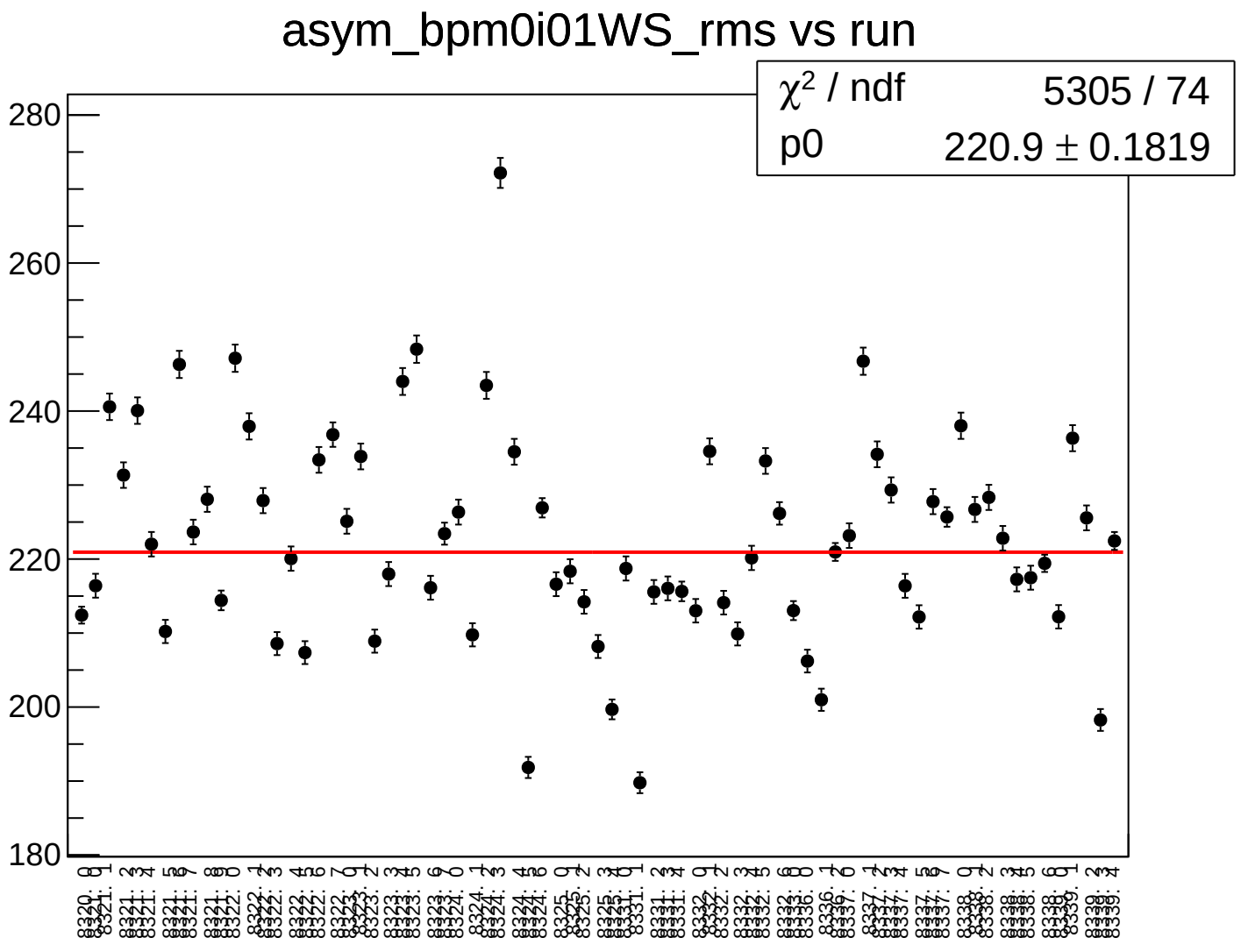

asym_bpm2i02WS_mean vs run
χ² / ndf 422.9 / 74
p0 −242.5 ± 228.8
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 944.7
Std Dev 0
6
4
2
0
−2
−4
−6

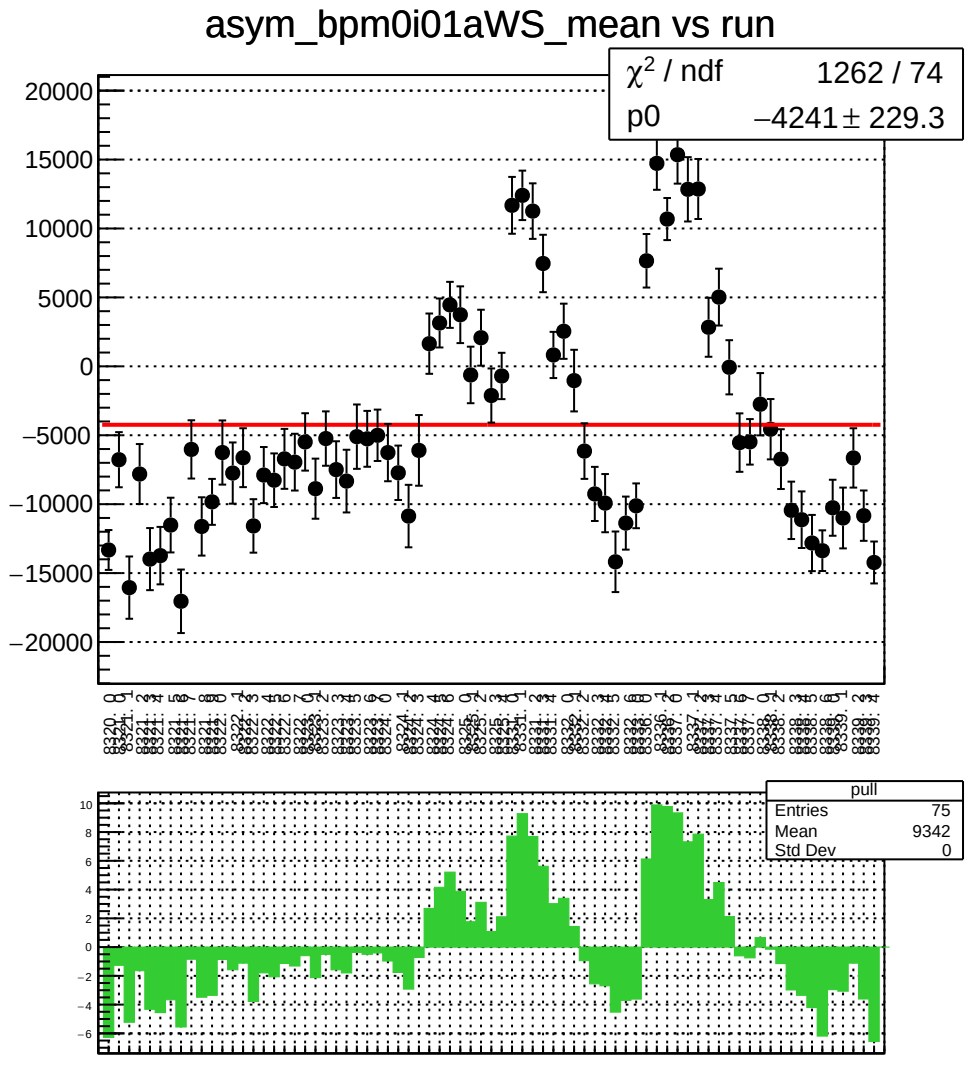

pull1D
Entries 75
Mean 0.01661
Std Dev 2.374
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

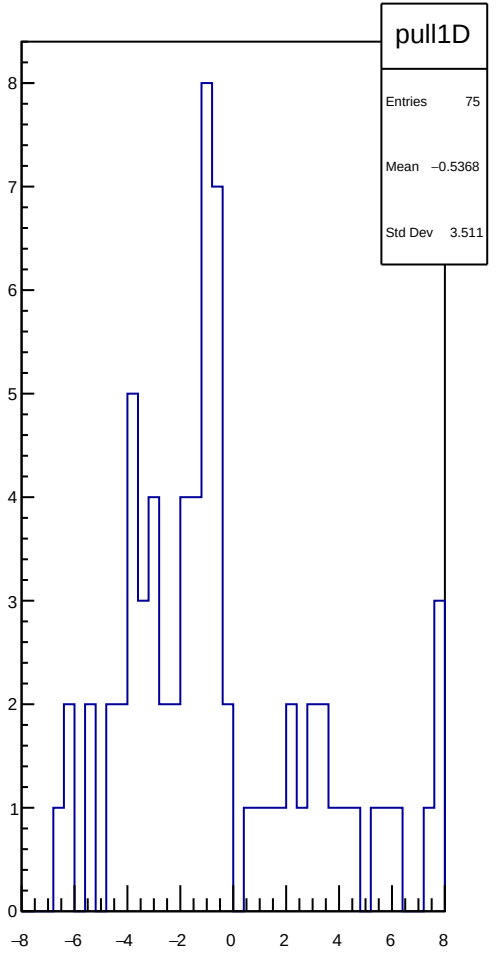

asym_bpm2i02WS_rms vs run
χ² / ndf 6522 / 74
p0 196.4 ± 0.1618
250
240
230
220
210
200
190
180
170
160

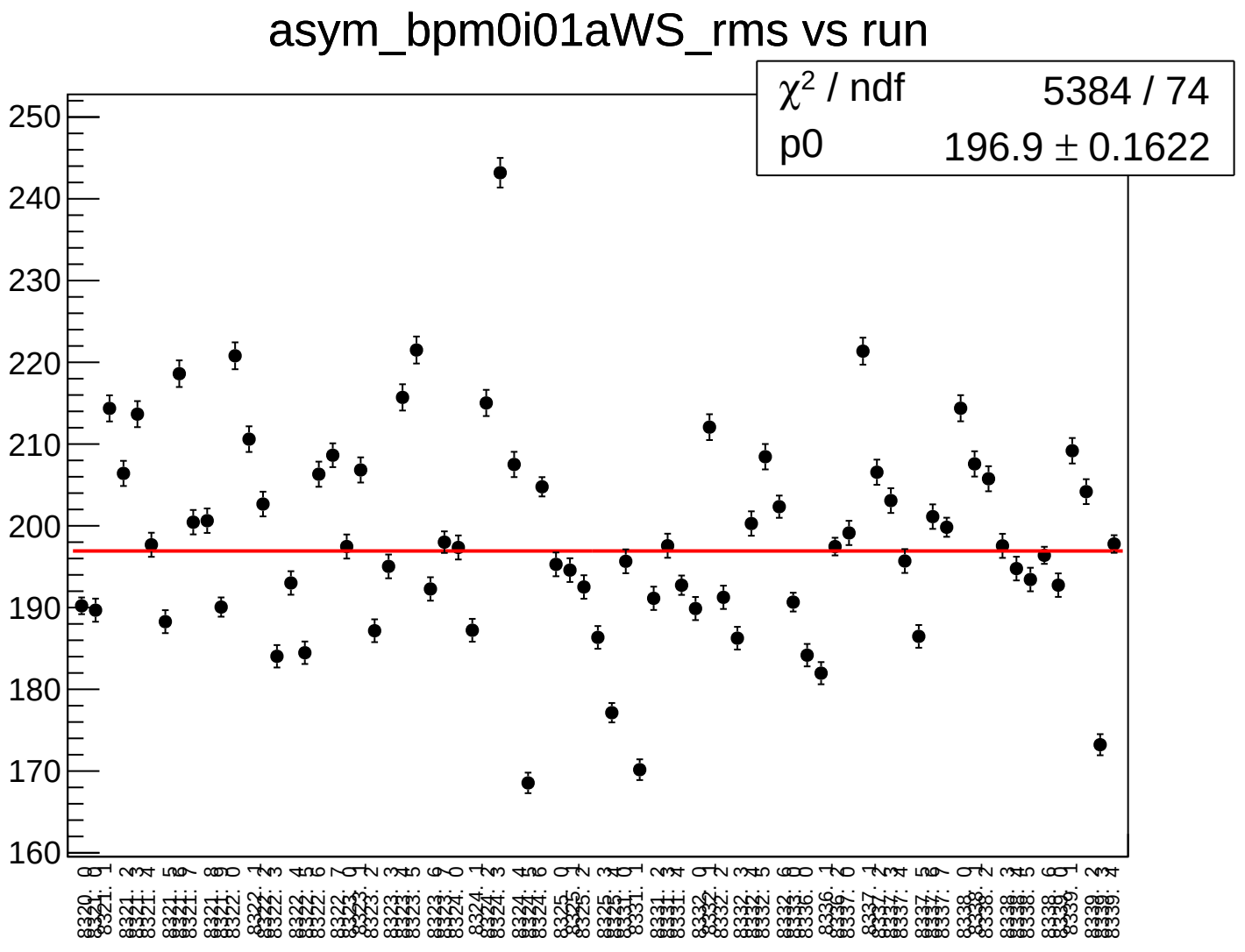

asym_bpm0i01WS_mean vs run
χ² / ndf 909.6 / 74
p0 −3509 ± 257.3
pull
Entries 75
Mean −3077
Std Dev 0

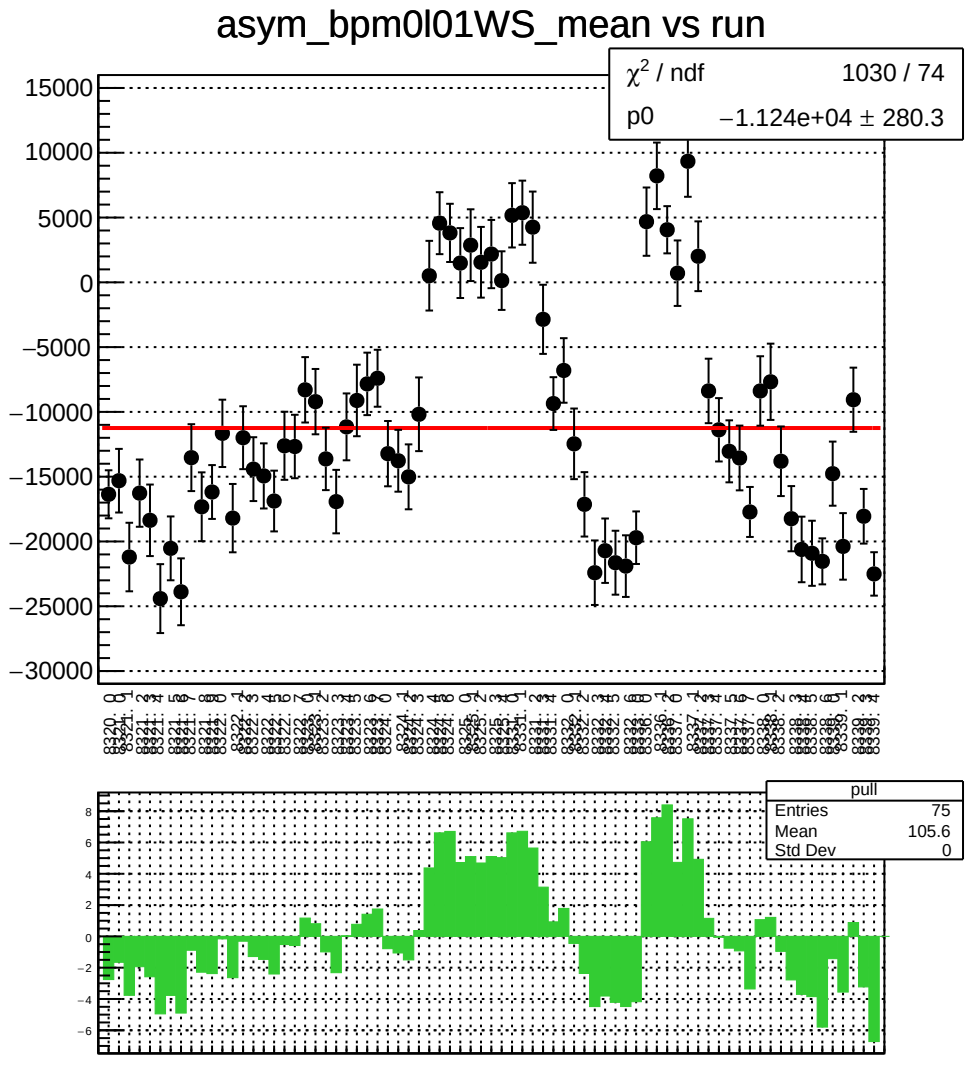

pull1D
Entries 75
Mean −0.3594
Std Dev 3.082

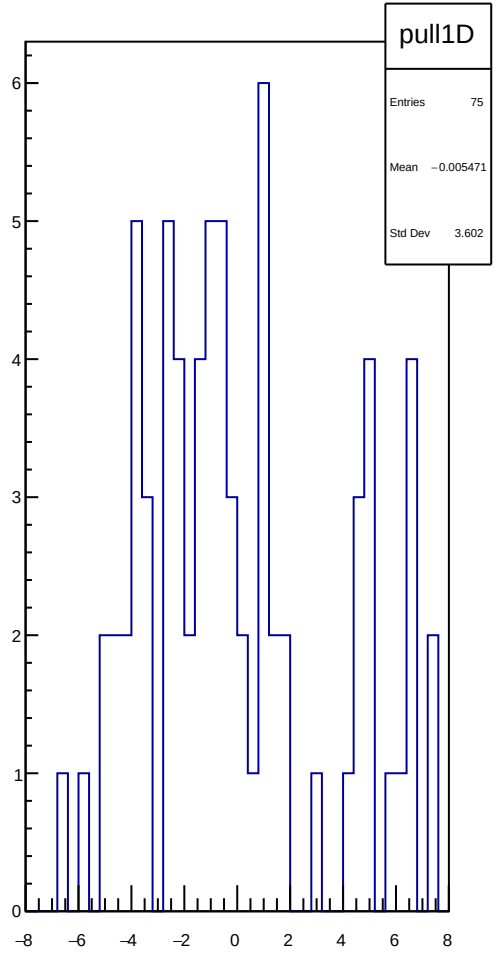

asym_bpm0i01WS_rms vs run
χ² / ndf 5305 / 74
p0 220.9 ± 0.1819
280
260
240
220
200
180

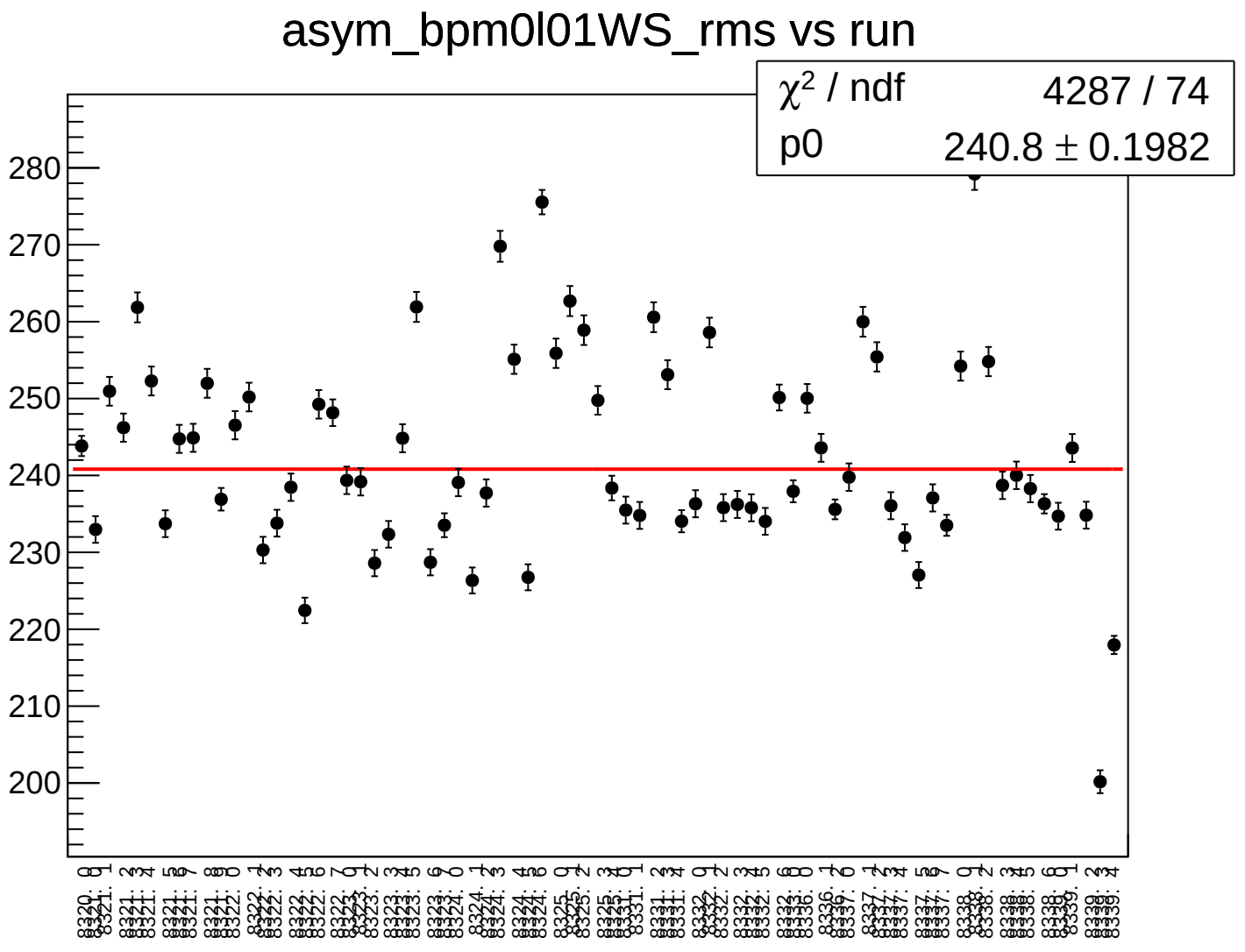

asym_bpm0i01aWS_mean vs run
χ² / ndf 1262 / 74
p0 −4241 ± 229.3
pull
Entries 75
Mean 9342
Std Dev 0

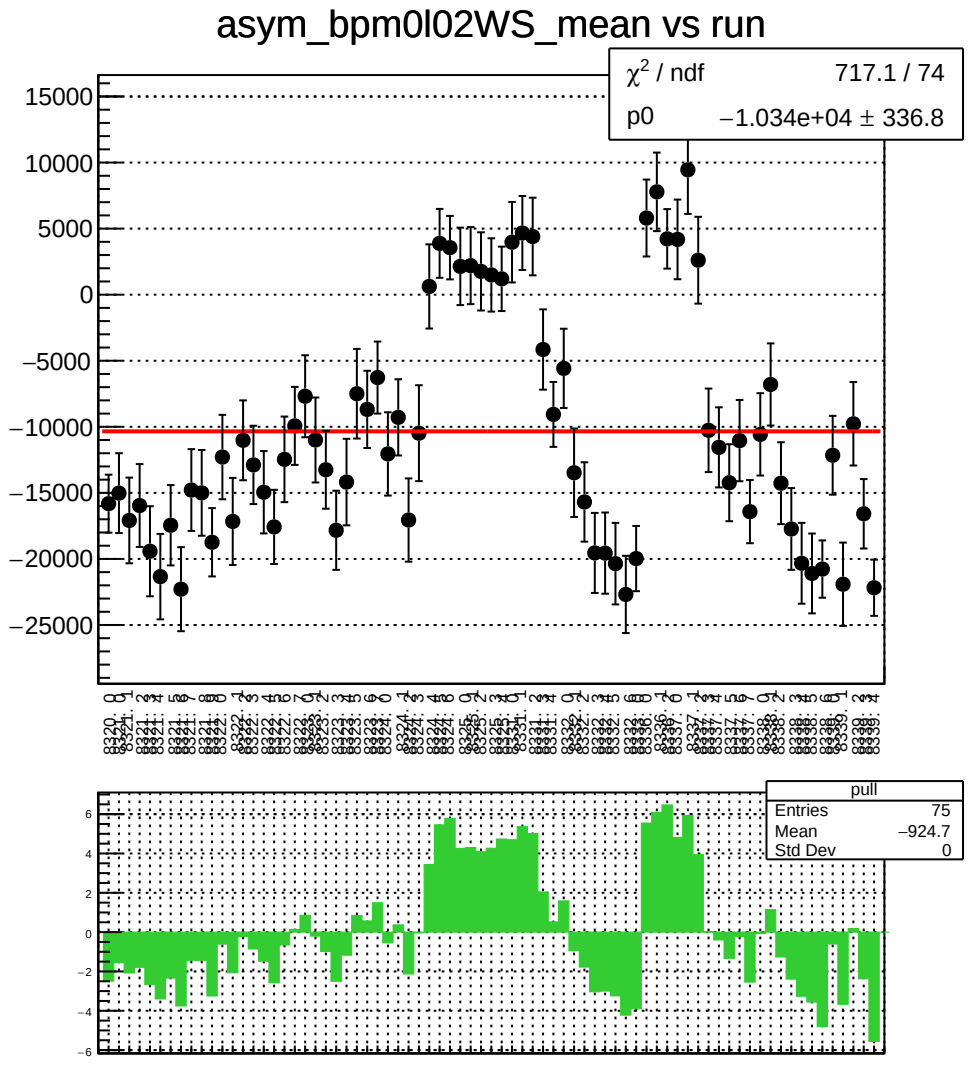

pull1D
Entries 75
Mean −0.5368
Std Dev 3.511

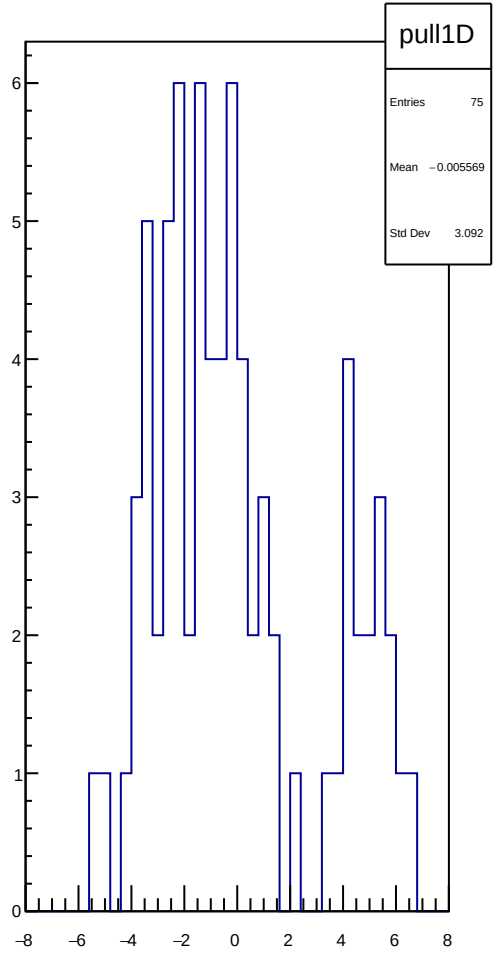

asym_bpm0i01aWS_rms vs run
χ² / ndf 5384 / 74
p0 196.9 ± 0.1622
250
240
230
220
210
200
190
180
170
160

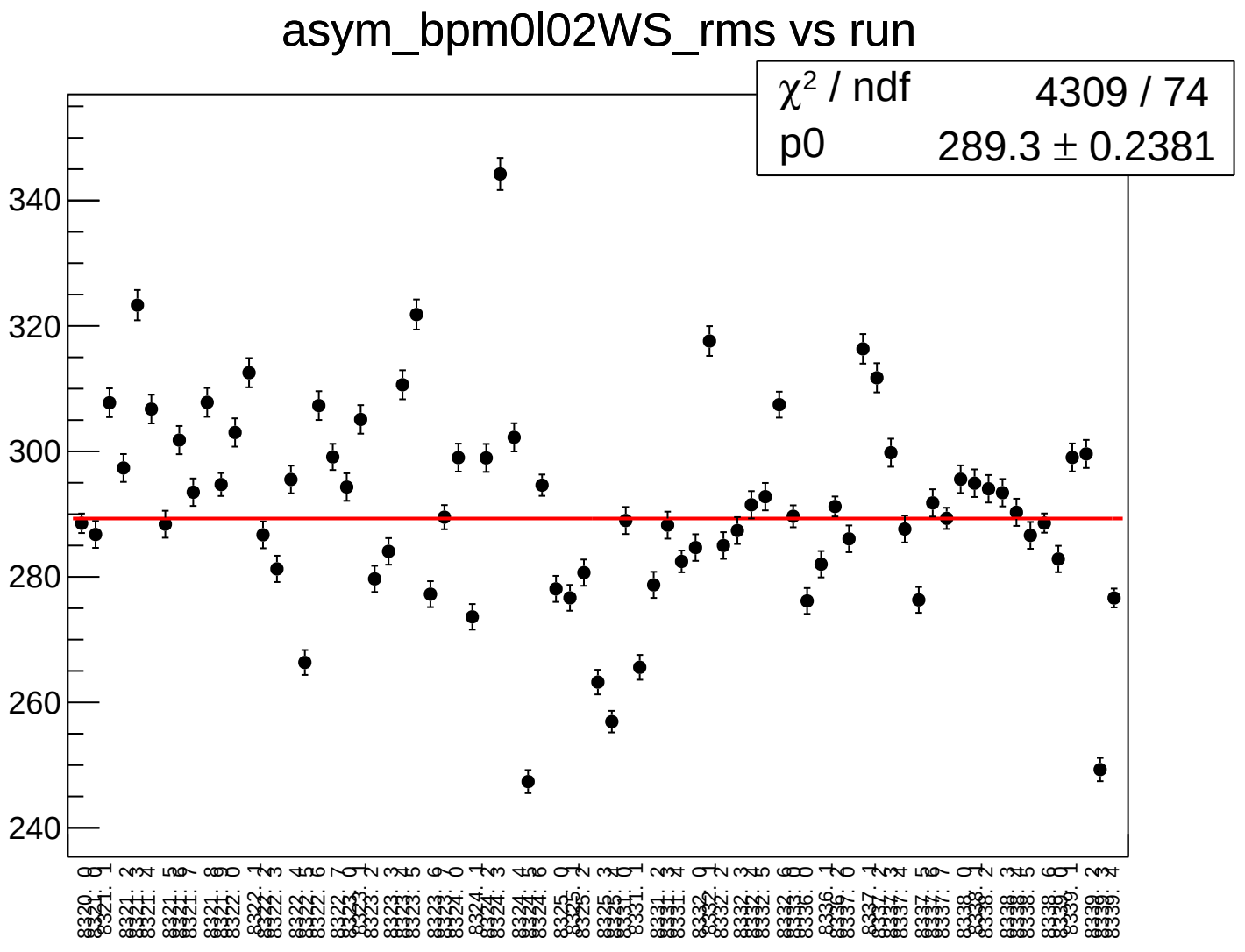

asym_bpm0l01WS_mean vs run
χ² / ndf 1030 / 74
p0 −1.124e+04 ± 280.3
pull
Entries 75
Mean 105.6
Std Dev 0

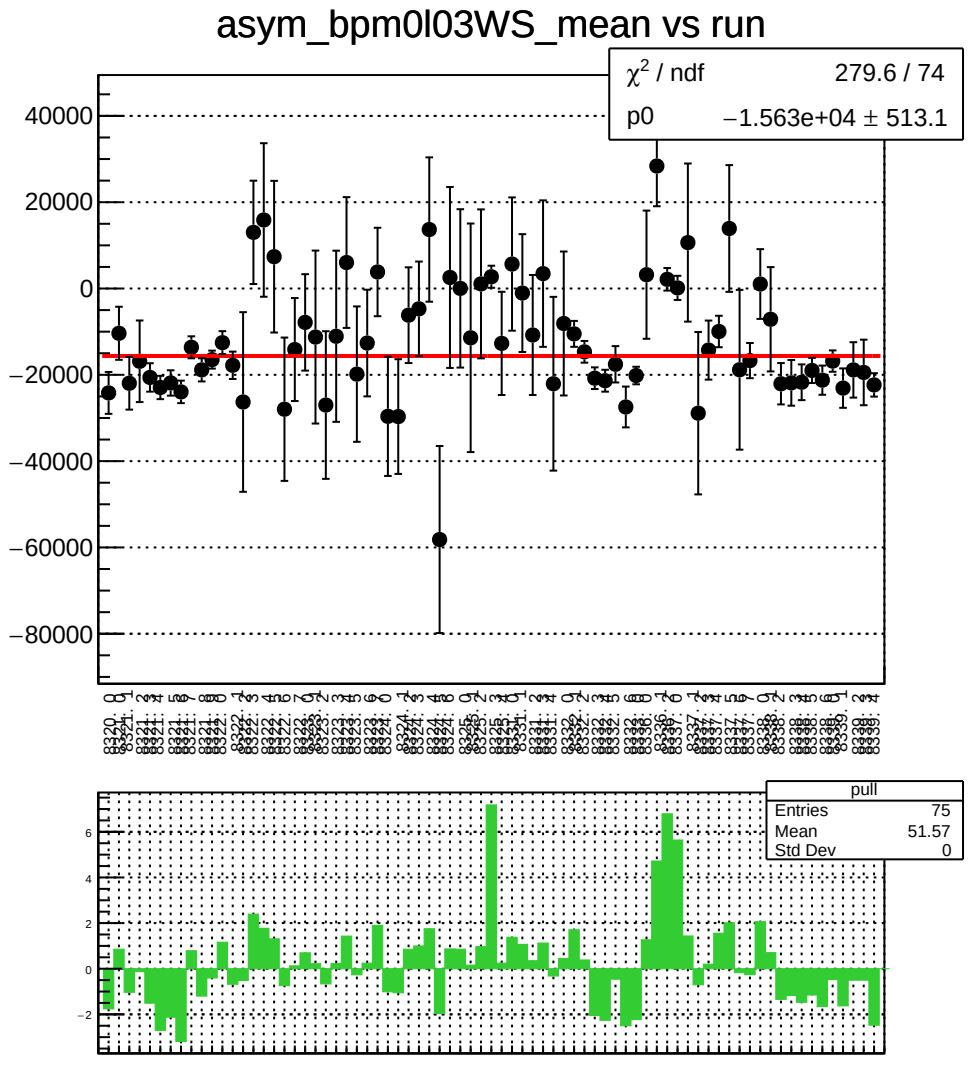

pull1D
Entries 75
Mean −0.005471
Std Dev 3.602

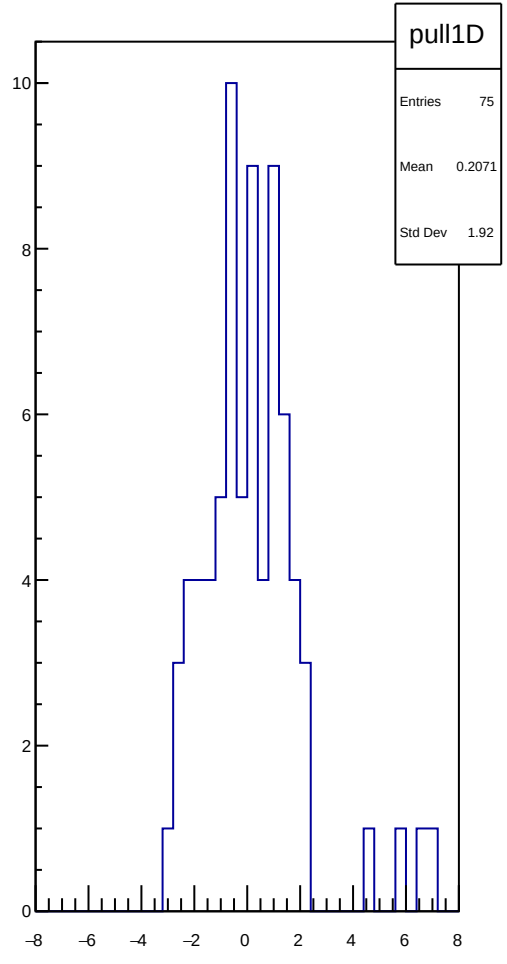

asym_bpm0l01WS_rms vs run
χ² / ndf 4287 / 74
p0 240.8 ± 0.1982
280
270
260
250
240
230
220
210
200

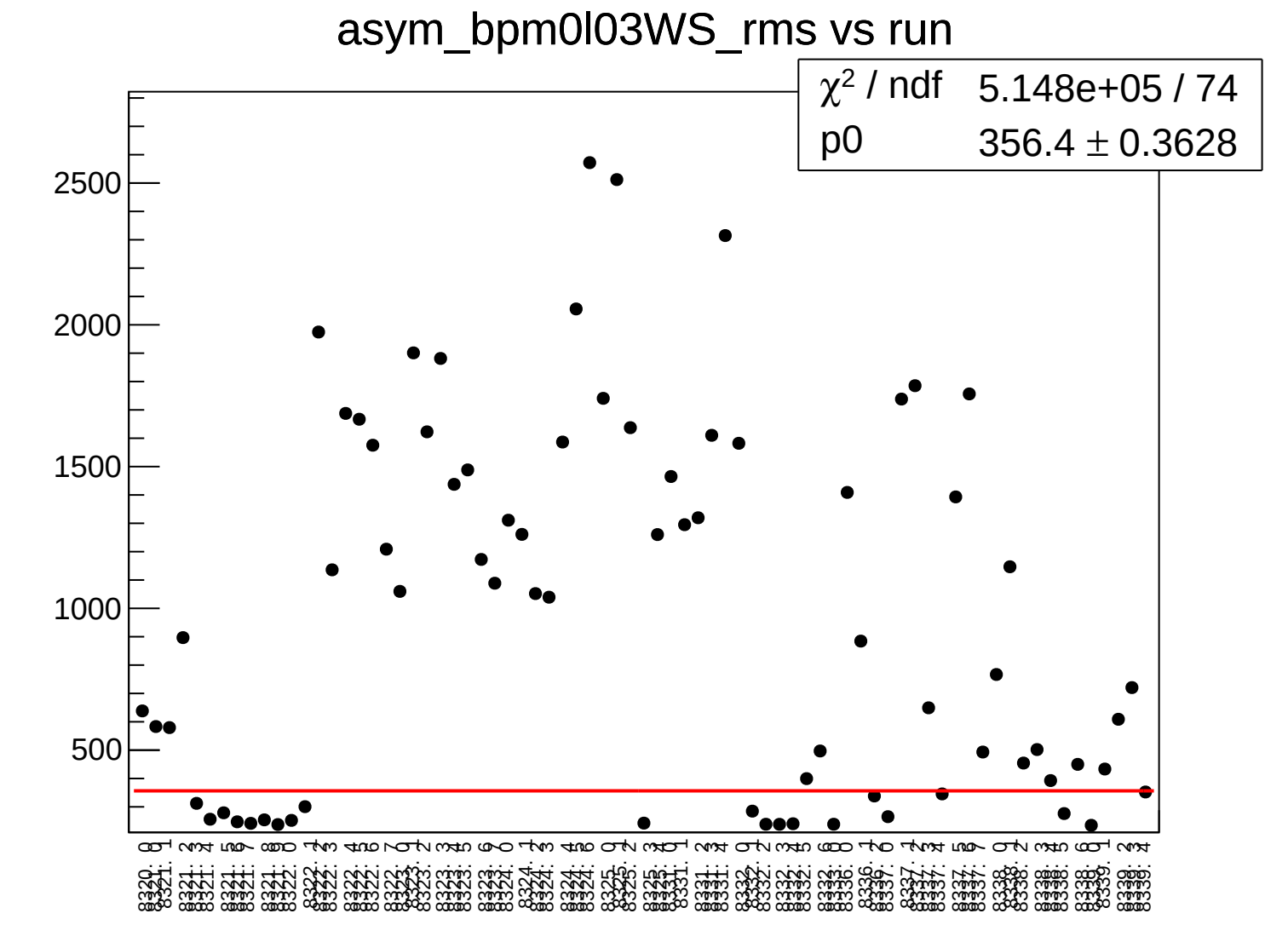

asym_bpm0l02WS_mean vs run
χ² / ndf 717.1 / 74
p0 −1.034e+04 ± 336.8
pull
Entries 75
Mean −924.7
Std Dev 0

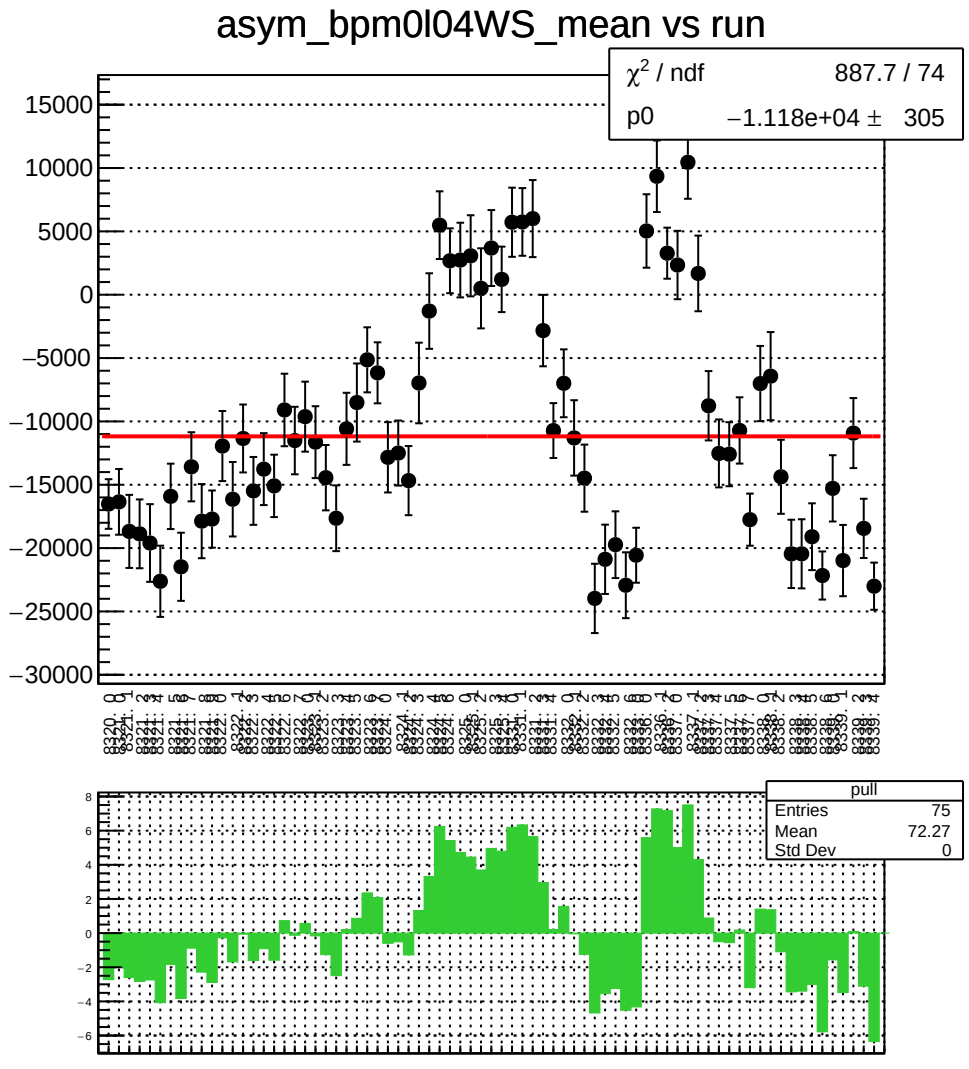

pull1D
Entries 75
Mean −0.005569
Std Dev 3.092

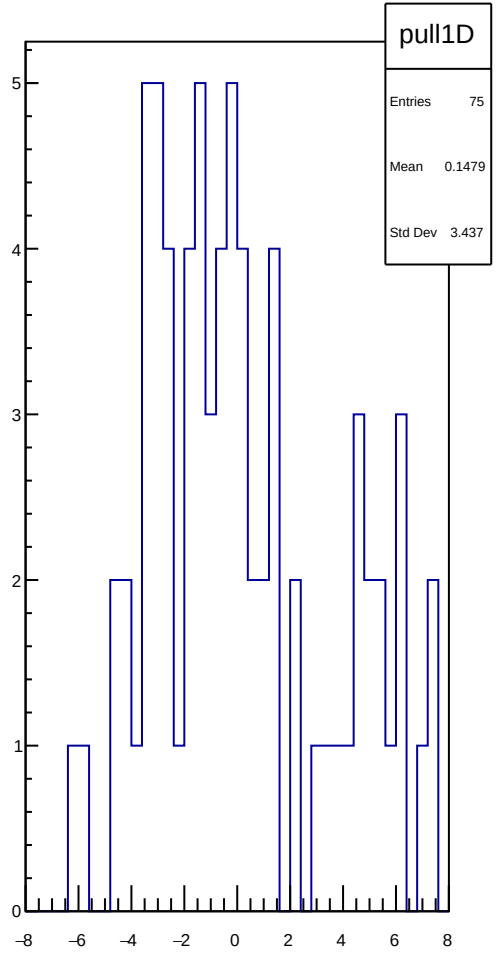

asym_bpm0l02WS_rms vs run
χ² / ndf 4309 / 74
p0 289.3 ± 0.2381
340
320
300
280
260
240

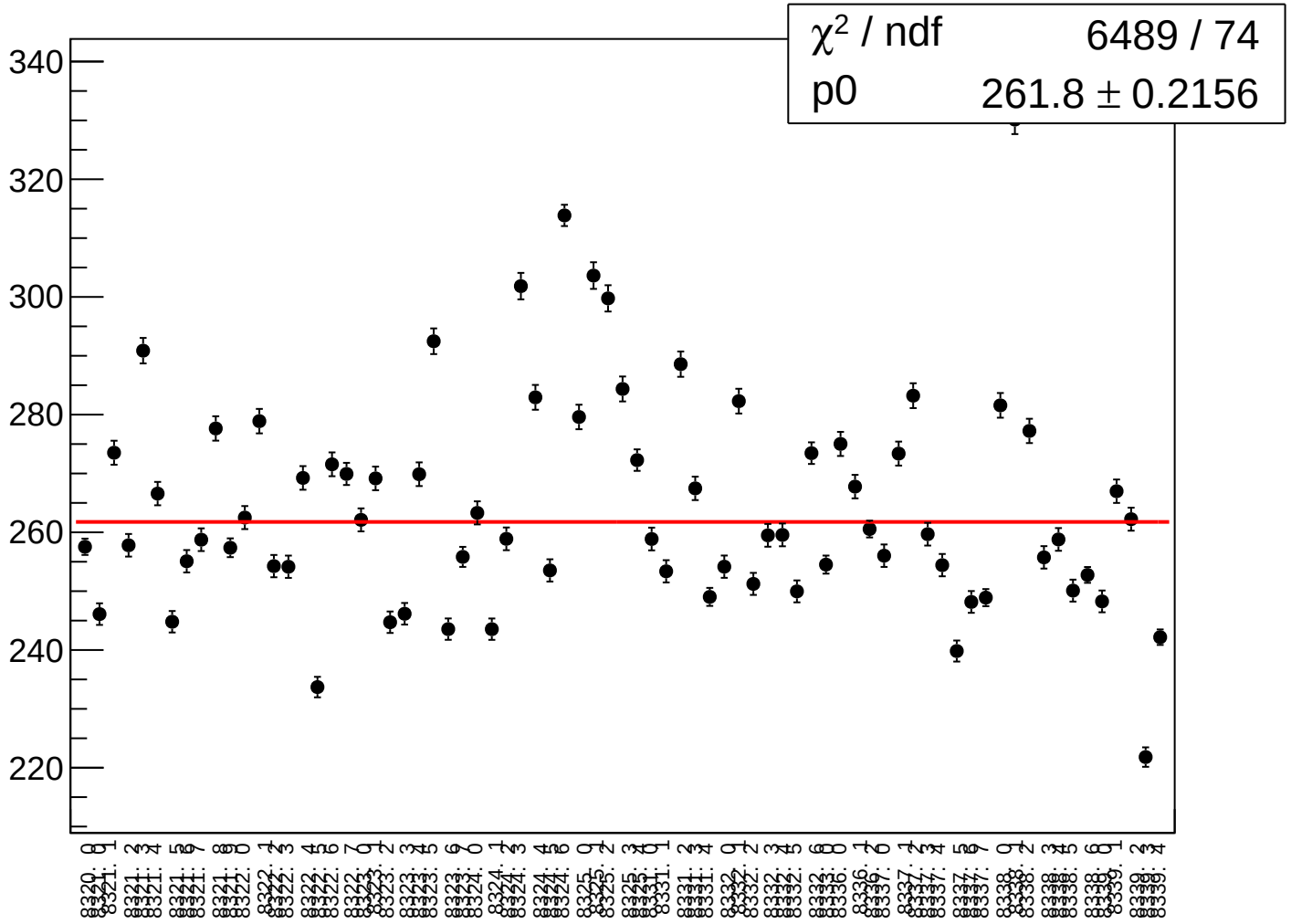

asym_bpm0l03WS_mean vs run
χ² / ndf 279.6 / 74
p0 −1.563e+04 ± 513.1
pull
Entries 75
Mean 51.57
Std Dev 0

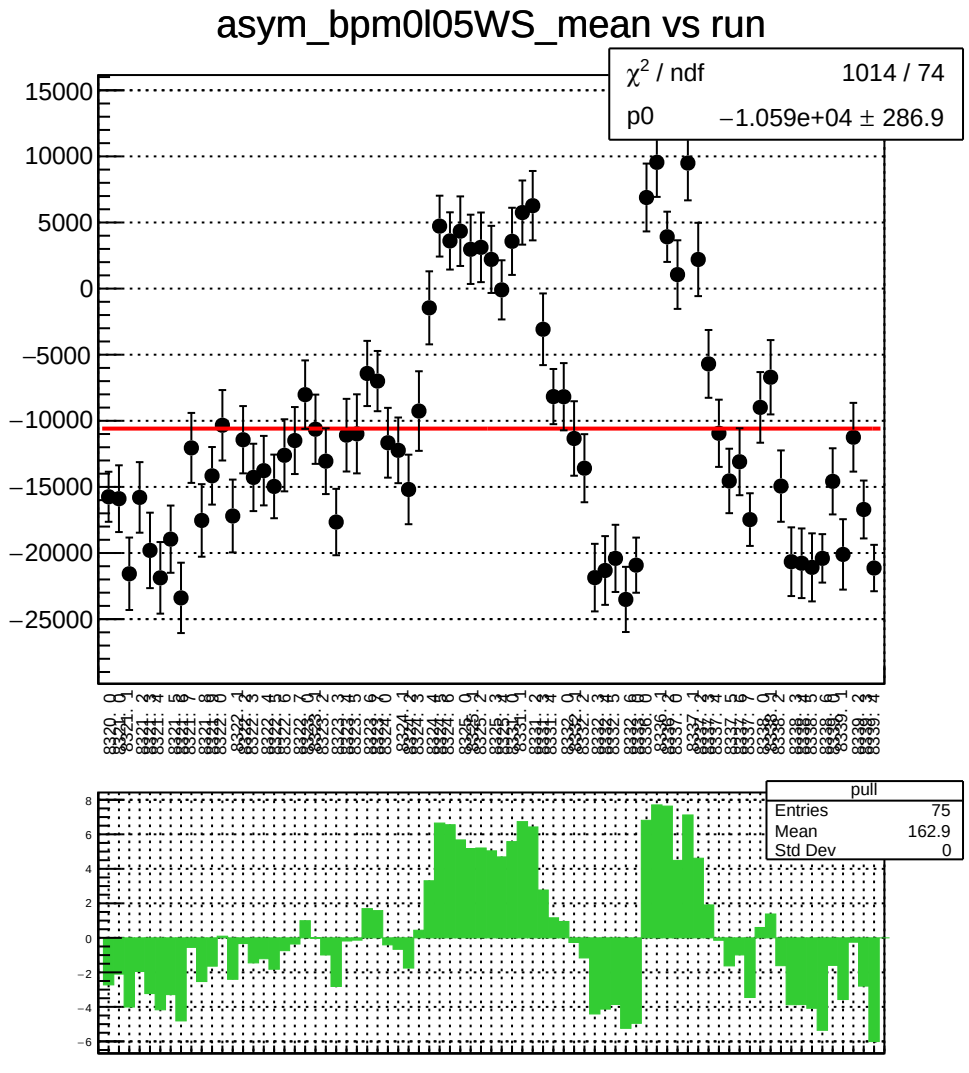

pull1D
Entries 75
Mean 0.2071
Std Dev 1.92

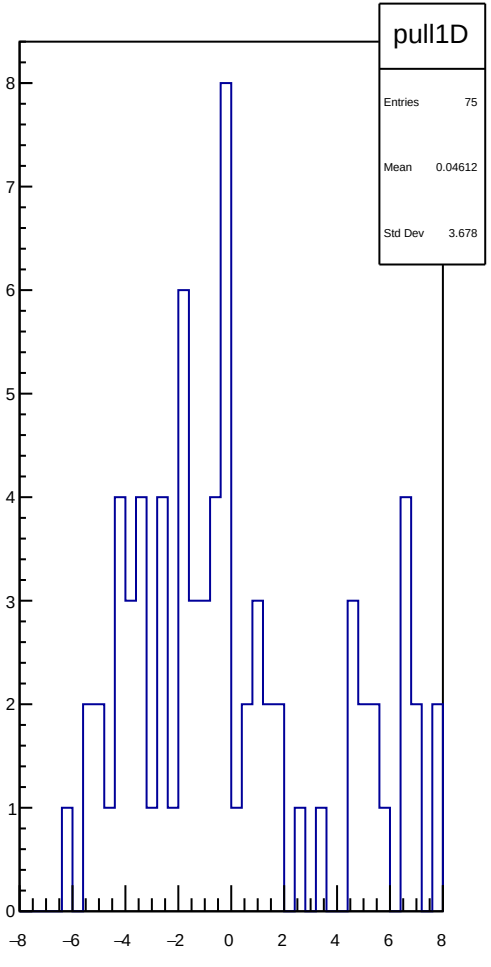

asym_bpm0l03WS_rms vs run
χ² / ndf 5.148e+05 / 74
p0 356.4 ± 0.3628
2500
2000
1500
1000
500

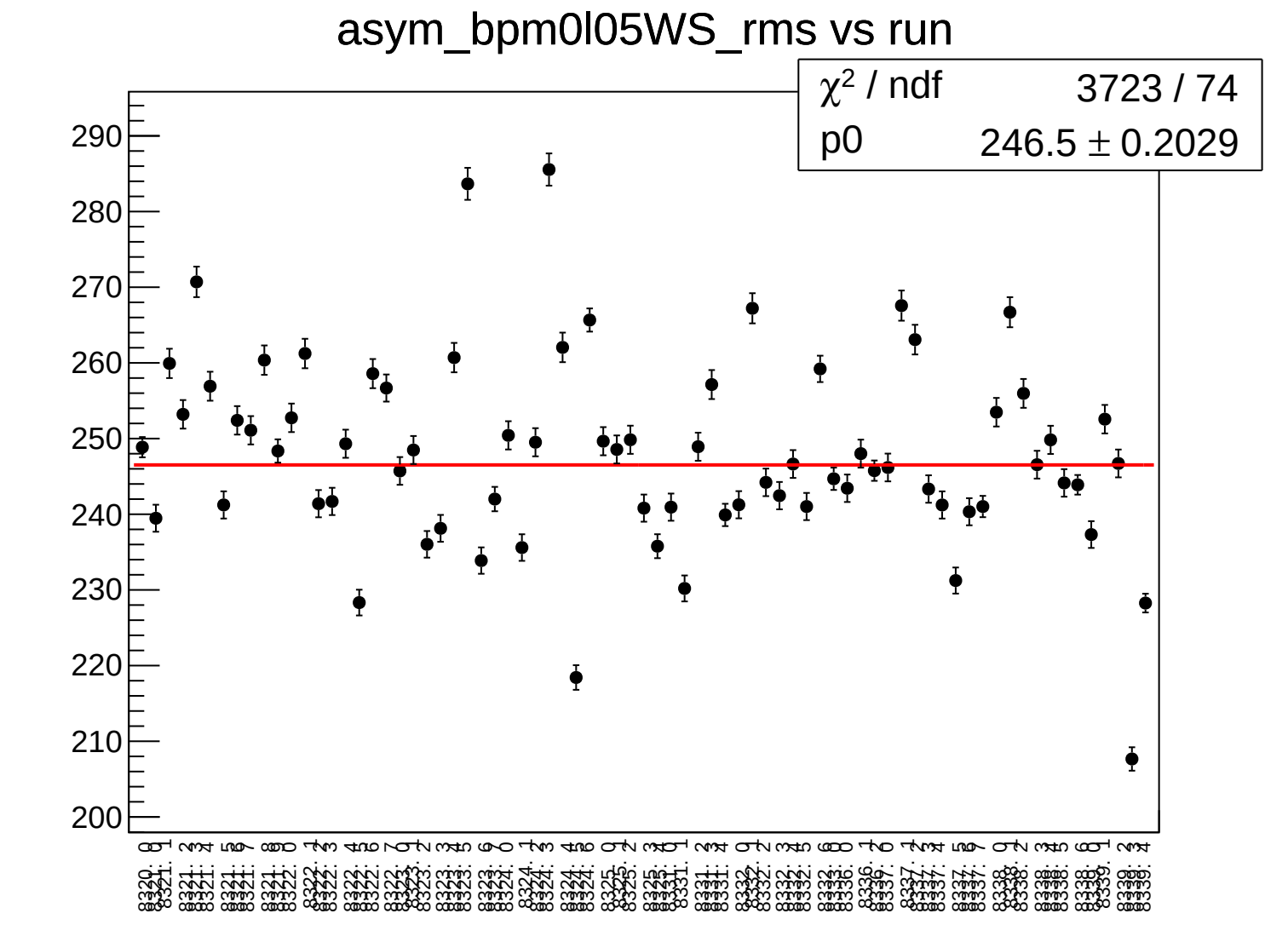

asym_bpm0l04WS_mean vs run
χ² / ndf 887.7 / 74
p0 −1.118e+04 ± 305
pull
Entries 75
Mean 72.27
Std Dev 0

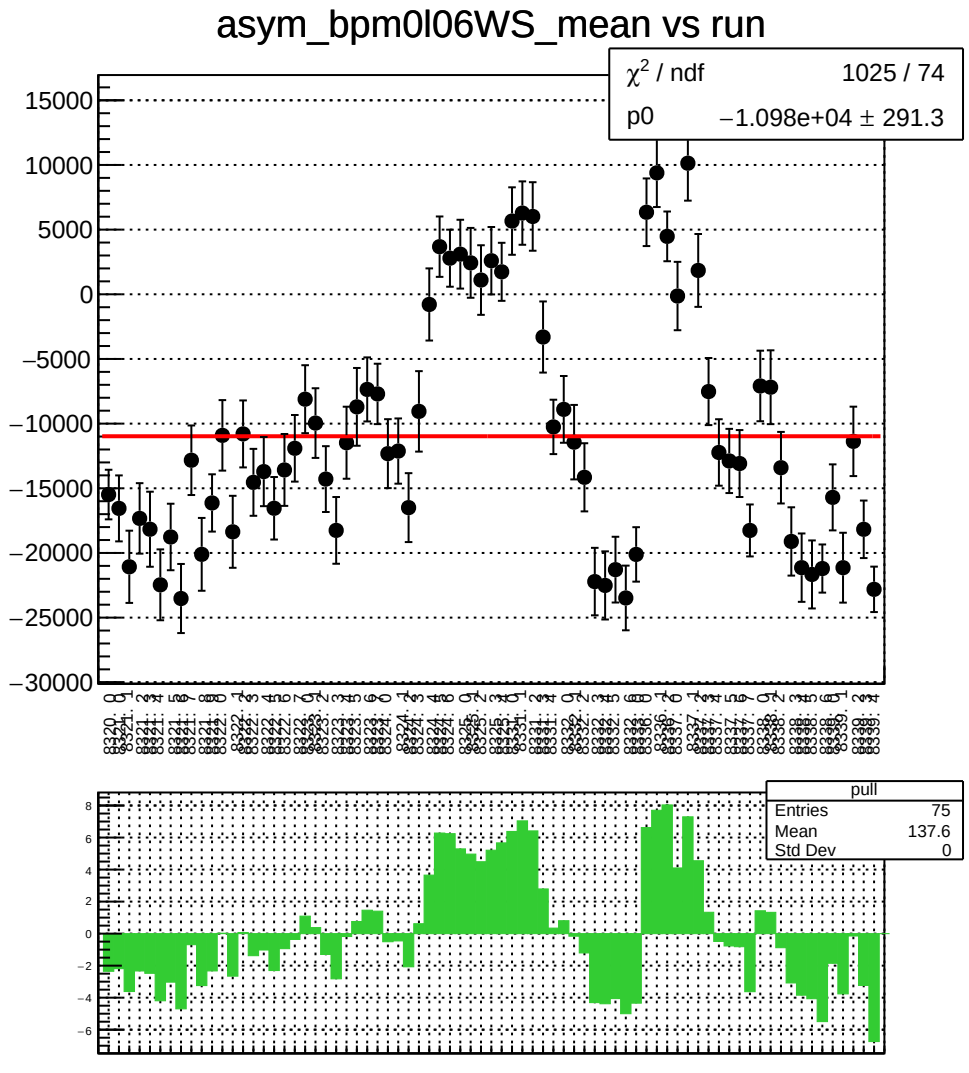

pull1D
Entries 75
Mean 0.1479
Std Dev 3.437

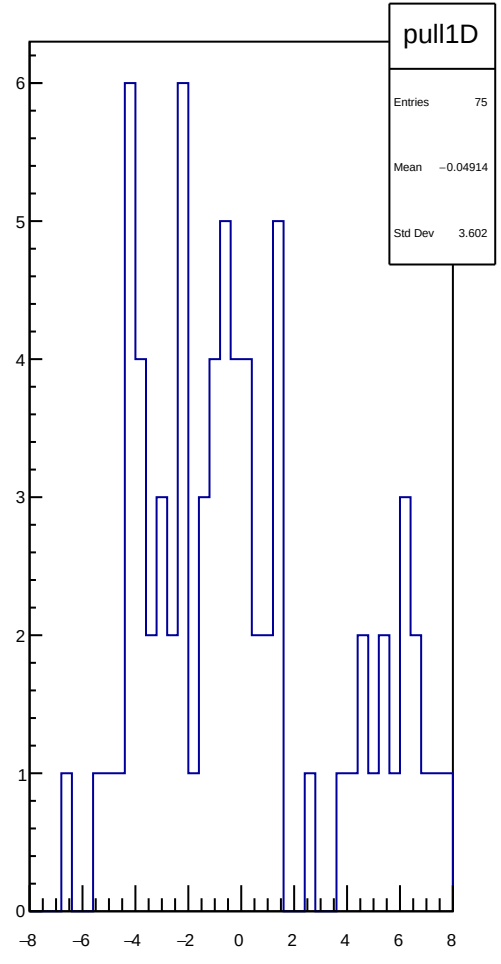

asym_bpm0l04WS_rms vs run
χ² / ndf 6489 / 74
p0 261.8 ± 0.2156
340
320
300
280
260
240
220

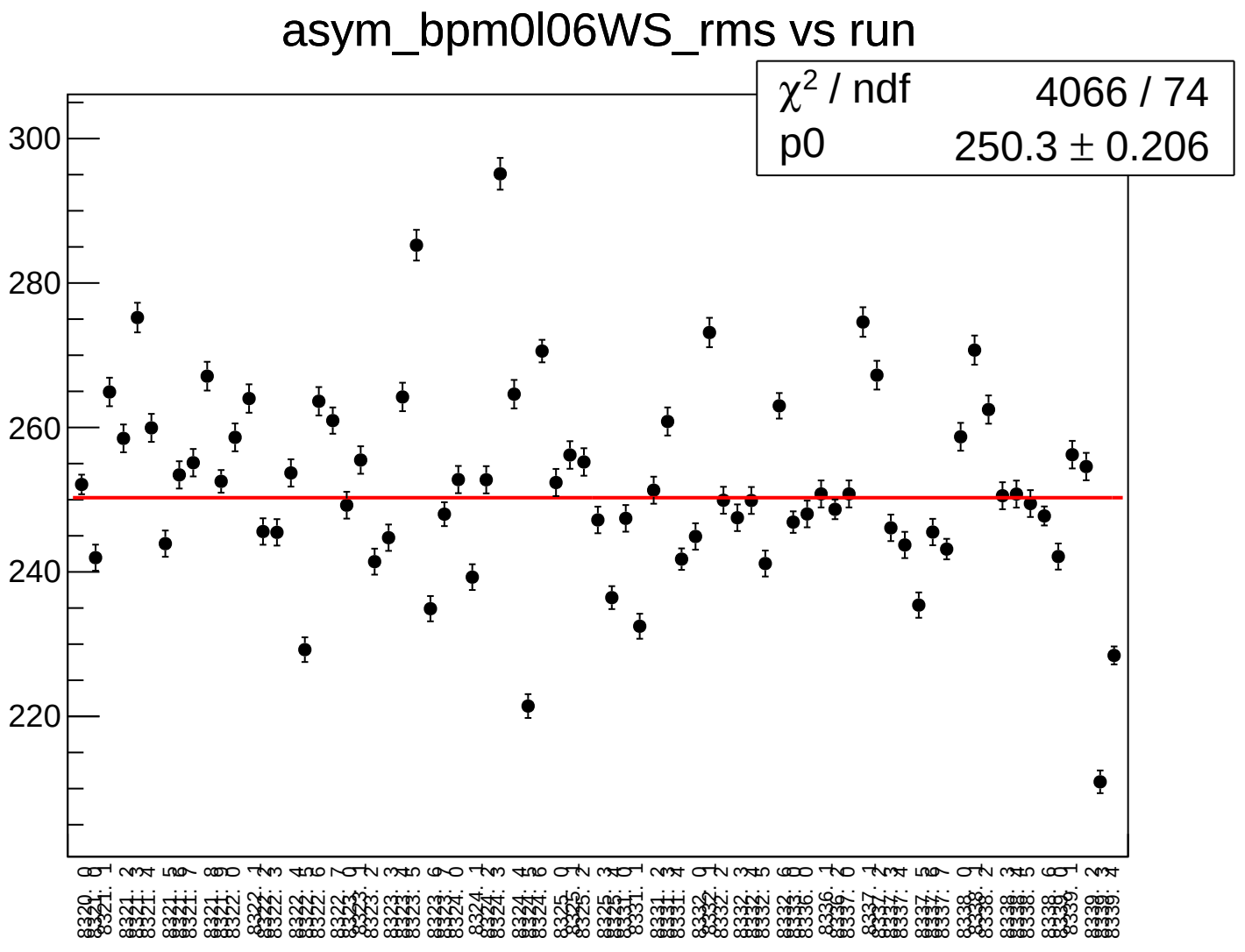

asym_bpm0l05WS_mean vs run
χ² / ndf 1014 / 74
p0 −1.059e+04 ± 286.9
pull
Entries 75
Mean 162.9
Std Dev 0

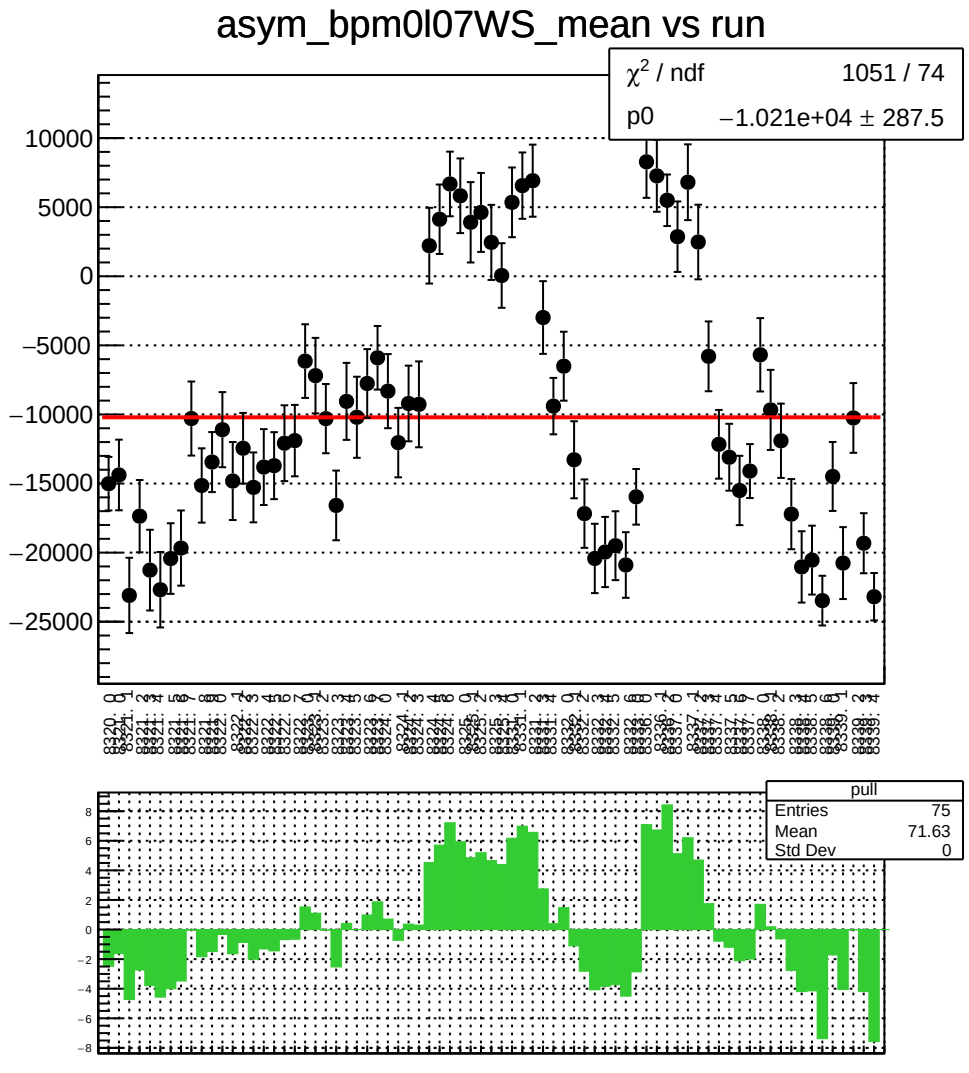

pull1D
Entries 75
Mean 0.04612
Std Dev 3.678

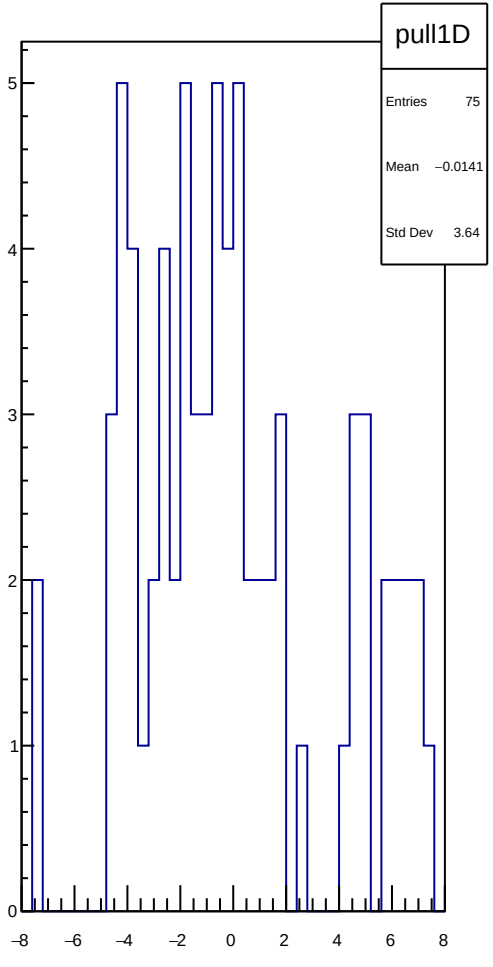

asym_bpm0l05WS_rms vs run
χ² / ndf 3723 / 74
p0 246.5 ± 0.2029
290
280
270
260
250
240
230
220
210
200

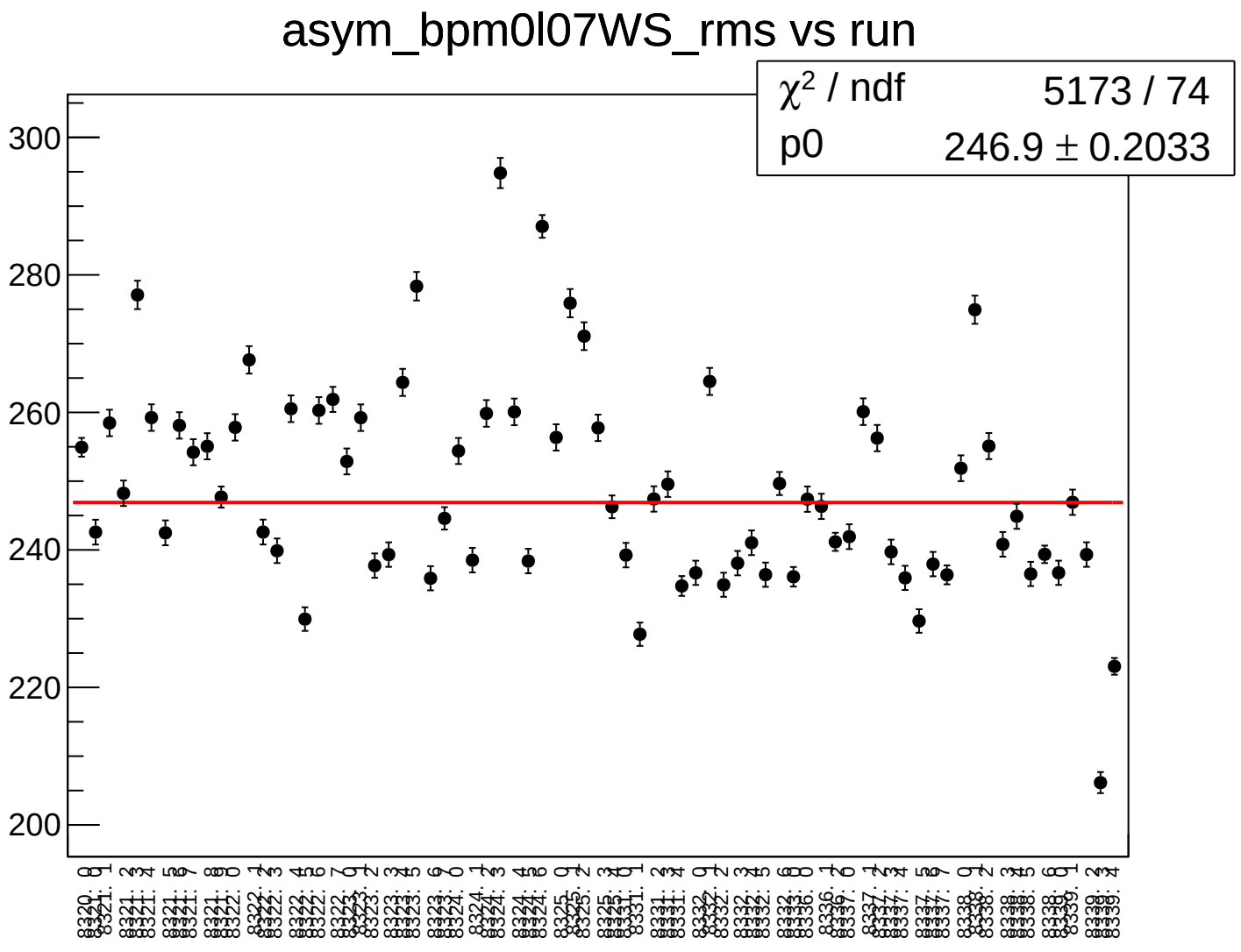

asym_bpm0l06WS_mean vs run
χ² / ndf 1025 / 74
p0 −1.098e+04 ± 291.3
pull
Entries 75
Mean 137.6
Std Dev 0

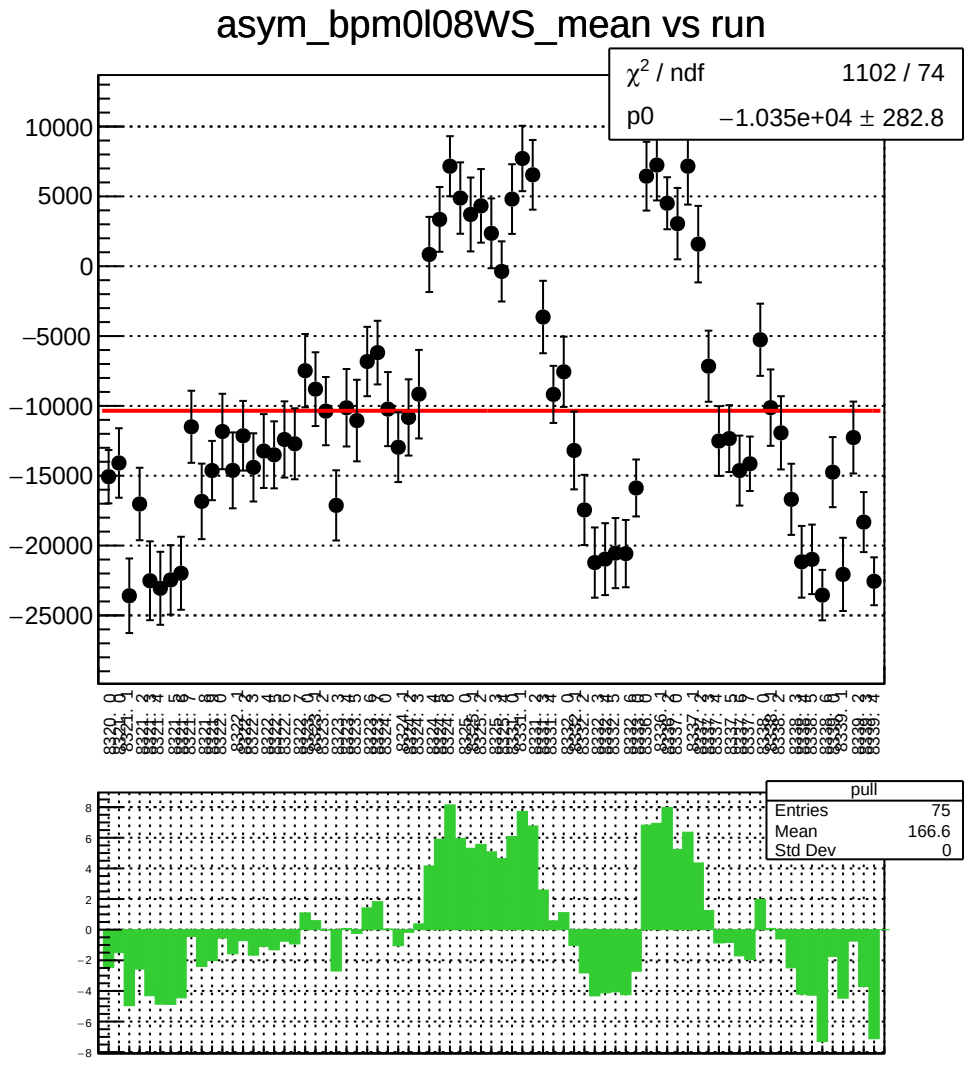

pull1D
Entries 75
Mean −0.04914
Std Dev 3.602

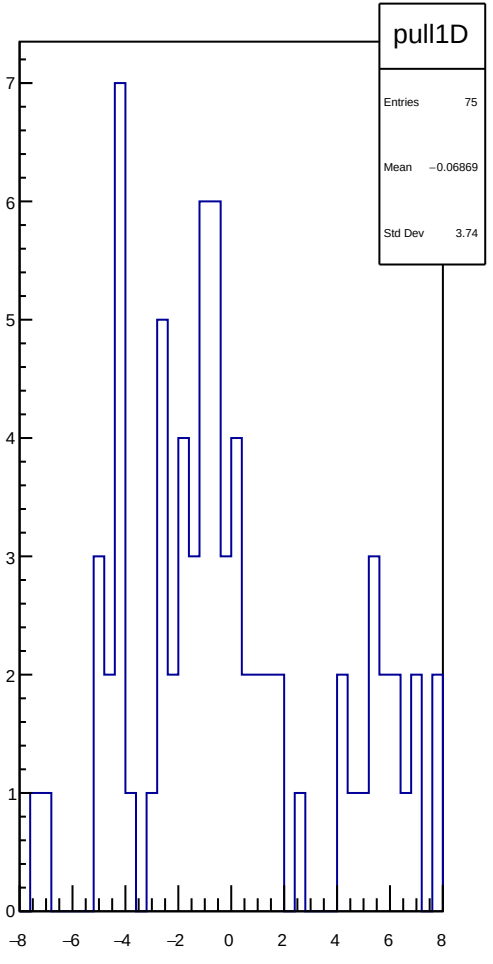

asym_bpm0l06WS_rms vs run
χ² / ndf 4066 / 74
p0 250.3 ± 0.206
300
280
260
240
220

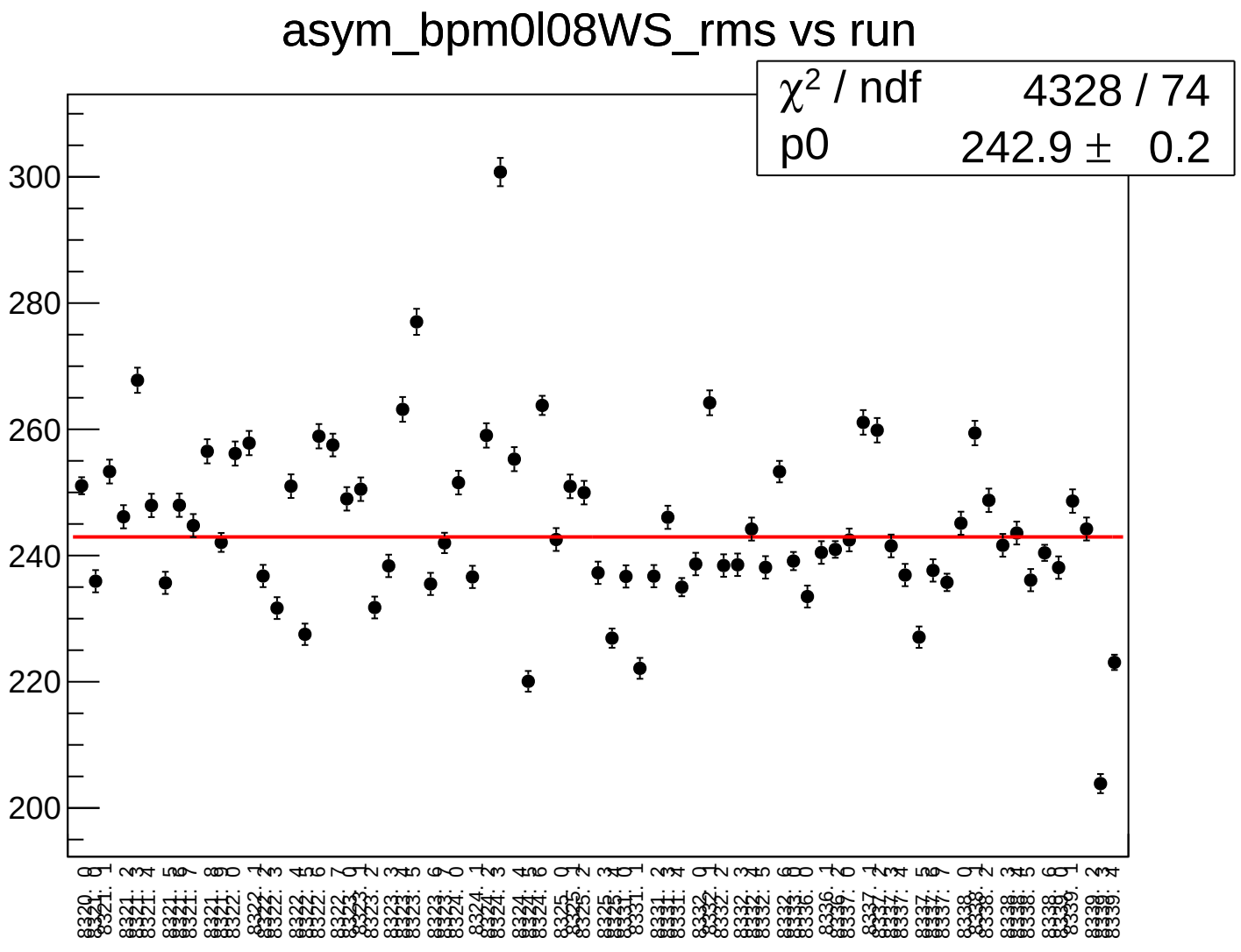

asym_bpm0l07WS_mean vs run
χ² / ndf 1051 / 74
p0 −1.021e+04 ± 287.5
pull
Entries 75
Mean 71.63
Std Dev 0

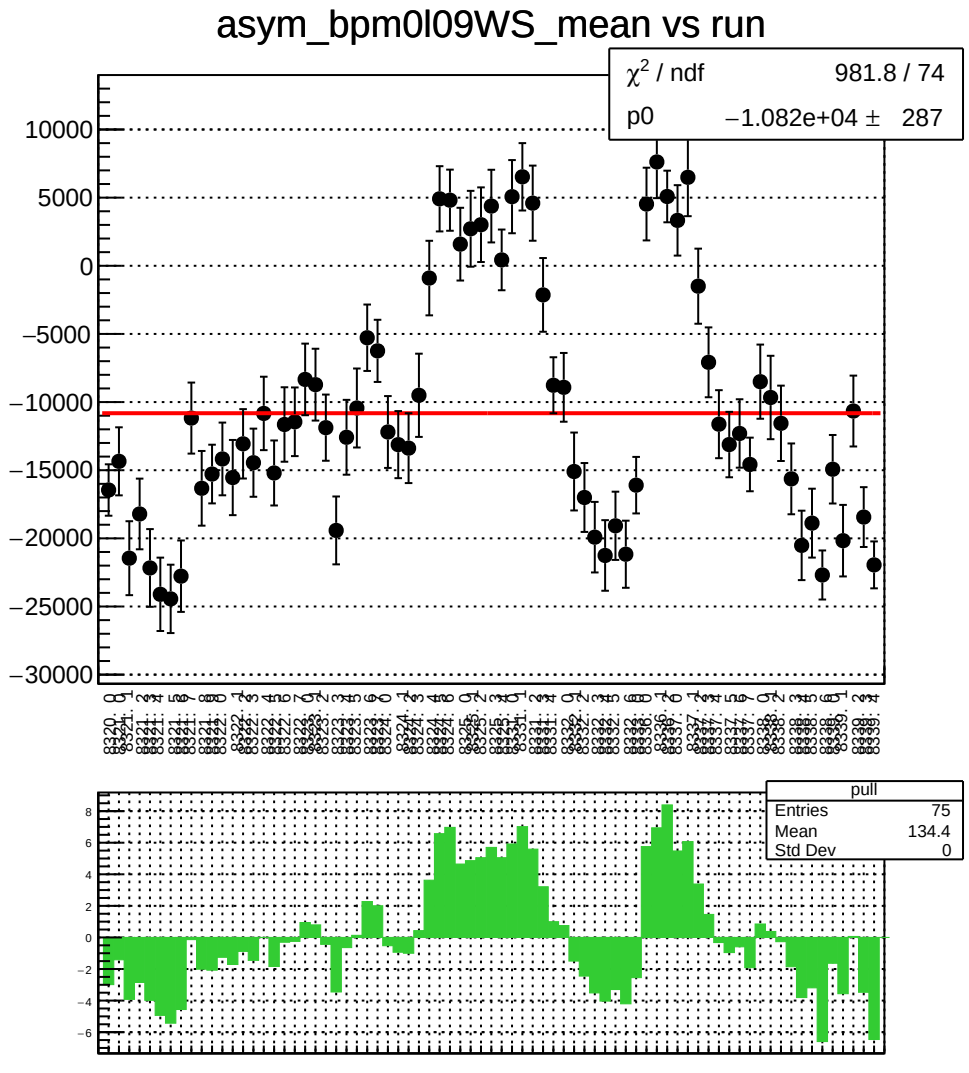

pull1D
Entries 75
Mean −0.0141
Std Dev 3.64

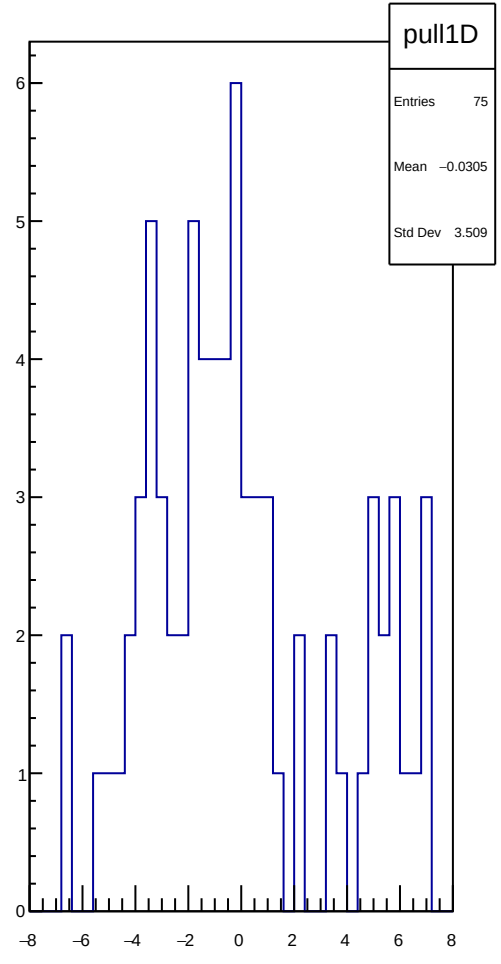

asym_bpm0l07WS_rms vs run
χ² / ndf 5173 / 74
p0 246.9 ± 0.2033
300
280
260
240
220
200

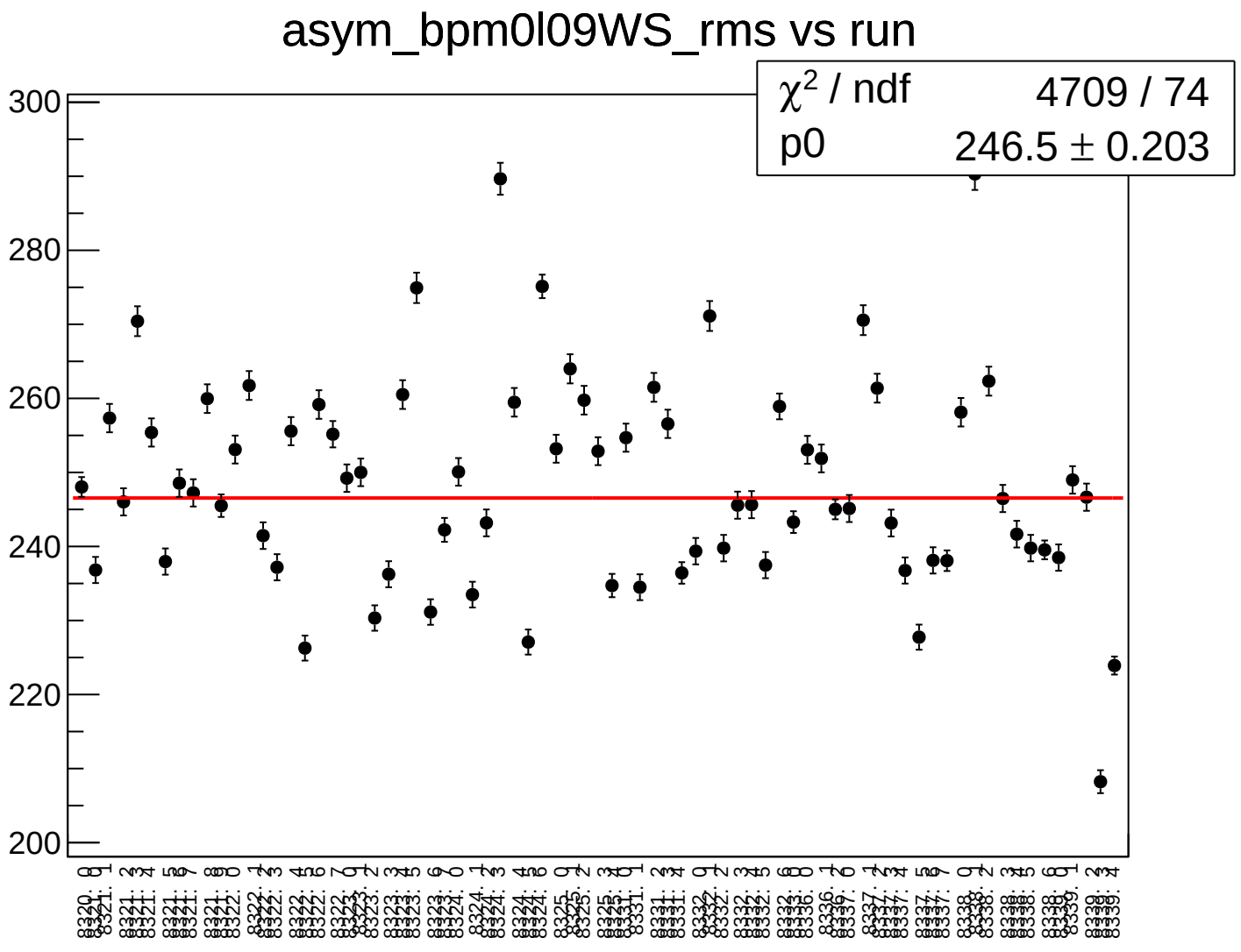

asym_bpm0l08WS_mean vs run
χ² / ndf 1102 / 74
p0 −1.035e+04 ± 282.8
pull
Entries 75
Mean 166.6
Std Dev 0

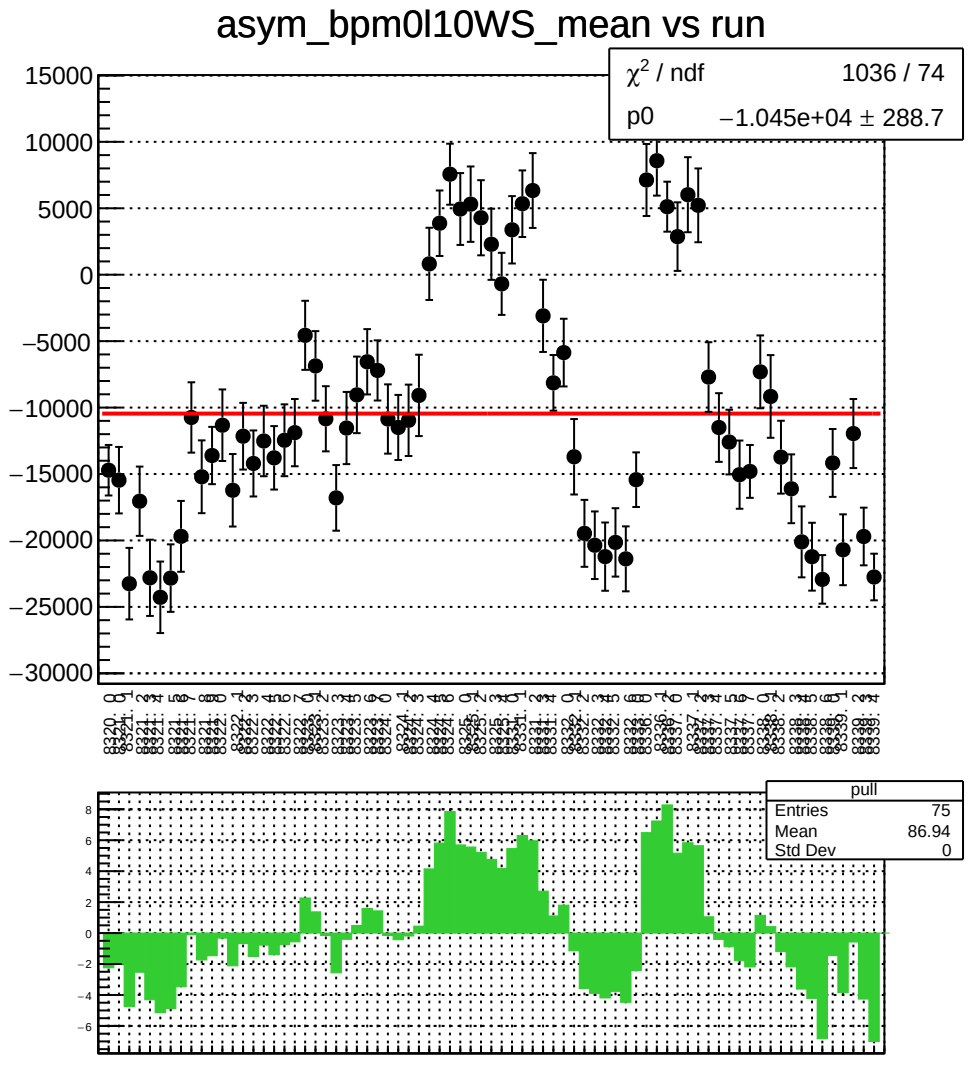

pull1D
Entries 75
Mean −0.06869
Std Dev 3.74

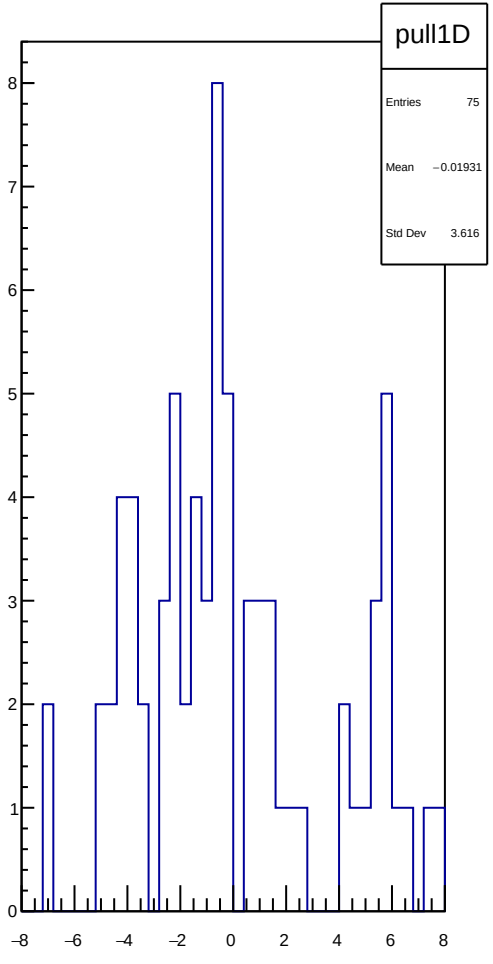

asym_bpm0l08WS_rms vs run
χ² / ndf 4328 / 74
p0 242.9 ± 0.2
300
280
260
240
220
200

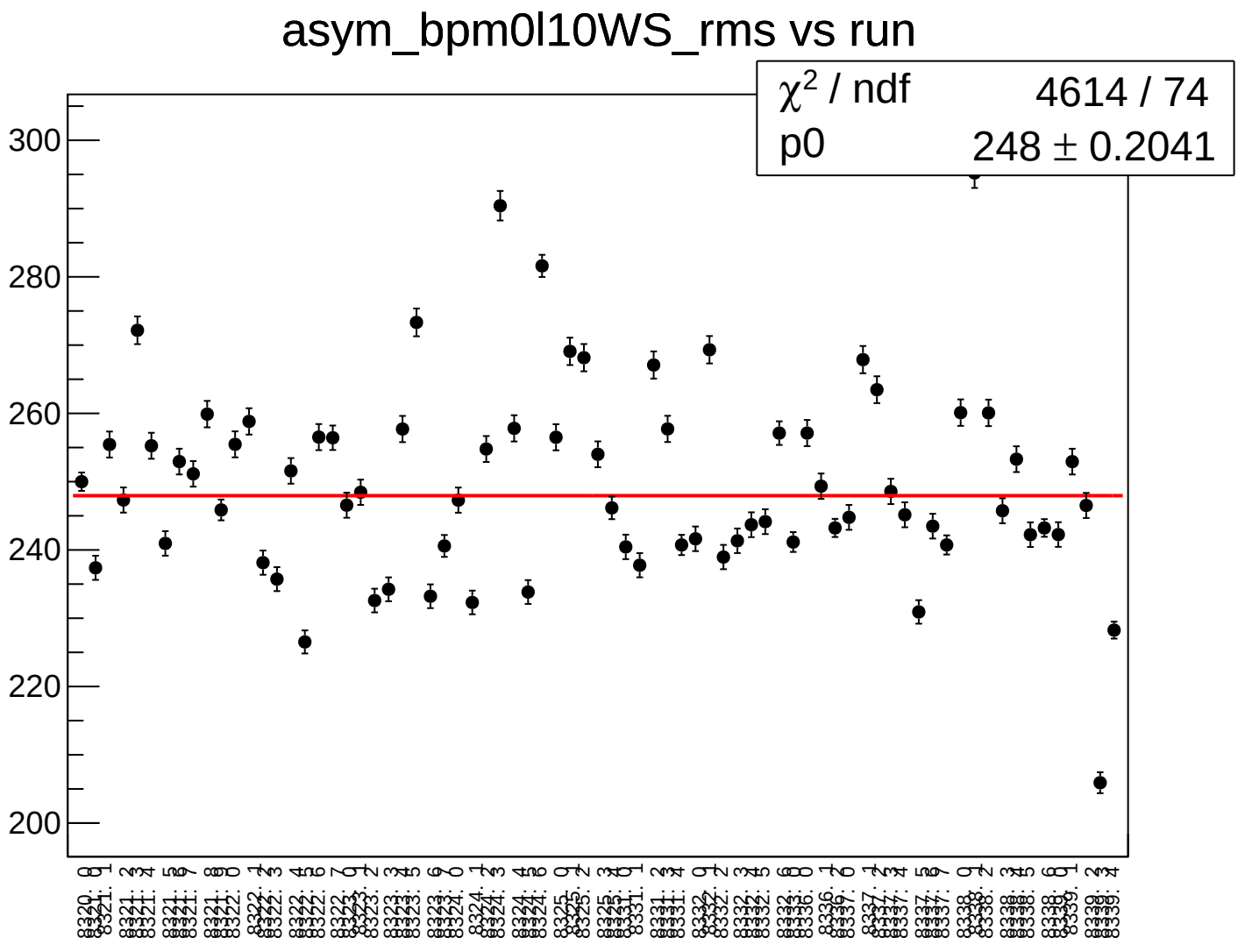

asym_bpm0l09WS_mean vs run
χ² / ndf 981.8 / 74
p0 −1.082e+04 ± 287
pull
Entries 75
Mean 134.4
Std Dev 0

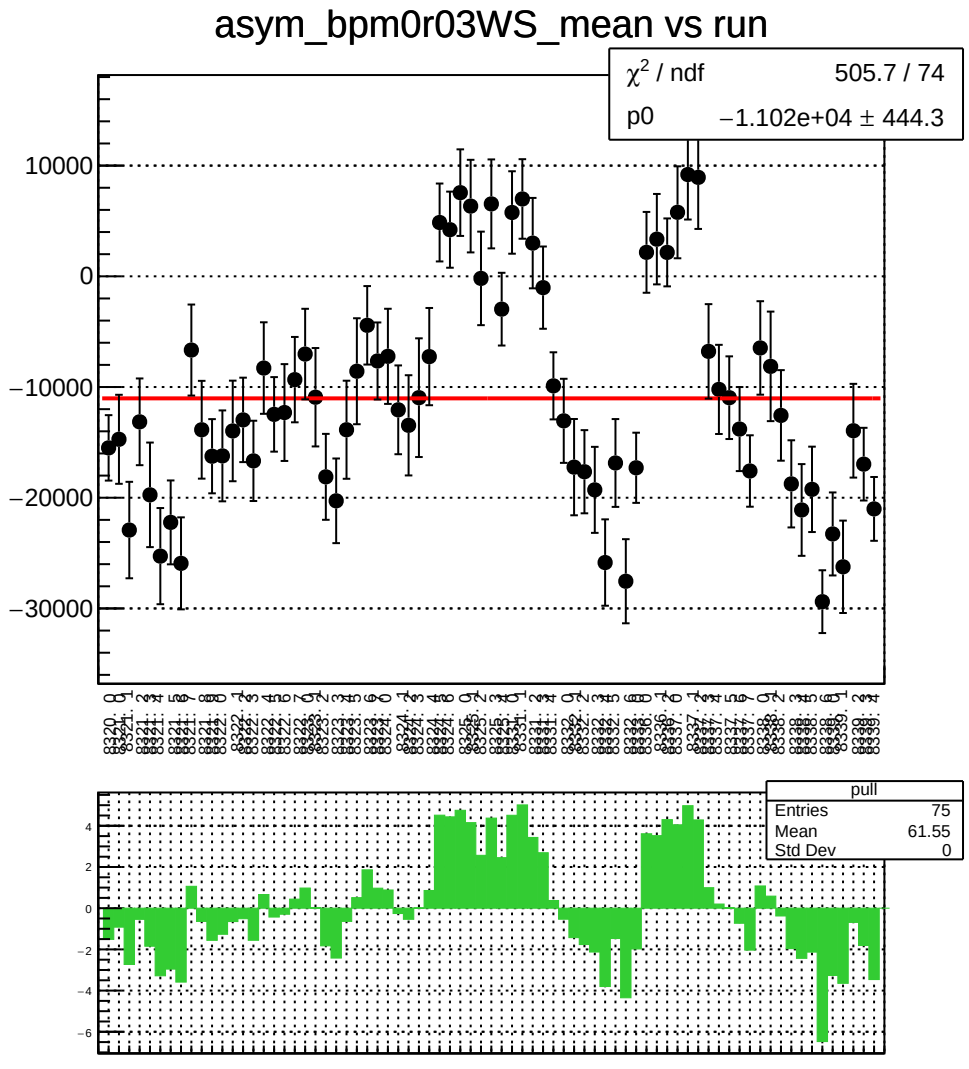

pull1D
Entries 75
Mean −0.0305
Std Dev 3.509

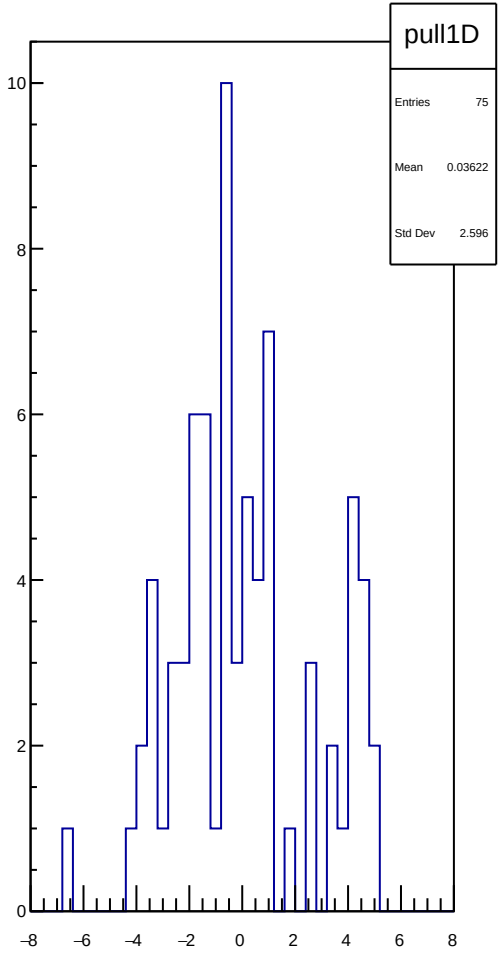

asym_bpm0l09WS_rms vs run
χ² / ndf 4709 / 74
p0 246.5 ± 0.203
300
280
260
240
220
200

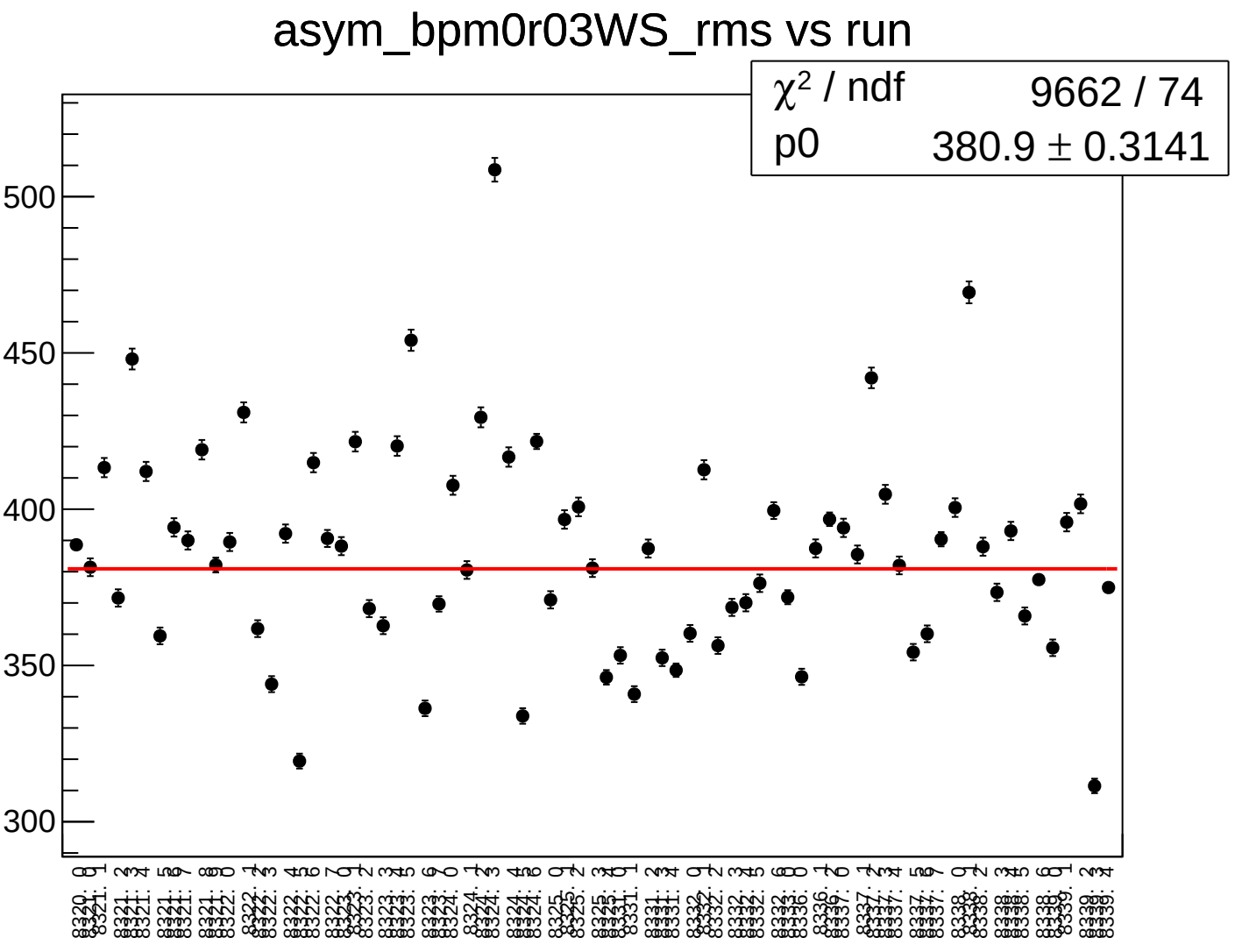

asym_bpm0l10WS_mean vs run
χ² / ndf 1036 / 74
p0 −1.045e+04 ± 288.7
pull
Entries 75
Mean 86.94
Std Dev 0

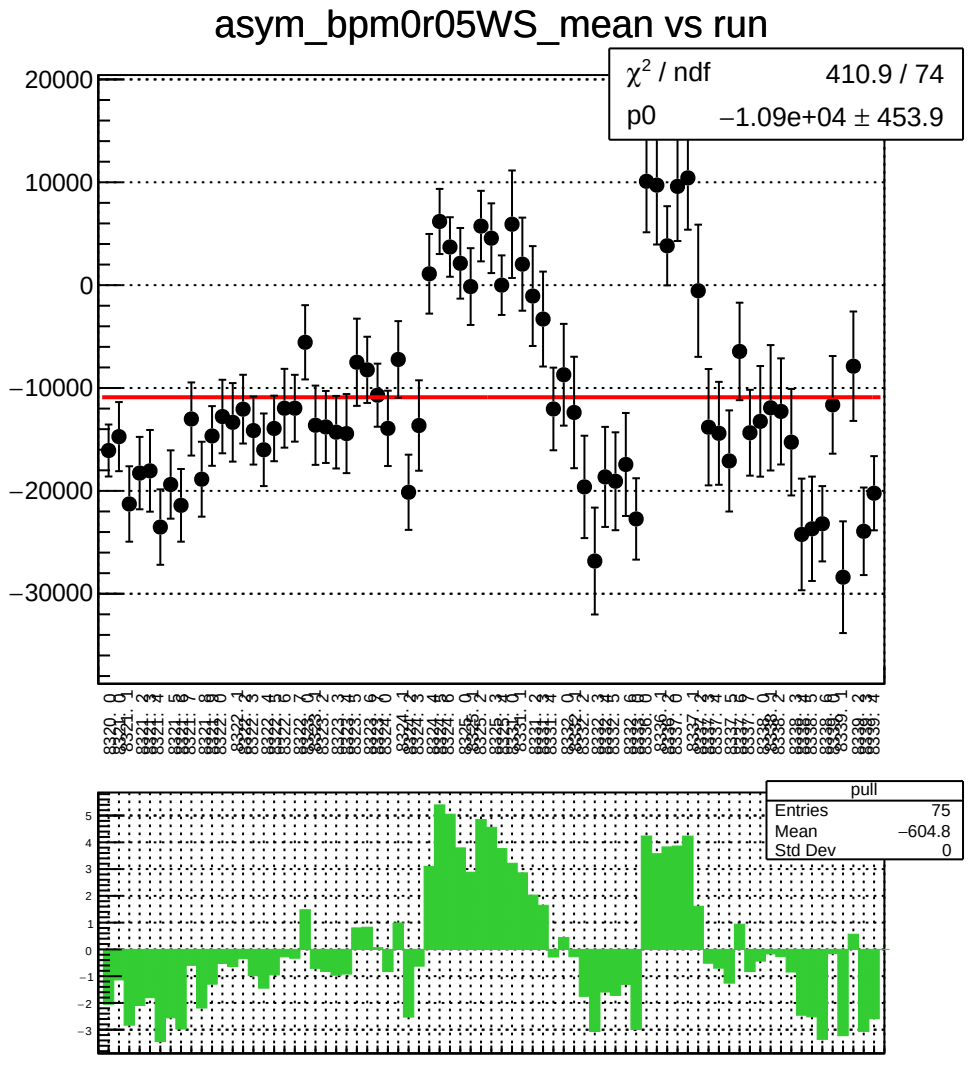

pull1D
Entries 75
Mean −0.01931
Std Dev 3.616

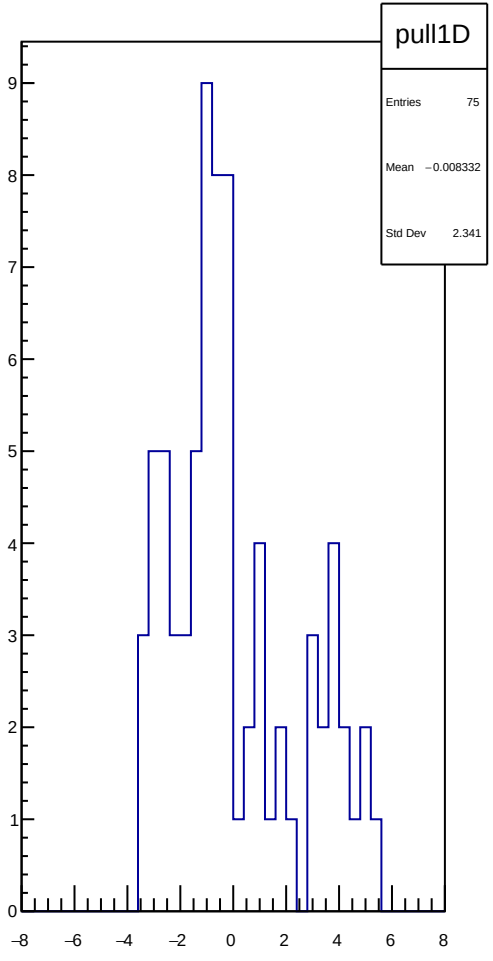

asym_bpm0l10WS_rms vs run
χ² / ndf 4614 / 74
p0 248 ± 0.2041
300
280
260
240
220
200

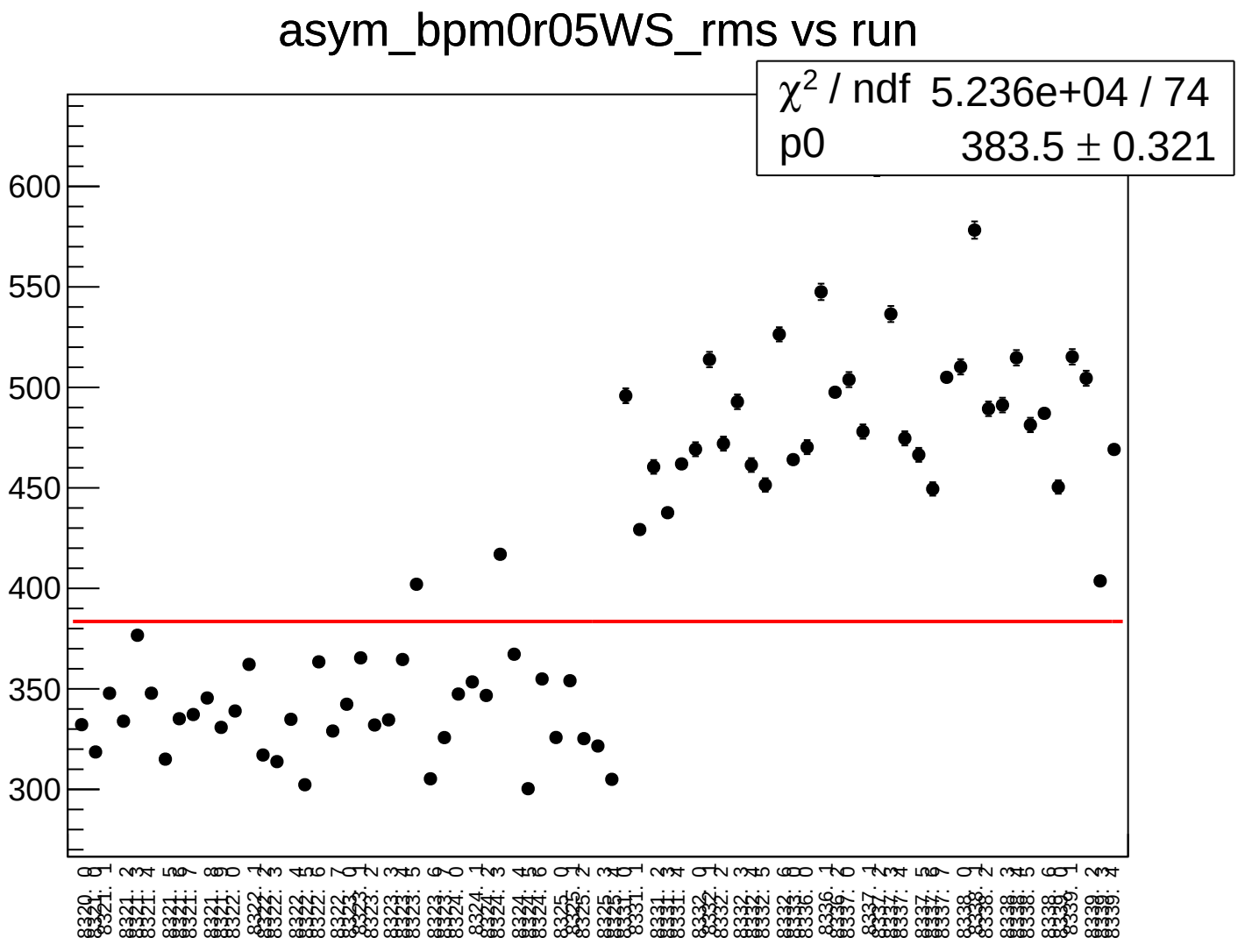

asym_bpm0r03WS_mean vs run
χ² / ndf 505.7 / 74
p0 −1.102e+04 ± 444.3
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 61.55
Std Dev 0
4
2
0
−2
−4
−6

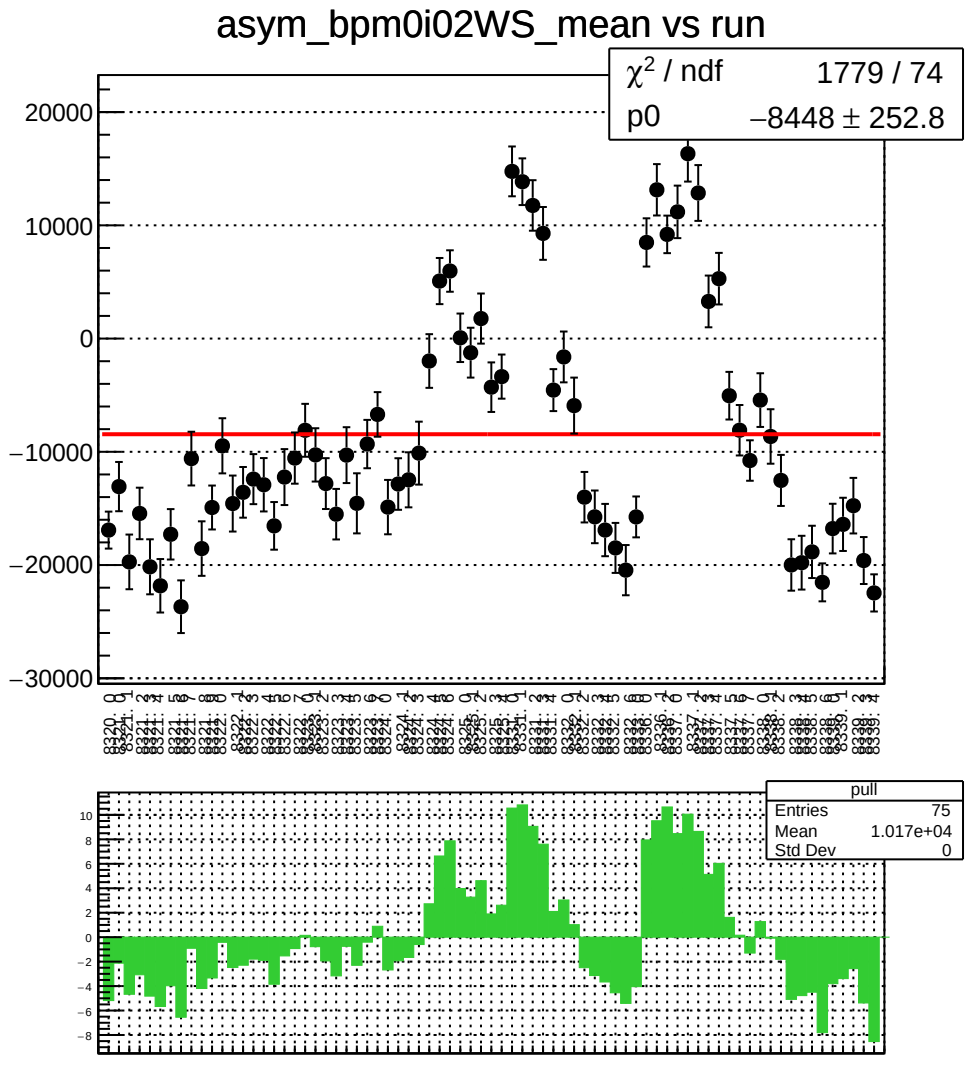

pull1D
Entries 75
Mean 0.03622
Std Dev 2.596
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

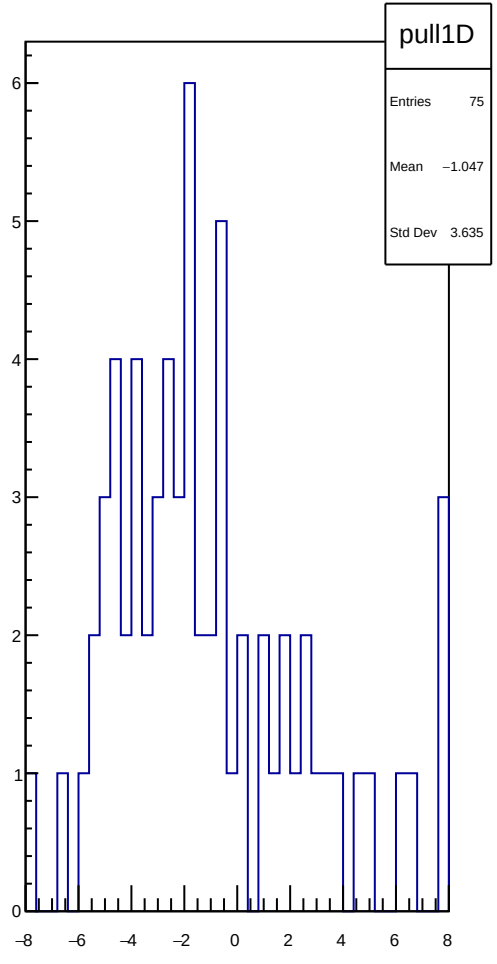

asym_bpm0r03WS_rms vs run
χ² / ndf 9662 / 74
p0 380.9 ± 0.3141
500
450
400
350
300

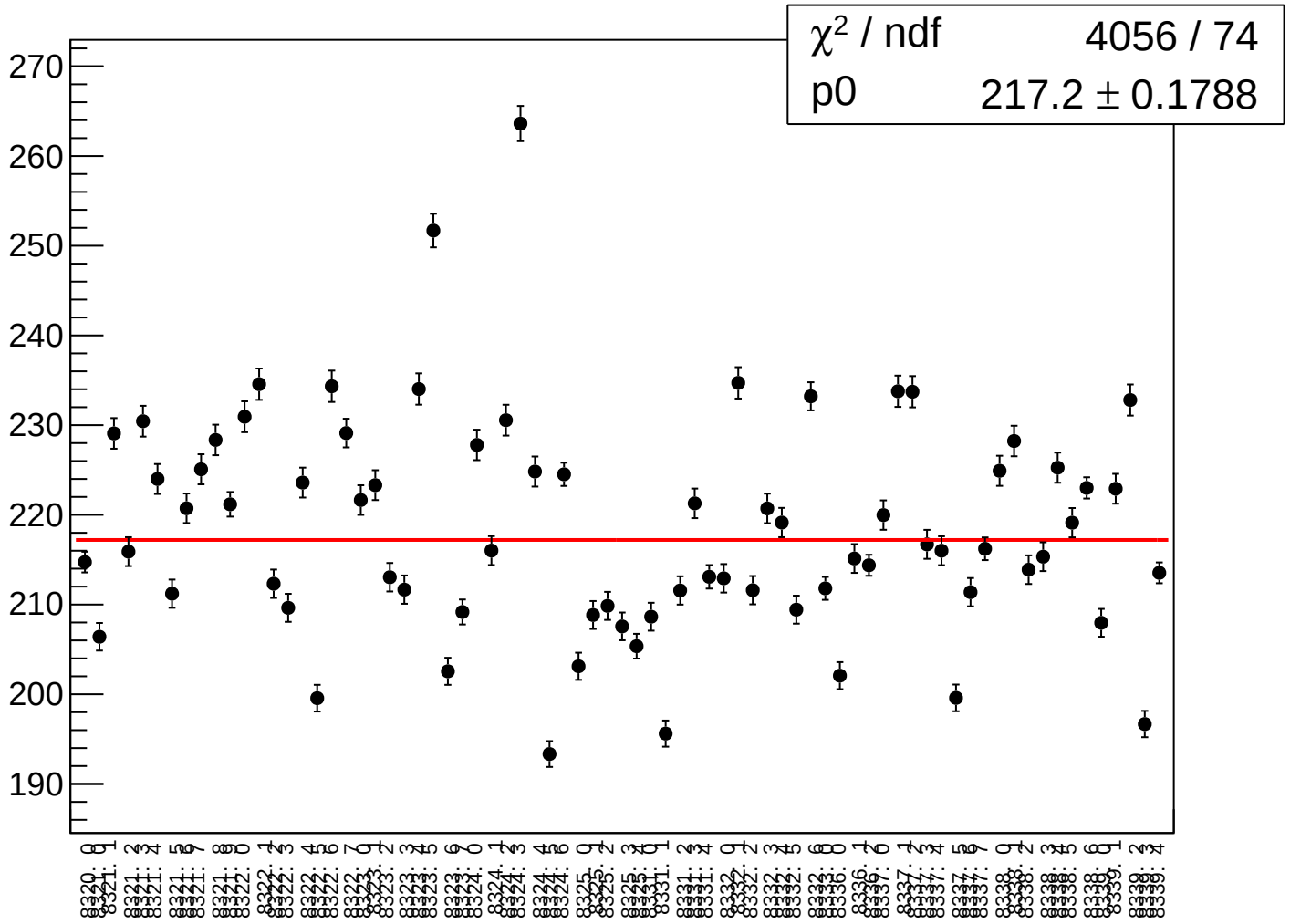

asym_bpm0r05WS_mean vs run
χ² / ndf 410.9 / 74
p0 −1.09e+04 ± 453.9
pull
Entries 75
Mean −604.8
Std Dev 0

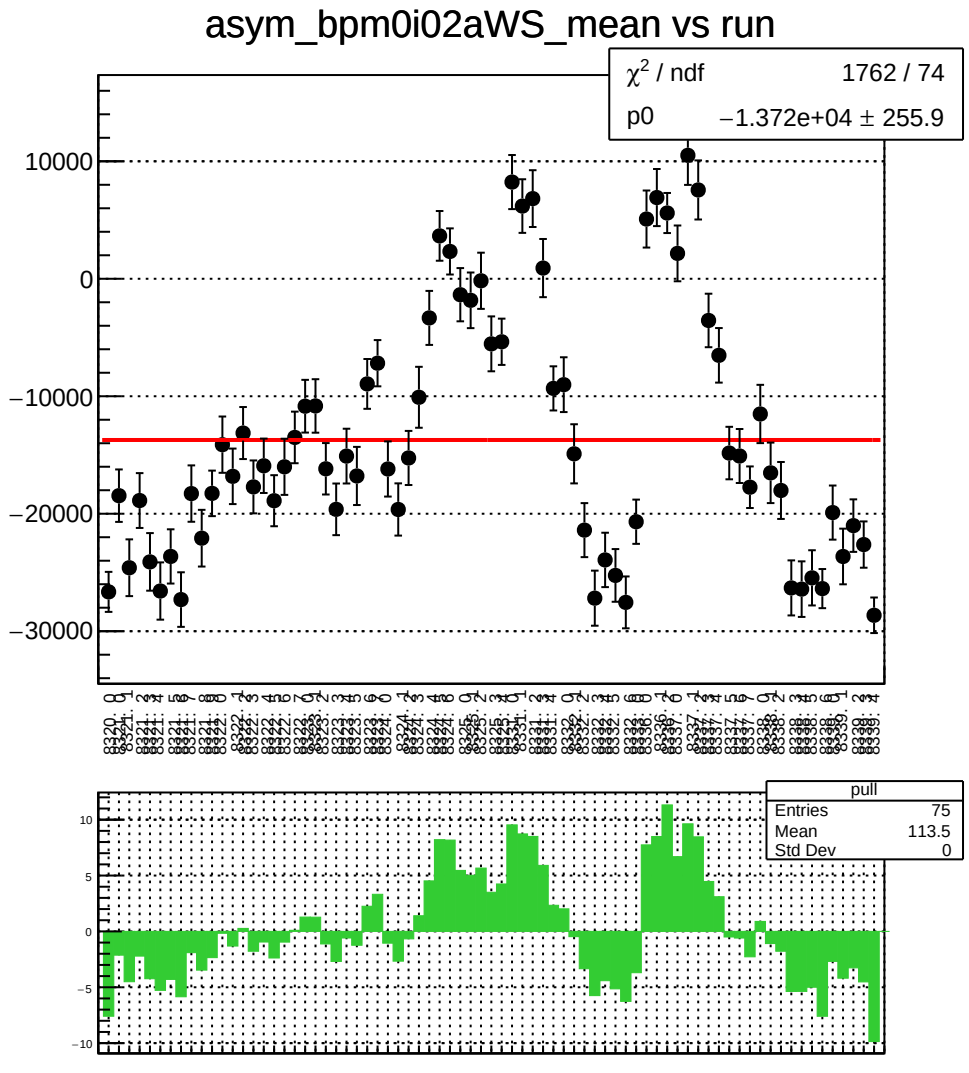

pull1D
Entries 75
Mean −0.008332
Std Dev 2.341

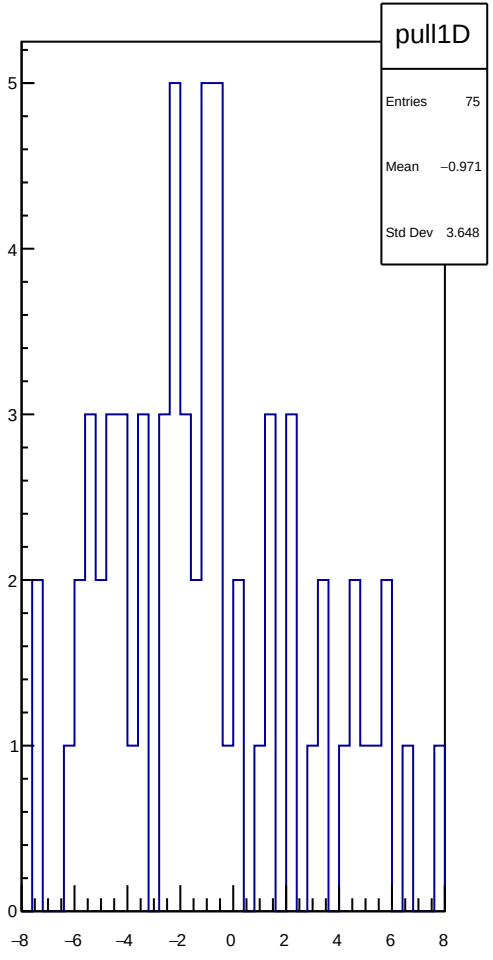

asym_bpm0r05WS_rms vs run
χ^2 / ndf 5.236e+04 / 74
p0 383.5 ± 0.321
600
550
500
450
400
350
300

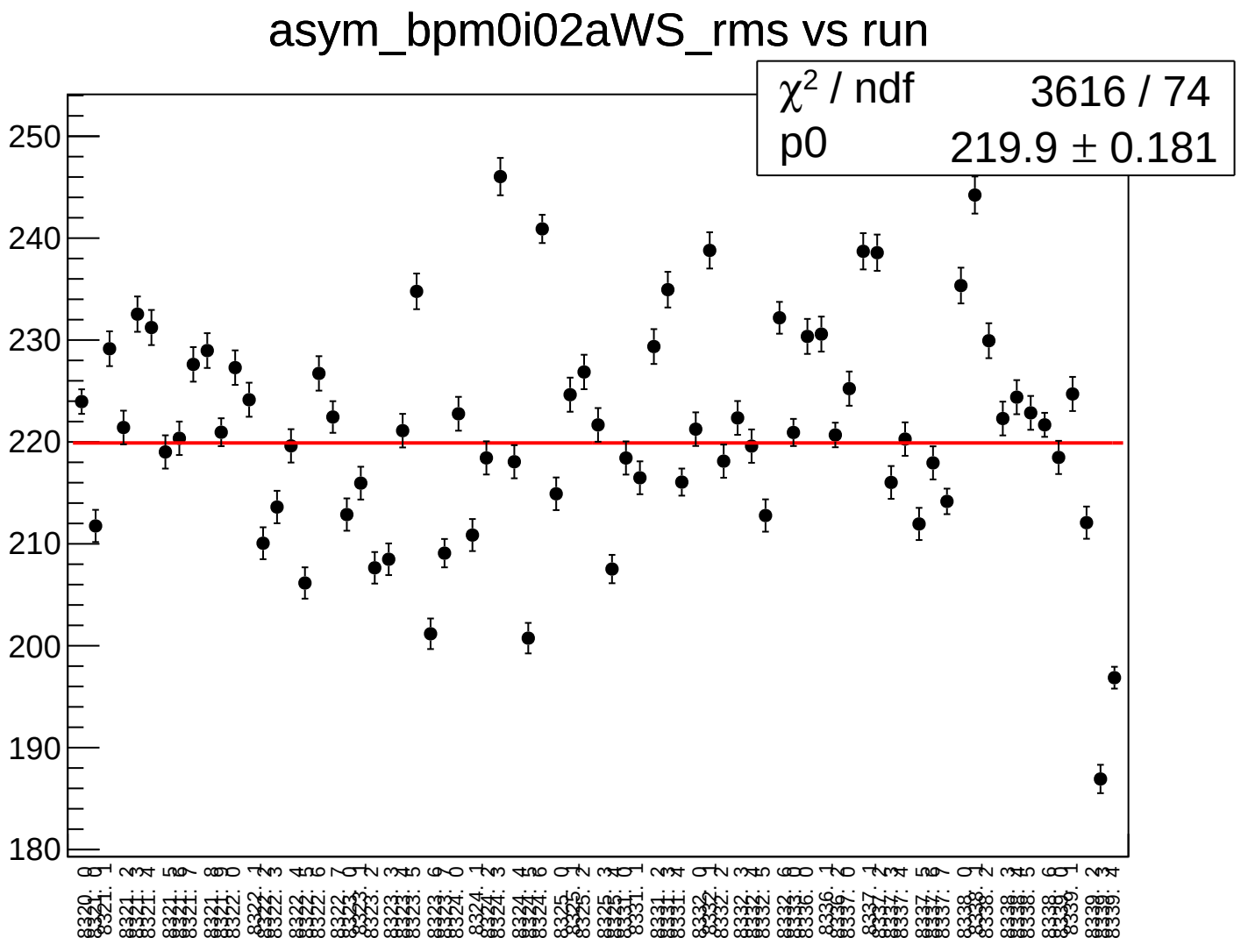

asym_bpm0i02WS_mean vs run
χ² / ndf 1779 / 74
p0 −8448 ± 252.8
pull
Entries 75
Mean 1.017e+04
Std Dev 0

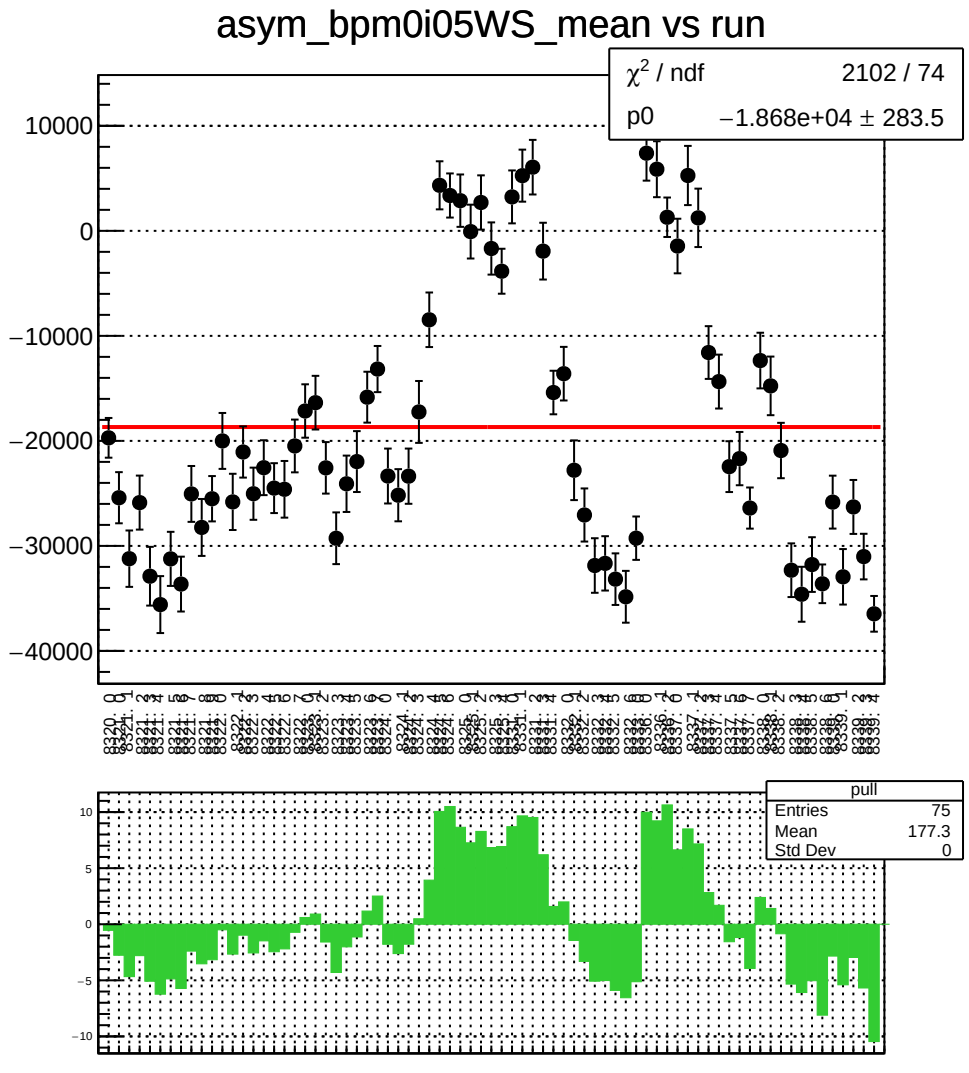

pull1D
Entries 75
Mean −1.047
Std Dev 3.635

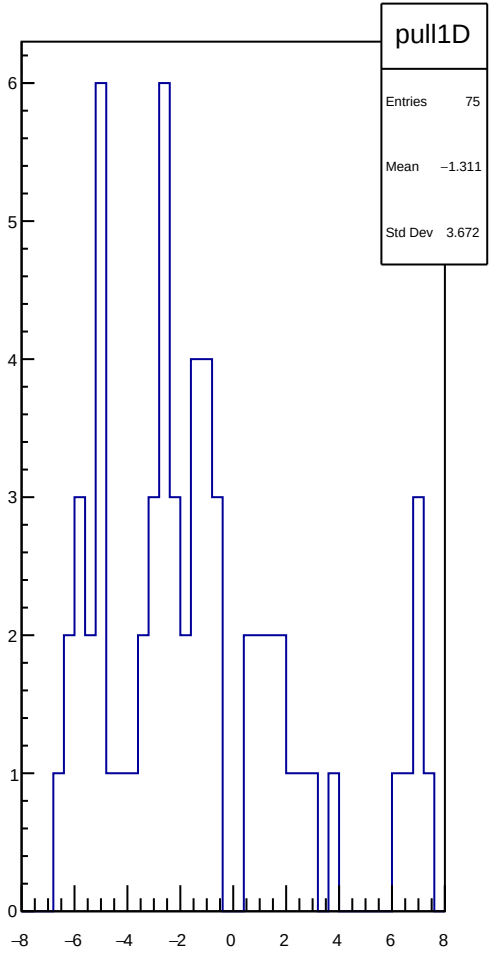

asym_bpm0i02WS_rms vs run
χ² / ndf 4056 / 74
p0 217.2 ± 0.1788
270
260
250
240
230
220
210
200
190

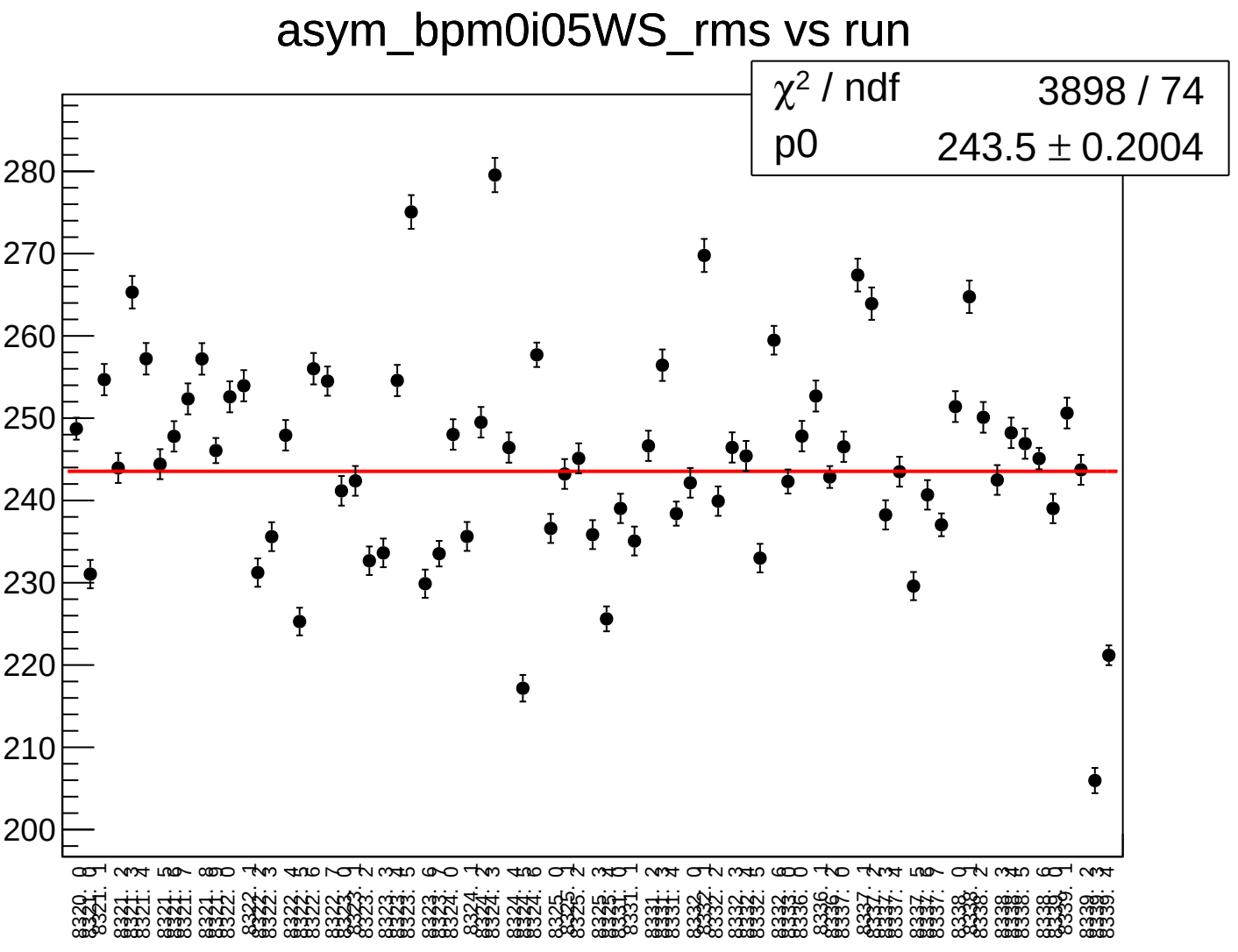

asym_bpm0i02aWS_mean vs run
χ² / ndf 1762 / 74
p0 −1.372e+04 ± 255.9
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 113.5
Std Dev 0
10
5
0
−5
−10

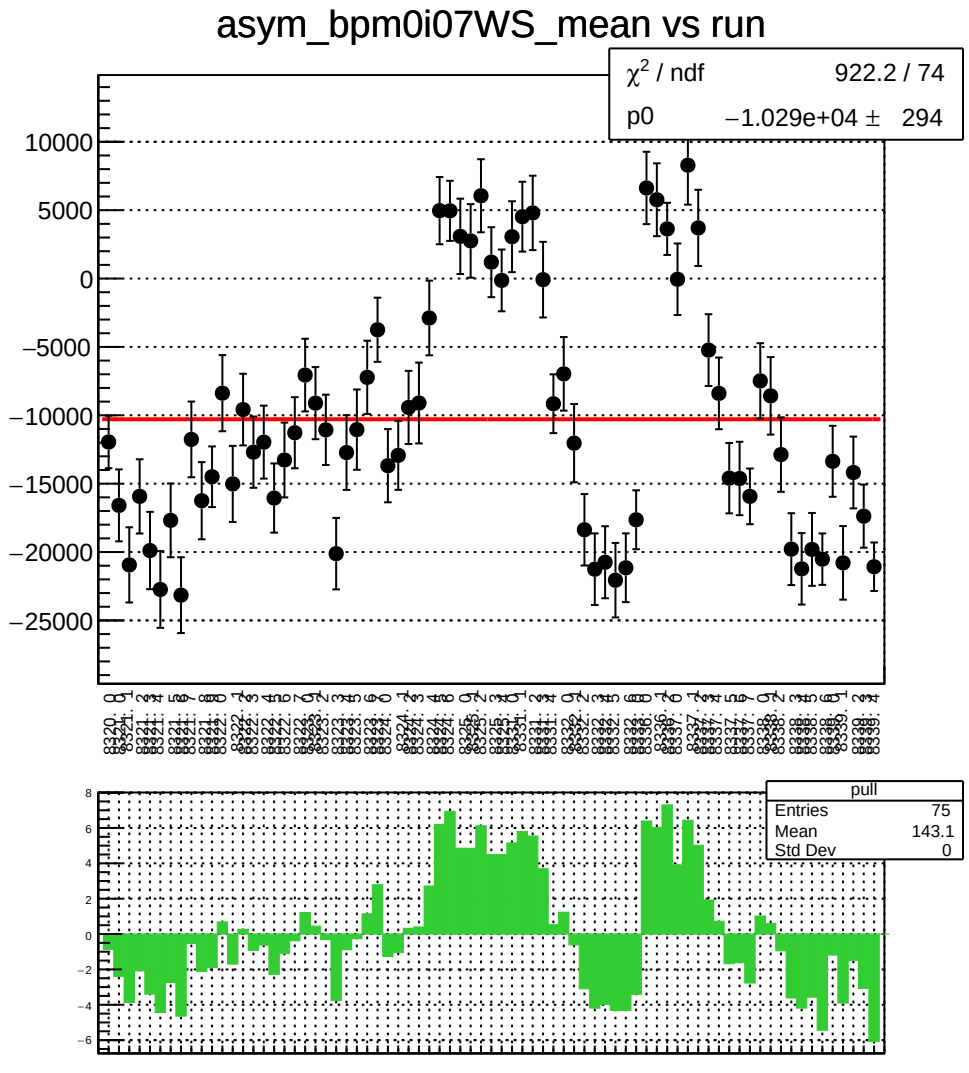

pull1D
Entries 75
Mean −0.971
Std Dev 3.648
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

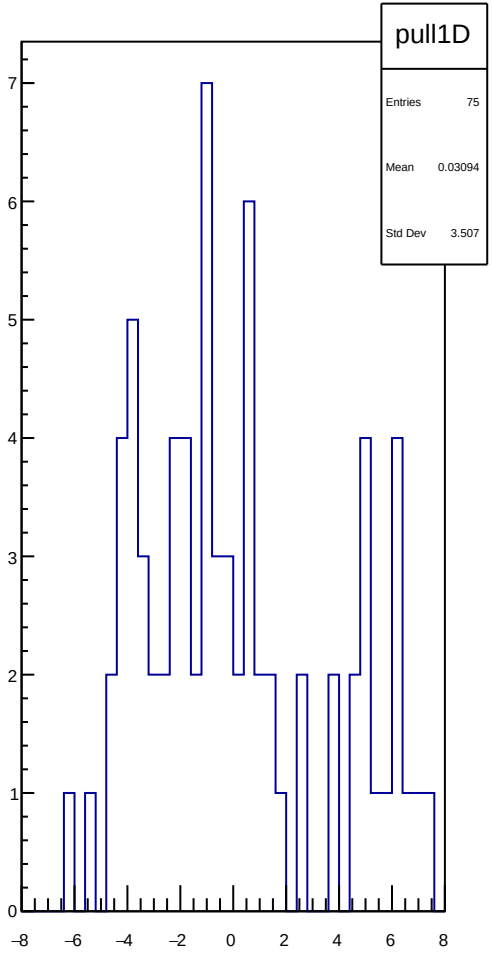

asym_bpm0i02aWS_rms vs run
χ² / ndf 3616 / 74
p0 219.9 ± 0.181
250
240
230
220
210
200
190
180

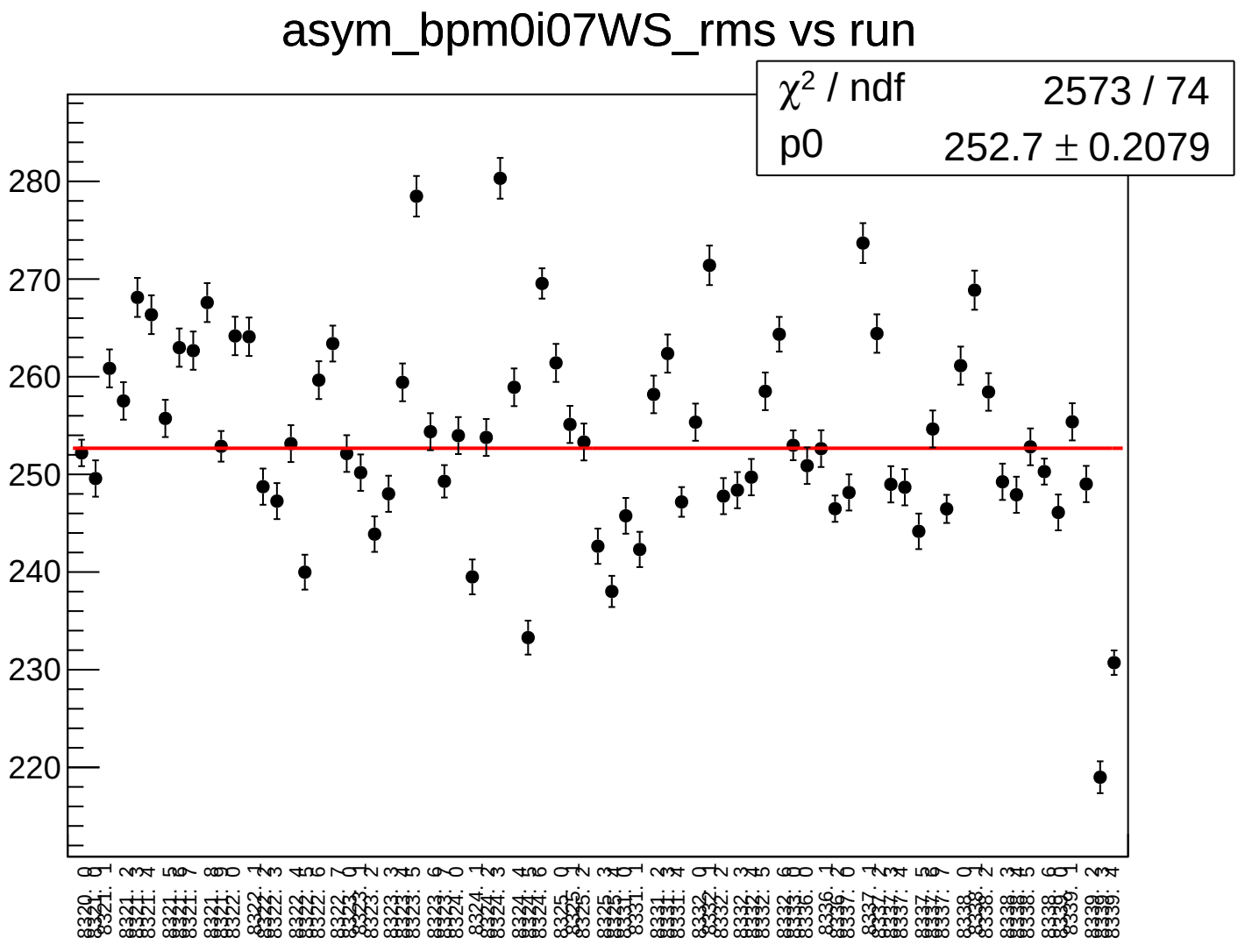

asym_bpm0i05WS_mean vs run
χ² / ndf 2102 / 74
p0 −1.868e+04 ± 283.5
pull
Entries 75
Mean 177.3
Std Dev 0

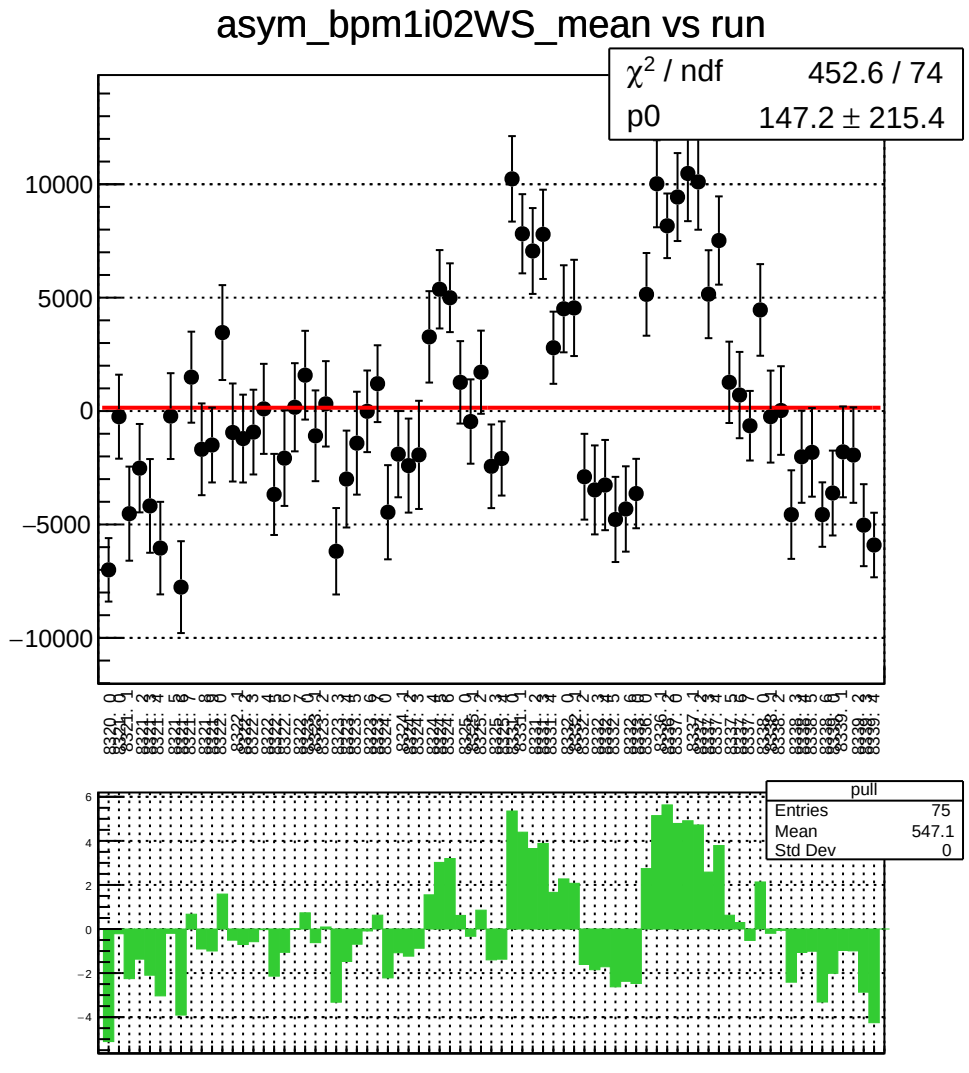

pull1D
Entries 75
Mean −1.311
Std Dev 3.672

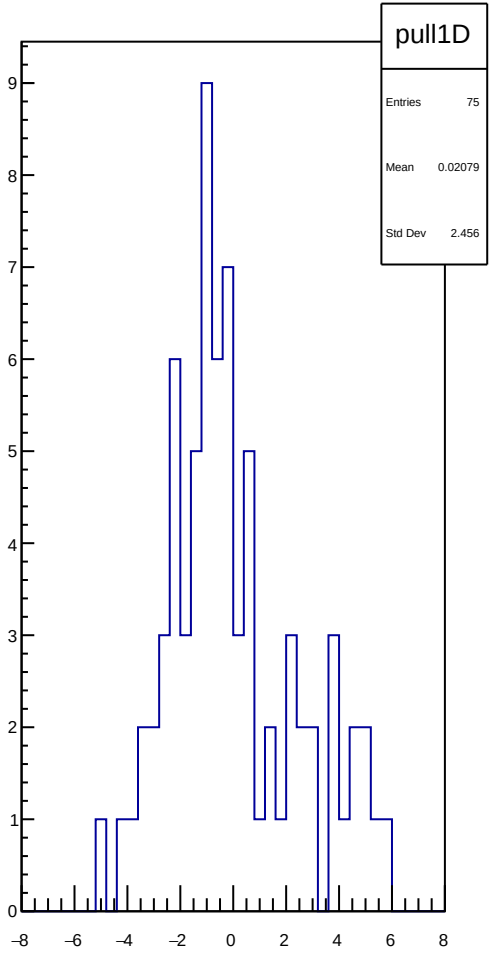

asym_bpm0i05WS_rms vs run
χ² / ndf 3898 / 74
p0 243.5 ± 0.2004
280
270
260
250
240
230
220
210
200

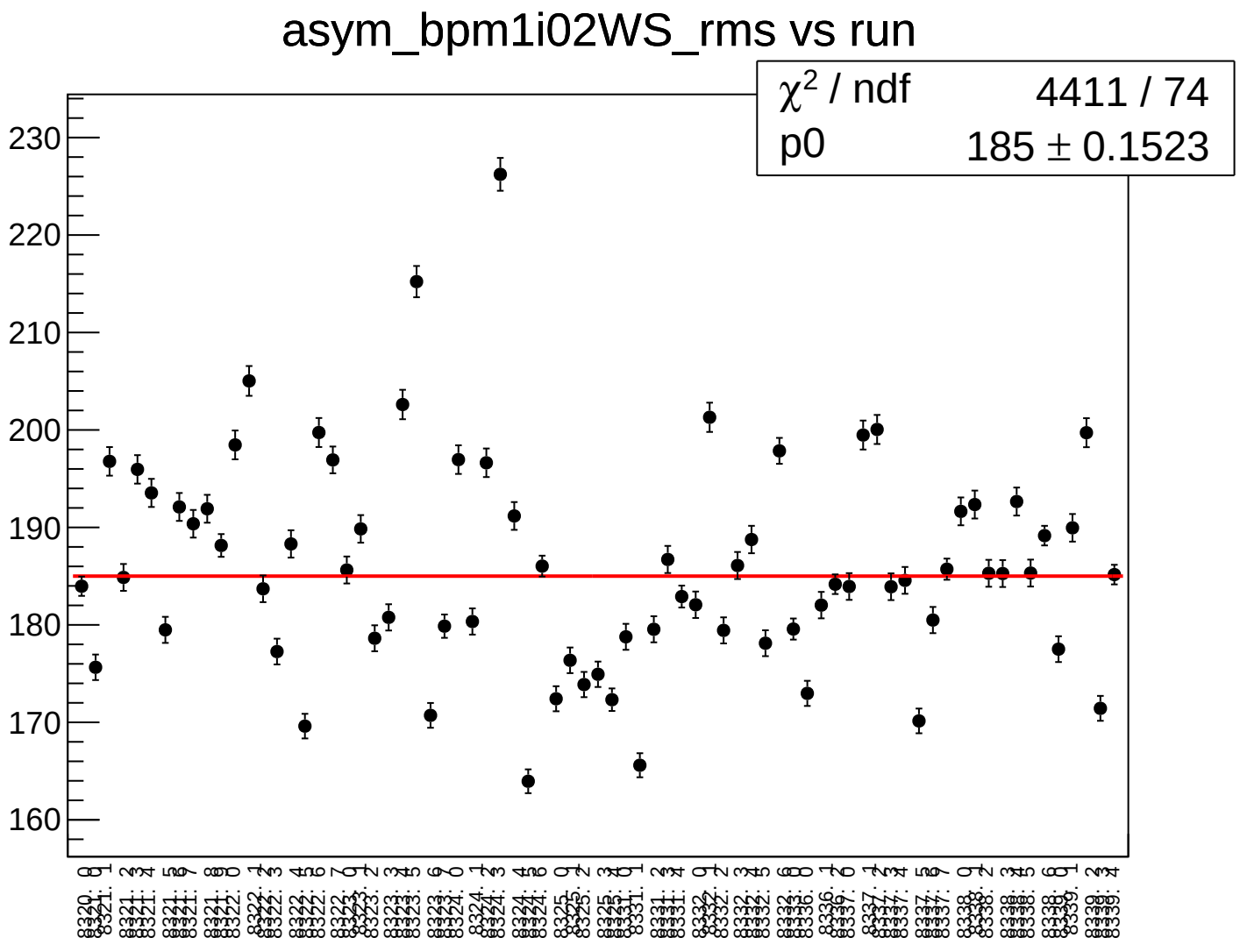

asym_bpm0i07WS_mean vs run
χ² / ndf 922.2 / 74
p0 −1.029e+04 ± 294
pull
Entries 75
Mean 143.1
Std Dev 0

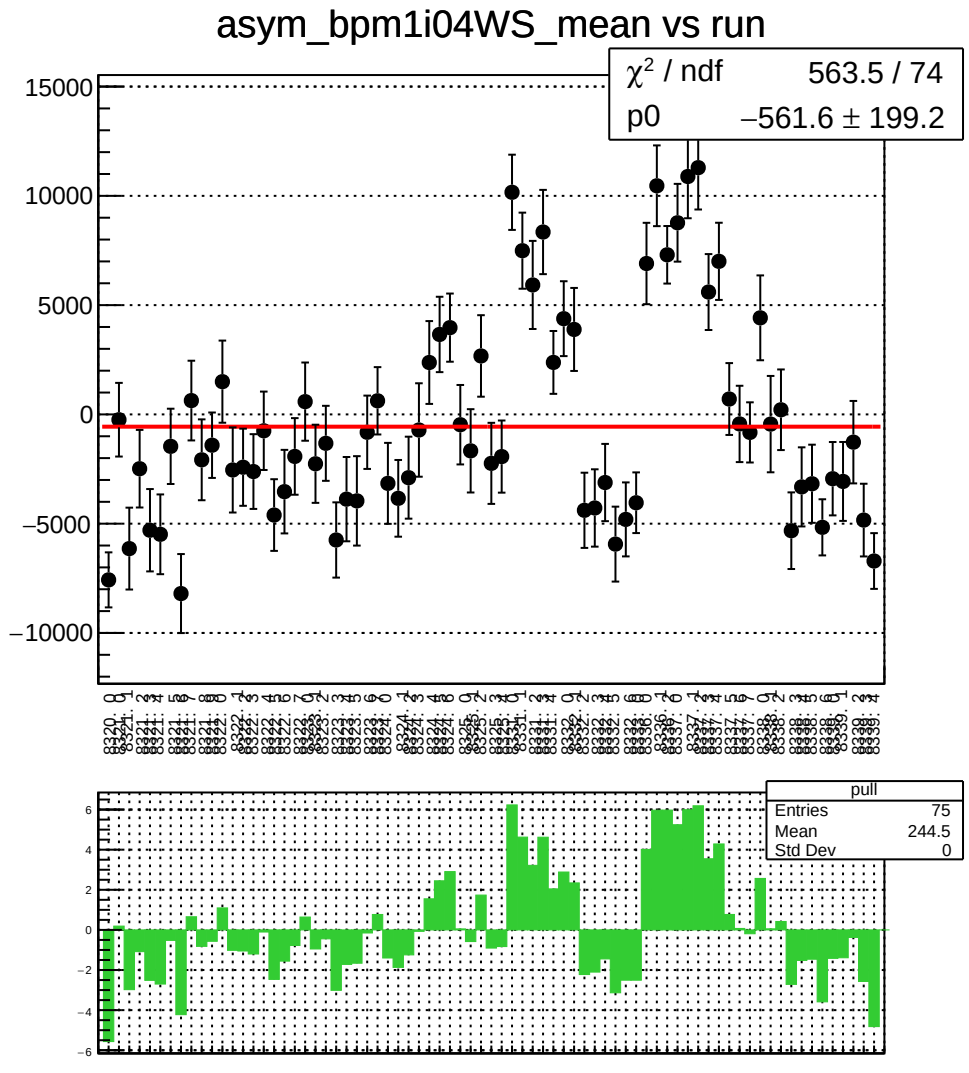

pull1D
Entries 75
Mean 0.03094
Std Dev 3.507

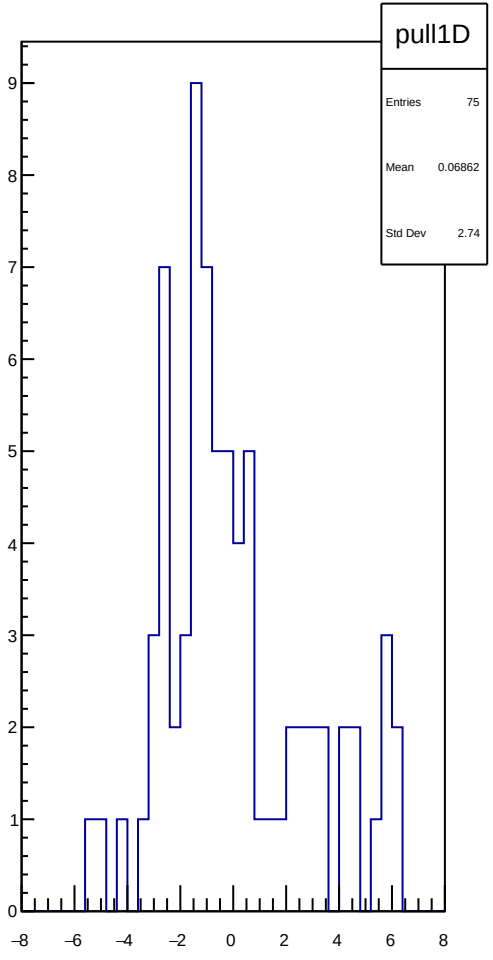

asym_bpm0i07WS_rms vs run
χ² / ndf 2573 / 74
p0 252.7 ± 0.2079
280
270
260
250
240
230
220

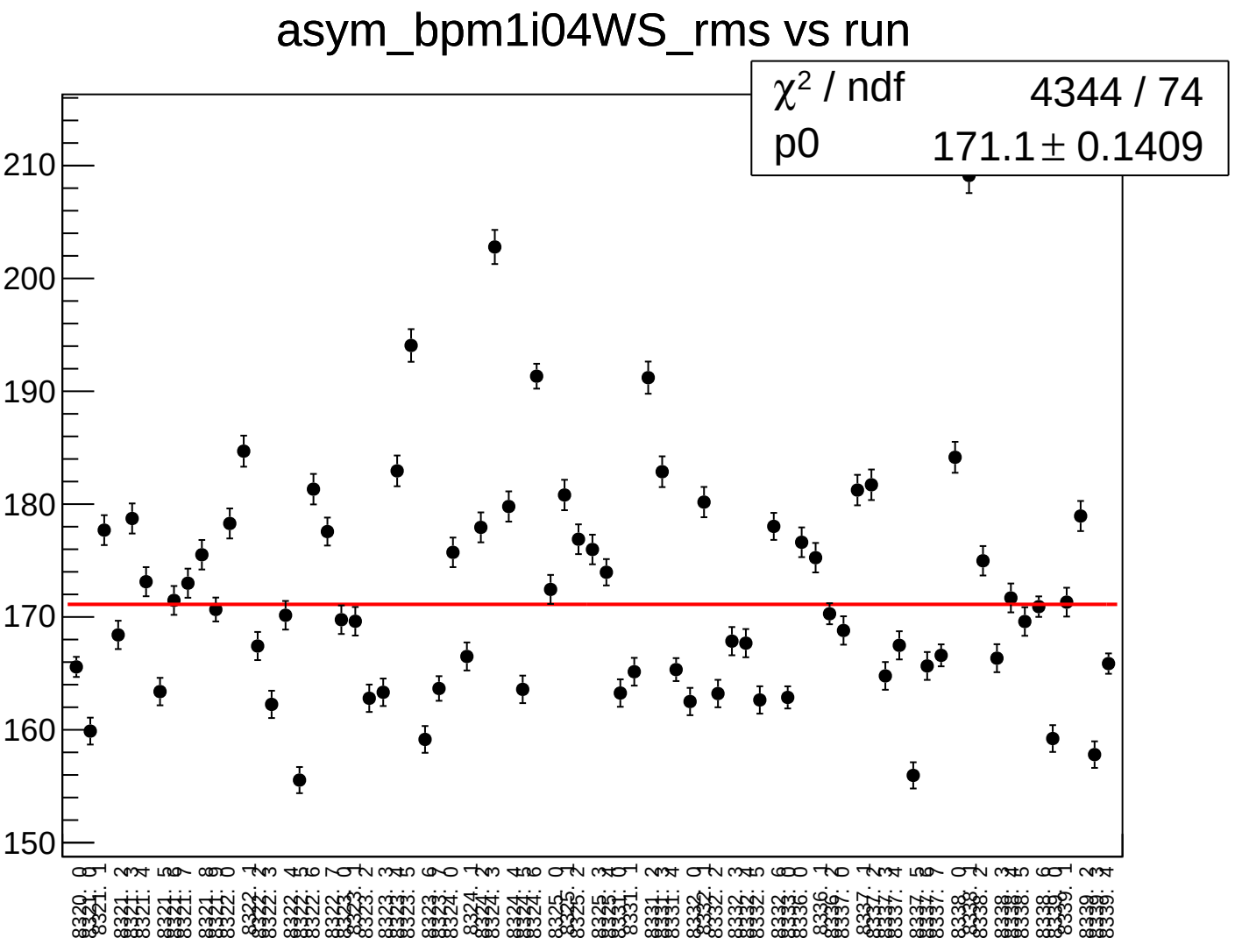

asym_bpm1i02WS_mean vs run
χ² / ndf 452.6 / 74
p0 147.2 ± 215.4
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 547.1
Std Dev 0
6
4
2
0
−2
−4

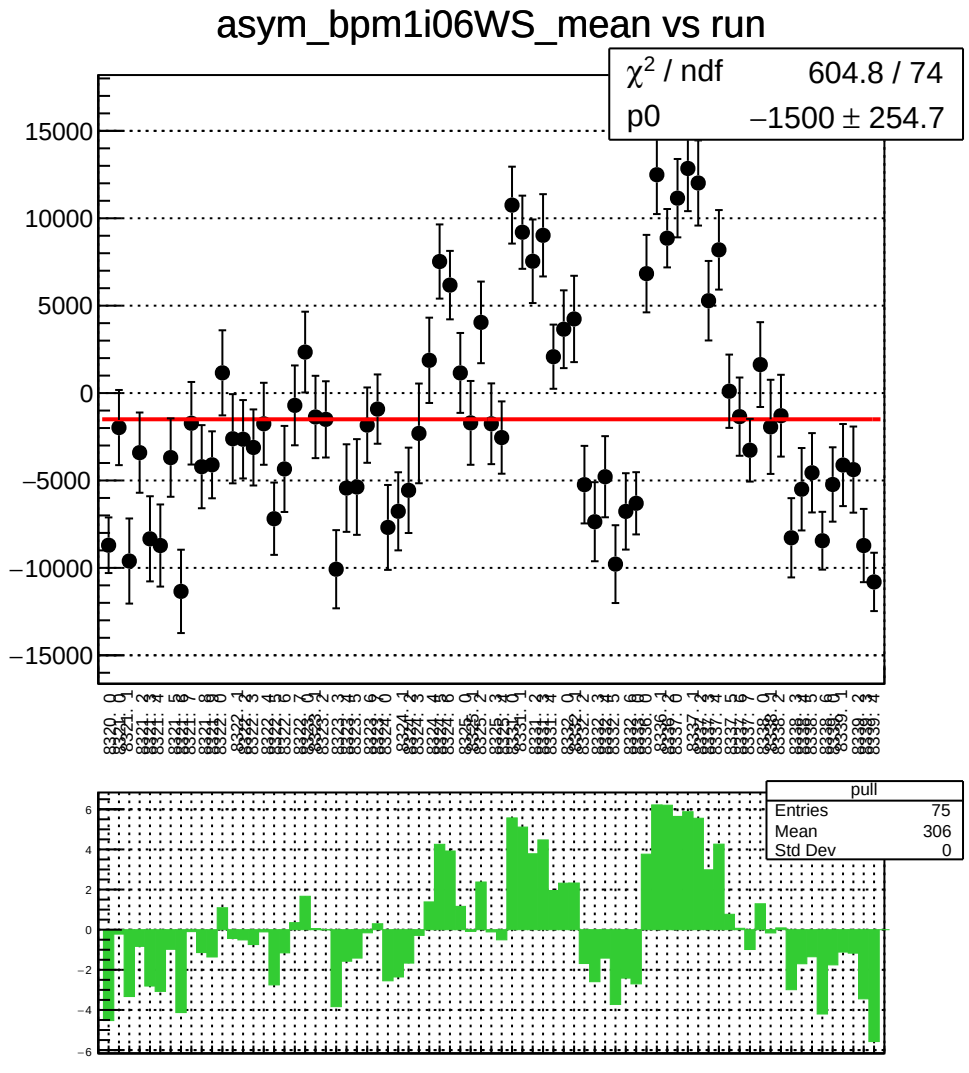

pull1D
Entries 75
Mean 0.02079
Std Dev 2.456
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

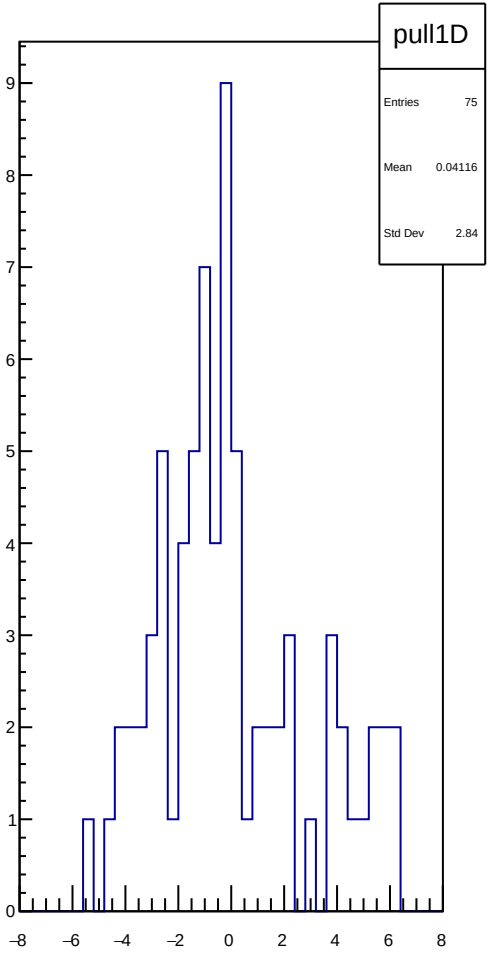

asym_bpm1i02WS_rms vs run
χ² / ndf 4411 / 74
p0 185 ± 0.1523
230
220
210
200
190
180
170
160

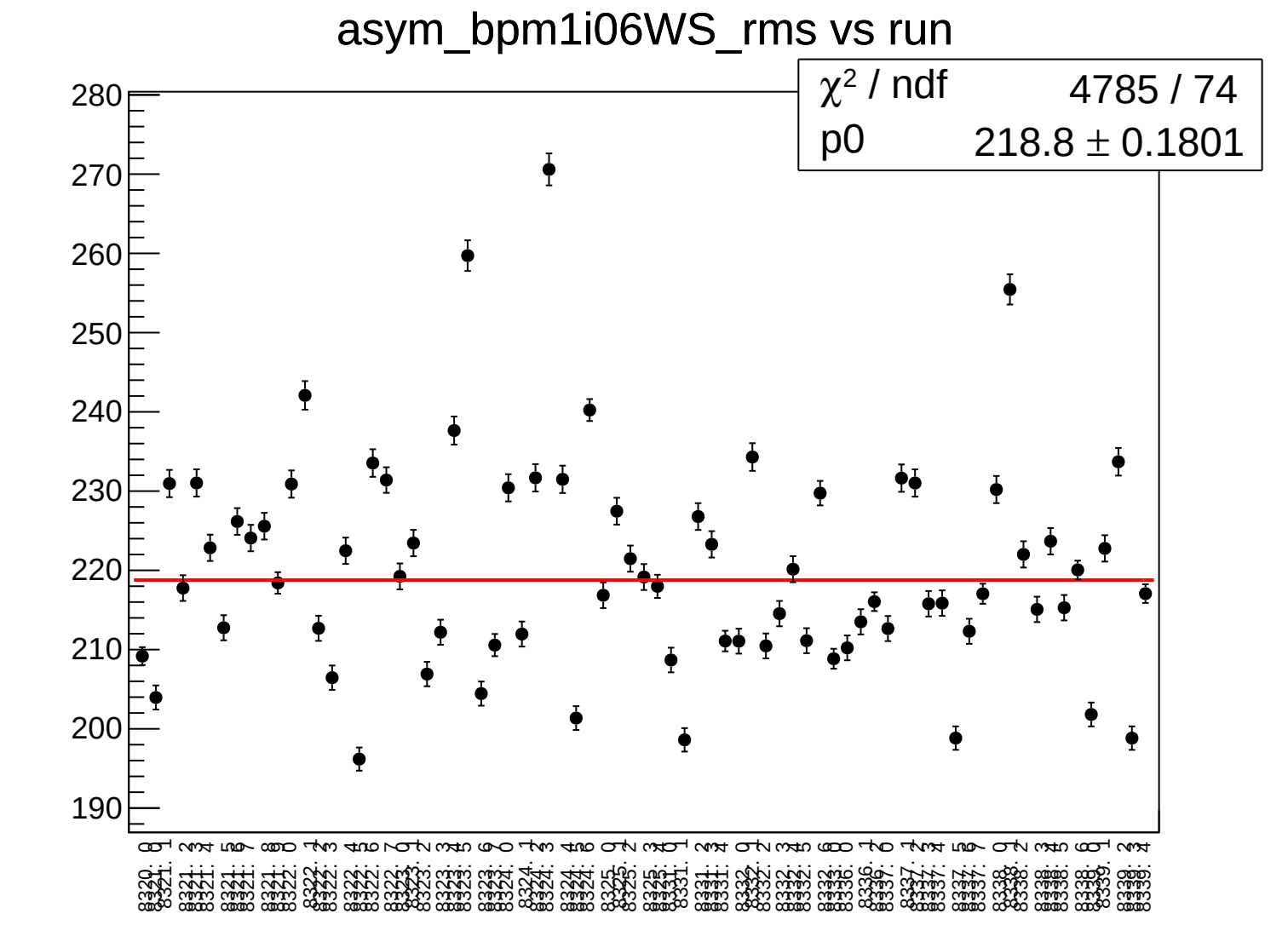

asym_bpm1i04WS_mean vs run
χ² / ndf 563.5 / 74
p0 −561.6 ± 199.2
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 244.5
Std Dev 0
6
4
2
0
−2
−4
−6

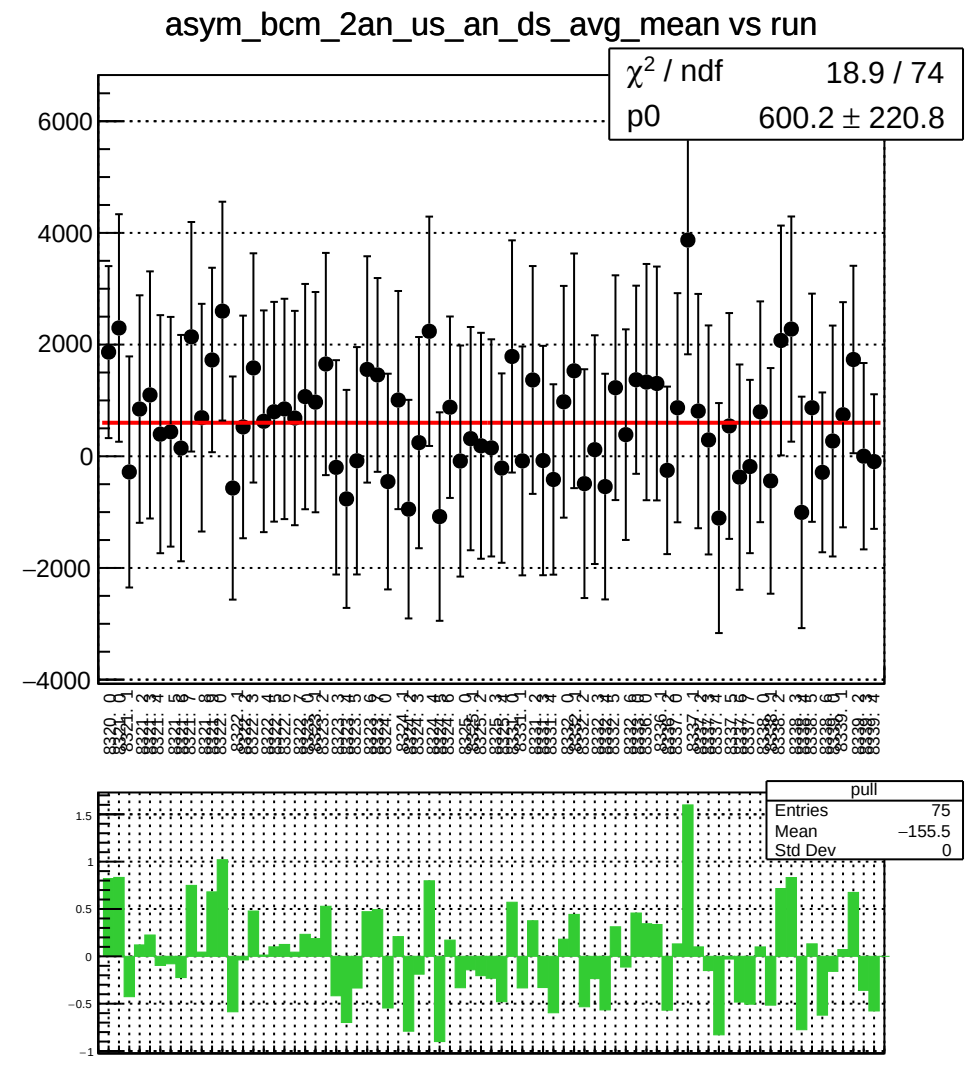

pull1D
Entries 75
Mean 0.06862
Std Dev 2.74
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

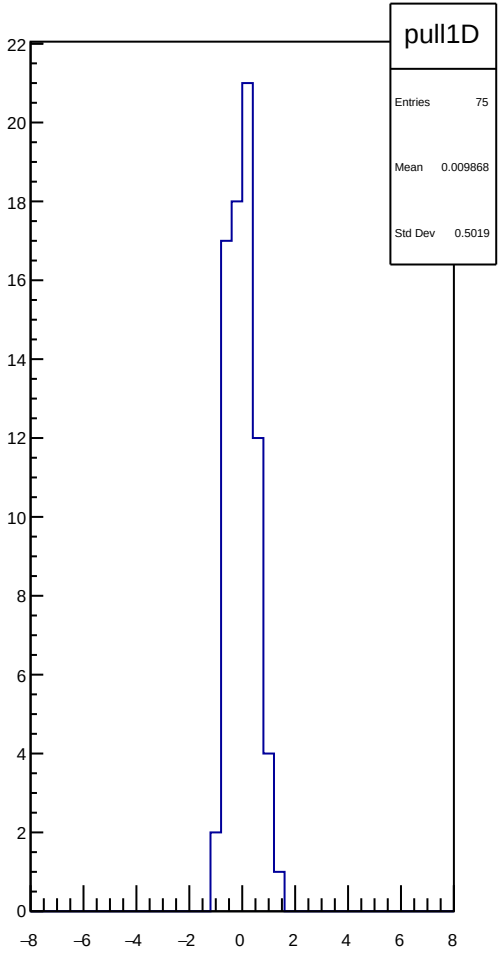

asym_bpm1i04WS_rms vs run
χ² / ndf 4344 / 74
p0 171.1 ± 0.1409
210
200
190
180
170
160
150

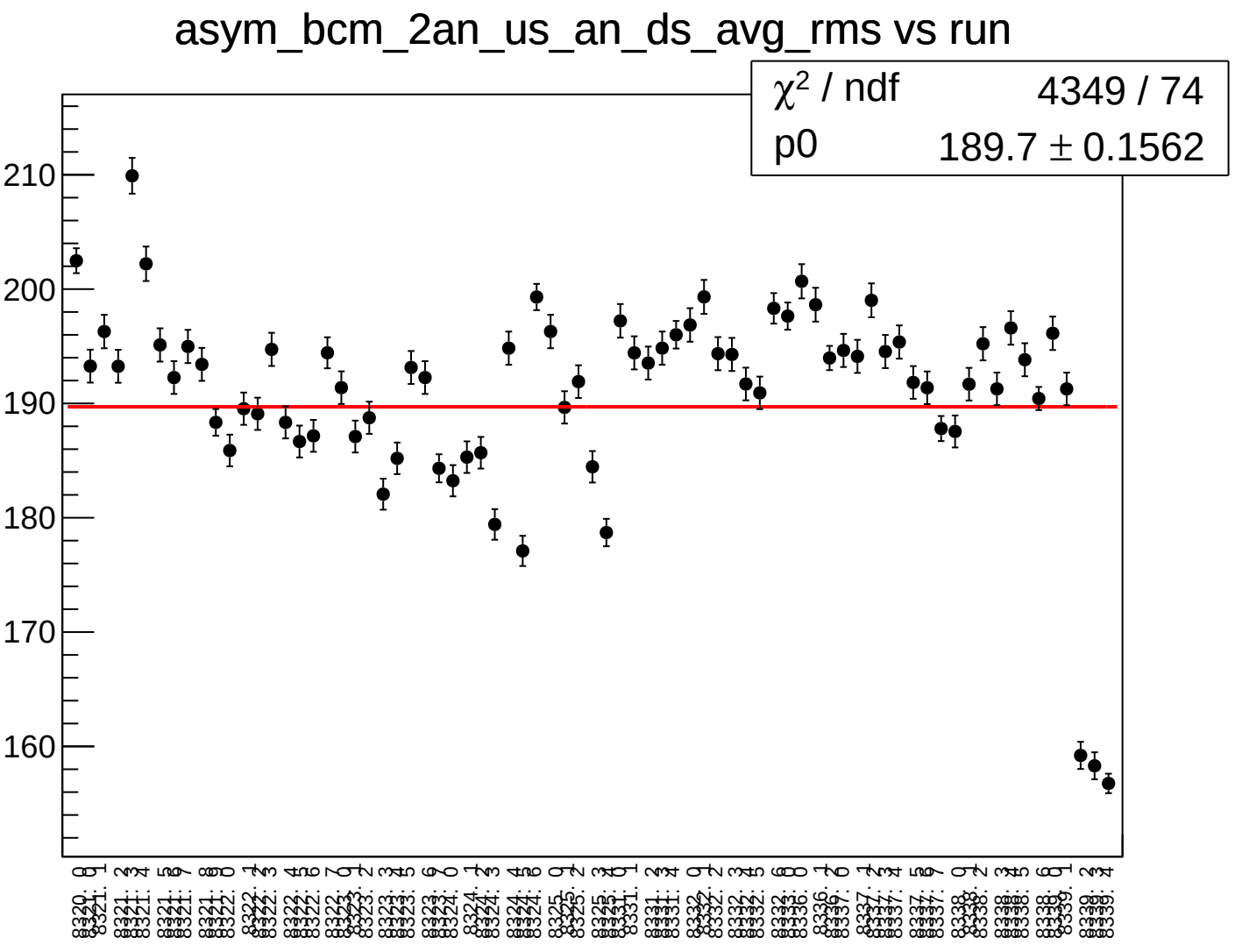

asym_bpm1i06WS_mean vs run
χ² / ndf 604.8 / 74
p0 −1500 ± 254.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean 306
Std Dev 0
6
4
2
0
−2
−4
−6

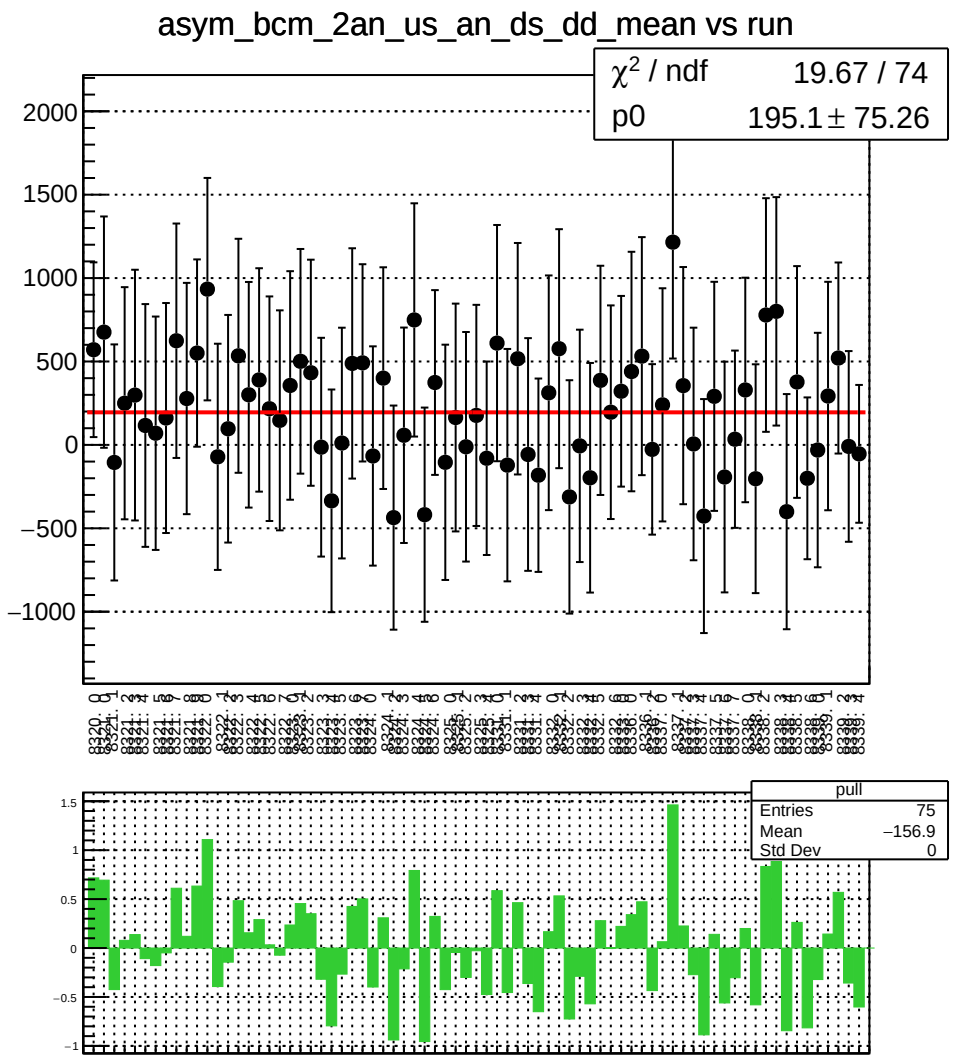

pull1D
Entries 75
Mean 0.04116
Std Dev 2.84
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

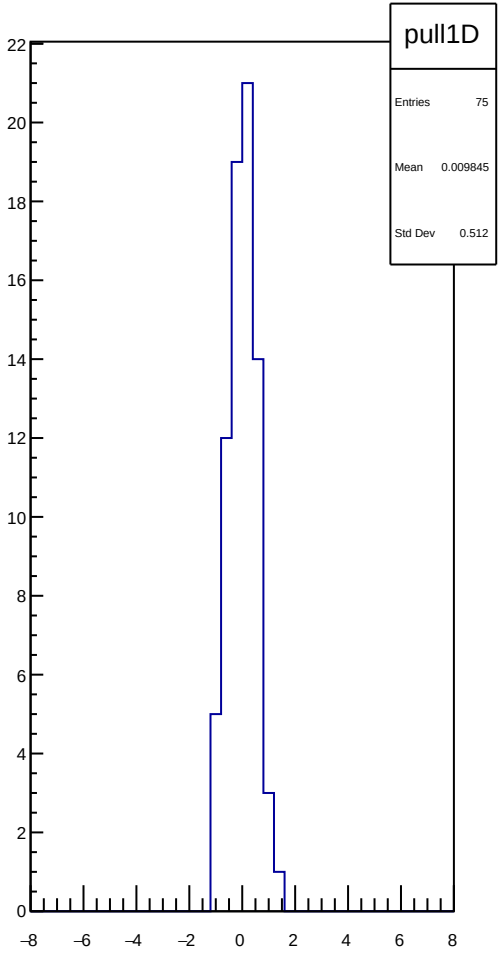

asym_bpm1i06WS_rms vs run
χ² / ndf 4785 / 74
p0 218.8 ± 0.1801
280
270
260
250
240
230
220
210
200
190

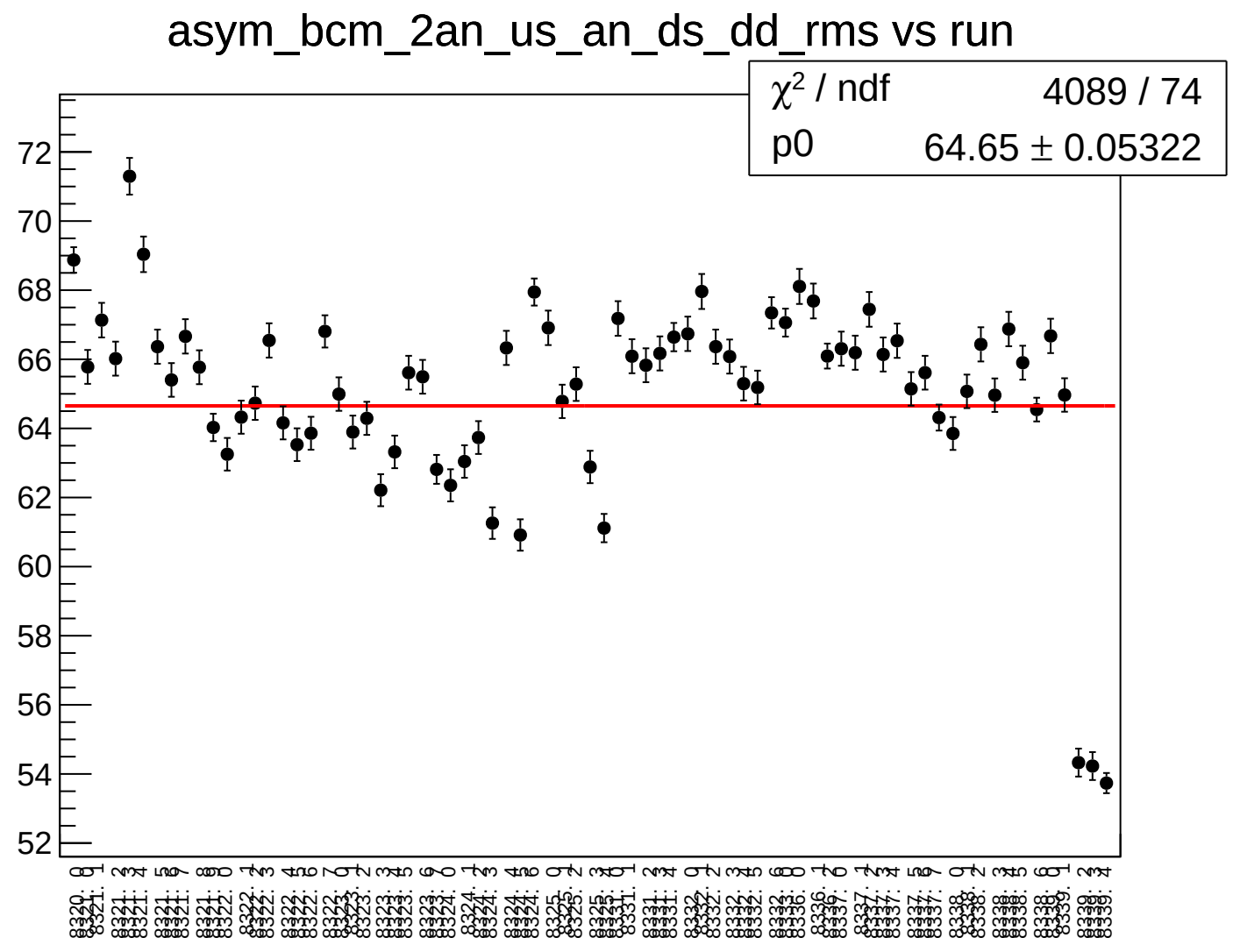

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 18.9 / 74
p0 600.2 ± 220.8
pull
Entries 75
Mean −155.5
Std Dev 0

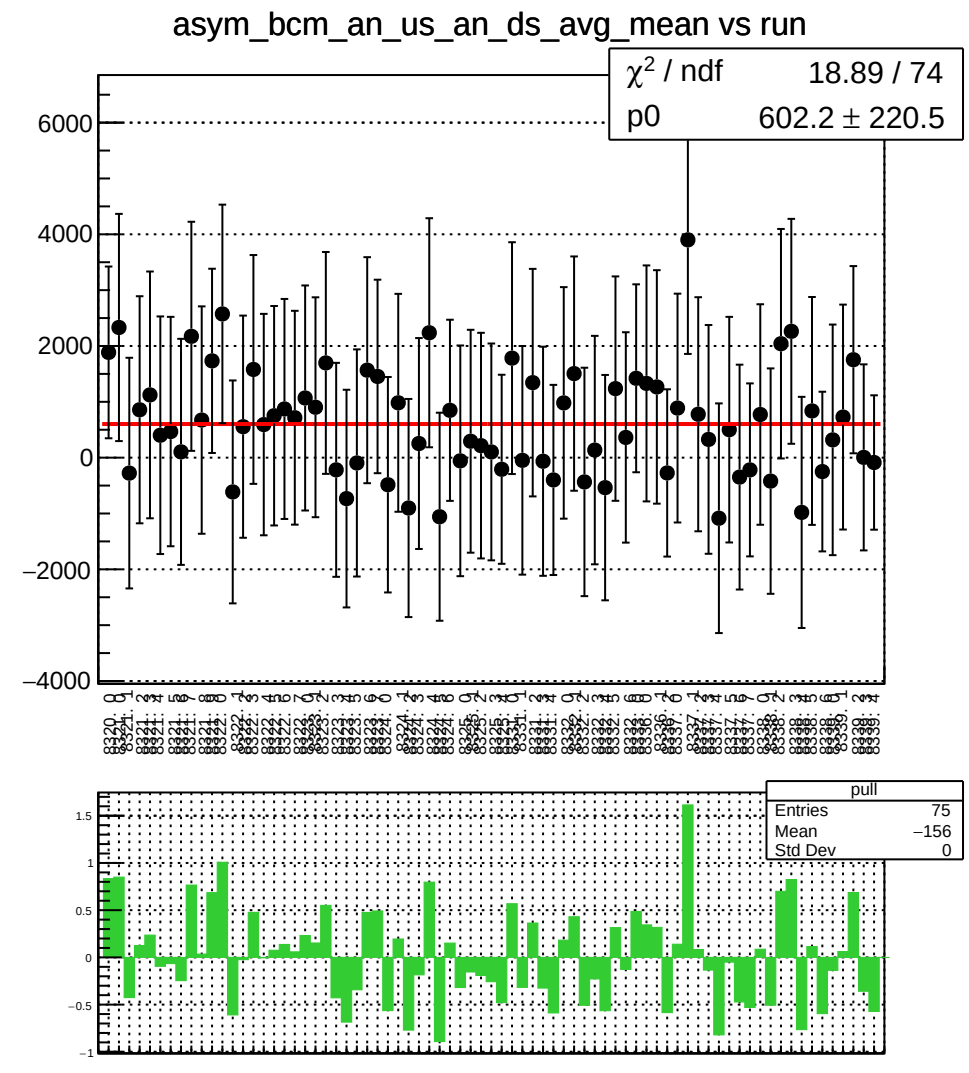

pull1D
Entries 75
Mean 0.009868
Std Dev 0.5019

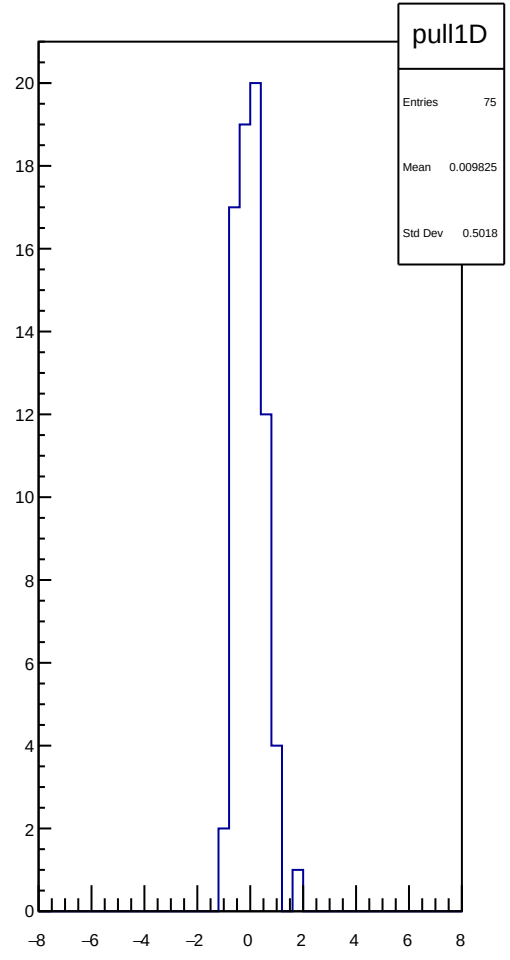

asym_bcm_2an_us_an_ds_avg_rms vs run
χ^2 / ndf 4349 / 74
p0 189.7 ± 0.1562
210
200
190
180
170
160

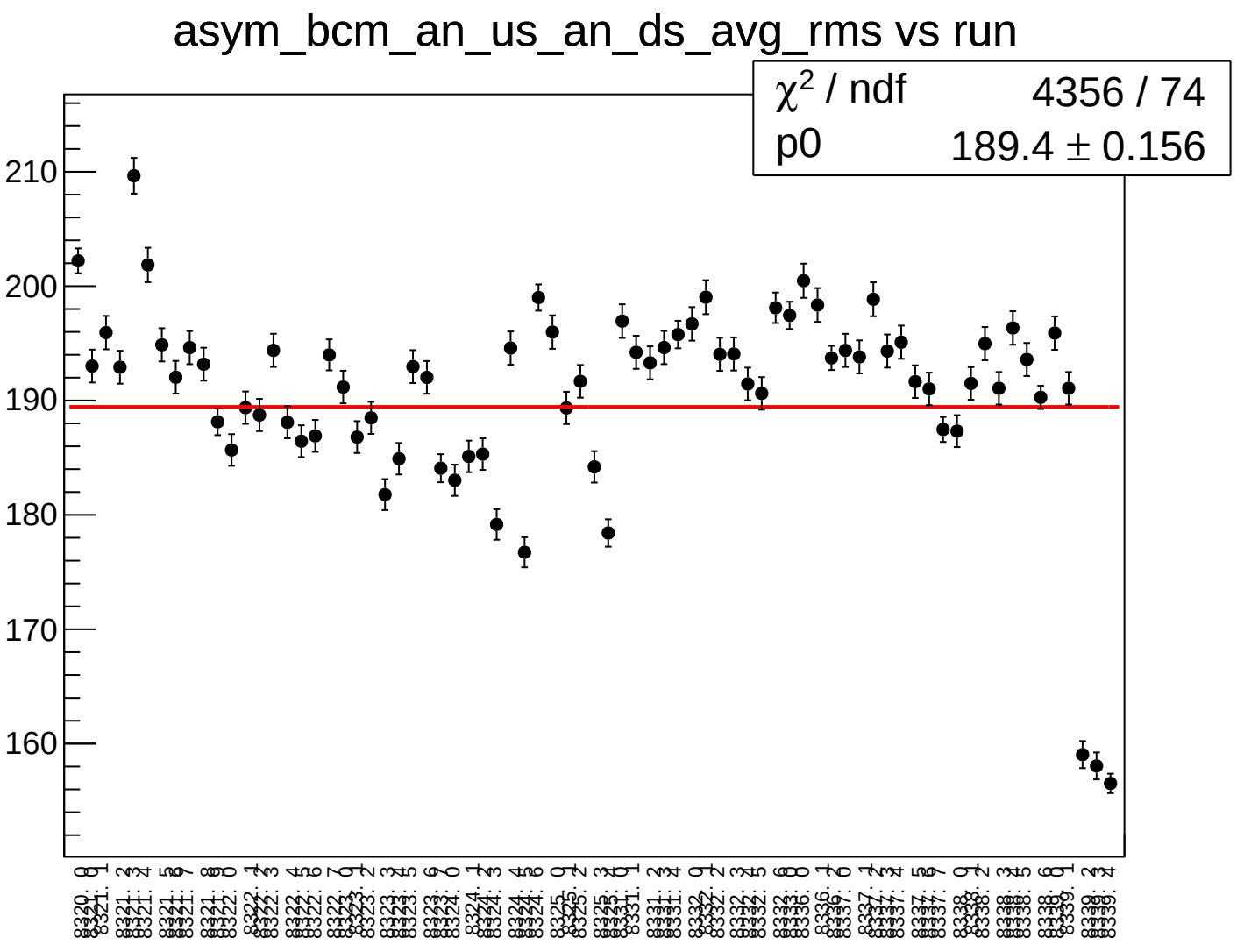

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 19.67 / 74
p0 195.1 ± 75.26
pull
Entries 75
Mean −156.9
Std Dev 0

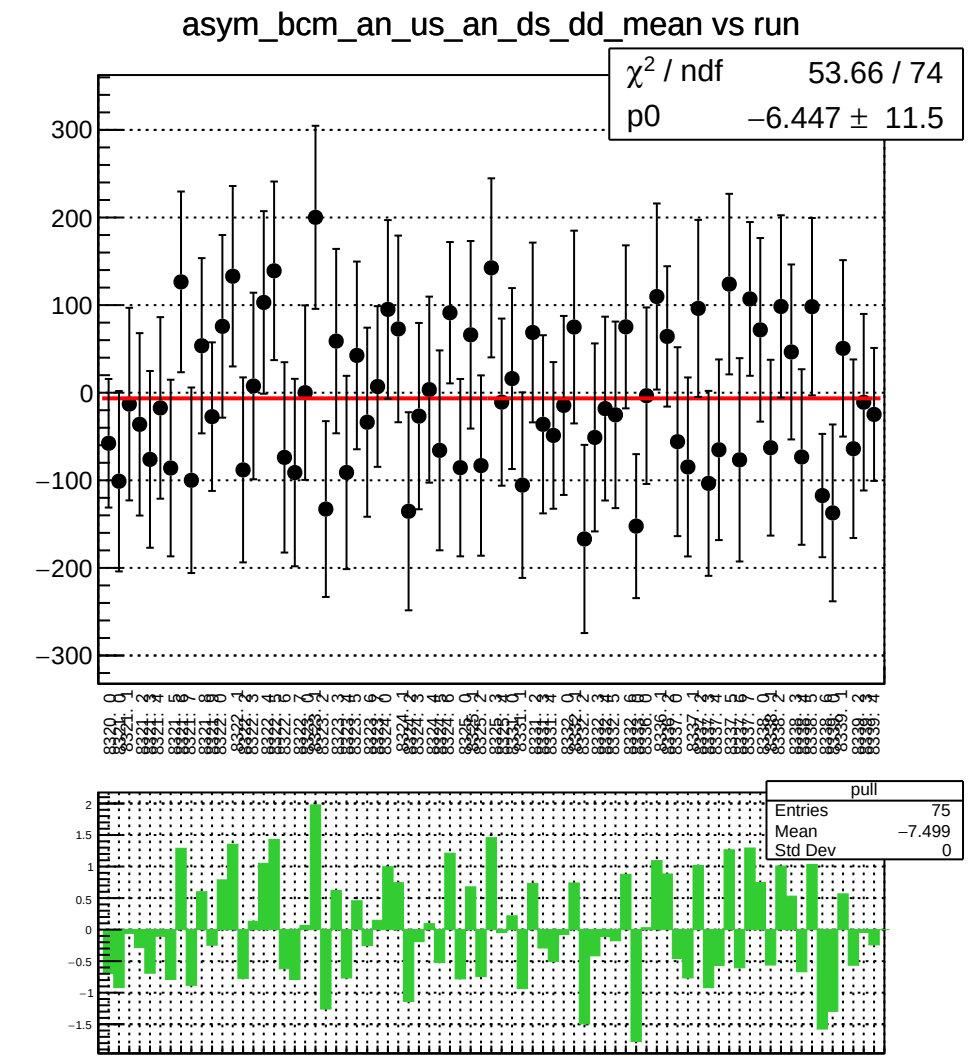

pull1D
Entries 75
Mean 0.009845
Std Dev 0.512

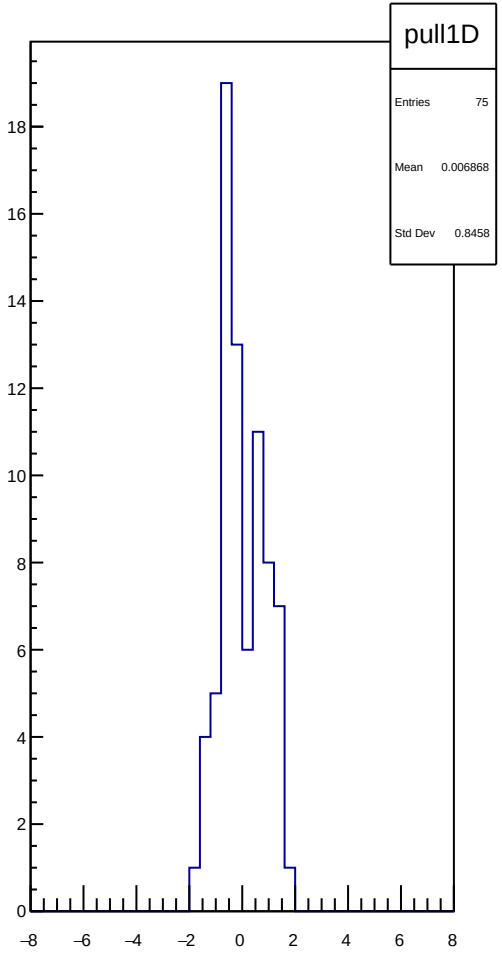

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 4089 / 74
p0 64.65 ± 0.05322
72
70
68
66
64
62
60
58
56
54
52

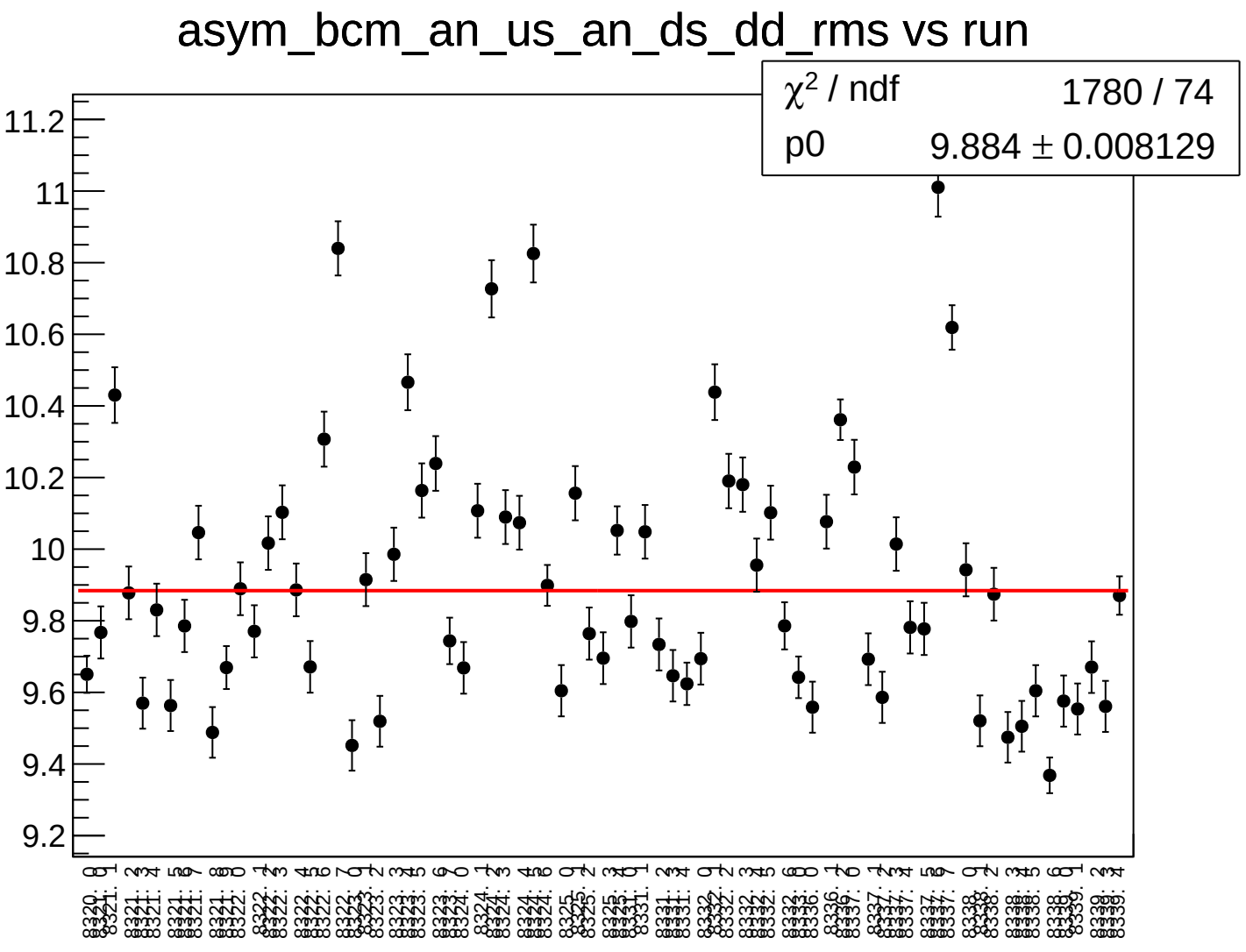

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 18.89 / 74
p0 602.2 ± 220.5
pull
Entries 75
Mean −156
Std Dev 0

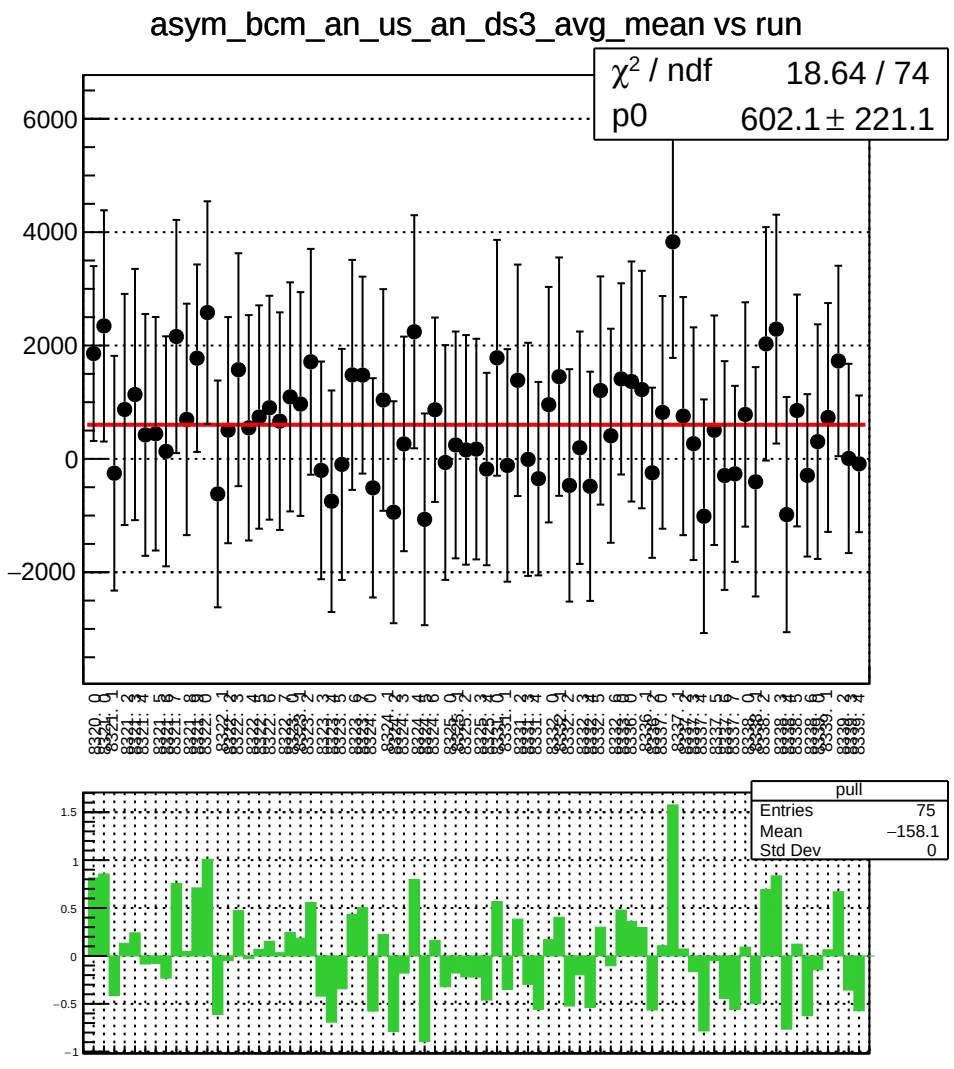

pull1D
Entries 75
Mean 0.009825
Std Dev 0.5018

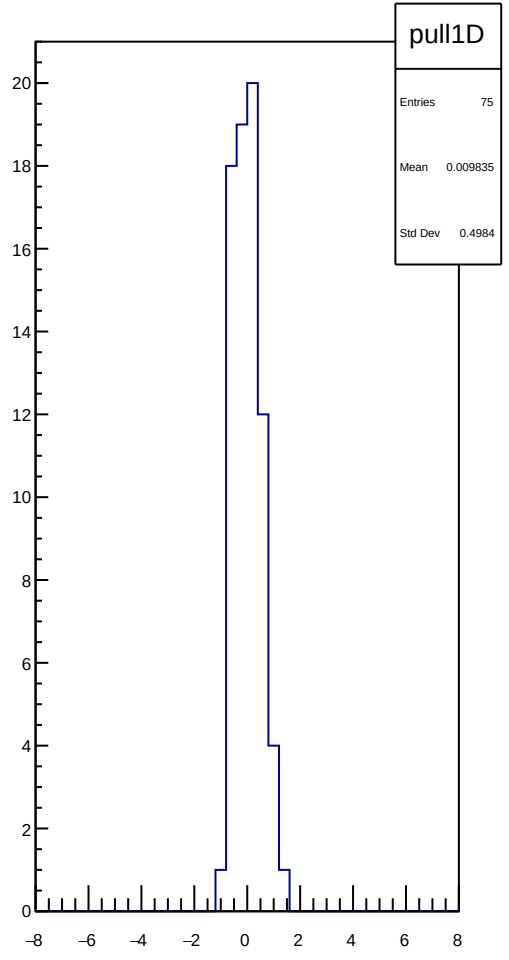

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 4356 / 74
p0 189.4 ± 0.156
210
200
190
180
170
160

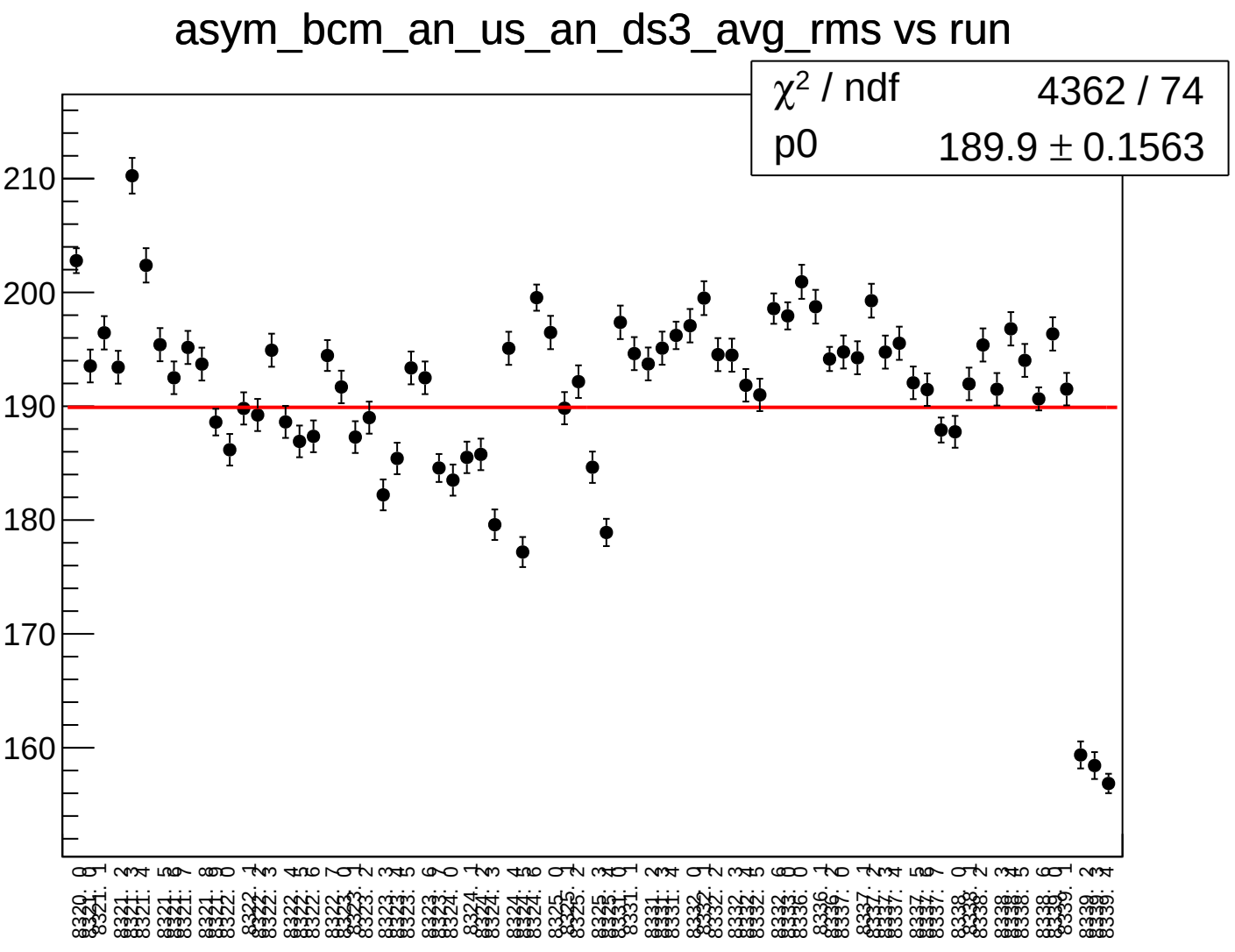

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 53.66 / 74
p0 −6.447 ± 11.5
pull
Entries 75
Mean −7.499
Std Dev 0

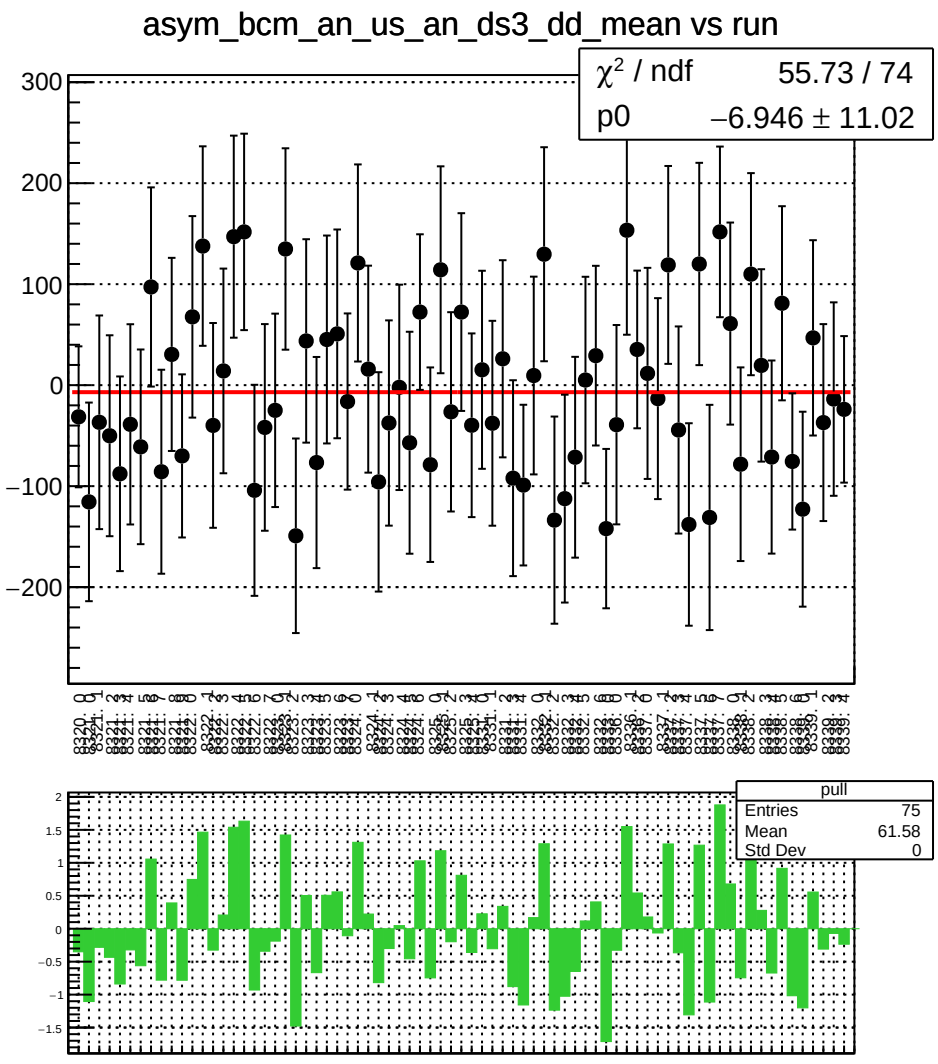

pull1D
Entries 75
Mean 0.006868
Std Dev 0.8458

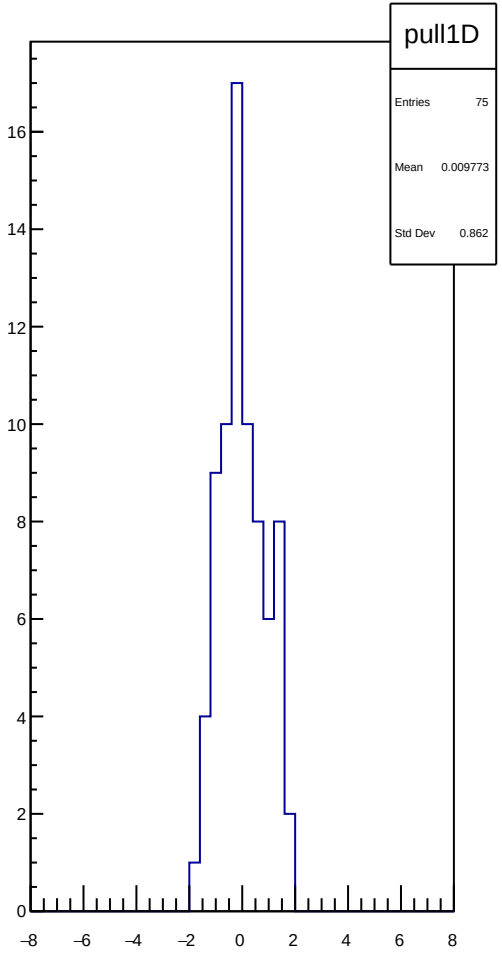

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 1780 / 74
p0 9.884 ± 0.008129
11.2
11
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2

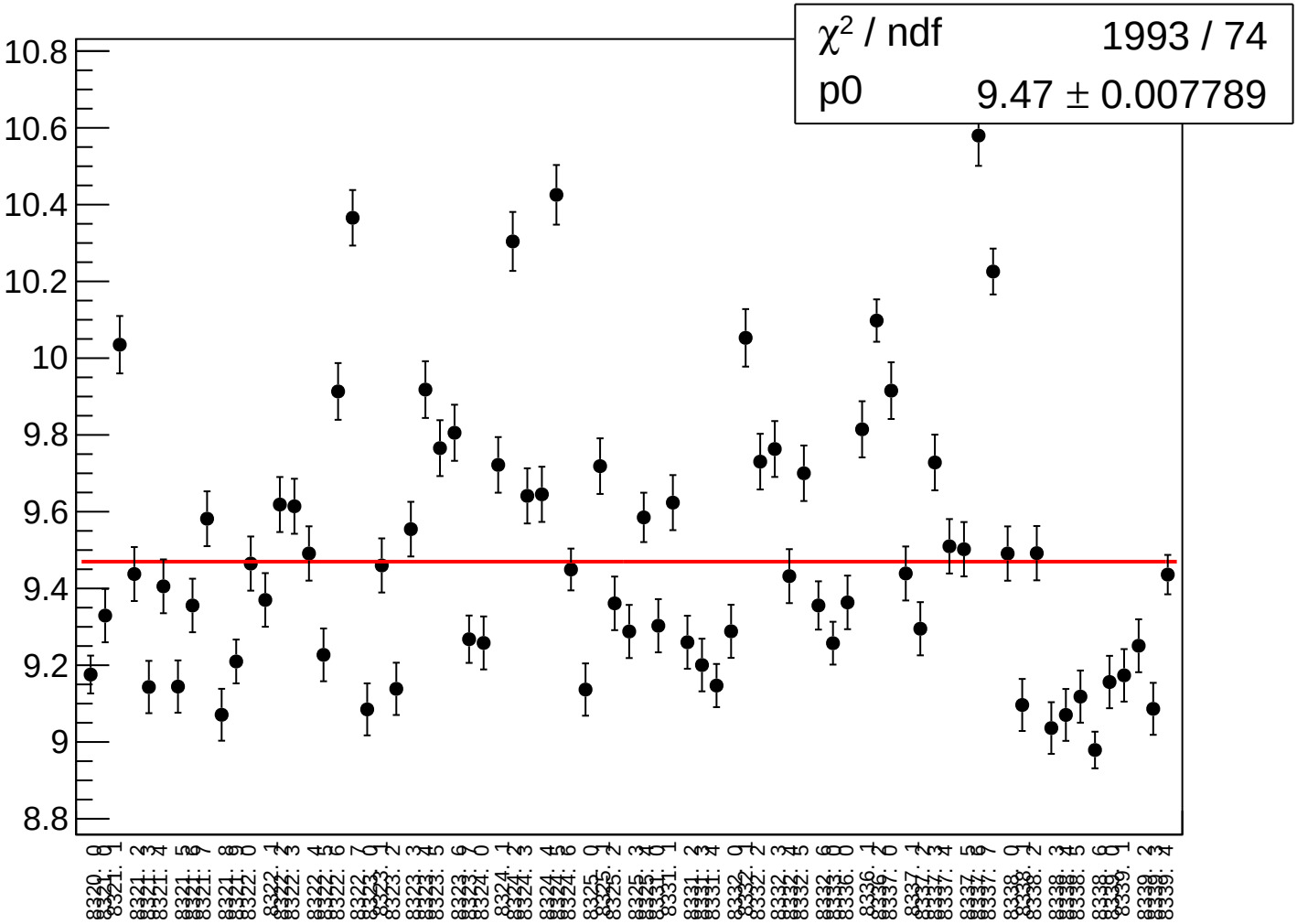

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 18.64 / 74
p0 602.1 ± 221.1
6000
4000
2000
0
−2000
pull
Entries 75
Mean −158.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

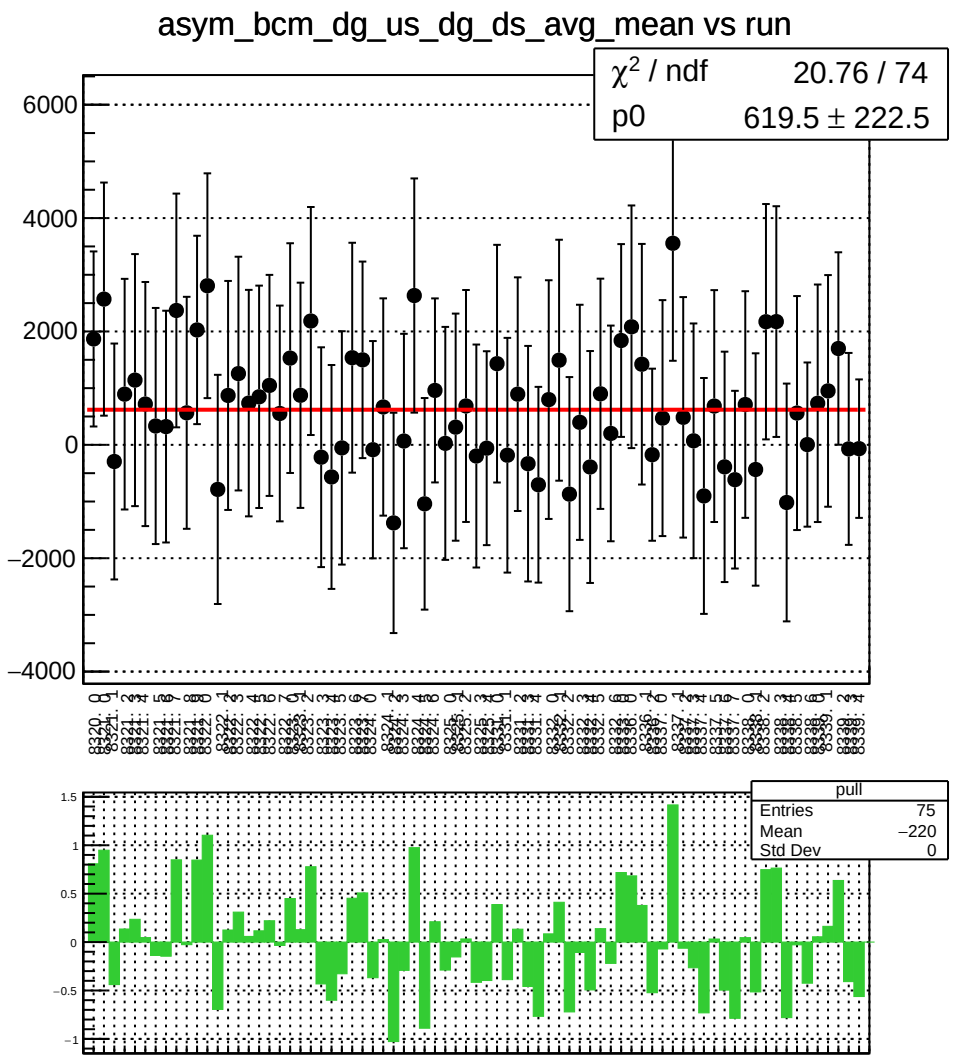

pull1D
Entries 75
Mean 0.009835
Std Dev 0.4984
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

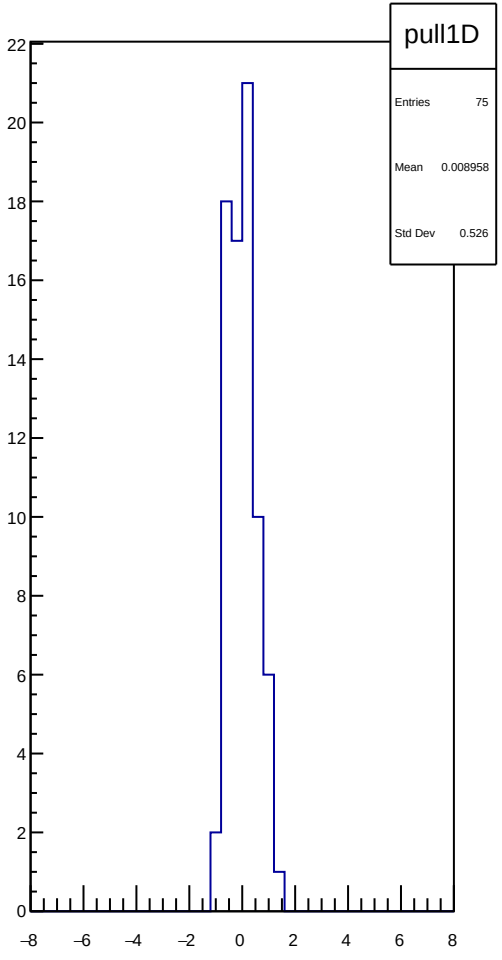

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 4362 / 74
p0 189.9 ± 0.1563
210
200
190
180
170
160

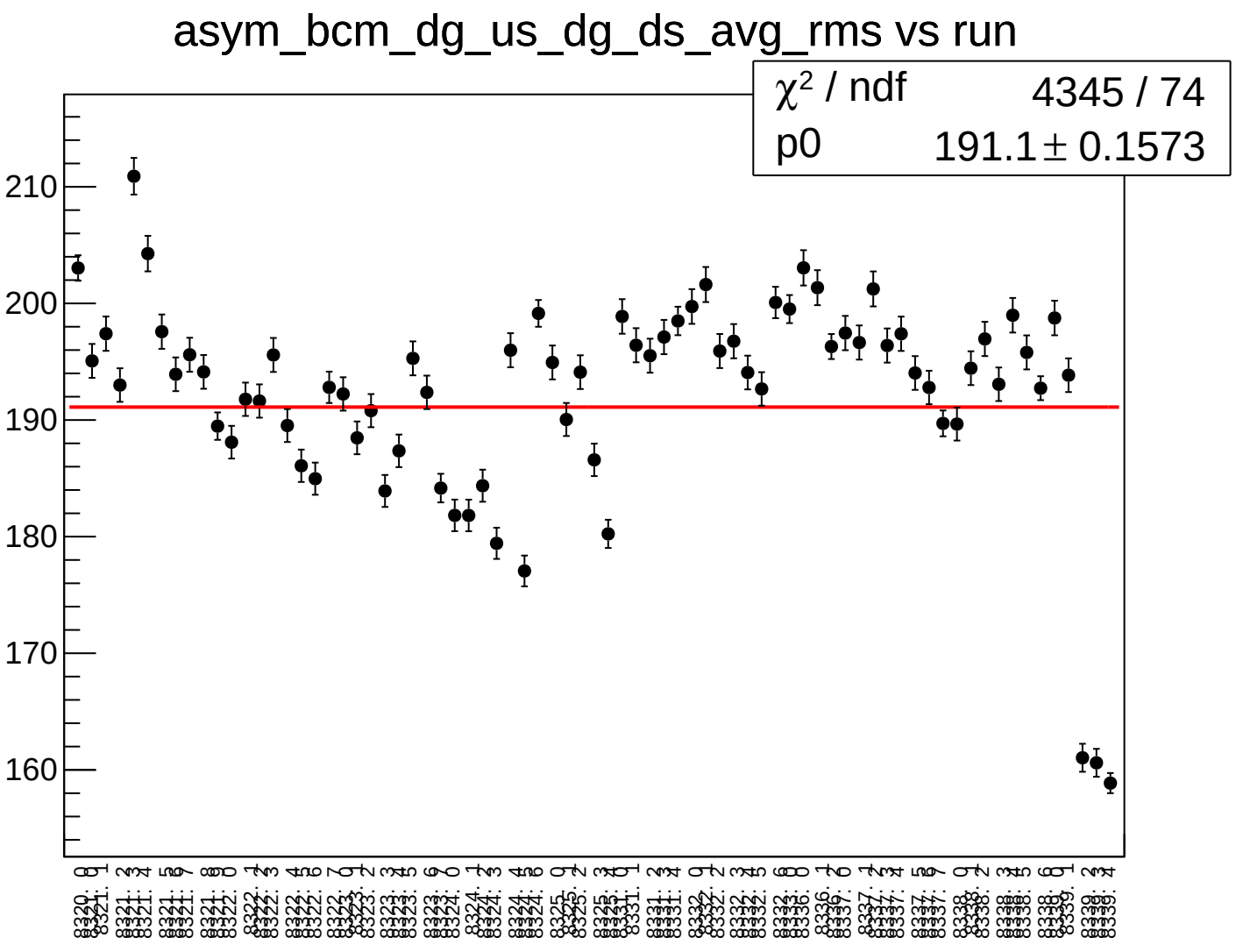

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 55.73 / 74
p0 −6.946 ± 11.02
pull
Entries 75
Mean 61.58
Std Dev 0

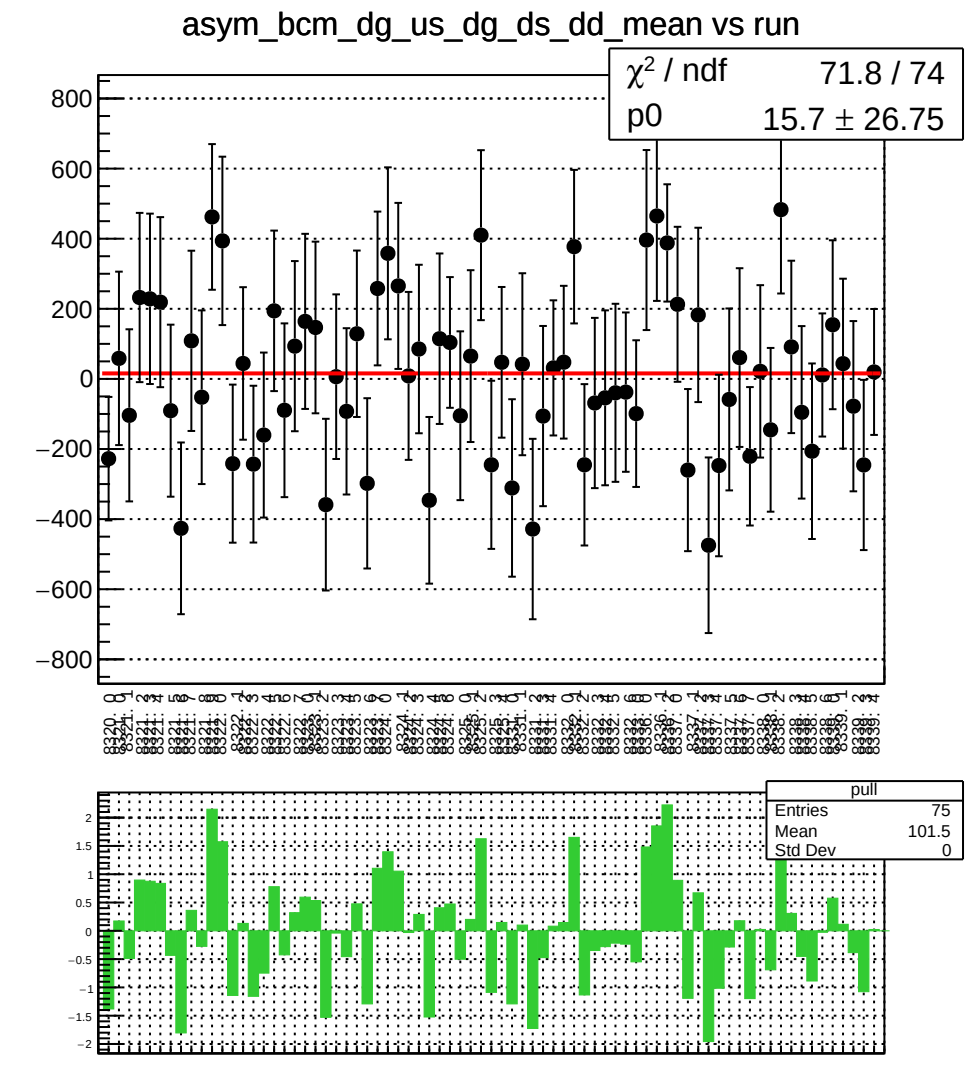

pull1D
Entries 75
Mean 0.009773
Std Dev 0.862

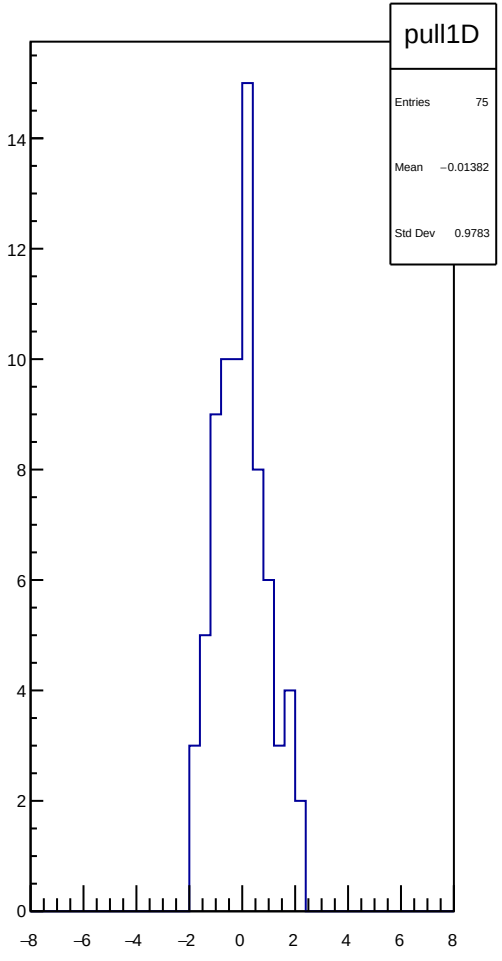

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 1993 / 74
p0 9.47 ± 0.007789
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
9
8.8

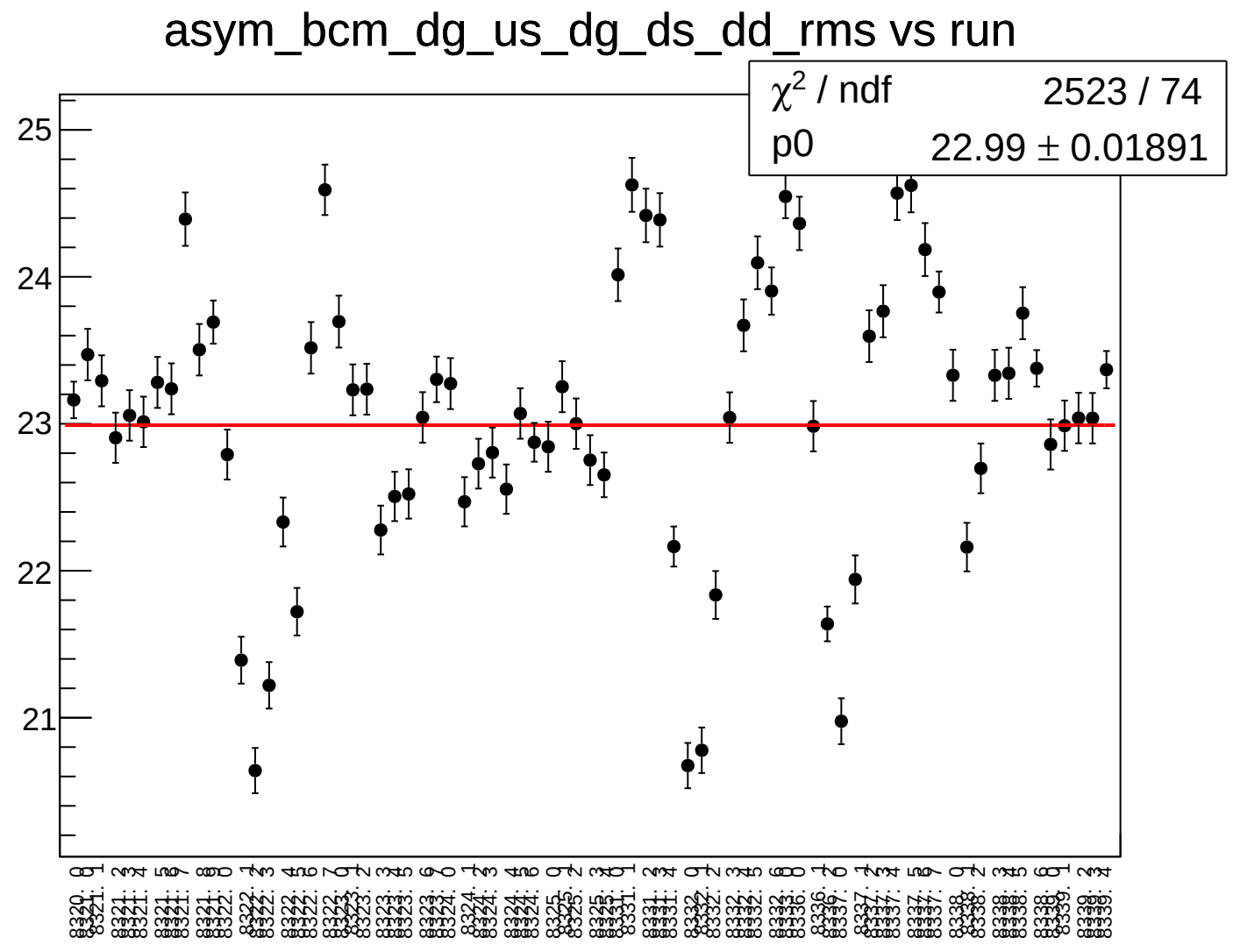

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 20.76 / 74
p0 619.5 ± 222.5
pull
Entries 75
Mean −220
Std Dev 0

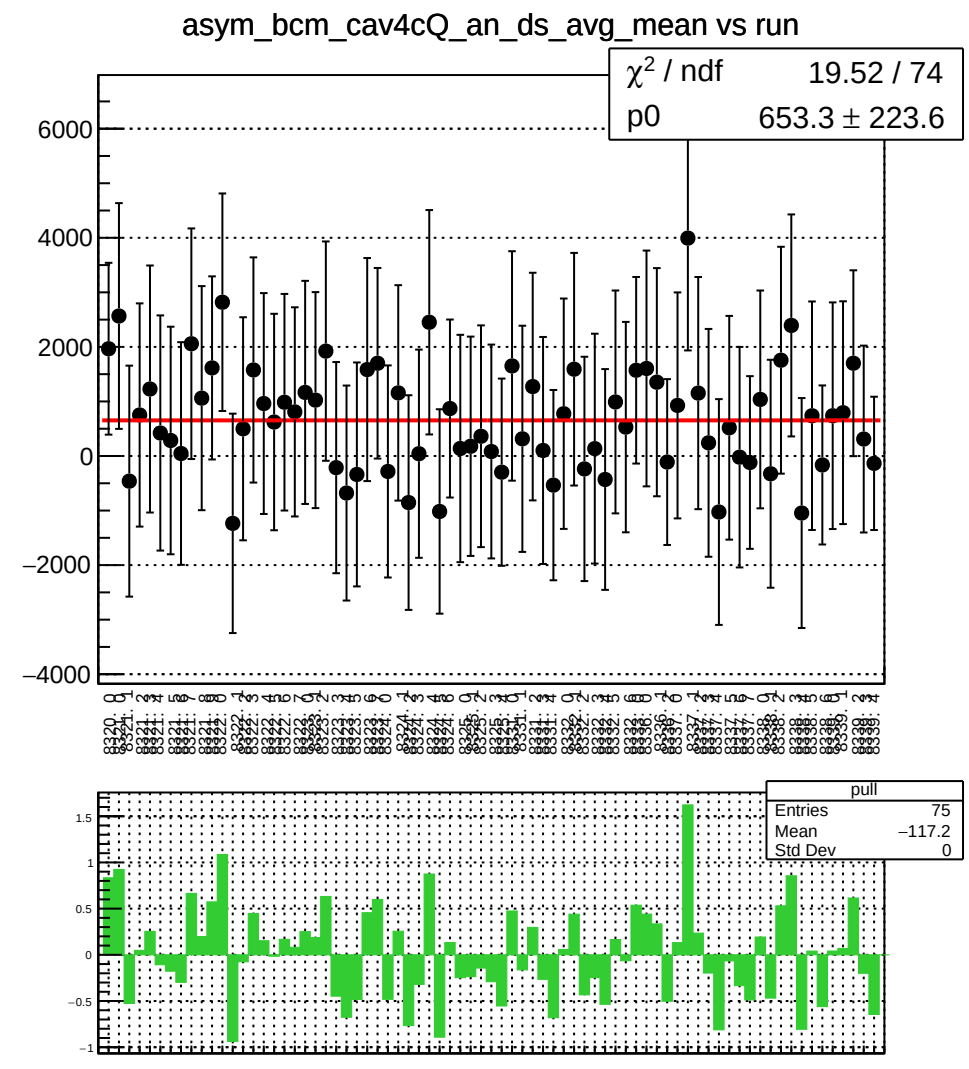

pull1D
Entries 75
Mean 0.008958
Std Dev 0.526

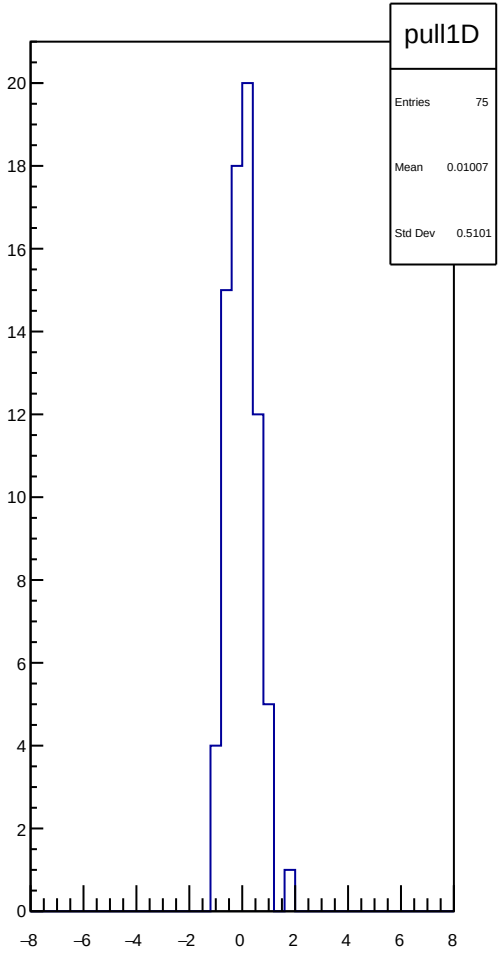

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 4345 / 74
p0 191.1 ± 0.1573
210
200
190
180
170
160

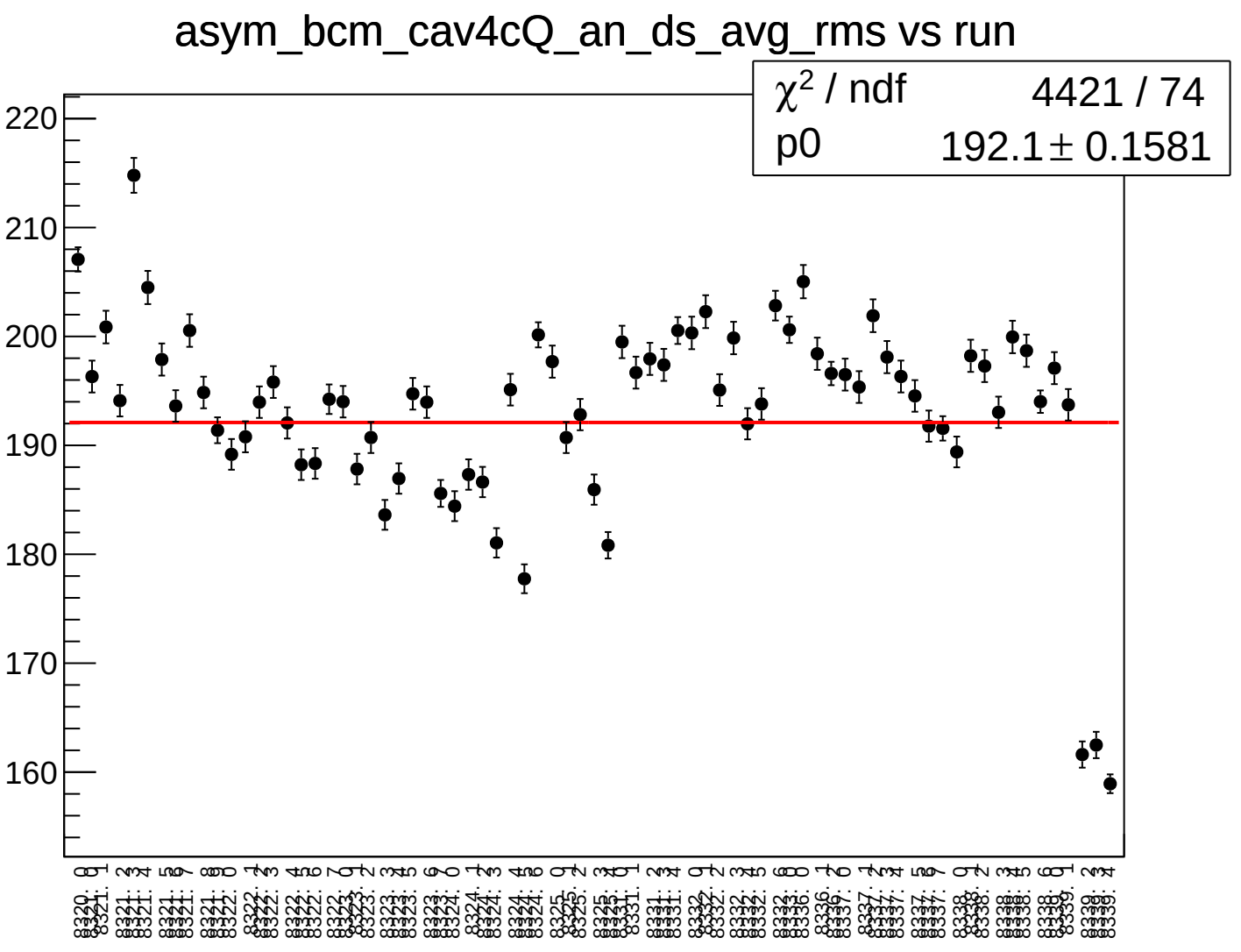

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 71.8 / 74
p0 15.7 ± 26.75
pull
Entries 75
Mean 101.5
Std Dev 0

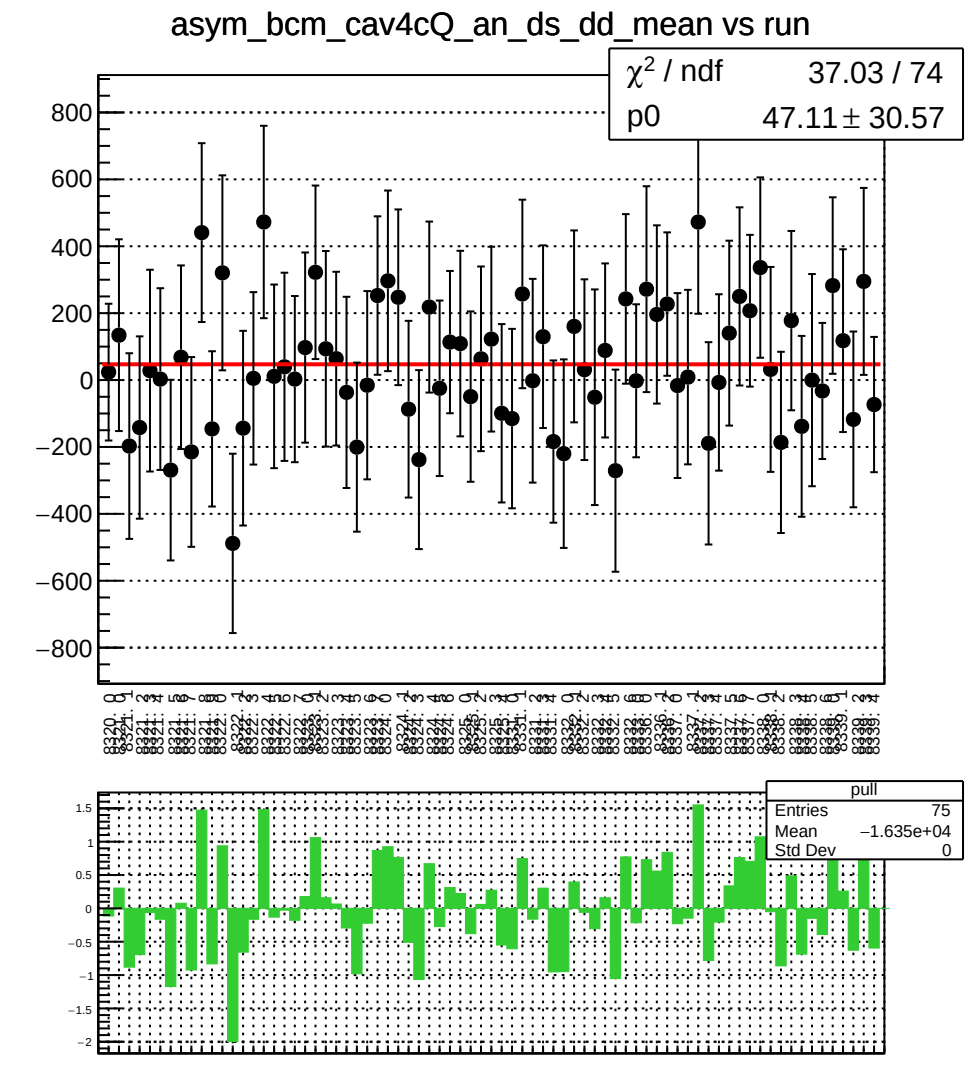

pull1D
Entries 75
Mean −0.01382
Std Dev 0.9783

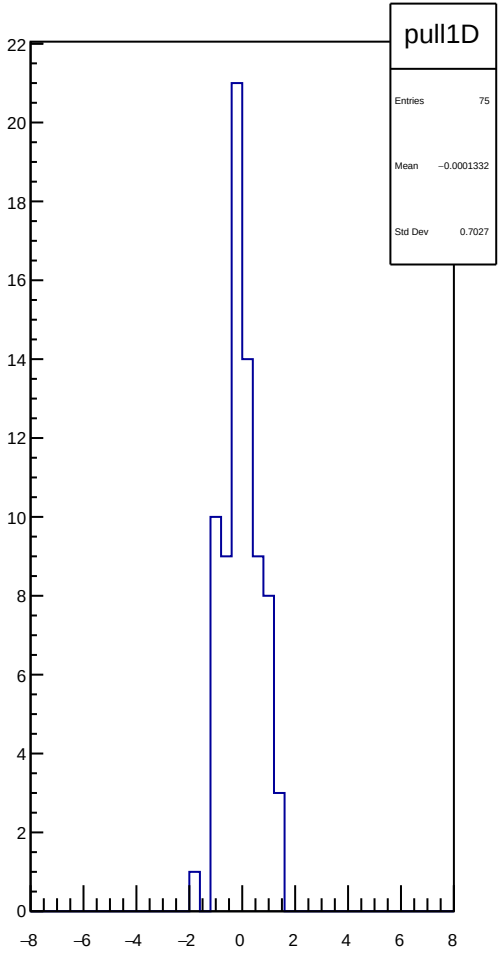

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2523 / 74
p0 22.99 ± 0.01891
25
24
23
22
21

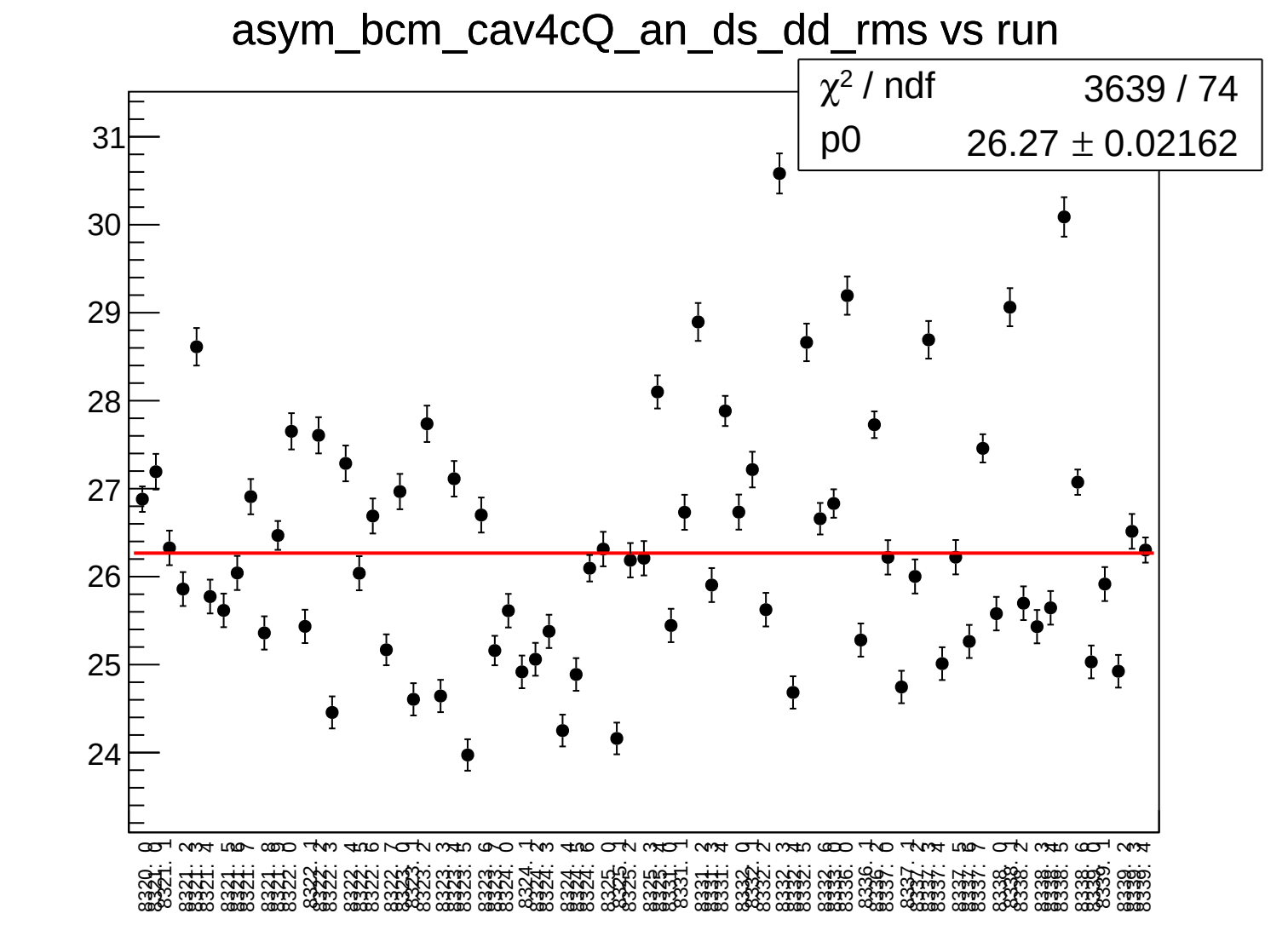

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 19.52 / 74
p0 653.3 ± 223.6
pull
Entries 75
Mean −117.2
Std Dev 0

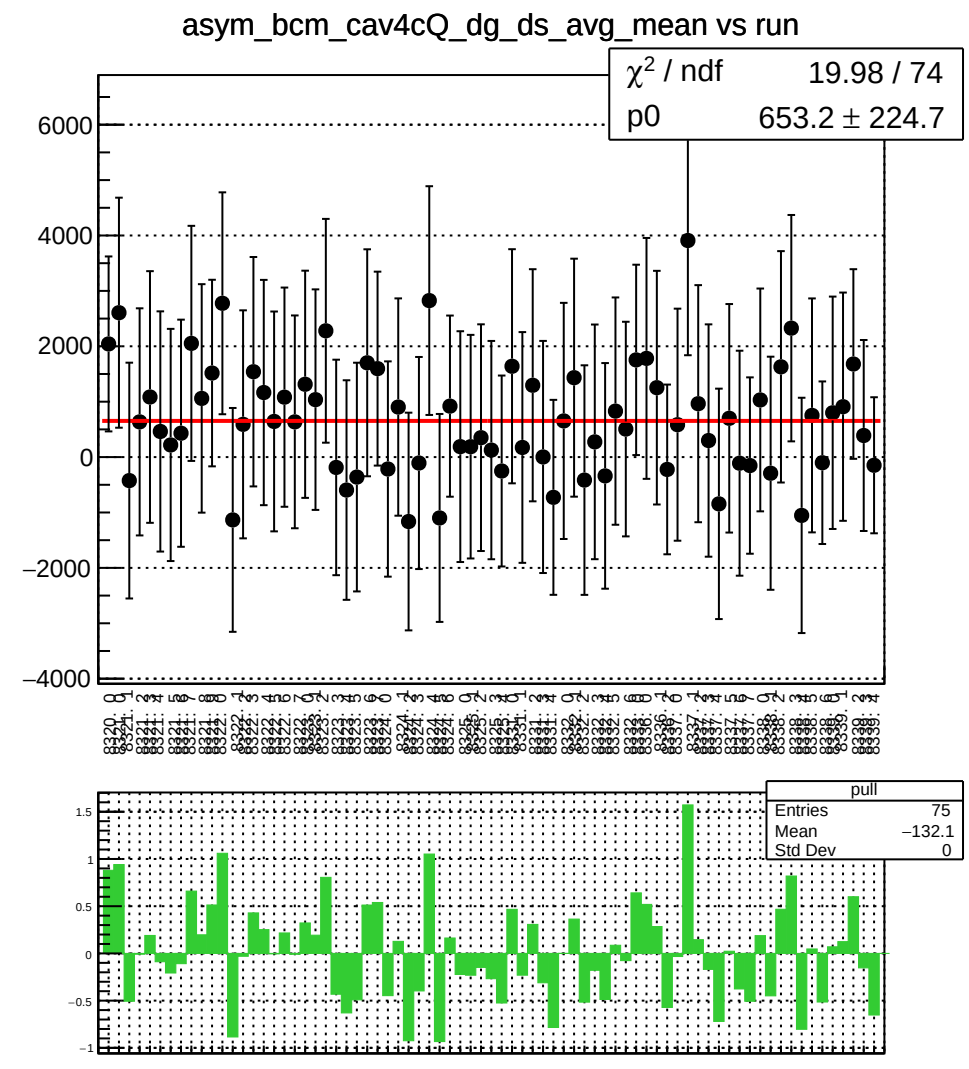

pull1D
Entries 75
Mean 0.01007
Std Dev 0.5101

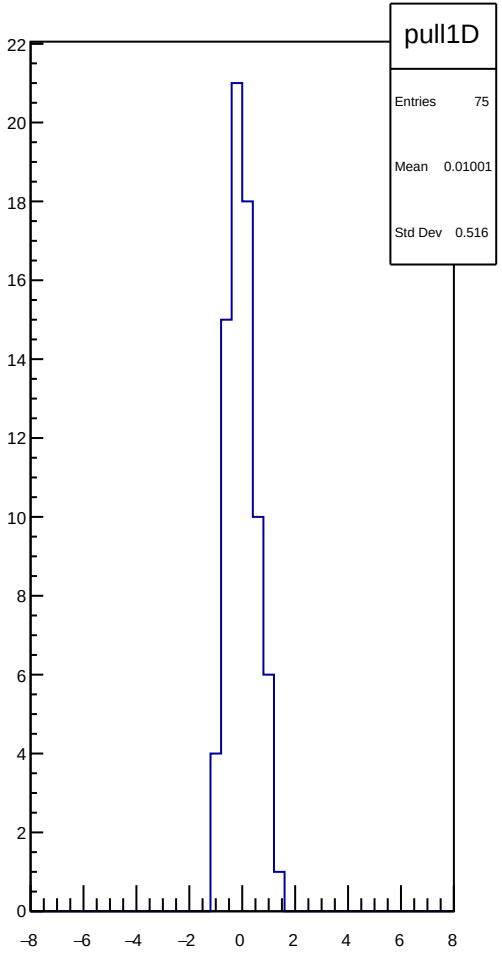

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 4421 / 74
p0 192.1 ± 0.1581
220
210
200
190
180
170
160

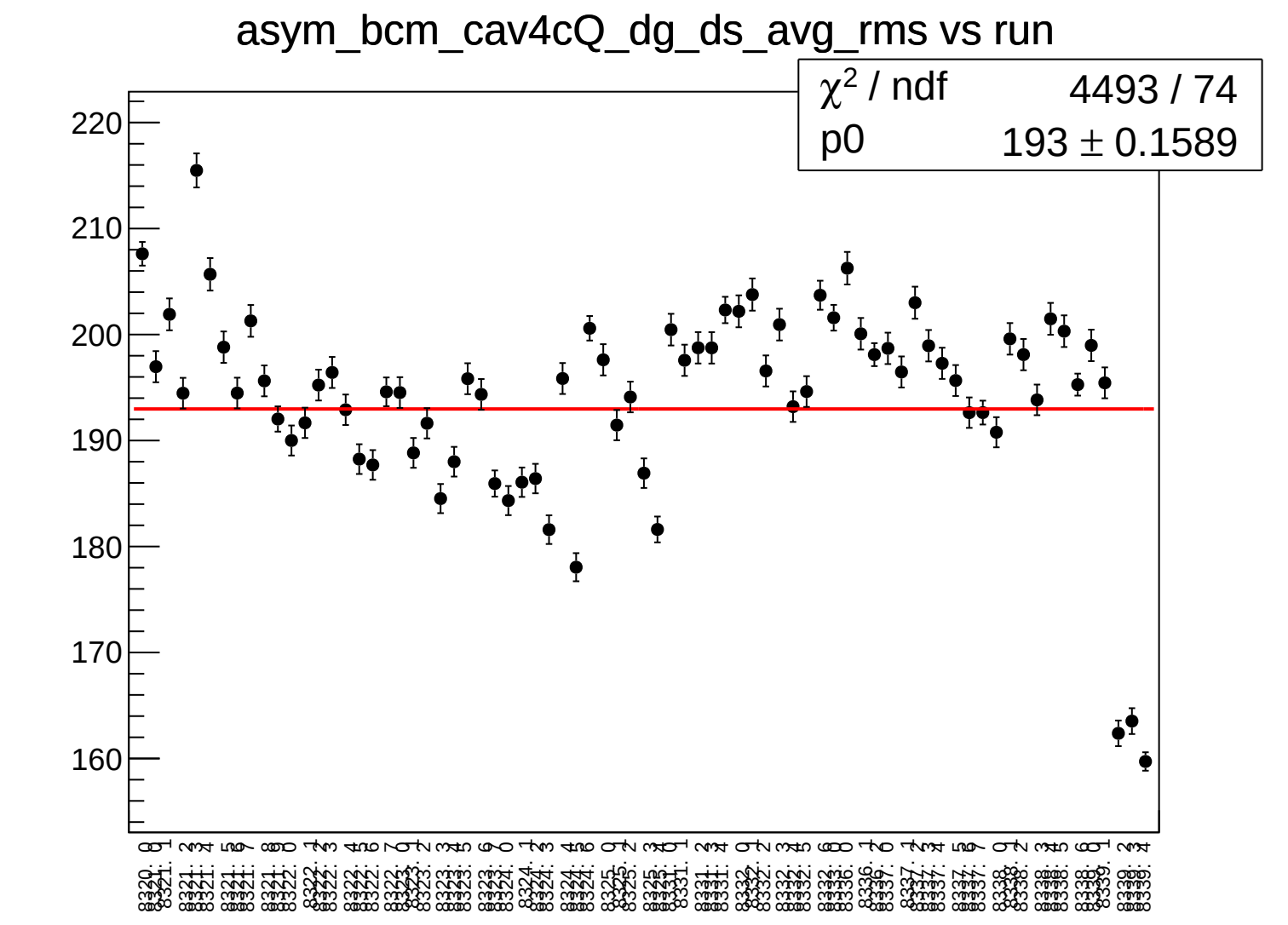

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 37.03 / 74
p0 47.11 ± 30.57
pull
Entries 75
Mean −1.635e+04
Std Dev 0

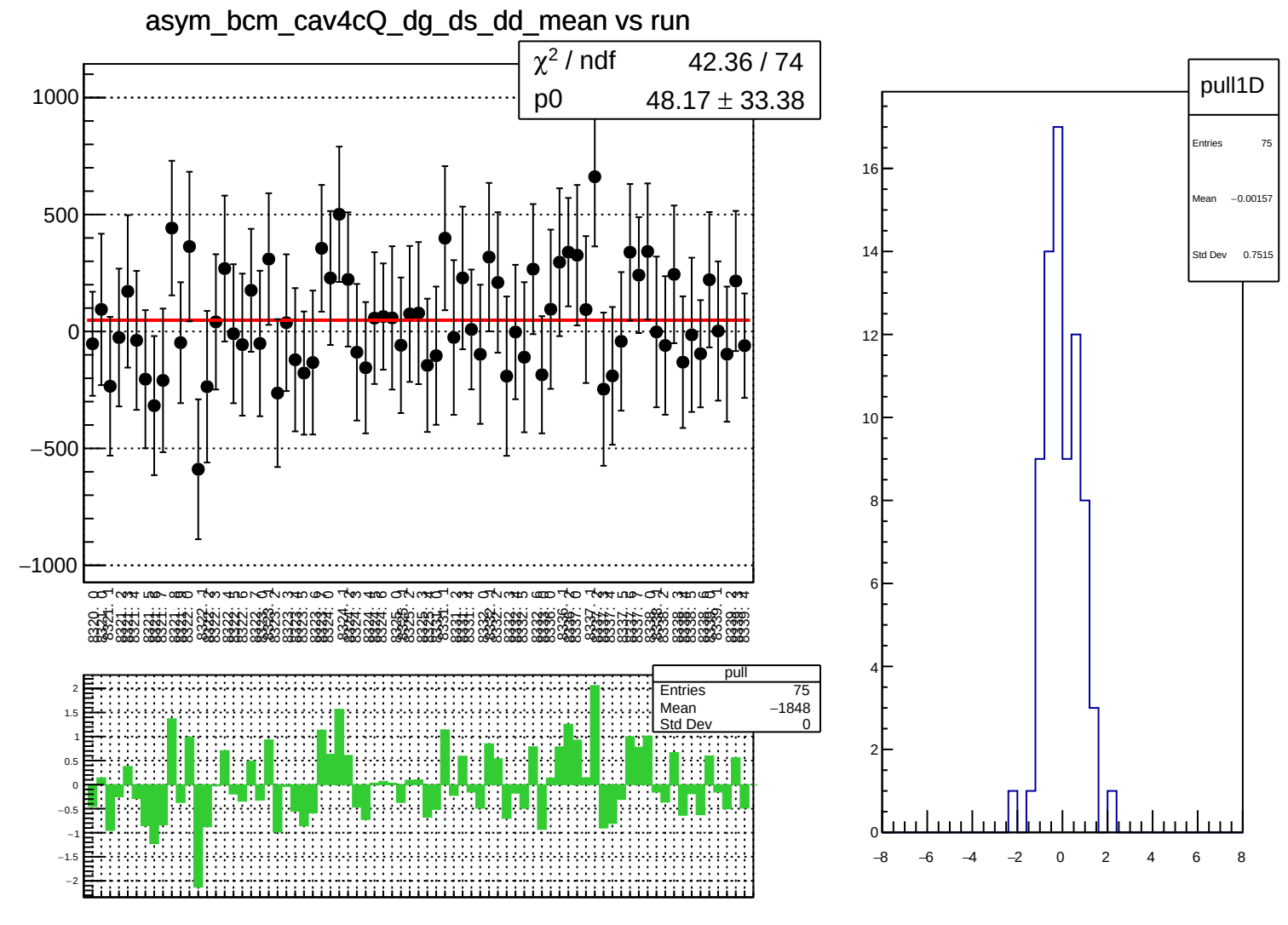

pull1D
Entries 75
Mean −0.0001332
Std Dev 0.7027

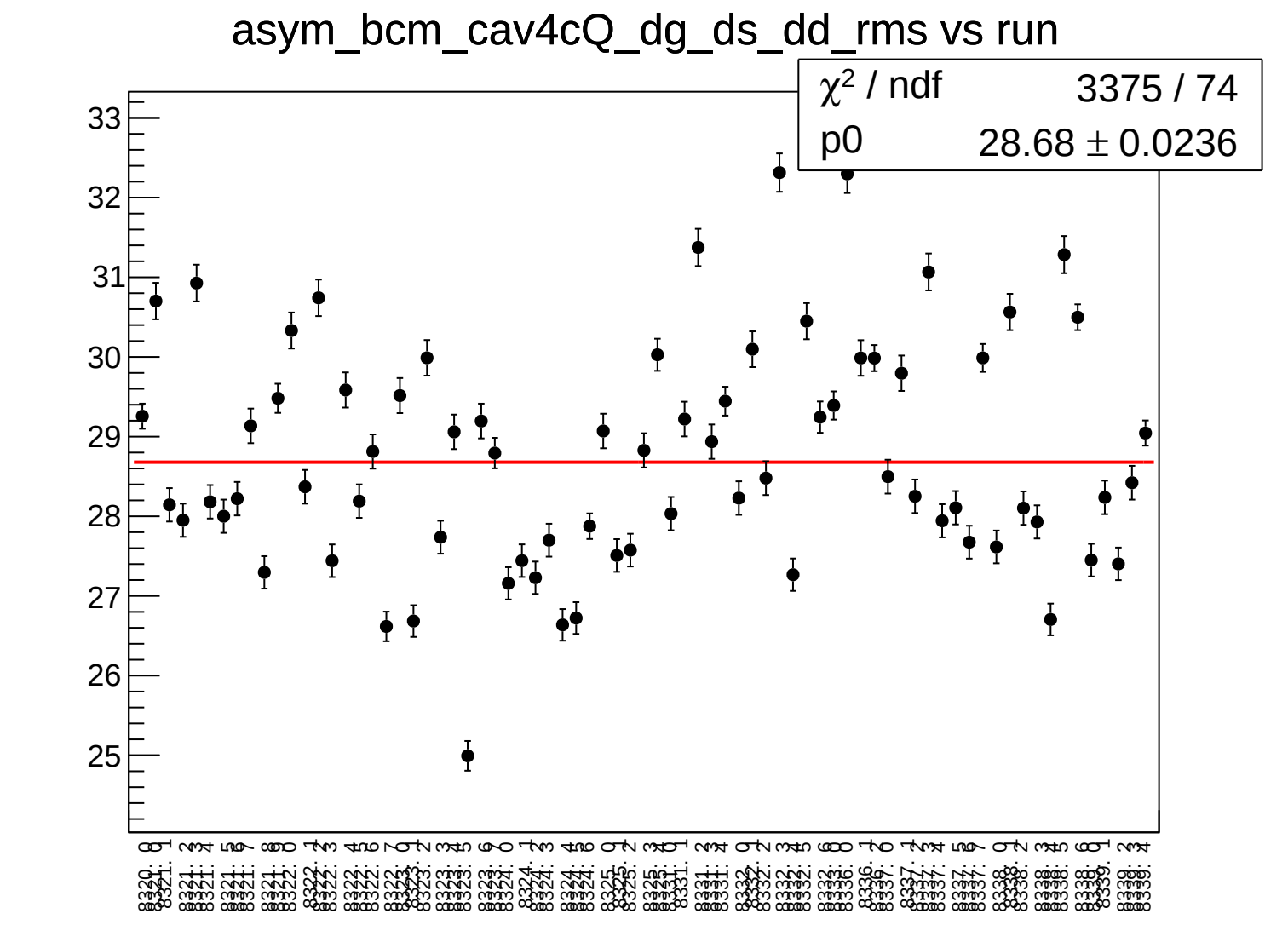

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 3639 / 74
p0 26.27 ± 0.02162
31
30
29
28
27
26
25
24

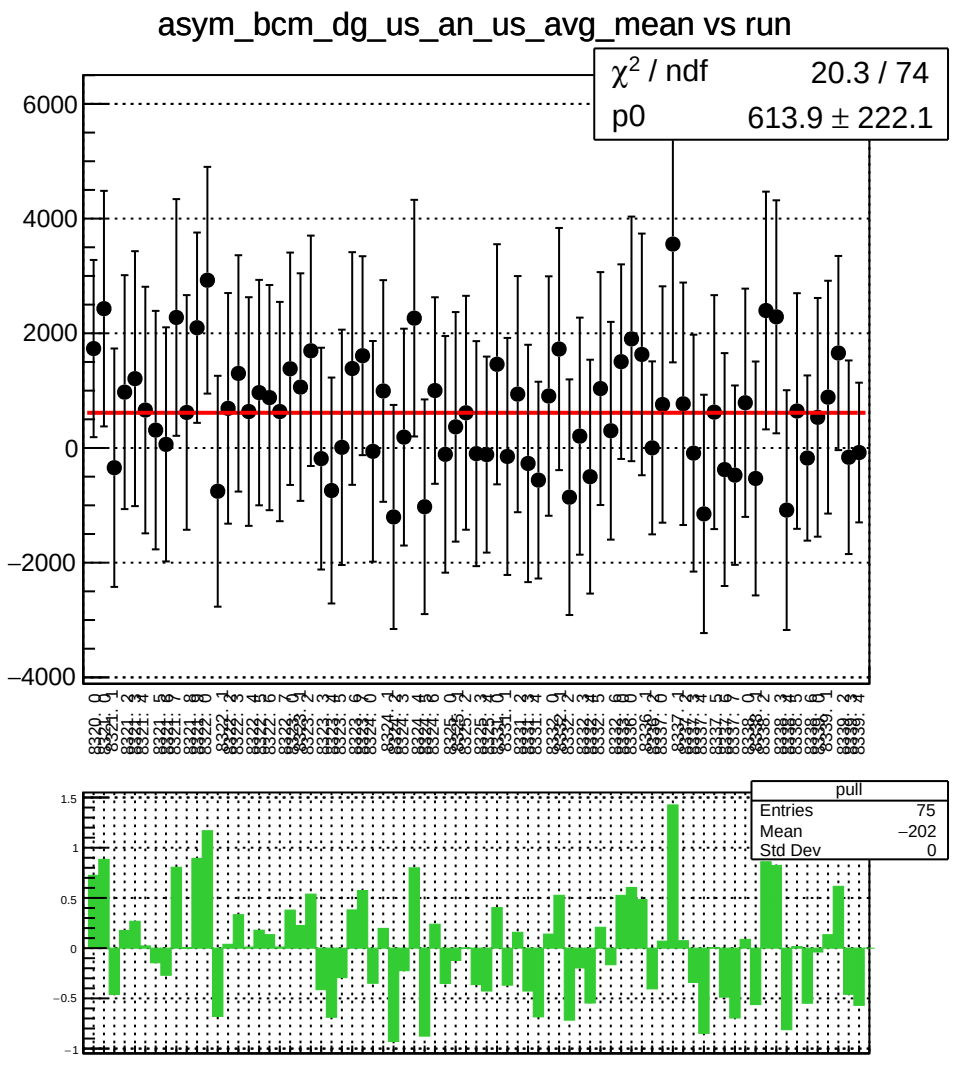

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 19.98 / 74
p0 653.2 ± 224.7
pull
Entries 75
Mean −132.1
Std Dev 0

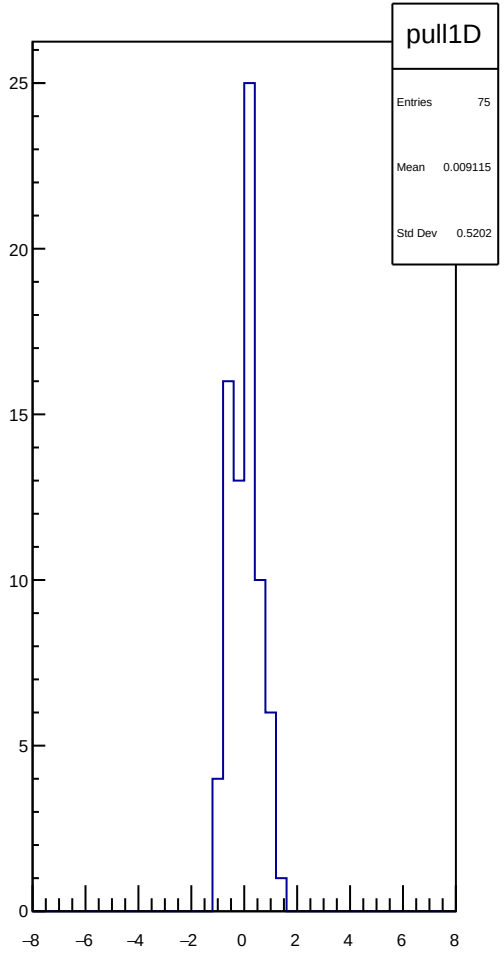

pull1D
Entries 75
Mean 0.01001
Std Dev 0.516

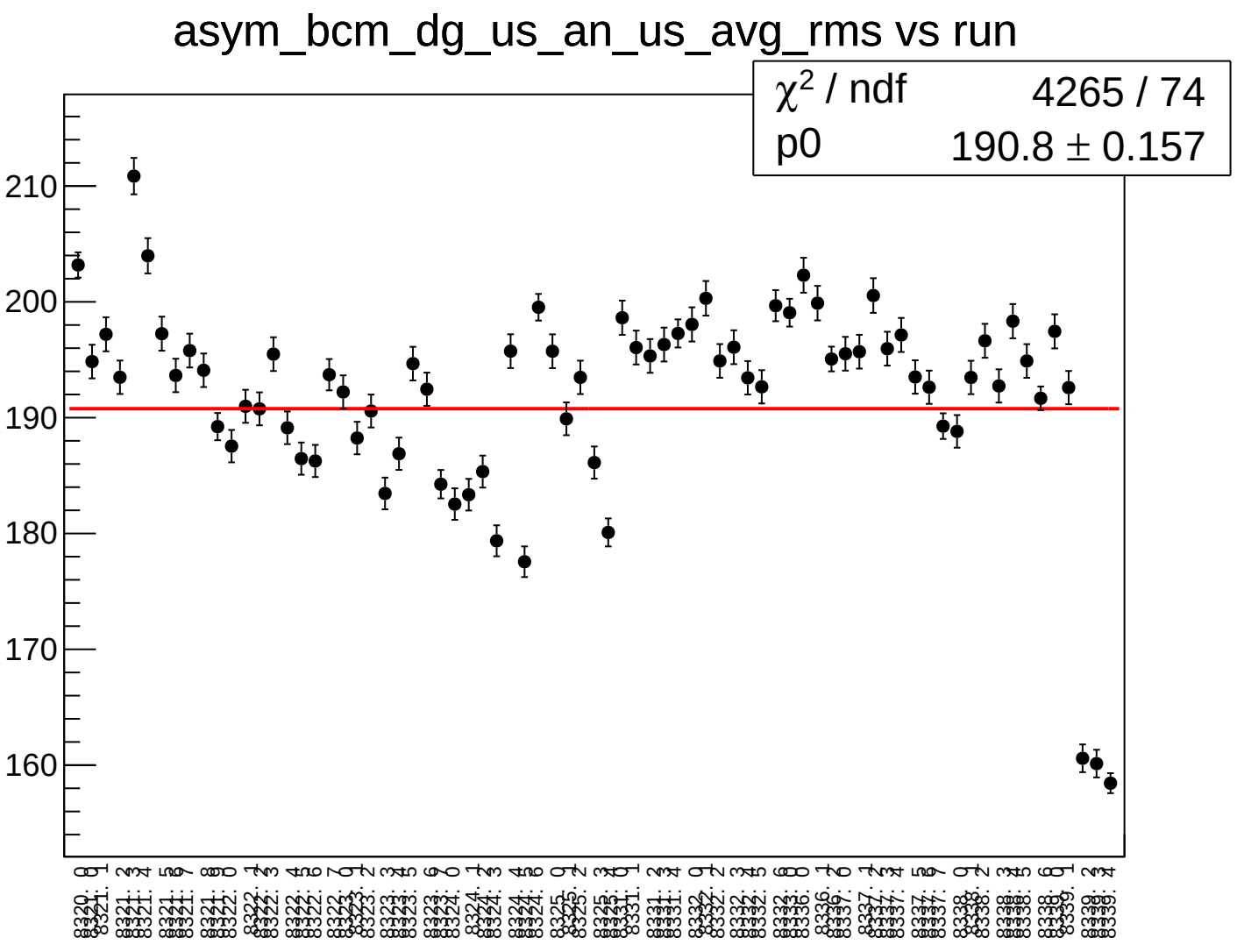

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 4493 / 74
p0 193 ± 0.1589
220
210
200
190
180
170
160

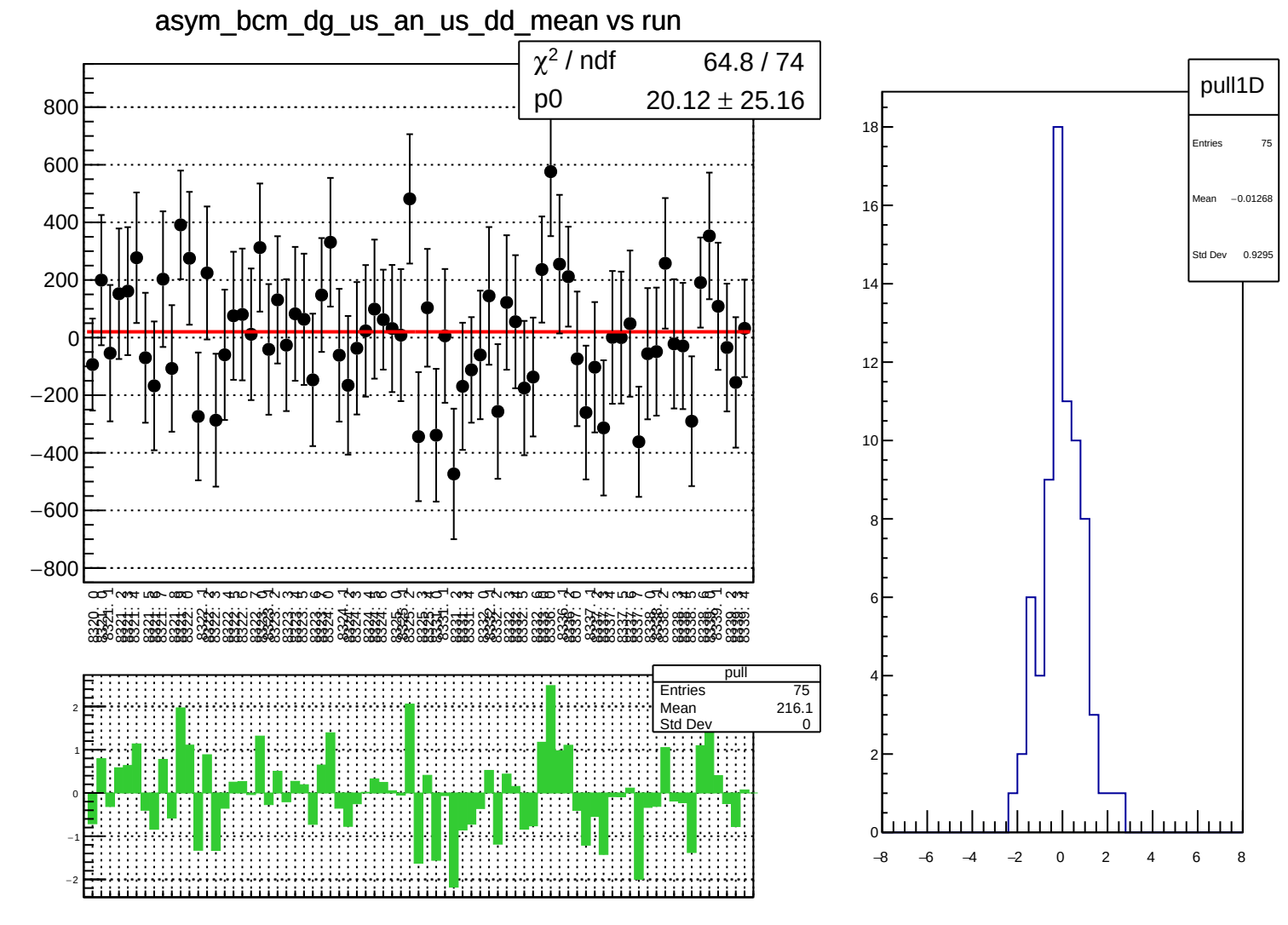

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 42.36 / 74
p0 48.17 ± 33.38
1000
500
0
−500
−1000
pull
Entries 75
Mean −1848
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 75
Mean −0.00157
Std Dev 0.7515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

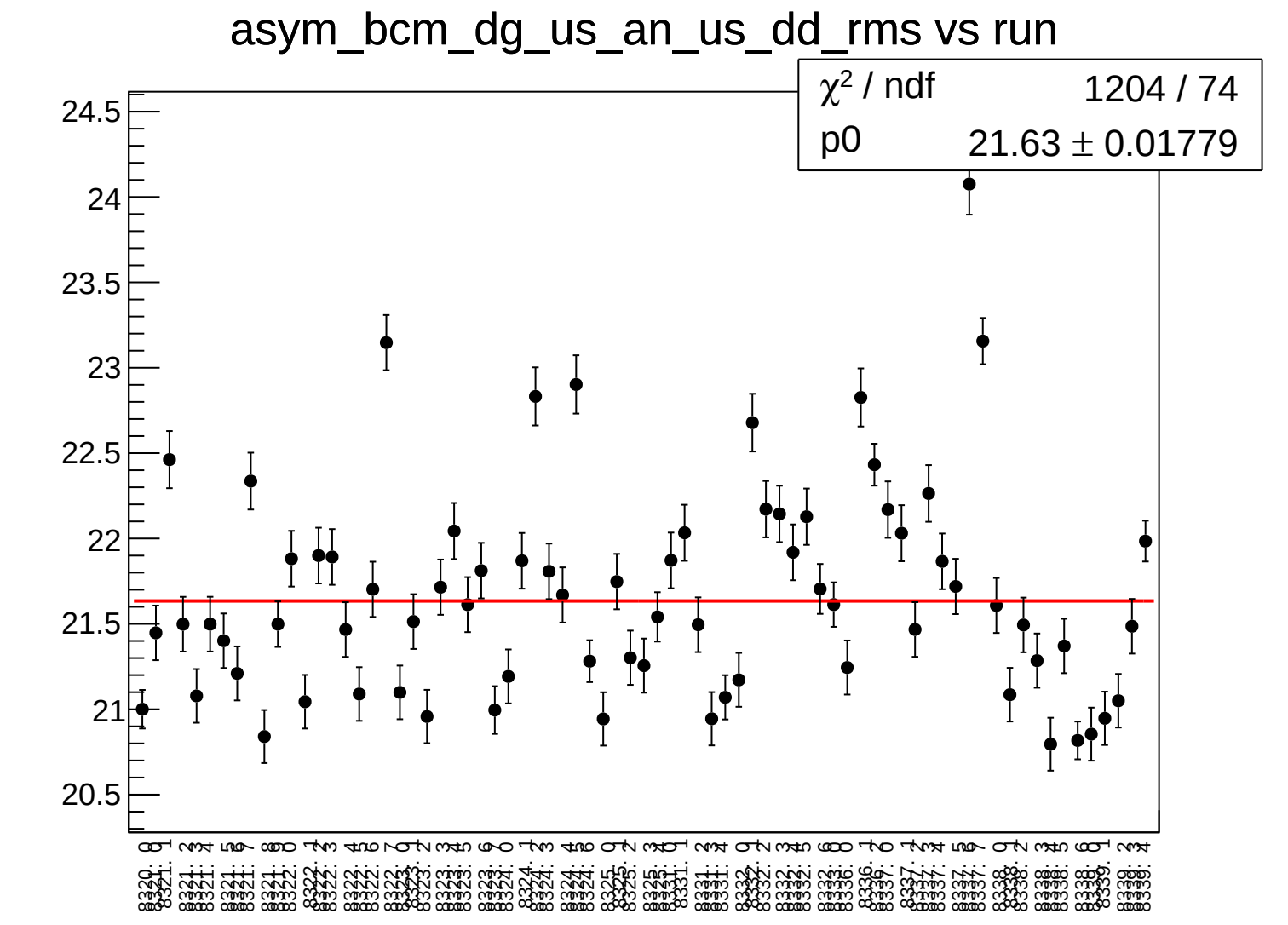

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 3375 / 74
p0 28.68 ± 0.0236
33
32
31
30
29
28
27
26
25

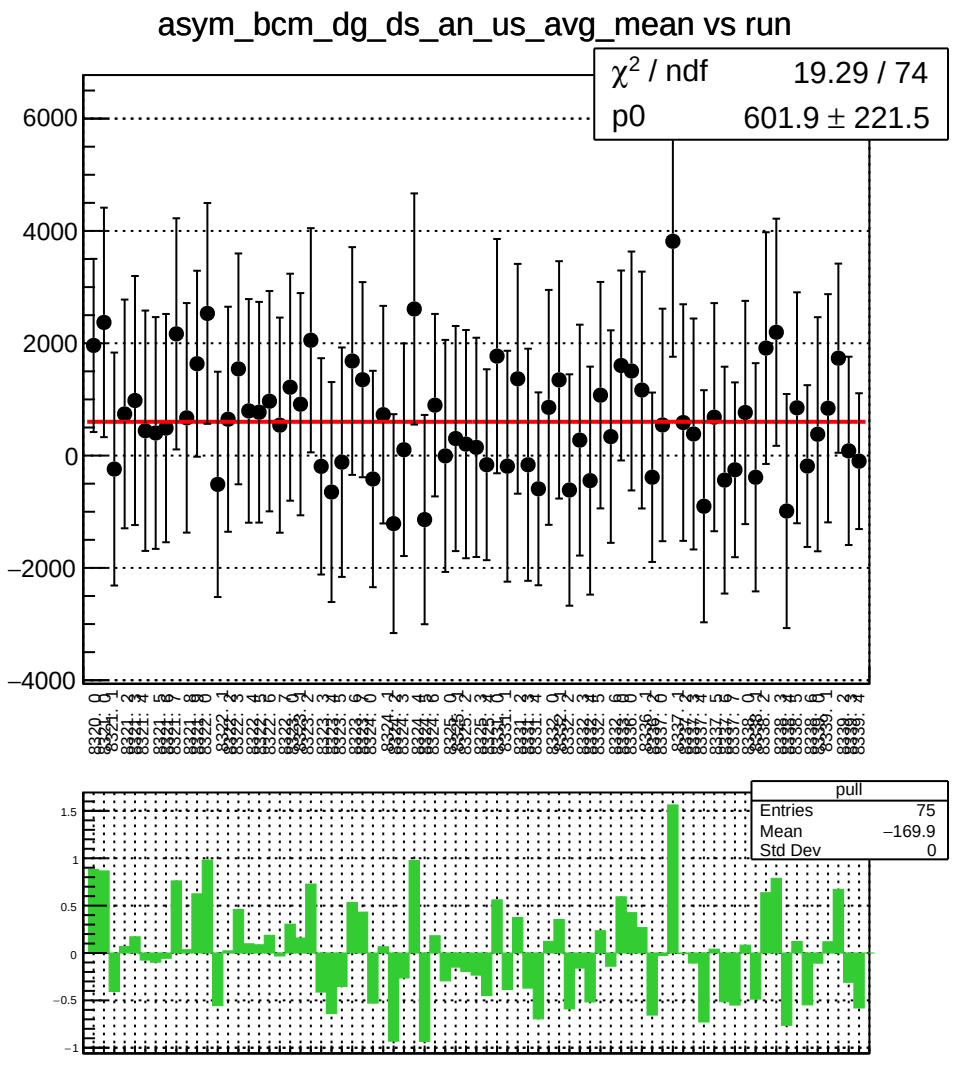

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 20.3 / 74
p0 613.9 ± 222.1
6000
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −202
Std Dev 0
1.5
1
0.5
0
−0.5
−1

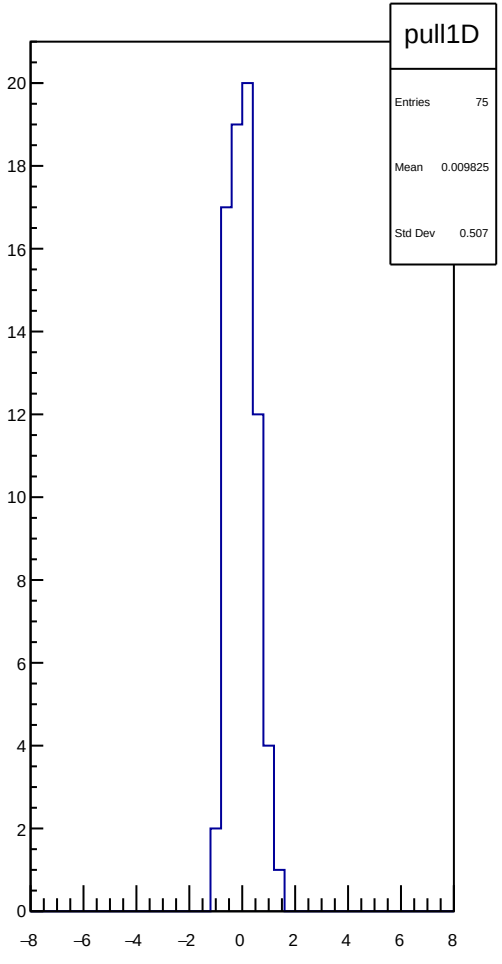

pull1D
Entries 75
Mean 0.009115
Std Dev 0.5202
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

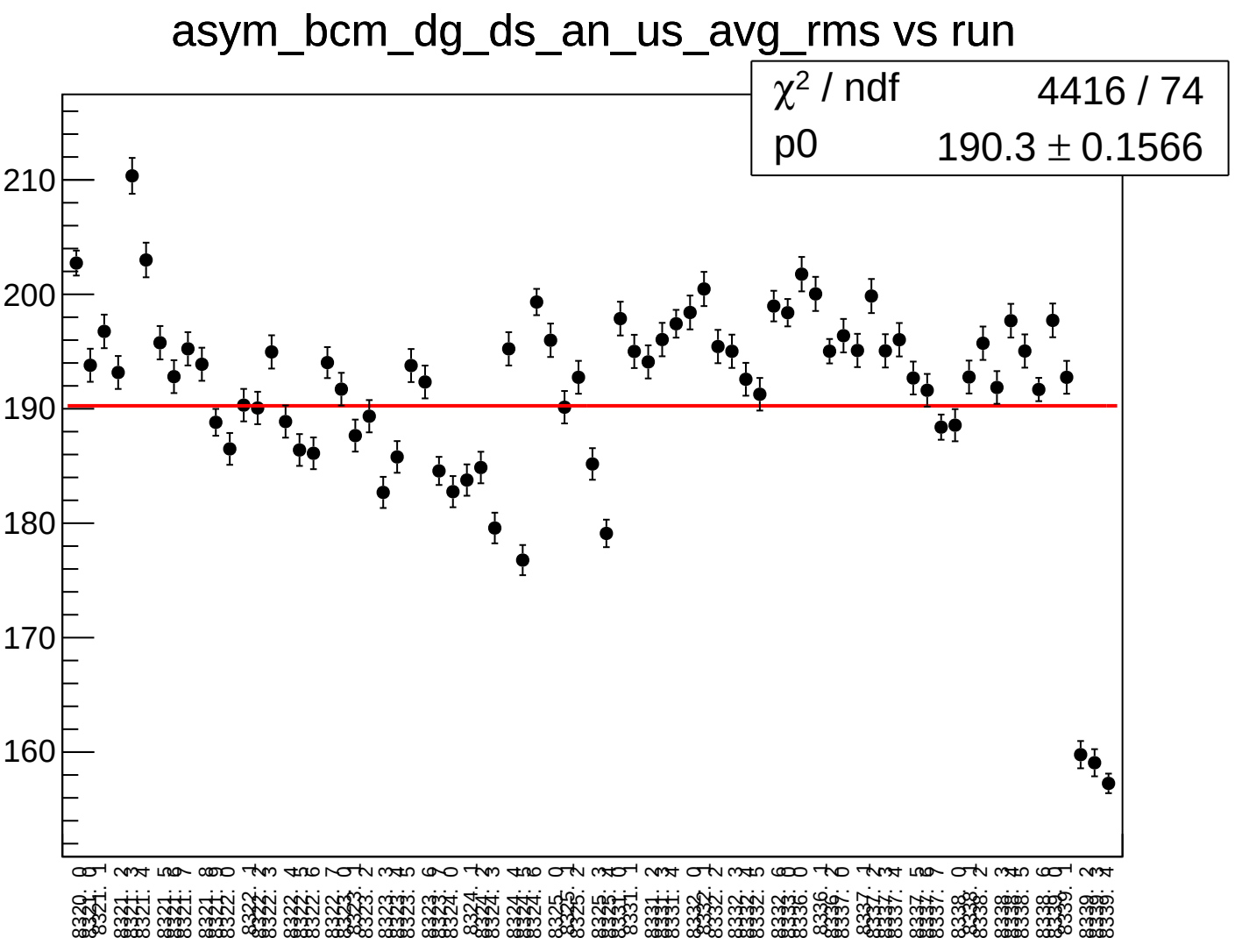

asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 4265 / 74
p0 190.8 ± 0.157
210
200
190
180
170
160

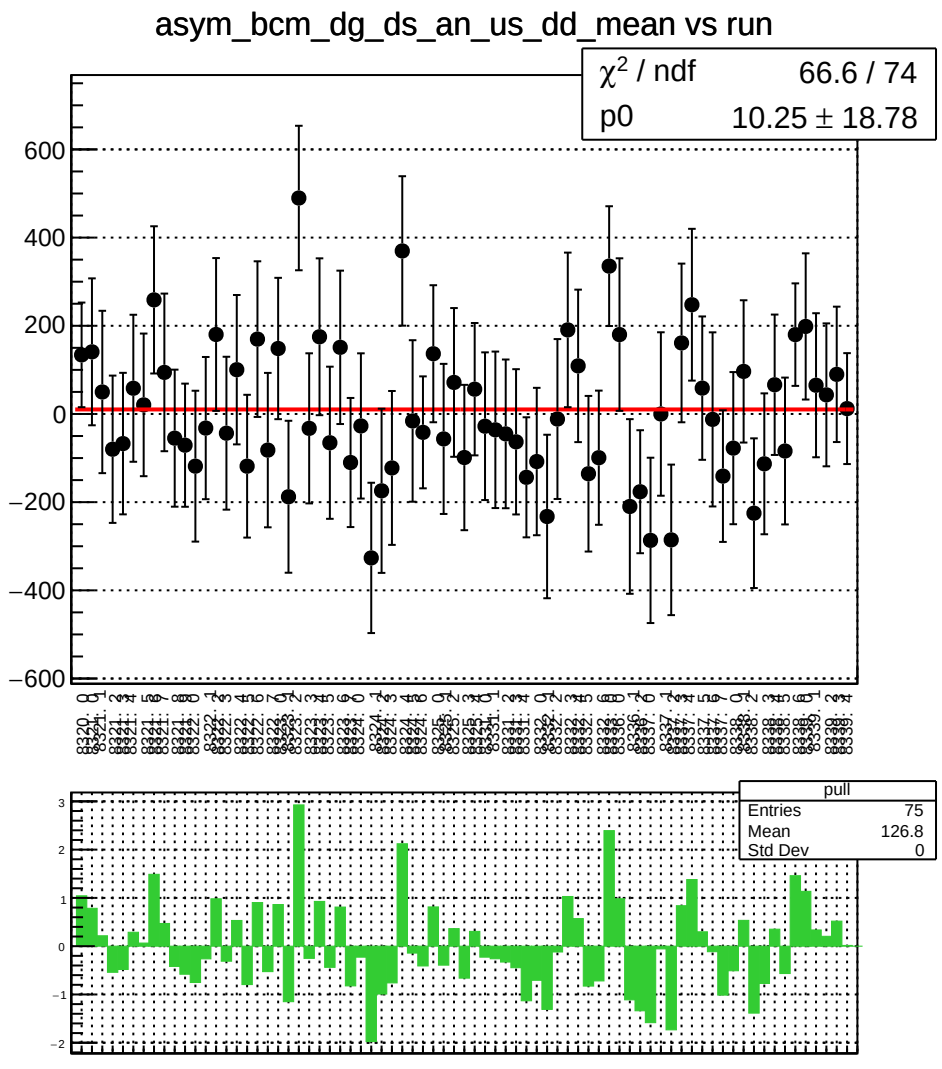

asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 64.8 / 74
p0 20.12 ± 25.16
pull
Entries 75
Mean 216.1
Std Dev 0
pull1D
Entries 75
Mean −0.01268
Std Dev 0.9295

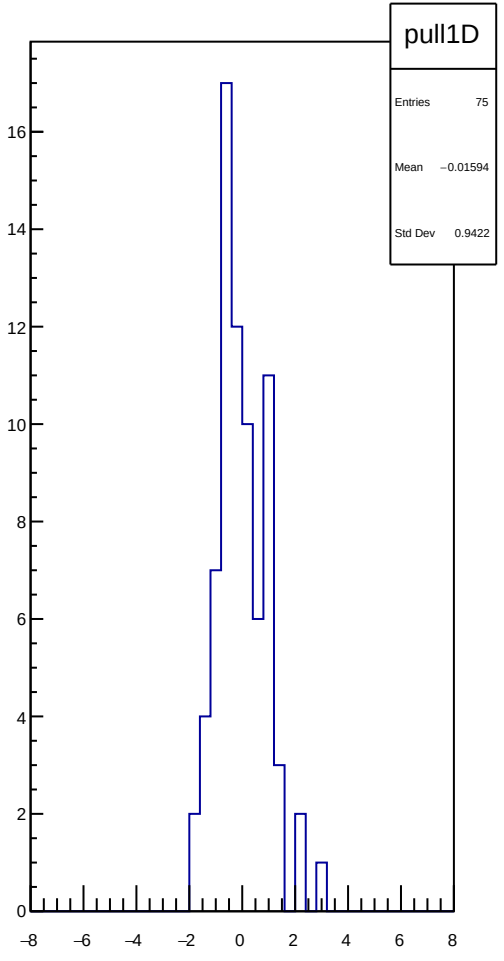

asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 1204 / 74
p0 21.63 ± 0.01779
24.5
24
23.5
23
22.5
22
21.5
21
20.5

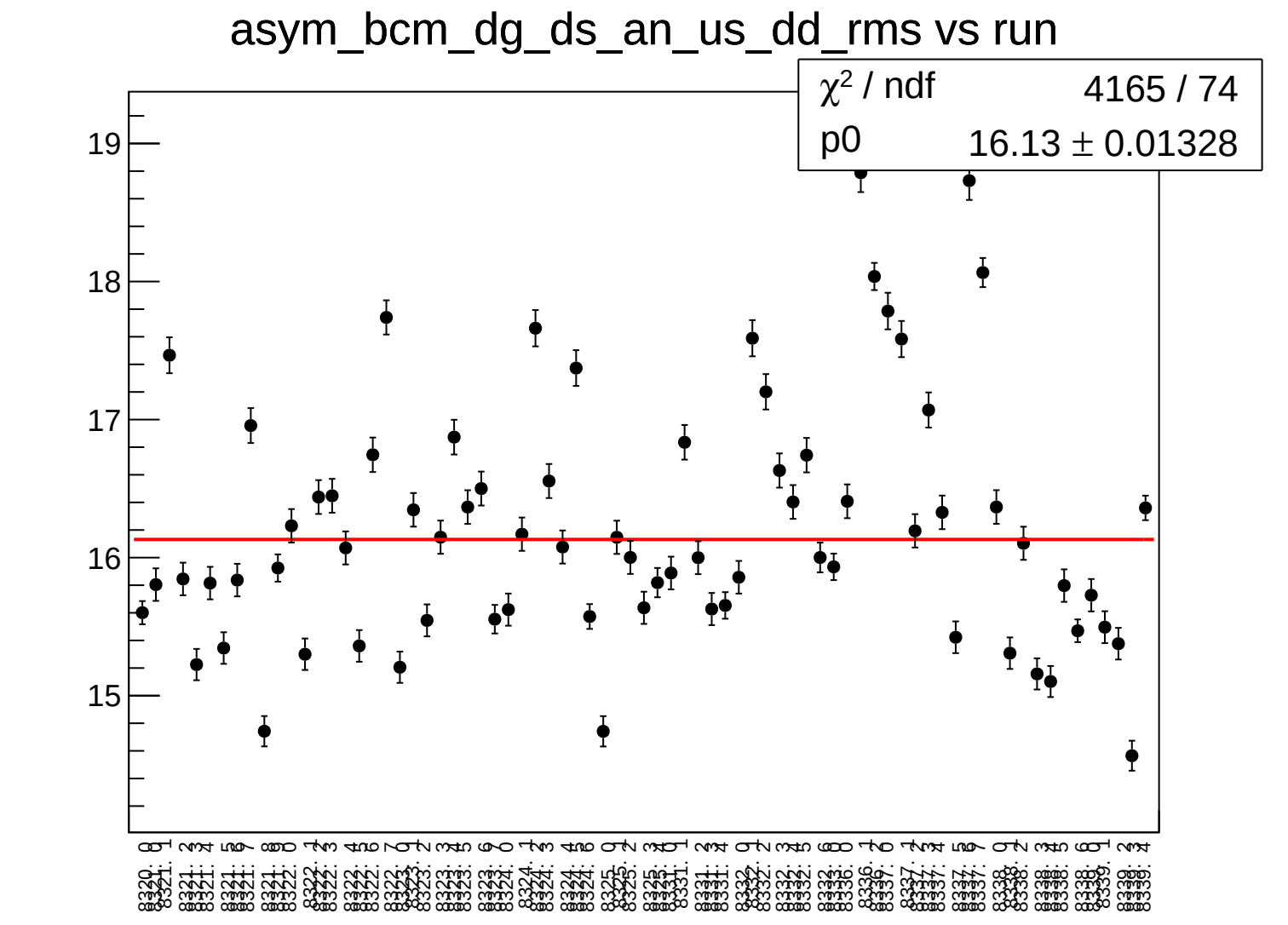

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 19.29 / 74
p0 601.9 ± 221.5
pull
Entries 75
Mean −169.9
Std Dev 0

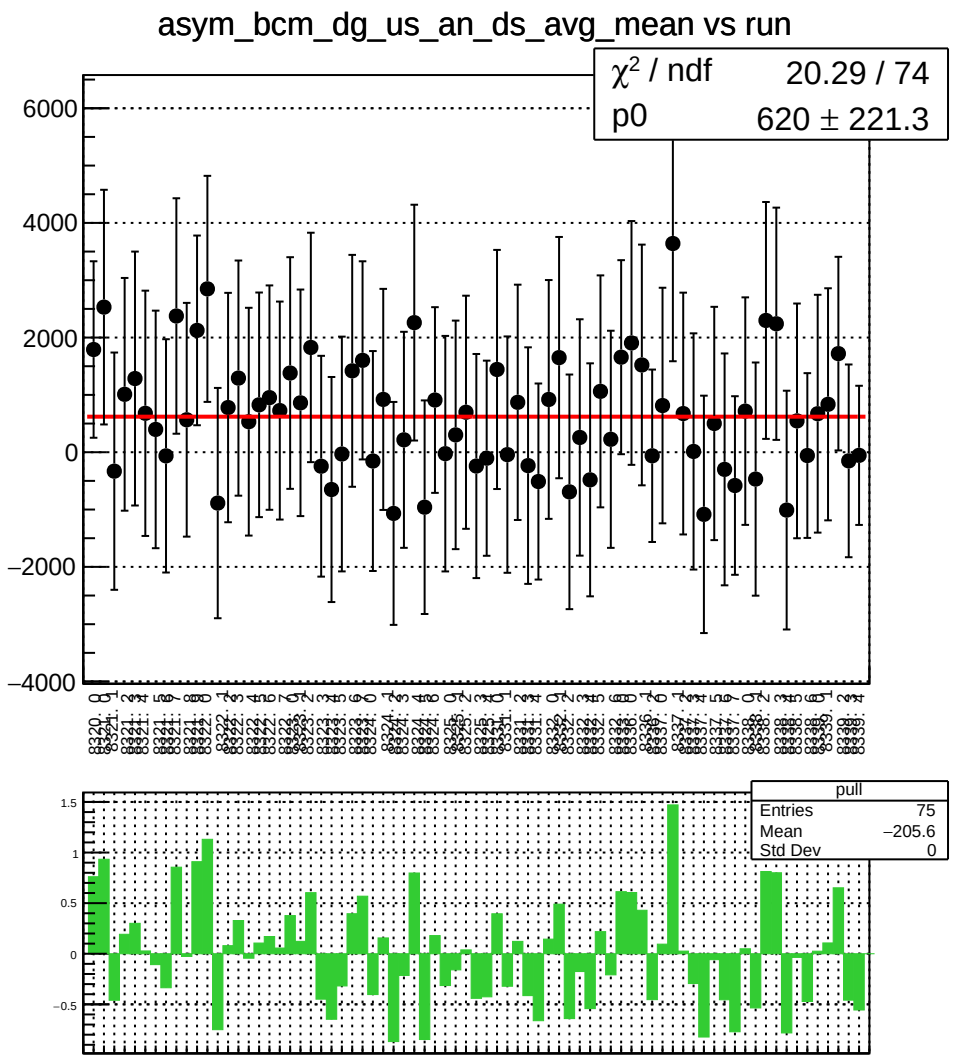

pull1D
Entries 75
Mean 0.009825
Std Dev 0.507

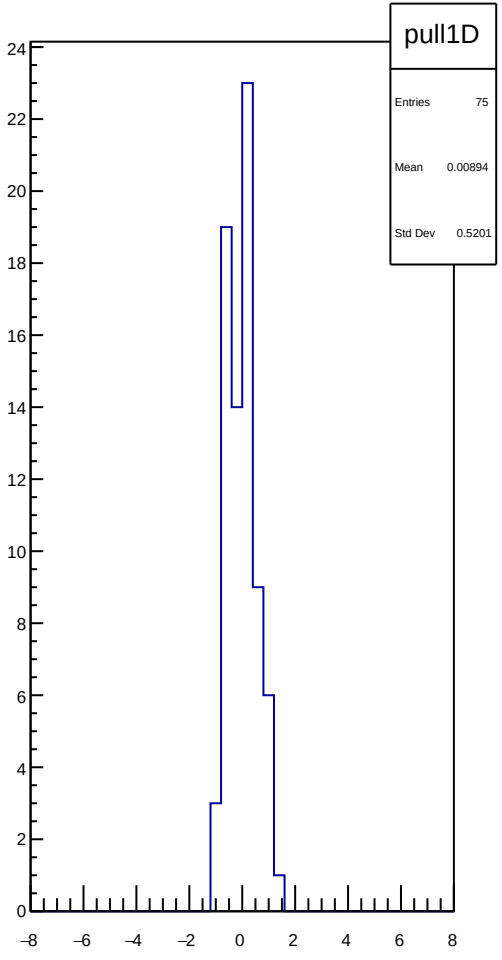

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 4416 / 74
p0 190.3 ± 0.1566
210
200
190
180
170
160

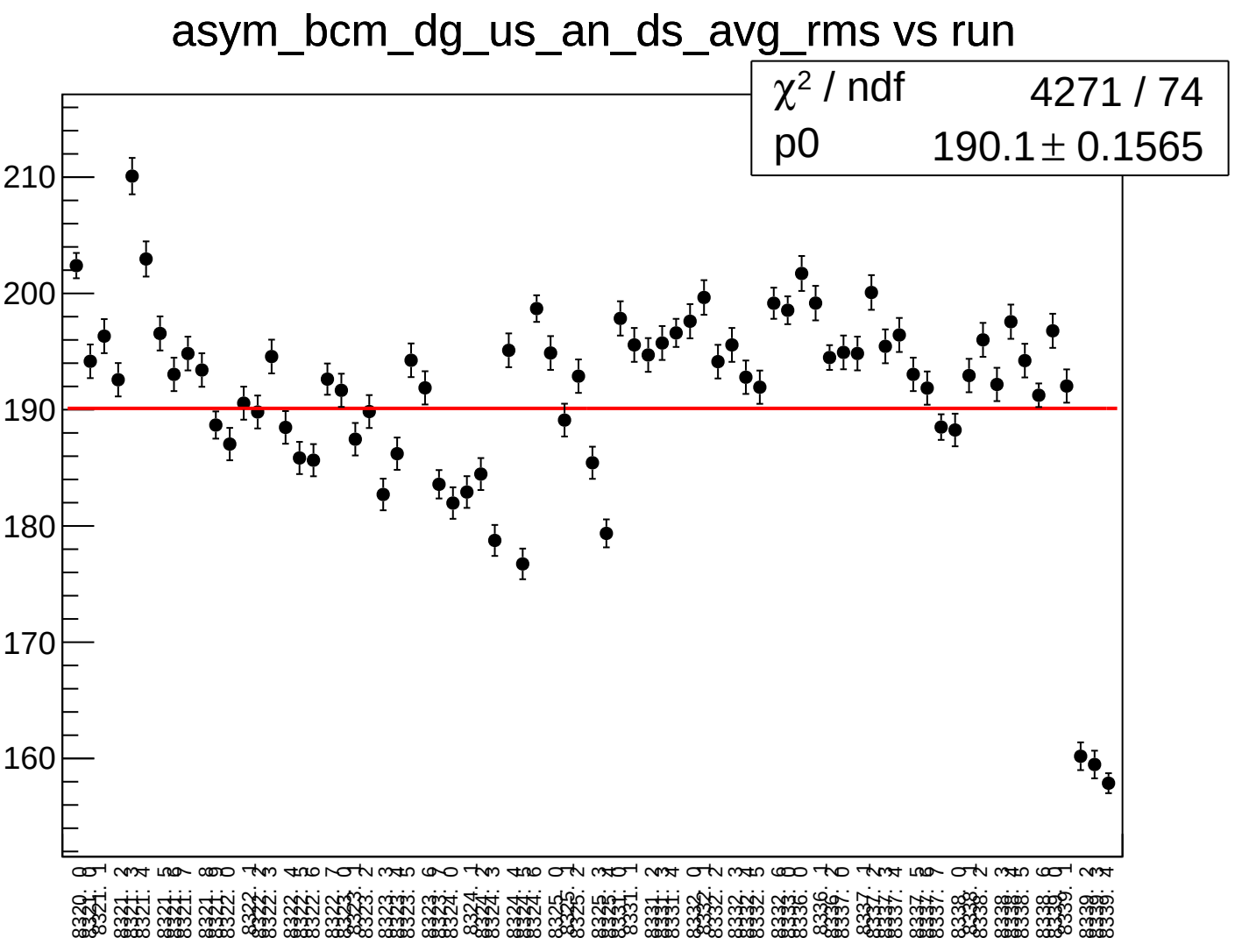

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 66.6 / 74
p0 10.25 ± 18.78
pull
Entries 75
Mean 126.8
Std Dev 0

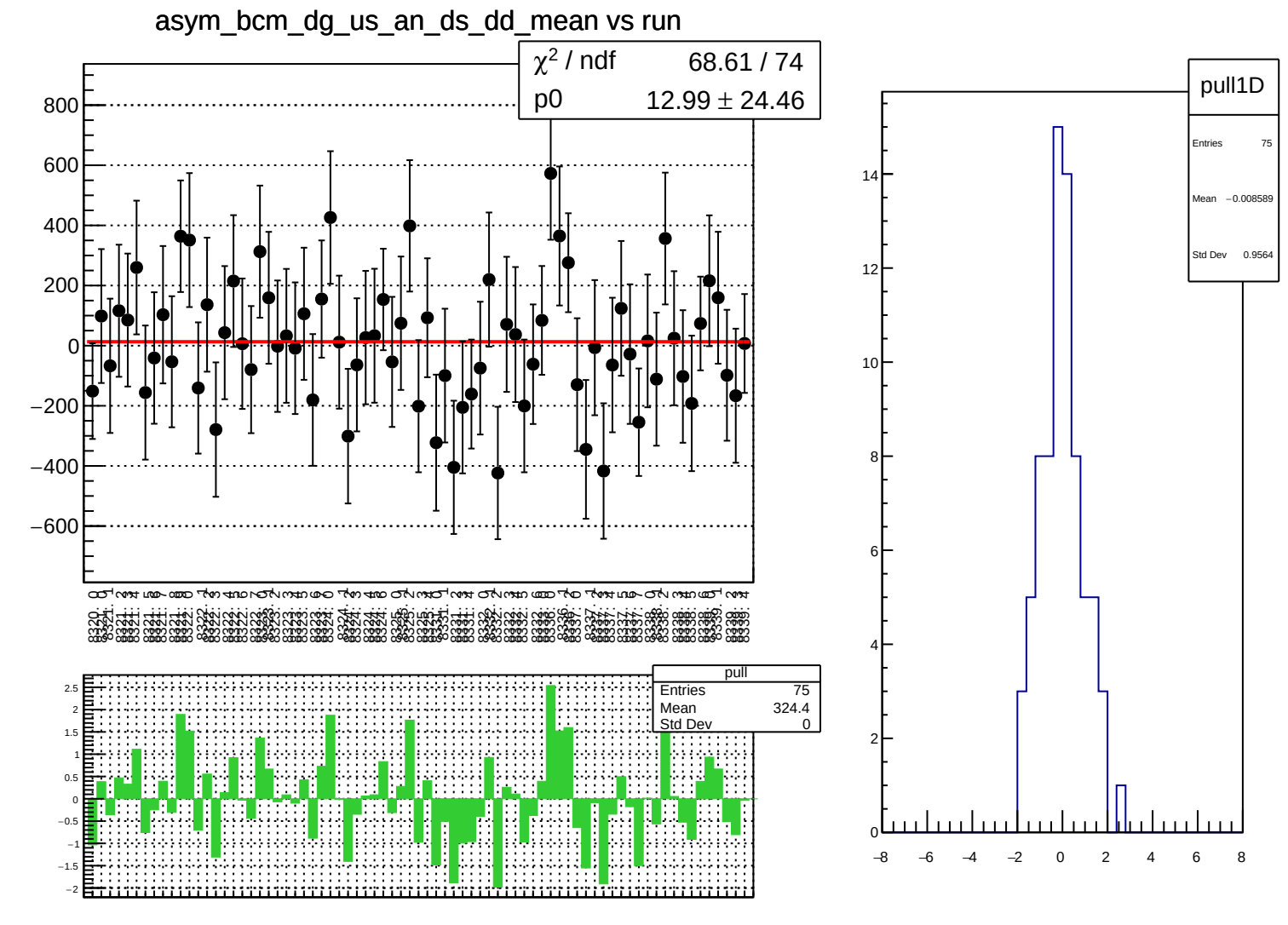

pull1D
Entries 75
Mean −0.01594
Std Dev 0.9422

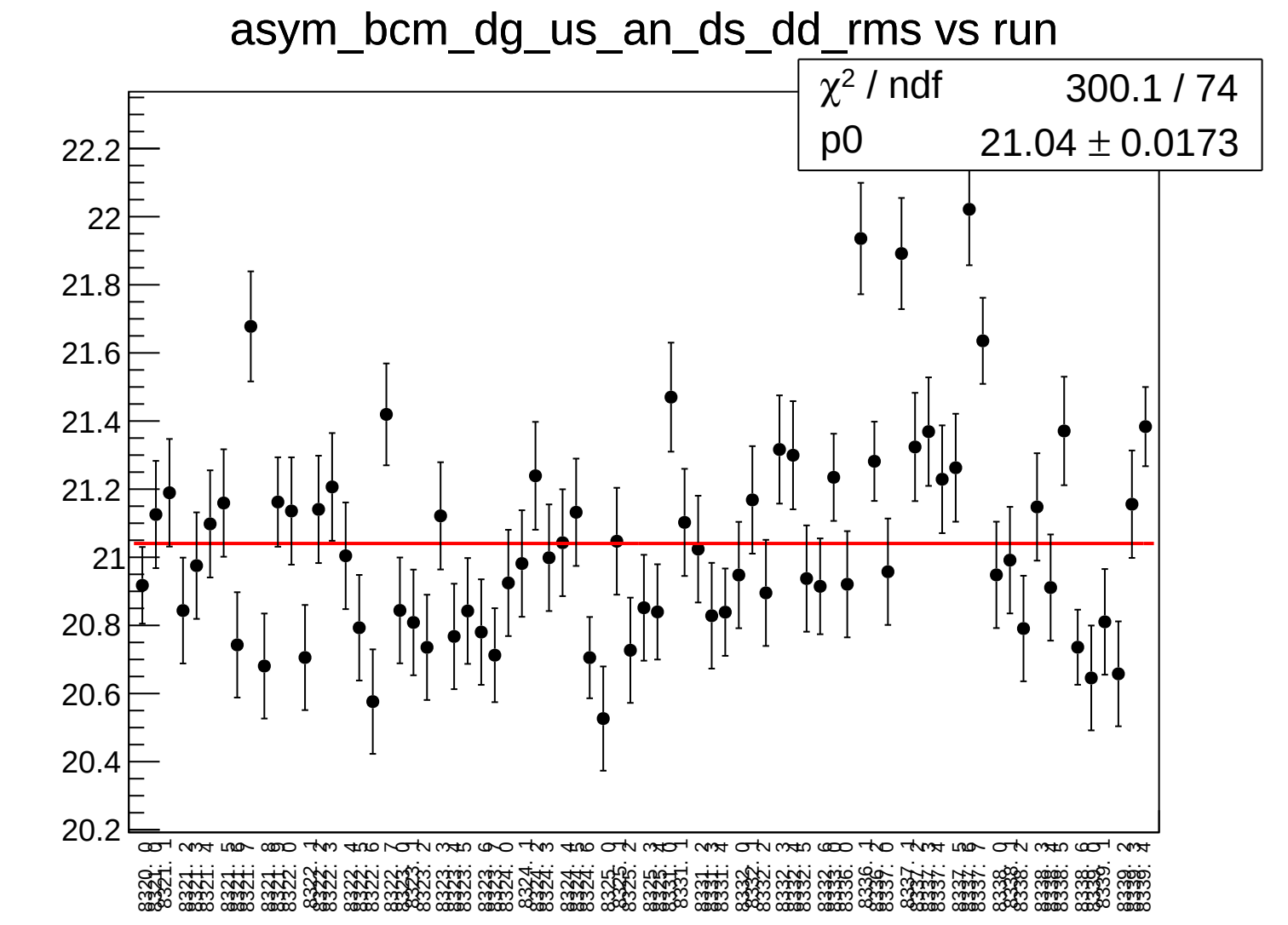

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 4165 / 74
p0 16.13 ± 0.01328
19
18
17
16
15

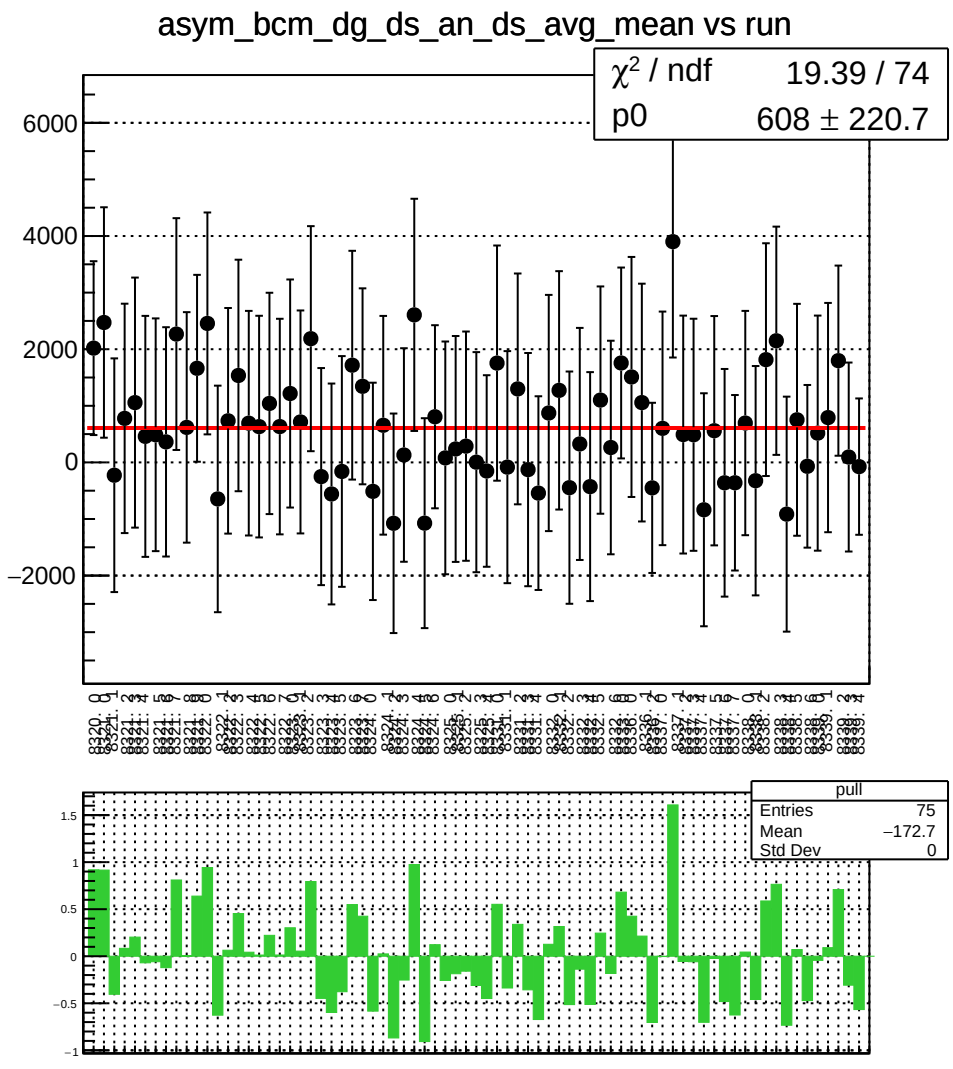

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 20.29 / 74
p0 620 ± 221.3
pull
Entries 75
Mean −205.6
Std Dev 0

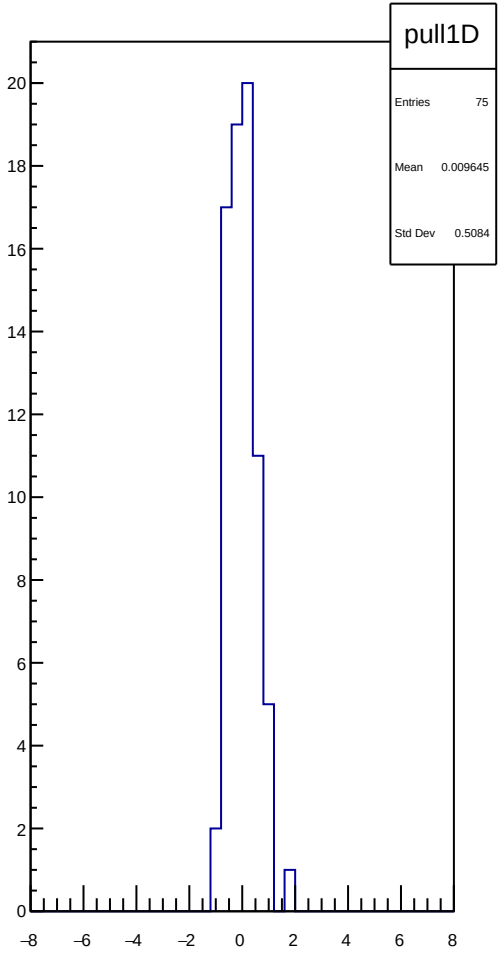

pull1D
Entries 75
Mean 0.00894
Std Dev 0.5201

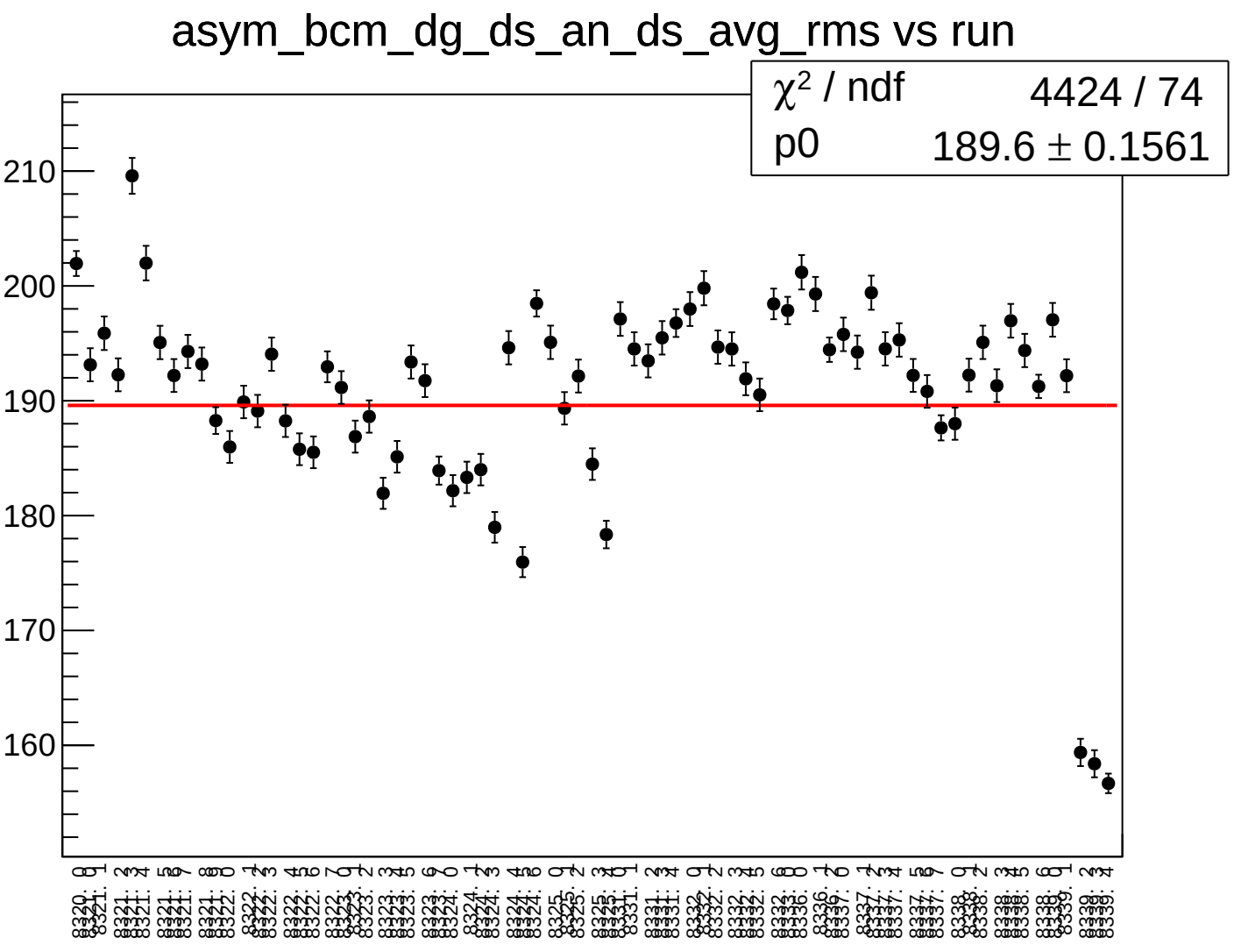

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 4271 / 74
p0 190.1 ± 0.1565
210
200
190
180
170
160

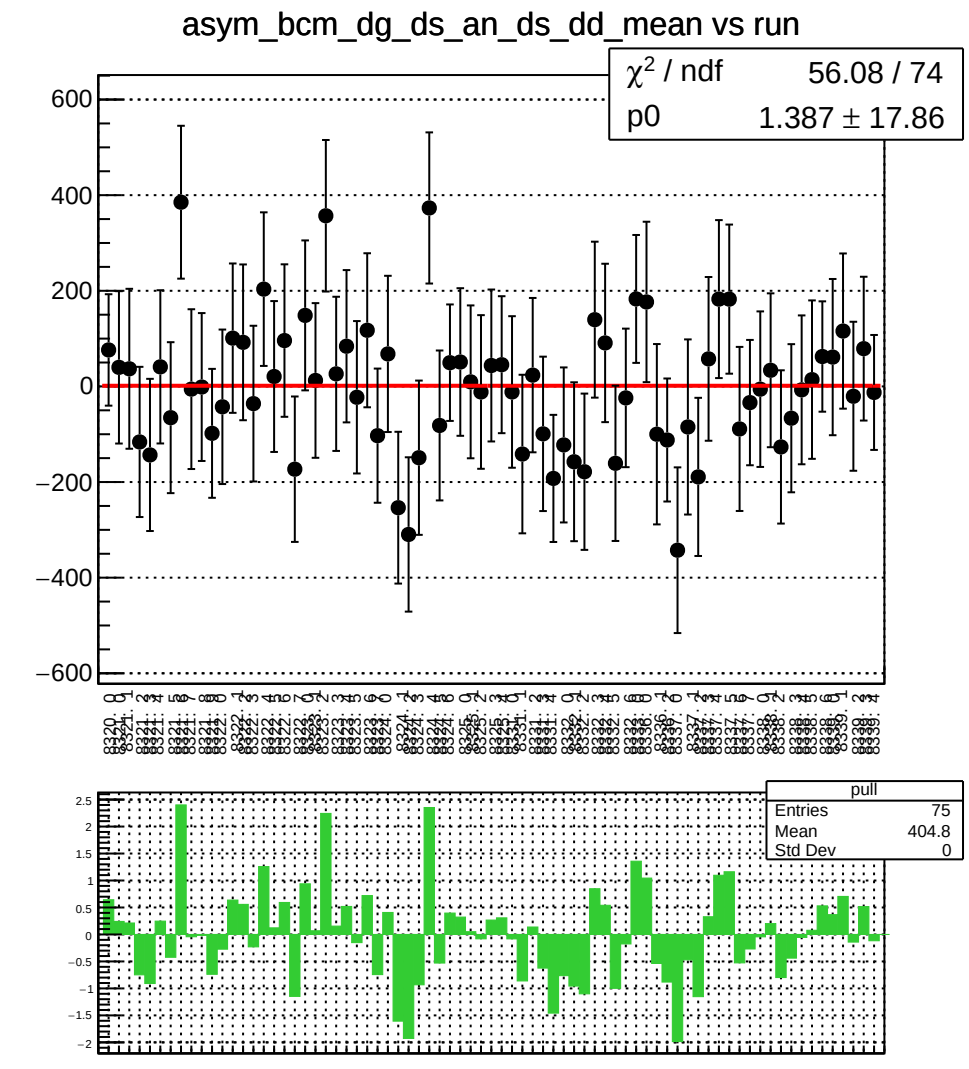

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 68.61 / 74
p0 12.99 ± 24.46
pull
Entries 75
Mean 324.4
Std Dev 0
pull1D
Entries 75
Mean −0.008589
Std Dev 0.9564

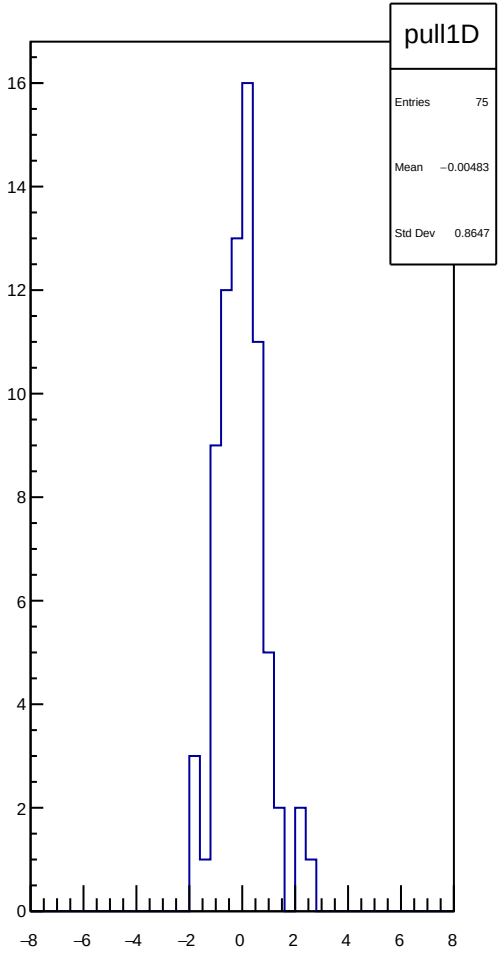

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 300.1 / 74
p0 21.04 ± 0.0173
22.2
22
21.8
21.6
21.4
21.2
21
20.8
20.6
20.4
20.2

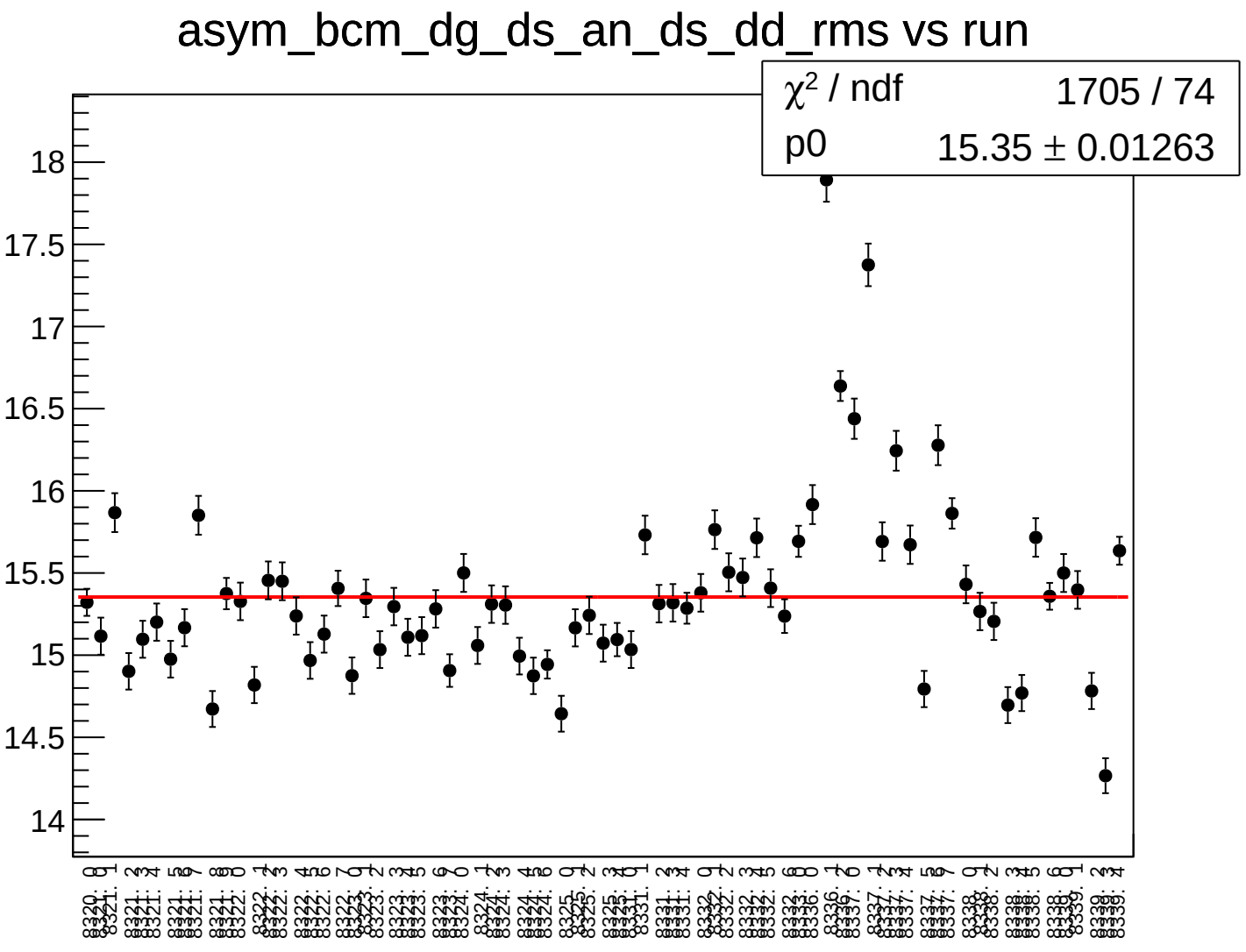

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 19.39 / 74
p0 608 ± 220.7
6000
4000
2000
0
−2000
pull
Entries 75
Mean −172.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

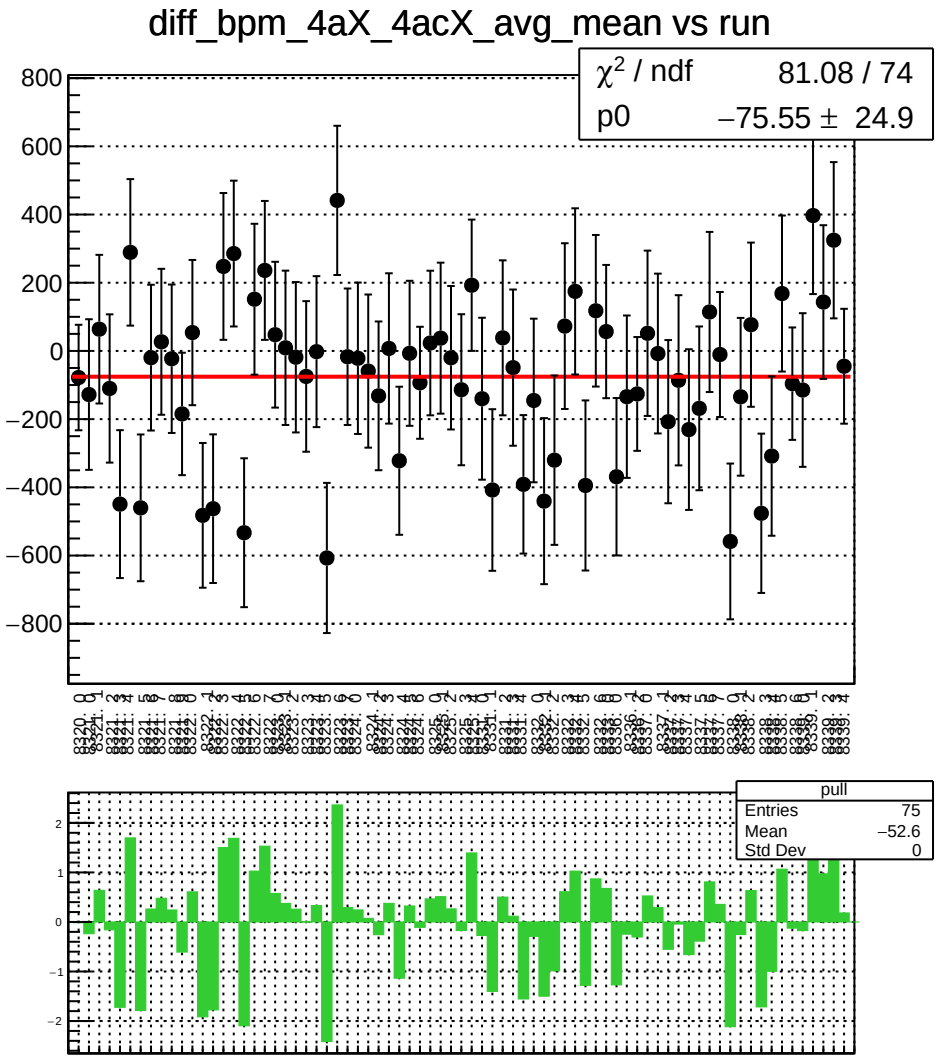

pull1D
Entries 75
Mean 0.009645
Std Dev 0.5084
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

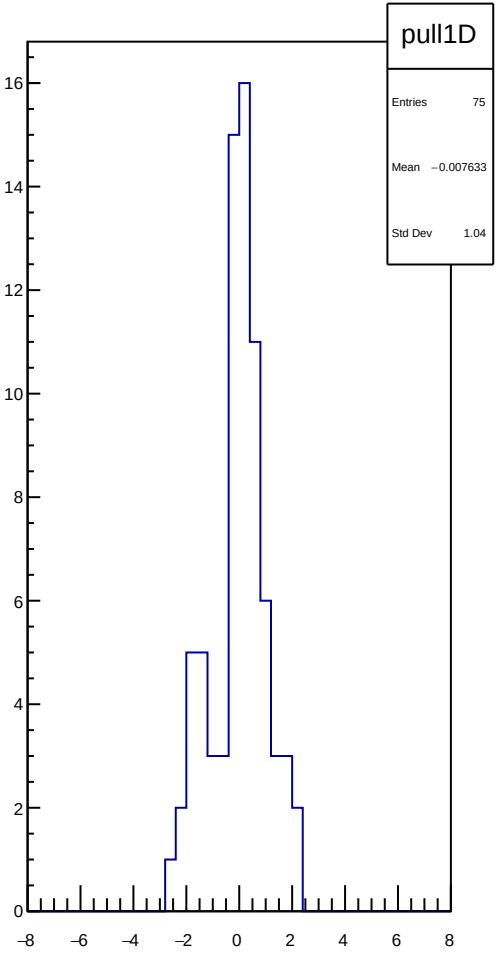

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 4424 / 74
p0 189.6 ± 0.1561
210
200
190
180
170
160

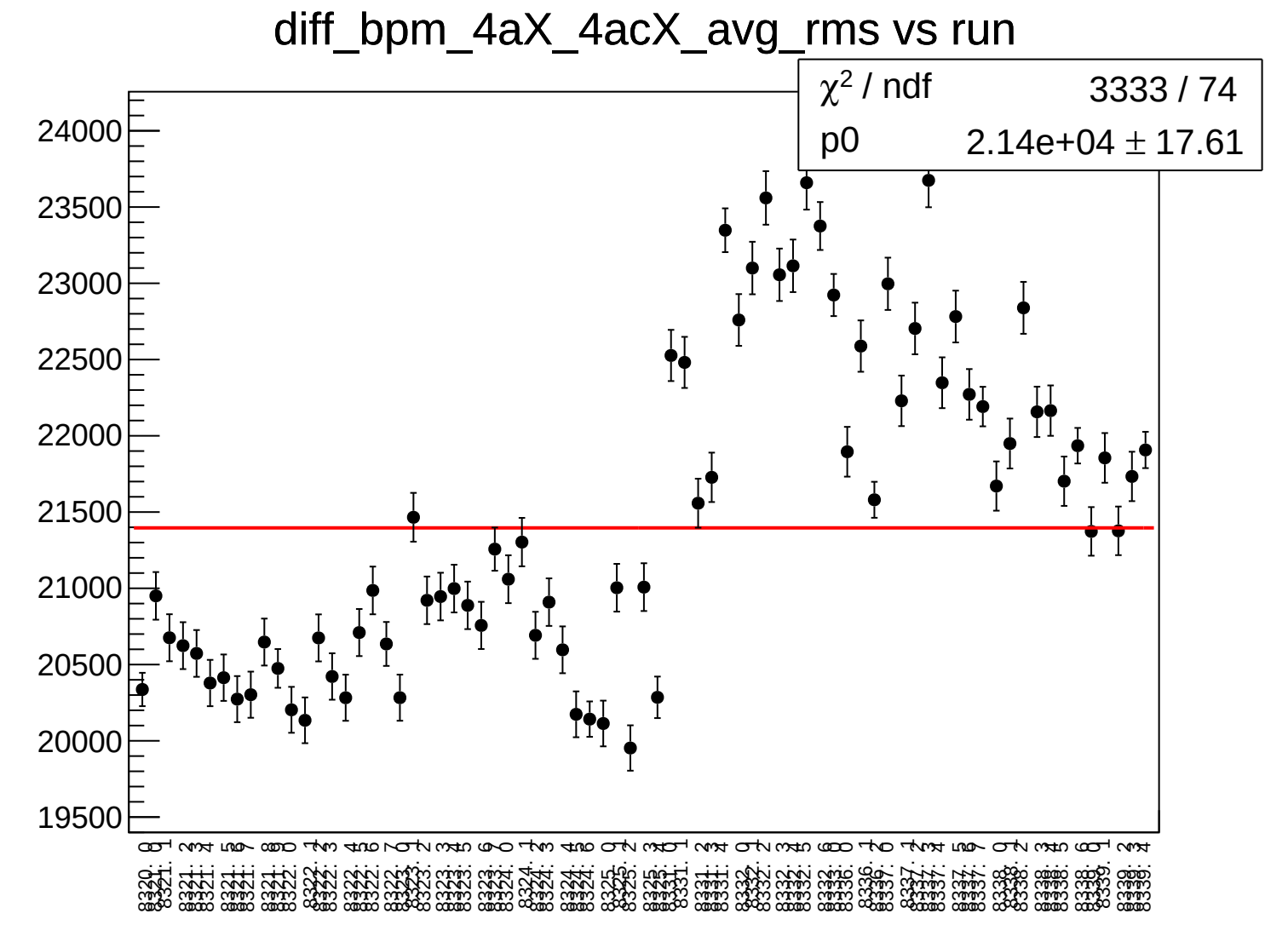

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 56.08 / 74
p0 1.387 ± 17.86
pull
Entries 75
Mean 404.8
Std Dev 0

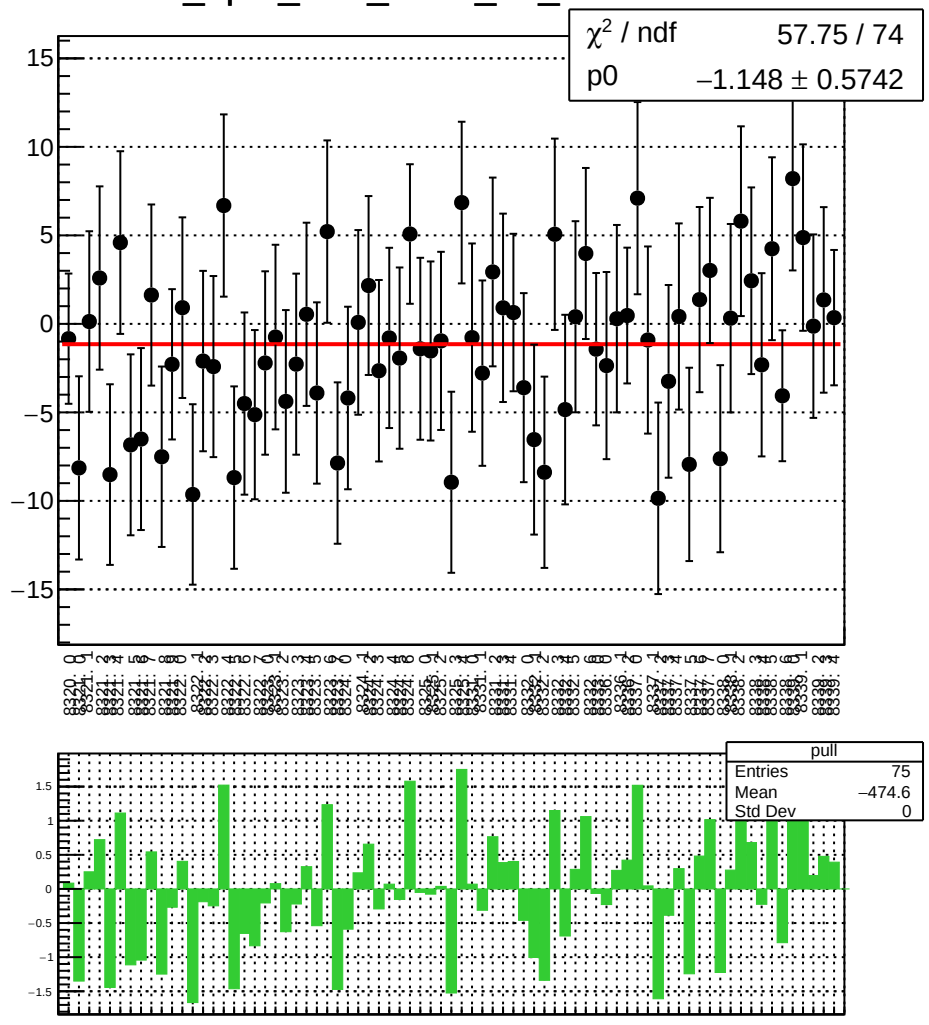

pull1D
Entries 75
Mean −0.00483
Std Dev 0.8647

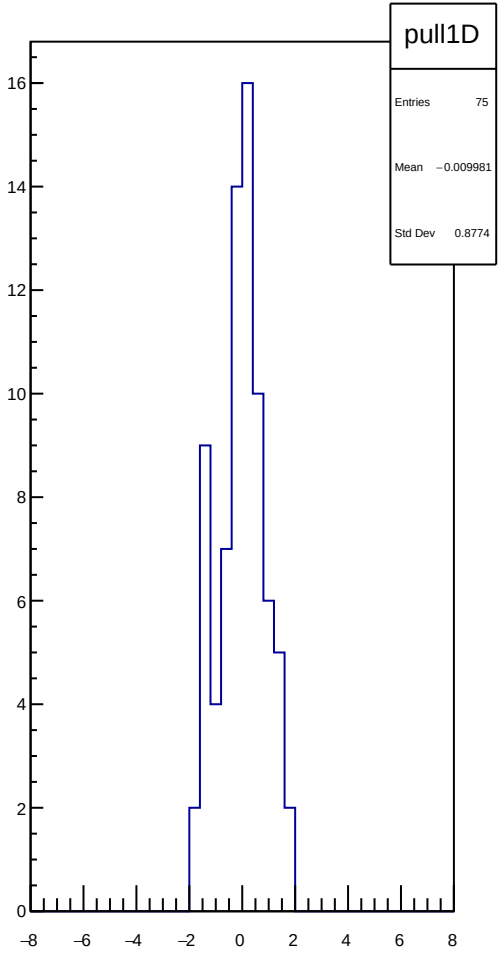

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1705 / 74
p0 15.35 ± 0.01263
18
17.5
17
16.5
16
15.5
15
14.5
14

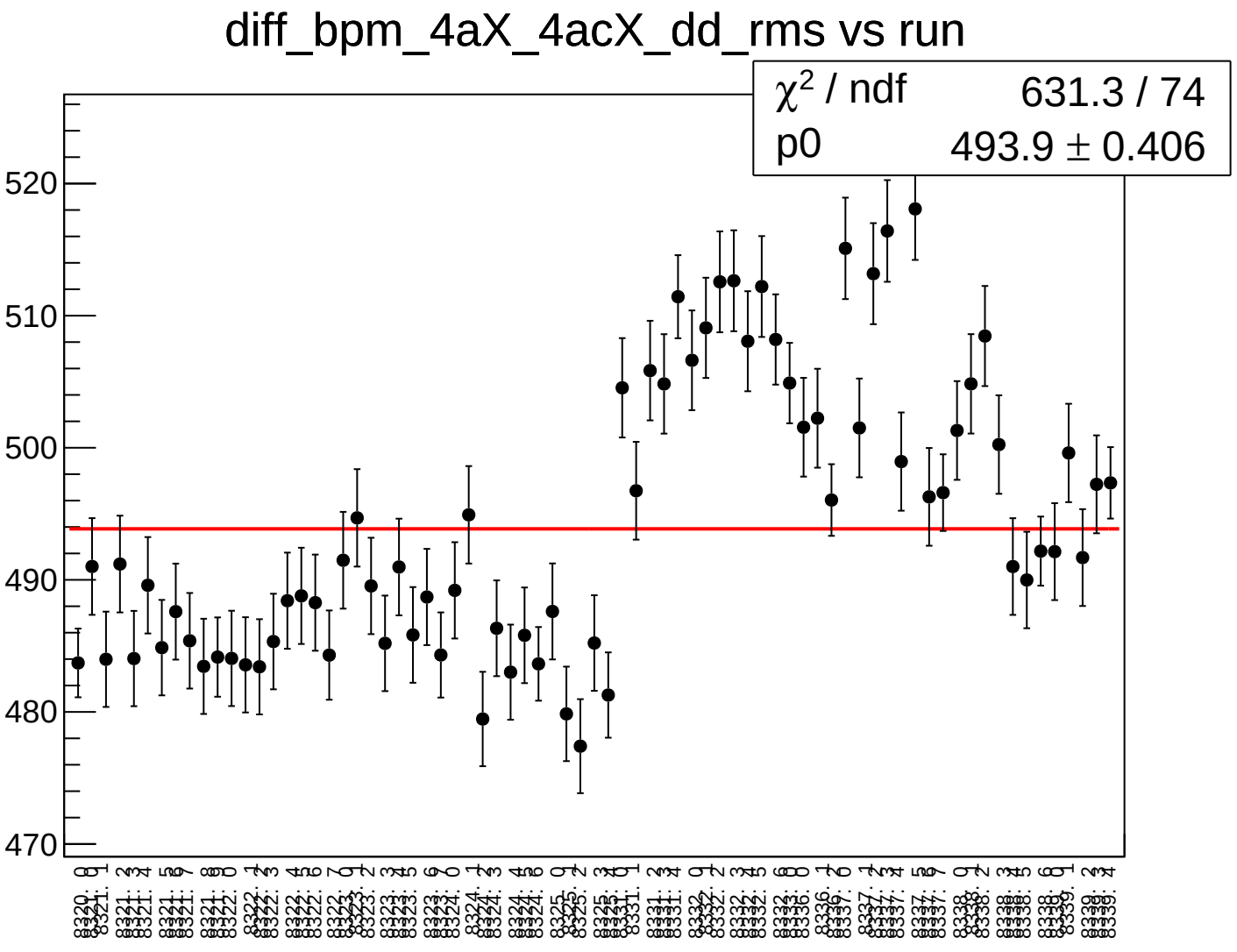

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 81.08 / 74
p0 −75.55 ± 24.9
pull
Entries 75
Mean −52.6
Std Dev 0

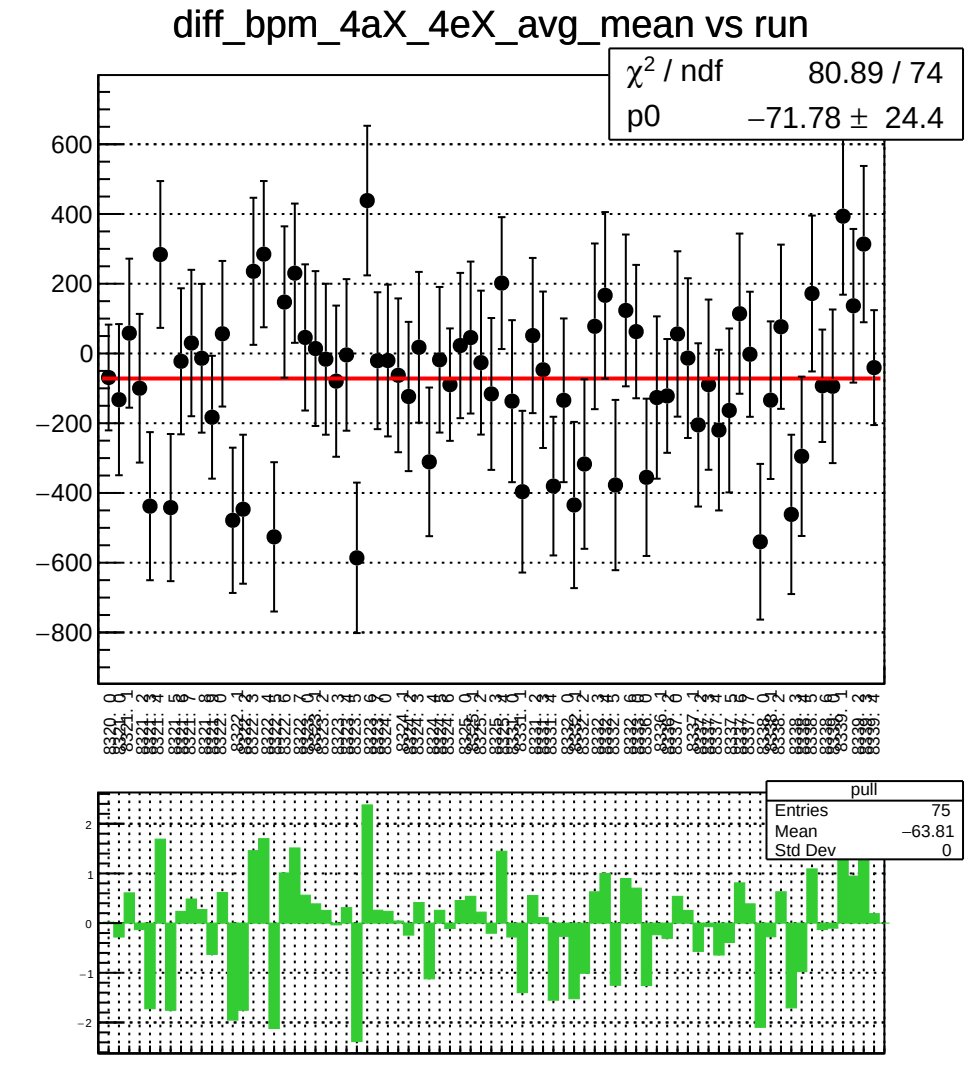

pull1D
Entries 75
Mean −0.007633
Std Dev 1.04

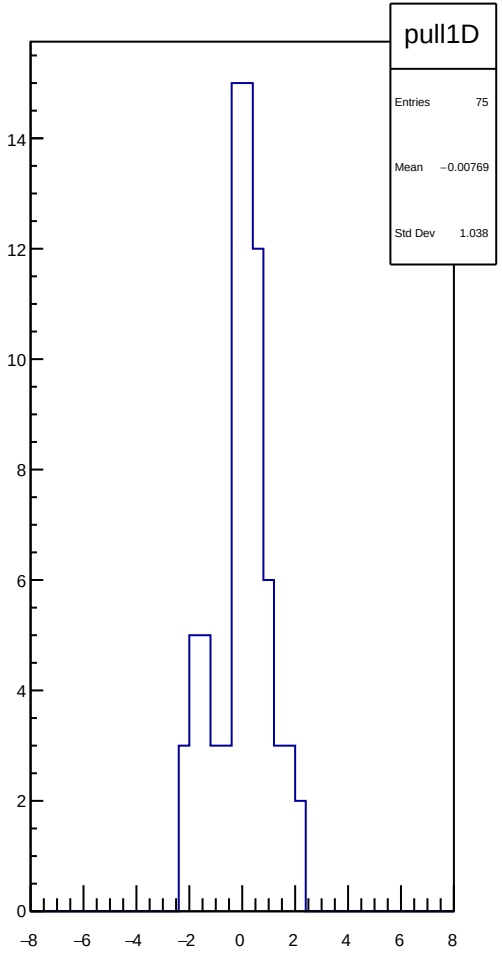

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 3333 / 74
p0 2.14e+04 ± 17.61
24000
23500
23000
22500
22000
21500
21000
20500
20000
19500

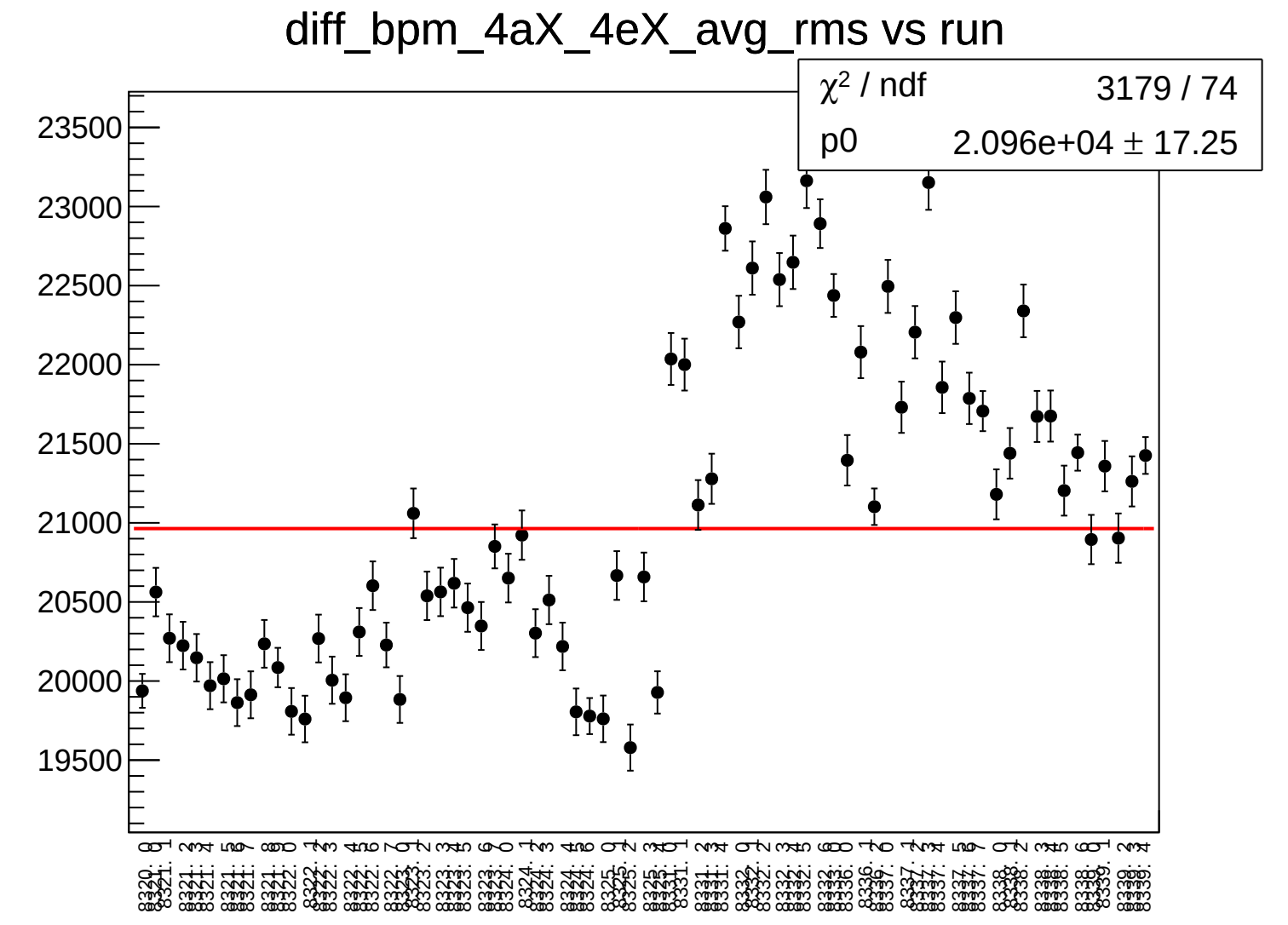

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 57.75 / 74
p0 −1.148 ± 0.5742
pull
Entries 75
Mean −474.6
Std Dev 0

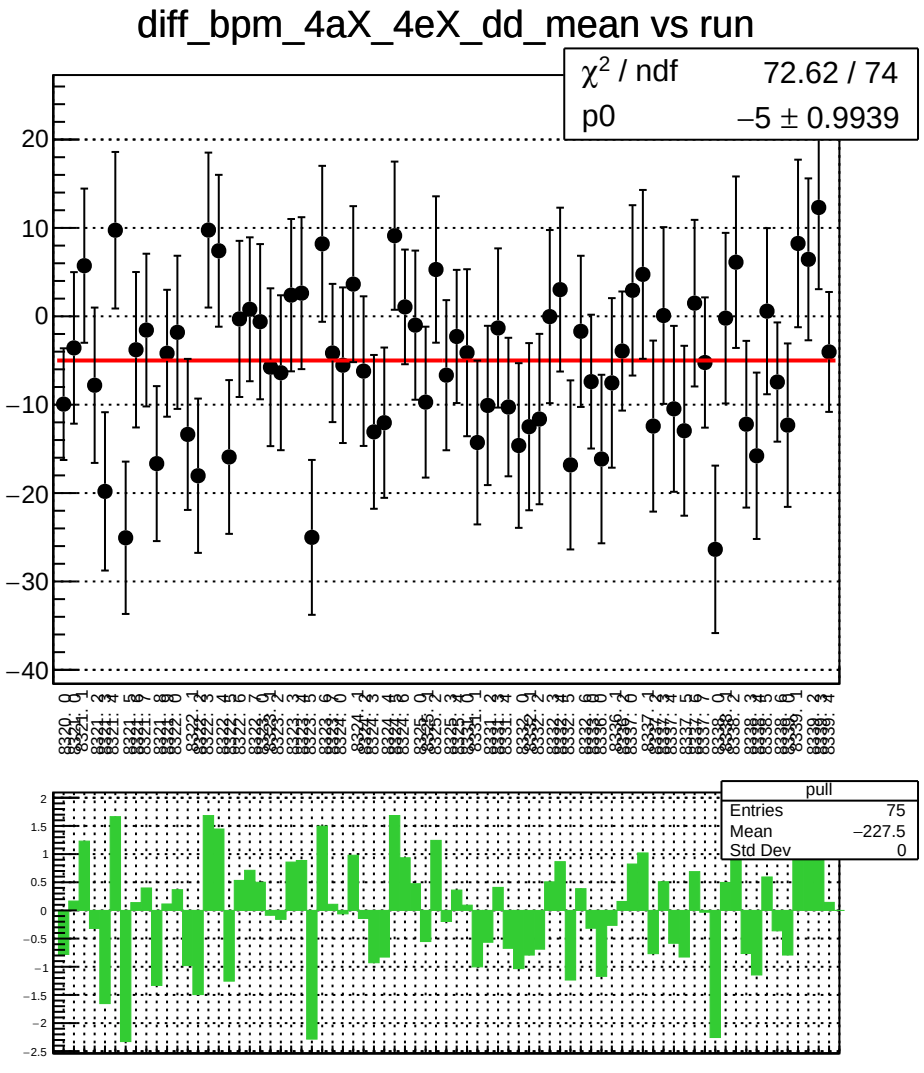

pull1D
Entries 75
Mean −0.009981
Std Dev 0.8774

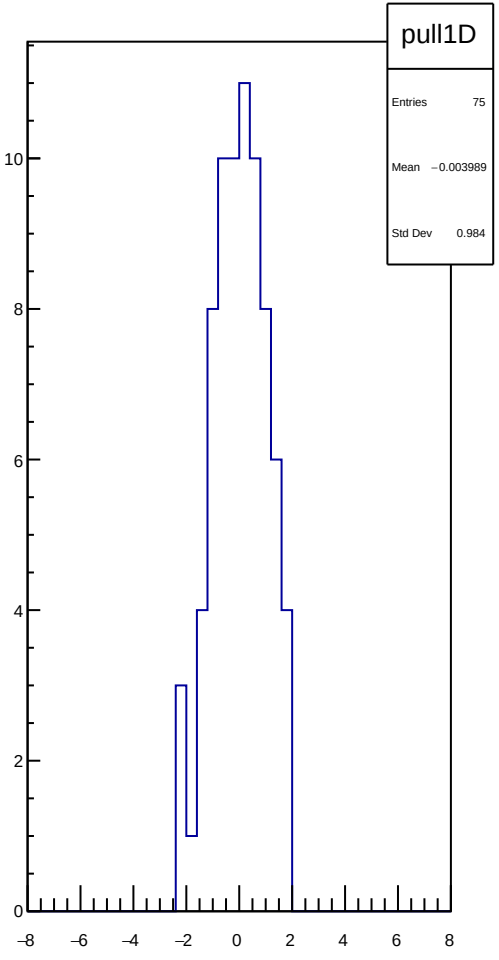

diff_bpm_4aX_4acX_dd_rms vs run
χ^2 / ndf 631.3 / 74
p0 493.9 ± 0.406
520
510
500
490
480
470

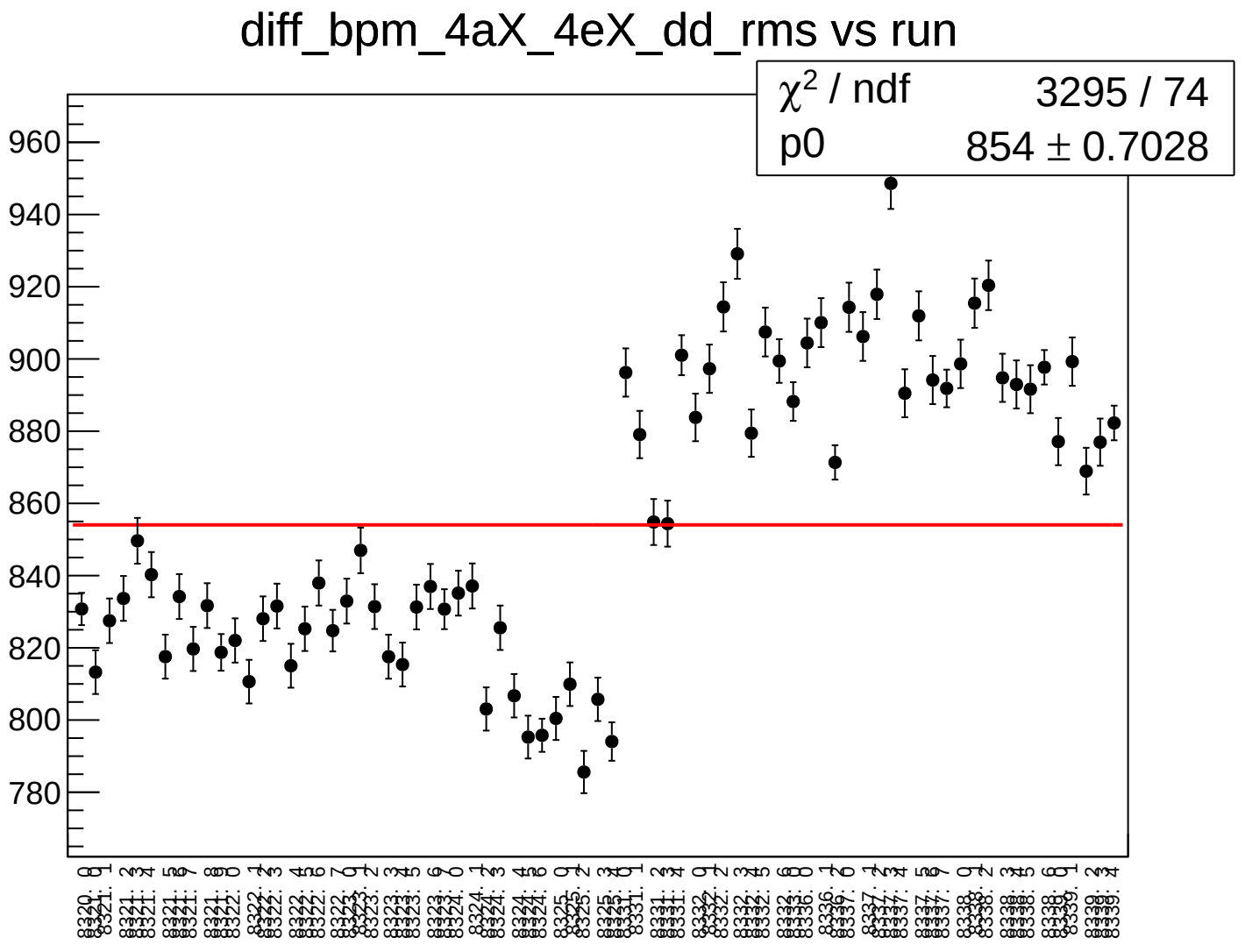

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 80.89 / 74
p0 −71.78 ± 24.4
pull
Entries 75
Mean −63.81
Std Dev 0

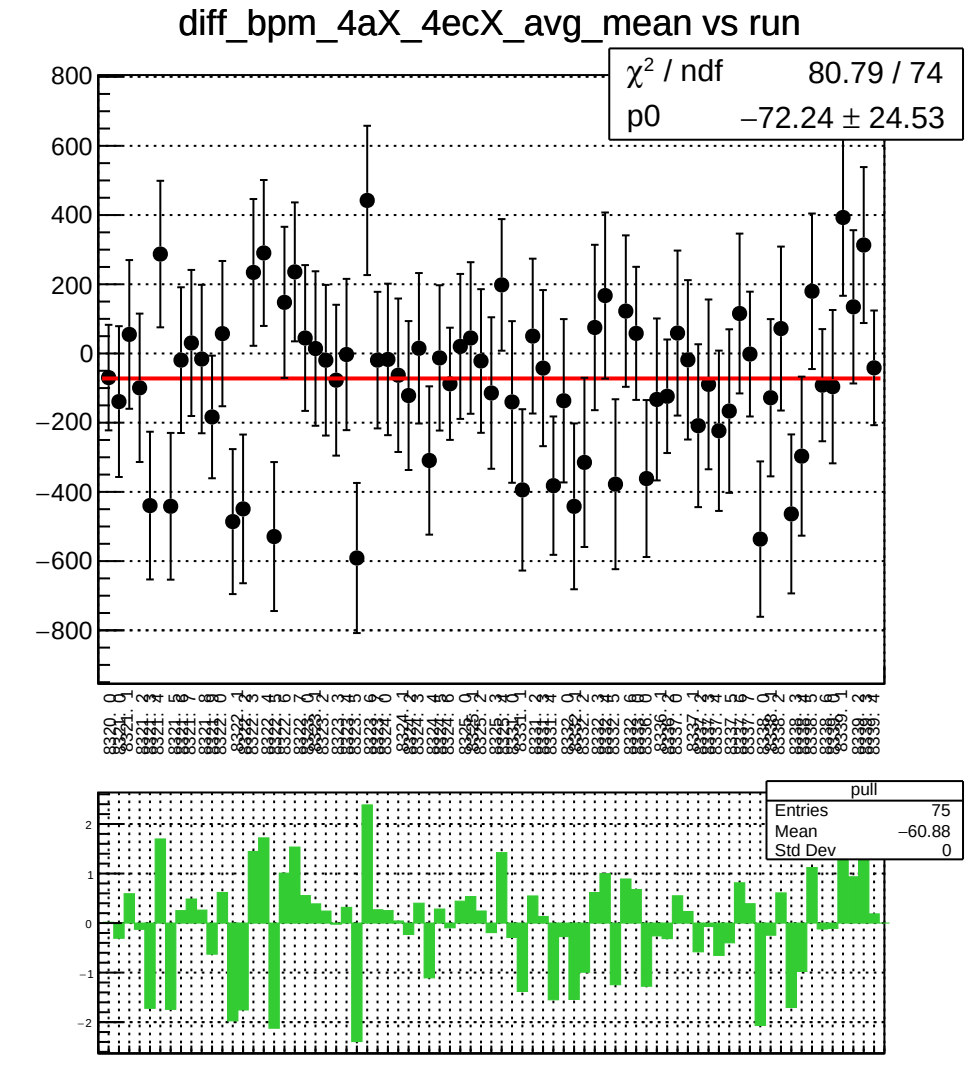

pull1D
Entries 75
Mean −0.00769
Std Dev 1.038

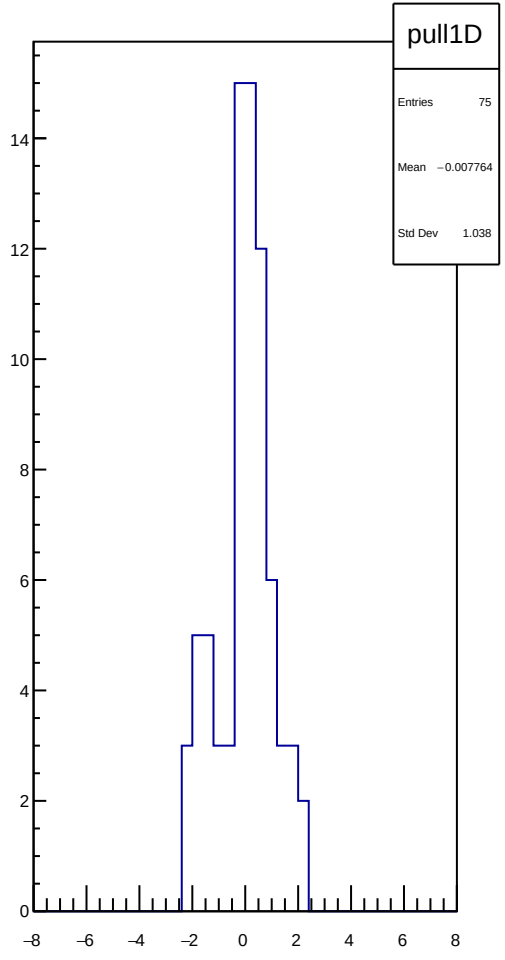

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 3179 / 74
p0 2.096e+04 ± 17.25
23500
23000
22500
22000
21500
21000
20500
20000
19500

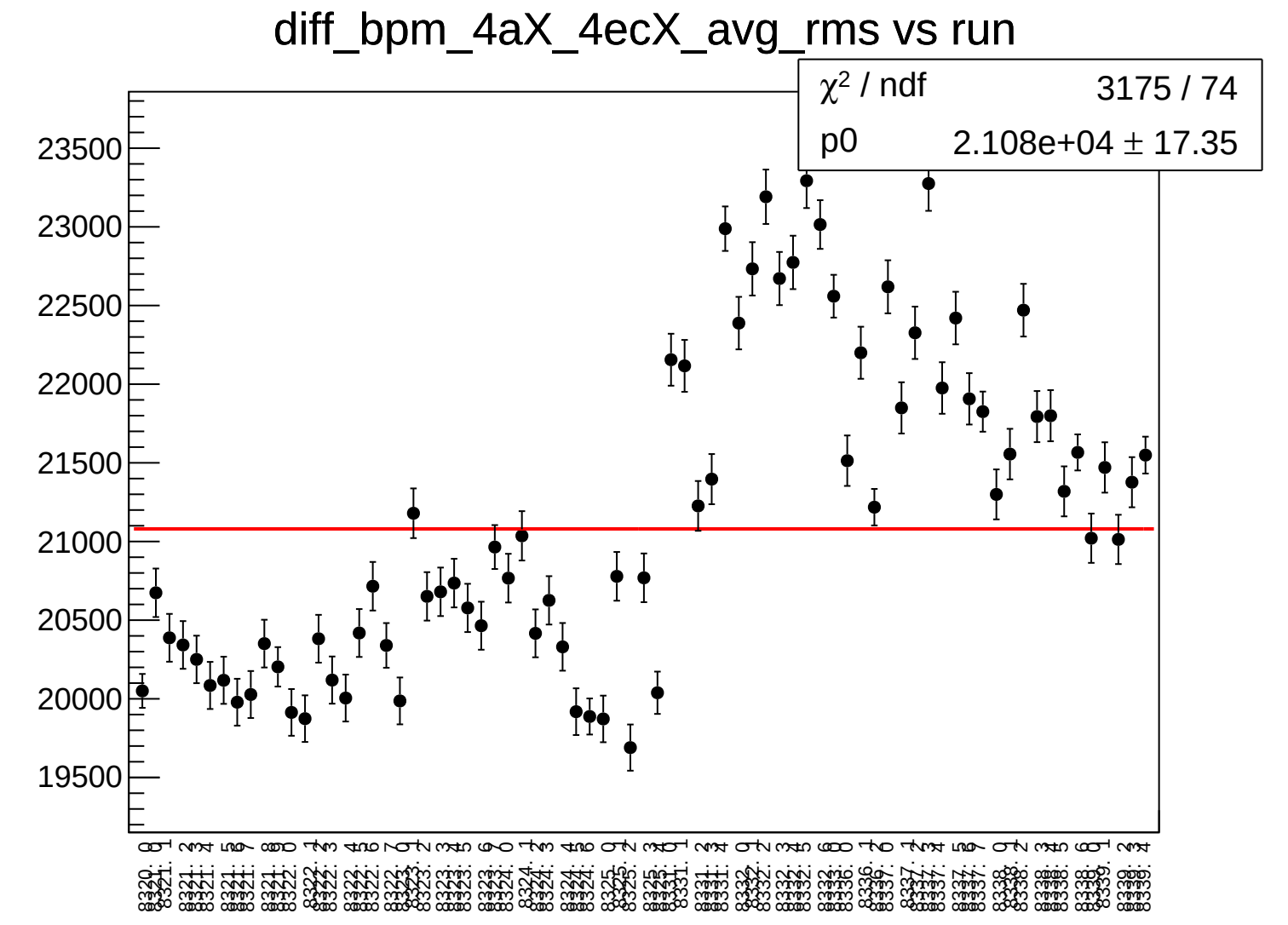

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 72.62 / 74
p0 −5 ± 0.9939
pull
Entries 75
Mean −227.5
Std Dev 0

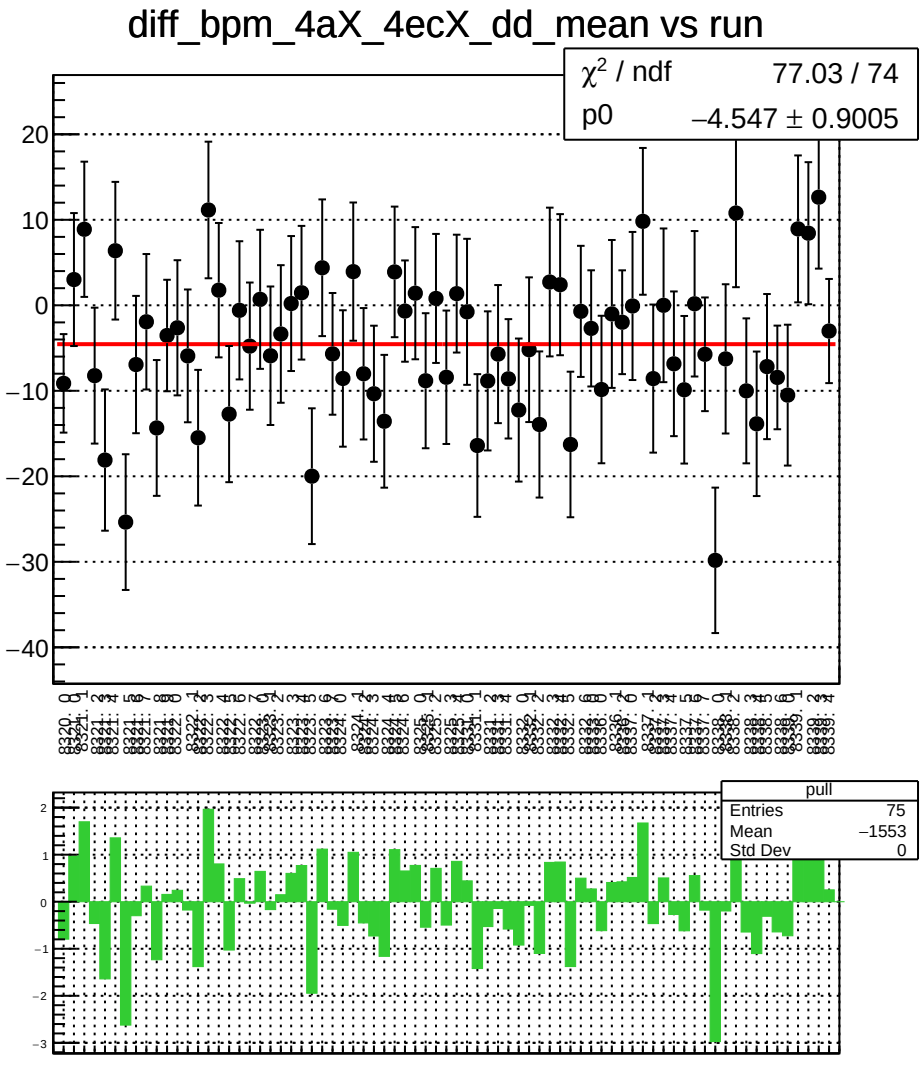

pull1D
Entries 75
Mean −0.003989
Std Dev 0.984

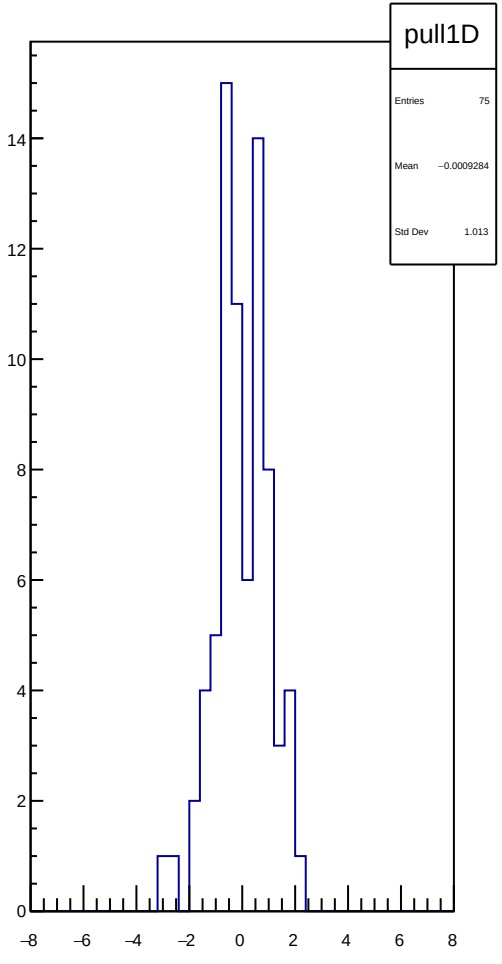

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 3295 / 74
p0 854 ± 0.7028
960
940
920
900
880
860
840
820
800
780

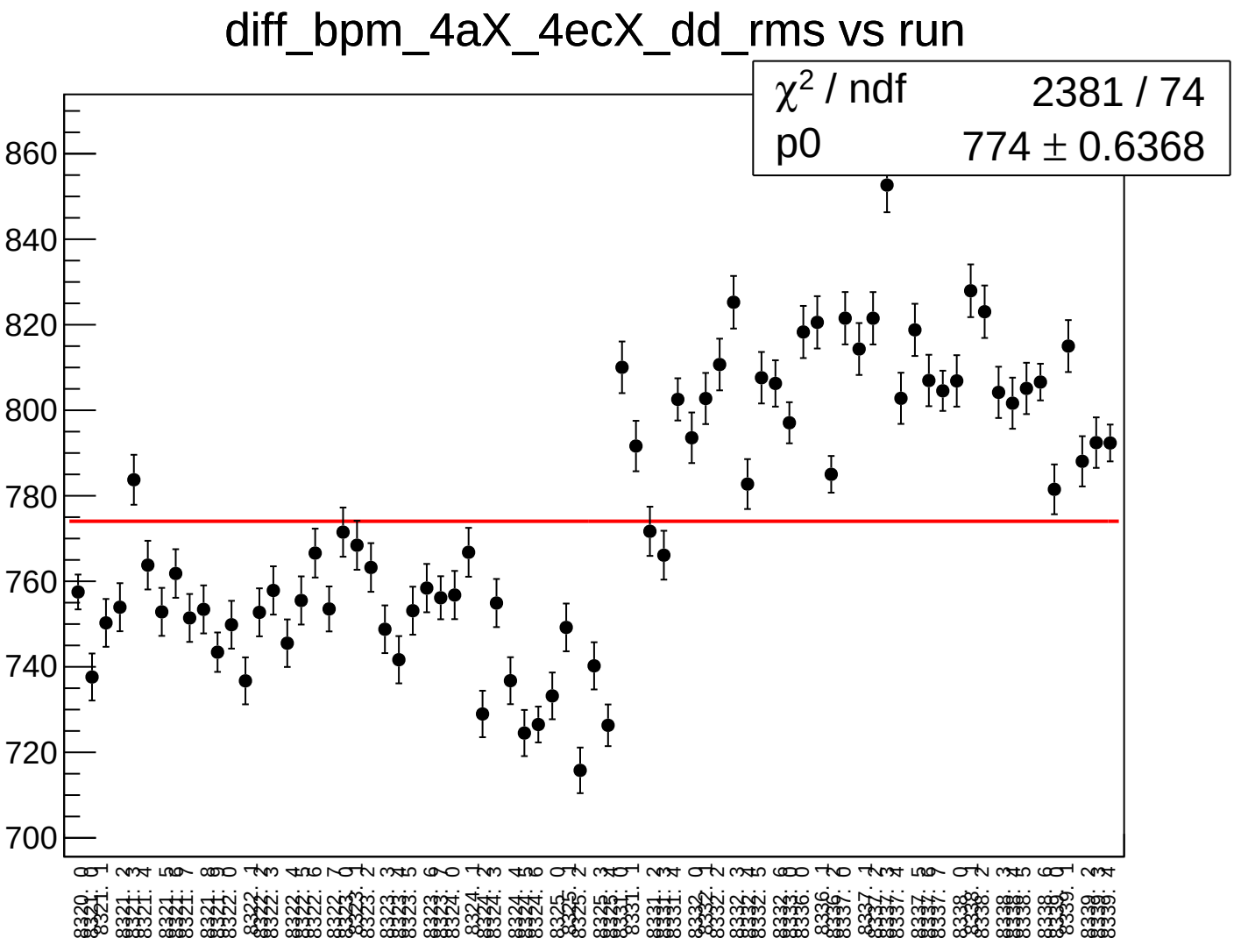

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 80.79 / 74
p0 −72.24 ± 24.53
pull
Entries 75
Mean −60.88
Std Dev 0

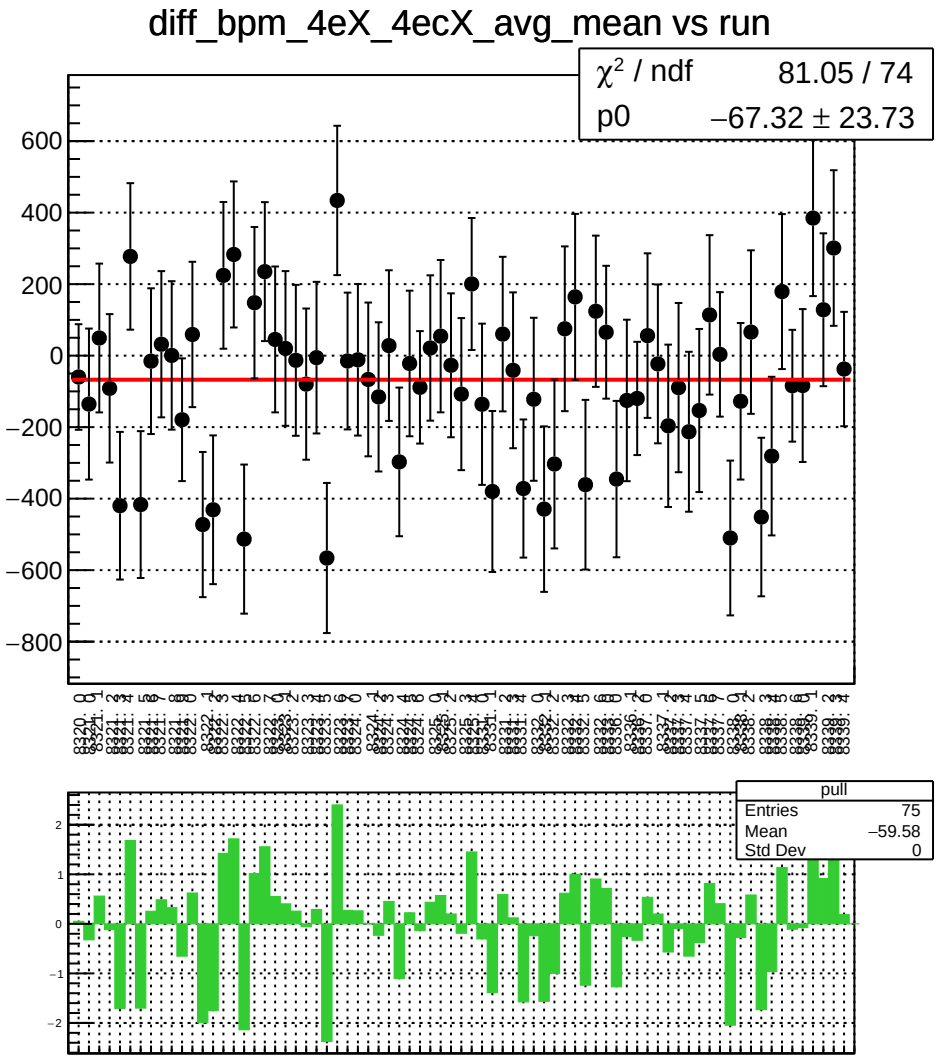

pull1D
Entries 75
Mean −0.007764
Std Dev 1.038

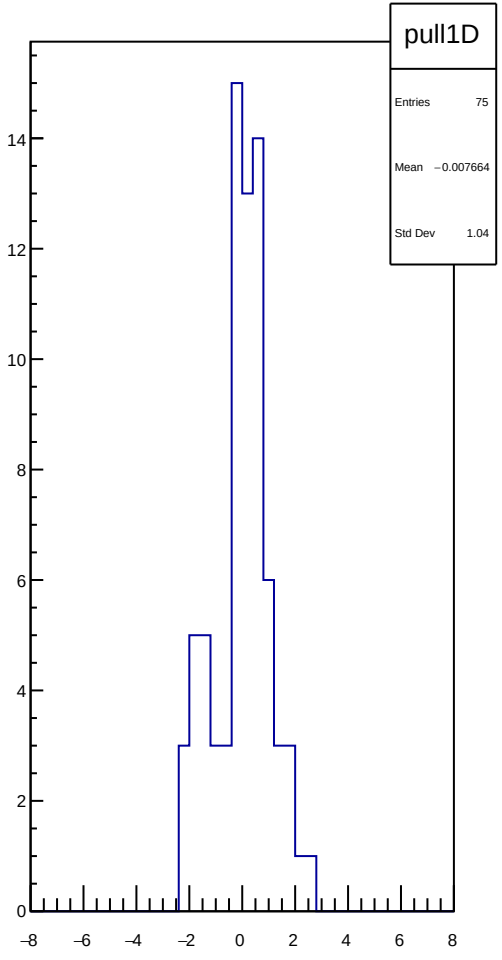

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 3175 / 74
p0 2.108e+04 ± 17.35
23500
23000
22500
22000
21500
21000
20500
20000
19500

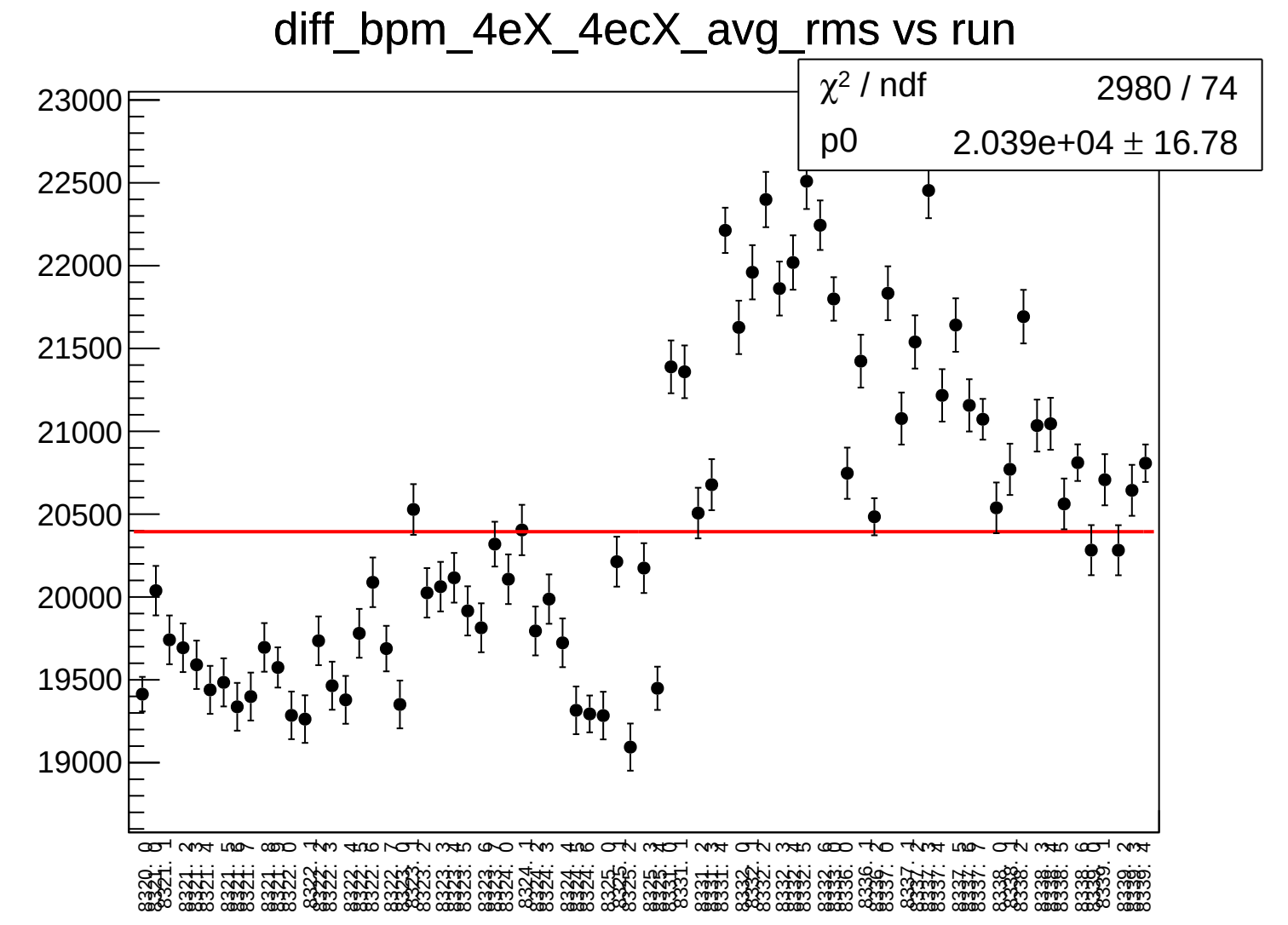

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 77.03 / 74
p0 −4.547 ± 0.9005
pull
Entries 75
Mean −1553
Std Dev 0

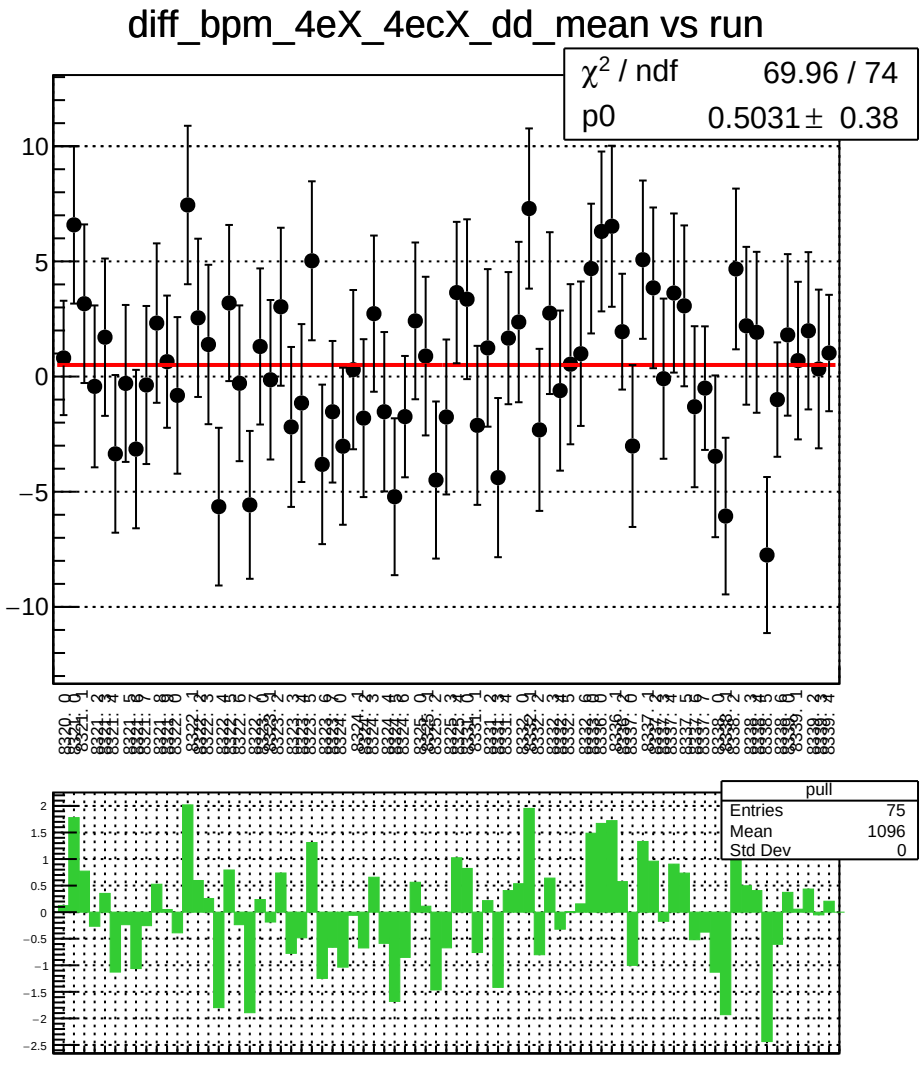

pull1D
Entries 75
Mean −0.0009284
Std Dev 1.013

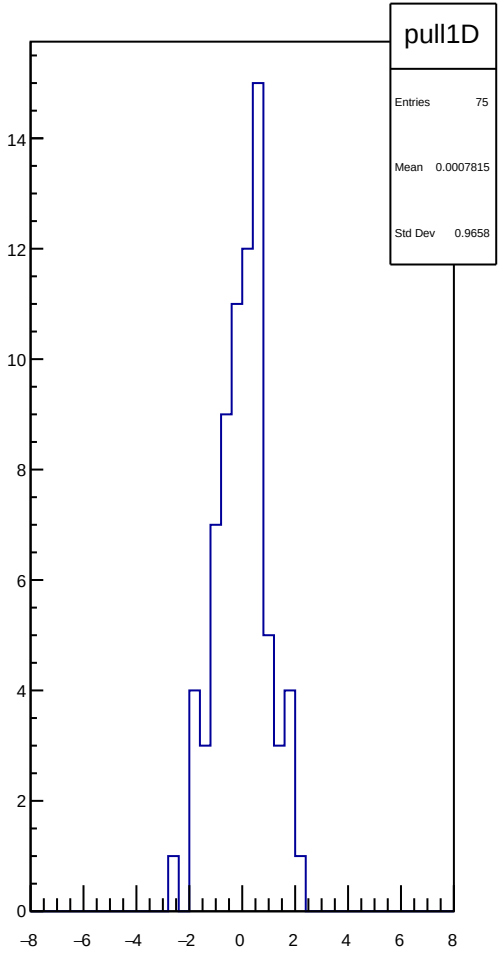

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 2381 / 74
p0 774 ± 0.6368
860
840
820
800
780
760
740
720
700

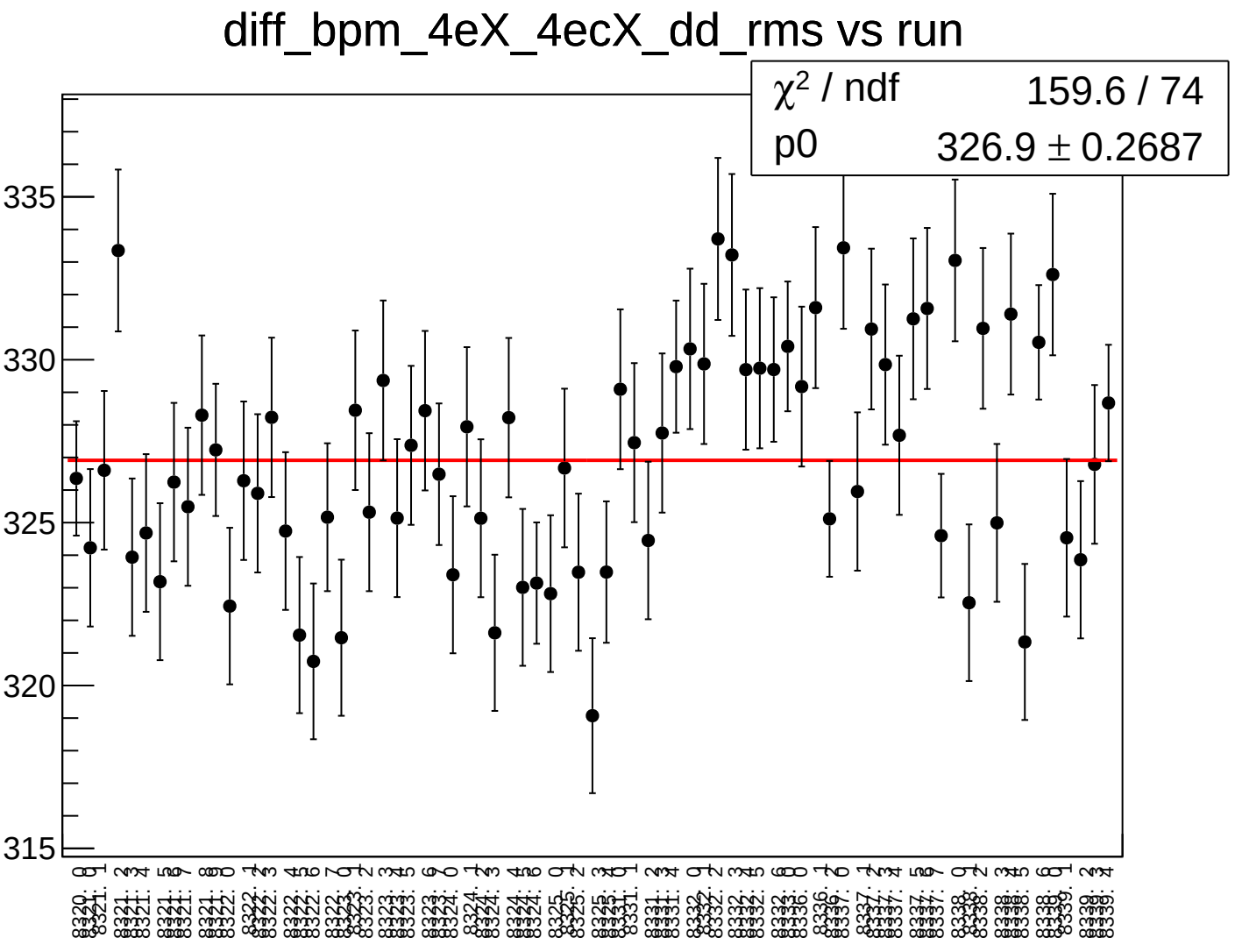

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 81.05 / 74
p0 −67.32 ± 23.73
pull
Entries 75
Mean −59.58
Std Dev 0

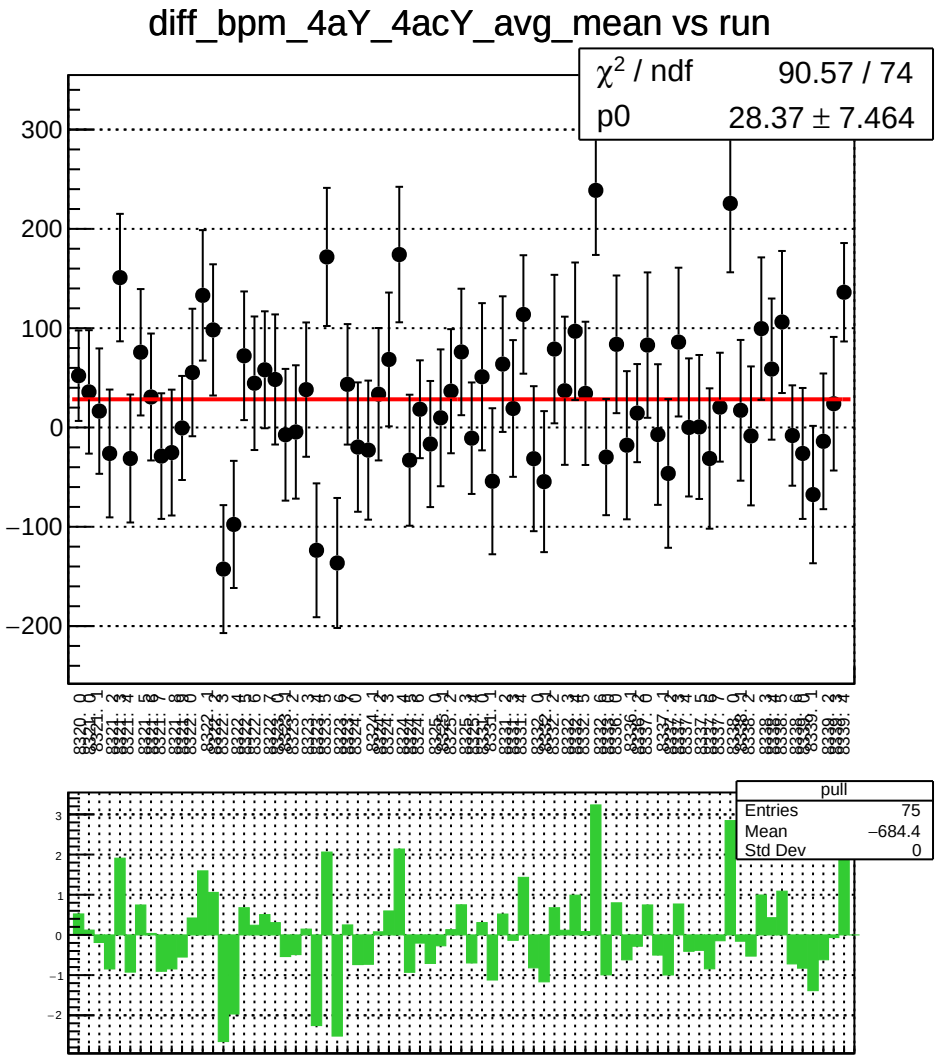

pull1D
Entries 75
Mean −0.007664
Std Dev 1.04

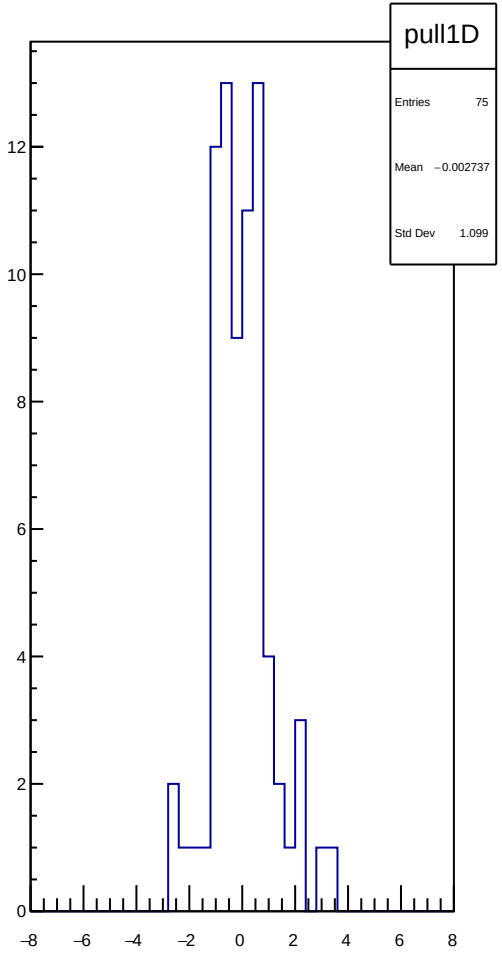

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 2980 / 74
p0 2.039e+04 ± 16.78
23000
22500
22000
21500
21000
20500
20000
19500
19000

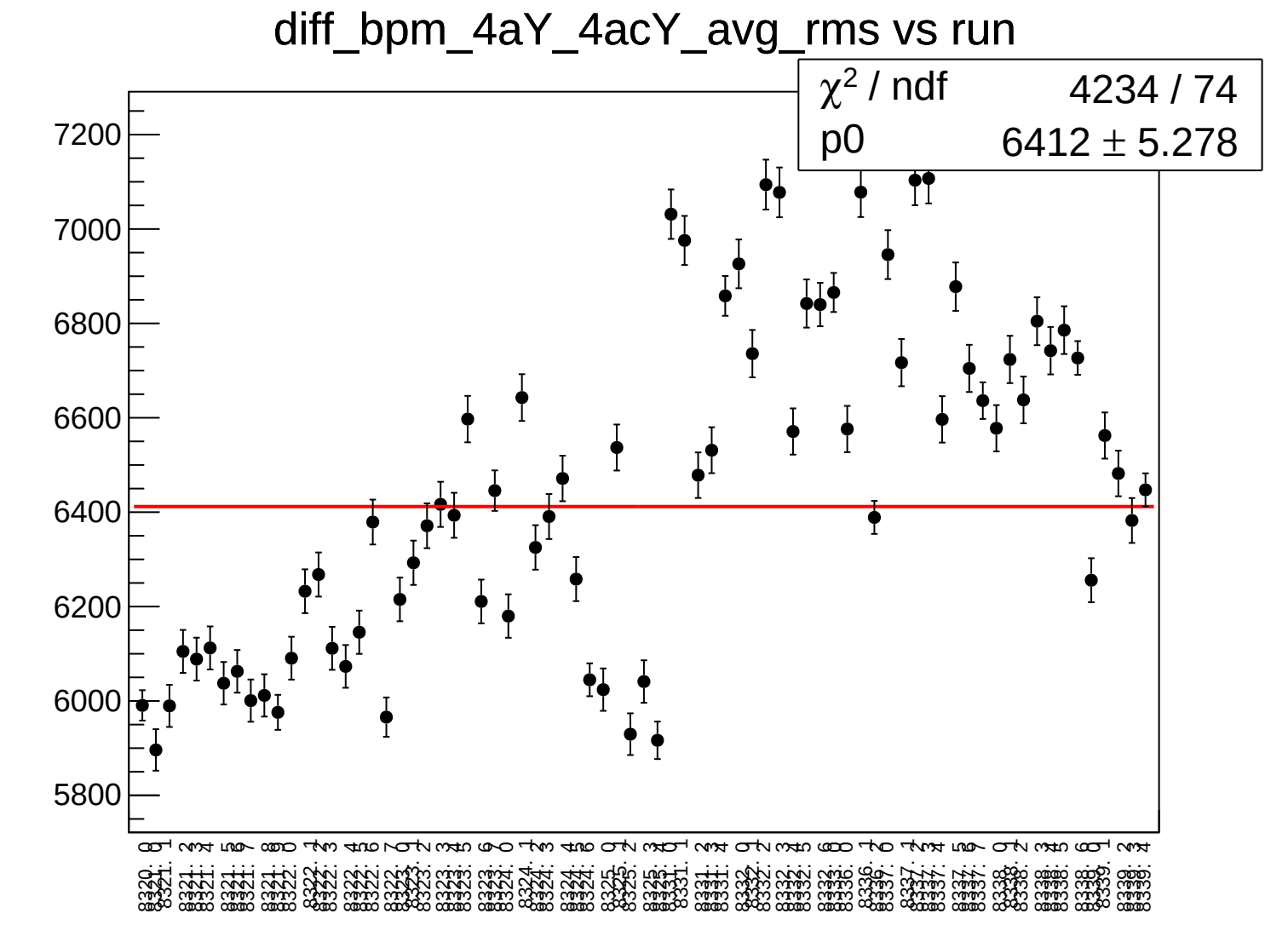

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 69.96 / 74
p0 0.5031 ± 0.38
pull
Entries 75
Mean 1096
Std Dev 0

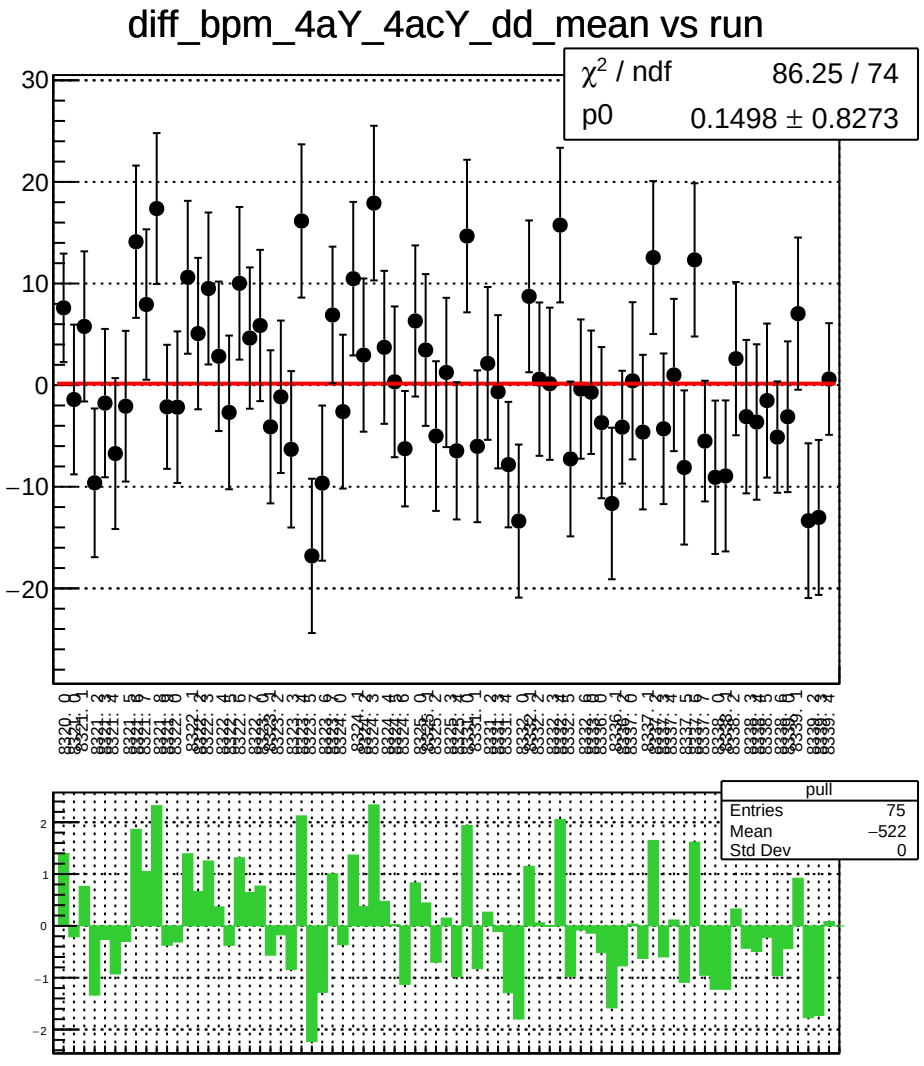

pull1D
Entries 75
Mean 0.0007815
Std Dev 0.9658

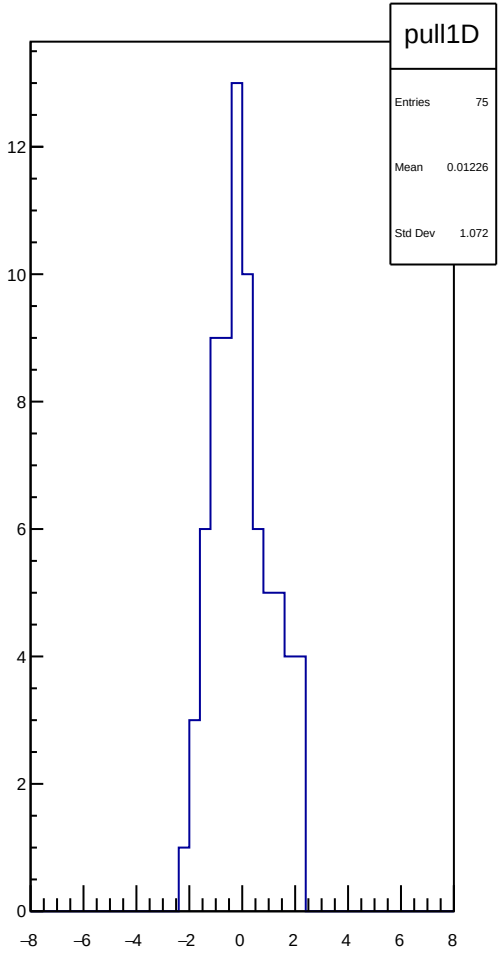

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 159.6 / 74
p0 326.9 ± 0.2687
335
330
325
320
315

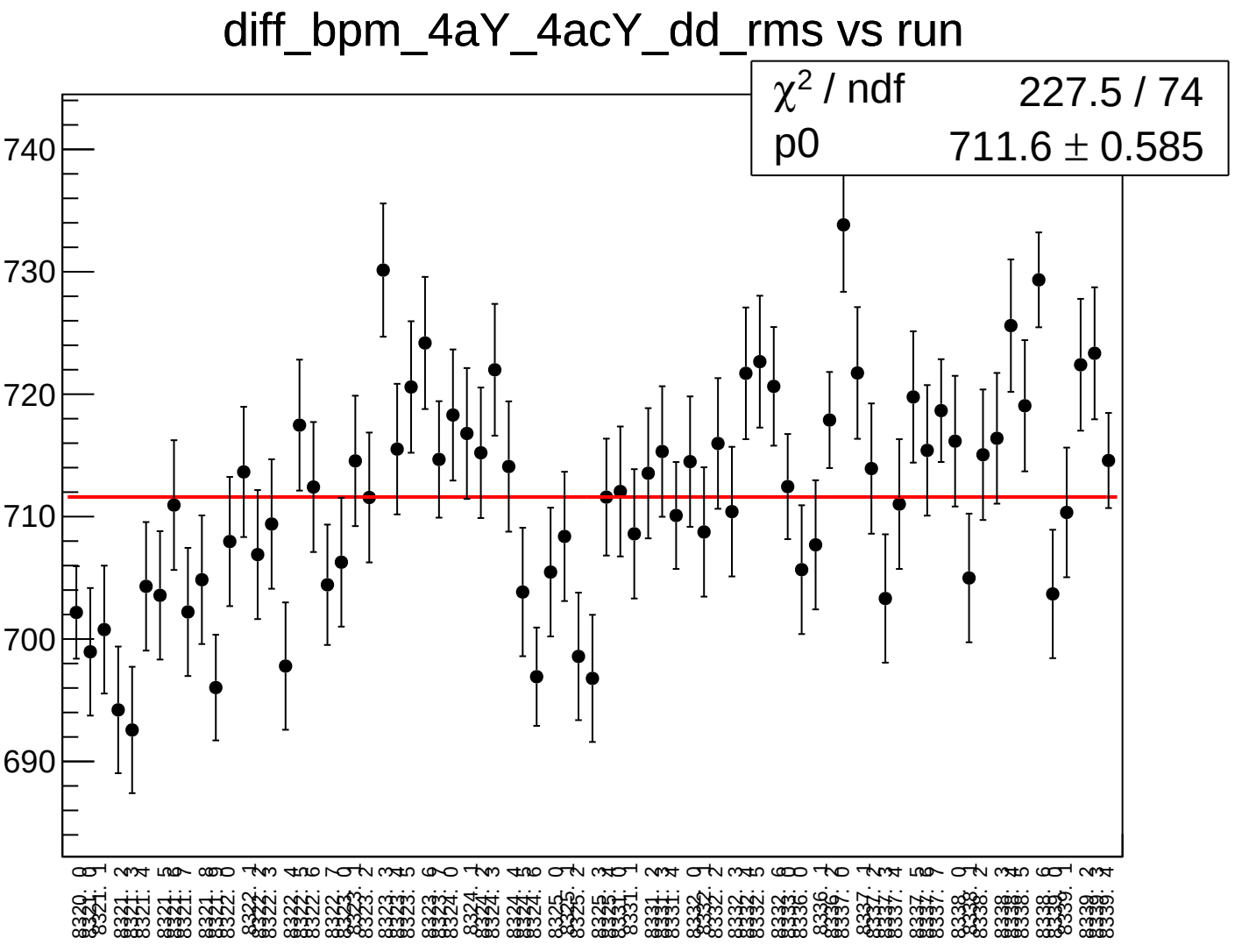

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 90.57 / 74
p0 28.37 ± 7.464
300
200
100
0
−100
−200
pull
Entries 75
Mean −684.4
Std Dev 0
3
2
1
0
−1
−2

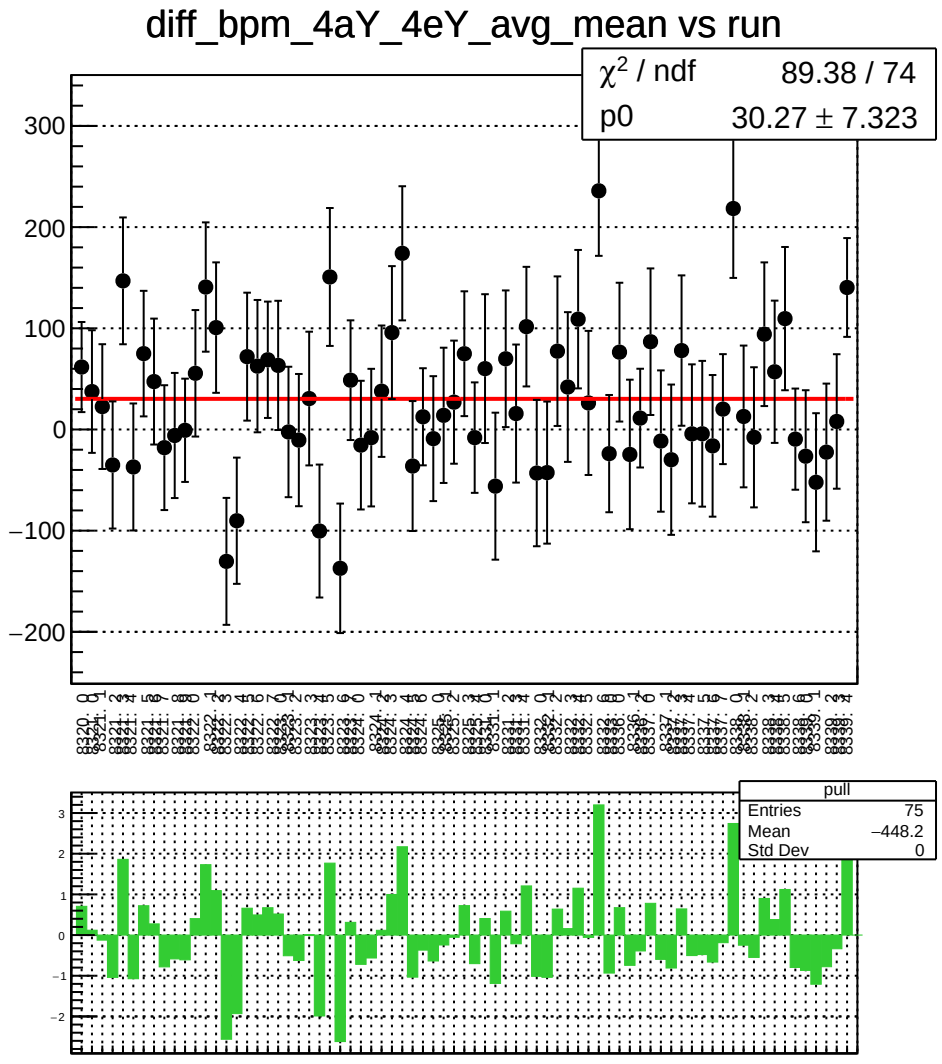

pull1D
Entries 75
Mean −0.002737
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

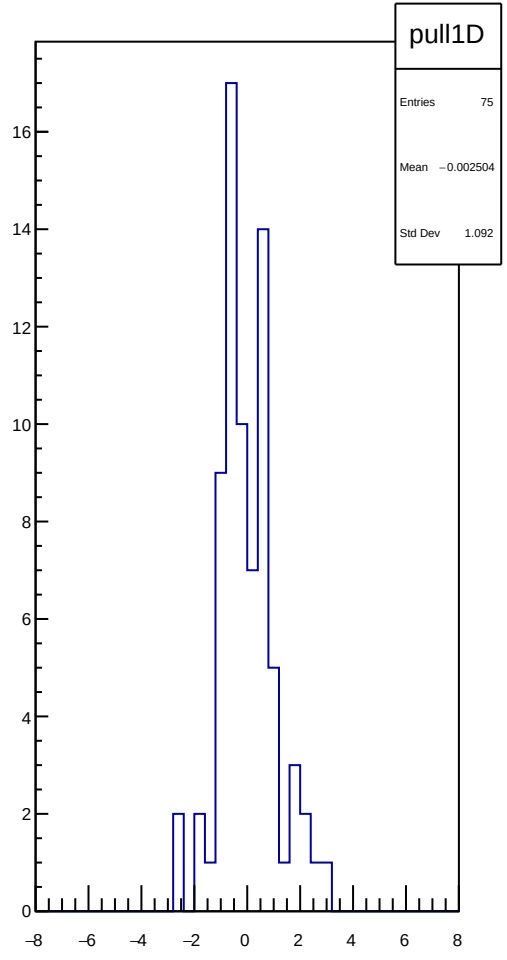

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 4234 / 74
p0 6412 ± 5.278
7200
7000
6800
6600
6400
6200
6000
5800

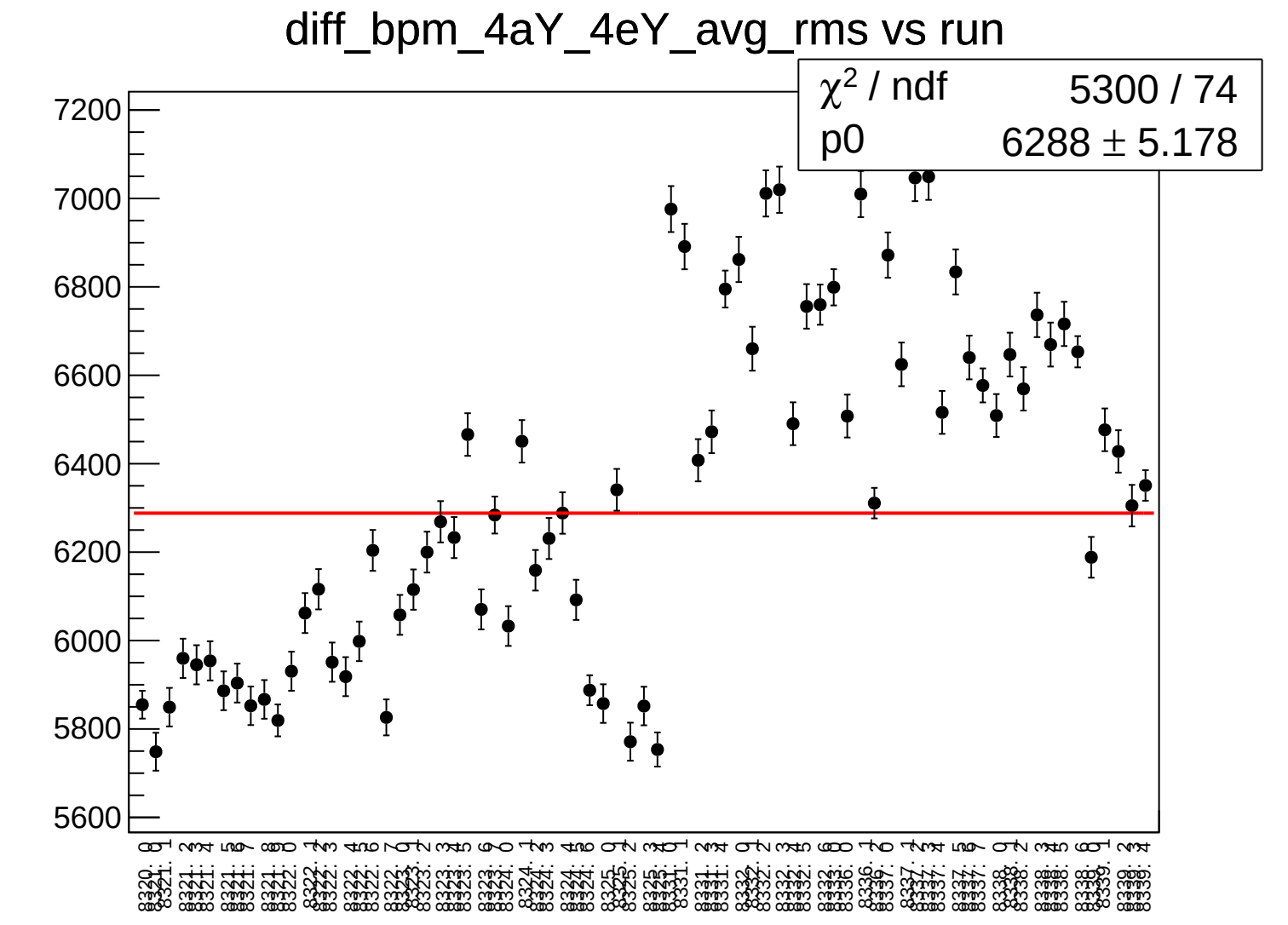

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 86.25 / 74
p0 0.1498 ± 0.8273
pull
Entries 75
Mean −522
Std Dev 0

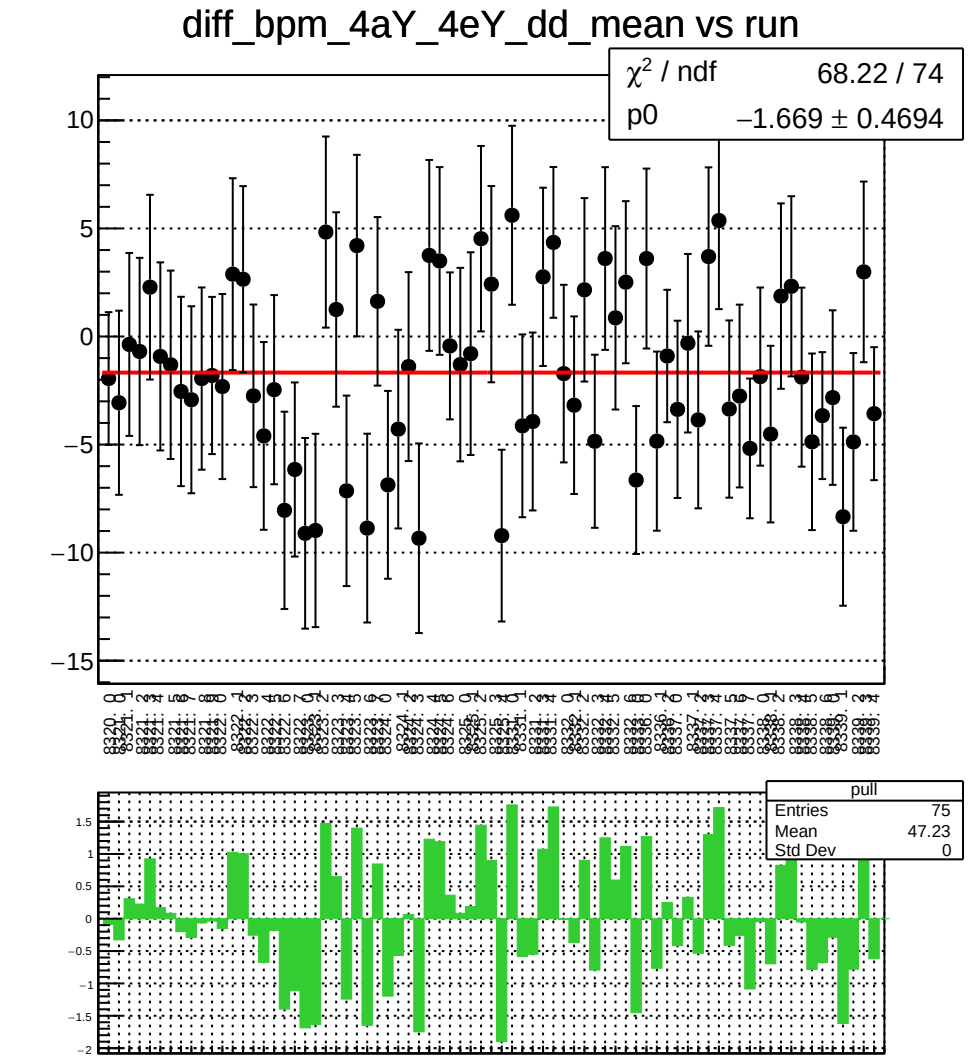

pull1D
Entries 75
Mean 0.01226
Std Dev 1.072

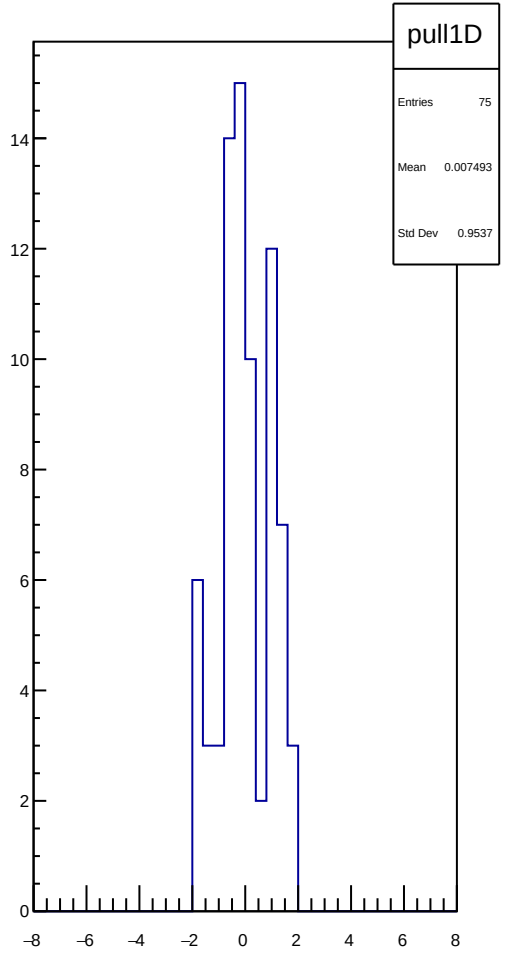

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 227.5 / 74
p0 711.6 ± 0.585
740
730
720
710
700
690

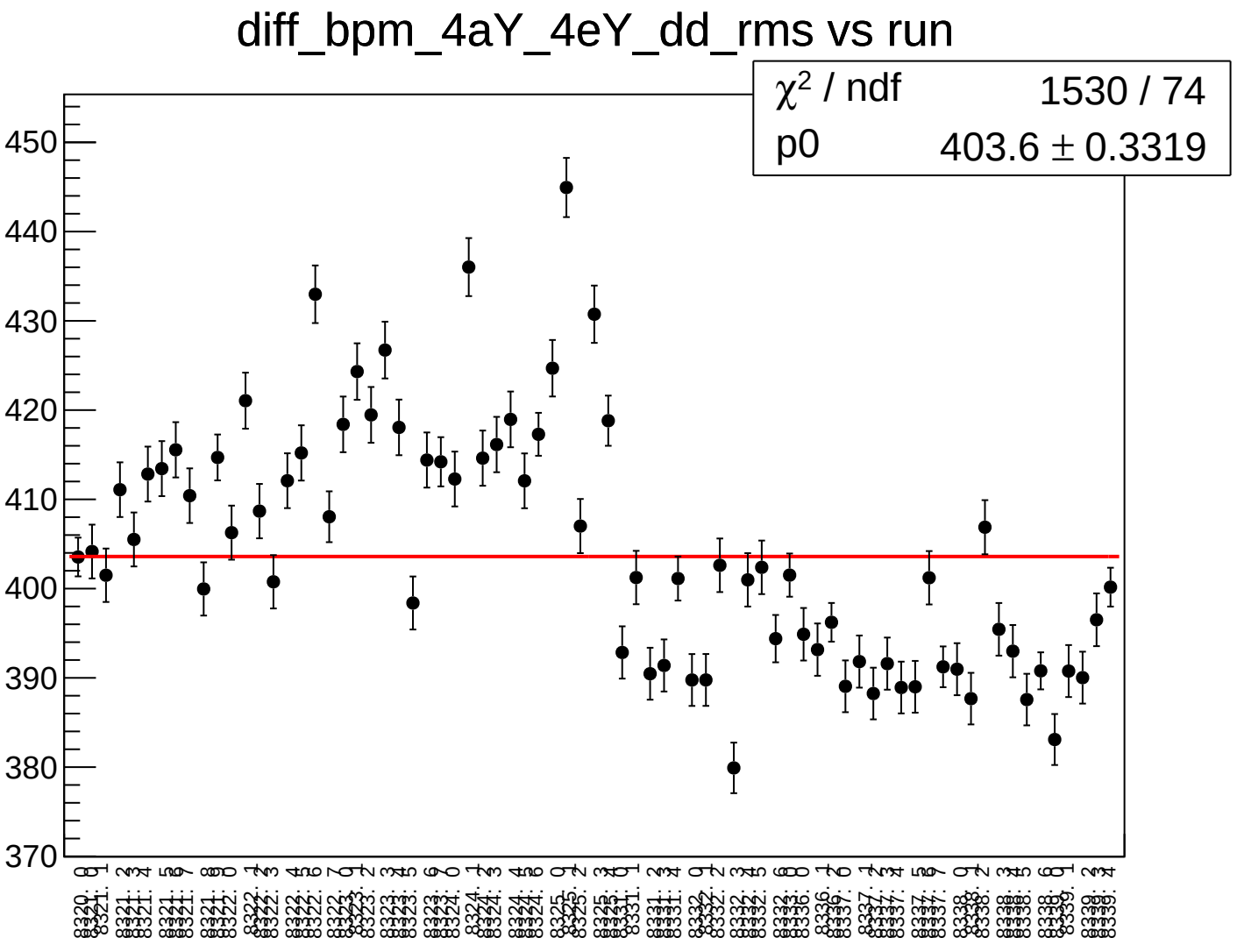

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 89.38 / 74
p0 30.27 ± 7.323
300
200
100
0
−100
−200
pull
Entries 75
Mean −448.2
Std Dev 0
3
2
1
0
−1
−2

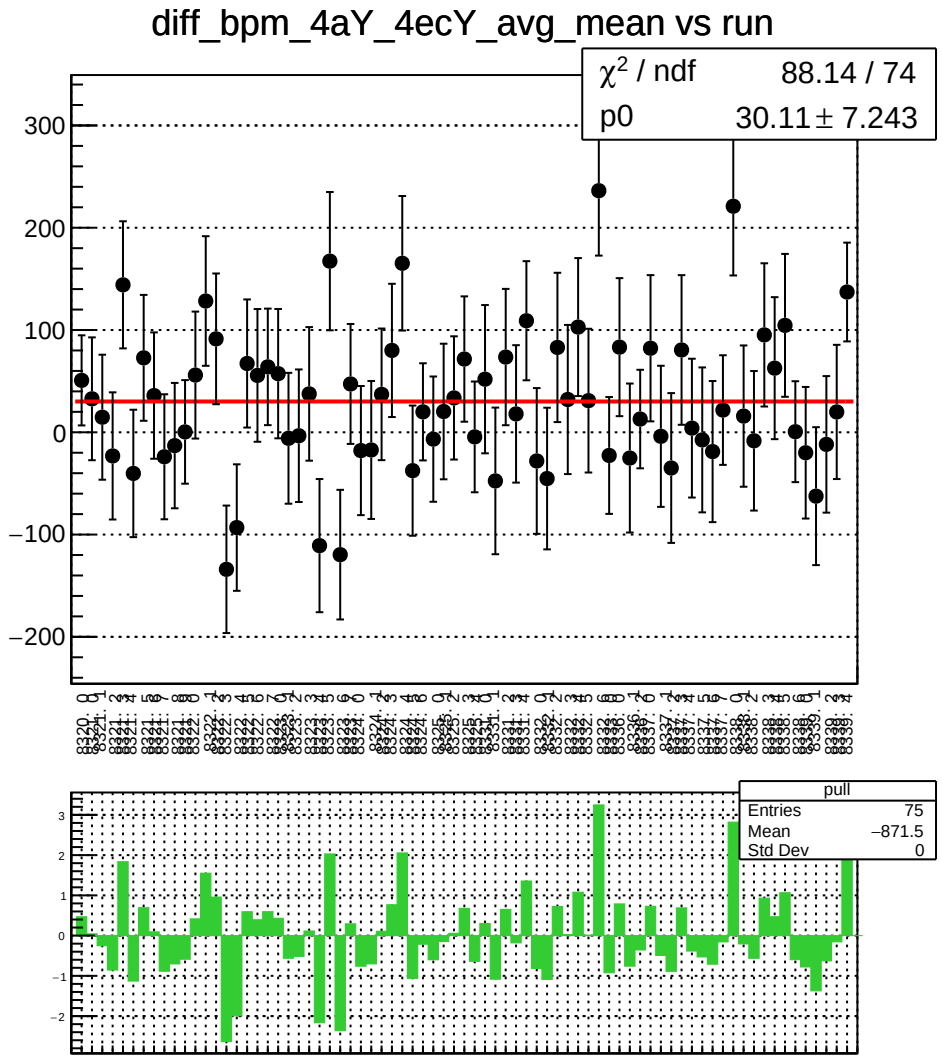

pull1D
Entries 75
Mean −0.002504
Std Dev 1.092
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

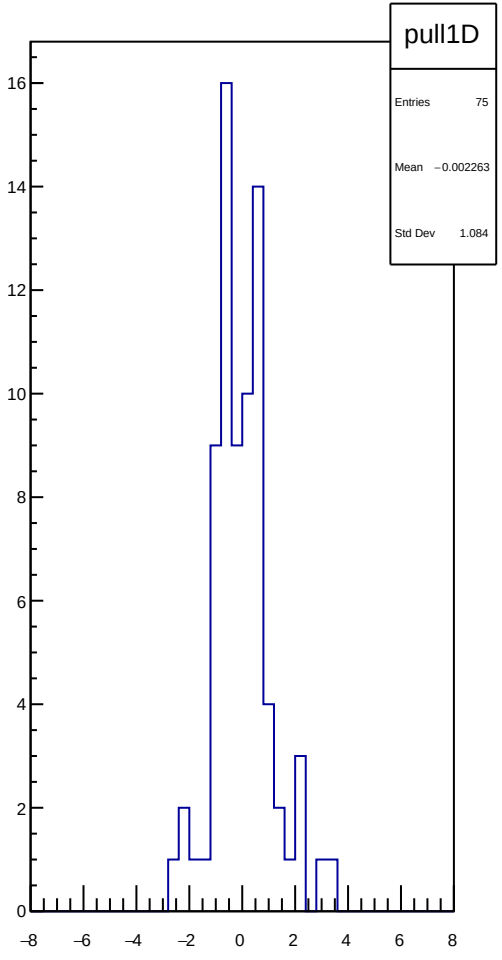

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 5300 / 74
p0 6288 ± 5.178
7200
7000
6800
6600
6400
6200
6000
5800
5600

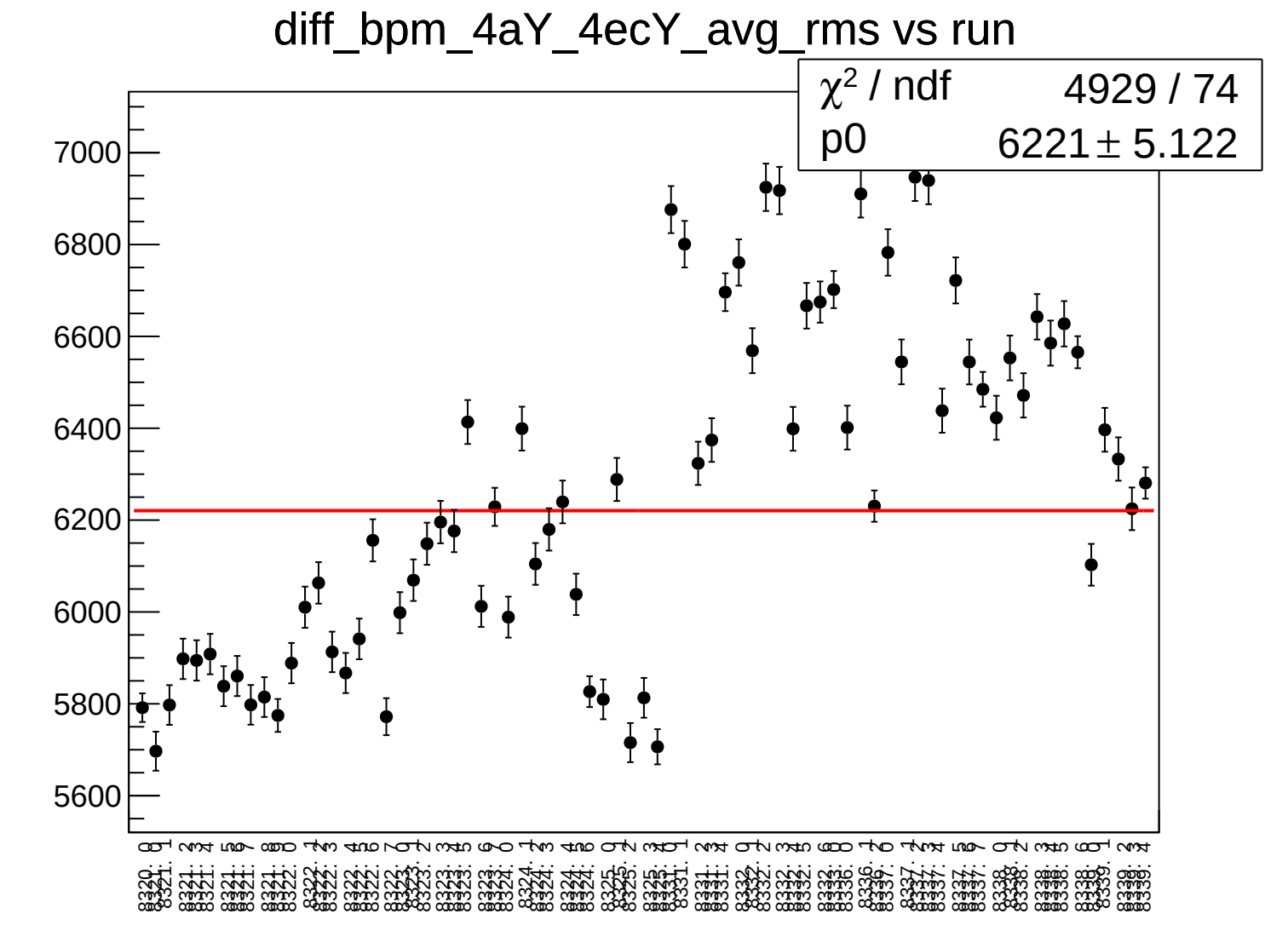

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 68.22 / 74
p0 −1.669 ± 0.4694
pull
Entries 75
Mean 47.23
Std Dev 0

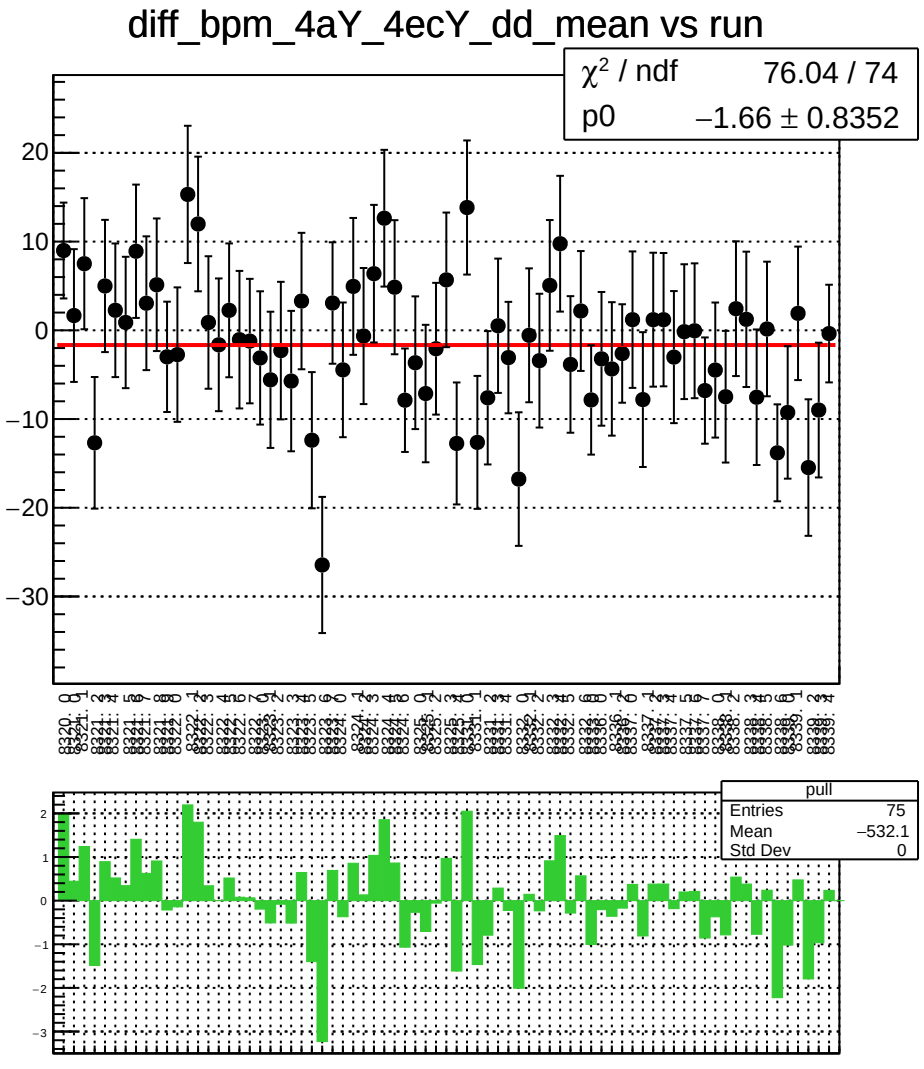

pull1D
Entries 75
Mean 0.007493
Std Dev 0.9537

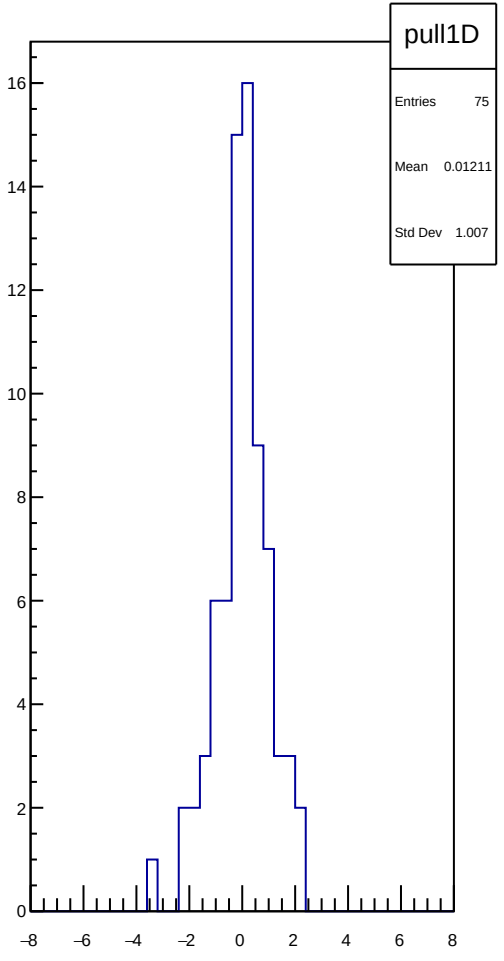

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 1530 / 74
p0 403.6 ± 0.3319
450
440
430
420
410
400
390
380
370

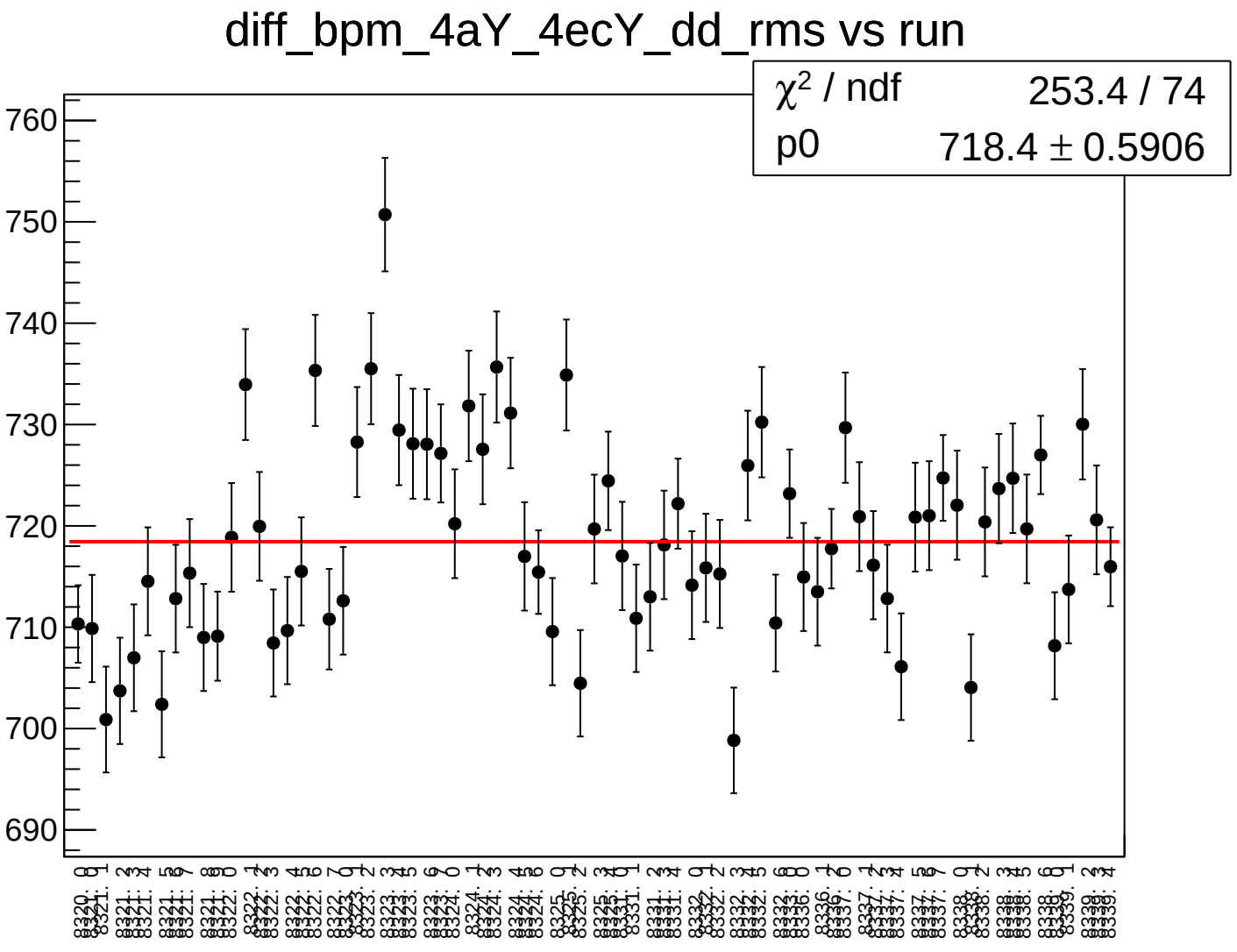

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 88.14 / 74
p0 30.11 ± 7.243
pull
Entries 75
Mean −871.5
Std Dev 0

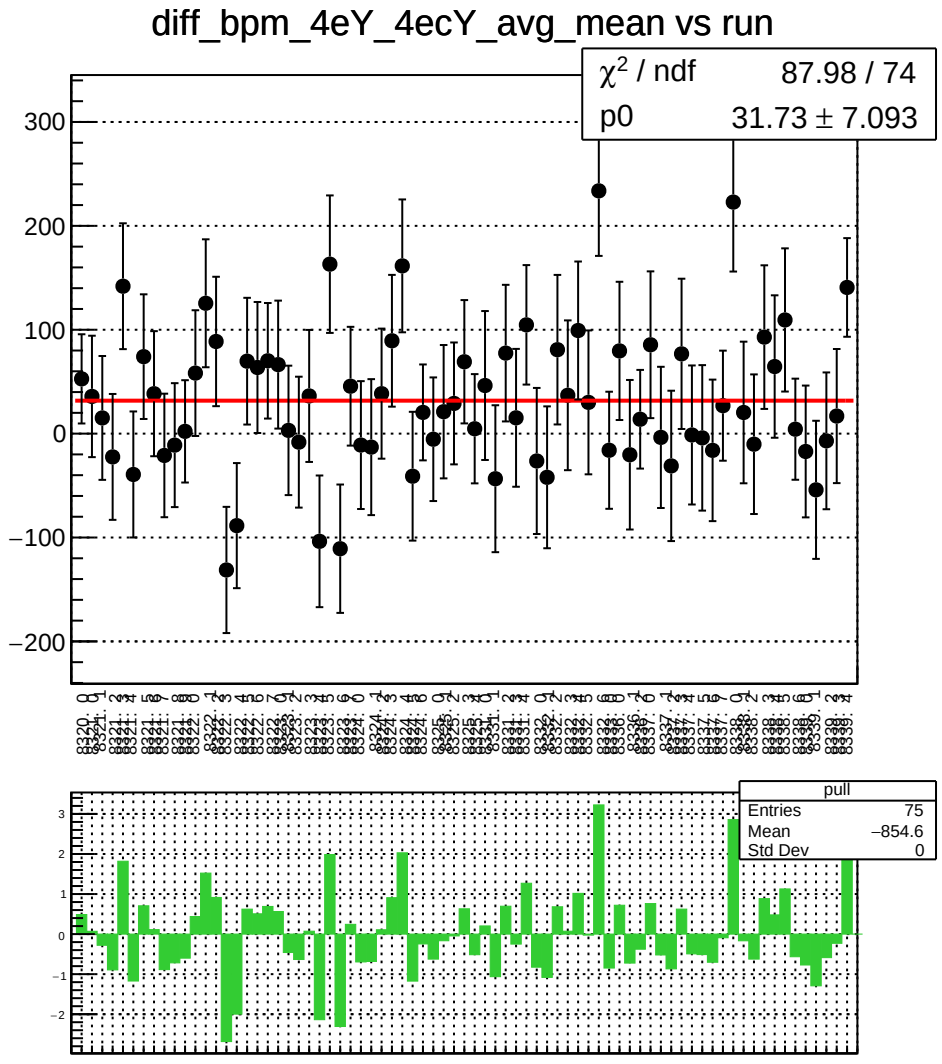

pull1D
Entries 75
Mean −0.002263
Std Dev 1.084

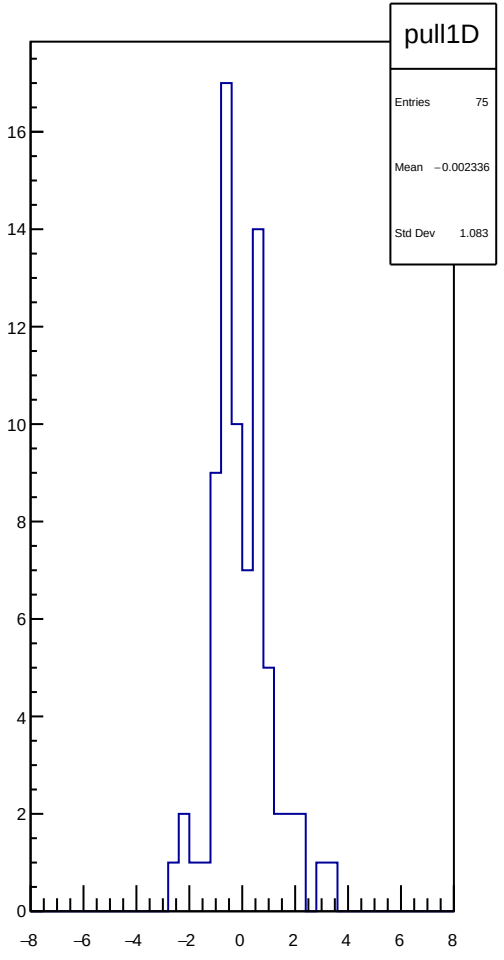

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 4929 / 74
p0 6221 ± 5.122
7000
6800
6600
6400
6200
6000
5800
5600

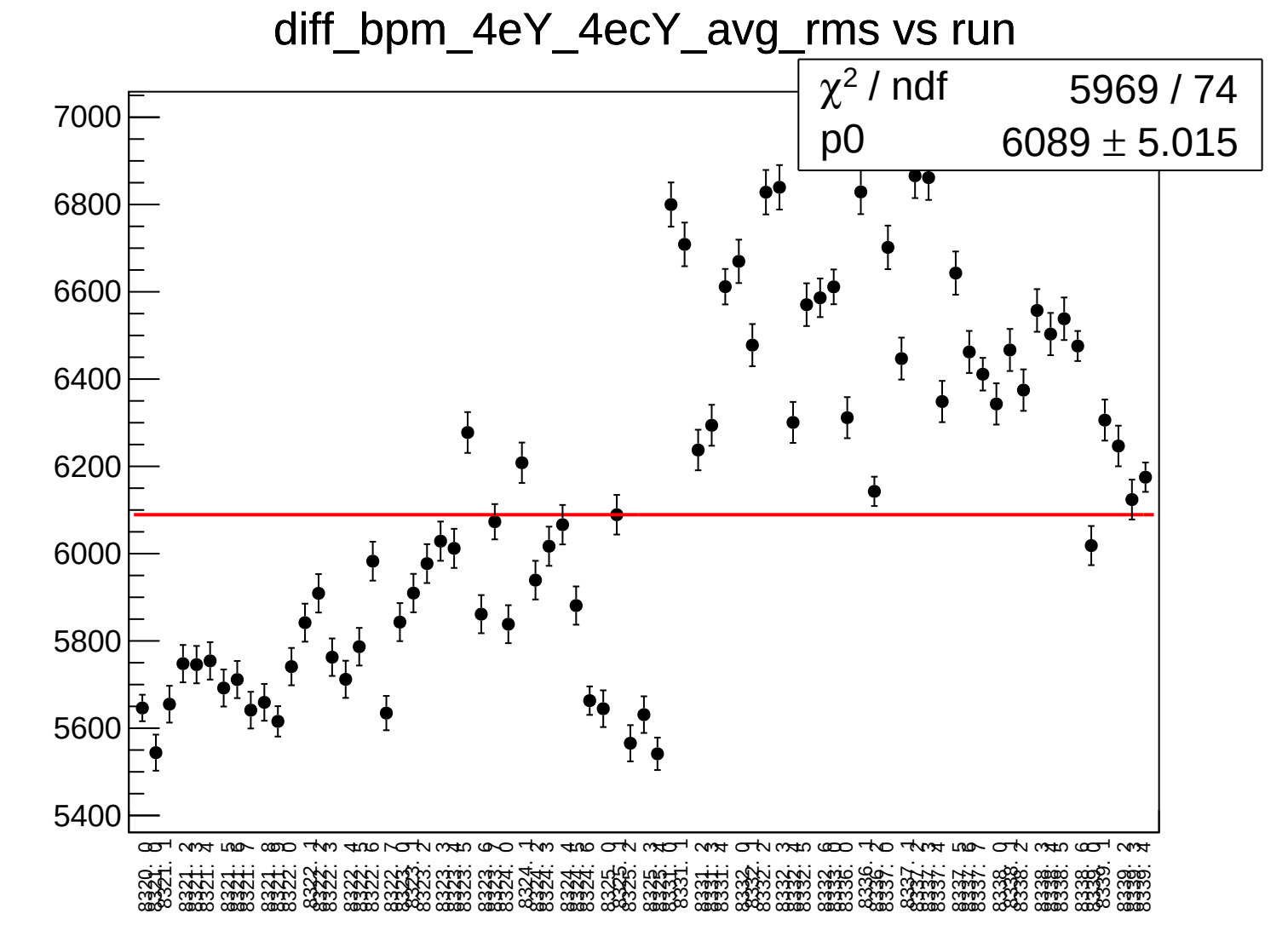

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 76.04 / 74
p0 −1.66 ± 0.8352
pull
Entries 75
Mean −532.1
Std Dev 0

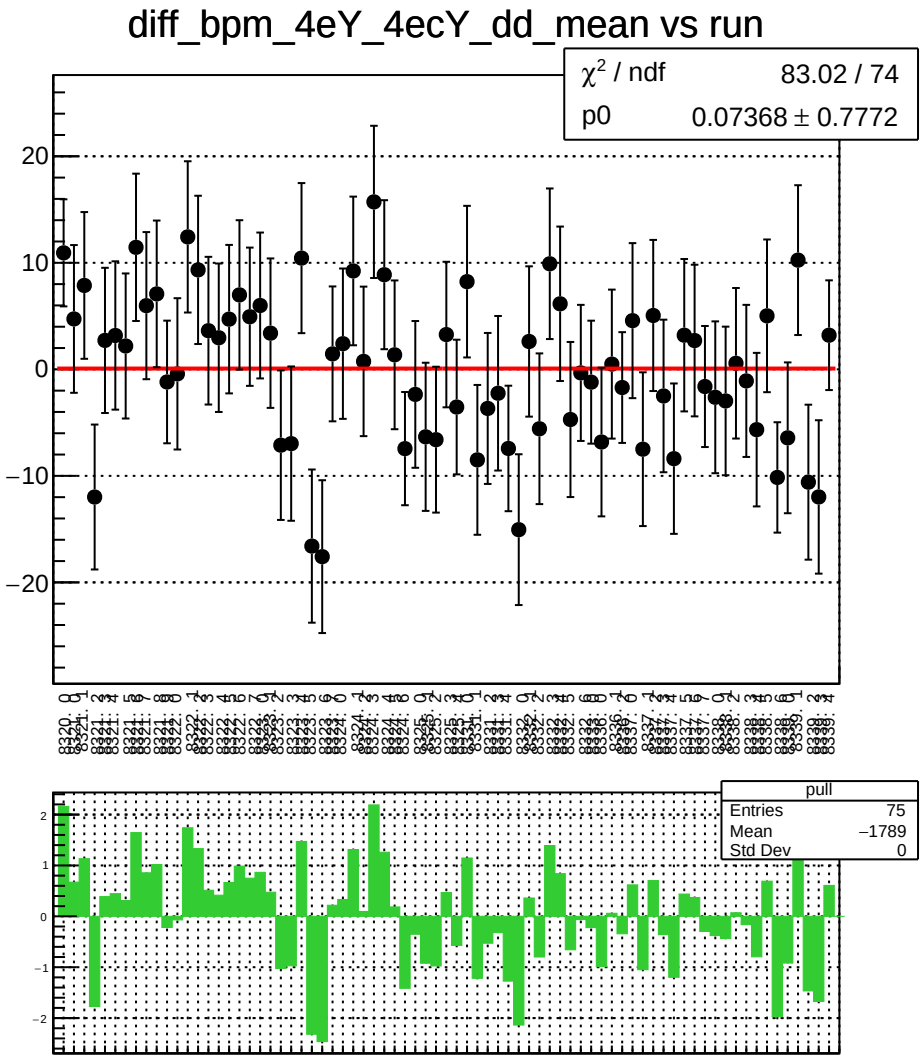

pull1D
Entries 75
Mean 0.01211
Std Dev 1.007

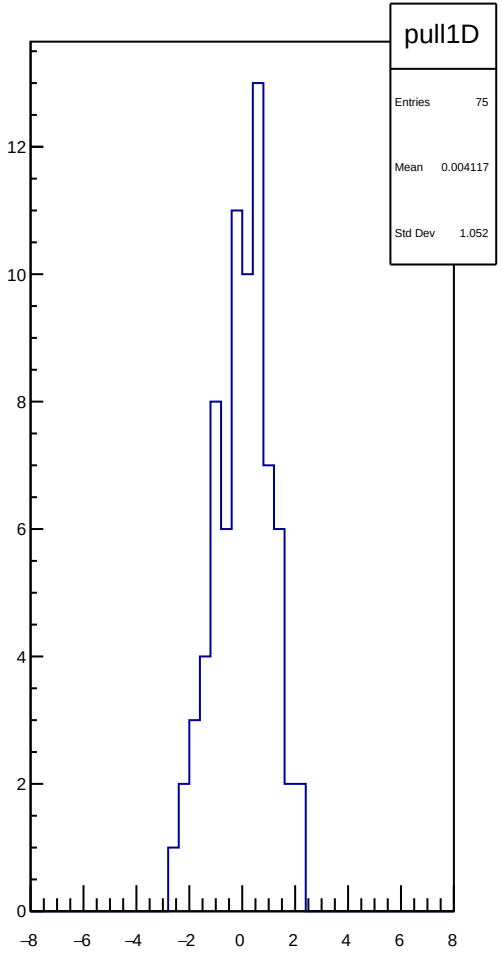

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 253.4 / 74
p0 718.4 ± 0.5906
760
750
740
730
720
710
700
690

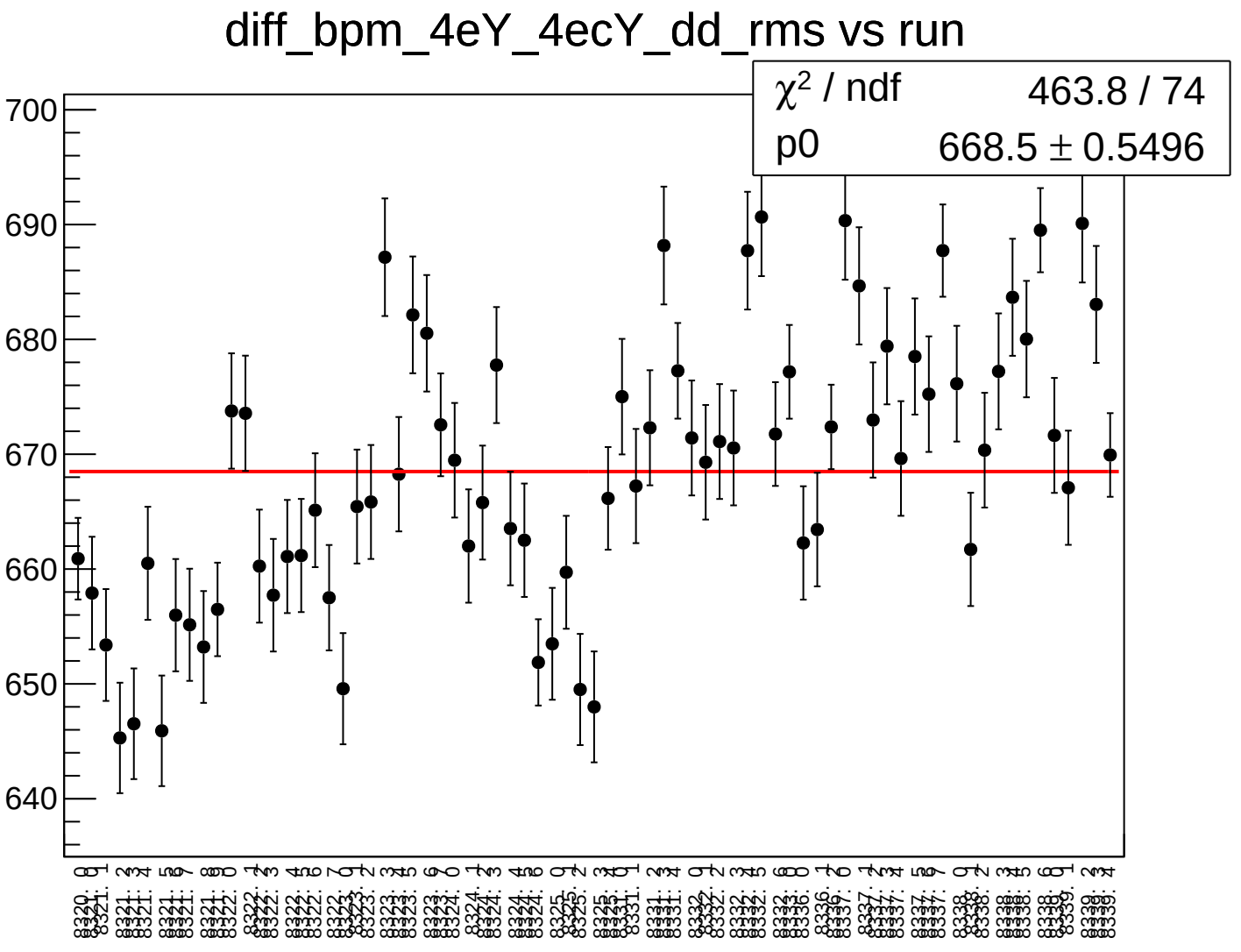

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 87.98 / 74
p0 31.73 ± 7.093
pull
Entries 75
Mean −854.6
Std Dev 0

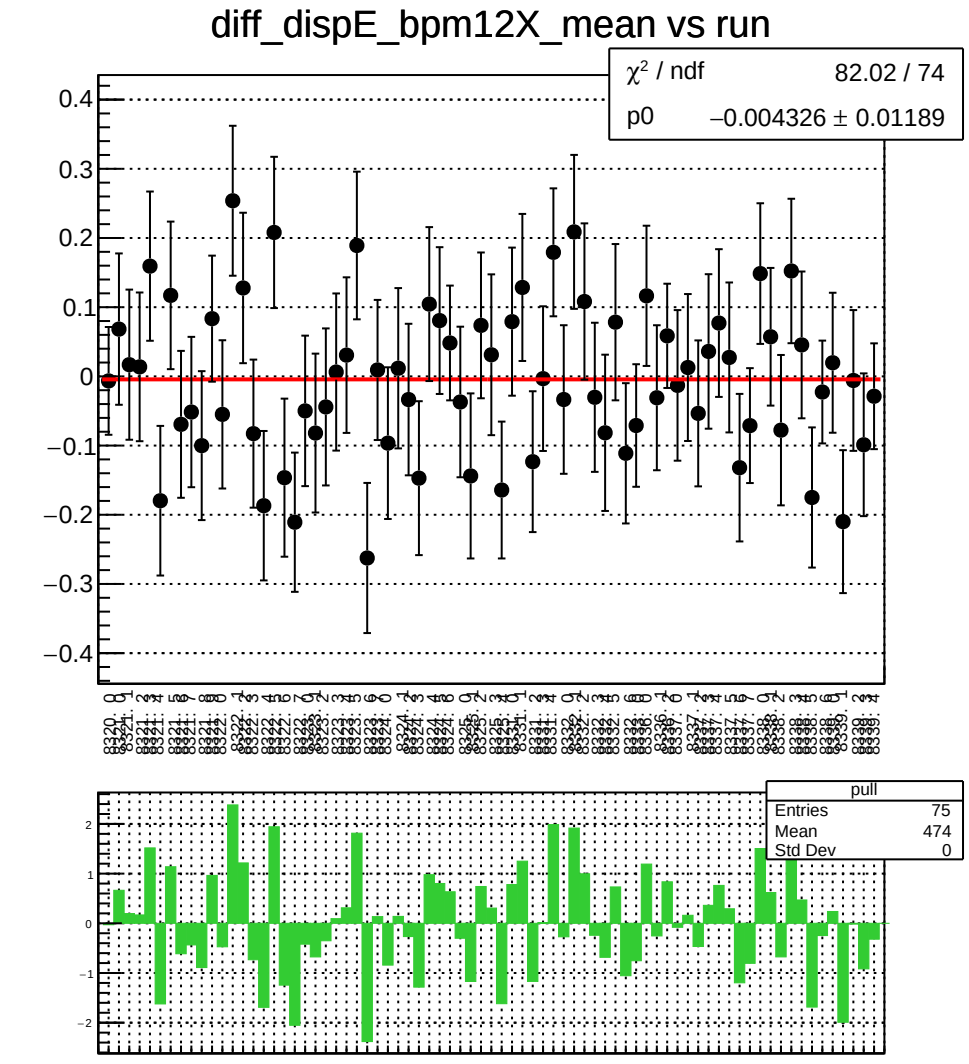

pull1D
Entries 75
Mean −0.002336
Std Dev 1.083

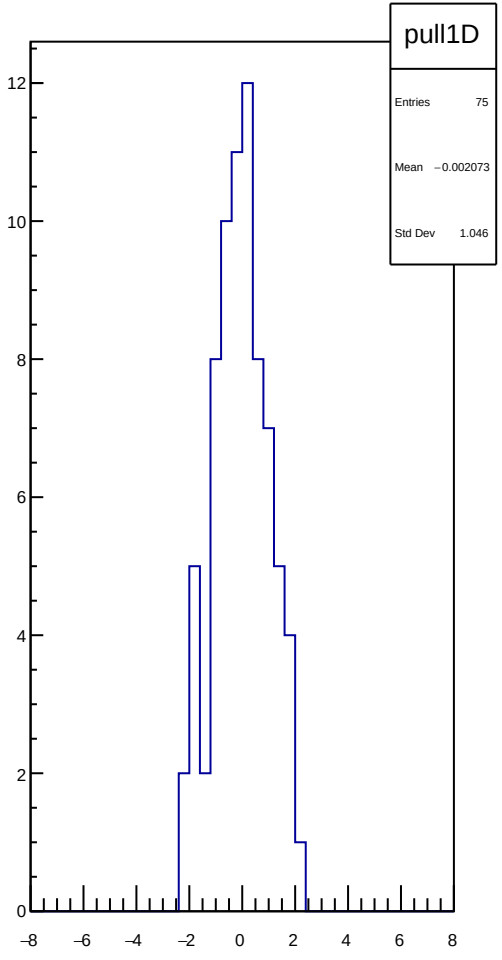

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 5969 / 74
p0 6089 ± 5.015
7000
6800
6600
6400
6200
6000
5800
5600
5400

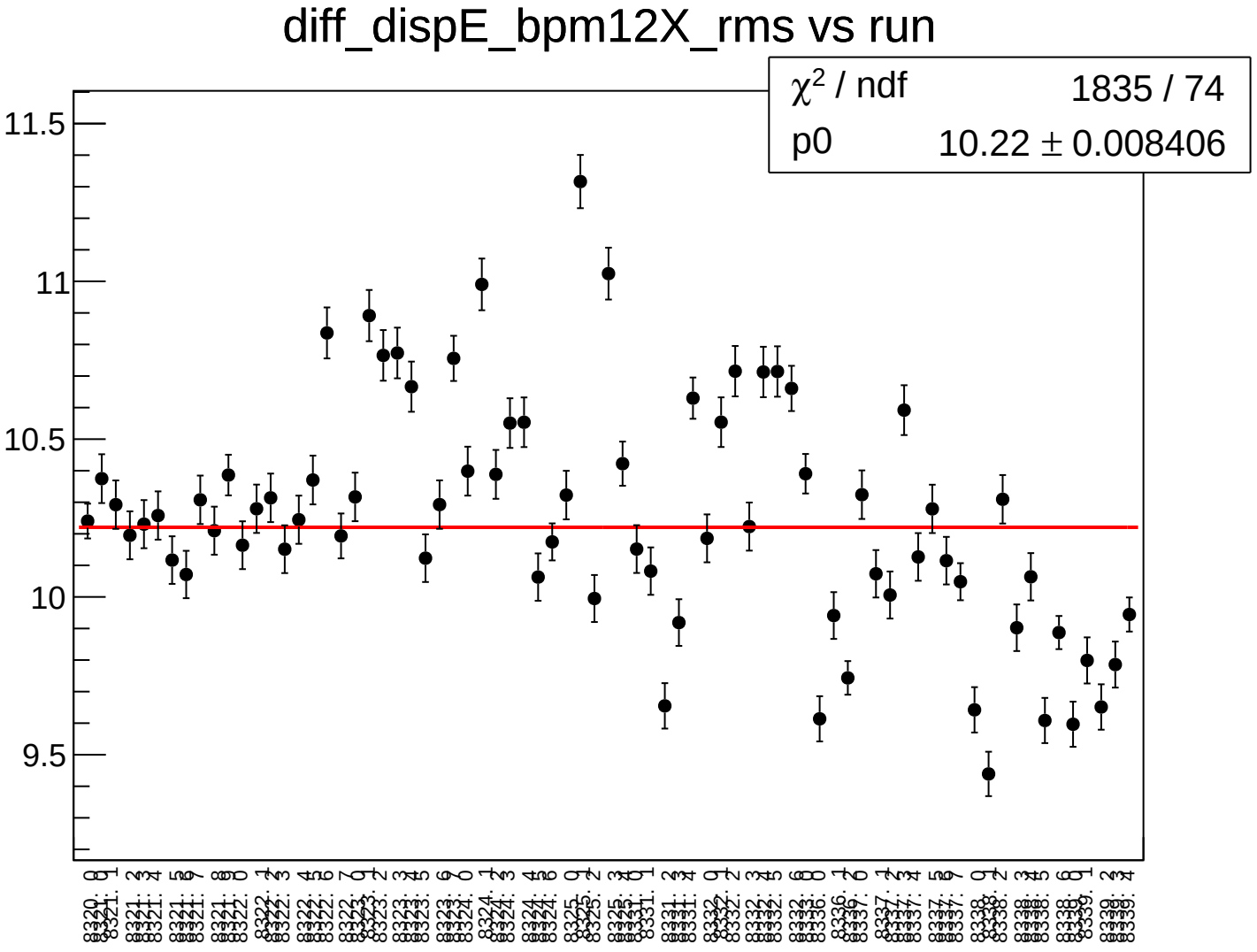

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 83.02 / 74
p0 0.07368 ± 0.7772
pull
Entries 75
Mean −1789
Std Dev 0

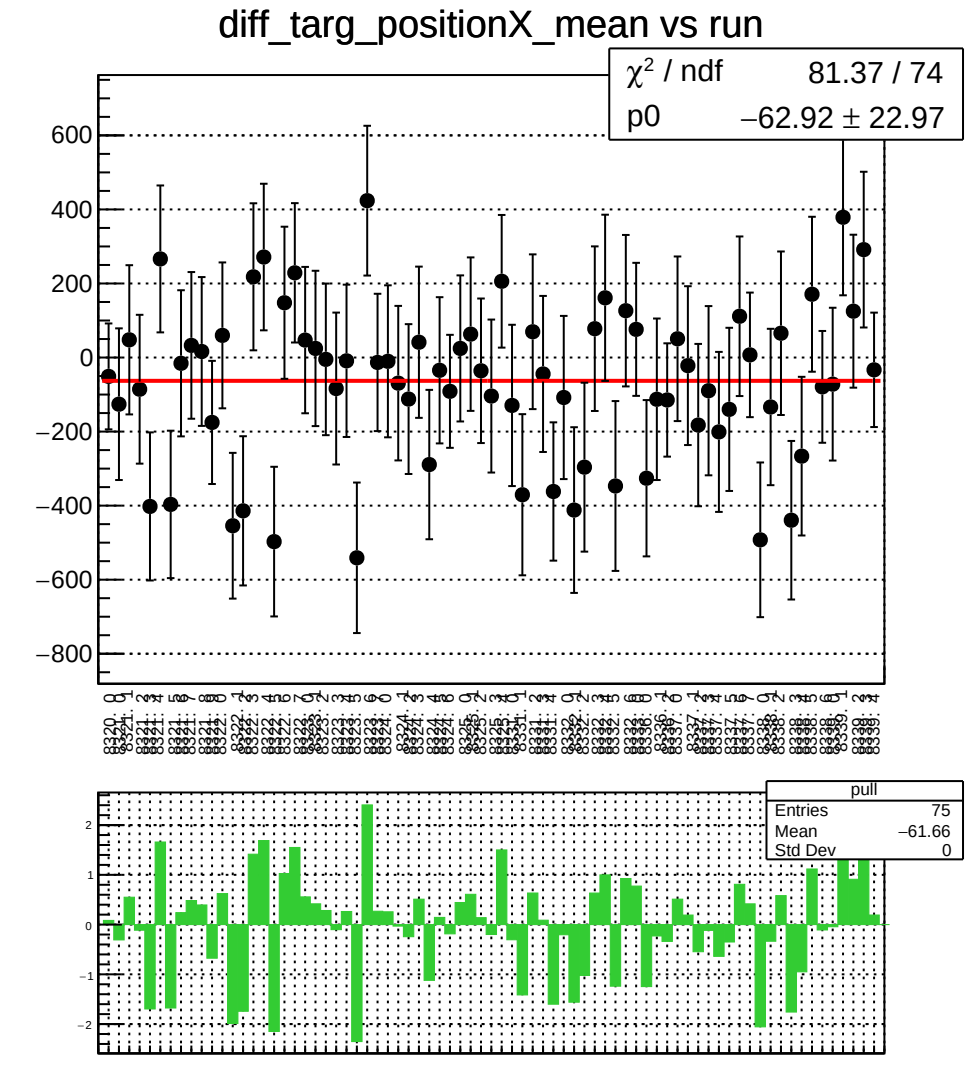

pull1D
Entries 75
Mean 0.004117
Std Dev 1.052

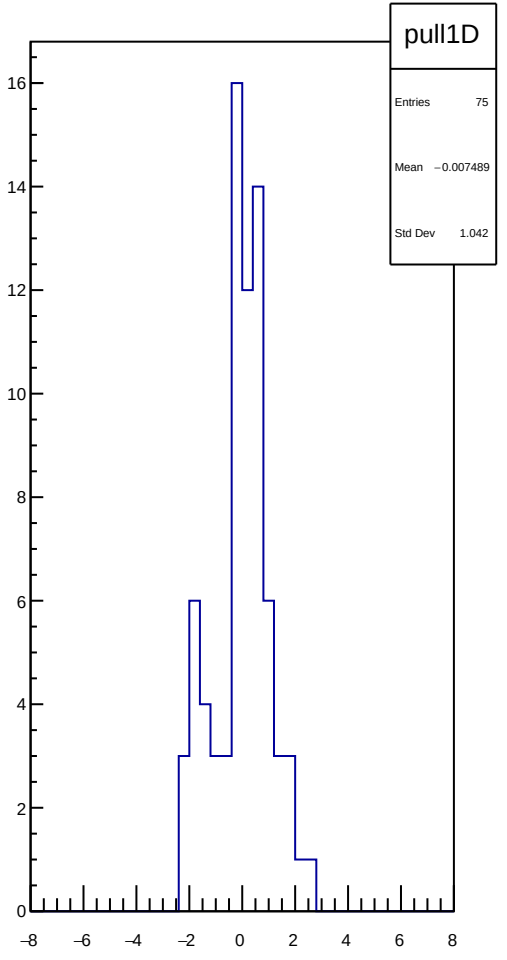

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 463.8 / 74
p0 668.5 ± 0.5496
700
690
680
670
660
650
640

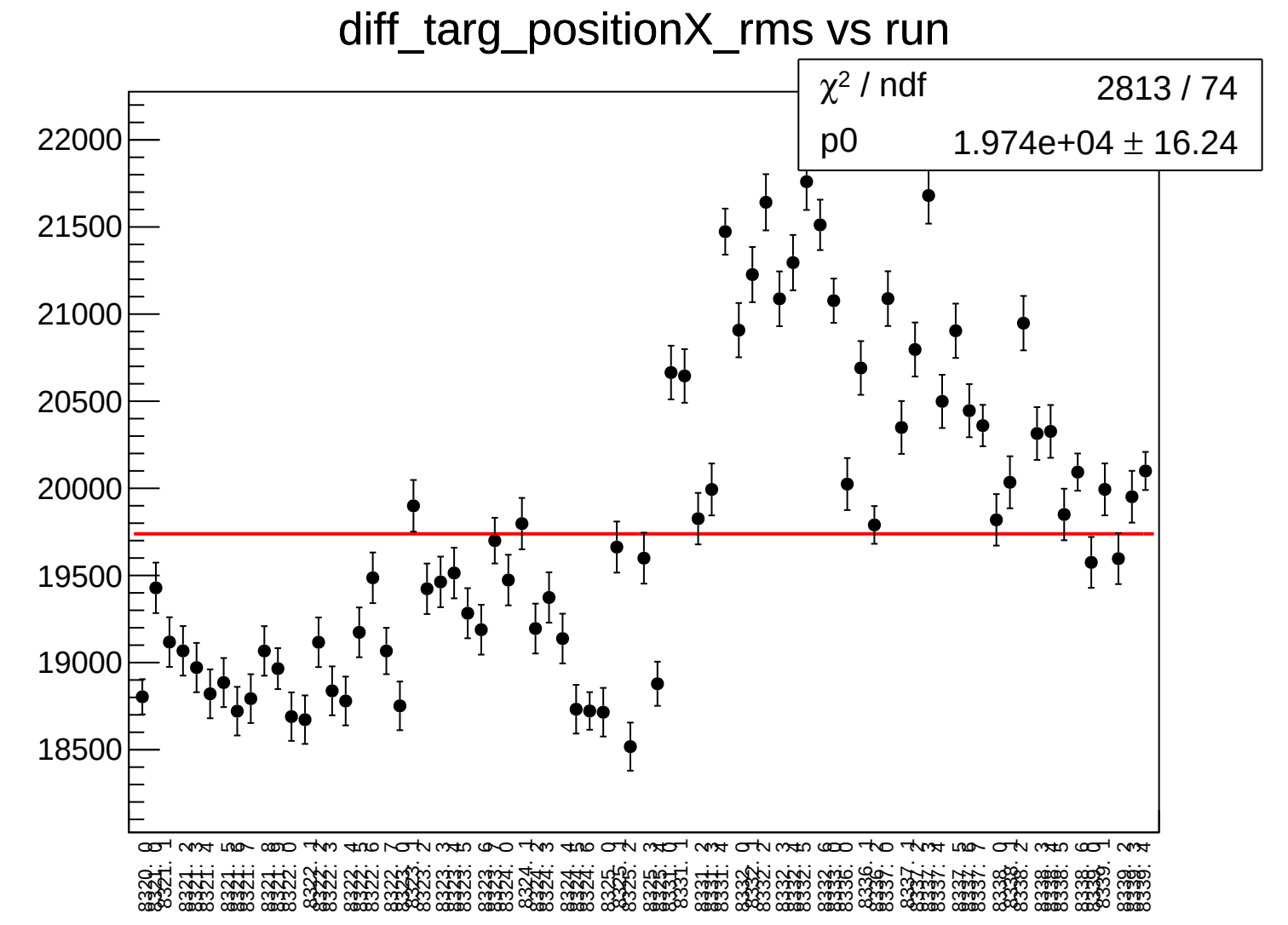

diff_dispE_bpm12X_mean vs run
χ² / ndf 82.02 / 74
p0 −0.004326 ± 0.01189
pull
Entries 75
Mean 474
Std Dev 0

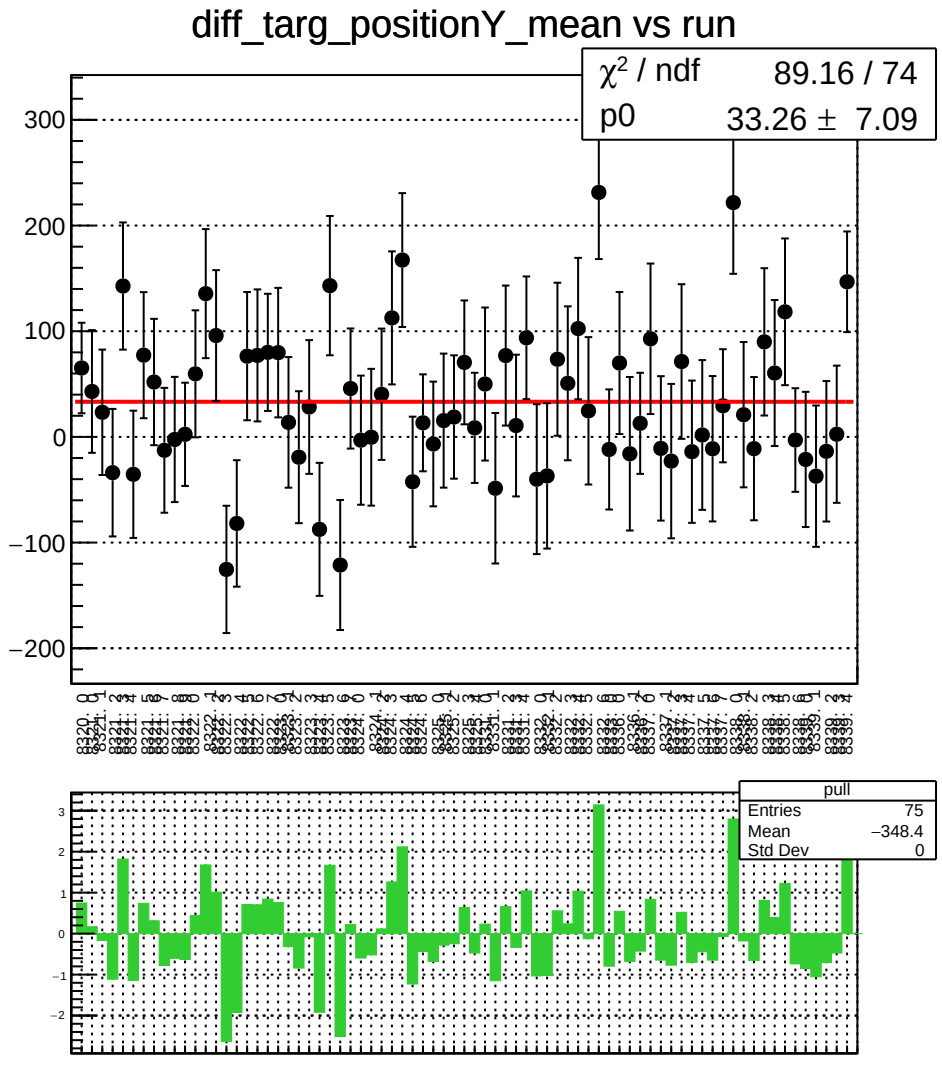

pull1D
Entries 75
Mean −0.002073
Std Dev 1.046

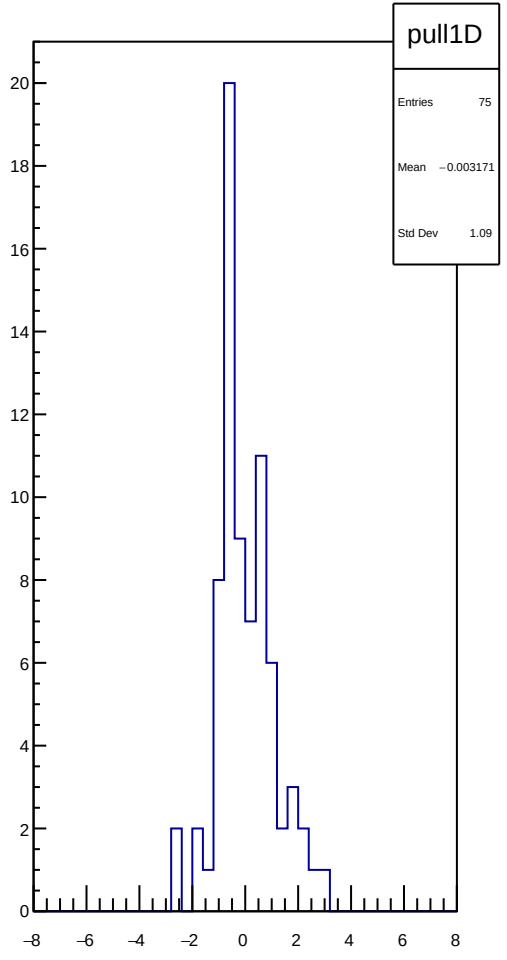

diff_dispE_bpm12X_rms vs run
χ² / ndf 1835 / 74
p0 10.22 ± 0.008406
11.5
11
10.5
10
9.5

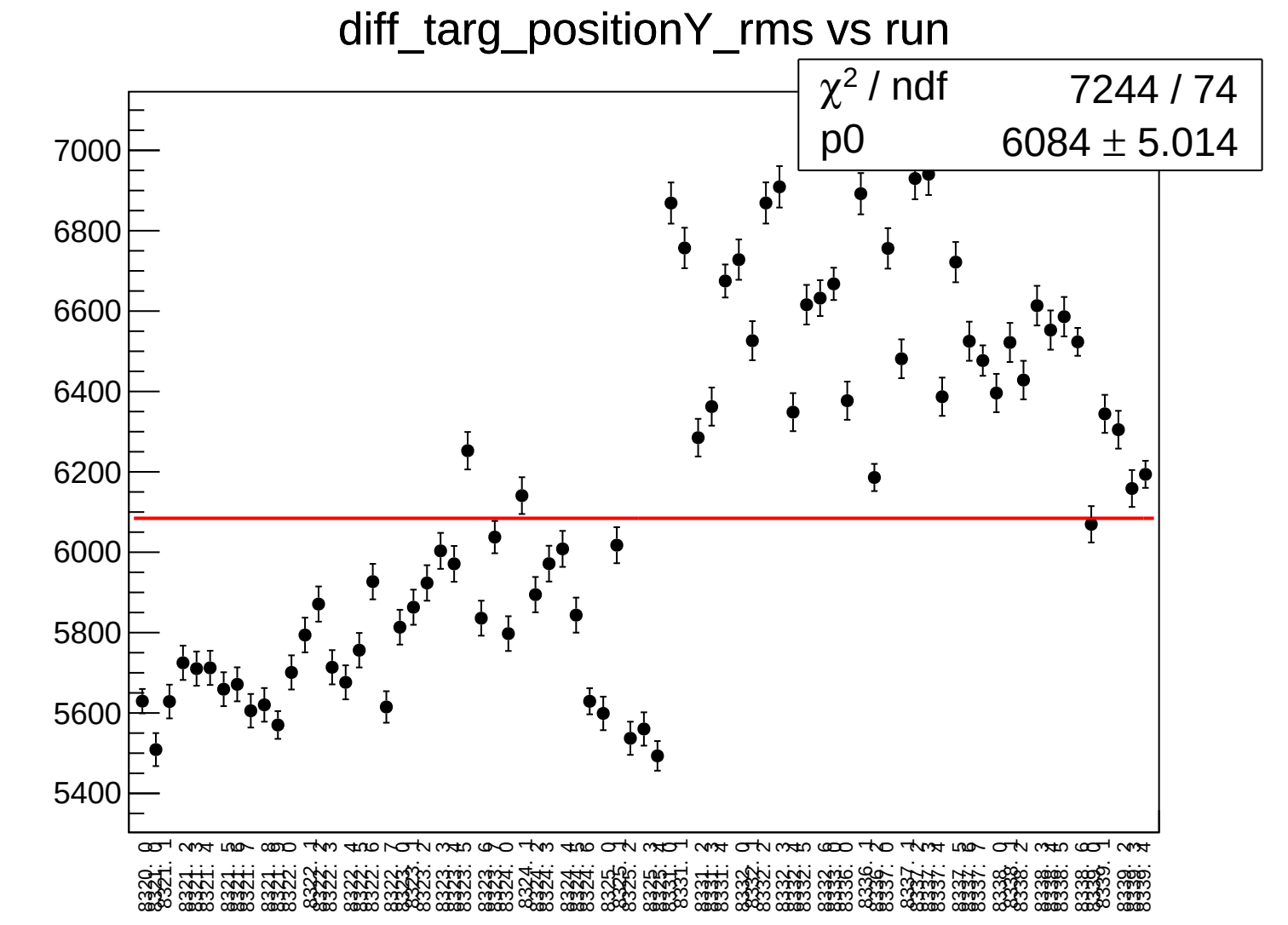

diff_targ_positionX_mean vs run
χ² / ndf 81.37 / 74
p0 −62.92 ± 22.97
pull
Entries 75
Mean −61.66
Std Dev 0

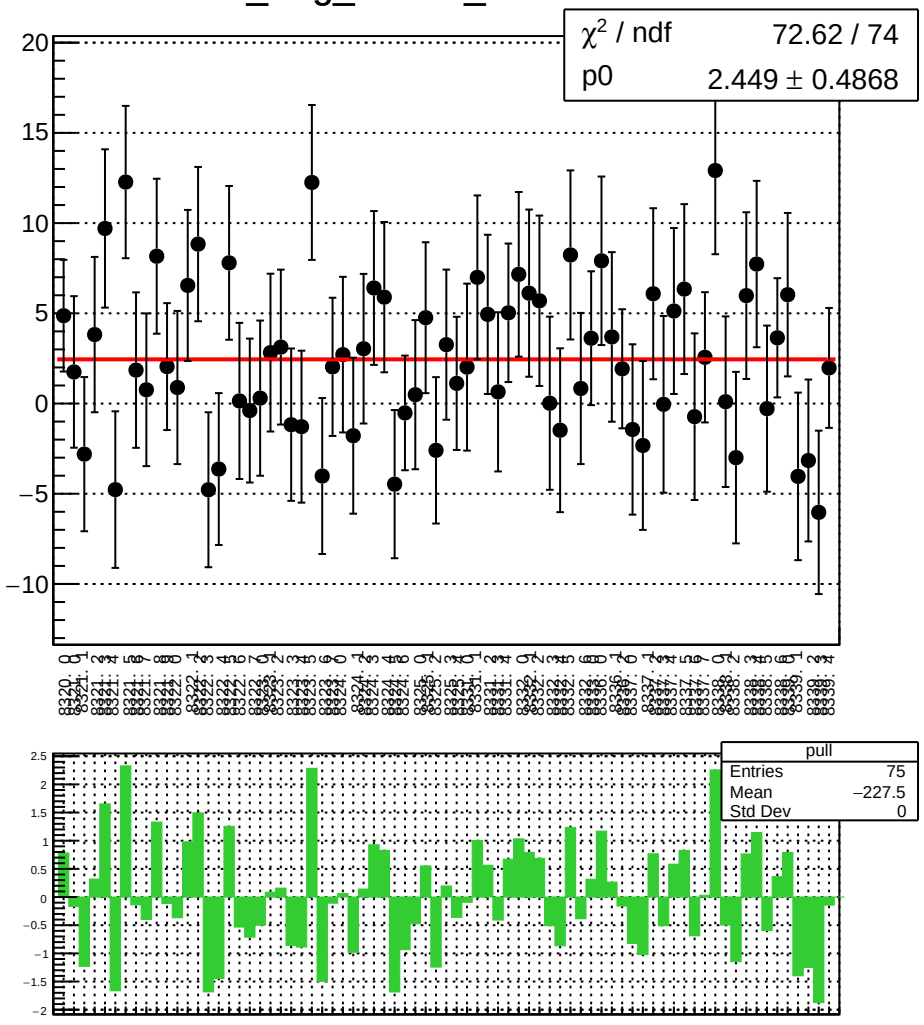

pull1D
Entries 75
Mean −0.007489
Std Dev 1.042

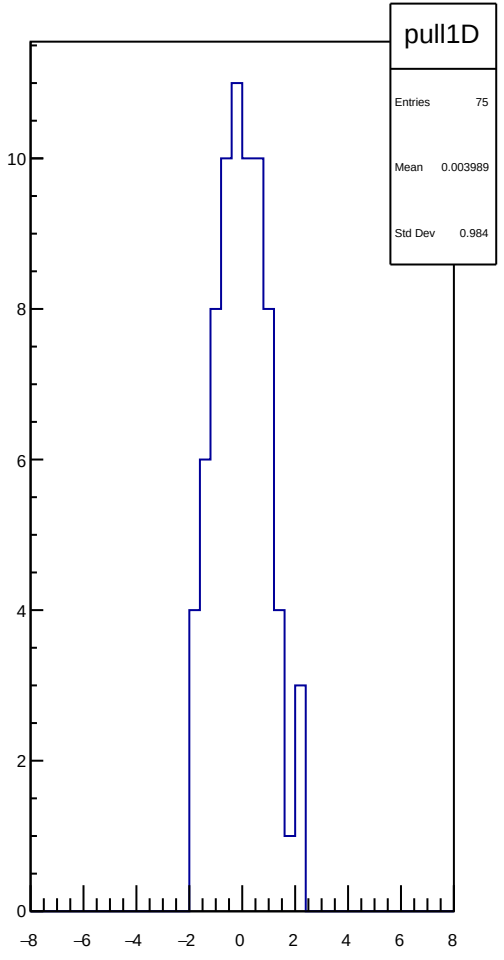

diff_targ_positionX_rms vs run
χ² / ndf 2813 / 74
p0 1.974e+04 ± 16.24
22000
21500
21000
20500
20000
19500
19000
18500

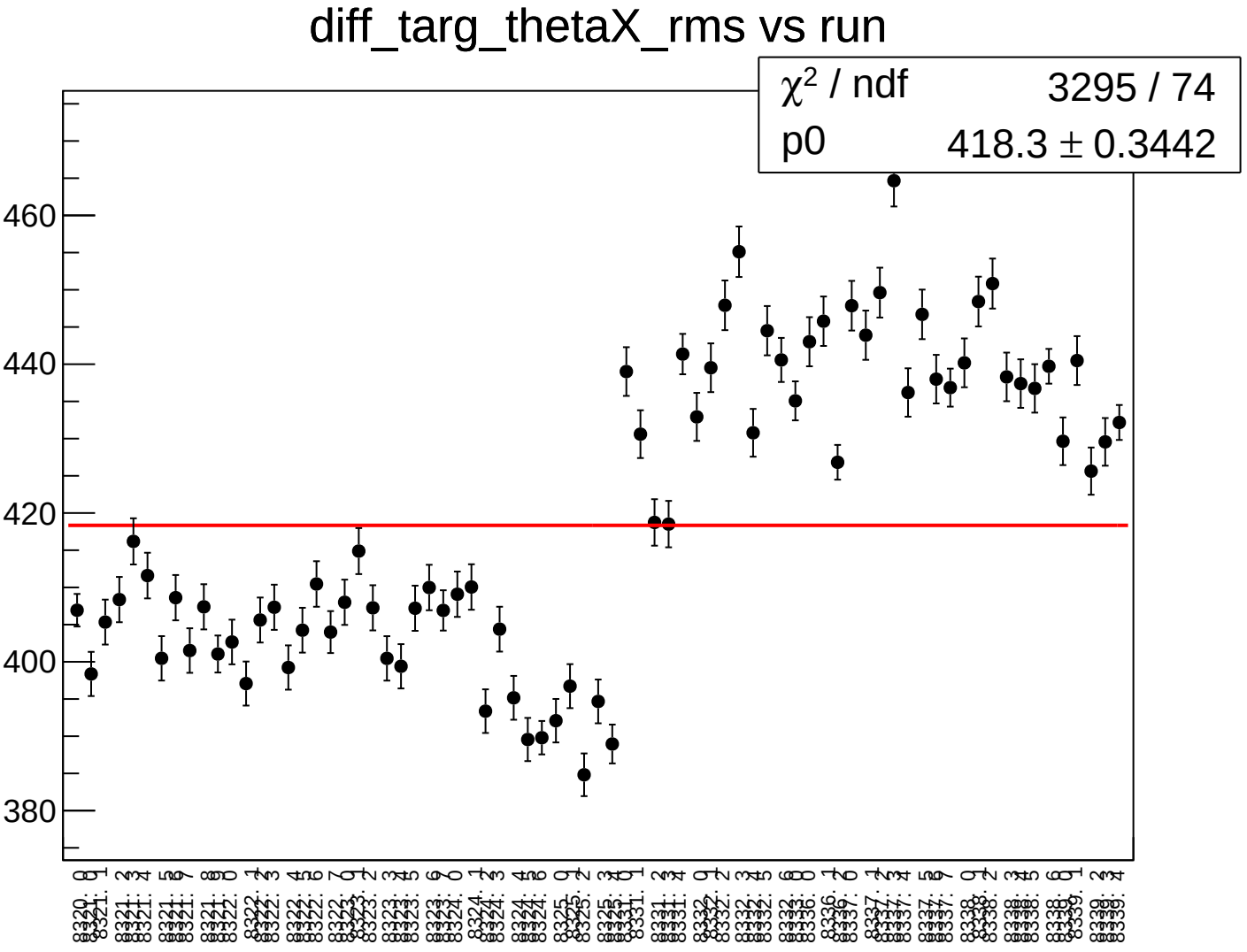

diff_targ_positionY_mean vs run
χ² / ndf 89.16 / 74
p0 33.26 ± 7.09
pull
Entries 75
Mean −348.4
Std Dev 0

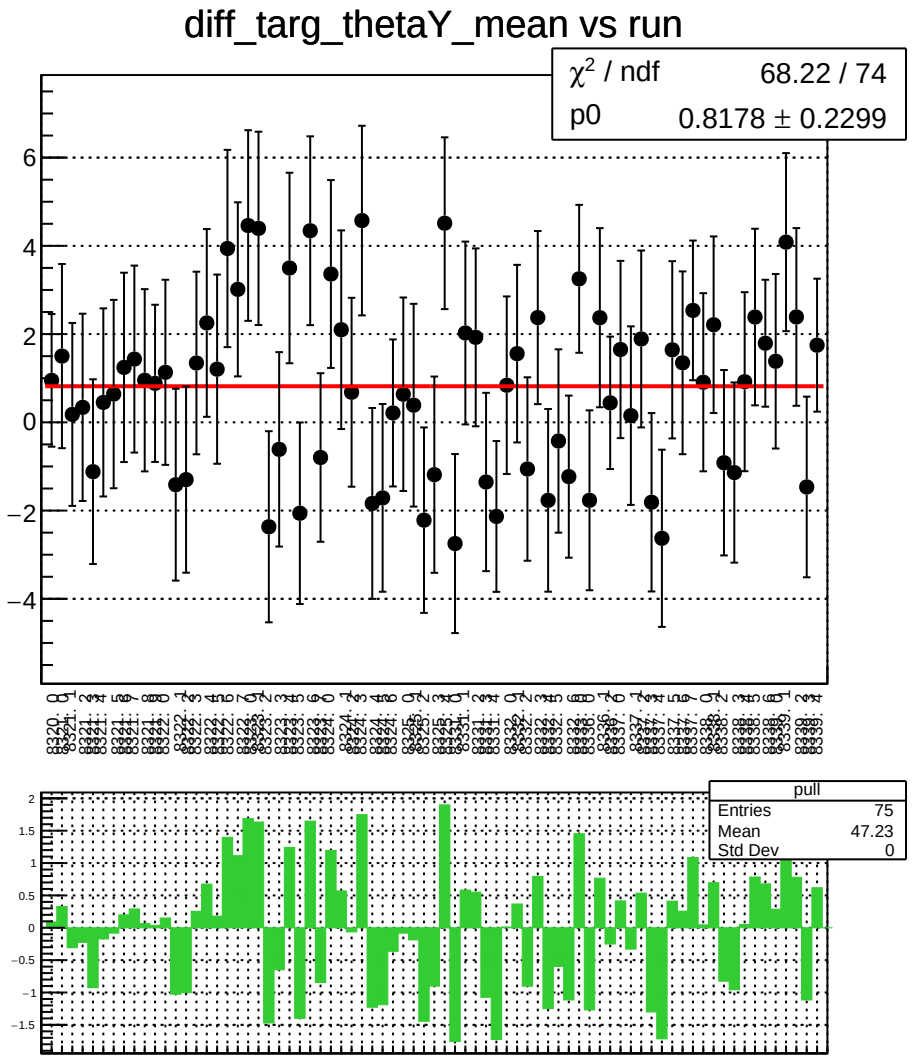

pull1D
Entries 75
Mean −0.003171
Std Dev 1.09

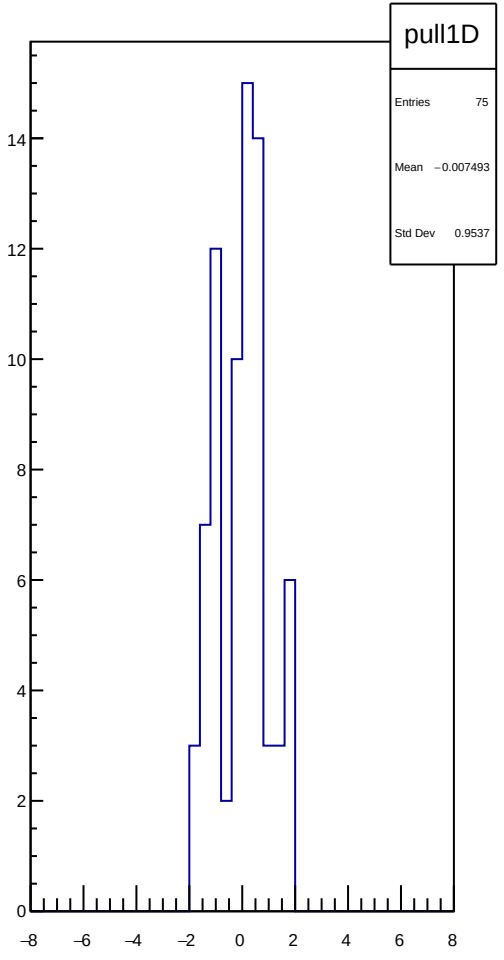

diff_targ_positionY_rms vs run
χ² / ndf 7244 / 74
p0 6084 ± 5.014
7000
6800
6600
6400
6200
6000
5800
5600
5400

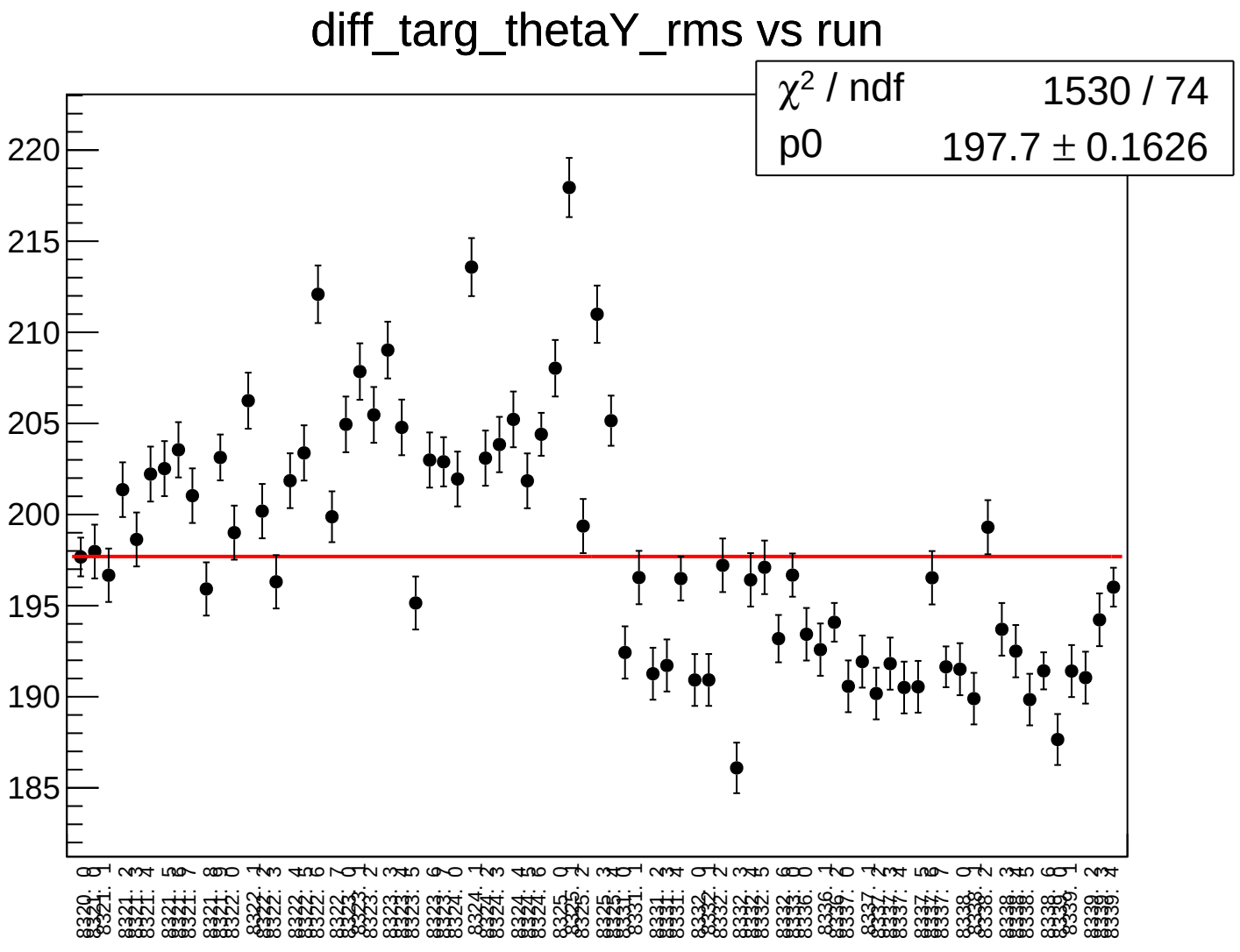

diff_targ_thetaX_mean vs run
χ² / ndf 72.62 / 74
p0 2.449 ± 0.4868
pull
Entries 75
Mean −227.5
Std Dev 0

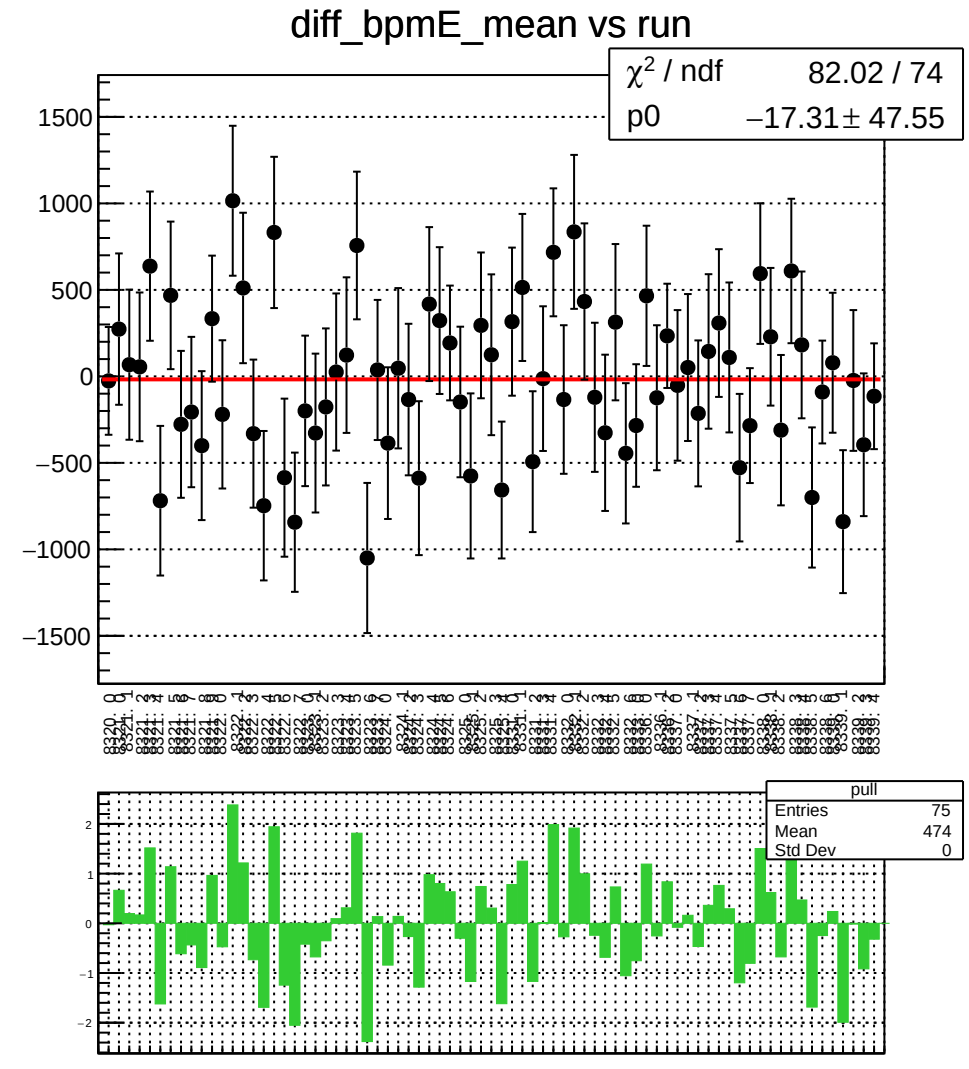

pull1D
Entries 75
Mean 0.003989
Std Dev 0.984

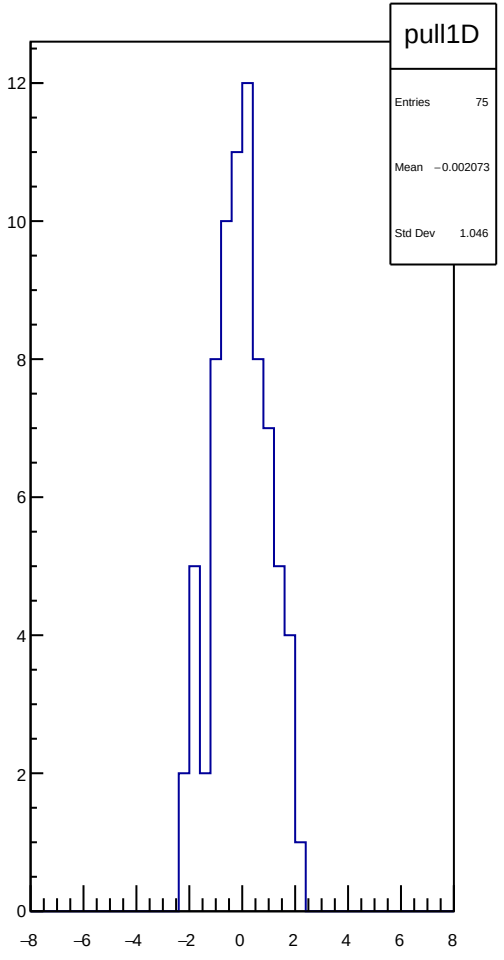

diff_targ_thetaX_rms vs run
χ² / ndf 3295 / 74
p0 418.3 ± 0.3442
460
440
420
400
380

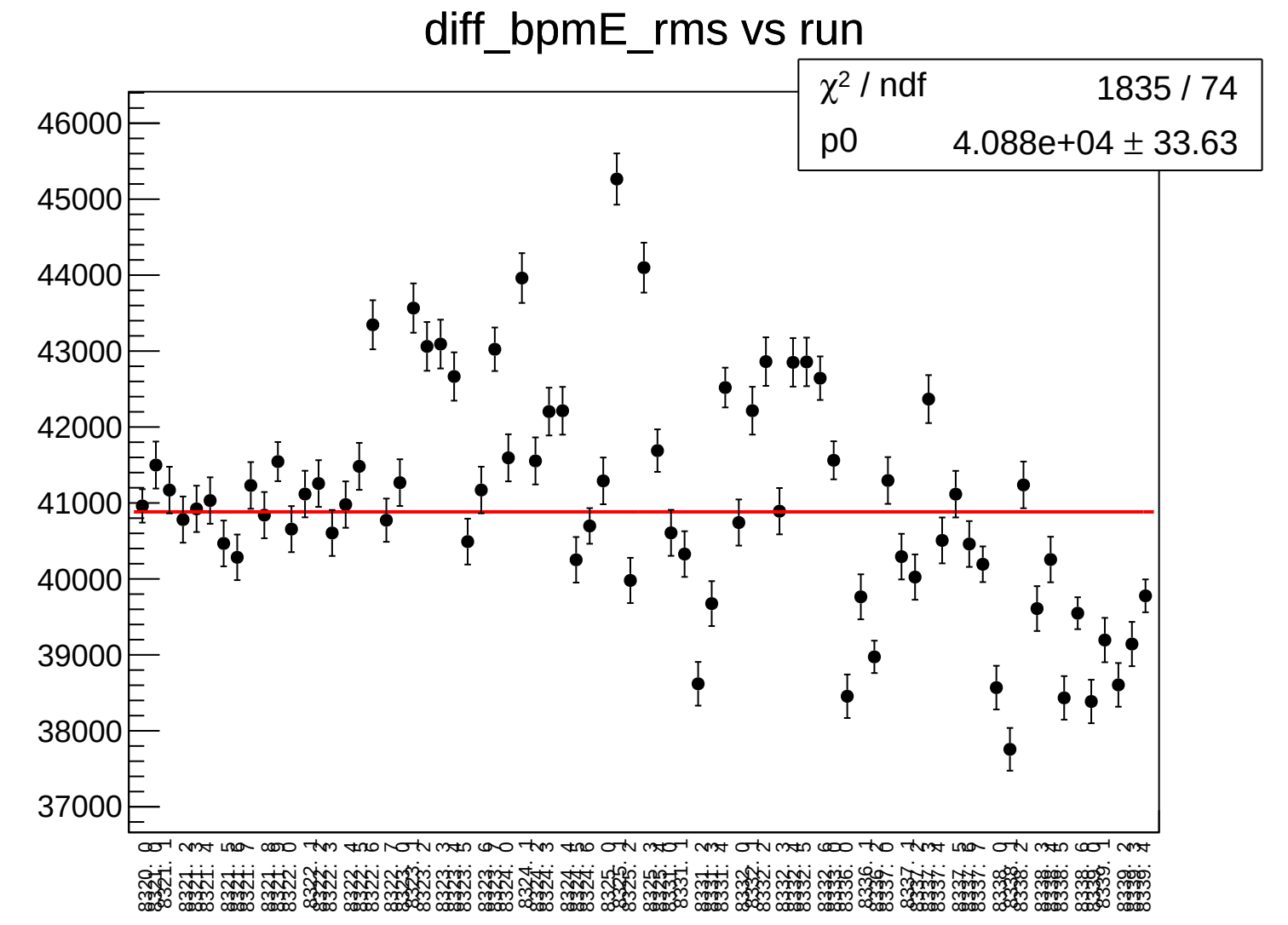

diff_targ_thetaY_mean vs run
χ² / ndf 68.22 / 74
p0 0.8178 ± 0.2299
pull
Entries 75
Mean 47.23
Std Dev 0

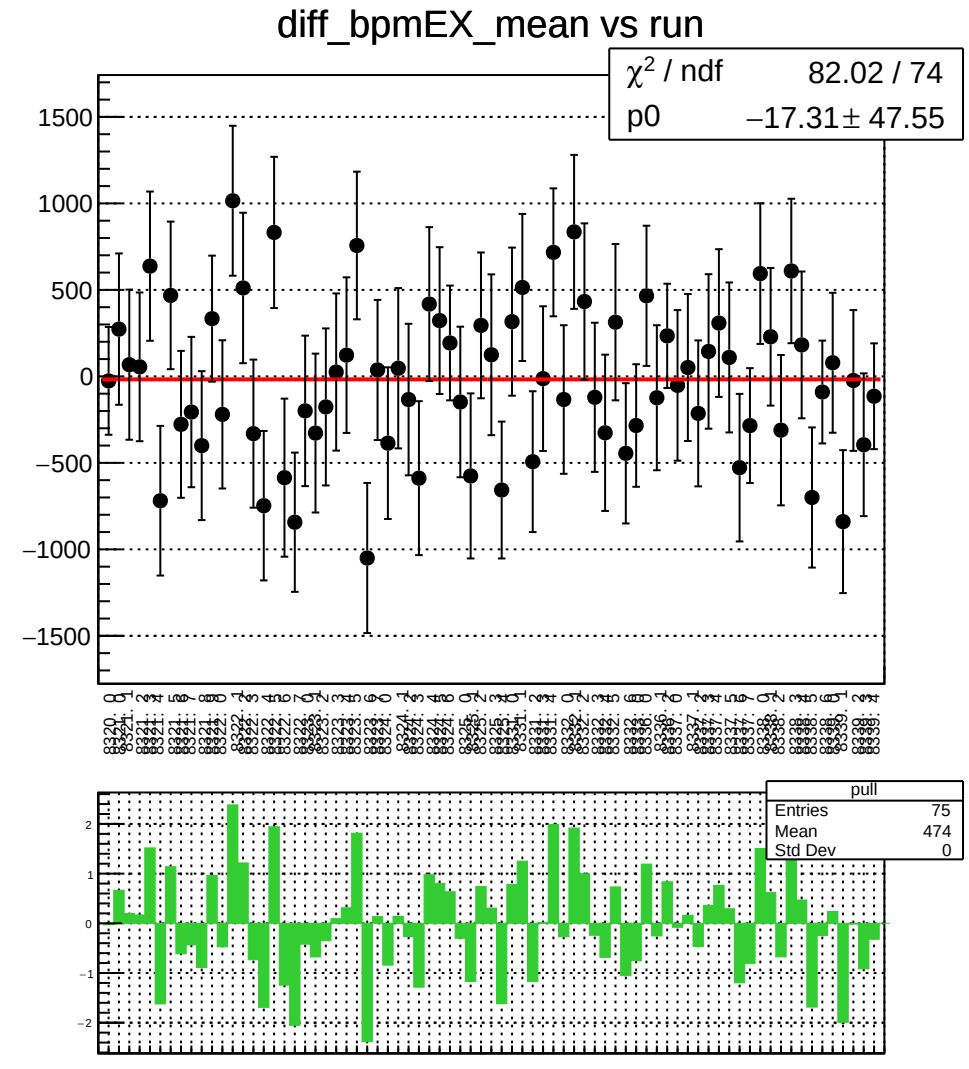

pull1D
Entries 75
Mean −0.007493
Std Dev 0.9537

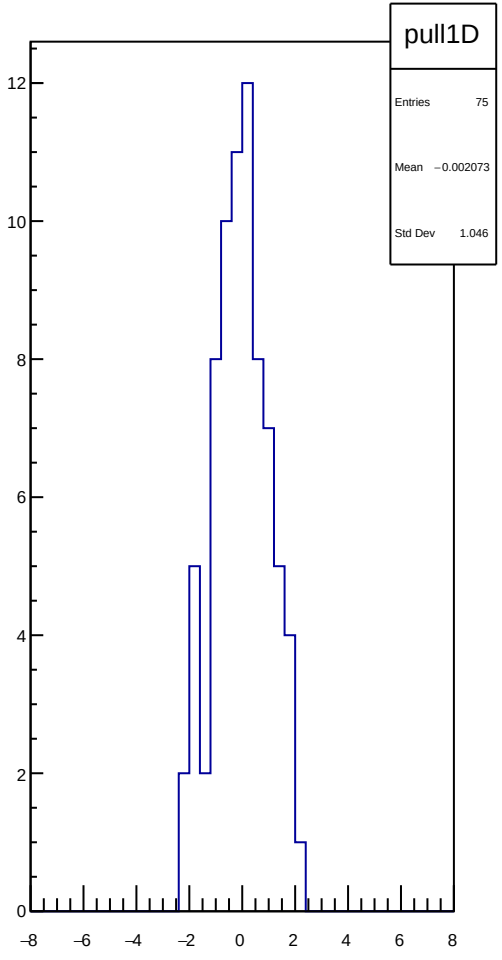

diff_targ_thetaY_rms vs run
χ² / ndf 1530 / 74
p0 197.7 ± 0.1626
220
215
210
205
200
195
190
185

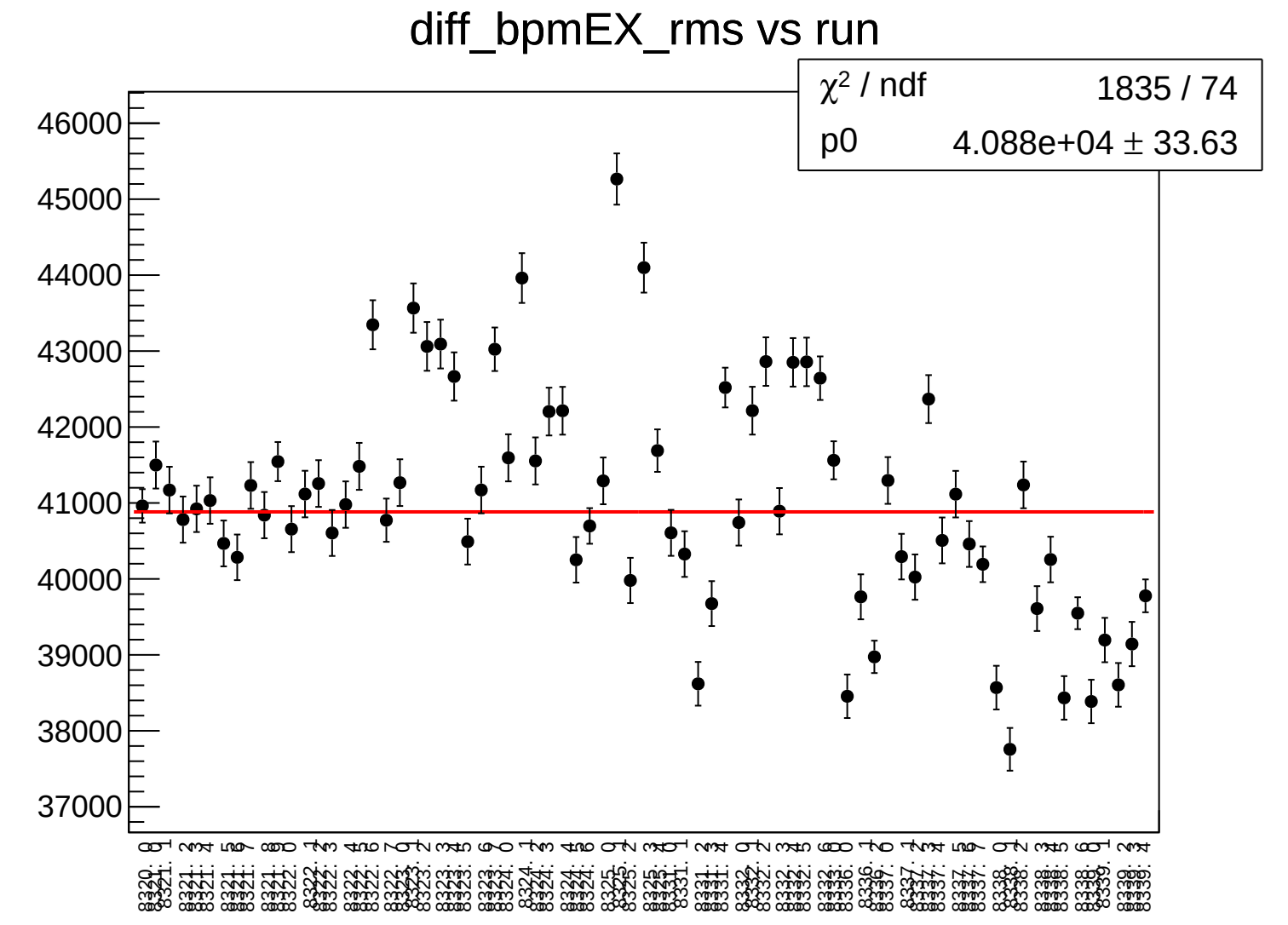

diff_bpmE_mean vs run
χ^2 / ndf 82.02 / 74
p0 −17.31 ± 47.55
pull
Entries 75
Mean 474
Std Dev 0

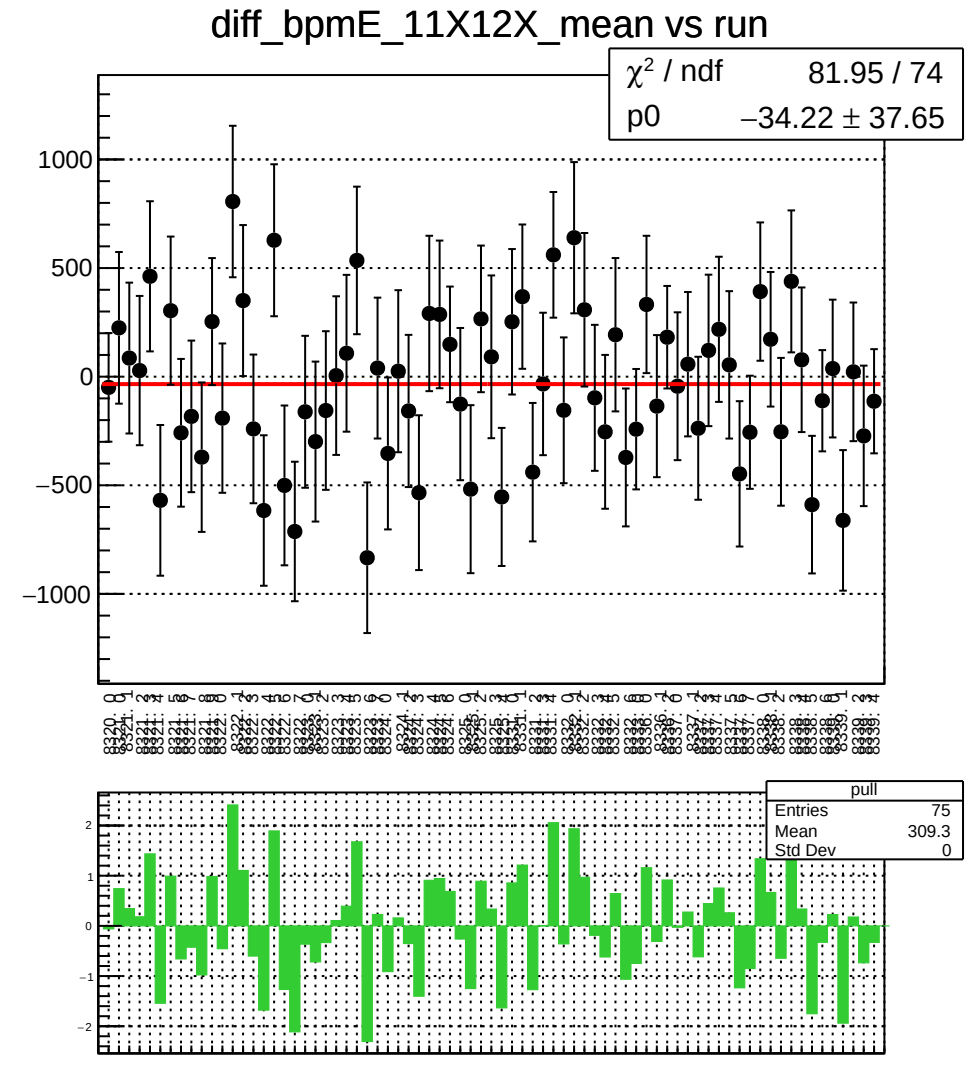

pull1D
Entries 75
Mean −0.002073
Std Dev 1.046

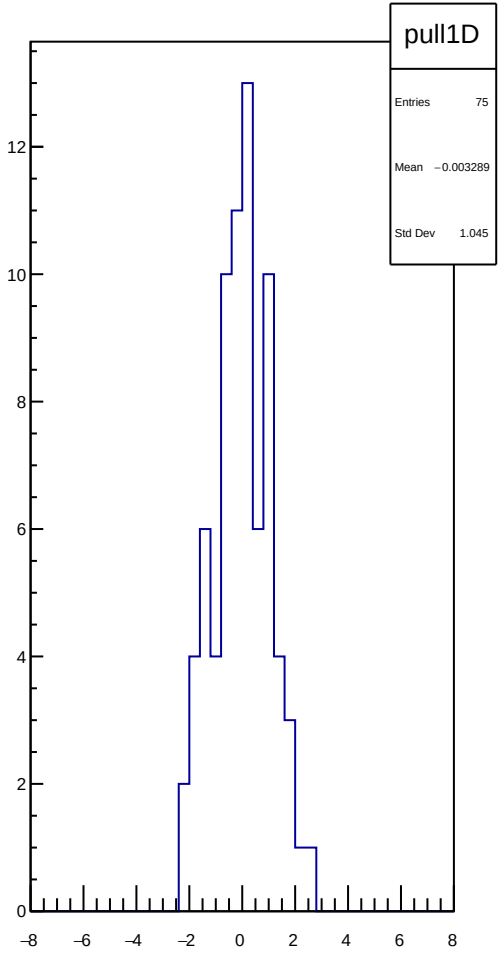

diff_bpmE_rms vs run
χ² / ndf 1835 / 74
p0 4.088e+04 ± 33.63
46000
45000
44000
43000
42000
41000
40000
39000
38000
37000

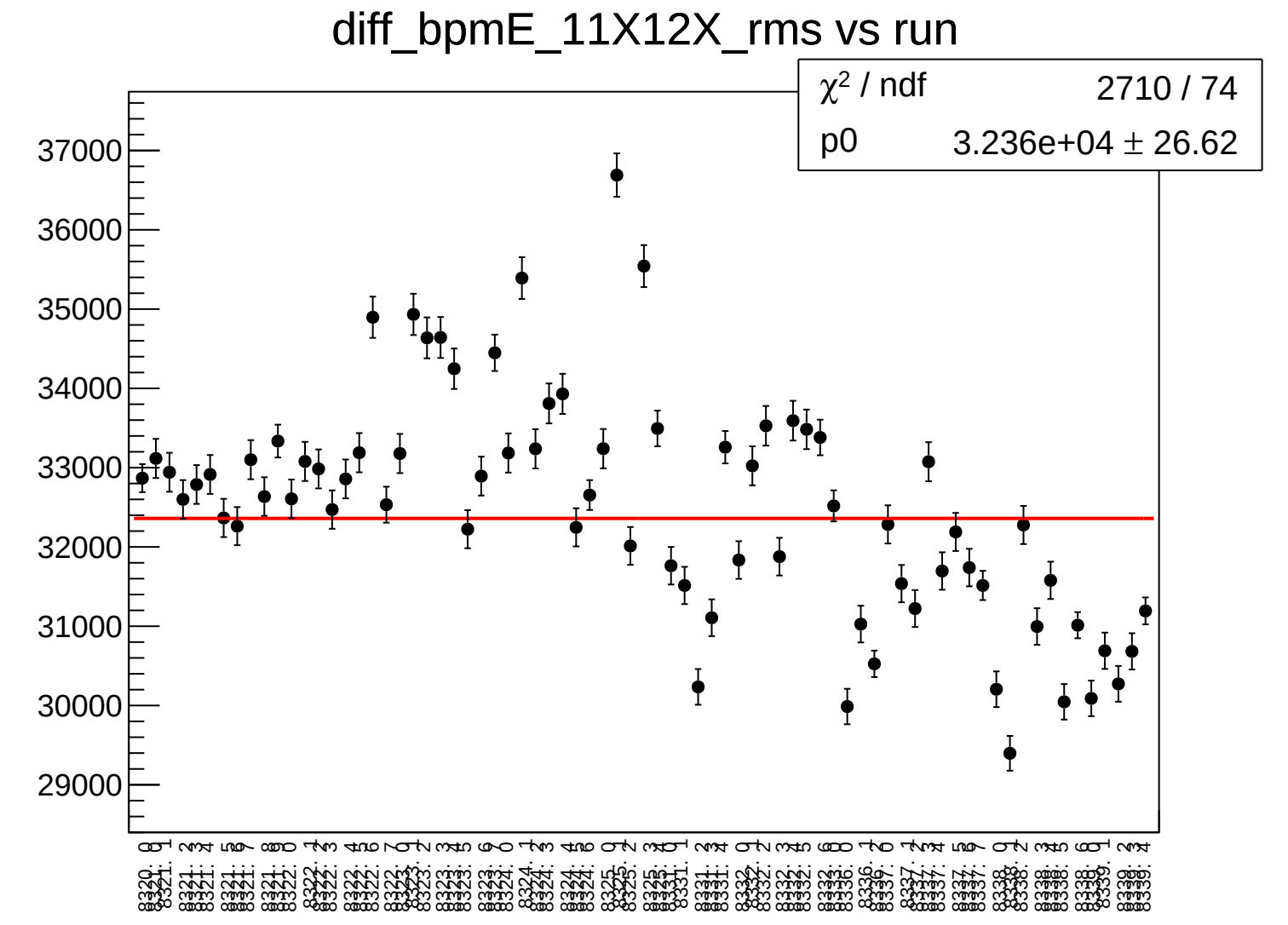

diff_bpmEX_mean vs run
χ² / ndf 82.02 / 74
p0 −17.31 ± 47.55
1500
1000
500
0
−500
−1000
−1500
pull
Entries 75
Mean 474
Std Dev 0
2
1
0
−1
−2

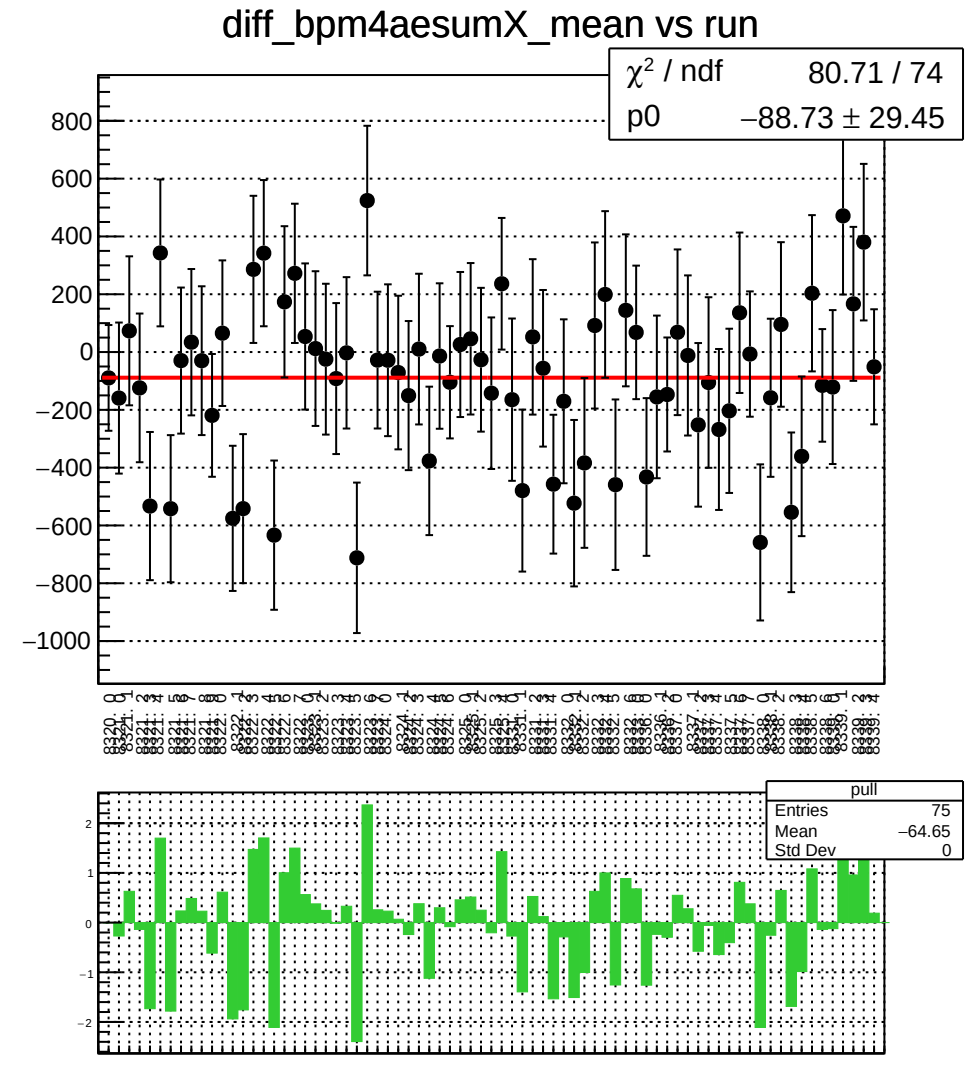

pull1D
Entries 75
Mean −0.002073
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

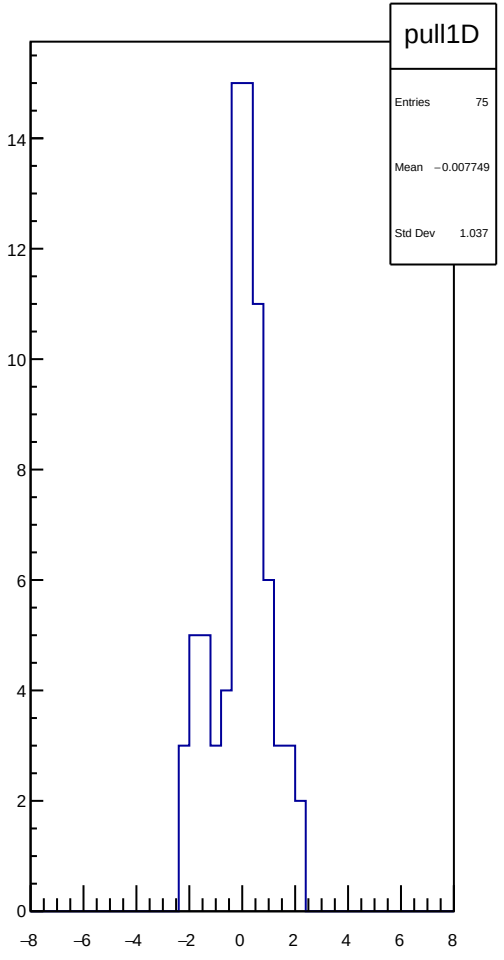

diff_bpmEX_rms vs run
χ² / ndf 1835 / 74
p0 4.088e+04 ± 33.63
46000
45000
44000
43000
42000
41000
40000
39000
38000
37000

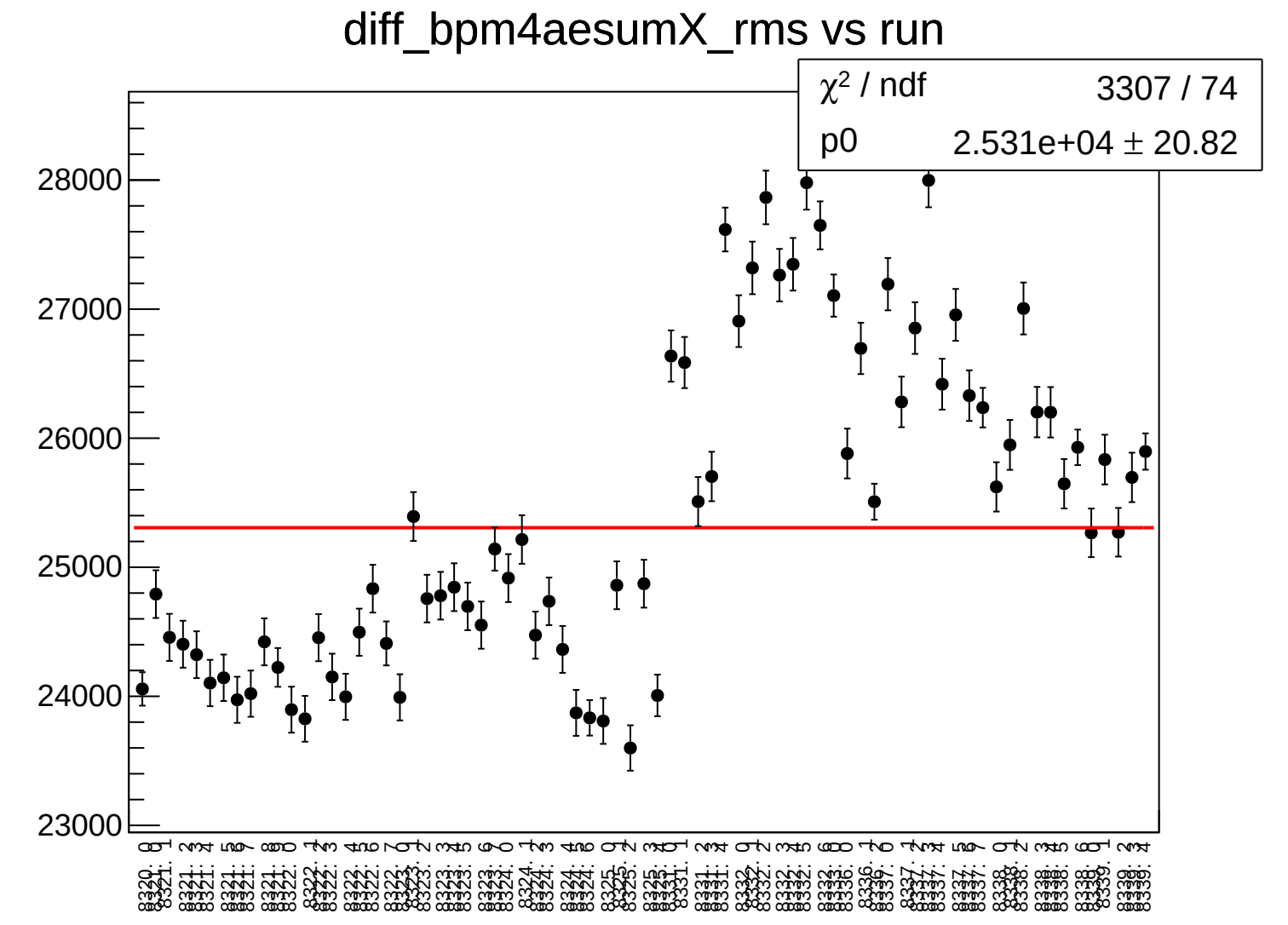

diff_bpmE_11X12X_mean vs run
χ² / ndf 81.95 / 74
p0 −34.22 ± 37.65
1000
500
0
−500
−1000
pull
Entries 75
Mean 309.3
Std Dev 0
2
1
0
−1
−2

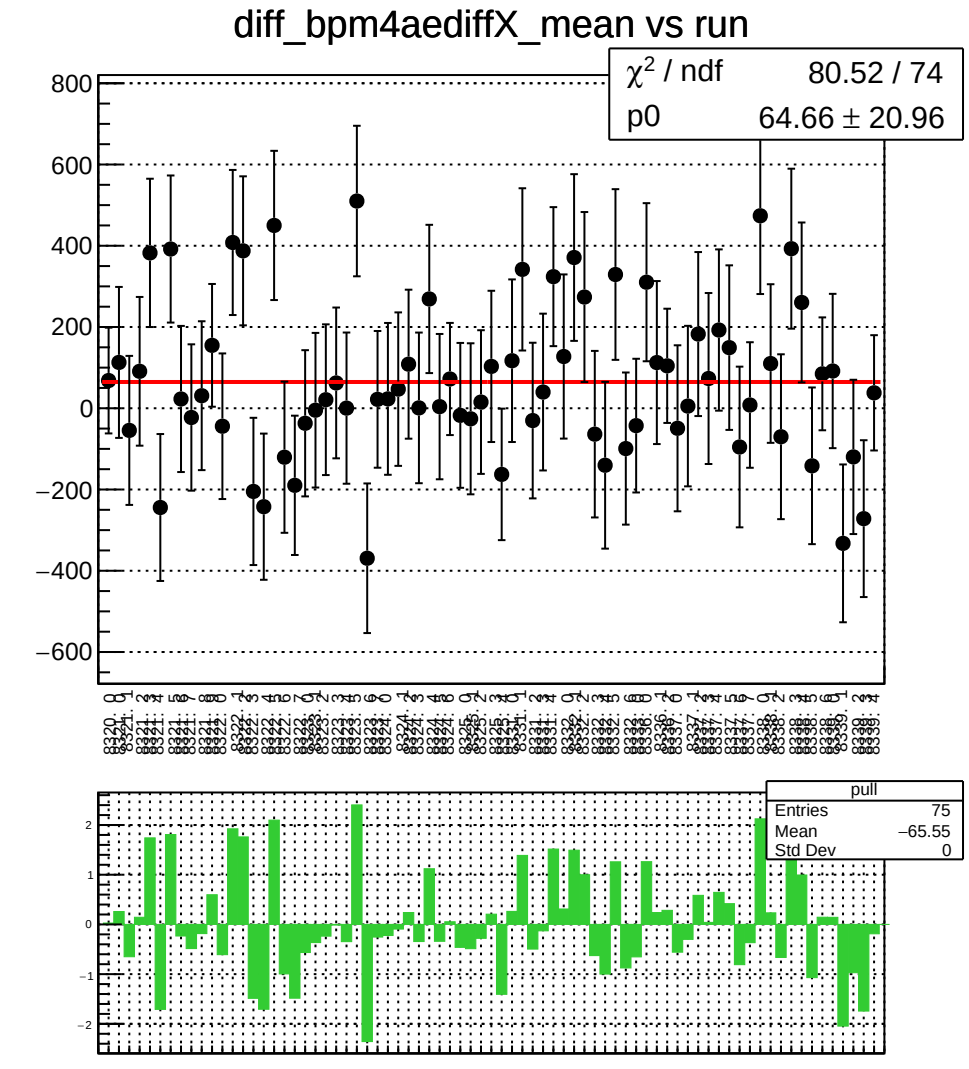

pull1D
Entries 75
Mean −0.003289
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

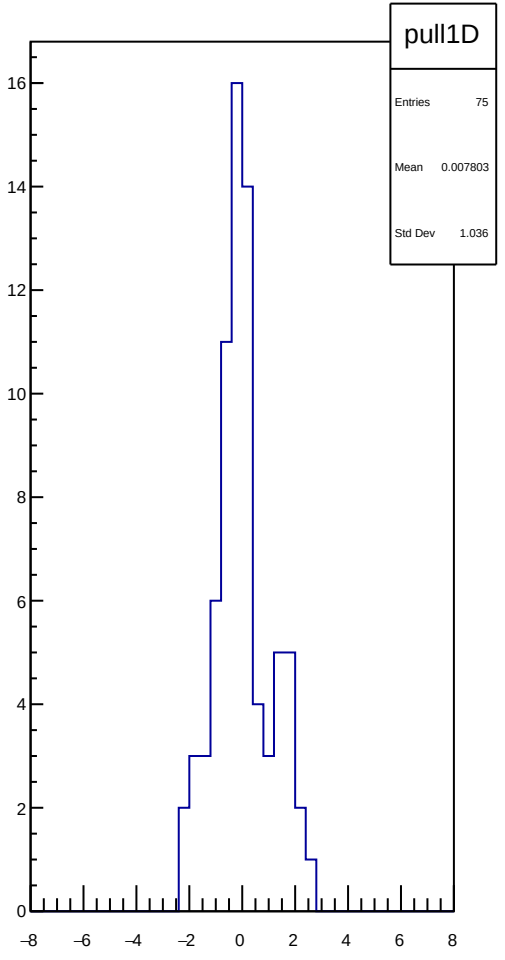

diff_bpmE_11X12X_rms vs run
χ² / ndf 2710 / 74
p0 3.236e+04 ± 26.62
37000
36000
35000
34000
33000
32000
31000
30000
29000

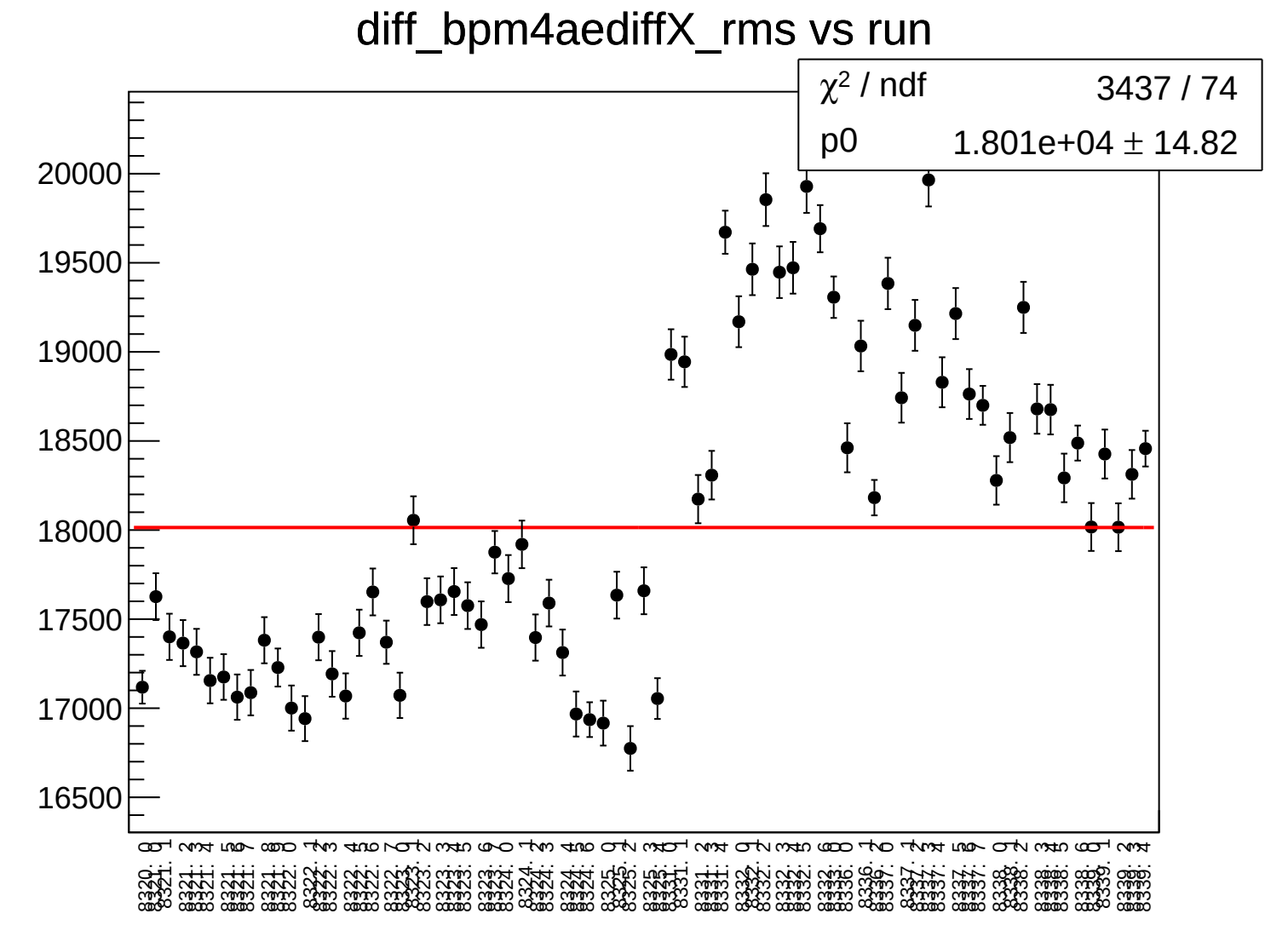

diff_bpm4aesumX_mean vs run
χ² / ndf 80.71 / 74
p0 −88.73 ± 29.45
pull
Entries 75
Mean −64.65
Std Dev 0

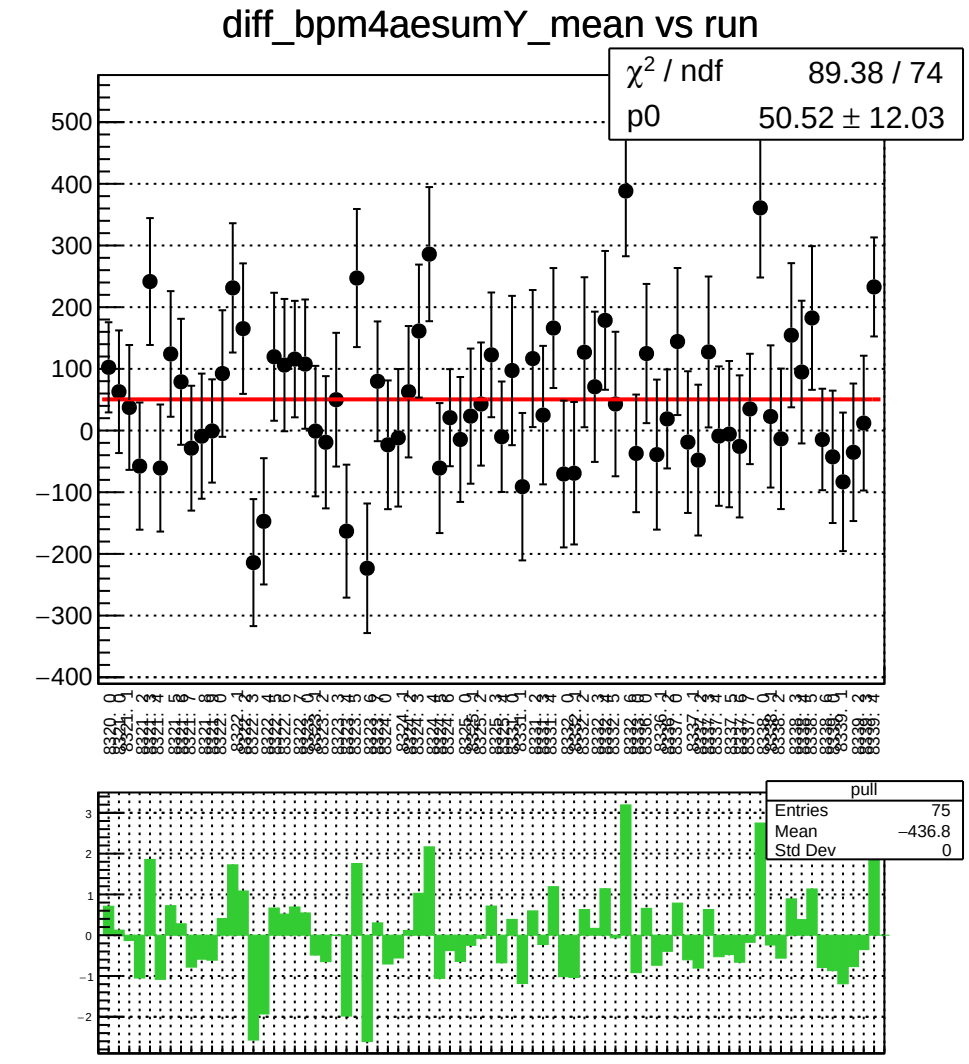

pull1D
Entries 75
Mean −0.007749
Std Dev 1.037

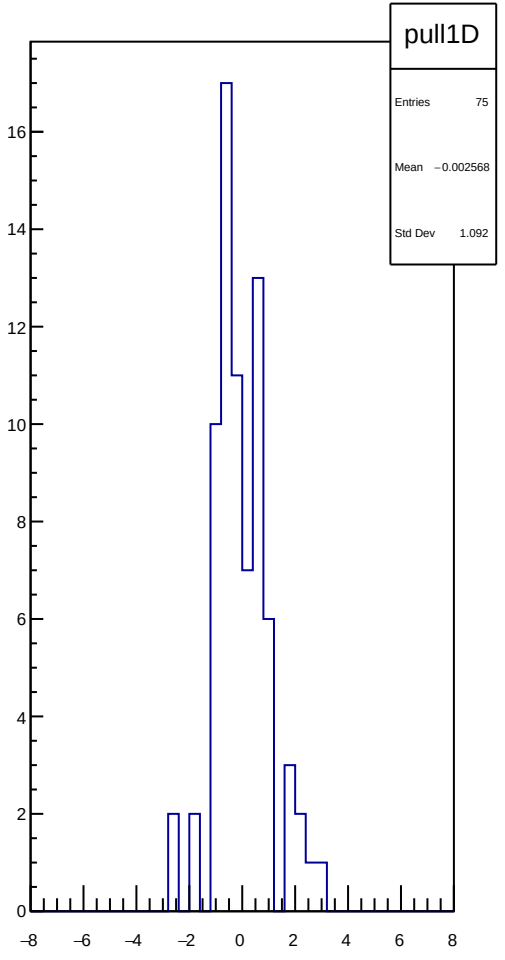

diff_bpm4aesumX_rms vs run
χ² / ndf 3307 / 74
p0 2.531e+04 ± 20.82
28000
27000
26000
25000
24000
23000

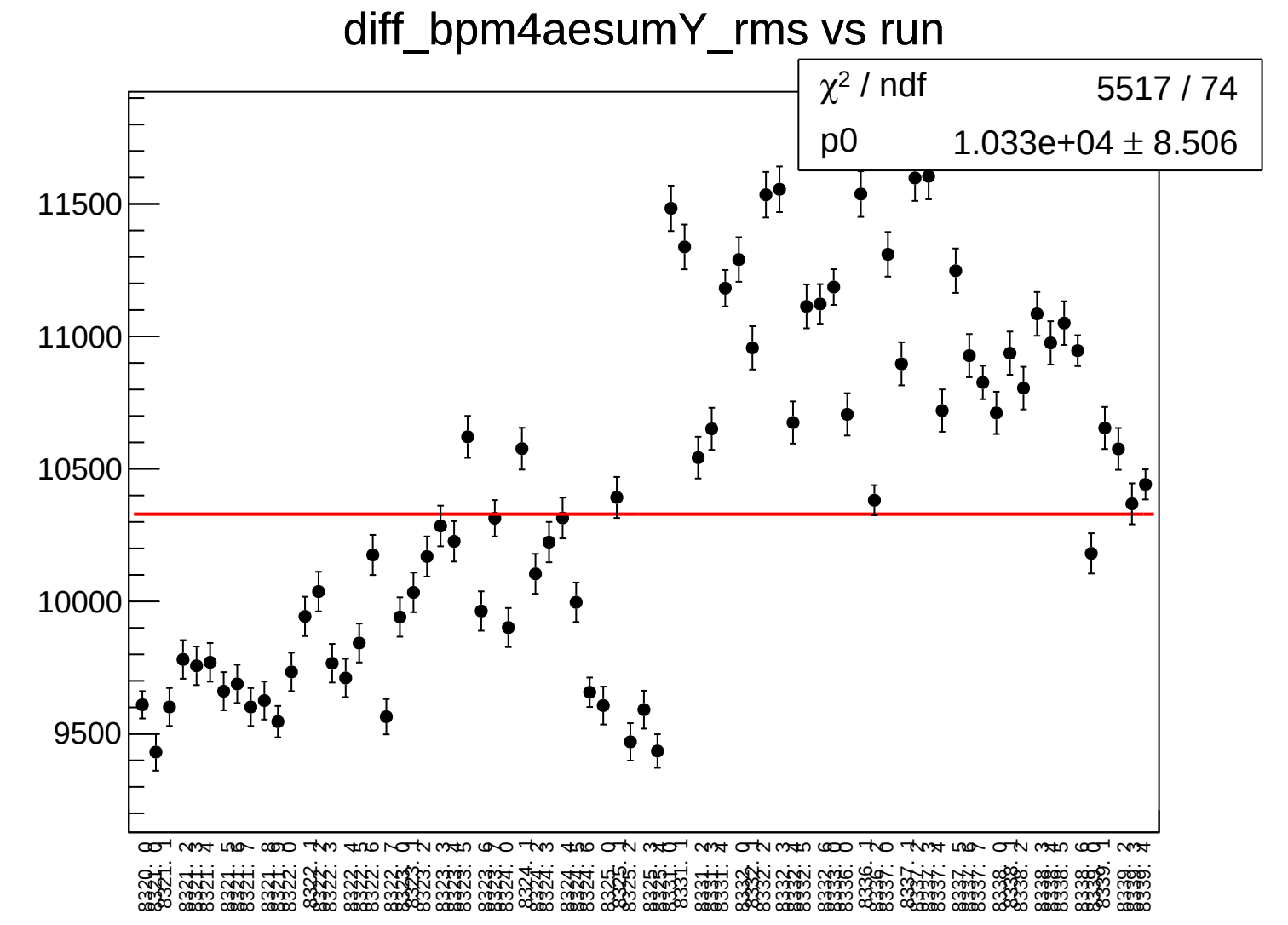

diff_bpm4aediffX_mean vs run
χ² / ndf 80.52 / 74
p0 64.66 ± 20.96
pull
Entries 75
Mean −65.55
Std Dev 0

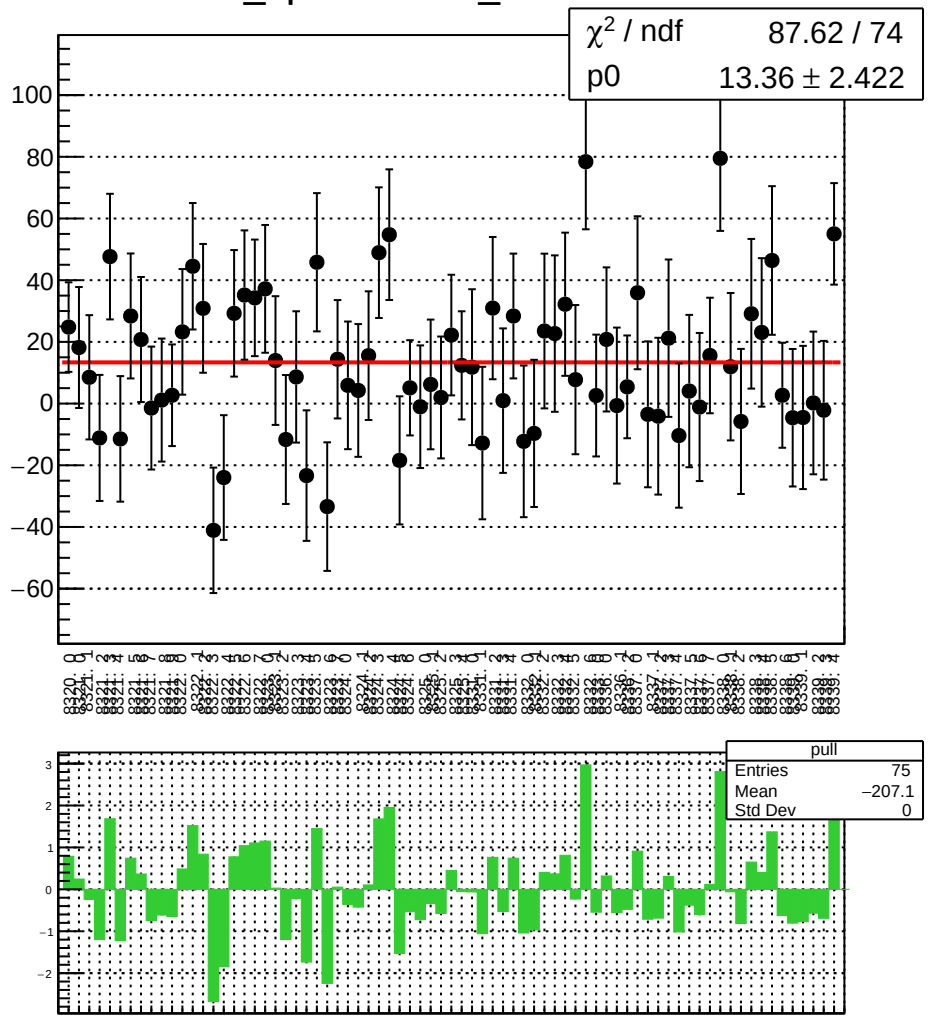

pull1D
Entries 75
Mean 0.007803
Std Dev 1.036

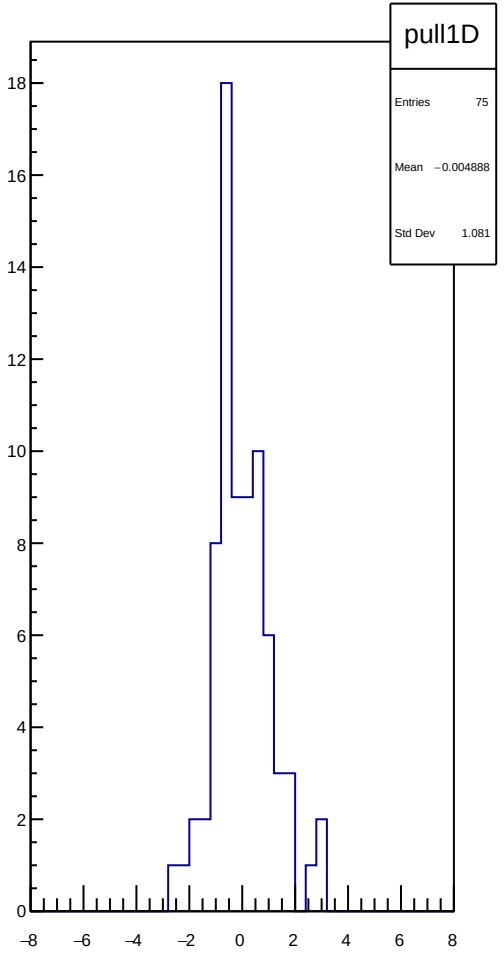

diff_bpm4aediffX_rms vs run
χ² / ndf 3437 / 74
p0 1.801e+04 ± 14.82
20000
19500
19000
18500
18000
17500
17000
16500

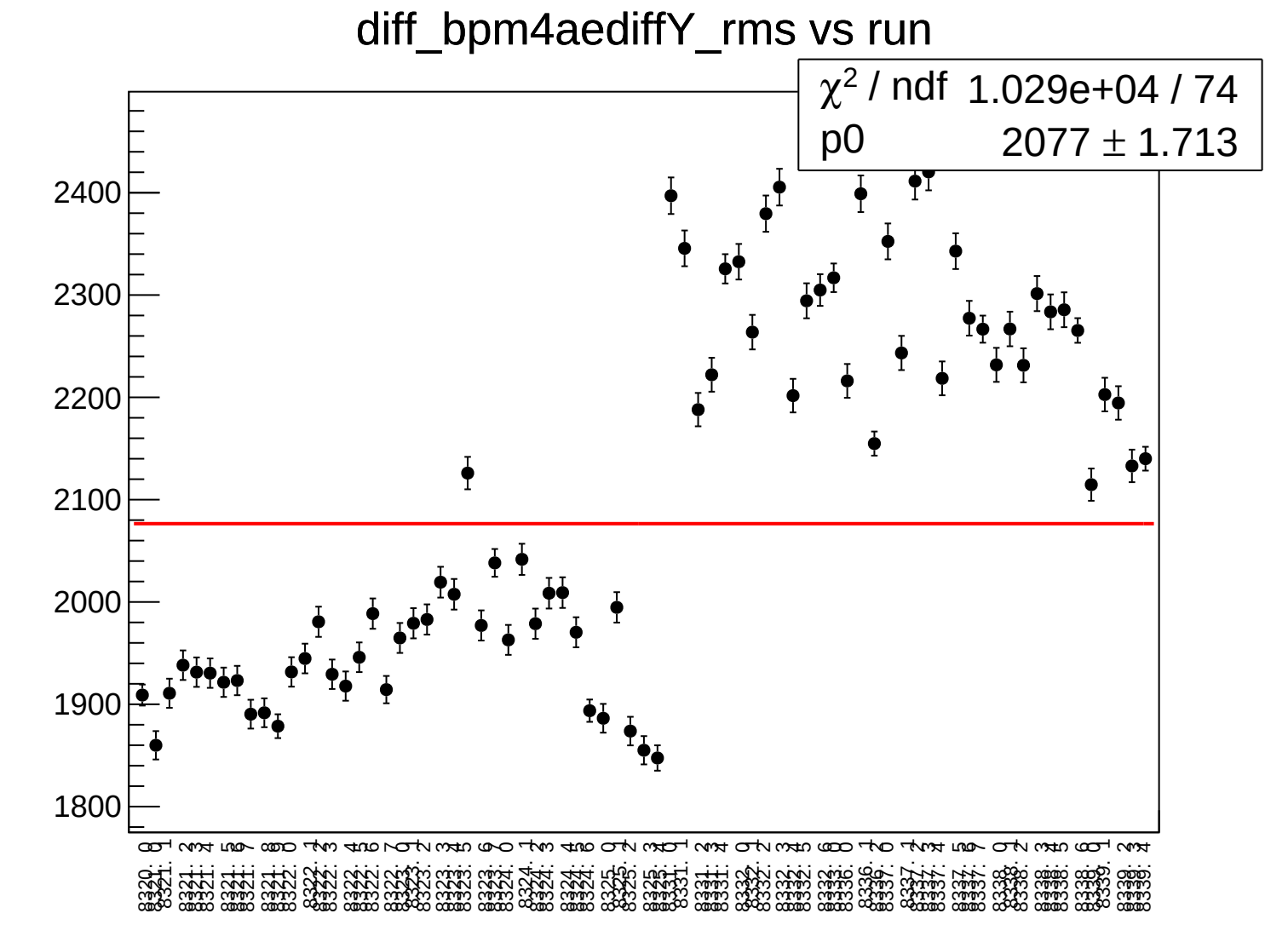

diff_bpm4aesumY_mean vs run
χ² / ndf 89.38 / 74
p0 50.52 ± 12.03
pull
Entries 75
Mean −436.8
Std Dev 0

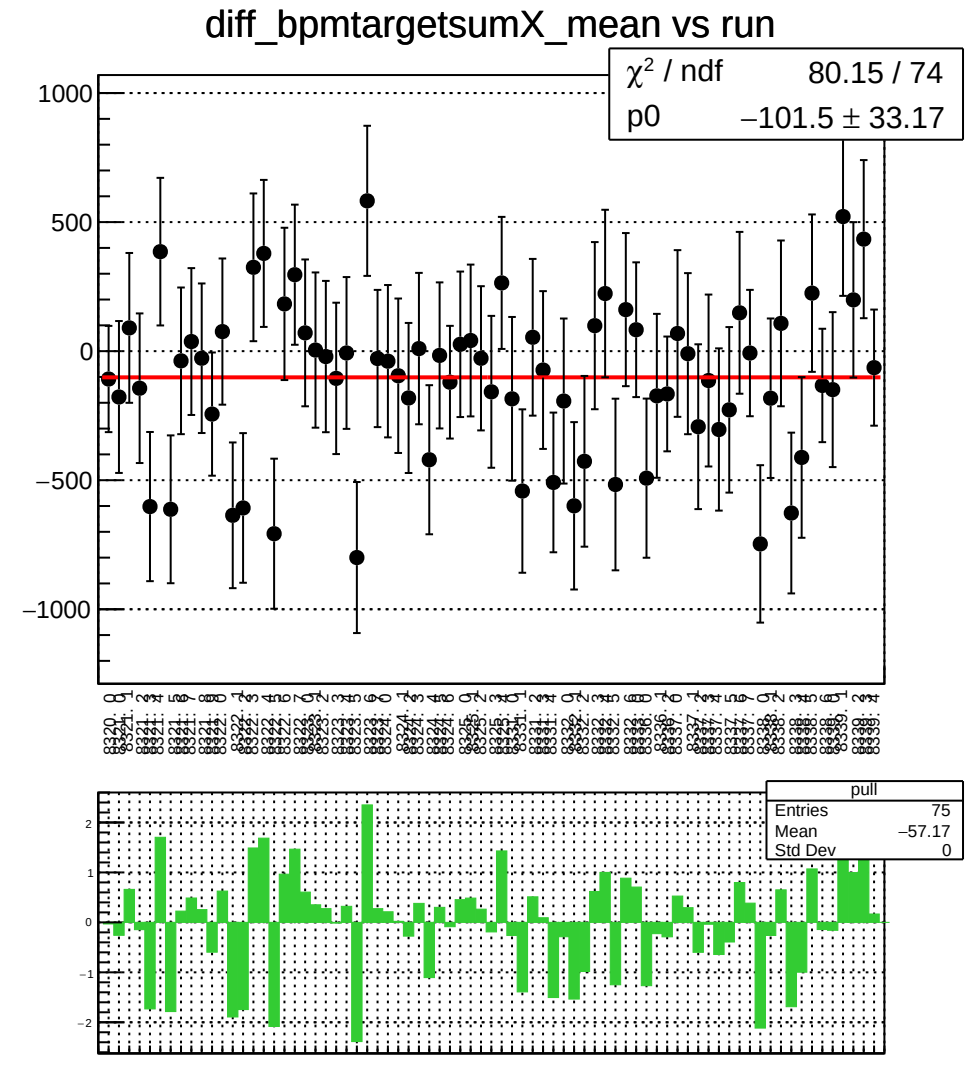

pull1D
Entries 75
Mean −0.002568
Std Dev 1.092

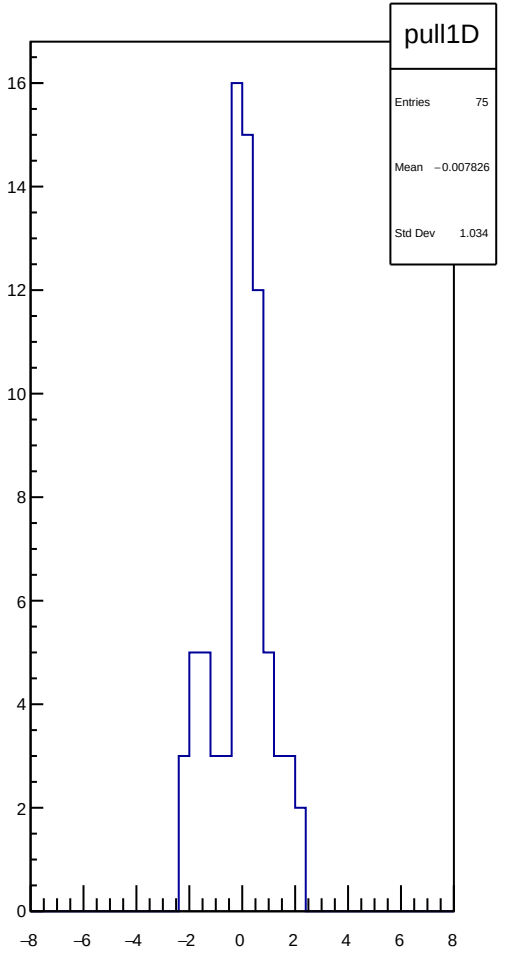

diff_bpm4aesumY_rms vs run
χ² / ndf 5517 / 74
p0 1.033e+04 ± 8.506
11500
11000
10500
10000
9500

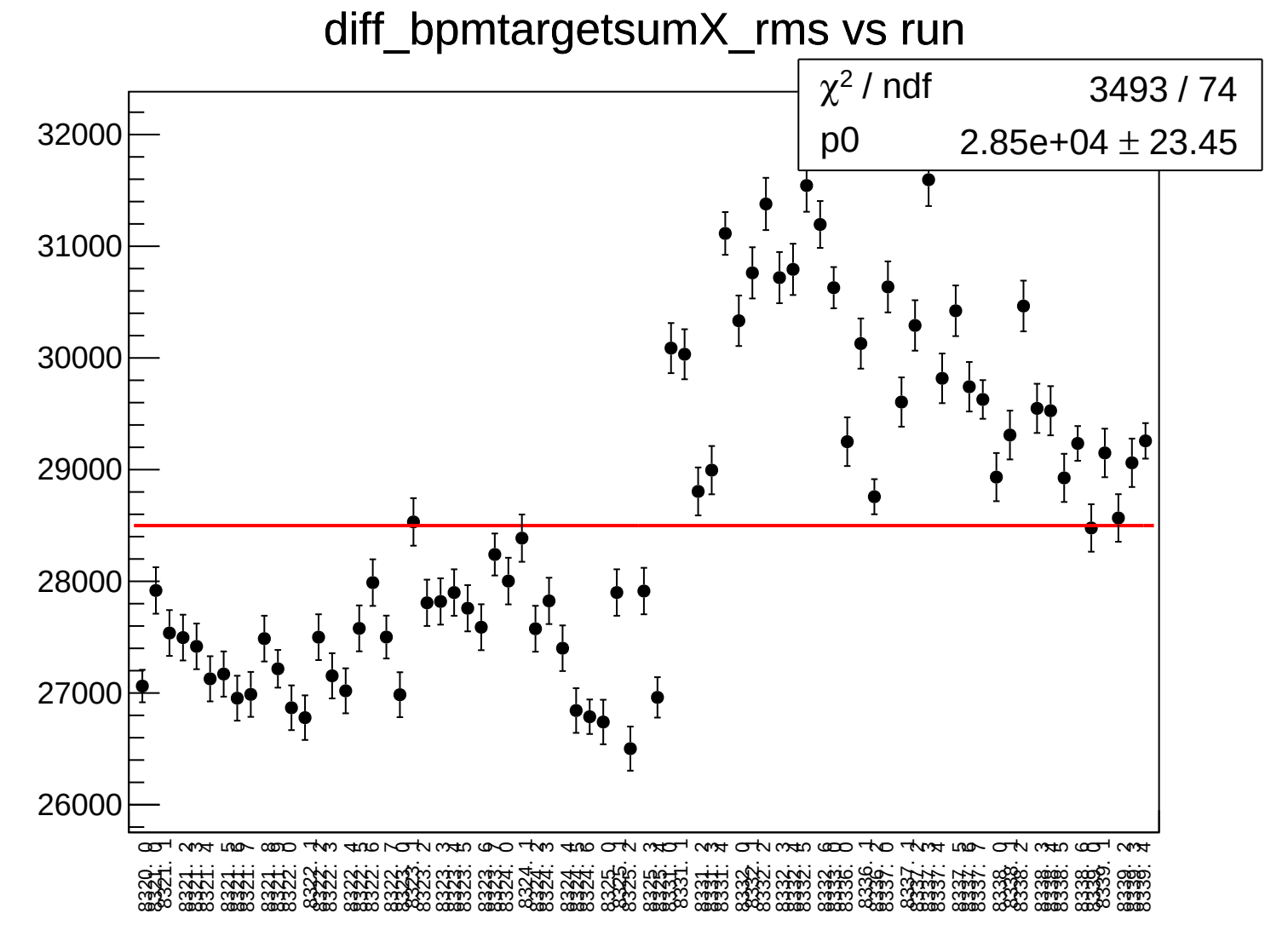

diff_bpm4aediffY_mean vs run
χ^2 / ndf 87.62 / 74
p0 13.36 ± 2.422
pull
Entries 75
Mean −207.1
Std Dev 0

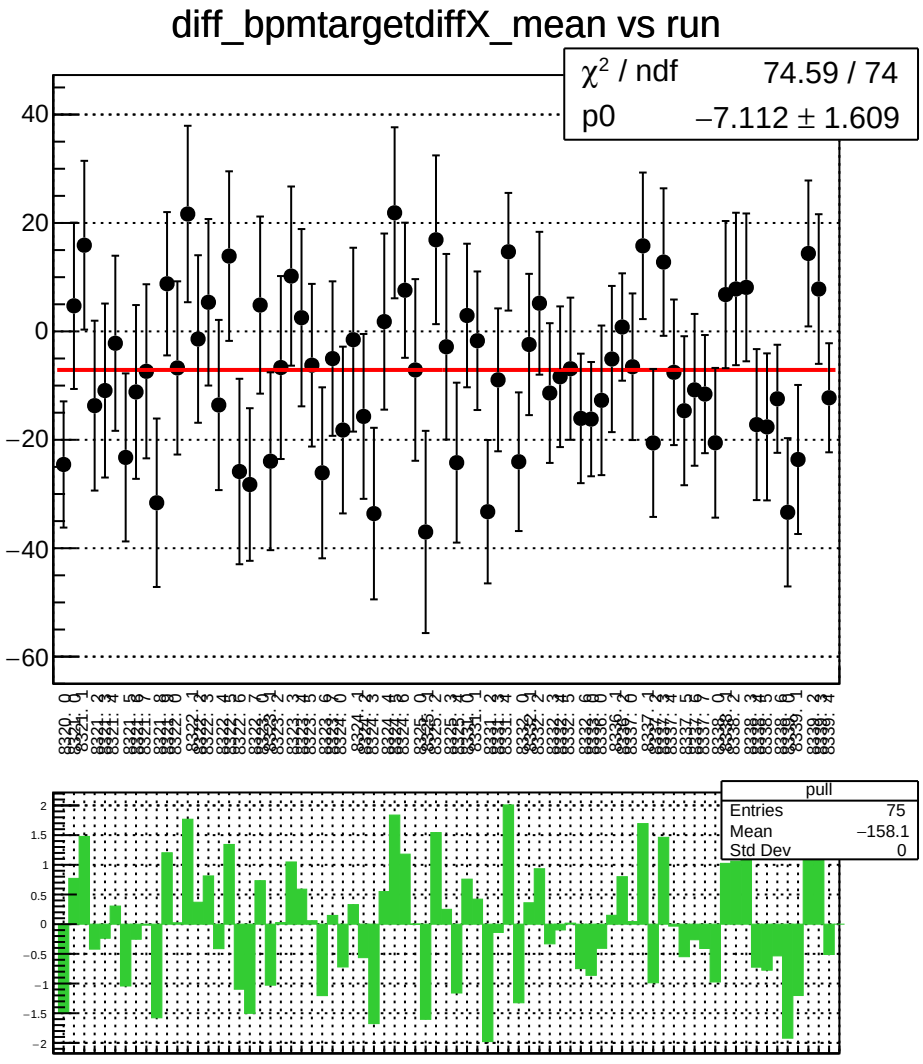

pull1D
Entries 75
Mean −0.004888
Std Dev 1.081

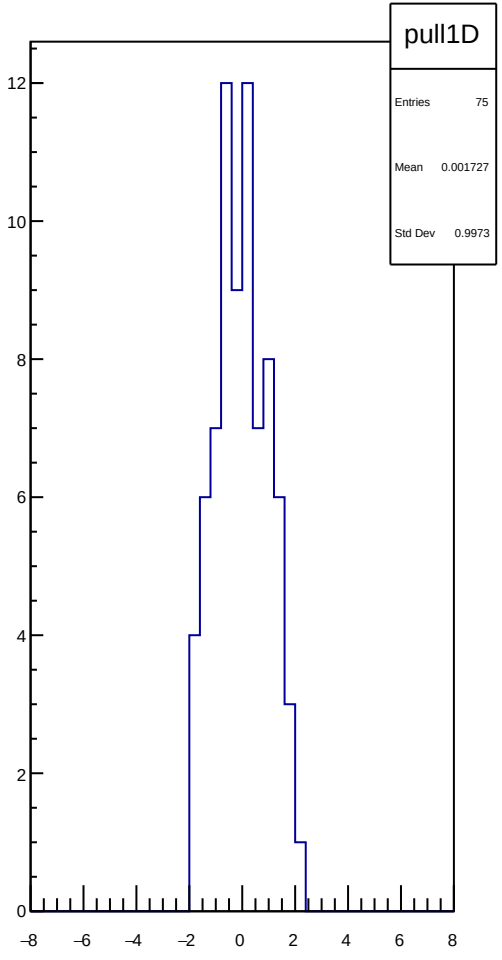

diff_bpm4aediffY_rms vs run
χ² / ndf 1.029e+04 / 74
p0 2077 ± 1.713
2400
2300
2200
2100
2000
1900
1800

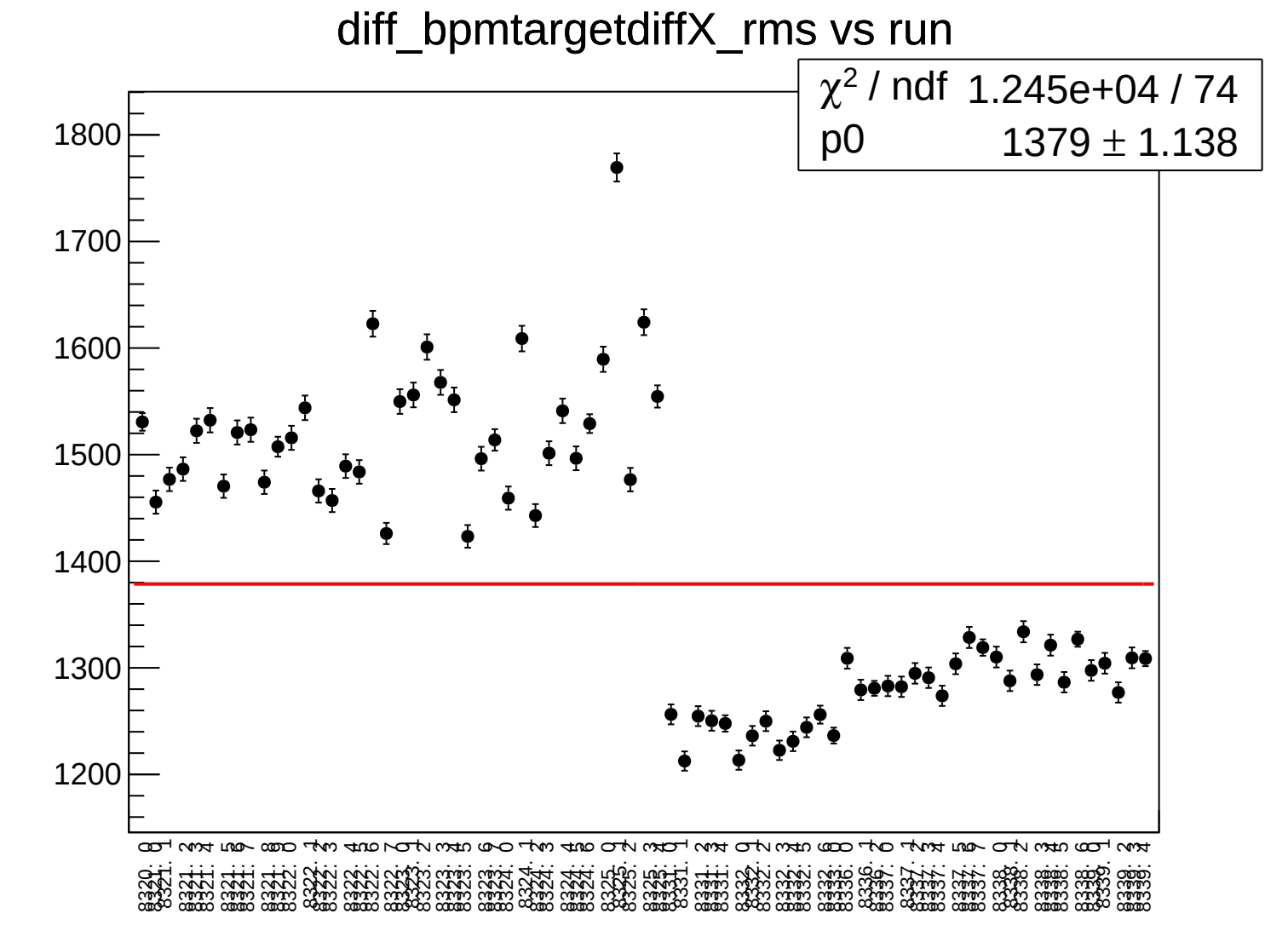

diff_bpmtargetsumX_mean vs run
χ² / ndf 80.15 / 74
p0 −101.5 ± 33.17
1000
500
0
−500
−1000
pull
Entries 75
Mean −57.17
Std Dev 0
2
1
0
−1
−2

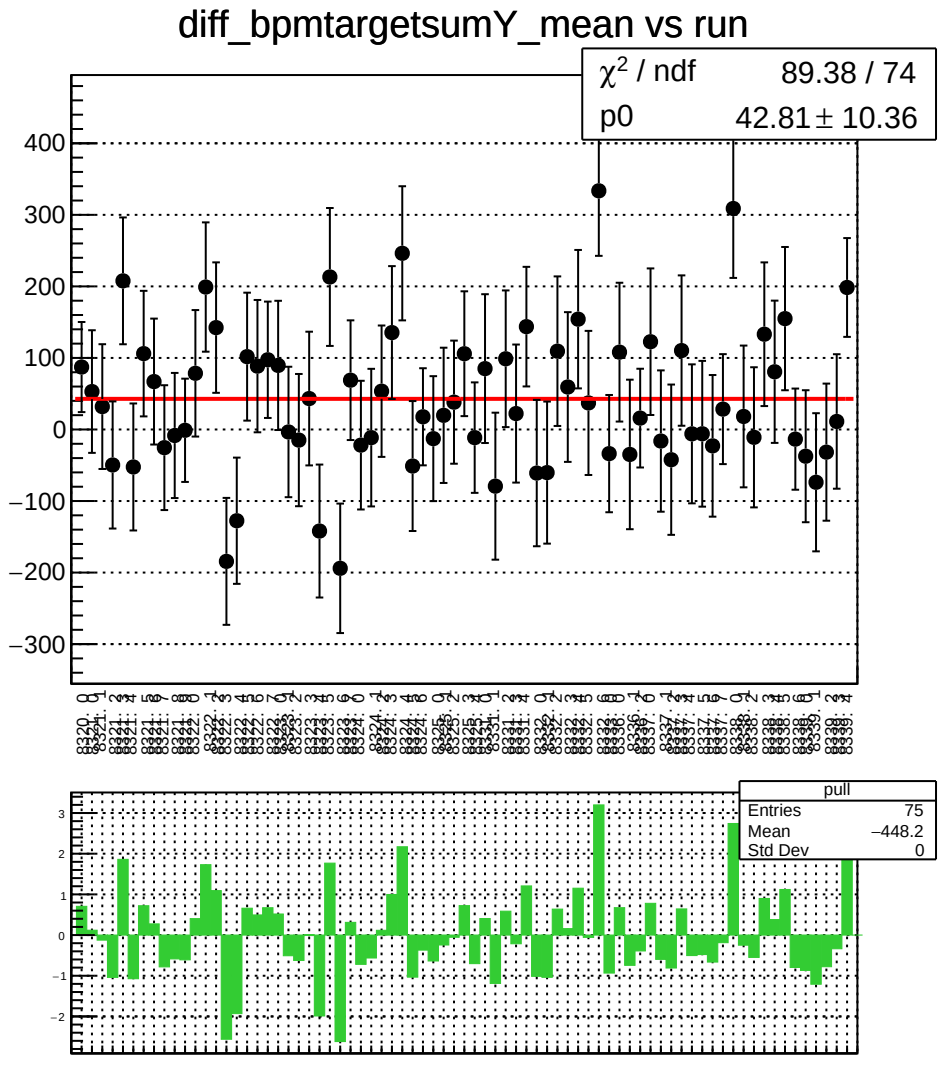

pull1D
Entries 75
Mean −0.007826
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

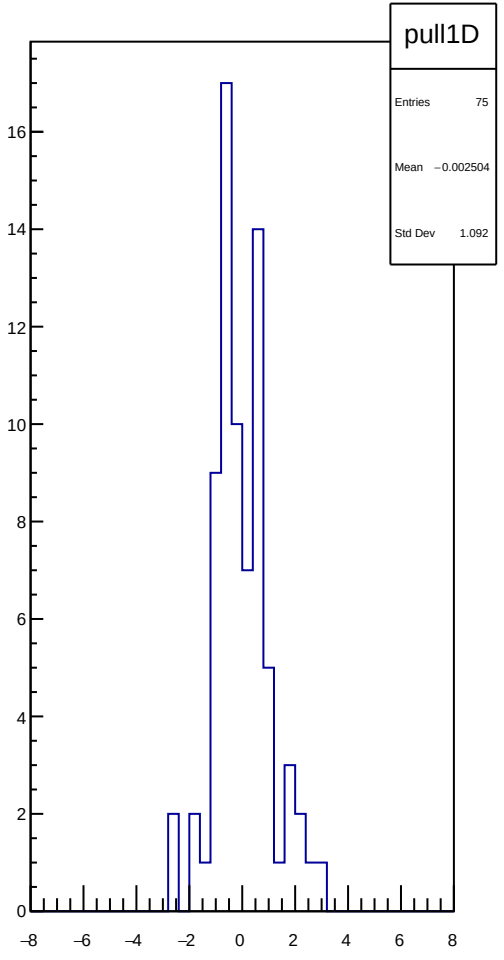

diff_bpmtargetsumX_rms vs run
χ² / ndf 3493 / 74
p0 2.85e+04 ± 23.45
32000
31000
30000
29000
28000
27000
26000

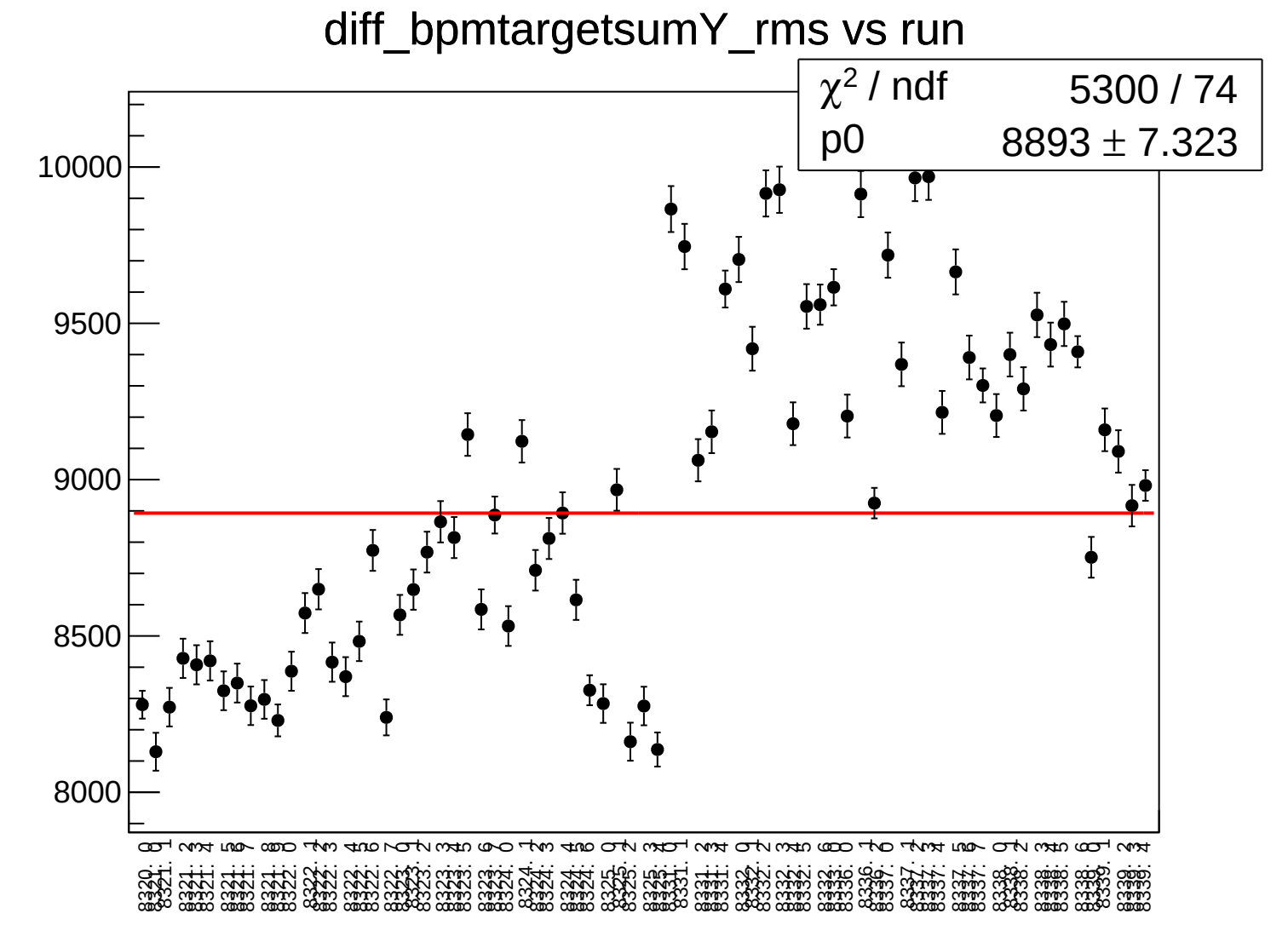

diff_bpmtargetdiffX_mean vs run
χ² / ndf 74.59 / 74
p0 −7.112 ± 1.609
pull
Entries 75
Mean −158.1
Std Dev 0

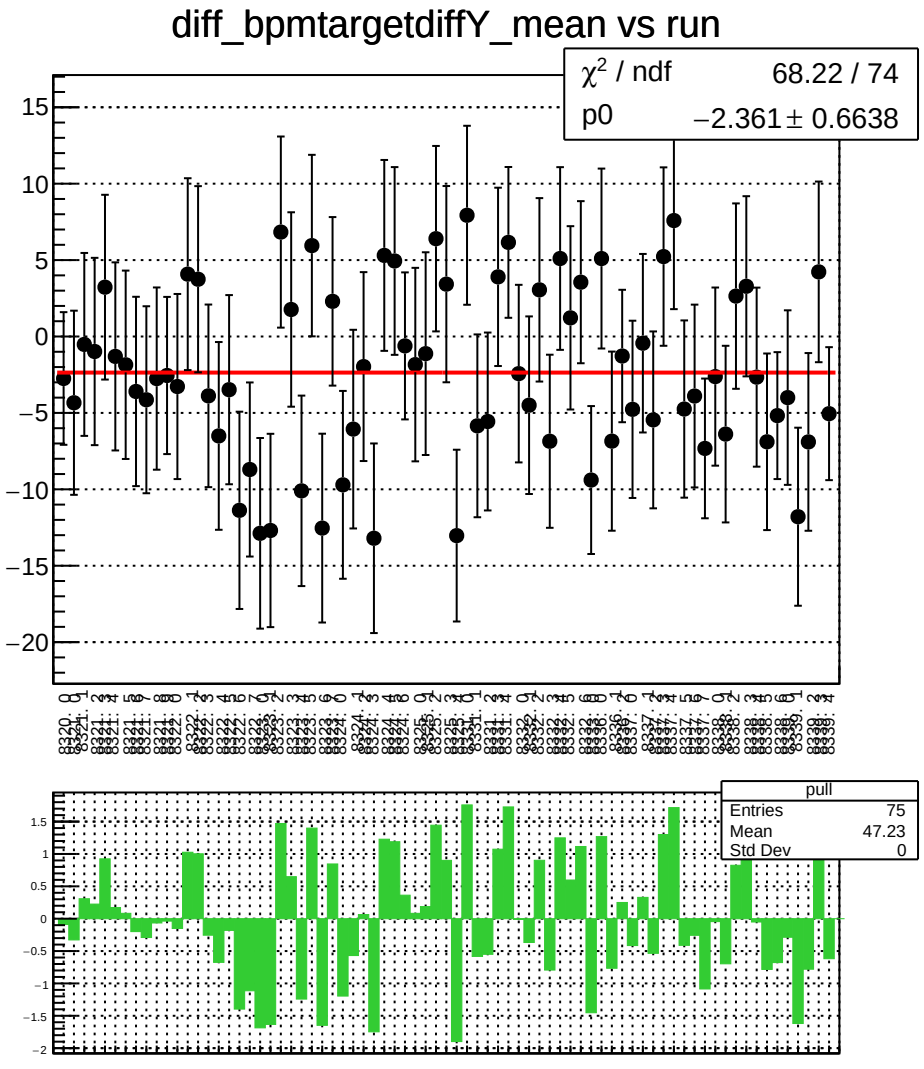

pull1D
Entries 75
Mean 0.001727
Std Dev 0.9973

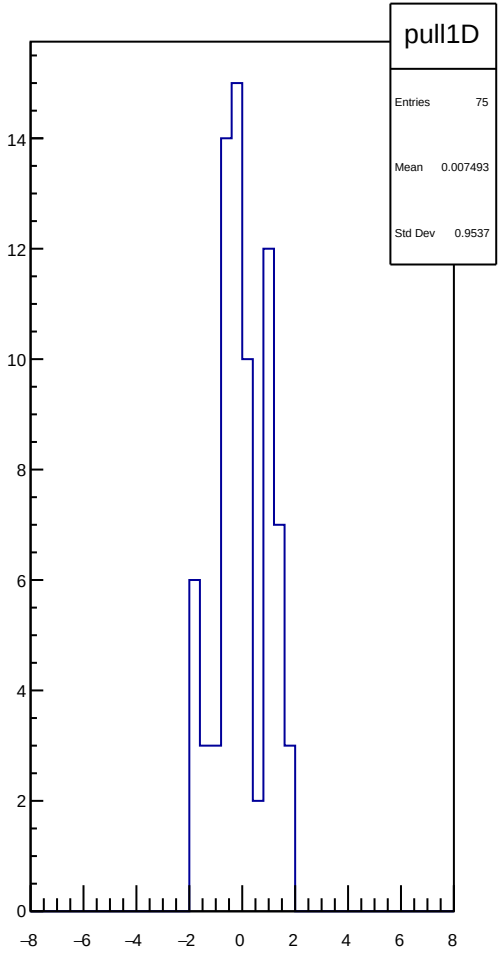

diff_bpmtargetdiffX_rms vs run
χ² / ndf 1.245e+04 / 74
p0 1379 ± 1.138
1800
1700
1600
1500
1400
1300
1200

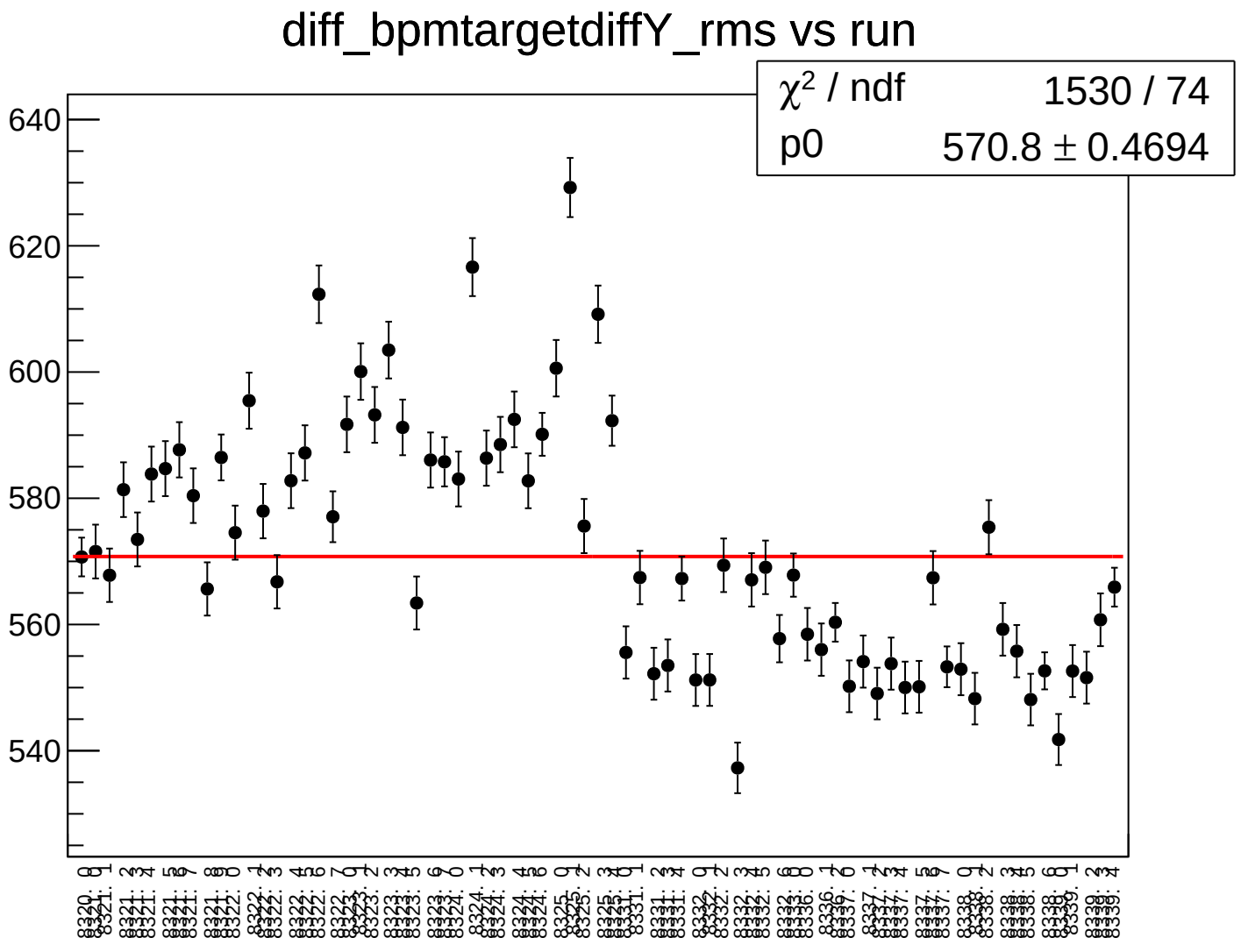

diff_bpmtargetsumY_mean vs run
χ² / ndf 89.38 / 74
p0 42.81 ± 10.36
pull
Entries 75
Mean −448.2
Std Dev 0

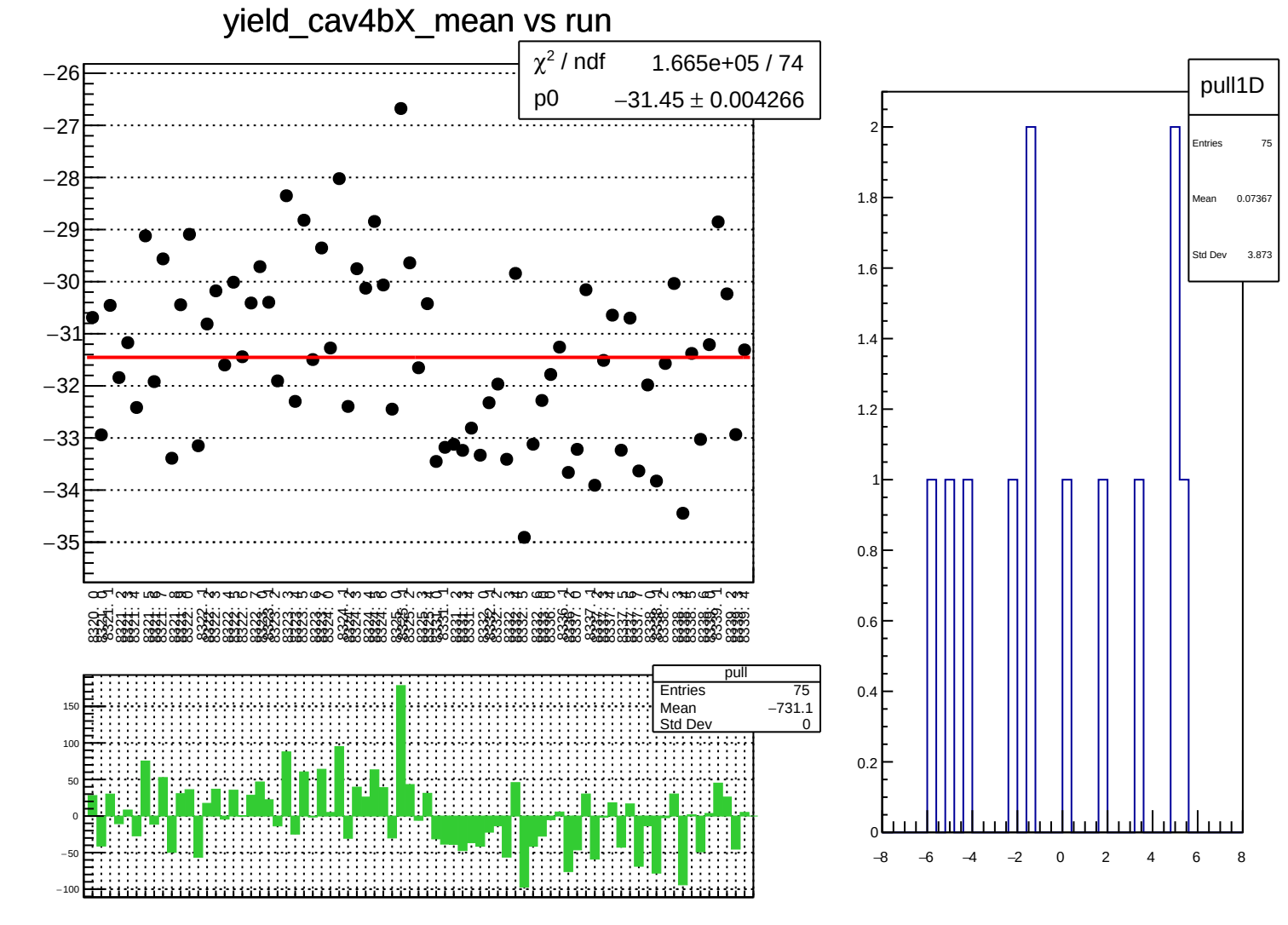

pull1D
Entries 75
Mean −0.002504
Std Dev 1.092

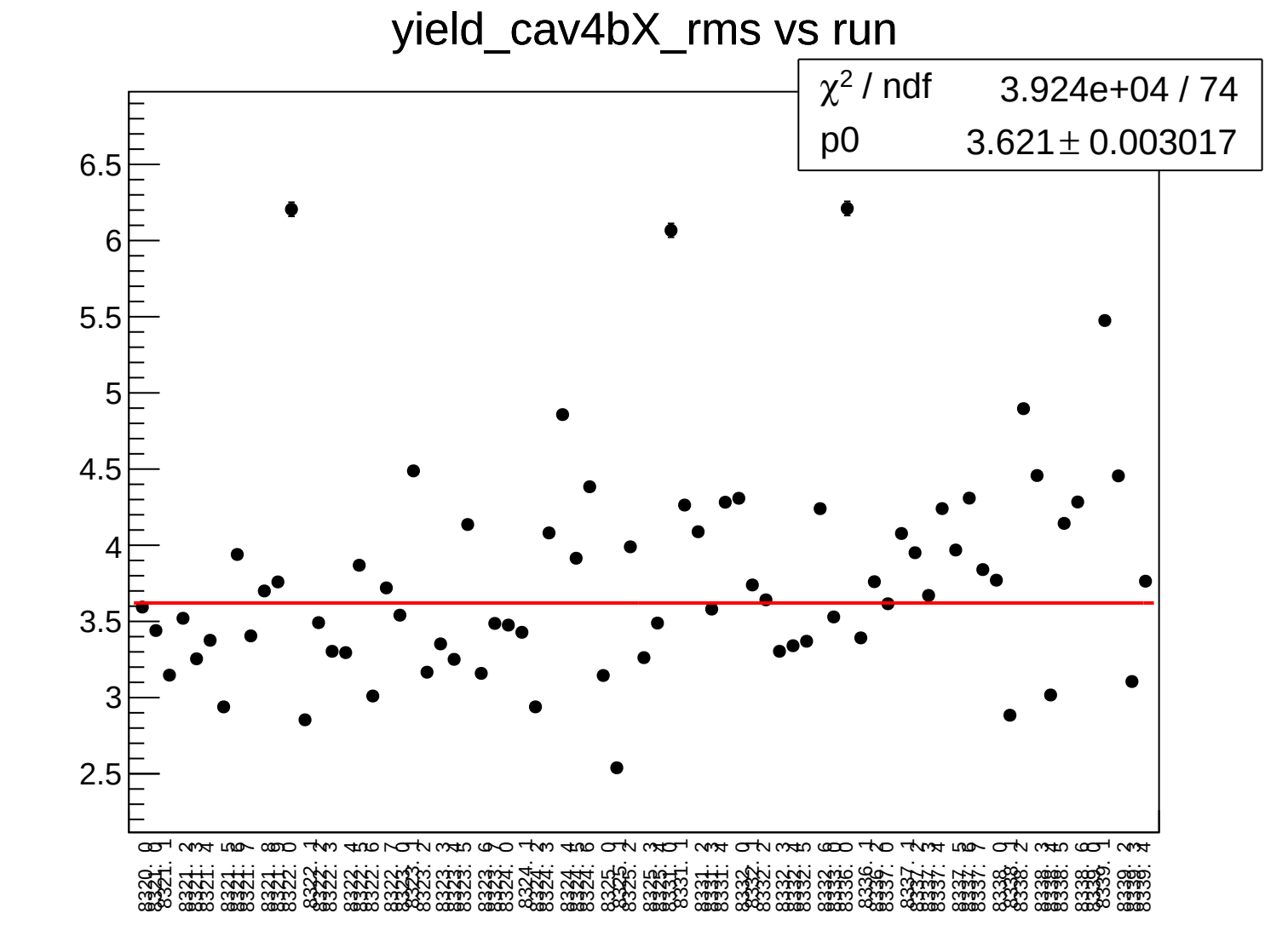

diff_bpmtargetsumY_rms vs run
χ² / ndf 5300 / 74
p0 8893 ± 7.323
10000
9500
9000
8500
8000

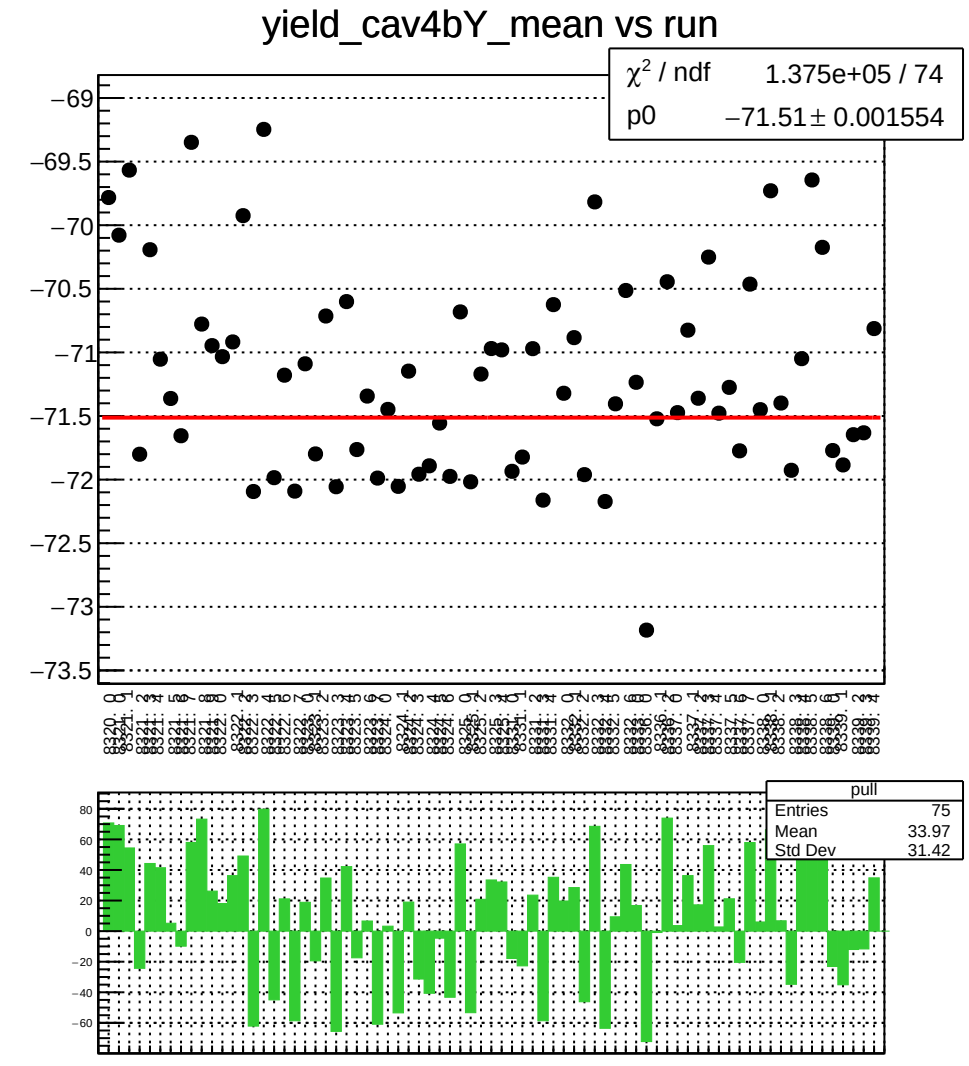

diff_bpmtargetdiffY_mean vs run
χ² / ndf 68.22 / 74
p0 −2.361 ± 0.6638
pull
Entries 75
Mean 47.23
Std Dev 0

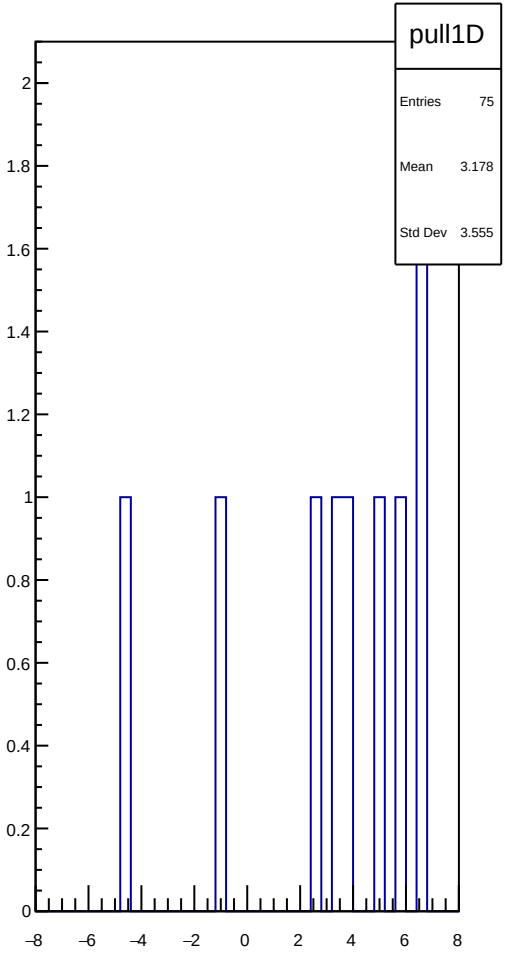

pull1D
Entries 75
Mean 0.007493
Std Dev 0.9537

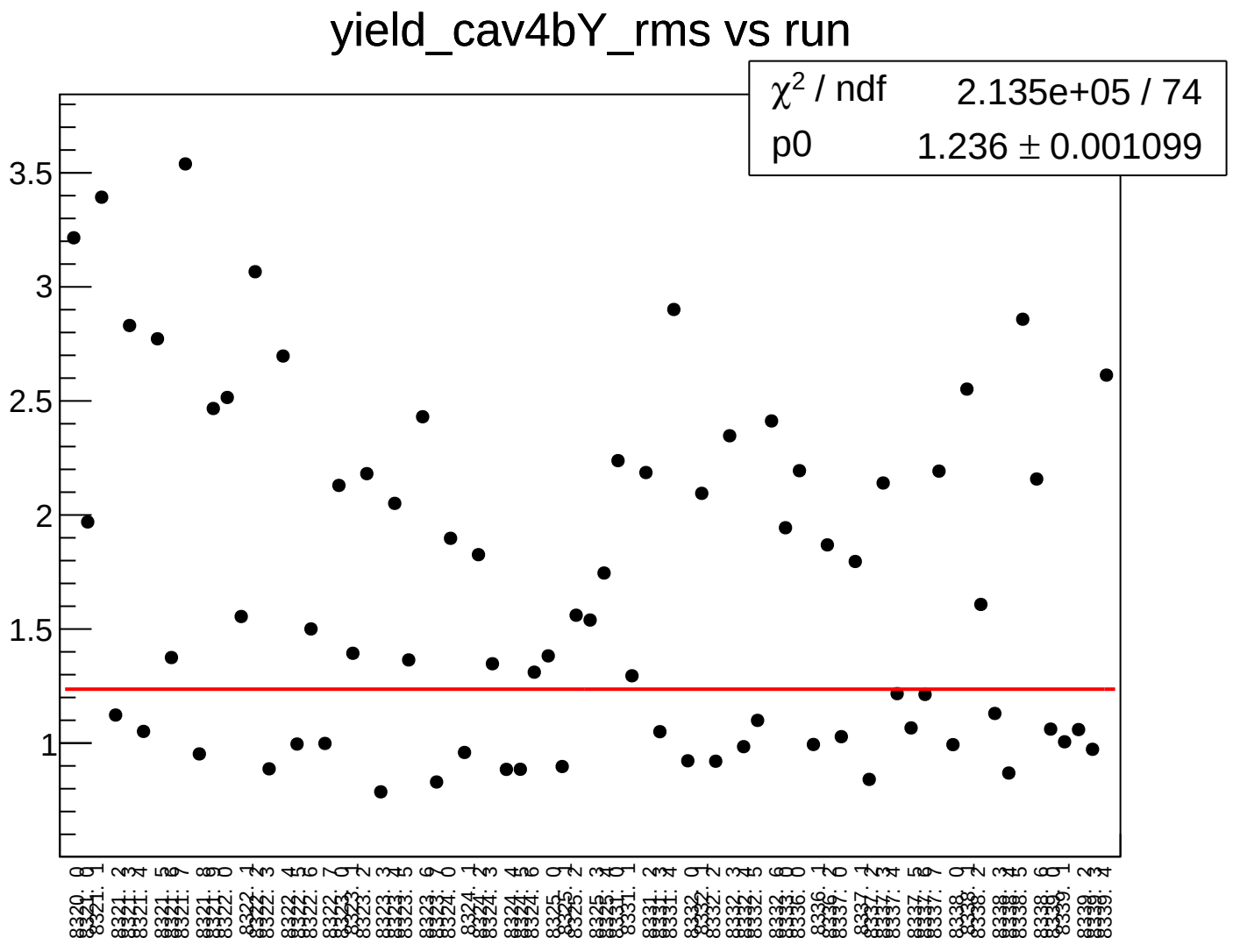

diff_bpmtargetdiffY_rms vs run
χ² / ndf 1530 / 74
p0 570.8 ± 0.4694
640
620
600
580
560
540

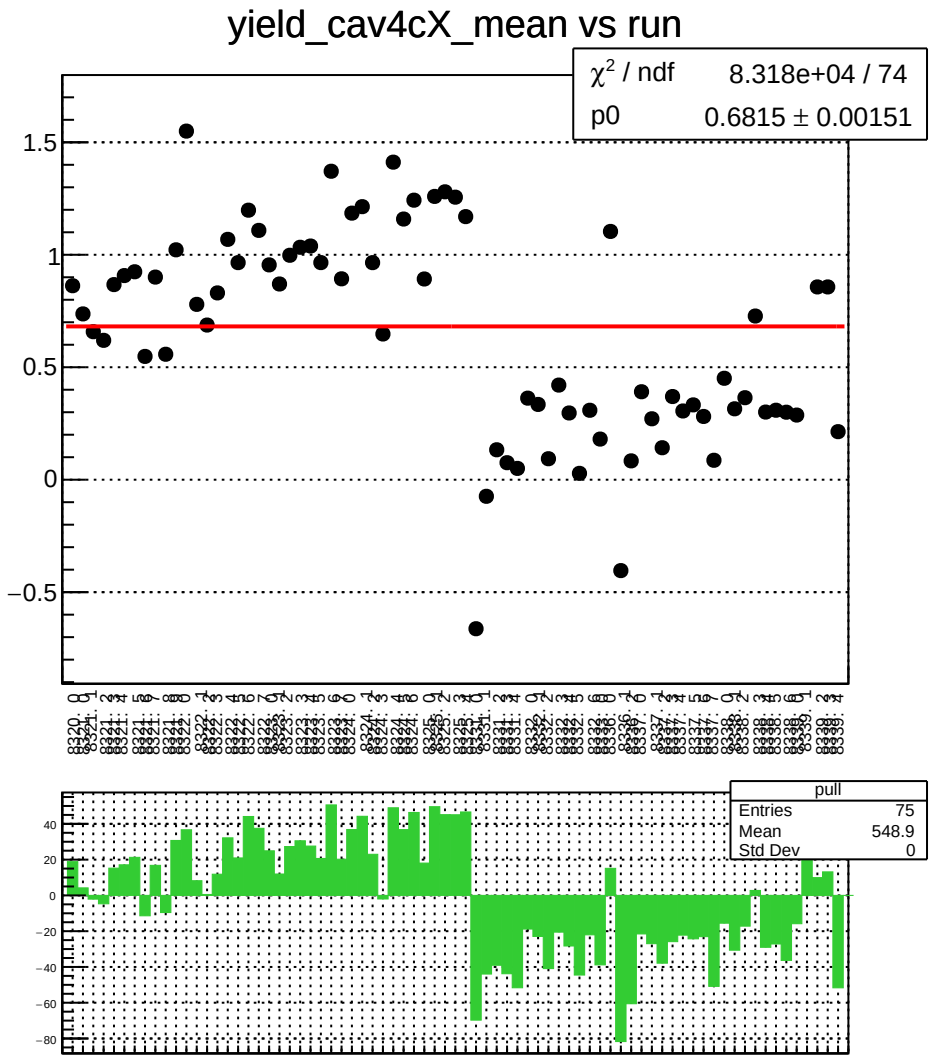

yield_cav4bX_mean vs run
χ² / ndf 1.665e+05 / 74
p0 −31.45 ± 0.004266
pull
Entries 75
Mean −731.1
Std Dev 0
pull1D
Entries 75
Mean 0.07367
Std Dev 3.873

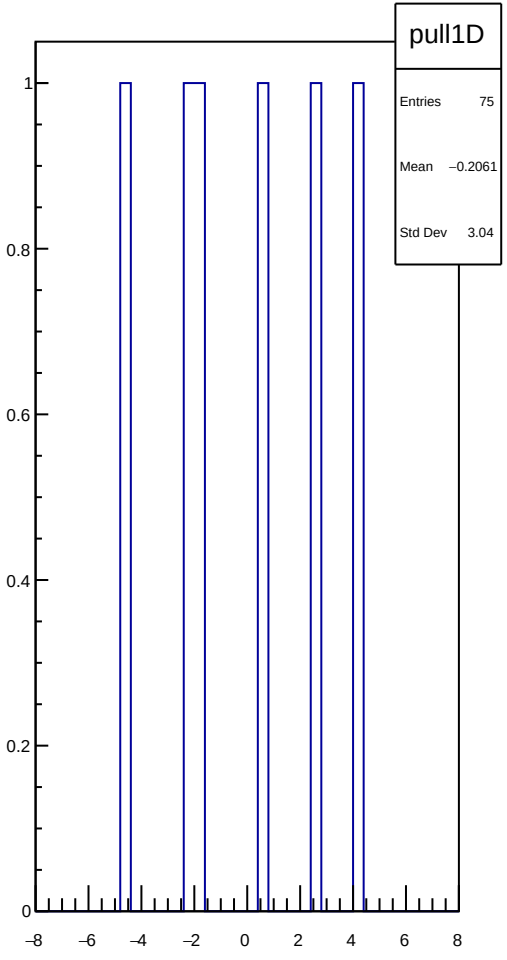

yield_cav4bX_rms vs run
χ^2 / ndf 3.924e+04 / 74
p0 3.621 ± 0.003017
6.5
6
5.5
5
4.5
4
3.5
3
2.5

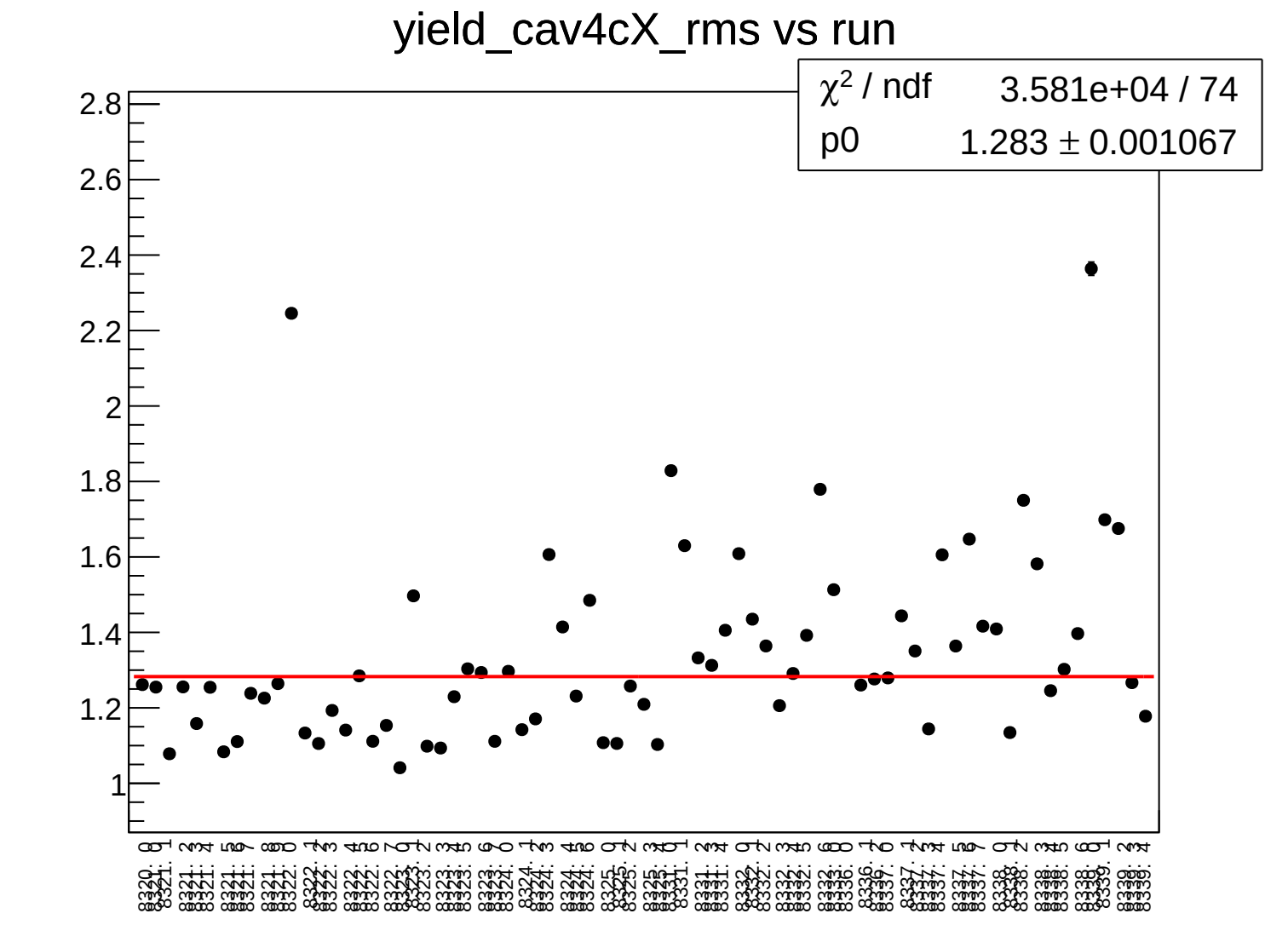

yield_cav4bY_mean vs run
χ² / ndf 1.375e+05 / 74
p0 −71.51 ± 0.001554
pull
Entries 75
Mean 33.97
Std Dev 31.42

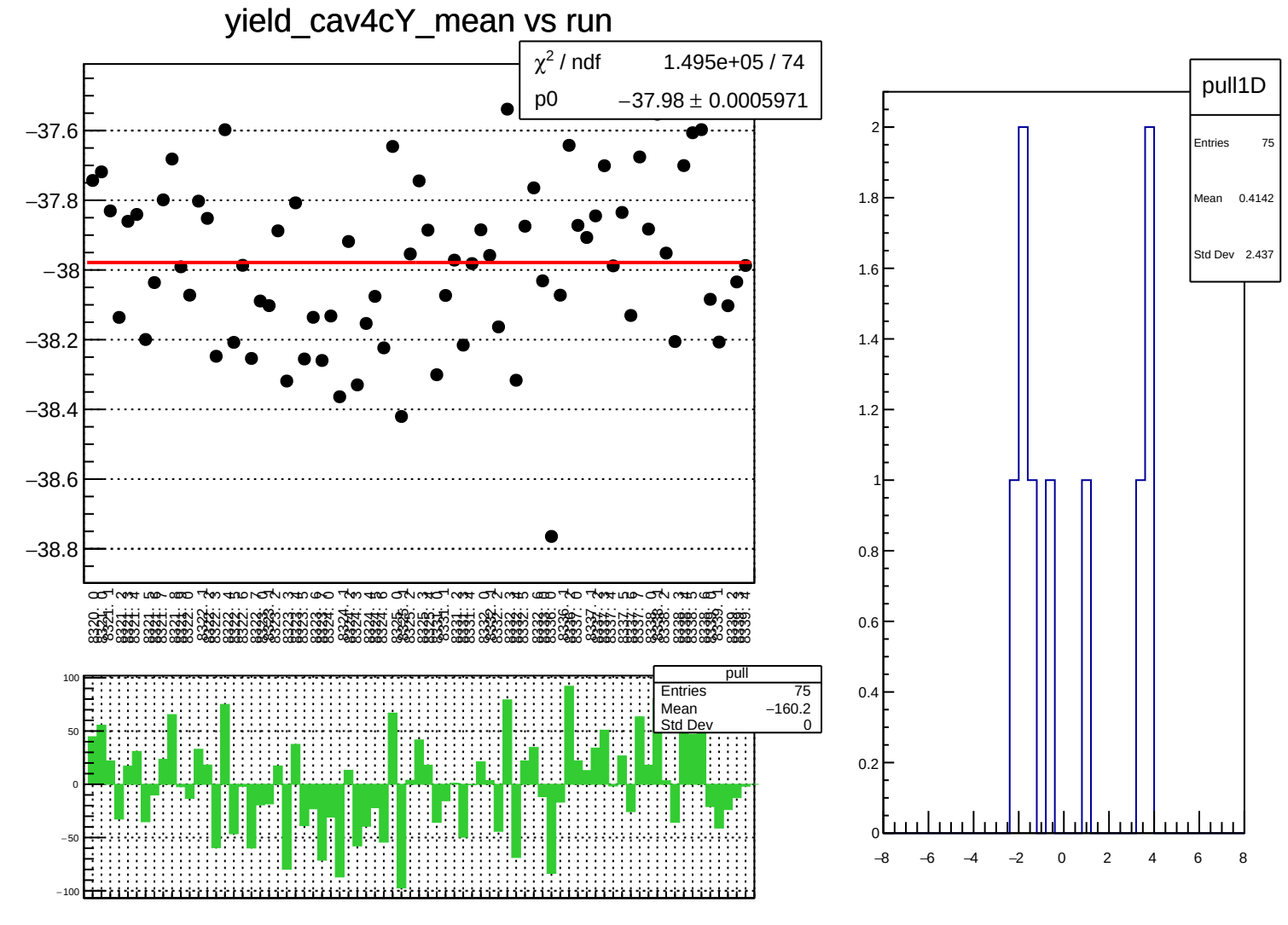

pull1D
Entries 75
Mean 3.178
Std Dev 3.555

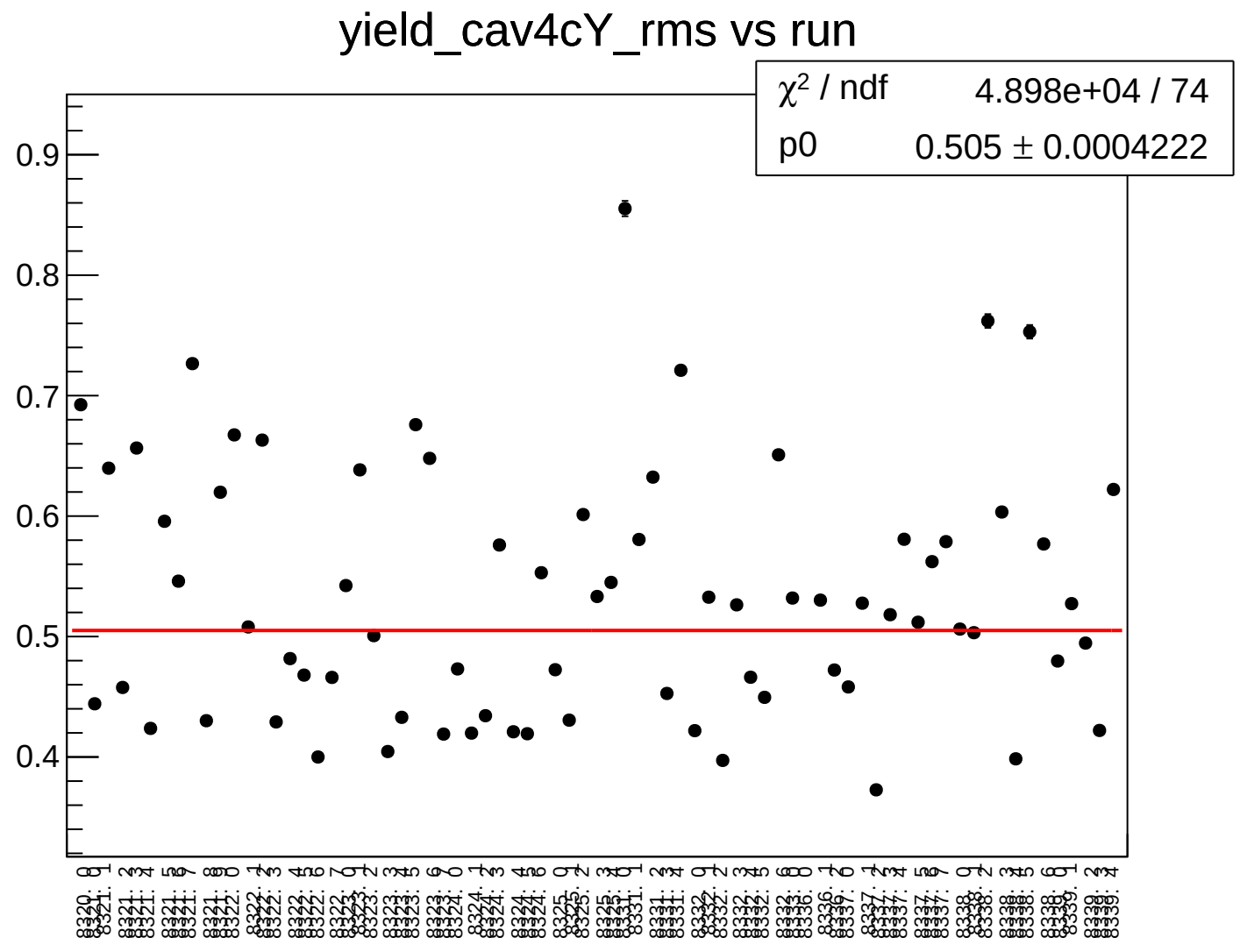

yield_cav4bY_rms vs run
χ² / ndf 2.135e+05 / 74
p0 1.236 ± 0.001099
3.5
3
2.5
2
1.5
1

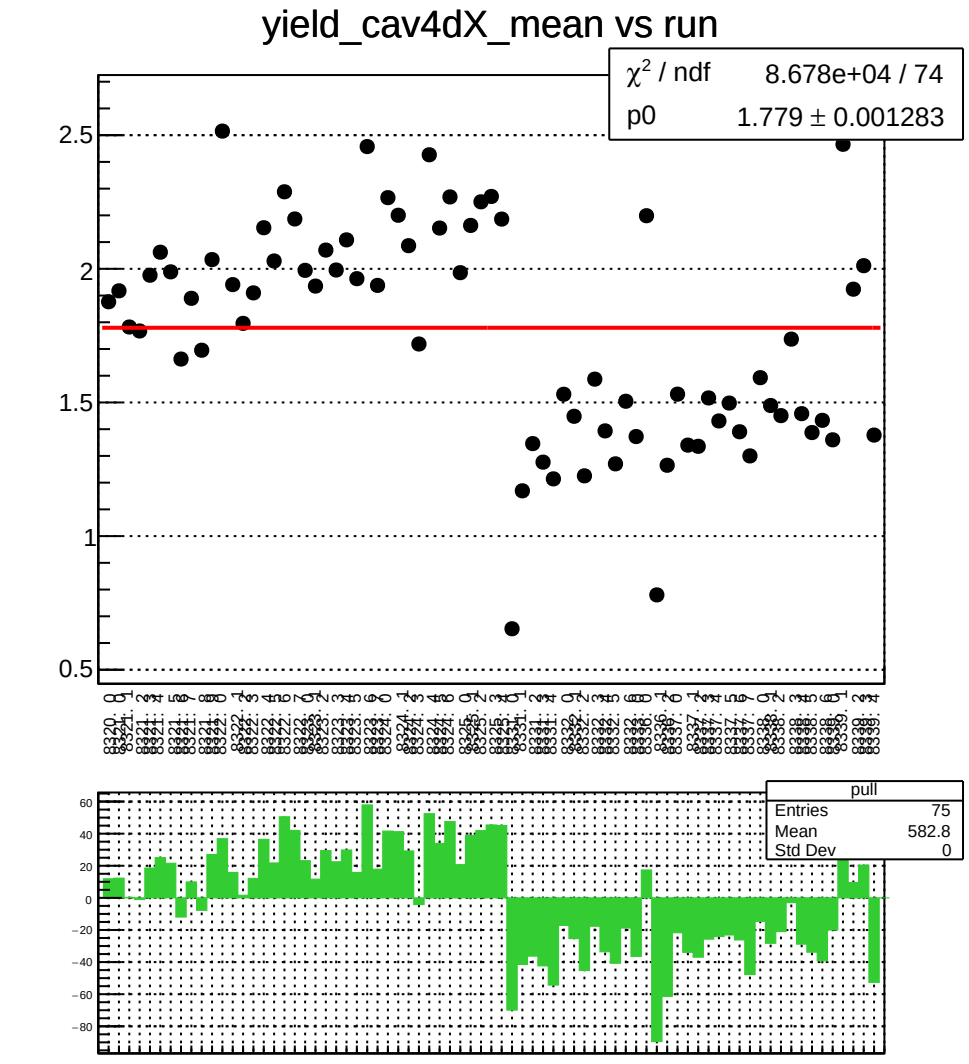

yield_cav4cX_mean vs run
χ² / ndf 8.318e+04 / 74
p0 0.6815 ± 0.00151
pull
Entries 75
Mean 548.9
Std Dev 0

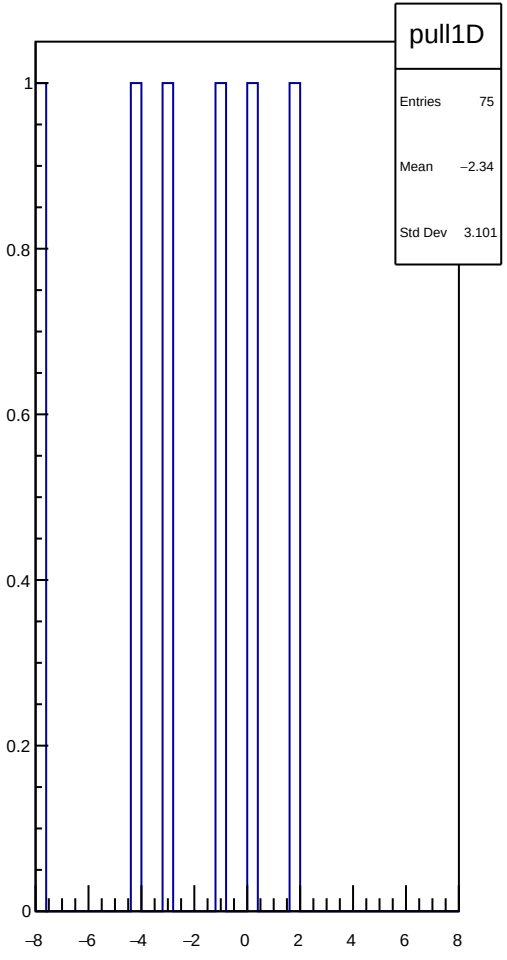

pull1D
Entries 75
Mean −0.2061
Std Dev 3.04

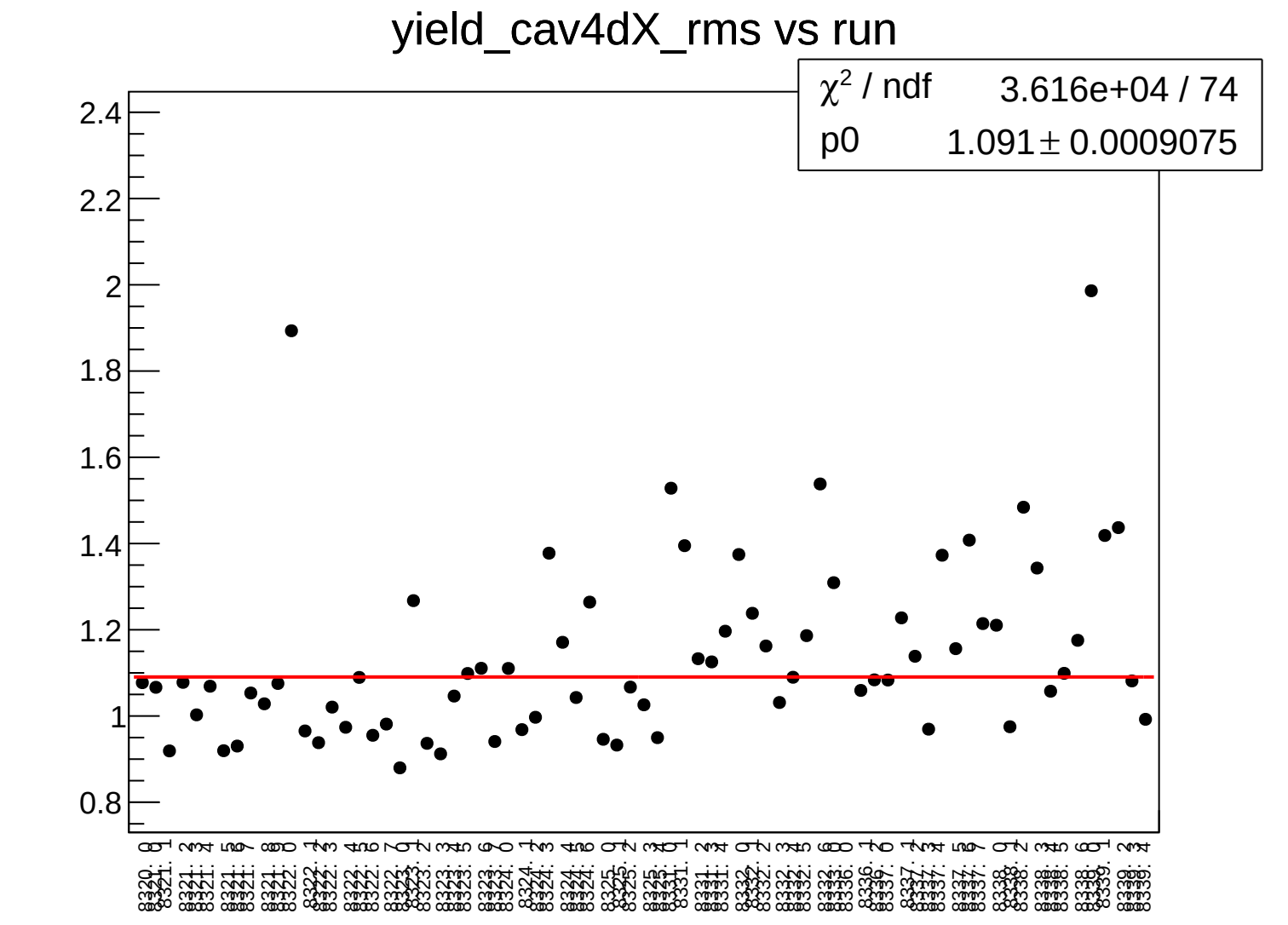

yield_cav4cX_rms vs run
χ^2 / ndf 3.581e+04 / 74
p0 1.283 ± 0.001067
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1

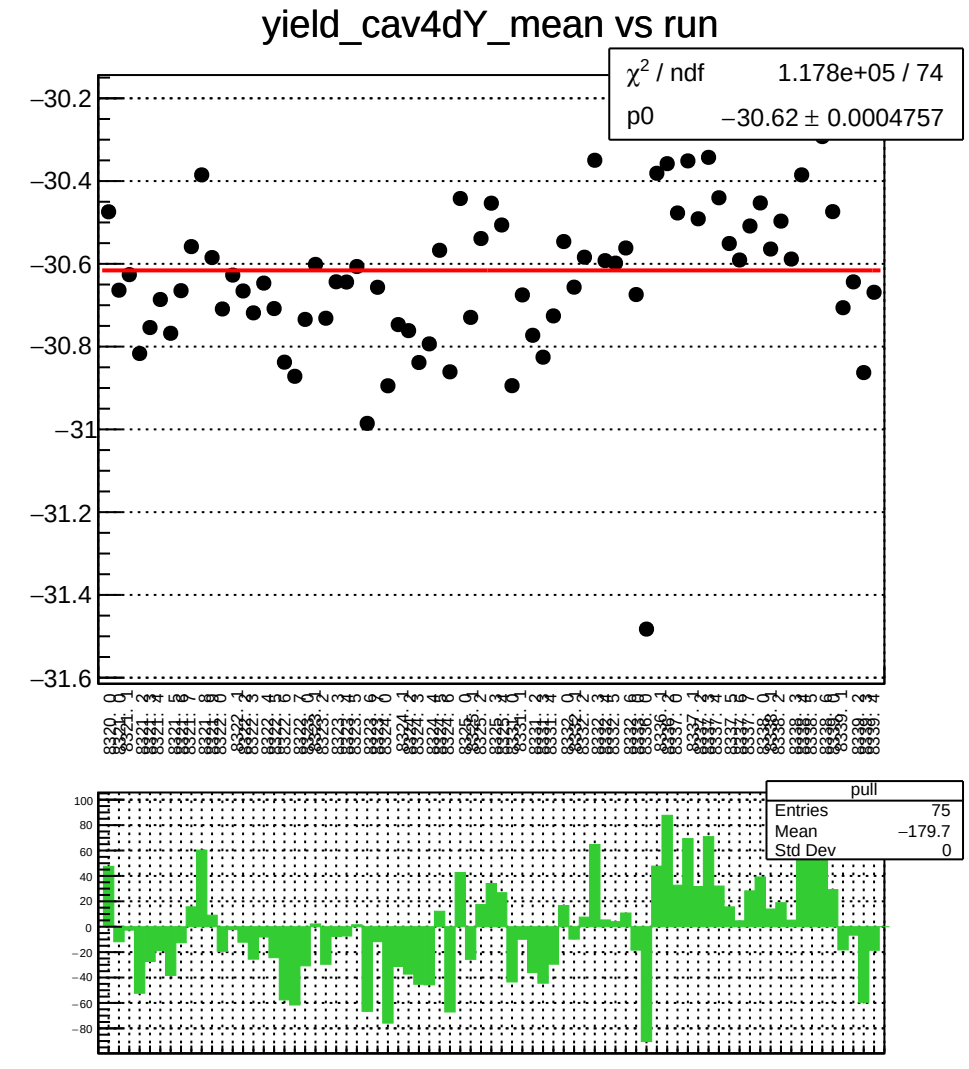

yield_cav4cY_mean vs run
χ² / ndf 1.495e+05 / 74
p0 −37.98 ± 0.0005971
−37.6
−37.8
−38
−38.2
−38.4
−38.6
−38.8
pull
Entries 75
Mean −160.2
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 75
Mean 0.4142
Std Dev 2.437
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

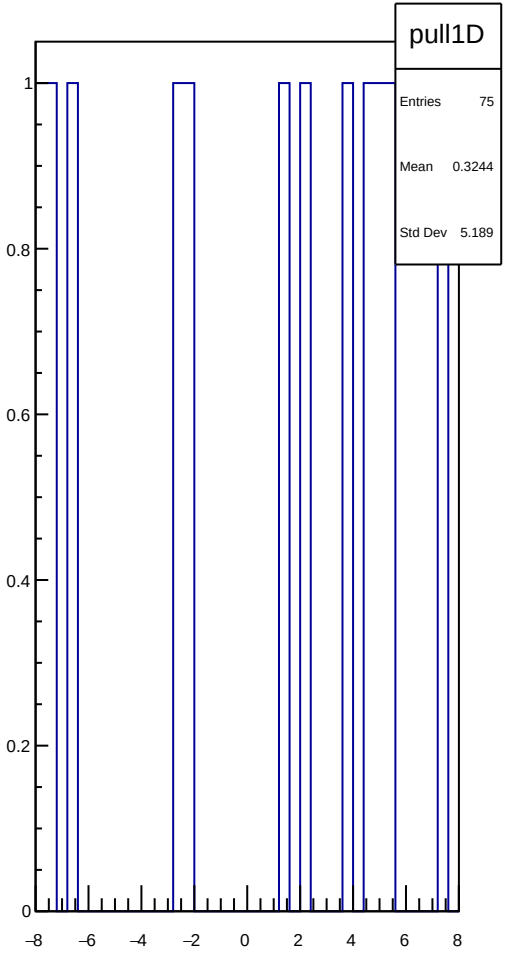

yield_cav4cY_rms vs run
χ² / ndf 4.898e+04 / 74
p0 0.505 ± 0.0004222
0.9
0.8
0.7
0.6
0.5
0.4

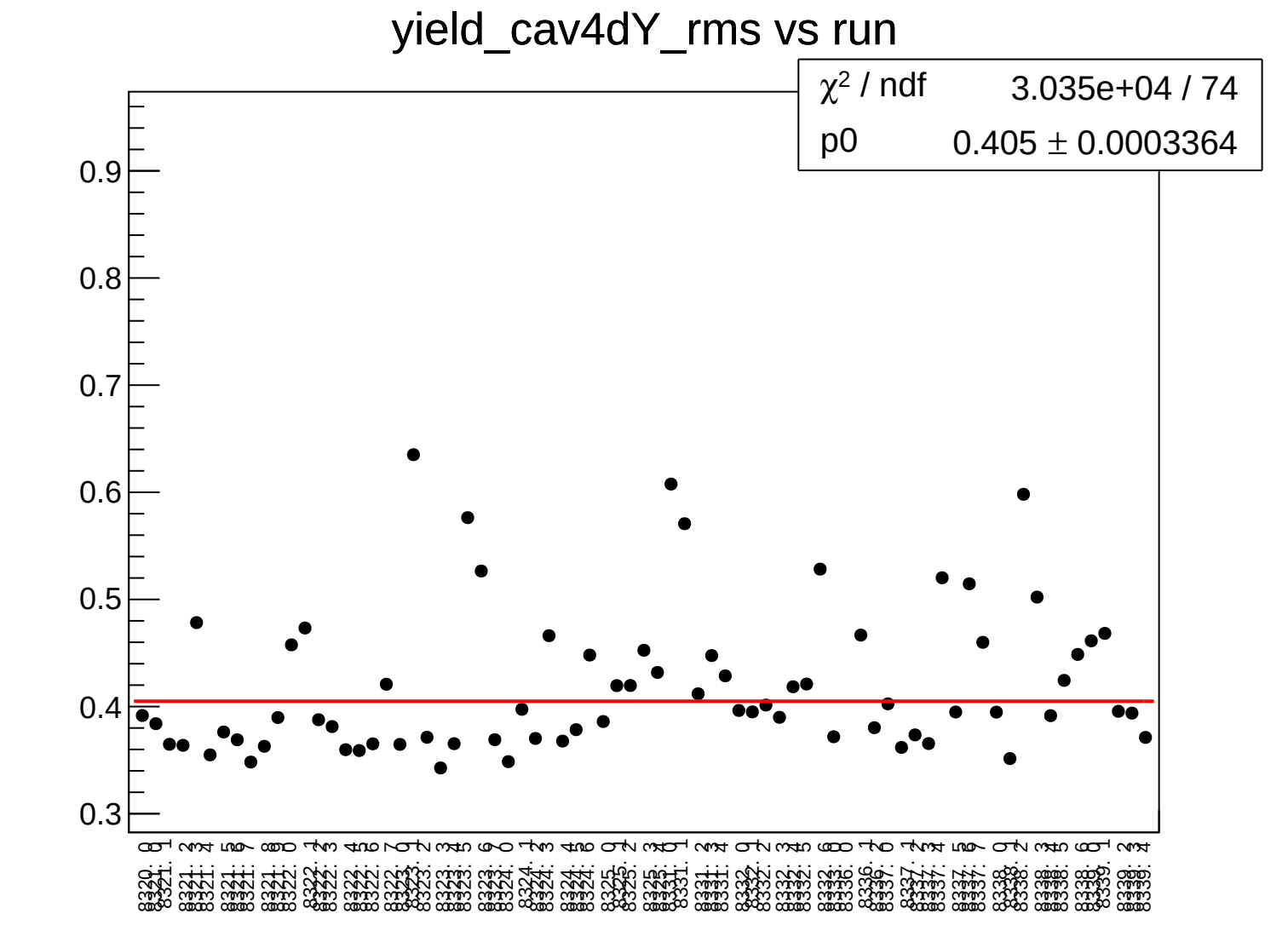

yield_cav4dX_mean vs run
χ² / ndf 8.678e+04 / 74
p0 1.779 ± 0.001283
pull
Entries 75
Mean 582.8
Std Dev 0

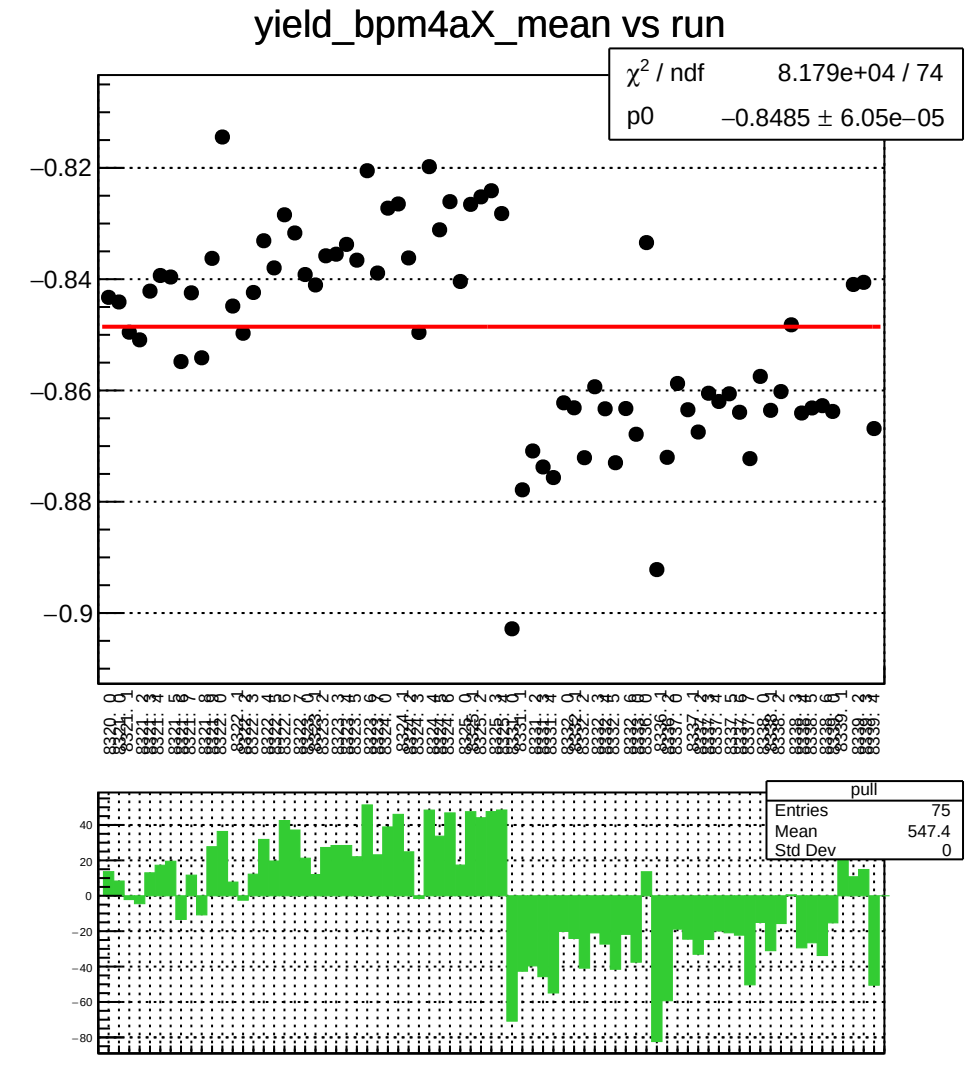

pull1D
Entries 75
Mean −2.34
Std Dev 3.101

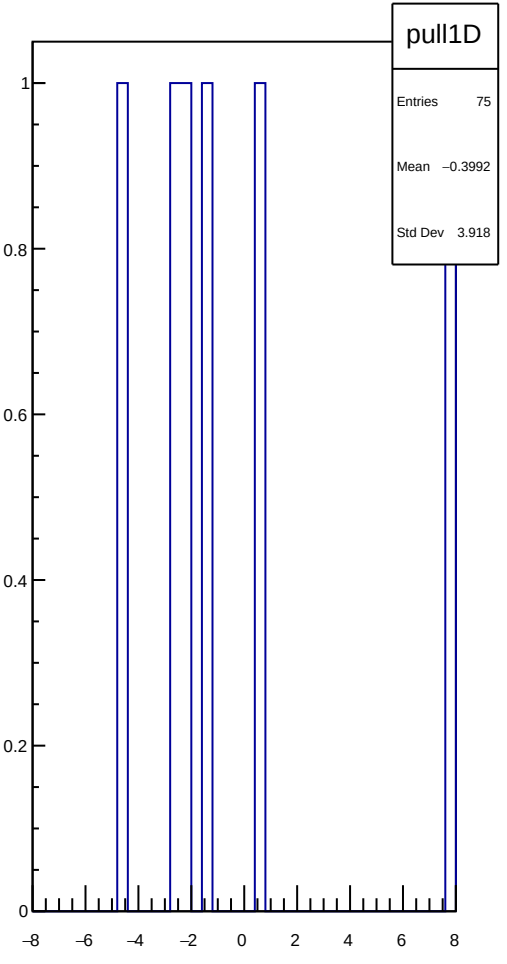

yield_cav4dX_rms vs run
χ² / ndf 3.616e+04 / 74
p0 1.091 ± 0.0009075
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8

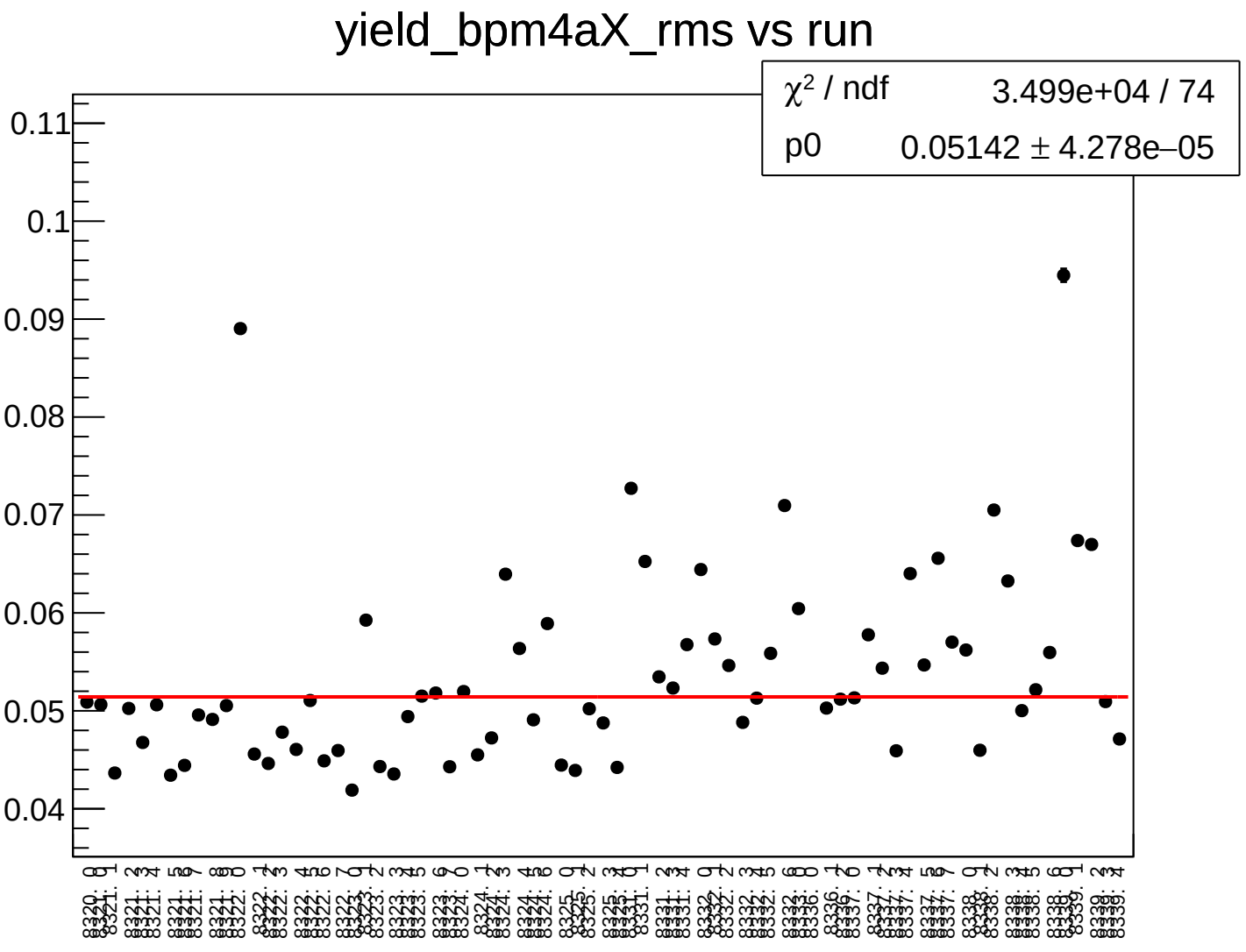

yield_cav4dY_mean vs run
χ² / ndf 1.178e+05 / 74
p0 −30.62 ± 0.0004757
−30.2
−30.4
−30.6
−30.8
−31
−31.2
−31.4
−31.6
pull
Entries 75
Mean −179.7
Std Dev 0
100
80
60
40
20
0
−20
−40
−60
−80

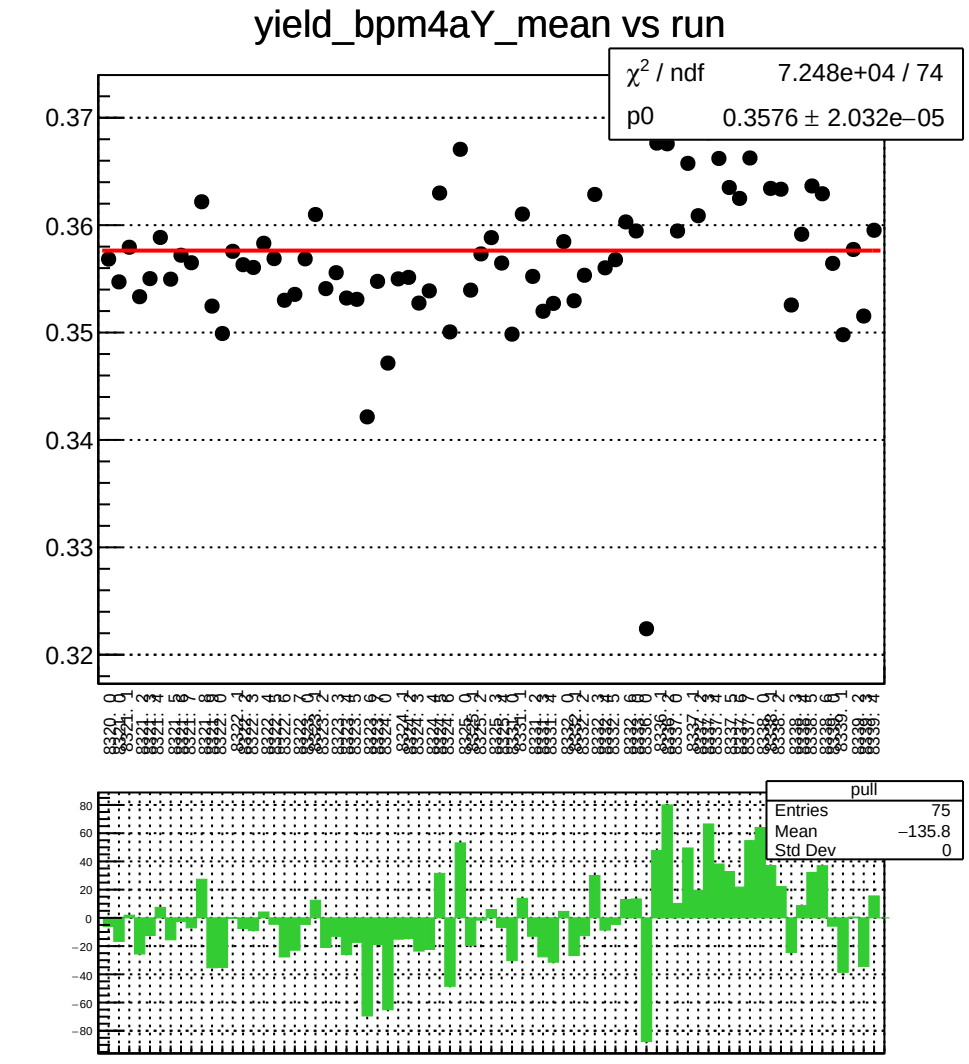

pull1D
Entries 75
Mean 0.3244
Std Dev 5.189
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

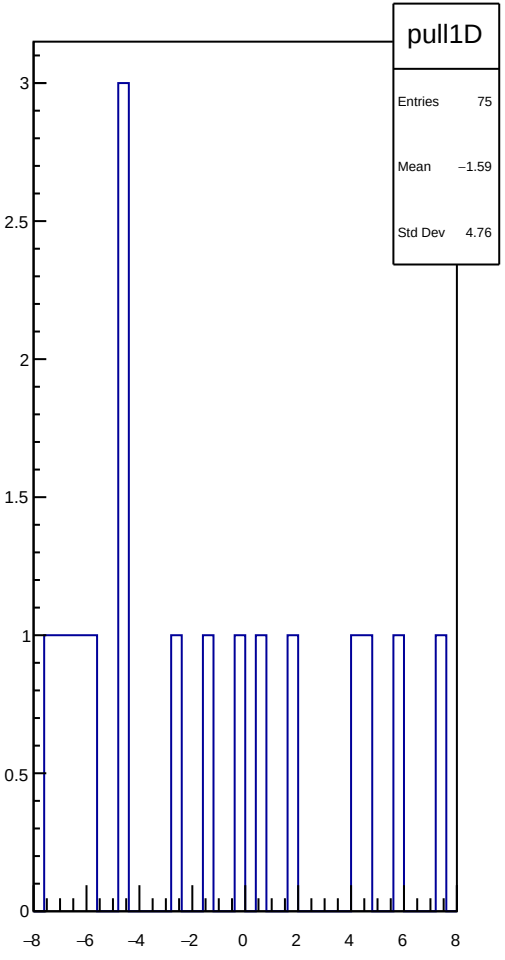

yield_cav4dY_rms vs run
χ² / ndf 3.035e+04 / 74
p0 0.405 ± 0.0003364
0.9
0.8
0.7
0.6
0.5
0.4
0.3

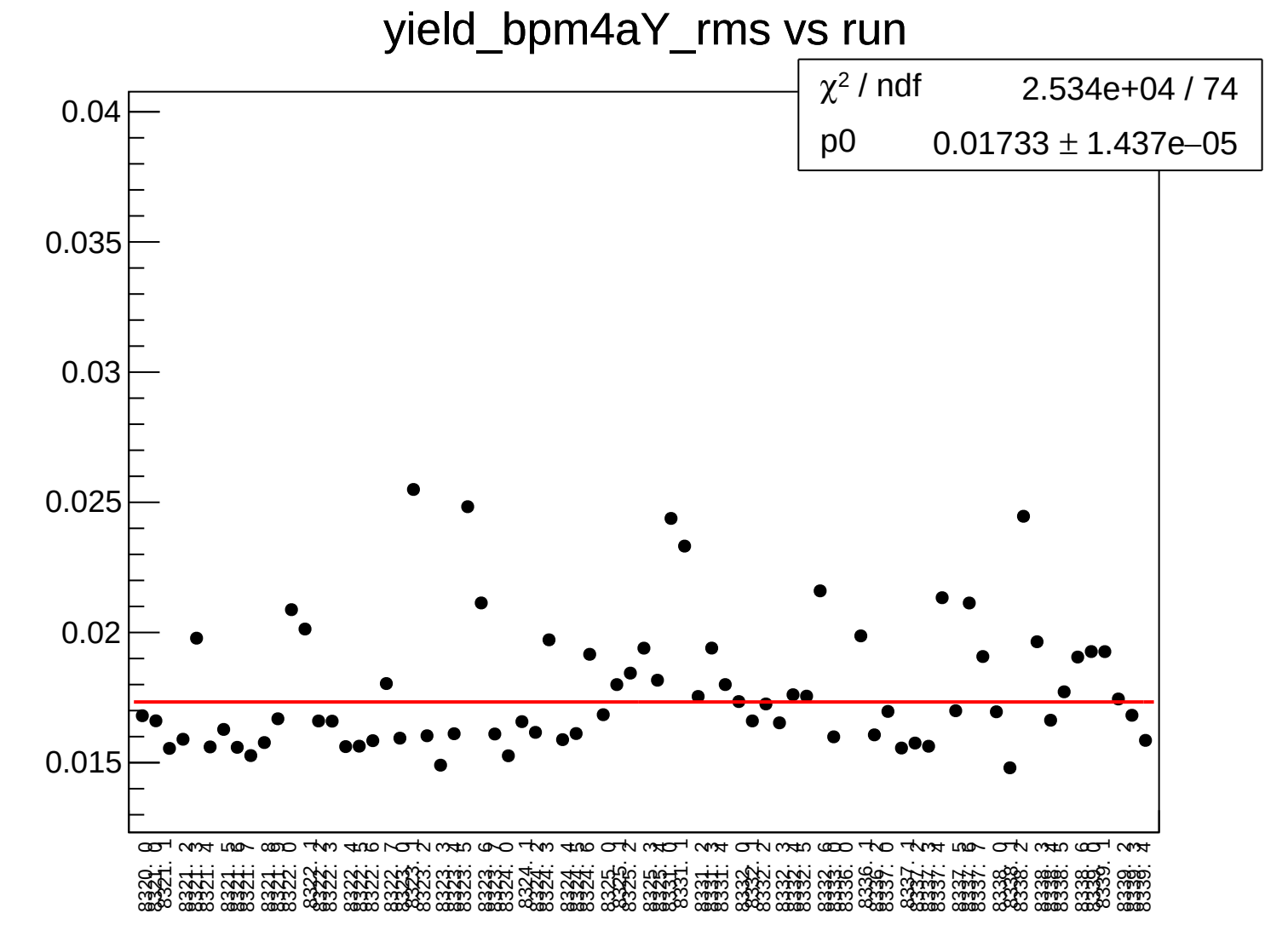

yield_bpm4aX_mean vs run
χ² / ndf 8.179e+04 / 74
p0 −0.8485 ± 6.05e−05
−0.82
−0.84
−0.86
−0.88
−0.9
pull
Entries 75
Mean 547.4
Std Dev 0
40
20
0
−20
−40
−60
−80

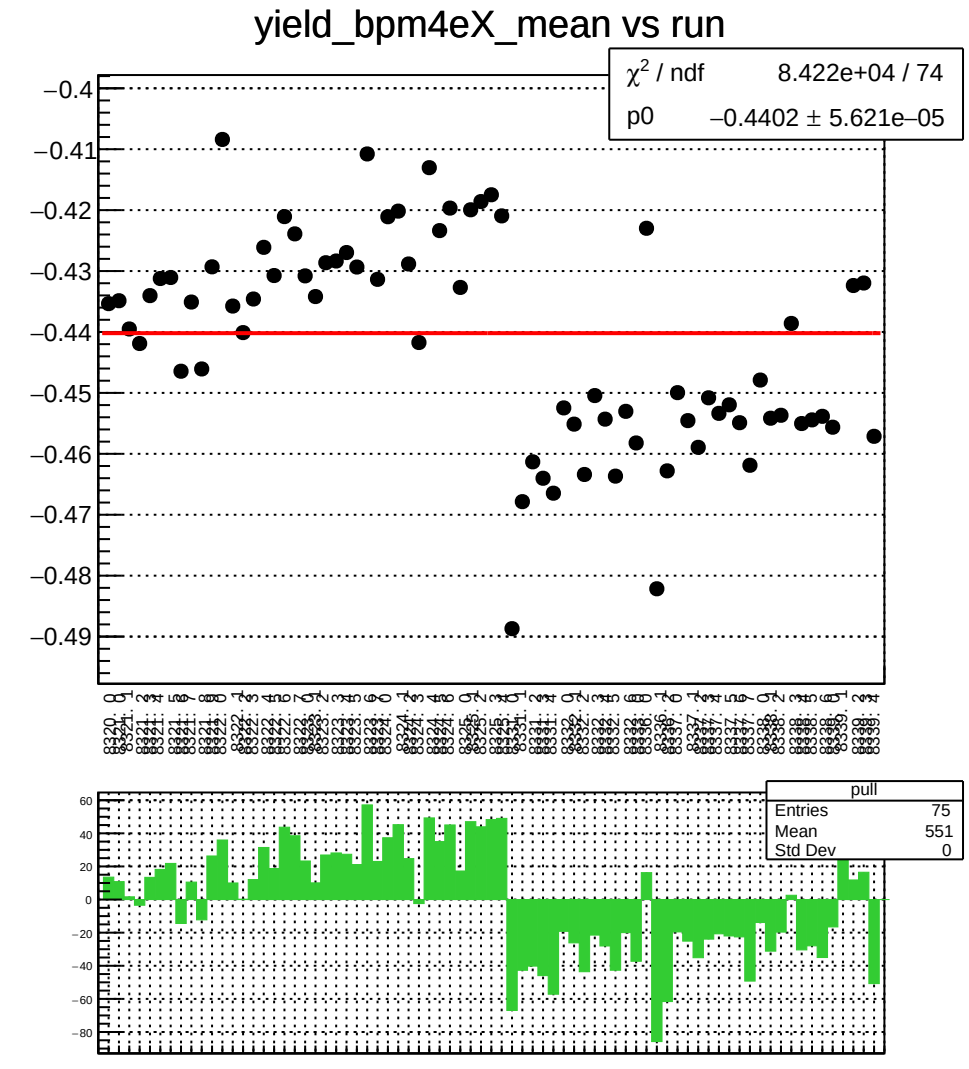

pull1D
Entries 75
Mean −0.3992
Std Dev 3.918
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

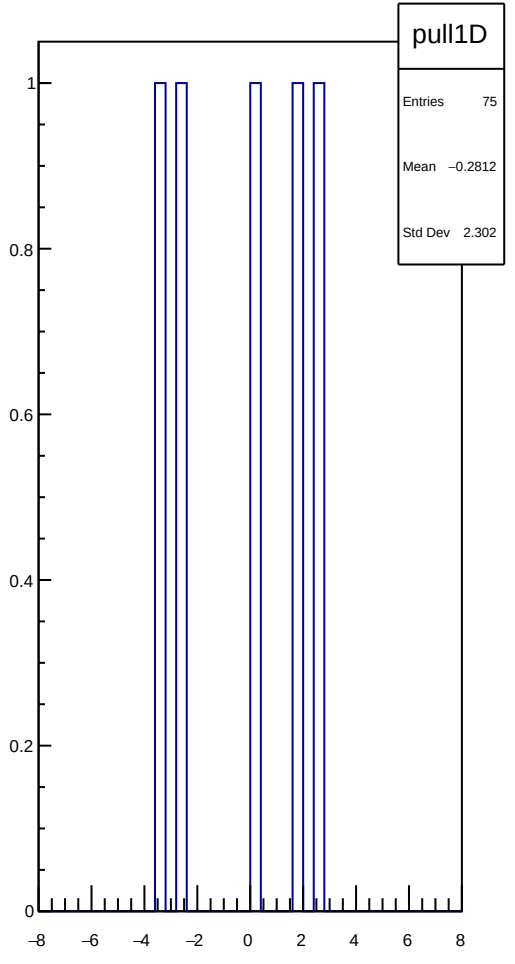

yield_bpm4aX_rms vs run
χ² / ndf 3.499e+04 / 74
p0 0.05142 ± 4.278e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

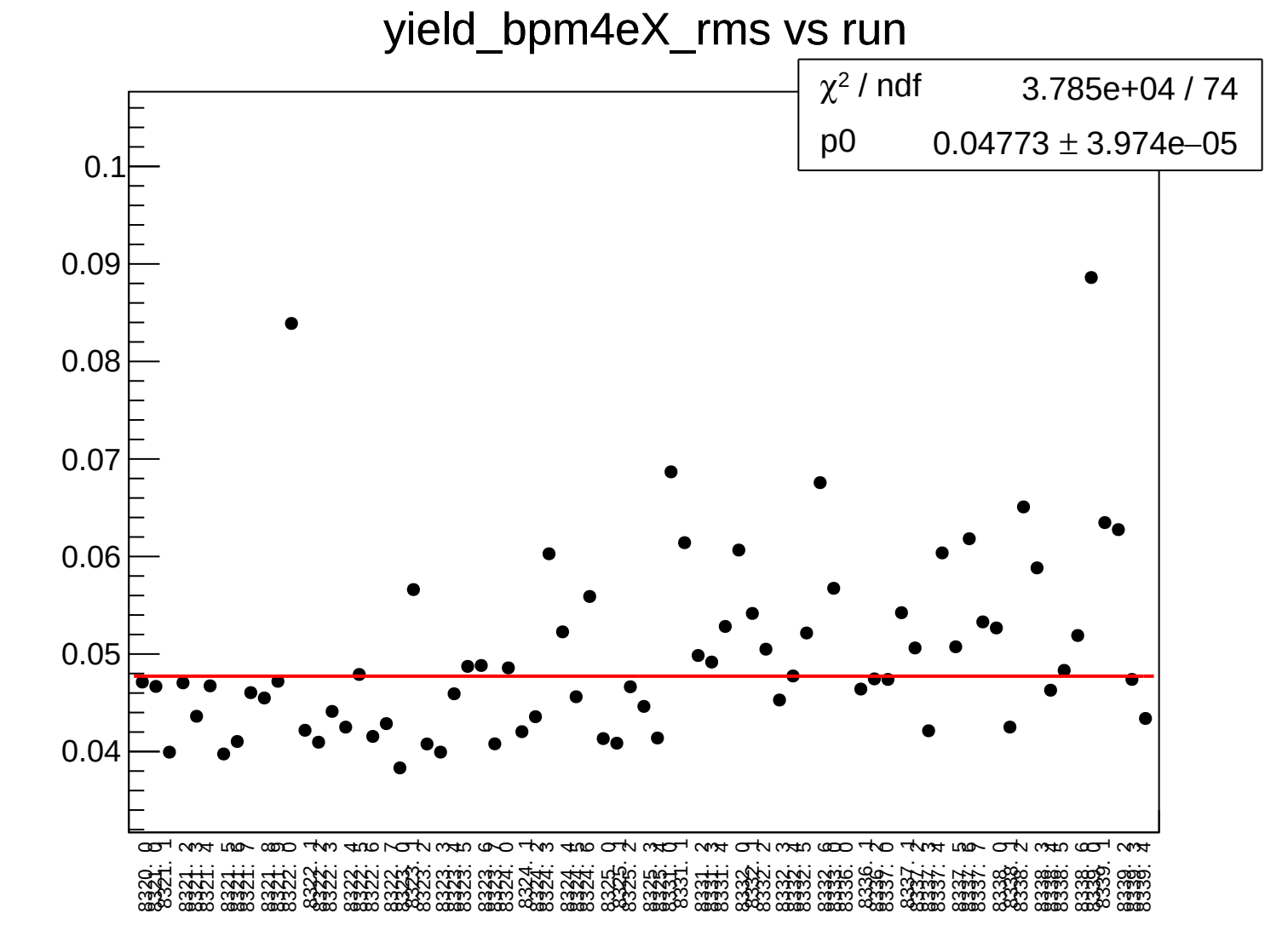

yield_bpm4aY_mean vs run
χ² / ndf 7.248e+04 / 74
p0 0.3576 ± 2.032e−05
0.37
0.36
0.35
0.34
0.33
0.32
pull
Entries 75
Mean −135.8
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

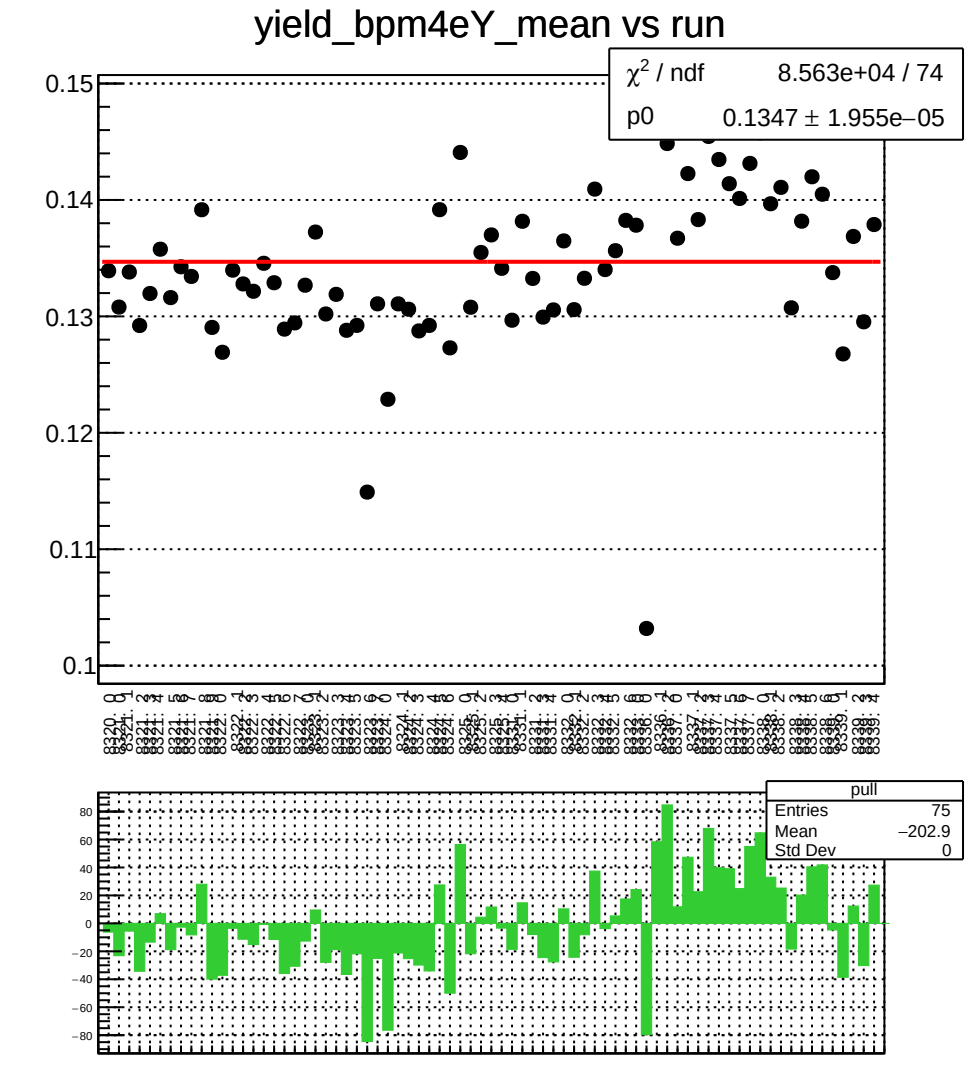

pull1D
Entries 75
Mean −1.59
Std Dev 4.76
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

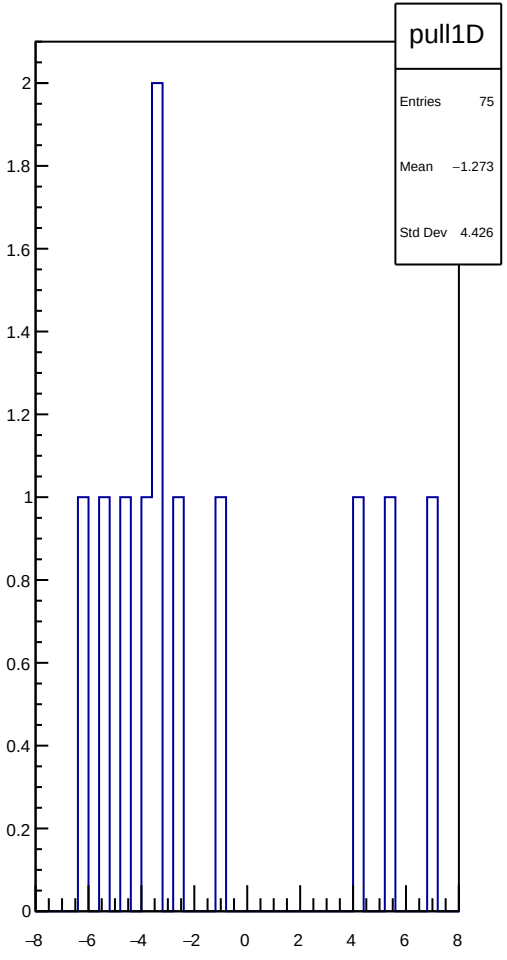

yield_bpm4aY_rms vs run
χ² / ndf 2.534e+04 / 74
p0 0.01733 ± 1.437e–05
0.04
0.035
0.03
0.025
0.02
0.015

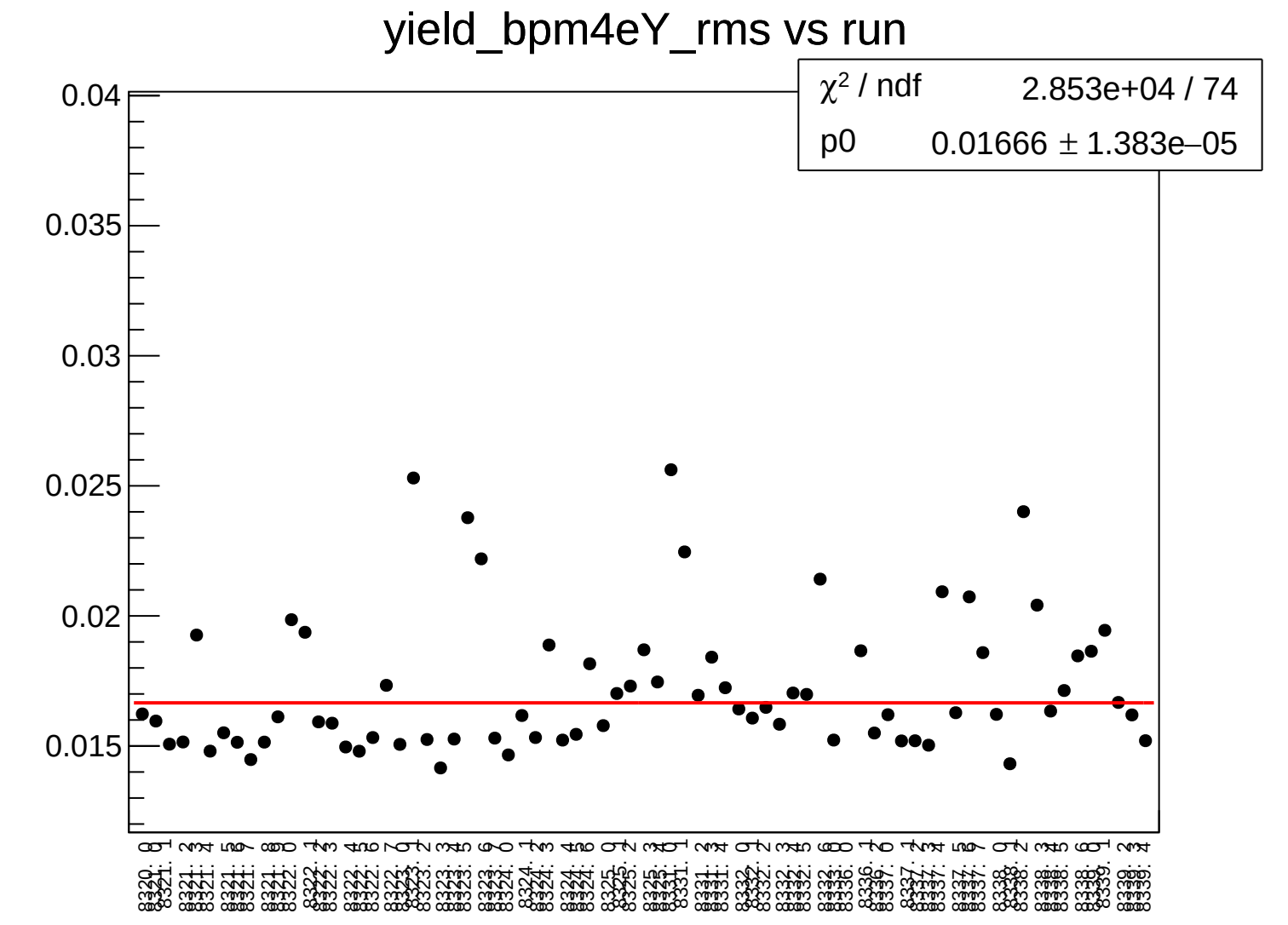

yield_bpm4eX_mean vs run
χ² / ndf 8.422e+04 / 74
p0 −0.4402 ± 5.621e−05
pull
Entries 75
Mean 551
Std Dev 0

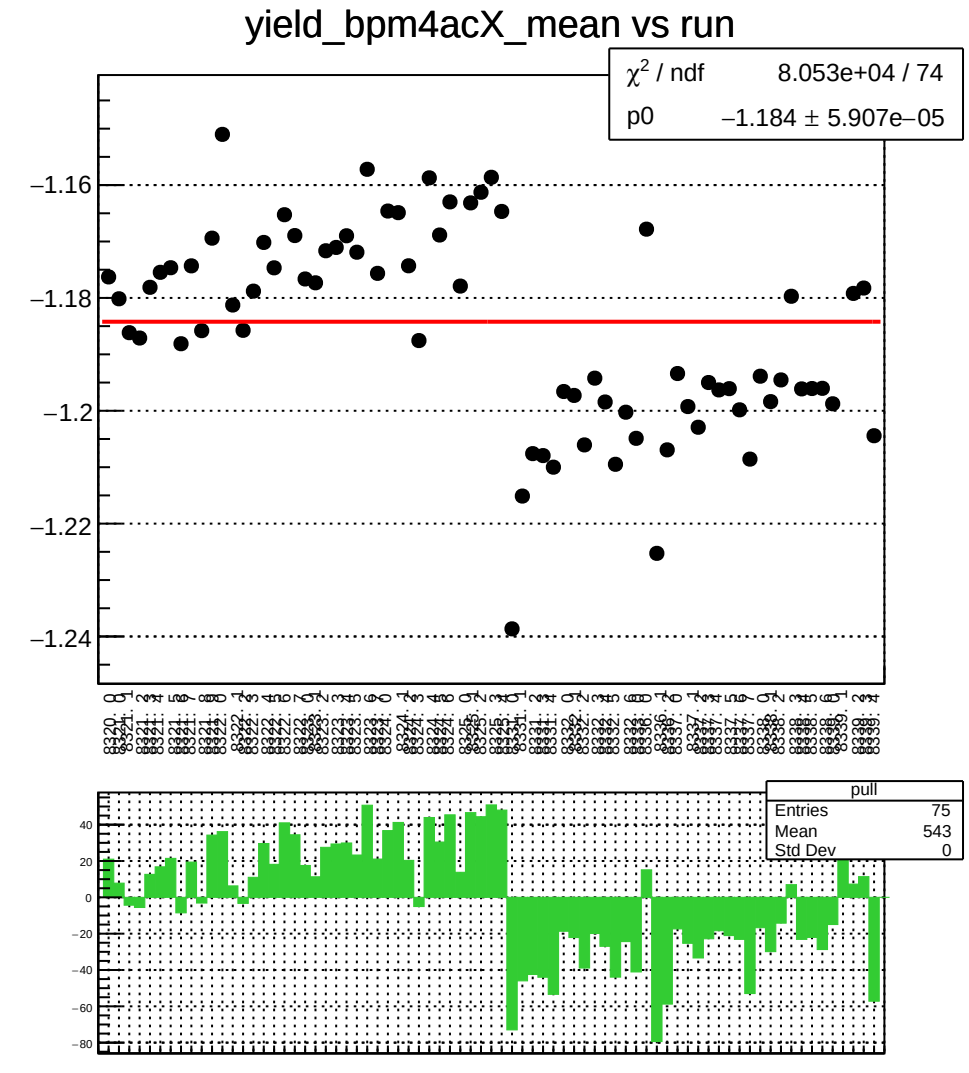

pull1D
Entries 75
Mean −0.2812
Std Dev 2.302

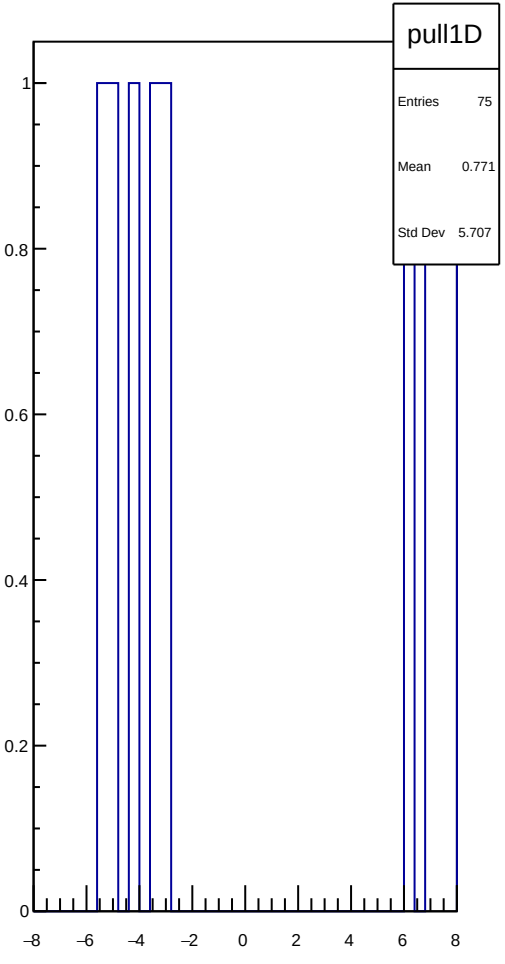

yield_bpm4eX_rms vs run
χ² / ndf 3.785e+04 / 74
p0 0.04773 ± 3.974e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

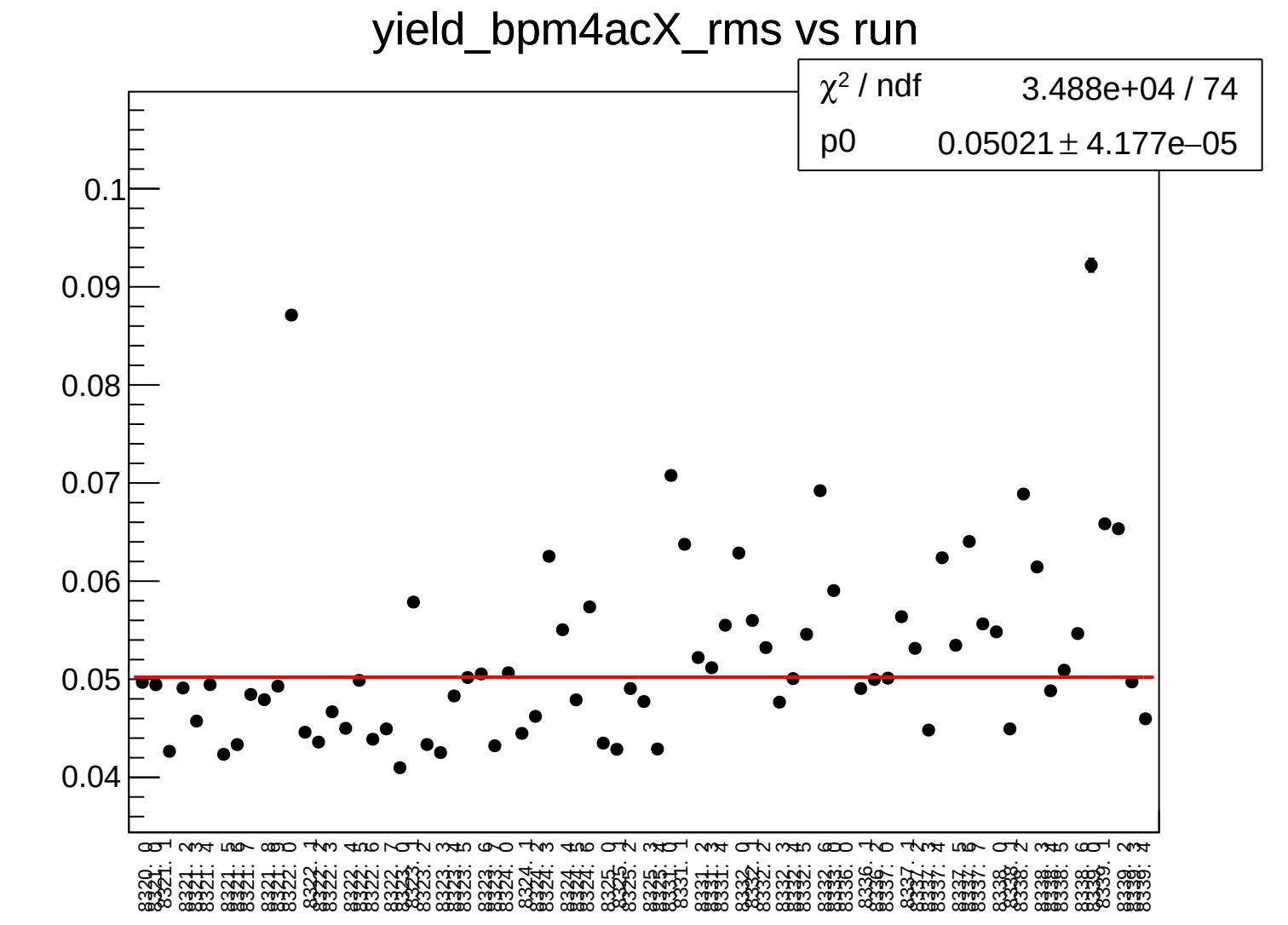

yield_bpm4eY_mean vs run
χ² / ndf 8.563e+04 / 74
p0 0.1347 ± 1.955e−05
0.15
0.14
0.13
0.12
0.11
0.1
pull
Entries 75
Mean −202.9
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

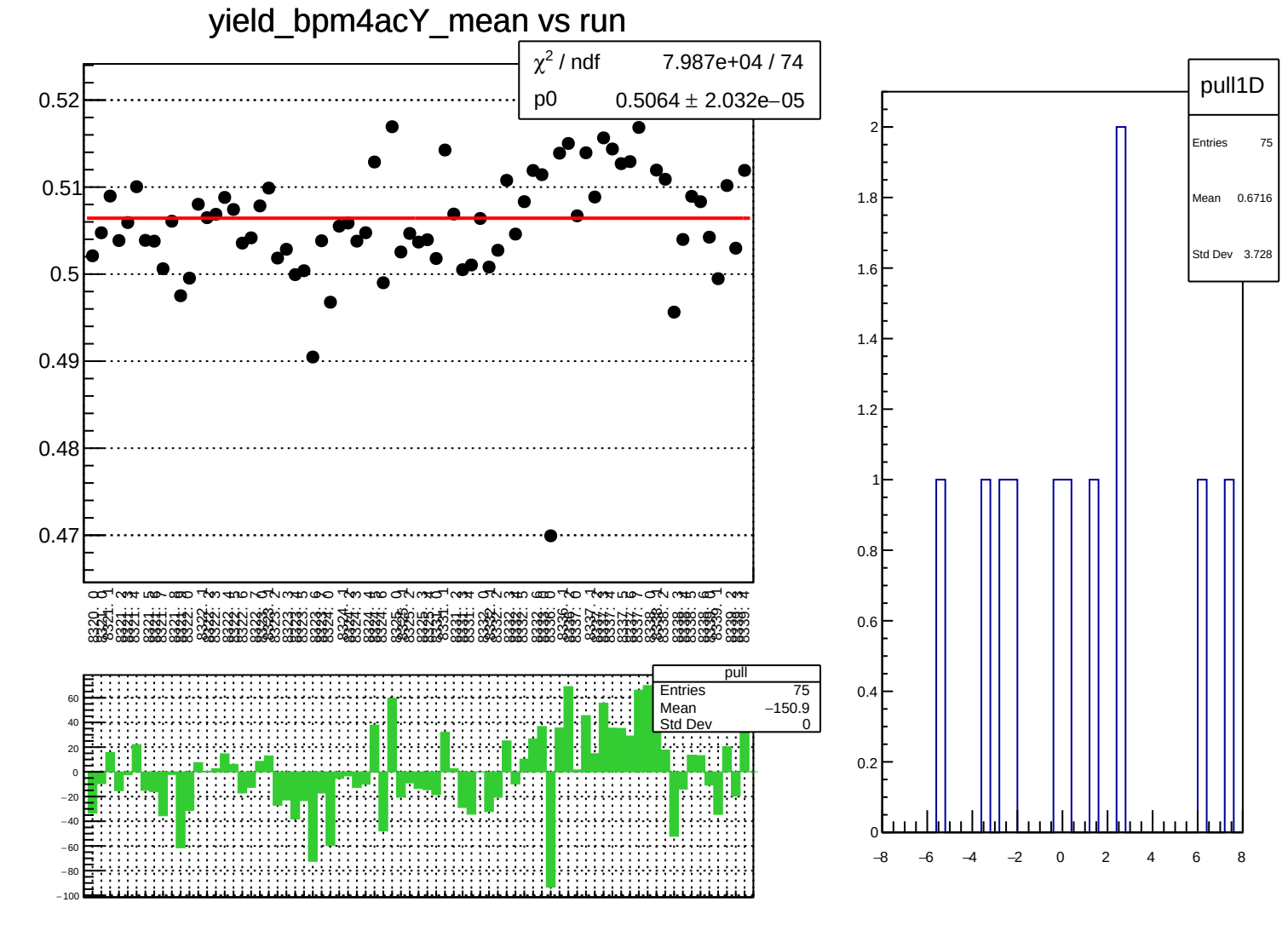

pull1D
Entries 75
Mean −1.273
Std Dev 4.426
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

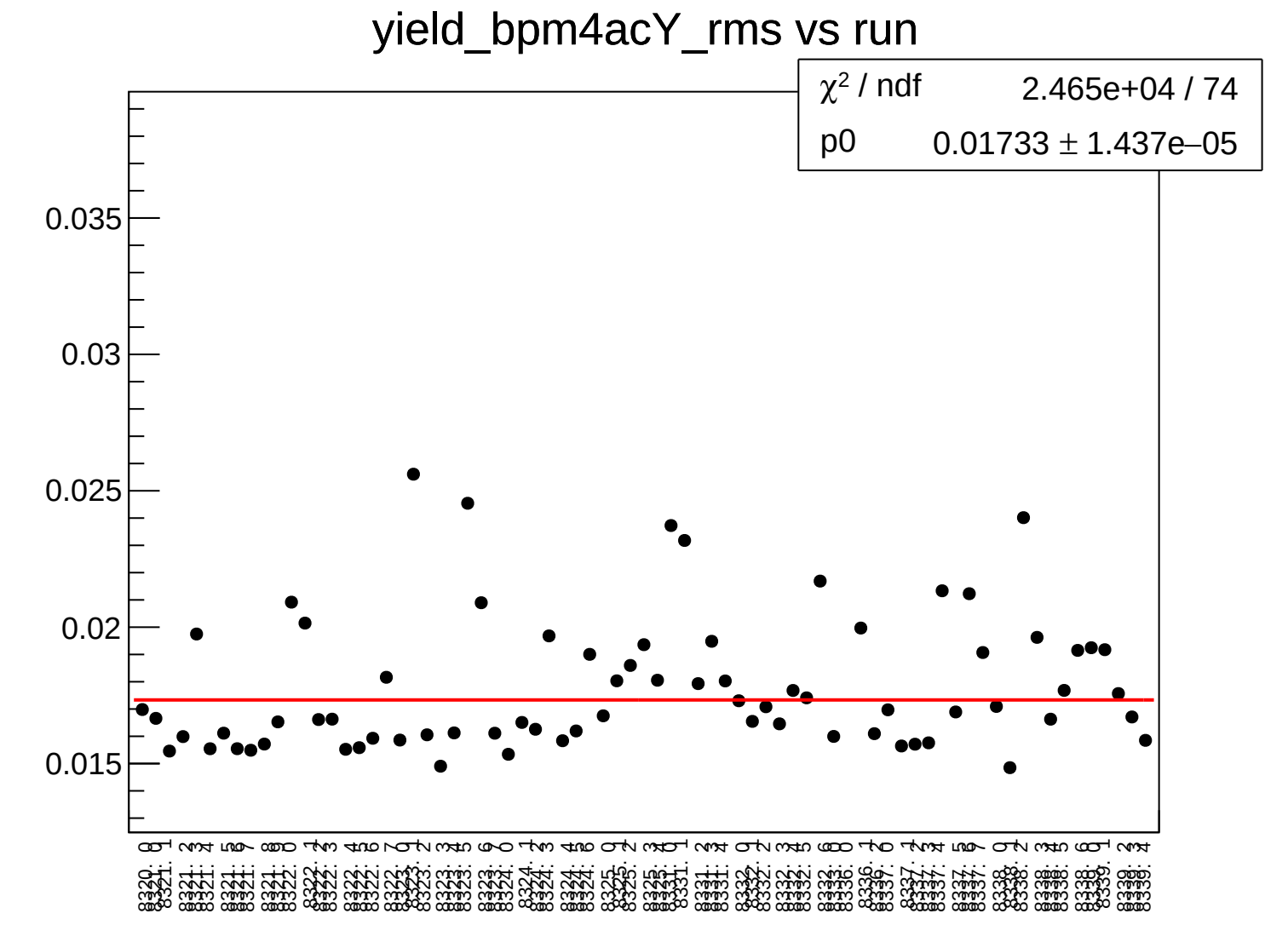

yield_bpm4eY_rms vs run
χ² / ndf 2.853e+04 / 74
p0 0.01666 ± 1.383e−05
0.04
0.035
0.03
0.025
0.02
0.015

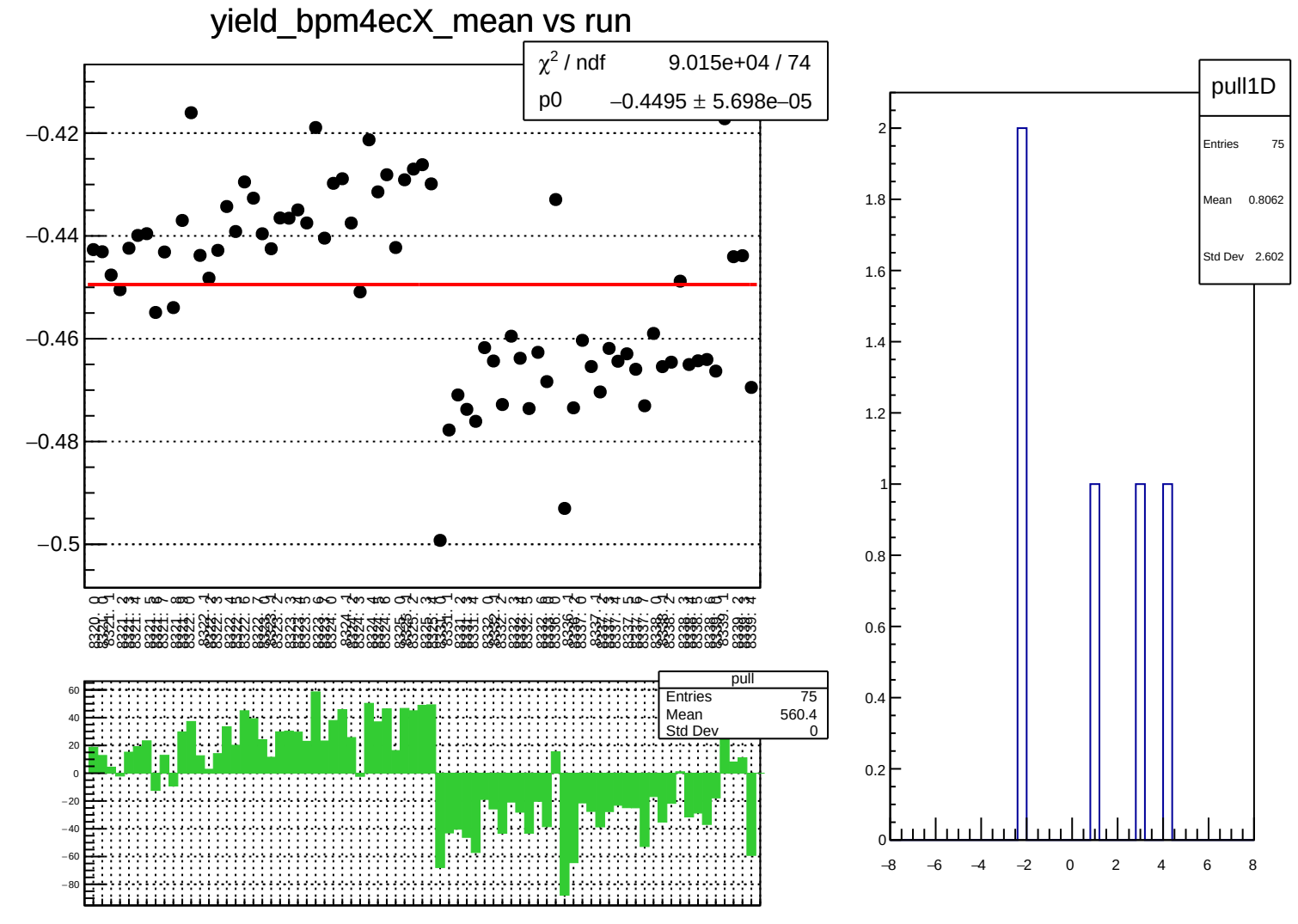

yield_bpm4acX_mean vs run
χ² / ndf 8.053e+04 / 74
p0 −1.184 ± 5.907e−05
−1.16
−1.18
−1.2
−1.22
−1.24
pull
Entries 75
Mean 543
Std Dev 0
40
20
0
−20
−40
−60
−80

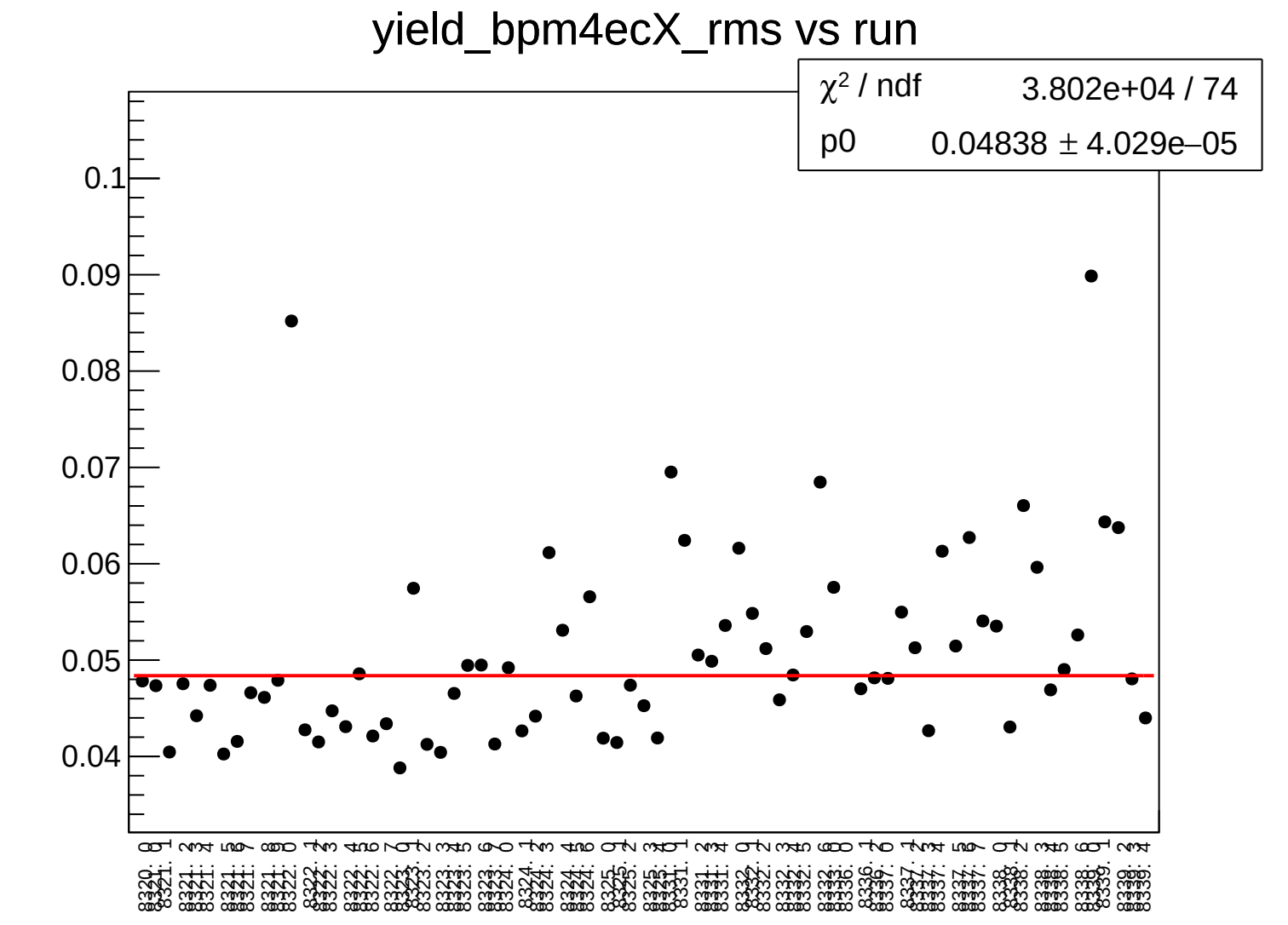

pull1D
Entries 75
Mean 0.771
Std Dev 5.707
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

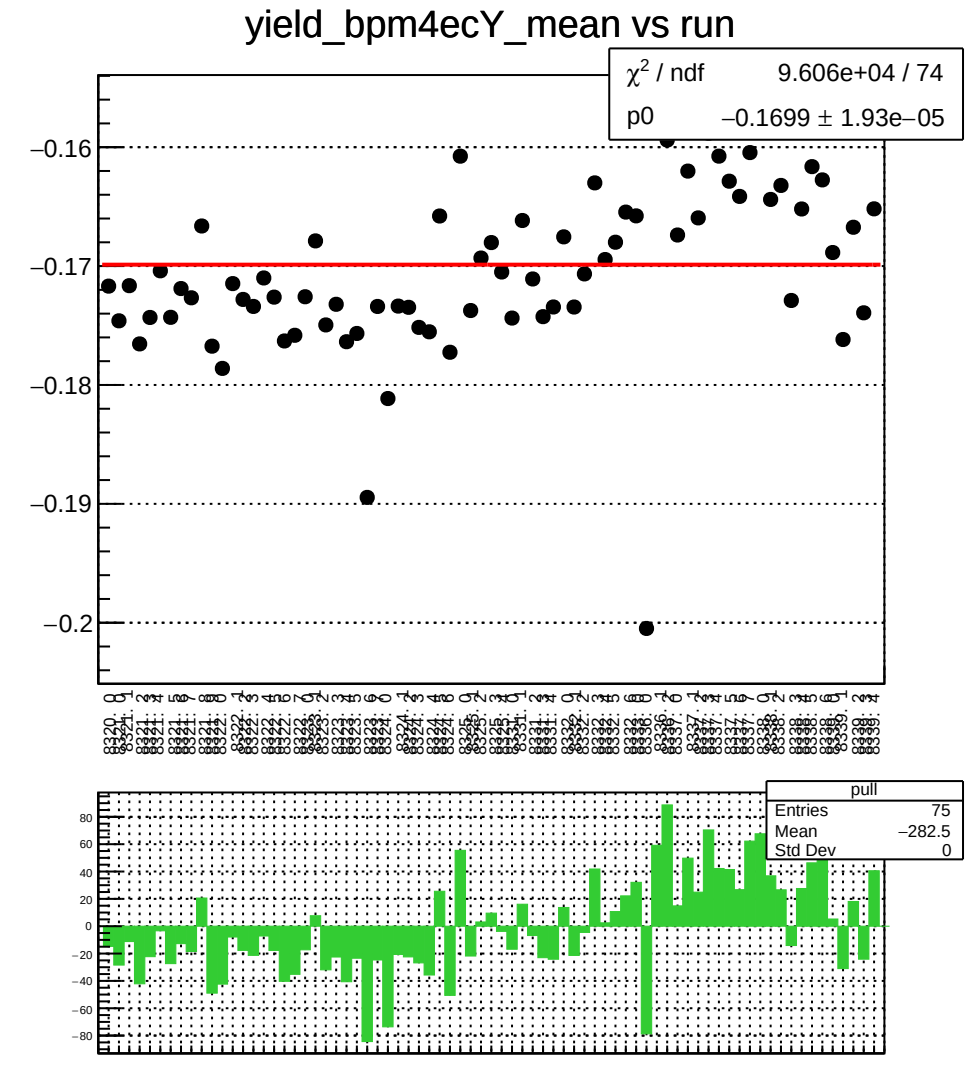

yield_bpm4acX_rms vs run
χ^2 / ndf 3.488e+04 / 74
p0 0.05021 ± 4.177e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

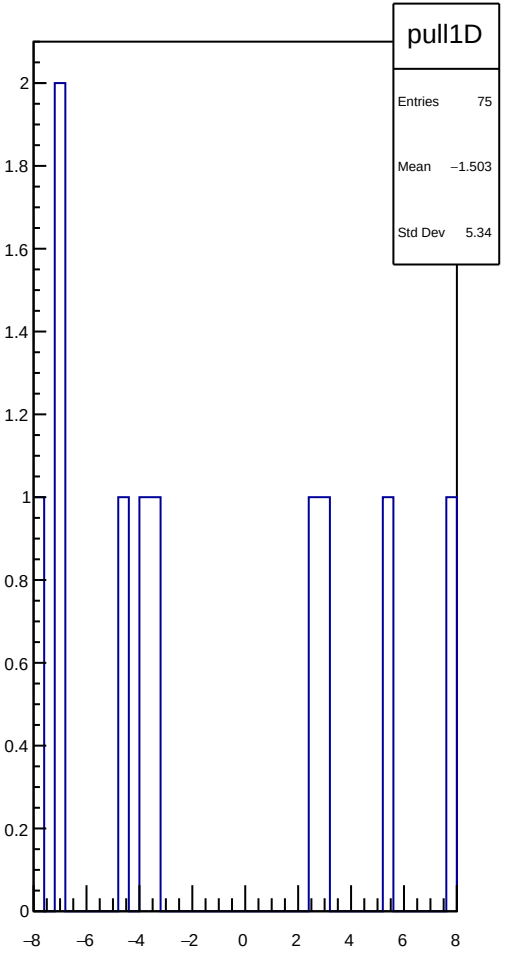

yield_bpm4acY_mean vs run
χ² / ndf 7.987e+04 / 74
p0 0.5064 ± 2.032e−05
0.52
0.51
0.5
0.49
0.48
0.47
pull
Entries 75
Mean −150.9
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 75
Mean 0.6716
Std Dev 3.728
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

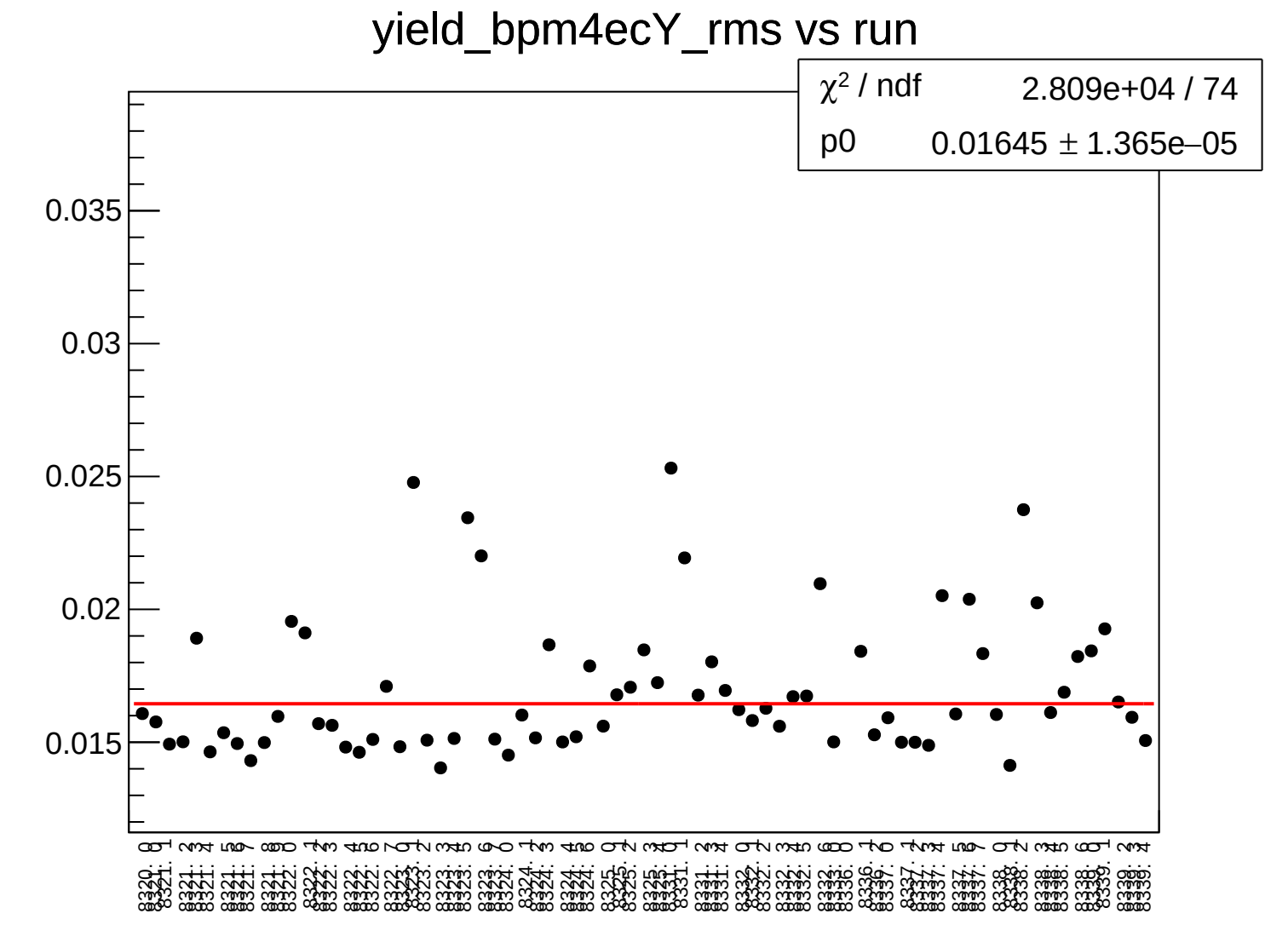

yield_bpm4acY_rms vs run
χ² / ndf 2.465e+04 / 74
p0 0.01733 ± 1.437e–05
0.035
0.03
0.025
0.02
0.015

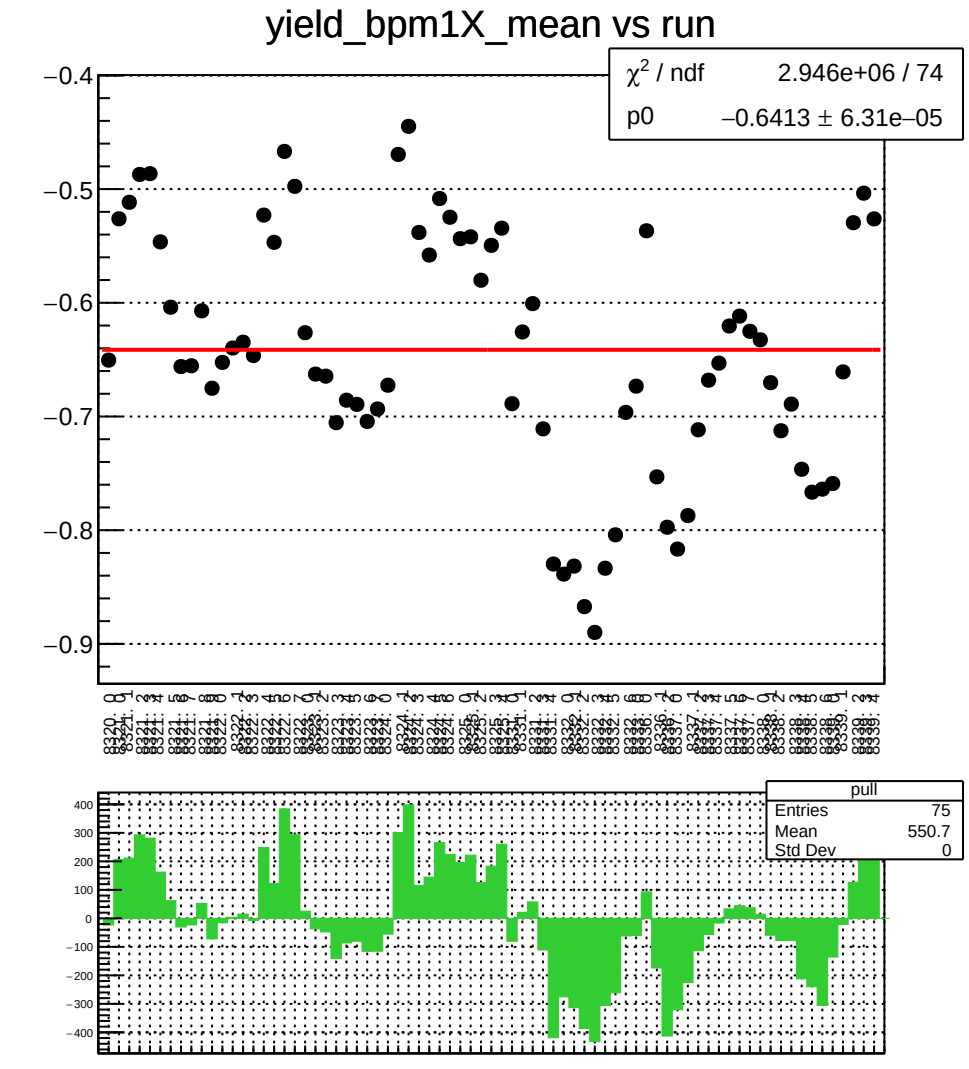

yield_bpm4ecX_mean vs run
χ² / ndf 9.015e+04 / 74
p0 −0.4495 ± 5.698e−05
−0.42
−0.44
−0.46
−0.48
−0.5
pull
Entries 75
Mean 560.4
Std Dev 0
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 75
Mean 0.8062
Std Dev 2.602
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

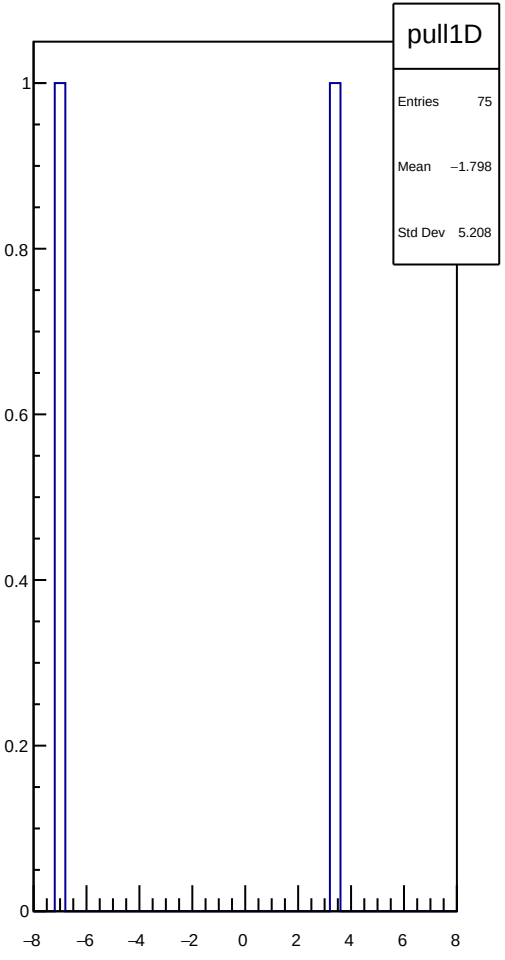

yield_bpm4ecX_rms vs run
χ² / ndf 3.802e+04 / 74
p0 0.04838 ± 4.029e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

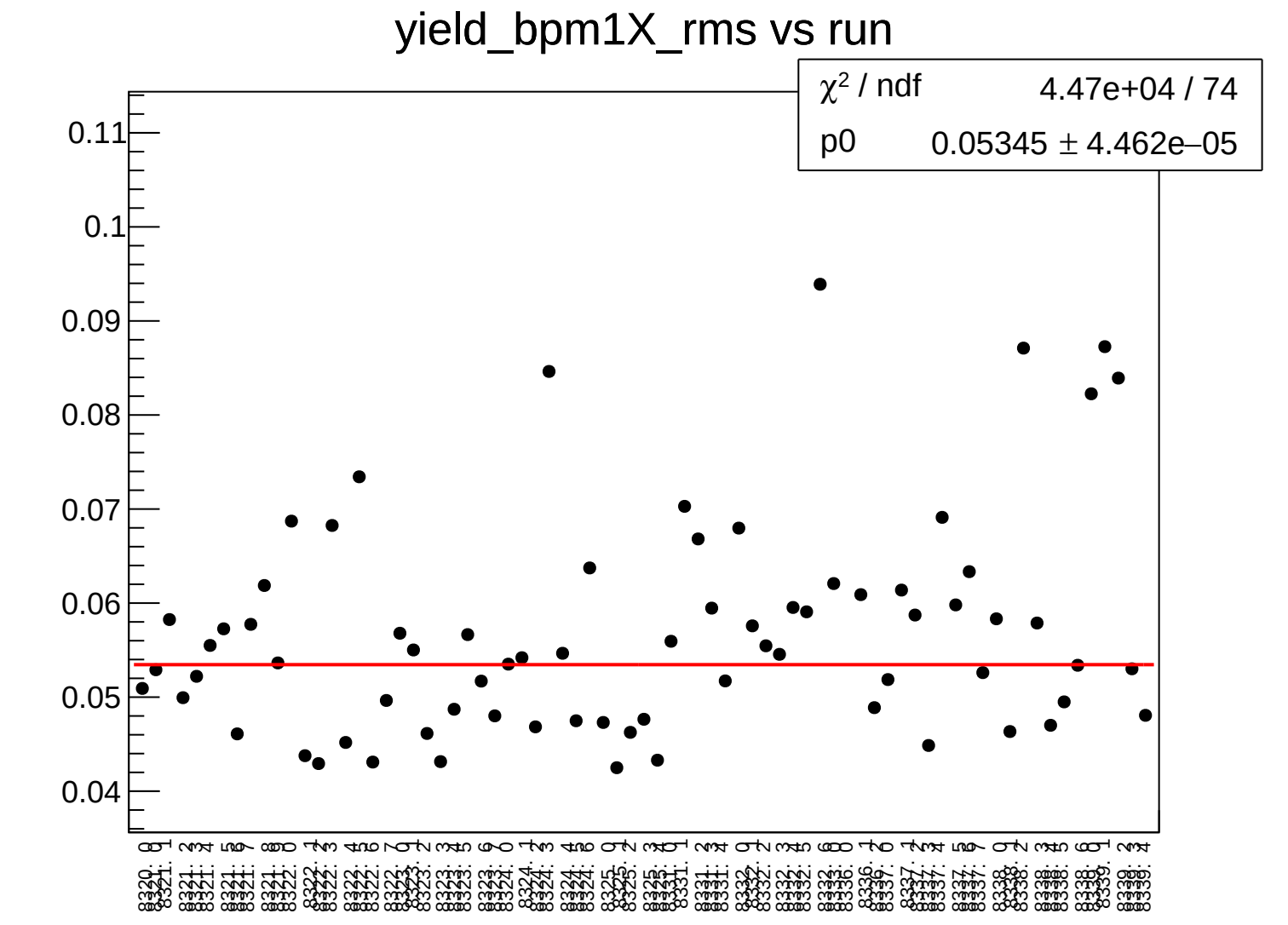

yield_bpm4ecY_mean vs run
χ² / ndf 9.606e+04 / 74
p0 −0.1699 ± 1.93e−05
−0.16
−0.17
−0.18
−0.19
−0.2
pull
Entries 75
Mean −282.5
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

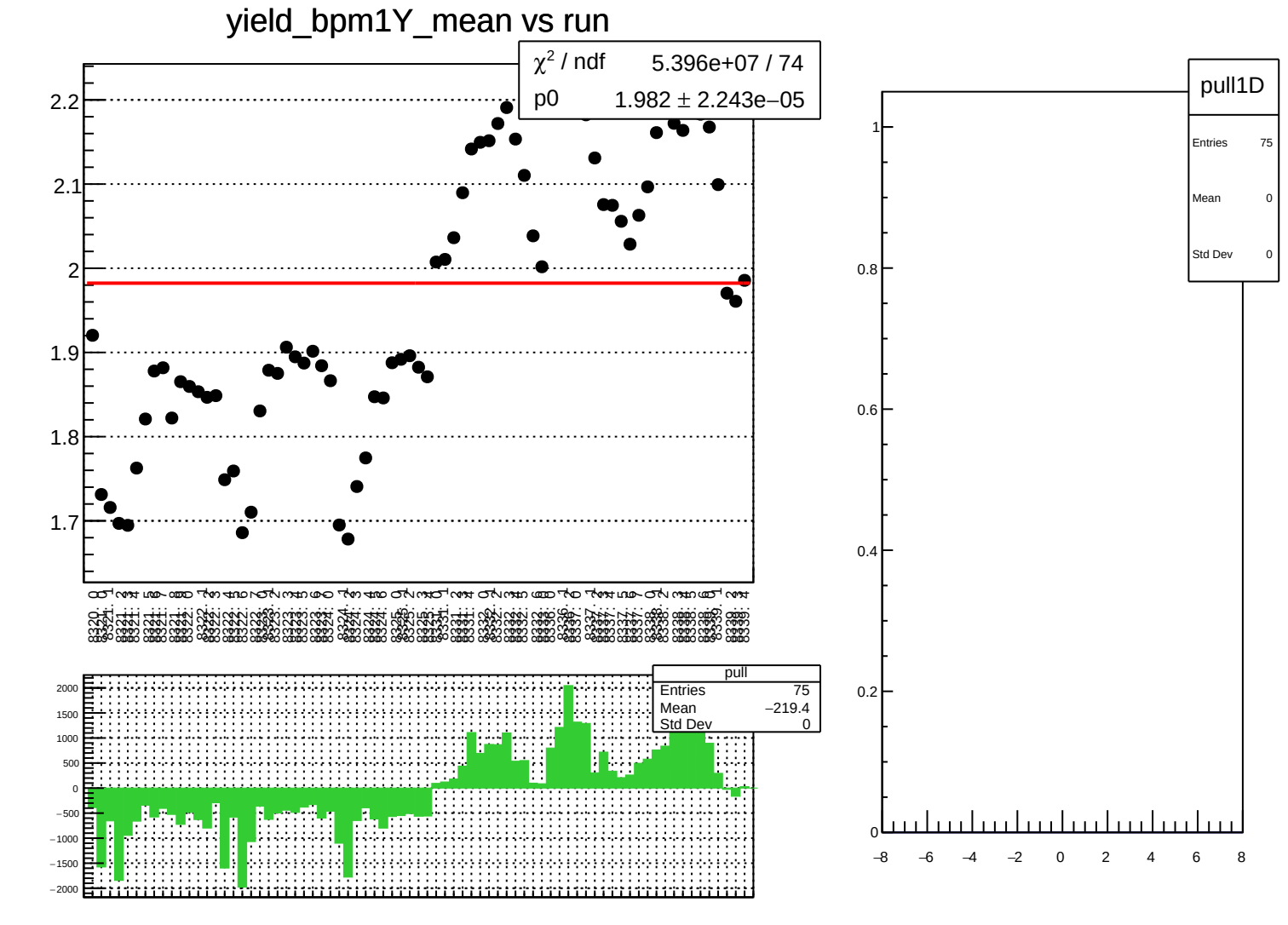

pull1D
Entries 75
Mean −1.503
Std Dev 5.34
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

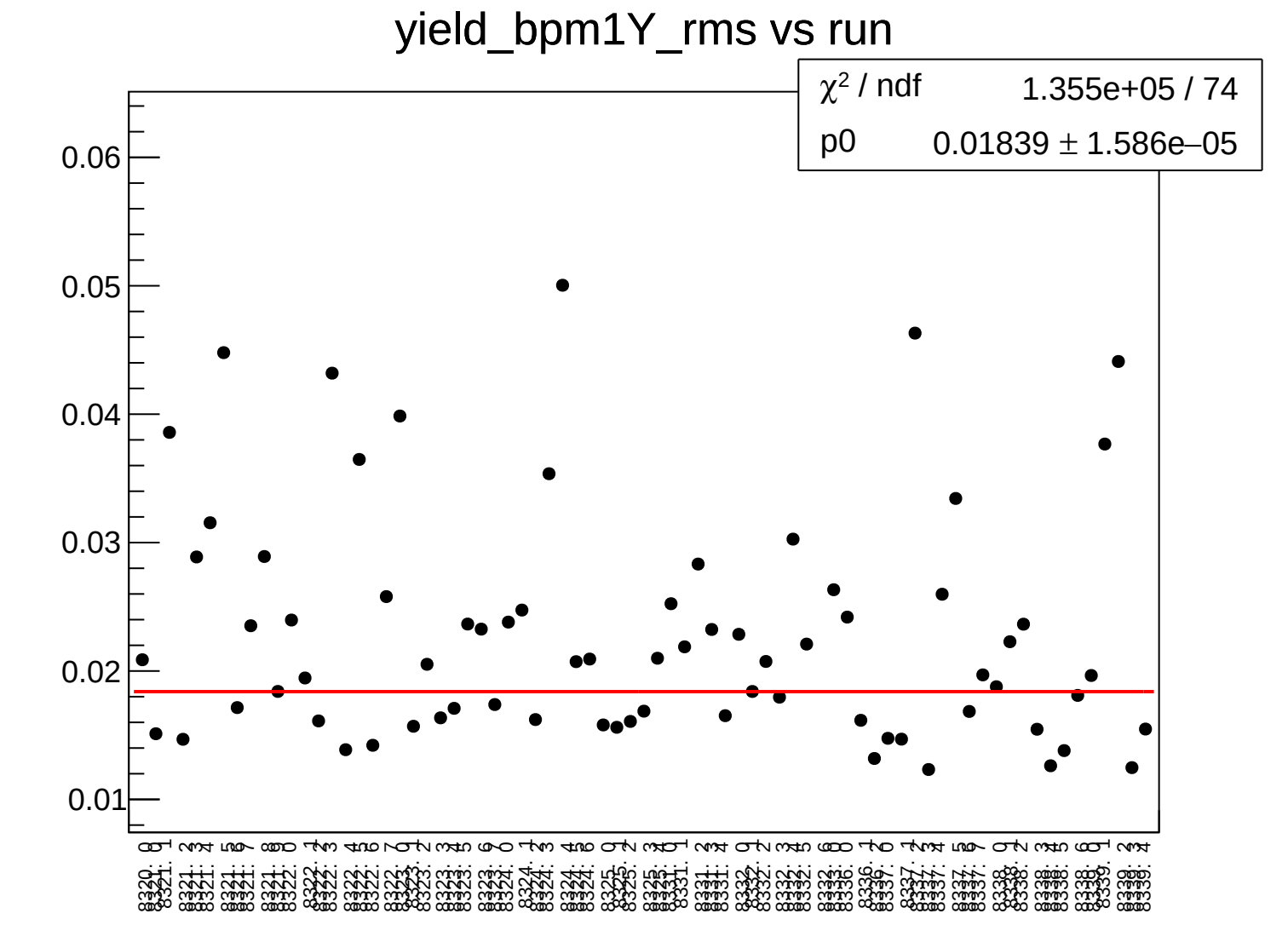

yield_bpm4ecY_rms vs run
χ² / ndf 2.809e+04 / 74
p0 0.01645 ± 1.365e−05
0.035
0.03
0.025
0.02
0.015

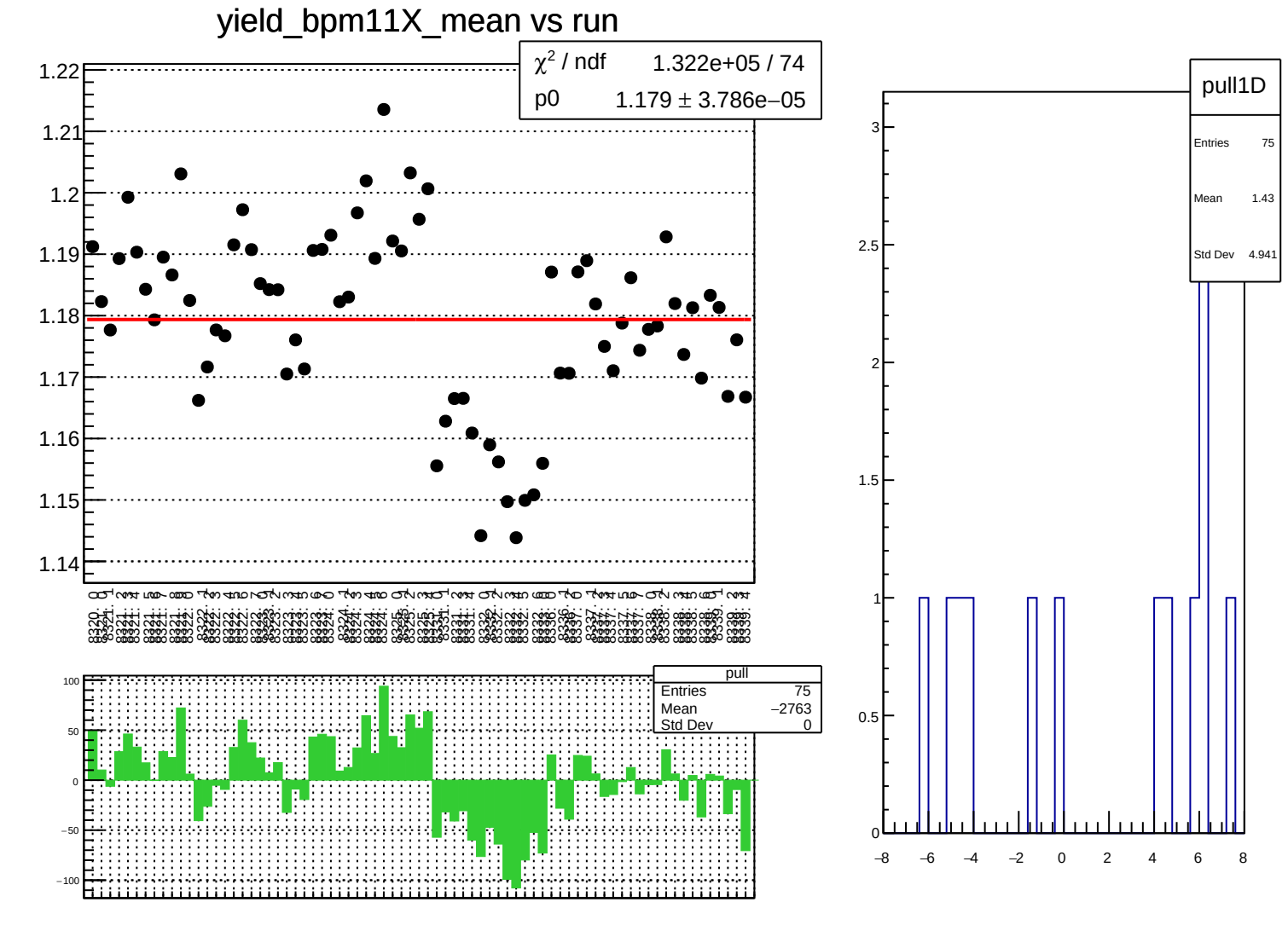

yield_bpm1X_mean vs run
χ² / ndf 2.946e+06 / 74
p0 −0.6413 ± 6.31e−05
pull
Entries 75
Mean 550.7
Std Dev 0

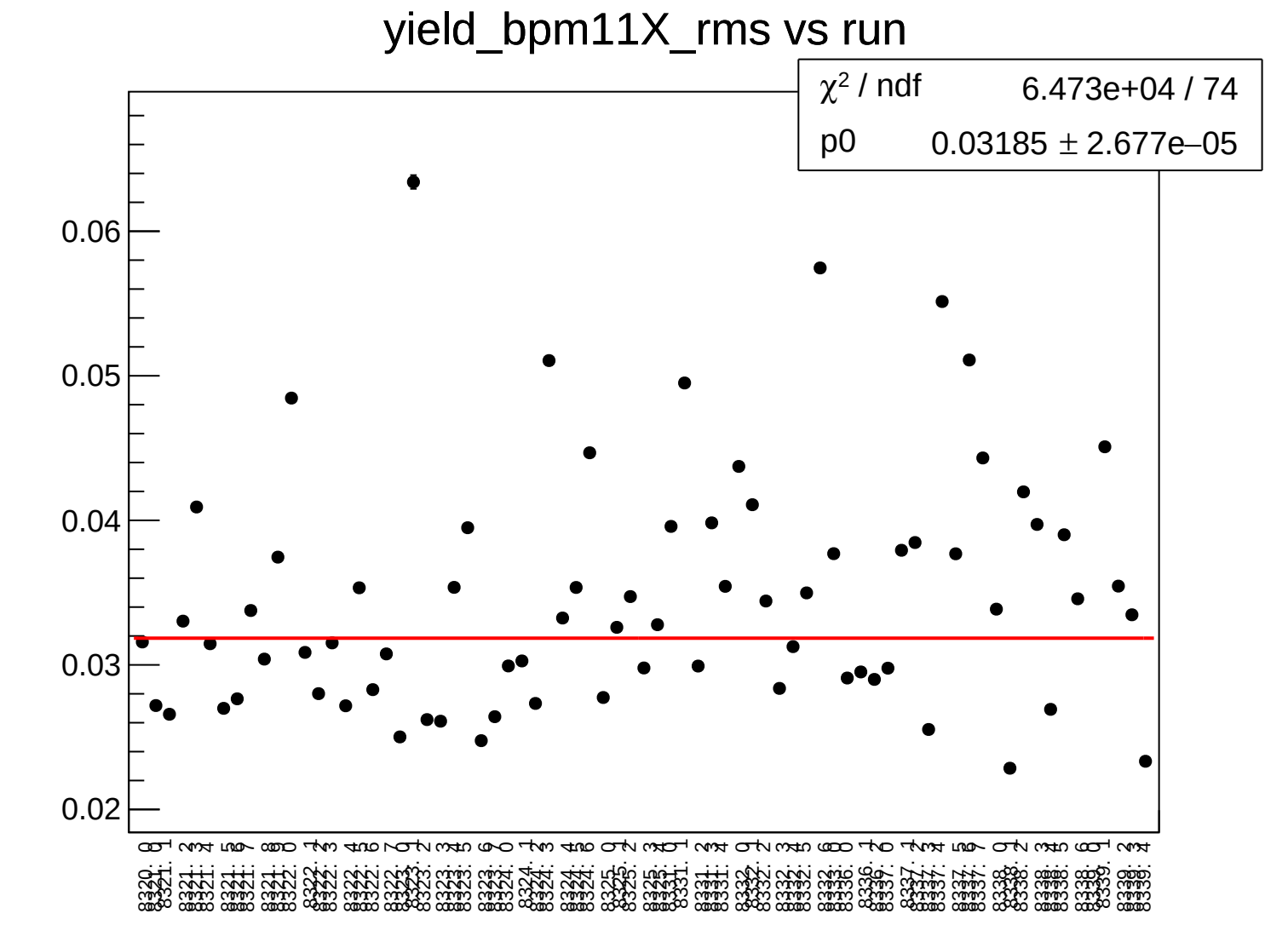

pull1D
Entries 75
Mean −1.798
Std Dev 5.208

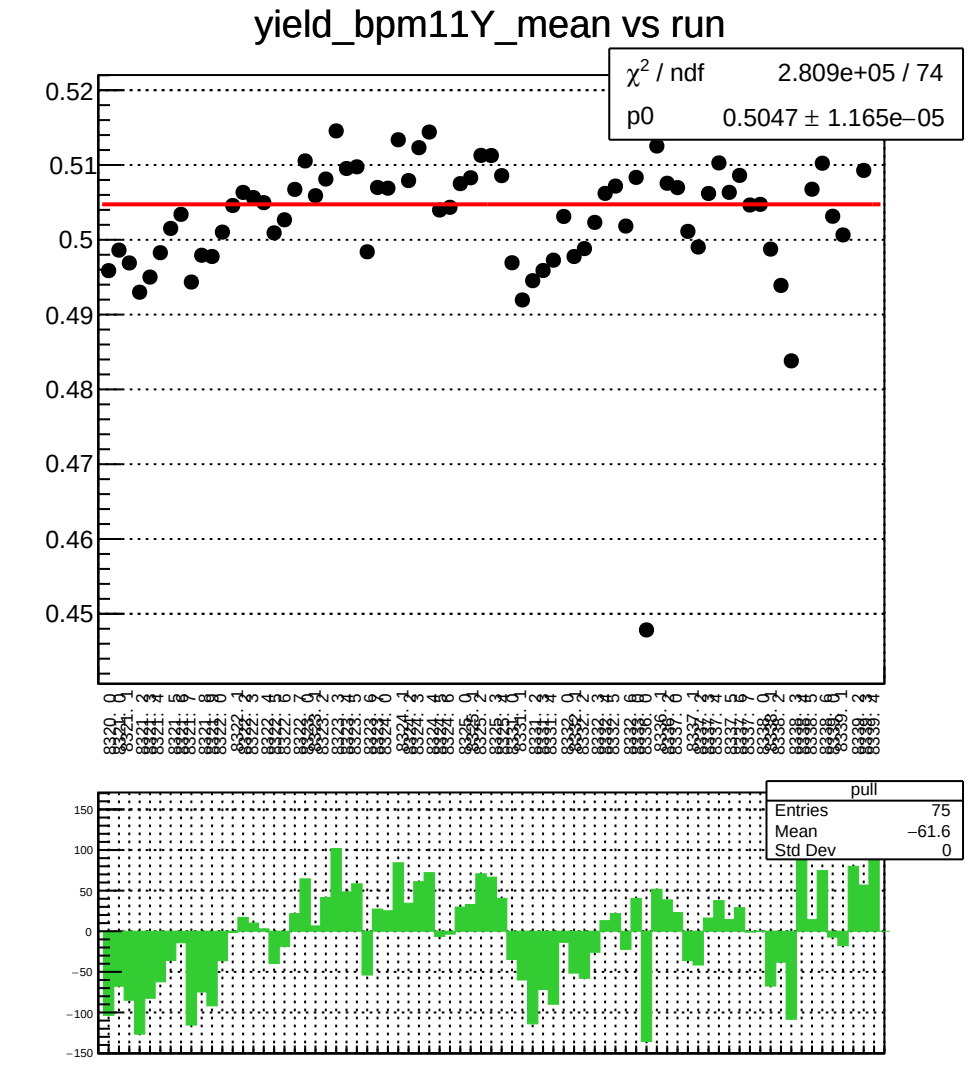

yield_bpm1X_rms vs run
χ² / ndf 4.47e+04 / 74
p0 0.05345 ± 4.462e–05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

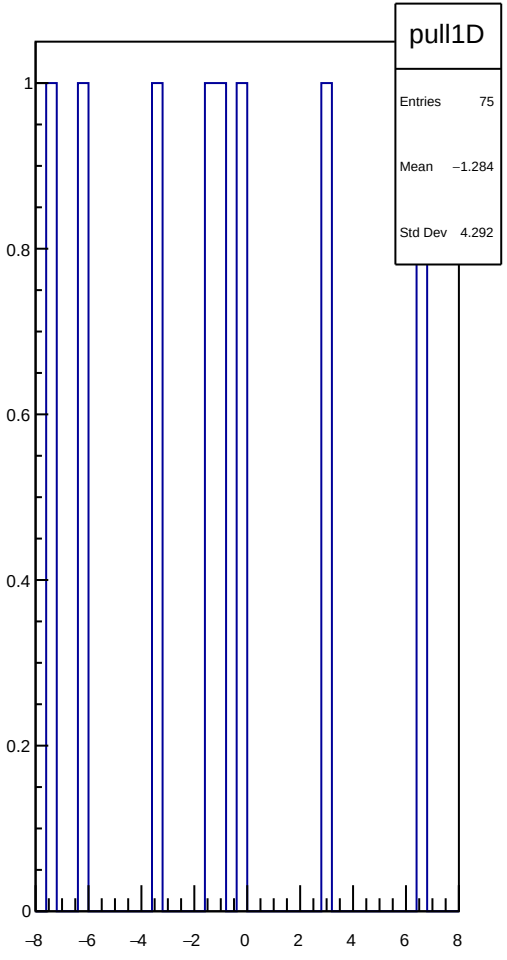

yield_bpm1Y_mean vs run
χ² / ndf 5.396e+07 / 74
p0 1.982 ± 2.243e−05
pull
Entries 75
Mean −219.4
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0

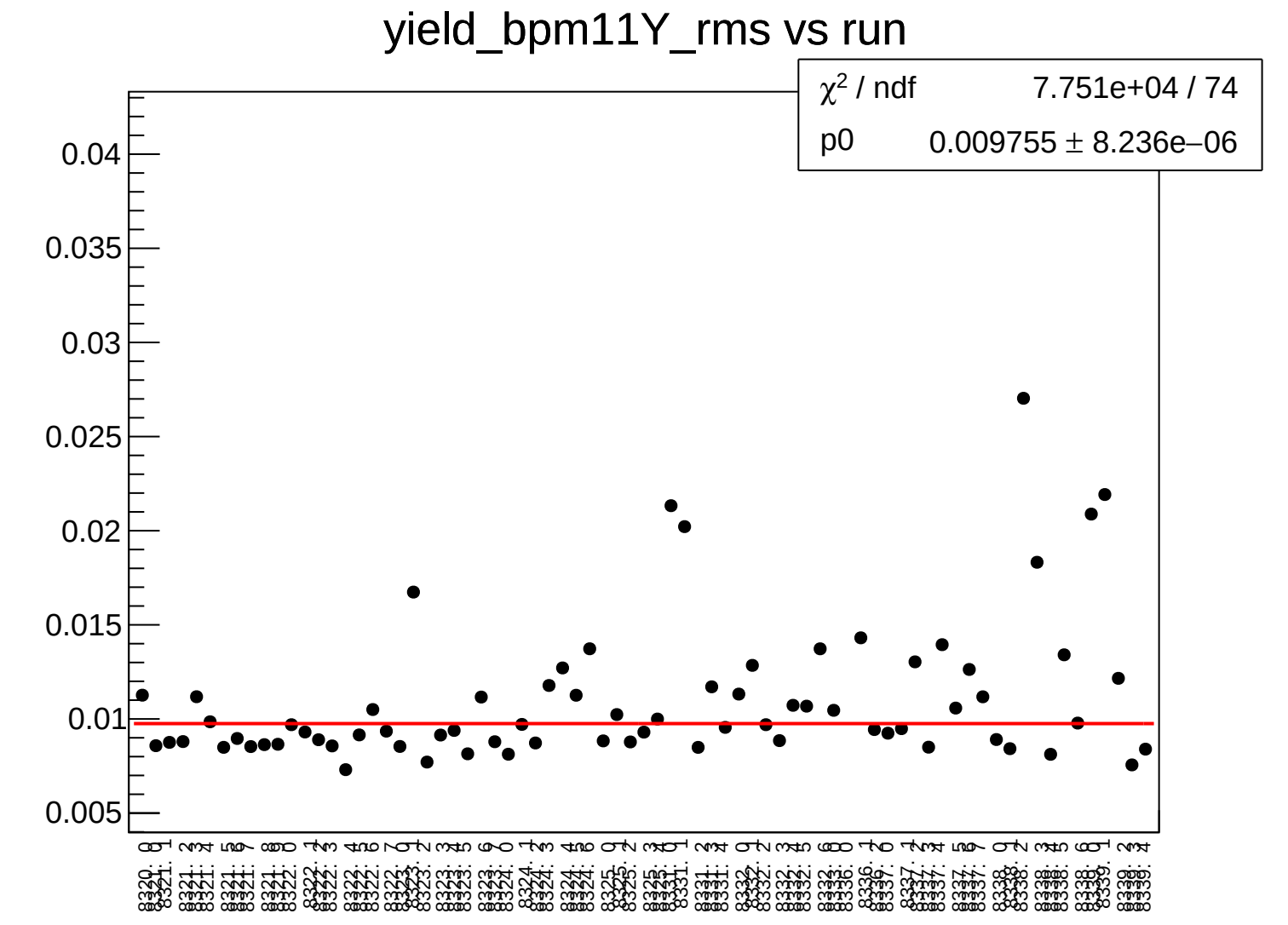

yield_bpm1Y_rms vs run
χ² / ndf 1.355e+05 / 74
p0 0.01839 ± 1.586e−05
0.06
0.05
0.04
0.03
0.02
0.01

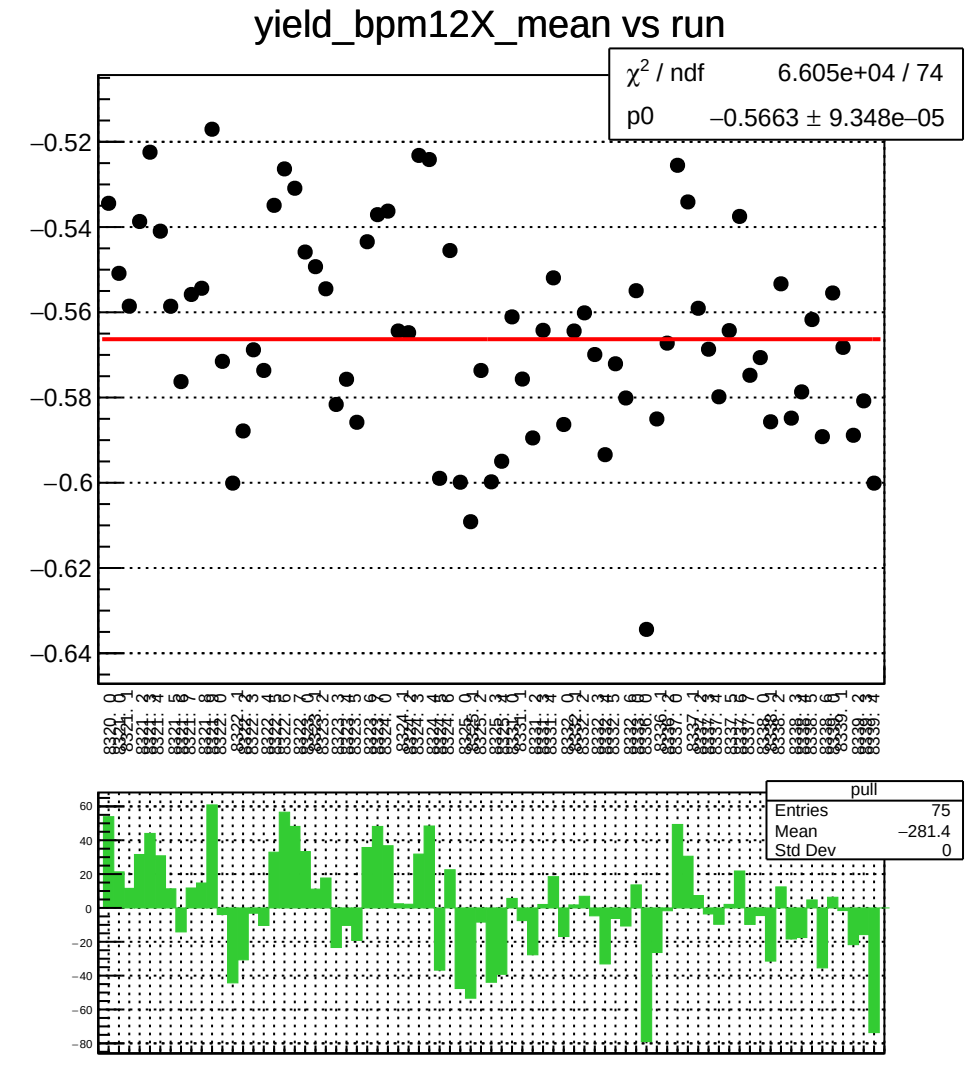

yield_bpm11X_mean vs run
χ² / ndf 1.322e+05 / 74
p0 1.179 ± 3.786e−05
pull
Entries 75
Mean −2763
Std Dev 0
pull1D
Entries 75
Mean 1.43
Std Dev 4.941

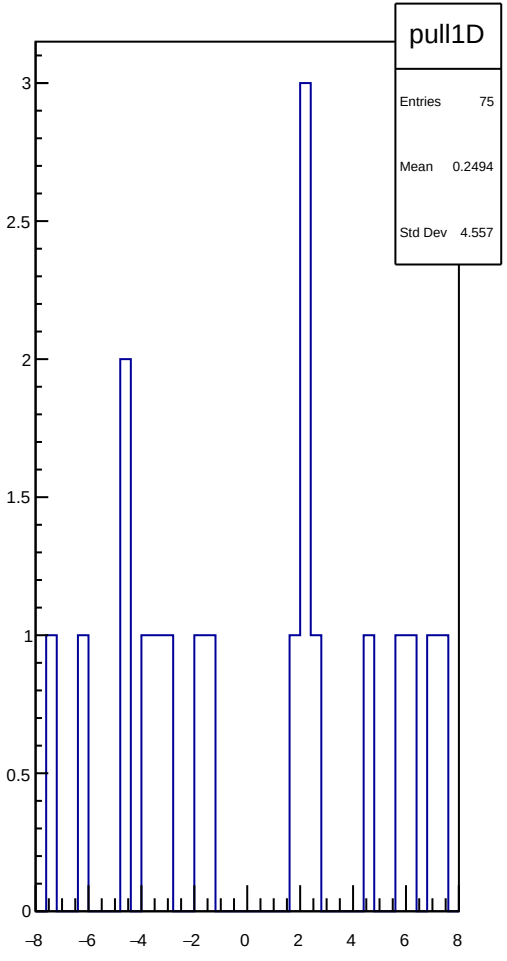

yield_bpm11X_rms vs run
χ² / ndf 6.473e+04 / 74
p0 0.03185 ± 2.677e–05
0.06
0.05
0.04
0.03
0.02

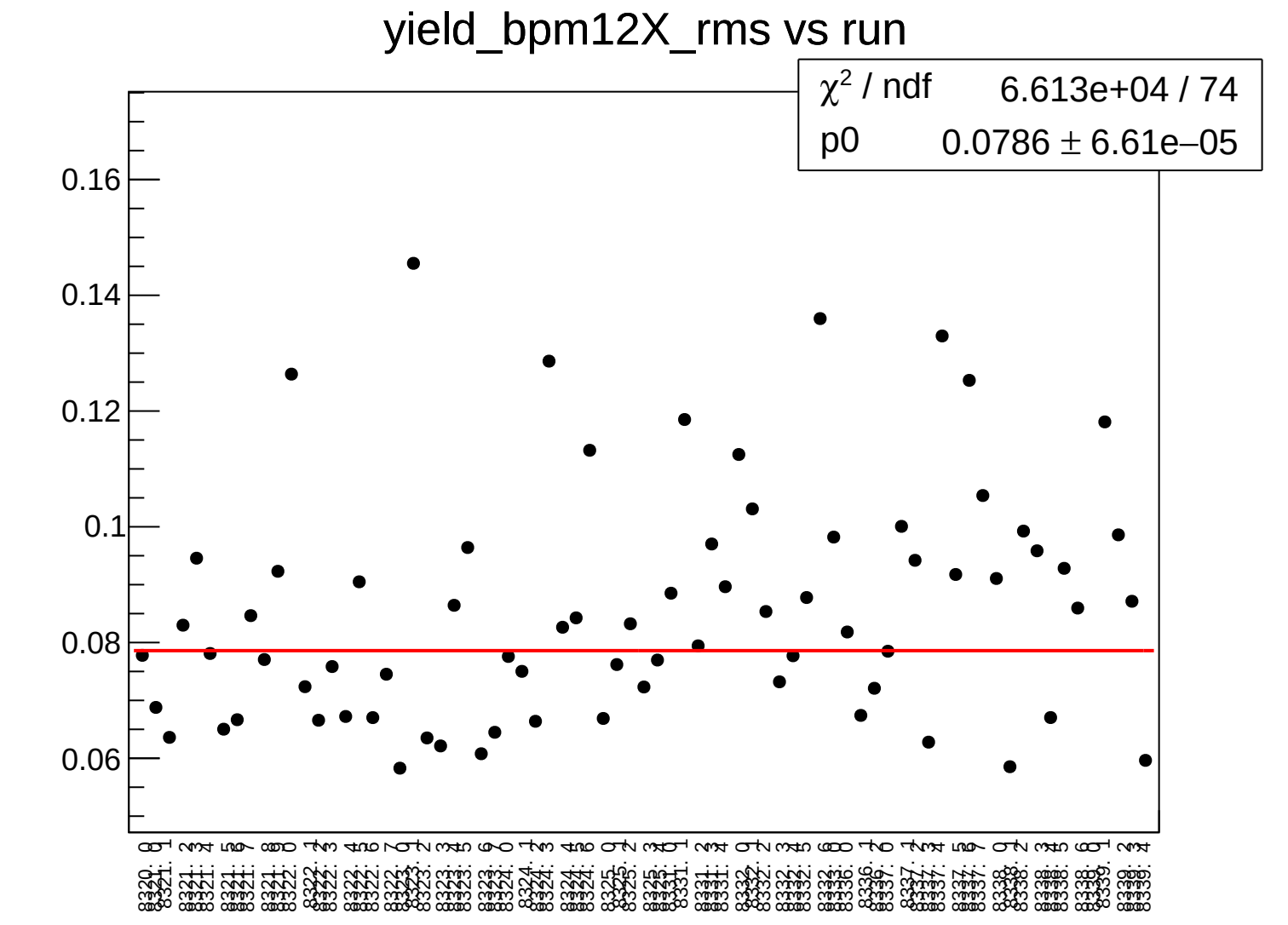

yield_bpm11Y_mean vs run
χ² / ndf 2.809e+05 / 74
p0 0.5047 ± 1.165e−05
0.52
0.51
0.5
0.49
0.48
0.47
0.46
0.45
pull
Entries 75
Mean −61.6
Std Dev 0
150
100
50
0
−50
−100
−150

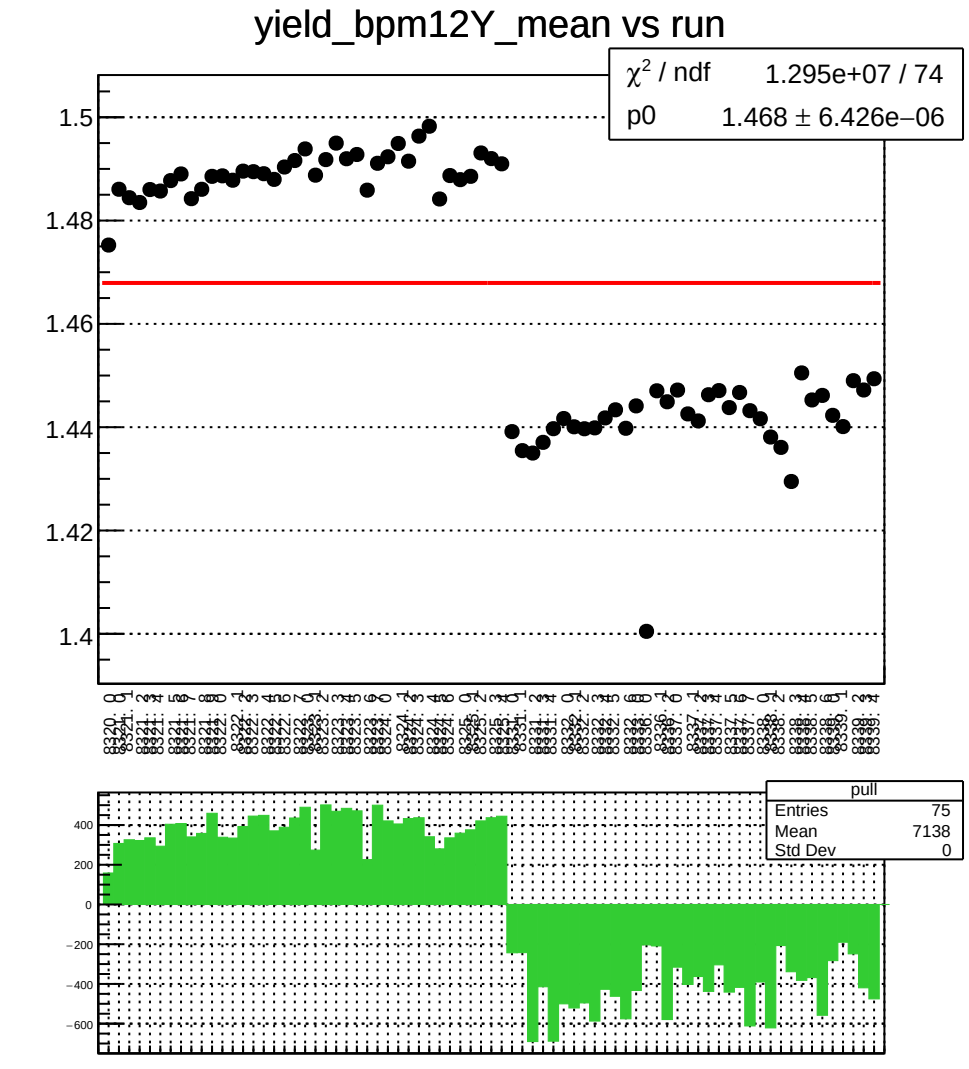

pull1D
Entries 75
Mean −1.284
Std Dev 4.292
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

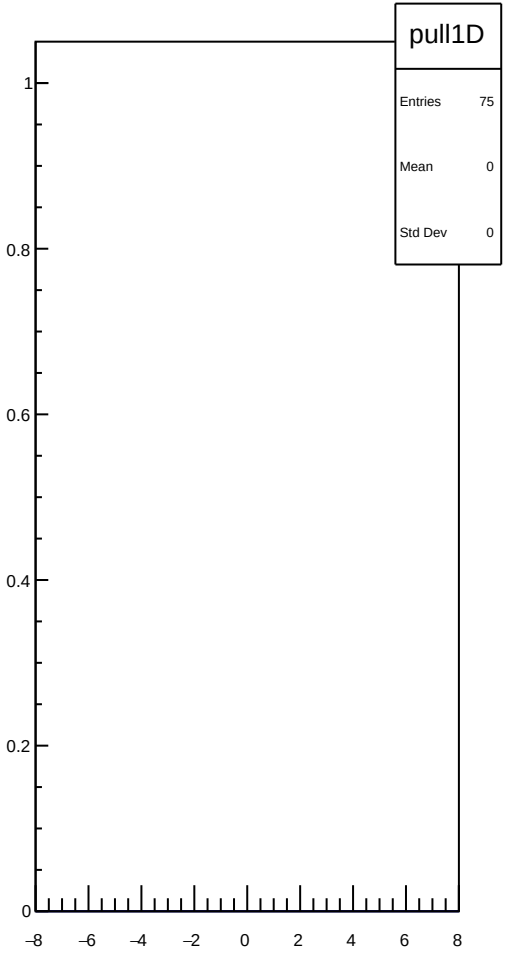

yield_bpm11Y_rms vs run
χ² / ndf 7.751e+04 / 74
p0 0.009755 ± 8.236e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

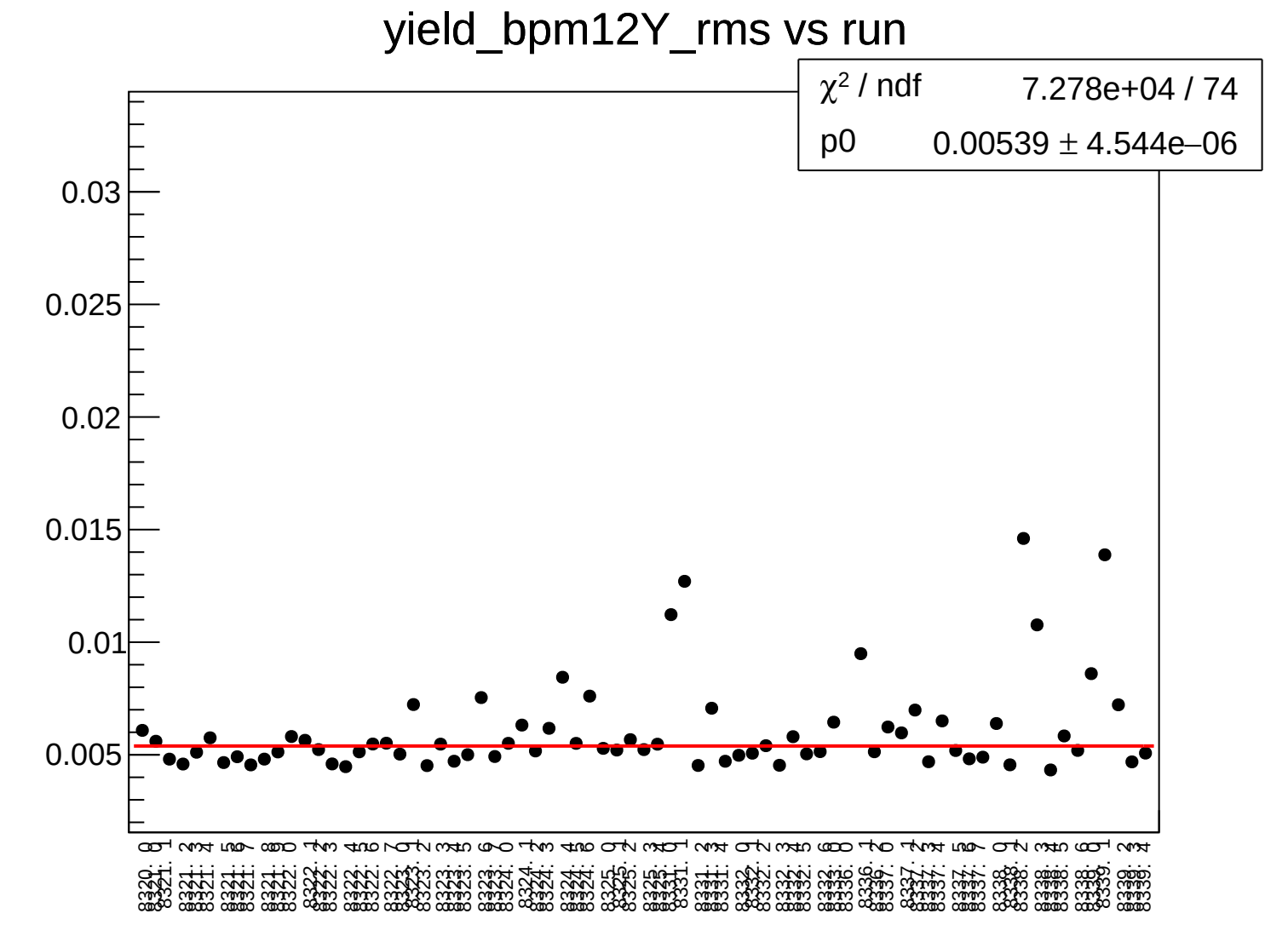

yield_bpm12X_mean vs run
χ² / ndf 6.605e+04 / 74
p0 −0.5663 ± 9.348e−05
−0.52
−0.54
−0.56
−0.58
−0.6
−0.62
−0.64
pull
Entries 75
Mean −281.4
Std Dev 0
60
40
20
0
−20
−40
−60
−80

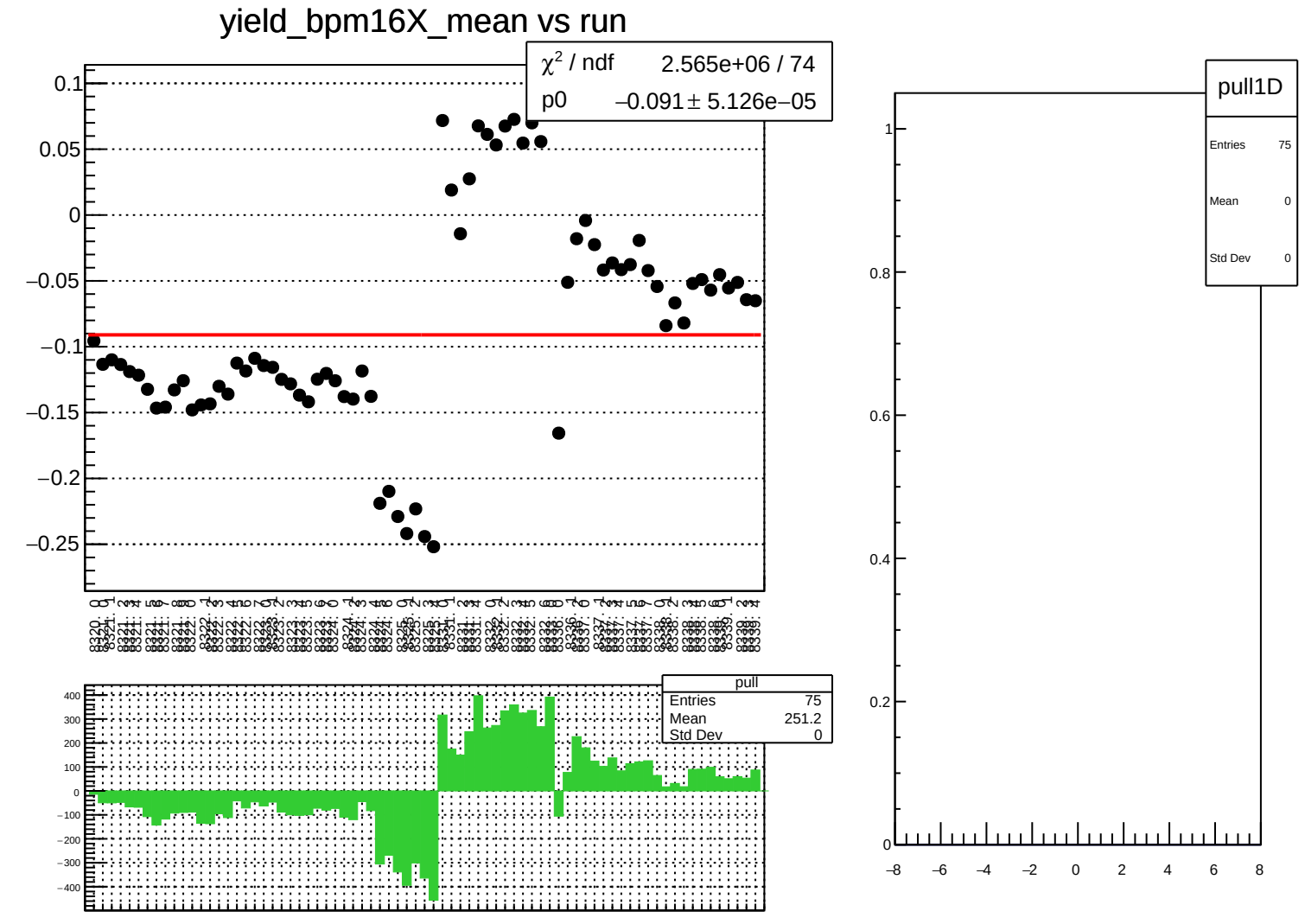

pull1D
Entries 75
Mean 0.2494
Std Dev 4.557
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

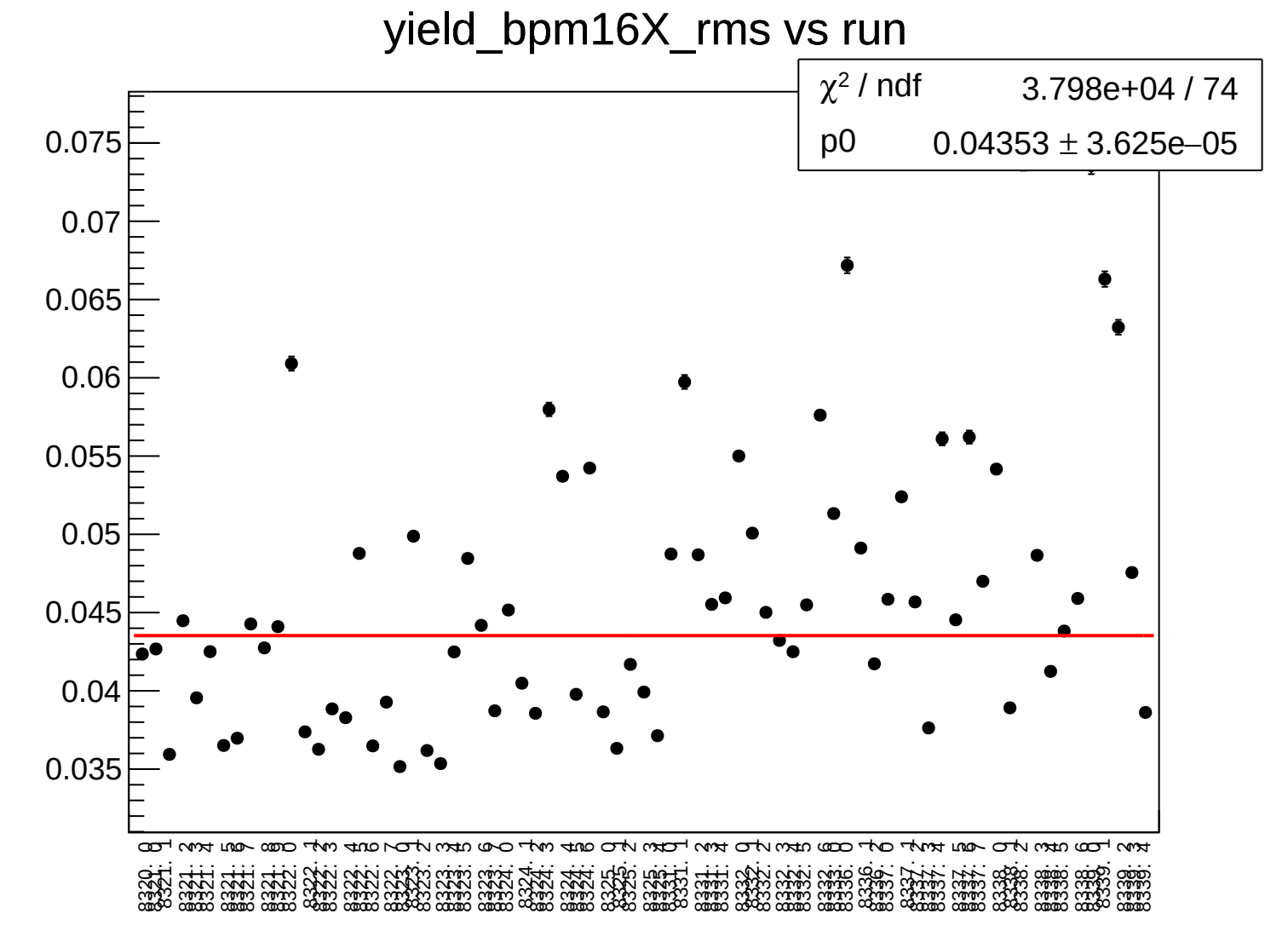

yield_bpm12X_rms vs run
χ² / ndf 6.613e+04 / 74
p0 0.0786 ± 6.61e−05
0.16
0.14
0.12
0.1
0.08
0.06

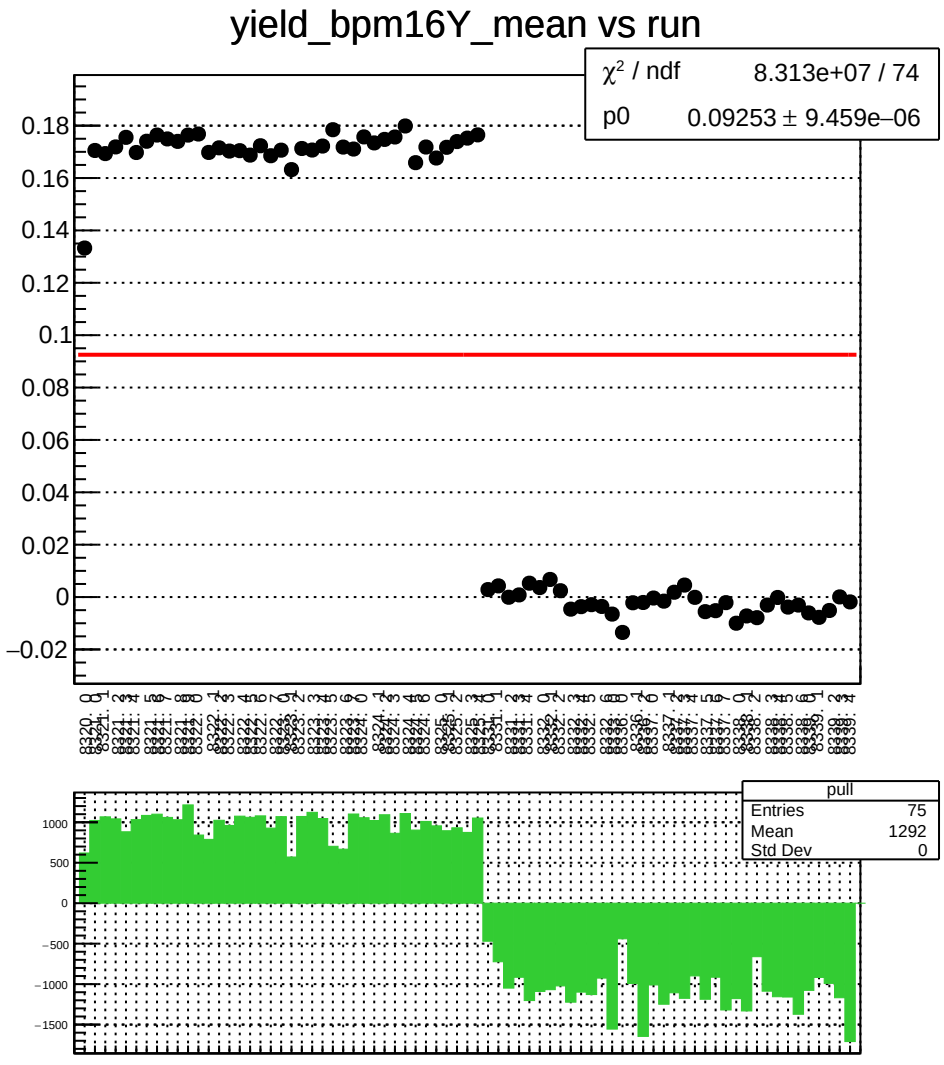

yield_bpm12Y_mean vs run
χ² / ndf 1.295e+07 / 74
p0 1.468 ± 6.426e−06
1.5
1.48
1.46
1.44
1.42
1.4
pull
Entries 75
Mean 7138
Std Dev 0
400
200
0
−200
−400
−600

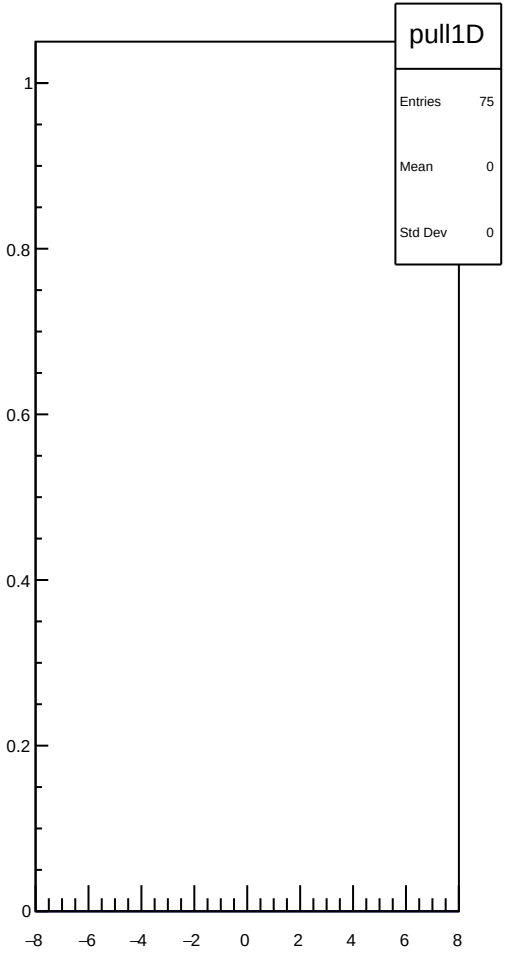

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

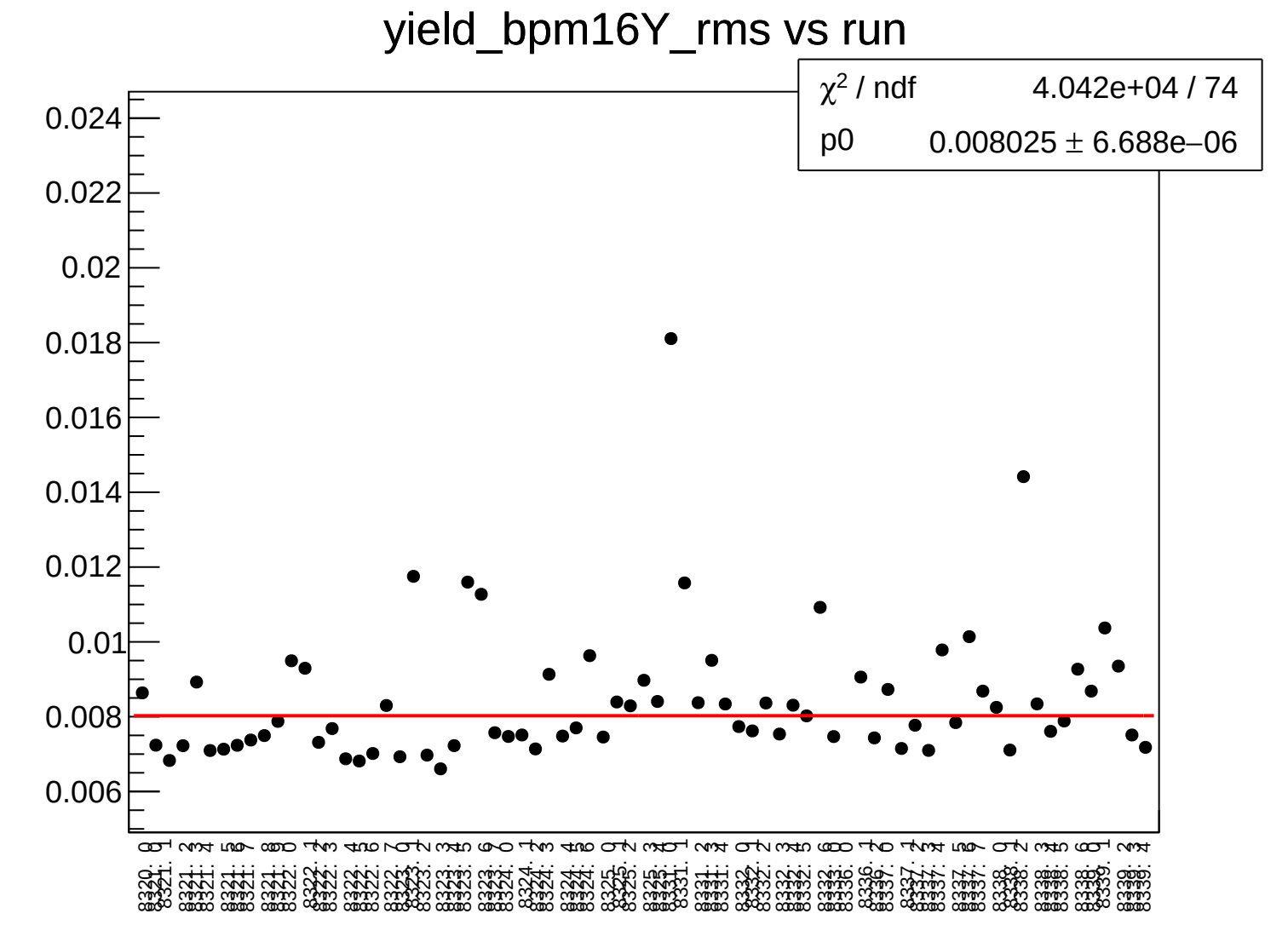

yield_bpm12Y_rms vs run
χ² / ndf 7.278e+04 / 74
p0 0.00539 ± 4.544e−06
0.03
0.025
0.02
0.015
0.01
0.005

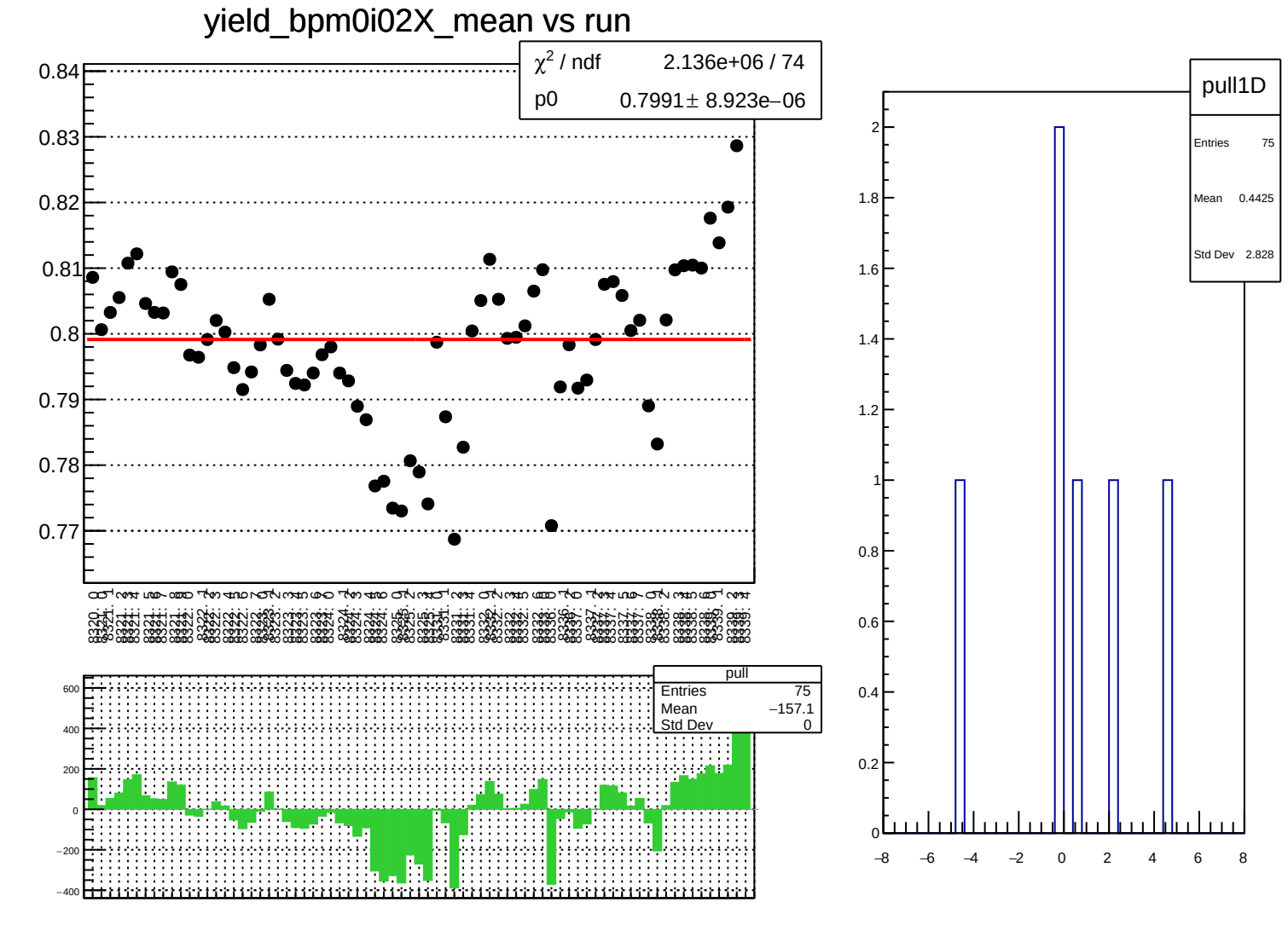

yield_bpm16X_mean vs run
χ² / ndf 2.565e+06 / 74
p0 −0.091 ± 5.126e−05
pull
Entries 75
Mean 251.2
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0

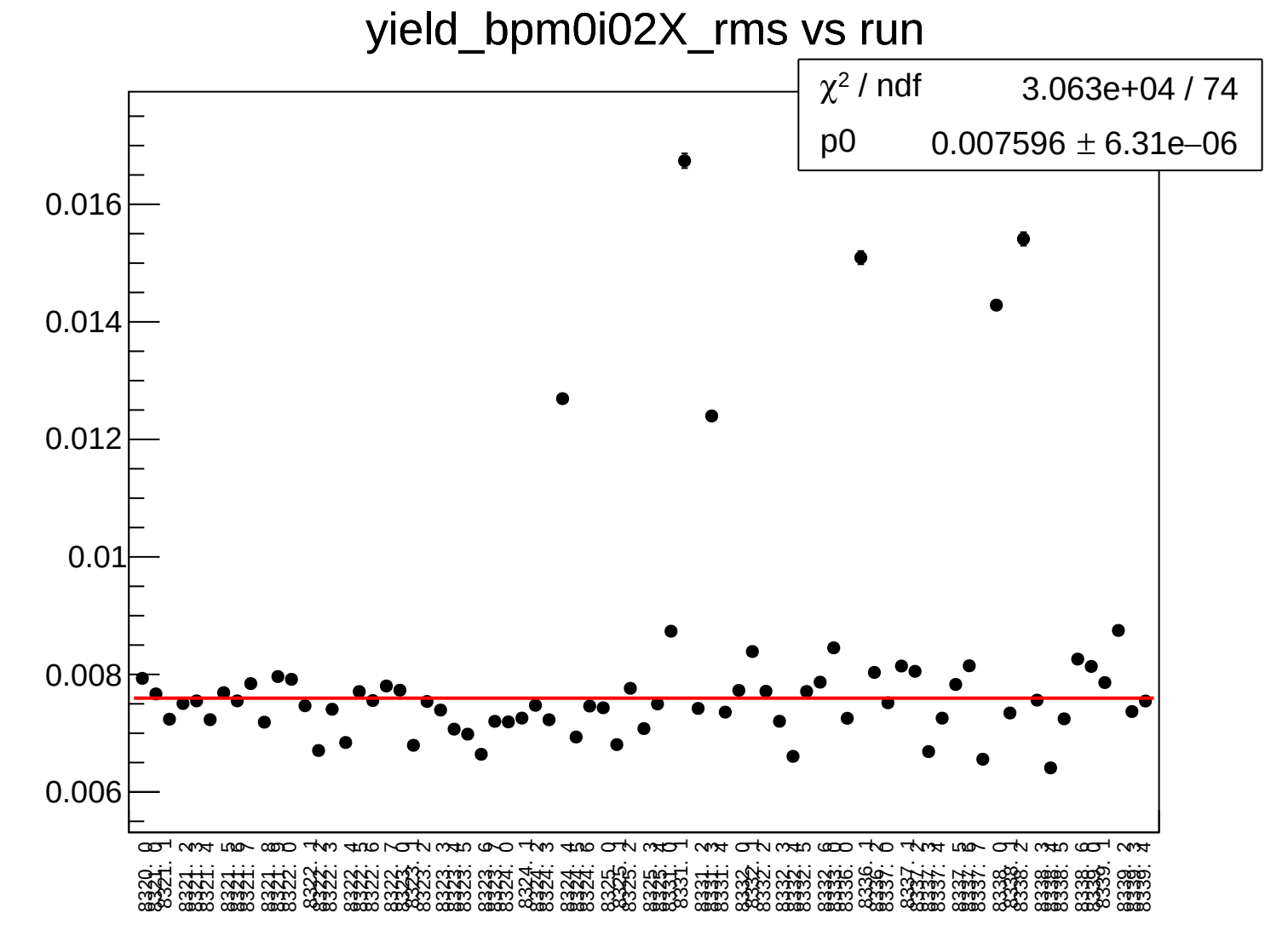

yield_bpm16X_rms vs run
χ² / ndf 3.798e+04 / 74
p0 0.04353 ± 3.625e−05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035

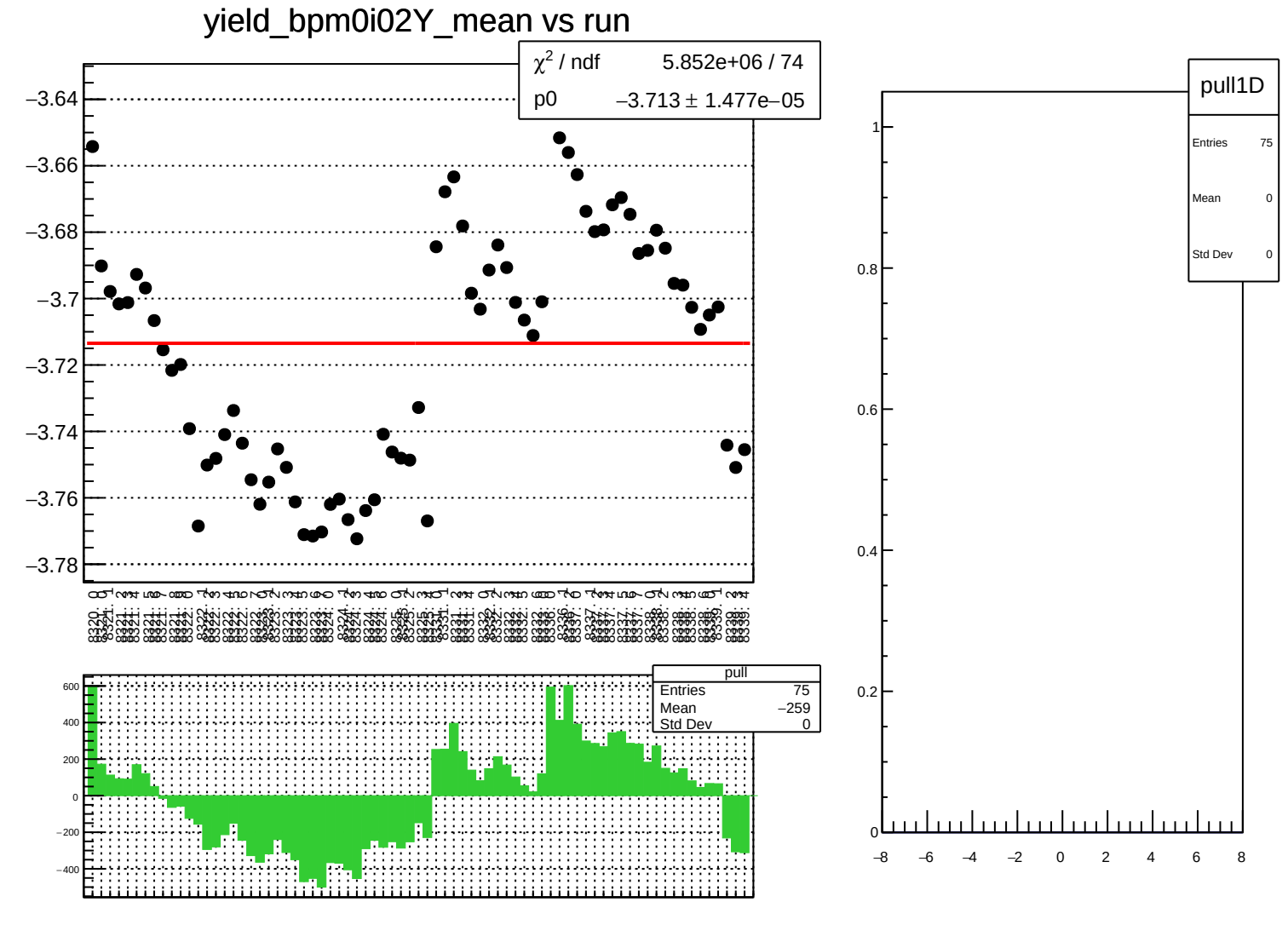

yield_bpm16Y_mean vs run
χ² / ndf 8.313e+07 / 74
p0 0.09253 ± 9.459e−06
pull
Entries 75
Mean 1292
Std Dev 0

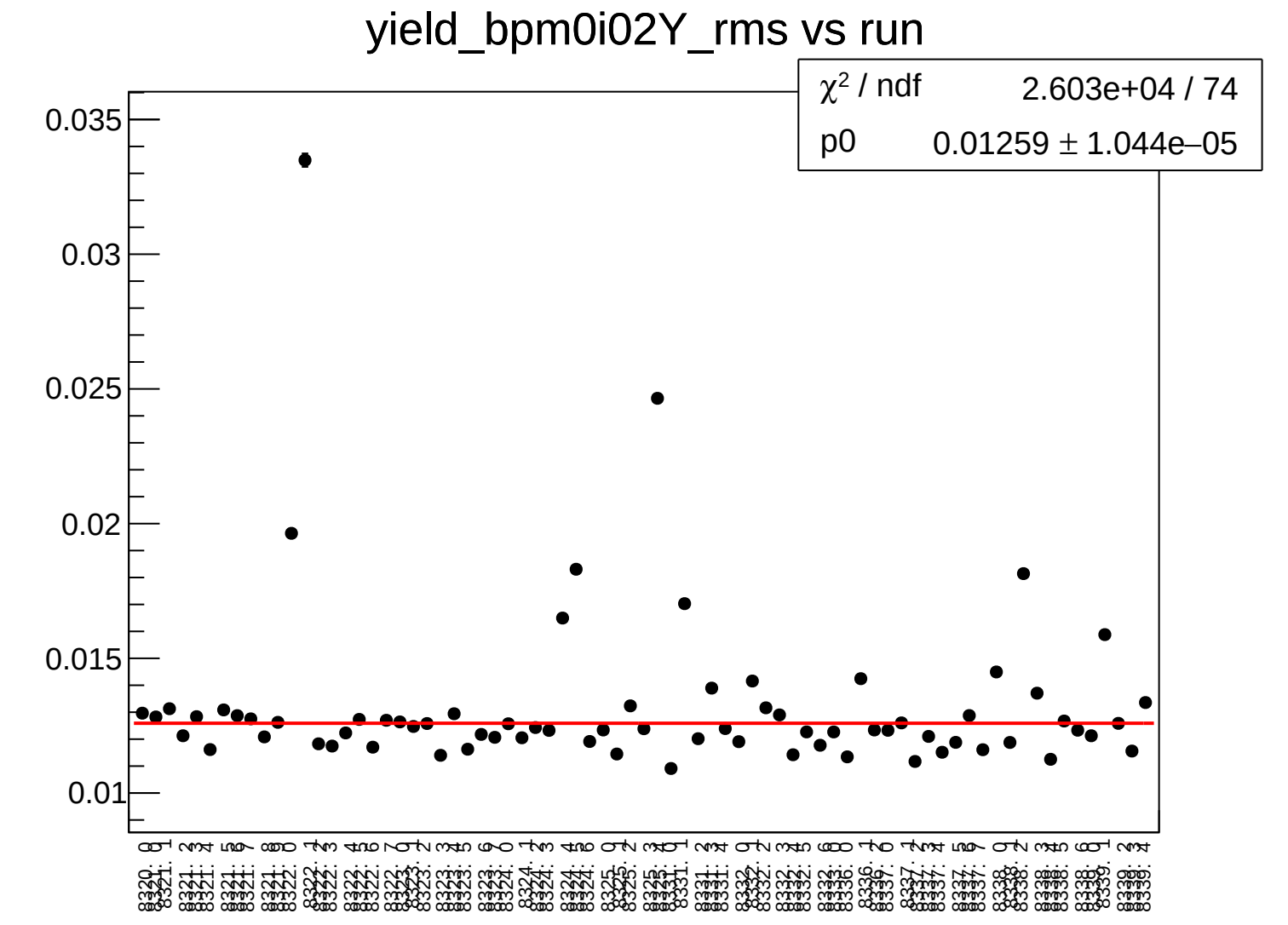

pull1D
Entries 75
Mean 0
Std Dev 0

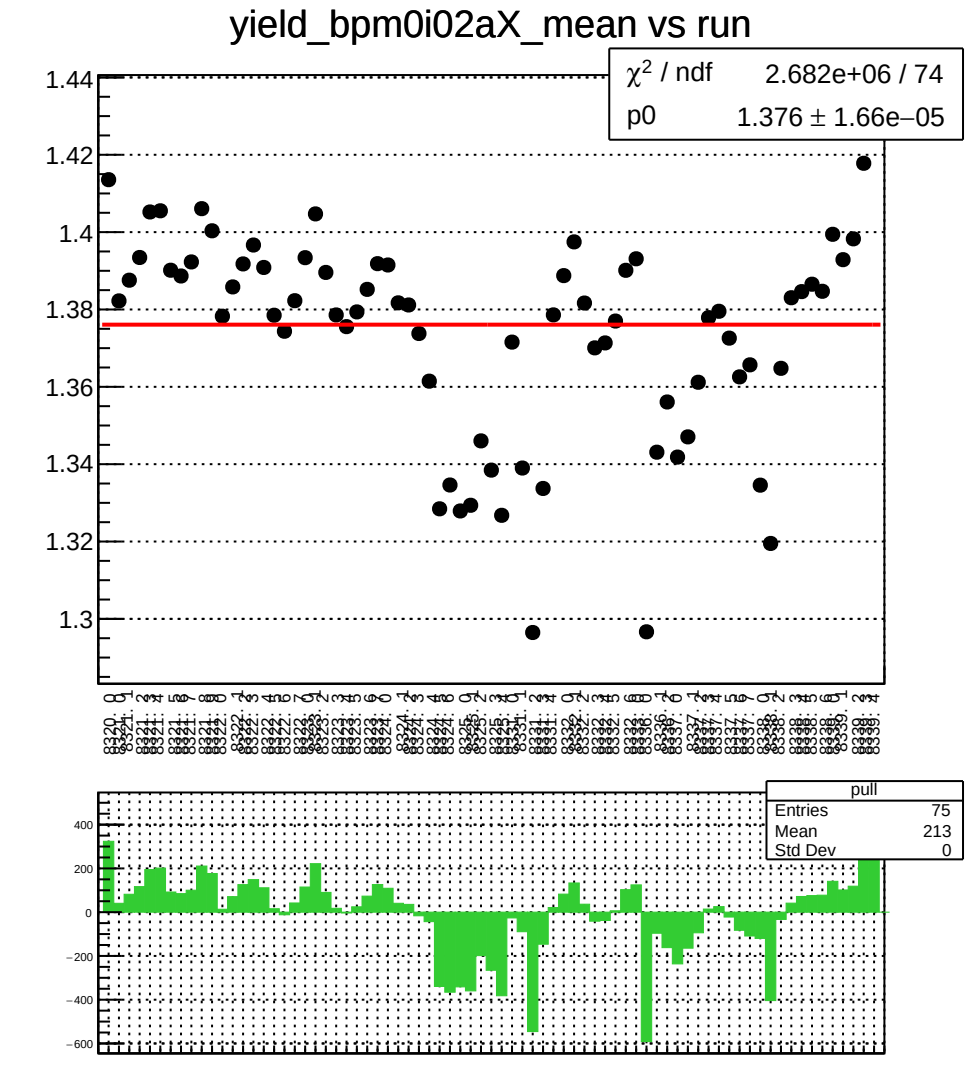

yield_bpm16Y_rms vs run
χ² / ndf 4.042e+04 / 74
p0 0.008025 ± 6.688e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

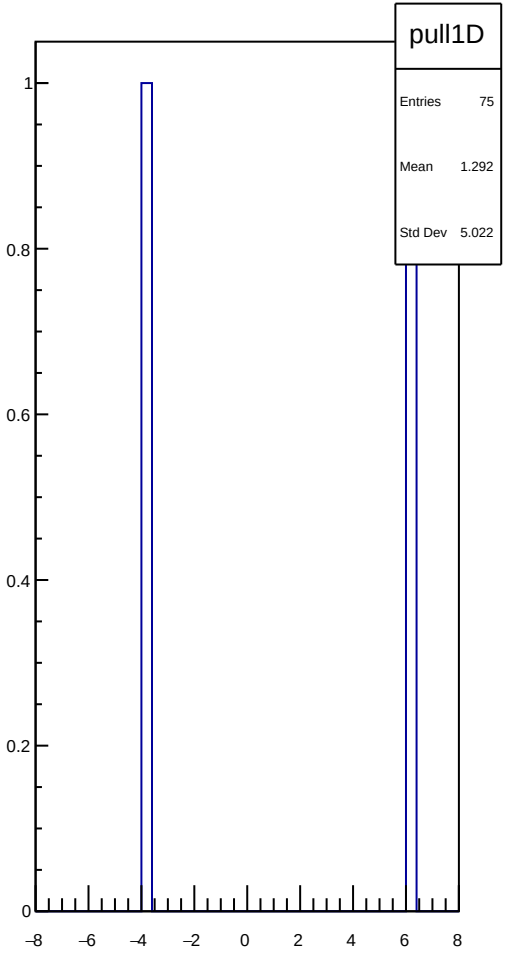

yield_bpm0i02X_mean vs run
χ² / ndf 2.136e+06 / 74
p0 0.7991 ± 8.923e−06
pull
Entries 75
Mean −157.1
Std Dev 0
pull1D
Entries 75
Mean 0.4425
Std Dev 2.828

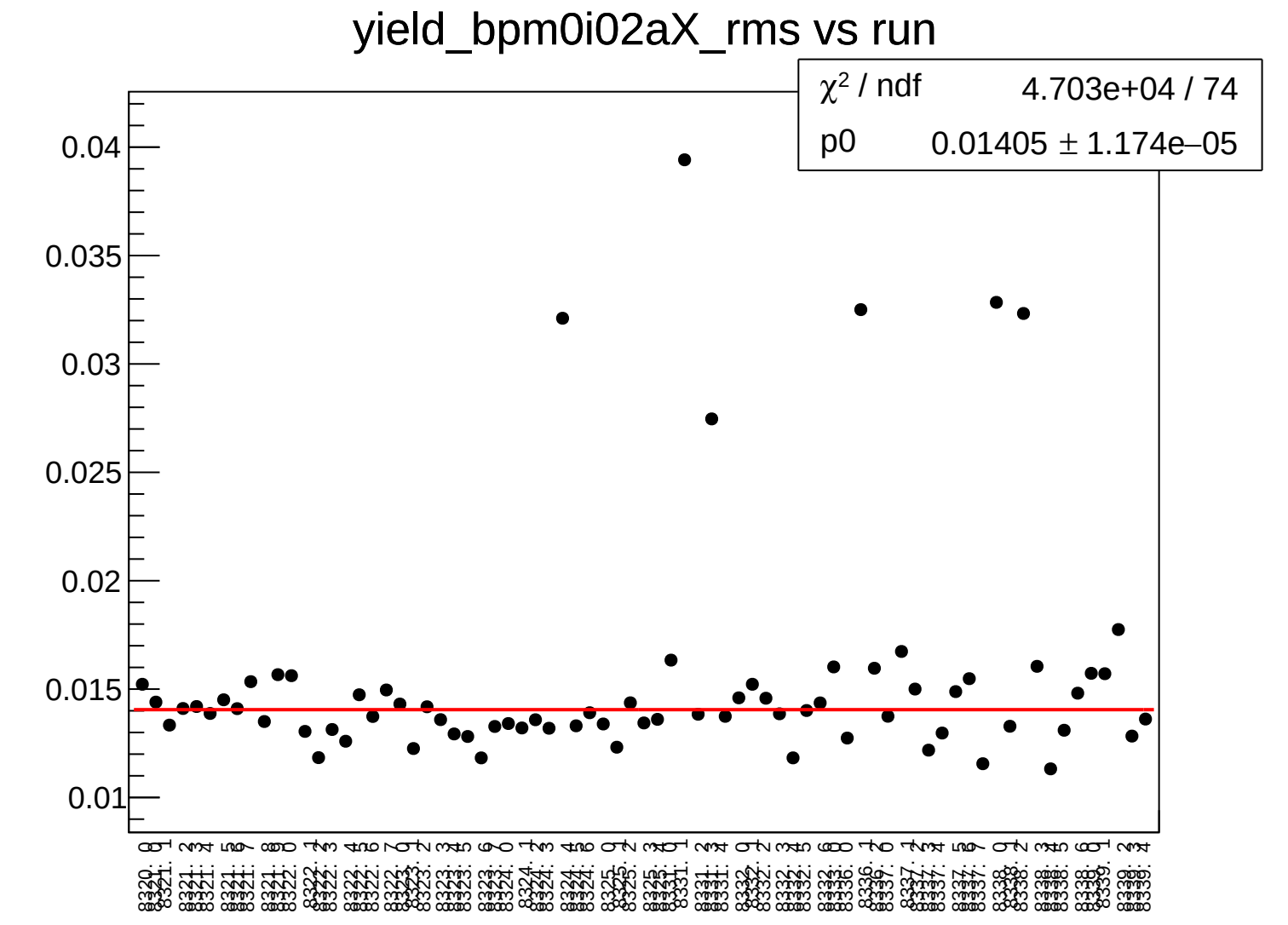

yield_bpm0i02X_rms vs run
χ² / ndf 3.063e+04 / 74
p0 0.007596 ± 6.31e–06
0.016
0.014
0.012
0.01
0.008
0.006

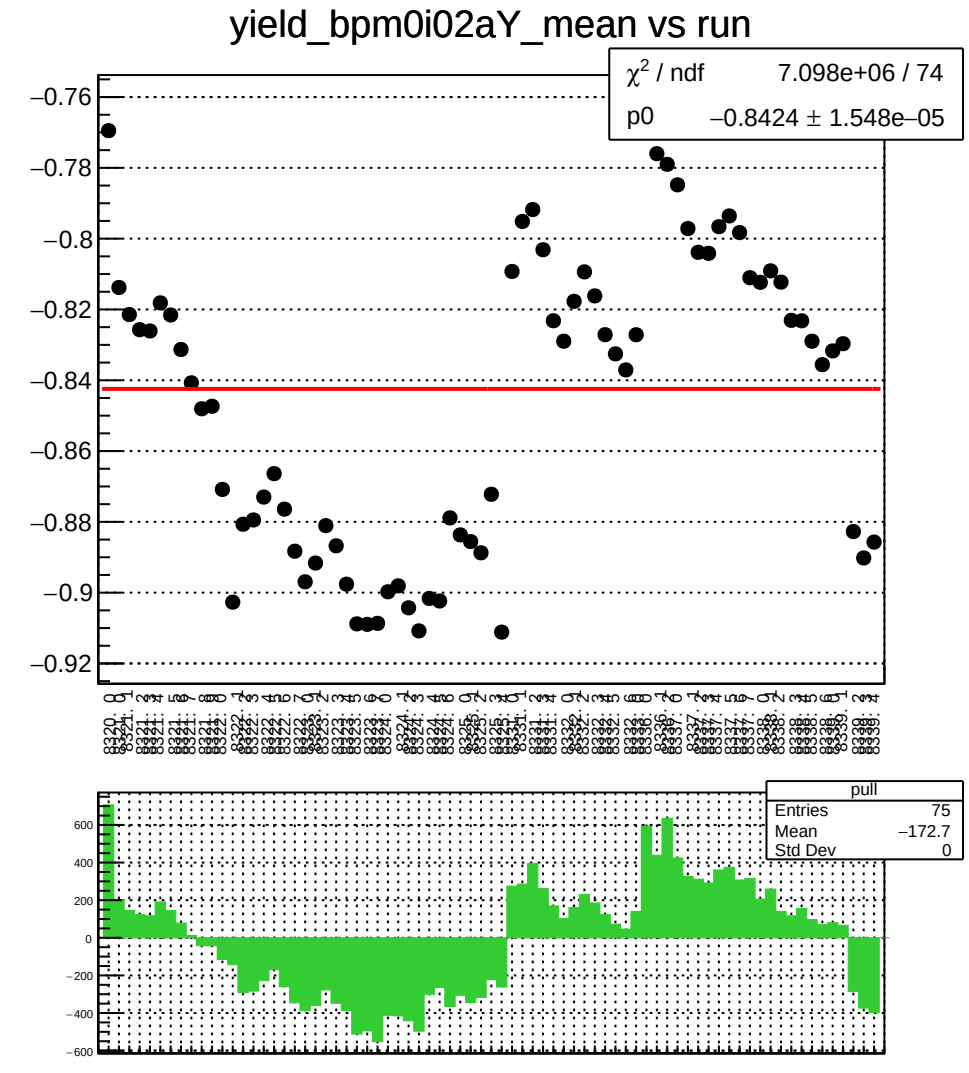

yield_bpm0i02Y_mean vs run
χ² / ndf 5.852e+06 / 74
p0 −3.713 ± 1.477e−05
−3.64
−3.66
−3.68
−3.7
−3.72
−3.74
−3.76
−3.78
pull
Entries 75
Mean −259
Std Dev 0
600
400
200
0
−200
−400
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

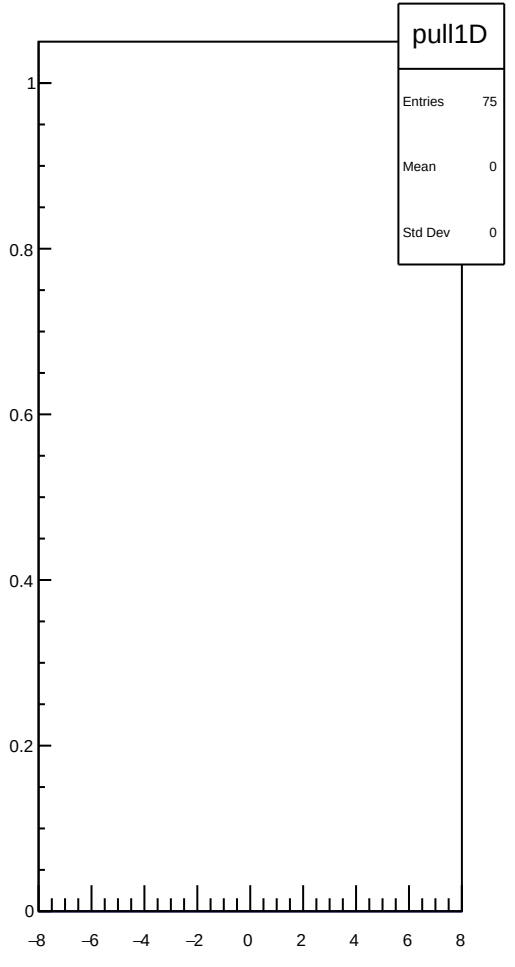

yield_bpm0i02Y_rms vs run
χ² / ndf 2.603e+04 / 74
p0 0.01259 ± 1.044e−05
0.035
0.03
0.025
0.02
0.015
0.01

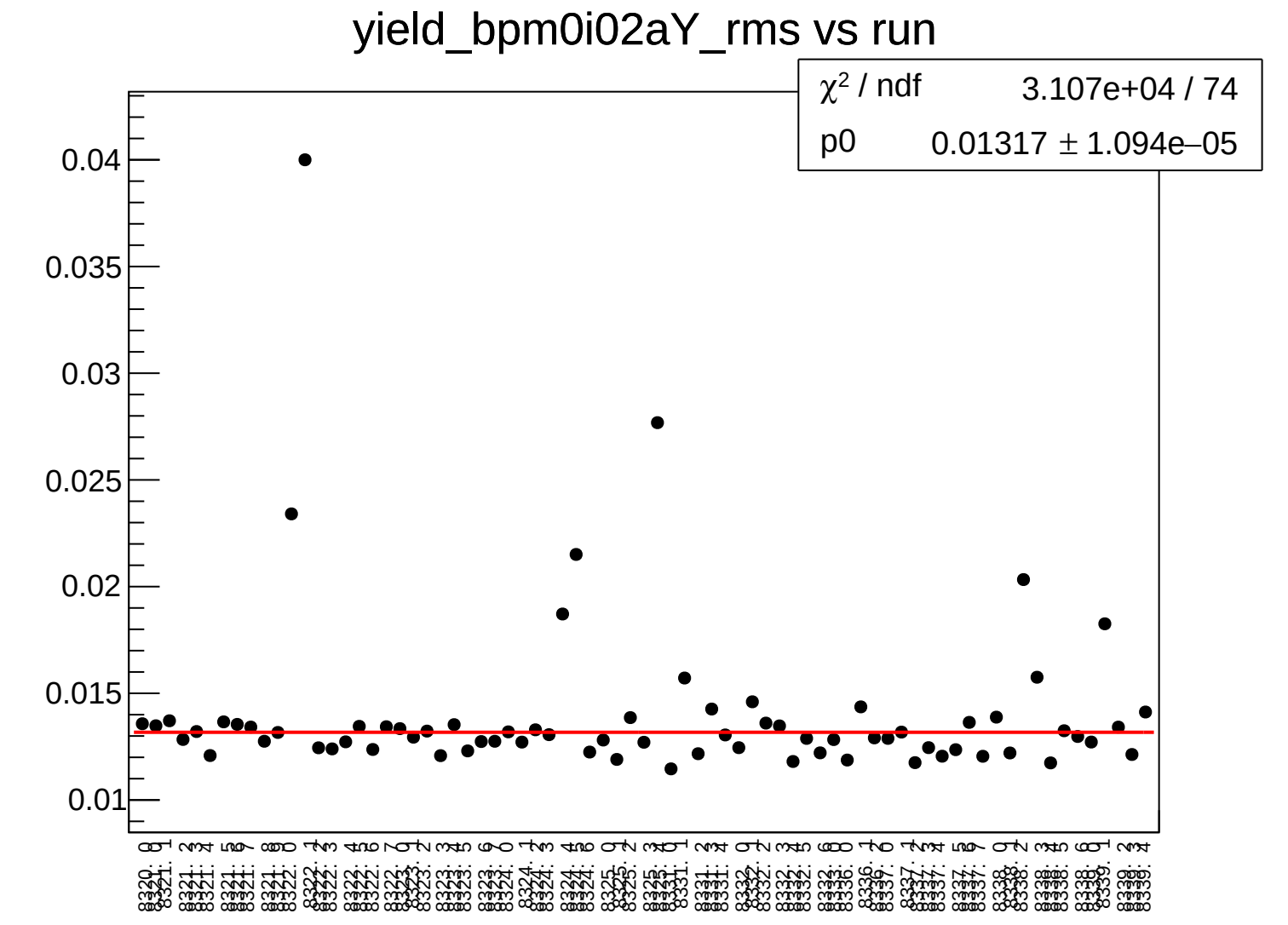

yield_bpm0i02aX_mean vs run
χ² / ndf 2.682e+06 / 74
p0 1.376 ± 1.66e−05
1.44
1.42
1.4
1.38
1.36
1.34
1.32
1.3
pull
Entries 75
Mean 213
Std Dev 0
400
200
0
−200
−400
−600

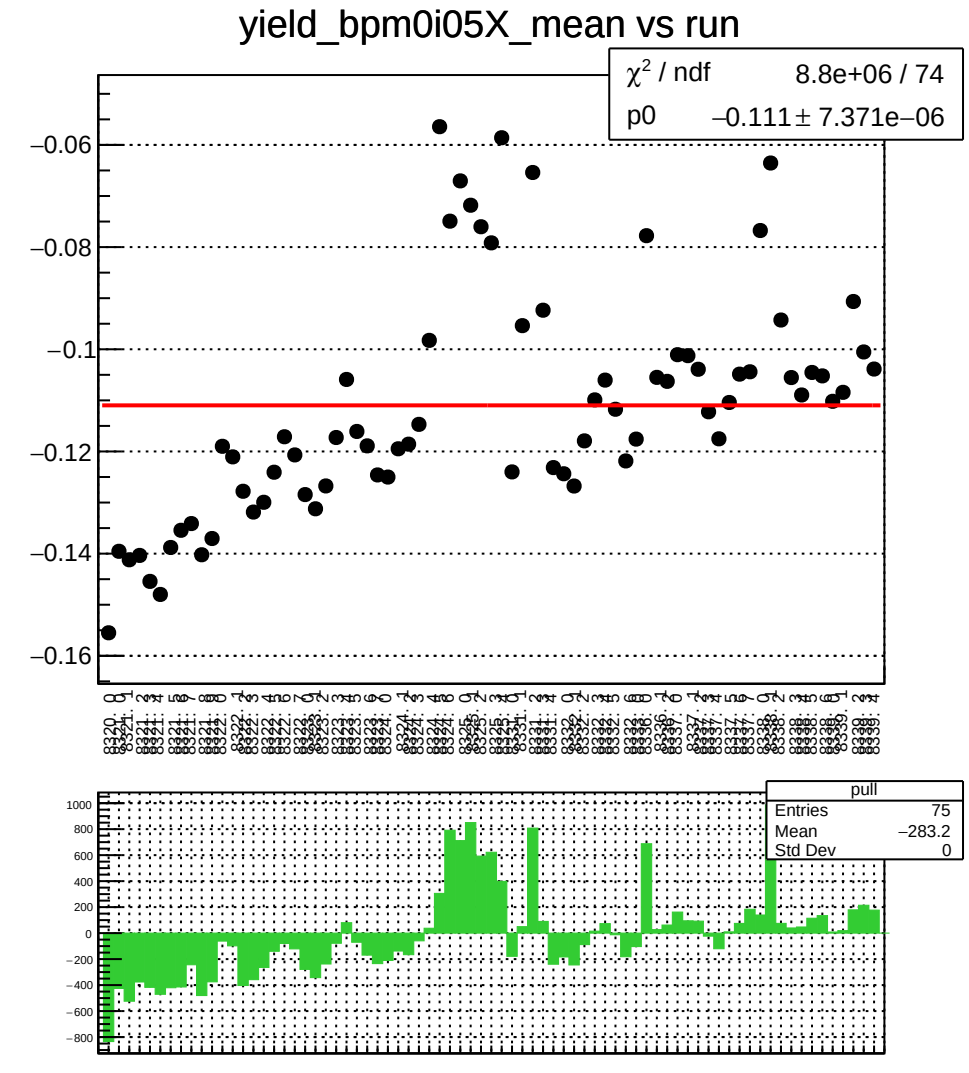

pull1D
Entries 75
Mean 1.292
Std Dev 5.022
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

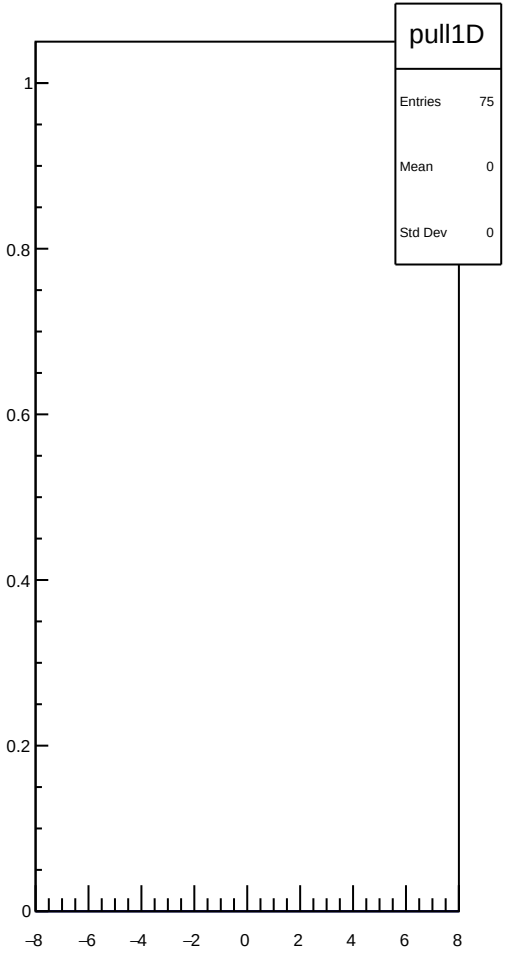

yield_bpm0i02aX_rms vs run
χ² / ndf 4.703e+04 / 74
p0 0.01405 ± 1.174e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

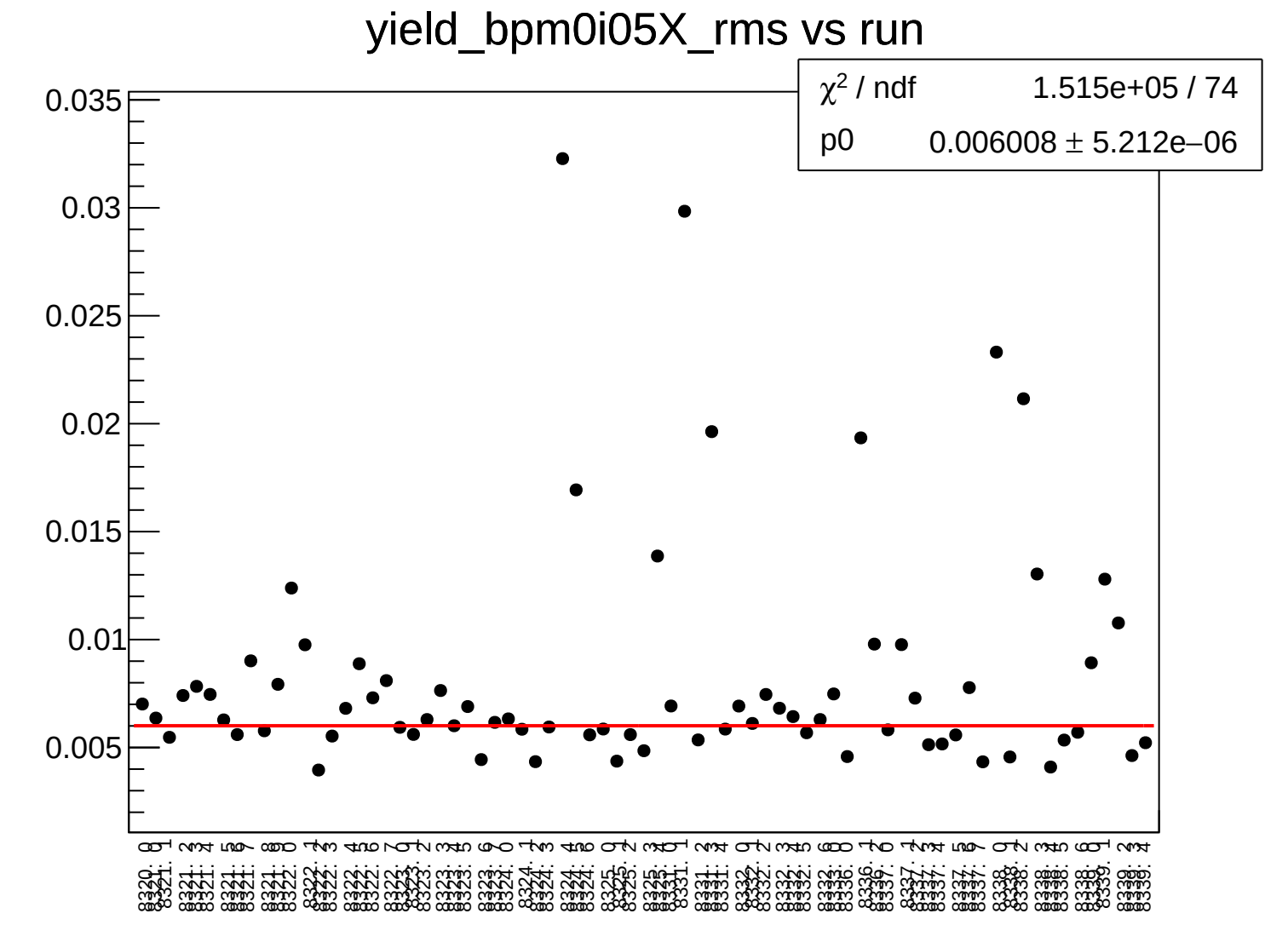

yield_bpm0i02aY_mean vs run
χ² / ndf 7.098e+06 / 74
p0 −0.8424 ± 1.548e−05
pull
Entries 75
Mean −172.7
Std Dev 0

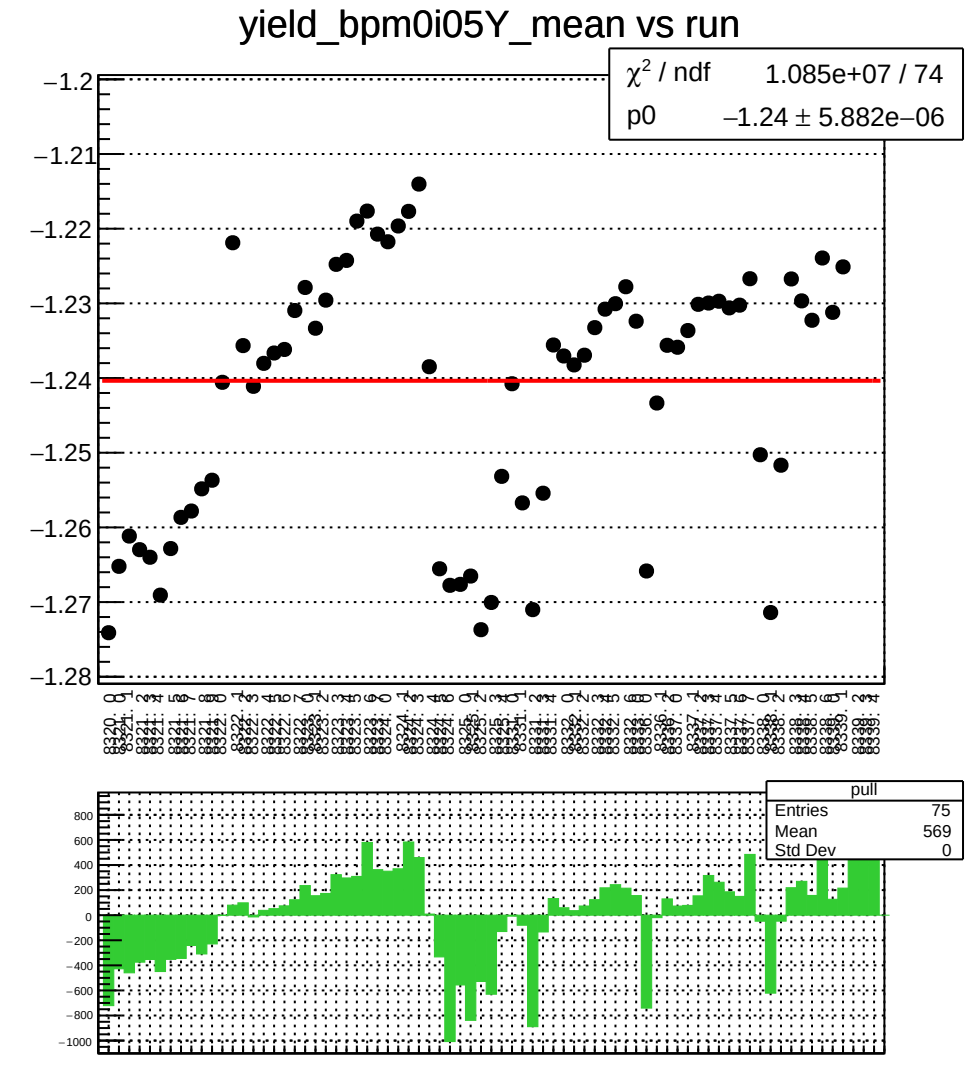

pull1D
Entries 75
Mean 0
Std Dev 0

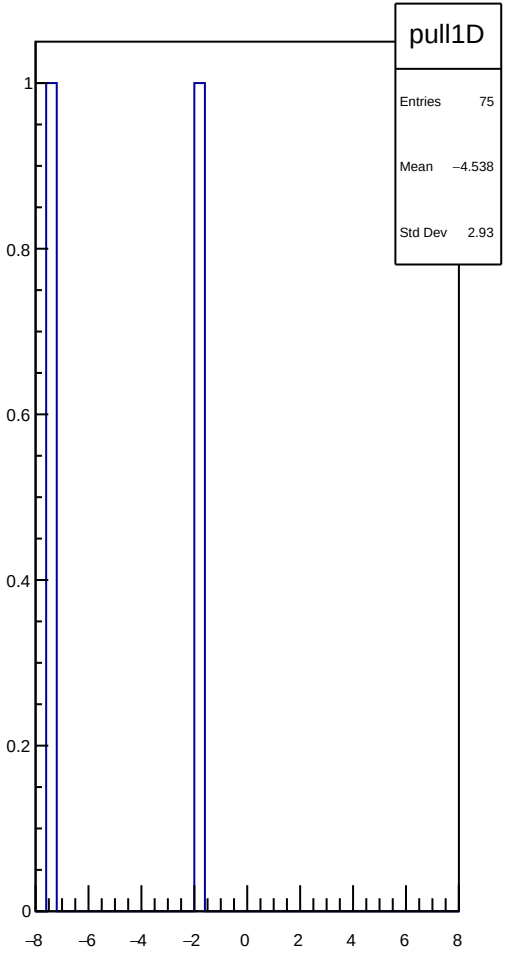

yield_bpm0i02aY_rms vs run
χ² / ndf 3.107e+04 / 74
p0 0.01317 ± 1.094e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

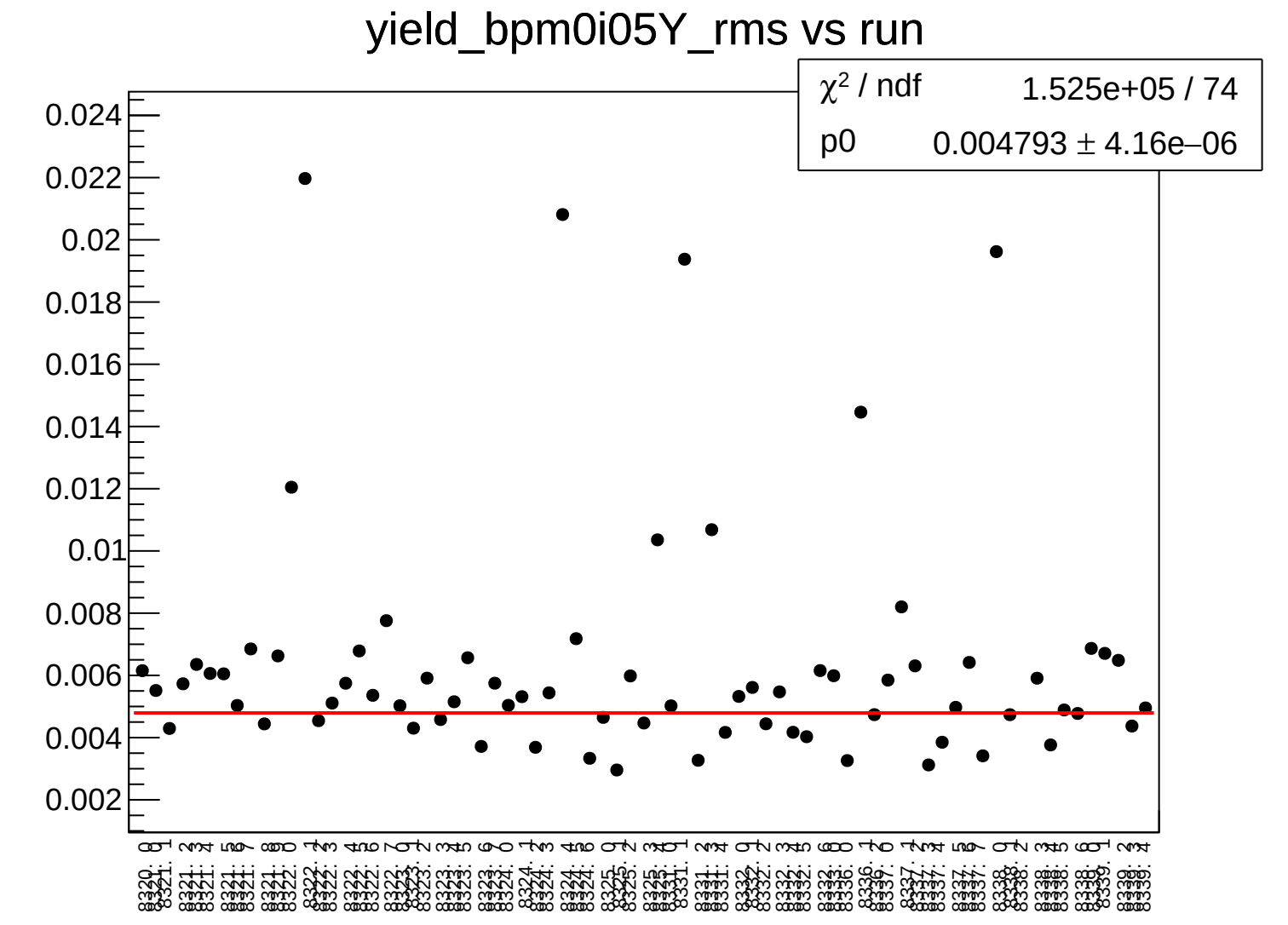

yield_bpm0i05X_mean vs run
χ² / ndf 8.8e+06 / 74
p0 −0.111 ± 7.371e−06
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 75
Mean −283.2
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

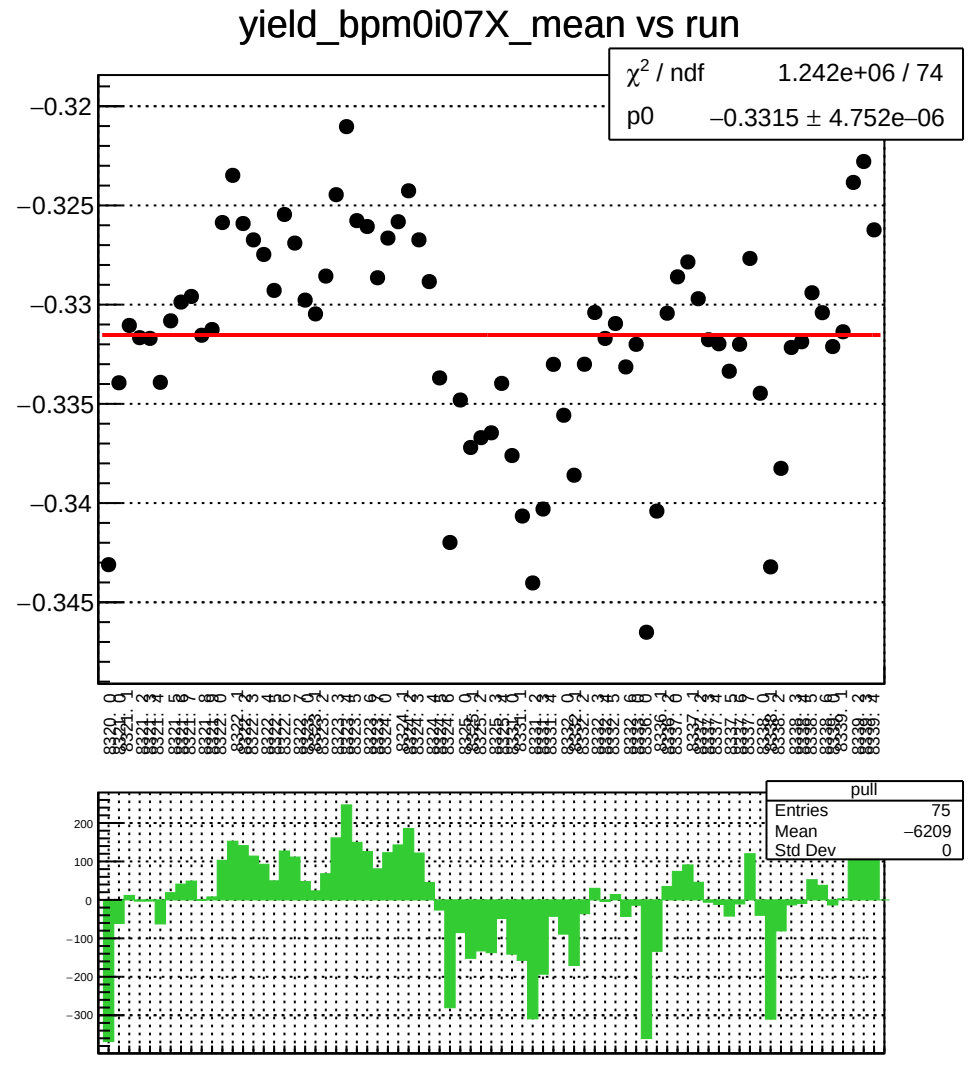

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

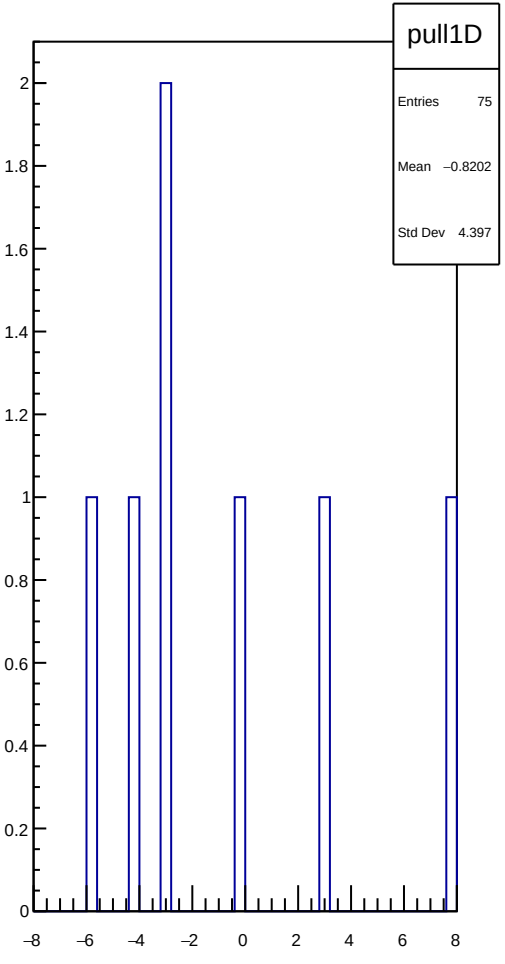

yield_bpm0i05X_rms vs run
χ² / ndf 1.515e+05 / 74
p0 0.006008 ± 5.212e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

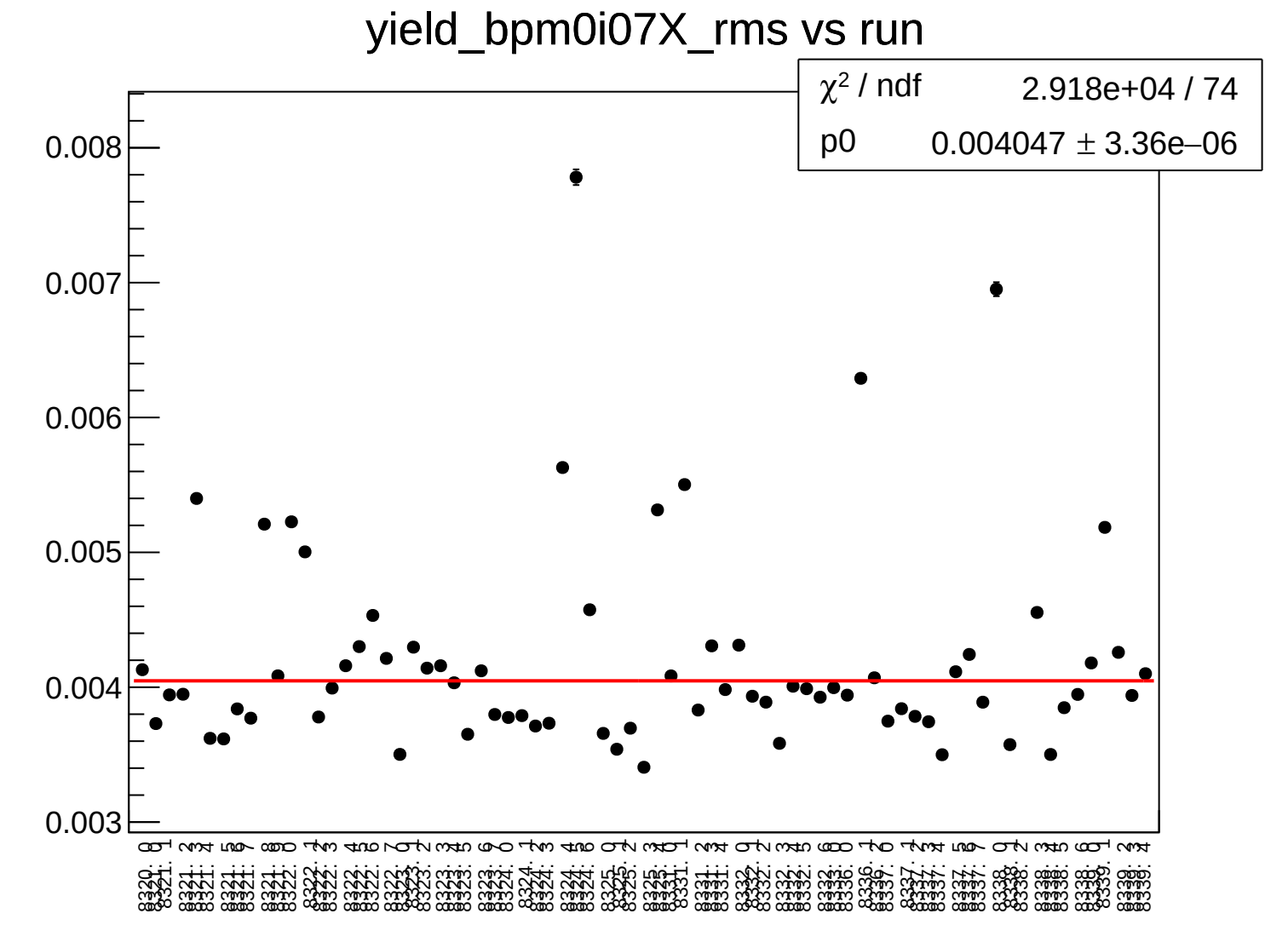

yield_bpm0i05Y_mean vs run
χ² / ndf 1.085e+07 / 74
p0 −1.24 ± 5.882e−06
−1.2
−1.21
−1.22
−1.23
−1.24
−1.25
−1.26
−1.27
−1.28
pull
Entries 75
Mean 569
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

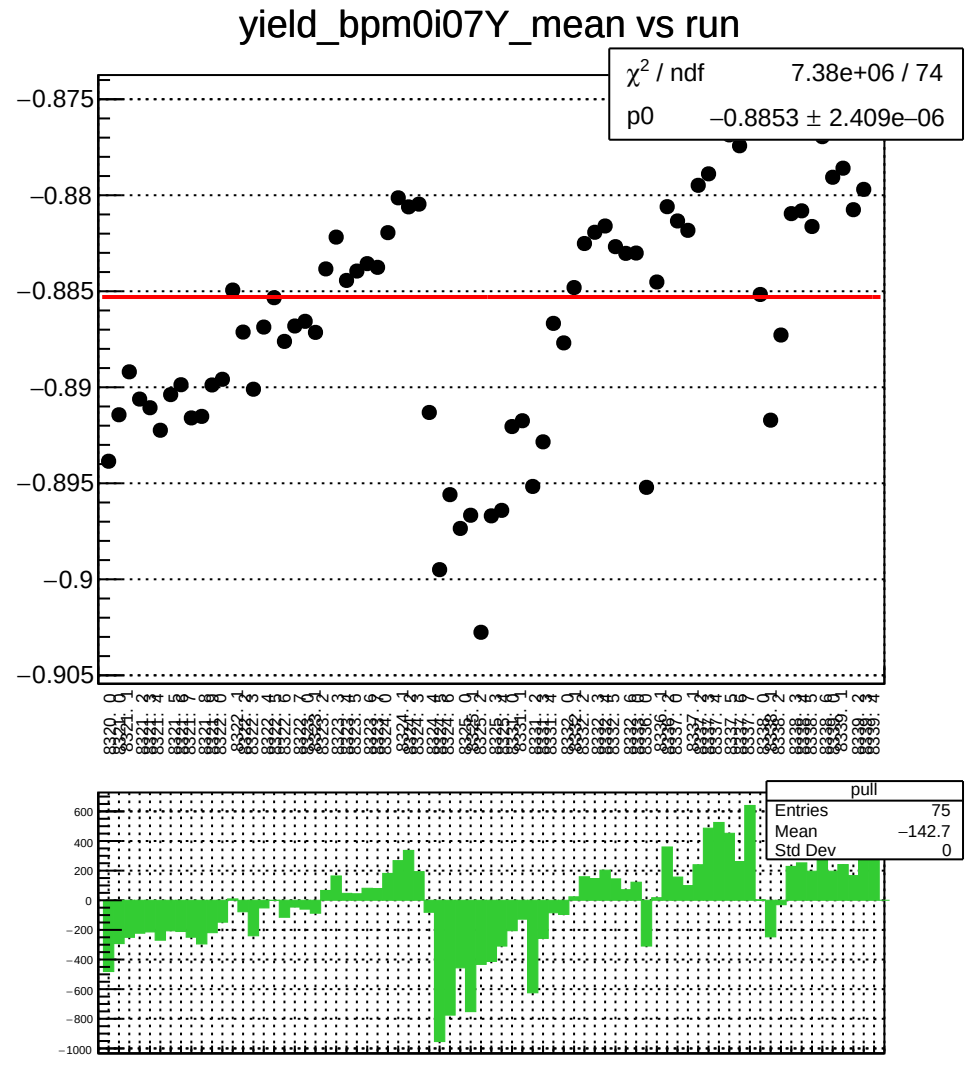

pull1D
Entries 75
Mean −4.538
Std Dev 2.93
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

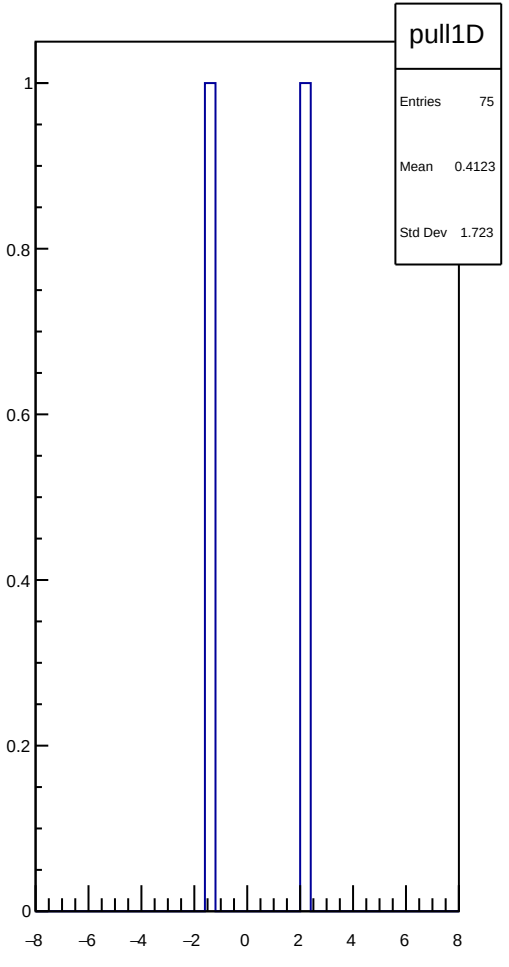

yield_bpm0i05Y_rms vs run
χ² / ndf 1.525e+05 / 74
p0 0.004793 ± 4.16e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

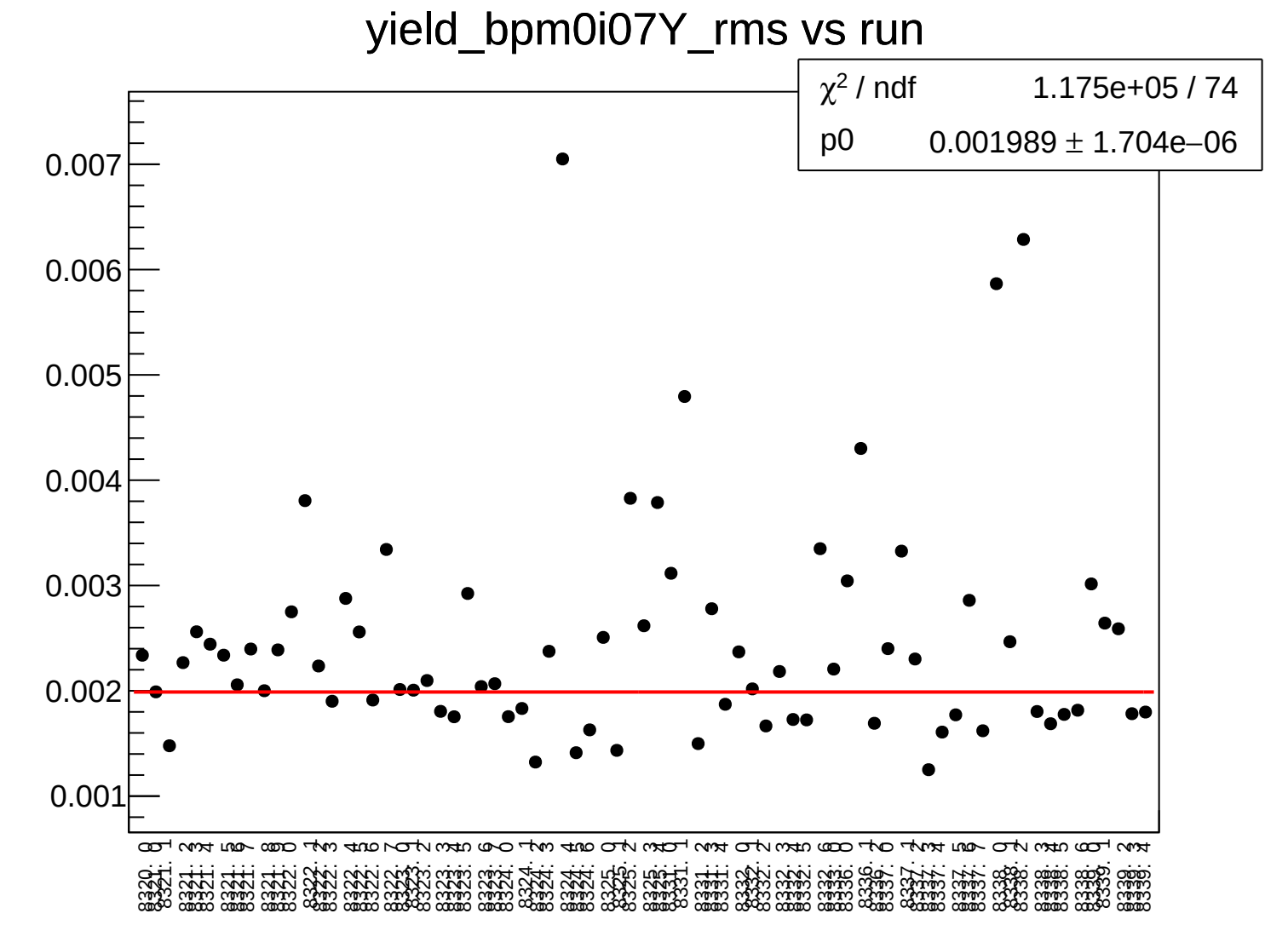

yield_bpm0i07X_mean vs run
χ² / ndf 1.242e+06 / 74
p0 −0.3315 ± 4.752e−06
−0.32
−0.325
−0.33
−0.335
−0.34
−0.345
pull
Entries 75
Mean −6209
Std Dev 0
200
100
0
−100
−200
−300

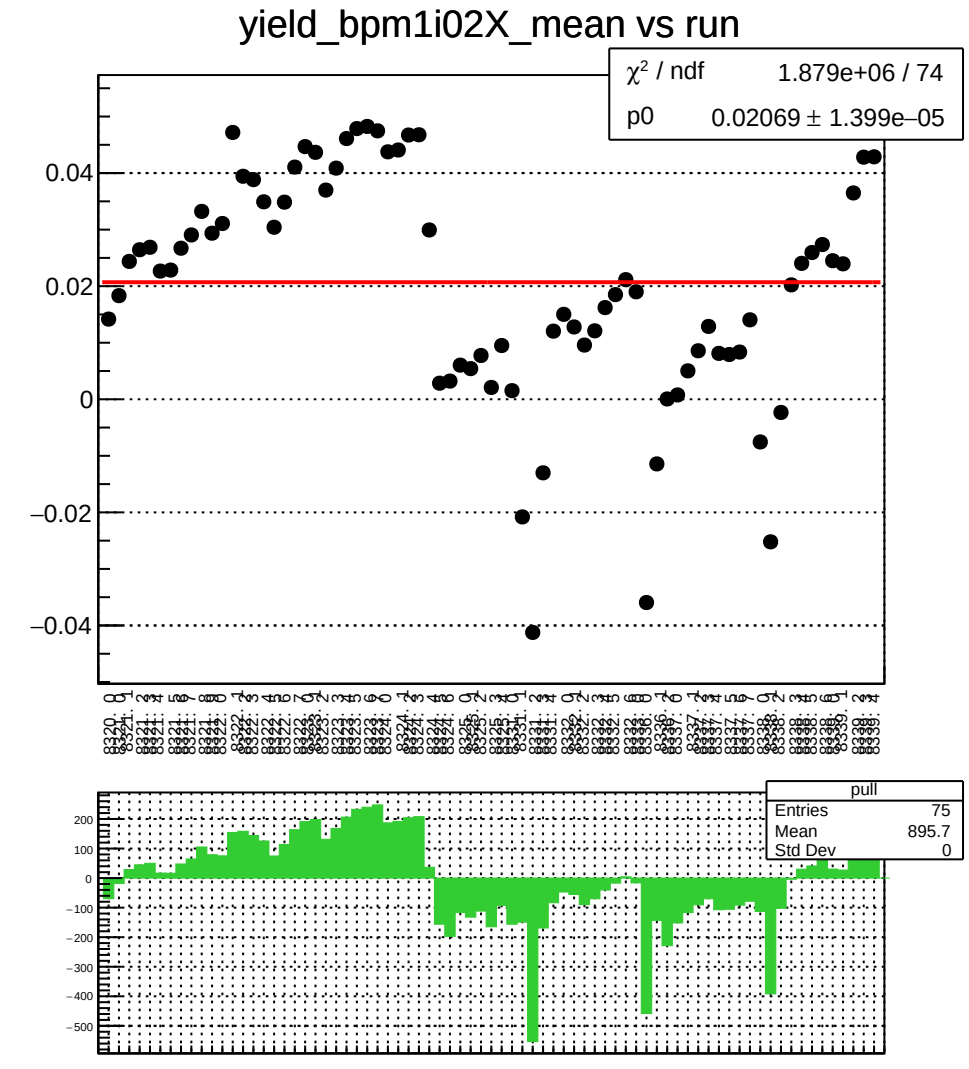

pull1D
Entries 75
Mean −0.8202
Std Dev 4.397
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

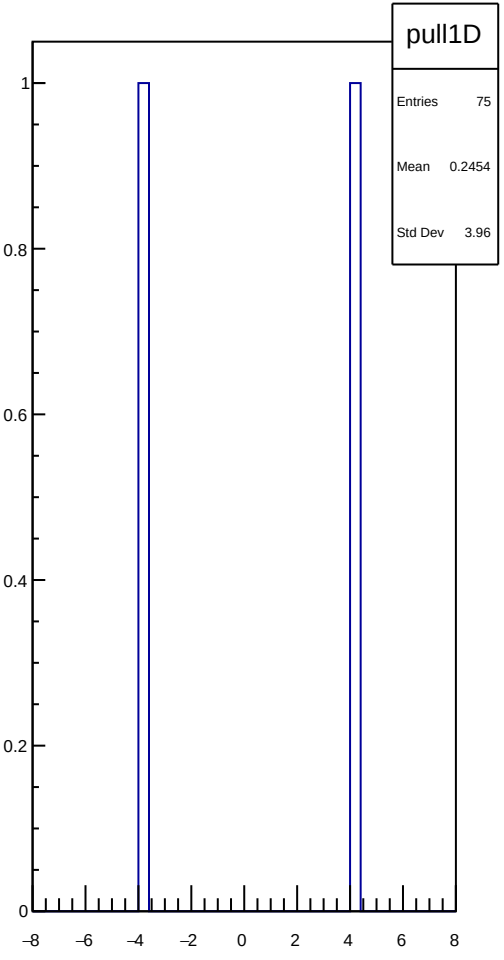

yield_bpm0i07X_rms vs run
χ² / ndf 2.918e+04 / 74
p0 0.004047 ± 3.36e−06
0.008
0.007
0.006
0.005
0.004
0.003

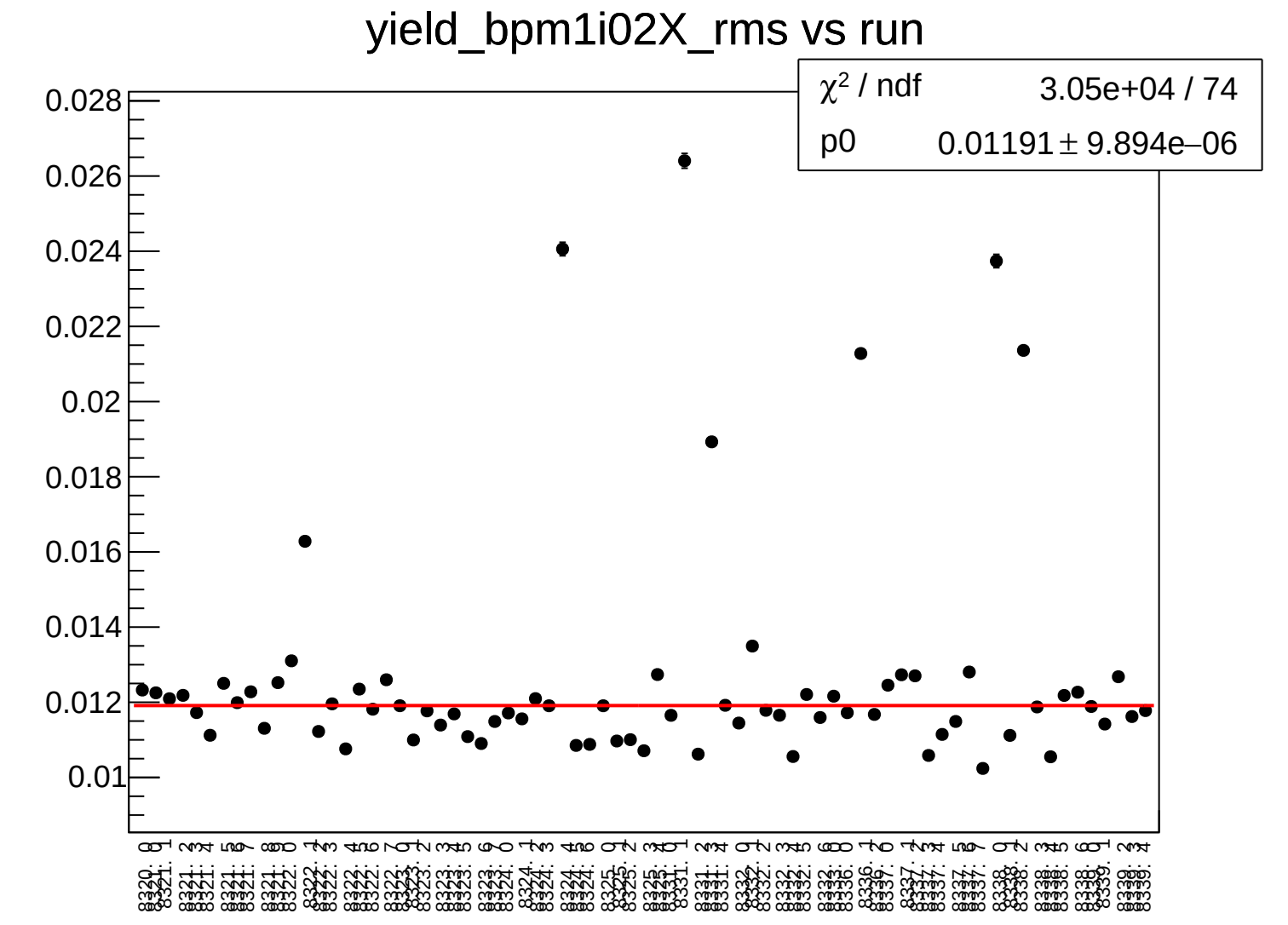

yield_bpm0i07Y_mean vs run
χ² / ndf 7.38e+06 / 74
p0 −0.8853 ± 2.409e−06
−0.875
−0.88
−0.885
−0.89
−0.895
−0.9
−0.905
pull
Entries 75
Mean −142.7
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000

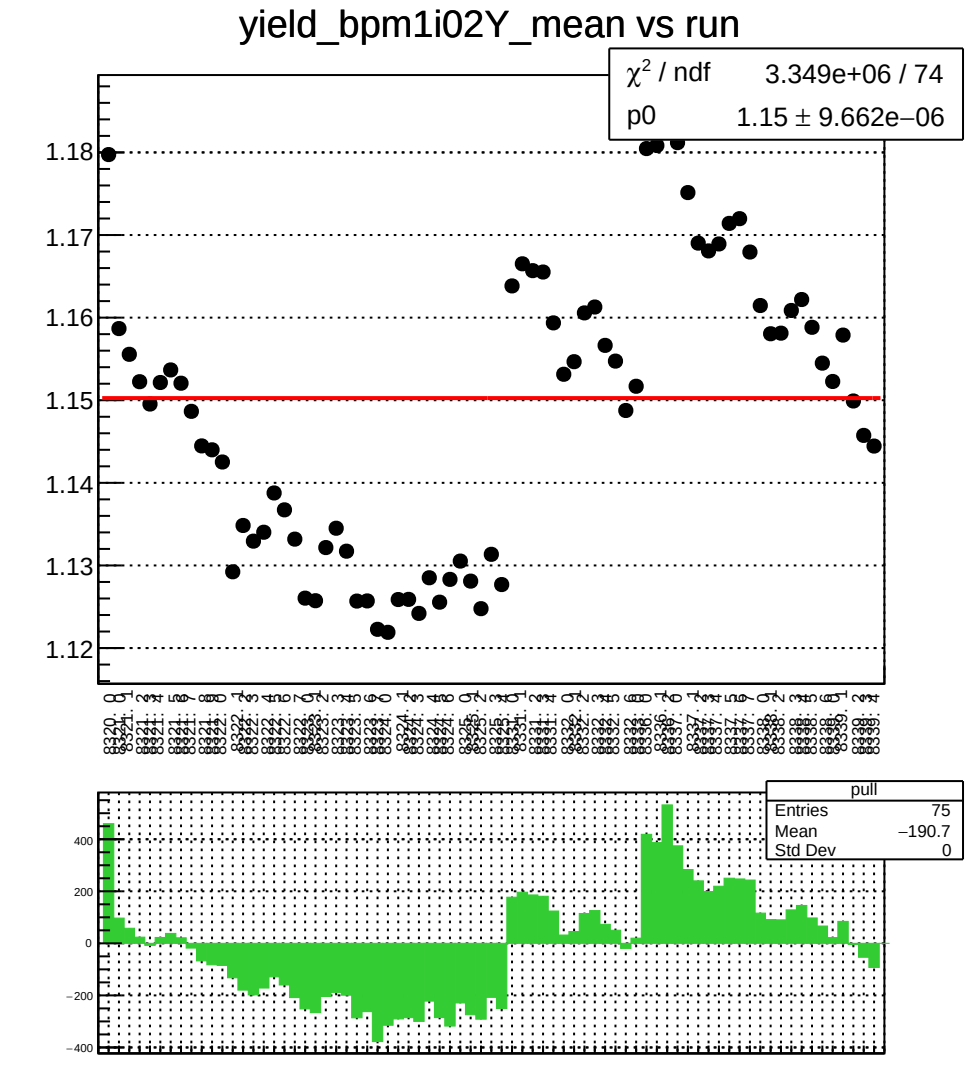

pull1D
Entries 75
Mean 0.4123
Std Dev 1.723
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

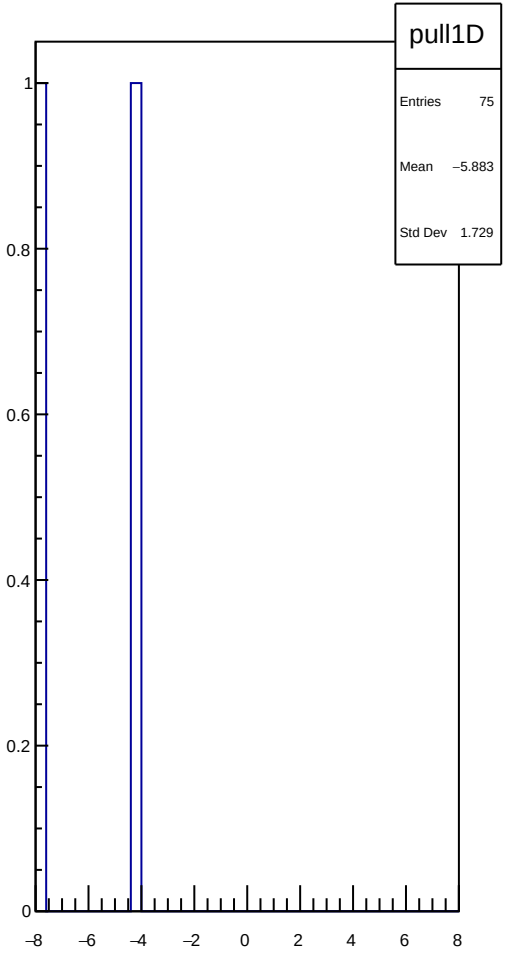

yield_bpm0i07Y_rms vs run
χ² / ndf 1.175e+05 / 74
p0 0.001989 ± 1.704e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001

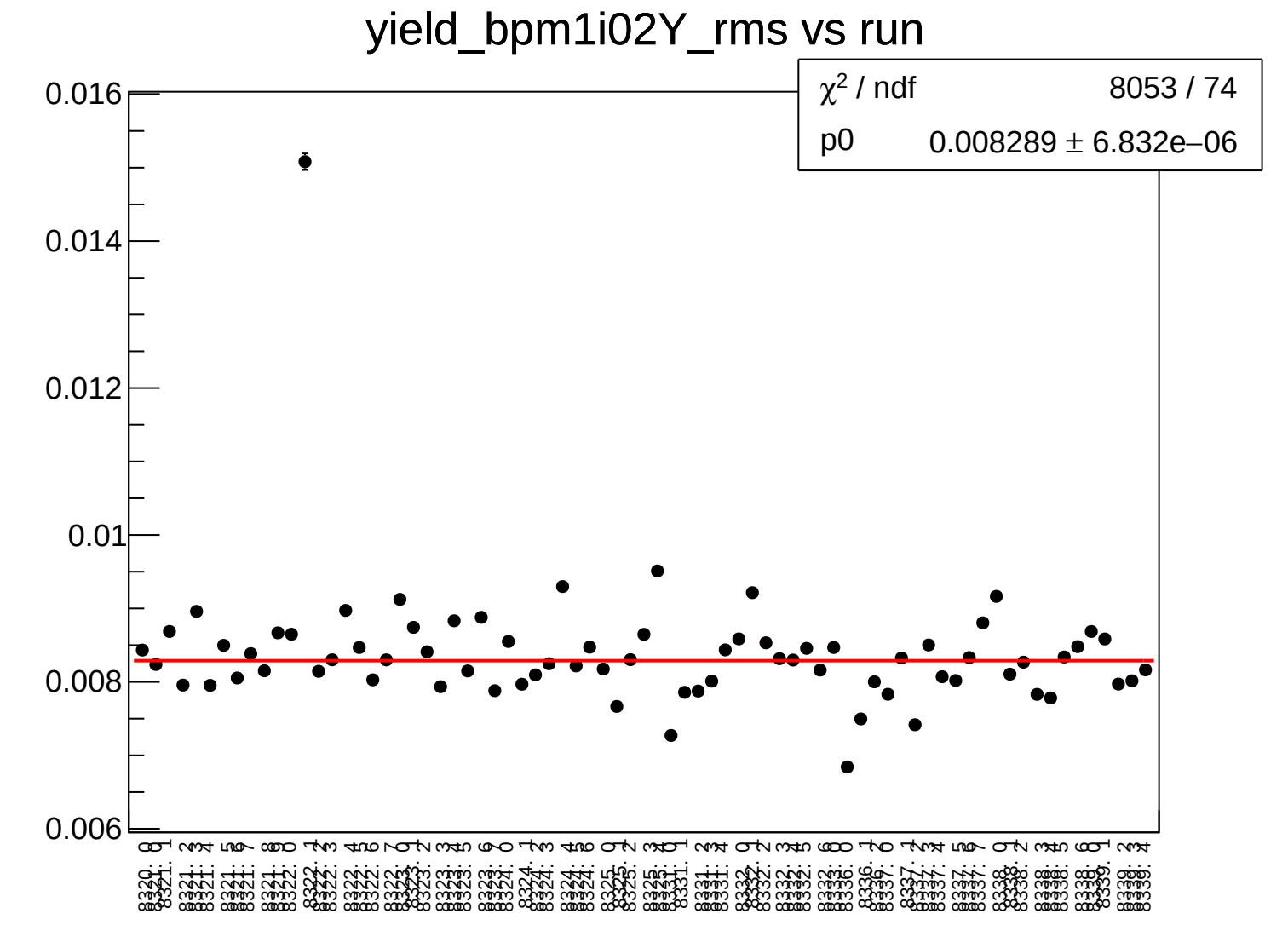

yield_bpm1i02X_mean vs run
χ² / ndf 1.879e+06 / 74
p0 0.02069 ± 1.399e–05
0.04
0.02
0
–0.02
–0.04
pull
Entries 75
Mean 895.7
Std Dev 0
200
100
0
–100
–200
–300
–400
–500

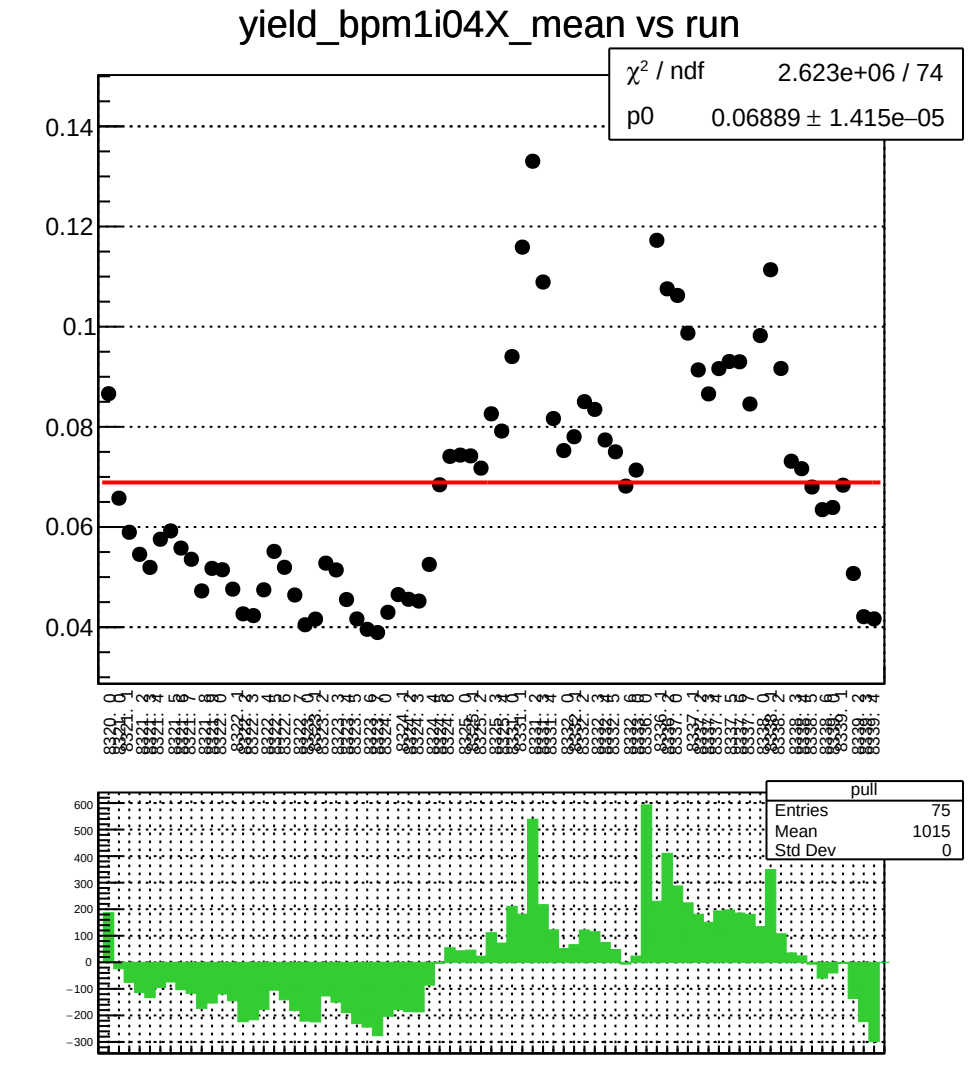

pull1D
Entries 75
Mean 0.2454
Std Dev 3.96
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

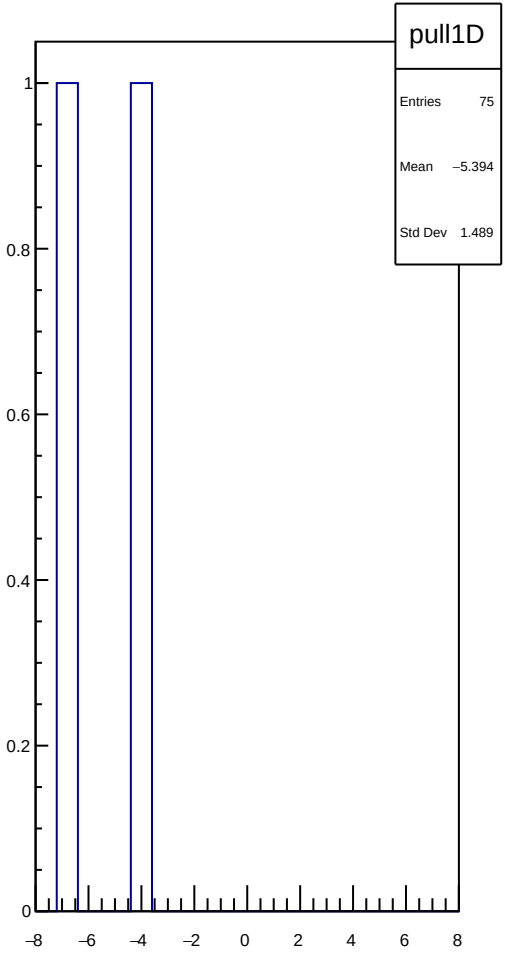

yield_bpm1i02X_rms vs run
χ² / ndf 3.05e+04 / 74
p0 0.01191 ± 9.894e–06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

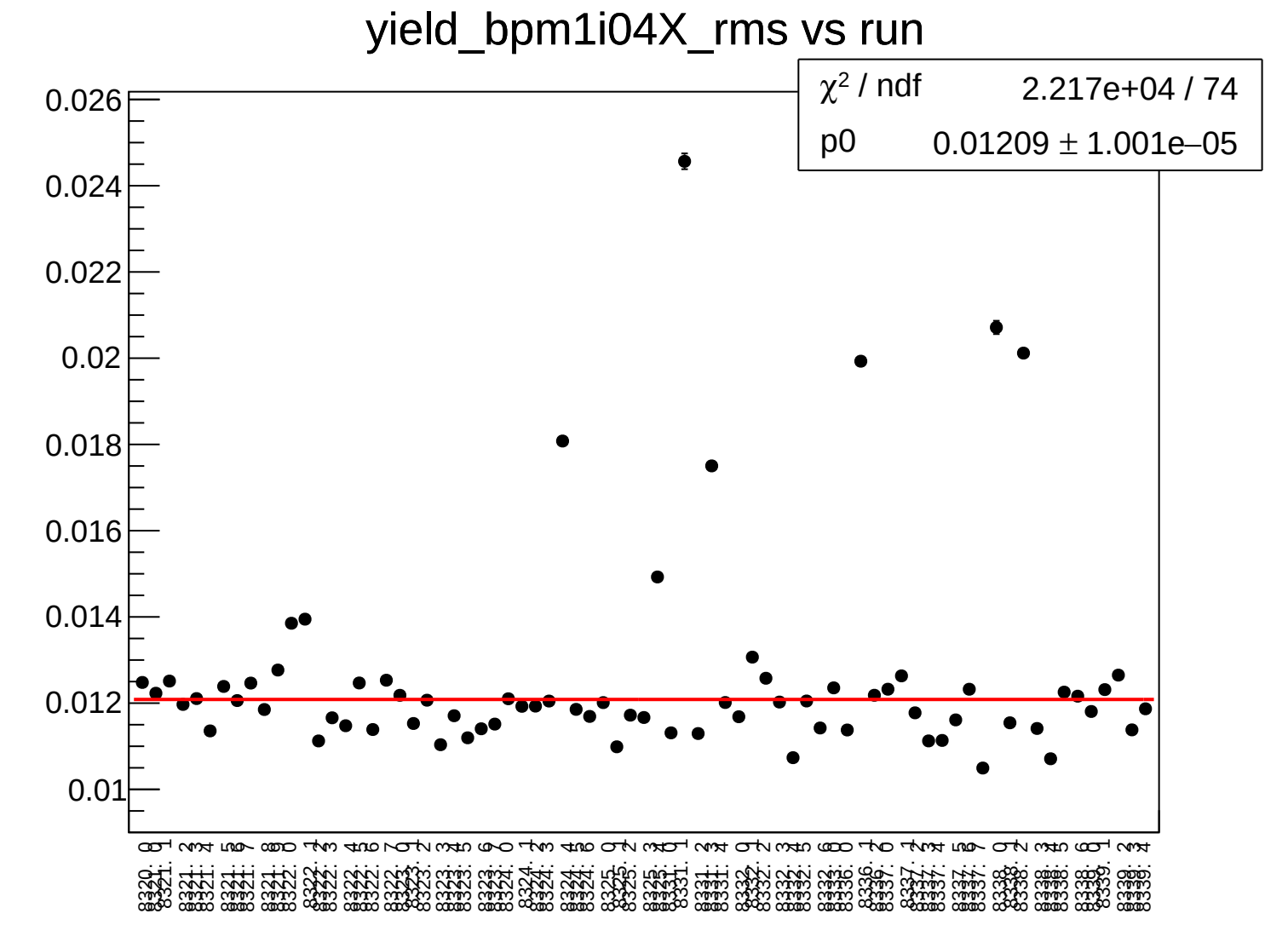

yield_bpm1i02Y_mean vs run
χ² / ndf 3.349e+06 / 74
p0 1.15 ± 9.662e−06
1.18
1.17
1.16
1.15
1.14
1.13
1.12
pull
Entries 75
Mean −190.7
Std Dev 0
400
200
0
−200
−400

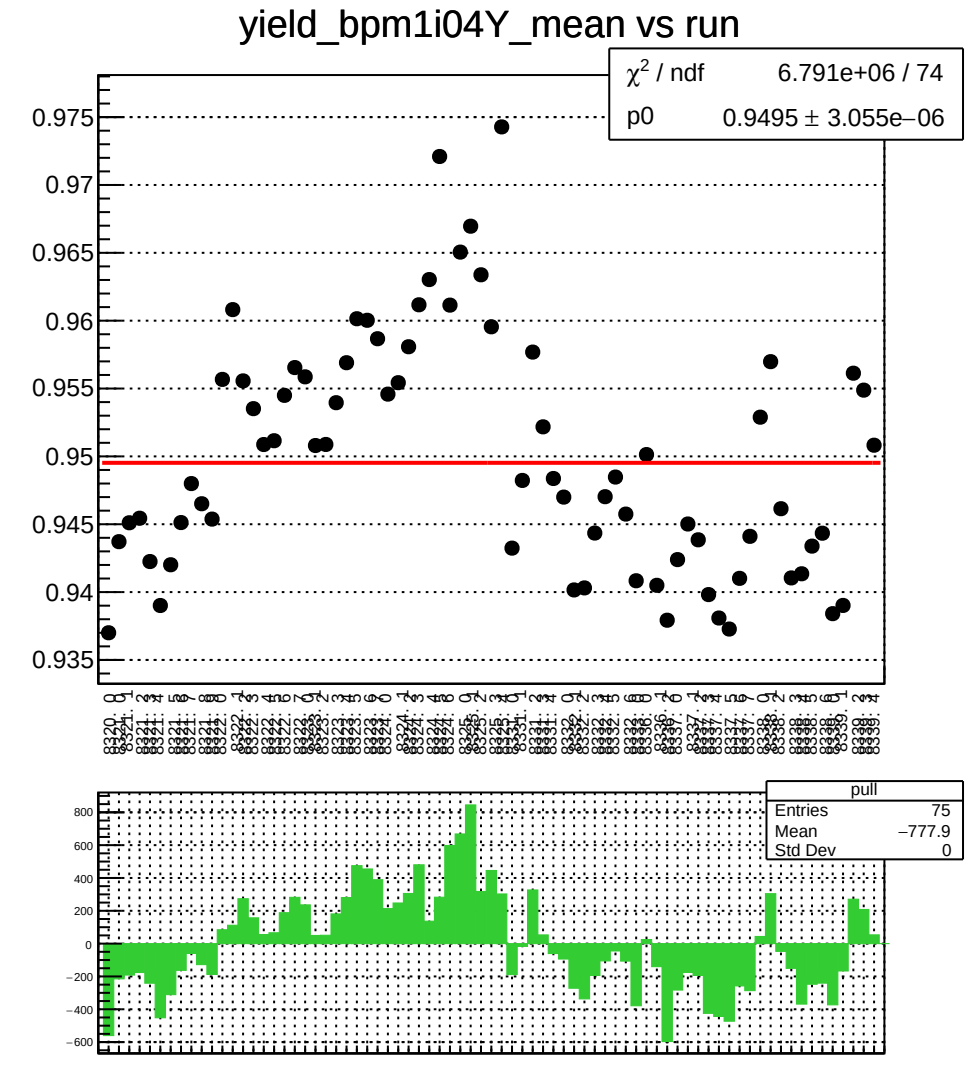

pull1D
Entries 75
Mean −5.883
Std Dev 1.729
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

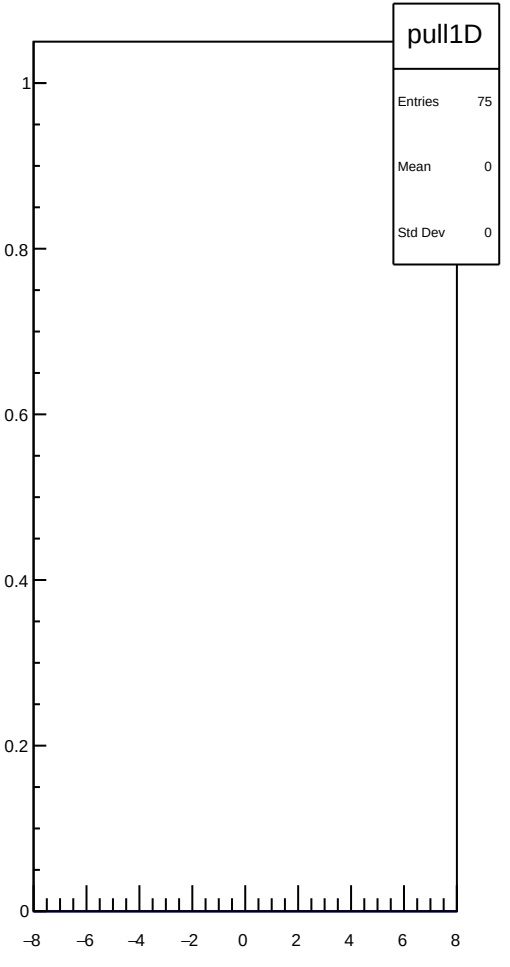

yield_bpm1i02Y_rms vs run
χ² / ndf 8053 / 74
p0 0.008289 ± 6.832e−06
0.016
0.014
0.012
0.01
0.008
0.006

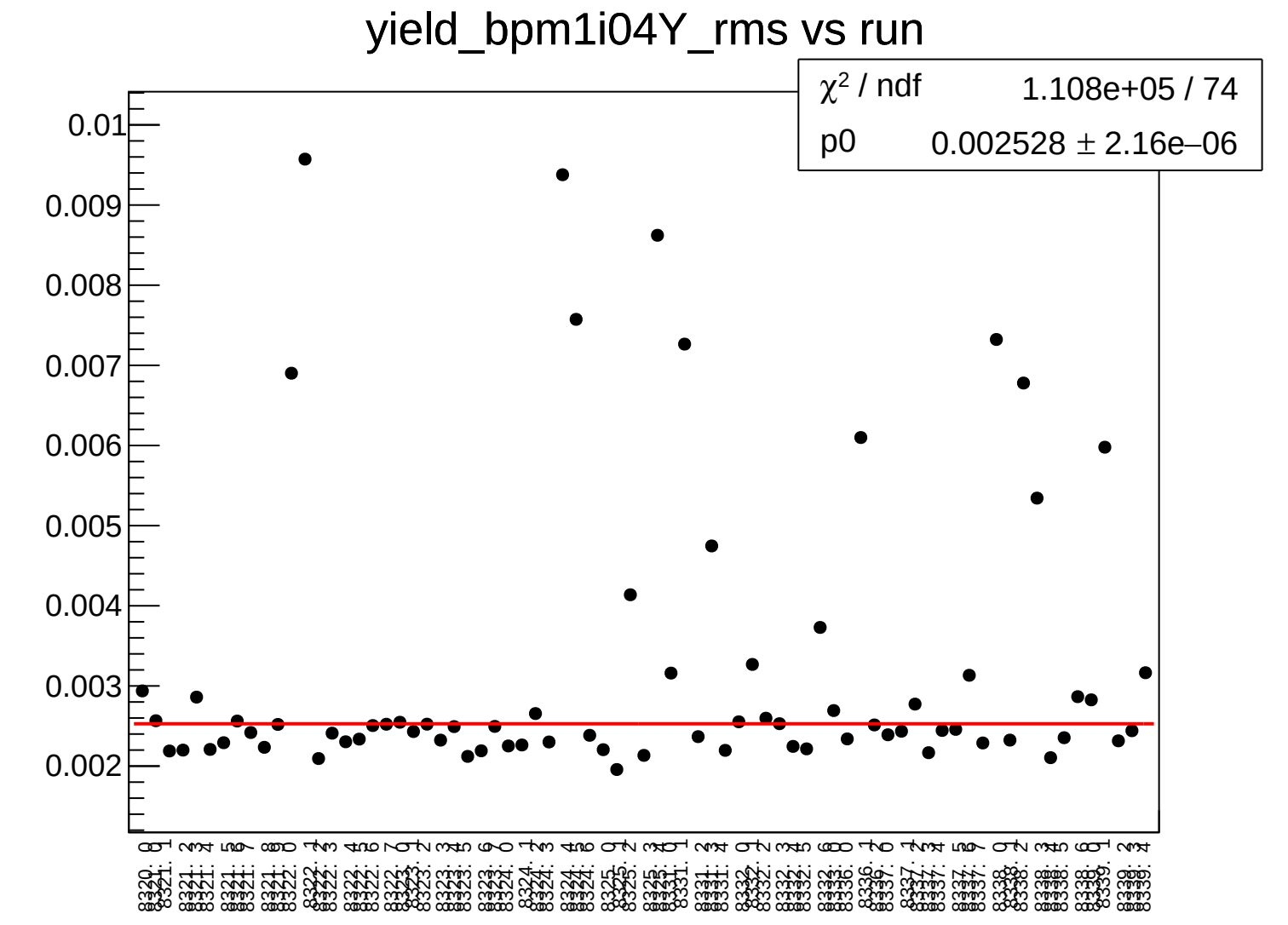

yield_bpm1i04X_mean vs run
χ² / ndf 2.623e+06 / 74
p0 0.06889 ± 1.415e−05
0.14
0.12
0.1
0.08
0.06
0.04
pull
Entries 75
Mean 1015
Std Dev 0
600
500
400
300
200
100
0
−100
−200
−300

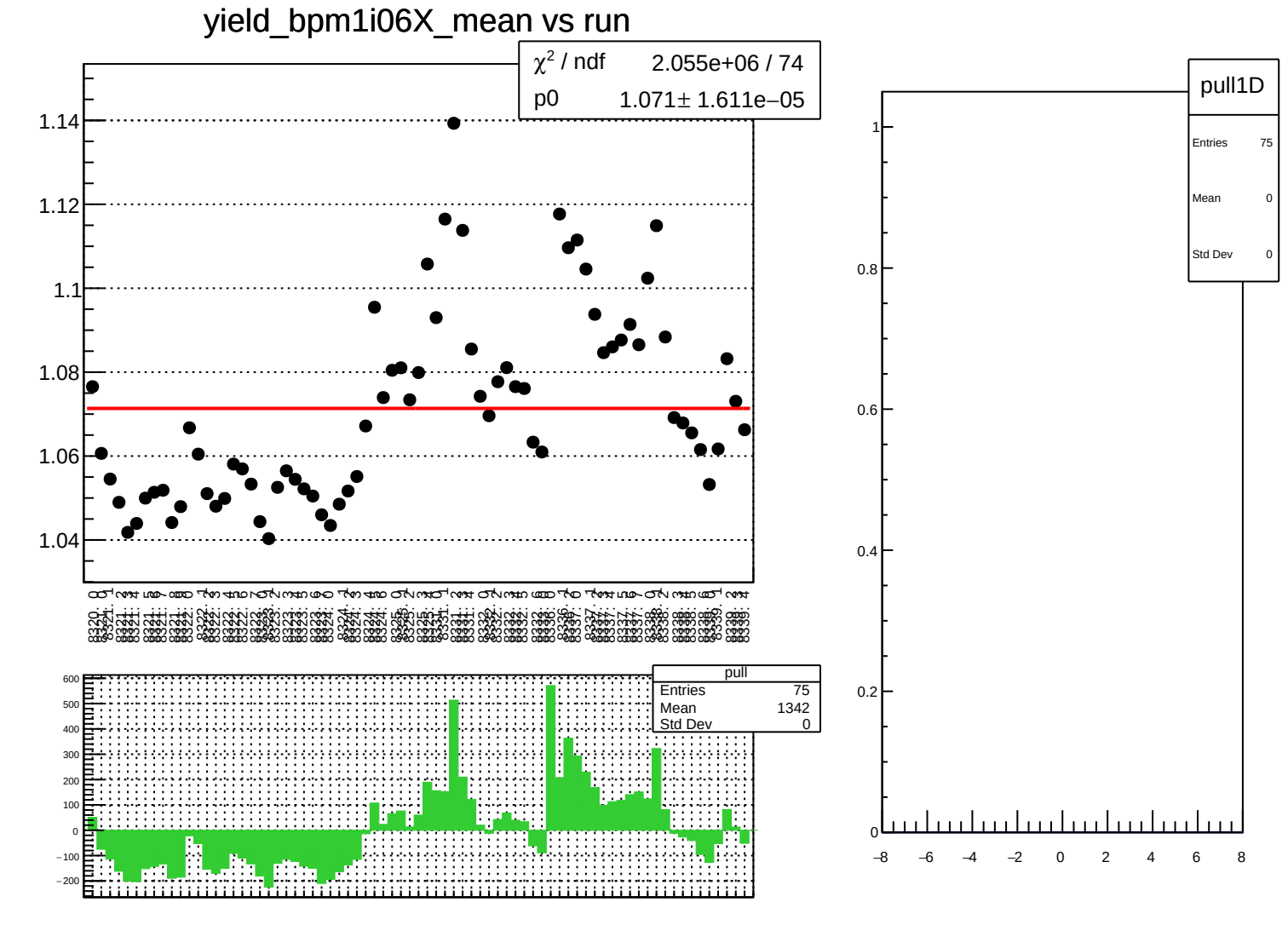

pull1D
Entries 75
Mean −5.394
Std Dev 1.489
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

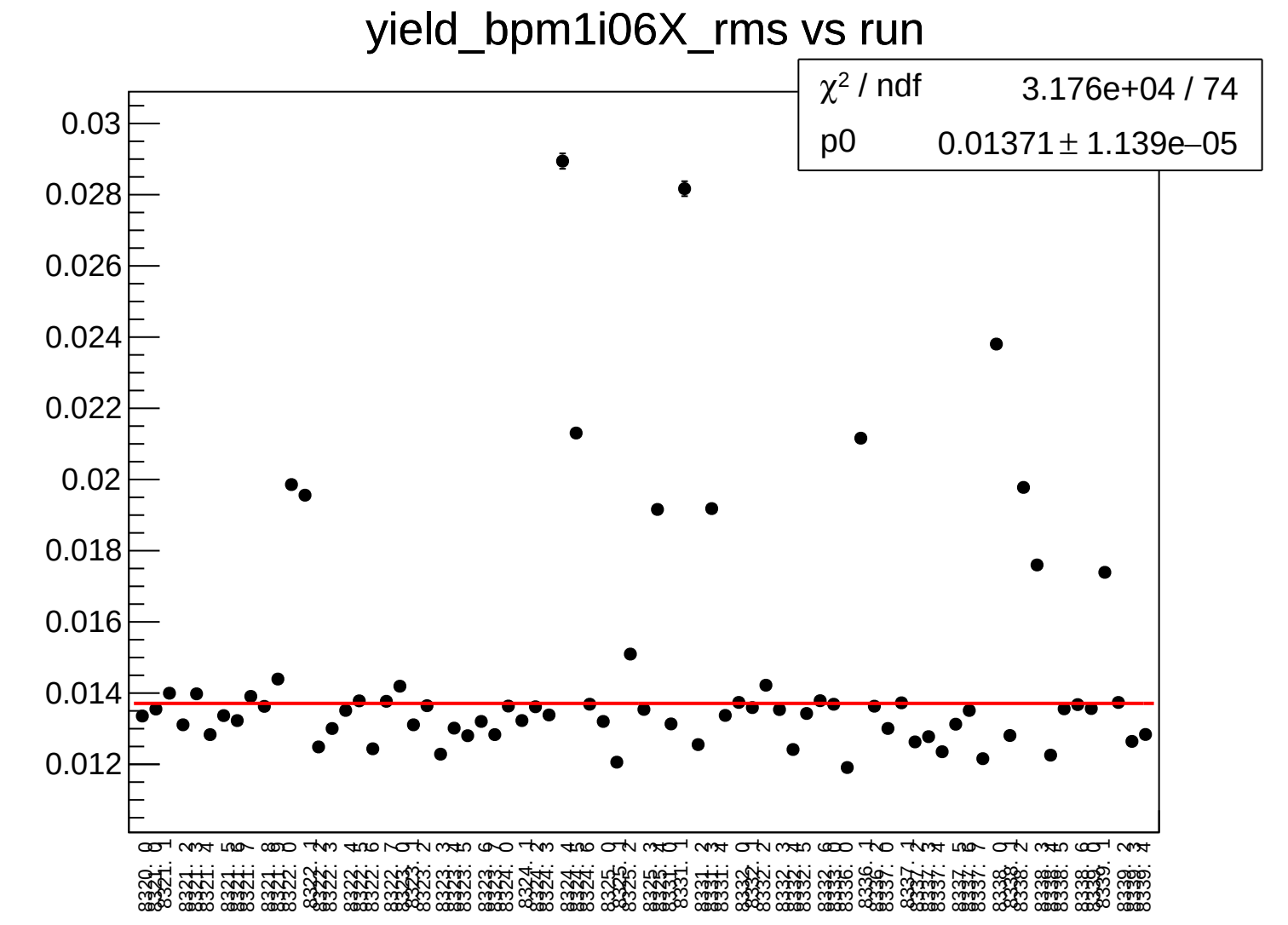

yield_bpm1i04X_rms vs run
χ² / ndf 2.217e+04 / 74
p0 0.01209 ± 1.001e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

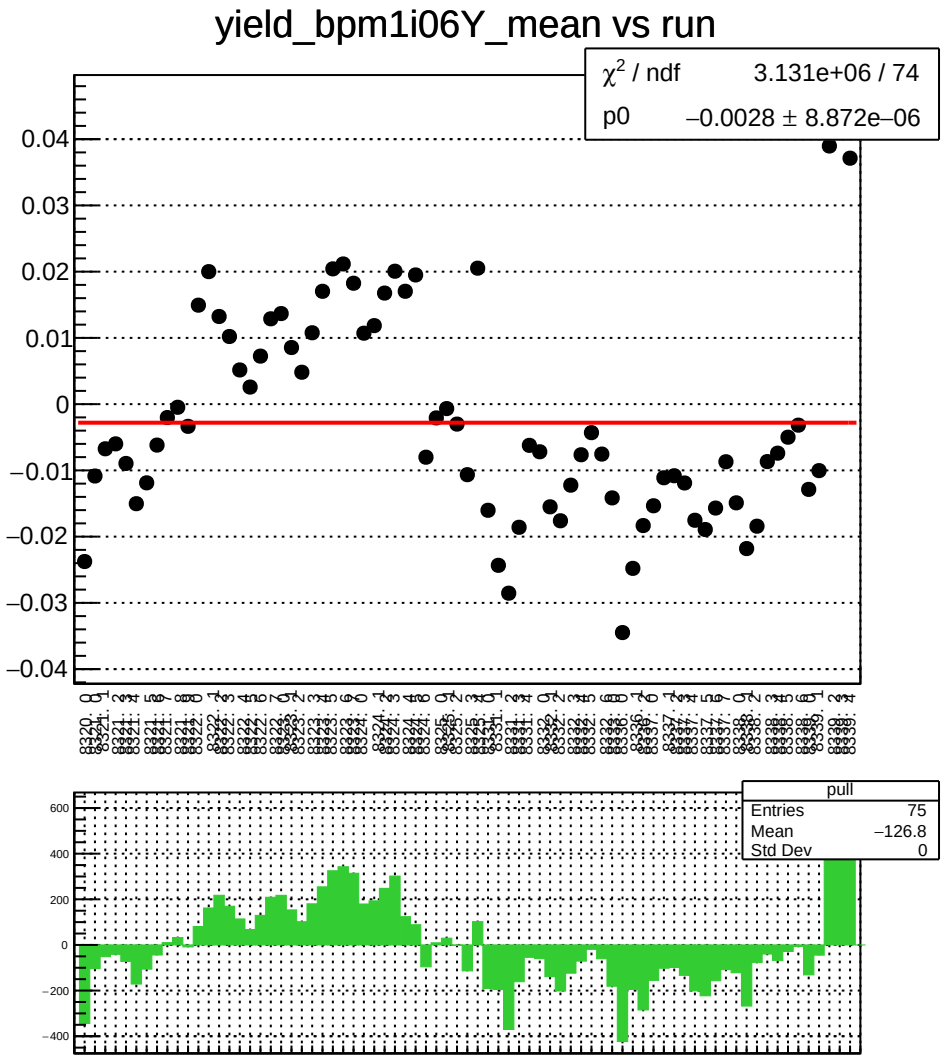

yield_bpm1i04Y_mean vs run
χ² / ndf 6.791e+06 / 74
p0 0.9495 ± 3.055e−06
0.975
0.97
0.965
0.96
0.955
0.95
0.945
0.94
0.935
pull
Entries 75
Mean −777.9
Std Dev 0
800
600
400
200
0
−200
−400
−600

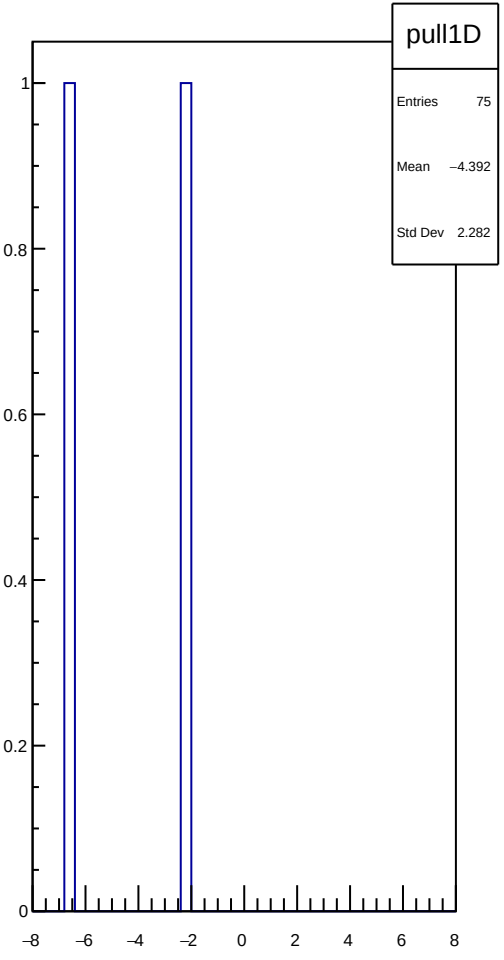

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

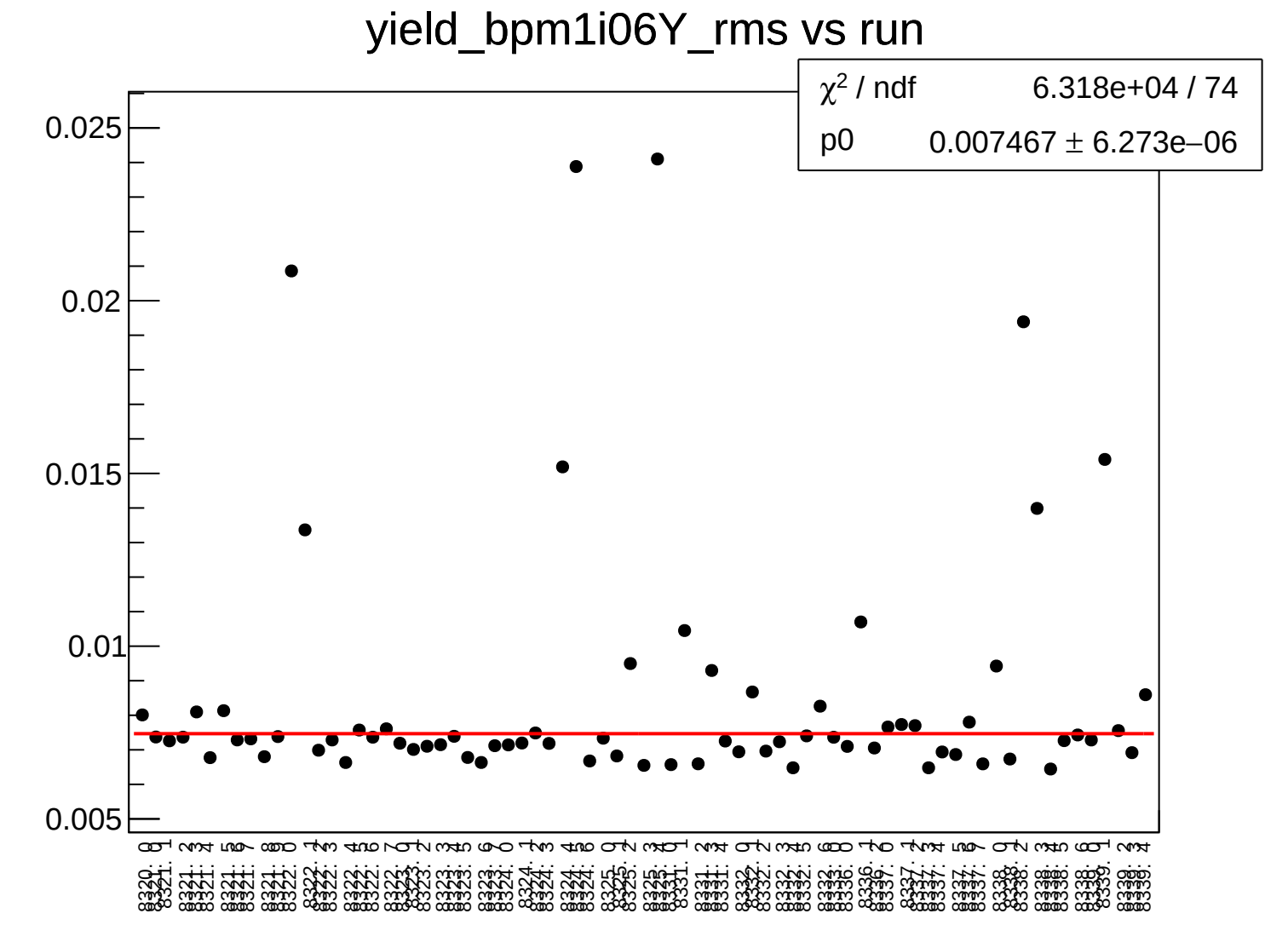

yield_bpm1i04Y_rms vs run
χ² / ndf 1.108e+05 / 74
p0 0.002528 ± 2.16e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

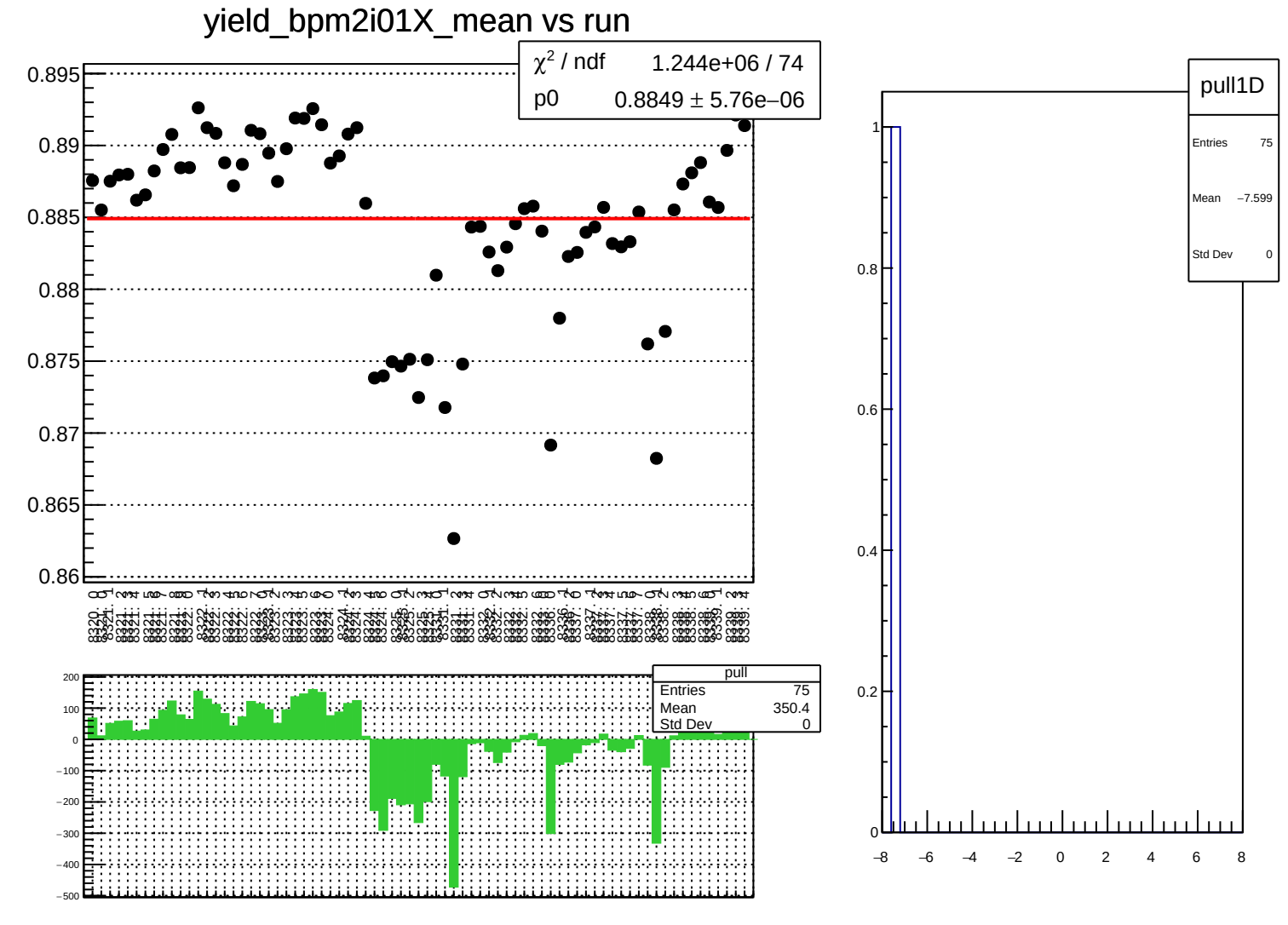

yield_bpm1i06X_mean vs run
χ² / ndf 2.055e+06 / 74
p0 1.071± 1.611e−05
1.14
1.12
1.1
1.08
1.06
1.04
pull
Entries 75
Mean 1342
Std Dev 0
600
500
400
300
200
100
0
−100
−200
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

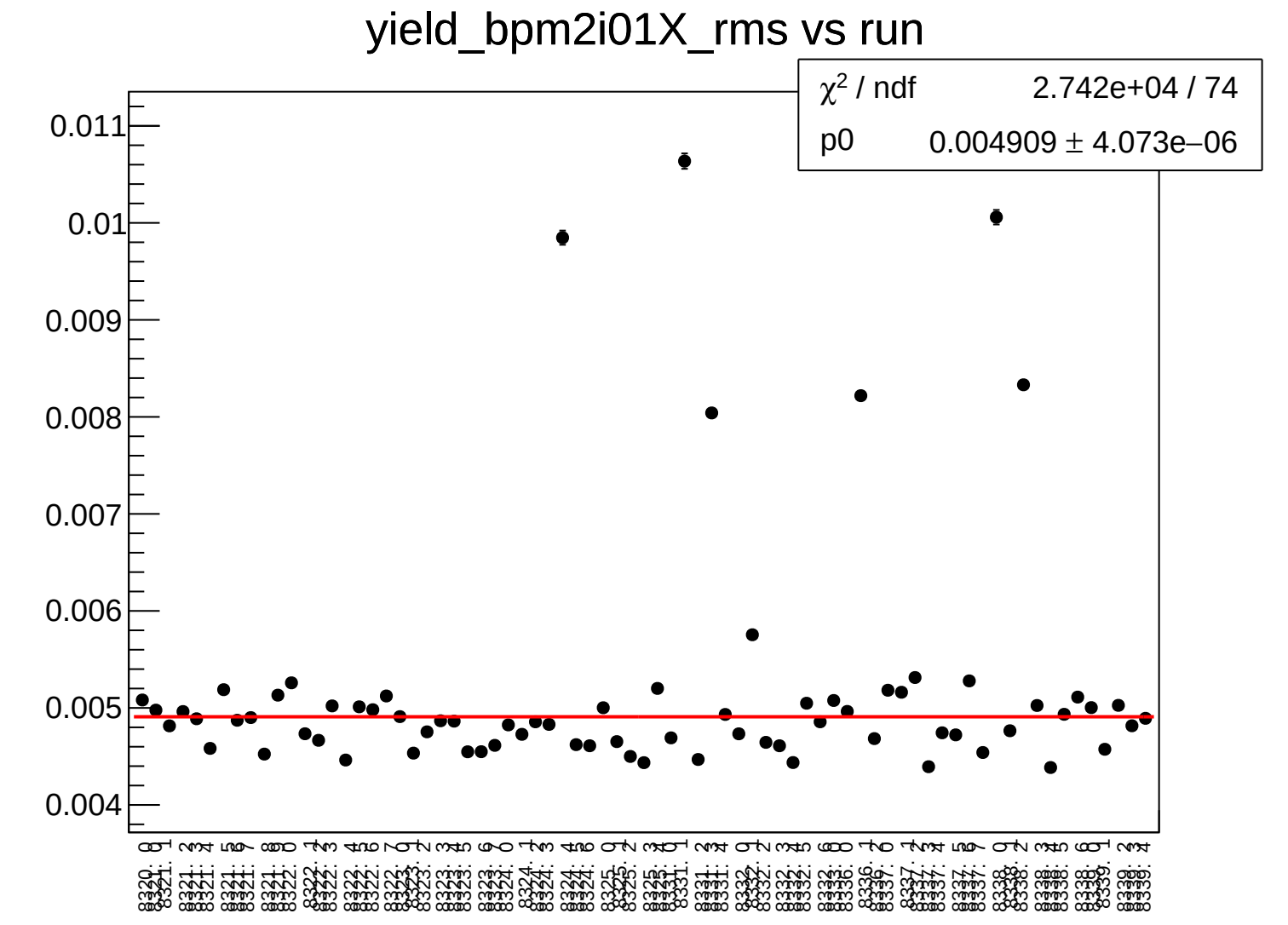

yield_bpm1i06X_rms vs run
χ² / ndf 3.176e+04 / 74
p0 0.01371 ± 1.139e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

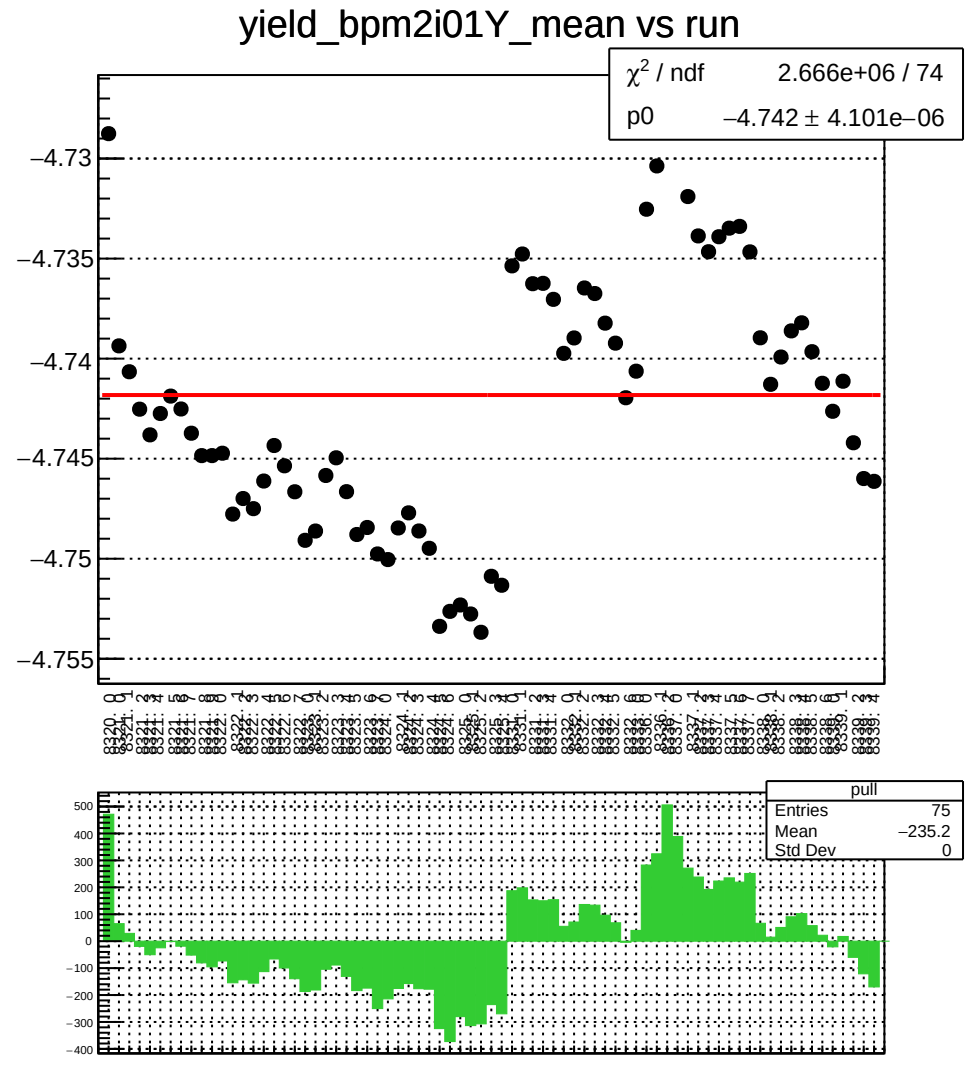

yield_bpm1i06Y_mean vs run
χ² / ndf 3.131e+06 / 74
p0 −0.0028 ± 8.872e−06
pull
Entries 75
Mean −126.8
Std Dev 0

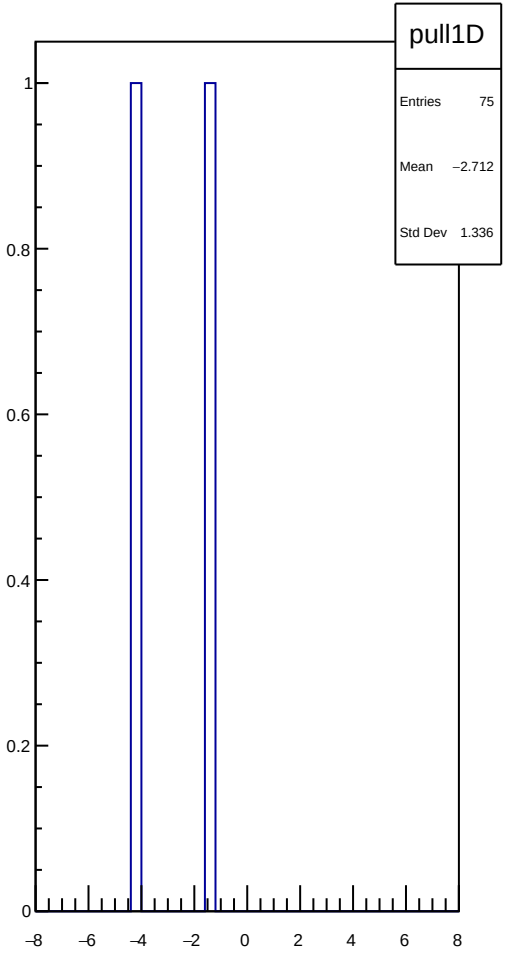

pull1D
Entries 75
Mean −4.392
Std Dev 2.282

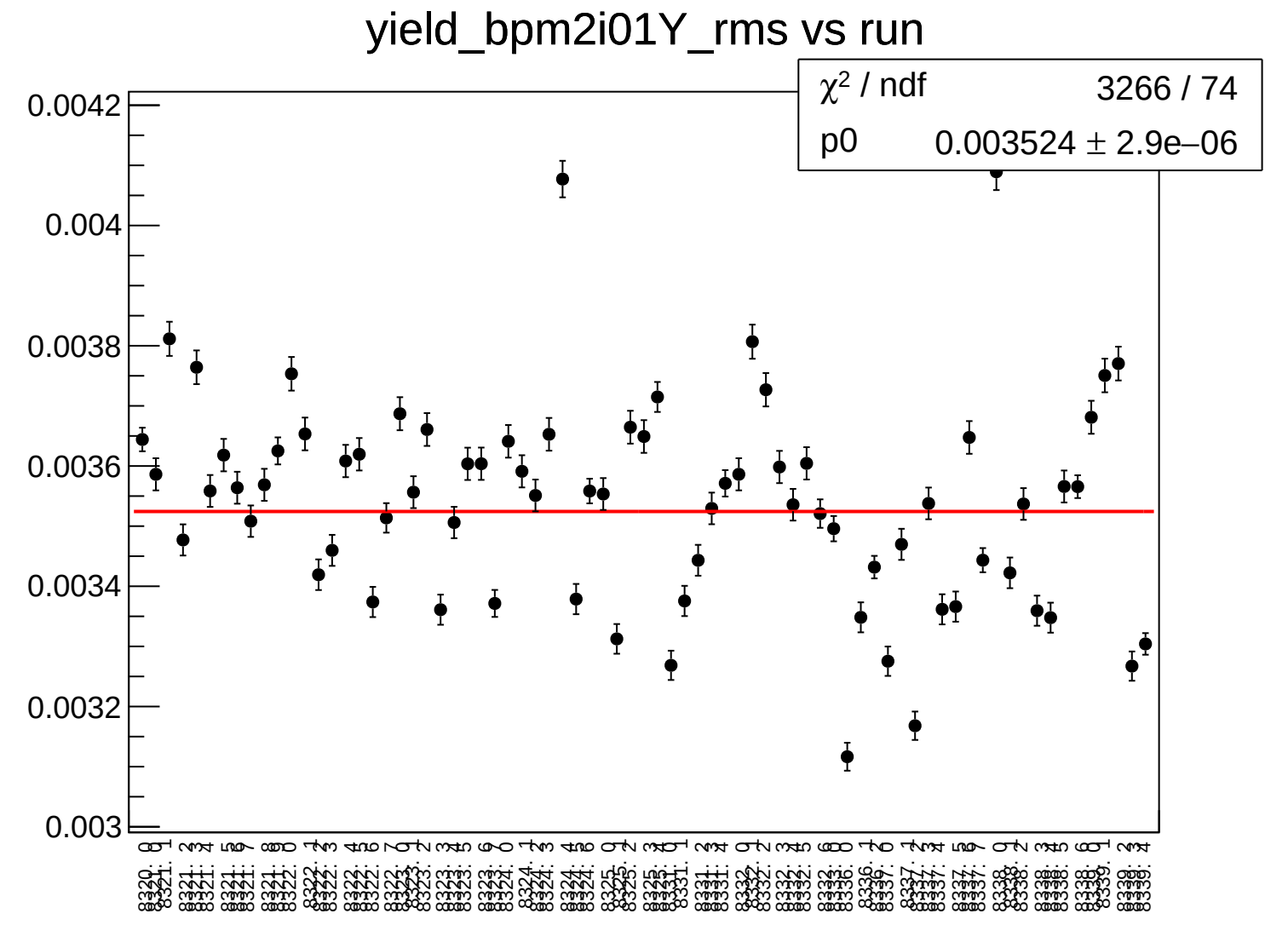

yield_bpm1i06Y_rms vs run
χ² / ndf 6.318e+04 / 74
p0 0.007467 ± 6.273e−06
0.025
0.02
0.015
0.01
0.005

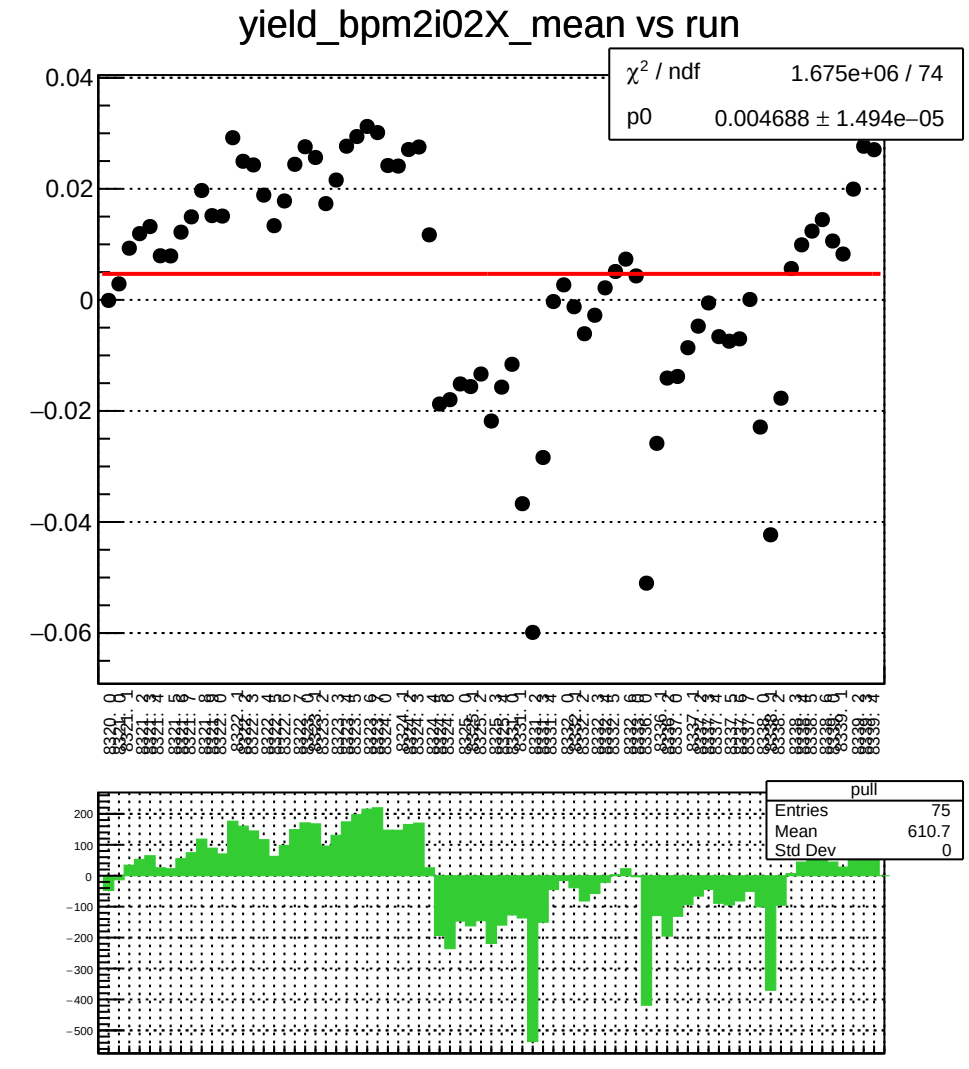

yield_bpm2i01X_mean vs run
χ² / ndf 1.244e+06 / 74
p0 0.8849 ± 5.76e−06
pull
Entries 75
Mean 350.4
Std Dev 0
pull1D
Entries 75
Mean −7.599
Std Dev 0

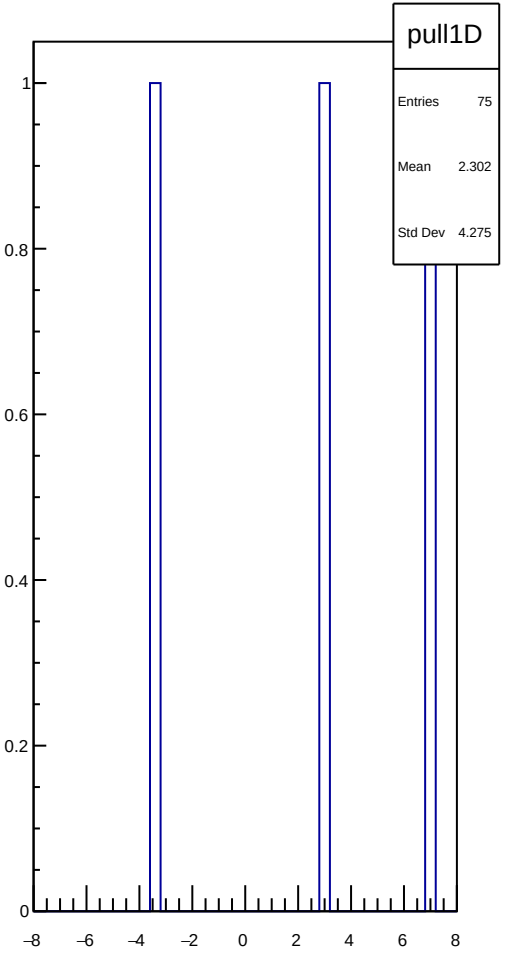

yield_bpm2i01X_rms vs run
χ² / ndf 2.742e+04 / 74
p0 0.004909 ± 4.073e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

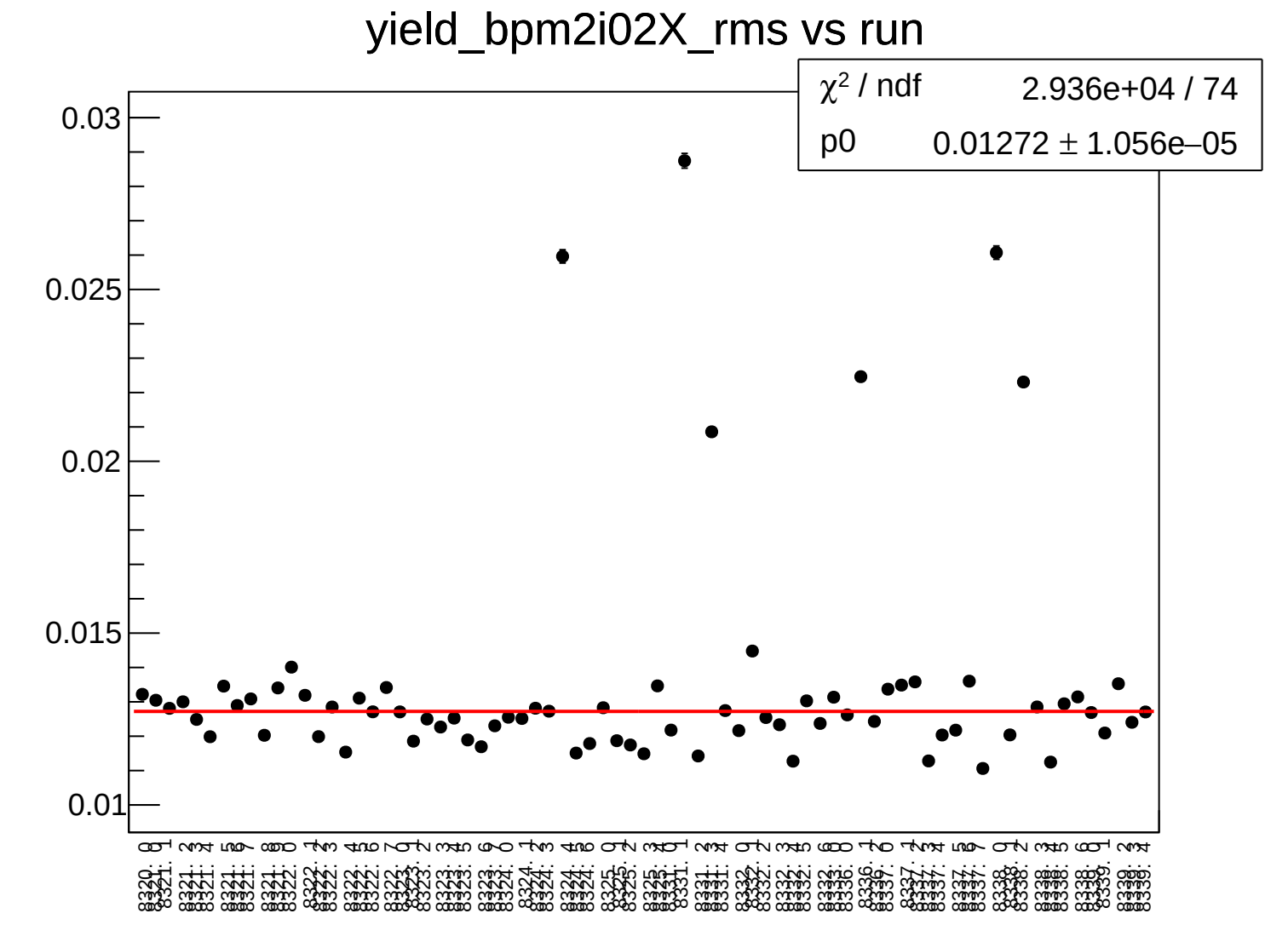

yield_bpm2i01Y_mean vs run
χ² / ndf 2.666e+06 / 74
p0 −4.742 ± 4.101e−06
−4.73
−4.735
−4.74
−4.745
−4.75
−4.755
pull
Entries 75
Mean −235.2
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

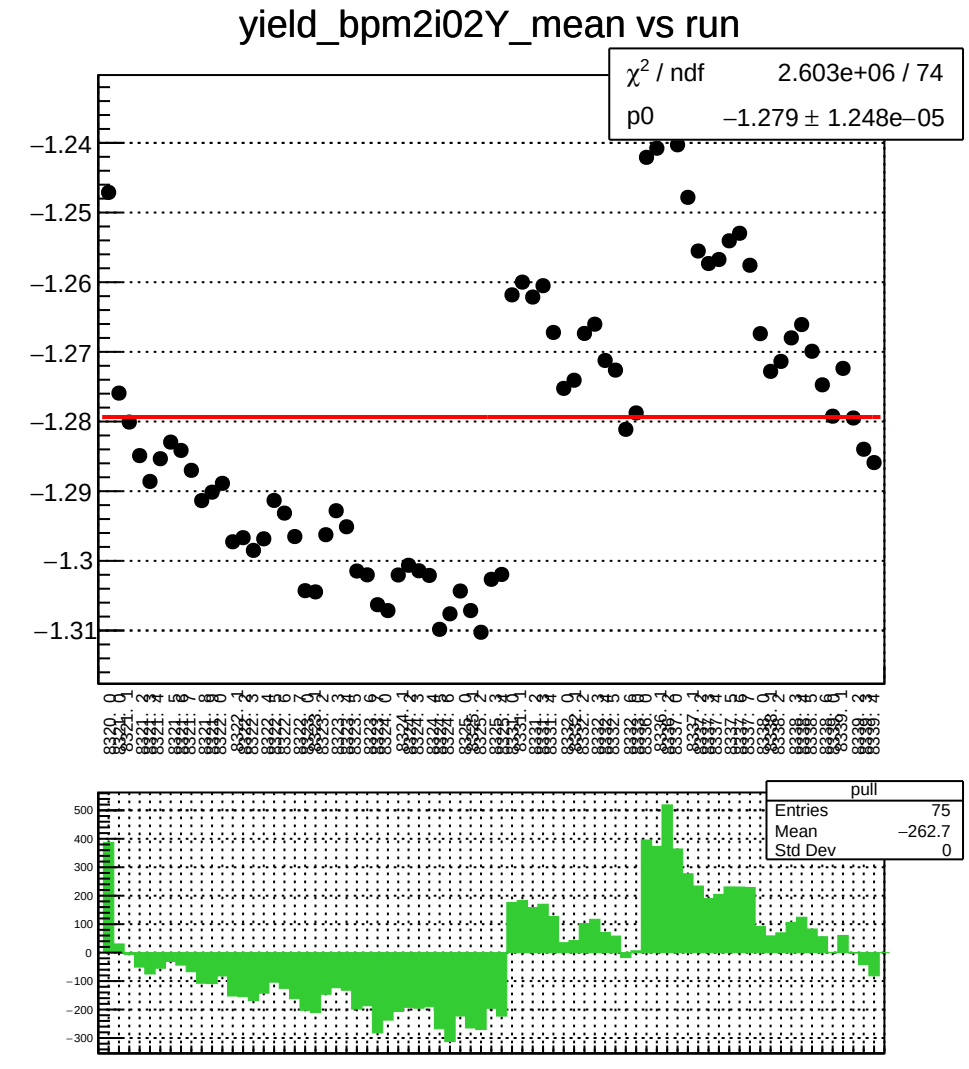

pull1D
Entries 75
Mean −2.712
Std Dev 1.336
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

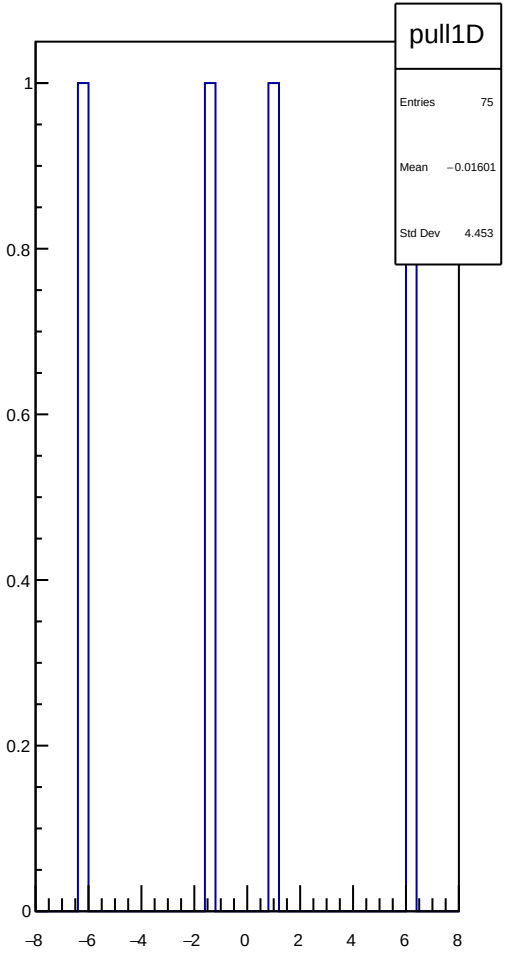

yield_bpm2i01Y_rms vs run
χ² / ndf 3266 / 74
p0 0.003524 ± 2.9e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003

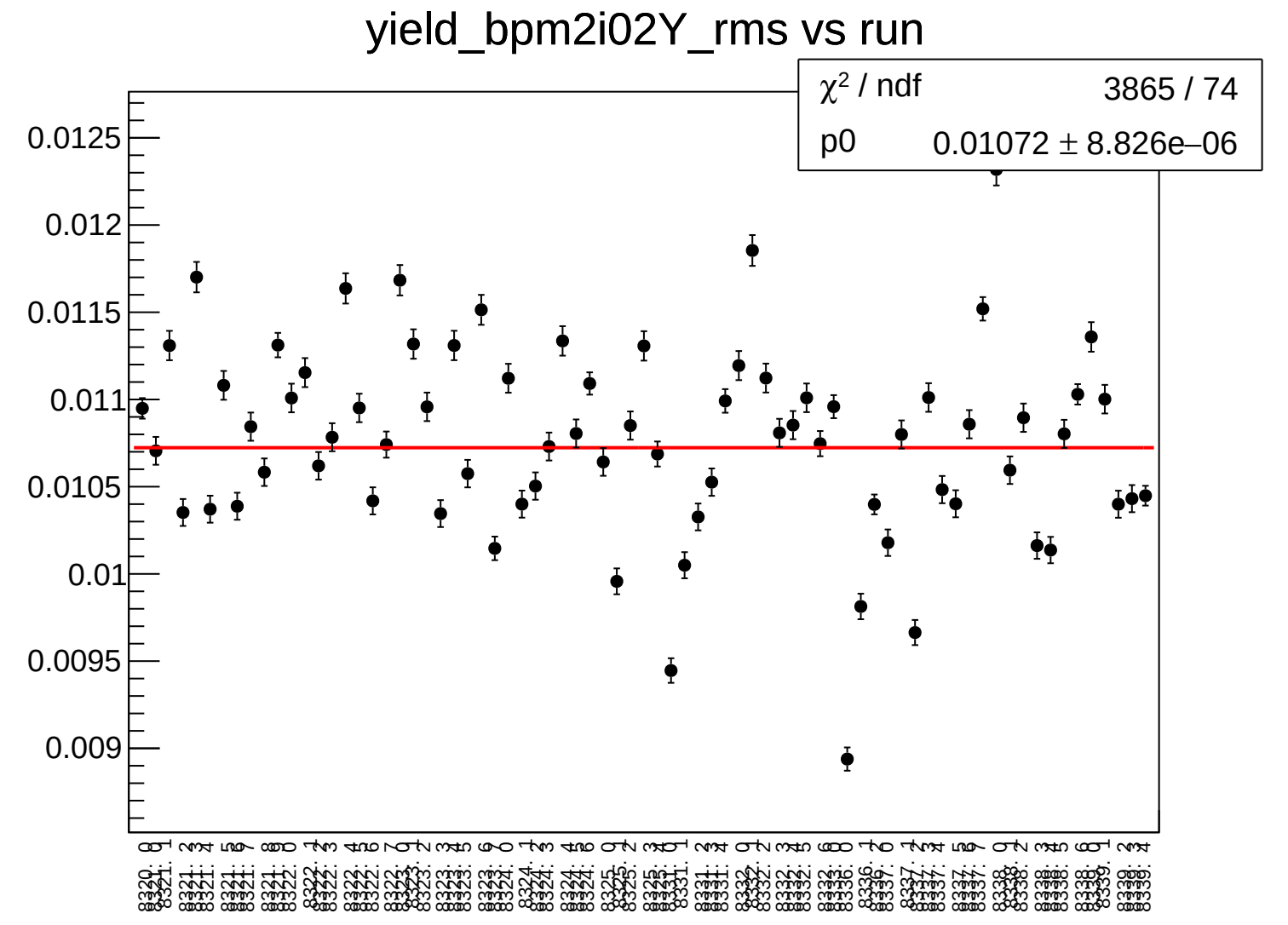

yield_bpm2i02X_mean vs run
χ² / ndf 1.675e+06 / 74
p0 0.004688 ± 1.494e−05
pull
Entries 75
Mean 610.7
Std Dev 0

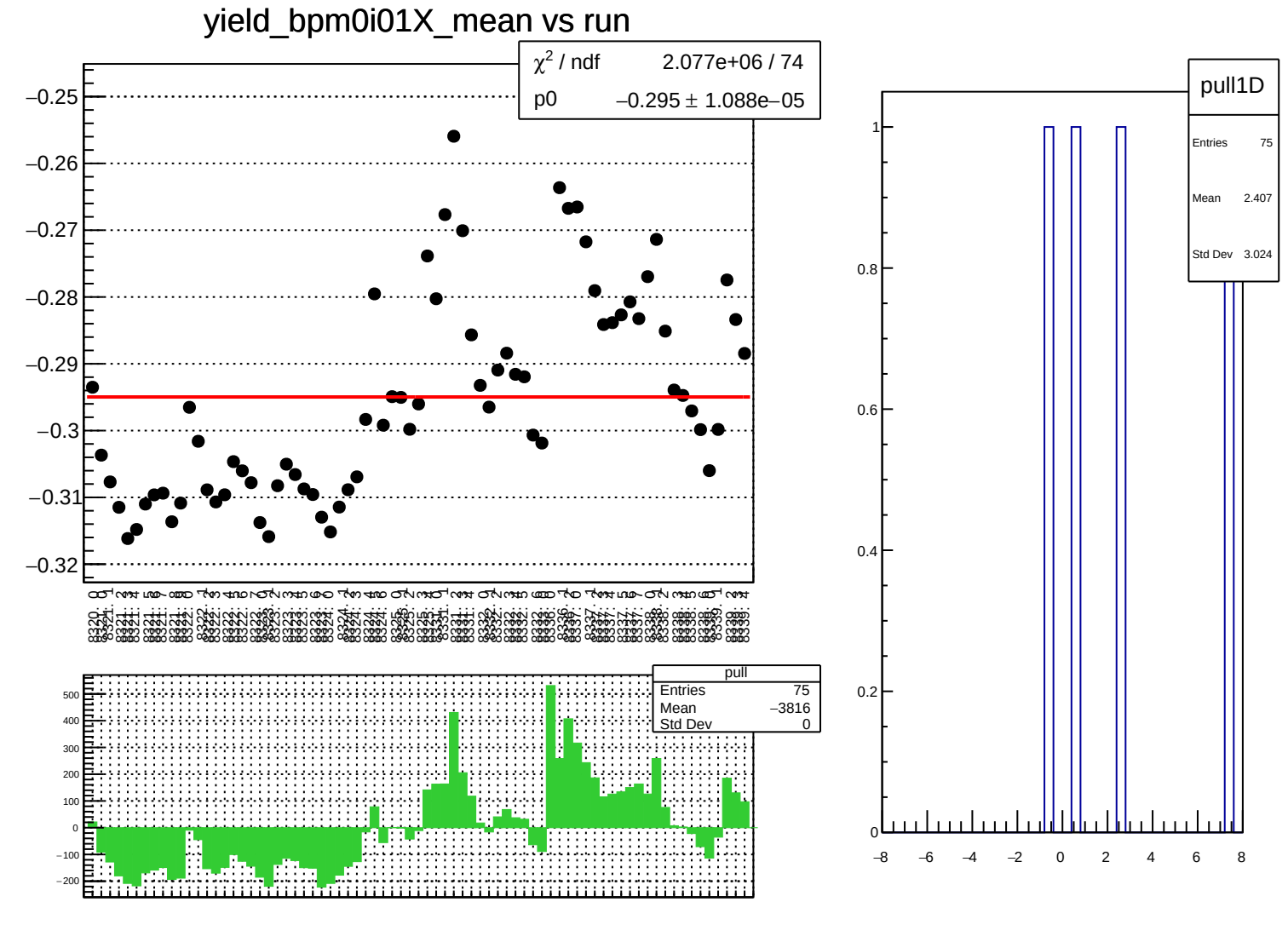

pull1D
Entries 75
Mean 2.302
Std Dev 4.275

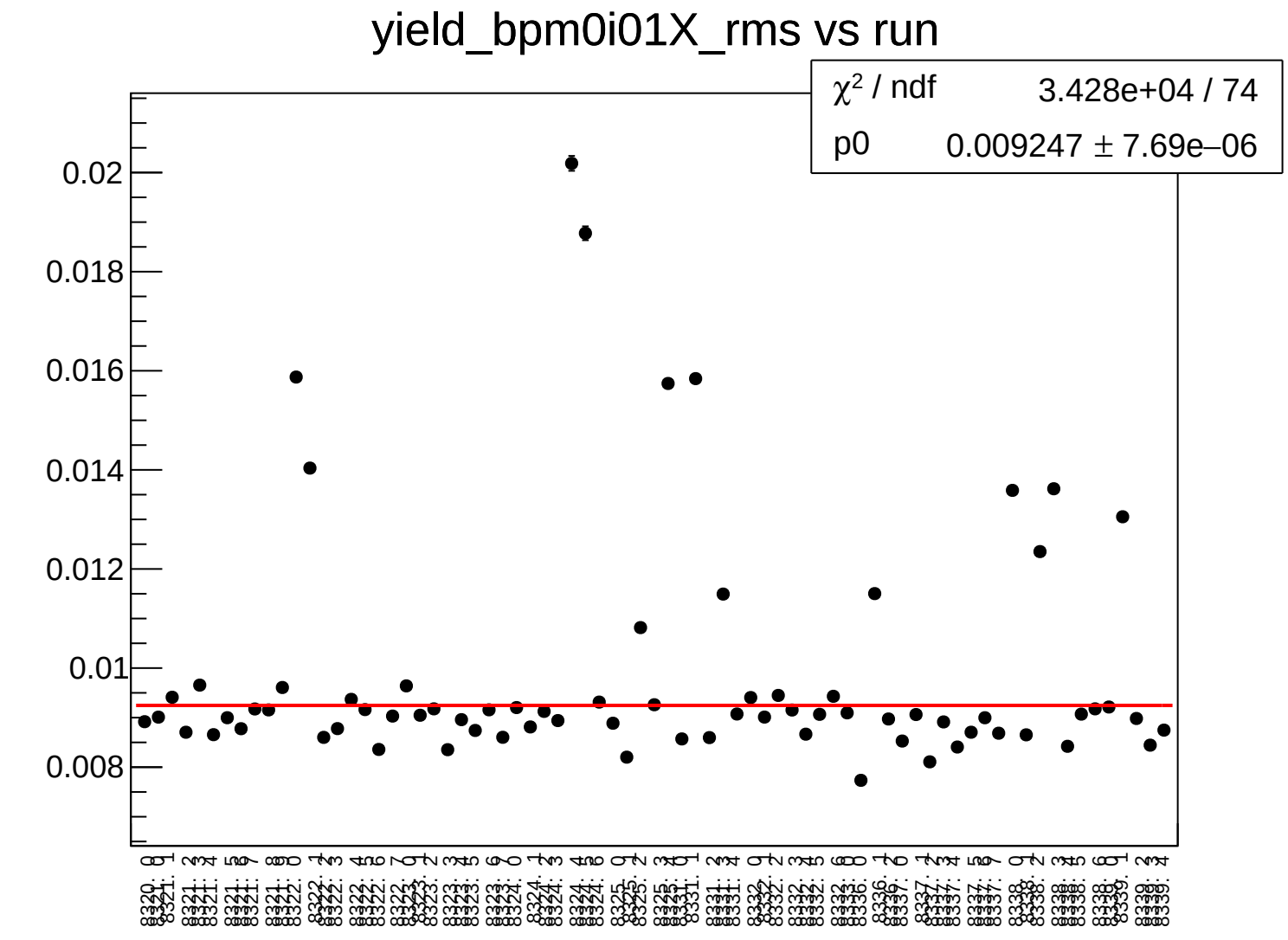

yield_bpm2i02X_rms vs run
χ² / ndf 2.936e+04 / 74
p0 0.01272 ± 1.056e−05
0.03
0.025
0.02
0.015
0.01

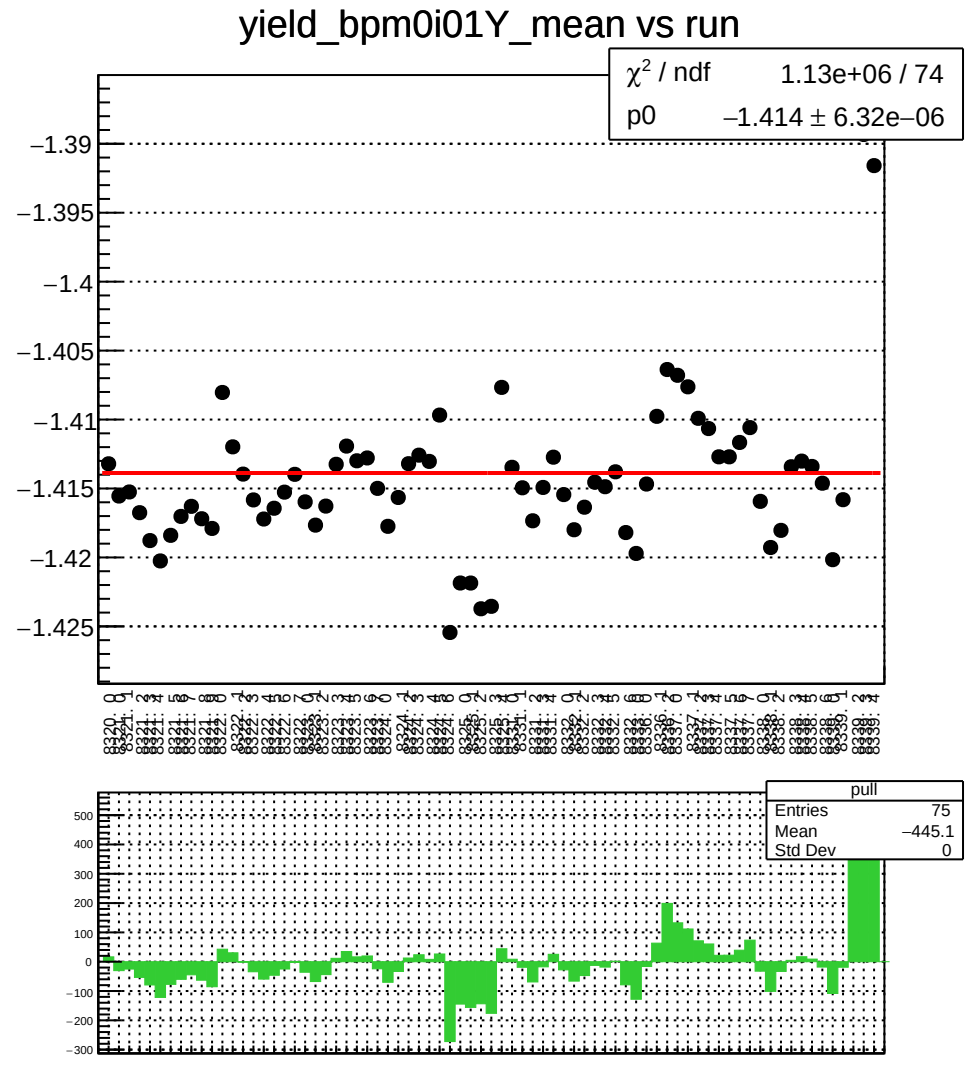

yield_bpm2i02Y_mean vs run
χ² / ndf 2.603e+06 / 74
p0 −1.279 ± 1.248e−05
−1.24
−1.25
−1.26
−1.27
−1.28
−1.29
−1.3
−1.31
pull
Entries 75
Mean −262.7
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

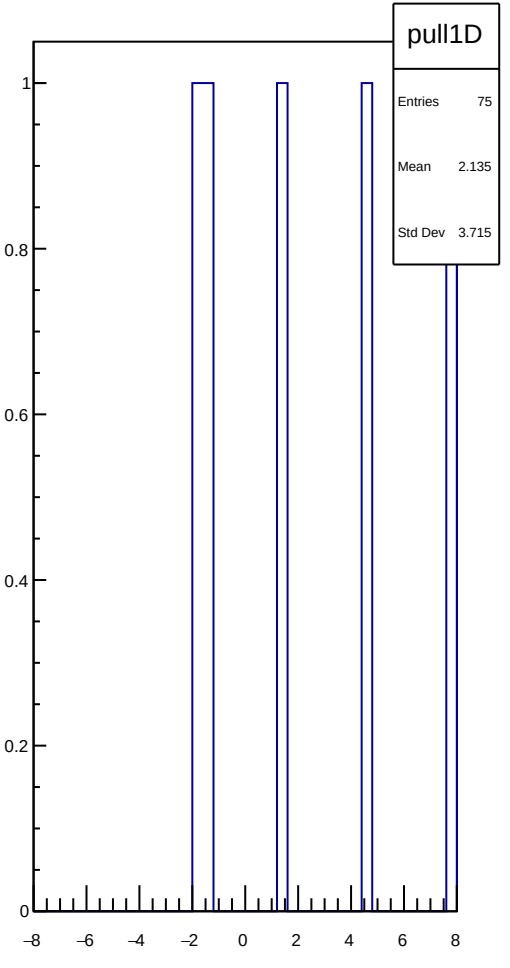

pull1D
Entries 75
Mean −0.01601
Std Dev 4.453
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

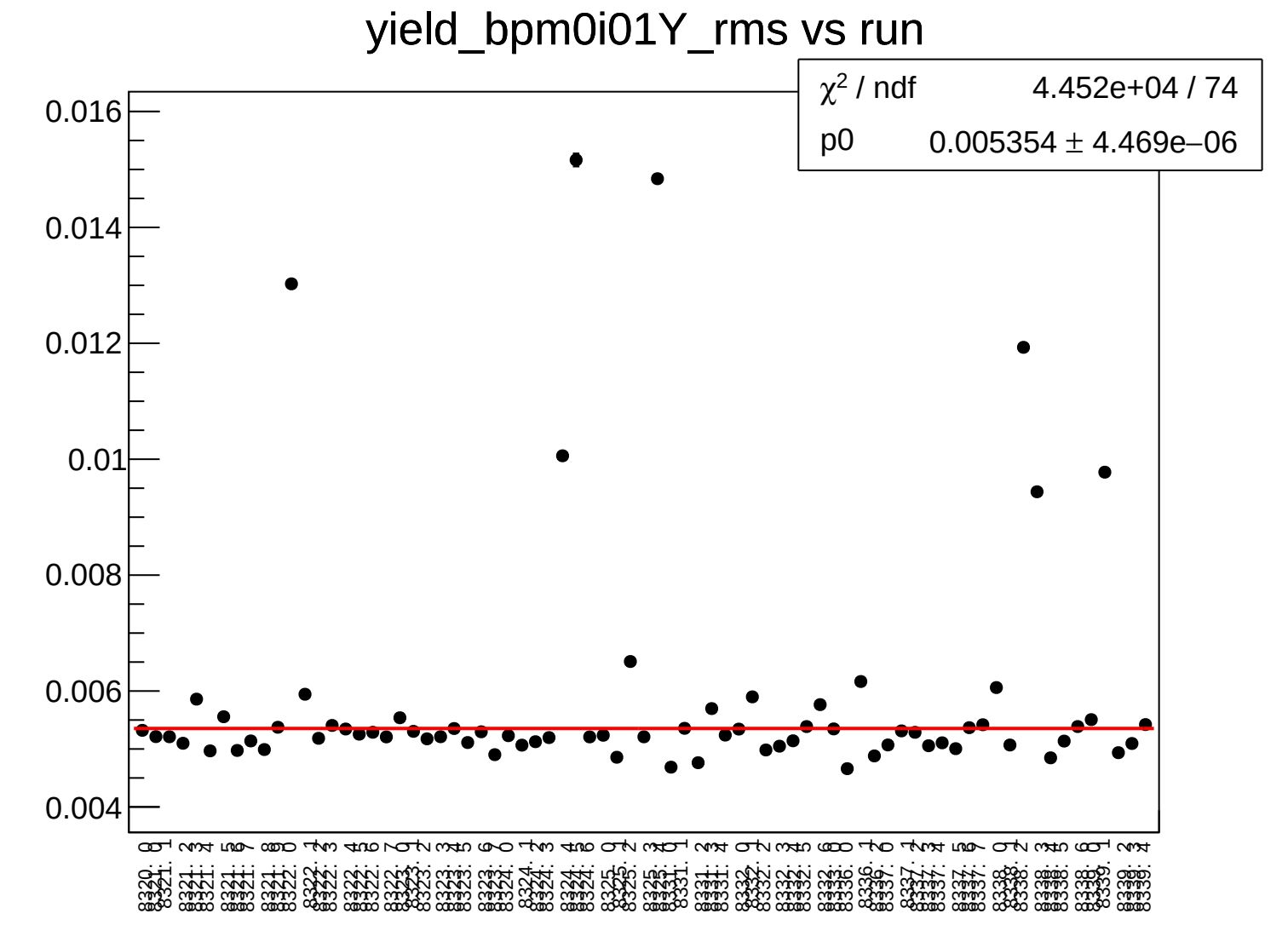

yield_bpm2i02Y_rms vs run
χ² / ndf 3865 / 74
p0 0.01072 ± 8.826e–06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

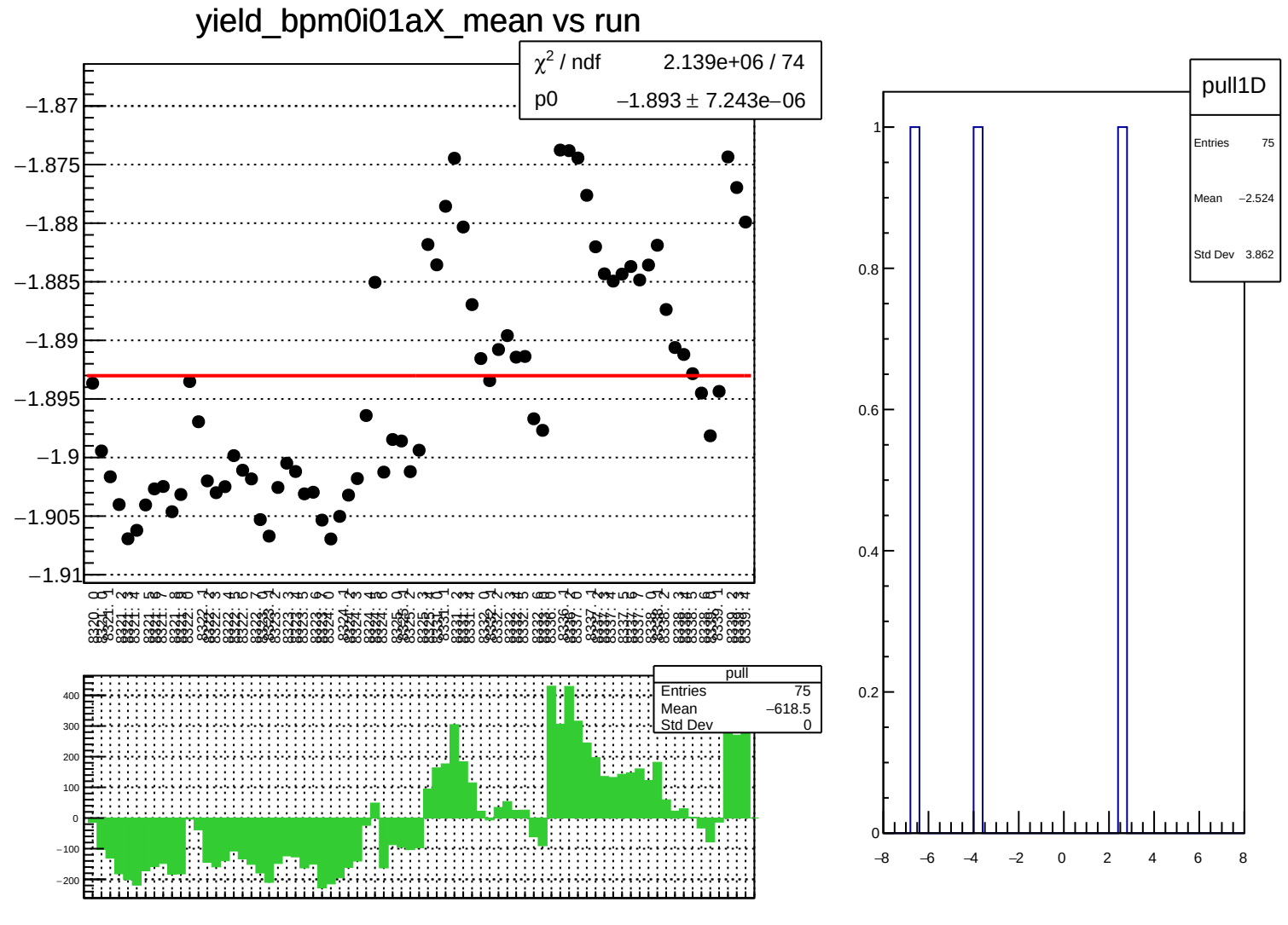

yield_bpm0i01X_mean vs run
χ² / ndf 2.077e+06 / 74
p0 −0.295 ± 1.088e−05
−0.25
−0.26
−0.27
−0.28
−0.29
−0.3
−0.31
−0.32
pull
Entries 75
Mean −3816
Std Dev 0
500
400
300
200
100
0
−100
−200
pull1D
Entries 75
Mean 2.407
Std Dev 3.024
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

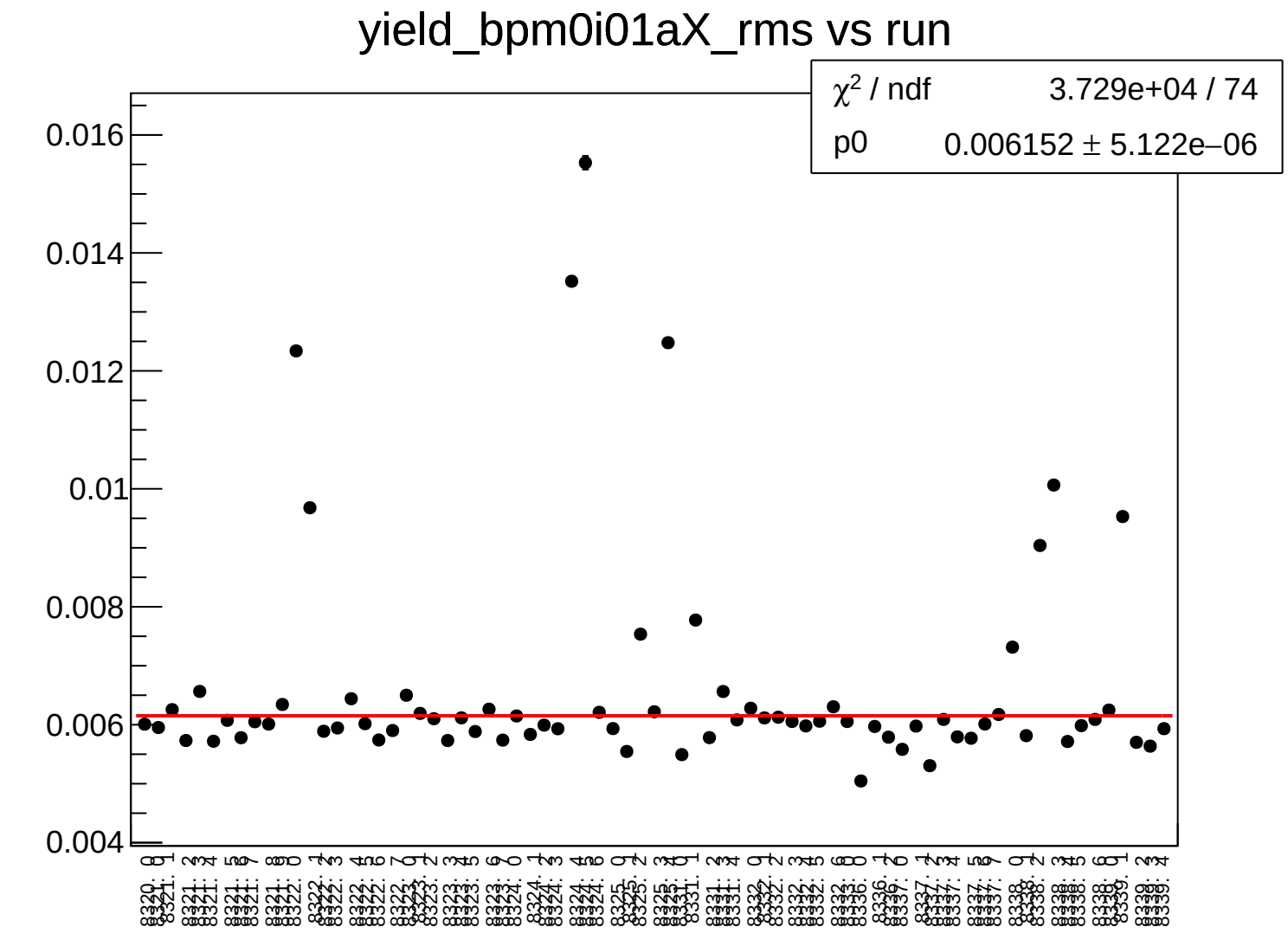

yield_bpm0i01X_rms vs run
χ² / ndf 3.428e+04 / 74
p0 0.009247 ± 7.69e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008

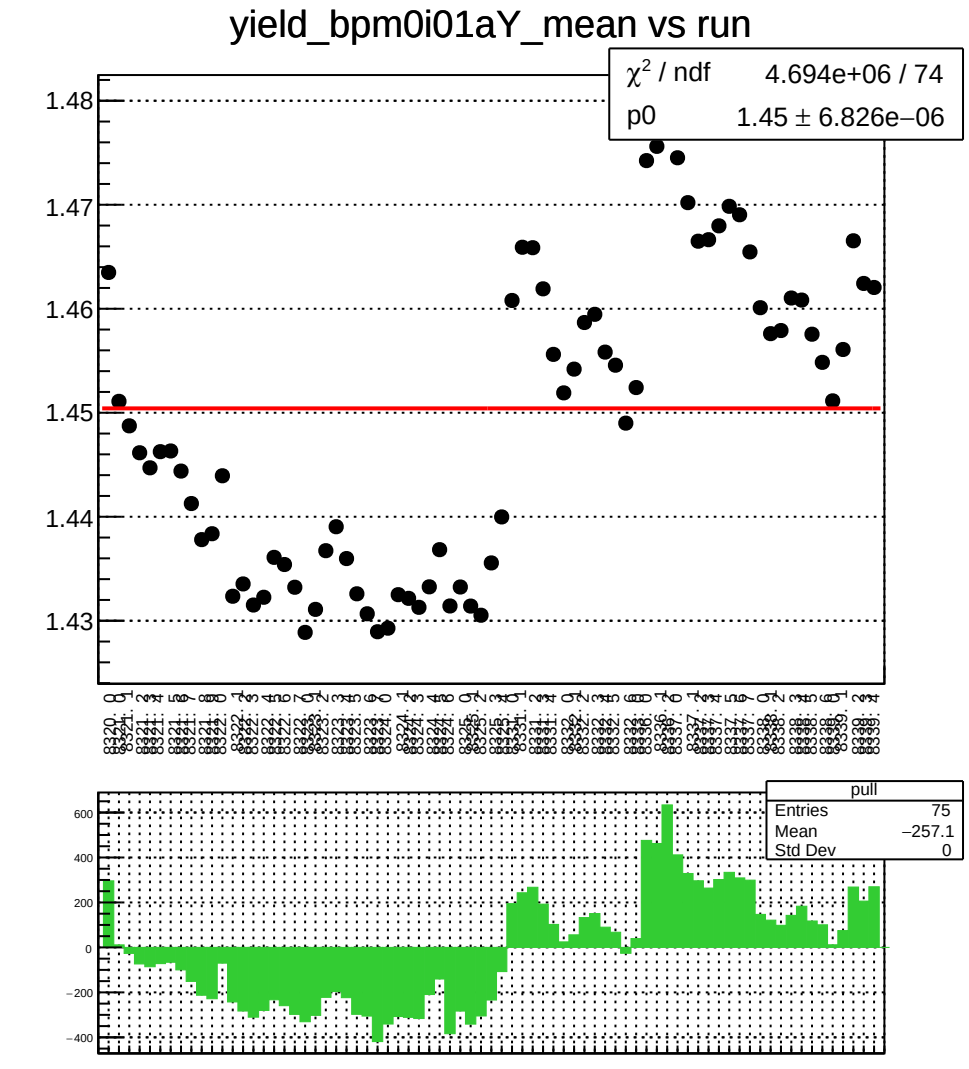

yield_bpm0i01Y_mean vs run
χ² / ndf 1.13e+06 / 74
p0 −1.414 ± 6.32e−06
−1.39
−1.395
−1.4
−1.405
−1.41
−1.415
−1.42
−1.425
pull
Entries 75
Mean −445.1
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

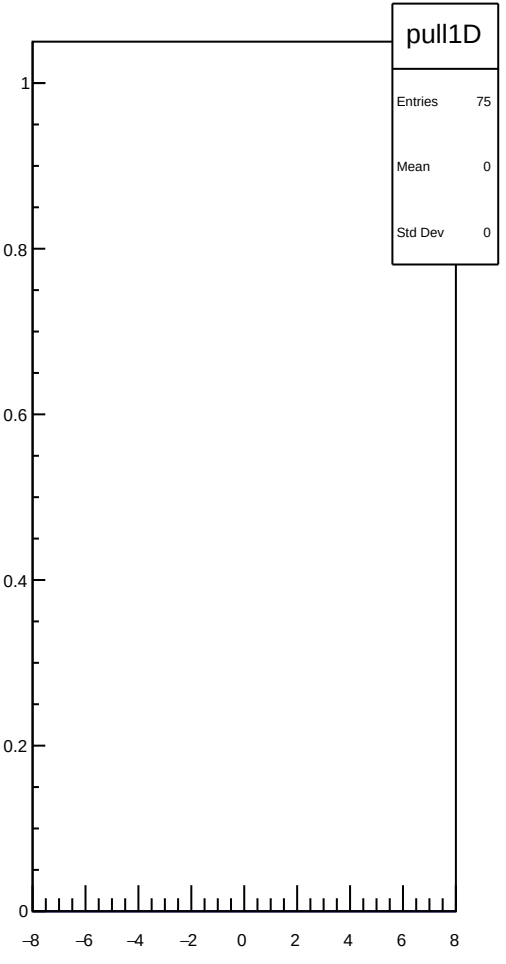

pull1D
Entries 75
Mean 2.135
Std Dev 3.715
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

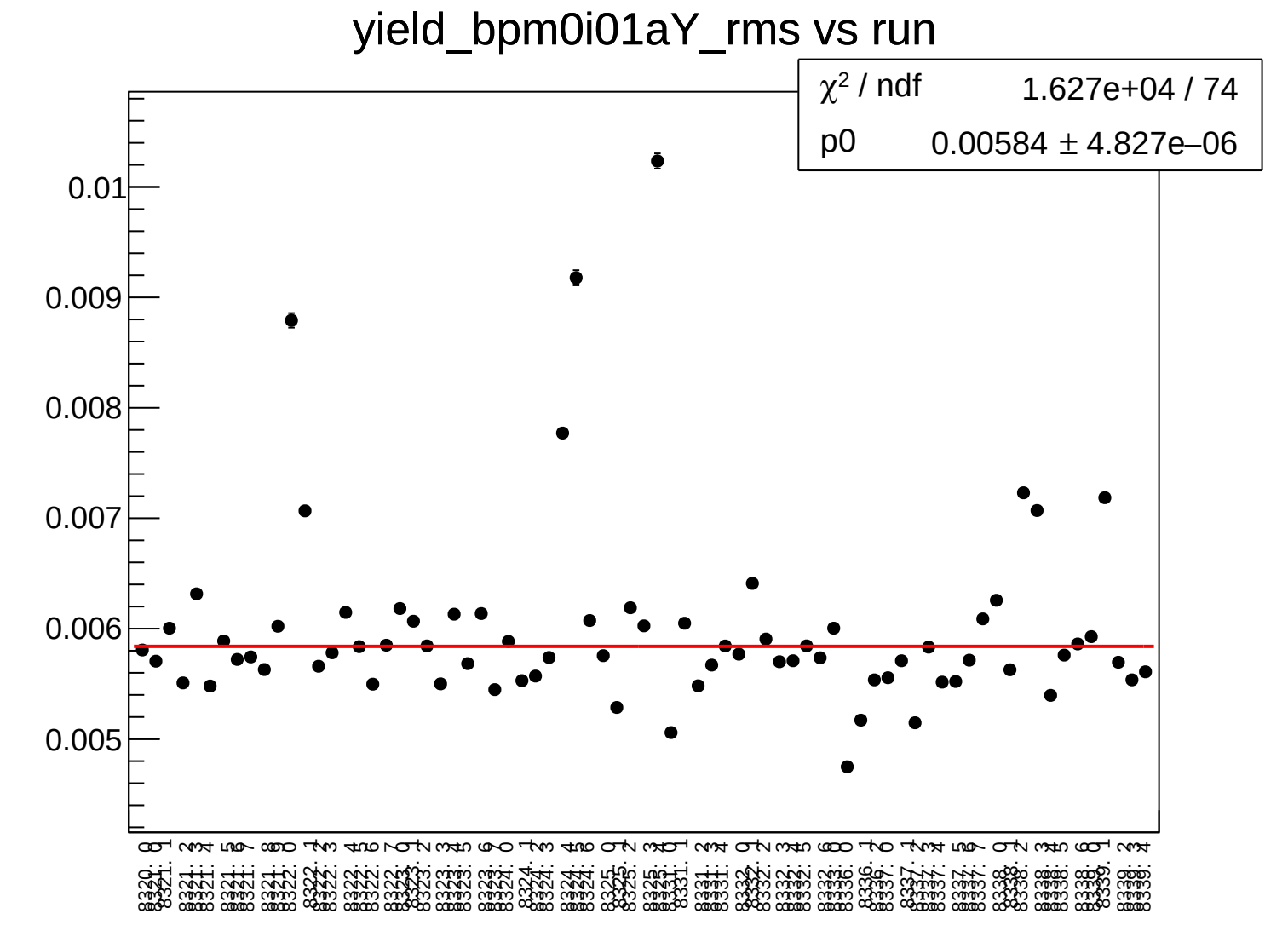

yield_bpm0i01Y_rms vs run
χ² / ndf 4.452e+04 / 74
p0 0.005354 ± 4.469e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004

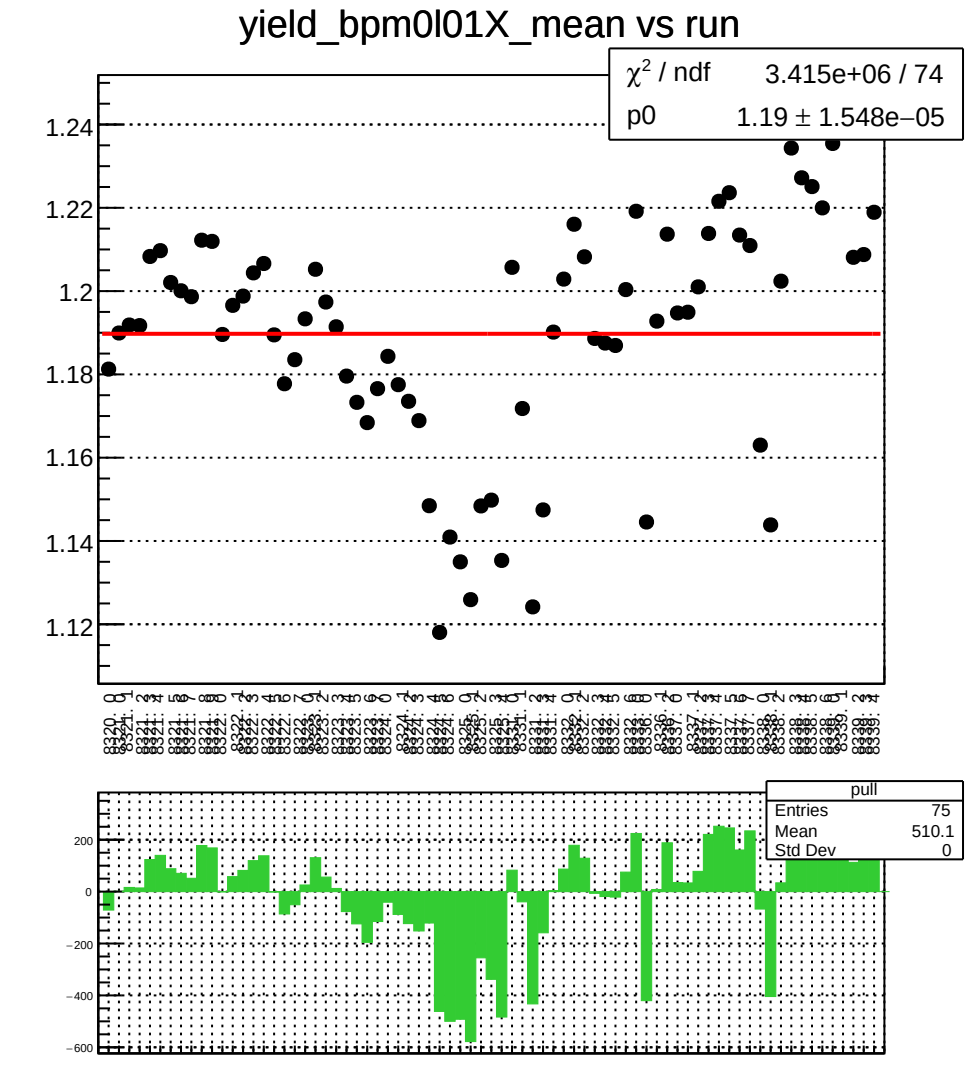

yield_bpm0i01aX_mean vs run
χ² / ndf 2.139e+06 / 74
p0 −1.893 ± 7.243e−06
−1.87
−1.875
−1.88
−1.885
−1.89
−1.895
−1.9
−1.905
−1.91
pull
Entries 75
Mean −618.5
Std Dev 0
400
300
200
100
0
−100
−200
pull1D
Entries 75
Mean −2.524
Std Dev 3.862
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

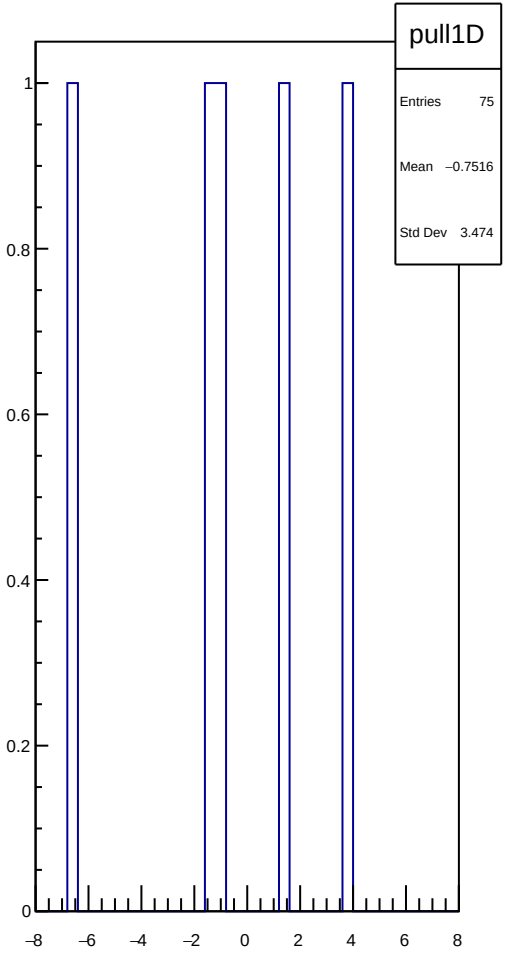

yield_bpm0i01aX_rms vs run
χ^2 / ndf 3.729e+04 / 74
p0 0.006152 ± 5.122e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004

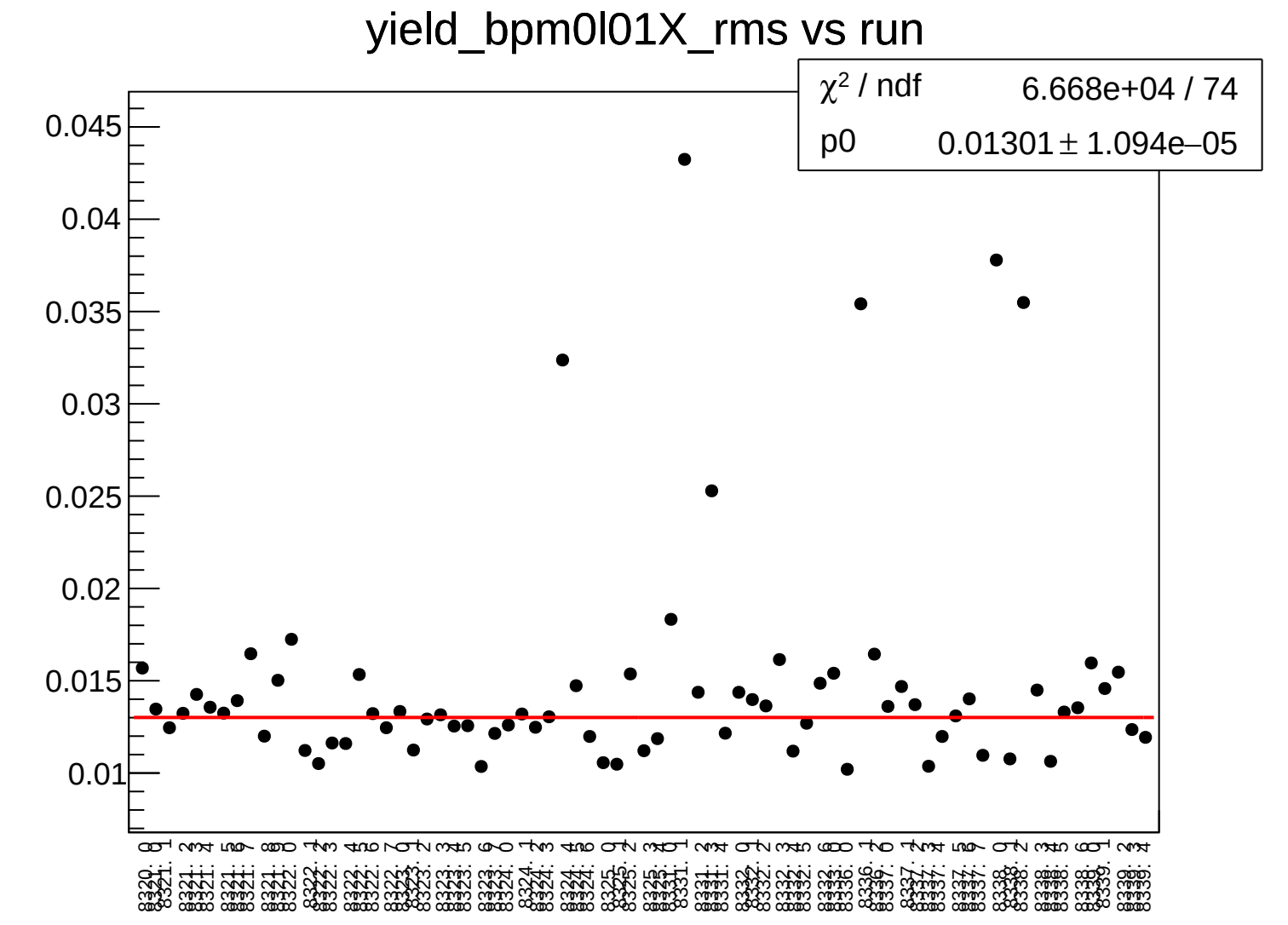

yield_bpm0i01aY_mean vs run
χ² / ndf 4.694e+06 / 74
p0 1.45 ± 6.826e−06
1.48
1.47
1.46
1.45
1.44
1.43
pull
Entries 75
Mean −257.1
Std Dev 0
600
400
200
0
−200
−400

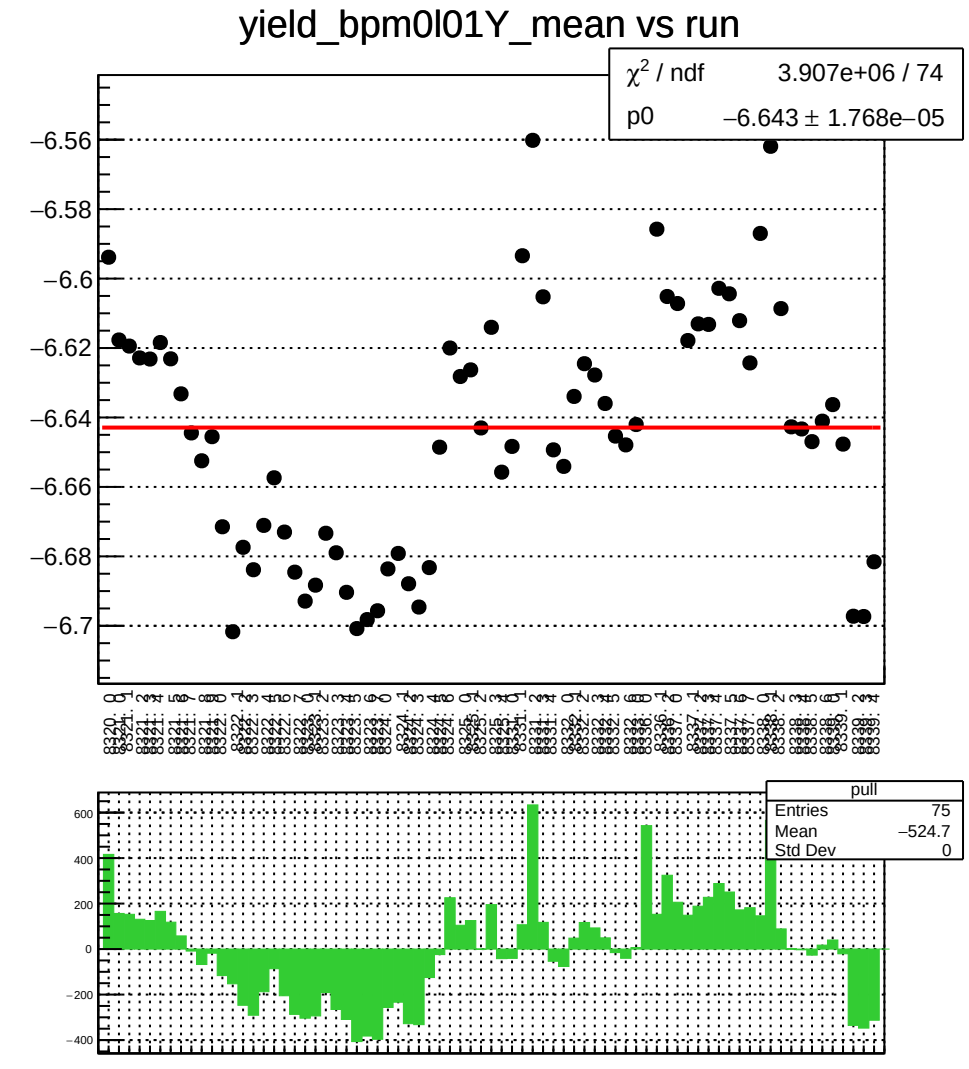

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

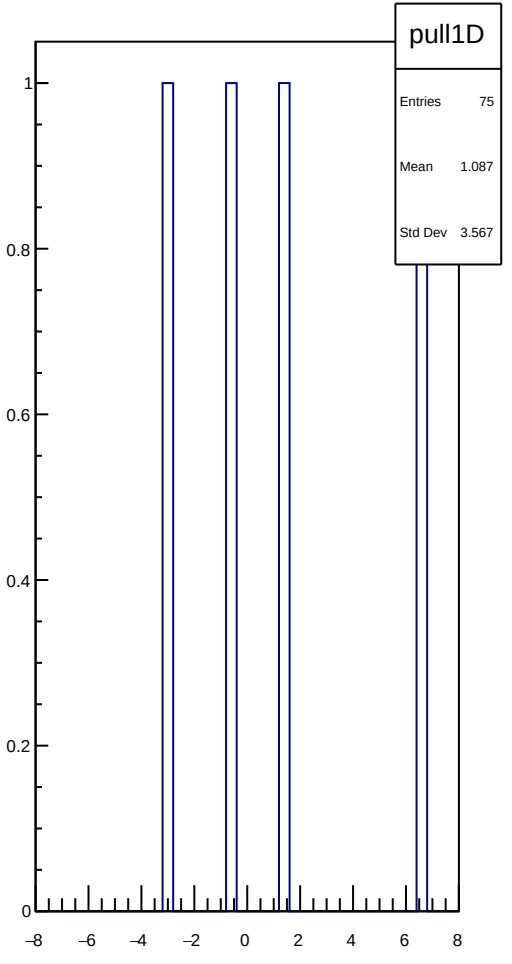

yield_bpm0i01aY_rms vs run
χ² / ndf 1.627e+04 / 74
p0 0.00584 ± 4.827e–06
0.01
0.009
0.008
0.007
0.006
0.005

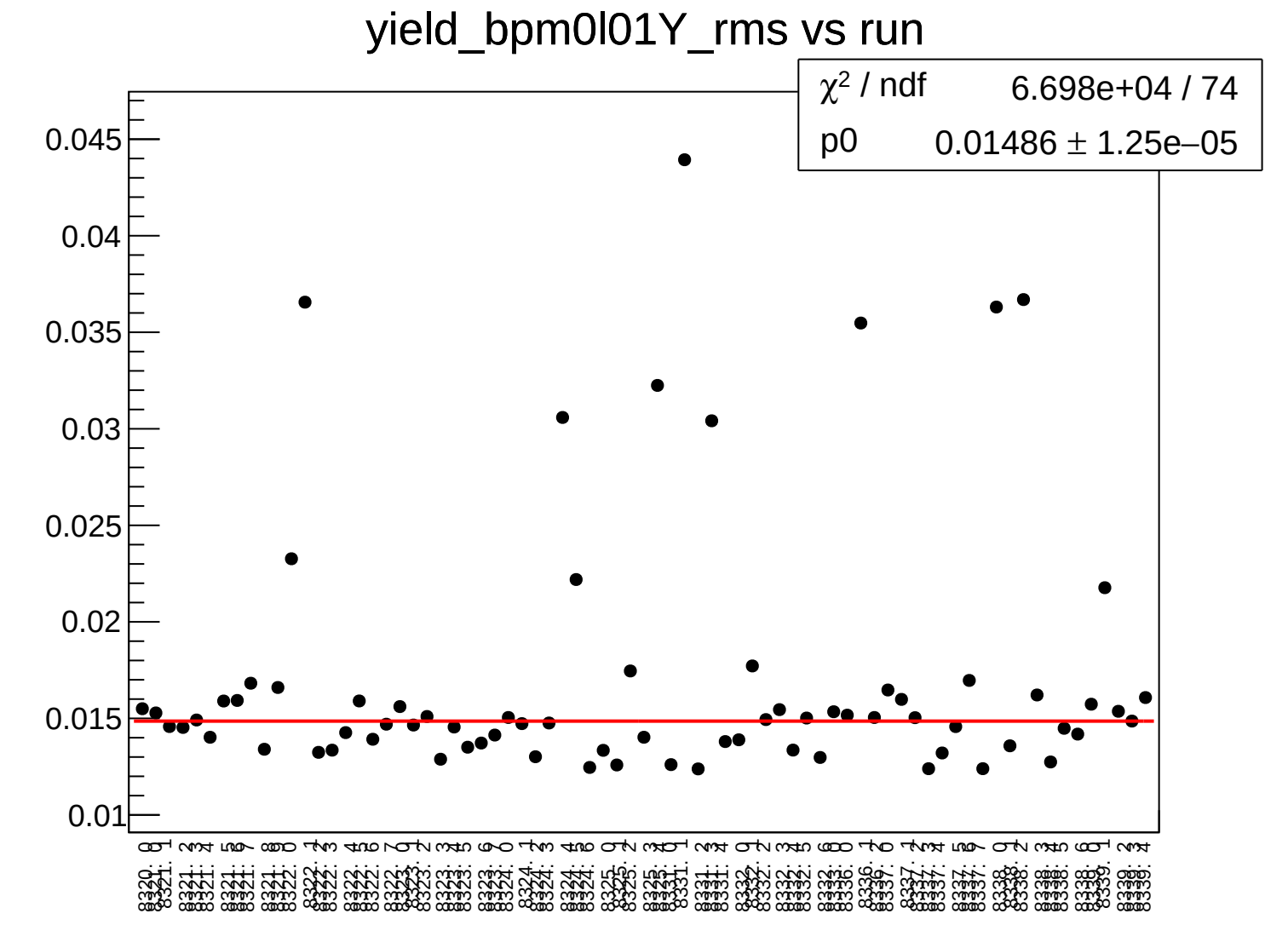

yield_bpm0l01X_mean vs run
χ² / ndf 3.415e+06 / 74
p0 1.19 ± 1.548e−05
1.24
1.22
1.2
1.18
1.16
1.14
1.12
pull
Entries 75
Mean 510.1
Std Dev 0
200
0
−200
−400
−600

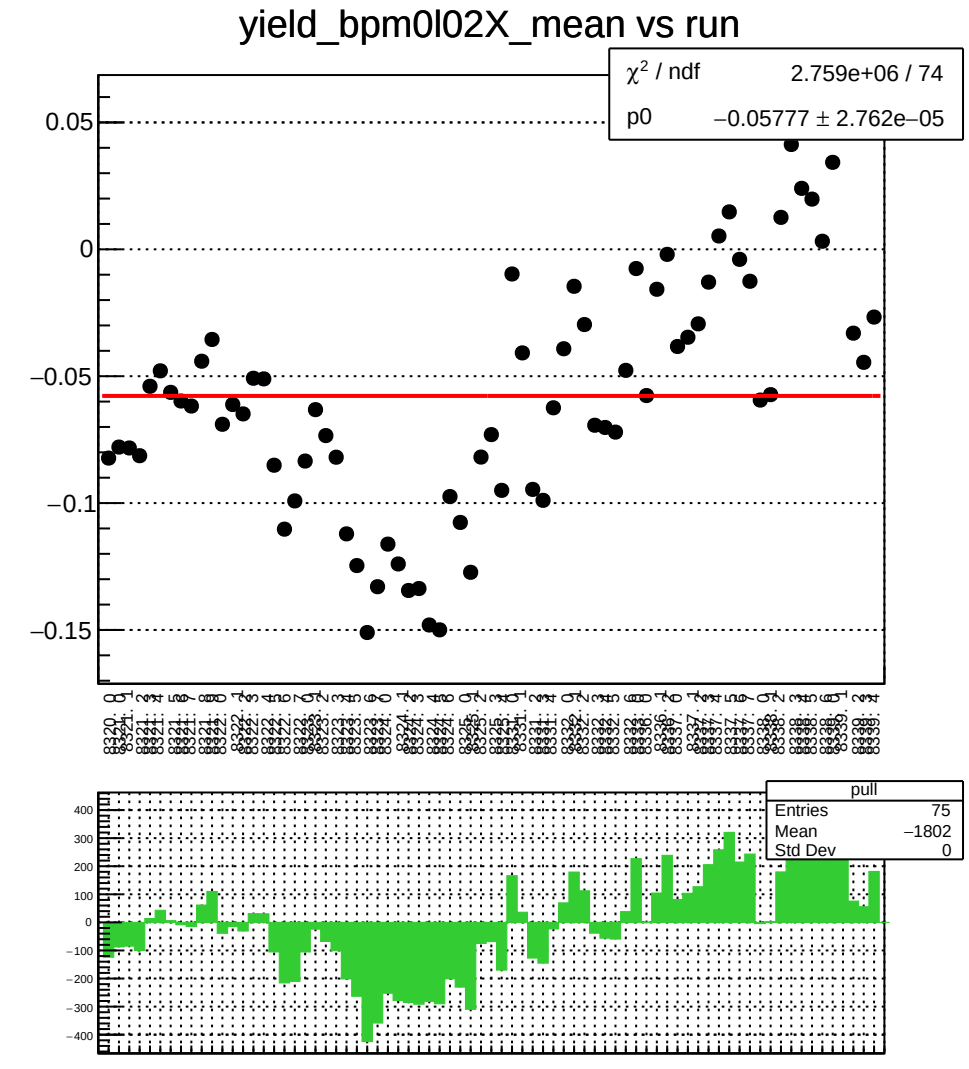

pull1D
Entries 75
Mean −0.7516
Std Dev 3.474
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

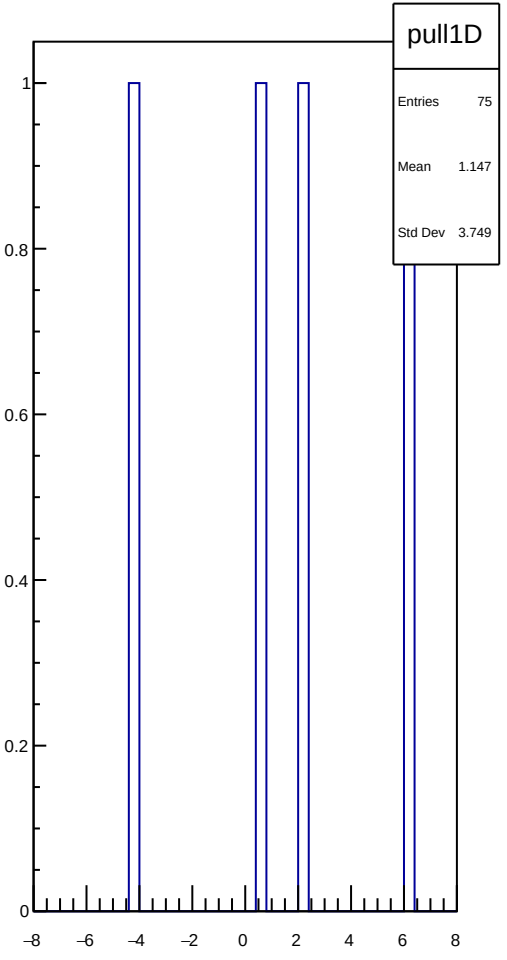

yield_bpm0l01X_rms vs run
χ² / ndf 6.668e+04 / 74
p0 0.01301 ± 1.094e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

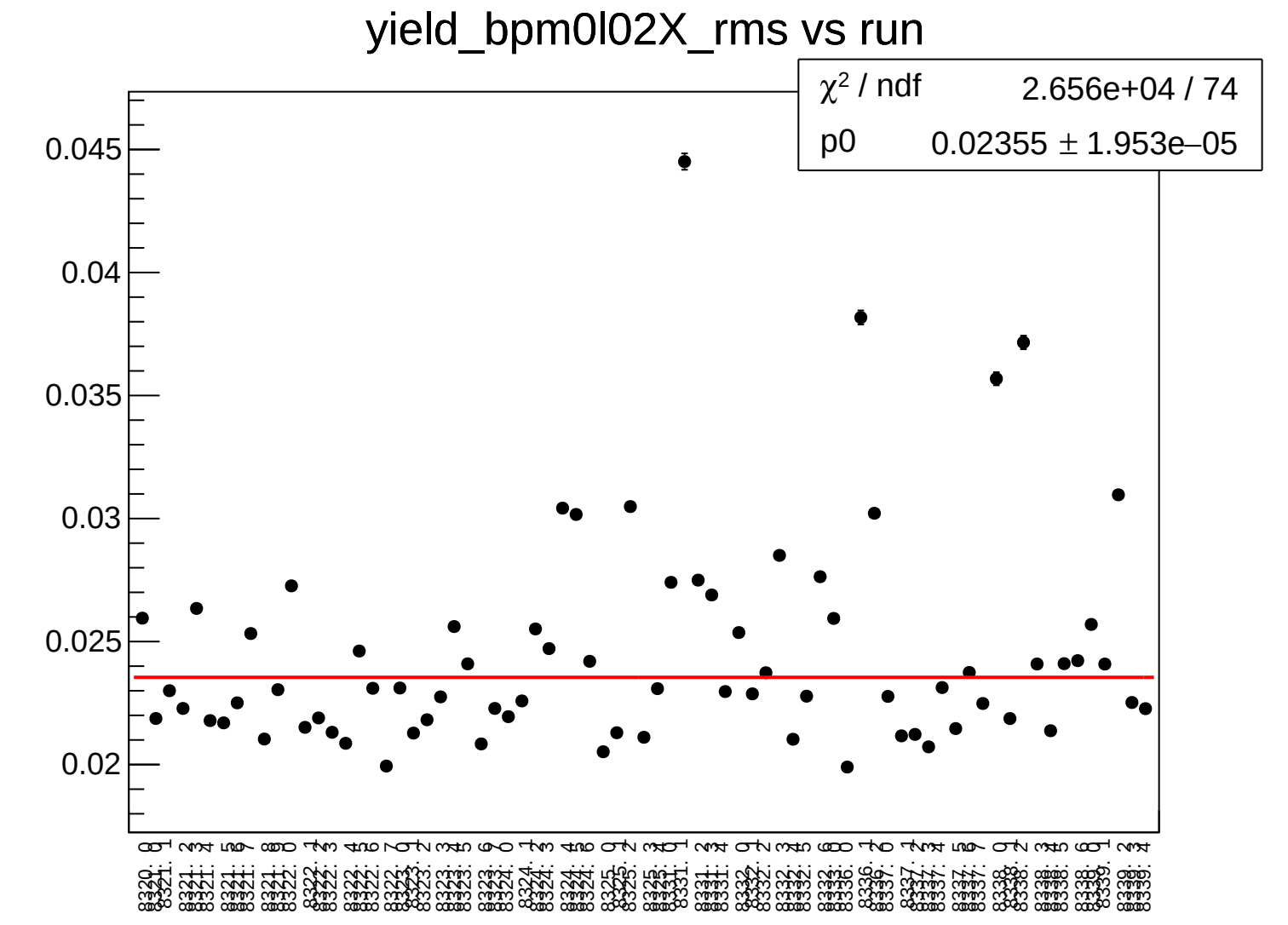

yield_bpm0l01Y_mean vs run
χ² / ndf 3.907e+06 / 74
p0 −6.643 ± 1.768e−05
−6.56
−6.58
−6.6
−6.62
−6.64
−6.66
−6.68
−6.7
pull
Entries 75
Mean −524.7
Std Dev 0
600
400
200
0
−200
−400

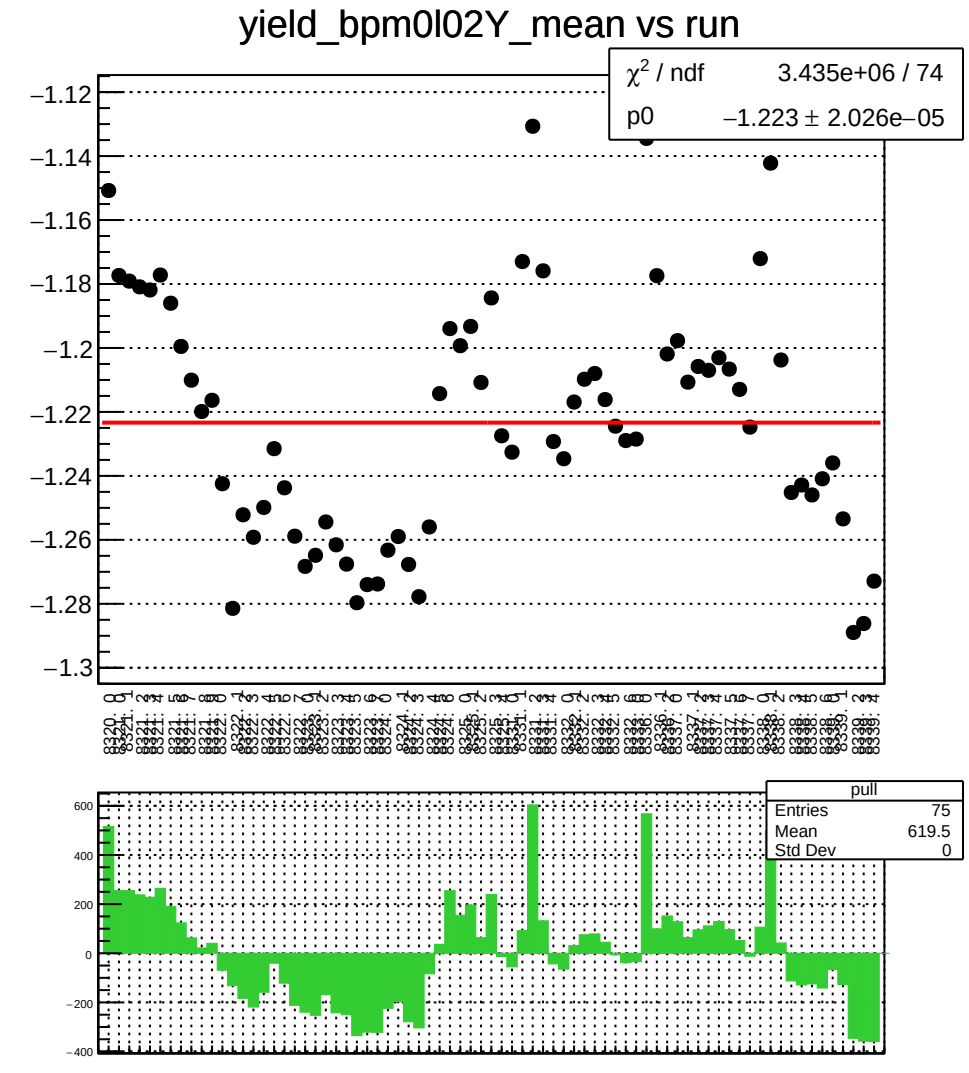

pull1D
Entries 75
Mean 1.087
Std Dev 3.567
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

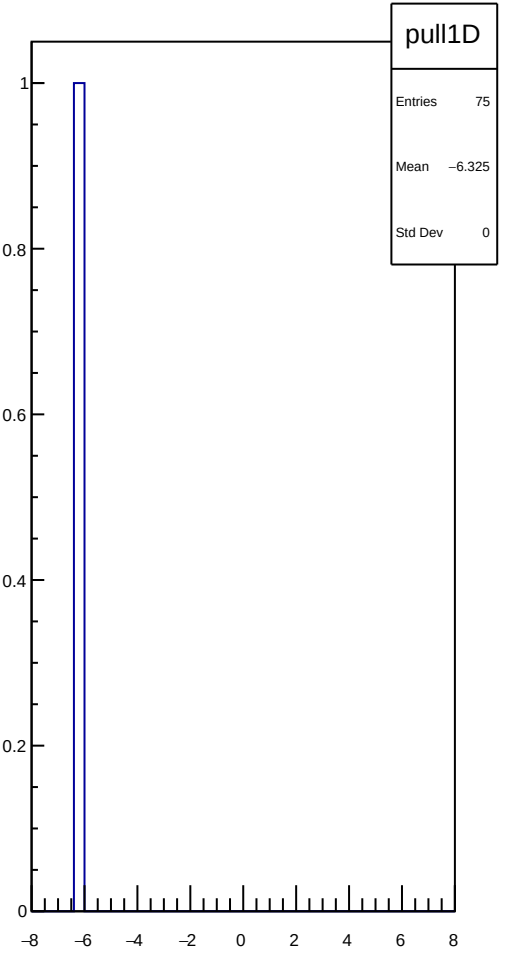

yield_bpm0l01Y_rms vs run
χ² / ndf 6.698e+04 / 74
p0 0.01486 ± 1.25e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

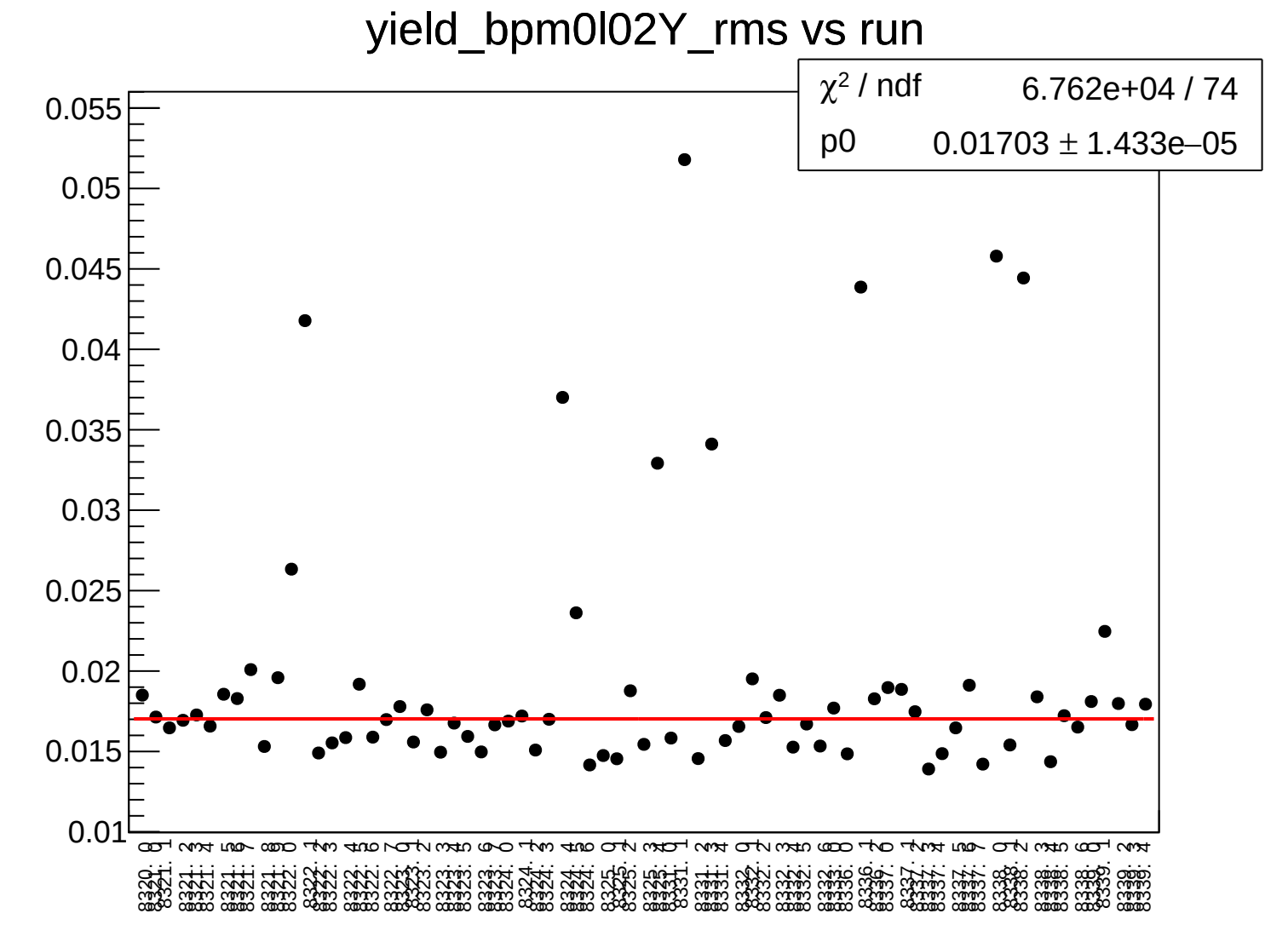

yield_bpm0l02X_mean vs run
χ² / ndf 2.759e+06 / 74
p0 −0.05777 ± 2.762e−05
0.05
0
−0.05
−0.1
−0.15
pull
Entries 75
Mean −1802
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400

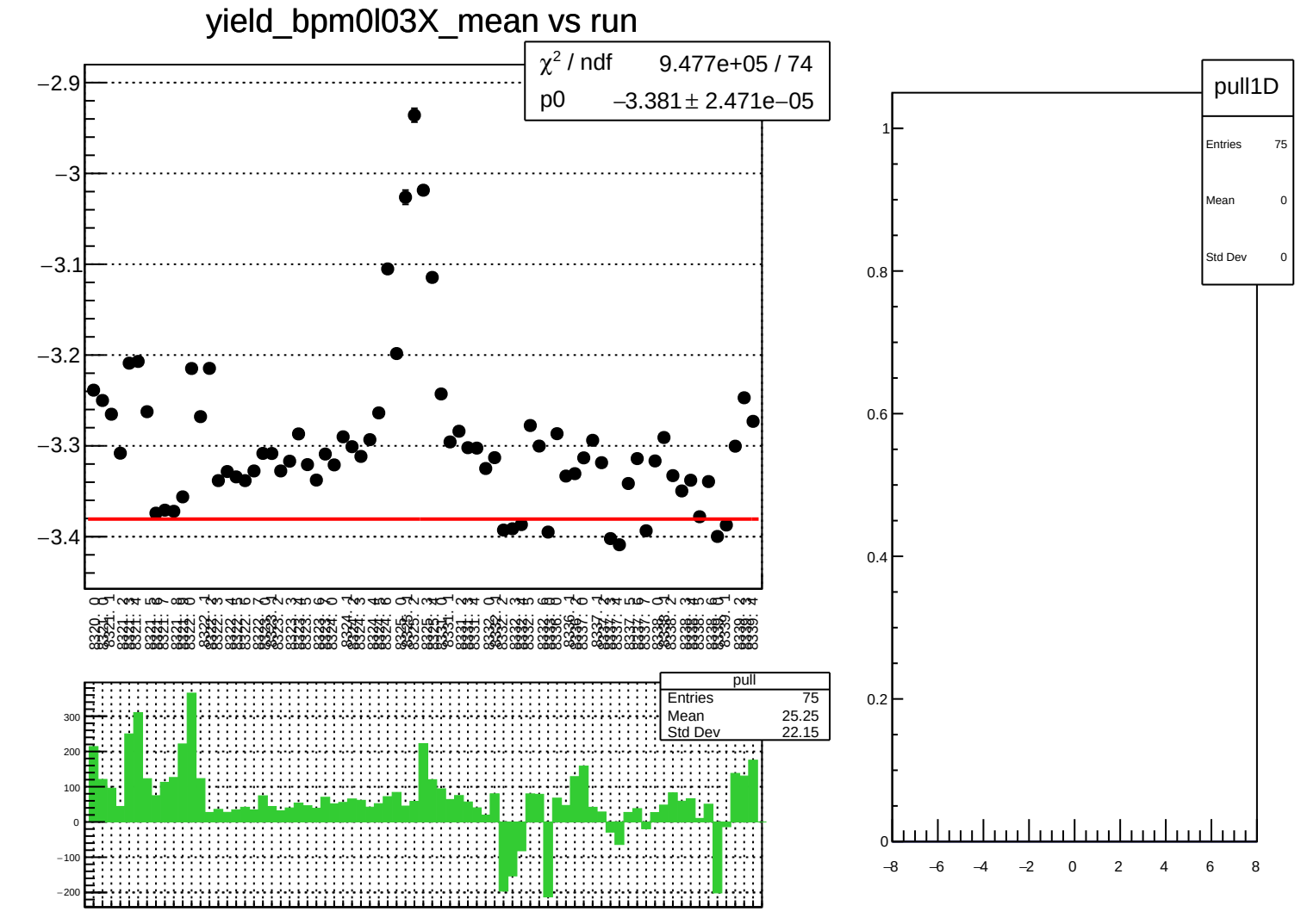

pull1D
Entries 75
Mean 1.147
Std Dev 3.749
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

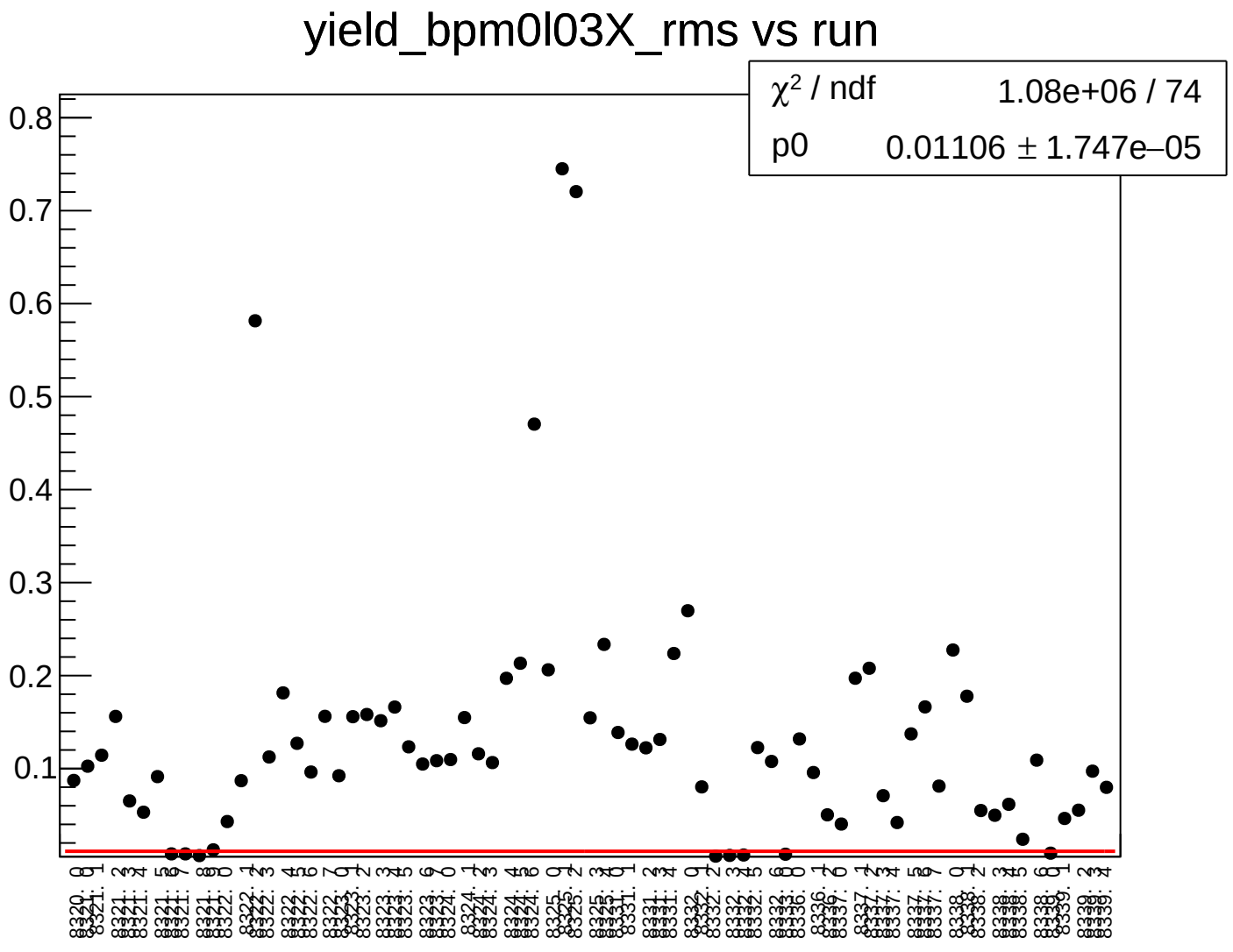

yield_bpm0l02X_rms vs run
χ² / ndf 2.656e+04 / 74
p0 0.02355 ± 1.953e–05
0.045
0.04
0.035
0.03
0.025
0.02

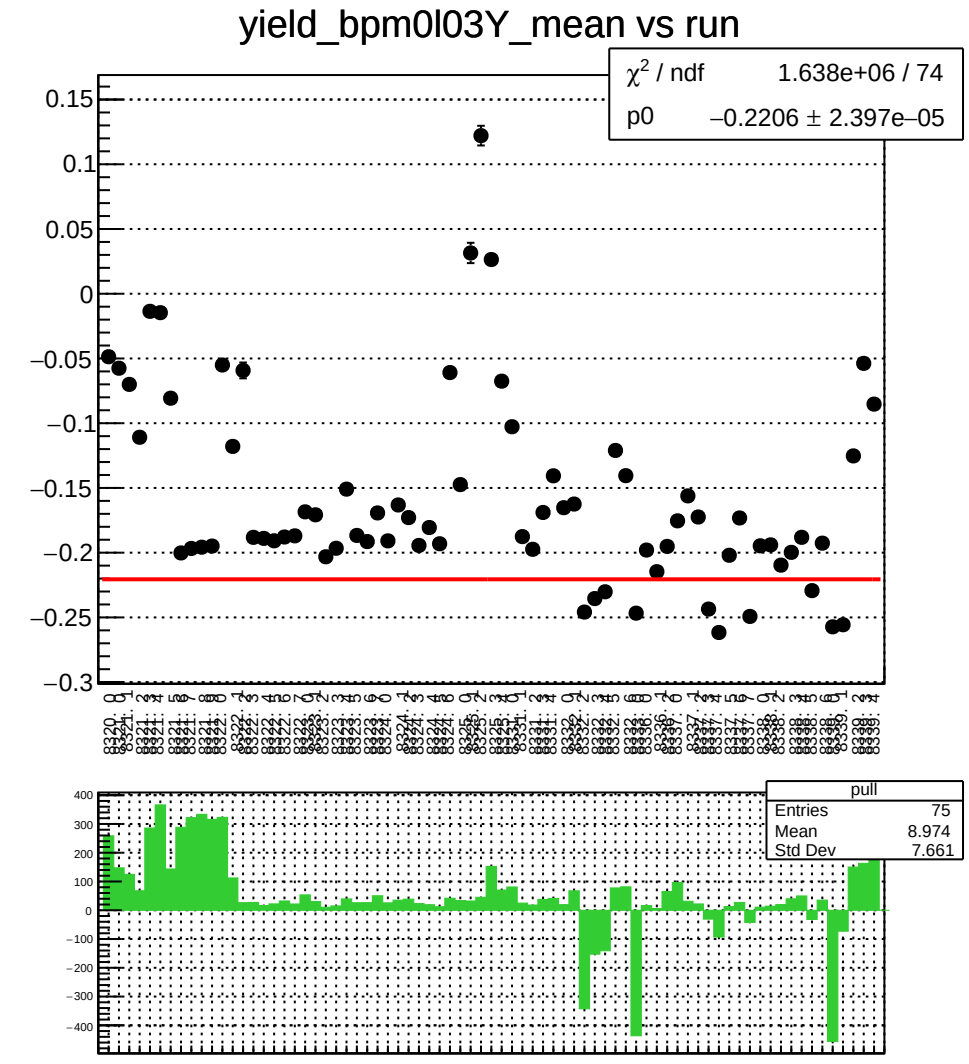

yield_bpm0l02Y_mean vs run
χ² / ndf 3.435e+06 / 74
p0 −1.223 ± 2.026e−05
pull
Entries 75
Mean 619.5
Std Dev 0

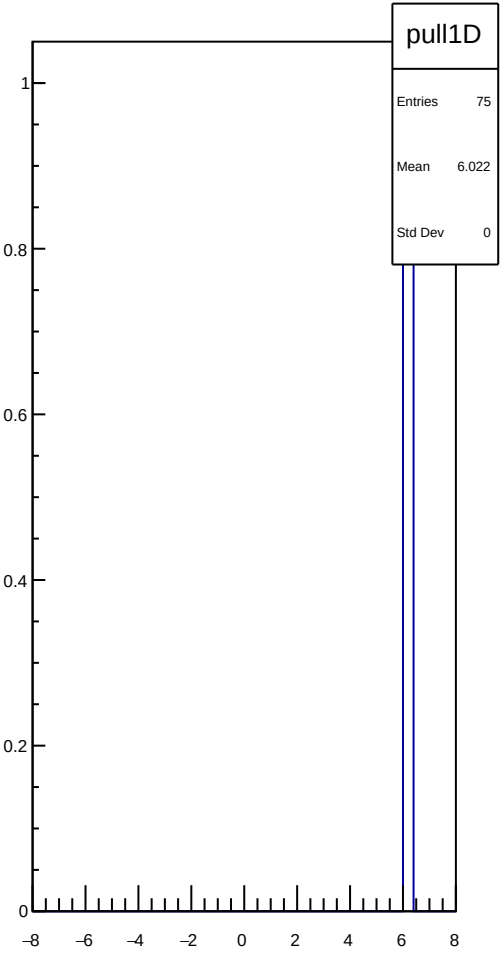

pull1D
Entries 75
Mean −6.325
Std Dev 0

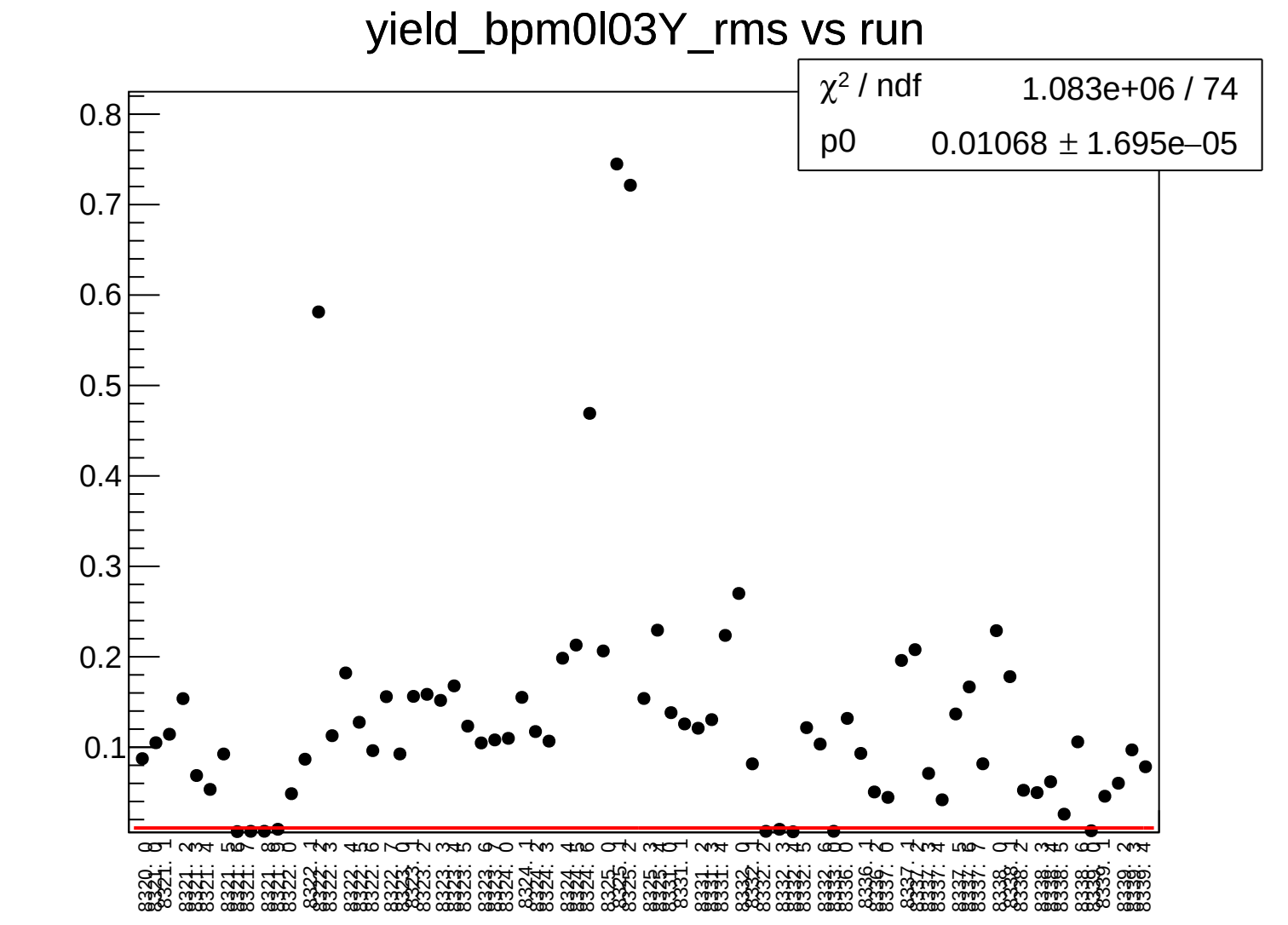

yield_bpm0l02Y_rms vs run
χ² / ndf 6.762e+04 / 74
p0 0.01703 ± 1.433e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

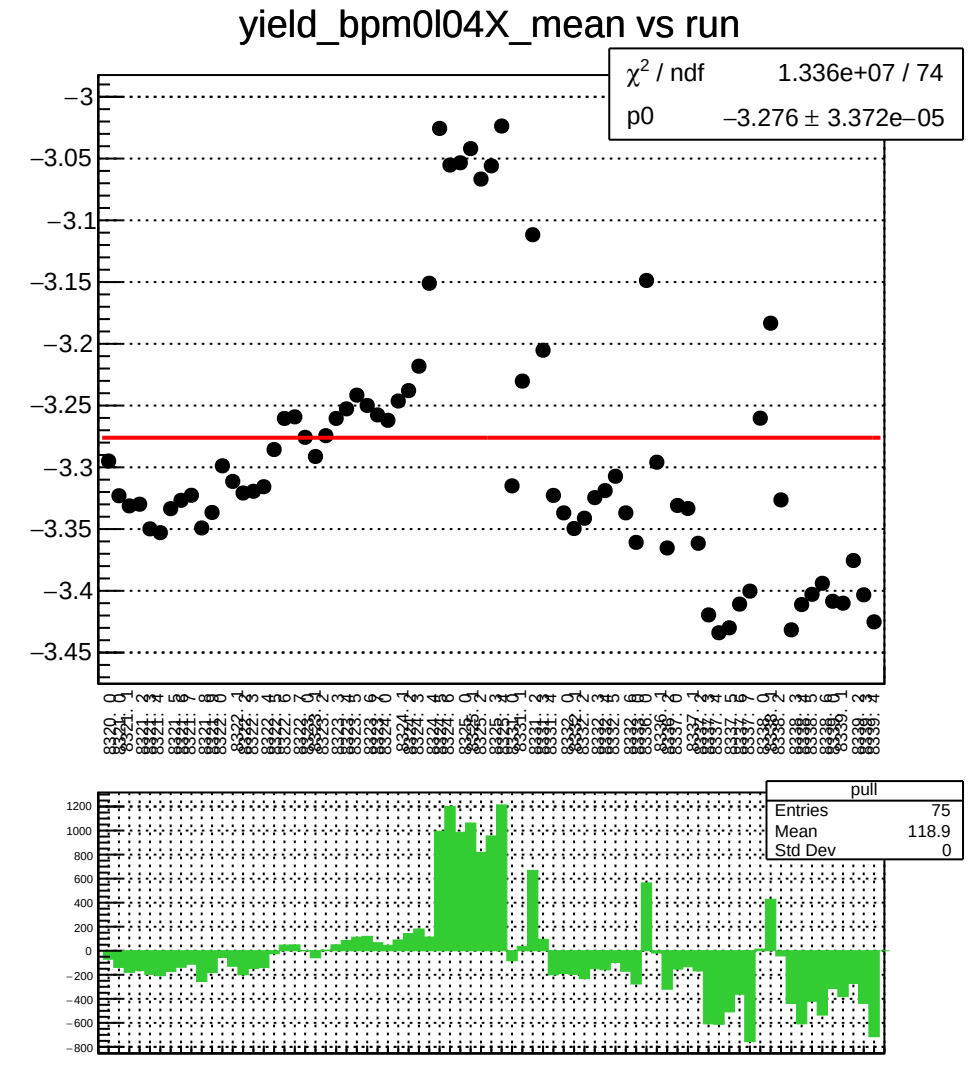

yield_bpm0l03X_mean vs run
χ² / ndf 9.477e+05 / 74
p0 −3.381 ± 2.471e−05
−2.9
−3
−3.1
−3.2
−3.3
−3.4
pull
Entries 75
Mean 25.25
Std Dev 22.15
300
200
100
0
−100
−200
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

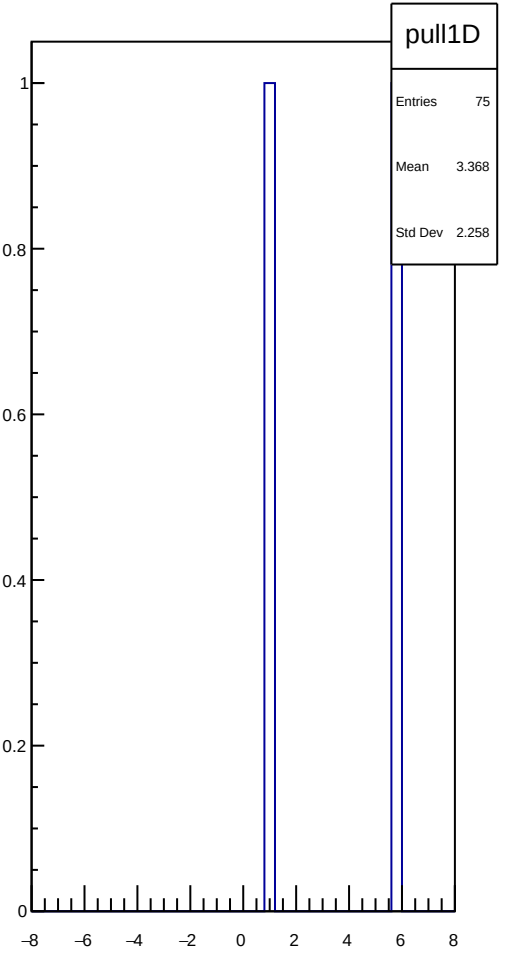

yield_bpm0l03X_rms vs run
χ² / ndf 1.08e+06 / 74
p0 0.01106 ± 1.747e–05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

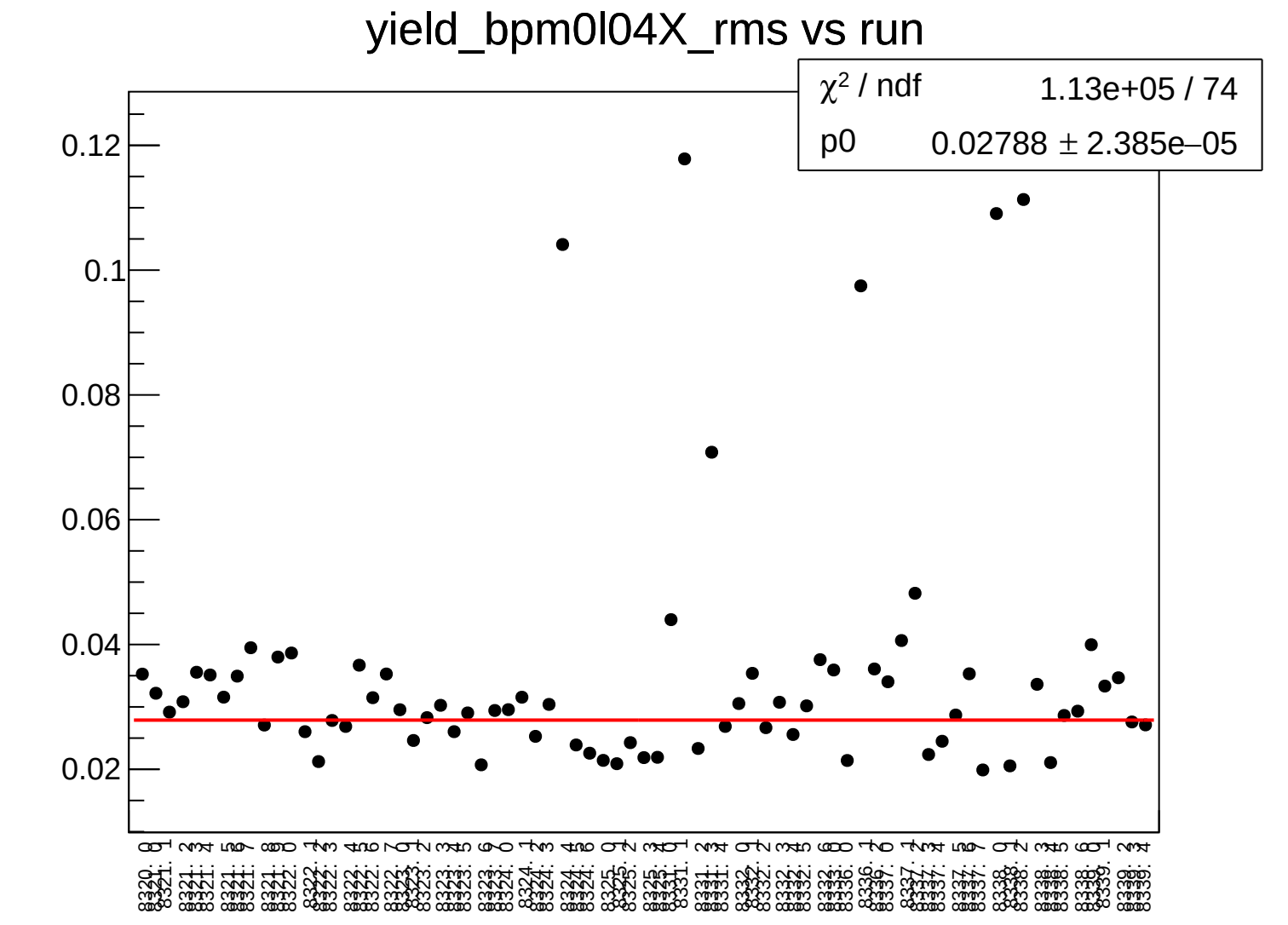

yield_bpm0l03Y_mean vs run
χ² / ndf 1.638e+06 / 74
p0 −0.2206 ± 2.397e−05
pull
Entries 75
Mean 8.974
Std Dev 7.661

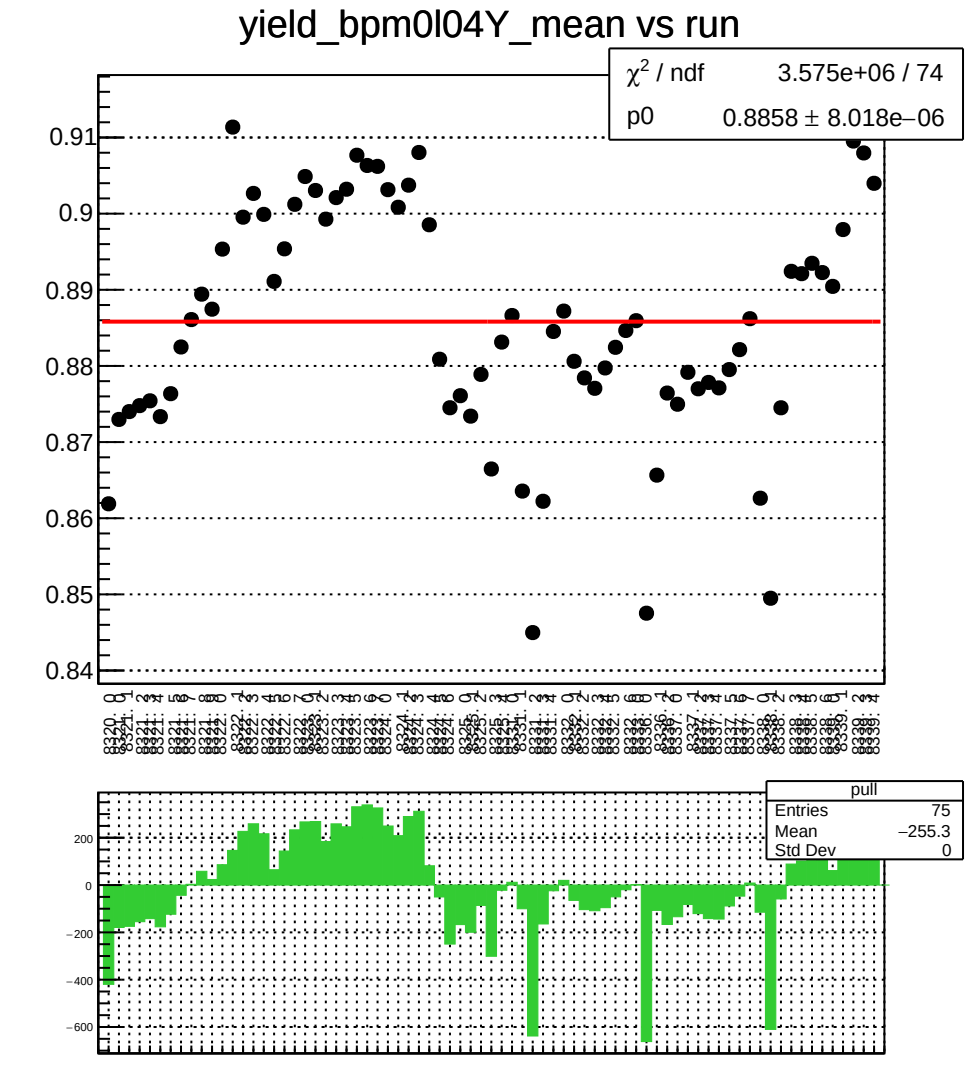

pull1D
Entries 75
Mean 6.022
Std Dev 0

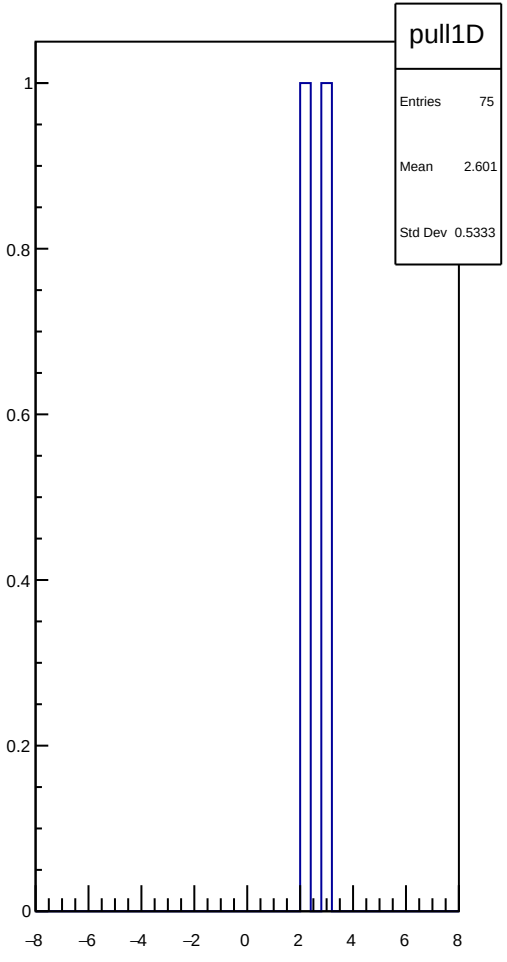

yield_bpm0l03Y_rms vs run
χ² / ndf 1.083e+06 / 74
p0 0.01068 ± 1.695e−05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

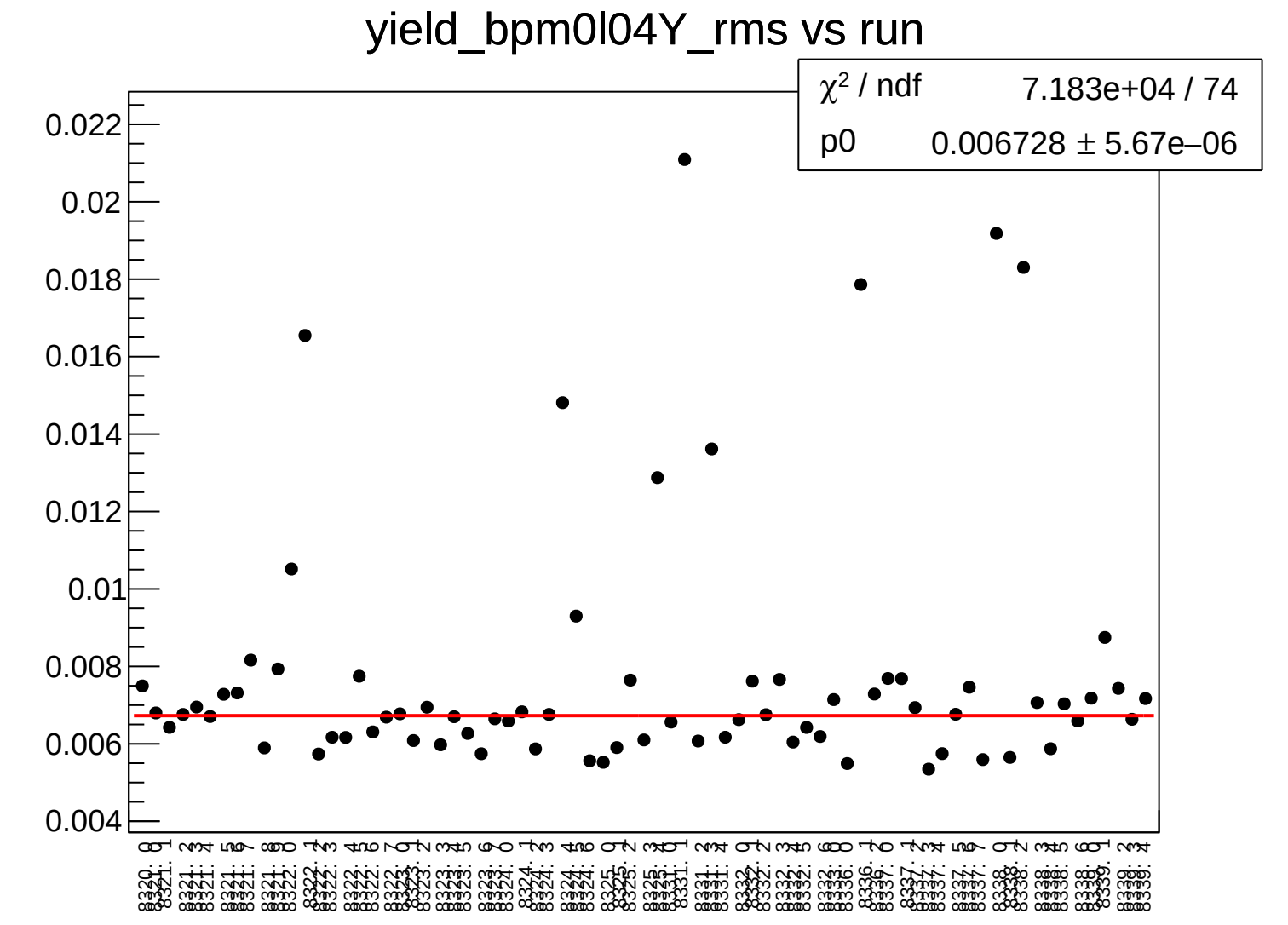

yield_bpm0l04X_mean vs run
χ² / ndf 1.336e+07 / 74
p0 −3.276 ± 3.372e−05
pull
Entries 75
Mean 118.9
Std Dev 0

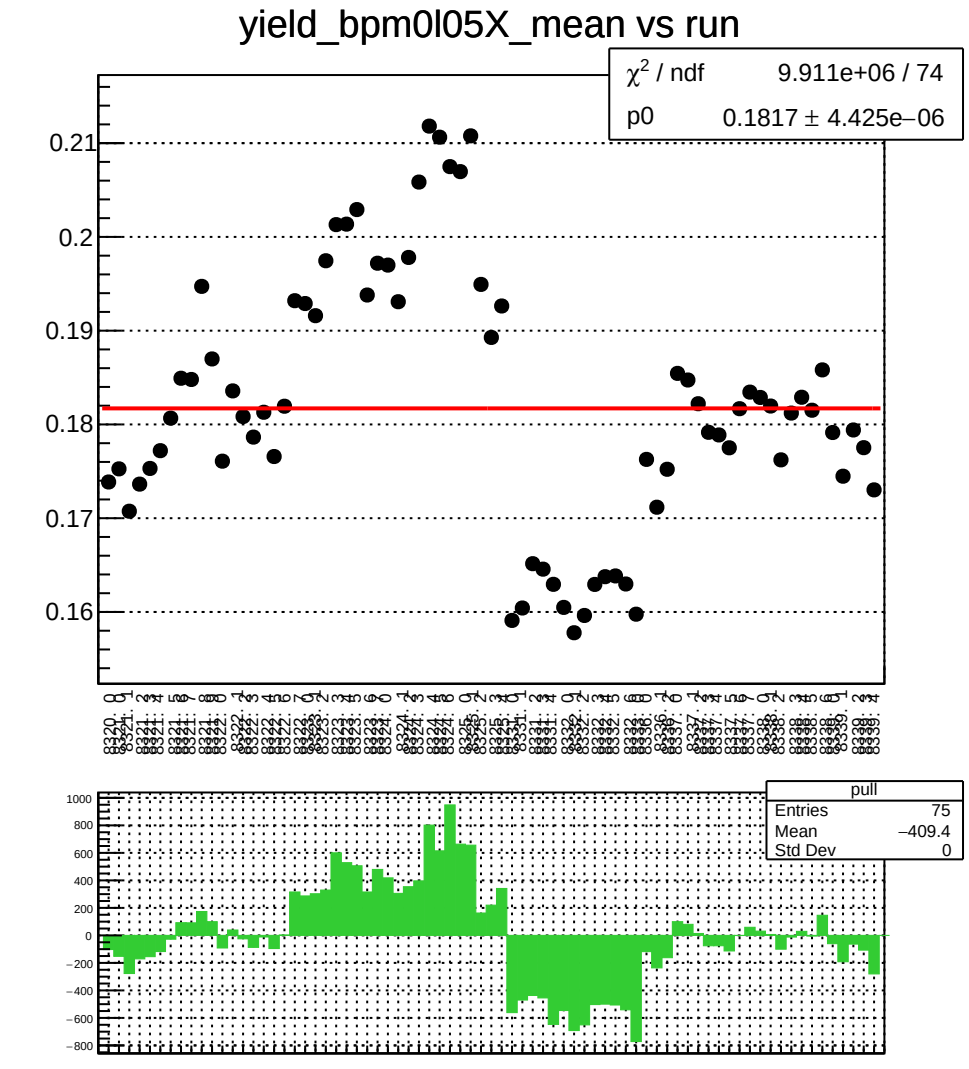

pull1D
Entries 75
Mean 3.368
Std Dev 2.258

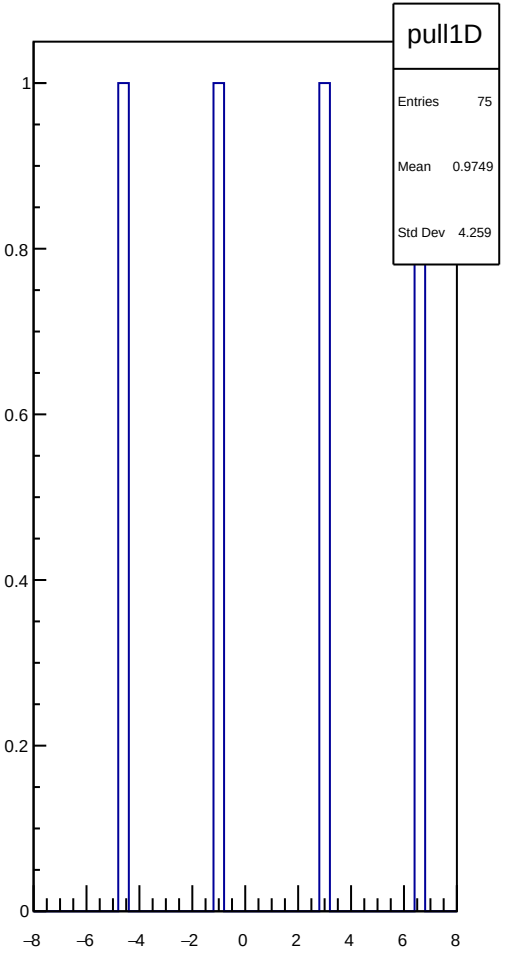

yield_bpm0l04X_rms vs run
χ² / ndf 1.13e+05 / 74
p0 0.02788 ± 2.385e−05
0.12
0.1
0.08
0.06
0.04
0.02

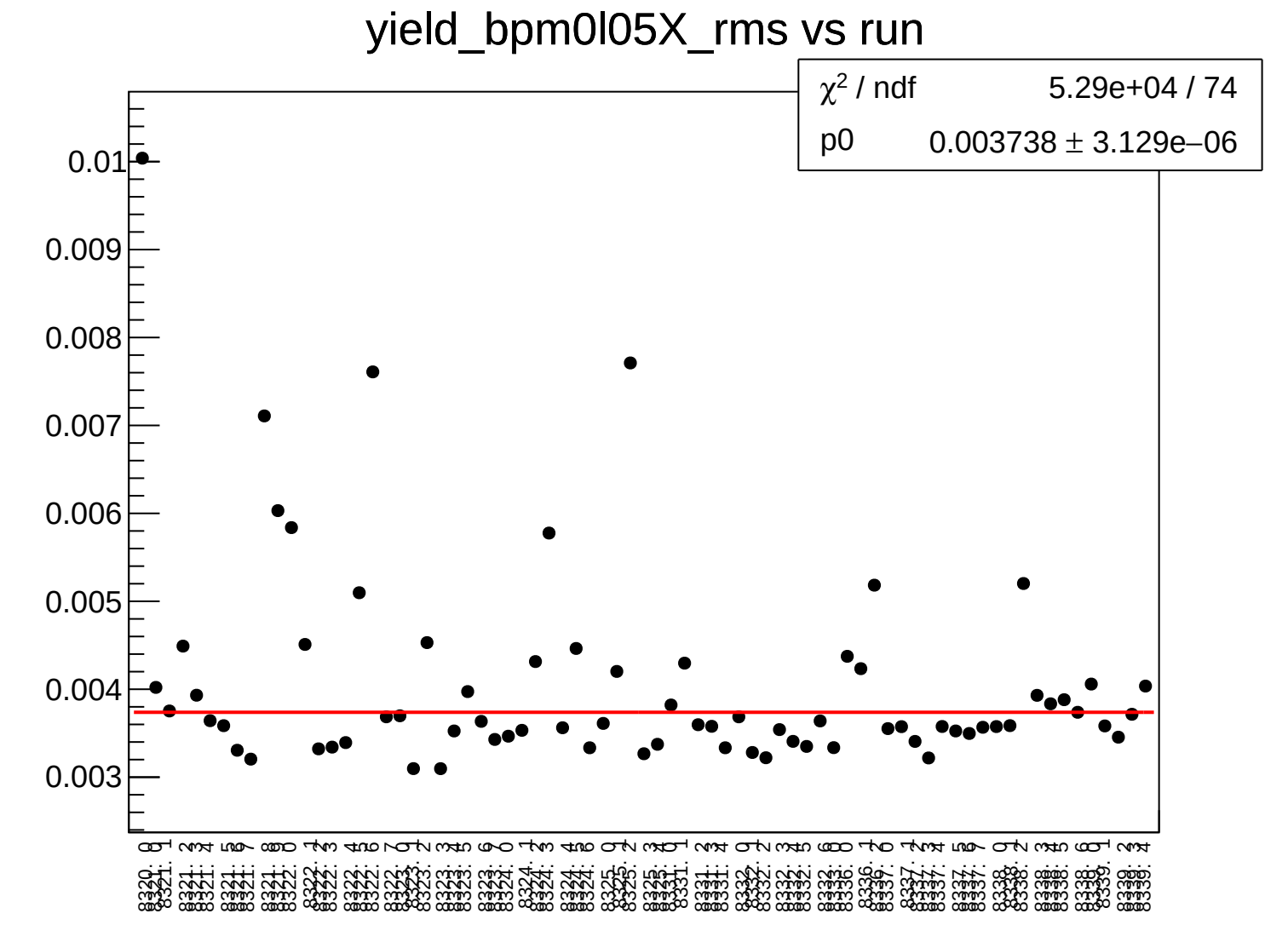

yield_bpm0l04Y_mean vs run
χ² / ndf 3.575e+06 / 74
p0 0.8858 ± 8.018e−06
0.91
0.9
0.89
0.88
0.87
0.86
0.85
0.84
pull
Entries 75
Mean −255.3
Std Dev 0
200
0
−200
−400
−600

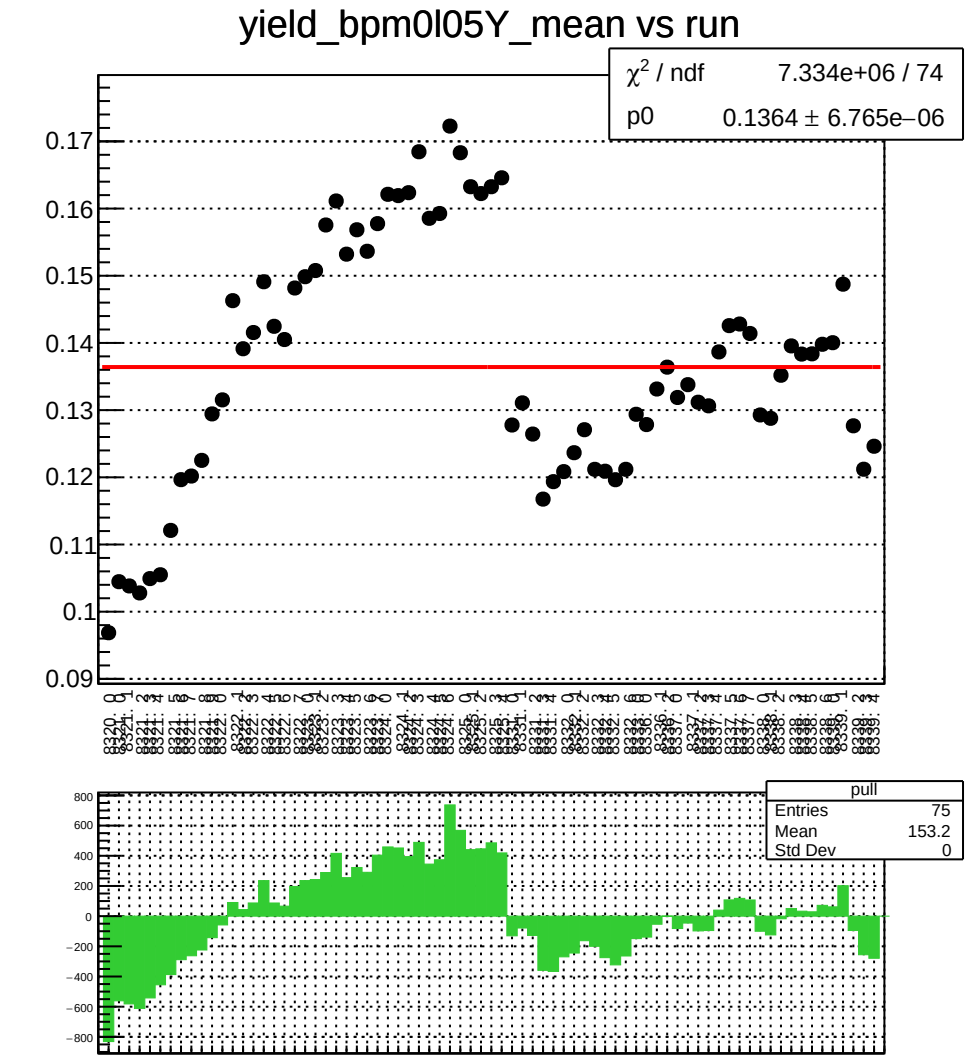

pull1D
Entries 75
Mean 2.601
Std Dev 0.5333
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

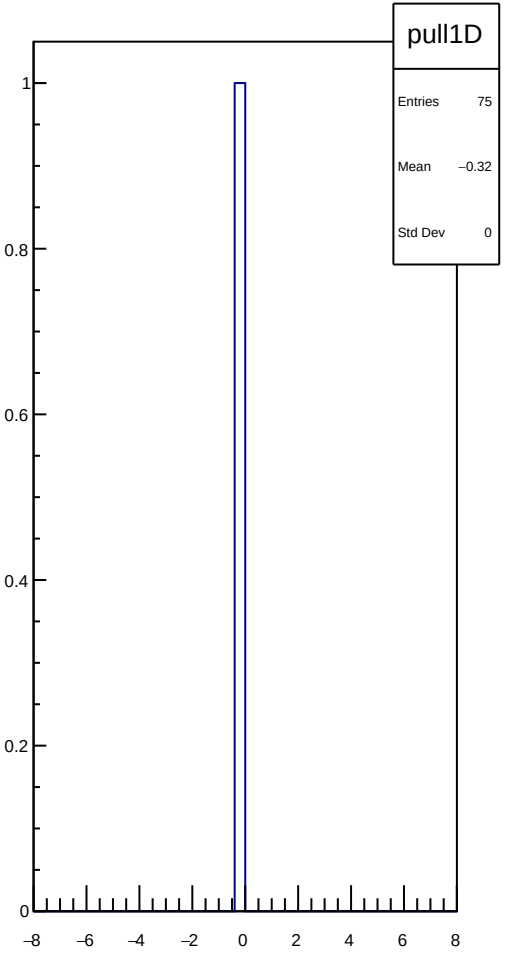

yield_bpm0l04Y_rms vs run
χ² / ndf 7.183e+04 / 74
p0 0.006728 ± 5.67e–06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

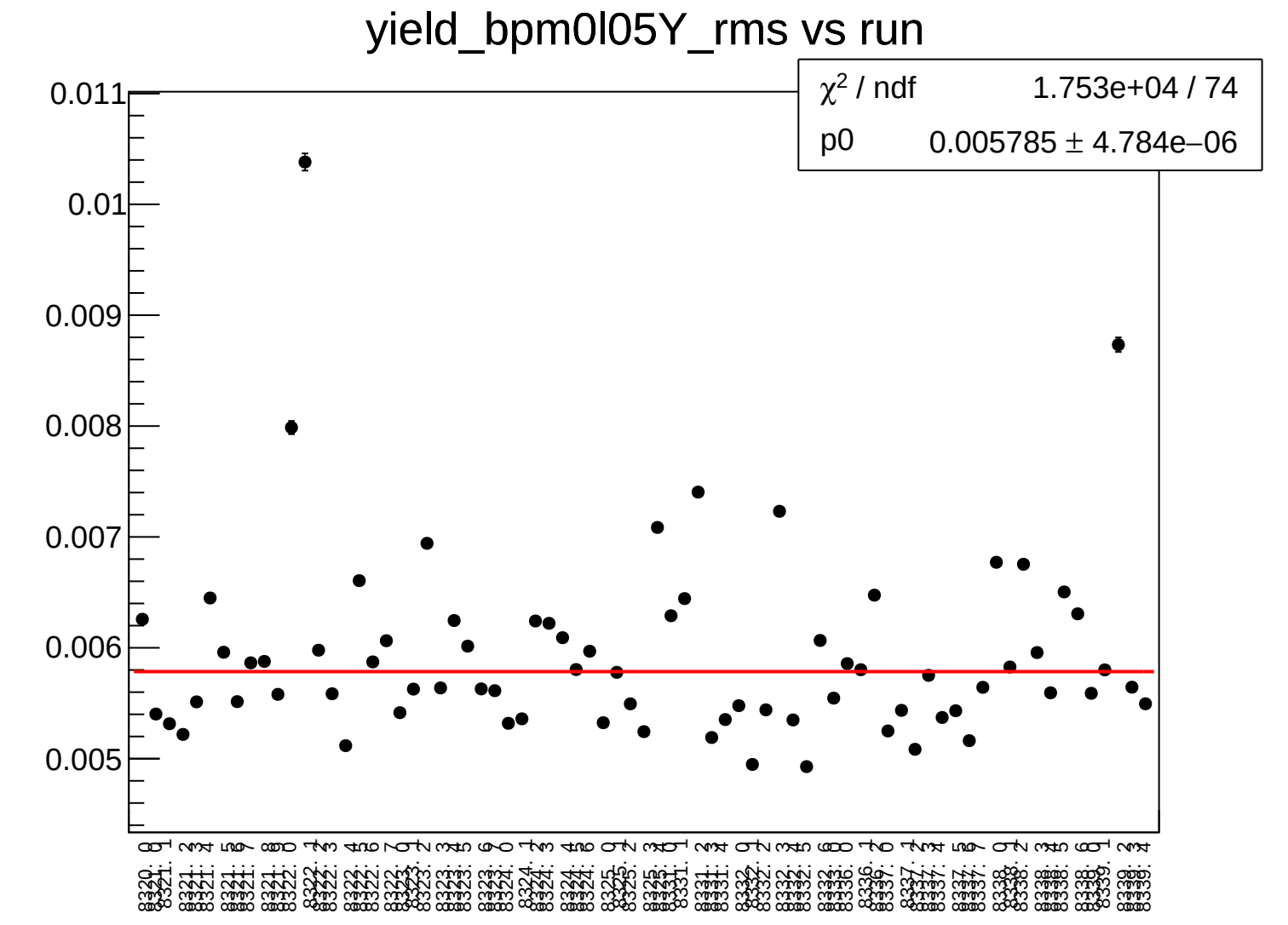

yield_bpm0l05X_mean vs run
χ² / ndf 9.911e+06 / 74
p0 0.1817 ± 4.425e−06
0.21
0.2
0.19
0.18
0.17
0.16
pull
Entries 75
Mean −409.4
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600
−800

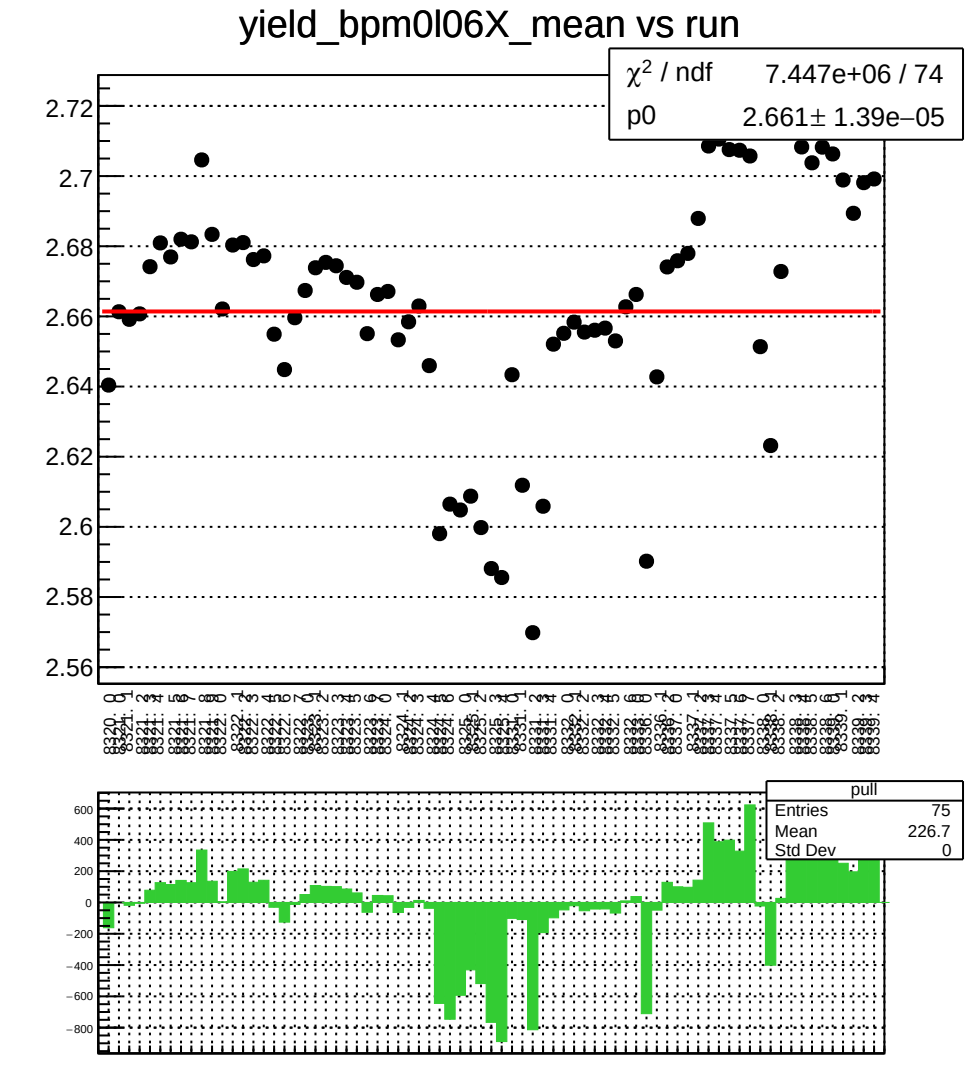

pull1D
Entries 75
Mean 0.9749
Std Dev 4.259
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

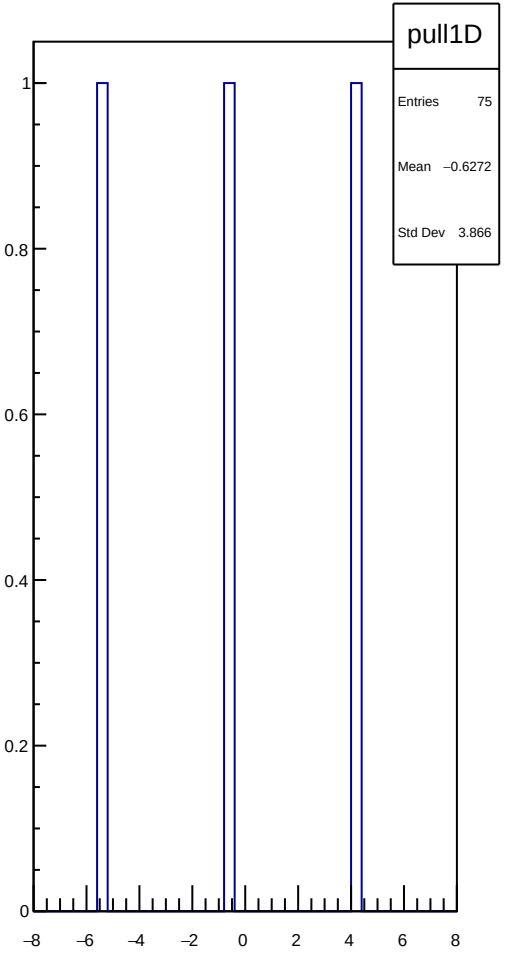

yield_bpm0l05X_rms vs run
χ² / ndf 5.29e+04 / 74
p0 0.003738 ± 3.129e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

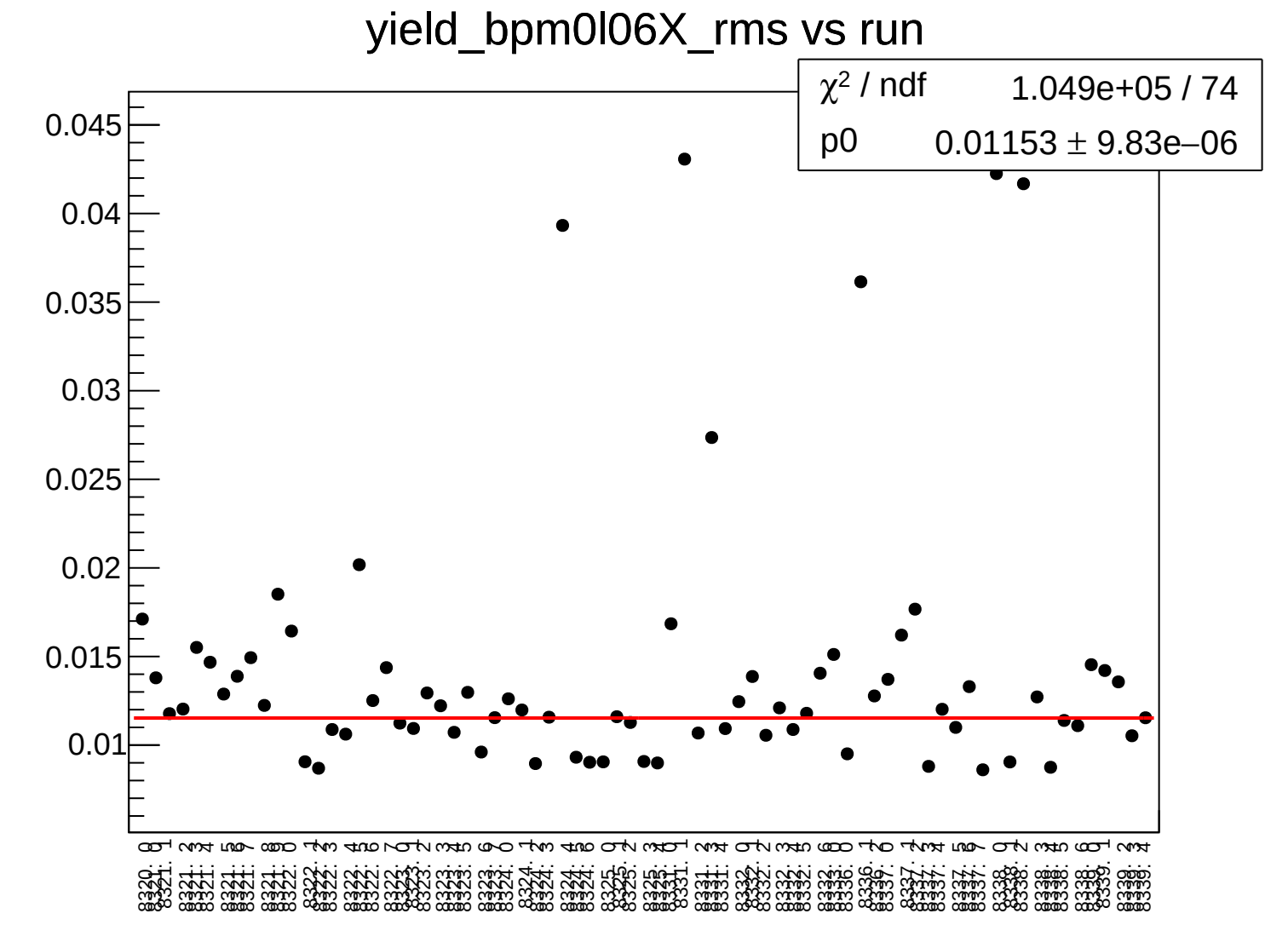

yield_bpm0l05Y_mean vs run
χ² / ndf 7.334e+06 / 74
p0 0.1364 ± 6.765e−06
pull
Entries 75
Mean 153.2
Std Dev 0

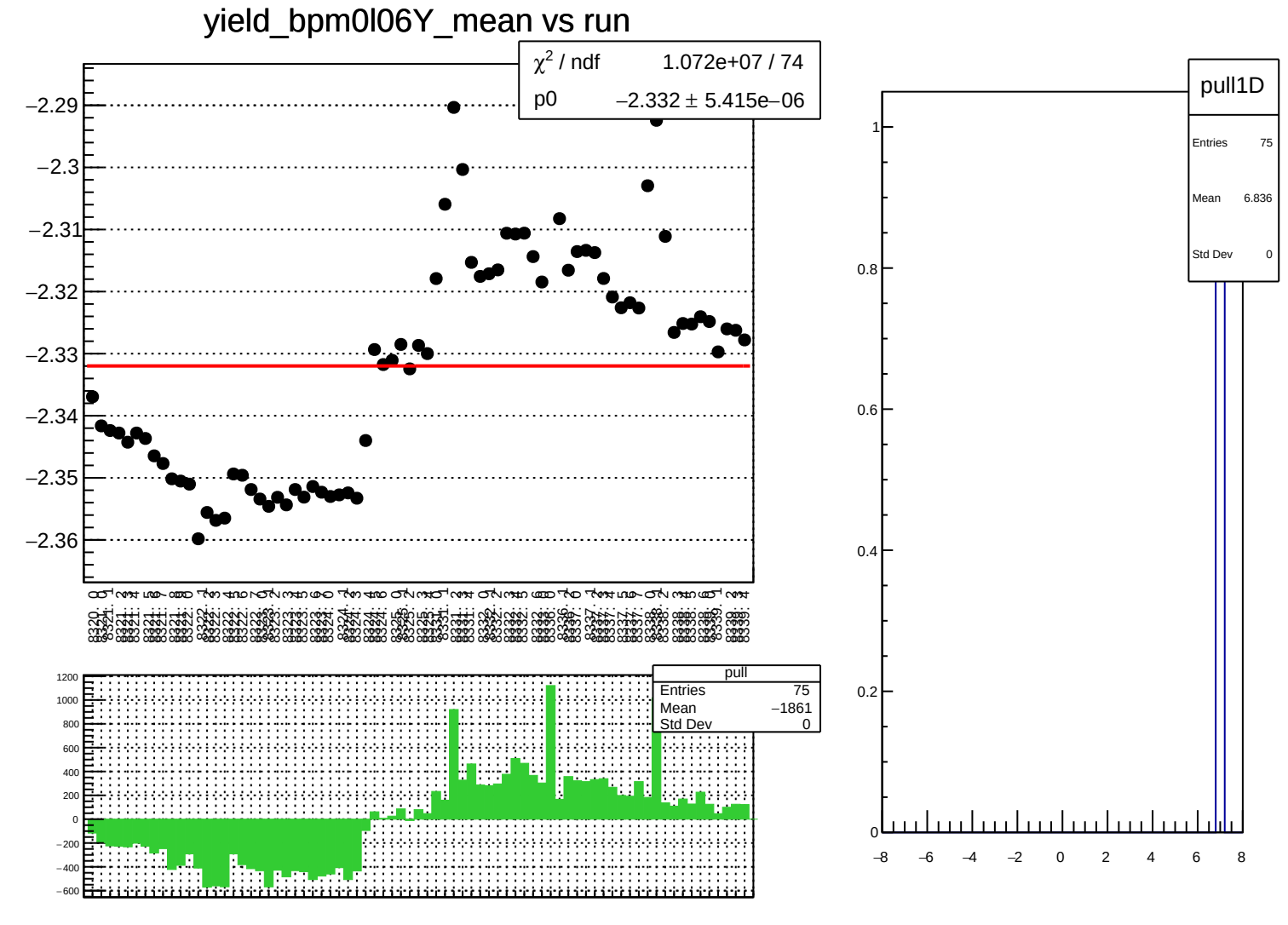

pull1D
Entries 75
Mean −0.32
Std Dev 0

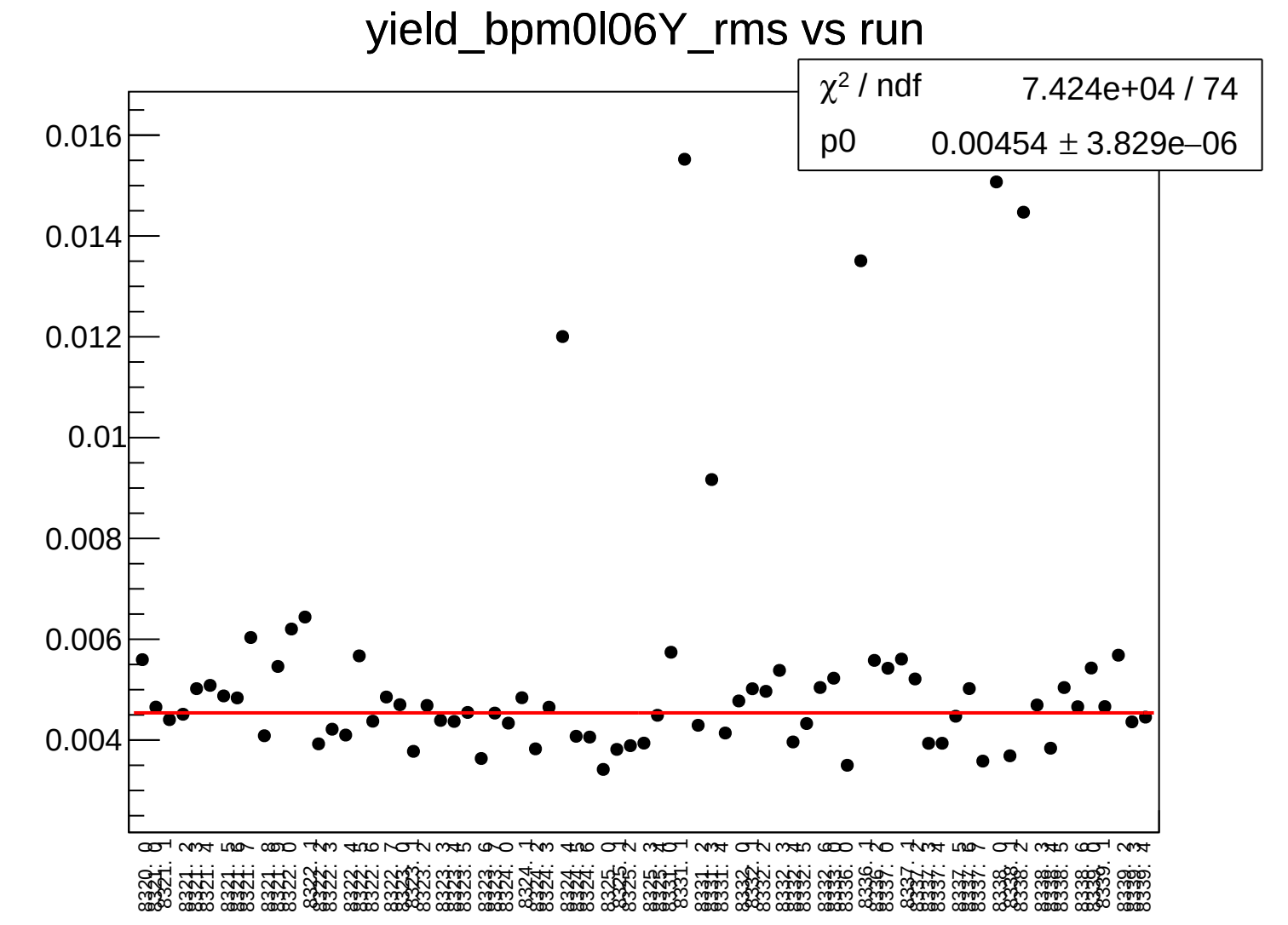

yield_bpm0l05Y_rms vs run
χ² / ndf 1.753e+04 / 74
p0 0.005785 ± 4.784e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005

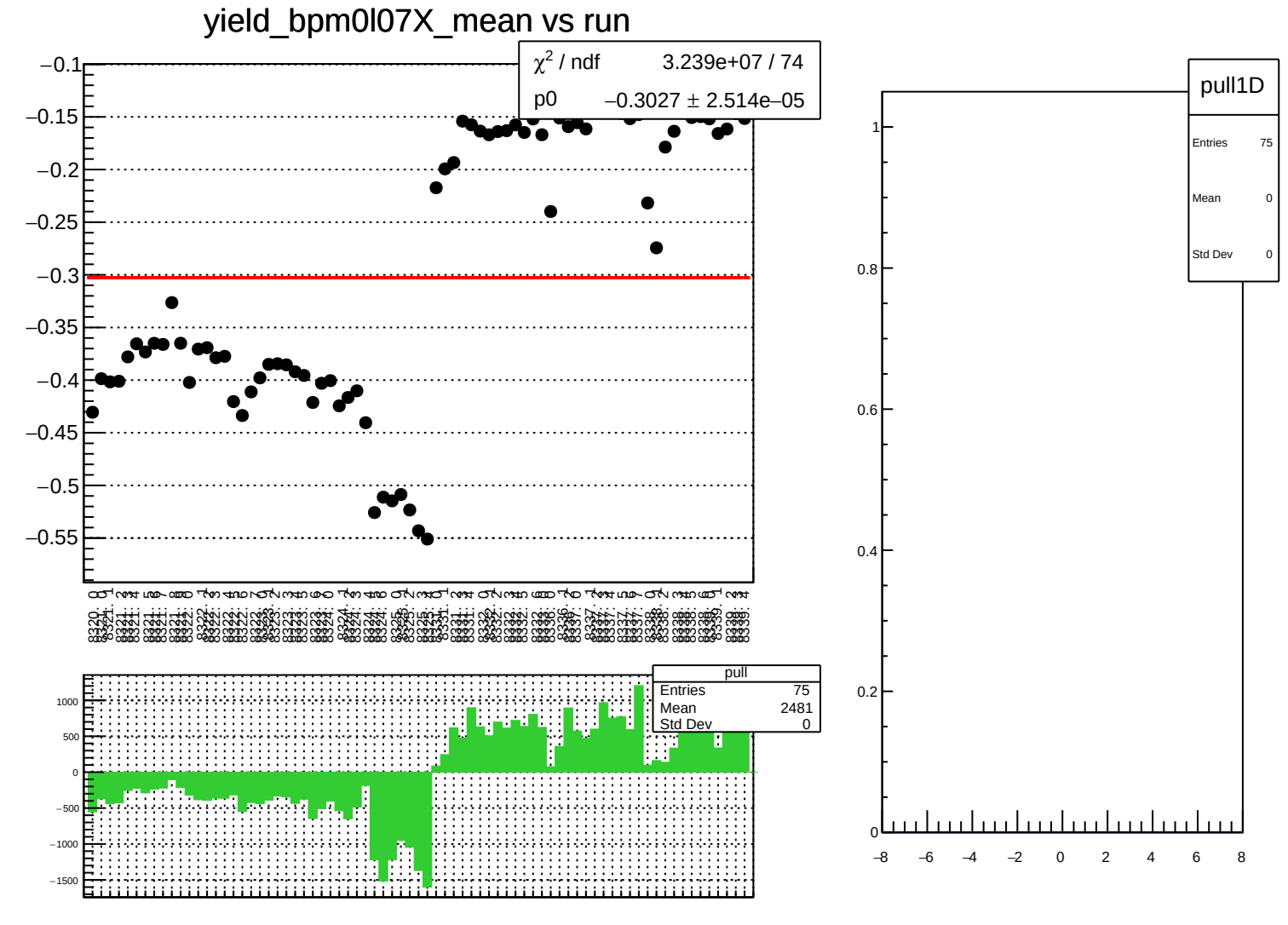

yield_bpm0l06X_mean vs run
χ² / ndf 7.447e+06 / 74
p0 2.661± 1.39e−05
2.72
2.7
2.68
2.66
2.64
2.62
2.6
2.58
2.56
pull
Entries 75
Mean 226.7
Std Dev 0
600
400
200
0
−200
−400
−600
−800

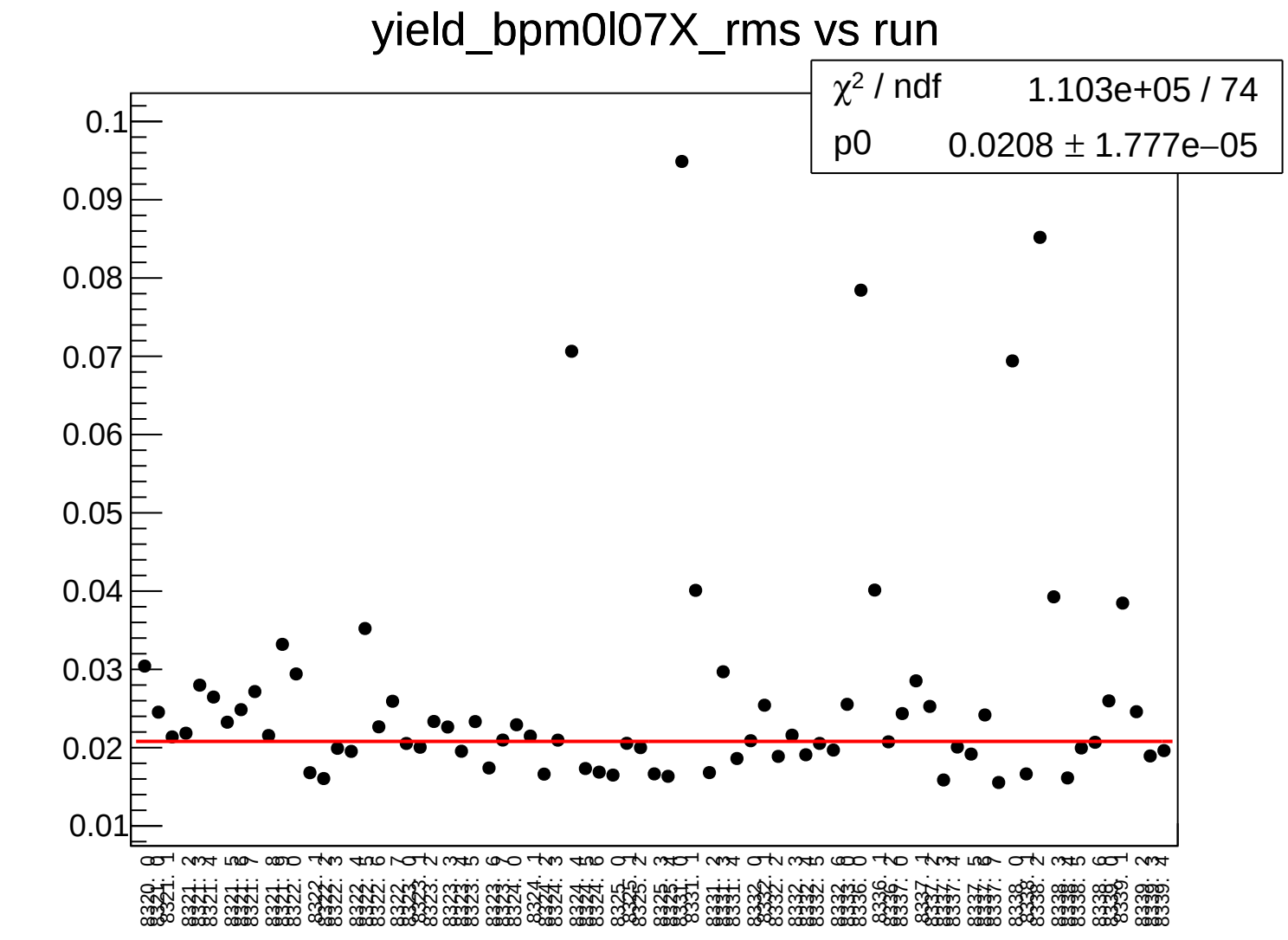

pull1D
Entries 75
Mean −0.6272
Std Dev 3.866
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

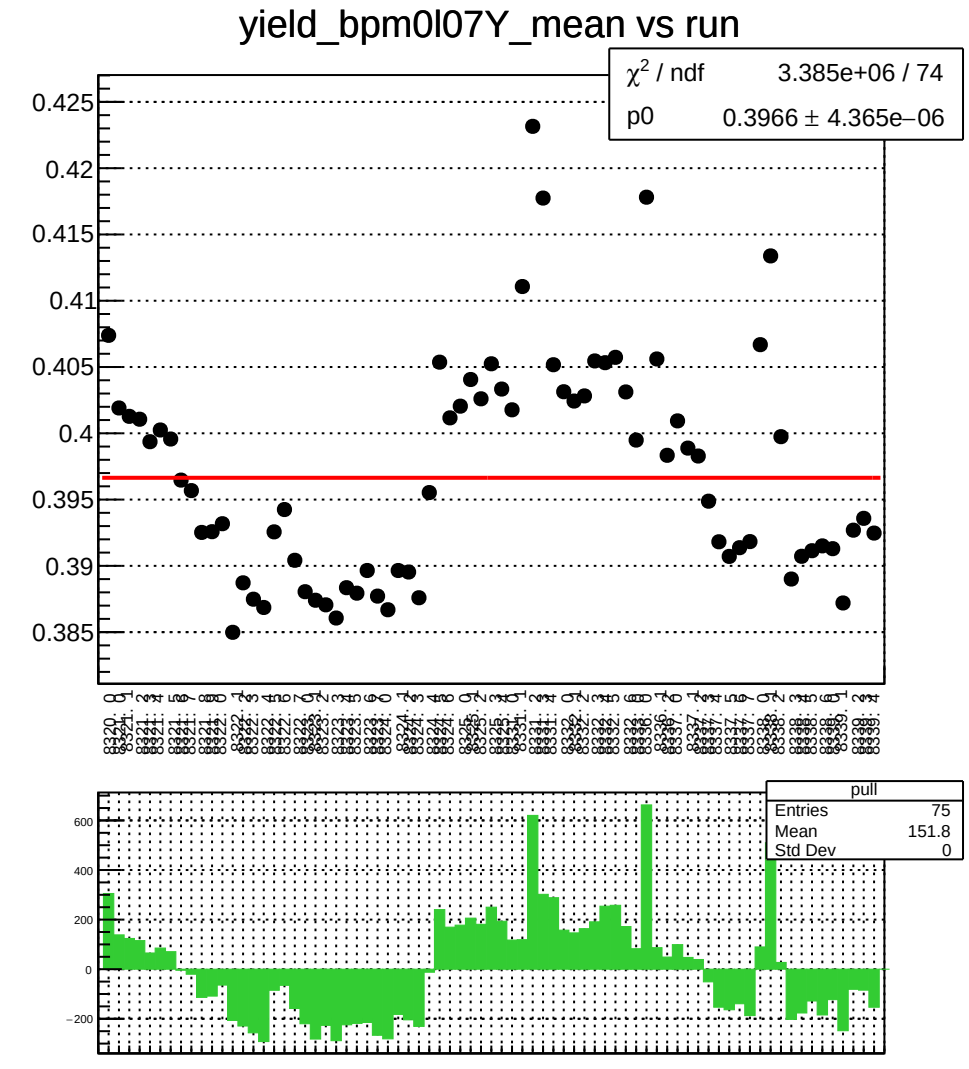

yield_bpm0l06X_rms vs run
χ² / ndf 1.049e+05 / 74
p0 0.01153 ± 9.83e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

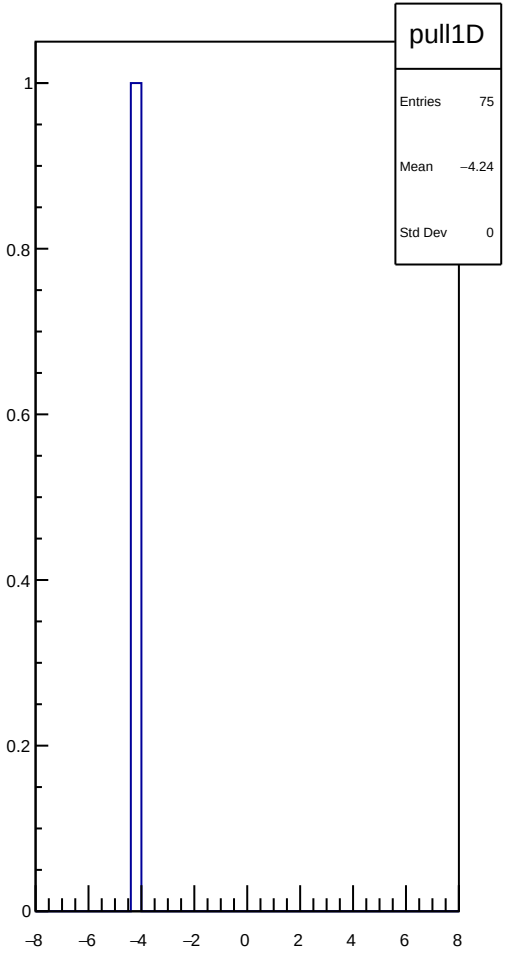

yield_bpm0l06Y_mean vs run
χ² / ndf 1.072e+07 / 74
p0 −2.332 ± 5.415e−06
−2.29
−2.3
−2.31
−2.32
−2.33
−2.34
−2.35
−2.36
pull
Entries 75
Mean −1861
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 75
Mean 6.836
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

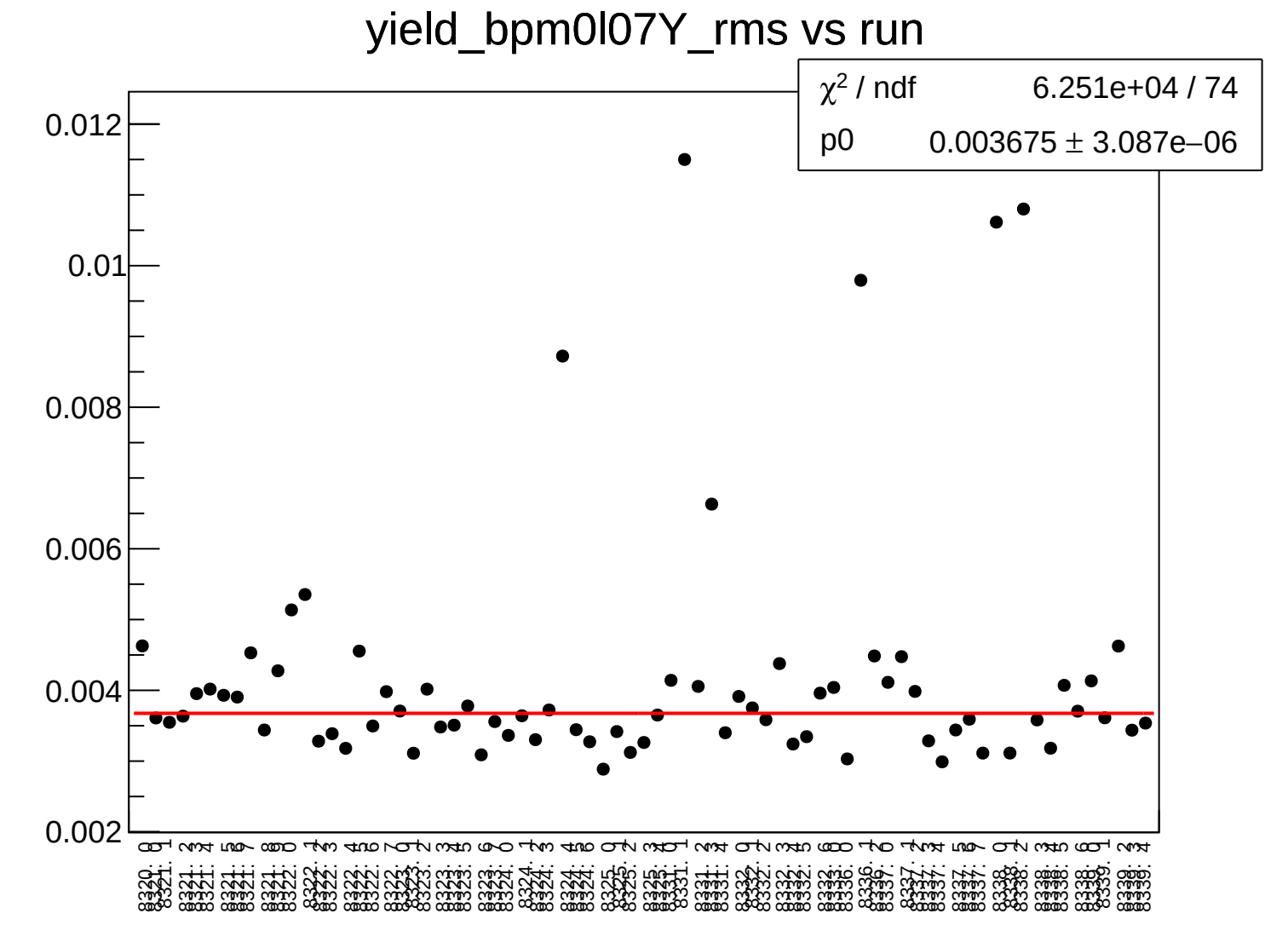

yield_bpm0l06Y_rms vs run
χ² / ndf 7.424e+04 / 74
p0 0.00454 ± 3.829e–06
0.016
0.014
0.012
0.01
0.008
0.006
0.004

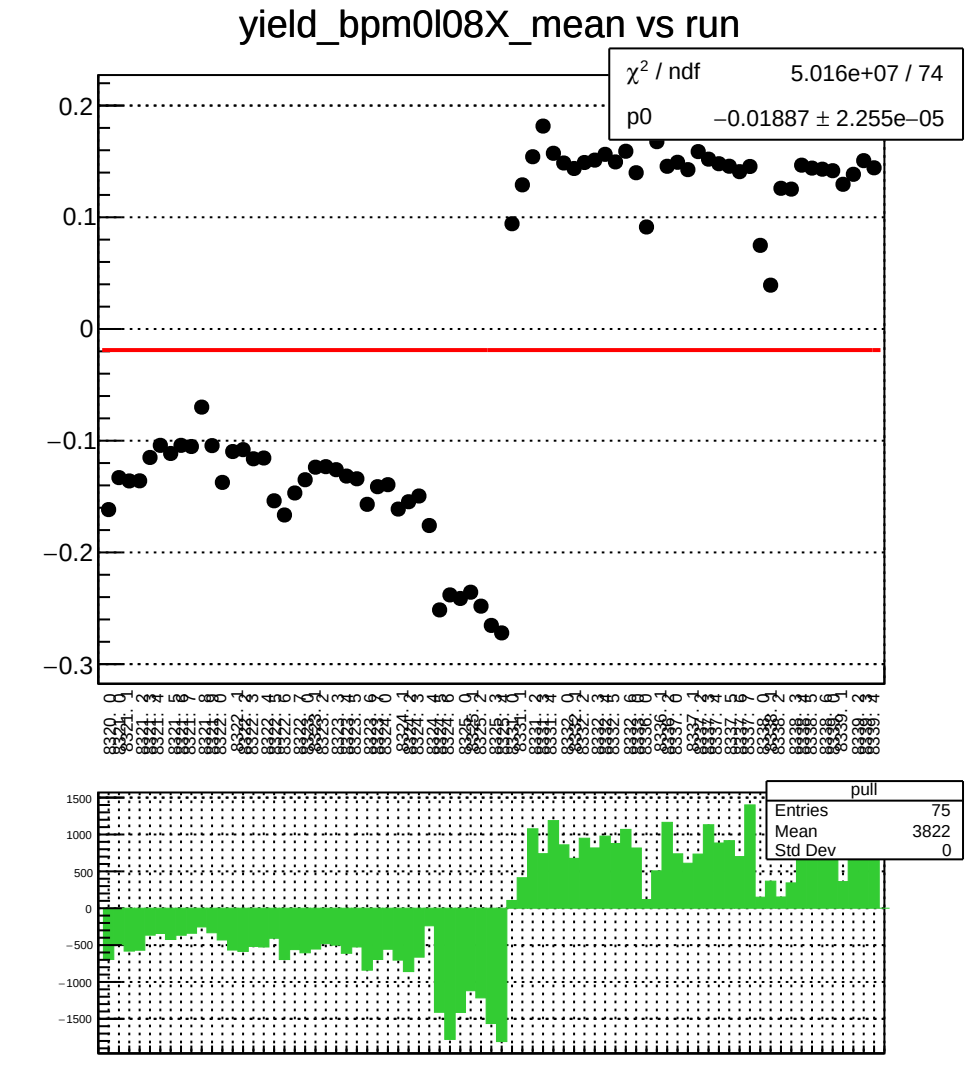

yield_bpm0l07X_mean vs run
χ² / ndf 3.239e+07 / 74
p0 −0.3027 ± 2.514e−05
pull
Entries 75
Mean 2481
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0

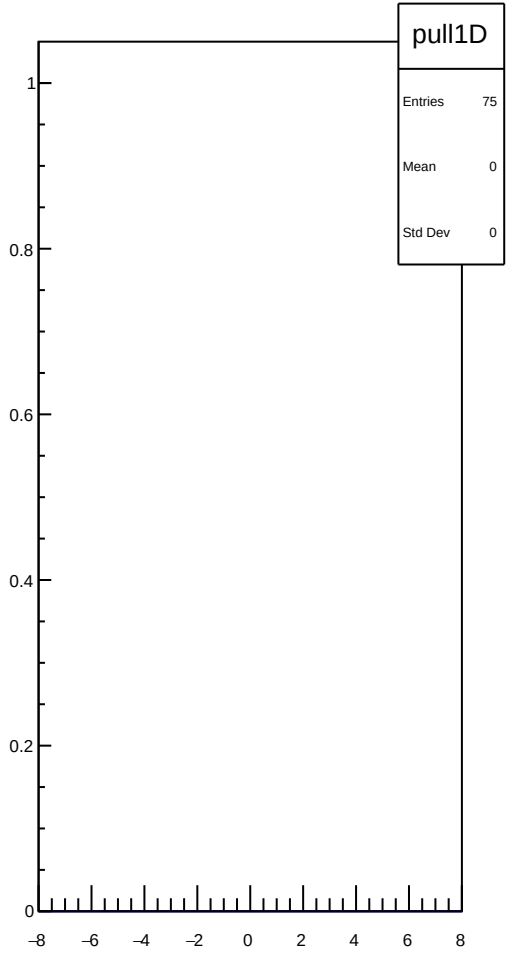

yield_bpm0l07X_rms vs run
χ^2 / ndf 1.103e+05 / 74
p0 0.0208 ± 1.777e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

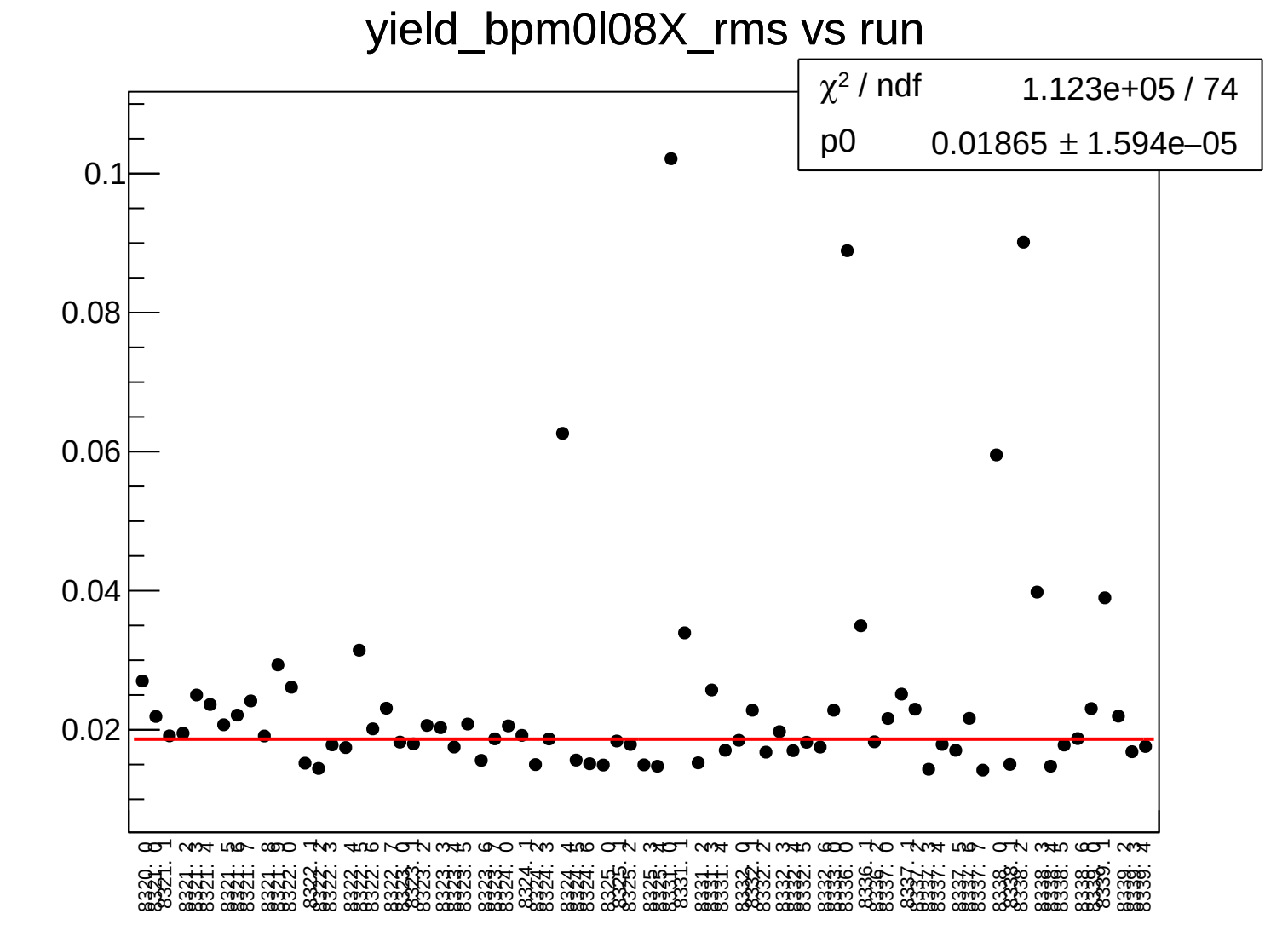

yield_bpm0l07Y_mean vs run
χ² / ndf 3.385e+06 / 74
p0 0.3966 ± 4.365e−06
0.425
0.42
0.415
0.41
0.405
0.4
0.395
0.39
0.385
pull
Entries 75
Mean 151.8
Std Dev 0
600
400
200
0
−200

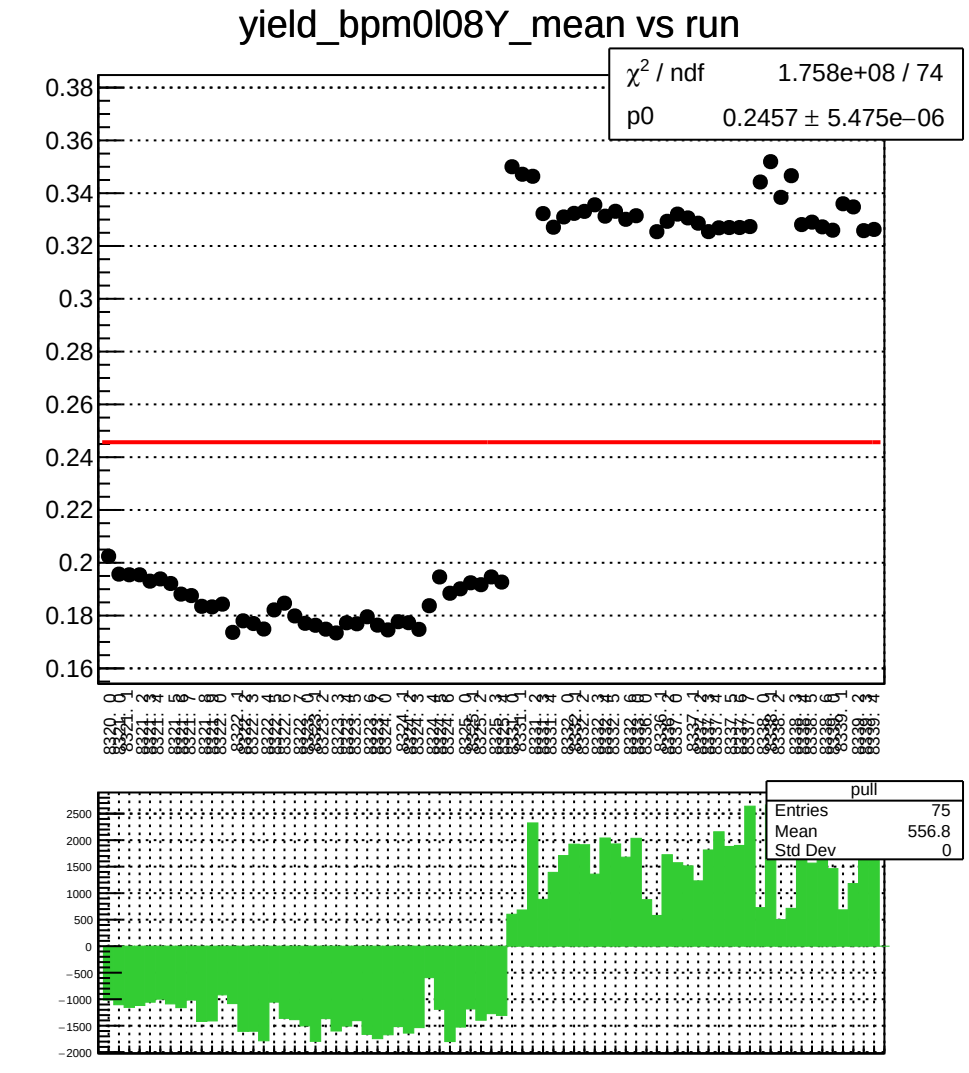

pull1D
Entries 75
Mean −4.24
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

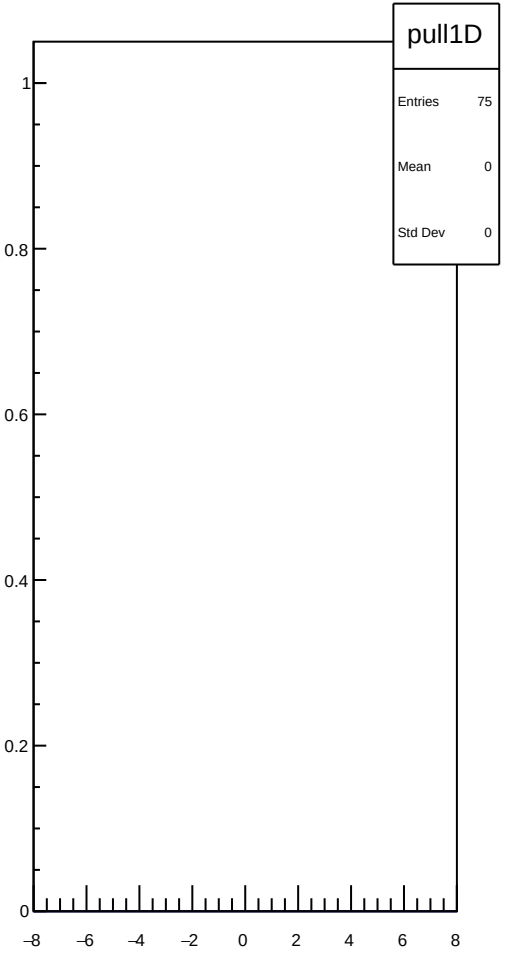

yield_bpm0l07Y_rms vs run
χ² / ndf 6.251e+04 / 74
p0 0.003675 ± 3.087e−06
0.012
0.01
0.008
0.006
0.004
0.002

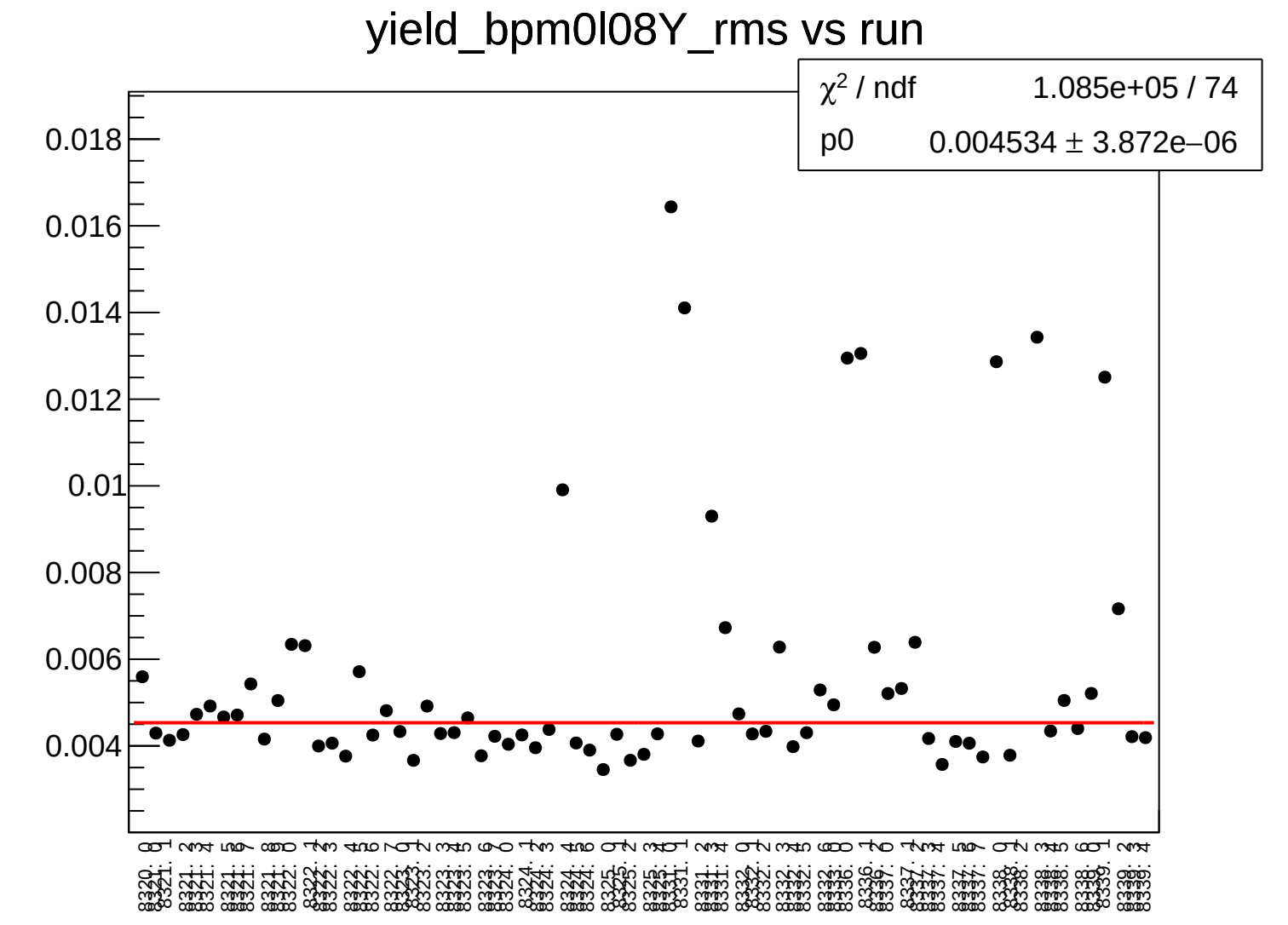

yield_bpm0l08X_mean vs run
χ² / ndf 5.016e+07 / 74
p0 −0.01887 ± 2.255e−05
pull
Entries 75
Mean 3822
Std Dev 0

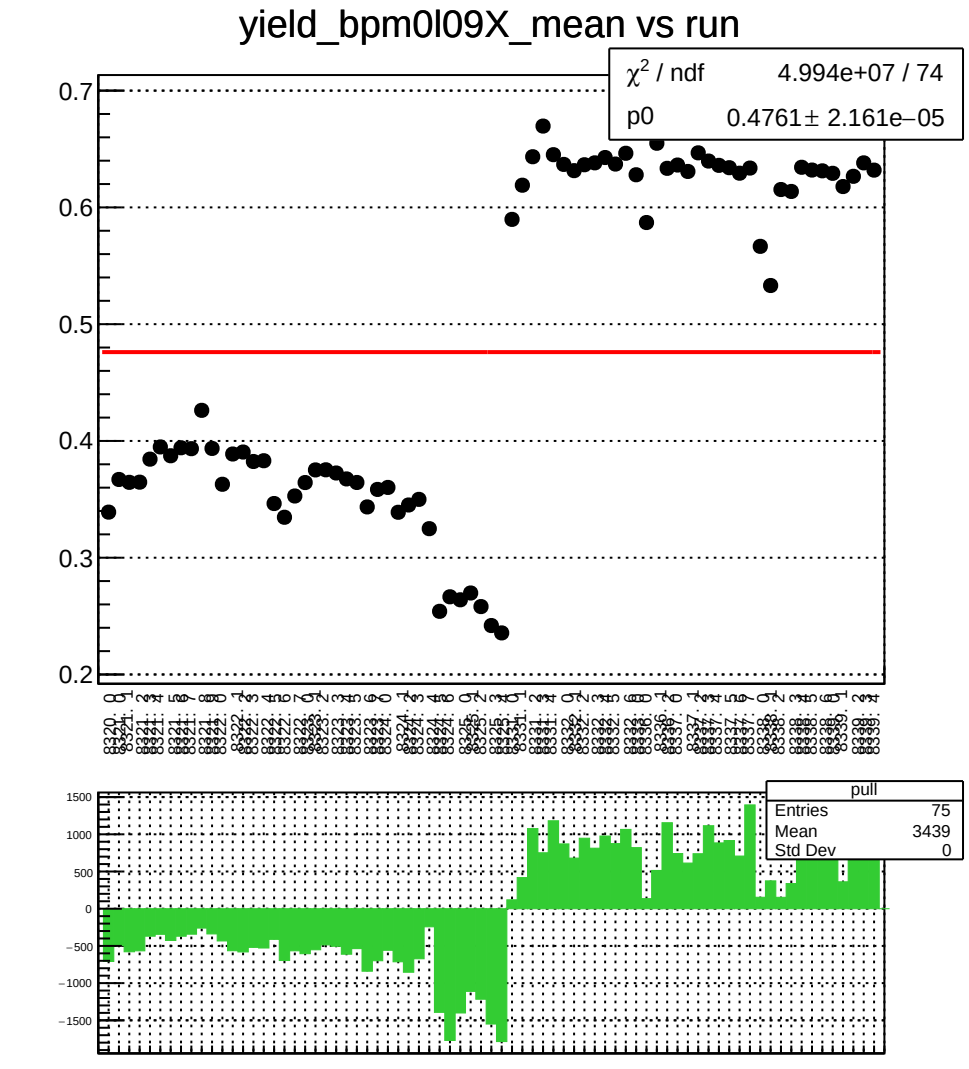

pull1D
Entries 75
Mean 0
Std Dev 0

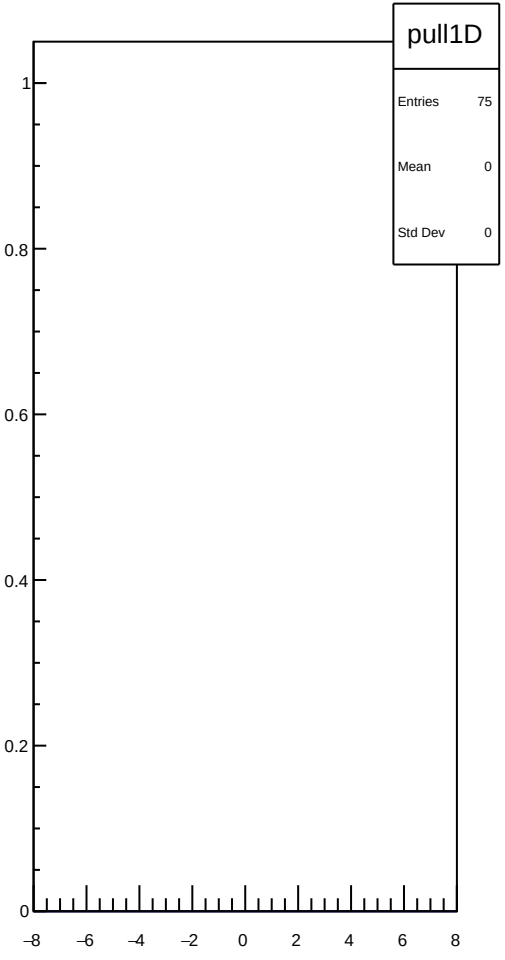

yield_bpm0l08X_rms vs run
χ² / ndf 1.123e+05 / 74
p0 0.01865 ± 1.594e–05
0.1
0.08
0.06
0.04
0.02

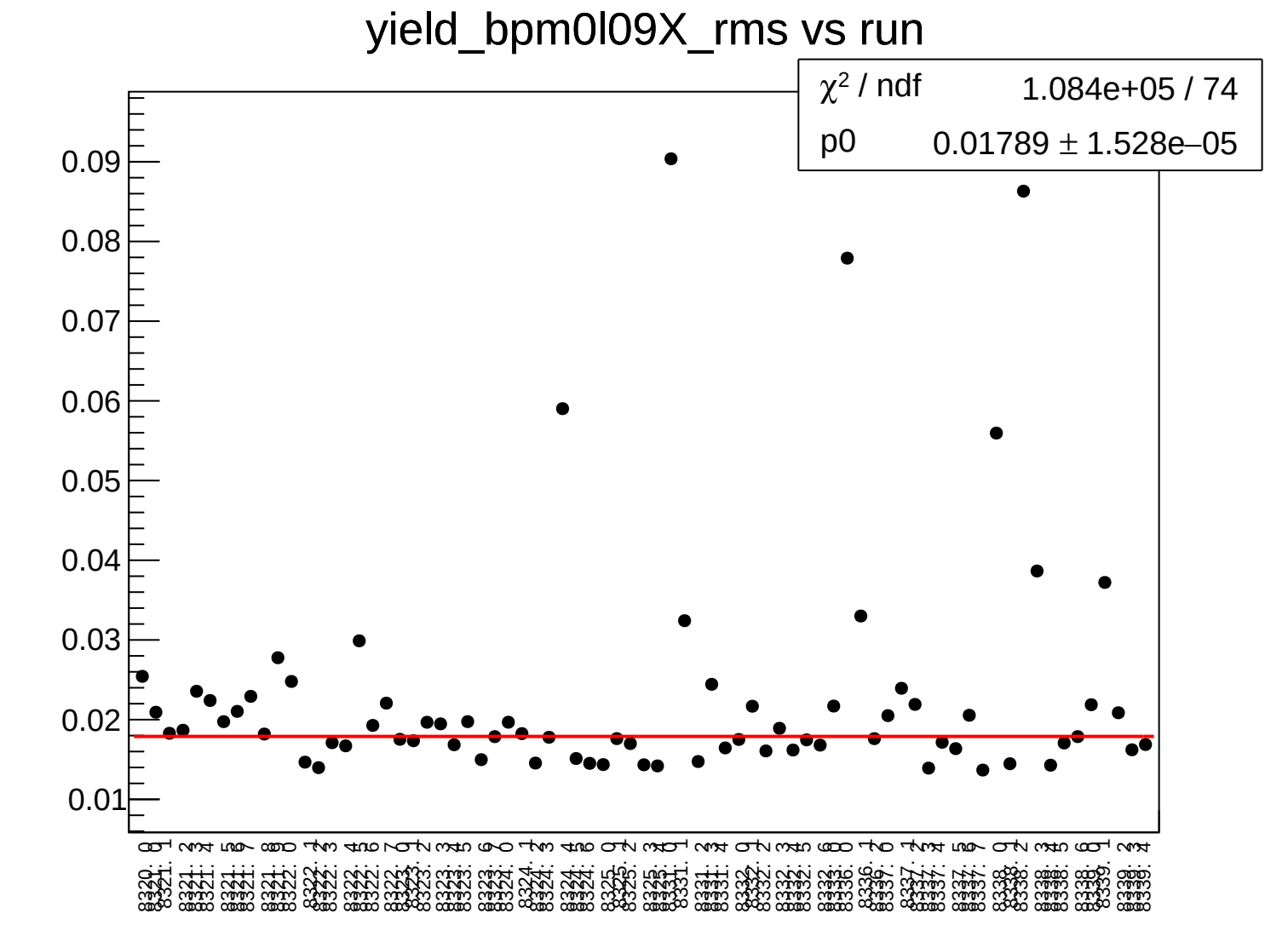

yield_bpm0l08Y_mean vs run
χ² / ndf 1.758e+08 / 74
p0 0.2457 ± 5.475e−06
pull
Entries 75
Mean 556.8
Std Dev 0

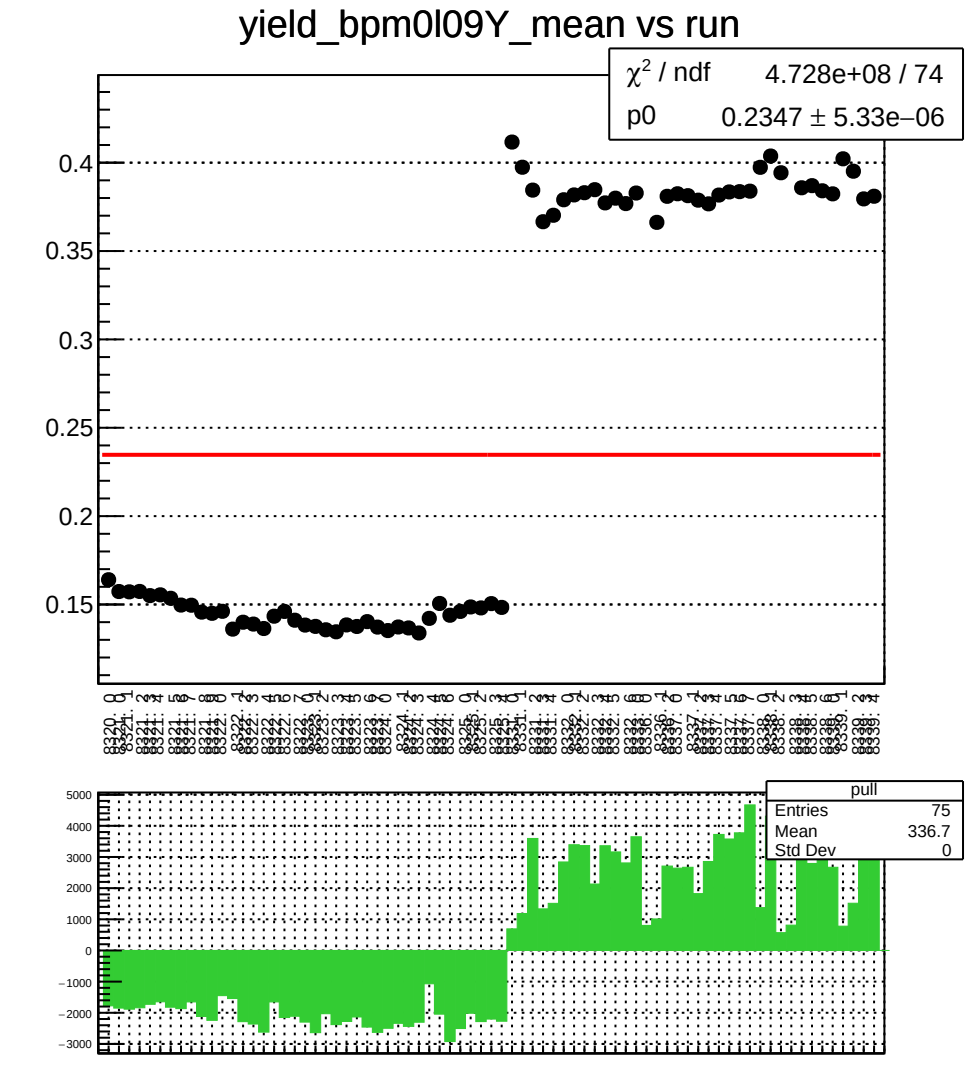

pull1D
Entries 75
Mean 0
Std Dev 0

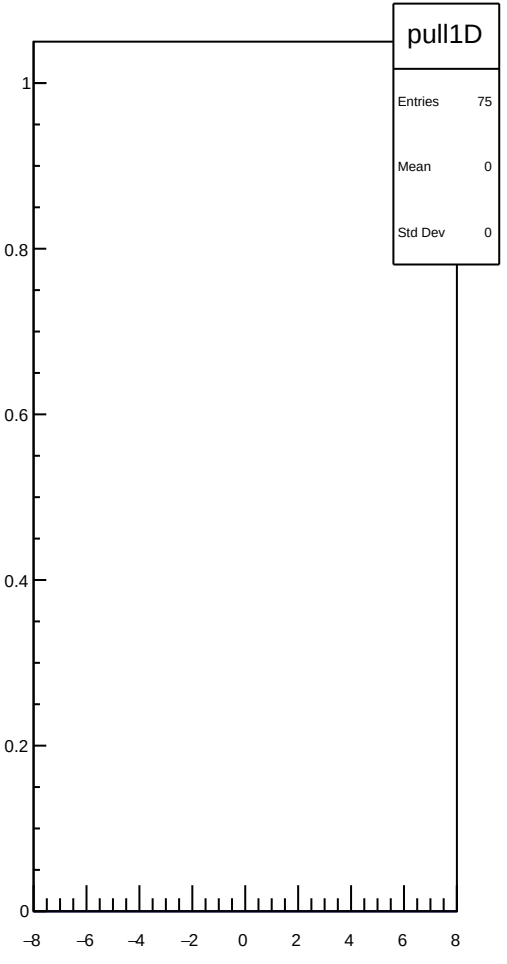

yield_bpm0l08Y_rms vs run
χ² / ndf 1.085e+05 / 74
p0 0.004534 ± 3.872e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

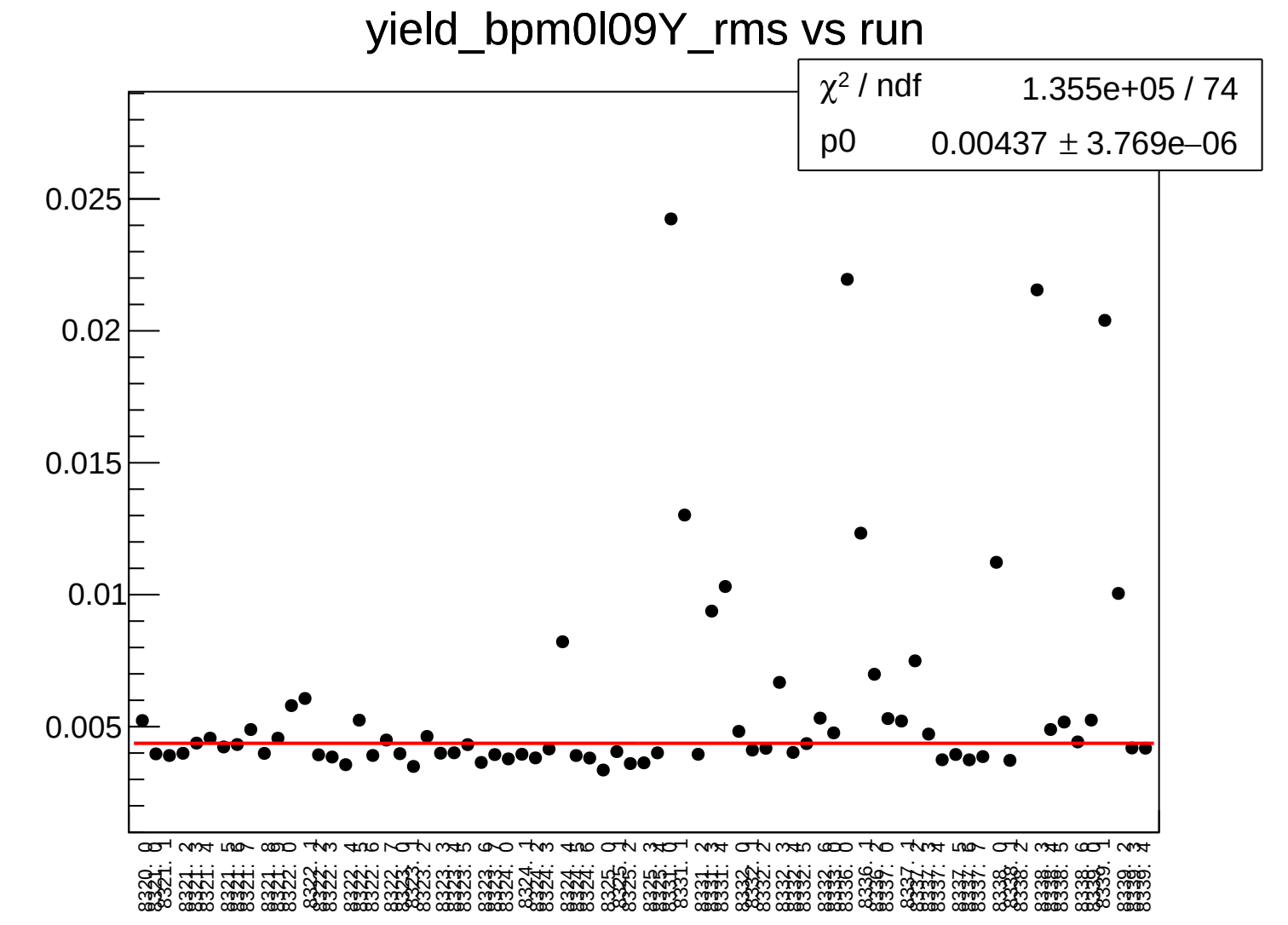

yield_bpm0l09X_mean vs run
χ² / ndf 4.994e+07 / 74
p0 0.4761 ± 2.161e−05
pull
Entries 75
Mean 3439
Std Dev 0

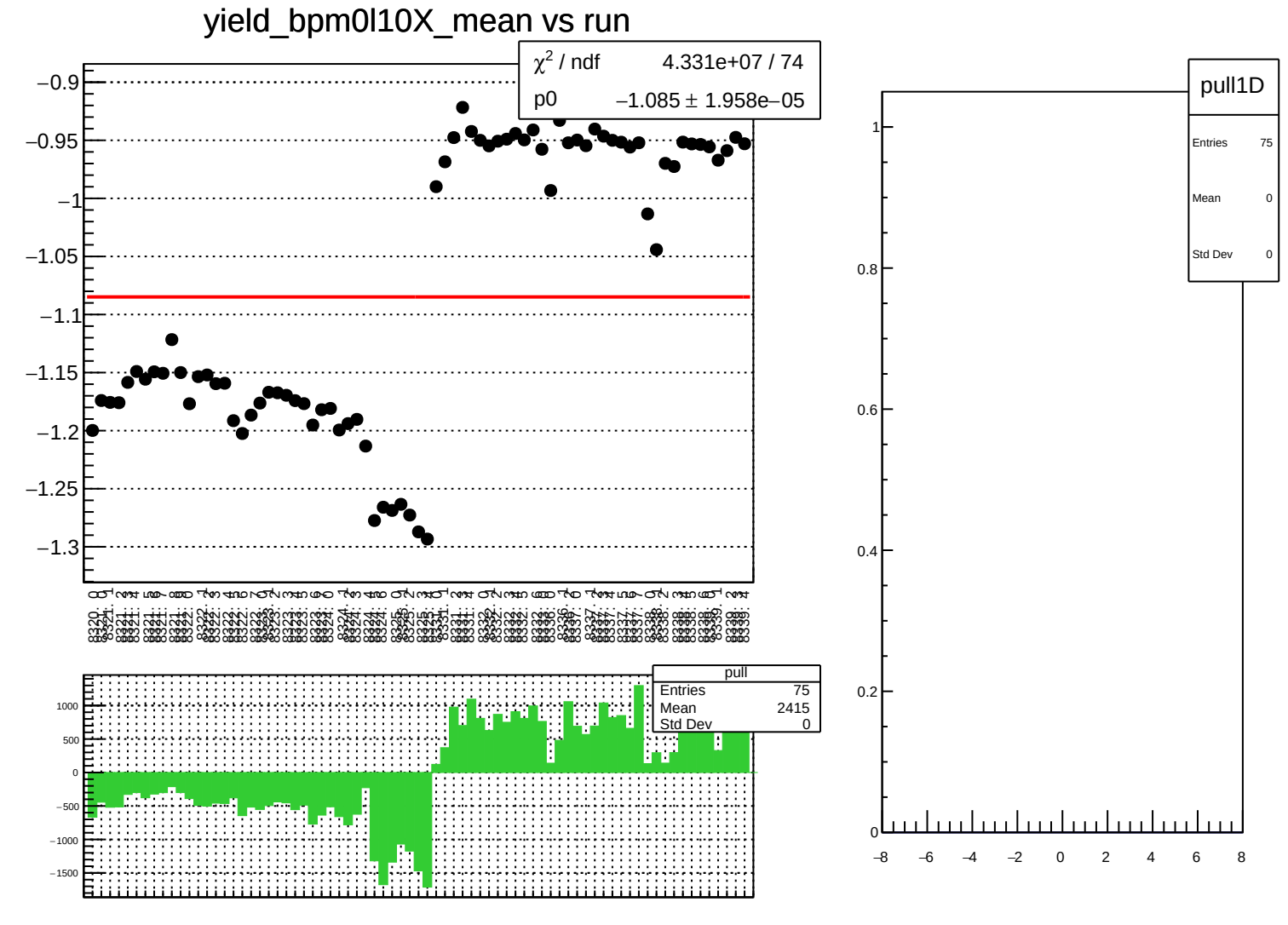

pull1D
Entries 75
Mean 0
Std Dev 0

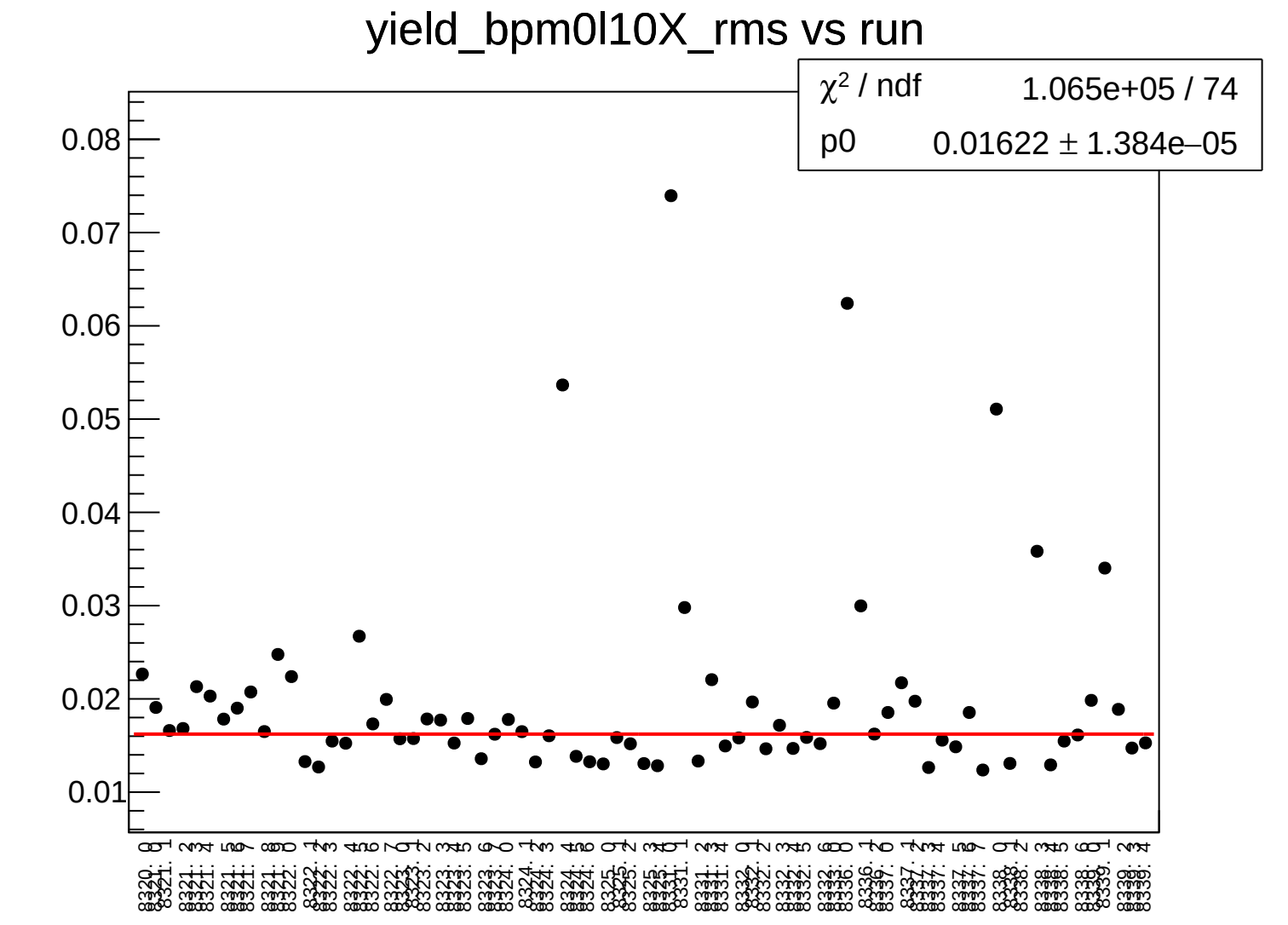

yield_bpm0l09X_rms vs run
χ² / ndf 1.084e+05 / 74
p0 0.01789 ± 1.528e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

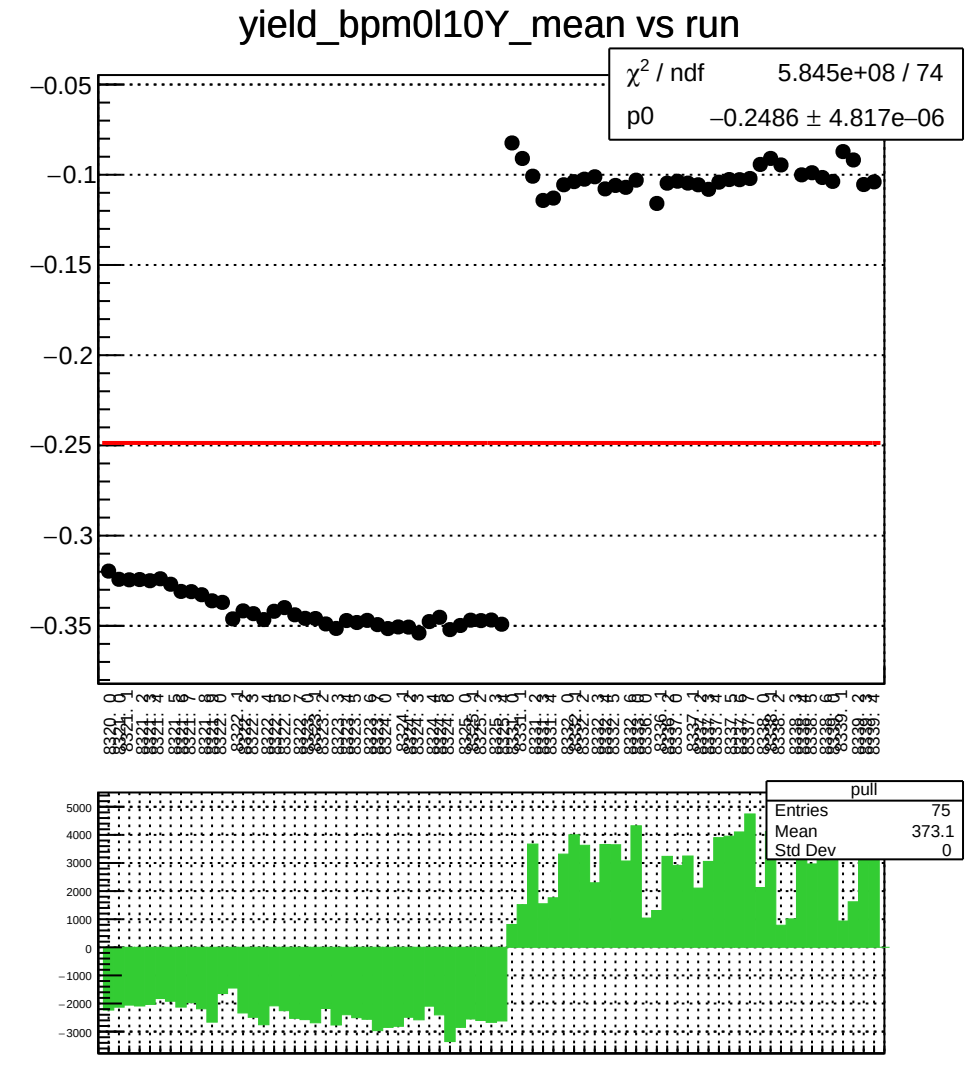

yield_bpm0l09Y_mean vs run
χ² / ndf 4.728e+08 / 74
p0 0.2347 ± 5.33e−06
pull
Entries 75
Mean 336.7
Std Dev 0

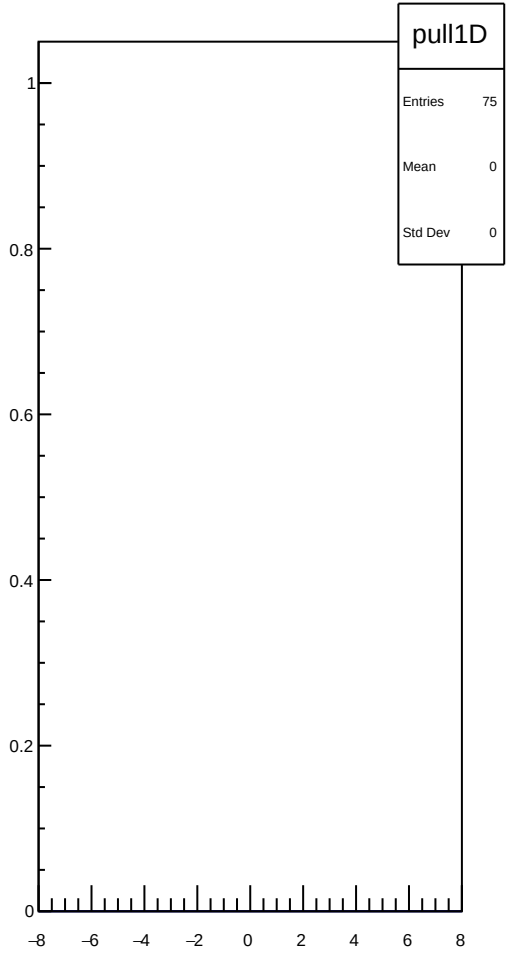

pull1D
Entries 75
Mean 0
Std Dev 0

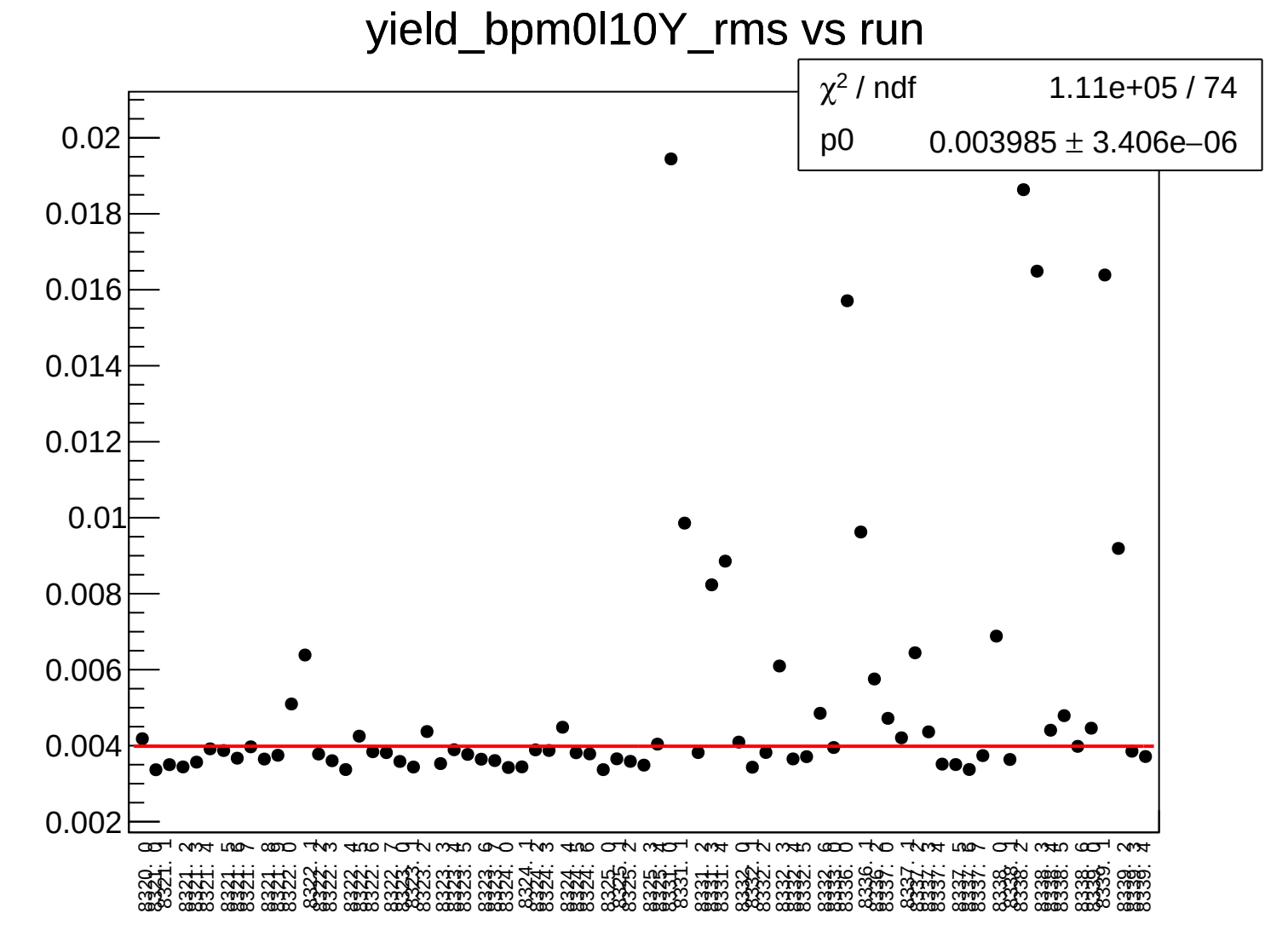

yield_bpm0l09Y_rms vs run
χ² / ndf 1.355e+05 / 74
p0 0.00437 ± 3.769e–06
0.025
0.02
0.015
0.01
0.005

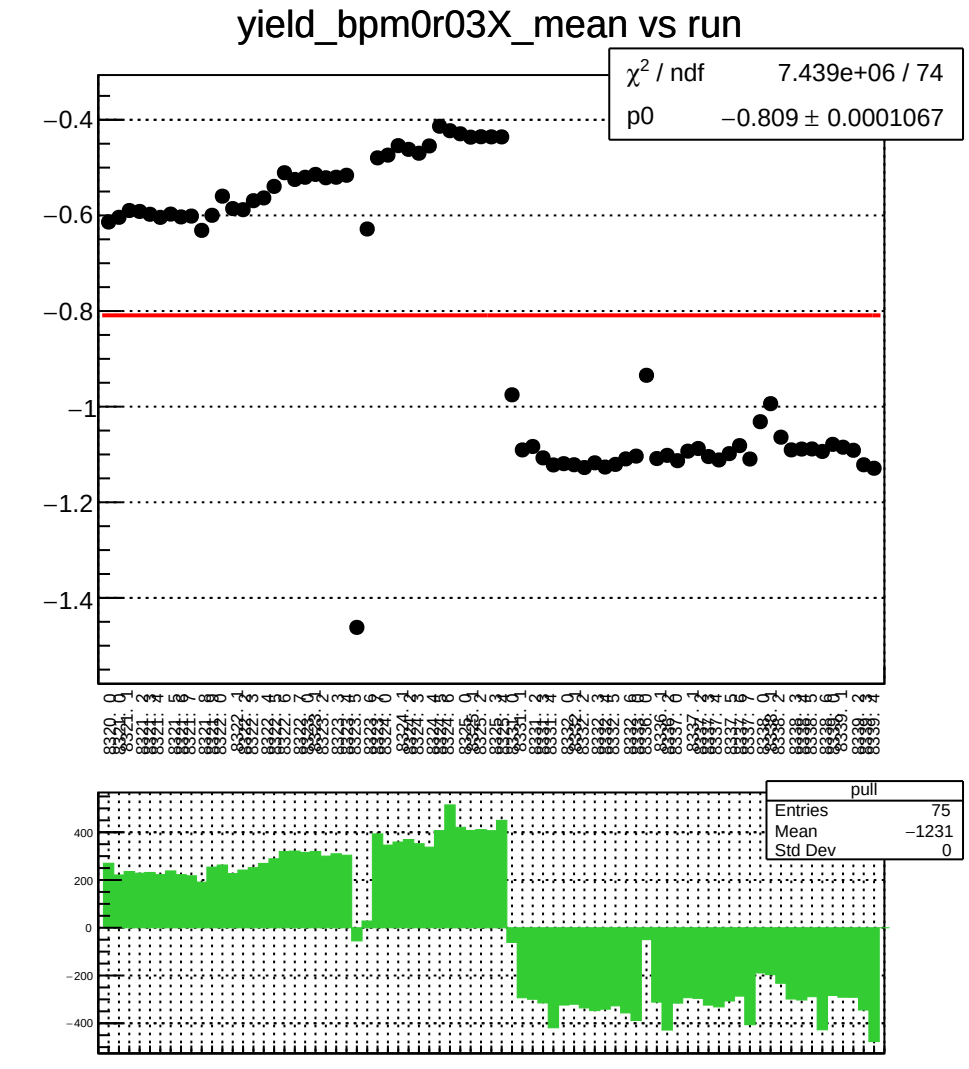

yield_bpm0l10X_mean vs run
χ² / ndf 4.331e+07 / 74
p0 −1.085 ± 1.958e−05
pull
Entries 75
Mean 2415
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0

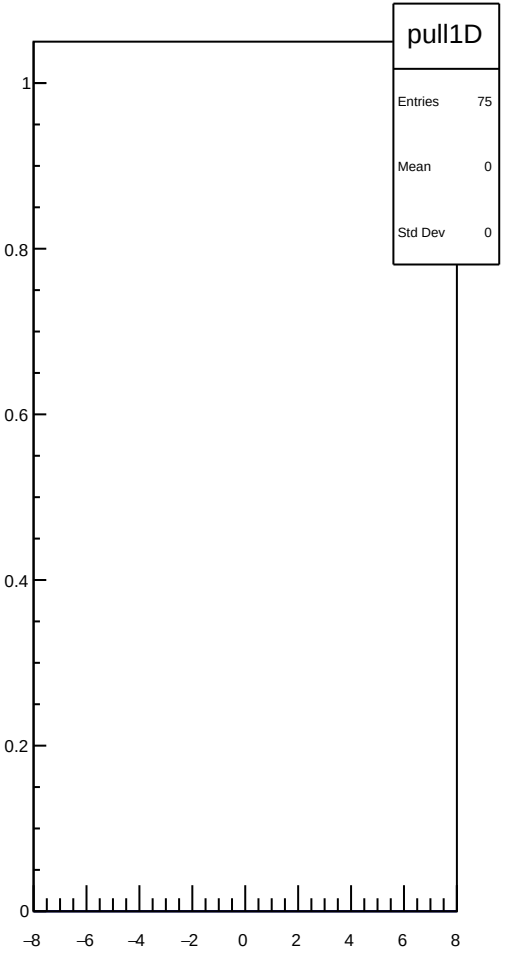

yield_bpm0l10X_rms vs run
χ² / ndf 1.065e+05 / 74
p0 0.01622 ± 1.384e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

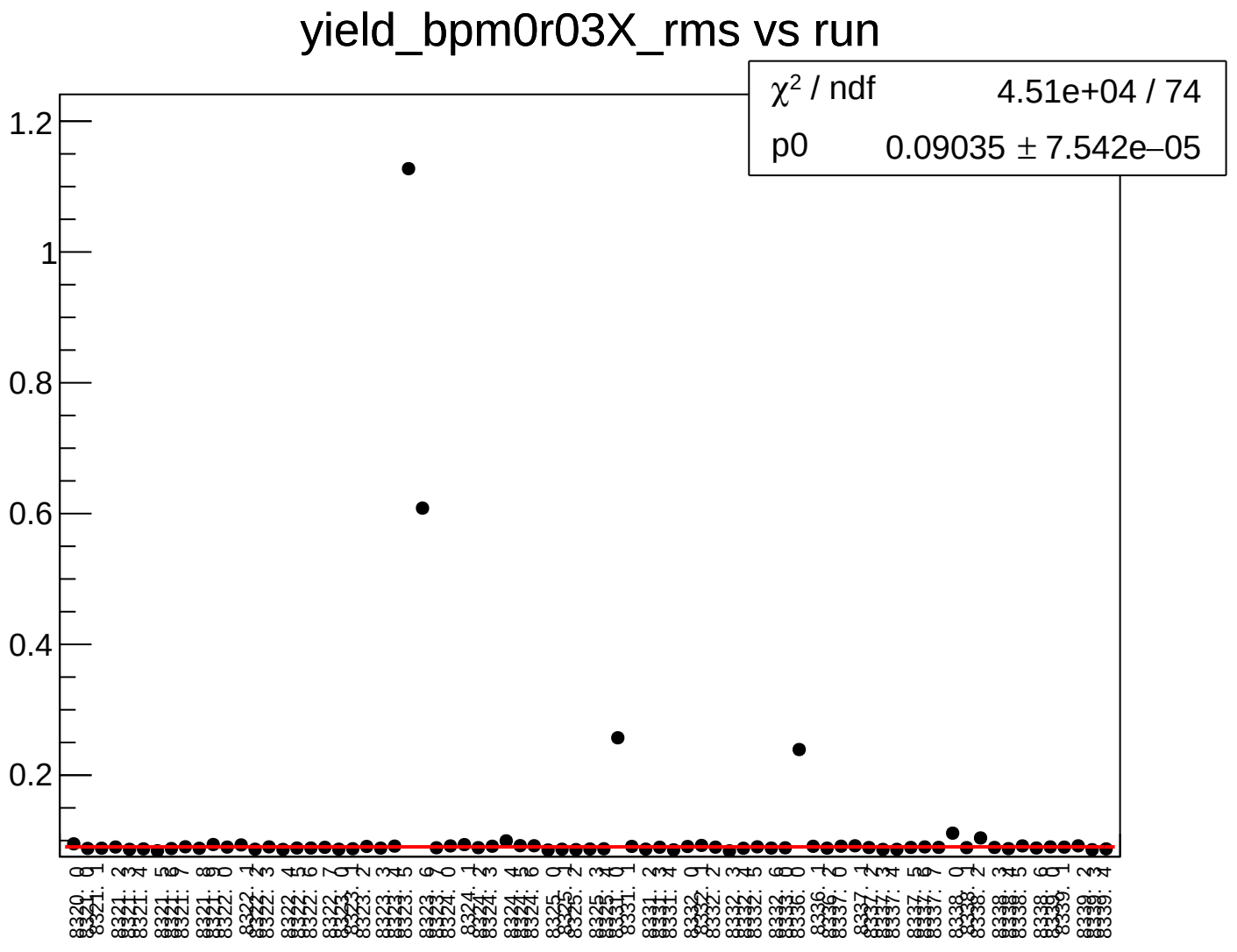

yield_bpm0l10Y_mean vs run
χ² / ndf 5.845e+08 / 74
p0 −0.2486 ± 4.817e−06
pull
Entries 75
Mean 373.1
Std Dev 0

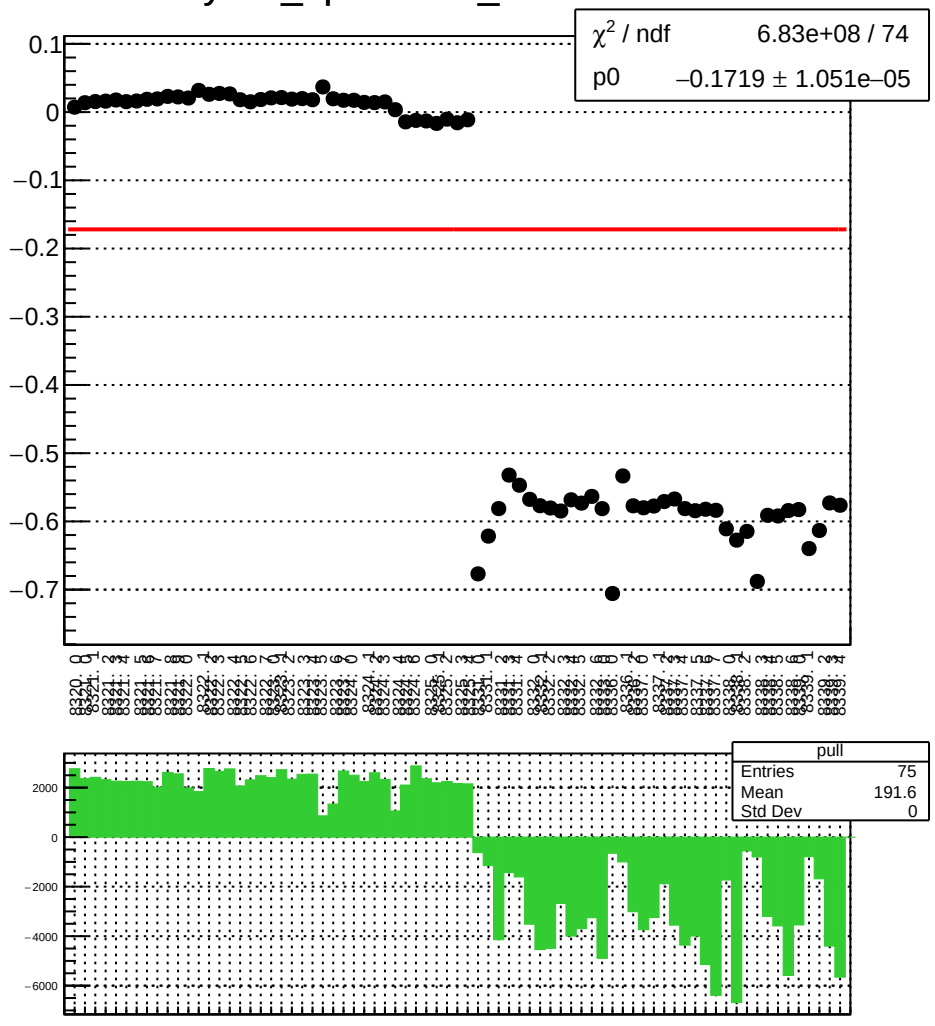

pull1D
Entries 75
Mean 0
Std Dev 0

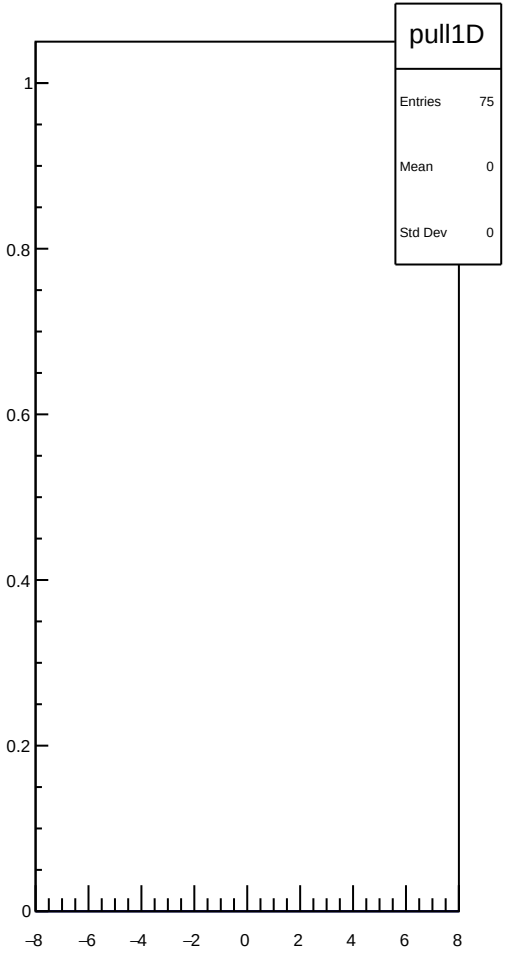

yield_bpm0l10Y_rms vs run
χ² / ndf 1.11e+05 / 74
p0 0.003985 ± 3.406e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

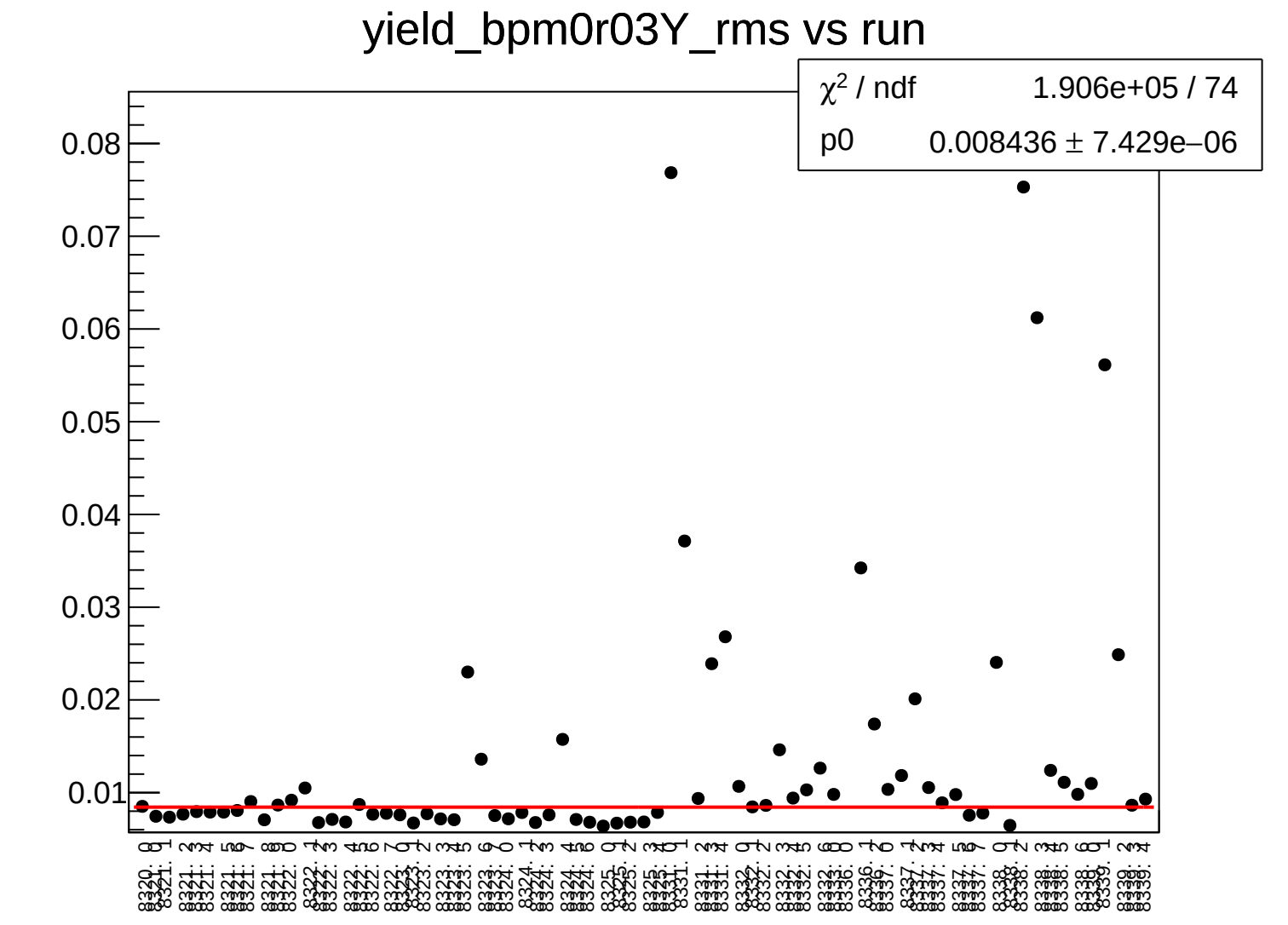

yield_bpm0r03X_mean vs run
χ² / ndf 7.439e+06 / 74
p0 −0.809 ± 0.0001067
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull
Entries 75
Mean −1231
Std Dev 0
400
200
0
−200
−400

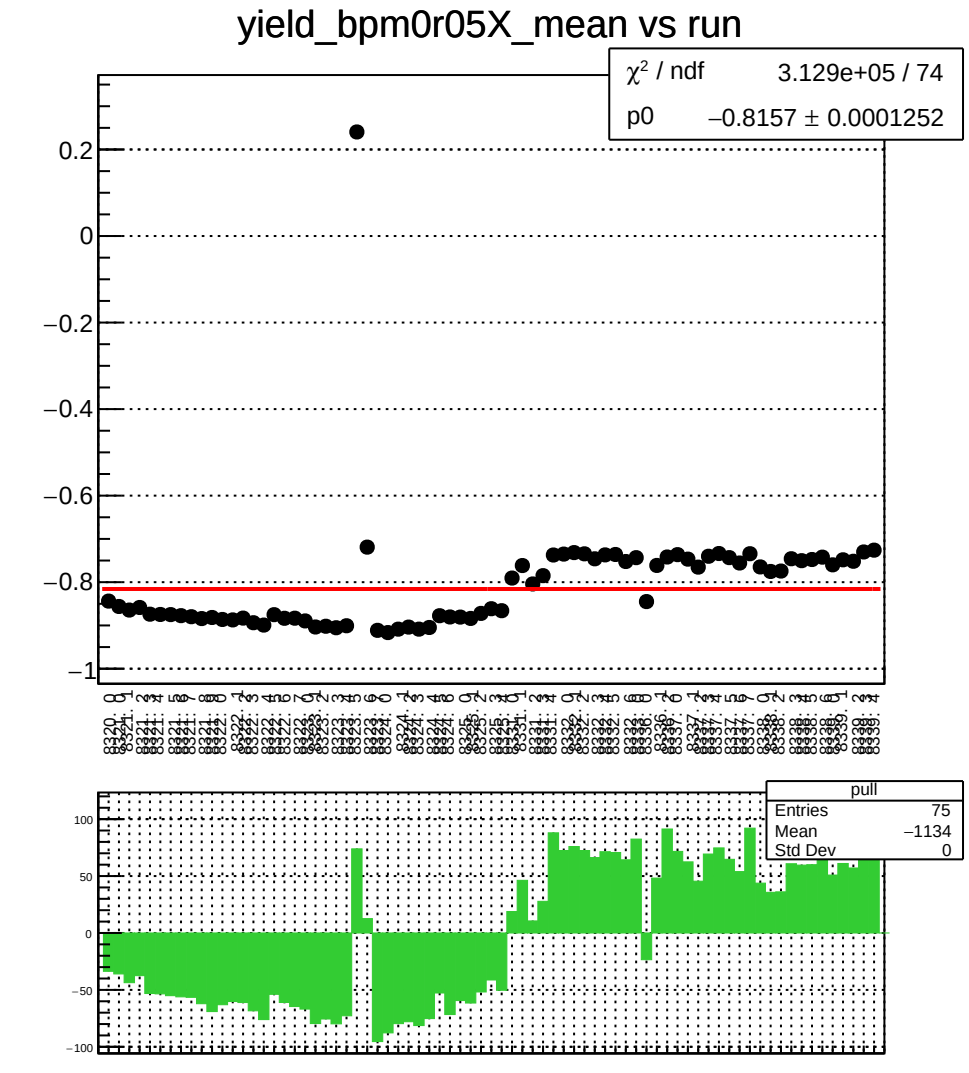

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

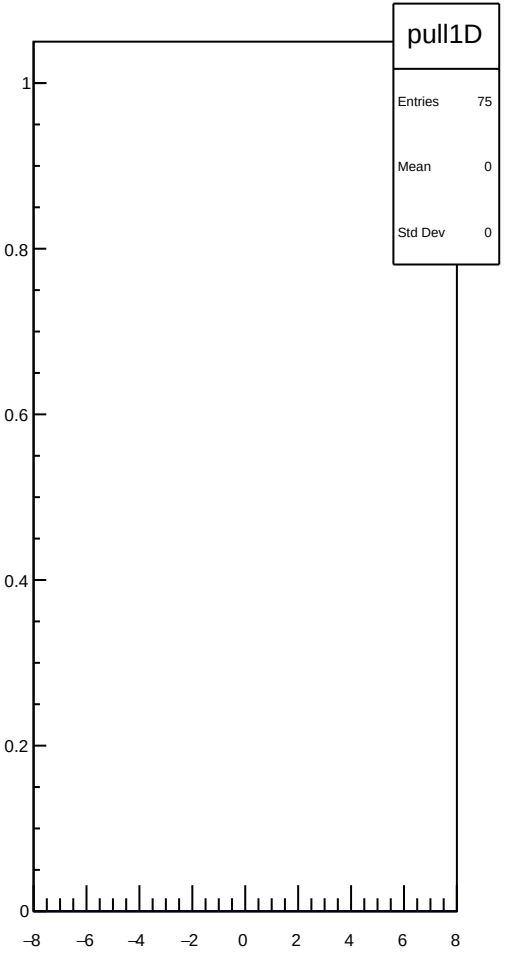

yield_bpm0r03X_rms vs run
χ² / ndf 4.51e+04 / 74
p0 0.09035 ± 7.542e−05
1.2
1
0.8
0.6
0.4
0.2

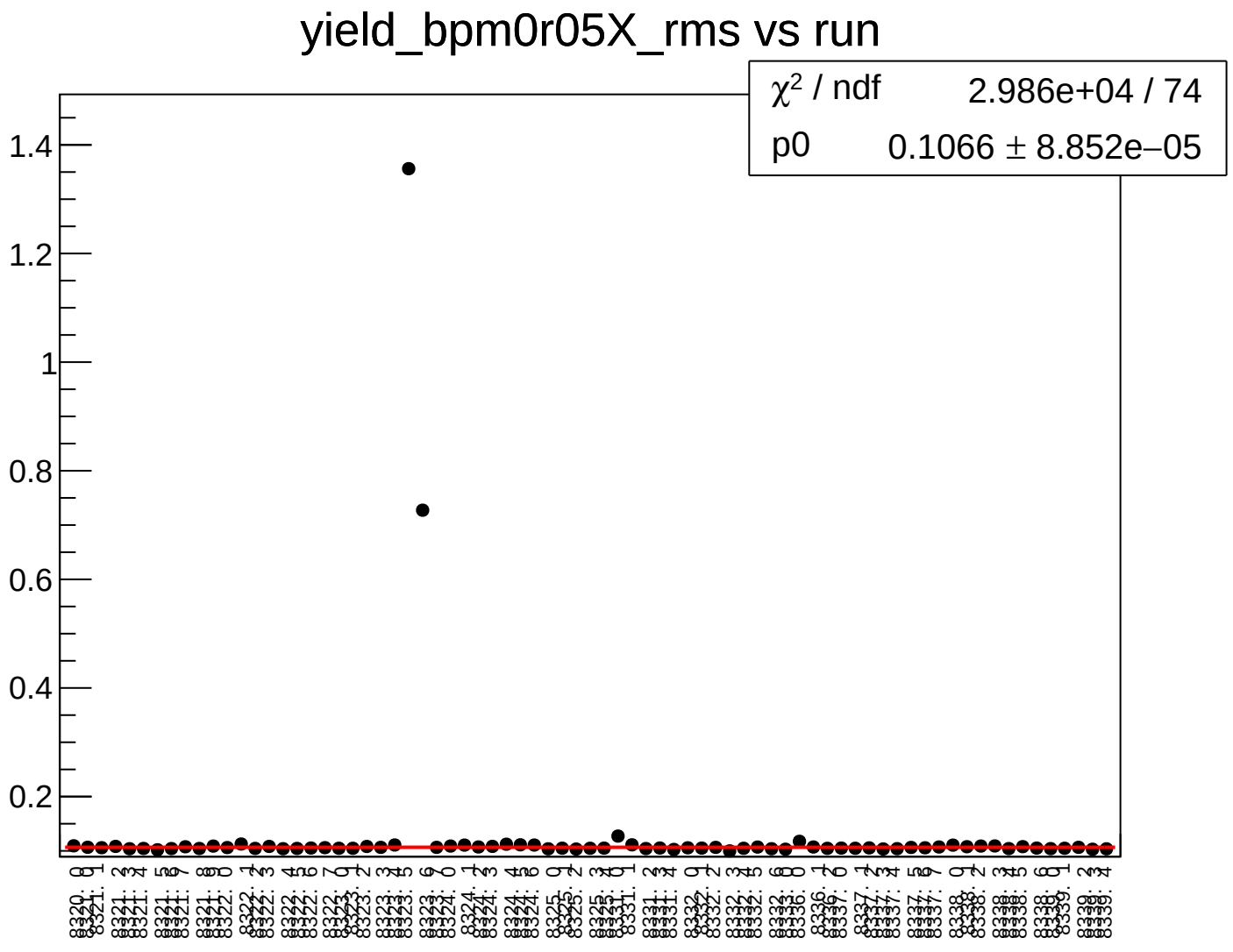

yield_bpm0r03Y_mean vs run
χ² / ndf 6.83e+08 / 74
p0 −0.1719 ± 1.051e−05
pull
Entries 75
Mean 191.6
Std Dev 0

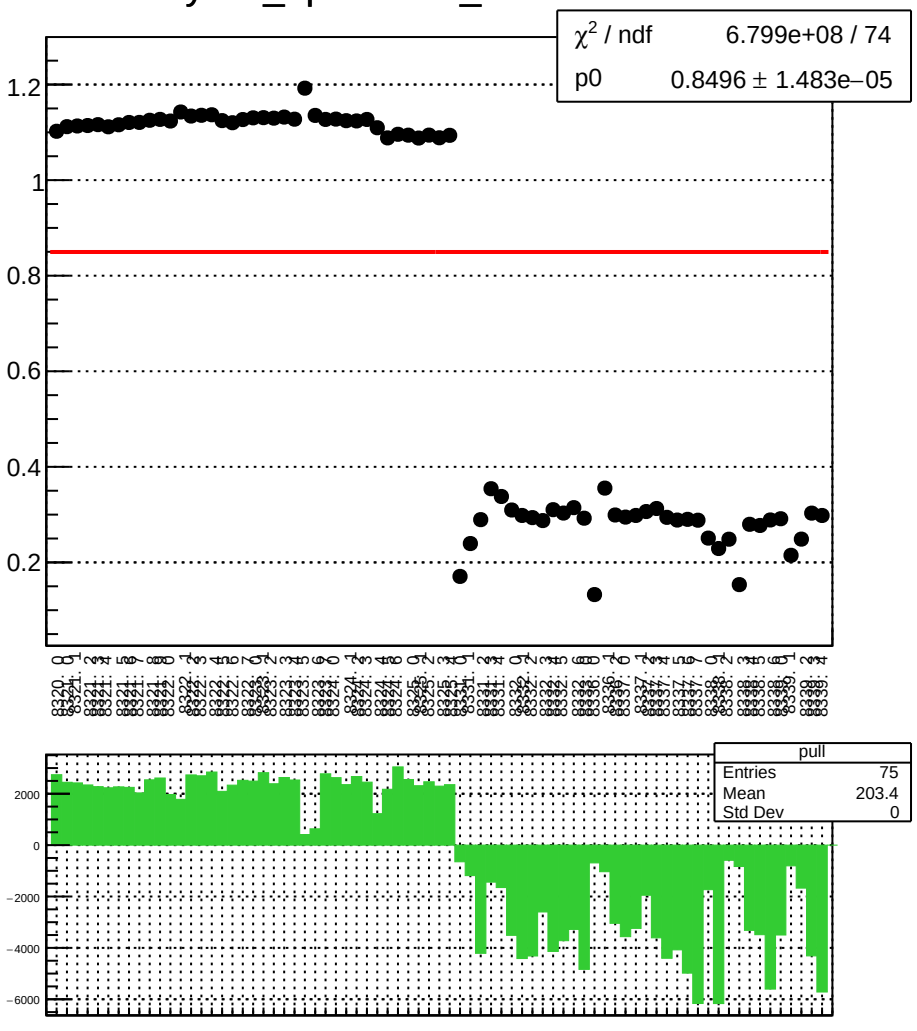

pull1D
Entries 75
Mean 0
Std Dev 0

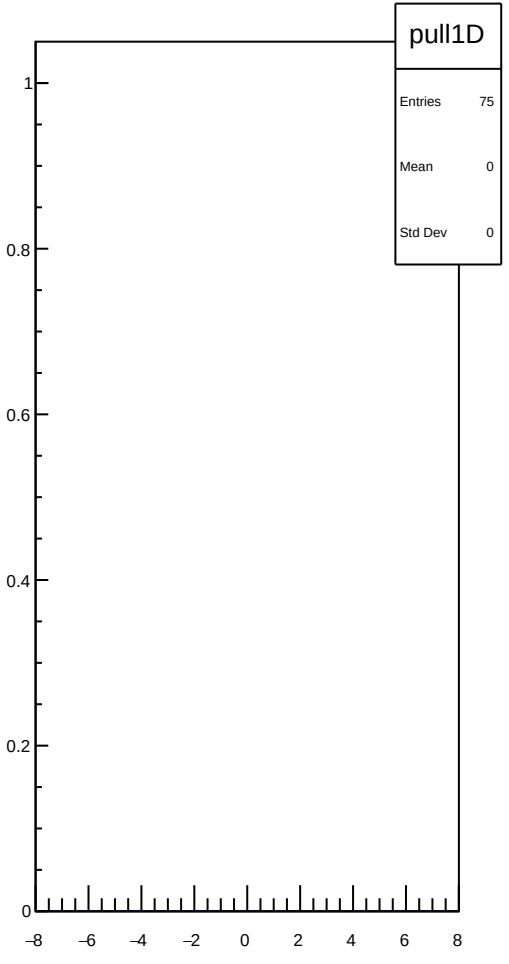

yield_bpm0r03Y_rms vs run
χ² / ndf 1.906e+05 / 74
p0 0.008436 ± 7.429e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

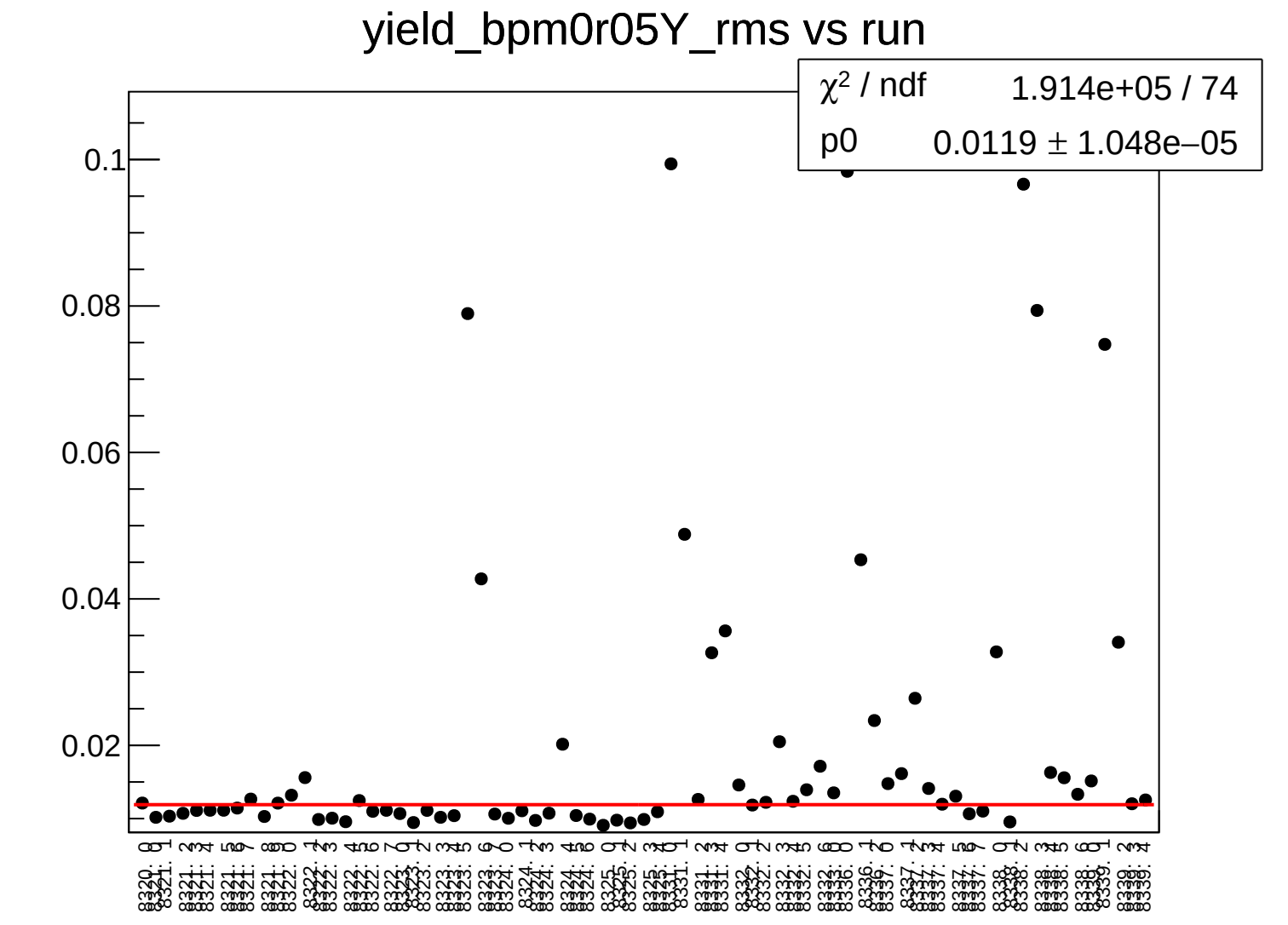

yield_bpm0r05X_mean vs run
χ² / ndf 3.129e+05 / 74
p0 −0.8157 ± 0.0001252
pull
Entries 75
Mean −1134
Std Dev 0

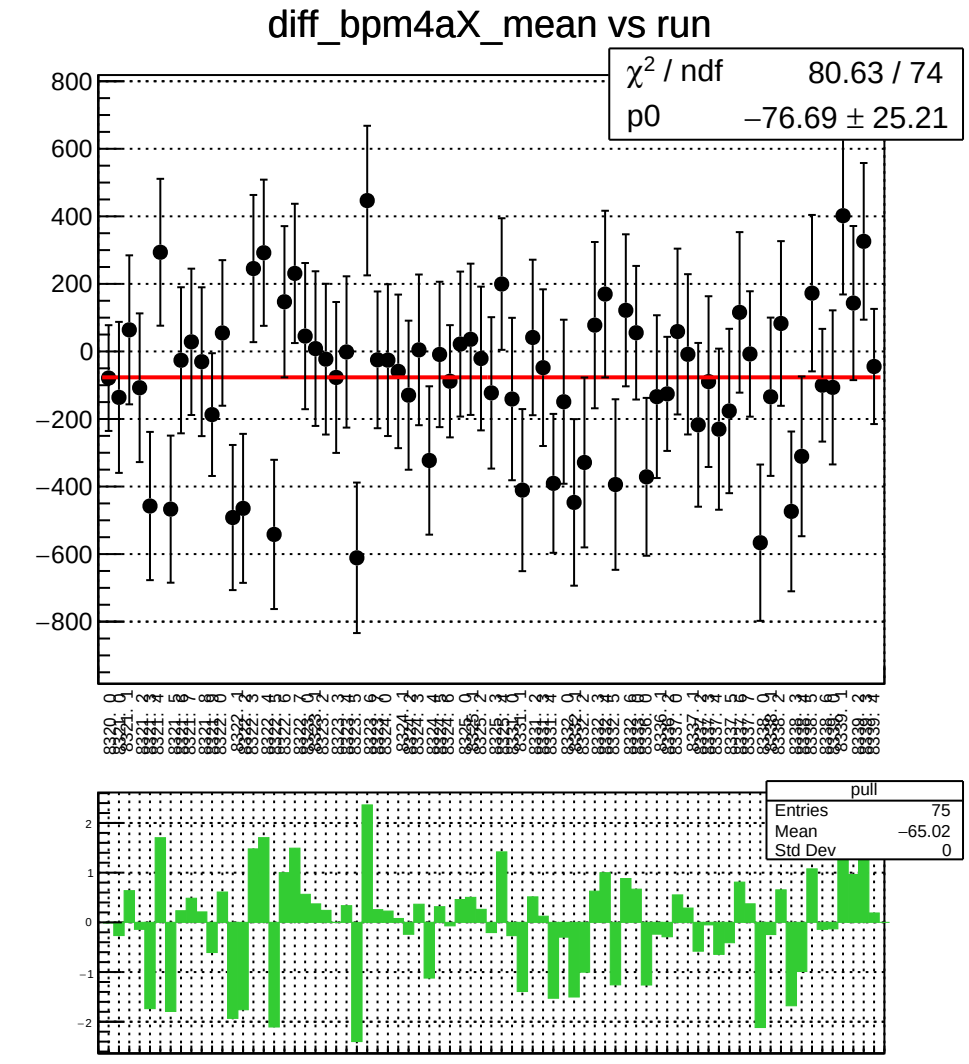

pull1D
Entries 75
Mean 0
Std Dev 0

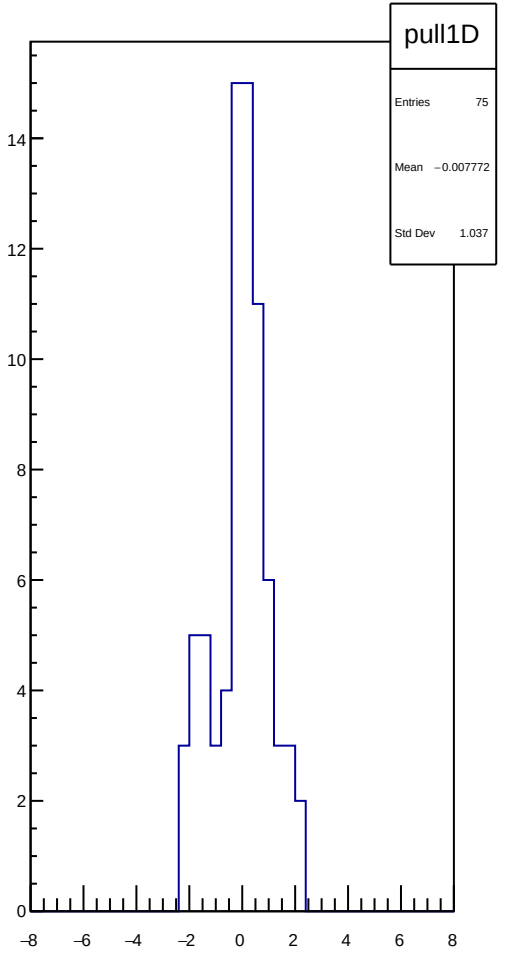

yield_bpm0r05X_rms vs run
χ² / ndf 2.986e+04 / 74
p0 0.1066 ± 8.852e−05
1.4
1.2
1
0.8
0.6
0.4
0.2

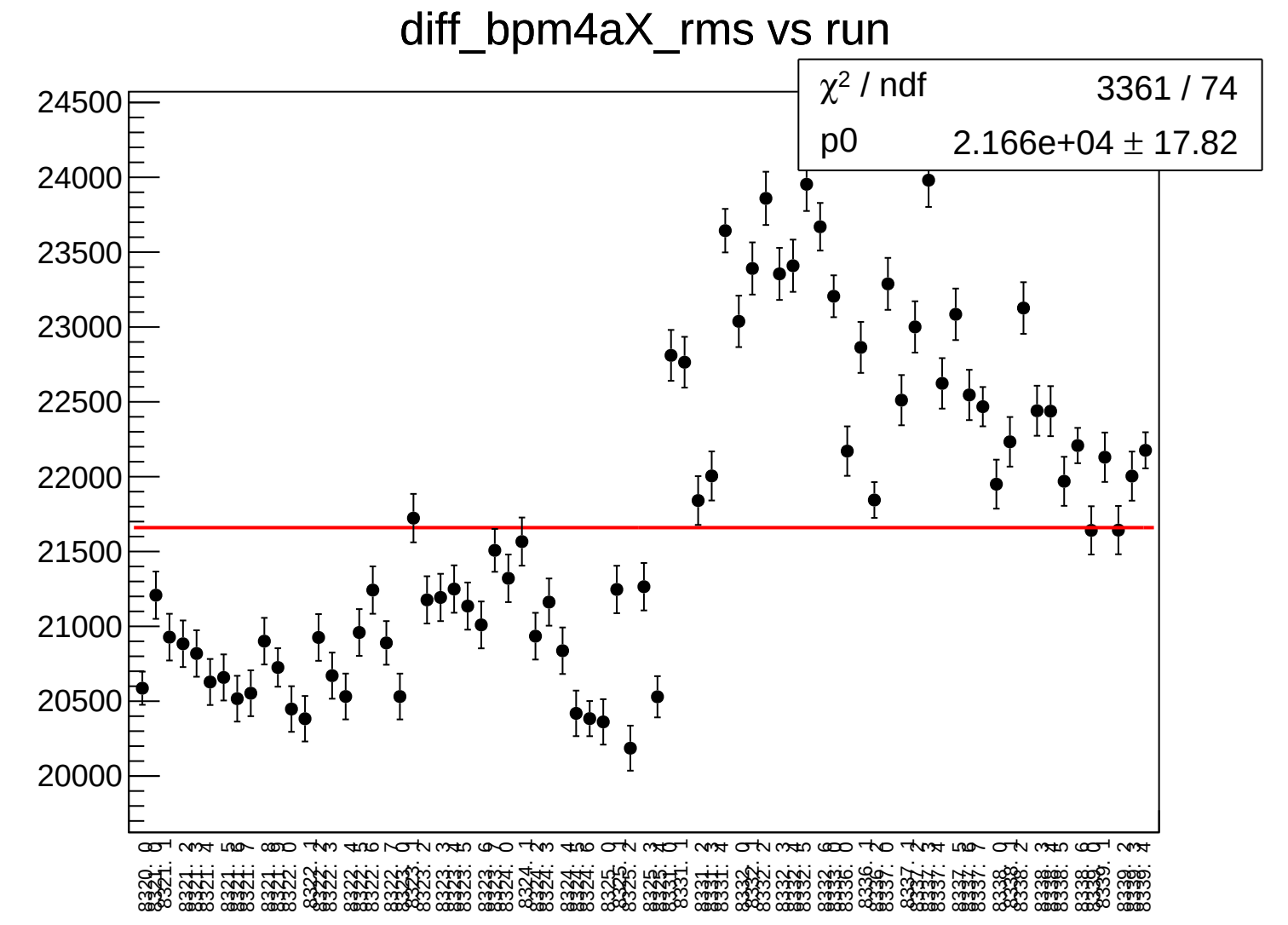

yield_bpm0r05Y_mean vs run
χ² / ndf 6.799e+08 / 74
p0 0.8496 ± 1.483e−05
pull
Entries 75
Mean 203.4
Std Dev 0

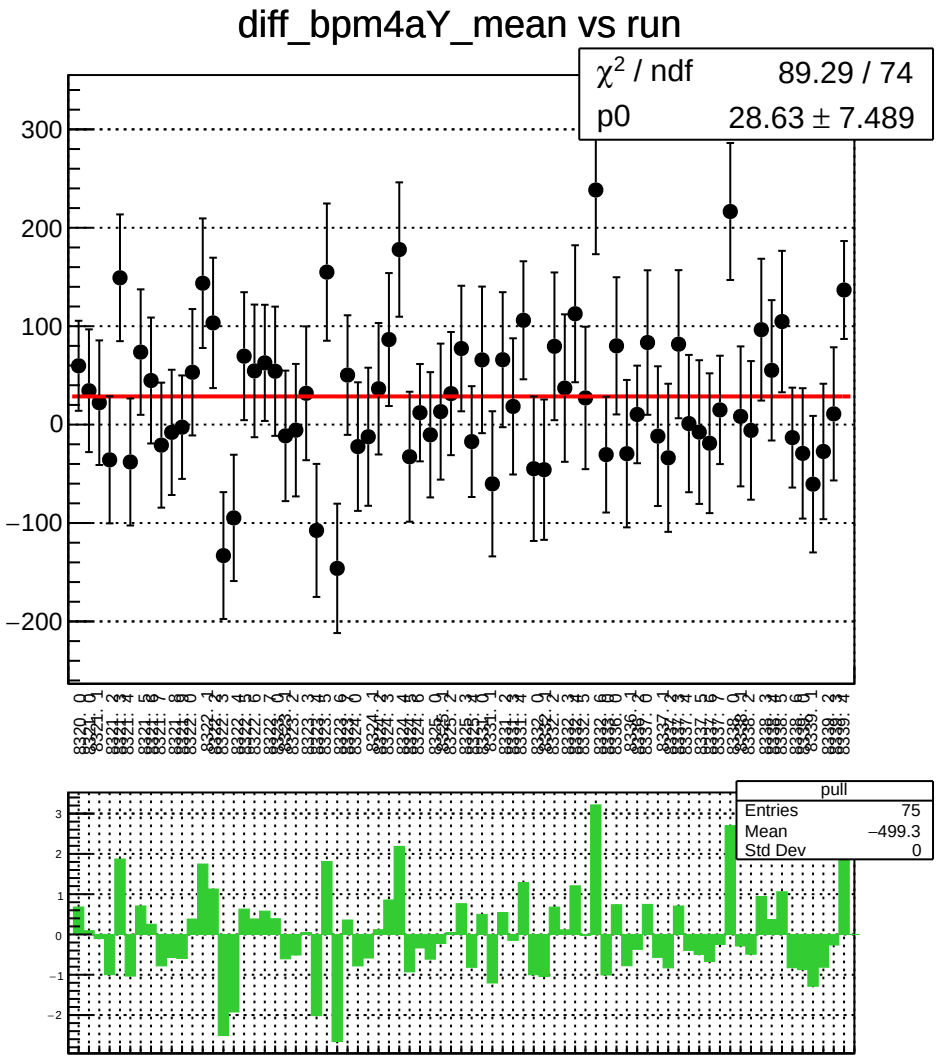

pull1D
Entries 75
Mean 0
Std Dev 0

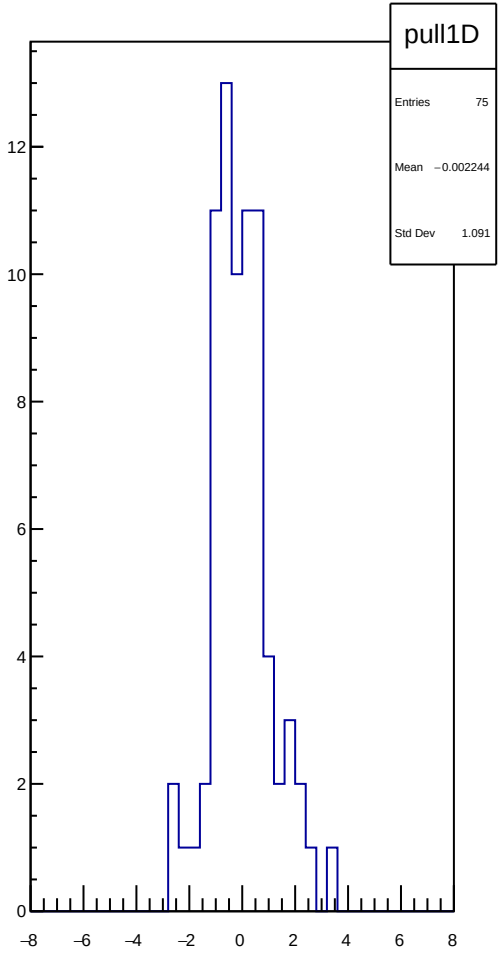

yield_bpm0r05Y_rms vs run
χ² / ndf 1.914e+05 / 74
p0 0.0119 ± 1.048e−05
0.1
0.08
0.06
0.04
0.02

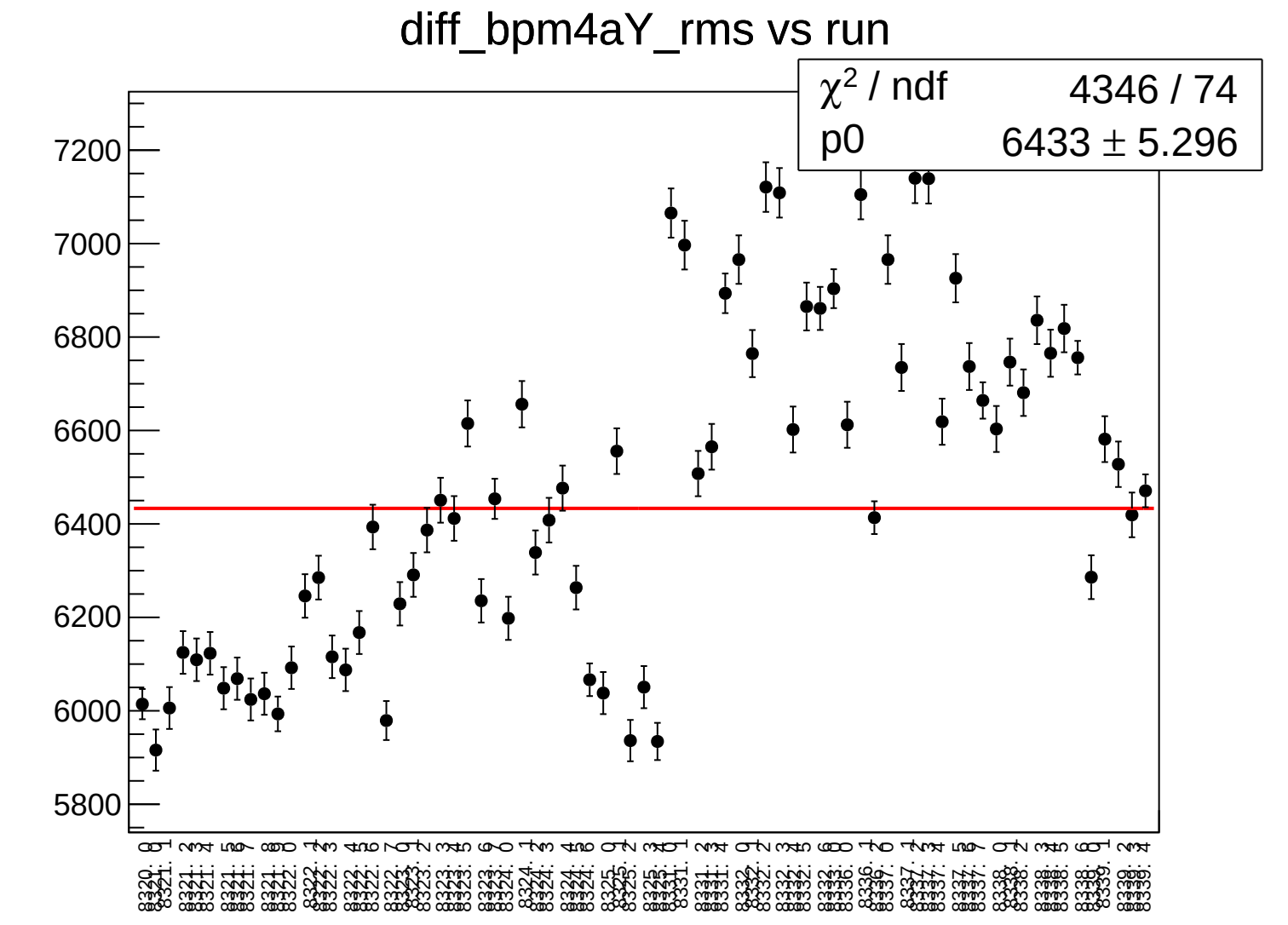

diff_bpm4aX_mean vs run
χ² / ndf 80.63 / 74
p0 −76.69 ± 25.21
pull
Entries 75
Mean −65.02
Std Dev 0

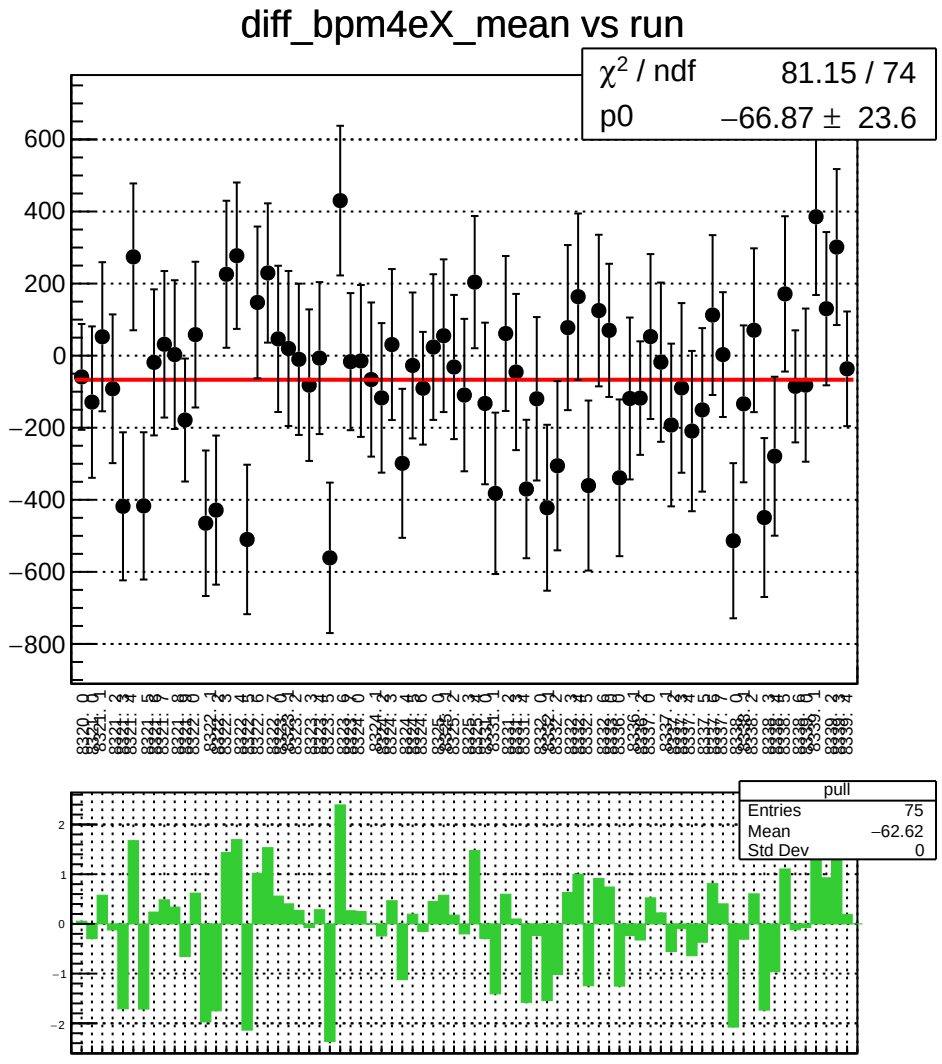

pull1D
Entries 75
Mean −0.007772
Std Dev 1.037

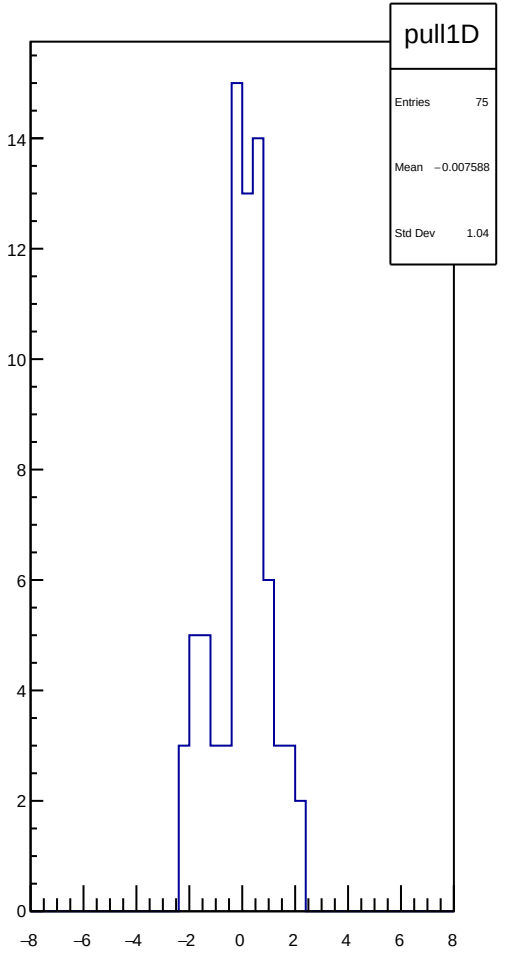

diff_bpm4aX_rms vs run
χ² / ndf 3361 / 74
p0 2.166e+04 ± 17.82
24500
24000
23500
23000
22500
22000
21500
21000
20500
20000

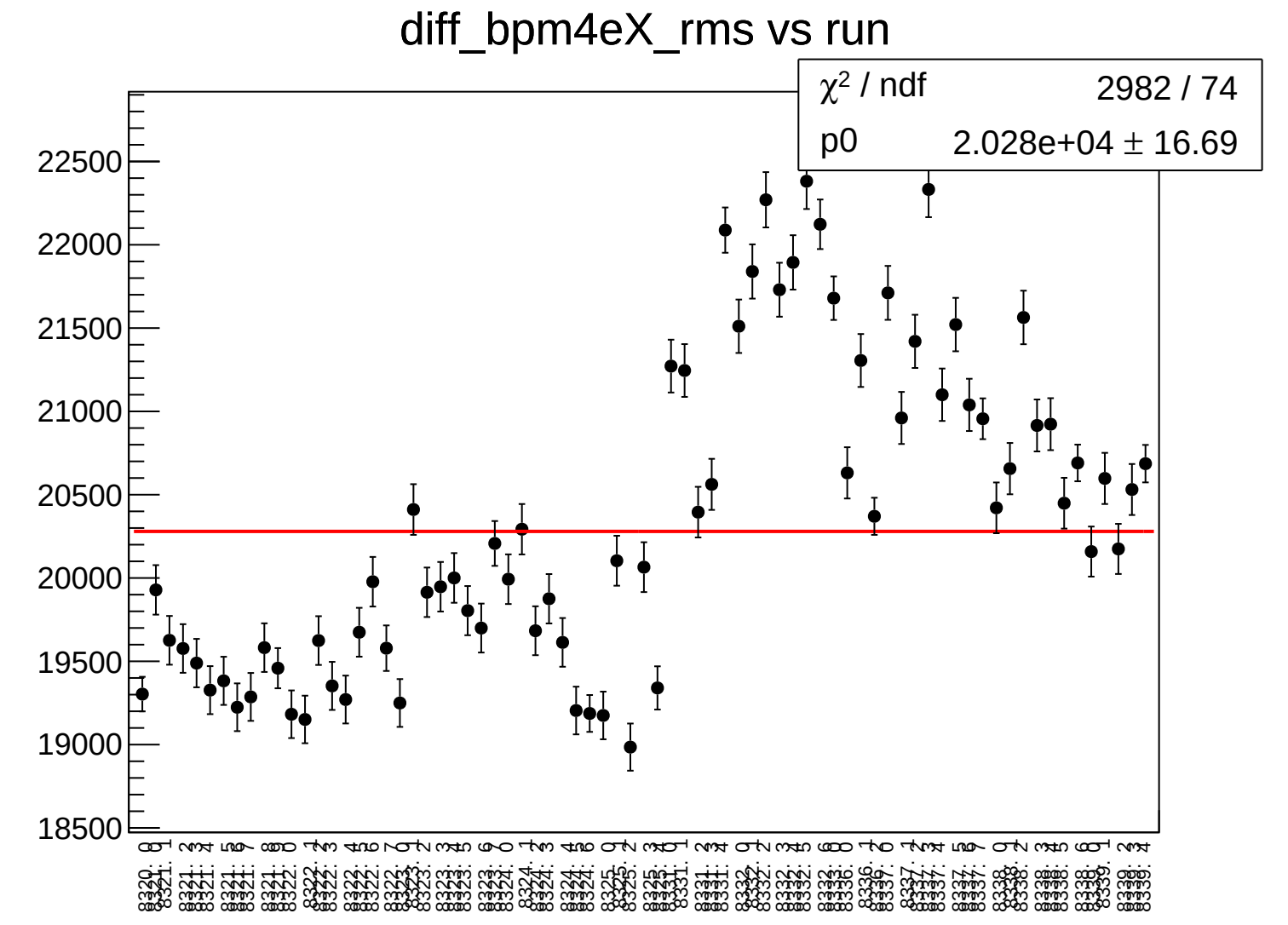

diff_bpm4aY_mean vs run
χ² / ndf 89.29 / 74
p0 28.63 ± 7.489
300
200
100
0
−100
−200
pull
Entries 75
Mean −499.3
Std Dev 0
3
2
1
0
−1
−2

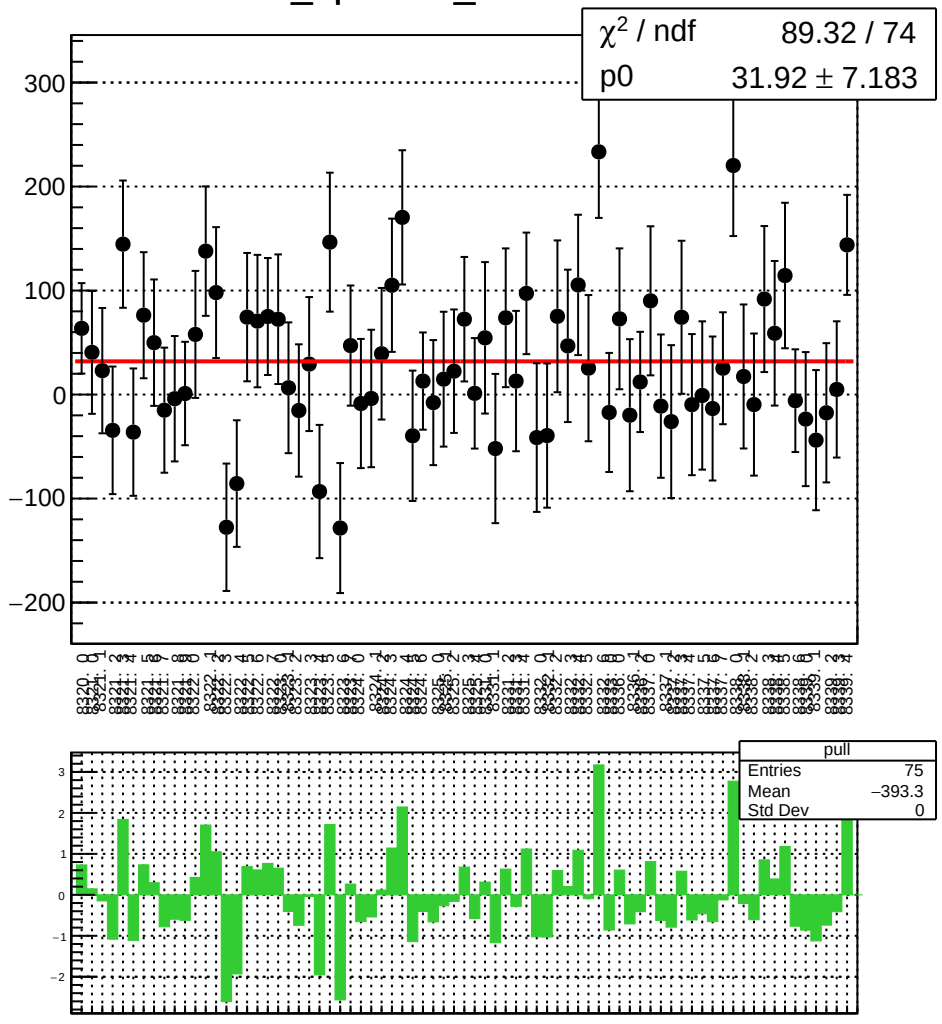

pull1D
Entries 75
Mean −0.002244
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

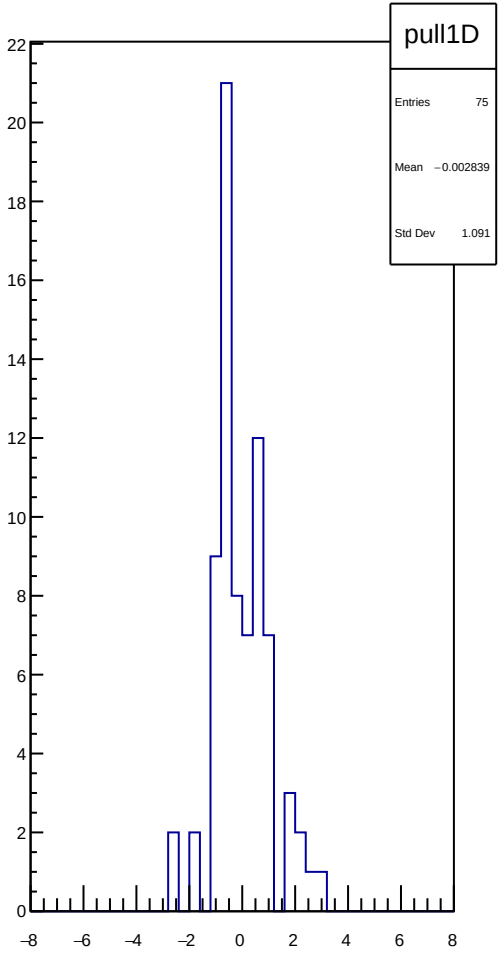

diff_bpm4aY_rms vs run
χ² / ndf 4346 / 74
p0 6433 ± 5.296
7200
7000
6800
6600
6400
6200
6000
5800

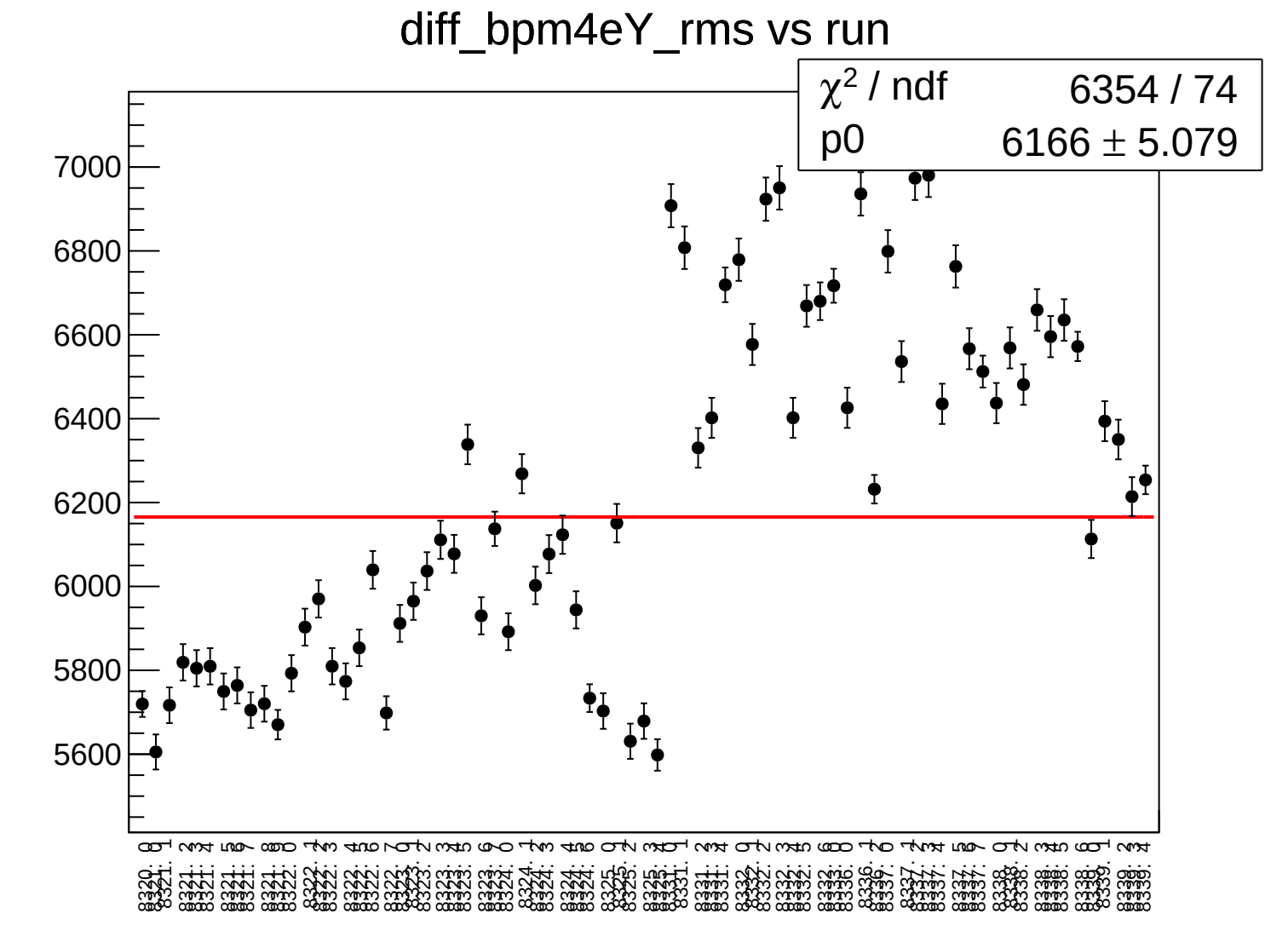

diff_bpm4eX_mean vs run
χ² / ndf 81.15 / 74
p0 −66.87 ± 23.6
pull
Entries 75
Mean −62.62
Std Dev 0

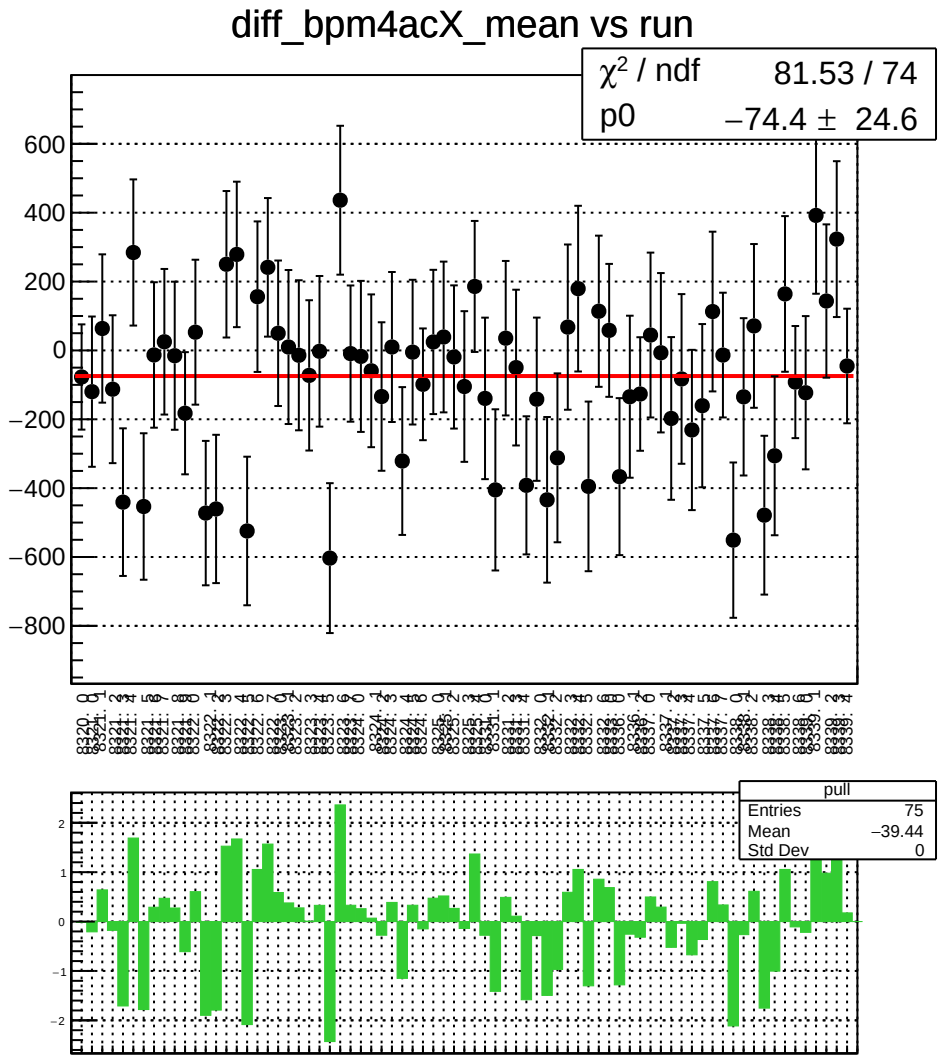

pull1D
Entries 75
Mean −0.007588
Std Dev 1.04

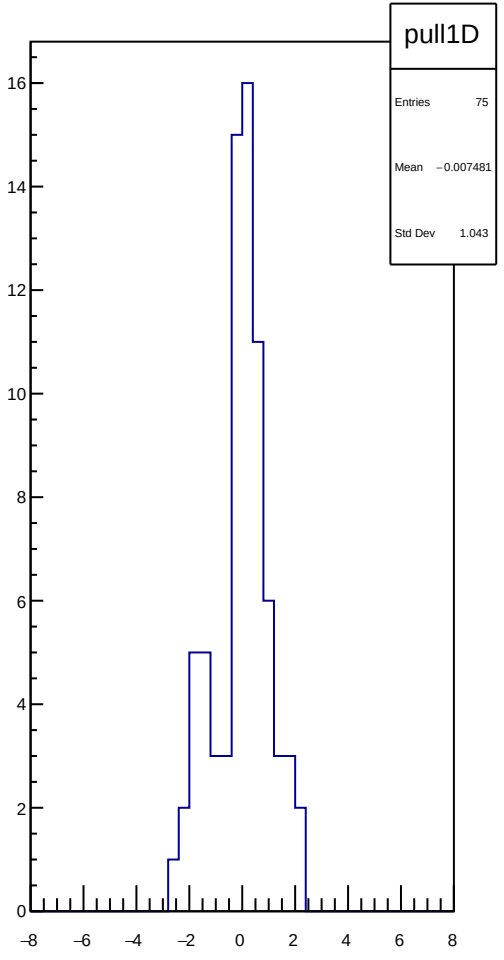

diff_bpm4eX_rms vs run
χ² / ndf 2982 / 74
p0 2.028e+04 ± 16.69
22500
22000
21500
21000
20500
20000
19500
19000
18500

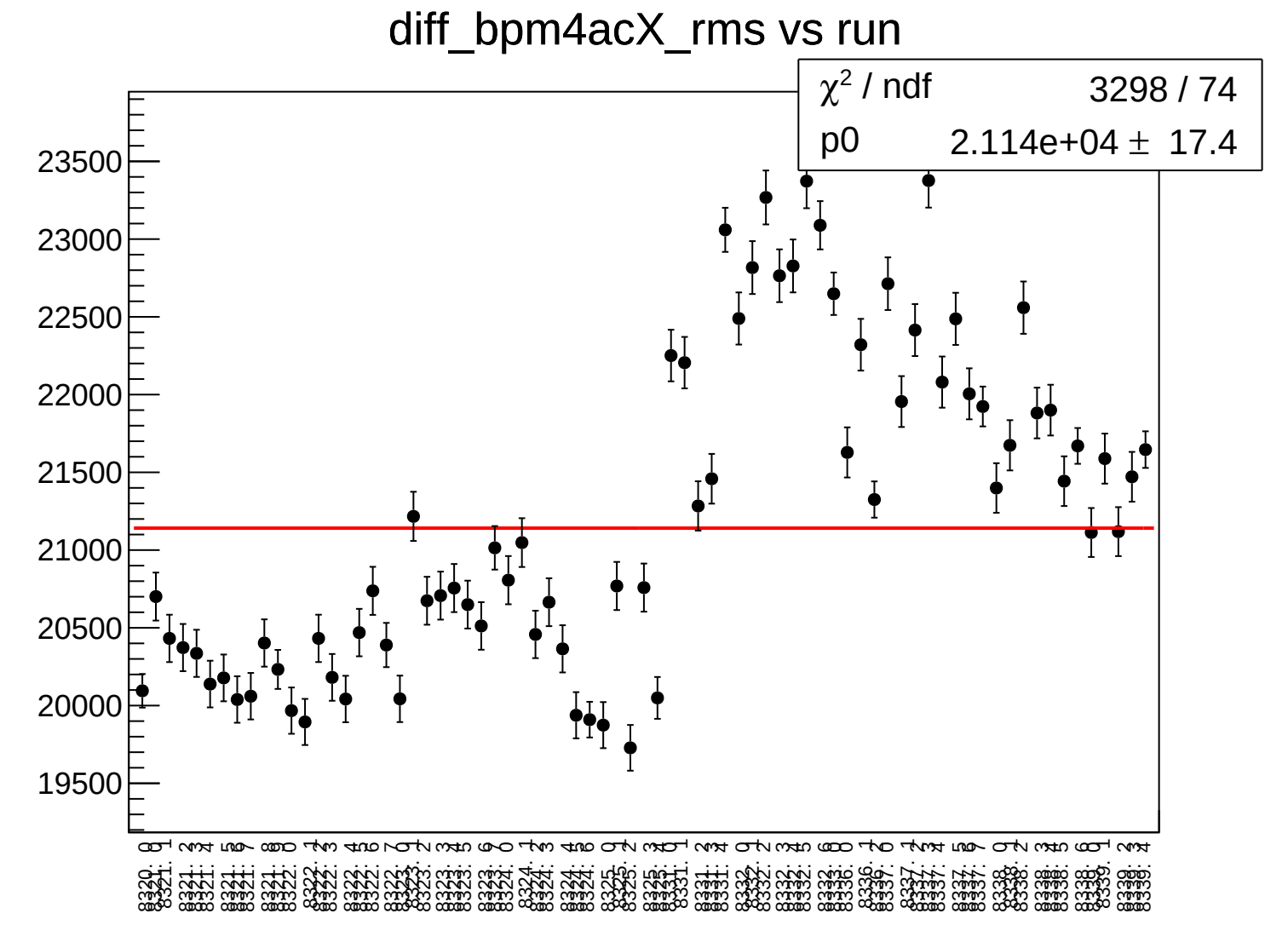

diff_bpm4eY_mean vs run
χ² / ndf 89.32 / 74
p0 31.92 ± 7.183
pull
Entries 75
Mean −393.3
Std Dev 0

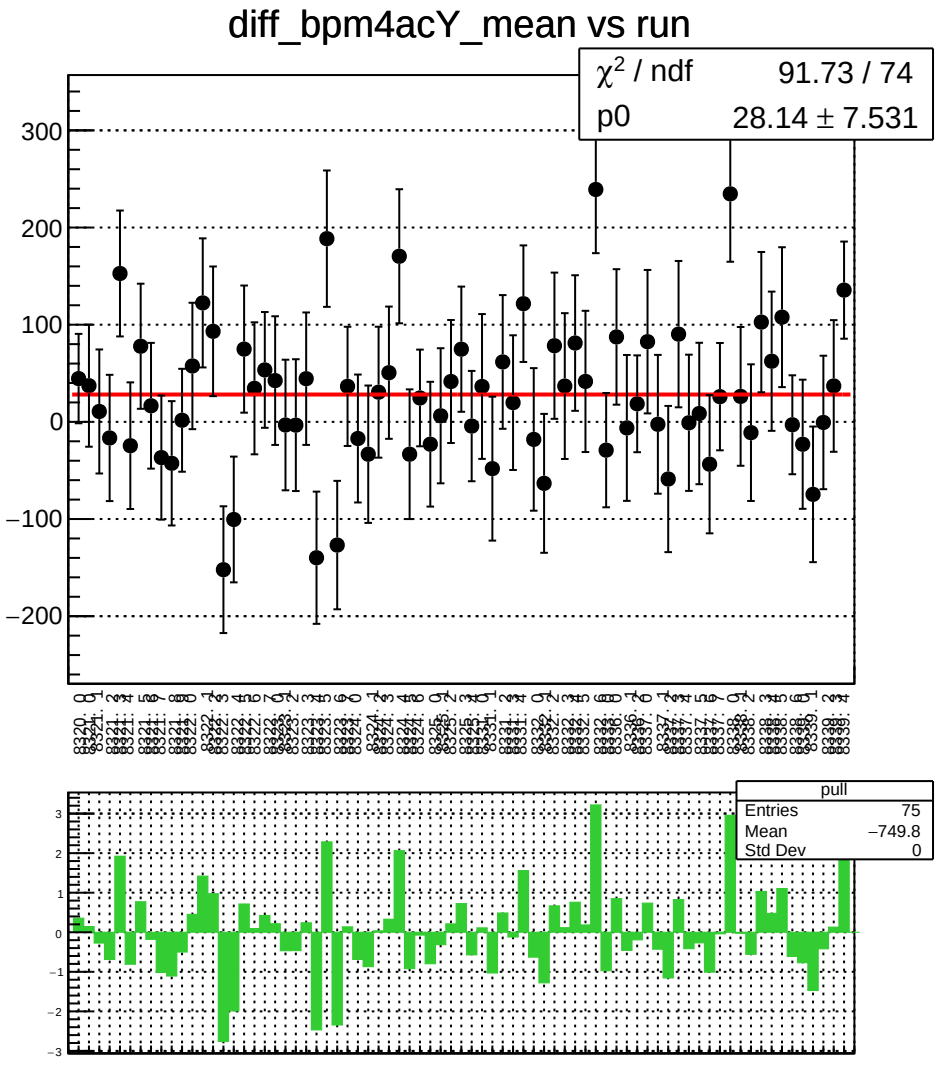

pull1D
Entries 75
Mean −0.002839
Std Dev 1.091

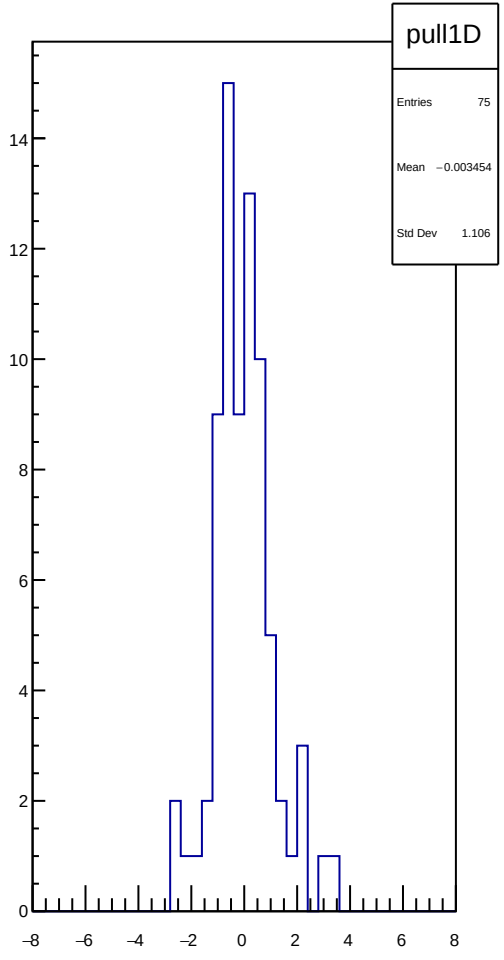

diff_bpm4eY_rms vs run
χ² / ndf 6354 / 74
p0 6166 ± 5.079
7000
6800
6600
6400
6200
6000
5800
5600

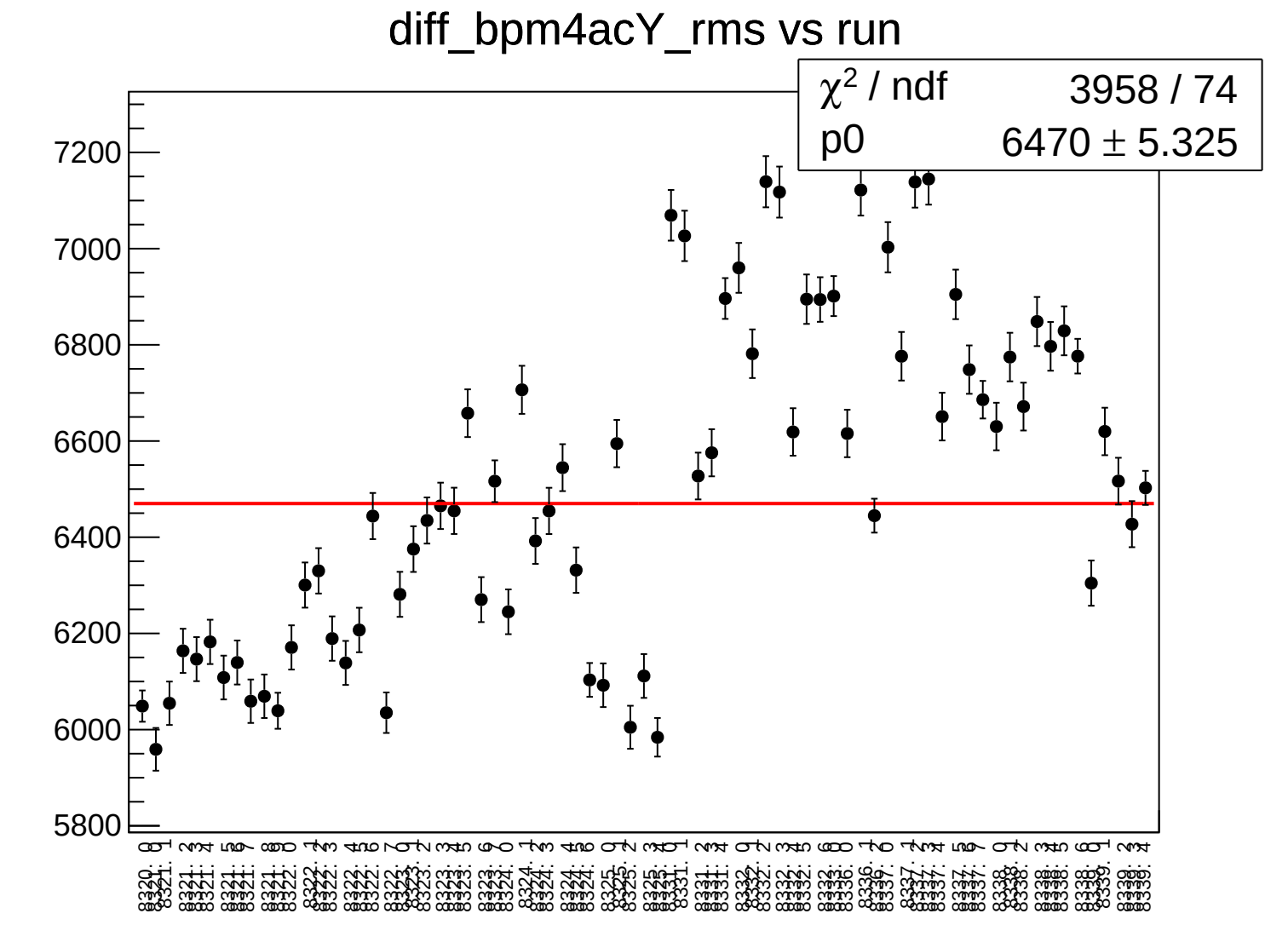

diff_bpm4acX_mean vs run
χ² / ndf 81.53 / 74
p0 −74.4 ± 24.6
pull
Entries 75
Mean −39.44
Std Dev 0

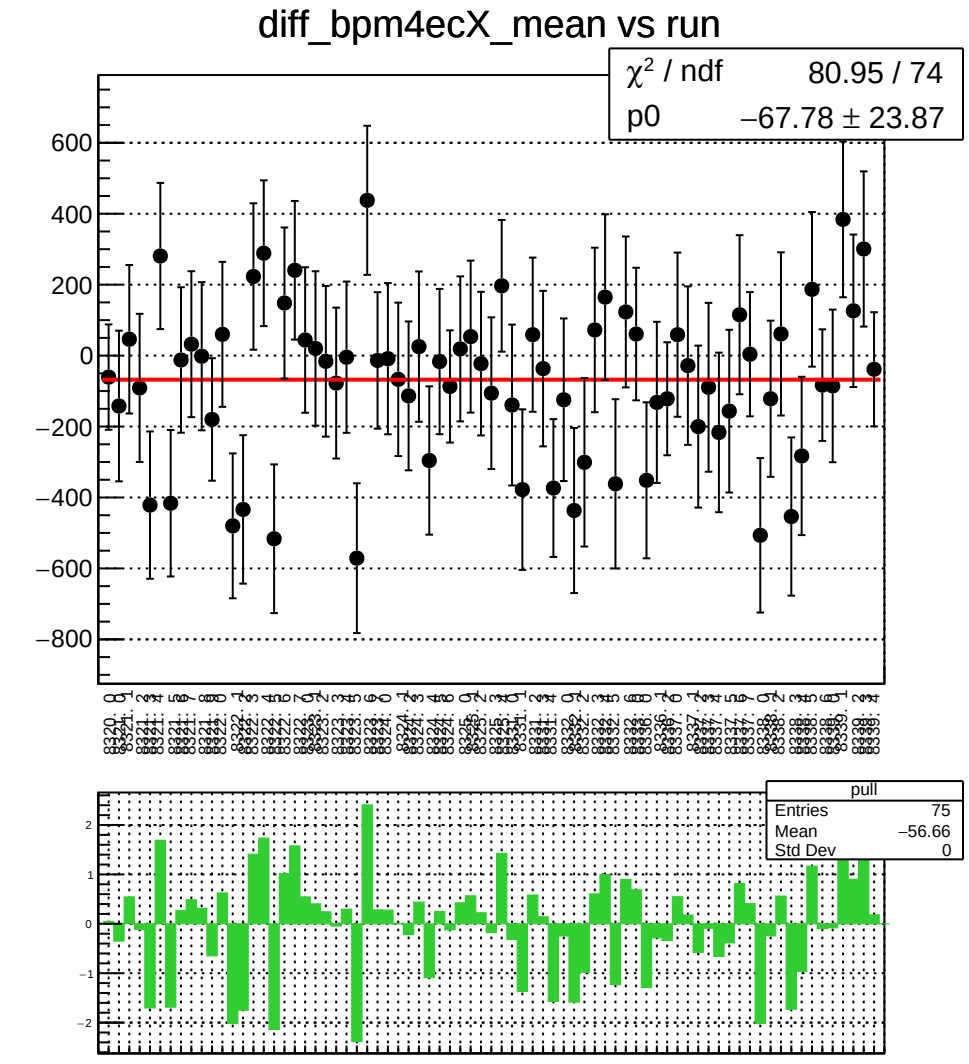

pull1D
Entries 75
Mean −0.007481
Std Dev 1.043

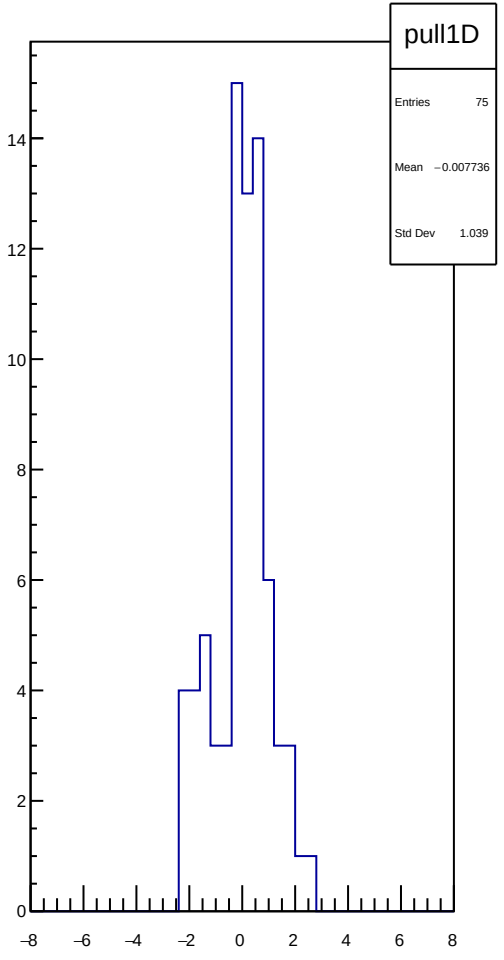

diff_bpm4acX_rms vs run
χ² / ndf 3298 / 74
p0 2.114e+04 ± 17.4
23500
23000
22500
22000
21500
21000
20500
20000
19500

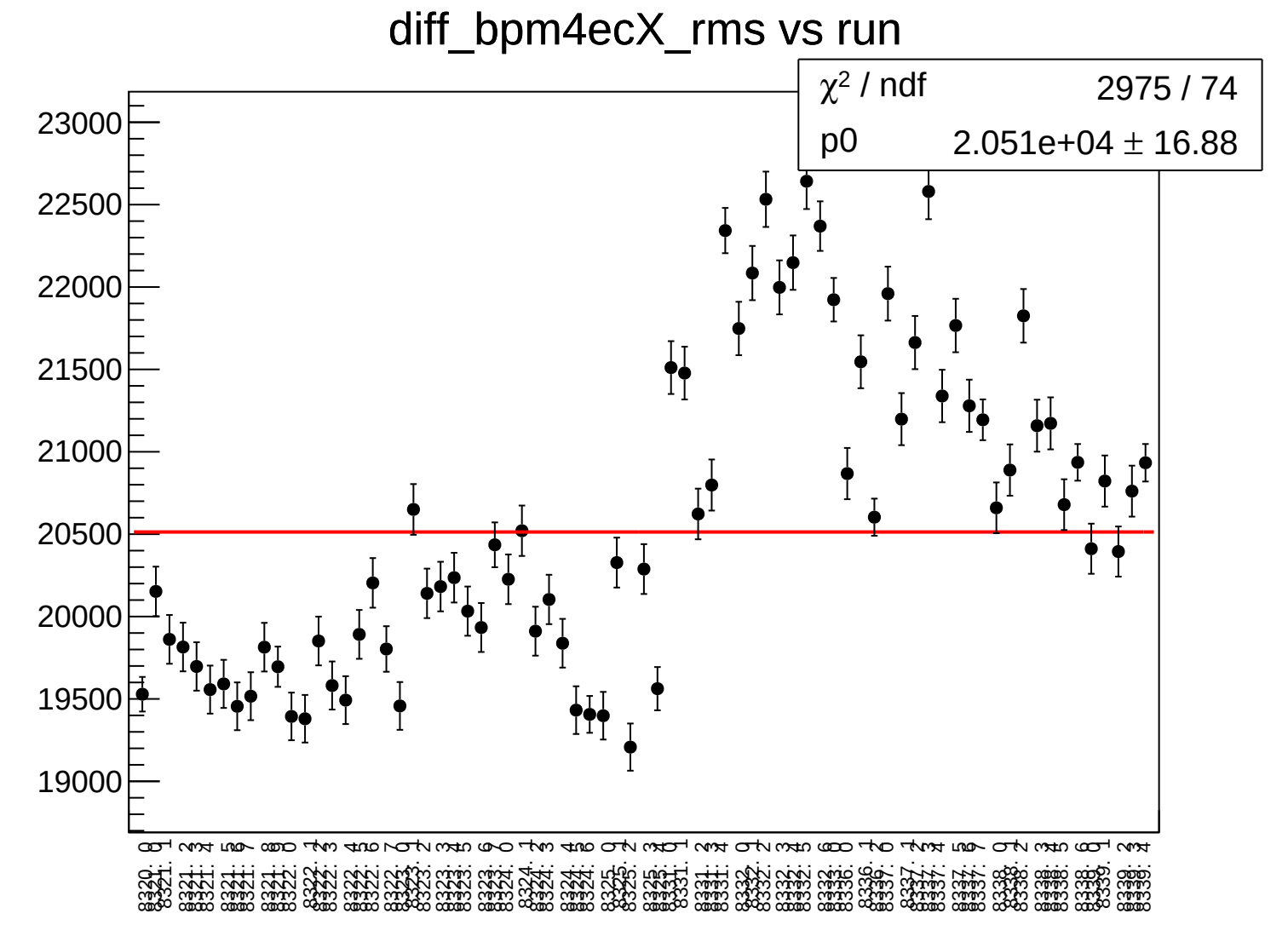

diff_bpm4acY_mean vs run
χ² / ndf 91.73 / 74
p0 28.14 ± 7.531
pull
Entries 75
Mean −749.8
Std Dev 0

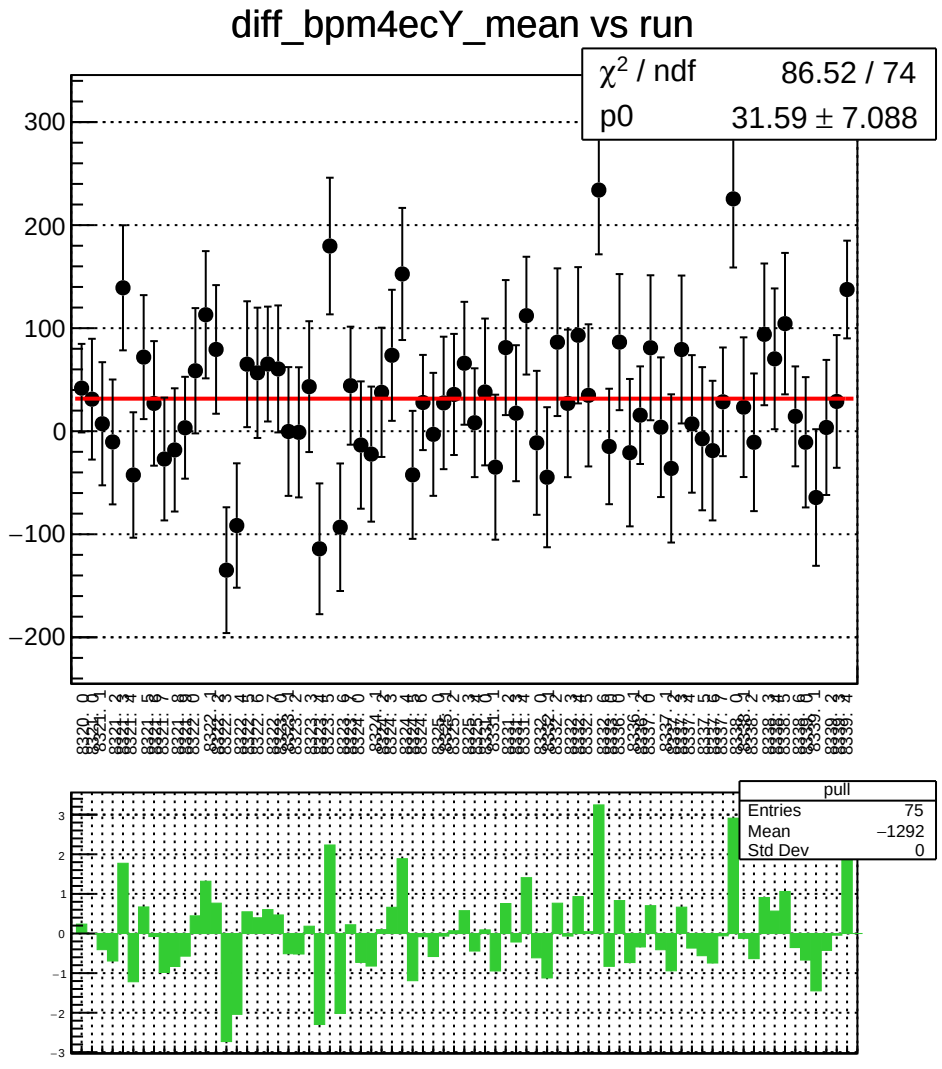

pull1D
Entries 75
Mean −0.003454
Std Dev 1.106

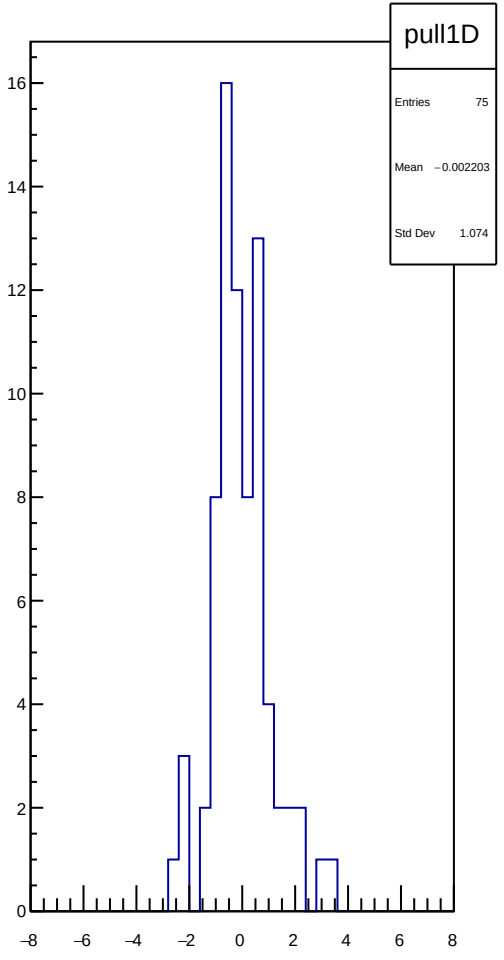

diff_bpm4acY_rms vs run
χ² / ndf 3958 / 74
p0 6470 ± 5.325
7200
7000
6800
6600
6400
6200
6000
5800

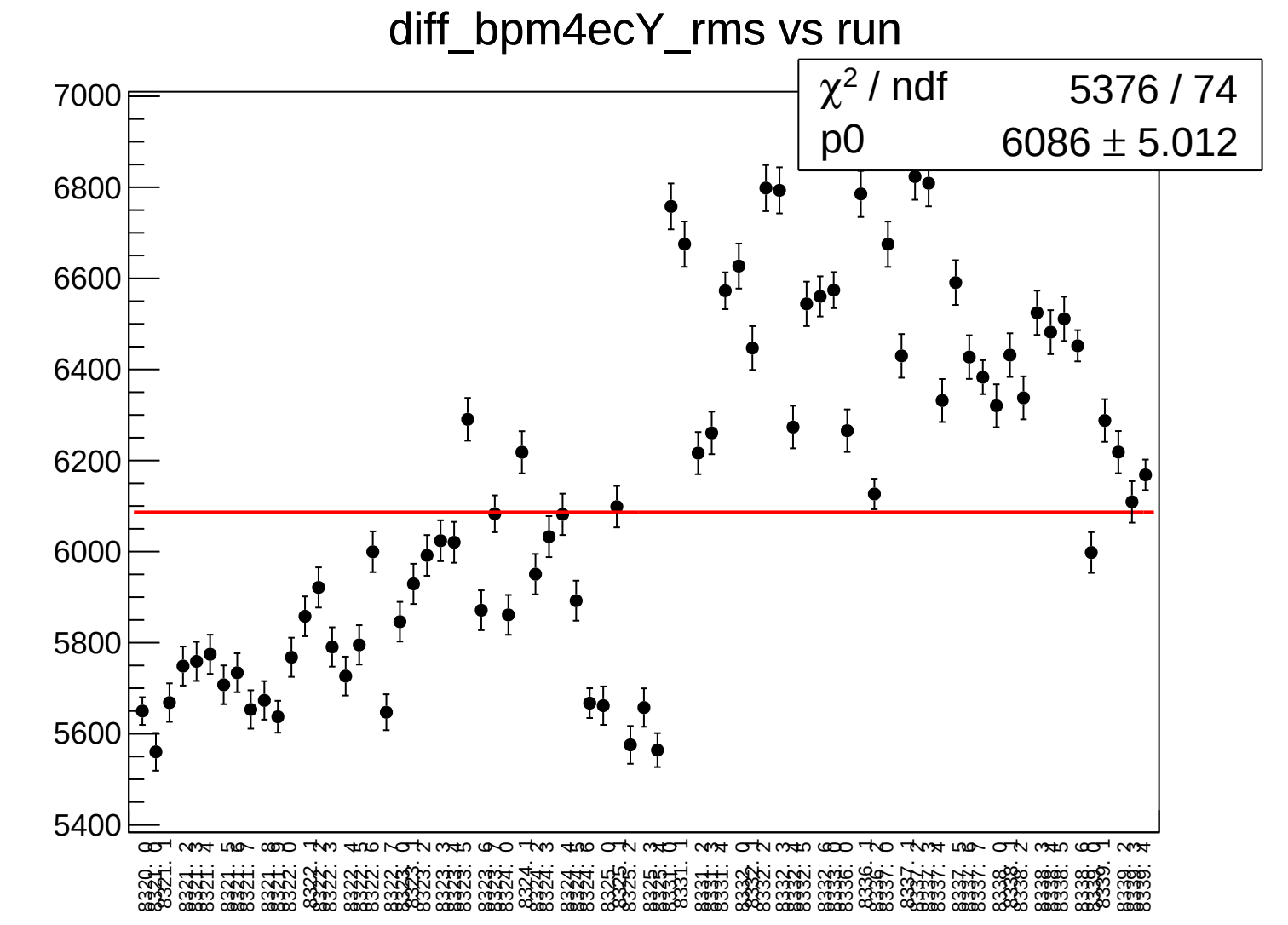

diff_bpm4ecX_mean vs run
χ² / ndf 80.95 / 74
p0 −67.78 ± 23.87
pull
Entries 75
Mean −56.66
Std Dev 0

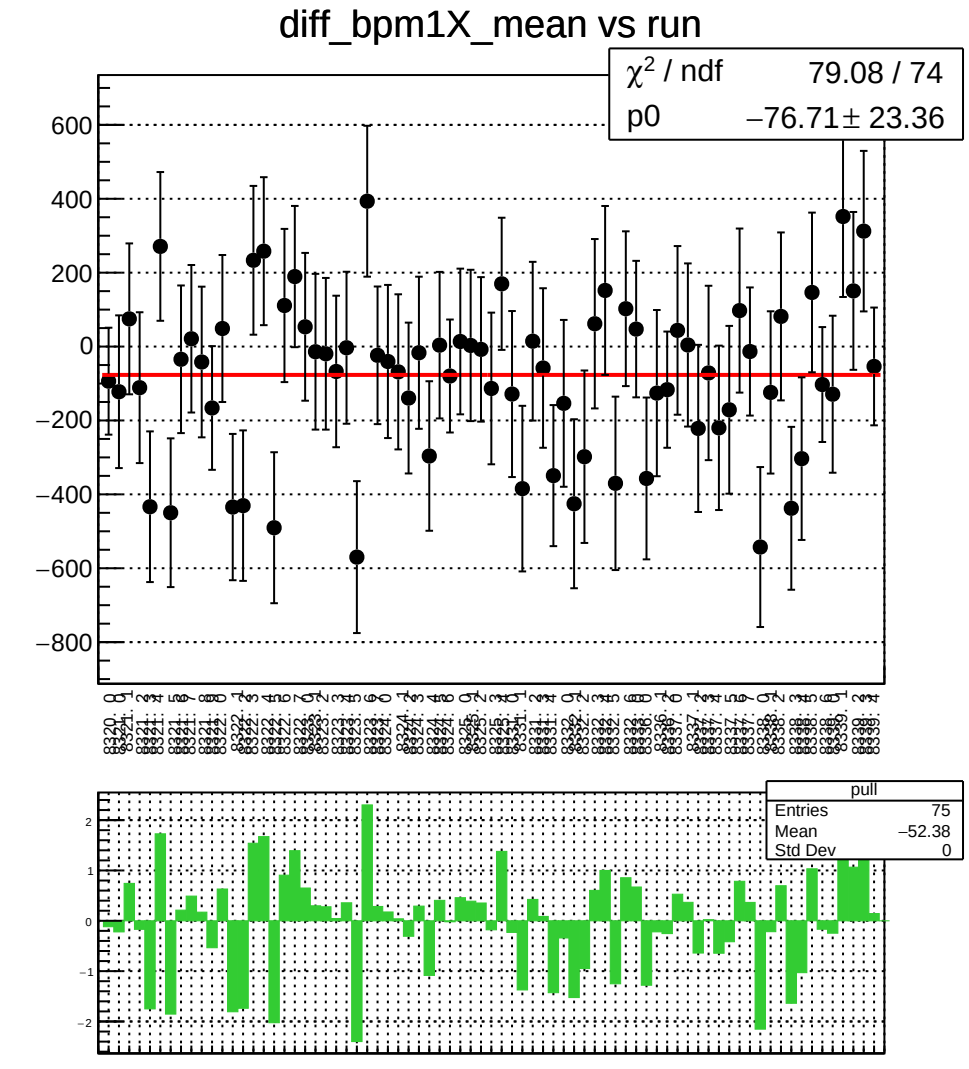

pull1D
Entries 75
Mean −0.007736
Std Dev 1.039

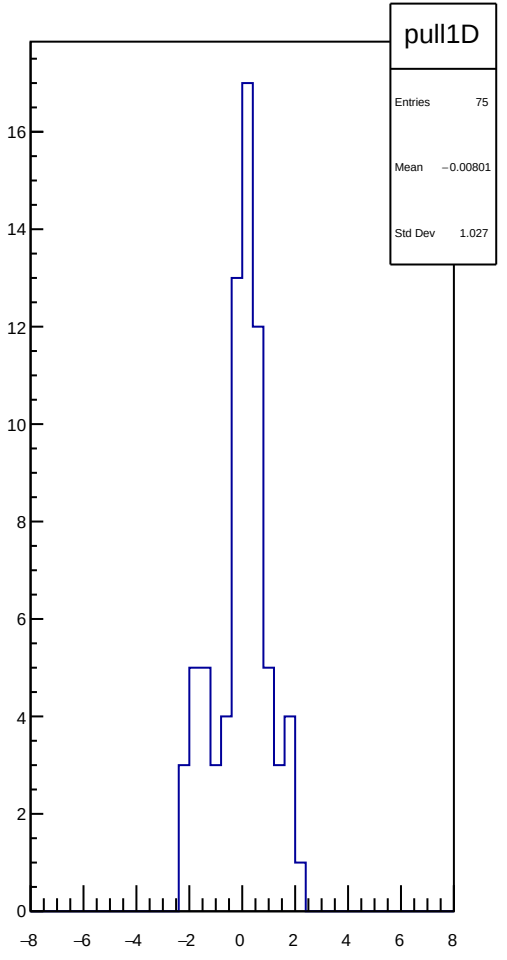

diff_bpm4ecX_rms vs run
χ² / ndf 2975 / 74
p0 2.051e+04 ± 16.88
23000
22500
22000
21500
21000
20500
20000
19500
19000

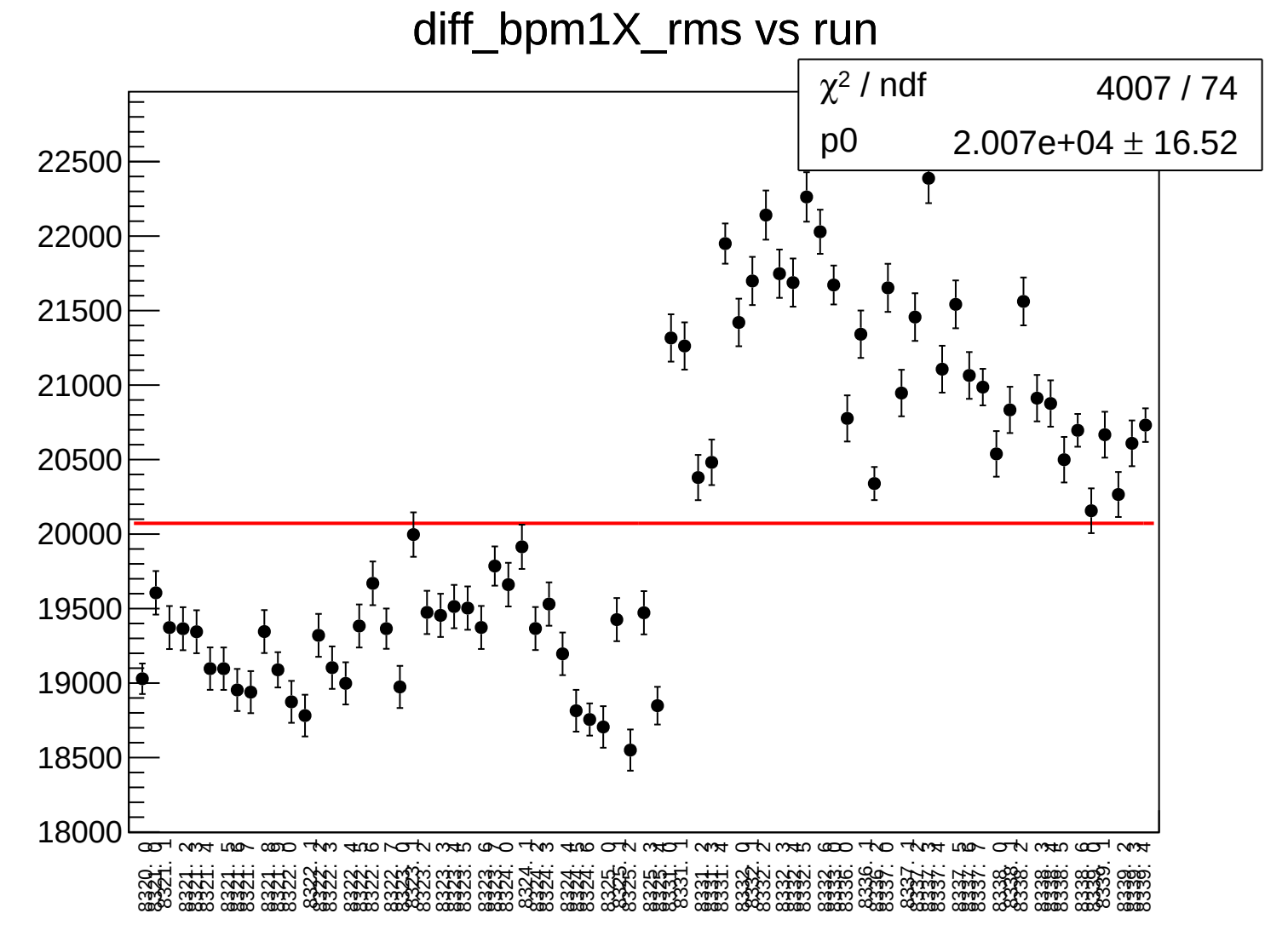

diff_bpm4ecY_mean vs run
χ² / ndf 86.52 / 74
p0 31.59 ± 7.088
pull
Entries 75
Mean −1292
Std Dev 0

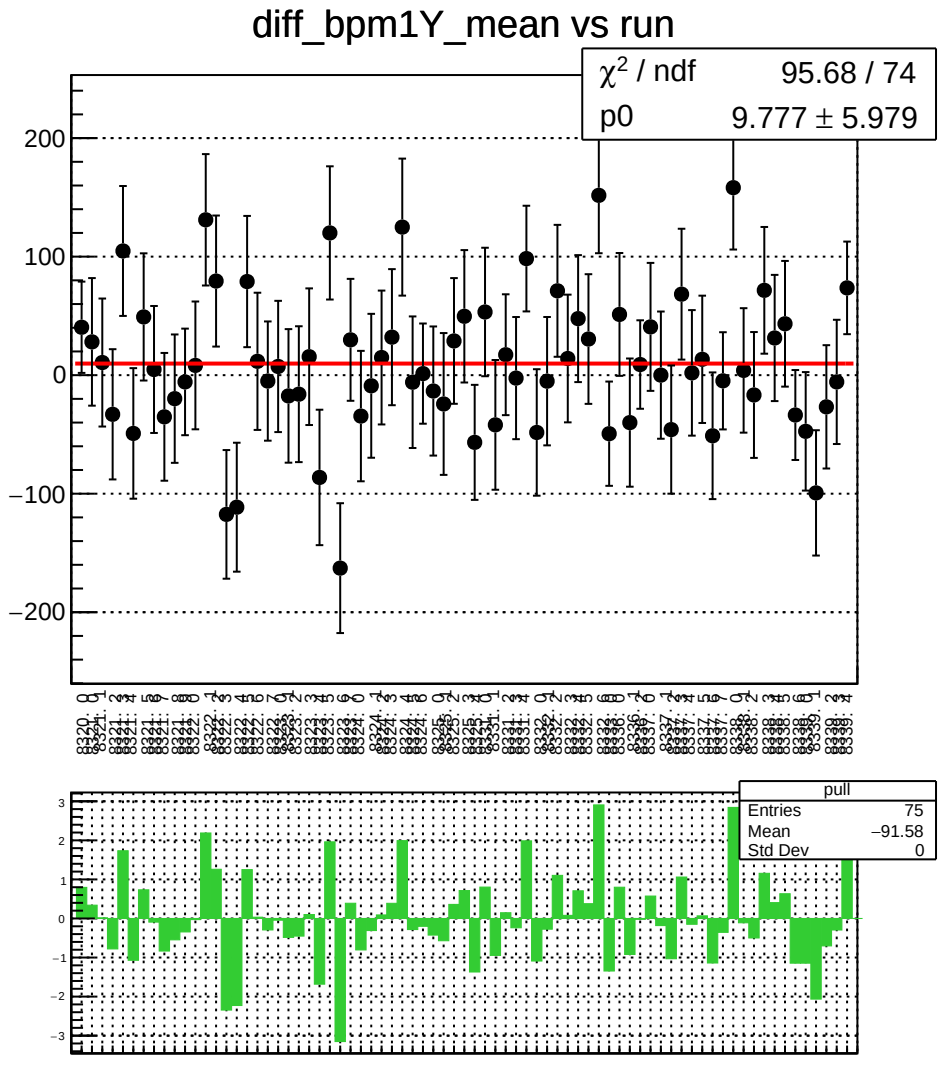

pull1D
Entries 75
Mean −0.002203
Std Dev 1.074

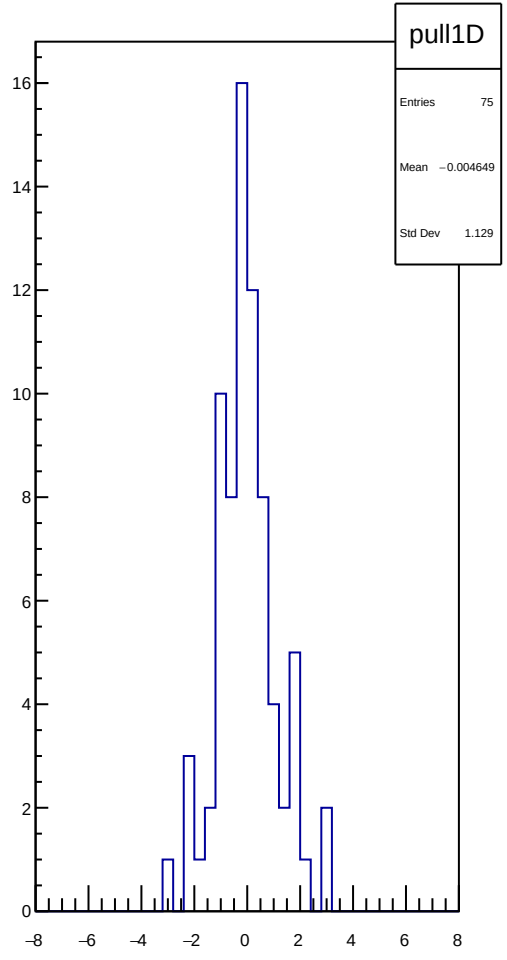

diff_bpm4ecY_rms vs run
χ² / ndf 5376 / 74
p0 6086 ± 5.012
7000
6800
6600
6400
6200
6000
5800
5600
5400

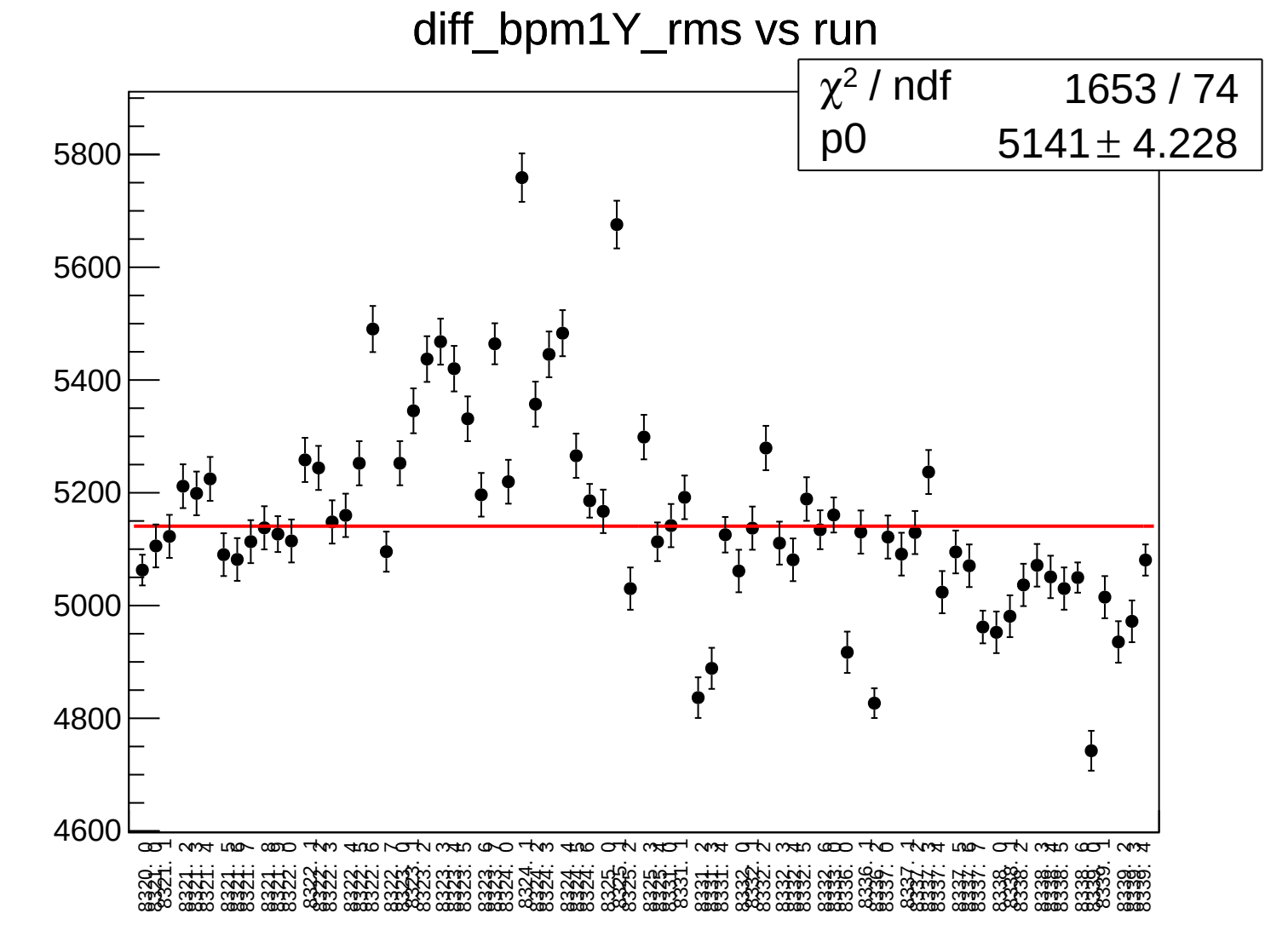

diff_bpm1X_mean vs run
χ² / ndf 79.08 / 74
p0 −76.71± 23.36
pull
Entries 75
Mean −52.38
Std Dev 0

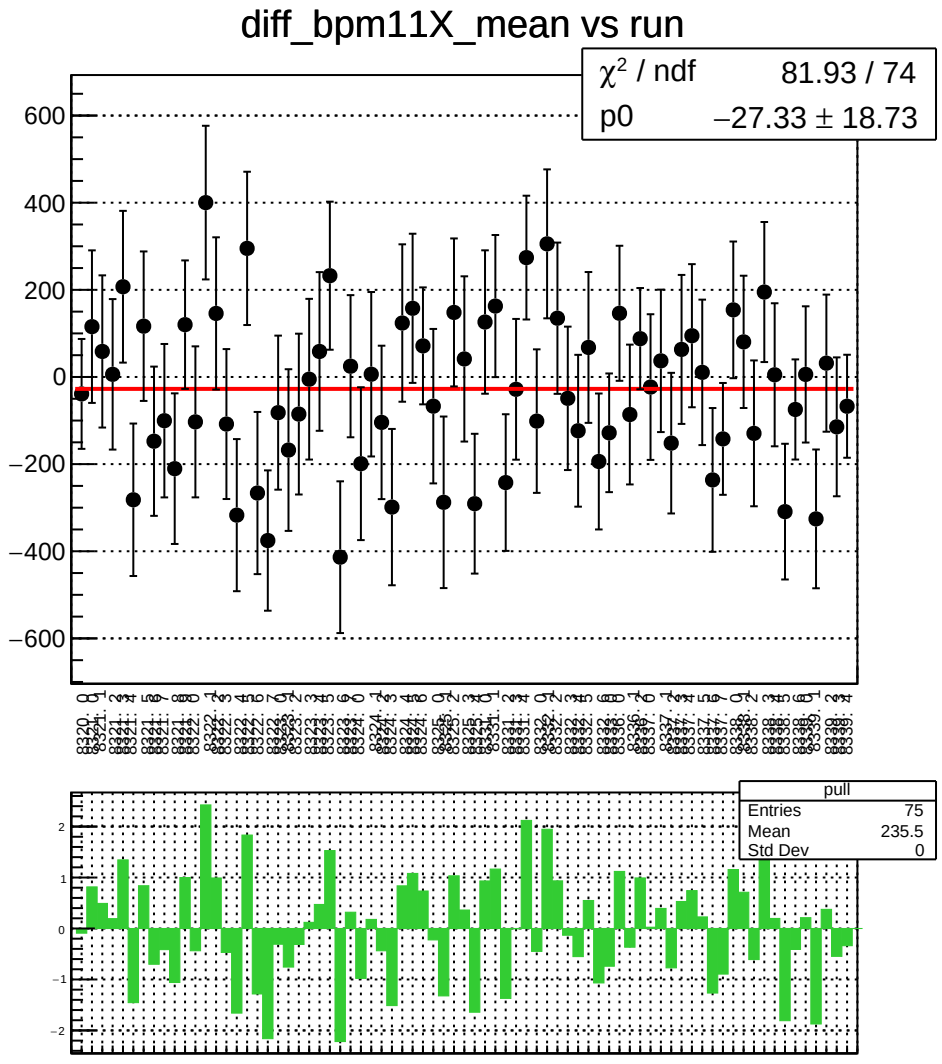

pull1D
Entries 75
Mean −0.00801
Std Dev 1.027

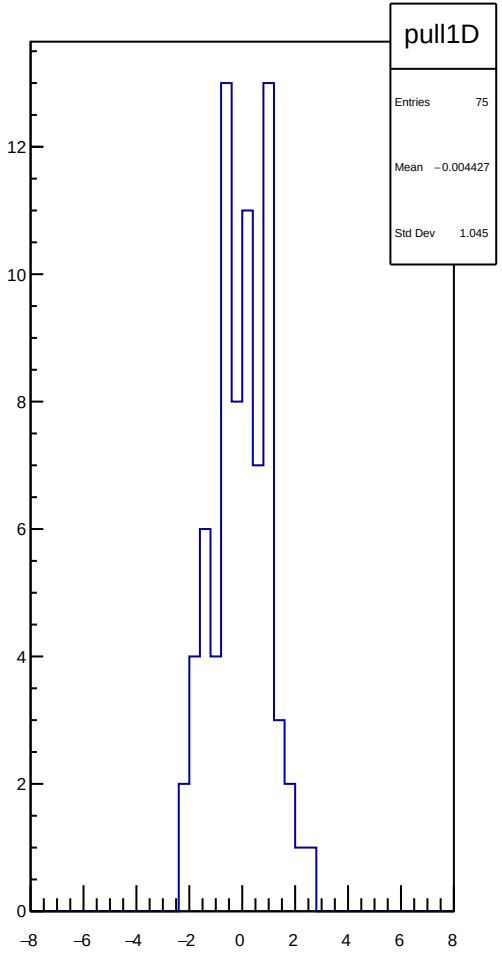

diff_bpm1X_rms vs run
χ² / ndf 4007 / 74
p0 2.007e+04 ± 16.52
22500
22000
21500
21000
20500
20000
19500
19000
18500
18000

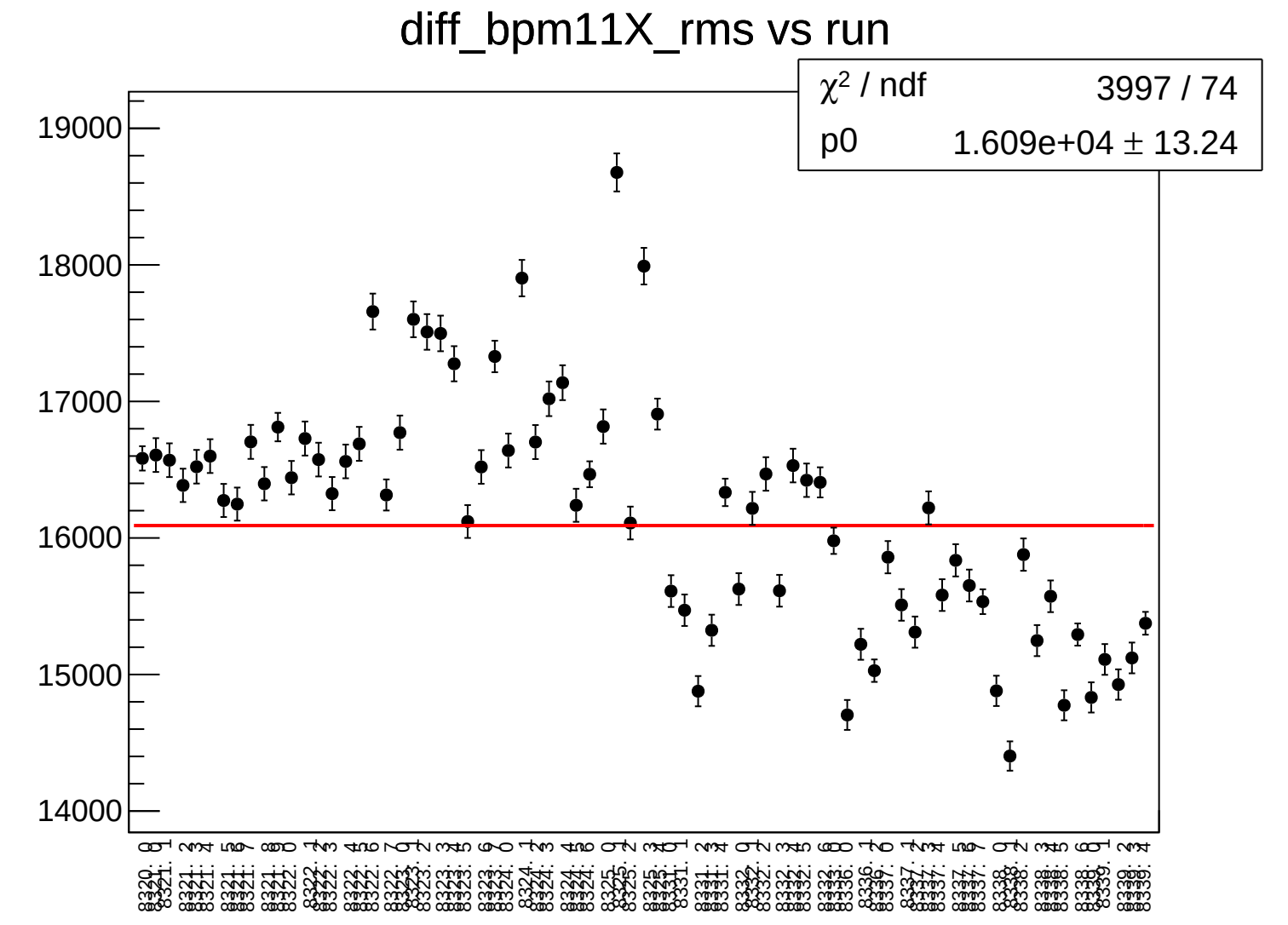

diff_bpm1Y_mean vs run
χ² / ndf 95.68 / 74
p0 9.777 ± 5.979
200
100
0
−100
−200
pull
Entries 75
Mean −91.58
Std Dev 0
3
2
1
0
−1
−2
−3

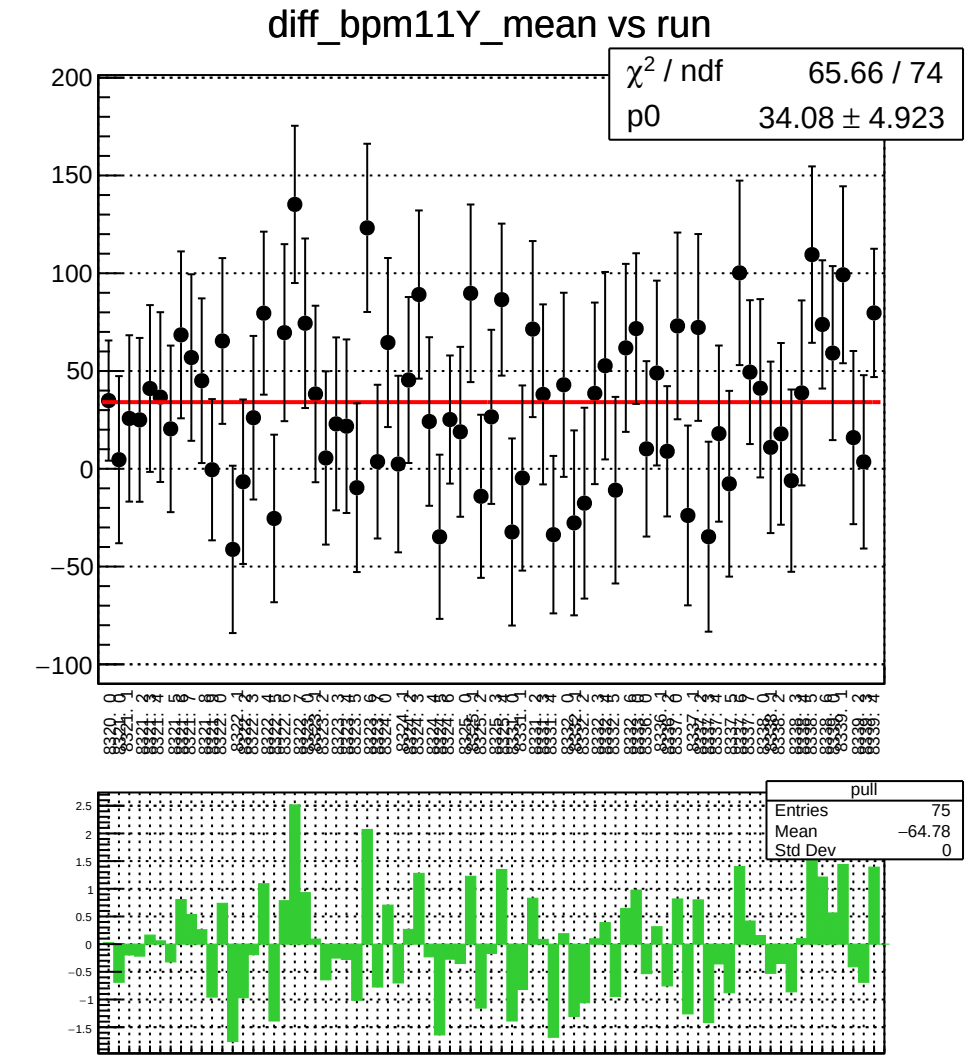

pull1D
Entries 75
Mean −0.004649
Std Dev 1.129
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

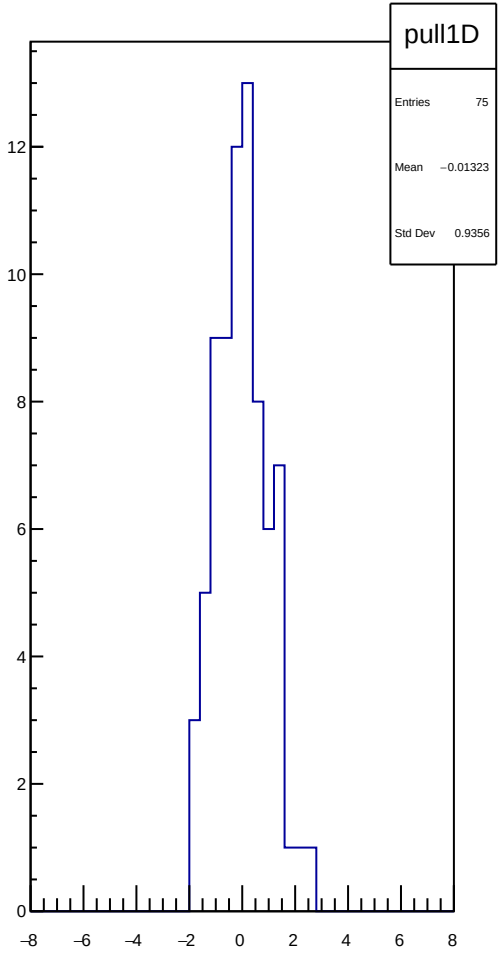

diff_bpm1Y_rms vs run
χ² / ndf 1653 / 74
p0 5141 ± 4.228
5800
5600
5400
5200
5000
4800
4600

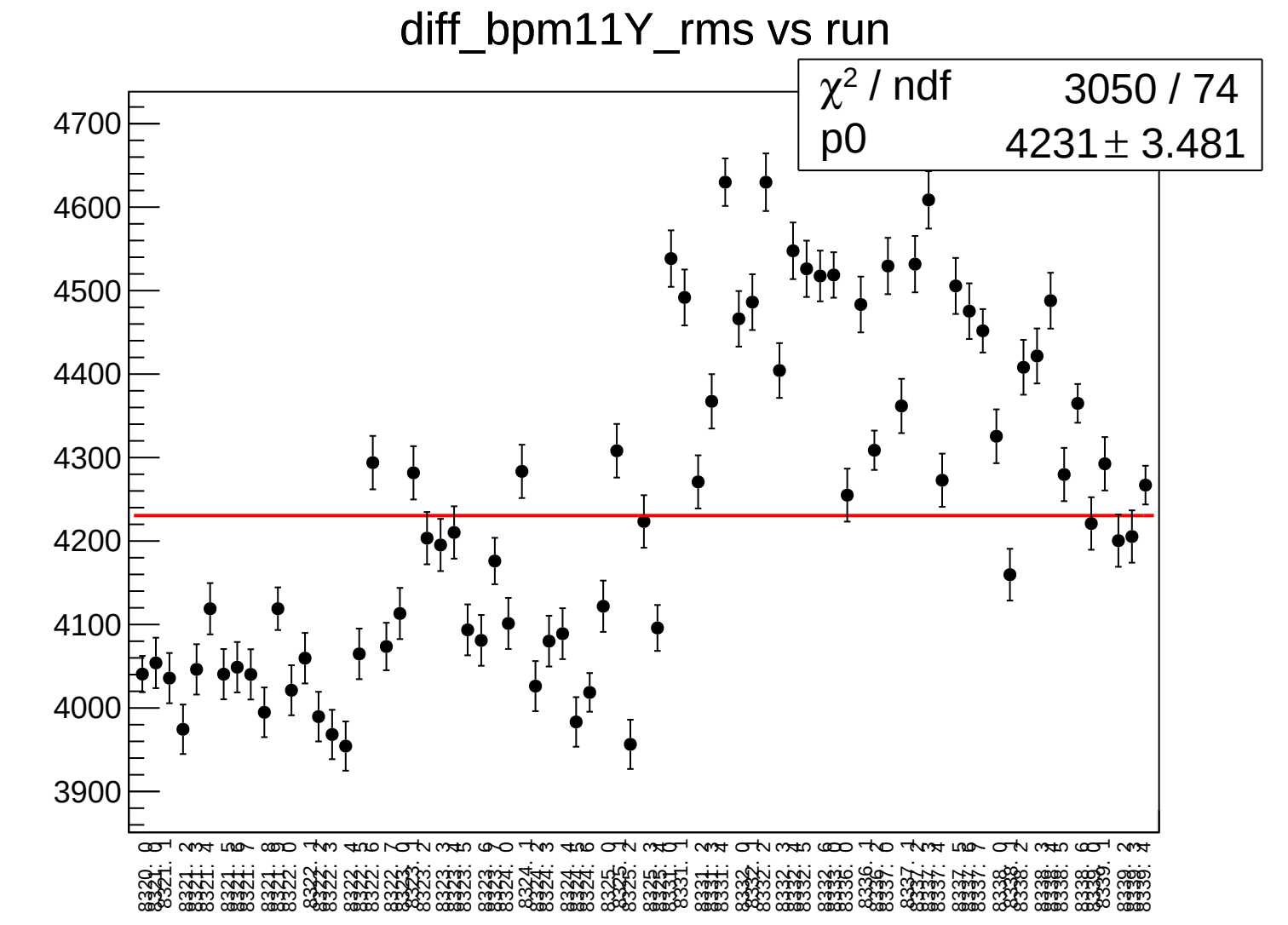

diff_bpm11X_mean vs run
χ² / ndf 81.93 / 74
p0 −27.33 ± 18.73
600
400
200
0
−200
−400
−600
pull
Entries 75
Mean 235.5
Std Dev 0
2
1
0
−1
−2

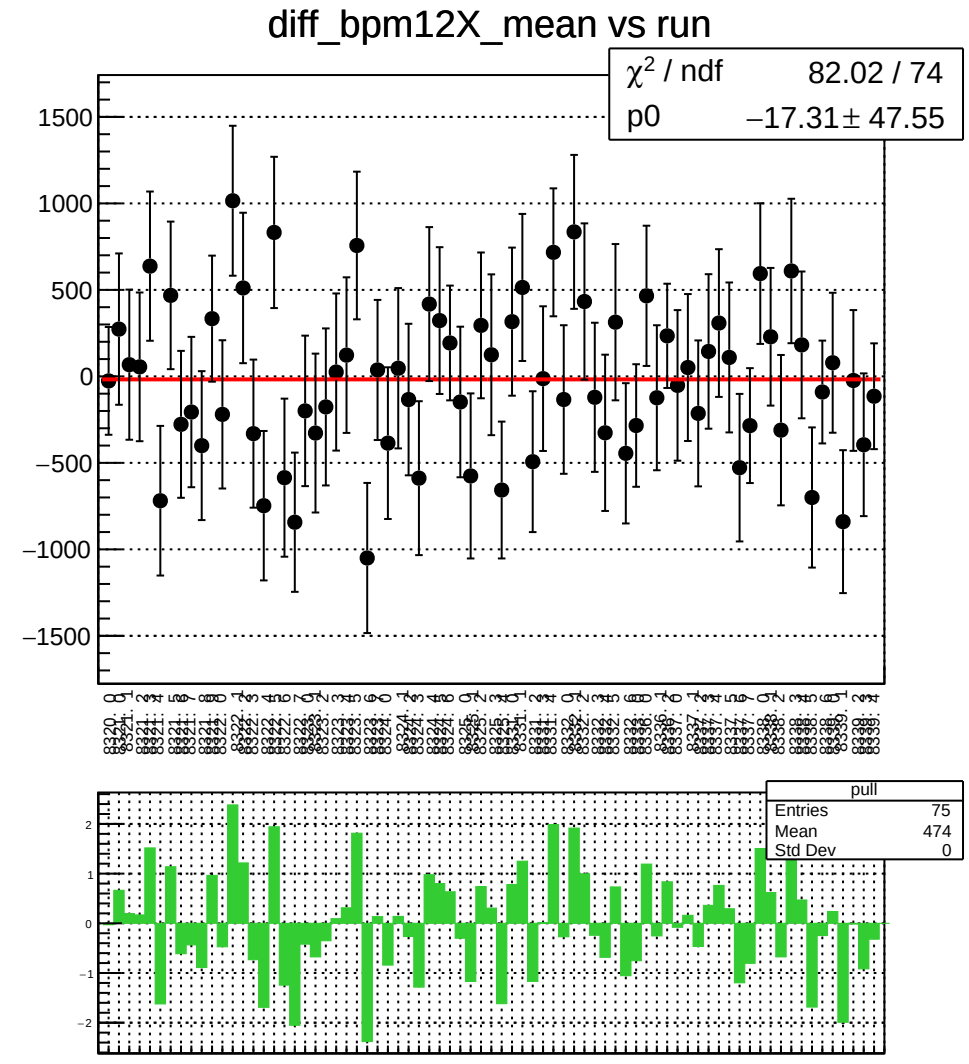

pull1D
Entries 75
Mean −0.004427
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

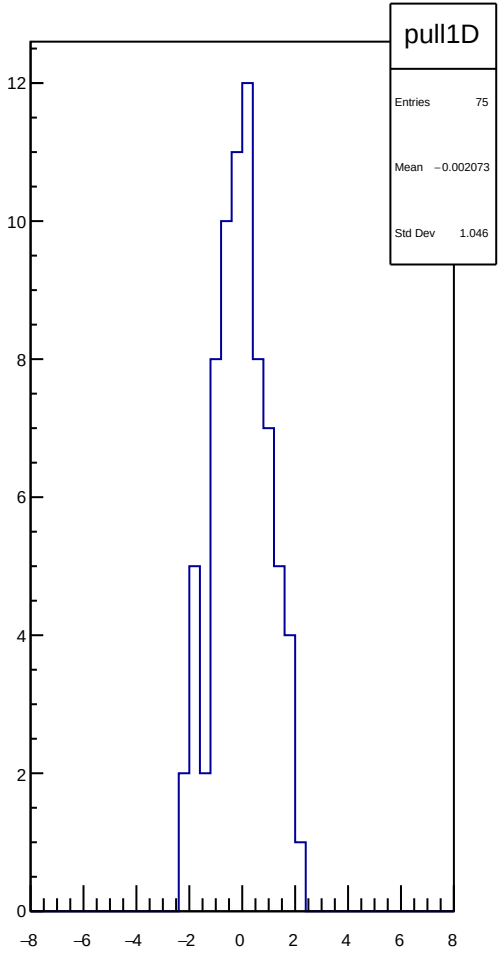

diff_bpm11X_rms vs run
χ² / ndf 3997 / 74
p0 1.609e+04 ± 13.24
19000
18000
17000
16000
15000
14000

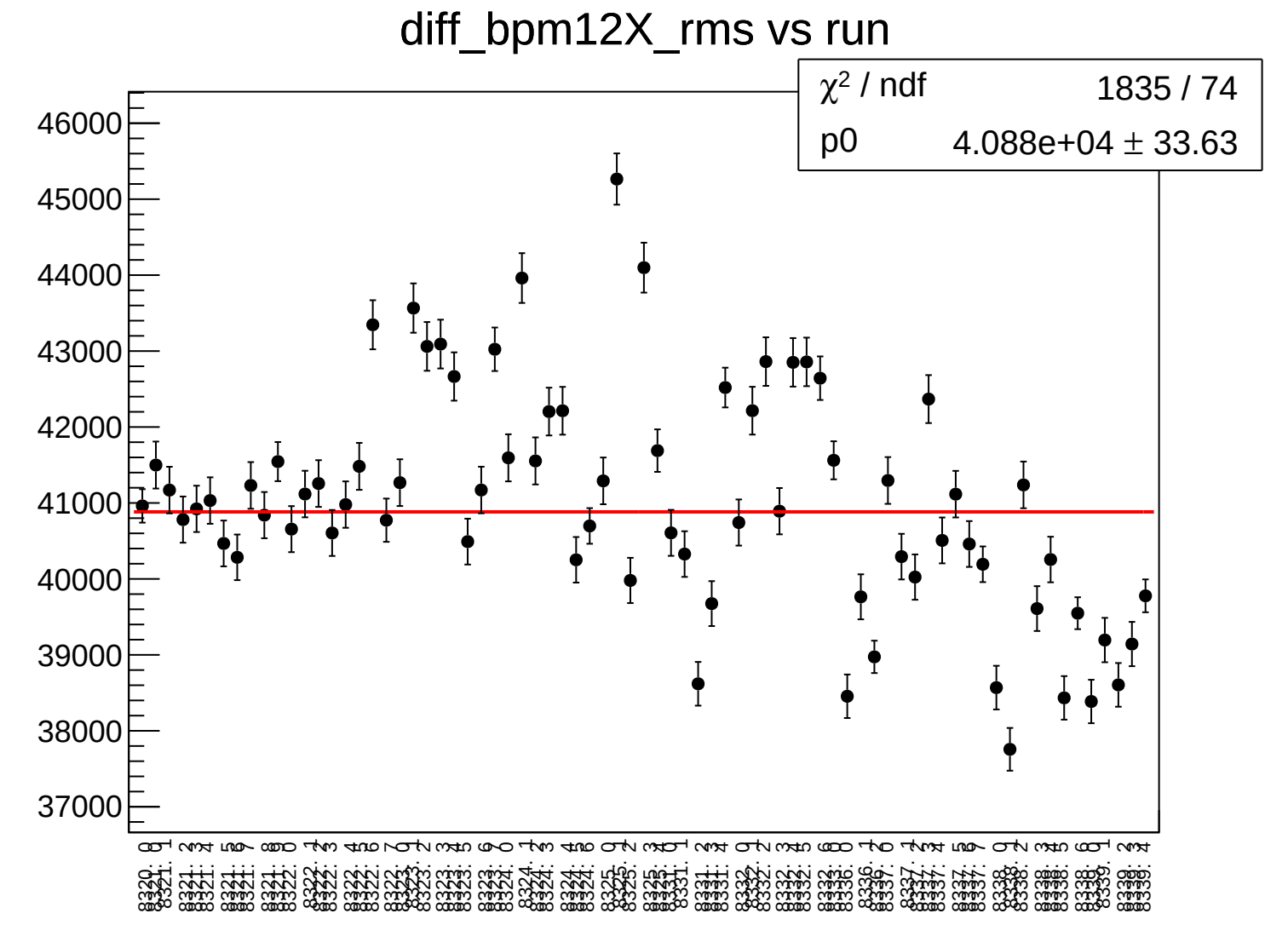

diff_bpm11Y_mean vs run
χ^2 / ndf 65.66 / 74
p0 34.08 ± 4.923
pull
Entries 75
Mean −64.78
Std Dev 0

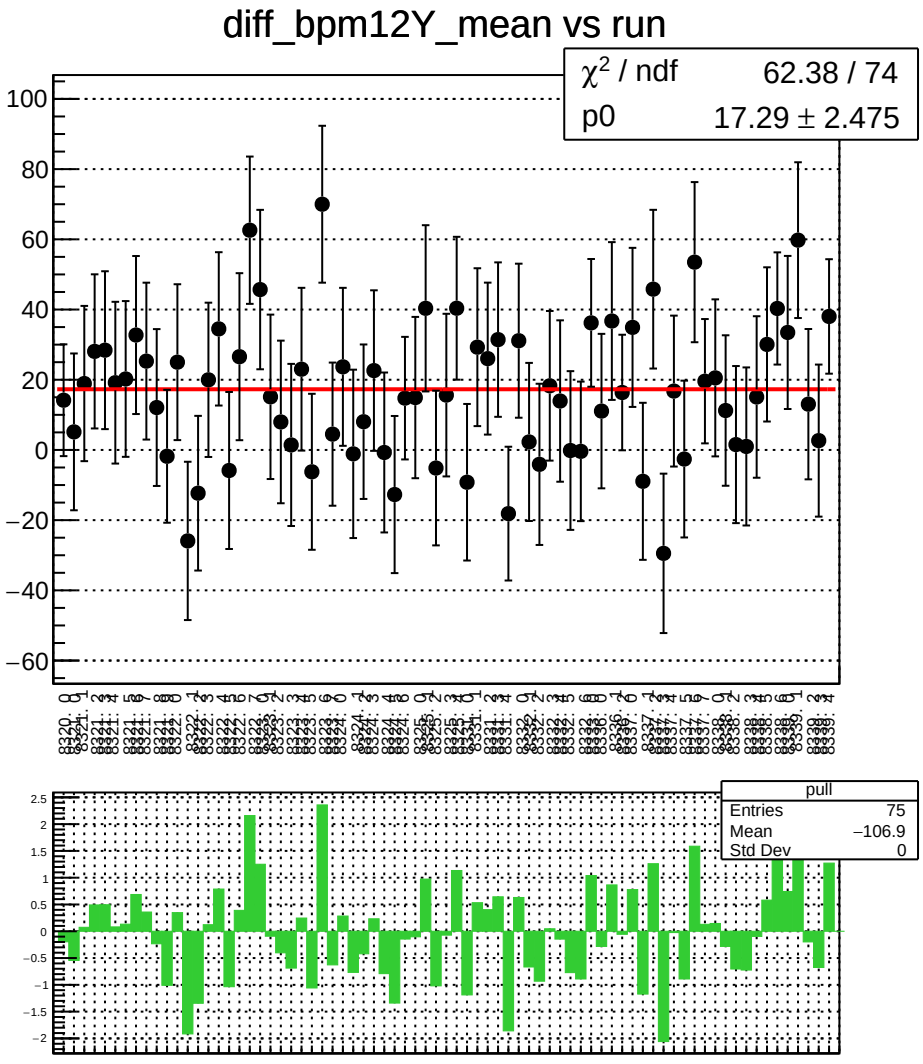

pull1D
Entries 75
Mean −0.01323
Std Dev 0.9356

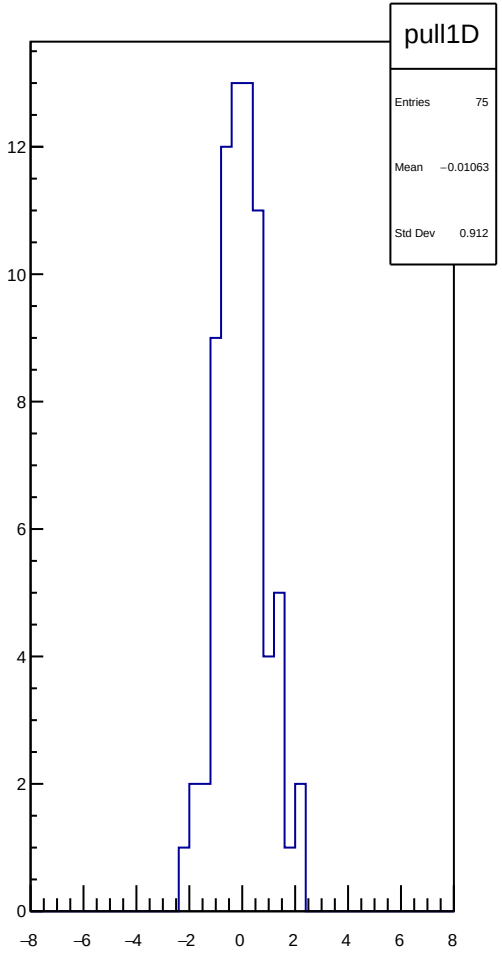

diff_bpm11Y_rms vs run
χ² / ndf 3050 / 74
p0 4231 ± 3.481
4700
4600
4500
4400
4300
4200
4100
4000
3900

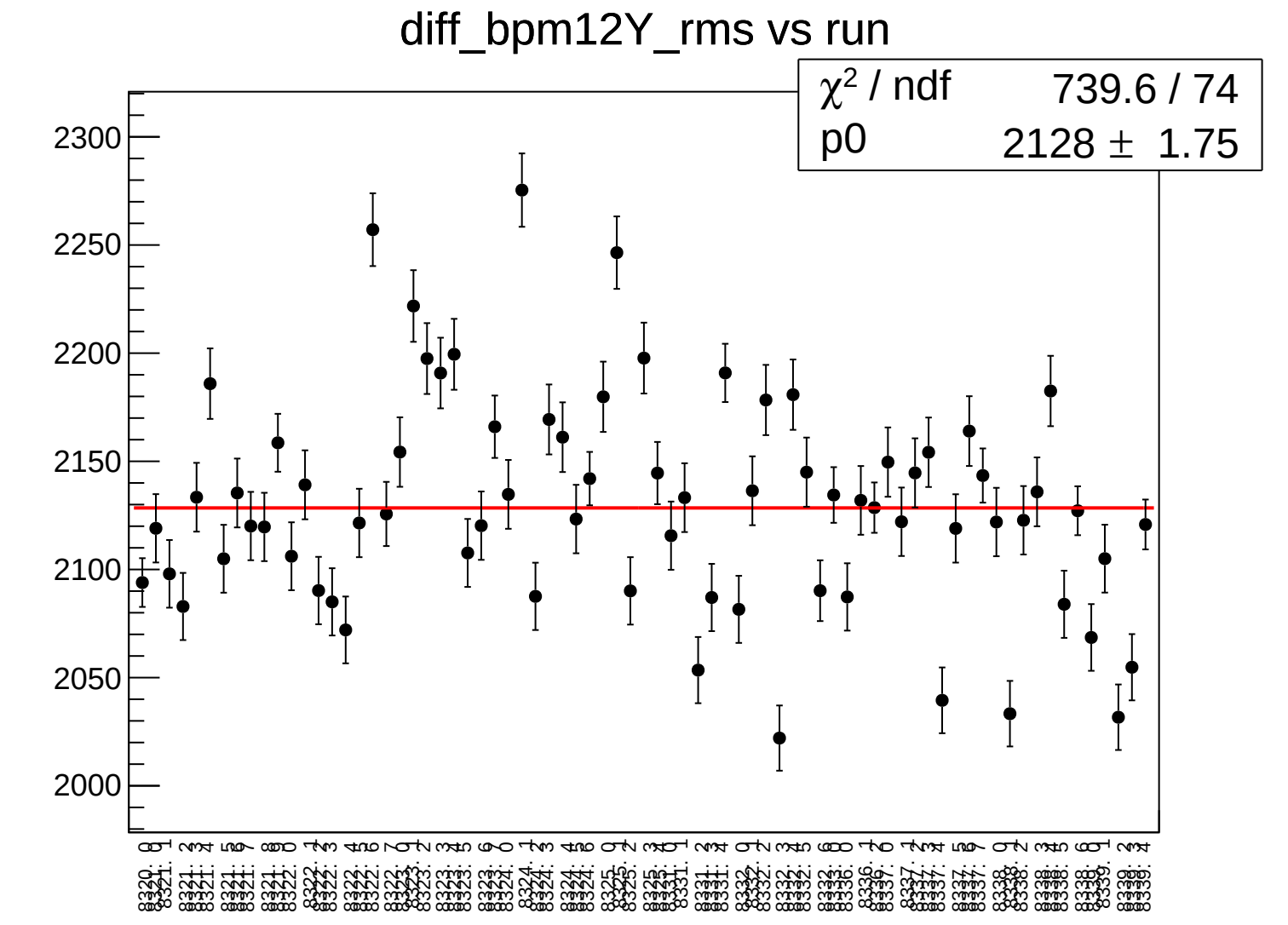

diff_bpm12X_mean vs run
χ² / ndf 82.02 / 74
p0 −17.31 ± 47.55
1500
1000
500
0
−500
−1000
−1500
pull
Entries 75
Mean 474
Std Dev 0
2
1
0
−1
−2

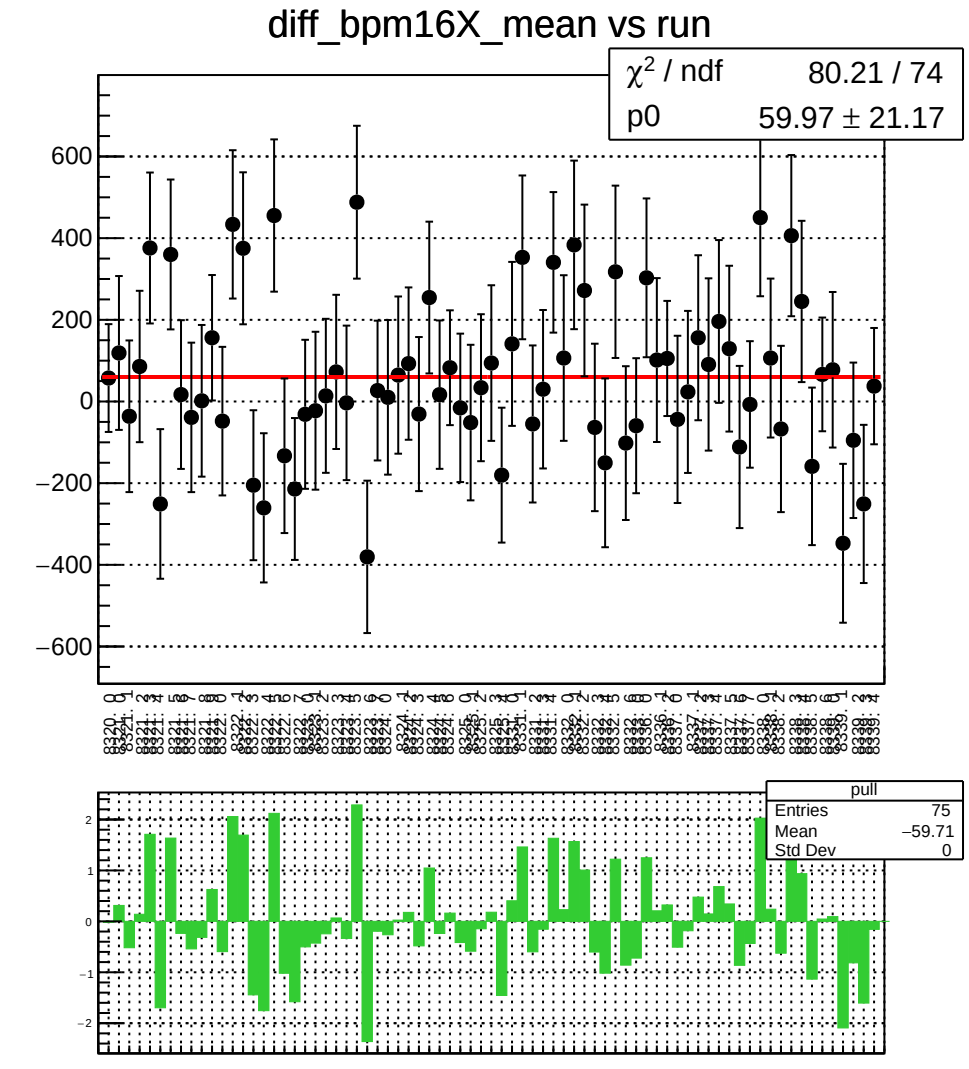

pull1D
Entries 75
Mean −0.002073
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

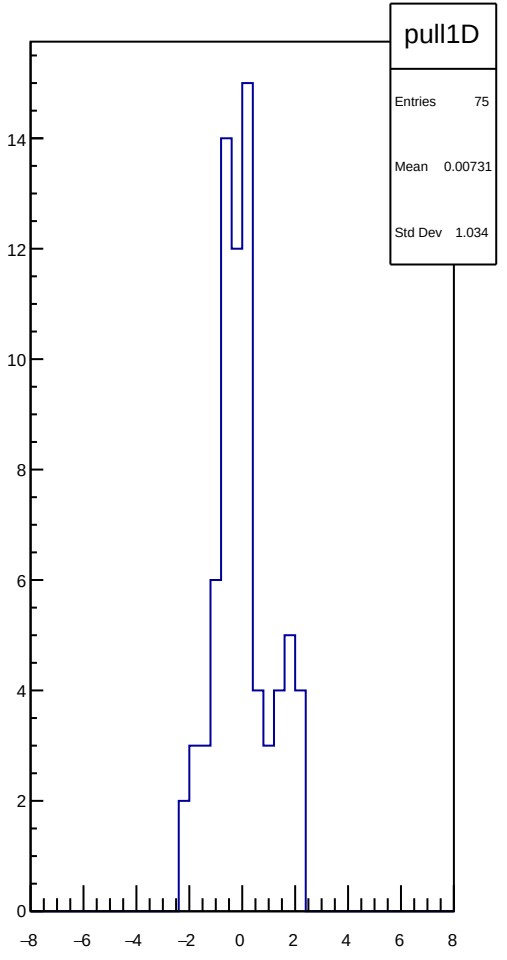

diff_bpm12X_rms vs run
χ² / ndf 1835 / 74
p0 4.088e+04 ± 33.63
46000
45000
44000
43000
42000
41000
40000
39000
38000
37000

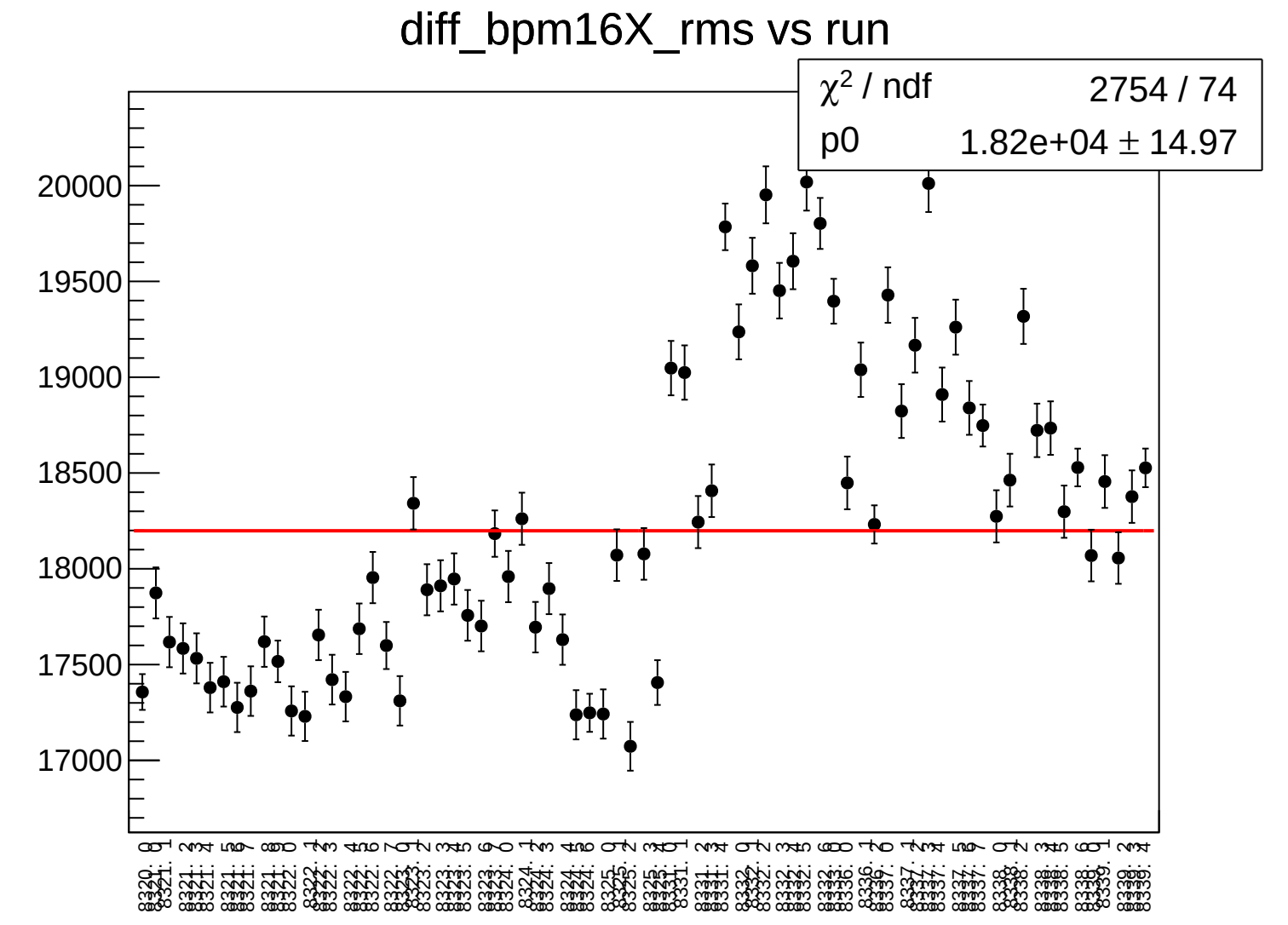

diff_bpm12Y_mean vs run
χ^2 / ndf 62.38 / 74
p0 17.29 ± 2.475
pull
Entries 75
Mean −106.9
Std Dev 0

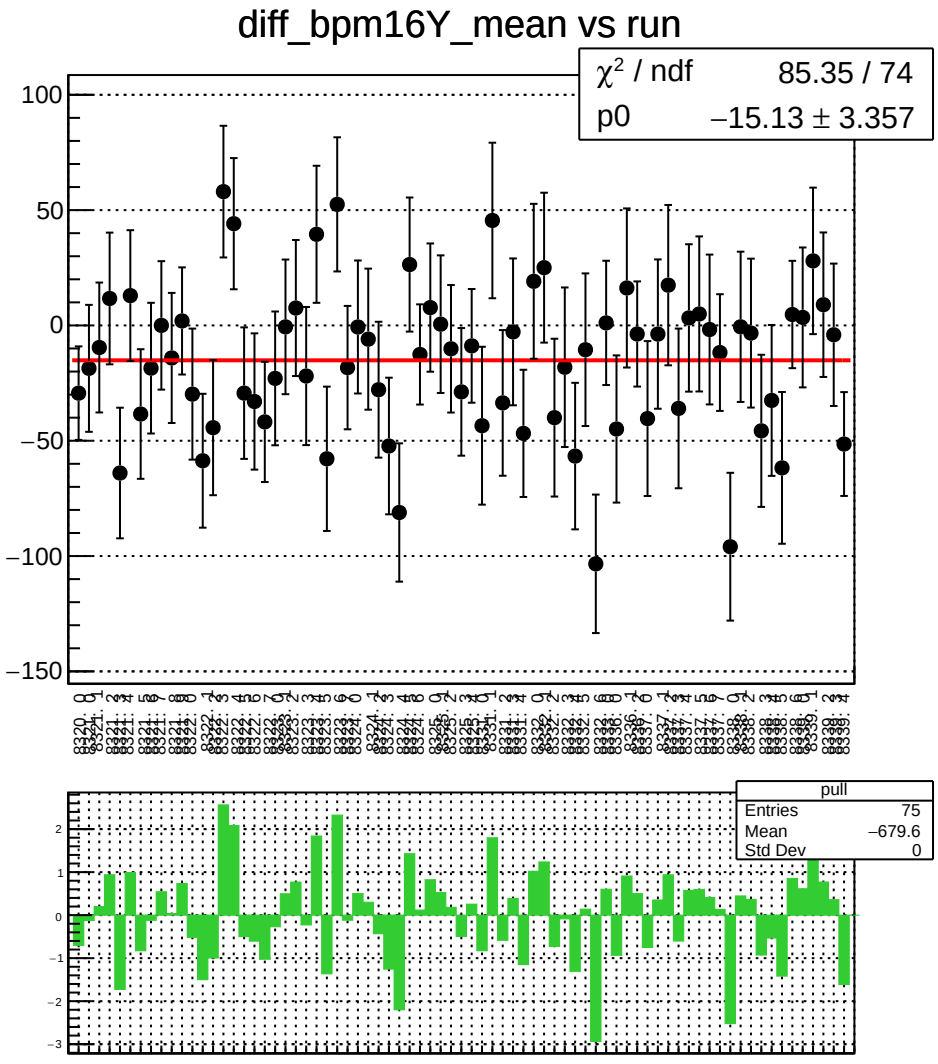

pull1D
Entries 75
Mean −0.01063
Std Dev 0.912

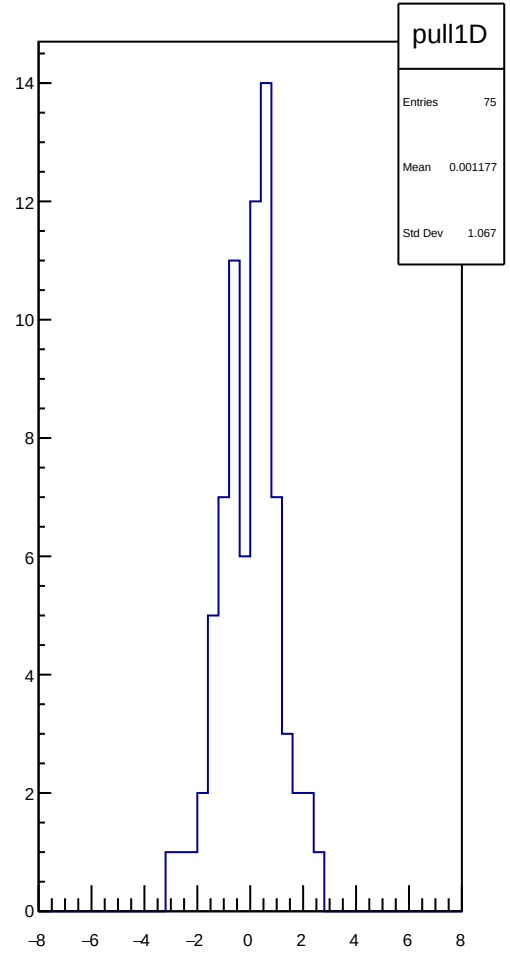

diff_bpm12Y_rms vs run
χ² / ndf 739.6 / 74
p0 2128 ± 1.75
2300
2250
2200
2150
2100
2050
2000

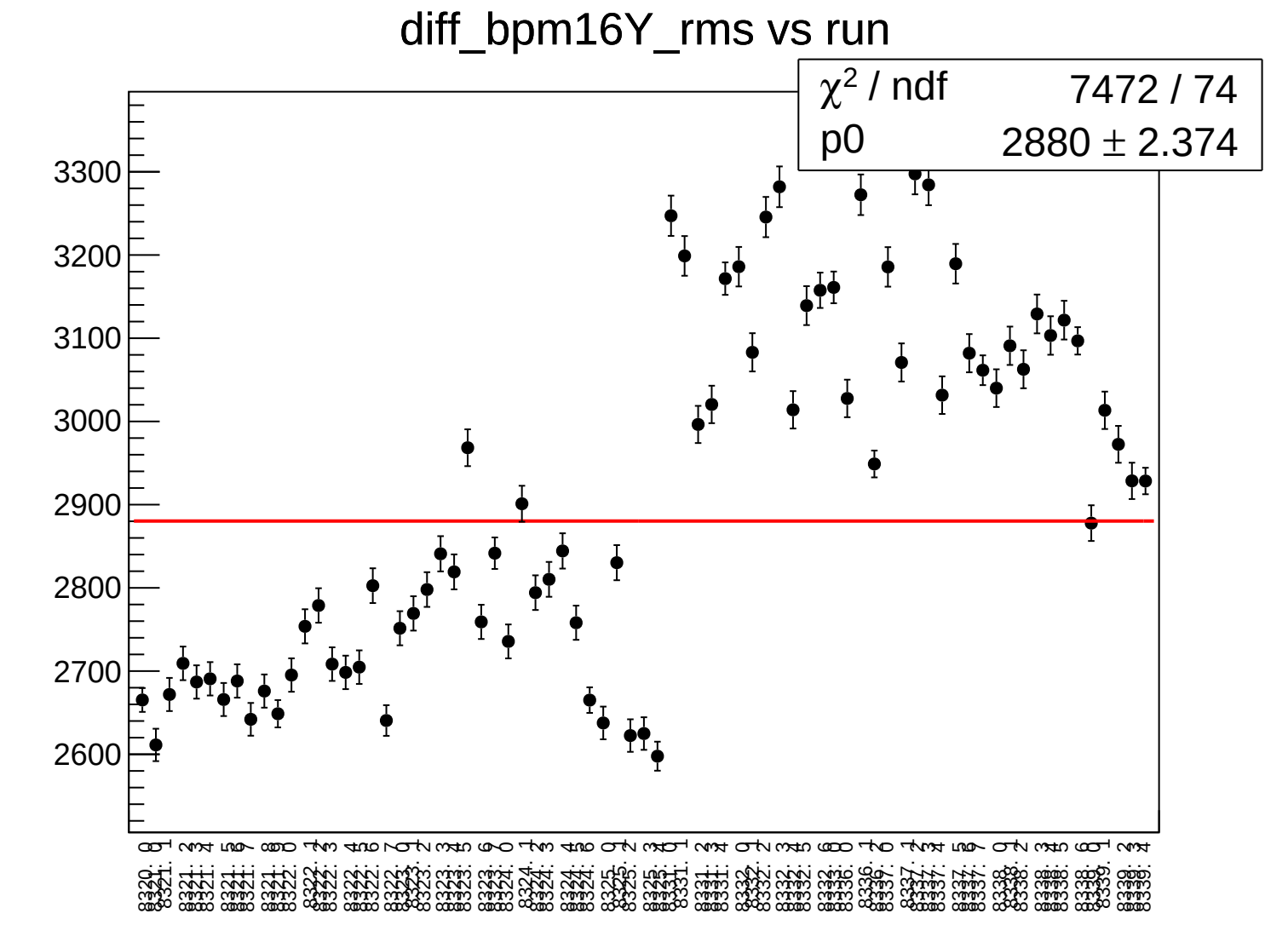

diff_bpm16X_mean vs run
χ² / ndf 80.21 / 74
p0 59.97 ± 21.17
pull
Entries 75
Mean −59.71
Std Dev 0

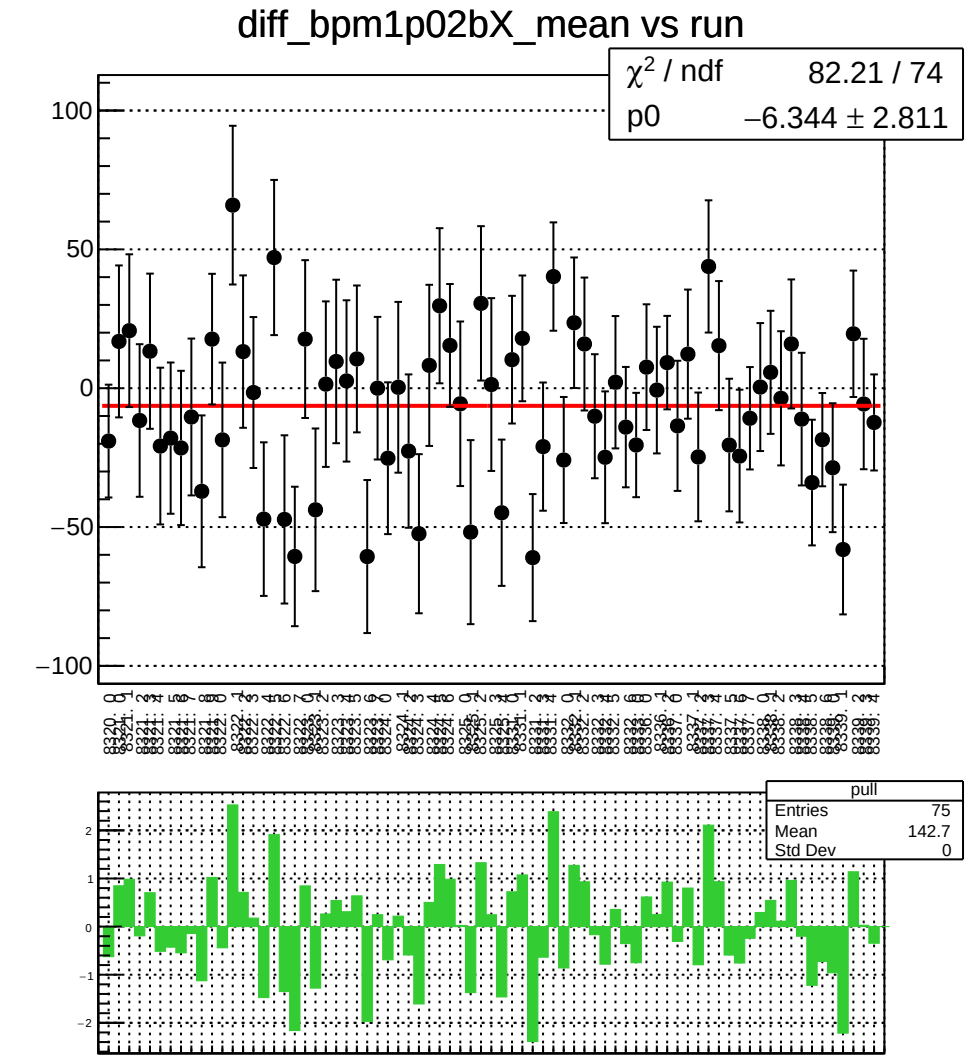

pull1D
Entries 75
Mean 0.00731
Std Dev 1.034

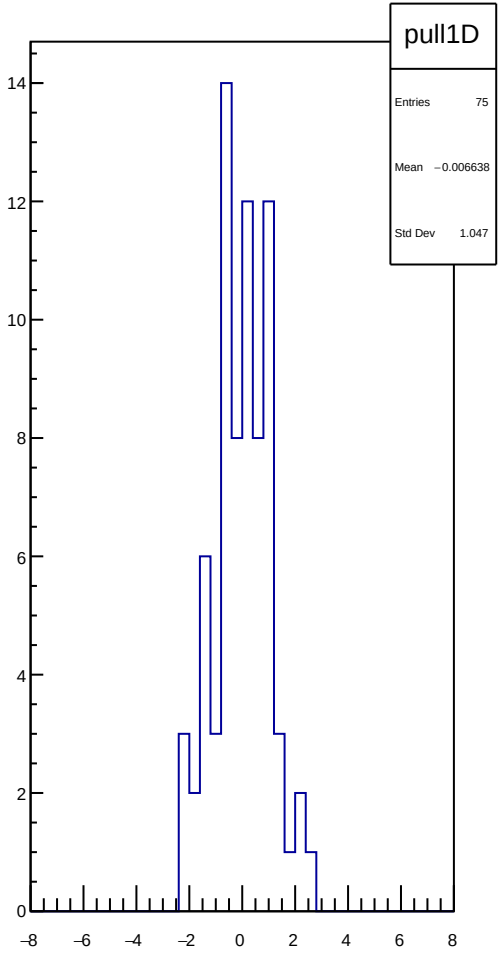

diff_bpm16X_rms vs run
χ² / ndf 2754 / 74
p0 1.82e+04 ± 14.97
20000
19500
19000
18500
18000
17500
17000

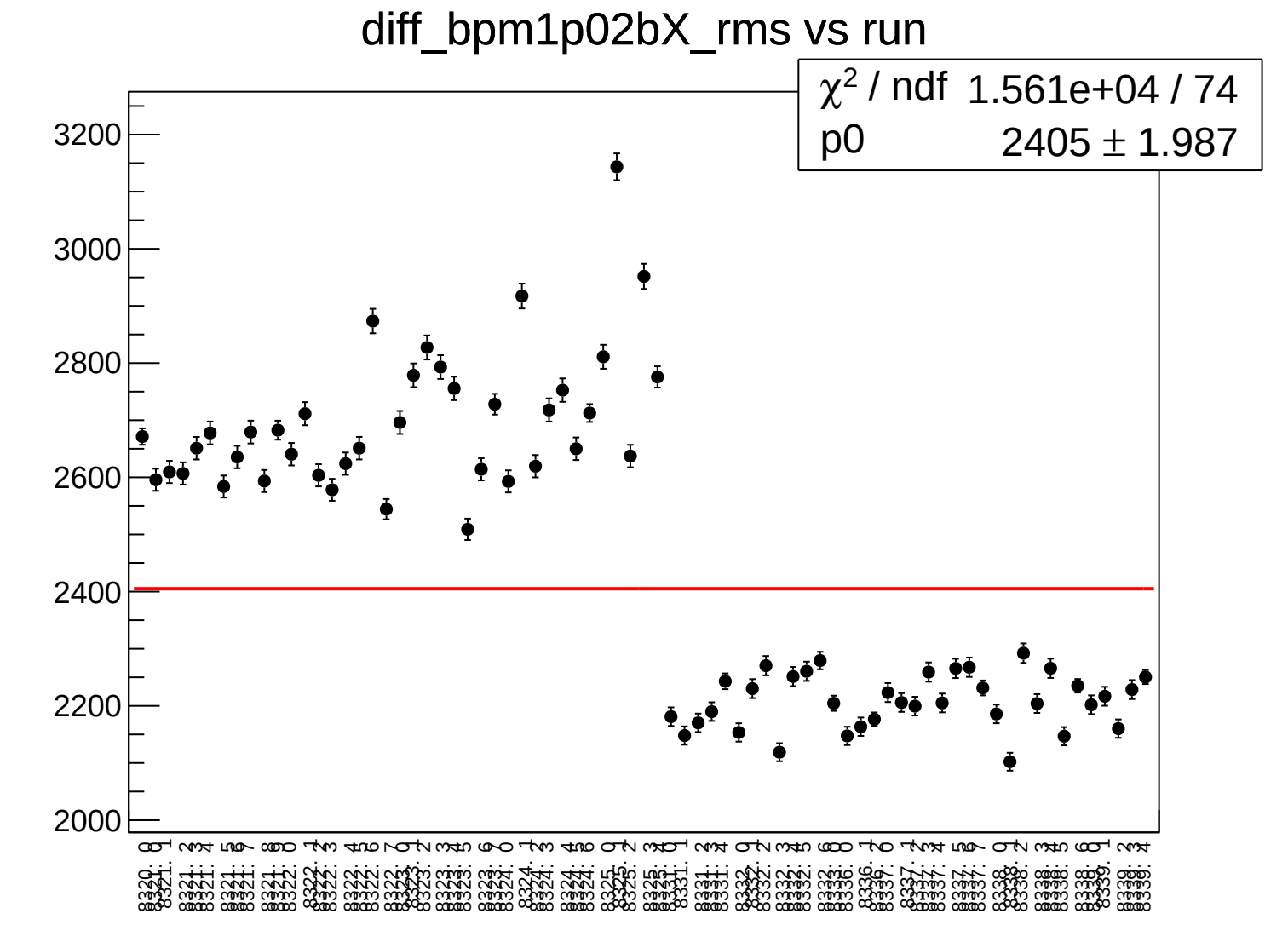

diff_bpm16Y_mean vs run
χ² / ndf 85.35 / 74
p0 −15.13 ± 3.357
pull
Entries 75
Mean −679.6
Std Dev 0

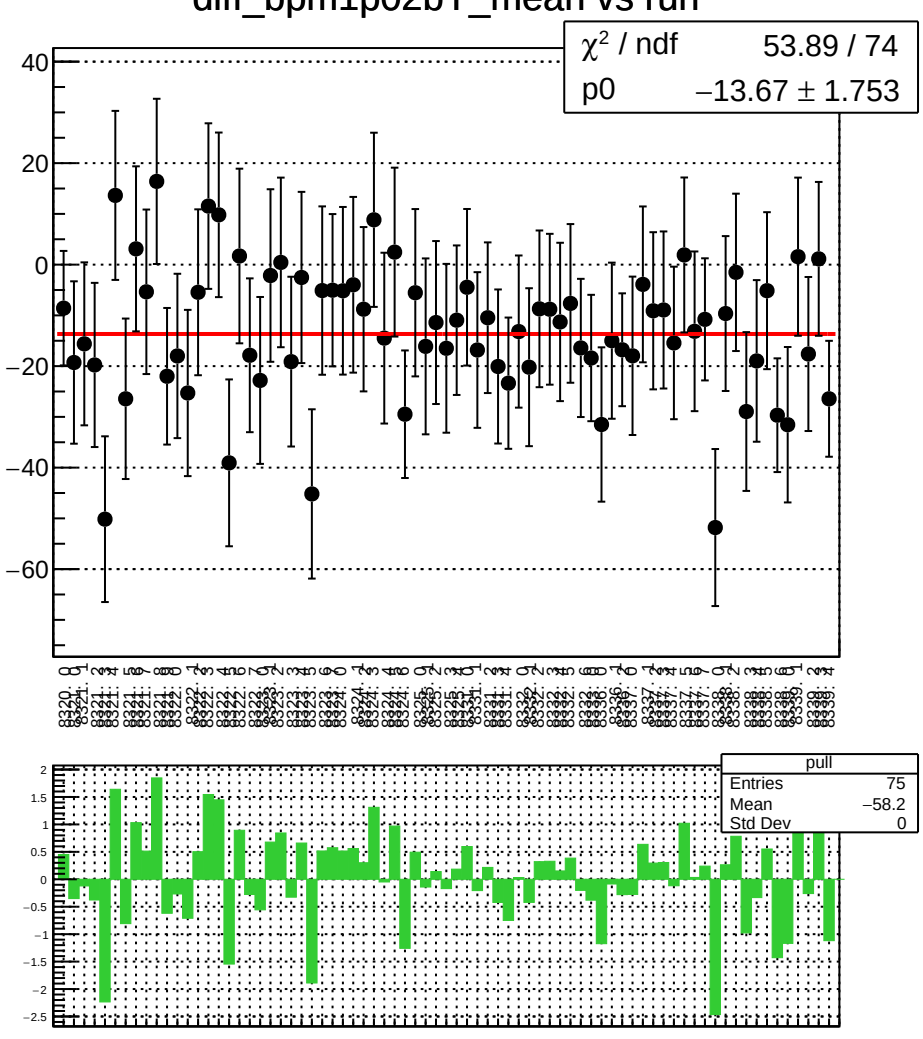

pull1D
Entries 75
Mean 0.001177
Std Dev 1.067

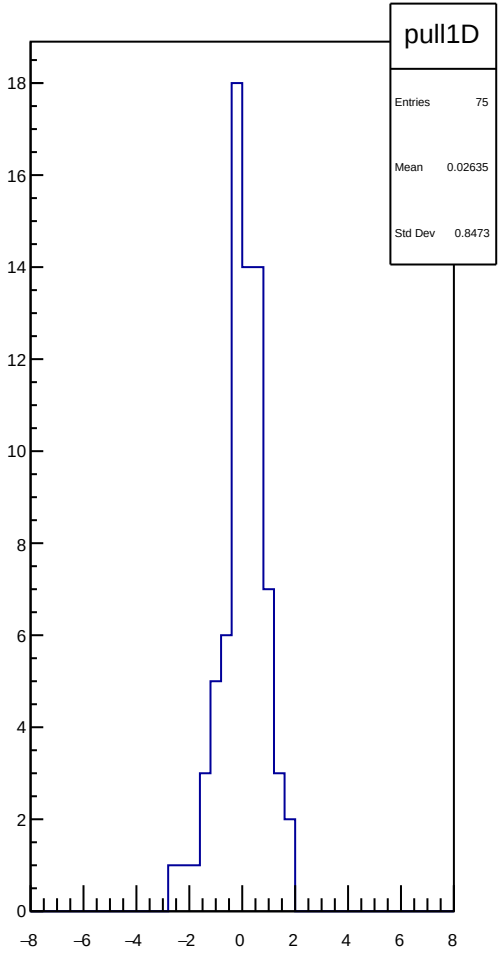

diff_bpm16Y_rms vs run
χ² / ndf 7472 / 74
p0 2880 ± 2.374
3300
3200
3100
3000
2900
2800
2700
2600

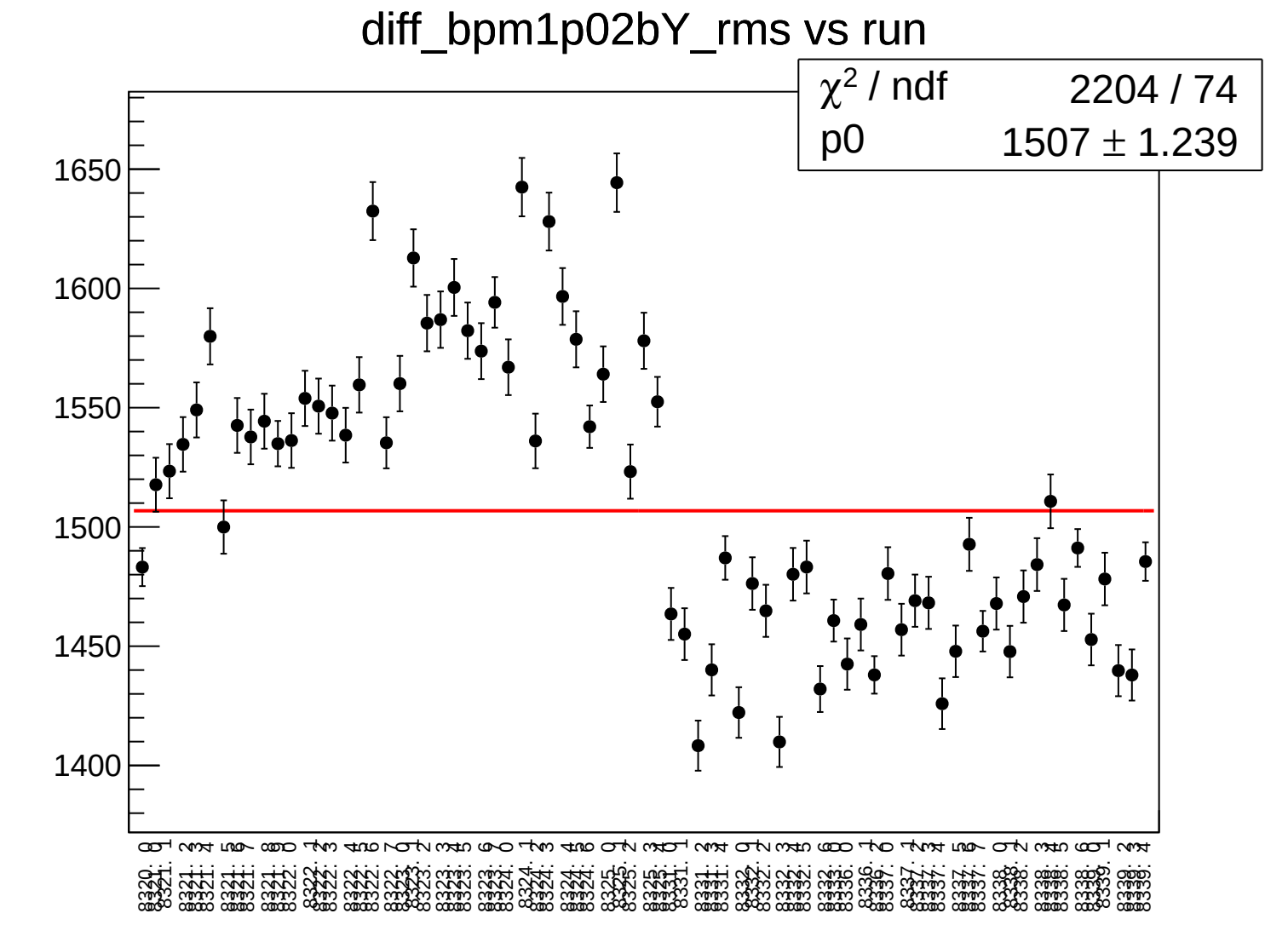

diff_bpm1p02bX_mean vs run
χ² / ndf 82.21 / 74
p0 −6.344 ± 2.811
pull
Entries 75
Mean 142.7
Std Dev 0

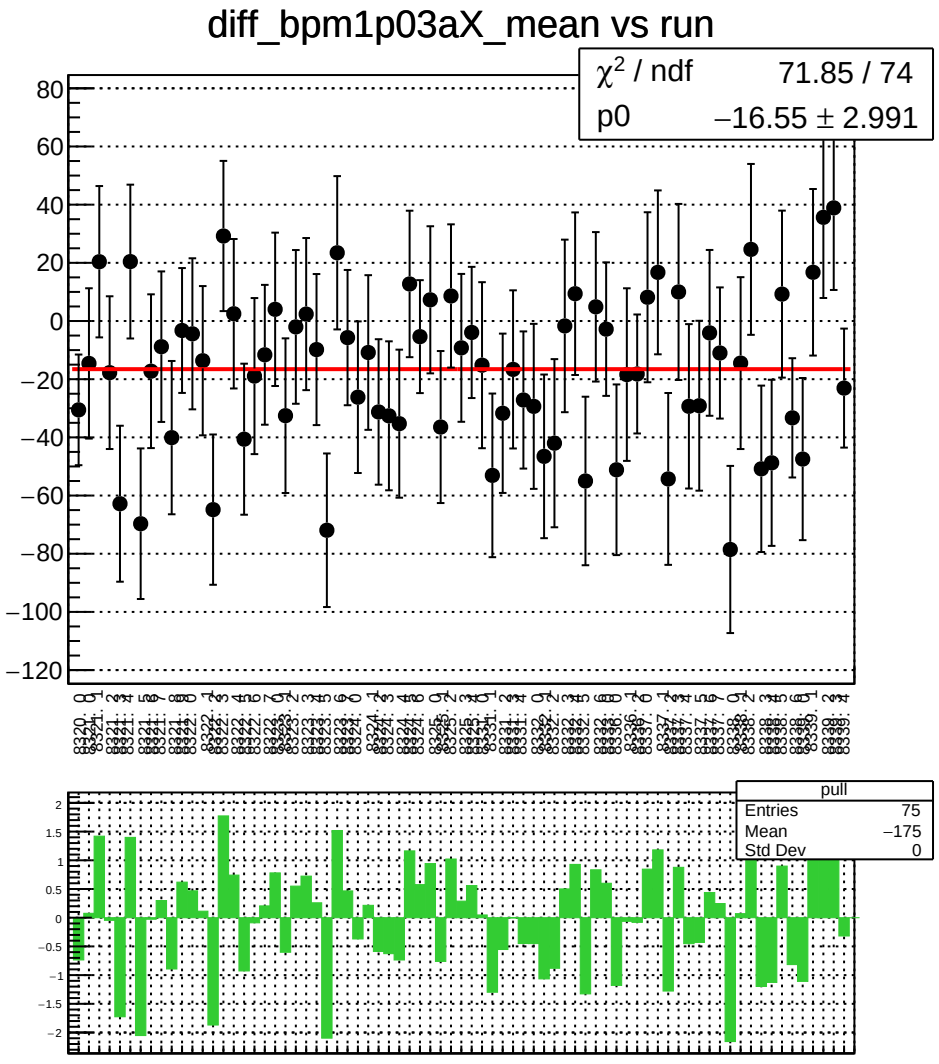

pull1D
Entries 75
Mean −0.006638
Std Dev 1.047

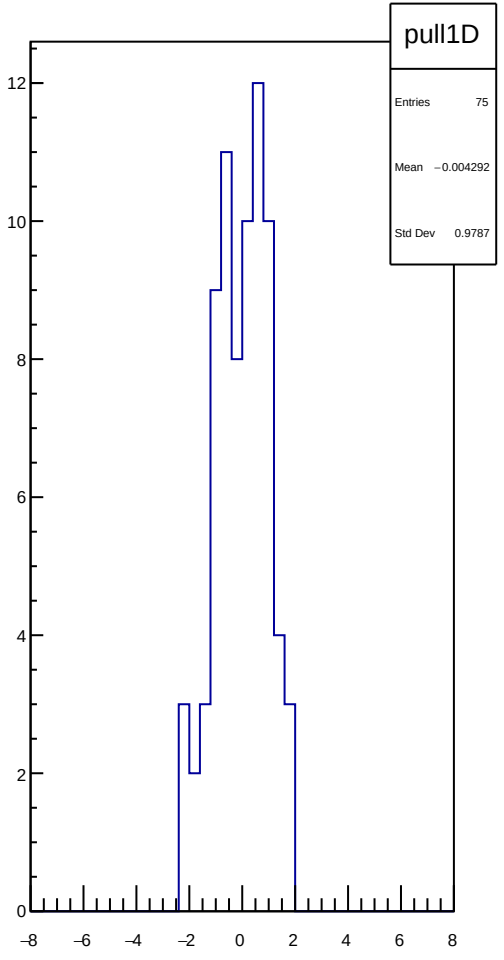

diff_bpm1p02bX_rms vs run
χ² / ndf 1.561e+04 / 74
p0 2405 ± 1.987
3200
3000
2800
2600
2400
2200
2000

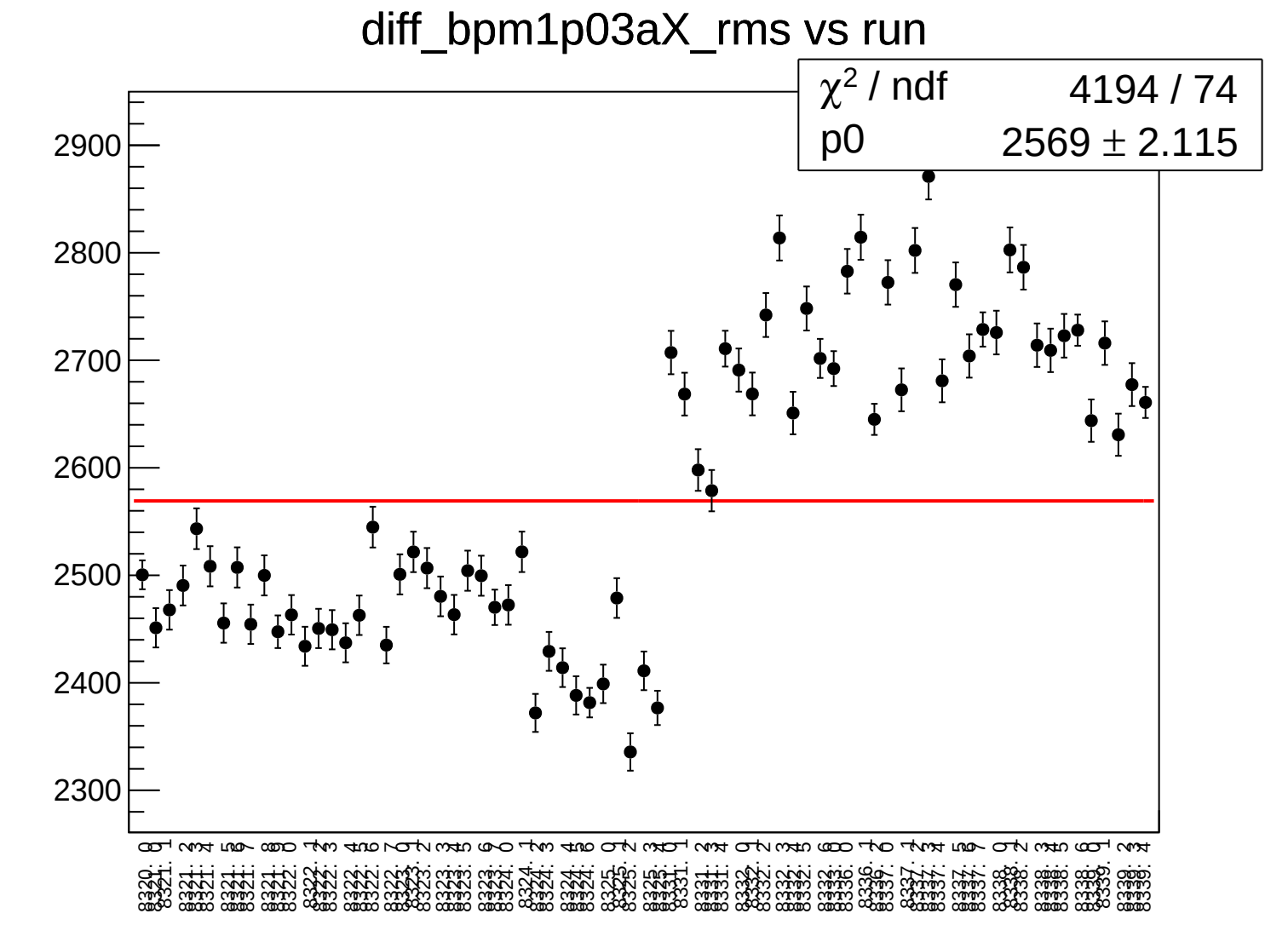

diff_bpm1p02bY_mean vs run
χ² / ndf 53.89 / 74
p0 −13.67 ± 1.753
pull
Entries 75
Mean −58.2
Std Dev 0

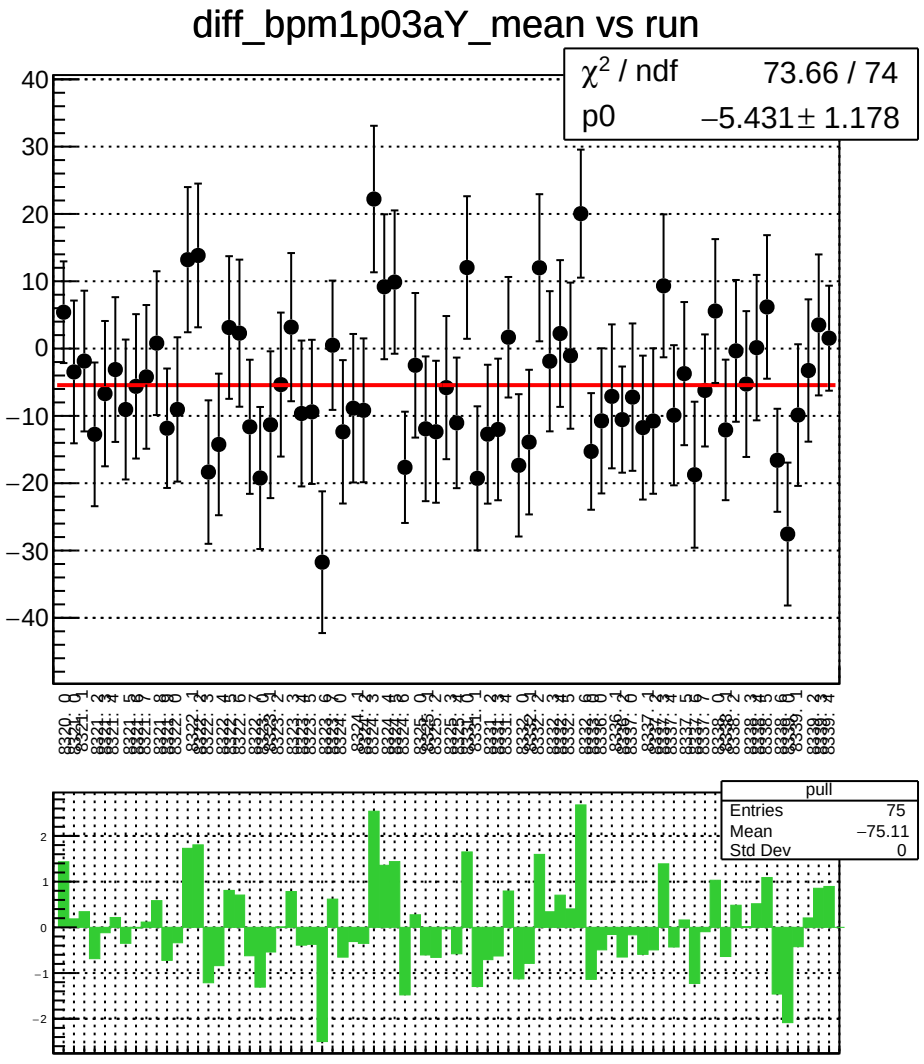

pull1D
Entries 75
Mean 0.02635
Std Dev 0.8473

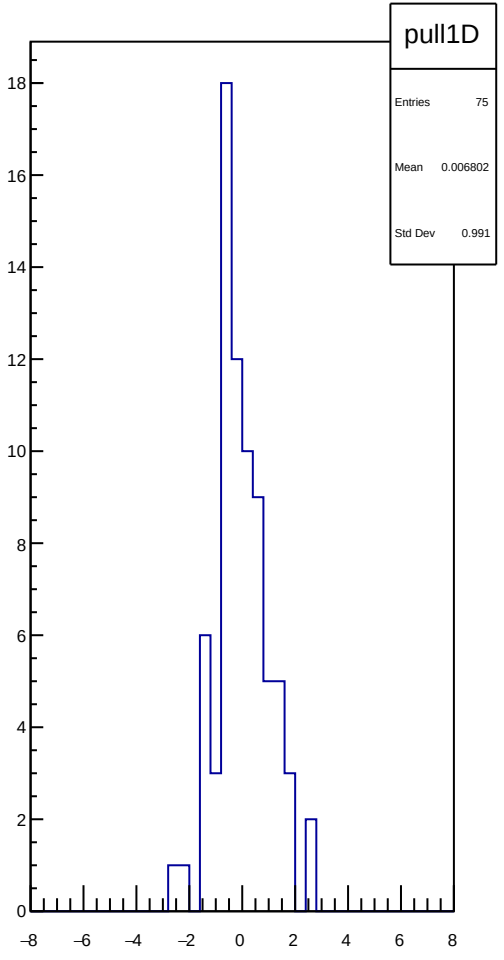

diff_bpm1p02bY_rms vs run
χ² / ndf 2204 / 74
p0 1507 ± 1.239
1650
1600
1550
1500
1450
1400

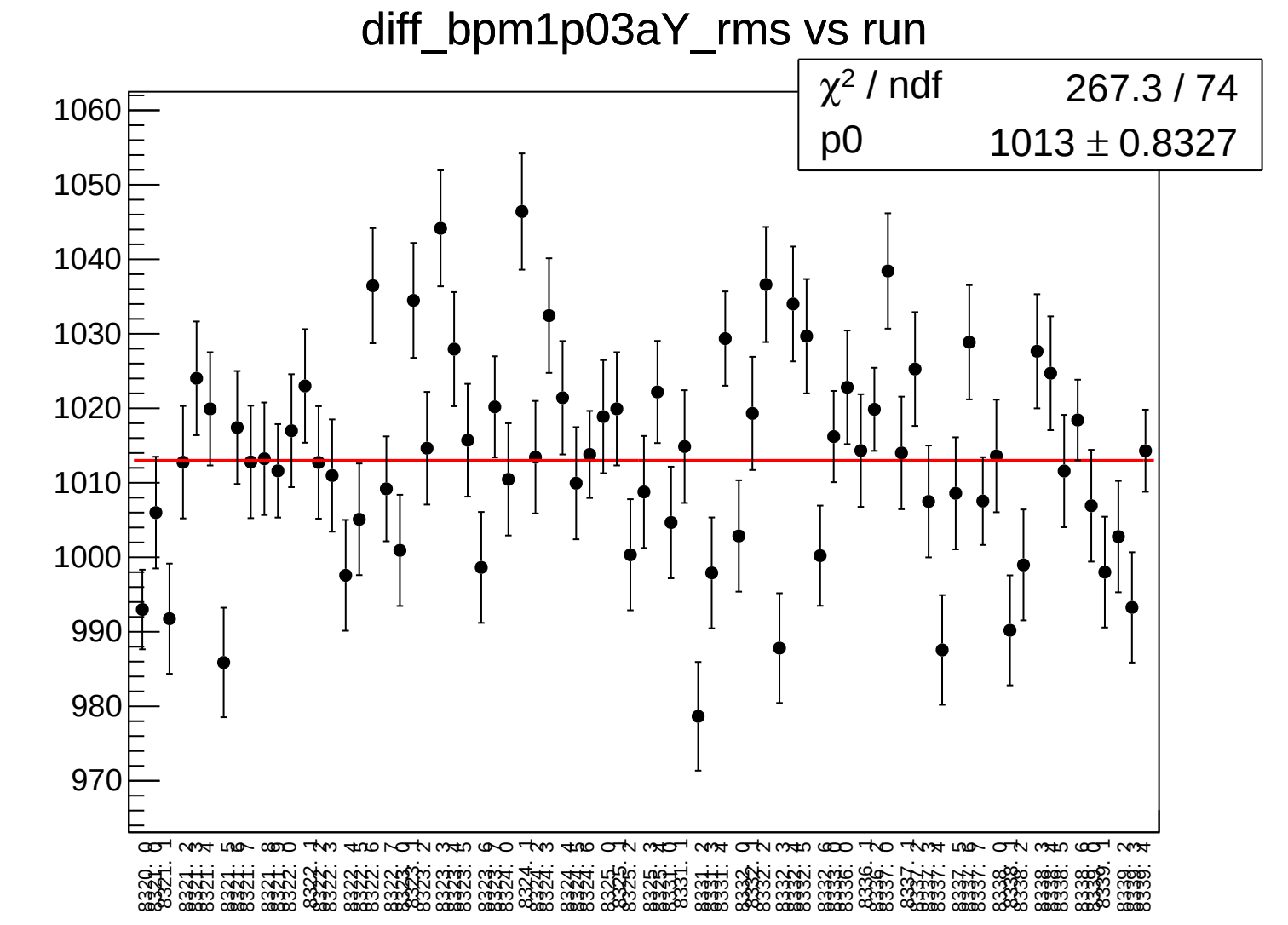

diff_bpm1p03aX_mean vs run
χ² / ndf 71.85 / 74
p0 −16.55 ± 2.991
pull
Entries 75
Mean −175
Std Dev 0

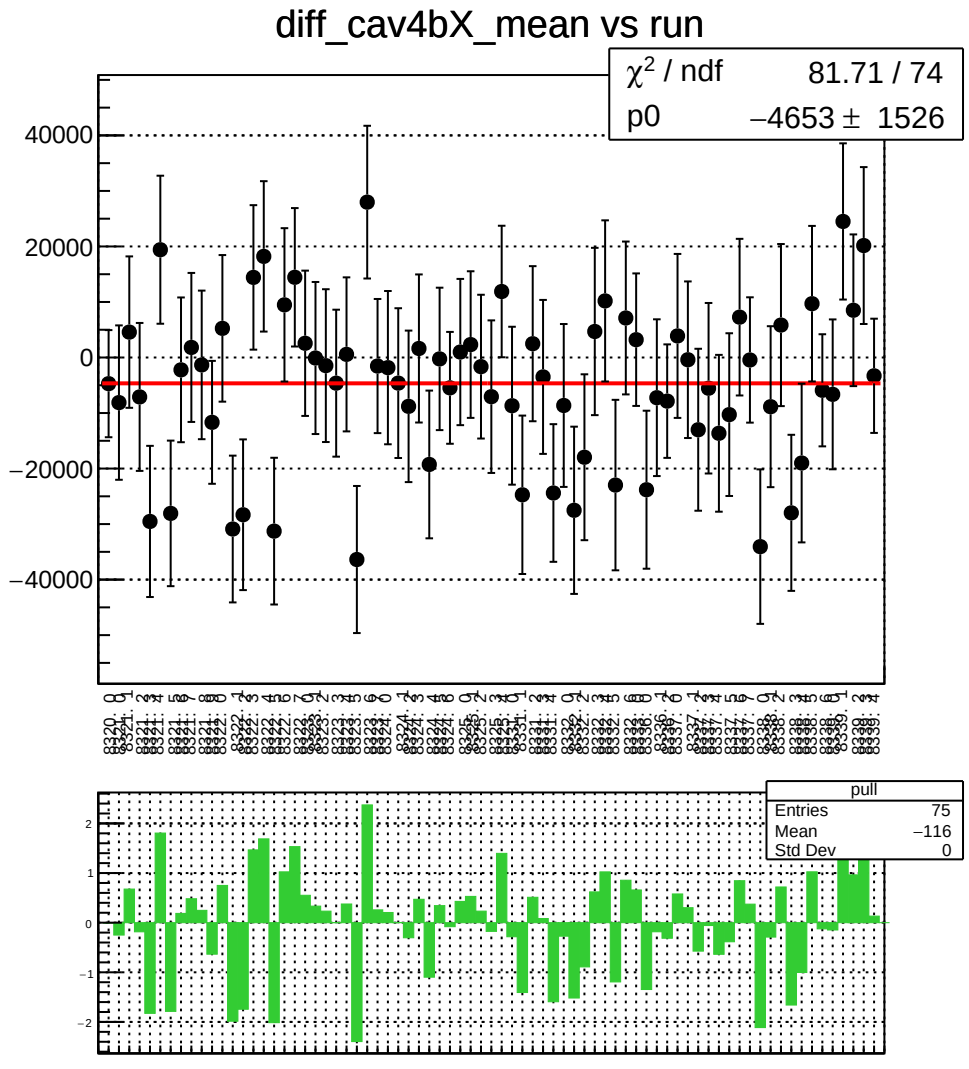

pull1D
Entries 75
Mean −0.004292
Std Dev 0.9787

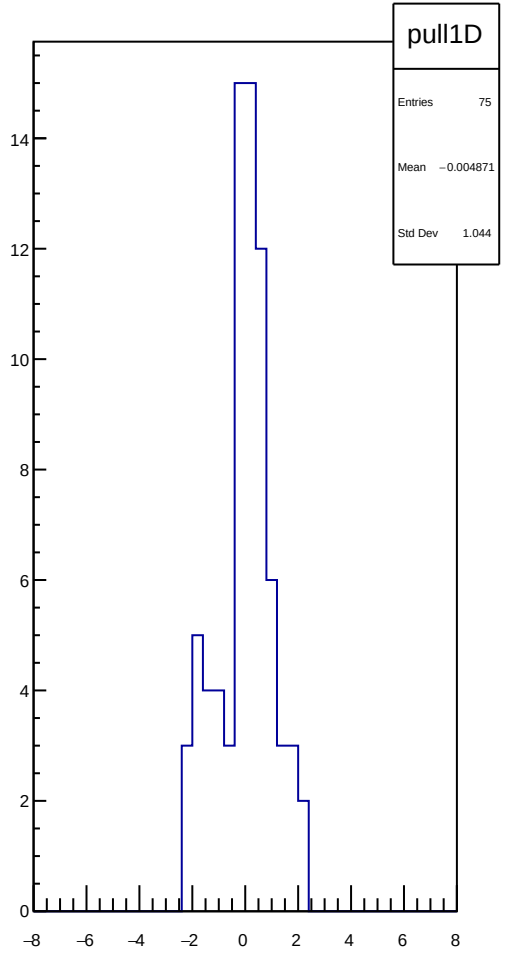

diff_bpm1p03aX_rms vs run
χ² / ndf 4194 / 74
p0 2569 ± 2.115
2900
2800
2700
2600
2500
2400
2300

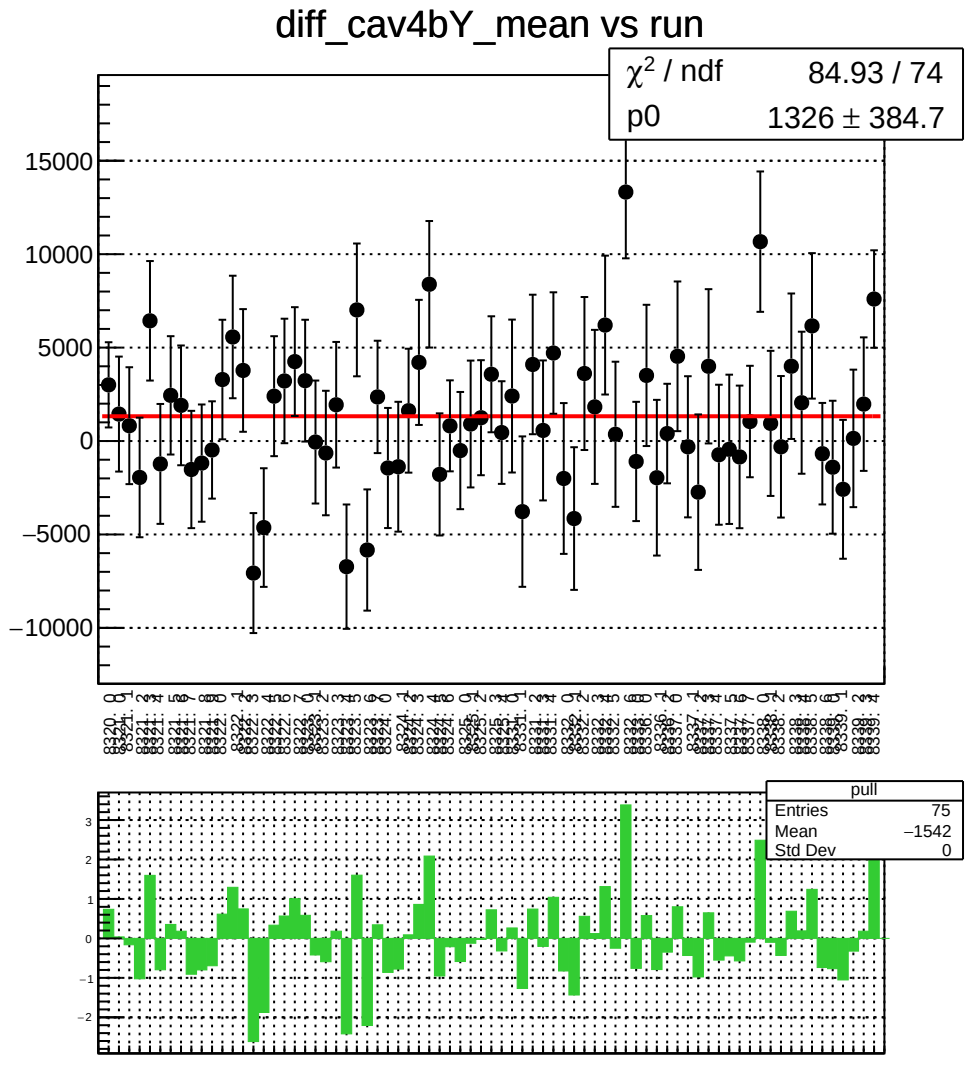

diff_bpm1p03aY_mean vs run
χ² / ndf 73.66 / 74
p0 −5.431 ± 1.178
pull
Entries 75
Mean −75.11
Std Dev 0

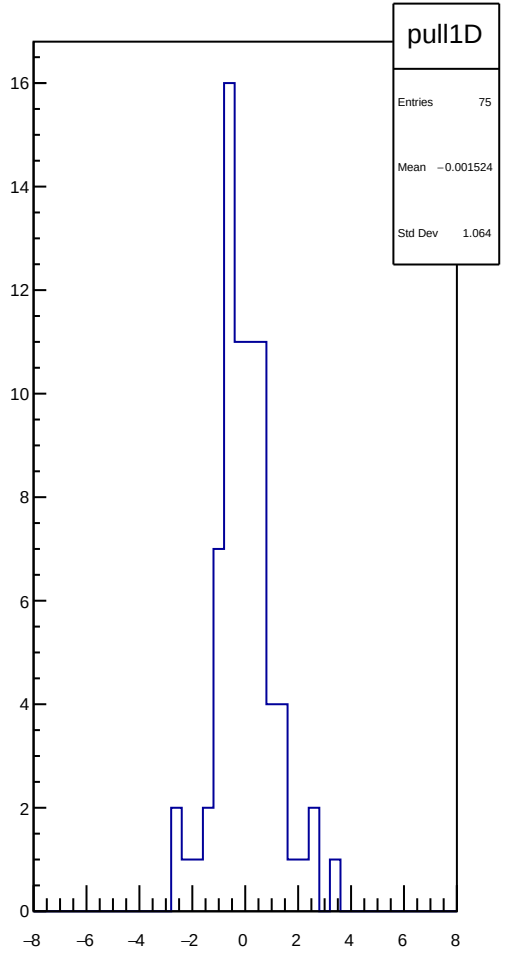

pull1D
Entries 75
Mean 0.006802
Std Dev 0.991

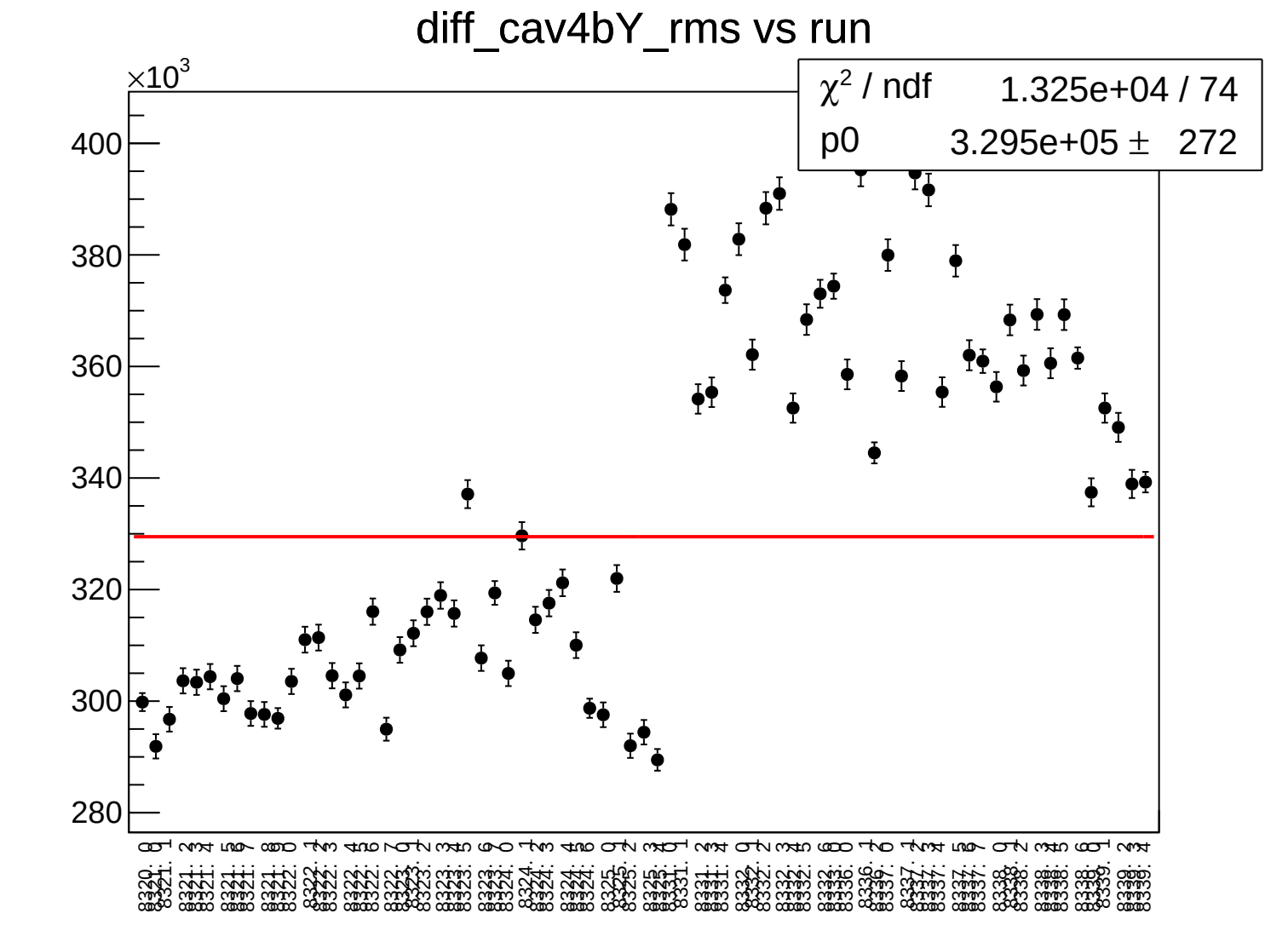

diff_bpm1p03aY_rms vs run
χ² / ndf 267.3 / 74
p0 1013 ± 0.8327
1060
1050
1040
1030
1020
1010
1000
990
980
970

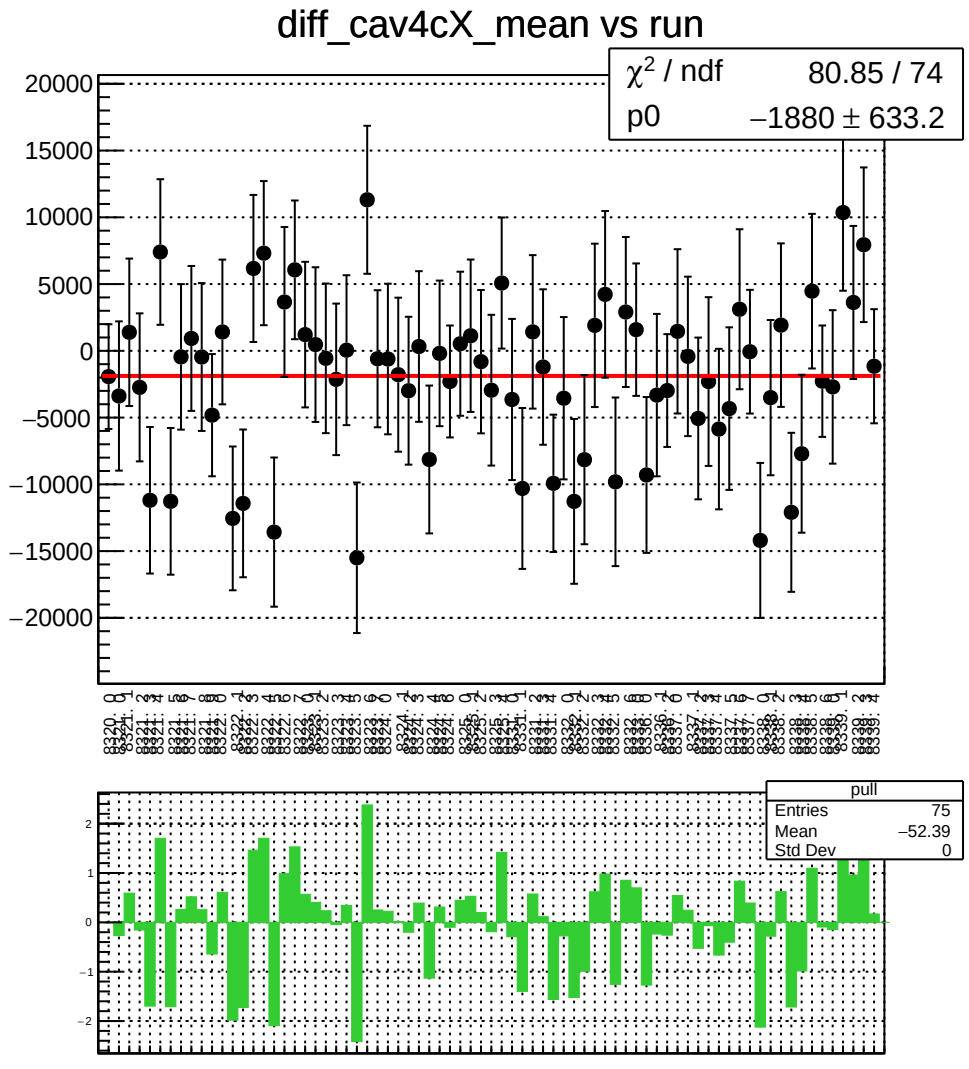

diff_cav4bX_mean vs run
χ^2 / ndf 81.71 / 74
p0 −4653 ± 1526
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −116
Std Dev 0
2
1
0
−1
−2

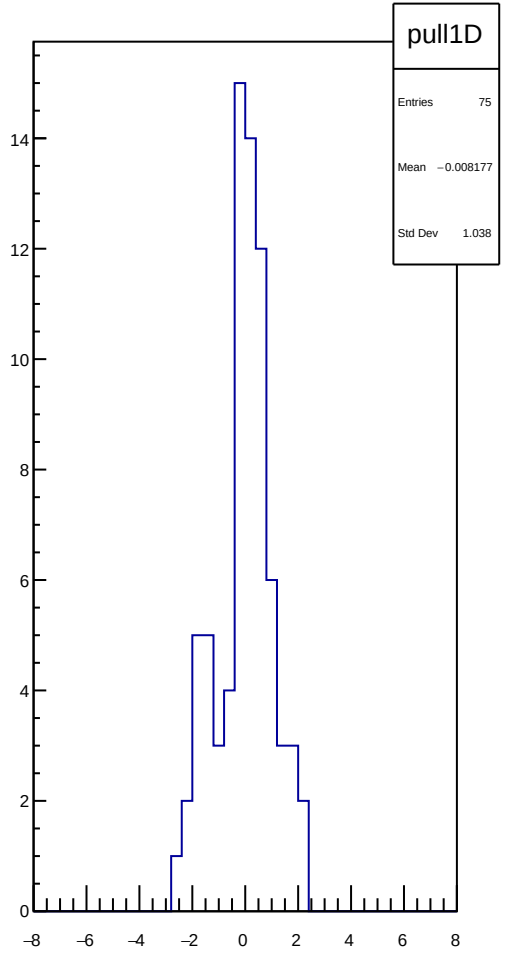

pull1D
Entries 75
Mean −0.004871
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

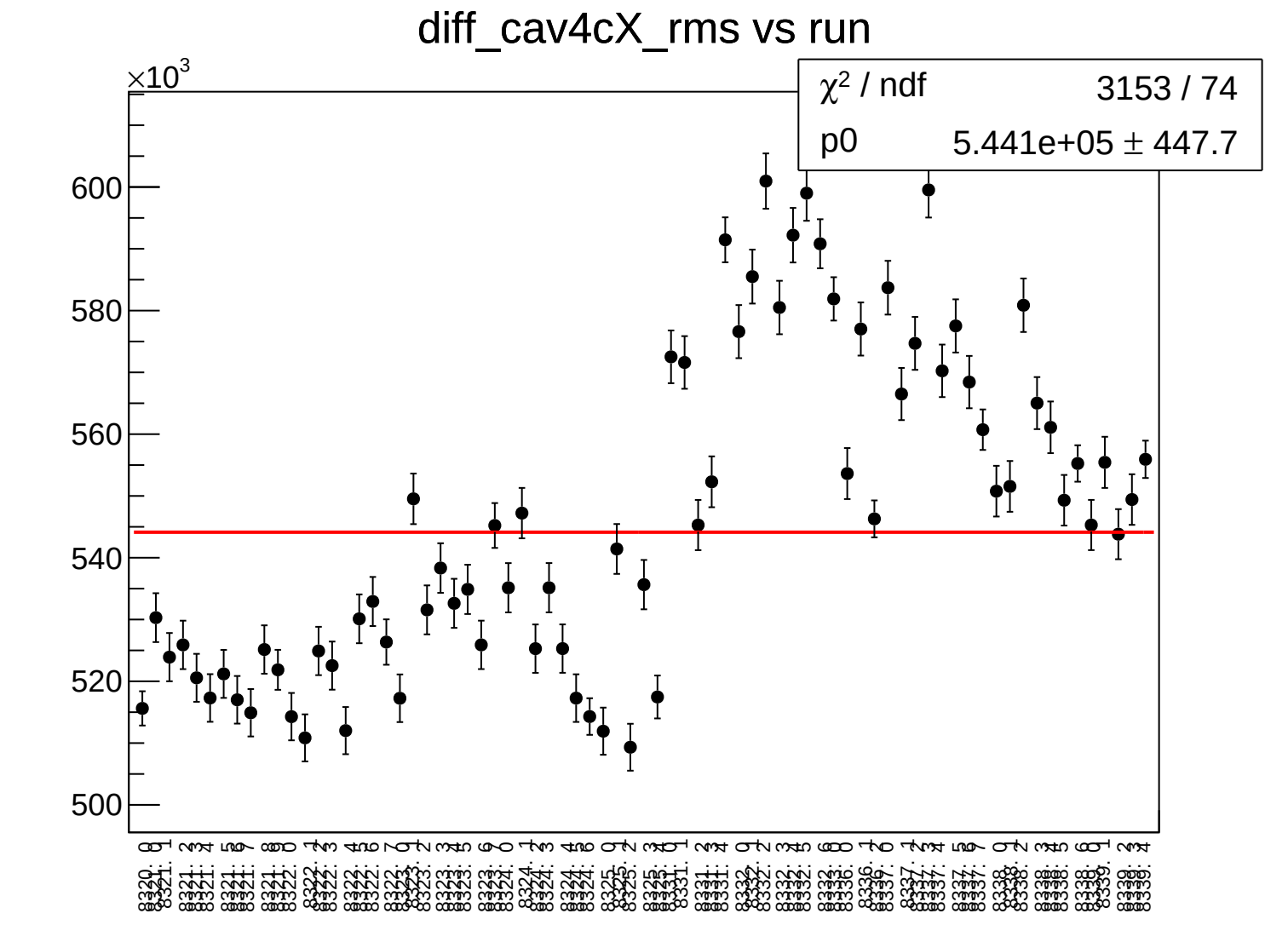

diff_cav4bY_mean vs run
χ² / ndf 84.93 / 74
p0 1326 ± 384.7
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −1542
Std Dev 0
3
2
1
0
−1
−2

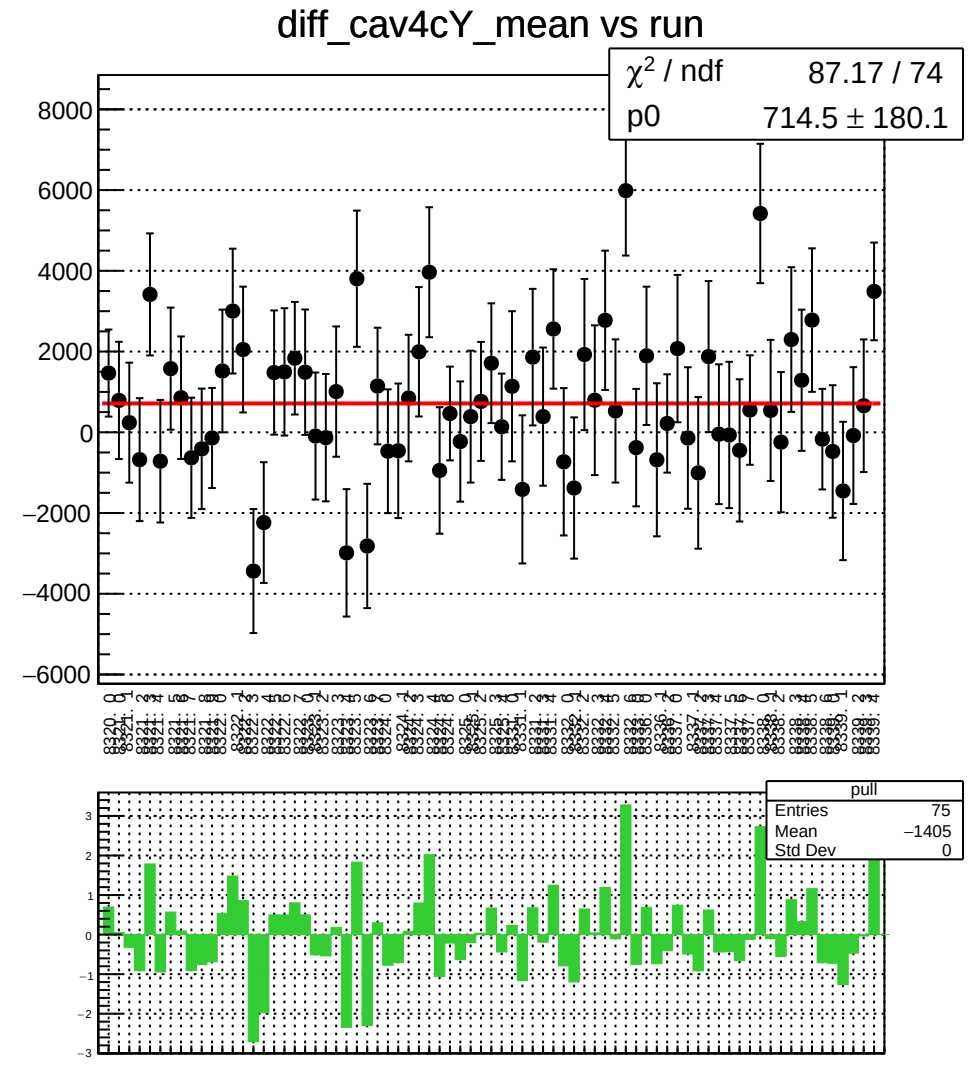

pull1D
Entries 75
Mean −0.001524
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

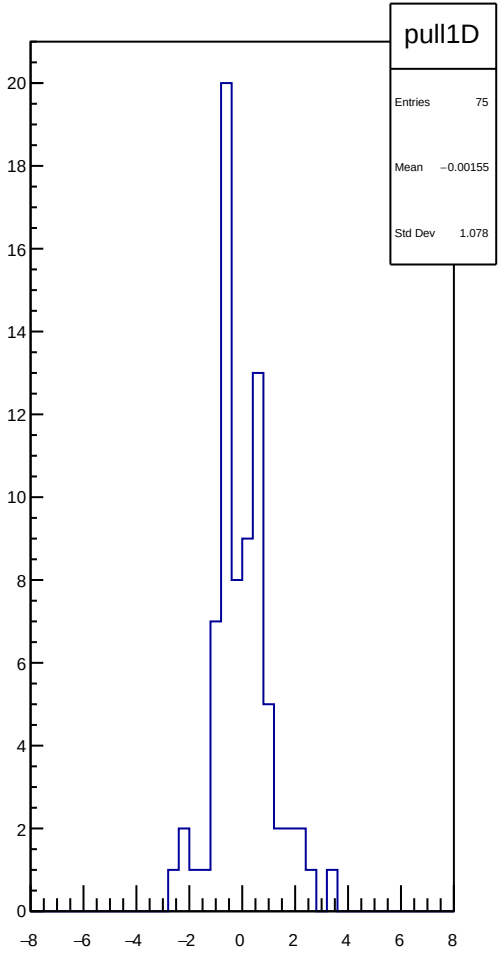

diff_cav4bY_rms vs run
×10^3
400
380
360
340
320
300
280
χ² / ndf 1.325e+04 / 74
p0 3.295e+05 ± 272

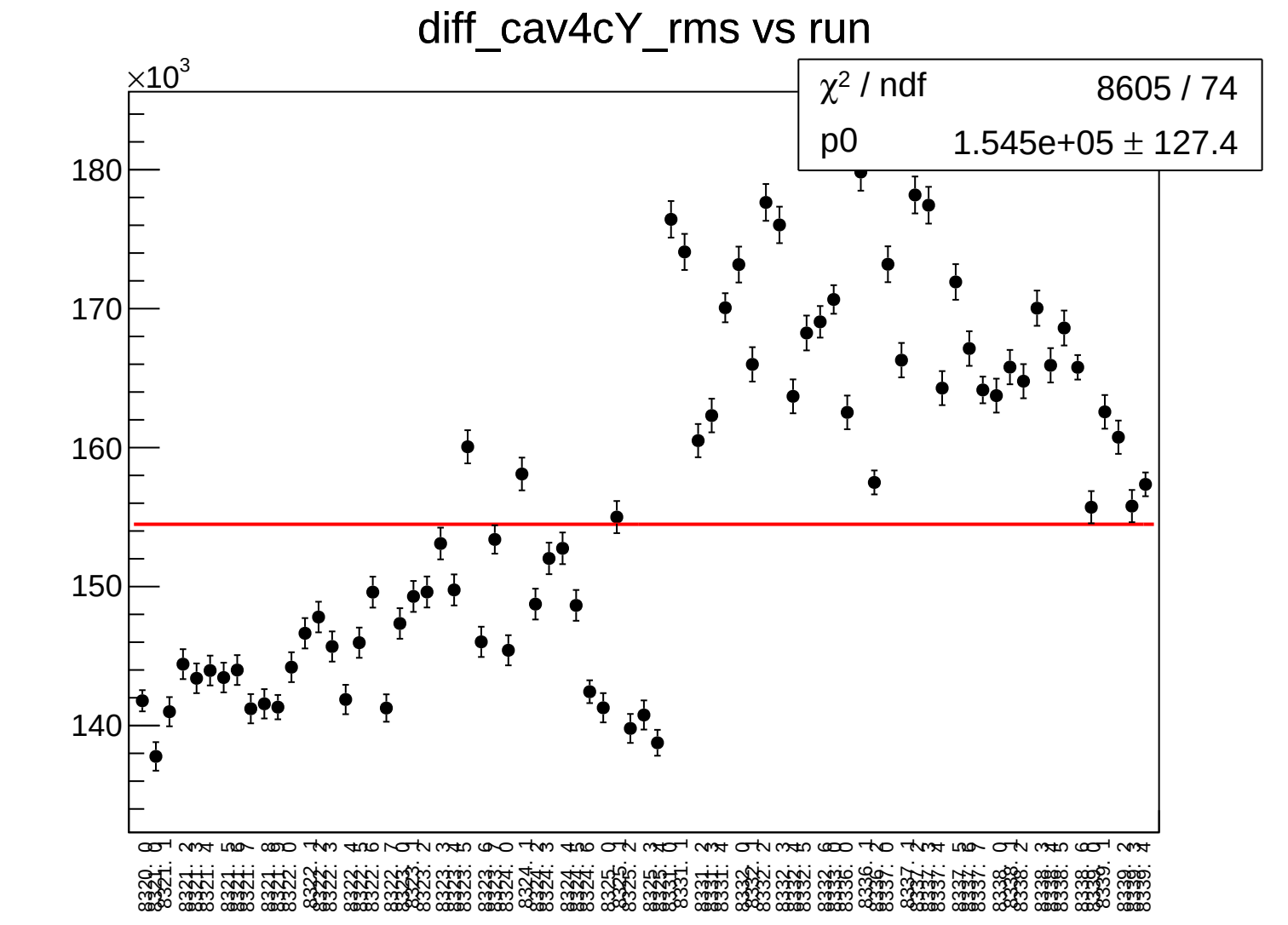

diff_cav4cX_mean vs run
χ² / ndf 80.85 / 74
p0 −1880 ± 633.2
pull
Entries 75
Mean −52.39
Std Dev 0

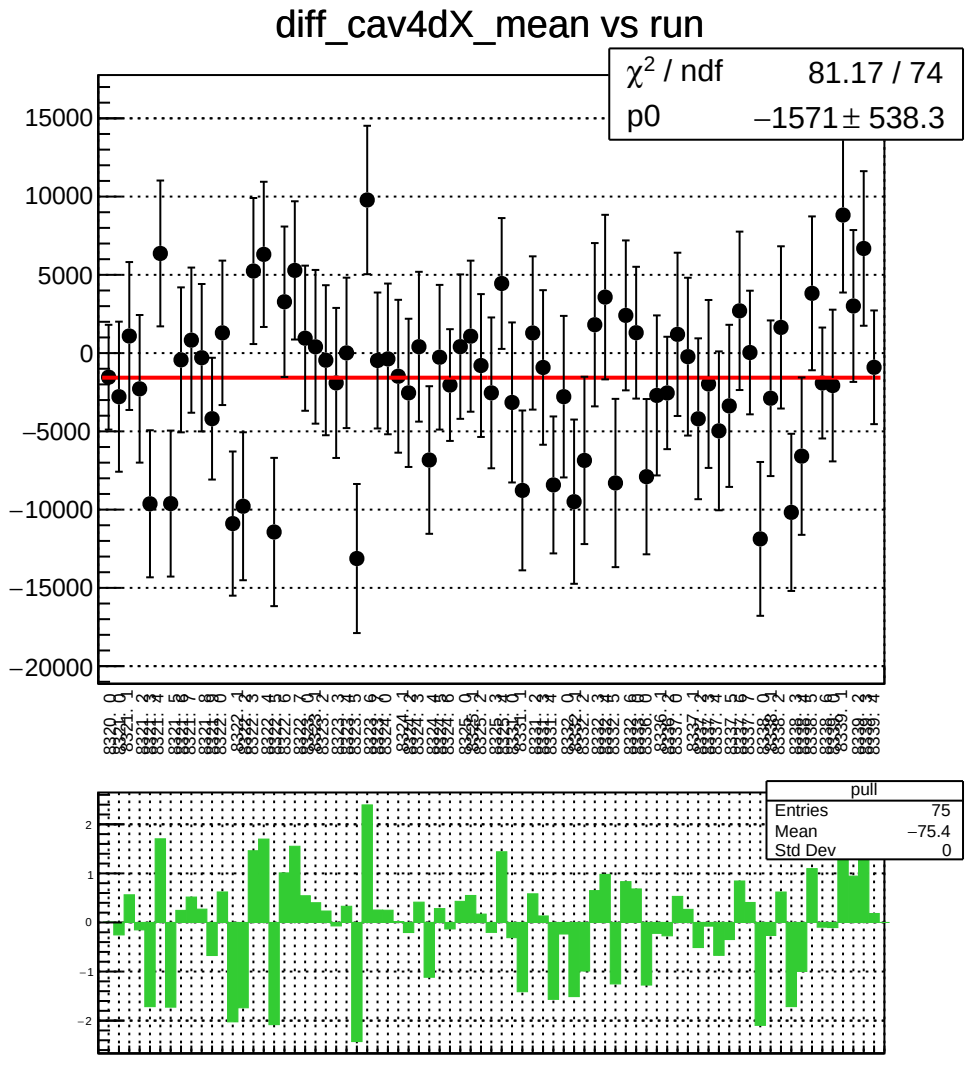

pull1D
Entries 75
Mean −0.008177
Std Dev 1.038

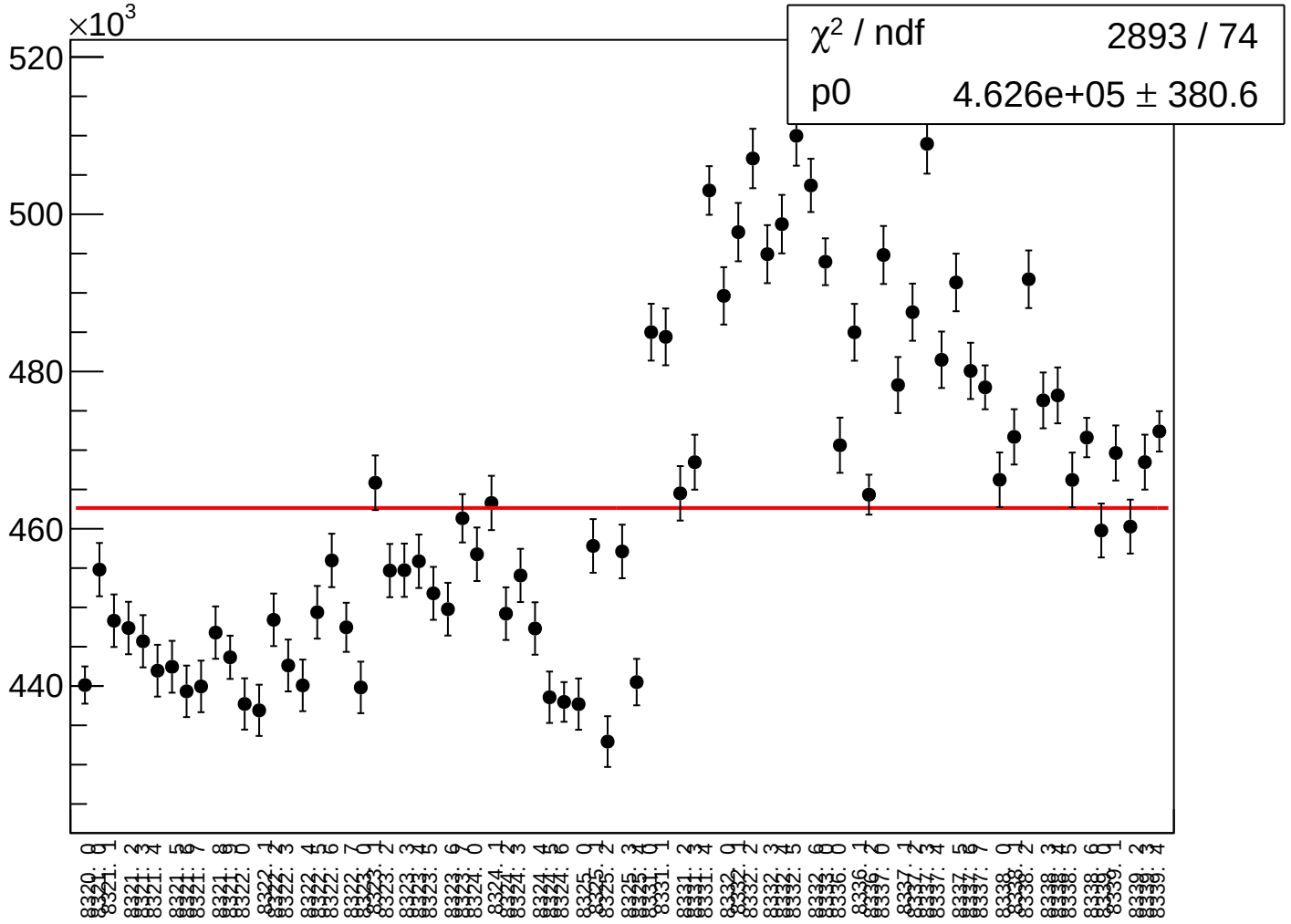

diff_cav4cX_rms vs run
×10^3
χ² / ndf 3153 / 74
p0 5.441e+05 ± 447.7
600
580
560
540
520
500

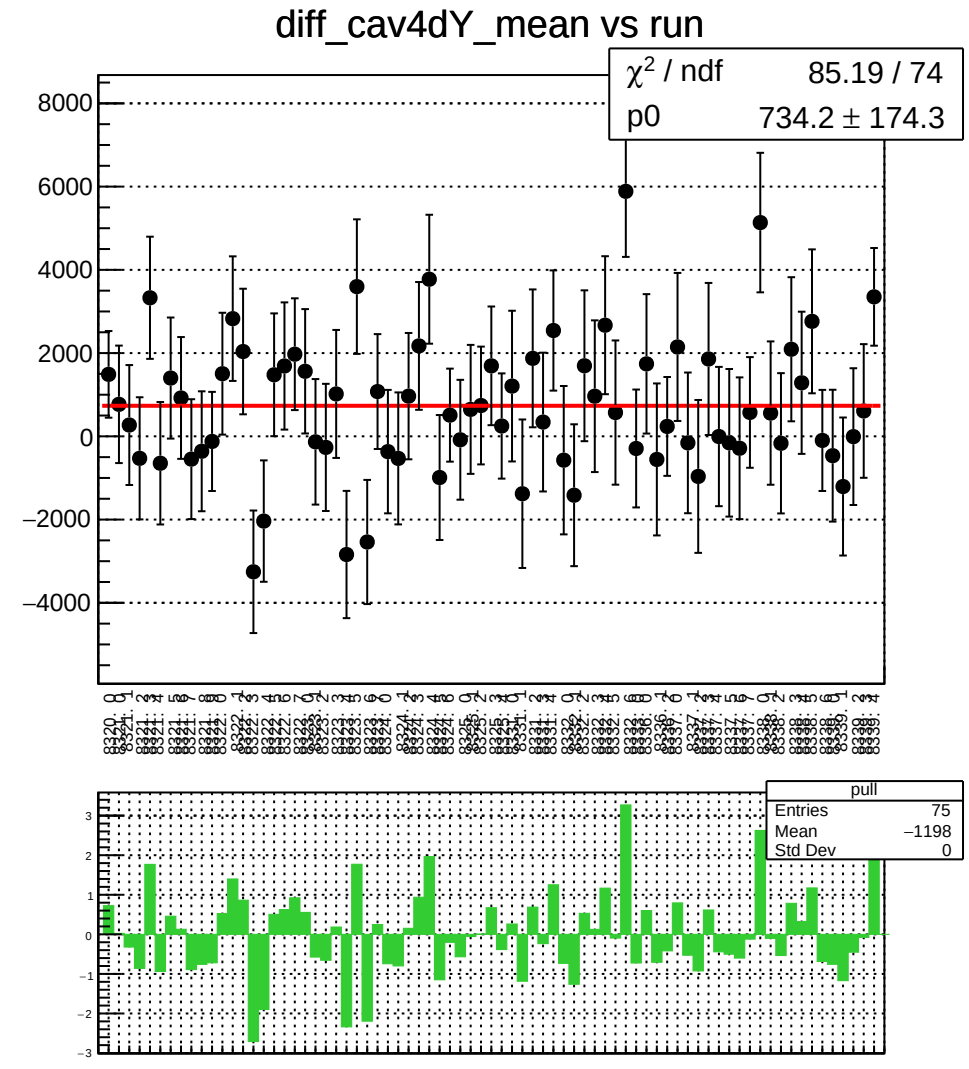

diff_cav4cY_mean vs run
χ^2 / ndf 87.17 / 74
p0 714.5 ± 180.1
pull
Entries 75
Mean −1405
Std Dev 0

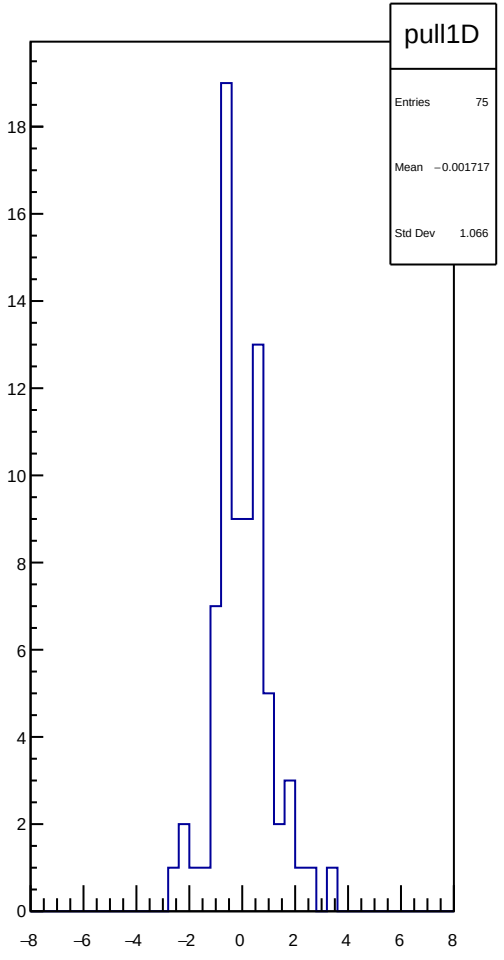

pull1D
Entries 75
Mean −0.00155
Std Dev 1.078

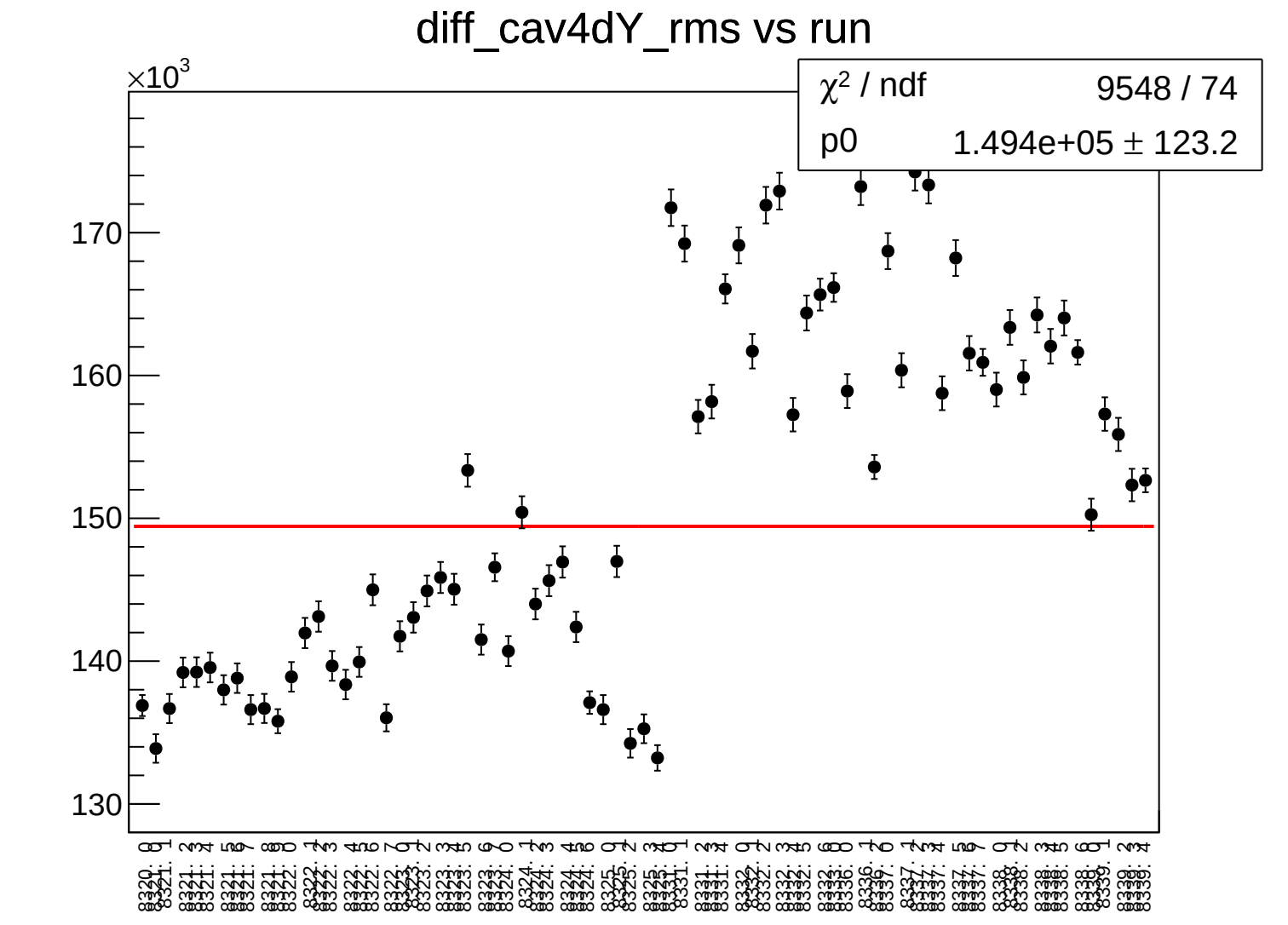

diff_cav4cY_rms vs run
×10^3
χ² / ndf 8605 / 74
p0 1.545e+05 ± 127.4
180
170
160
150
140

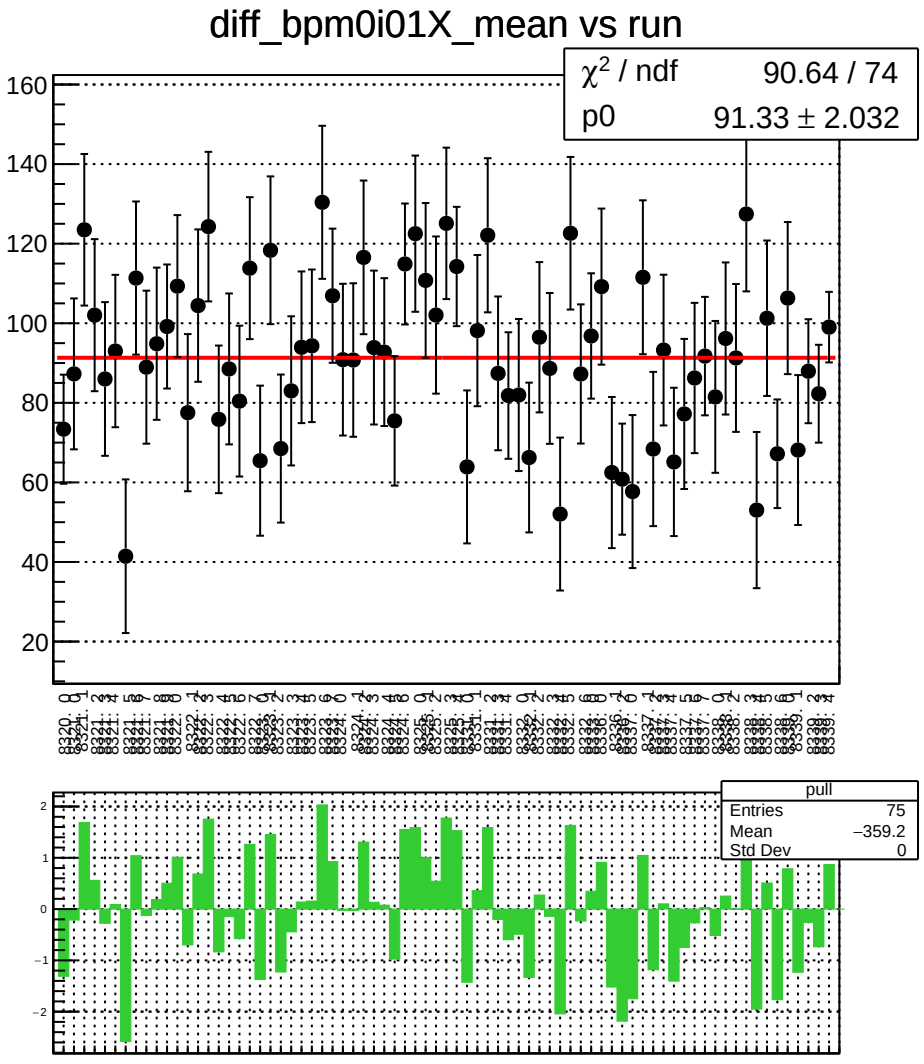

diff_cav4dX_mean vs run
χ² / ndf 81.17 / 74
p0 −1571 ± 538.3
pull
Entries 75
Mean −75.4
Std Dev 0
pull1D
Entries 75
Mean −0.007205
Std Dev 1.04

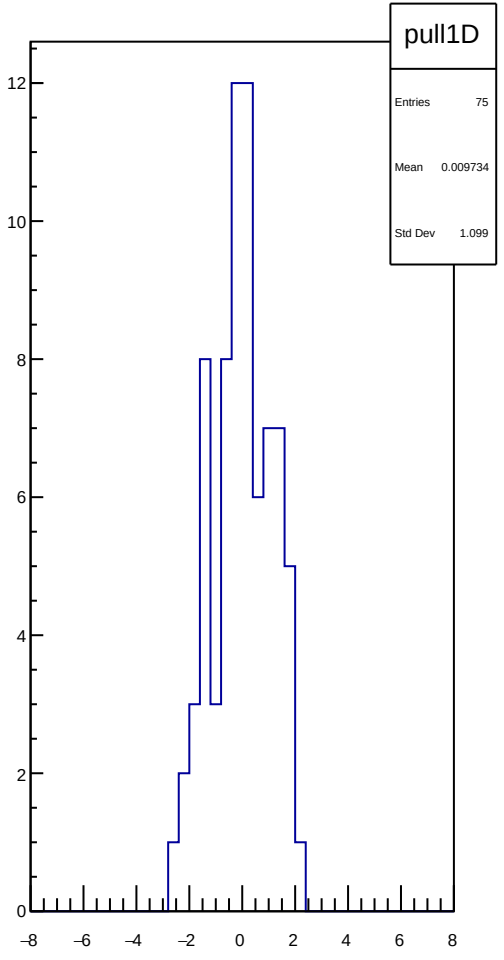

diff_cav4dX_rms vs run
×10^3
520
500
480
460
440
χ² / ndf 2893 / 74
p0 4.626e+05 ± 380.6

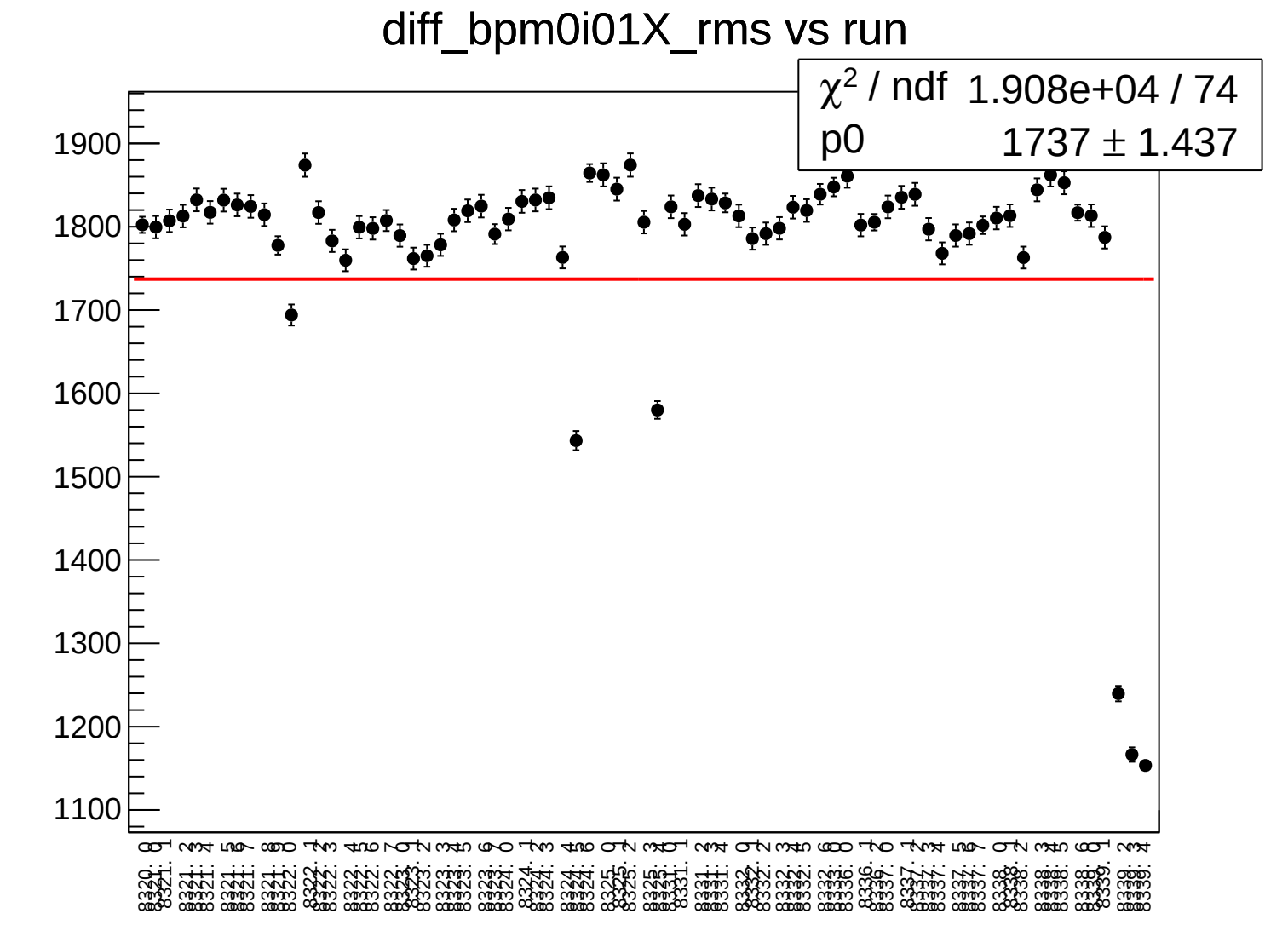

diff_cav4dY_mean vs run
χ² / ndf 85.19 / 74
p0 734.2 ± 174.3
pull
Entries 75
Mean −1198
Std Dev 0

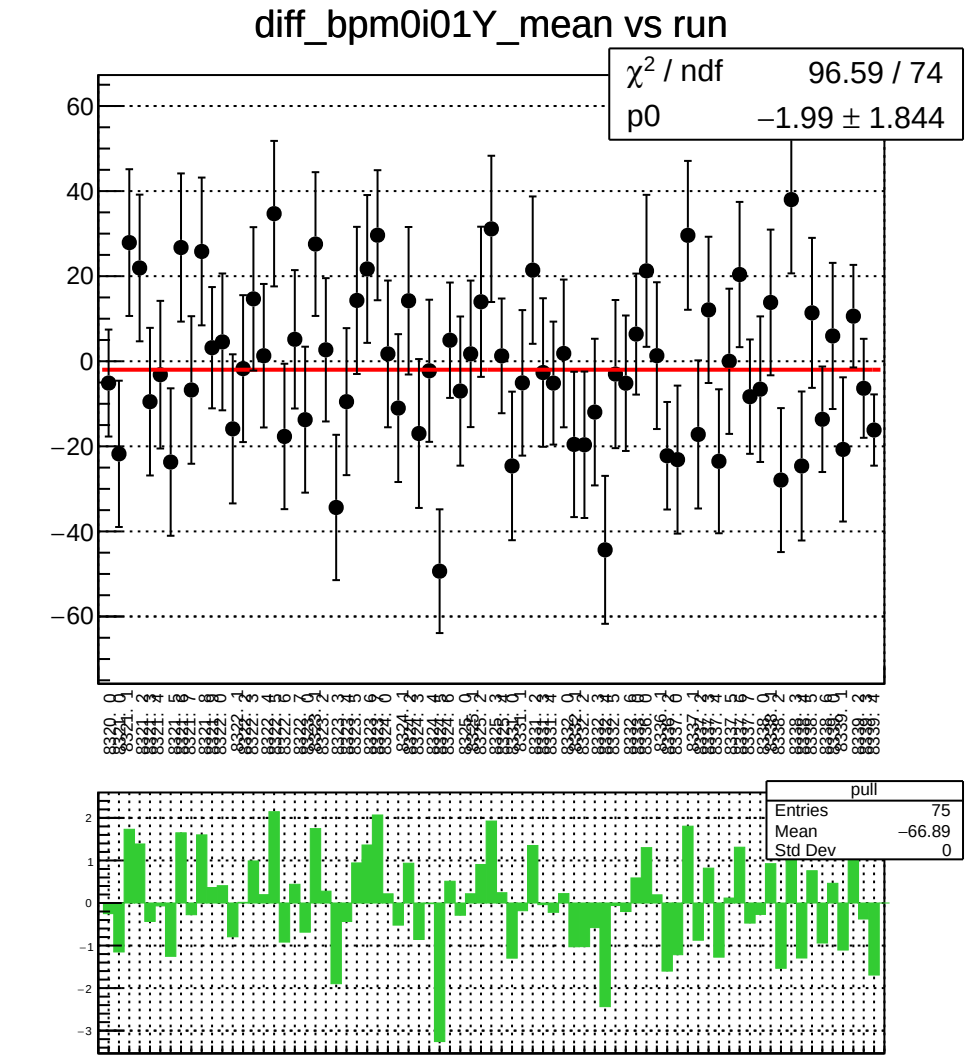

pull1D
Entries 75
Mean −0.001717
Std Dev 1.066

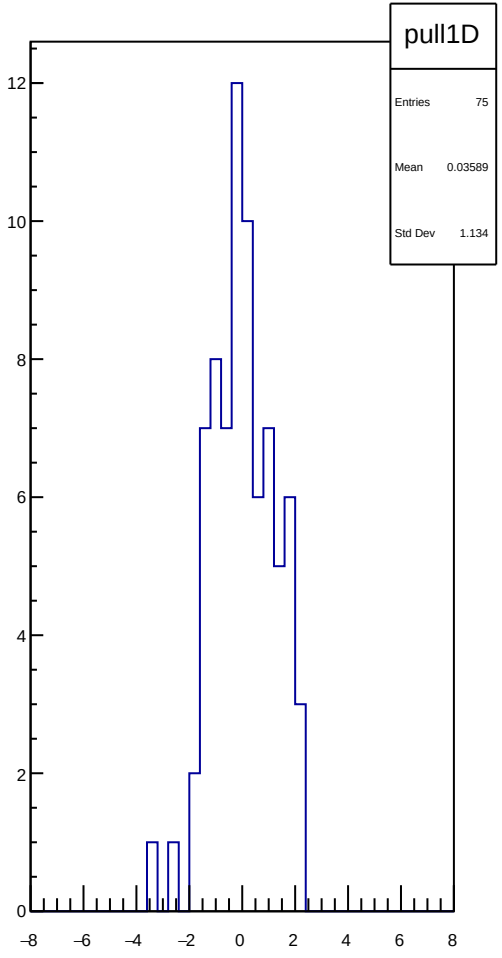

diff_cav4dY_rms vs run
×10^3
χ² / ndf 9548 / 74
p0 1.494e+05 ± 123.2
170
160
150
140
130

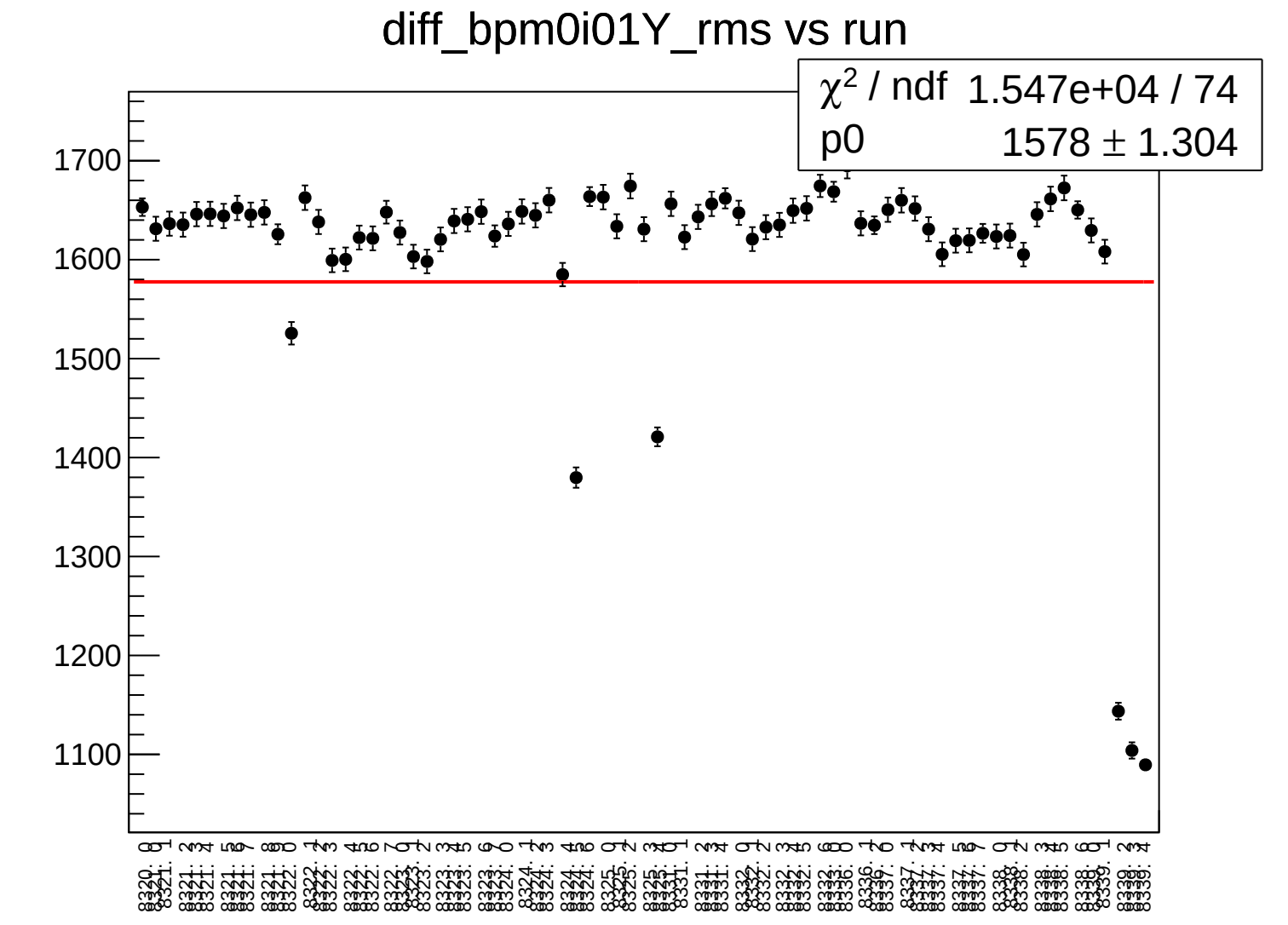

diff_bpm0i01X_mean vs run
χ² / ndf 90.64 / 74
p0 91.33 ± 2.032
pull
Entries 75
Mean −359.2
Std Dev 0

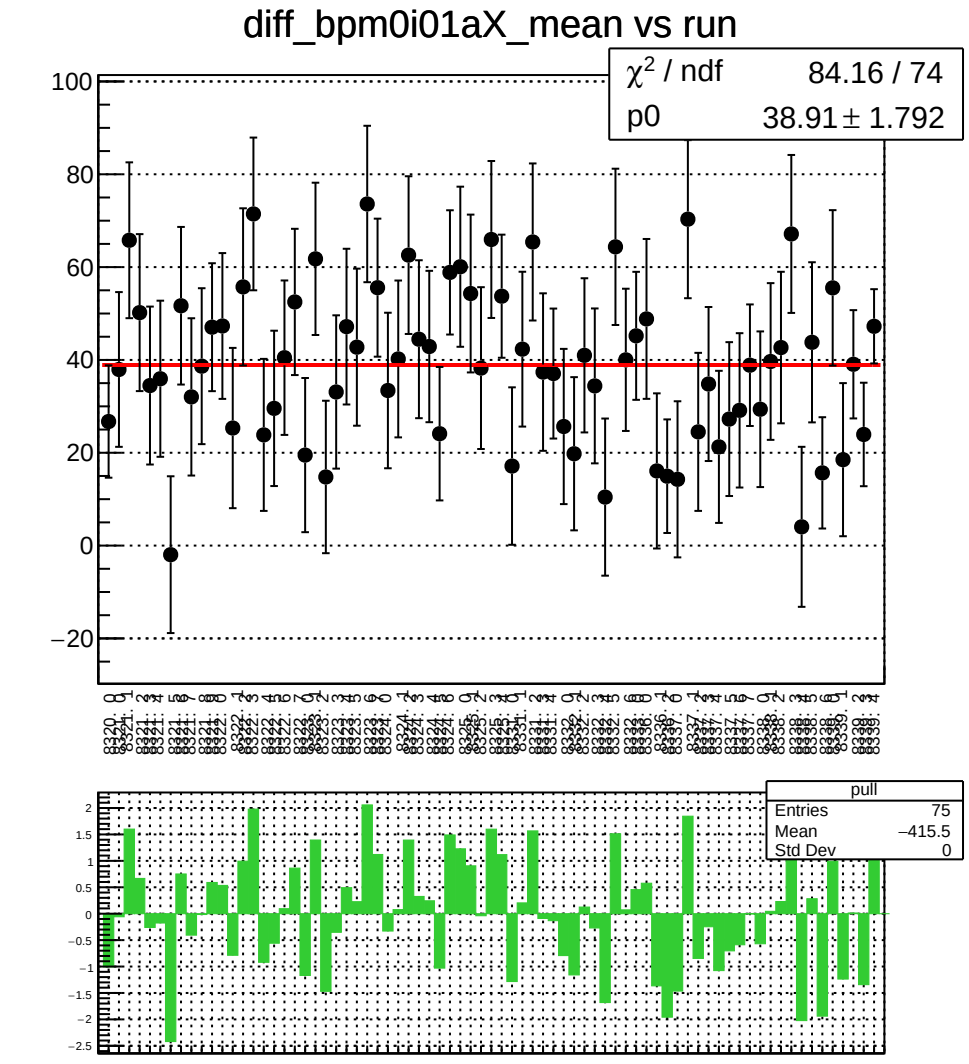

pull1D
Entries 75
Mean 0.009734
Std Dev 1.099

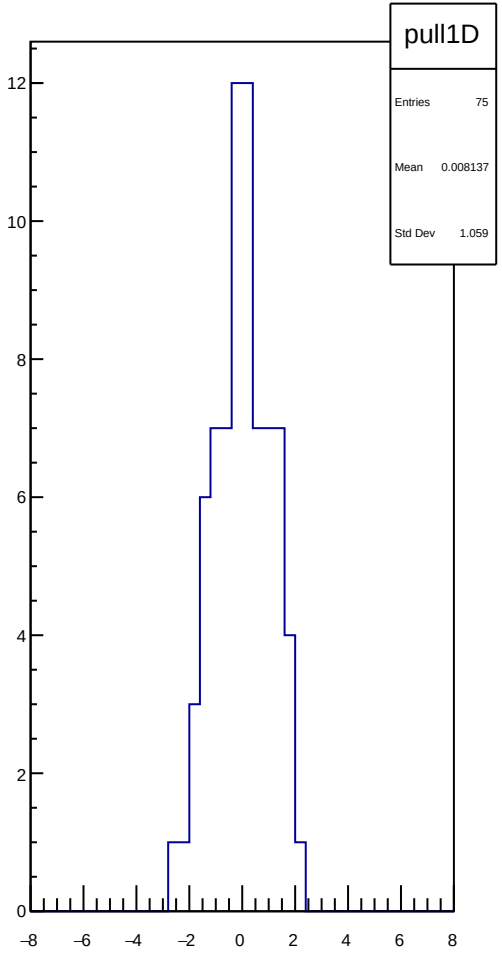

diff_bpm0i01X_rms vs run
χ² / ndf 1.908e+04 / 74
p0 1737 ± 1.437
1900
1800
1700
1600
1500
1400
1300
1200
1100

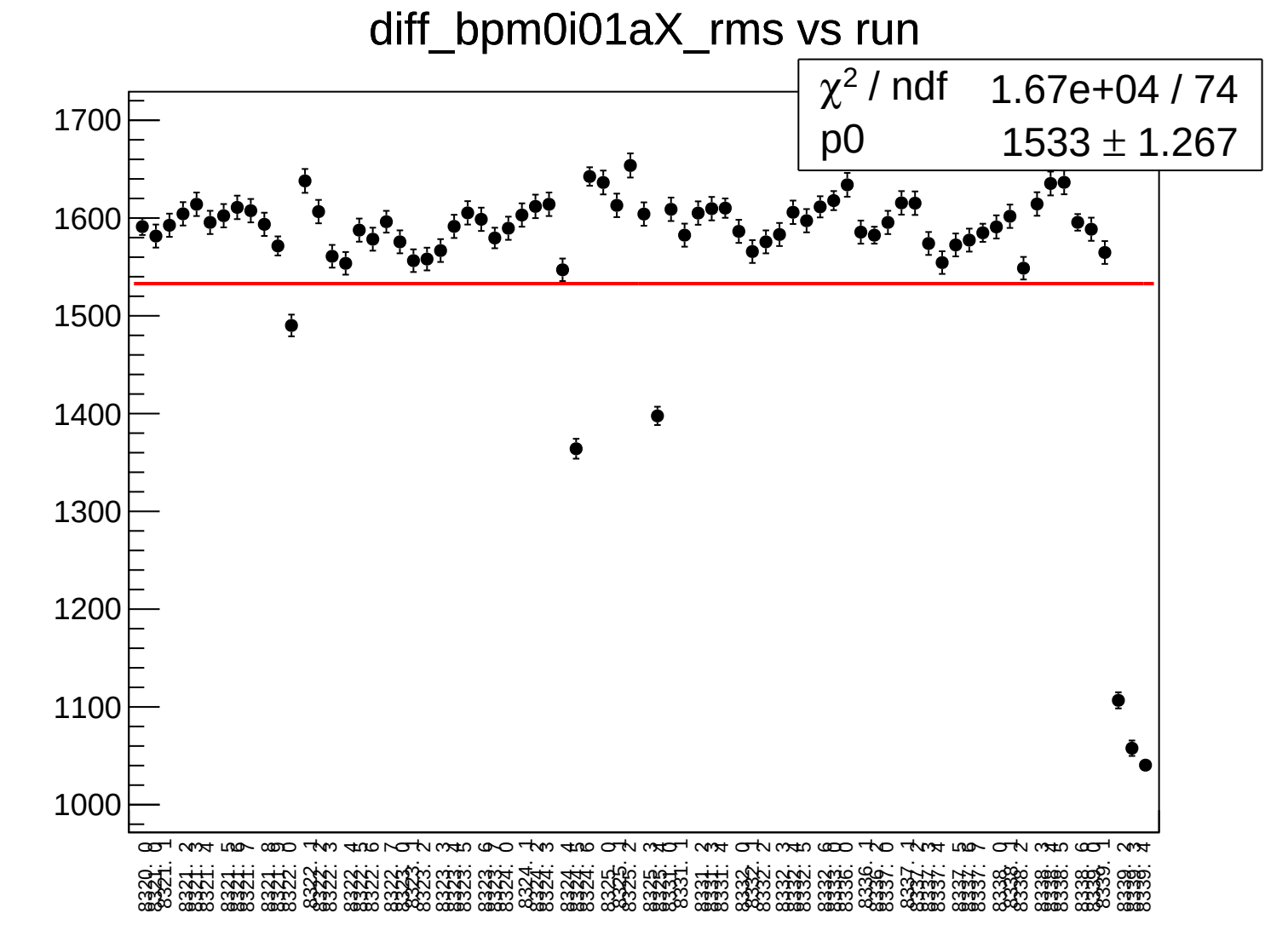

diff_bpm0i01Y_mean vs run
χ² / ndf 96.59 / 74
p0 −1.99 ± 1.844
pull
Entries 75
Mean −66.89
Std Dev 0

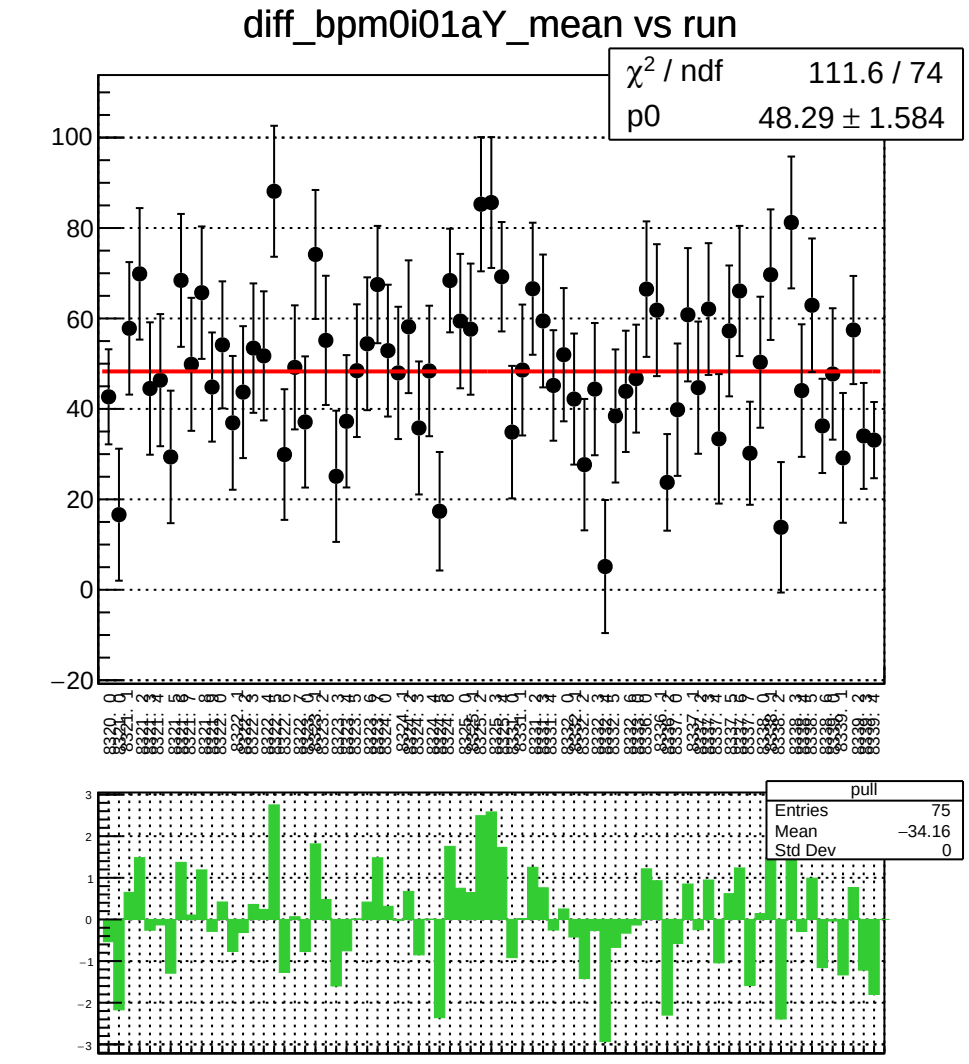

pull1D
Entries 75
Mean 0.03589
Std Dev 1.134

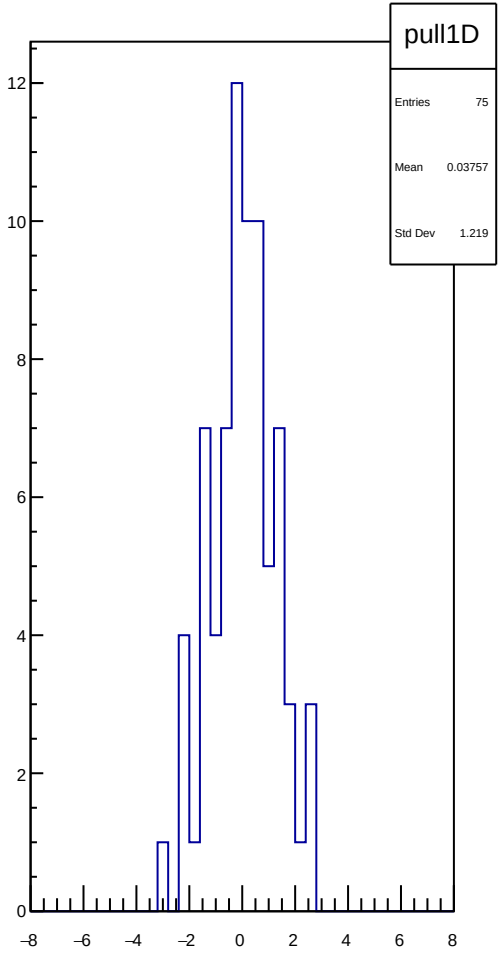

diff_bpm0i01Y_rms vs run
χ² / ndf 1.547e+04 / 74
p0 1578 ± 1.304
1700
1600
1500
1400
1300
1200
1100

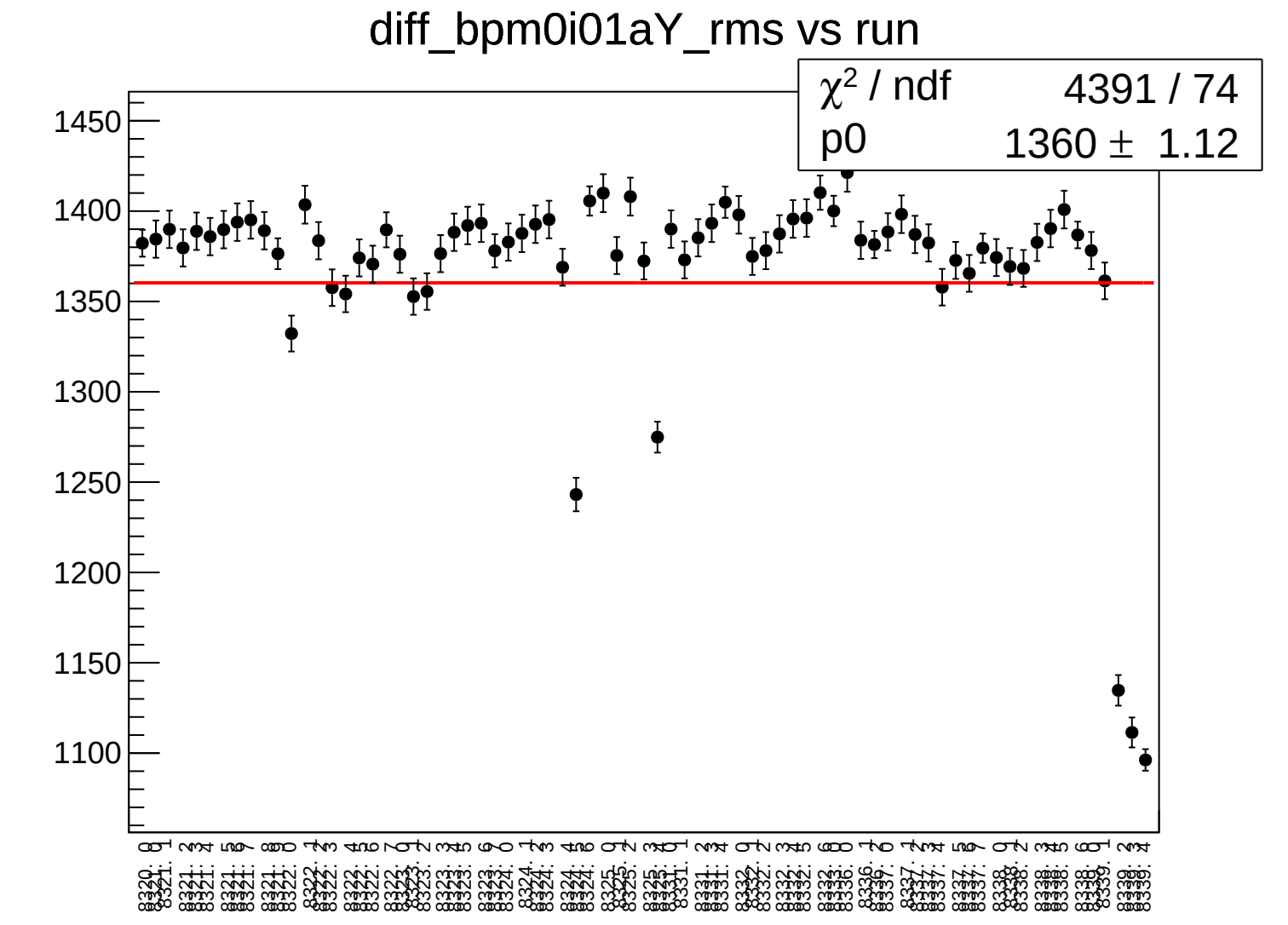

diff_bpm0i01aX_mean vs run
χ^2 / ndf 84.16 / 74
p0 38.91 ± 1.792
pull
Entries 75
Mean −415.5
Std Dev 0

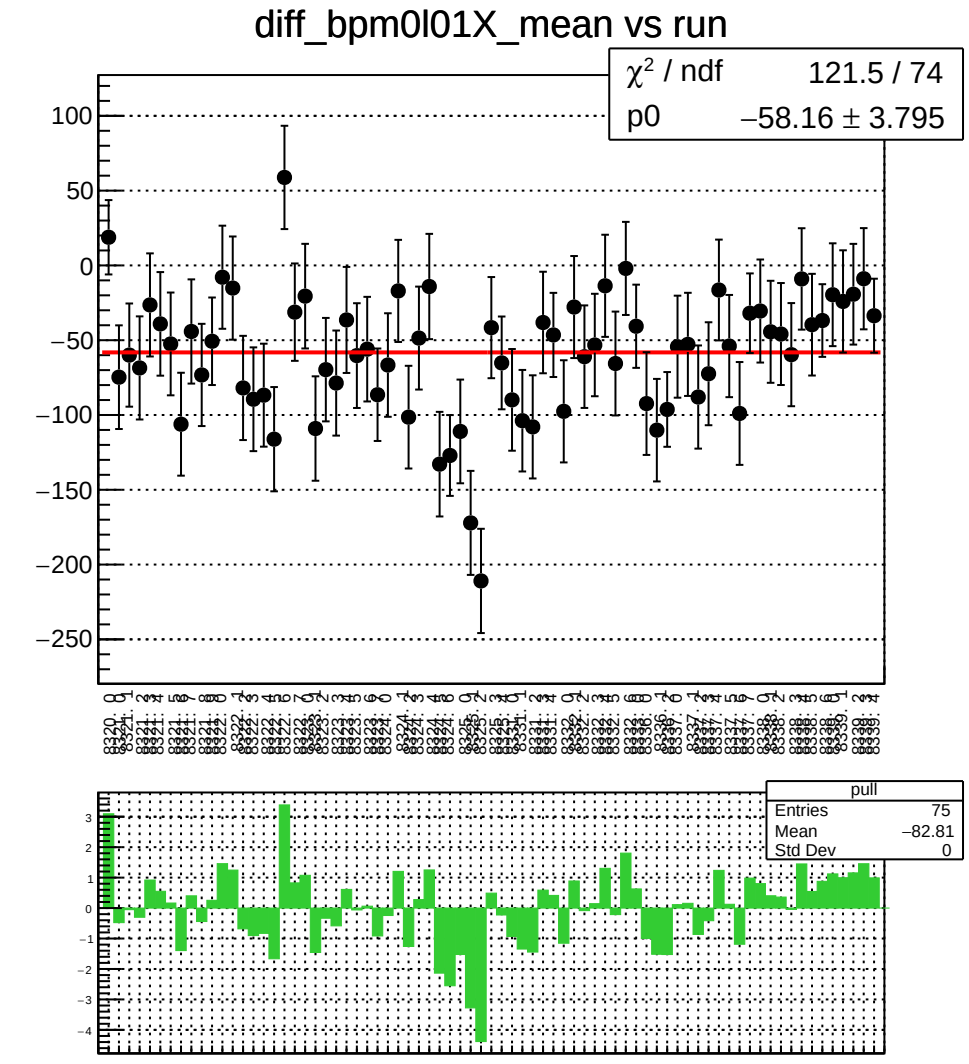

pull1D
Entries 75
Mean 0.008137
Std Dev 1.059

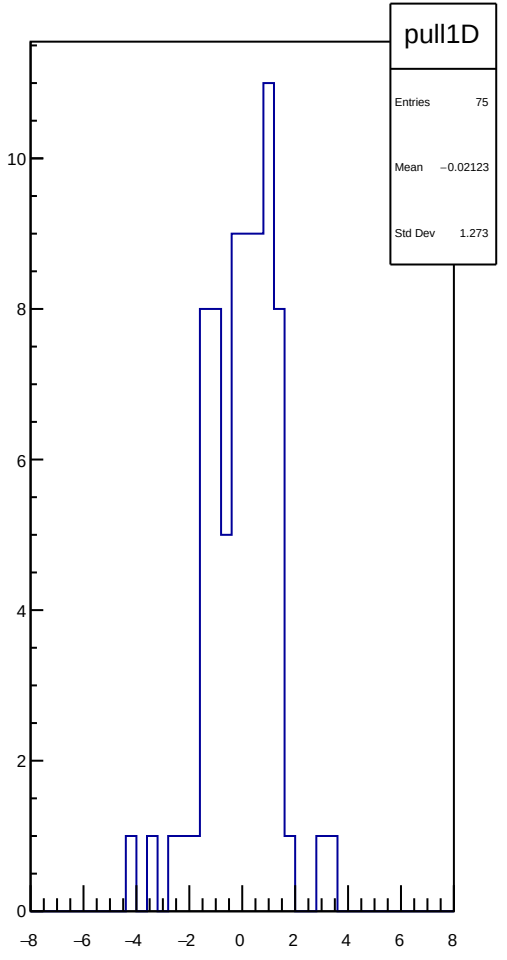

diff_bpm0i01aX_rms vs run
χ² / ndf 1.67e+04 / 74
p0 1533 ± 1.267
1700
1600
1500
1400
1300
1200
1100
1000

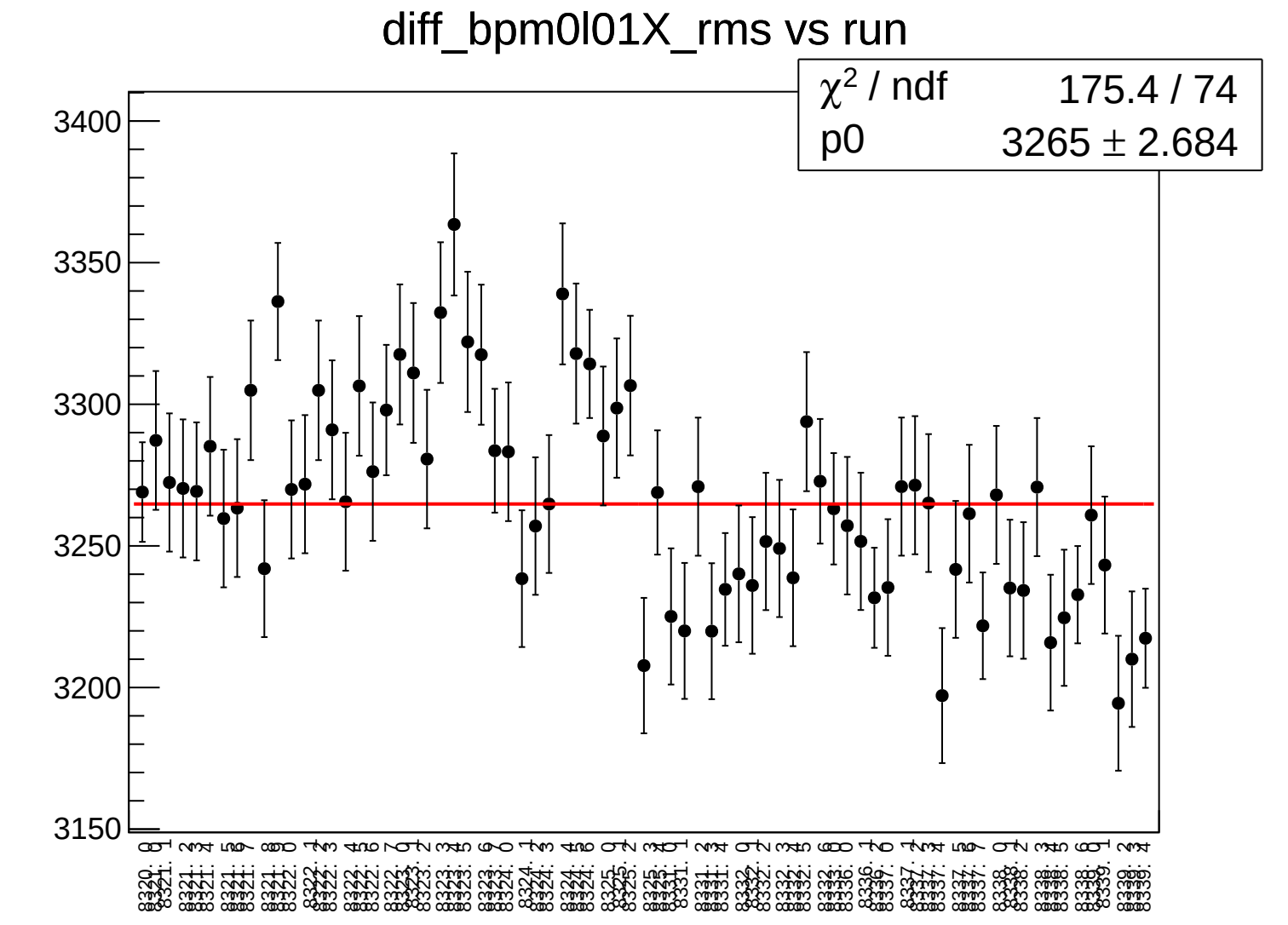

diff_bpm0i01aY_mean vs run
χ^2 / ndf 111.6 / 74
p0 48.29 ± 1.584
pull
Entries 75
Mean −34.16
Std Dev 0

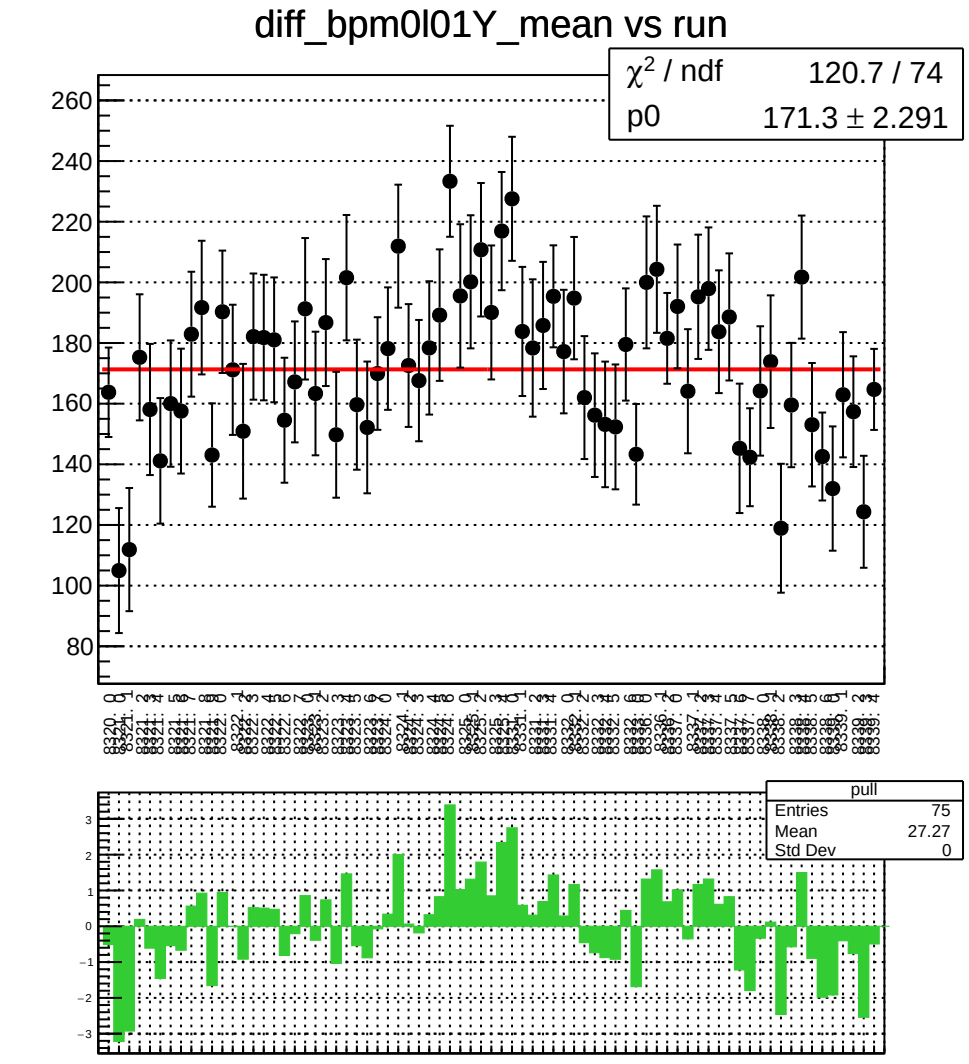

pull1D
Entries 75
Mean 0.03757
Std Dev 1.219

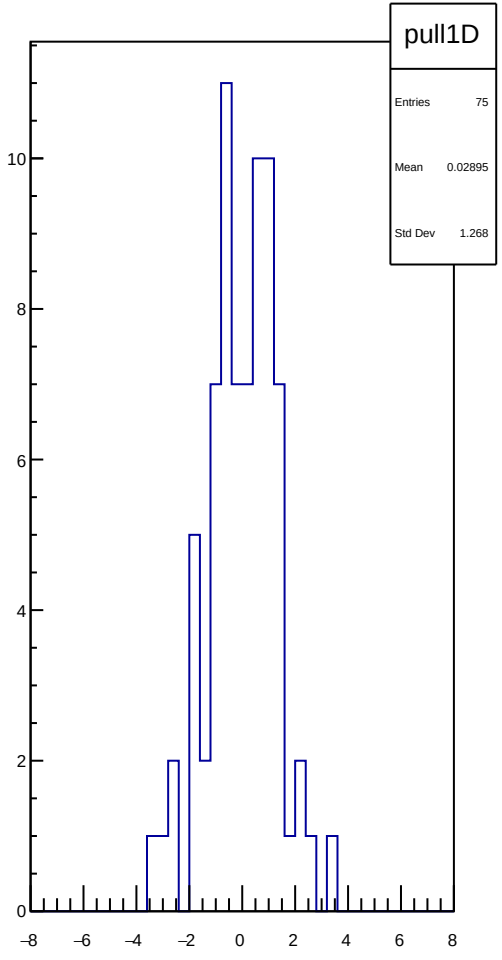

diff_bpm0i01aY_rms vs run
χ² / ndf 4391 / 74
p0 1360 ± 1.12
1450
1400
1350
1300
1250
1200
1150
1100

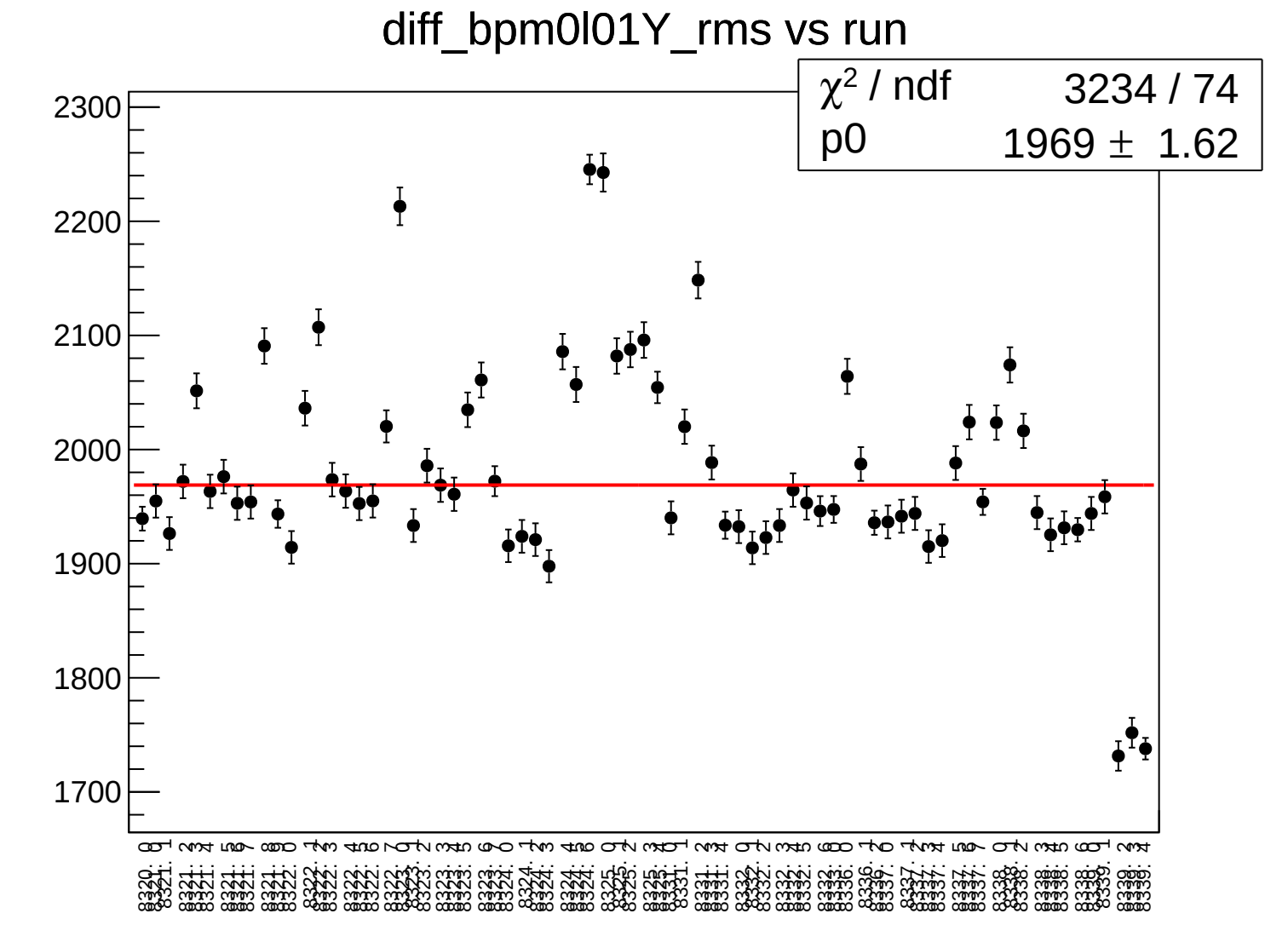

diff_bpm0l01X_mean vs run
χ² / ndf 121.5 / 74
p0 −58.16 ± 3.795
pull
Entries 75
Mean −82.81
Std Dev 0

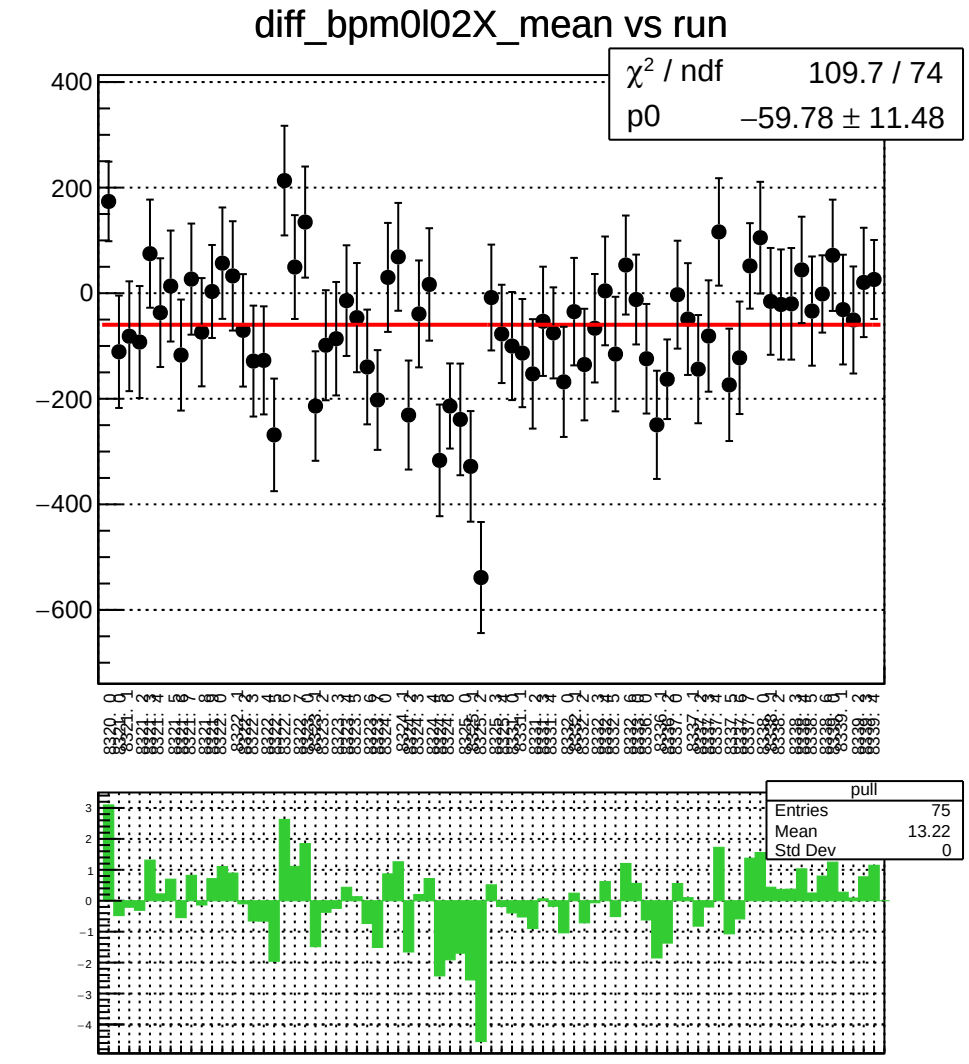

pull1D
Entries 75
Mean −0.02123
Std Dev 1.273

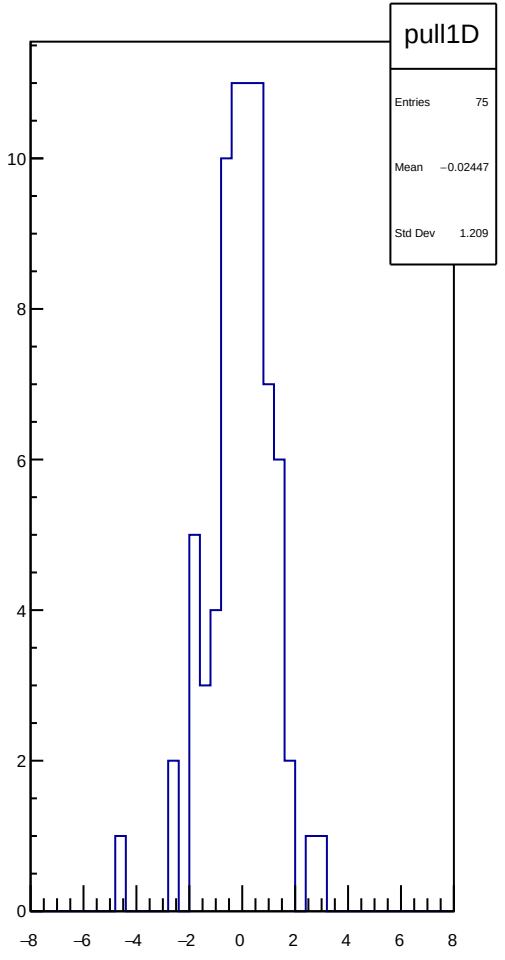

diff_bpm0l01X_rms vs run
χ² / ndf 175.4 / 74
p0 3265 ± 2.684
3400
3350
3300
3250
3200
3150

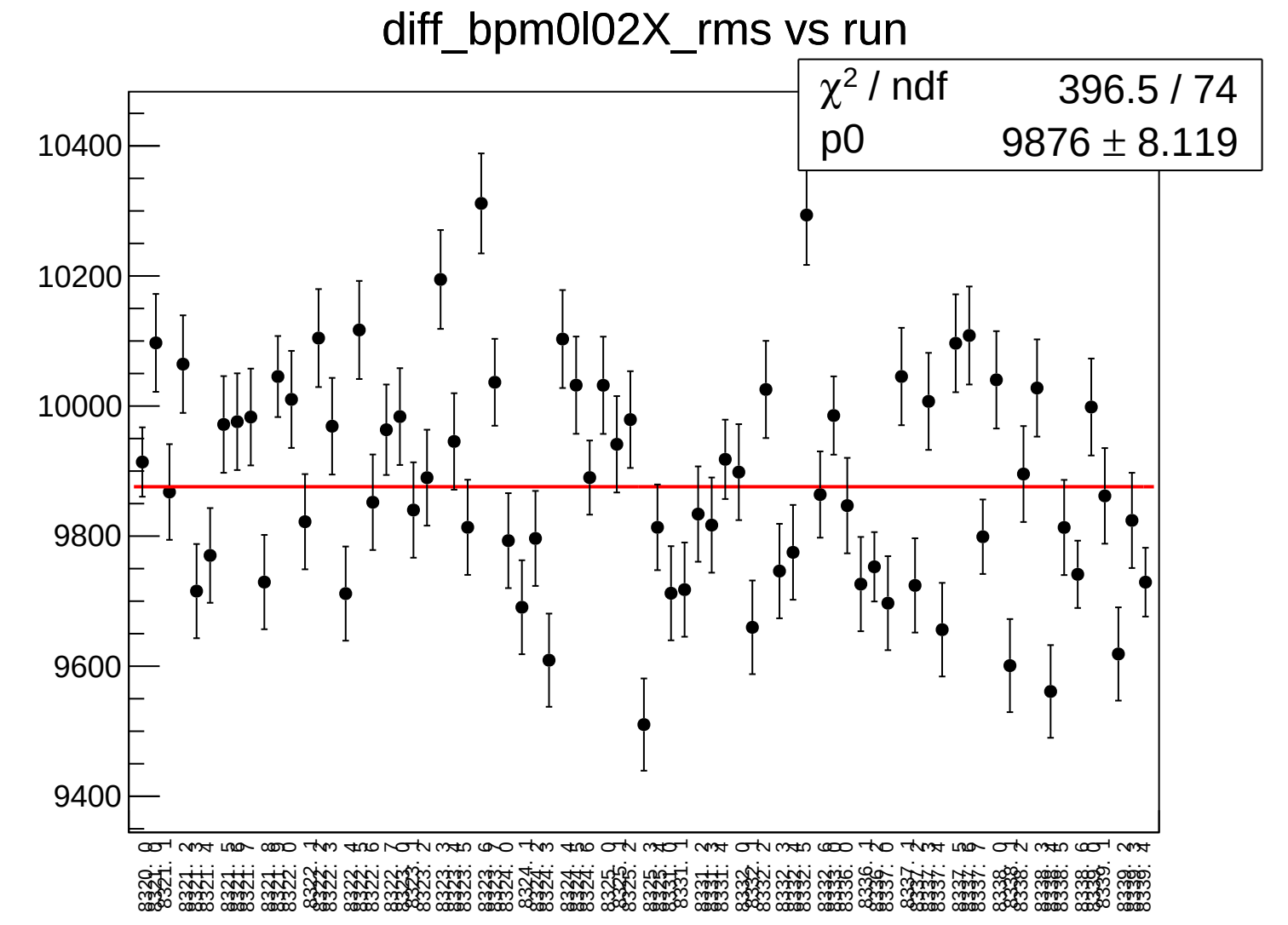

diff_bpm0l01Y_mean vs run
χ^2 / ndf 120.7 / 74
p0 171.3 ± 2.291
pull
Entries 75
Mean 27.27
Std Dev 0

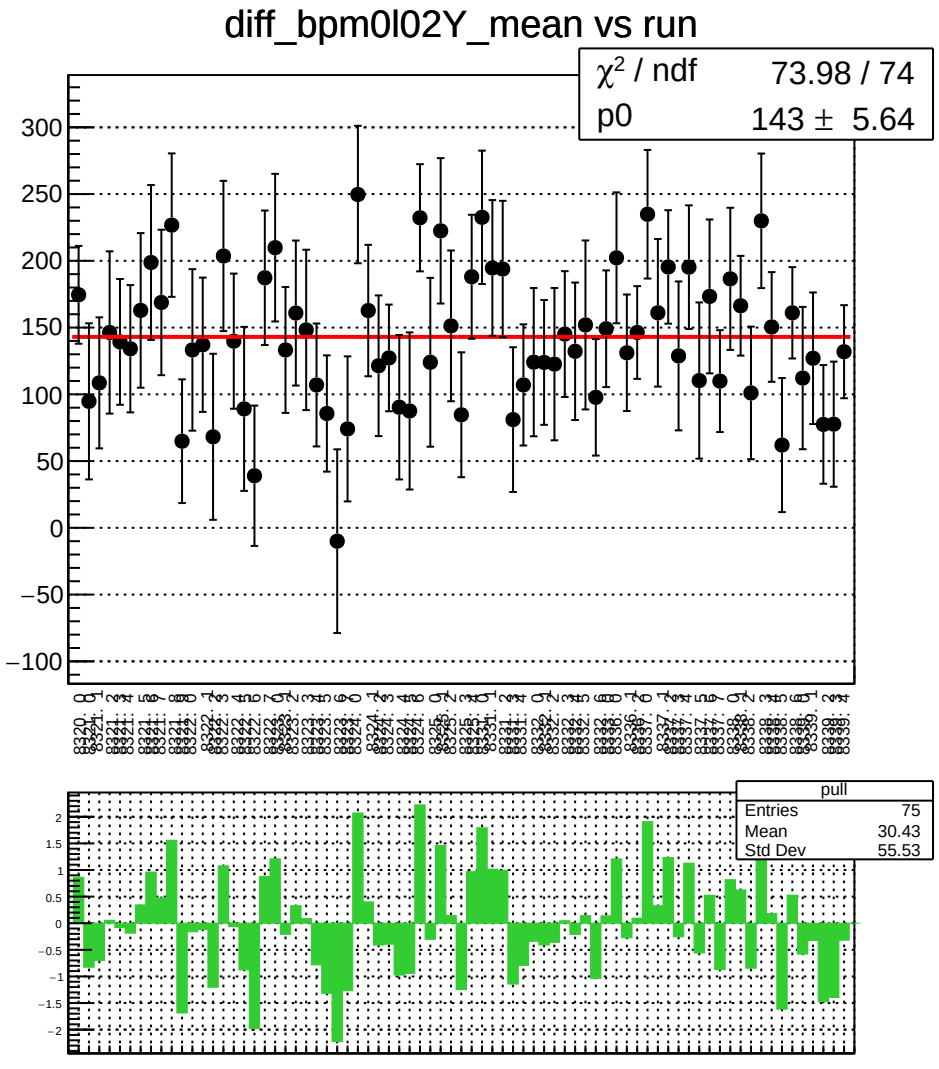

pull1D
Entries 75
Mean 0.02895
Std Dev 1.268

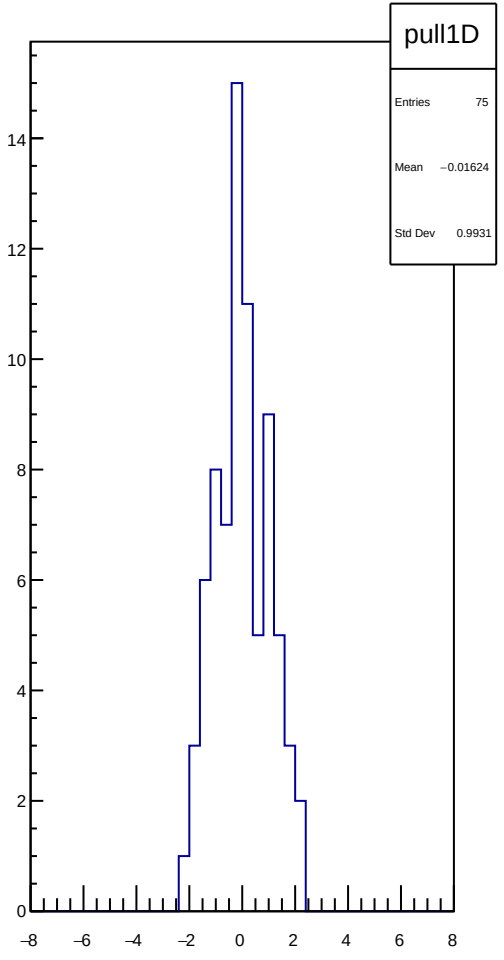

diff_bpm0l01Y_rms vs run
χ² / ndf 3234 / 74
p0 1969 ± 1.62
2300
2200
2100
2000
1900
1800
1700

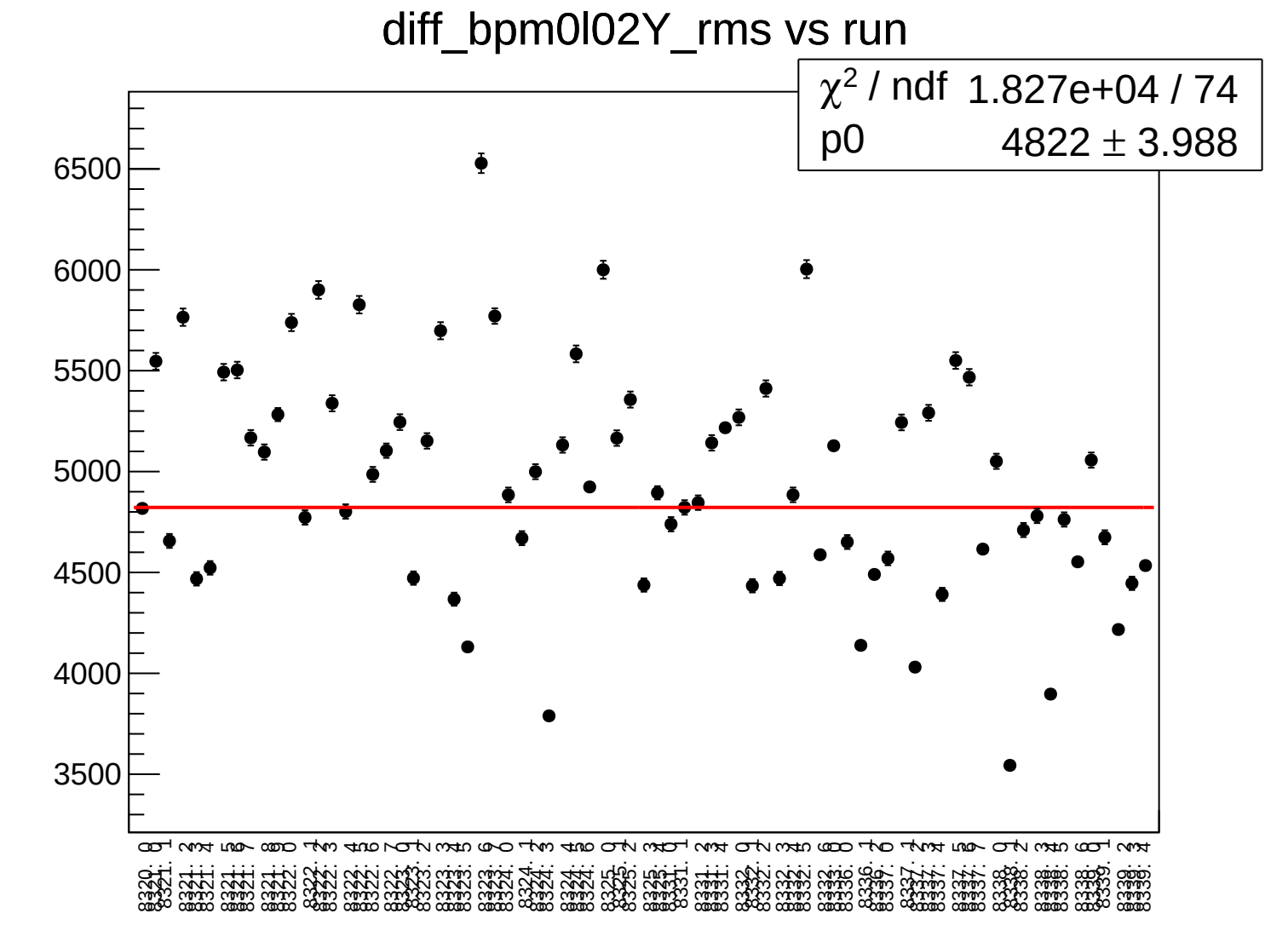

diff_bpm0l02X_mean vs run
χ² / ndf 109.7 / 74
p0 −59.78 ± 11.48
pull
Entries 75
Mean 13.22
Std Dev 0

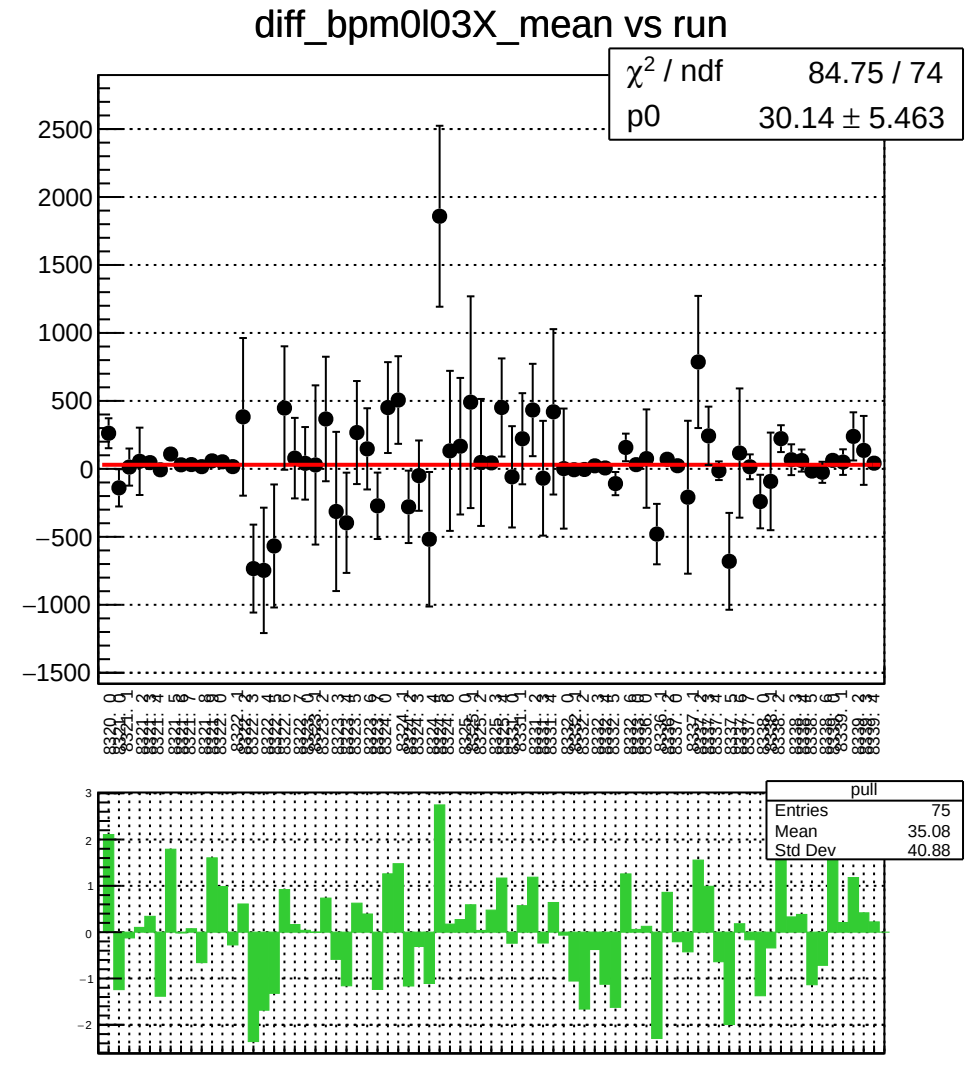

pull1D
Entries 75
Mean −0.02447
Std Dev 1.209

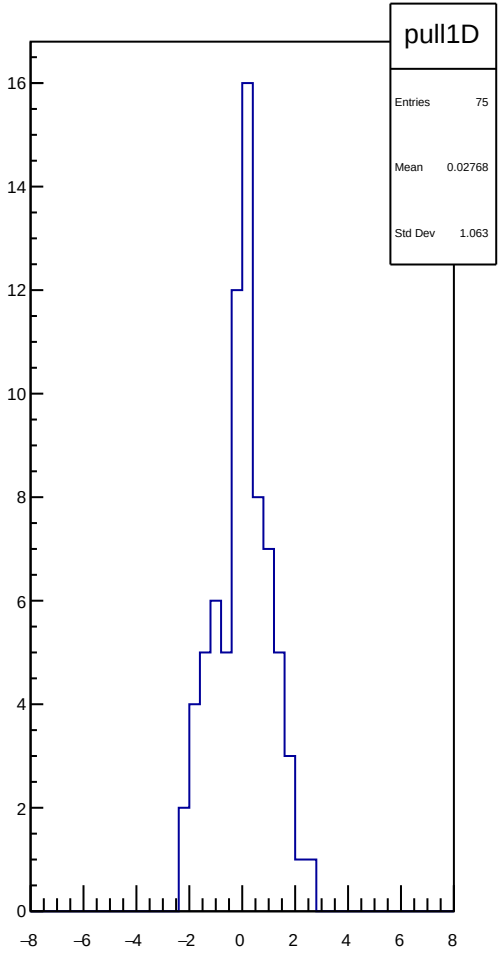

diff_bpm0l02X_rms vs run
χ² / ndf 396.5 / 74
p0 9876 ± 8.119
10400
10200
10000
9800
9600
9400

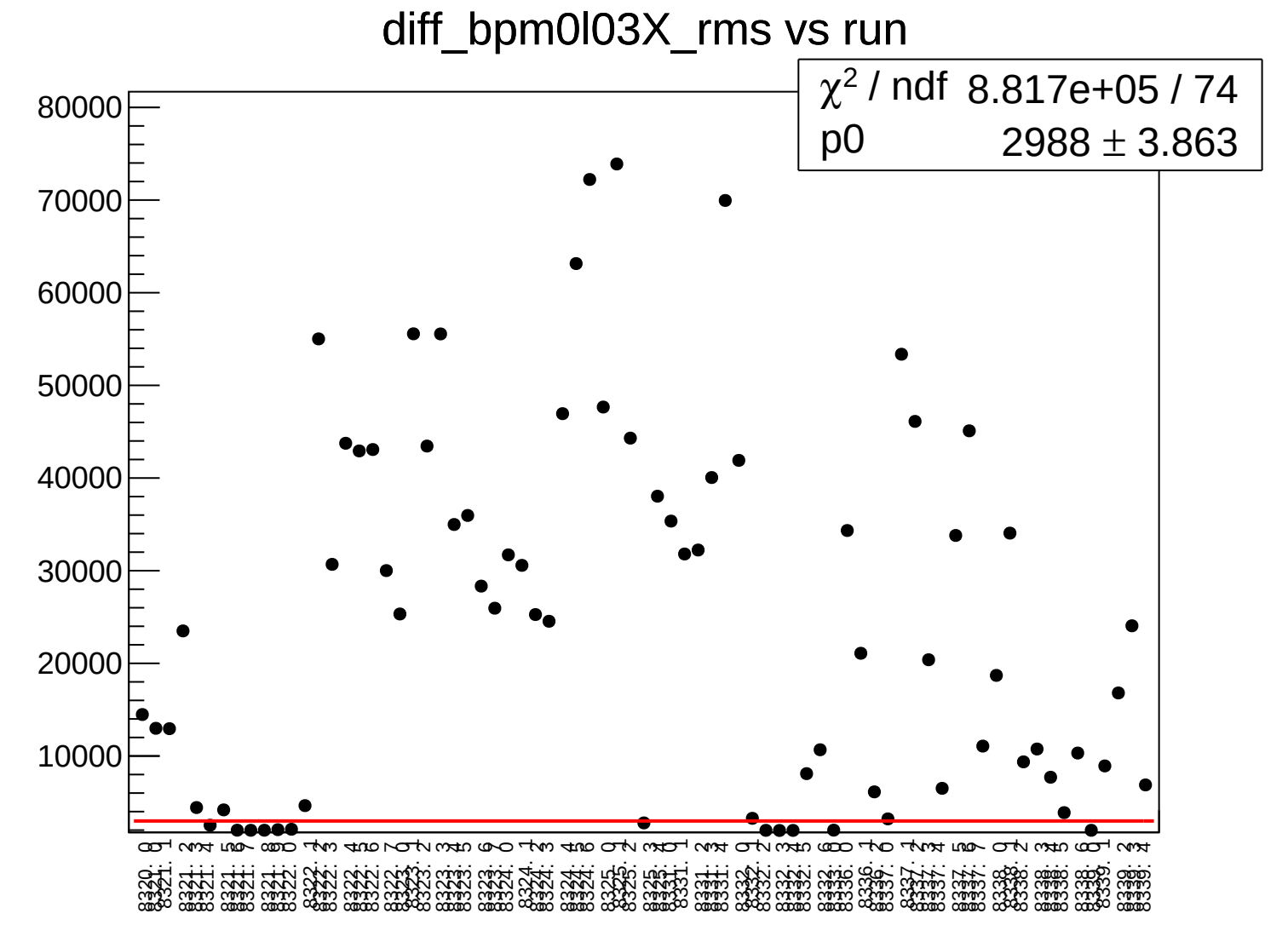

diff_bpm0l02Y_mean vs run
χ² / ndf 73.98 / 74
p0 143 ± 5.64
pull
Entries 75
Mean 30.43
Std Dev 55.53

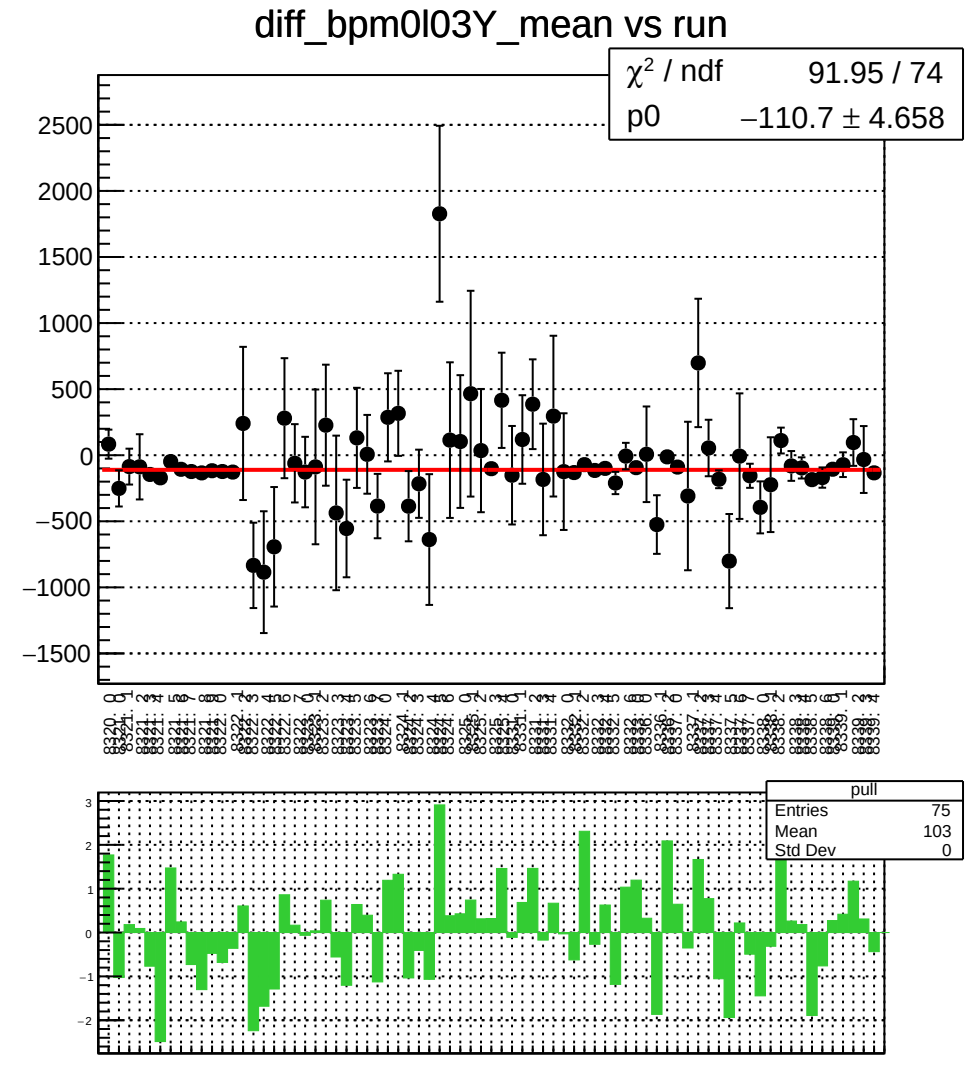

pull1D
Entries 75
Mean −0.01624
Std Dev 0.9931

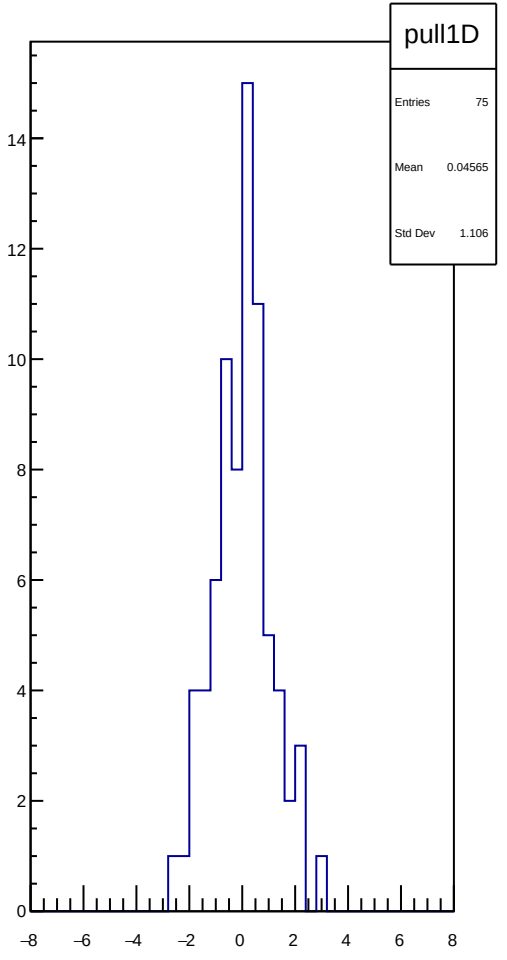

diff_bpm0l02Y_rms vs run
χ² / ndf 1.827e+04 / 74
p0 4822 ± 3.988
6500
6000
5500
5000
4500
4000
3500

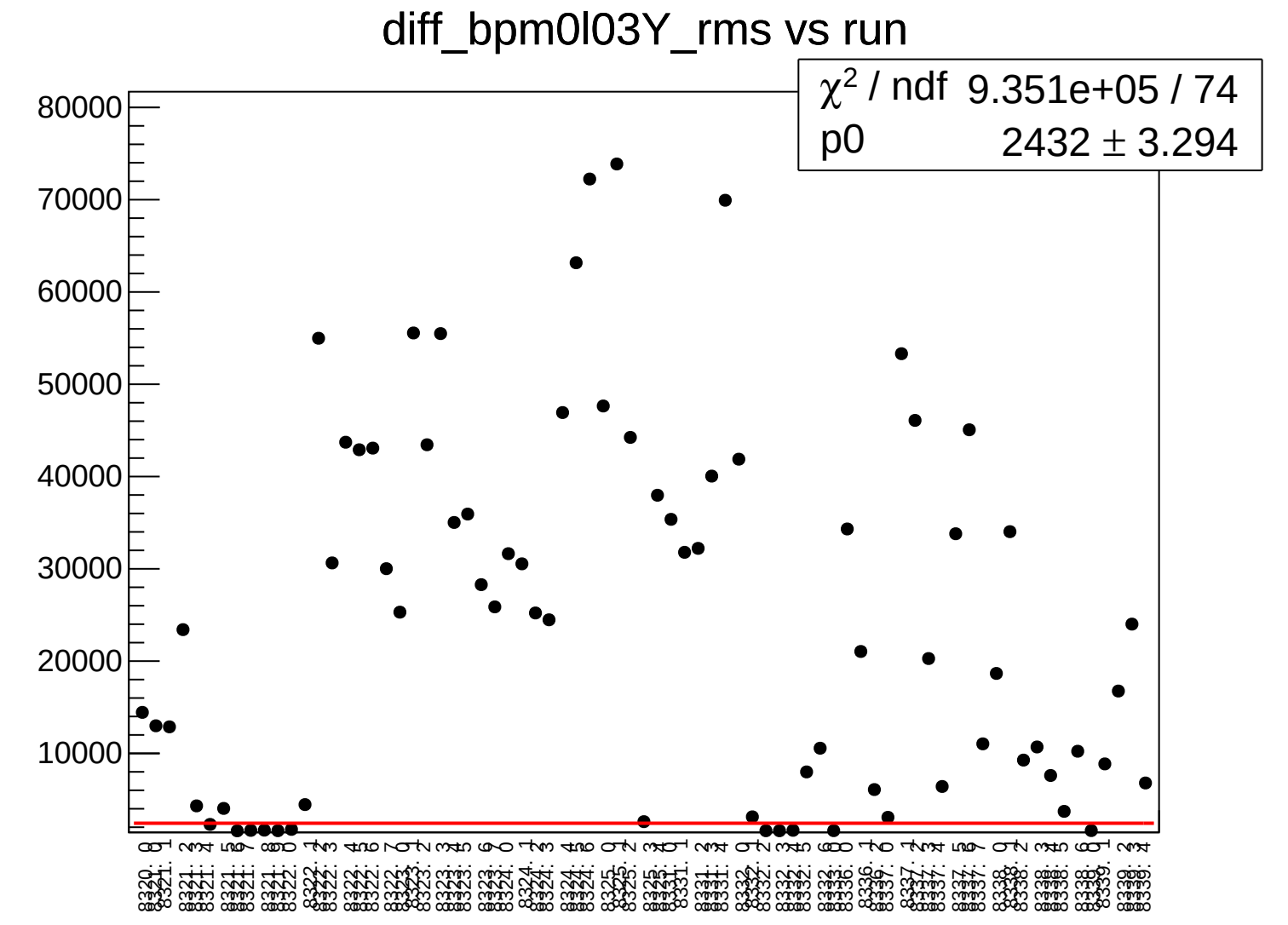

diff_bpm0l03X_mean vs run
χ² / ndf 84.75 / 74
p0 30.14 ± 5.463
pull
Entries 75
Mean 35.08
Std Dev 40.88

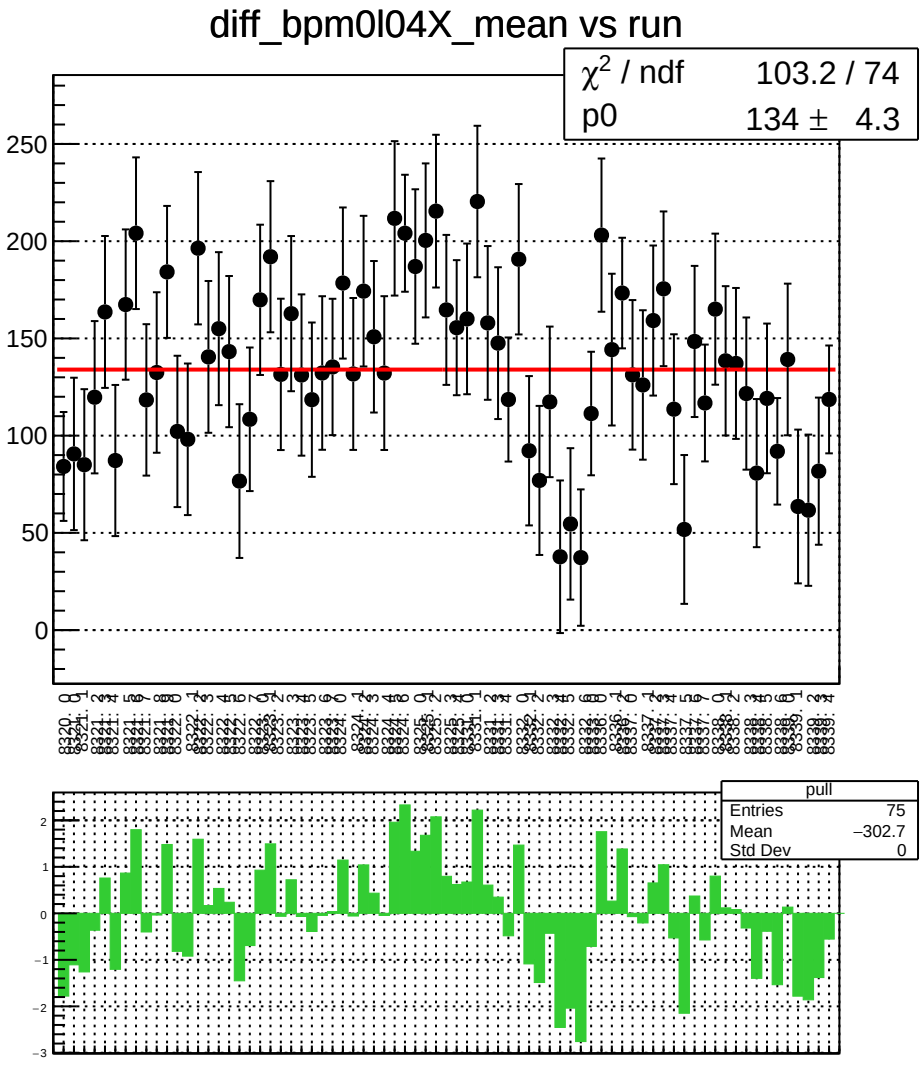

pull1D
Entries 75
Mean 0.02768
Std Dev 1.063

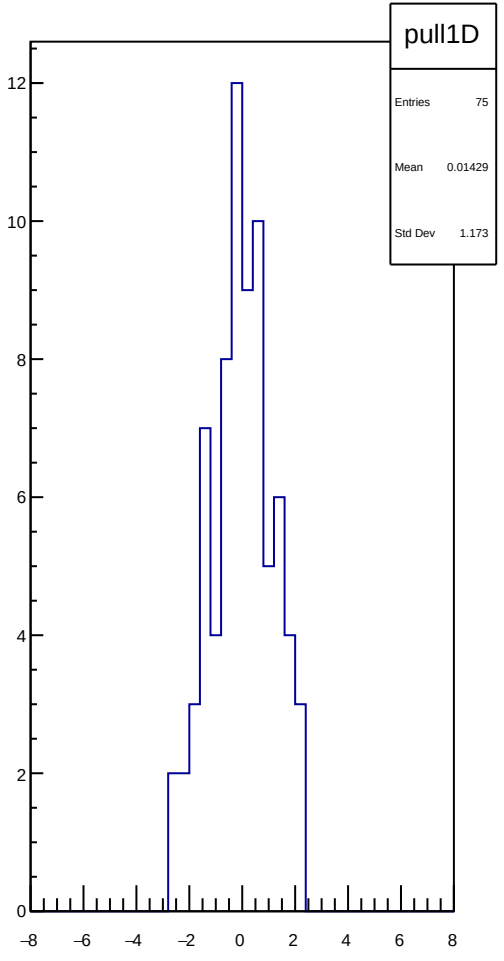

diff_bpm0l03X_rms vs run
χ² / ndf 8.817e+05 / 74
p0 2988 ± 3.863
80000
70000
60000
50000
40000
30000
20000
10000

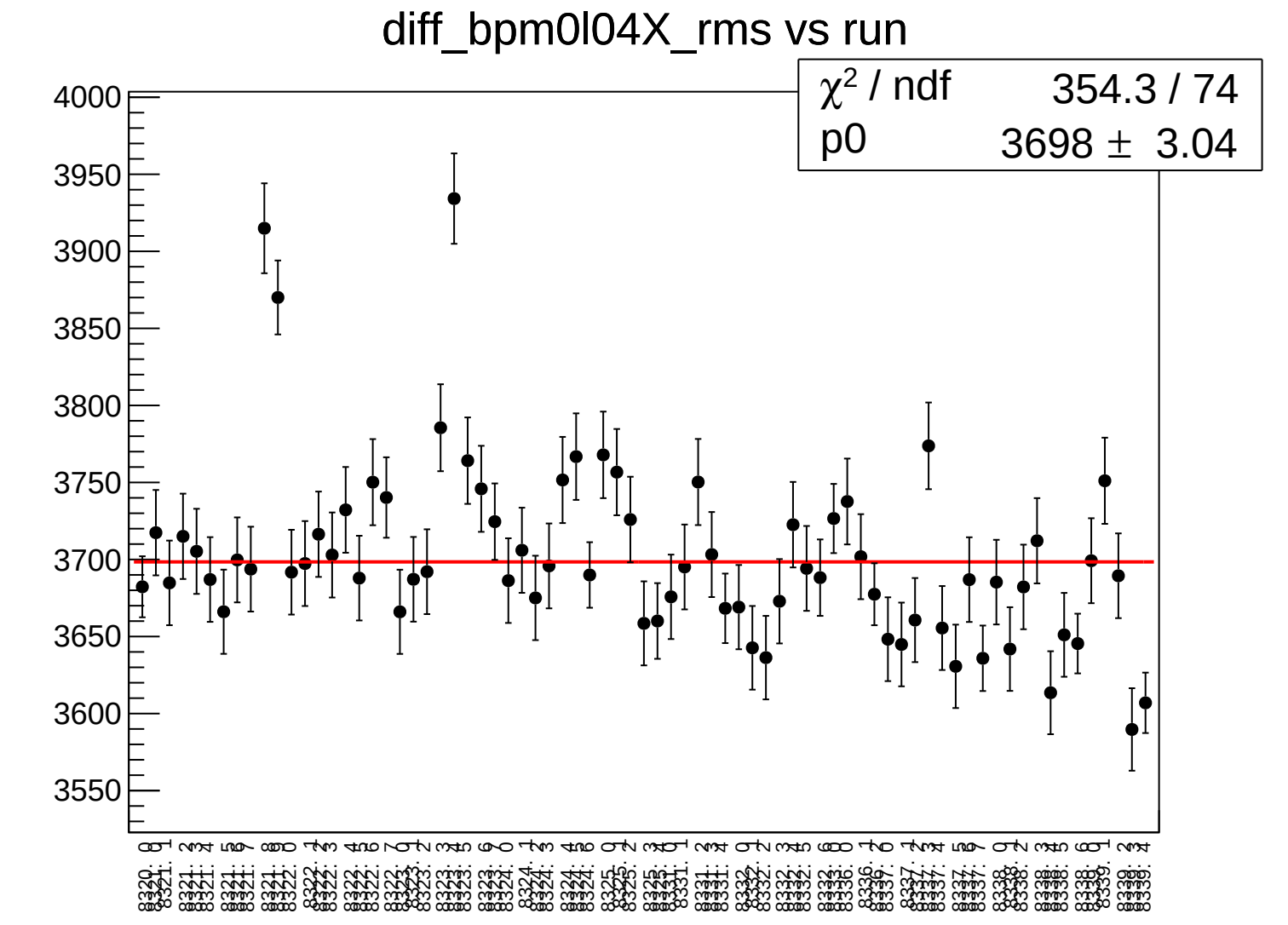

diff_bpm0l03Y_mean vs run
χ² / ndf 91.95 / 74
p0 −110.7 ± 4.658
pull
Entries 75
Mean 103
Std Dev 0

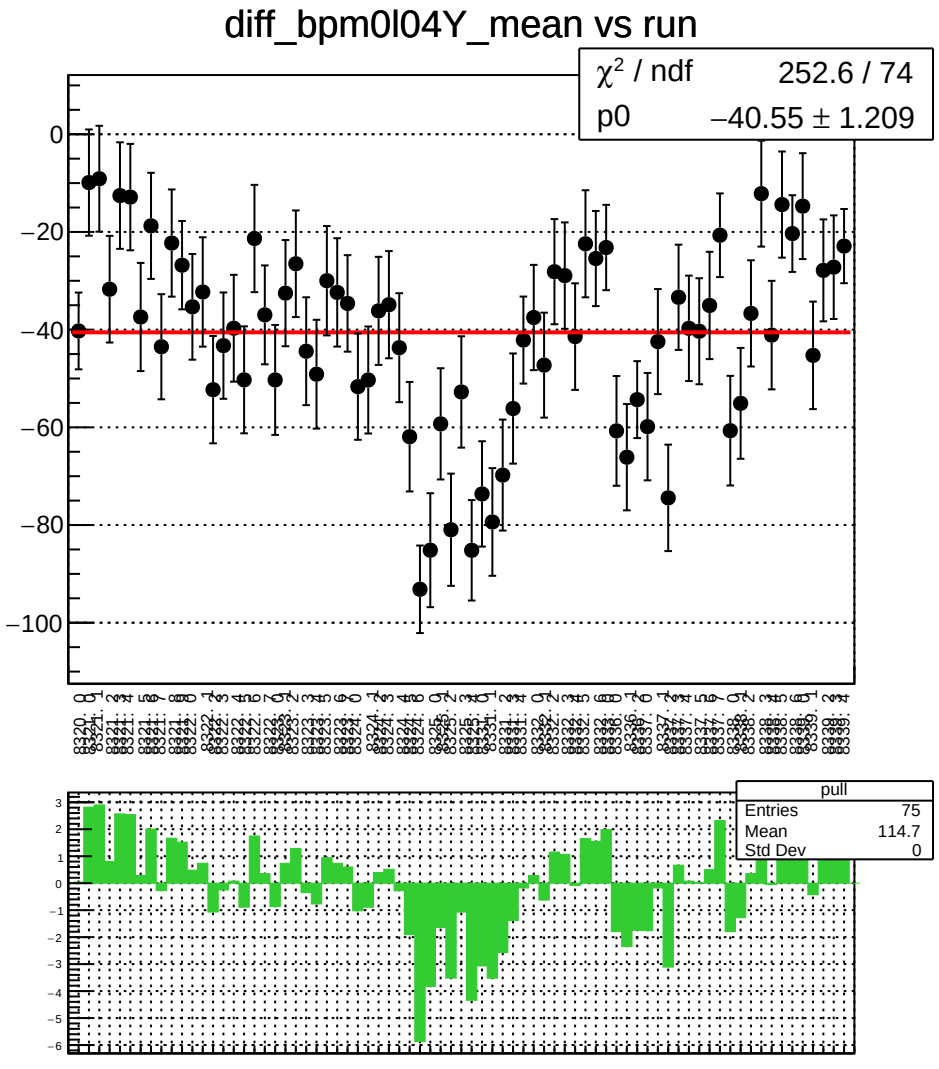

pull1D
Entries 75
Mean 0.04565
Std Dev 1.106

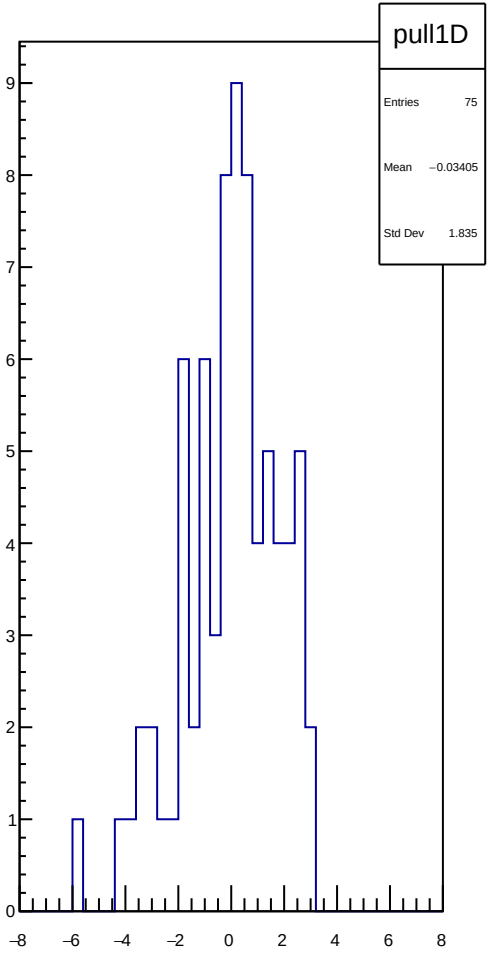

diff_bpm0l03Y_rms vs run
χ² / ndf 9.351e+05 / 74
p0 2432 ± 3.294
80000
70000
60000
50000
40000
30000
20000
10000

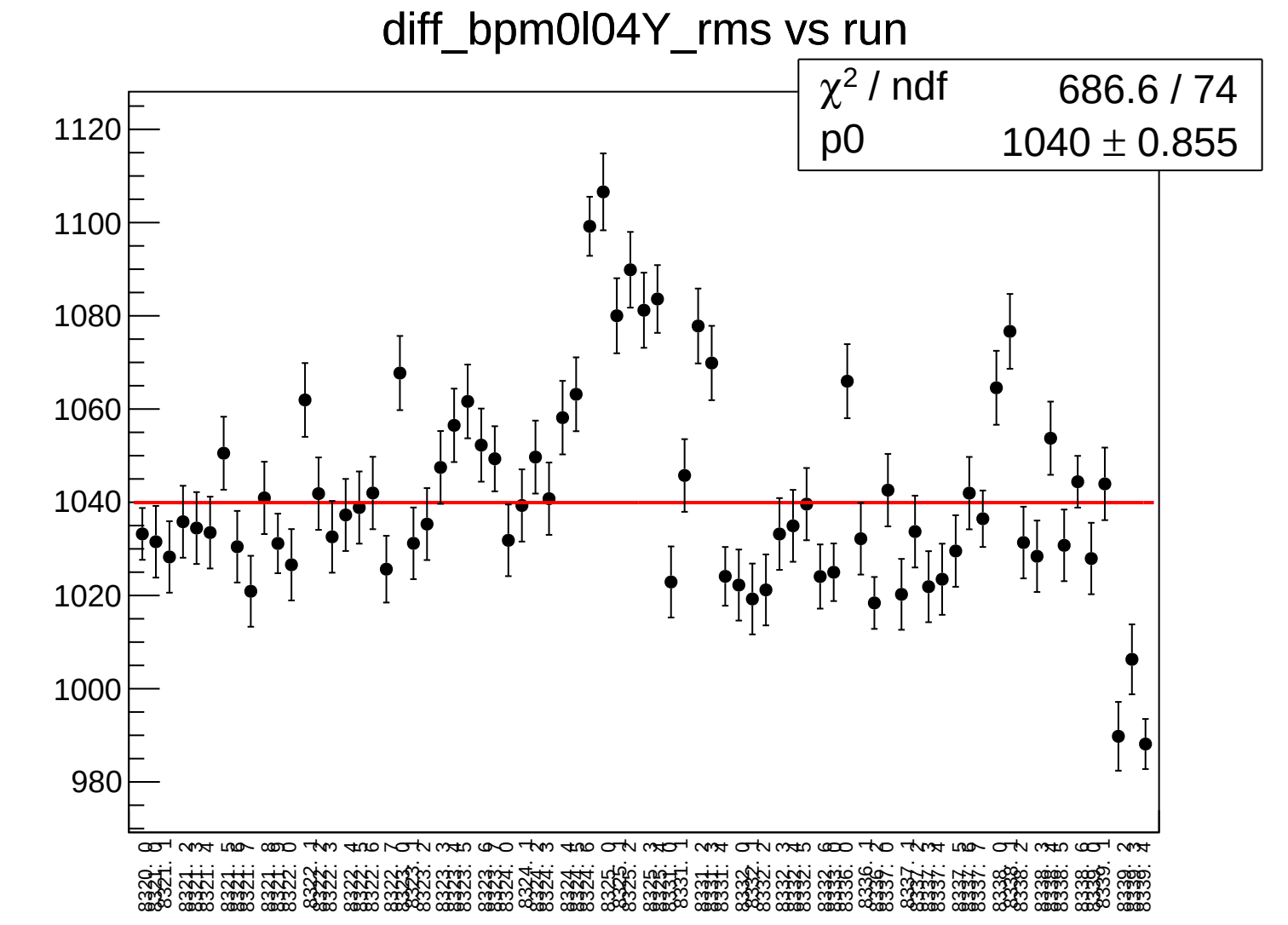

diff_bpm0l04X_mean vs run
χ² / ndf 103.2 / 74
p0 134 ± 4.3
250
200
150
100
50
0
pull
Entries 75
Mean −302.7
Std Dev 0
2
1
0
−1
−2
−3

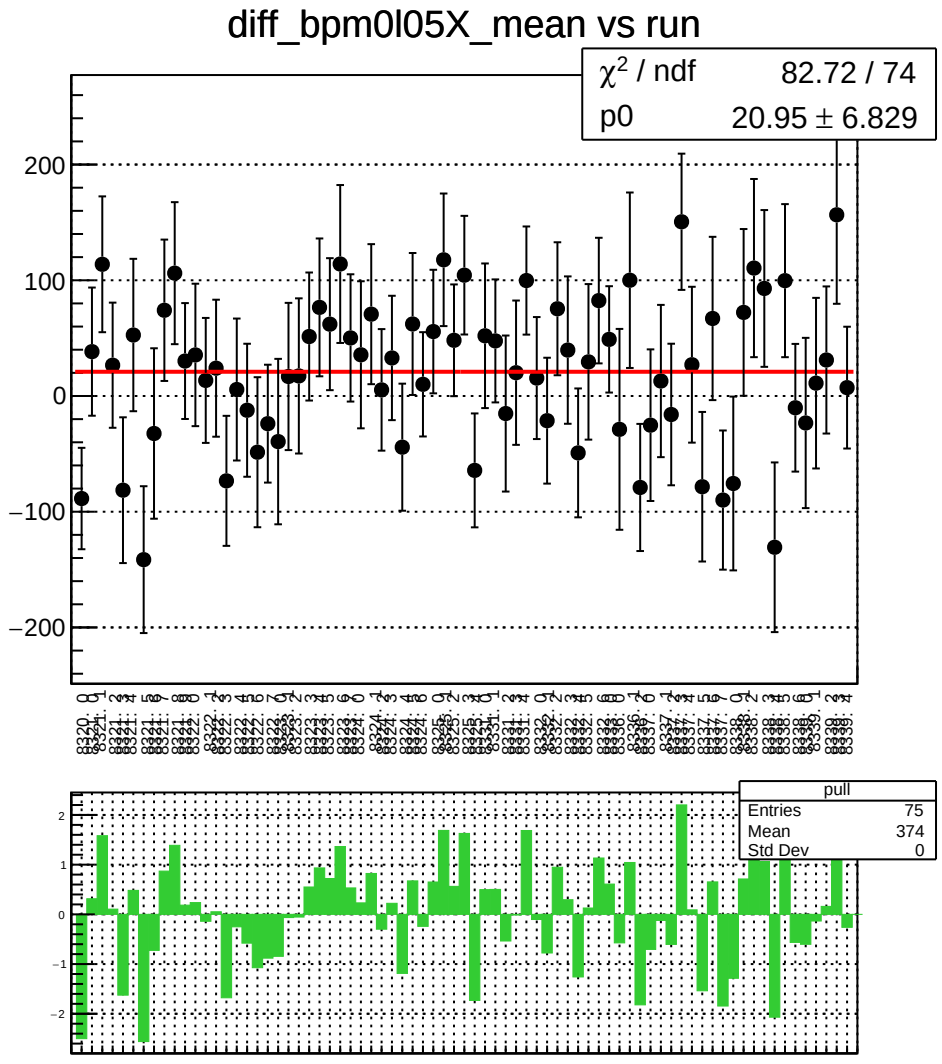

pull1D
Entries 75
Mean 0.01429
Std Dev 1.173
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

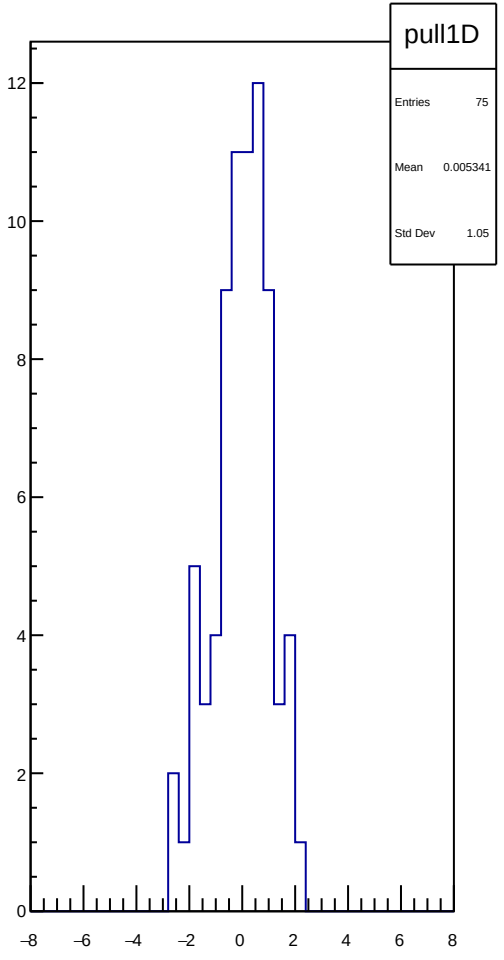

diff_bpm0l04X_rms vs run
χ² / ndf 354.3 / 74
p0 3698 ± 3.04
4000
3950
3900
3850
3800
3750
3700
3650
3600
3550

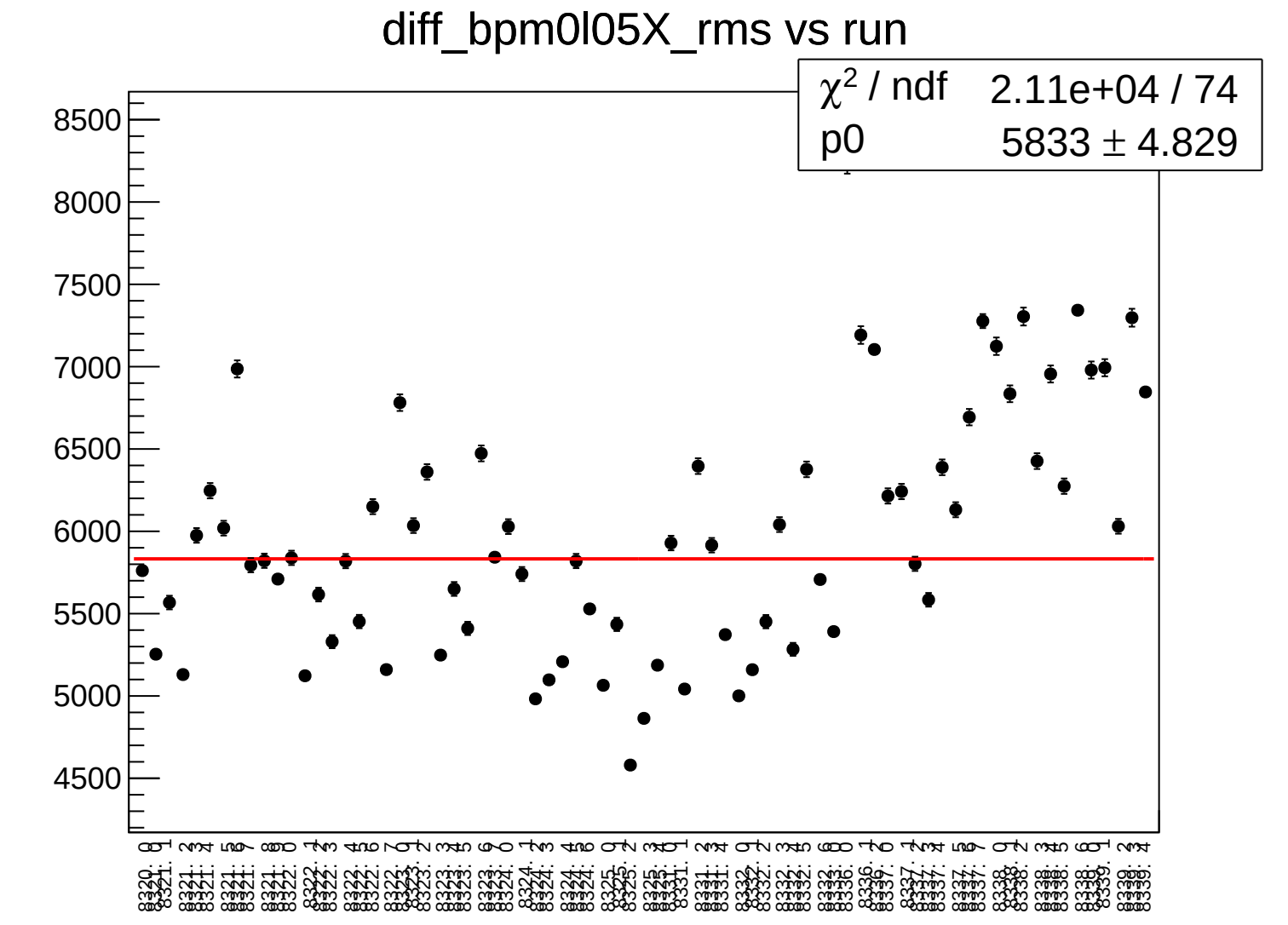

diff_bpm0l04Y_mean vs run
χ² / ndf 252.6 / 74
p0 −40.55 ± 1.209
pull
Entries 75
Mean 114.7
Std Dev 0

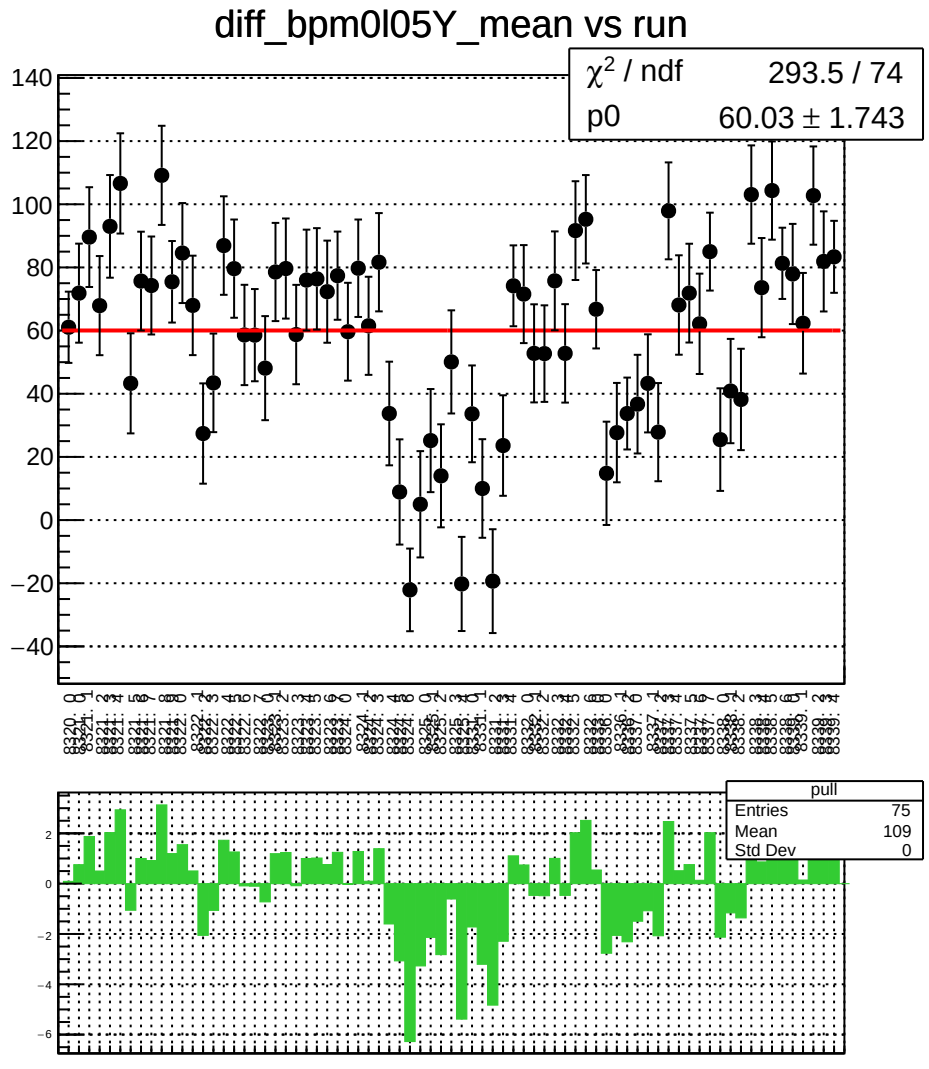

pull1D
Entries 75
Mean −0.03405
Std Dev 1.835

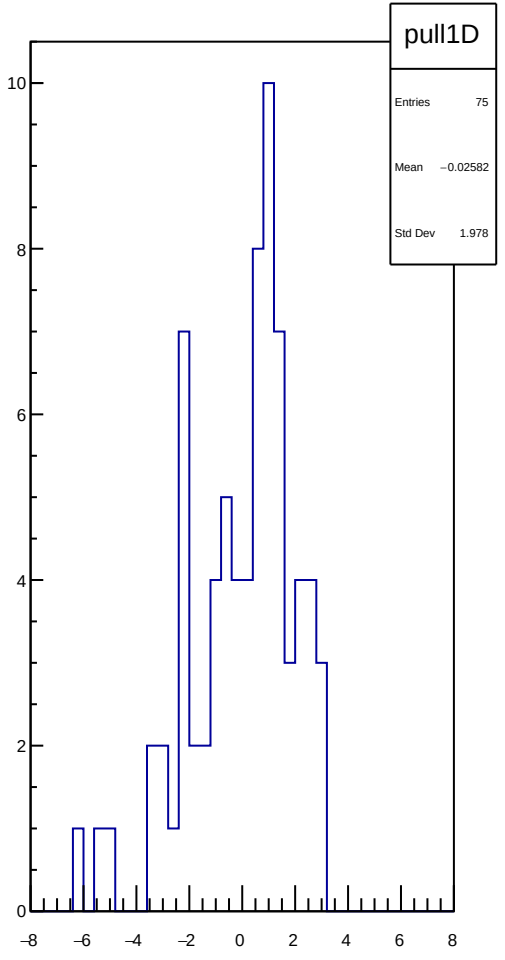

diff_bpm0l04Y_rms vs run
χ² / ndf 686.6 / 74
p0 1040 ± 0.855
1120
1100
1080
1060
1040
1020
1000
980

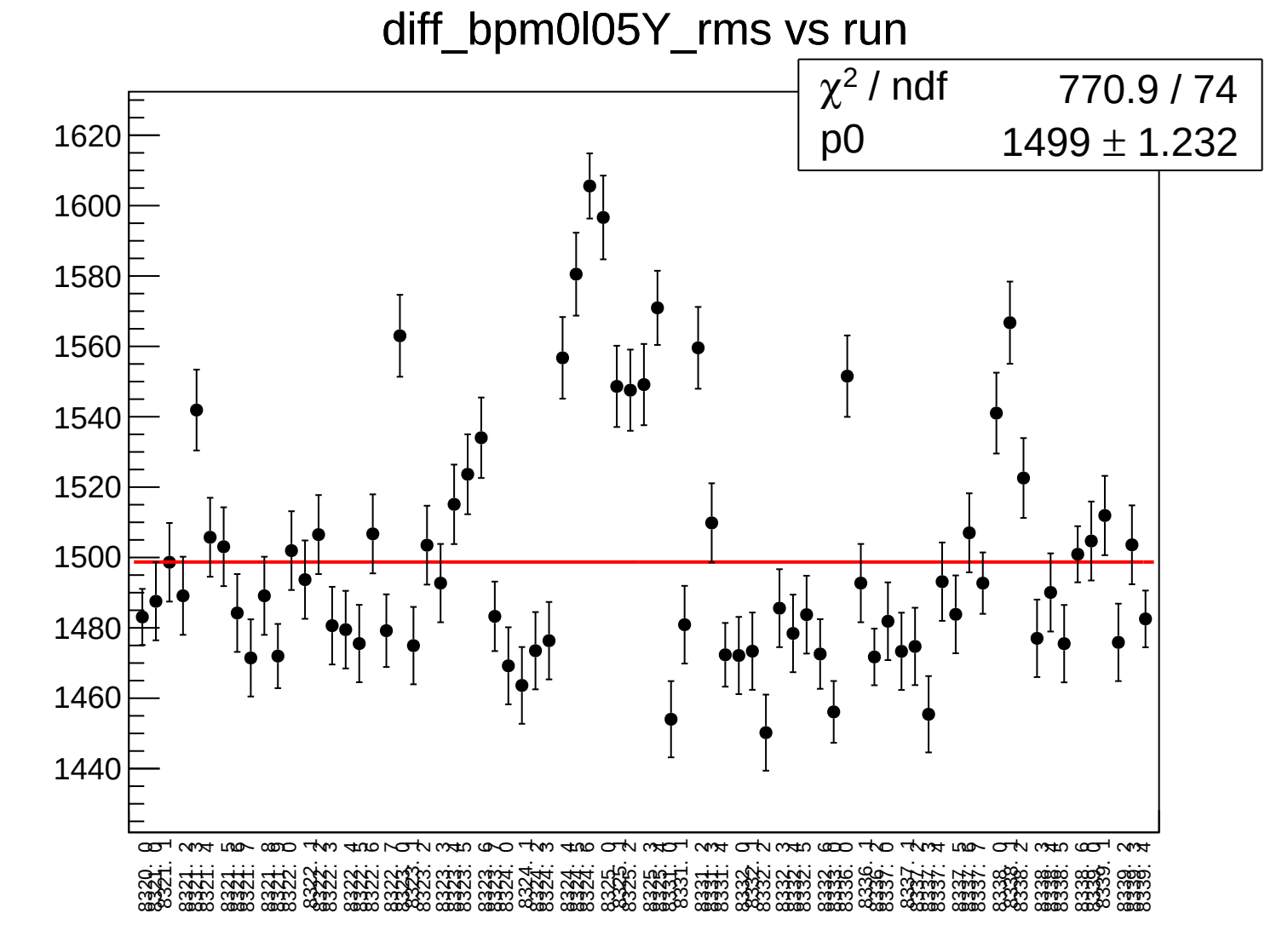

diff_bpm0l05X_mean vs run
χ² / ndf 82.72 / 74
p0 20.95 ± 6.829
200
100
0
−100
−200
pull
Entries 75
Mean 374
Std Dev 0
2
1
0
−1
−2

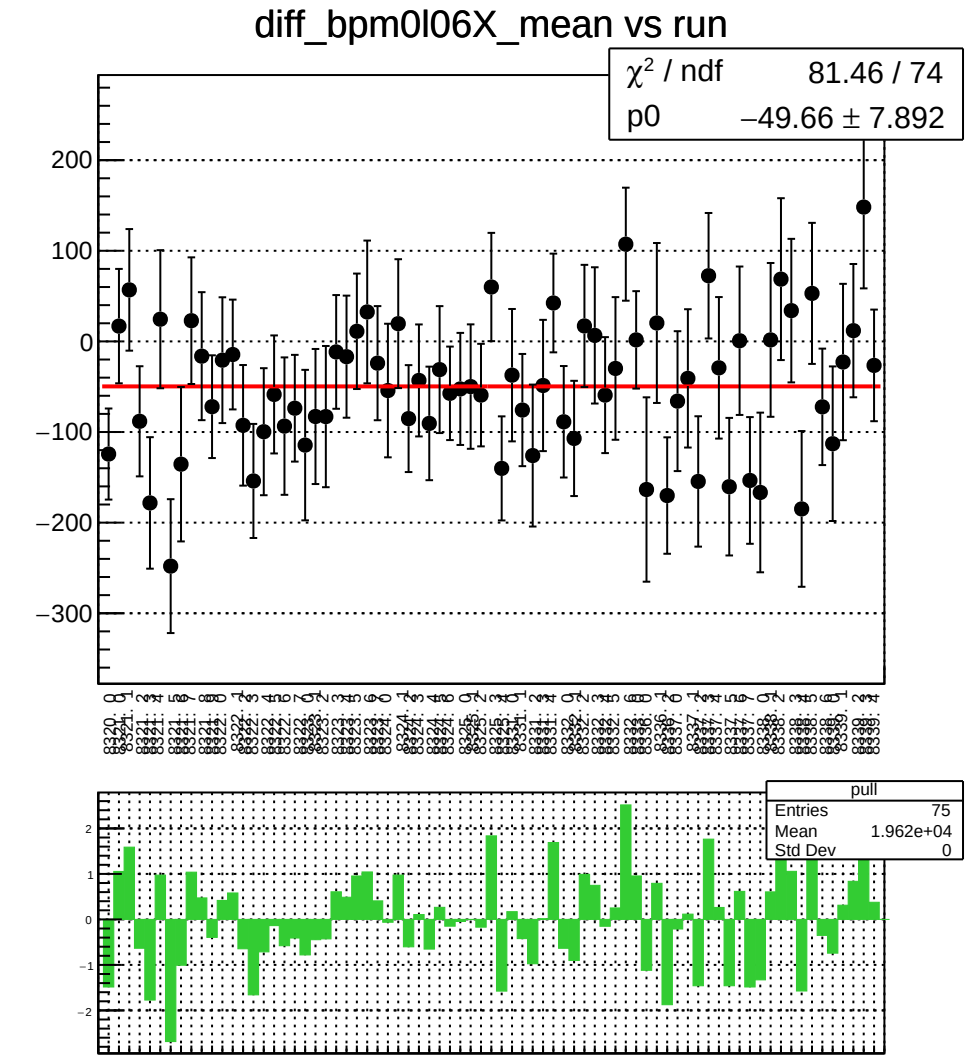

pull1D
Entries 75
Mean 0.005341
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

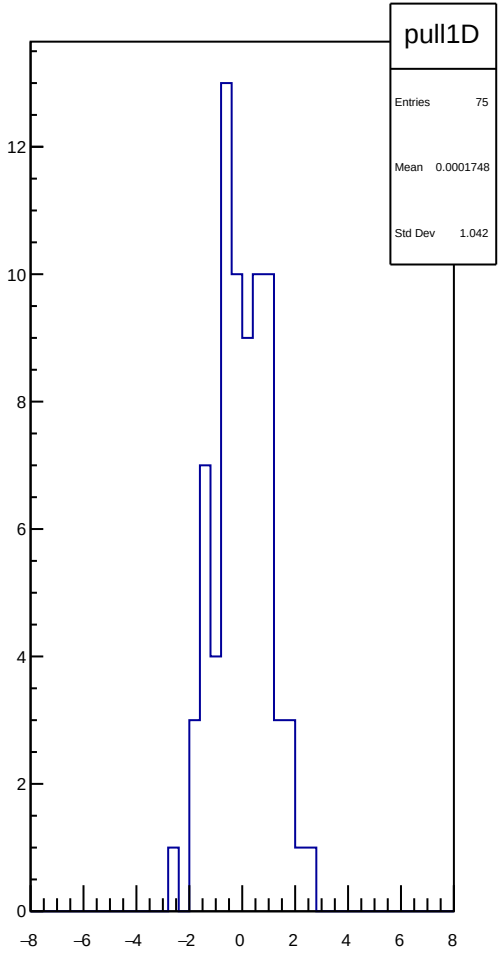

diff_bpm0l05X_rms vs run
χ² / ndf 2.11e+04 / 74
p0 5833 ± 4.829
8500
8000
7500
7000
6500
6000
5500
5000
4500

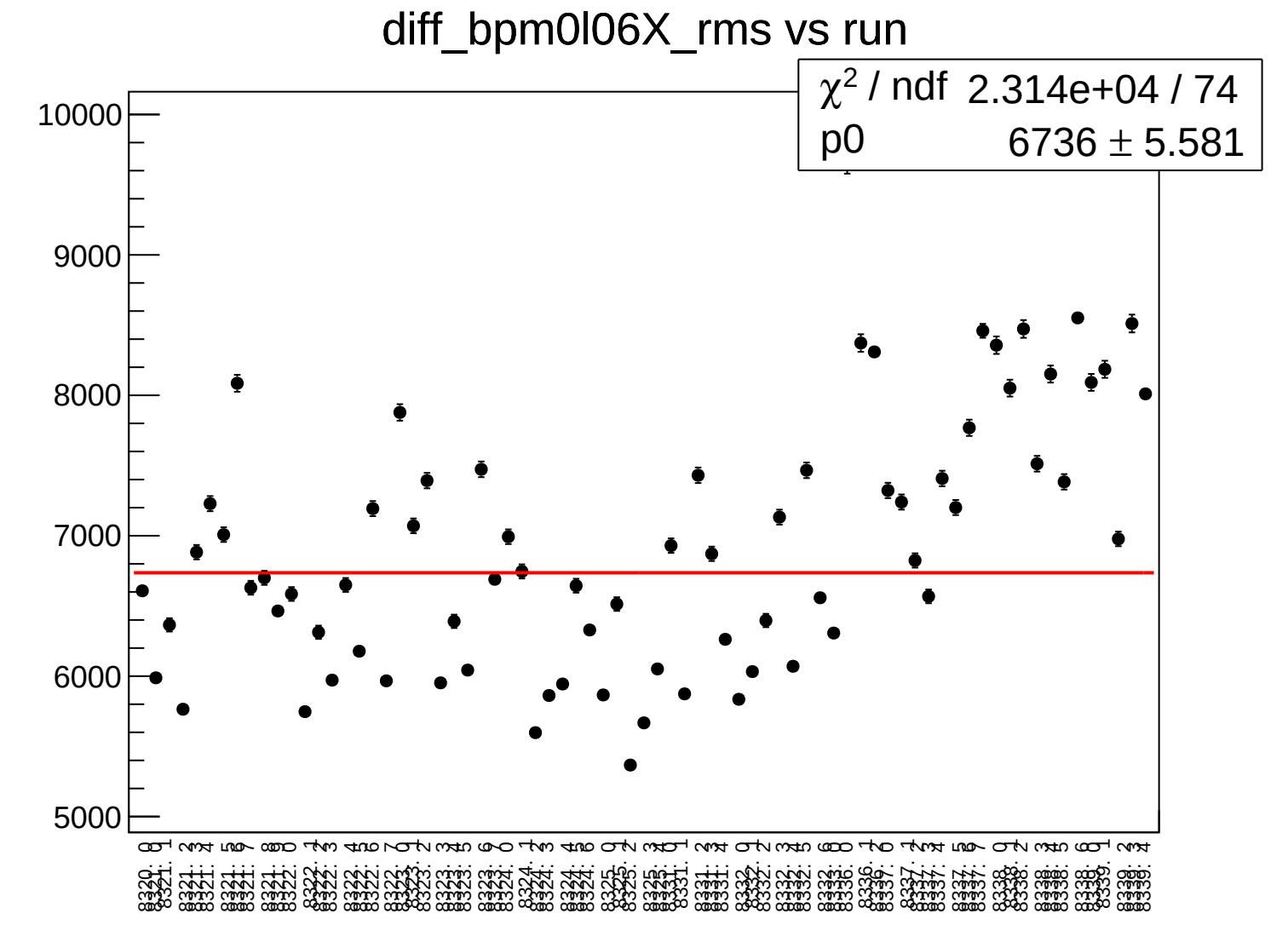

diff_bpm0l05Y_mean vs run
χ^2 / ndf 293.5 / 74
p0 60.03 ± 1.743
pull
Entries 75
Mean 109
Std Dev 0

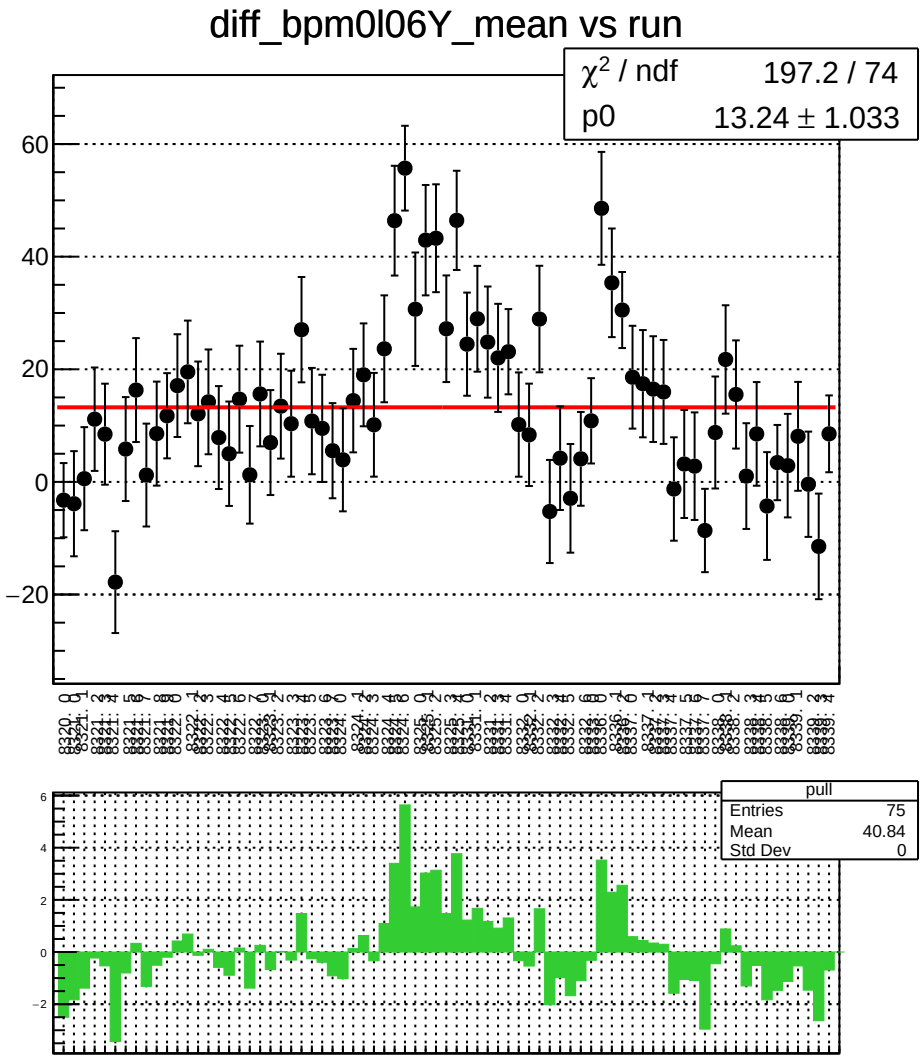

pull1D
Entries 75
Mean −0.02582
Std Dev 1.978

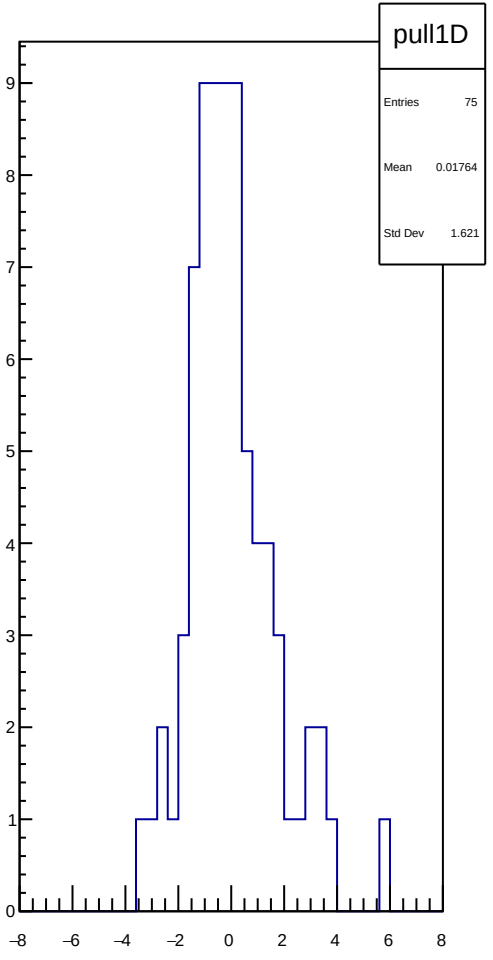

diff_bpm0l05Y_rms vs run
χ² / ndf 770.9 / 74
p0 1499 ± 1.232
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440

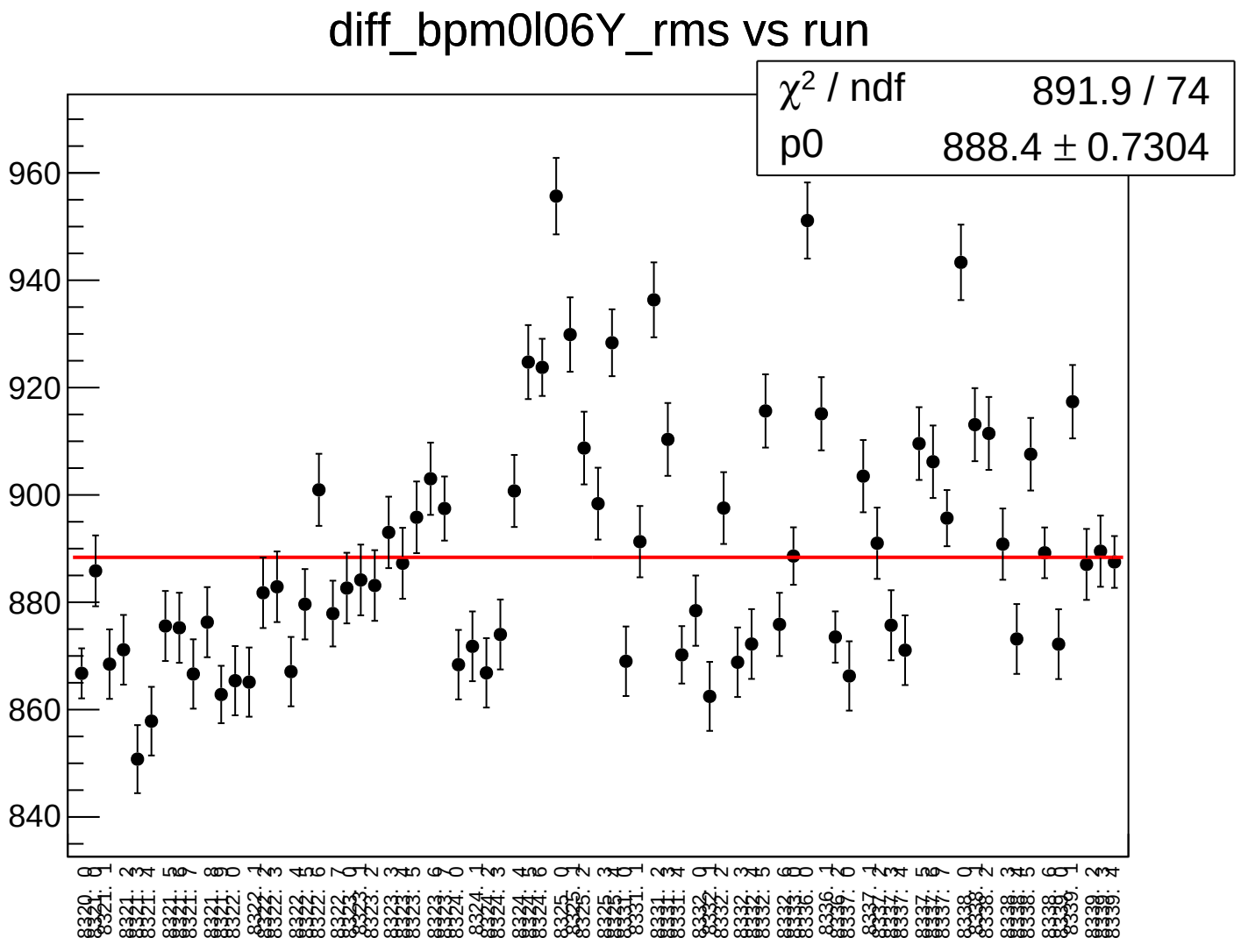

diff_bpm0l06X_mean vs run
χ² / ndf 81.46 / 74
p0 −49.66 ± 7.892
200
100
0
−100
−200
−300
pull
Entries 75
Mean 1.962e+04
Std Dev 0
2
1
0
−1
−2

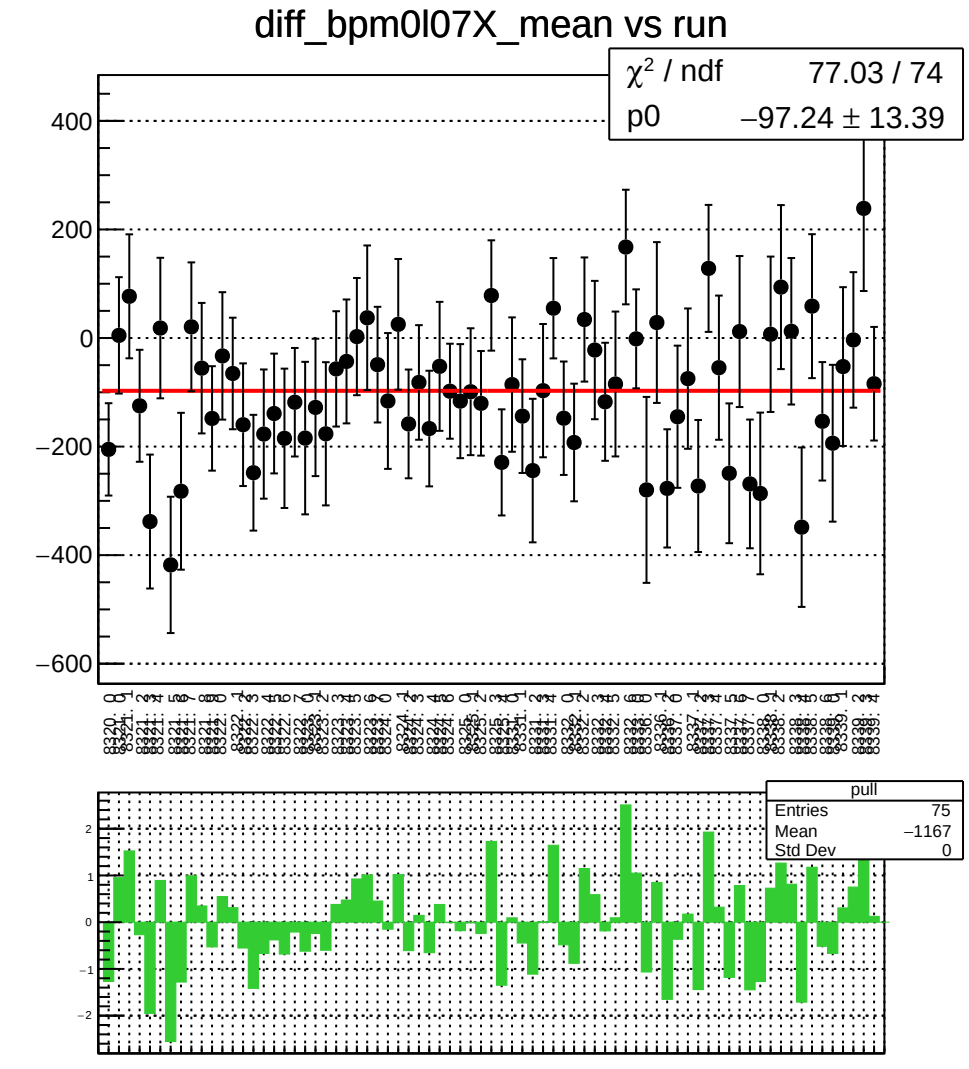

pull1D
Entries 75
Mean 0.0001748
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

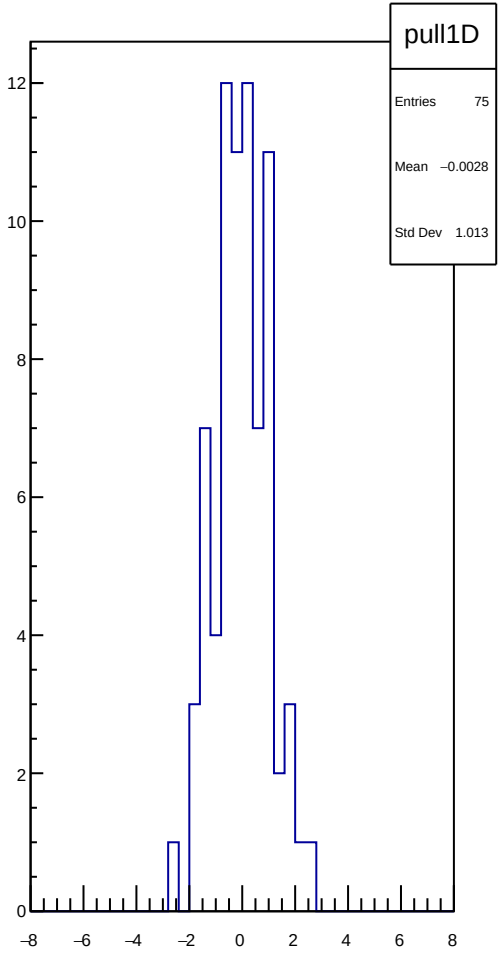

diff_bpm0l06X_rms vs run
χ² / ndf 2.314e+04 / 74
p0 6736 ± 5.581
10000
9000
8000
7000
6000
5000

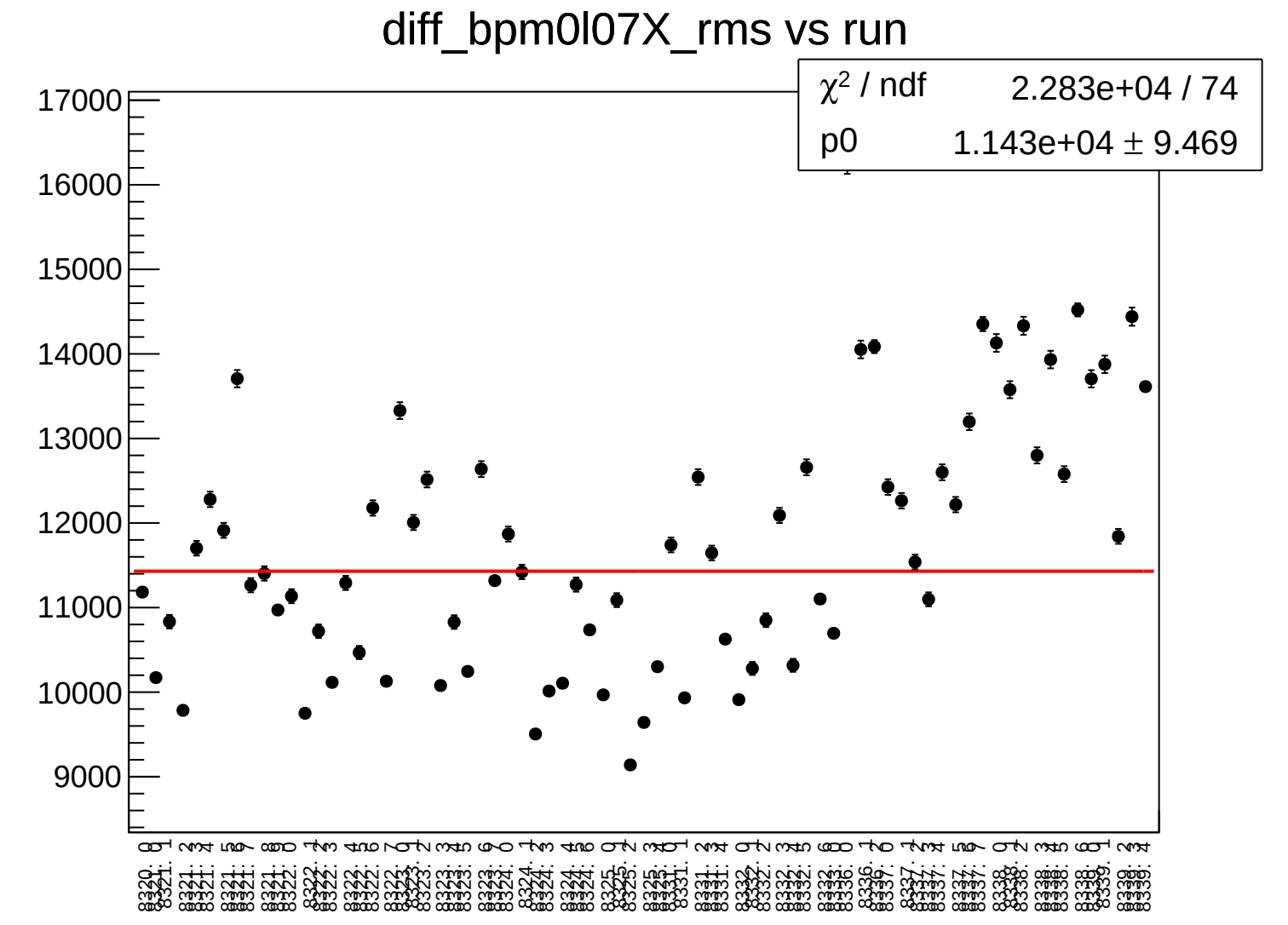

diff_bpm0l06Y_mean vs run
χ² / ndf 197.2 / 74
p0 13.24 ± 1.033
pull
Entries 75
Mean 40.84
Std Dev 0

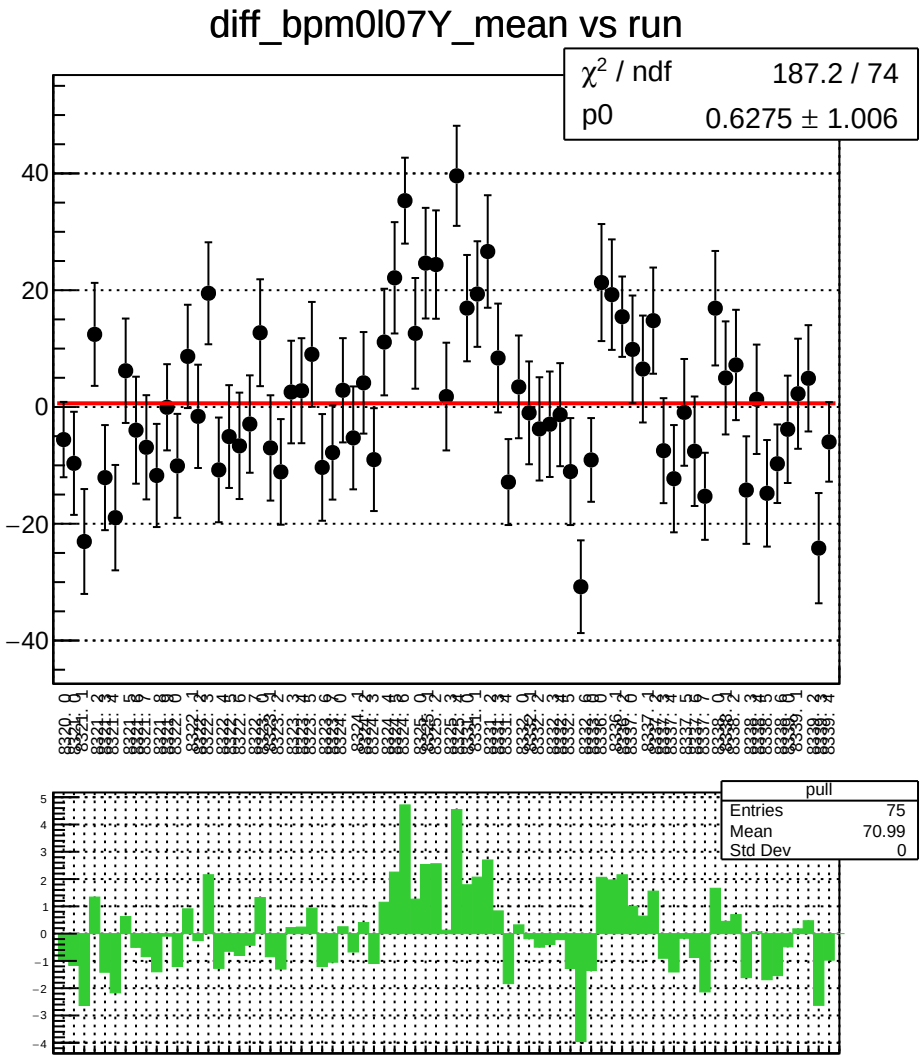

pull1D
Entries 75
Mean 0.01764
Std Dev 1.621

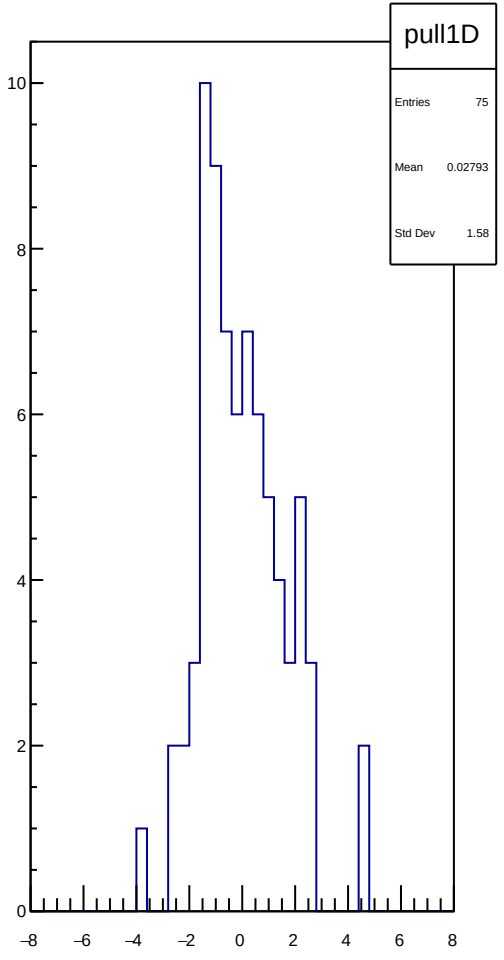

diff_bpm0l06Y_rms vs run
χ² / ndf 891.9 / 74
p0 888.4 ± 0.7304
960
940
920
900
880
860
840

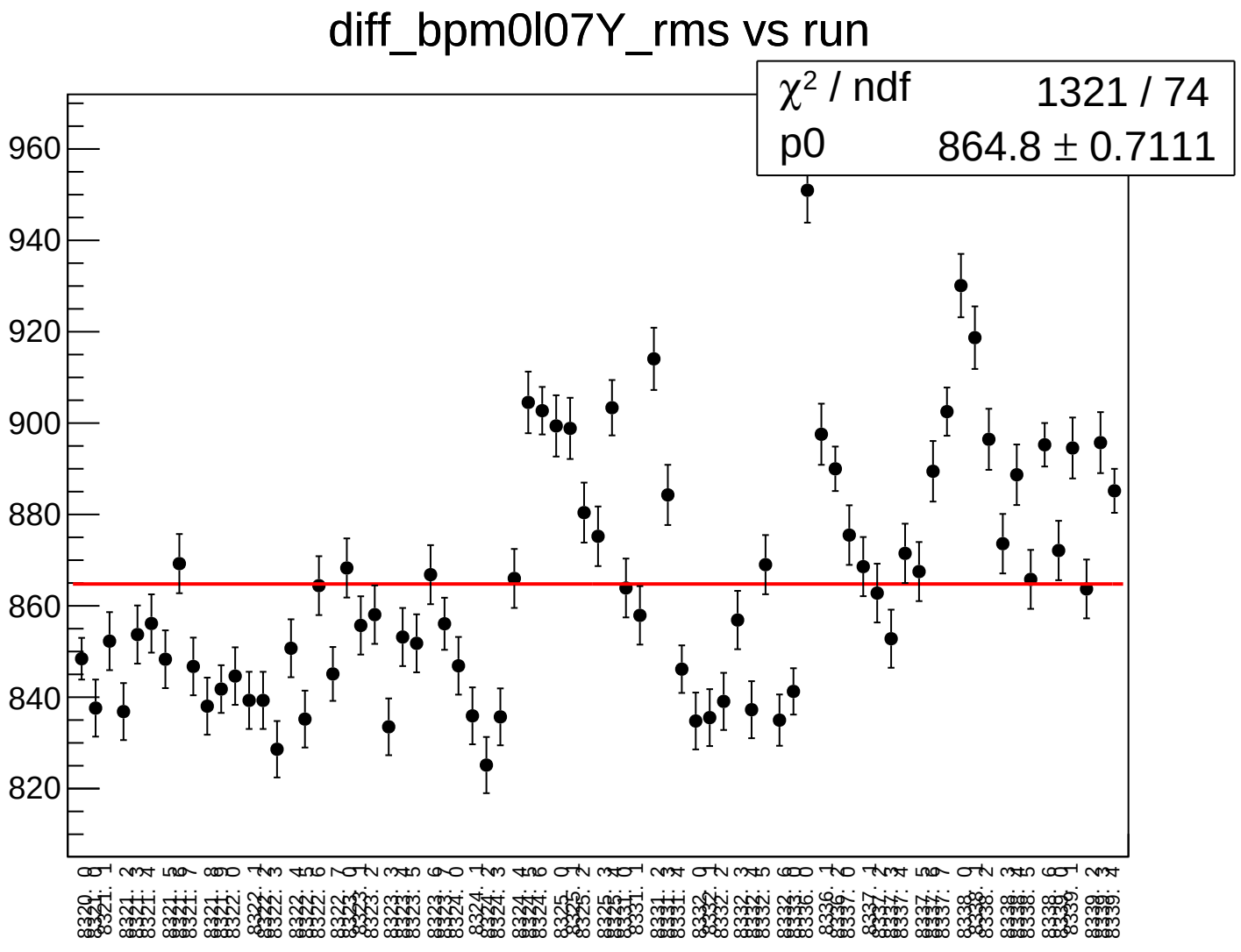

diff_bpm0l07X_mean vs run
χ² / ndf 77.03 / 74
p0 −97.24 ± 13.39
pull
Entries 75
Mean −1167
Std Dev 0

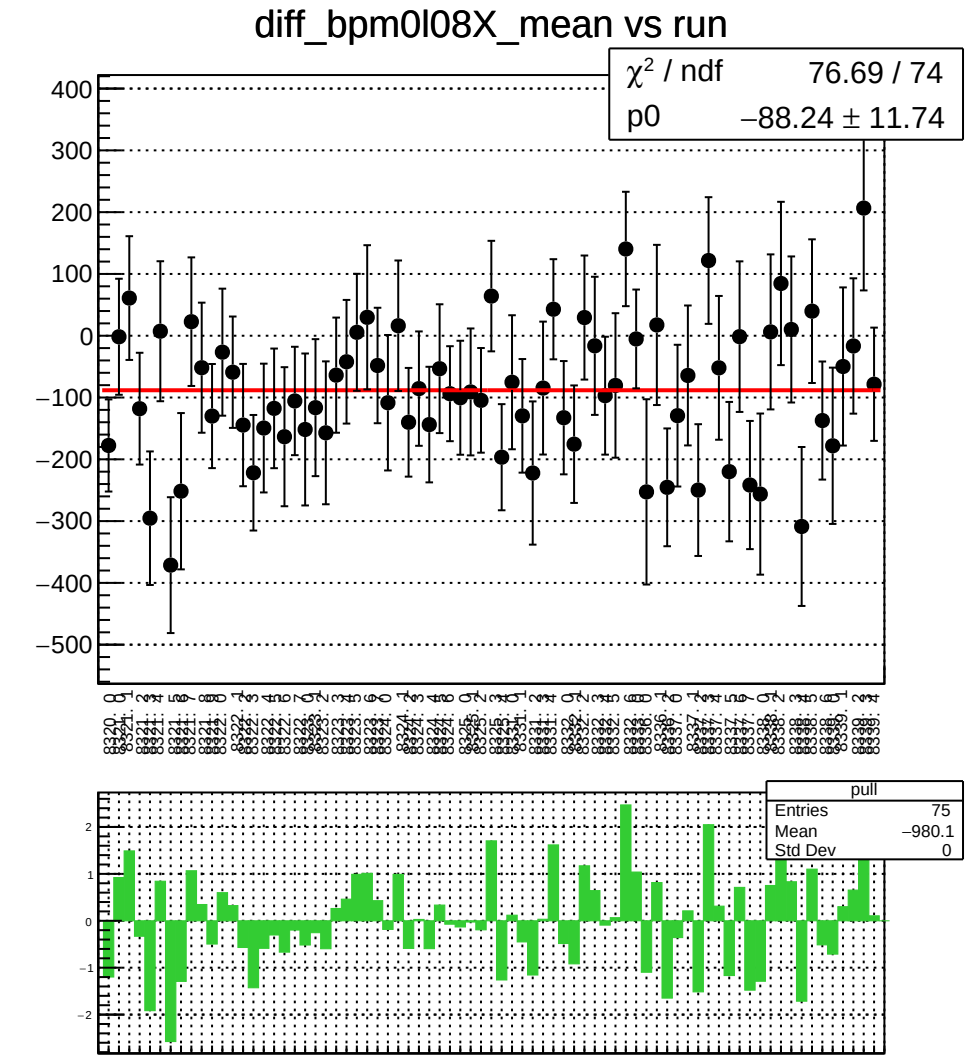

pull1D
Entries 75
Mean −0.0028
Std Dev 1.013

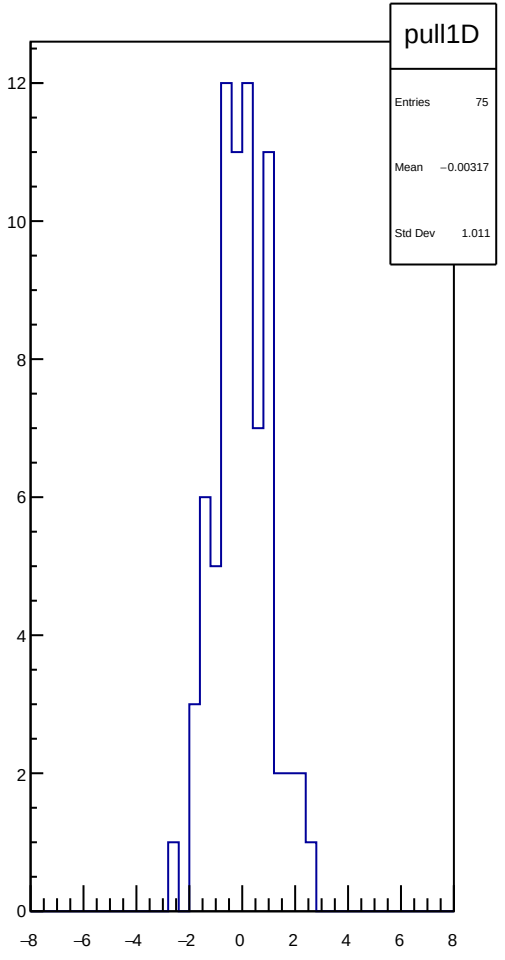

diff_bpm0l07X_rms vs run
χ² / ndf 2.283e+04 / 74
p0 1.143e+04 ± 9.469
17000
16000
15000
14000
13000
12000
11000
10000
9000

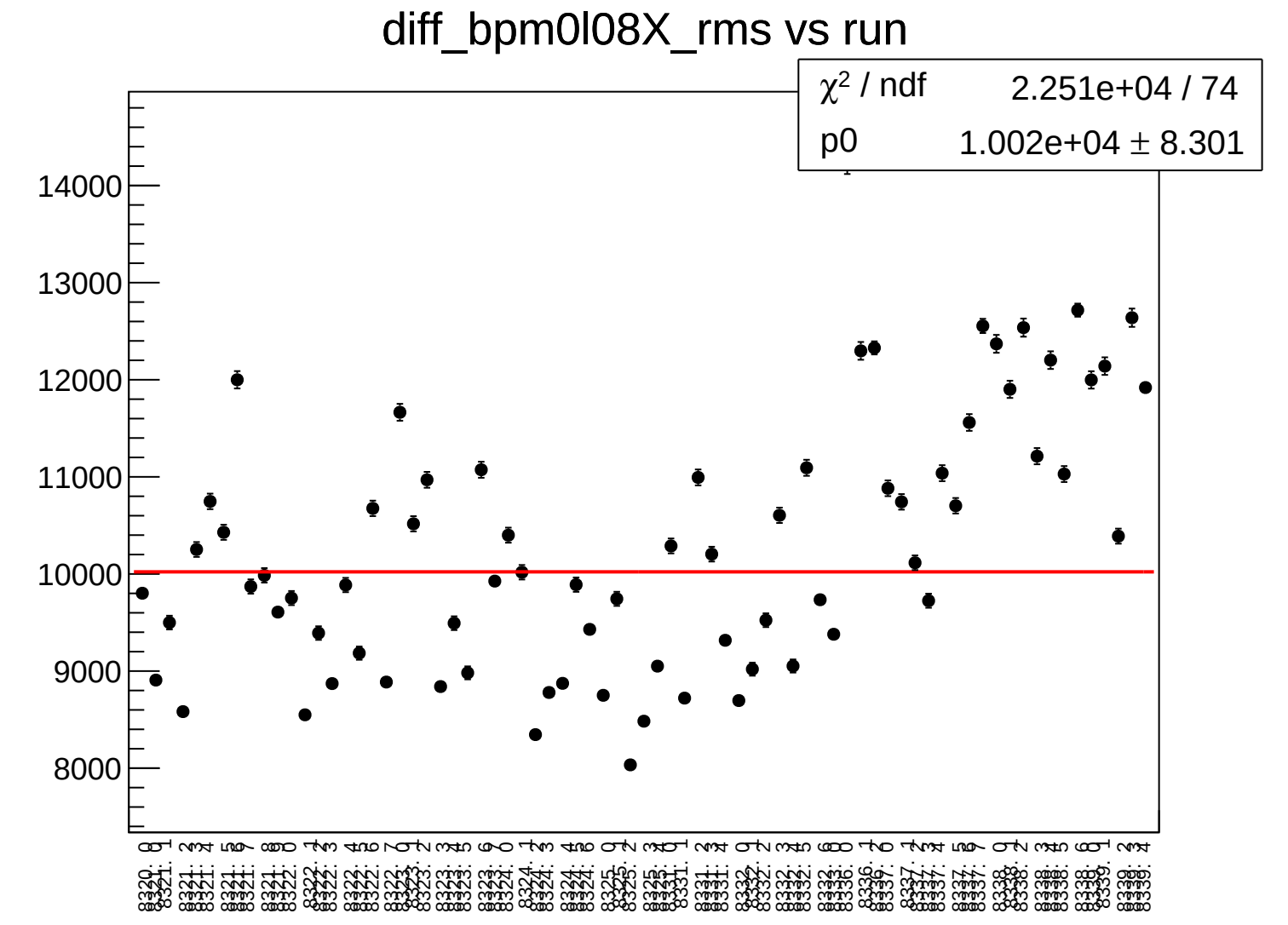

diff_bpm0l07Y_mean vs run
χ² / ndf 187.2 / 74
p0 0.6275 ± 1.006
pull
Entries 75
Mean 70.99
Std Dev 0

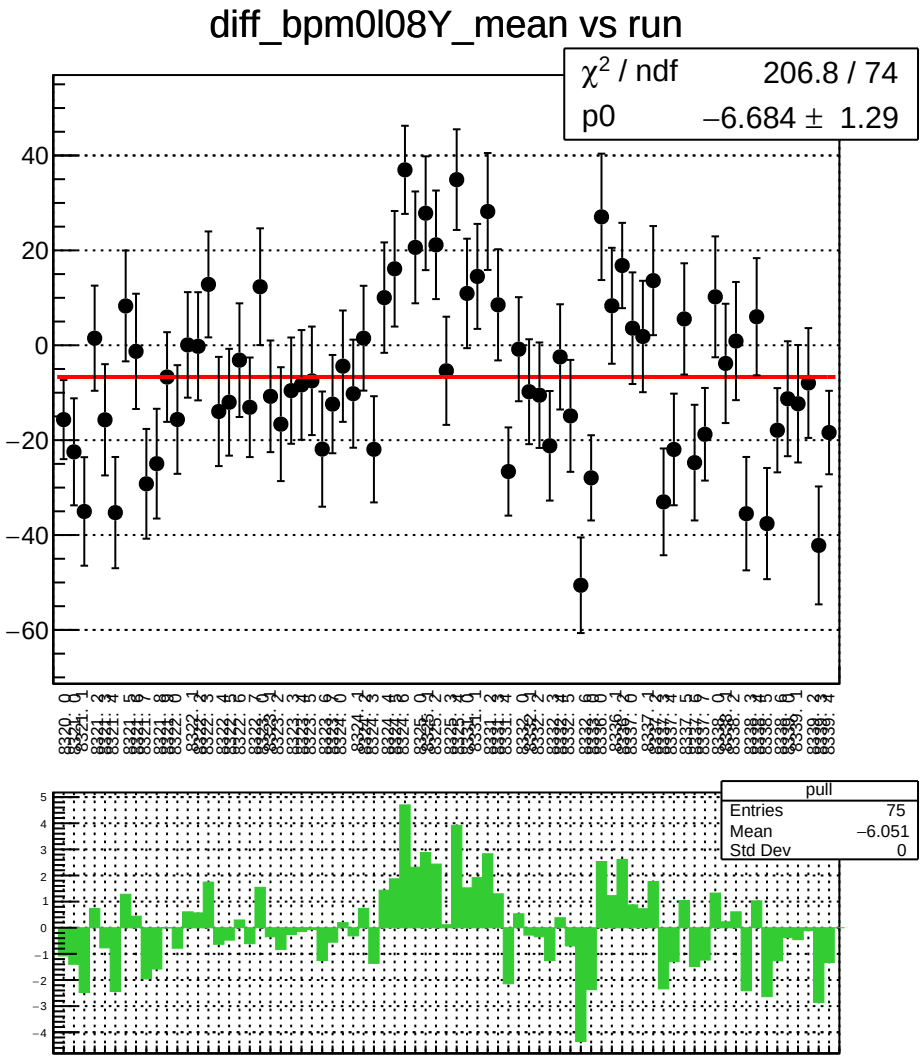

pull1D
Entries 75
Mean 0.02793
Std Dev 1.58

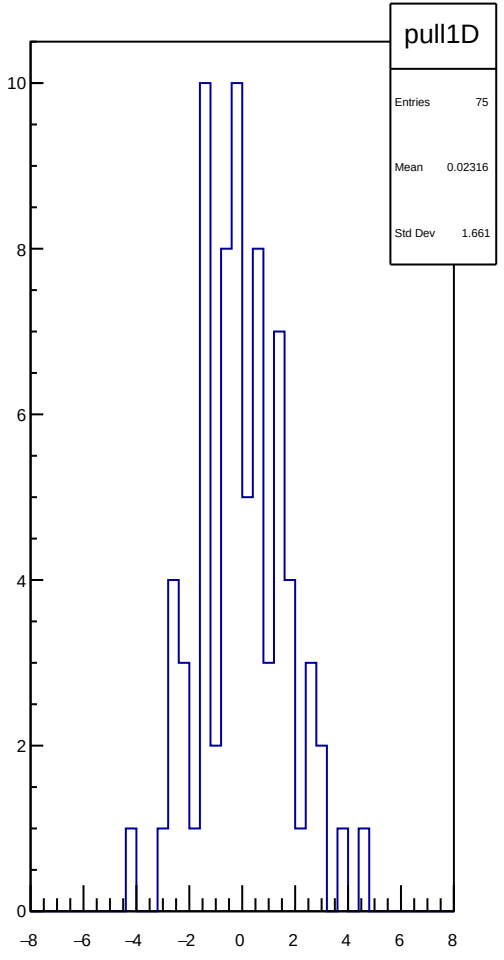

diff_bpm0l07Y_rms vs run
χ² / ndf 1321 / 74
p0 864.8 ± 0.7111
960
940
920
900
880
860
840
820

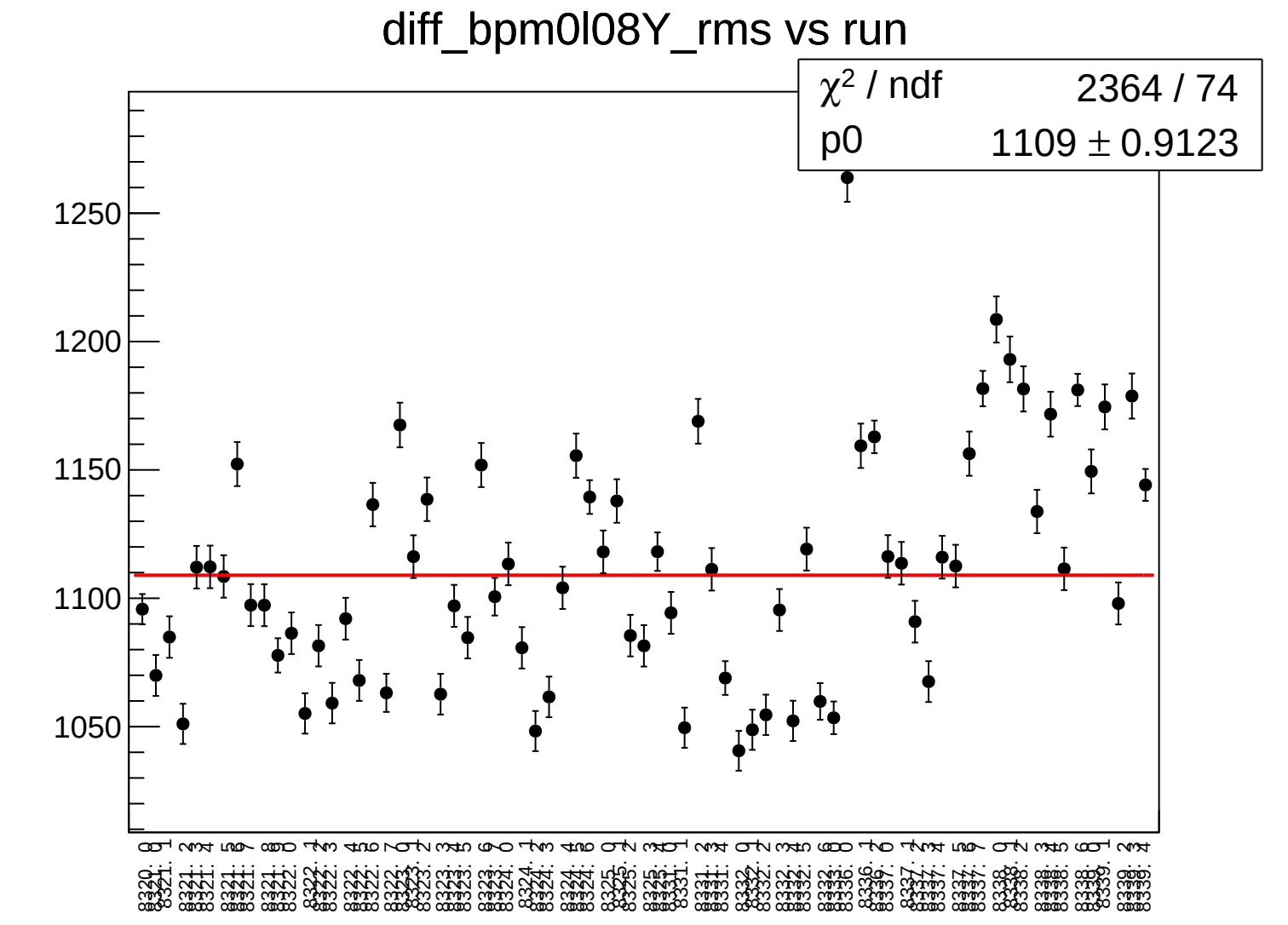

diff_bpm0l08X_mean vs run
χ² / ndf 76.69 / 74
p0 −88.24 ± 11.74
pull
Entries 75
Mean −980.1
Std Dev 0

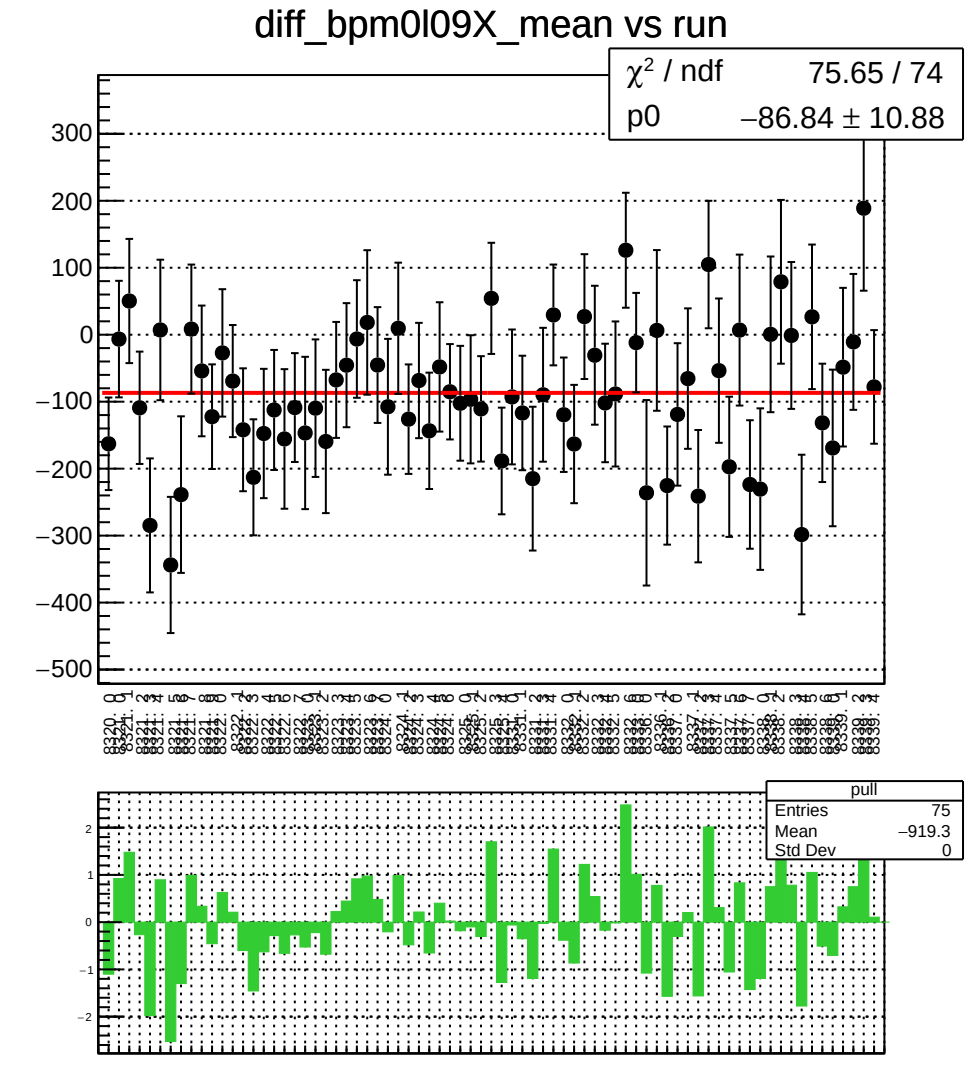

pull1D
Entries 75
Mean −0.00317
Std Dev 1.011

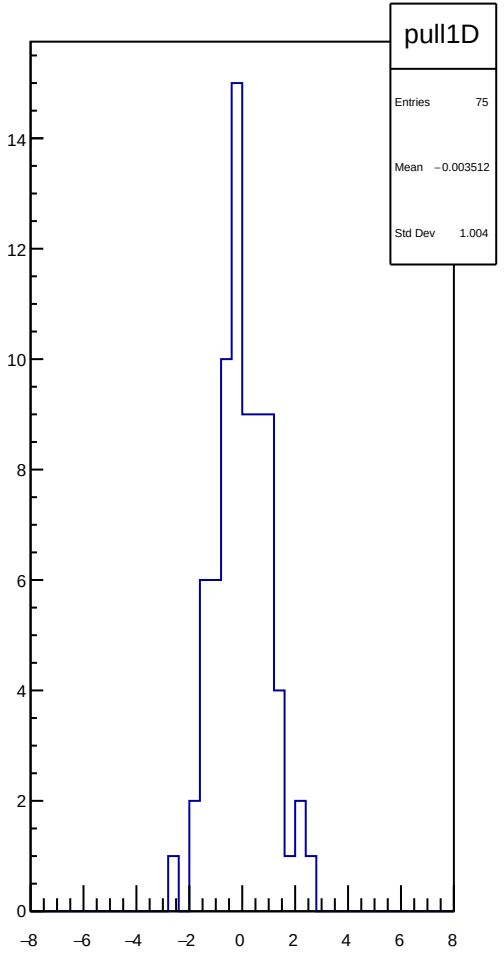

diff_bpm0l08X_rms vs run
χ² / ndf 2.251e+04 / 74
p0 1.002e+04 ± 8.301
14000
13000
12000
11000
10000
9000
8000

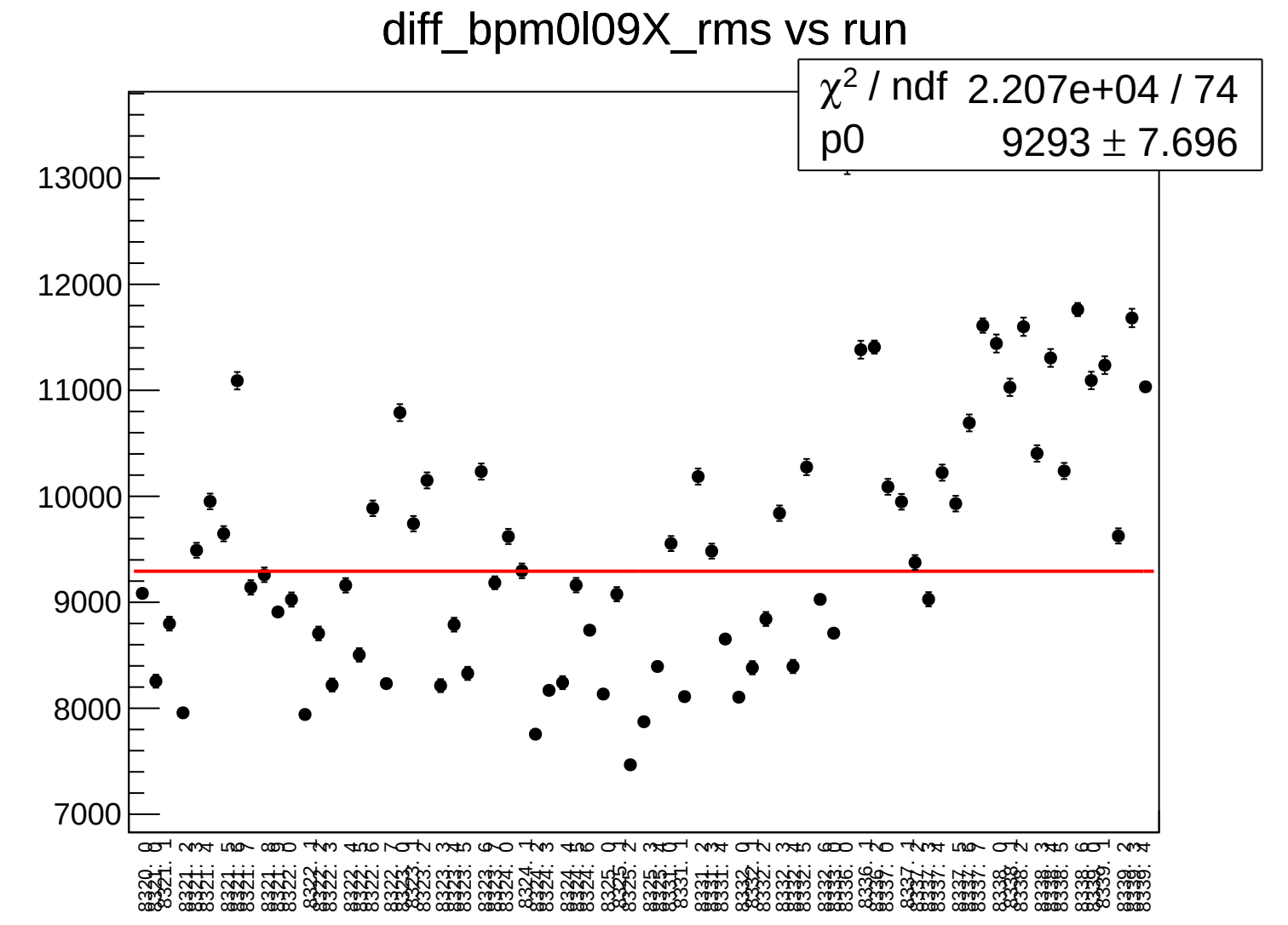

diff_bpm0l08Y_mean vs run
χ² / ndf 206.8 / 74
p0 −6.684 ± 1.29
pull
Entries 75
Mean −6.051
Std Dev 0

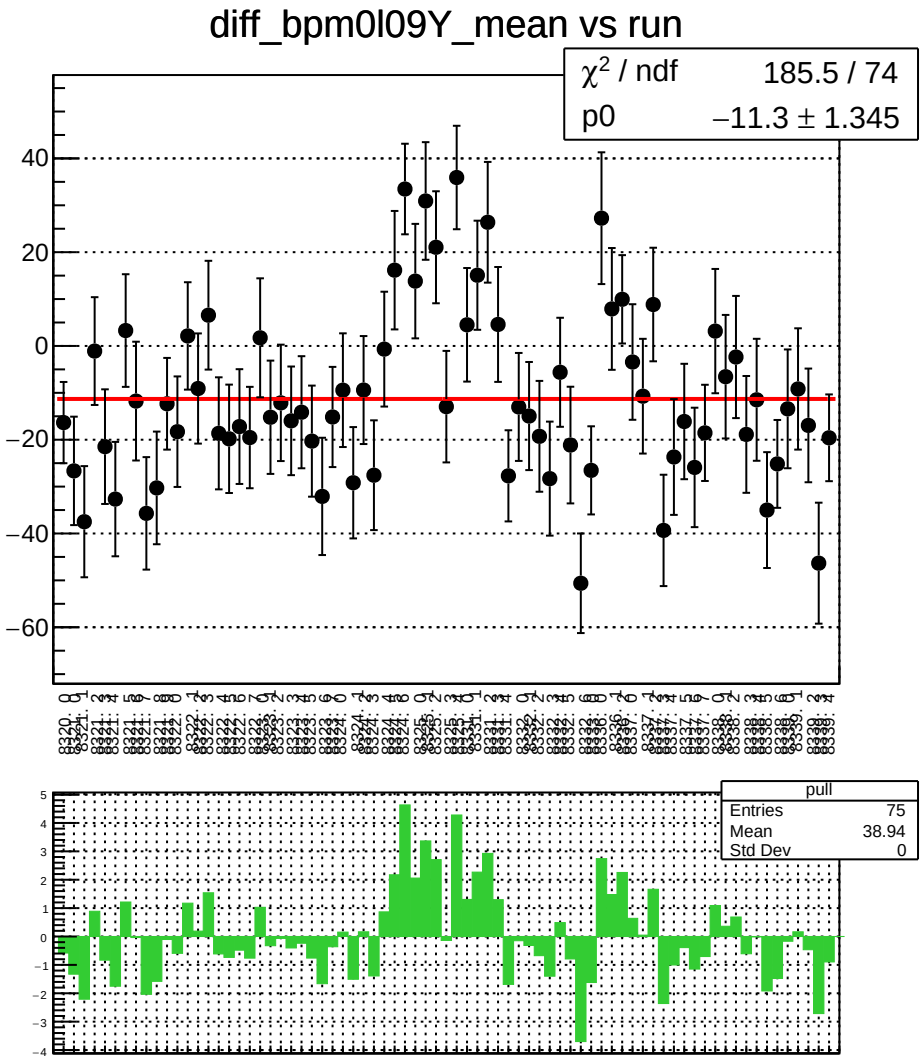

pull1D
Entries 75
Mean 0.02316
Std Dev 1.661

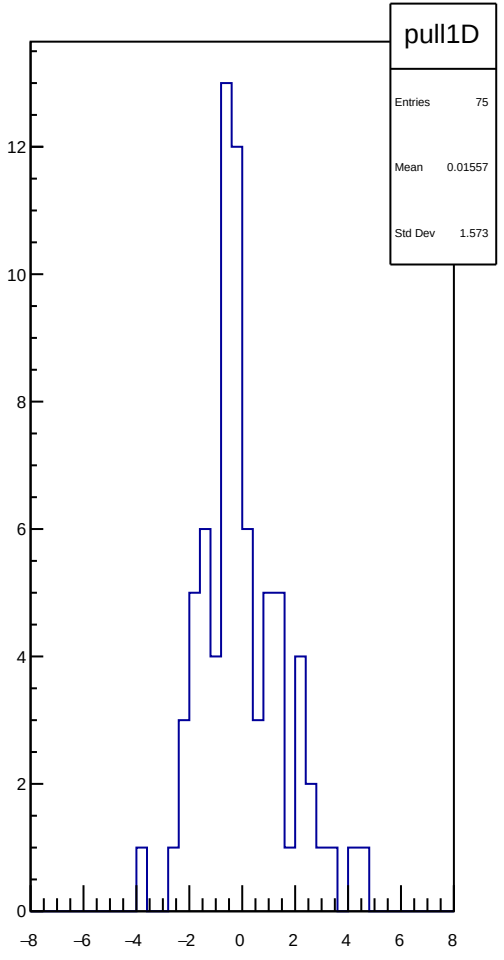

diff_bpm0l08Y_rms vs run
χ² / ndf 2364 / 74
p0 1109 ± 0.9123
1250
1200
1150
1100
1050

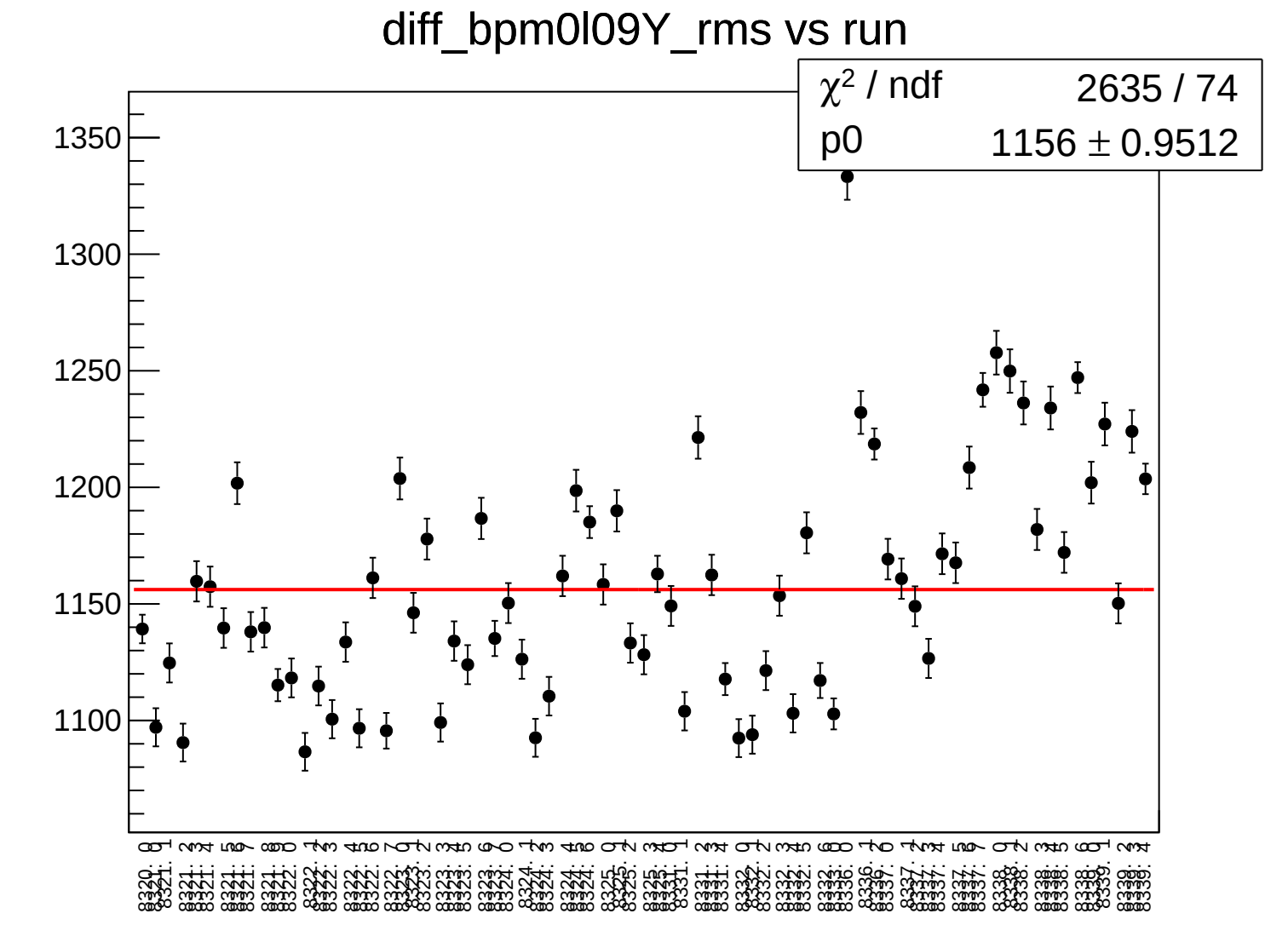

diff_bpm0l09X_mean vs run
χ² / ndf 75.65 / 74
p0 −86.84 ± 10.88
pull
Entries 75
Mean −919.3
Std Dev 0

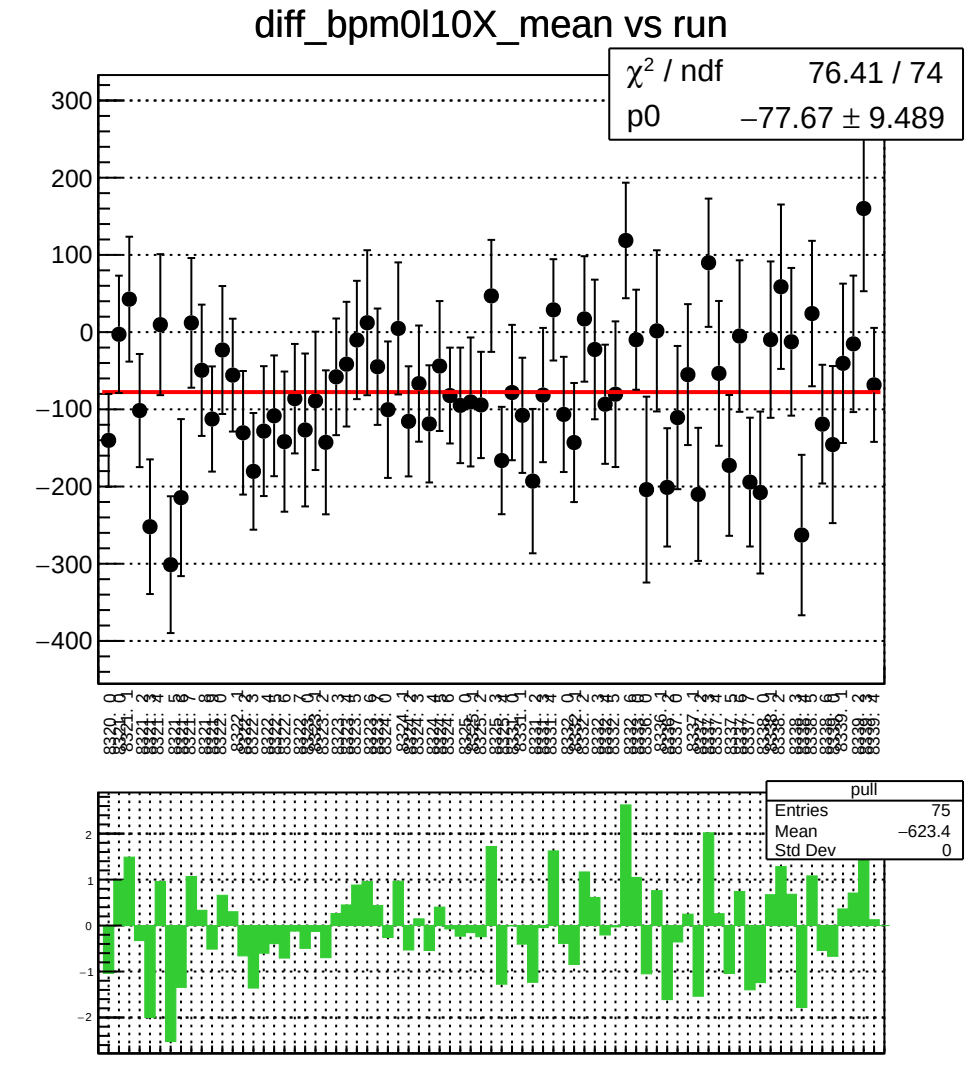

pull1D
Entries 75
Mean −0.003512
Std Dev 1.004

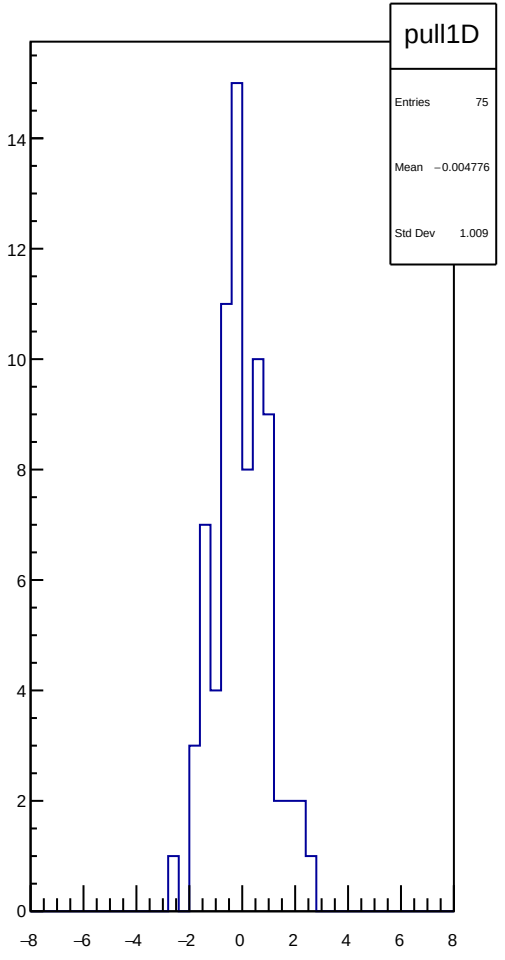

diff_bpm0l09X_rms vs run
χ² / ndf 2.207e+04 / 74
p0 9293 ± 7.696
13000
12000
11000
10000
9000
8000
7000

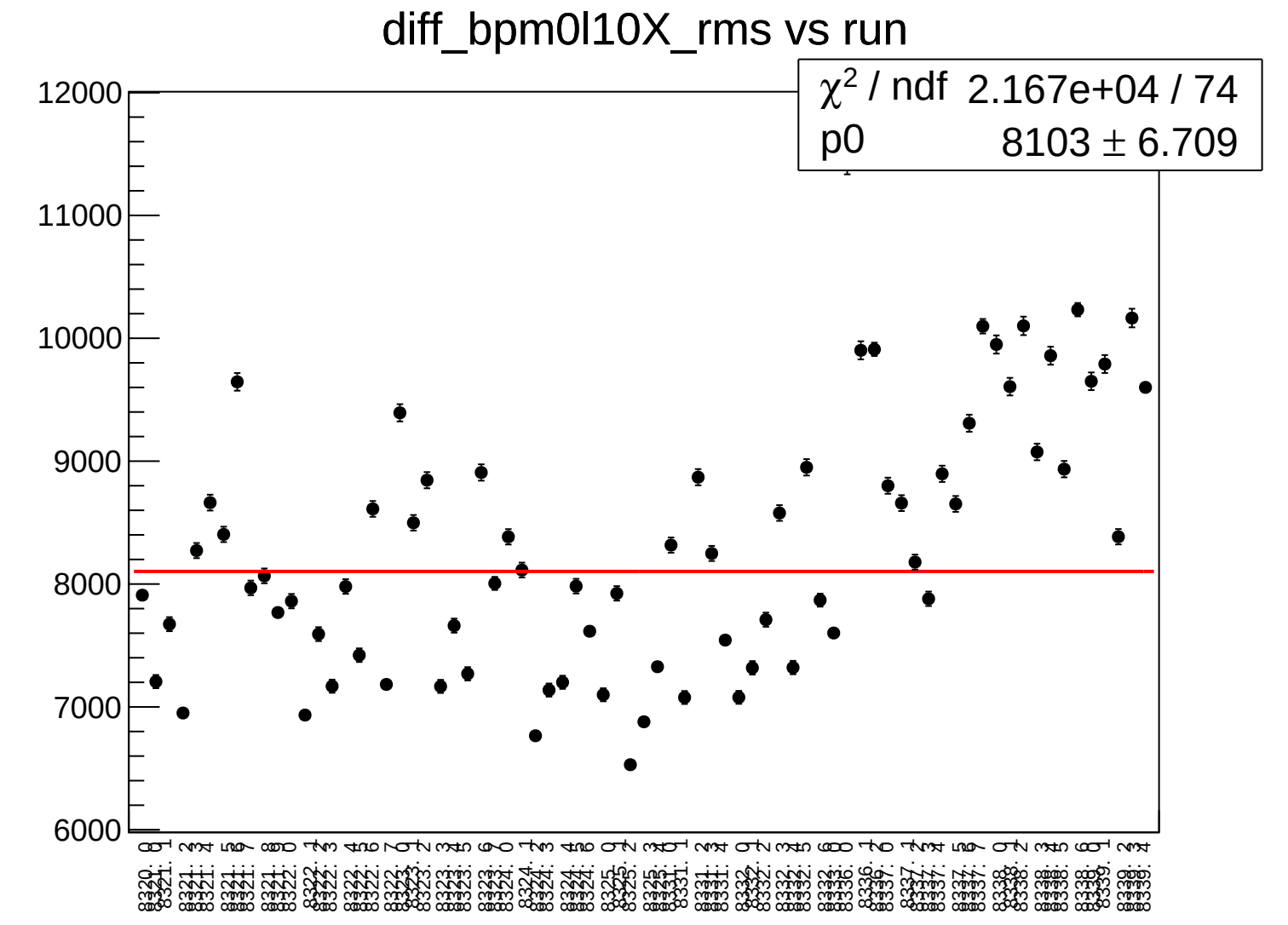

diff_bpm0l09Y_mean vs run
χ² / ndf 185.5 / 74
p0 −11.3 ± 1.345
pull
Entries 75
Mean 38.94
Std Dev 0

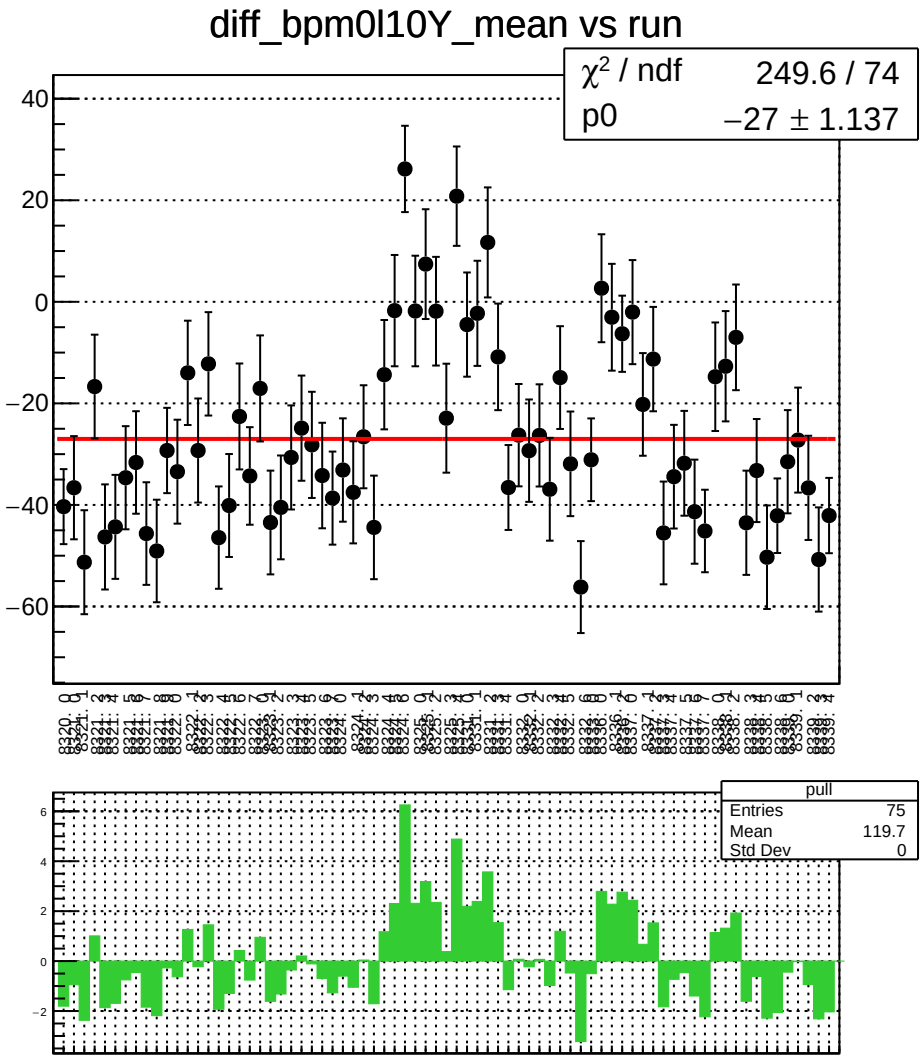

pull1D
Entries 75
Mean 0.01557
Std Dev 1.573

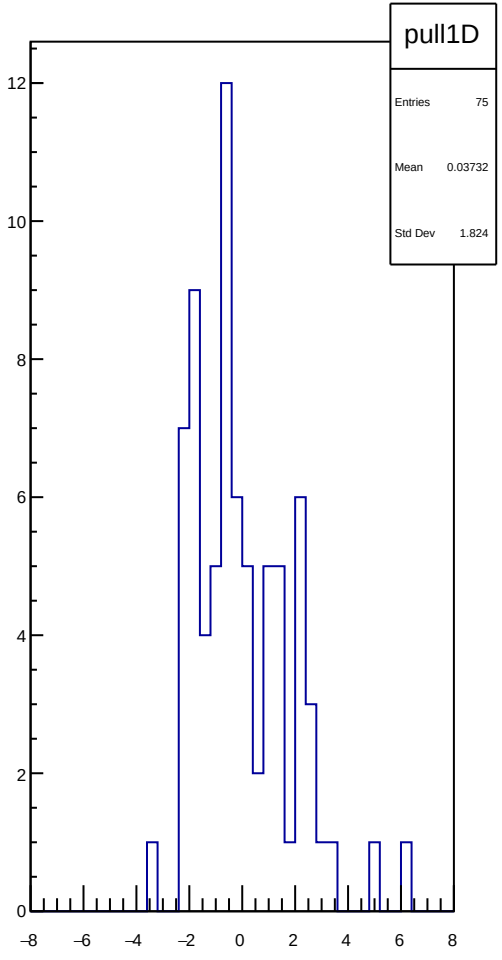

diff_bpm0l09Y_rms vs run
χ² / ndf 2635 / 74
p0 1156 ± 0.9512
1350
1300
1250
1200
1150
1100

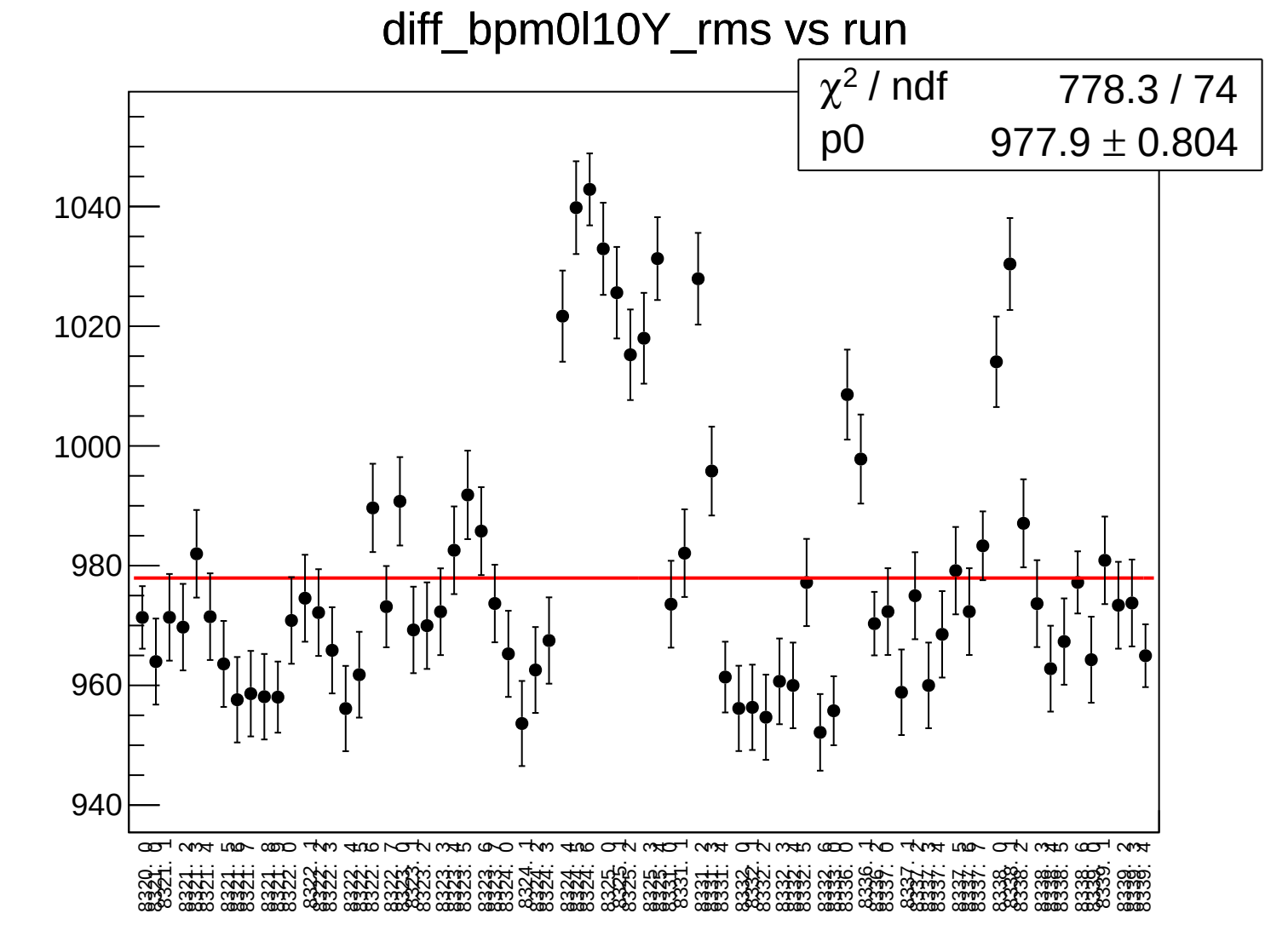

diff_bpm0l10X_mean vs run
χ² / ndf 76.41 / 74
p0 −77.67 ± 9.489
pull
Entries 75
Mean −623.4
Std Dev 0

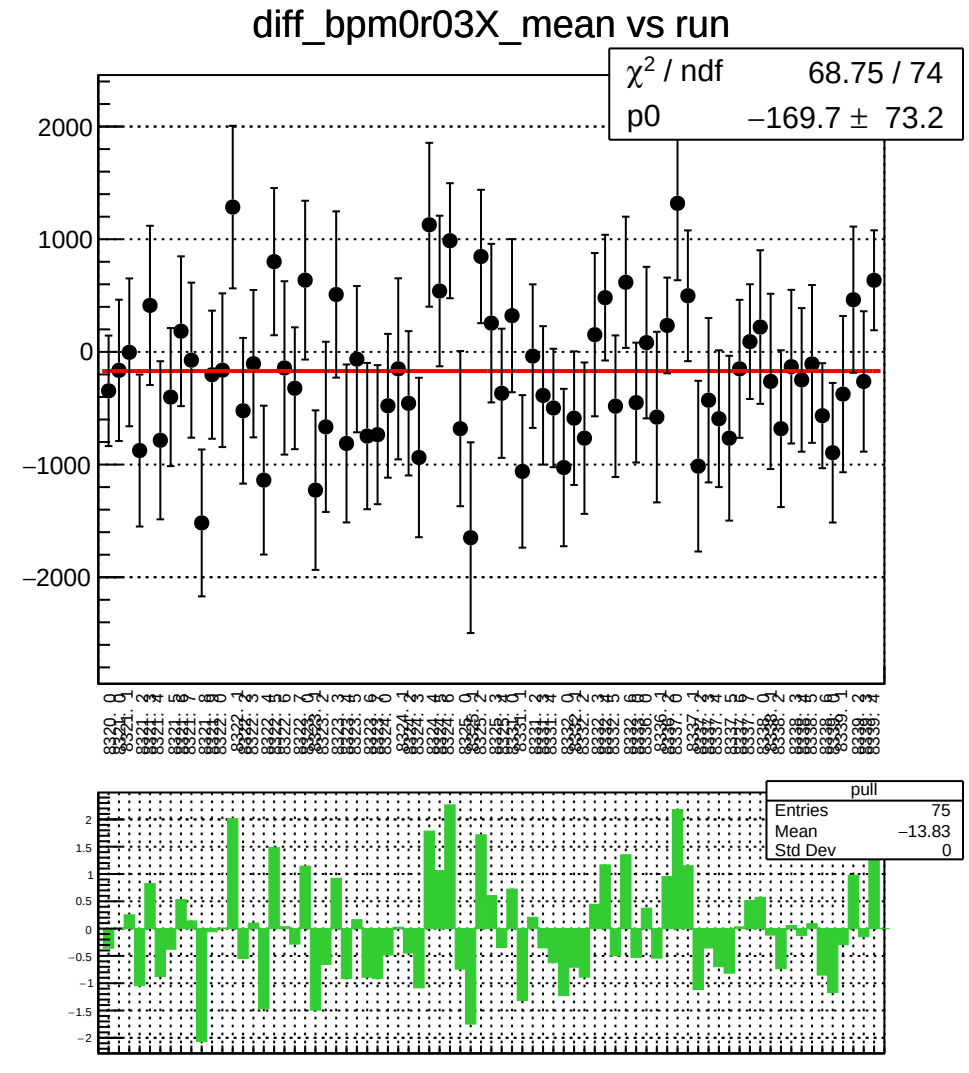

pull1D
Entries 75
Mean −0.004776
Std Dev 1.009

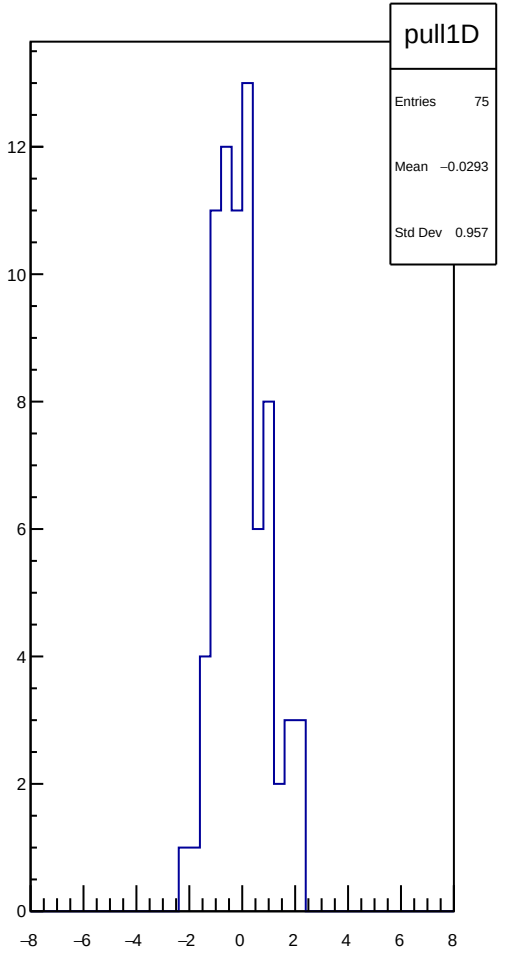

diff_bpm0l10X_rms vs run
χ² / ndf 2.167e+04 / 74
p0 8103 ± 6.709
12000
11000
10000
9000
8000
7000
6000

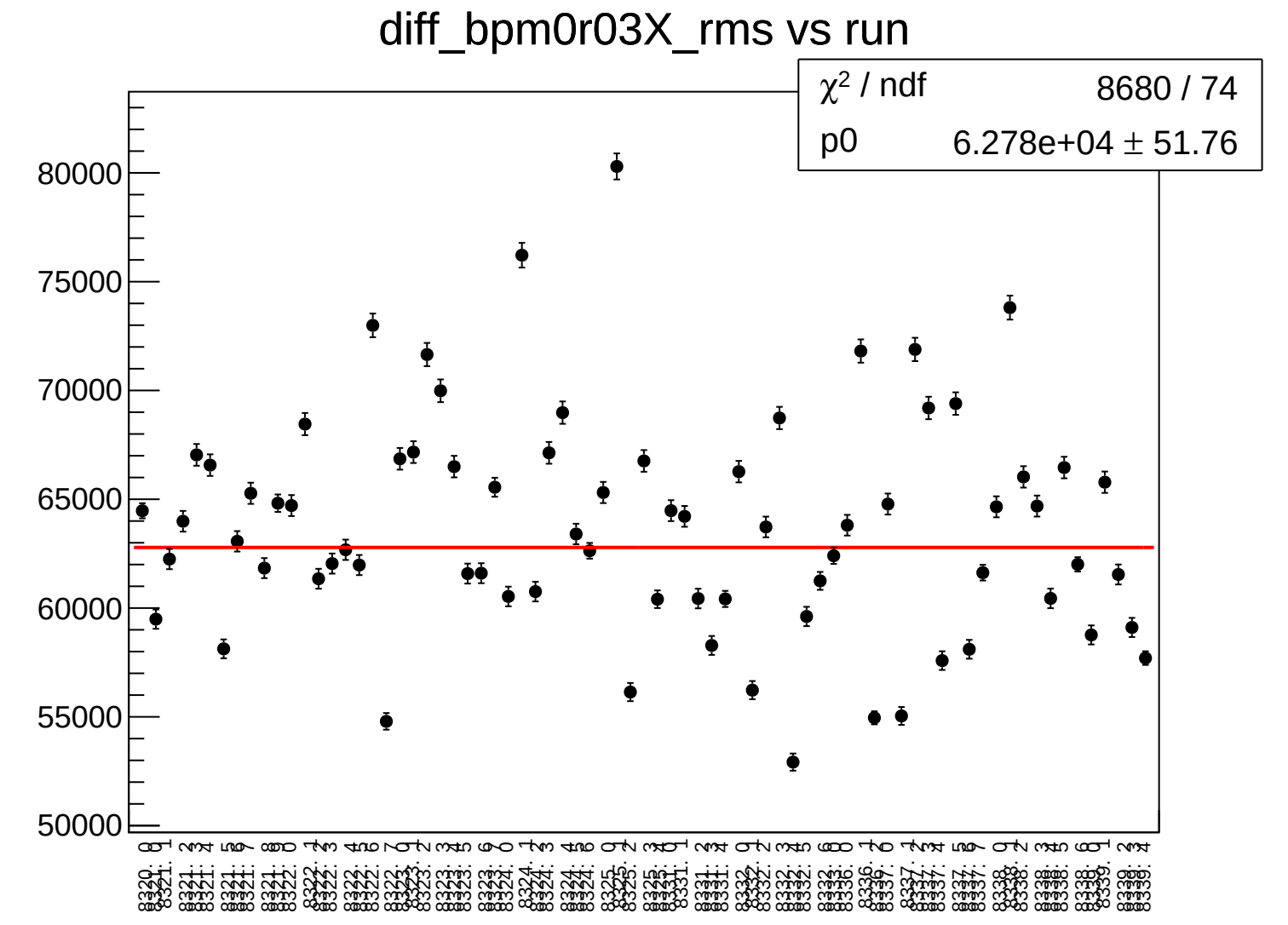

diff_bpm0l10Y_mean vs run
χ² / ndf 249.6 / 74
p0 −27 ± 1.137
pull
Entries 75
Mean 119.7
Std Dev 0

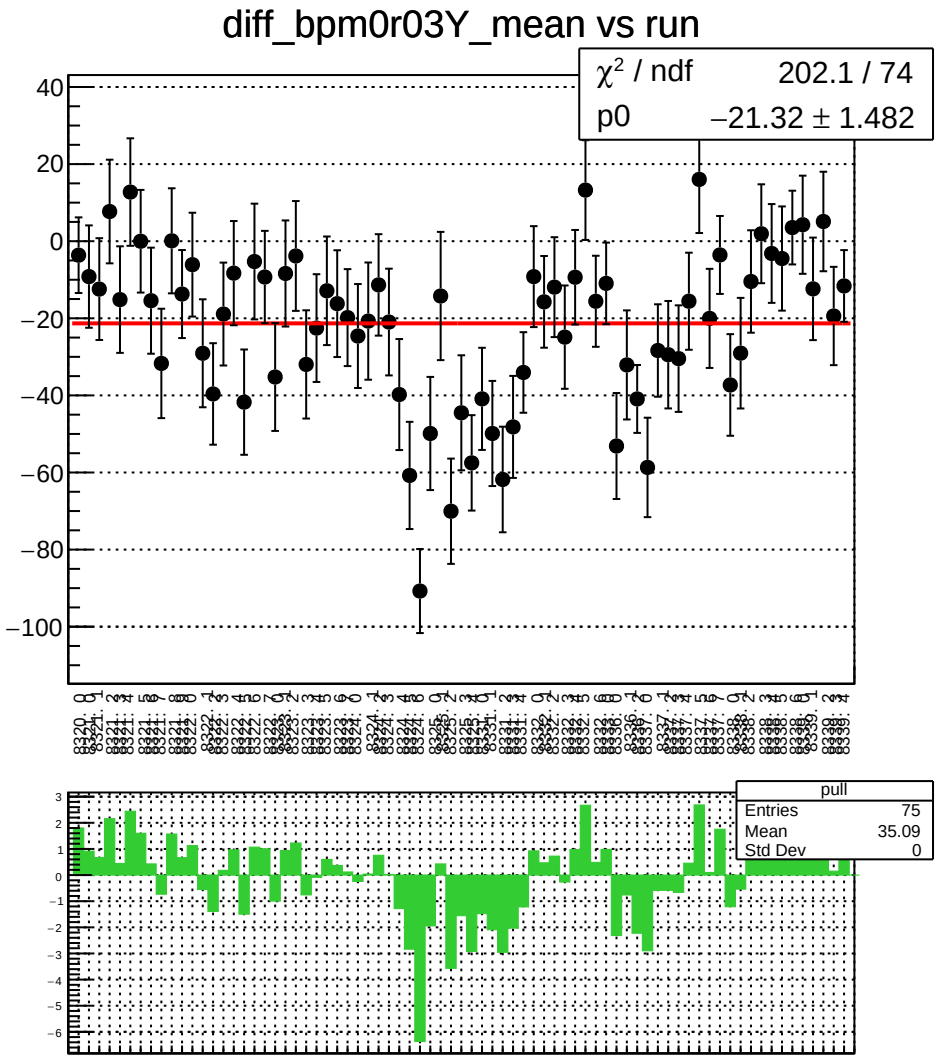

pull1D
Entries 75
Mean 0.03732
Std Dev 1.824

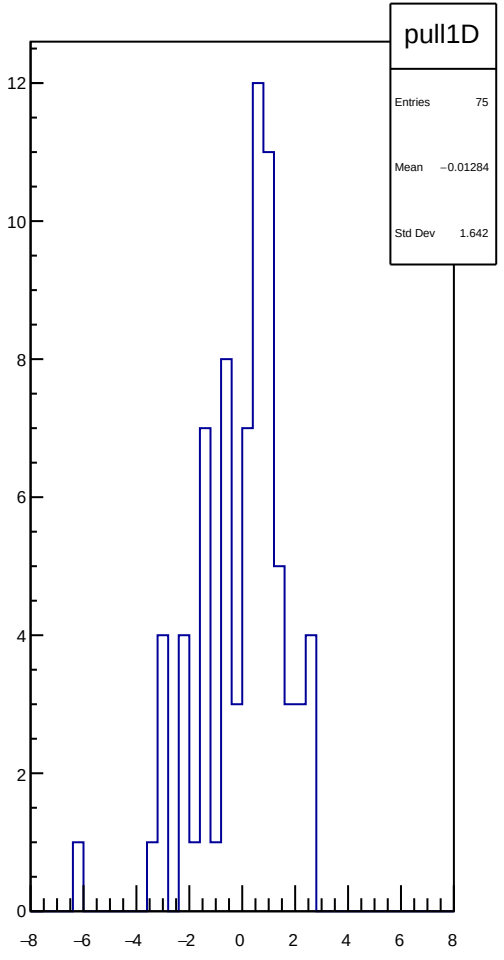

diff_bpm0l10Y_rms vs run
χ² / ndf 778.3 / 74
p0 977.9 ± 0.804
1040
1020
1000
980
960
940

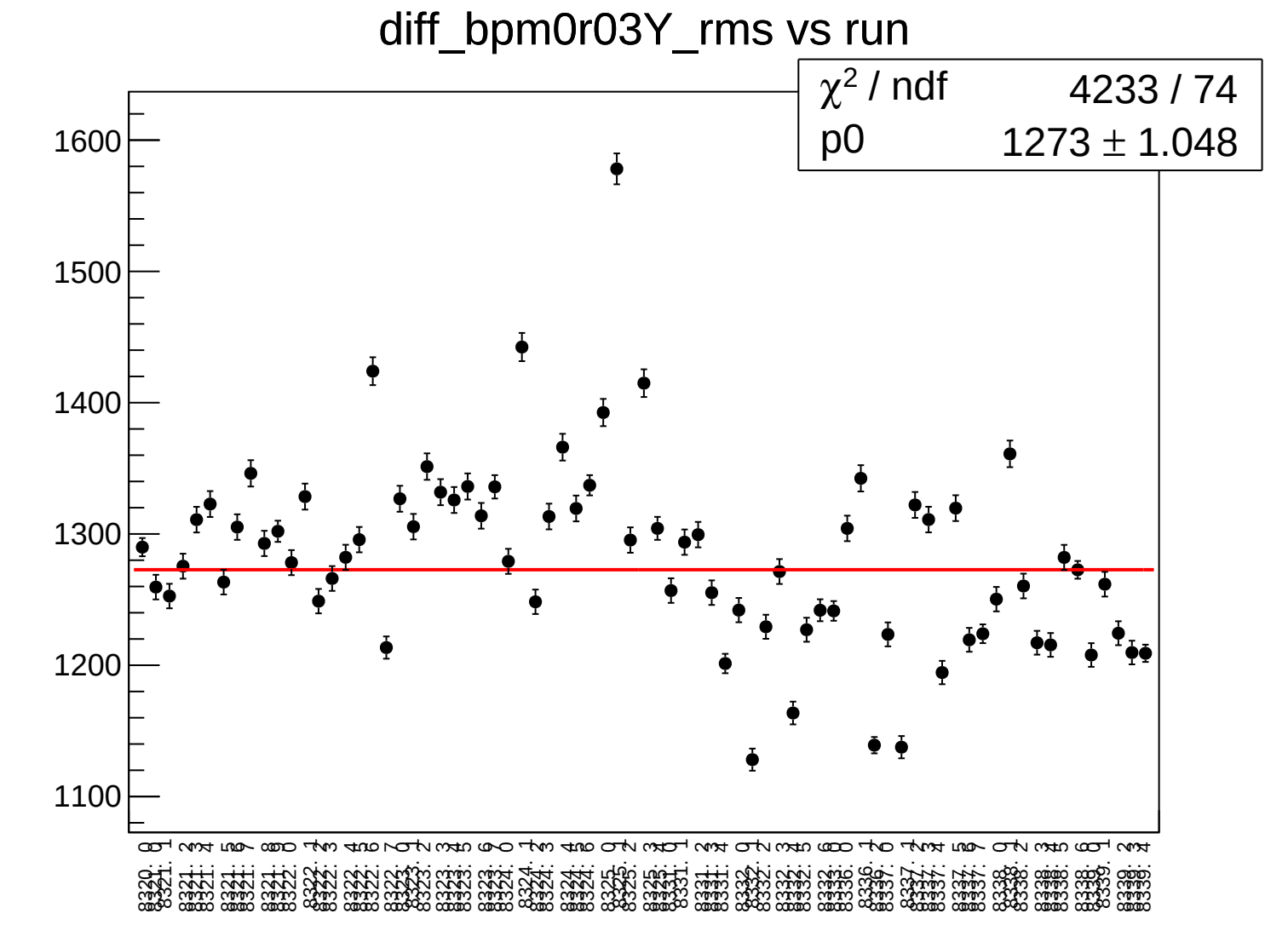

diff_bpm0r03X_mean vs run
χ² / ndf 68.75 / 74
p0 −169.7 ± 73.2
2000
1000
0
−1000
−2000
pull
Entries 75
Mean −13.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

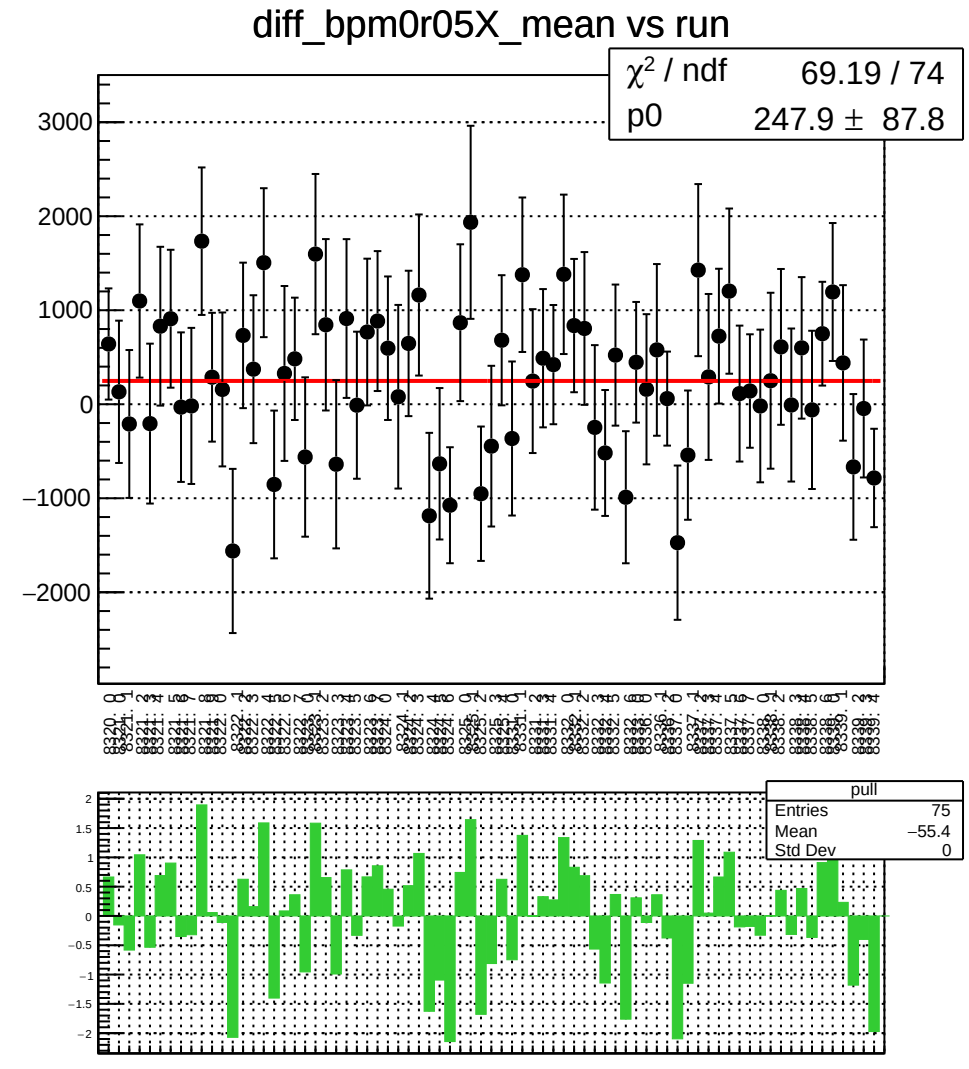

pull1D
Entries 75
Mean −0.0293
Std Dev 0.957
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

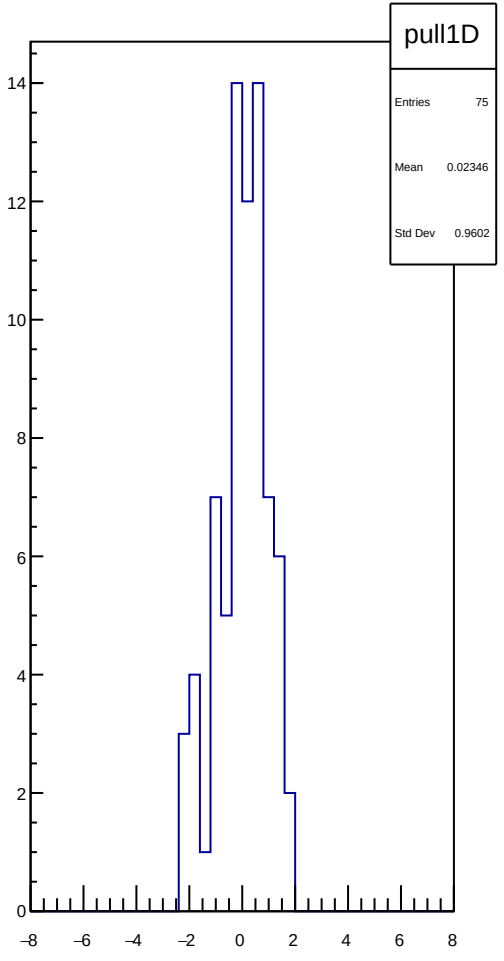

diff_bpm0r03X_rms vs run
χ² / ndf 8680 / 74
p0 6.278e+04 ± 51.76
80000
75000
70000
65000
60000
55000
50000

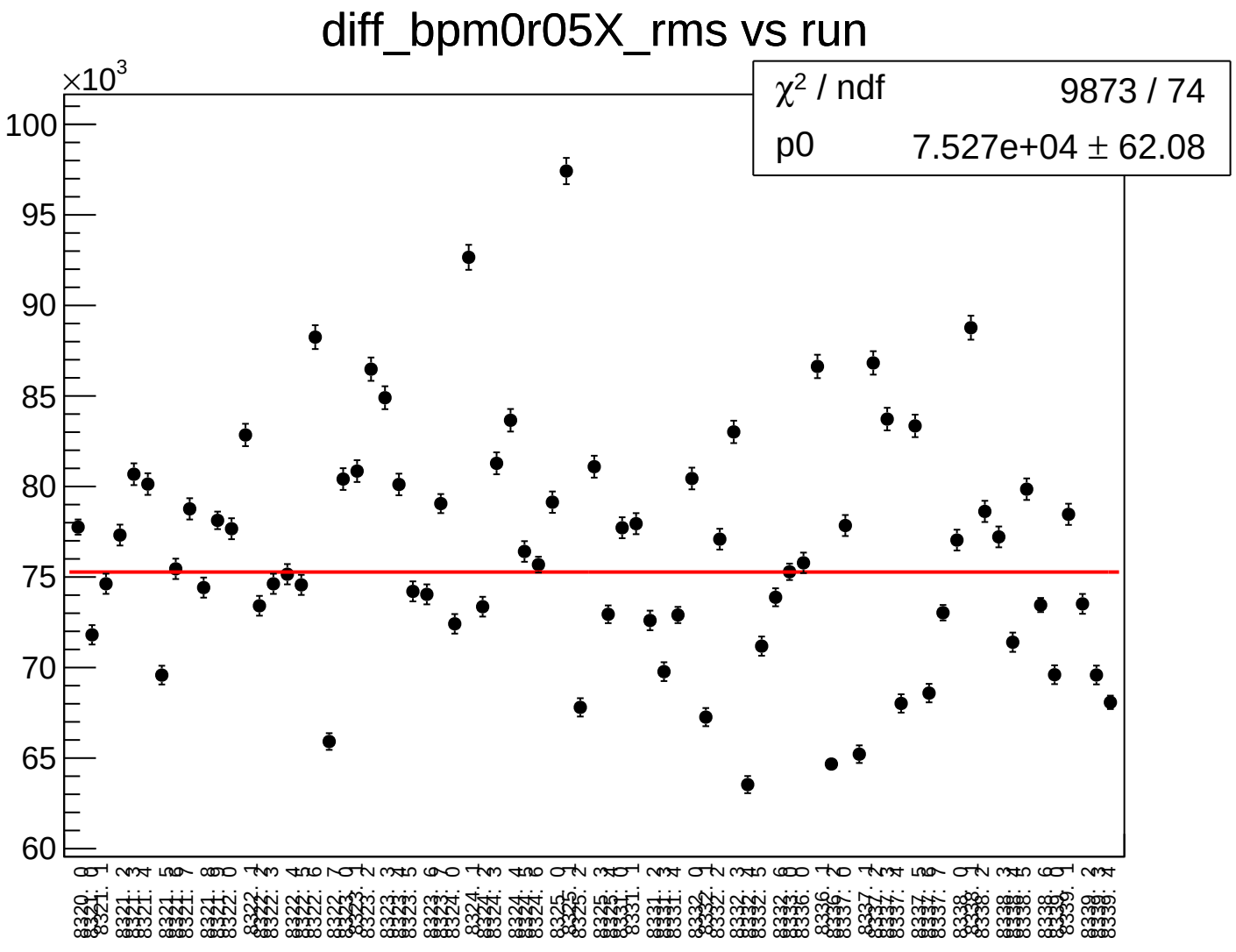

diff_bpm0r03Y_mean vs run
χ² / ndf 202.1 / 74
p0 −21.32 ± 1.482
pull
Entries 75
Mean 35.09
Std Dev 0

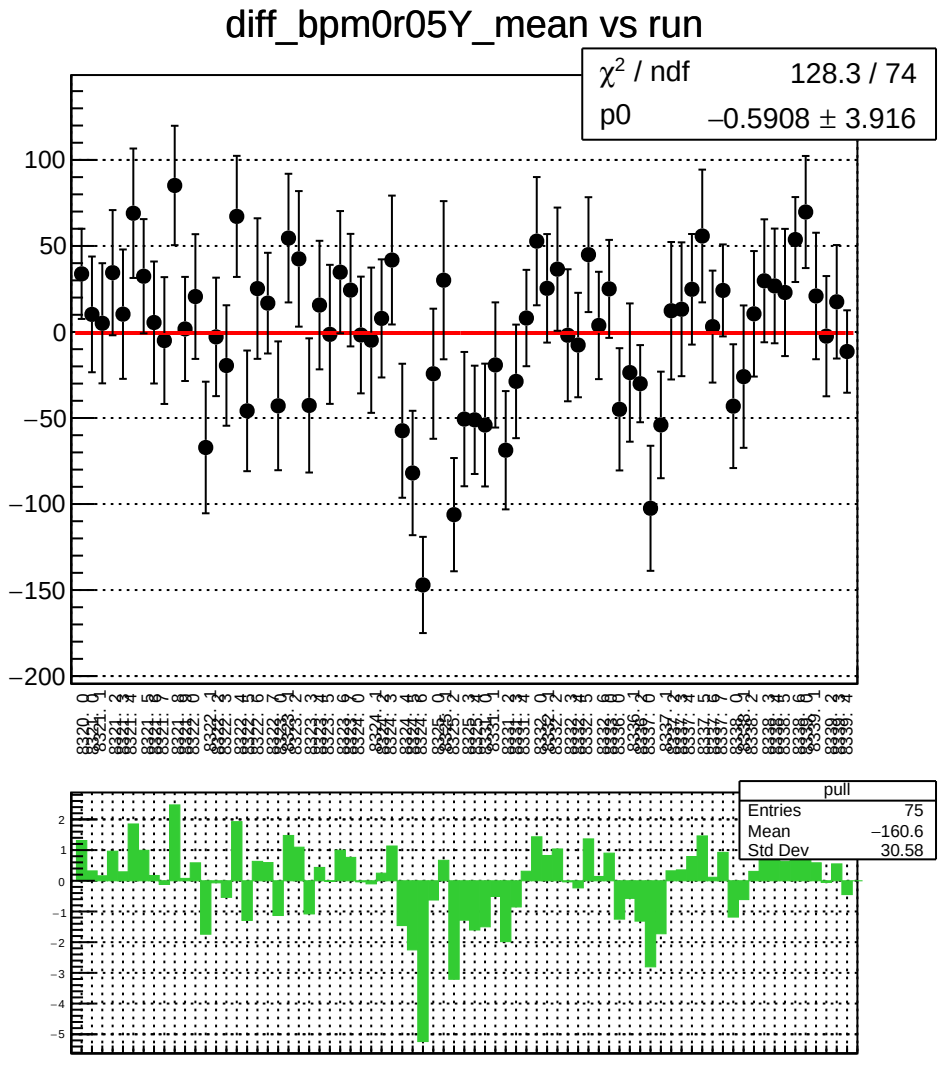

pull1D
Entries 75
Mean −0.01284
Std Dev 1.642

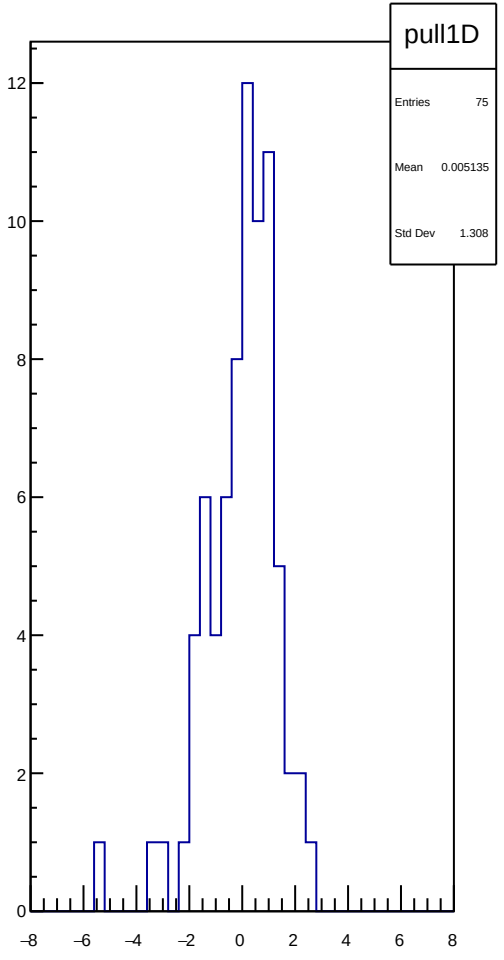

diff_bpm0r03Y_rms vs run
χ² / ndf 4233 / 74
p0 1273 ± 1.048
1600
1500
1400
1300
1200
1100

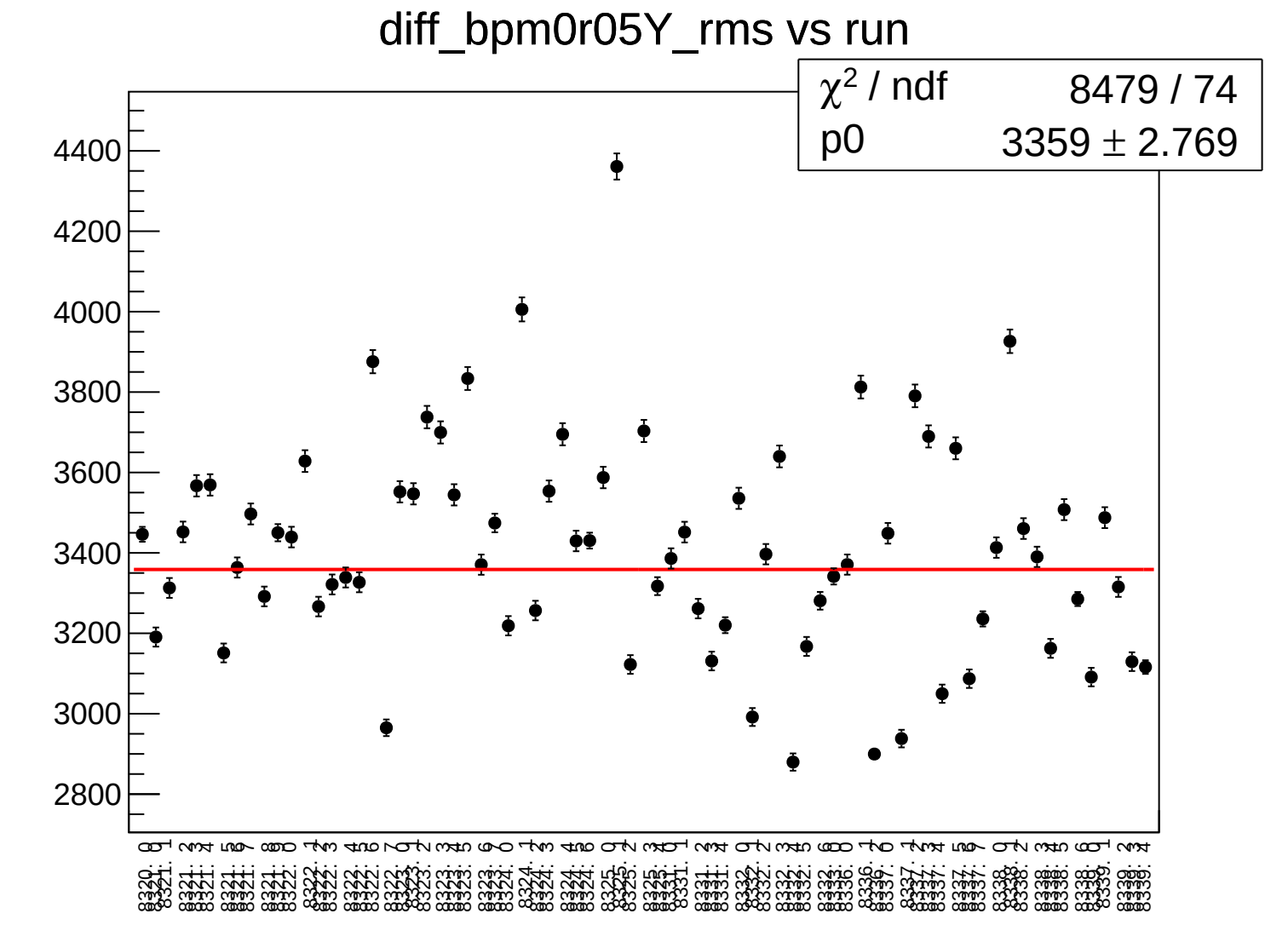

diff_bpm0r05X_mean vs run
χ² / ndf 69.19 / 74
p0 247.9 ± 87.8
3000
2000
1000
0
−1000
−2000
pull
Entries 75
Mean −55.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

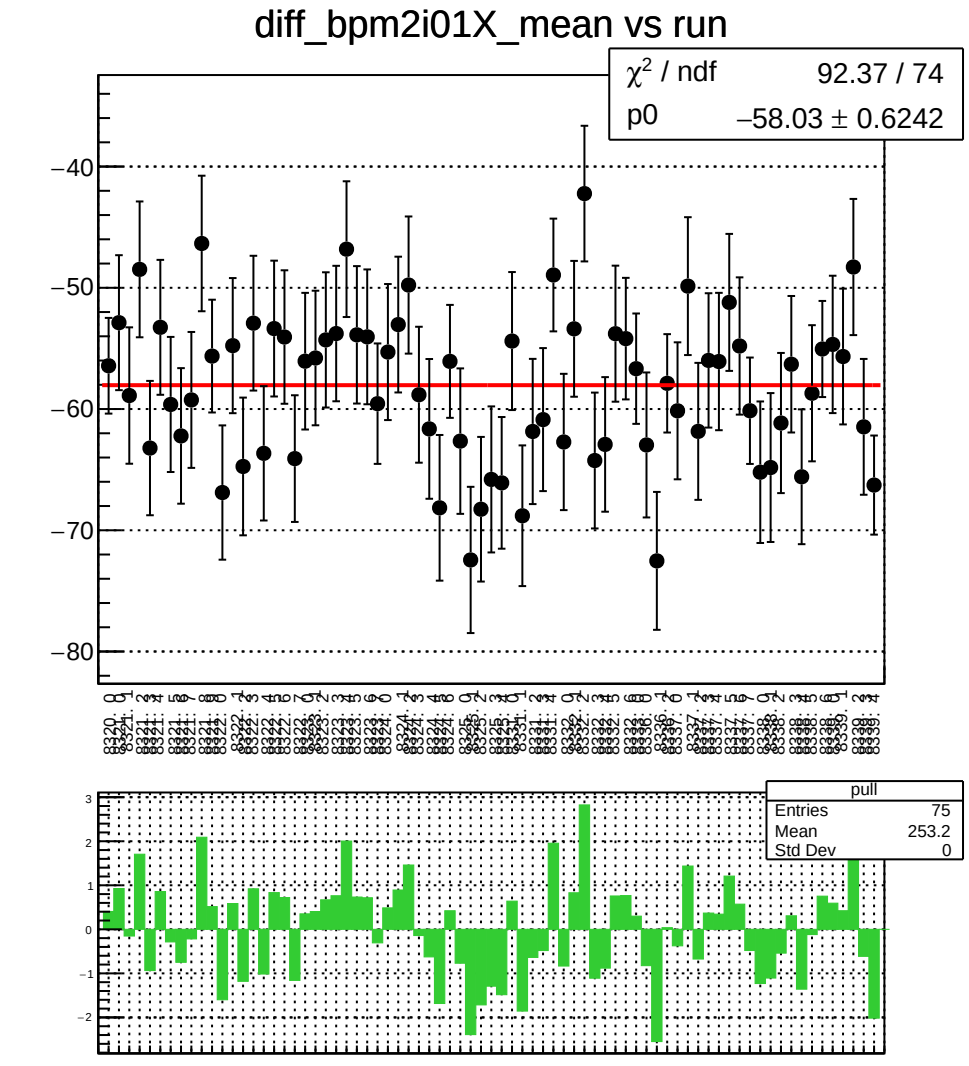

pull1D
Entries 75
Mean 0.02346
Std Dev 0.9602
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

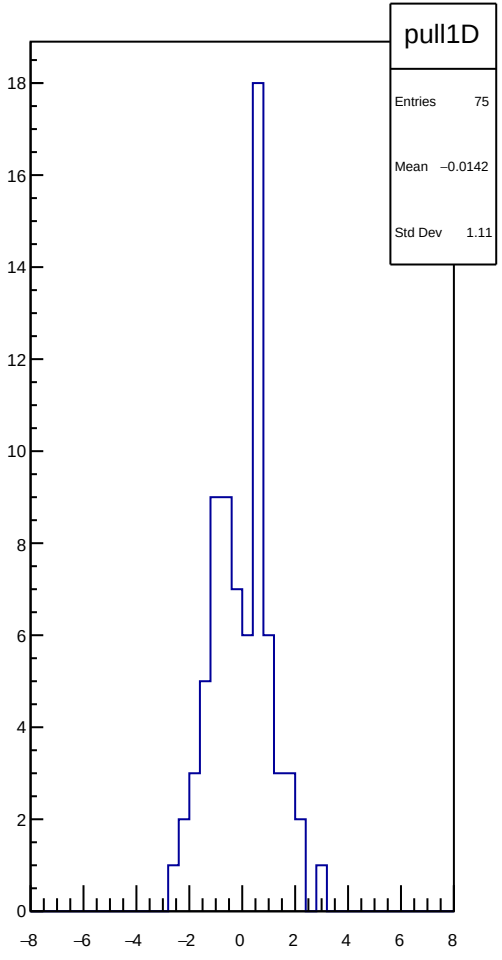

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 9873 / 74
p0 7.527e+04 ± 62.08
100
95
90
85
80
75
70
65
60

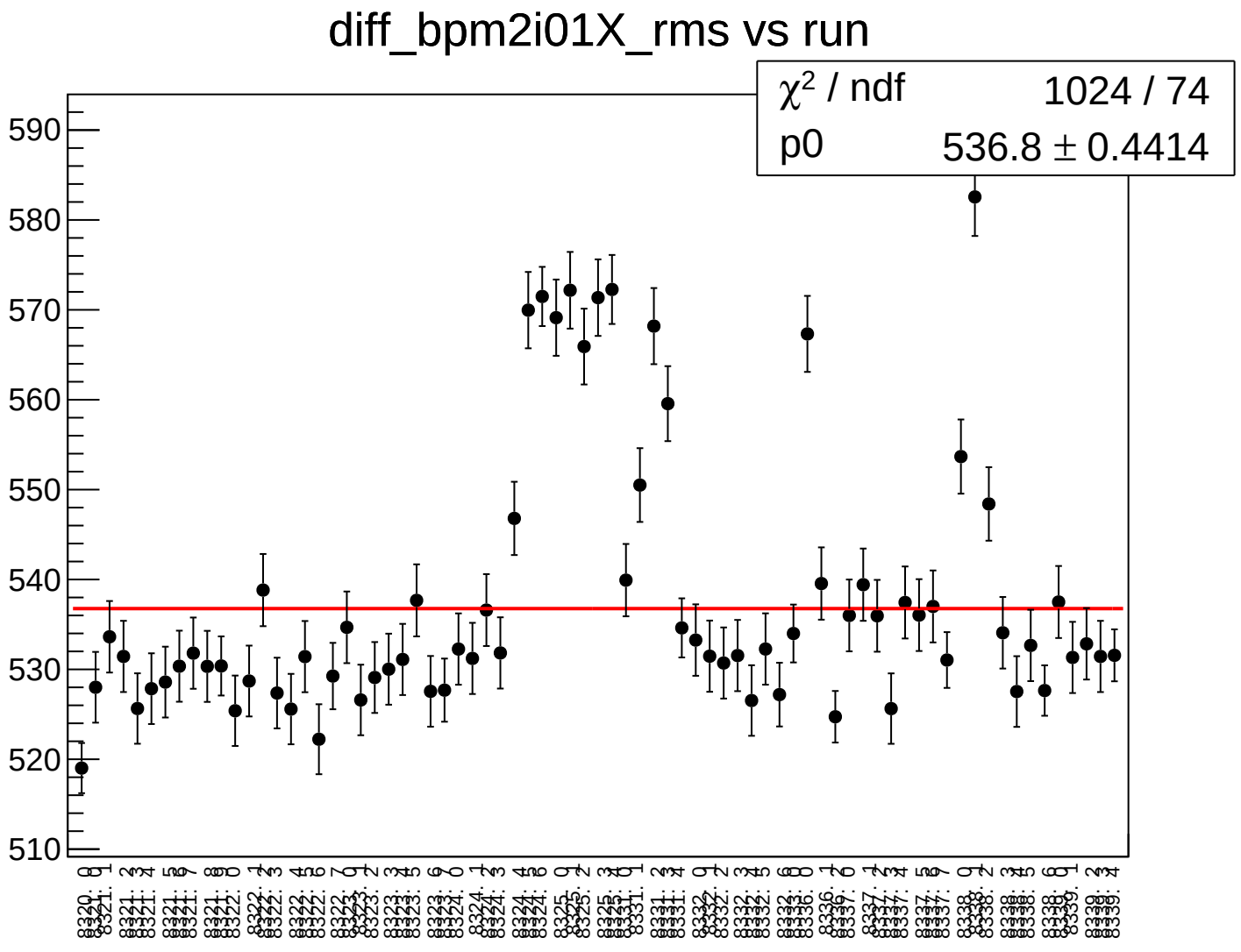

diff_bpm0r05Y_mean vs run
χ² / ndf 128.3 / 74
p0 −0.5908 ± 3.916
pull
Entries 75
Mean −160.6
Std Dev 30.58

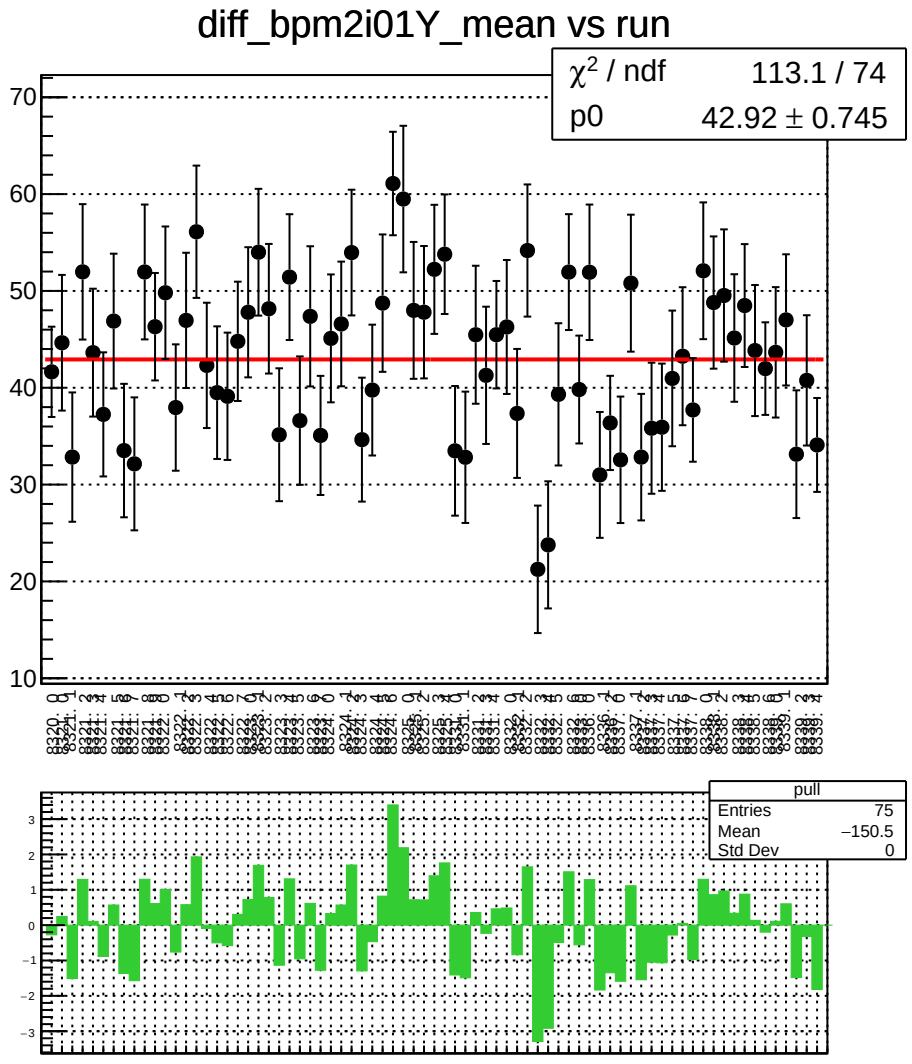

pull1D
Entries 75
Mean 0.005135
Std Dev 1.308

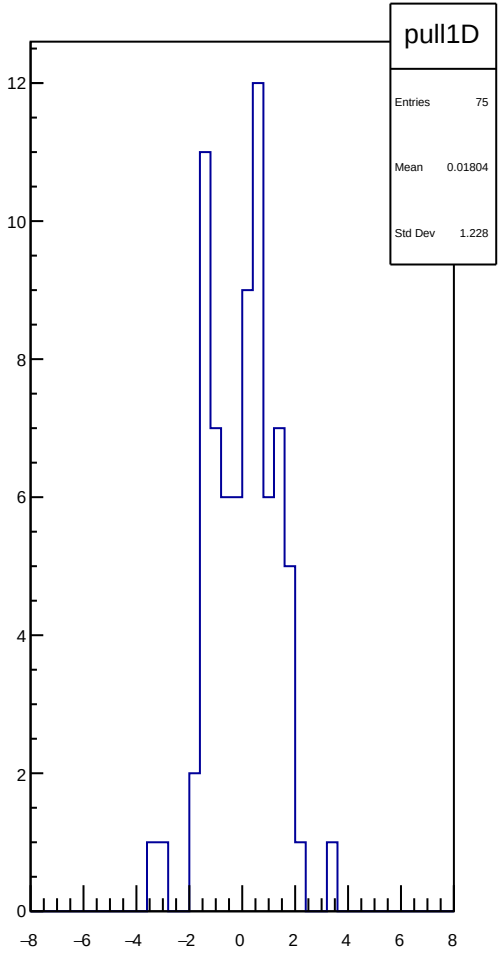

diff_bpm0r05Y_rms vs run
χ² / ndf 8479 / 74
p0 3359 ± 2.769
4400
4200
4000
3800
3600
3400
3200
3000
2800

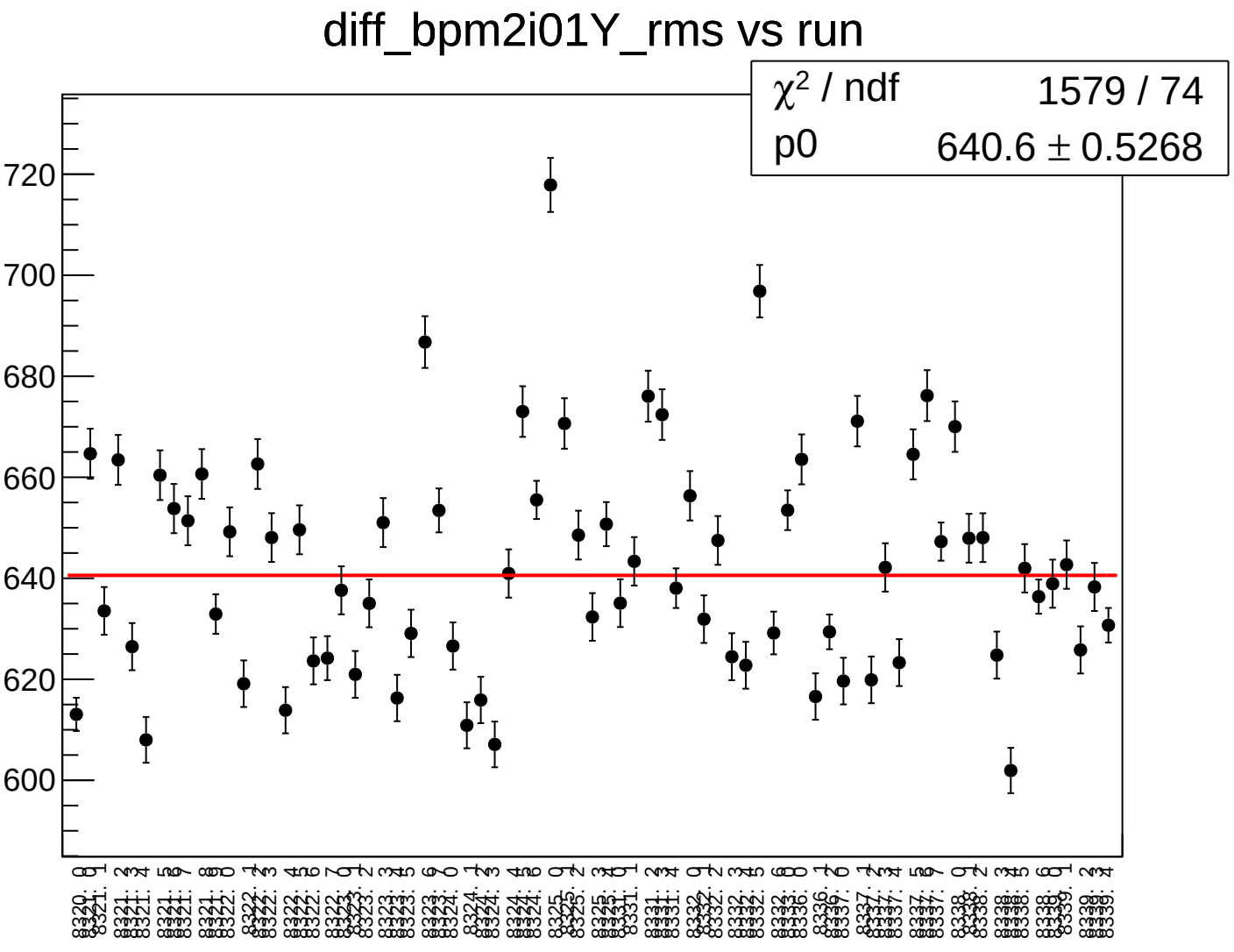

diff_bpm2i01X_mean vs run
χ² / ndf 92.37 / 74
p0 −58.03 ± 0.6242
pull
Entries 75
Mean 253.2
Std Dev 0

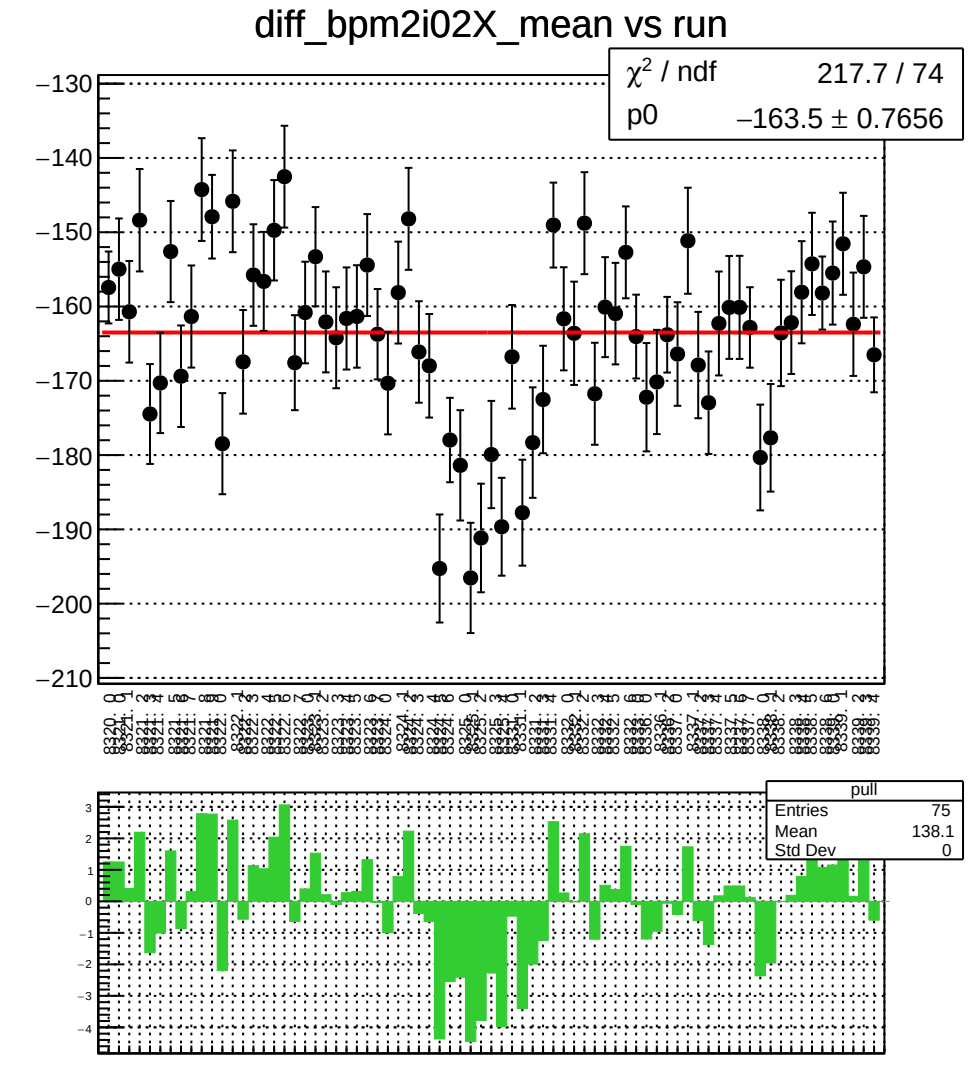

pull1D
Entries 75
Mean −0.0142
Std Dev 1.11

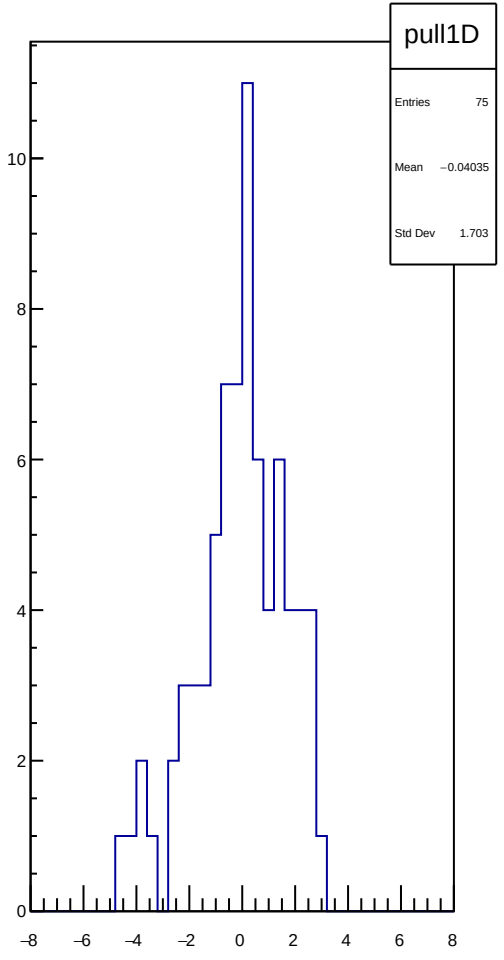

diff_bpm2i01X_rms vs run
χ^2 / ndf 1024 / 74
p0 536.8 ± 0.4414
590
580
570
560
550
540
530
520
510

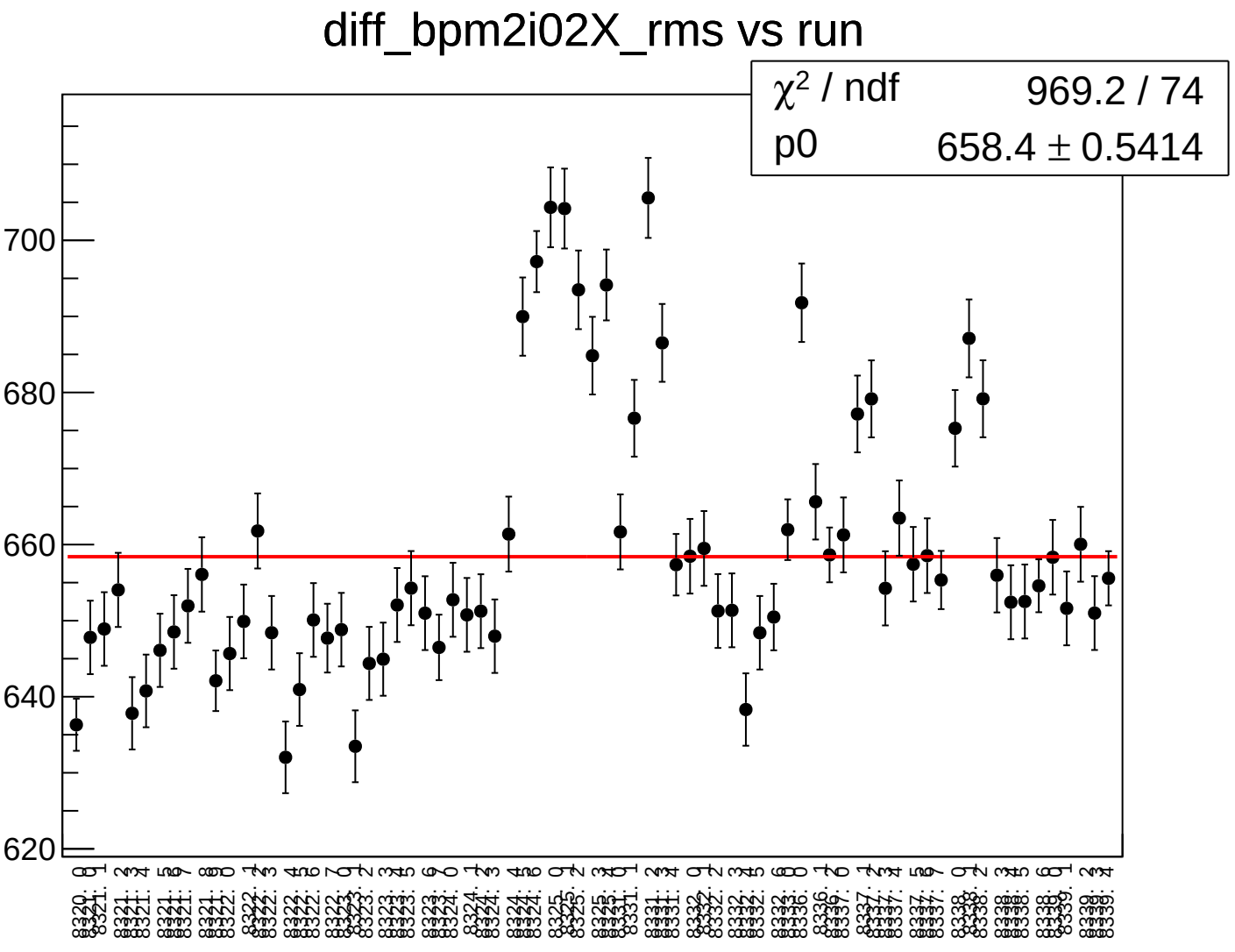

diff_bpm2i01Y_mean vs run
χ² / ndf 113.1 / 74
p0 42.92 ± 0.745
pull
Entries 75
Mean −150.5
Std Dev 0

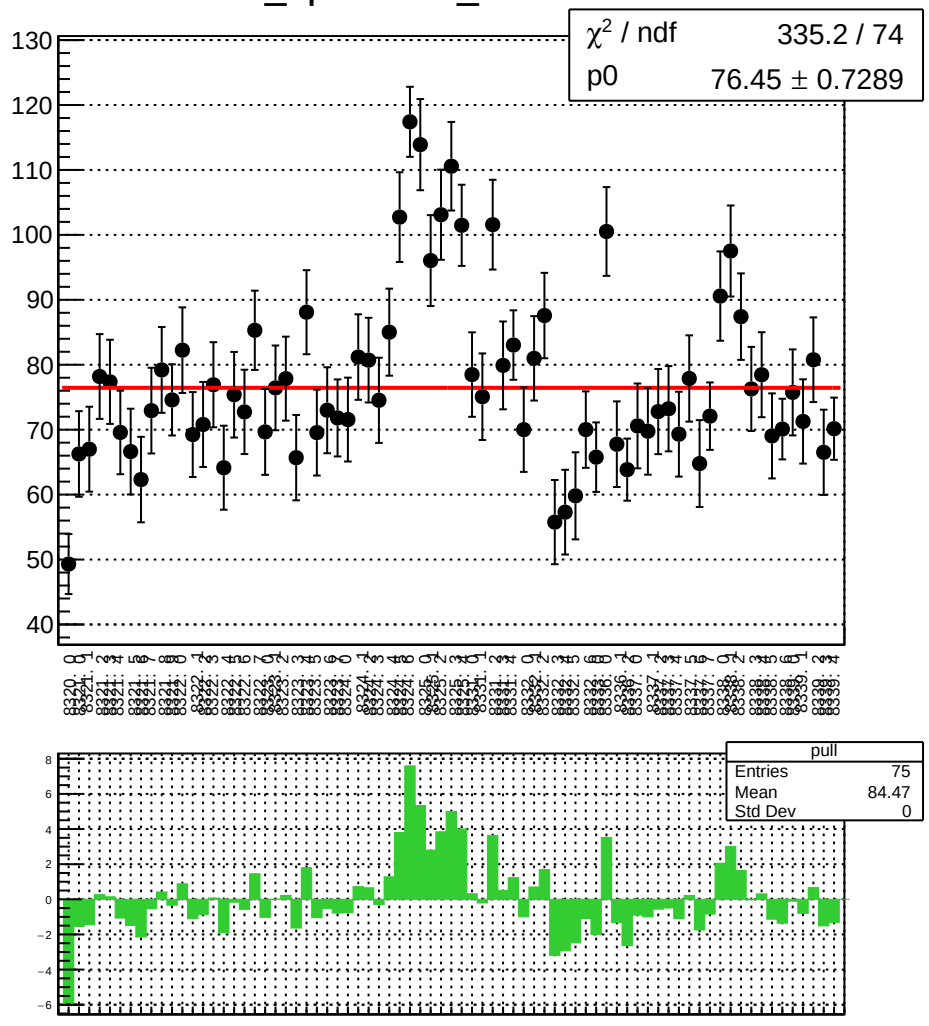

pull1D
Entries 75
Mean 0.01804
Std Dev 1.228

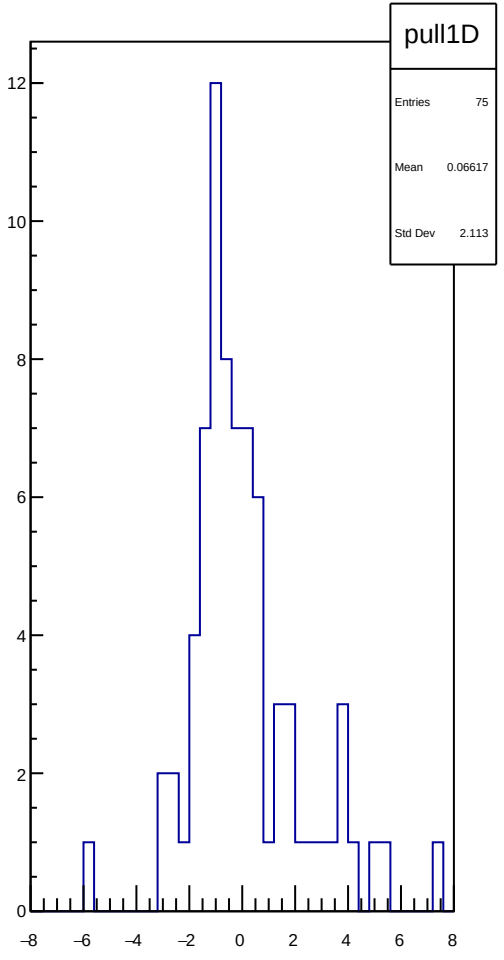

diff_bpm2i01Y_rms vs run
χ² / ndf 1579 / 74
p0 640.6 ± 0.5268
720
700
680
660
640
620
600

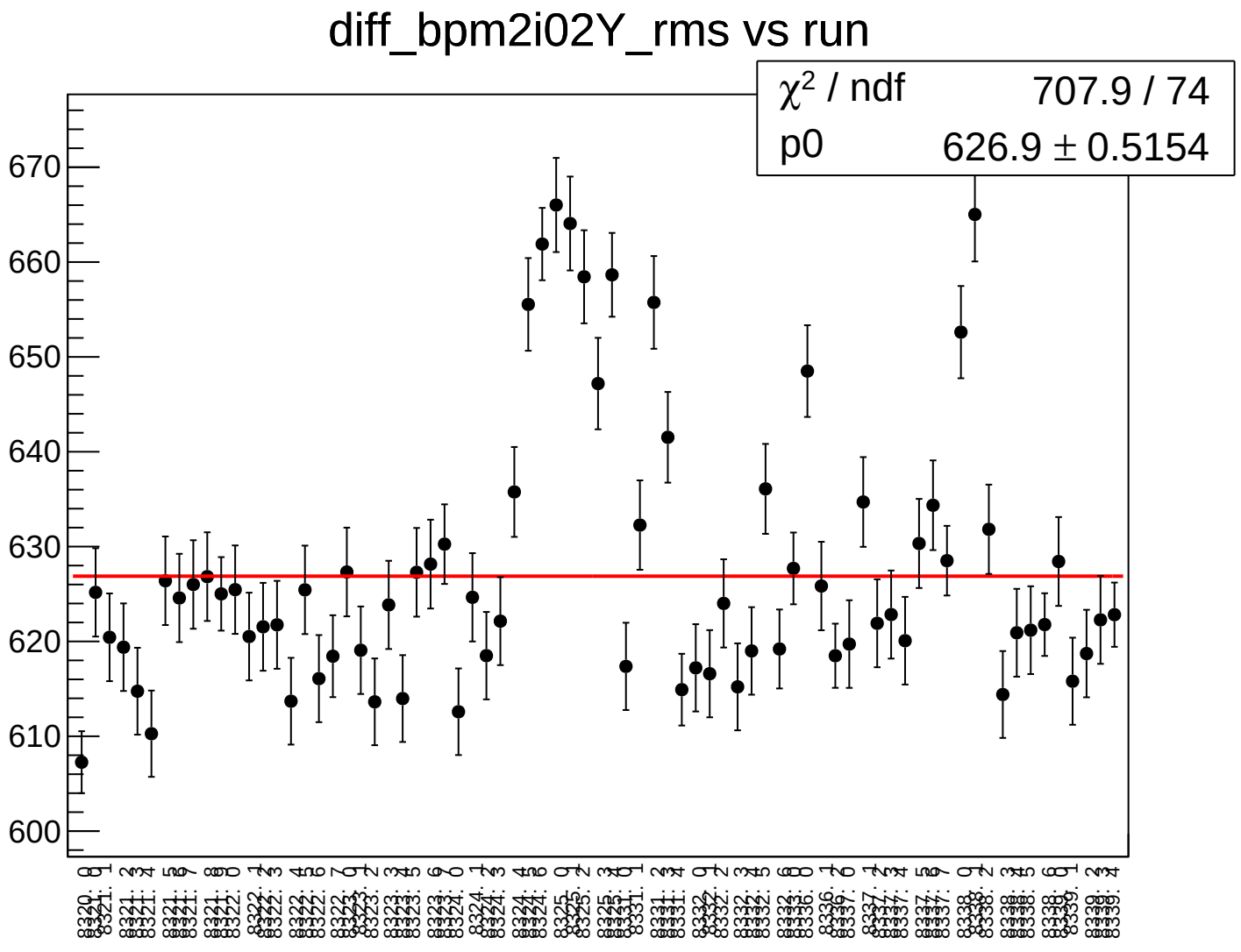

diff_bpm2i02X_mean vs run
χ² / ndf 217.7 / 74
p0 −163.5 ± 0.7656
pull
Entries 75
Mean 138.1
Std Dev 0

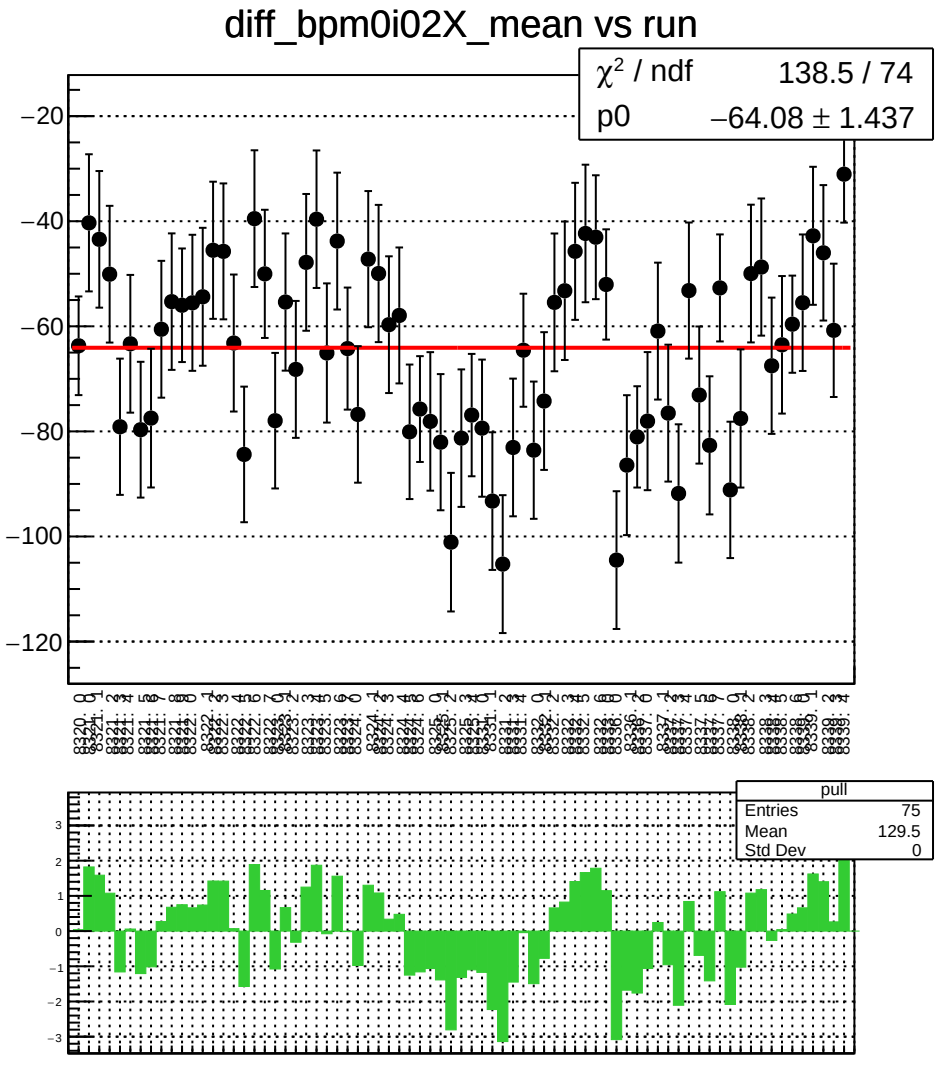

pull1D
Entries 75
Mean −0.04035
Std Dev 1.703

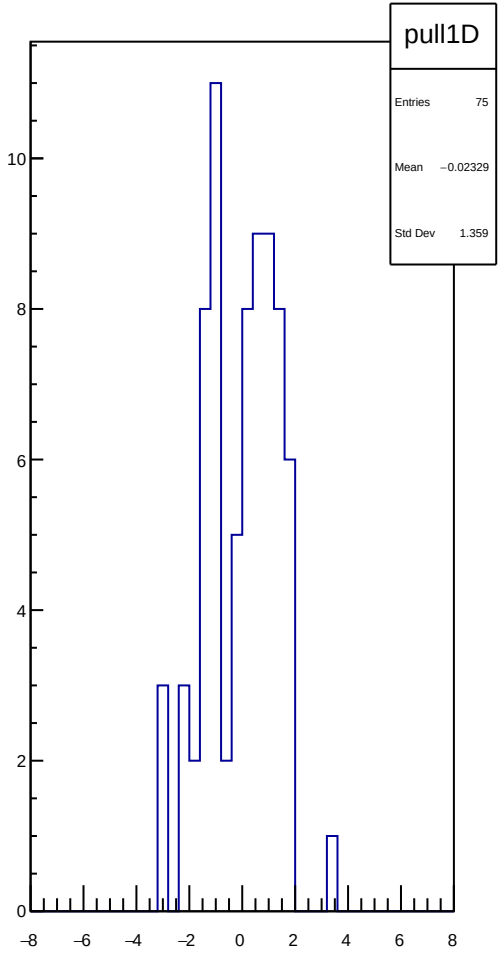

diff_bpm2i02X_rms vs run
χ² / ndf 969.2 / 74
p0 658.4 ± 0.5414
700
680
660
640
620

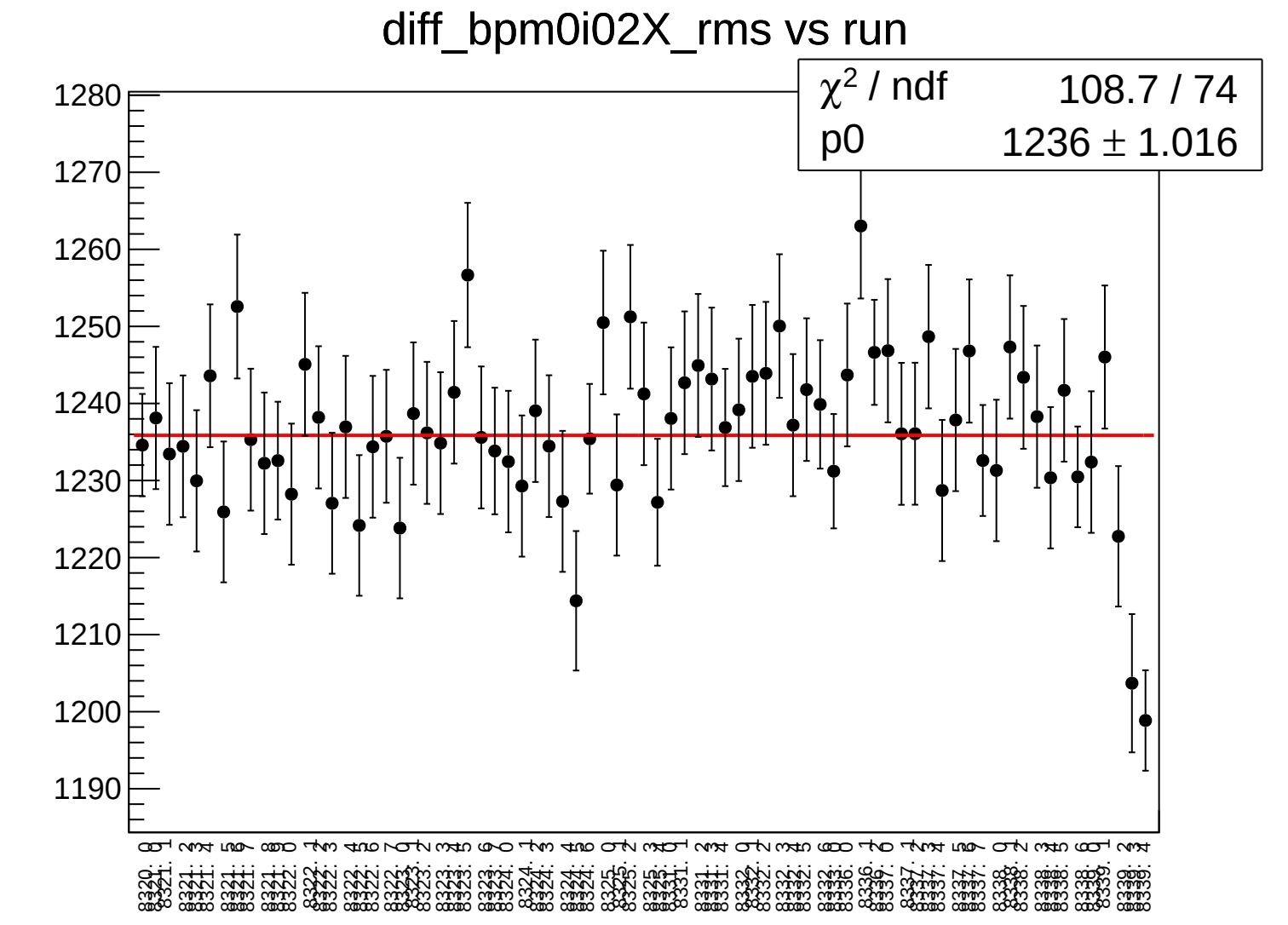

diff_bpm2i02Y_mean vs run
χ² / ndf 335.2 / 74
p0 76.45 ± 0.7289
pull
Entries 75
Mean 84.47
Std Dev 0

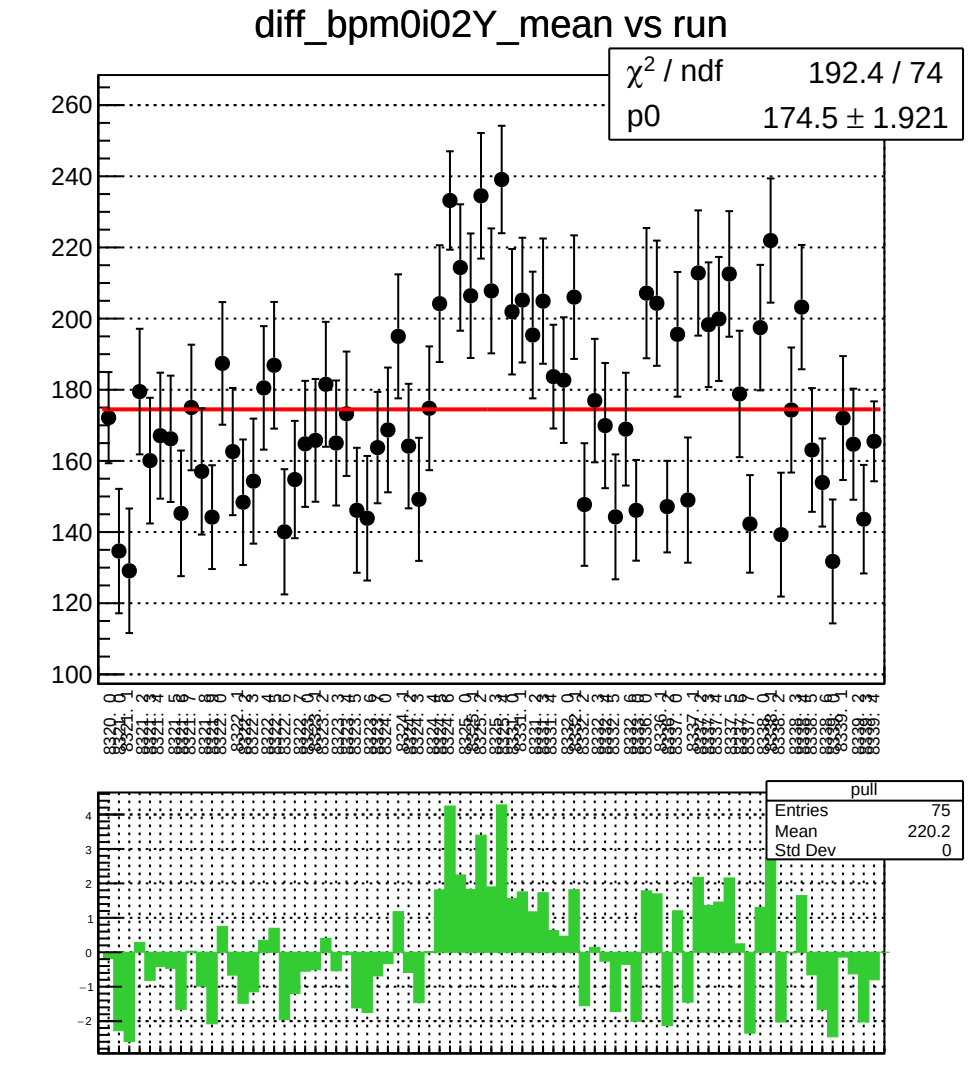

pull1D
Entries 75
Mean 0.06617
Std Dev 2.113

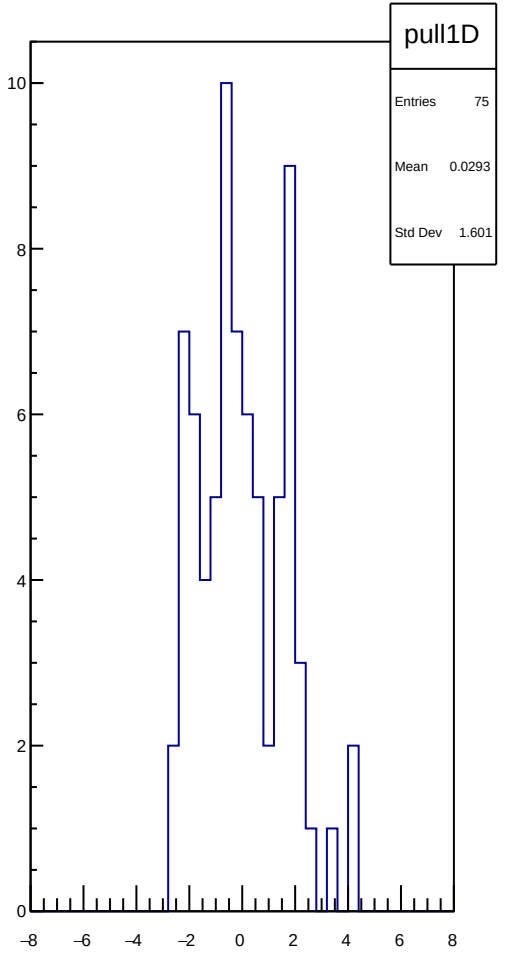

diff_bpm2i02Y_rms vs run
χ² / ndf 707.9 / 74
p0 626.9 ± 0.5154
670
660
650
640
630
620
610
600

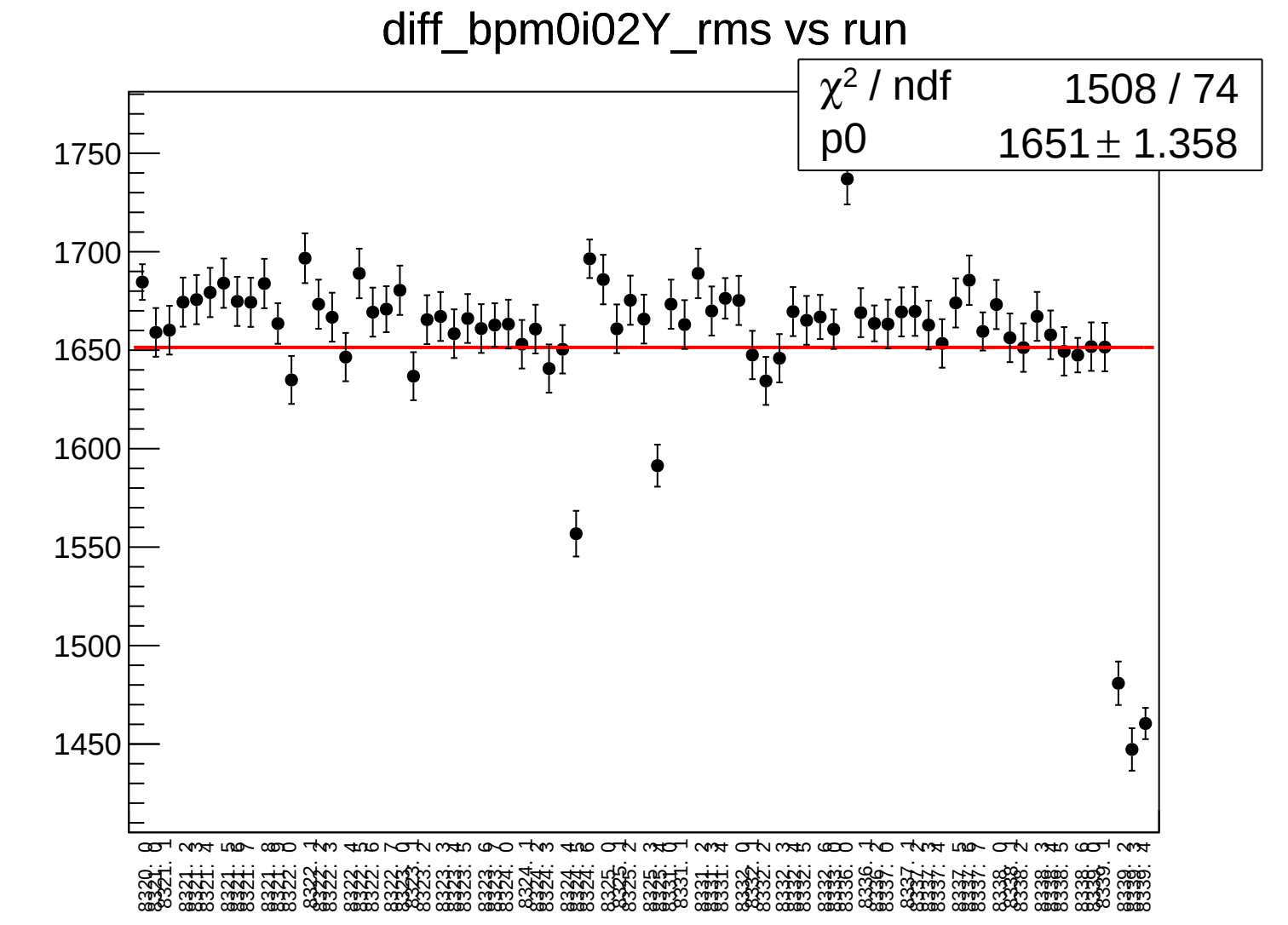

diff_bpm0i02X_mean vs run
χ² / ndf 138.5 / 74
p0 −64.08 ± 1.437
pull
Entries 75
Mean 129.5
Std Dev 0

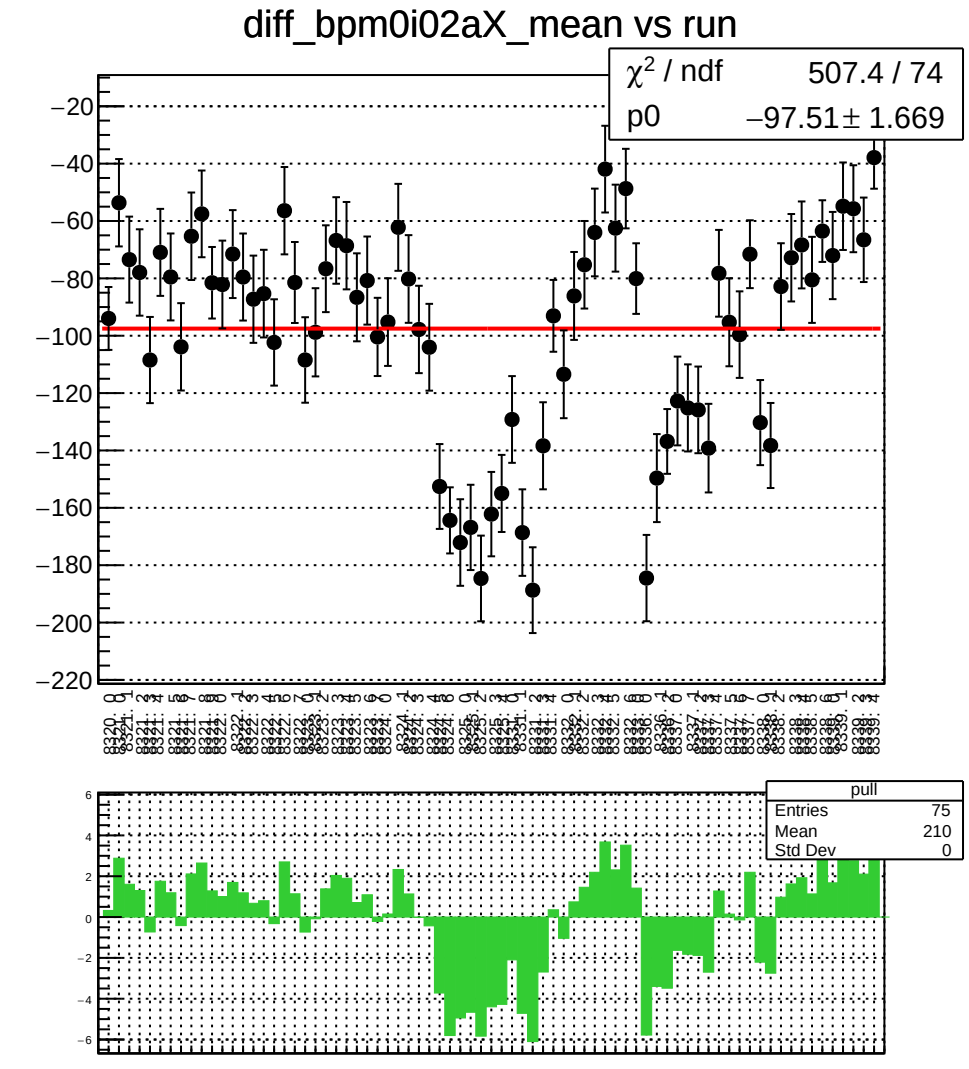

pull1D
Entries 75
Mean −0.02329
Std Dev 1.359

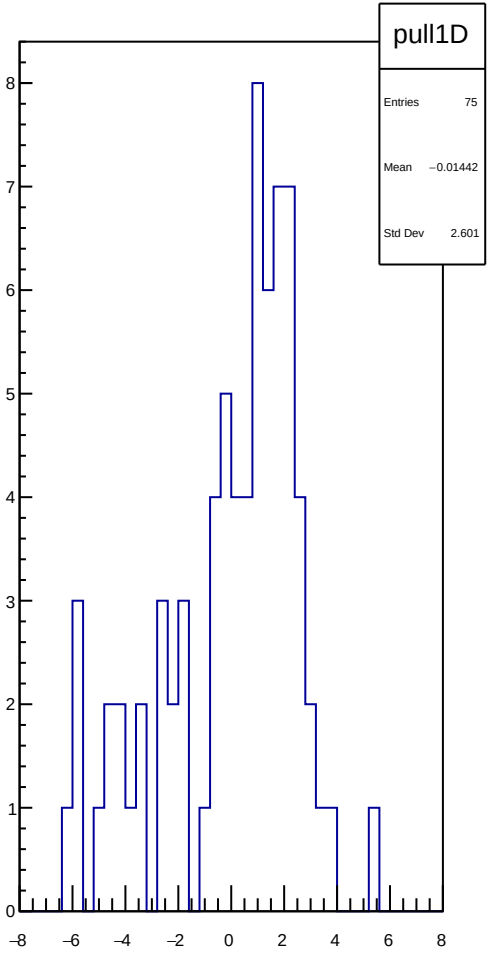

diff_bpm0i02X_rms vs run
χ² / ndf 108.7 / 74
p0 1236 ± 1.016
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190

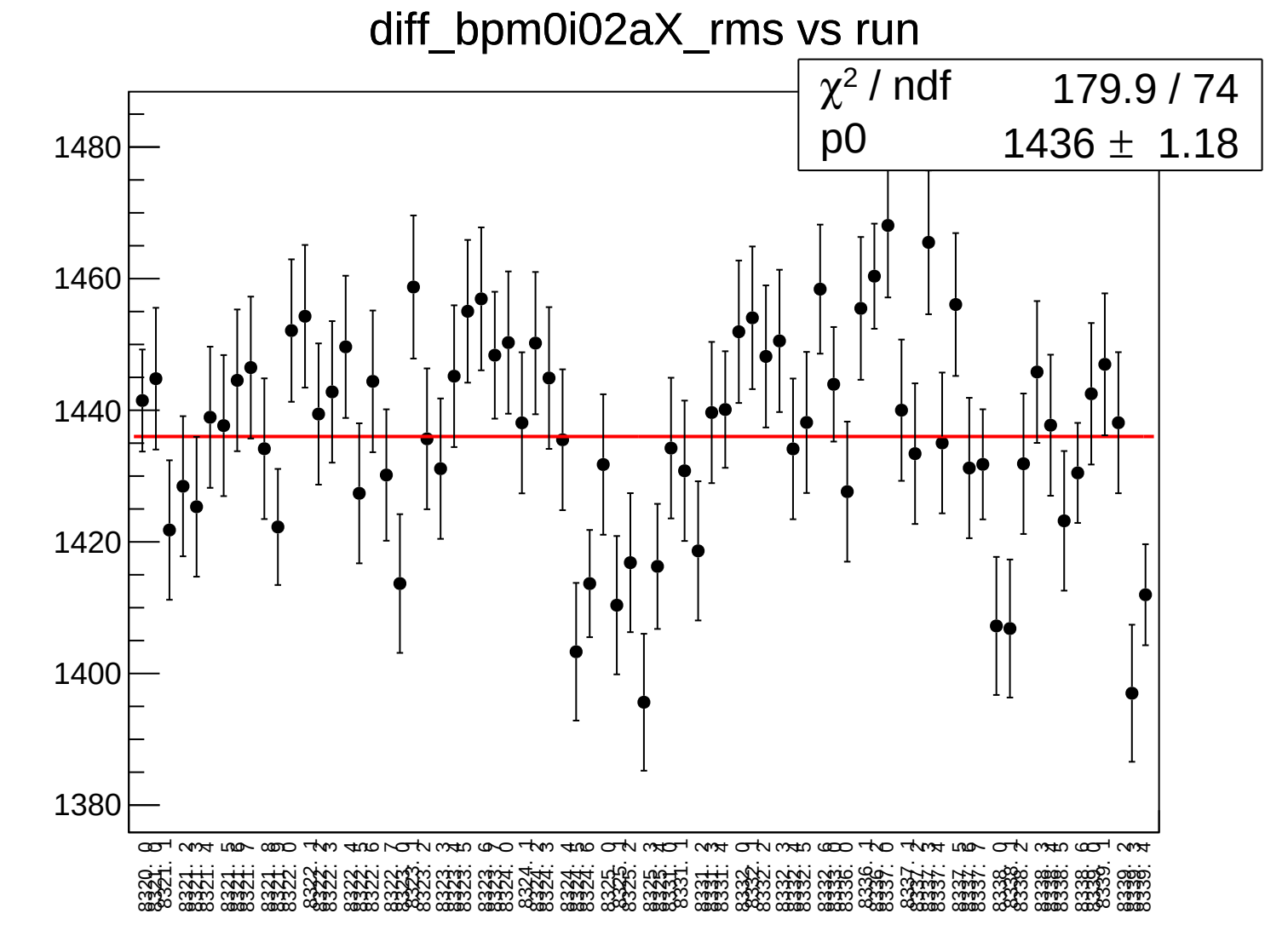

diff_bpm0i02Y_mean vs run
χ² / ndf 192.4 / 74
p0 174.5 ± 1.921
pull
Entries 75
Mean 220.2
Std Dev 0

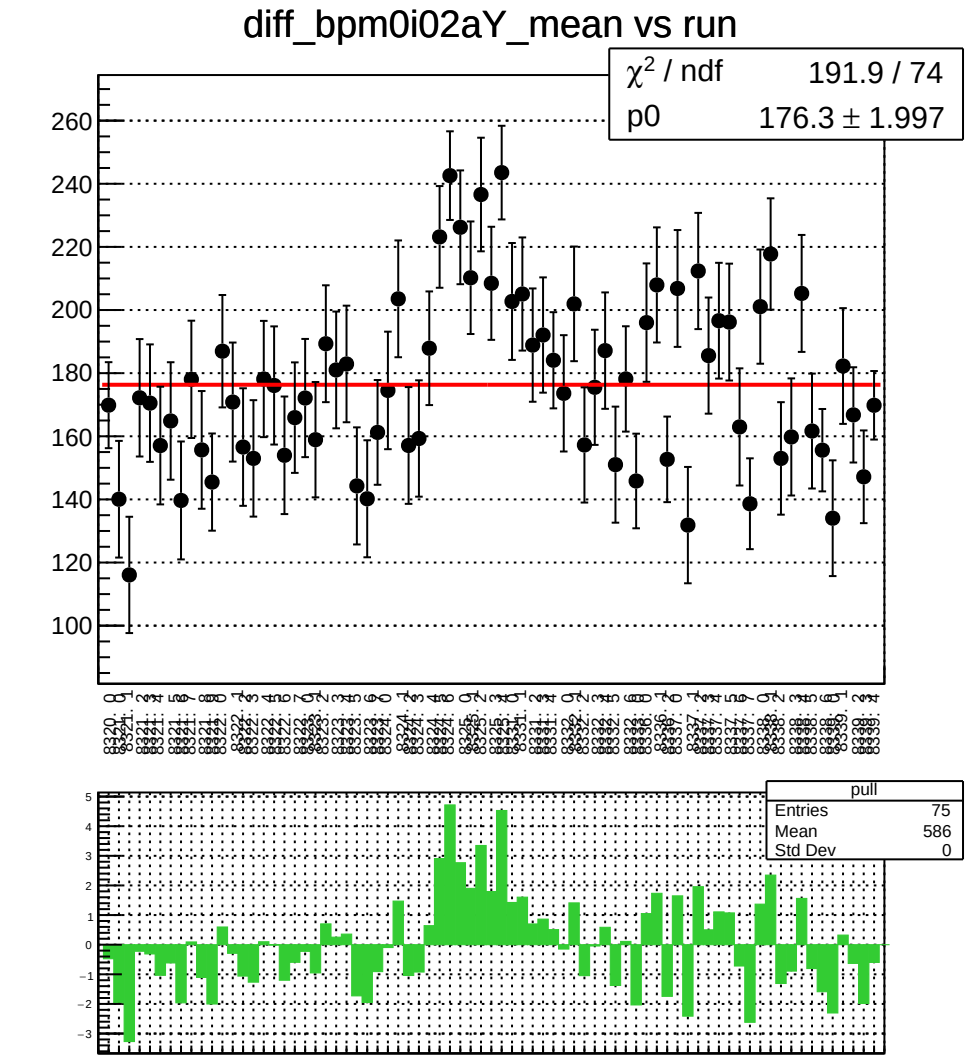

pull1D
Entries 75
Mean 0.0293
Std Dev 1.601

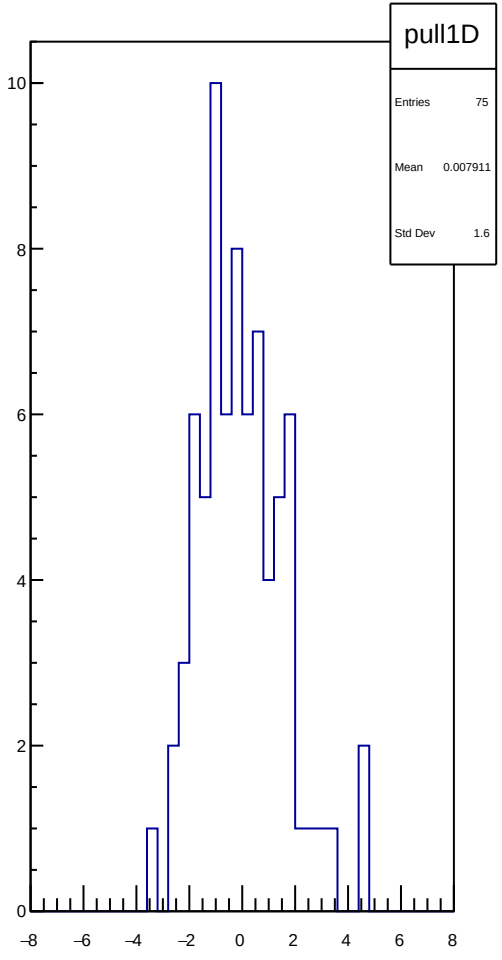

diff_bpm0i02Y_rms vs run
χ² / ndf 1508 / 74
p0 1651 ± 1.358
1750
1700
1650
1600
1550
1500
1450

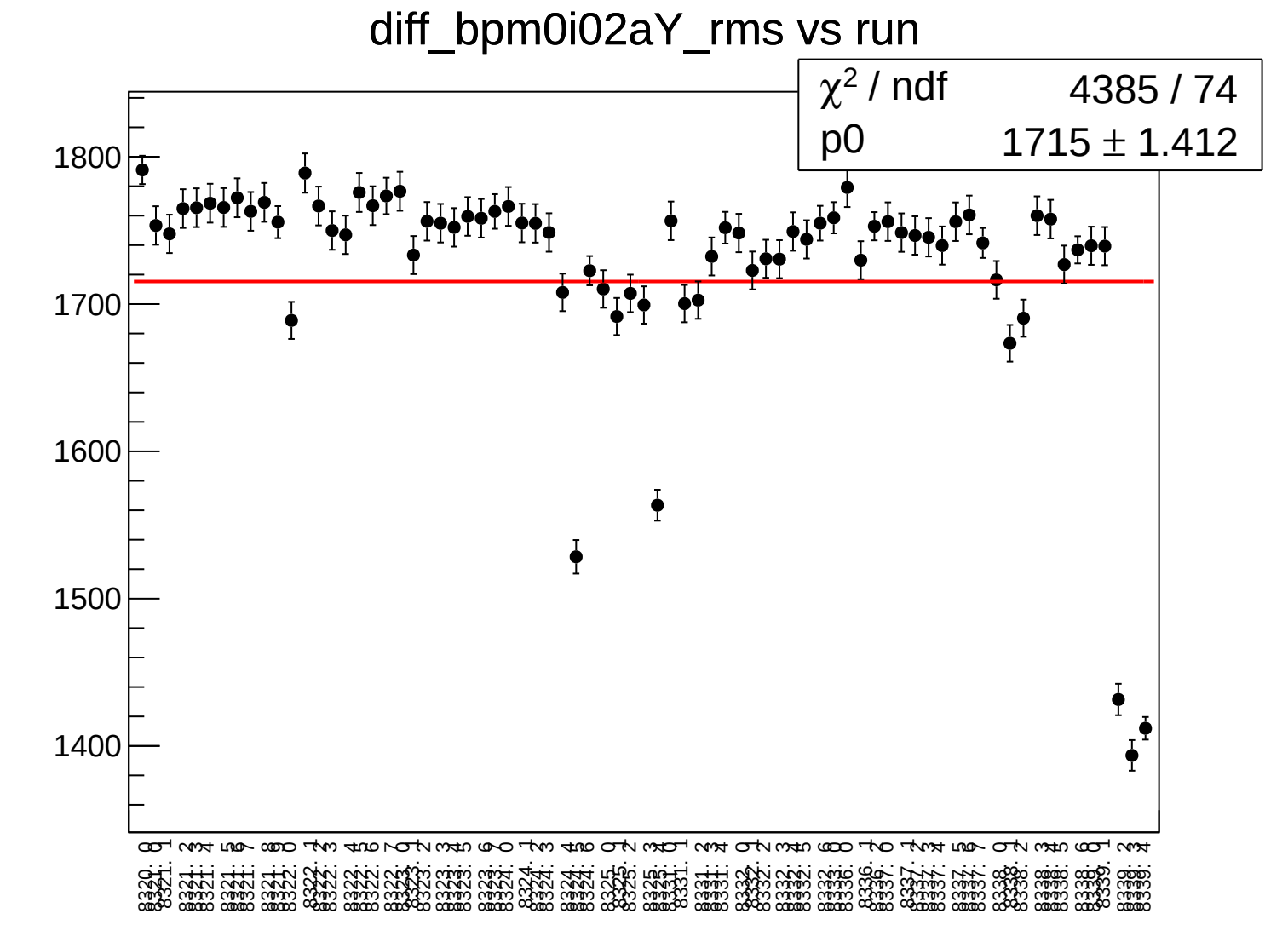

diff_bpm0i02aX_mean vs run
χ² / ndf 507.4 / 74
p0 −97.51 ± 1.669
pull
Entries 75
Mean 210
Std Dev 0

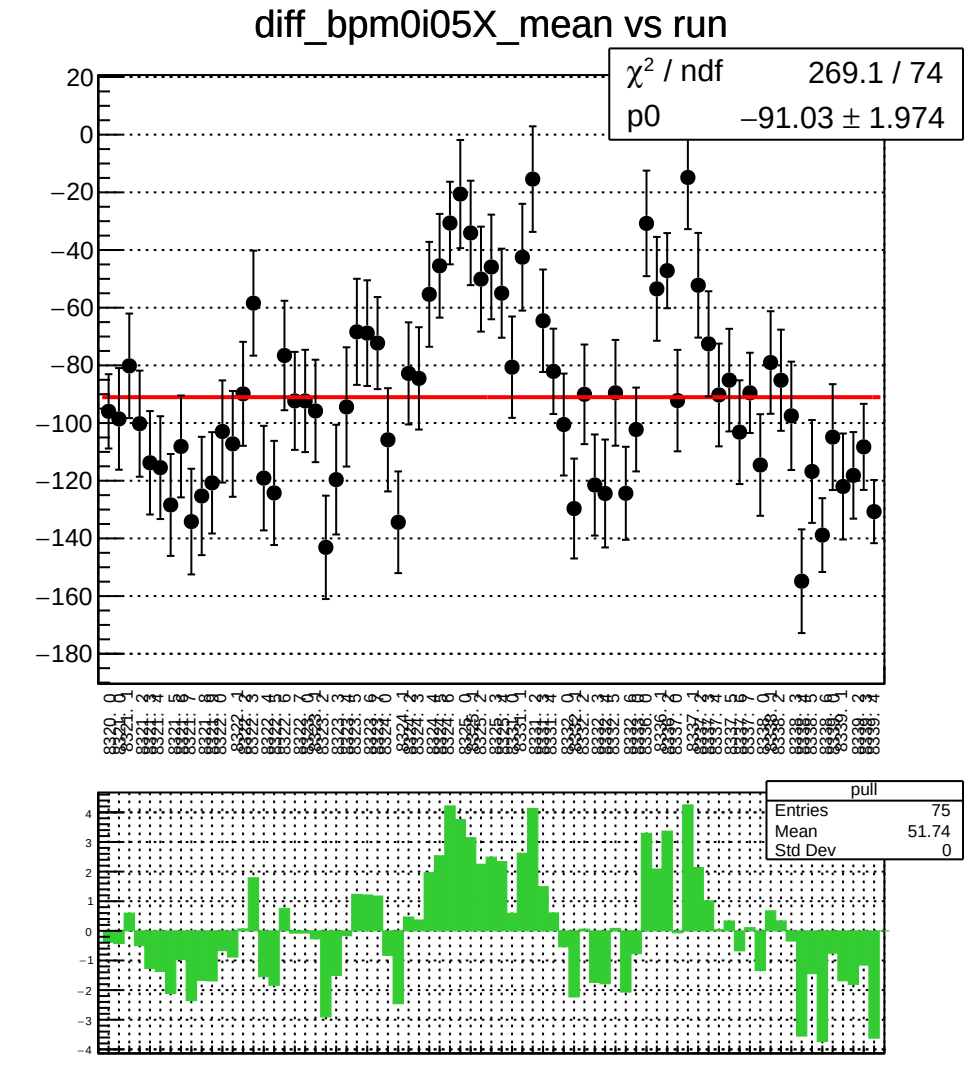

pull1D
Entries 75
Mean −0.01442
Std Dev 2.601

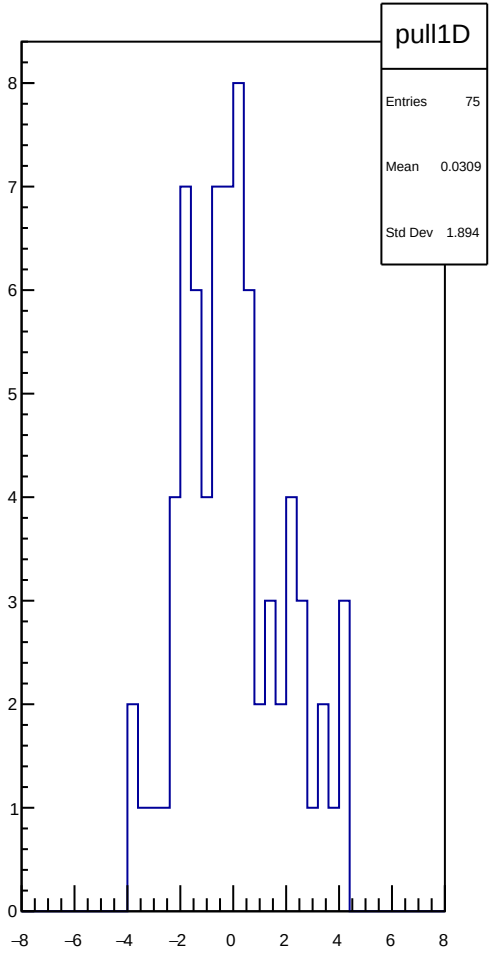

diff_bpm0i02aX_rms vs run
χ² / ndf 179.9 / 74
p0 1436 ± 1.18
1480
1460
1440
1420
1400
1380

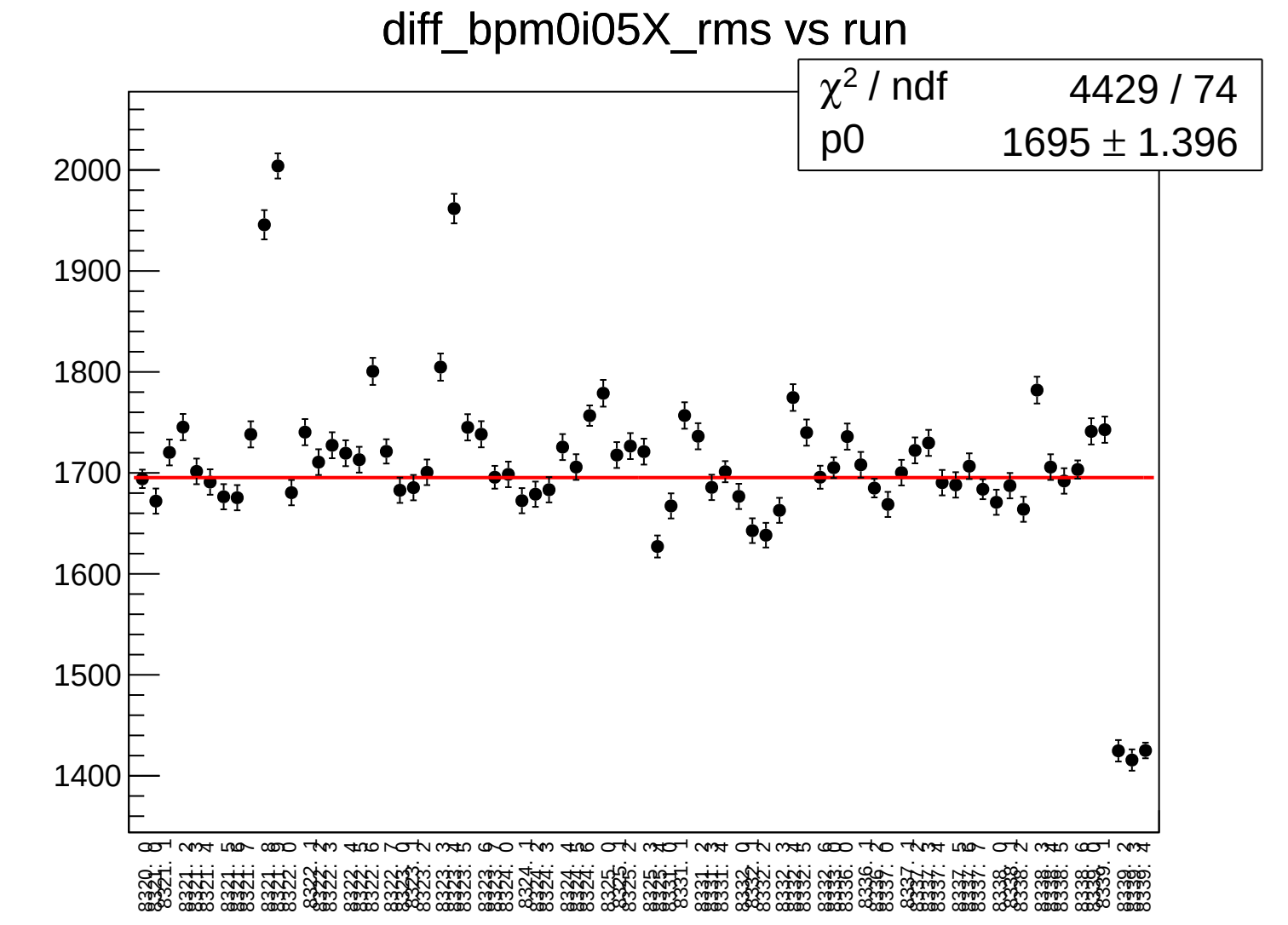

diff_bpm0i02aY_mean vs run
χ² / ndf 191.9 / 74
p0 176.3 ± 1.997
pull
Entries 75
Mean 586
Std Dev 0

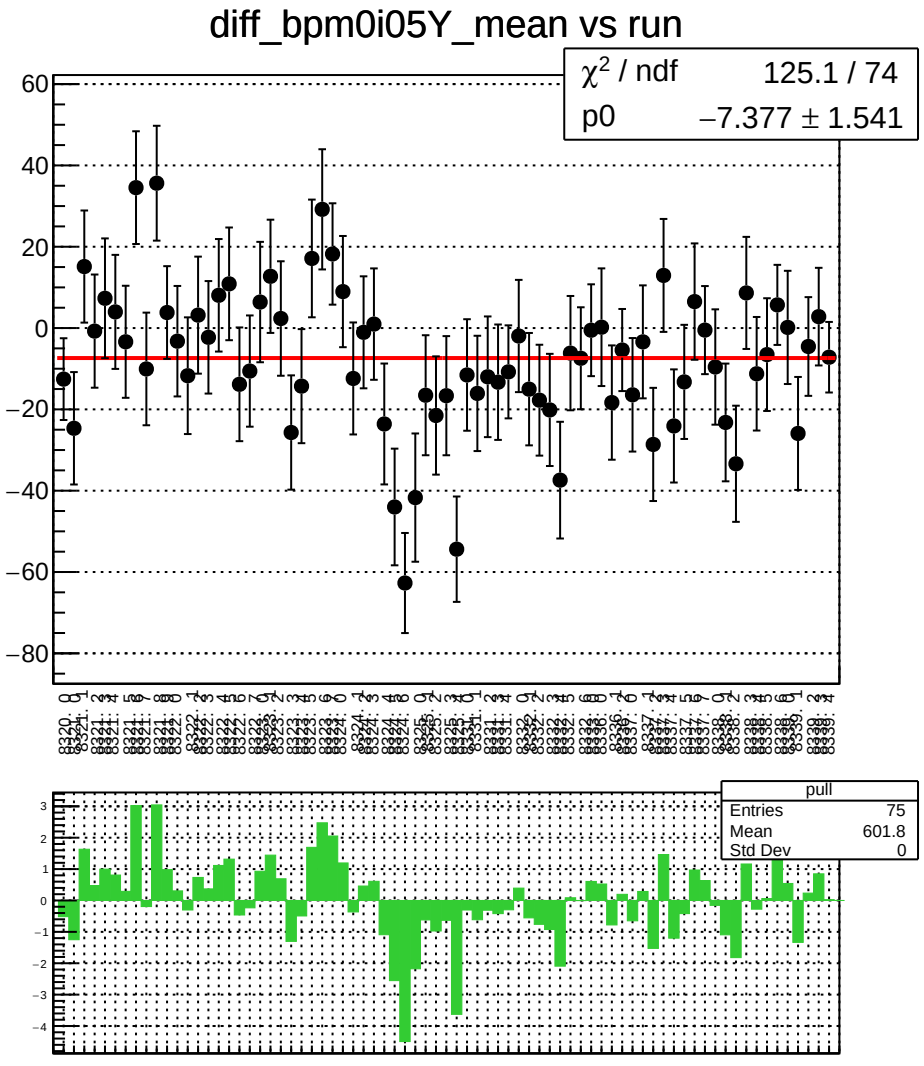

pull1D
Entries 75
Mean 0.007911
Std Dev 1.6

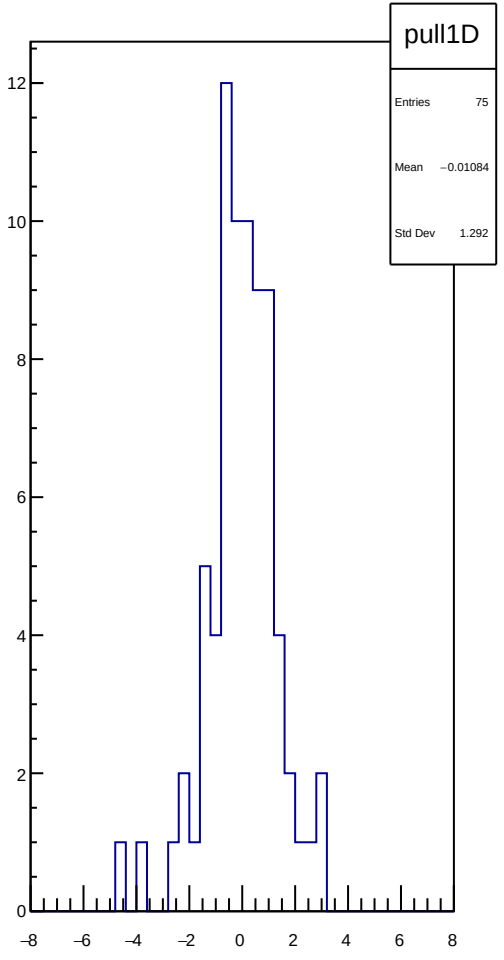

diff_bpm0i02aY_rms vs run
χ² / ndf 4385 / 74
p0 1715 ± 1.412
1800
1700
1600
1500
1400

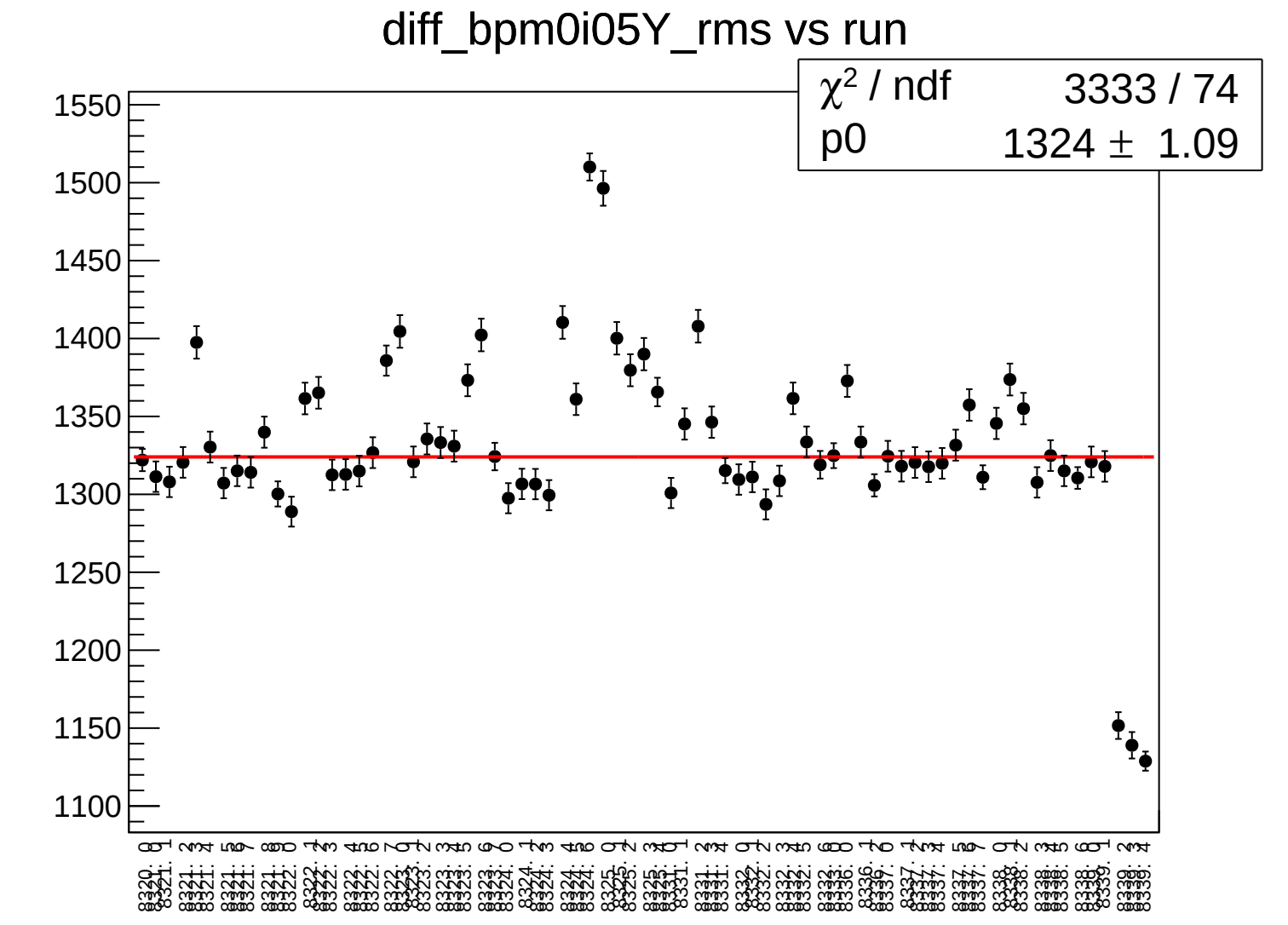

diff_bpm0i05X_mean vs run
χ² / ndf 269.1 / 74
p0 −91.03 ± 1.974
pull
Entries 75
Mean 51.74
Std Dev 0

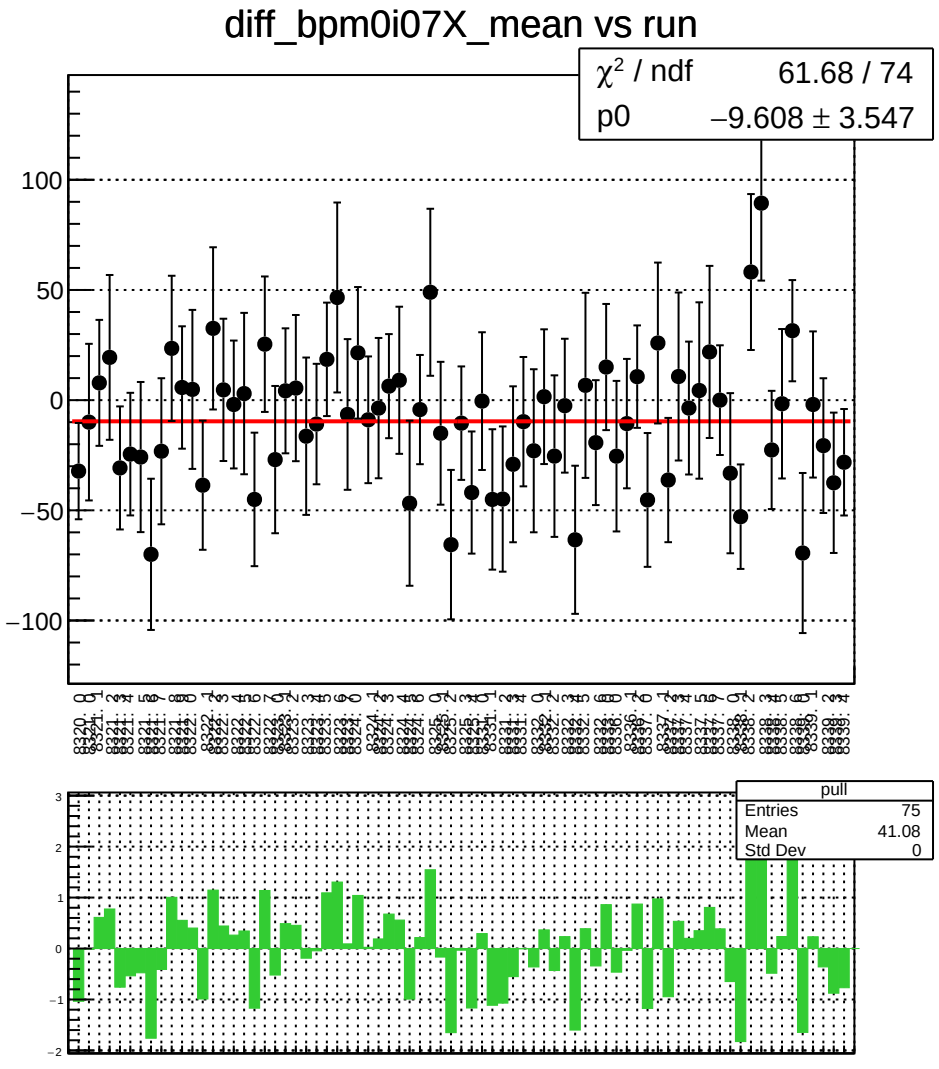

pull1D
Entries 75
Mean 0.0309
Std Dev 1.894

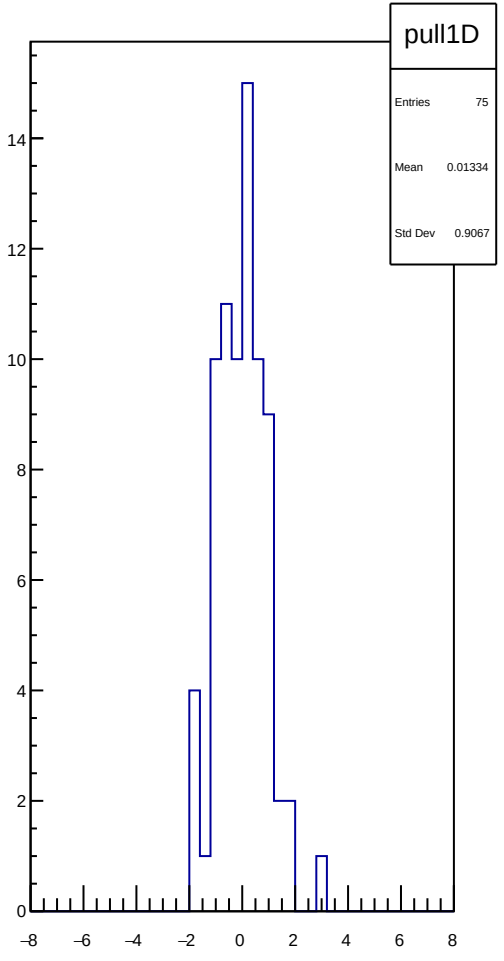

diff_bpm0i05X_rms vs run
χ² / ndf 4429 / 74
p0 1695 ± 1.396
2000
1900
1800
1700
1600
1500
1400

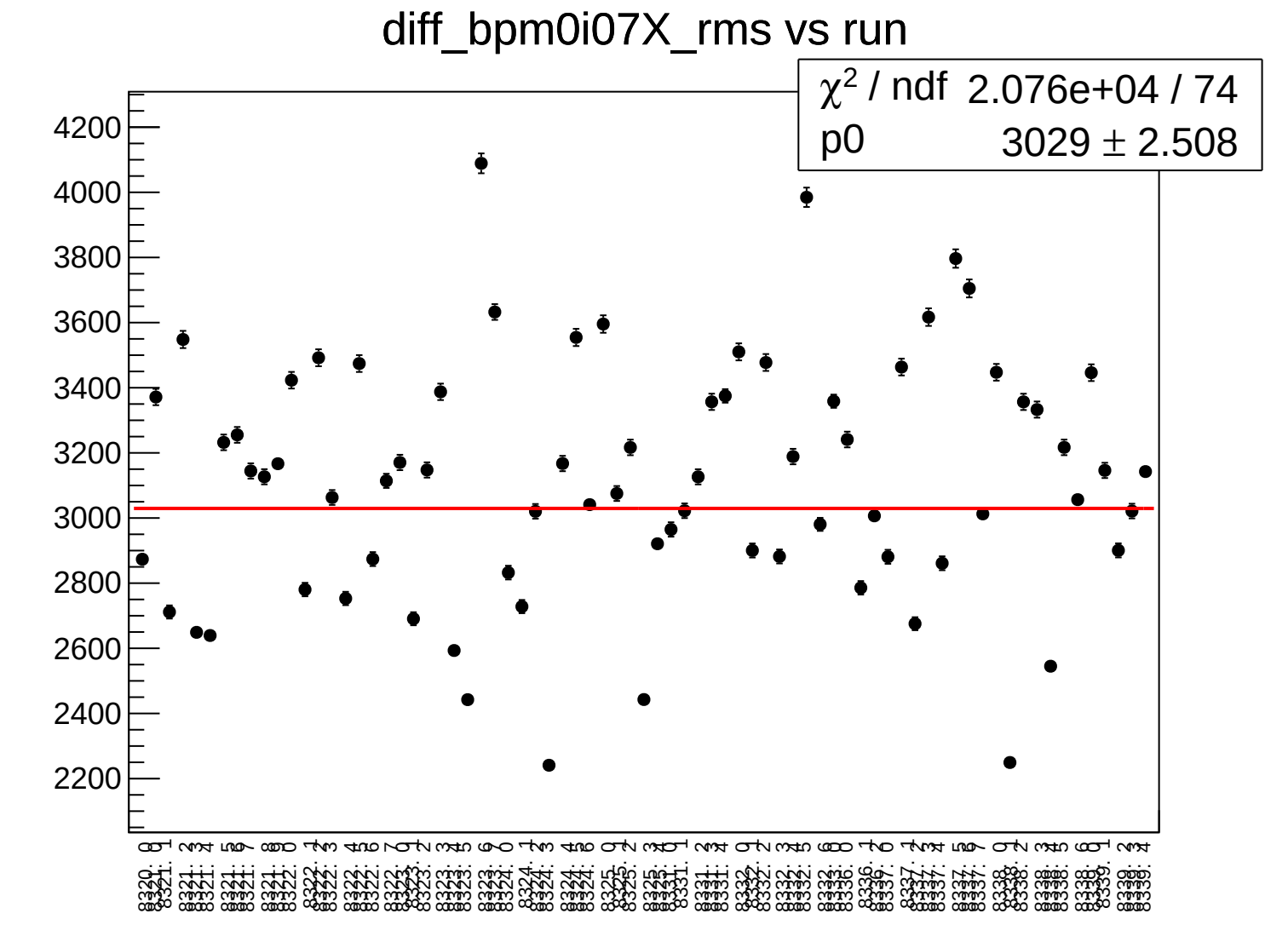

diff_bpm0i05Y_mean vs run
χ² / ndf 125.1 / 74
p0 −7.377 ± 1.541
pull
Entries 75
Mean 601.8
Std Dev 0

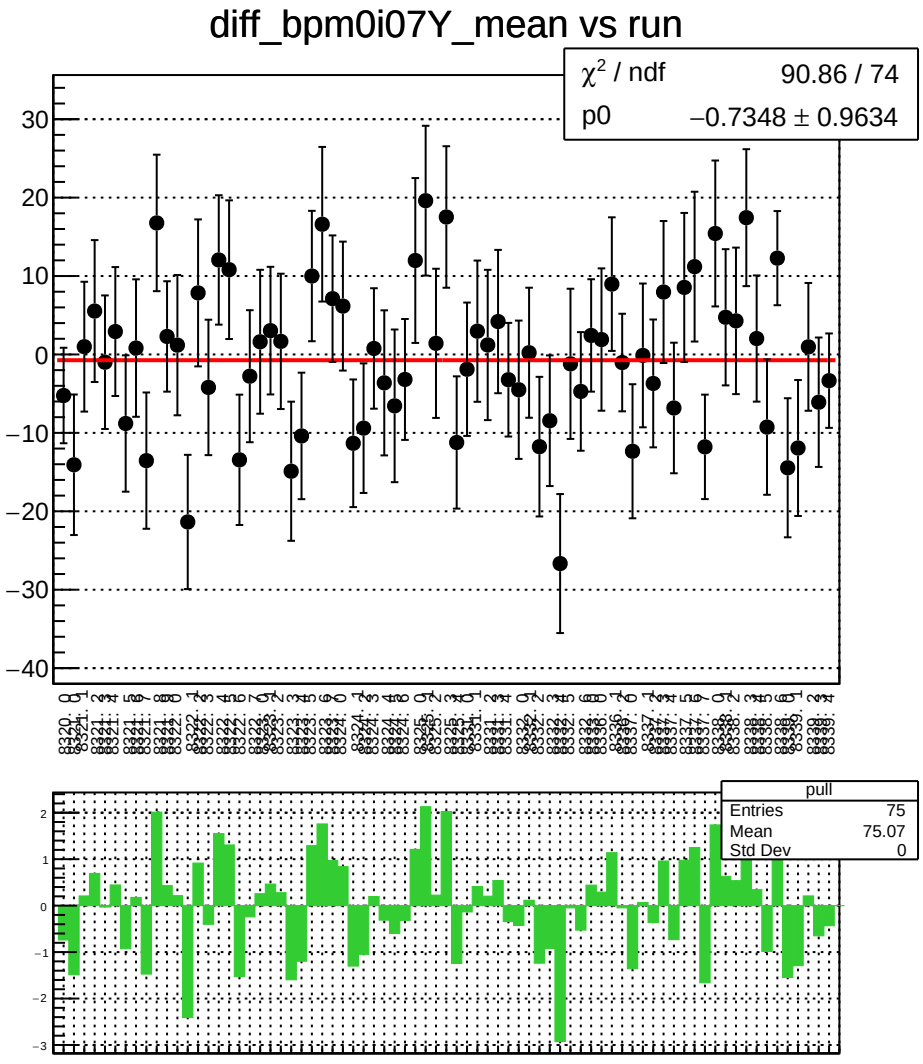

pull1D
Entries 75
Mean −0.01084
Std Dev 1.292

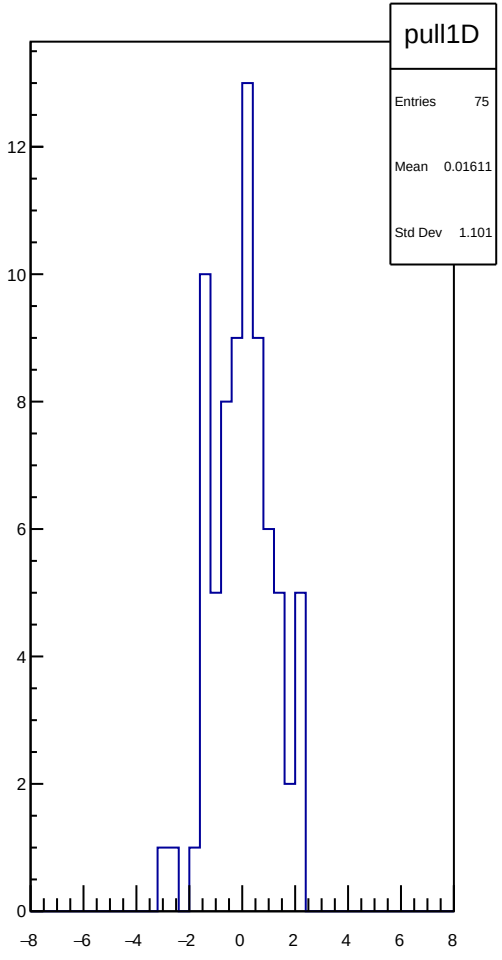

diff_bpm0i05Y_rms vs run
χ² / ndf 3333 / 74
p0 1324 ± 1.09
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100

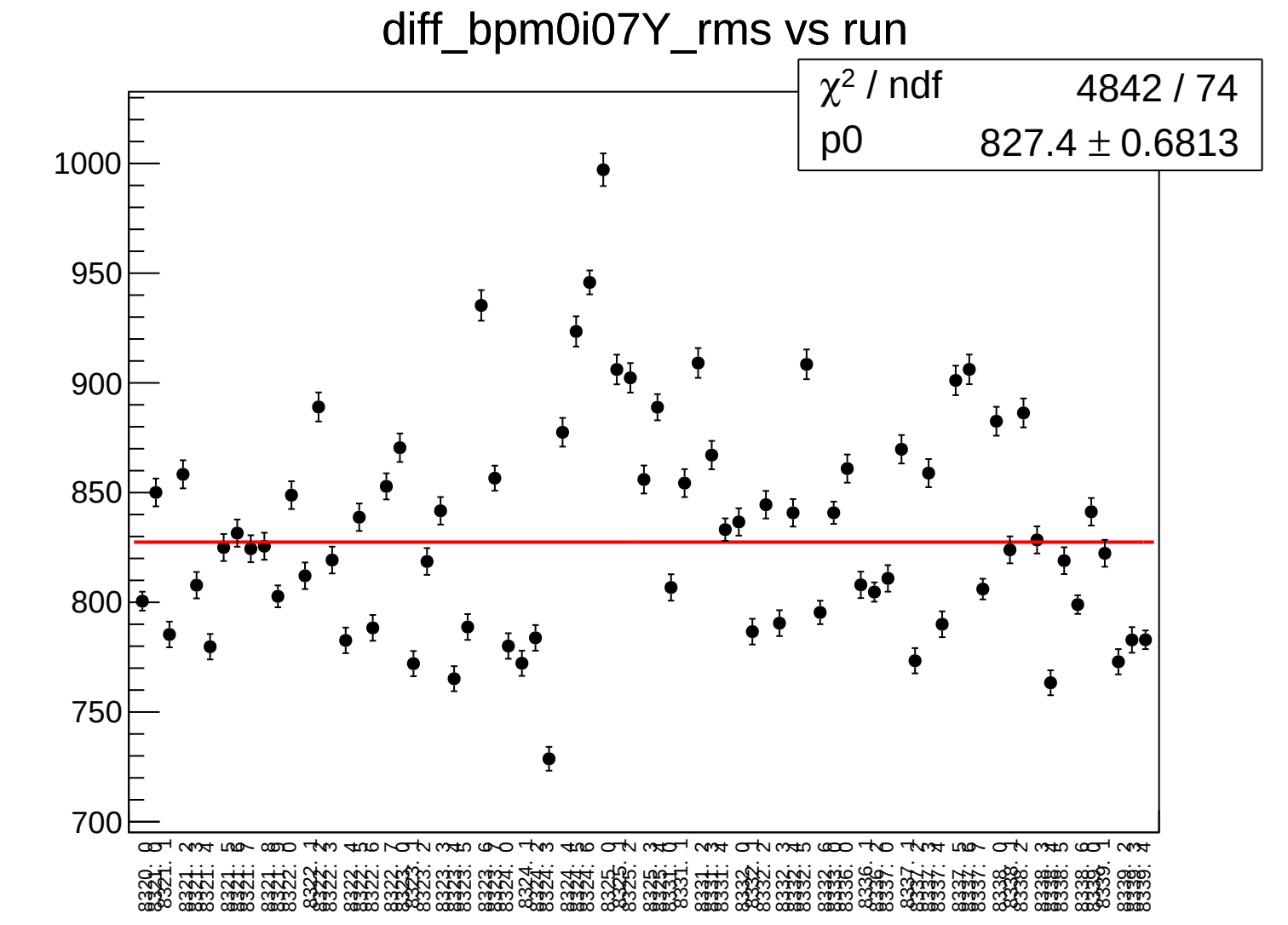

diff_bpm0i07X_mean vs run
χ² / ndf 61.68 / 74
p0 −9.608 ± 3.547
pull
Entries 75
Mean 41.08
Std Dev 0

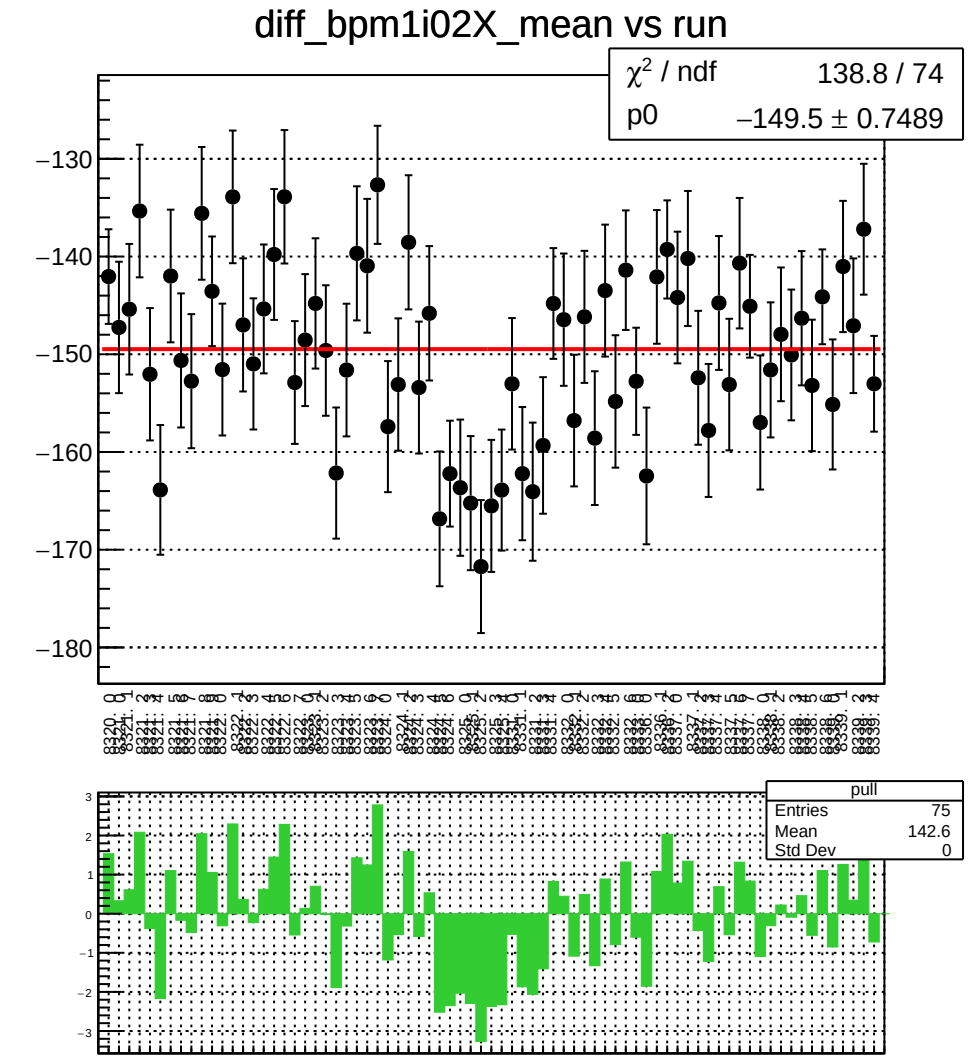

pull1D
Entries 75
Mean 0.01334
Std Dev 0.9067

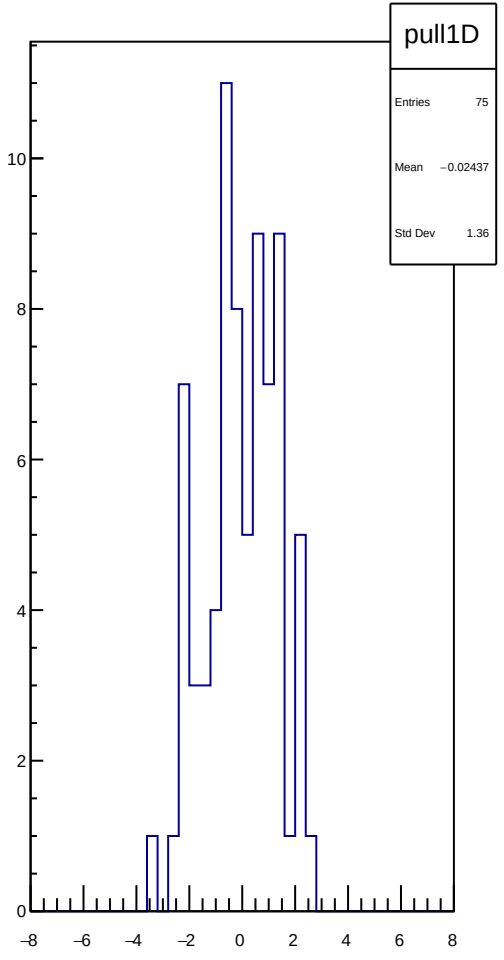

diff_bpm0i07X_rms vs run
χ² / ndf 2.076e+04 / 74
p0 3029 ± 2.508
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

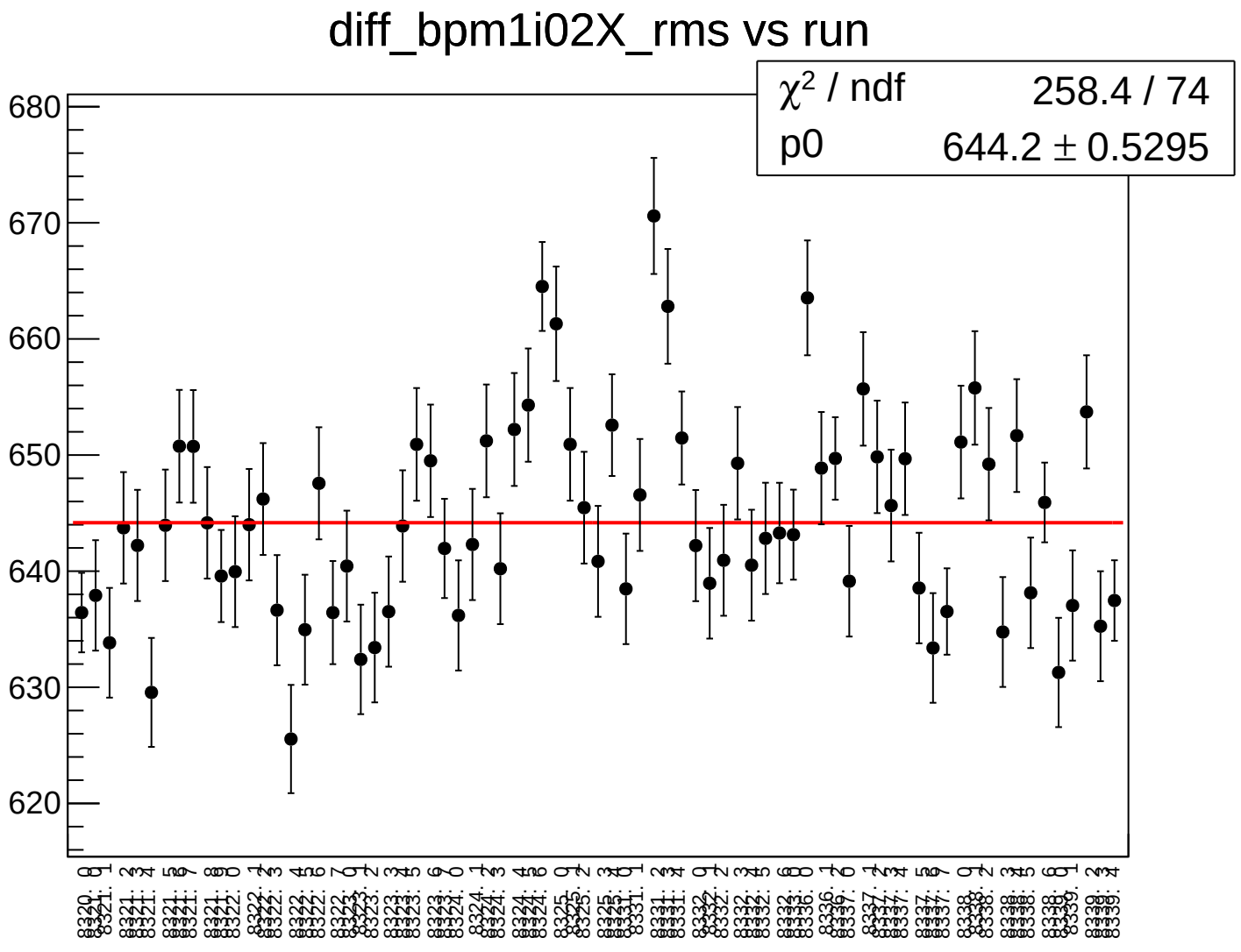

diff_bpm0i07Y_mean vs run
χ² / ndf 90.86 / 74
p0 −0.7348 ± 0.9634
pull
Entries 75
Mean 75.07
Std Dev 0

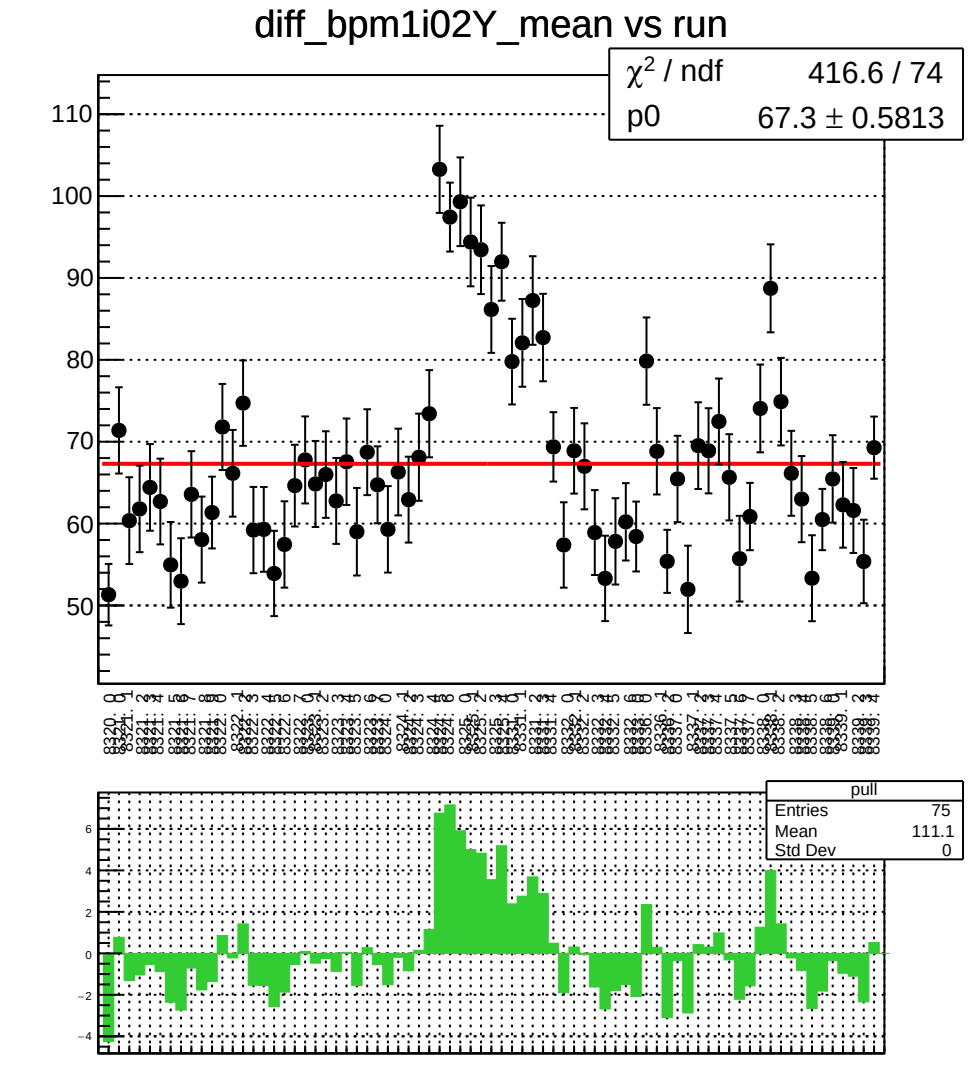

pull1D
Entries 75
Mean 0.01611
Std Dev 1.101

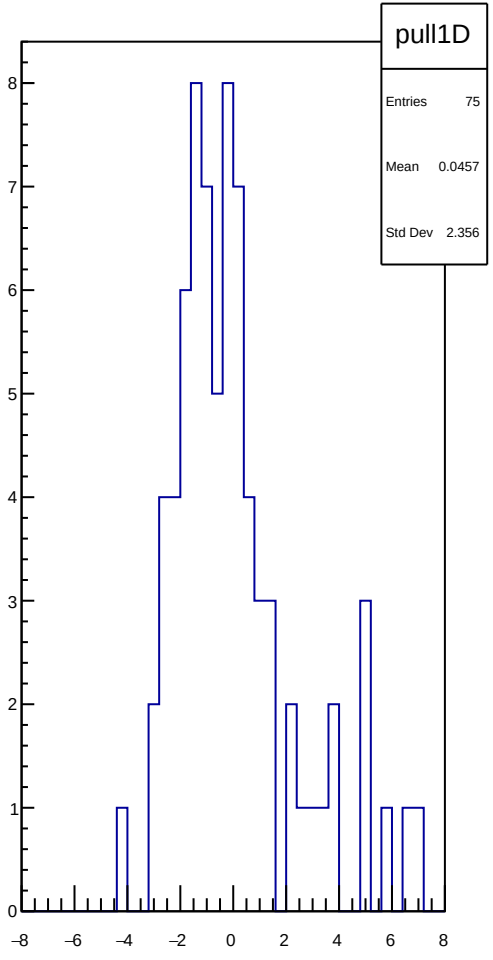

diff_bpm0i07Y_rms vs run
χ² / ndf 4842 / 74
p0 827.4 ± 0.6813
1000
950
900
850
800
750
700

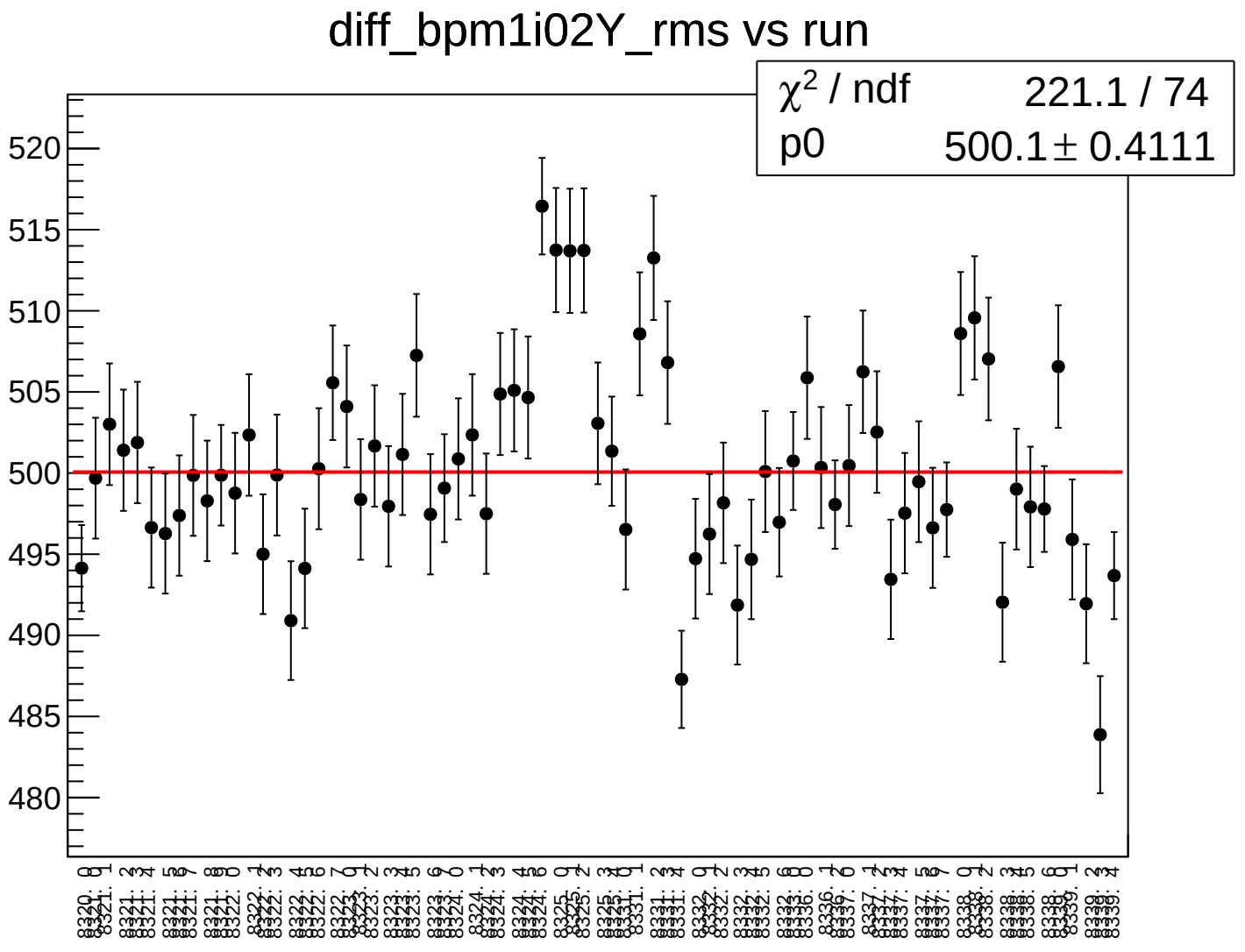

diff_bpm1i02X_mean vs run
χ² / ndf 138.8 / 74
p0 −149.5 ± 0.7489
pull
Entries 75
Mean 142.6
Std Dev 0

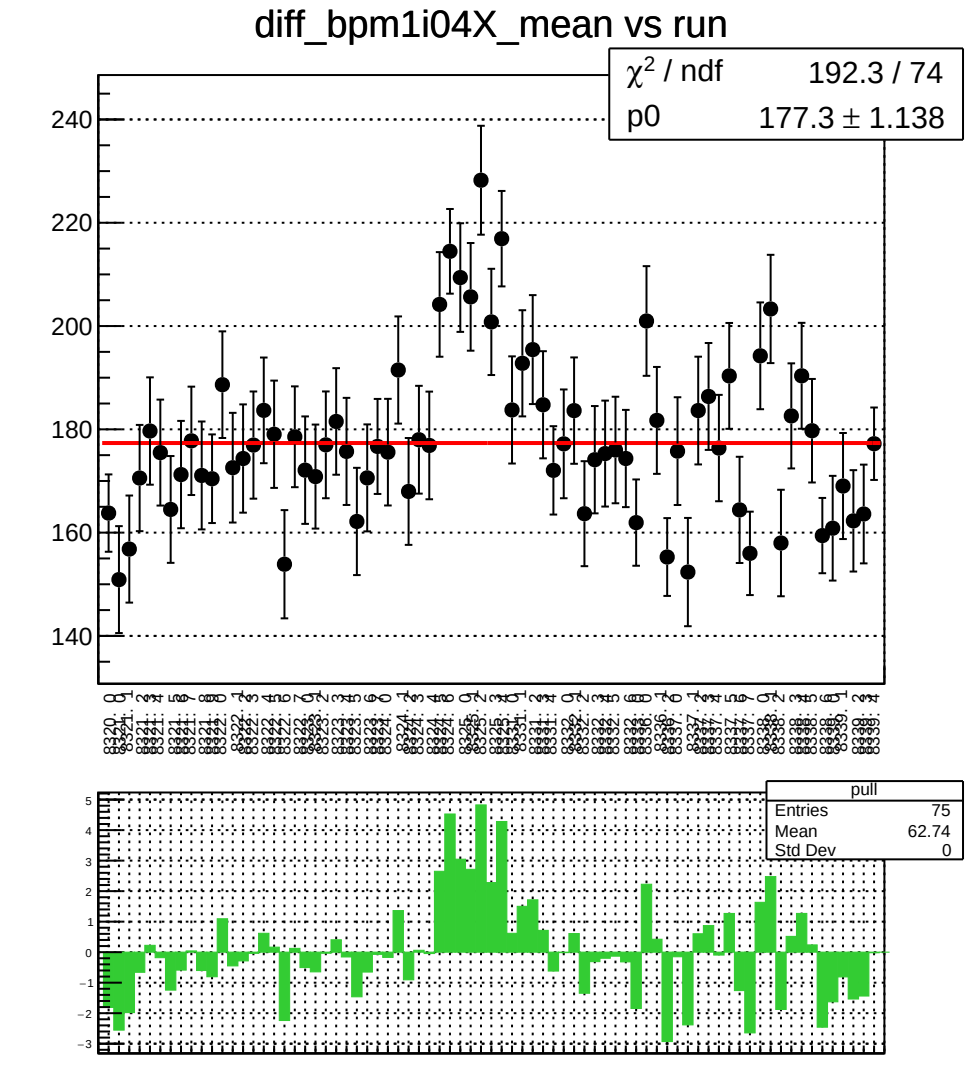

pull1D
Entries 75
Mean −0.02437
Std Dev 1.36

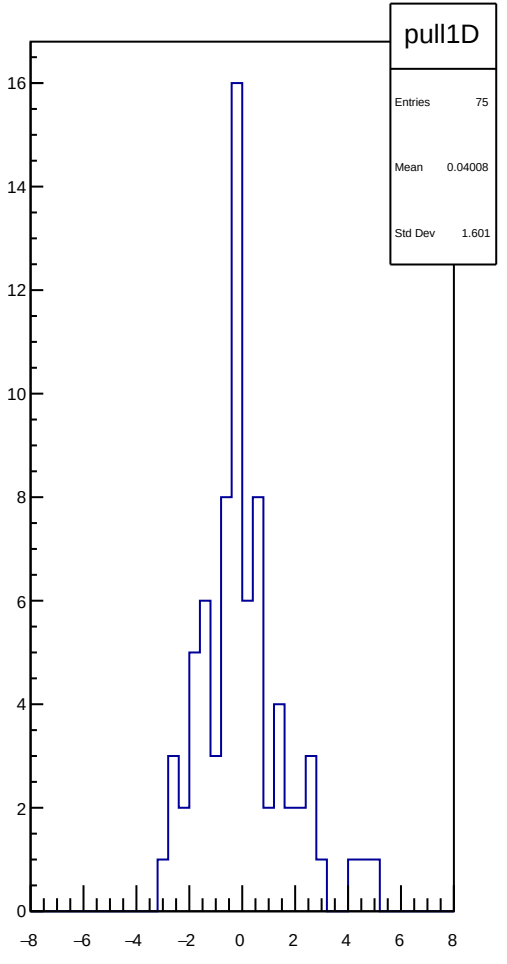

diff_bpm1i02X_rms vs run
χ² / ndf 258.4 / 74
p0 644.2 ± 0.5295
680
670
660
650
640
630
620

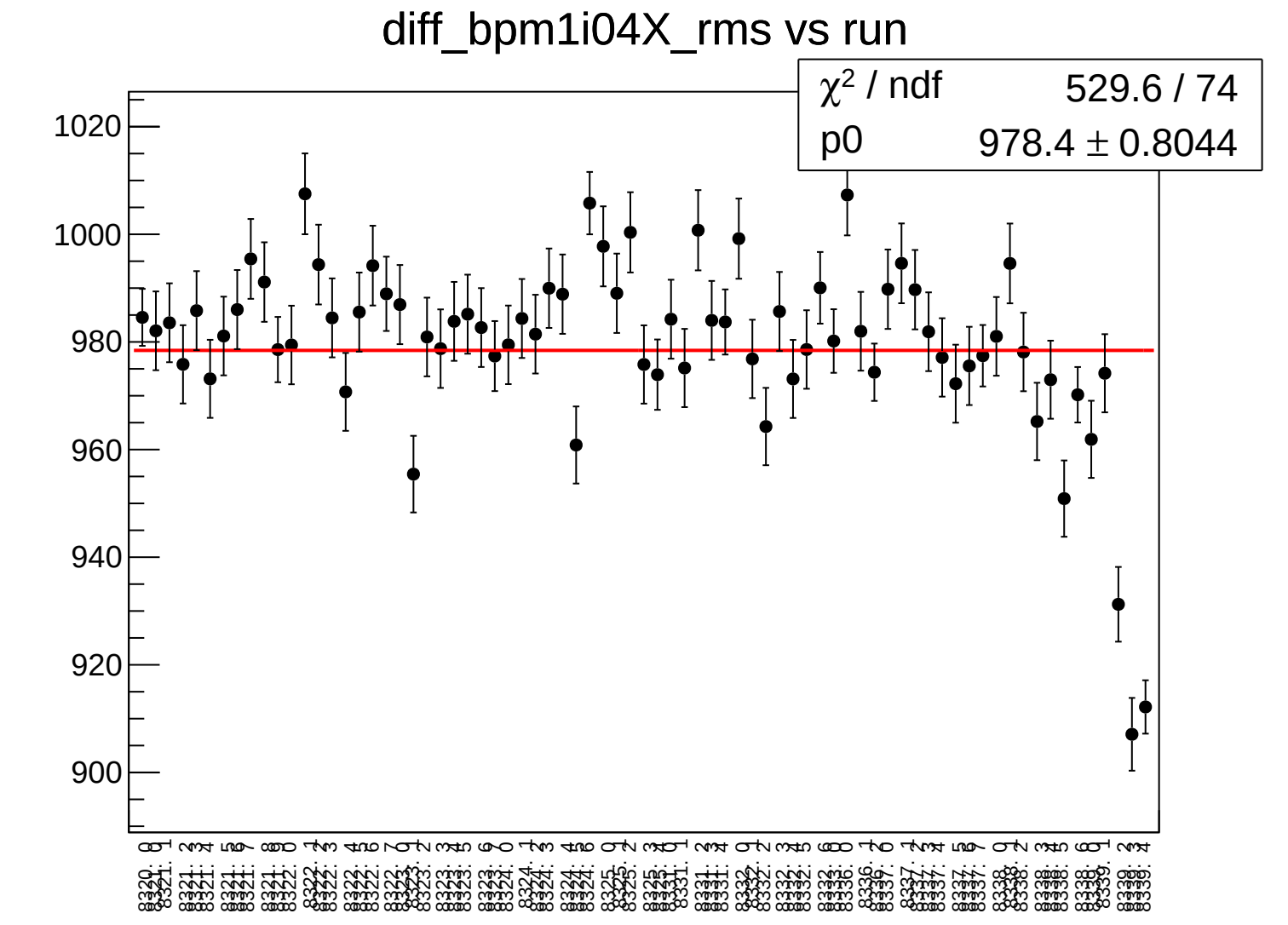

diff_bpm1i02Y_mean vs run
χ² / ndf 416.6 / 74
p0 67.3 ± 0.5813
pull
Entries 75
Mean 111.1
Std Dev 0

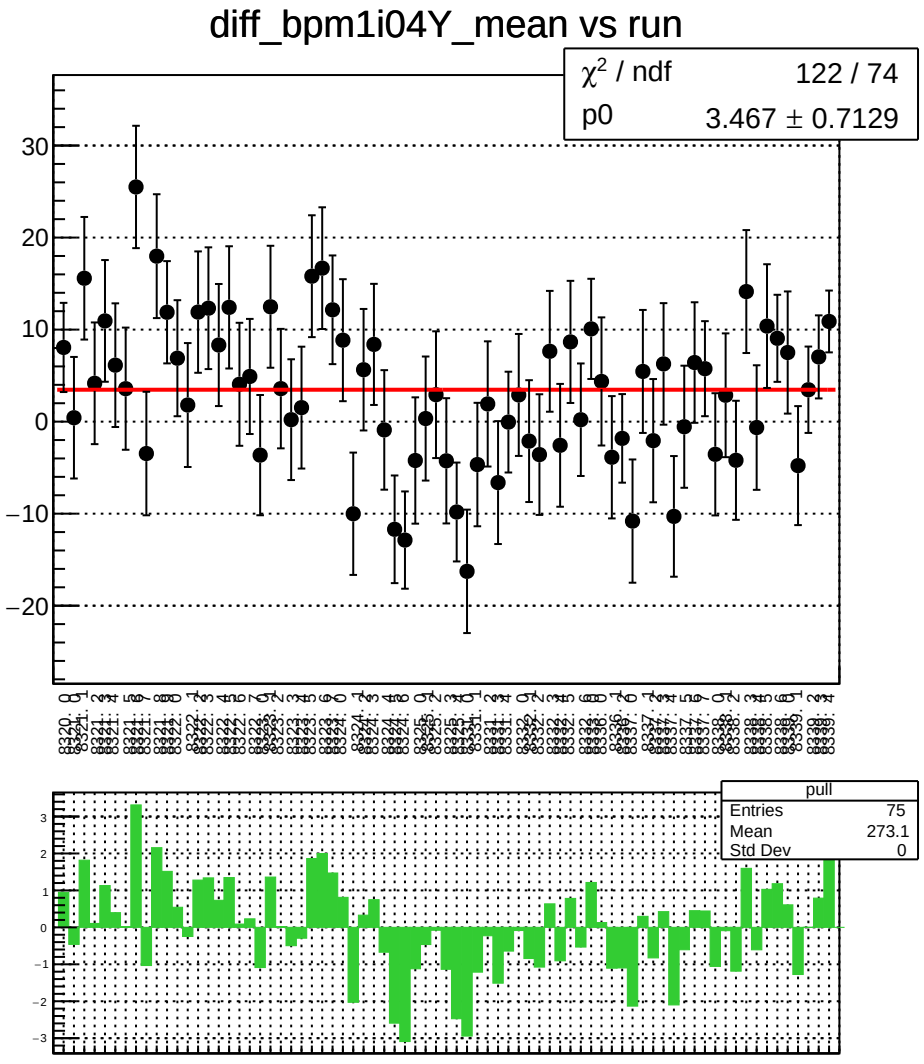

pull1D
Entries 75
Mean 0.0457
Std Dev 2.356

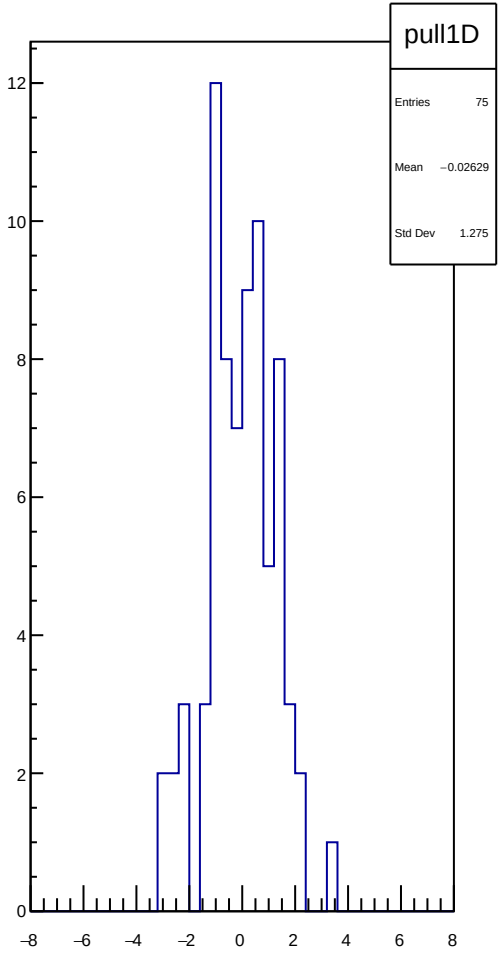

diff_bpm1i02Y_rms vs run
χ² / ndf 221.1 / 74
p0 500.1 ± 0.4111
520
515
510
505
500
495
490
485
480

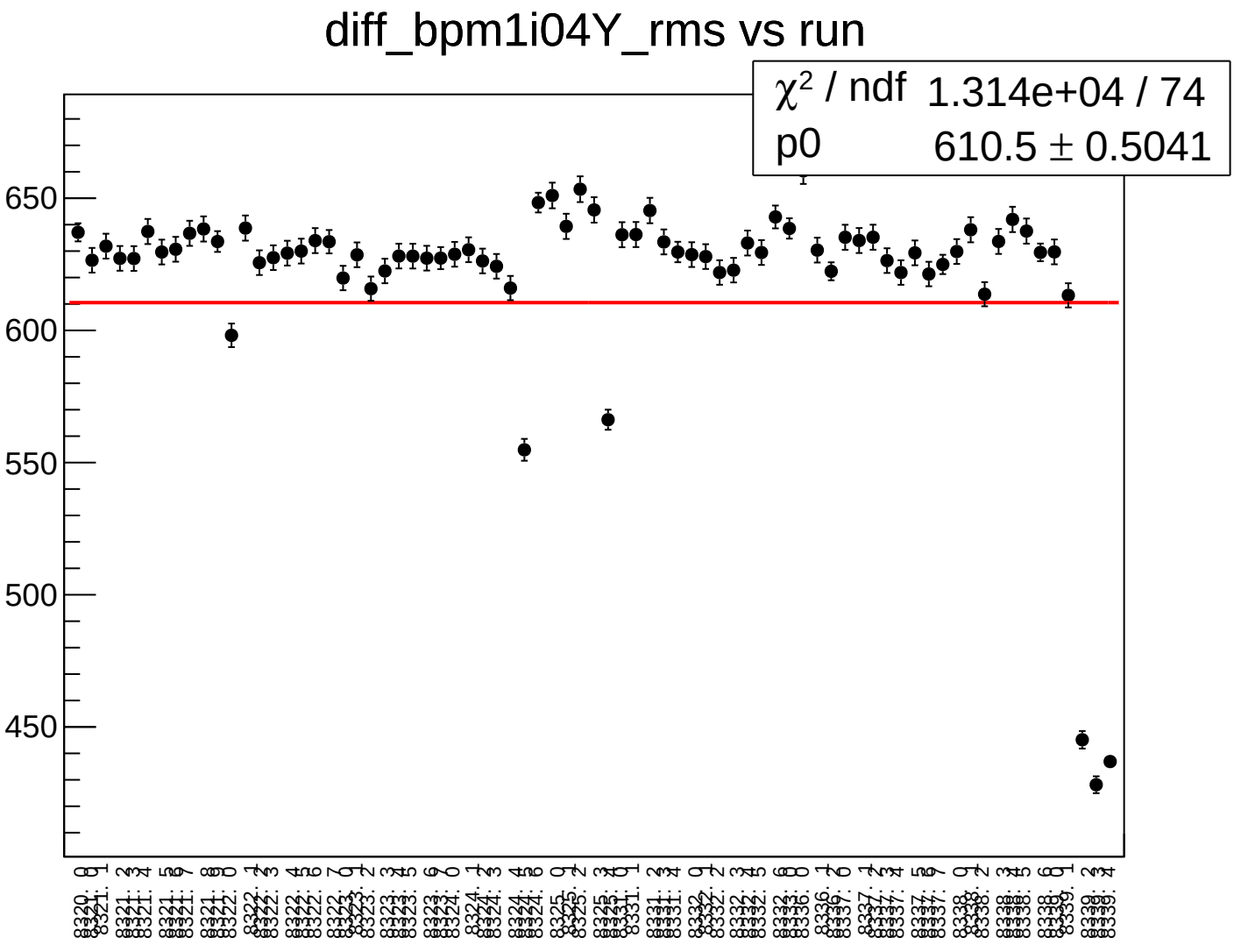

diff_bpm1i04X_mean vs run
χ² / ndf 192.3 / 74
p0 177.3 ± 1.138
240
220
200
180
160
140
pull
Entries 75
Mean 62.74
Std Dev 0
5
4
3
2
1
0
−1
−2
−3

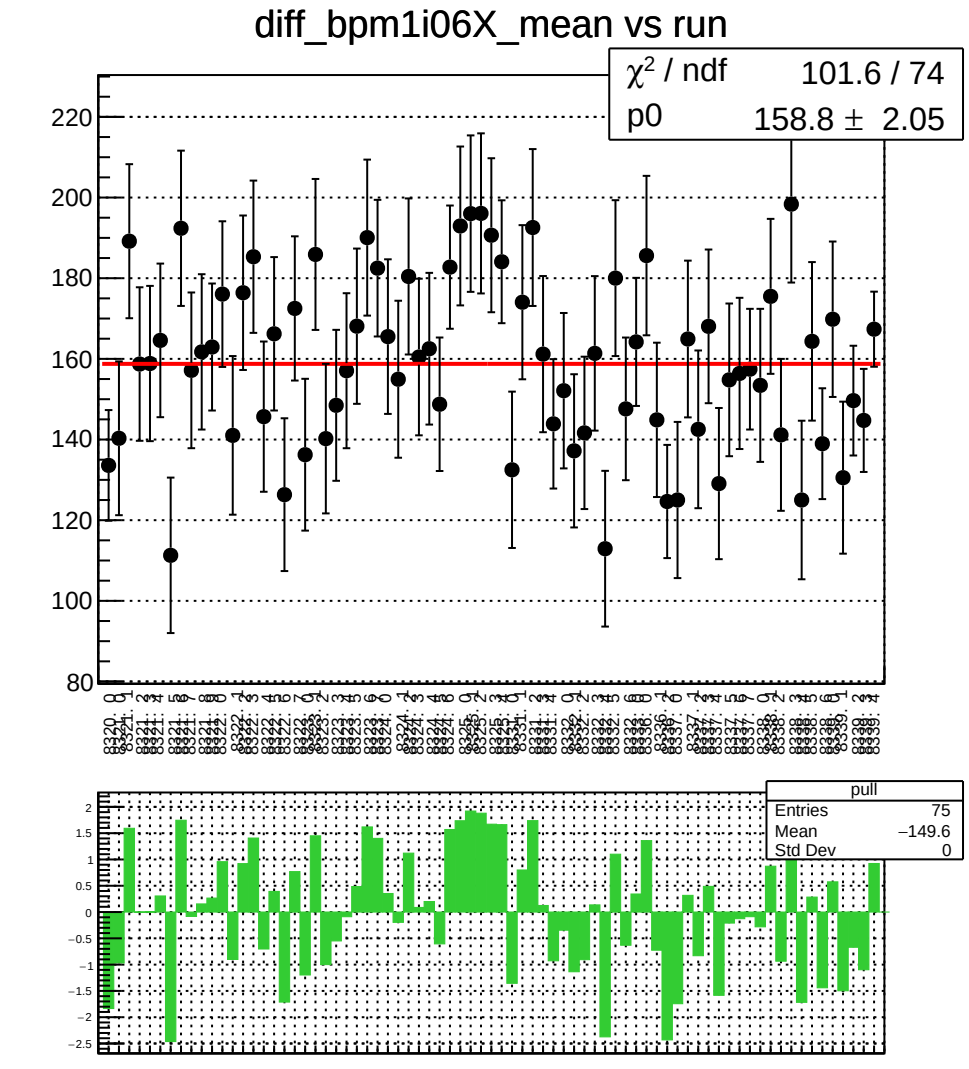

pull1D
Entries 75
Mean 0.04008
Std Dev 1.601
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

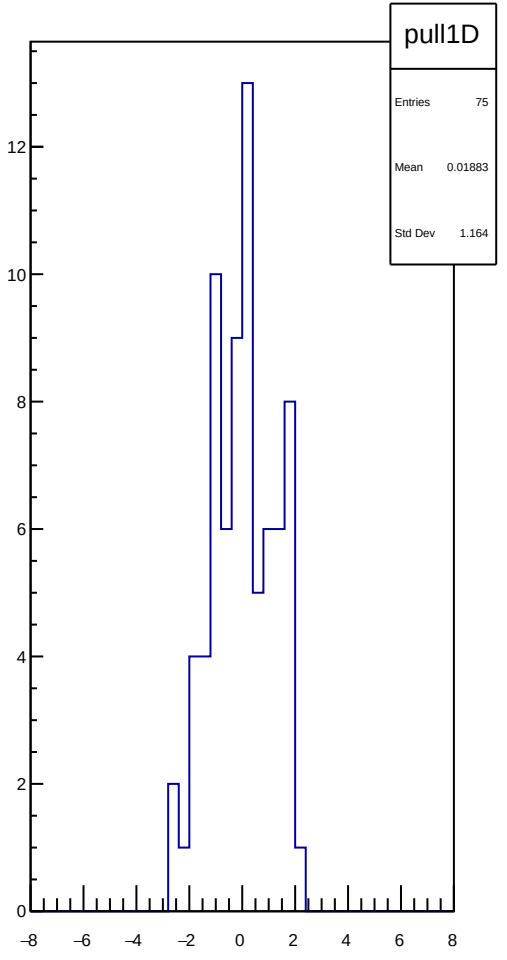

diff_bpm1i04X_rms vs run
χ² / ndf 529.6 / 74
p0 978.4 ± 0.8044
1020
1000
980
960
940
920
900

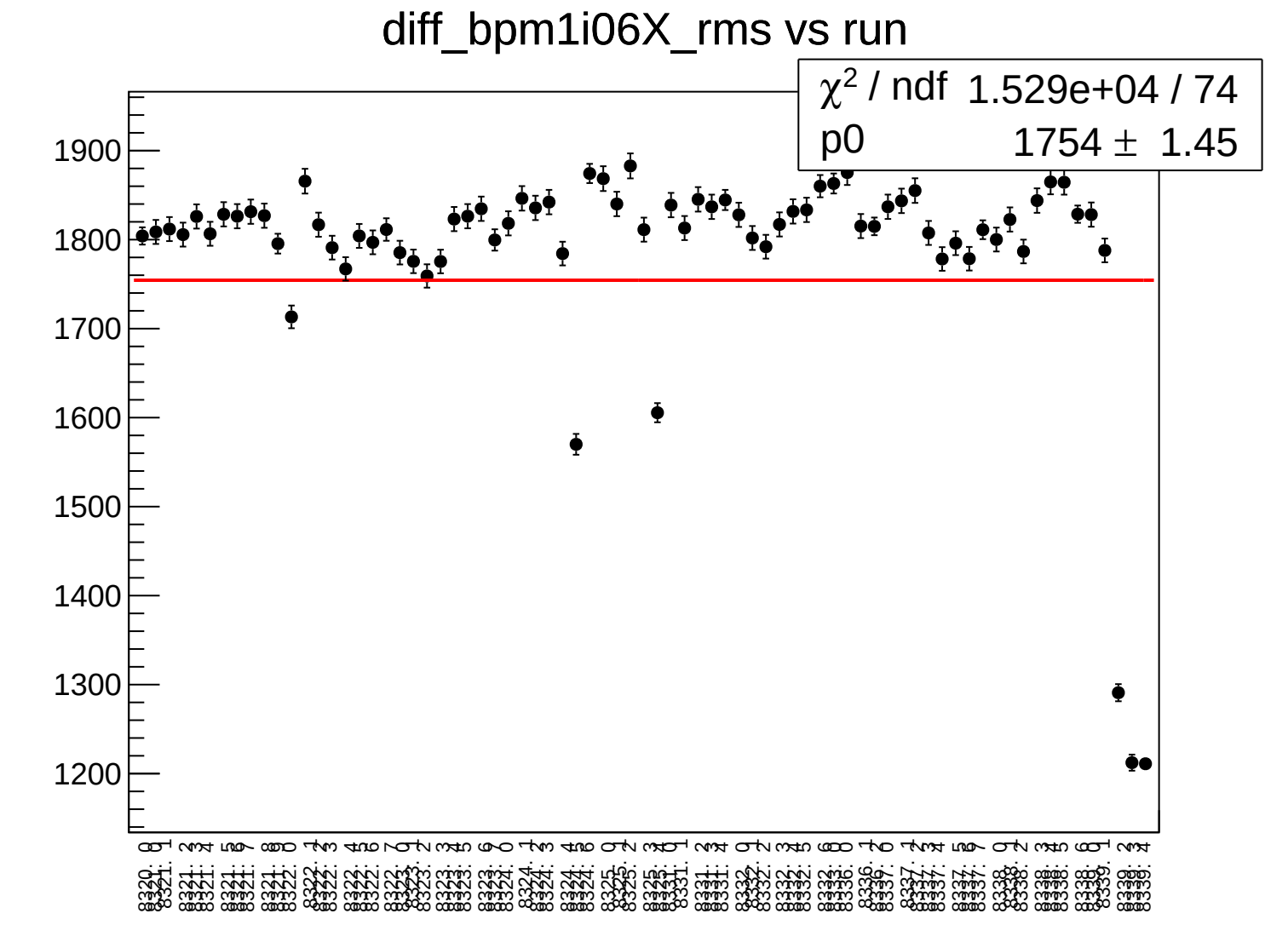

diff_bpm1i04Y_mean vs run
χ² / ndf 122 / 74
p0 3.467 ± 0.7129
pull
Entries 75
Mean 273.1
Std Dev 0

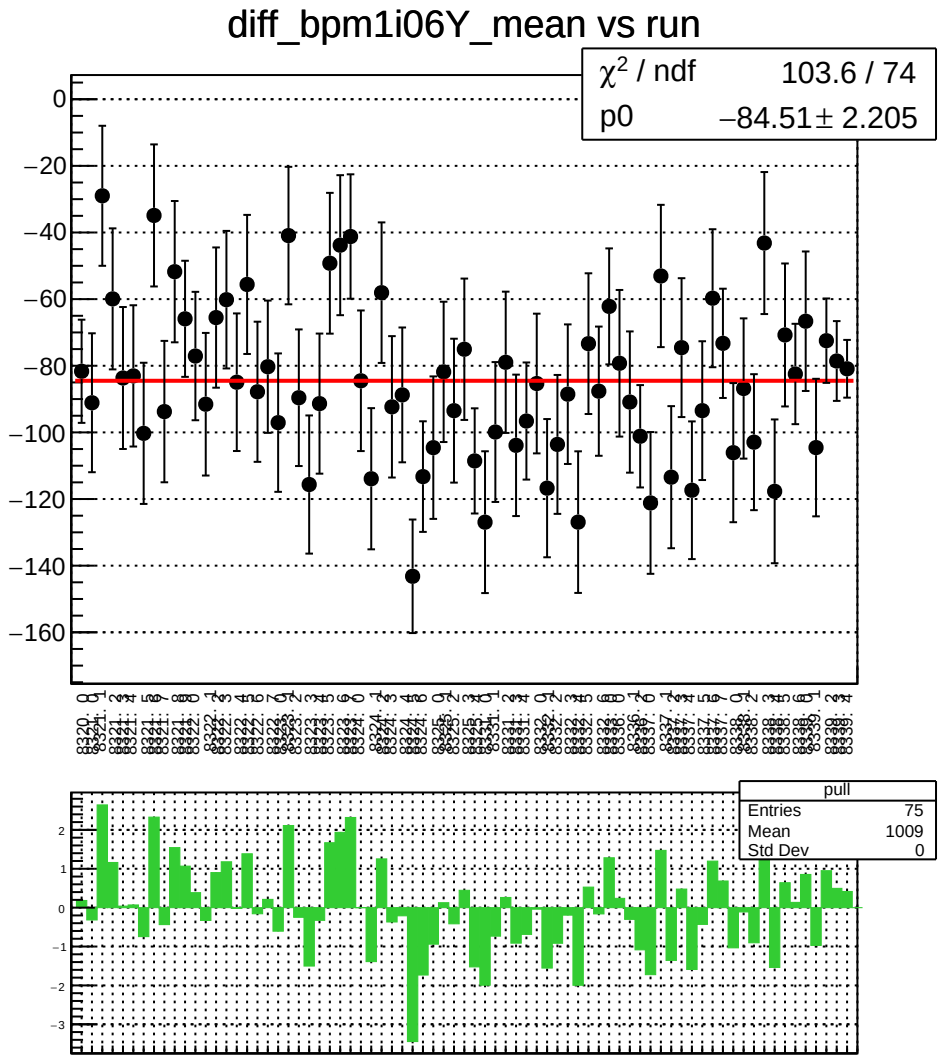

pull1D
Entries 75
Mean −0.02629
Std Dev 1.275

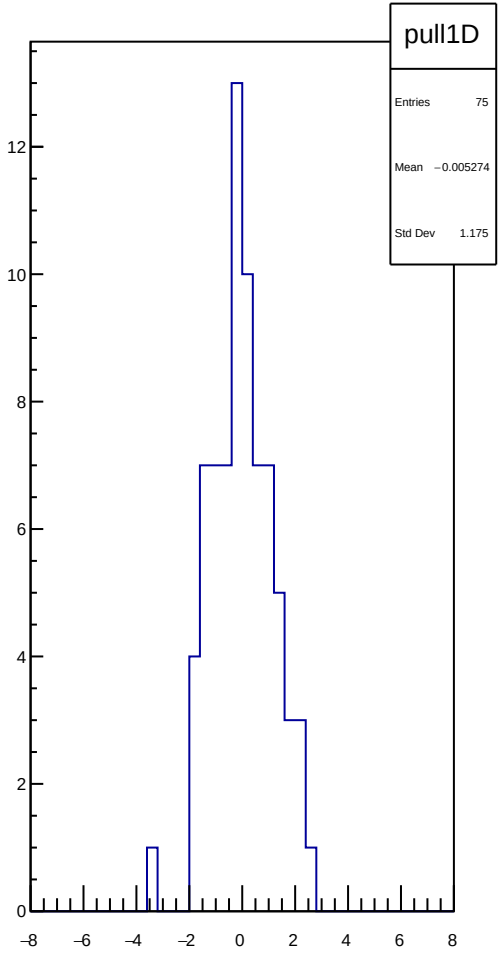

diff_bpm1i04Y_rms vs run
χ² / ndf 1.314e+04 / 74
p0 610.5 ± 0.5041
650
600
550
500
450

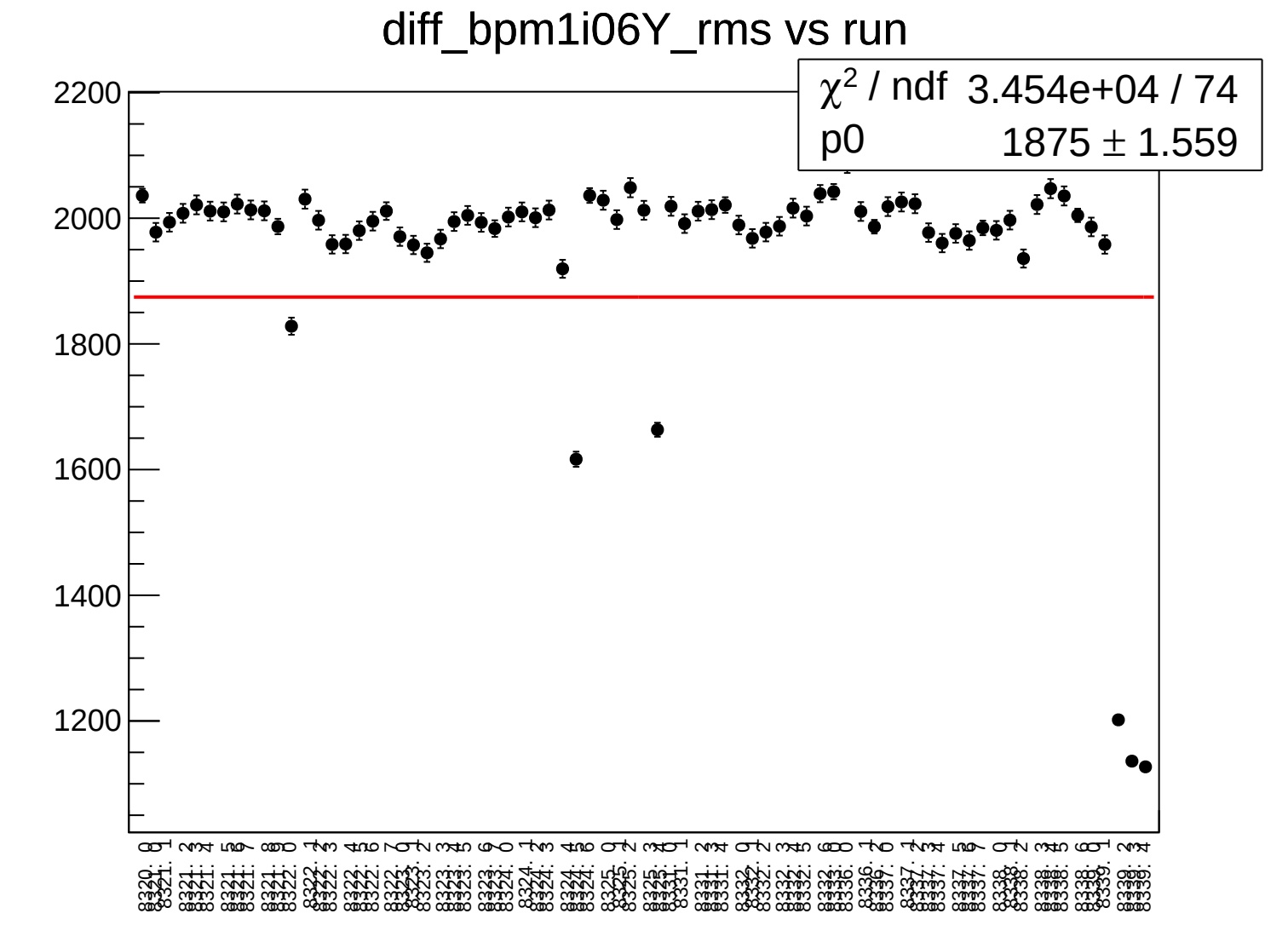

diff_bpm1i06X_mean vs run
χ² / ndf 101.6 / 74
p0 158.8 ± 2.05
pull
Entries 75
Mean −149.6
Std Dev 0

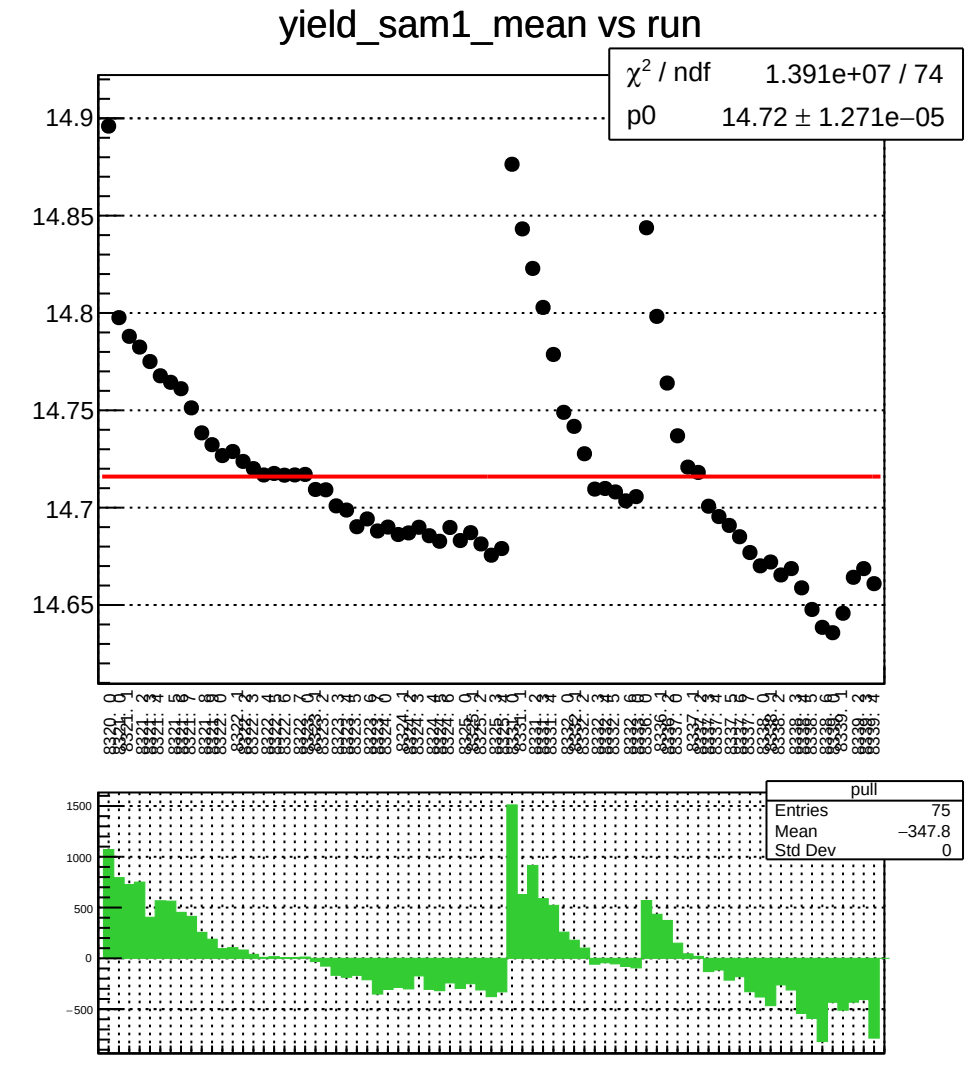

pull1D
Entries 75
Mean 0.01883
Std Dev 1.164

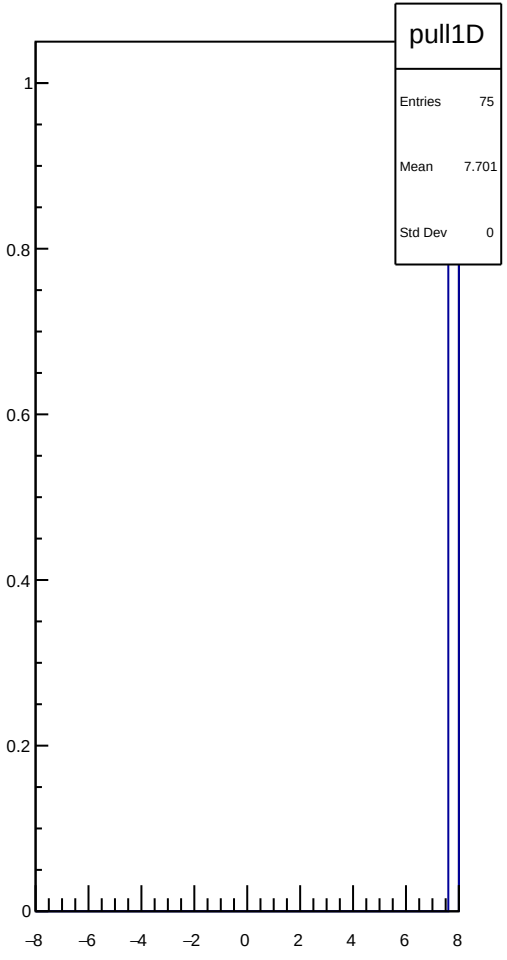

diff_bpm1i06X_rms vs run
χ² / ndf 1.529e+04 / 74
p0 1754 ± 1.45
1900
1800
1700
1600
1500
1400
1300
1200

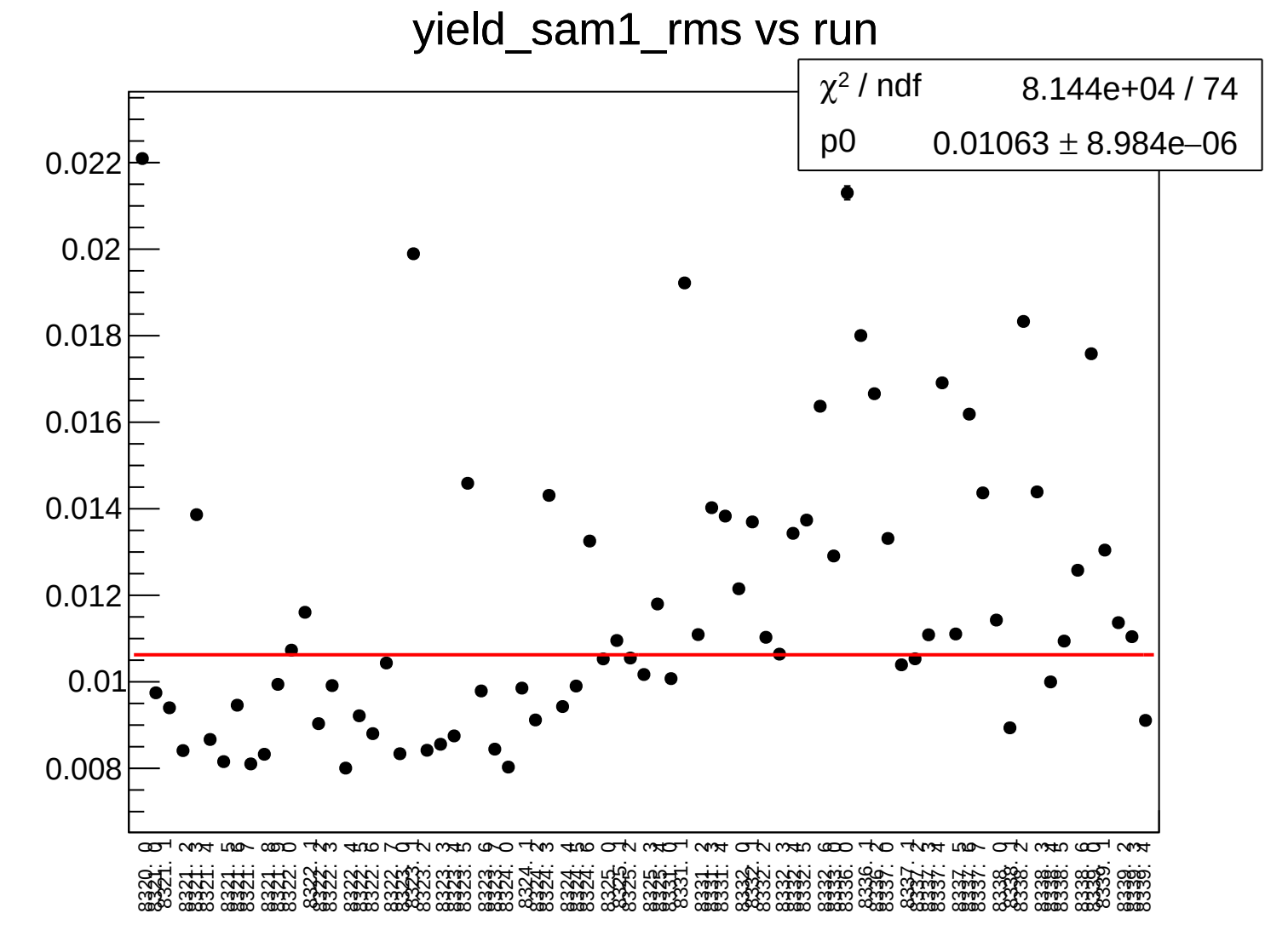

diff_bpm1i06Y_mean vs run
χ² / ndf 103.6 / 74
p0 −84.51 ± 2.205
pull
Entries 75
Mean 1009
Std Dev 0

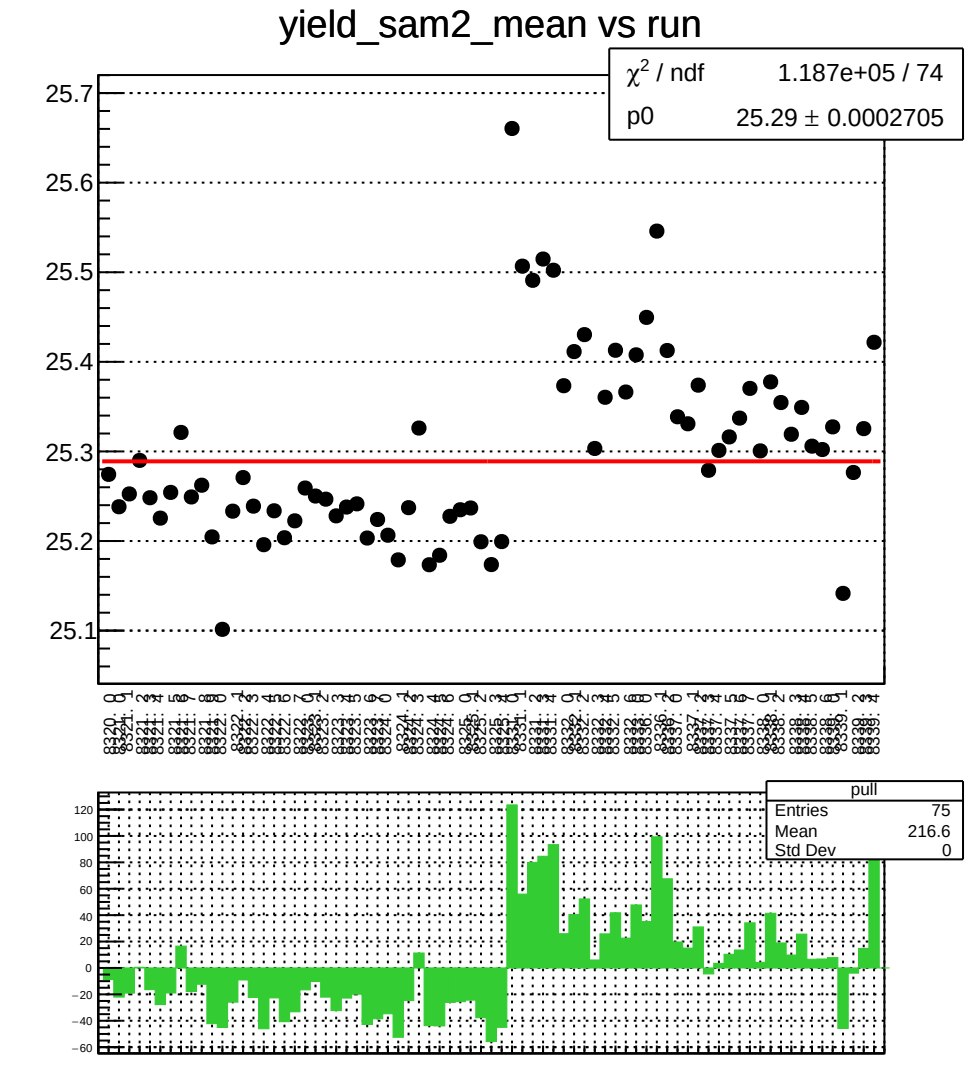

pull1D
Entries 75
Mean −0.005274
Std Dev 1.175

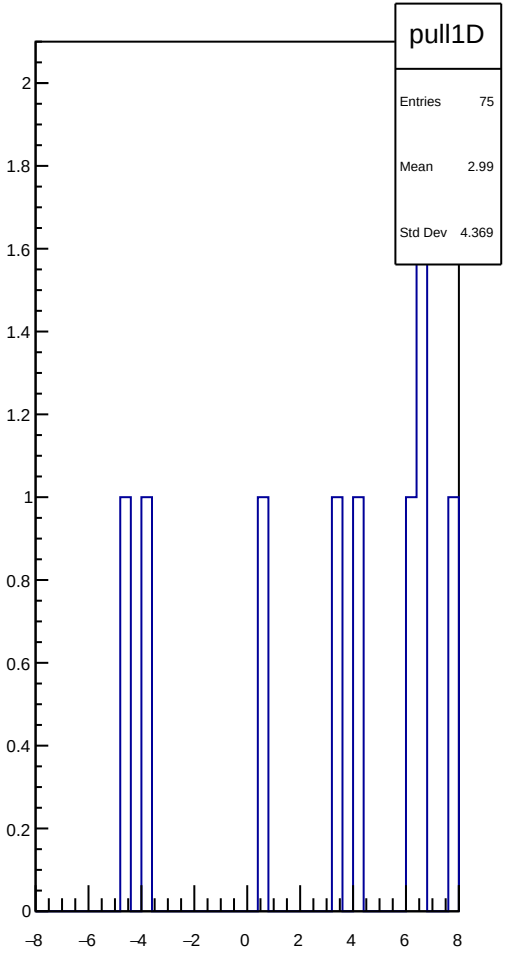

diff_bpm1i06Y_rms vs run
χ² / ndf 3.454e+04 / 74
p0 1875 ± 1.559
2200
2000
1800
1600
1400
1200

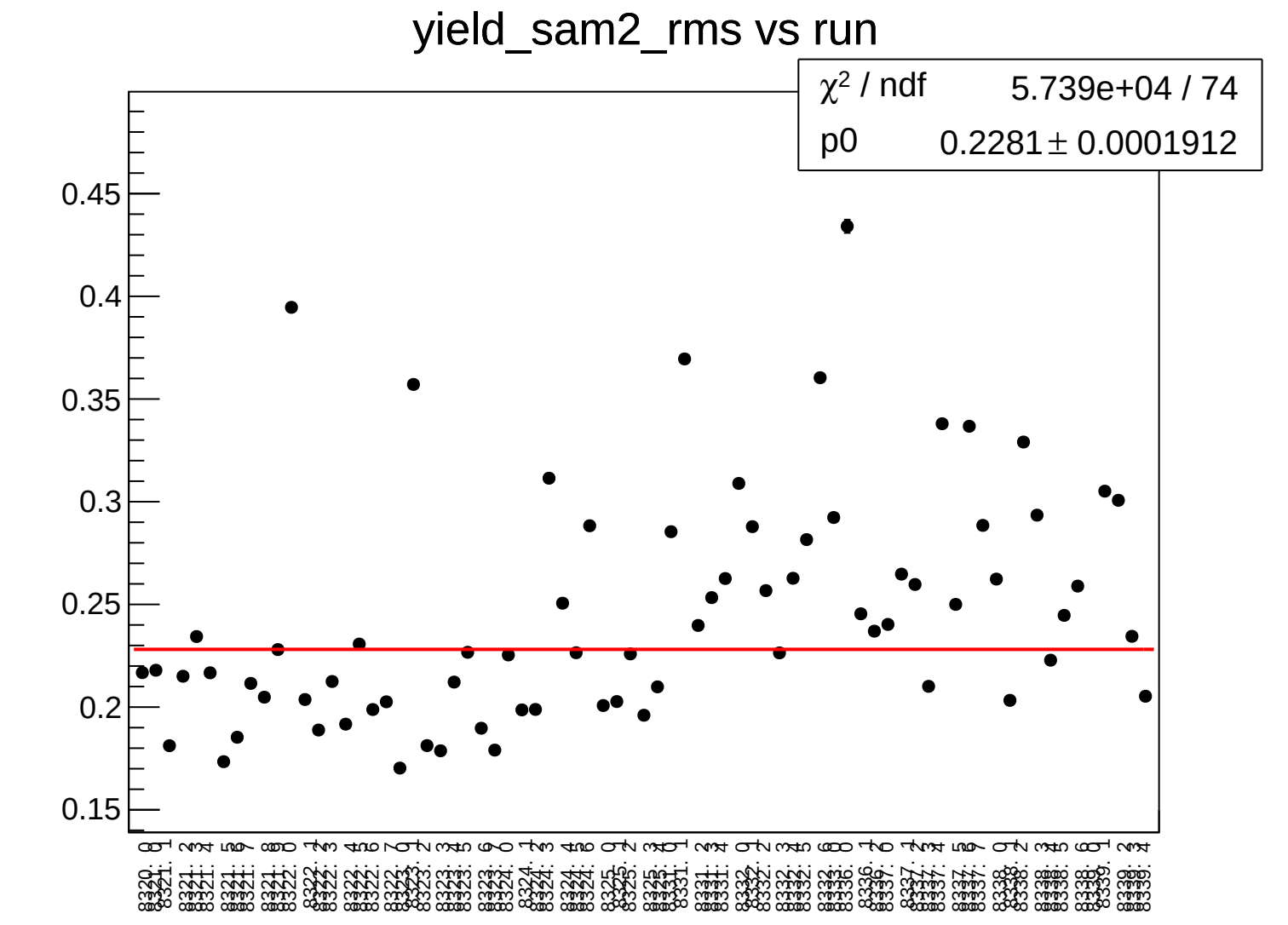

yield_sam1_mean vs run
χ² / ndf 1.391e+07 / 74
p0 14.72 ± 1.271e−05
14.9
14.85
14.8
14.75
14.7
14.65
pull
Entries 75
Mean −347.8
Std Dev 0
1500
1000
500
0
−500

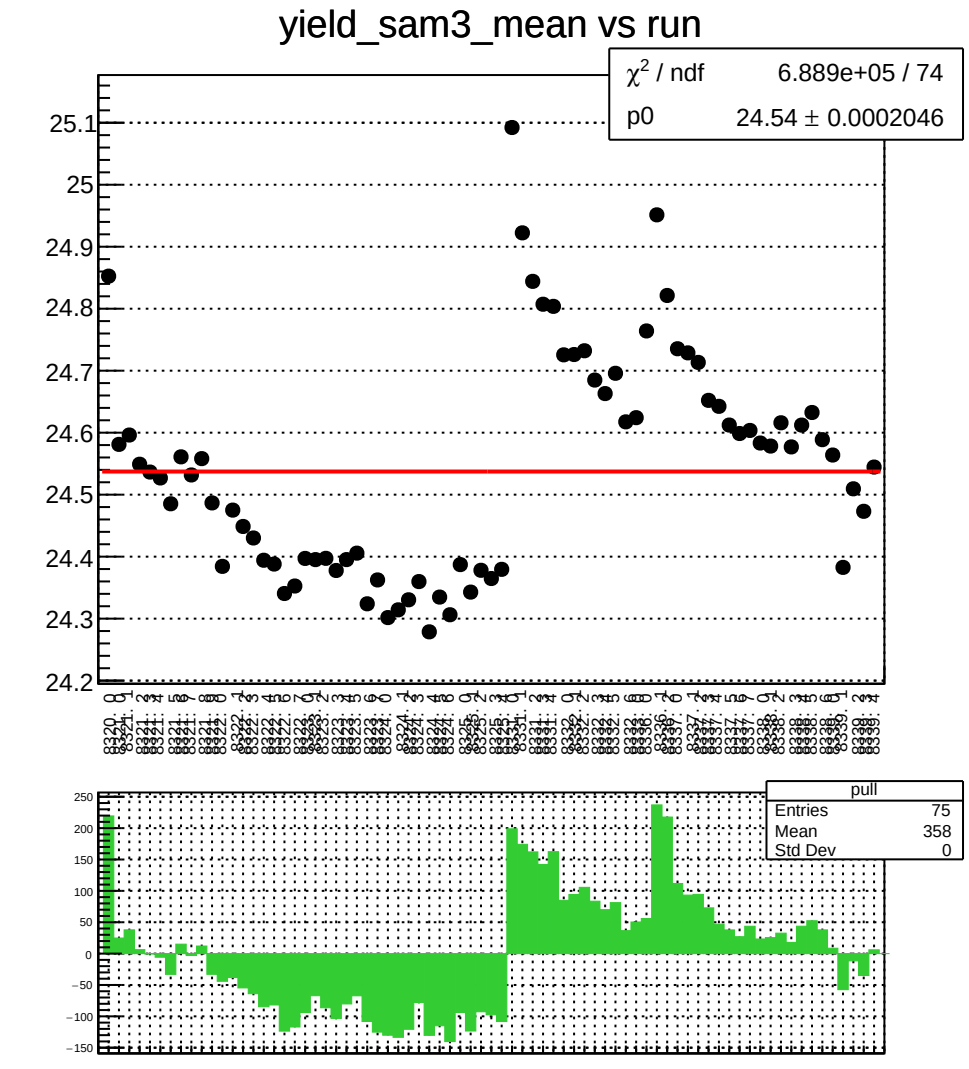

pull1D
Entries 75
Mean 7.701
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

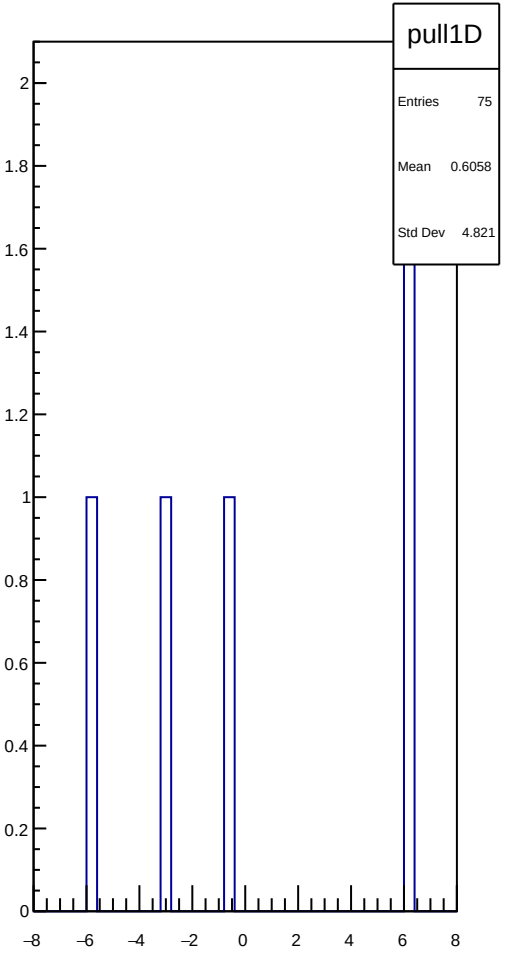

yield_sam1_rms vs run
χ² / ndf 8.144e+04 / 74
p0 0.01063 ± 8.984e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

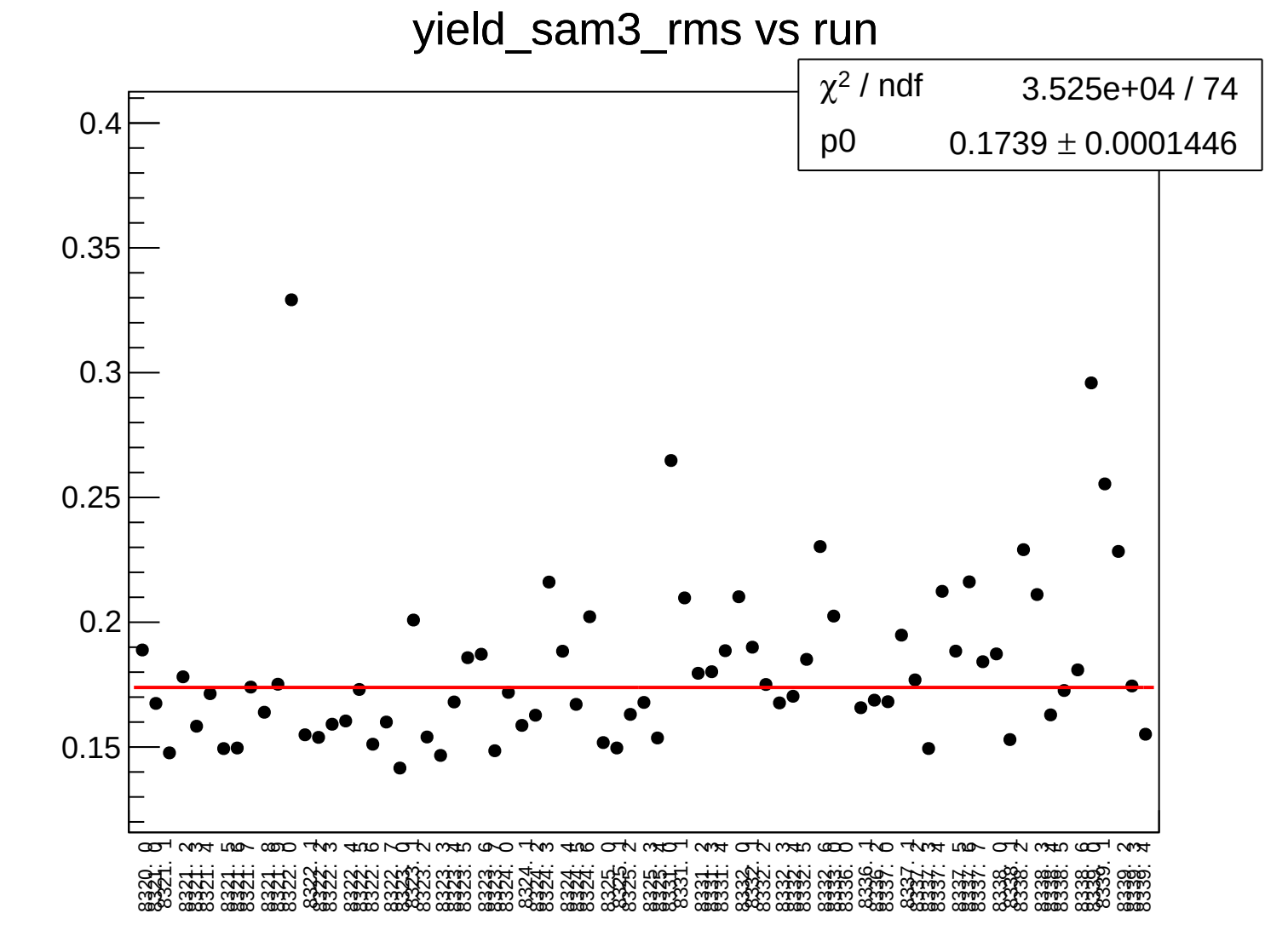

yield_sam2_mean vs run
χ² / ndf 1.187e+05 / 74
p0 25.29 ± 0.0002705
25.7
25.6
25.5
25.4
25.3
25.2
25.1
pull
Entries 75
Mean 216.6
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60

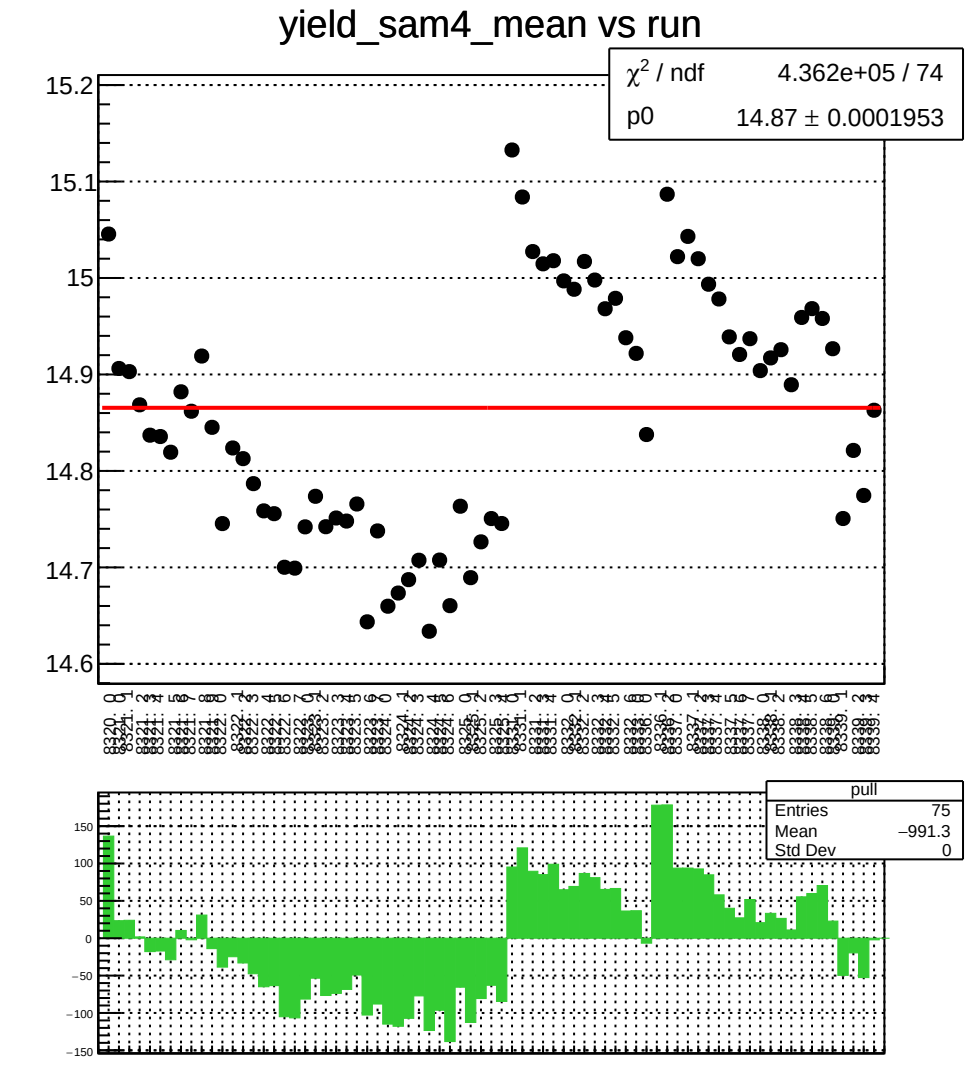

pull1D
Entries 75
Mean 2.99
Std Dev 4.369
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

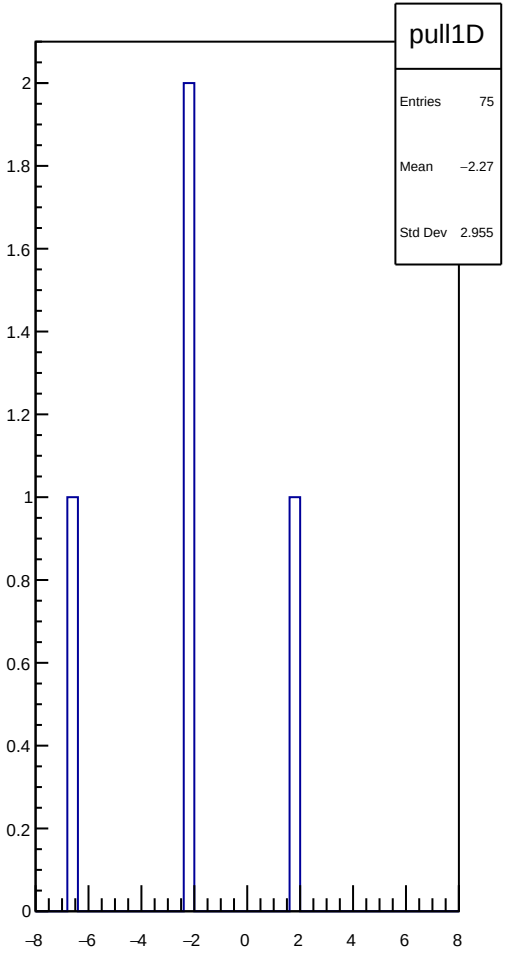

yield_sam2_rms vs run
χ² / ndf 5.739e+04 / 74
p0 0.2281 ± 0.0001912
0.45
0.4
0.35
0.3
0.25
0.2
0.15

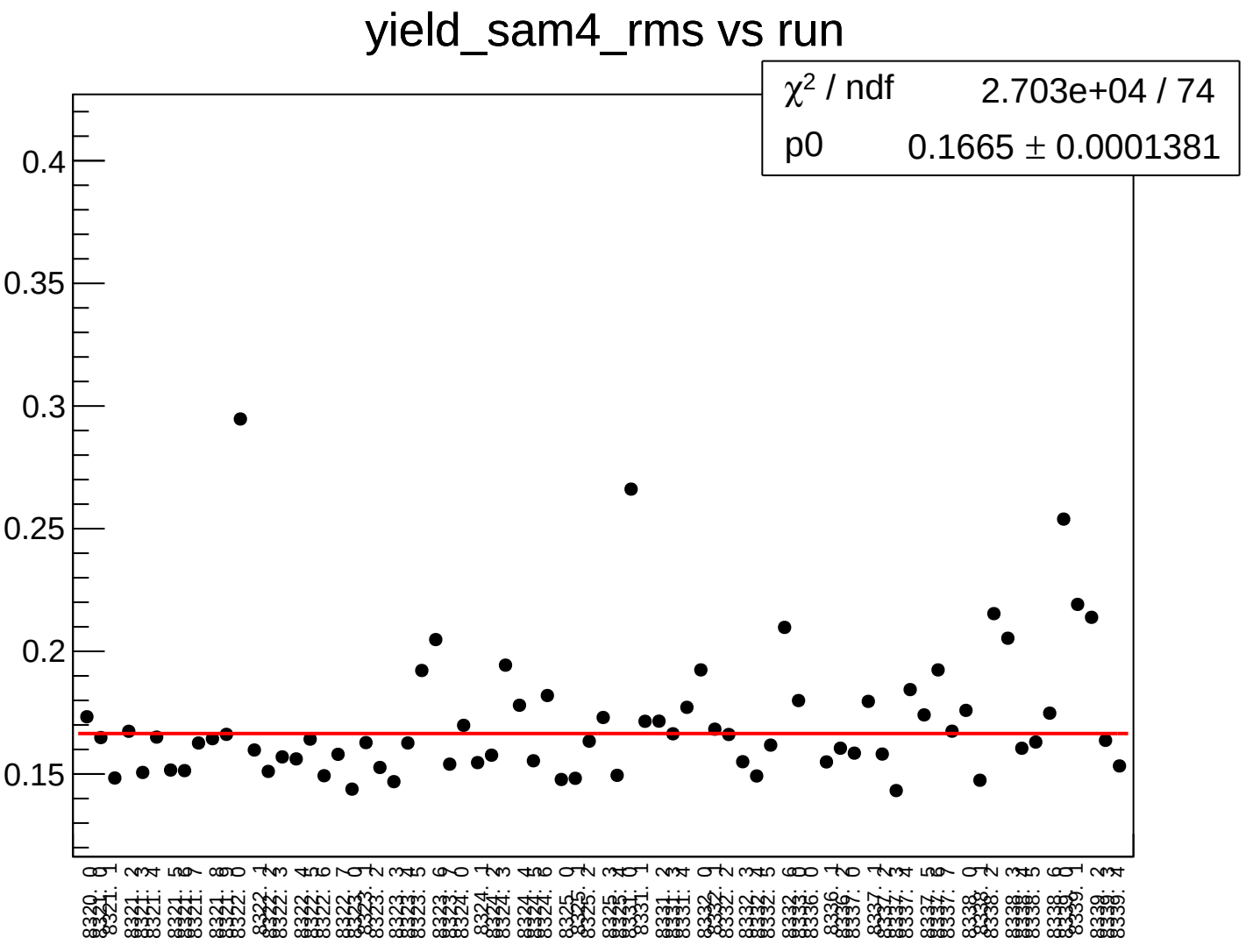

yield_sam3_mean vs run
χ² / ndf 6.889e+05 / 74
p0 24.54 ± 0.0002046
pull
Entries 75
Mean 358
Std Dev 0

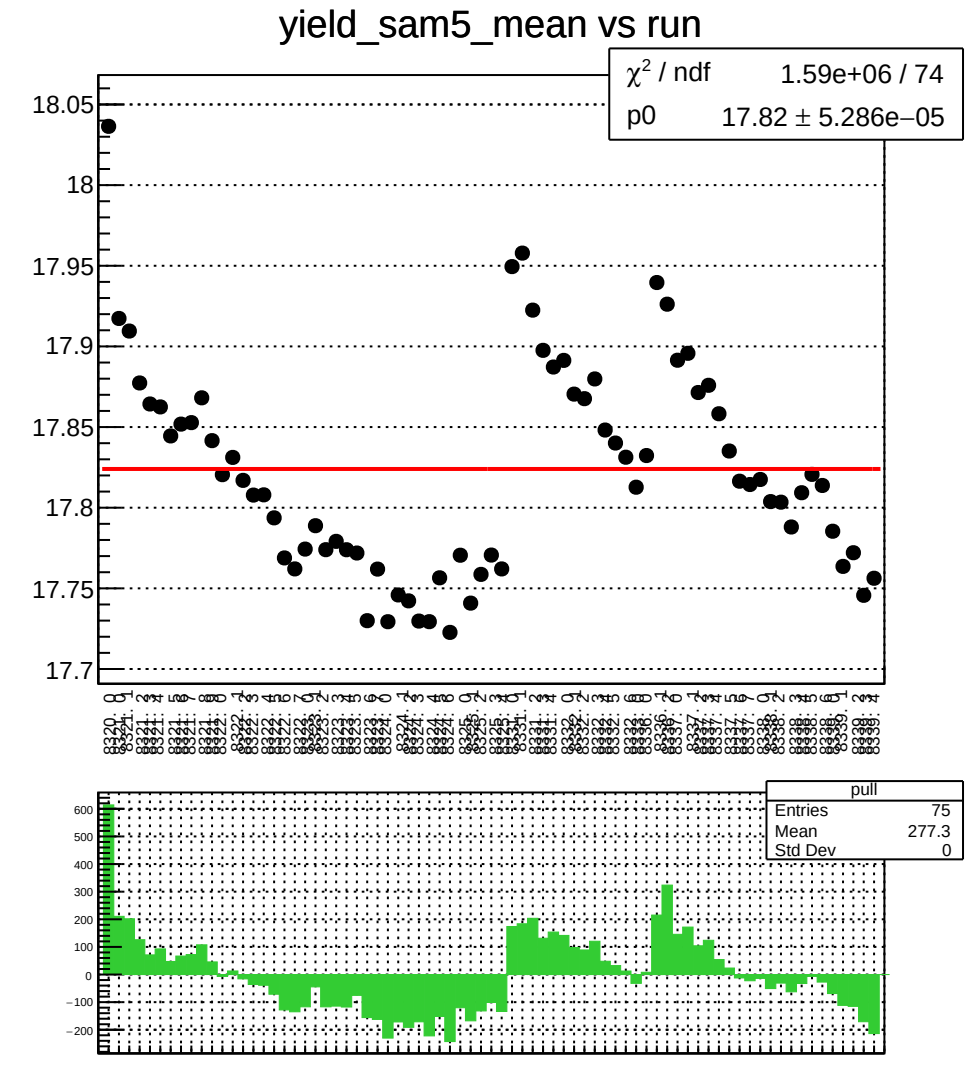

pull1D
Entries 75
Mean 0.6058
Std Dev 4.821

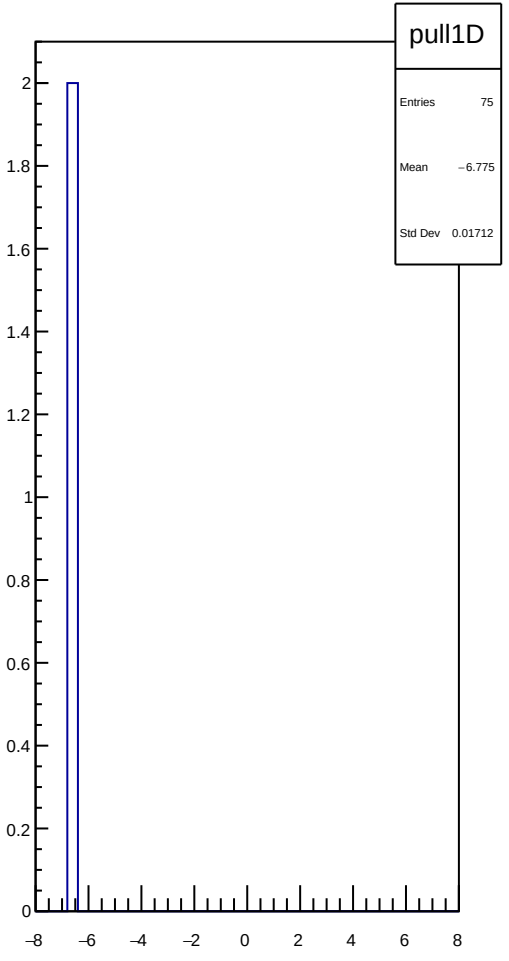

yield_sam3_rms vs run
χ² / ndf 3.525e+04 / 74
p0 0.1739 ± 0.0001446
0.4
0.35
0.3
0.25
0.2
0.15

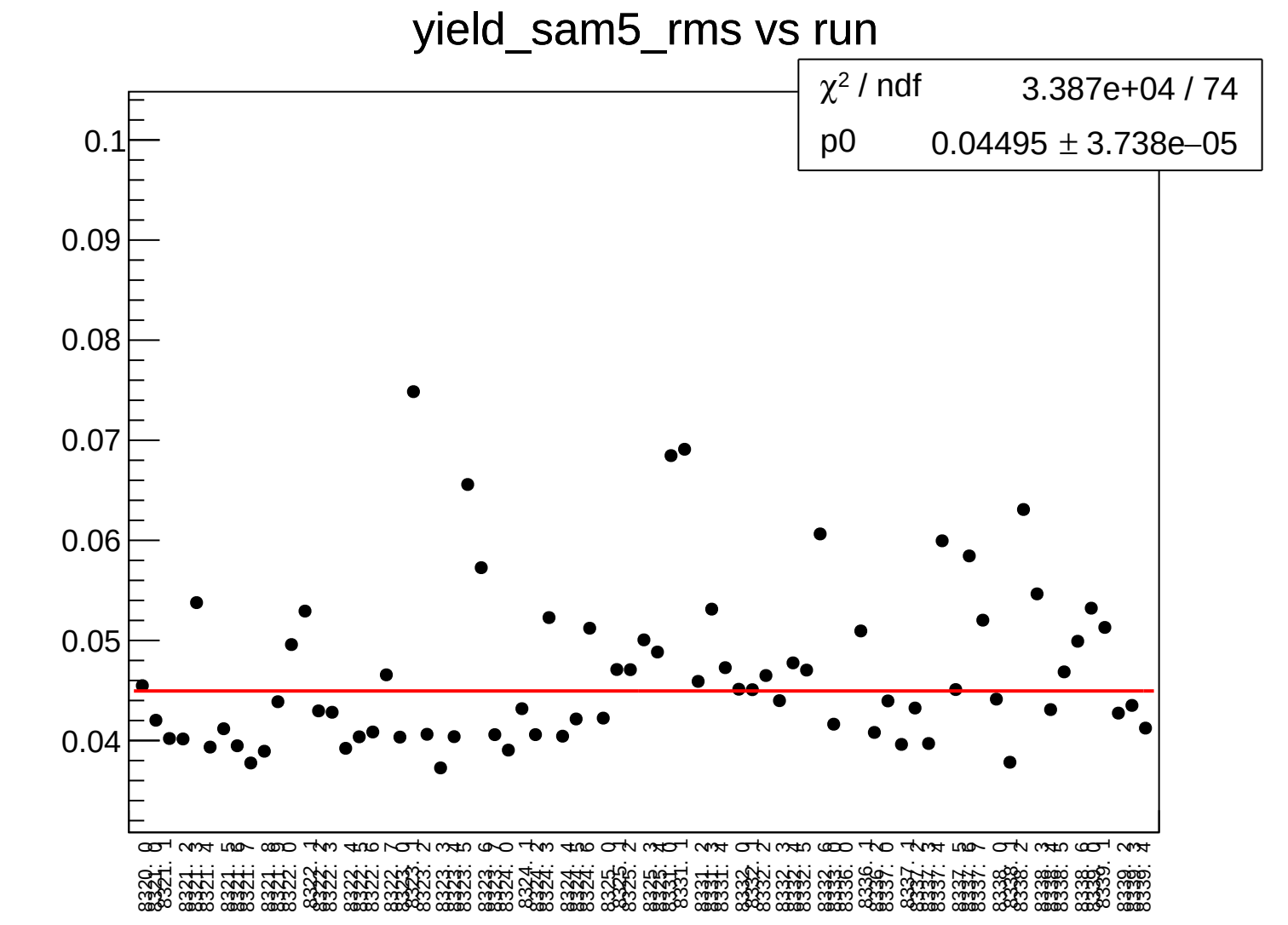

yield_sam4_mean vs run
χ² / ndf 4.362e+05 / 74
p0 14.87 ± 0.0001953
15.2
15.1
15
14.9
14.8
14.7
14.6
pull
Entries 75
Mean −991.3
Std Dev 0
150
100
50
0
−50
−100
−150

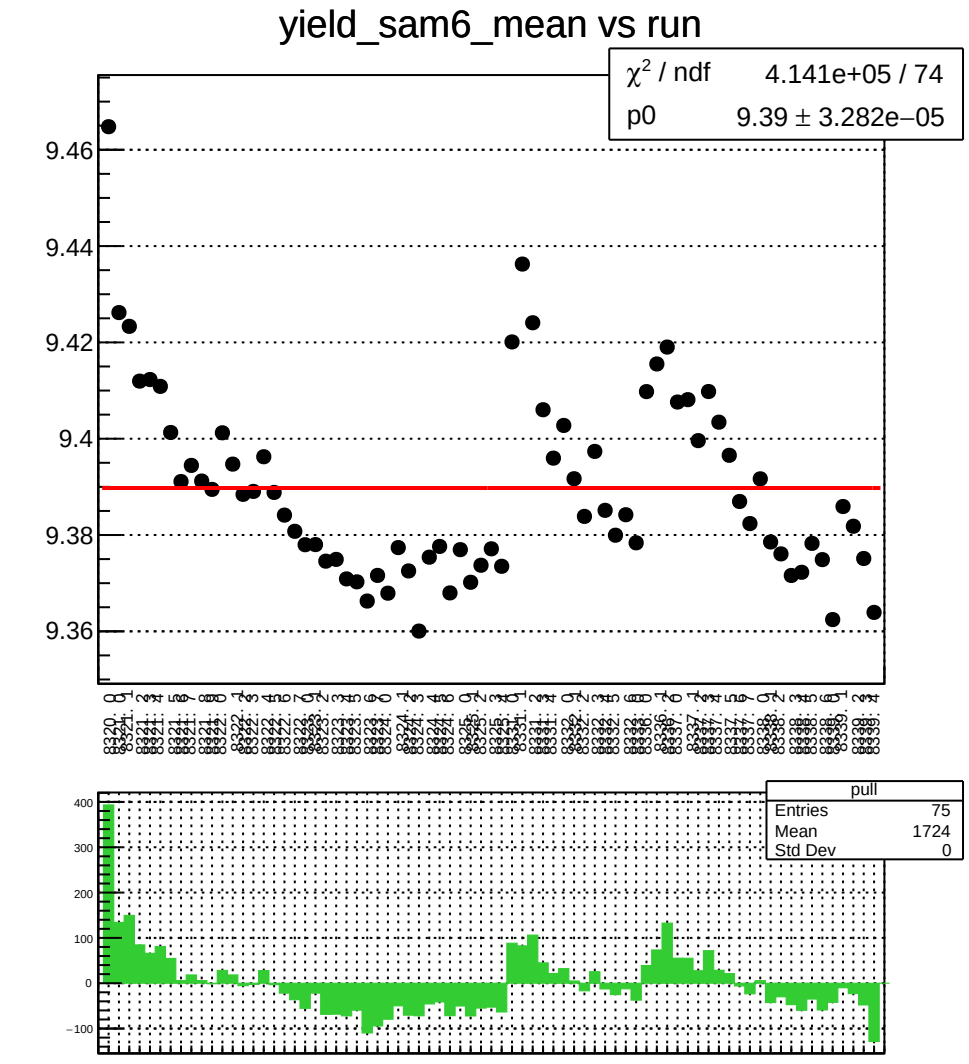

pull1D
Entries 75
Mean −2.27
Std Dev 2.955
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

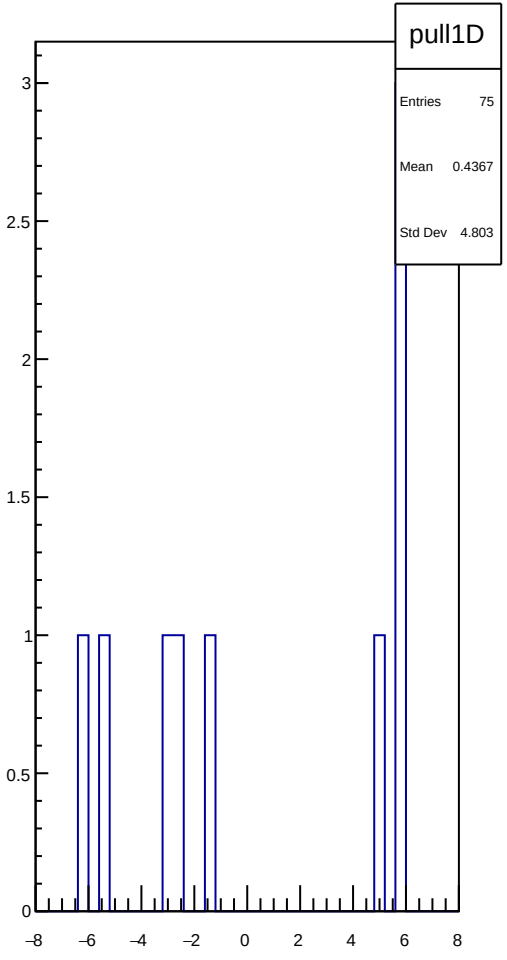

yield_sam4_rms vs run
χ² / ndf 2.703e+04 / 74
p0 0.1665 ± 0.0001381
0.4
0.35
0.3
0.25
0.2
0.15

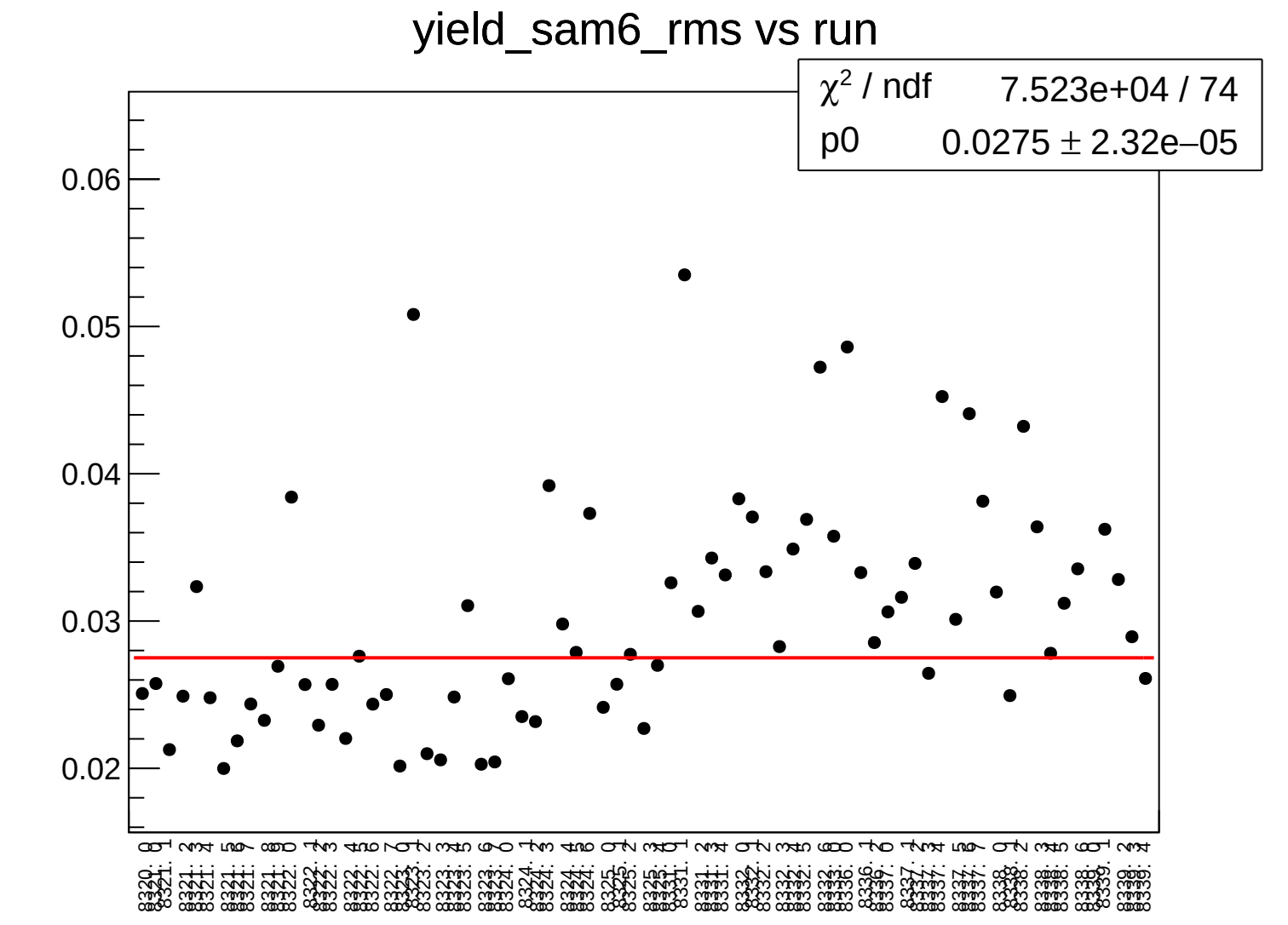

yield_sam5_mean vs run
χ² / ndf 1.59e+06 / 74
p0 17.82 ± 5.286e−05
18.05
18
17.95
17.9
17.85
17.8
17.75
17.7
pull
Entries 75
Mean 277.3
Std Dev 0
600
500
400
300
200
100
0
−100
−200

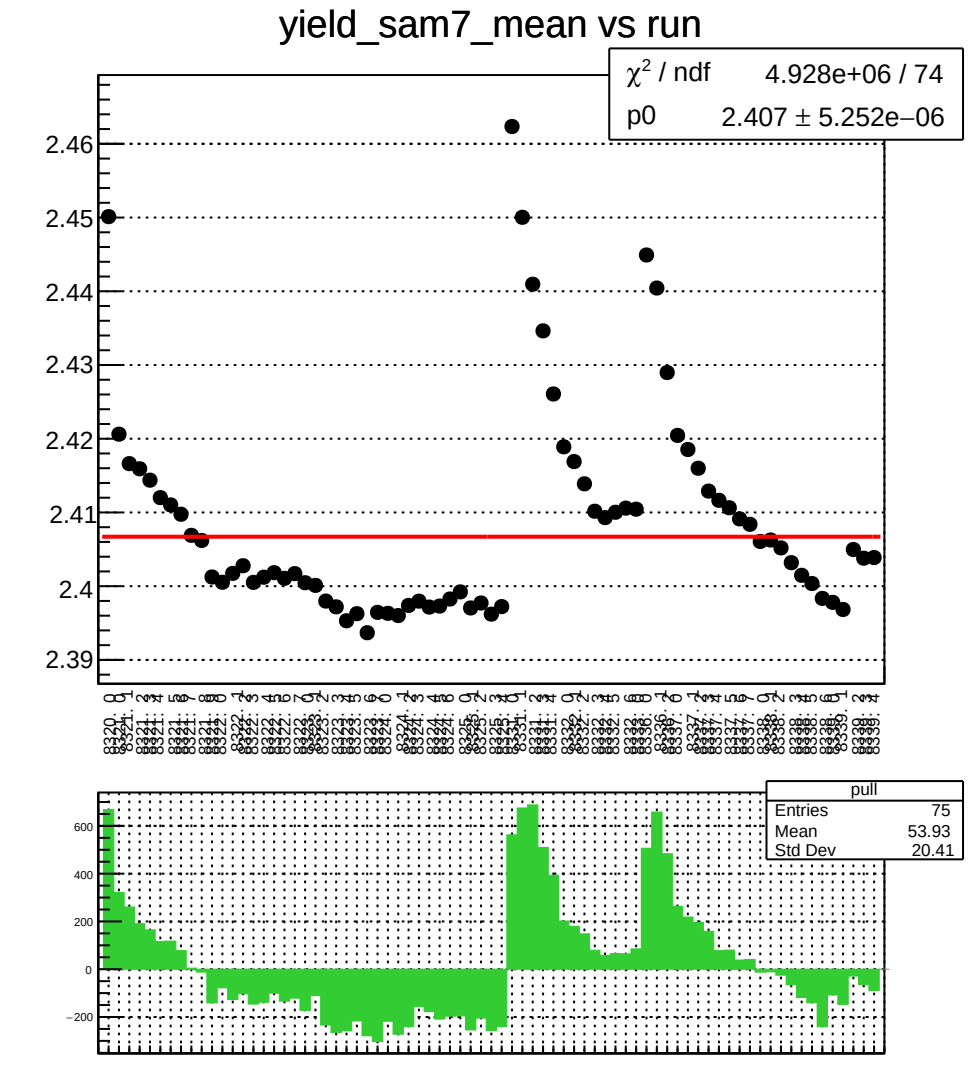

pull1D
Entries 75
Mean −6.775
Std Dev 0.01712
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

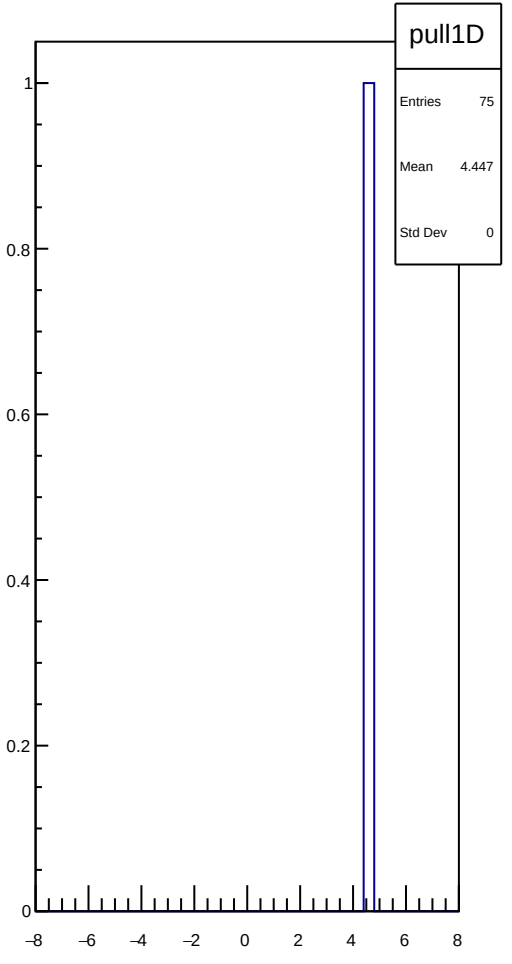

yield_sam5_rms vs run
χ^2 / ndf 3.387e+04 / 74
p0 0.04495 ± 3.738e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

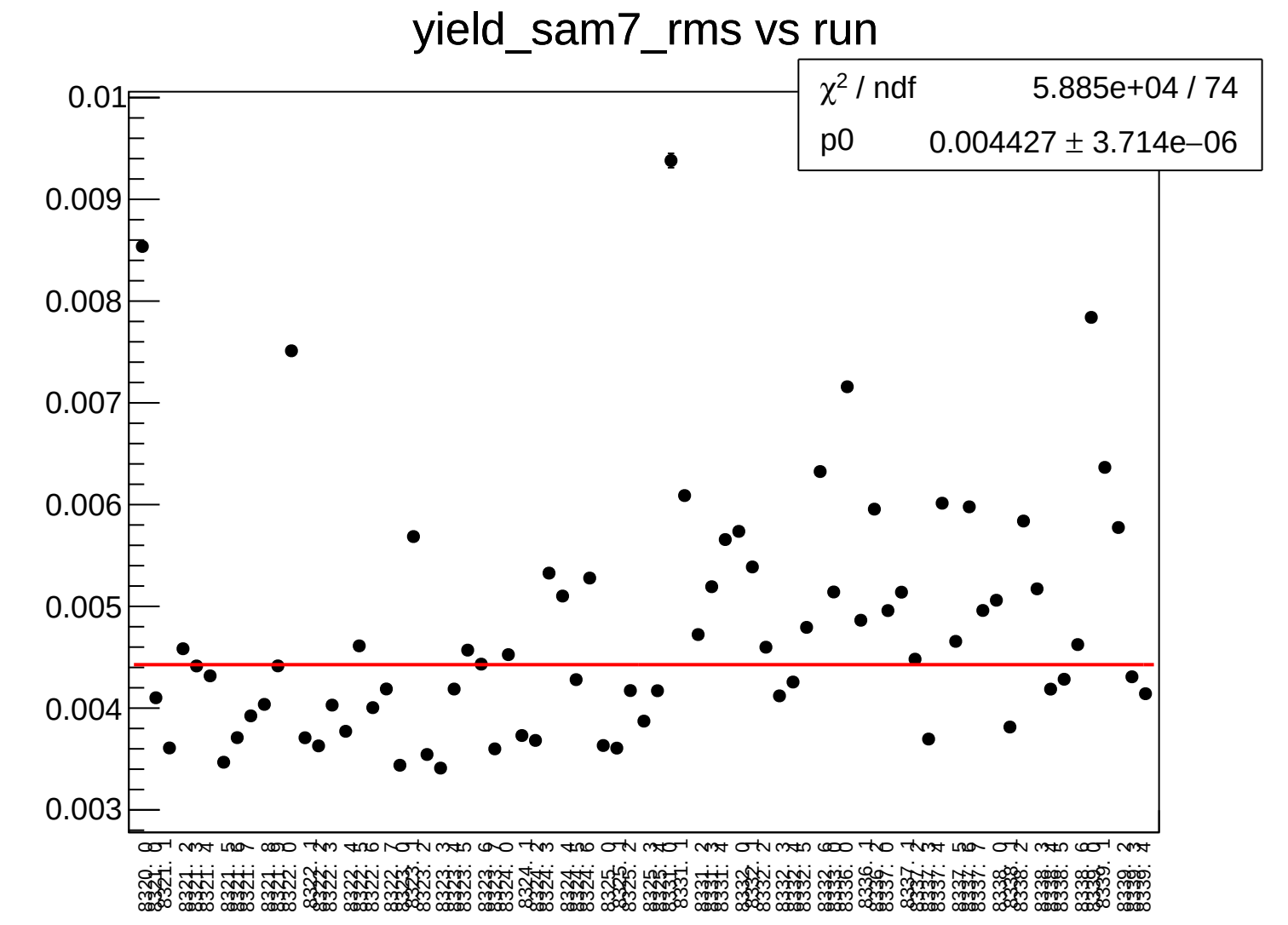

yield_sam6_mean vs run
χ² / ndf 4.141e+05 / 74
p0 9.39 ± 3.282e−05
9.46
9.44
9.42
9.4
9.38
9.36
pull
Entries 75
Mean 1724
Std Dev 0
400
300
200
100
0
−100

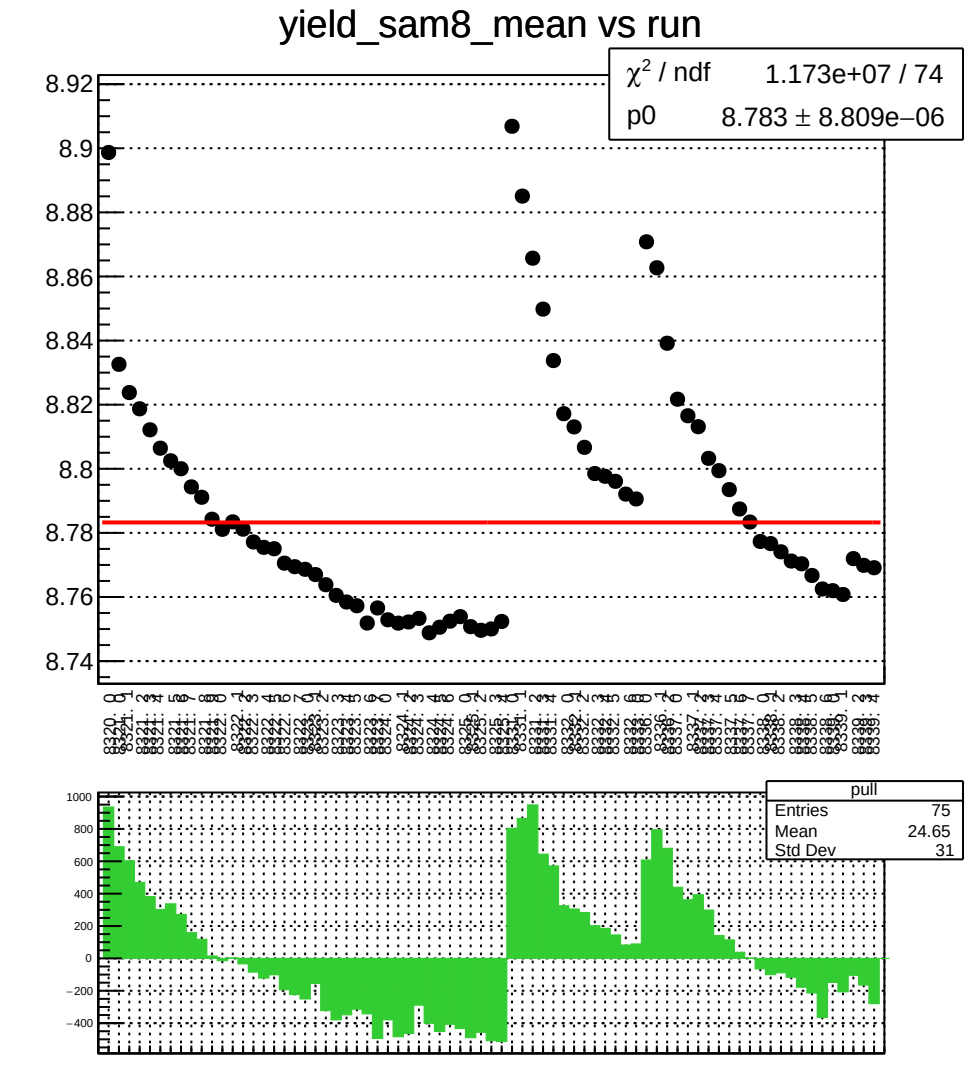

pull1D
Entries 75
Mean 0.4367
Std Dev 4.803
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

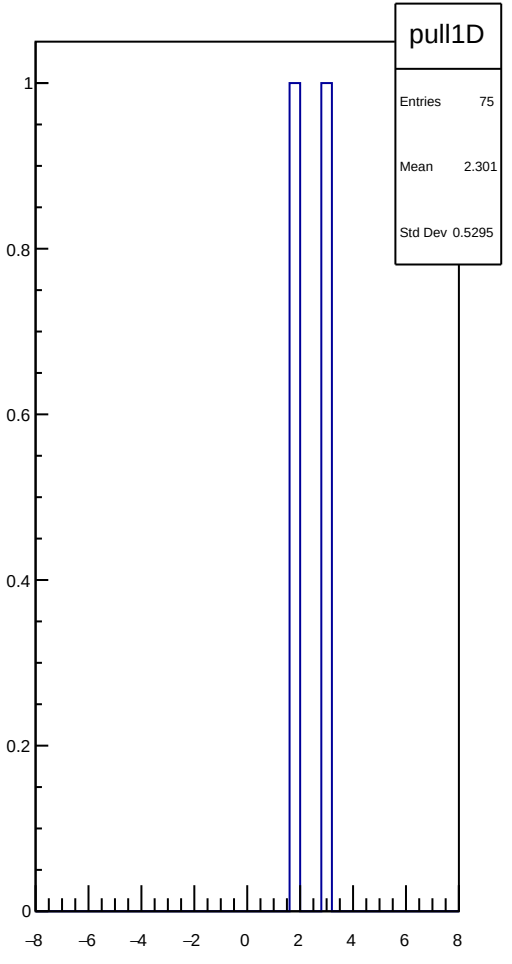

yield_sam6_rms vs run
χ² / ndf 7.523e+04 / 74
p0 0.0275 ± 2.32e−05
0.06
0.05
0.04
0.03
0.02

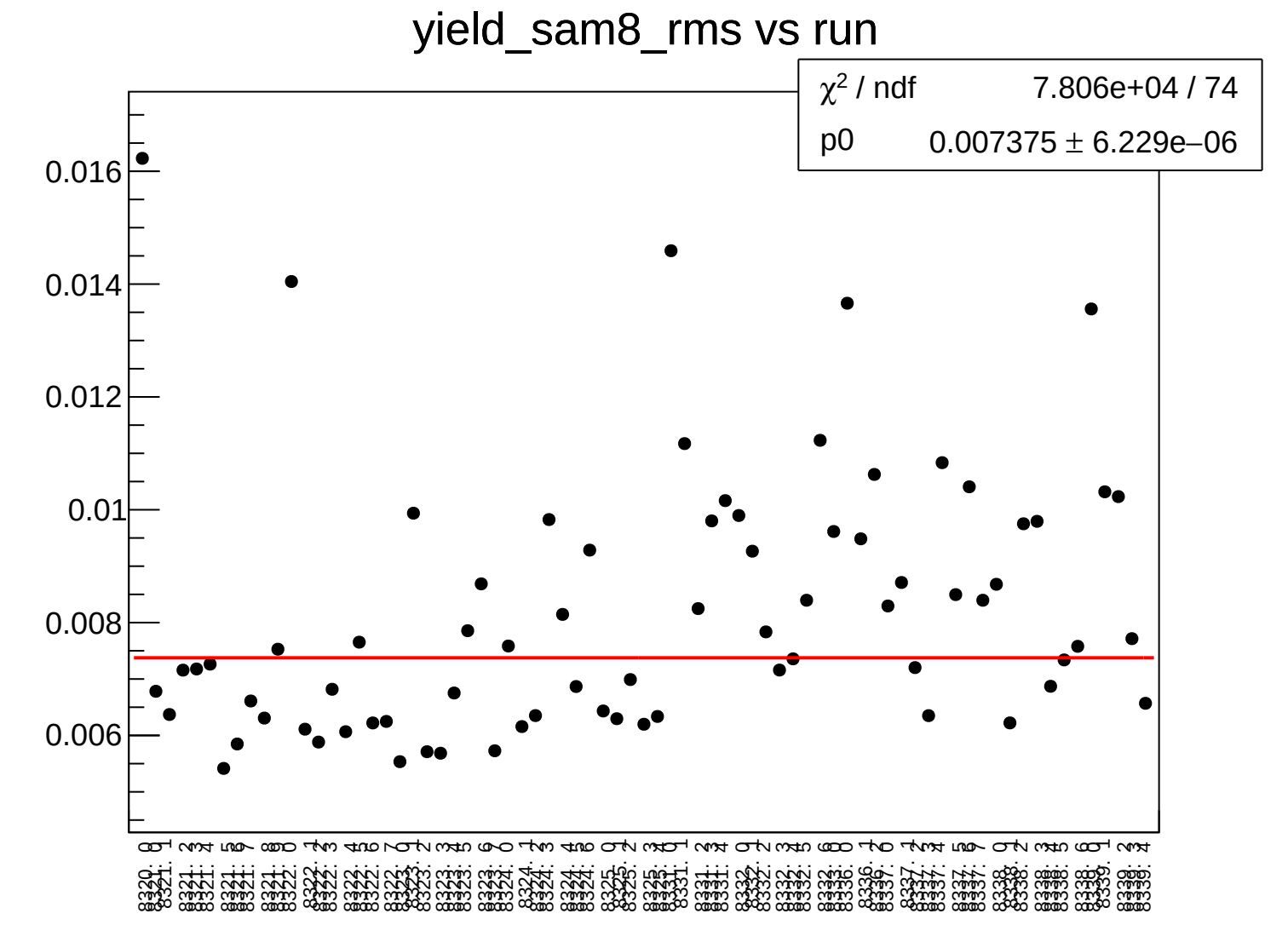

yield_sam7_mean vs run
χ² / ndf 4.928e+06 / 74
p0 2.407 ± 5.252e−06
2.46
2.45
2.44
2.43
2.42
2.41
2.4
2.39
pull
Entries 75
Mean 53.93
Std Dev 20.41
600
400
200
0
−200

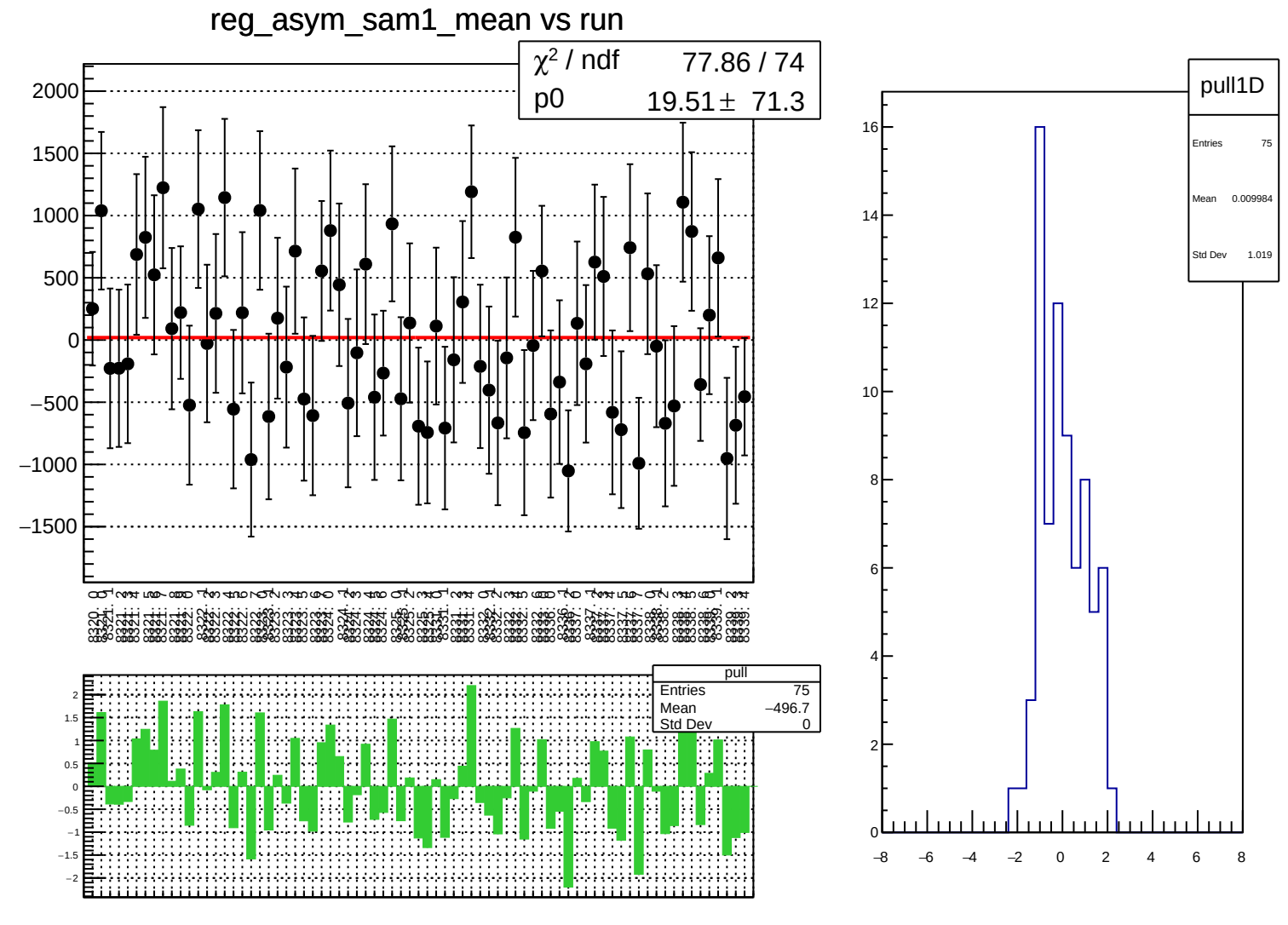

pull1D
Entries 75
Mean 4.447
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

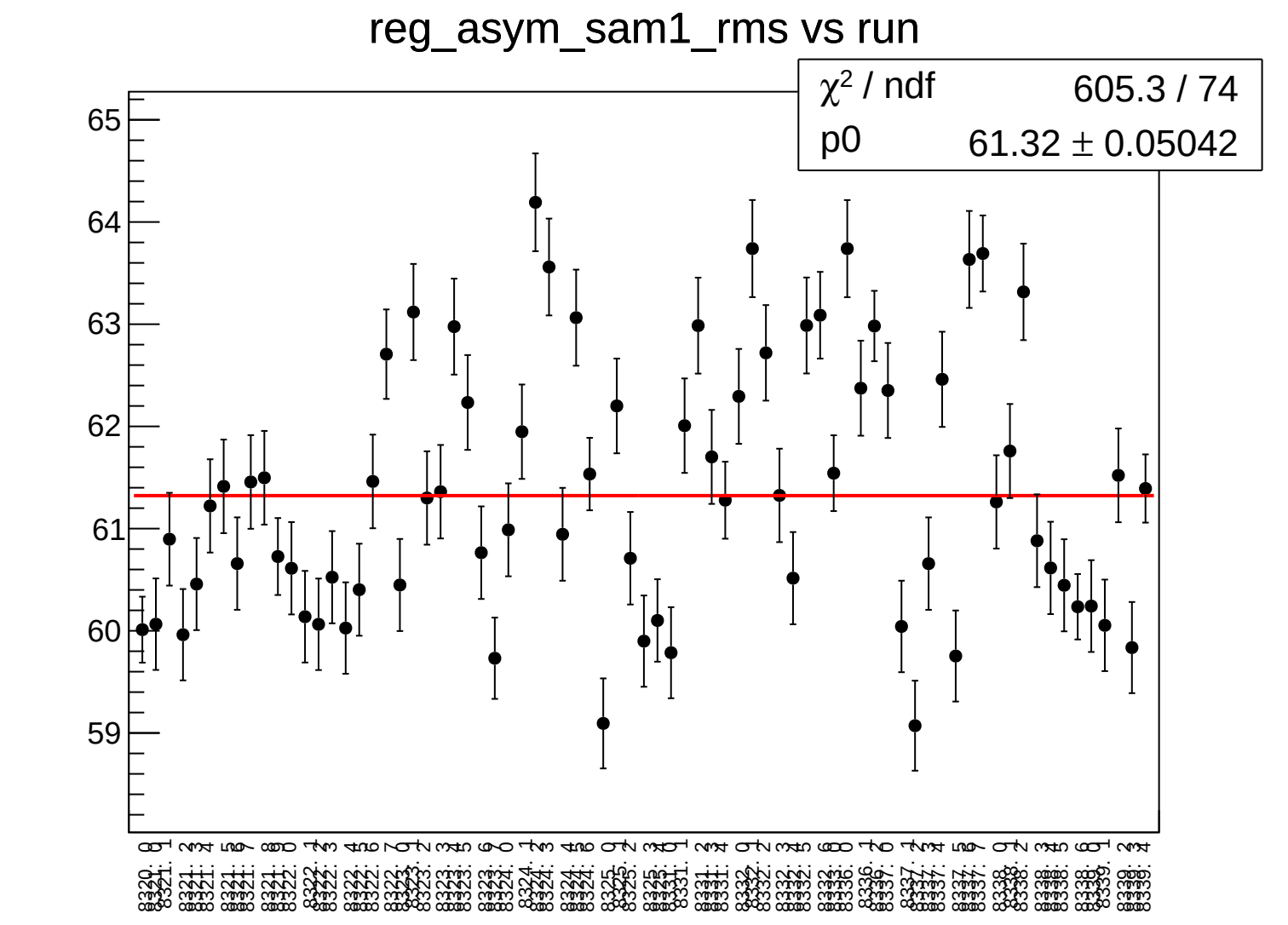

yield_sam7_rms vs run
χ^2 / ndf 5.885e+04 / 74
p0 0.004427 ± 3.714e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

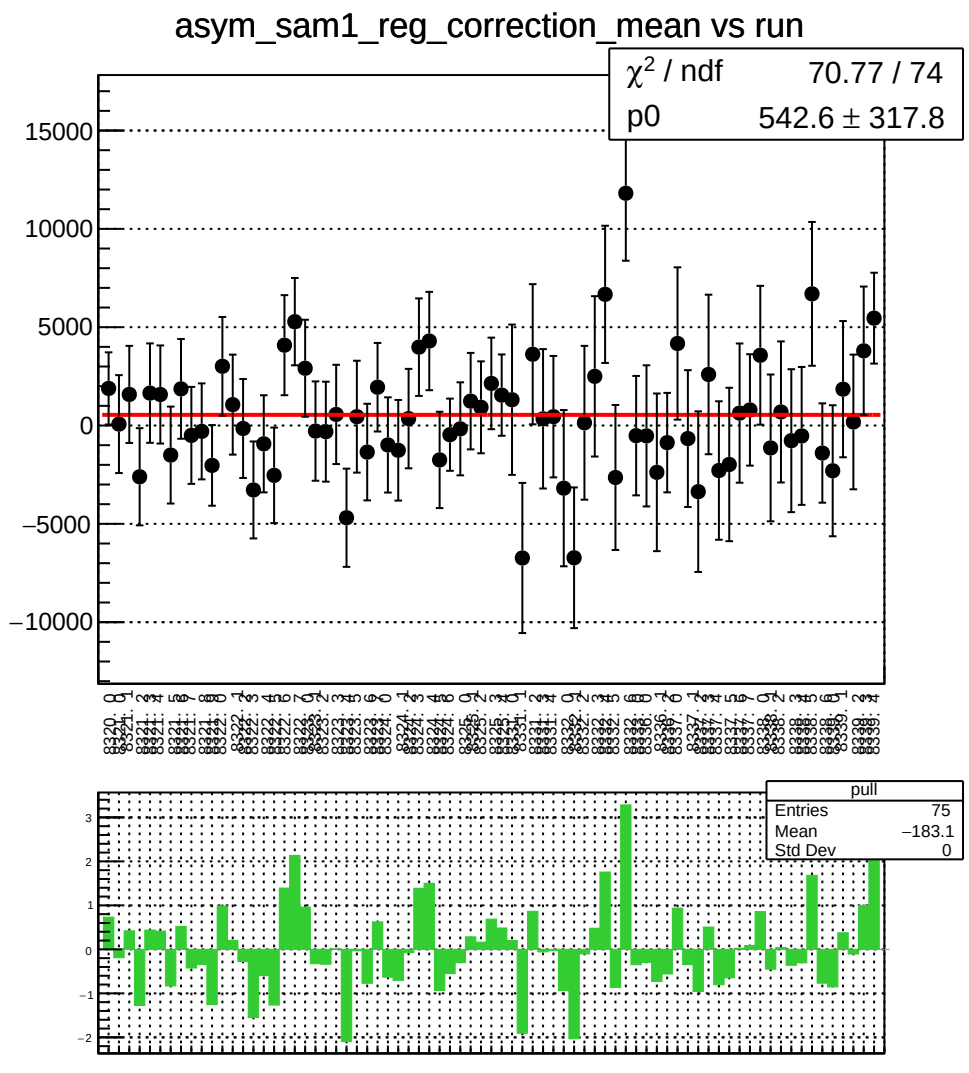

yield_sam8_mean vs run
χ² / ndf 1.173e+07 / 74
p0 8.783 ± 8.809e−06
8.92
8.9
8.88
8.86
8.84
8.82
8.8
8.78
8.76
8.74
pull
Entries 75
Mean 24.65
Std Dev 31
1000
800
600
400
200
0
−200
−400

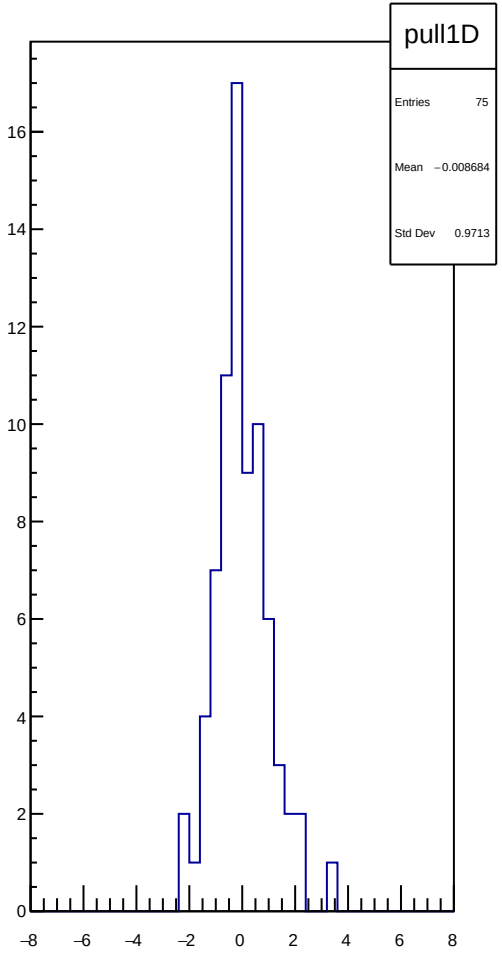

pull1D
Entries 75
Mean 2.301
Std Dev 0.5295
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

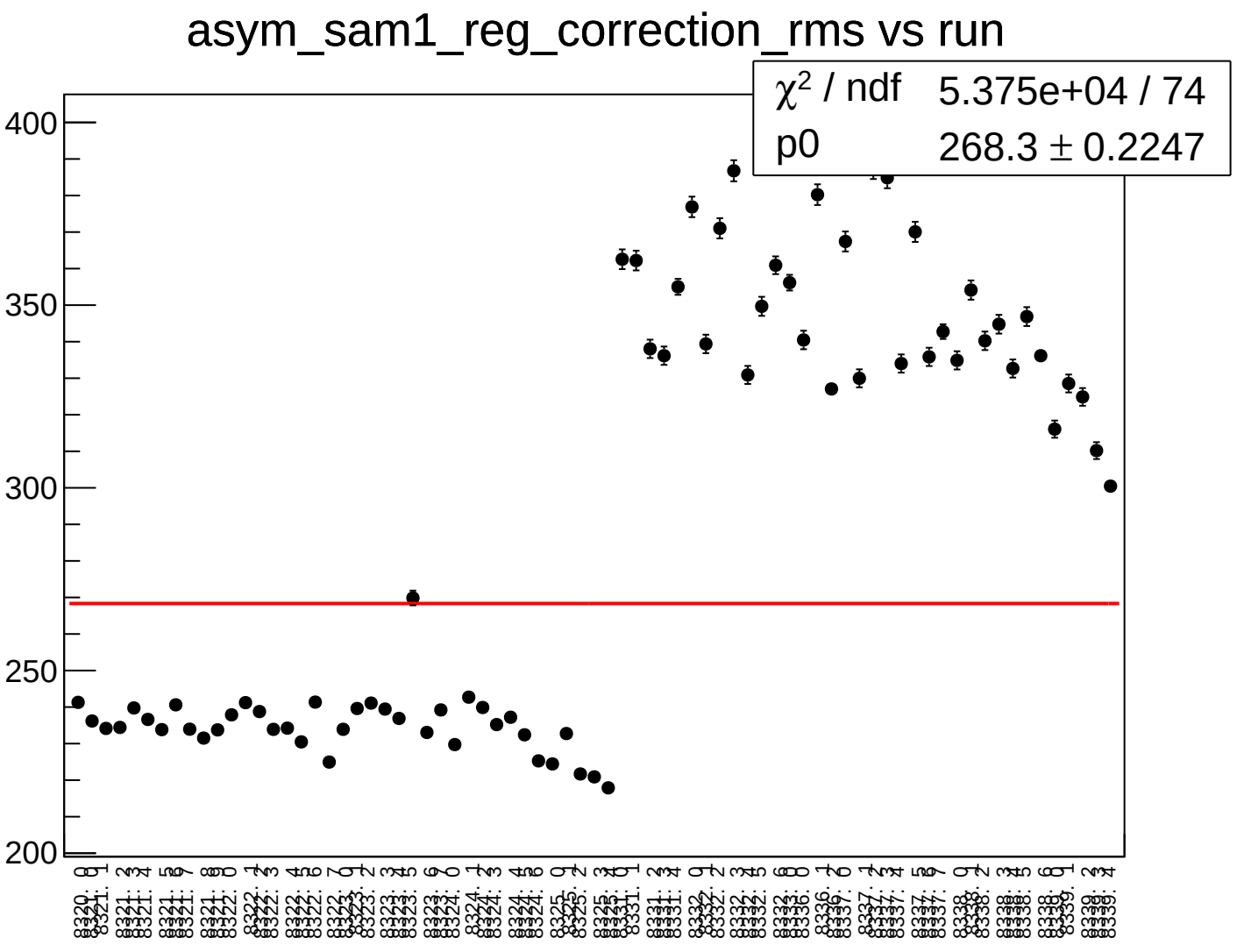

yield_sam8_rms vs run
χ² / ndf 7.806e+04 / 74
p0 0.007375 ± 6.229e−06
0.016
0.014
0.012
0.01
0.008
0.006

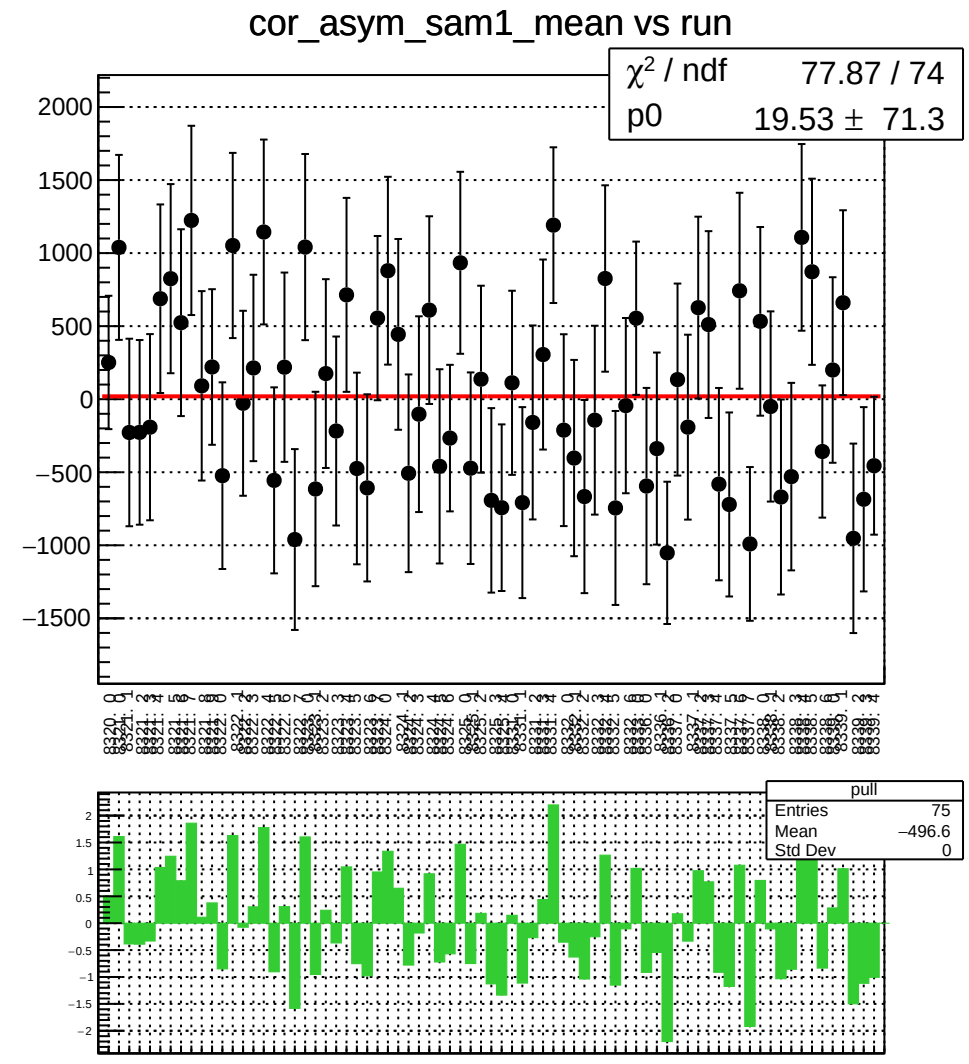

reg_asym_sam1_mean vs run
χ² / ndf 77.86 / 74
p0 19.51 ± 71.3
pull
Entries 75
Mean −496.7
Std Dev 0
pull1D
Entries 75
Mean 0.009984
Std Dev 1.019

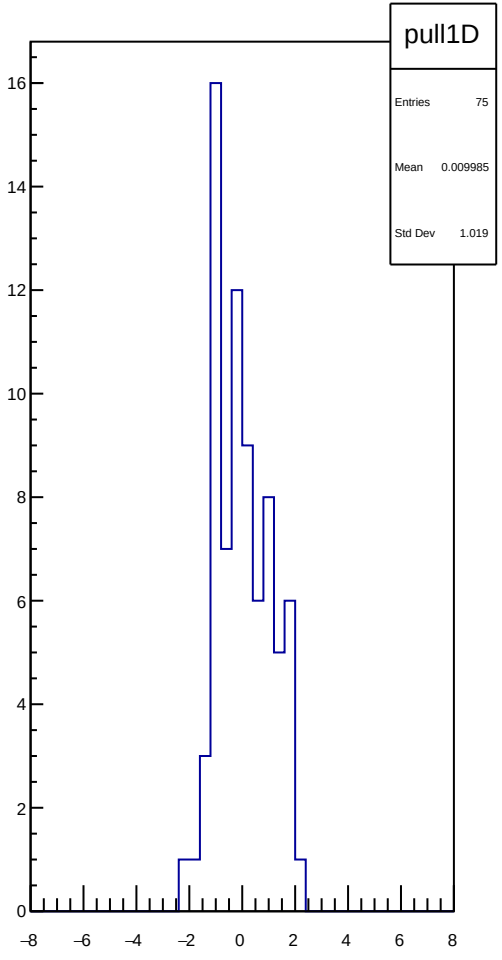

reg_asym_sam1_rms vs run
χ² / ndf 605.3 / 74
p0 61.32 ± 0.05042
65
64
63
62
61
60
59

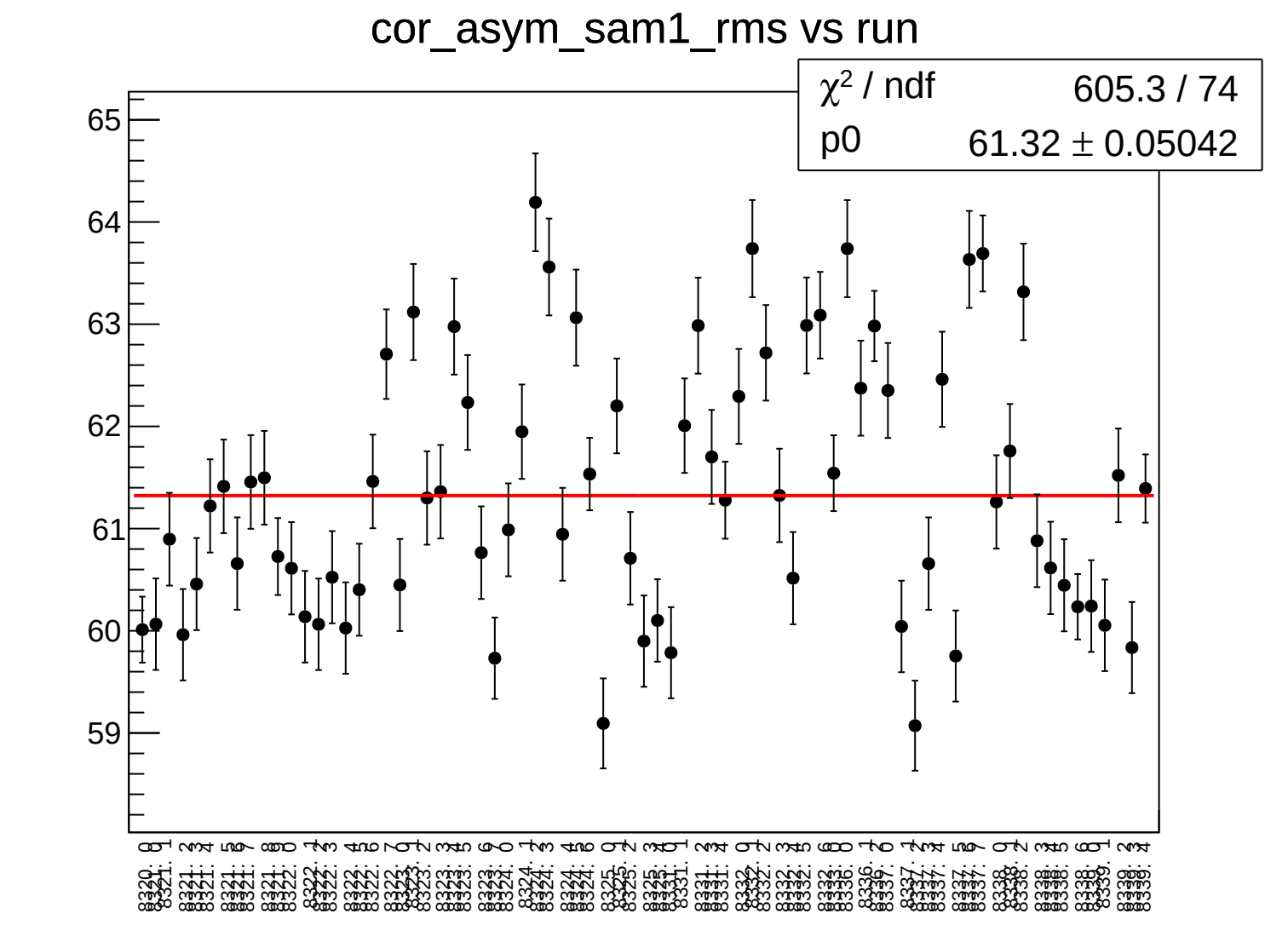

asym_sam1_reg_correction_mean vs run
χ² / ndf 70.77 / 74
p0 542.6 ± 317.8
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −183.1
Std Dev 0
3
2
1
0
−1
−2

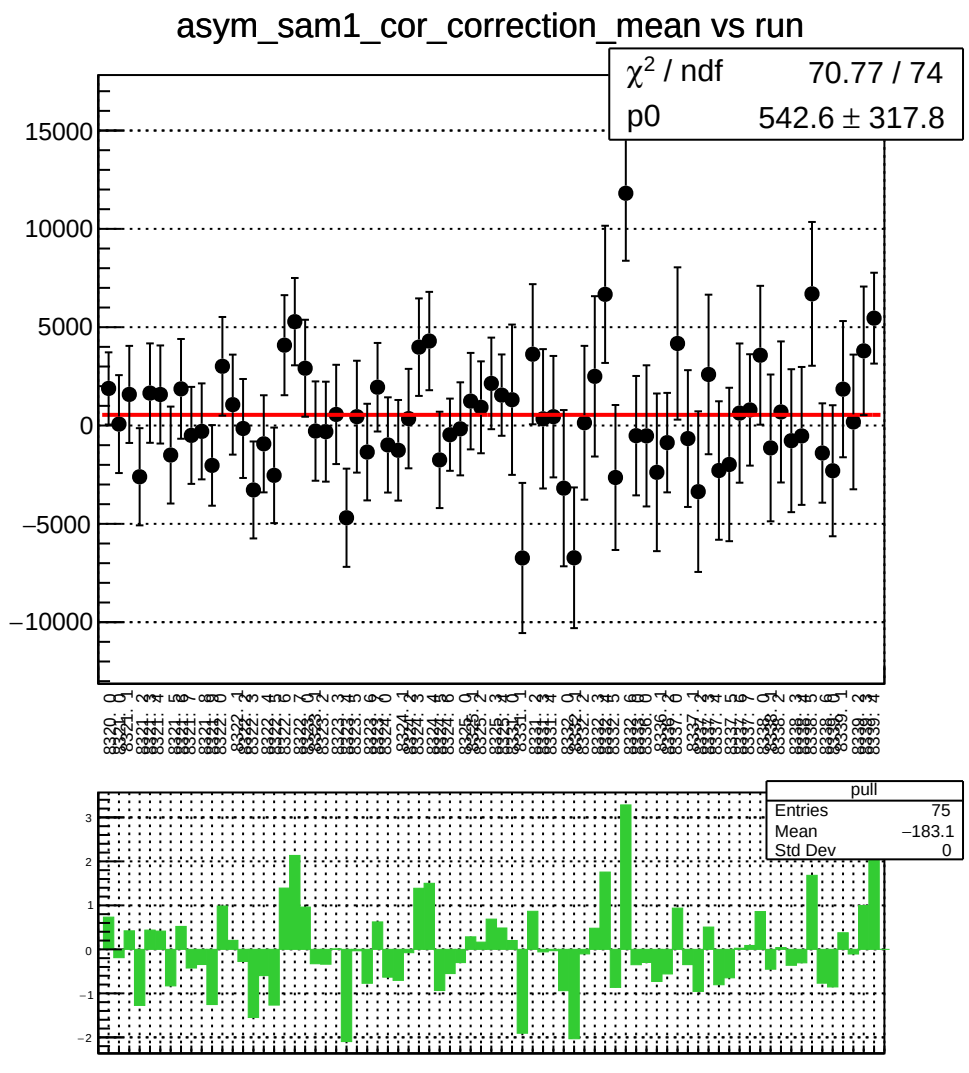

pull1D
Entries 75
Mean −0.008684
Std Dev 0.9713
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

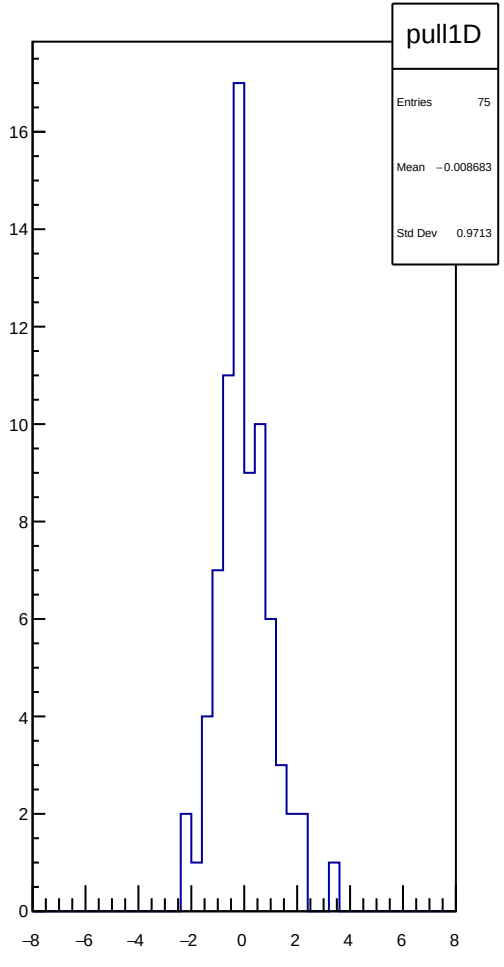

asym_sam1_reg_correction_rms vs run
χ² / ndf 5.375e+04 / 74
p0 268.3 ± 0.2247
400
350
300
250
200

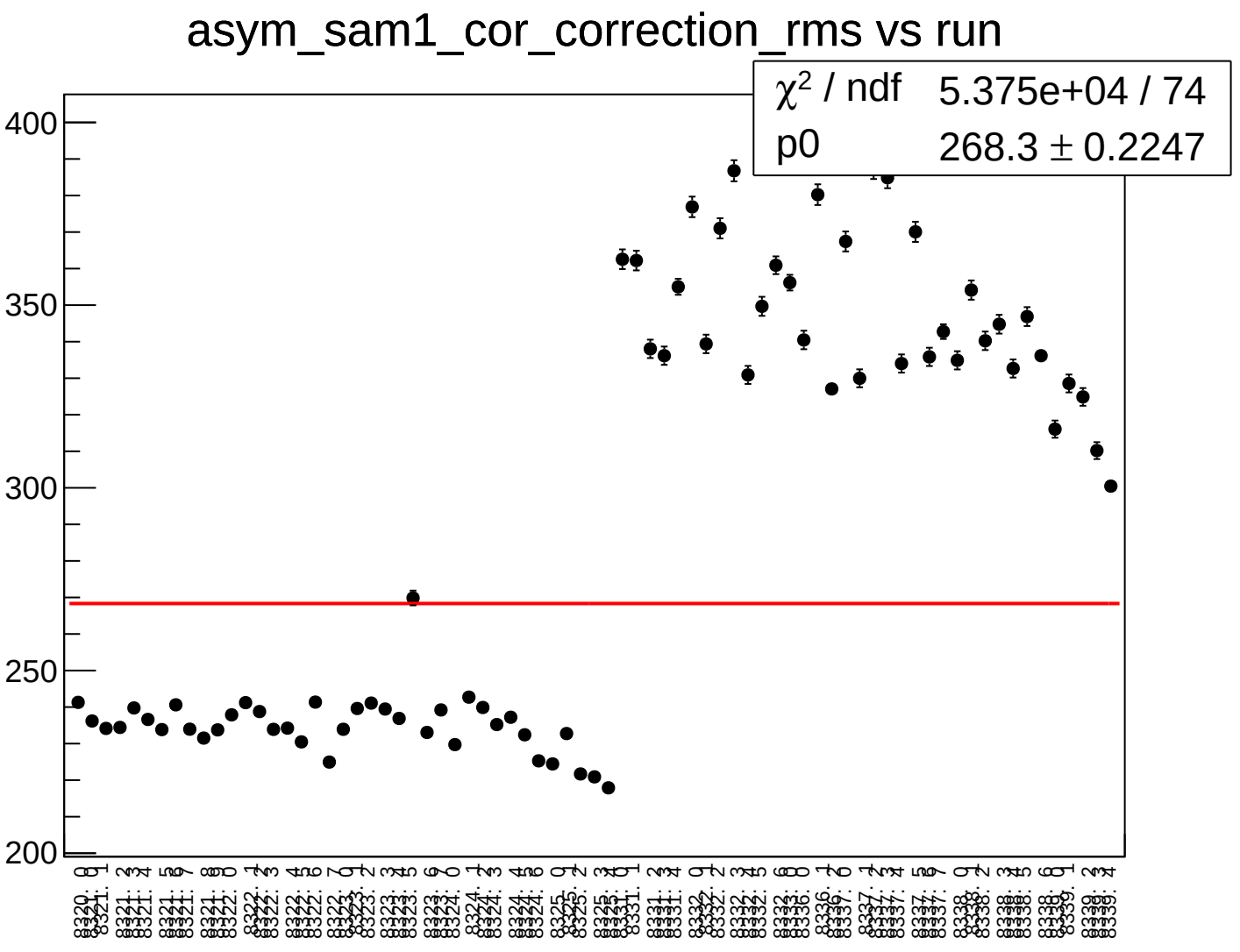

cor_asym_sam1_mean vs run
χ² / ndf 77.87 / 74
p0 19.53 ± 71.3
pull
Entries 75
Mean −496.6
Std Dev 0

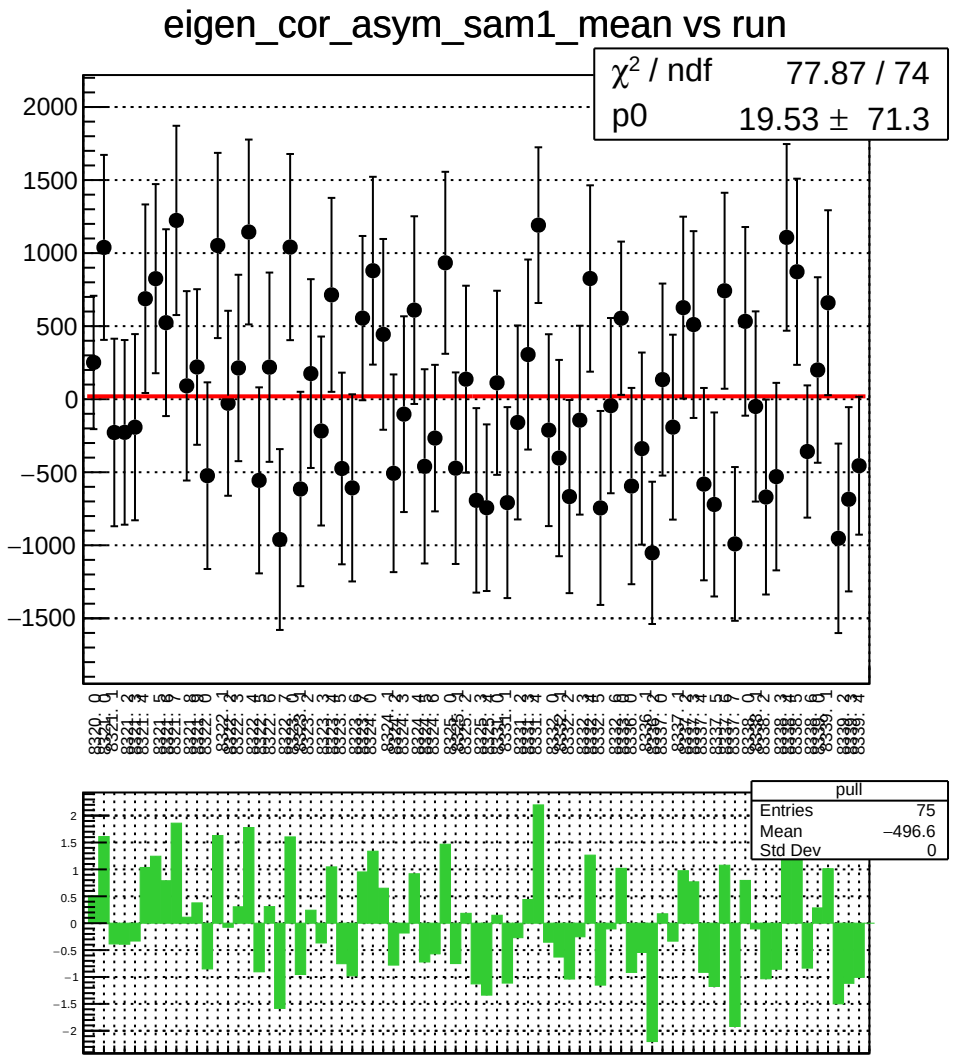

pull1D
Entries 75
Mean 0.009985
Std Dev 1.019

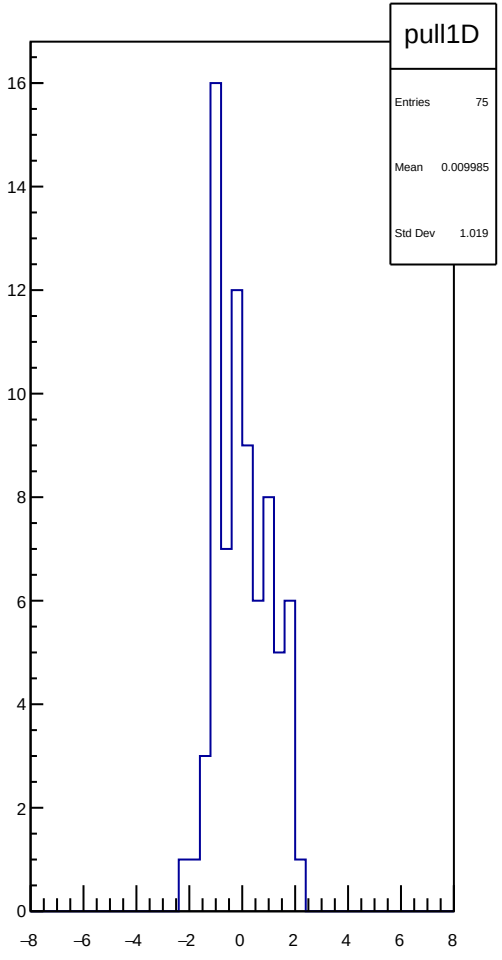

cor_asym_sam1_rms vs run
χ² / ndf 605.3 / 74
p0 61.32 ± 0.05042
65
64
63
62
61
60
59

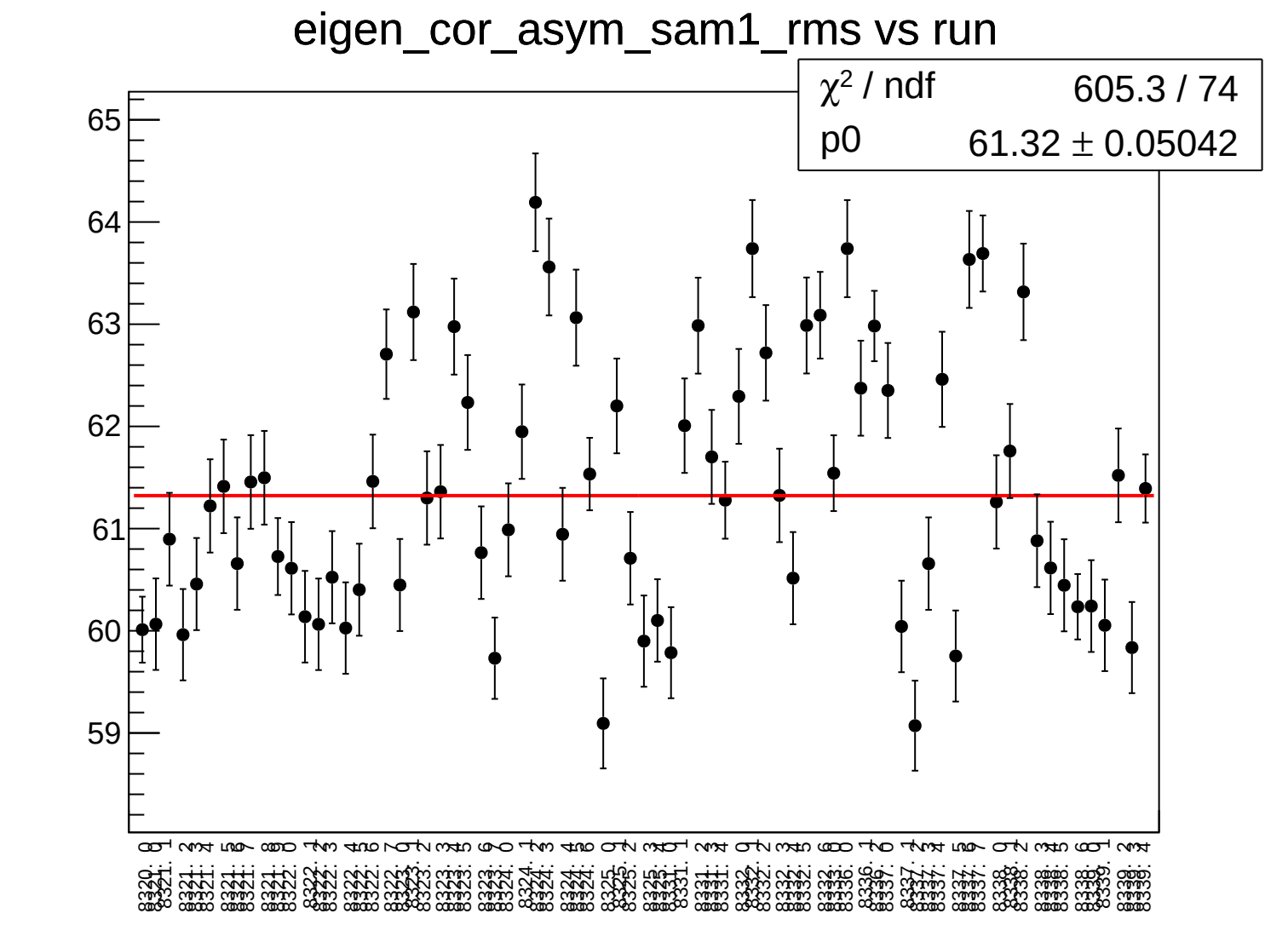

asym_sam1_cor_correction_mean vs run
χ² / ndf 70.77 / 74
p0 542.6 ± 317.8
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −183.1
Std Dev 0
3
2
1
0
−1
−2

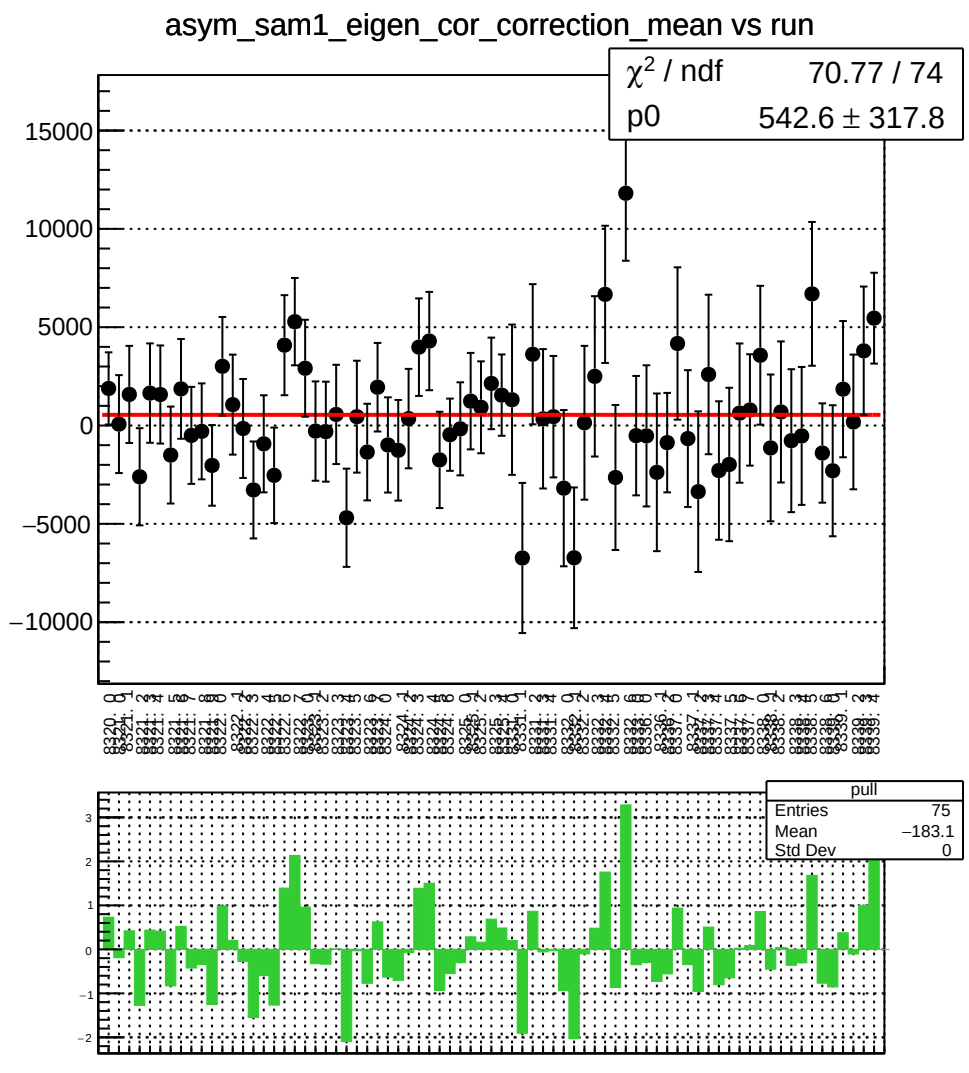

pull1D
Entries 75
Mean −0.008683
Std Dev 0.9713
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

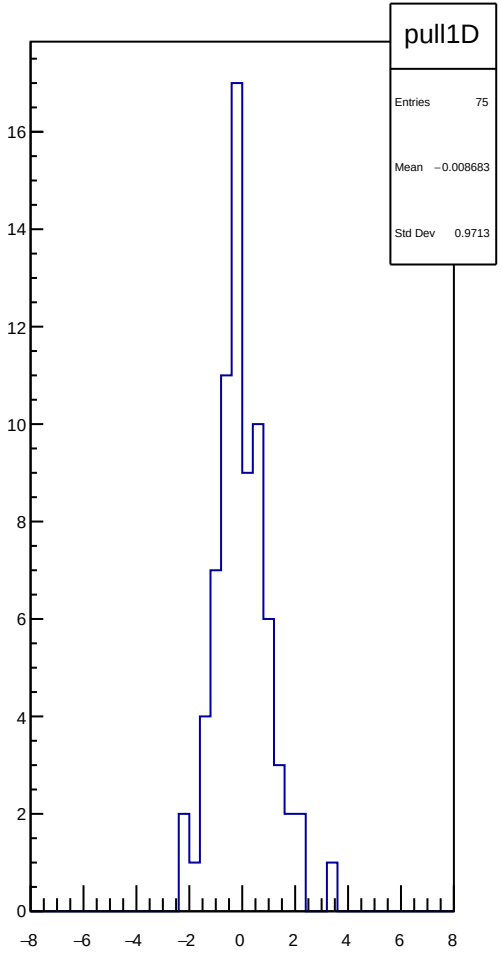

asym_sam1_cor_correction_rms vs run
χ² / ndf 5.375e+04 / 74
p0 268.3 ± 0.2247
400
350
300
250
200

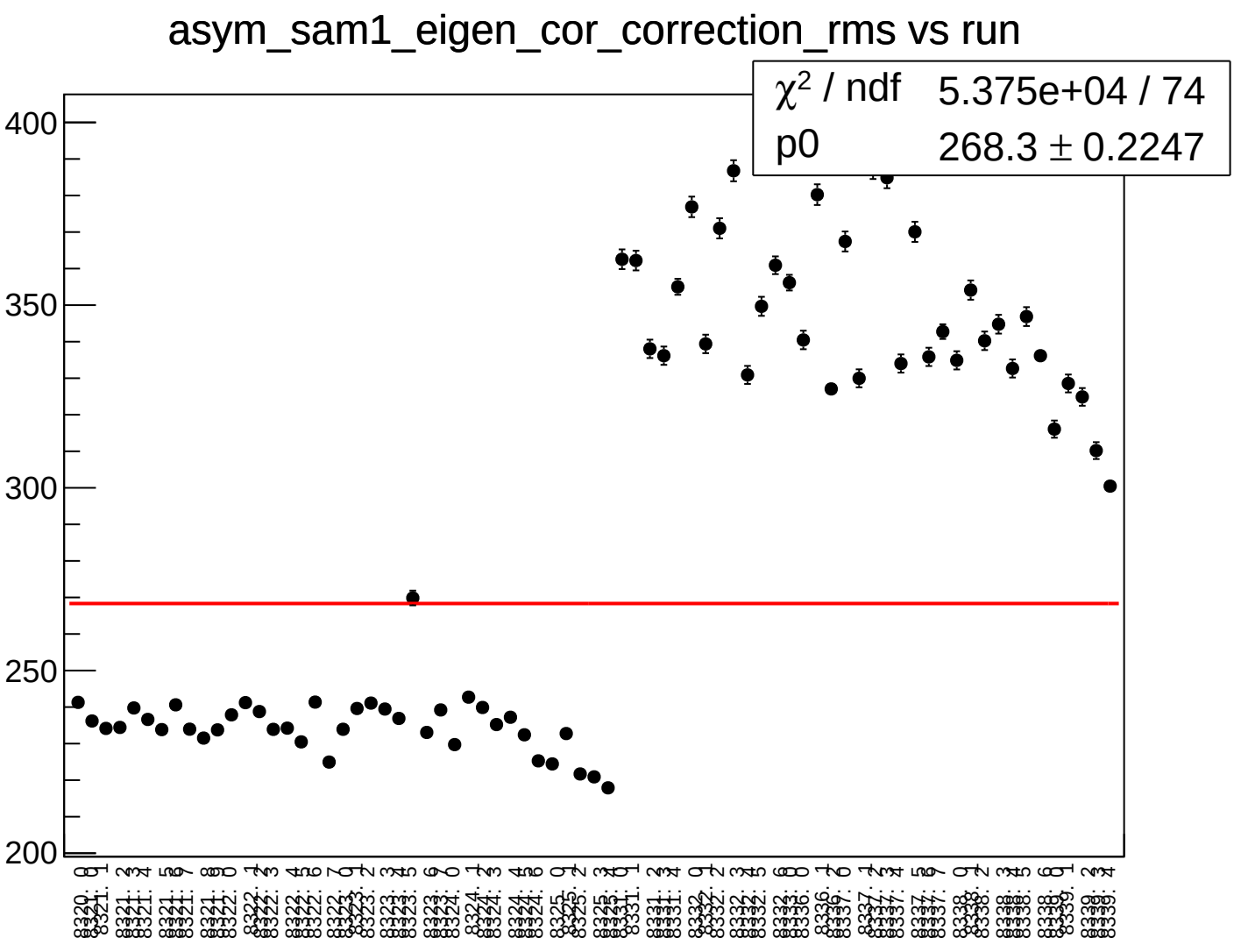

eigen_cor_asym_sam1_mean vs run
χ² / ndf 77.87 / 74
p0 19.53 ± 71.3
pull
Entries 75
Mean −496.6
Std Dev 0

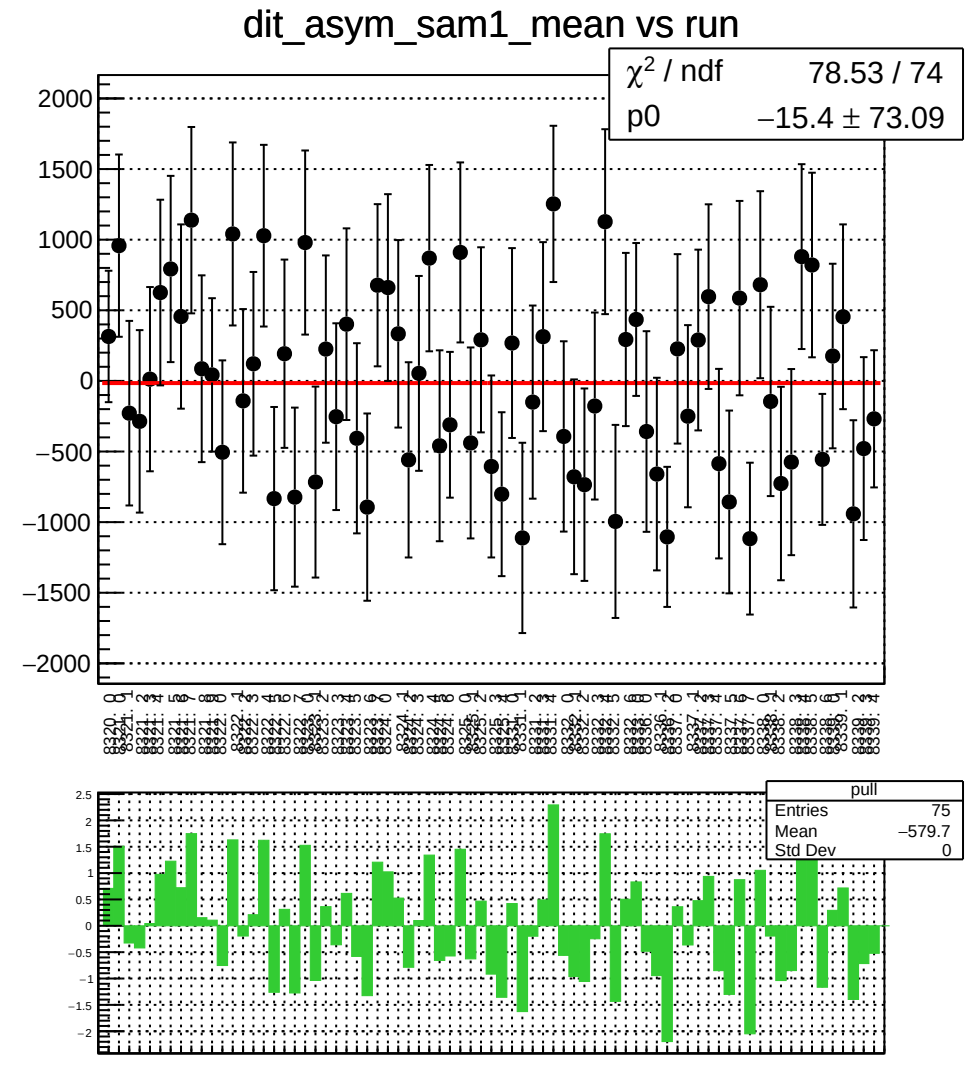

pull1D
Entries 75
Mean 0.009985
Std Dev 1.019

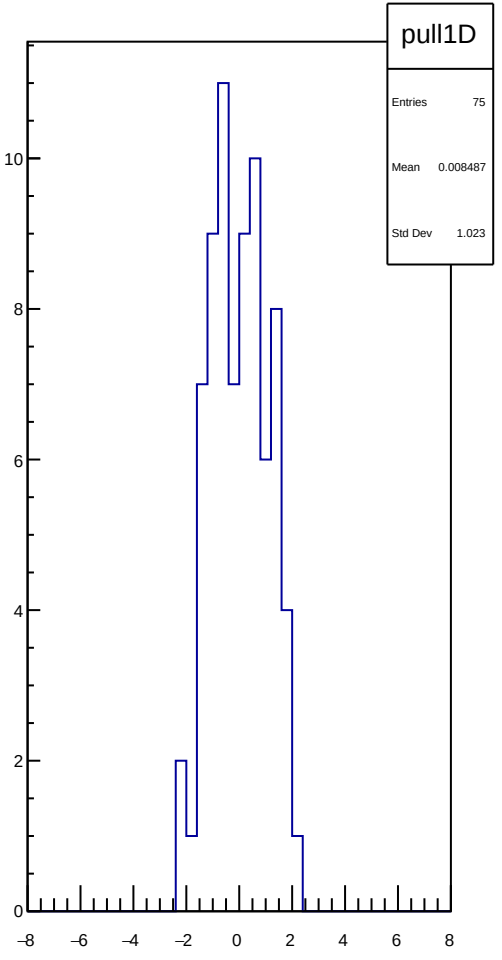

eigen_cor_asym_sam1_rms vs run
χ² / ndf 605.3 / 74
p0 61.32 ± 0.05042
65
64
63
62
61
60
59

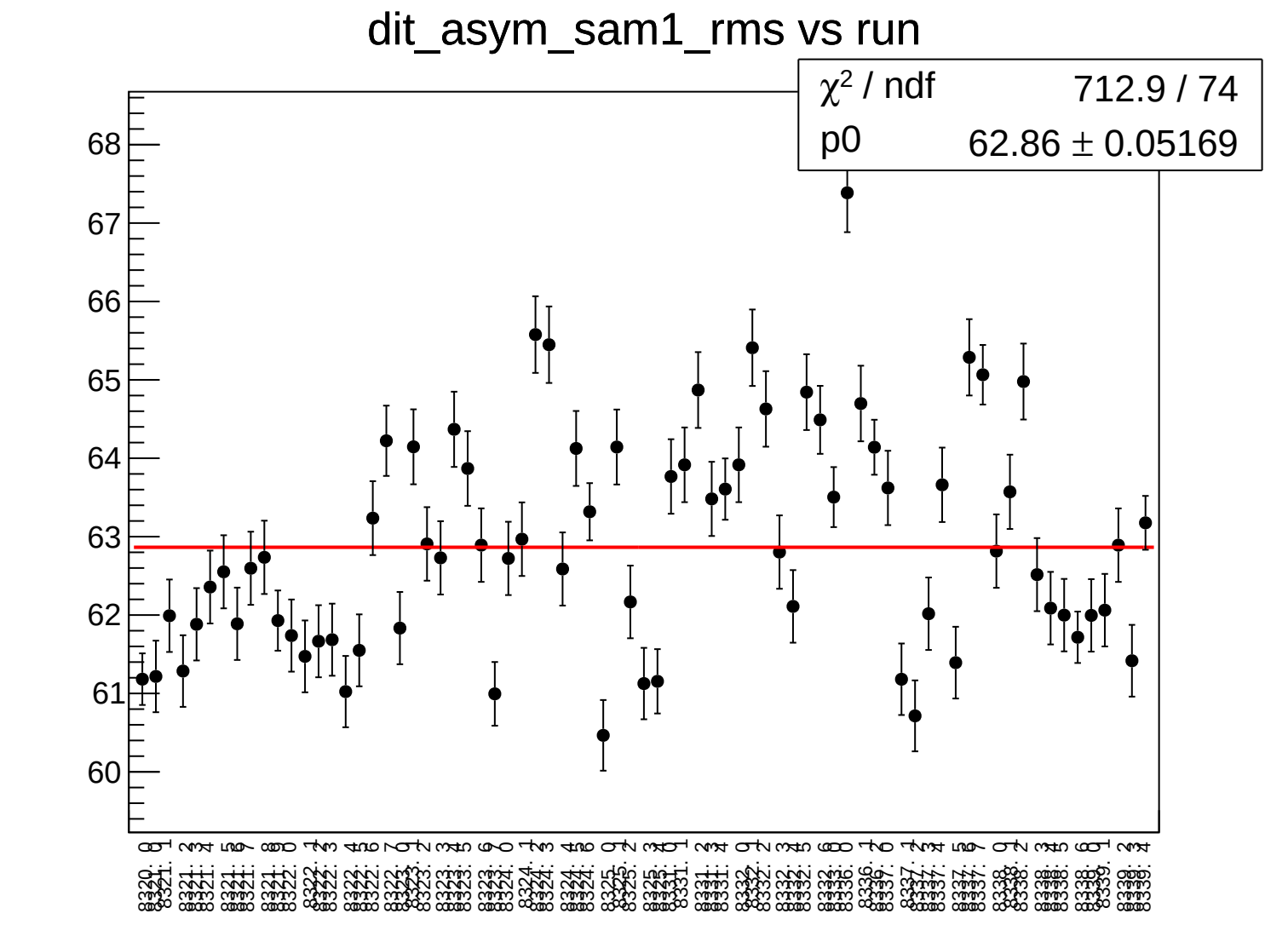

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 70.77 / 74
p0 542.6 ± 317.8
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −183.1
Std Dev 0
3
2
1
0
−1
−2

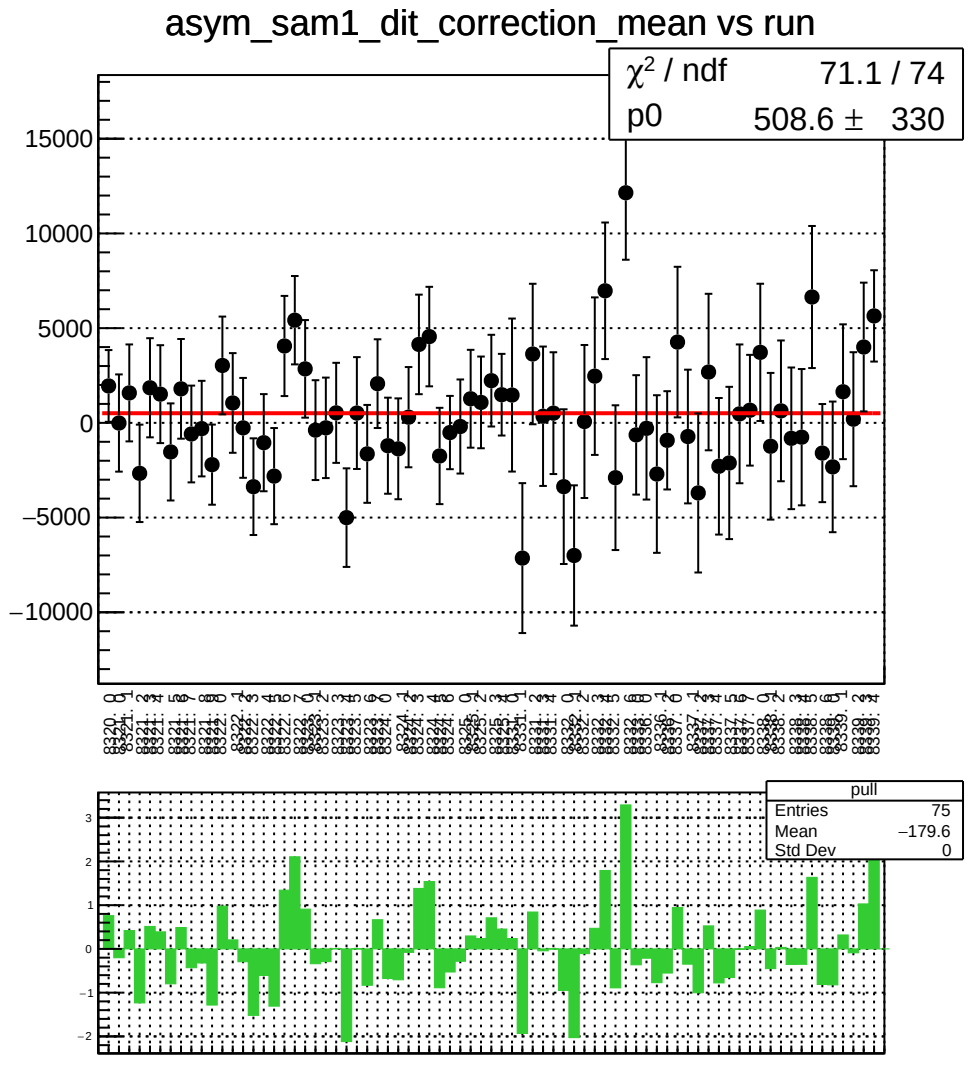

pull1D
Entries 75
Mean −0.008683
Std Dev 0.9713
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

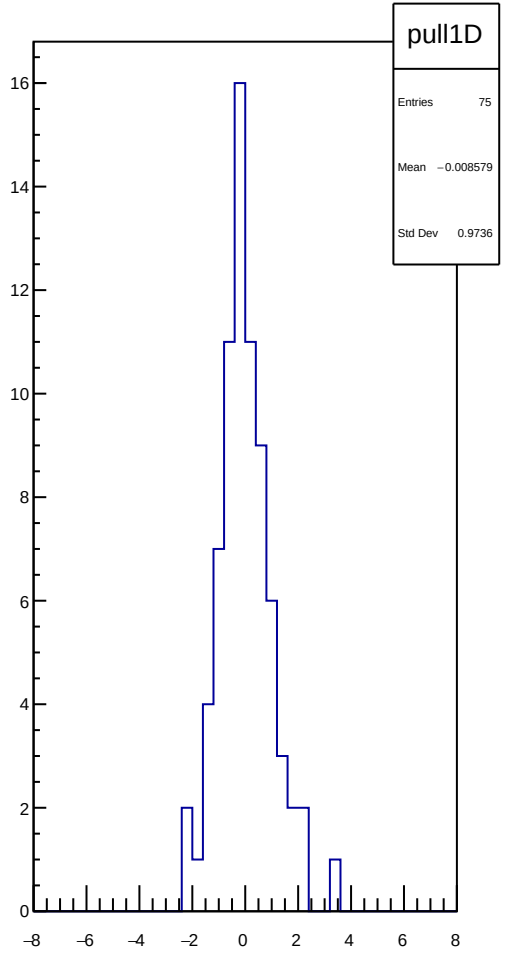

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 5.375e+04 / 74
p0 268.3 ± 0.2247
400
350
300
250
200

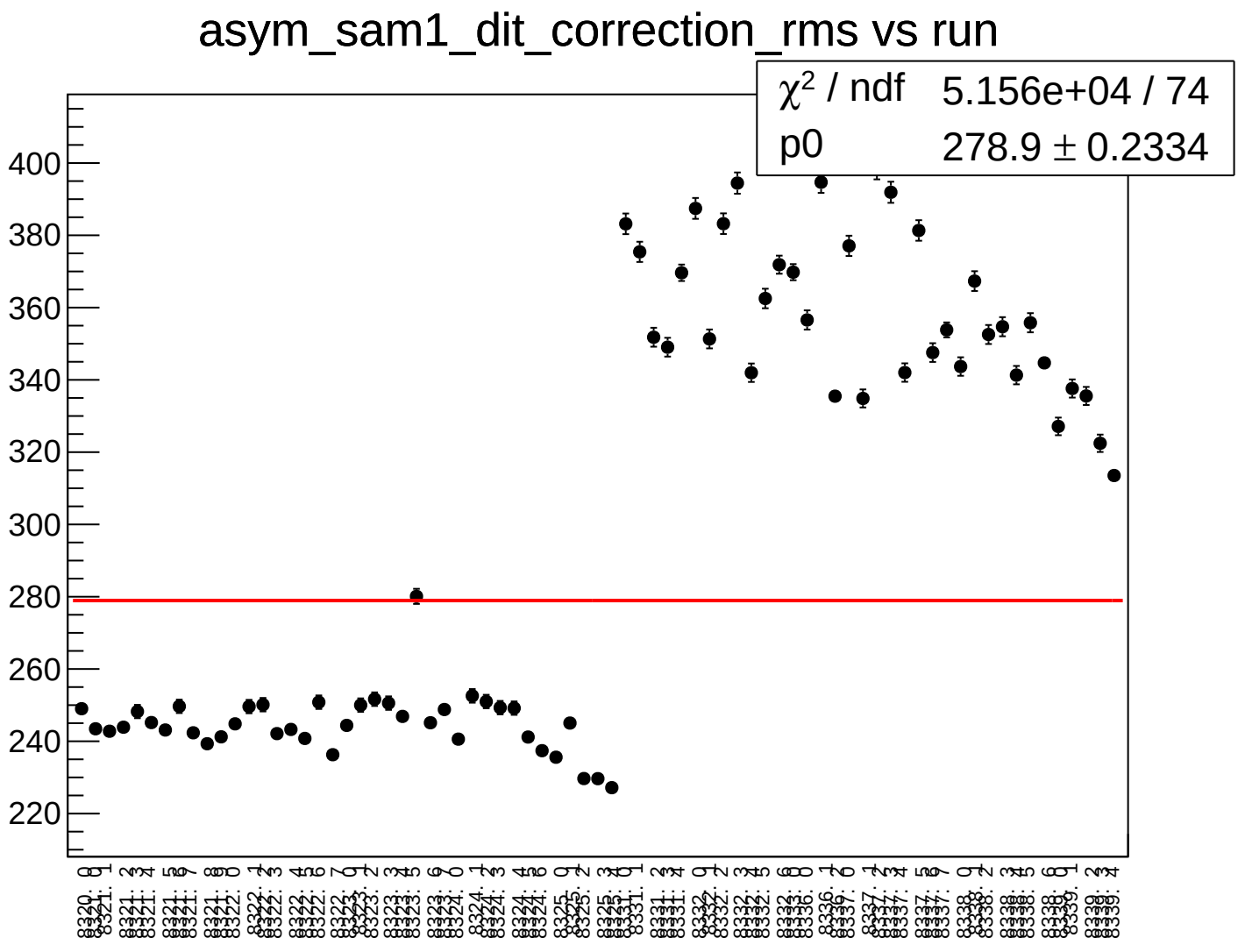

dit_asym_sam1_mean vs run
χ² / ndf 78.53 / 74
p0 −15.4 ± 73.09
pull
Entries 75
Mean −579.7
Std Dev 0

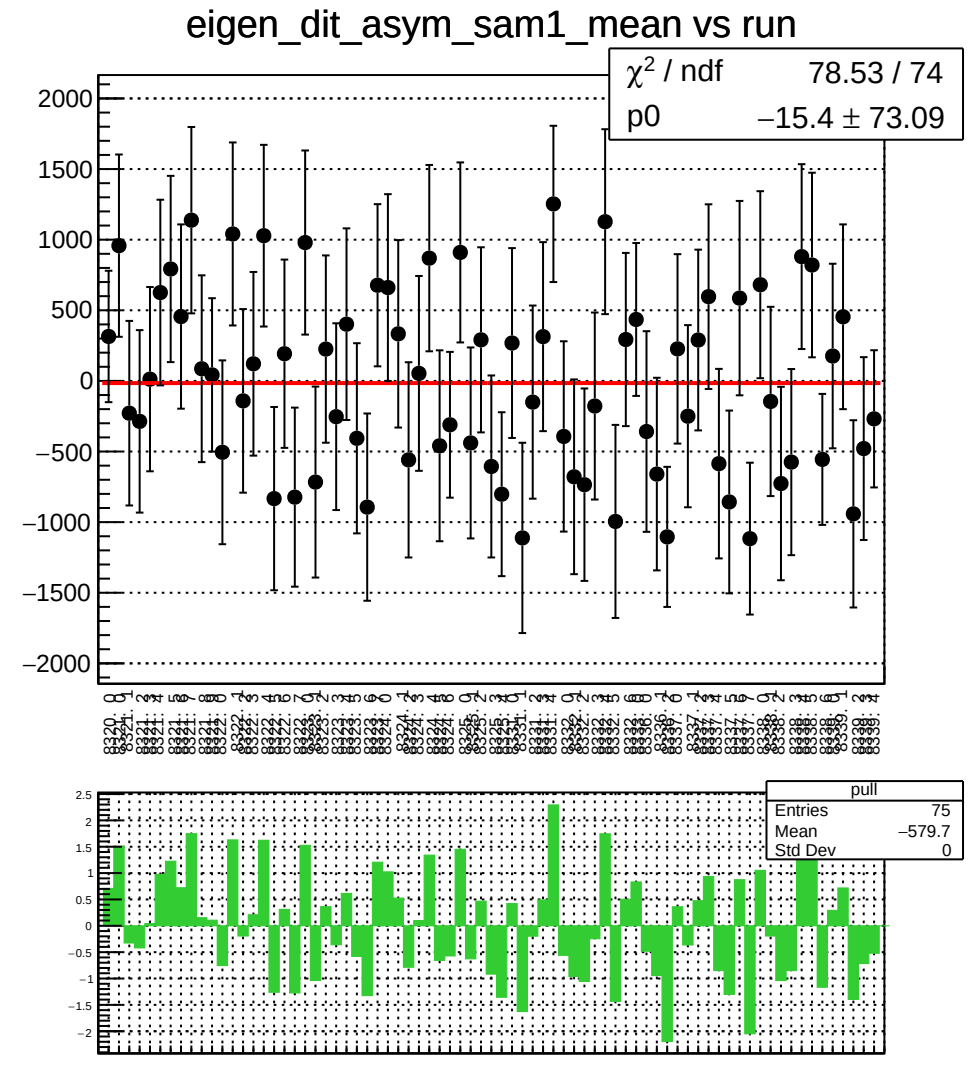

pull1D
Entries 75
Mean 0.008487
Std Dev 1.023

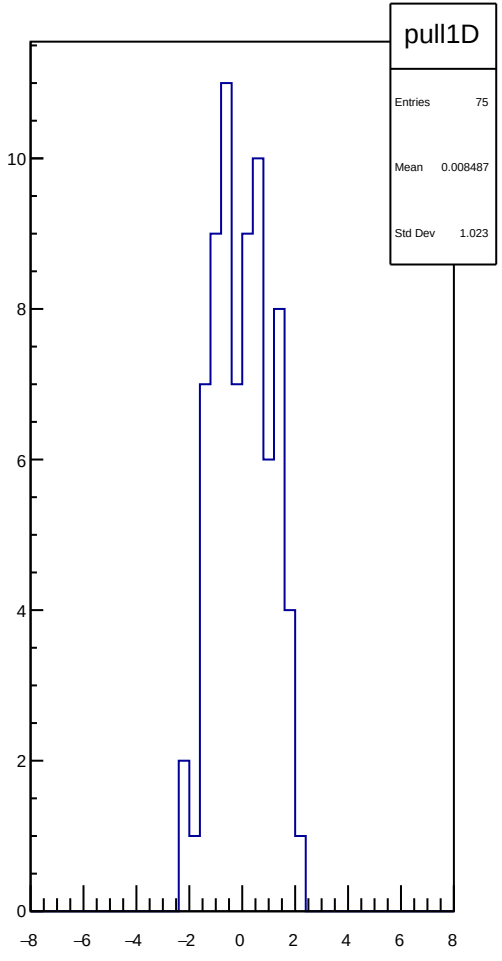

dit_asym_sam1_rms vs run
χ² / ndf 712.9 / 74
p0 62.86 ± 0.05169
68
67
66
65
64
63
62
61
60

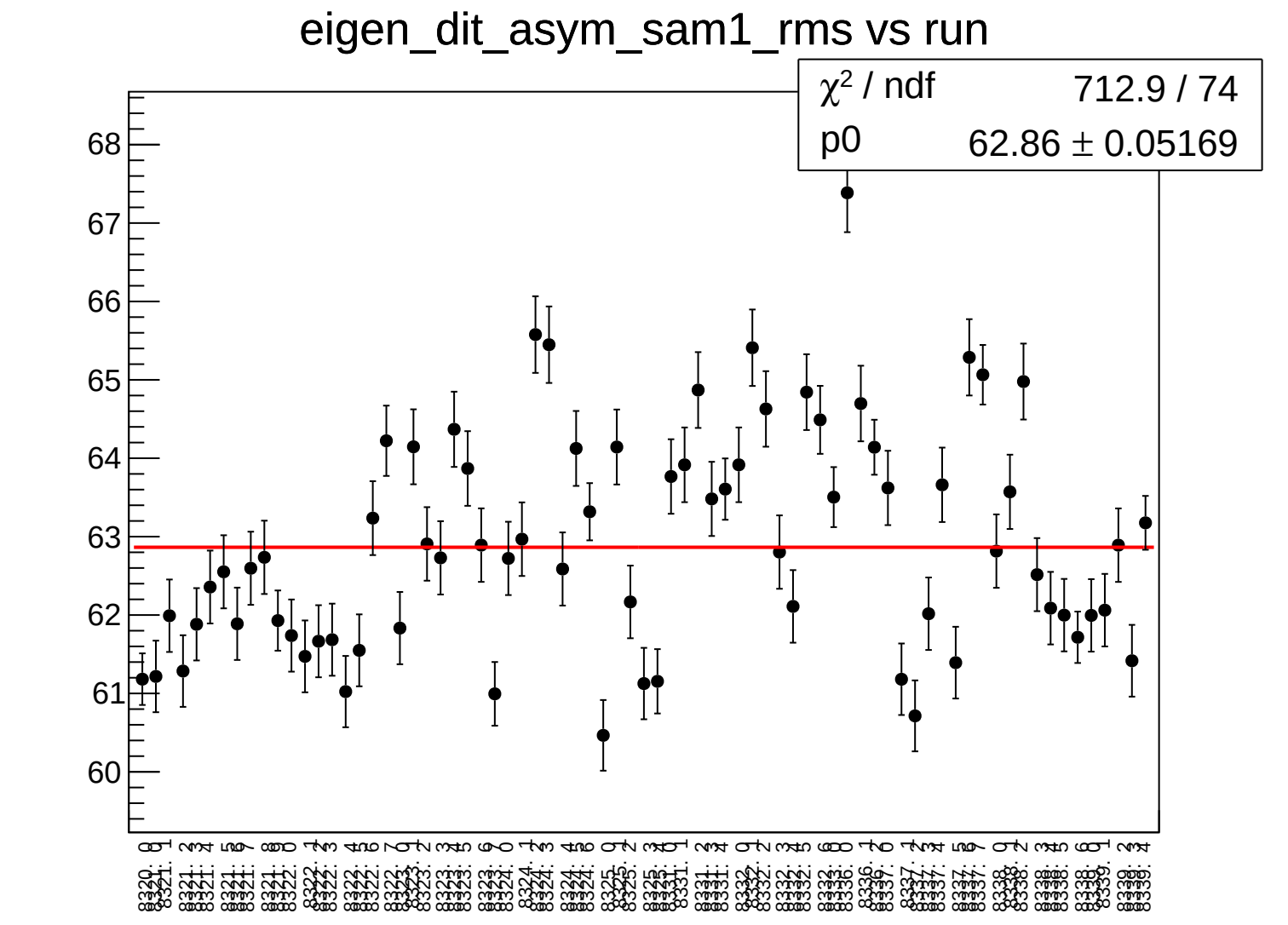

asym_sam1_dit_correction_mean vs run
χ² / ndf 71.1 / 74
p0 508.6 ± 330
15000
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −179.6
Std Dev 0
3
2
1
0
−1
−2

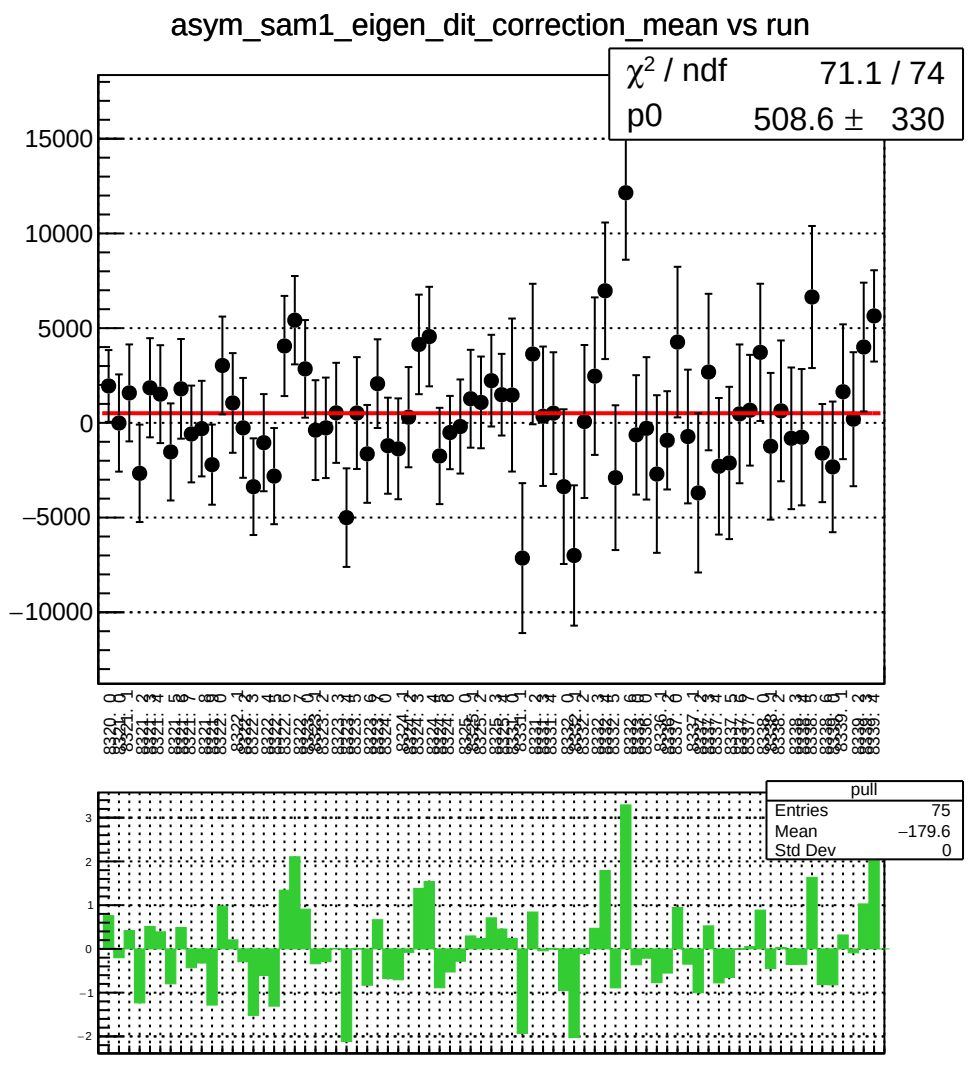

pull1D
Entries 75
Mean −0.008579
Std Dev 0.9736
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

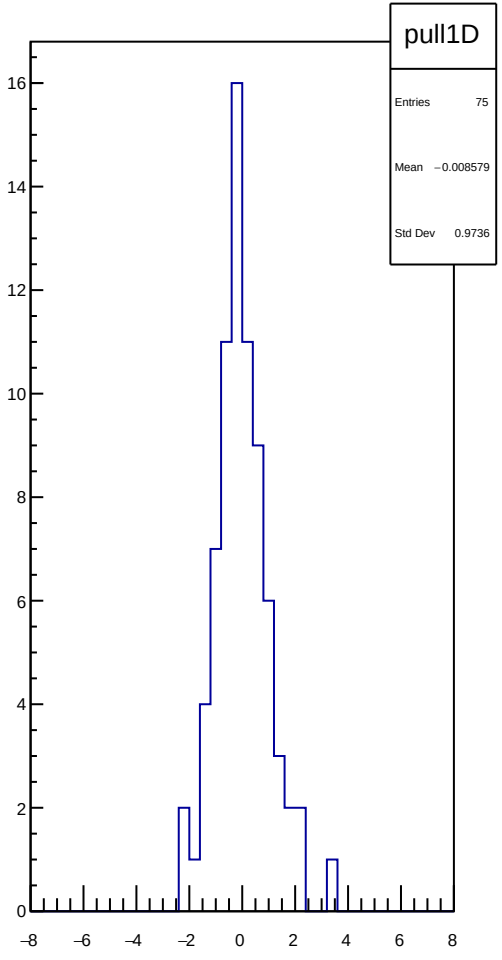

asym_sam1_dit_correction_rms vs run
χ² / ndf 5.156e+04 / 74
p0 278.9 ± 0.2334
400
380
360
340
320
300
280
260
240
220

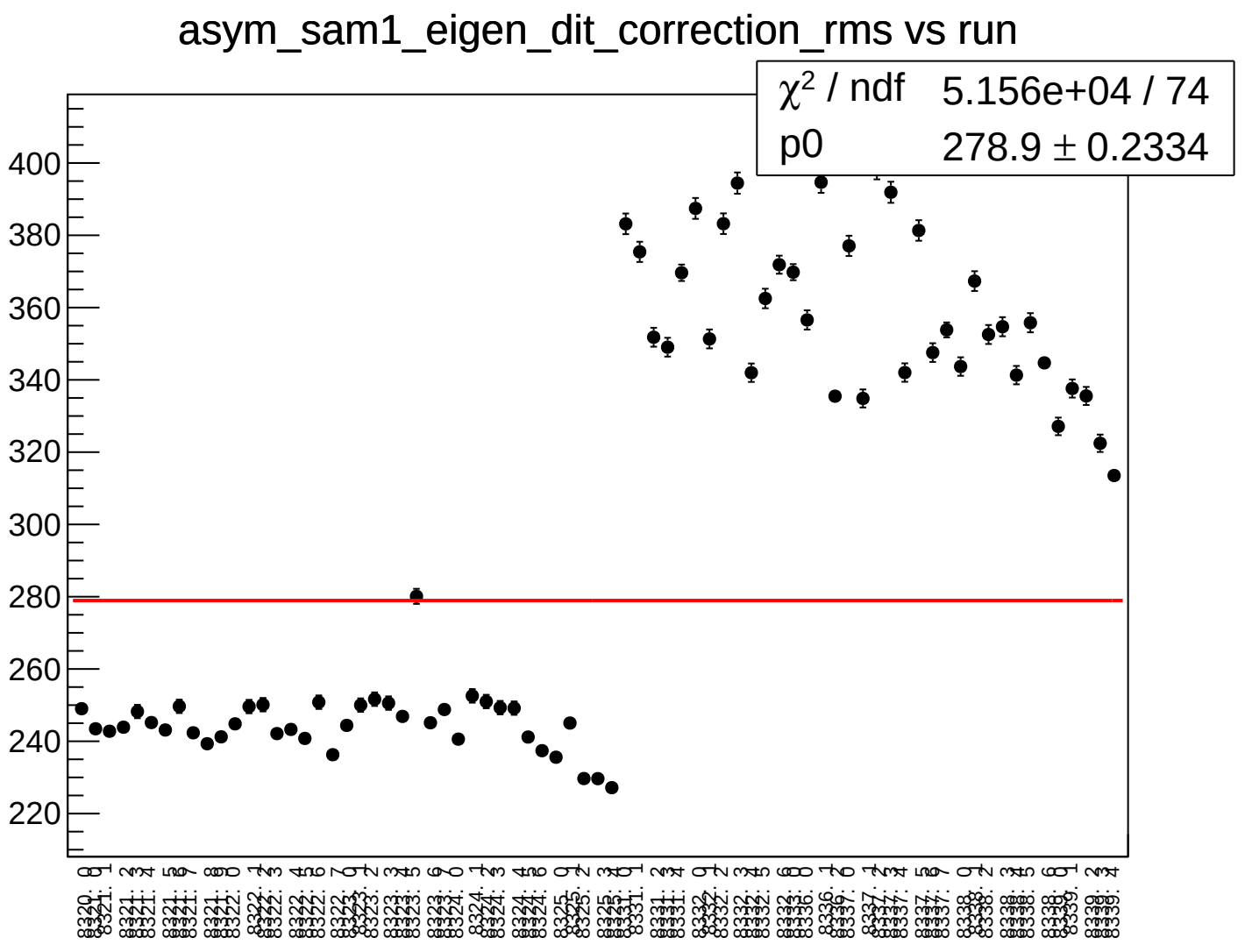

eigen_dit_asym_sam1_mean vs run
χ² / ndf 78.53 / 74
p0 −15.4 ± 73.09
pull
Entries 75
Mean −579.7
Std Dev 0

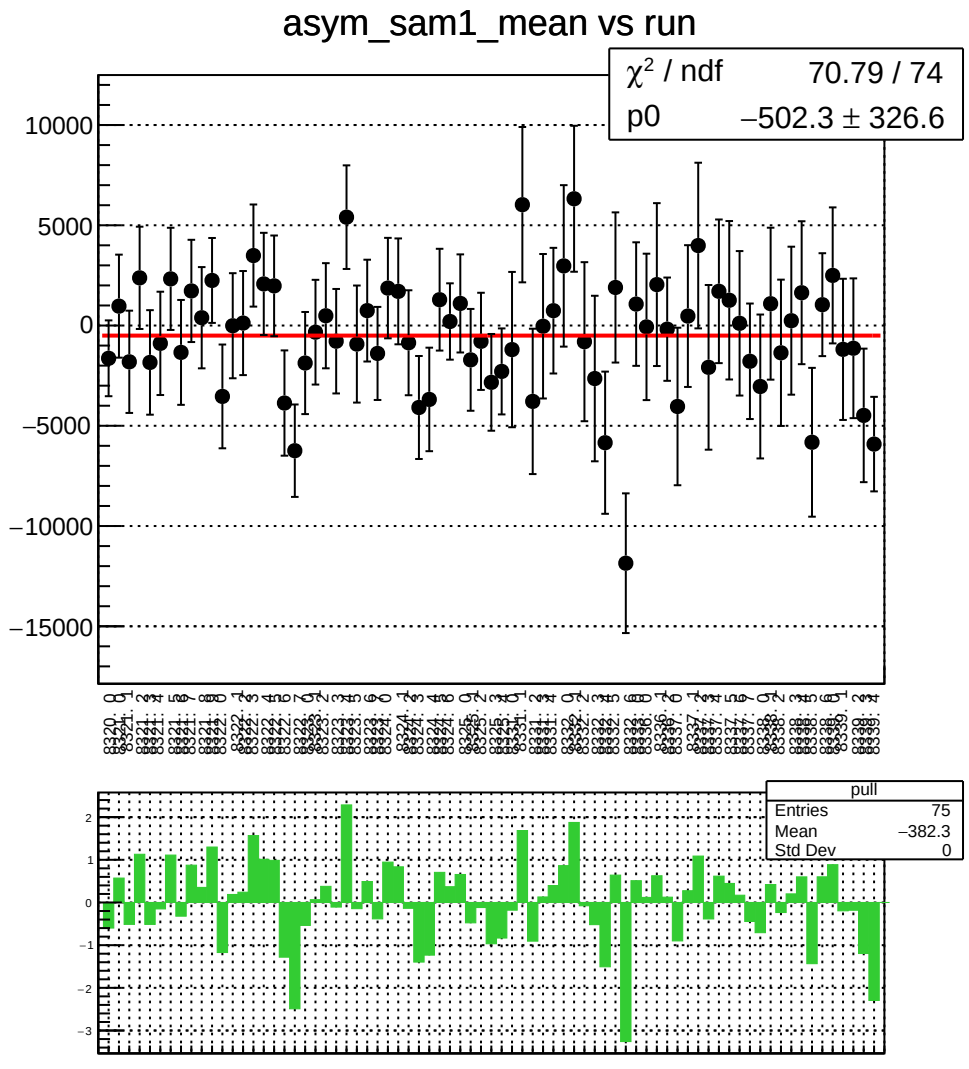

pull1D
Entries 75
Mean 0.008487
Std Dev 1.023

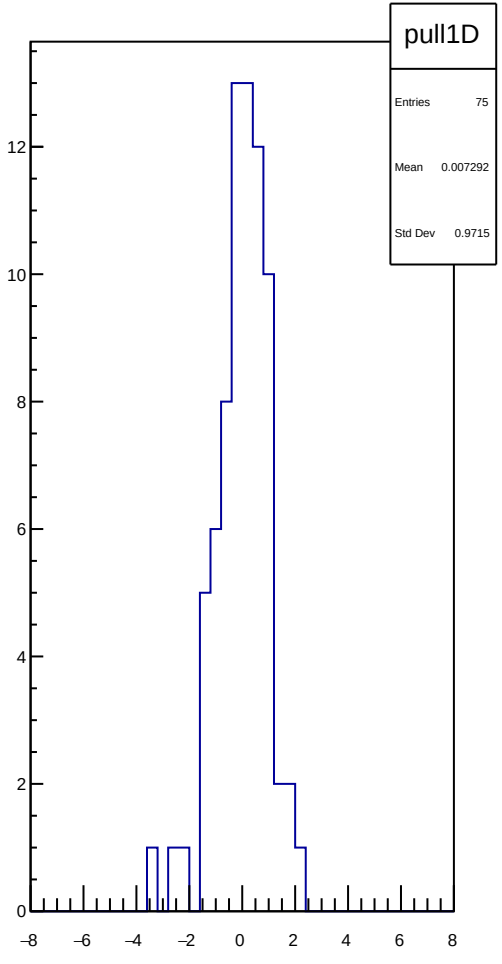

eigen_dit_asym_sam1_rms vs run
χ² / ndf 712.9 / 74
p0 62.86 ± 0.05169
68
67
66
65
64
63
62
61
60

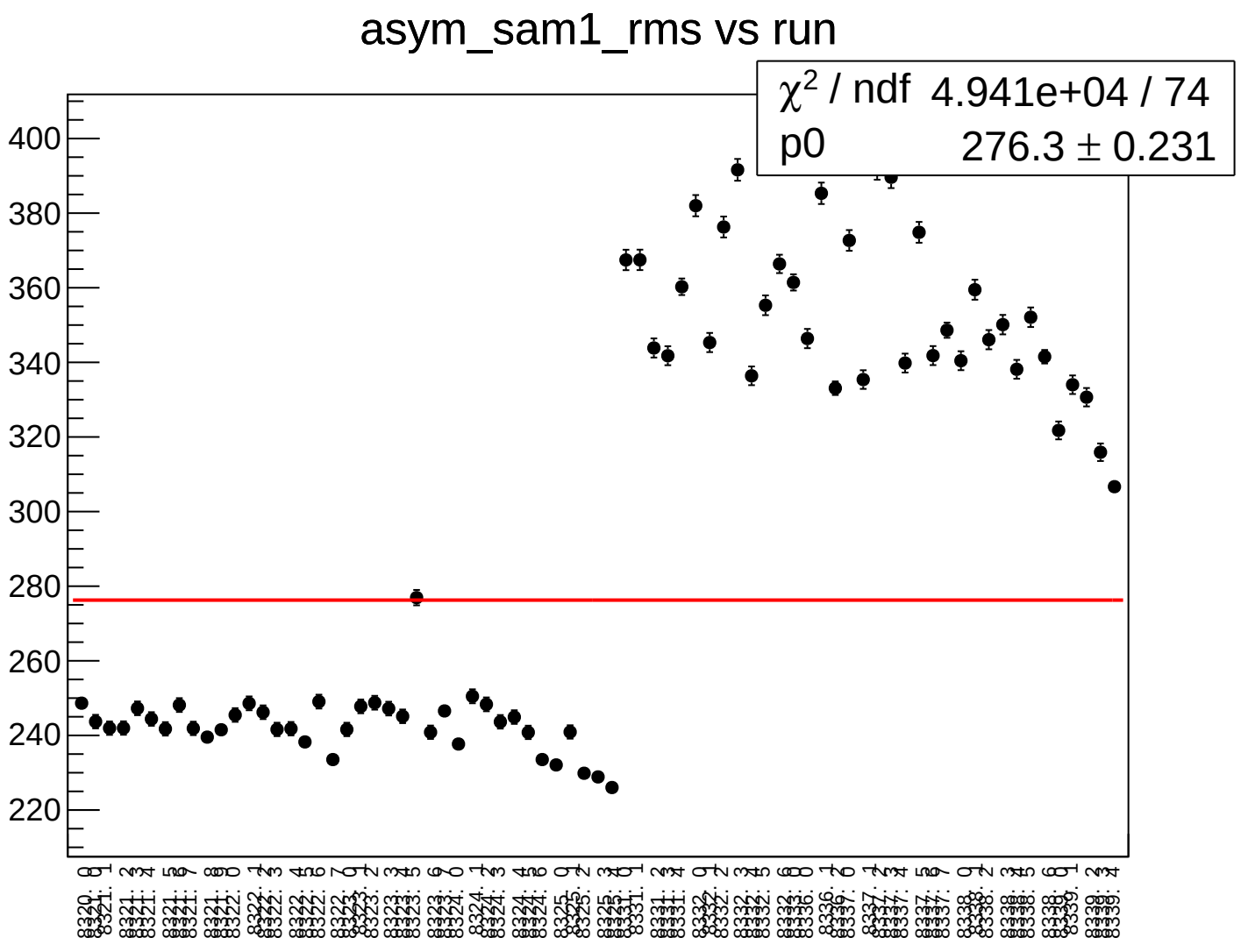

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 71.1 / 74
p0 508.6 ± 330
pull
Entries 75
Mean −179.6
Std Dev 0

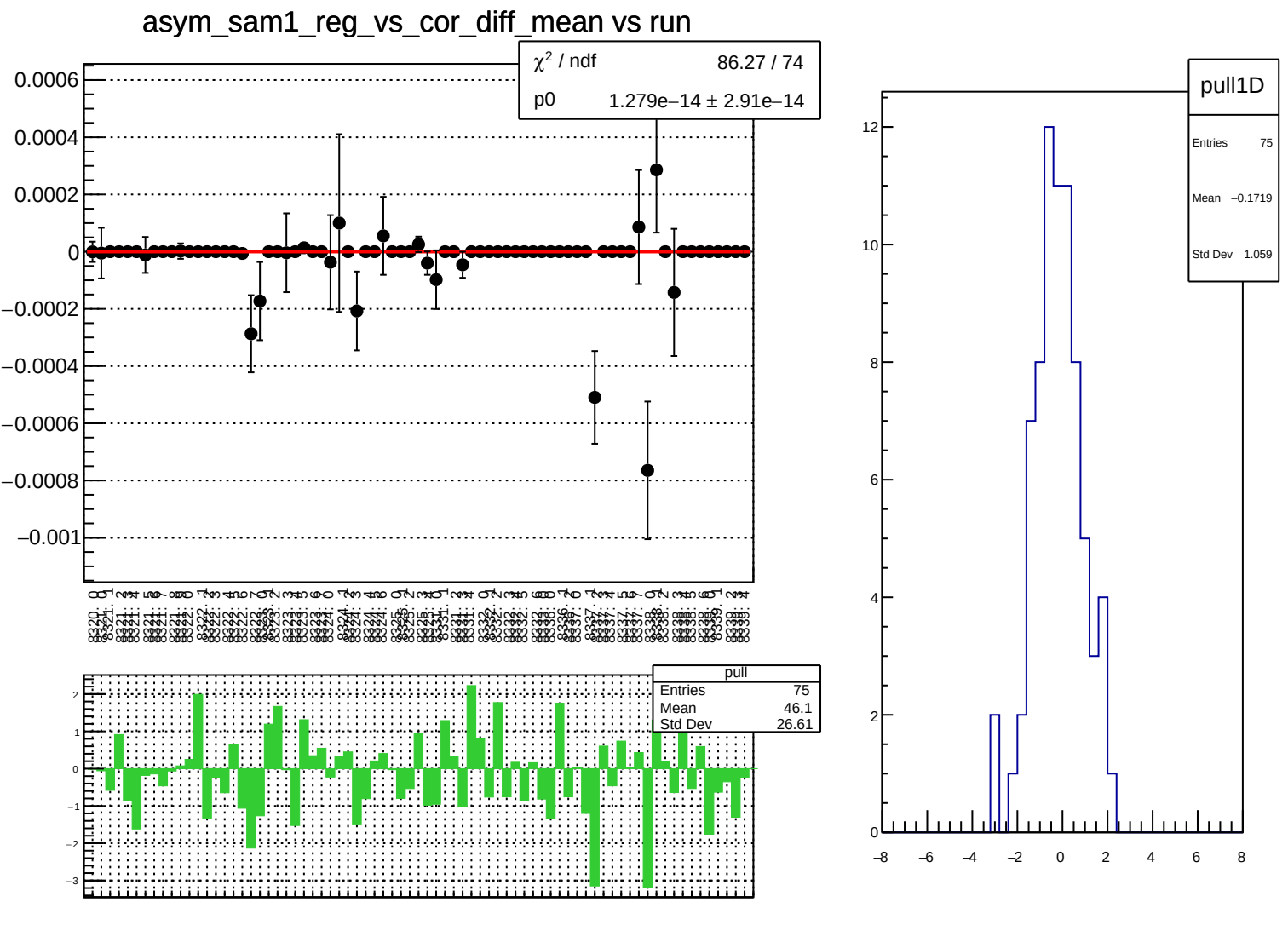

pull1D
Entries 75
Mean −0.008579
Std Dev 0.9736

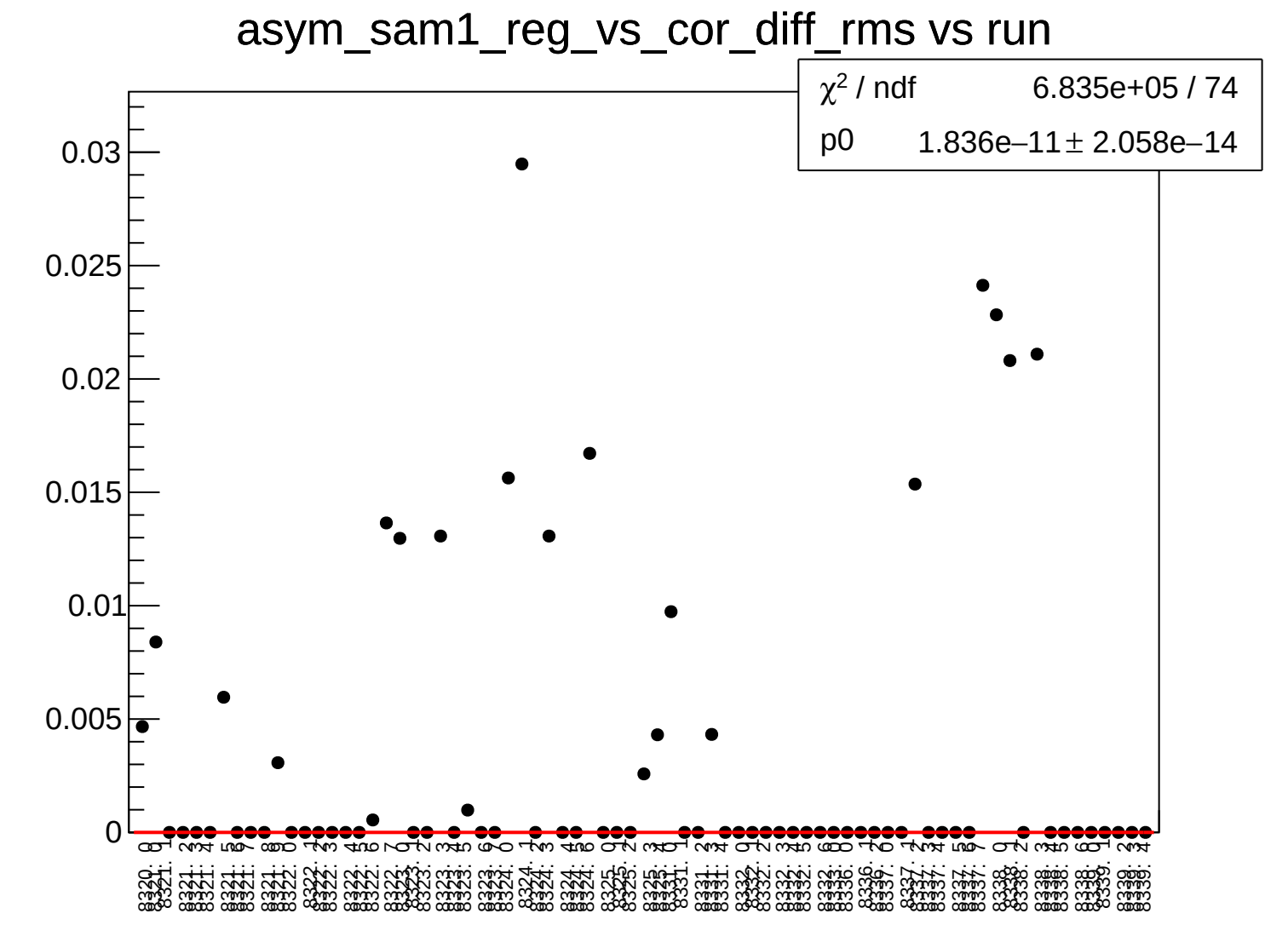

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 5.156e+04 / 74
p0 278.9 ± 0.2334
400
380
360
340
320
300
280
260
240
220

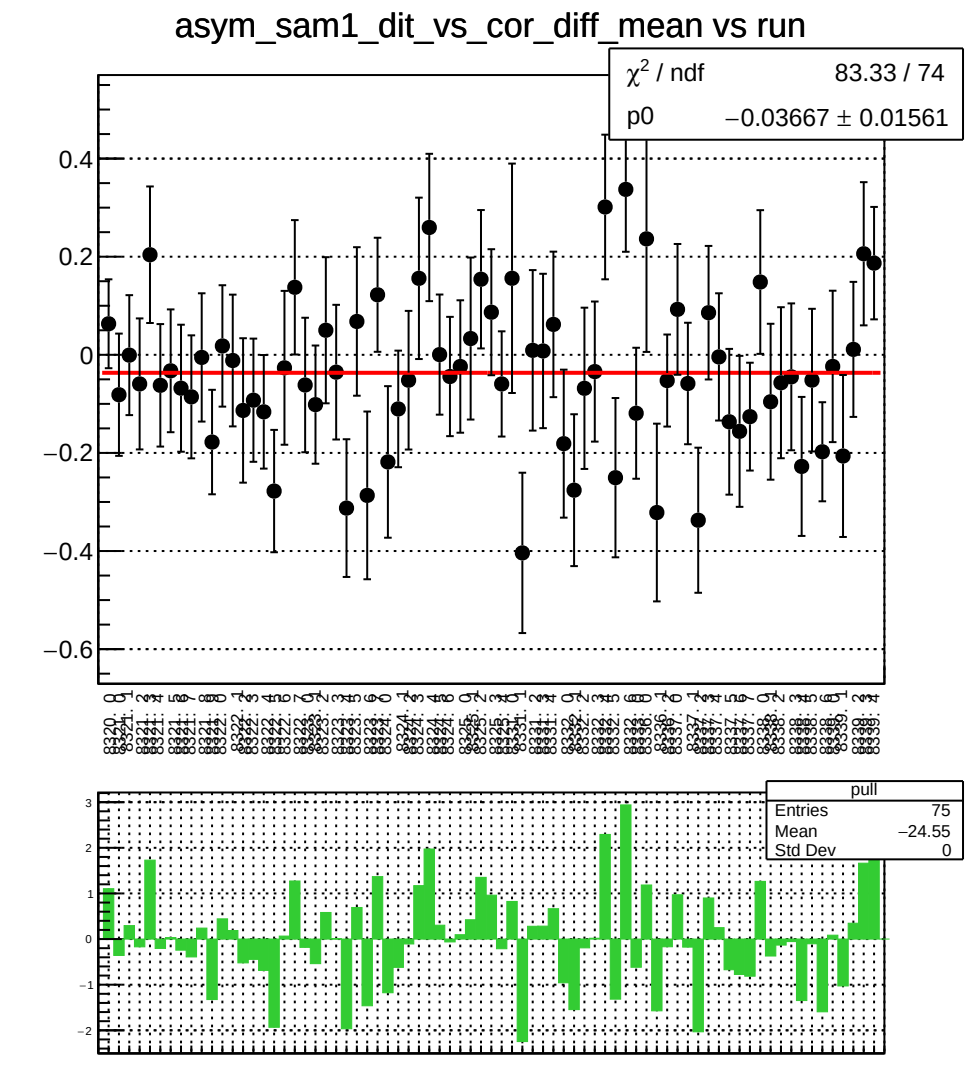

asym_sam1_mean vs run
χ² / ndf 70.79 / 74
p0 −502.3 ± 326.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean −382.3
Std Dev 0
2
1
0
−1
−2
−3

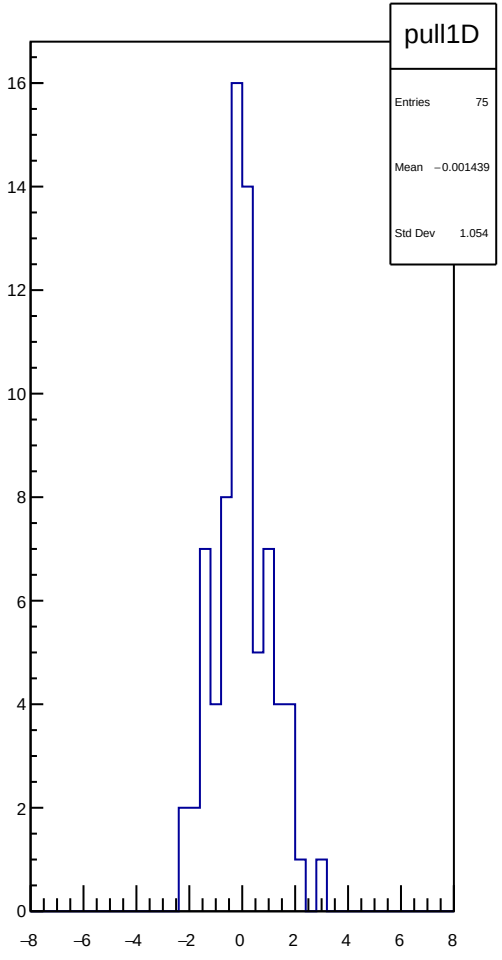

pull1D
Entries 75
Mean 0.007292
Std Dev 0.9715
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

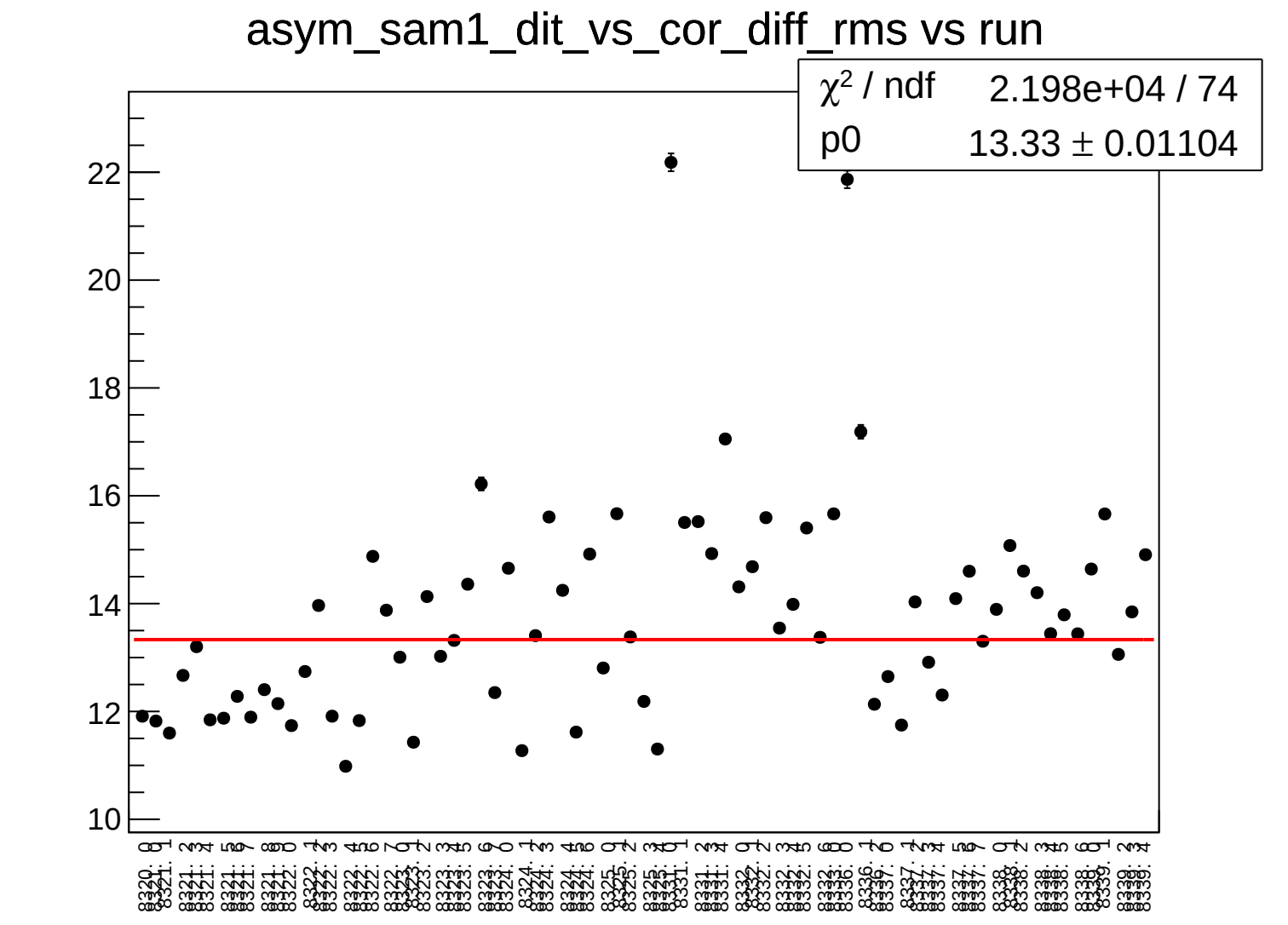

asym_sam1_rms vs run
χ² / ndf 4.941e+04 / 74
p0 276.3 ± 0.231
400
380
360
340
320
300
280
260
240
220

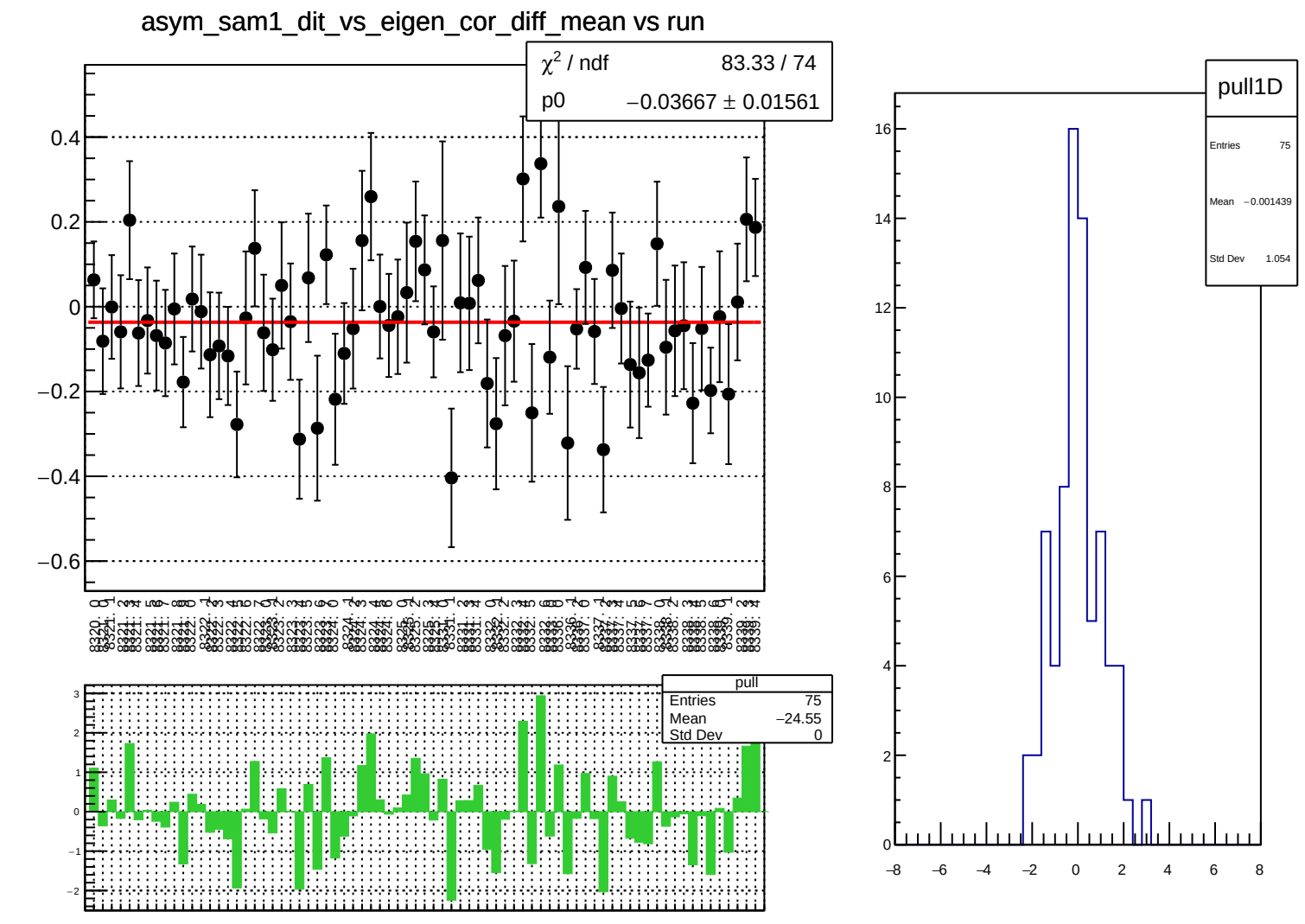

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 86.27 / 74
p0 1.279e−14 ± 2.91e−14
pull
Entries 75
Mean 46.1
Std Dev 26.61
pull1D
Entries 75
Mean −0.1719
Std Dev 1.059

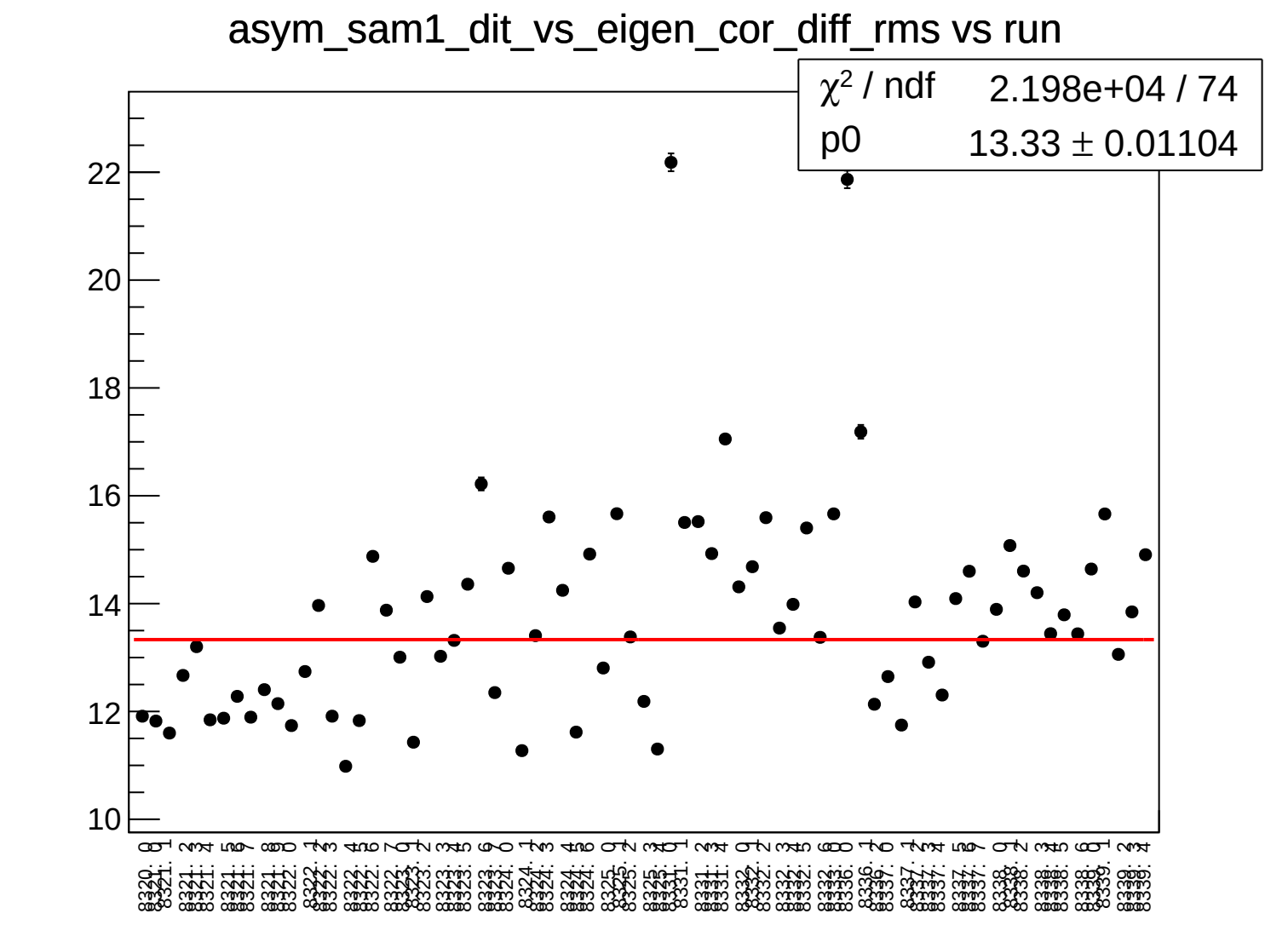

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.835e+05 / 74
p0 1.836e−11 ± 2.058e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

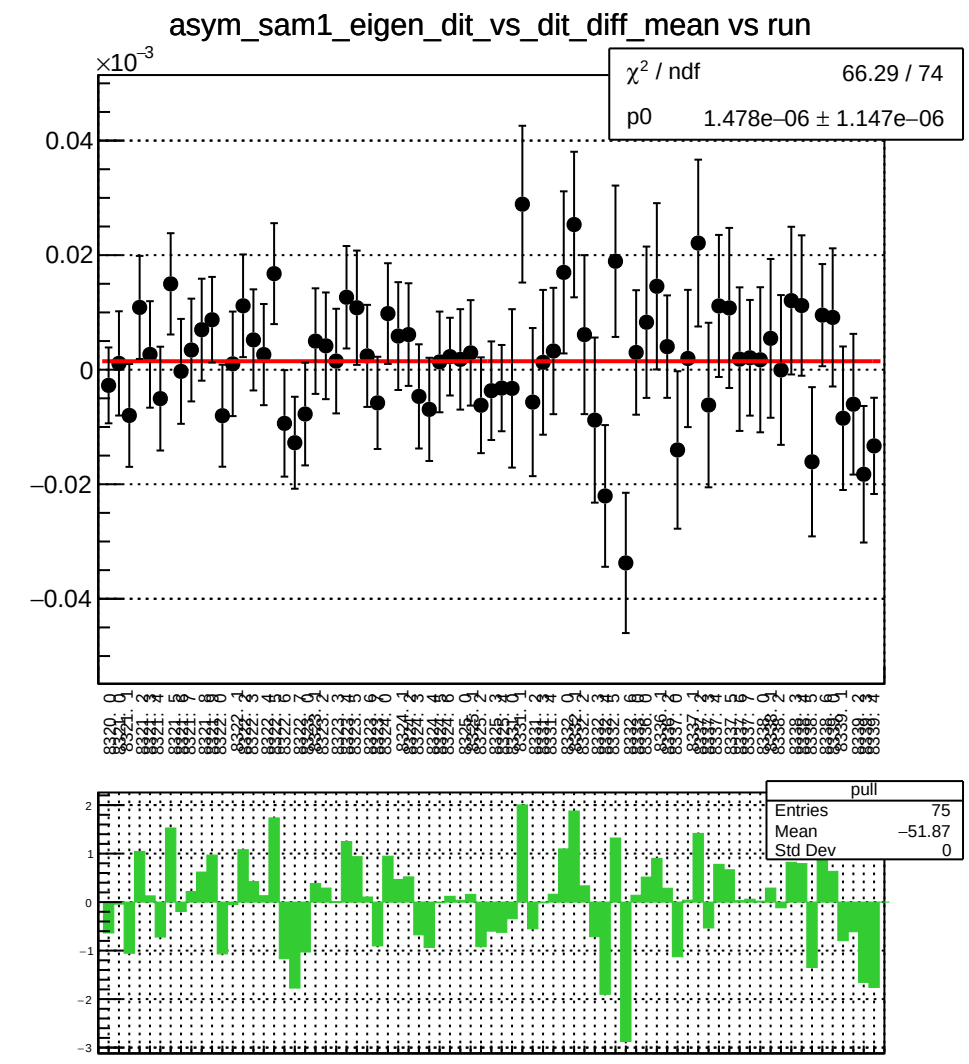

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 83.33 / 74
p0 −0.03667 ± 0.01561
pull
Entries 75
Mean −24.55
Std Dev 0

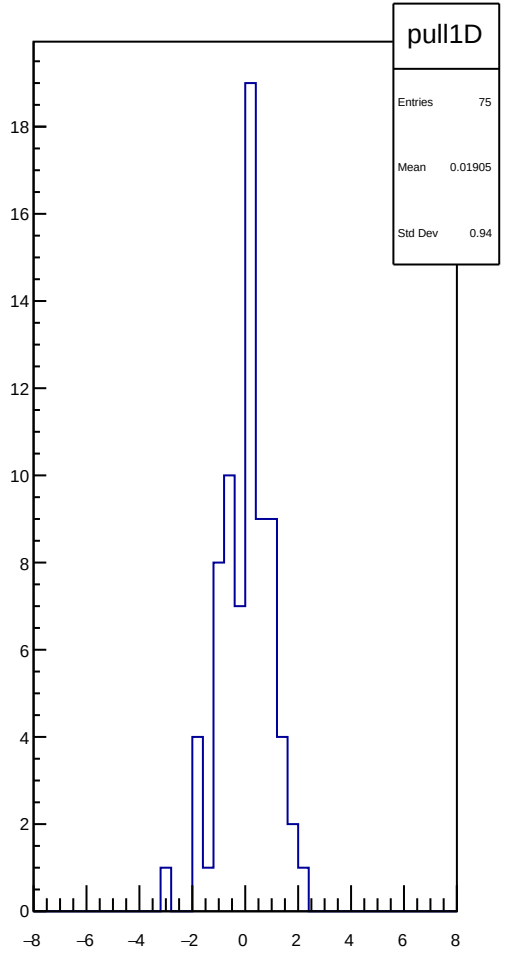

pull1D
Entries 75
Mean −0.001439
Std Dev 1.054

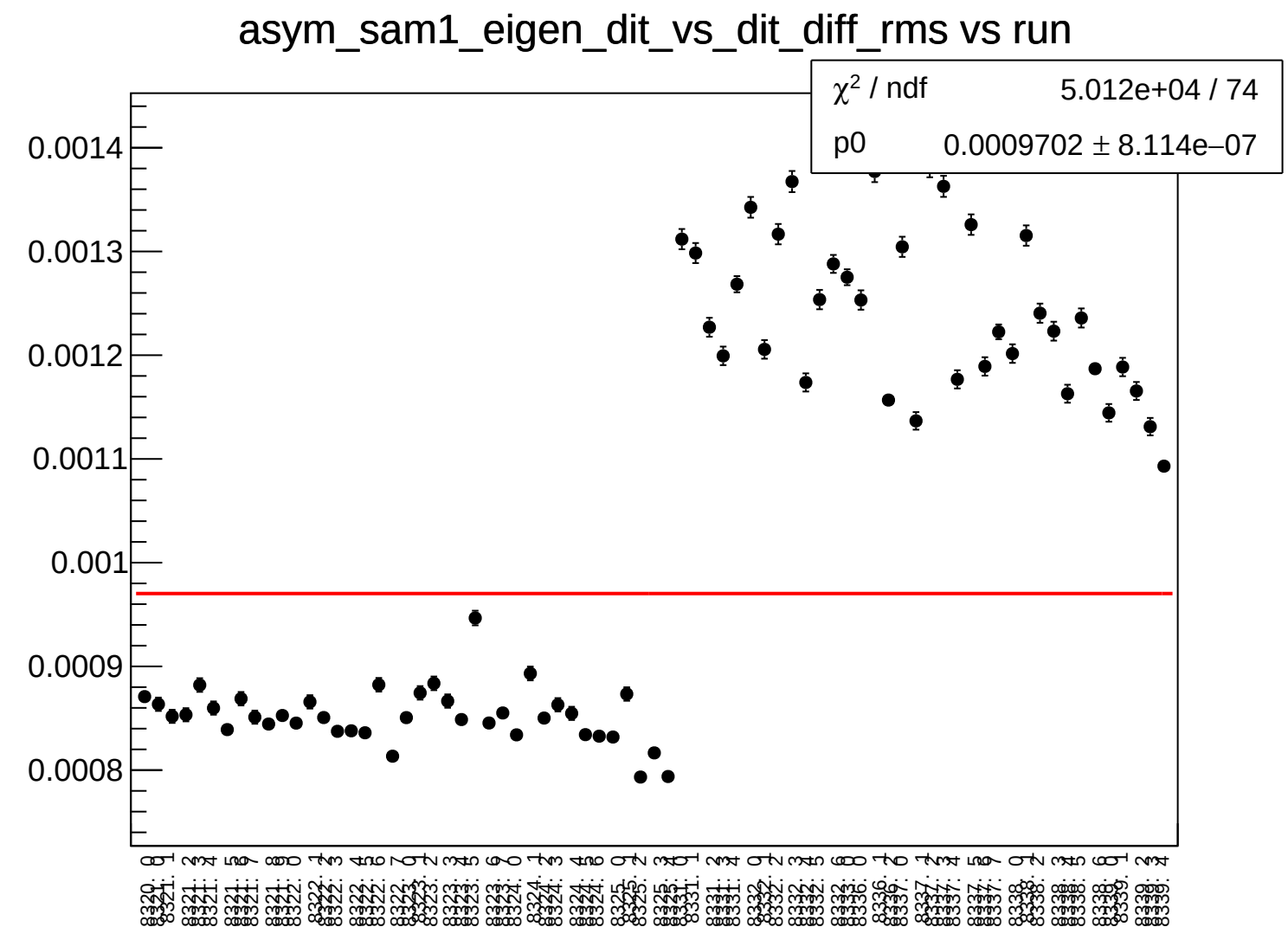

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.198e+04 / 74
p0 13.33 ± 0.01104
22
20
18
16
14
12
10

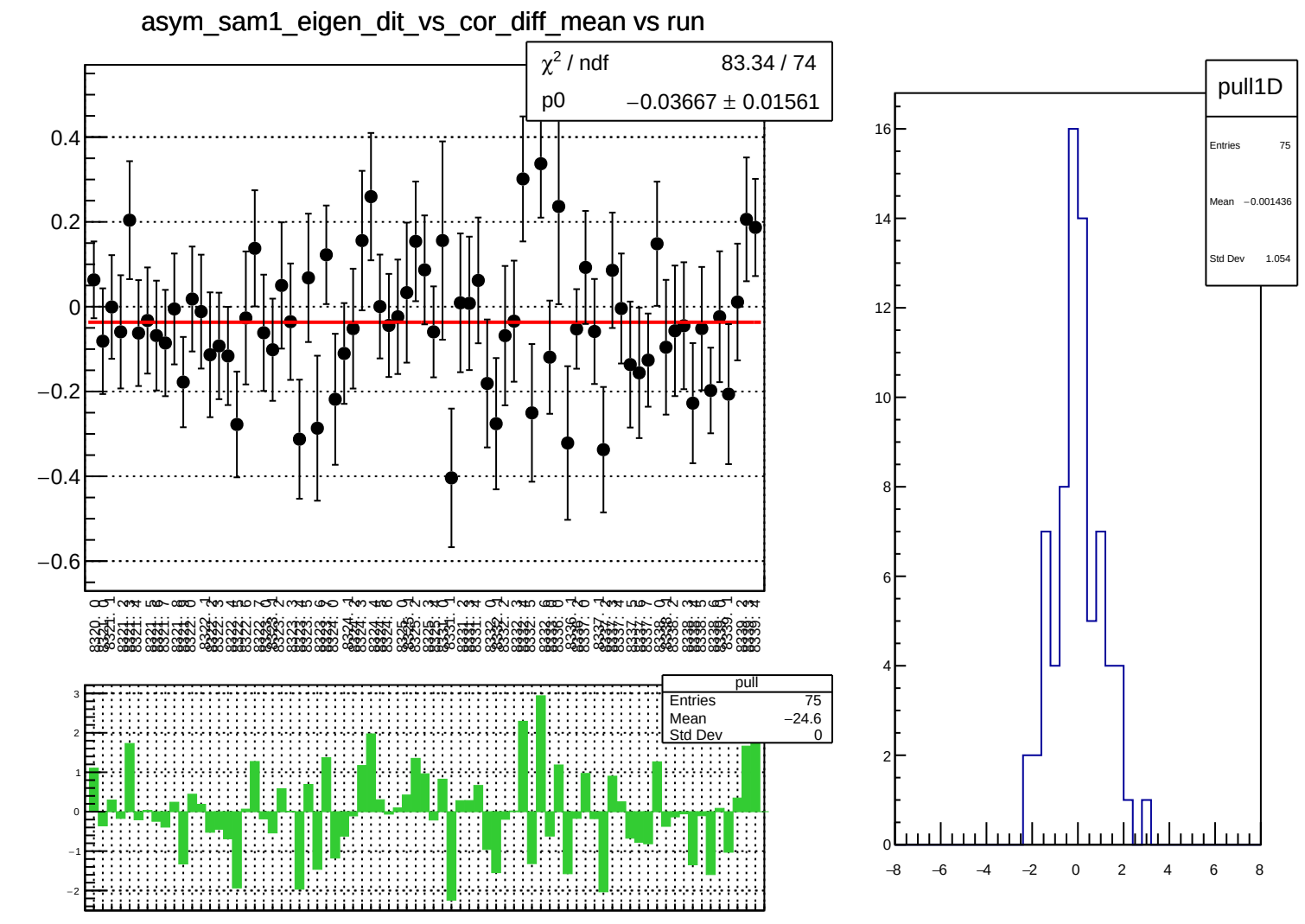

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.33 / 74
p0 −0.03667 ± 0.01561
pull
Entries 75
Mean −24.55
Std Dev 0
pull1D
Entries 75
Mean −0.001439
Std Dev 1.054

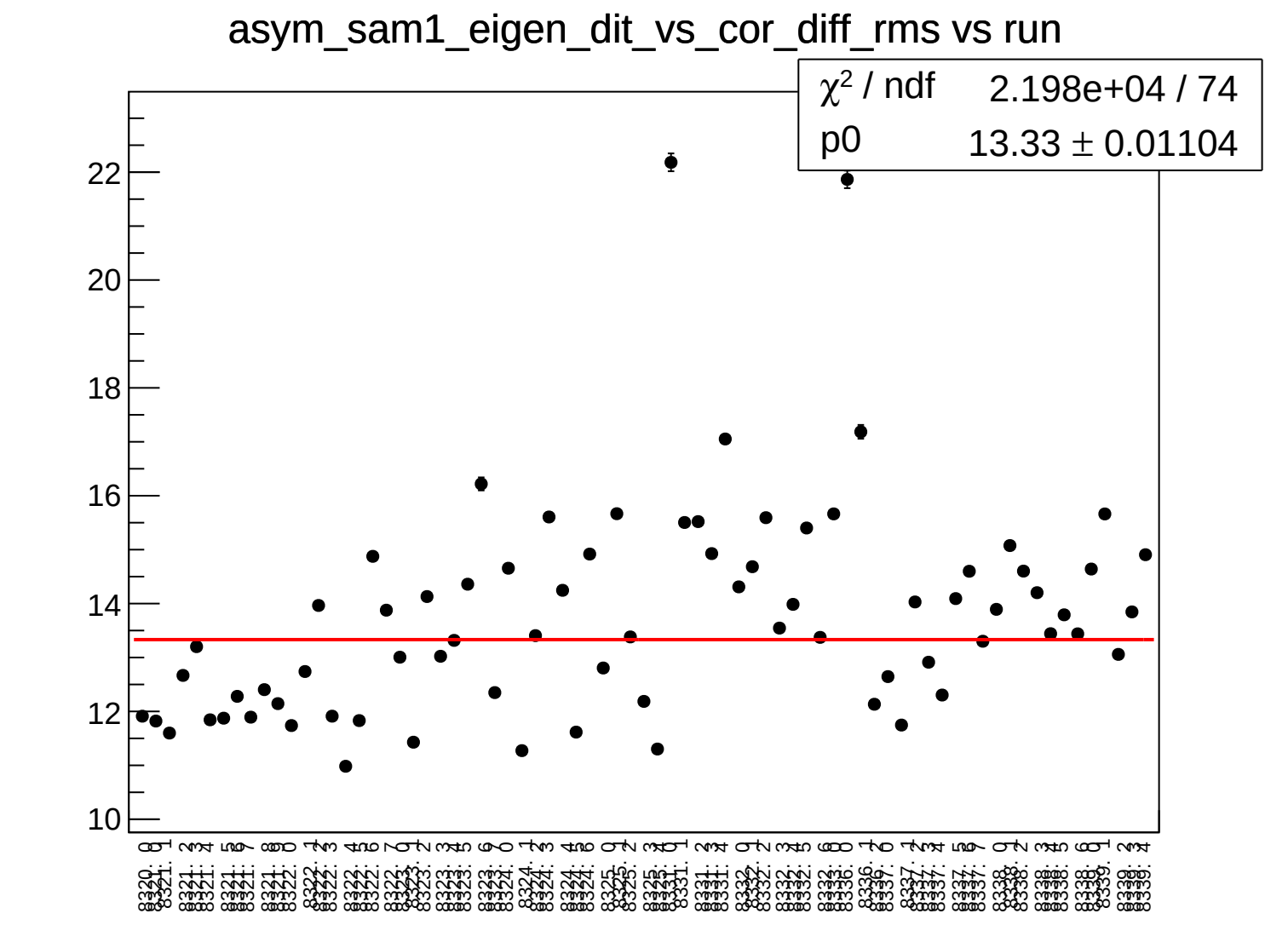

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.198e+04 / 74
p0 13.33 ± 0.01104
22
20
18
16
14
12
10

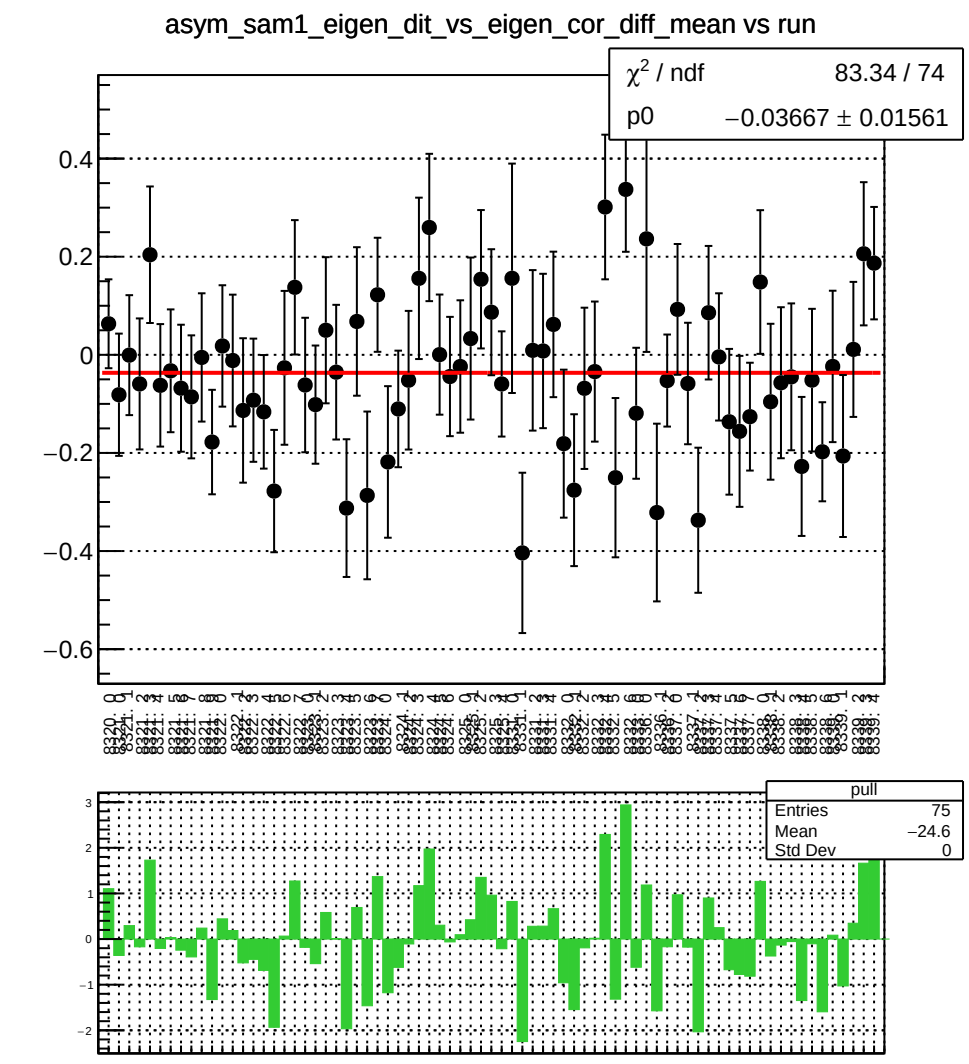

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 66.29 / 74
p0 1.478e−06 ± 1.147e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 75
Mean −51.87
Std Dev 0
2
1
0
−1
−2
−3

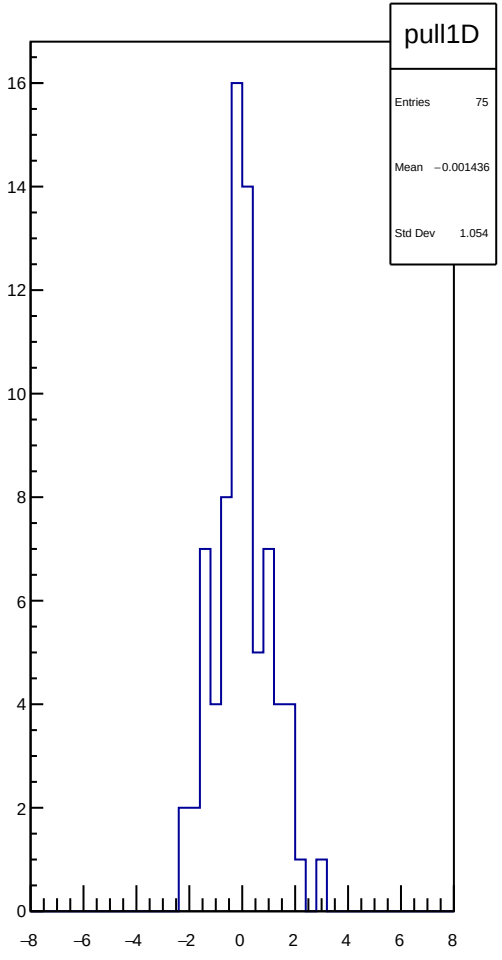

pull1D
Entries 75
Mean 0.01905
Std Dev 0.94
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

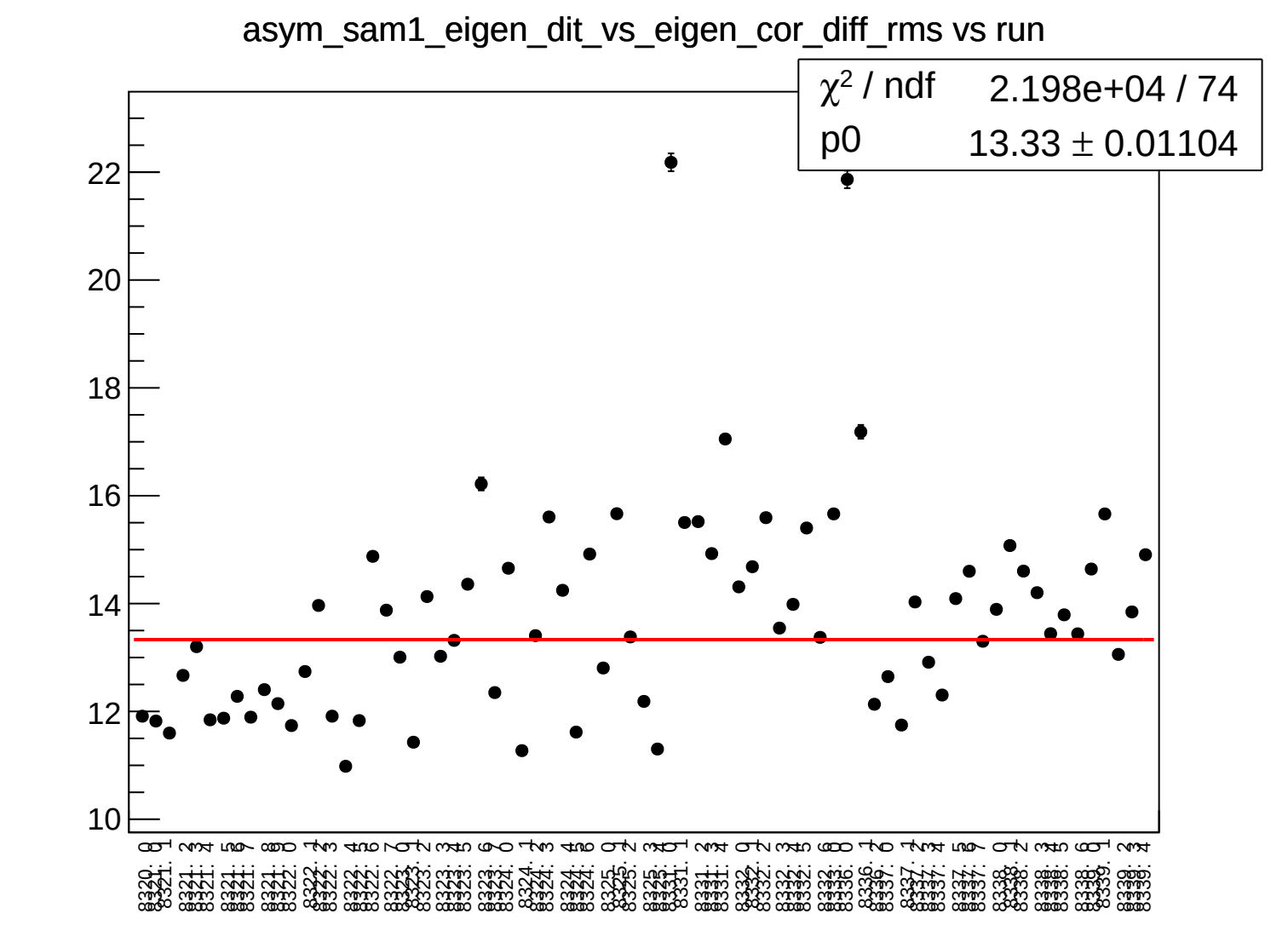

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5.012e+04 / 74
p0 0.0009702 ± 8.114e−07
0.0014
0.0013
0.0012
0.0011
0.001
0.0009
0.0008

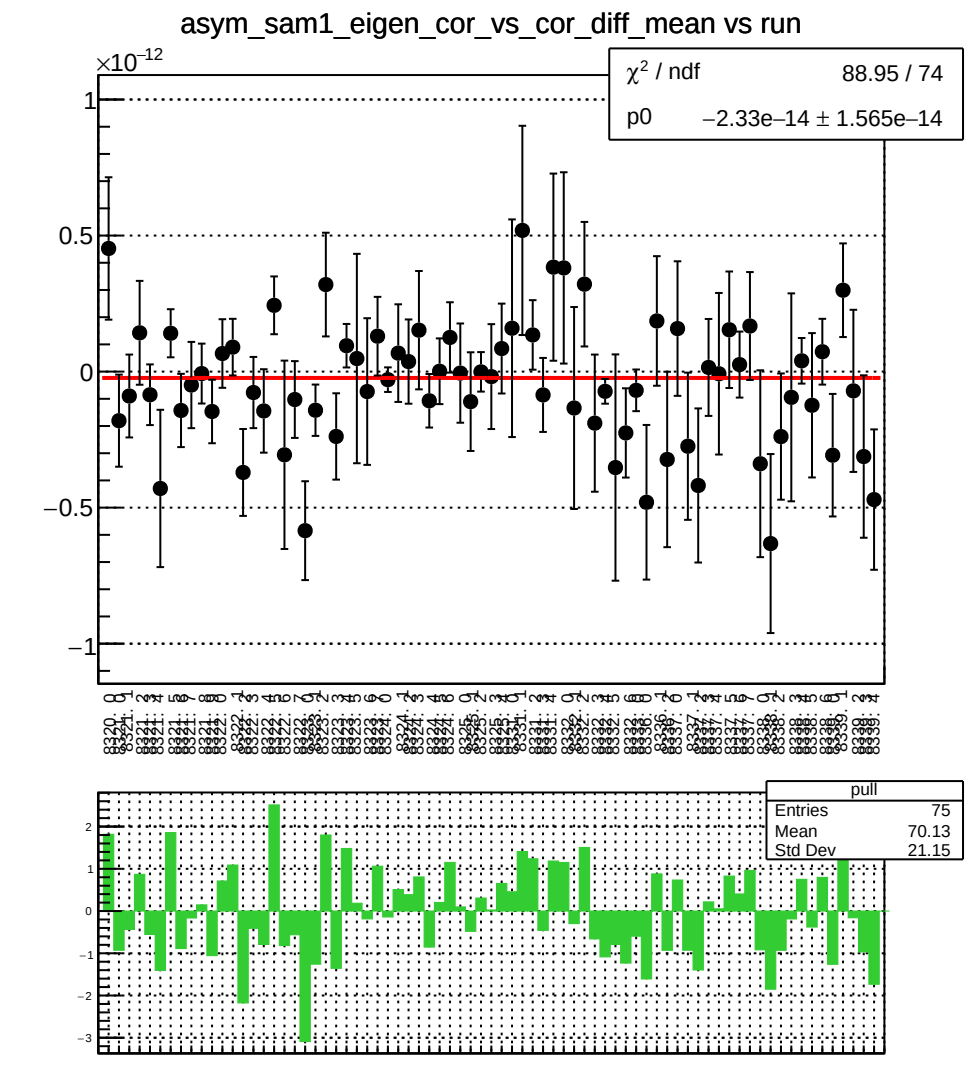

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.34 / 74
p0 −0.03667 ± 0.01561
pull
Entries 75
Mean −24.6
Std Dev 0
pull1D
Entries 75
Mean −0.001436
Std Dev 1.054

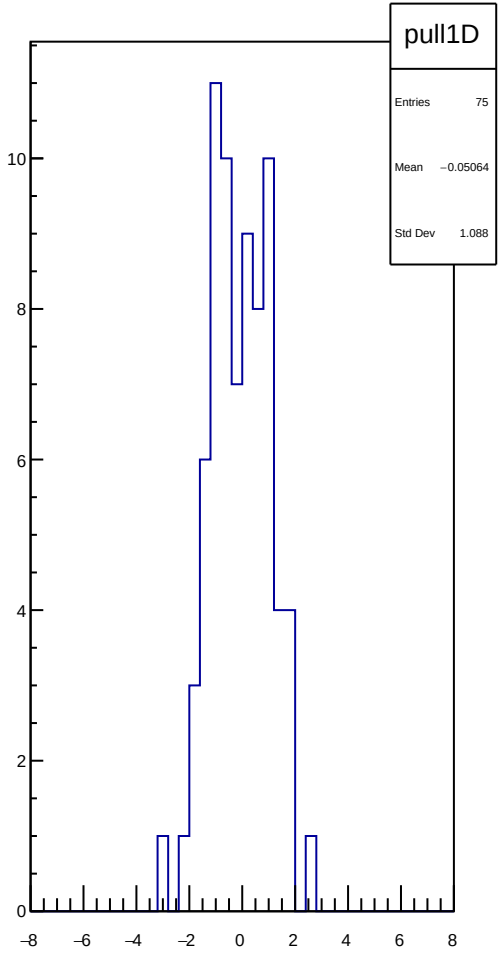

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.198e+04 / 74
p0 13.33 ± 0.01104
22
20
18
16
14
12
10

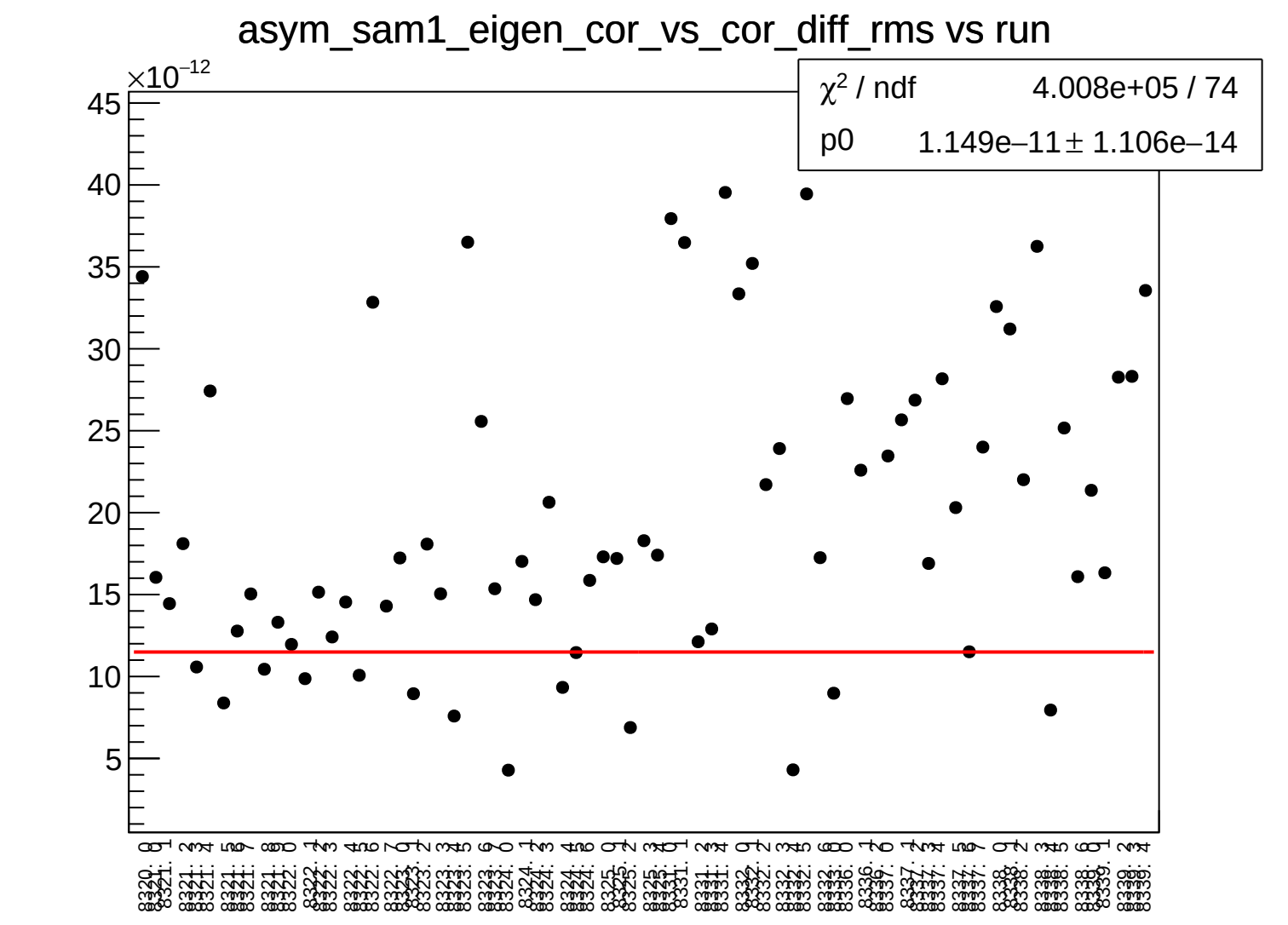

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.34 / 74
p0 −0.03667 ± 0.01561
pull
Entries 75
Mean −24.6
Std Dev 0

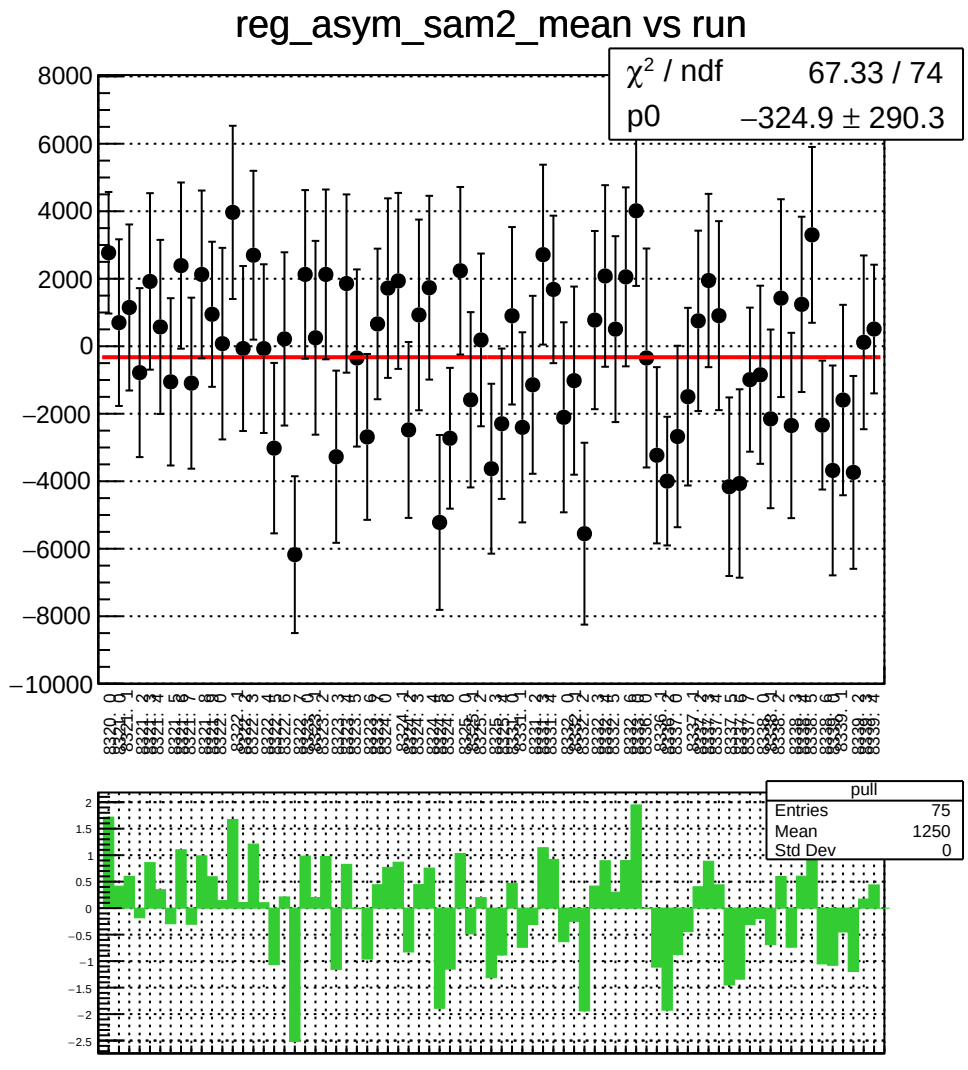

pull1D
Entries 75
Mean −0.001436
Std Dev 1.054

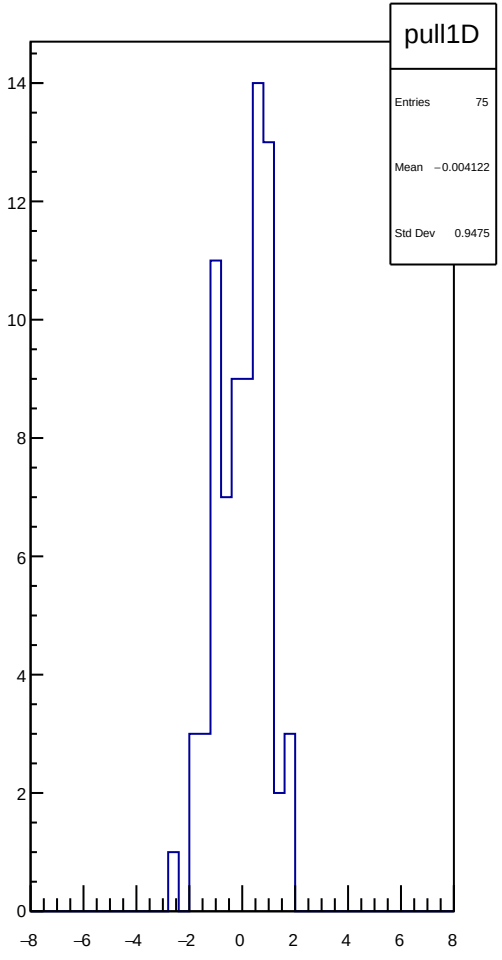

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.198e+04 / 74
p0 13.33 ± 0.01104
22
20
18
16
14
12
10

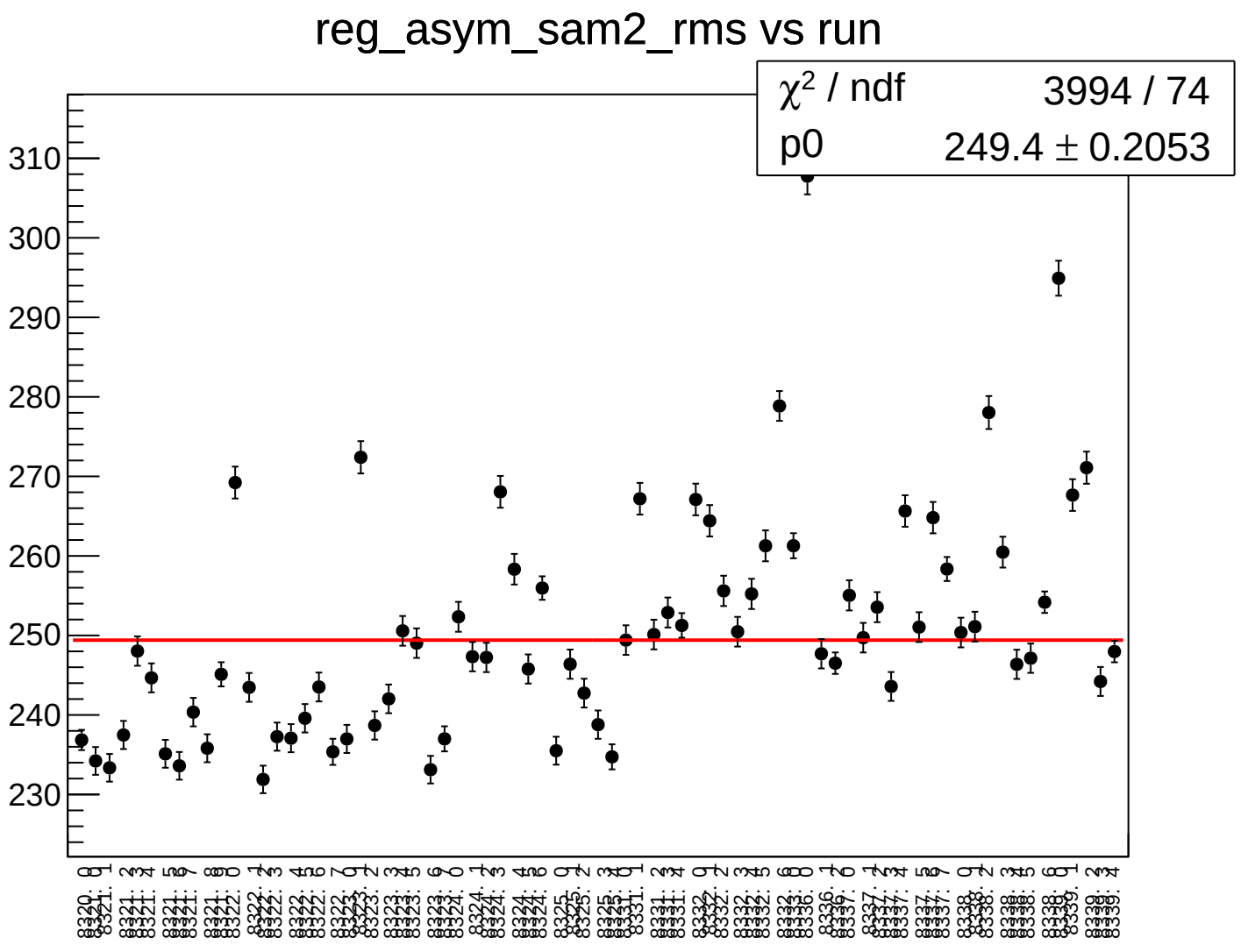

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.95 / 74
p0 −2.33e−14 ± 1.565e−14
pull
Entries 75
Mean 70.13
Std Dev 21.15

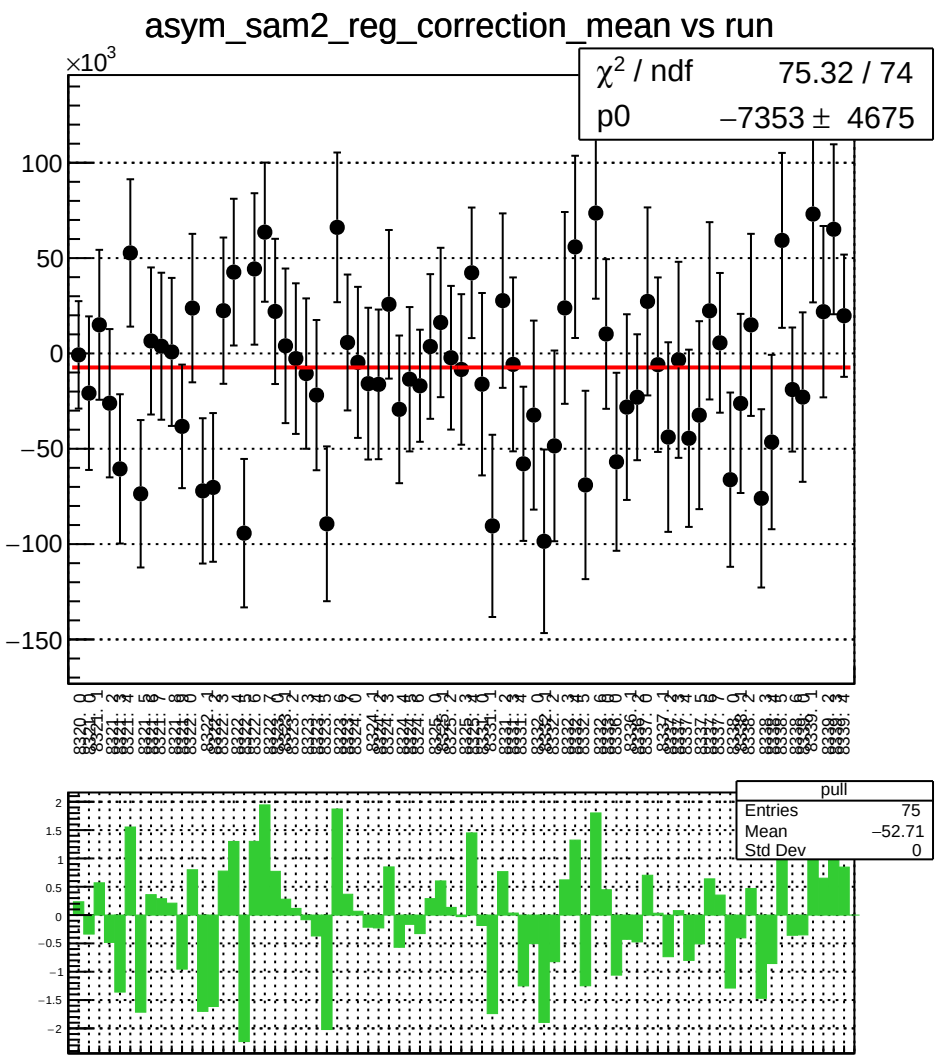

pull1D
Entries 75
Mean −0.05064
Std Dev 1.088

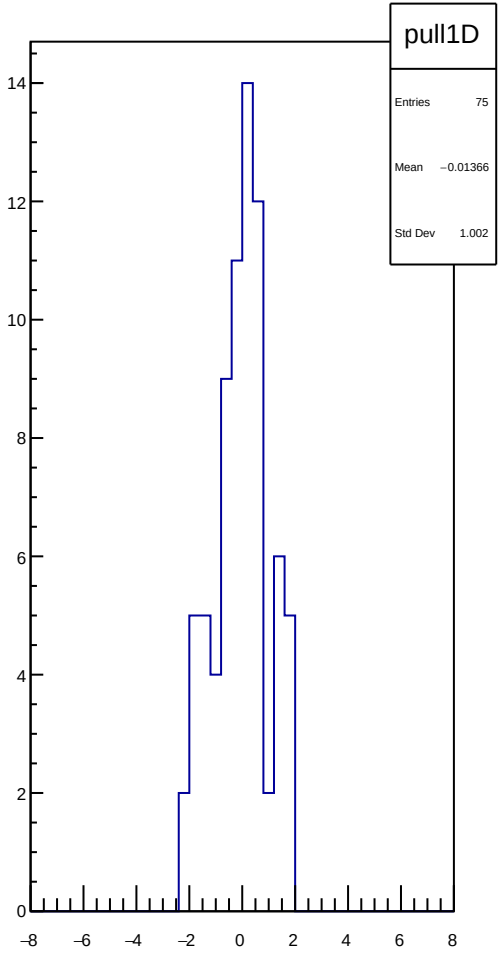

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.008e+05 / 74
p0 1.149e−11 ± 1.106e−14
45
40
35
30
25
20
15
10
5

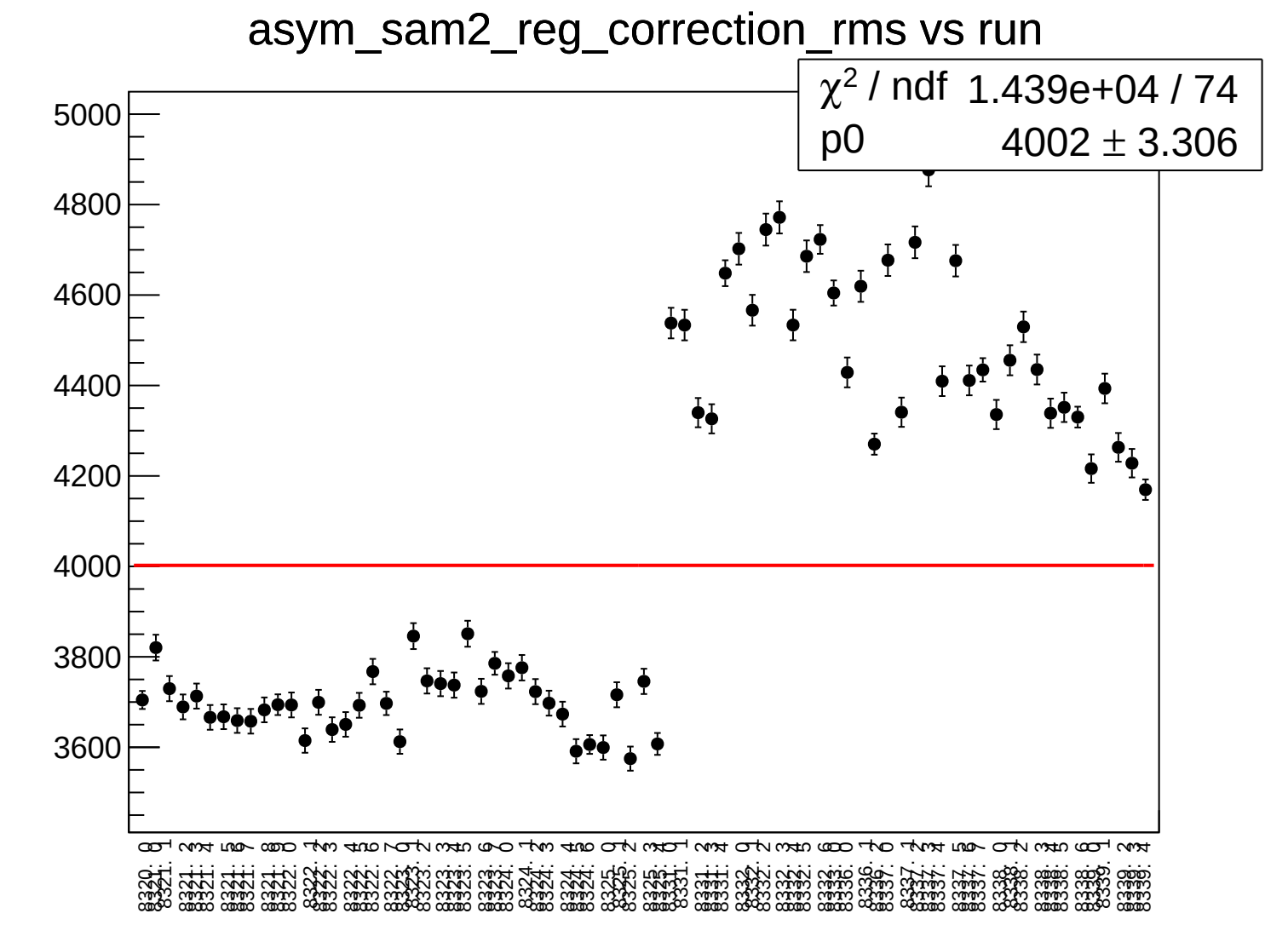

reg_asym_sam2_mean vs run
χ² / ndf 67.33 / 74
p0 −324.9 ± 290.3
pull
Entries 75
Mean 1250
Std Dev 0

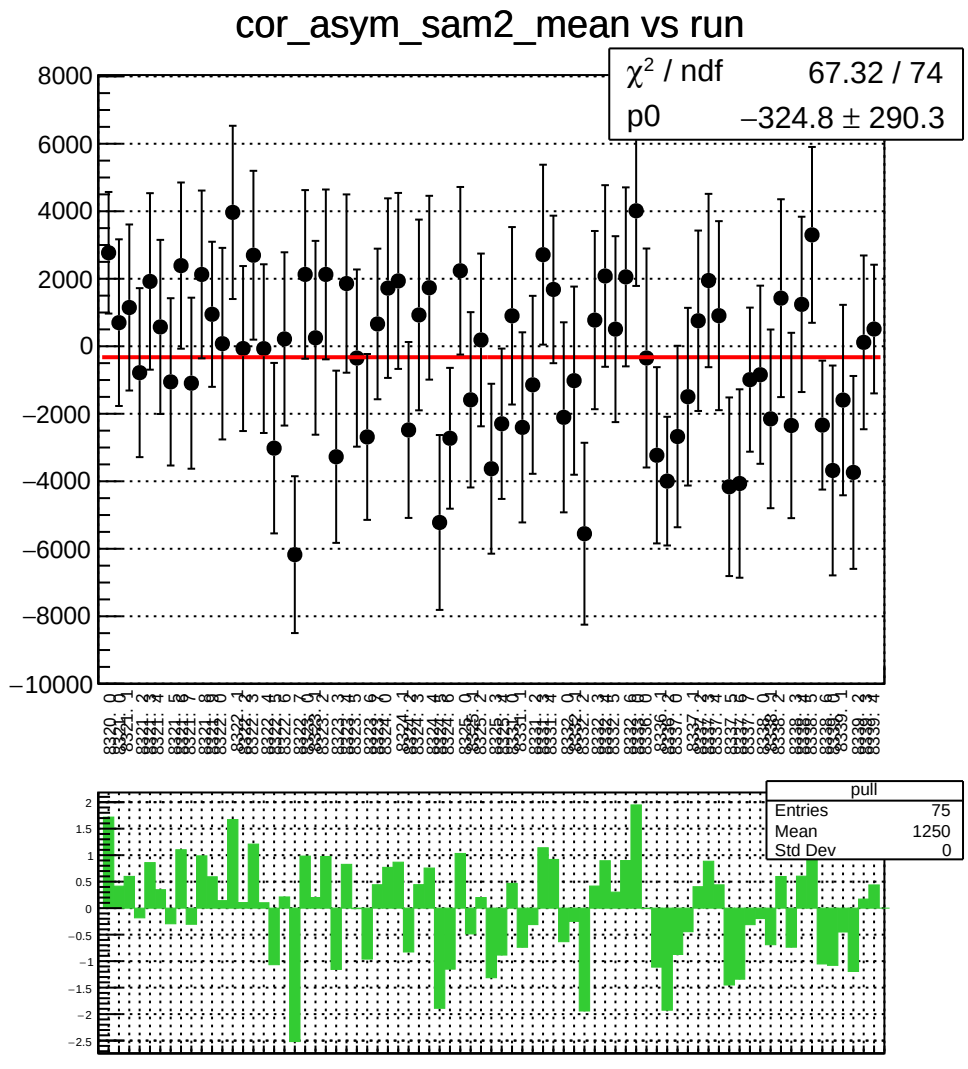

pull1D
Entries 75
Mean −0.004122
Std Dev 0.9475

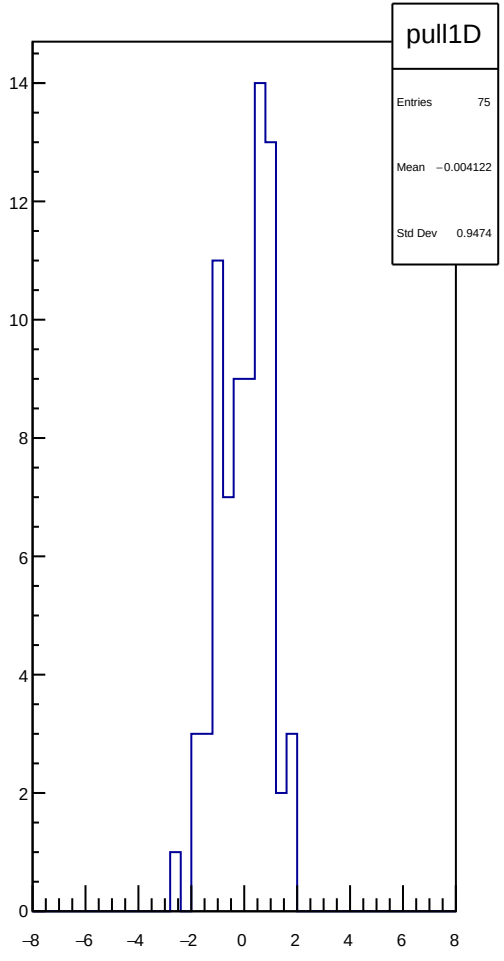

reg_asym_sam2_rms vs run
χ² / ndf 3994 / 74
p0 249.4 ± 0.2053
310
300
290
280
270
260
250
240
230

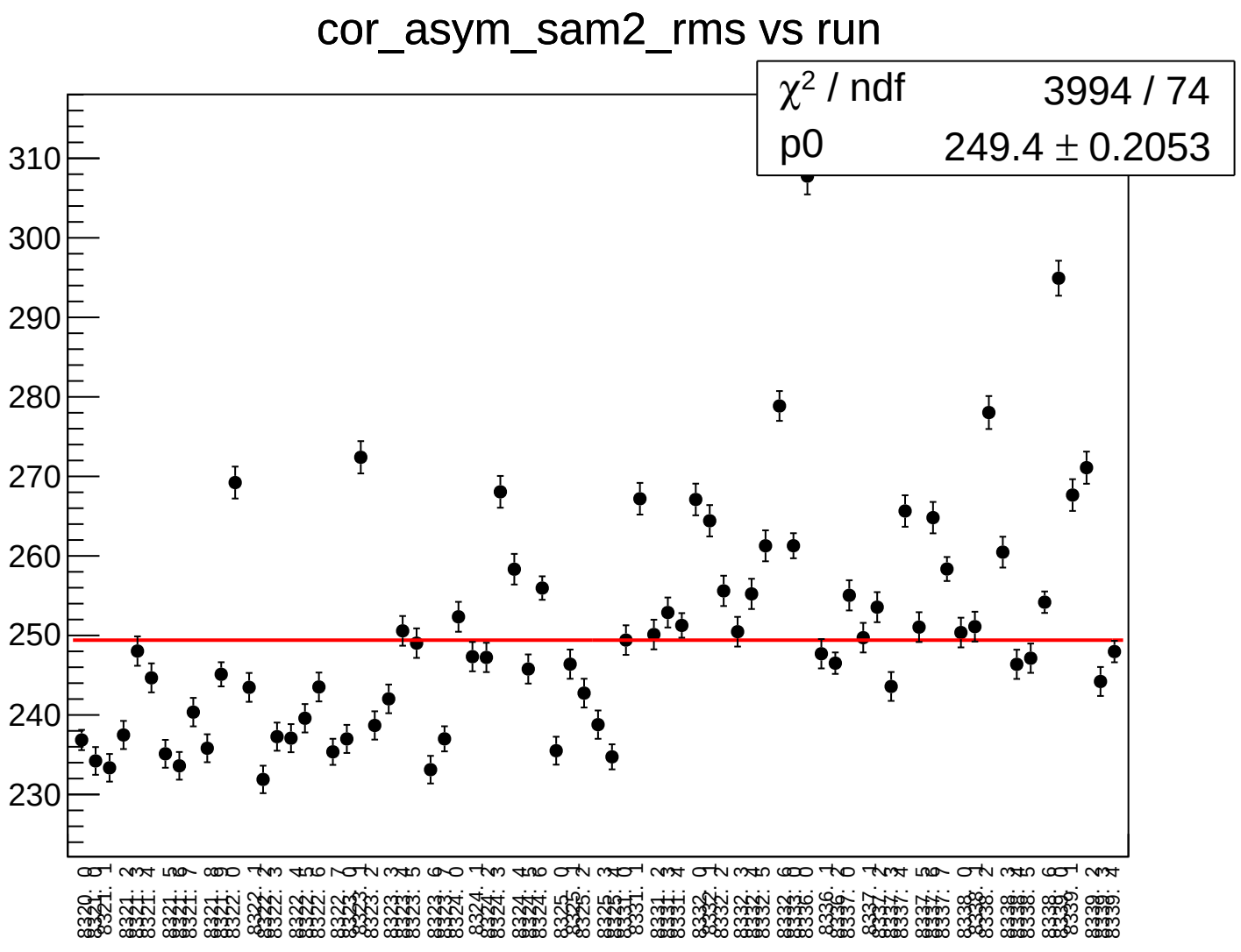

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 75.32 / 74
p0 −7353 ± 4675
100
50
0
−50
−100
−150
pull
Entries 75
Mean −52.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

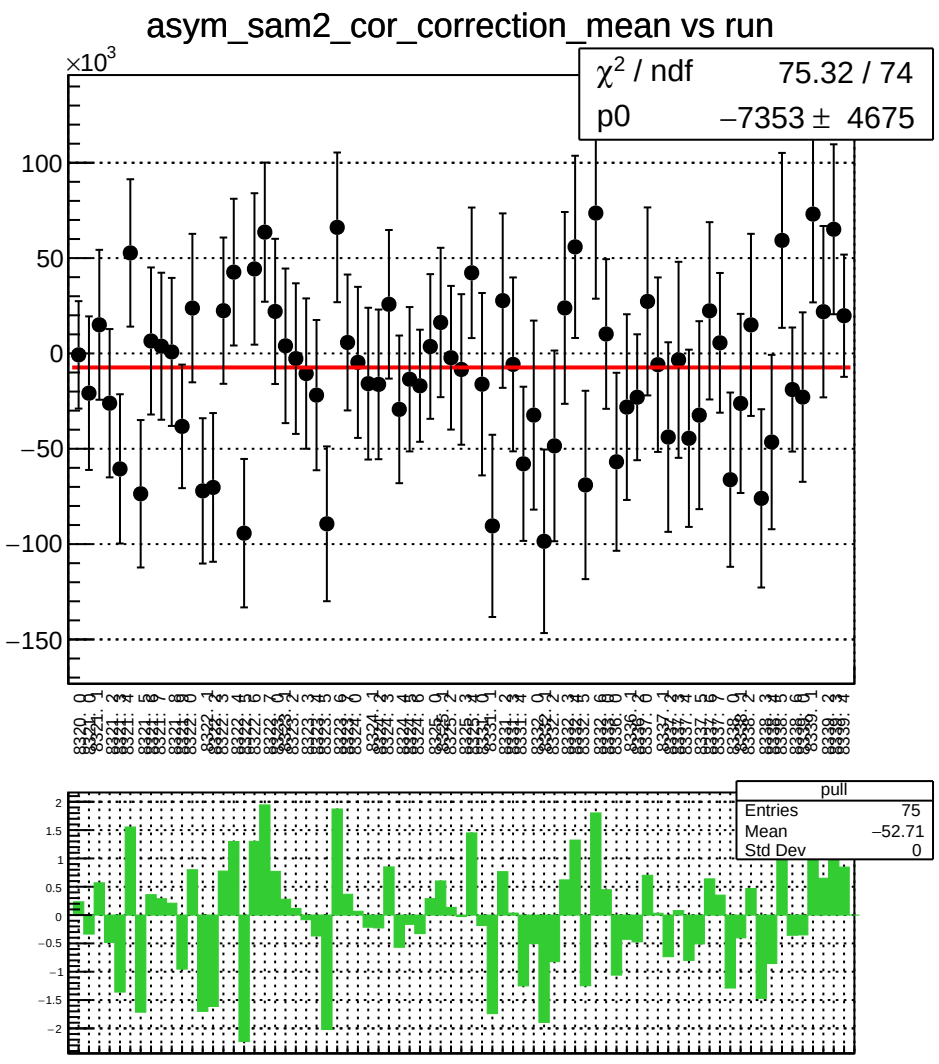

pull1D
Entries 75
Mean −0.01366
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

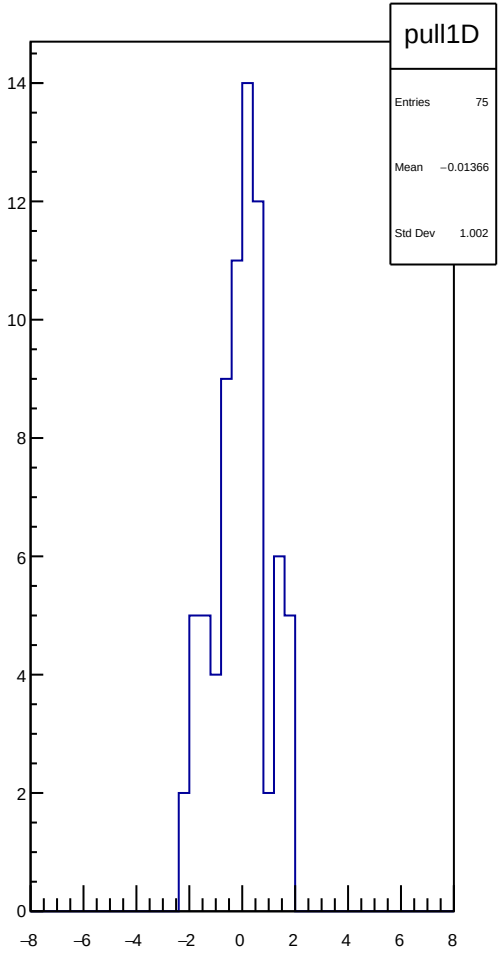

asym_sam2_reg_correction_rms vs run
χ² / ndf 1.439e+04 / 74
p0 4002 ± 3.306
5000
4800
4600
4400
4200
4000
3800
3600

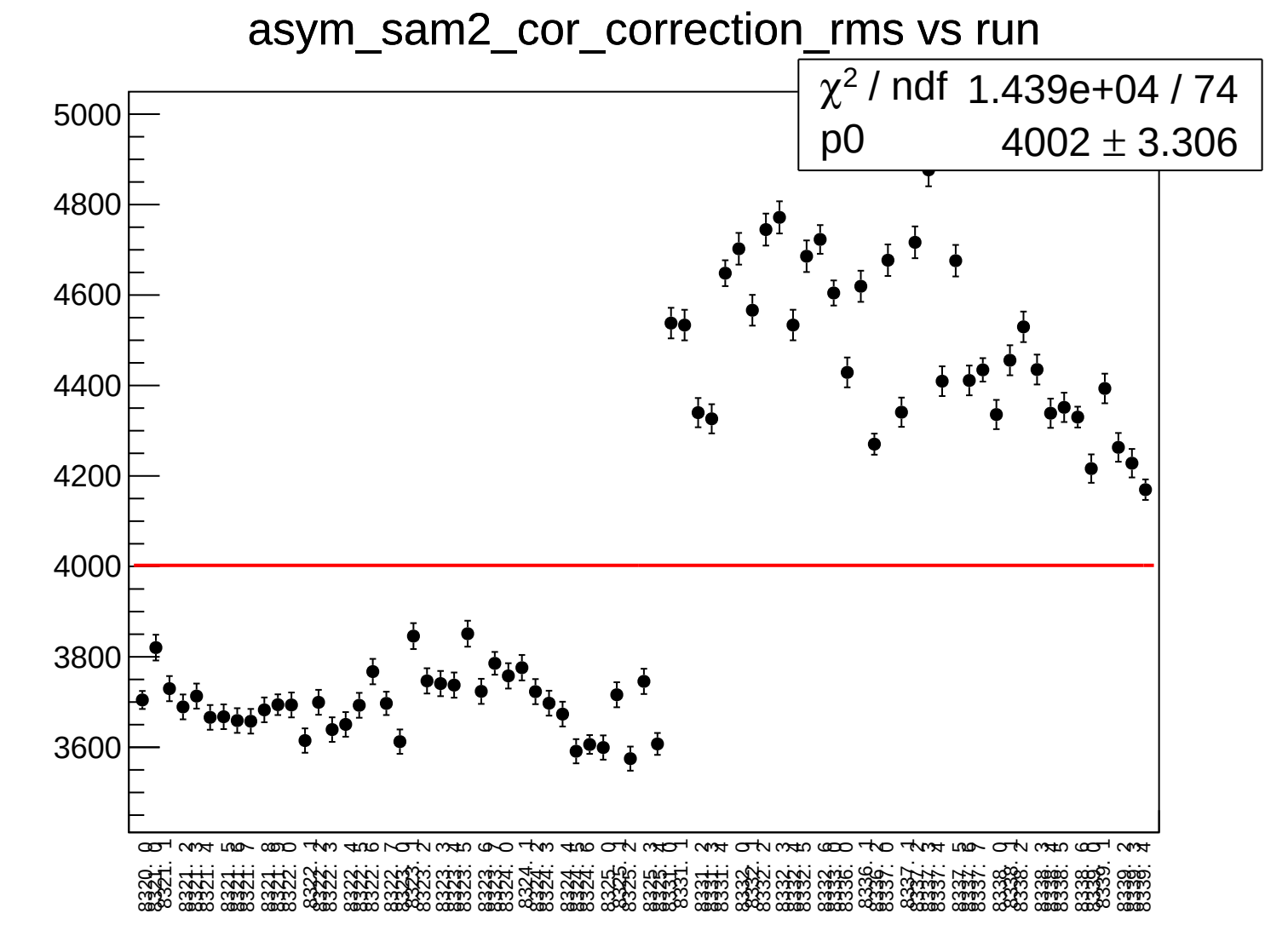

cor_asym_sam2_mean vs run
χ² / ndf 67.32 / 74
p0 −324.8 ± 290.3
pull
Entries 75
Mean 1250
Std Dev 0

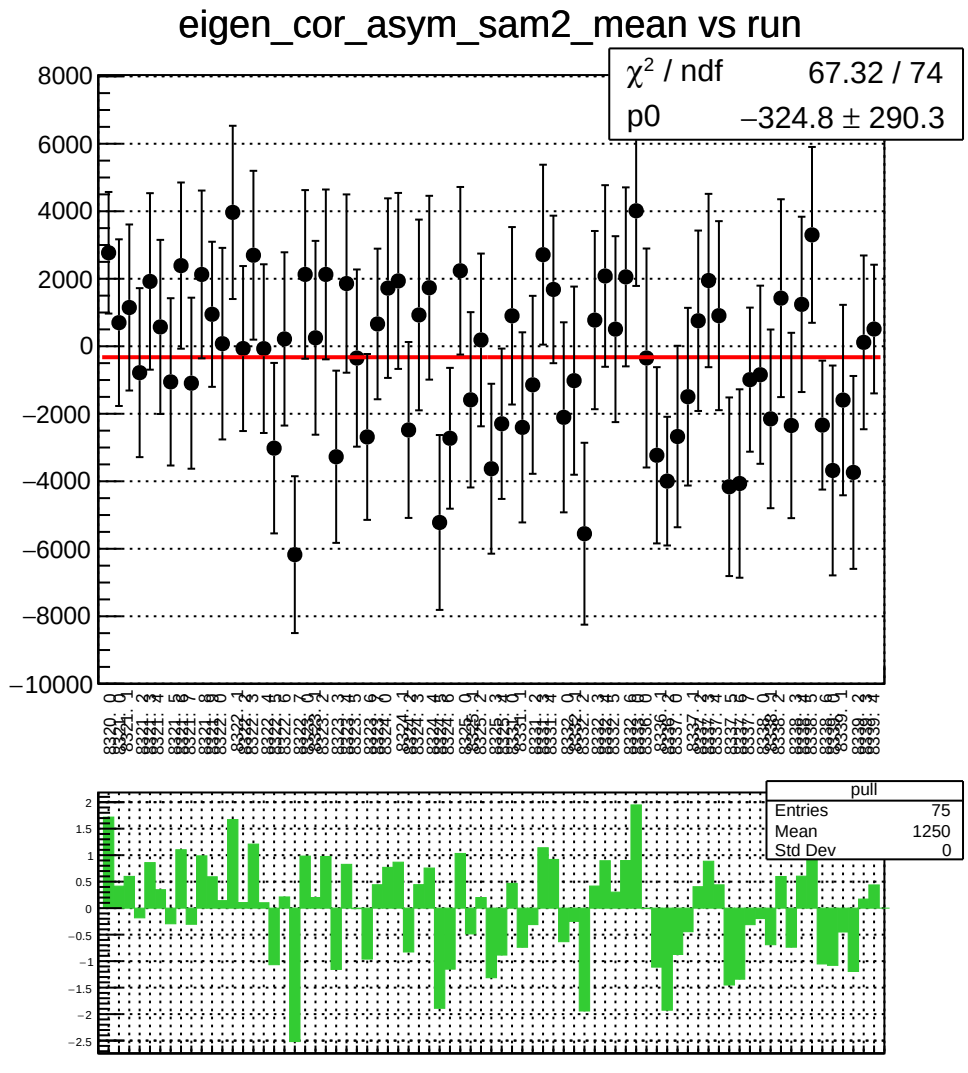

pull1D
Entries 75
Mean −0.004122
Std Dev 0.9474

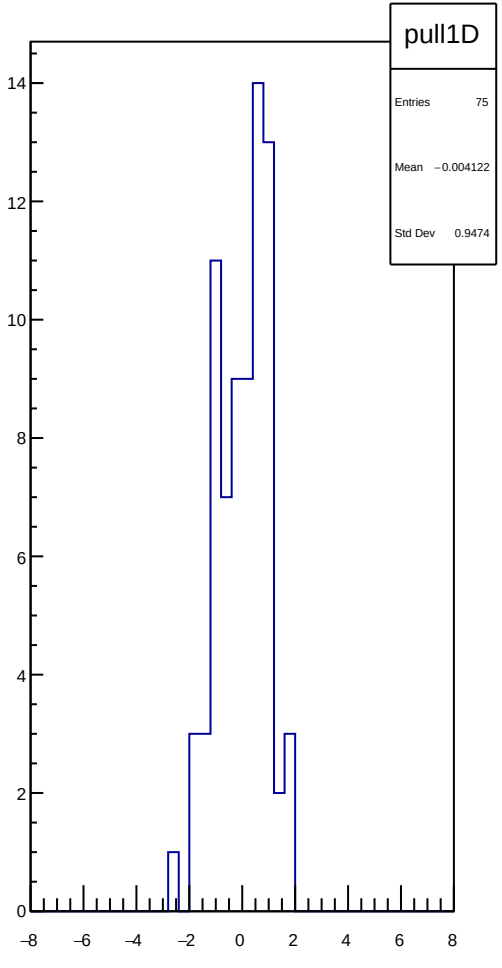

cor_asym_sam2_rms vs run
χ^2 / ndf 3994 / 74
p0 249.4 ± 0.2053
310
300
290
280
270
260
250
240
230

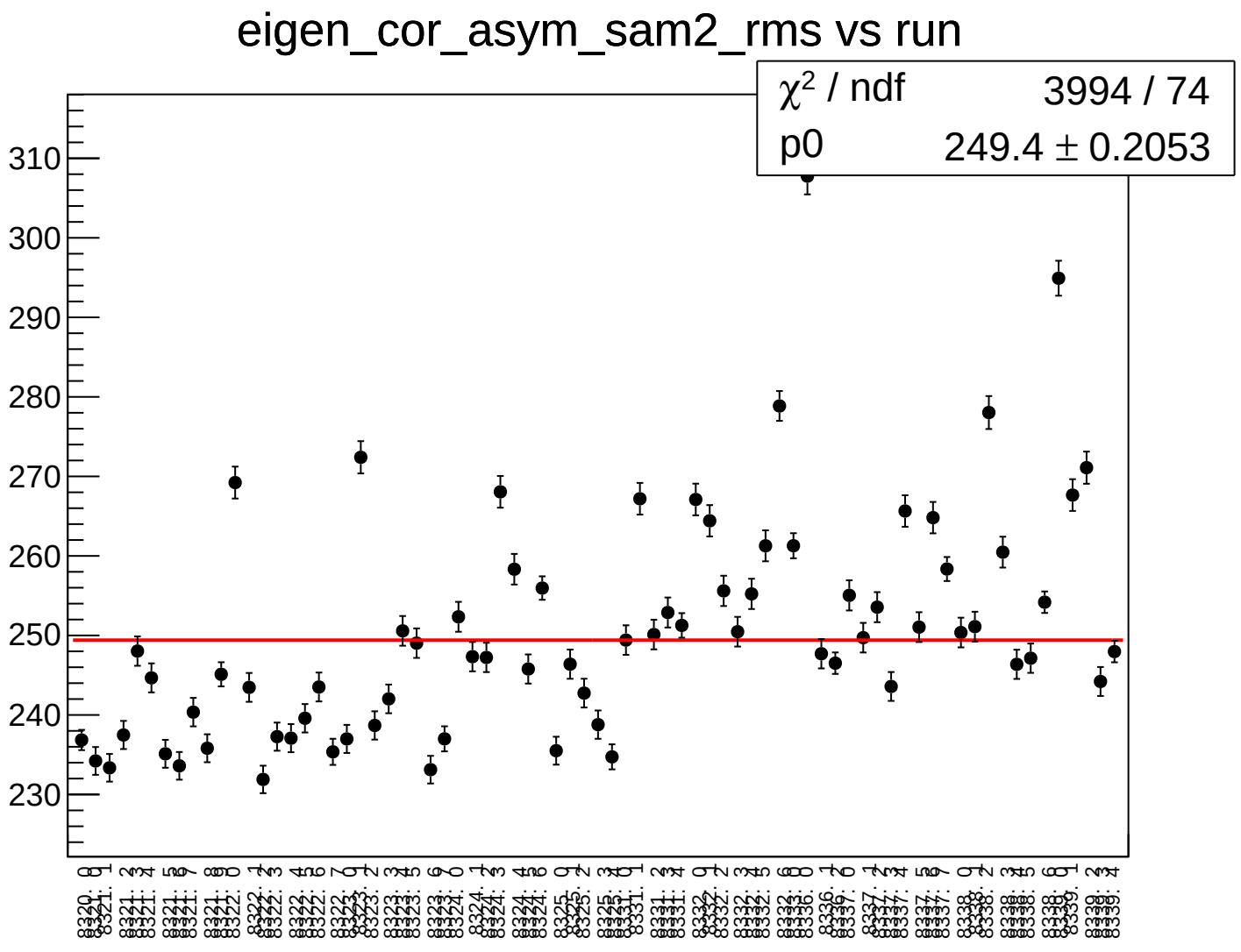

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 75.32 / 74
p0 −7353 ± 4675
100
50
0
−50
−100
−150
pull
Entries 75
Mean −52.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

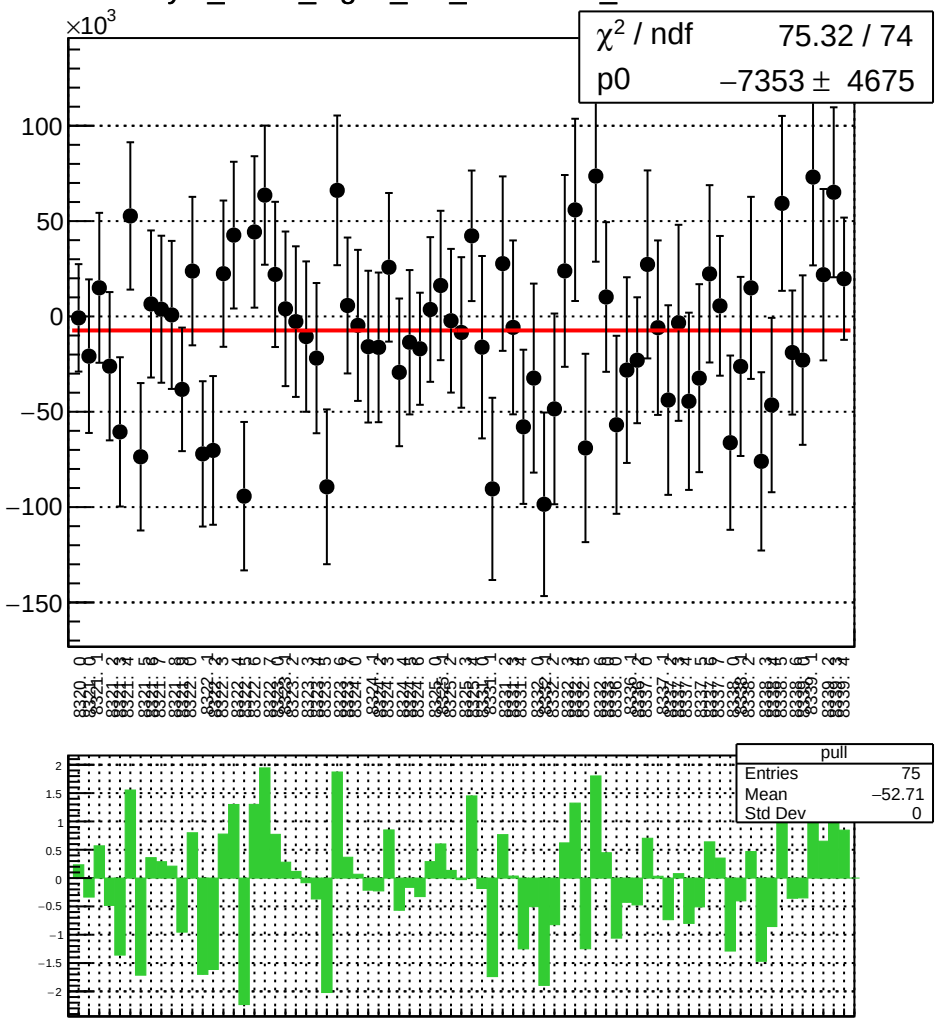

pull1D
Entries 75
Mean −0.01366
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

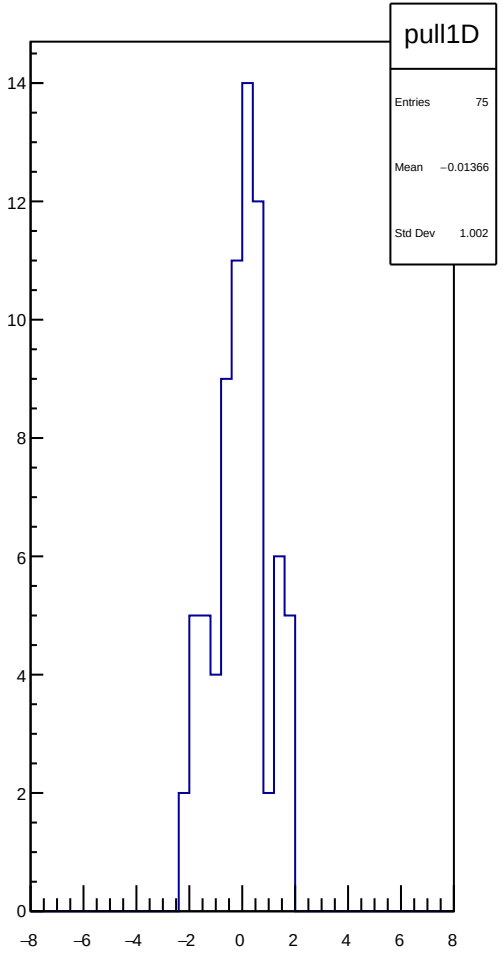

asym_sam2_cor_correction_rms vs run
χ² / ndf 1.439e+04 / 74
p0 4002 ± 3.306
5000
4800
4600
4400
4200
4000
3800
3600

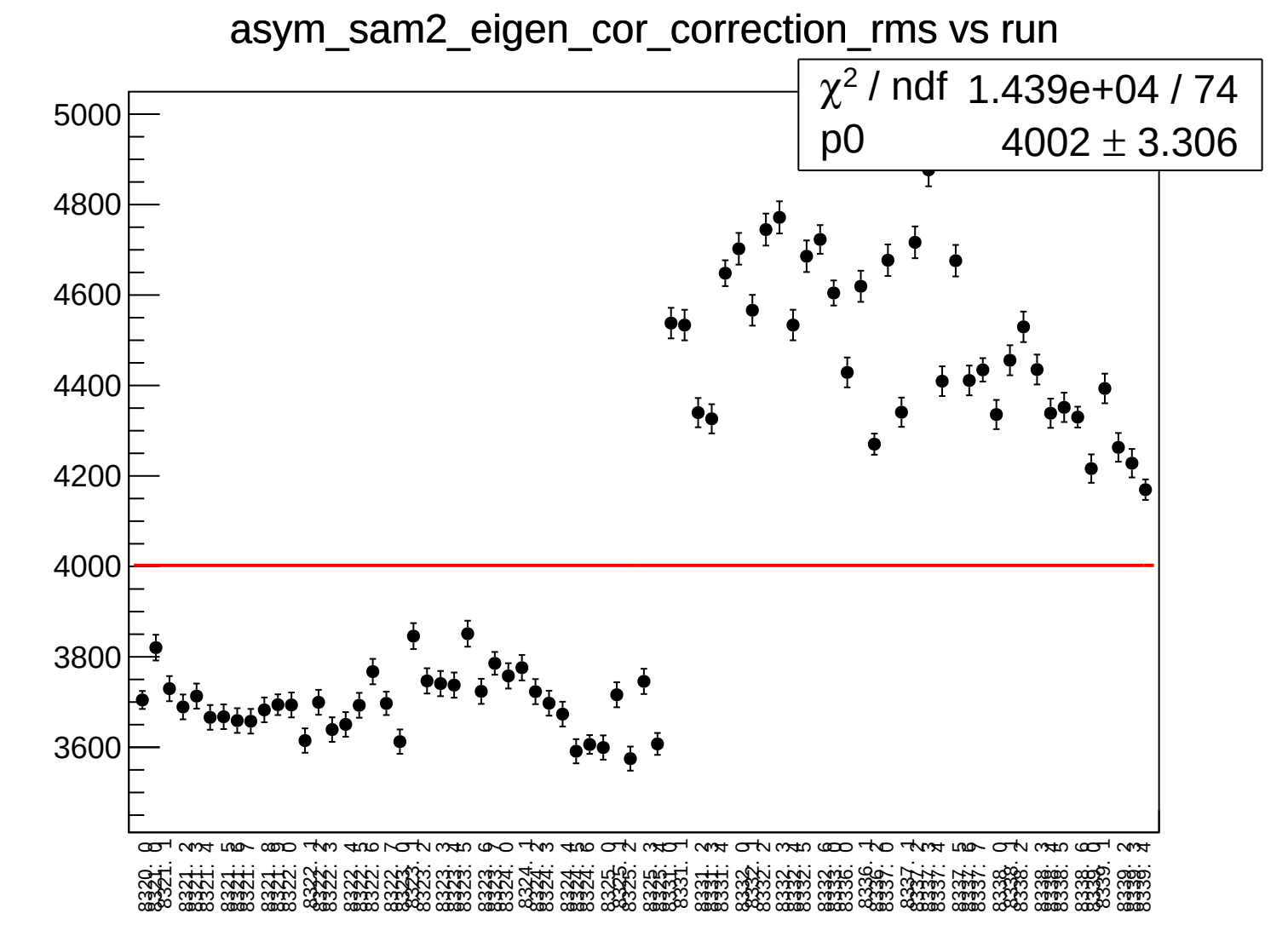

eigen_cor_asym_sam2_mean vs run
χ² / ndf 67.32 / 74
p0 −324.8 ± 290.3
pull
Entries 75
Mean 1250
Std Dev 0

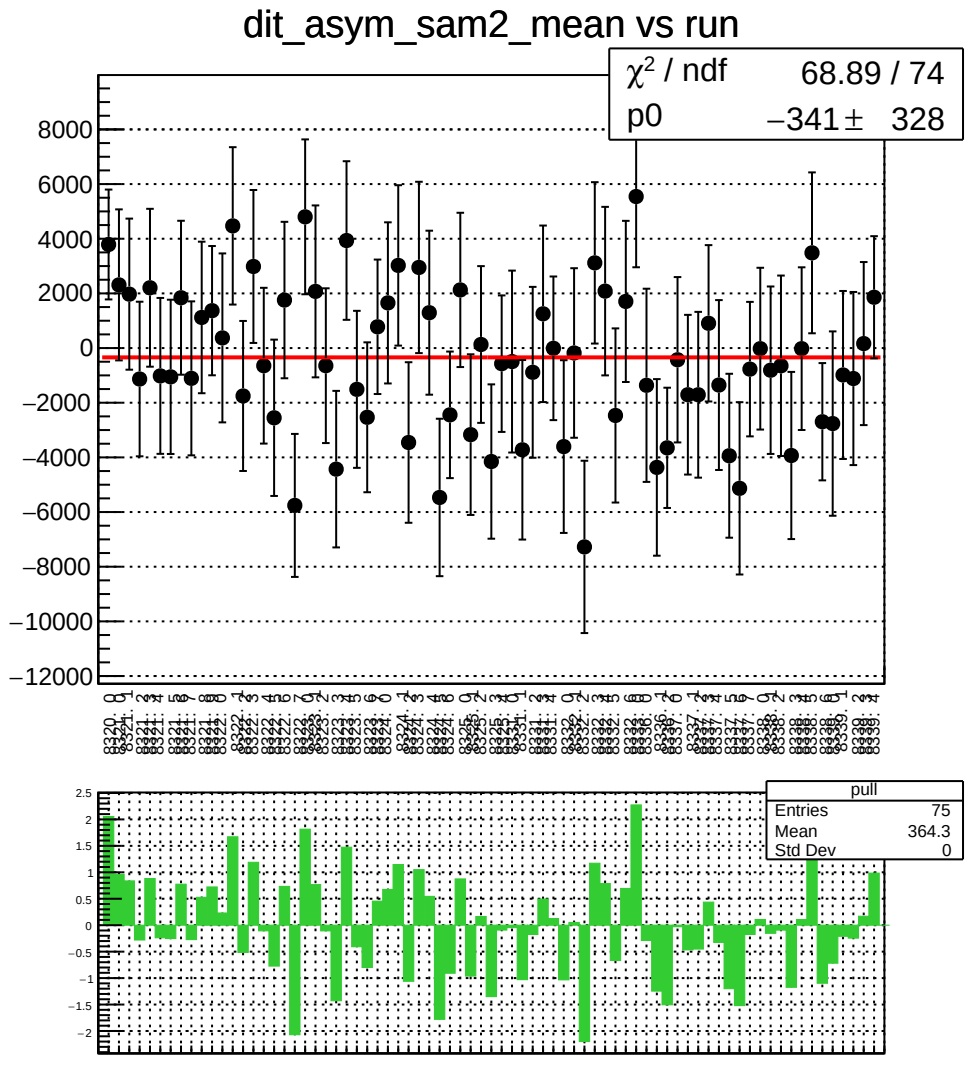

pull1D
Entries 75
Mean −0.004122
Std Dev 0.9474

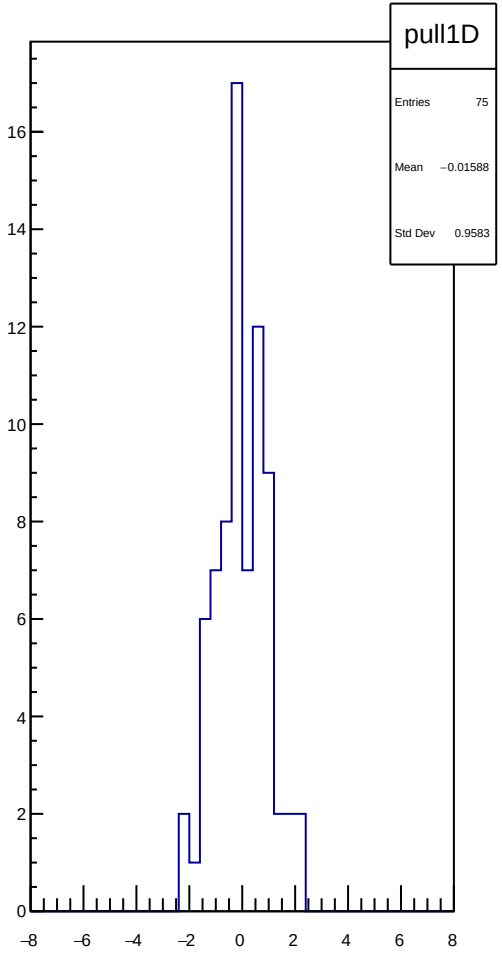

eigen_cor_asym_sam2_rms vs run
χ² / ndf 3994 / 74
p0 249.4 ± 0.2053
310
300
290
280
270
260
250
240
230

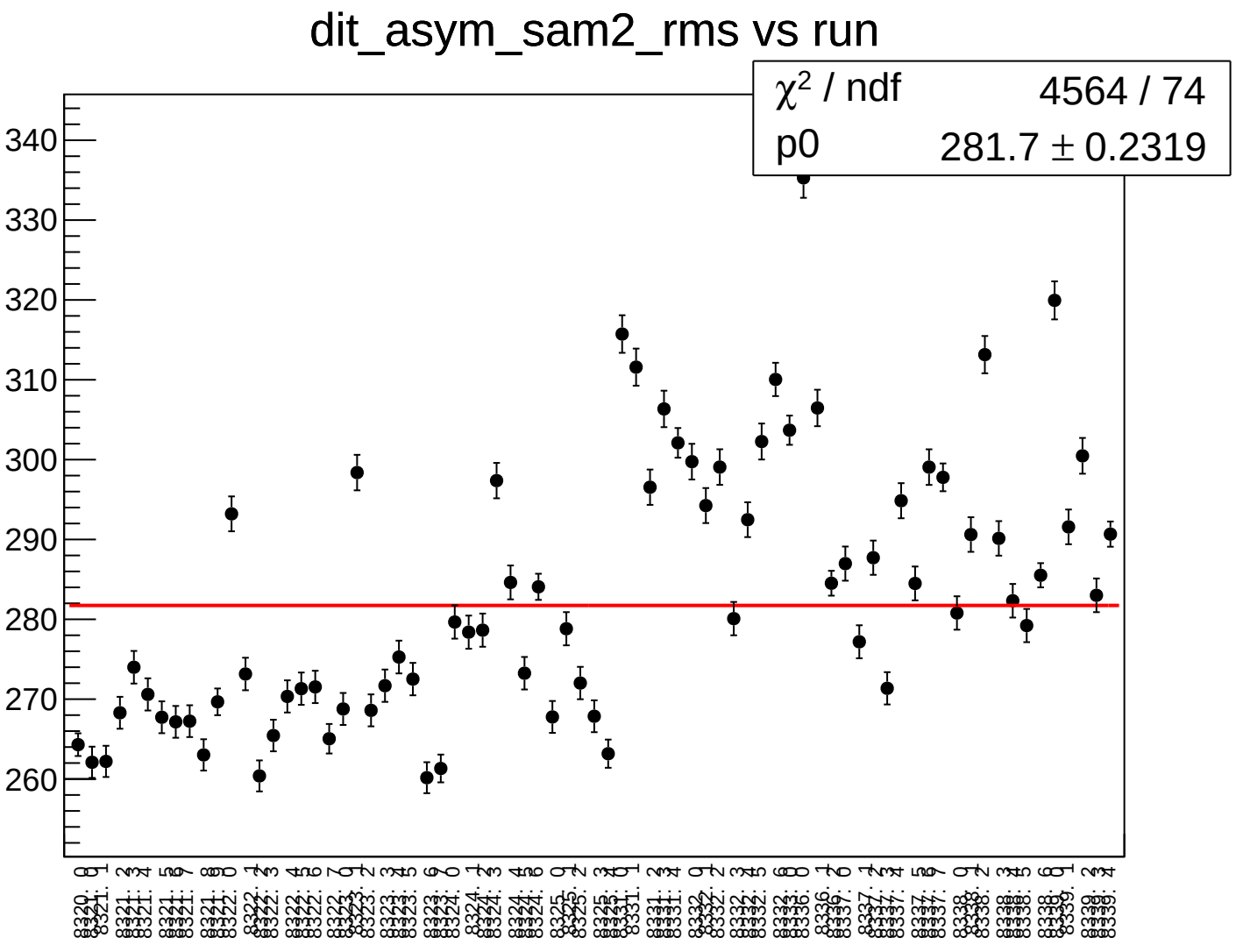

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 75.32 / 74
p0 −7353 ± 4675
100
50
0
−50
−100
−150
pull
Entries 75
Mean −52.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

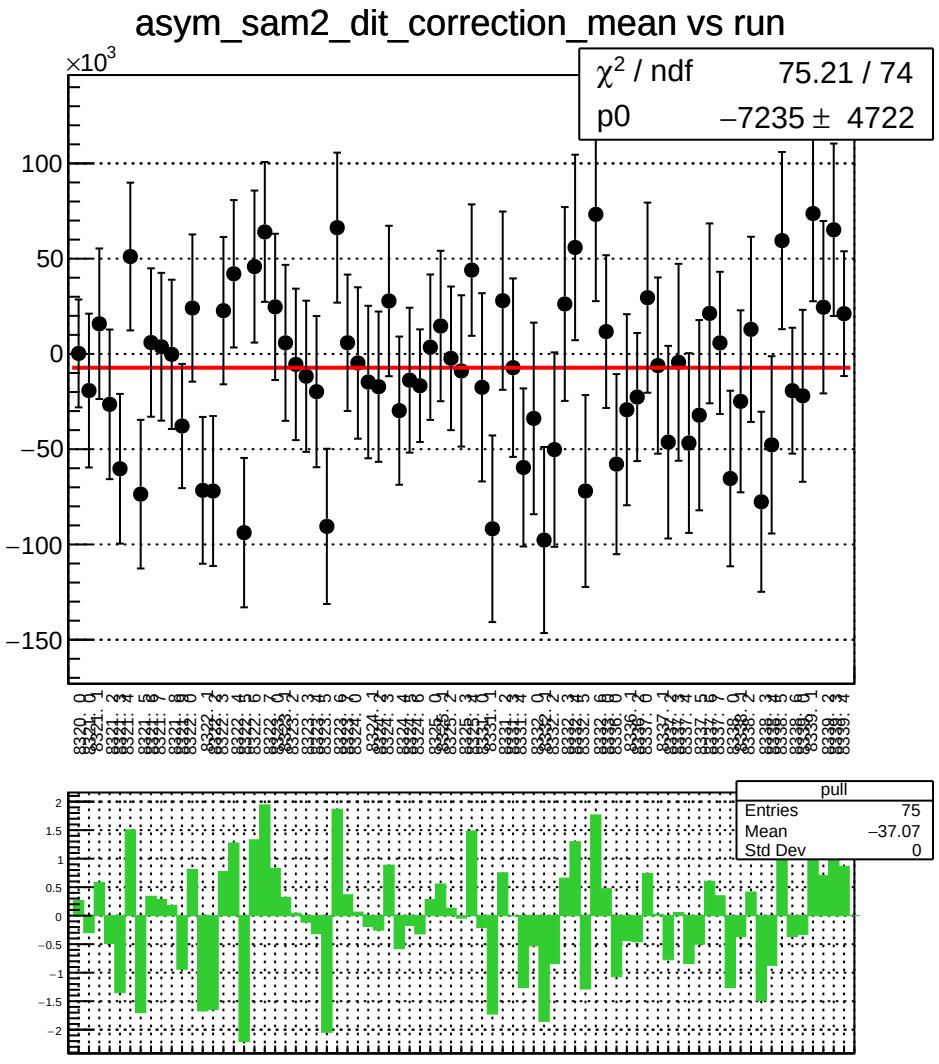

pull1D
Entries 75
Mean −0.01366
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

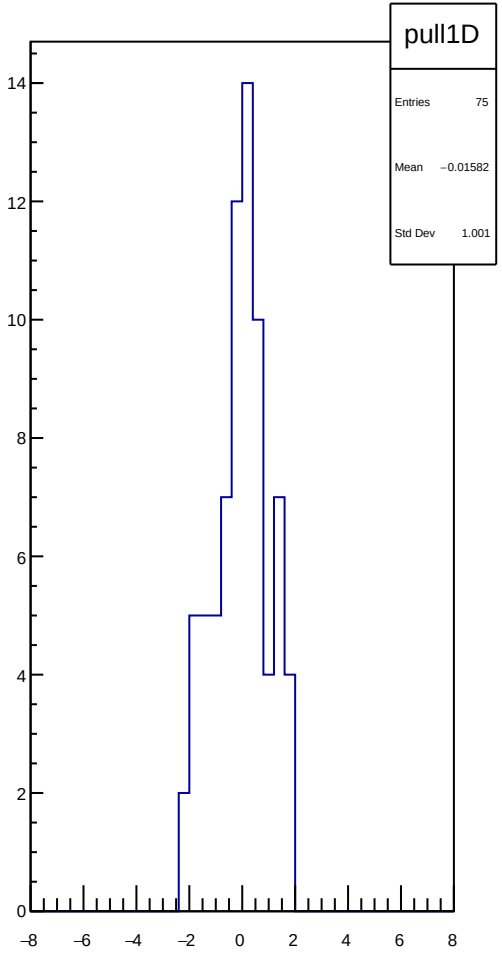

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1.439e+04 / 74
p0 4002 ± 3.306
5000
4800
4600
4400
4200
4000
3800
3600

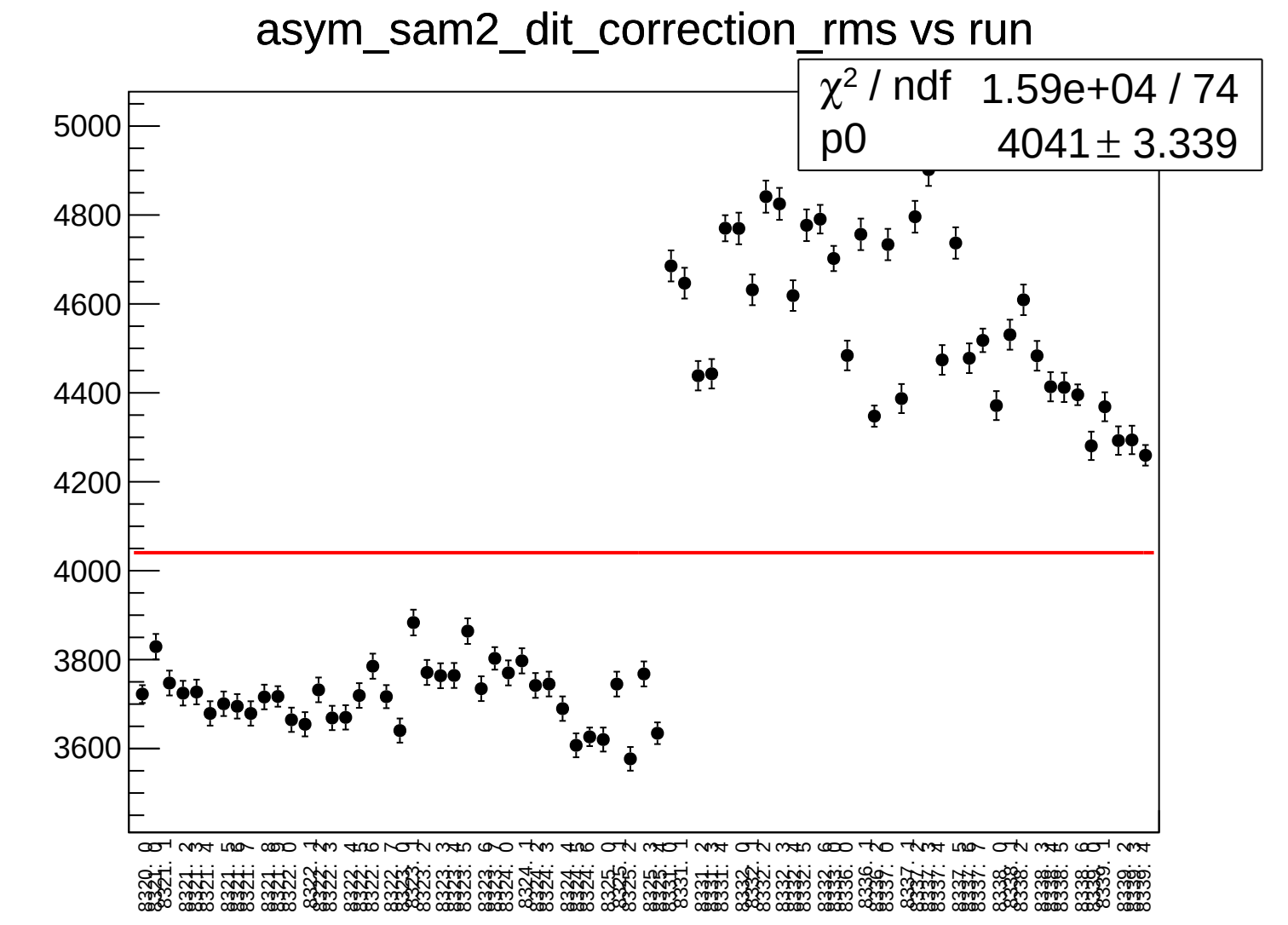

dit_asym_sam2_mean vs run
χ² / ndf 68.89 / 74
p0 −341 ± 328
pull
Entries 75
Mean 364.3
Std Dev 0

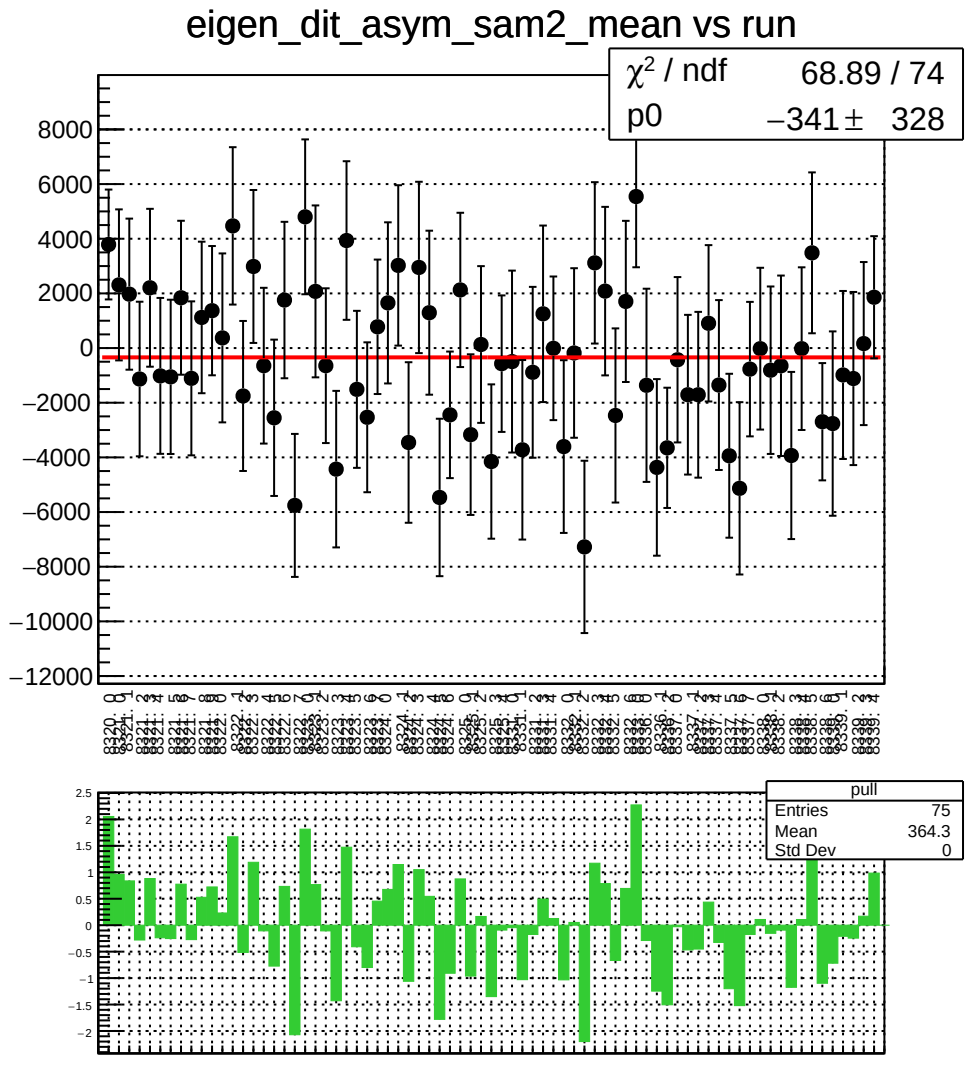

pull1D
Entries 75
Mean −0.01588
Std Dev 0.9583

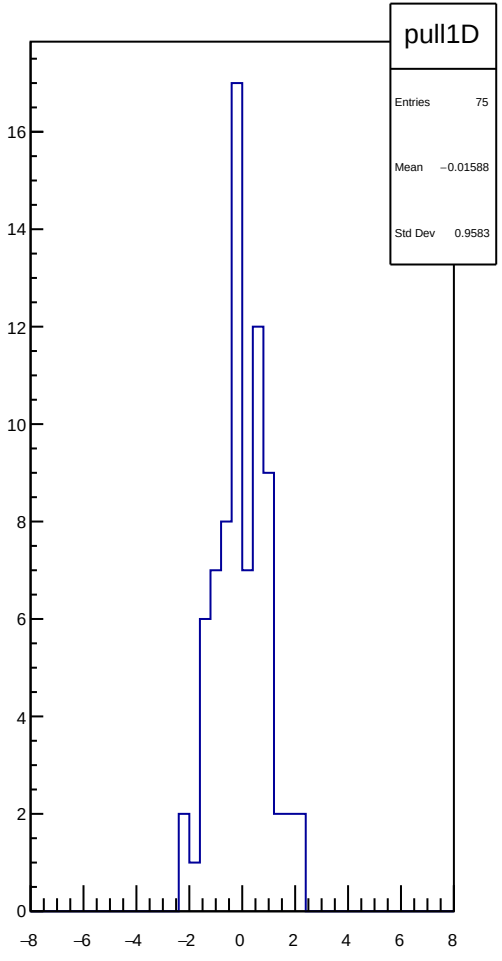

dit_asym_sam2_rms vs run
χ² / ndf 4564 / 74
p0 281.7 ± 0.2319
340
330
320
310
300
290
280
270
260

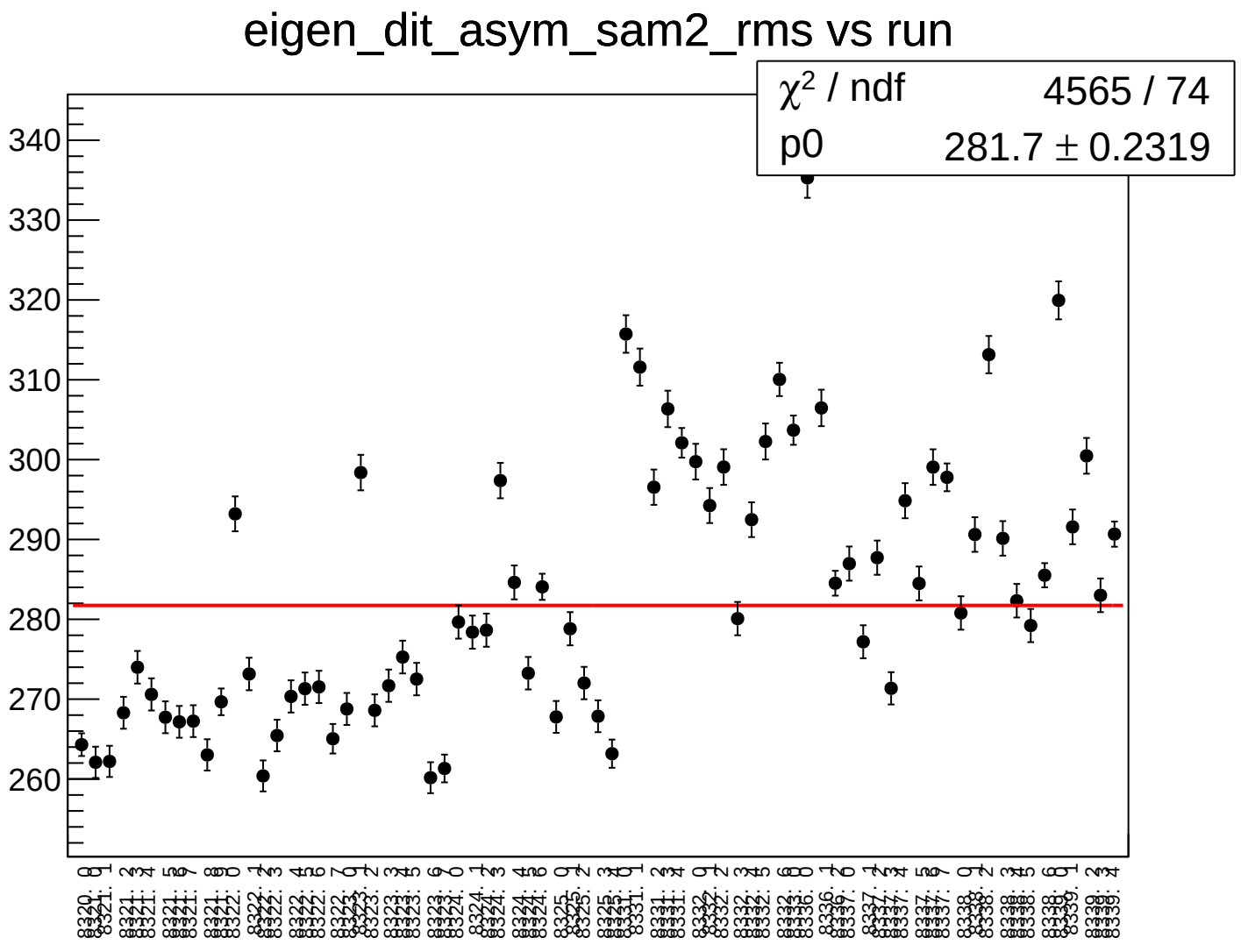

asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 75.21 / 74
p0 −7235 ± 4722
100
50
0
−50
−100
−150
pull
Entries 75
Mean −37.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

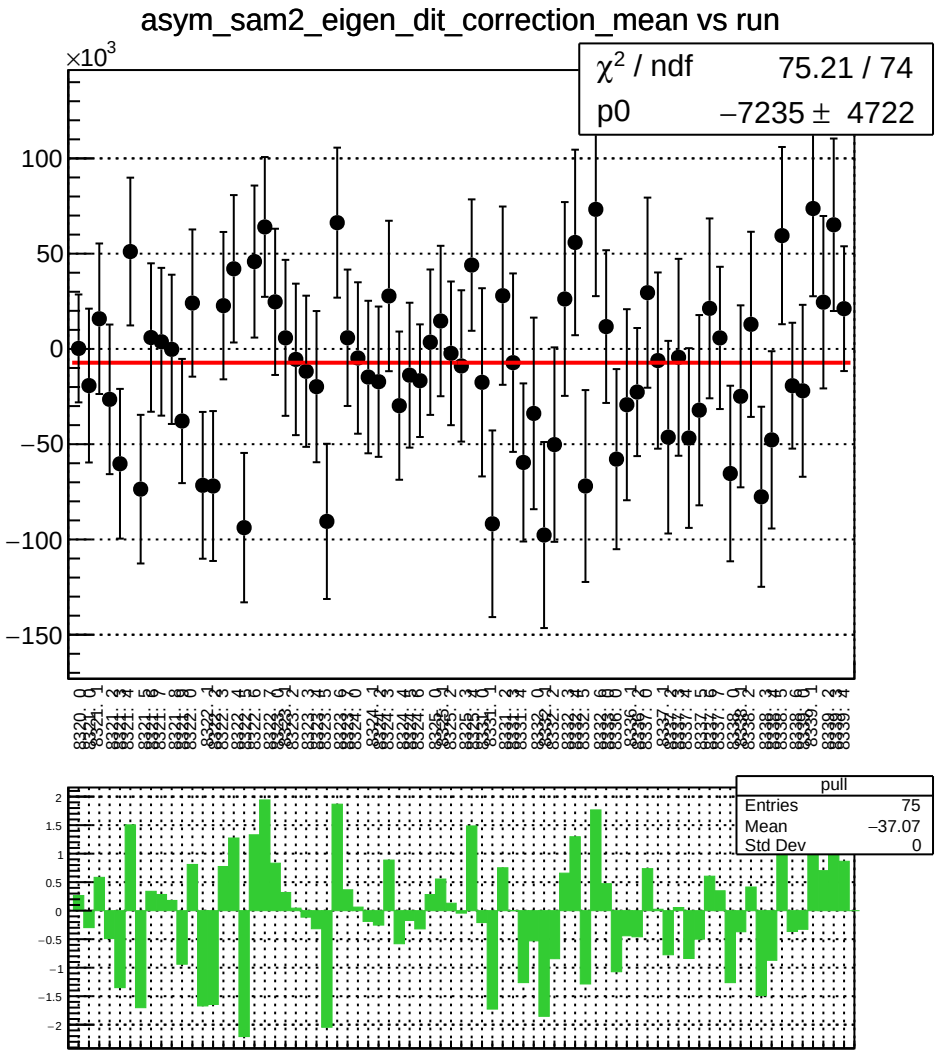

pull1D
Entries 75
Mean −0.01582
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

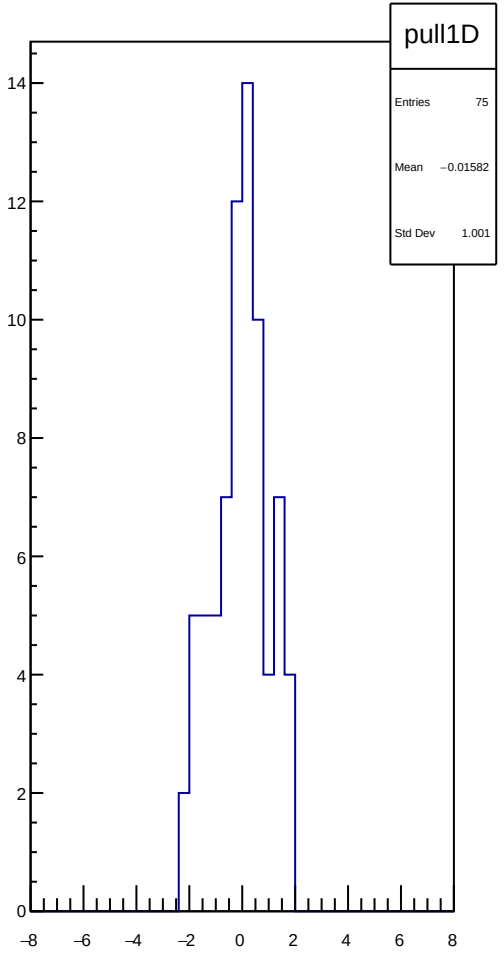

asym_sam2_dit_correction_rms vs run
χ² / ndf 1.59e+04 / 74
p0 4041 ± 3.339
5000
4800
4600
4400
4200
4000
3800
3600

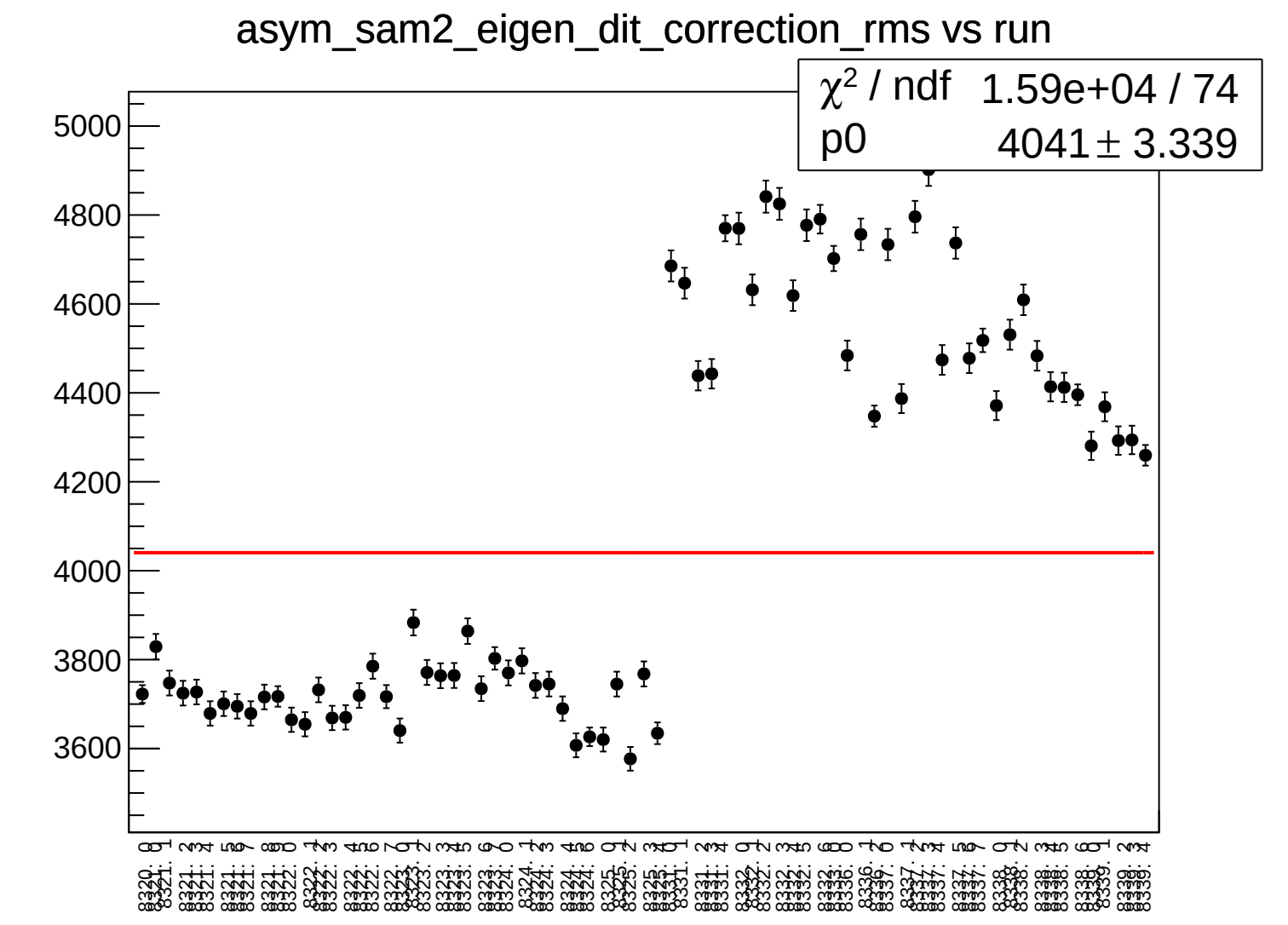

eigen_dit_asym_sam2_mean vs run
χ² / ndf 68.89 / 74
p0 −341 ± 328
pull
Entries 75
Mean 364.3
Std Dev 0

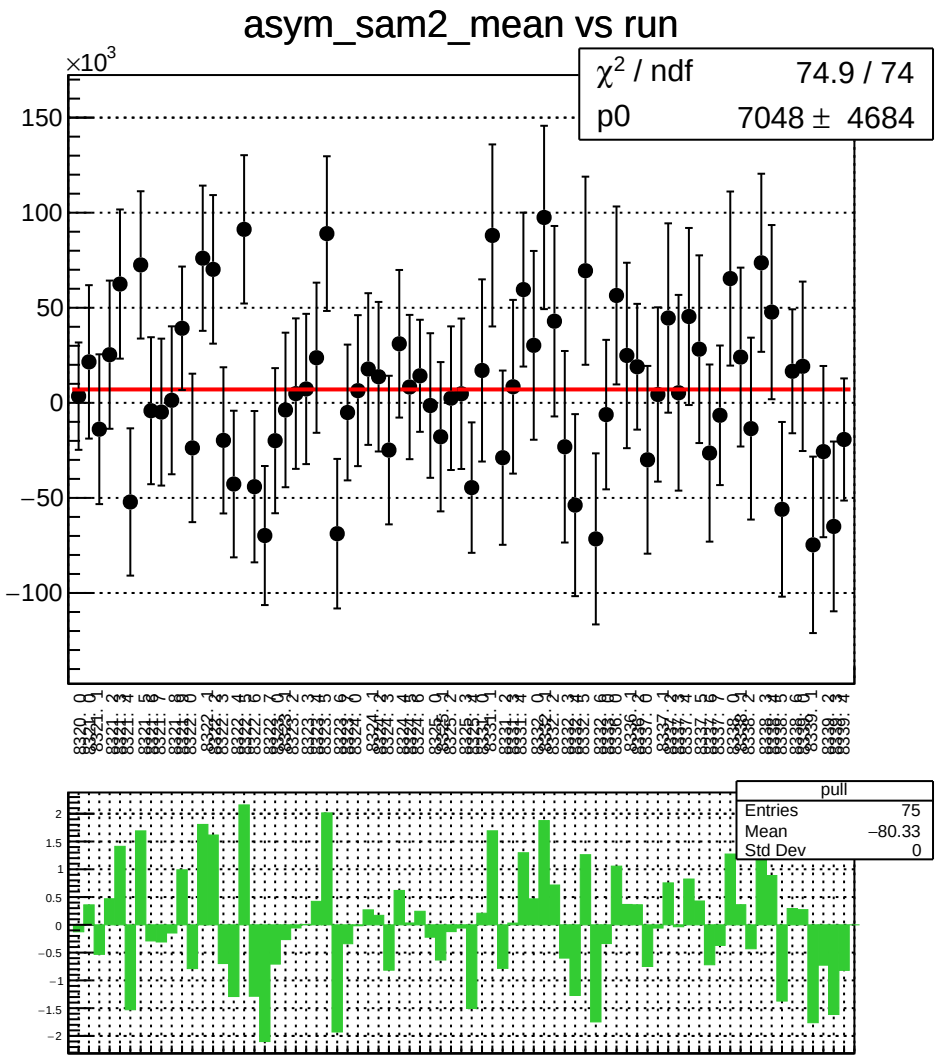

pull1D
Entries 75
Mean −0.01588
Std Dev 0.9583

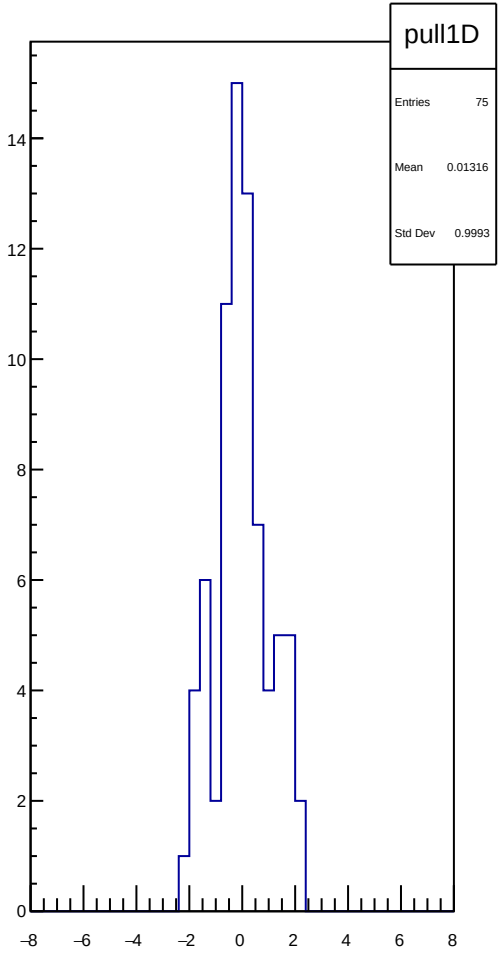

eigen_dit_asym_sam2_rms vs run
χ² / ndf 4565 / 74
p0 281.7 ± 0.2319
340
330
320
310
300
290
280
270
260

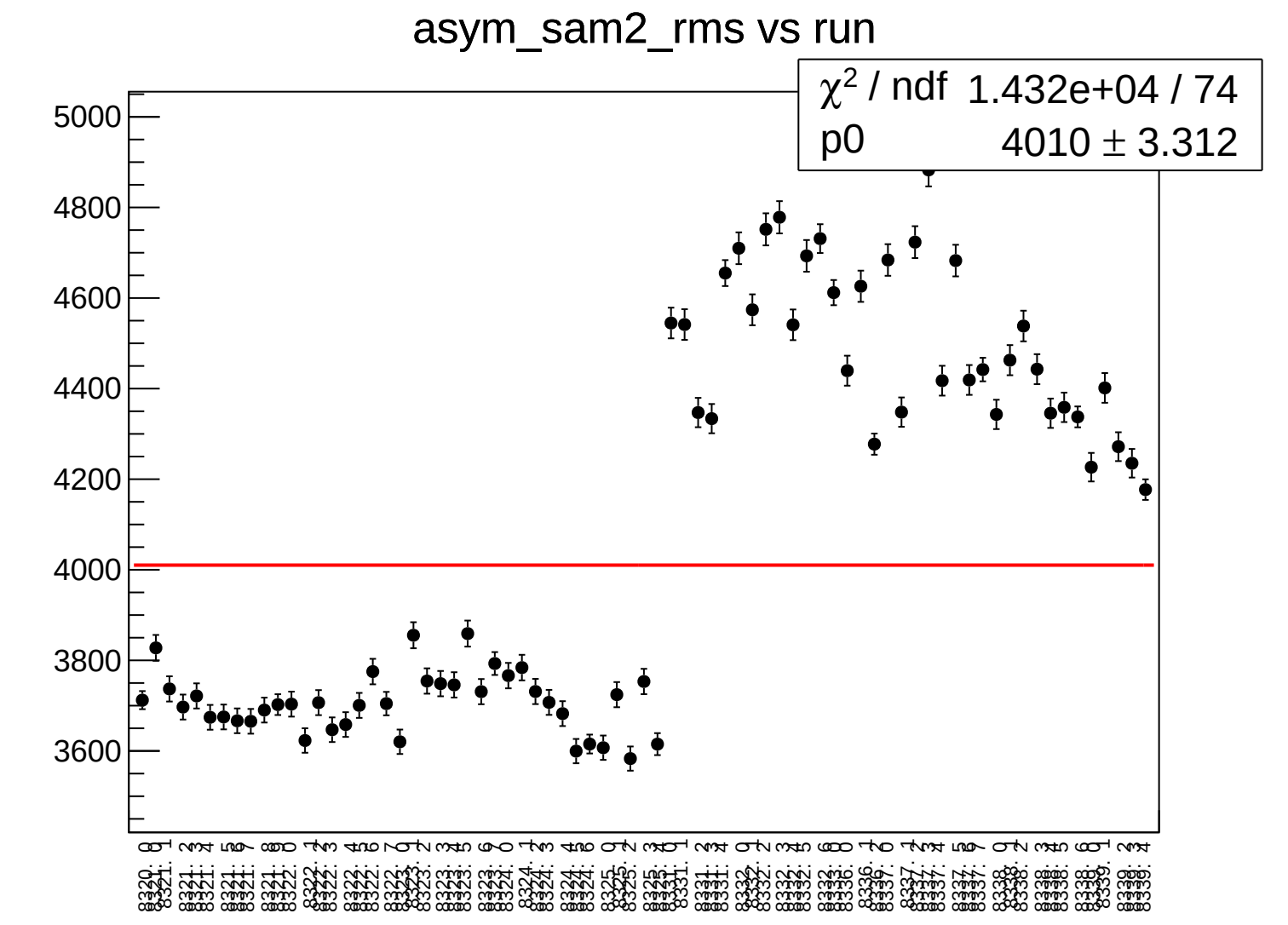

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 75.21 / 74
p0 −7235 ± 4722
100
50
0
−50
−100
−150
pull
Entries 75
Mean −37.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

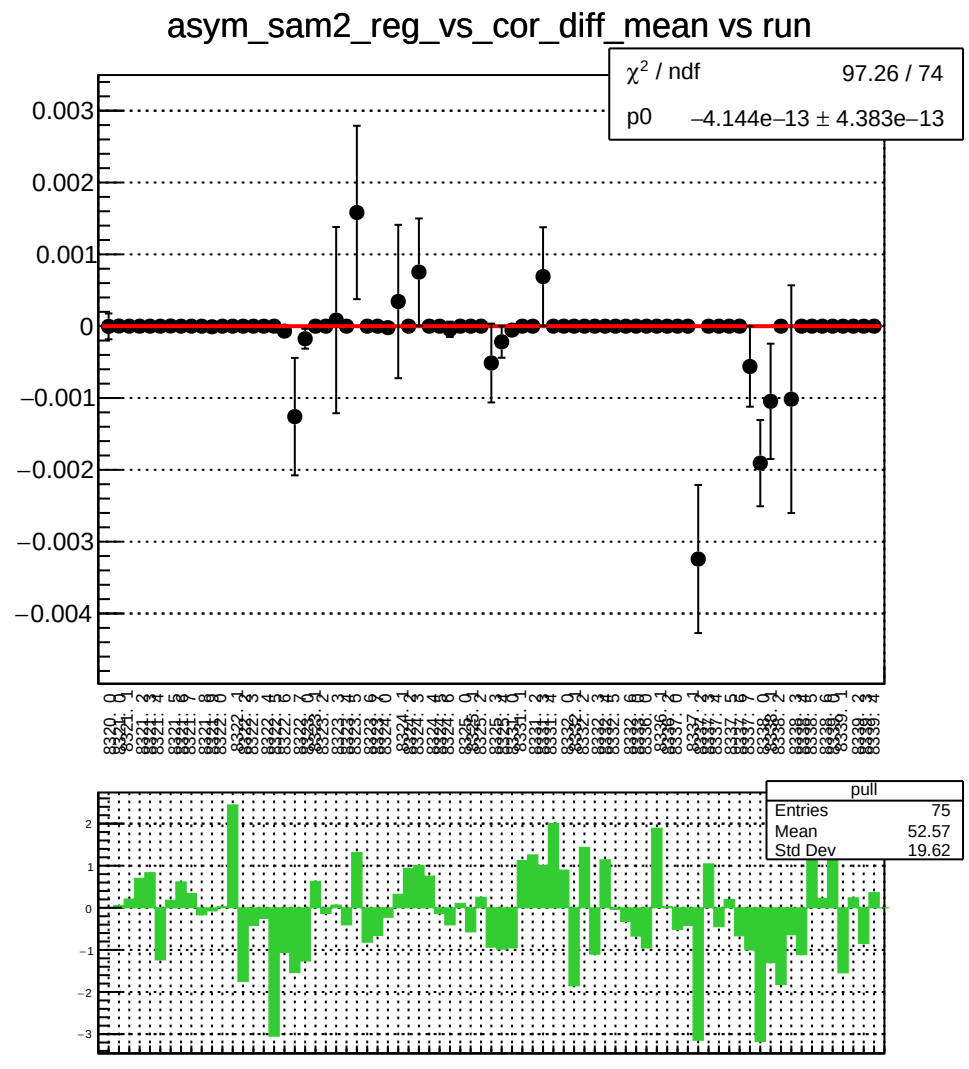

pull1D
Entries 75
Mean −0.01582
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

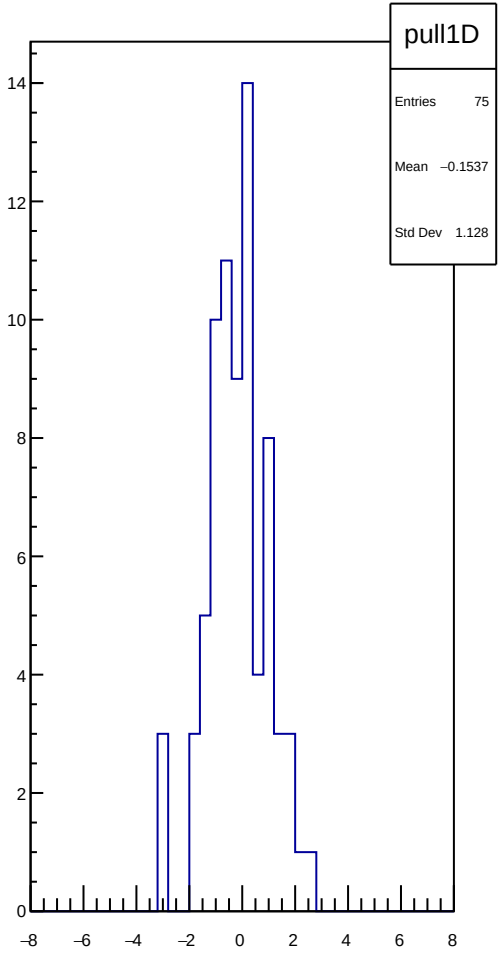

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 1.59e+04 / 74
p0 4041 ± 3.339
5000
4800
4600
4400
4200
4000
3800
3600

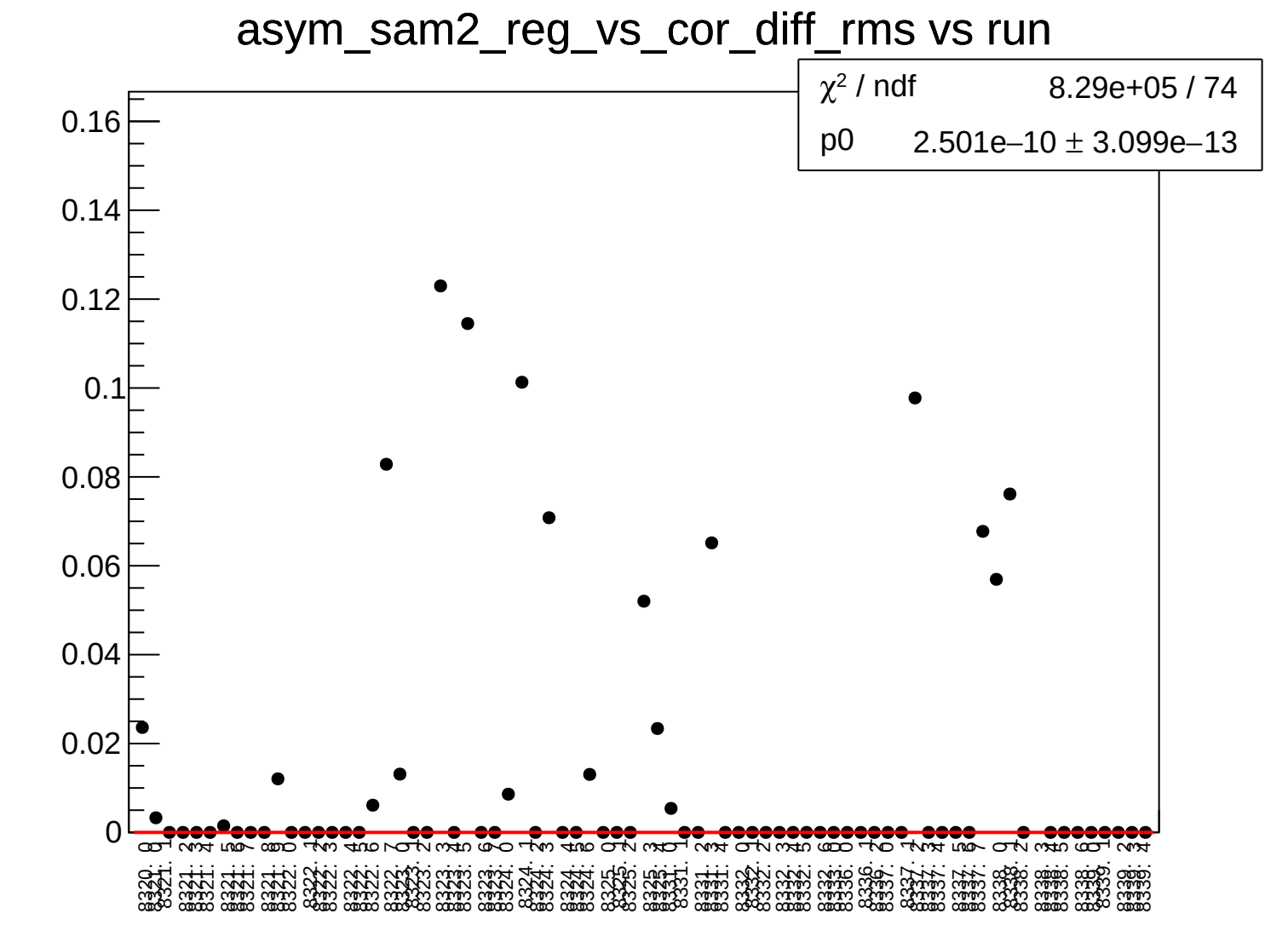

asym_sam2_mean vs run
×10^3
χ² / ndf 74.9 / 74
p0 7048 ± 4684
150
100
50
0
−50
−100
pull
Entries 75
Mean −80.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

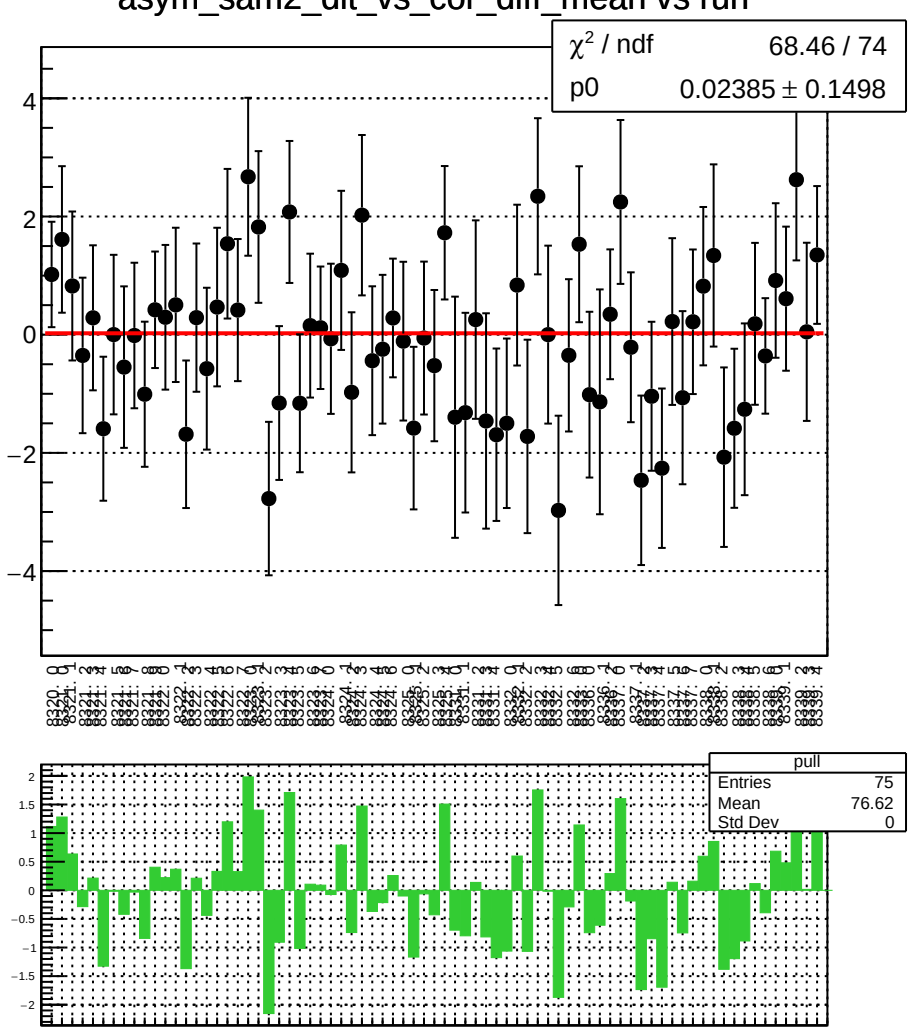

pull1D
Entries 75
Mean 0.01316
Std Dev 0.9993
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

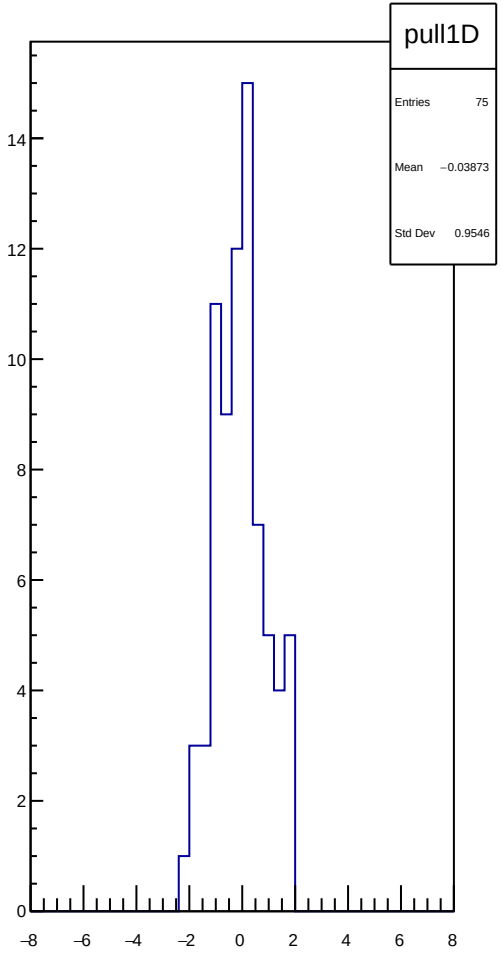

asym_sam2_rms vs run
χ² / ndf 1.432e+04 / 74
p0 4010 ± 3.312
5000
4800
4600
4400
4200
4000
3800
3600

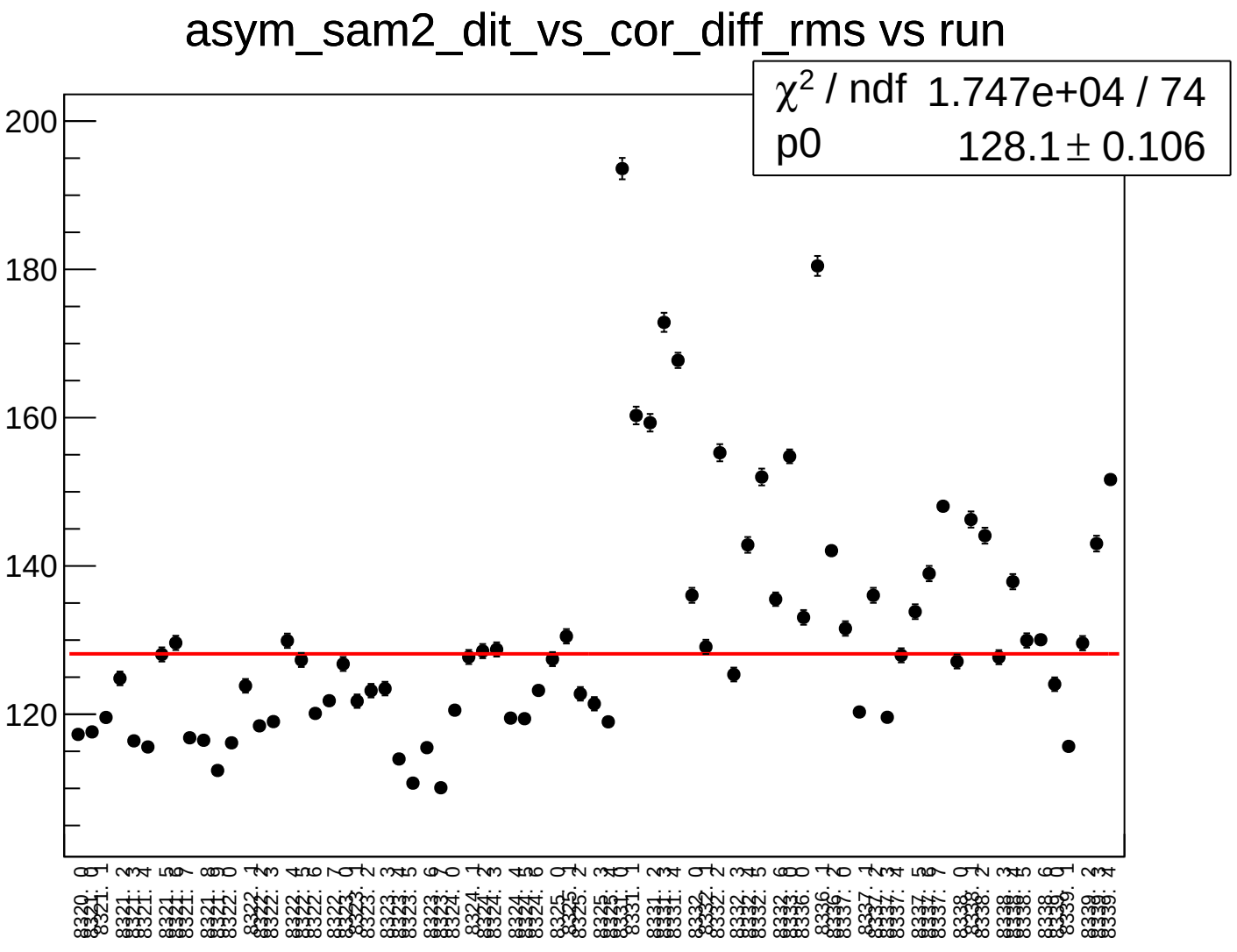

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 97.26 / 74
p0 −4.144e−13 ± 4.383e−13
pull
Entries 75
Mean 52.57
Std Dev 19.62

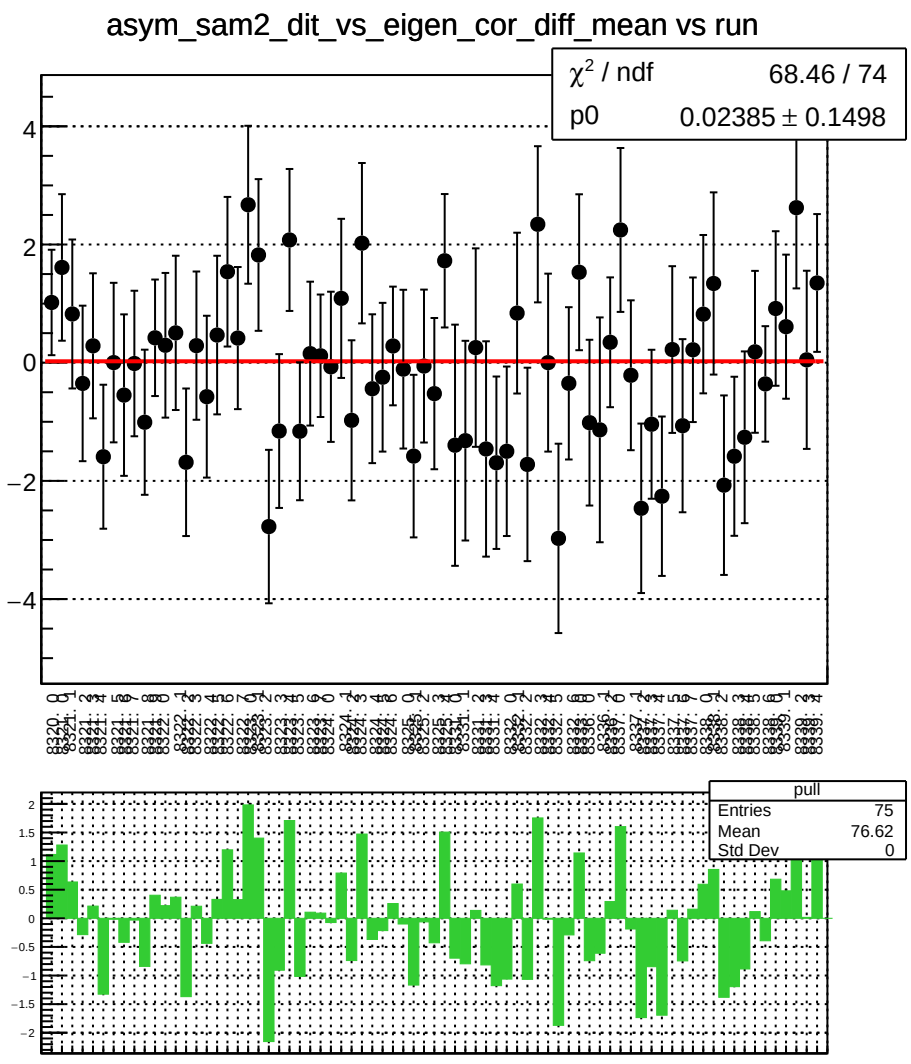

pull1D
Entries 75
Mean −0.1537
Std Dev 1.128

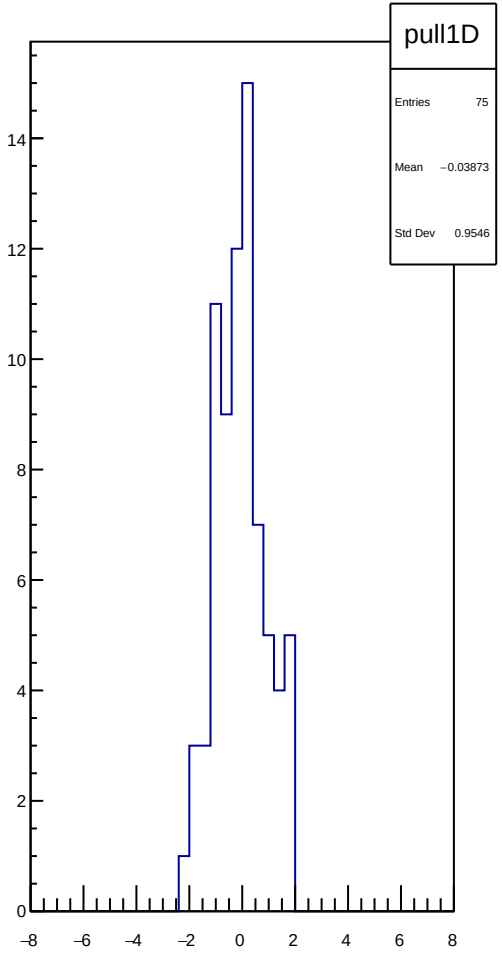

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 8.29e+05 / 74
p0 2.501e−10 ± 3.099e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

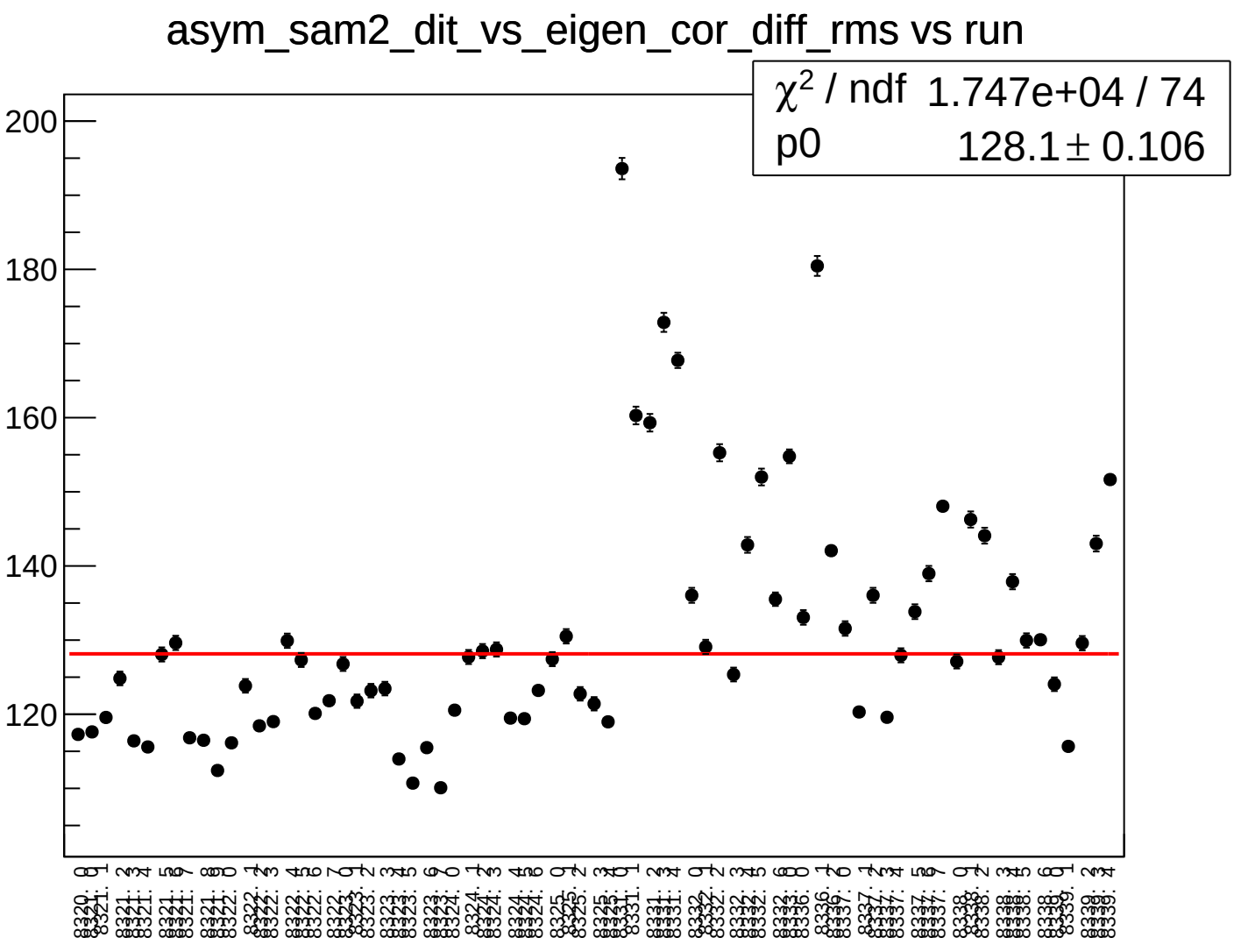

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 68.46 / 74
p0 0.02385 ± 0.1498
pull
Entries 75
Mean 76.62
Std Dev 0

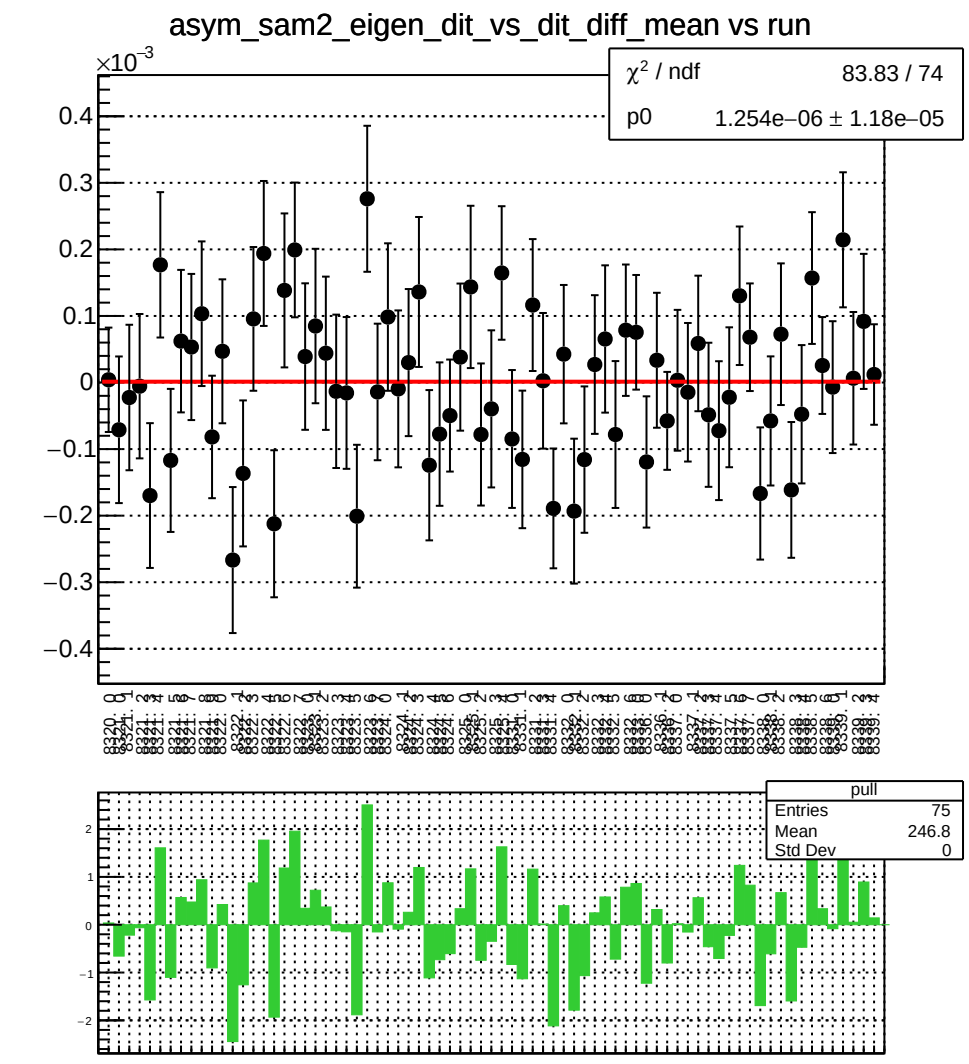

pull1D
Entries 75
Mean −0.03873
Std Dev 0.9546

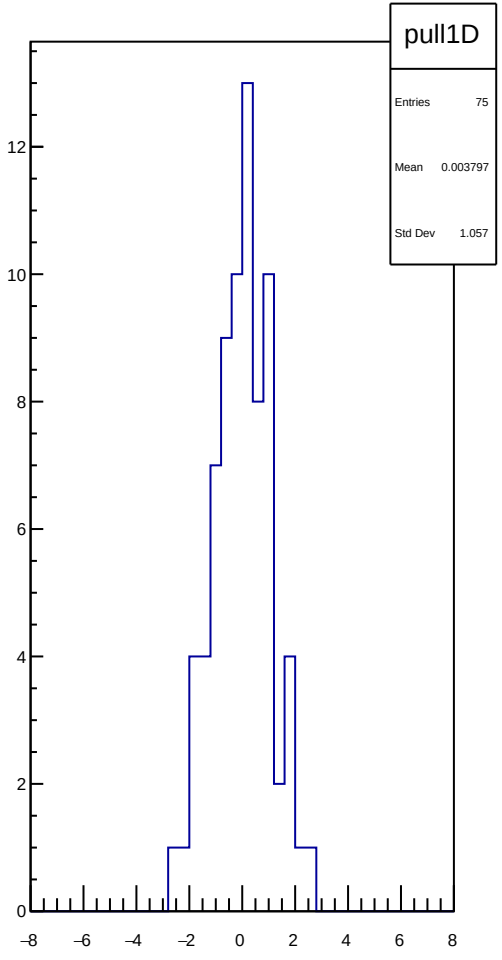

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.747e+04 / 74
p0 128.1 ± 0.106
200
180
160
140
120


asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.46 / 74
p0 0.02385 ± 0.1498
pull
Entries 75
Mean 76.62
Std Dev 0

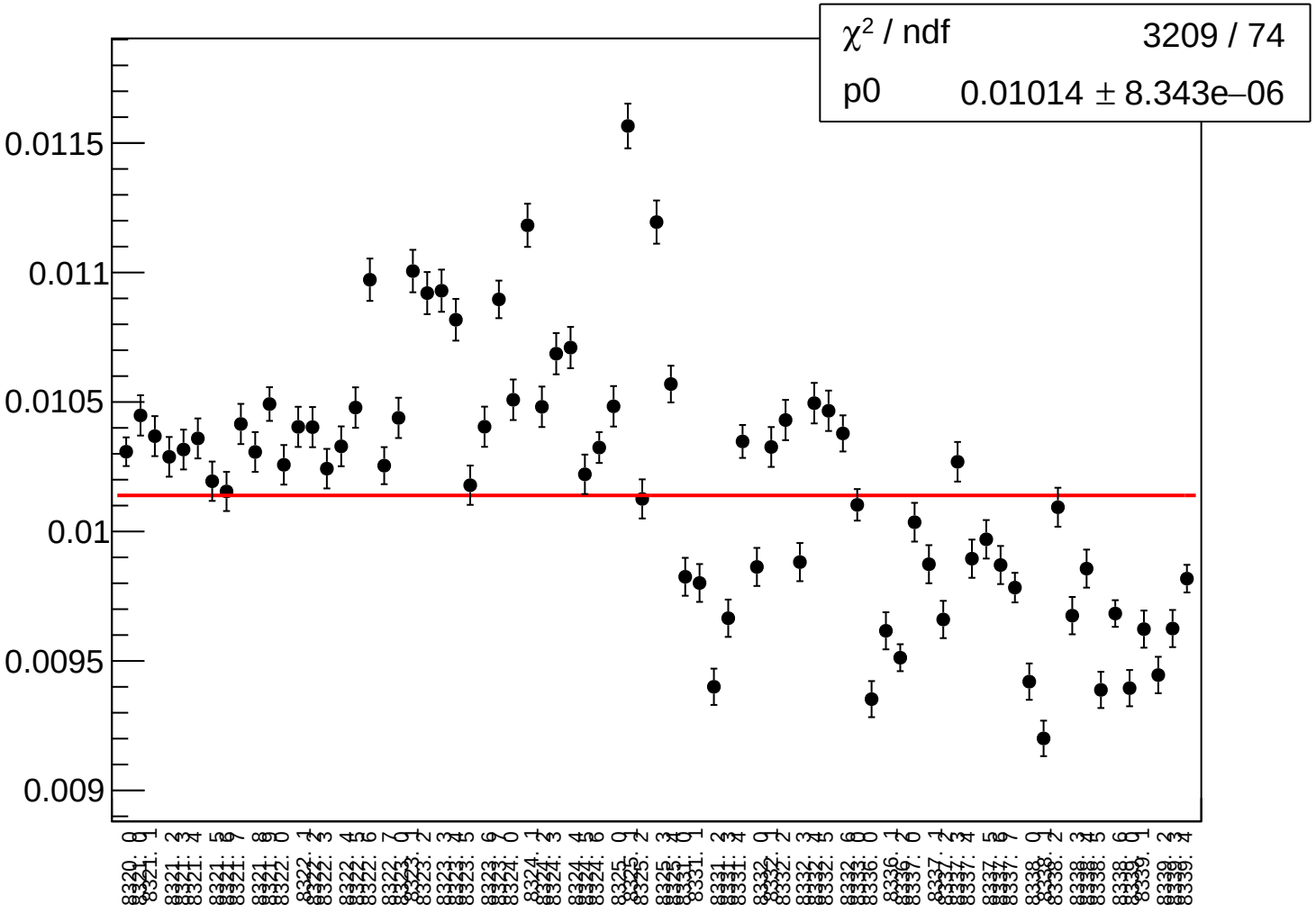

pull1D
Entries 75
Mean −0.03873
Std Dev 0.9546

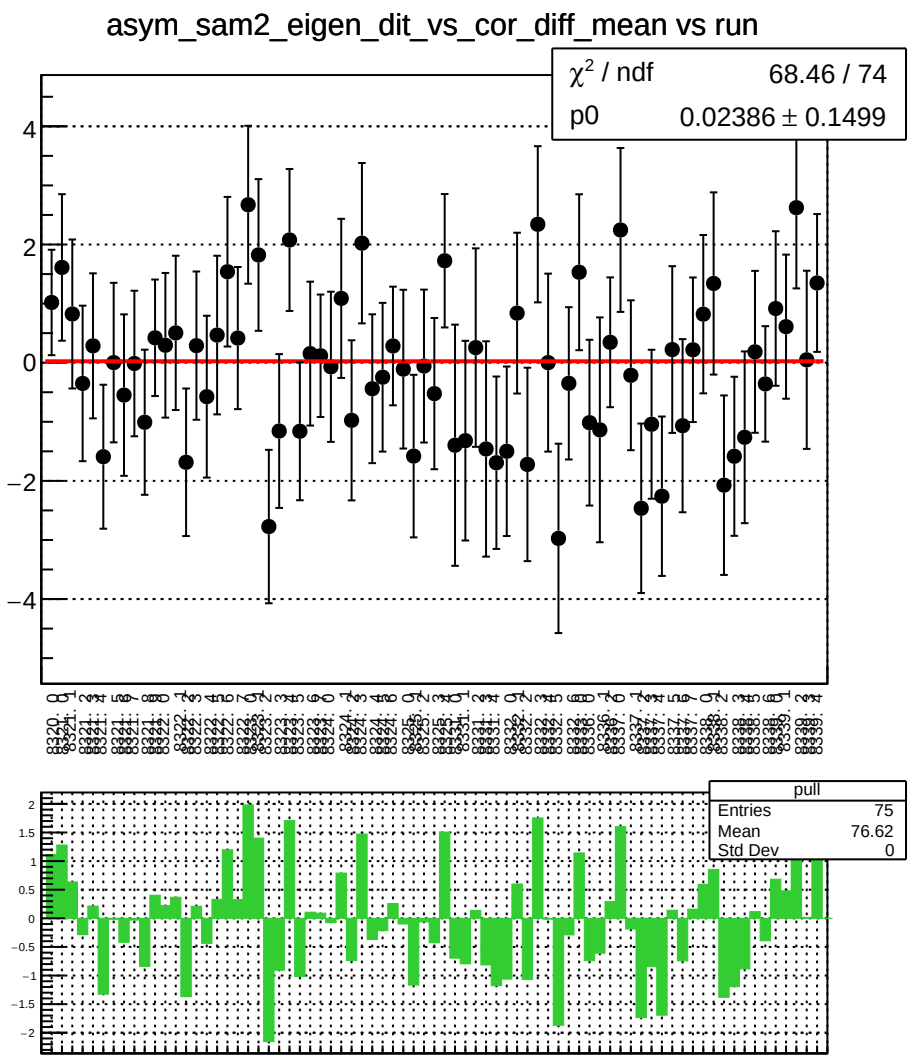

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.747e+04 / 74
p0 128.1 ± 0.106
200
180
160
140
120

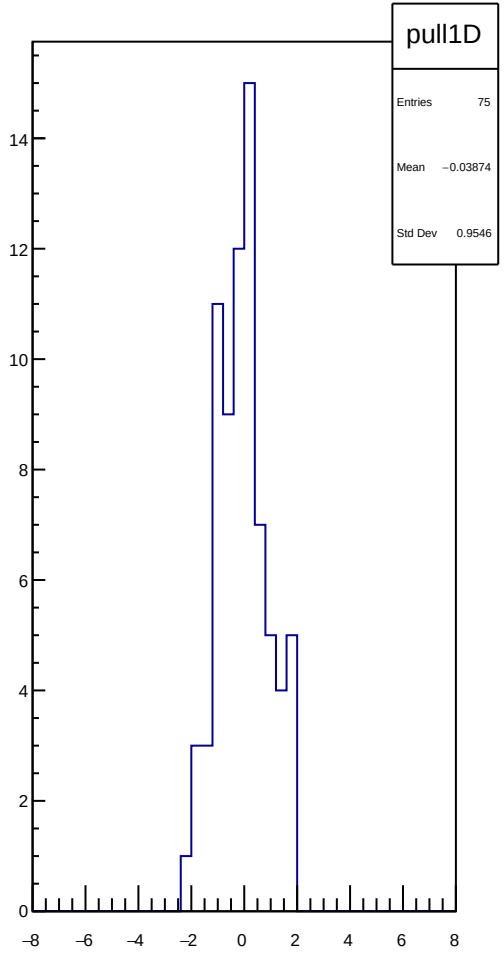

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.83 / 74
p0 1.254e−06 ± 1.18e−05
pull
Entries 75
Mean 246.8
Std Dev 0

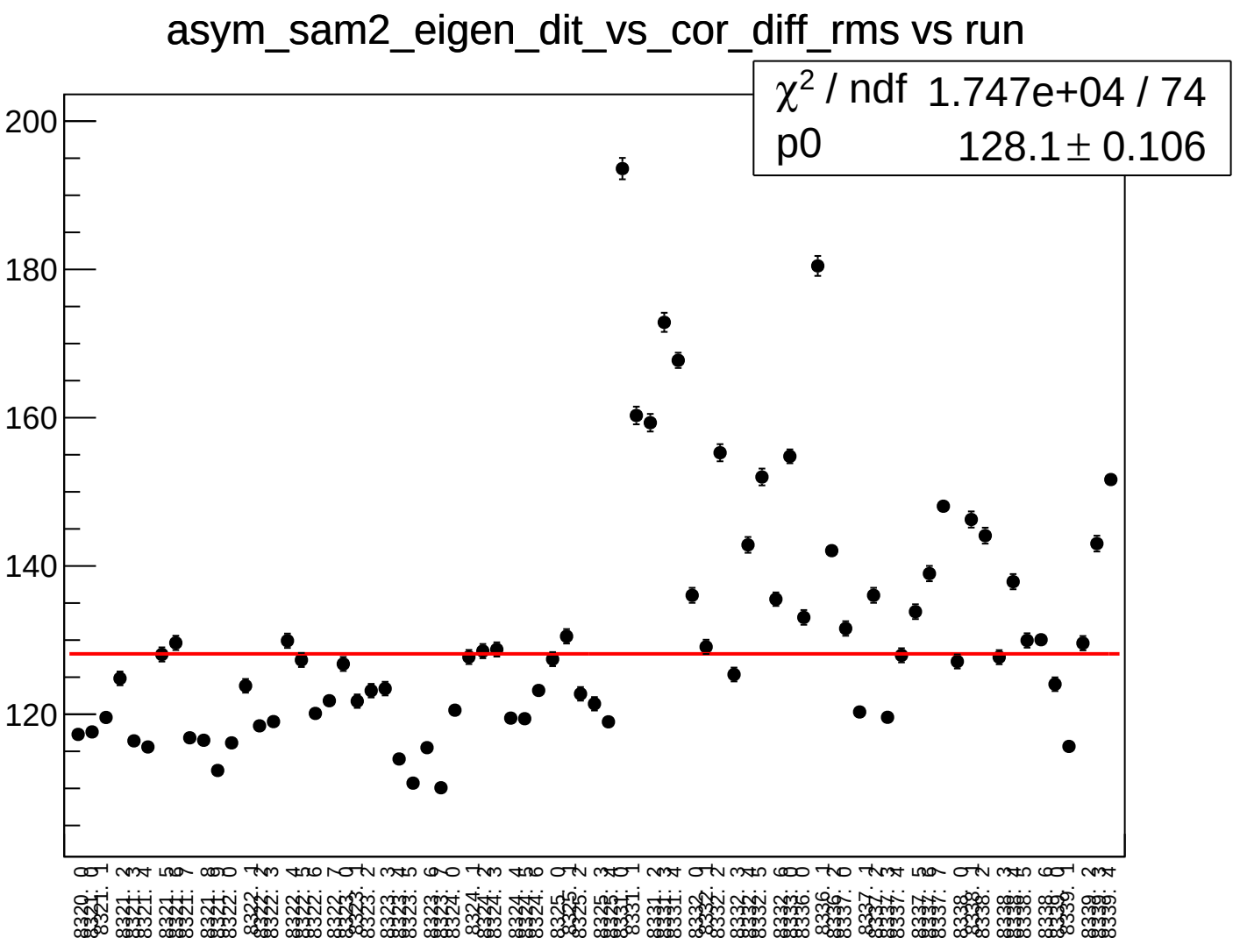

pull1D
Entries 75
Mean 0.003797
Std Dev 1.057

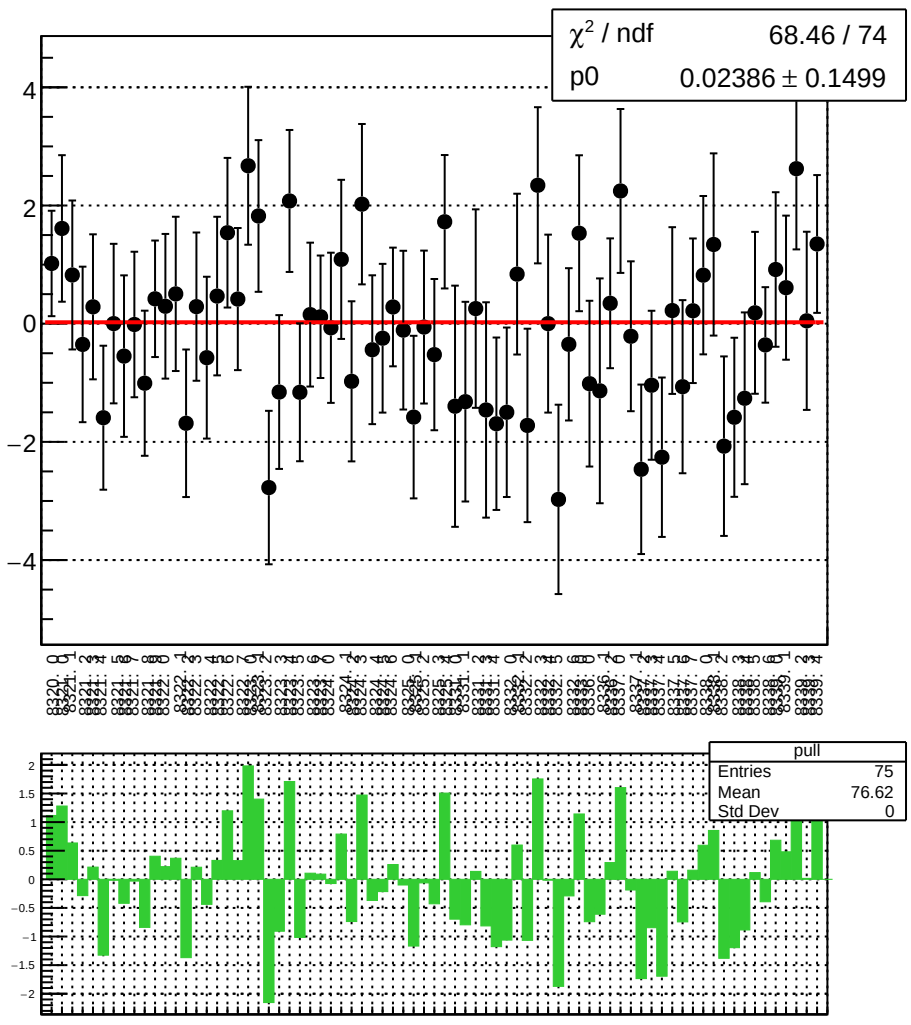
asym_sam2_eigen_dit_vs_dit_diff_rms vs run

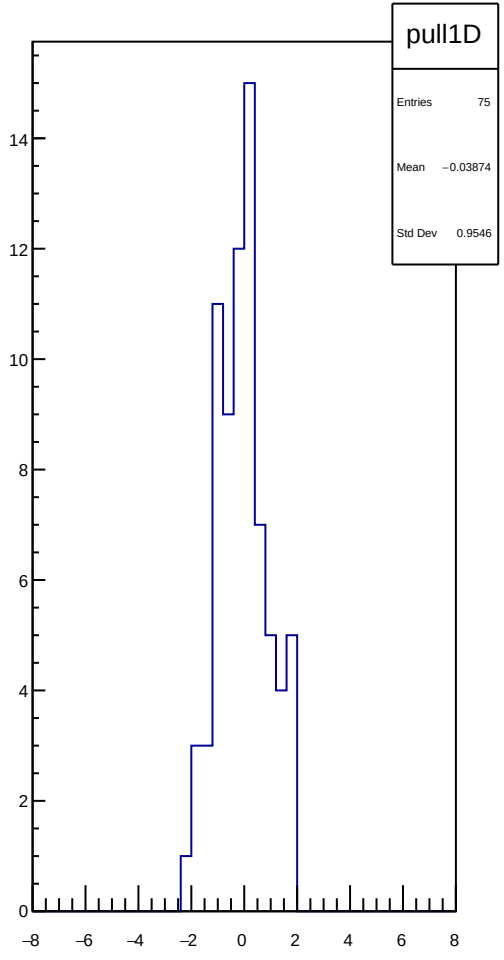


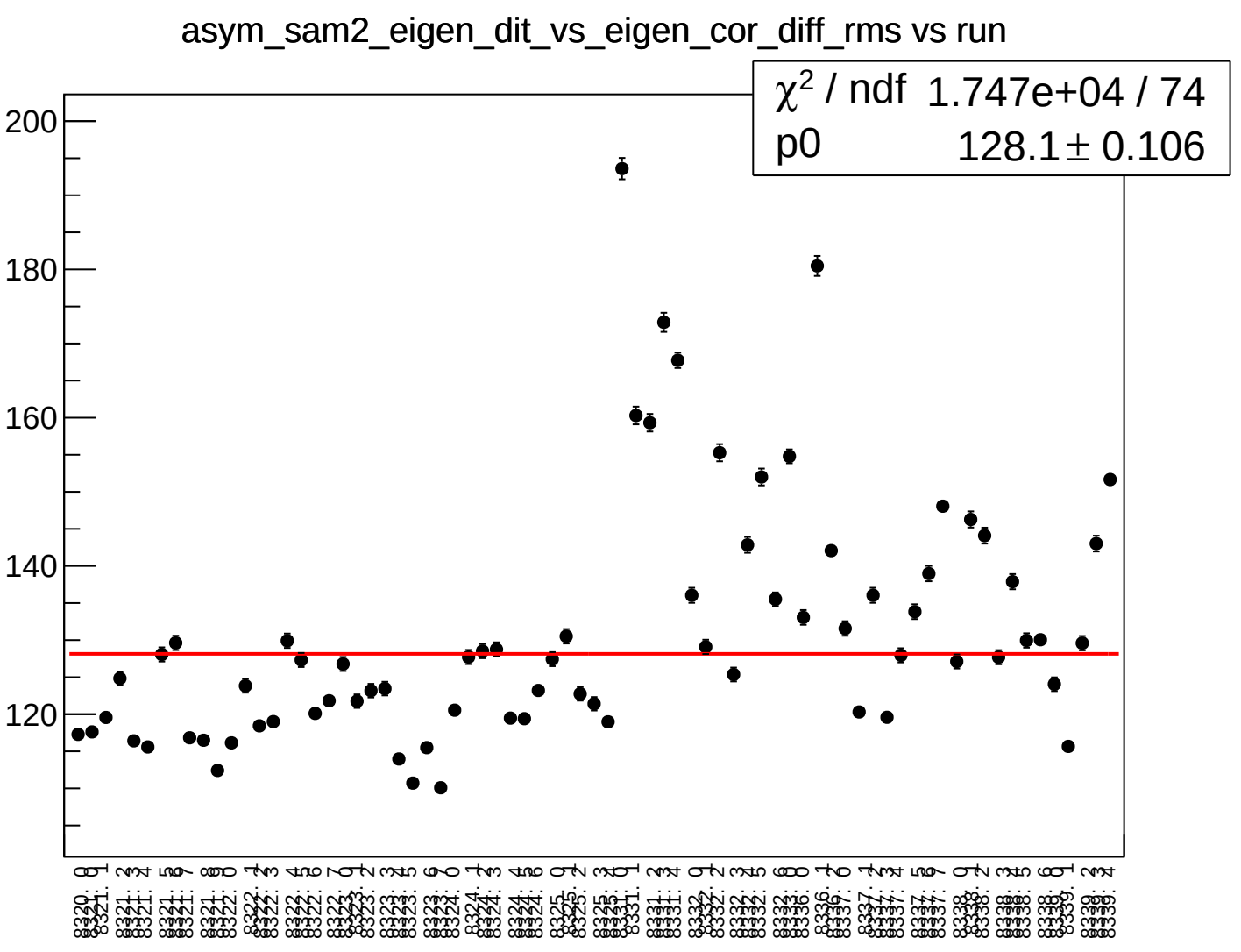

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.46 / 74
p0 0.02386 ± 0.1499
pull
Entries 75
Mean 76.62
Std Dev 0

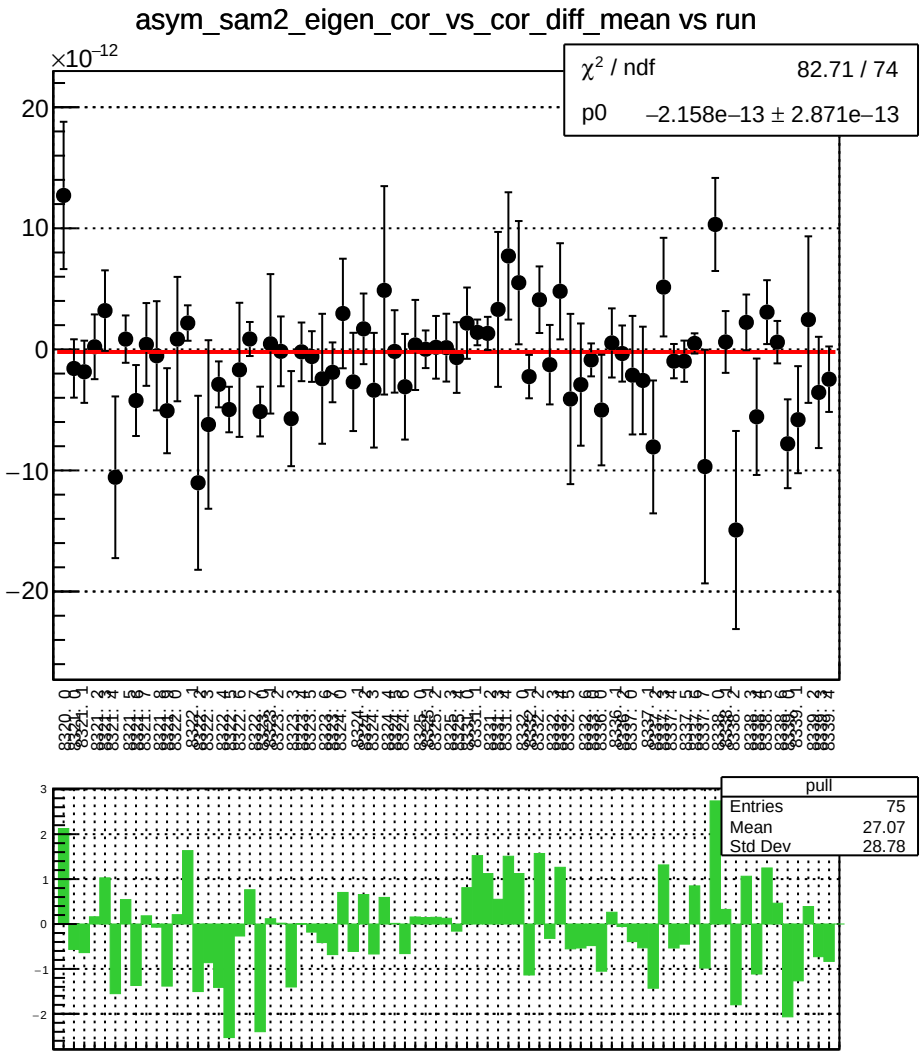

pull1D
Entries 75
Mean −0.03874
Std Dev 0.9546

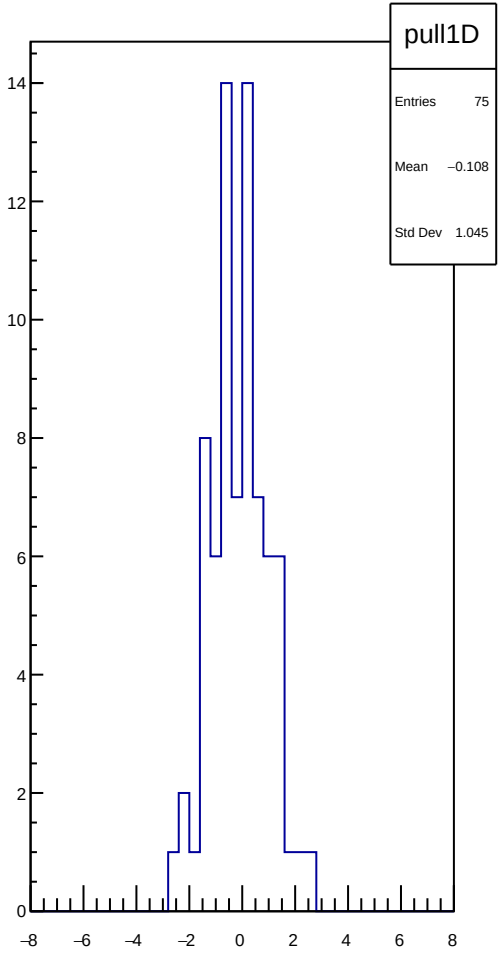

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.747e+04 / 74
p0 128.1 ± 0.106
200
180
160
140
120

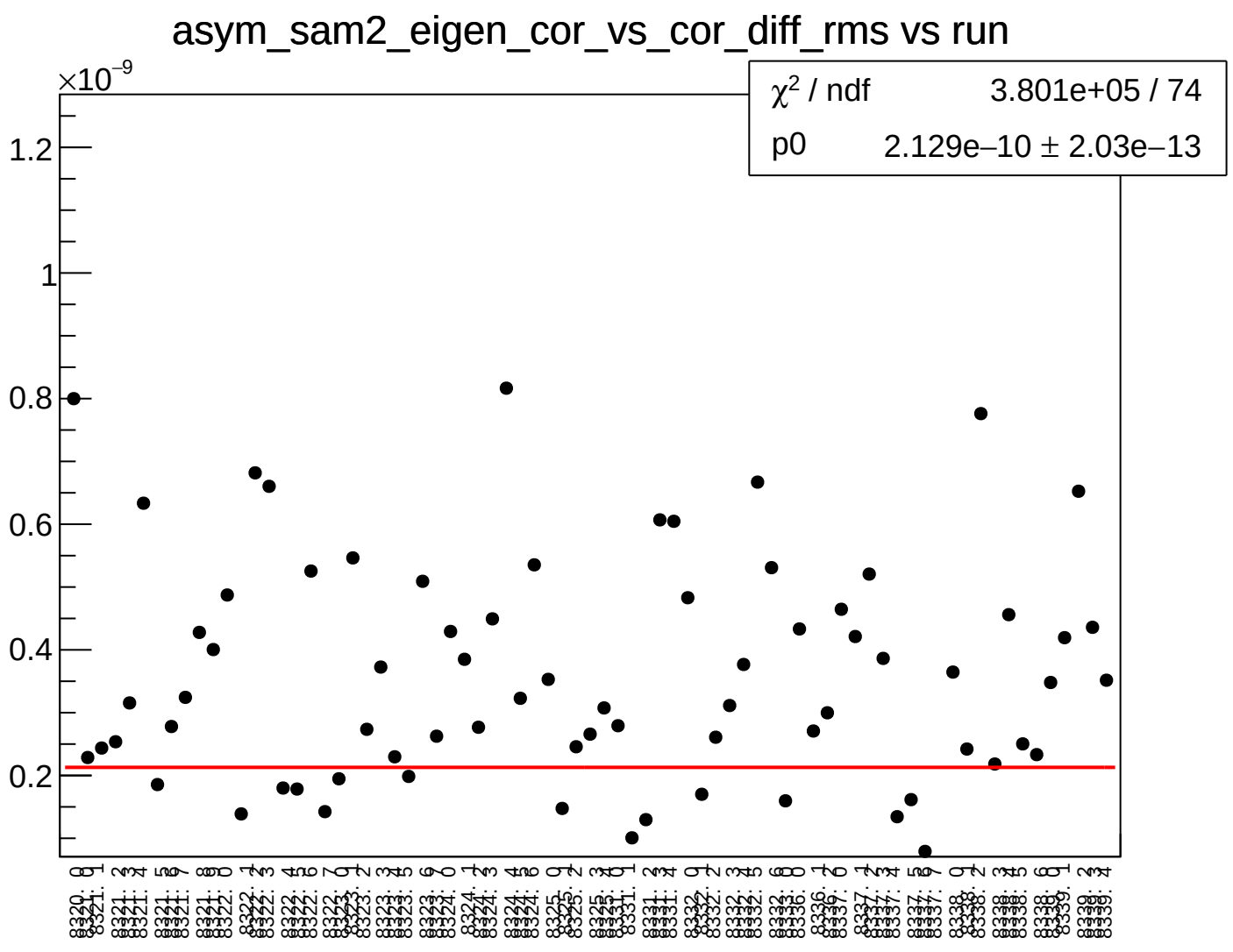

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.46 / 74
p0 0.02386 ± 0.1499
pull
Entries 75
Mean 76.62
Std Dev 0

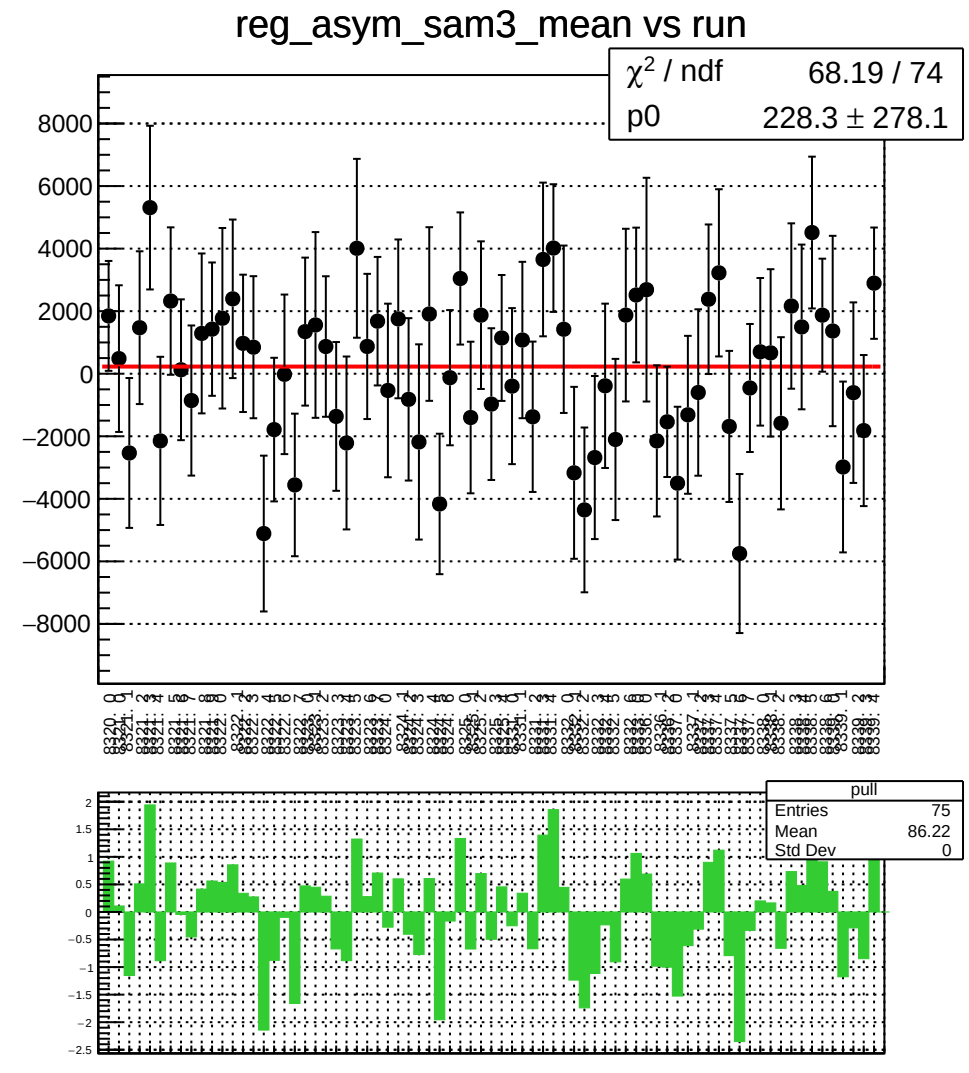

pull1D
Entries 75
Mean −0.03874
Std Dev 0.9546

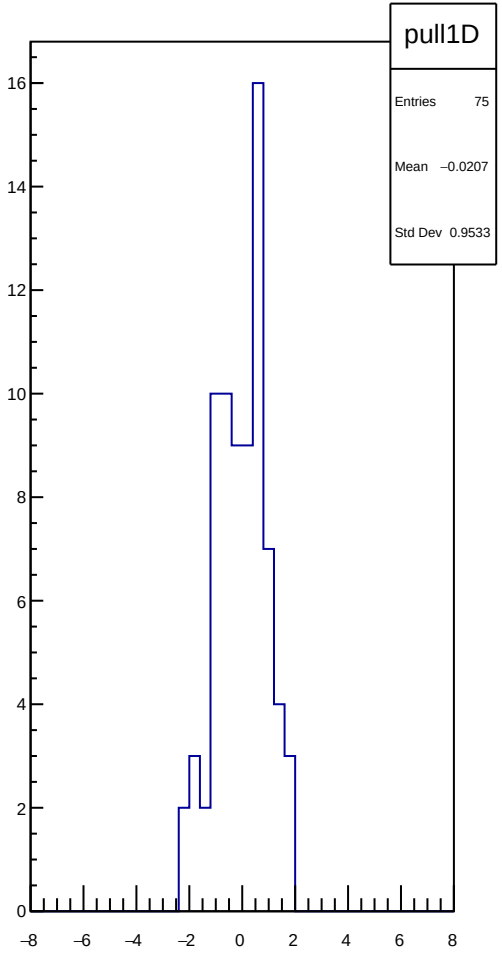

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.747e+04 / 74
p0 128.1 ± 0.106
200
180
160
140
120

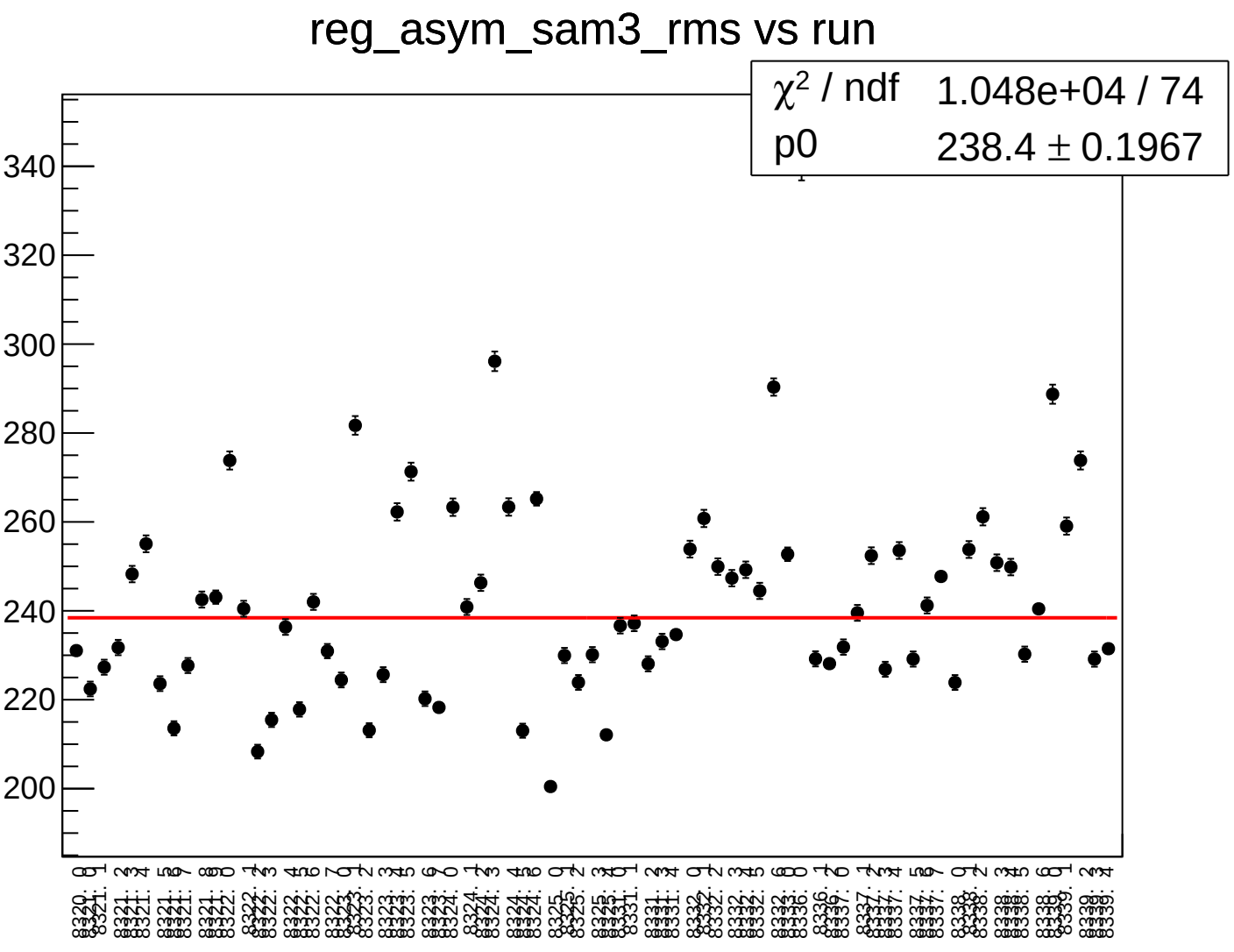

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.71 / 74
p0 −2.158e−13 ± 2.871e−13
pull
Entries 75
Mean 27.07
Std Dev 28.78

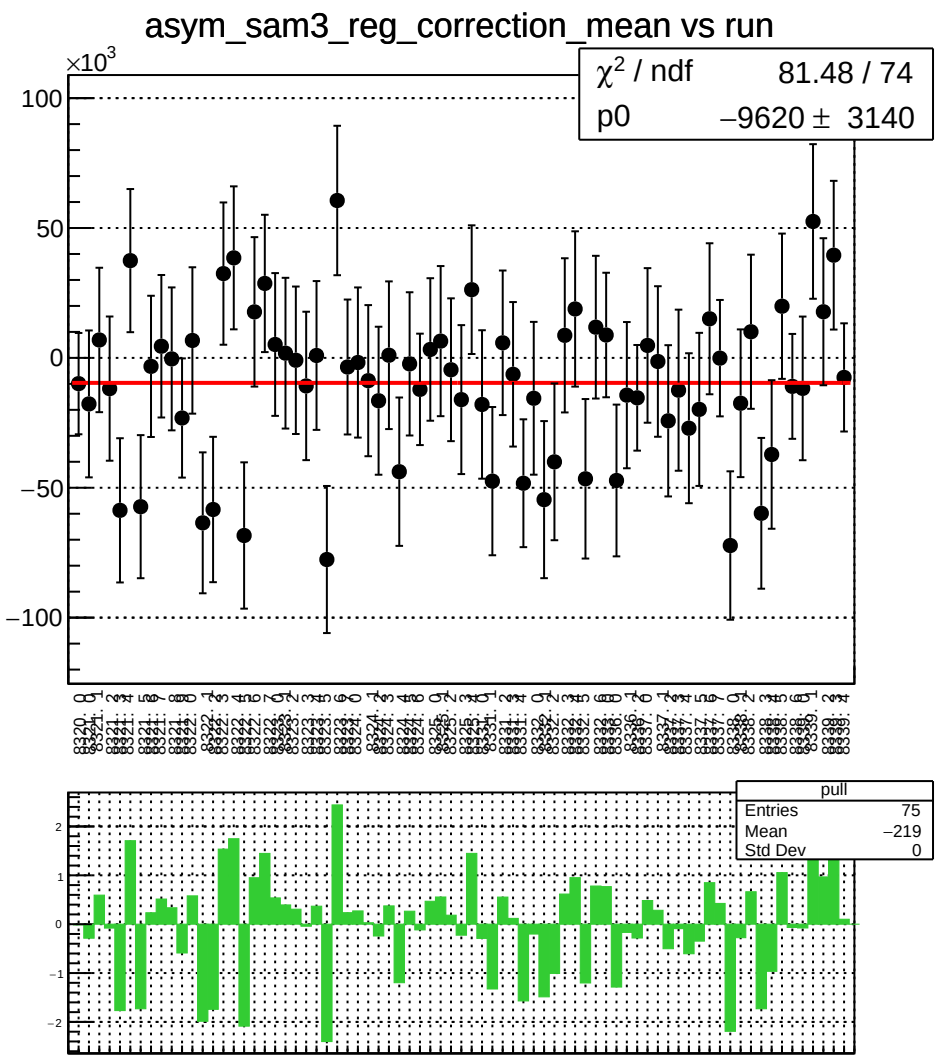

pull1D
Entries 75
Mean −0.108
Std Dev 1.045

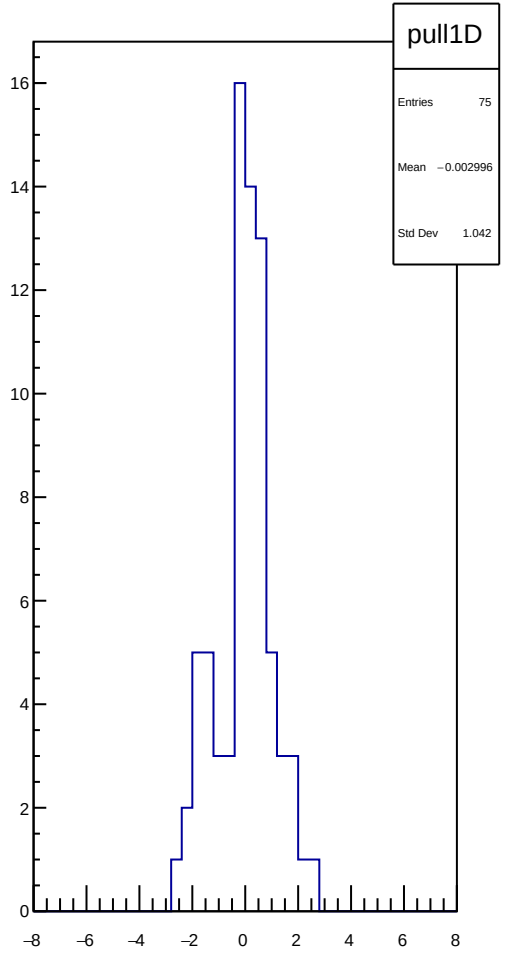

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.801e+05 / 74
p0 2.129e−10 ± 2.03e−13
1.2
1
0.8
0.6
0.4
0.2

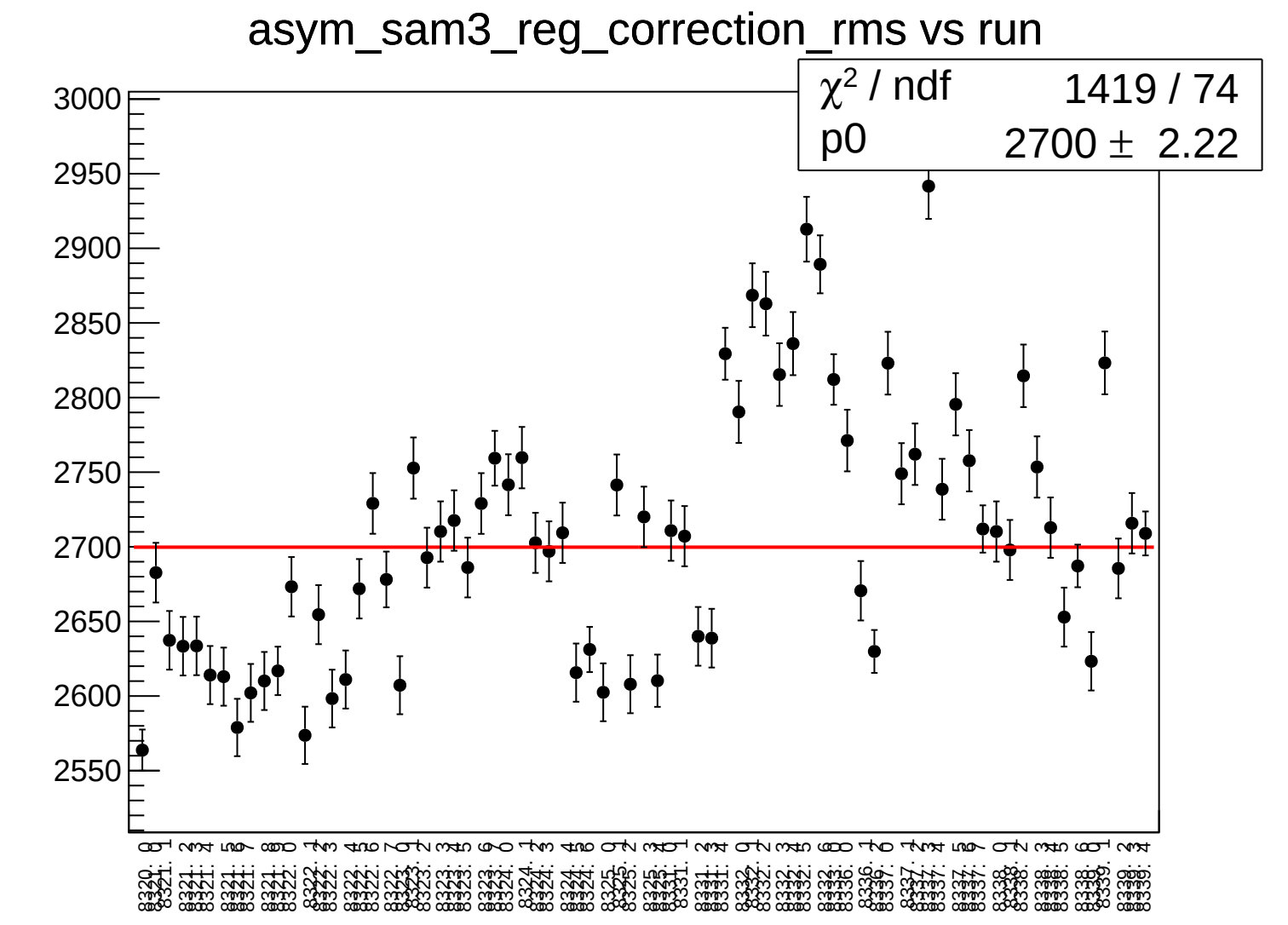

reg_asym_sam3_mean vs run
χ² / ndf 68.19 / 74
p0 228.3 ± 278.1
pull
Entries 75
Mean 86.22
Std Dev 0

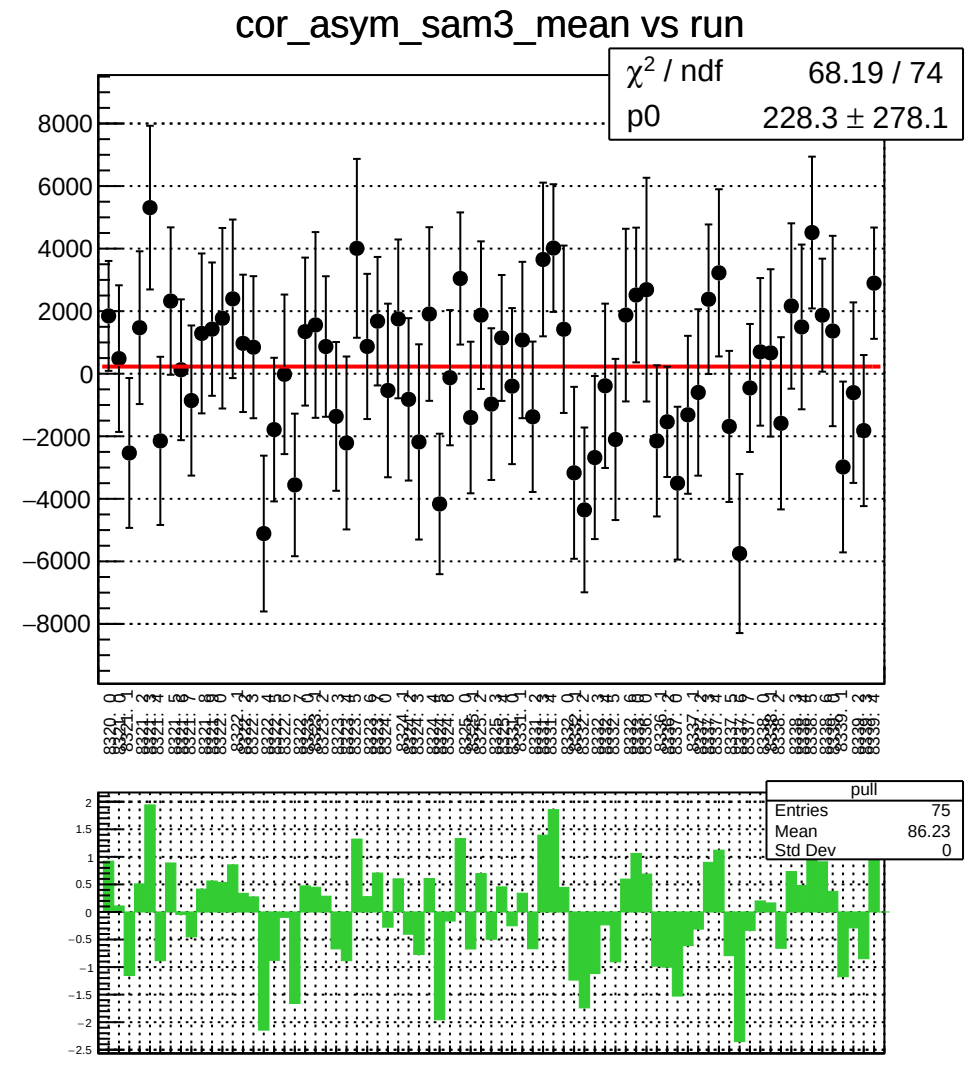

pull1D
Entries 75
Mean −0.0207
Std Dev 0.9533

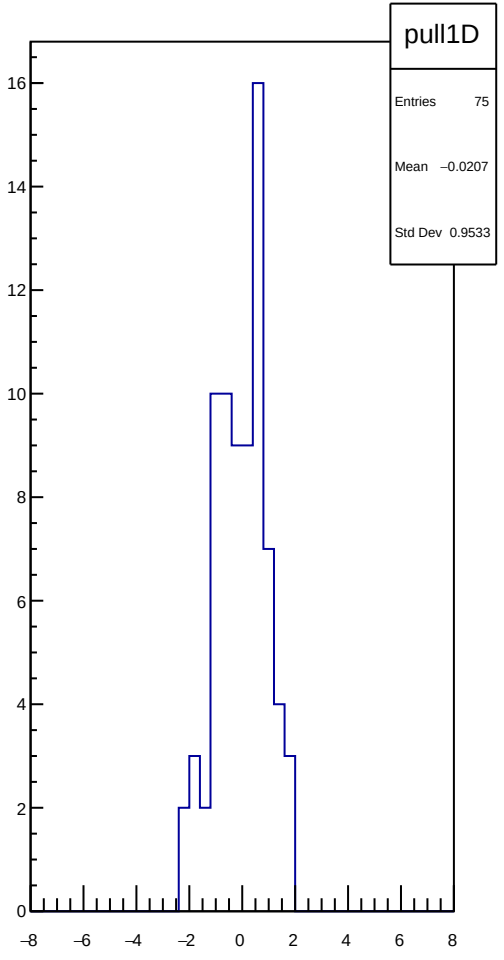

reg_asym_sam3_rms vs run
χ² / ndf 1.048e+04 / 74
p0 238.4 ± 0.1967
340
320
300
280
260
240
220
200

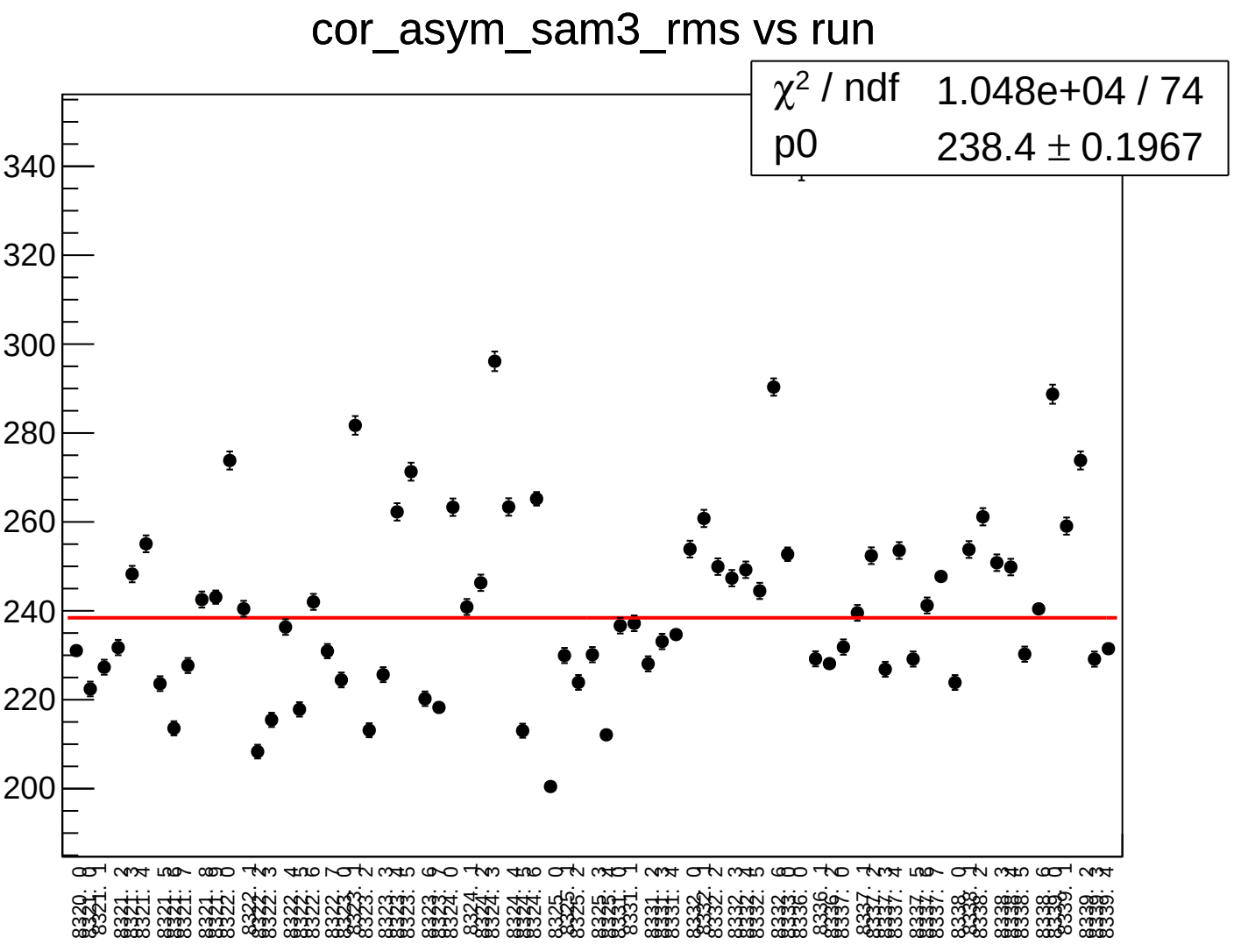

asym_sam3_reg_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −9620 ± 3140
100
50
0
−50
−100
pull
Entries 75
Mean −219
Std Dev 0
2
1
0
−1
−2

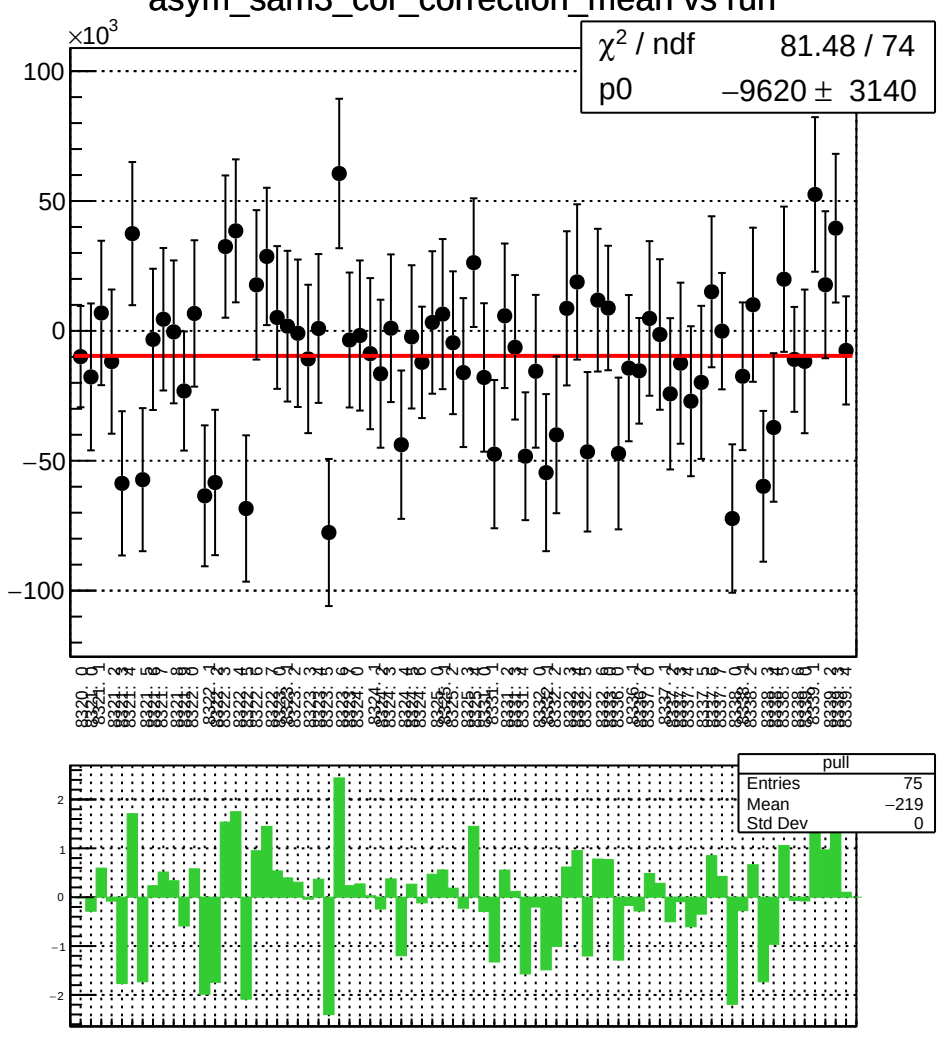

pull1D
Entries 75
Mean −0.002996
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

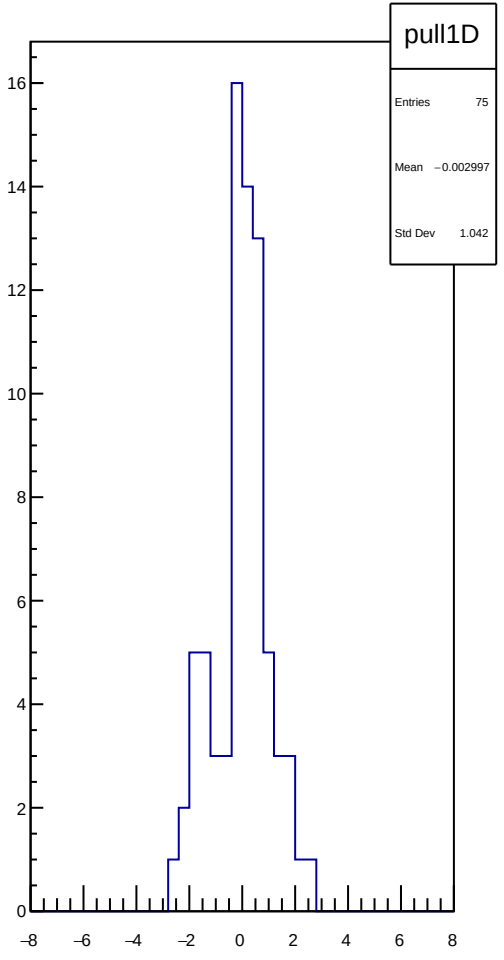

asym_sam3_reg_correction_rms vs run
χ² / ndf 1419 / 74
p0 2700 ± 2.22
3000
2950
2900
2850
2800
2750
2700
2650
2600
2550

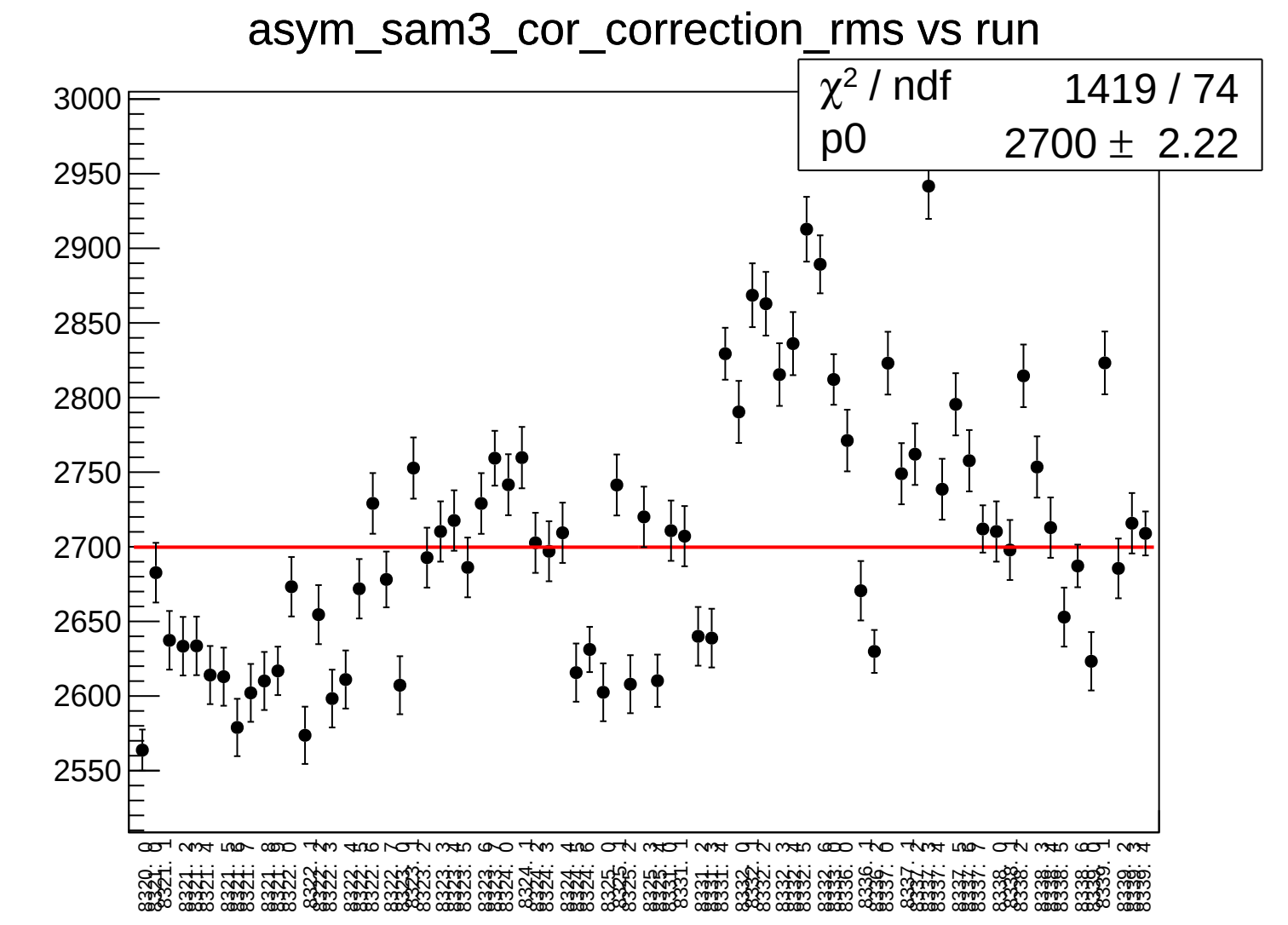

cor_asym_sam3_mean vs run
χ² / ndf 68.19 / 74
p0 228.3 ± 278.1
pull
Entries 75
Mean 86.23
Std Dev 0

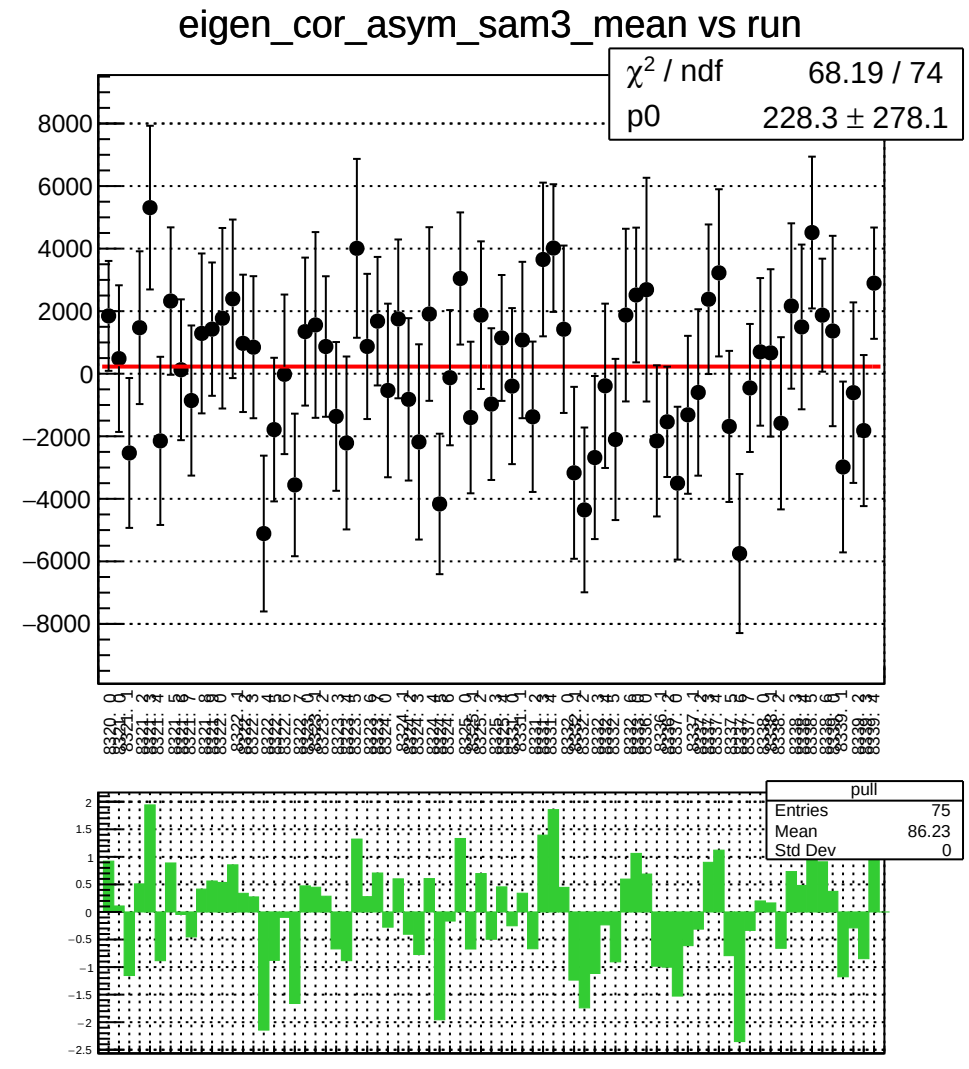

pull1D
Entries 75
Mean −0.0207
Std Dev 0.9533

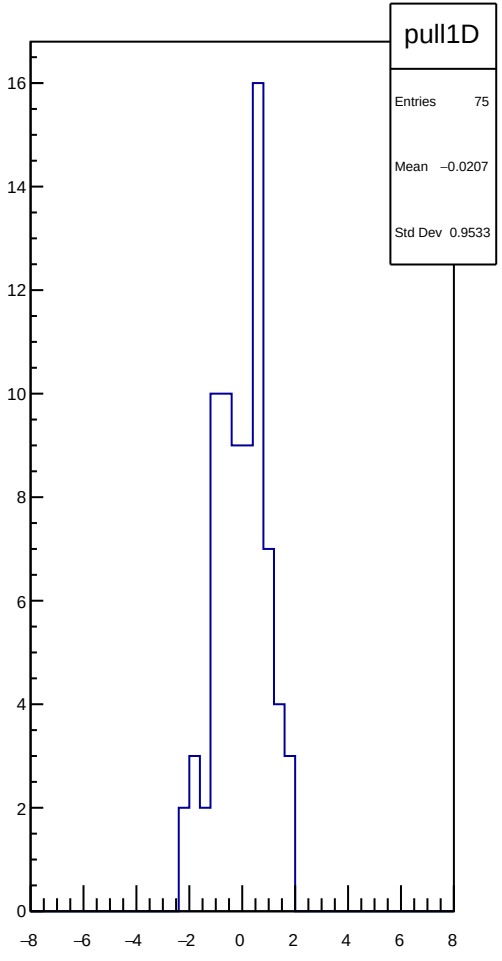

cor_asym_sam3_rms vs run
χ² / ndf 1.048e+04 / 74
p0 238.4 ± 0.1967
340
320
300
280
260
240
220
200

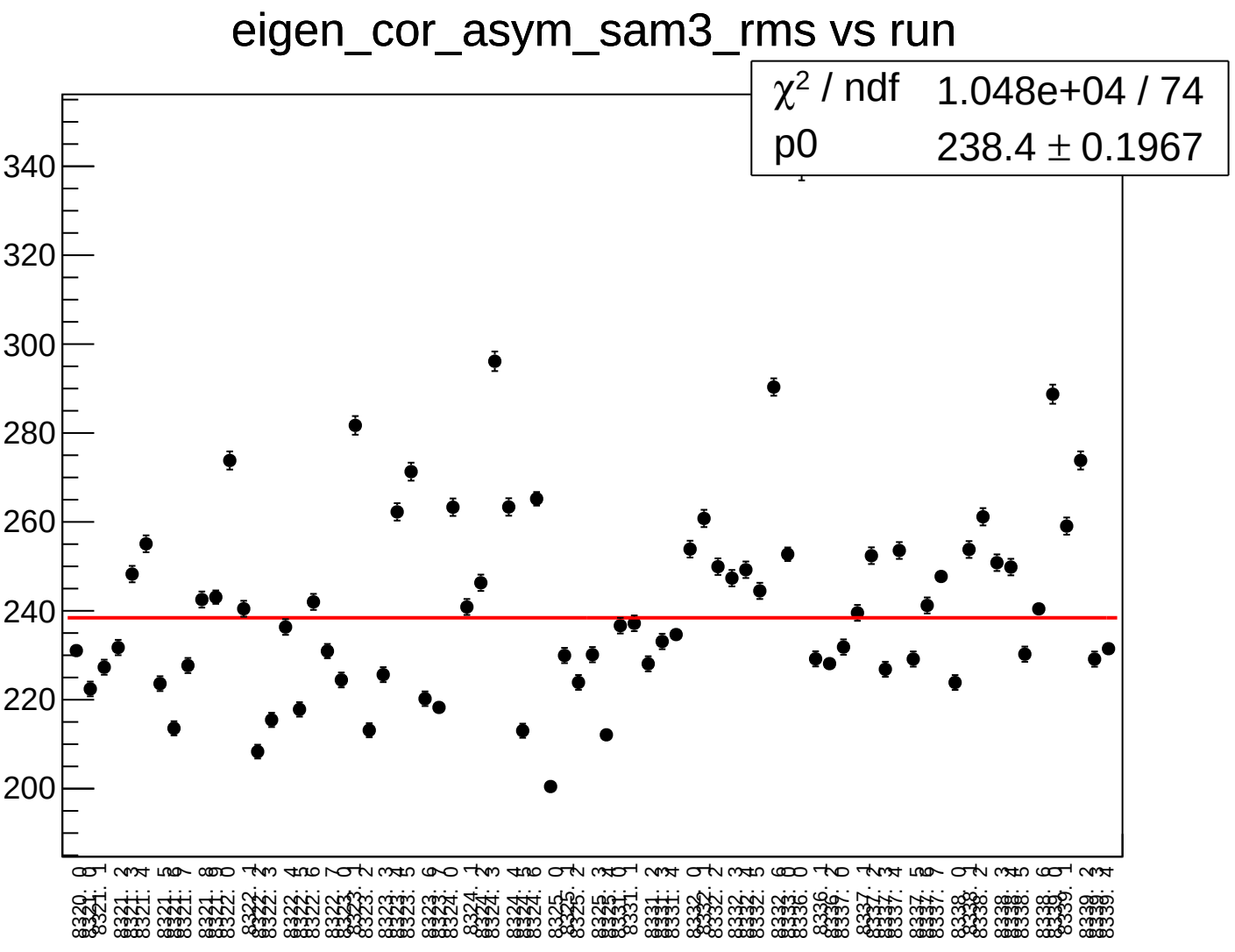

asym_sam3_cor_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −9620 ± 3140
100
50
0
−50
−100
pull
Entries 75
Mean −219
Std Dev 0
2
1
0
−1
−2

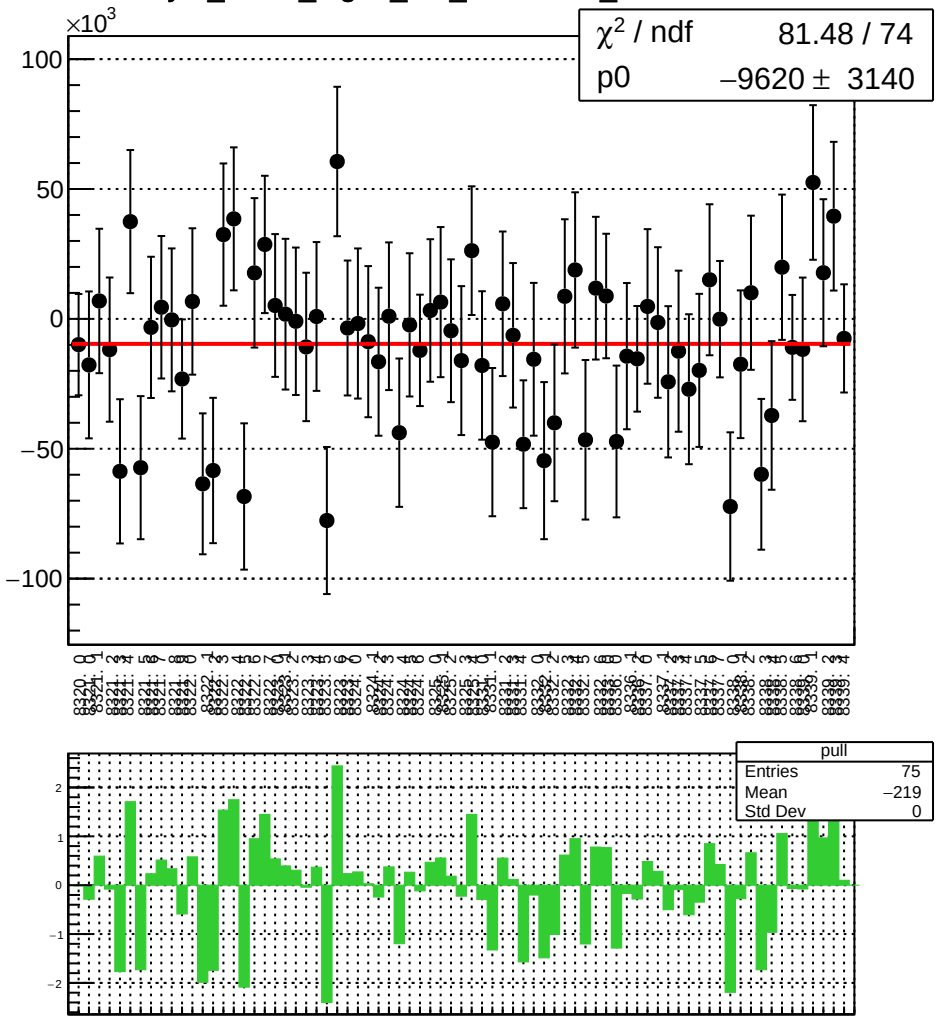

pull1D
Entries 75
Mean −0.002997
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

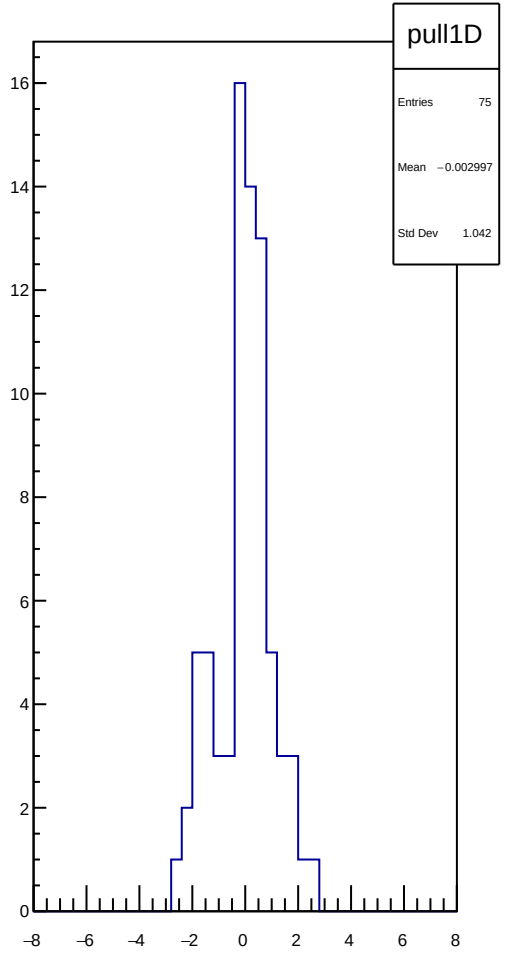

asym_sam3_cor_correction_rms vs run
χ² / ndf 1419 / 74
p0 2700 ± 2.22
3000
2950
2900
2850
2800
2750
2700
2650
2600
2550

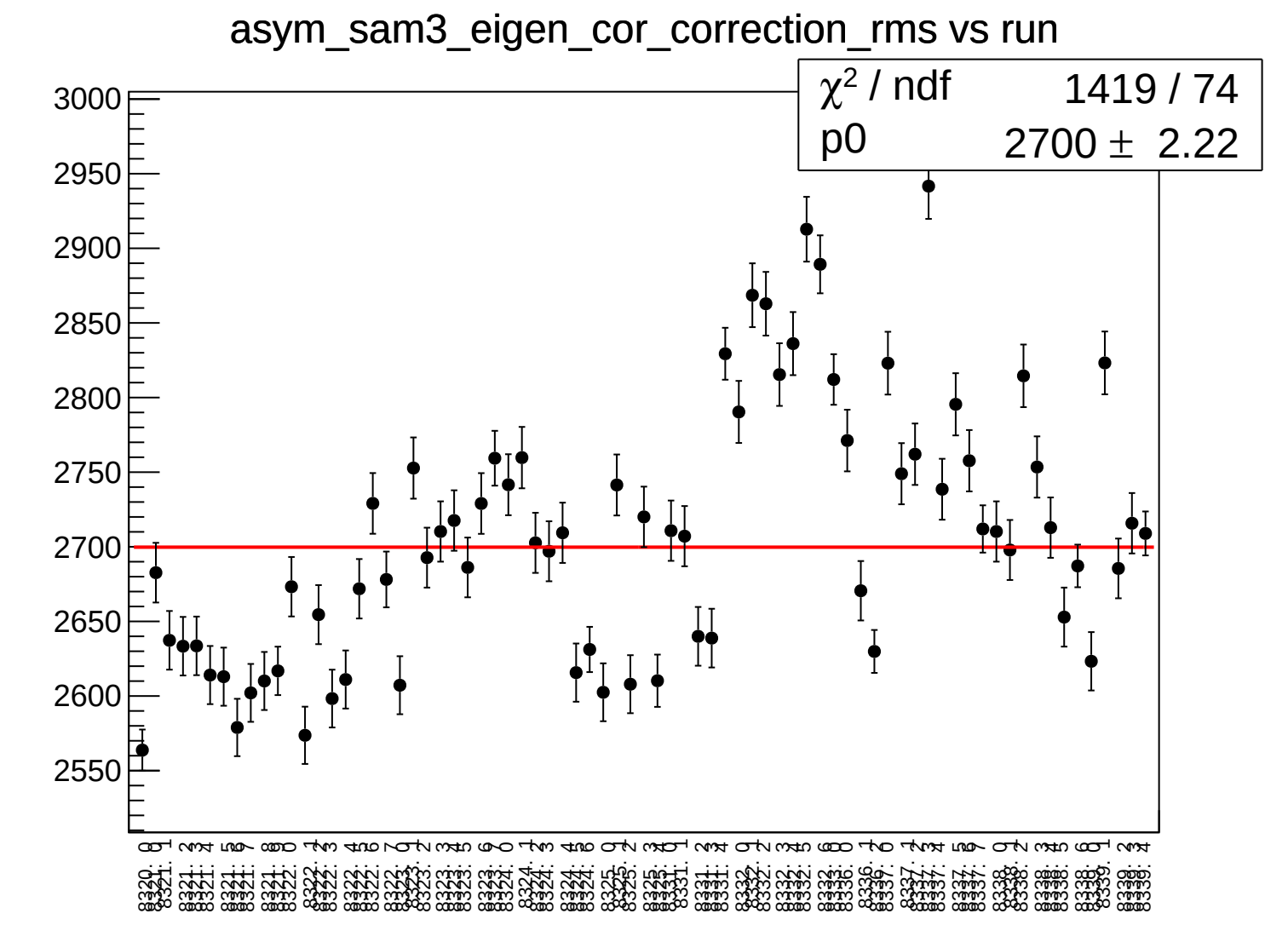

eigen_cor_asym_sam3_mean vs run
χ² / ndf 68.19 / 74
p0 228.3 ± 278.1
pull
Entries 75
Mean 86.23
Std Dev 0

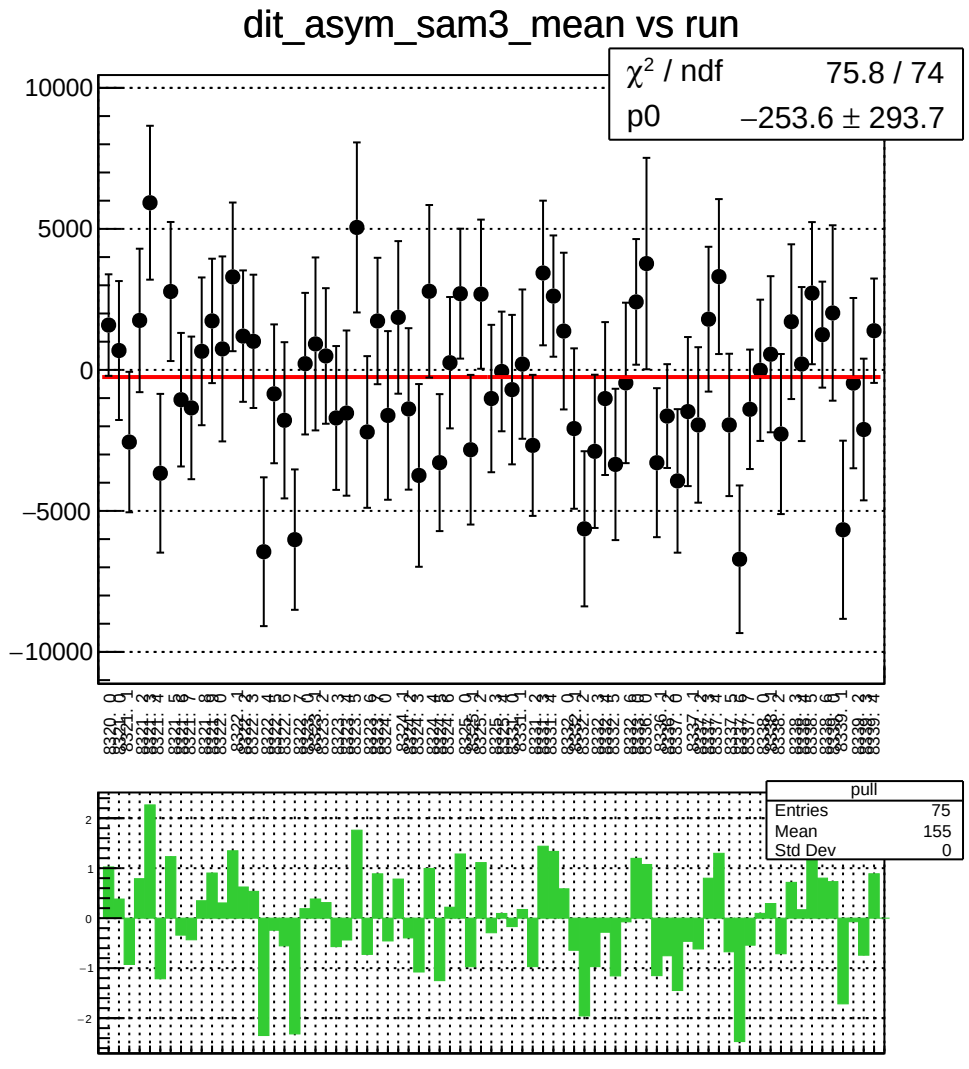

pull1D
Entries 75
Mean −0.0207
Std Dev 0.9533

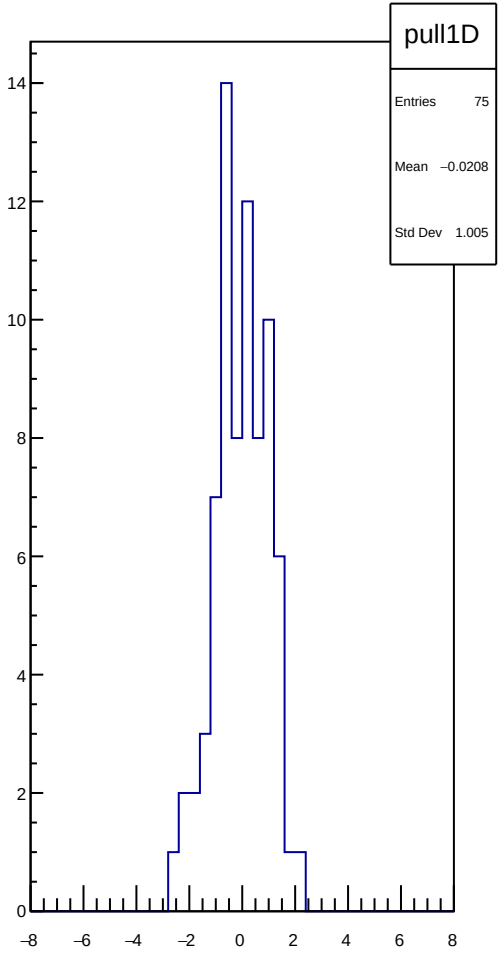

eigen_cor_asym_sam3_rms vs run
χ² / ndf 1.048e+04 / 74
p0 238.4 ± 0.1967
340
320
300
280
260
240
220
200

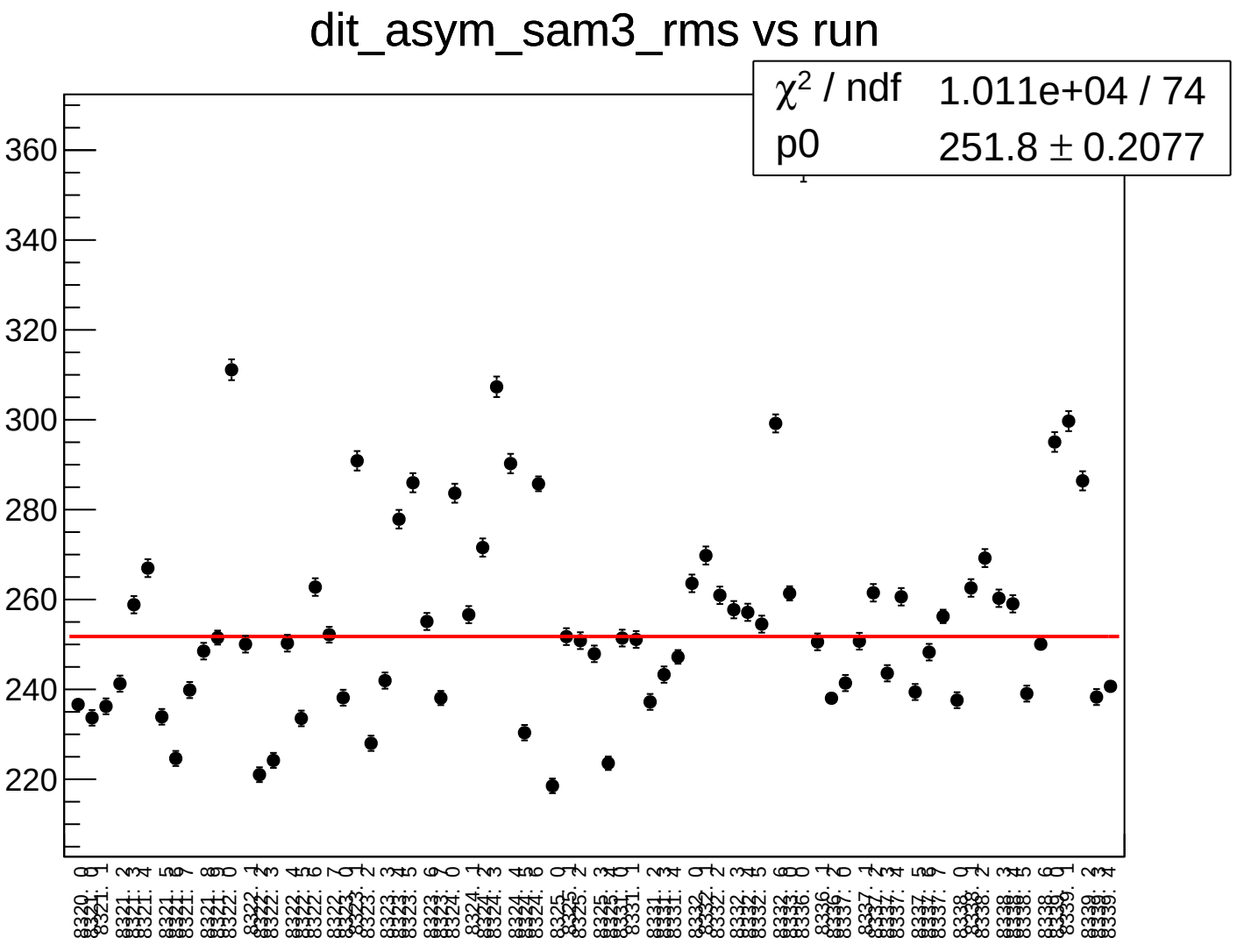

asym_sam3_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 81.48 / 74
p0 −9620 ± 3140
100
50
0
−50
−100
pull
Entries 75
Mean −219
Std Dev 0
2
1
0
−1
−2

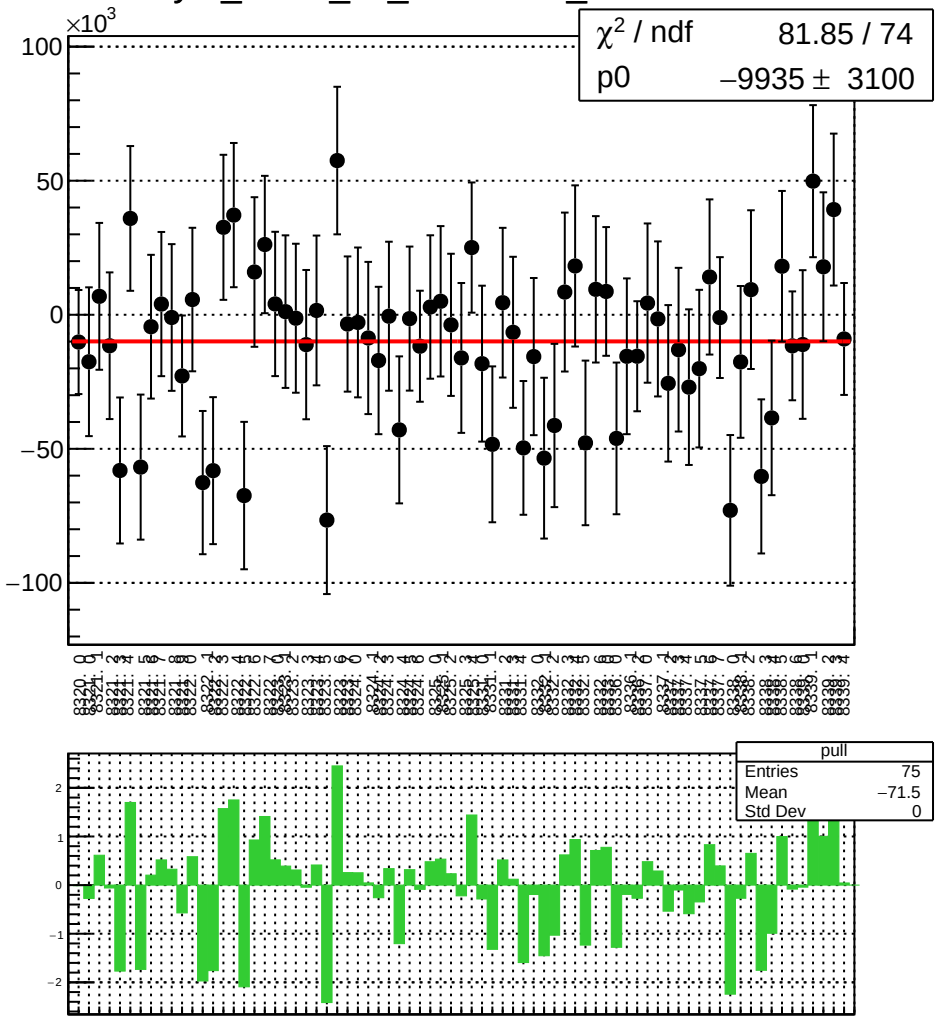

pull1D
Entries 75
Mean −0.002997
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

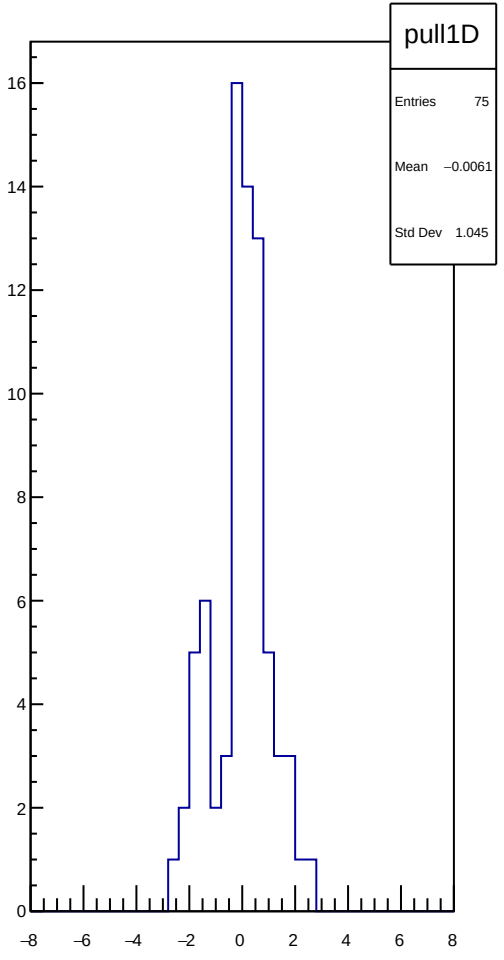

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 1419 / 74
p0 2700 ± 2.22
3000
2950
2900
2850
2800
2750
2700
2650
2600
2550

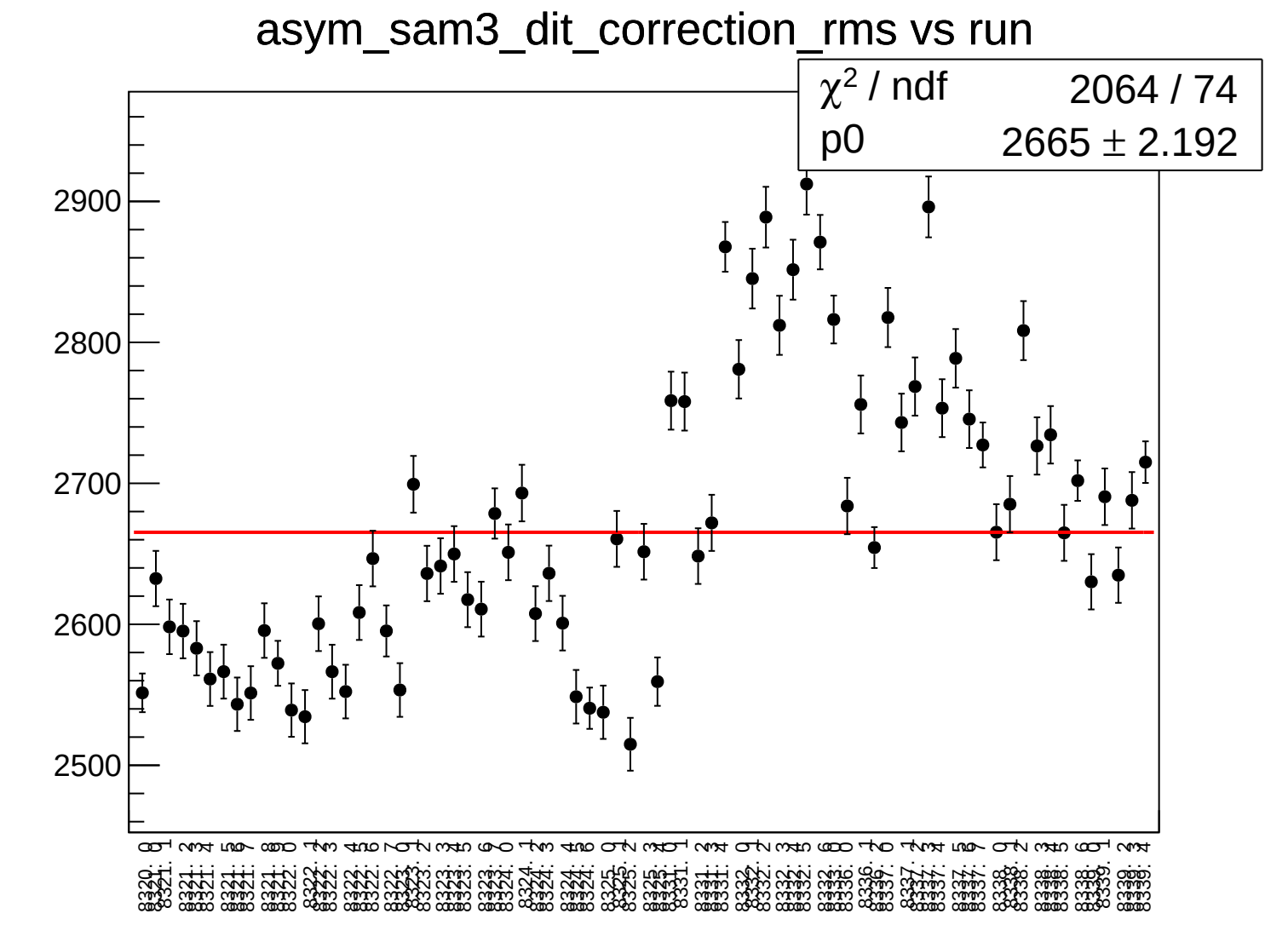

dit_asym_sam3_mean vs run
χ² / ndf 75.8 / 74
p0 −253.6 ± 293.7
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 155
Std Dev 0
2
1
0
−1
−2

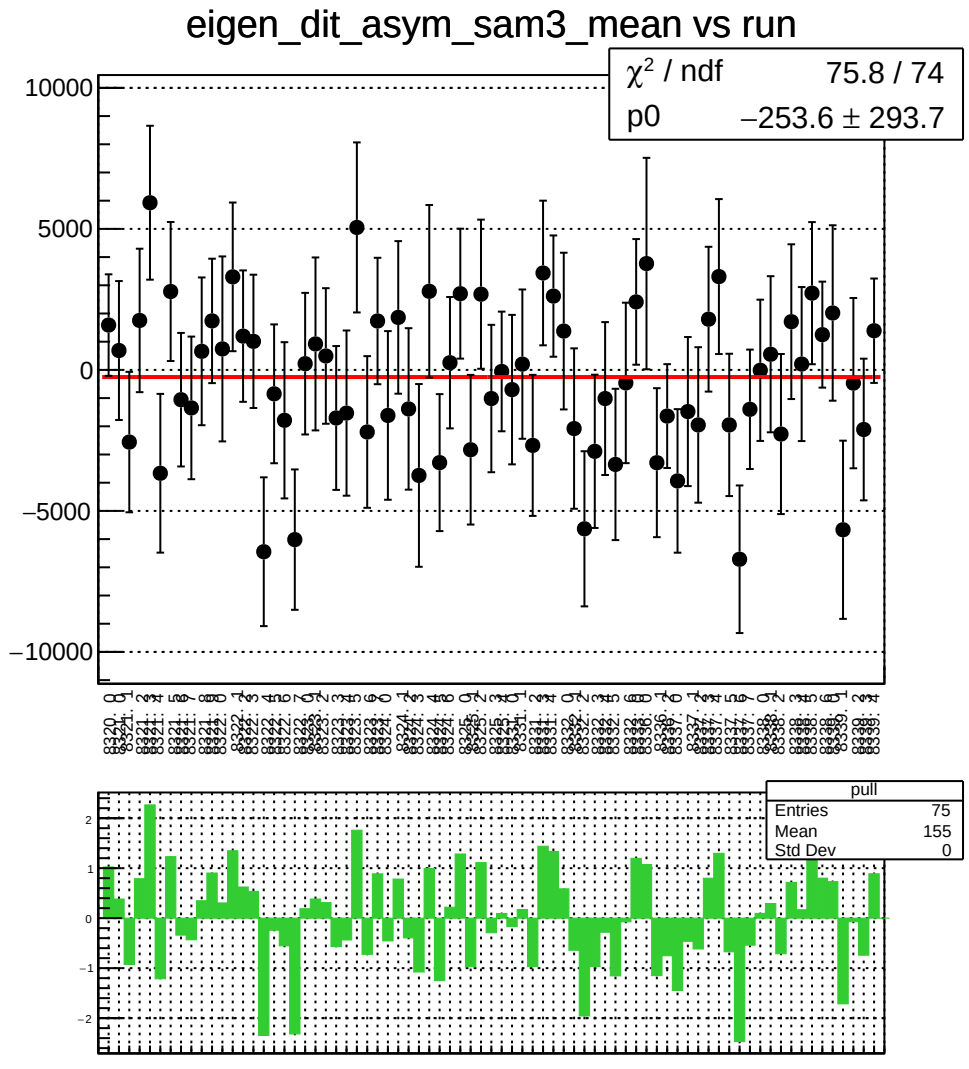

pull1D
Entries 75
Mean −0.0208
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

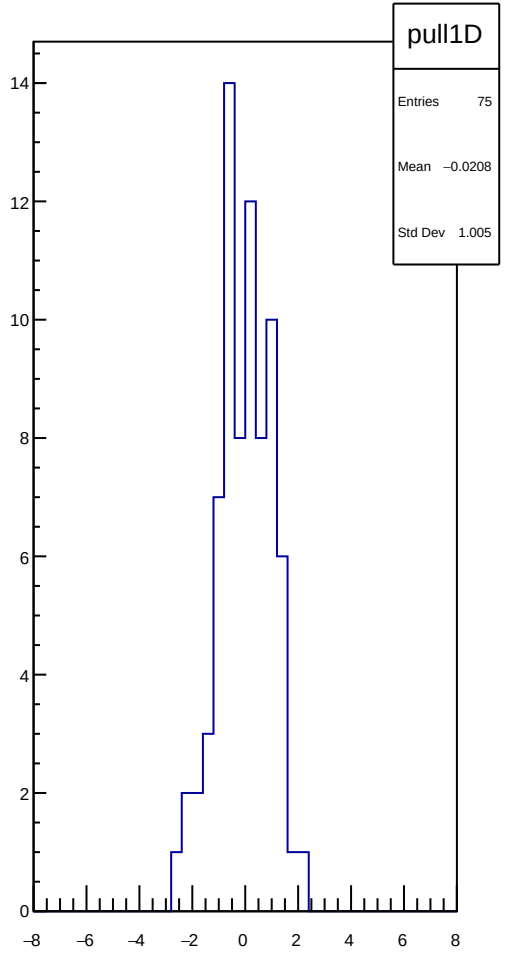

dit_asym_sam3_rms vs run
χ^2 / ndf 1.011e+04 / 74
p0 251.8 ± 0.2077
360
340
320
300
280
260
240
220

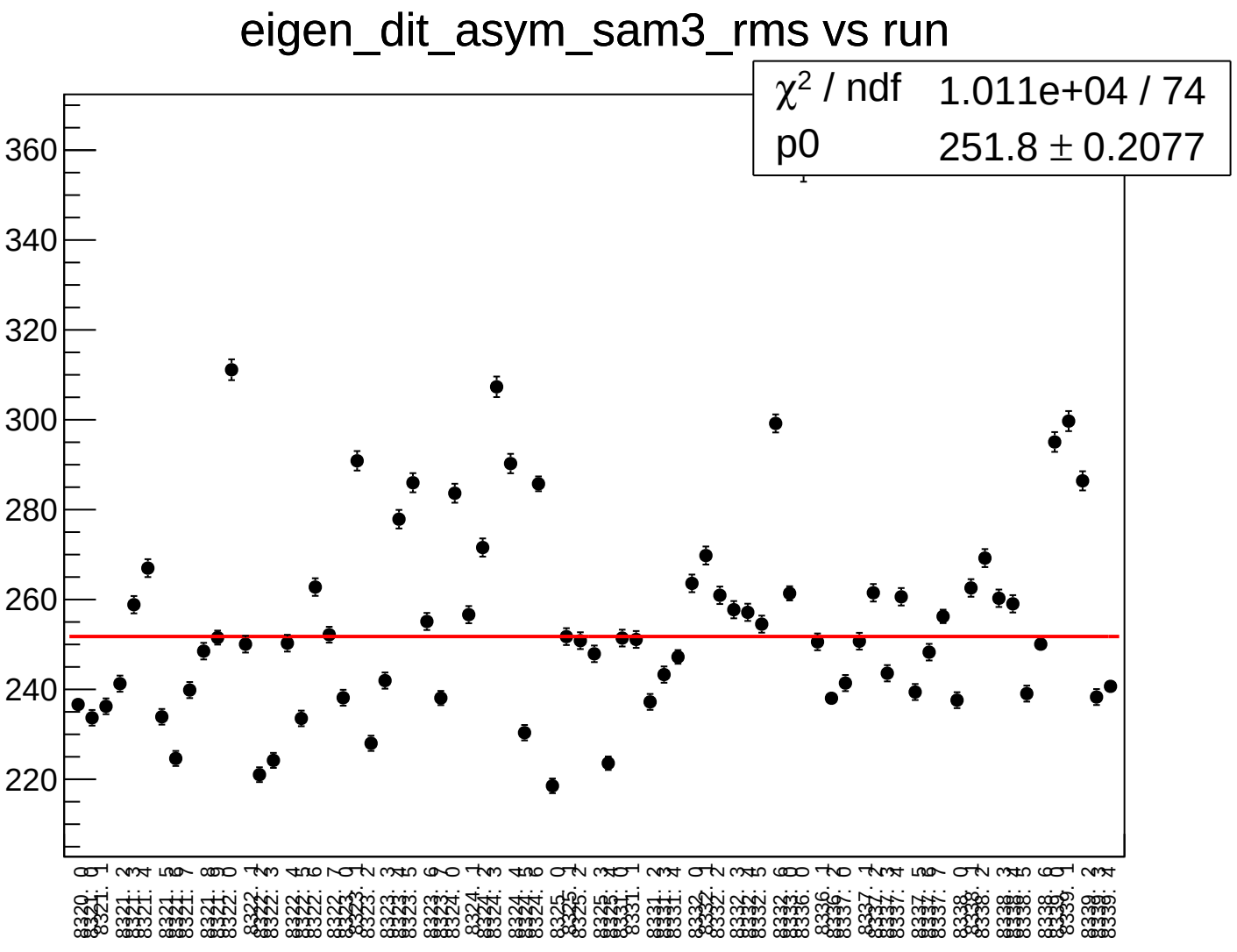

asym_sam3_dit_correction_mean vs run
×10^3
χ² / ndf 81.85 / 74
p0 −9935 ± 3100
100
50
0
−50
−100
pull
Entries 75
Mean −71.5
Std Dev 0
2
1
0
−1
−2

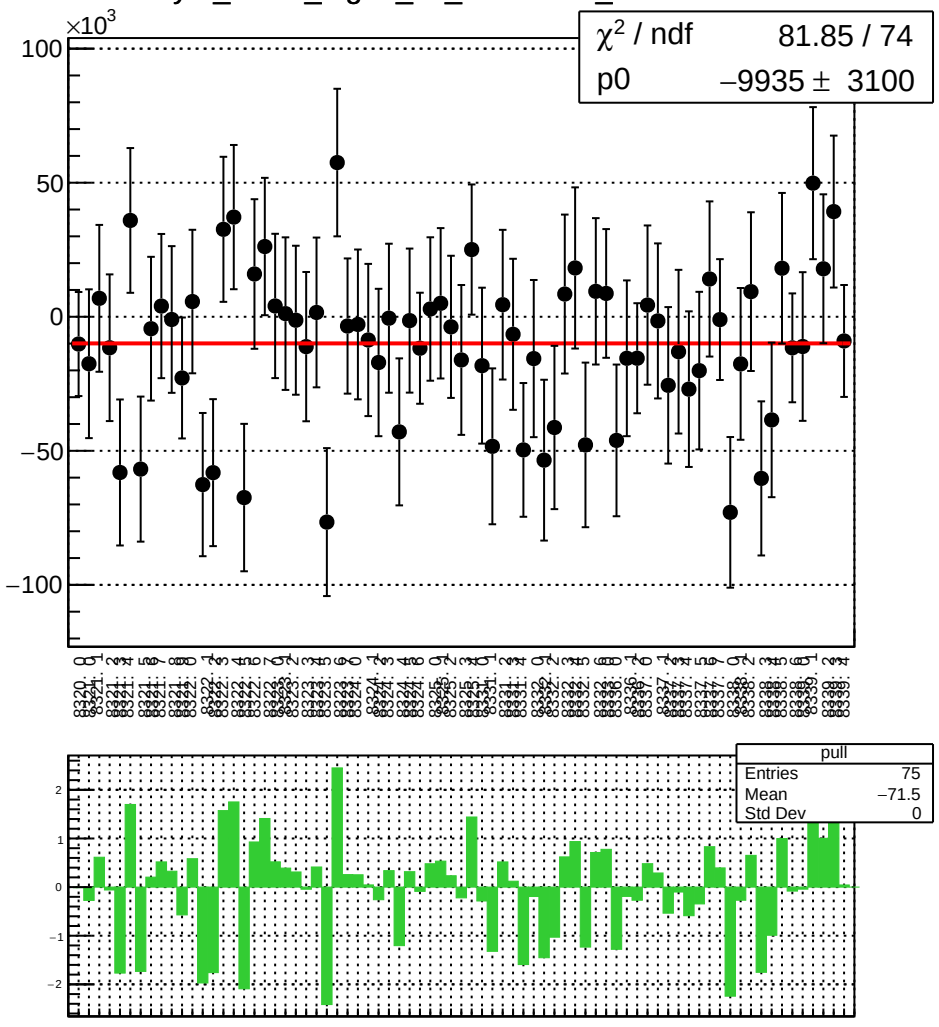

pull1D
Entries 75
Mean −0.0061
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

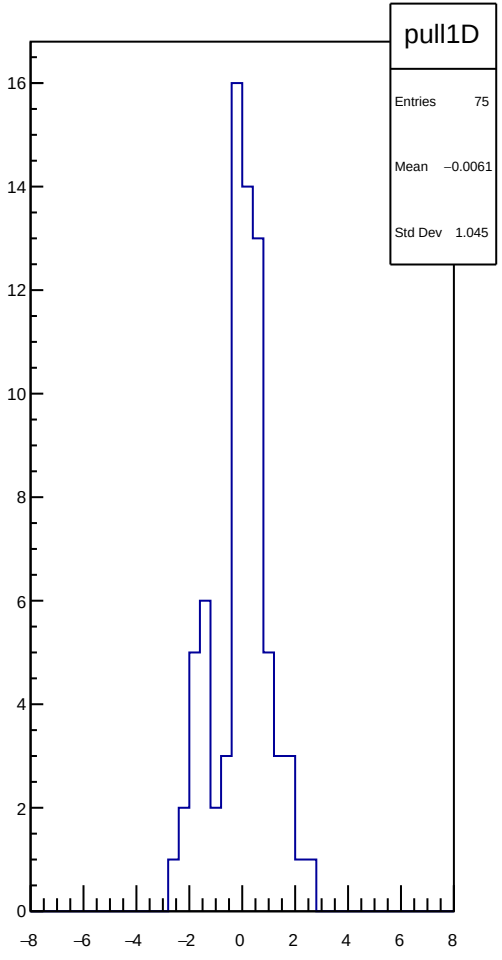

asym_sam3_dit_correction_rms vs run
χ² / ndf 2064 / 74
p0 2665 ± 2.192
2900
2800
2700
2600
2500

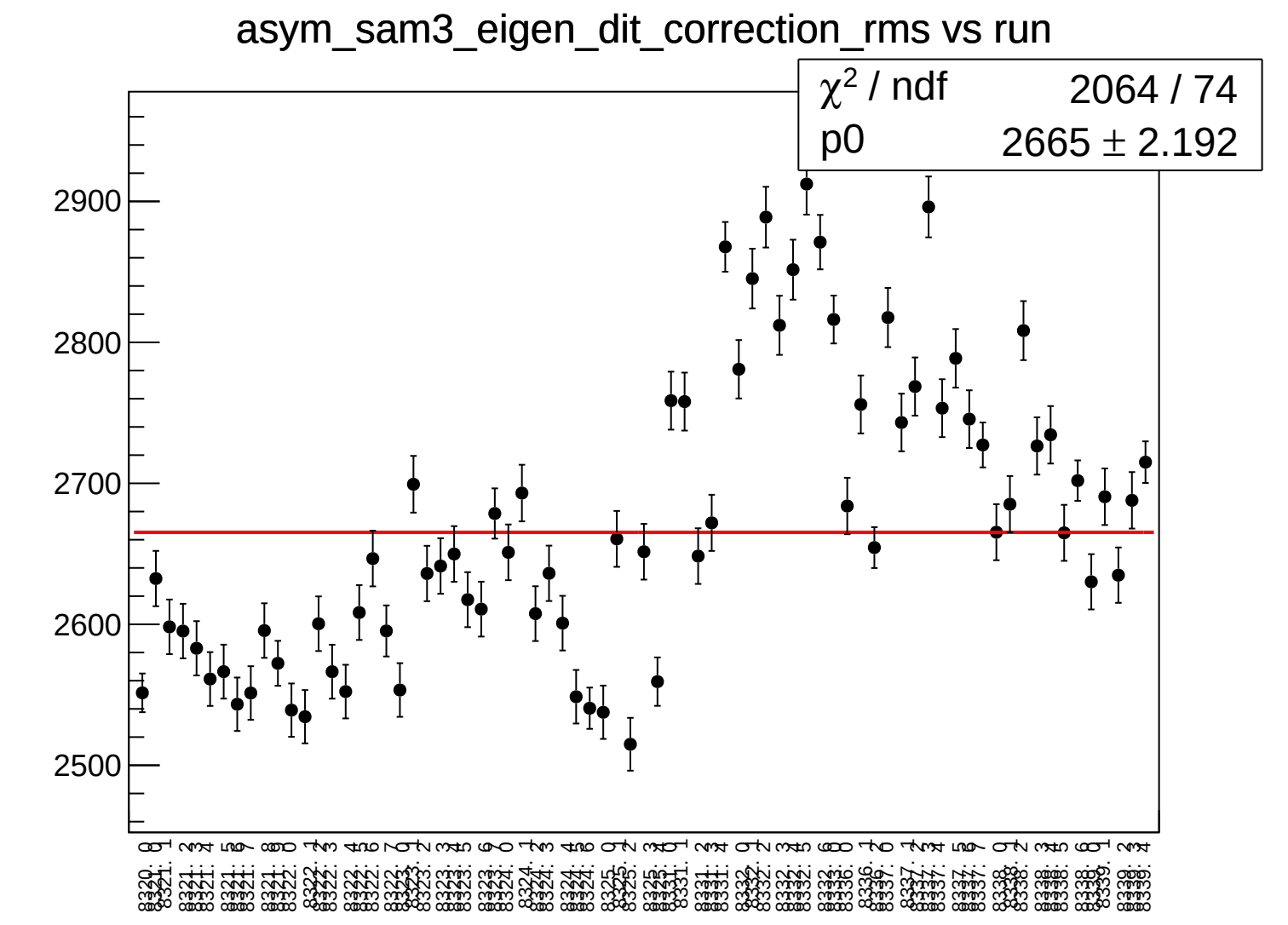

eigen_dit_asym_sam3_mean vs run
χ² / ndf 75.8 / 74
p0 −253.6 ± 293.7
10000
5000
0
−5000
−10000
pull
Entries 75
Mean 155
Std Dev 0
2
1
0
−1
−2

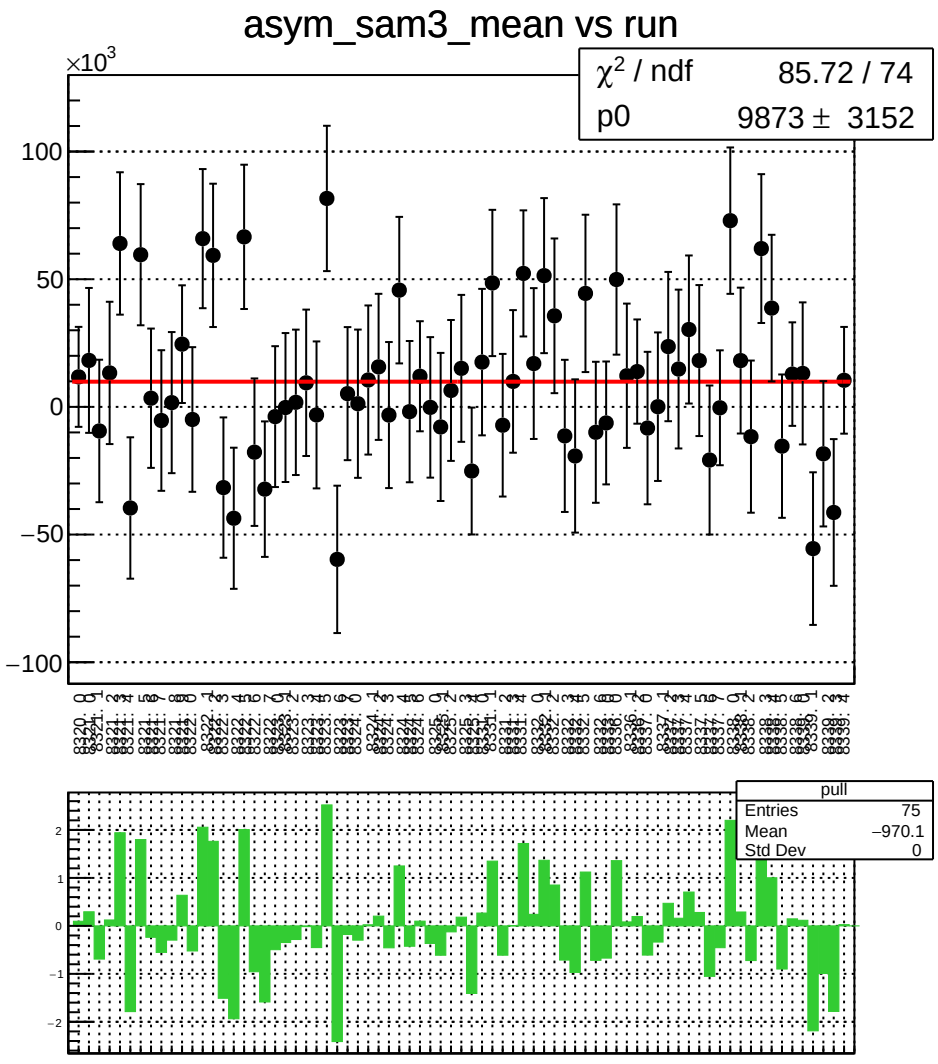

pull1D
Entries 75
Mean −0.0208
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

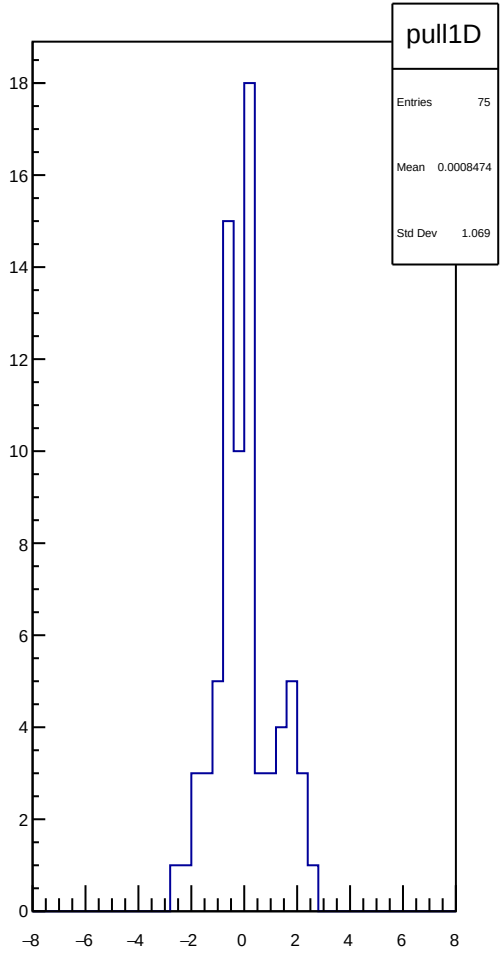

eigen_dit_asym_sam3_rms vs run
χ² / ndf 1.011e+04 / 74
p0 251.8 ± 0.2077
360
340
320
300
280
260
240
220

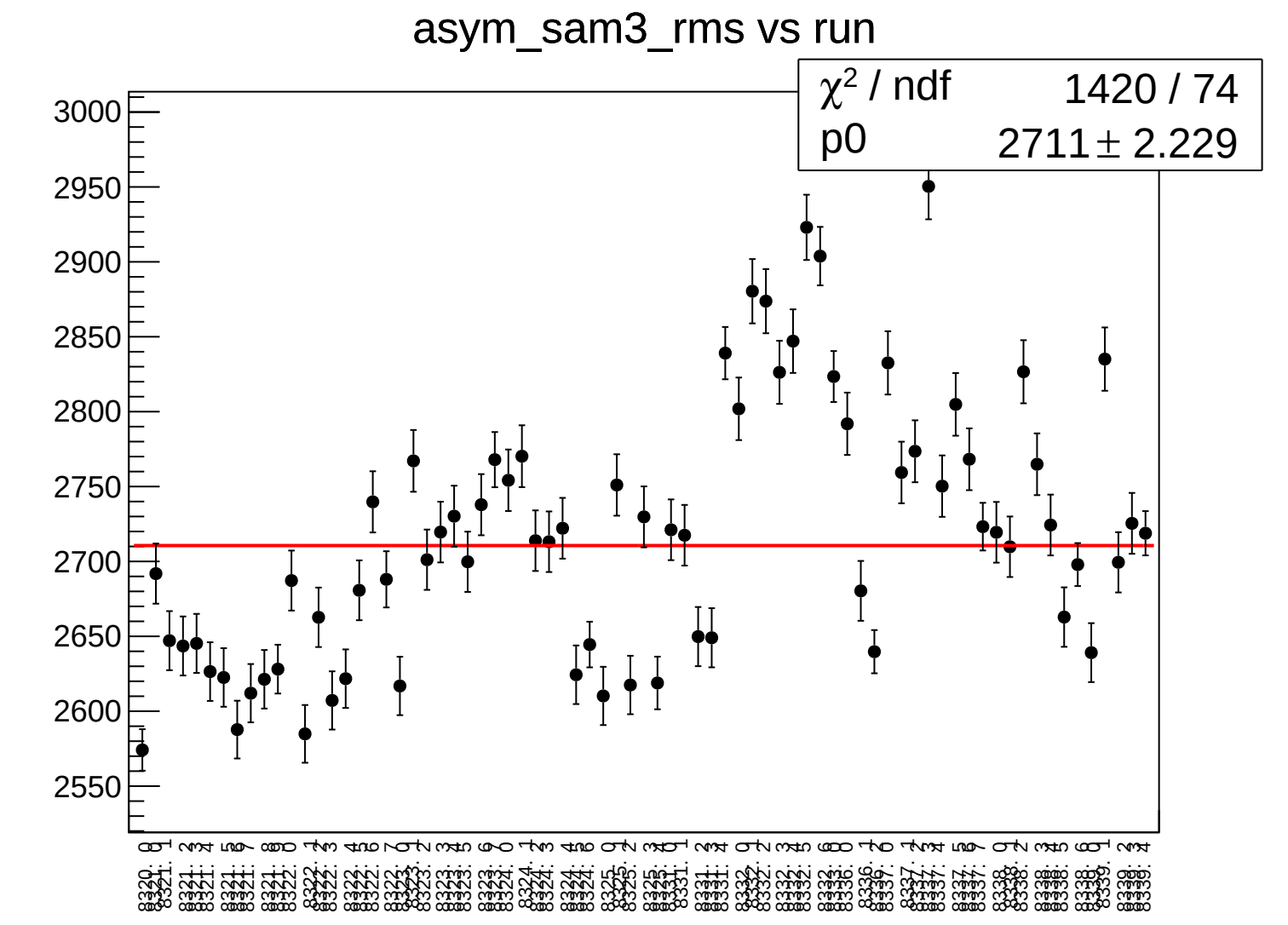

asym_sam3_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 81.85 / 74
p0 −9935 ± 3100
pull
Entries 75
Mean −71.5
Std Dev 0

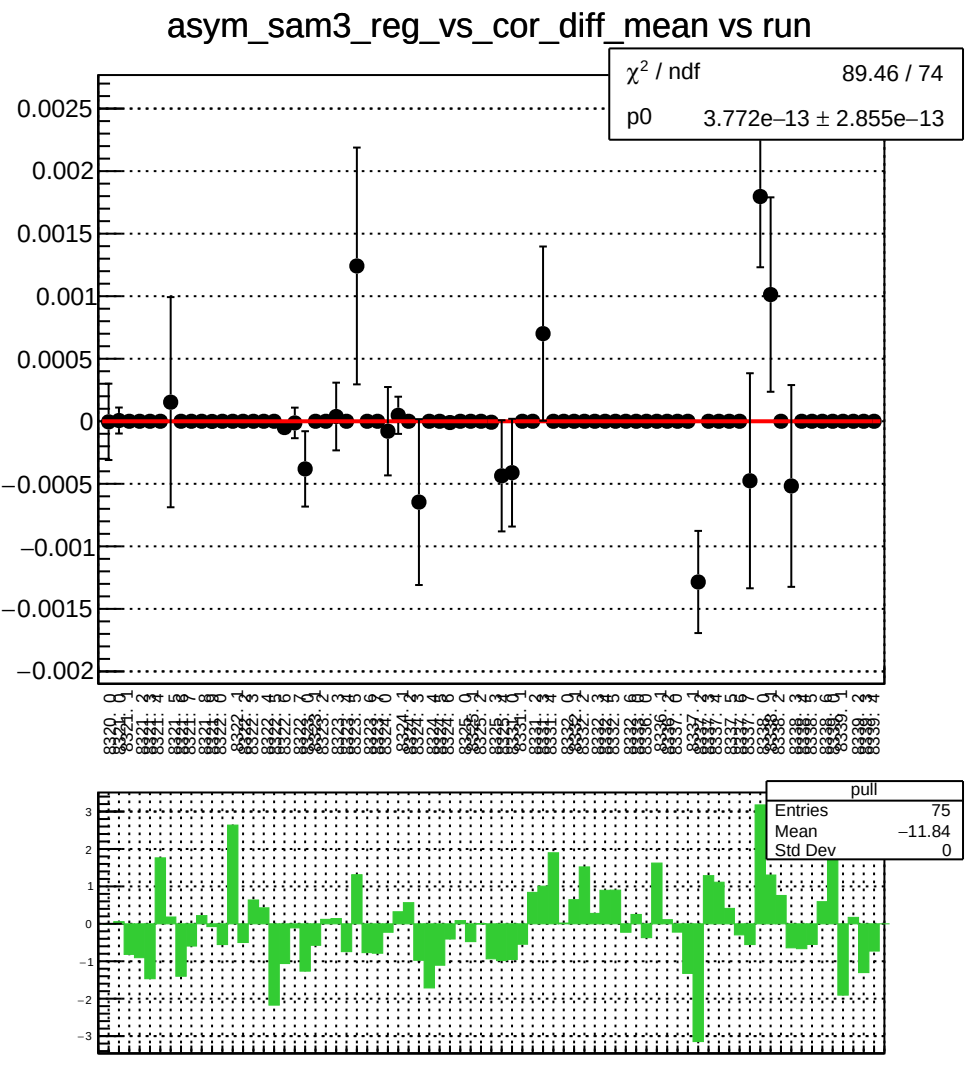

pull1D
Entries 75
Mean −0.0061
Std Dev 1.045

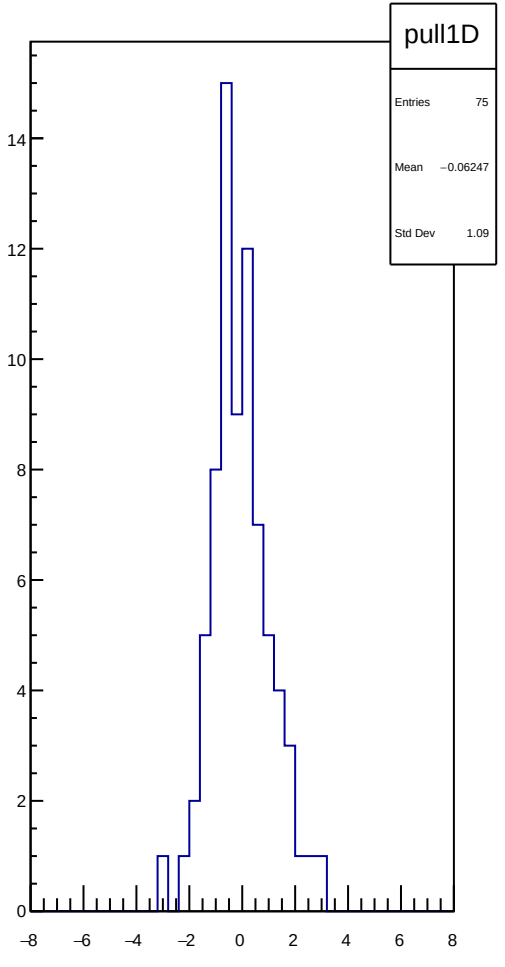

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 2064 / 74
p0 2665 ± 2.192
2900
2800
2700
2600
2500

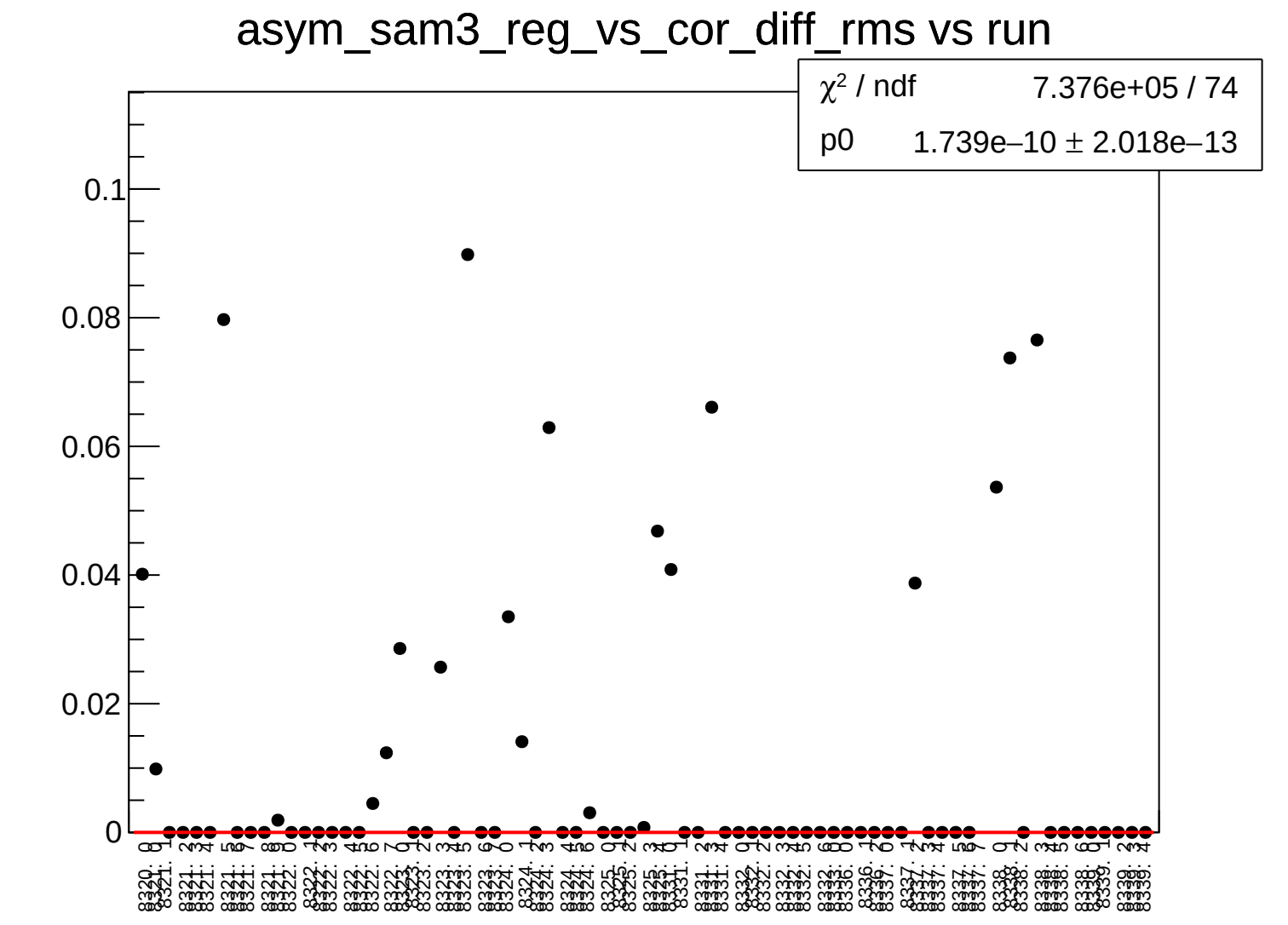

asym_sam3_mean vs run
×10^3
χ² / ndf 85.72 / 74
p0 9873 ± 3152
100
50
0
−50
−100
pull
Entries 75
Mean −970.1
Std Dev 0
2
1
0
−1
−2

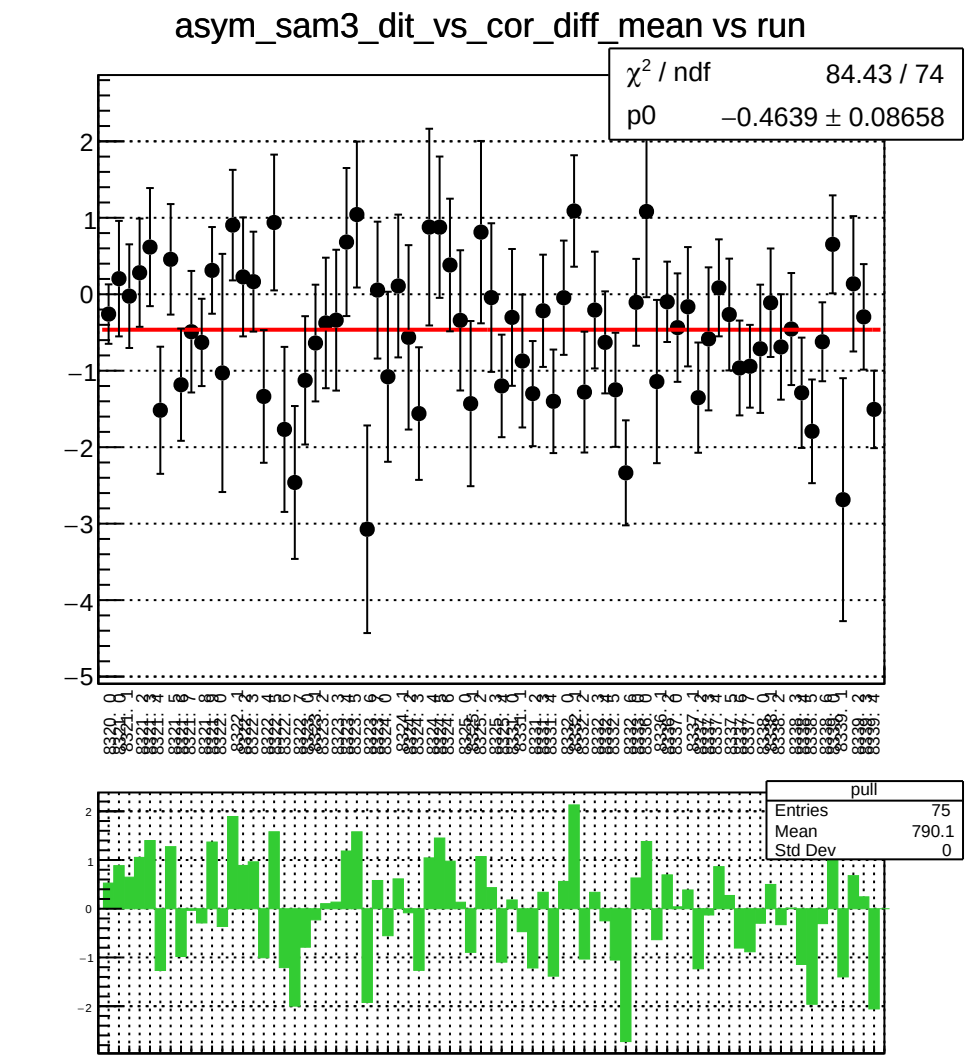

pull1D
Entries 75
Mean 0.0008474
Std Dev 1.069
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

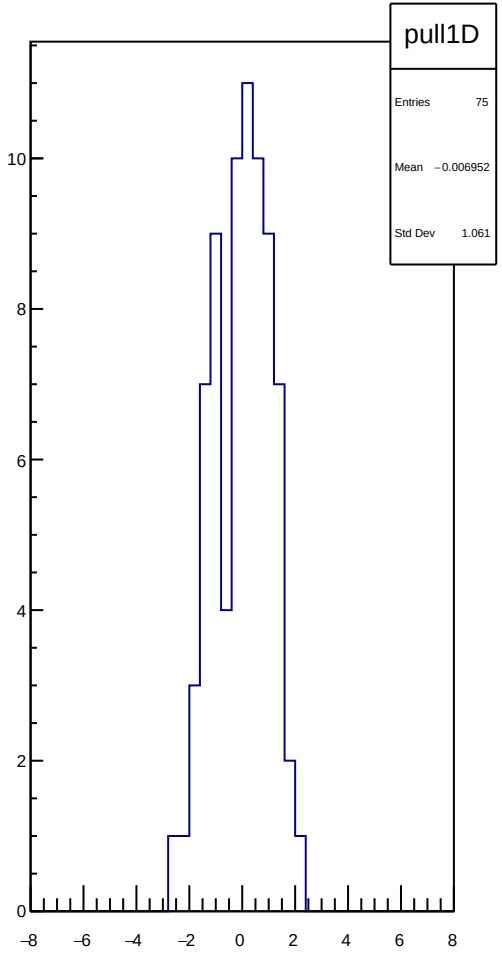

asym_sam3_rms vs run
χ² / ndf 1420 / 74
p0 2711 ± 2.229
3000
2950
2900
2850
2800
2750
2700
2650
2600
2550

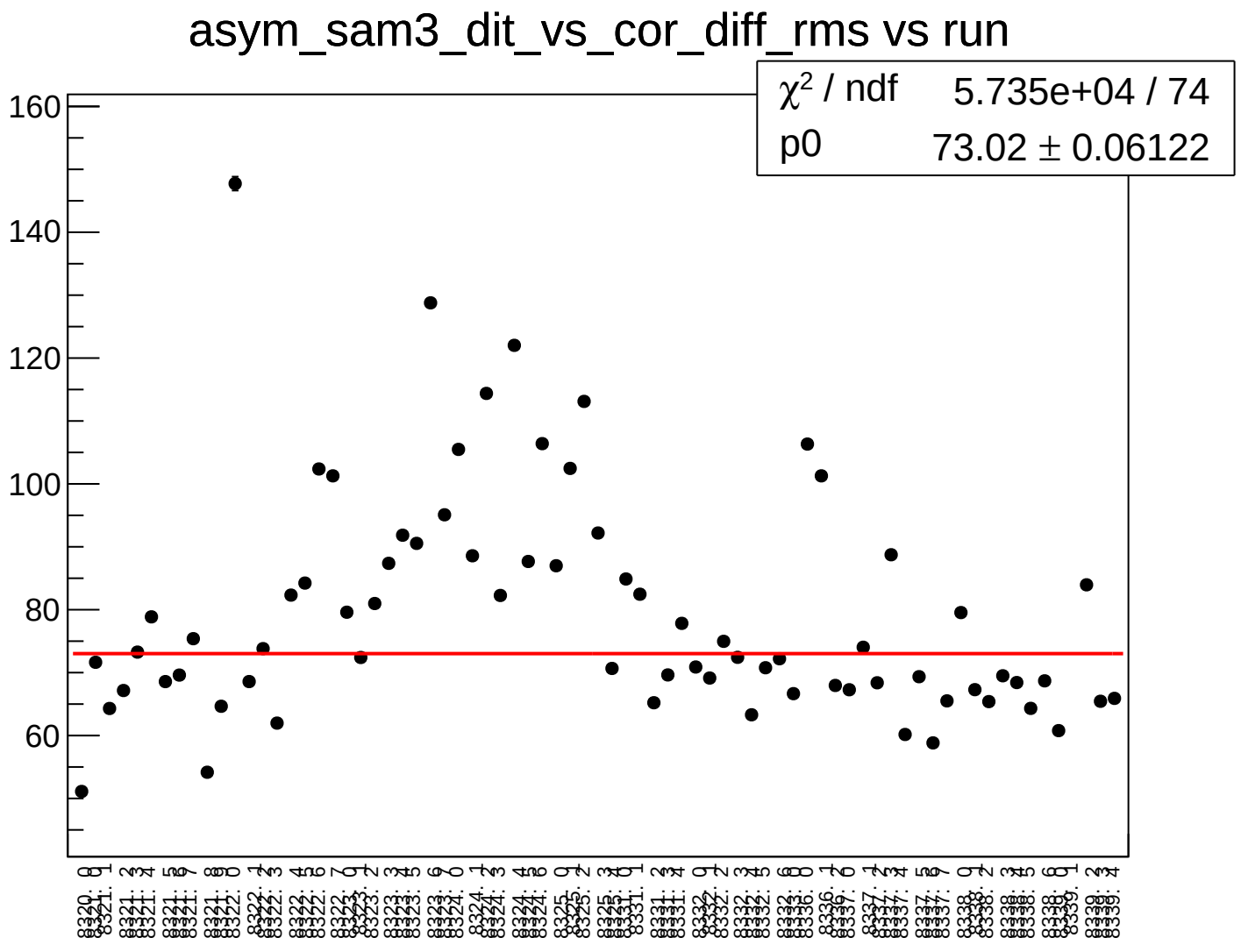

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 89.46 / 74
p0 3.772e−13 ± 2.855e−13
pull
Entries 75
Mean −11.84
Std Dev 0

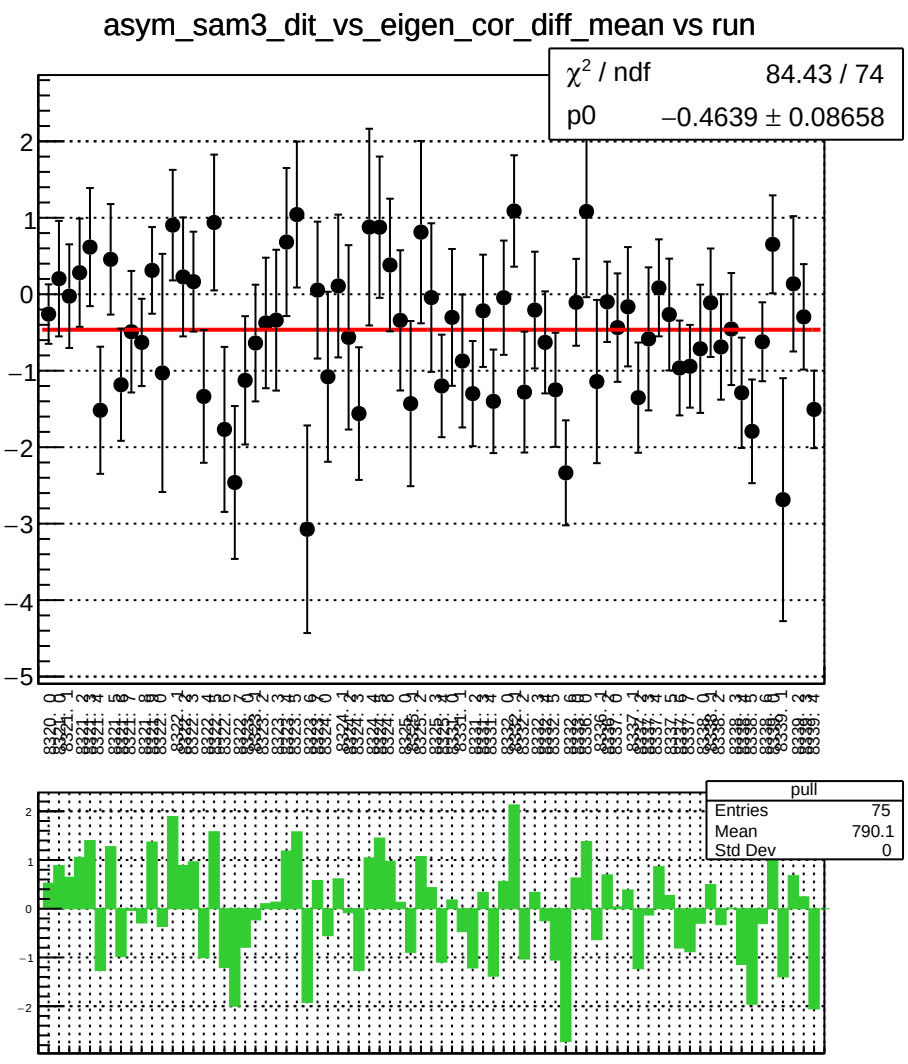

pull1D
Entries 75
Mean −0.06247
Std Dev 1.09

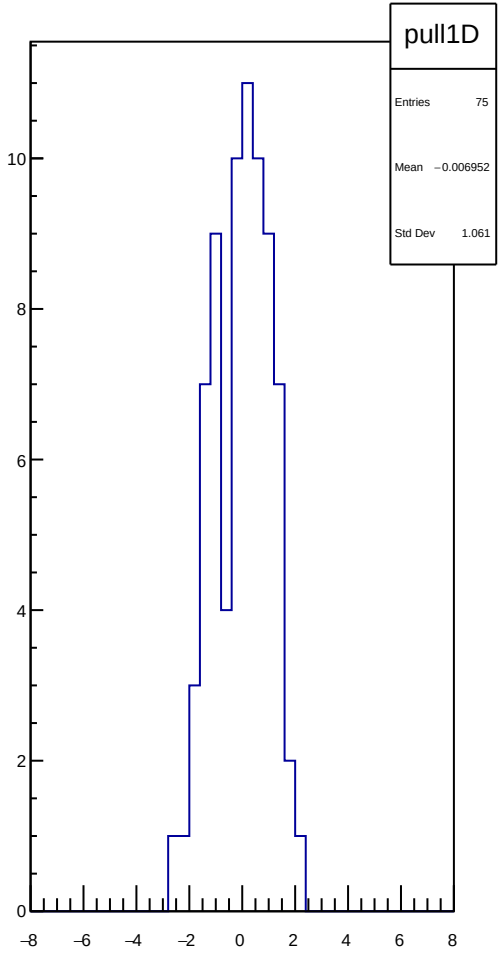

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 7.376e+05 / 74
p0 1.739e−10 ± 2.018e−13
0.1
0.08
0.06
0.04
0.02
0

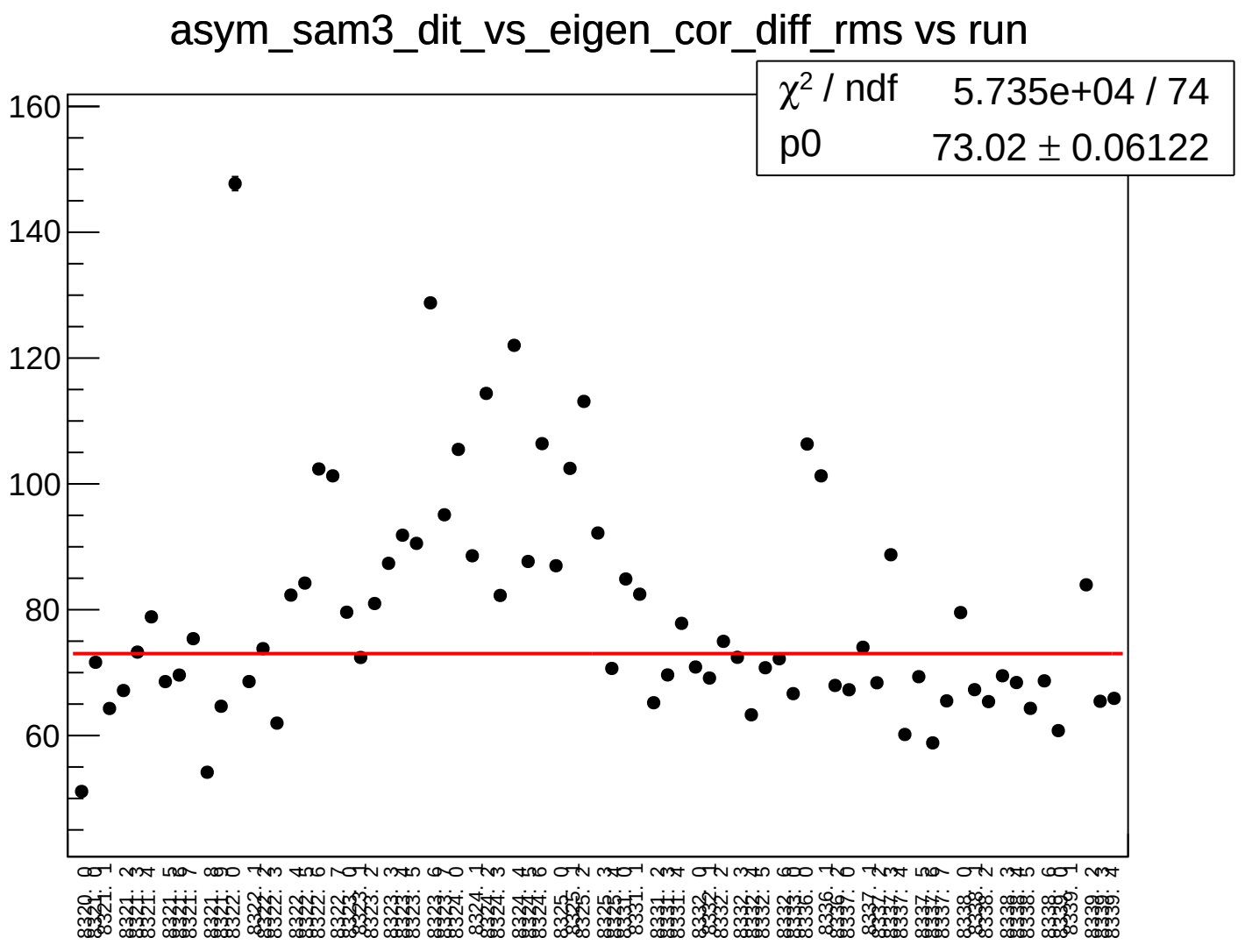

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 84.43 / 74
p0 −0.4639 ± 0.08658
pull
Entries 75
Mean 790.1
Std Dev 0

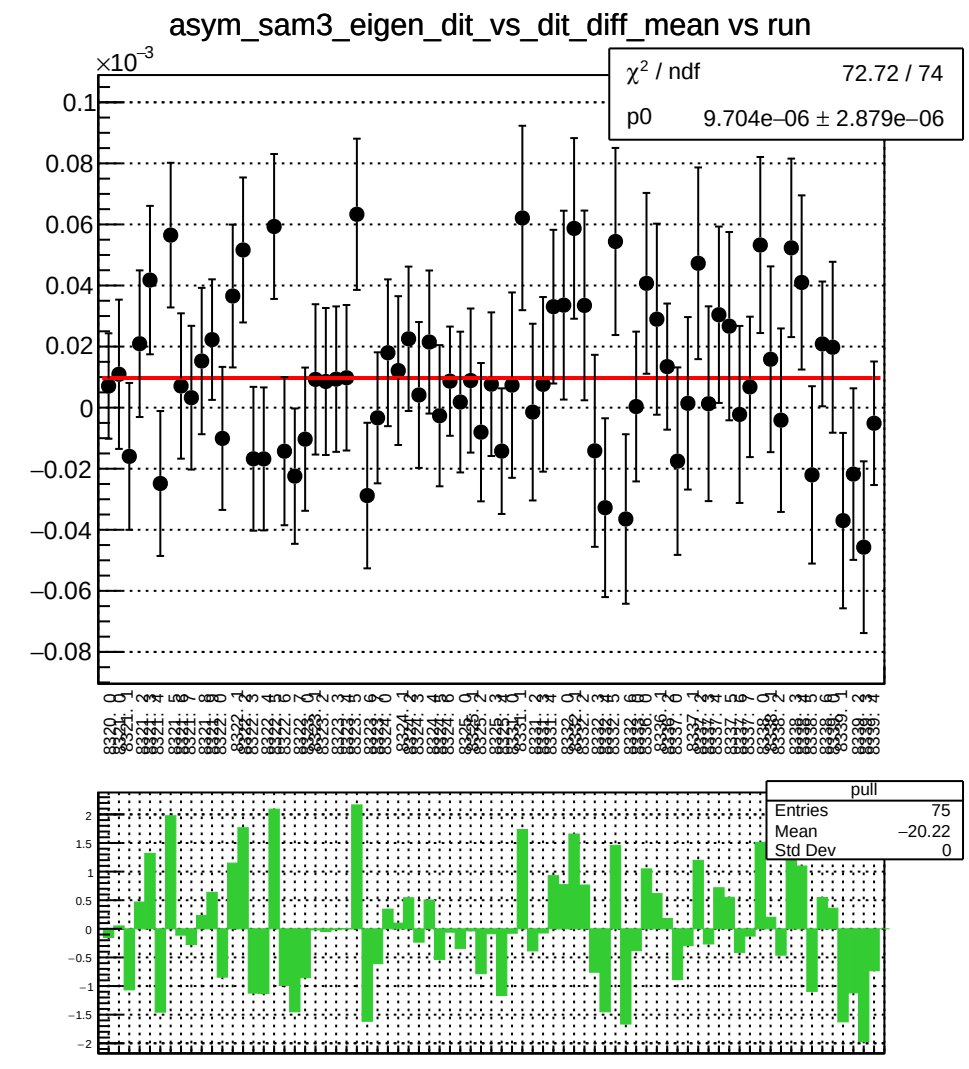

pull1D
Entries 75
Mean −0.006952
Std Dev 1.061

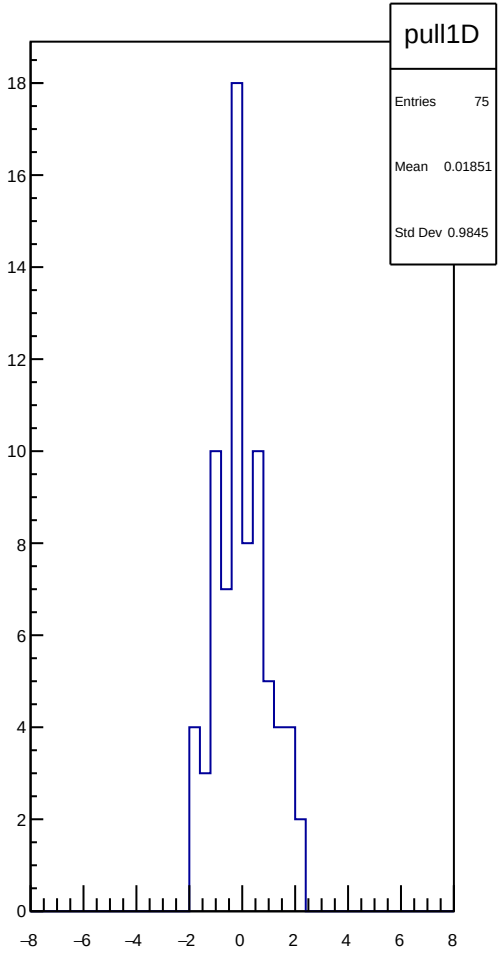

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 5.735e+04 / 74
p0 73.02 ± 0.06122
160
140
120
100
80
60

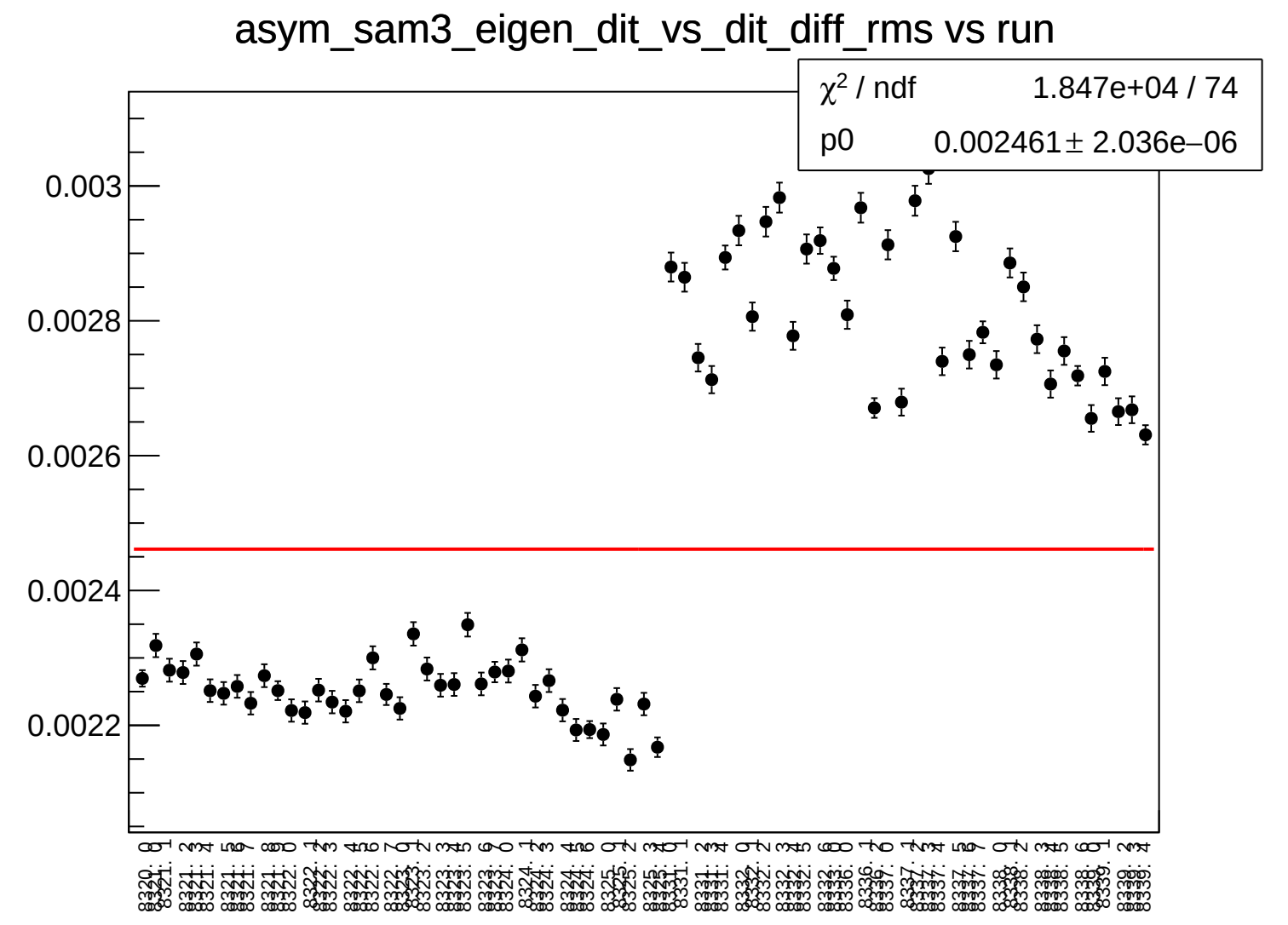

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.43 / 74
p0 −0.4639 ± 0.08658
pull
Entries 75
Mean 790.1
Std Dev 0

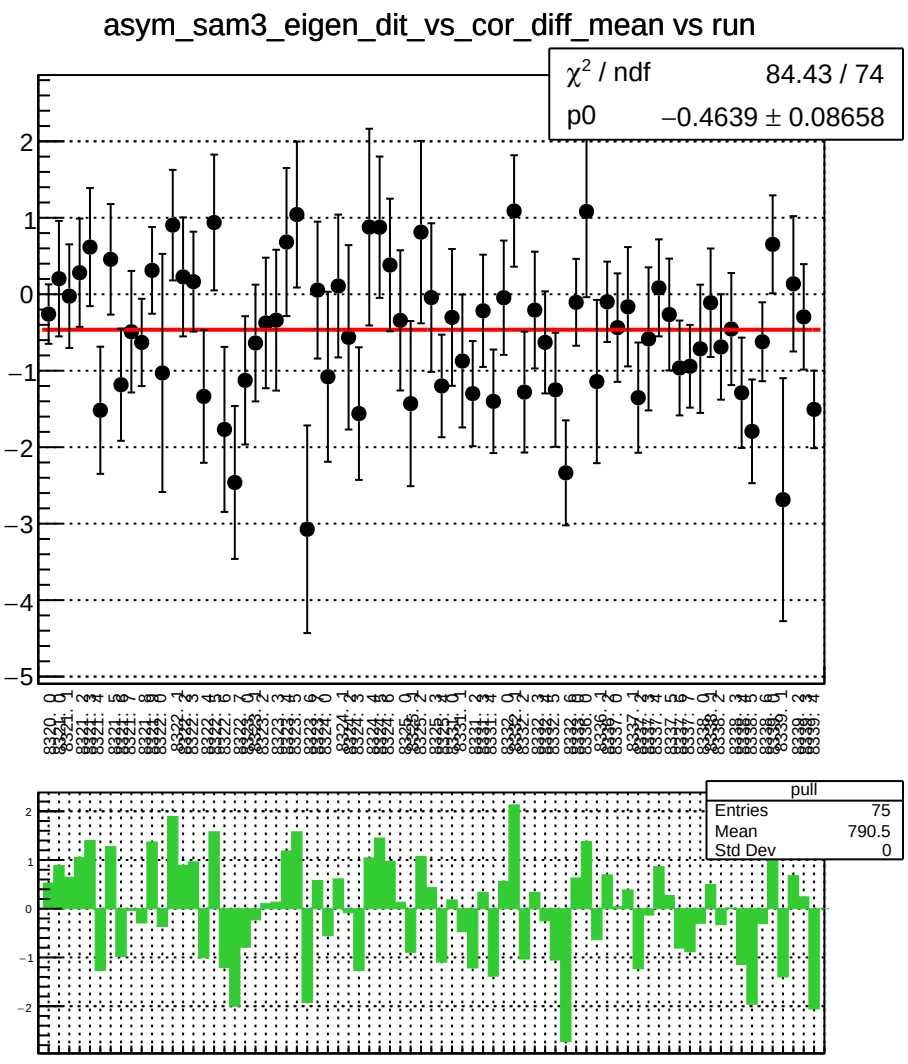

pull1D
Entries 75
Mean −0.006952
Std Dev 1.061

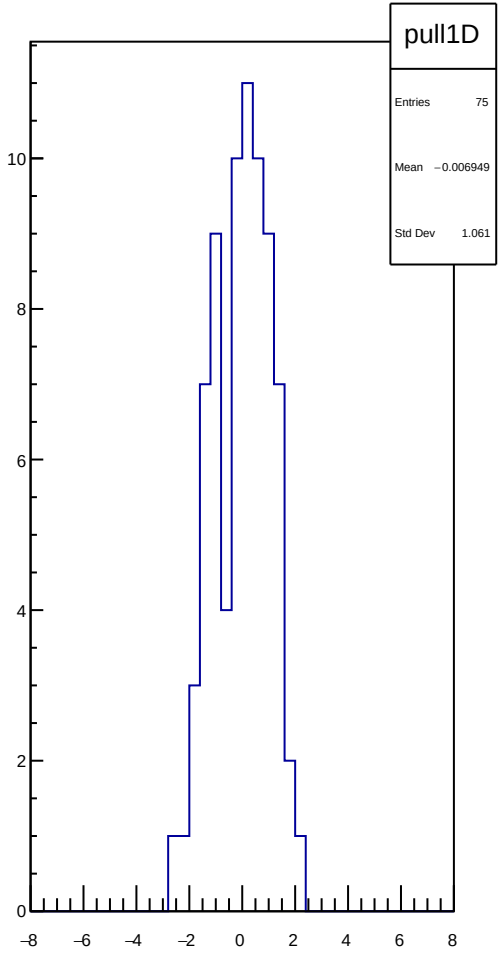

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.735e+04 / 74
p0 73.02 ± 0.06122
160
140
120
100
80
60

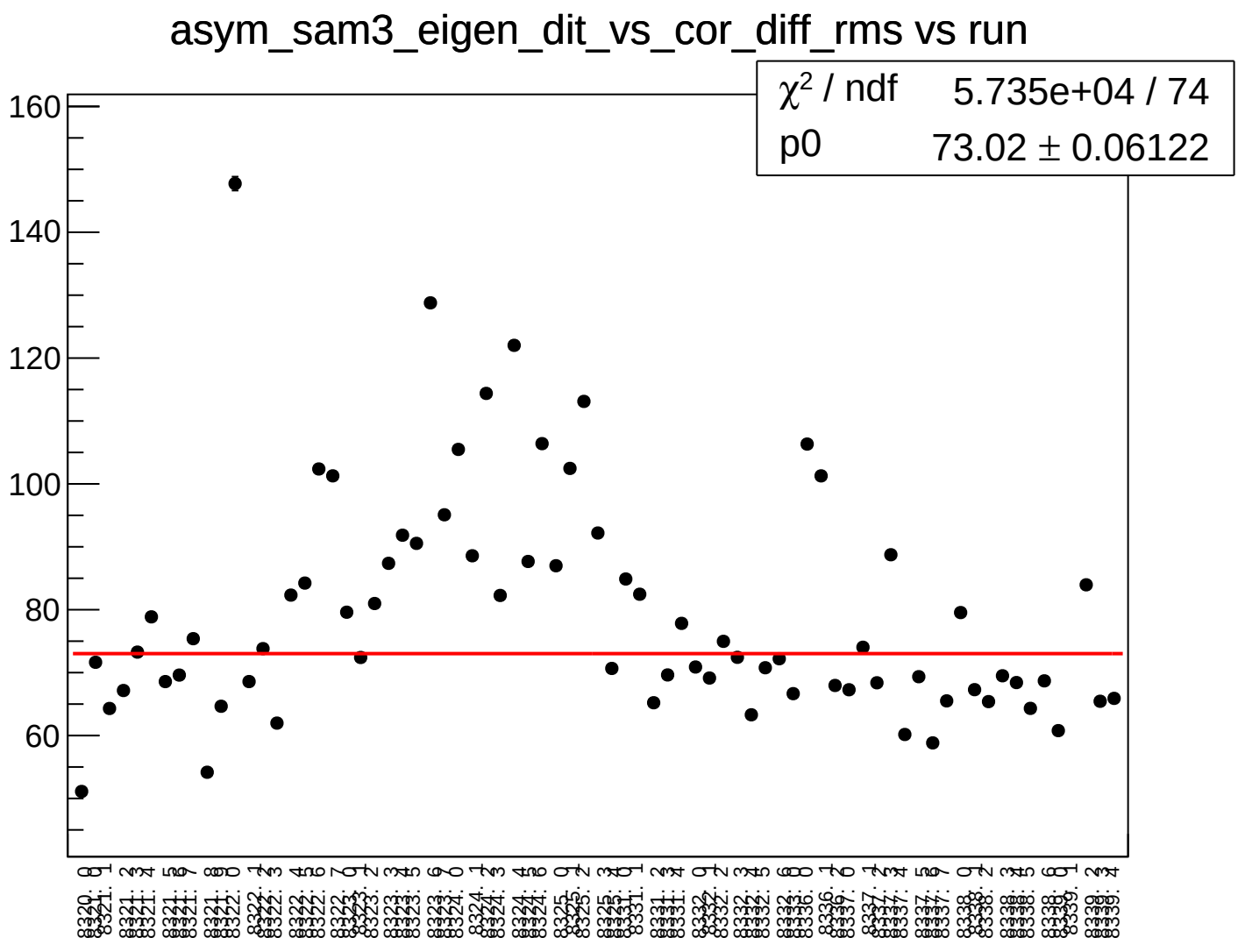

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.72 / 74
p0 9.704e−06 ± 2.879e−06
pull
Entries 75
Mean −20.22
Std Dev 0

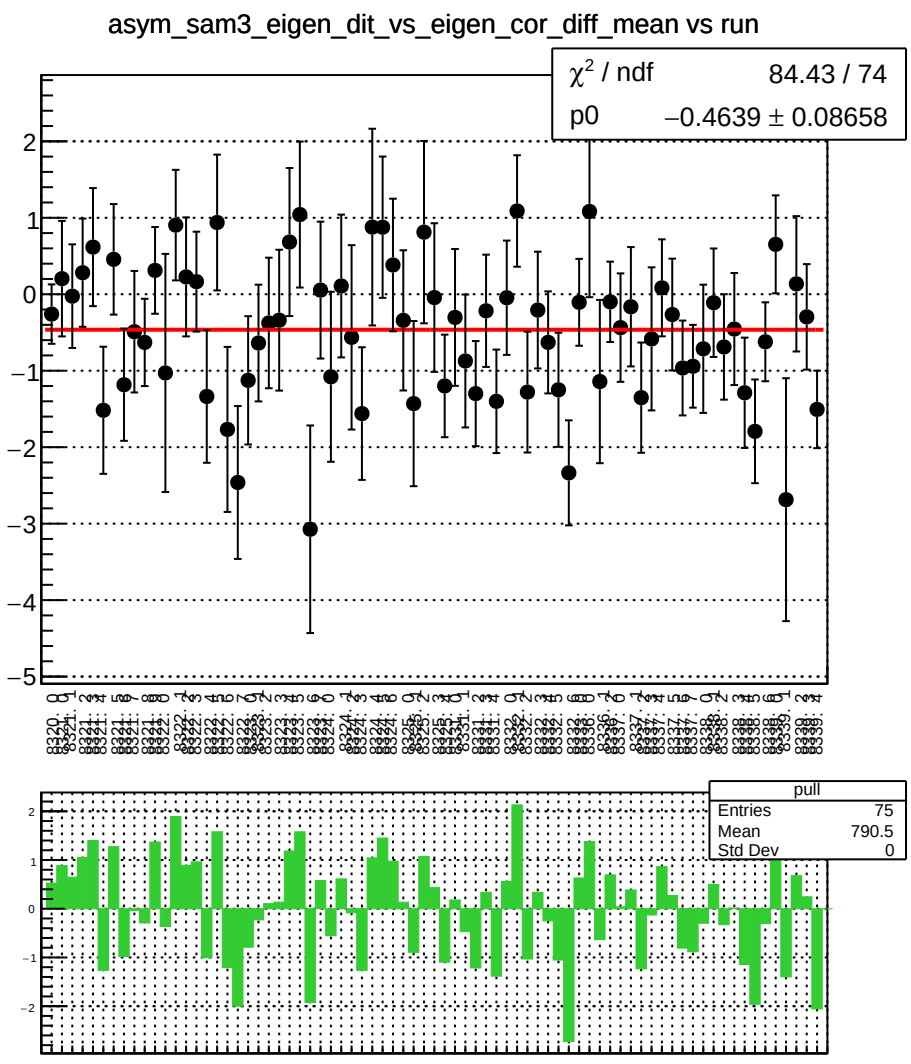

pull1D
Entries 75
Mean 0.01851
Std Dev 0.9845

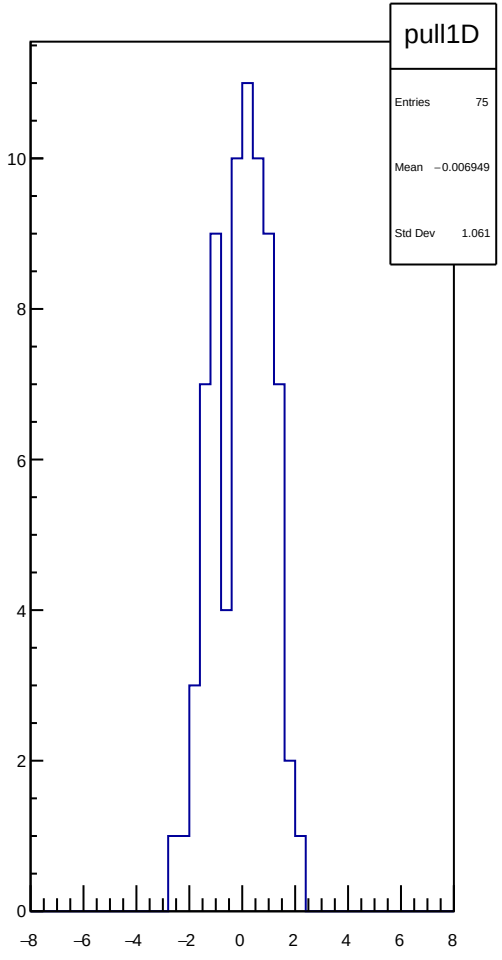

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.847e+04 / 74
p0 0.002461 ± 2.036e−06
0.003
0.0028
0.0026
0.0024
0.0022

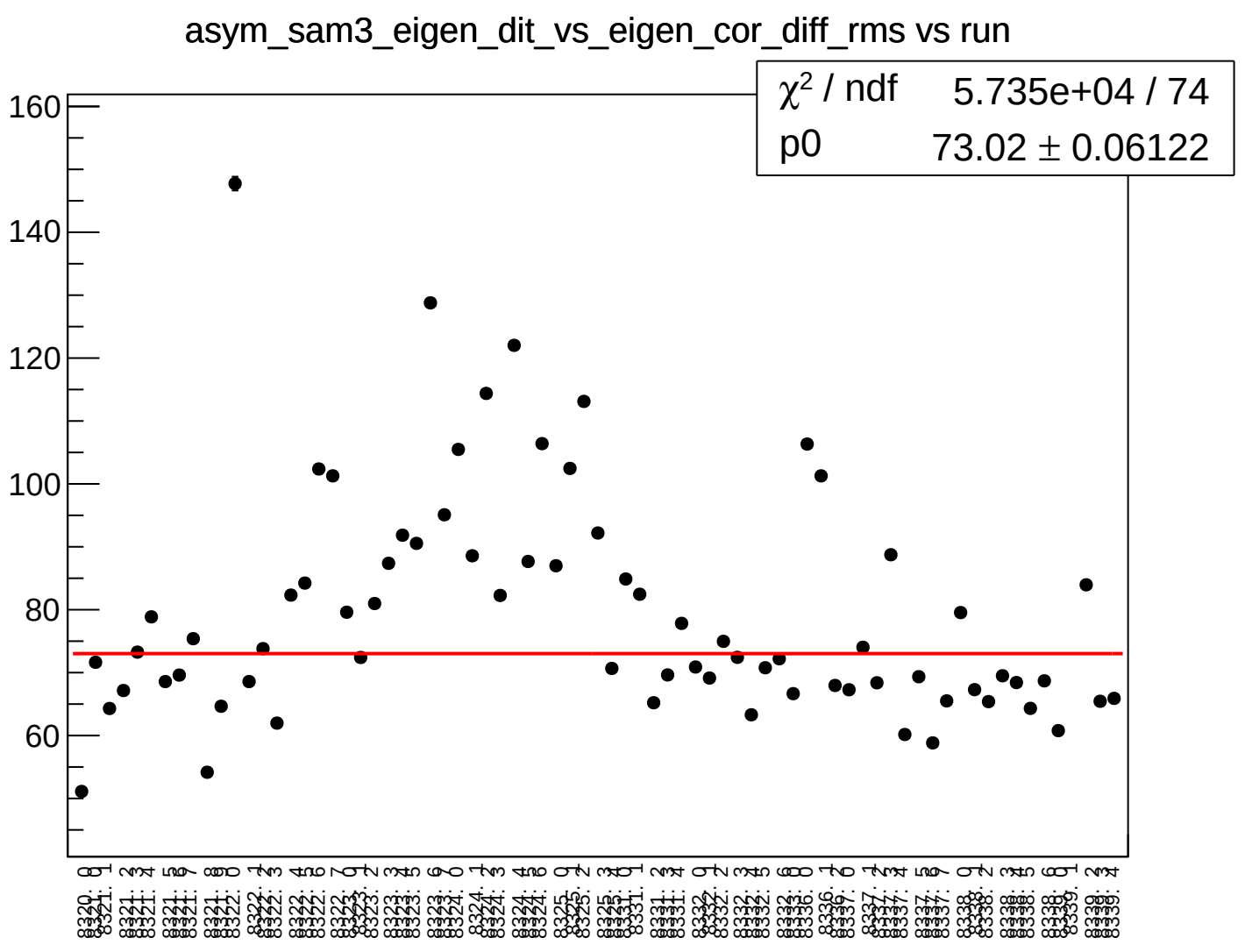

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 84.43 / 74
p0 −0.4639 ± 0.08658
pull
Entries 75
Mean 790.5
Std Dev 0

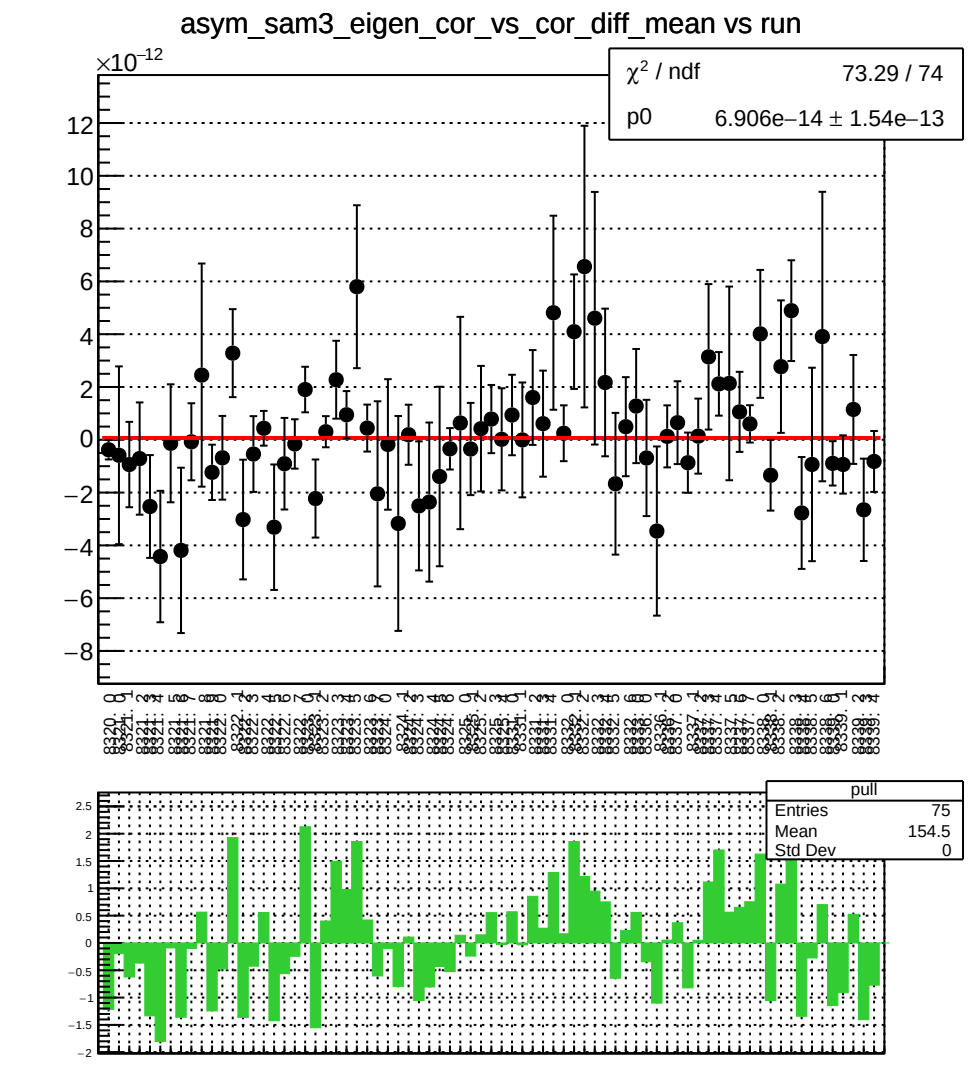

pull1D
Entries 75
Mean −0.006949
Std Dev 1.061

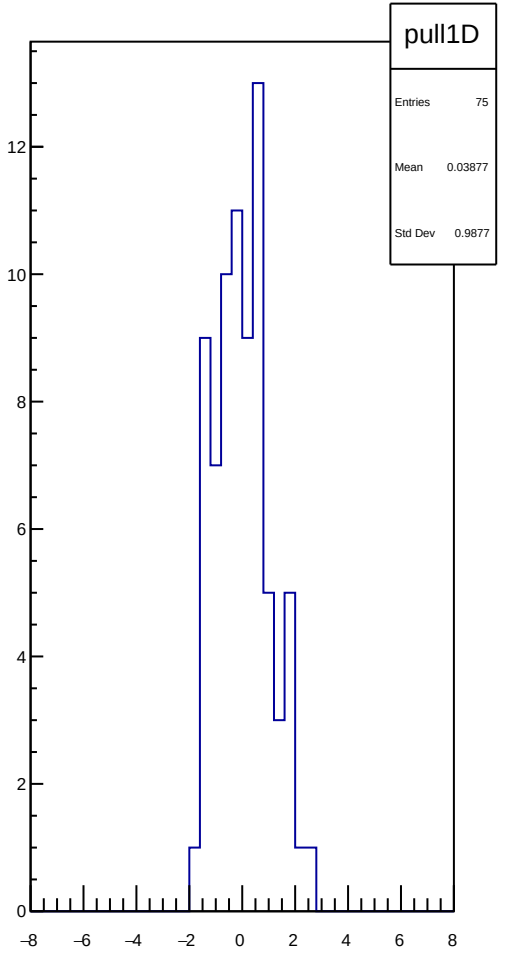

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.735e+04 / 74
p0 73.02 ± 0.06122
160
140
120
100
80
60

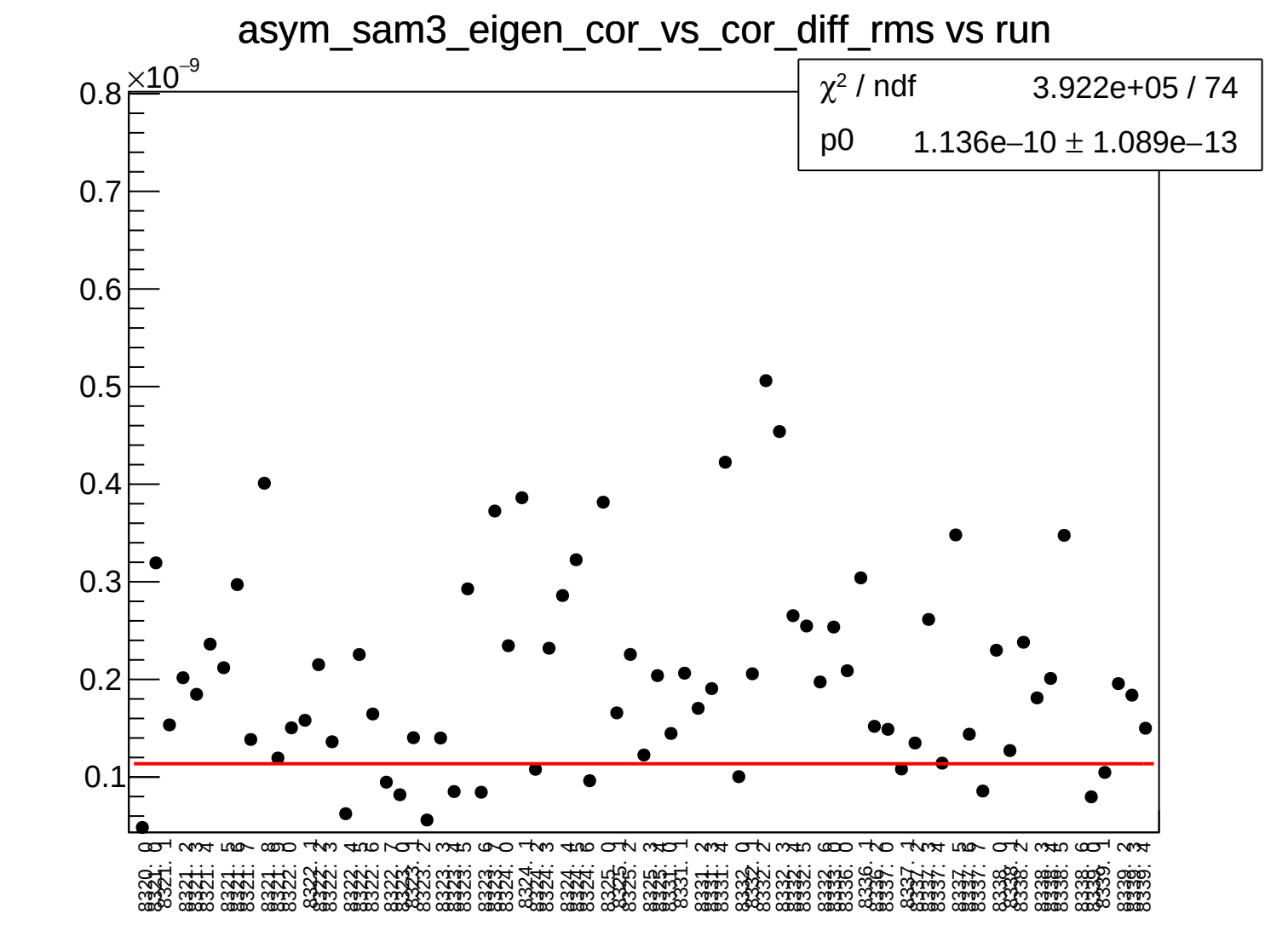

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 84.43 / 74
p0 −0.4639 ± 0.08658
pull
Entries 75
Mean 790.5
Std Dev 0

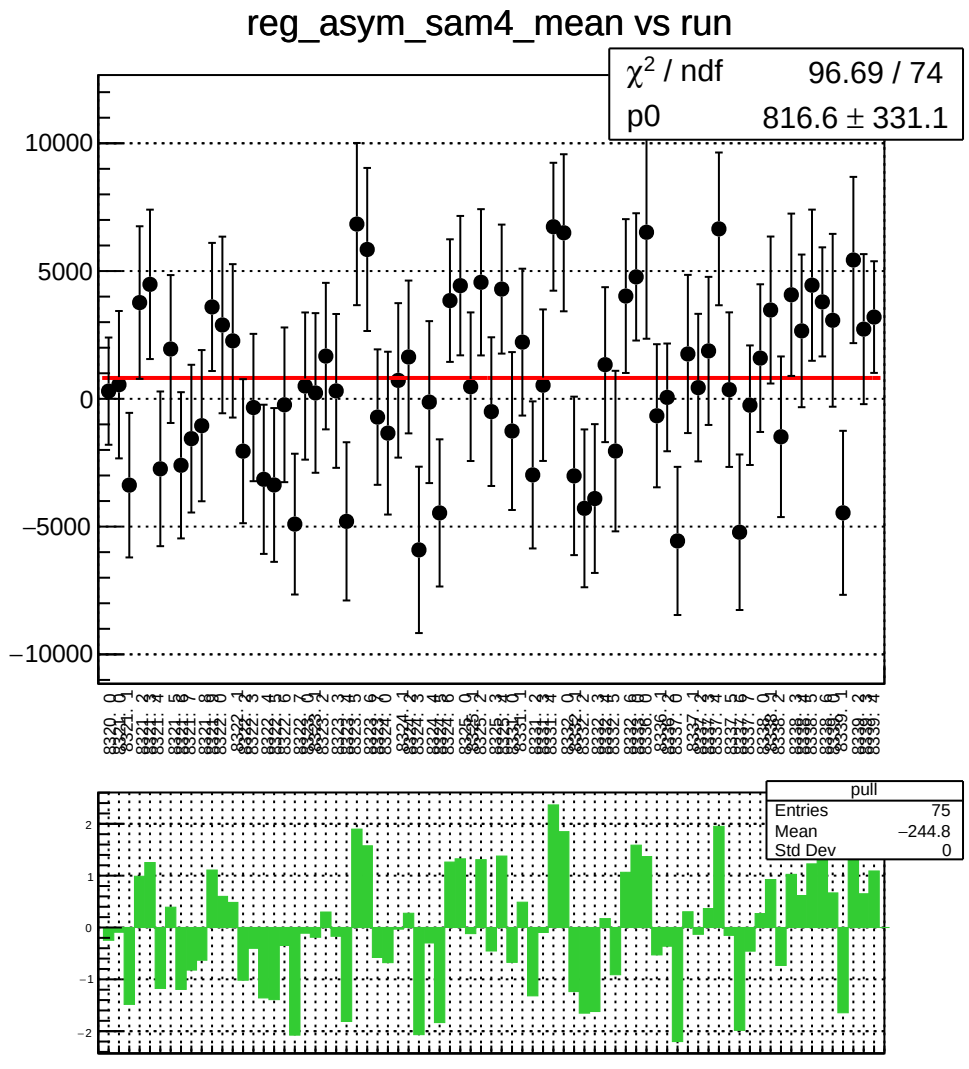

pull1D
Entries 75
Mean −0.006949
Std Dev 1.061

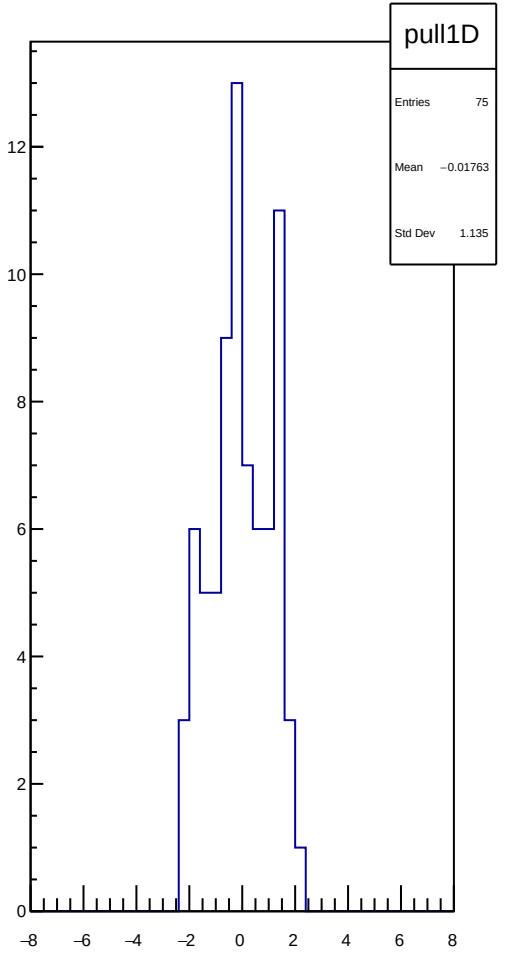

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.735e+04 / 74
p0 73.02 ± 0.06122
160
140
120
100
80
60

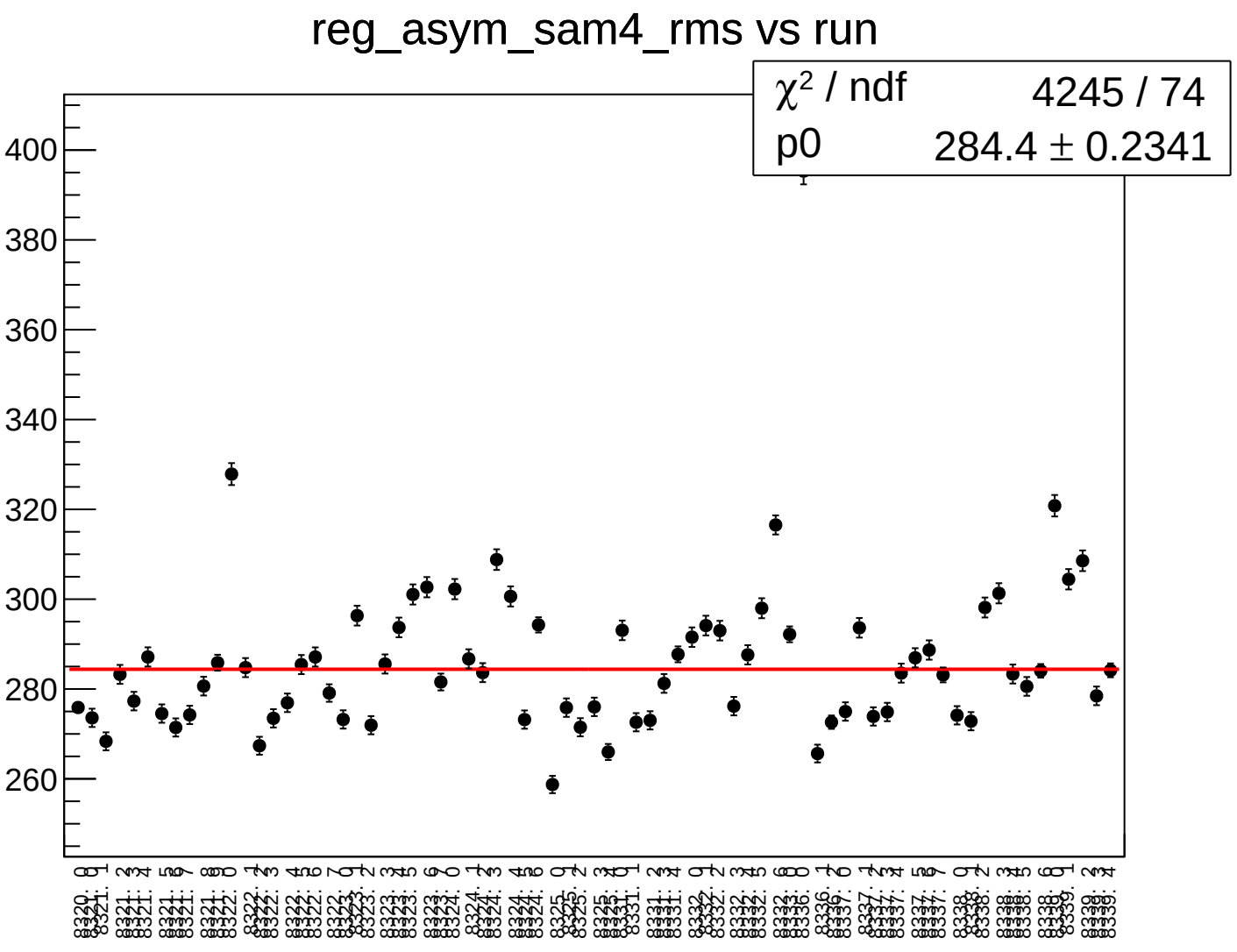

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 73.29 / 74
p0 6.906e−14 ± 1.54e−13
pull
Entries 75
Mean 154.5
Std Dev 0

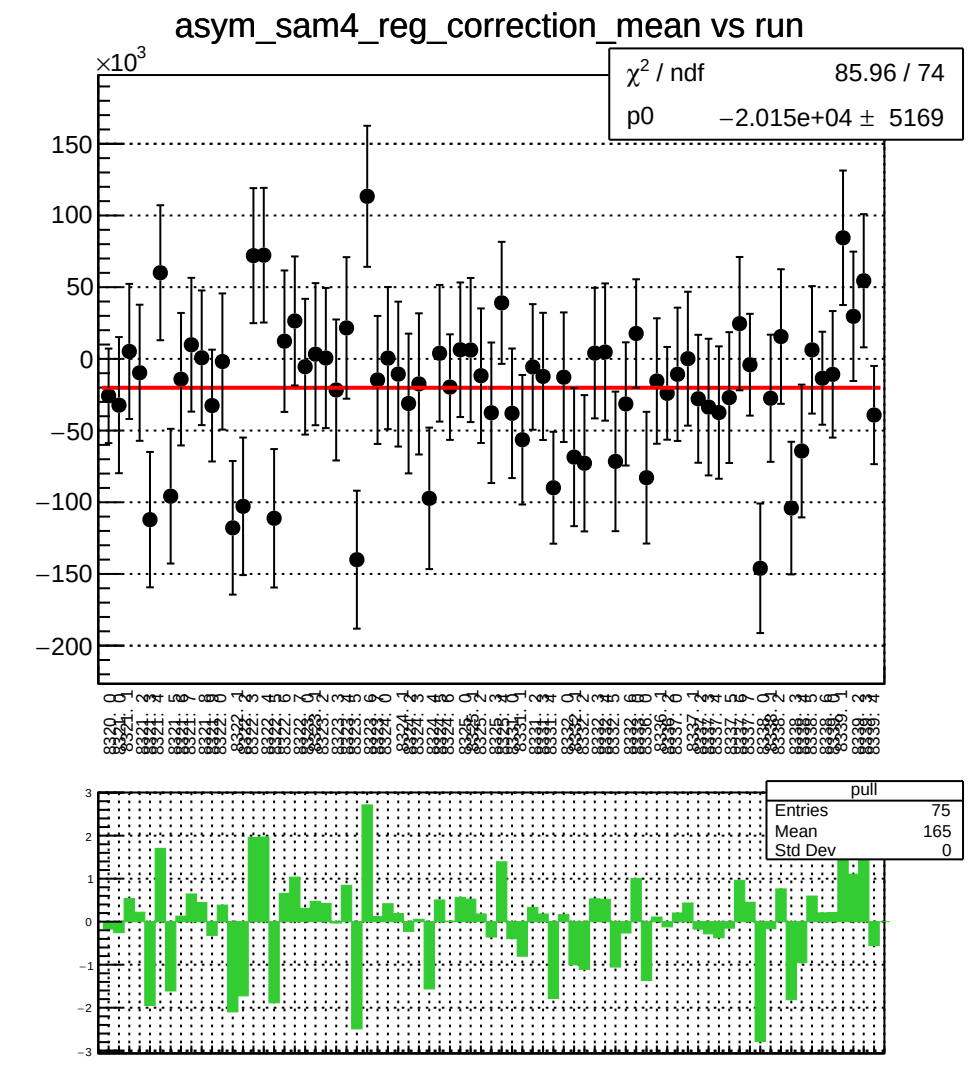

pull1D
Entries 75
Mean 0.03877
Std Dev 0.9877

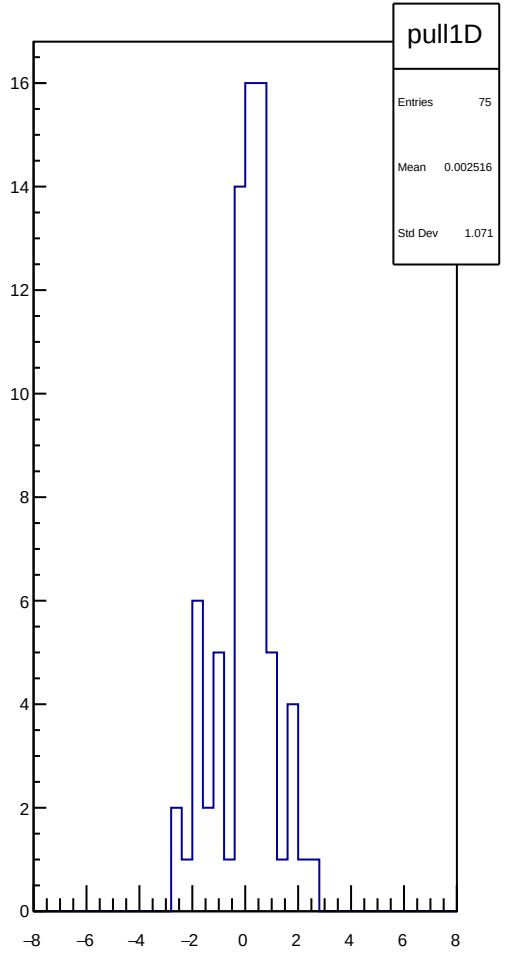

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
χ^2 / ndf 3.922e+05 / 74
p0 1.136e−10 ± 1.089e−13
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

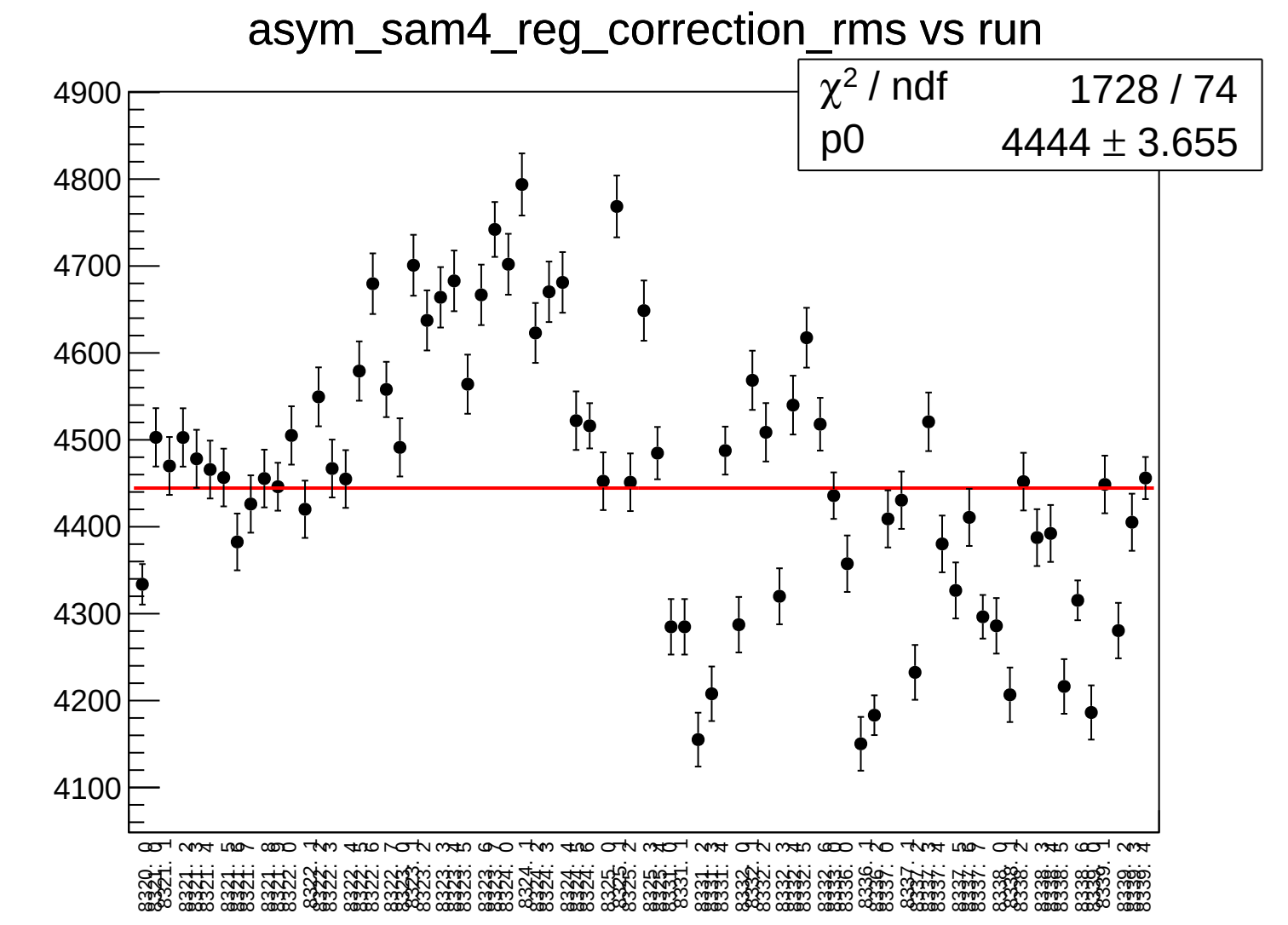

reg_asym_sam4_mean vs run
χ² / ndf 96.69 / 74
p0 816.6 ± 331.1
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −244.8
Std Dev 0
2
1
0
−1
−2

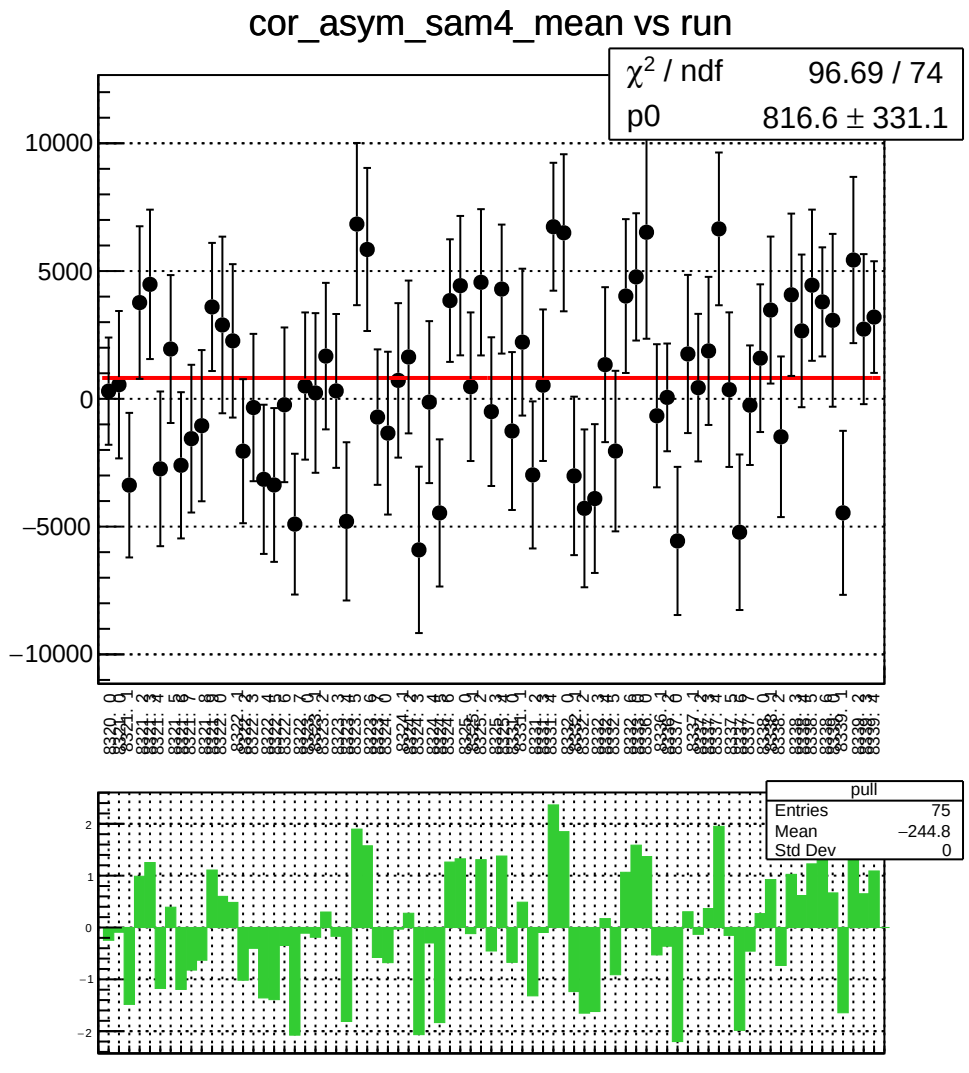

pull1D
Entries 75
Mean −0.01763
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

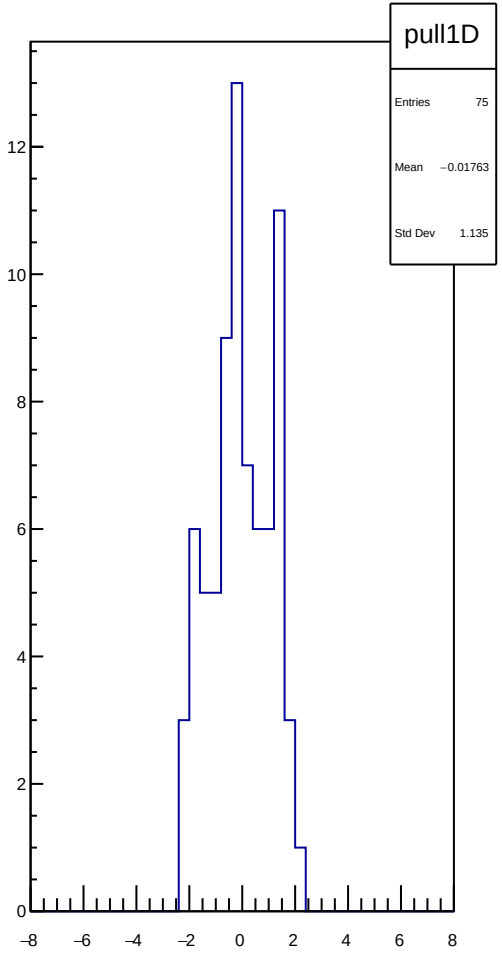

reg_asym_sam4_rms vs run
χ² / ndf 4245 / 74
p0 284.4 ± 0.2341
400
380
360
340
320
300
280
260

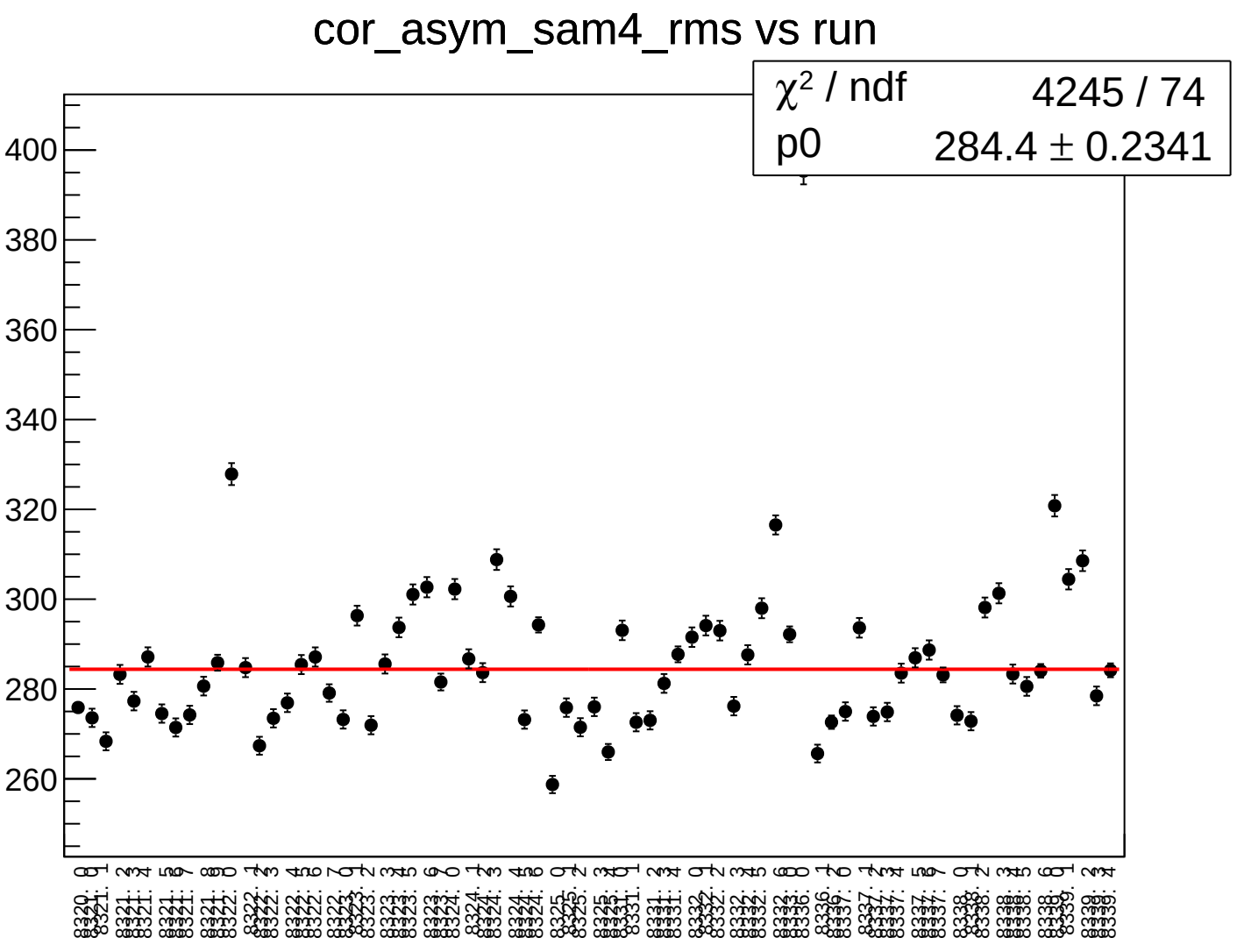

asym_sam4_reg_correction_mean vs run
×10^3
χ² / ndf 85.96 / 74
p0 −2.015e+04 ± 5169
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 165
Std Dev 0
3
2
1
0
−1
−2
−3

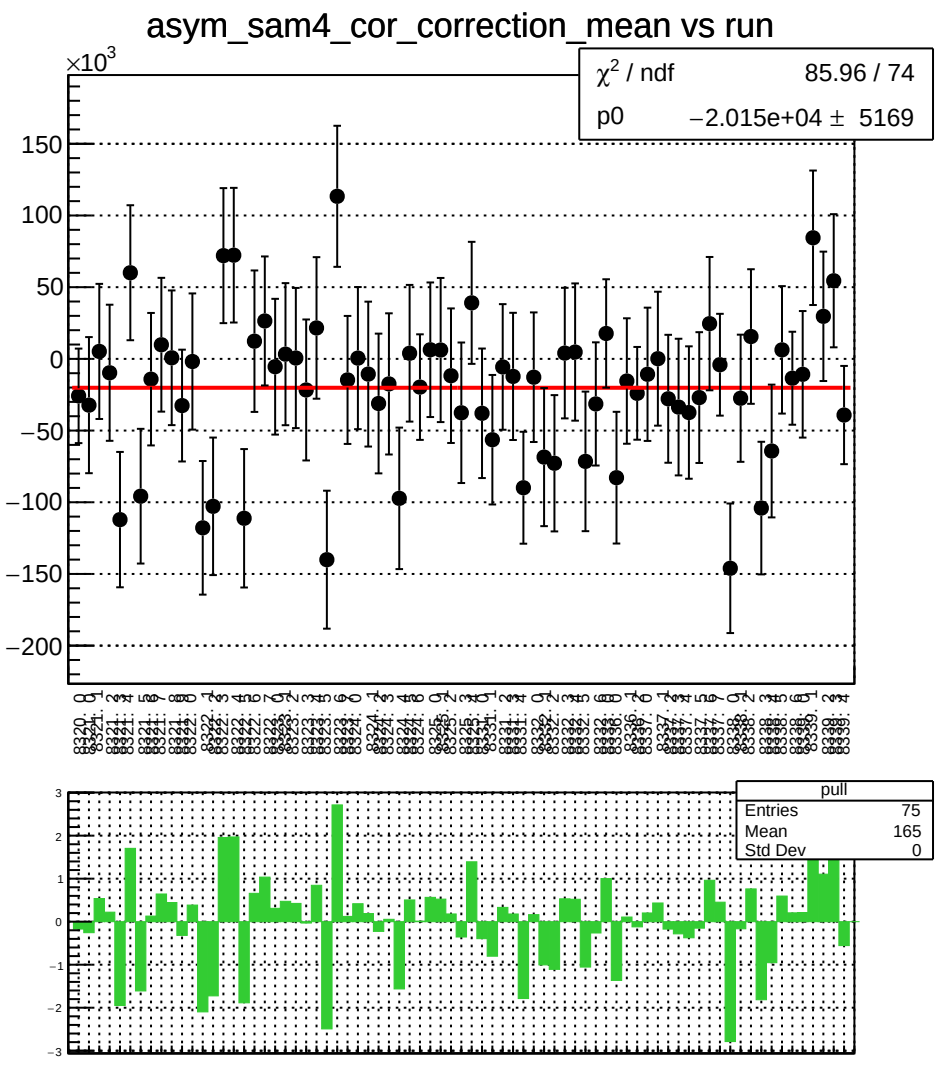

pull1D
Entries 75
Mean 0.002516
Std Dev 1.071
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

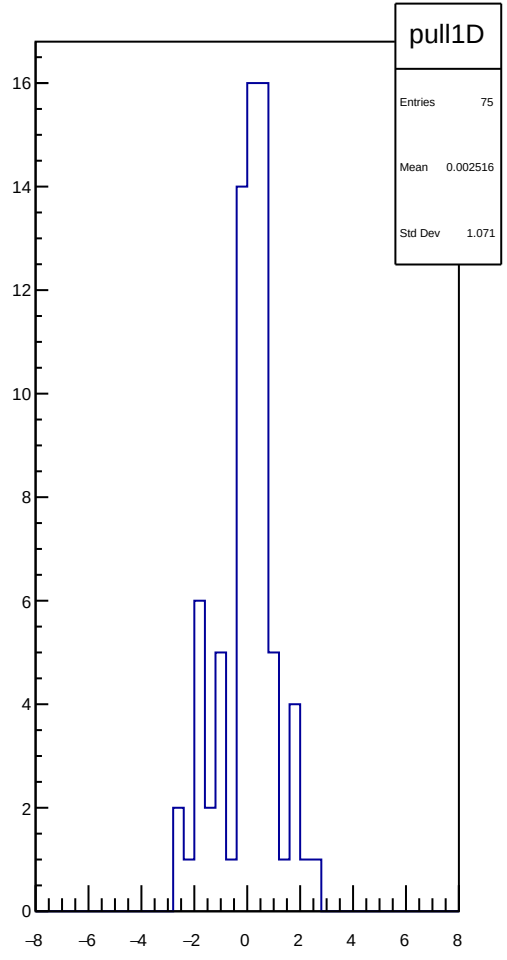

asym_sam4_reg_correction_rms vs run
χ² / ndf 1728 / 74
p0 4444 ± 3.655
4900
4800
4700
4600
4500
4400
4300
4200
4100

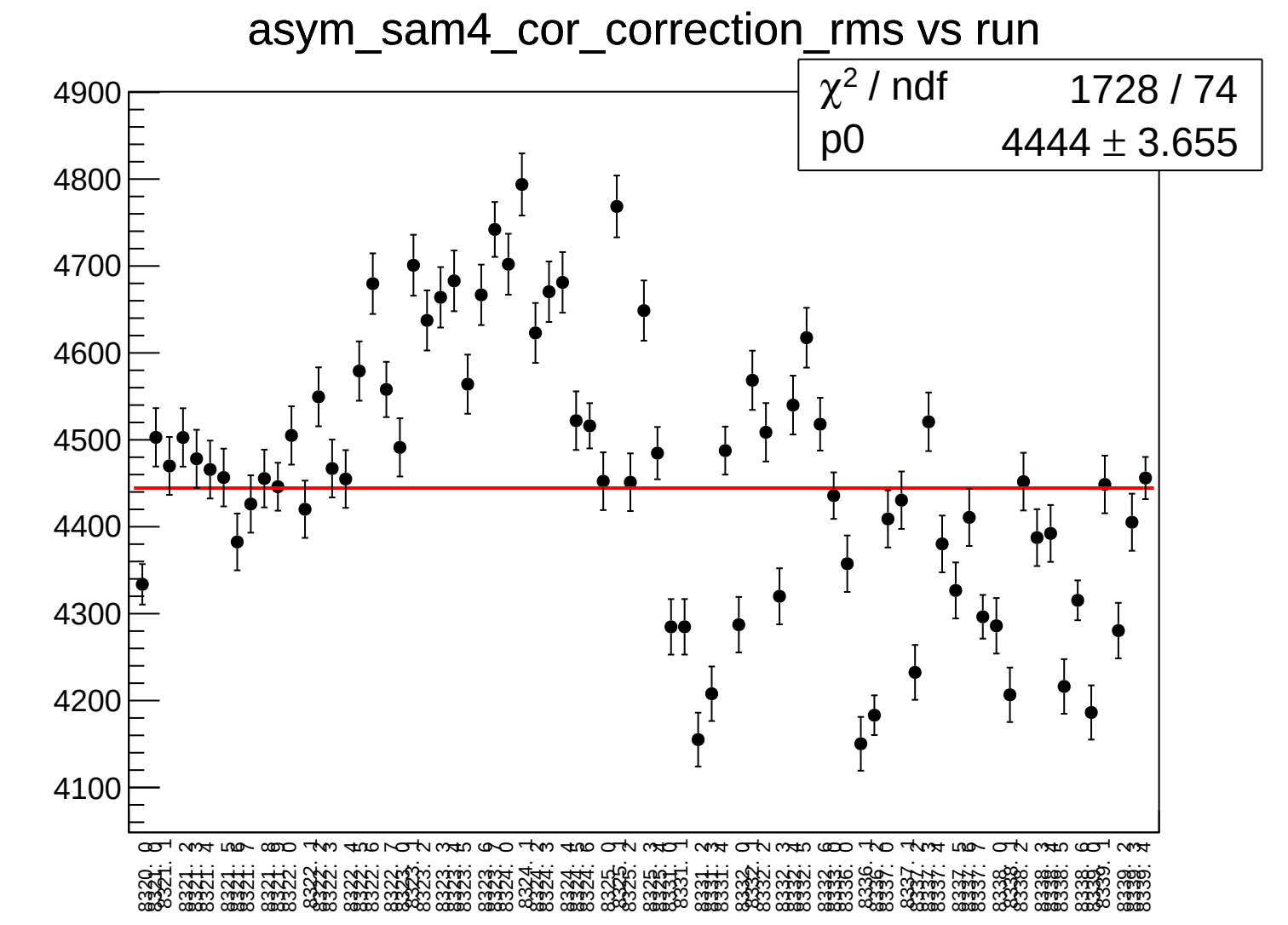

cor_asym_sam4_mean vs run
χ² / ndf 96.69 / 74
p0 816.6 ± 331.1
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −244.8
Std Dev 0
2
1
0
−1
−2

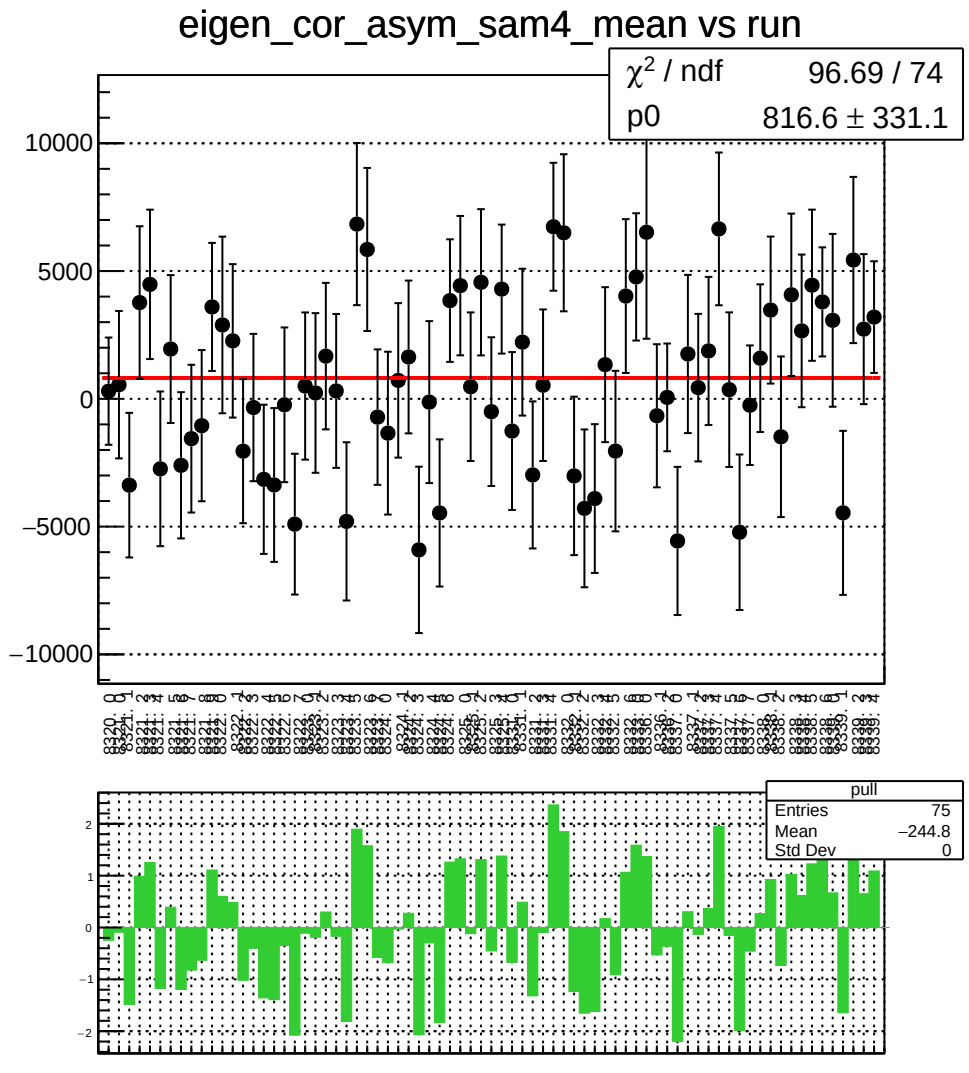

pull1D
Entries 75
Mean −0.01763
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

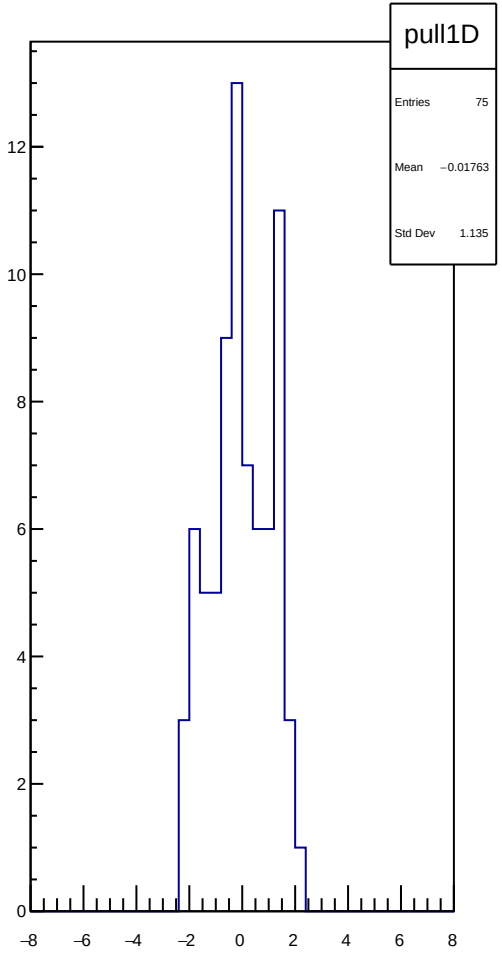

cor_asym_sam4_rms vs run
χ² / ndf 4245 / 74
p0 284.4 ± 0.2341
400
380
360
340
320
300
280
260

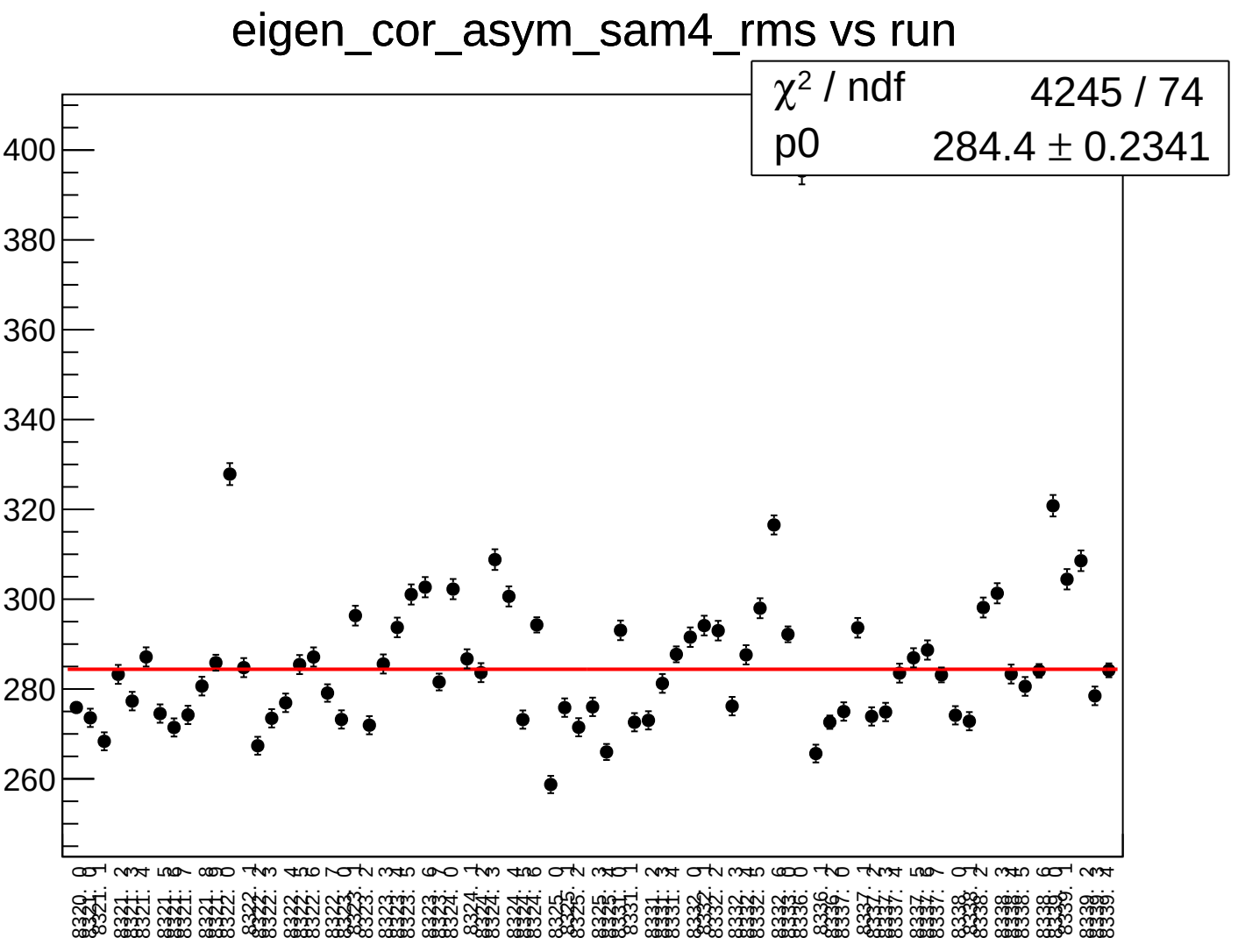

asym_sam4_cor_correction_mean vs run
×10^3
χ² / ndf 85.96 / 74
p0 −2.015e+04 ± 5169
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 165
Std Dev 0
3
2
1
0
−1
−2
−3

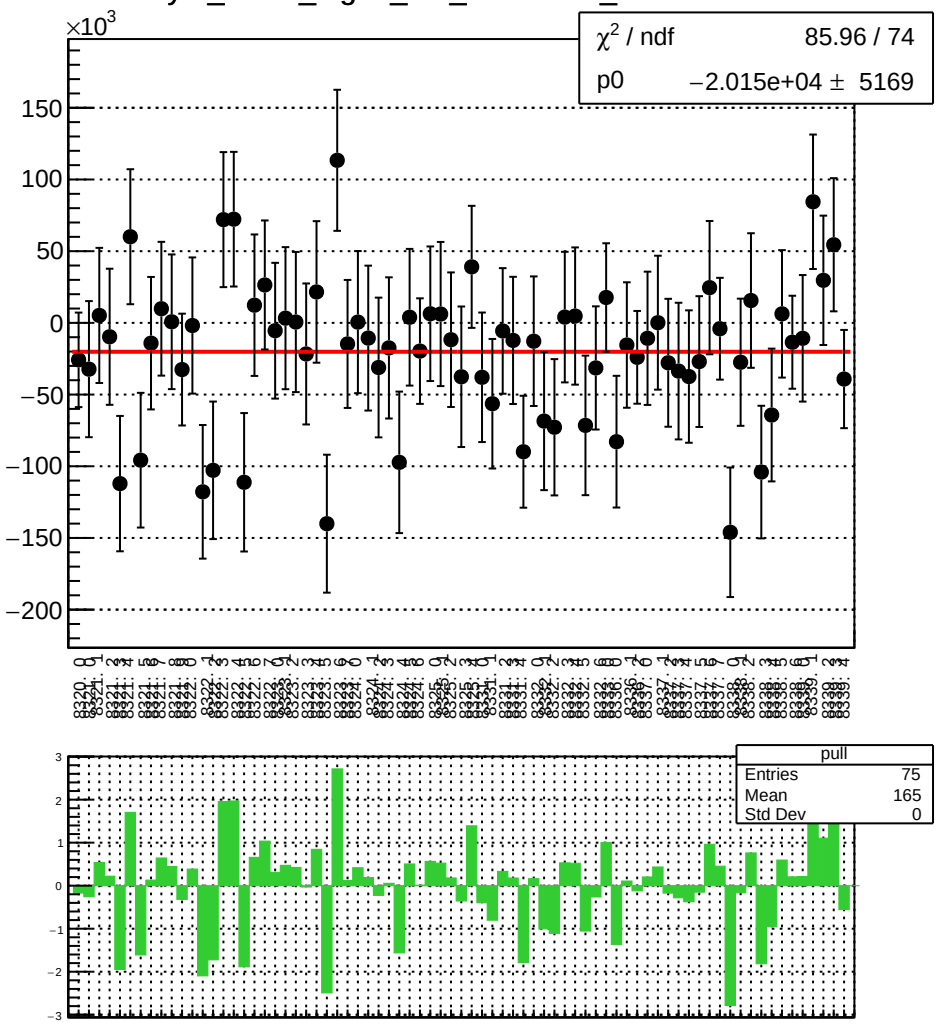

pull1D
Entries 75
Mean 0.002516
Std Dev 1.071
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

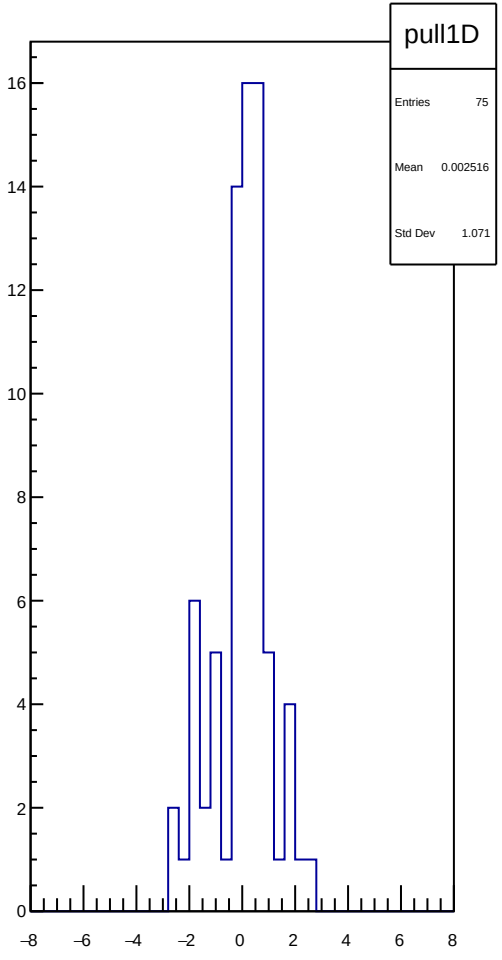

asym_sam4_cor_correction_rms vs run
χ² / ndf 1728 / 74
p0 4444 ± 3.655
4900
4800
4700
4600
4500
4400
4300
4200
4100

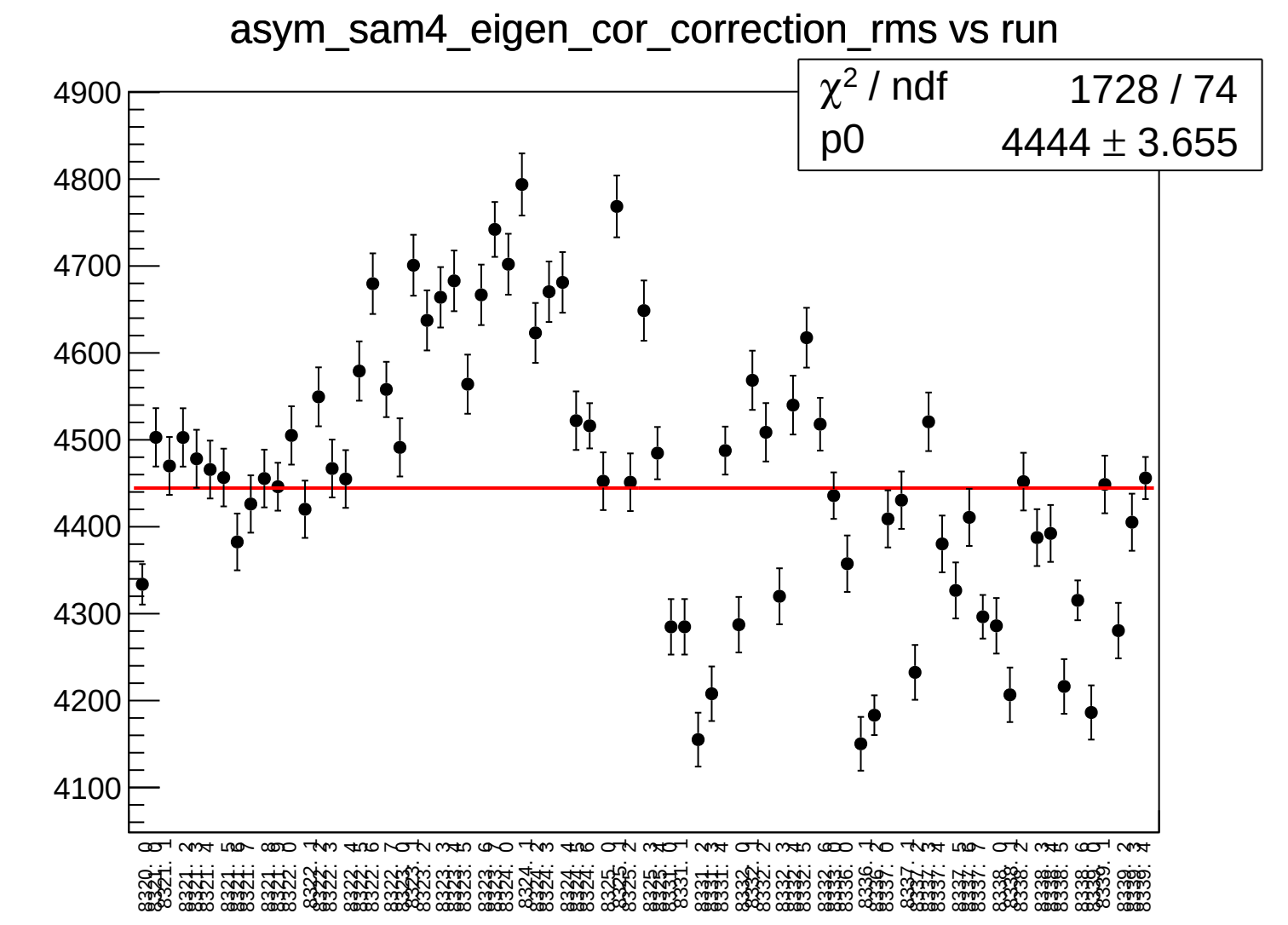

eigen_cor_asym_sam4_mean vs run
χ^2 / ndf 96.69 / 74
p0 816.6 ± 331.1
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −244.8
Std Dev 0
2
1
0
−1
−2

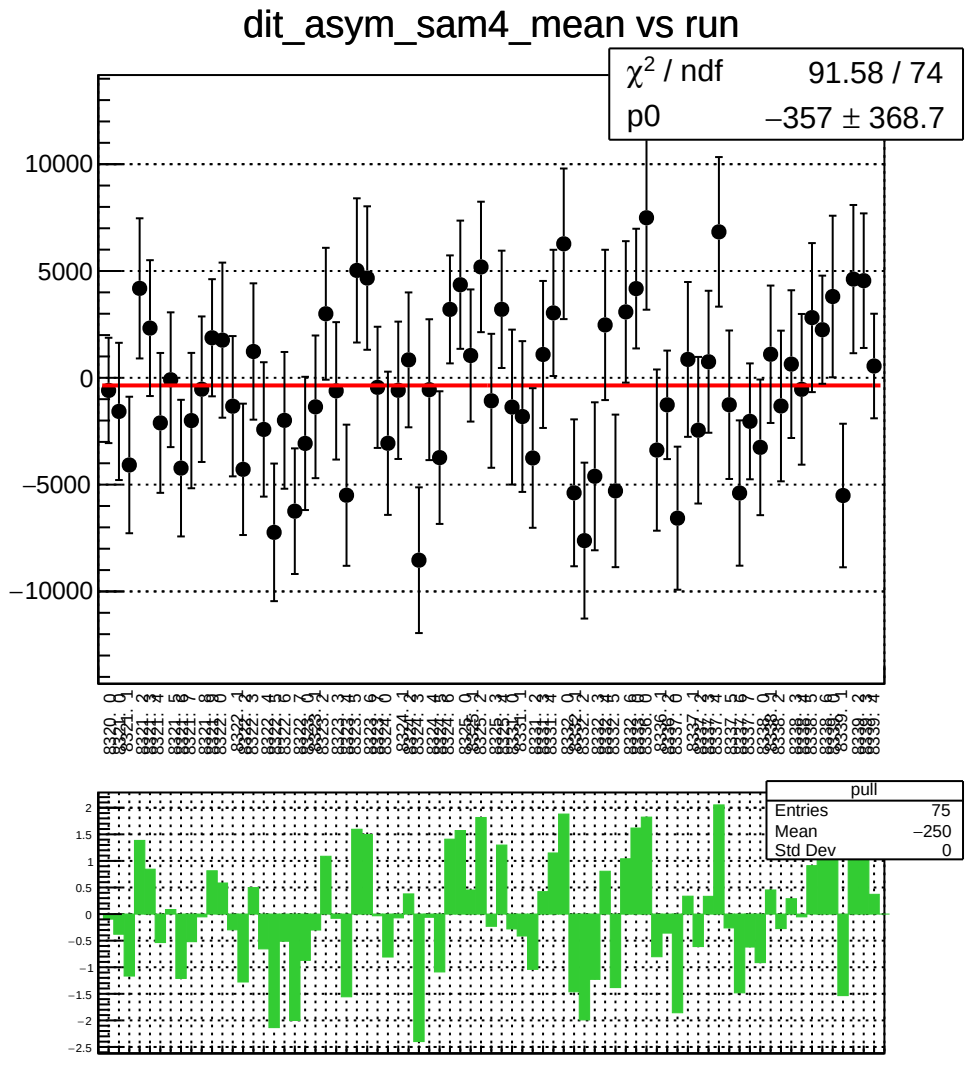

pull1D
Entries 75
Mean −0.01763
Std Dev 1.135
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

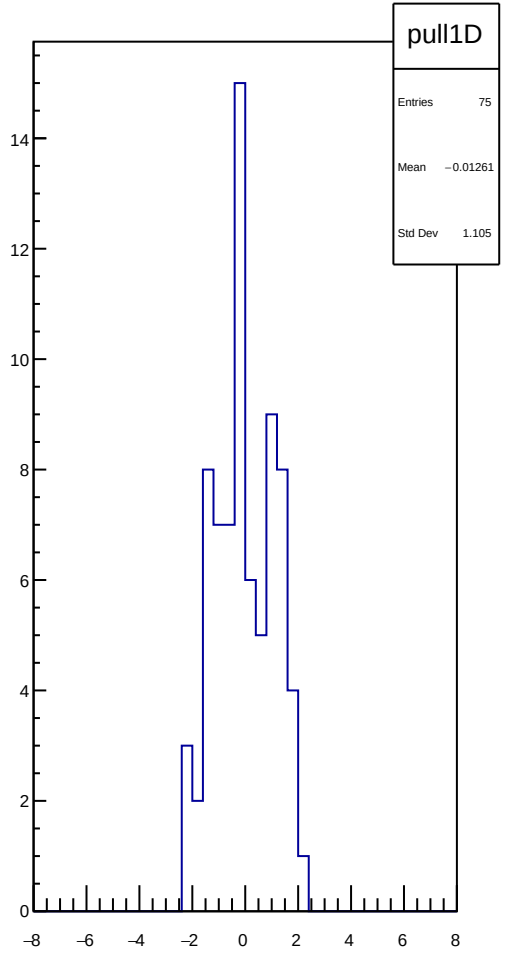

eigen_cor_asym_sam4_rms vs run
χ² / ndf 4245 / 74
p0 284.4 ± 0.2341
400
380
360
340
320
300
280
260

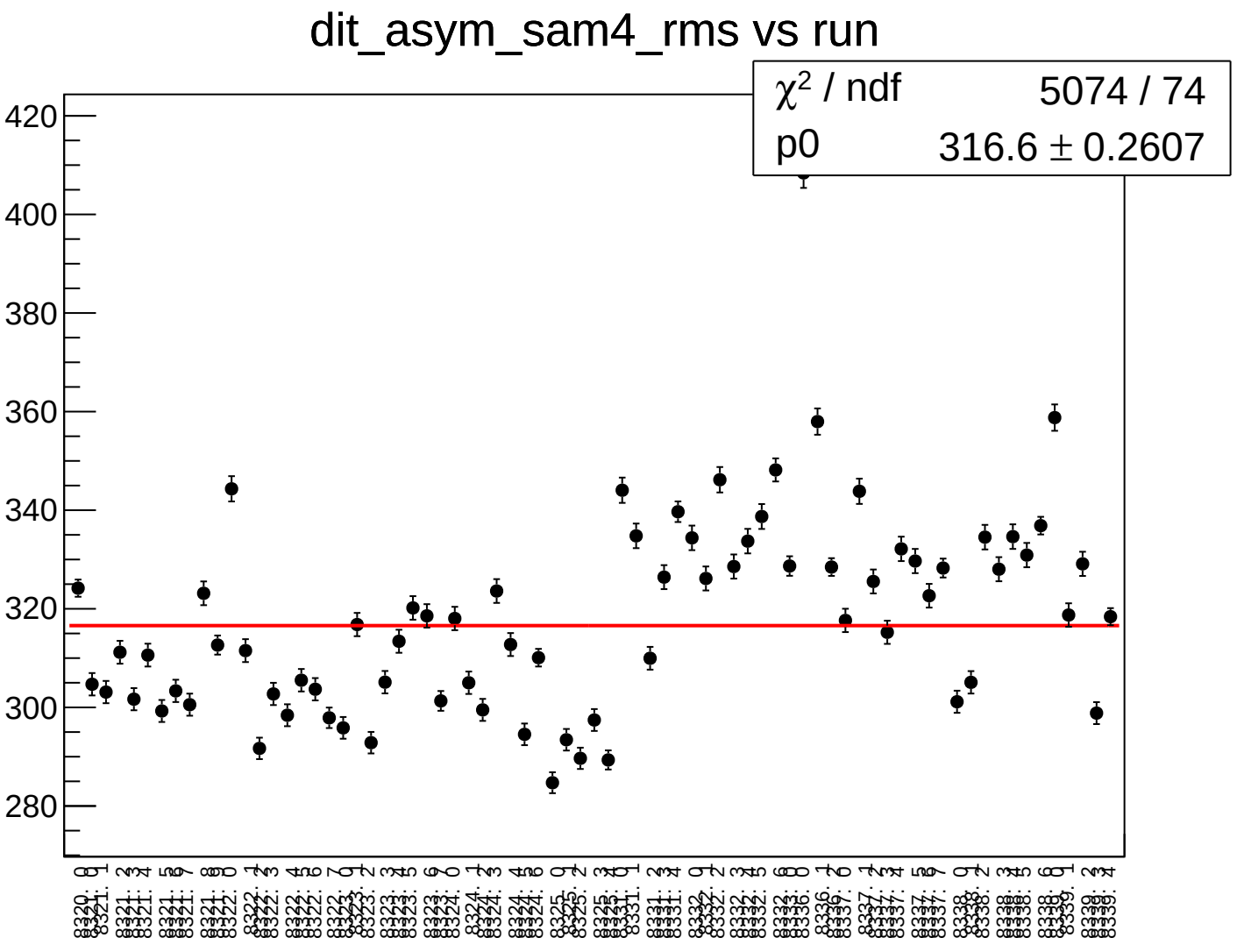

asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 85.96 / 74
p0 −2.015e+04 ± 5169
×10³
pull
Entries 75
Mean 165
Std Dev 0

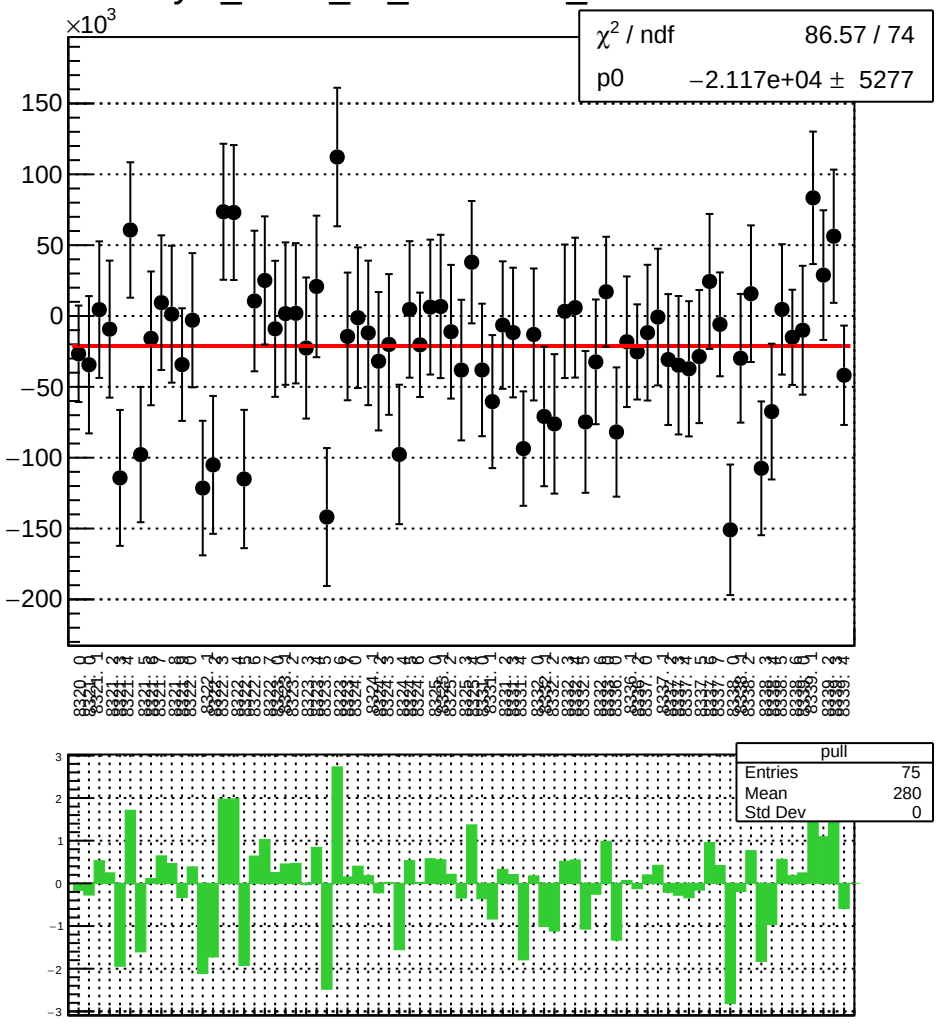

pull1D
Entries 75
Mean 0.002516
Std Dev 1.071

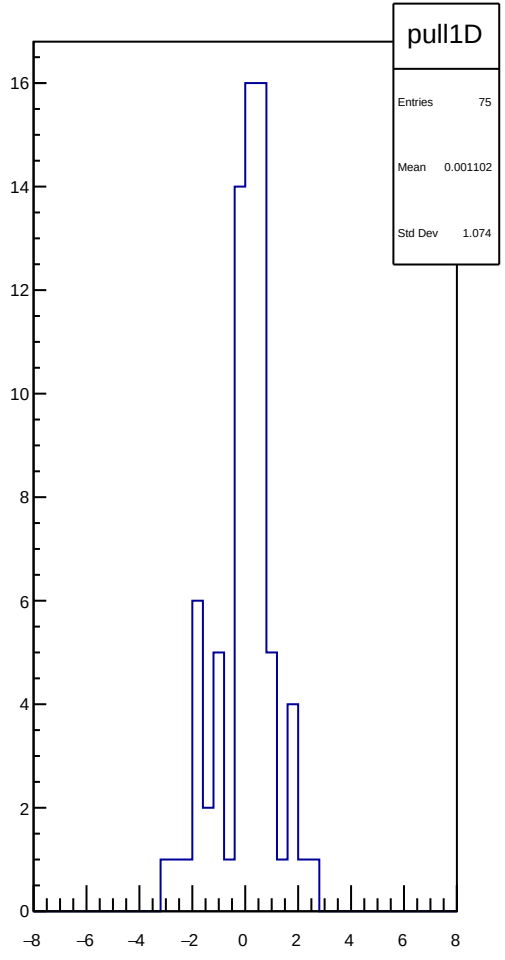

asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1728 / 74
p0 4444 ± 3.655
4900
4800
4700
4600
4500
4400
4300
4200
4100

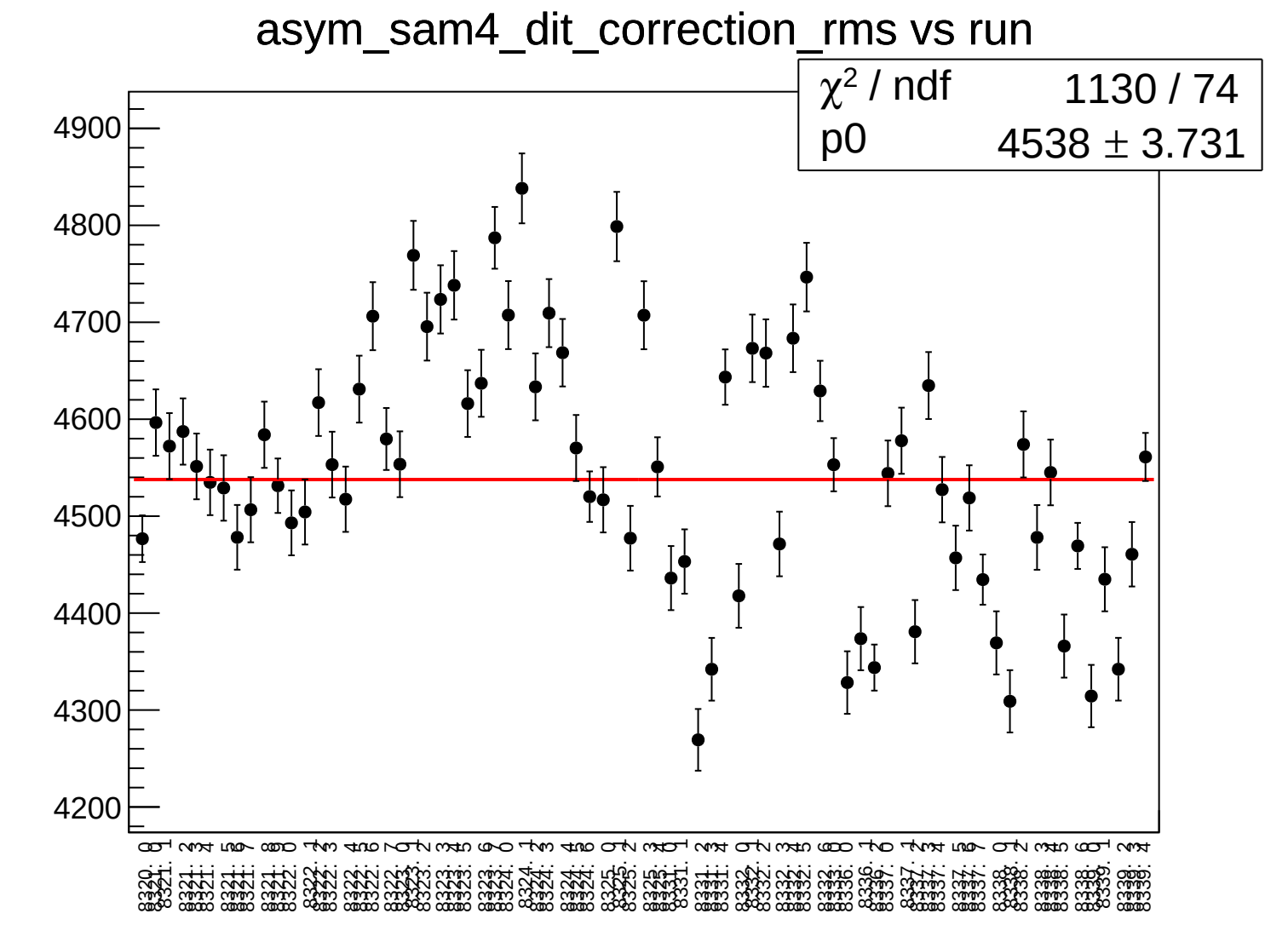

dit_asym_sam4_mean vs run
χ² / ndf 91.58 / 74
p0 −357 ± 368.7
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −250
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

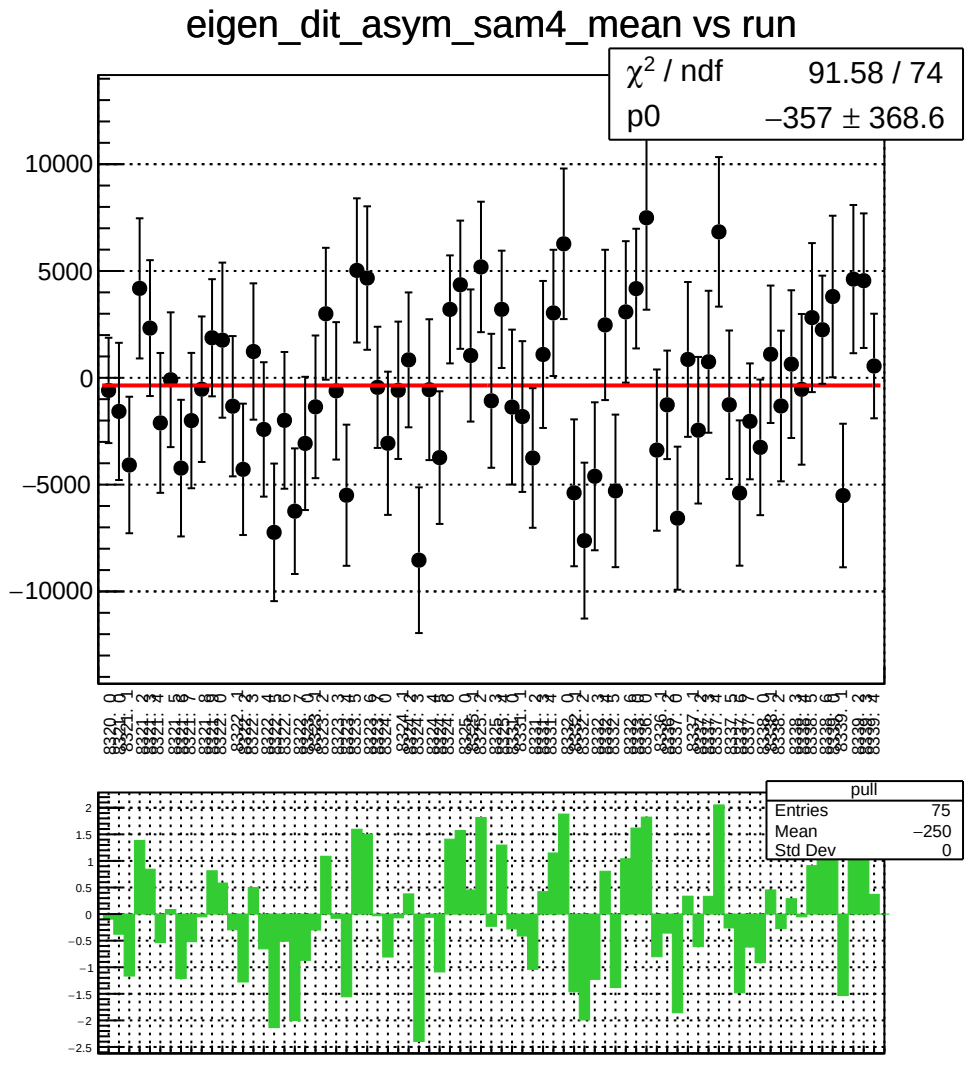

pull1D
Entries 75
Mean −0.01261
Std Dev 1.105
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

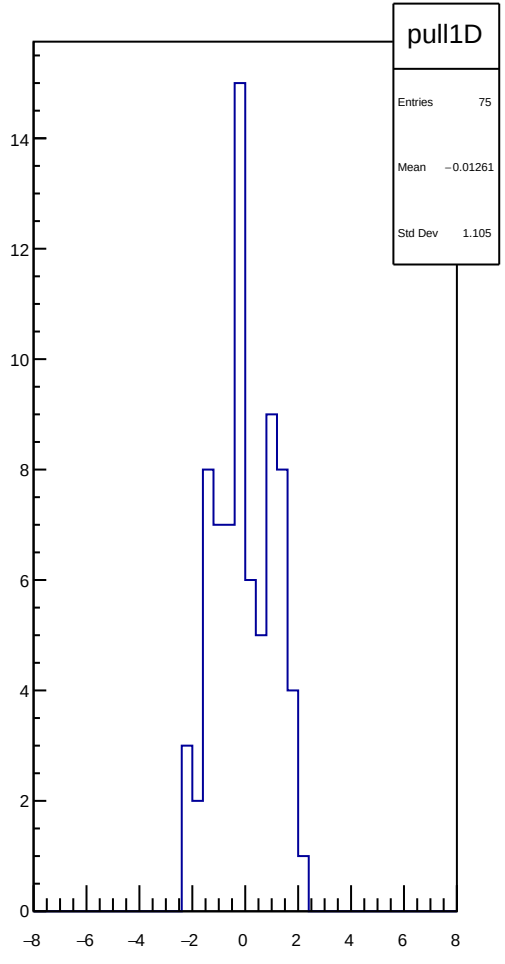

dit_asym_sam4_rms vs run
χ² / ndf 5074 / 74
p0 316.6 ± 0.2607
420
400
380
360
340
320
300
280

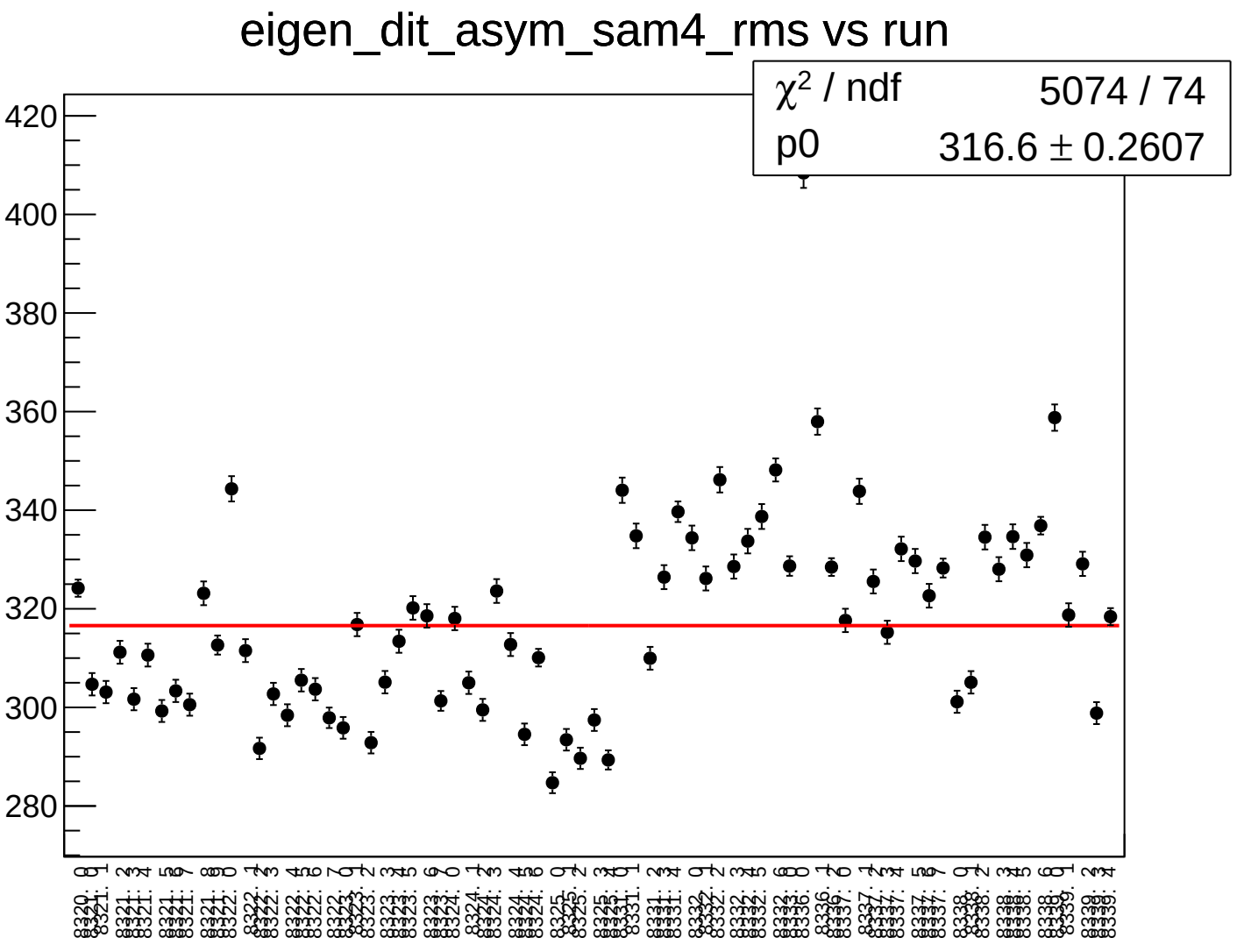

asym_sam4_dit_correction_mean vs run
×10^3
χ² / ndf 86.57 / 74
p0 −2.117e+04 ± 5277
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 280
Std Dev 0
3
2
1
0
−1
−2
−3

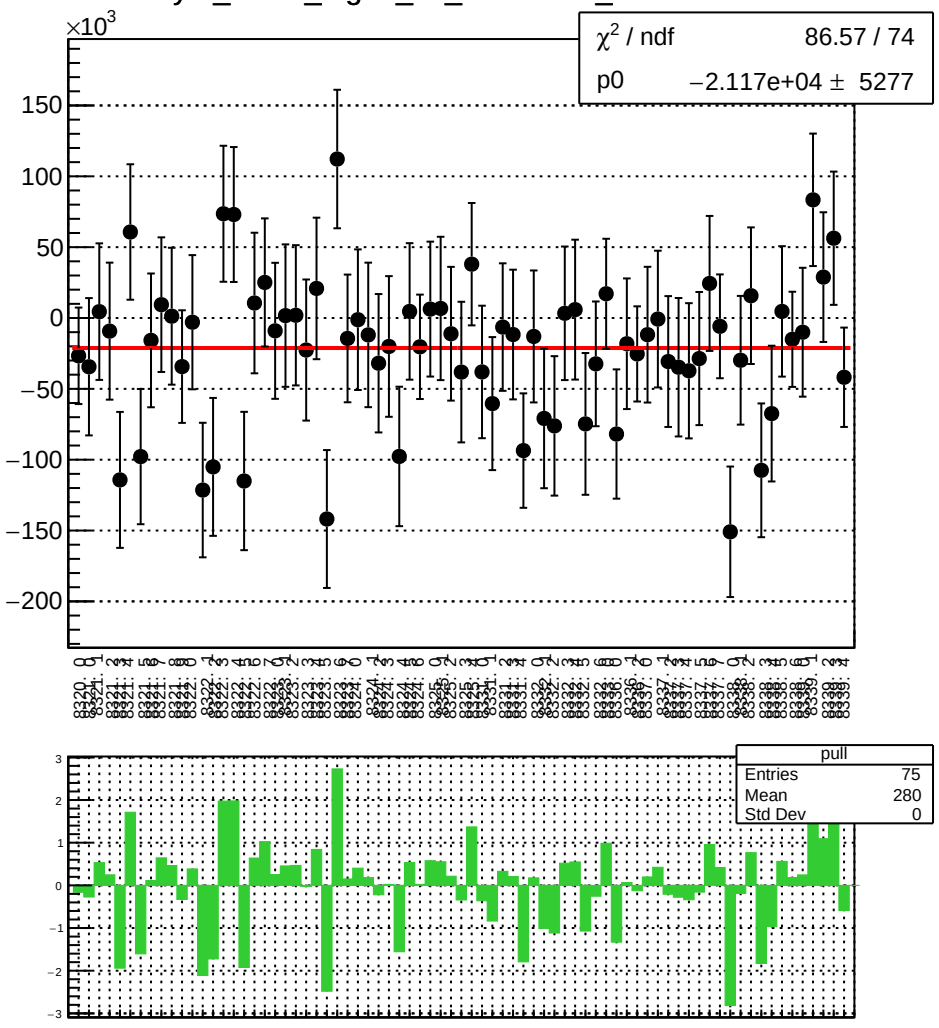

pull1D
Entries 75
Mean 0.001102
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

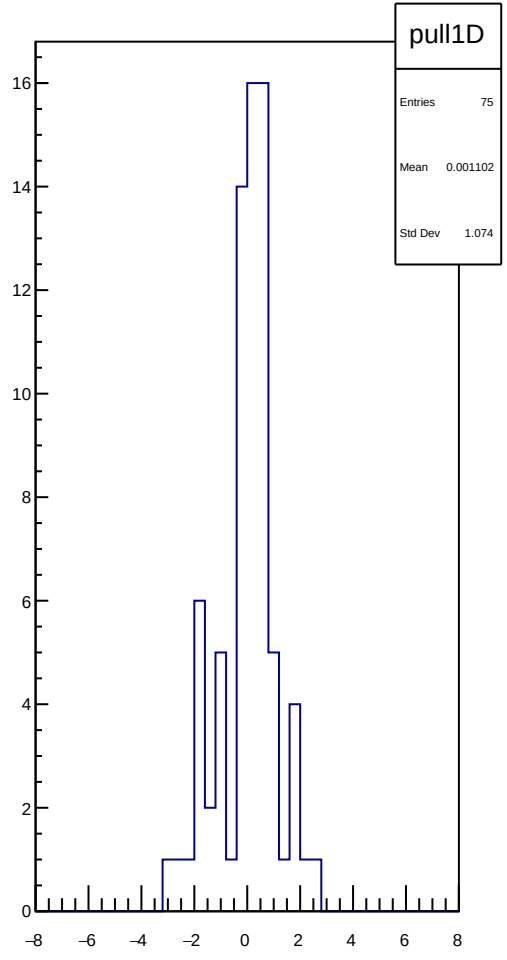

asym_sam4_dit_correction_rms vs run
χ² / ndf 1130 / 74
p0 4538 ± 3.731
4900
4800
4700
4600
4500
4400
4300
4200

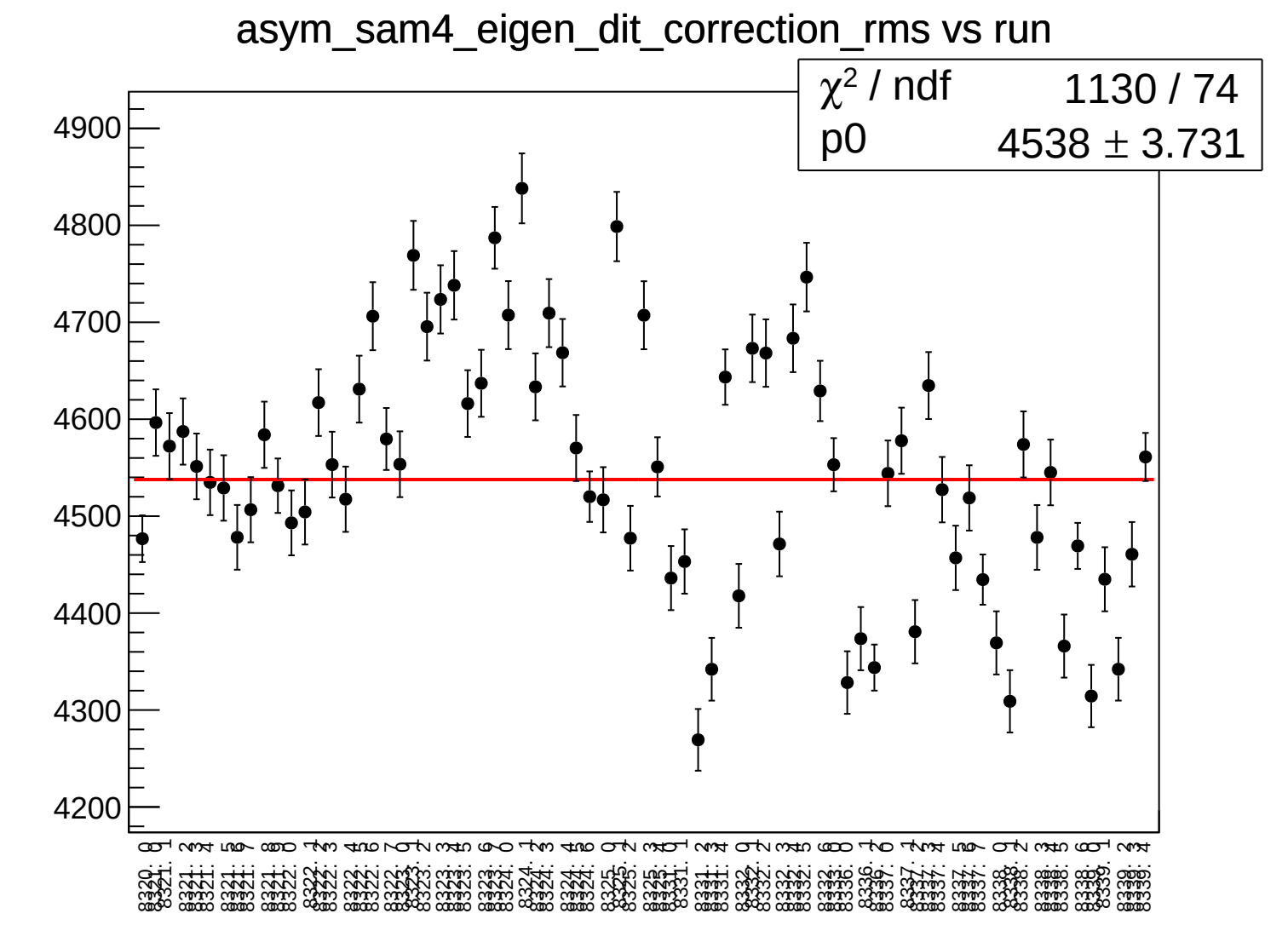

eigen_dit_asym_sam4_mean vs run
χ² / ndf 91.58 / 74
p0 −357 ± 368.6
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −250
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

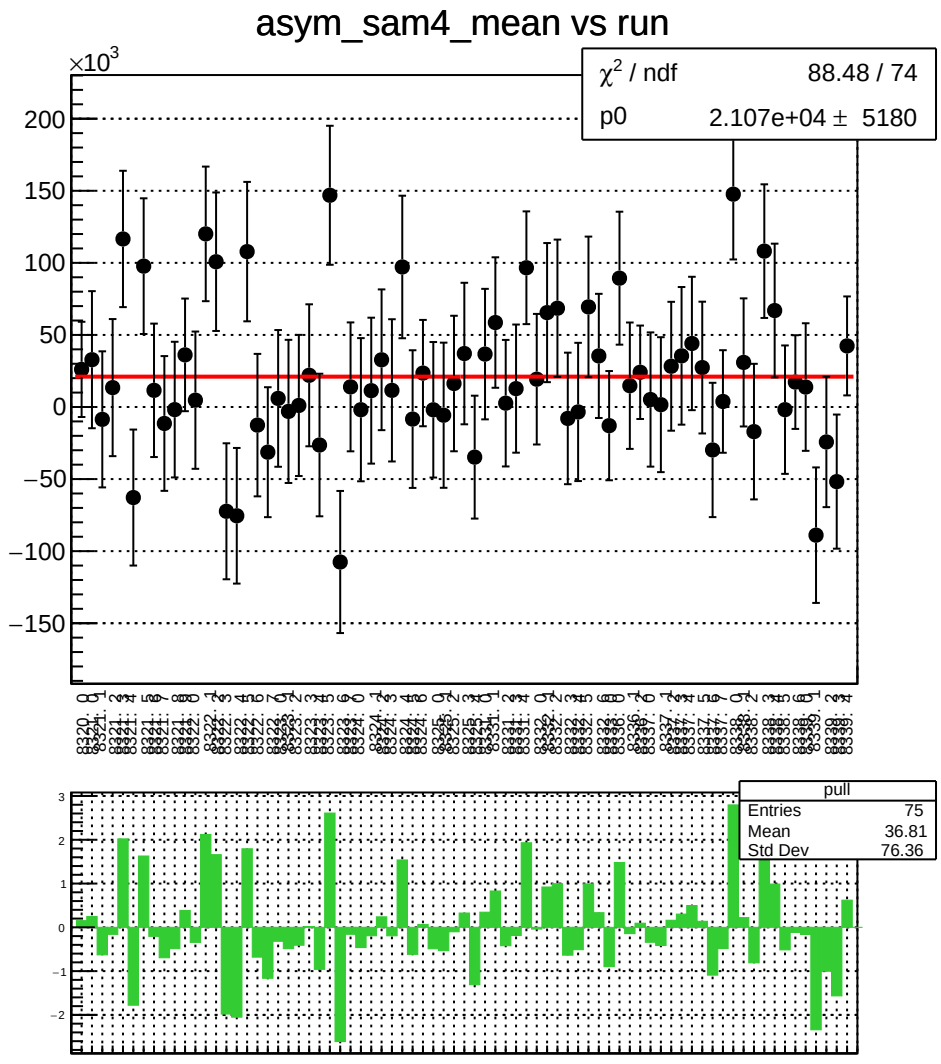

pull1D
Entries 75
Mean −0.01261
Std Dev 1.105
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

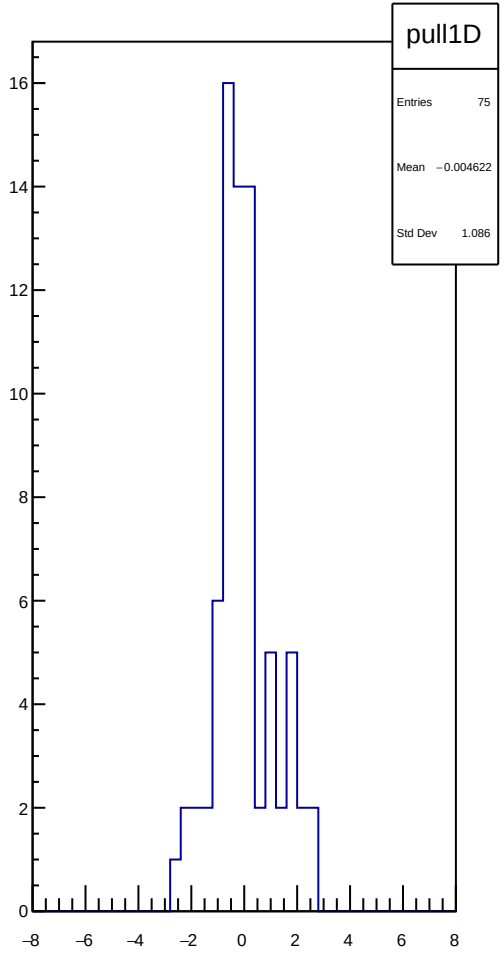

eigen_dit_asym_sam4_rms vs run
χ² / ndf 5074 / 74
p0 316.6 ± 0.2607
420
400
380
360
340
320
300
280

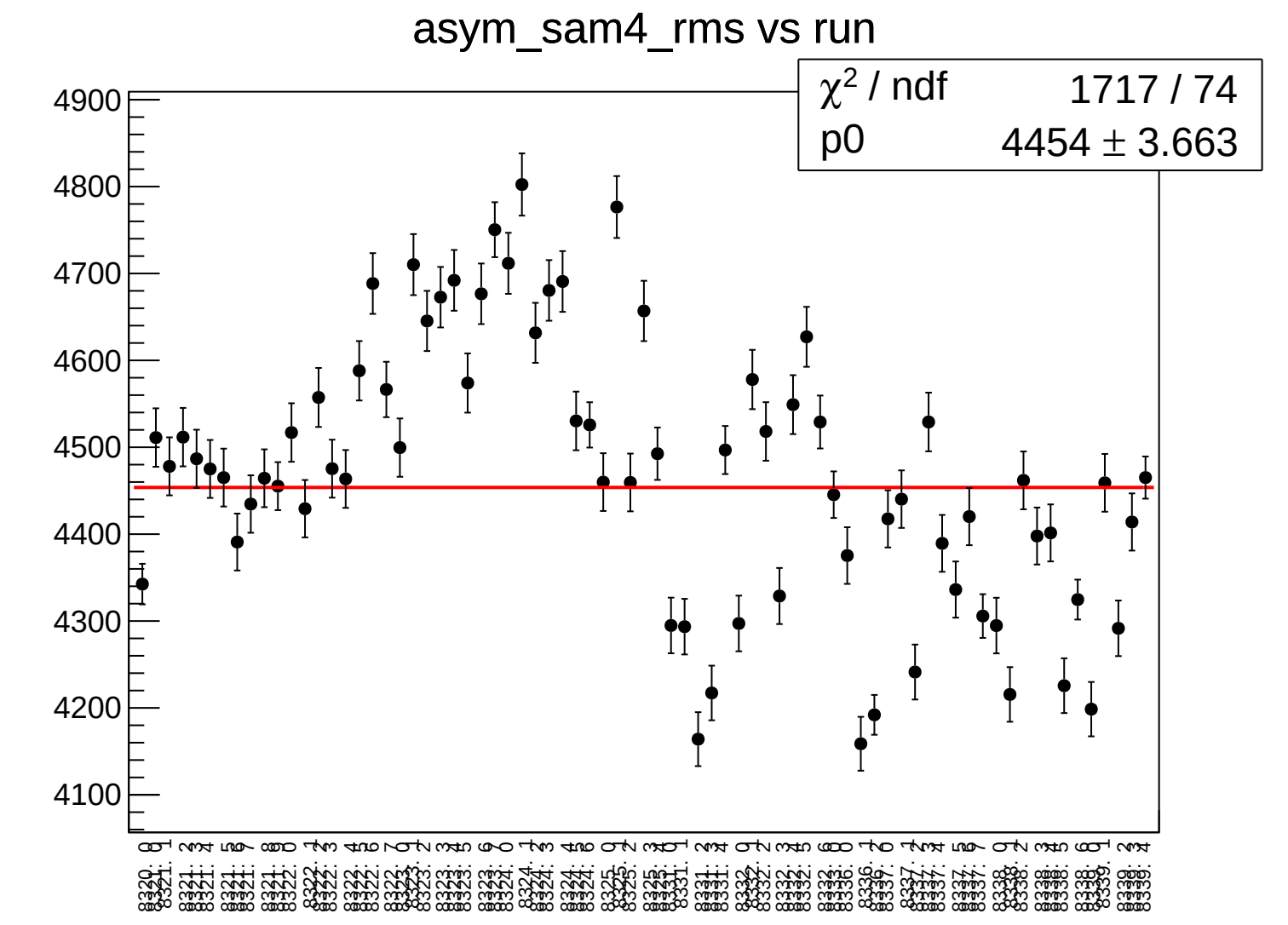

asym_sam4_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 86.57 / 74
p0 −2.117e+04 ± 5277
150
100
50
0
−50
−100
−150
−200
pull
Entries 75
Mean 280
Std Dev 0
3
2
1
0
−1
−2
−3

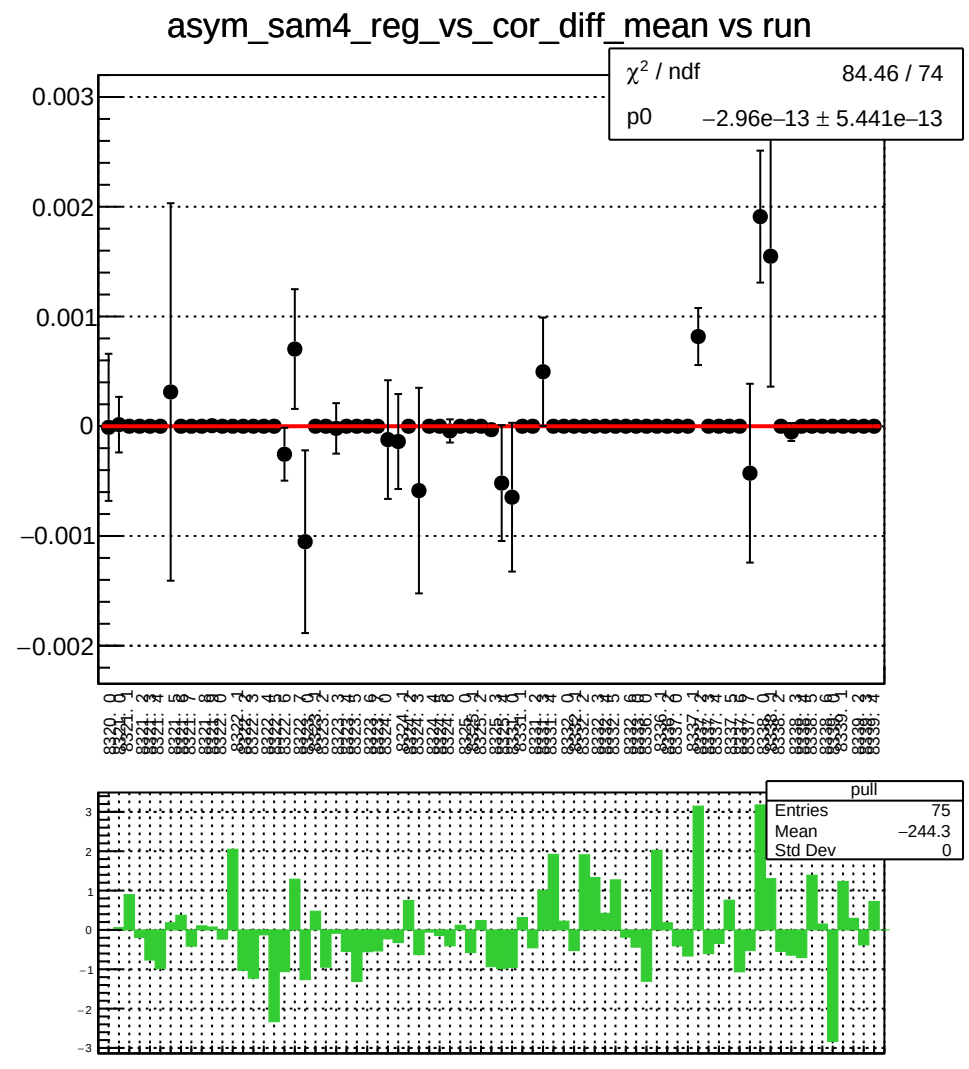

pull1D
Entries 75
Mean 0.001102
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

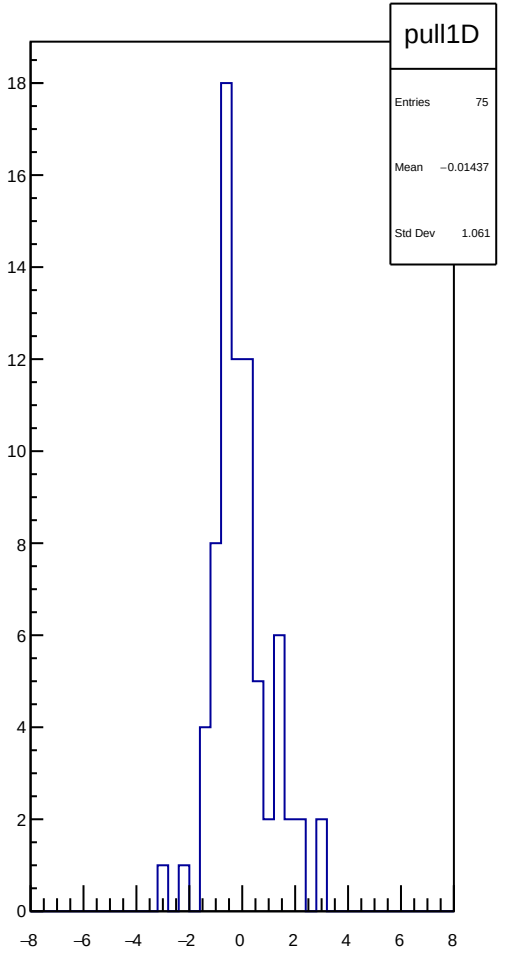

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1130 / 74
p0 4538 ± 3.731
4900
4800
4700
4600
4500
4400
4300
4200

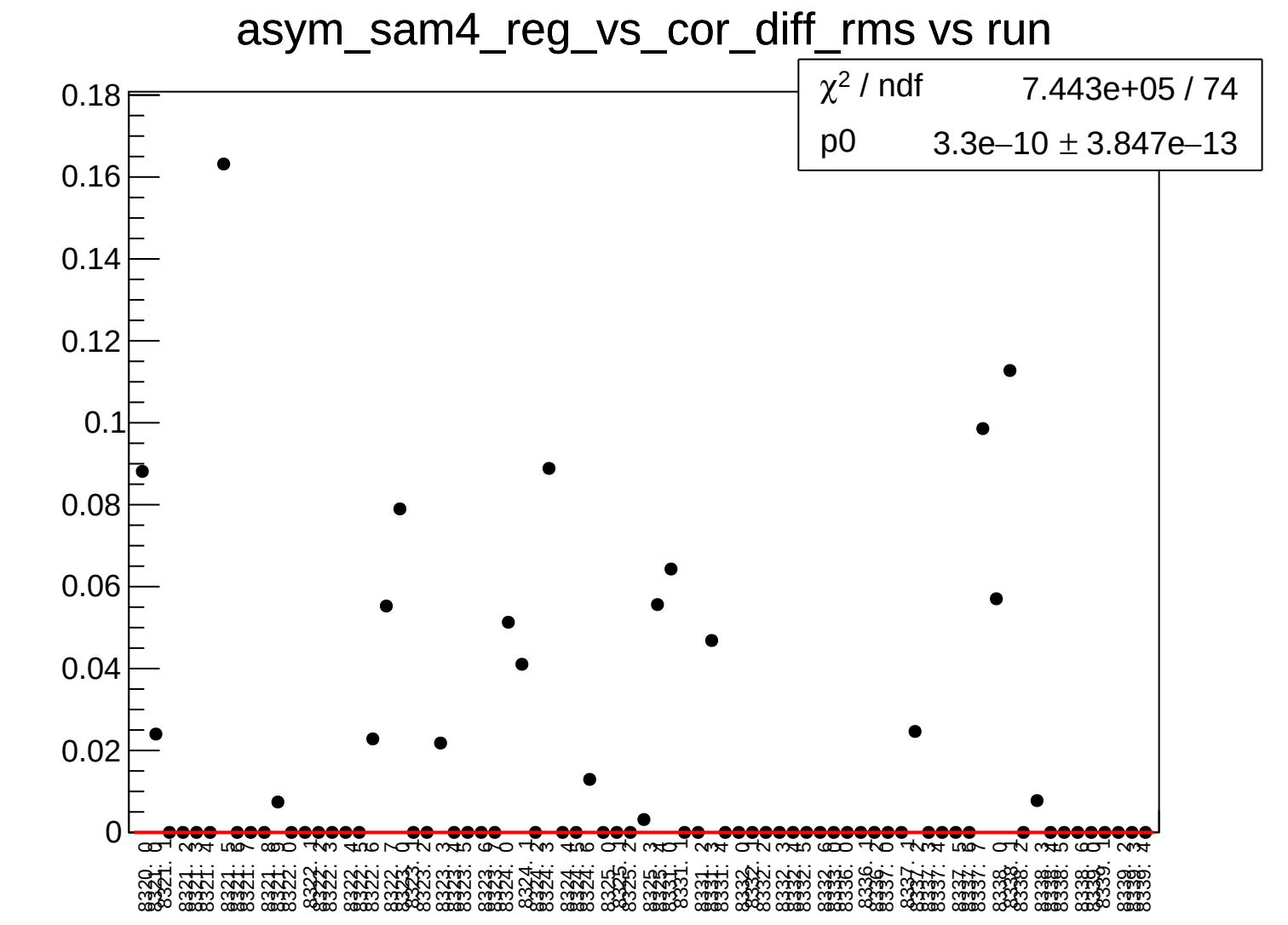

asym_sam4_mean vs run
×10^3
χ² / ndf 88.48 / 74
p0 2.107e+04 ± 5180
pull
Entries 75
Mean 36.81
Std Dev 76.36

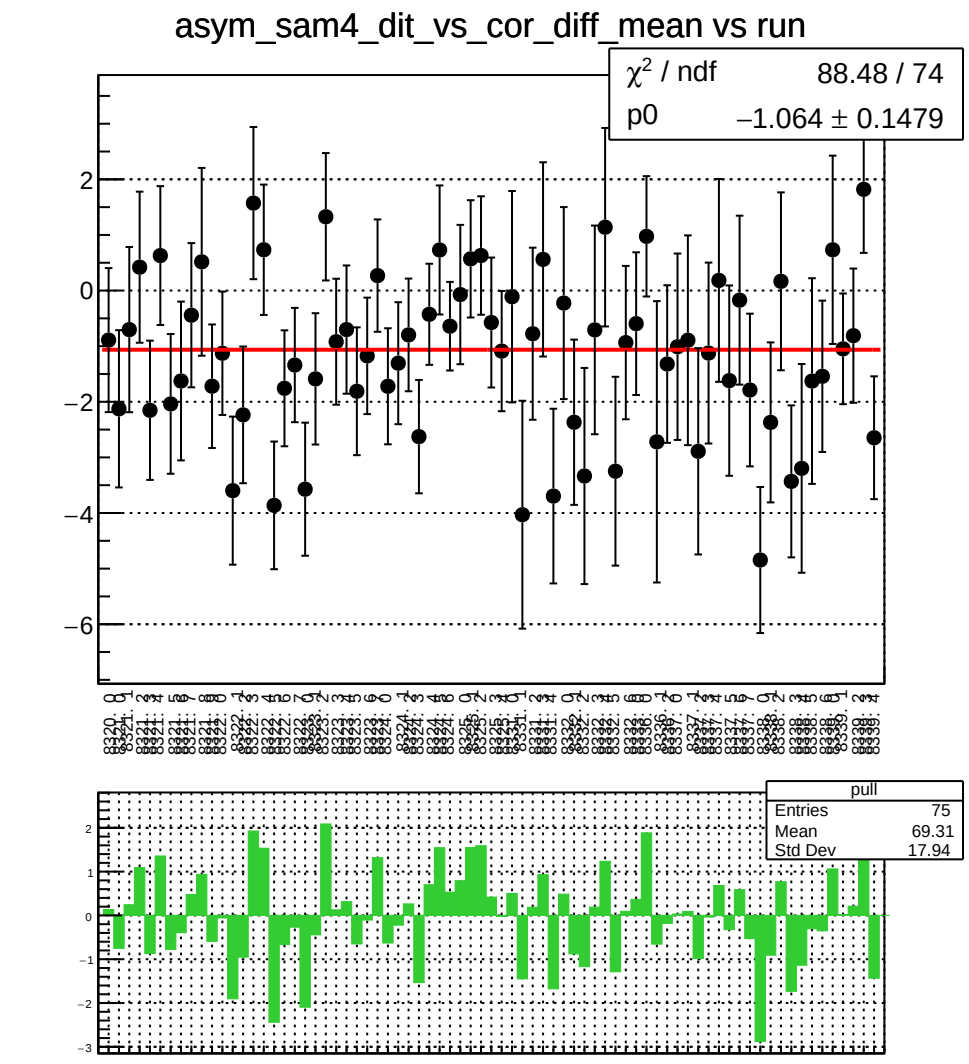

pull1D
Entries 75
Mean −0.004622
Std Dev 1.086

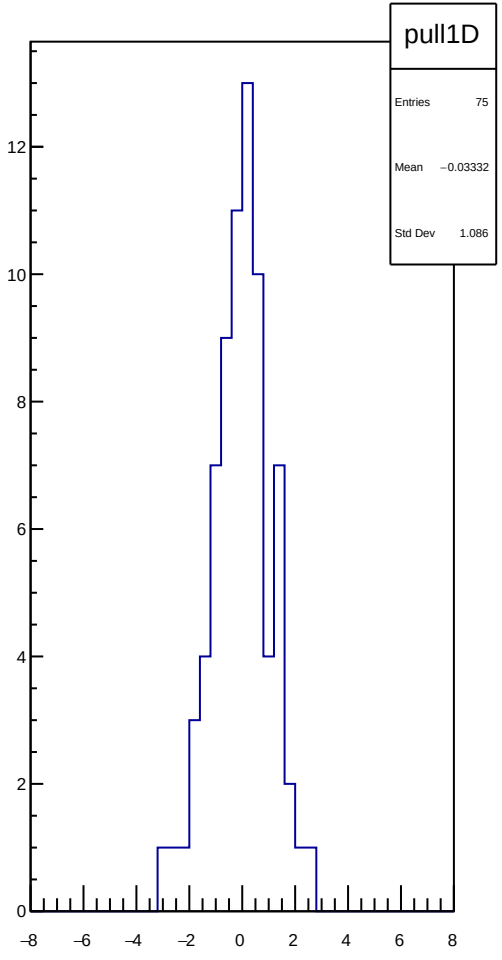

asym_sam4_rms vs run
χ² / ndf 1717 / 74
p0 4454 ± 3.663
4900
4800
4700
4600
4500
4400
4300
4200
4100

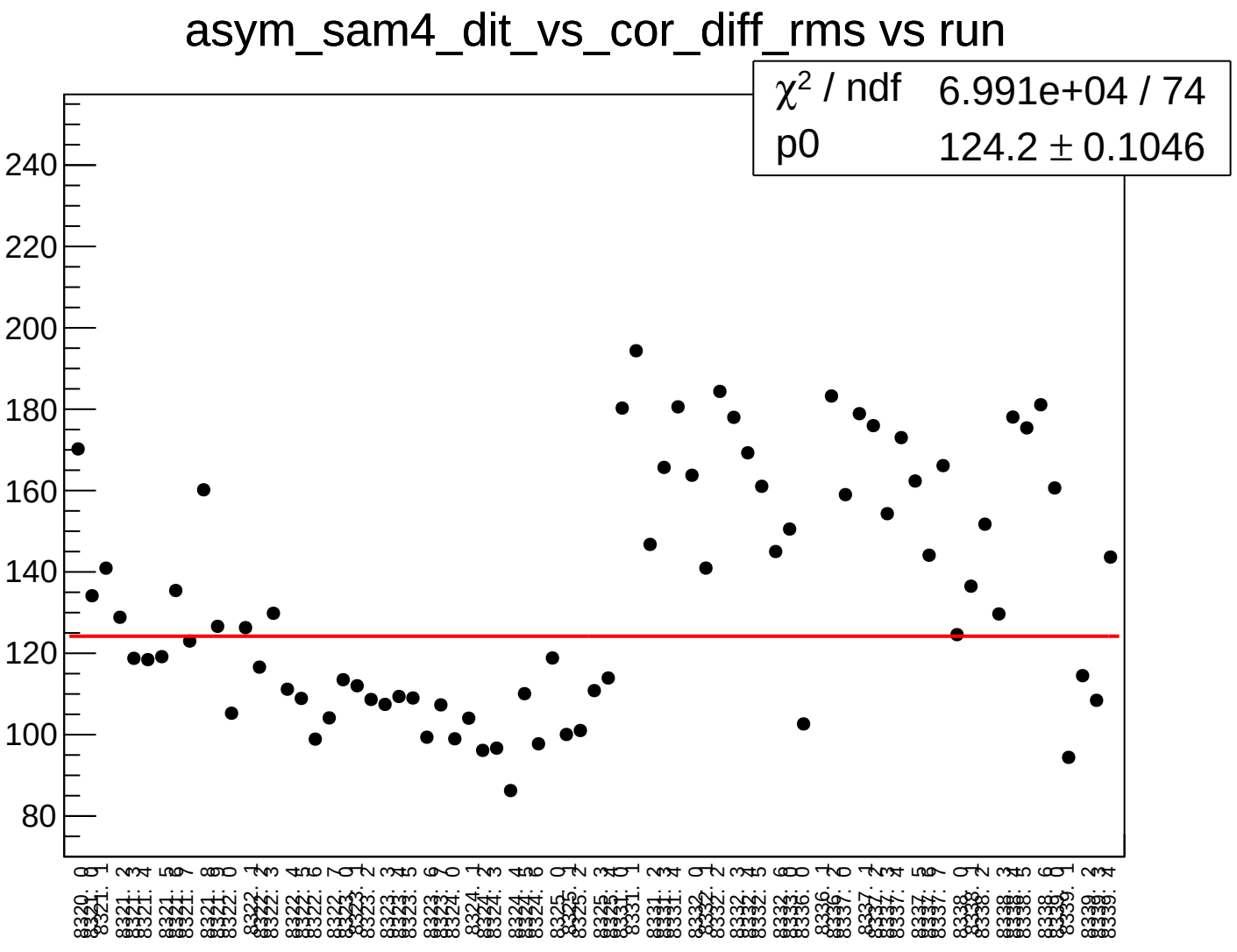

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 84.46 / 74
p0 −2.96e−13 ± 5.441e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 75
Mean −244.3
Std Dev 0
3
2
1
0
−1
−2
−3

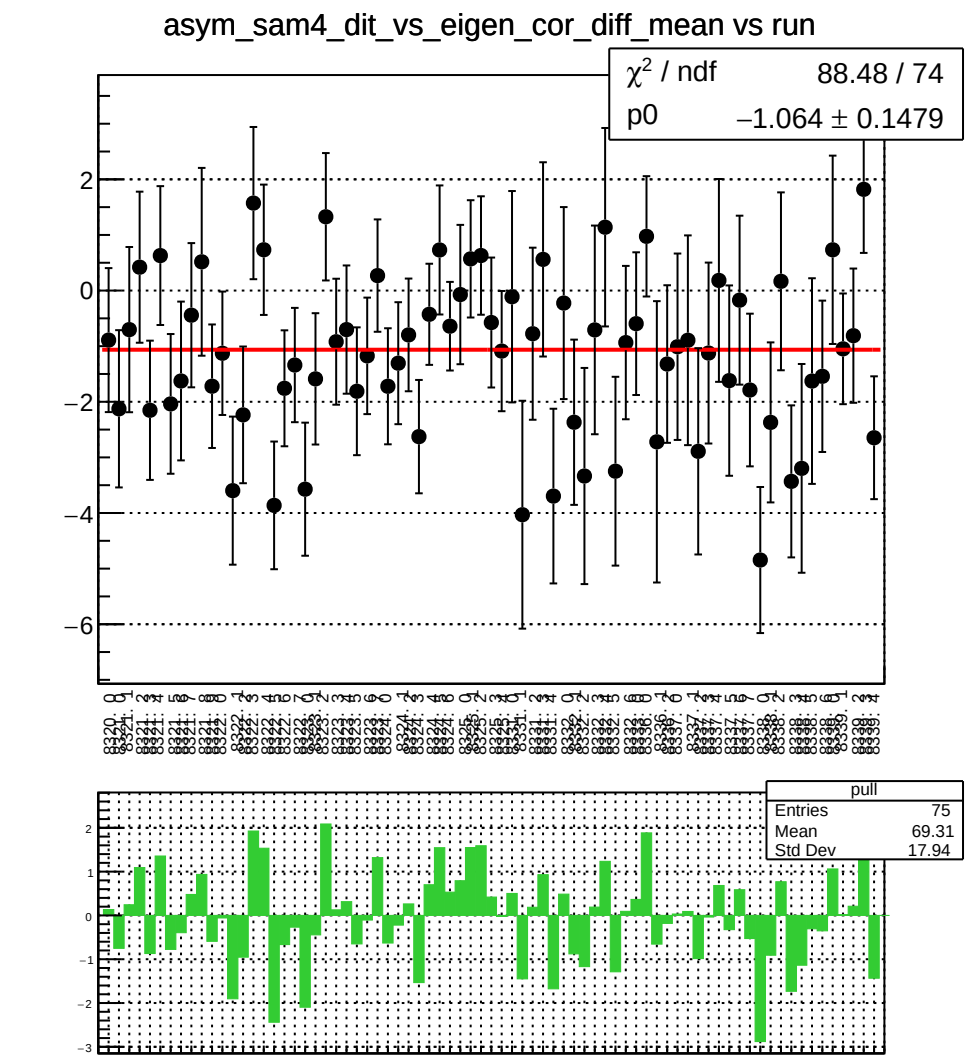

pull1D
Entries 75
Mean −0.01437
Std Dev 1.061
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

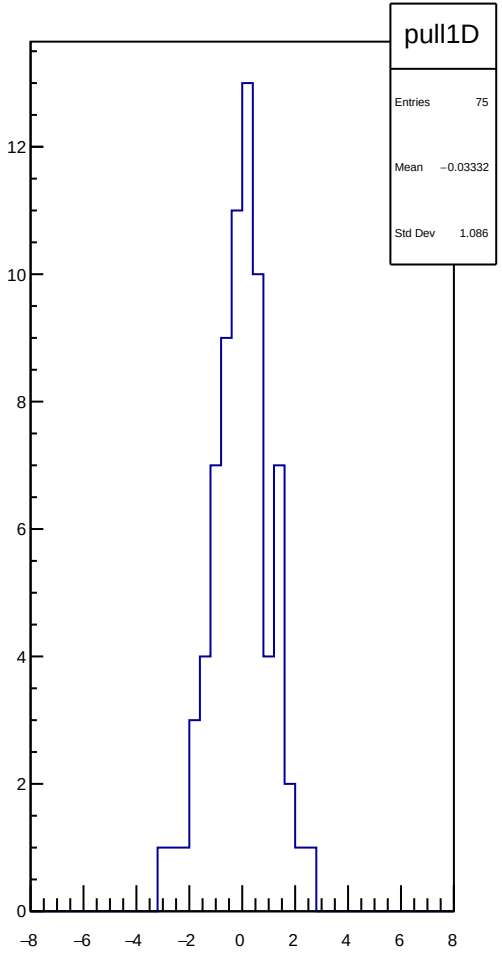

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 7.443e+05 / 74
p0 3.3e−10 ± 3.847e−13
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

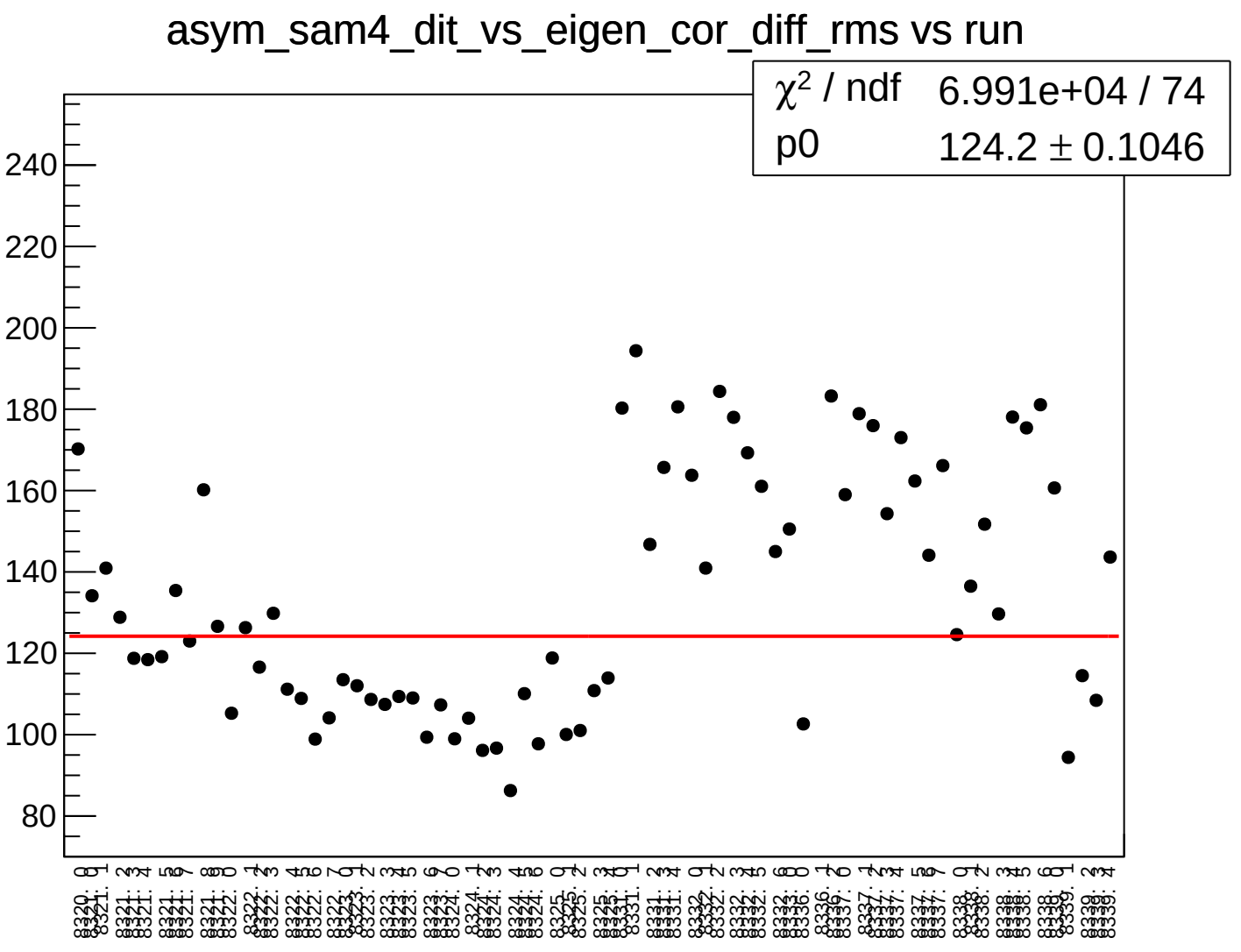

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 88.48 / 74
p0 −1.064 ± 0.1479
pull
Entries 75
Mean 69.31
Std Dev 17.94

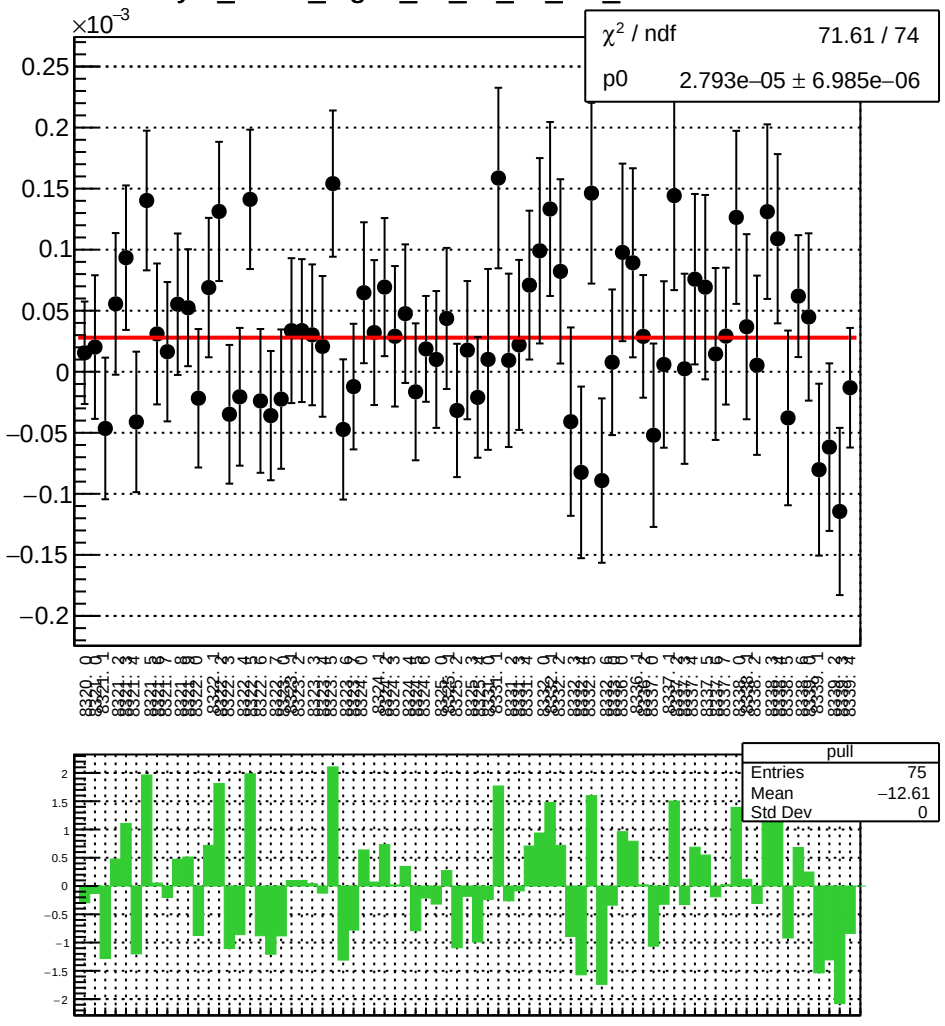

pull1D
Entries 75
Mean −0.03332
Std Dev 1.086

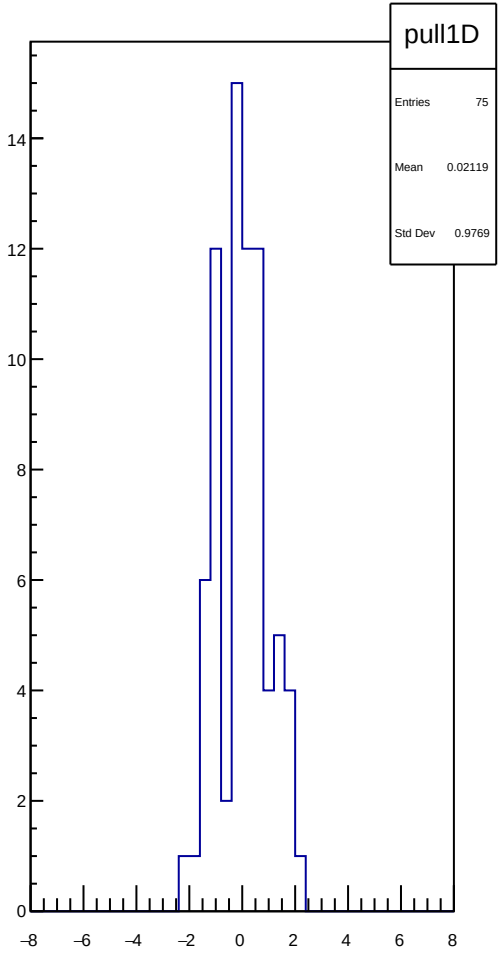

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 6.991e+04 / 74
p0 124.2 ± 0.1046
240
220
200
180
160
140
120
100
80

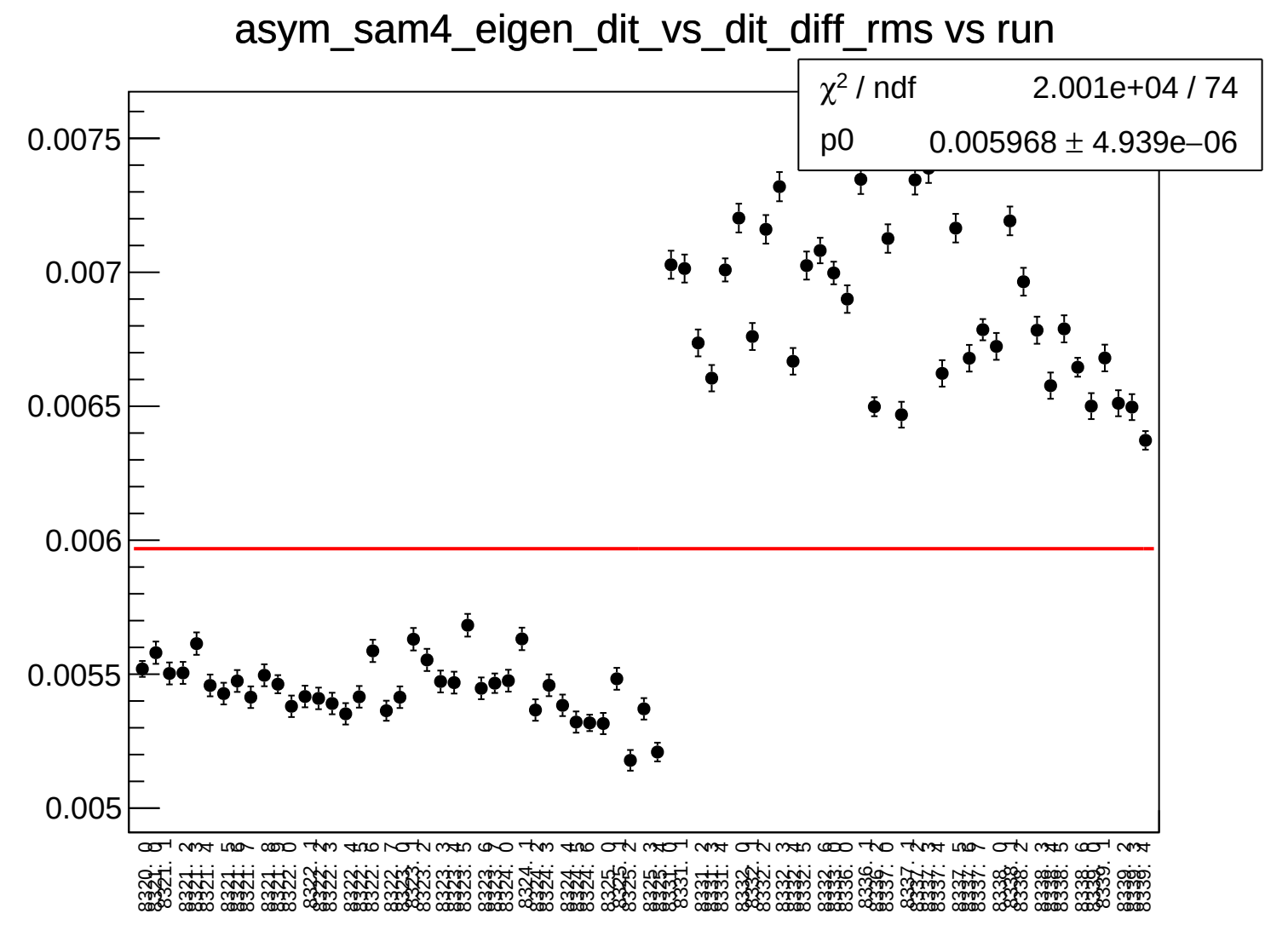

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.48 / 74
p0 −1.064 ± 0.1479
pull
Entries 75
Mean 69.31
Std Dev 17.94

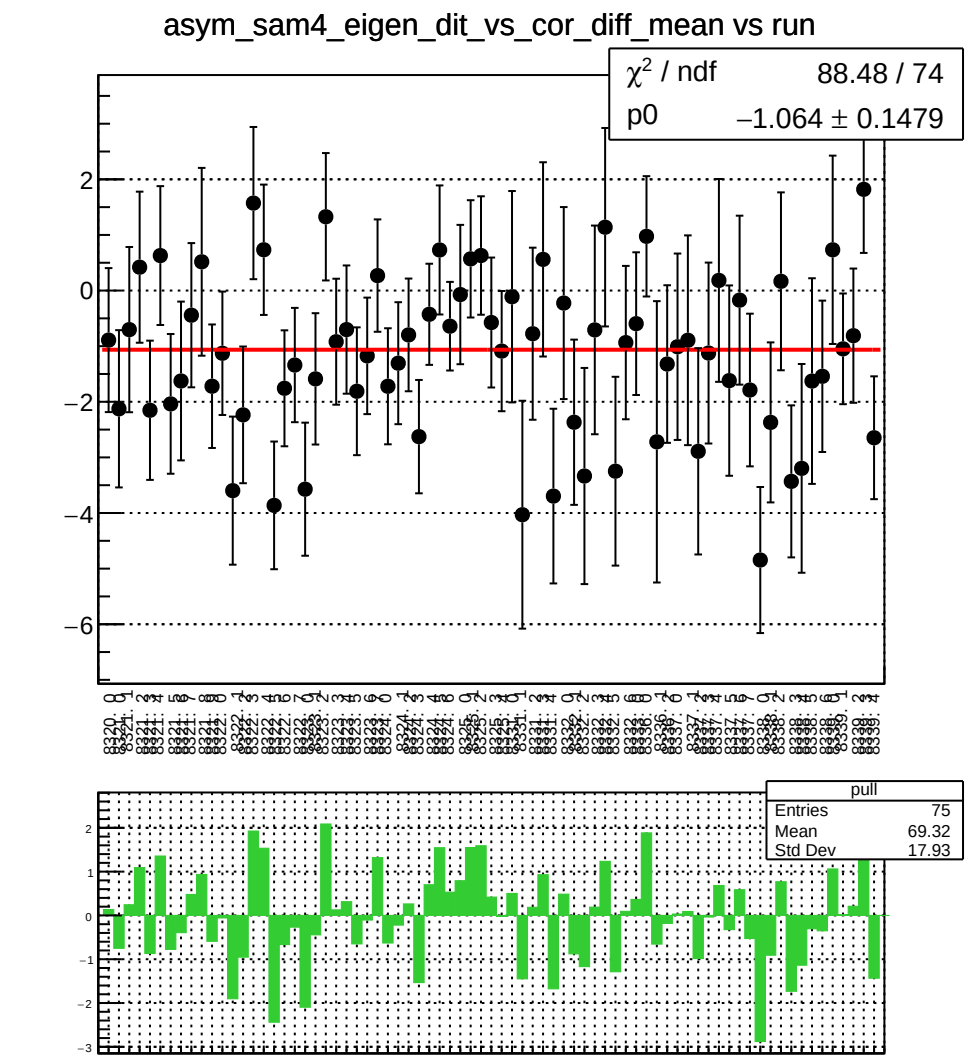

pull1D
Entries 75
Mean −0.03332
Std Dev 1.086

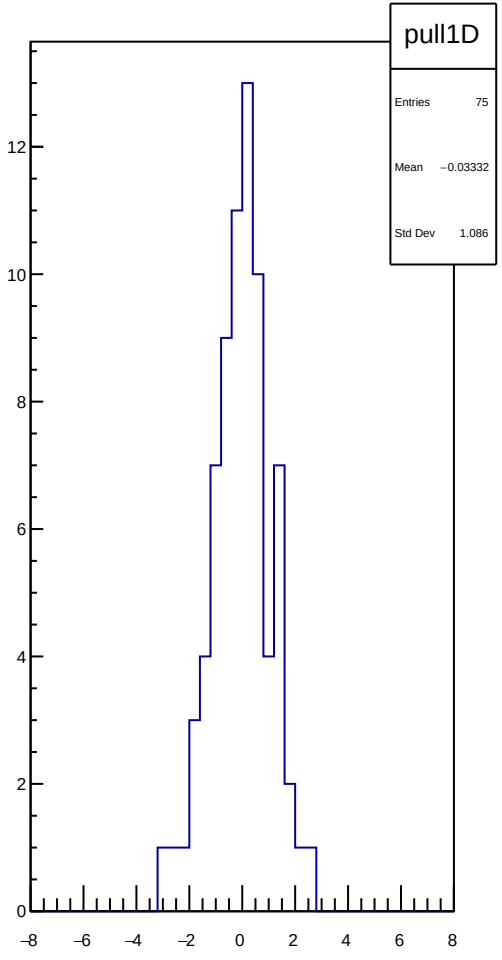

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.991e+04 / 74
p0 124.2 ± 0.1046
240
220
200
180
160
140
120
100
80

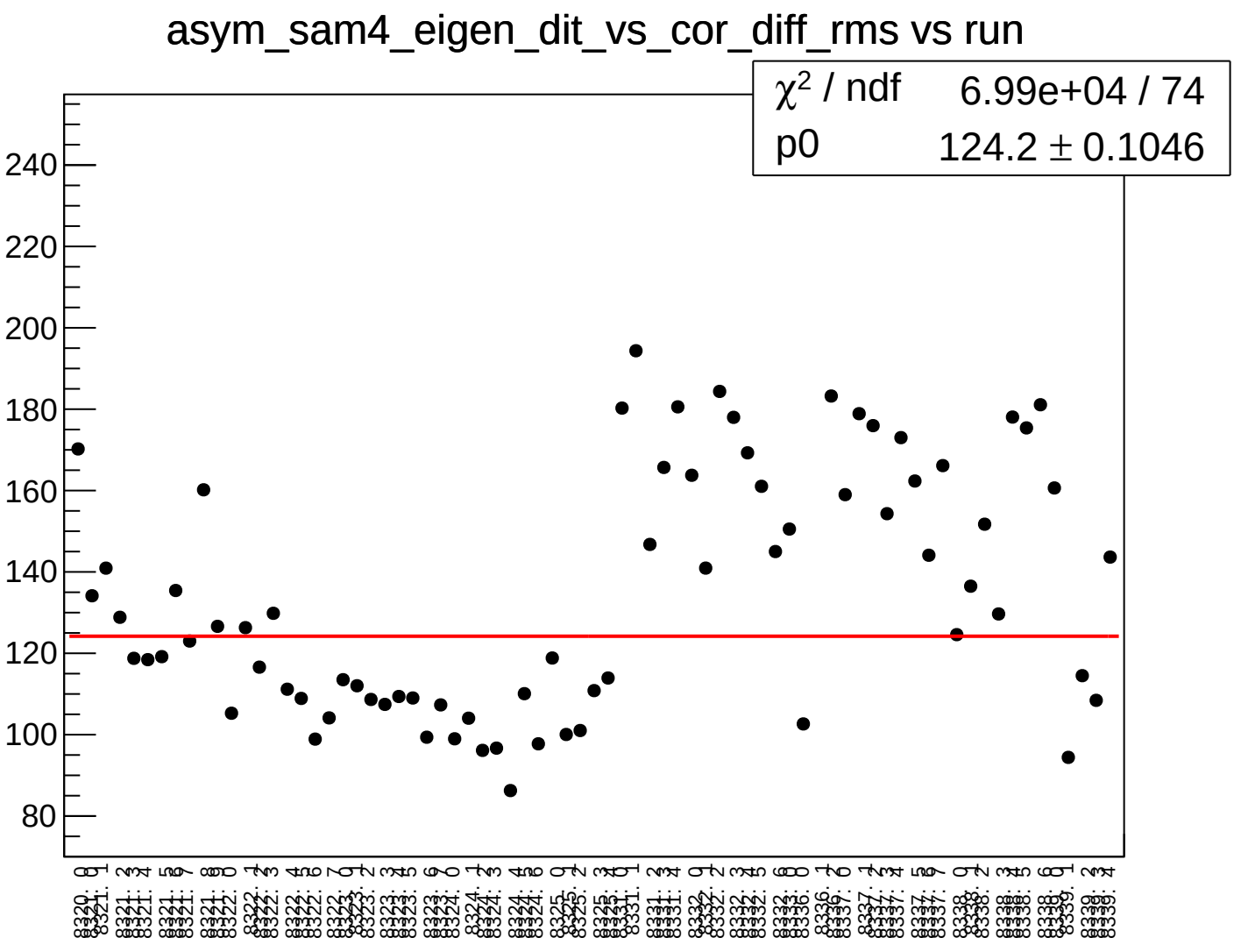

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.61 / 74
p0 2.793e−05 ± 6.985e−06
pull
Entries 75
Mean −12.61
Std Dev 0

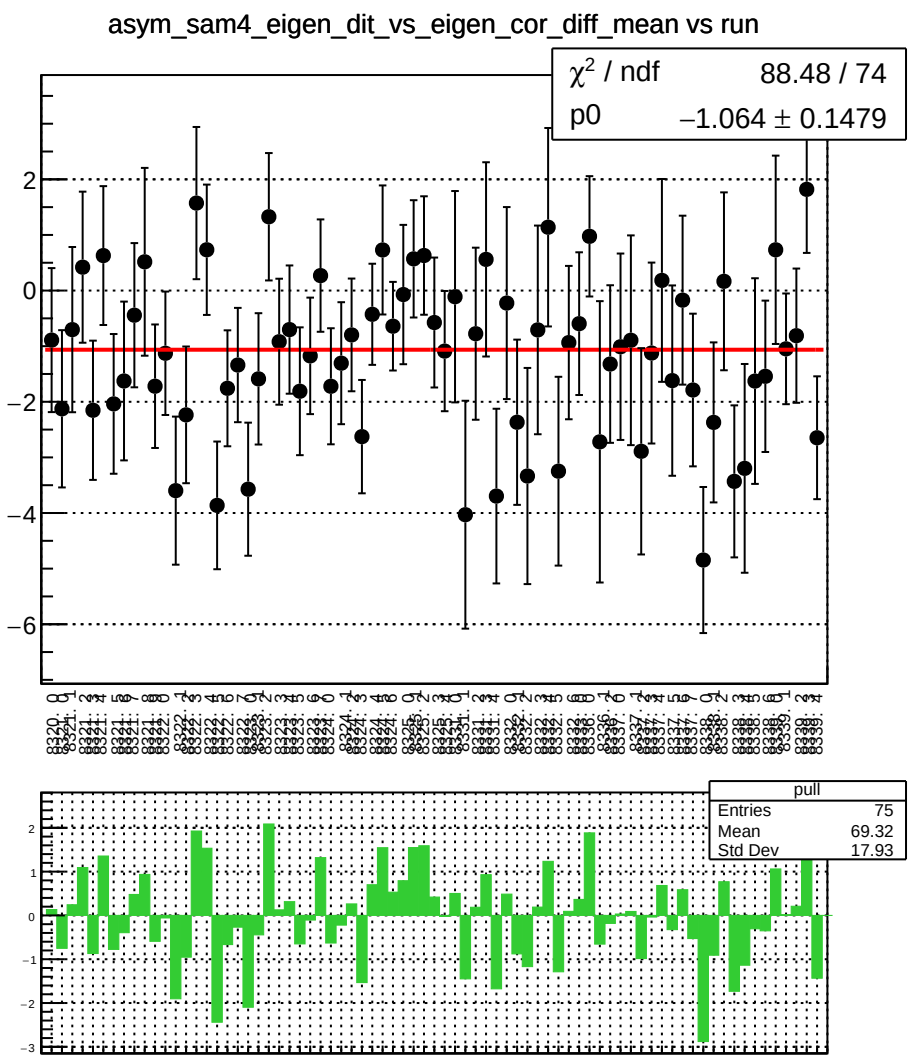

pull1D
Entries 75
Mean 0.02119
Std Dev 0.9769

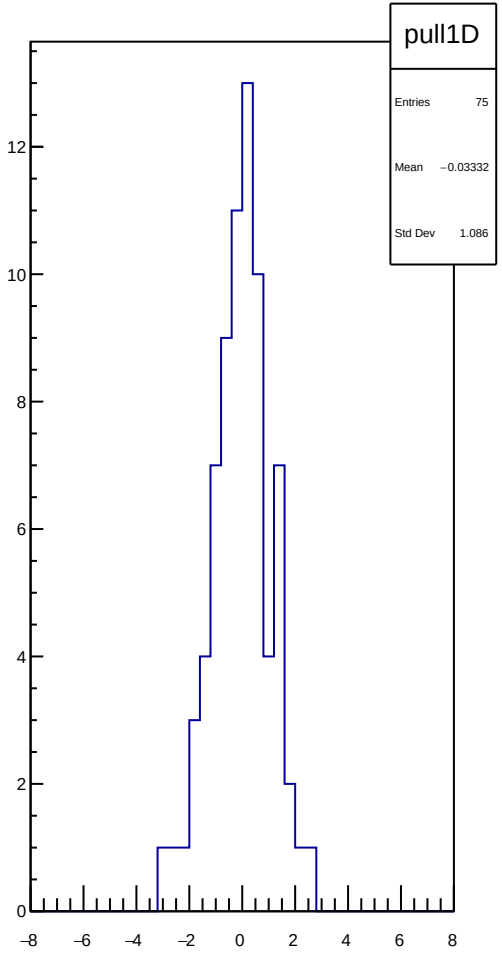

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.001e+04 / 74
p0 0.005968 ± 4.939e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005

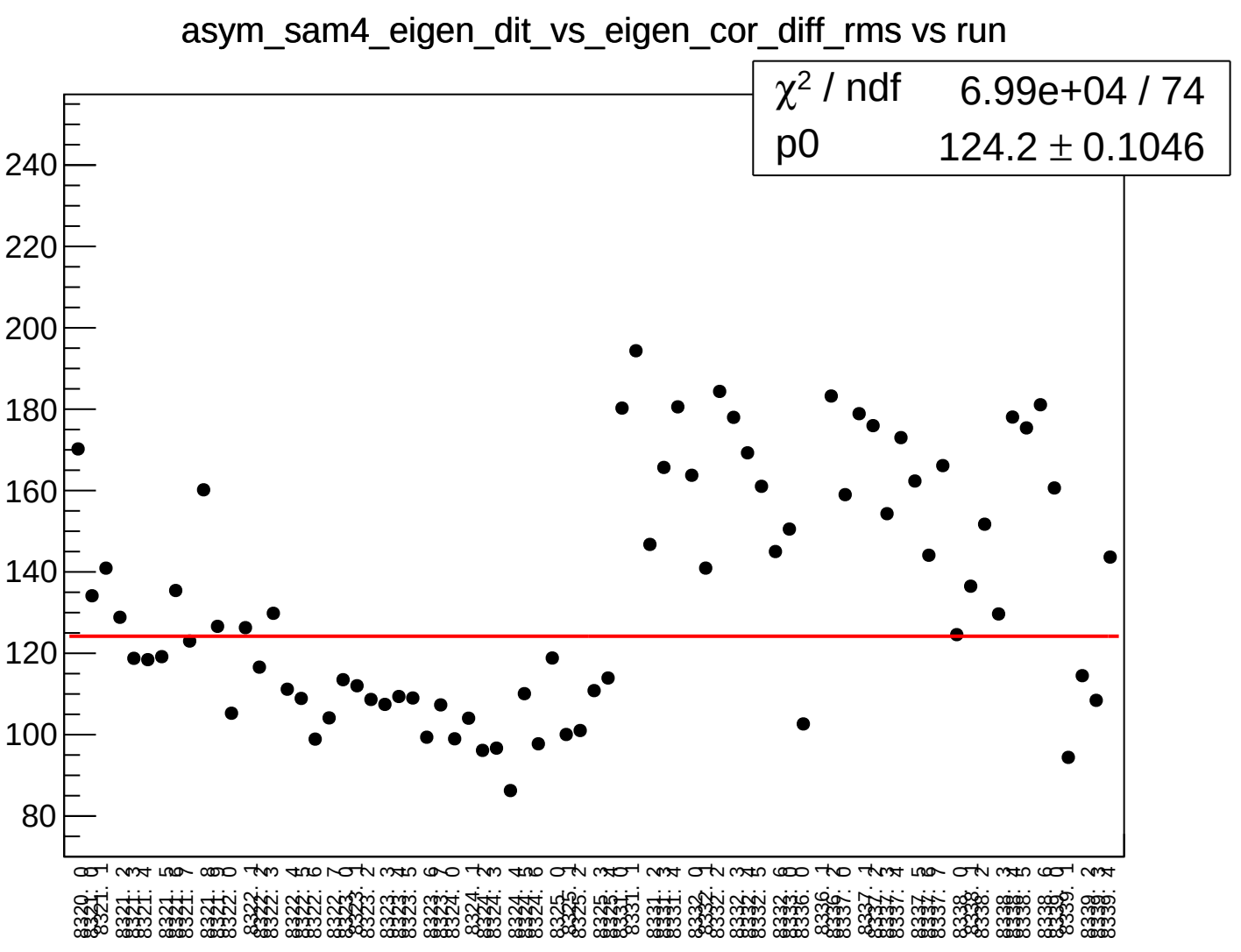

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.48 / 74
p0 −1.064 ± 0.1479
pull
Entries 75
Mean 69.32
Std Dev 17.93

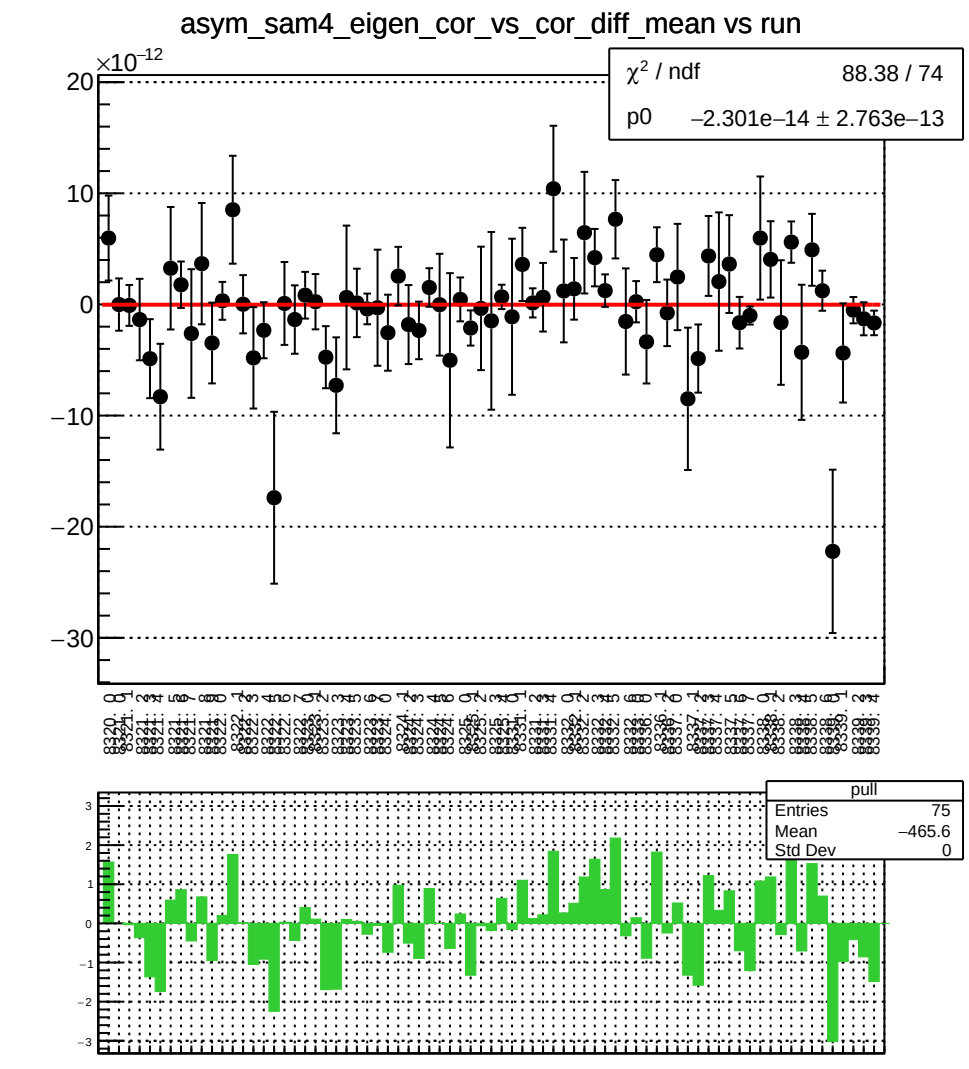

pull1D
Entries 75
Mean −0.03332
Std Dev 1.086

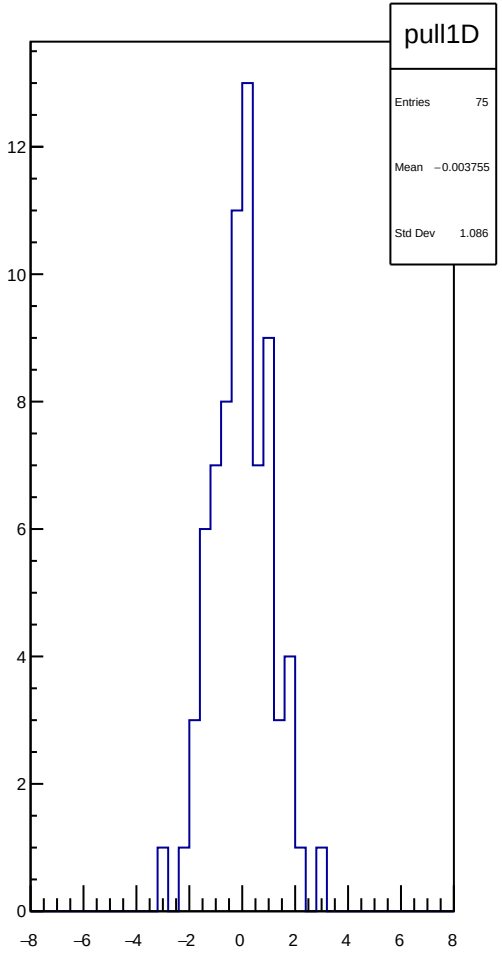

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.99e+04 / 74
p0 124.2 ± 0.1046
240
220
200
180
160
140
120
100
80

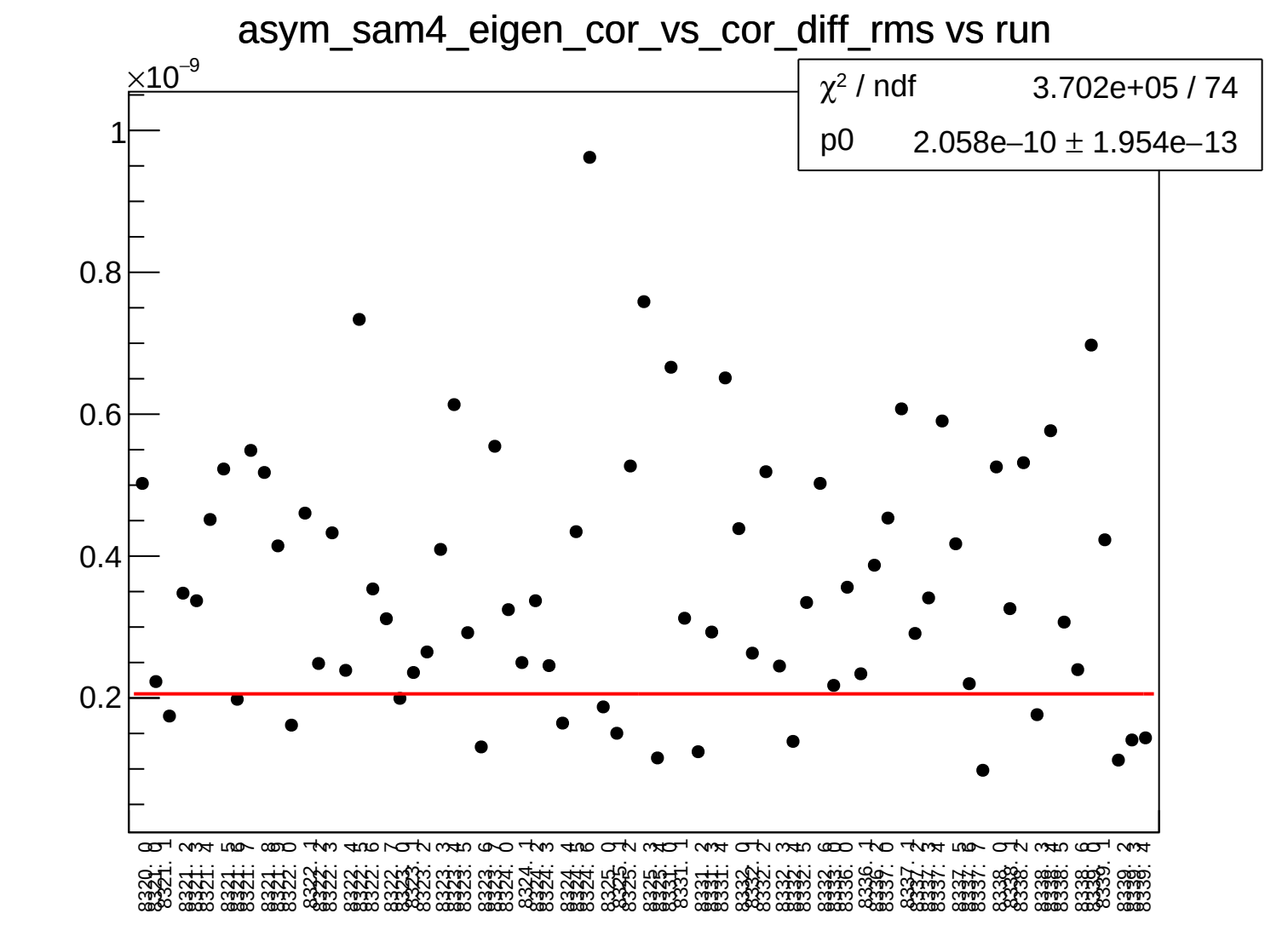

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.48 / 74
p0 −1.064 ± 0.1479
pull
Entries 75
Mean 69.32
Std Dev 17.93

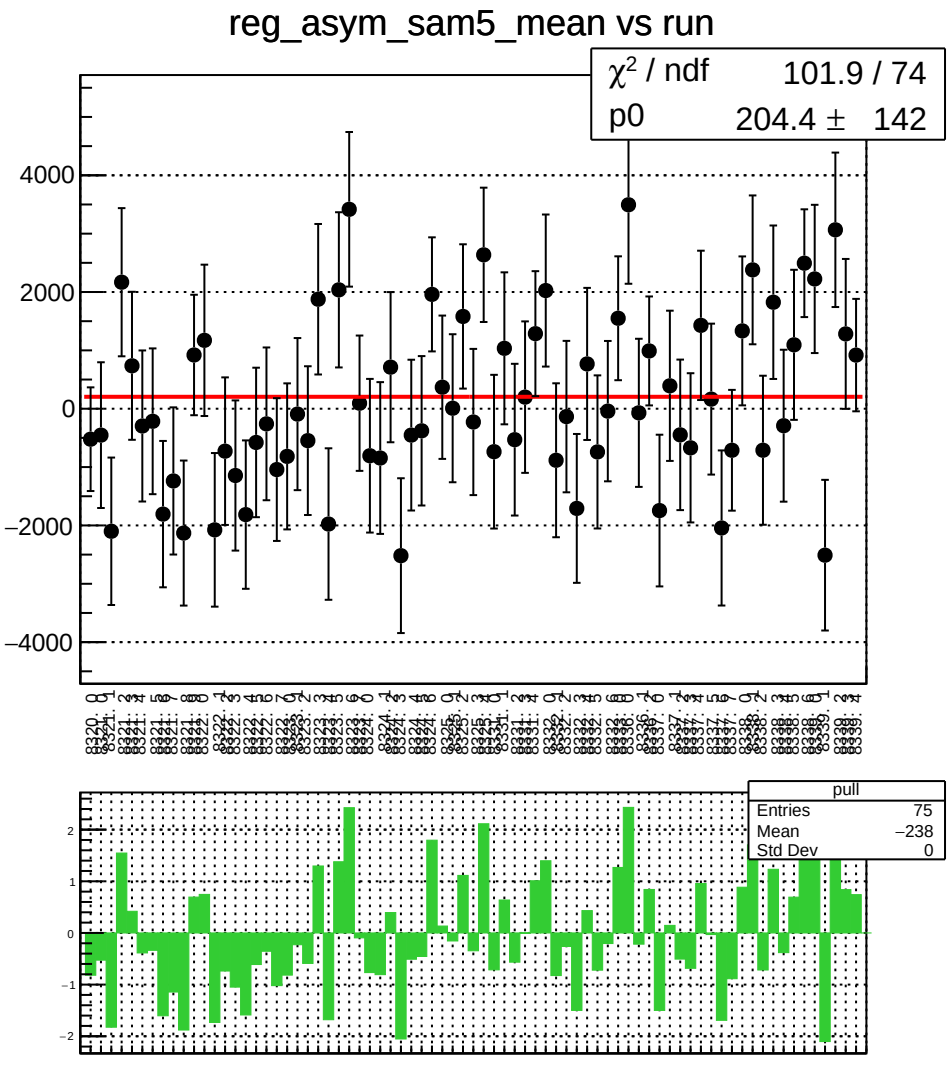

pull1D
Entries 75
Mean −0.03332
Std Dev 1.086

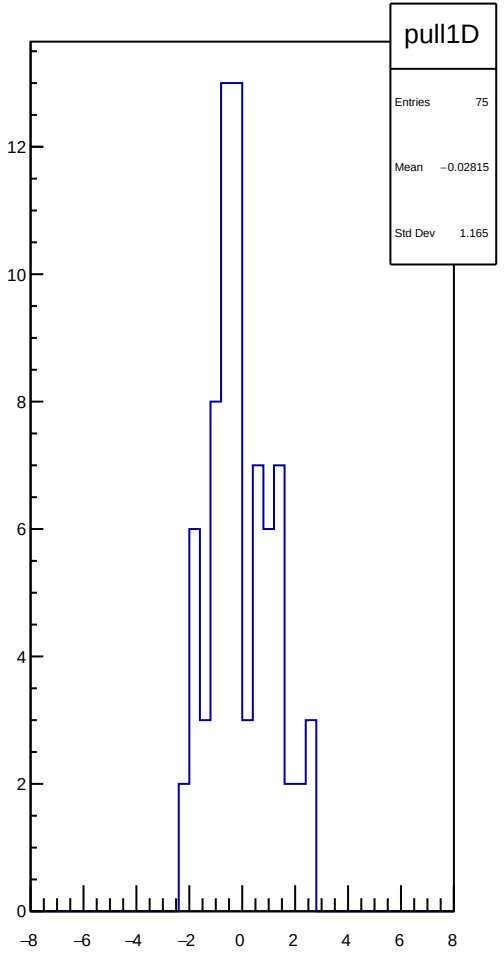

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.99e+04 / 74
p0 124.2 ± 0.1046
240
220
200
180
160
140
120
100
80

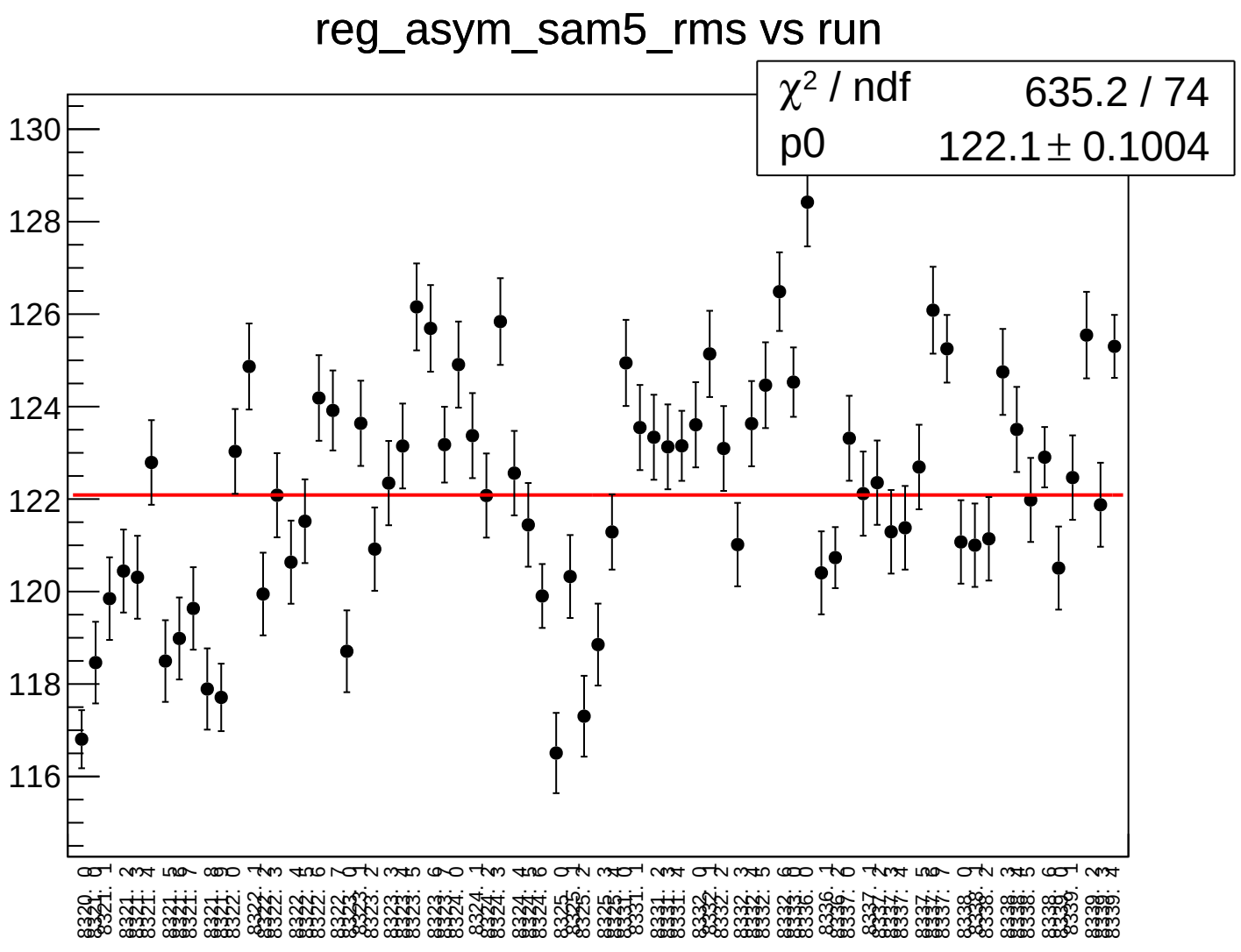

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.38 / 74
p0 −2.301e−14 ± 2.763e−13
pull
Entries 75
Mean −465.6
Std Dev 0

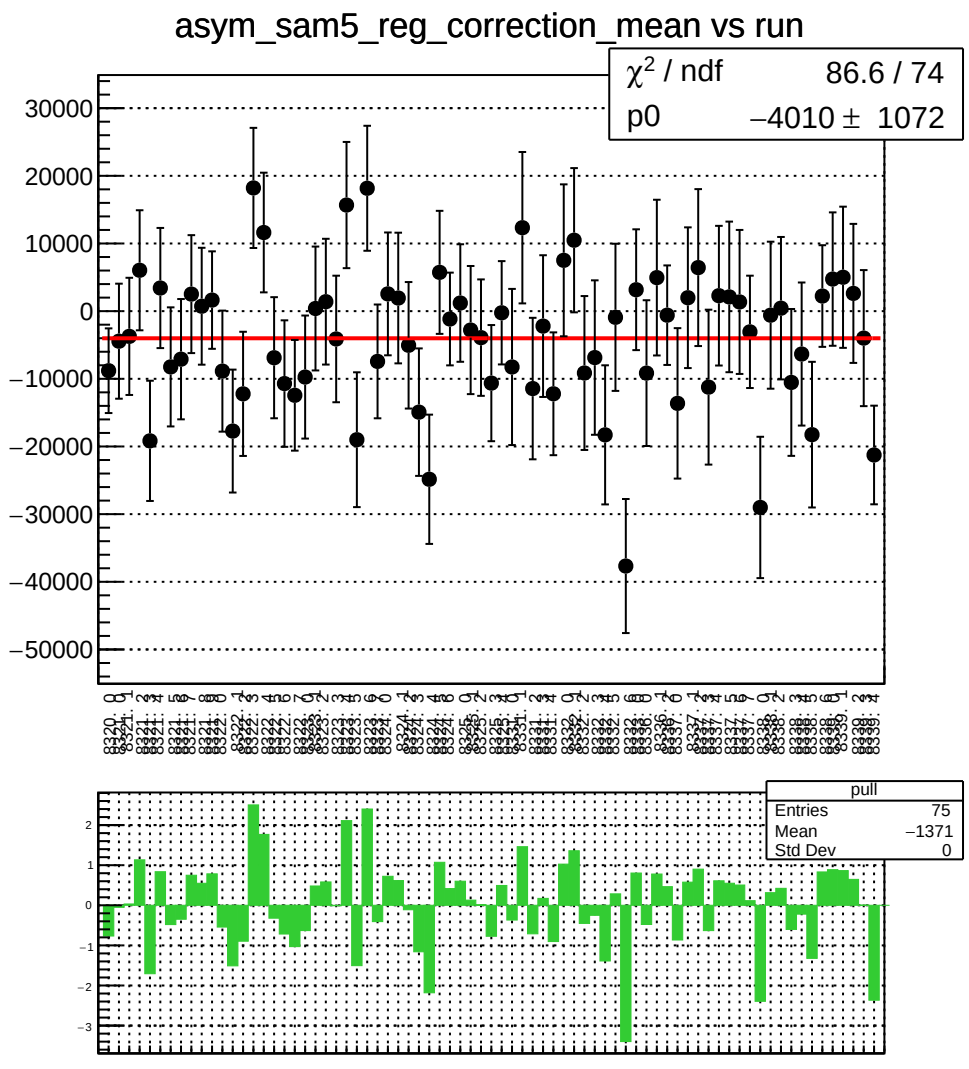

pull1D
Entries 75
Mean −0.003755
Std Dev 1.086

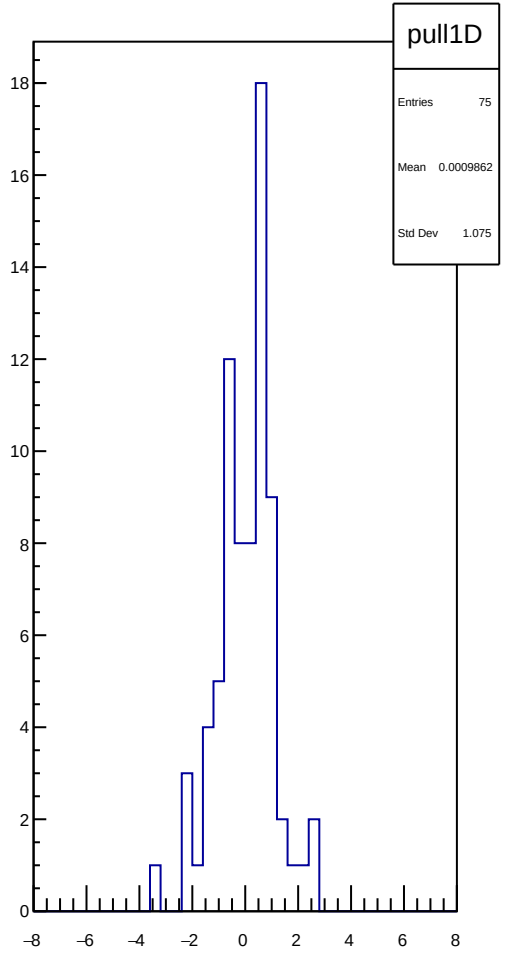

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.702e+05 / 74
p0 2.058e−10 ± 1.954e−13
1
0.8
0.6
0.4
0.2

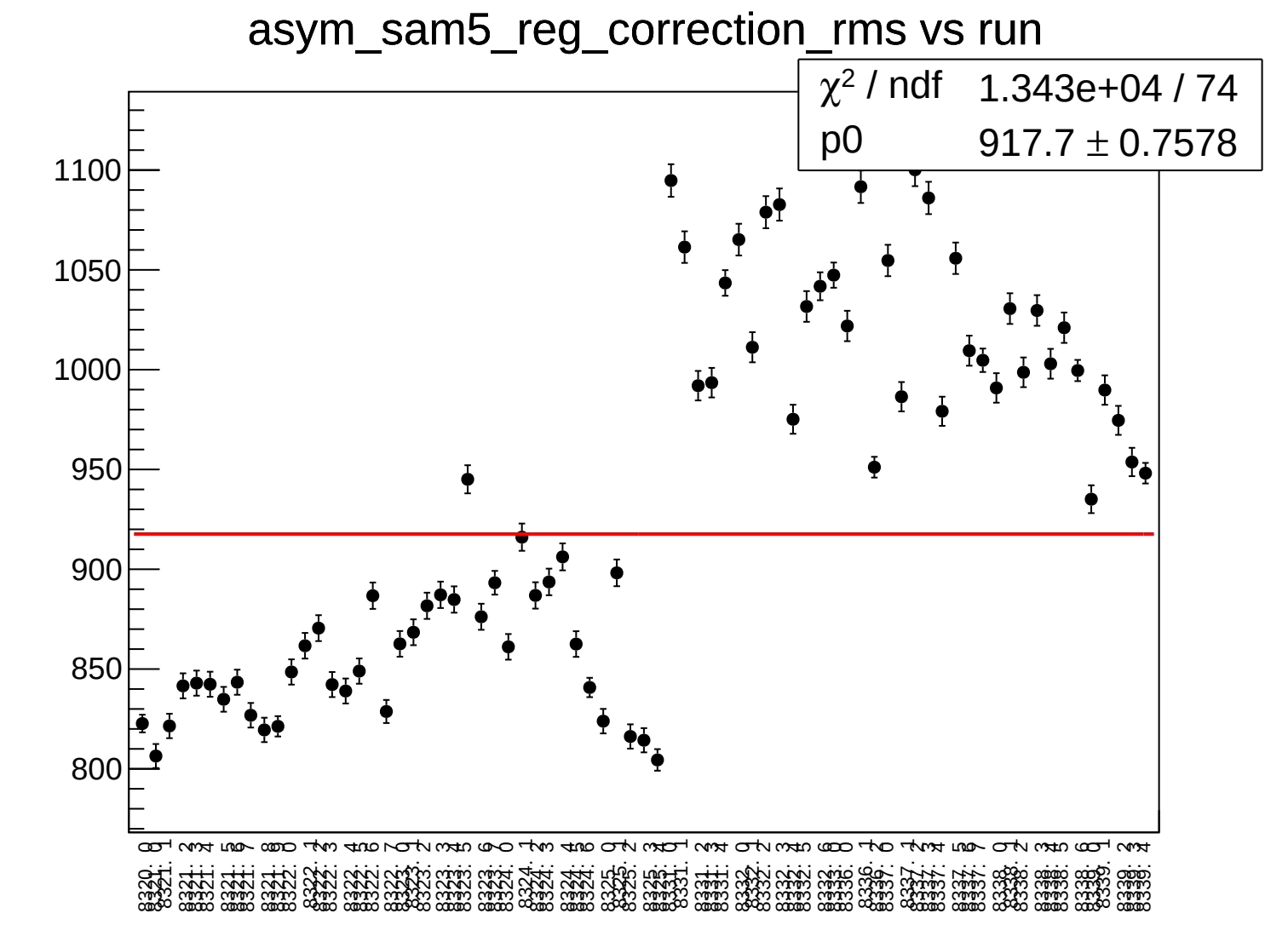

reg_asym_sam5_mean vs run
χ^2 / ndf 101.9 / 74
p0 204.4 ± 142
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −238
Std Dev 0
2
1
0
−1
−2

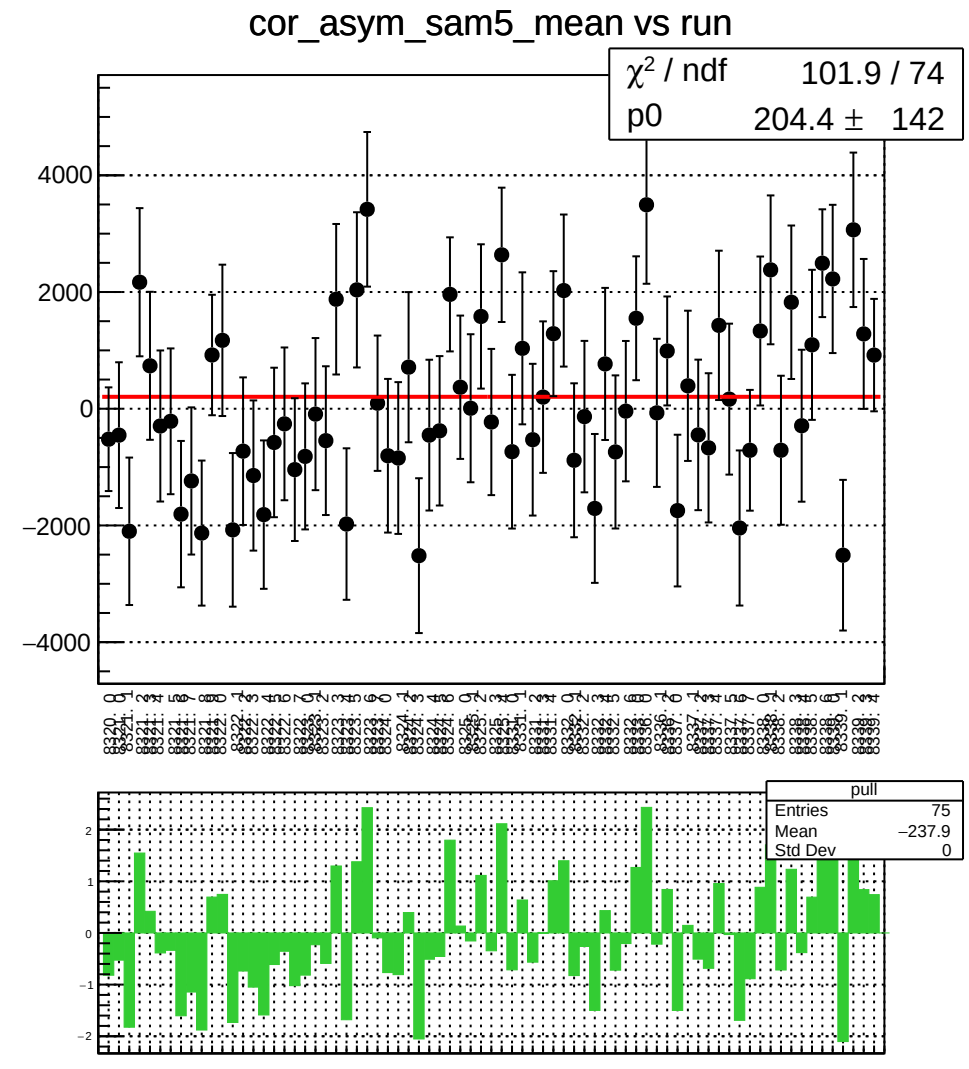

pull1D
Entries 75
Mean −0.02815
Std Dev 1.165
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

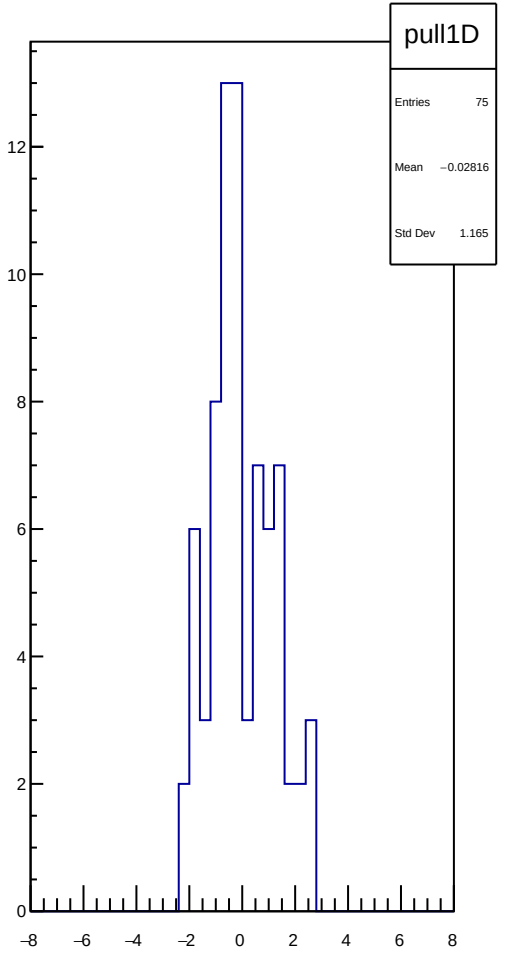

reg_asym_sam5_rms vs run
χ² / ndf 635.2 / 74
p0 122.1 ± 0.1004
130
128
126
124
122
120
118
116

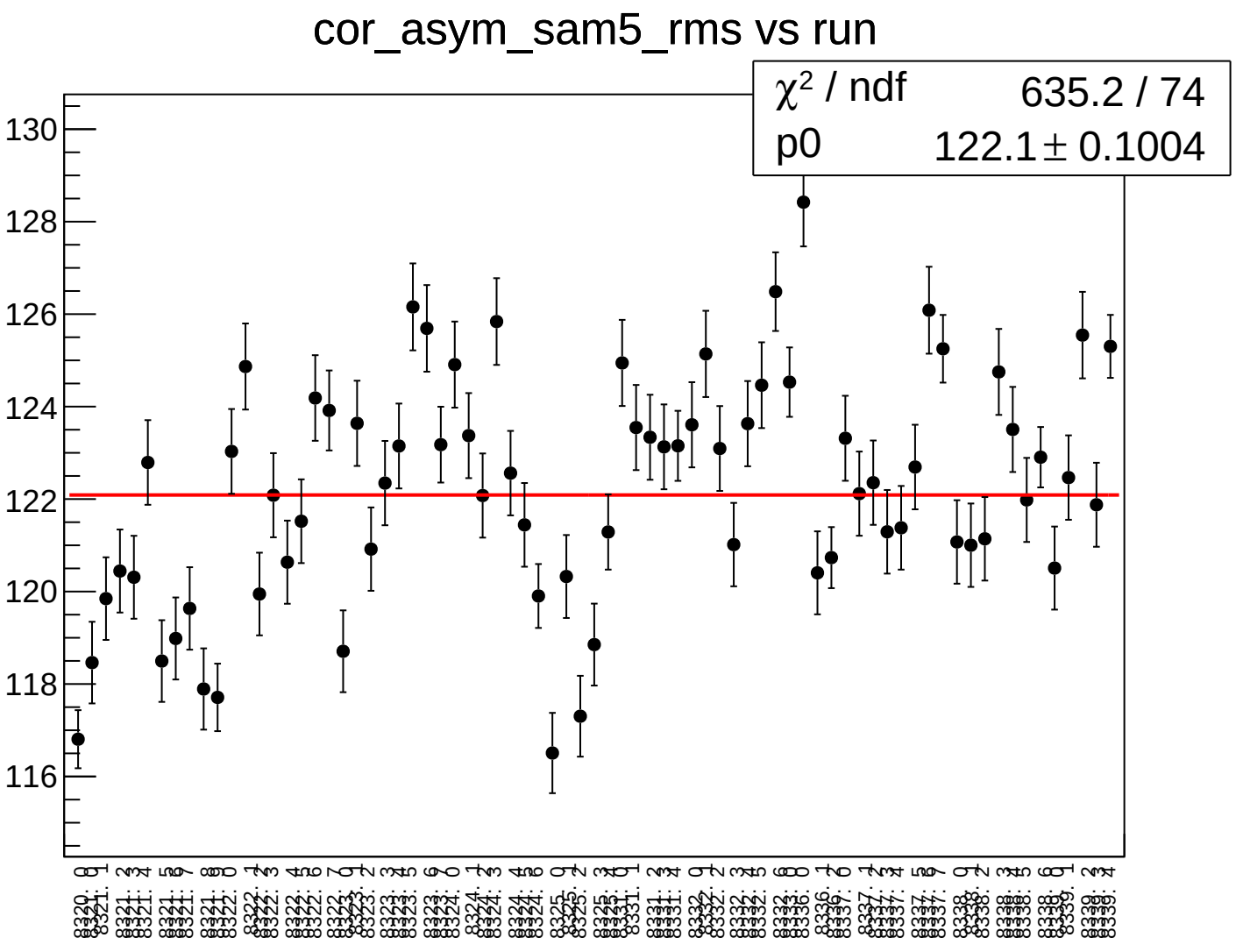

asym_sam5_reg_correction_mean vs run
χ² / ndf 86.6 / 74
p0 −4010 ± 1072
pull
Entries 75
Mean −1371
Std Dev 0

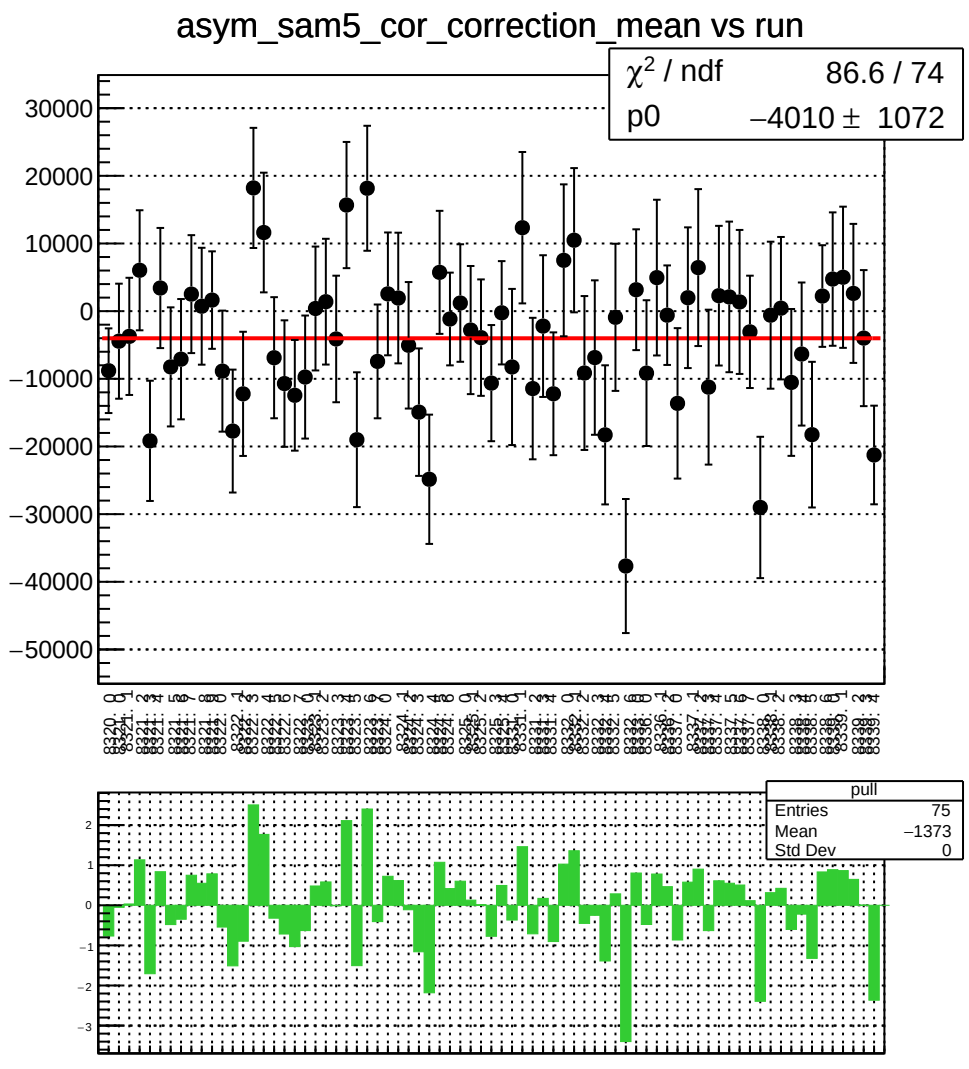

pull1D
Entries 75
Mean 0.0009862
Std Dev 1.075

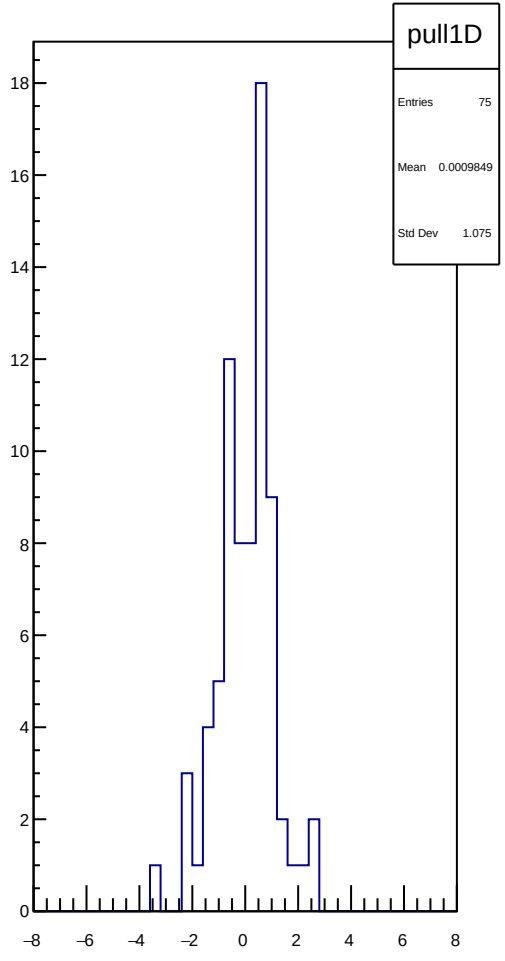

asym_sam5_reg_correction_rms vs run
χ² / ndf 1.343e+04 / 74
p0 917.7 ± 0.7578
1100
1050
1000
950
900
850
800

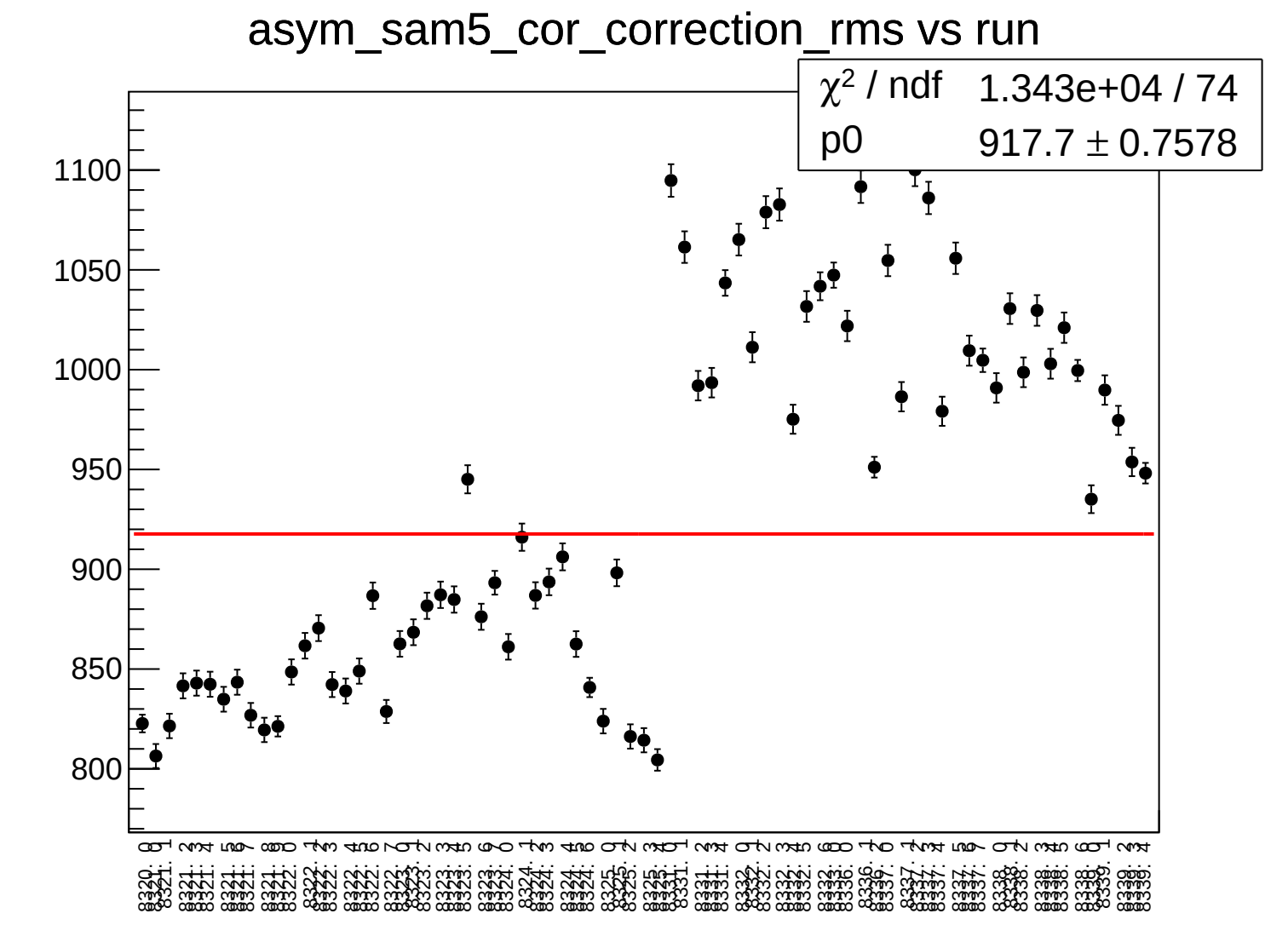

cor_asym_sam5_mean vs run
χ² / ndf 101.9 / 74
p0 204.4 ± 142
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −237.9
Std Dev 0
2
1
0
−1
−2

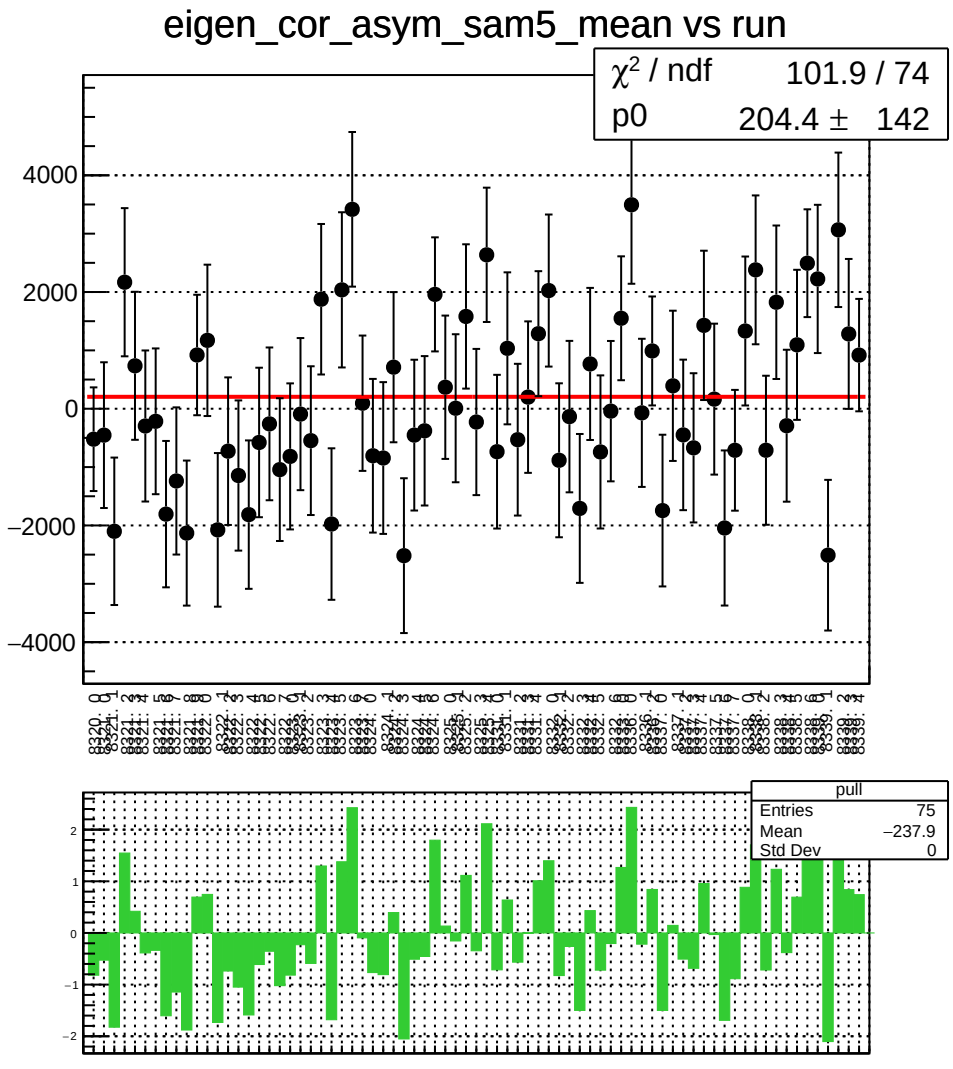

pull1D
Entries 75
Mean −0.02816
Std Dev 1.165
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

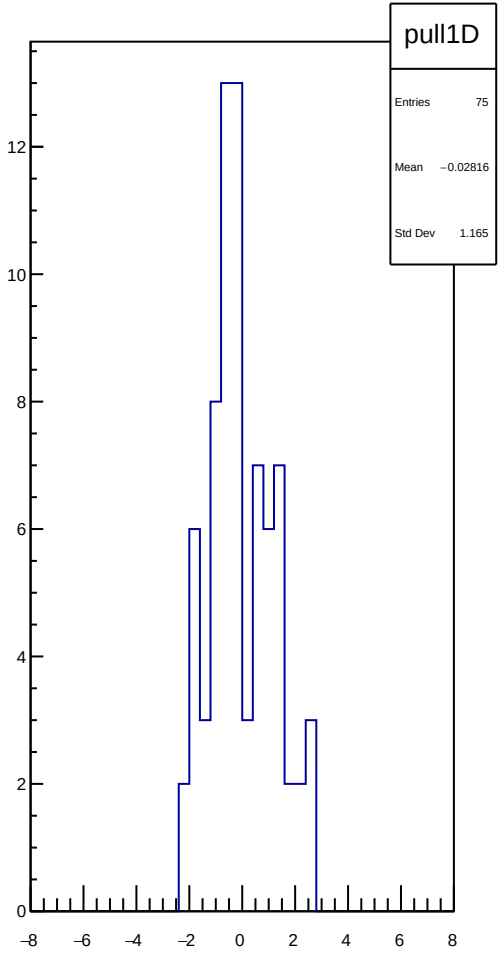

cor_asym_sam5_rms vs run
χ² / ndf 635.2 / 74
p0 122.1 ± 0.1004
130
128
126
124
122
120
118
116

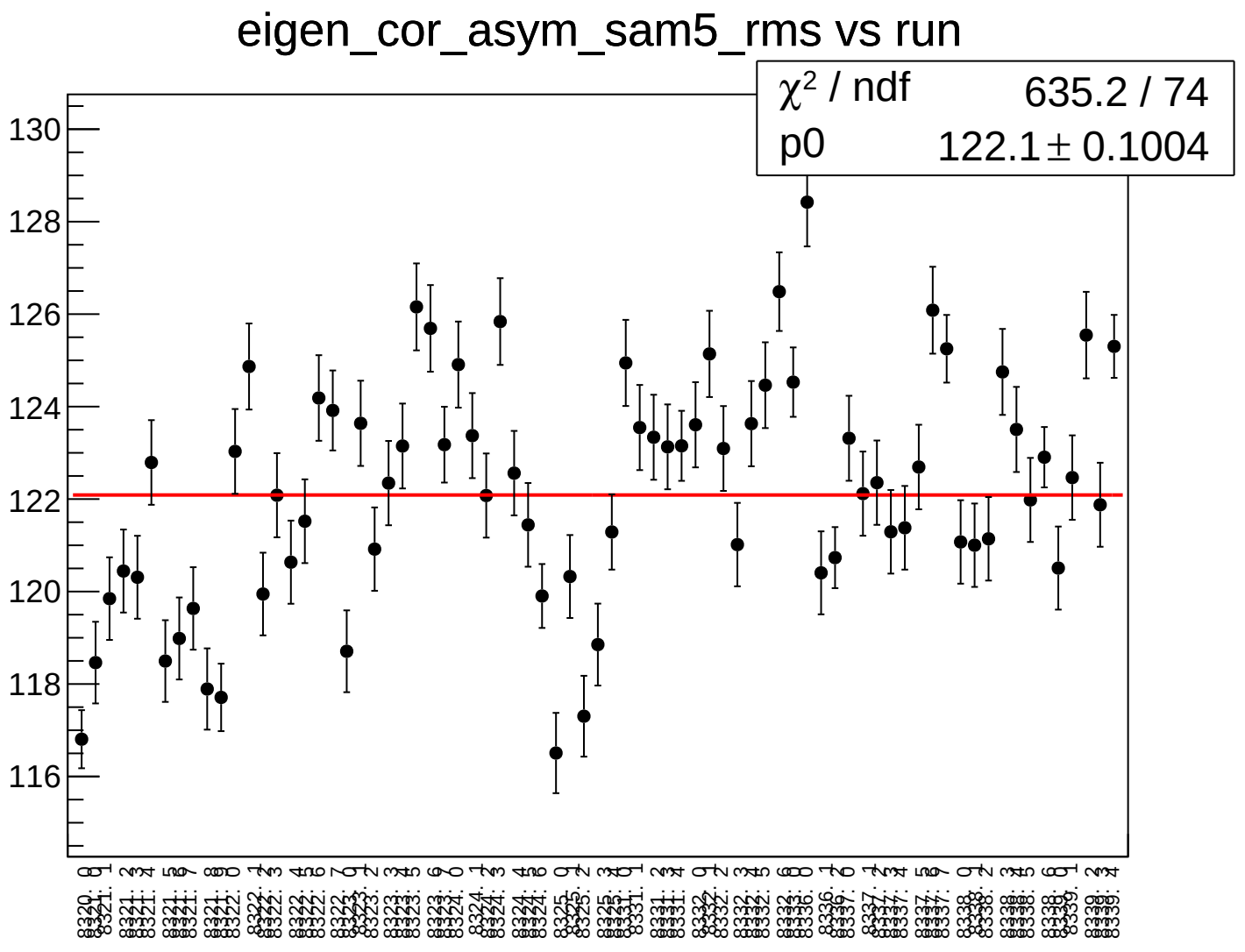

asym_sam5_cor_correction_mean vs run
χ² / ndf 86.6 / 74
p0 −4010 ± 1072
pull
Entries 75
Mean −1373
Std Dev 0

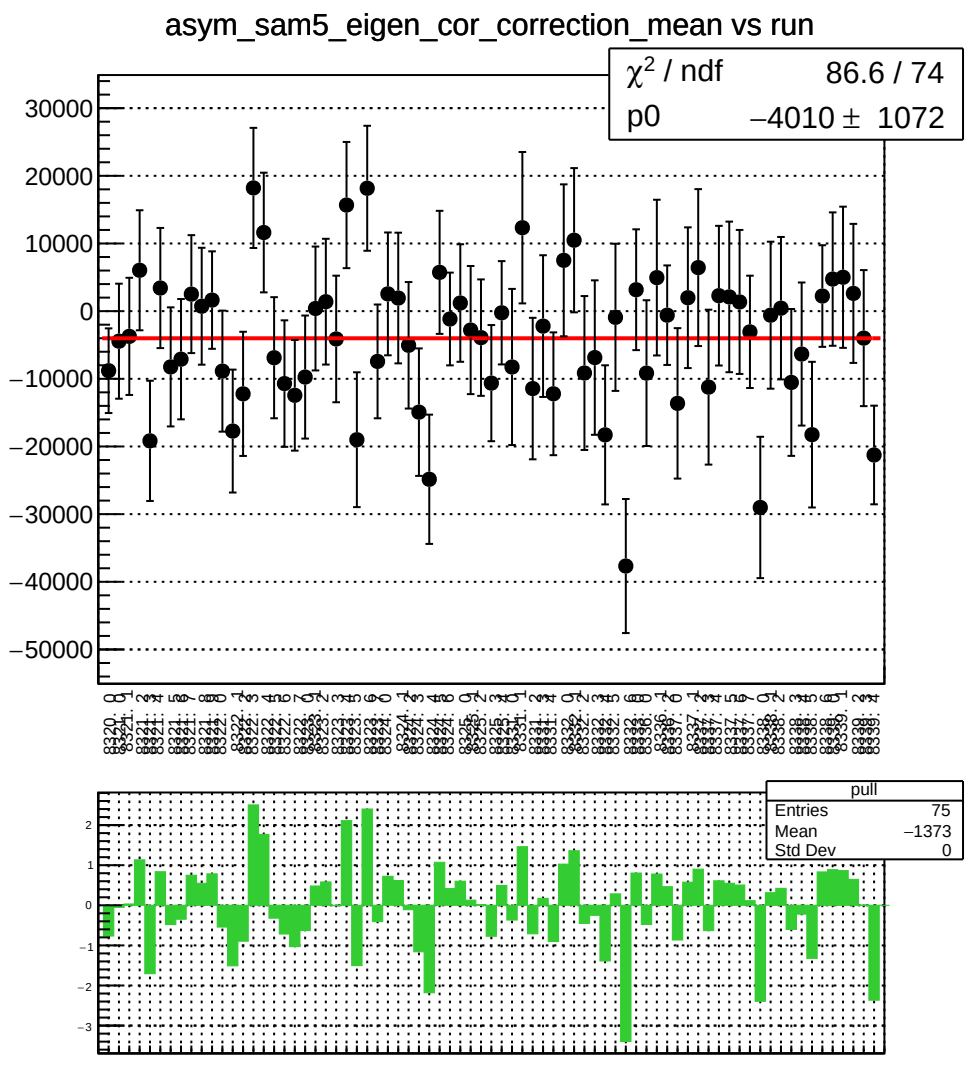

pull1D
Entries 75
Mean 0.0009849
Std Dev 1.075

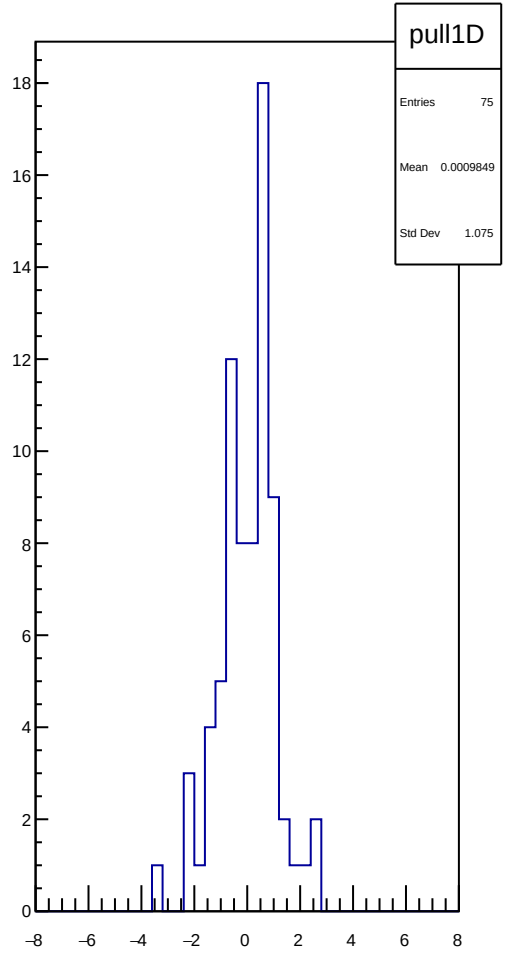

asym_sam5_cor_correction_rms vs run
χ² / ndf 1.343e+04 / 74
p0 917.7 ± 0.7578
1100
1050
1000
950
900
850
800

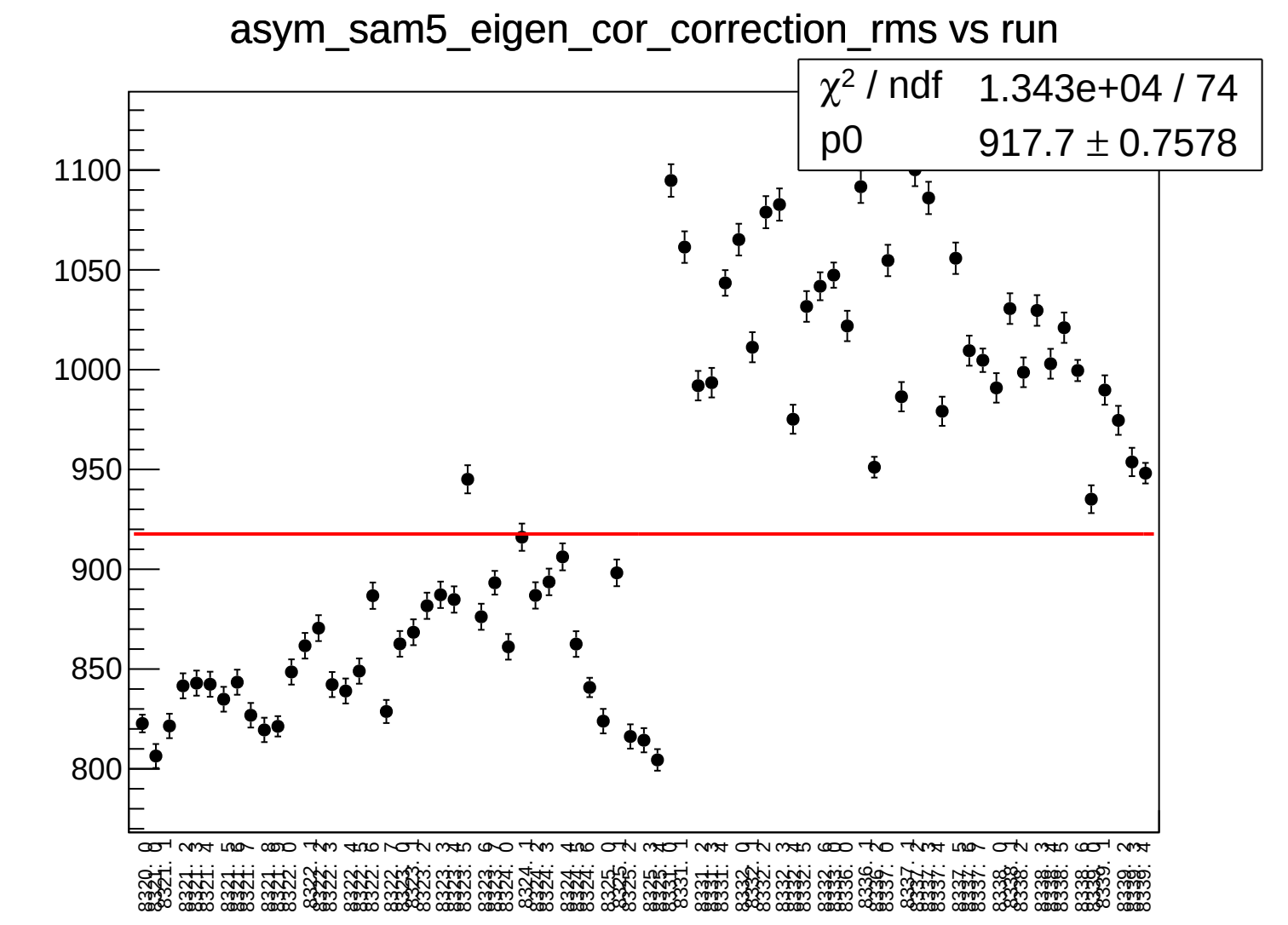

eigen_cor_asym_sam5_mean vs run
χ² / ndf 101.9 / 74
p0 204.4 ± 142
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −237.9
Std Dev 0
2
1
0
−1
−2

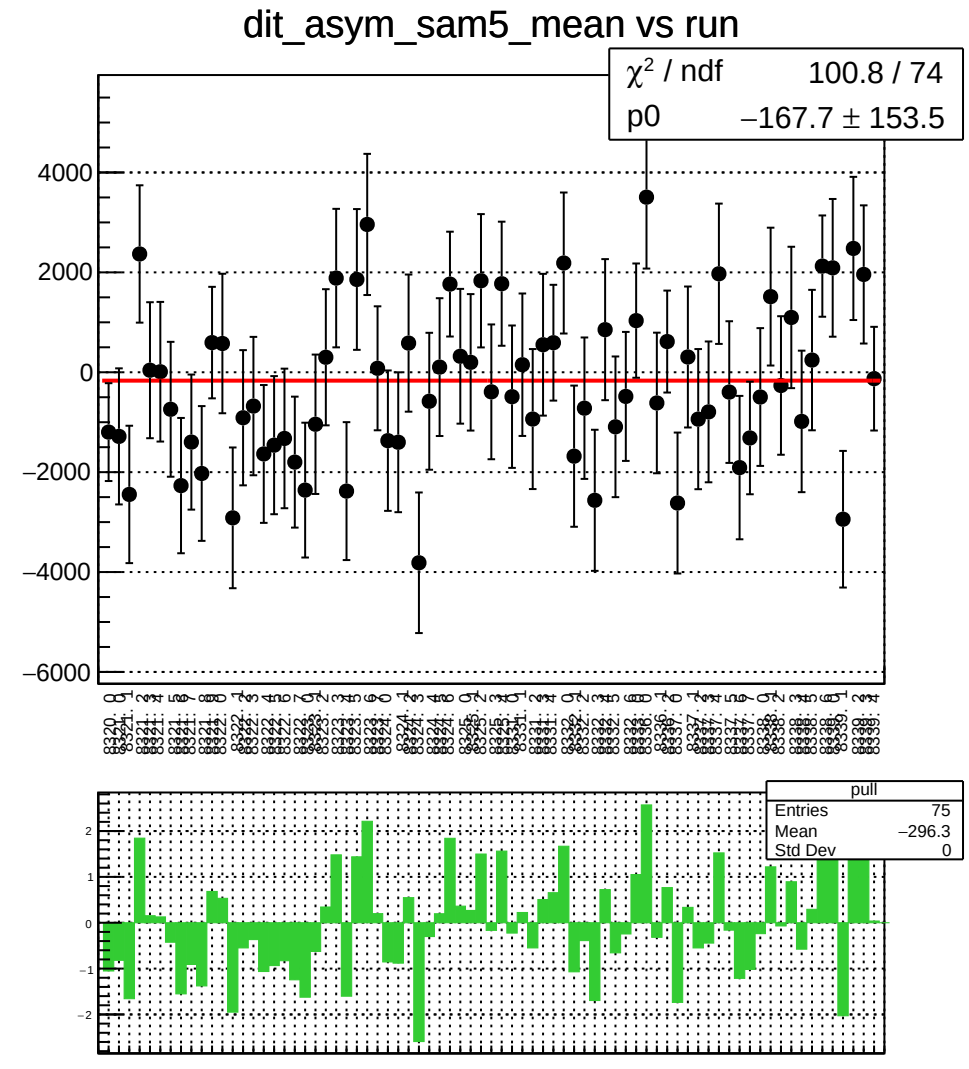

pull1D
Entries 75
Mean −0.02816
Std Dev 1.165
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

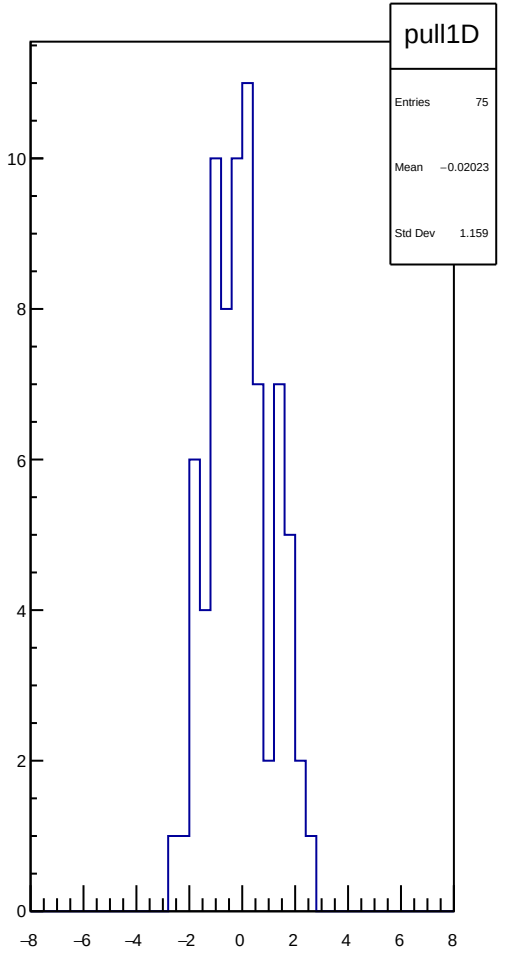

eigen_cor_asym_sam5_rms vs run
χ² / ndf 635.2 / 74
p0 122.1 ± 0.1004
130
128
126
124
122
120
118
116

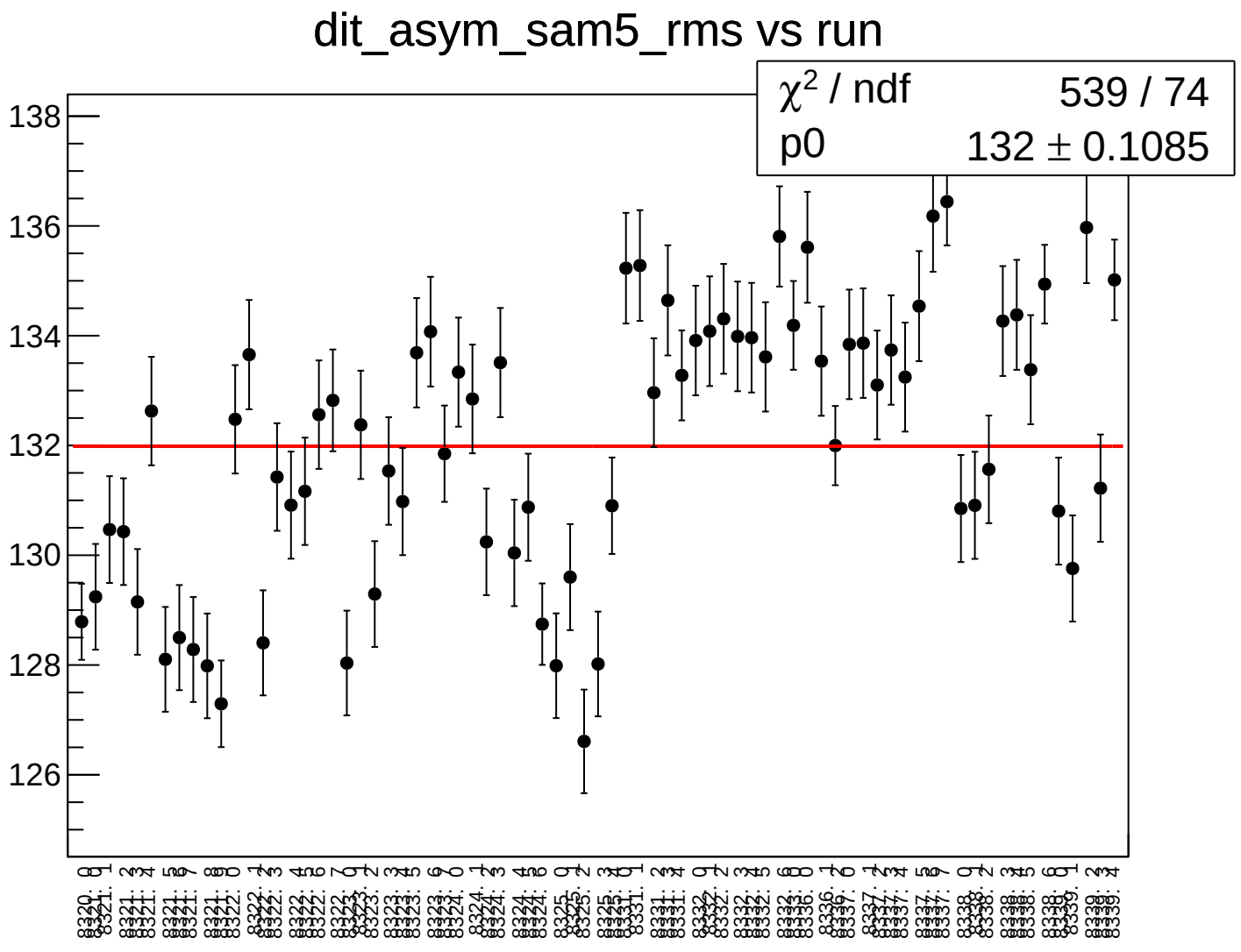

asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 86.6 / 74
p0 −4010 ± 1072
pull
Entries 75
Mean −1373
Std Dev 0

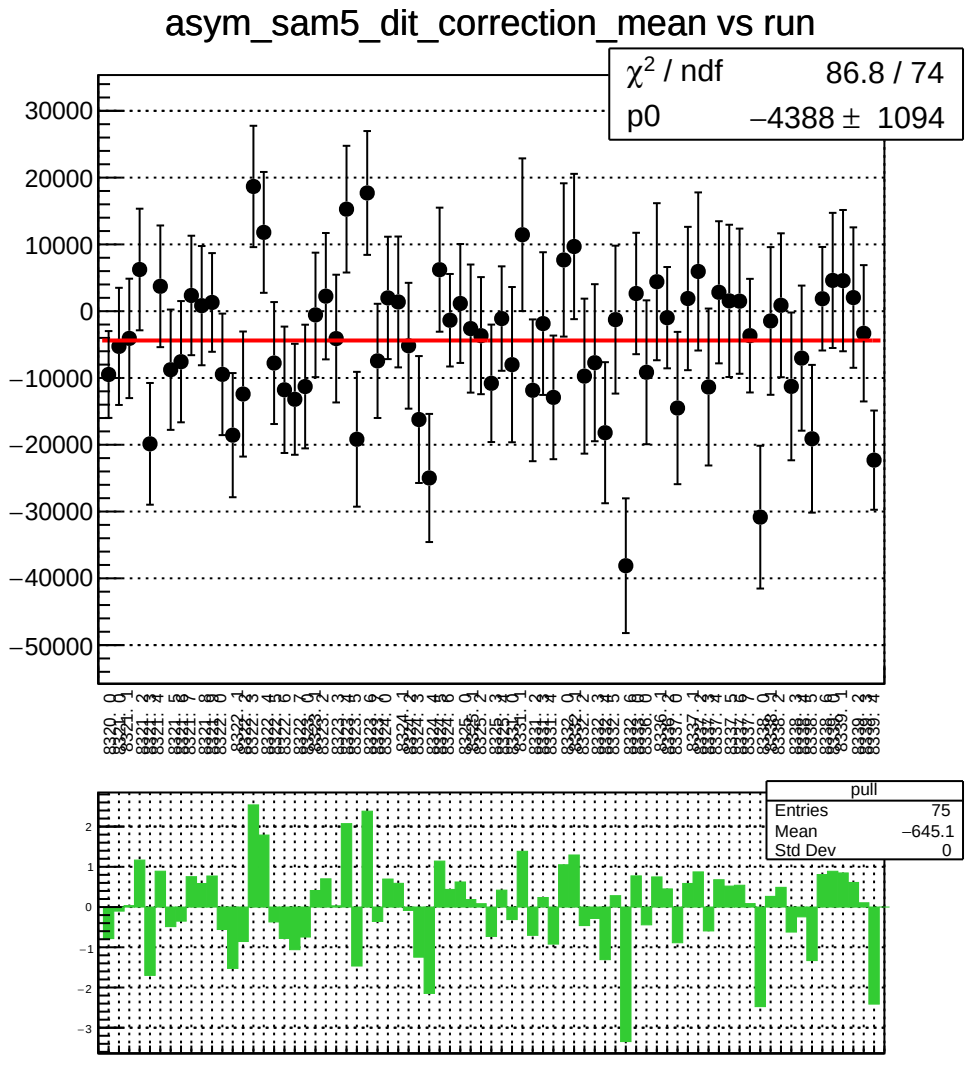

pull1D
Entries 75
Mean 0.0009849
Std Dev 1.075

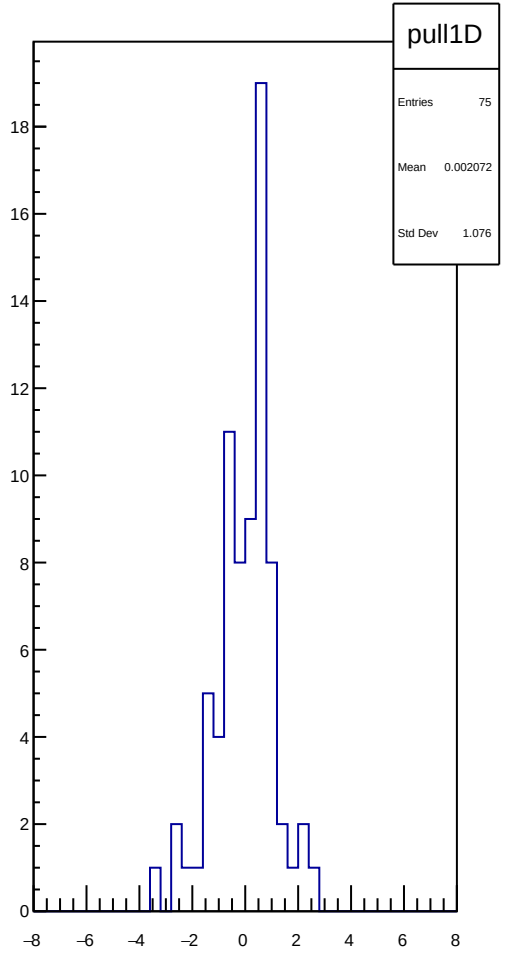

asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 1.343e+04 / 74
p0 917.7 ± 0.7578
1100
1050
1000
950
900
850
800

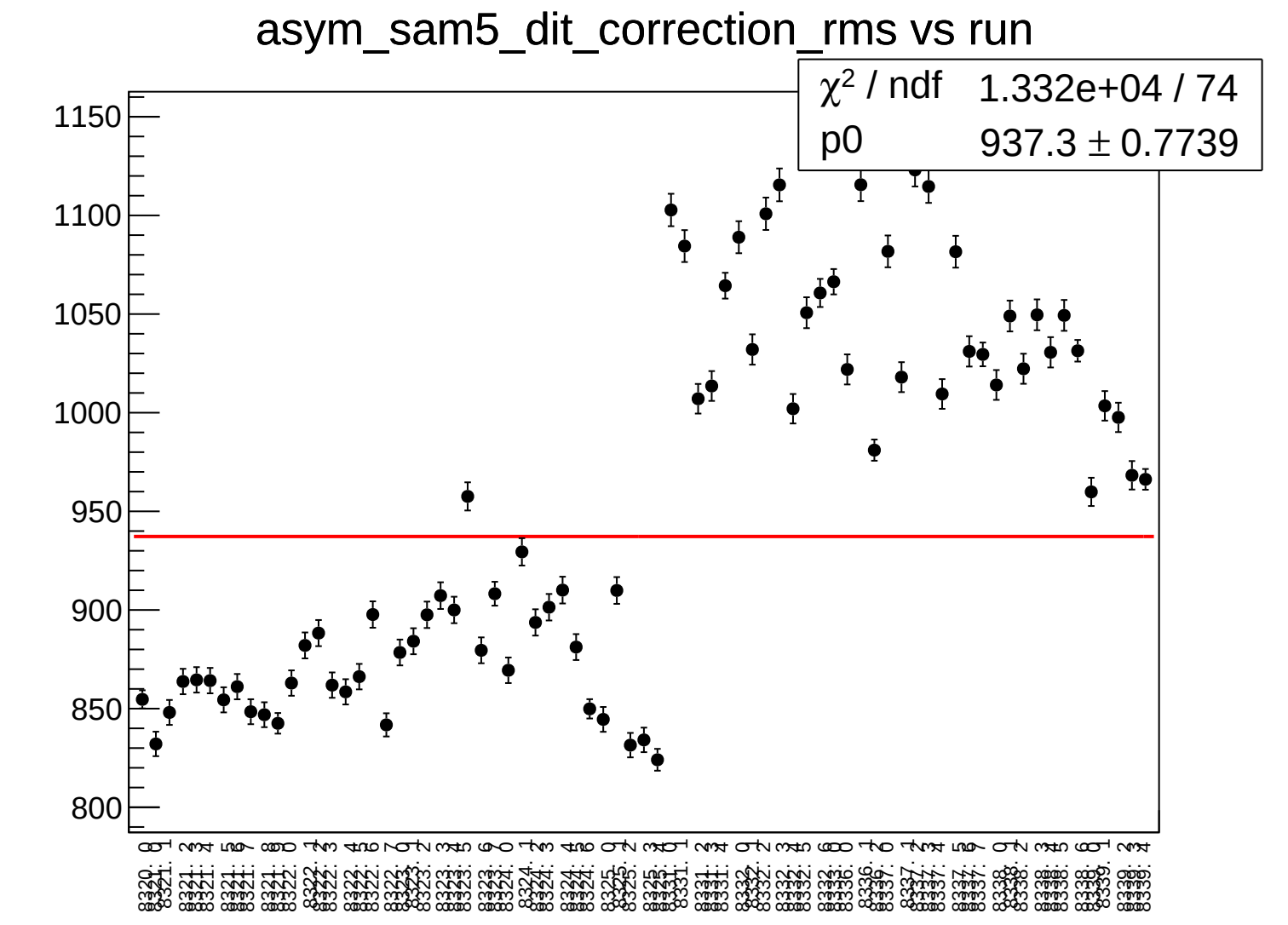

dit_asym_sam5_mean vs run
χ² / ndf 100.8 / 74
p0 −167.7 ± 153.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean −296.3
Std Dev 0
2
1
0
−1
−2

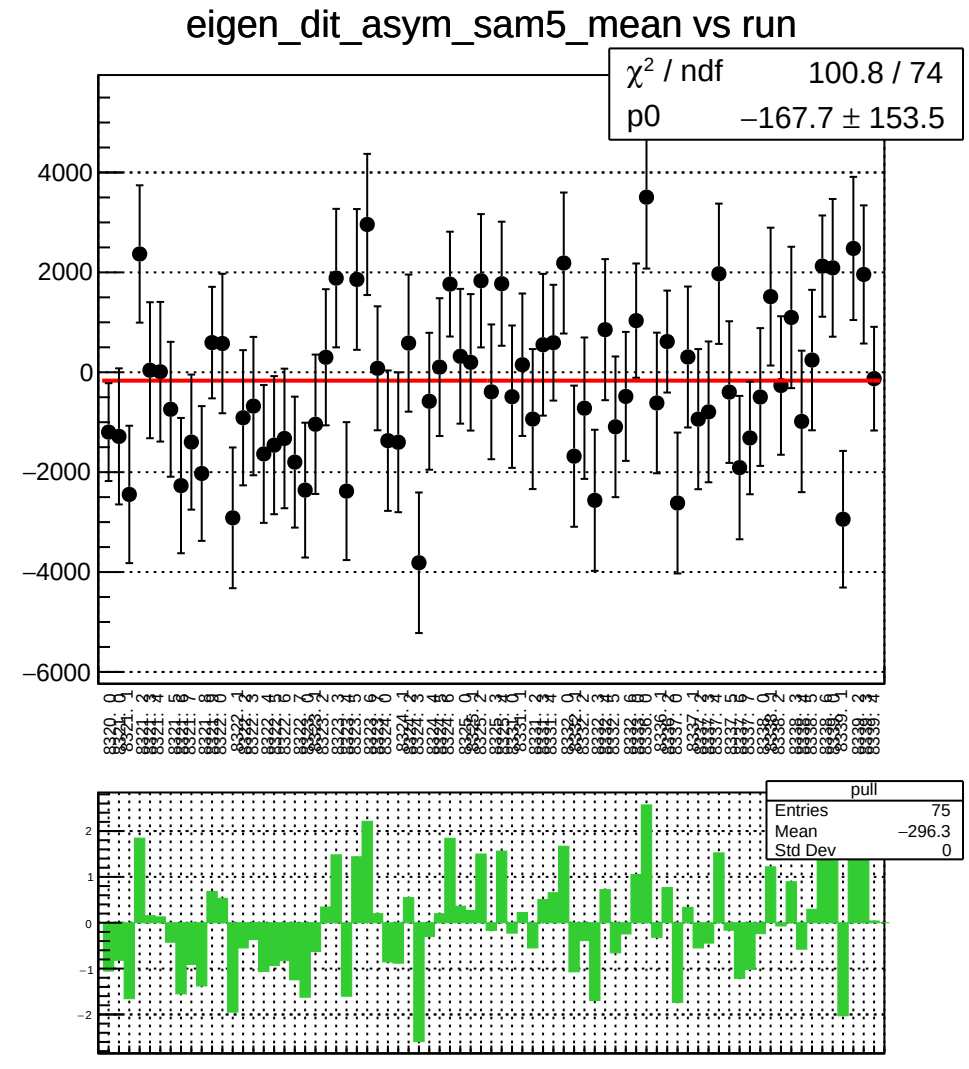

pull1D
Entries 75
Mean −0.02023
Std Dev 1.159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

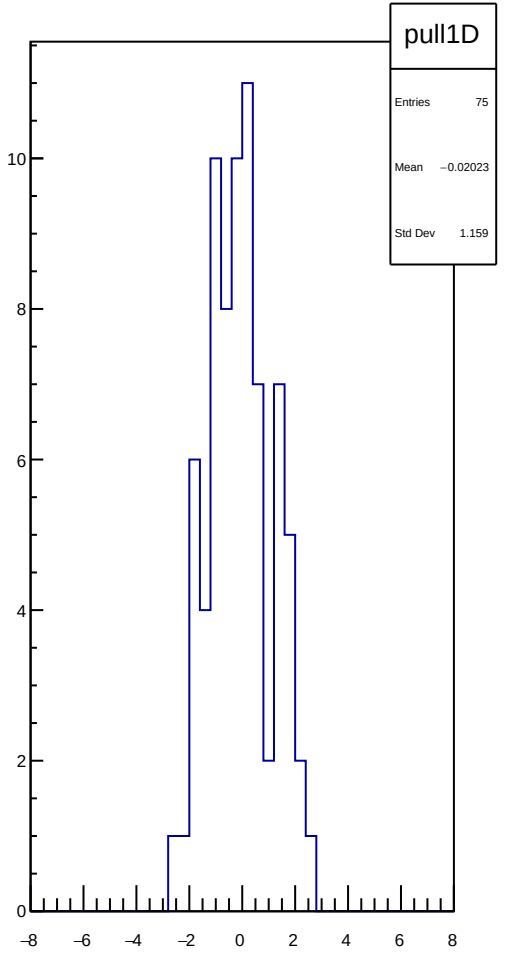

dit_asym_sam5_rms vs run
χ^2 / ndf 539 / 74
p0 132 ± 0.1085
138
136
134
132
130
128
126

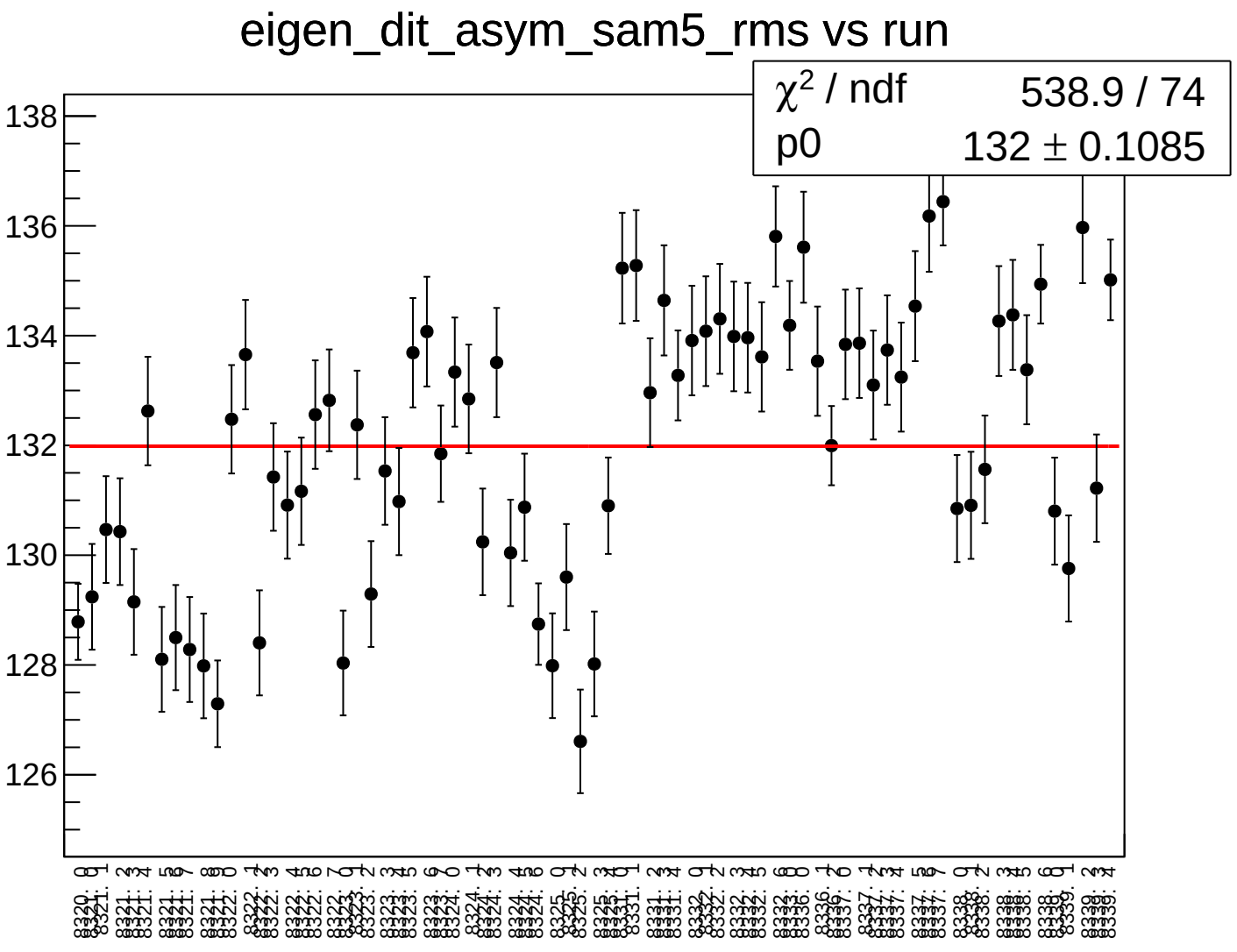

asym_sam5_dit_correction_mean vs run
χ² / ndf 86.8 / 74
p0 −4388 ± 1094
pull
Entries 75
Mean −645.1
Std Dev 0

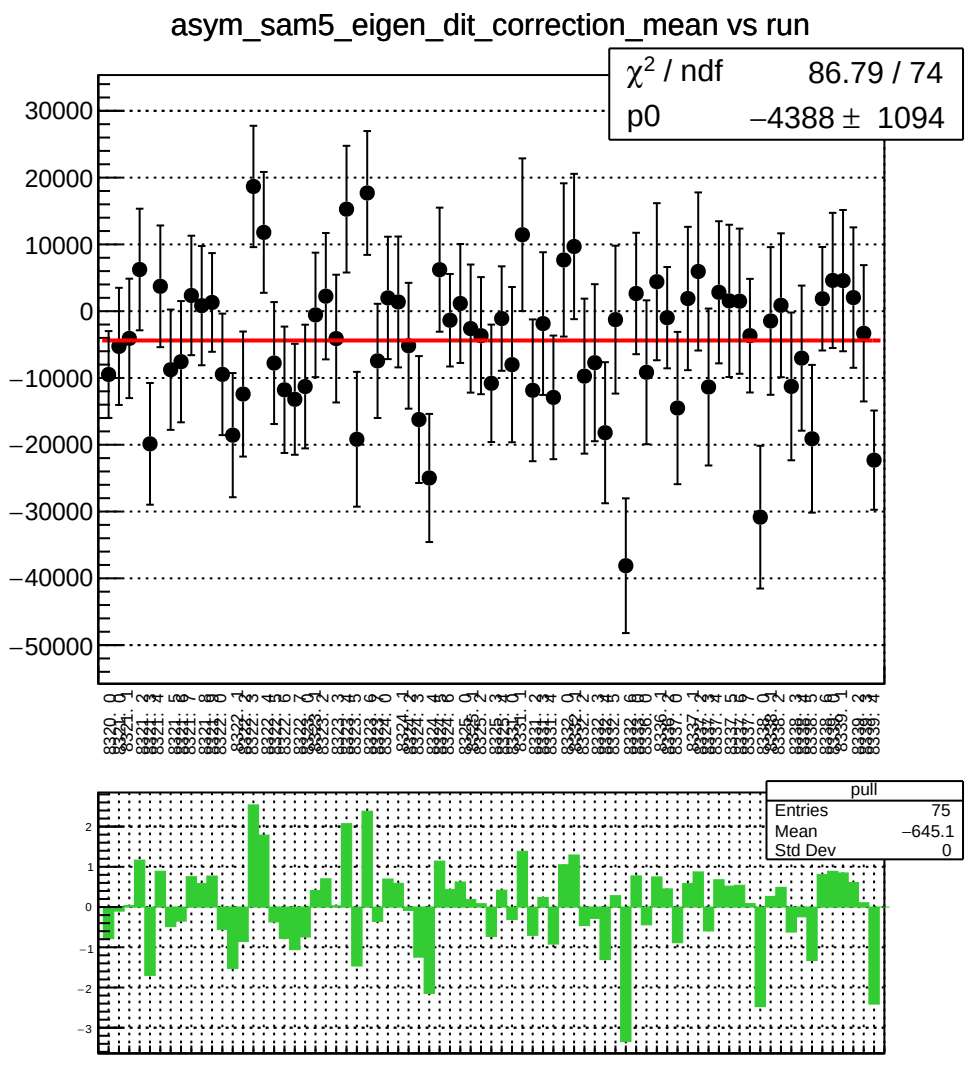

pull1D
Entries 75
Mean 0.002072
Std Dev 1.076

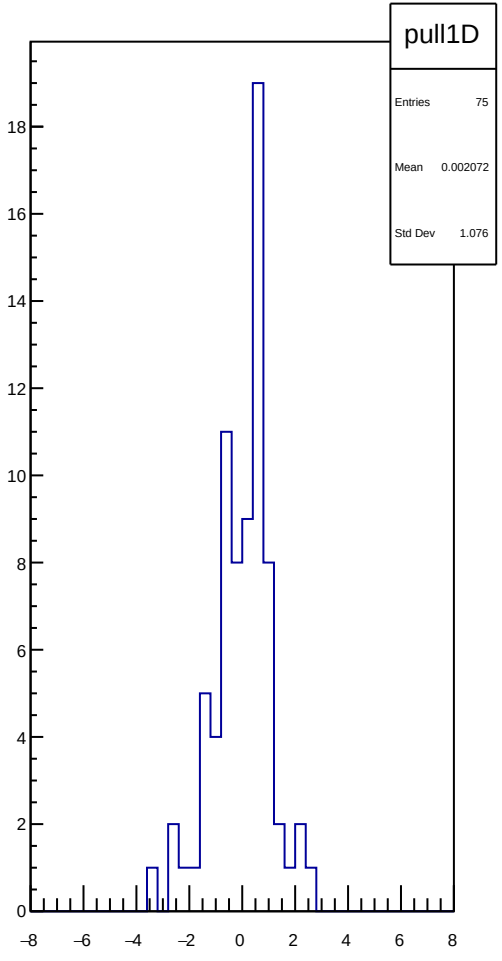

asym_sam5_dit_correction_rms vs run
χ² / ndf 1.332e+04 / 74
p0 937.3 ± 0.7739
1150
1100
1050
1000
950
900
850
800

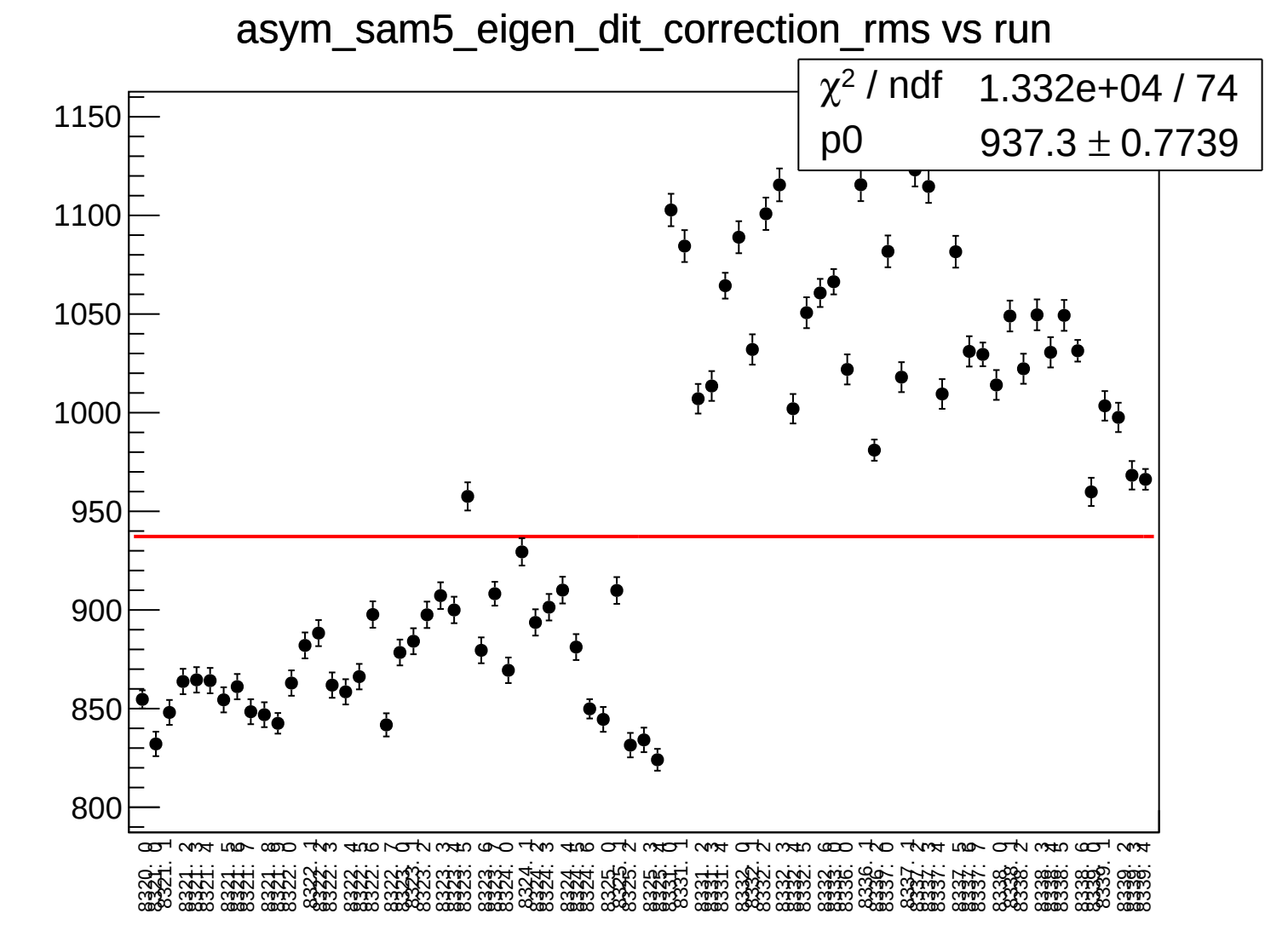

eigen_dit_asym_sam5_mean vs run
χ^2 / ndf 100.8 / 74
p0 −167.7 ± 153.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean −296.3
Std Dev 0
2
1
0
−1
−2

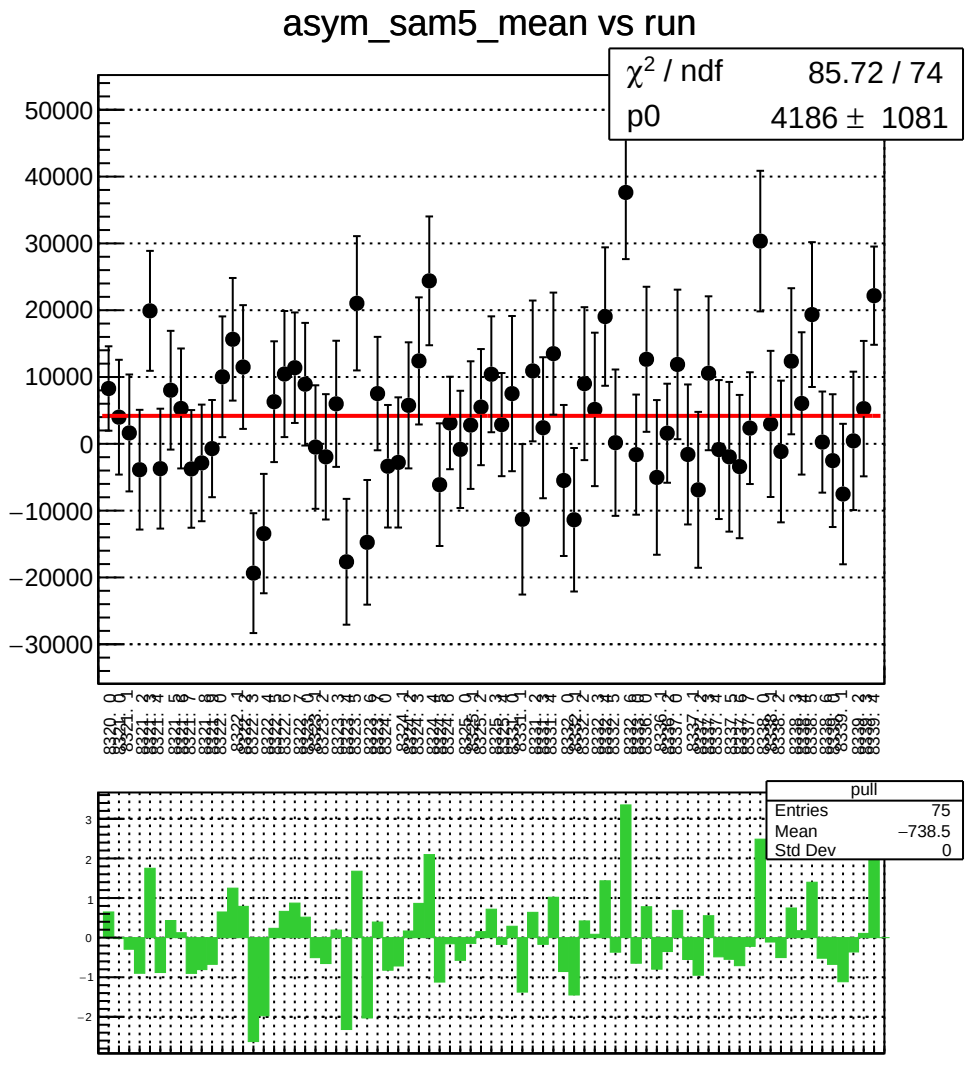

pull1D
Entries 75
Mean −0.02023
Std Dev 1.159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

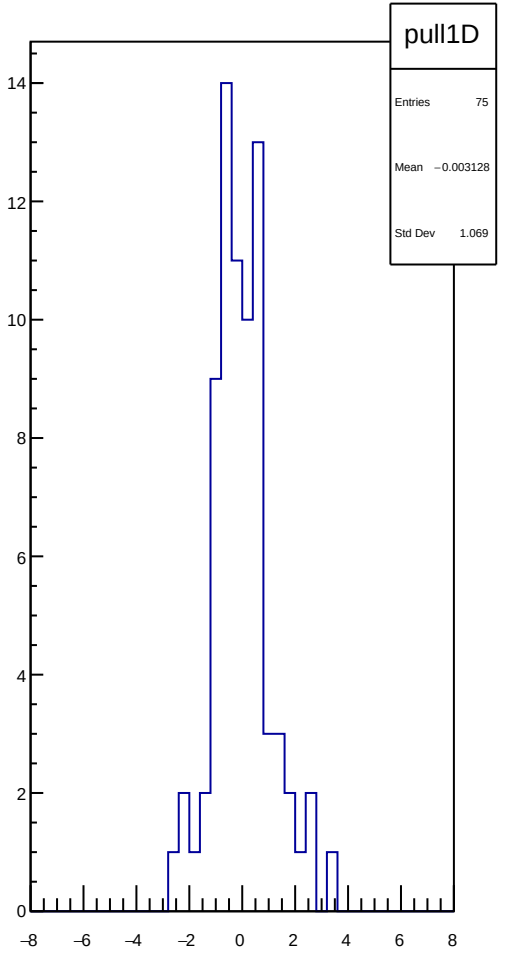

eigen_dit_asym_sam5_rms vs run
χ^2 / ndf 538.9 / 74
p0 132 ± 0.1085
138
136
134
132
130
128
126

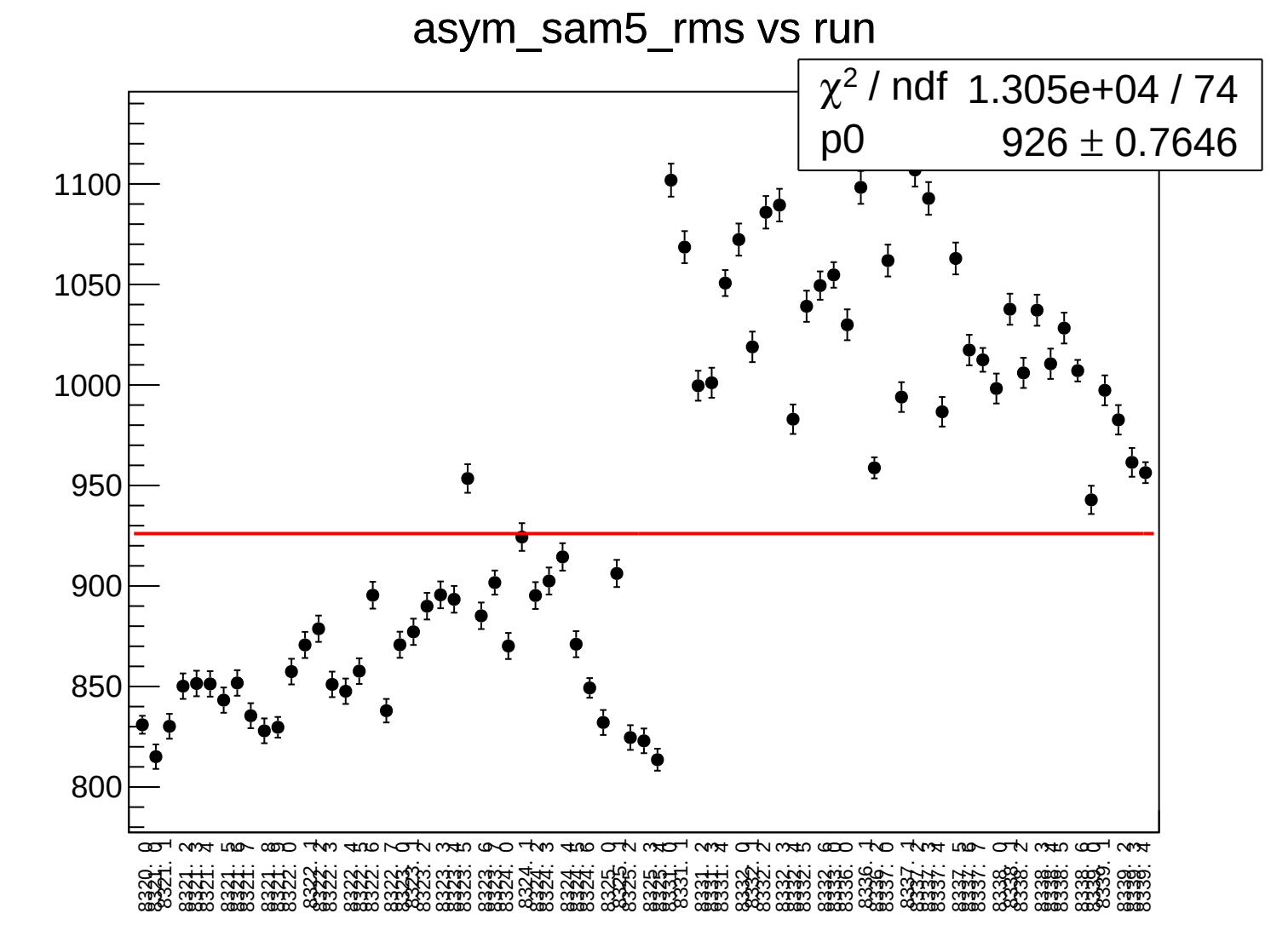

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 86.79 / 74
p0 −4388 ± 1094
pull
Entries 75
Mean −645.1
Std Dev 0

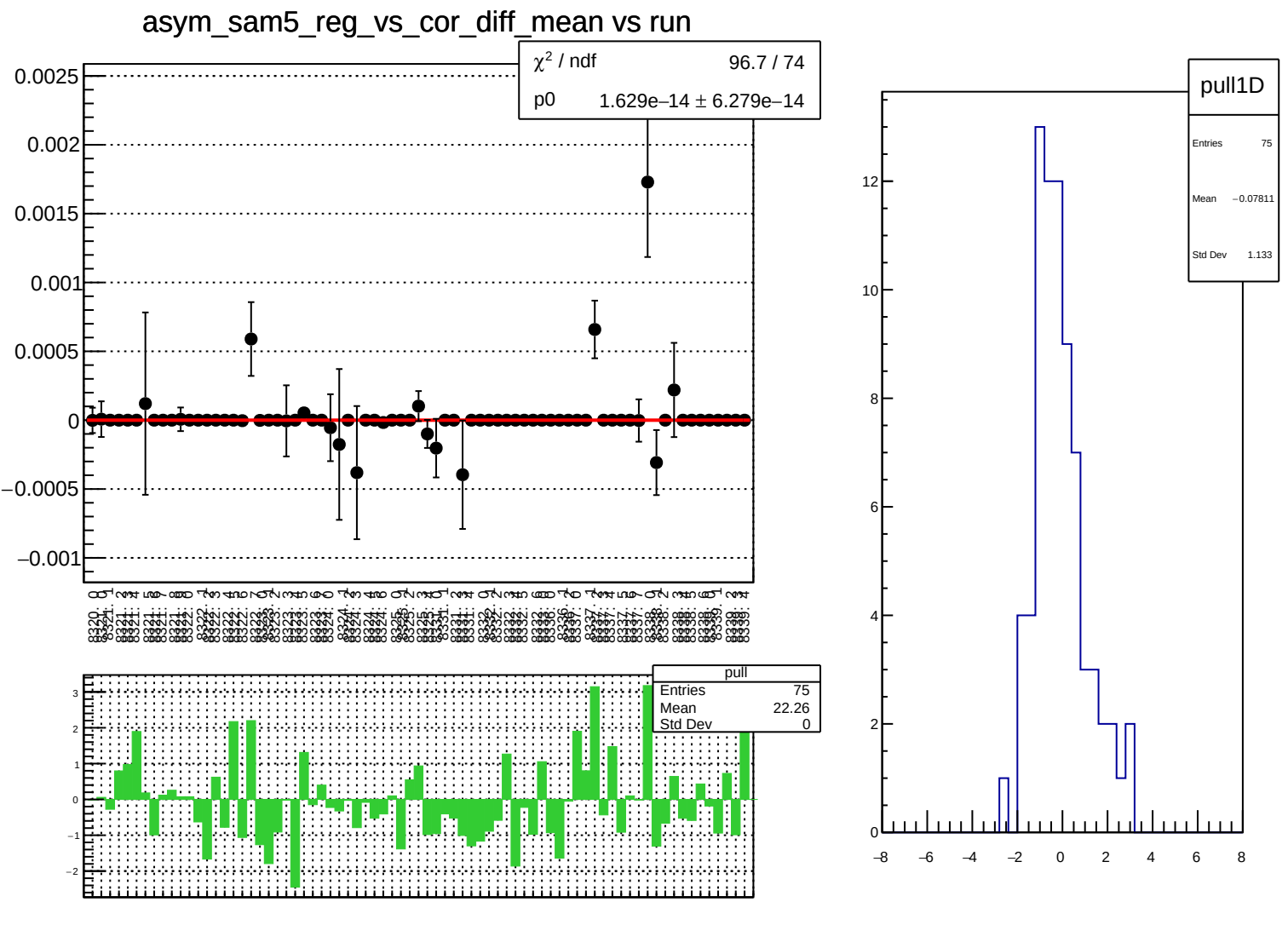

pull1D
Entries 75
Mean 0.002072
Std Dev 1.076

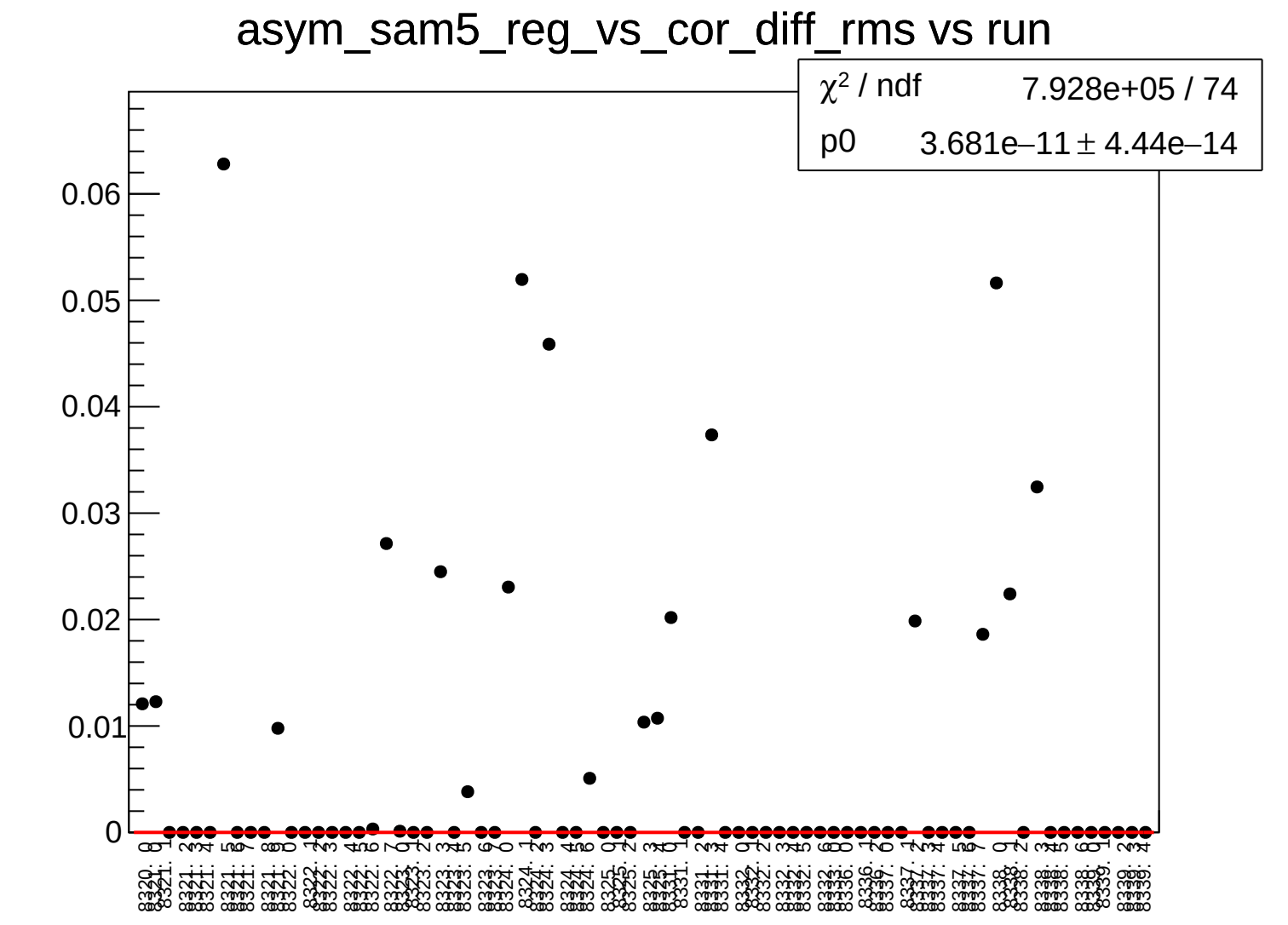

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 1.332e+04 / 74
p0 937.3 ± 0.7739
1150
1100
1050
1000
950
900
850
800

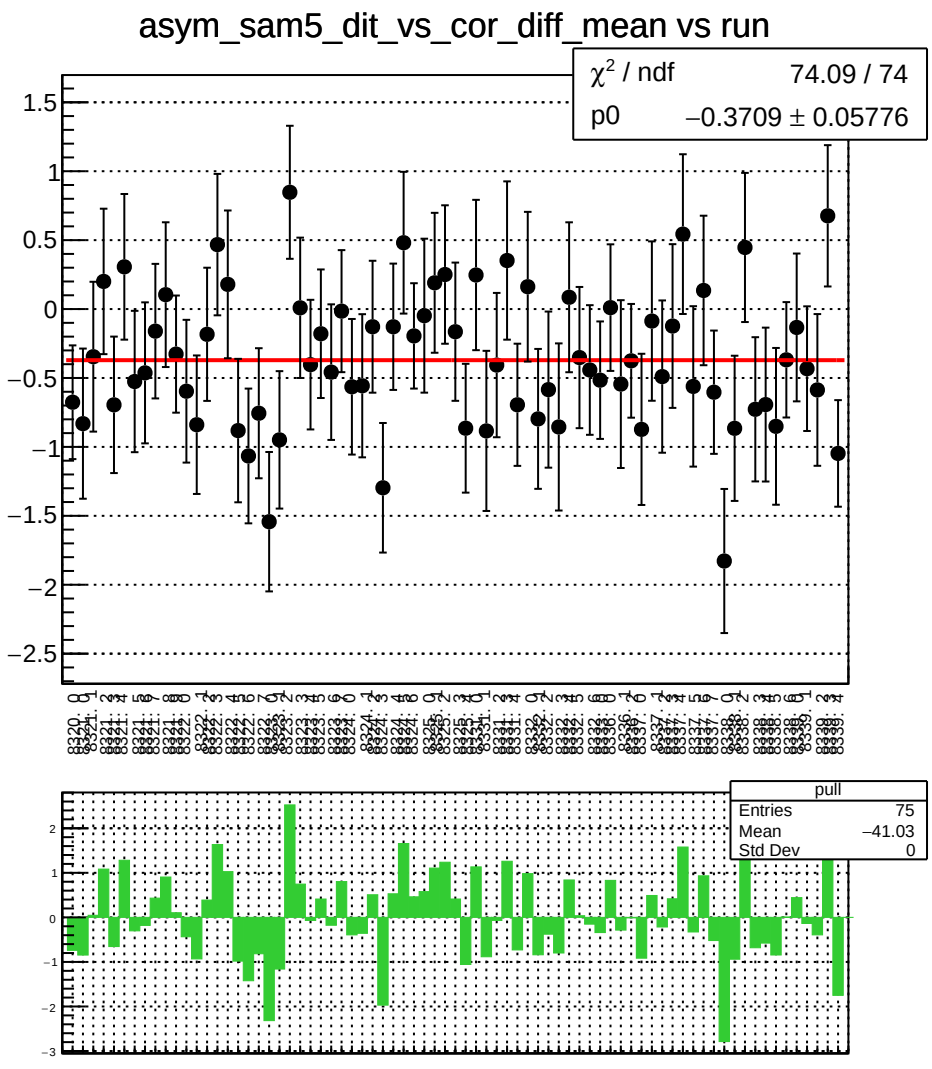

asym_sam5_mean vs run
χ² / ndf 85.72 / 74
p0 4186 ± 1081
pull
Entries 75
Mean −738.5
Std Dev 0

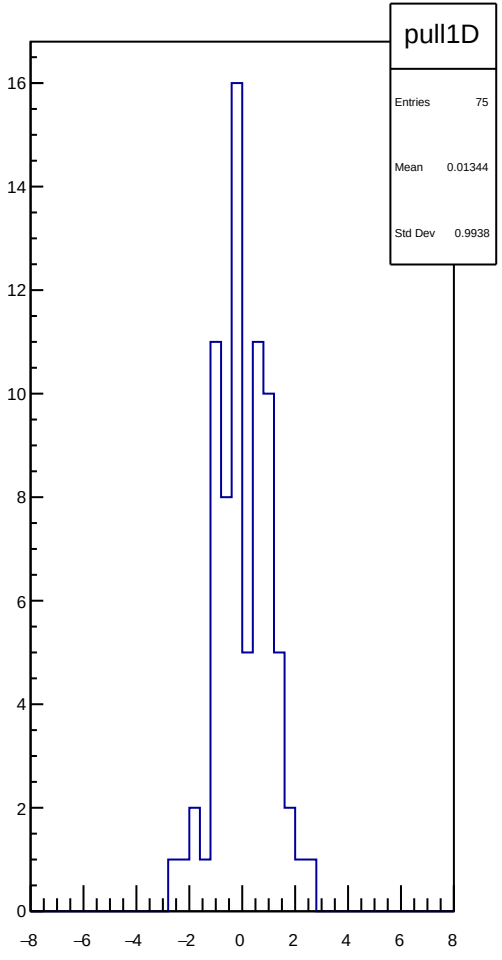

pull1D
Entries 75
Mean −0.003128
Std Dev 1.069

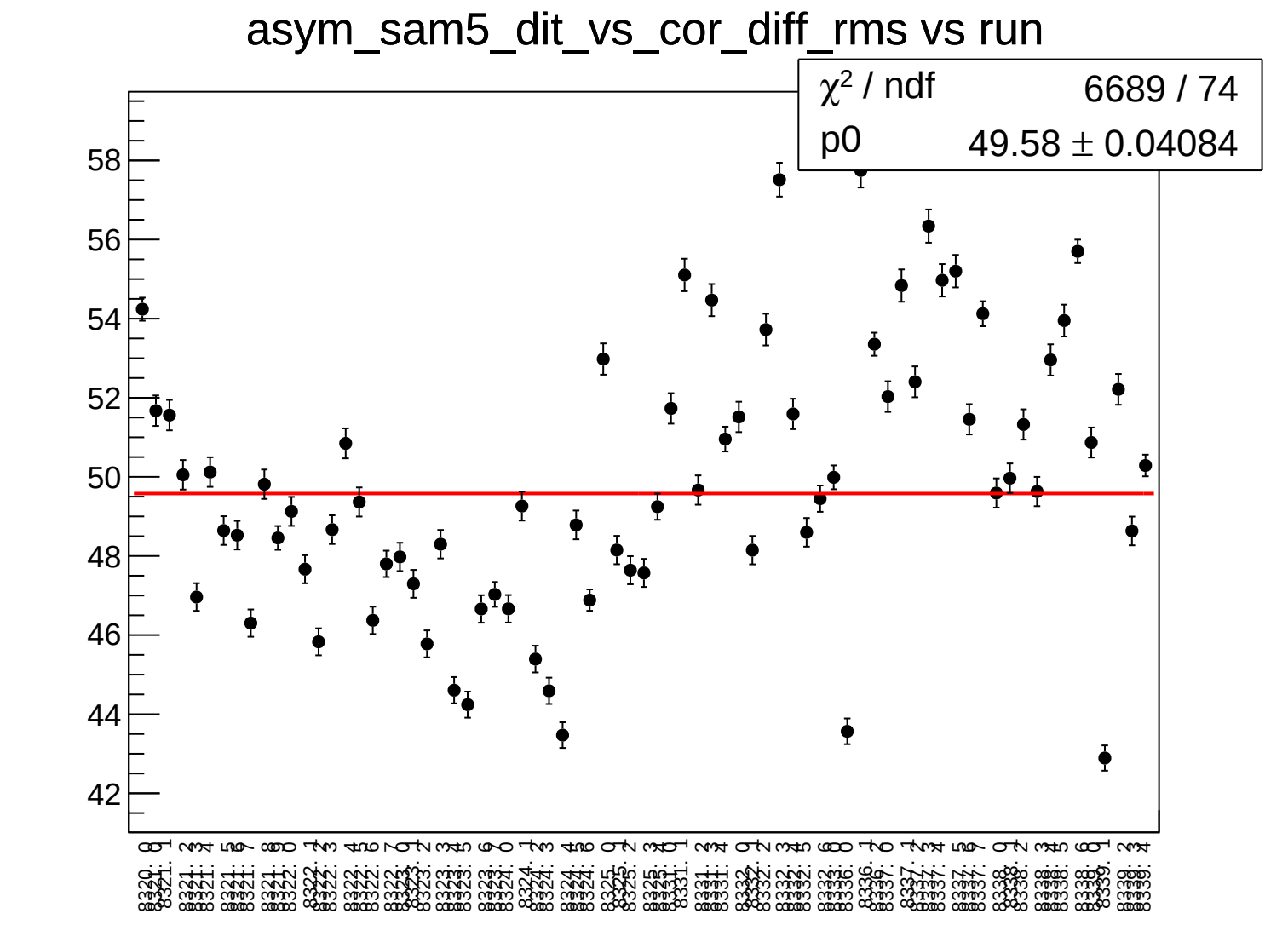

asym_sam5_rms vs run
χ² / ndf 1.305e+04 / 74
p0 926 ± 0.7646
1100
1050
1000
950
900
850
800

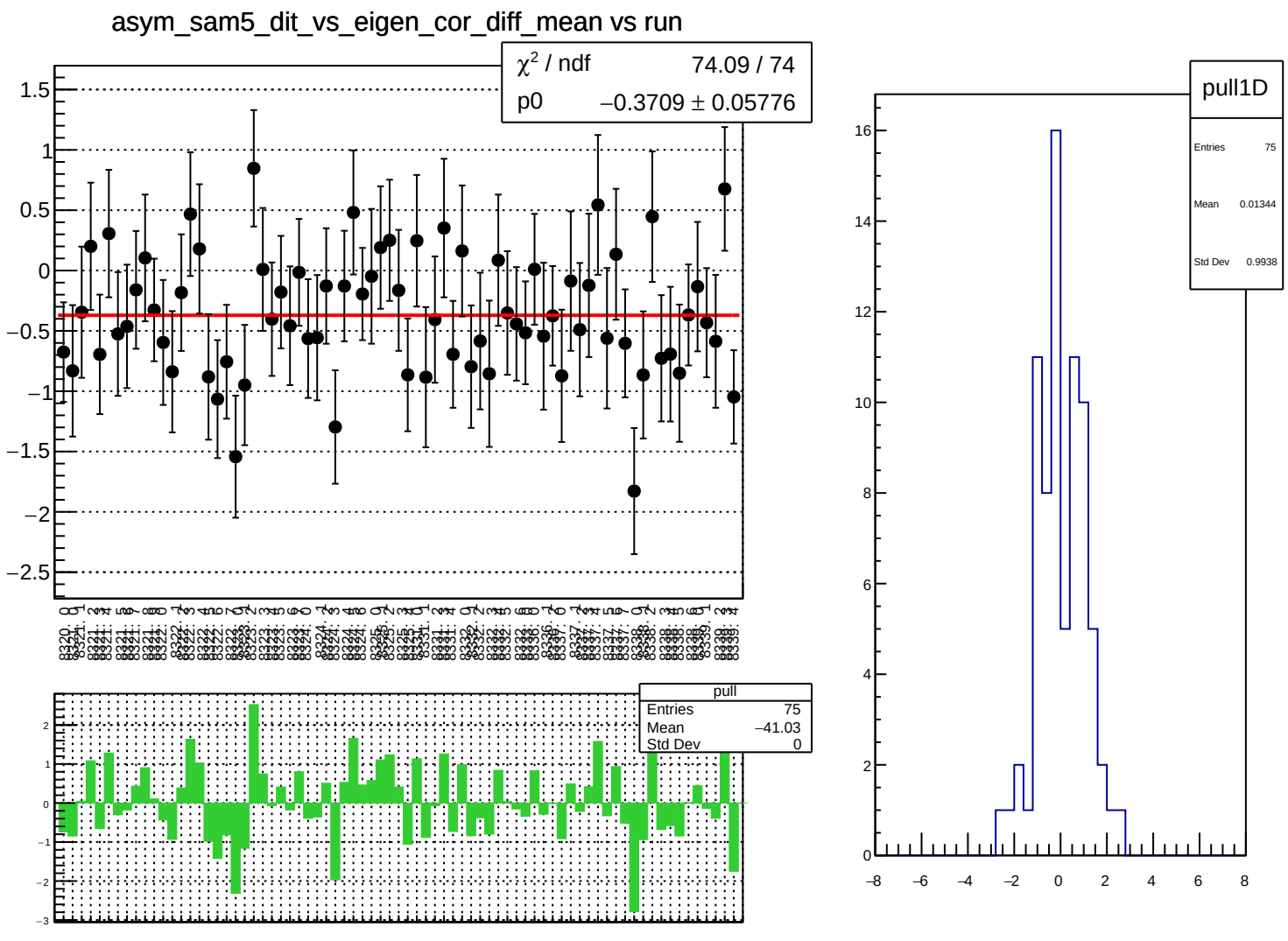

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 96.7 / 74
p0 1.629e−14 ± 6.279e−14
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean 22.26
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.07811
Std Dev 1.133
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

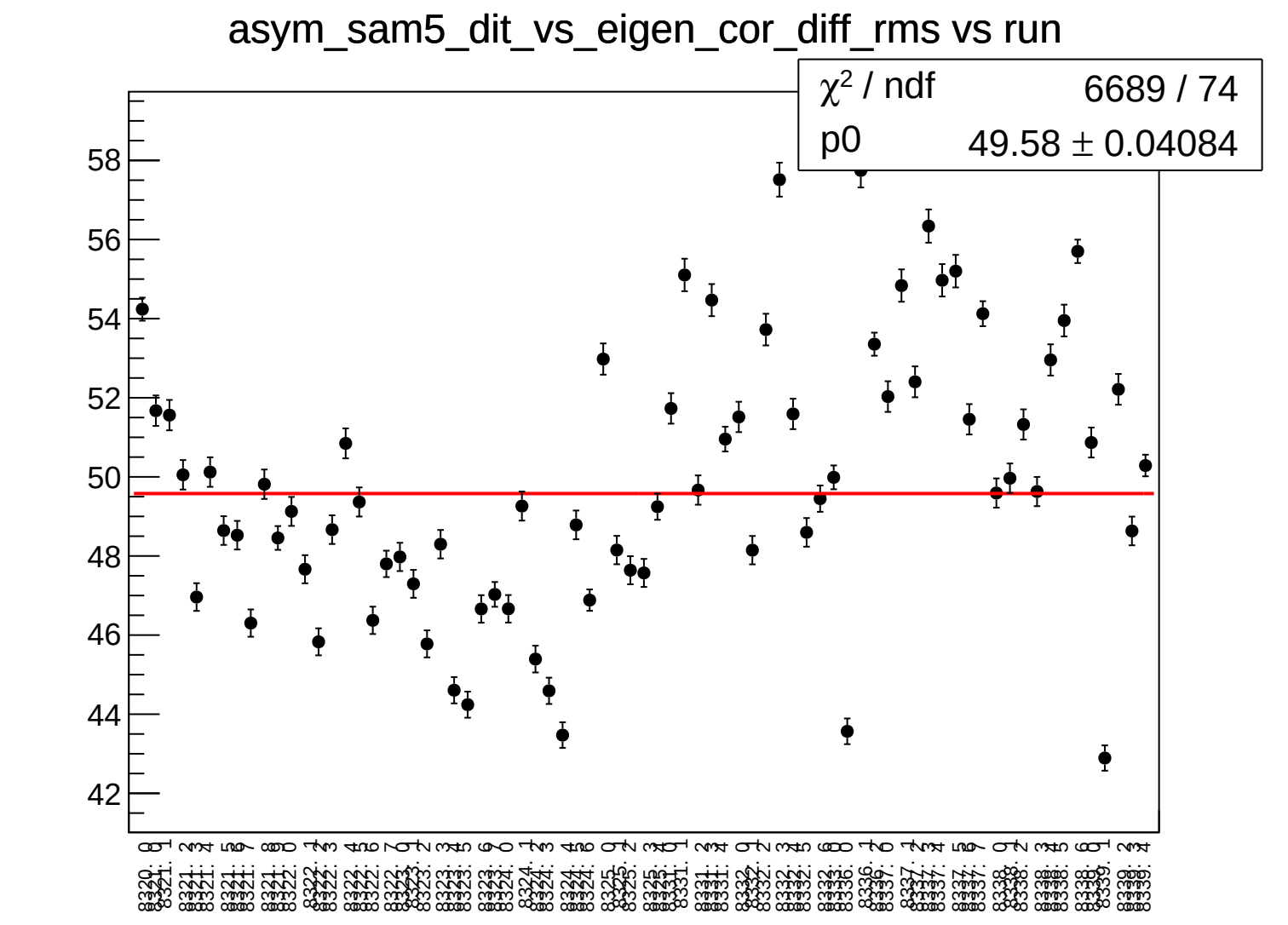

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 7.928e+05 / 74
p0 3.681e−11 ± 4.44e−14
0.06
0.05
0.04
0.03
0.02
0.01
0

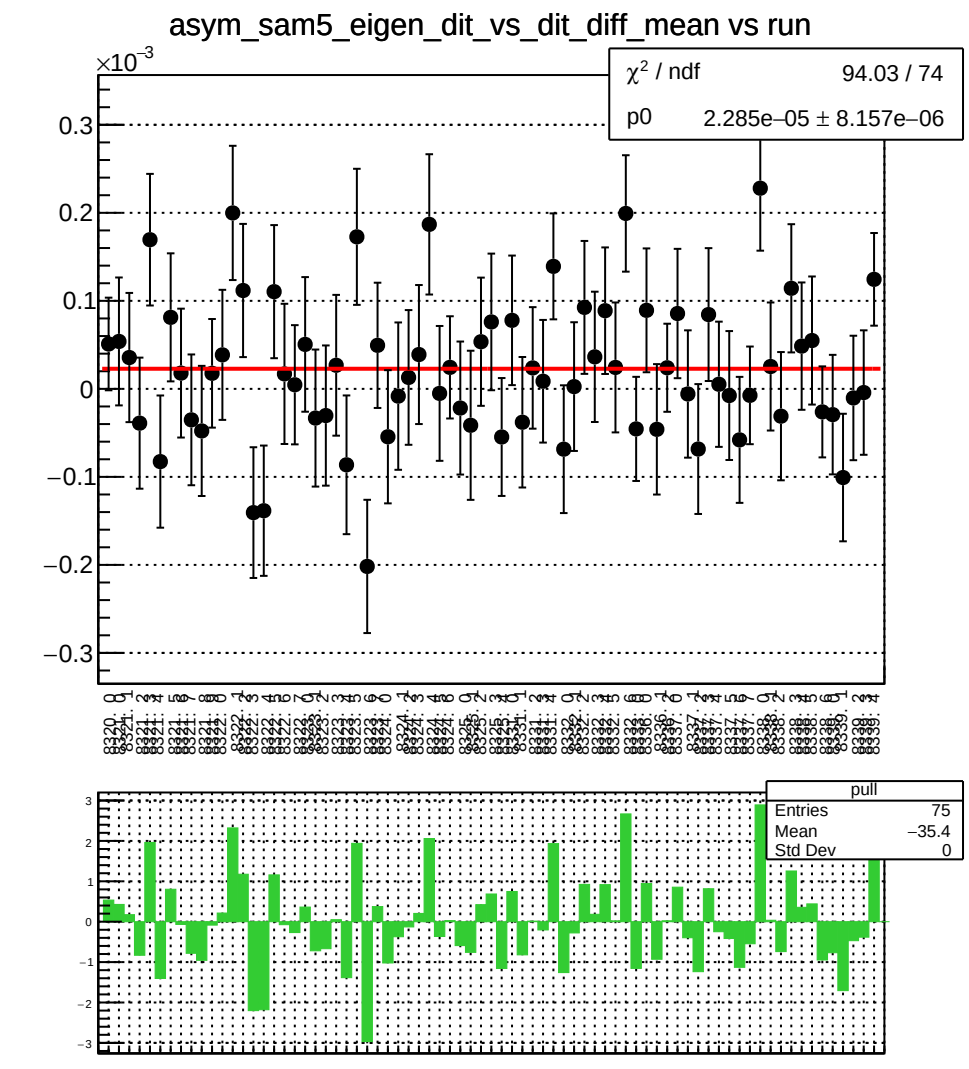

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 74.09 / 74
p0 −0.3709 ± 0.05776
pull
Entries 75
Mean −41.03
Std Dev 0

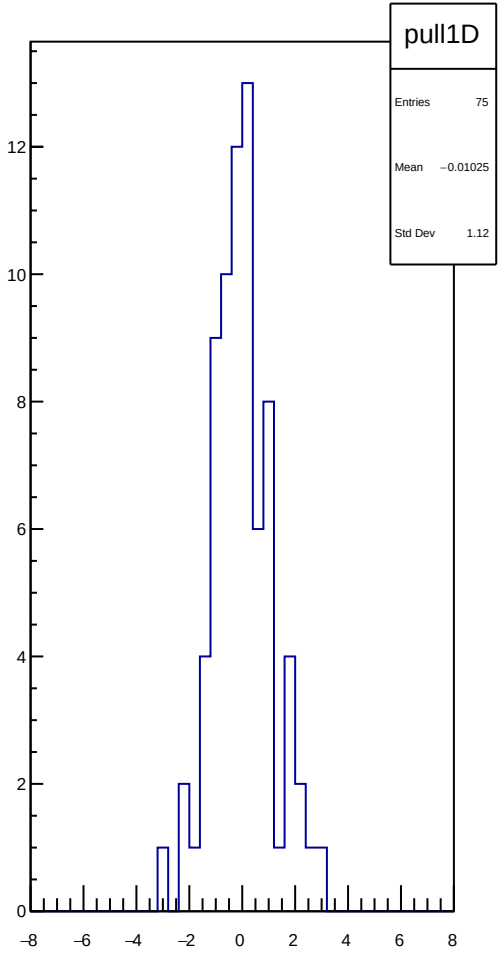

pull1D
Entries 75
Mean 0.01344
Std Dev 0.9938

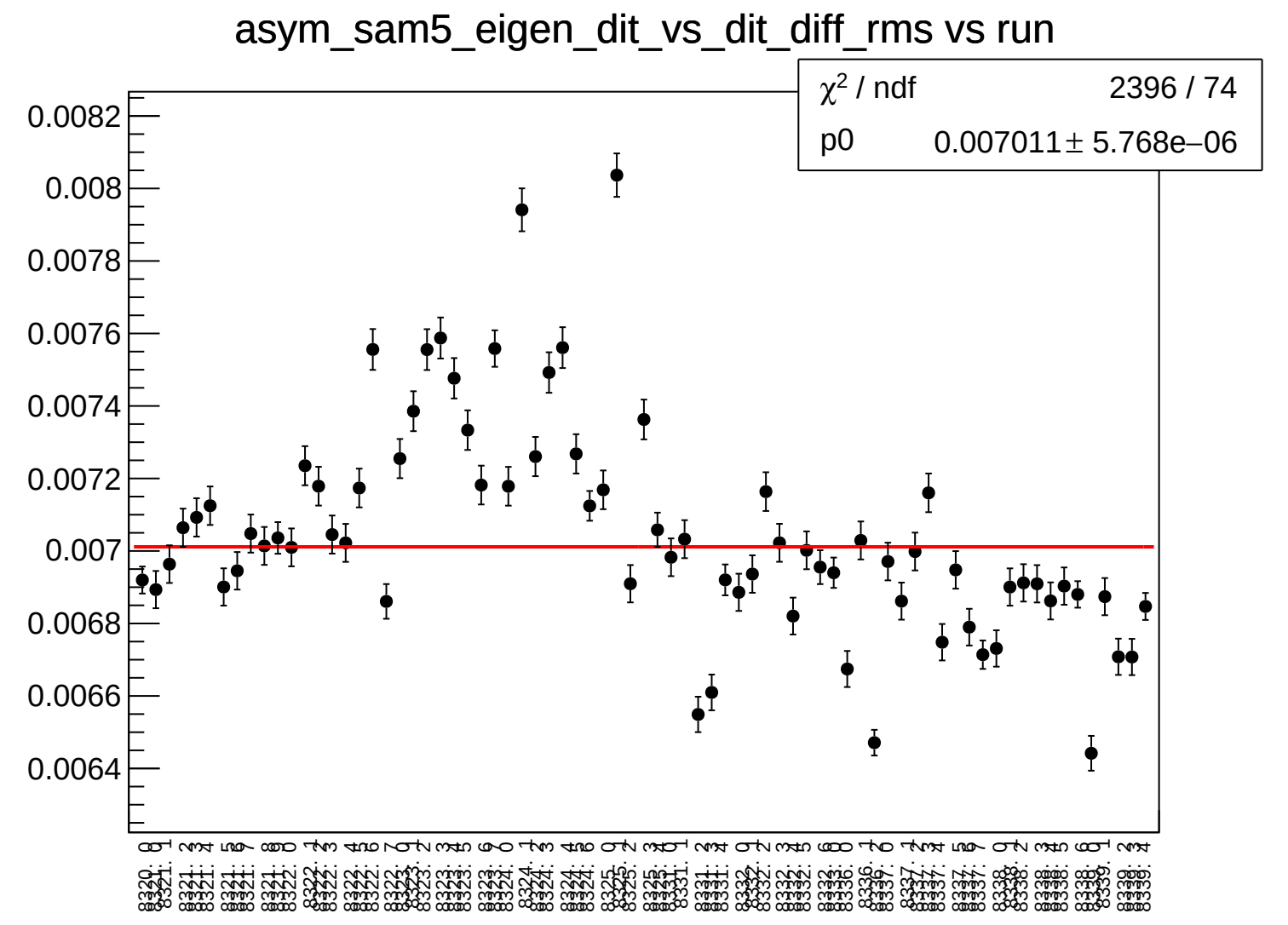

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 6689 / 74
p0 49.58 ± 0.04084
58
56
54
52
50
48
46
44
42

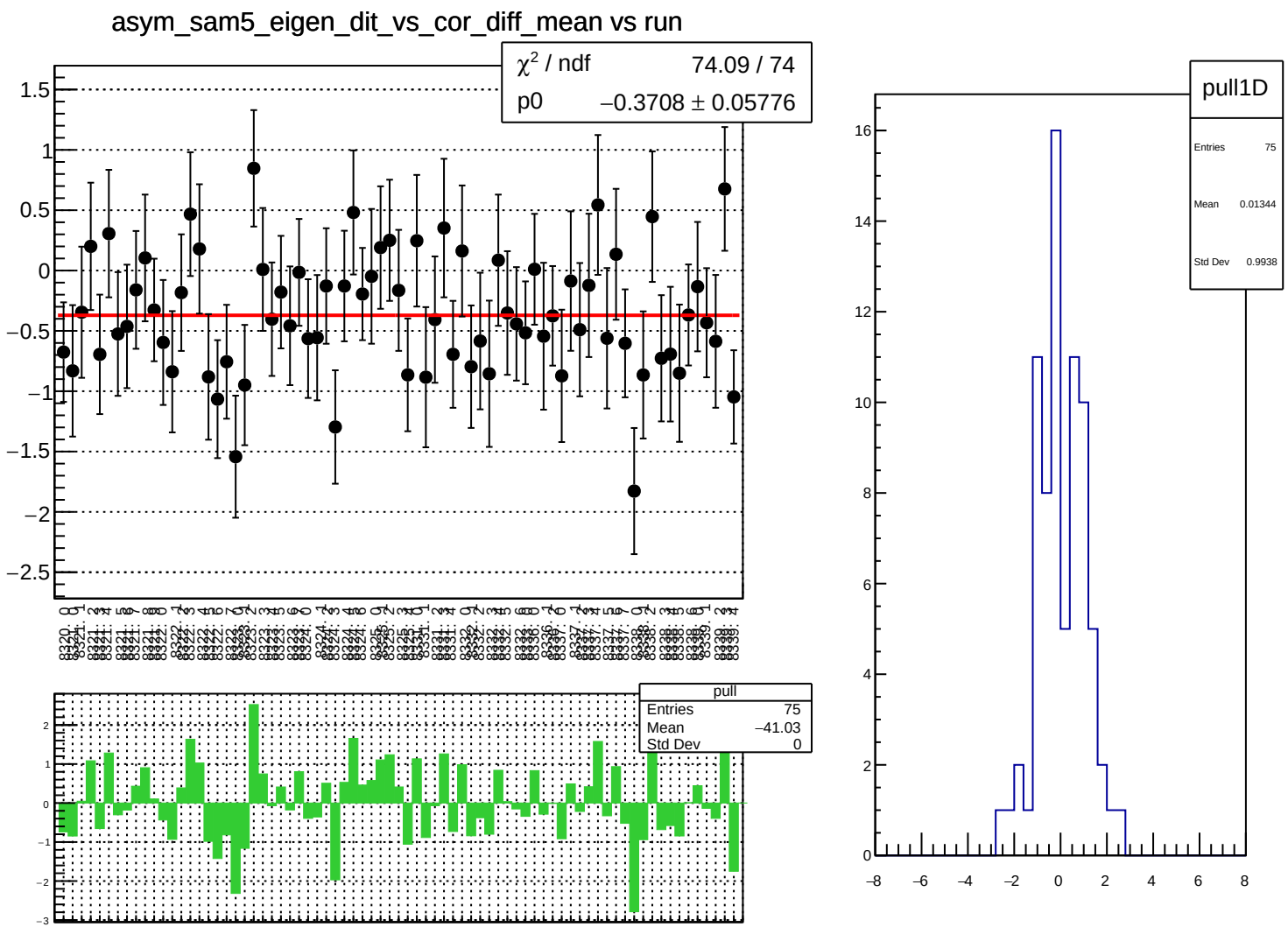

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.09 / 74
p0 −0.3709 ± 0.05776
pull
Entries 75
Mean −41.03
Std Dev 0
pull1D
Entries 75
Mean 0.01344
Std Dev 0.9938

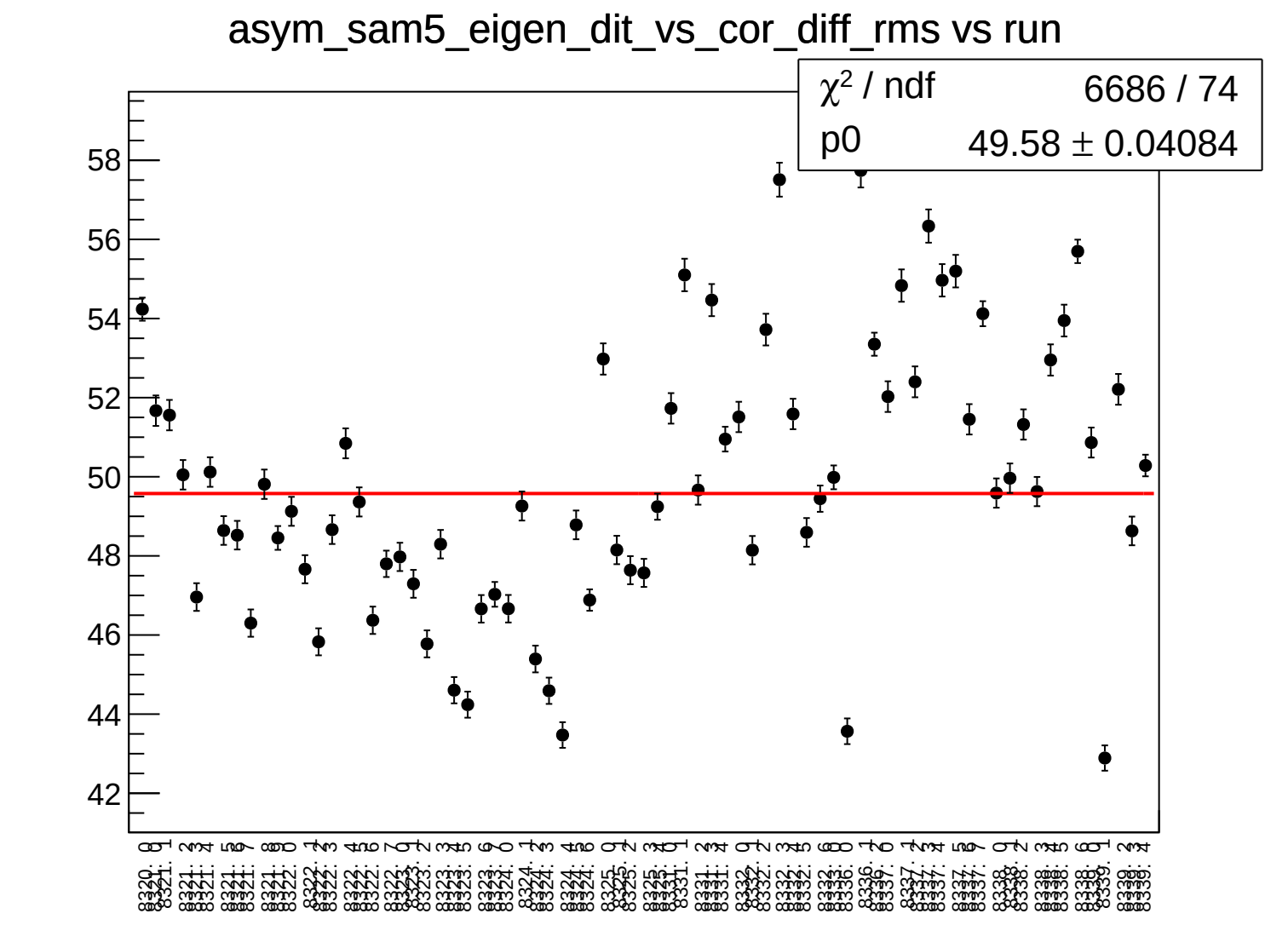

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6689 / 74
p0 49.58 ± 0.04084
58
56
54
52
50
48
46
44
42

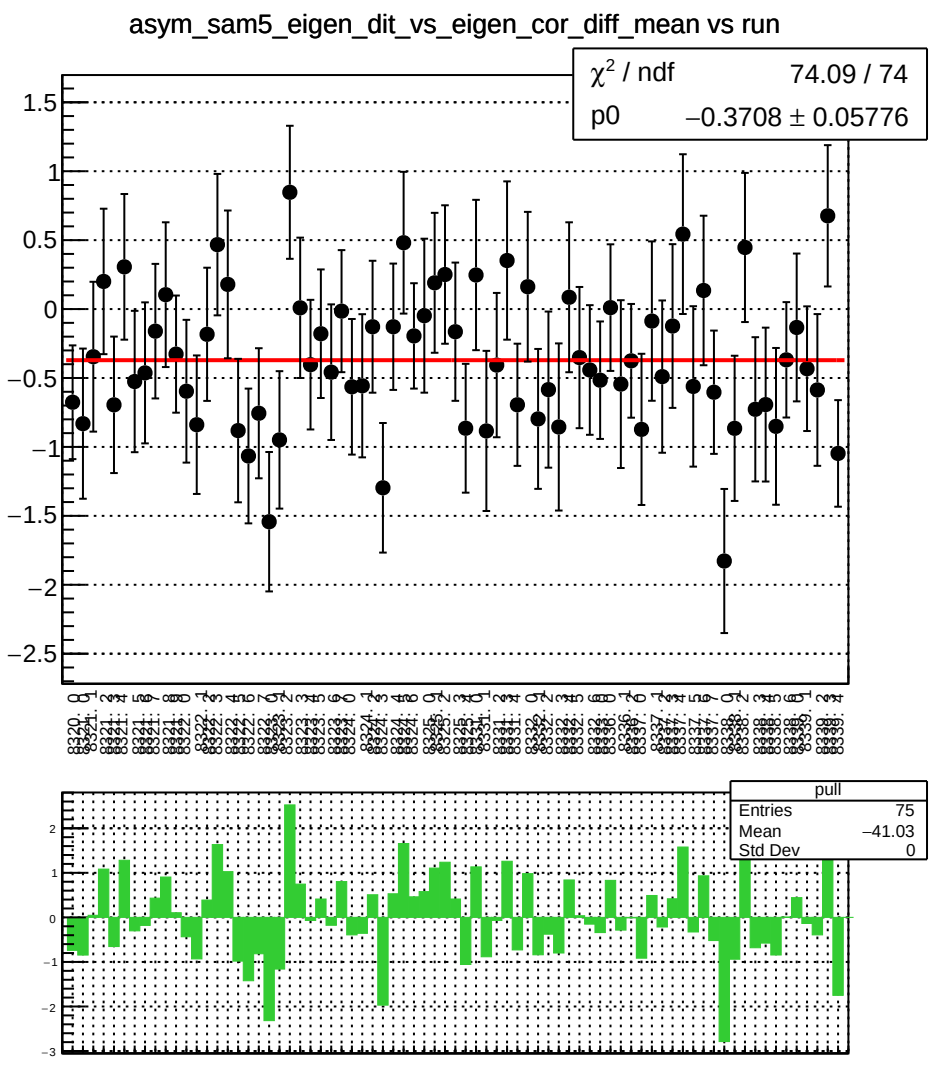

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 94.03 / 74
p0 2.285e−05 ± 8.157e−06
pull
Entries 75
Mean −35.4
Std Dev 0

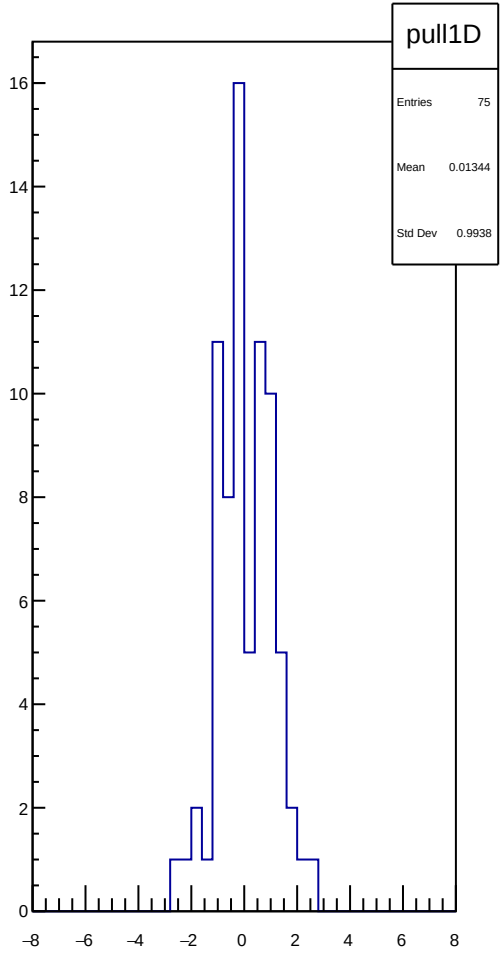

pull1D
Entries 75
Mean −0.01025
Std Dev 1.12

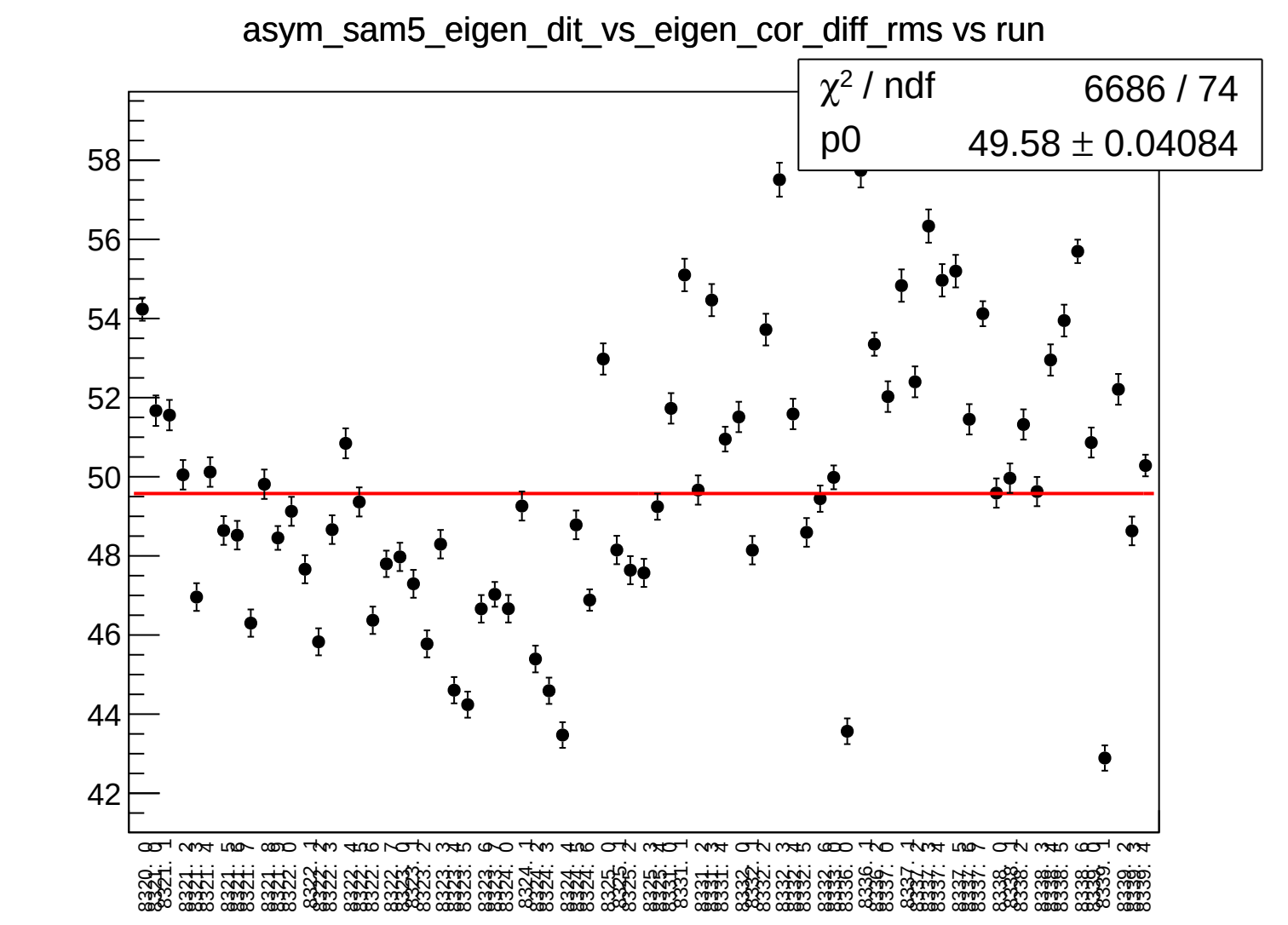

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2396 / 74
p0 0.007011 ± 5.768e−06
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

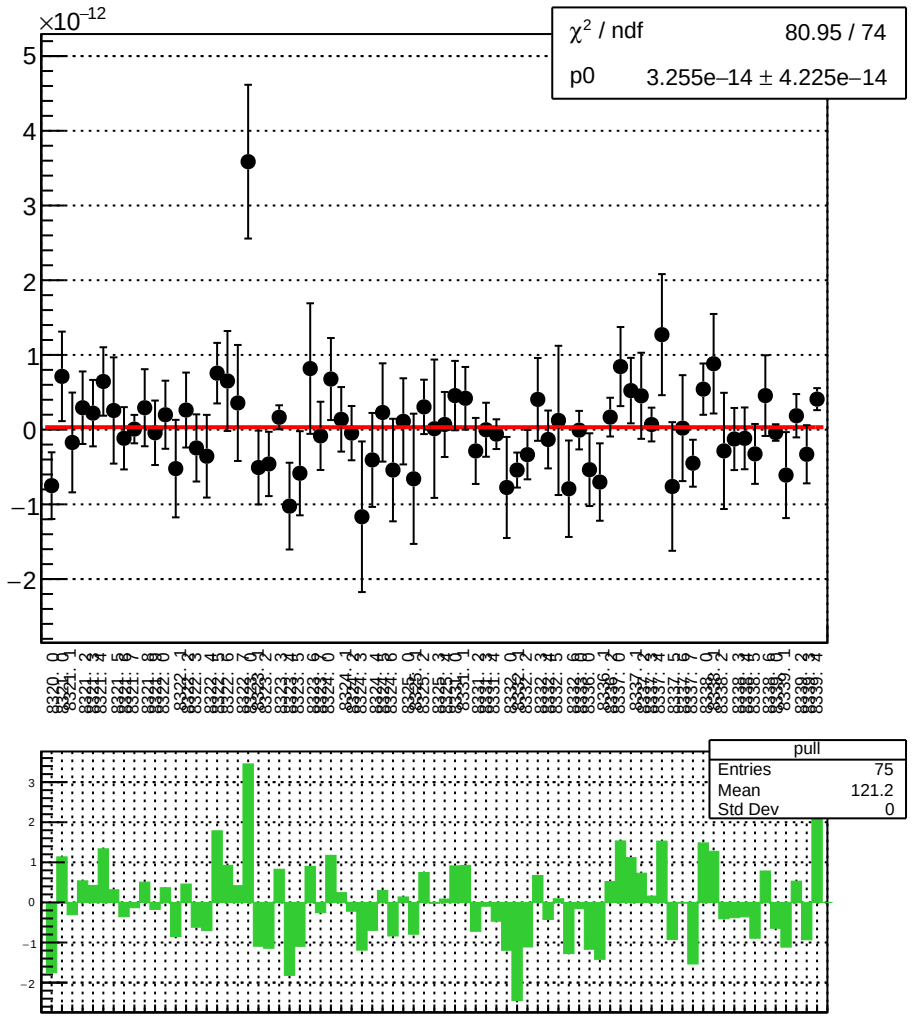

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 74.09 / 74
p0 −0.3708 ± 0.05776
pull
Entries 75
Mean −41.03
Std Dev 0
pull1D
Entries 75
Mean 0.01344
Std Dev 0.9938

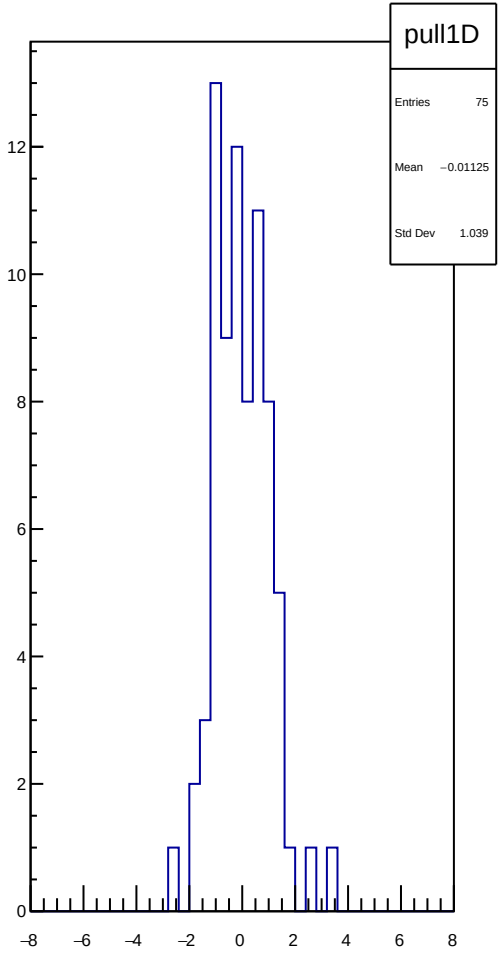

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6686 / 74
p0 49.58 ± 0.04084
58
56
54
52
50
48
46
44
42

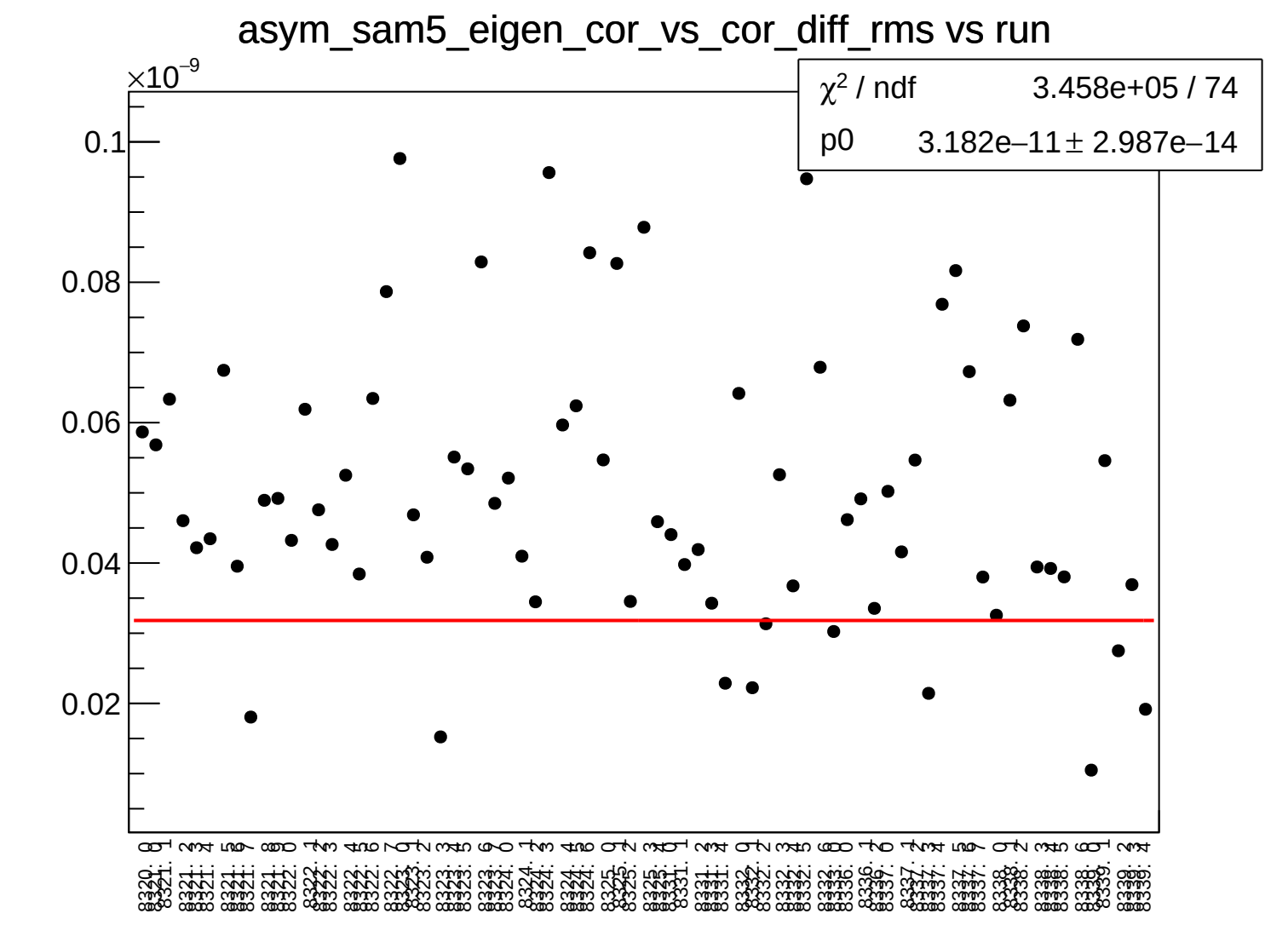

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 74.09 / 74
p0 −0.3708 ± 0.05776
pull
Entries 75
Mean −41.03
Std Dev 0

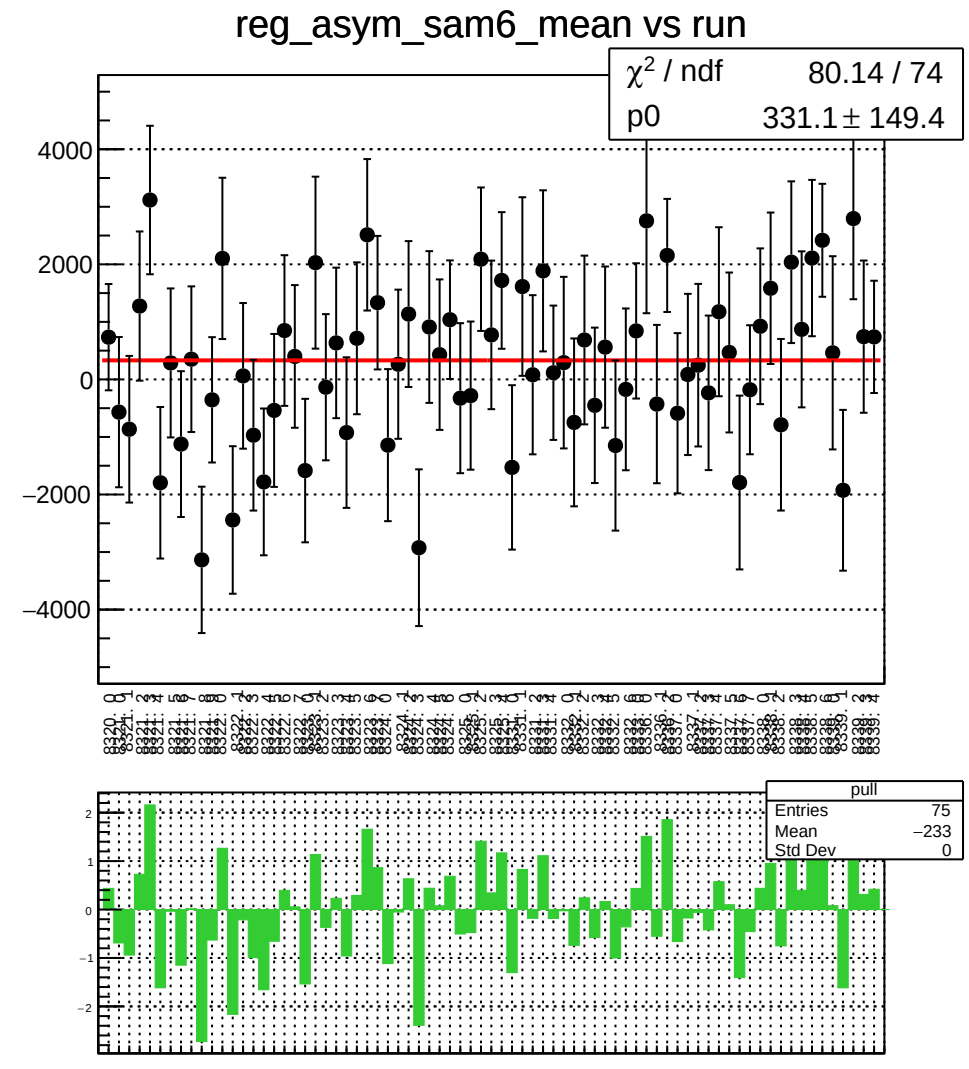

pull1D
Entries 75
Mean 0.01344
Std Dev 0.9938

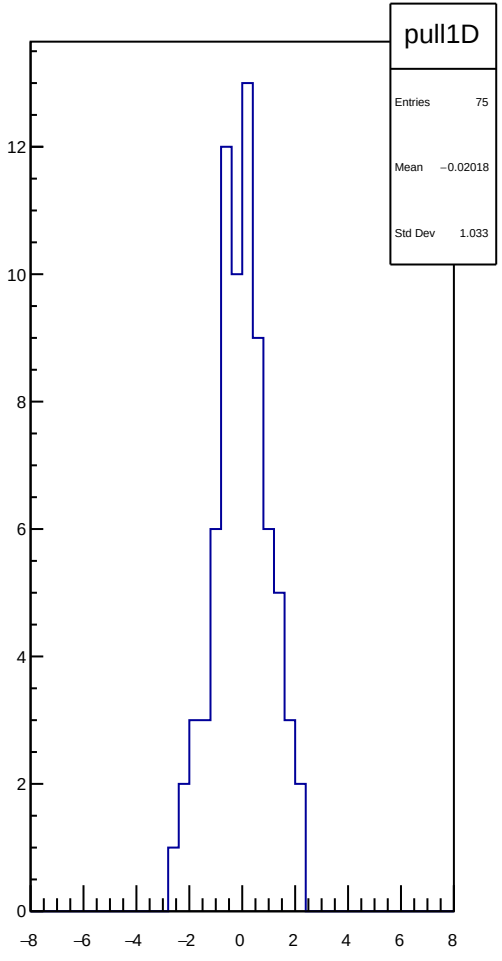

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6686 / 74
p0 49.58 ± 0.04084
58
56
54
52
50
48
46
44
42

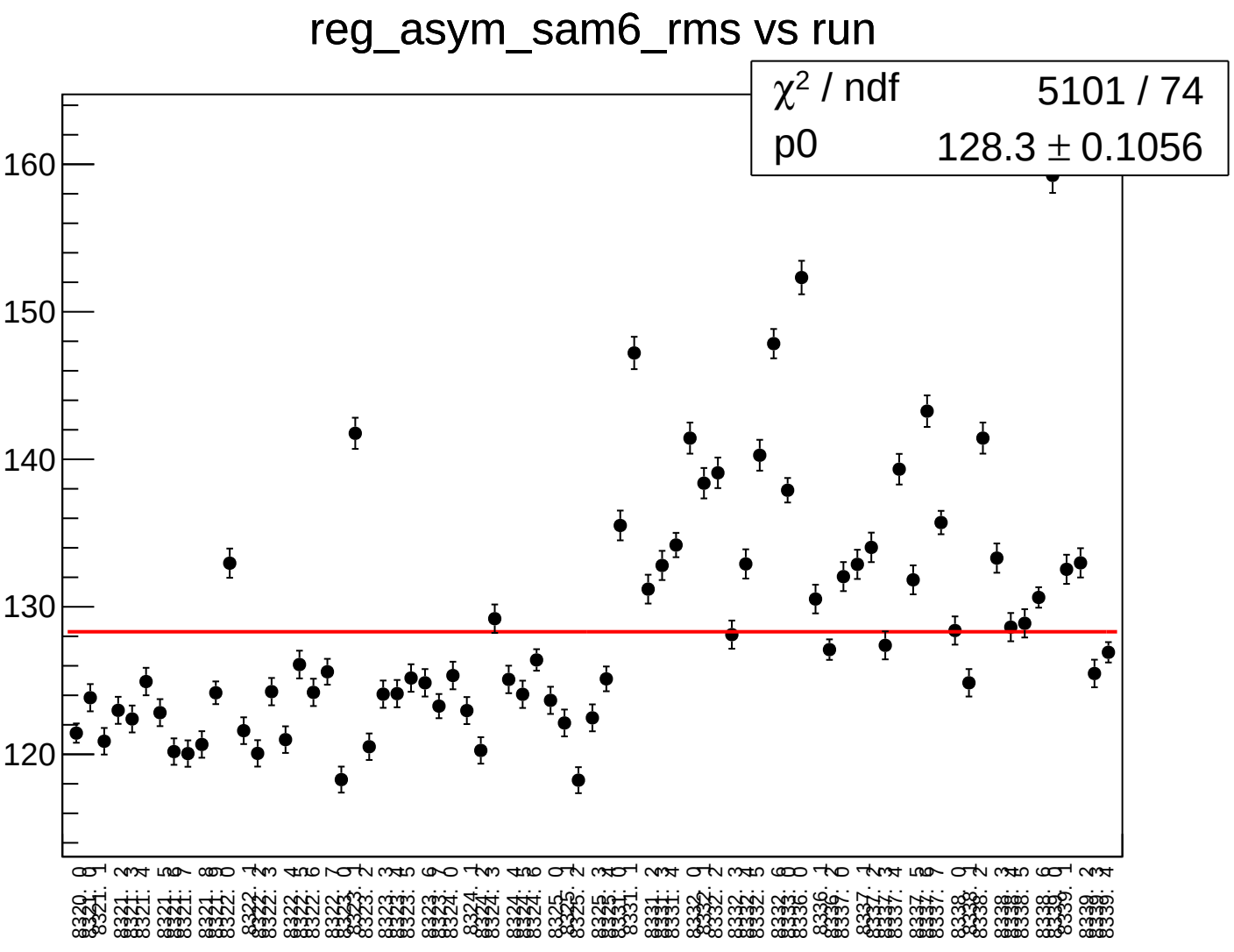

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 80.95 / 74
p0 3.255e−14 ± 4.225e−14
pull
Entries 75
Mean 121.2
Std Dev 0

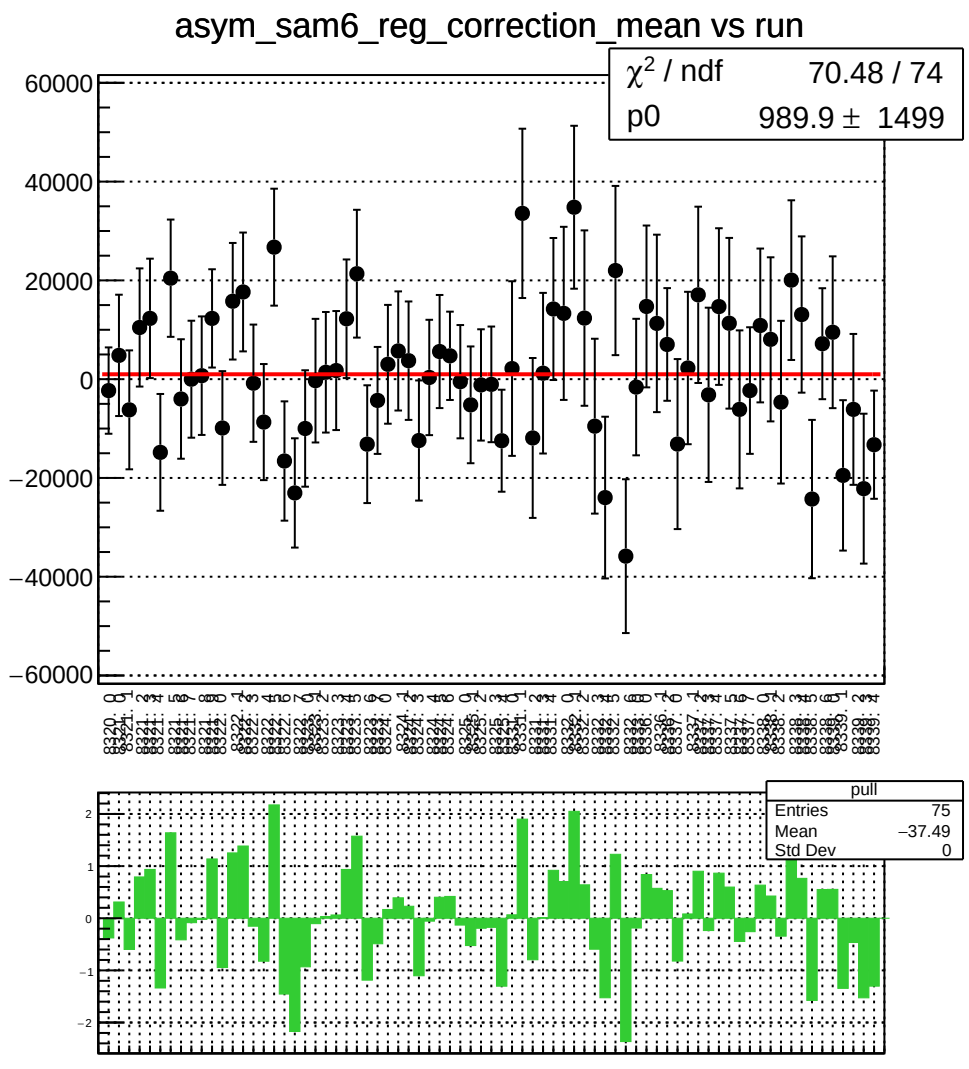

pull1D
Entries 75
Mean −0.01125
Std Dev 1.039

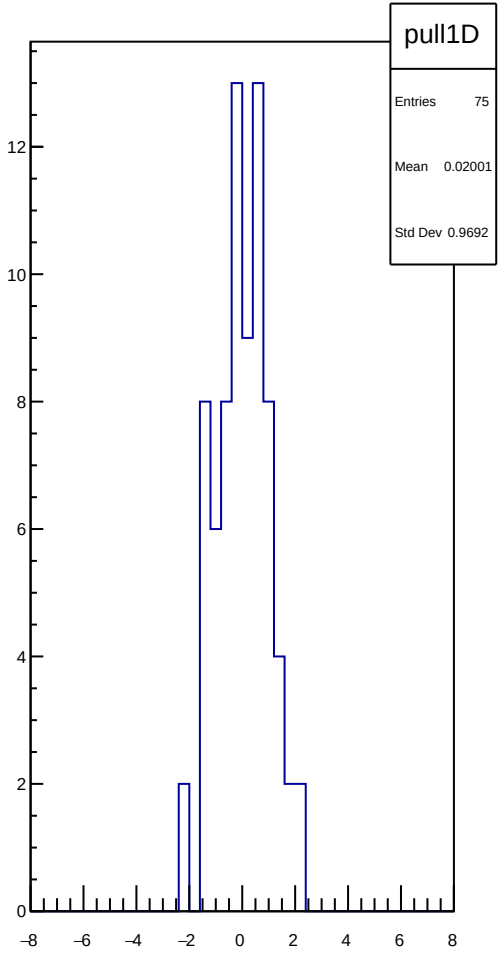

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.458e+05 / 74
p0 3.182e−11 ± 2.987e−14
0.1
0.08
0.06
0.04
0.02

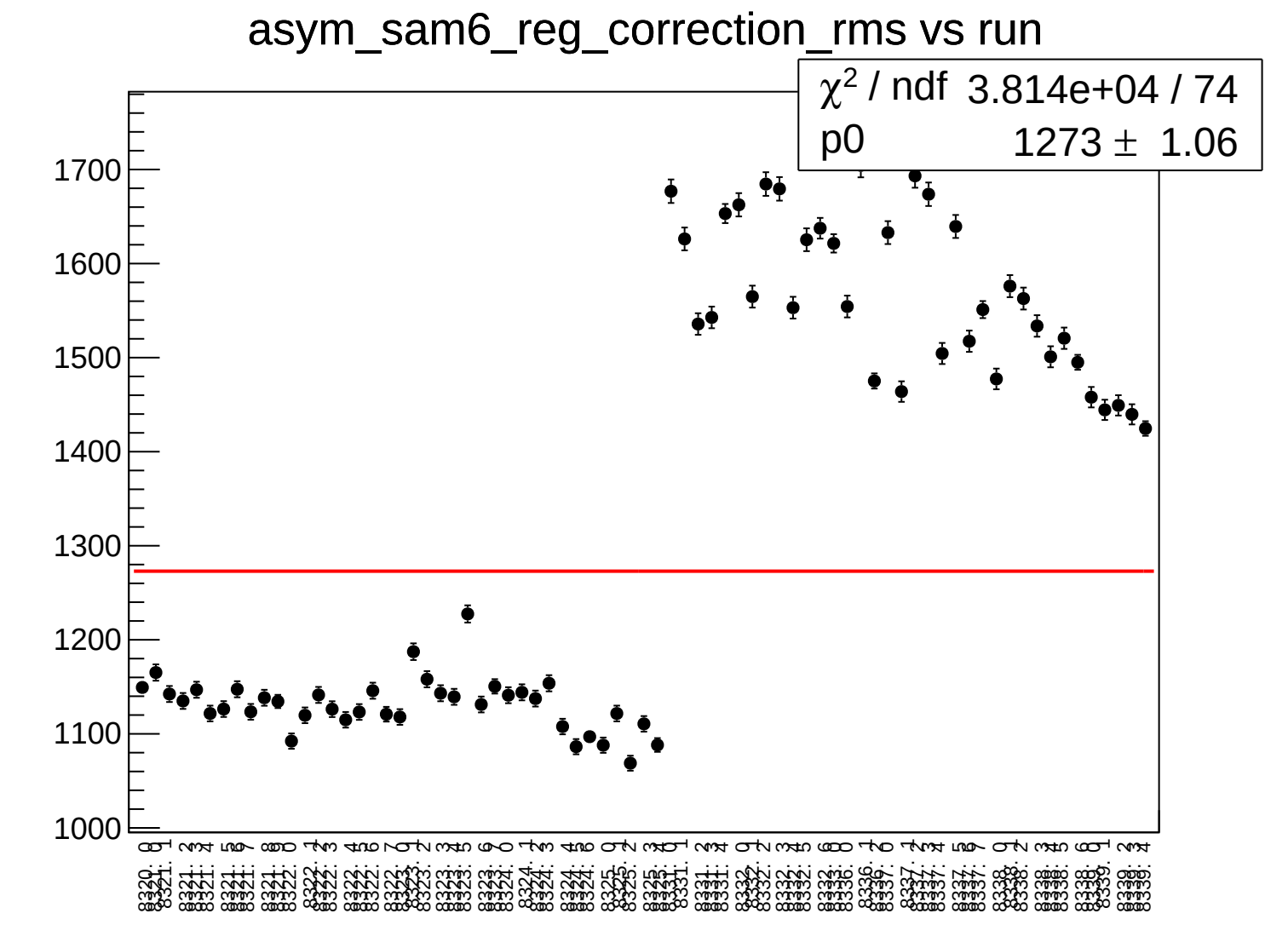

reg_asym_sam6_mean vs run
χ² / ndf 80.14 / 74
p0 331.1 ± 149.4
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −233
Std Dev 0
2
1
0
−1
−2

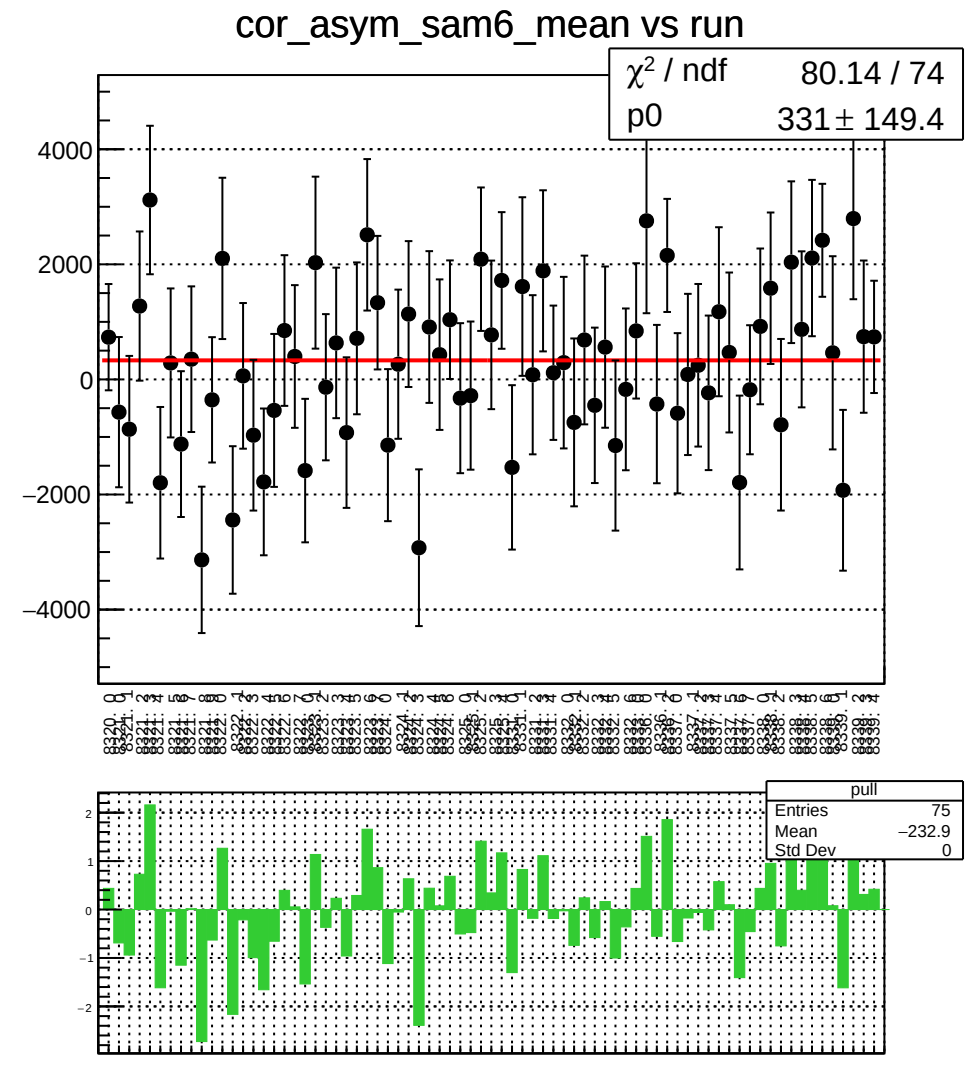

pull1D
Entries 75
Mean −0.02018
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

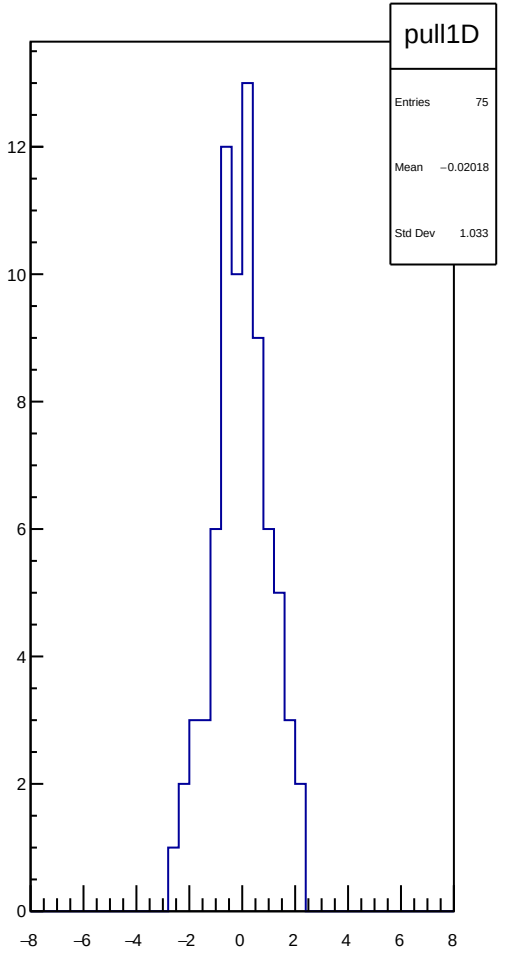

reg_asym_sam6_rms vs run
χ² / ndf 5101 / 74
p0 128.3 ± 0.1056
160
150
140
130
120


asym_sam6_reg_correction_mean vs run
χ² / ndf 70.48 / 74
p0 989.9 ± 1499
pull
Entries 75
Mean −37.49
Std Dev 0


pull1D
Entries 75
Mean 0.02001
Std Dev 0.9692


asym_sam6_reg_correction_rms vs run
χ² / ndf 3.814e+04 / 74
p0 1273 ± 1.06
1700
1600
1500
1400
1300
1200
1100
1000


cor_asym_sam6_mean vs run
χ² / ndf 80.14 / 74
p0 331 ± 149.4
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −232.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.02018
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
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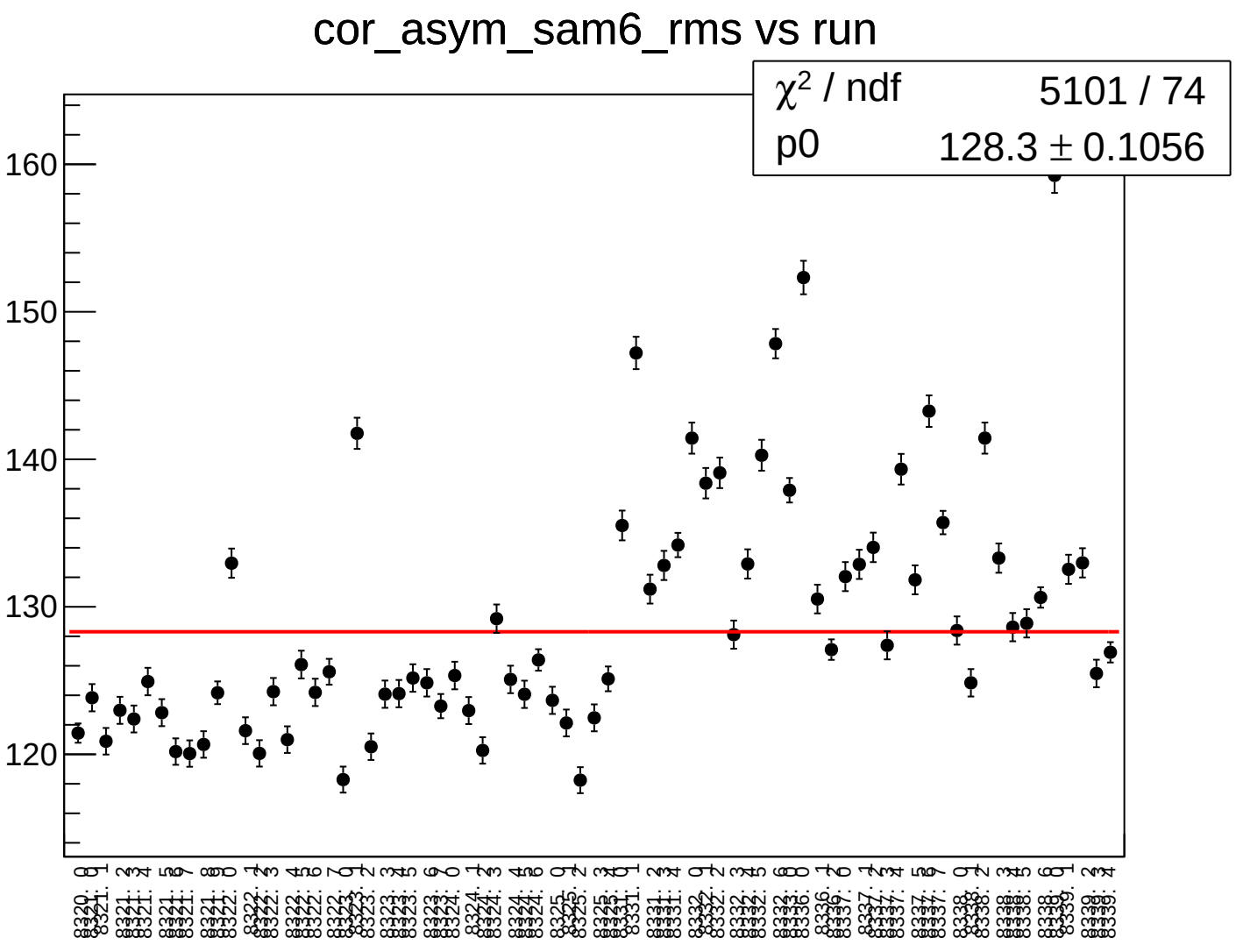
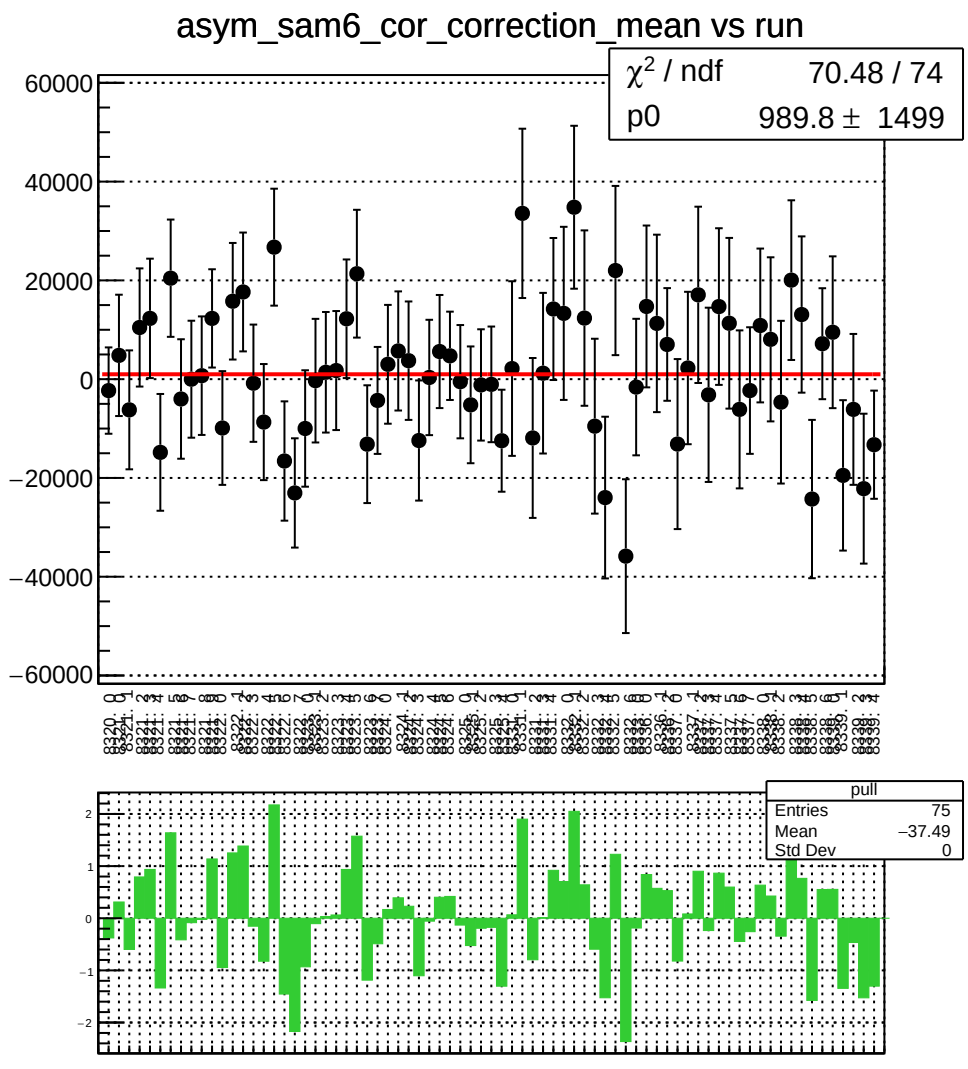
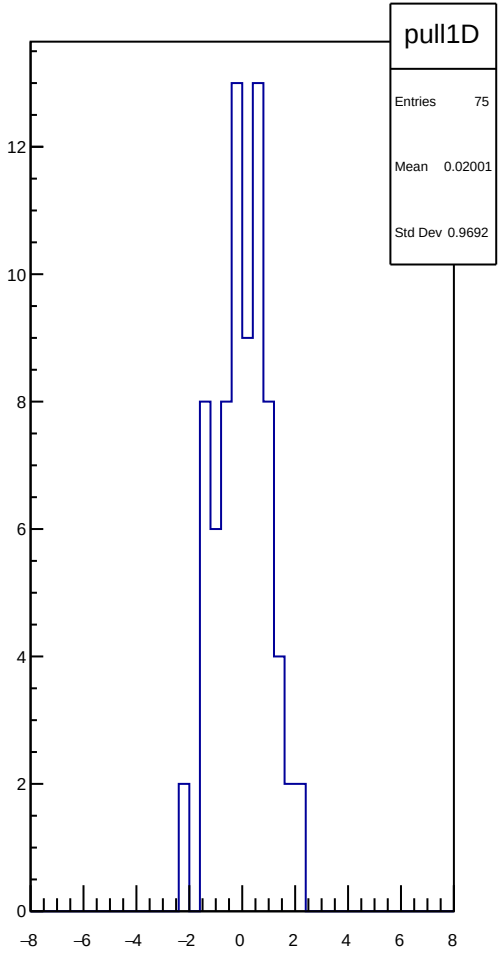
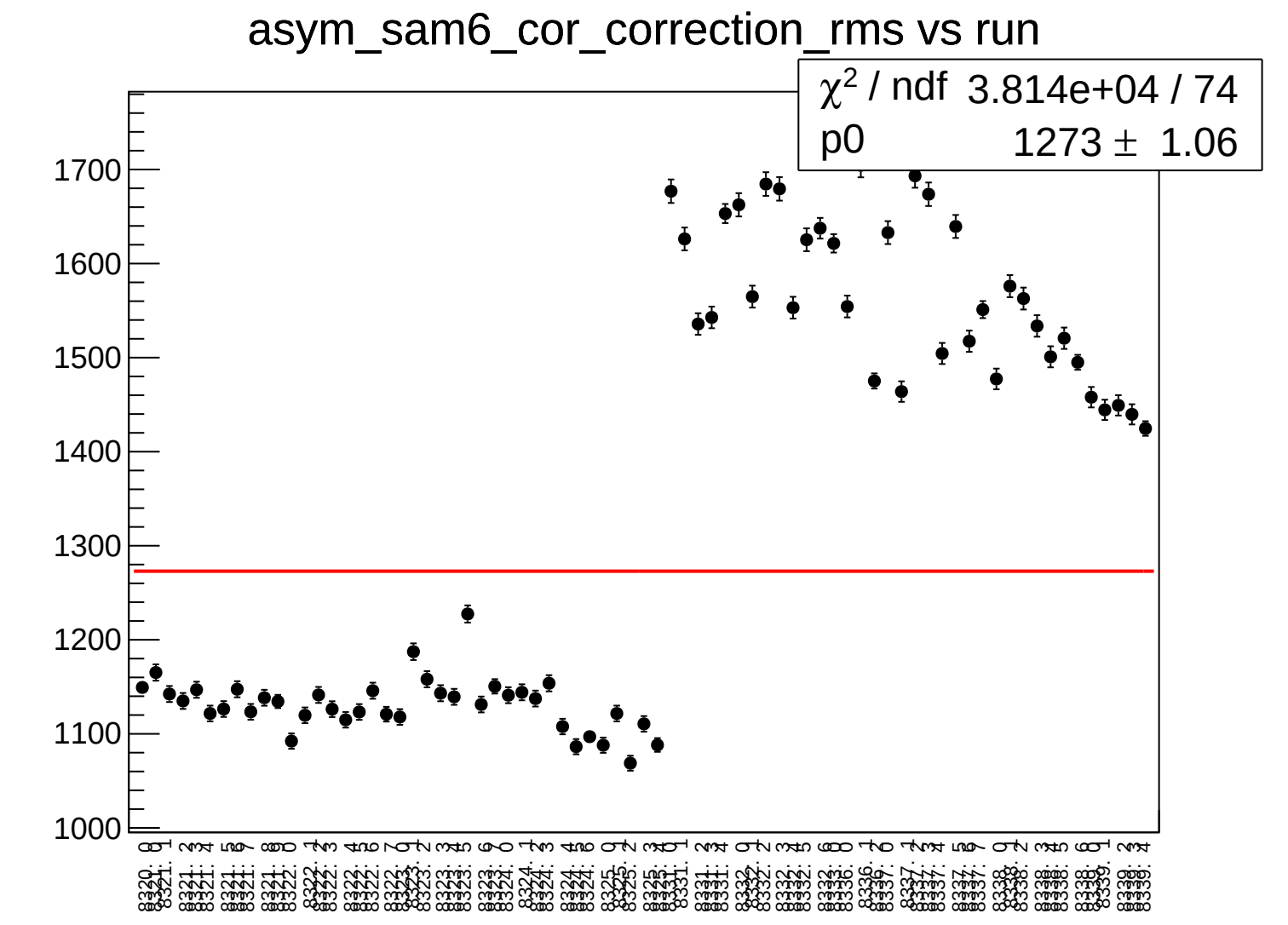
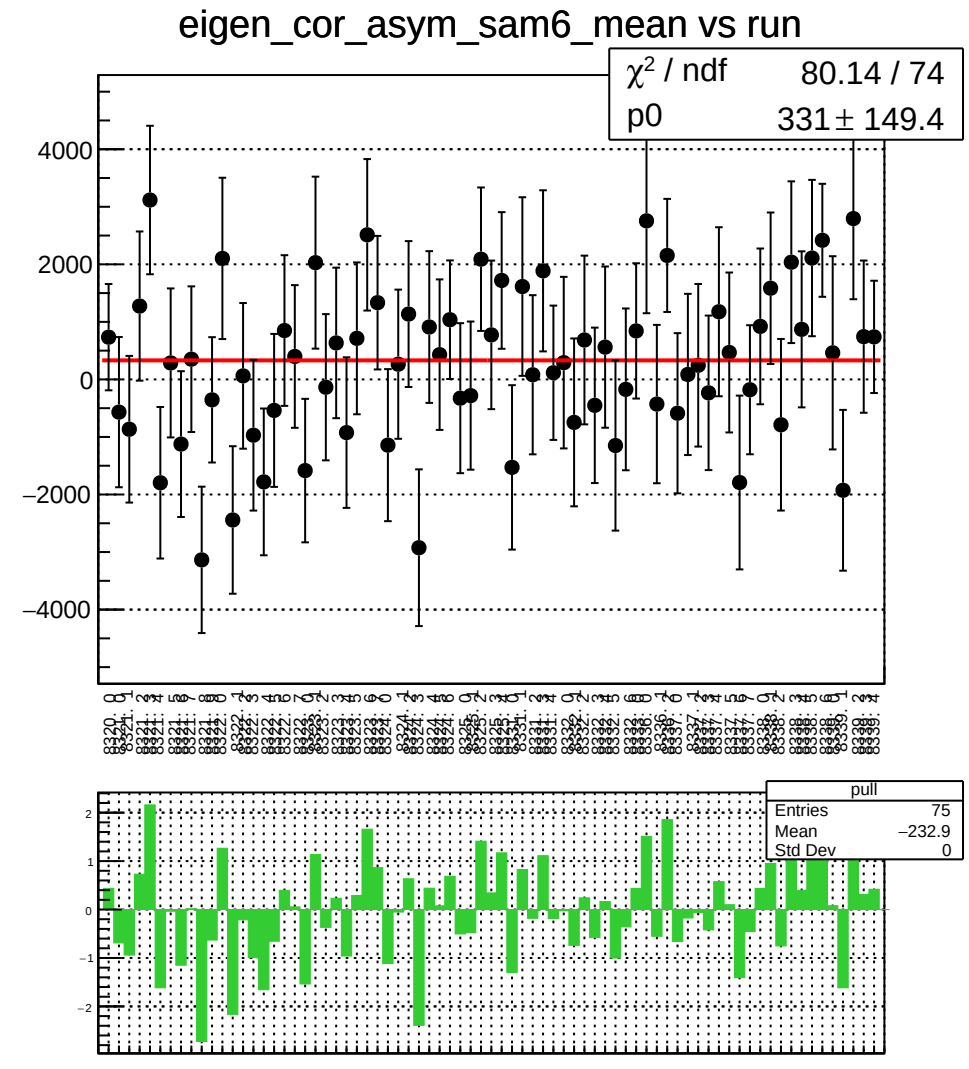
0
2
4
6
8

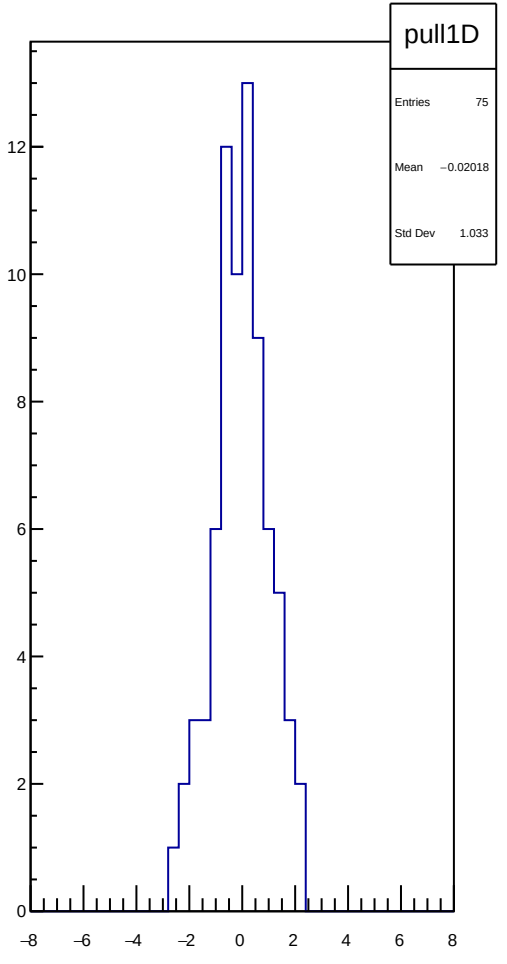

cor_asym_sam6_rms vs run
χ² / ndf 5101 / 74
p0 128.3 ± 0.1056
160
150
140
130
120

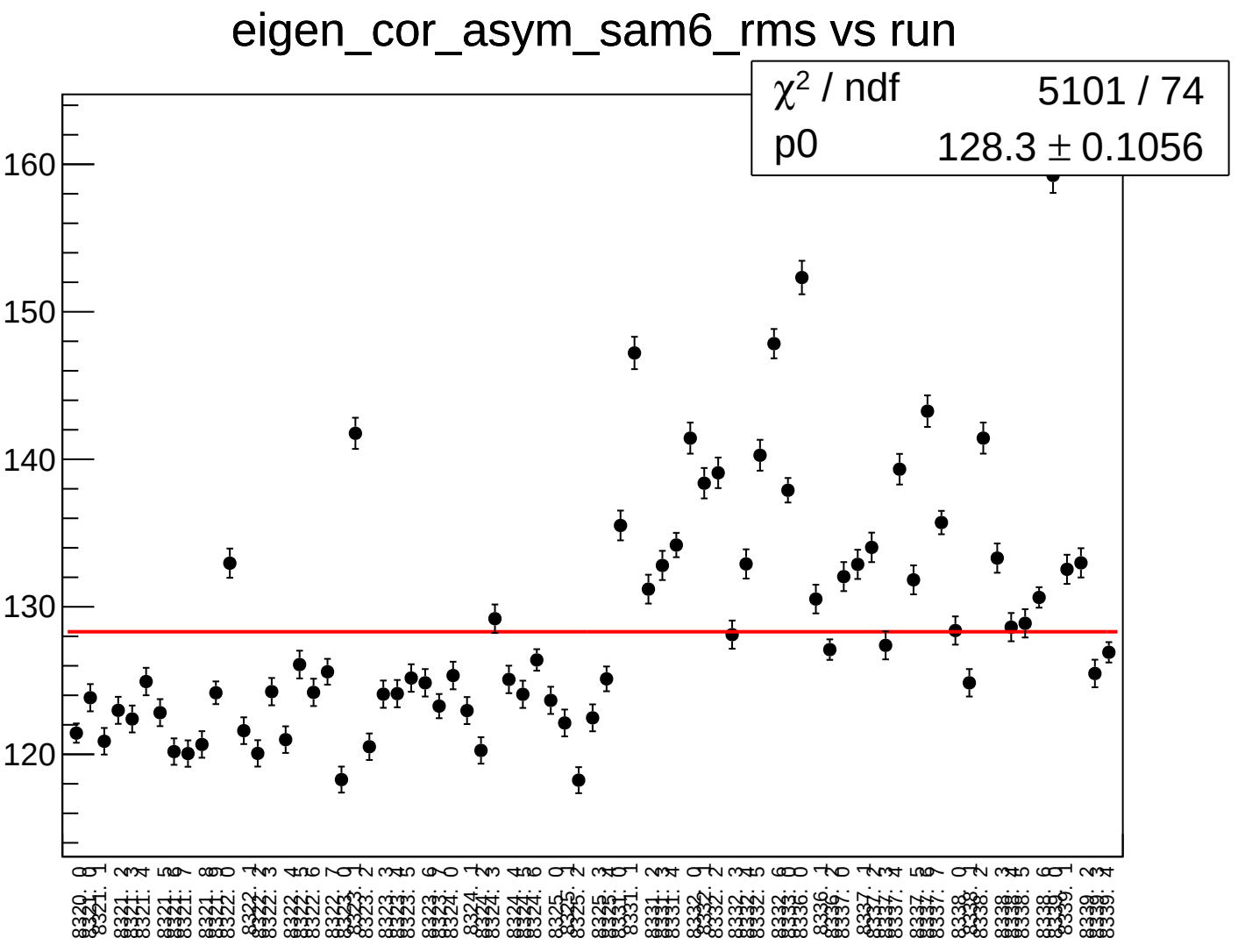

asym_sam6_cor_correction_mean vs run
χ² / ndf 70.48 / 74
p0 989.8 ± 1499
pull
Entries 75
Mean −37.49
Std Dev 0

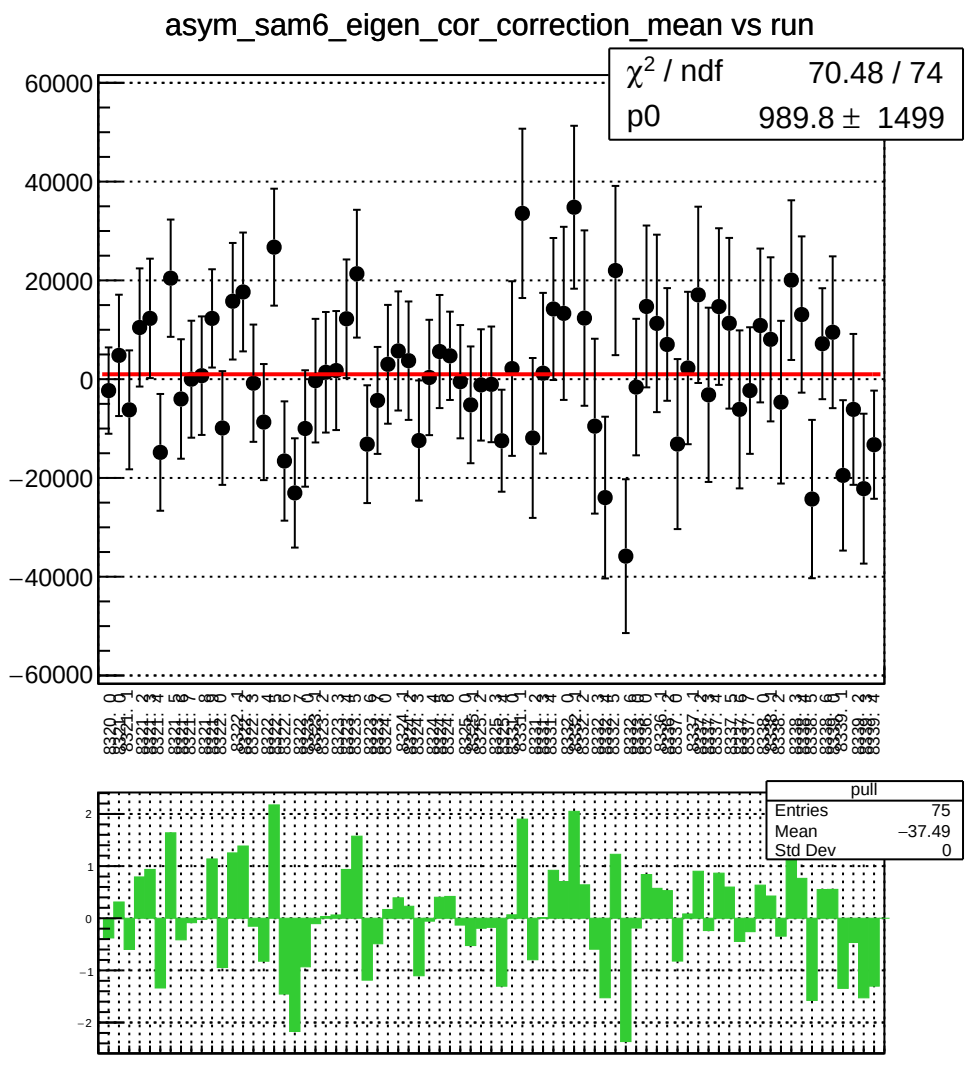

pull1D
Entries 75
Mean 0.02001
Std Dev 0.9692

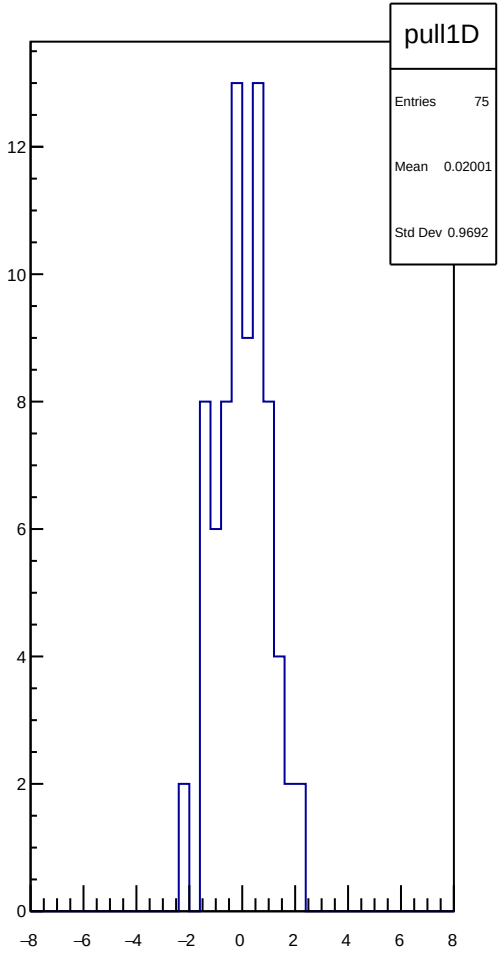

asym_sam6_cor_correction_rms vs run
χ² / ndf 3.814e+04 / 74
p0 1273 ± 1.06
1700
1600
1500
1400
1300
1200
1100
1000

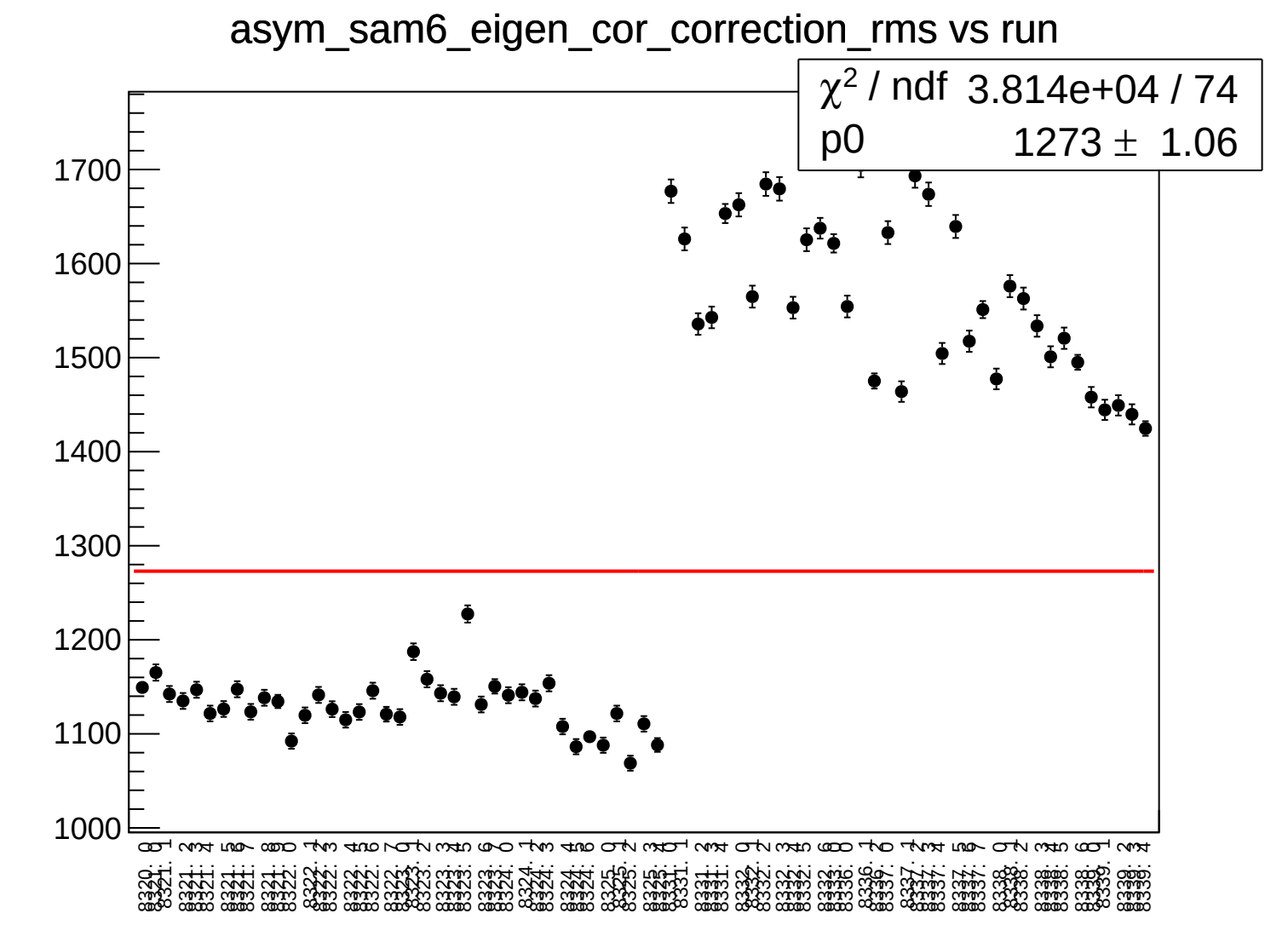

eigen_cor_asym_sam6_mean vs run
χ² / ndf 80.14 / 74
p0 331 ± 149.4
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −232.9
Std Dev 0
2
1
0
−1
−2

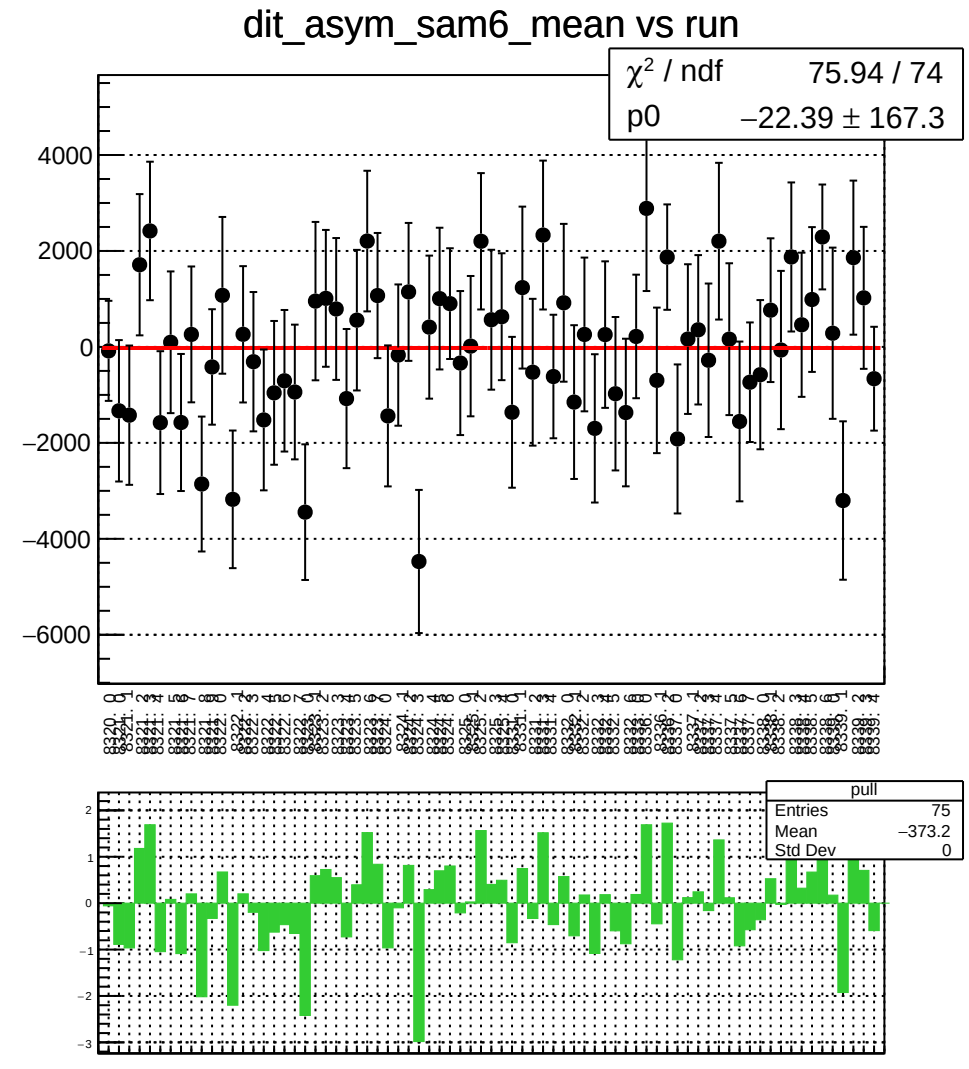

pull1D
Entries 75
Mean −0.02018
Std Dev 1.033
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

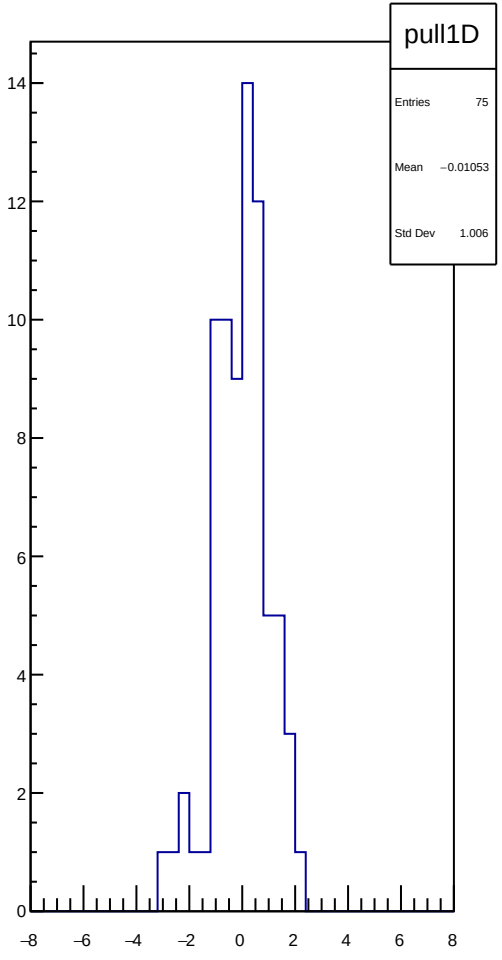

eigen_cor_asym_sam6_rms vs run
χ² / ndf 5101 / 74
p0 128.3 ± 0.1056
160
150
140
130
120

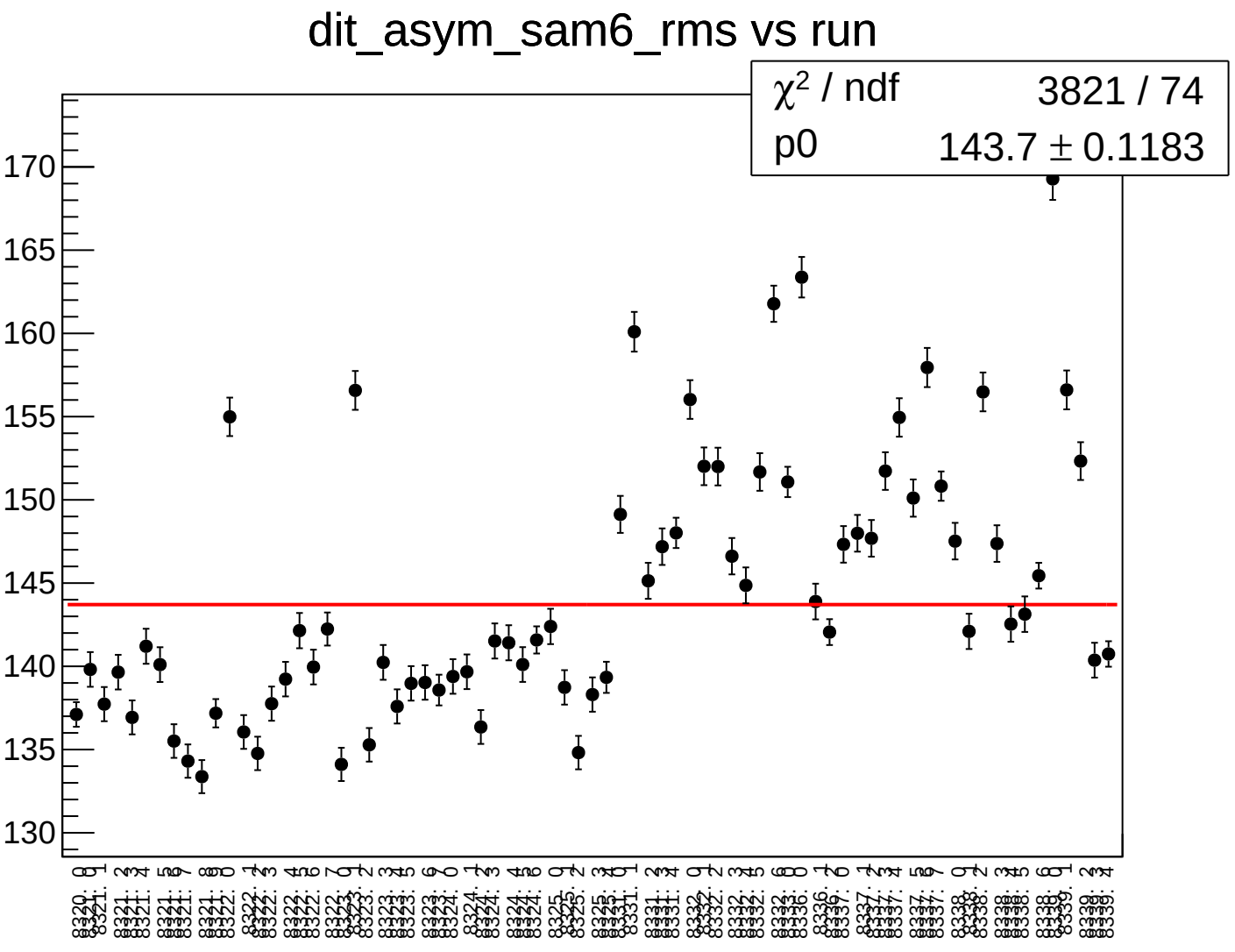

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 70.48 / 74
p0 989.8 ± 1499
pull
Entries 75
Mean −37.49
Std Dev 0

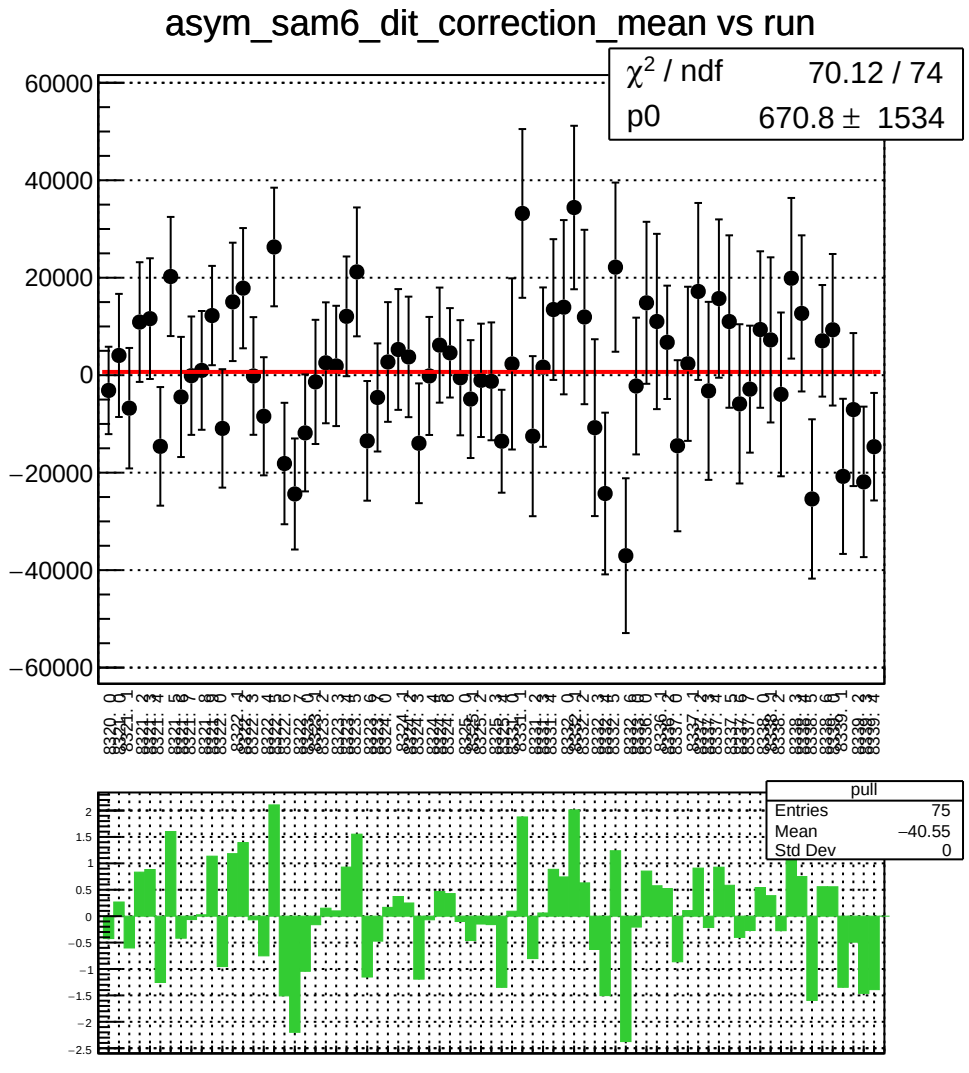

pull1D
Entries 75
Mean 0.02001
Std Dev 0.9692

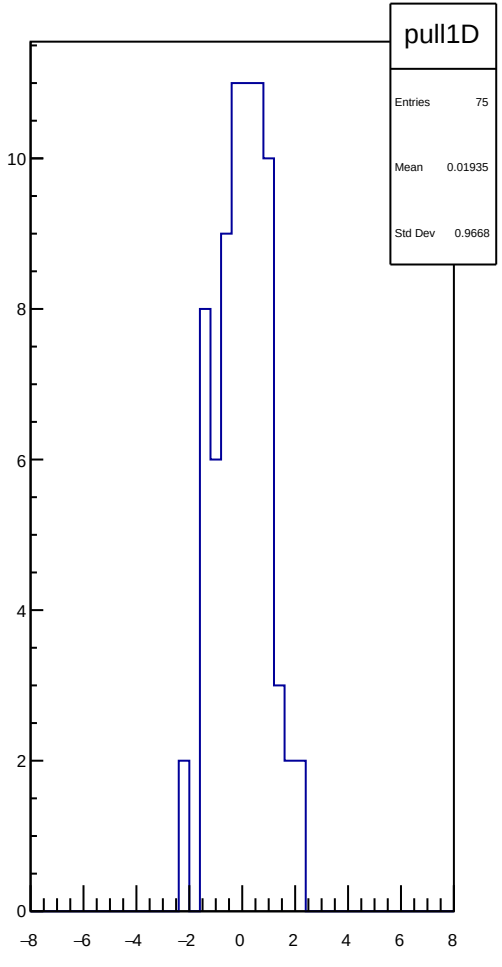

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 3.814e+04 / 74
p0 1273 ± 1.06
1700
1600
1500
1400
1300
1200
1100
1000

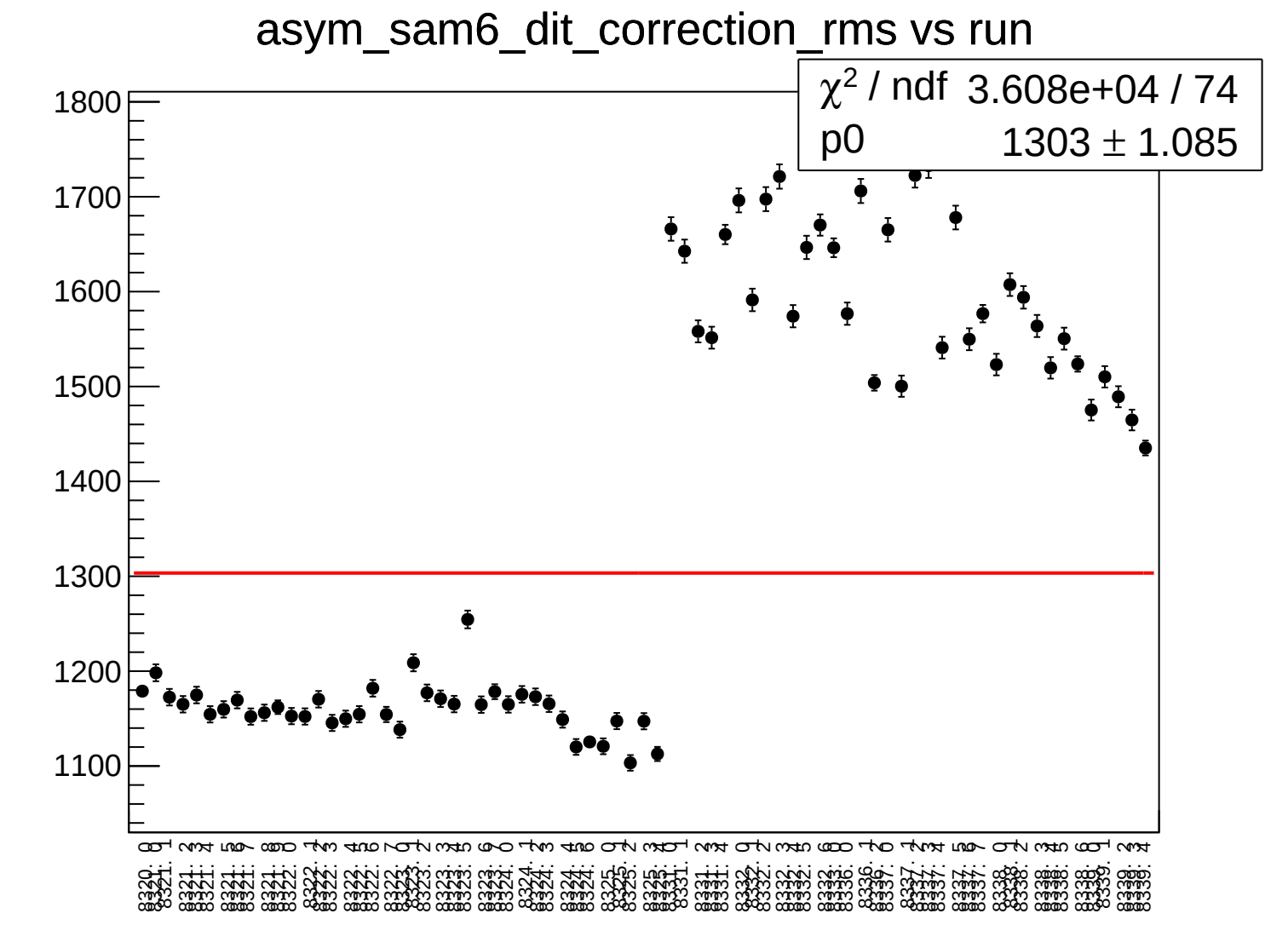

dit_asym_sam6_mean vs run
χ² / ndf 75.94 / 74
p0 −22.39 ± 167.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean −373.2
Std Dev 0
2
1
0
−1
−2
−3

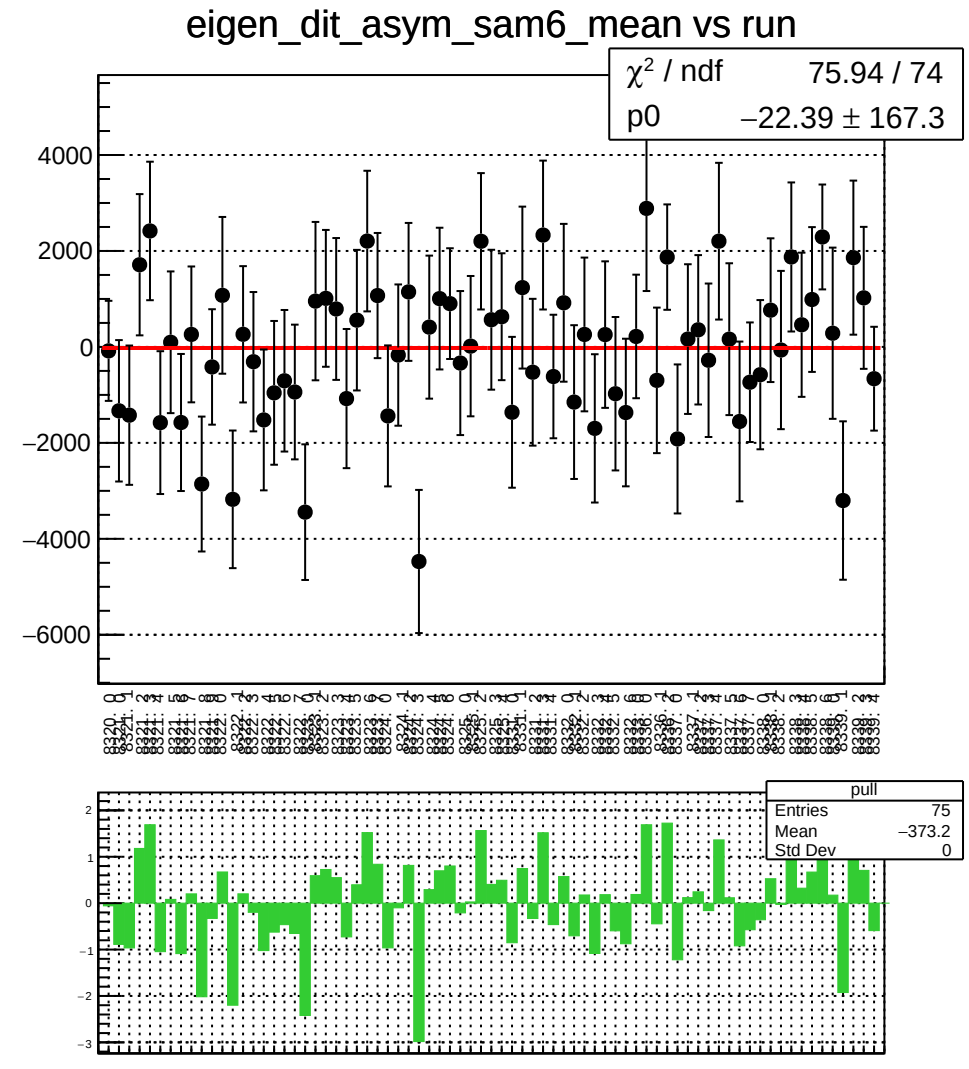

pull1D
Entries 75
Mean −0.01053
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

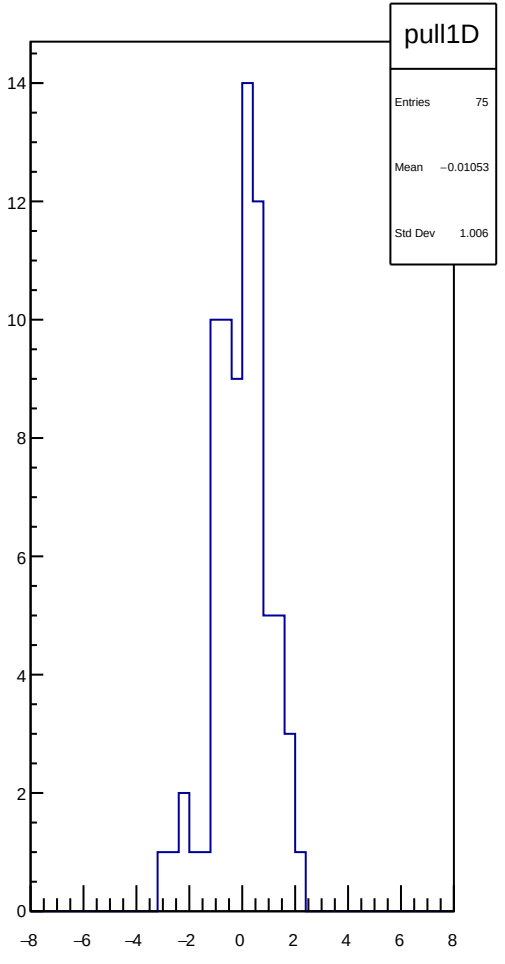

dit_asym_sam6_rms vs run
χ² / ndf 3821 / 74
p0 143.7 ± 0.1183
170
165
160
155
150
145
140
135
130

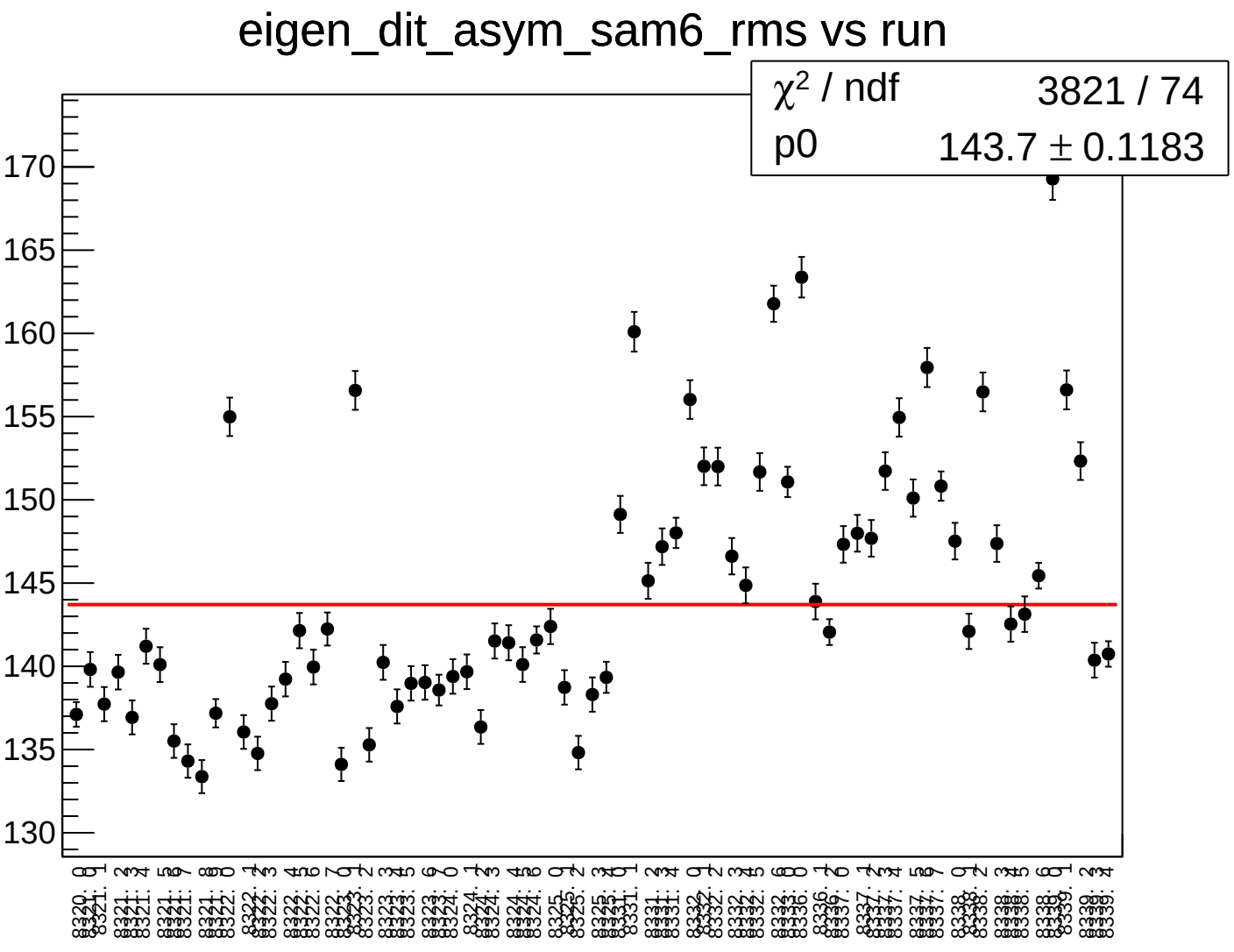

asym_sam6_dit_correction_mean vs run
χ² / ndf 70.12 / 74
p0 670.8 ± 1534
pull
Entries 75
Mean −40.55
Std Dev 0

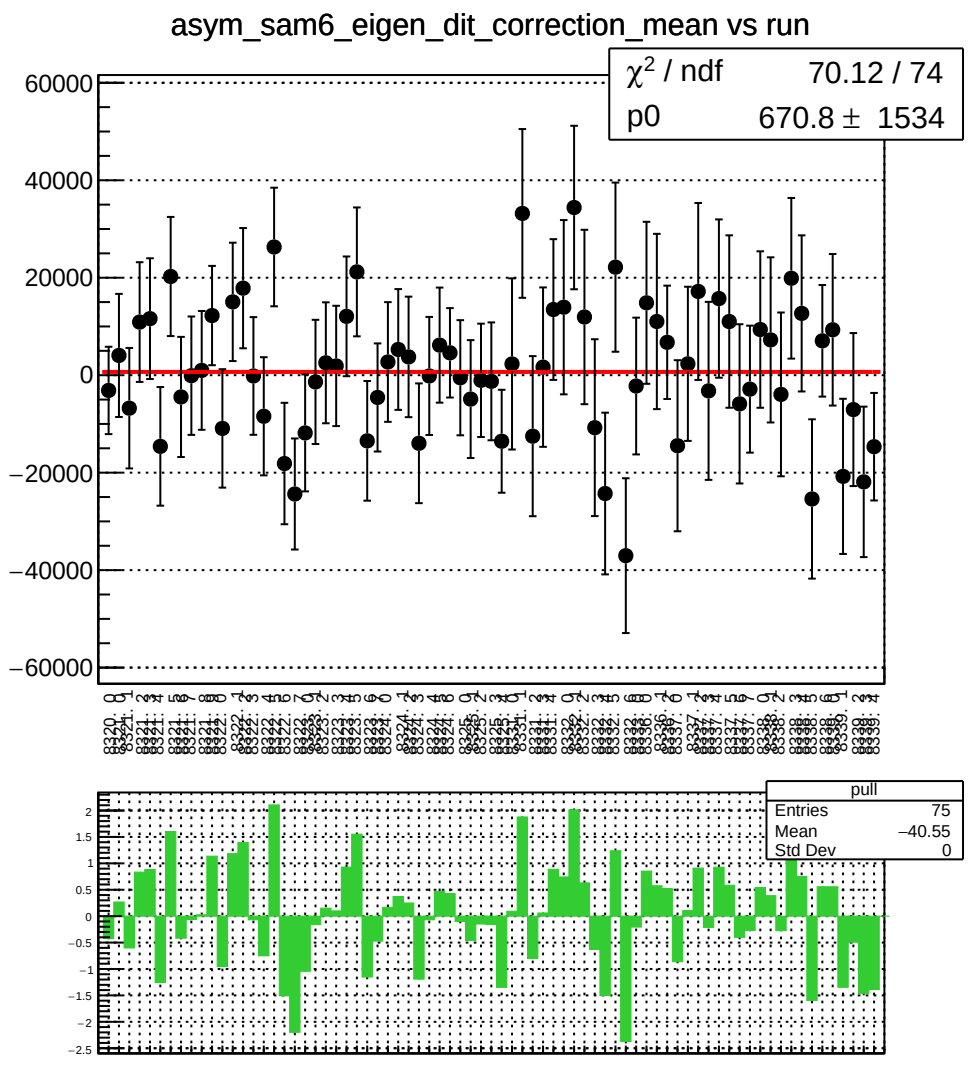

pull1D
Entries 75
Mean 0.01935
Std Dev 0.9668

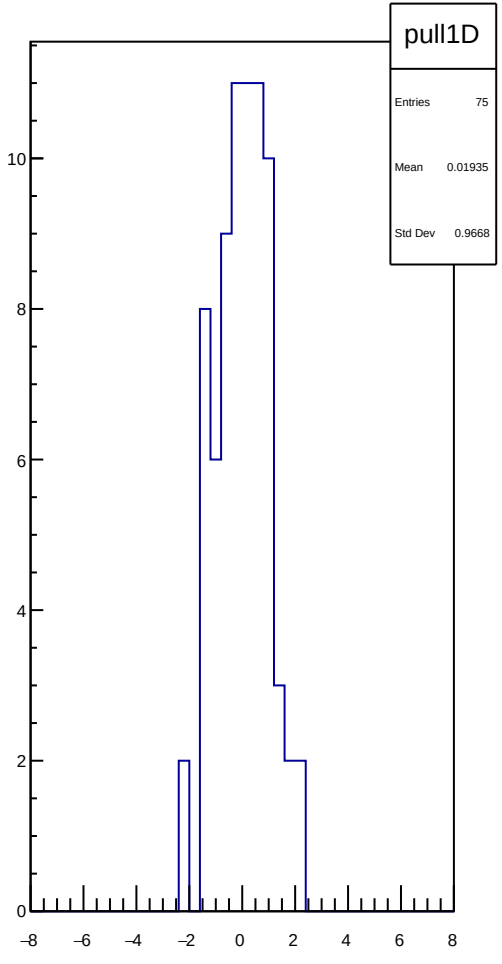

asym_sam6_dit_correction_rms vs run
χ² / ndf 3.608e+04 / 74
p0 1303 ± 1.085
1800
1700
1600
1500
1400
1300
1200
1100

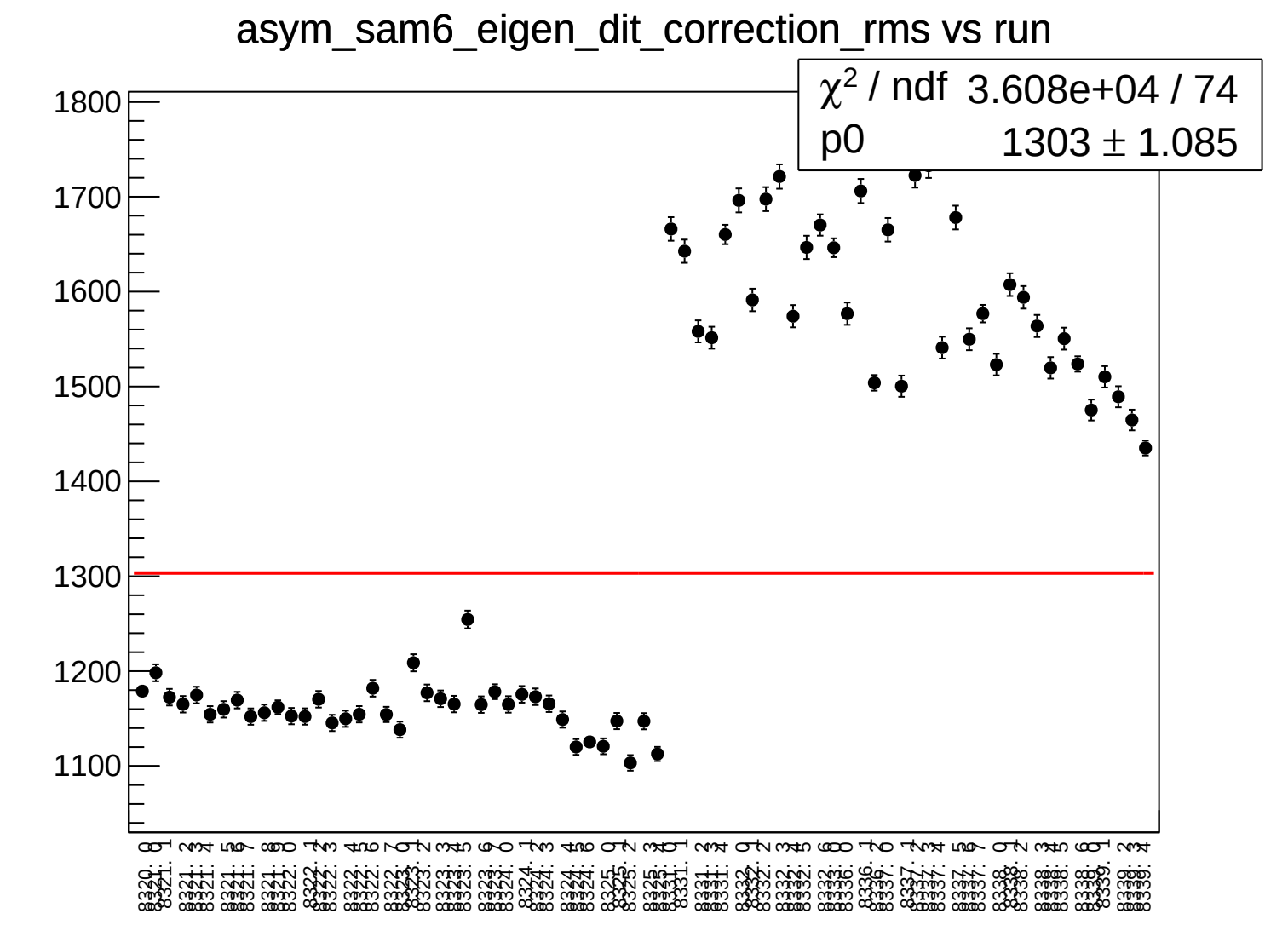

eigen_dit_asym_sam6_mean vs run
χ² / ndf 75.94 / 74
p0 −22.39 ± 167.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean −373.2
Std Dev 0
2
1
0
−1
−2
−3

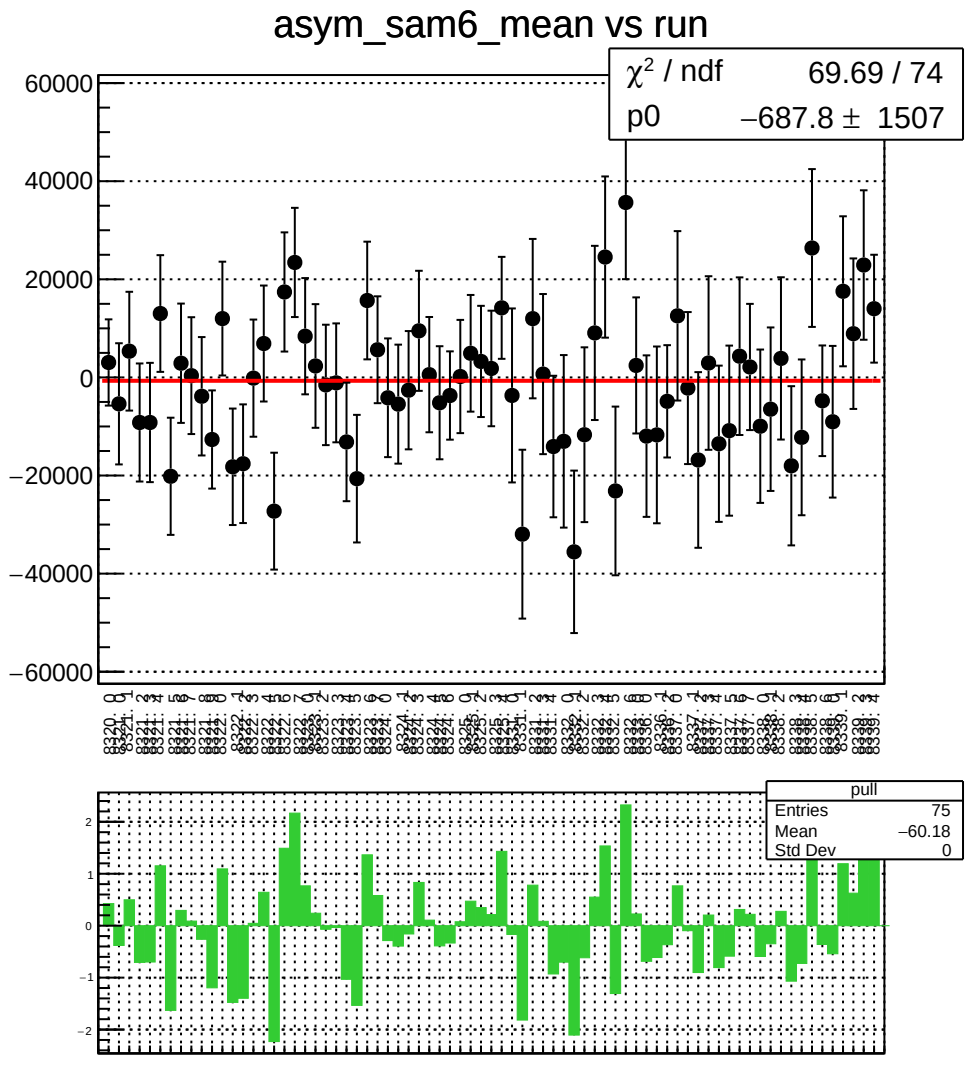

pull1D
Entries 75
Mean −0.01053
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

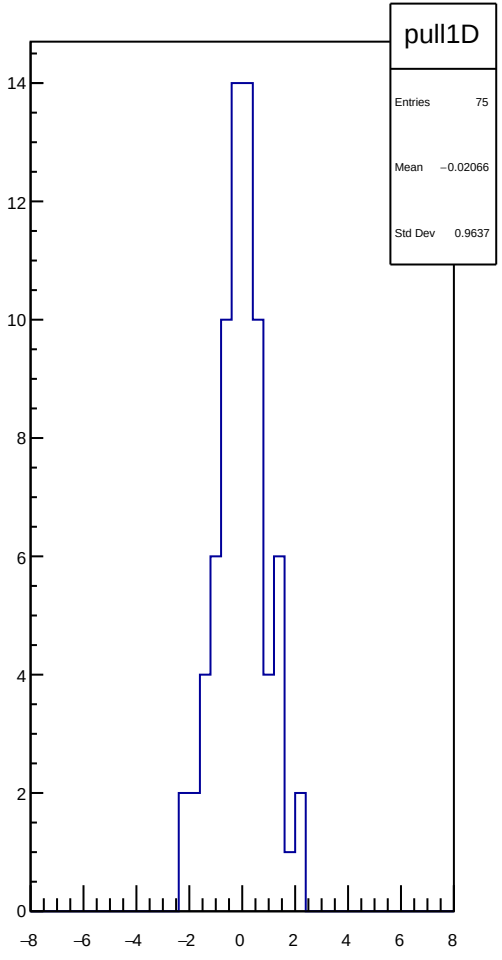

eigen_dit_asym_sam6_rms vs run
χ² / ndf 3821 / 74
p0 143.7 ± 0.1183
170
165
160
155
150
145
140
135
130

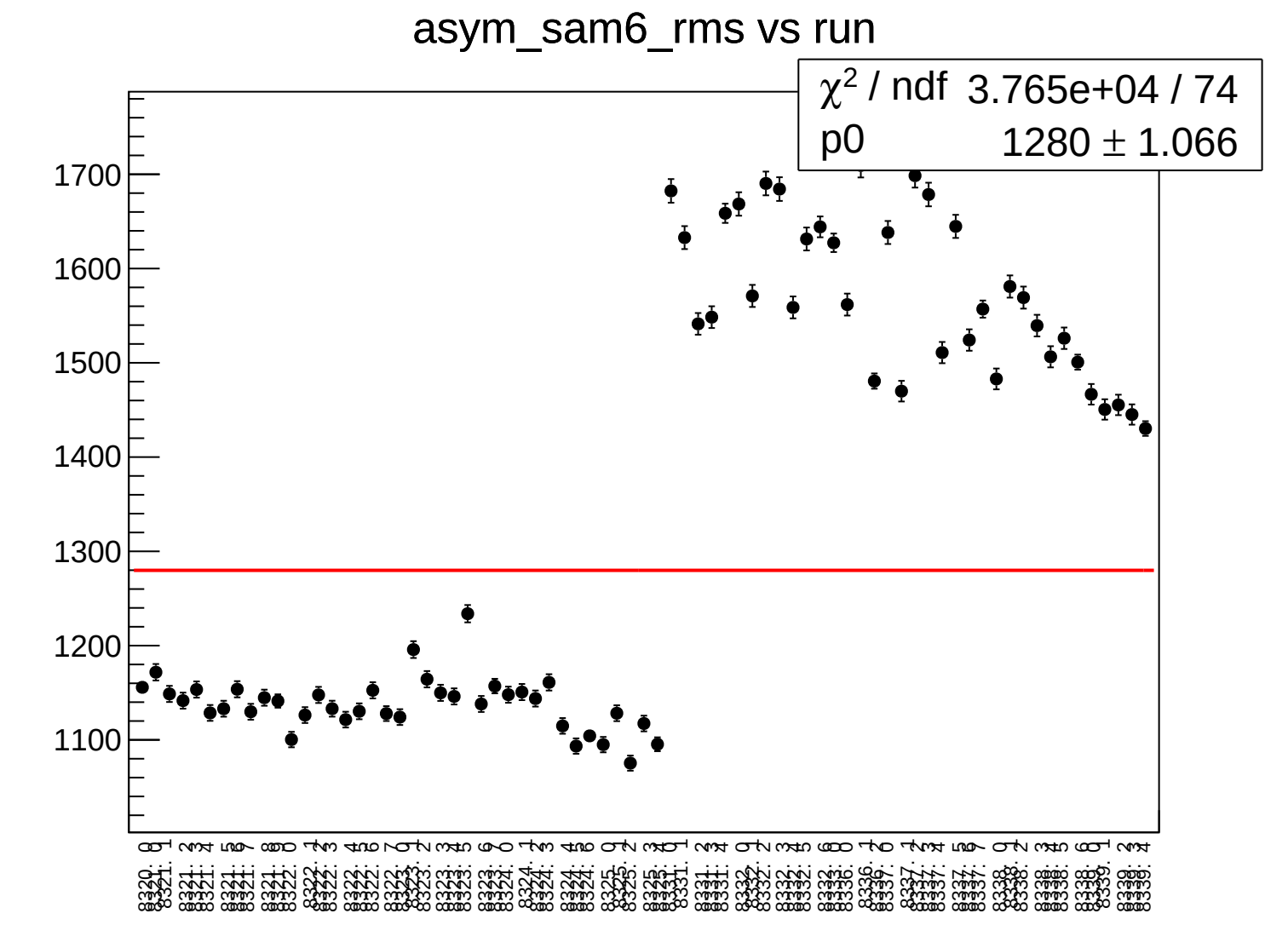

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 70.12 / 74
p0 670.8 ± 1534
pull
Entries 75
Mean −40.55
Std Dev 0

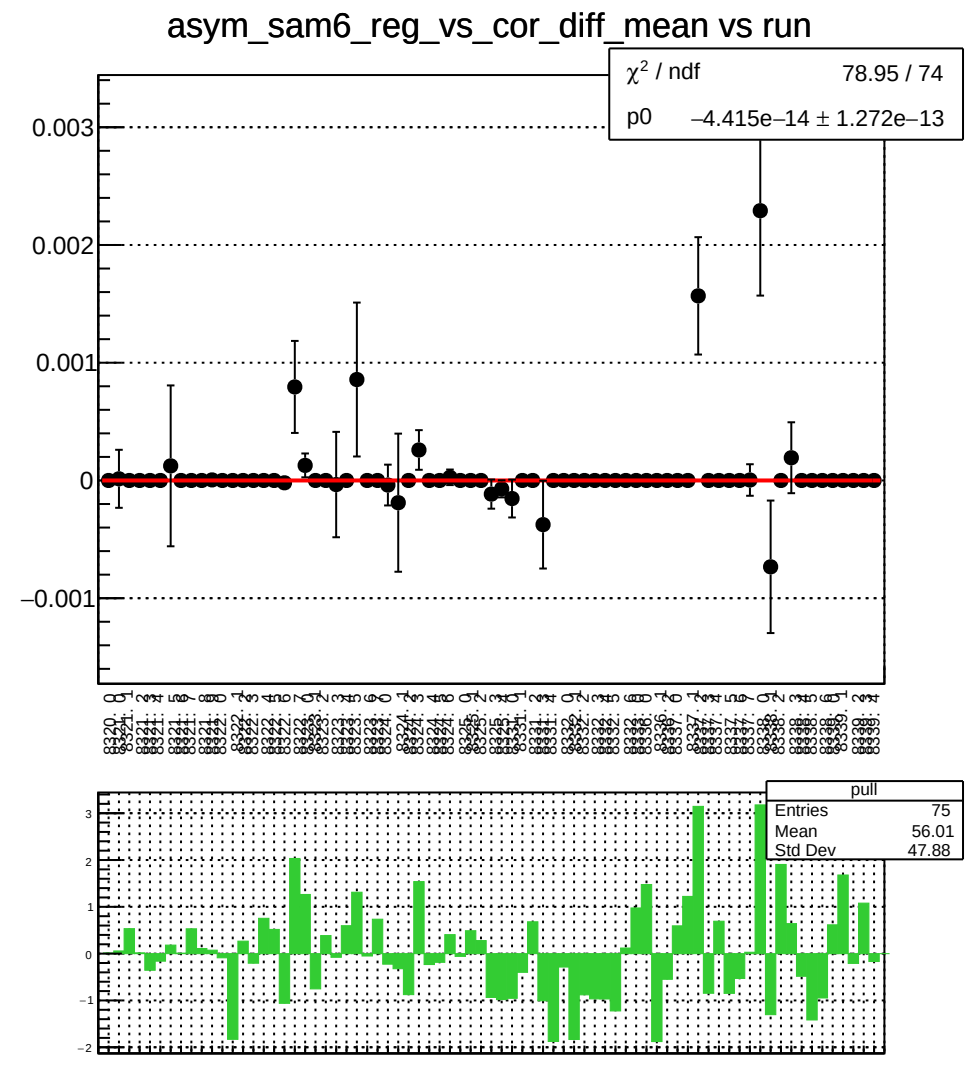

pull1D
Entries 75
Mean 0.01935
Std Dev 0.9668

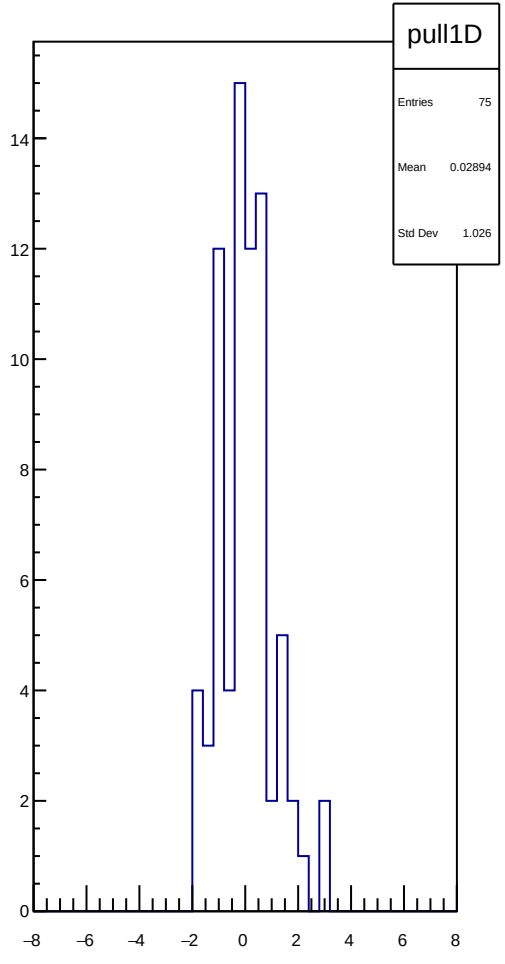

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 3.608e+04 / 74
p0 1303 ± 1.085
1800
1700
1600
1500
1400
1300
1200
1100

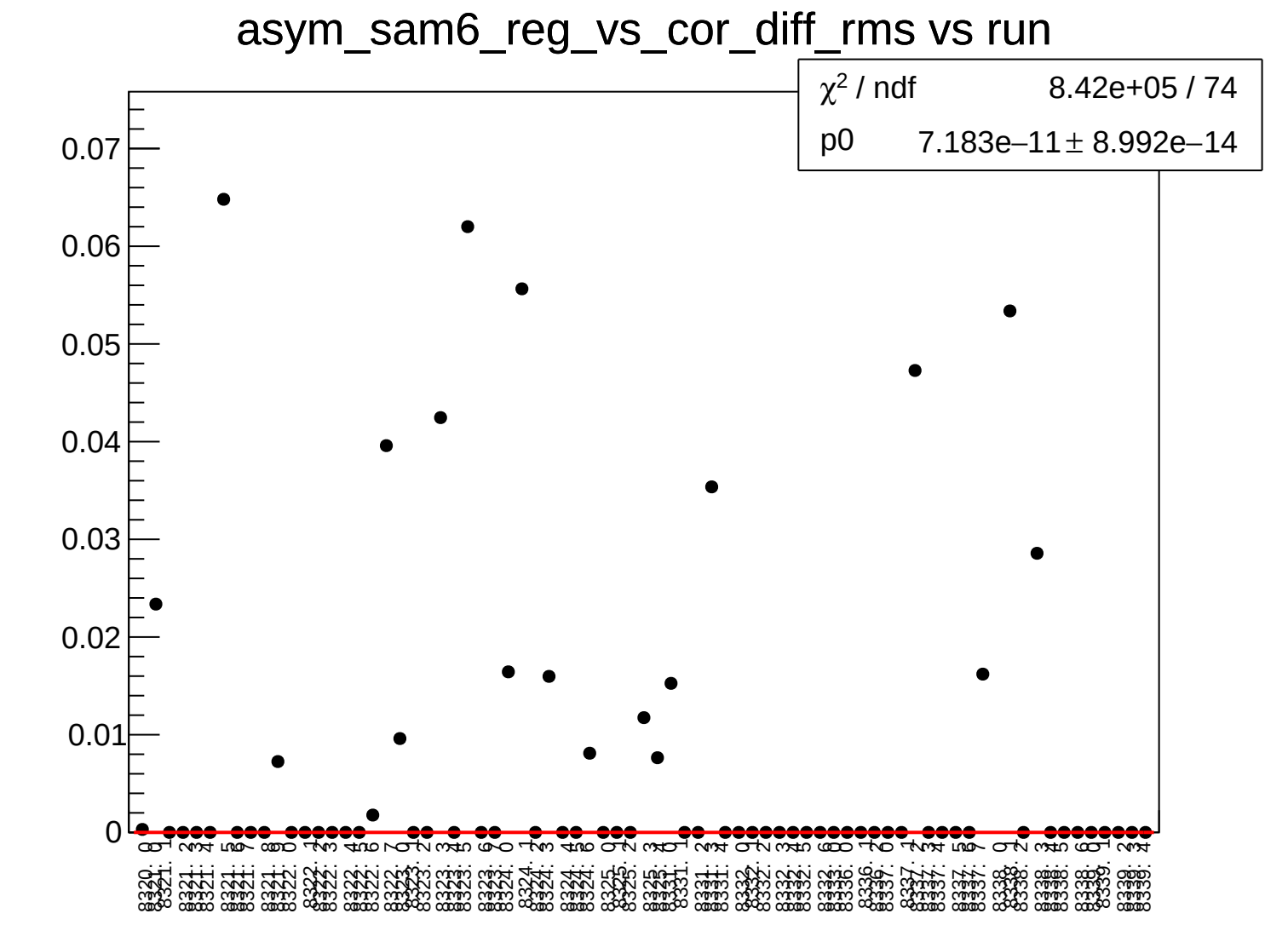

asym_sam6_mean vs run
χ² / ndf 69.69 / 74
p0 −687.8 ± 1507
pull
Entries 75
Mean −60.18
Std Dev 0

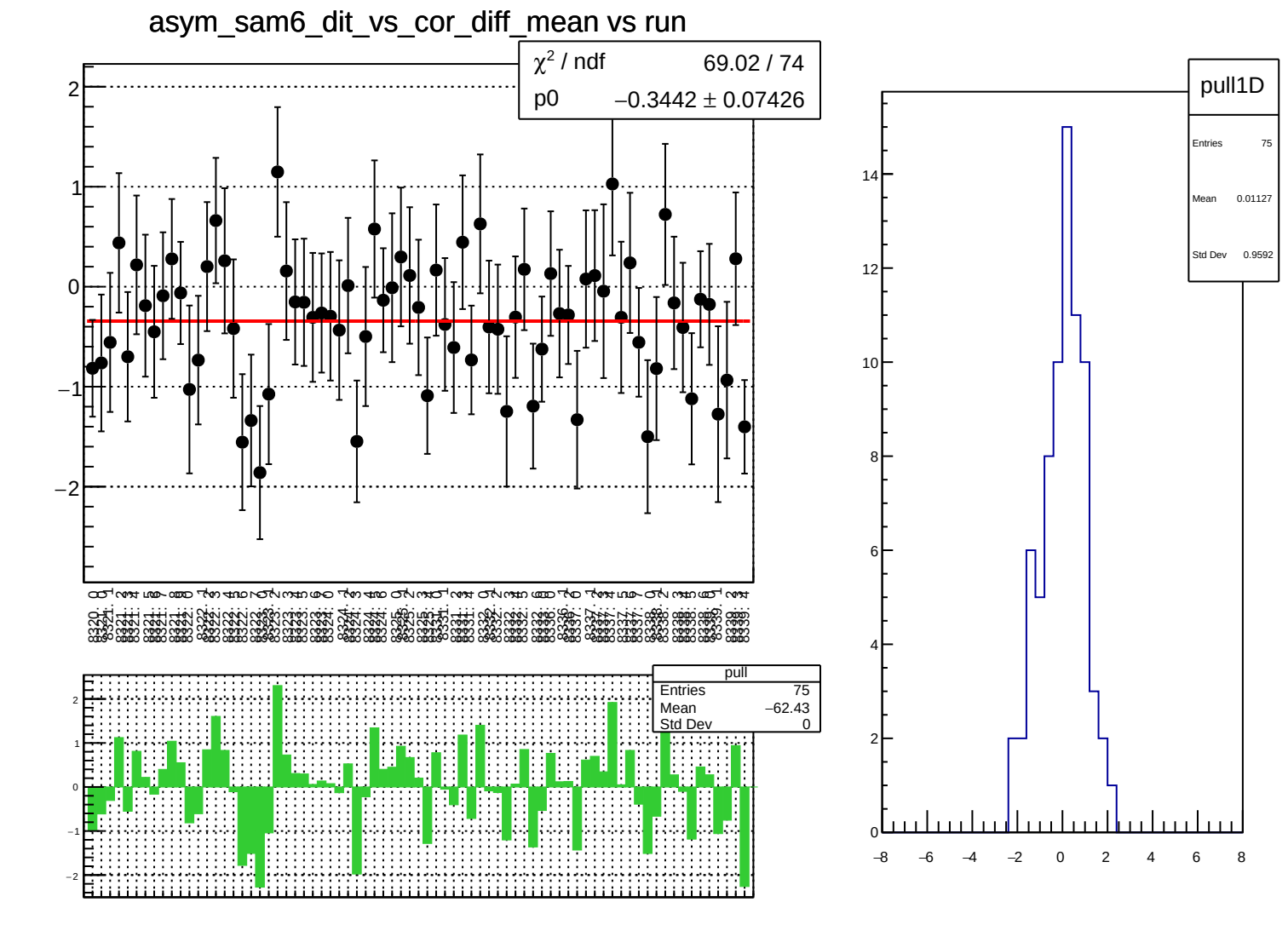

pull1D
Entries 75
Mean −0.02066
Std Dev 0.9637

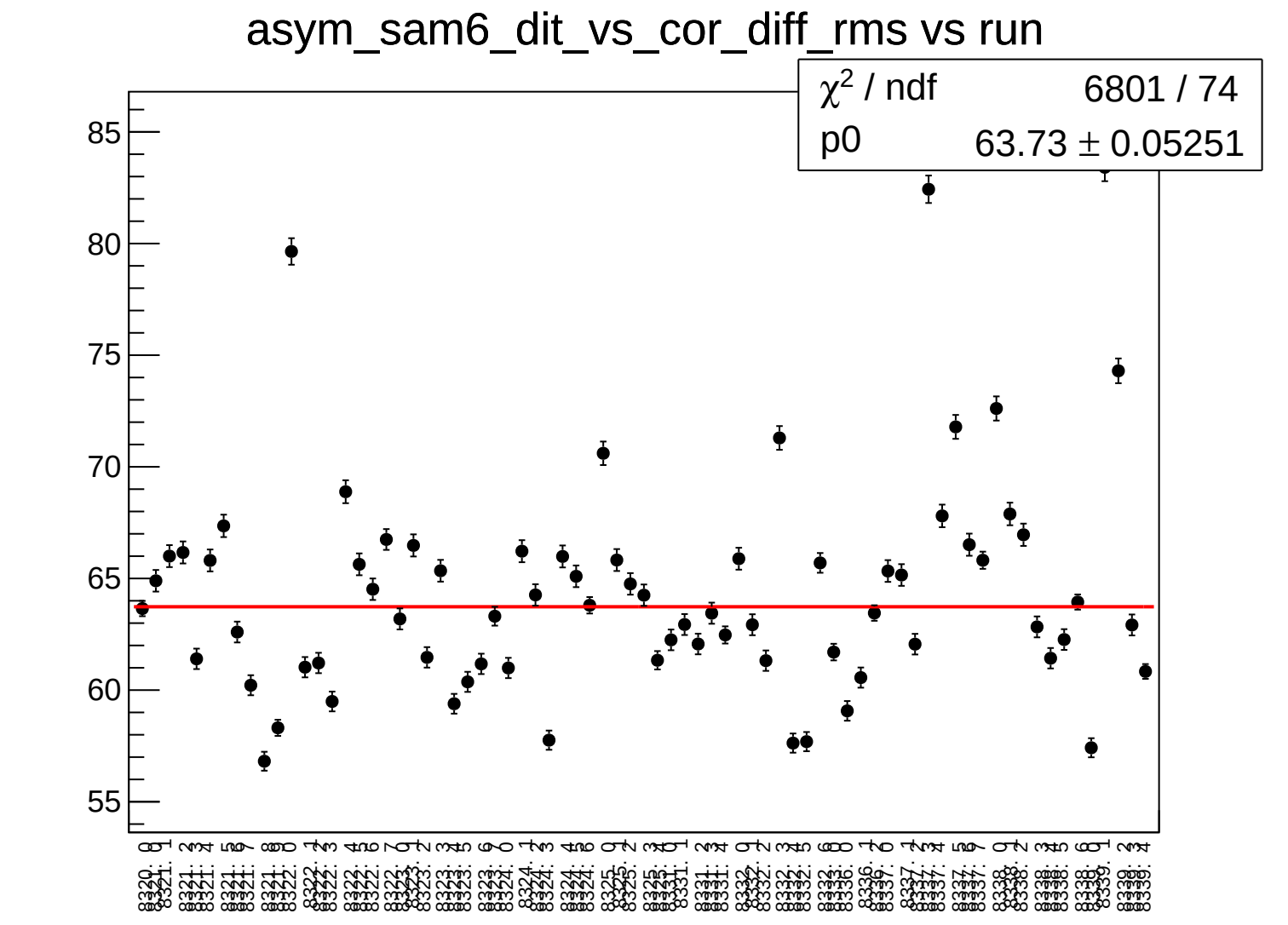

asym_sam6_rms vs run
χ² / ndf 3.765e+04 / 74
p0 1280 ± 1.066
1700
1600
1500
1400
1300
1200
1100

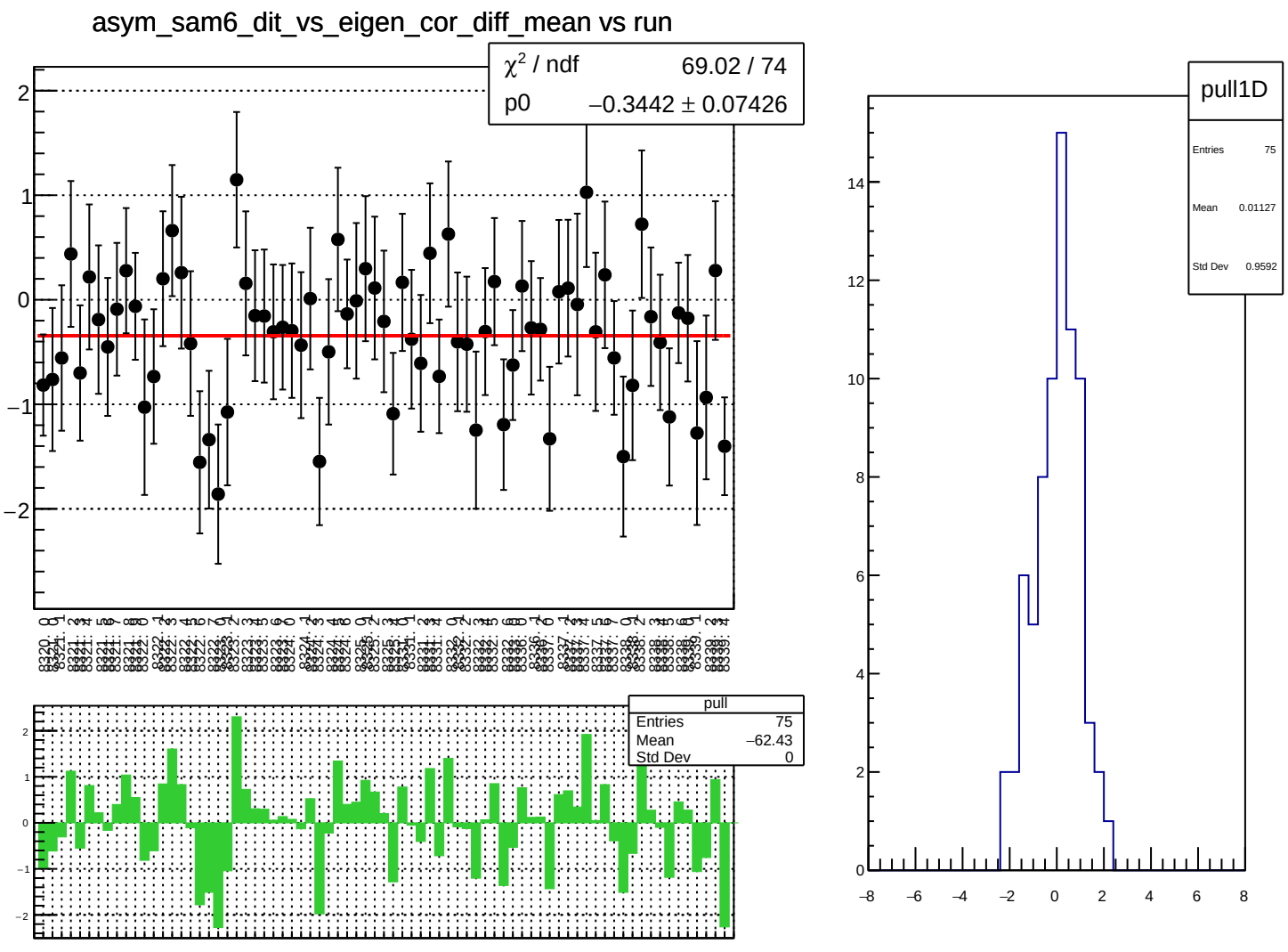

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 78.95 / 74
p0 −4.415e−14 ± 1.272e−13
0.003
0.002
0.001
0
−0.001
pull
Entries 75
Mean 56.01
Std Dev 47.88
3
2
1
0
−1
−2

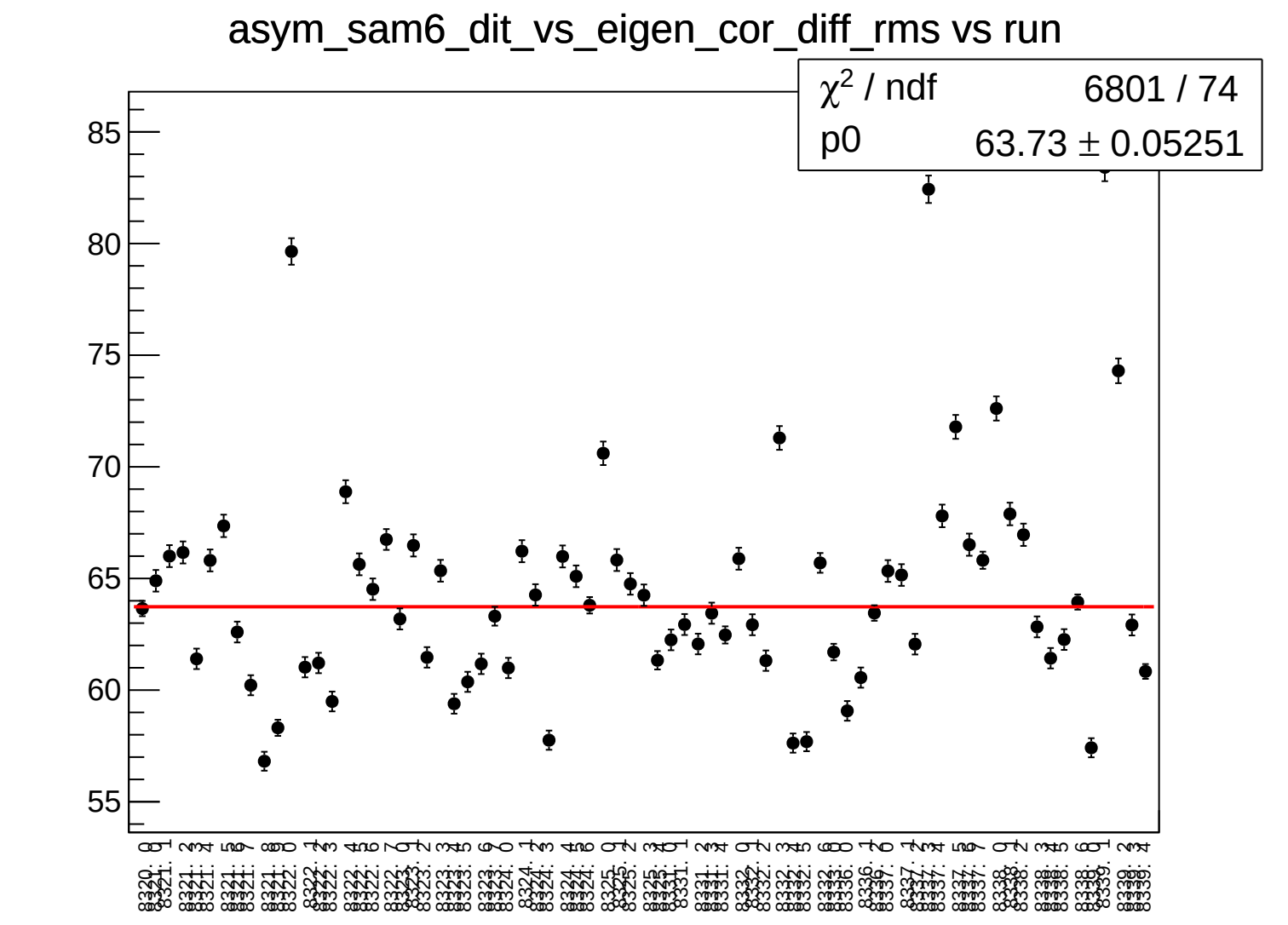

pull1D
Entries 75
Mean 0.02894
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

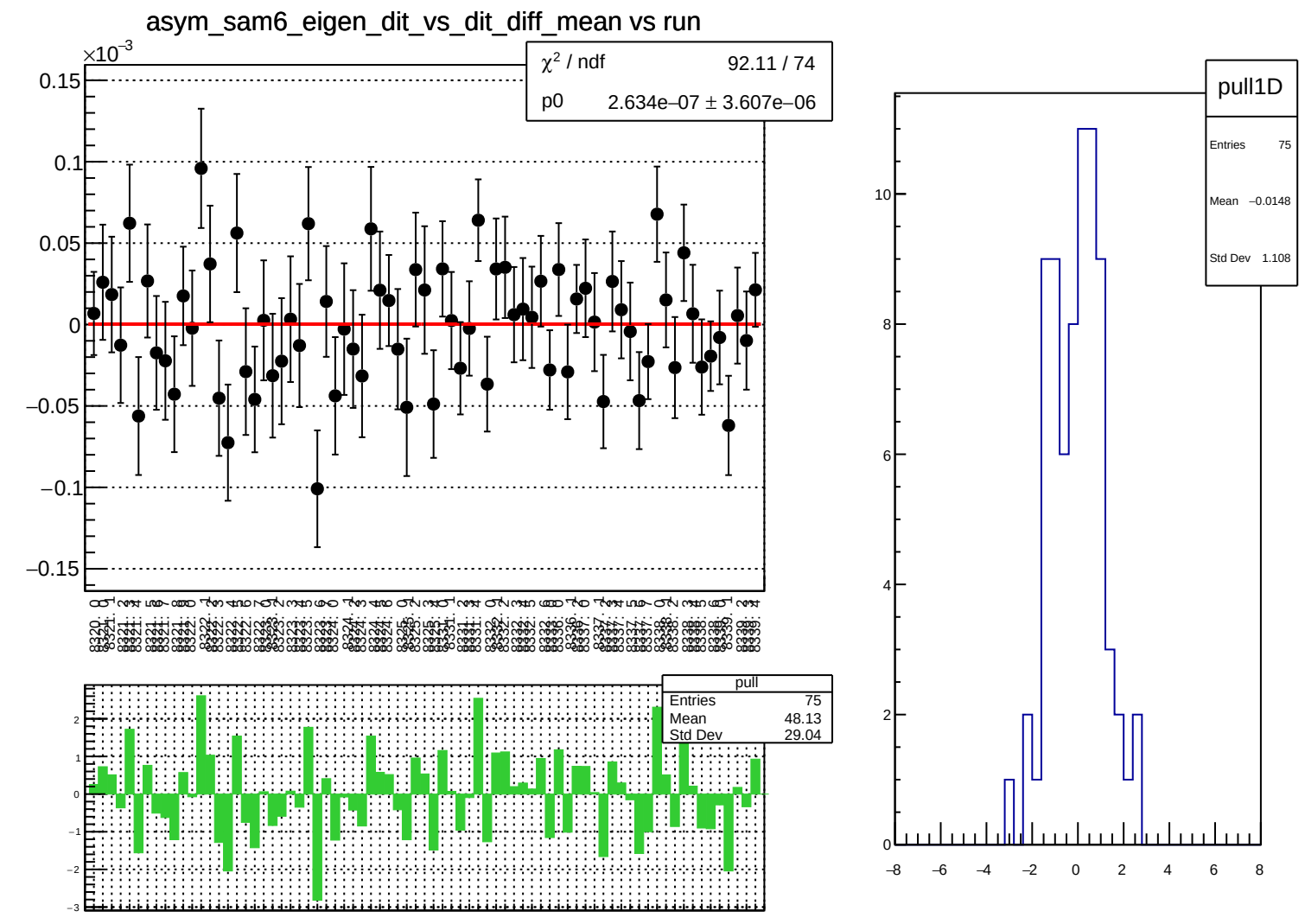

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 8.42e+05 / 74
p0 7.183e−11 ± 8.992e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

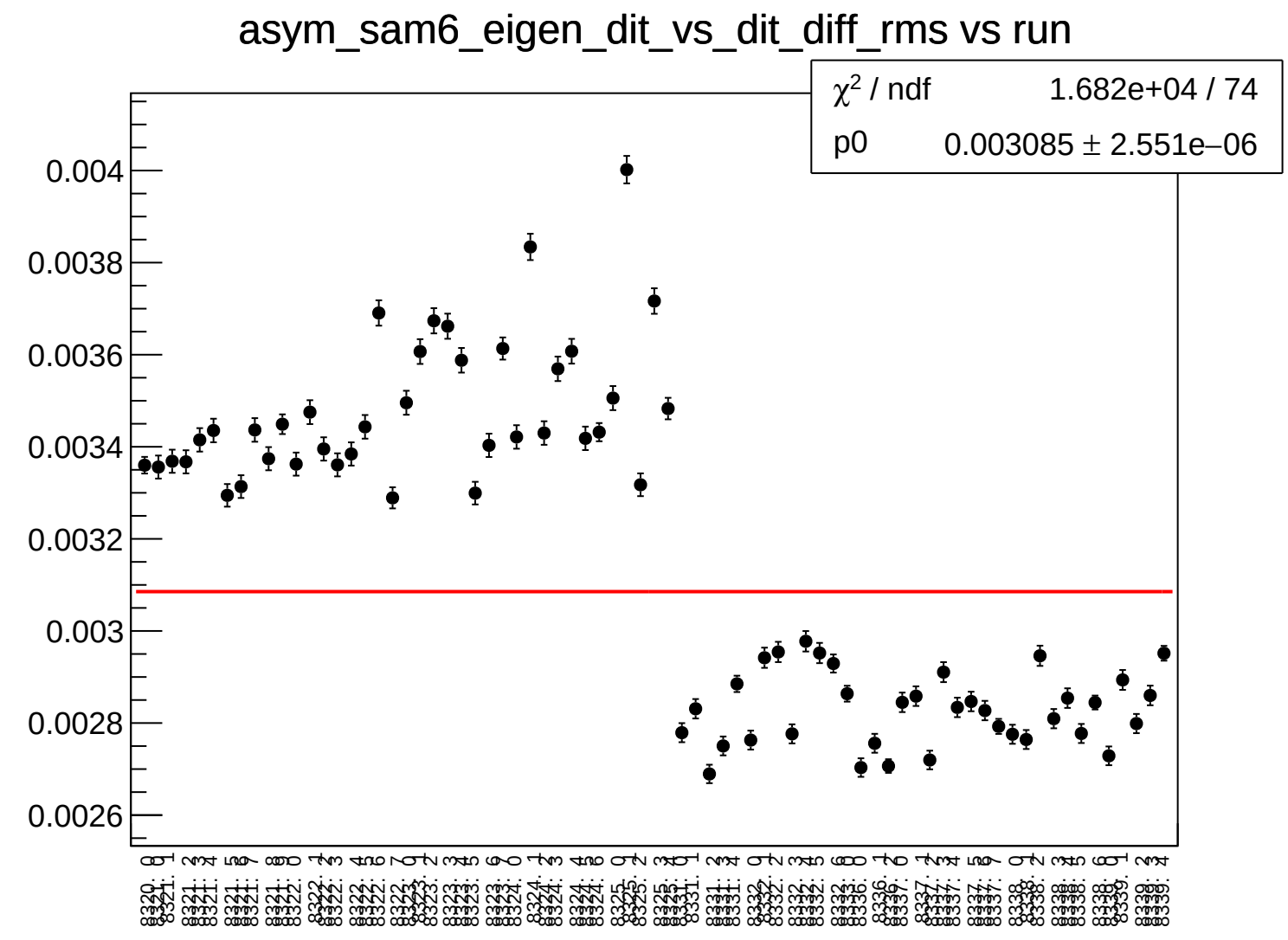

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 69.02 / 74
p0 −0.3442 ± 0.07426
pull
Entries 75
Mean −62.43
Std Dev 0
pull1D
Entries 75
Mean 0.01127
Std Dev 0.9592

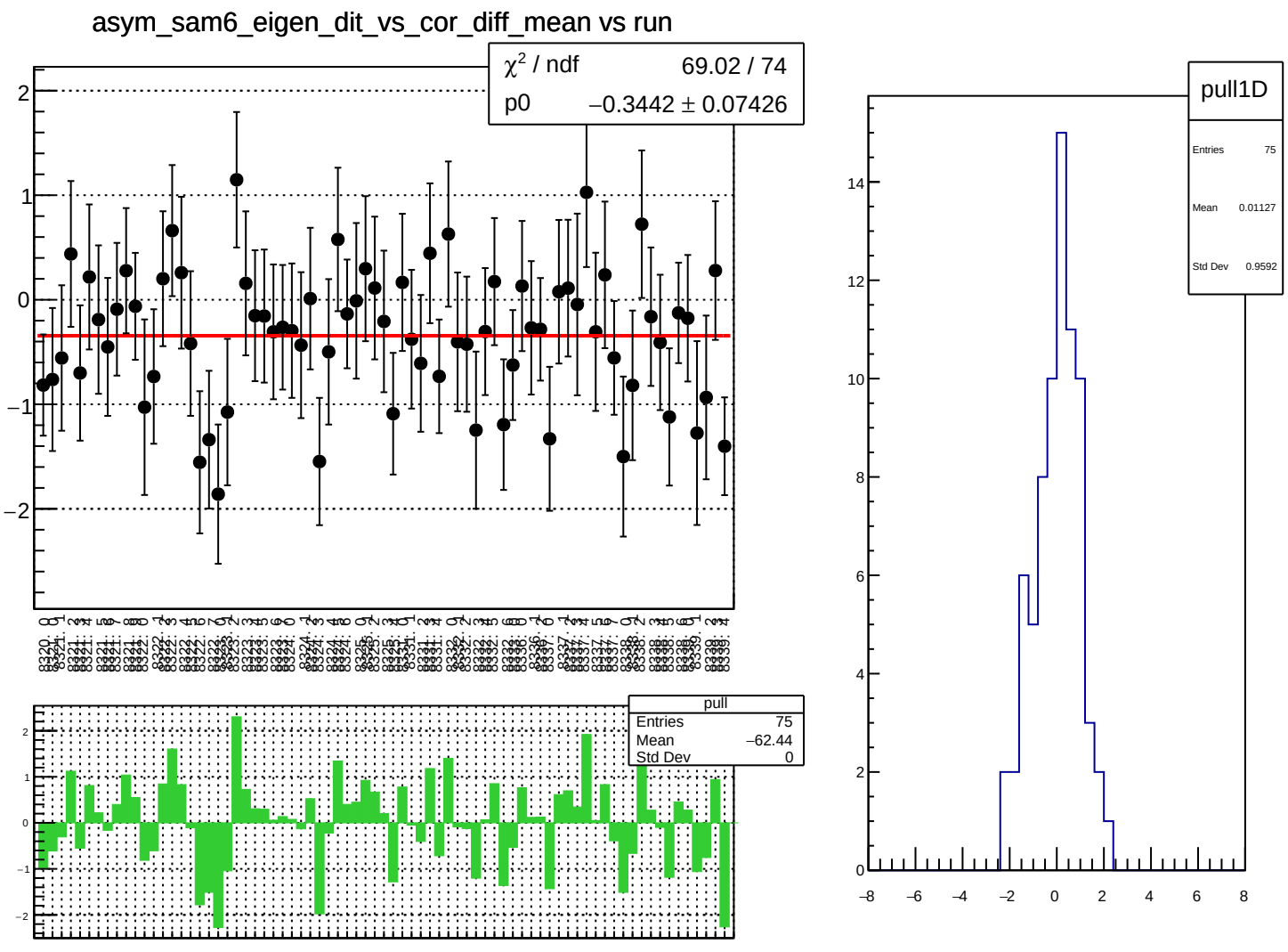

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 6801 / 74
p0 63.73 ± 0.05251
85
80
75
70
65
60
55

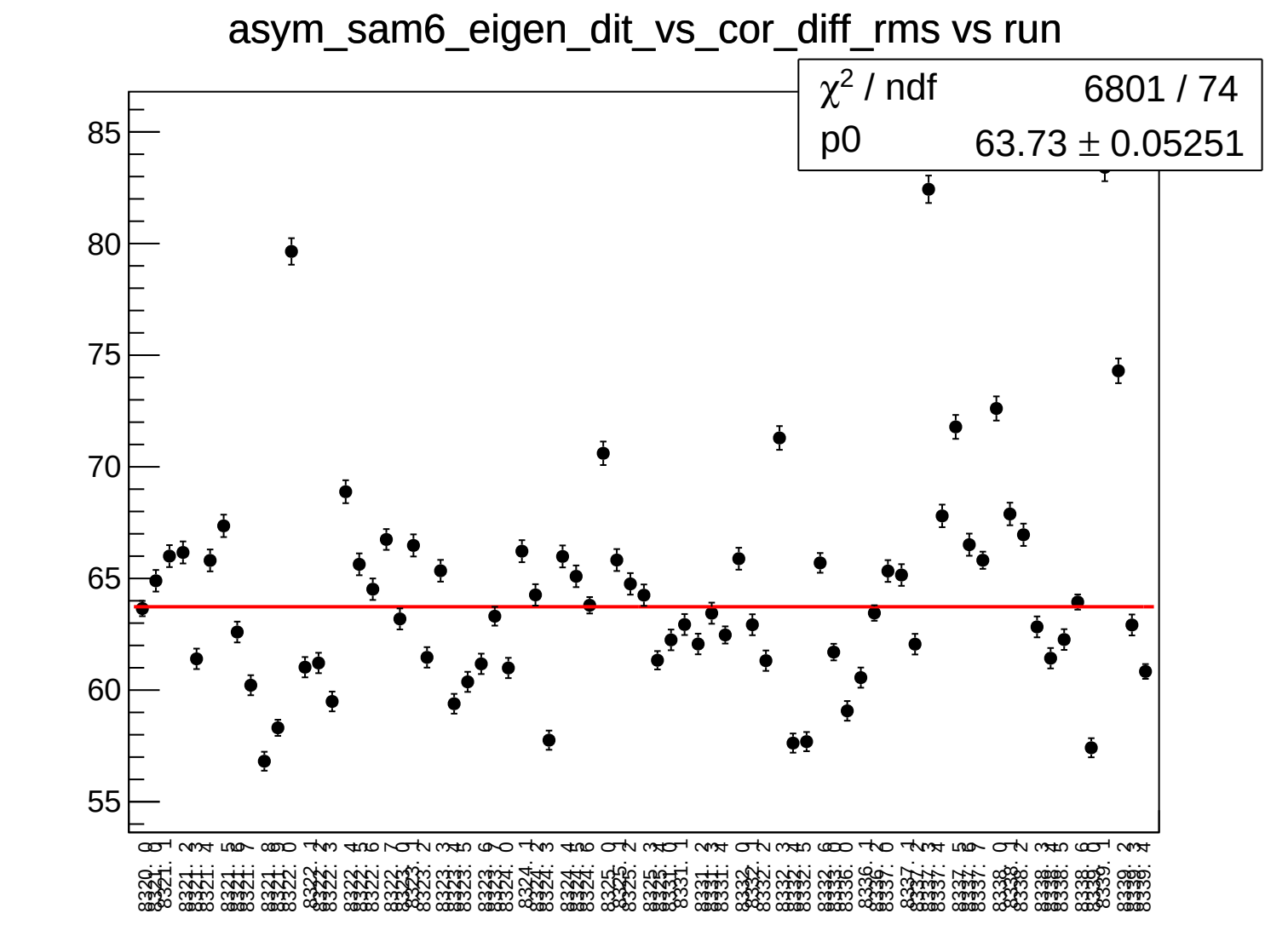

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.02 / 74
p0 −0.3442 ± 0.07426
pull
Entries 75
Mean −62.43
Std Dev 0
pull1D
Entries 75
Mean 0.01127
Std Dev 0.9592

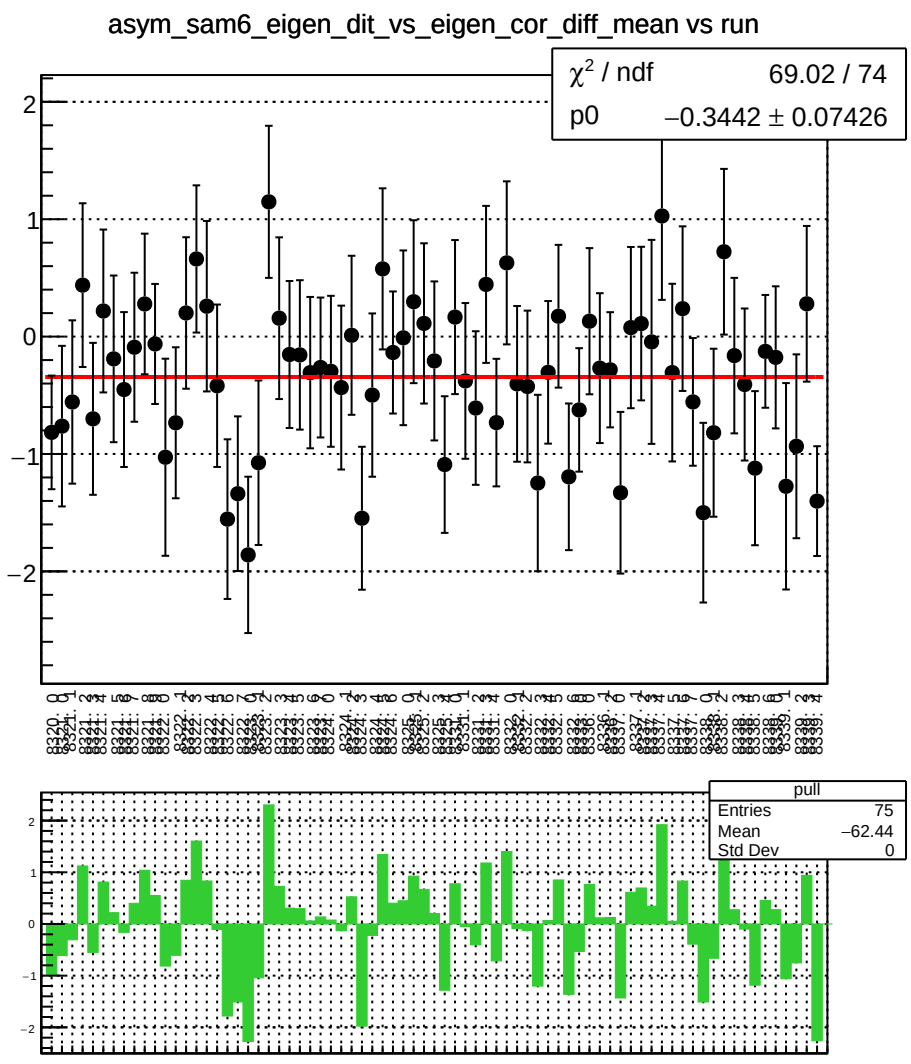

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6801 / 74
p0 63.73 ± 0.05251
85
80
75
70
65
60
55

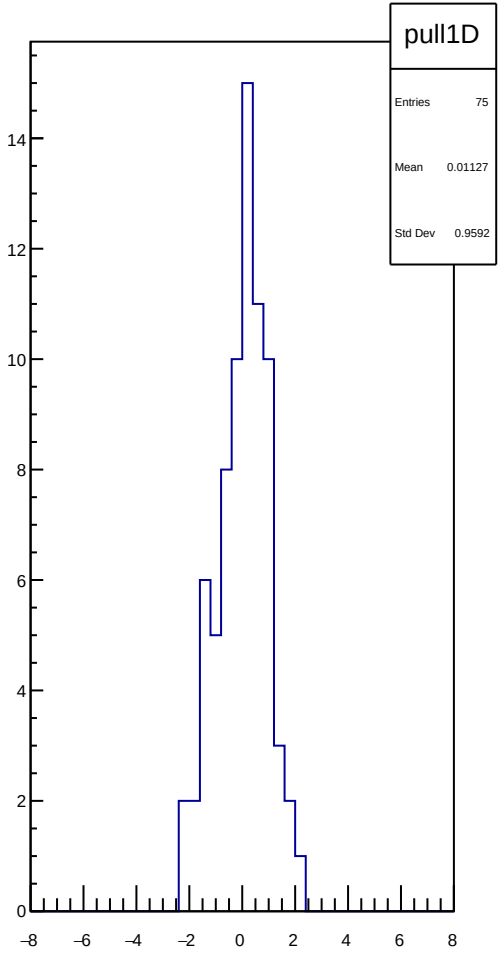

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 92.11 / 74
p0 2.634e−07 ± 3.607e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 75
Mean 48.13
Std Dev 29.04
pull1D
Entries 75
Mean −0.0148
Std Dev 1.108

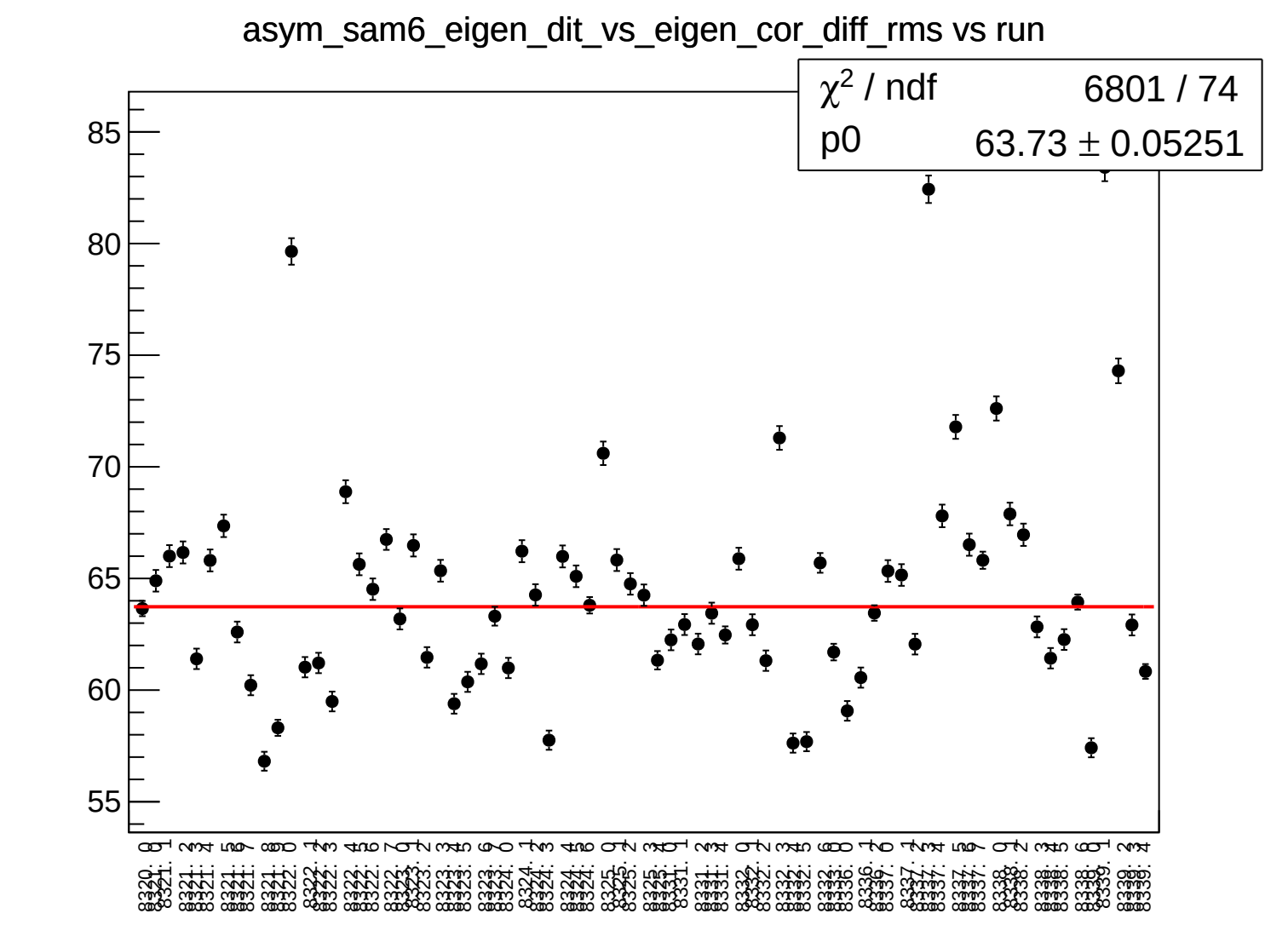

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.682e+04 / 74
p0 0.003085 ± 2.551e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026

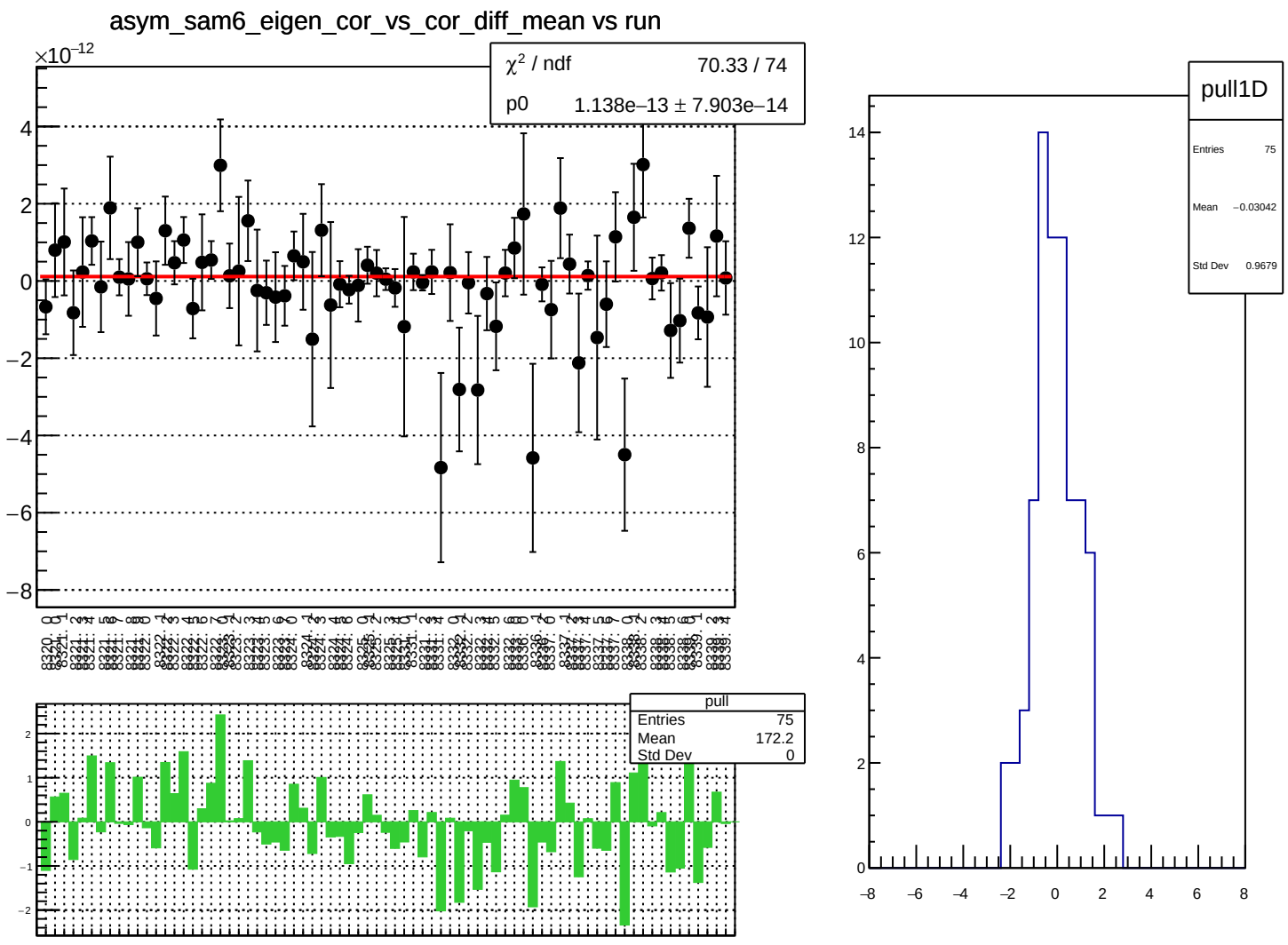

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.02 / 74
p0 −0.3442 ± 0.07426
pull
Entries 75
Mean −62.44
Std Dev 0
pull1D
Entries 75
Mean 0.01127
Std Dev 0.9592

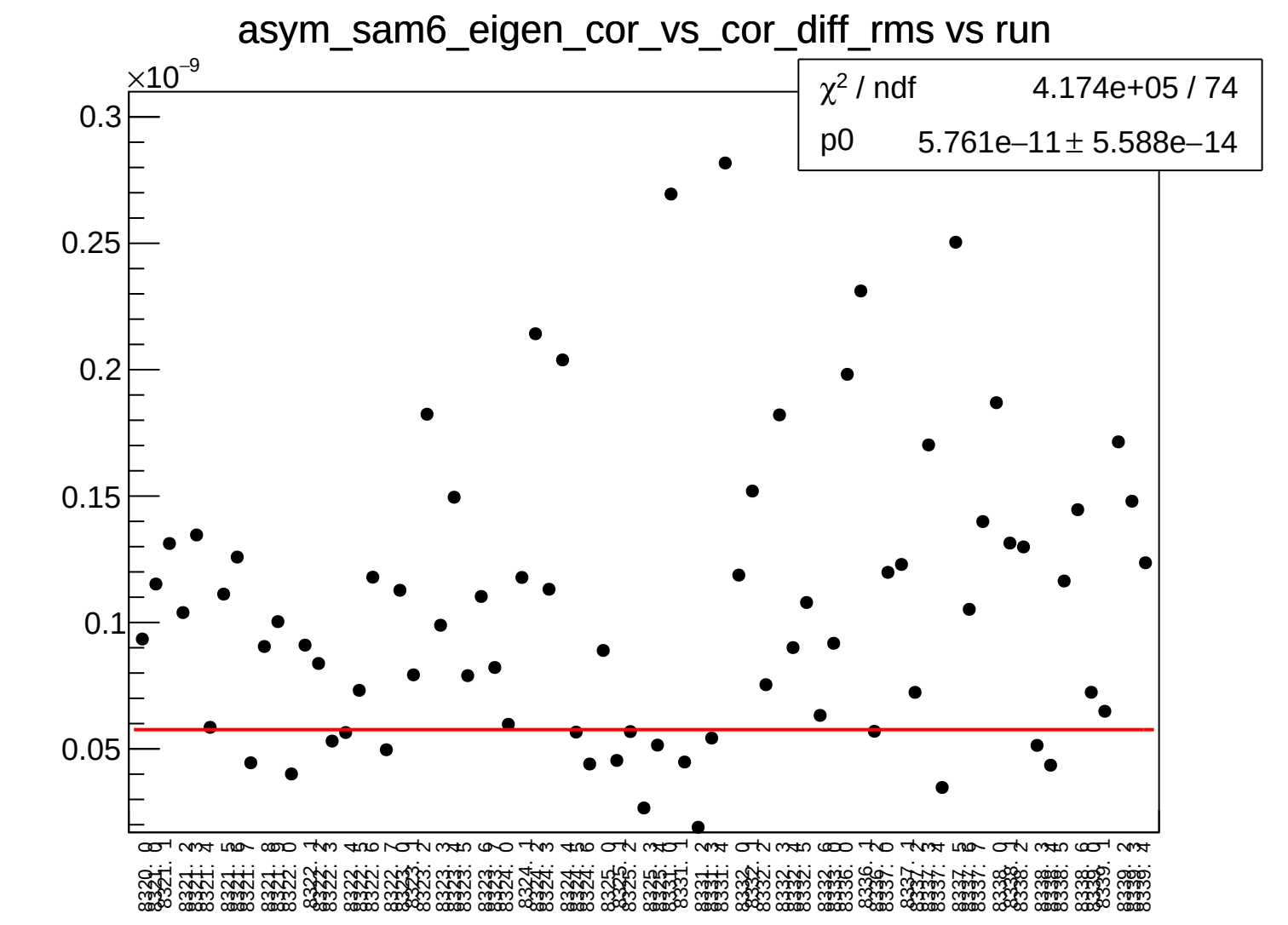

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6801 / 74
p0 63.73 ± 0.05251
85
80
75
70
65
60
55

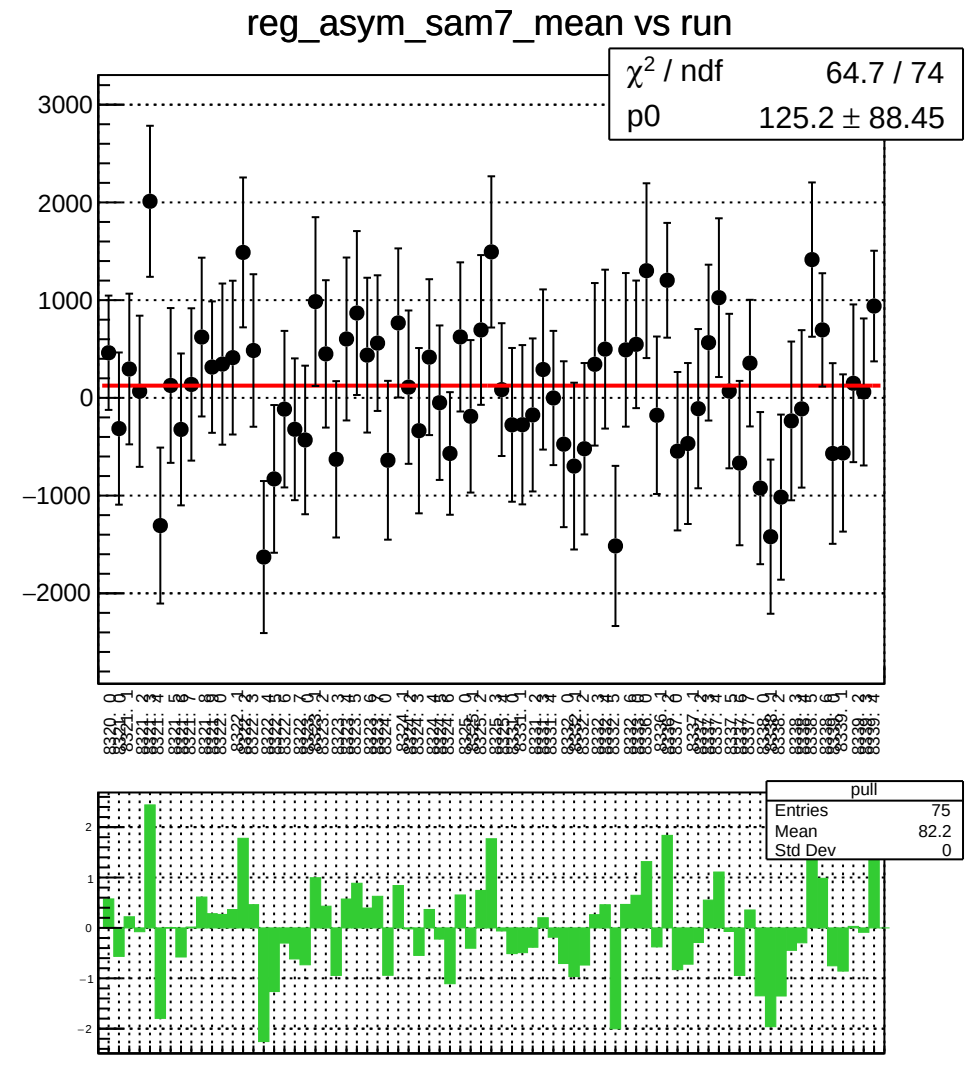

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.02 / 74
p0 −0.3442 ± 0.07426
pull
Entries 75
Mean −62.44
Std Dev 0

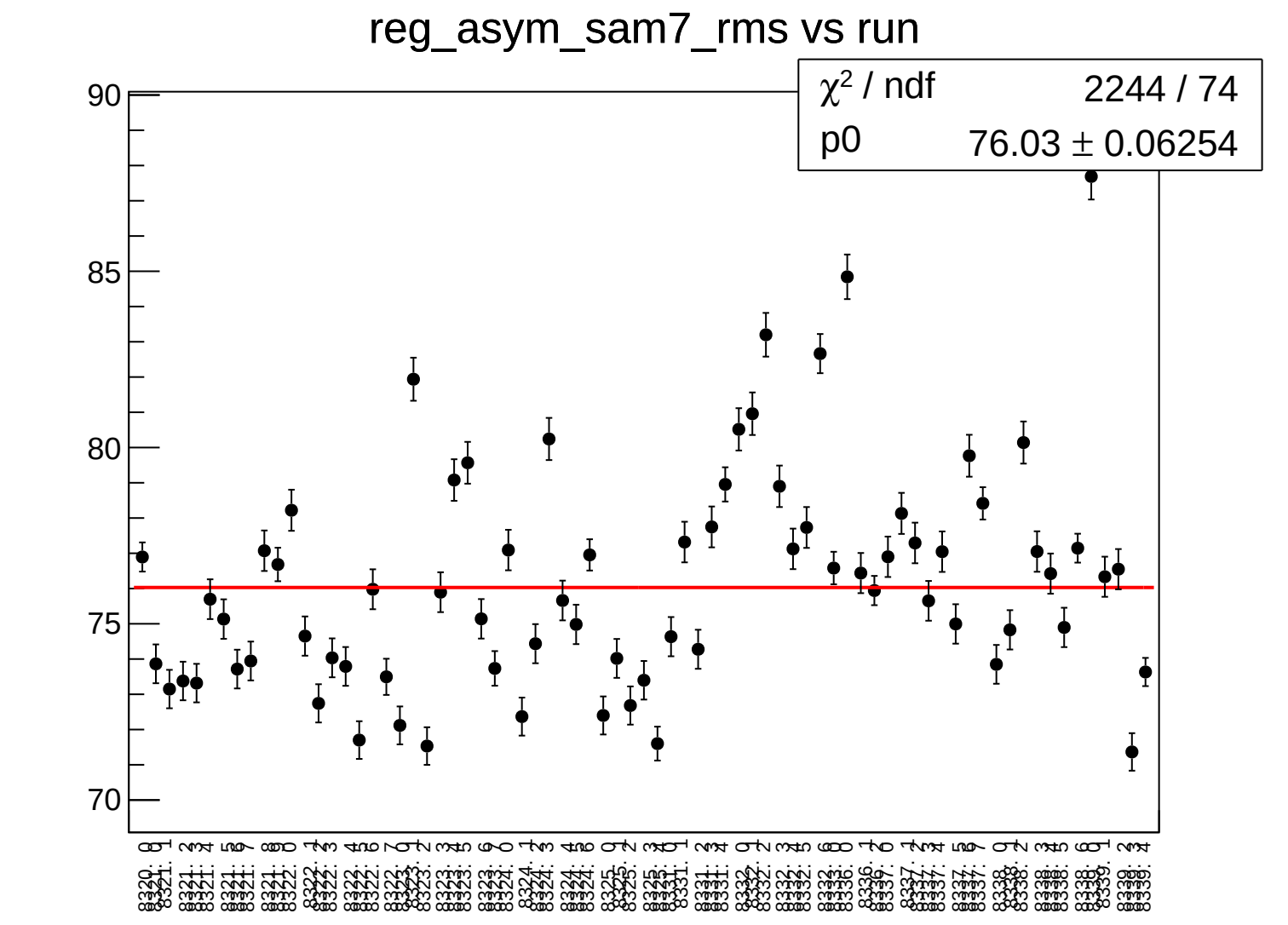

pull1D
Entries 75
Mean 0.01127
Std Dev 0.9592

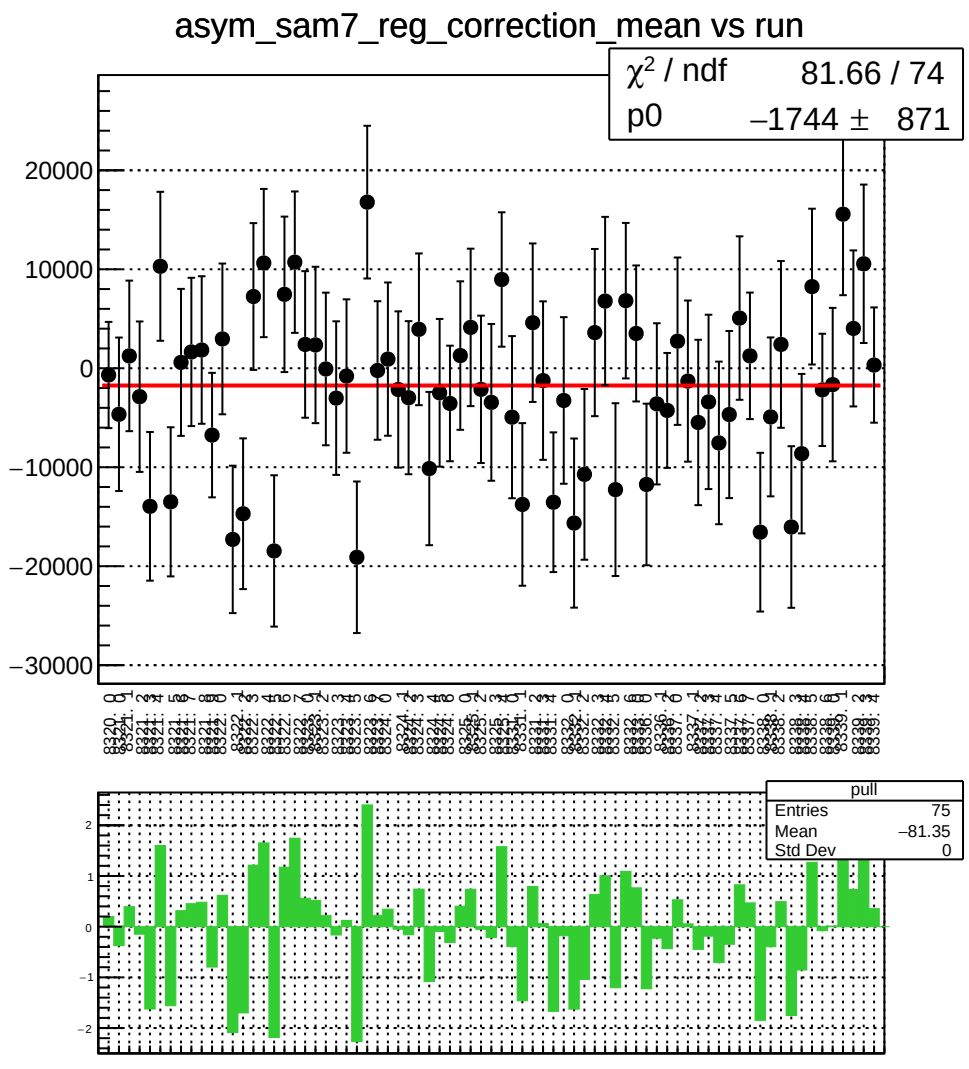

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6801 / 74
p0 63.73 ± 0.05251
85
80
75
70
65
60
55

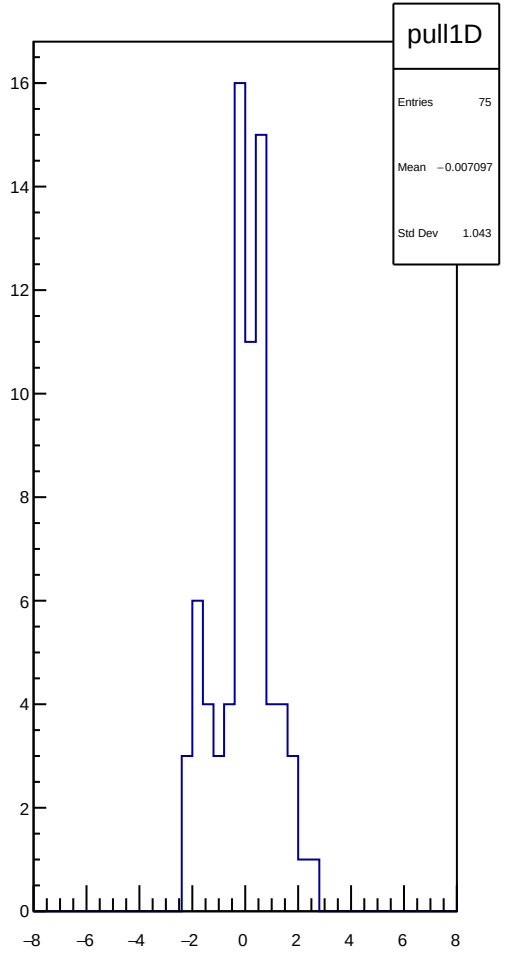

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.33 / 74
p0 1.138e−13 ± 7.903e−14
pull
Entries 75
Mean 172.2
Std Dev 0
pull1D
Entries 75
Mean −0.03042
Std Dev 0.9679

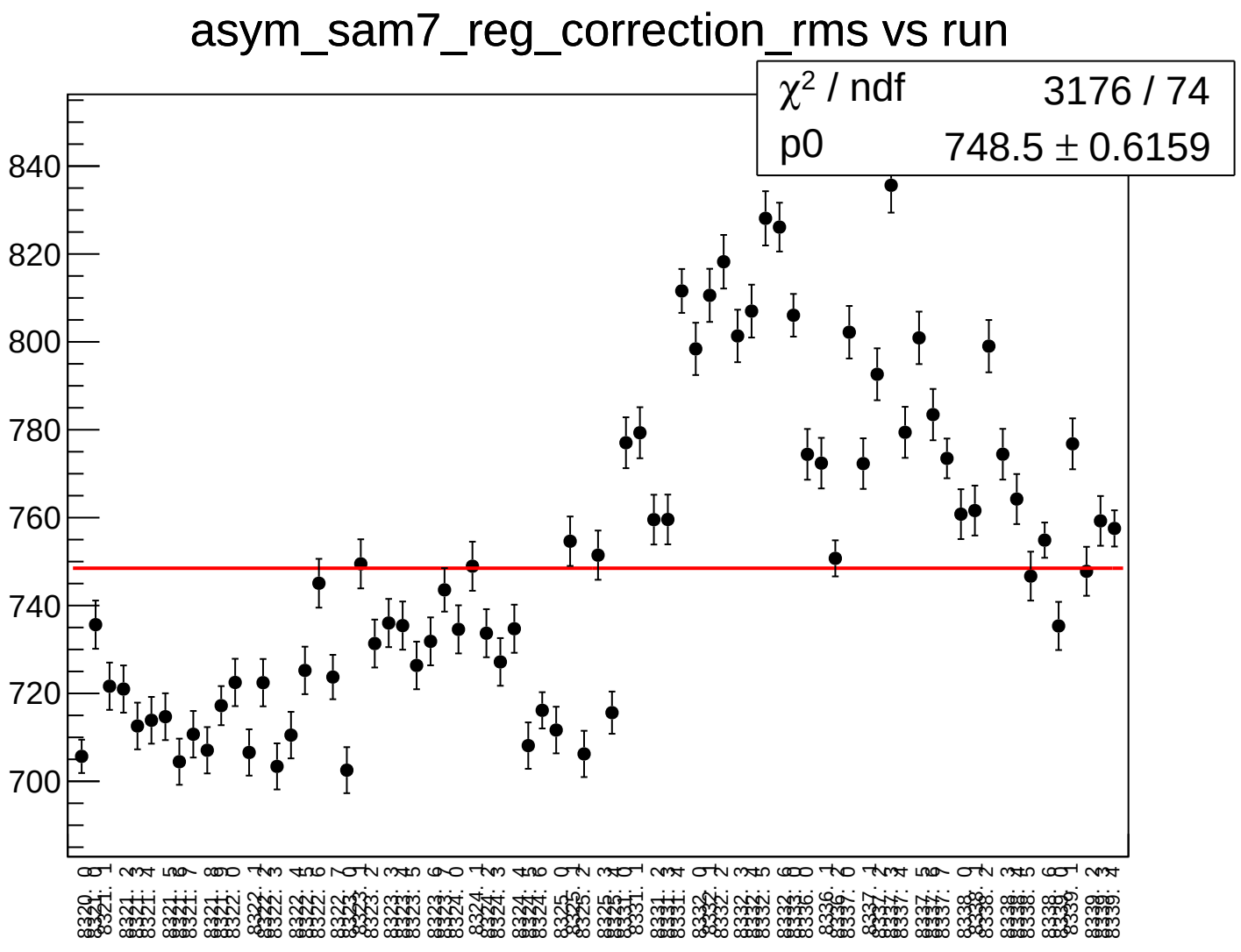

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.174e+05 / 74
p0 5.761e−11 ± 5.588e−14
0.3
0.25
0.2
0.15
0.1
0.05

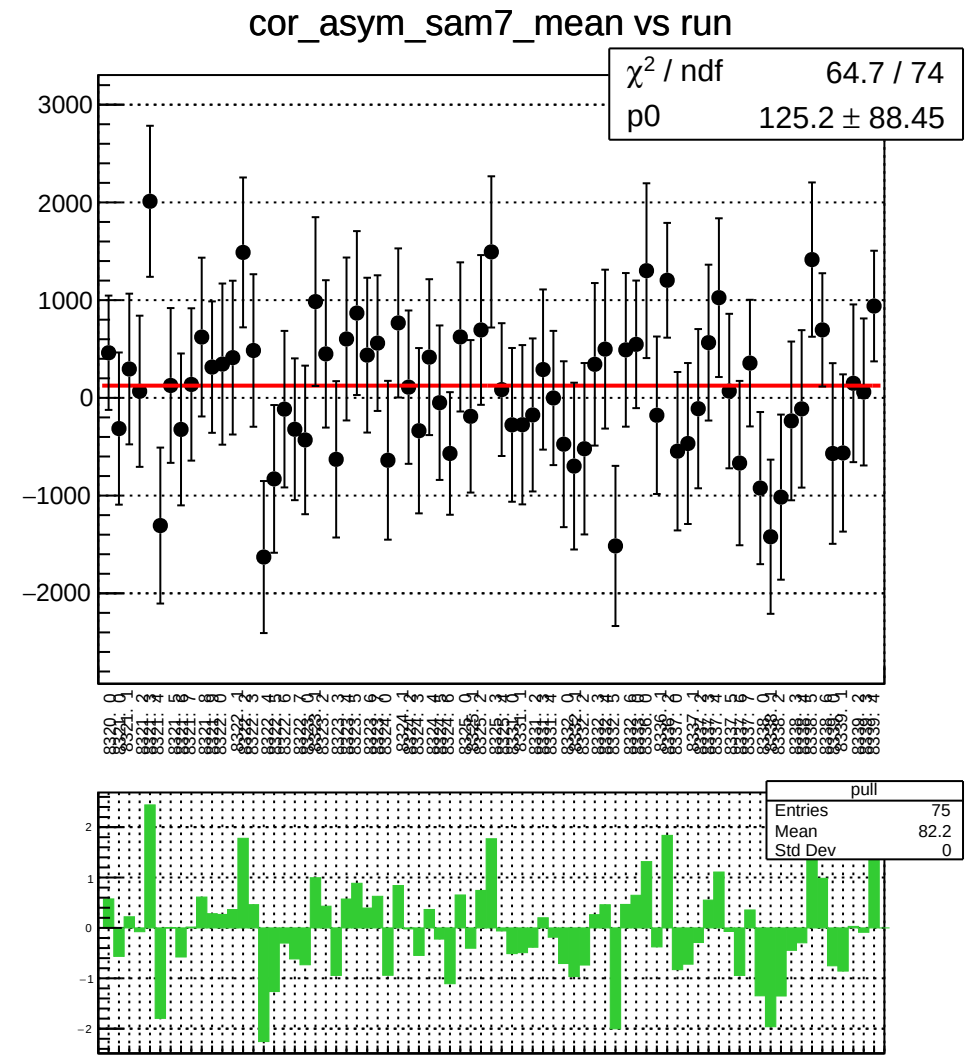

reg_asym_sam7_mean vs run
χ² / ndf 64.7 / 74
p0 125.2 ± 88.45
pull
Entries 75
Mean 82.2
Std Dev 0
pull1D
Entries 75
Mean −0.02827
Std Dev 0.9283

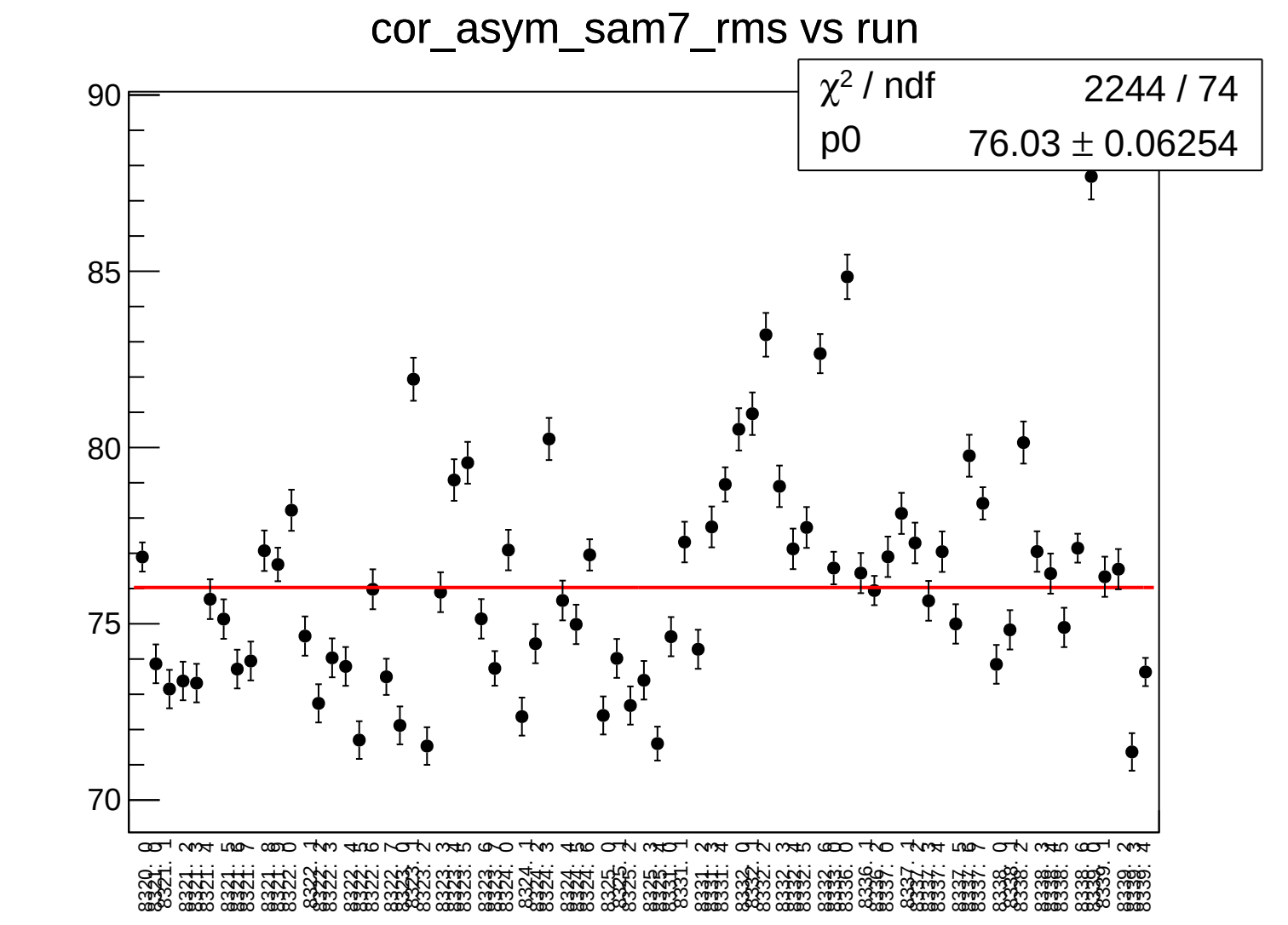

reg_asym_sam7_rms vs run
χ^2 / ndf 2244 / 74
p0 76.03 ± 0.06254
90
85
80
75
70

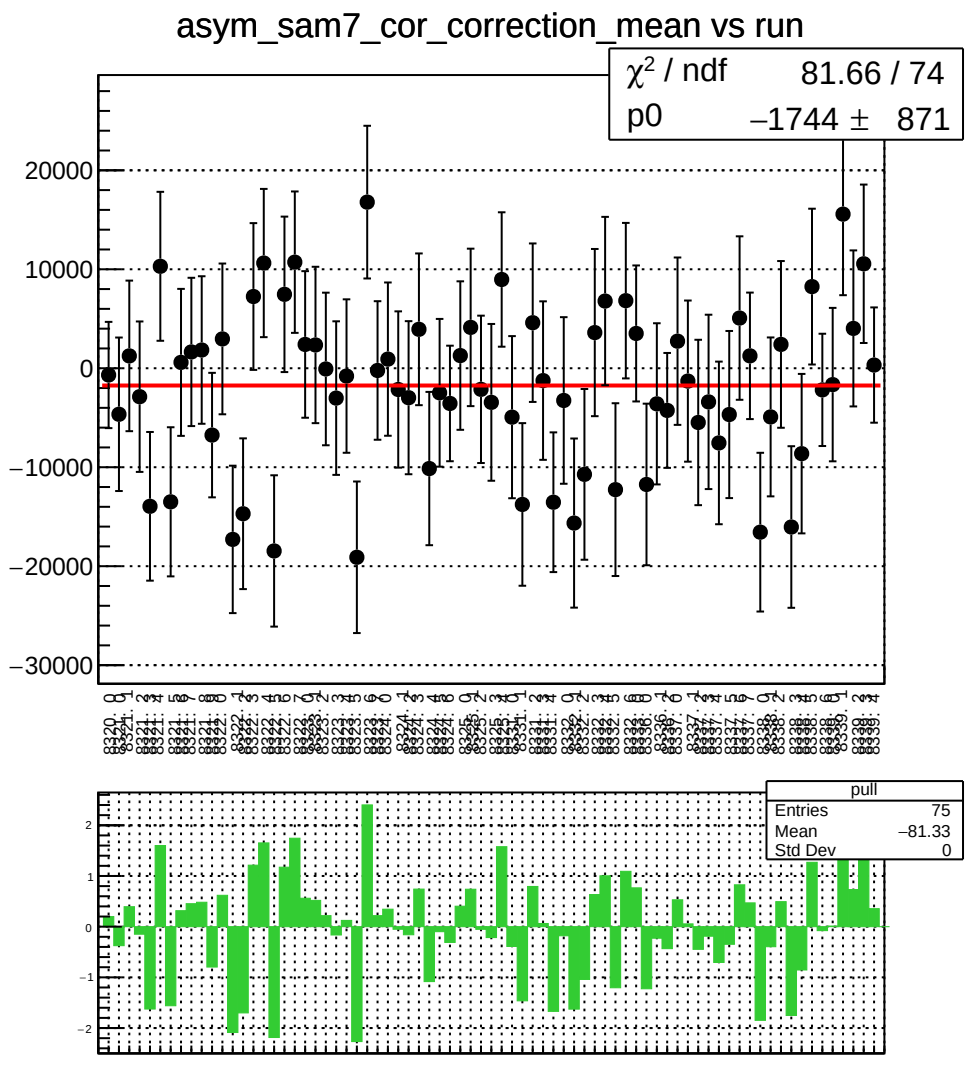

asym_sam7_reg_correction_mean vs run
χ² / ndf 81.66 / 74
p0 −1744 ± 871
pull
Entries 75
Mean −81.35
Std Dev 0

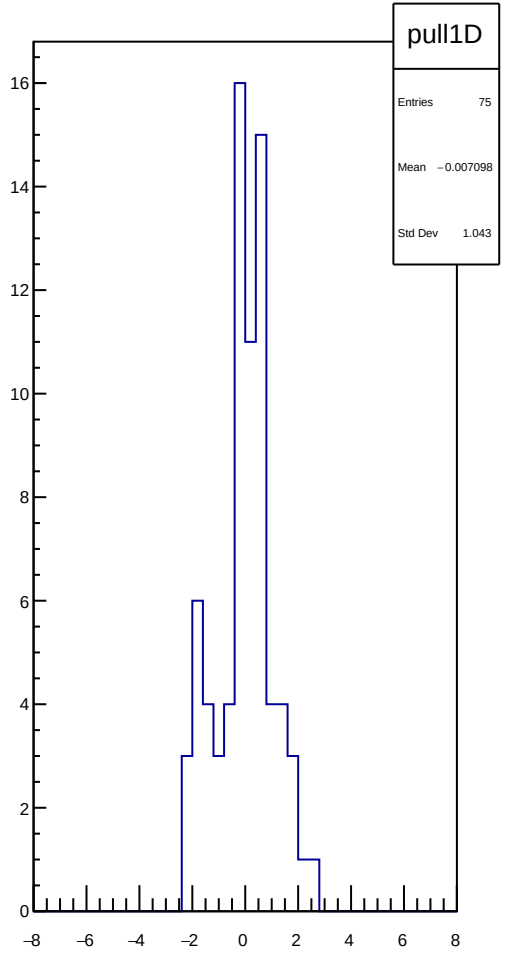

pull1D
Entries 75
Mean −0.007097
Std Dev 1.043

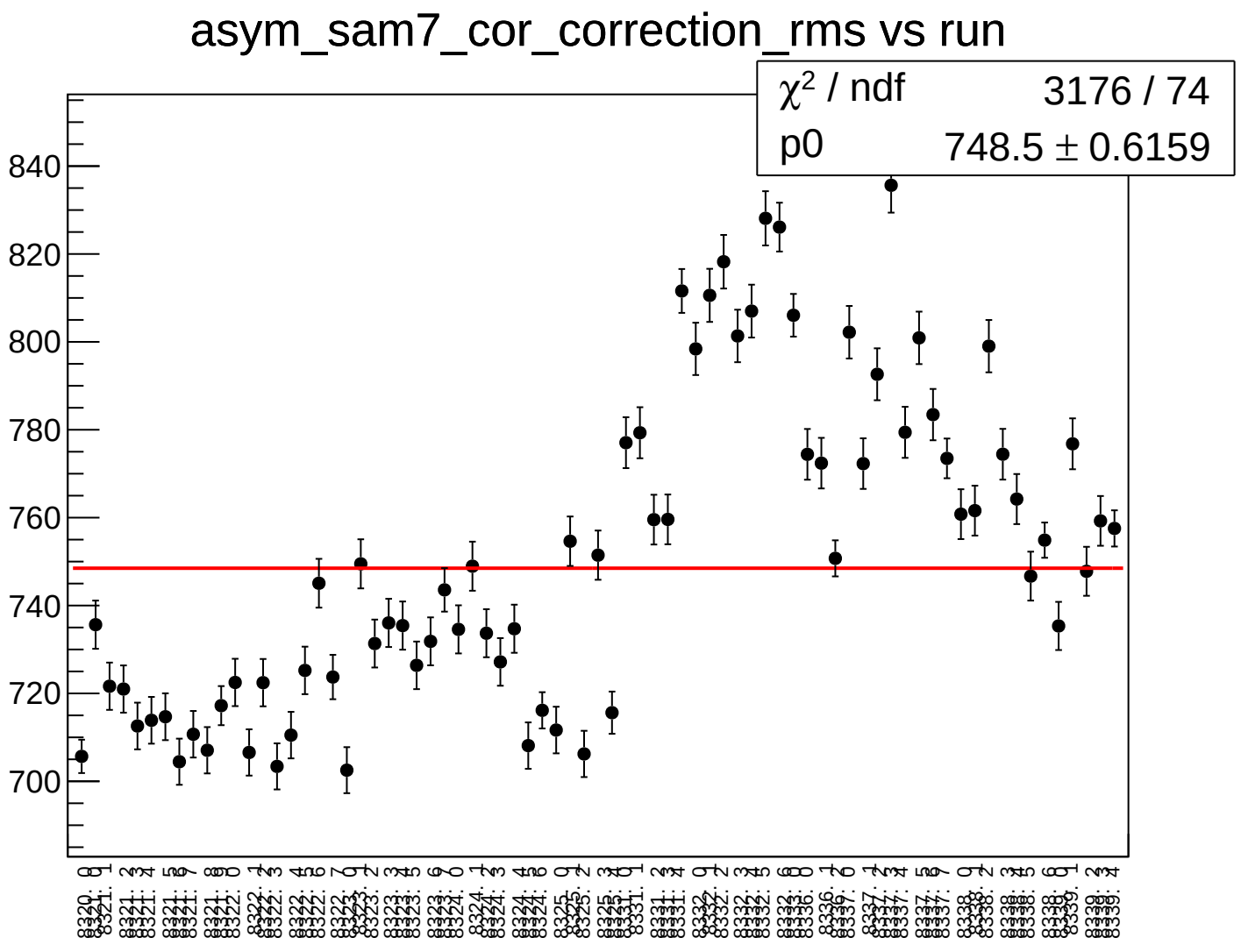

asym_sam7_reg_correction_rms vs run
χ² / ndf 3176 / 74
p0 748.5 ± 0.6159
840
820
800
780
760
740
720
700

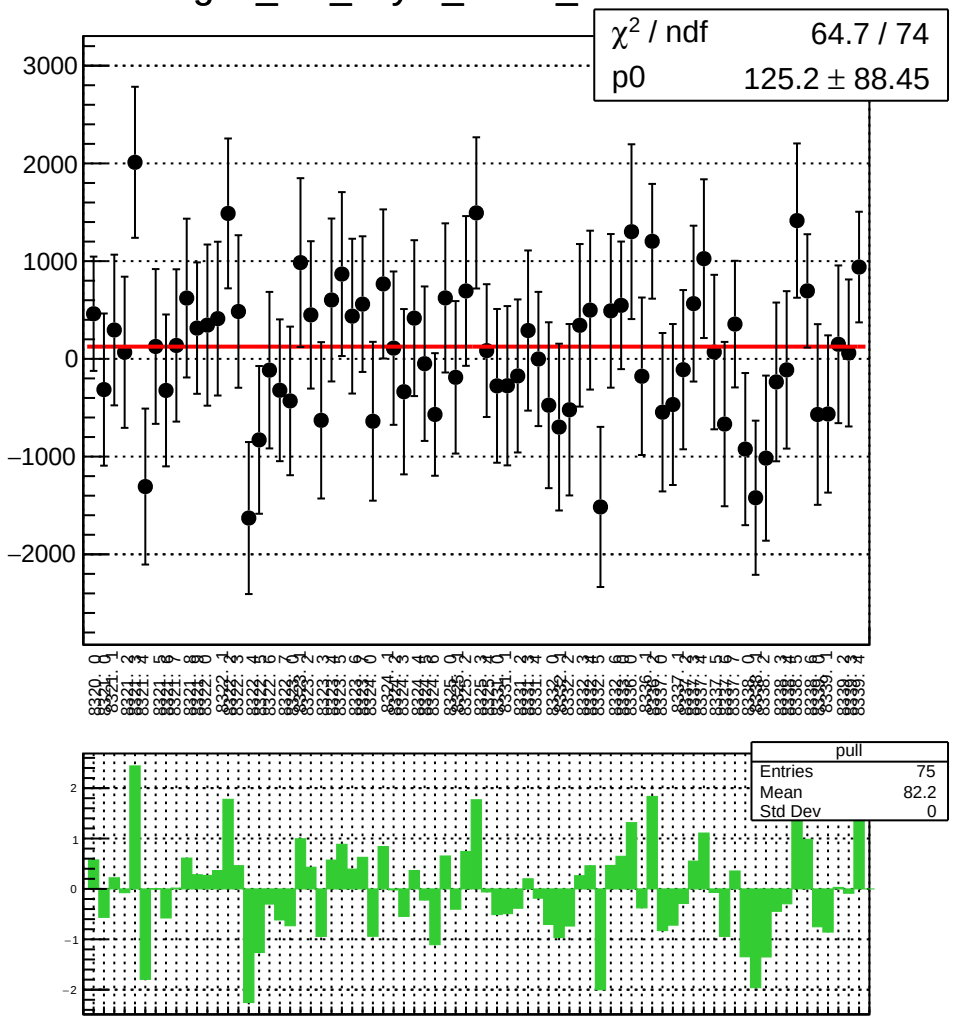

cor_asym_sam7_mean vs run
χ² / ndf 64.7 / 74
p0 125.2 ± 88.45
pull
Entries 75
Mean 82.2
Std Dev 0
pull1D
Entries 75
Mean −0.02827
Std Dev 0.9284

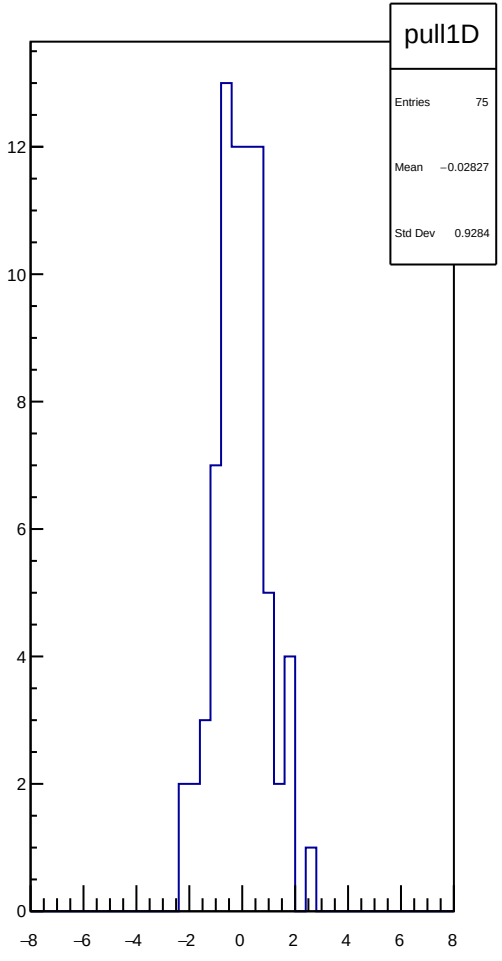

cor_asym_sam7_rms vs run
χ² / ndf 2244 / 74
p0 76.03 ± 0.06254
90
85
80
75
70

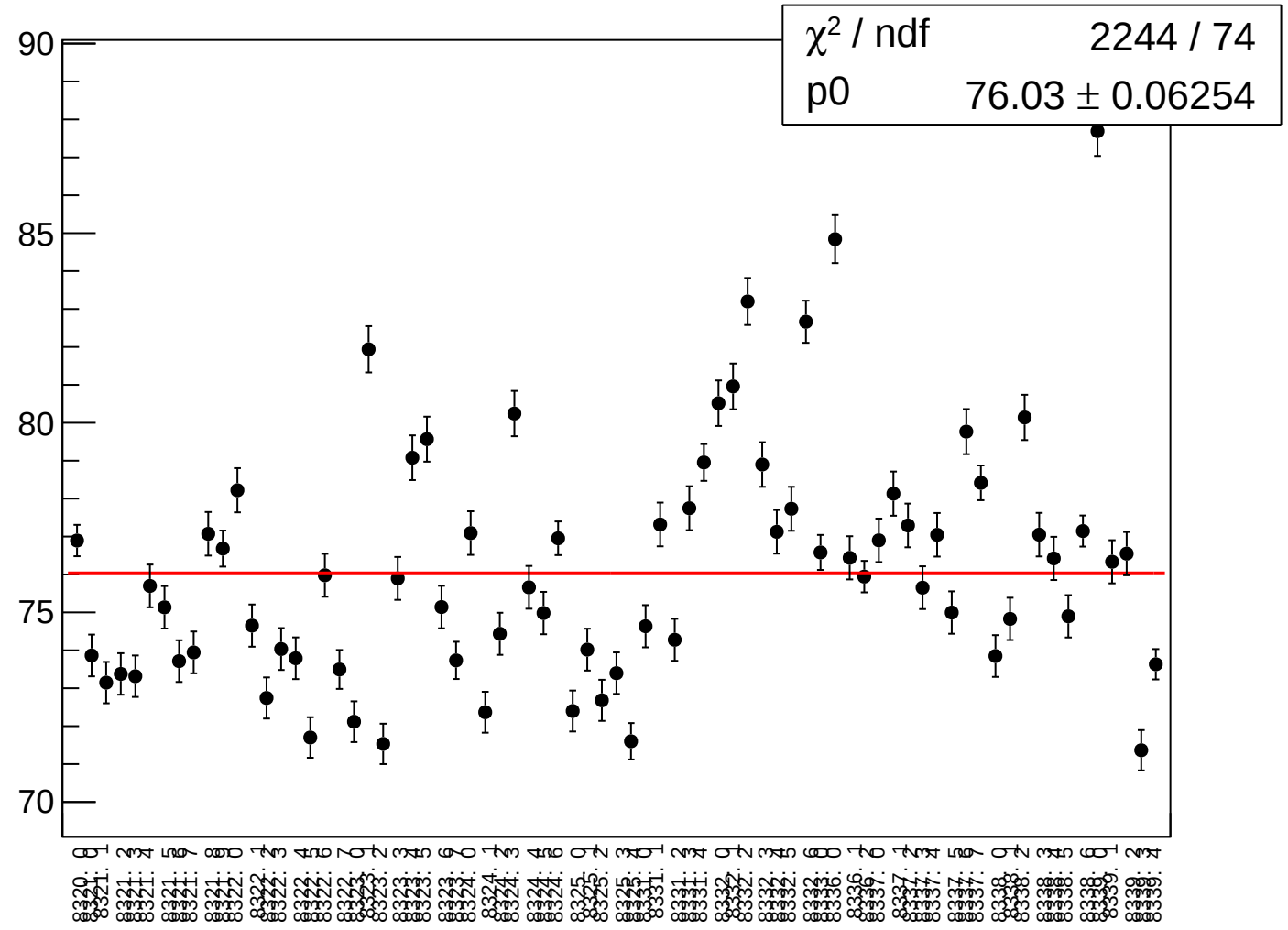

asym_sam7_cor_correction_mean vs run
χ² / ndf 81.66 / 74
p0 −1744 ± 871
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean −81.33
Std Dev 0
2
1
0
−1
−2

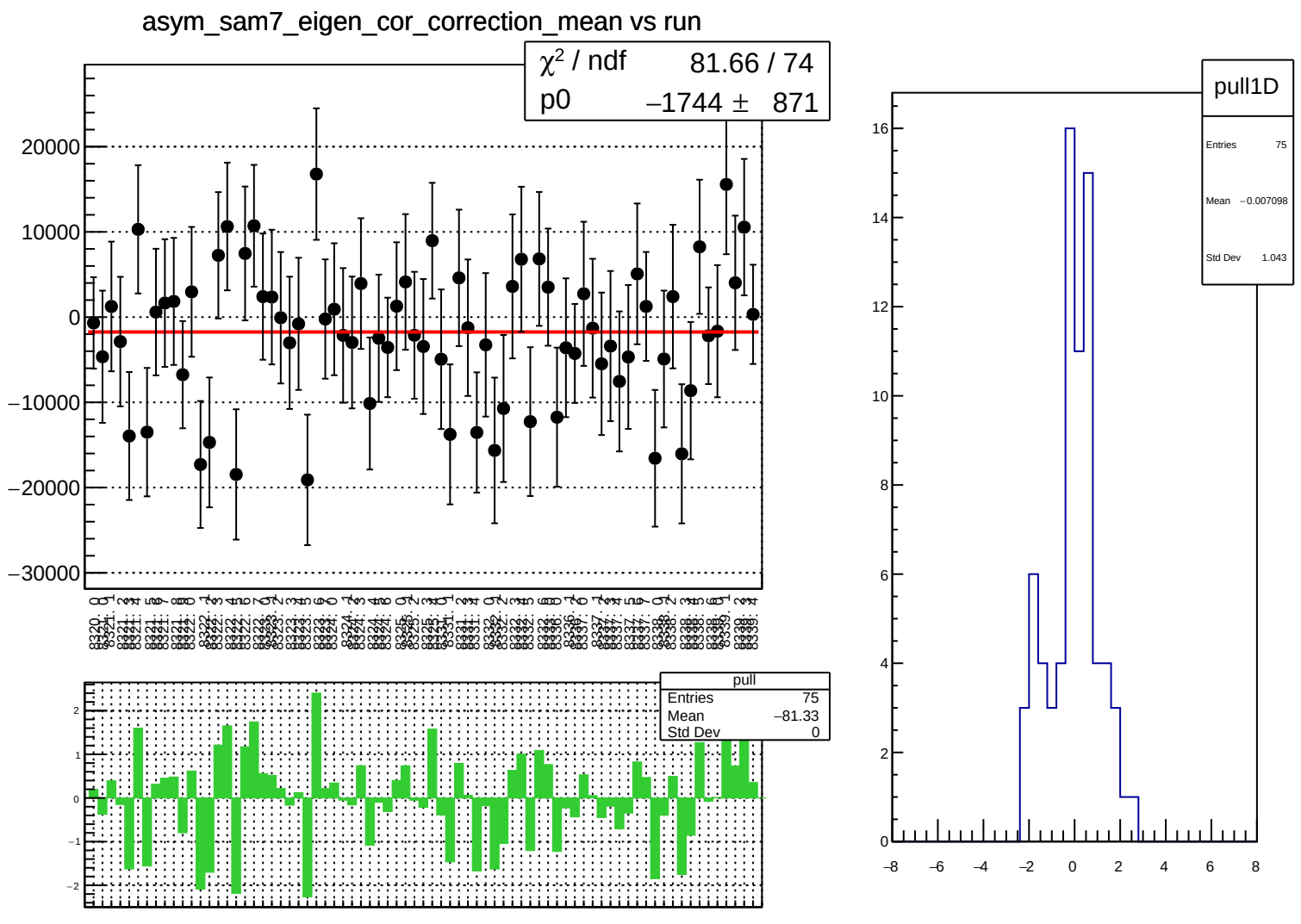

pull1D
Entries 75
Mean −0.007098
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

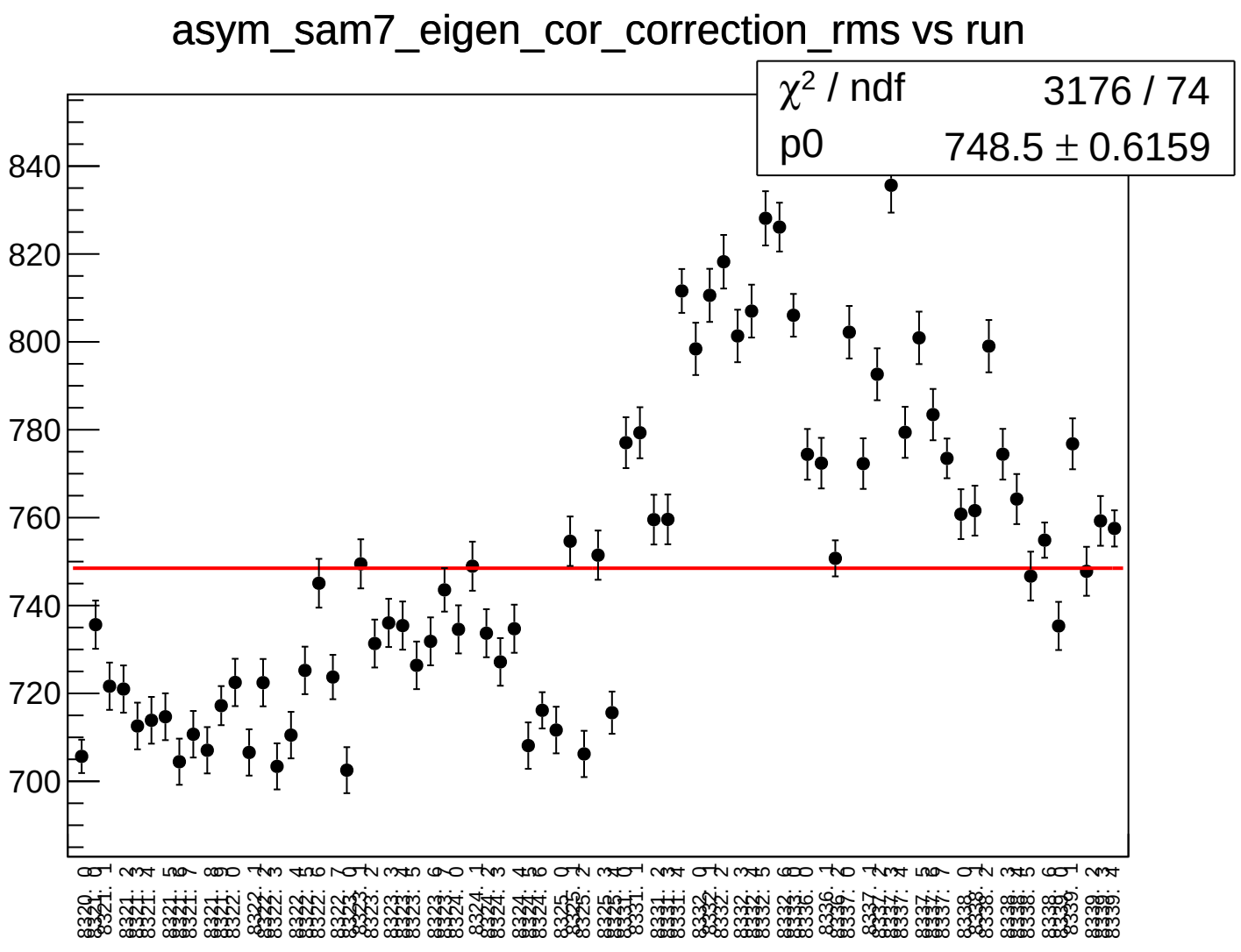

asym_sam7_cor_correction_rms vs run
χ² / ndf 3176 / 74
p0 748.5 ± 0.6159
840
820
800
780
760
740
720
700

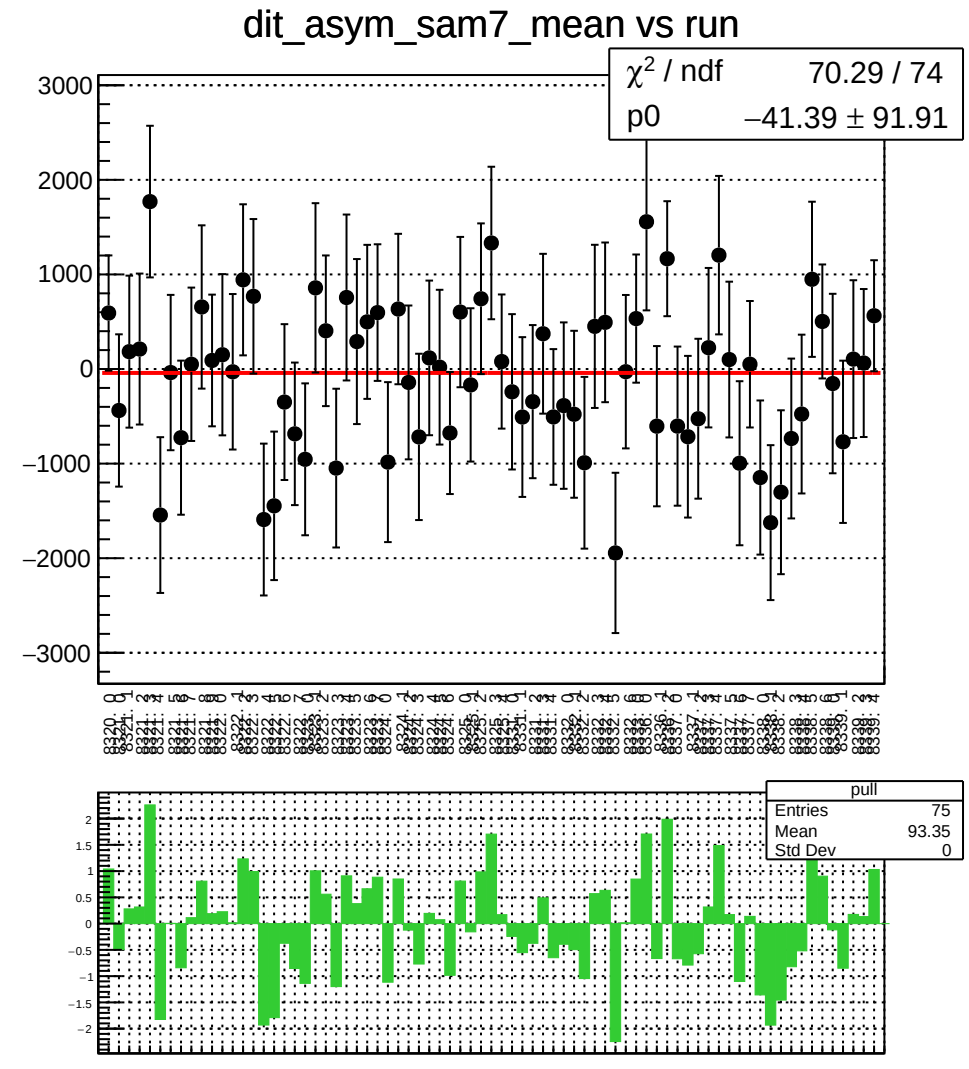

eigen_cor_asym_sam7_mean vs run
χ² / ndf 64.7 / 74
p0 125.2 ± 88.45
pull
Entries 75
Mean 82.2
Std Dev 0

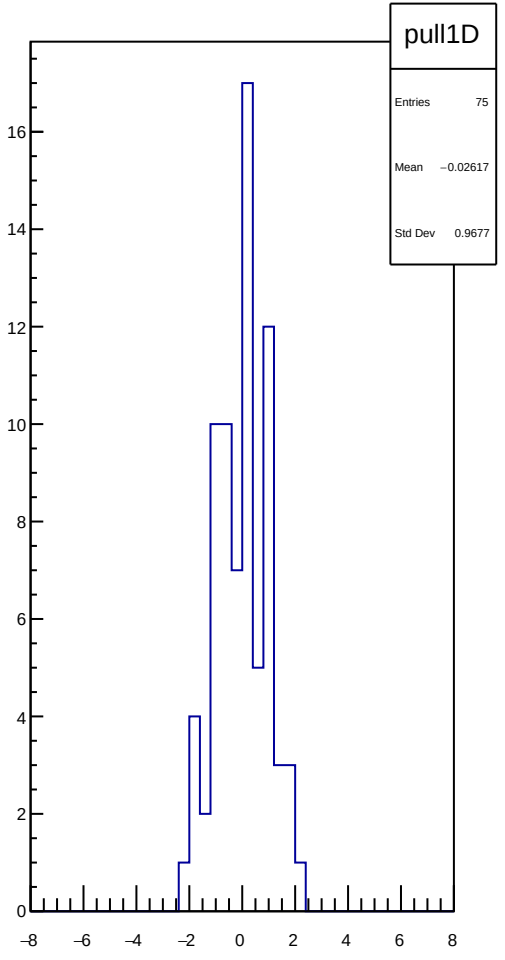

pull1D
Entries 75
Mean −0.02827
Std Dev 0.9284

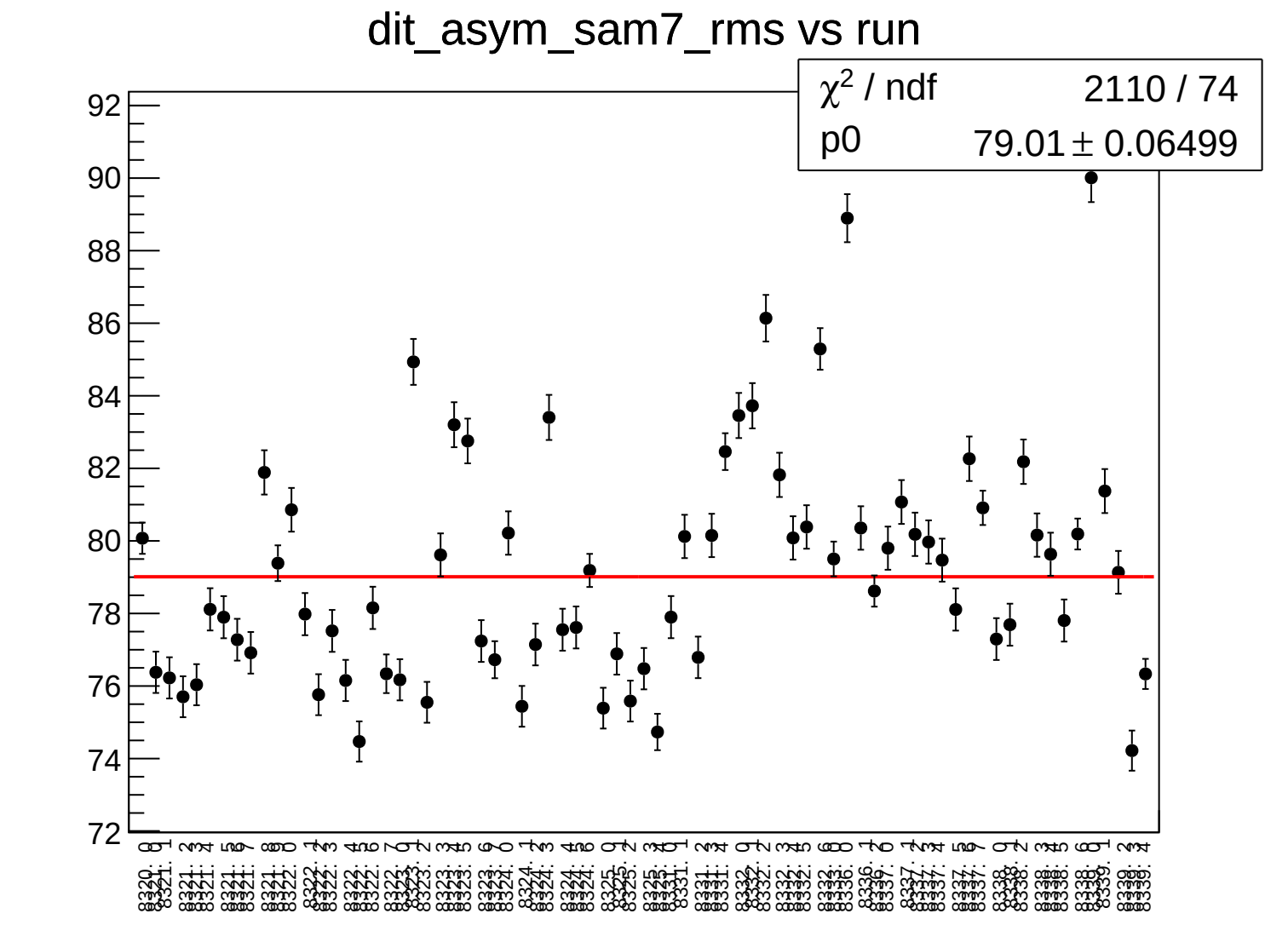

eigen_cor_asym_sam7_rms vs run
χ² / ndf 2244 / 74
p0 76.03 ± 0.06254
90
85
80
75
70

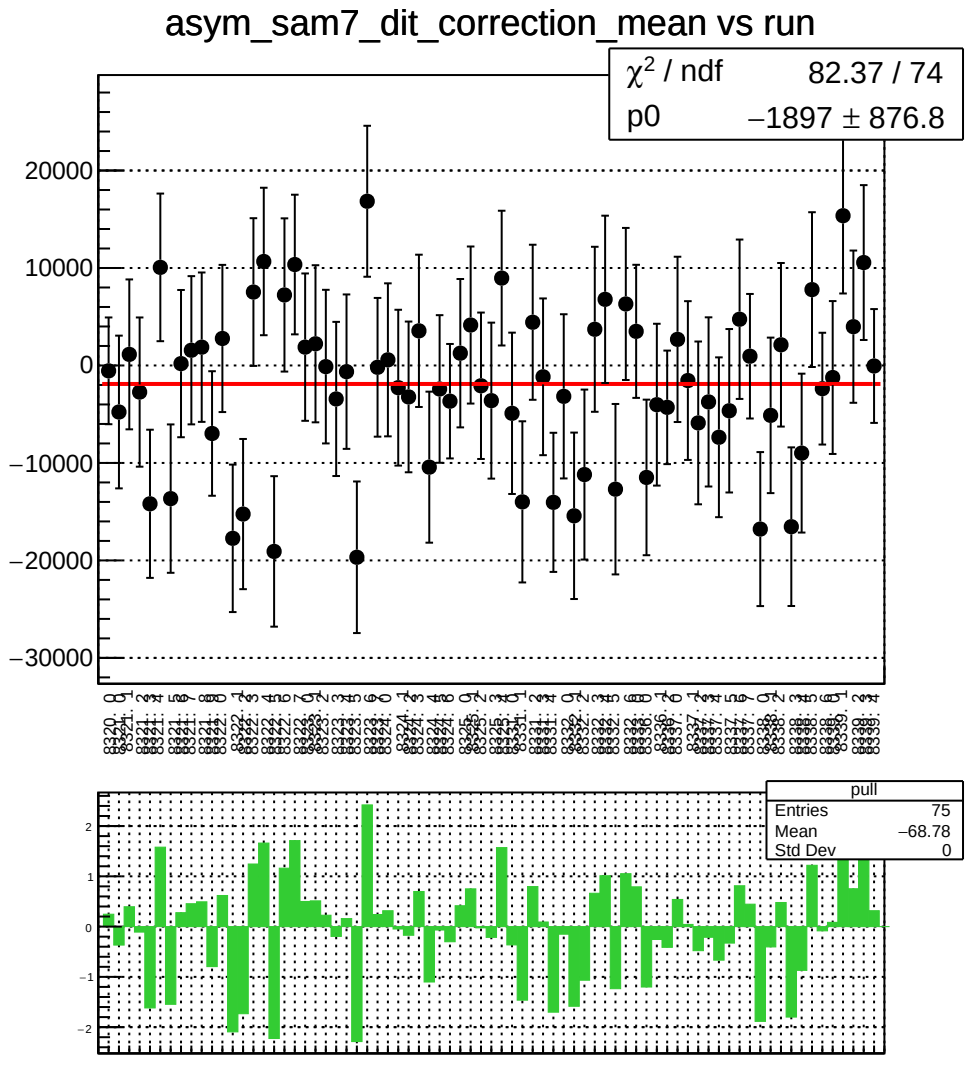

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 81.66 / 74
p0 −1744 ± 871
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean −81.33
Std Dev 0
pull1D
Entries 75
Mean −0.007098
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

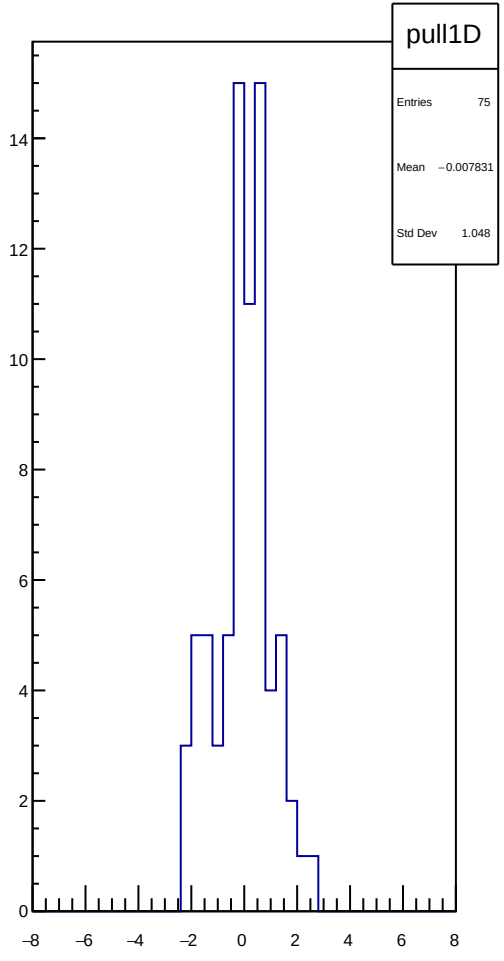

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 3176 / 74
p0 748.5 ± 0.6159
840
820
800
780
760
740
720
700

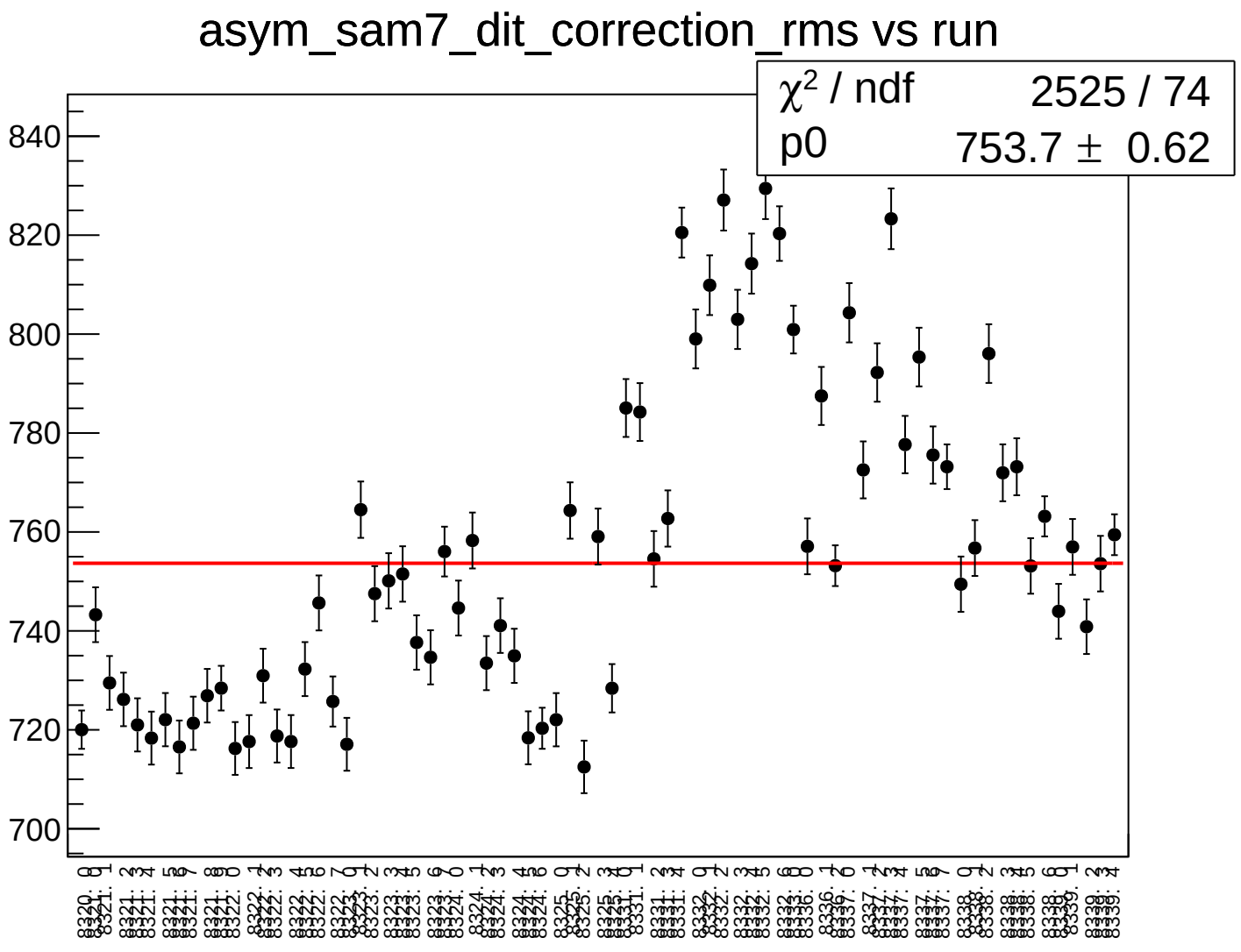

dit_asym_sam7_mean vs run
χ² / ndf 70.29 / 74
p0 −41.39 ± 91.91
pull
Entries 75
Mean 93.35
Std Dev 0

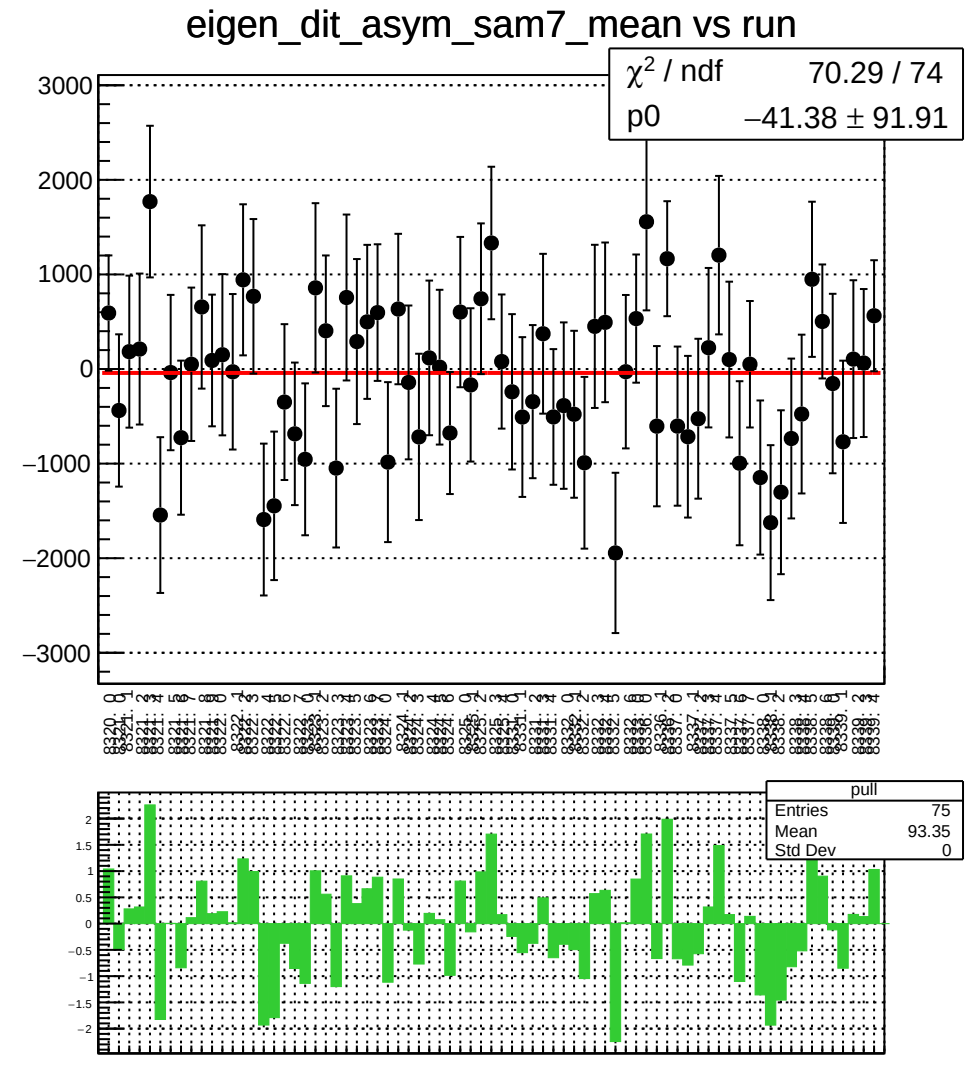

pull1D
Entries 75
Mean −0.02617
Std Dev 0.9677

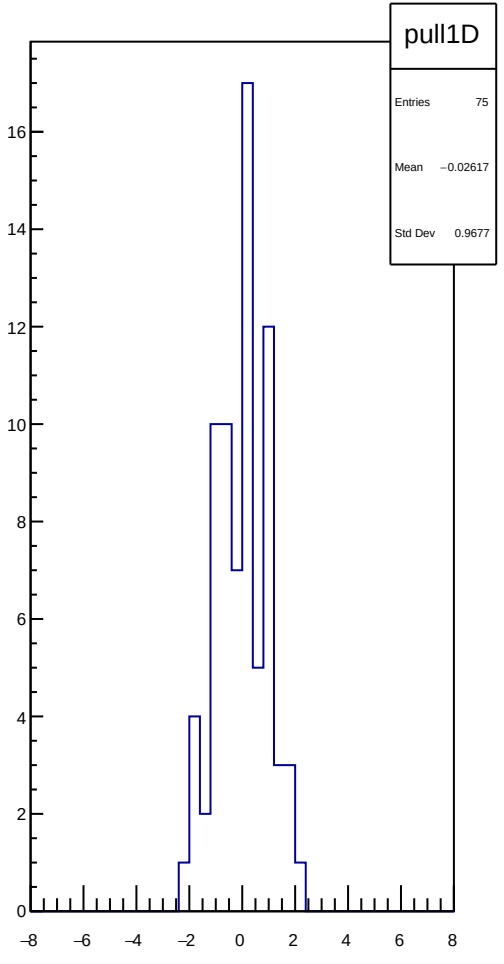

dit_asym_sam7_rms vs run
χ^2 / ndf 2110 / 74
p0 79.01 ± 0.06499
92
90
88
86
84
82
80
78
76
74
72

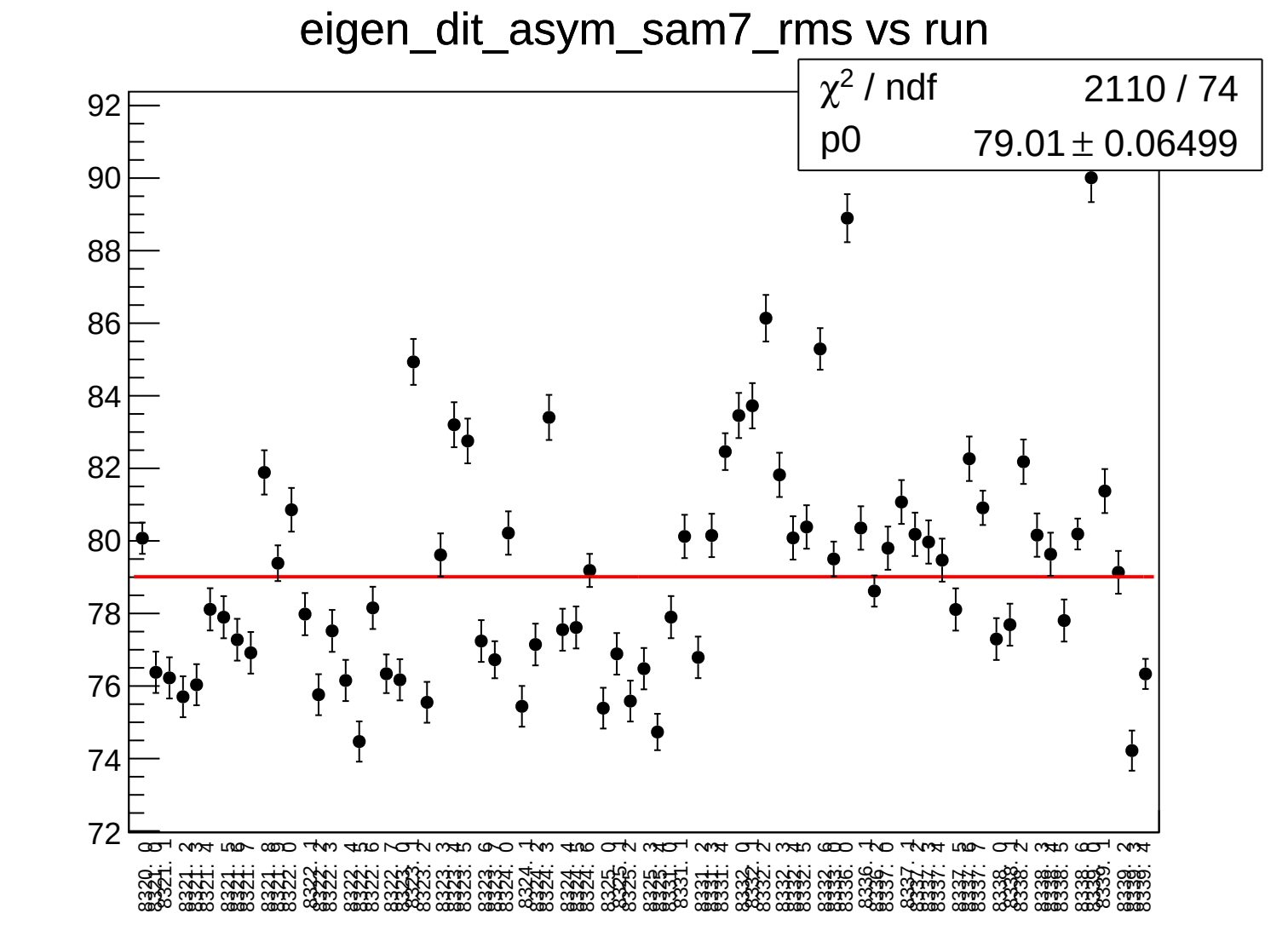

asym_sam7_dit_correction_mean vs run
χ² / ndf 82.37 / 74
p0 −1897 ± 876.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean −68.78
Std Dev 0
2
1
0
−1
−2

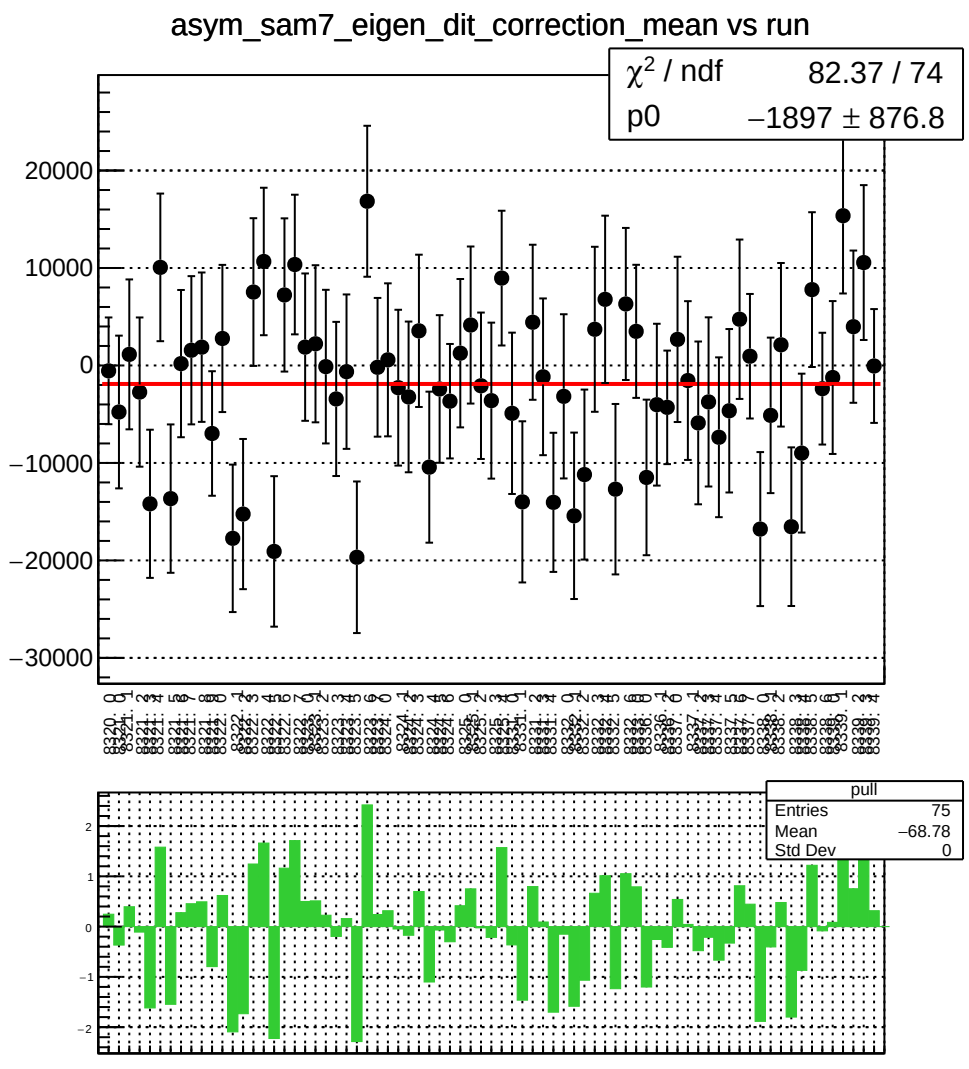

pull1D
Entries 75
Mean −0.007831
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

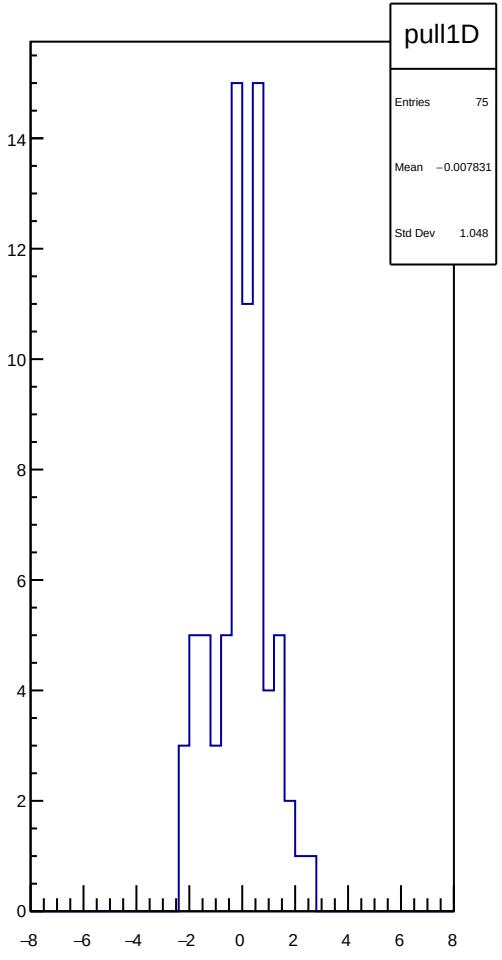

asym_sam7_dit_correction_rms vs run
χ² / ndf 2525 / 74
p0 753.7 ± 0.62
840
820
800
780
760
740
720
700

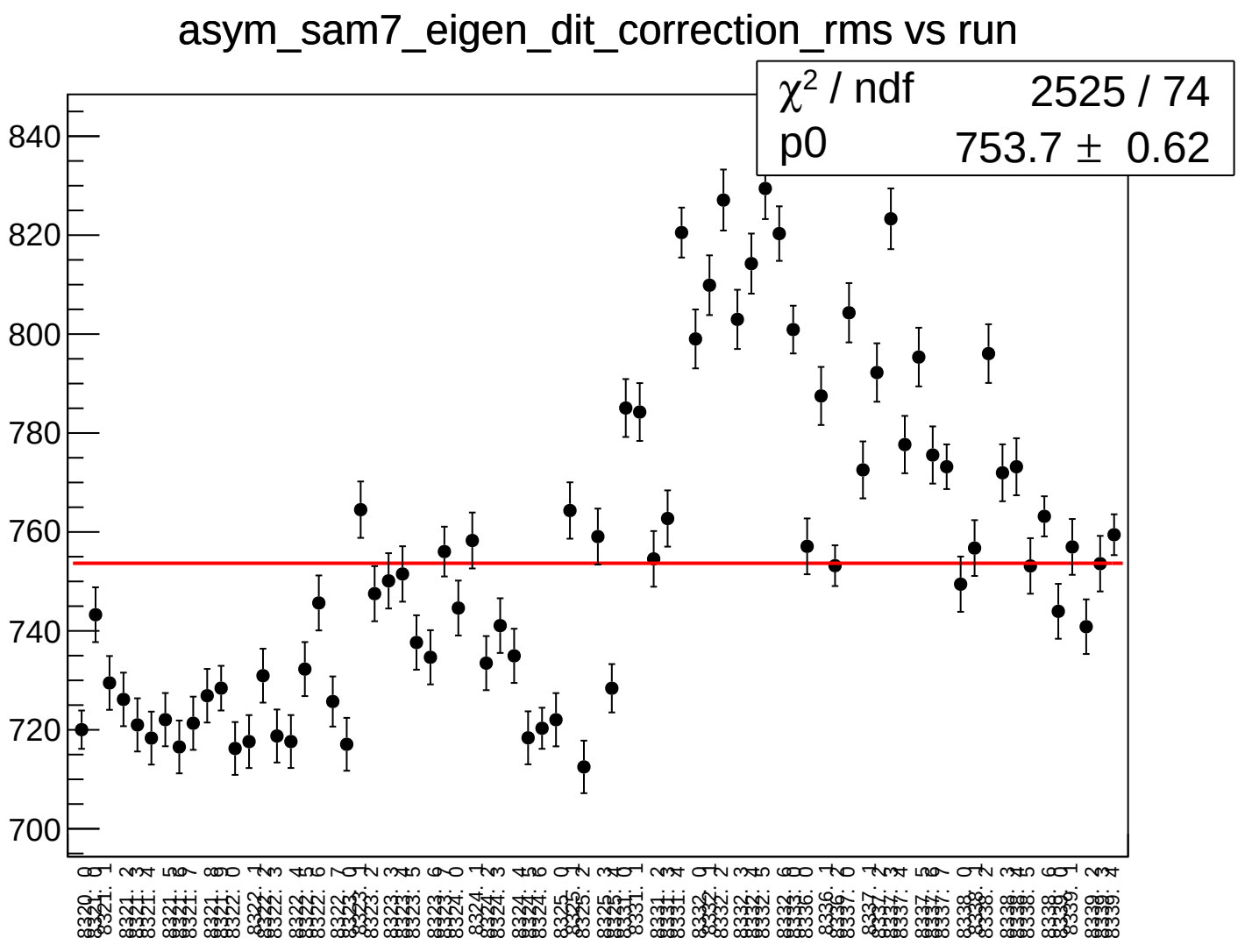

eigen_dit_asym_sam7_mean vs run
χ² / ndf 70.29 / 74
p0 −41.38 ± 91.91
pull
Entries 75
Mean 93.35
Std Dev 0

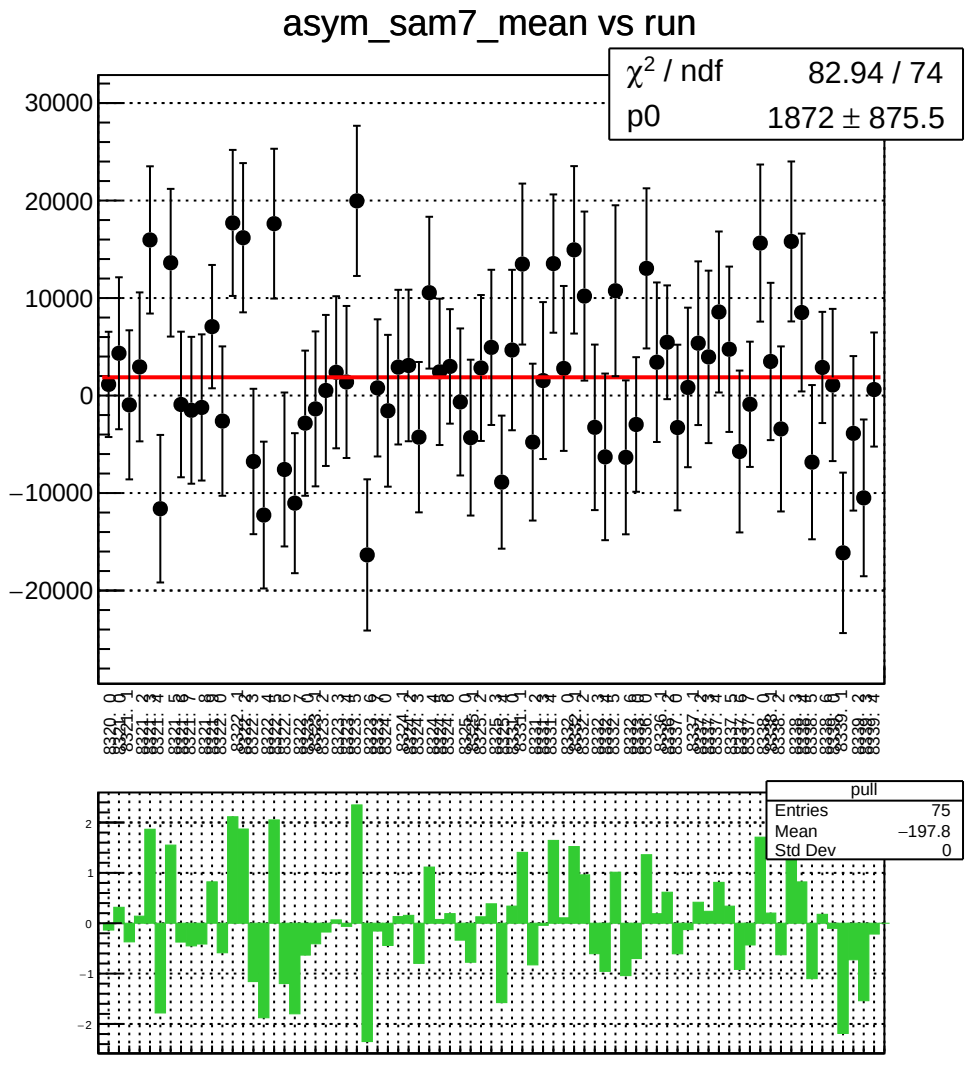

pull1D
Entries 75
Mean −0.02617
Std Dev 0.9677

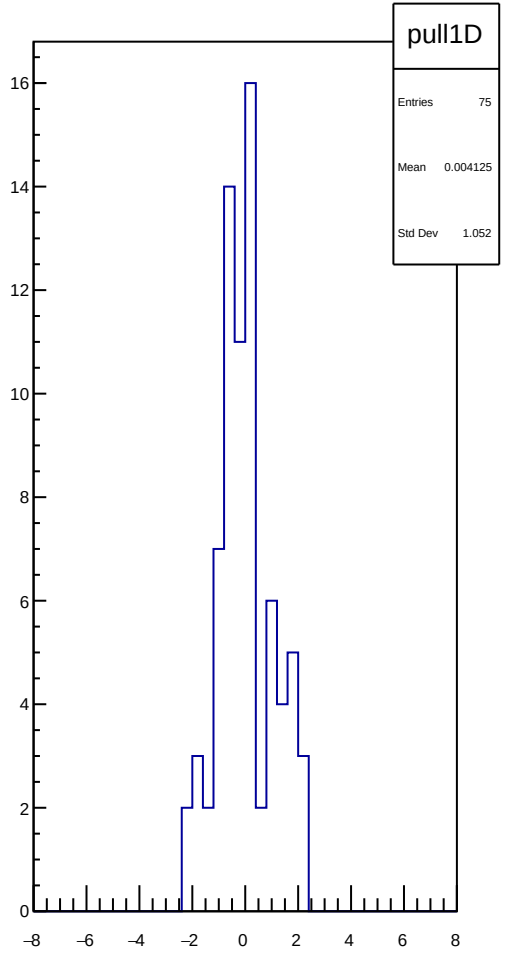

eigen_dit_asym_sam7_rms vs run
χ² / ndf 2110 / 74
p0 79.01 ± 0.06499
92
90
88
86
84
82
80
78
76
74
72

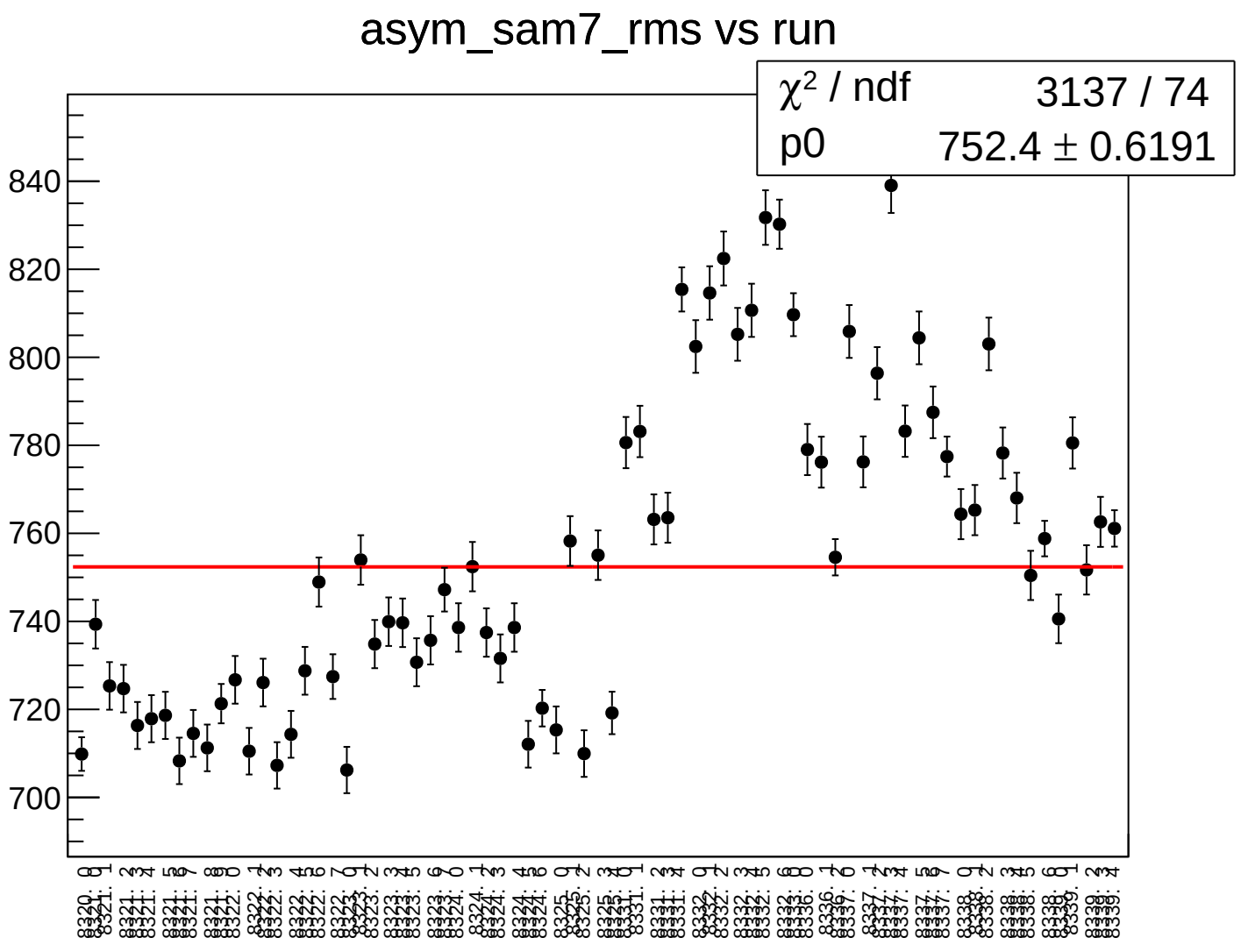

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 82.37 / 74
p0 −1897 ± 876.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean −68.78
Std Dev 0
2
1
0
−1
−2

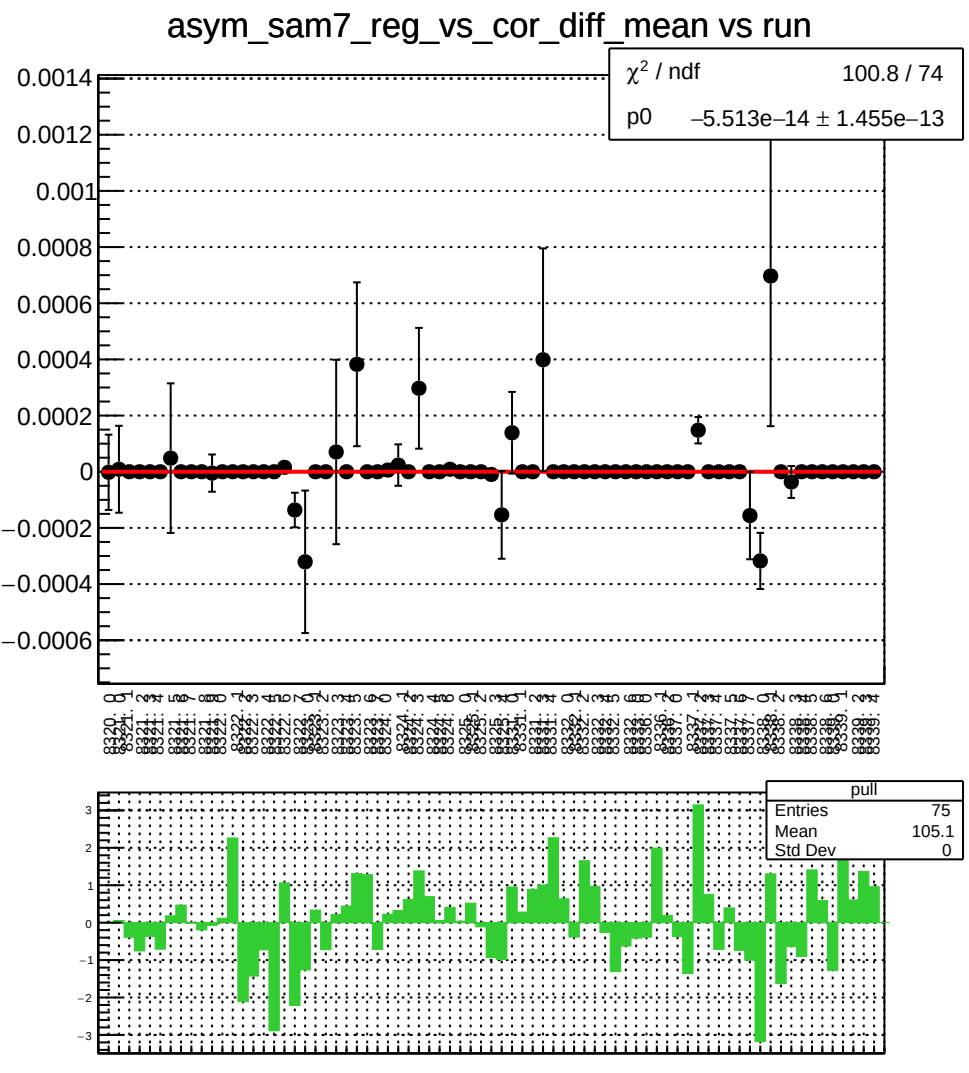

pull1D
Entries 75
Mean −0.007831
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

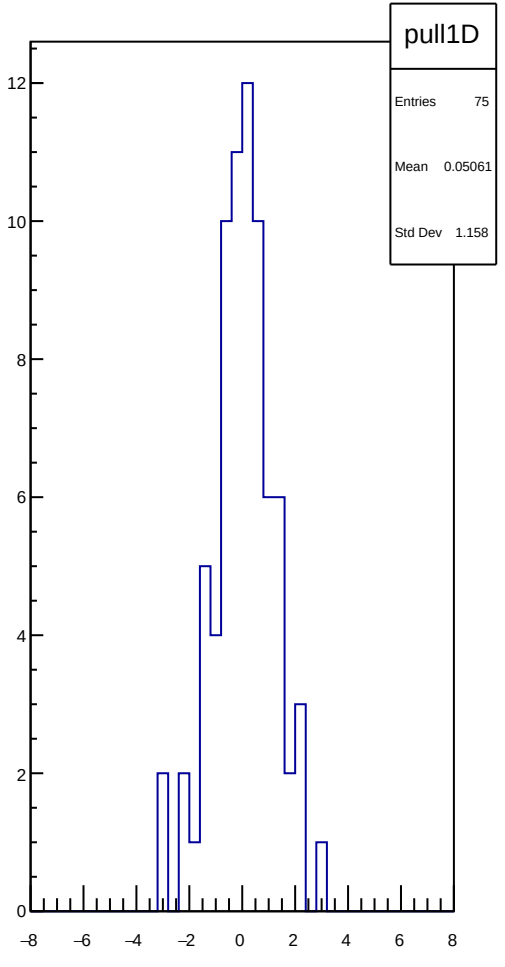

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 2525 / 74
p0 753.7 ± 0.62
840
820
800
780
760
740
720
700

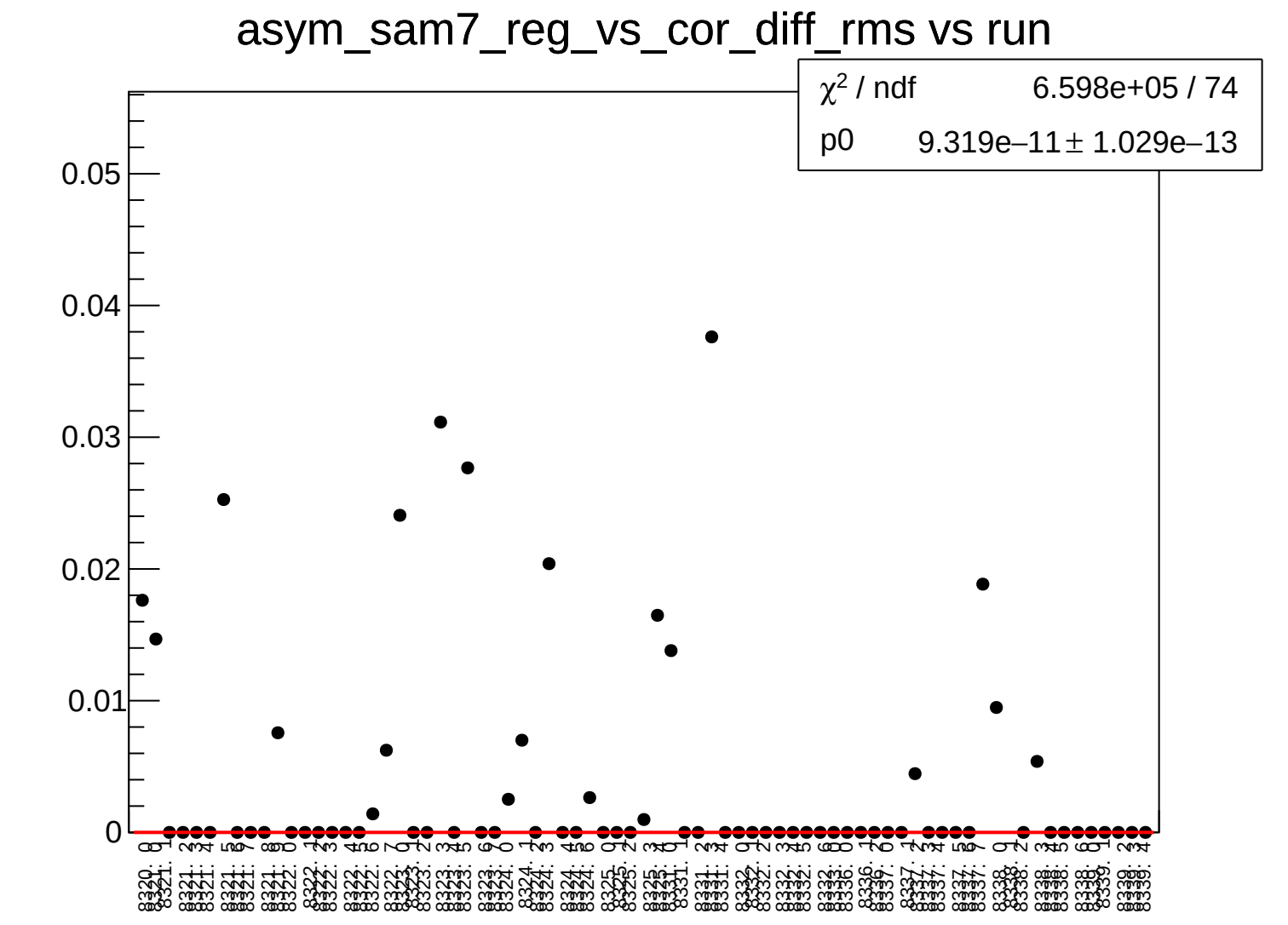

asym_sam7_mean vs run
χ² / ndf 82.94 / 74
p0 1872 ± 875.5
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −197.8
Std Dev 0
2
1
0
−1
−2

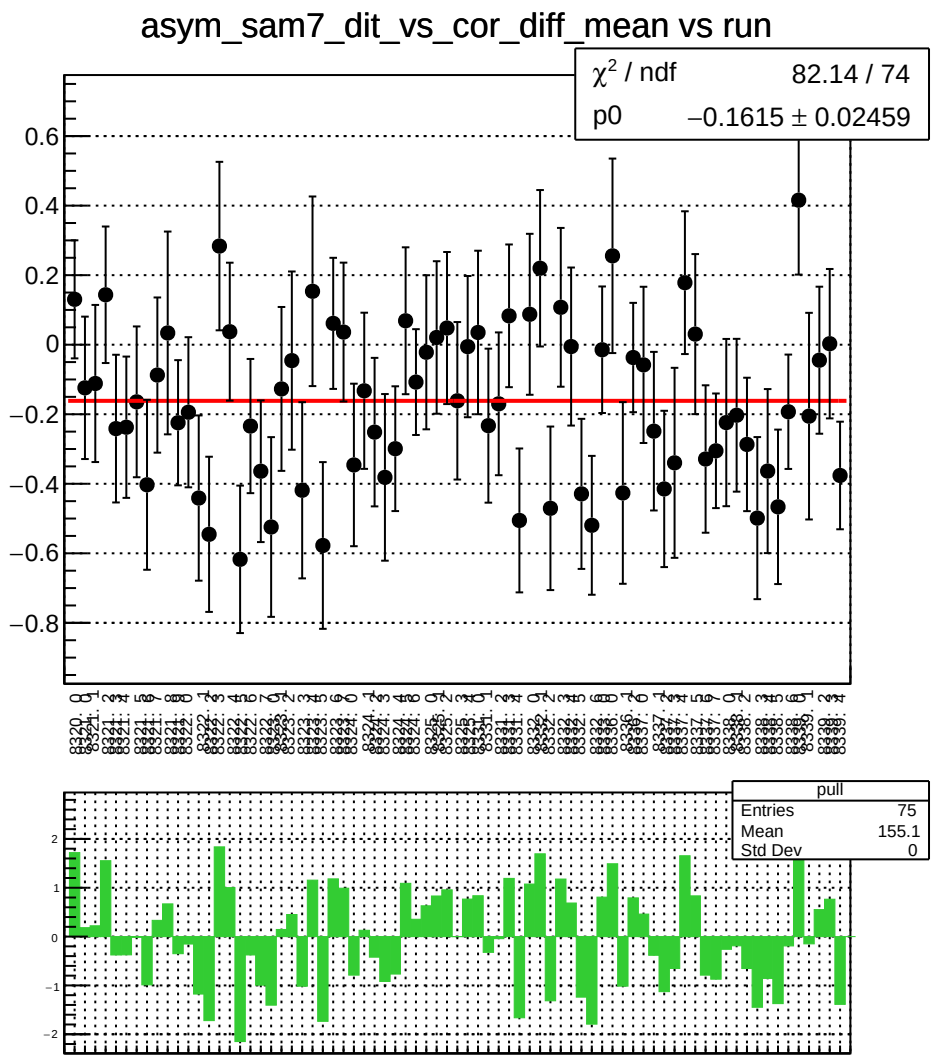

pull1D
Entries 75
Mean 0.004125
Std Dev 1.052
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

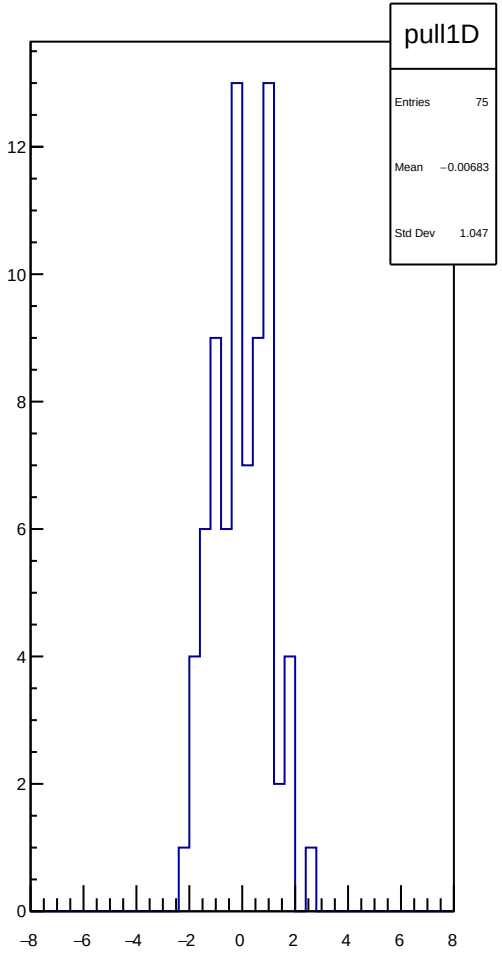

asym_sam7_rms vs run
χ² / ndf 3137 / 74
p0 752.4 ± 0.6191
840
820
800
780
760
740
720
700

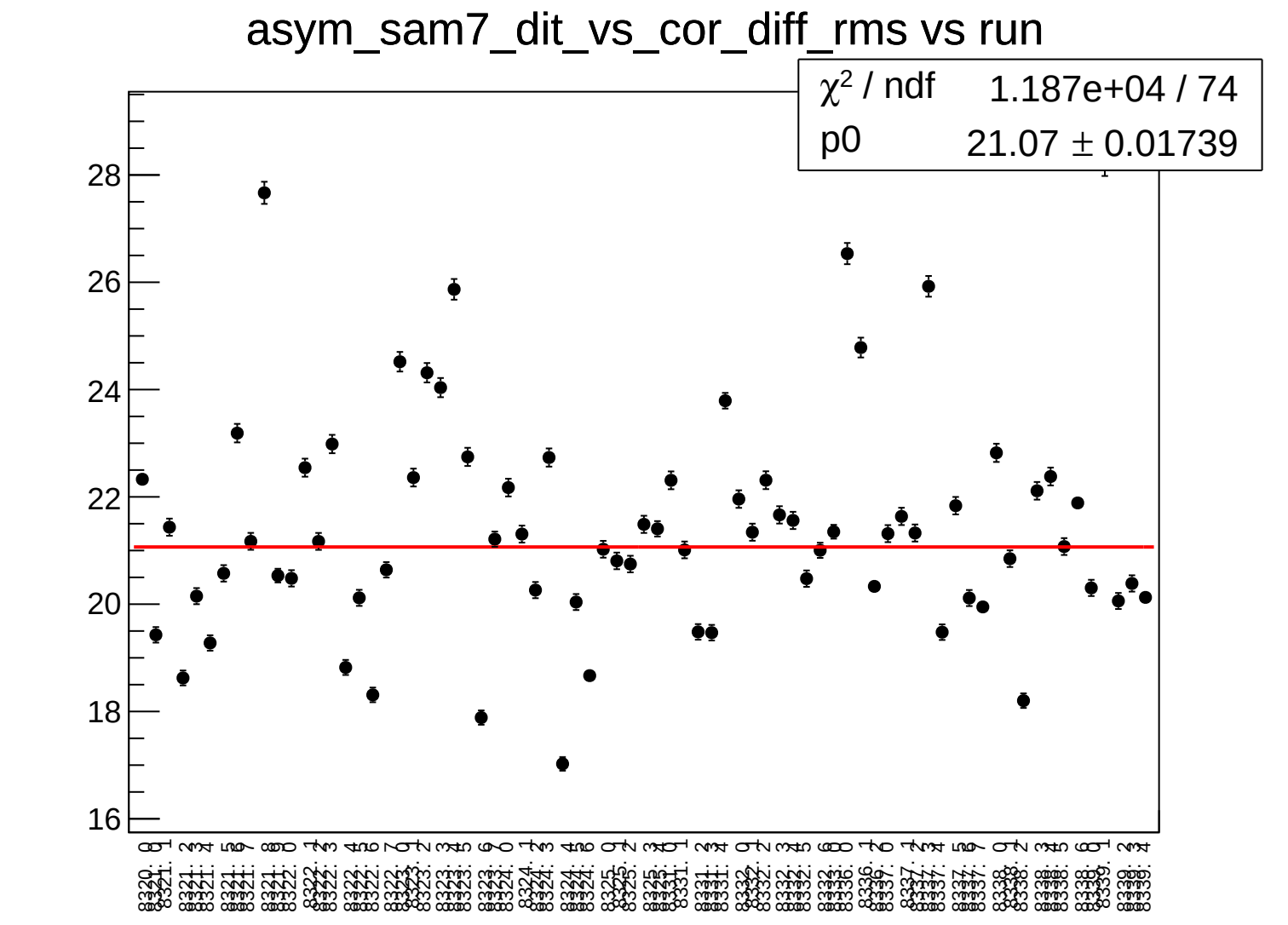

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 100.8 / 74
p0 −5.513e−14 ± 1.455e−13
pull
Entries 75
Mean 105.1
Std Dev 0

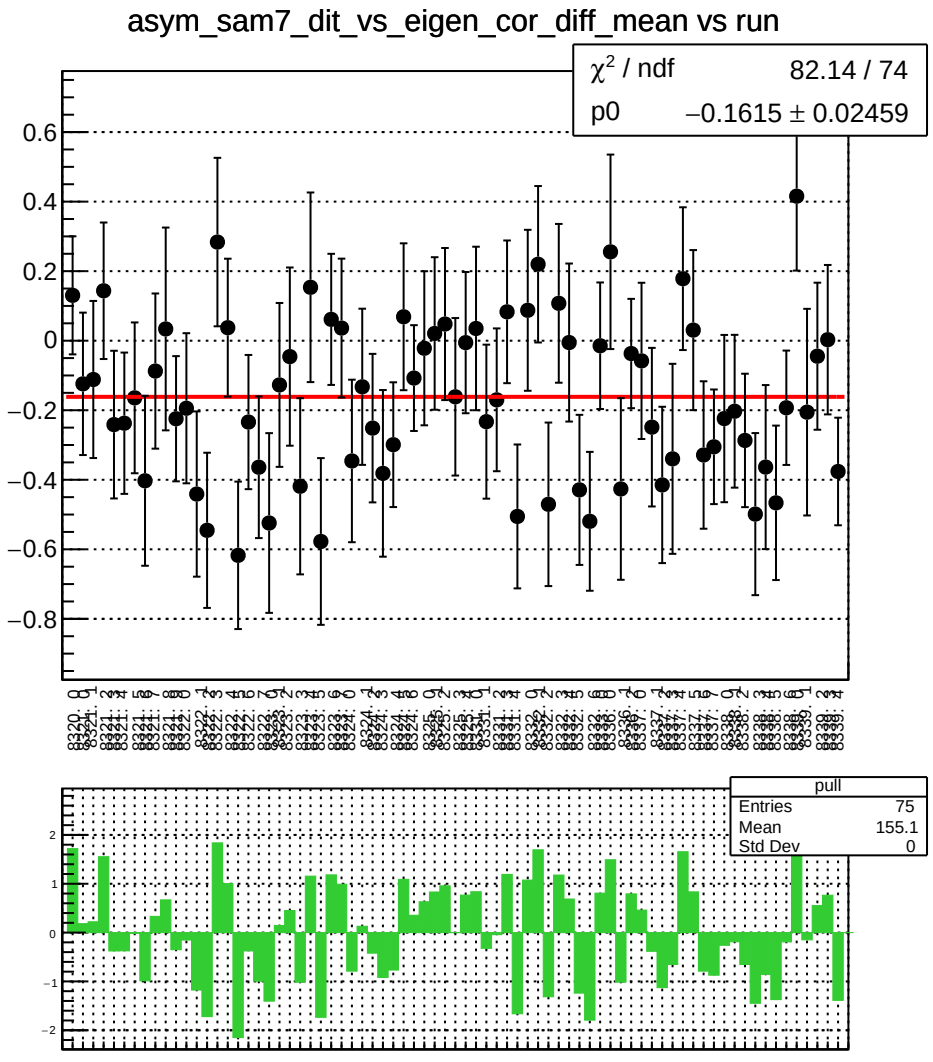

pull1D
Entries 75
Mean 0.05061
Std Dev 1.158

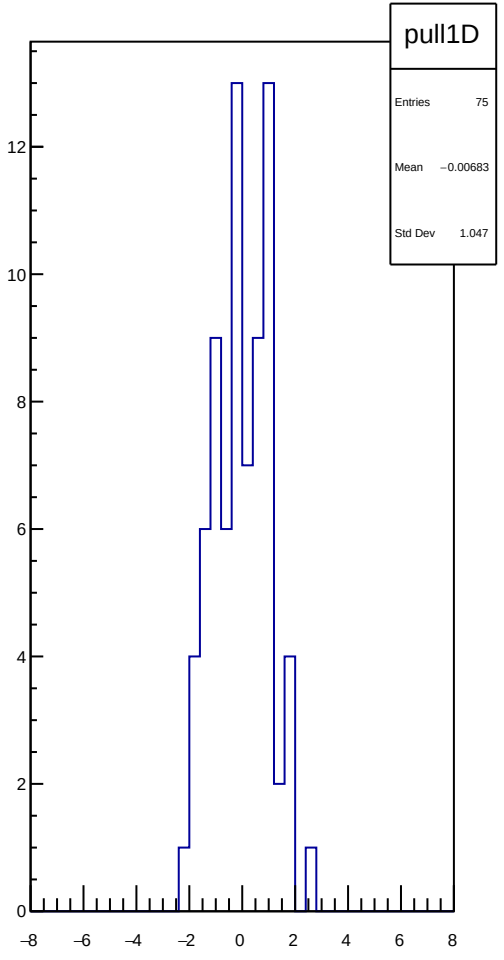

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 6.598e+05 / 74
p0 9.319e−11 ± 1.029e−13
0.05
0.04
0.03
0.02
0.01
0

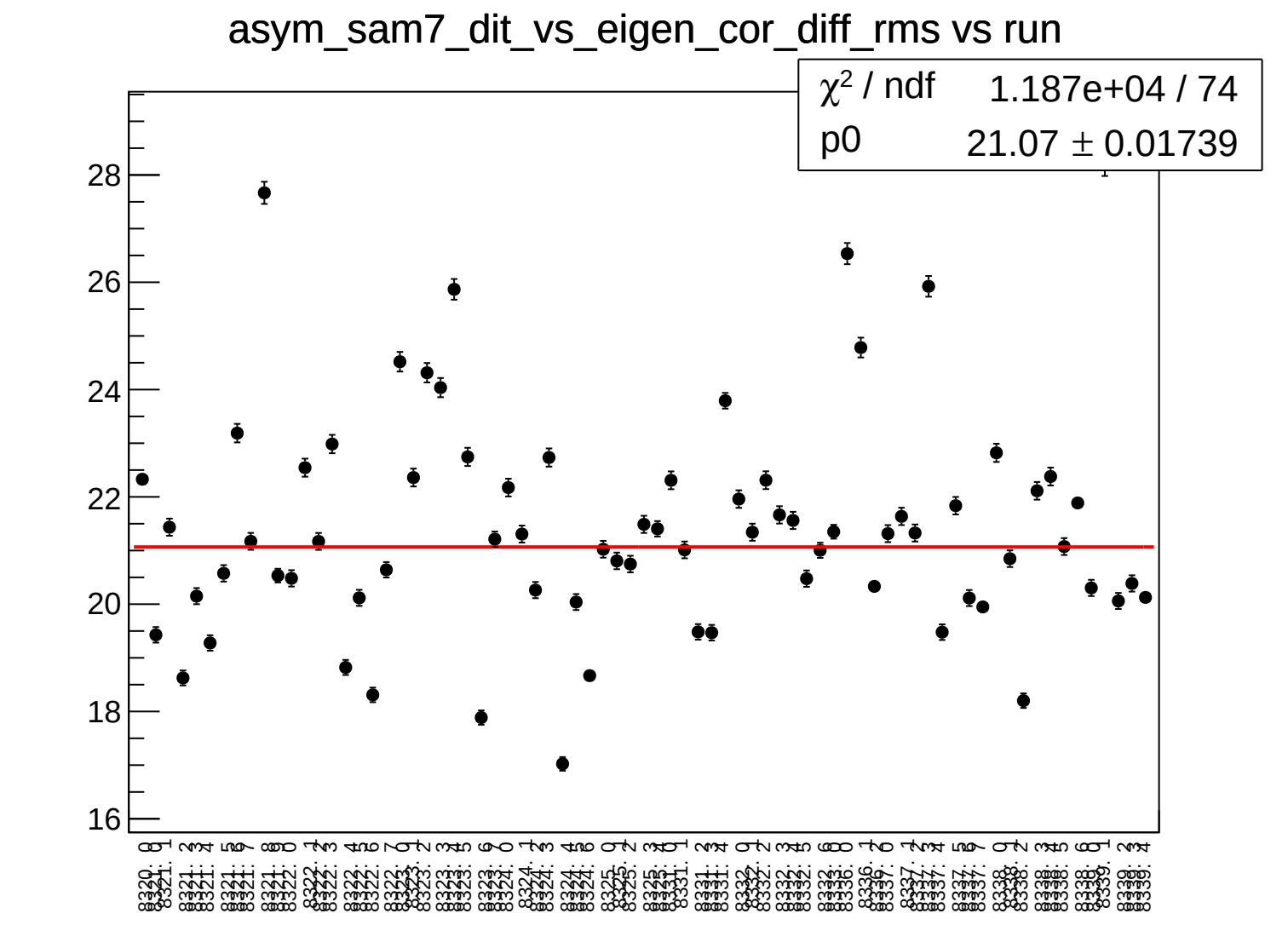

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 82.14 / 74
p0 −0.1615 ± 0.02459
pull
Entries 75
Mean 155.1
Std Dev 0

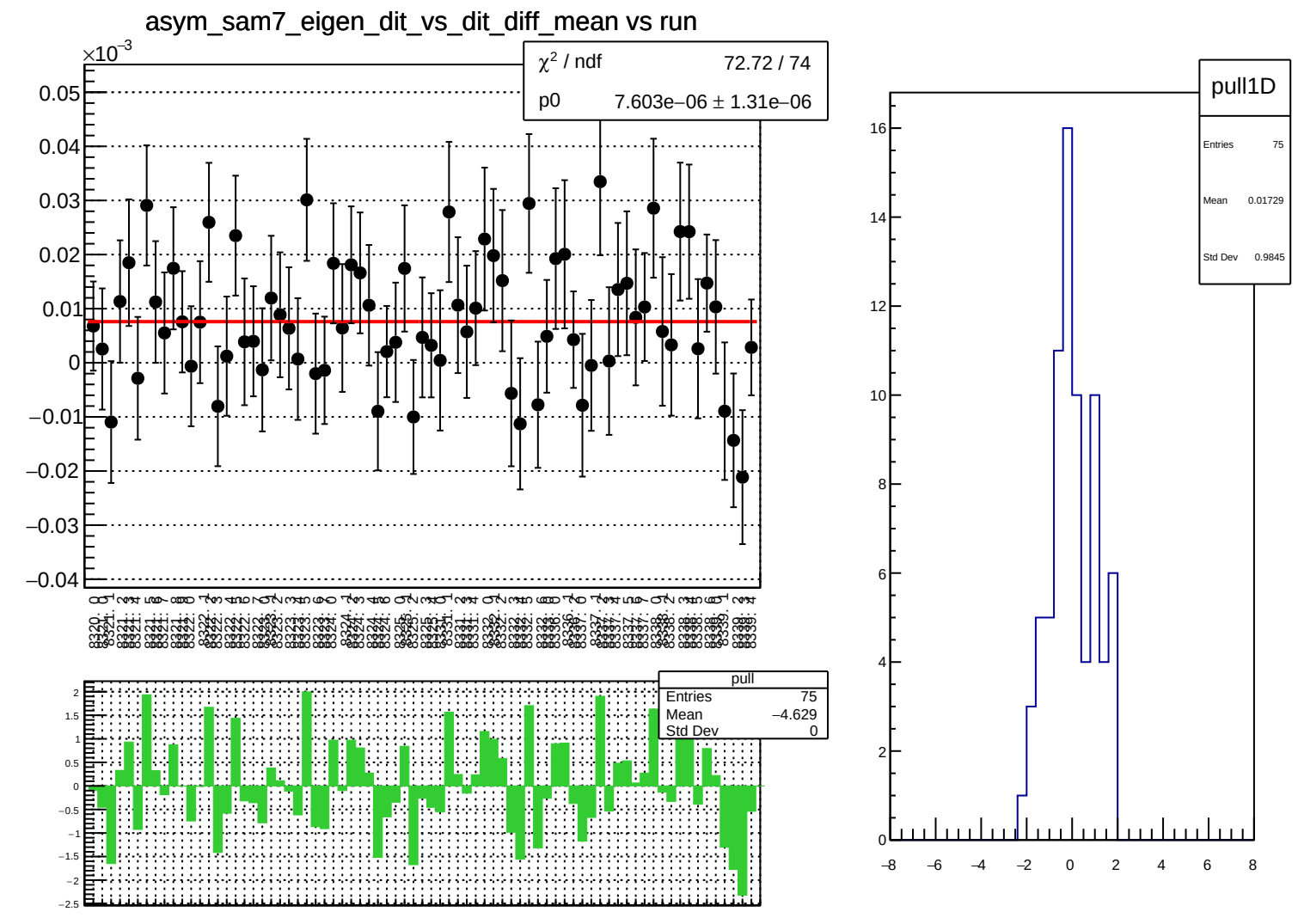

pull1D
Entries 75
Mean −0.00683
Std Dev 1.047

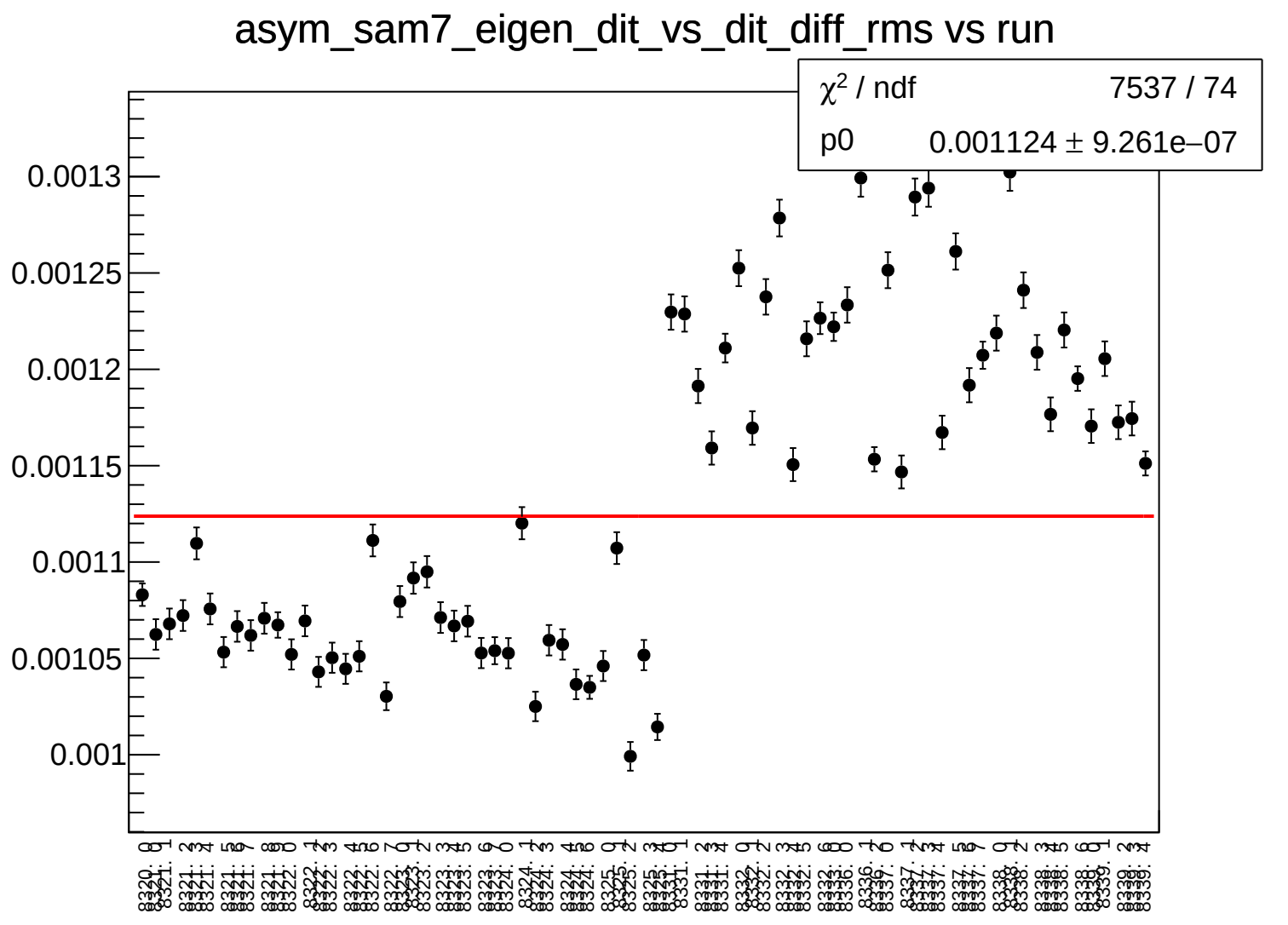

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 1.187e+04 / 74
p0 21.07 ± 0.01739
28
26
24
22
20
18
16

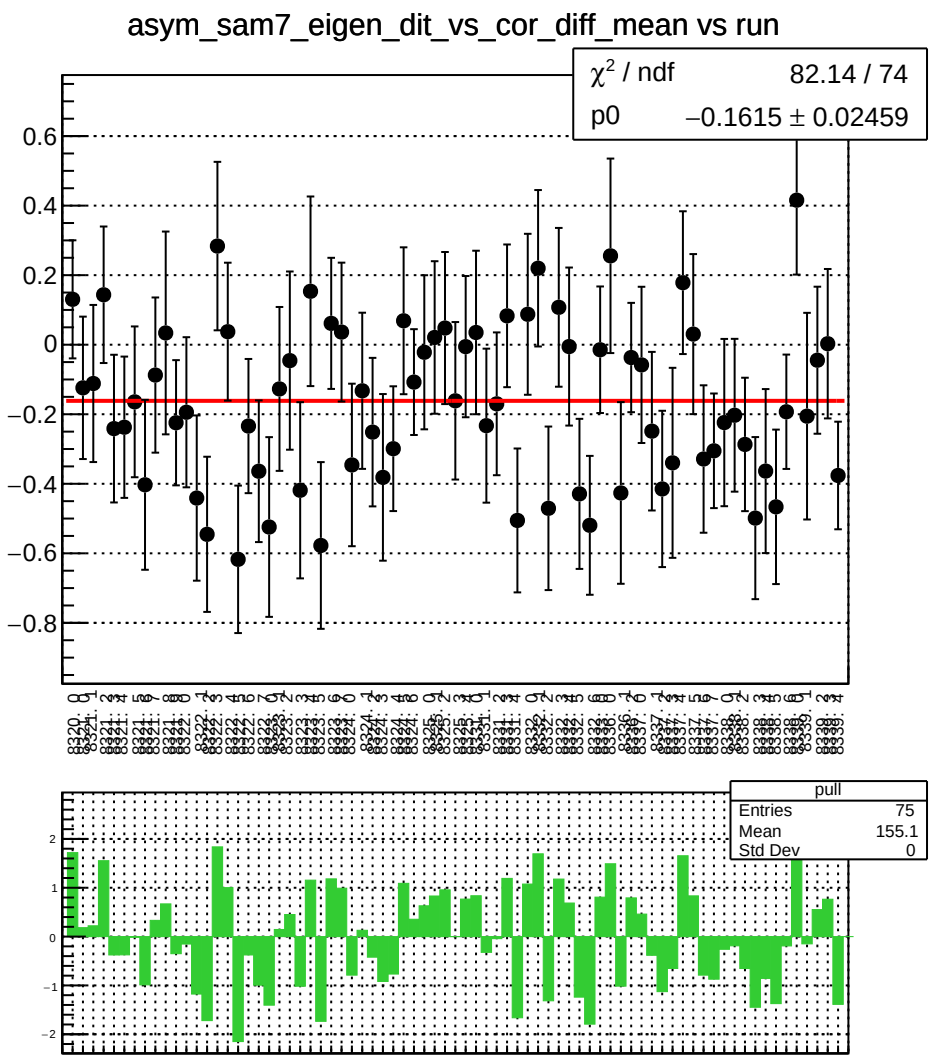

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.14 / 74
p0 −0.1615 ± 0.02459
pull
Entries 75
Mean 155.1
Std Dev 0

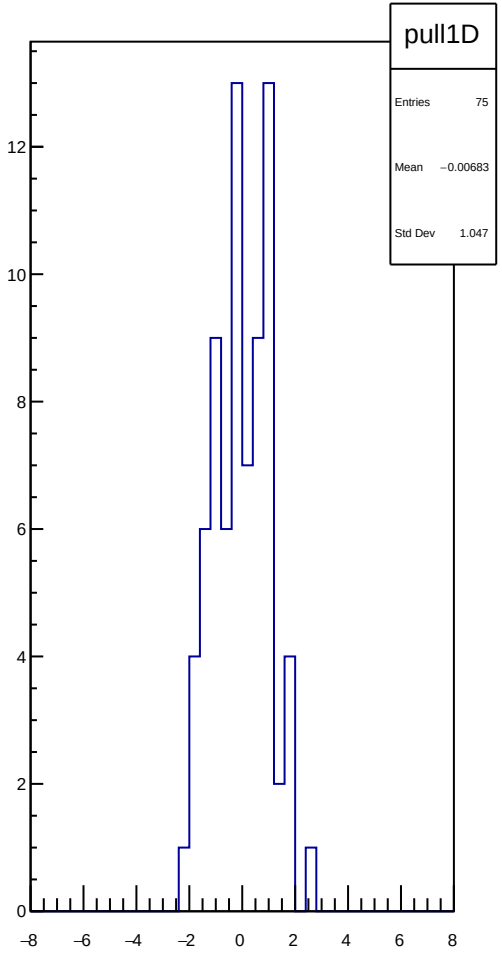

pull1D
Entries 75
Mean −0.00683
Std Dev 1.047

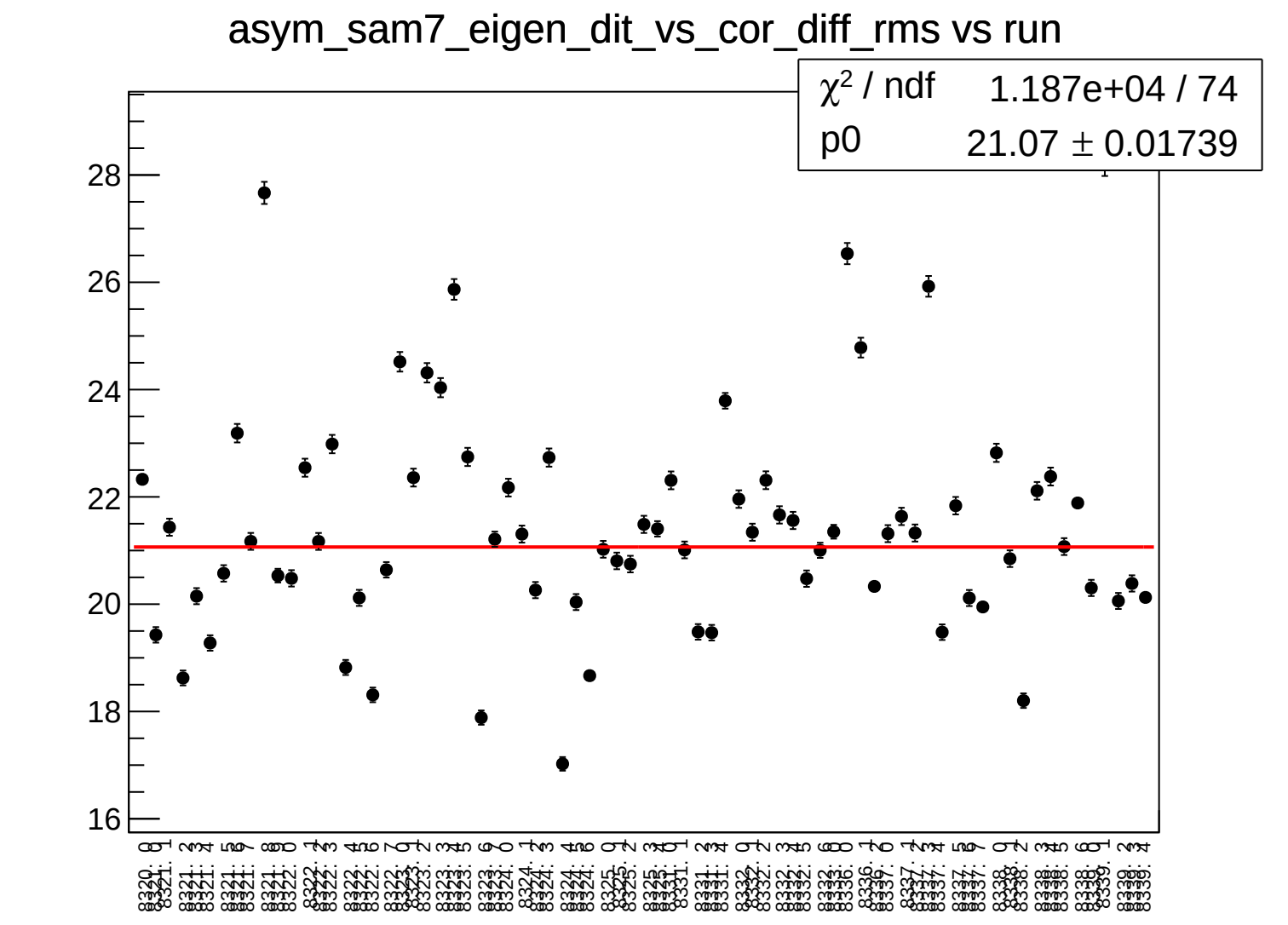

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.187e+04 / 74
p0 21.07 ± 0.01739
28
26
24
22
20
18
16

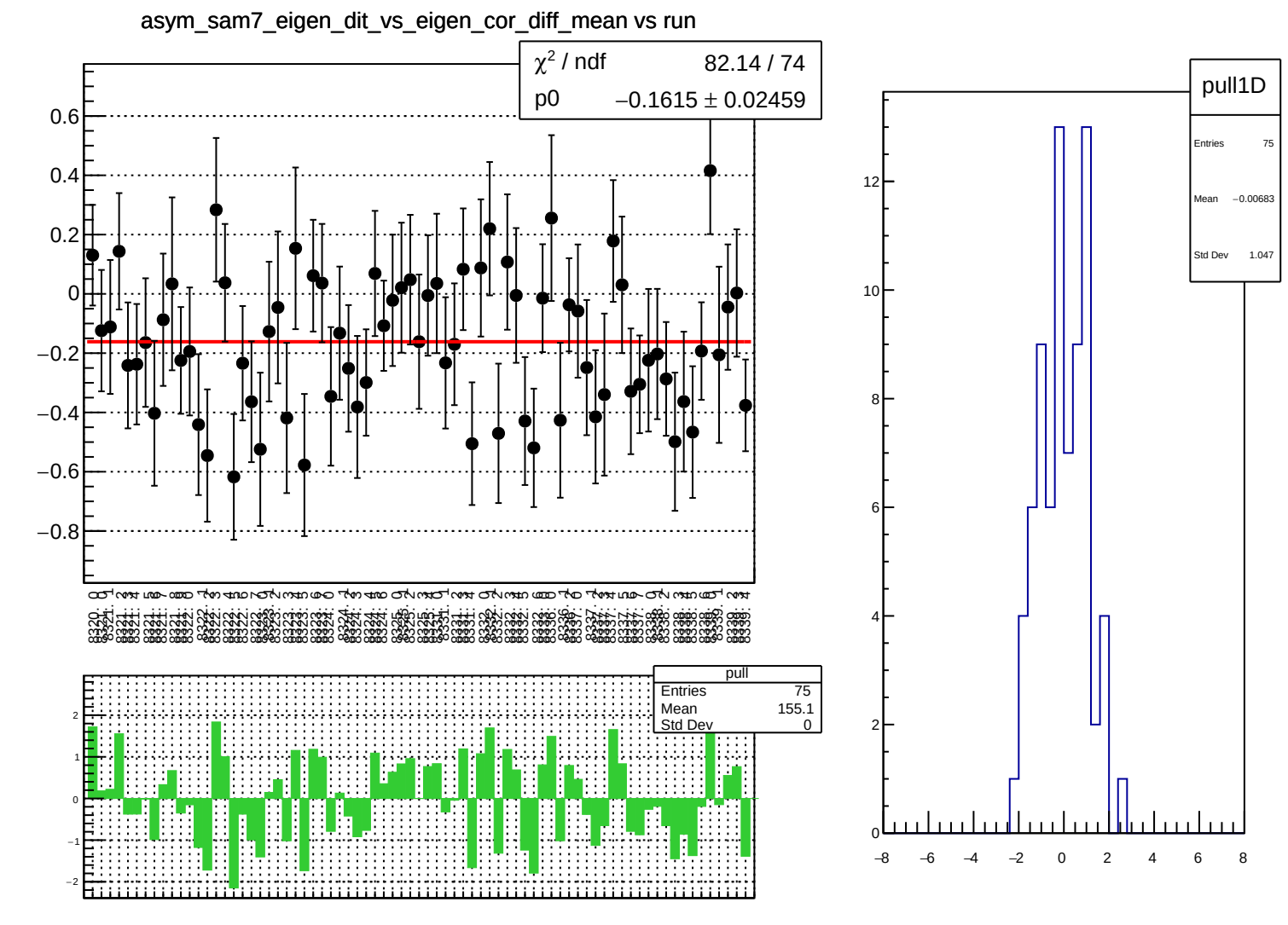

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 72.72 / 74
p0 7.603e−06 ± 1.31e−06
×10⁻³
pull
Entries 75
Mean −4.629
Std Dev 0
pull1D
Entries 75
Mean 0.01729
Std Dev 0.9845

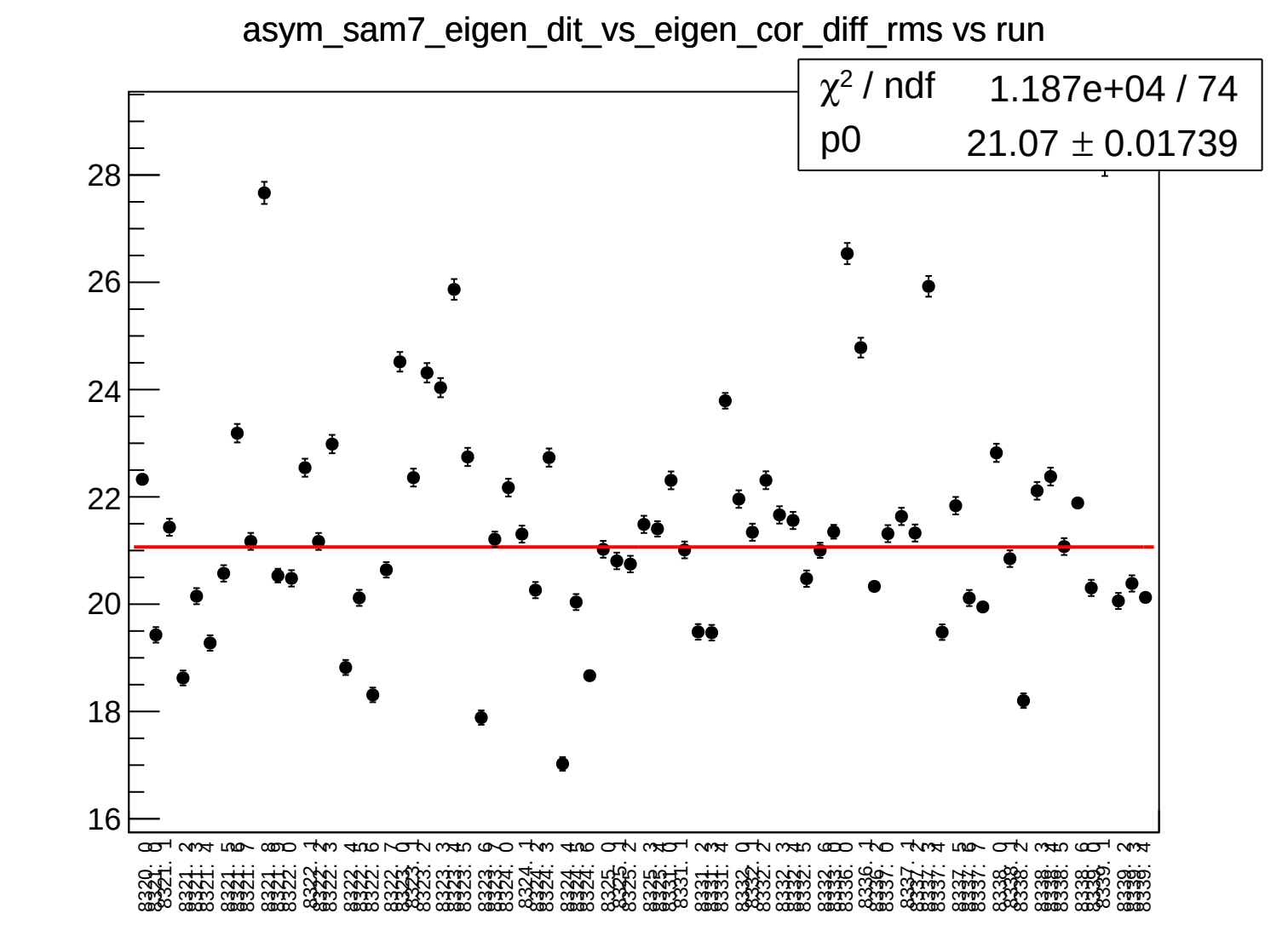

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7537 / 74
p0 0.001124 ± 9.261e−07
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001

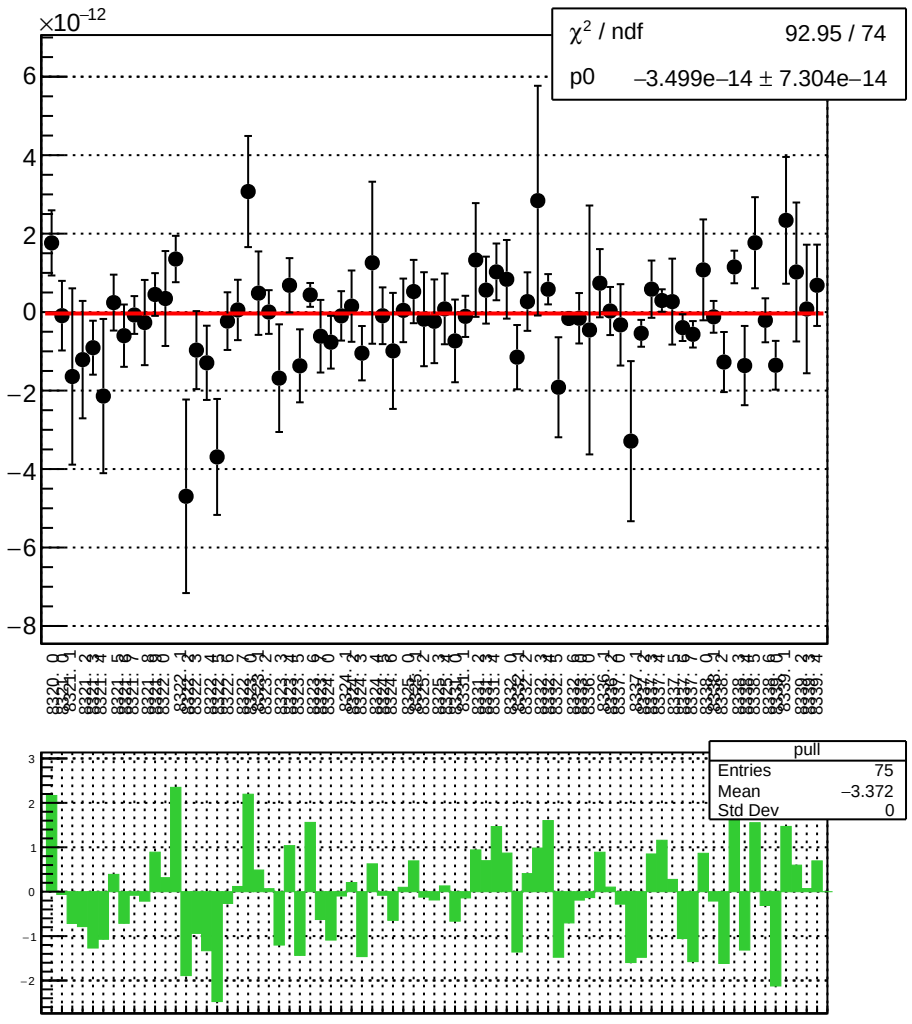

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.14 / 74
p0 −0.1615 ± 0.02459
pull
Entries 75
Mean 155.1
Std Dev 0

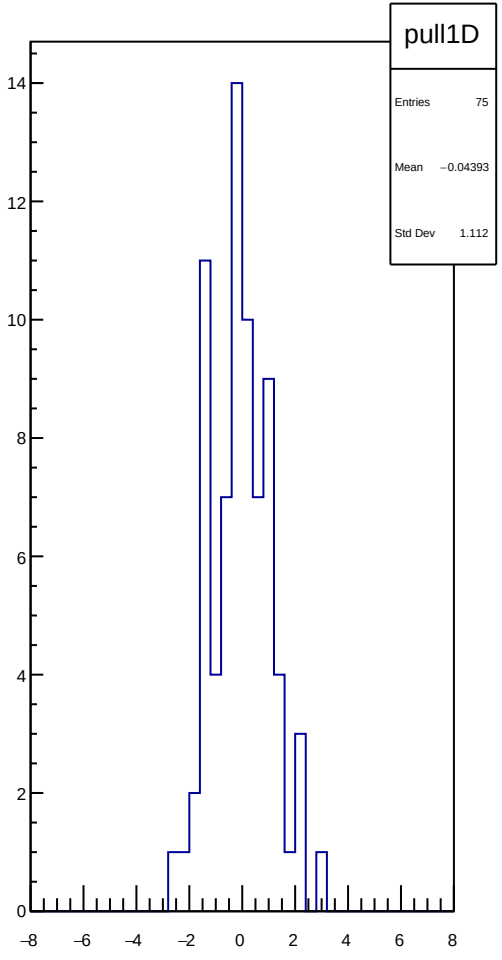

pull1D
Entries 75
Mean −0.00683
Std Dev 1.047

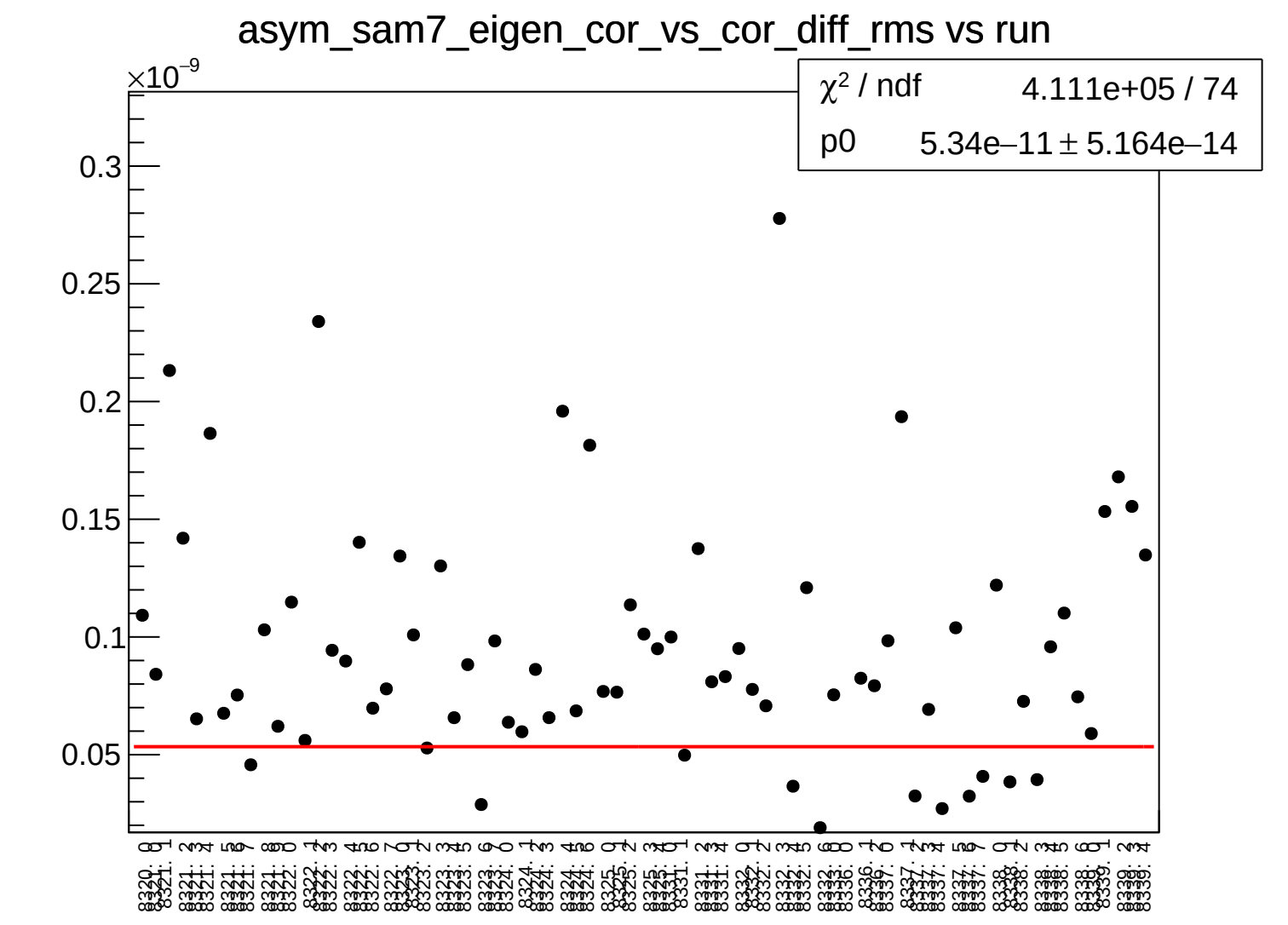

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.187e+04 / 74
p0 21.07 ± 0.01739
28
26
24
22
20
18
16

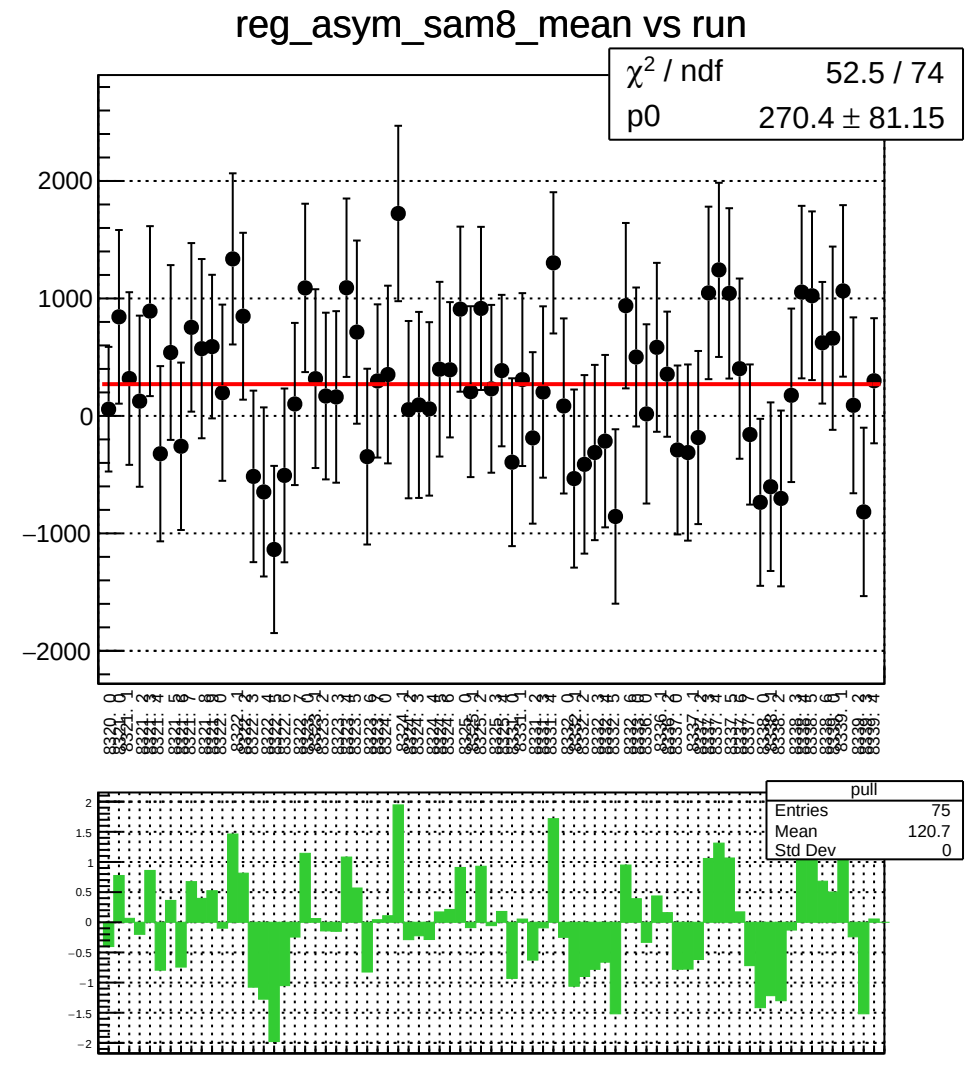

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.14 / 74
p0 −0.1615 ± 0.02459
pull
Entries 75
Mean 155.1
Std Dev 0
pull1D
Entries 75
Mean −0.00683
Std Dev 1.047

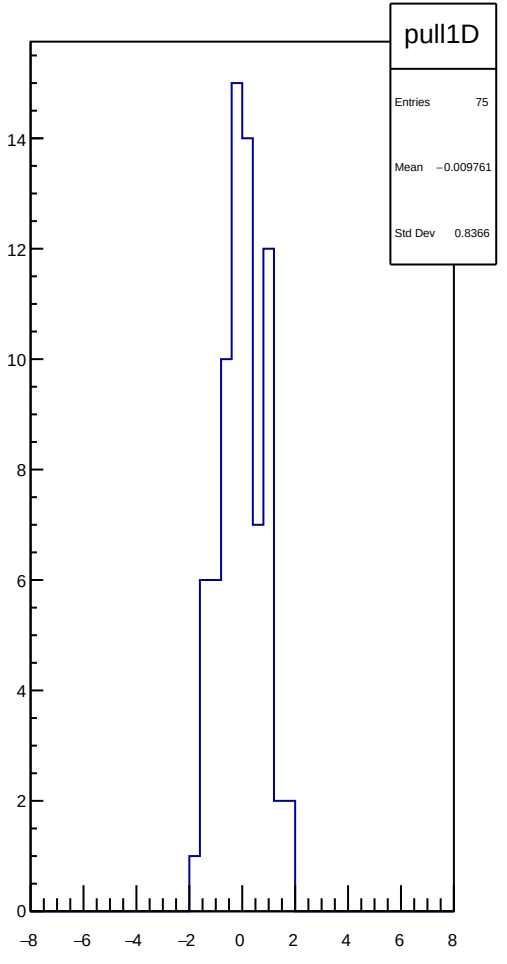

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.187e+04 / 74
p0 21.07 ± 0.01739
28
26
24
22
20
18
16

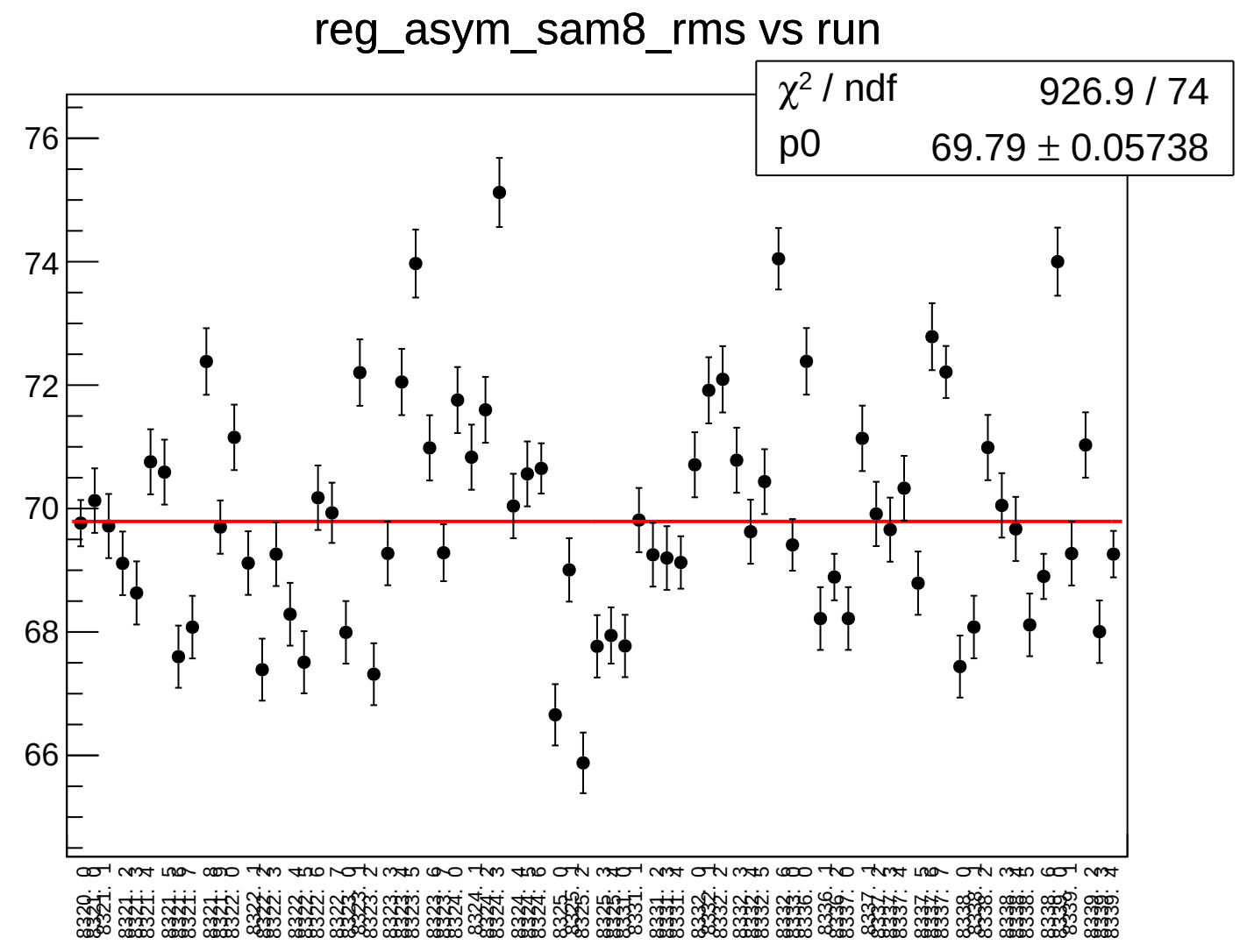

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 92.95 / 74
p0 −3.499e−14 ± 7.304e−14
pull
Entries 75
Mean −3.372
Std Dev 0

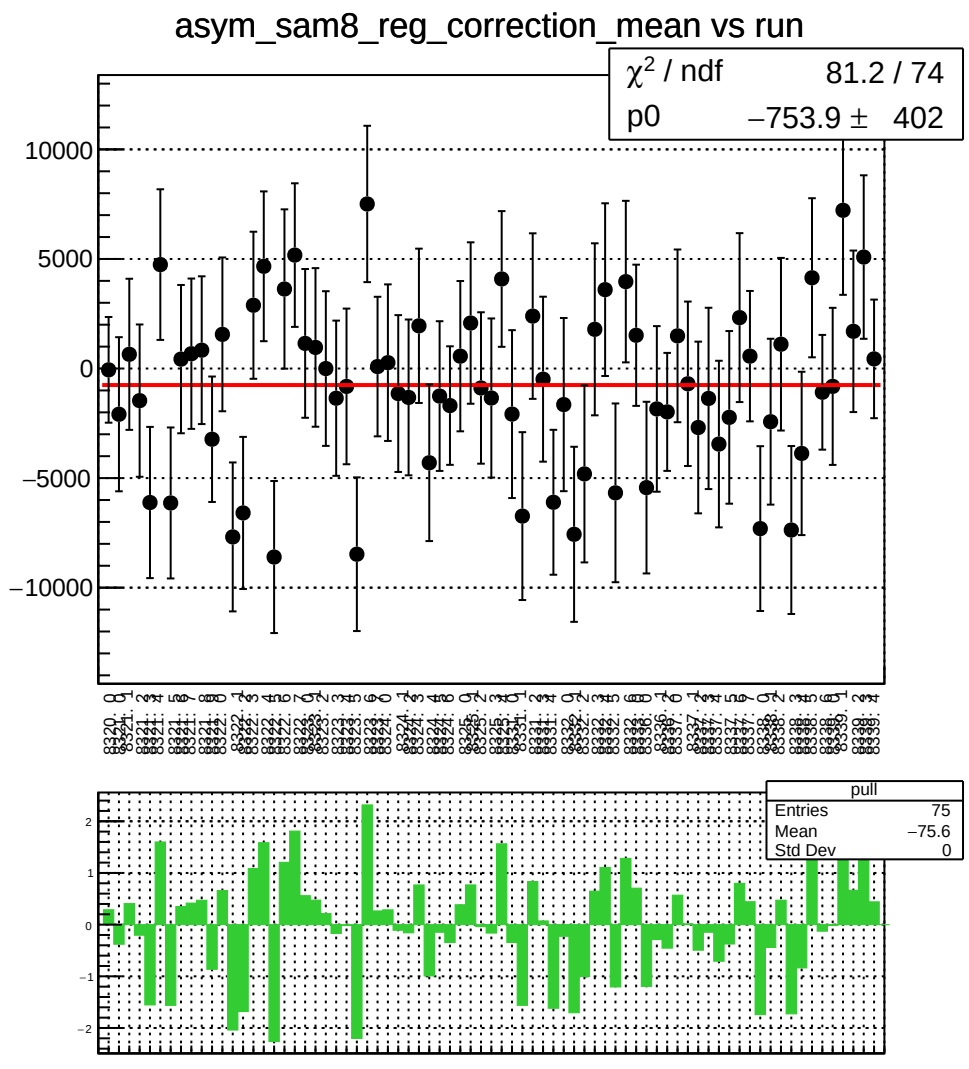

pull1D
Entries 75
Mean −0.04393
Std Dev 1.112

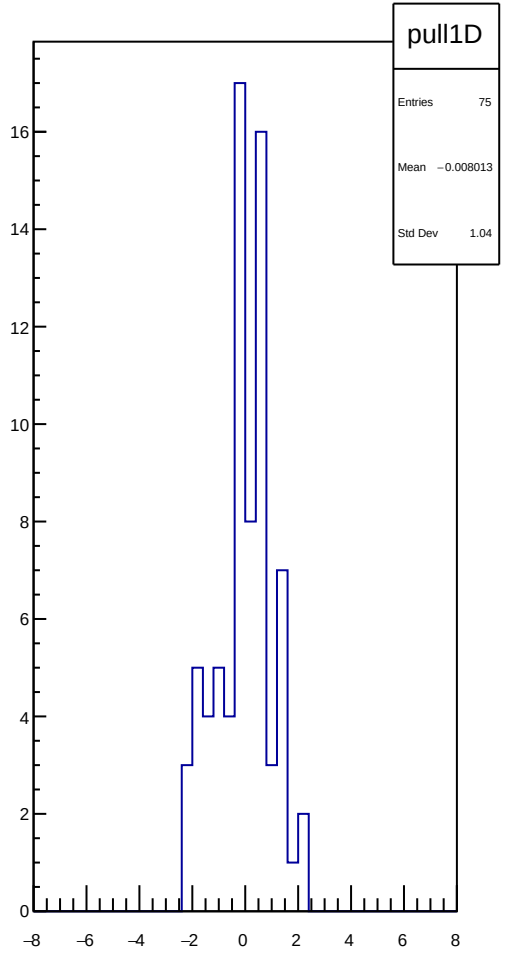

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.111e+05 / 74
p0 5.34e−11 ± 5.164e−14
0.3
0.25
0.2
0.15
0.1
0.05

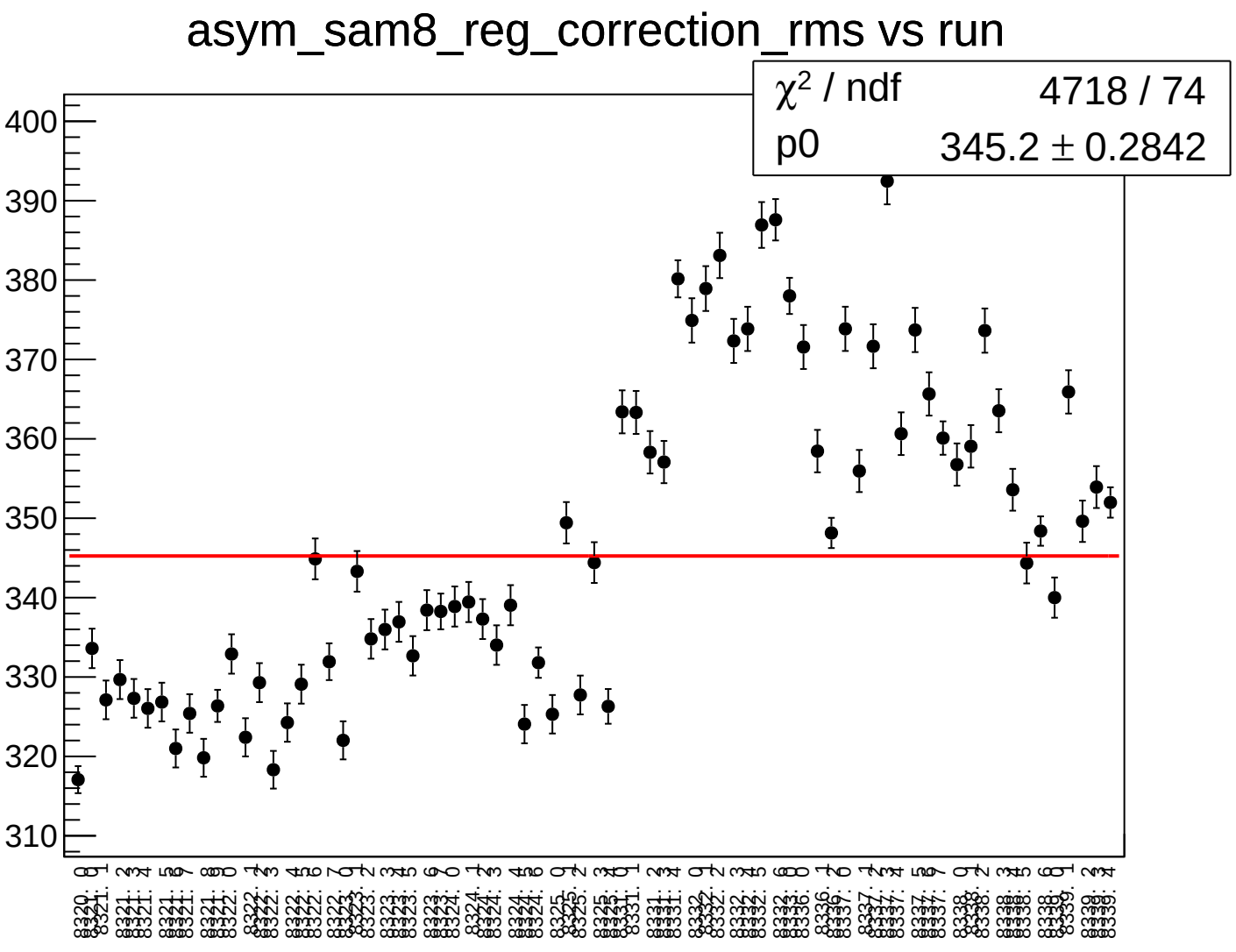

reg_asym_sam8_mean vs run
χ² / ndf 52.5 / 74
p0 270.4 ± 81.15
2000
1000
0
−1000
−2000
pull
Entries 75
Mean 120.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

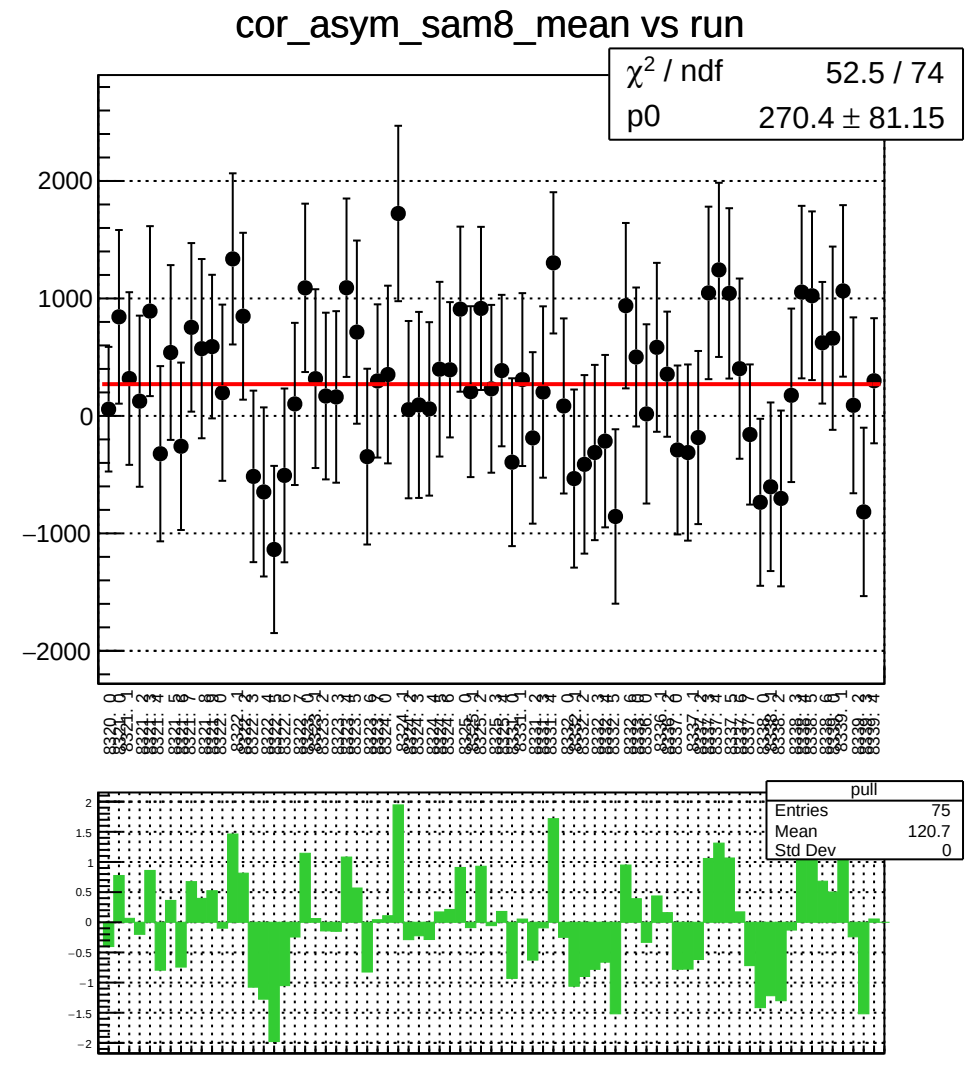

pull1D
Entries 75
Mean −0.009761
Std Dev 0.8366
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

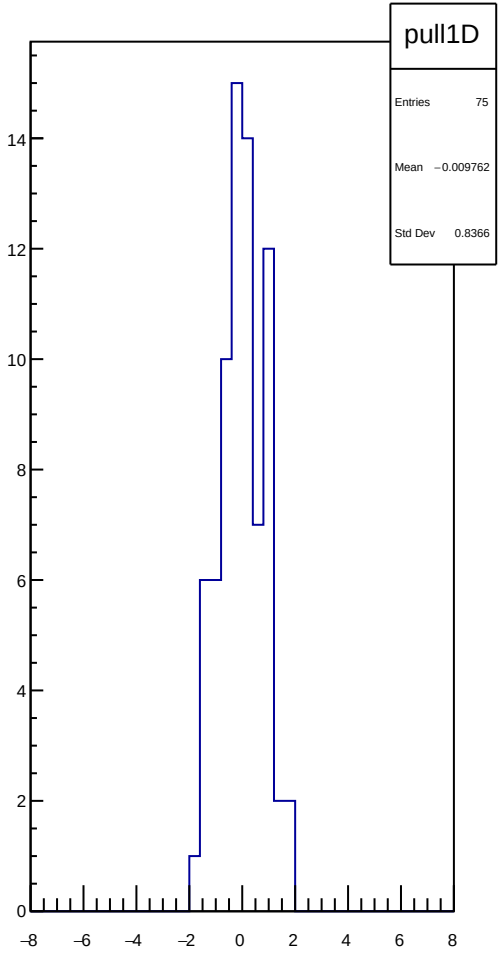

reg_asym_sam8_rms vs run
χ^2 / ndf 926.9 / 74
p0 69.79 ± 0.05738
76
74
72
70
68
66

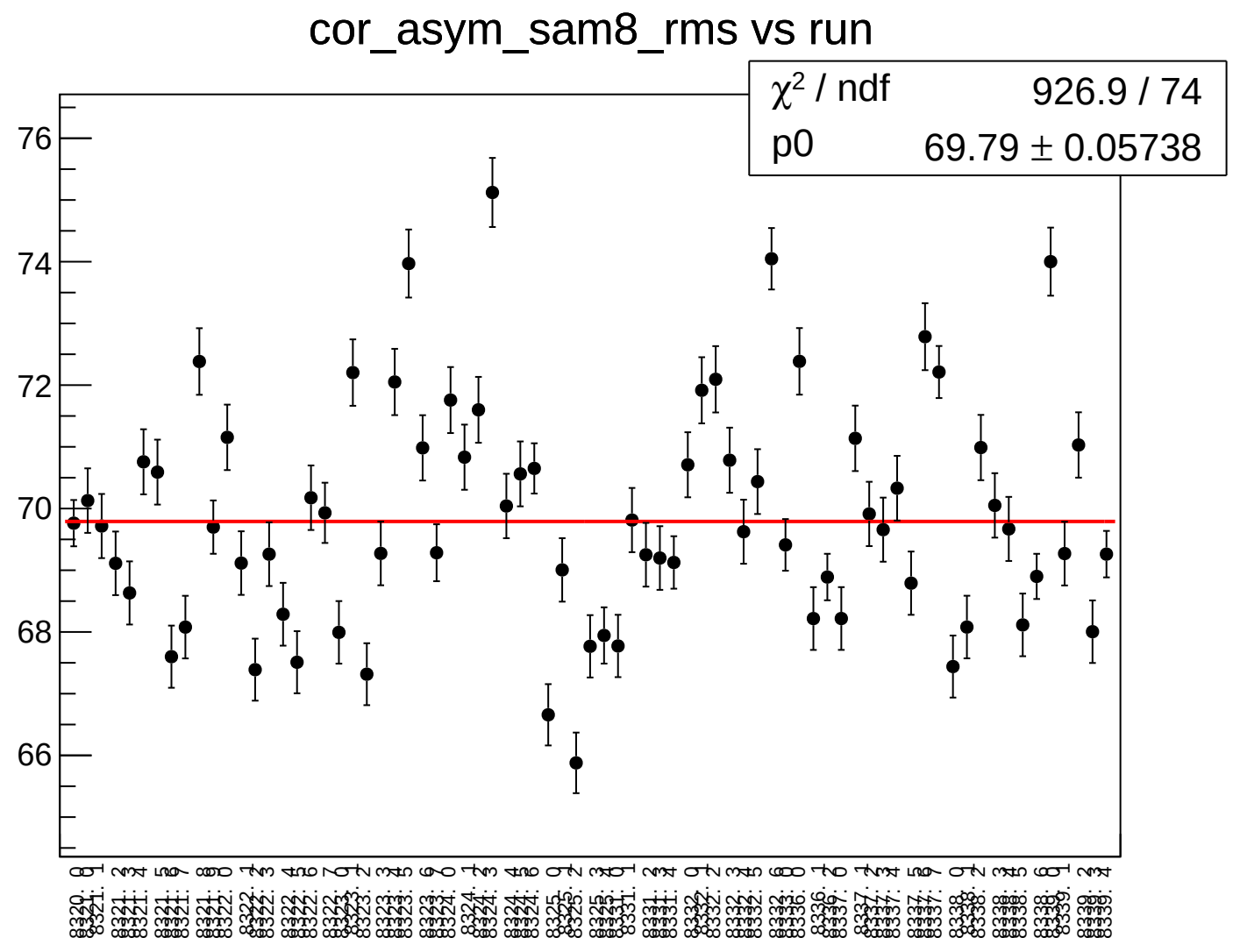

asym_sam8_reg_correction_mean vs run
χ² / ndf 81.2 / 74
p0 −753.9 ± 402
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −75.6
Std Dev 0
2
1
0
−1
−2

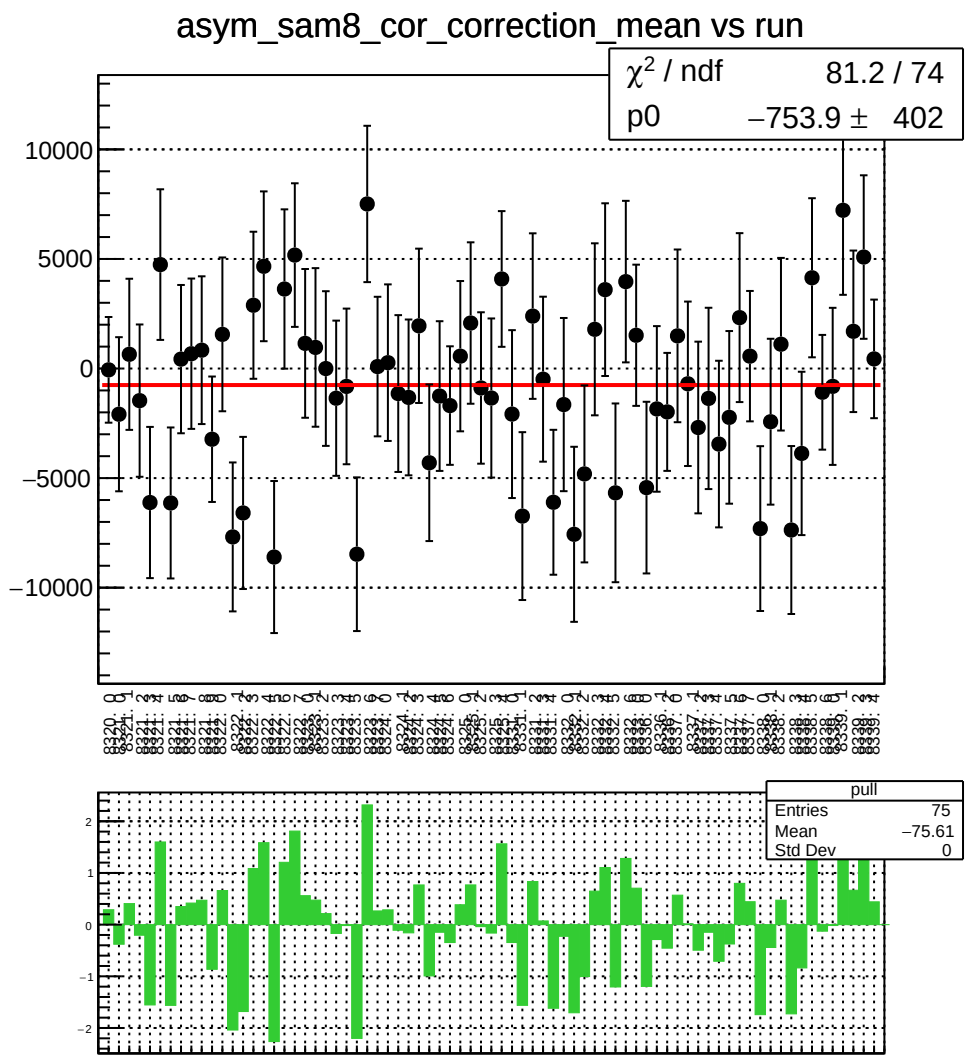

pull1D
Entries 75
Mean −0.008013
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

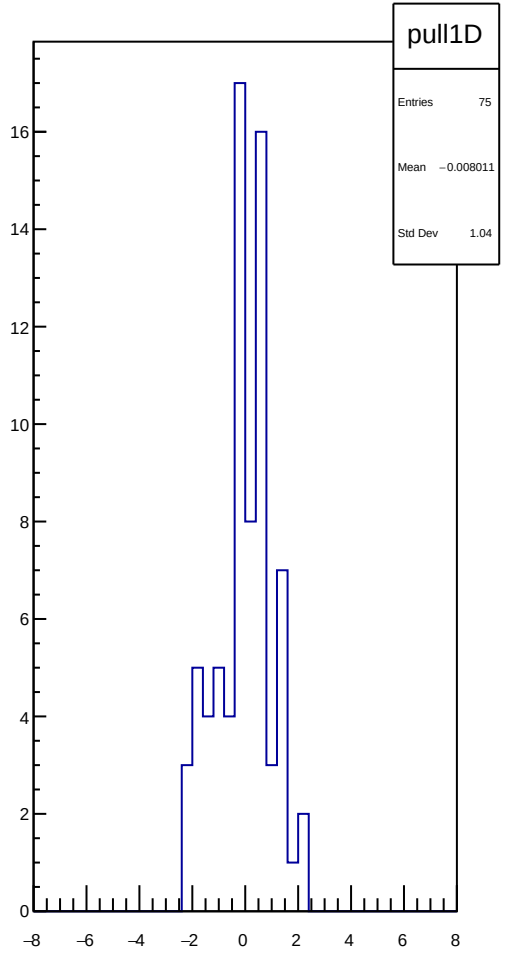

asym_sam8_reg_correction_rms vs run
χ² / ndf 4718 / 74
p0 345.2 ± 0.2842
400
390
380
370
360
350
340
330
320
310


cor_asym_sam8_mean vs run
χ² / ndf 52.5 / 74
p0 270.4 ± 81.15
pull
Entries 75
Mean 120.7
Std Dev 0


pull1D
Entries 75
Mean −0.009762
Std Dev 0.8366


cor_asym_sam8_rms vs run
χ² / ndf 926.9 / 74
p0 69.79 ± 0.05738
76
74
72
70
68
66


asym_sam8_cor_correction_mean vs run
χ² / ndf 81.2 / 74
p0 −753.9 ± 402
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −75.61
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 75
Mean −0.008011
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
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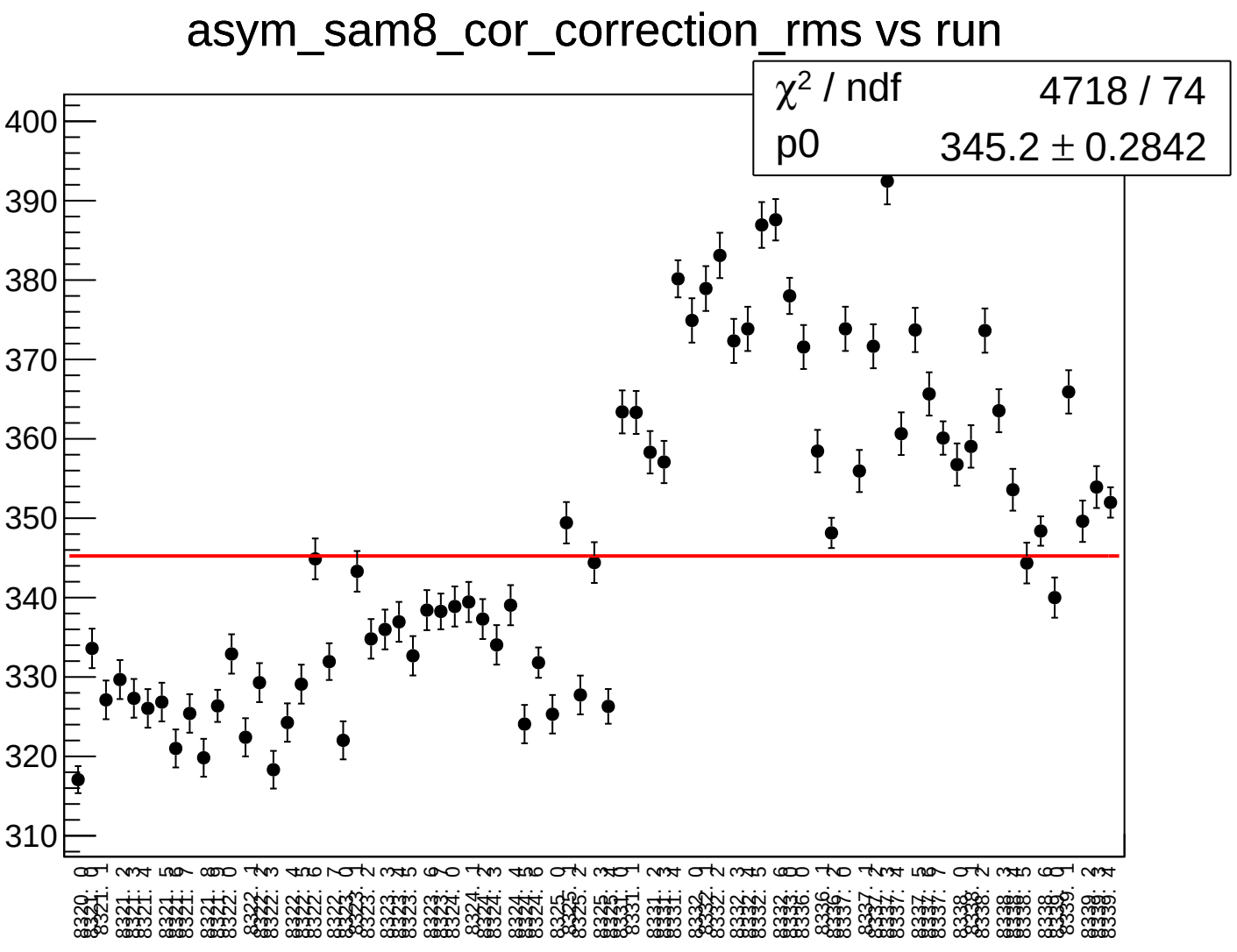
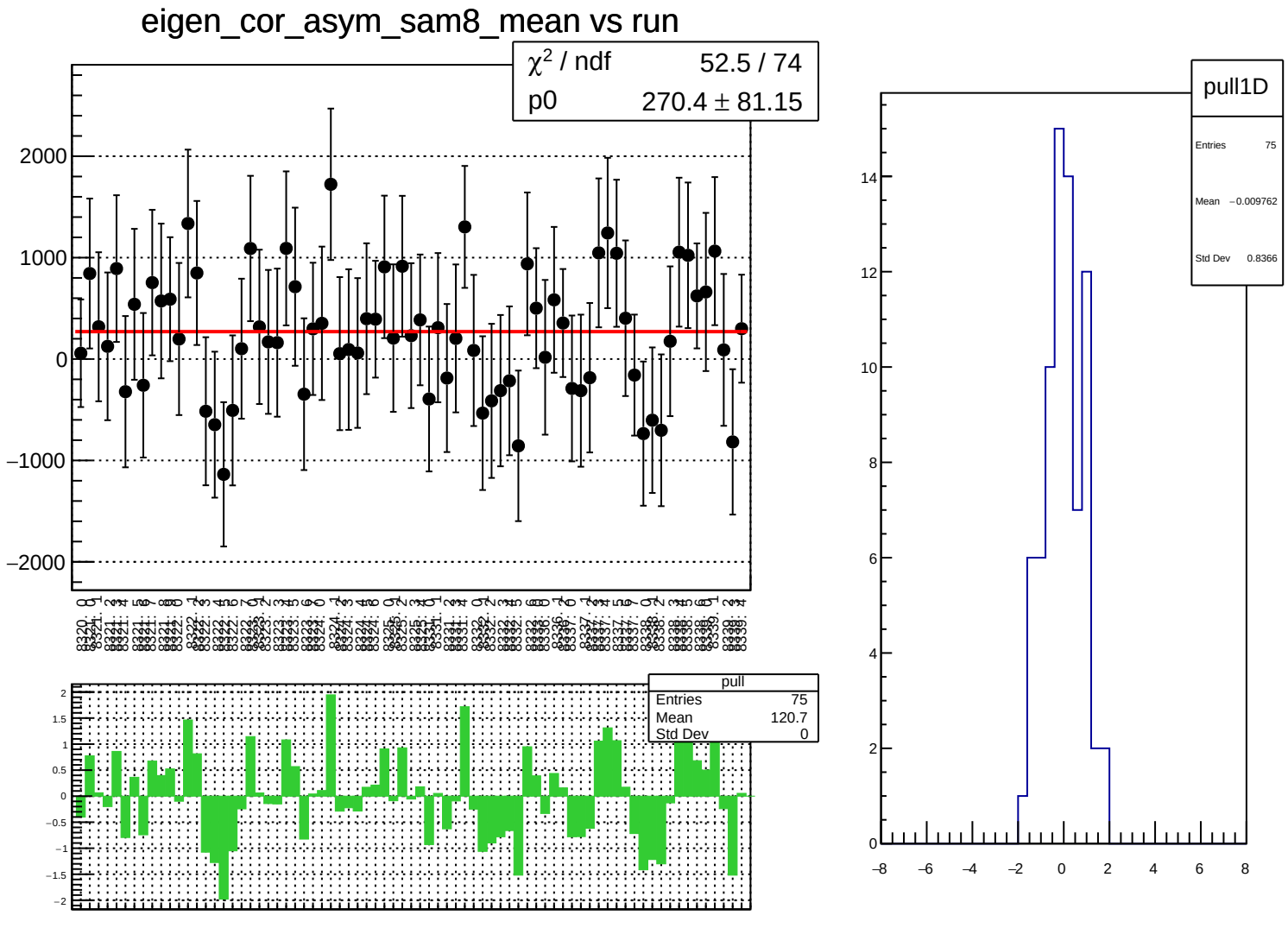
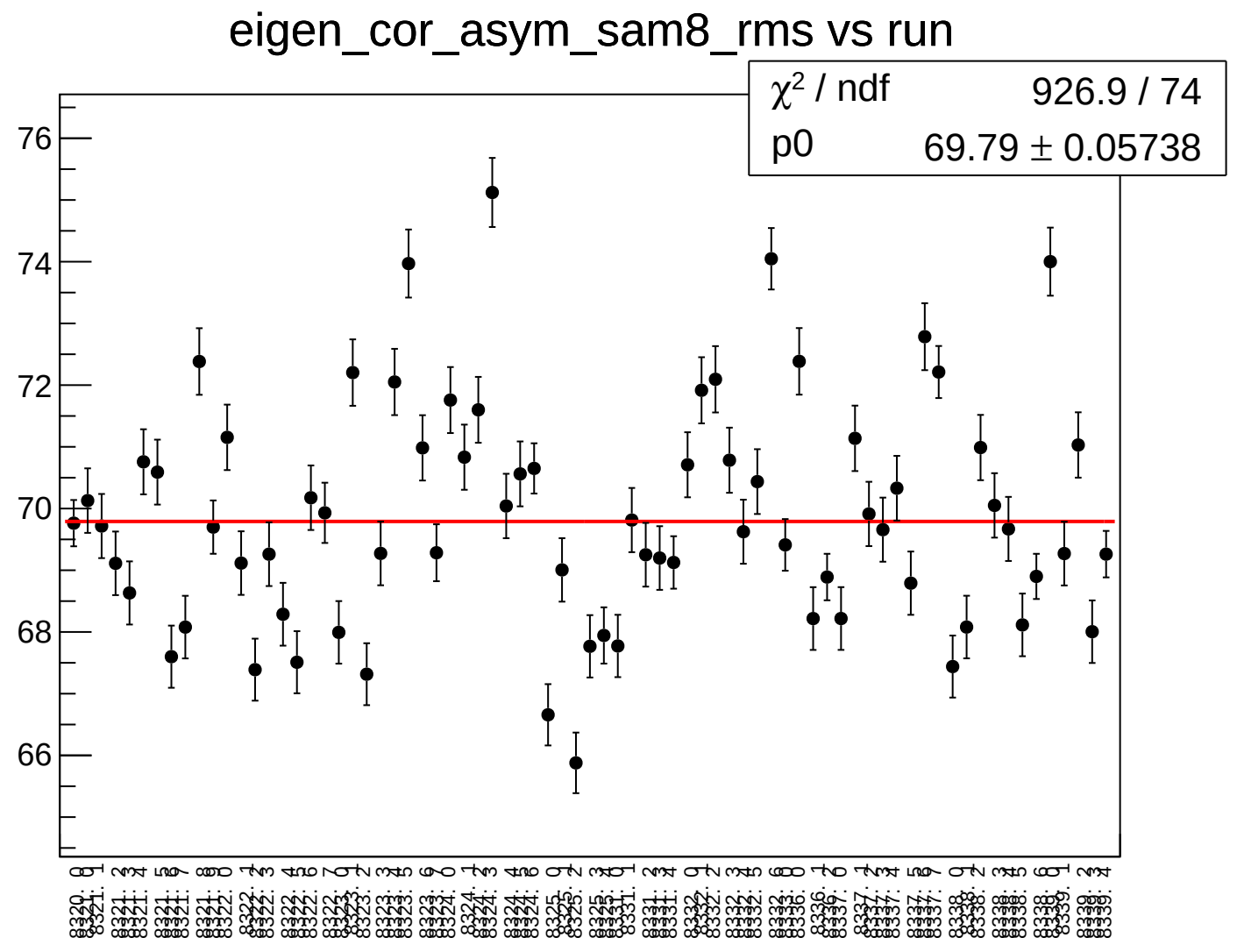
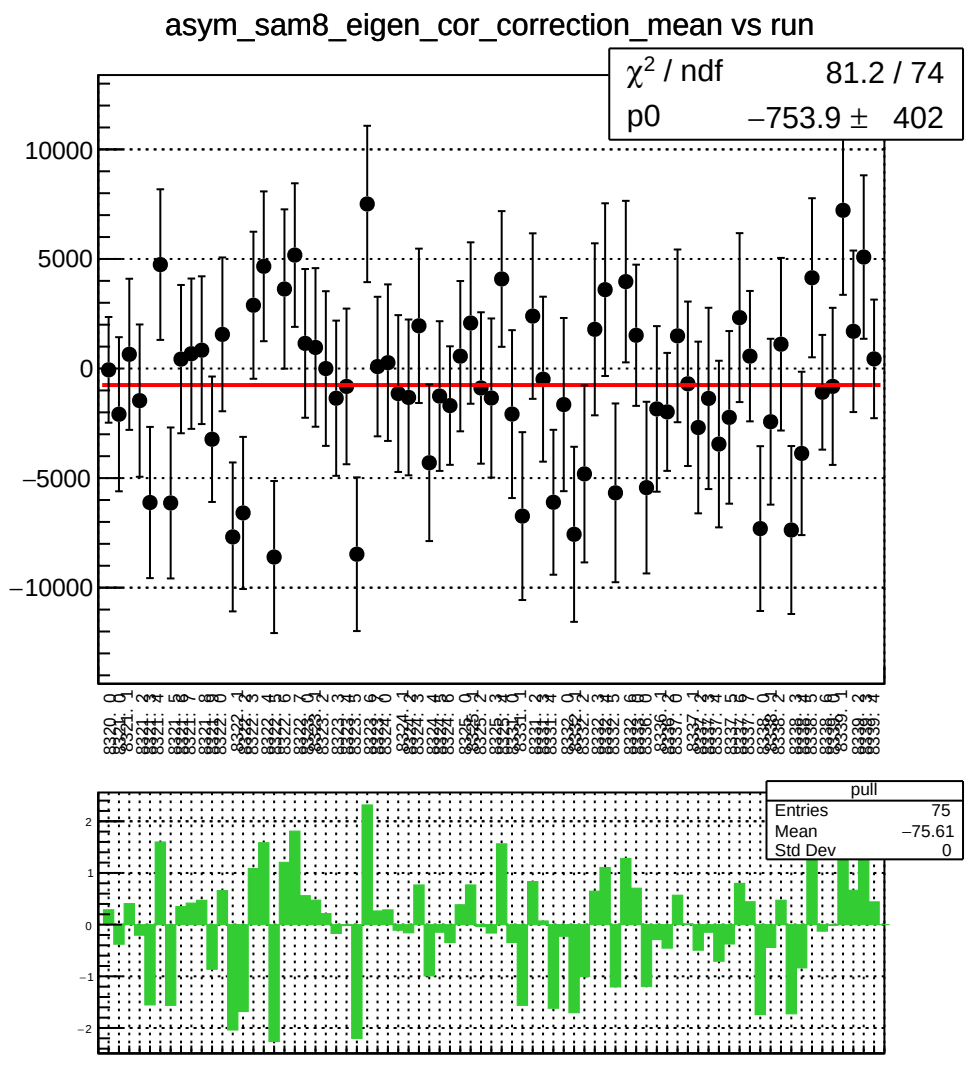
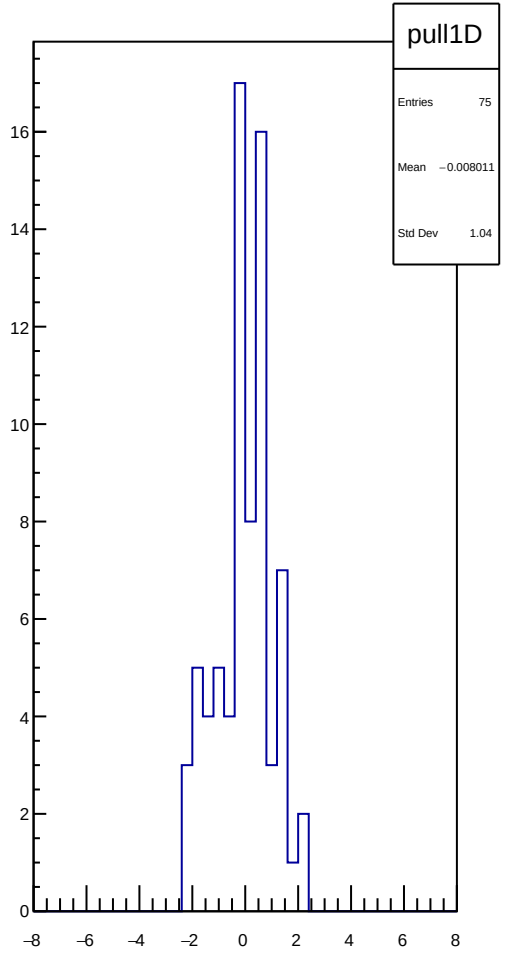
0
2
4
6
8

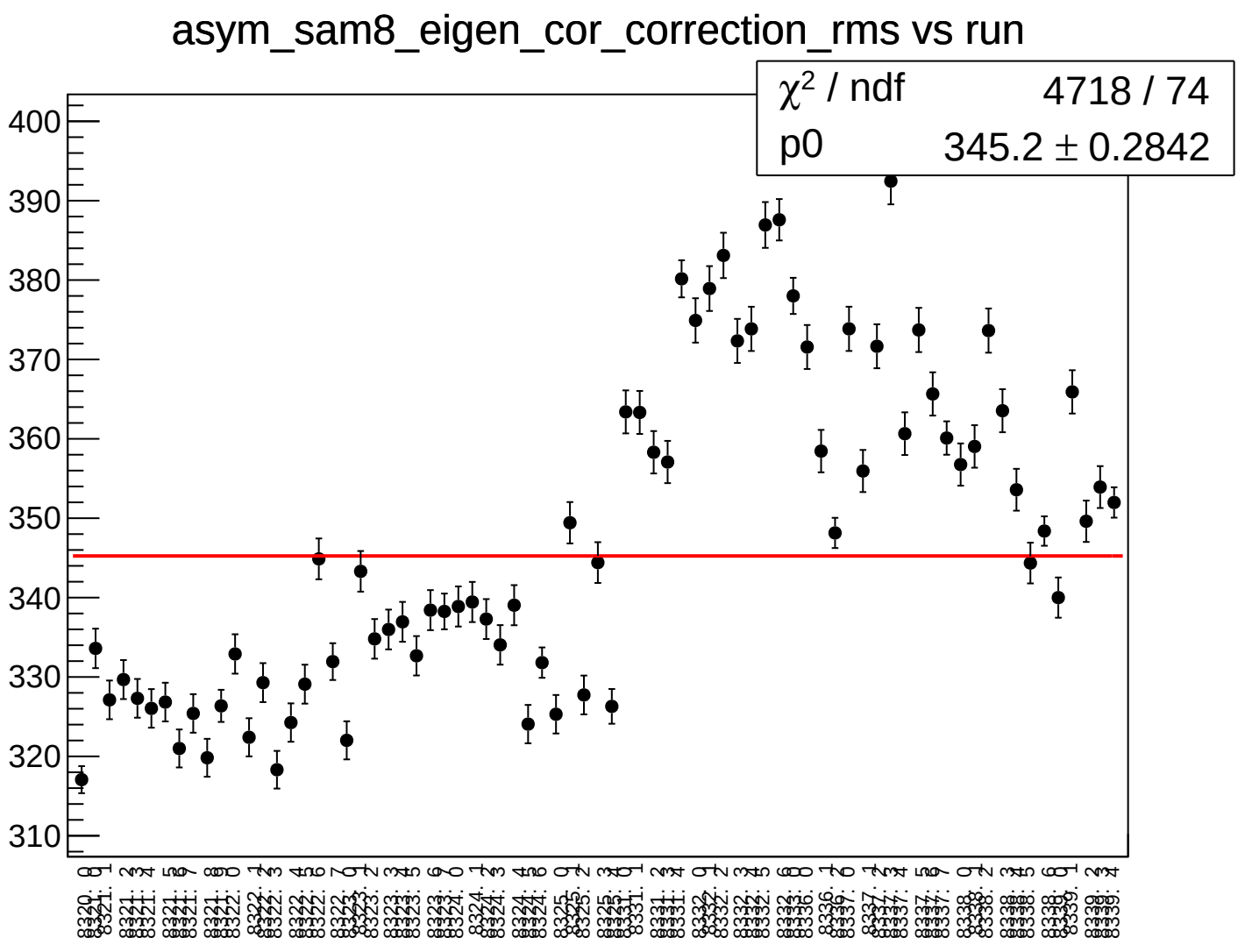

asym_sam8_cor_correction_rms vs run
χ² / ndf 4718 / 74
p0 345.2 ± 0.2842
400
390
380
370
360
350
340
330
320
310

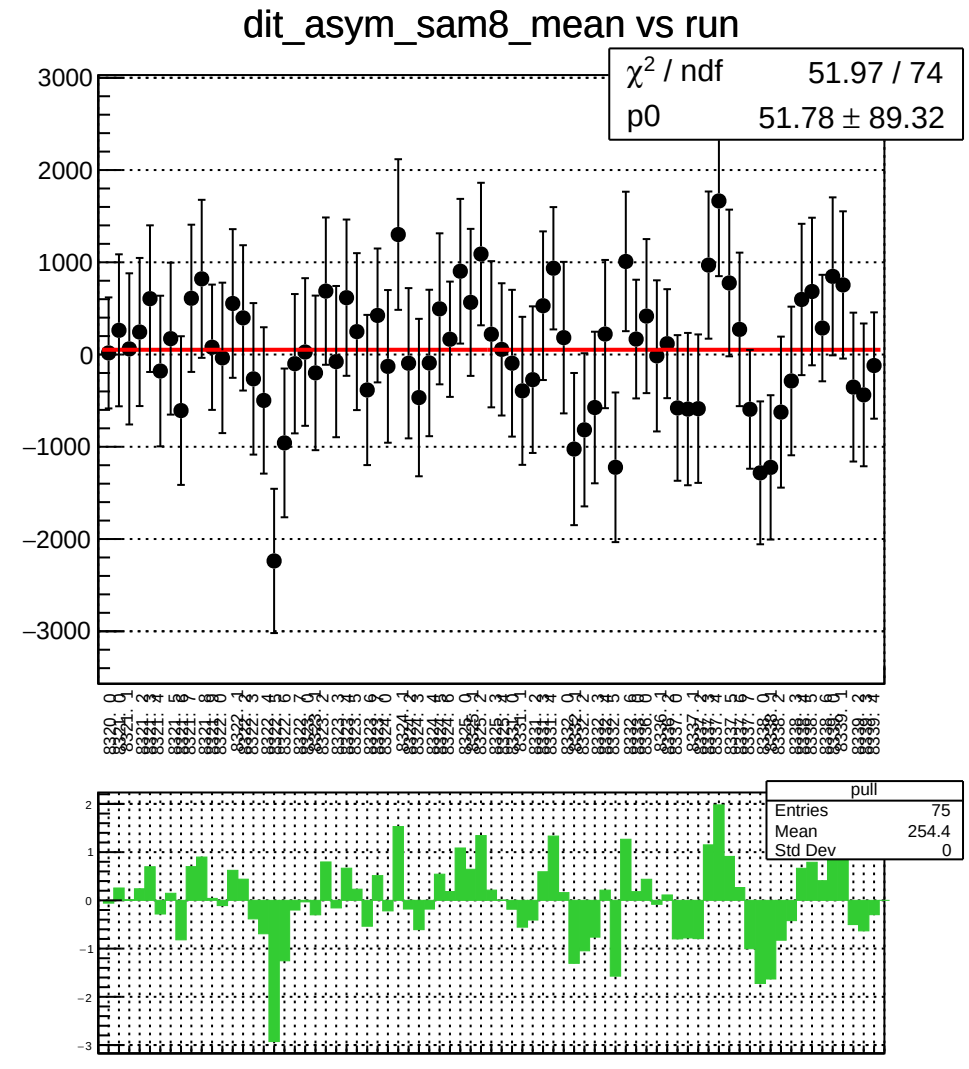

eigen_cor_asym_sam8_mean vs run
χ² / ndf 52.5 / 74
p0 270.4 ± 81.15
pull
Entries 75
Mean 120.7
Std Dev 0
pull1D
Entries 75
Mean −0.009762
Std Dev 0.8366

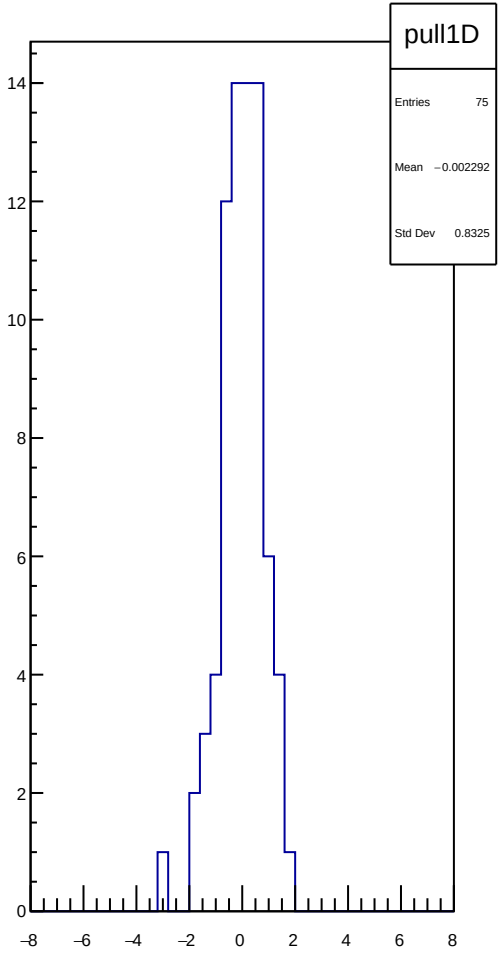

eigen_cor_asym_sam8_rms vs run
χ² / ndf 926.9 / 74
p0 69.79 ± 0.05738
76
74
72
70
68
66

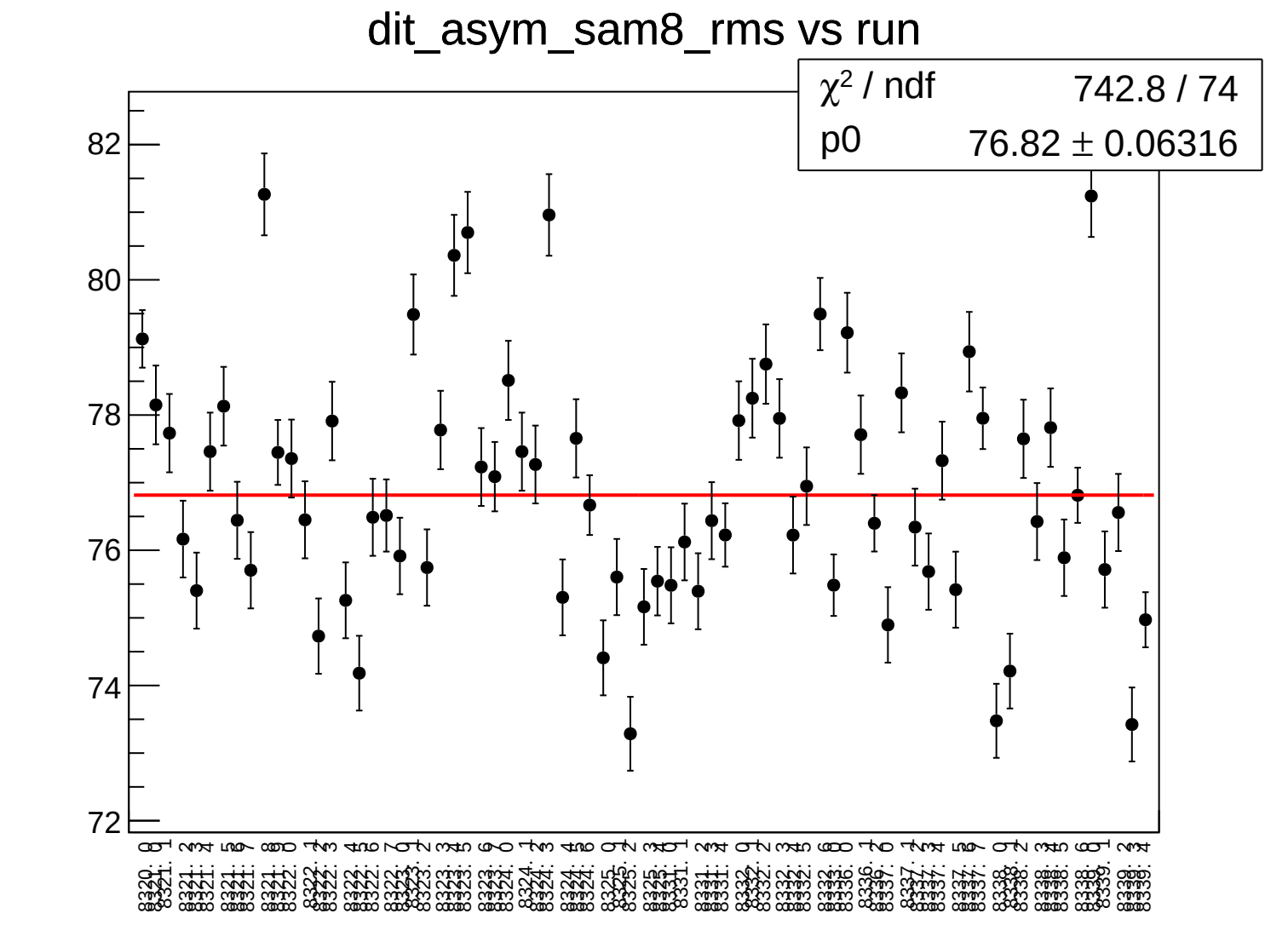

asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 81.2 / 74
p0 −753.9 ± 402
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −75.61
Std Dev 0
2
1
0
−1
−2

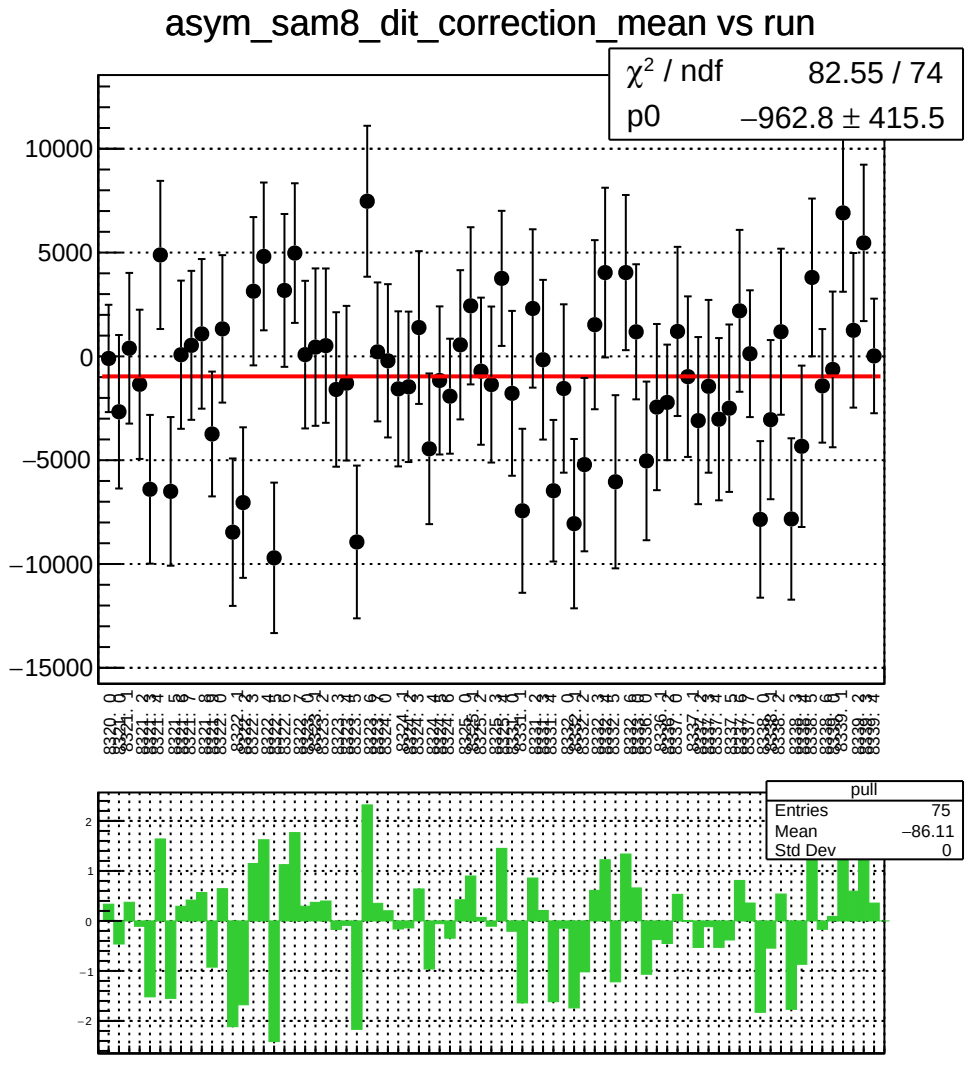

pull1D
Entries 75
Mean −0.008011
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

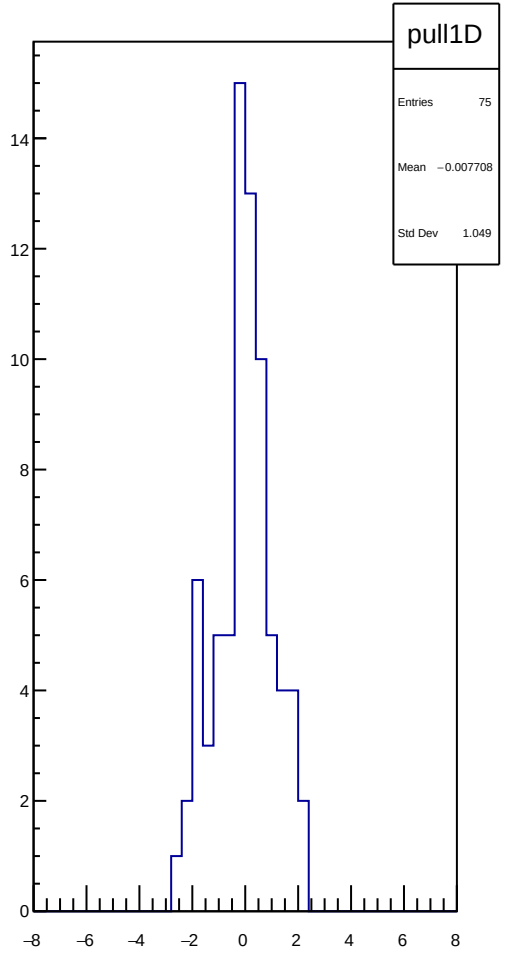

asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 4718 / 74
p0 345.2 ± 0.2842
400
390
380
370
360
350
340
330
320
310

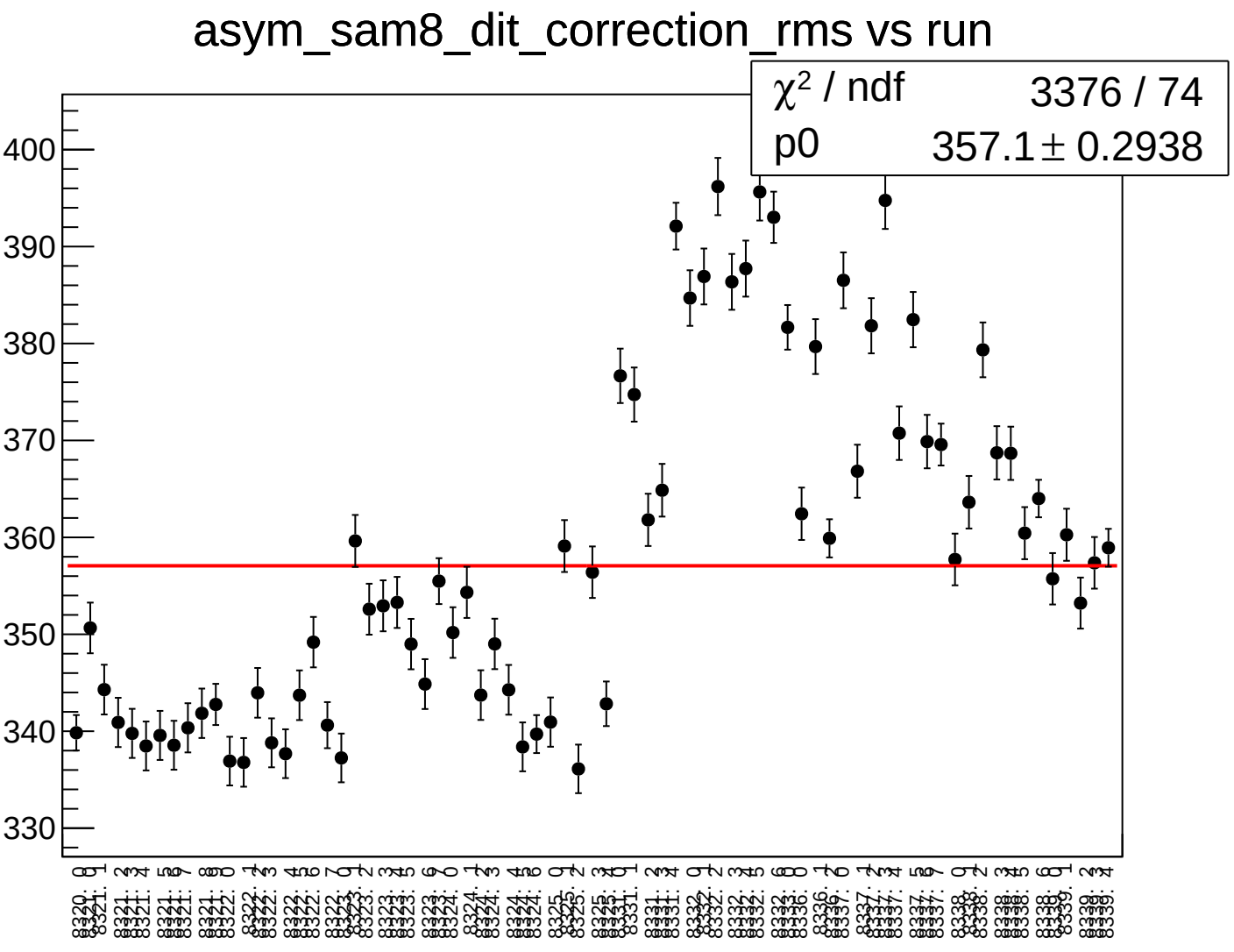

dit_asym_sam8_mean vs run
χ^2 / ndf 51.97 / 74
p0 51.78 ± 89.32
pull
Entries 75
Mean 254.4
Std Dev 0

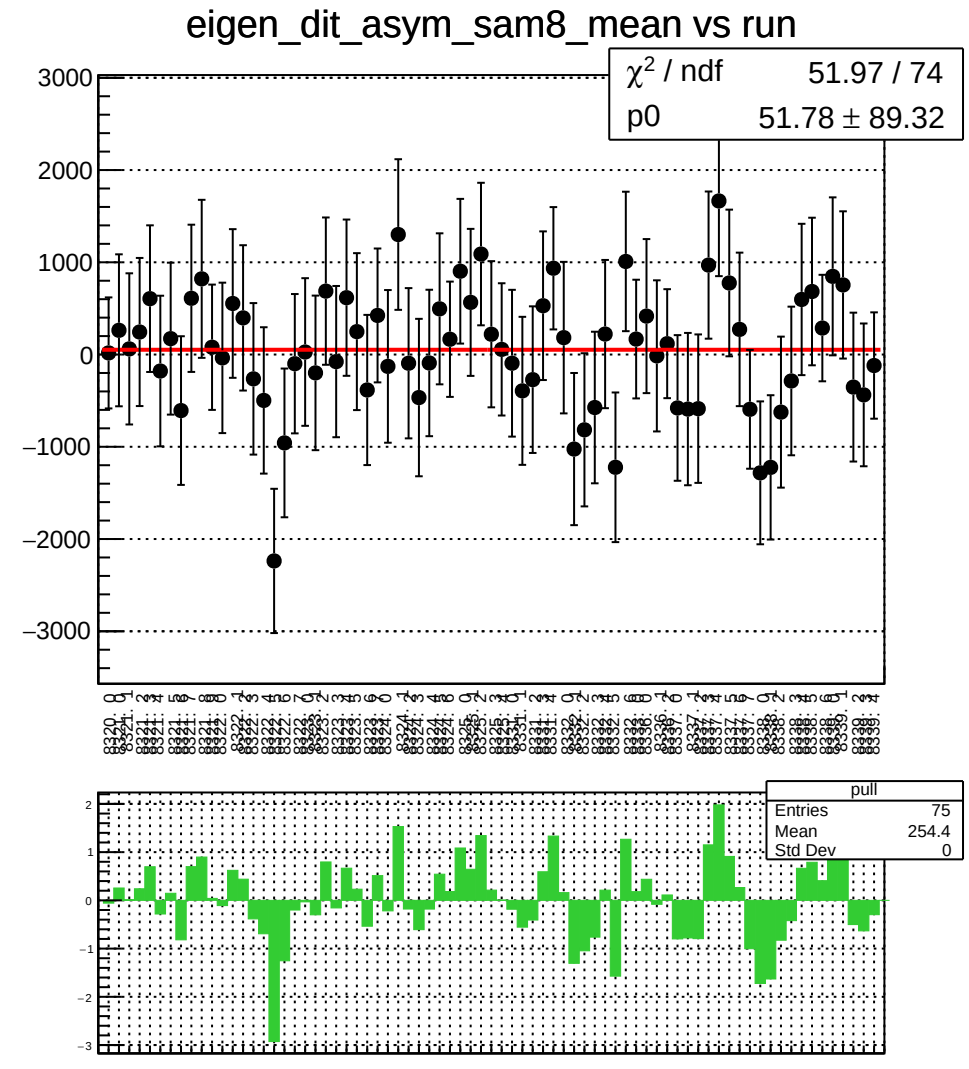

pull1D
Entries 75
Mean −0.002292
Std Dev 0.8325

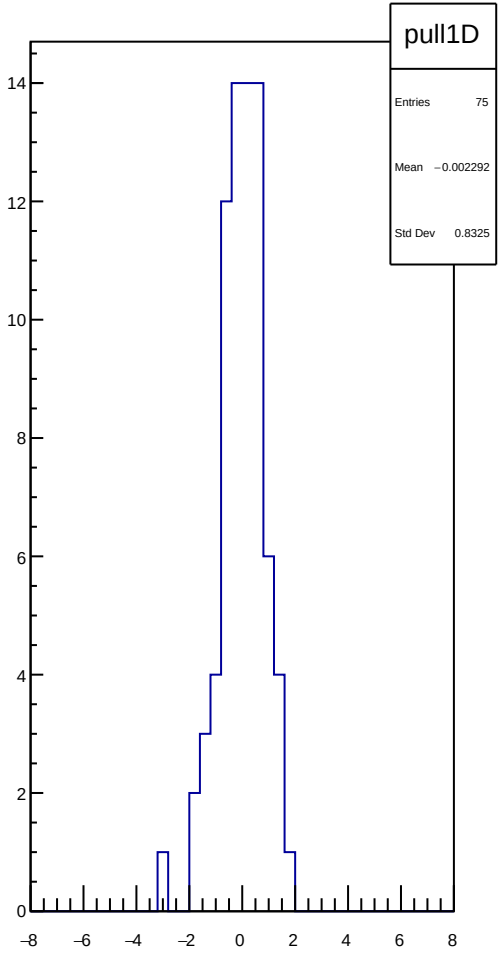

dit_asym_sam8_rms vs run
χ² / ndf 742.8 / 74
p0 76.82 ± 0.06316
82
80
78
76
74
72

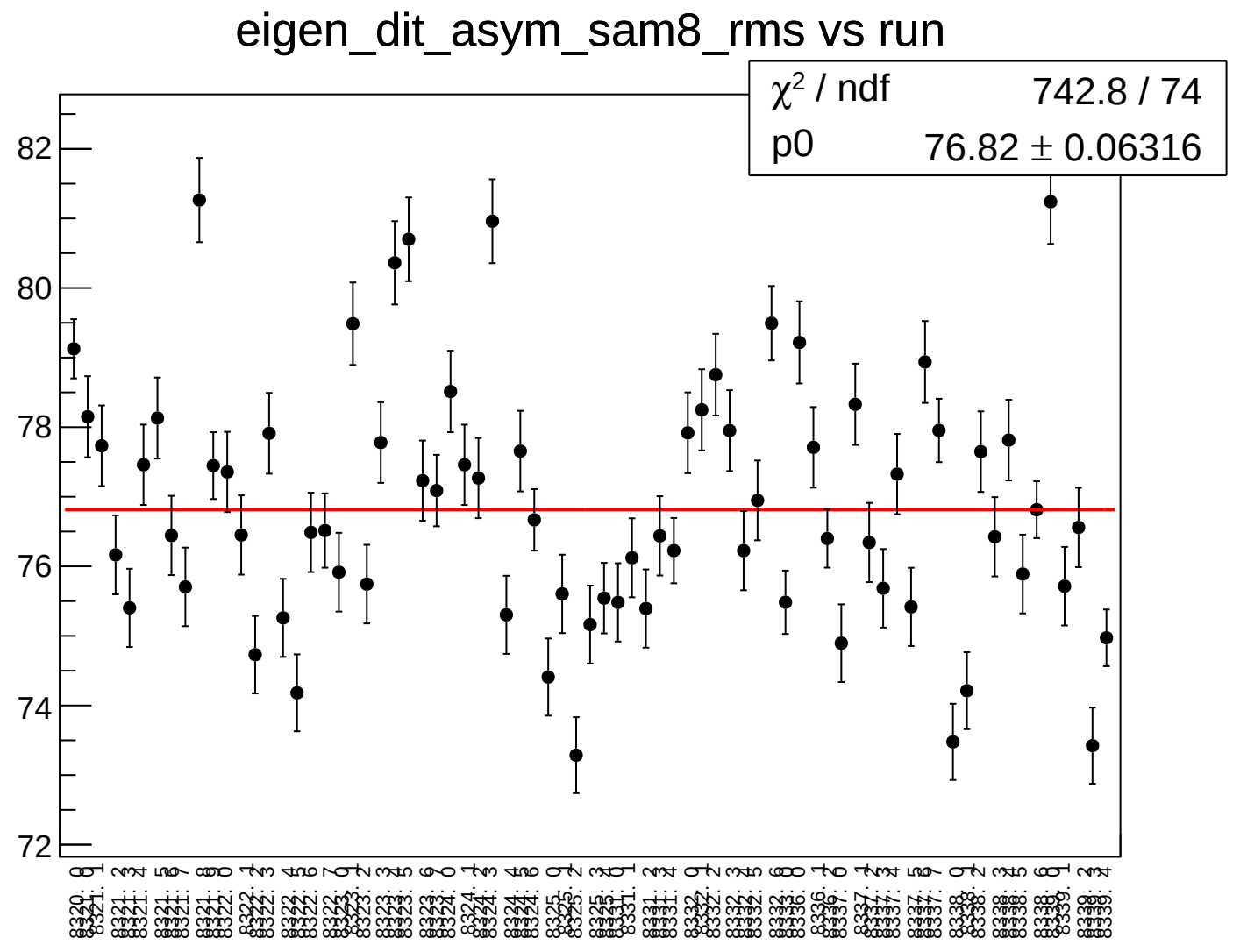

asym_sam8_dit_correction_mean vs run
χ² / ndf 82.55 / 74
p0 −962.8 ± 415.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean −86.11
Std Dev 0
2
1
0
−1
−2

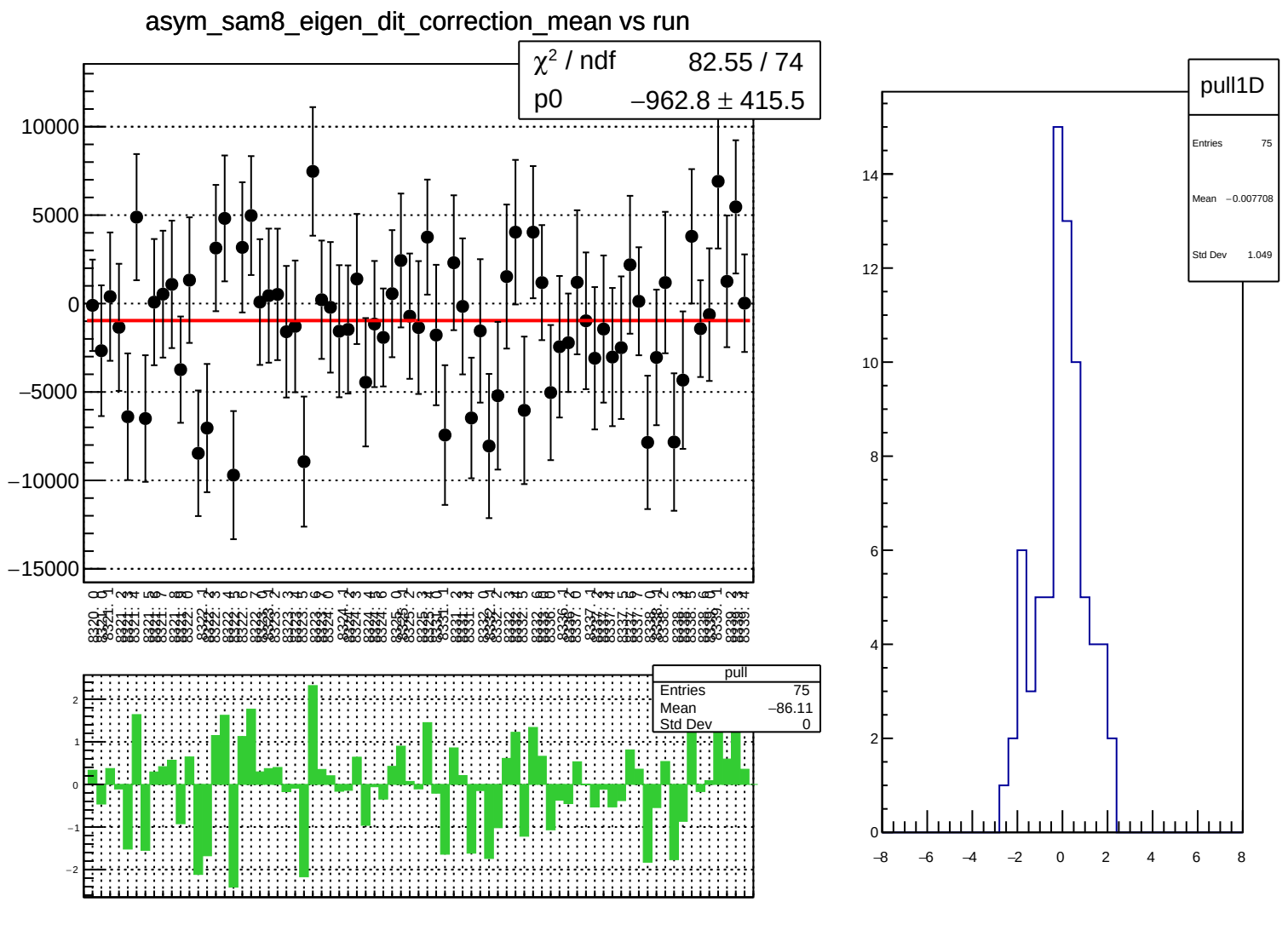

pull1D
Entries 75
Mean −0.007708
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

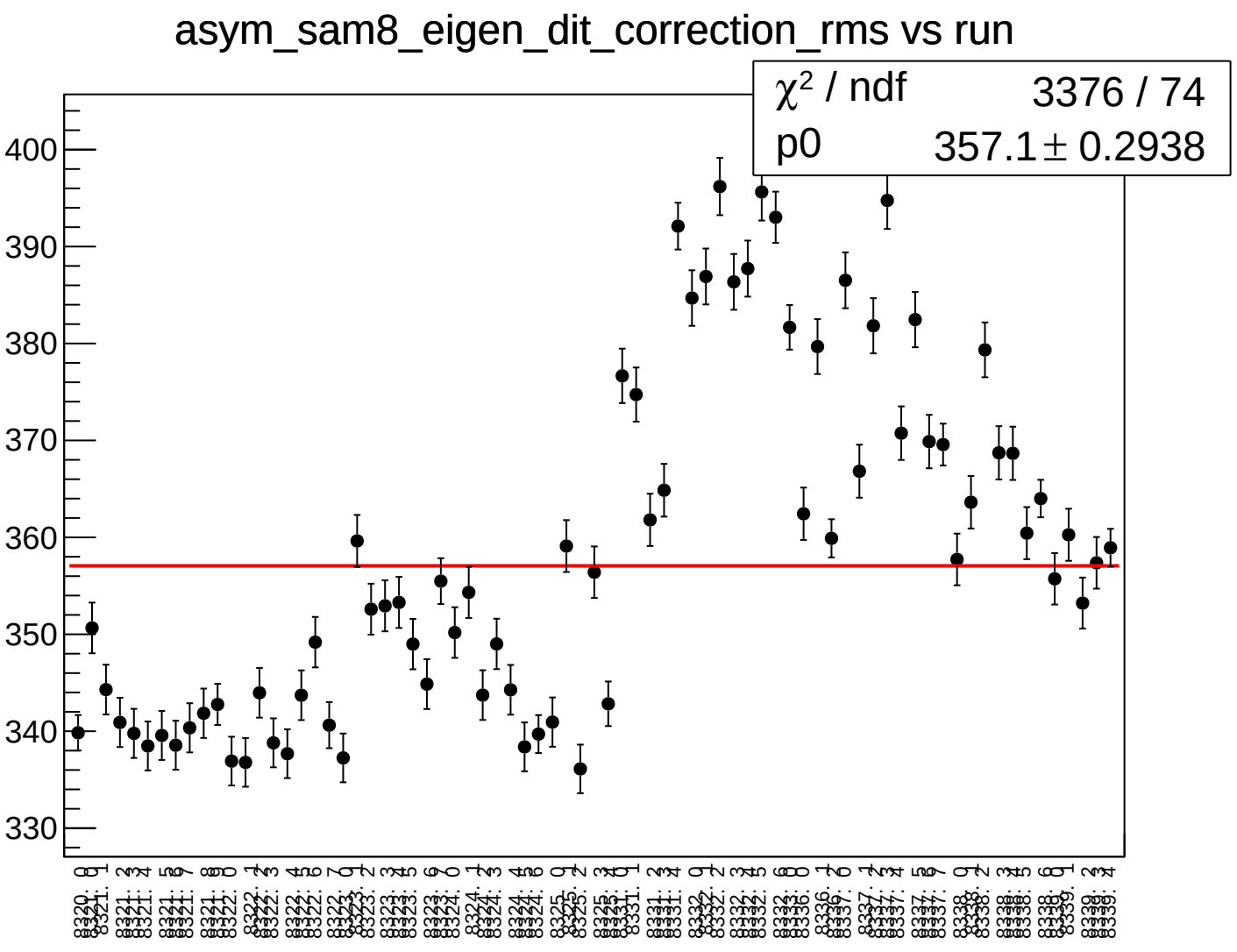

asym_sam8_dit_correction_rms vs run
χ² / ndf 3376 / 74
p0 357.1 ± 0.2938
400
390
380
370
360
350
340
330

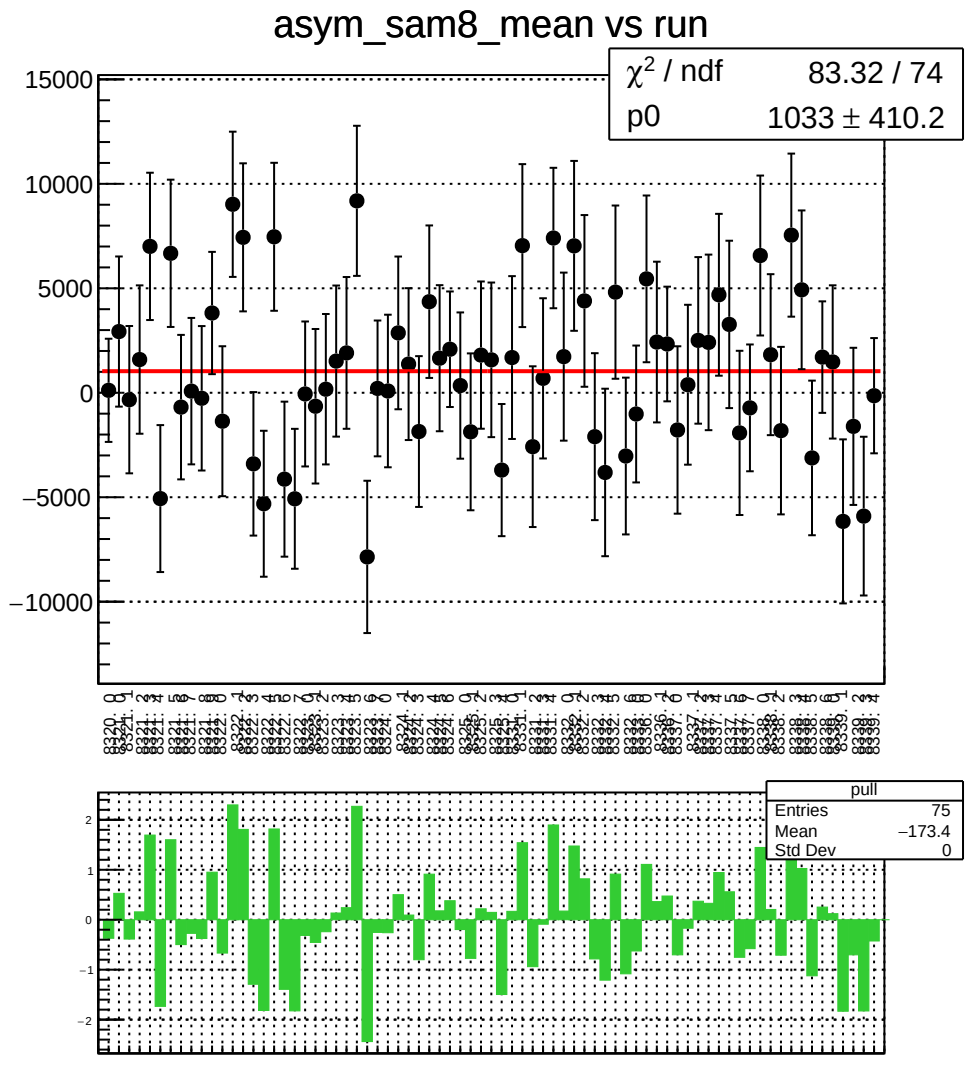

eigen_dit_asym_sam8_mean vs run
χ² / ndf 51.97 / 74
p0 51.78 ± 89.32
pull
Entries 75
Mean 254.4
Std Dev 0

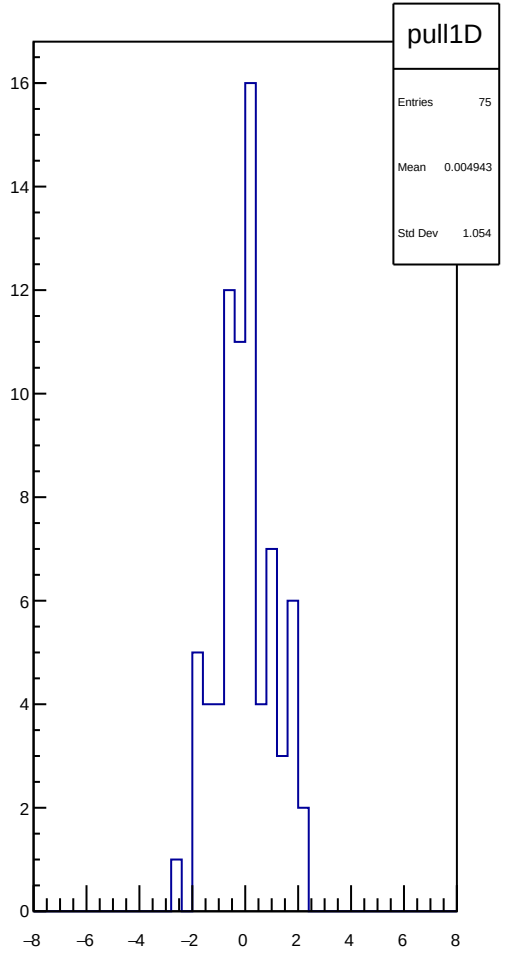

pull1D
Entries 75
Mean −0.002292
Std Dev 0.8325

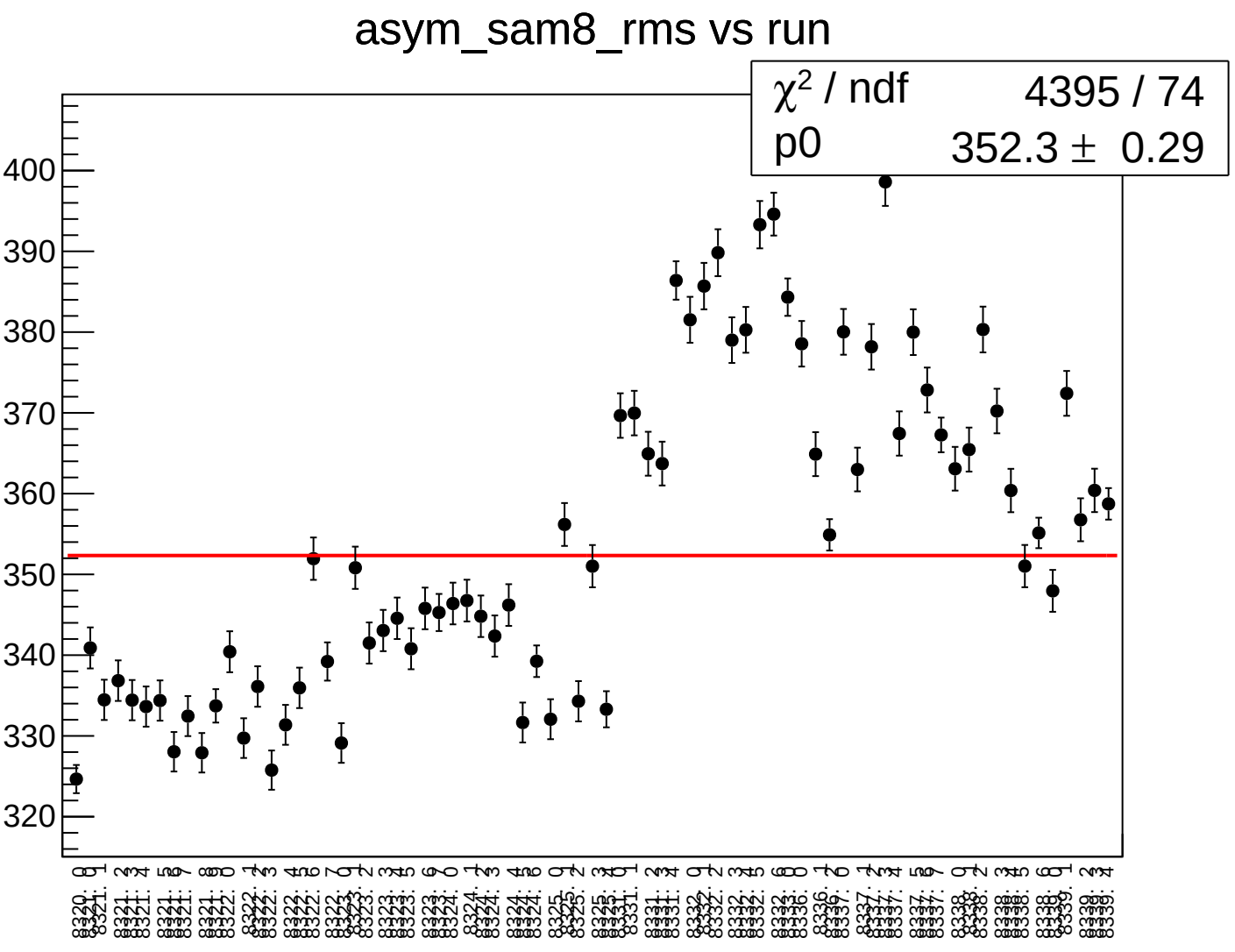

eigen_dit_asym_sam8_rms vs run
χ² / ndf 742.8 / 74
p0 76.82 ± 0.06316
82
80
78
76
74
72

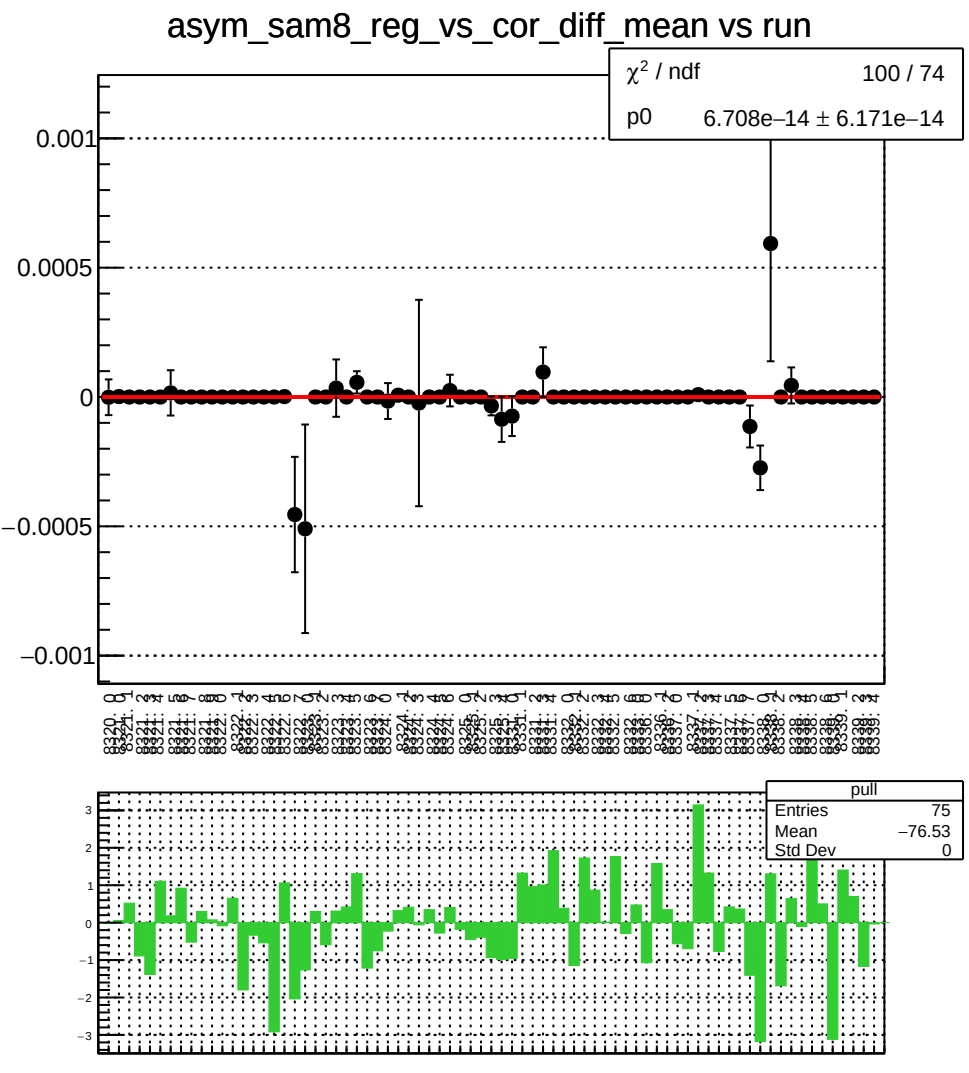

asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 82.55 / 74
p0 −962.8 ± 415.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean −86.11
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.007708
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

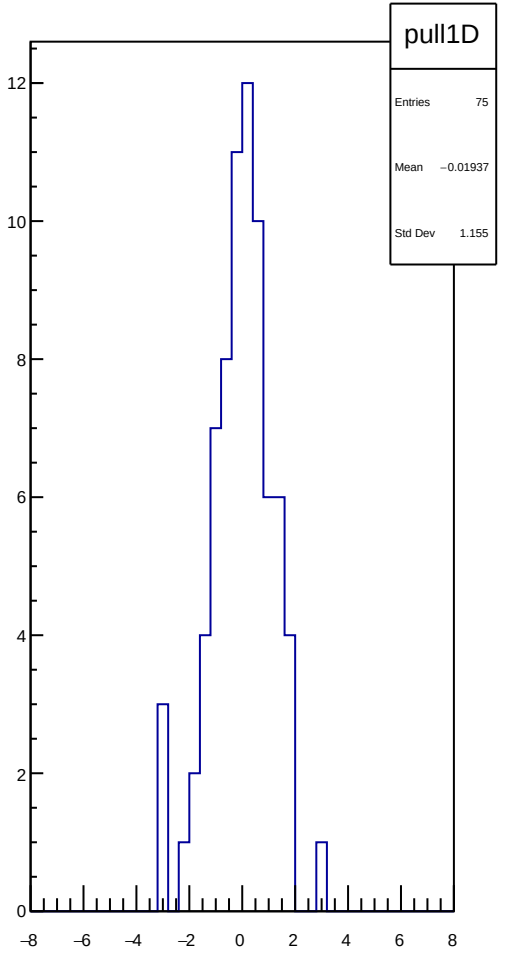

asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 3376 / 74
p0 357.1 ± 0.2938
400
390
380
370
360
350
340
330

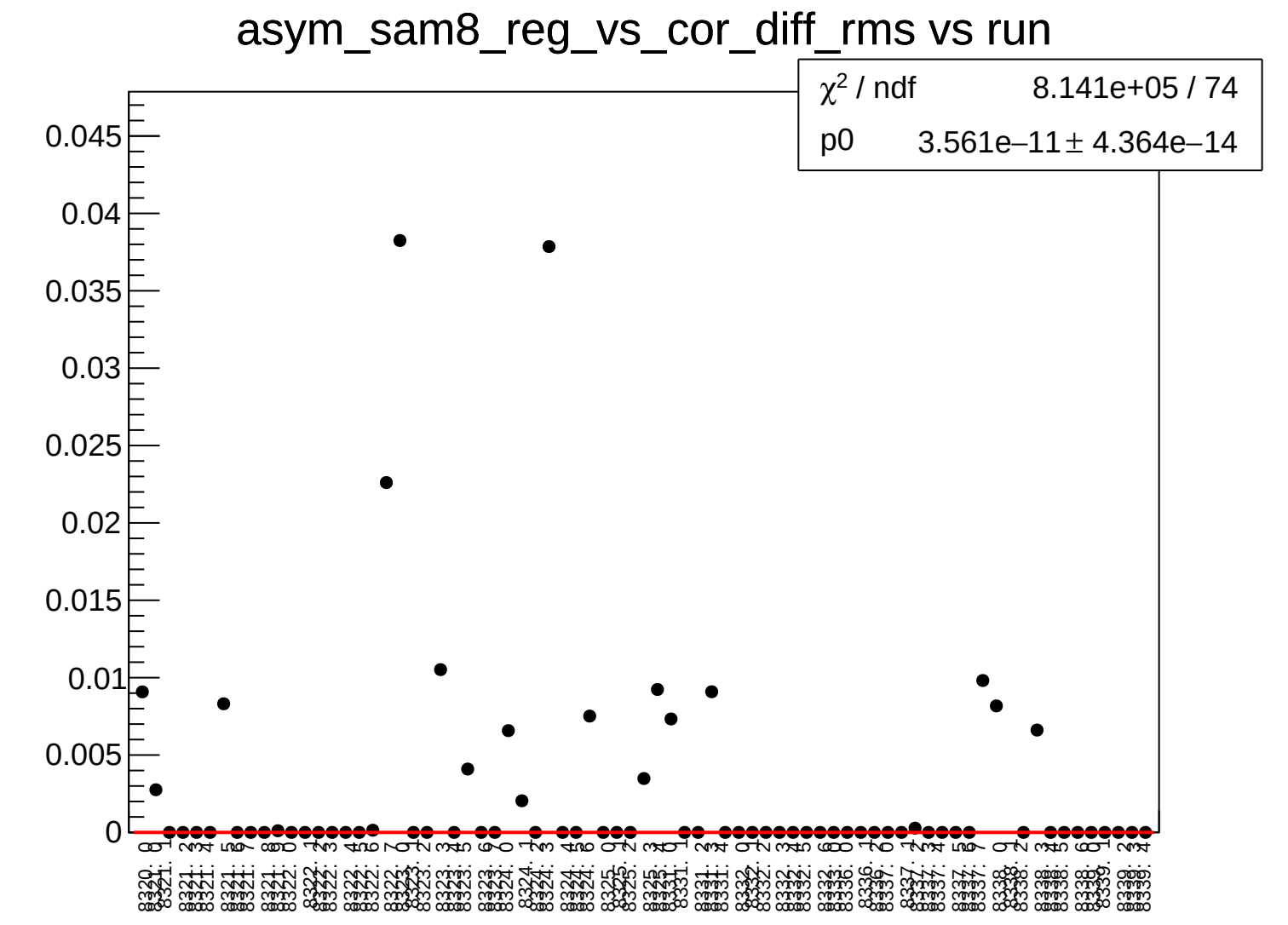

asym_sam8_mean vs run
χ² / ndf 83.32 / 74
p0 1033 ± 410.2
pull
Entries 75
Mean −173.4
Std Dev 0

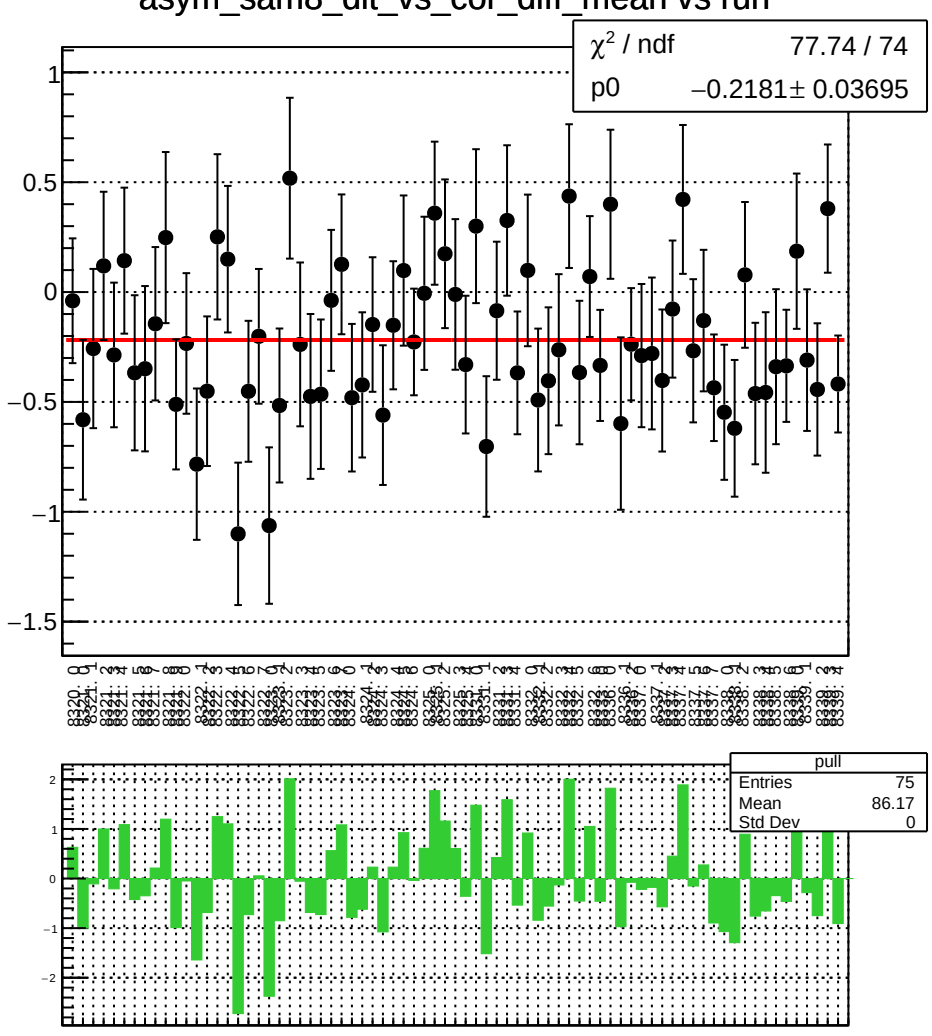

pull1D
Entries 75
Mean 0.004943
Std Dev 1.054

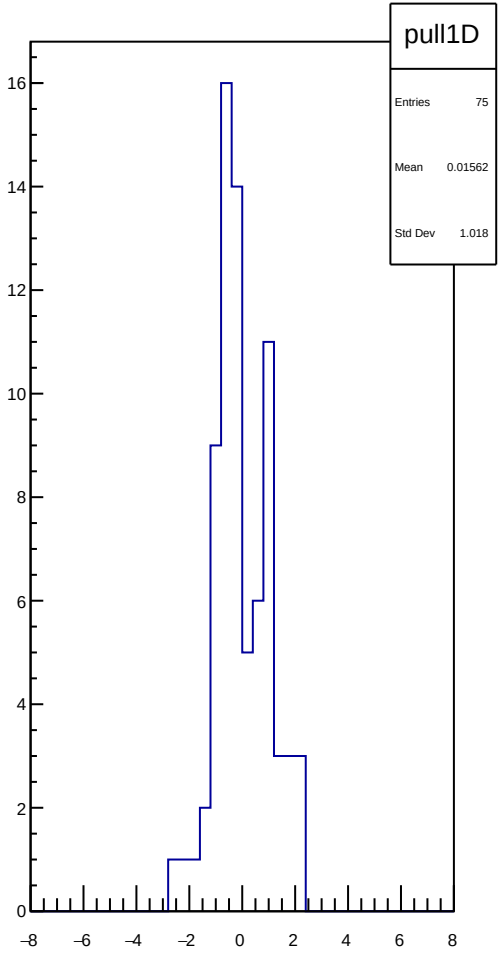

asym_sam8_rms vs run
χ² / ndf 4395 / 74
p0 352.3 ± 0.29
400
390
380
370
360
350
340
330
320

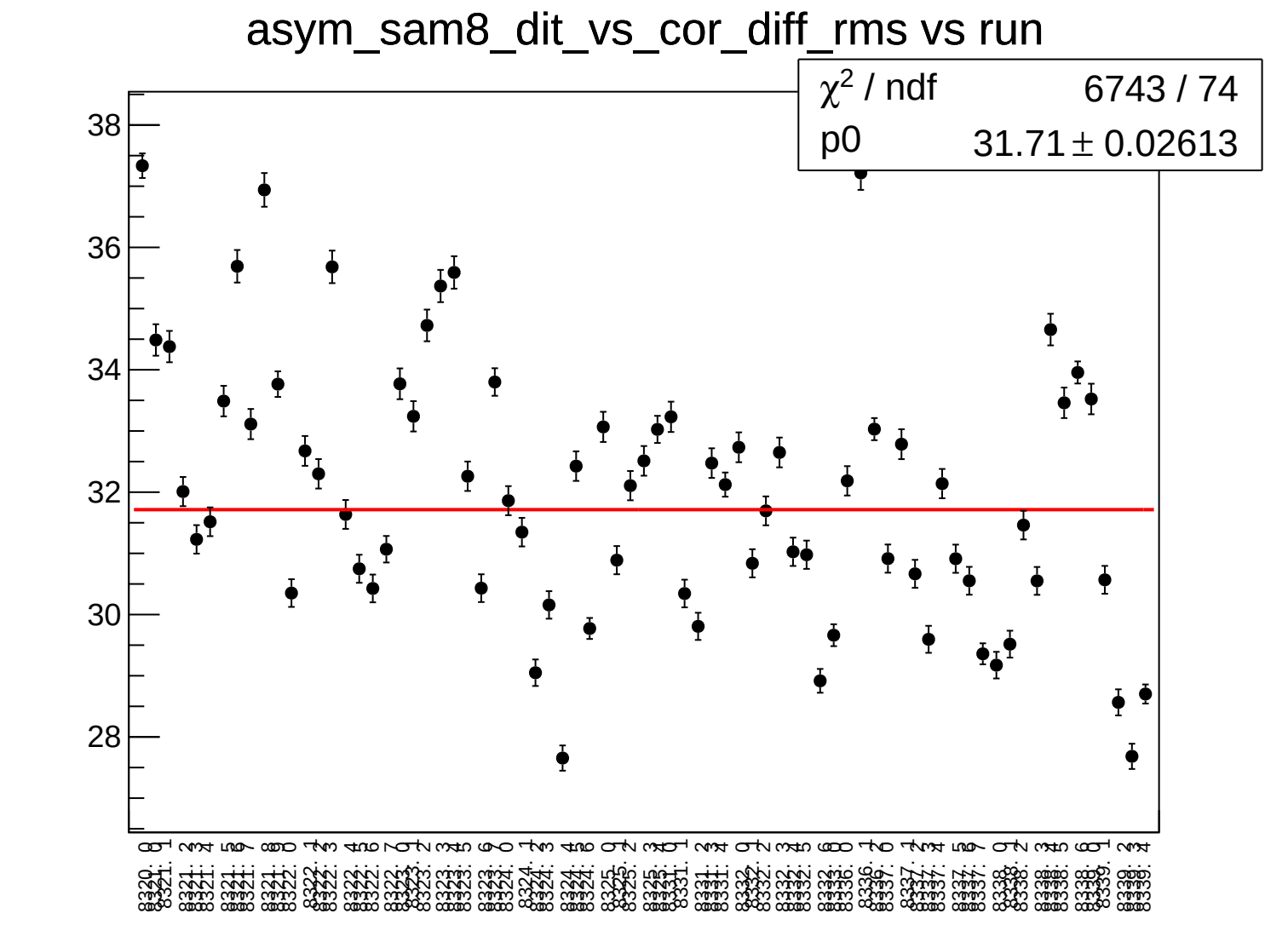

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 100 / 74
p0 6.708e−14 ± 6.171e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean −76.53
Std Dev 0
3
2
1
0
−1
−2
−3

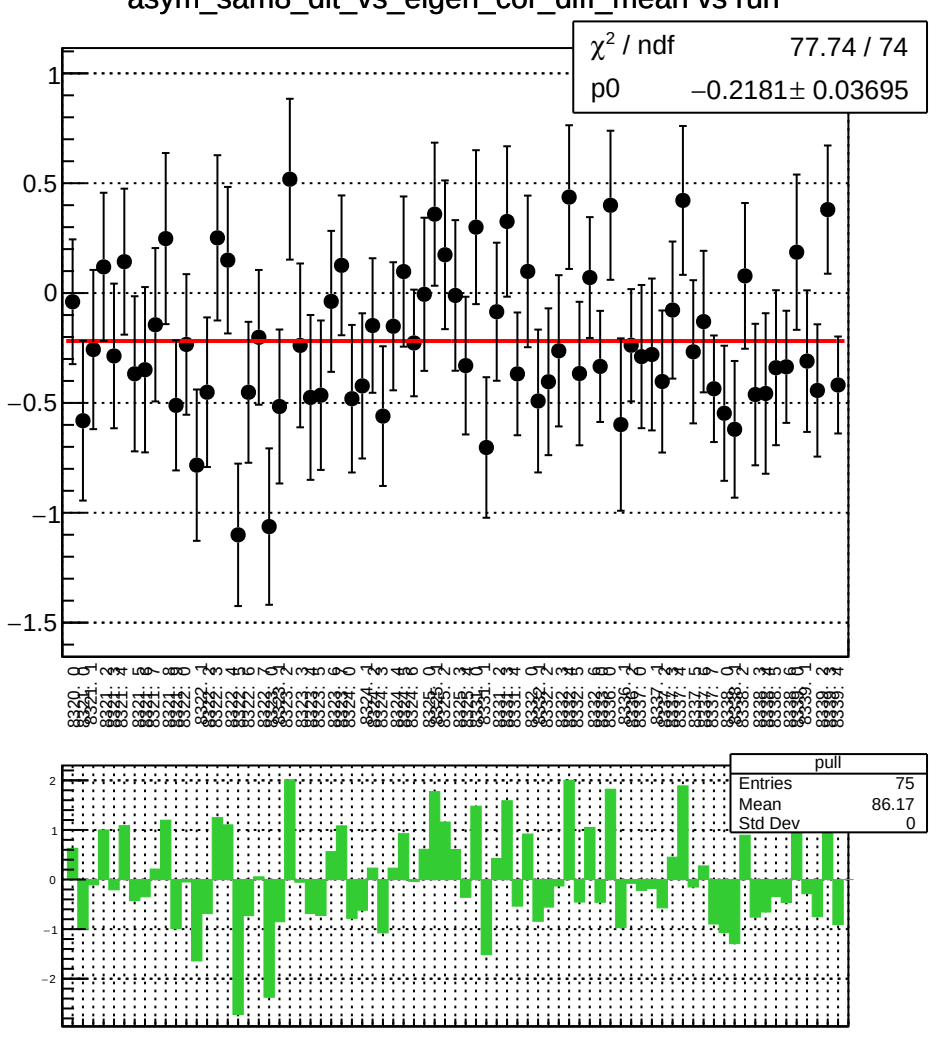

pull1D
Entries 75
Mean −0.01937
Std Dev 1.155
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

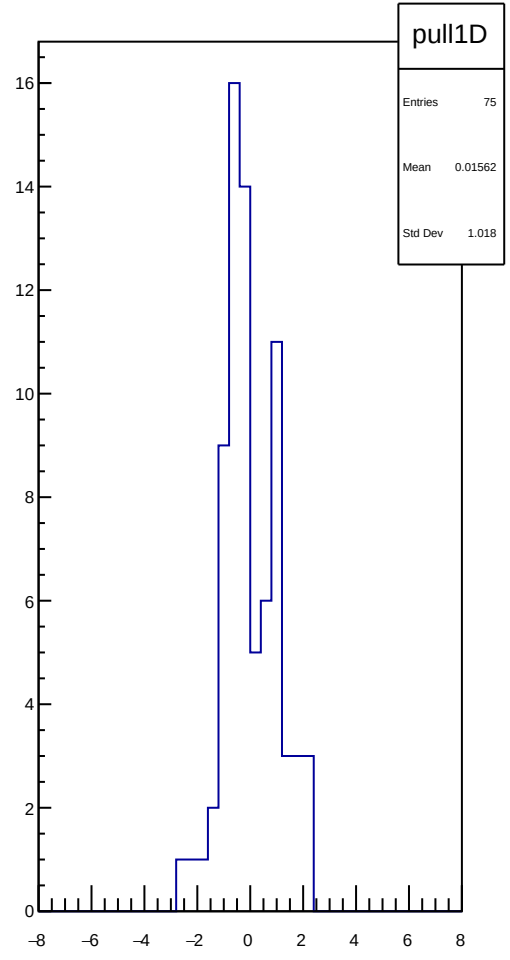

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 8.141e+05 / 74
p0 3.561e−11 ± 4.364e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

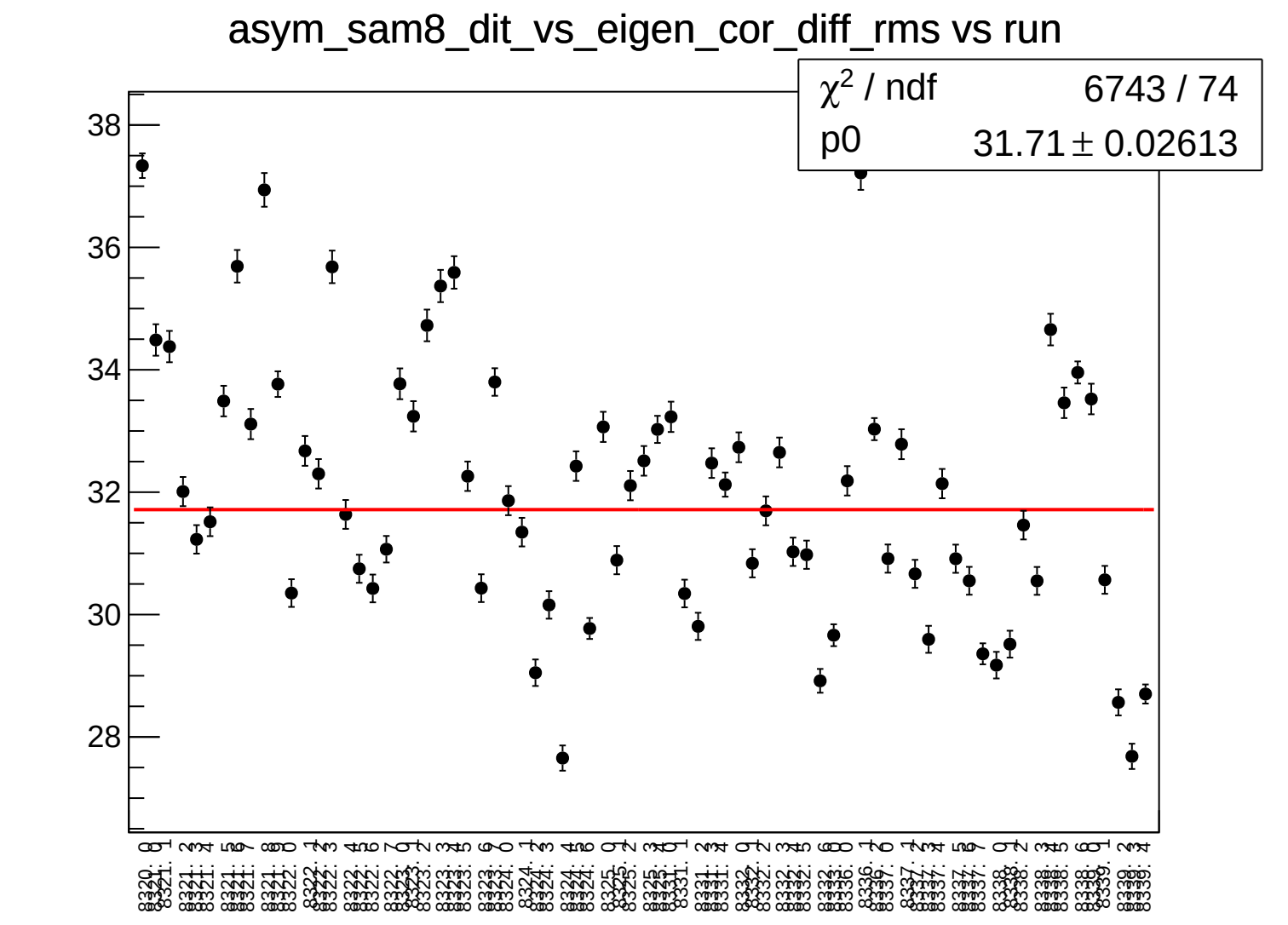

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 77.74 / 74
p0 −0.2181± 0.03695
pull
Entries 75
Mean 86.17
Std Dev 0

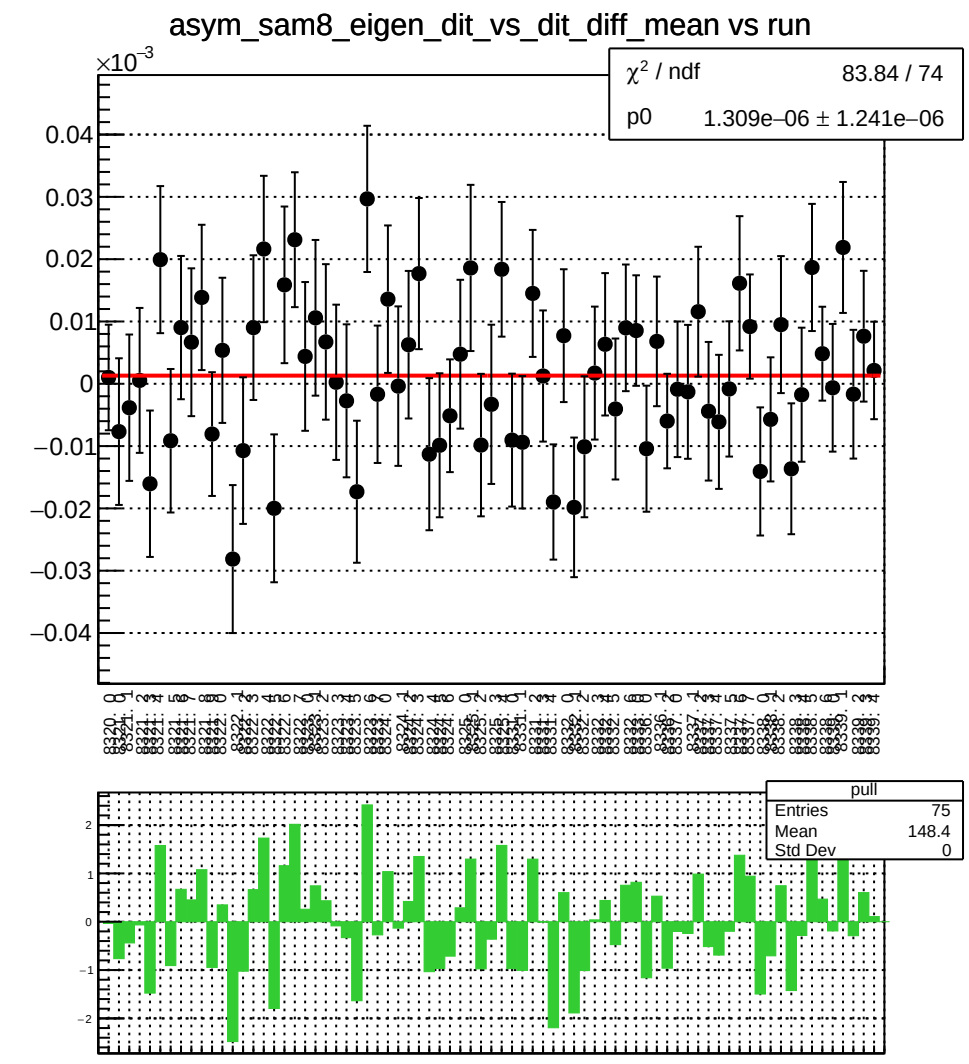

pull1D
Entries 75
Mean 0.01562
Std Dev 1.018

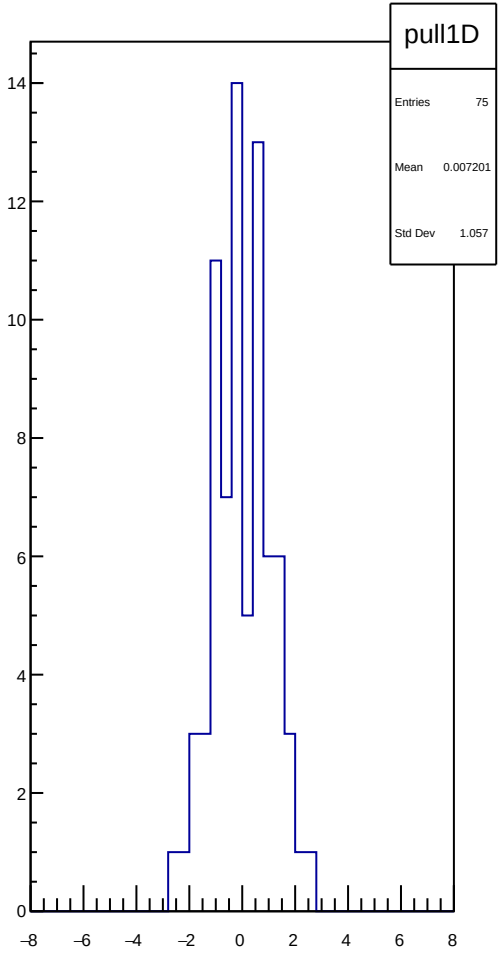

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 6743 / 74
p0 31.71 ± 0.02613
38
36
34
32
30
28

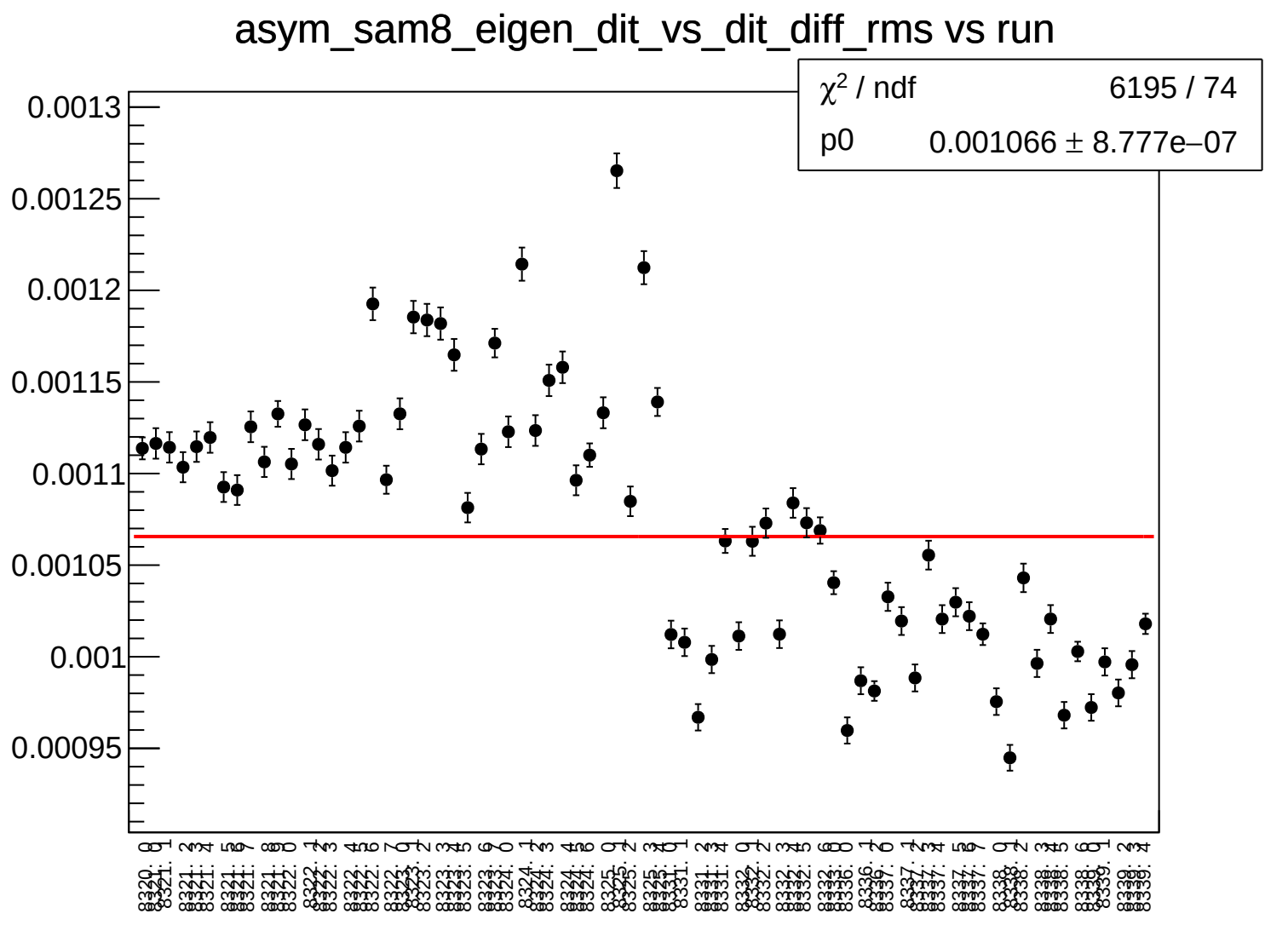

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.74 / 74
p0 −0.2181± 0.03695
pull
Entries 75
Mean 86.17
Std Dev 0

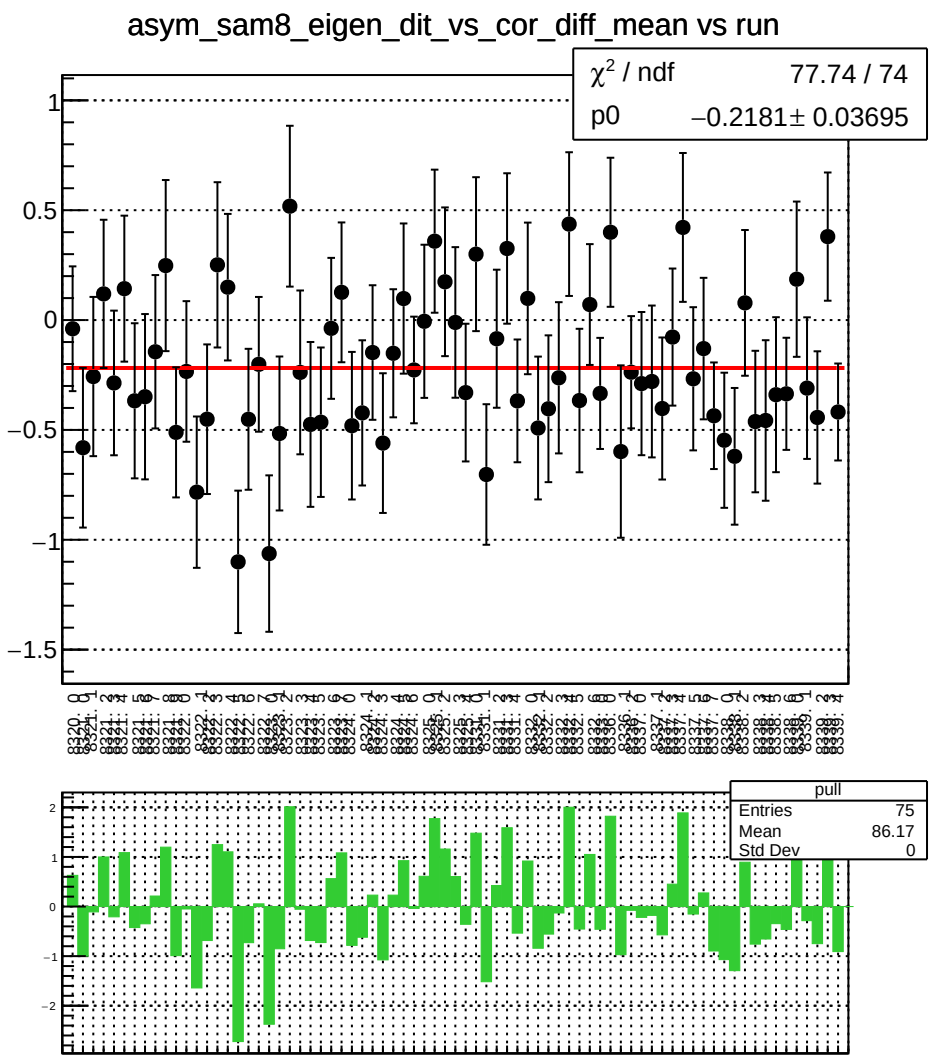

pull1D
Entries 75
Mean 0.01562
Std Dev 1.018

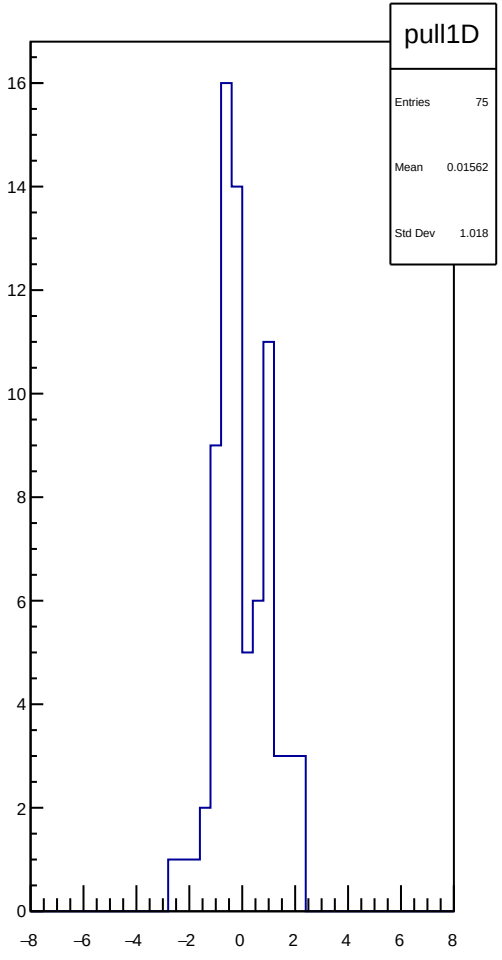

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6743 / 74
p0 31.71 ± 0.02613
38
36
34
32
30
28

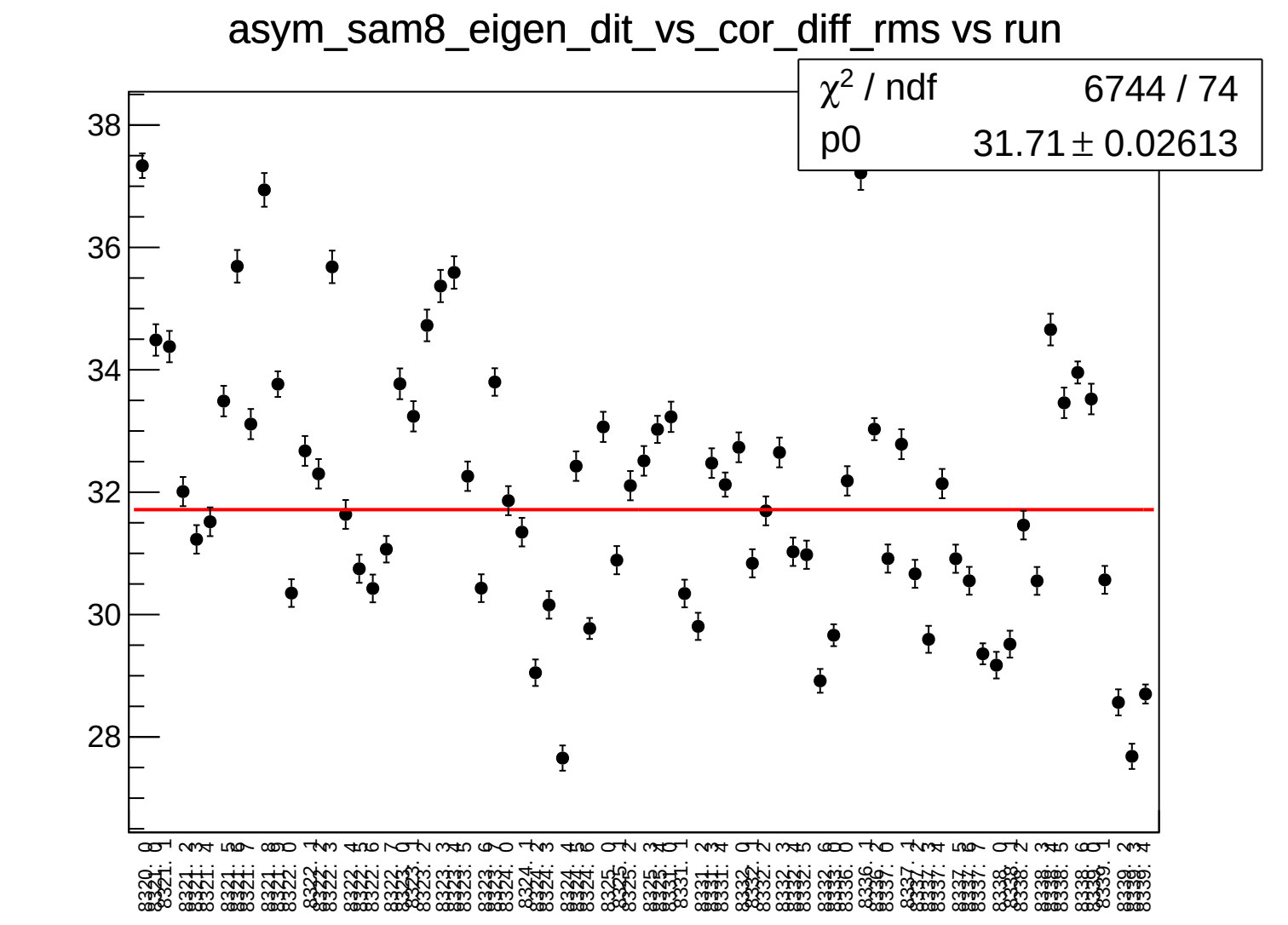

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 83.84 / 74
p0 1.309e−06 ± 1.241e−06
pull
Entries 75
Mean 148.4
Std Dev 0

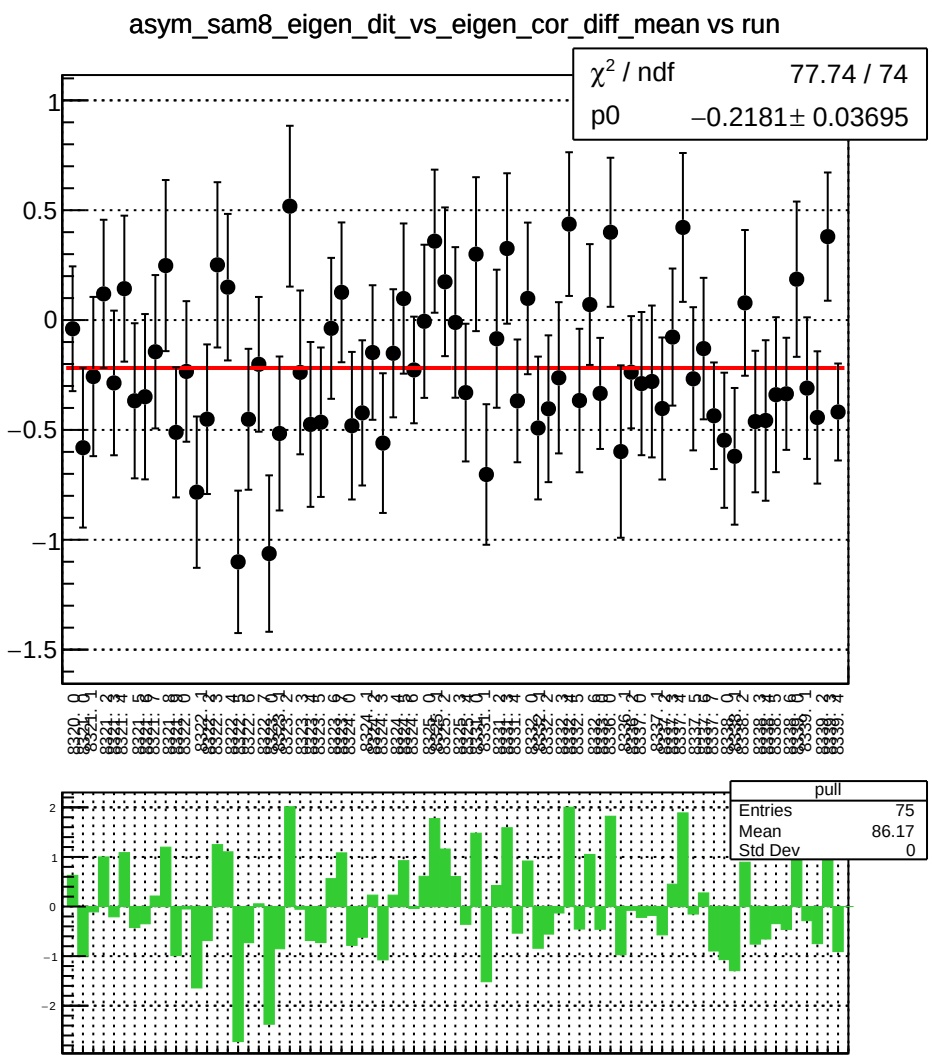

pull1D
Entries 75
Mean 0.007201
Std Dev 1.057

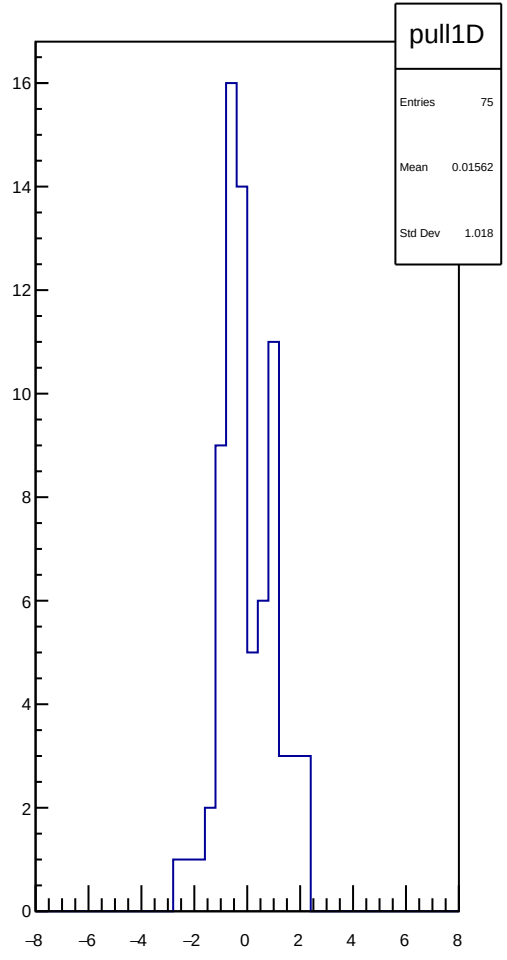

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6195 / 74
p0 0.001066 ± 8.777e−07
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095

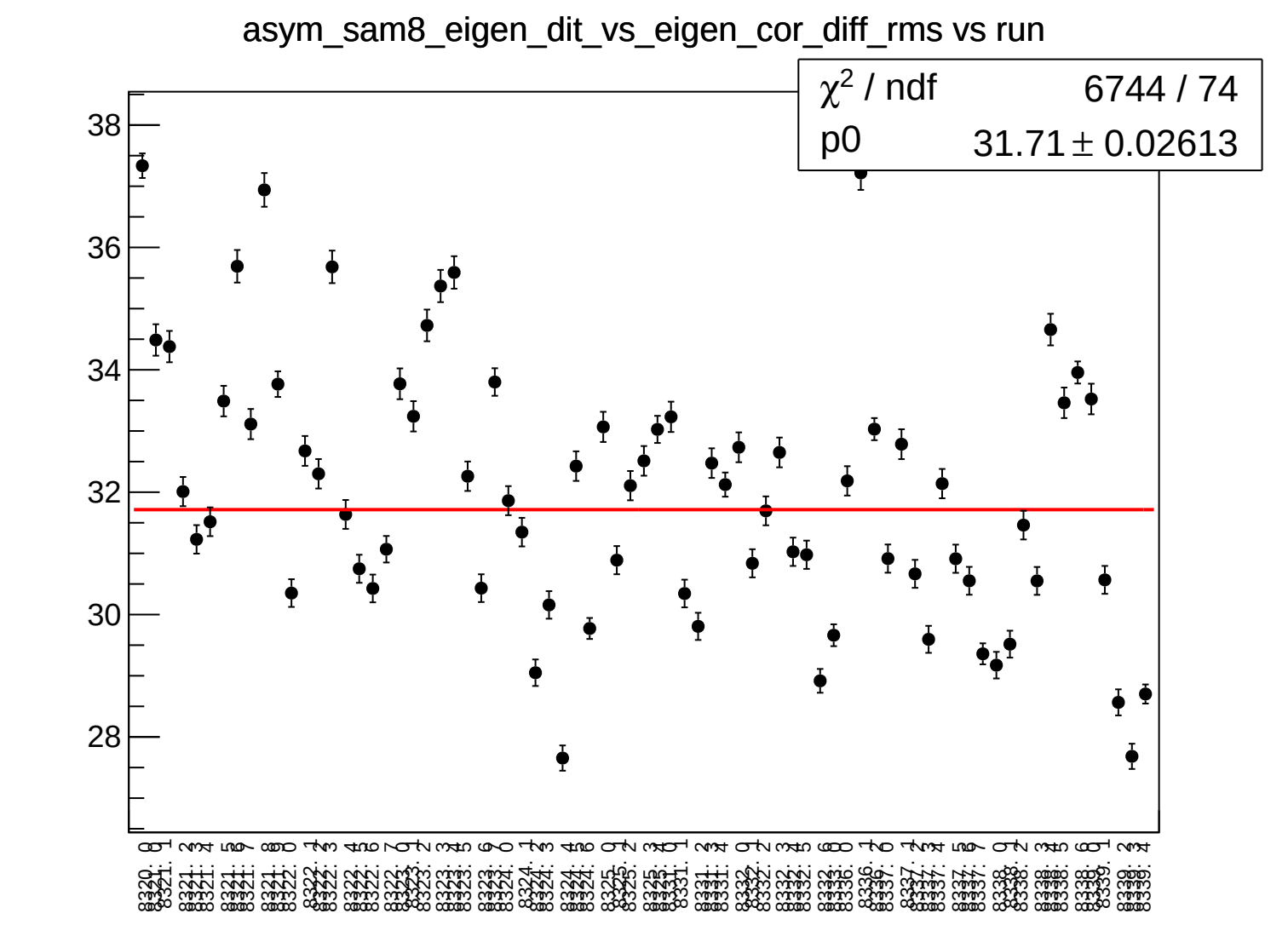

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.74 / 74
p0 −0.2181± 0.03695
pull
Entries 75
Mean 86.17
Std Dev 0

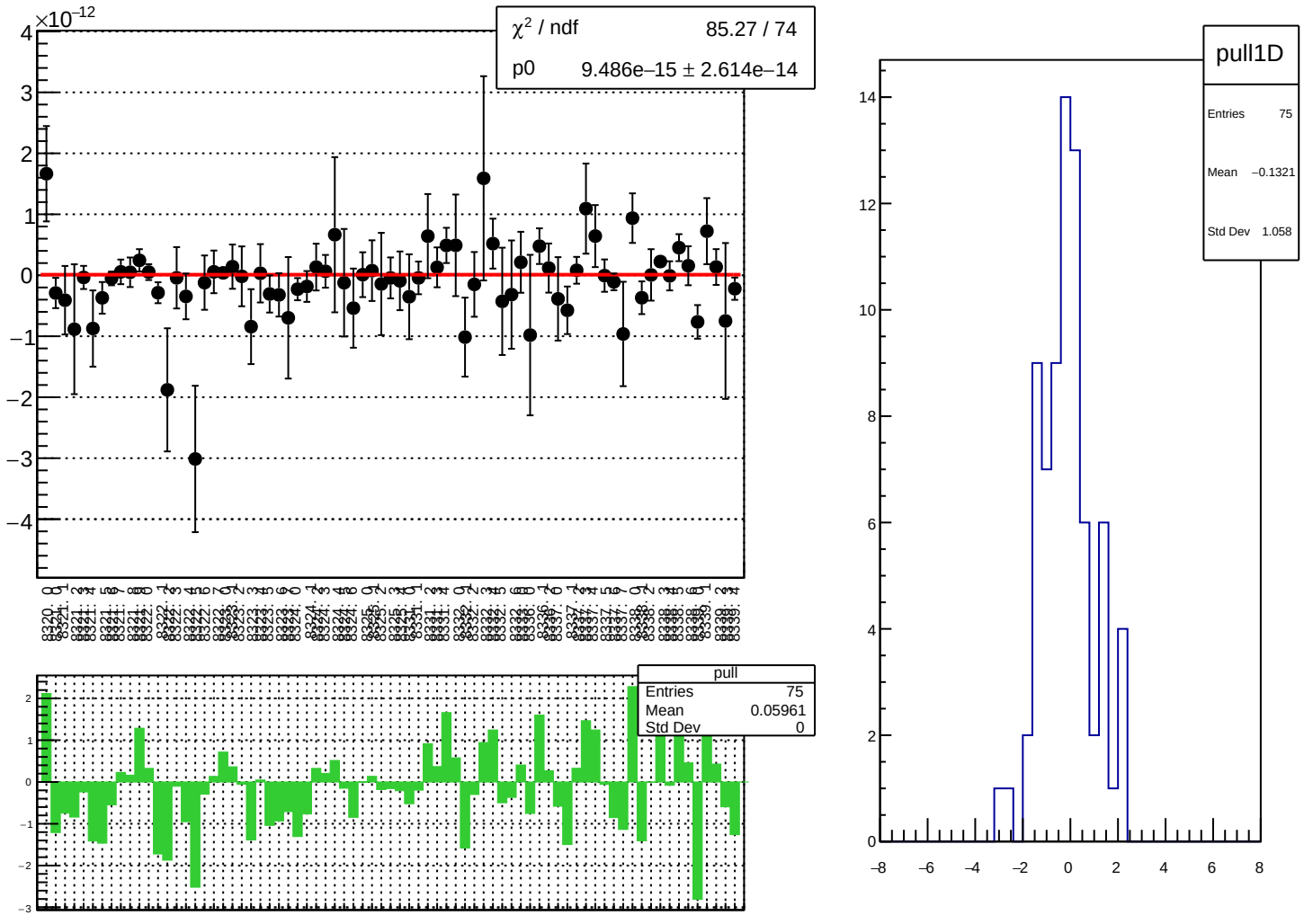

pull1D
Entries 75
Mean 0.01562
Std Dev 1.018

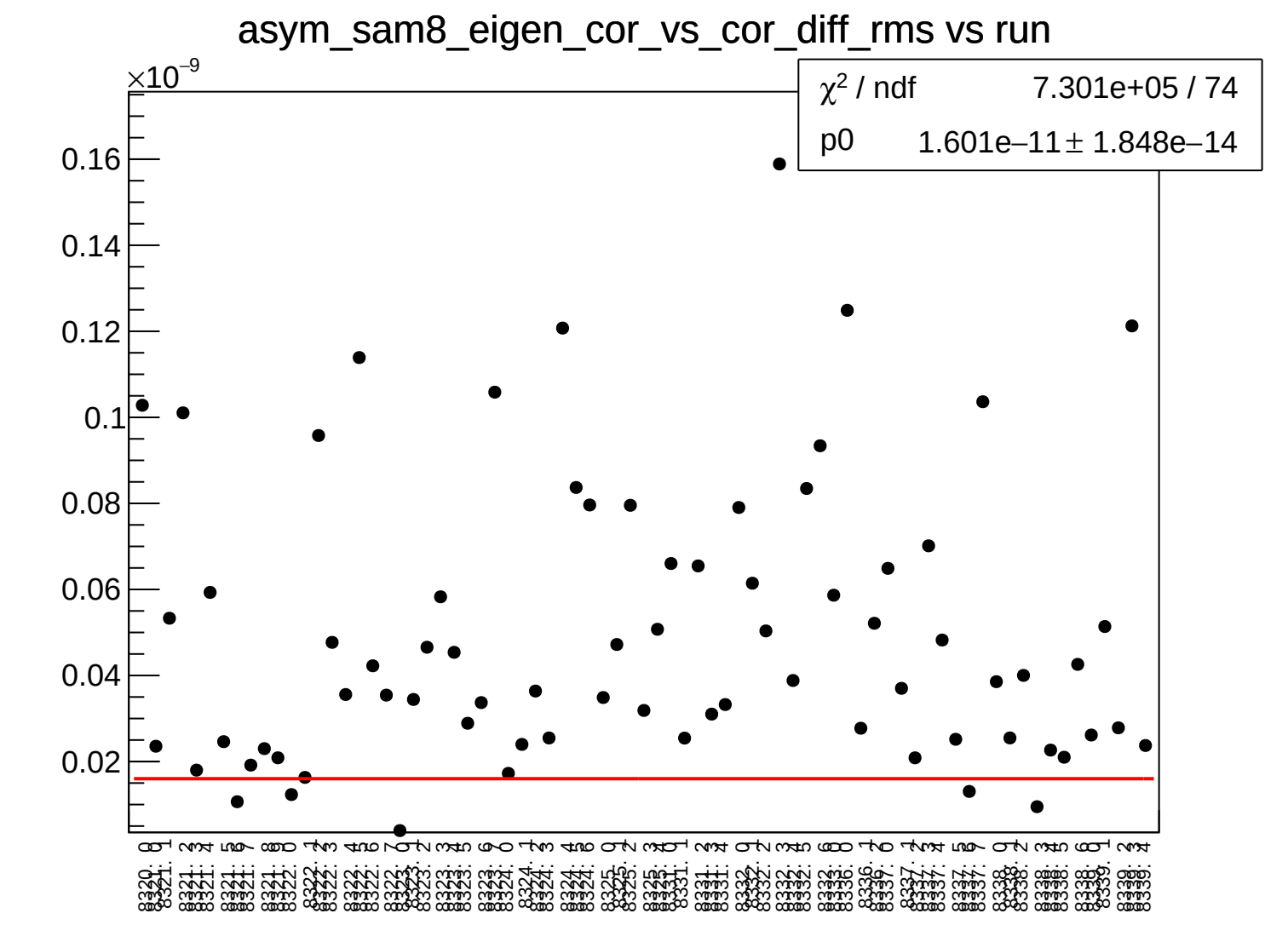

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6744 / 74
p0 31.71 ± 0.02613
38
36
34
32
30
28

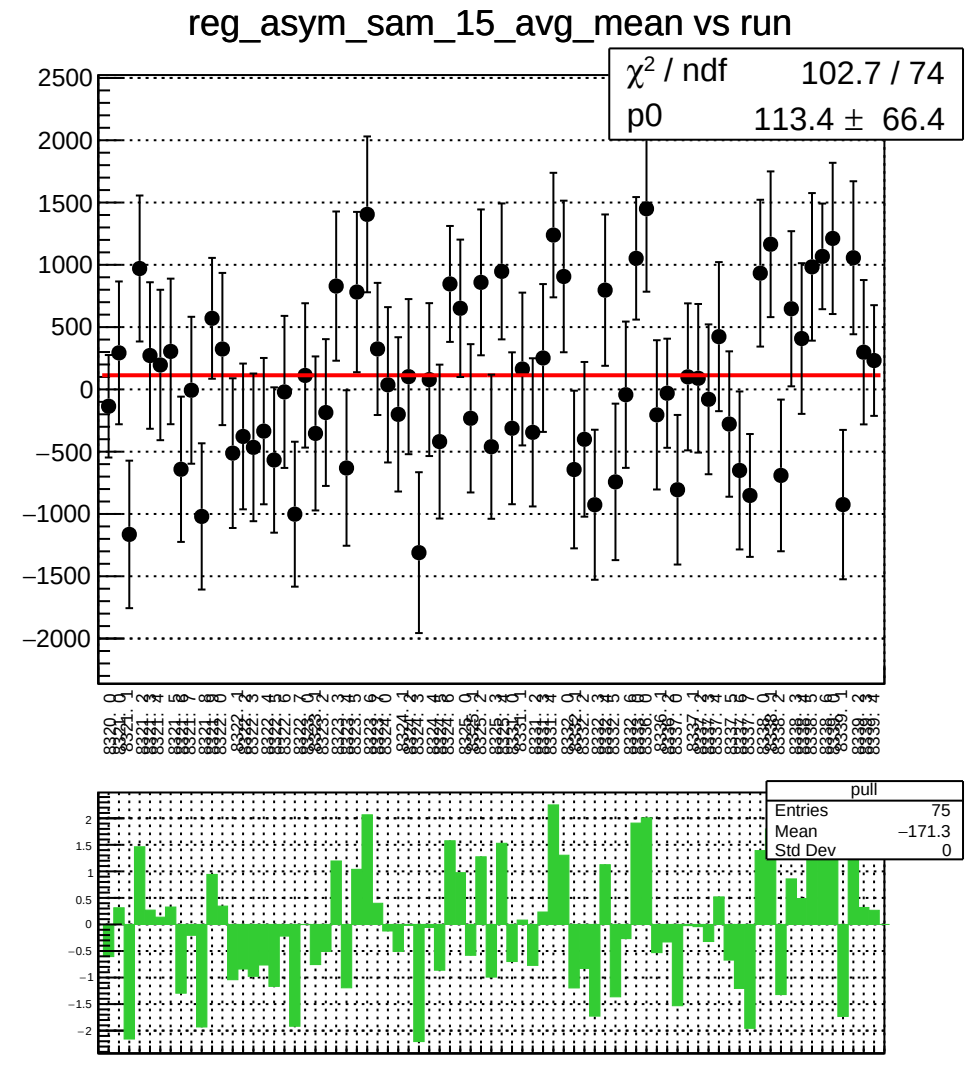

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.74 / 74
p0 −0.2181± 0.03695
pull
Entries 75
Mean 86.17
Std Dev 0

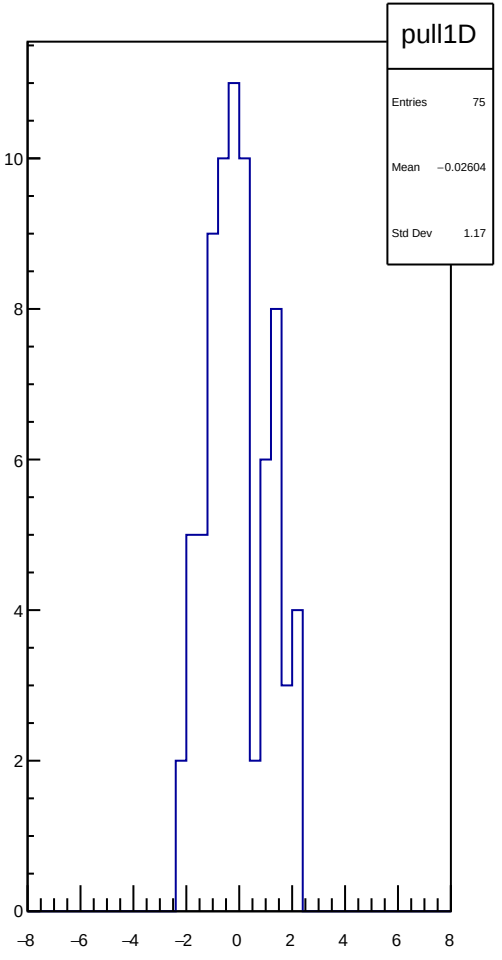

pull1D
Entries 75
Mean 0.01562
Std Dev 1.018

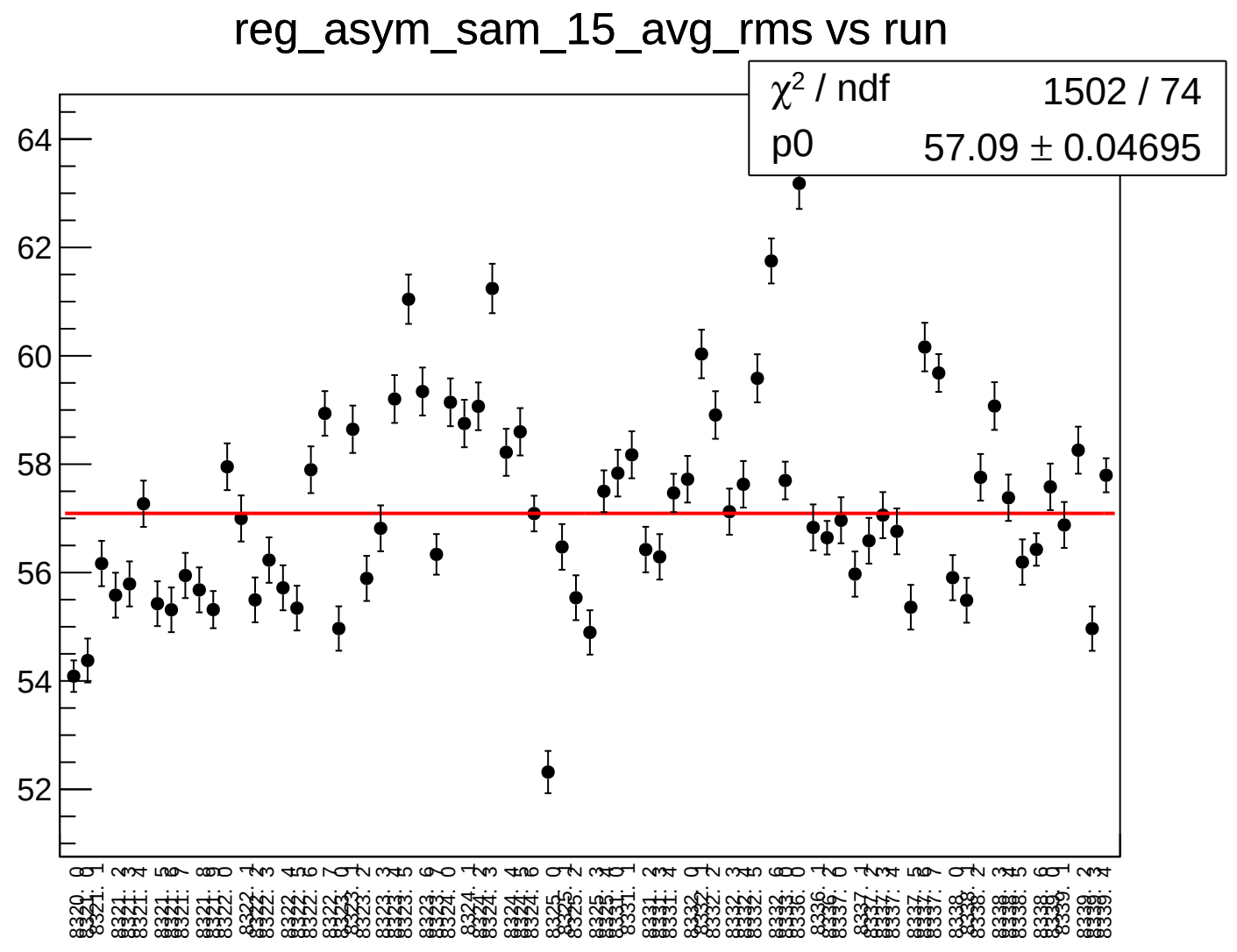

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6744 / 74
p0 31.71 ± 0.02613
38
36
34
32
30
28

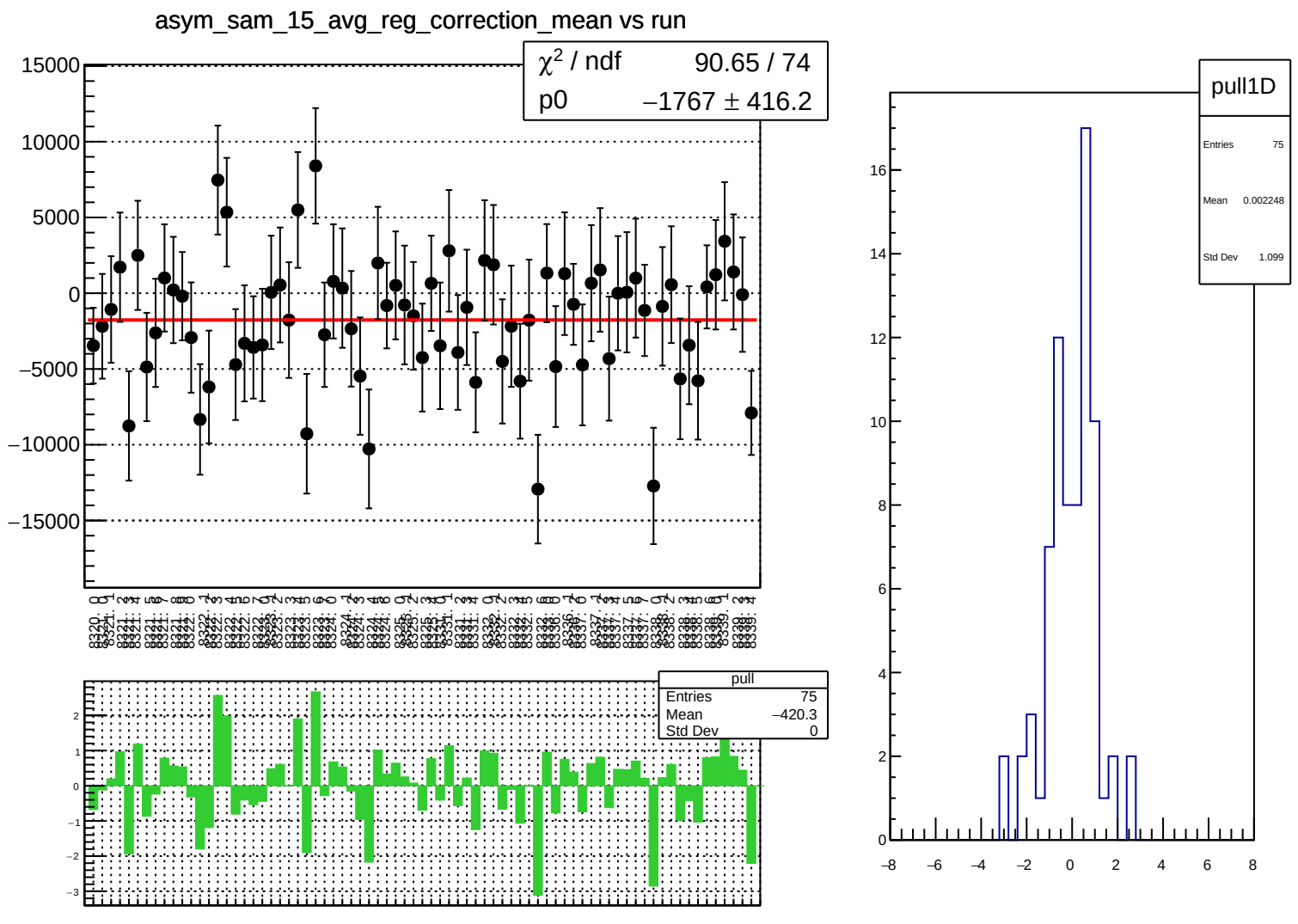

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.27 / 74
p0 9.486e−15 ± 2.614e−14
pull
Entries 75
Mean 0.05961
Std Dev 0
pull1D
Entries 75
Mean −0.1321
Std Dev 1.058

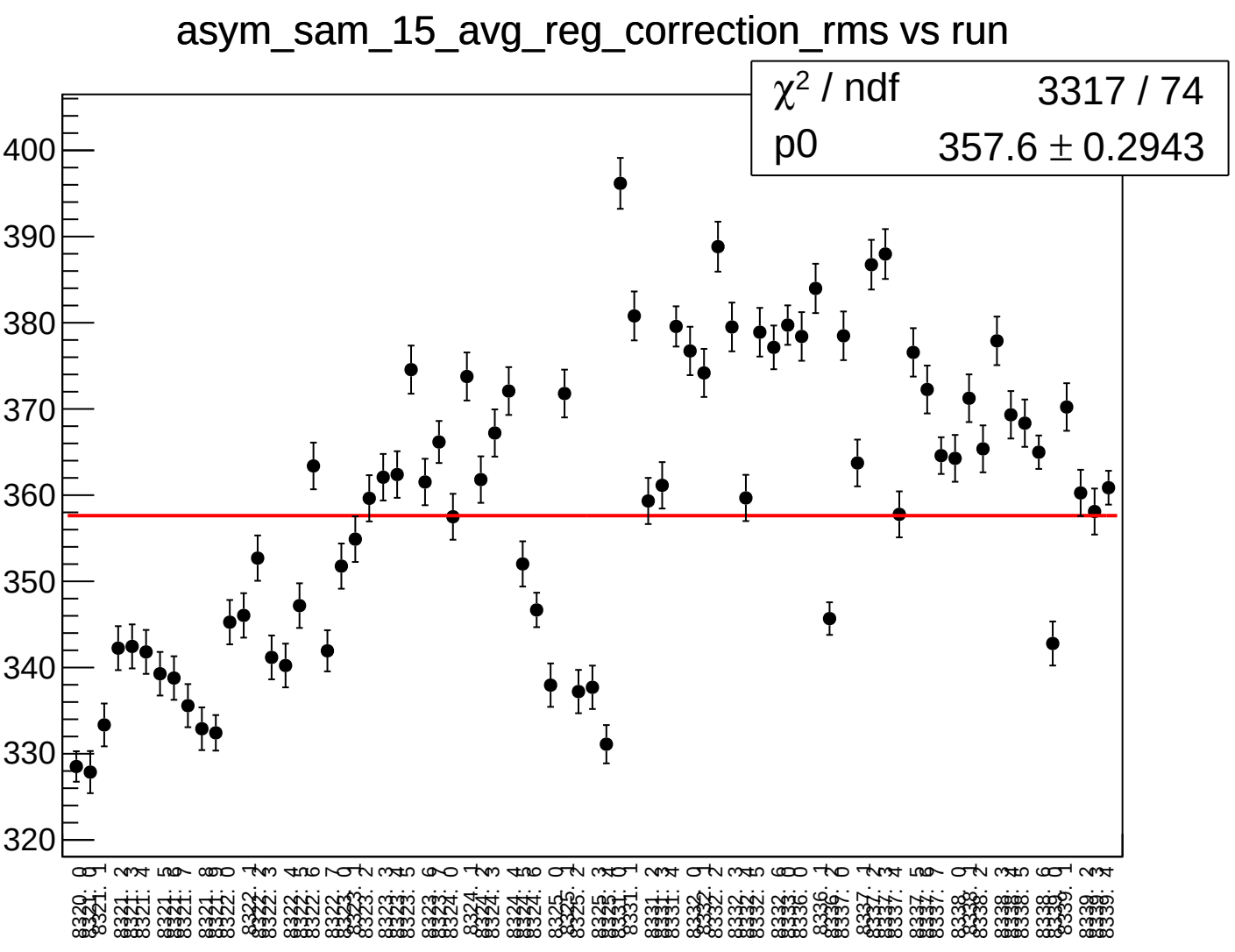

asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 7.301e+05 / 74
p0 1.601e−11 ± 1.848e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

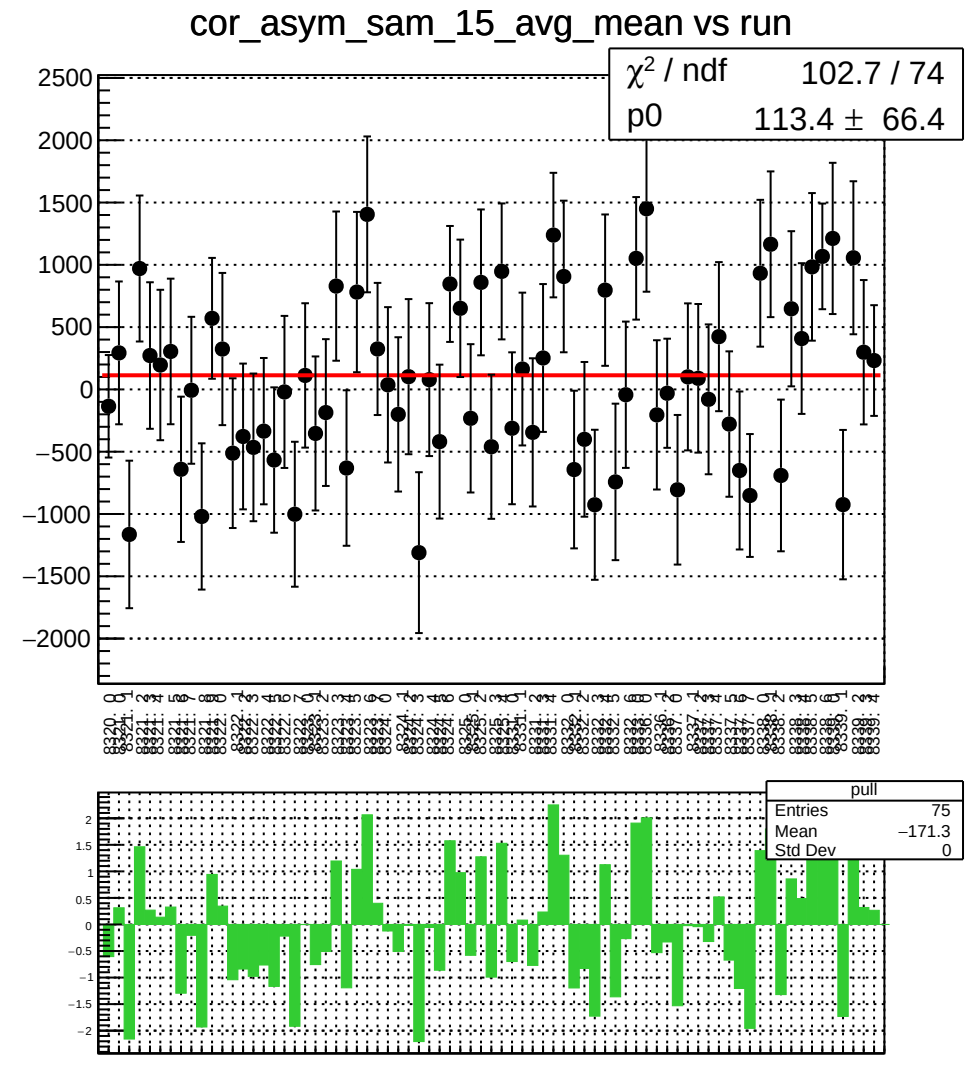

reg_asym_sam_15_avg_mean vs run
χ² / ndf 102.7 / 74
p0 113.4 ± 66.4
pull
Entries 75
Mean −171.3
Std Dev 0

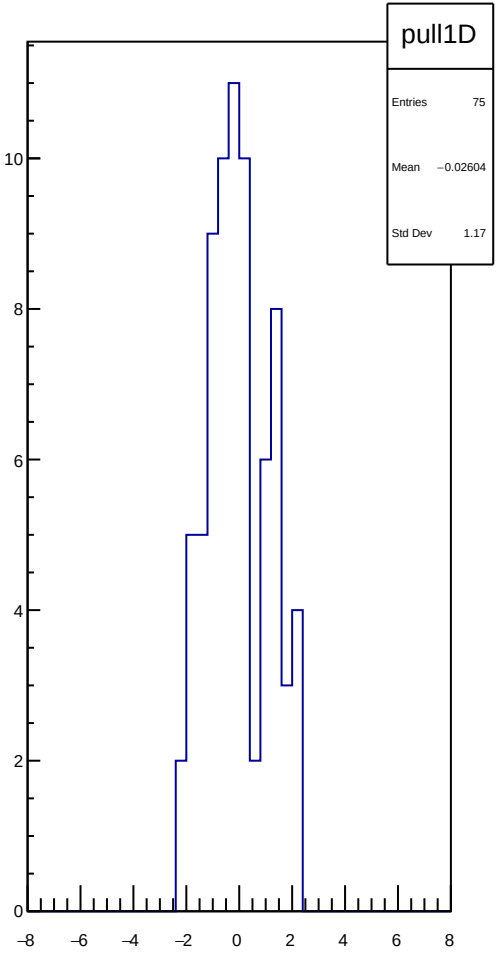

pull1D
Entries 75
Mean −0.02604
Std Dev 1.17

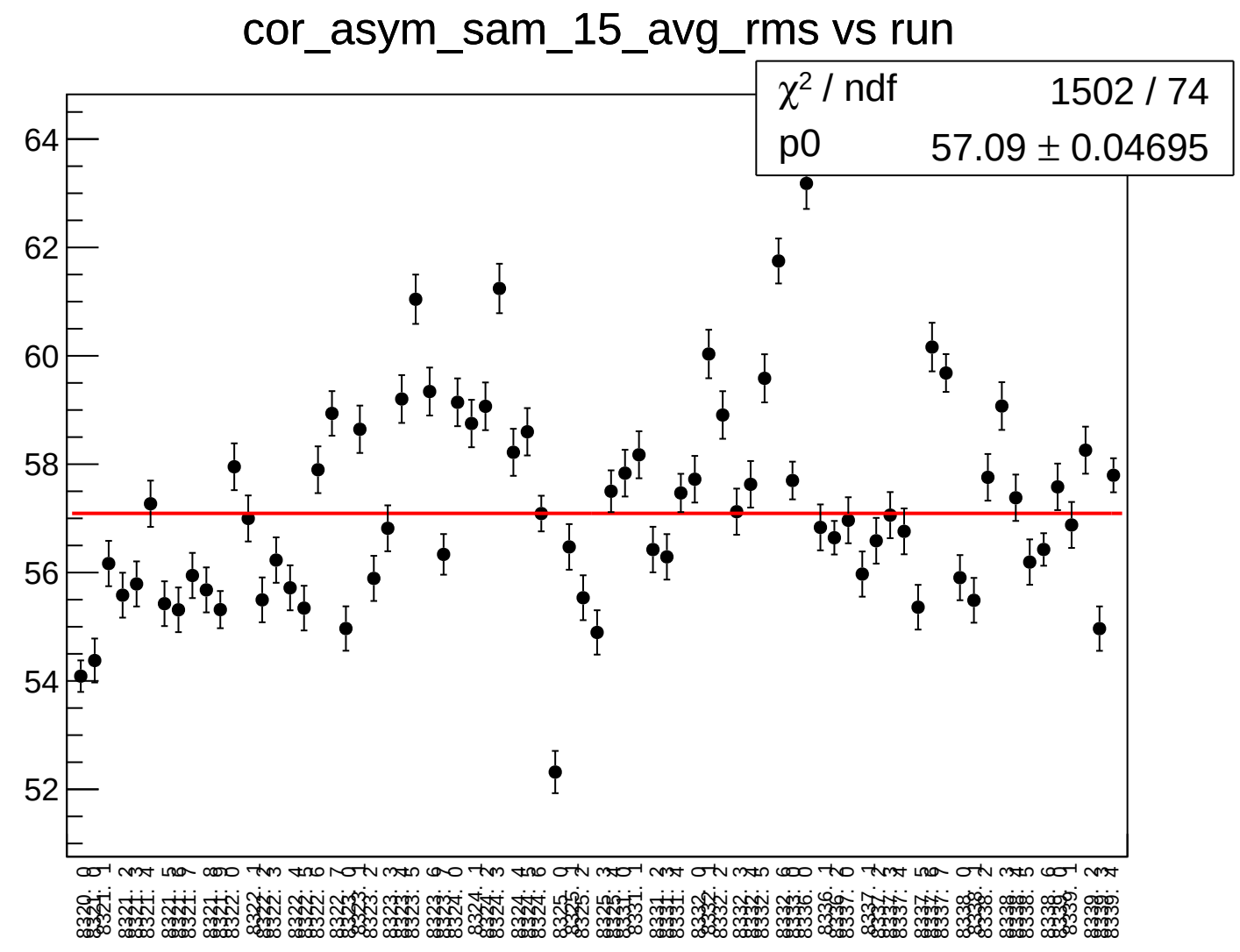

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1502 / 74
p0 57.09 ± 0.04695
64
62
60
58
56
54
52

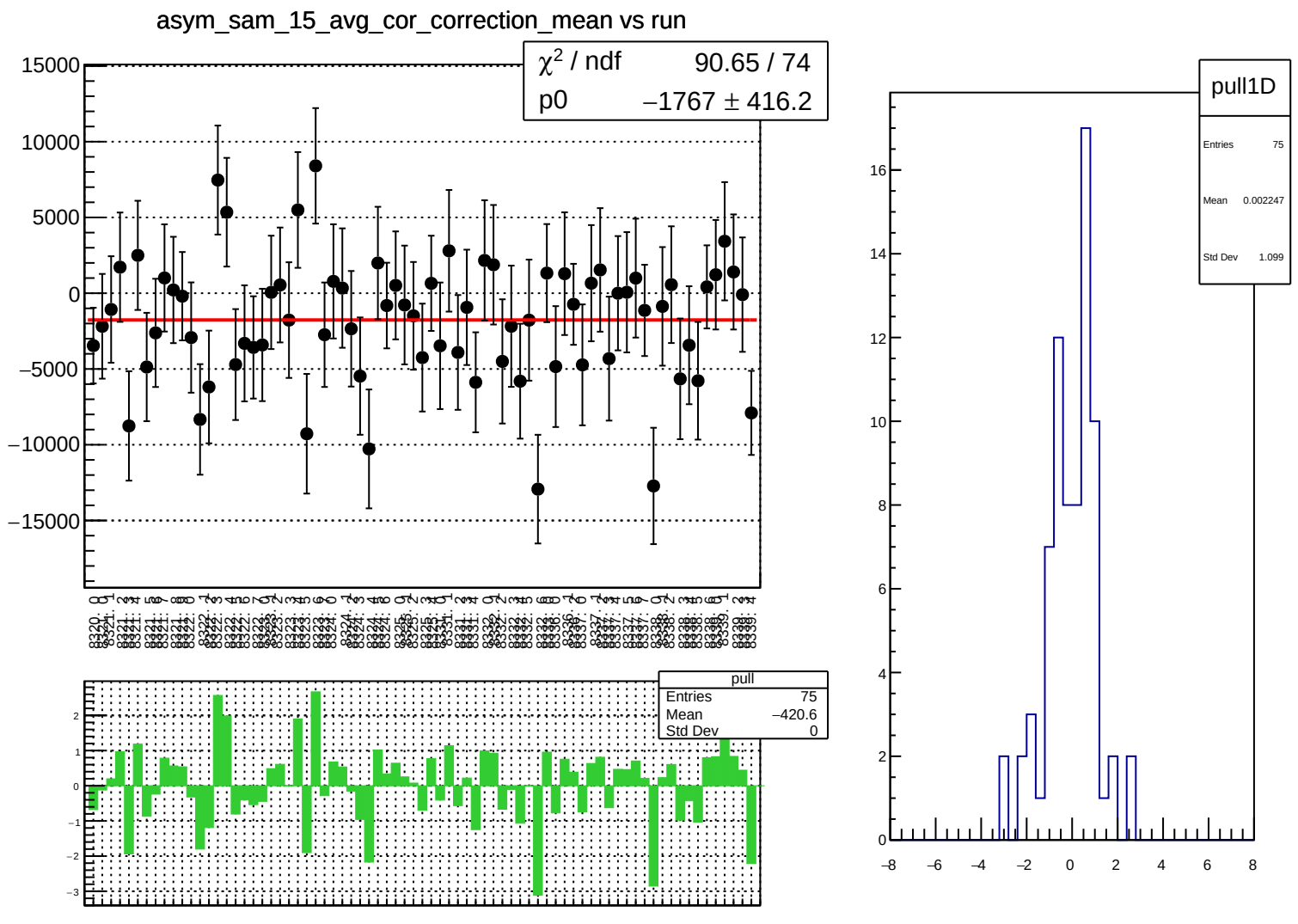

asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 90.65 / 74
p0 −1767 ± 416.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean −420.3
Std Dev 0
pull1D
Entries 75
Mean 0.002248
Std Dev 1.099

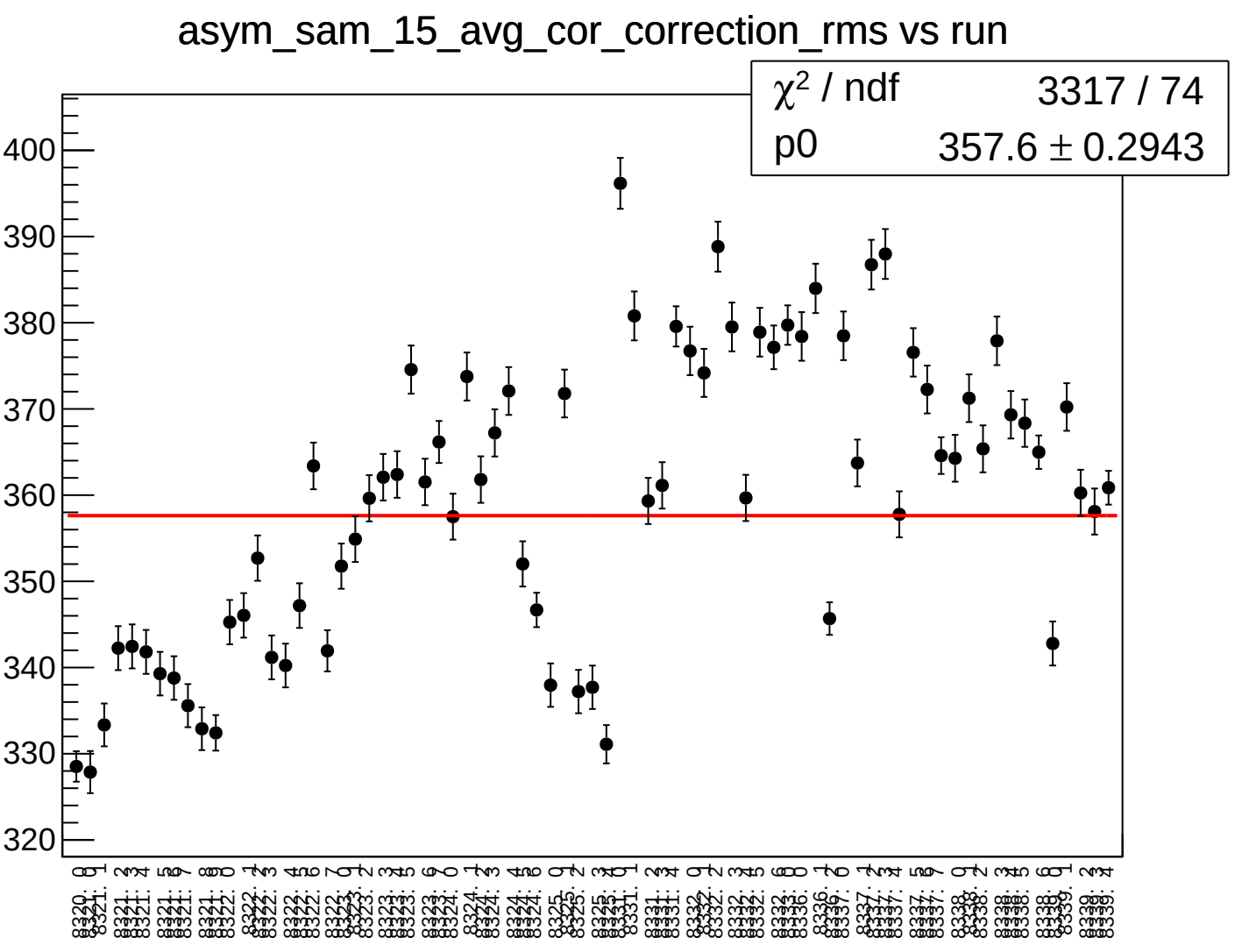

asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 3317 / 74
p0 357.6 ± 0.2943
400
390
380
370
360
350
340
330
320

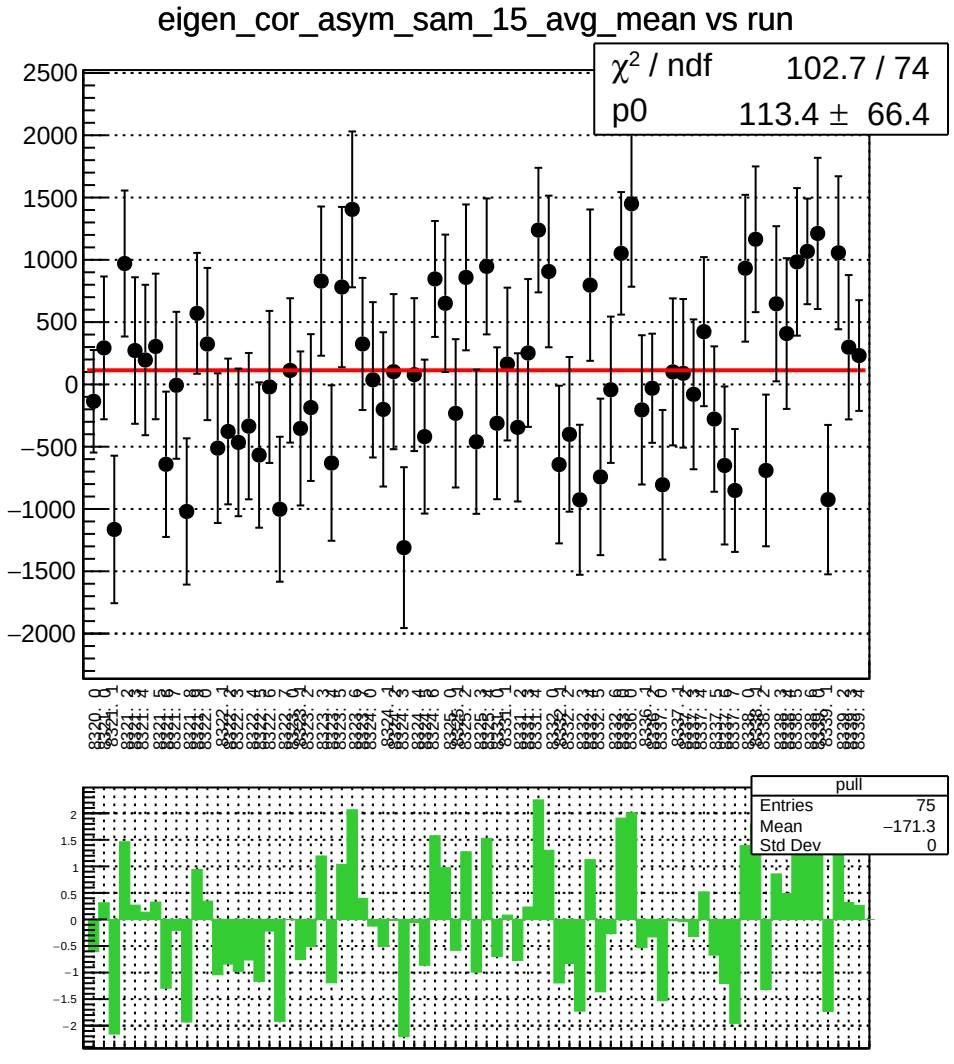

cor_asym_sam_15_avg_mean vs run
χ² / ndf 102.7 / 74
p0 113.4 ± 66.4
pull
Entries 75
Mean −171.3
Std Dev 0

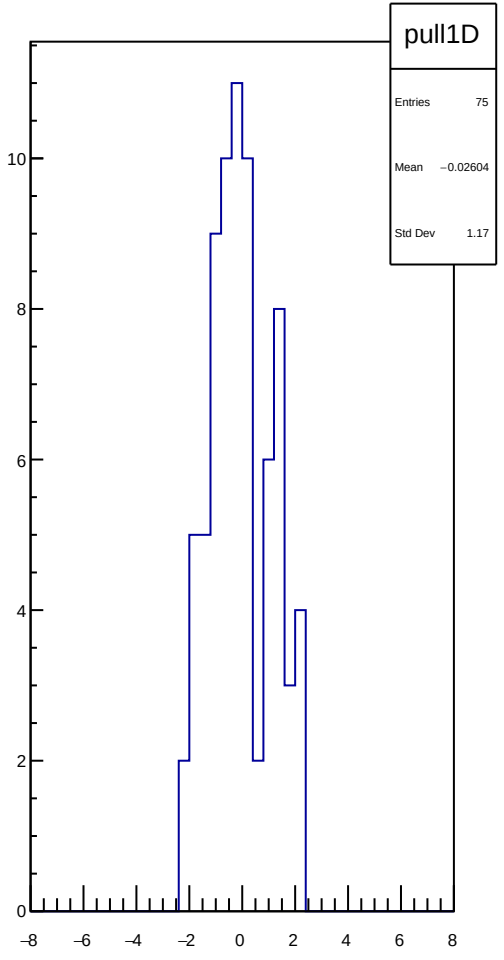

pull1D
Entries 75
Mean −0.02604
Std Dev 1.17

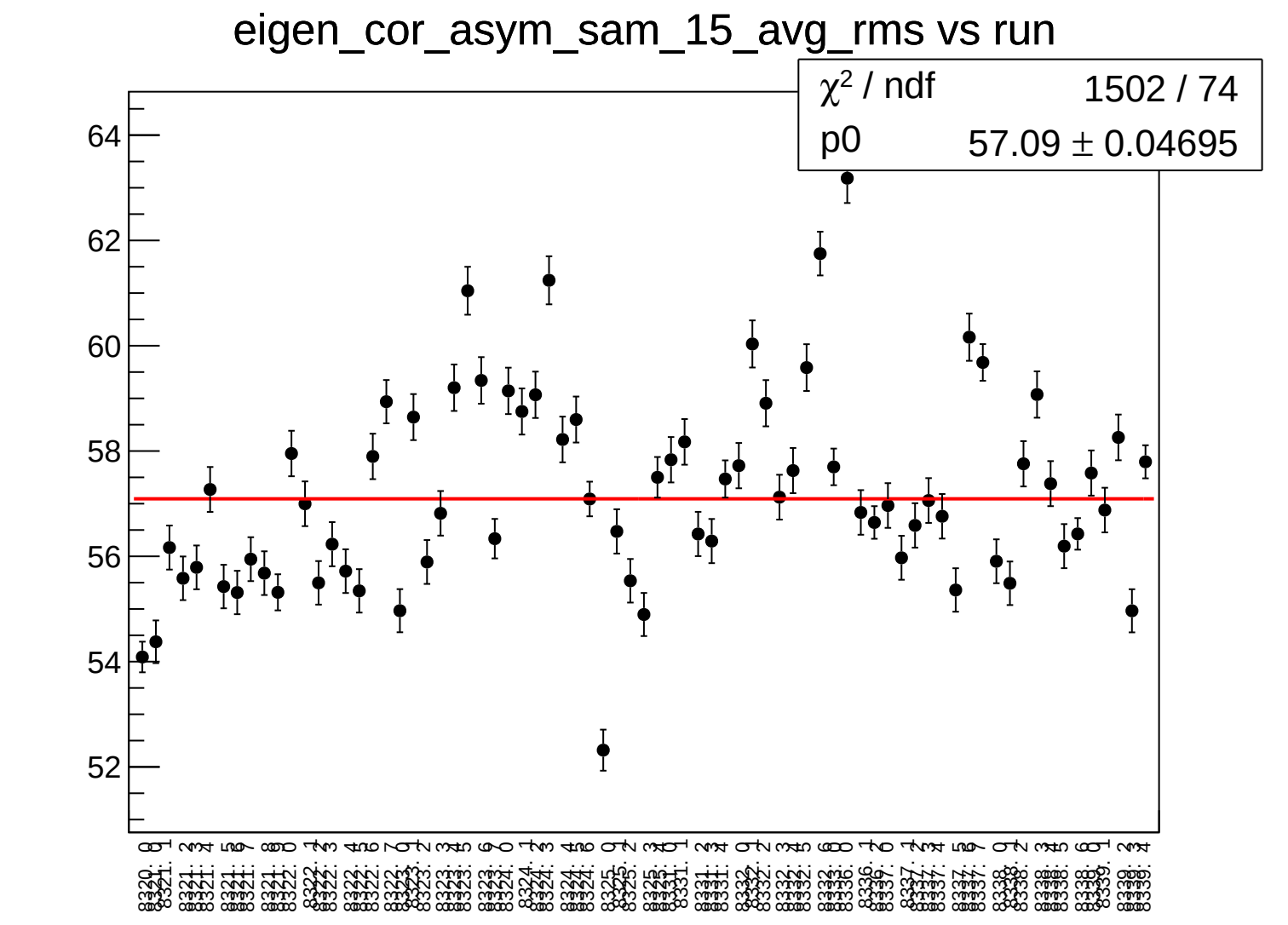

cor_asym_sam_15_avg_rms vs run
χ² / ndf 1502 / 74
p0 57.09 ± 0.04695
64
62
60
58
56
54
52

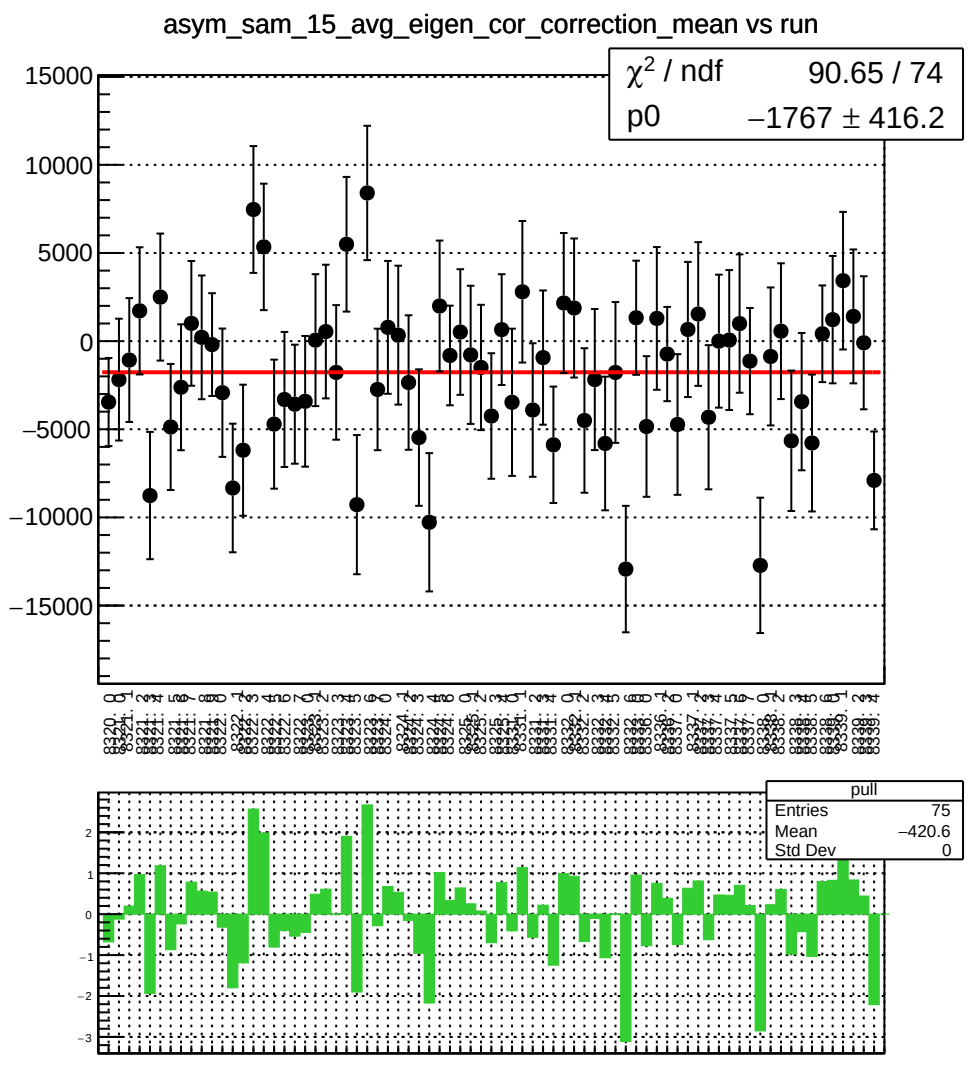

asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 90.65 / 74
p0 −1767 ± 416.2
pull
Entries 75
Mean −420.6
Std Dev 0
pull1D
Entries 75
Mean 0.002247
Std Dev 1.099

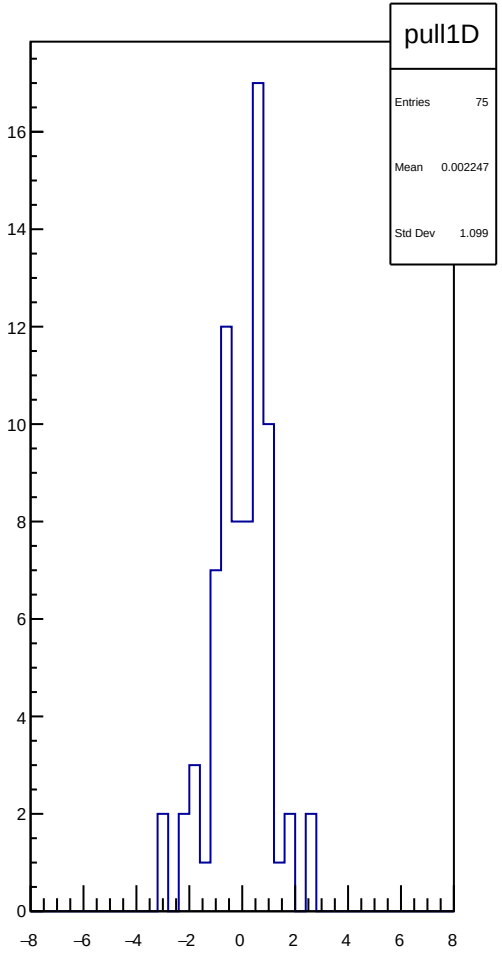

asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 3317 / 74
p0 357.6 ± 0.2943
400
390
380
370
360
350
340
330
320

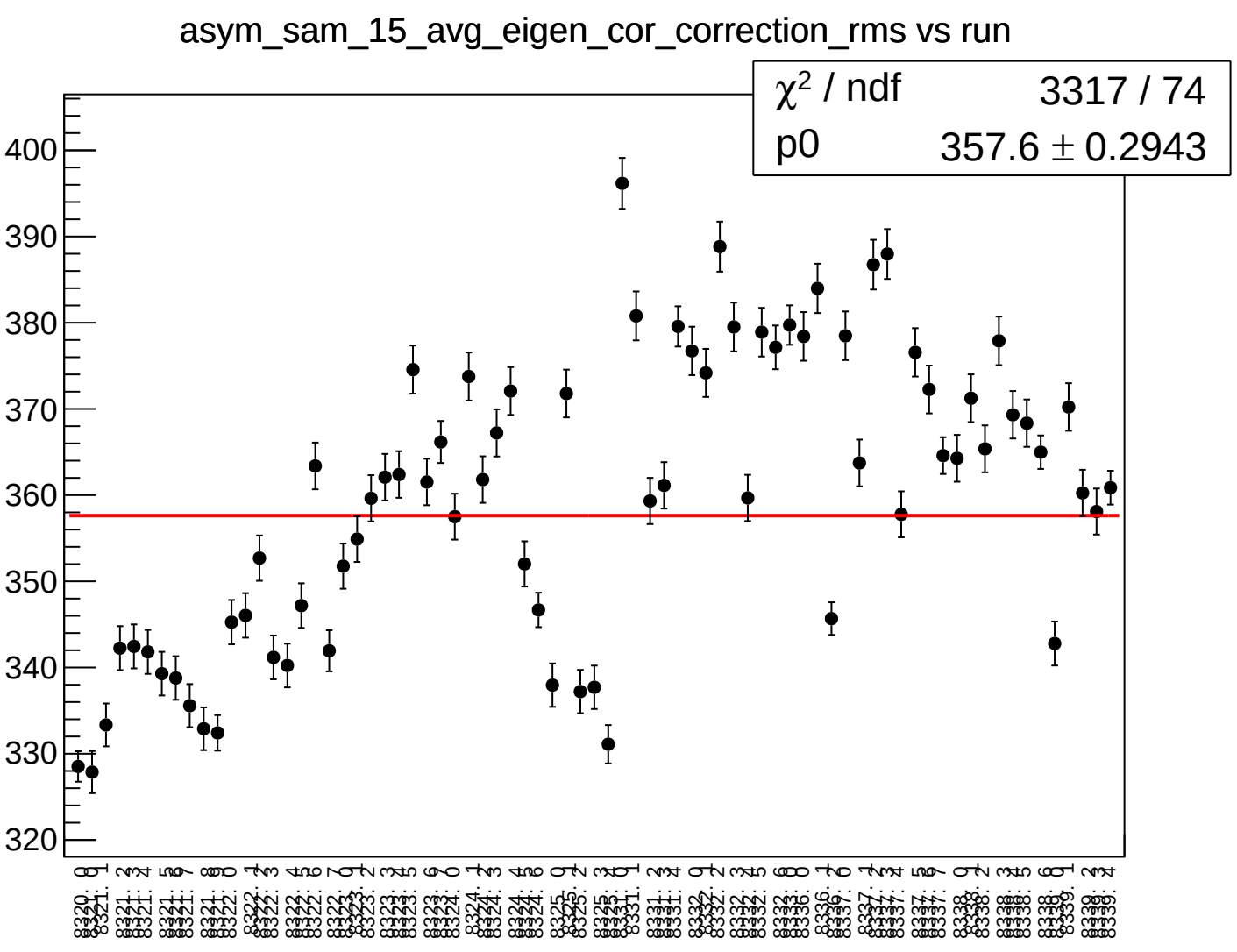

eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 102.7 / 74
p0 113.4 ± 66.4
pull
Entries 75
Mean −171.3
Std Dev 0

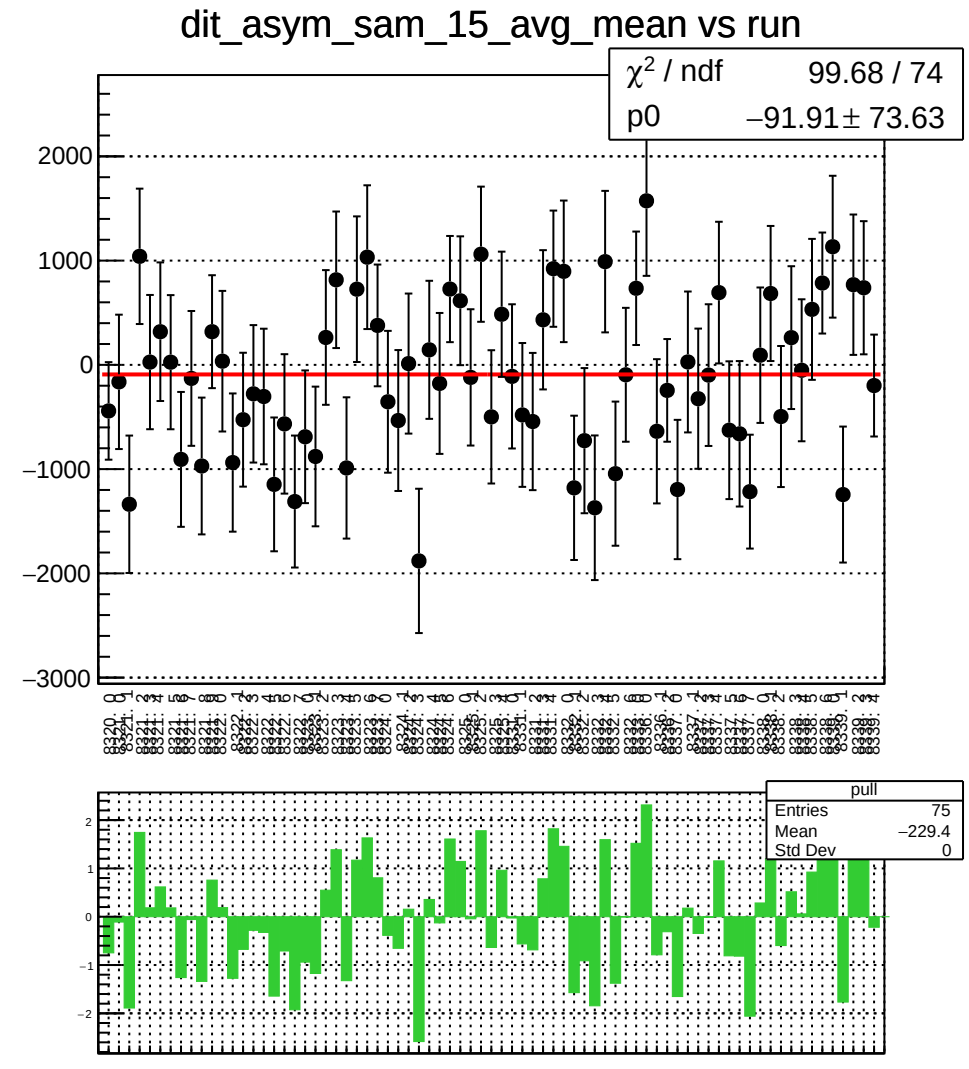

pull1D
Entries 75
Mean −0.02604
Std Dev 1.17

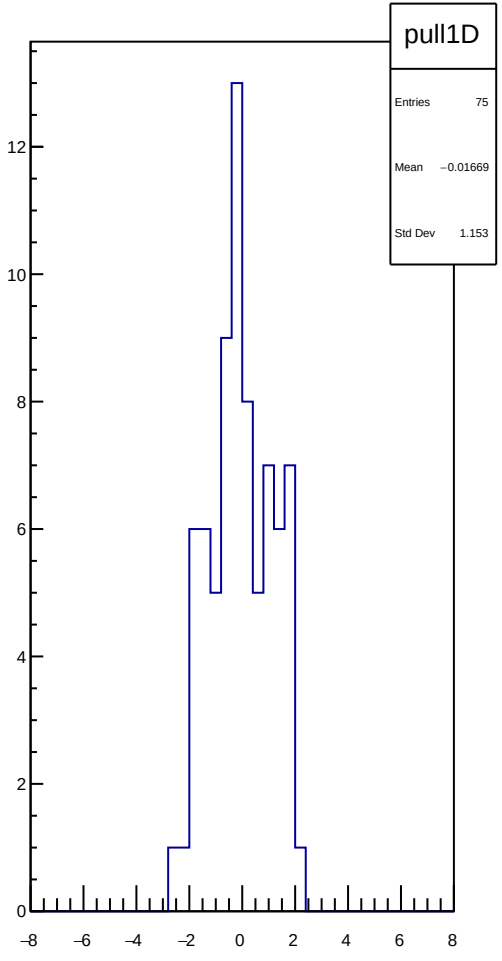

eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 1502 / 74
p0 57.09 ± 0.04695
64
62
60
58
56
54
52

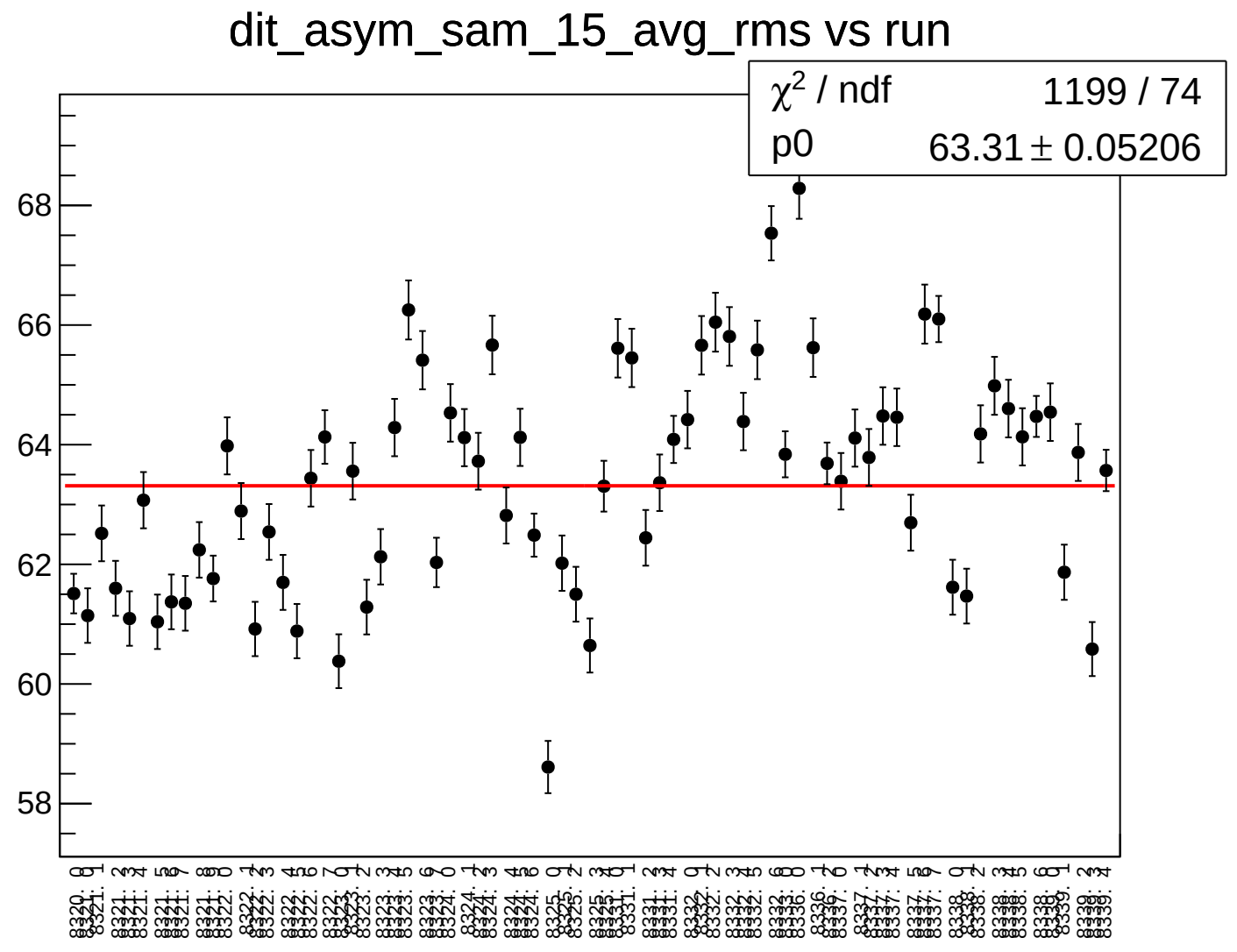

asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 90.65 / 74
p0 −1767 ± 416.2
pull
Entries 75
Mean −420.6
Std Dev 0

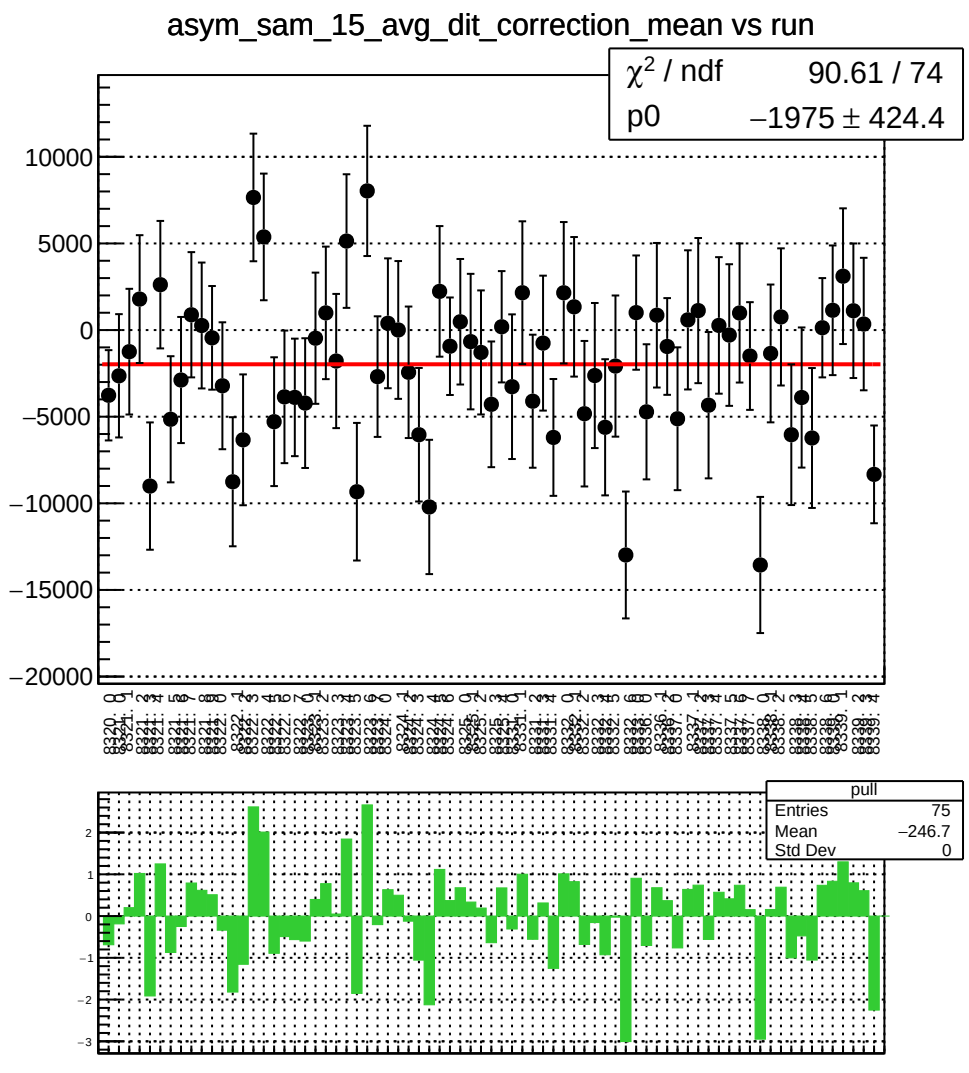

pull1D
Entries 75
Mean 0.002247
Std Dev 1.099

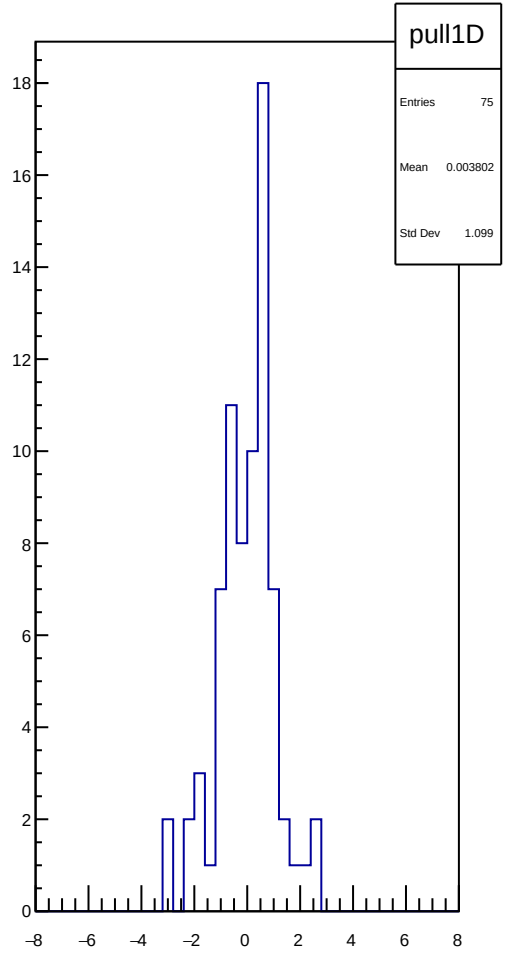

asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 3317 / 74
p0 357.6 ± 0.2943
400
390
380
370
360
350
340
330
320

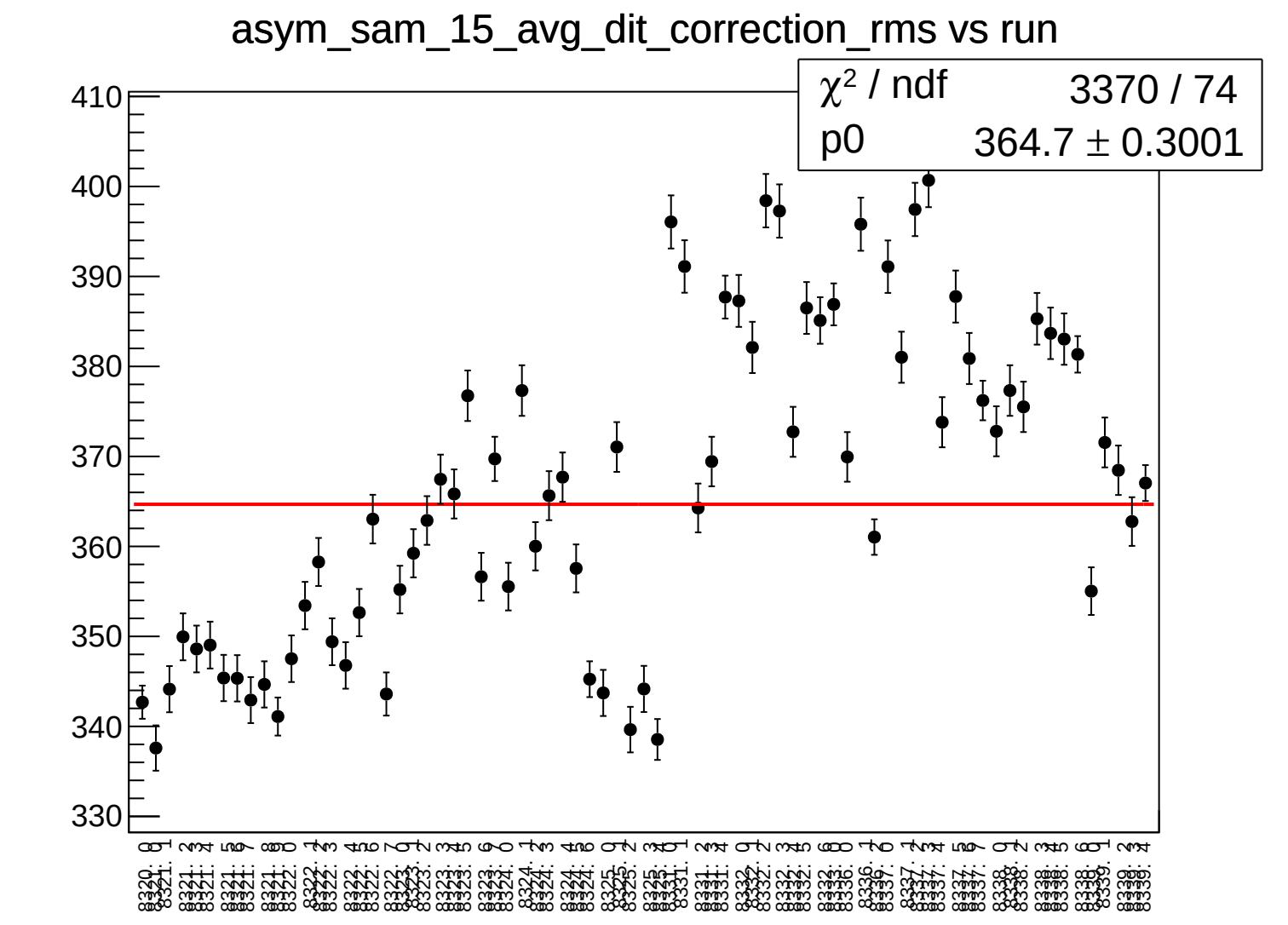

dit_asym_sam_15_avg_mean vs run
χ² / ndf 99.68 / 74
p0 −91.91± 73.63
pull
Entries 75
Mean −229.4
Std Dev 0

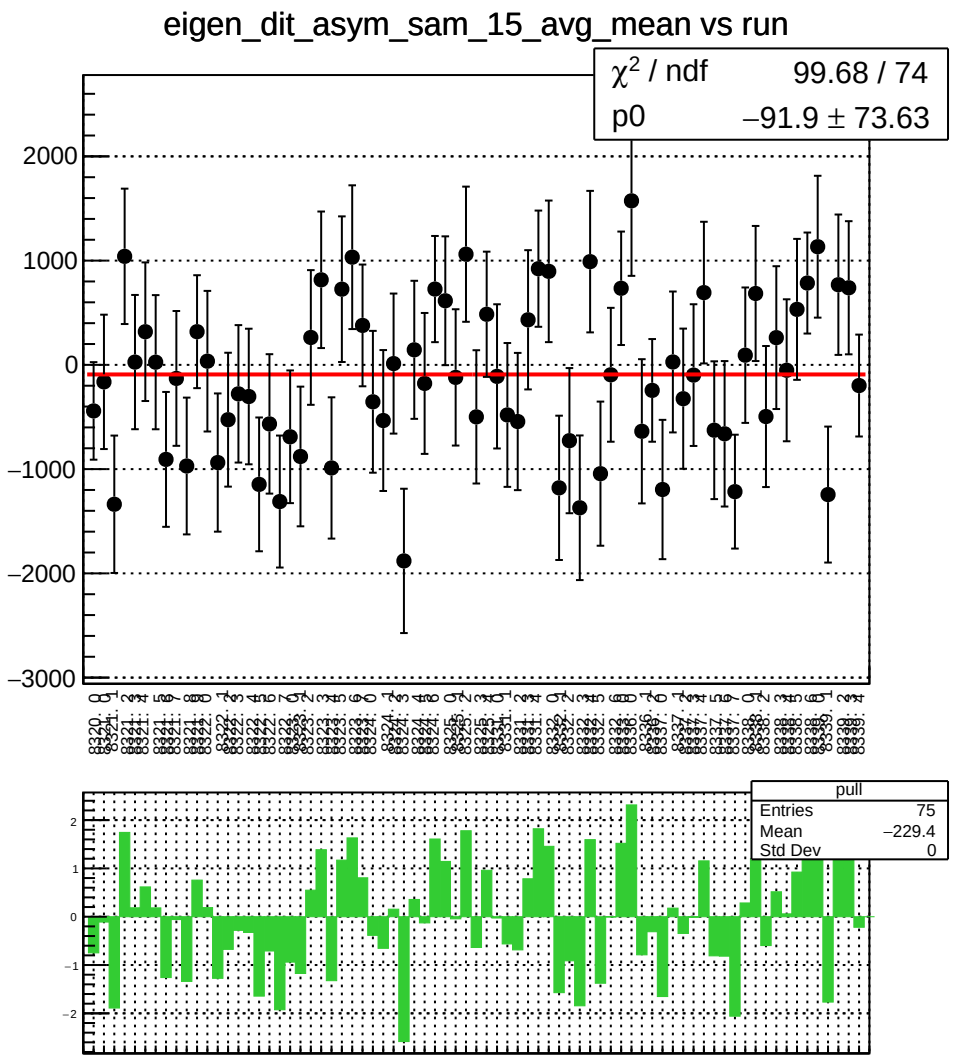

pull1D
Entries 75
Mean −0.01669
Std Dev 1.153

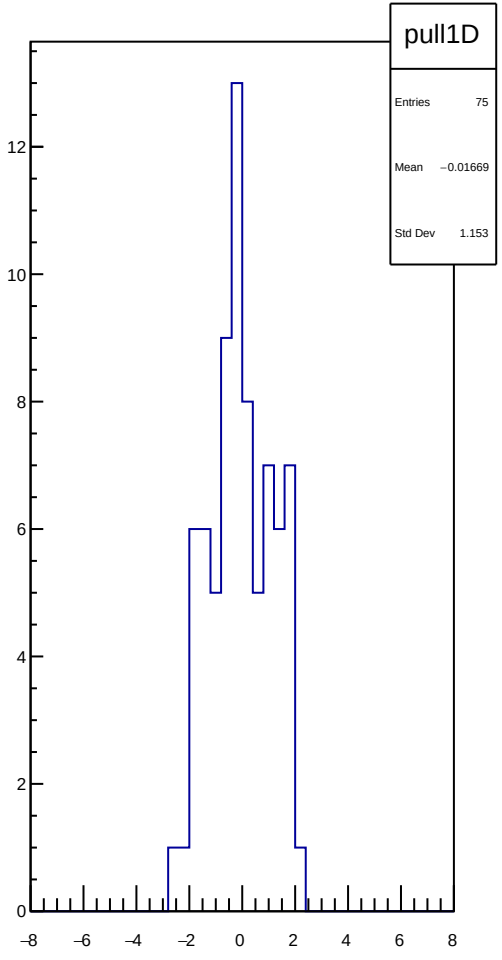

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1199 / 74
p0 63.31 ± 0.05206
68
66
64
62
60
58

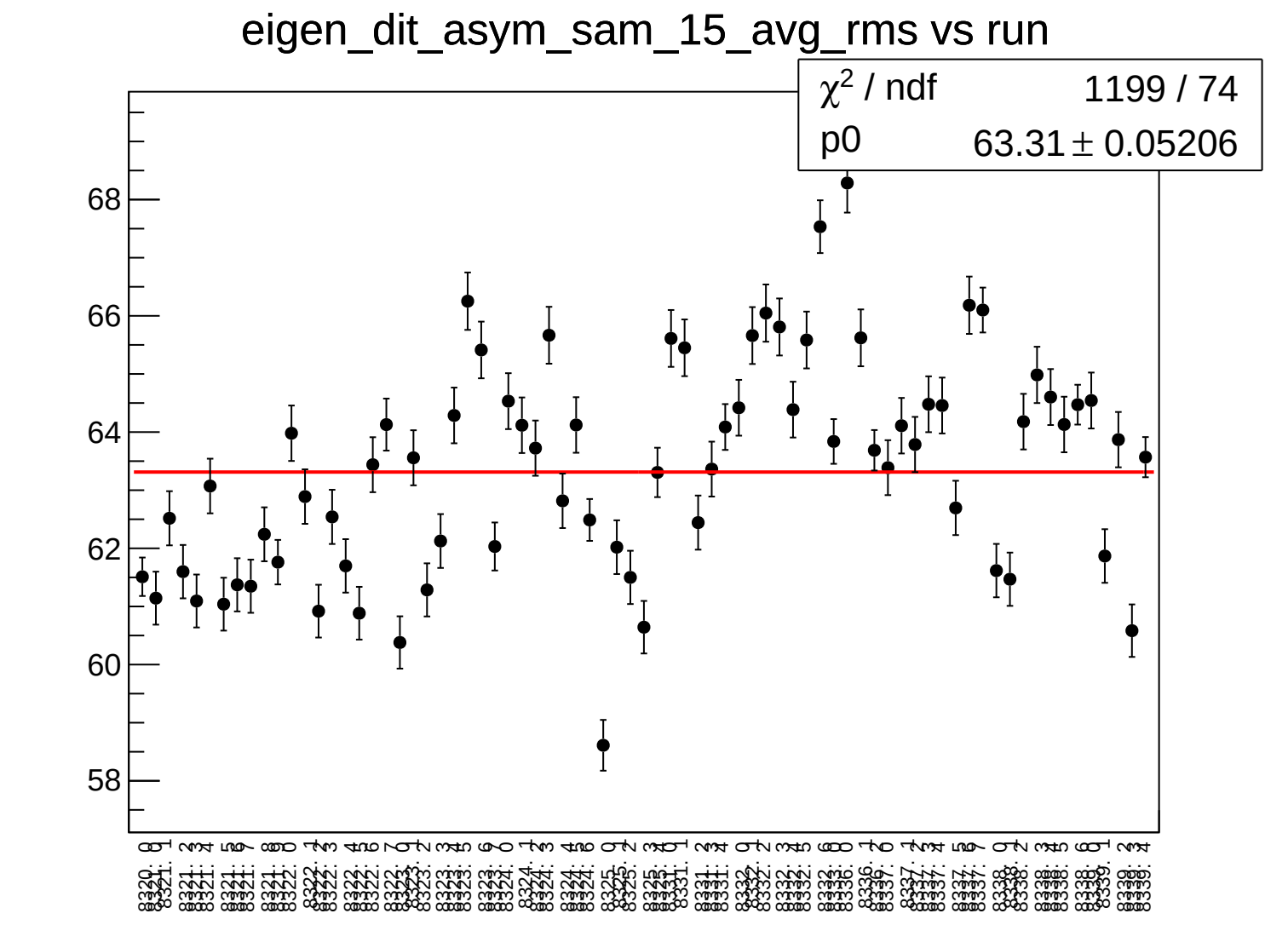

asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 90.61 / 74
p0 −1975 ± 424.4
pull
Entries 75
Mean −246.7
Std Dev 0

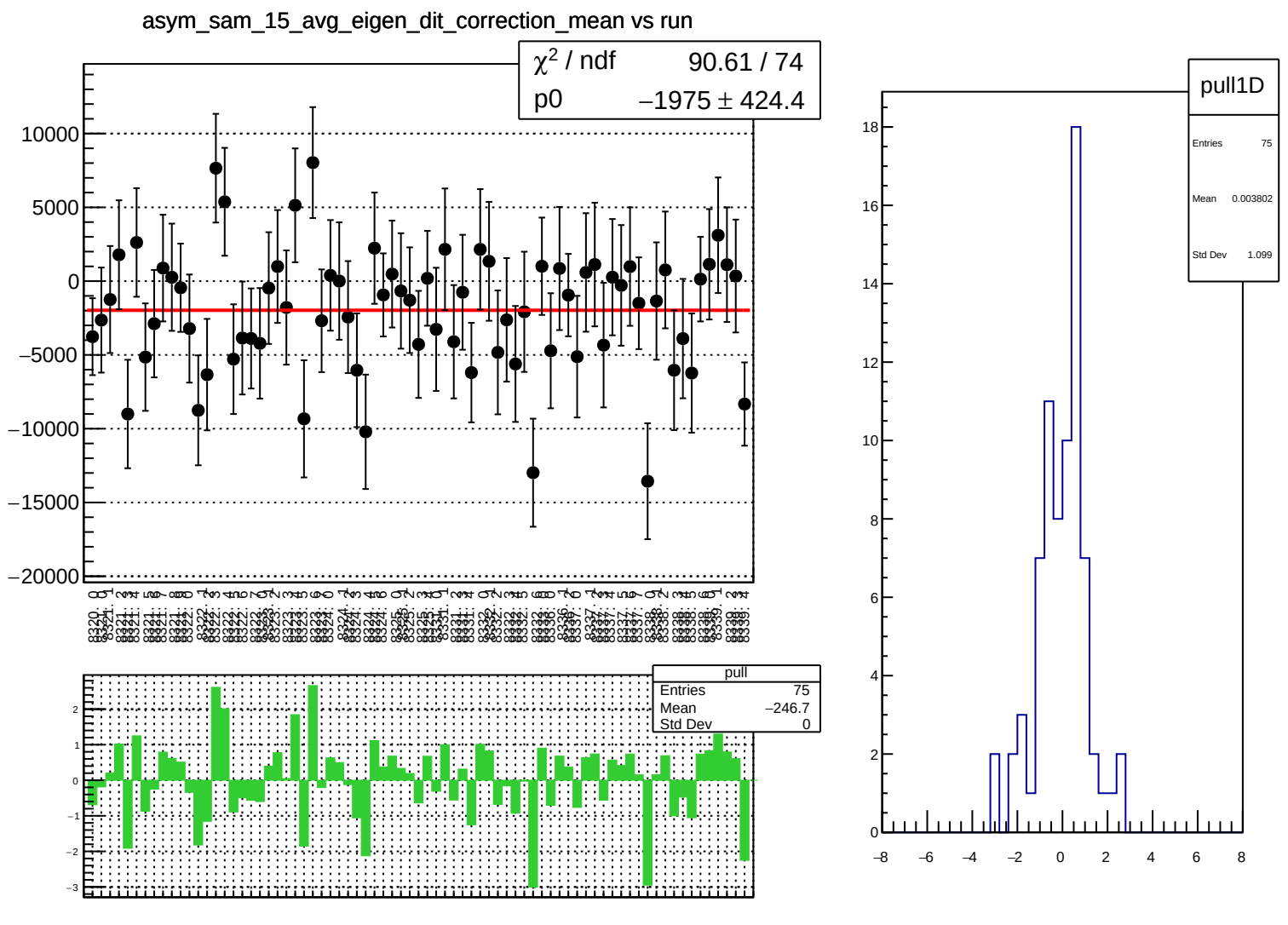

pull1D
Entries 75
Mean 0.003802
Std Dev 1.099

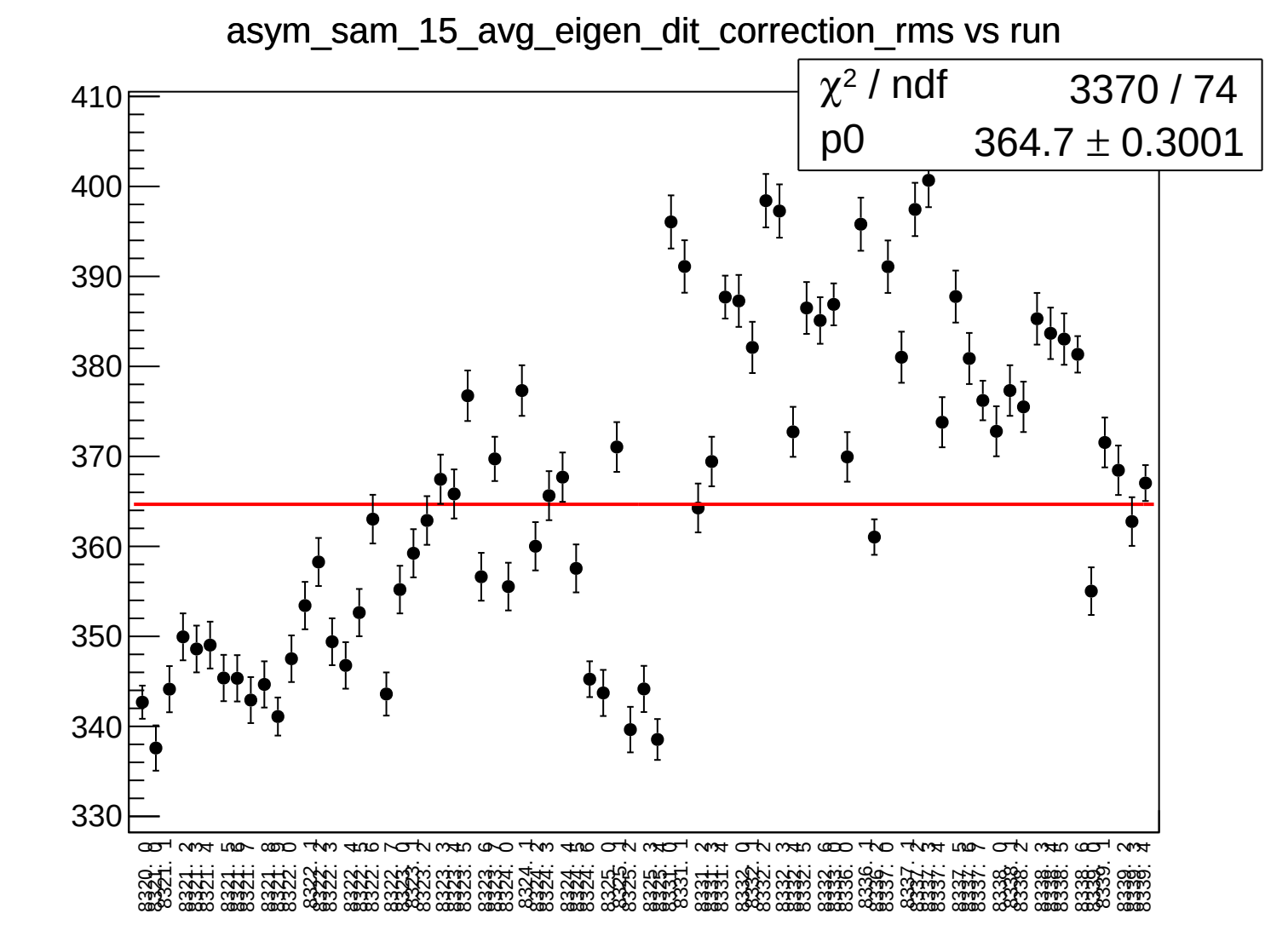

asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 3370 / 74
p0 364.7 ± 0.3001
410
400
390
380
370
360
350
340
330

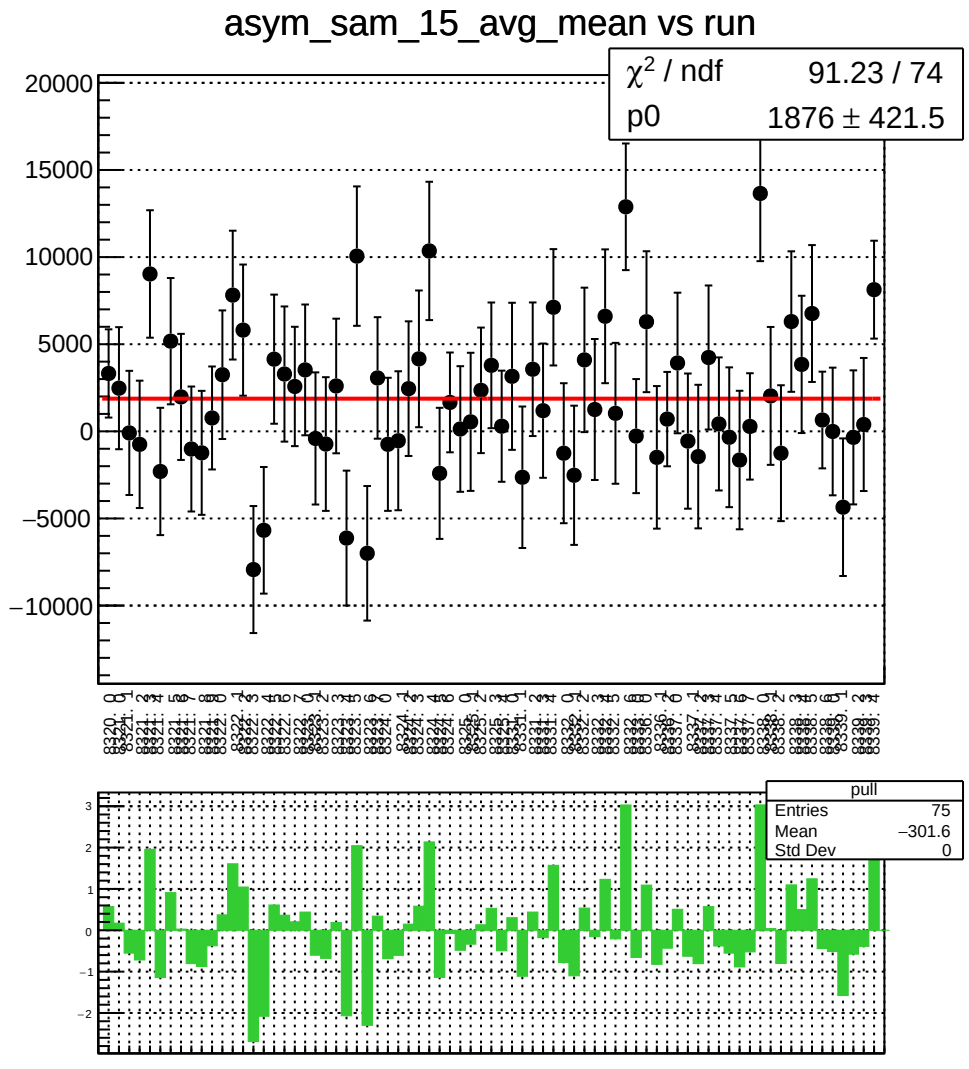

eigen_dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 99.68 / 74
p0 −91.9 ± 73.63
pull
Entries 75
Mean −229.4
Std Dev 0

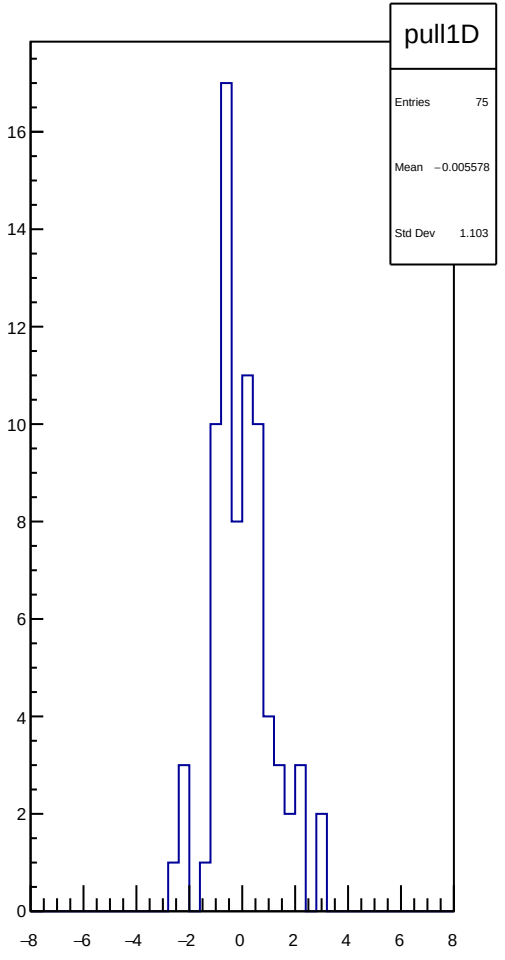

pull1D
Entries 75
Mean −0.01669
Std Dev 1.153

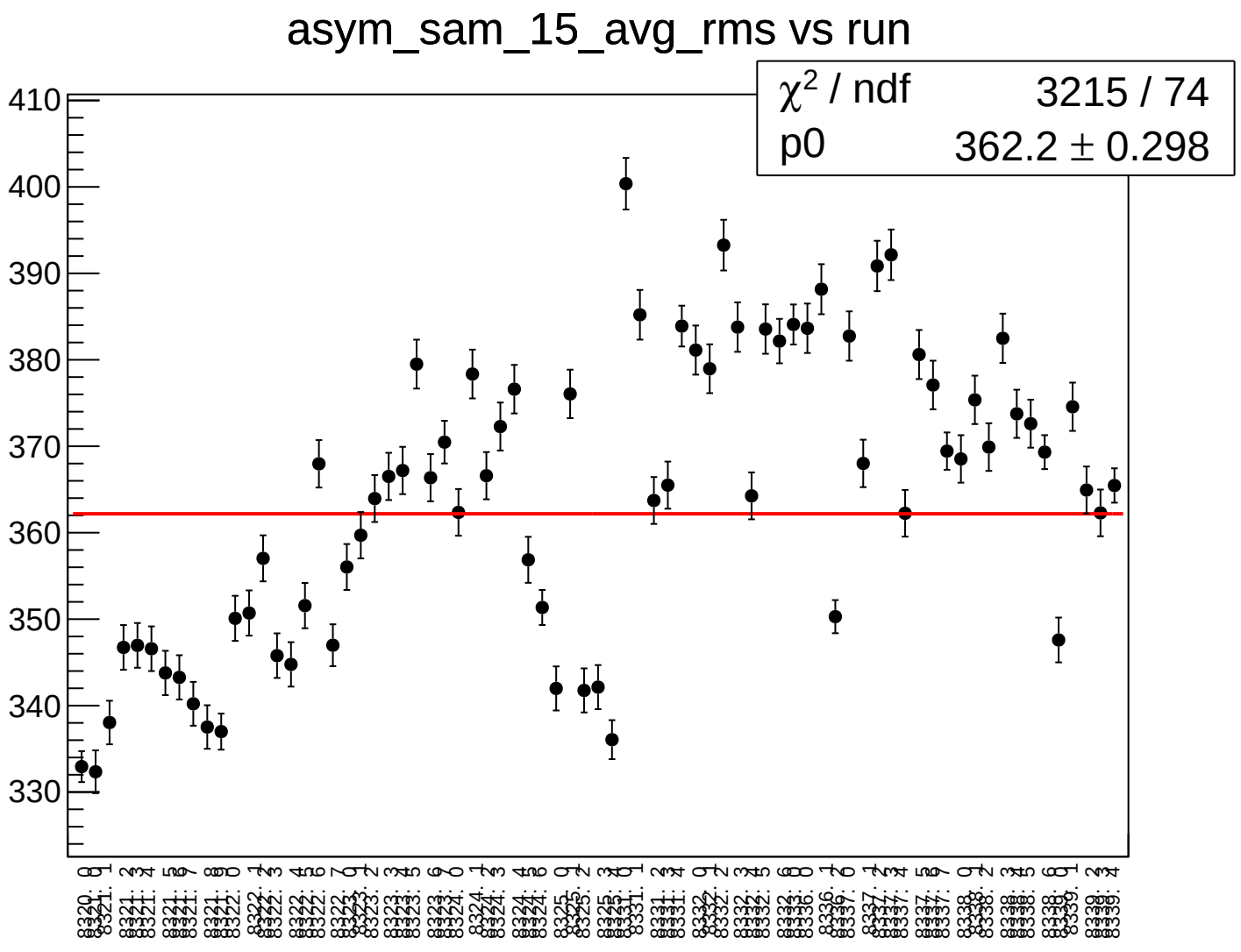

eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 1199 / 74
p0 63.31 ± 0.05206
68
66
64
62
60
58

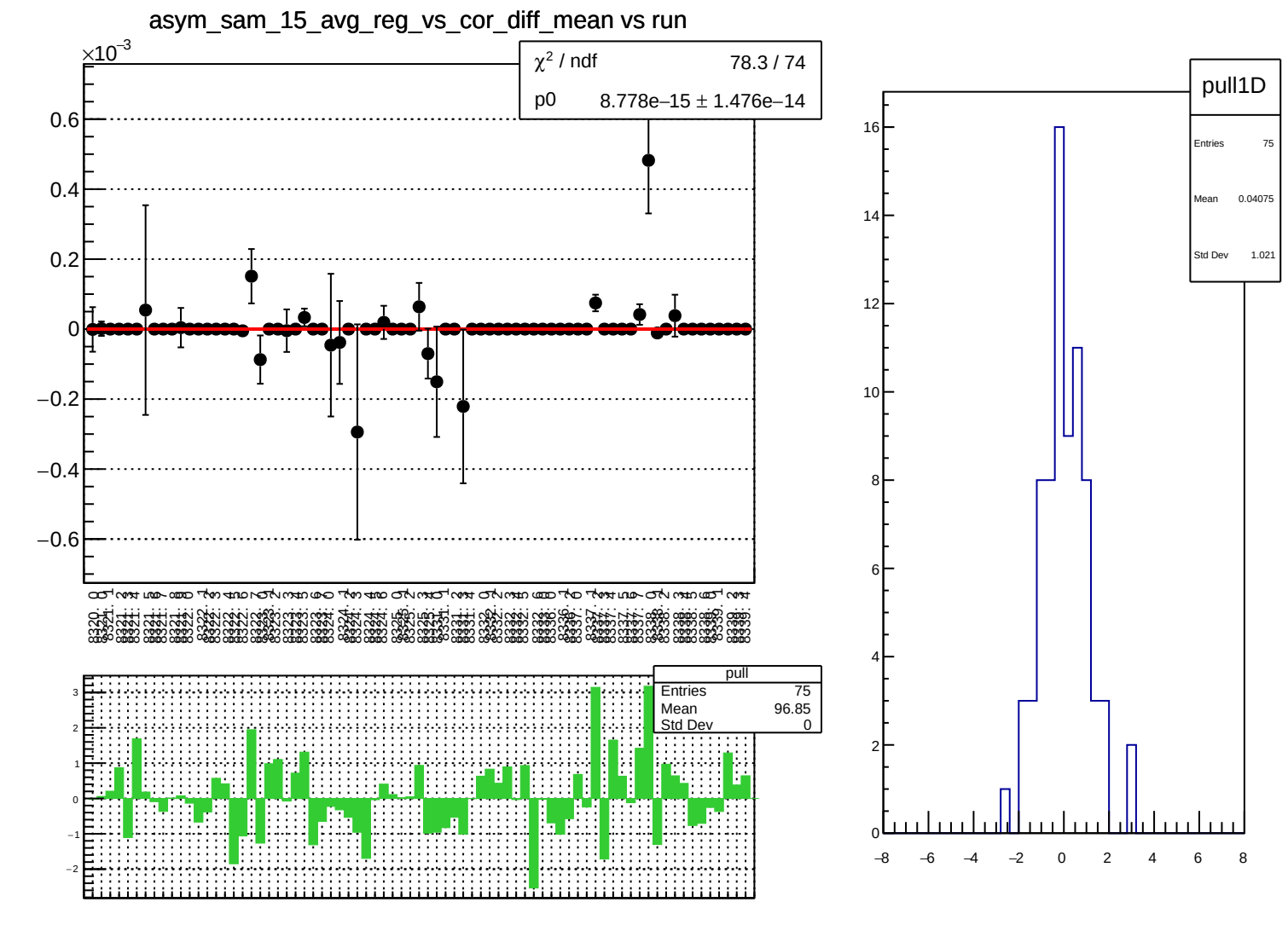

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 90.61 / 74
p0 −1975 ± 424.4
pull
Entries 75
Mean −246.7
Std Dev 0
pull1D
Entries 75
Mean 0.003802
Std Dev 1.099

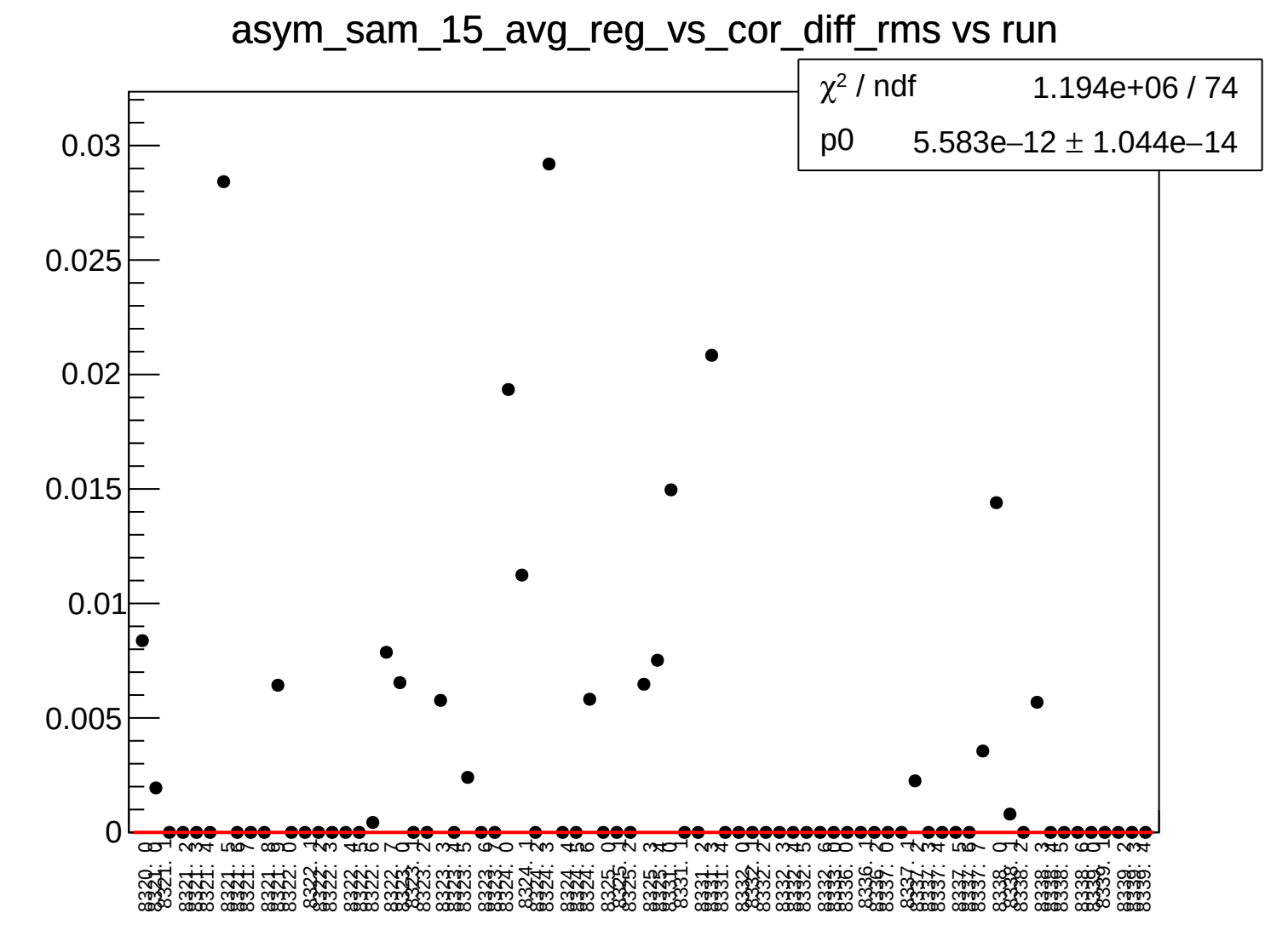

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 3370 / 74
p0 364.7 ± 0.3001
410
400
390
380
370
360
350
340
330

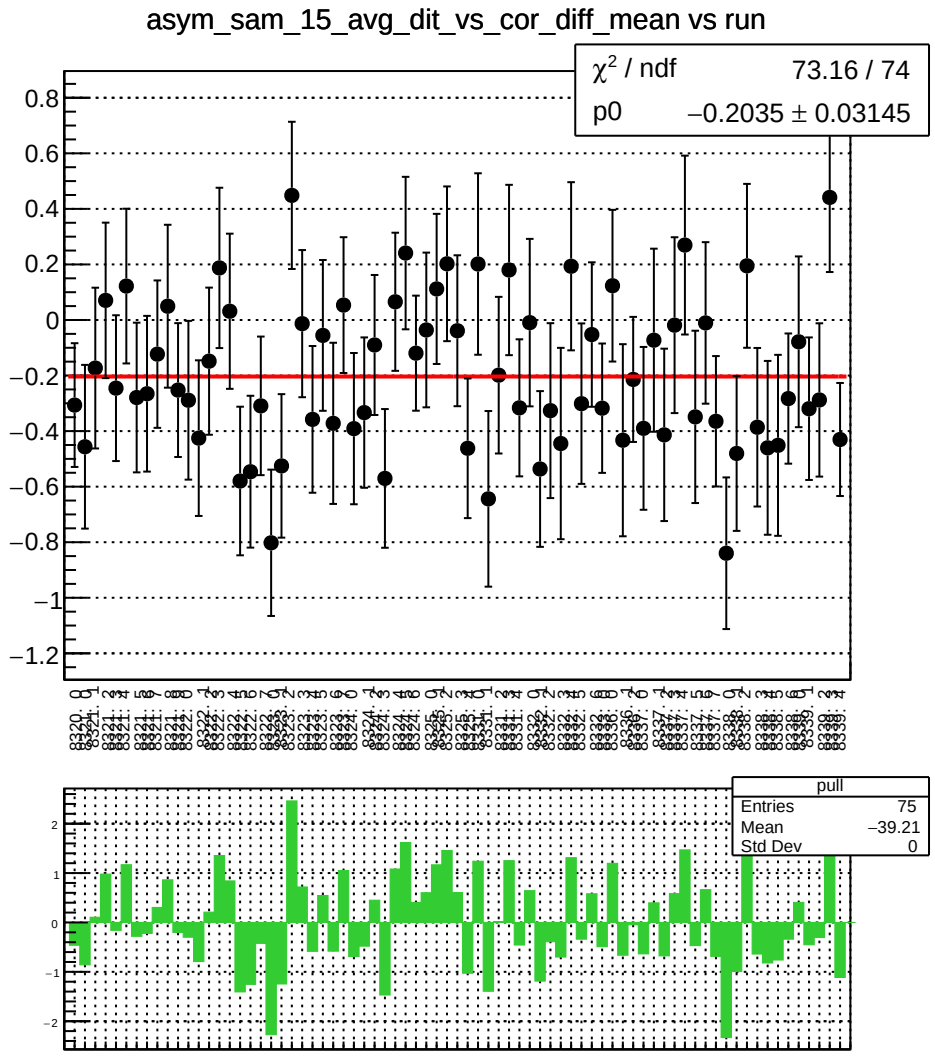

asym_sam_15_avg_mean vs run
χ² / ndf 91.23 / 74
p0 1876 ± 421.5
pull
Entries 75
Mean −301.6
Std Dev 0

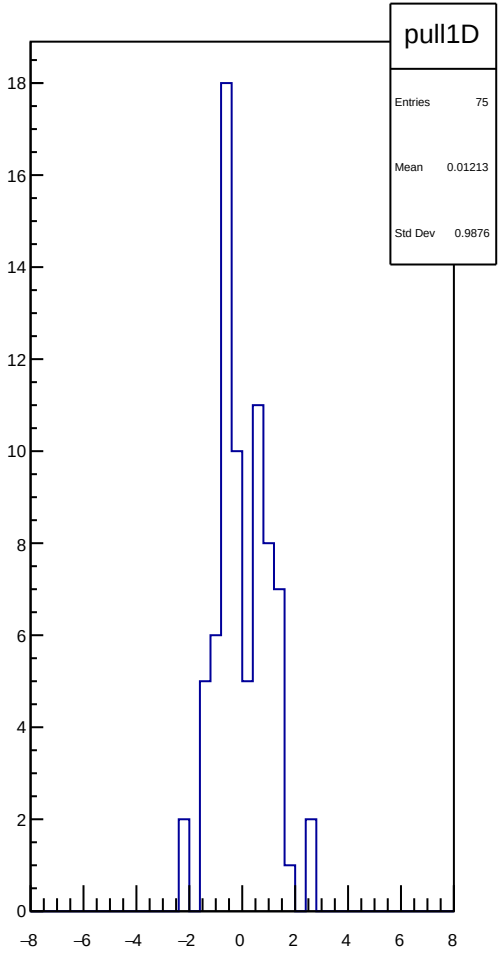

pull1D
Entries 75
Mean −0.005578
Std Dev 1.103

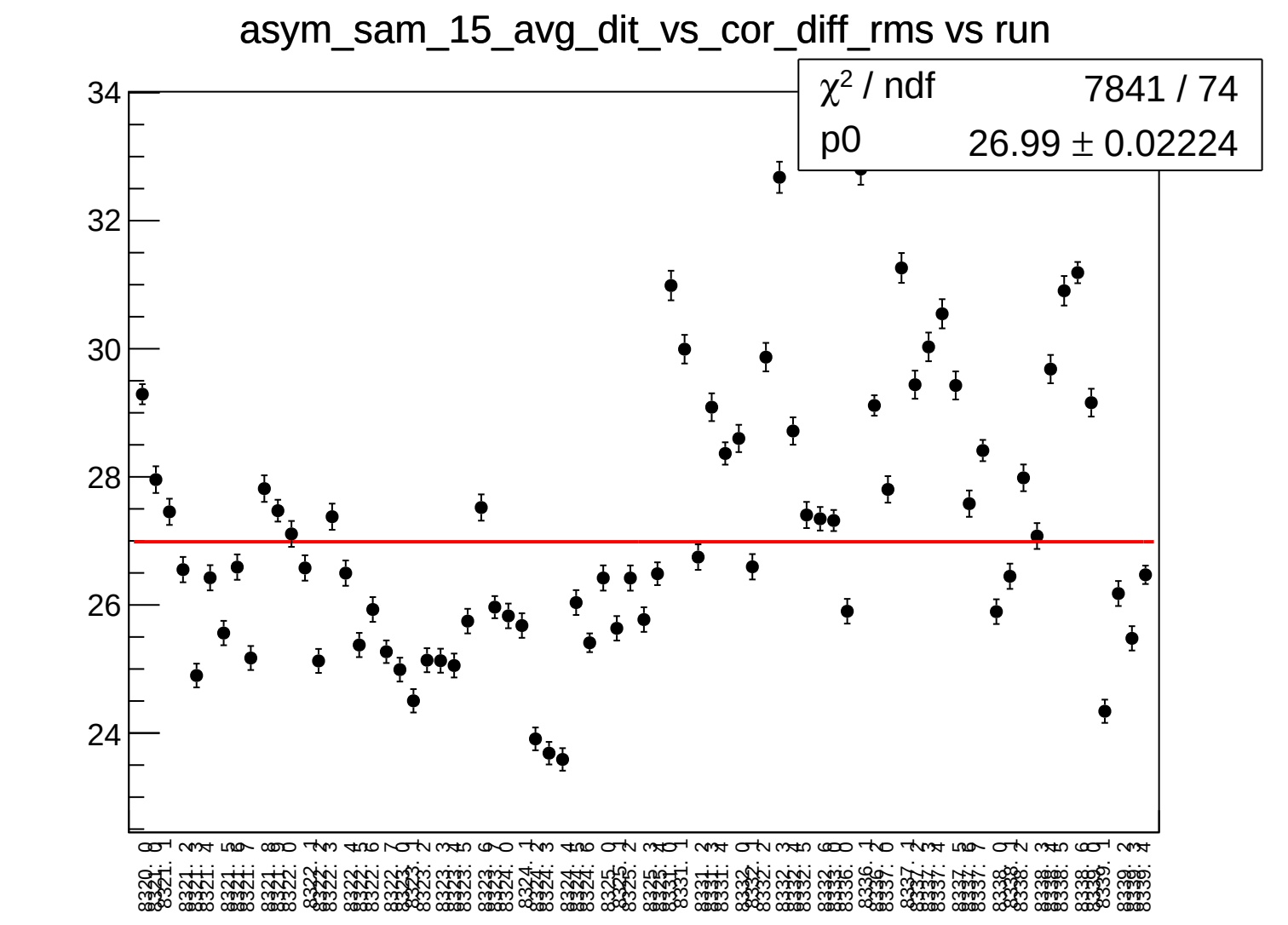

asym_sam_15_avg_rms vs run
χ² / ndf 3215 / 74
p0 362.2 ± 0.298
410
400
390
380
370
360
350
340
330

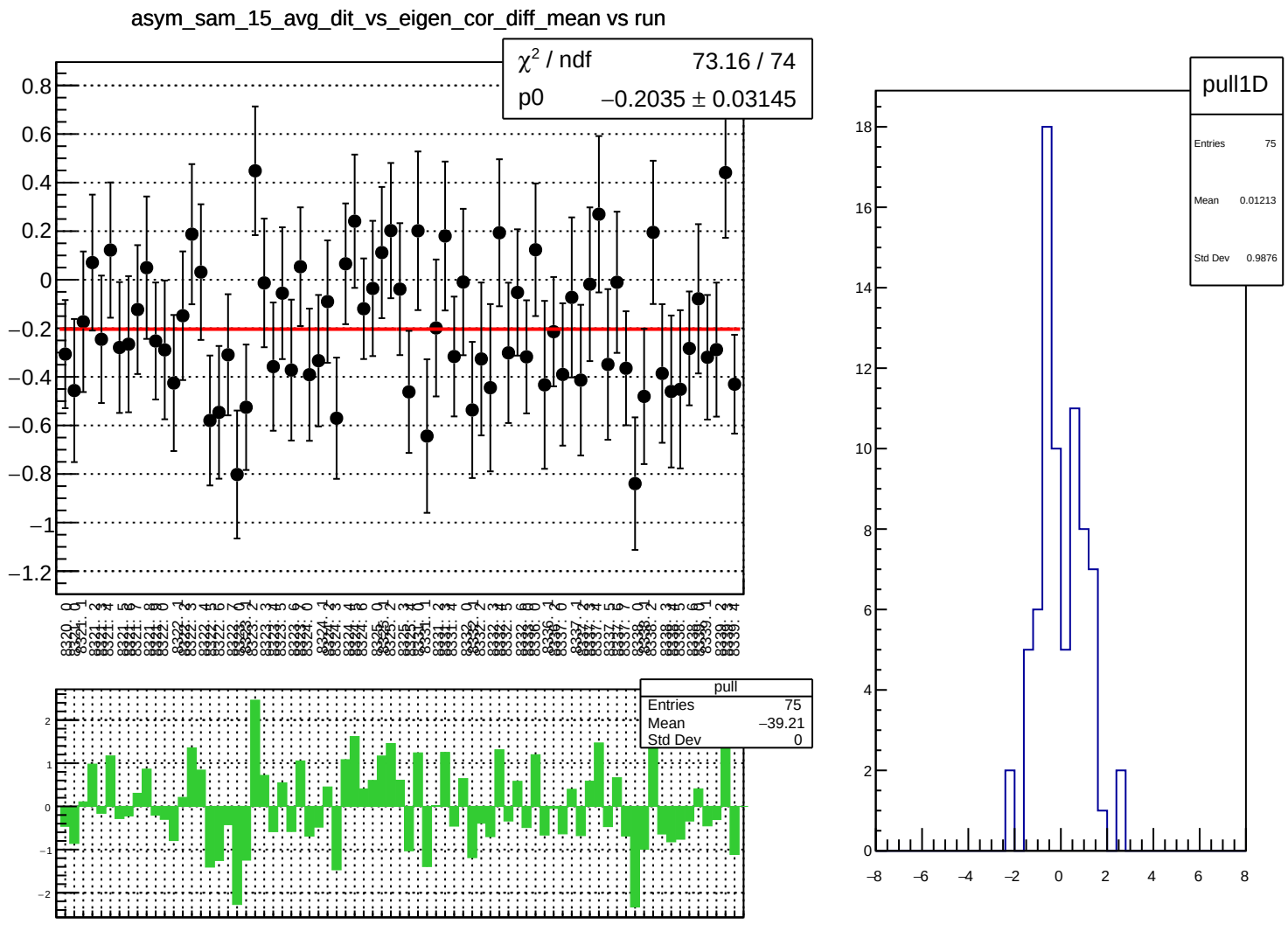

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 78.3 / 74
p0 8.778e−15 ± 1.476e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 75
Mean 96.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.04075
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

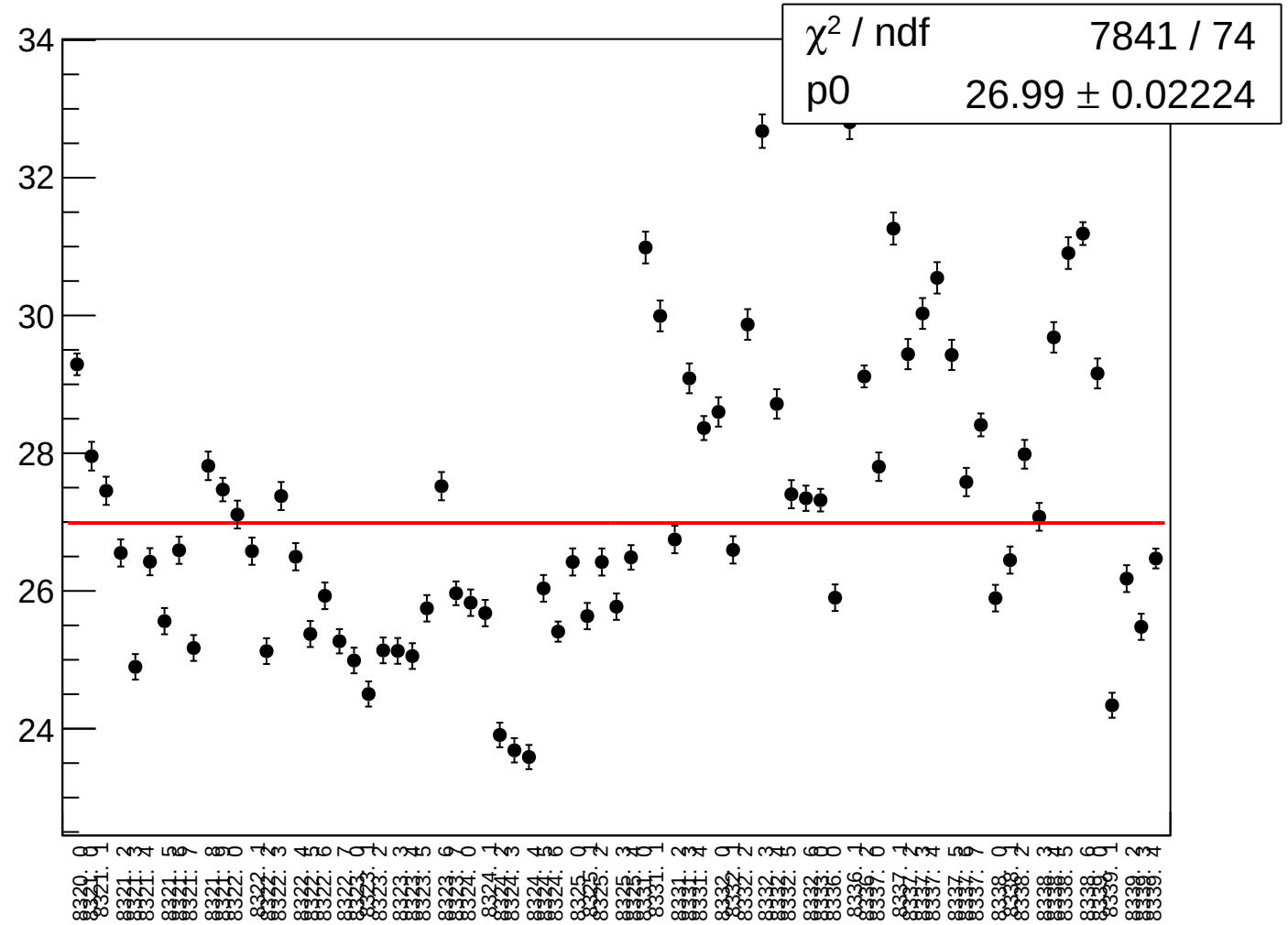

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.194e+06 / 74
p0 5.583e−12 ± 1.044e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

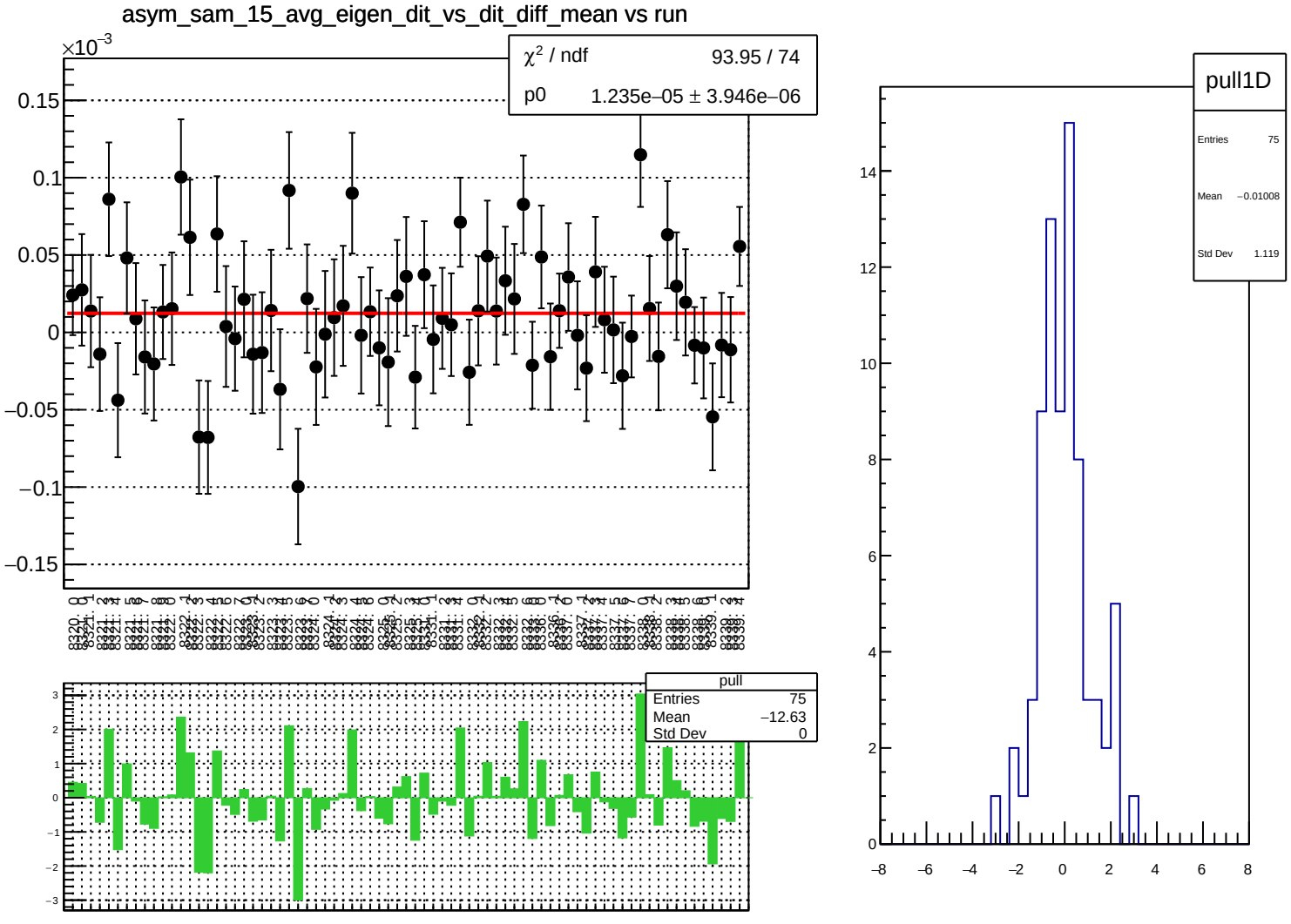

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.16 / 74
p0 −0.2035 ± 0.03145
pull
Entries 75
Mean −39.21
Std Dev 0

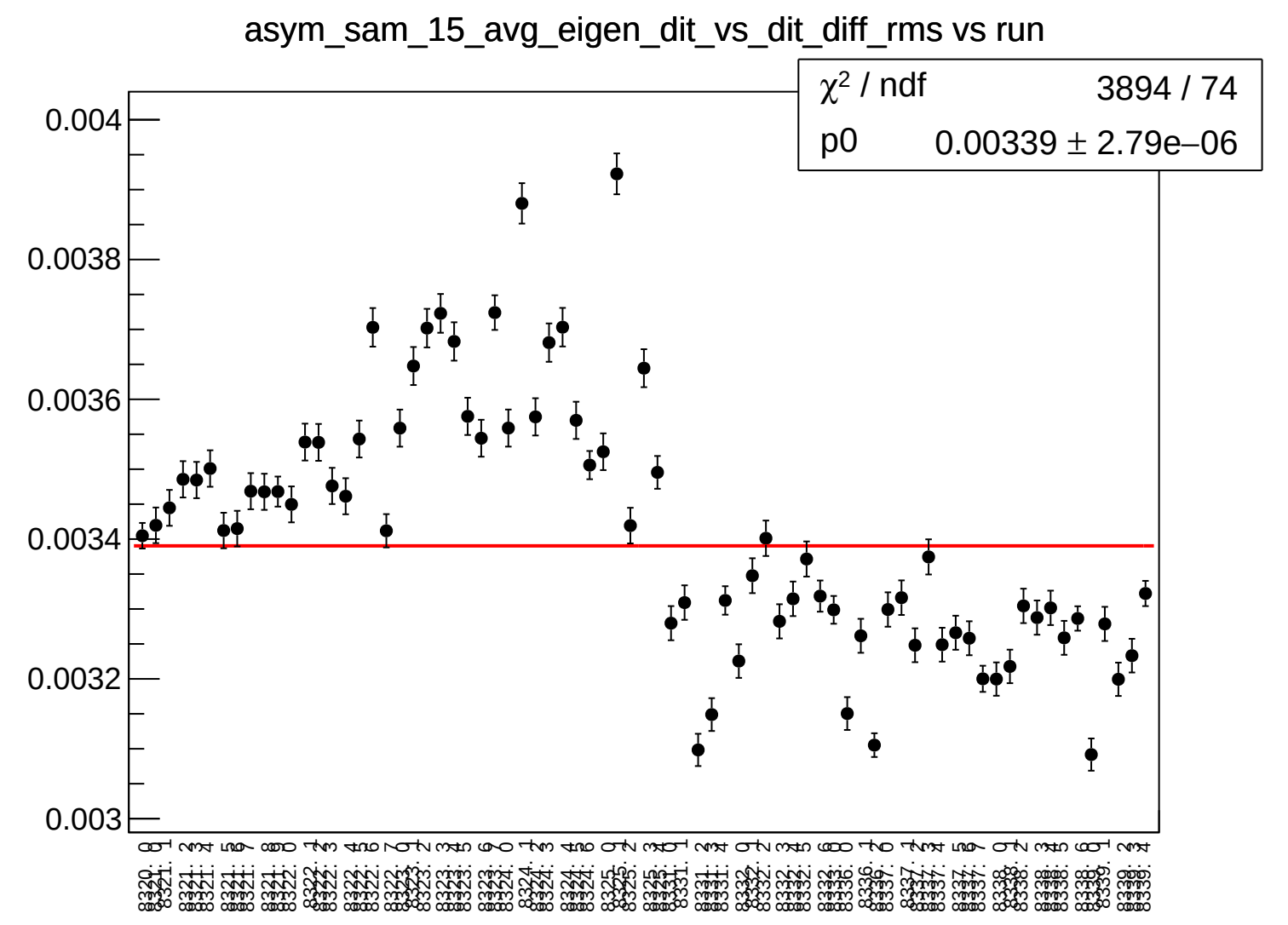

pull1D
Entries 75
Mean 0.01213
Std Dev 0.9876

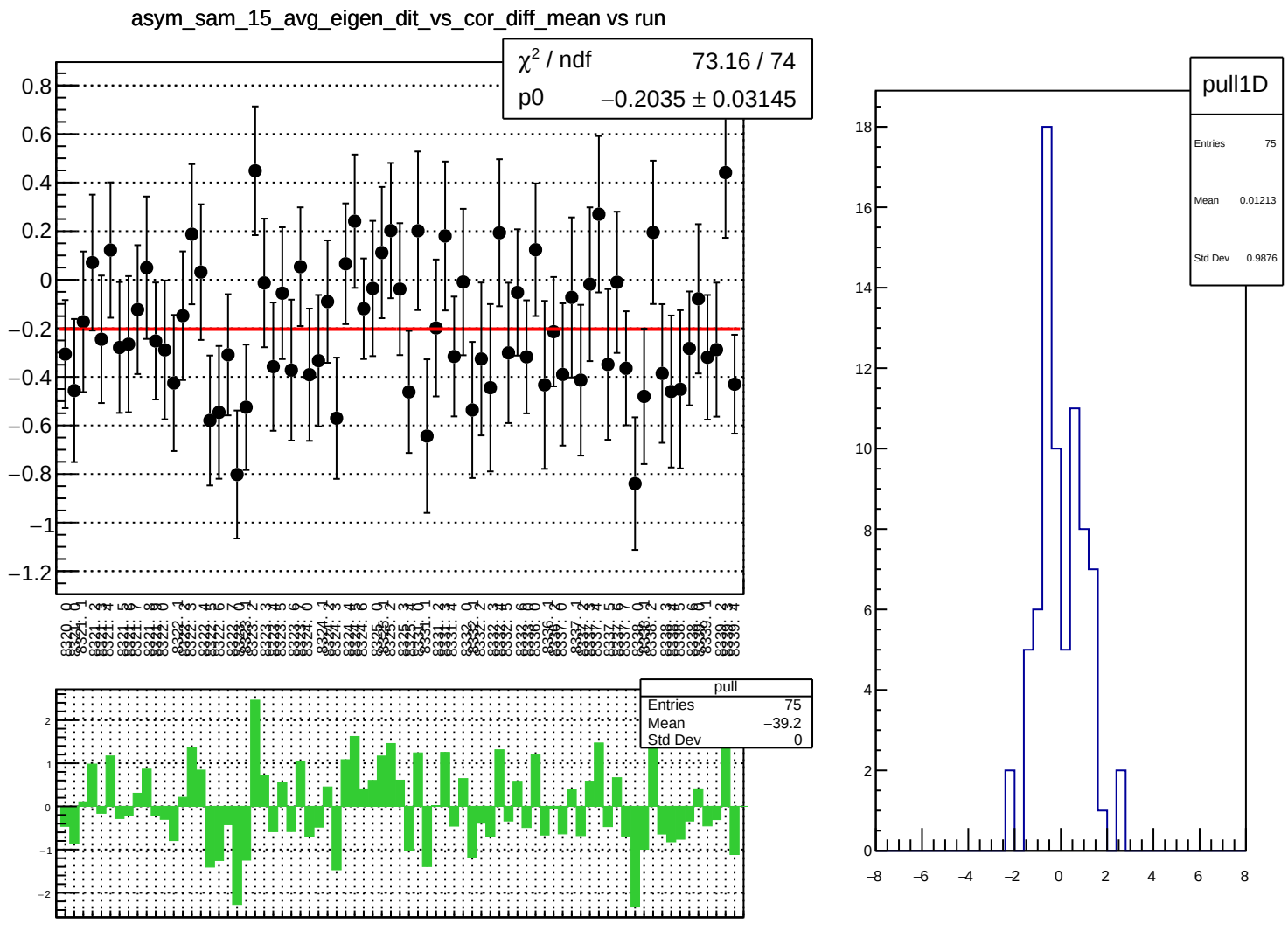

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7841 / 74
p0 26.99 ± 0.02224
34
32
30
28
26
24

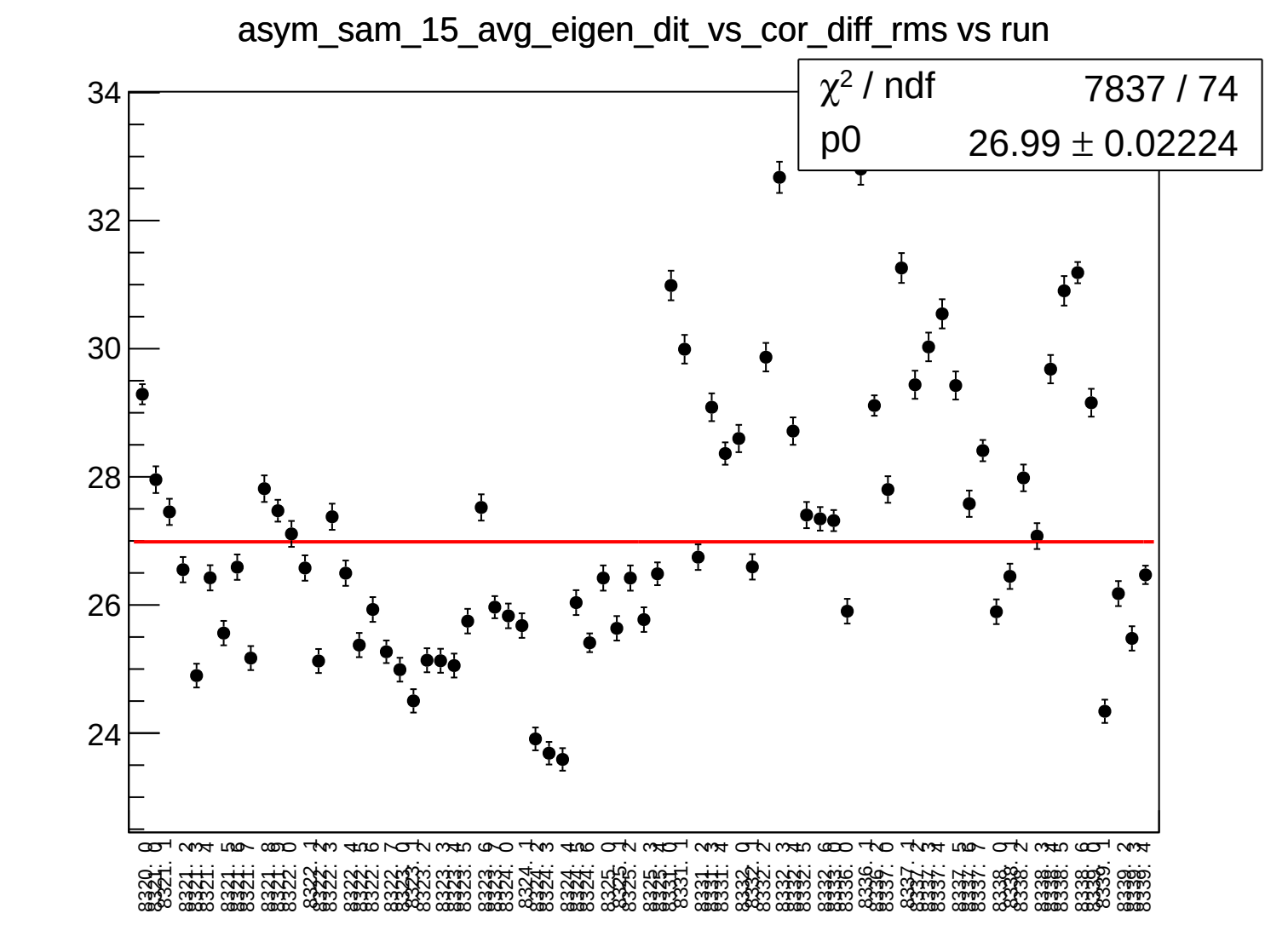

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.16 / 74
p0 −0.2035 ± 0.03145
pull
Entries 75
Mean −39.21
Std Dev 0
pull1D
Entries 75
Mean 0.01213
Std Dev 0.9876

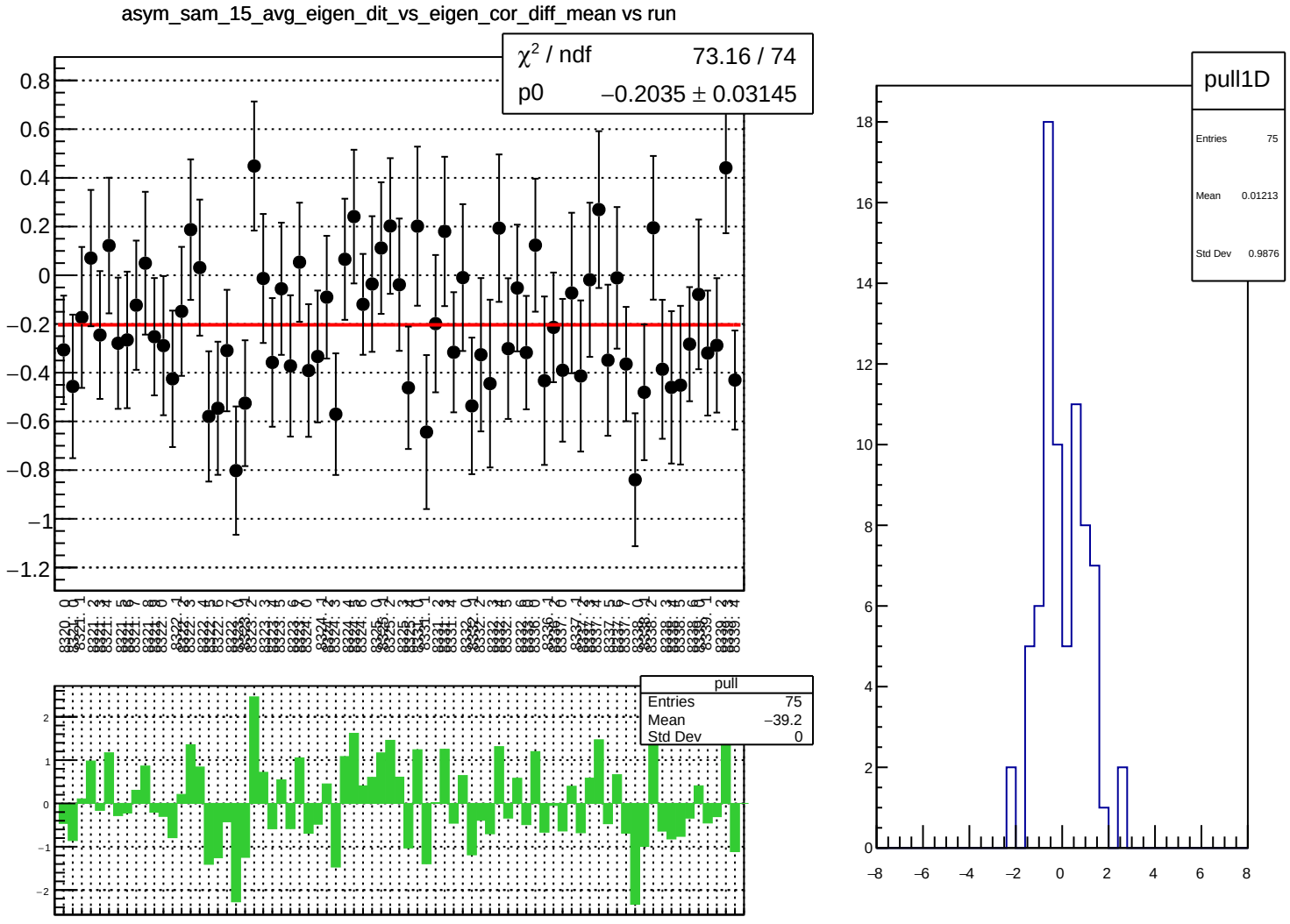

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7841 / 74
p0 26.99 ± 0.02224
34
32
30
28
26
24

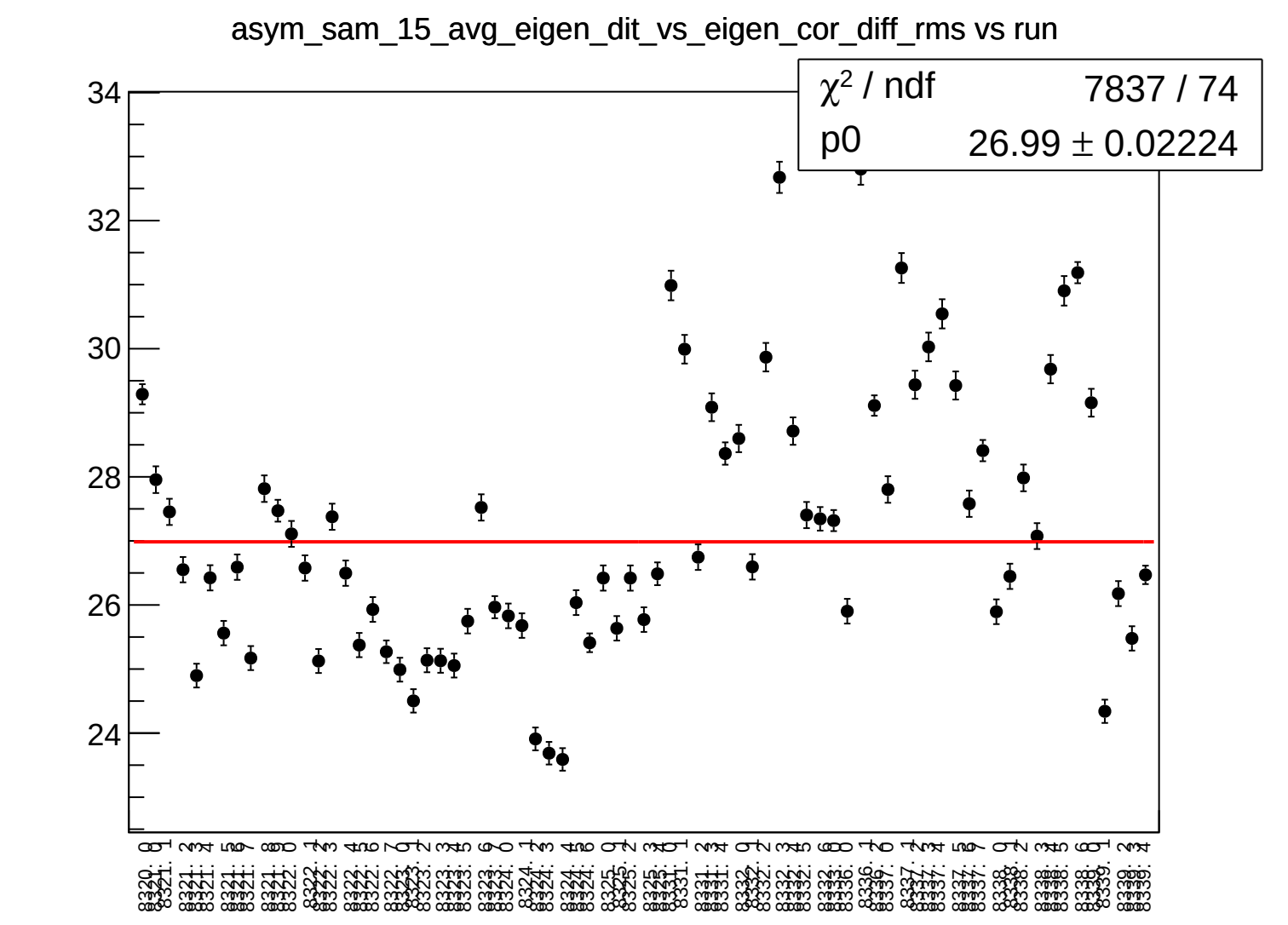

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.95 / 74
p0 1.235e−05 ± 3.946e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 75
Mean −12.63
Std Dev 0
pull1D
Entries 75
Mean −0.01008
Std Dev 1.119

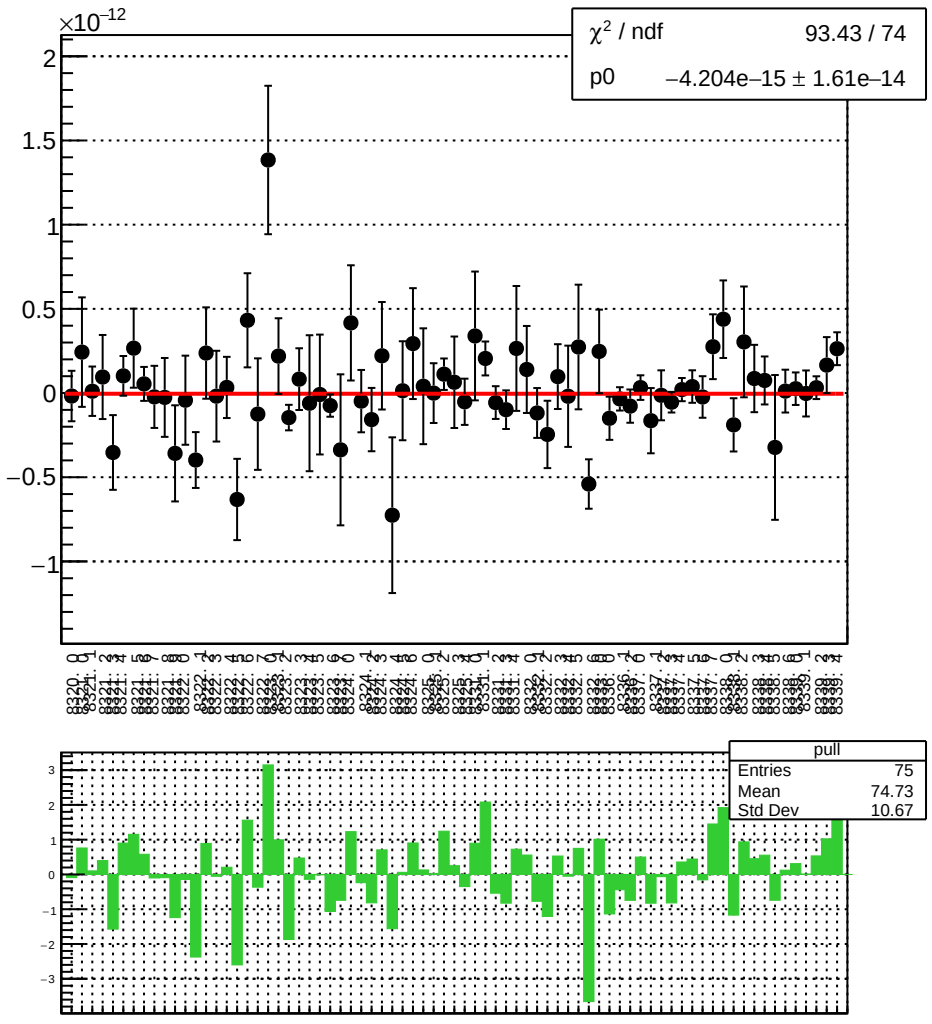

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3894 / 74
p0 0.00339 ± 2.79e−06
0.004
0.0038
0.0036
0.0034
0.0032
0.003

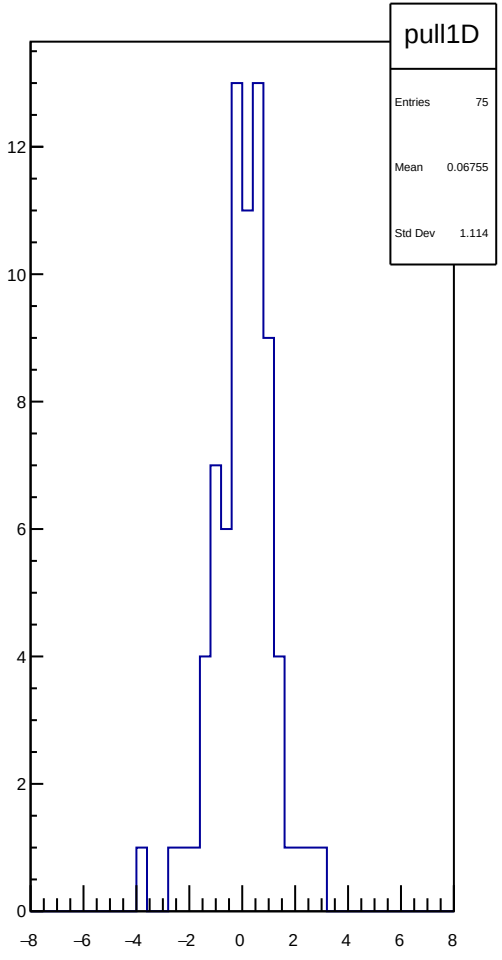

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.16 / 74
p0 −0.2035 ± 0.03145
pull
Entries 75
Mean −39.2
Std Dev 0
pull1D
Entries 75
Mean 0.01213
Std Dev 0.9876

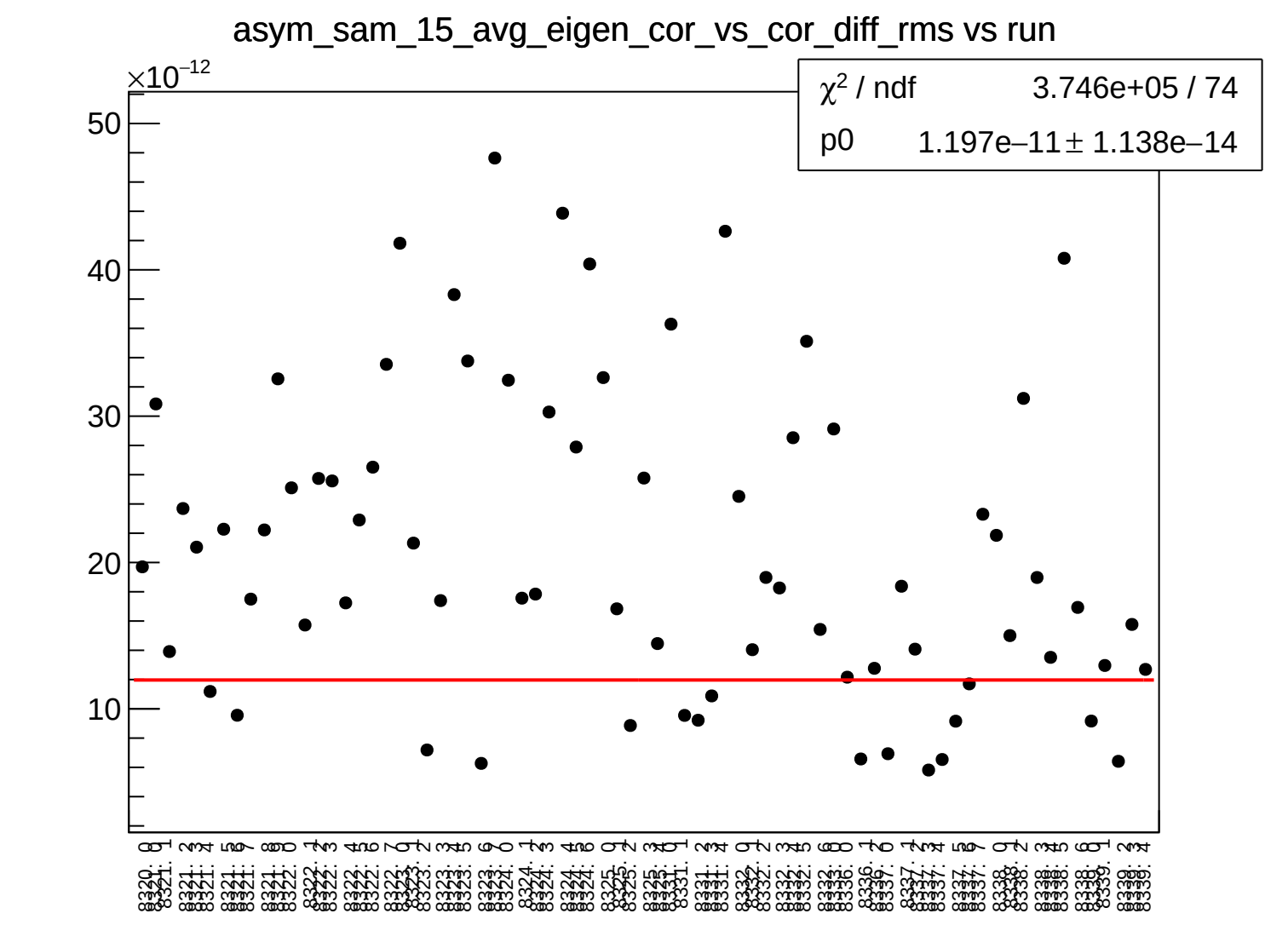

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7837 / 74
p0 26.99 ± 0.02224
34
32
30
28
26
24

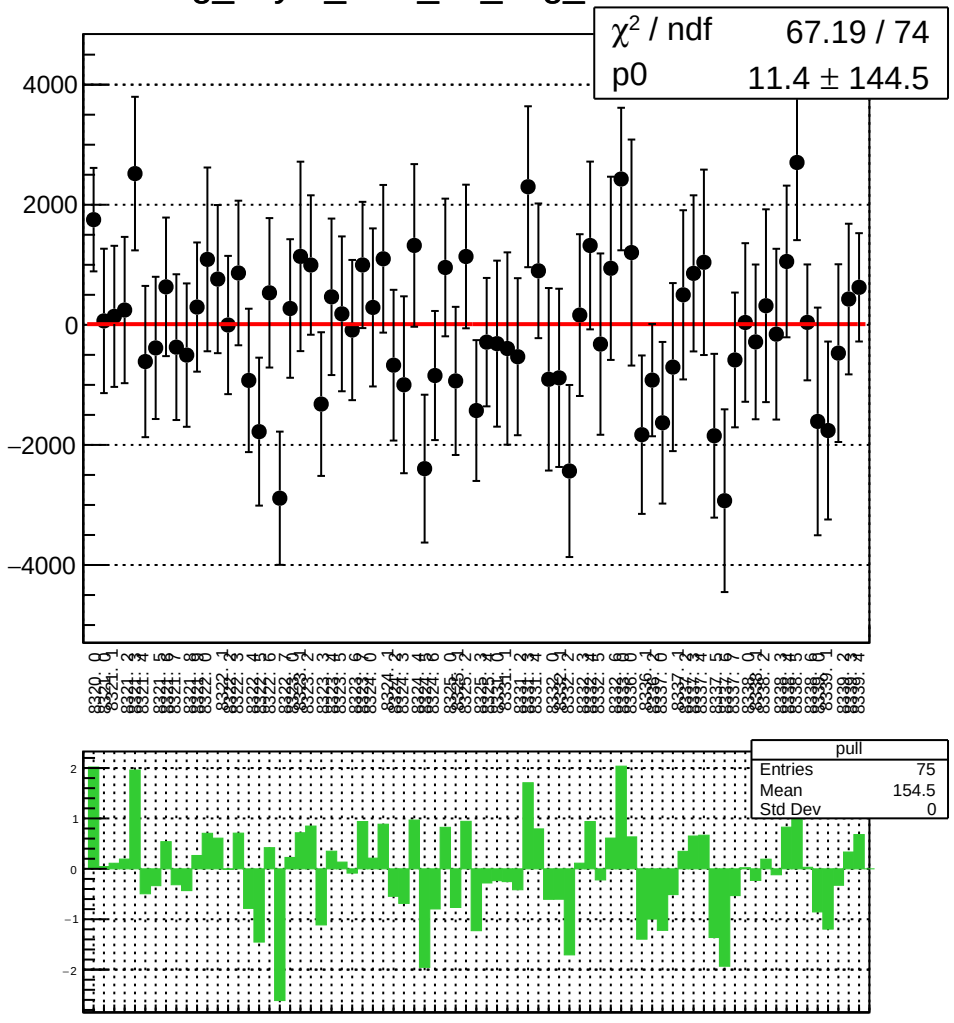

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.16 / 74
p0 −0.2035 ± 0.03145
pull
Entries 75
Mean −39.2
Std Dev 0
pull1D
Entries 75
Mean 0.01213
Std Dev 0.9876

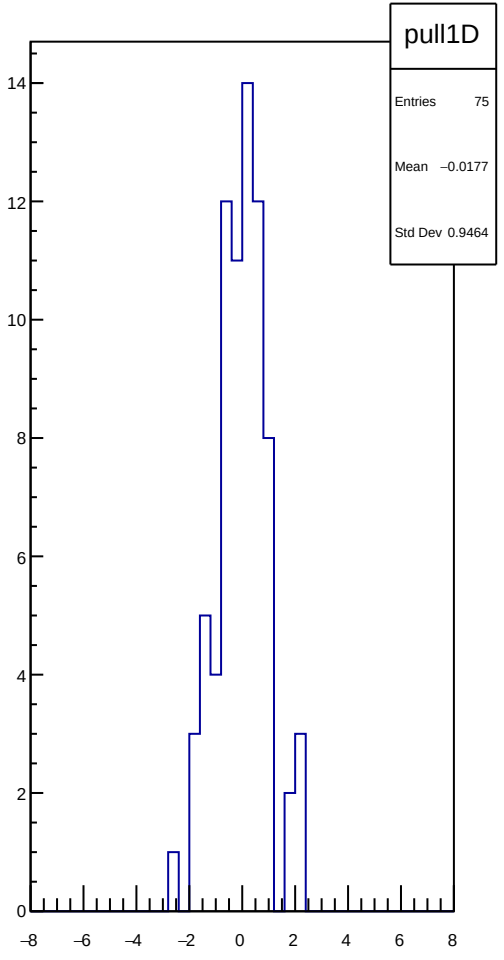

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7837 / 74
p0 26.99 ± 0.02224
34
32
30
28
26
24

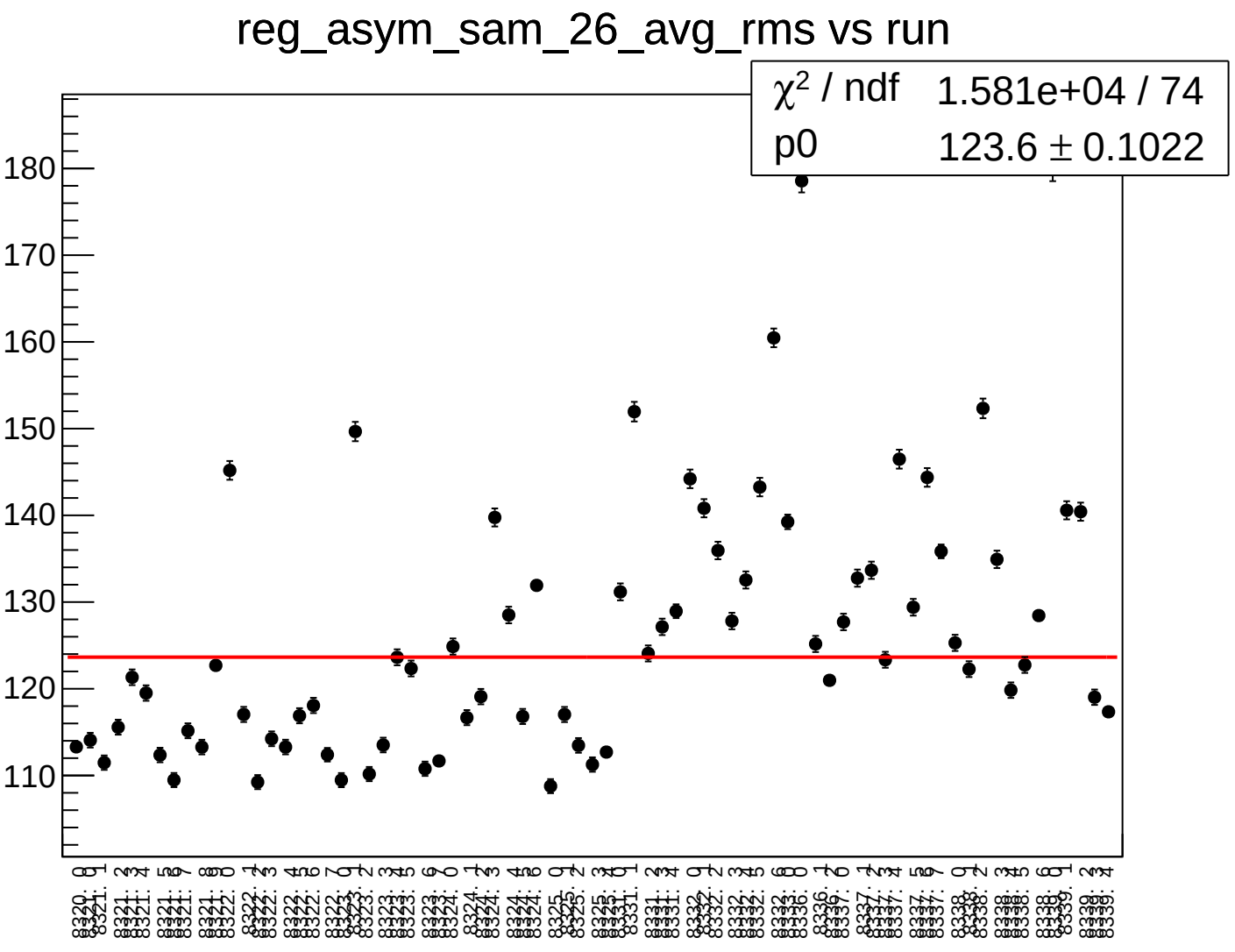

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.43 / 74
p0 −4.204e−15 ± 1.61e−14
pull
Entries 75
Mean 74.73
Std Dev 10.67

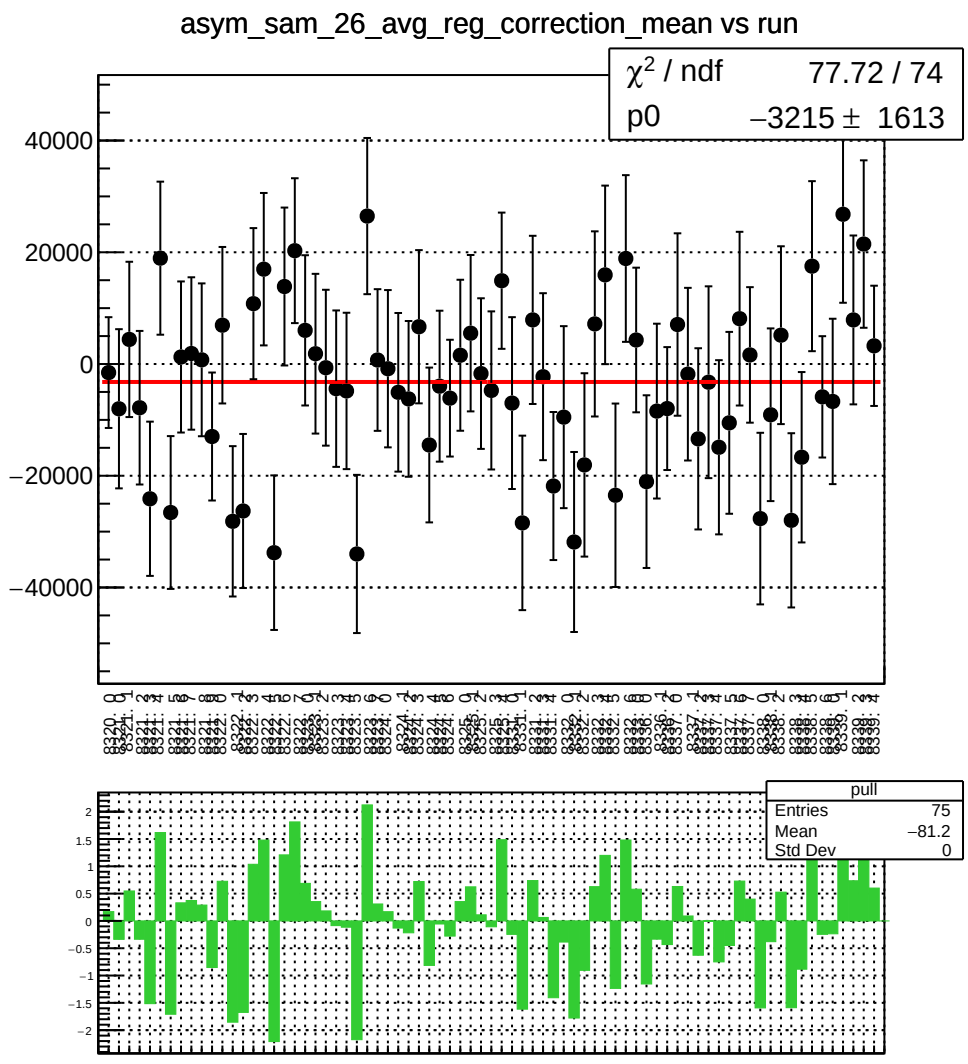

pull1D
Entries 75
Mean 0.06755
Std Dev 1.114

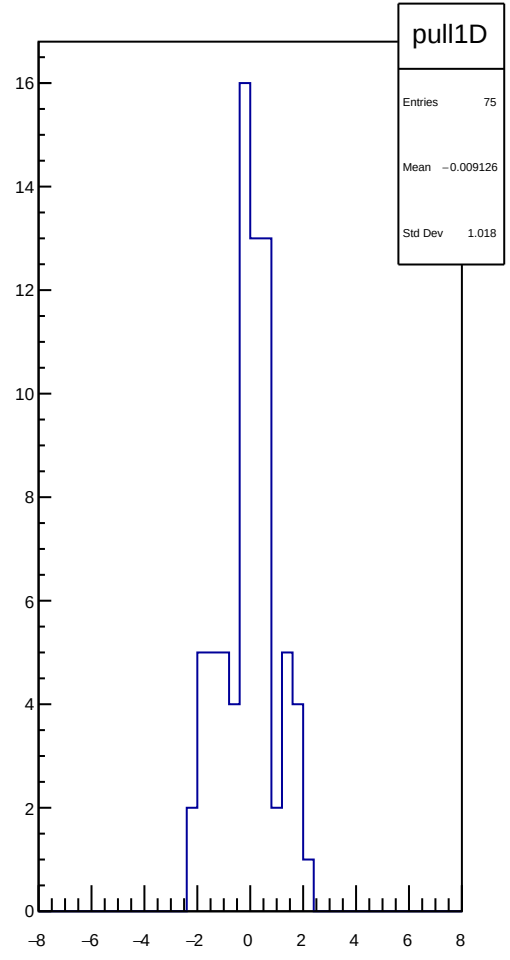

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.746e+05 / 74
p0 1.197e−11 ± 1.138e−14
50
40
30
20
10

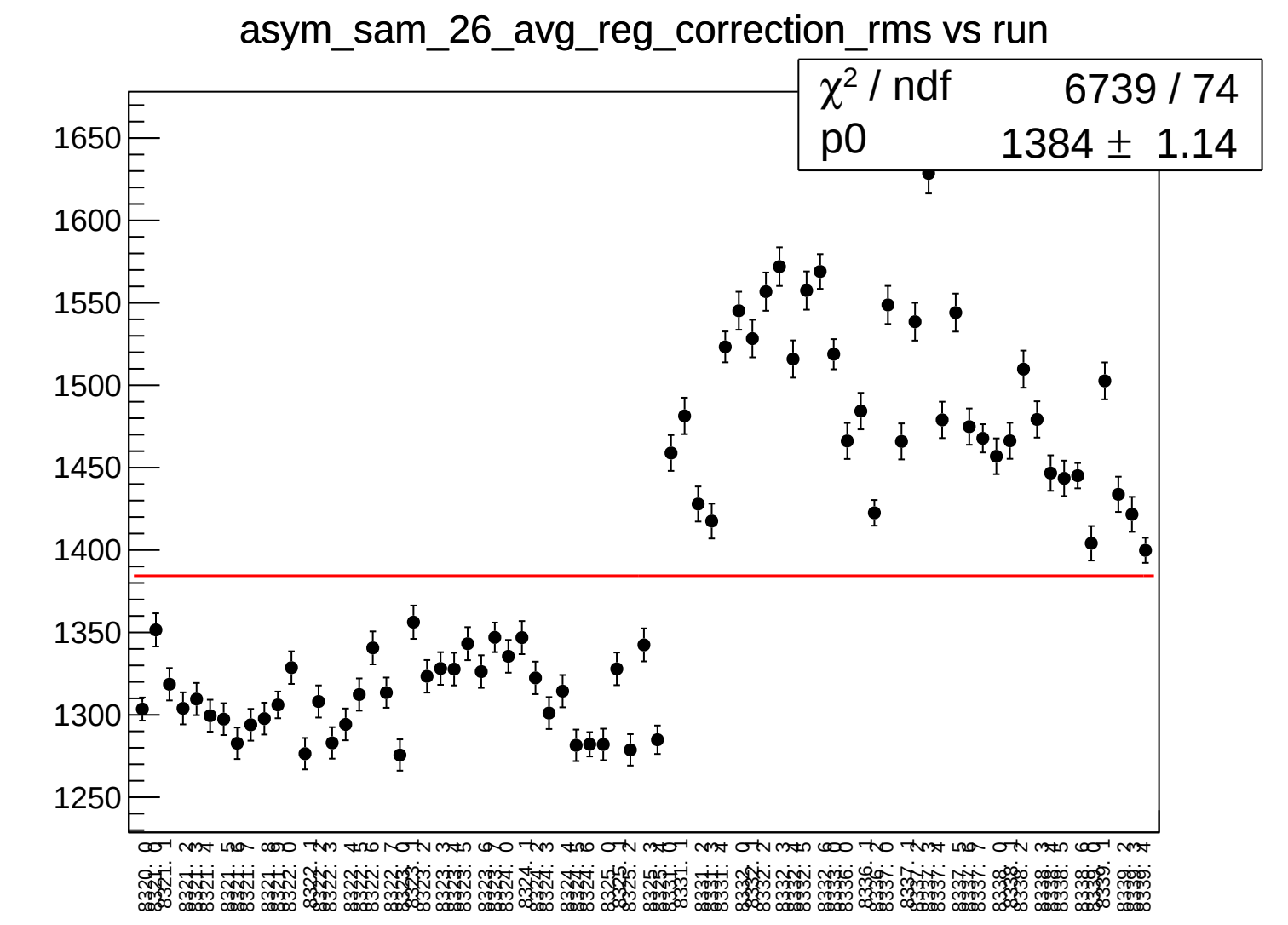

reg_asym_sam_26_avg_mean vs run
χ² / ndf 67.19 / 74
p0 11.4 ± 144.5
pull
Entries 75
Mean 154.5
Std Dev 0

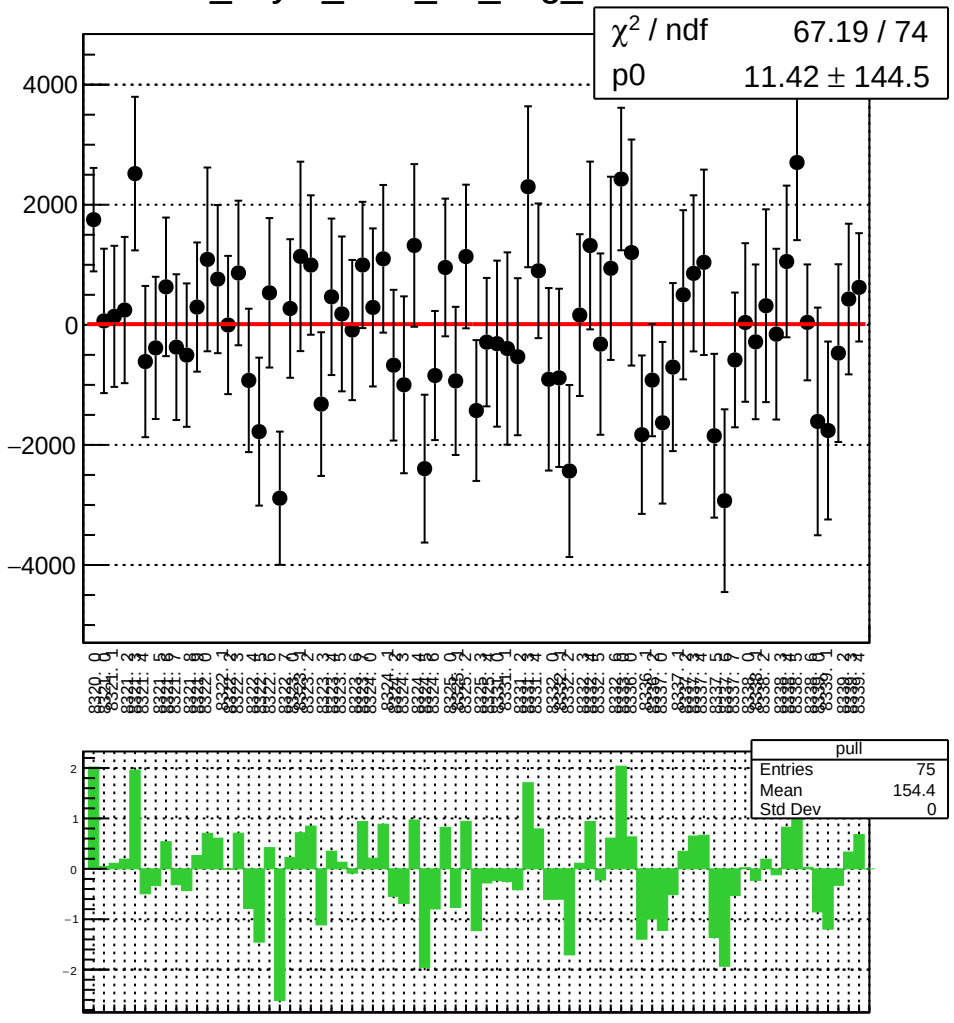

pull1D
Entries 75
Mean −0.0177
Std Dev 0.9464

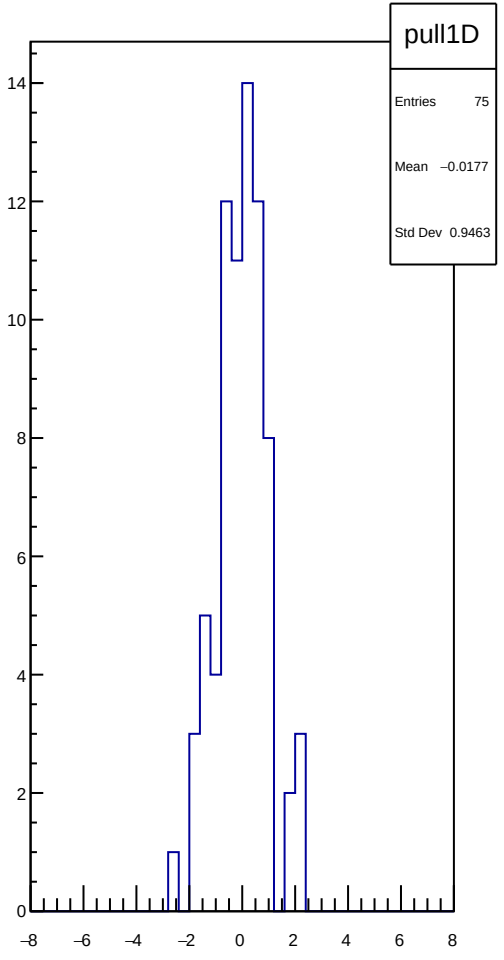

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.581e+04 / 74
p0 123.6 ± 0.1022
180
170
160
150
140
130
120
110

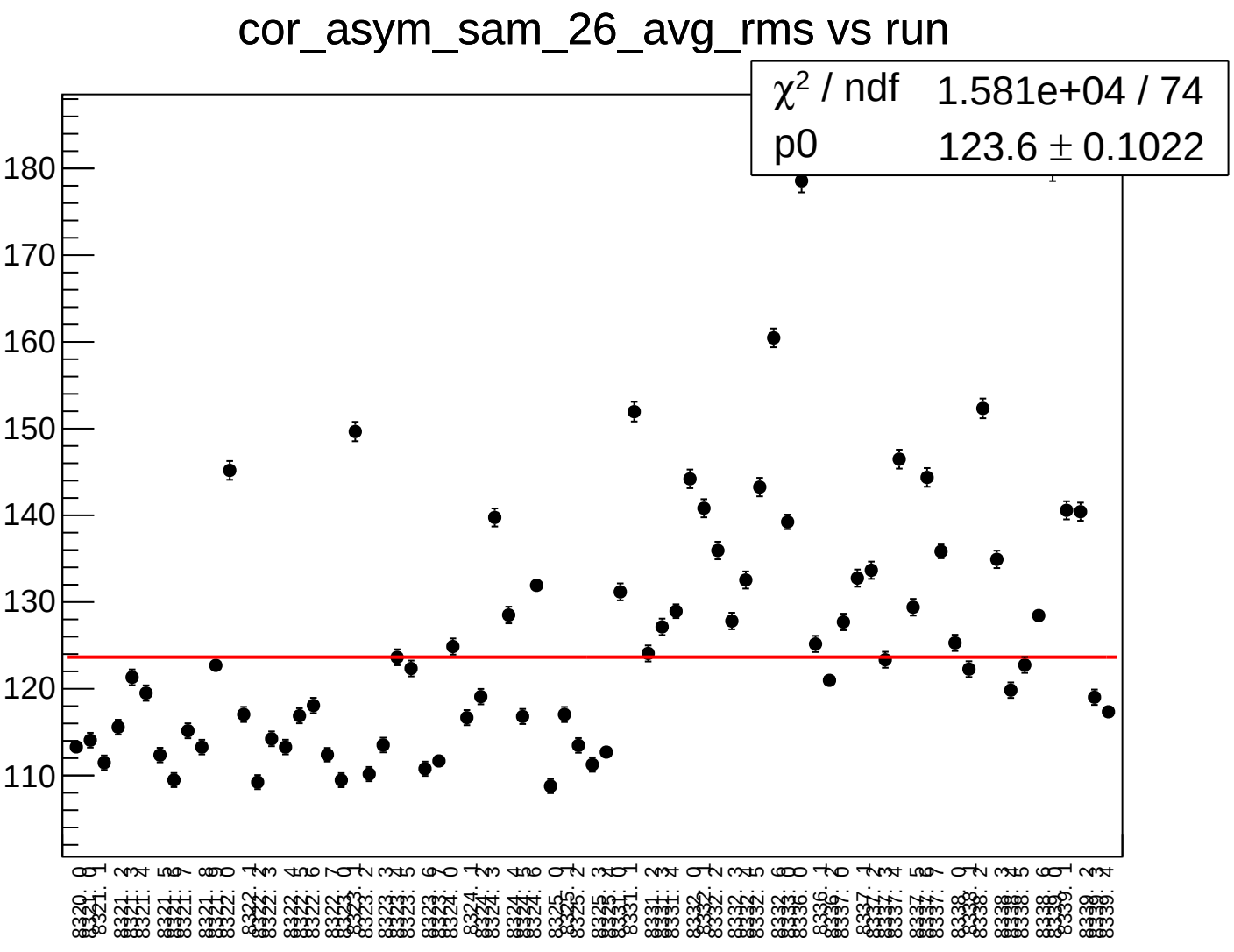

asym_sam_26_avg_reg_correction_mean vs run
χ² / ndf 77.72 / 74
p0 −3215 ± 1613
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −81.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

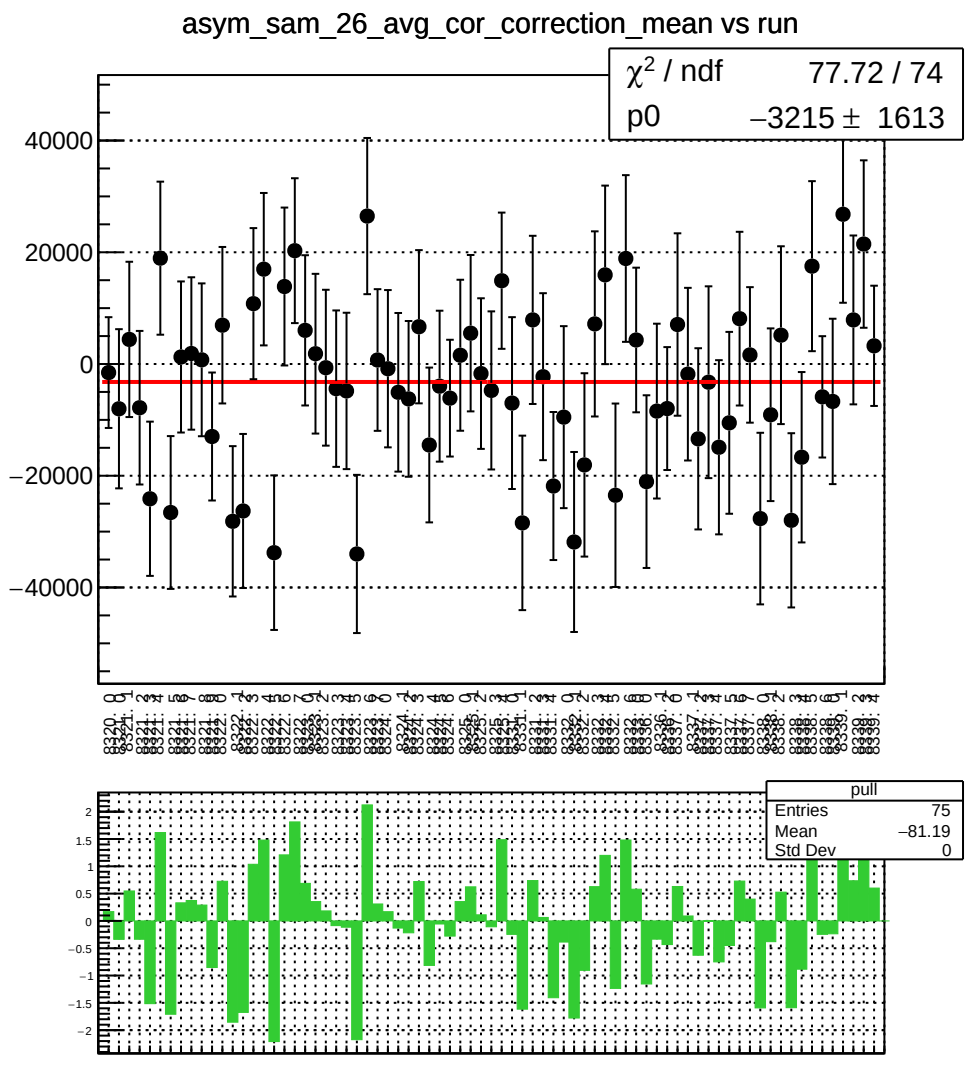

pull1D
Entries 75
Mean −0.009126
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

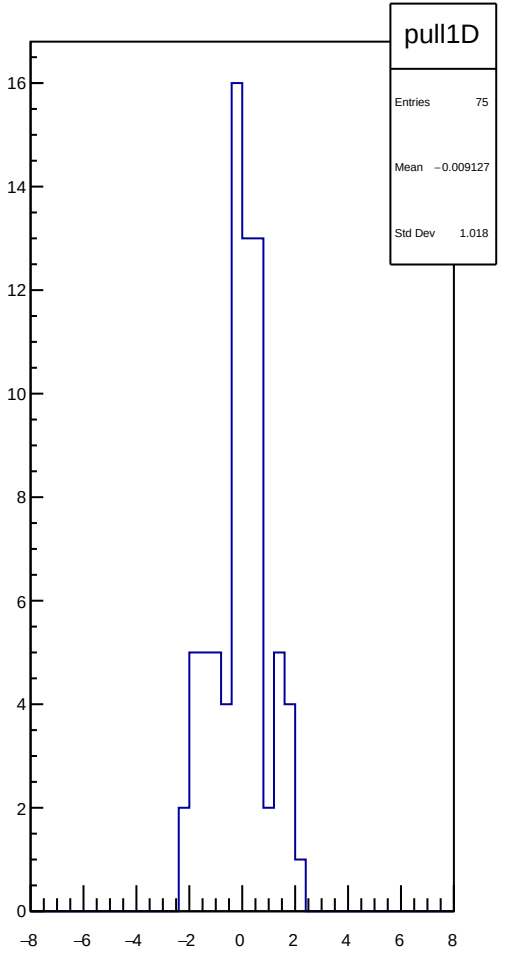

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 6739 / 74
p0 1384 ± 1.14
1650
1600
1550
1500
1450
1400
1350
1300
1250

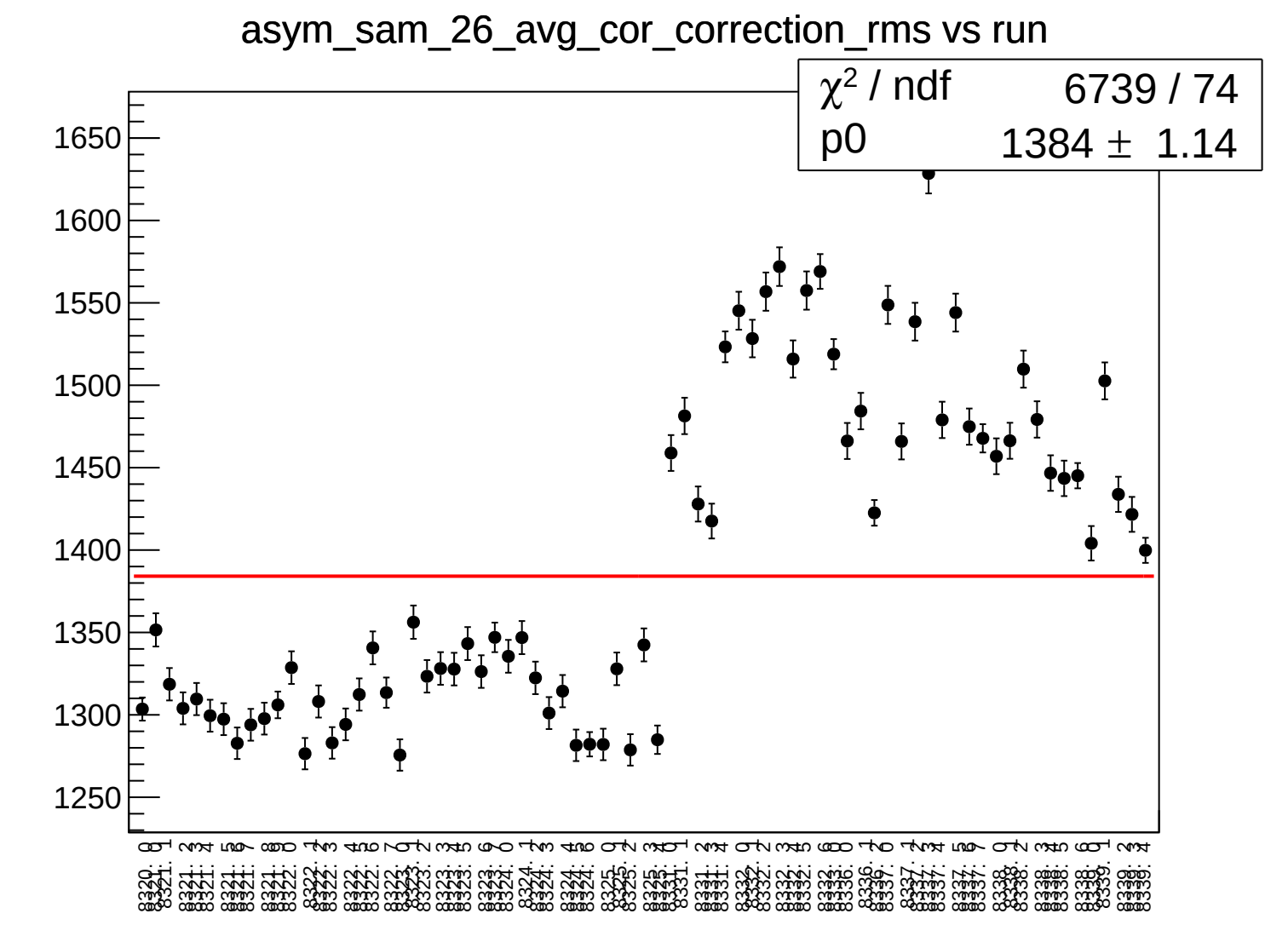

cor_asym_sam_26_avg_mean vs run
χ² / ndf 67.19 / 74
p0 11.42 ± 144.5
pull
Entries 75
Mean 154.4
Std Dev 0

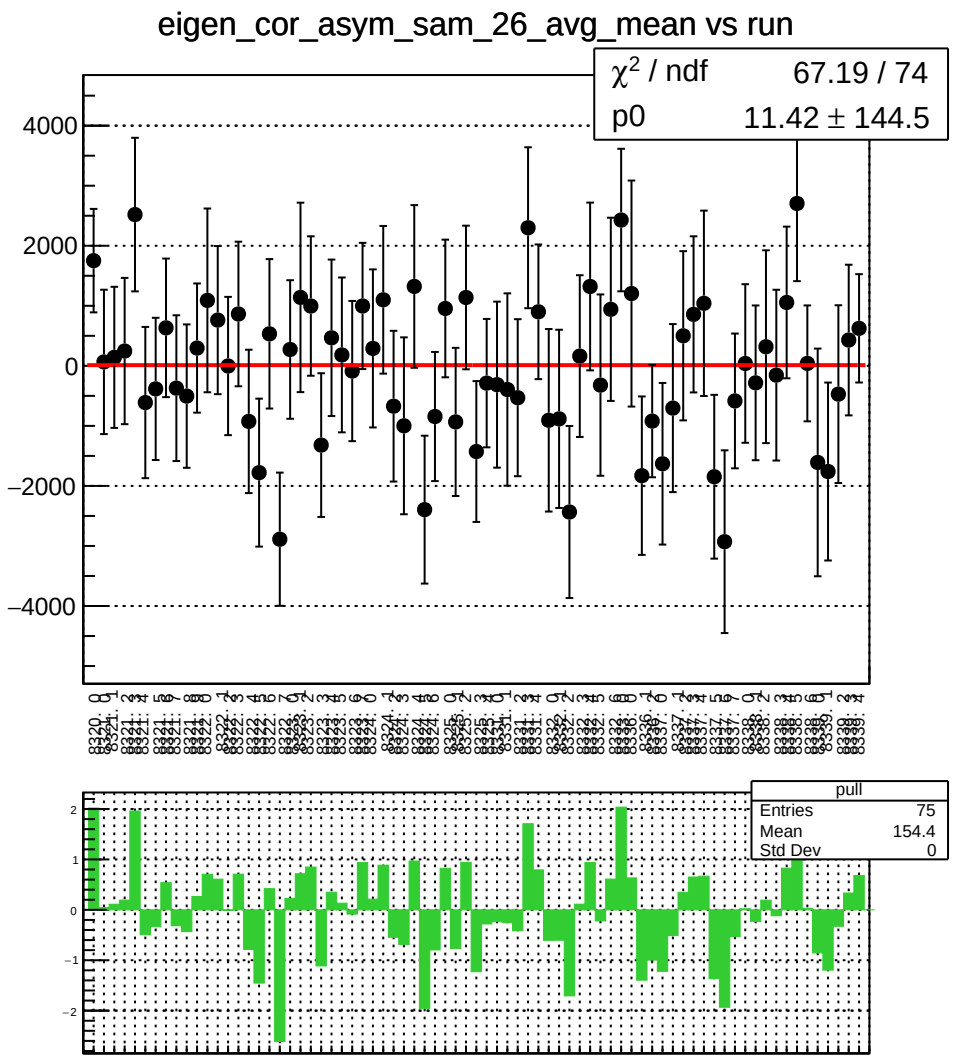

pull1D
Entries 75
Mean −0.0177
Std Dev 0.9463

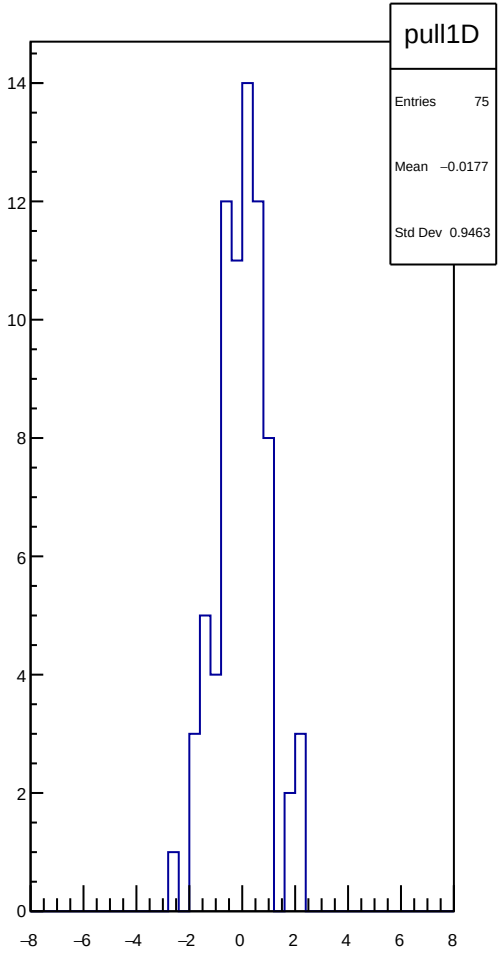

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.581e+04 / 74
p0 123.6 ± 0.1022
180
170
160
150
140
130
120
110

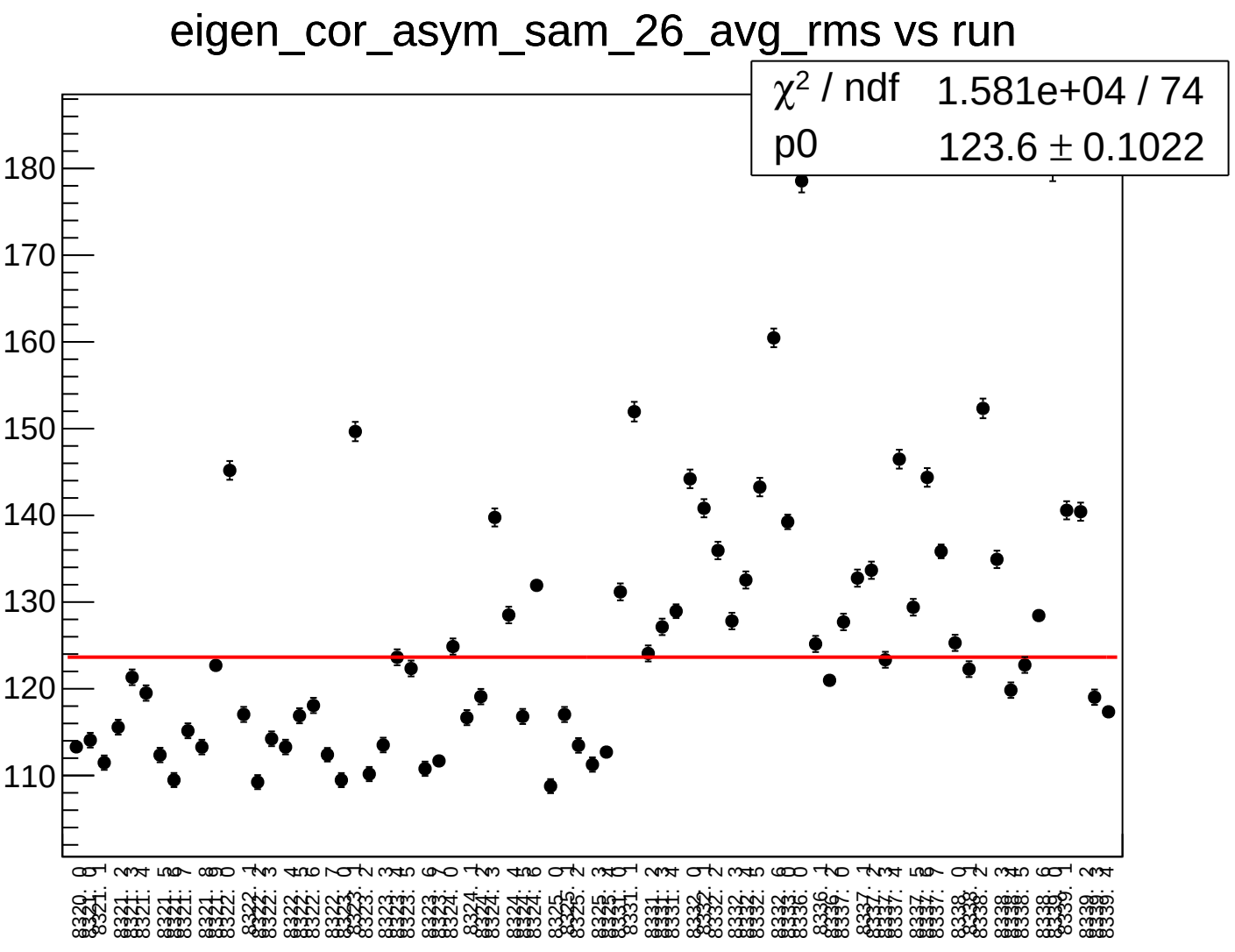

asym_sam_26_avg_cor_correction_mean vs run
χ² / ndf 77.72 / 74
p0 −3215 ± 1613
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −81.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

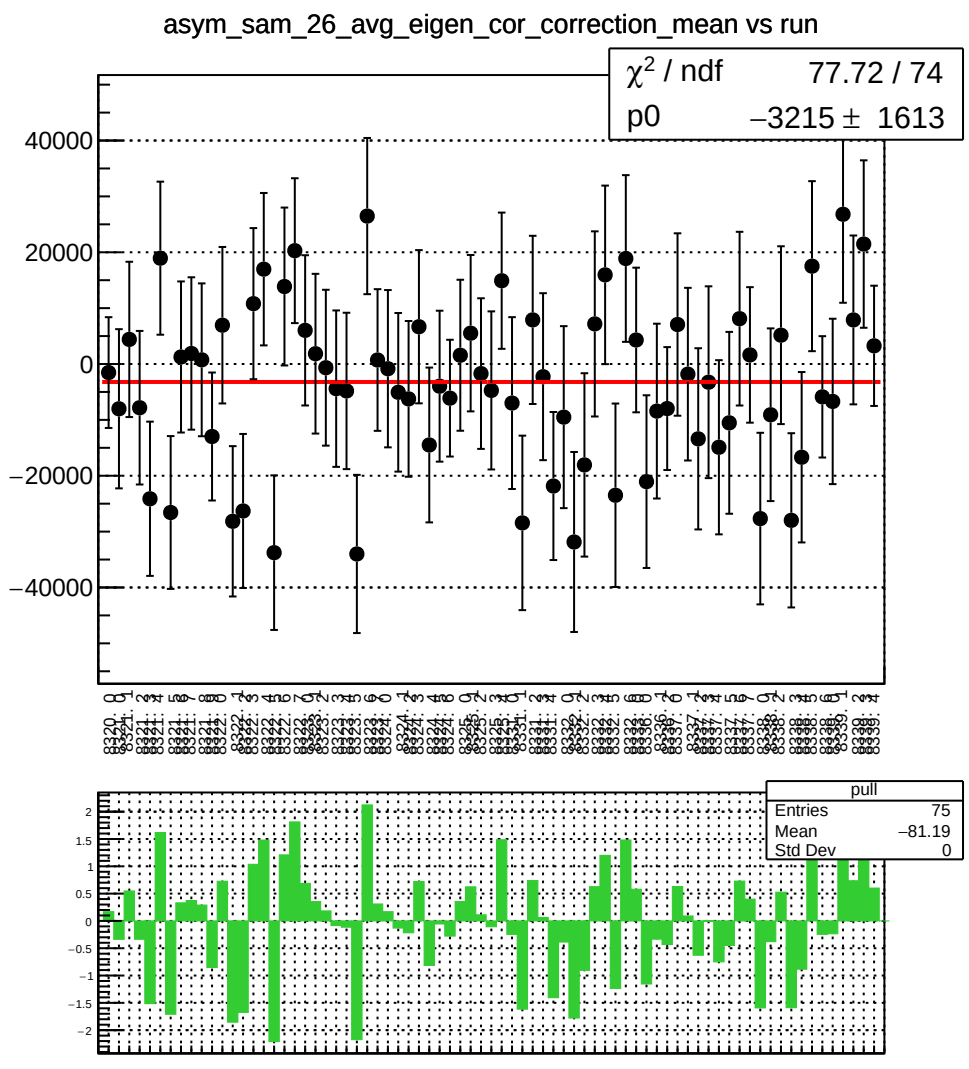

pull1D
Entries 75
Mean −0.009127
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

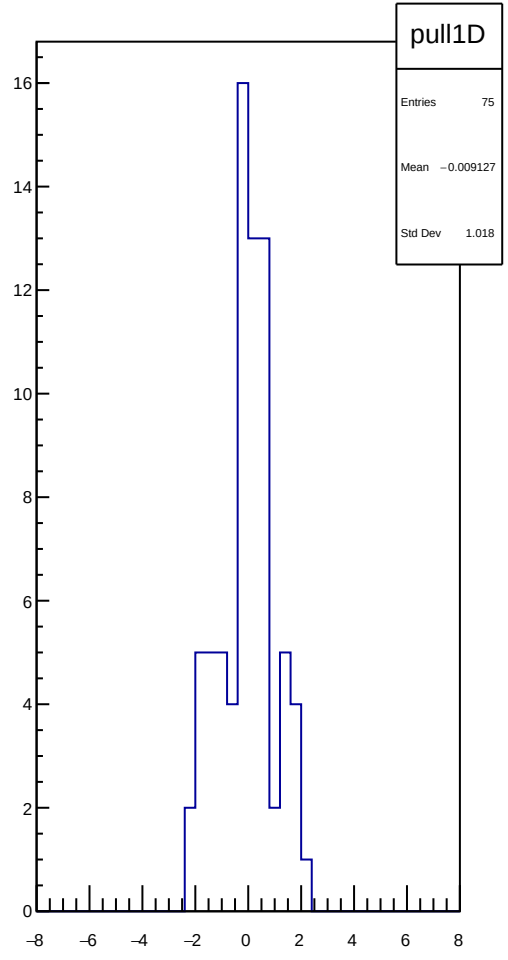

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 6739 / 74
p0 1384 ± 1.14
1650
1600
1550
1500
1450
1400
1350
1300
1250

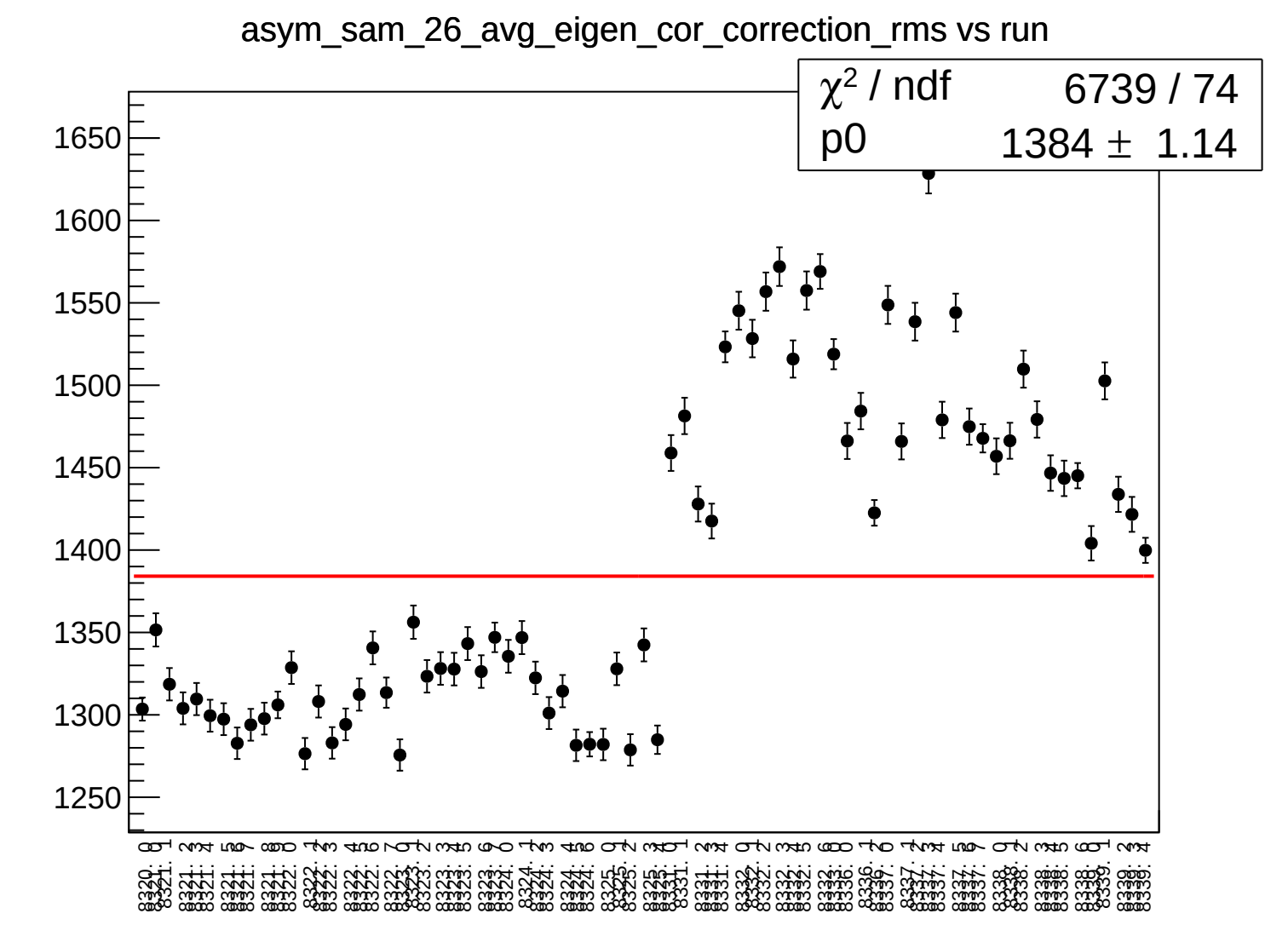

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 67.19 / 74
p0 11.42 ± 144.5
4000
2000
0
−2000
−4000
pull
Entries 75
Mean 154.4
Std Dev 0
2
1
0
−1
−2

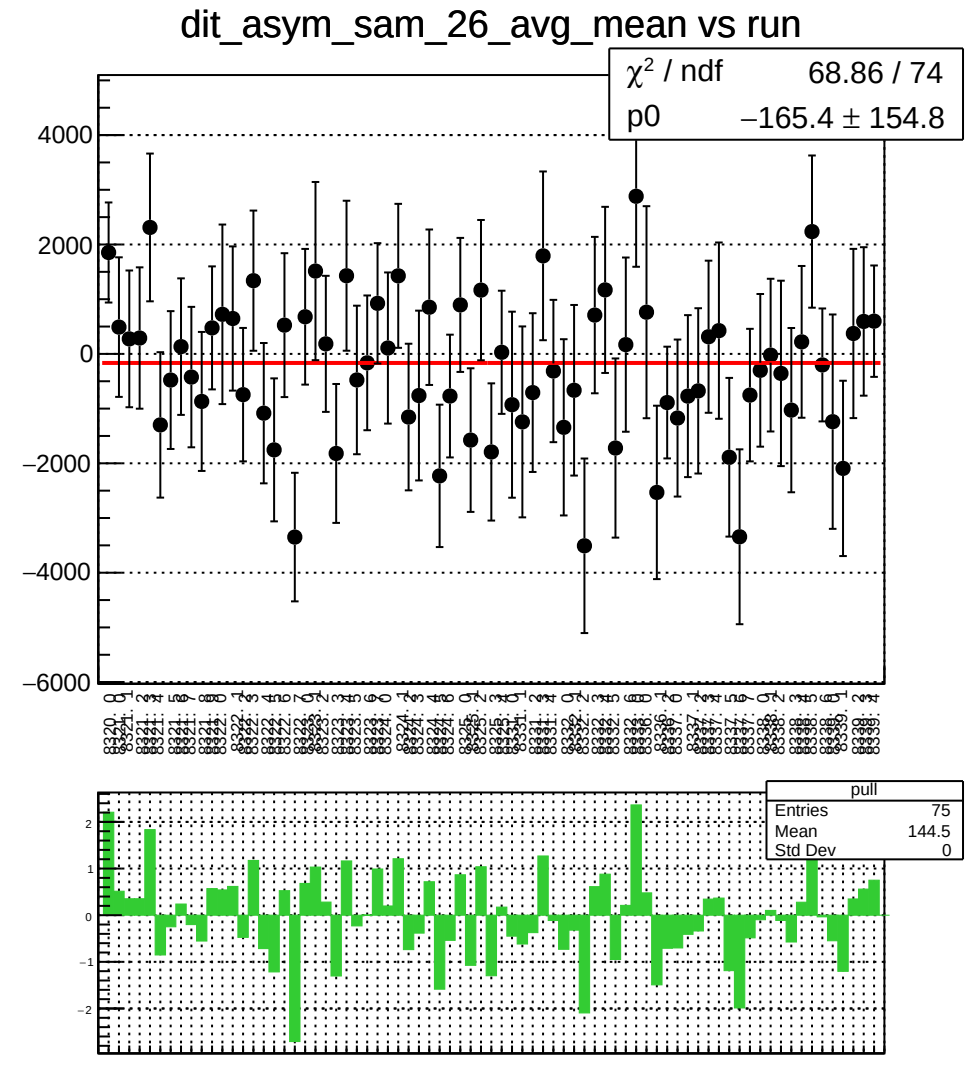

pull1D
Entries 75
Mean −0.0177
Std Dev 0.9463
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

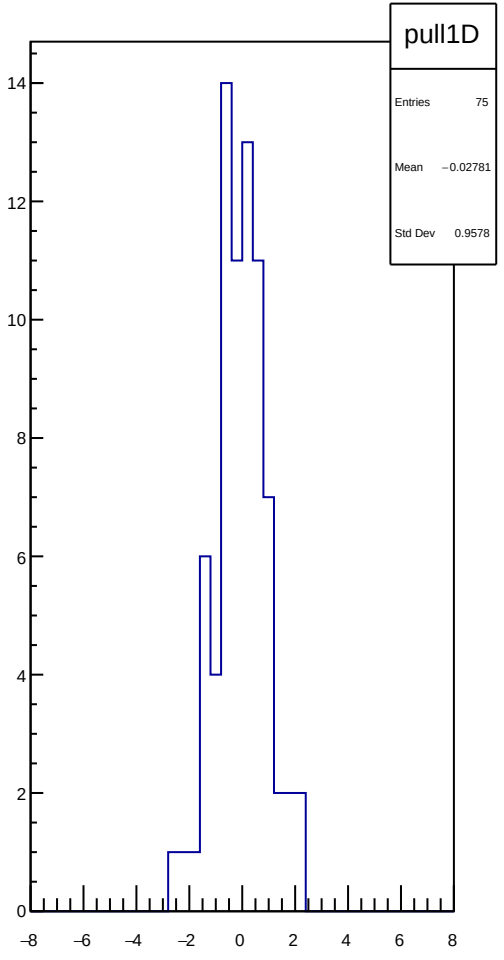

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.581e+04 / 74
p0 123.6 ± 0.1022
180
170
160
150
140
130
120
110

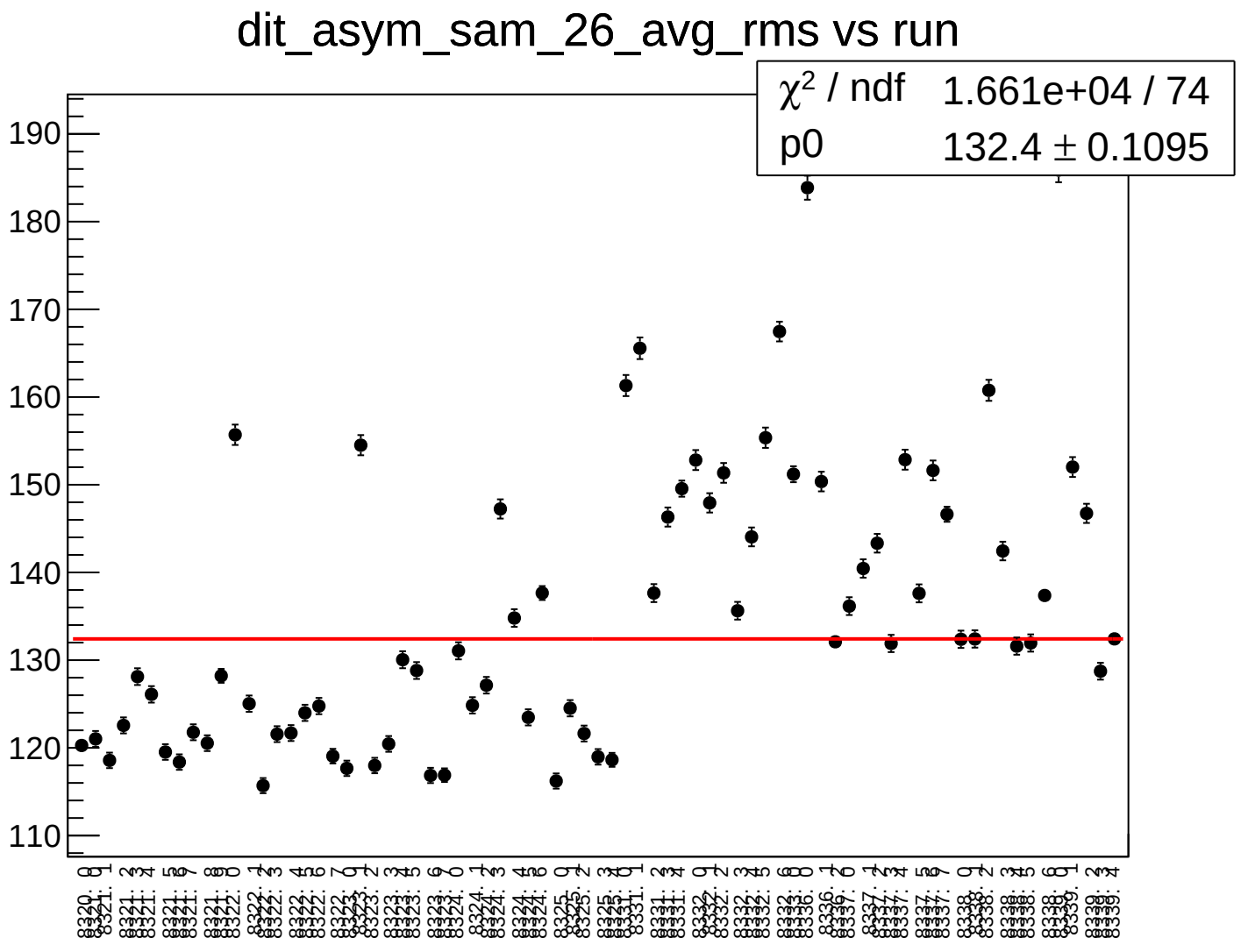

asym_sam_26_avg_eigen_cor_correction_mean vs run
χ² / ndf 77.72 / 74
p0 −3215 ± 1613
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −81.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

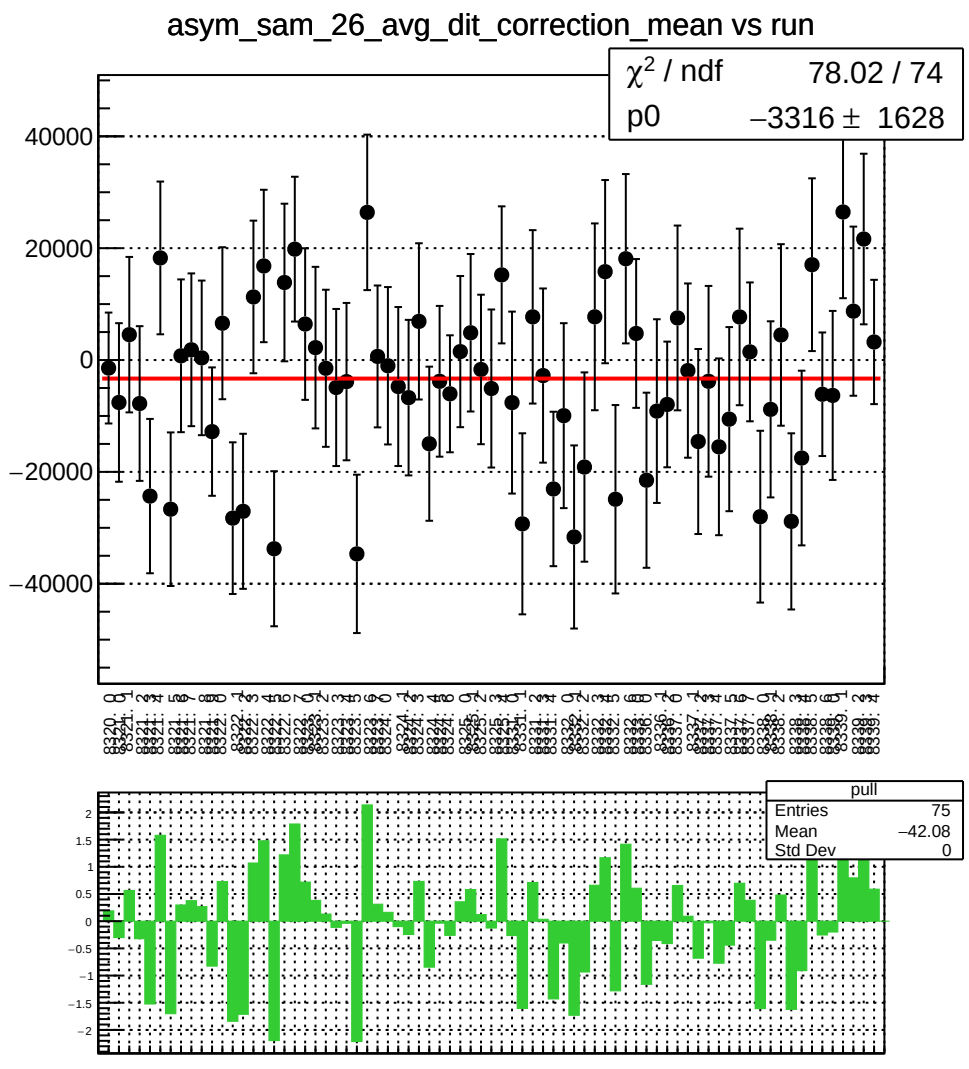

pull1D
Entries 75
Mean −0.009127
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

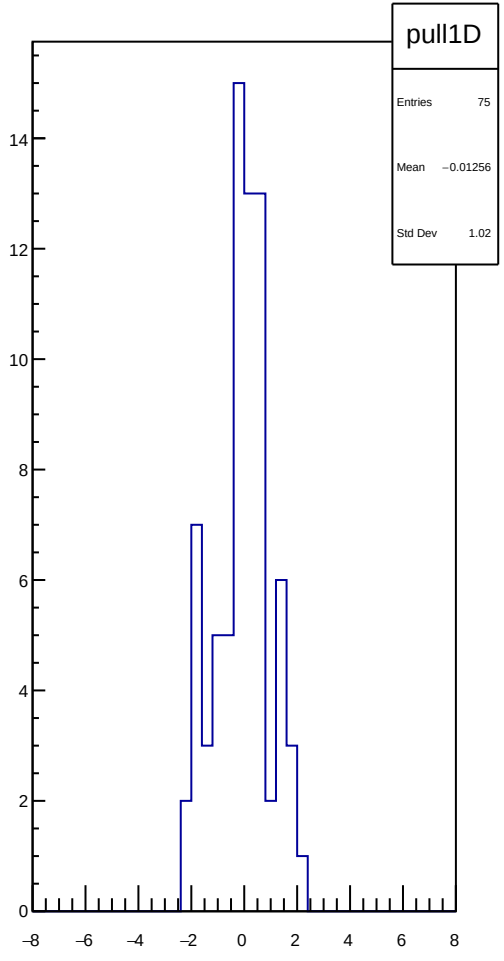

asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 6739 / 74
p0 1384 ± 1.14
1650
1600
1550
1500
1450
1400
1350
1300
1250

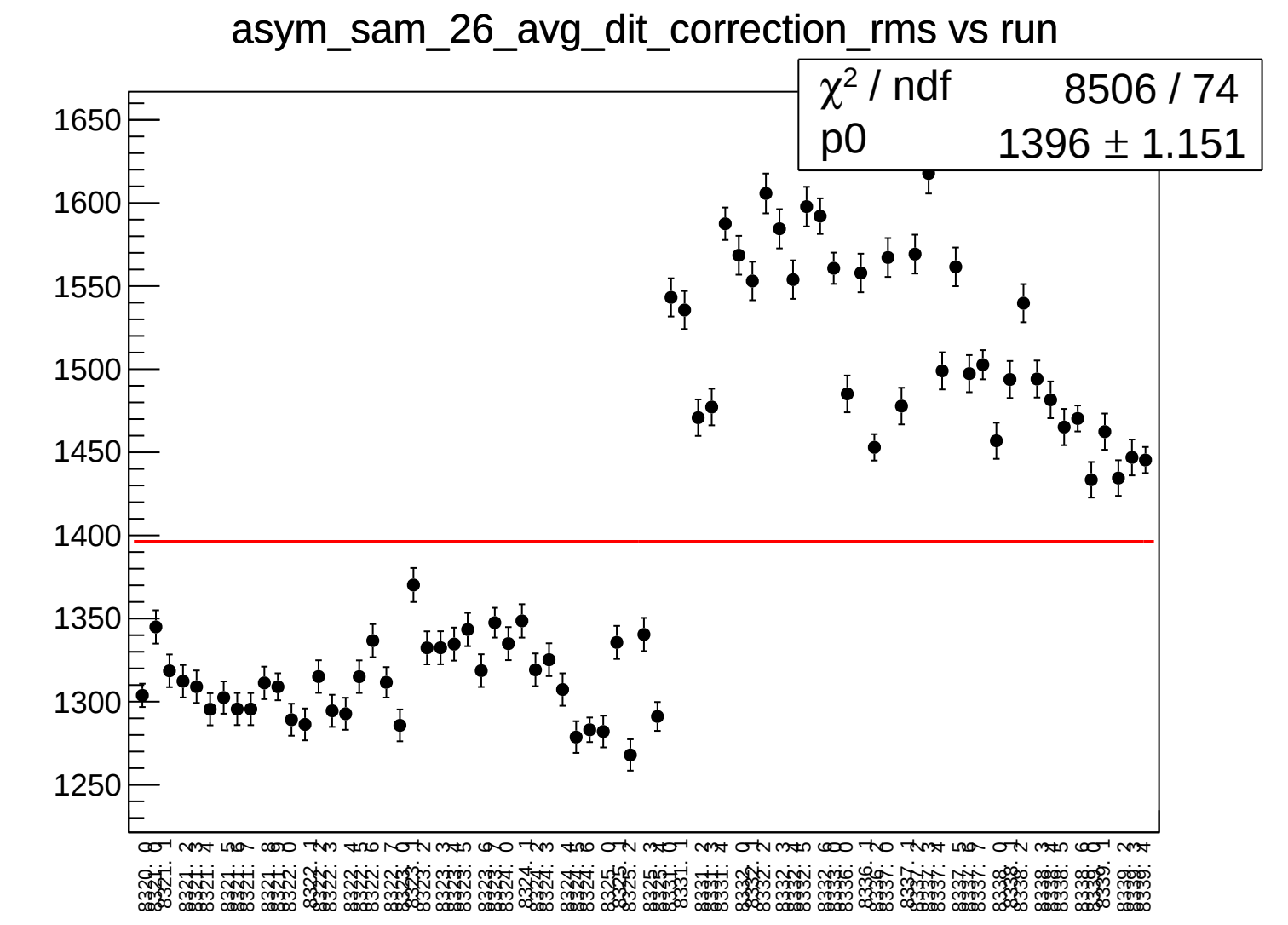

dit_asym_sam_26_avg_mean vs run
χ² / ndf 68.86 / 74
p0 −165.4 ± 154.8
pull
Entries 75
Mean 144.5
Std Dev 0

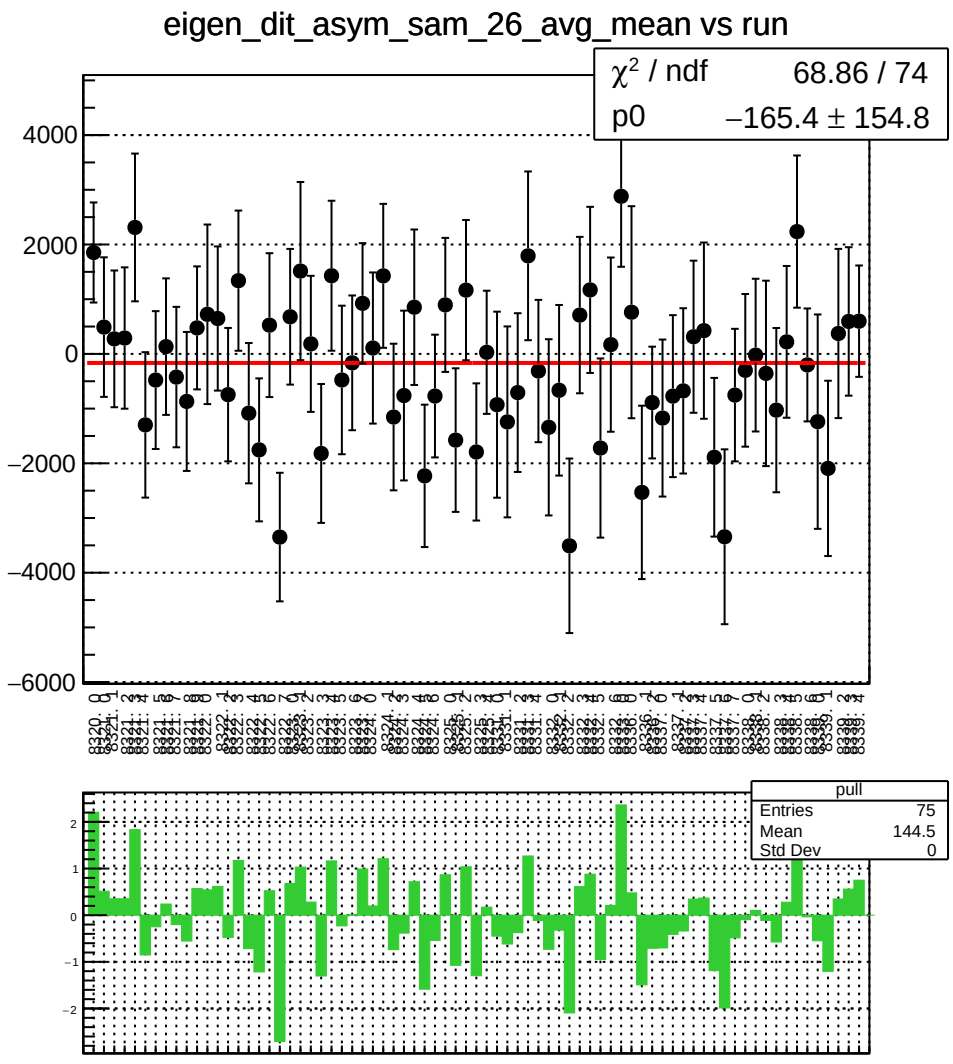

pull1D
Entries 75
Mean −0.02781
Std Dev 0.9578

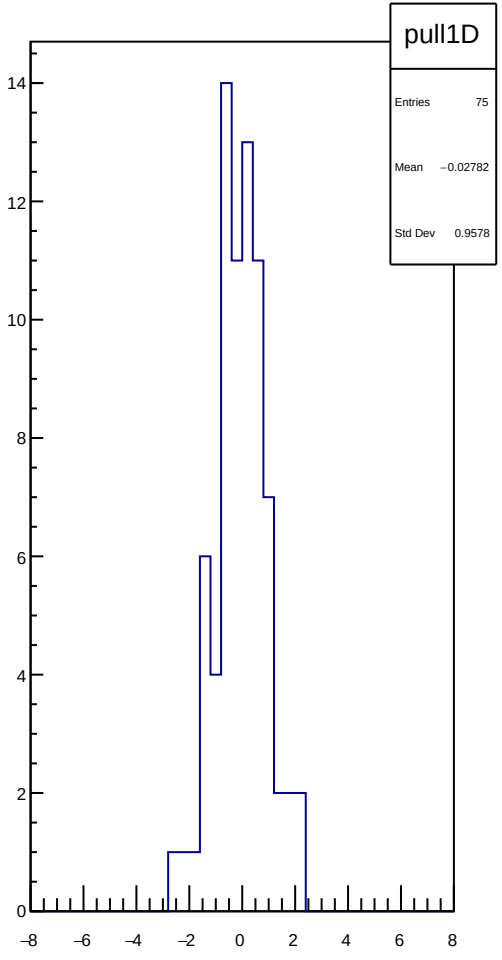

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.661e+04 / 74
p0 132.4 ± 0.1095
190
180
170
160
150
140
130
120
110

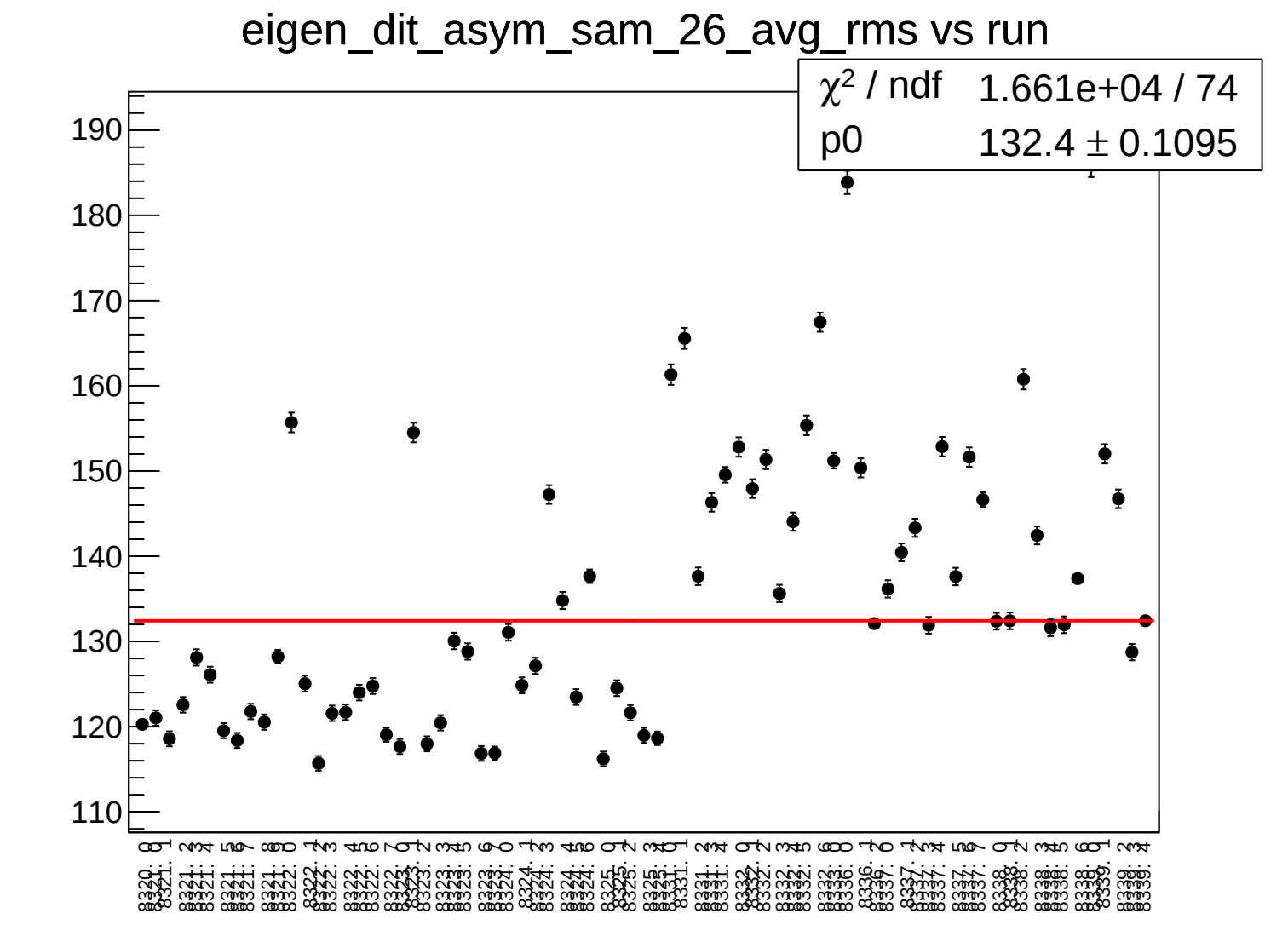

asym_sam_26_avg_dit_correction_mean vs run
χ² / ndf 78.02 / 74
p0 −3316 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −42.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

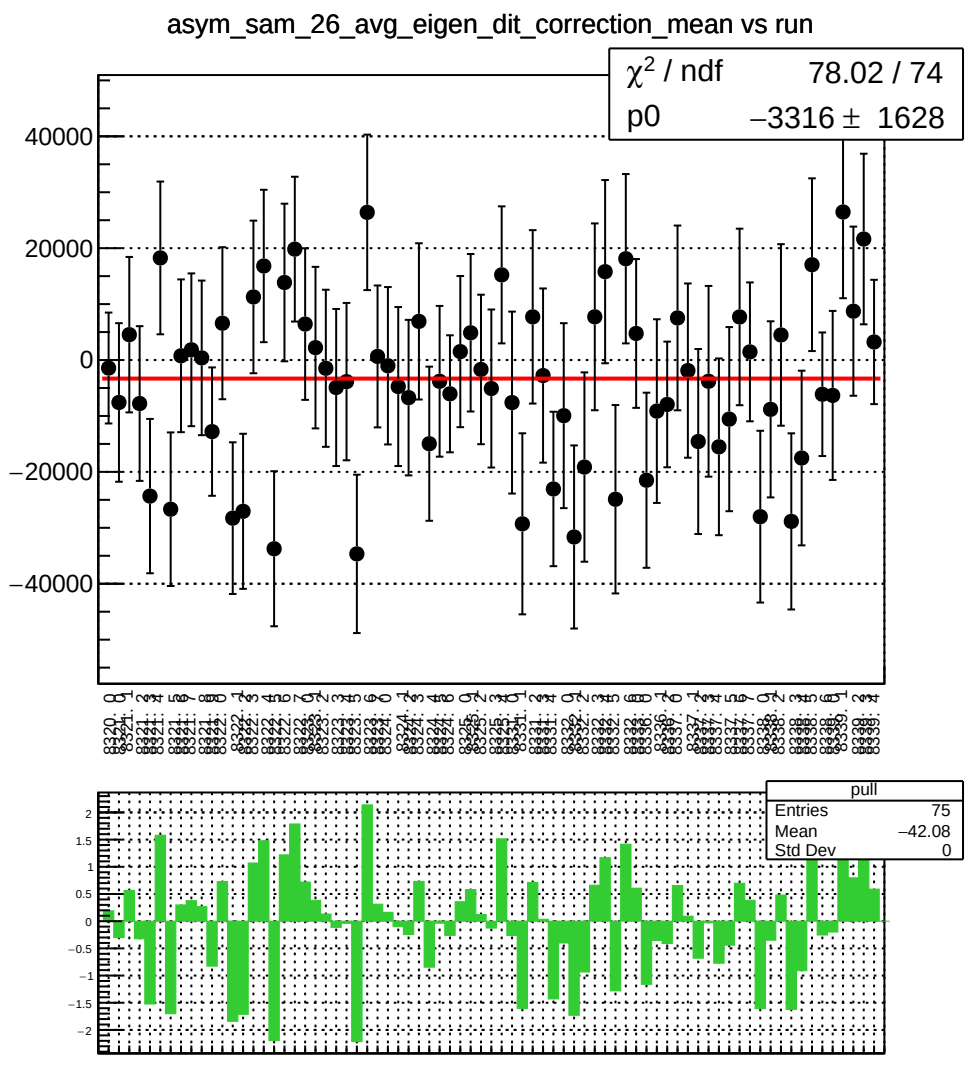

pull1D
Entries 75
Mean −0.01256
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

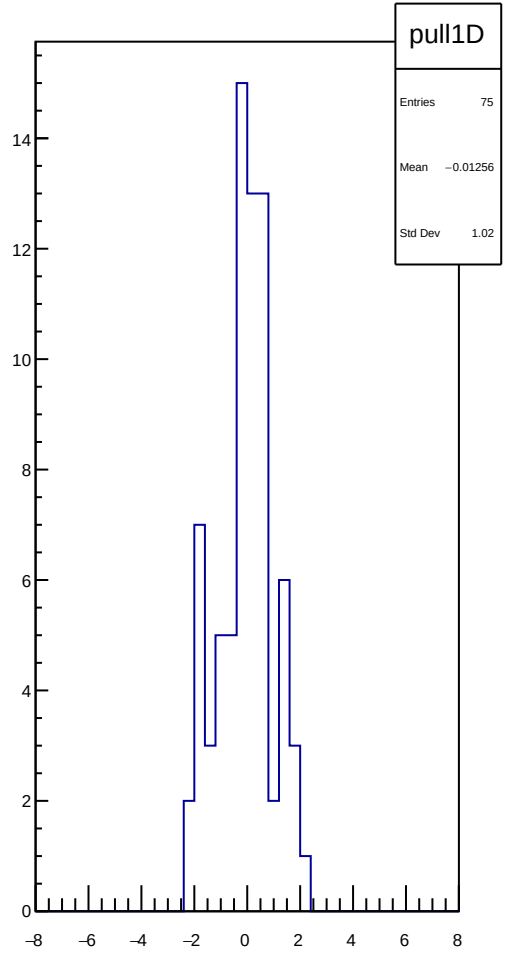

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 8506 / 74
p0 1396 ± 1.151
1650
1600
1550
1500
1450
1400
1350
1300
1250

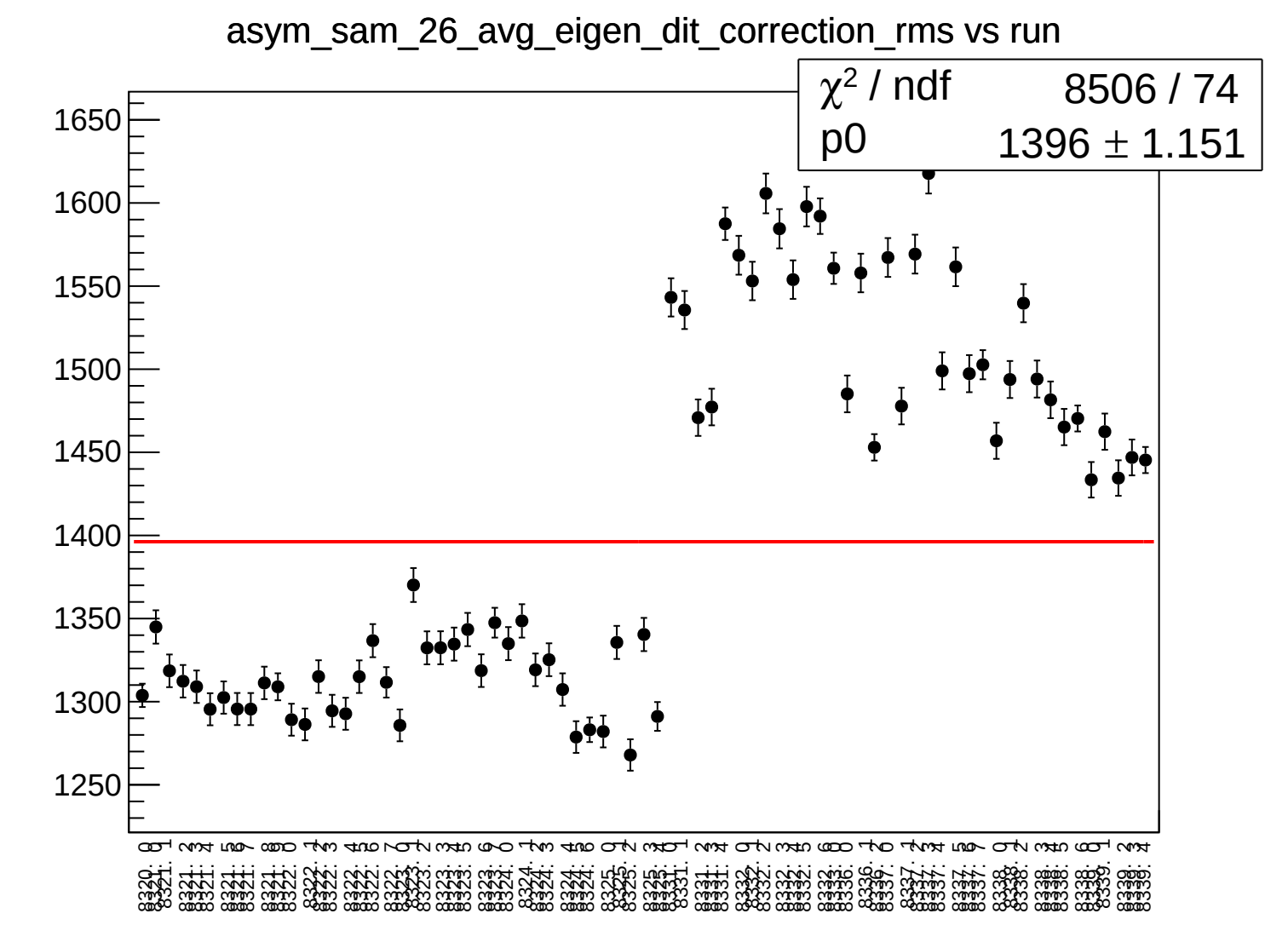

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 68.86 / 74
p0 −165.4 ± 154.8
pull
Entries 75
Mean 144.5
Std Dev 0

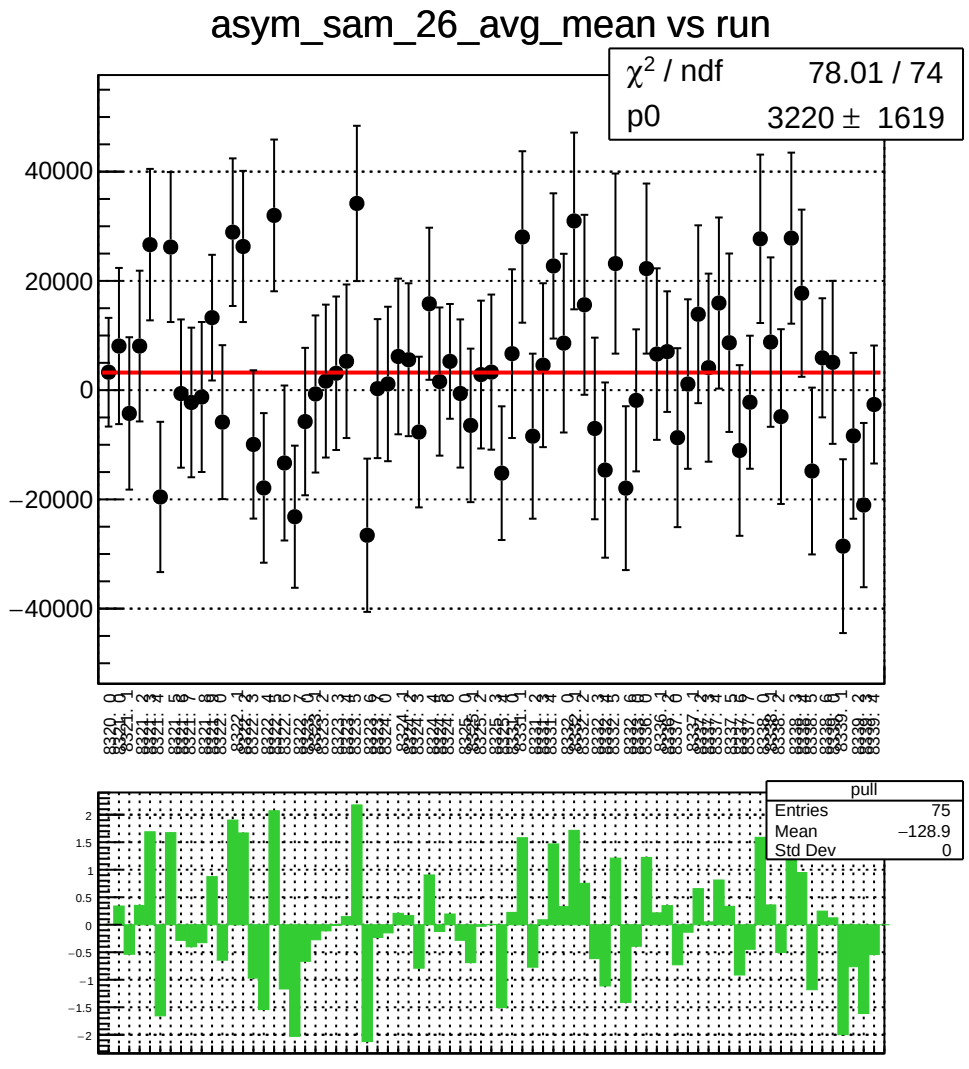

pull1D
Entries 75
Mean −0.02782
Std Dev 0.9578

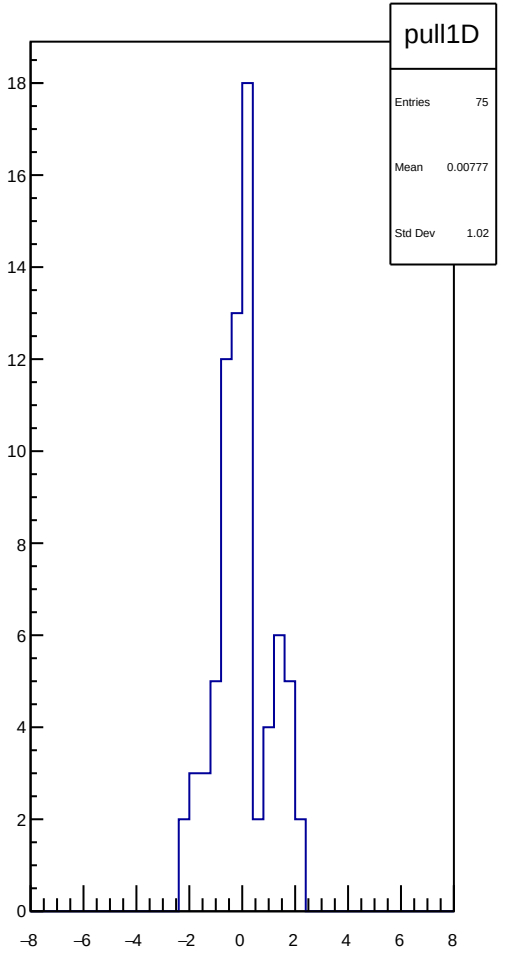

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.661e+04 / 74
p0 132.4 ± 0.1095
190
180
170
160
150
140
130
120
110

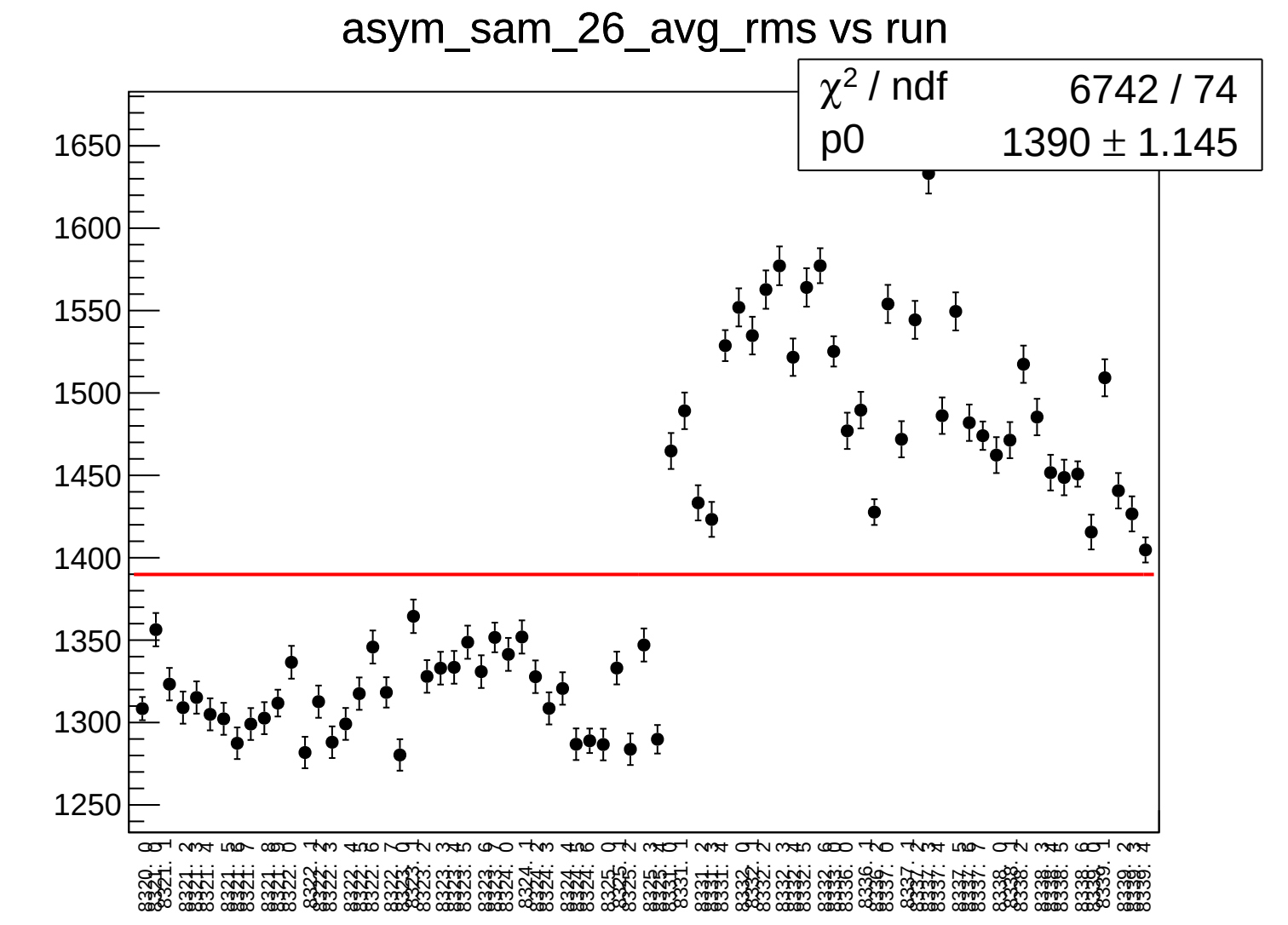

asym_sam_26_avg_eigen_dit_correction_mean vs run
χ² / ndf 78.02 / 74
p0 −3316 ± 1628
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −42.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

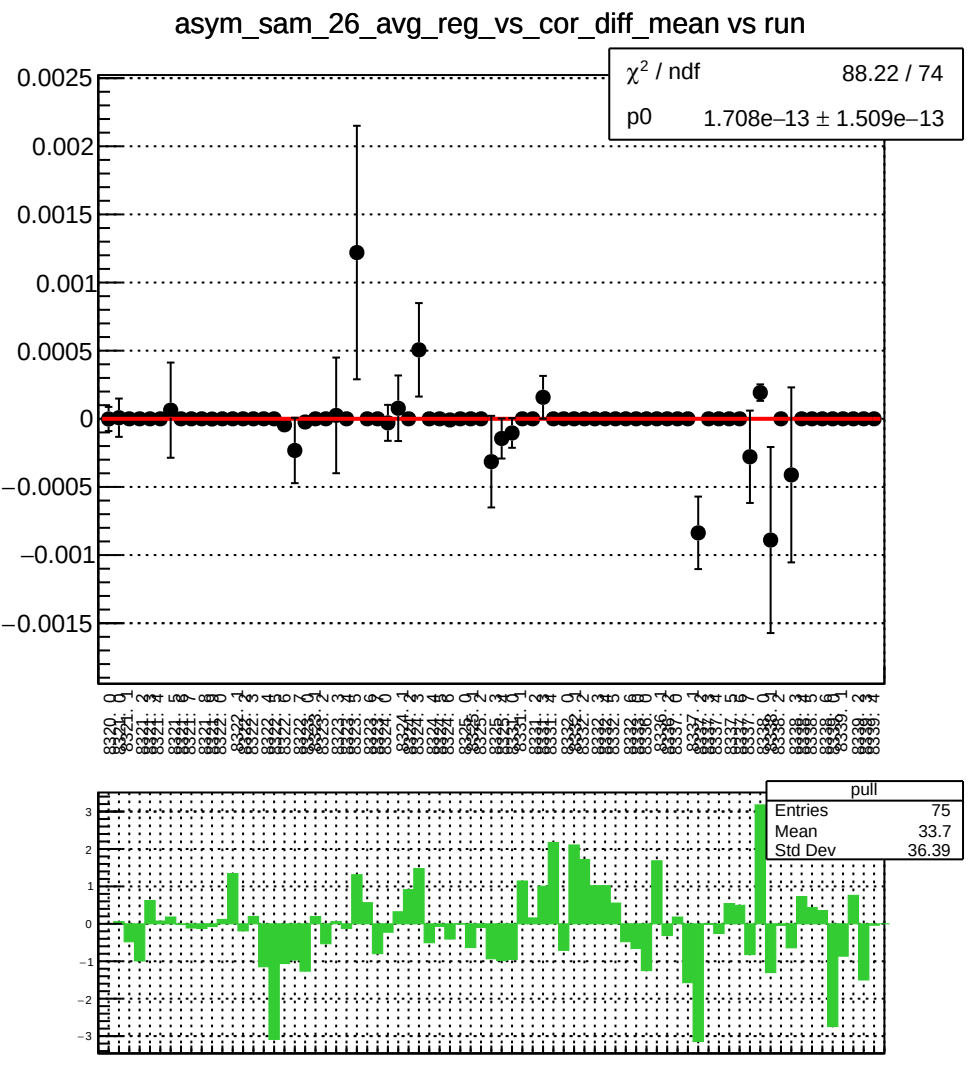

pull1D
Entries 75
Mean −0.01256
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

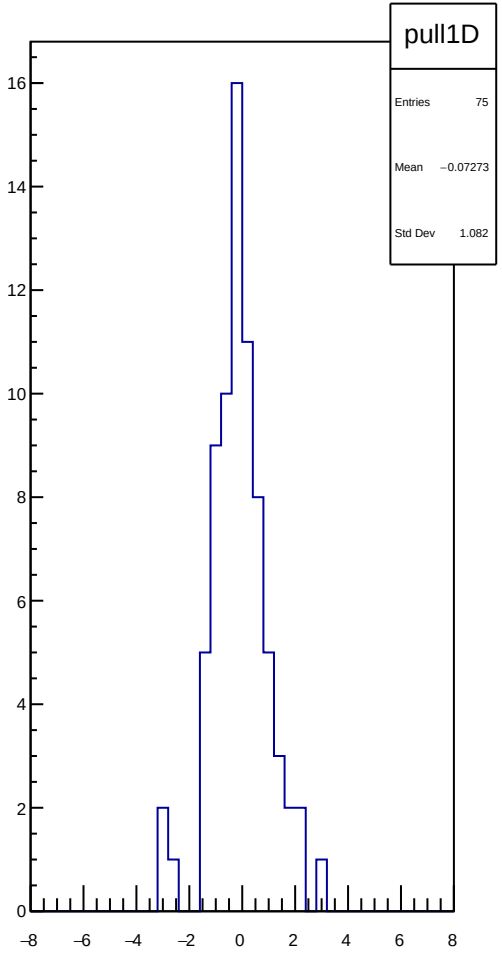

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 8506 / 74
p0 1396 ± 1.151
1650
1600
1550
1500
1450
1400
1350
1300
1250

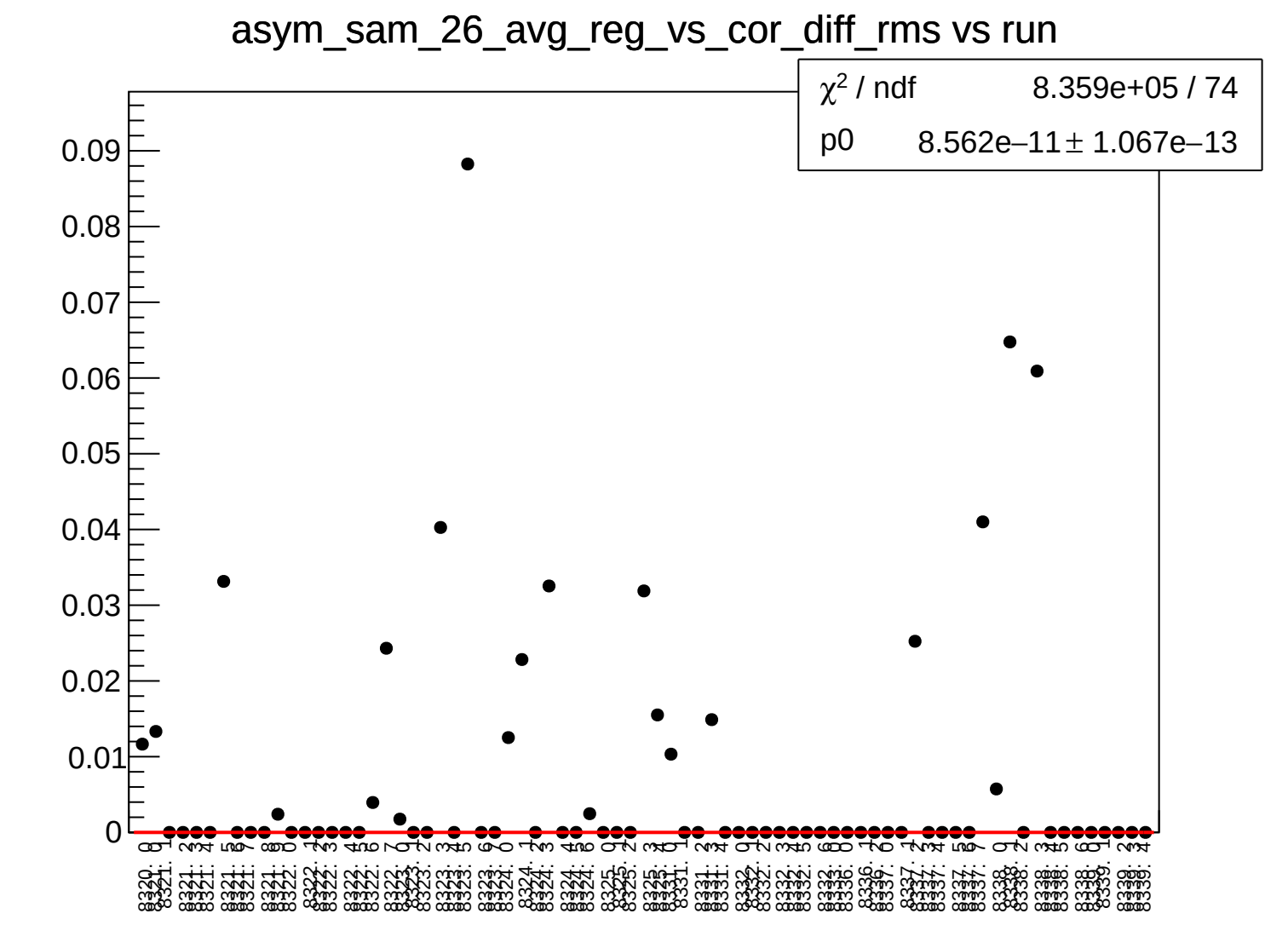

asym_sam_26_avg_mean vs run
χ² / ndf 78.01 / 74
p0 3220 ± 1619
40000
20000
0
−20000
−40000
pull
Entries 75
Mean −128.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

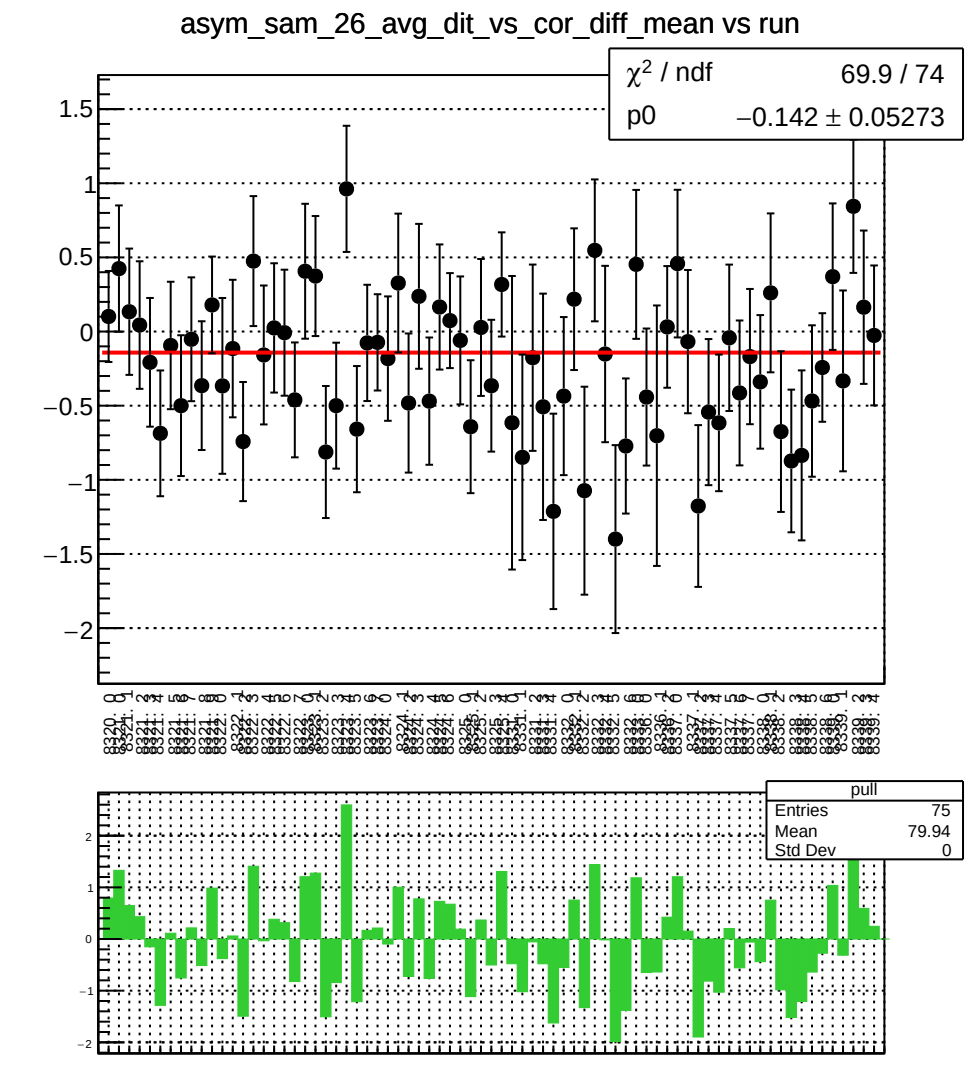

pull1D
Entries 75
Mean 0.00777
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

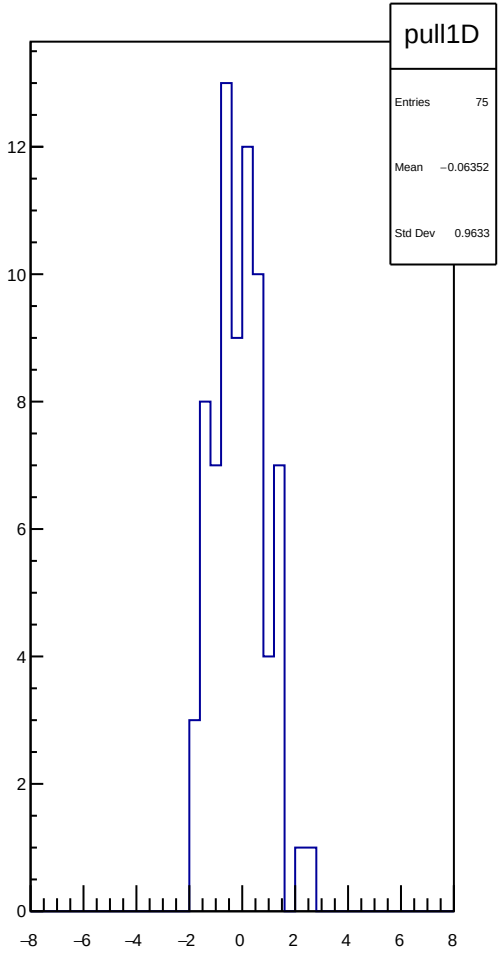

asym_sam_26_avg_rms vs run
χ² / ndf 6742 / 74
p0 1390 ± 1.145
1650
1600
1550
1500
1450
1400
1350
1300
1250

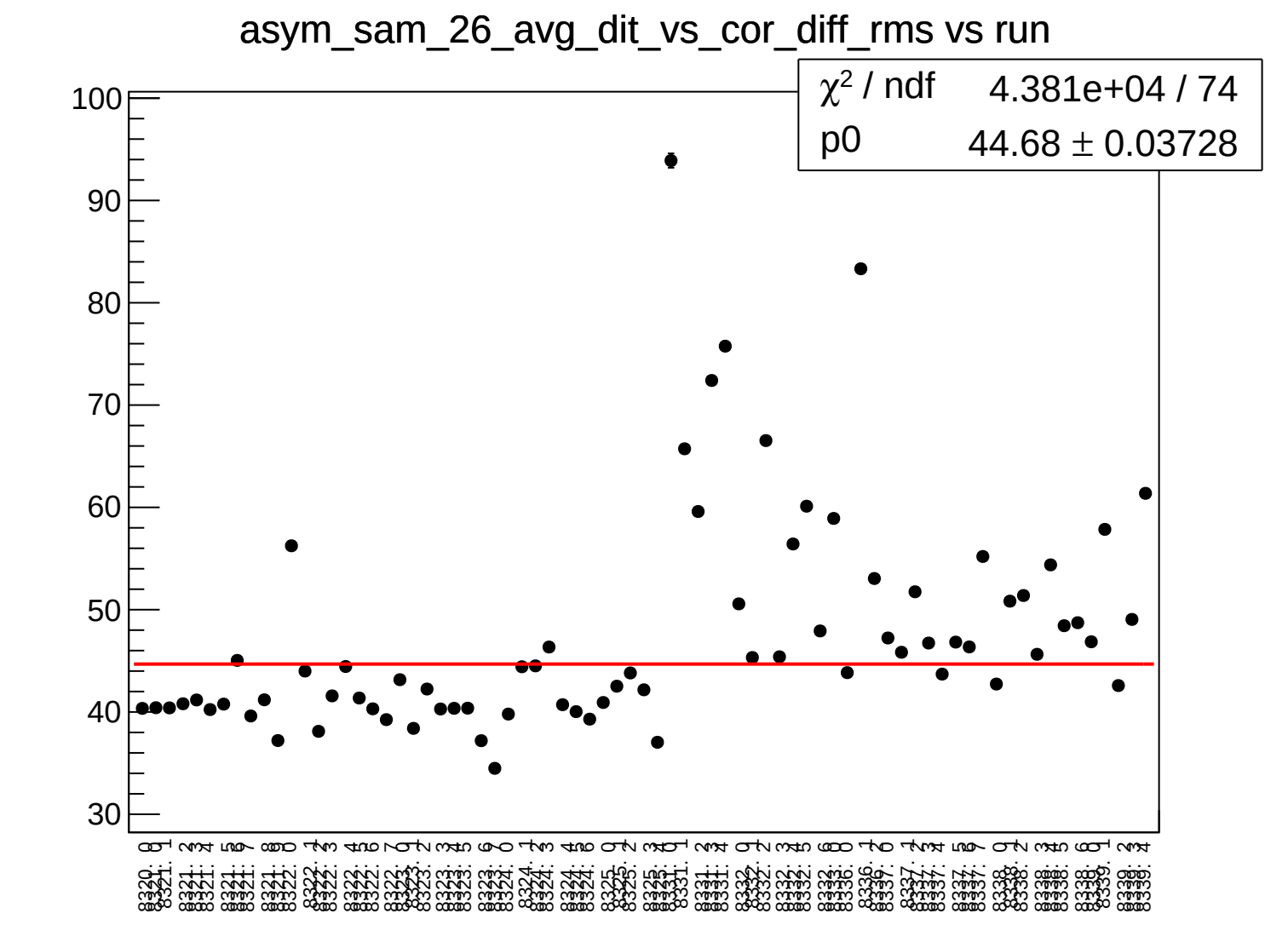

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.22 / 74
p0 1.708e−13 ± 1.509e−13
pull
Entries 75
Mean 33.7
Std Dev 36.39

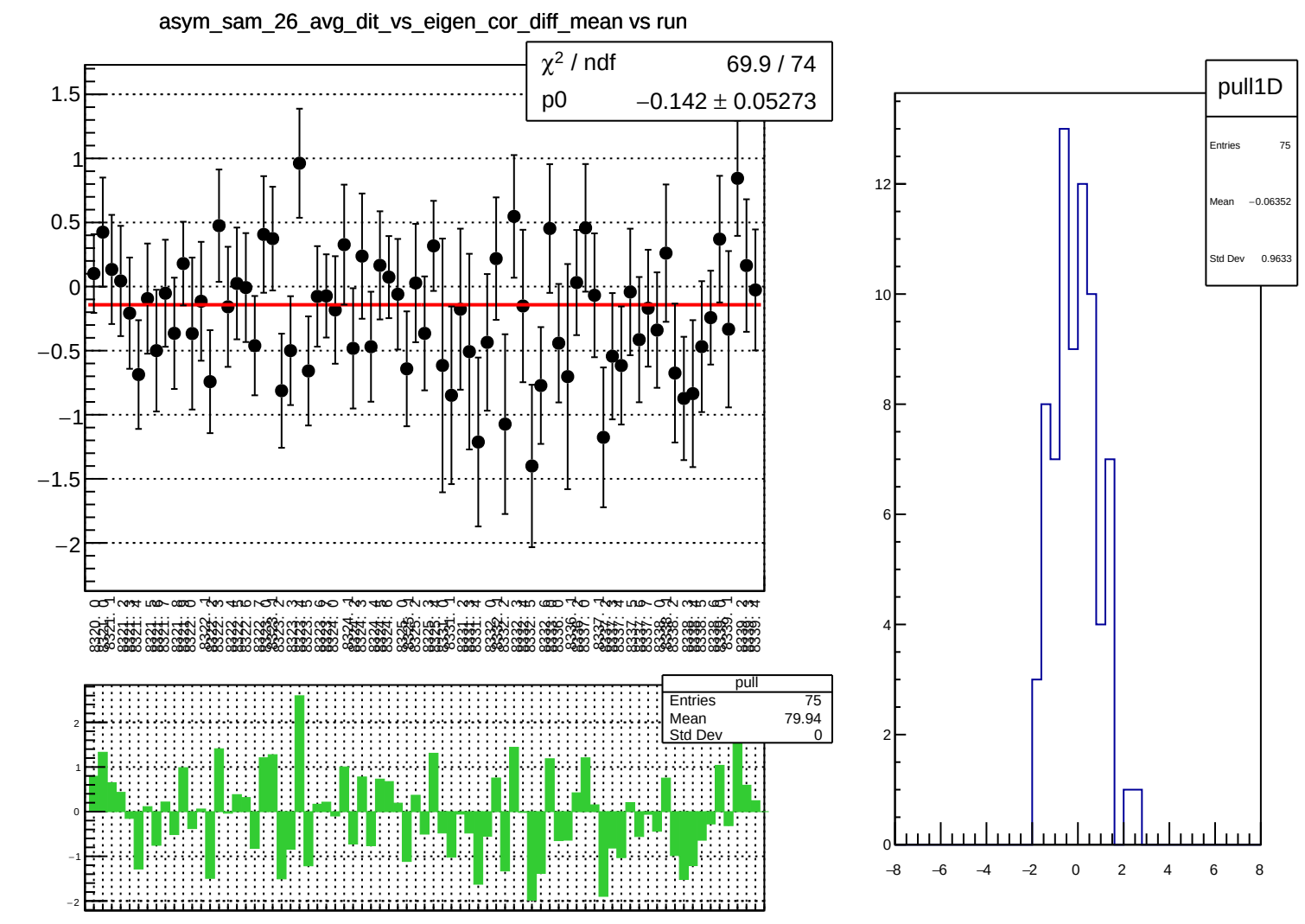

pull1D
Entries 75
Mean −0.07273
Std Dev 1.082

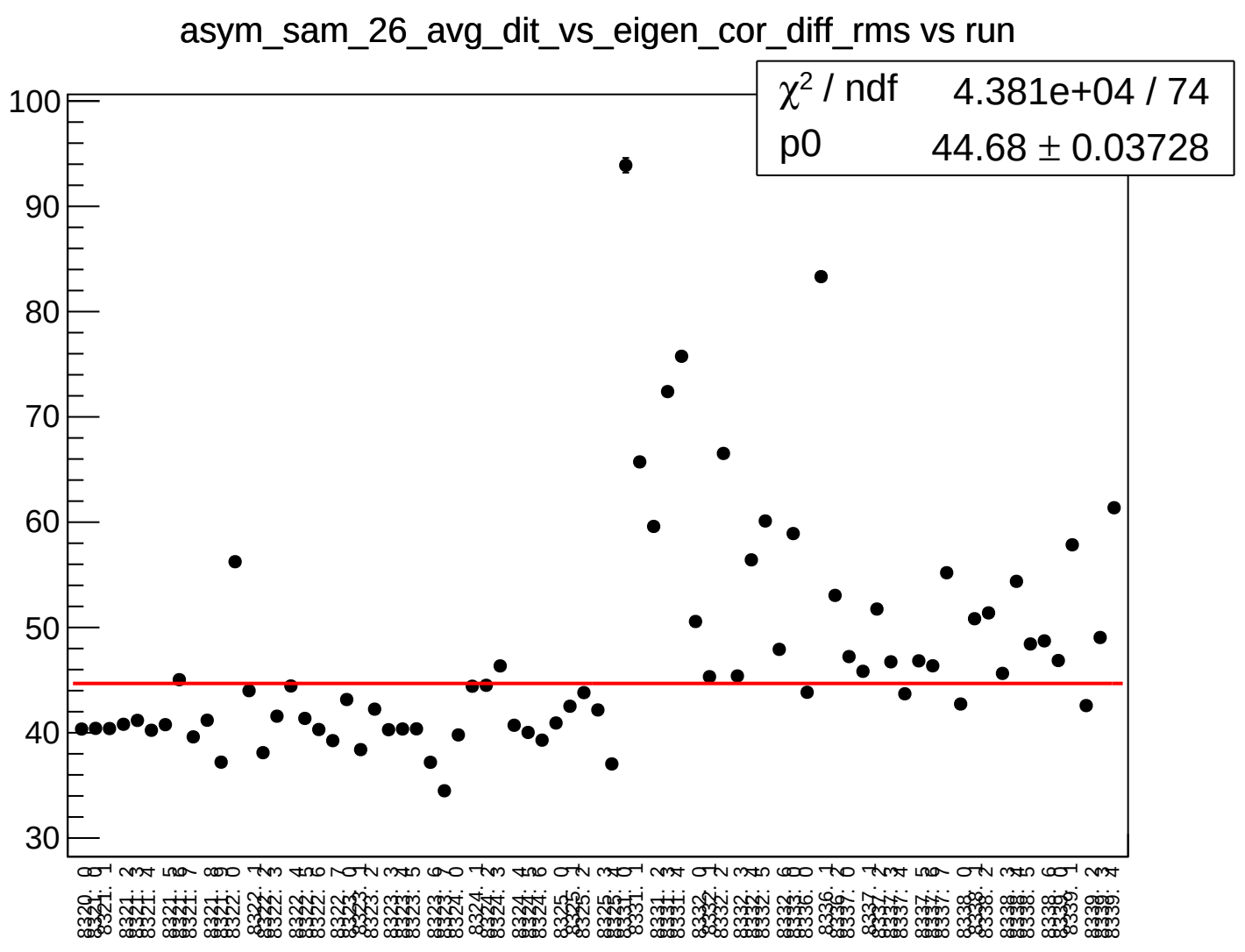

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.359e+05 / 74
p0 8.562e−11 ± 1.067e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

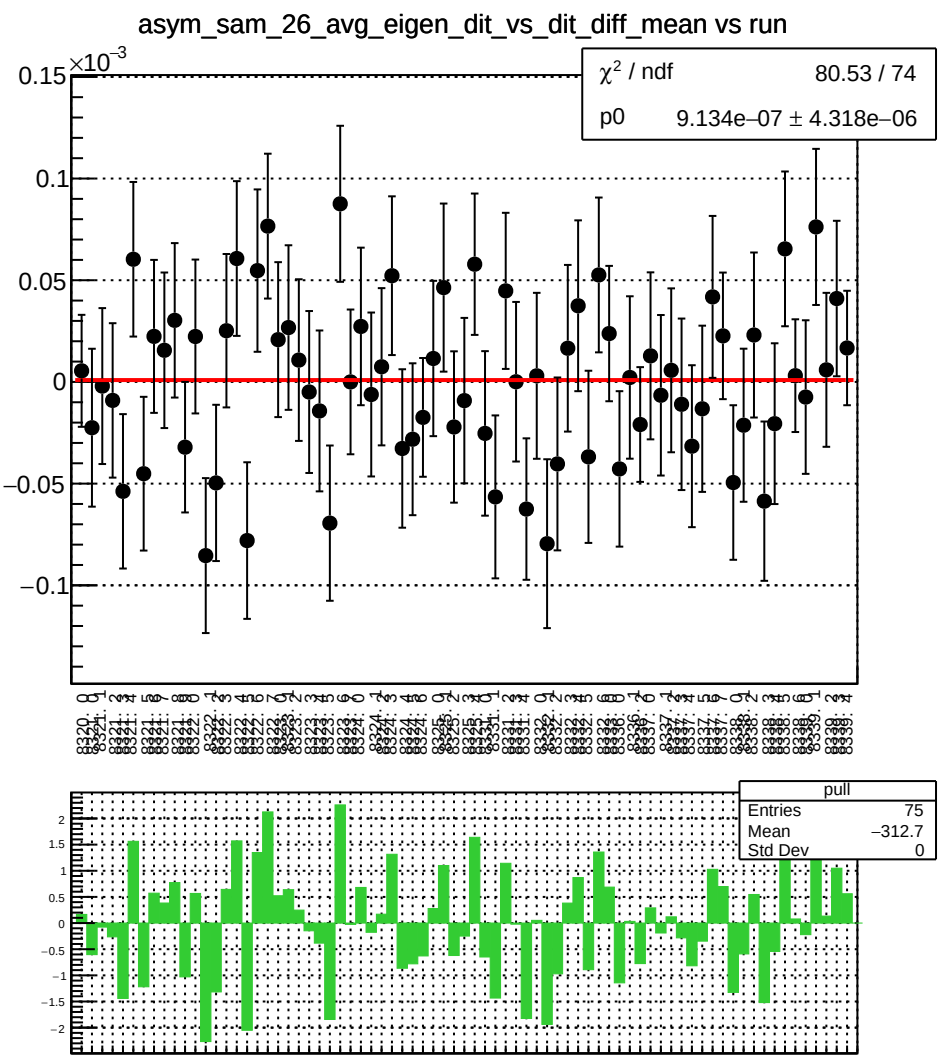

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 69.9 / 74
p0 −0.142 ± 0.05273
pull
Entries 75
Mean 79.94
Std Dev 0

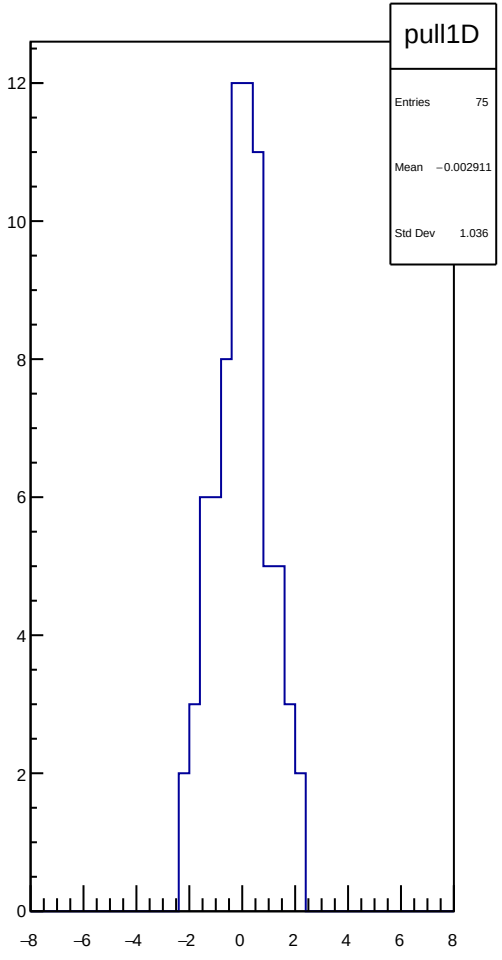

pull1D
Entries 75
Mean −0.06352
Std Dev 0.9633

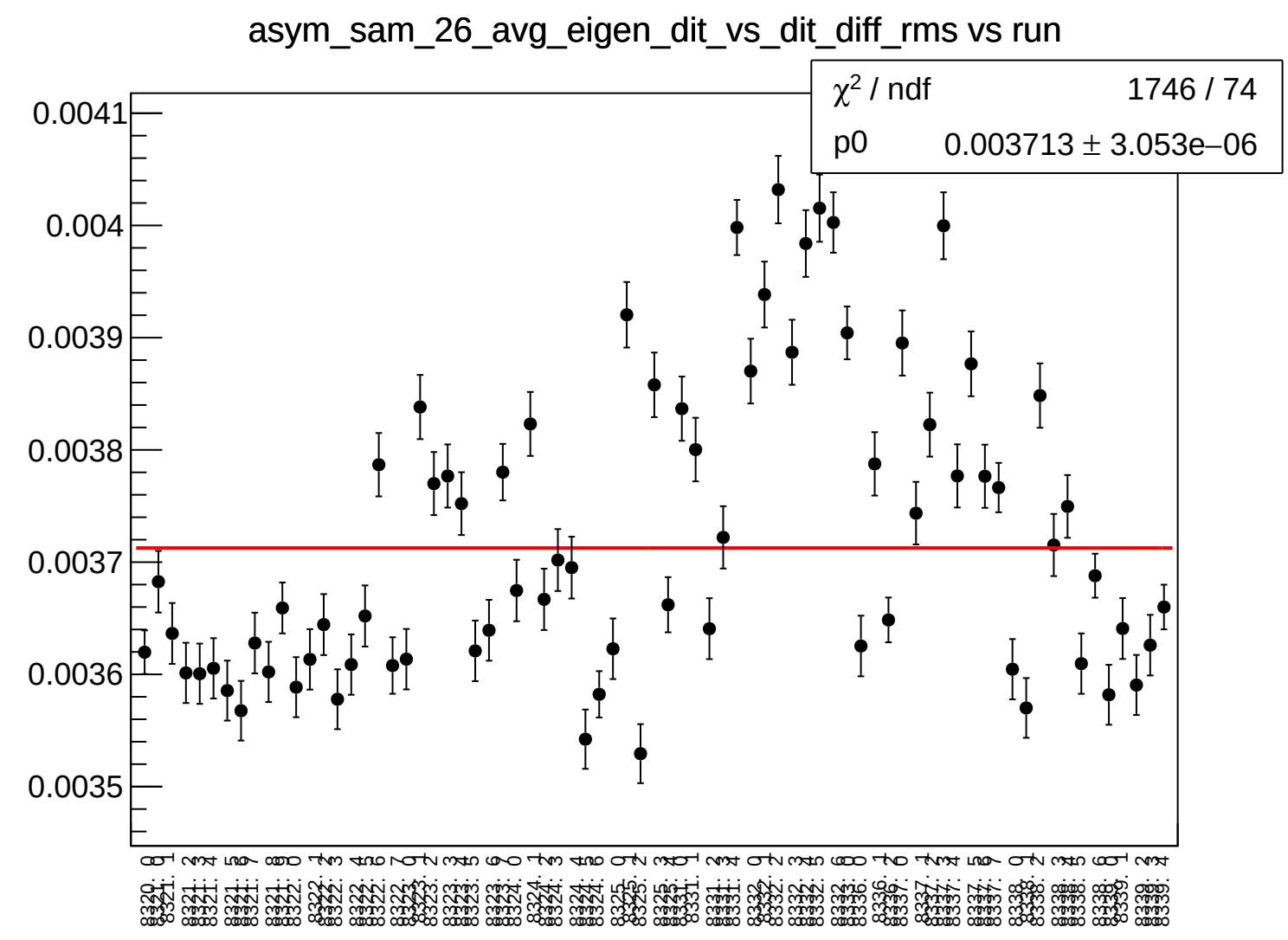

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.381e+04 / 74
p0 44.68 ± 0.03728
100
90
80
70
60
50
40
30

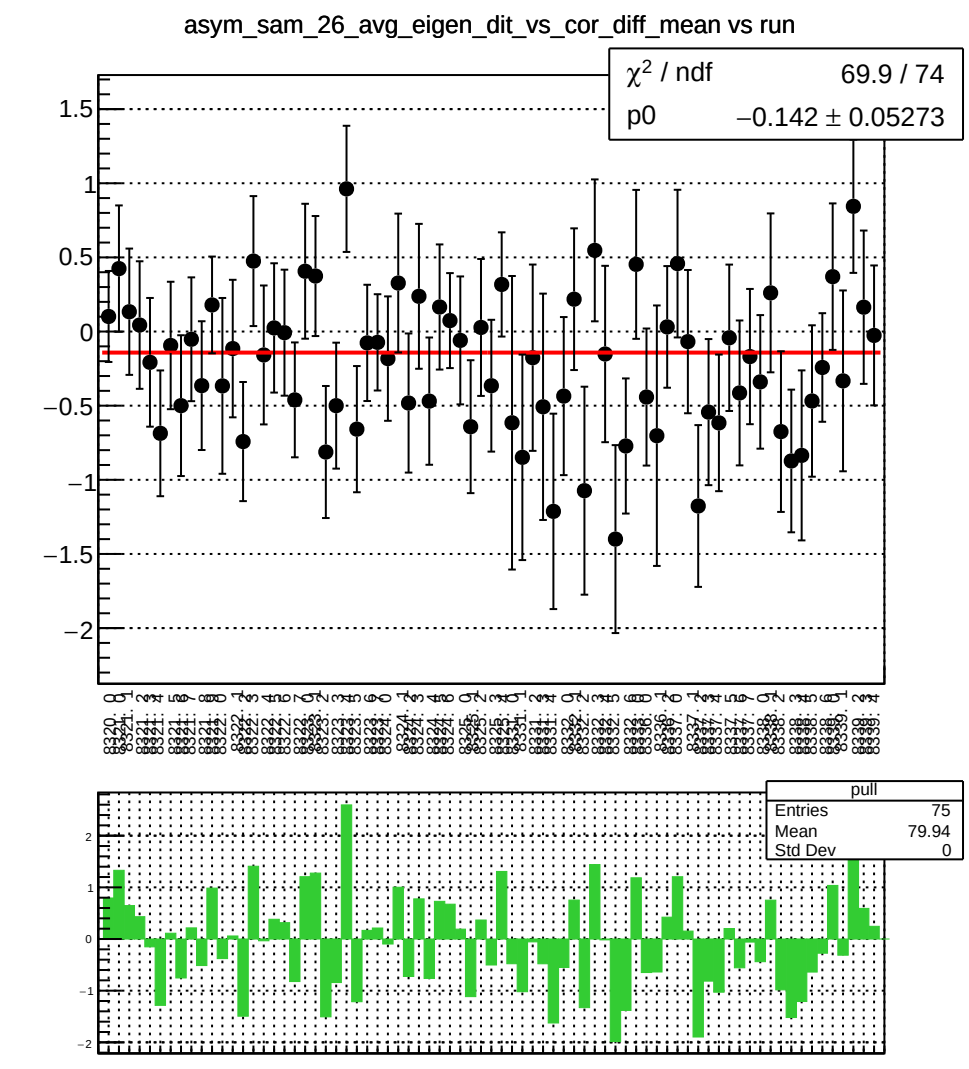

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.9 / 74
p0 −0.142 ± 0.05273
pull
Entries 75
Mean 79.94
Std Dev 0
pull1D
Entries 75
Mean −0.06352
Std Dev 0.9633

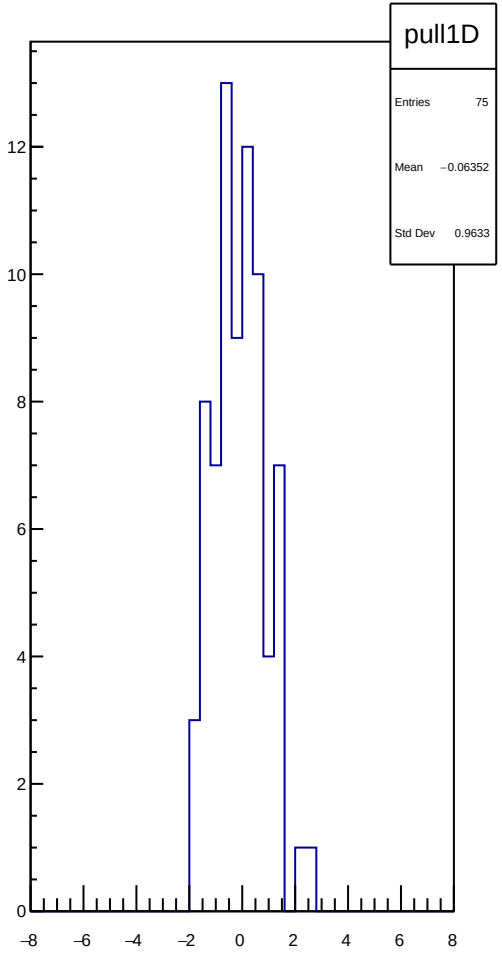

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.381e+04 / 74
p0 44.68 ± 0.03728
100
90
80
70
60
50
40
30

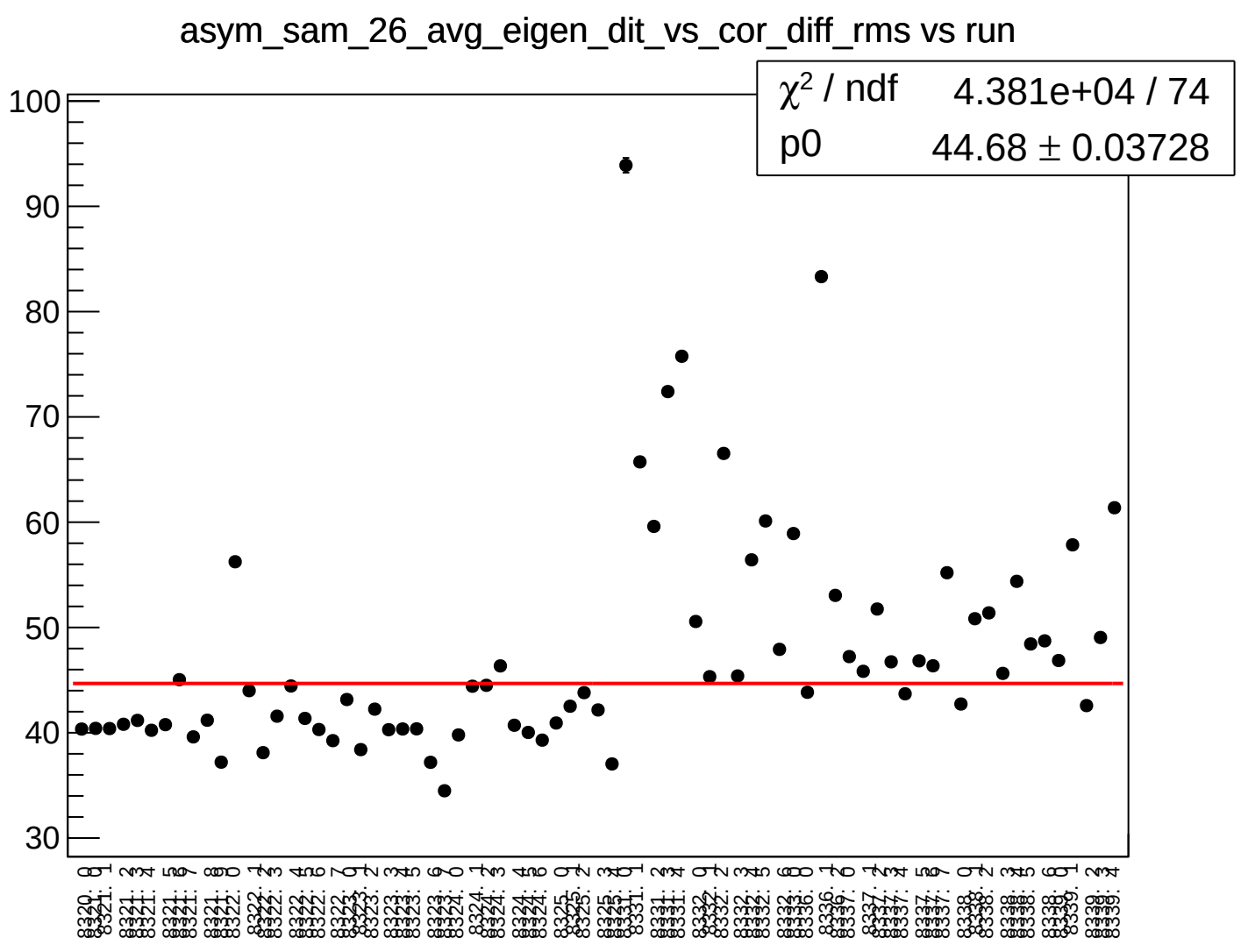

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 80.53 / 74
p0 9.134e−07 ± 4.318e−06
×10⁻³
pull
Entries 75
Mean −312.7
Std Dev 0

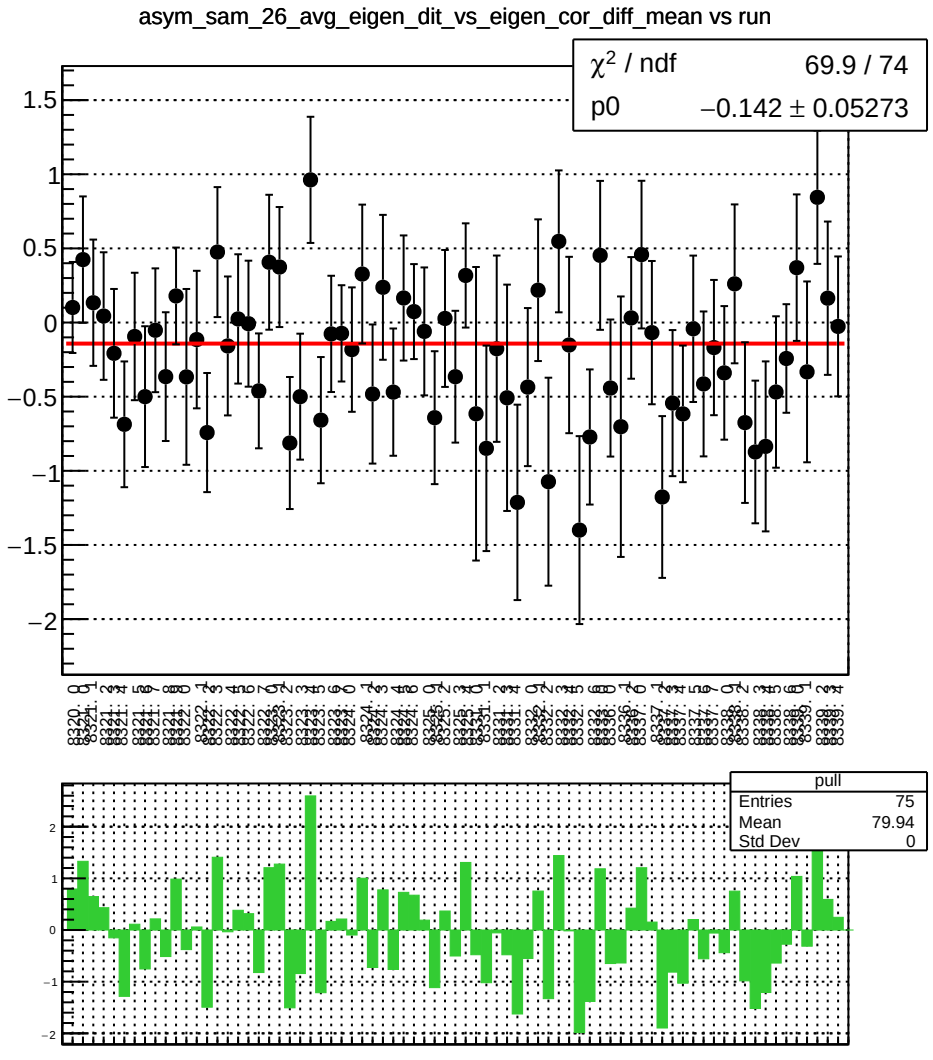

pull1D
Entries 75
Mean −0.002911
Std Dev 1.036

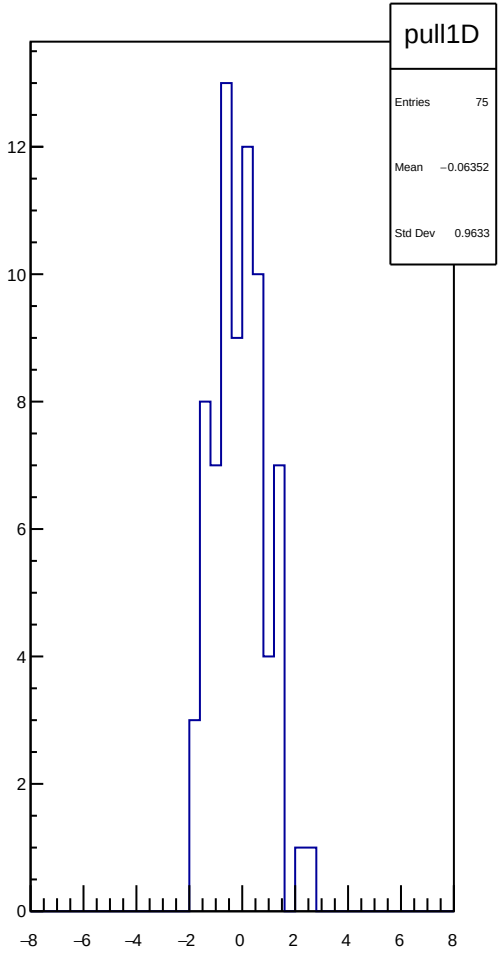

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1746 / 74
p0 0.003713 ± 3.053e−06
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035

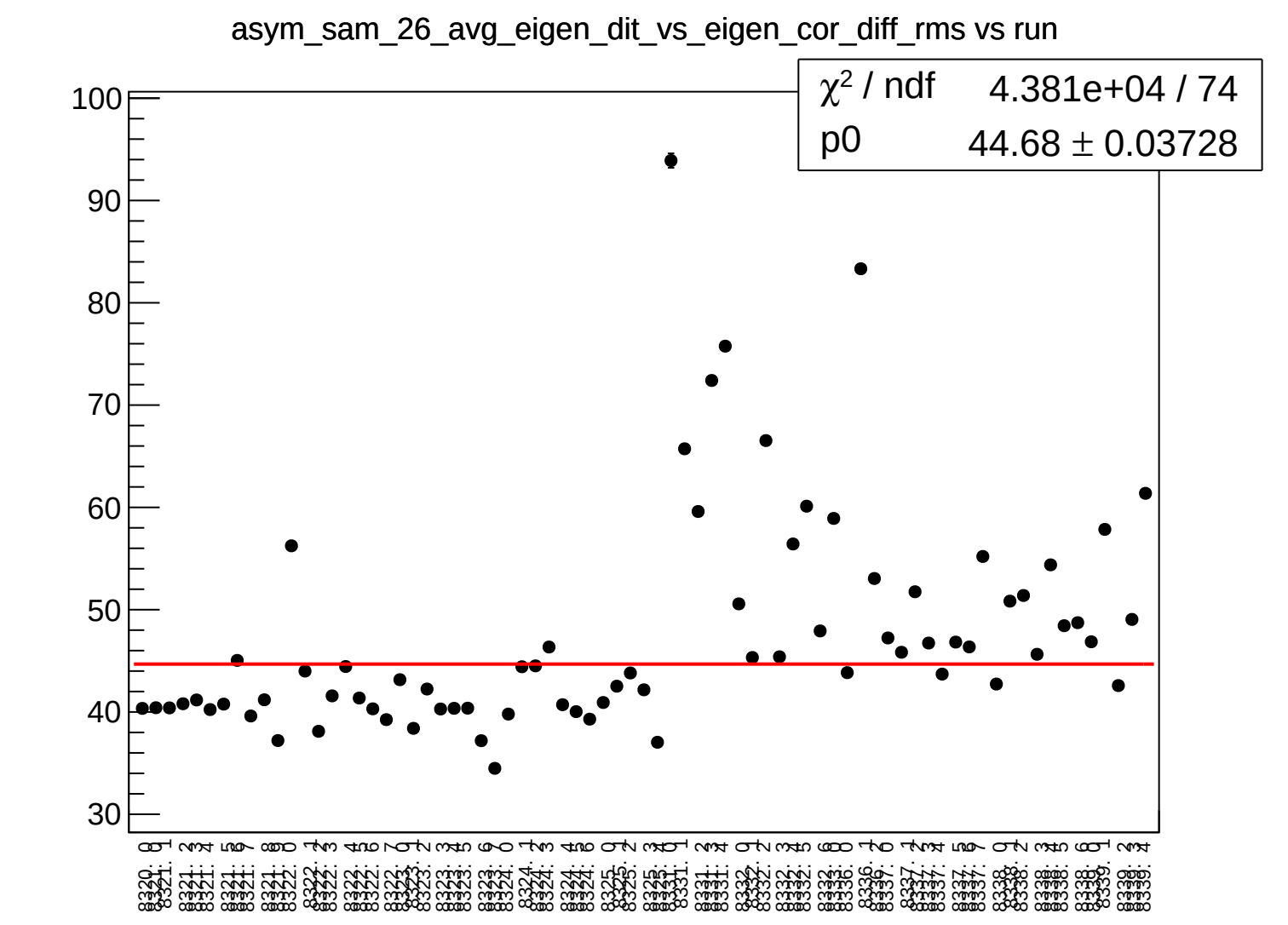

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 69.9 / 74
p0 −0.142 ± 0.05273
pull
Entries 75
Mean 79.94
Std Dev 0

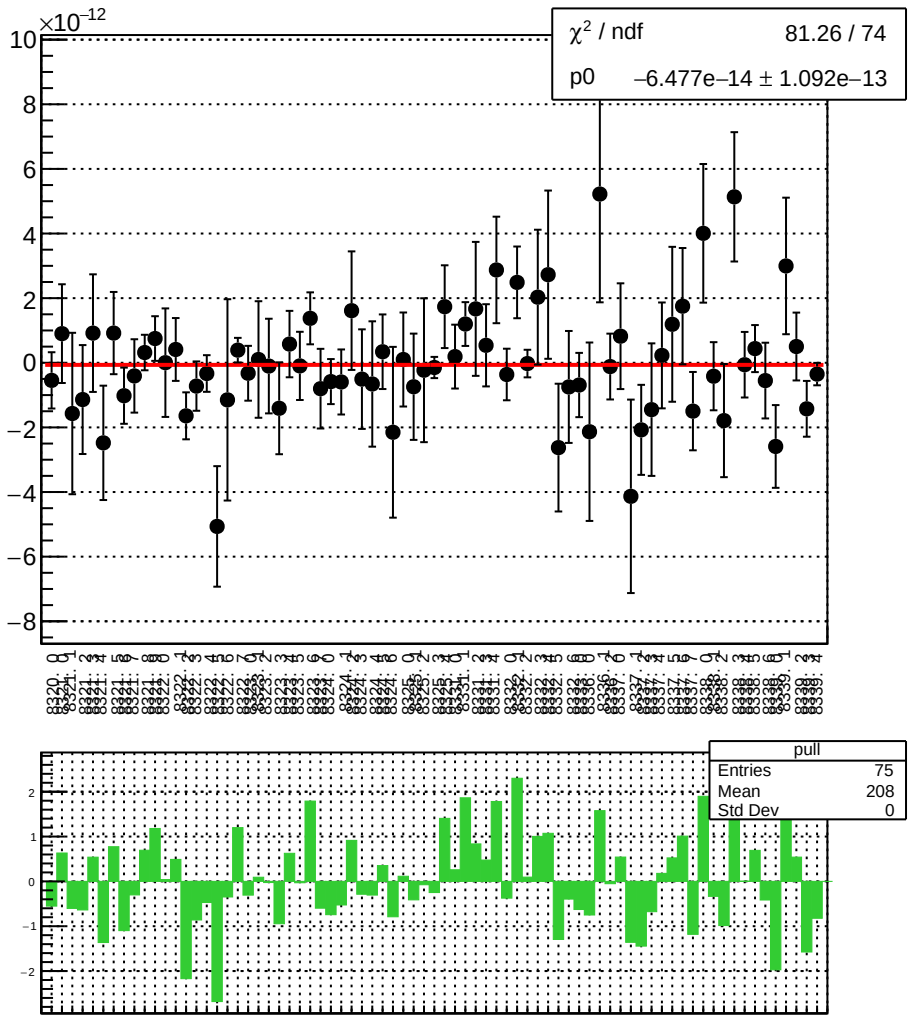

pull1D
Entries 75
Mean −0.06352
Std Dev 0.9633

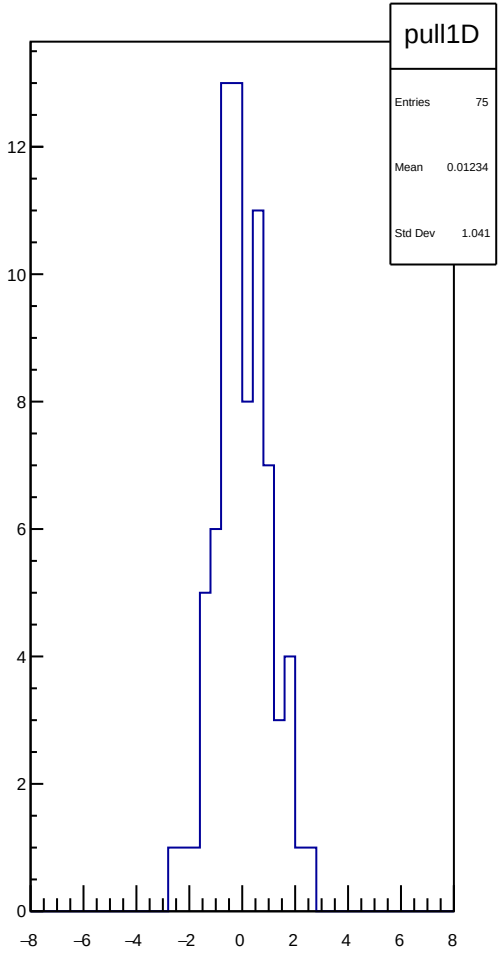

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.381e+04 / 74
p0 44.68 ± 0.03728
100
90
80
70
60
50
40
30

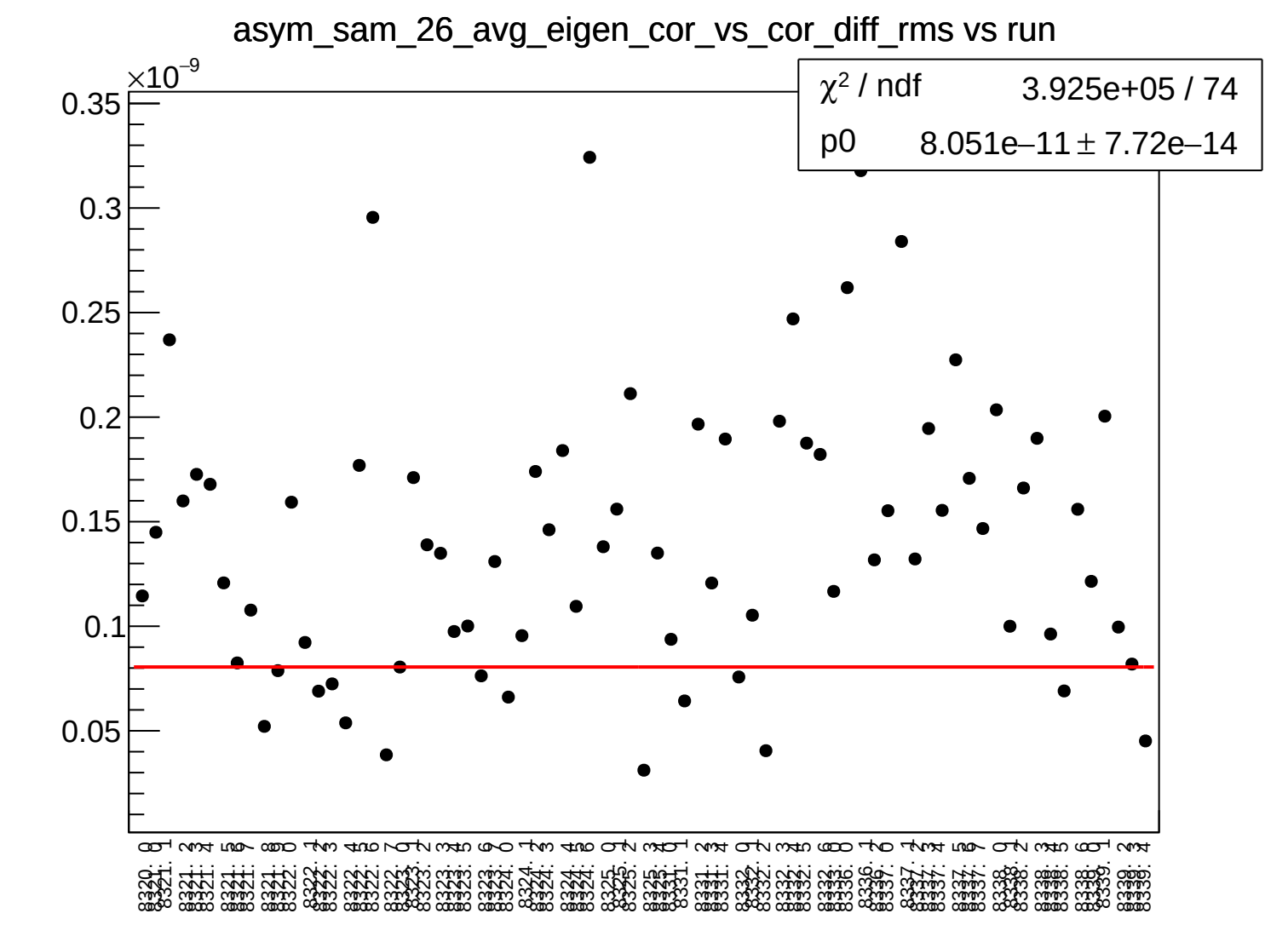

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 69.9 / 74
p0 −0.142 ± 0.05273
pull
Entries 75
Mean 79.94
Std Dev 0

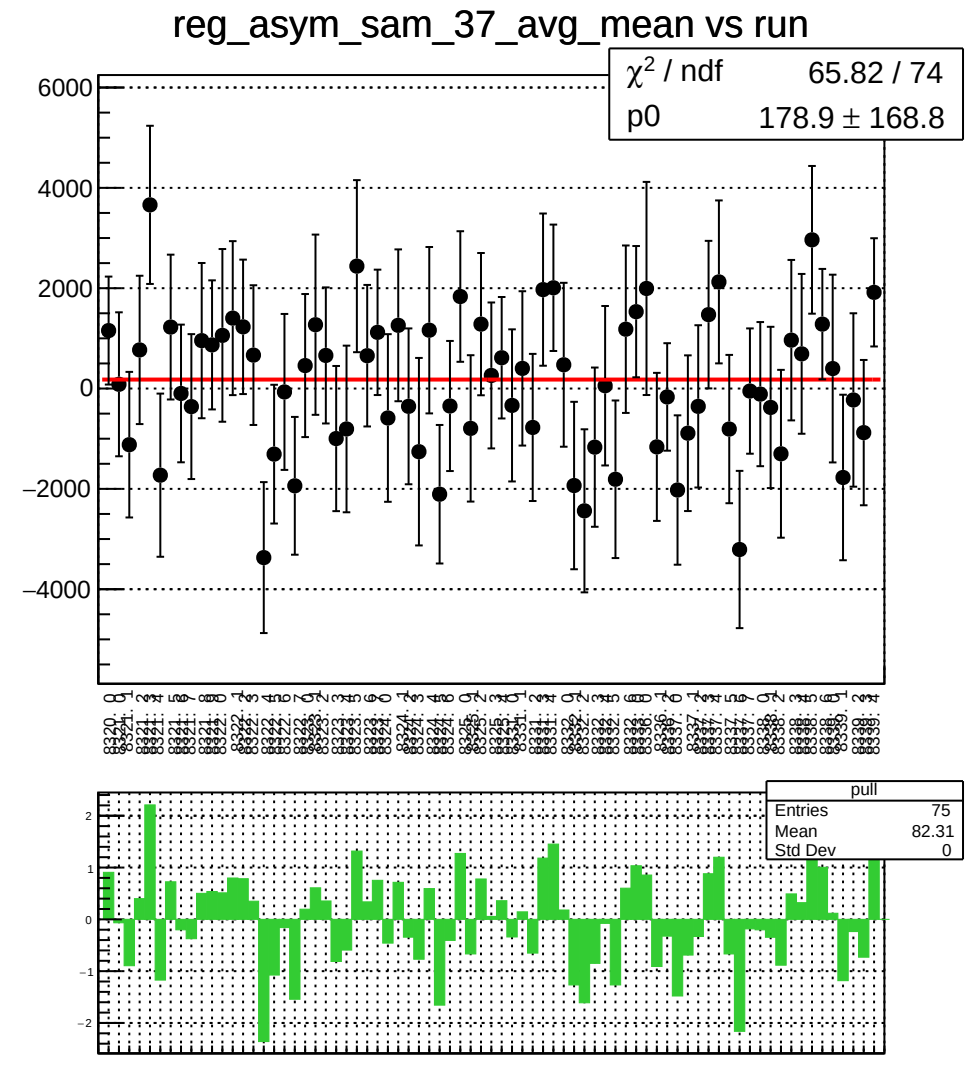

pull1D
Entries 75
Mean −0.06352
Std Dev 0.9633

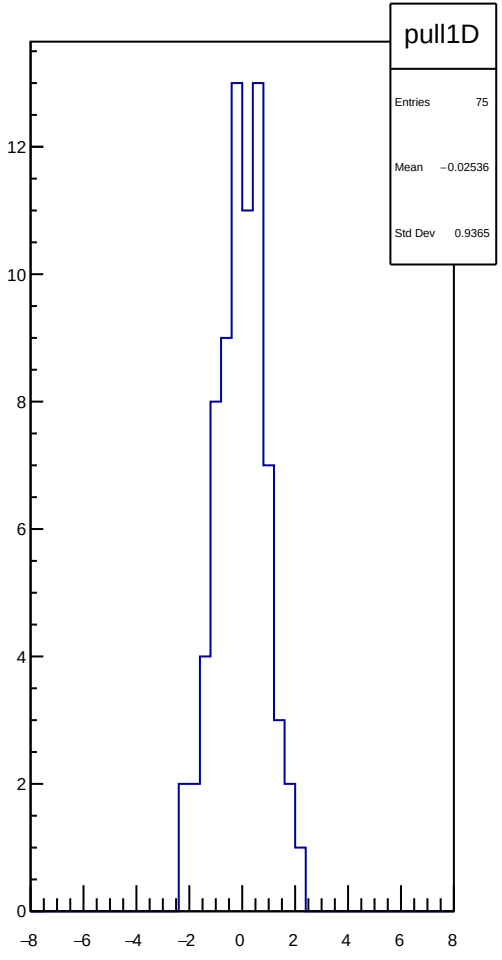

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.381e+04 / 74
p0 44.68 ± 0.03728
100
90
80
70
60
50
40
30

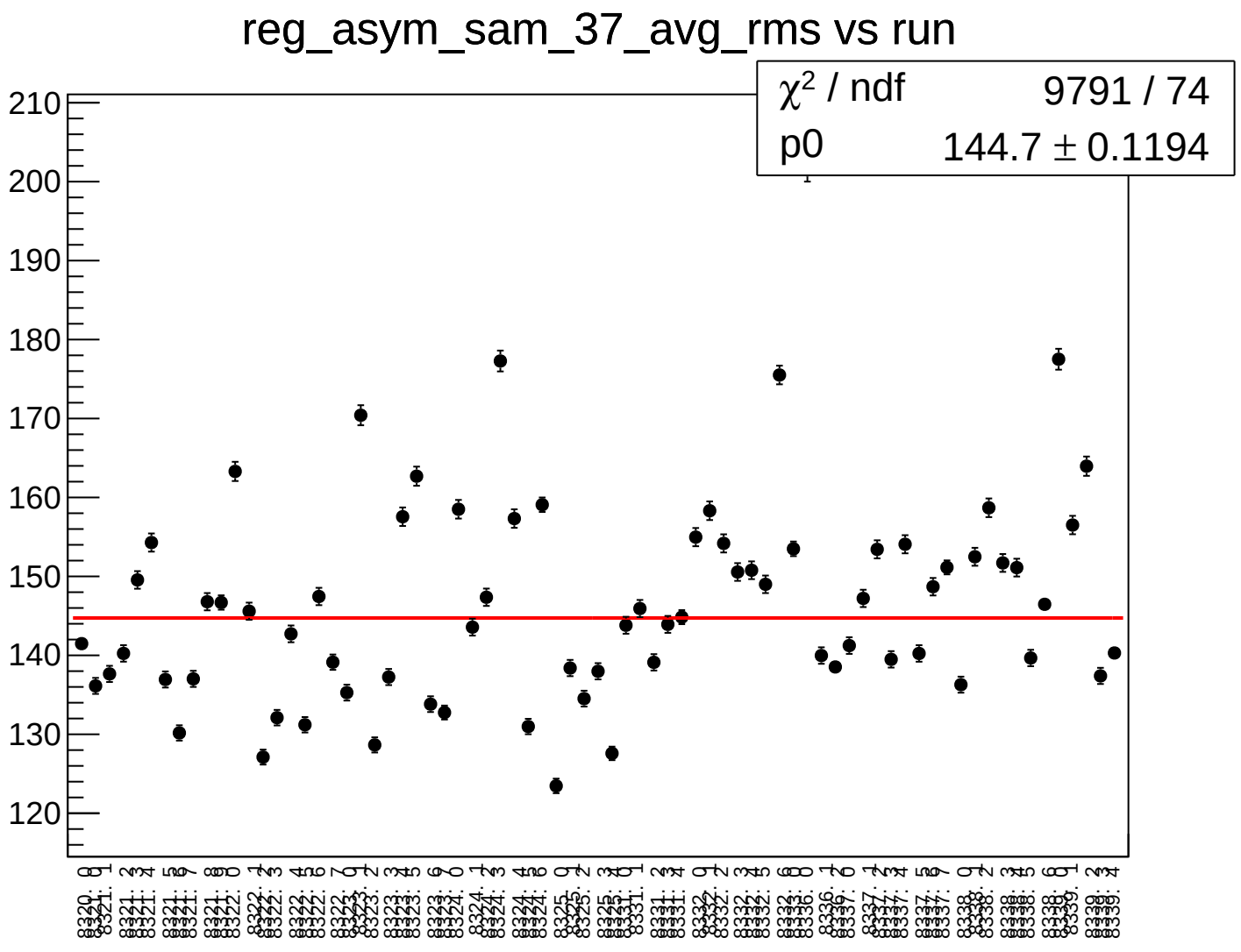

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 81.26 / 74
p0 −6.477e−14 ± 1.092e−13
pull
Entries 75
Mean 208
Std Dev 0

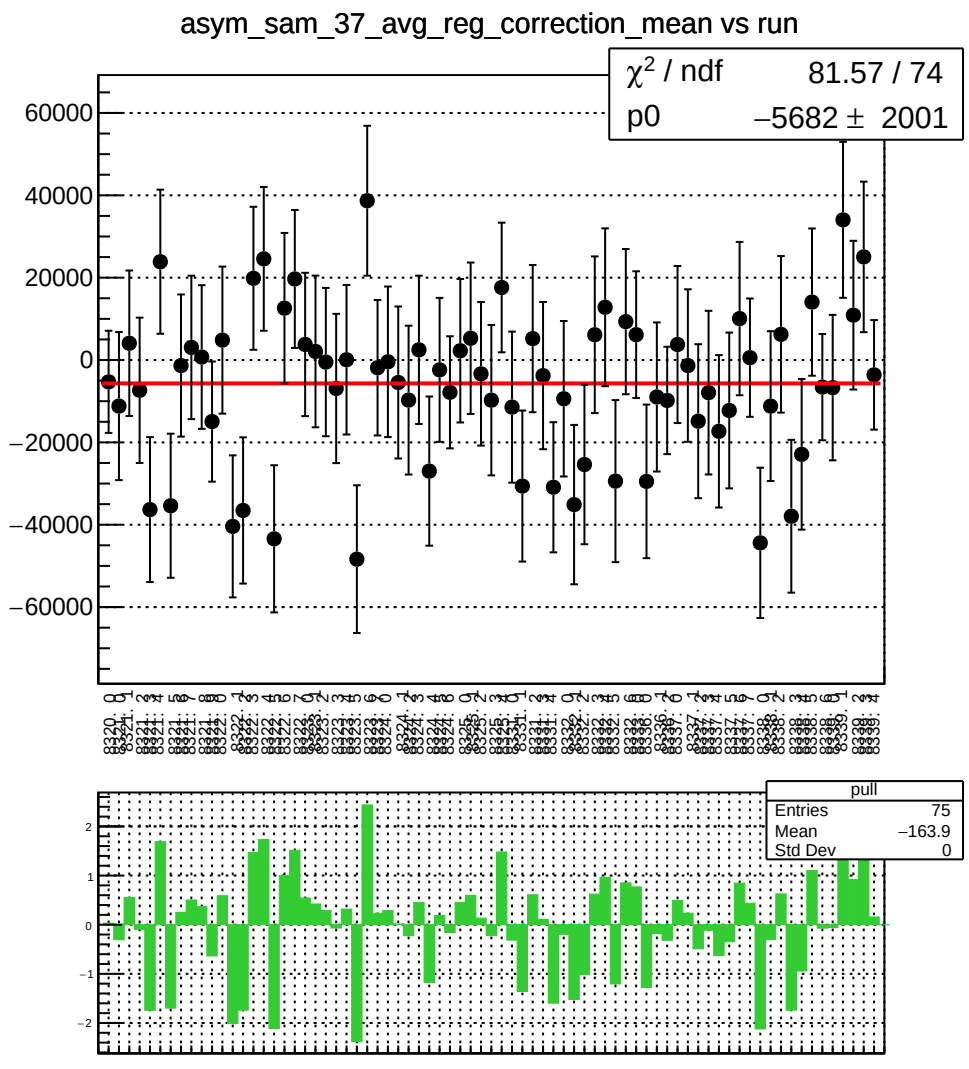

pull1D
Entries 75
Mean 0.01234
Std Dev 1.041

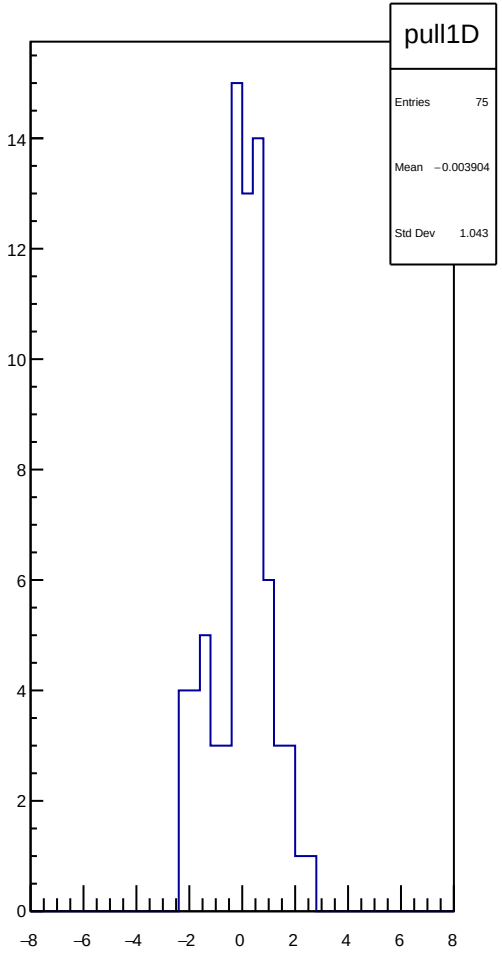

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.925e+05 / 74
p0 8.051e−11 ± 7.72e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05

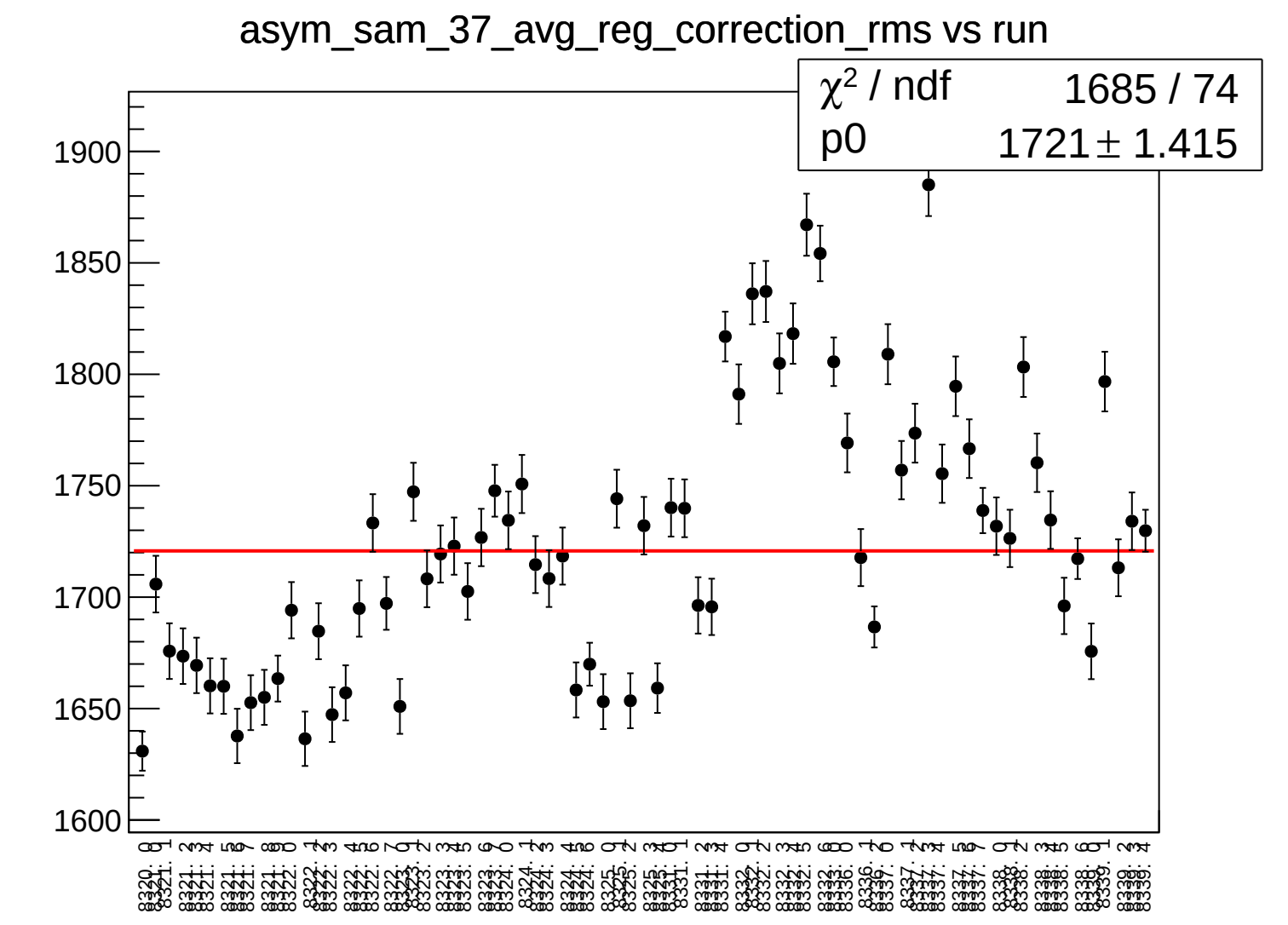

reg_asym_sam_37_avg_mean vs run
χ² / ndf 65.82 / 74
p0 178.9 ± 168.8
pull
Entries 75
Mean 82.31
Std Dev 0

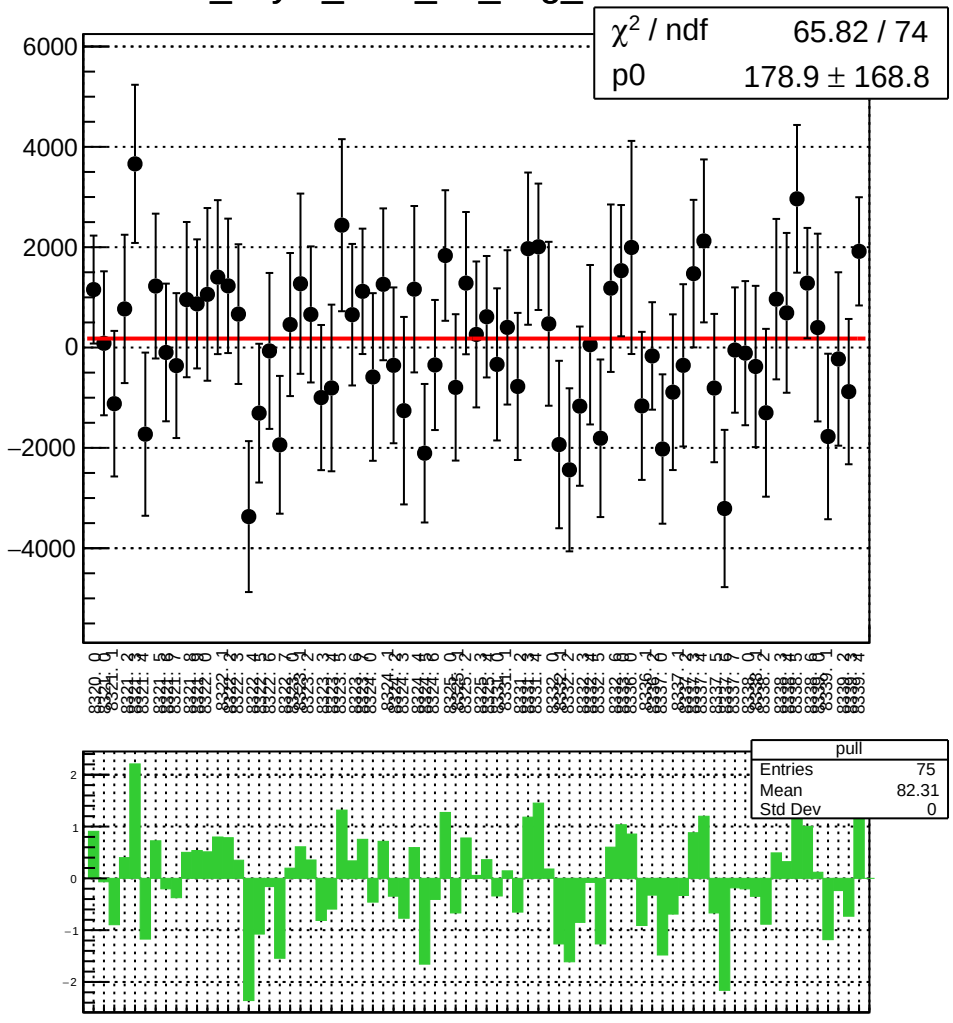

pull1D
Entries 75
Mean −0.02536
Std Dev 0.9365

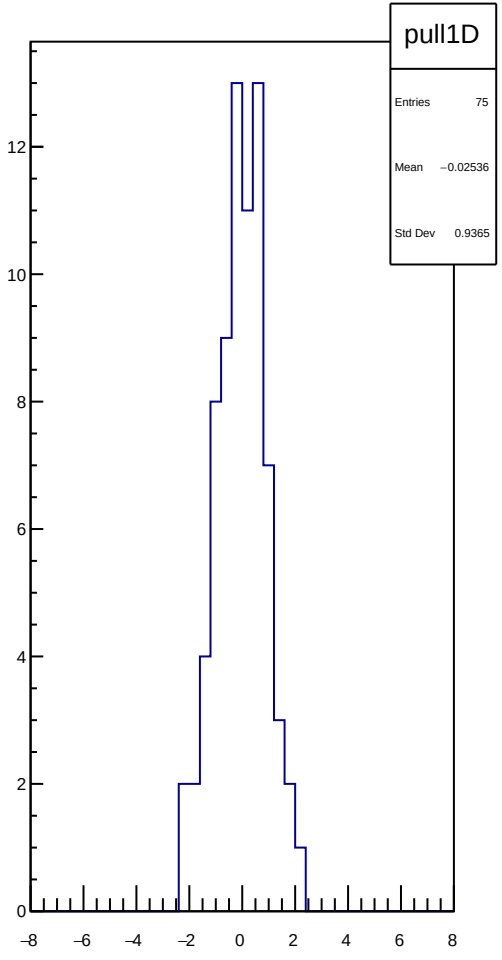

reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 9791 / 74
p0 144.7 ± 0.1194
210
200
190
180
170
160
150
140
130
120

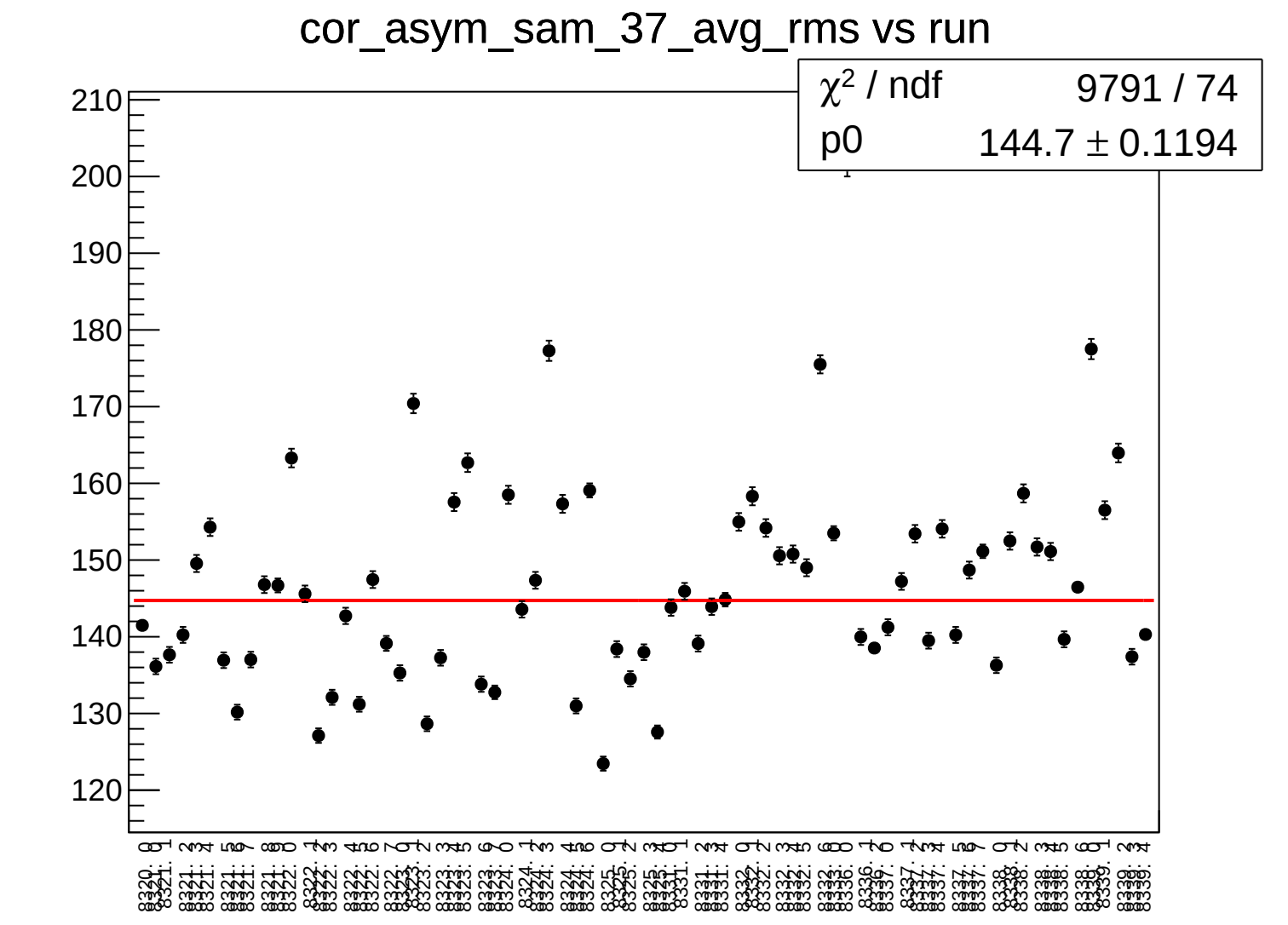

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 81.57 / 74
p0 −5682 ± 2001
pull
Entries 75
Mean −163.9
Std Dev 0

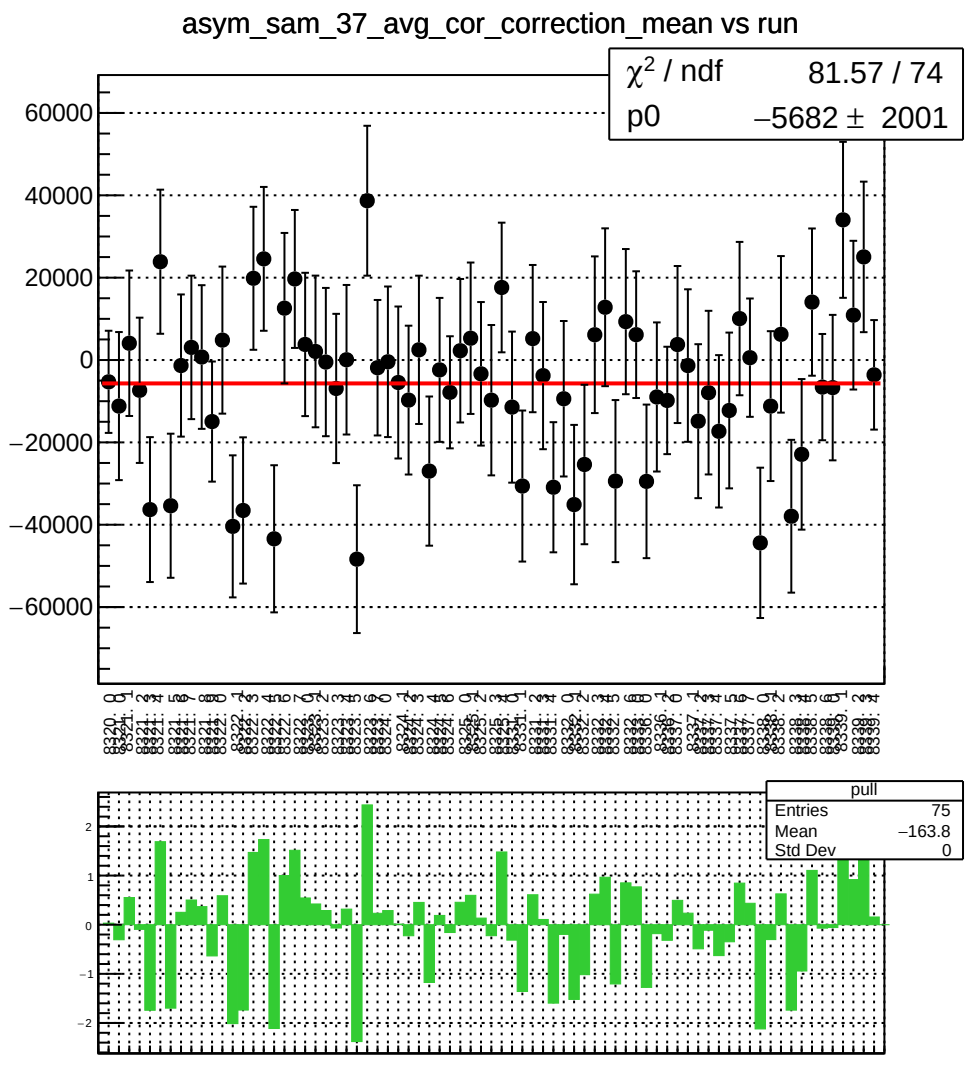

pull1D
Entries 75
Mean −0.003904
Std Dev 1.043

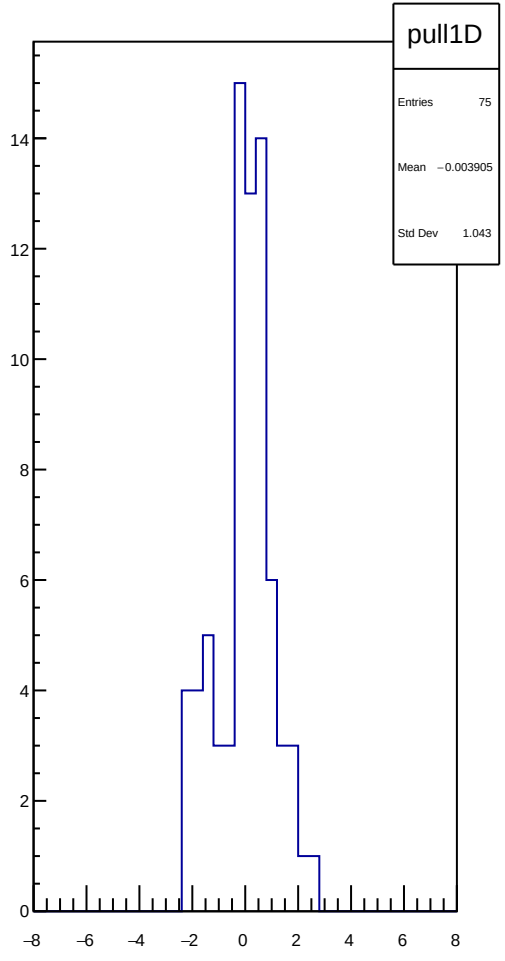

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 1685 / 74
p0 1721 ± 1.415
1900
1850
1800
1750
1700
1650
1600

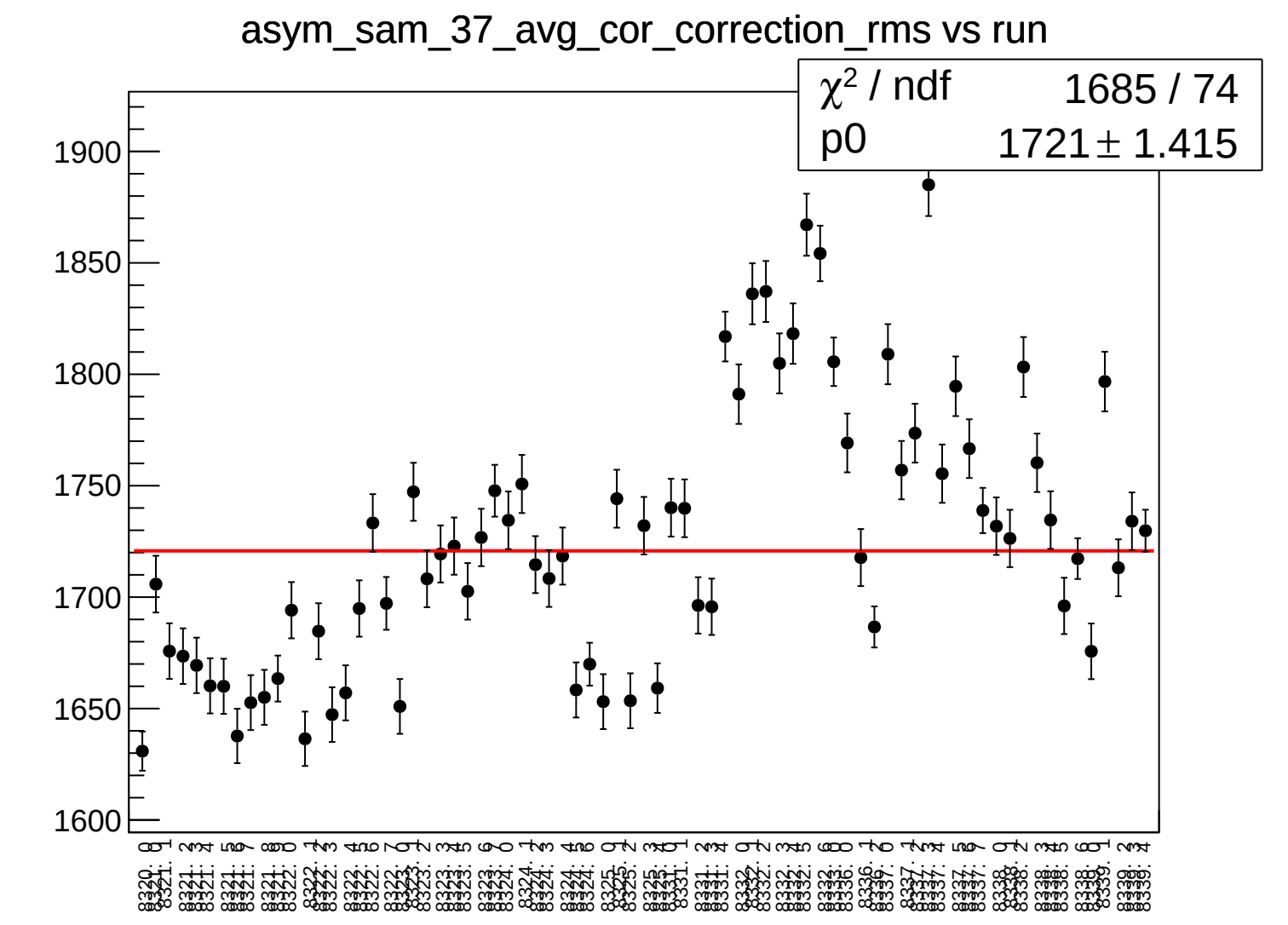

cor_asym_sam_37_avg_mean vs run
χ² / ndf 65.82 / 74
p0 178.9 ± 168.8
pull
Entries 75
Mean 82.31
Std Dev 0

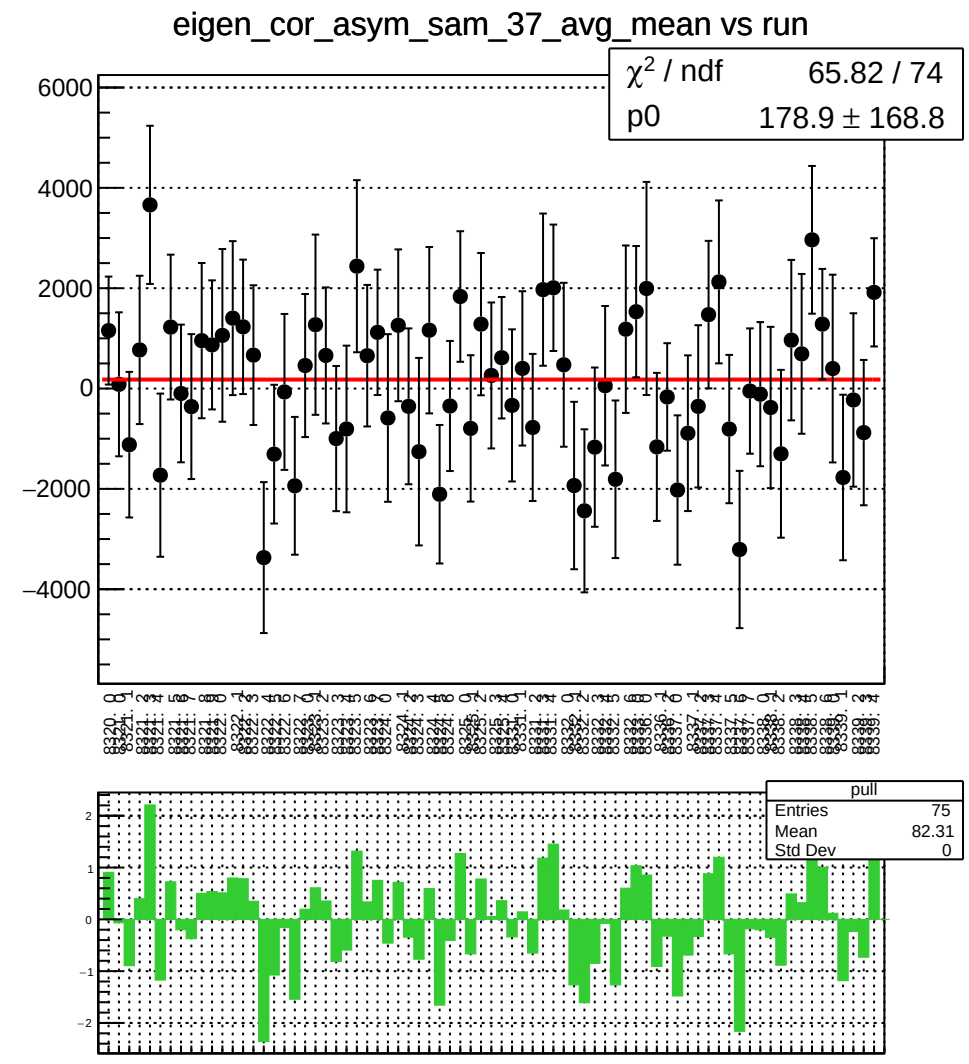

pull1D
Entries 75
Mean −0.02536
Std Dev 0.9365

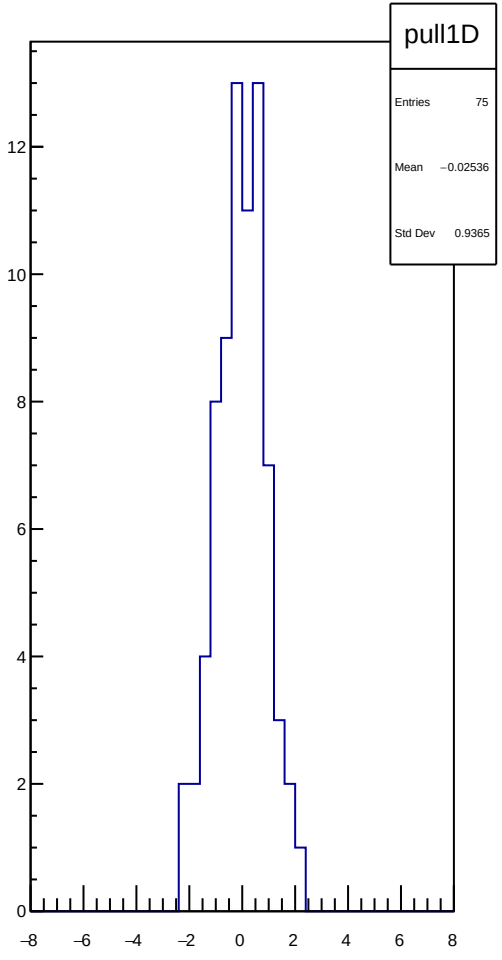

cor_asym_sam_37_avg_rms vs run
χ^2 / ndf 9791 / 74
p0 144.7 ± 0.1194
210
200
190
180
170
160
150
140
130
120

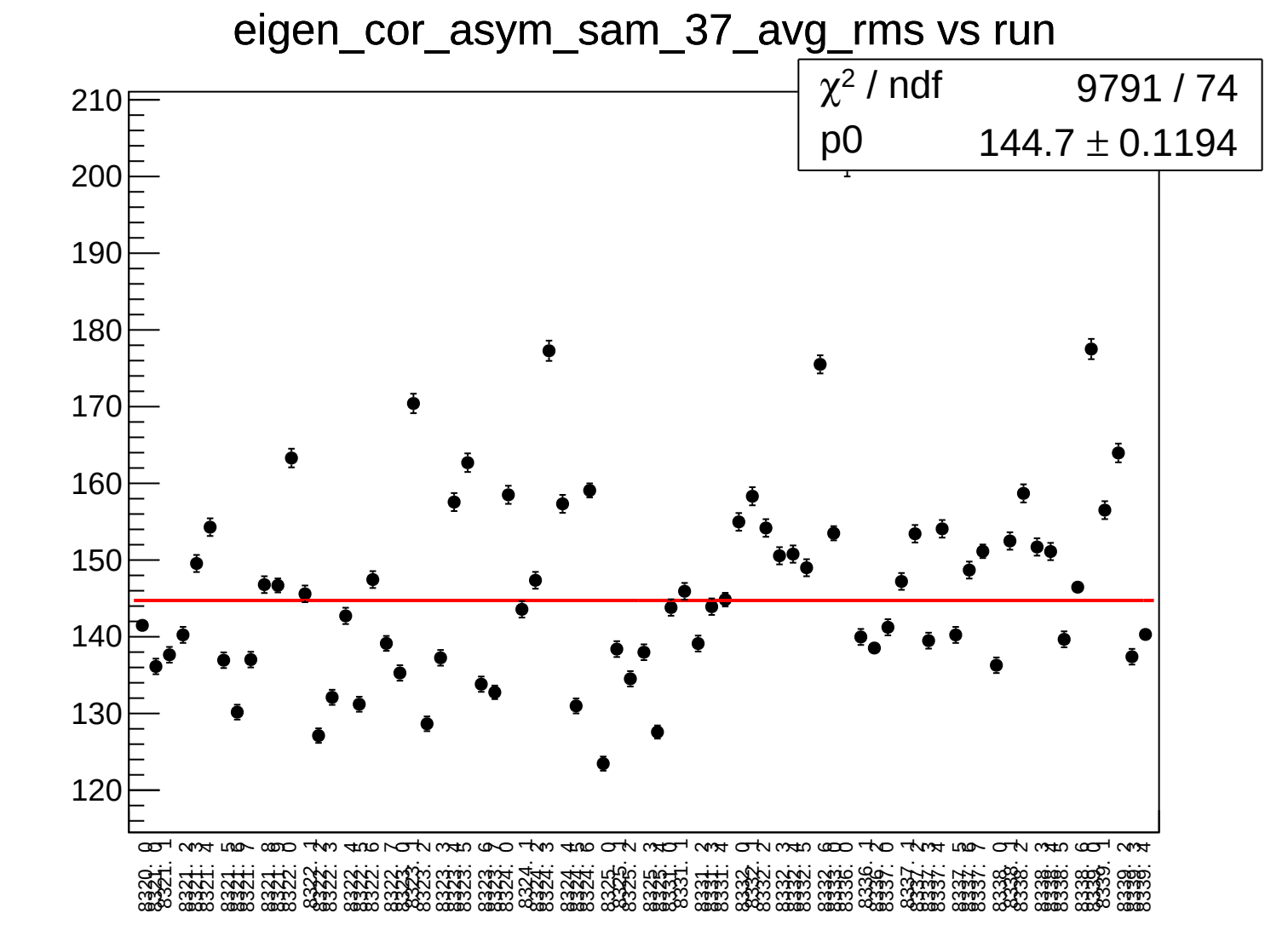

asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 81.57 / 74
p0 −5682 ± 2001
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −163.8
Std Dev 0
2
1
0
−1
−2

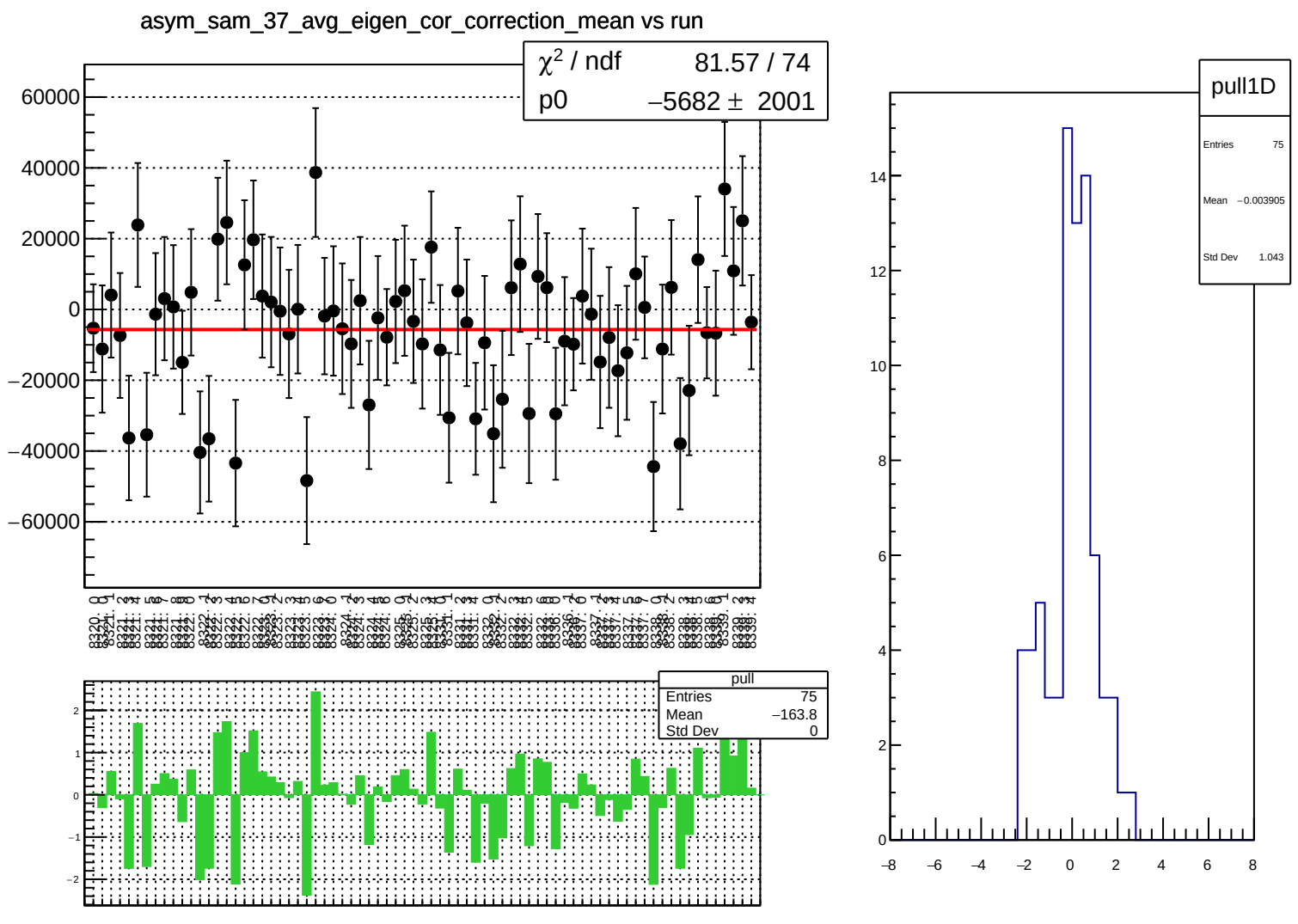

pull1D
Entries 75
Mean −0.003905
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

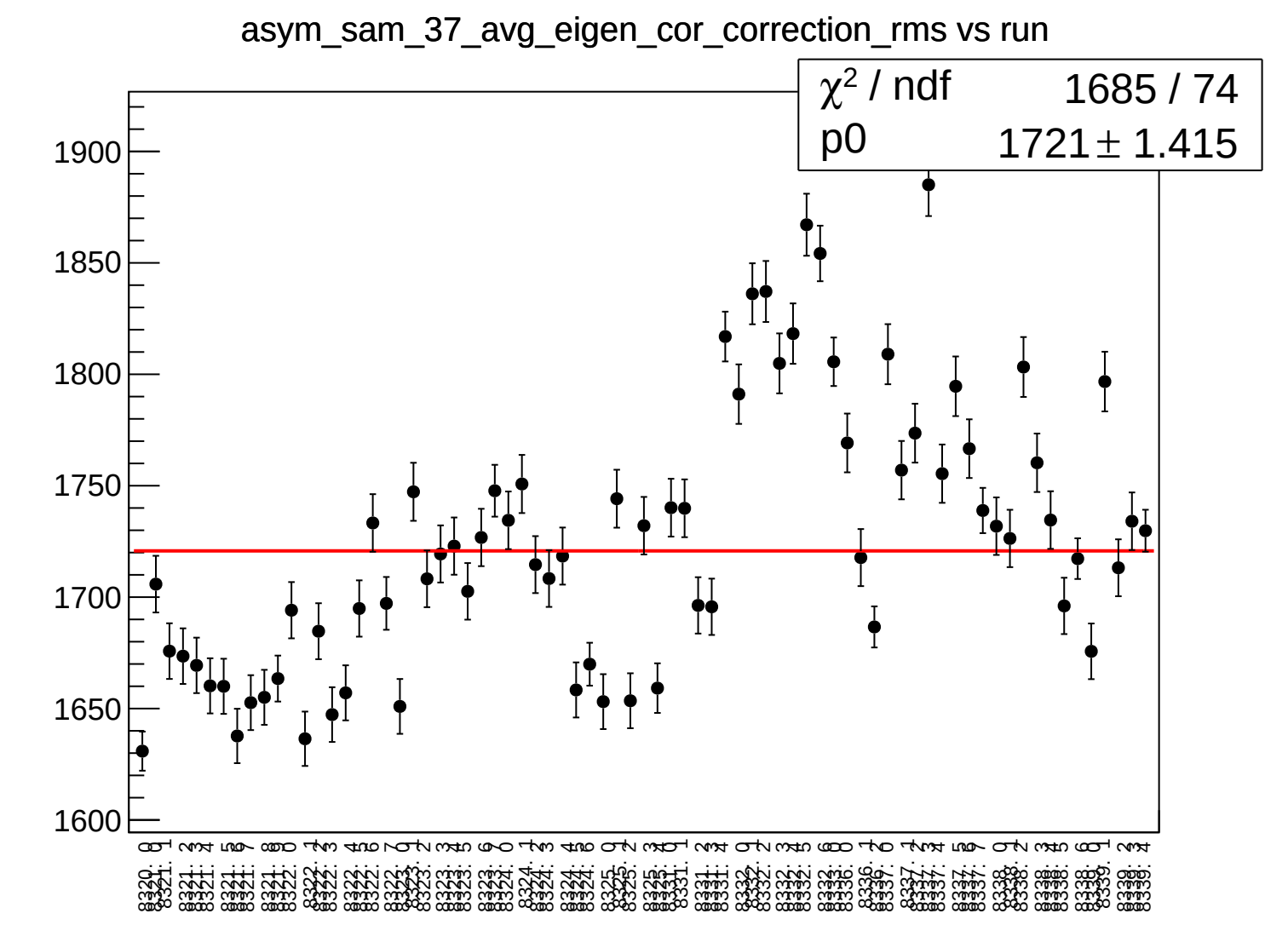

asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 1685 / 74
p0 1721 ± 1.415
1900
1850
1800
1750
1700
1650
1600

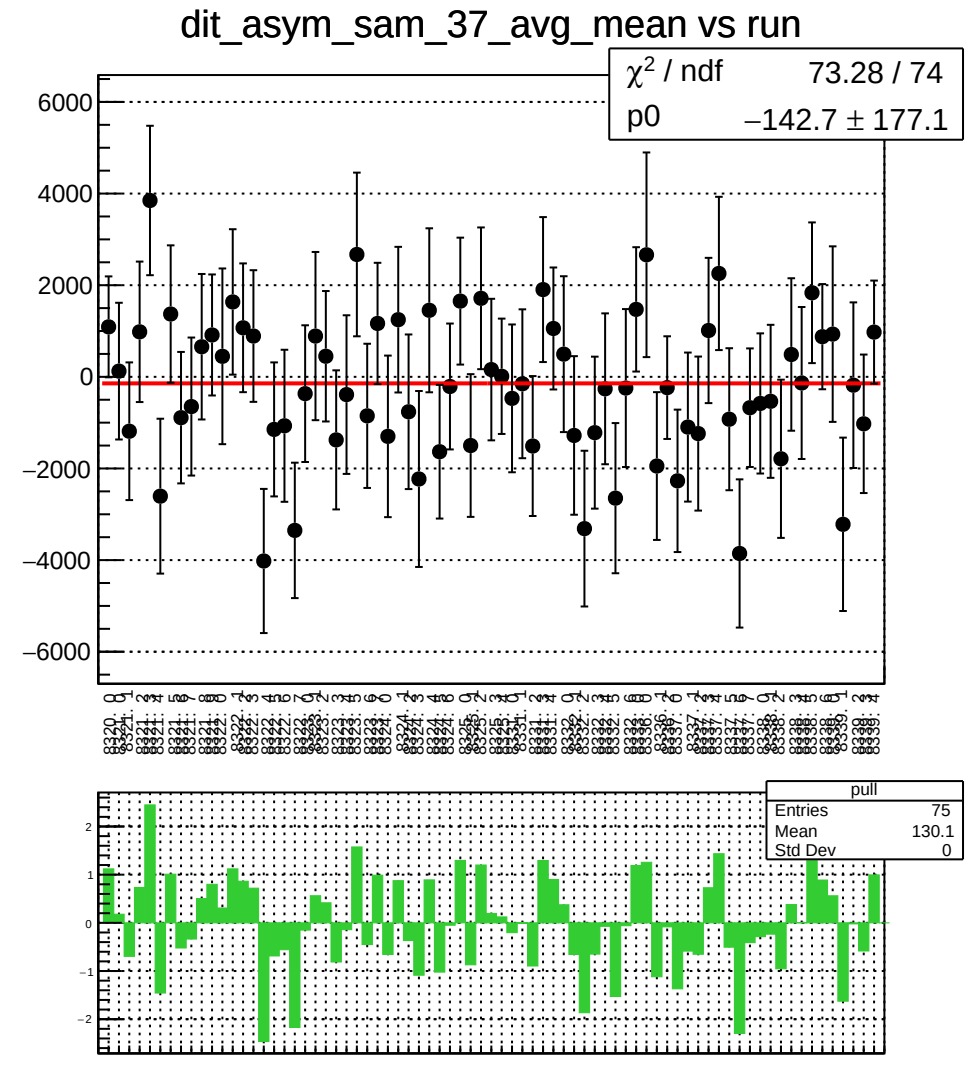

eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 65.82 / 74
p0 178.9 ± 168.8
6000
4000
2000
0
−2000
−4000
pull
Entries 75
Mean 82.31
Std Dev 0
2
1
0
−1
−2

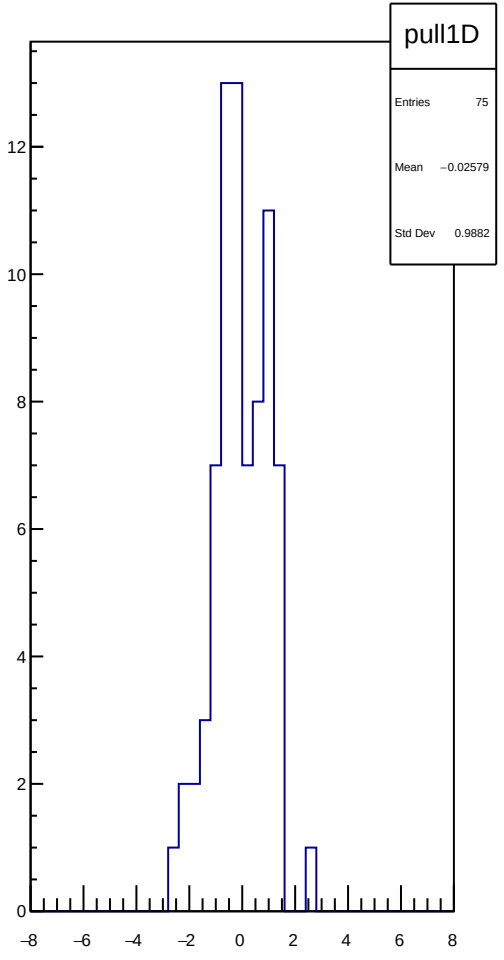

pull1D
Entries 75
Mean −0.02536
Std Dev 0.9365
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

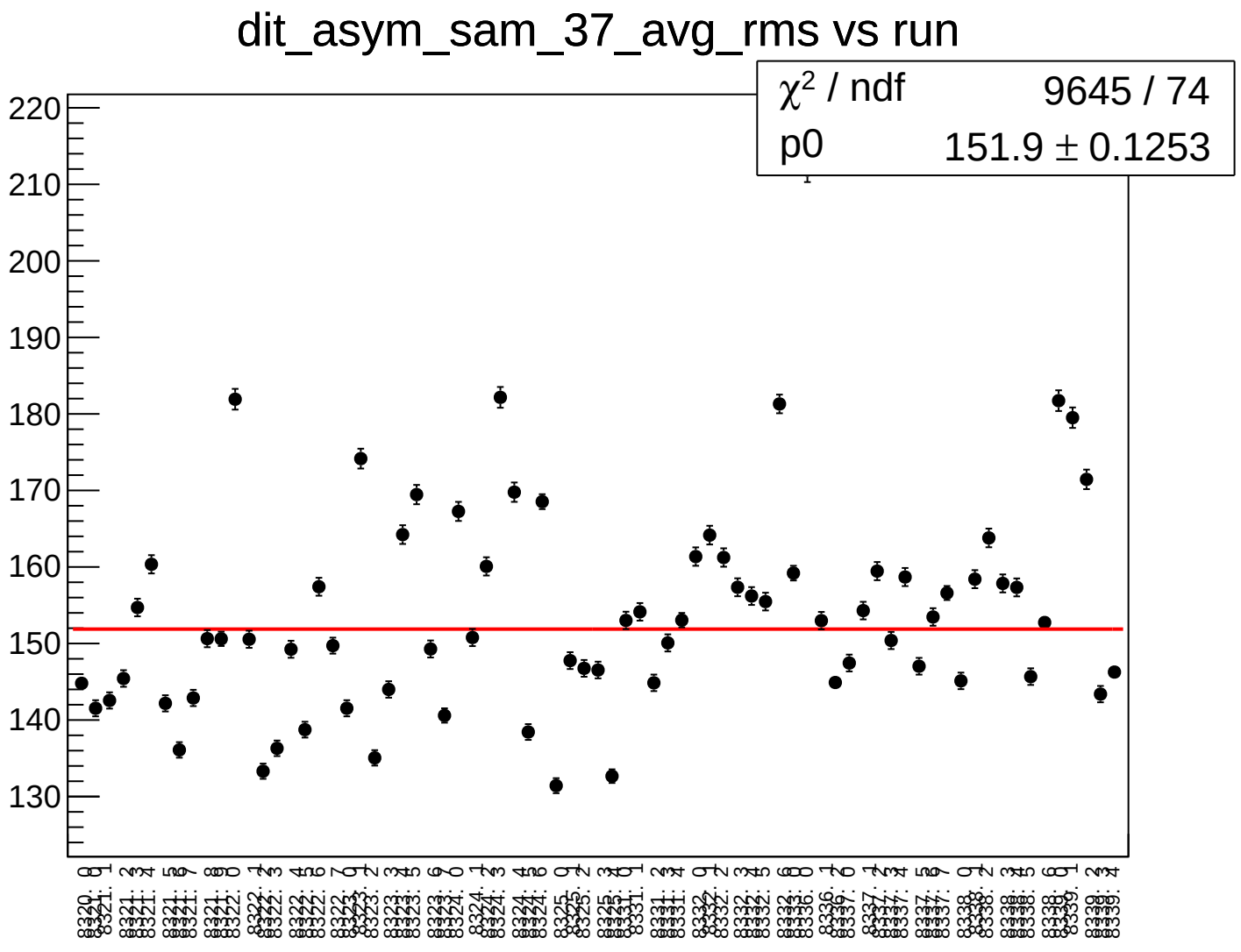

eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 9791 / 74
p0 144.7 ± 0.1194
210
200
190
180
170
160
150
140
130
120

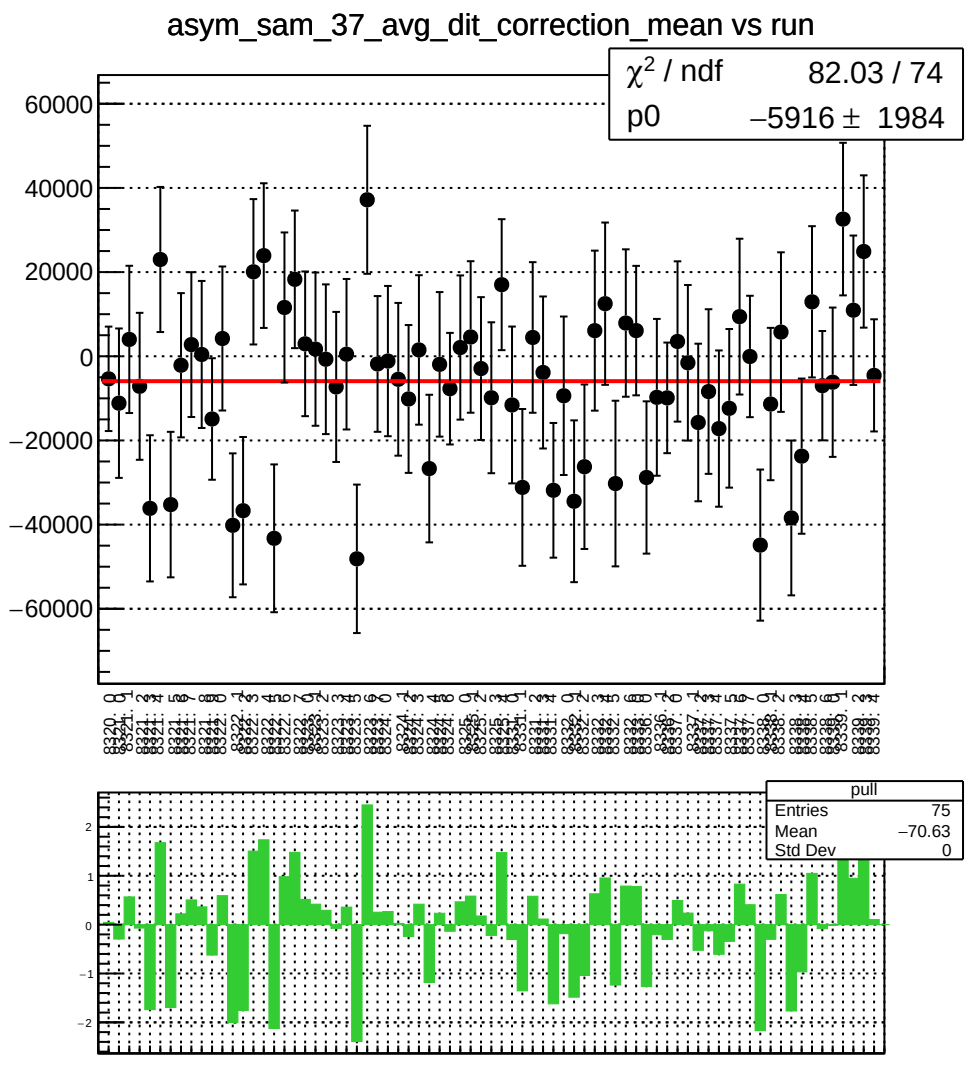

asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 81.57 / 74
p0 −5682 ± 2001
pull
Entries 75
Mean −163.8
Std Dev 0
pull1D
Entries 75
Mean −0.003905
Std Dev 1.043

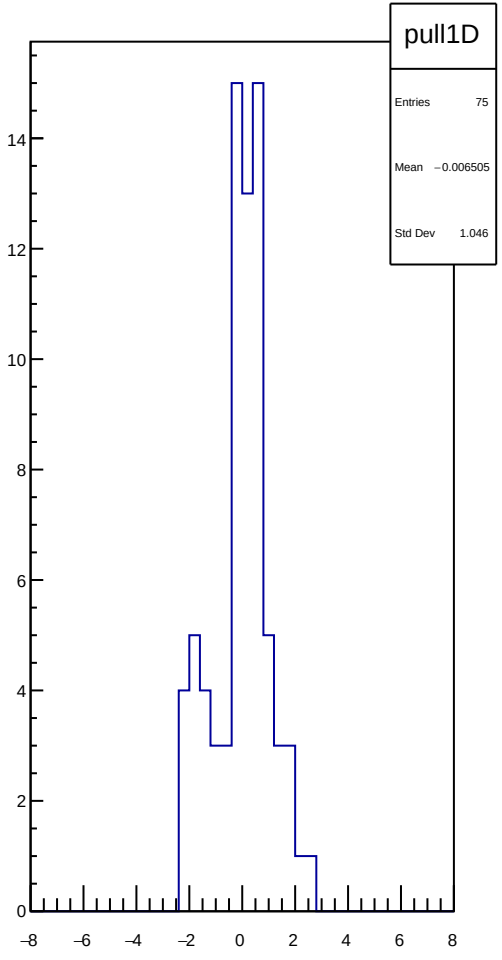

asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 1685 / 74
p0 1721 ± 1.415
1900
1850
1800
1750
1700
1650
1600

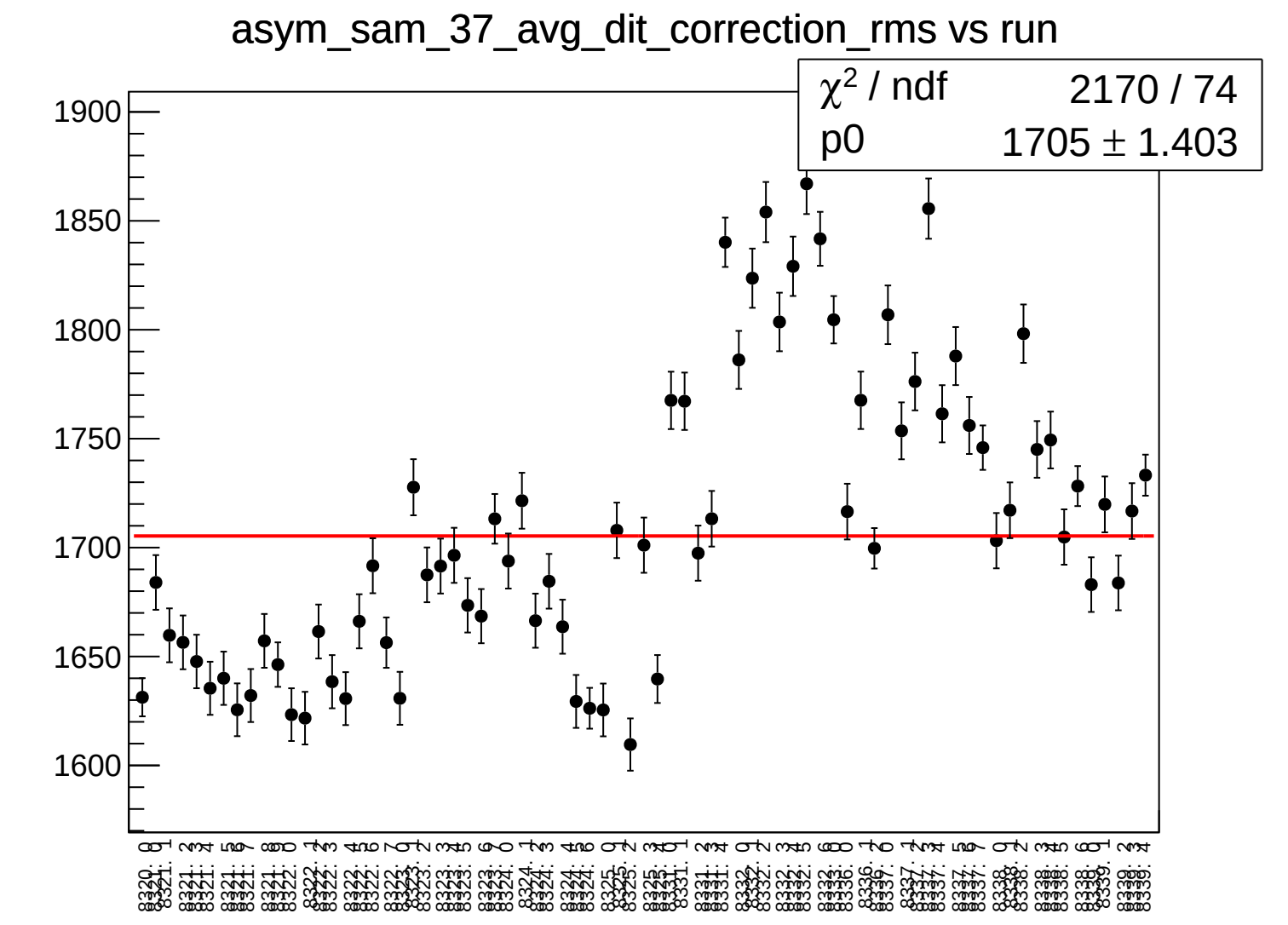

dit_asym_sam_37_avg_mean vs run
χ² / ndf 73.28 / 74
p0 −142.7 ± 177.1
pull
Entries 75
Mean 130.1
Std Dev 0

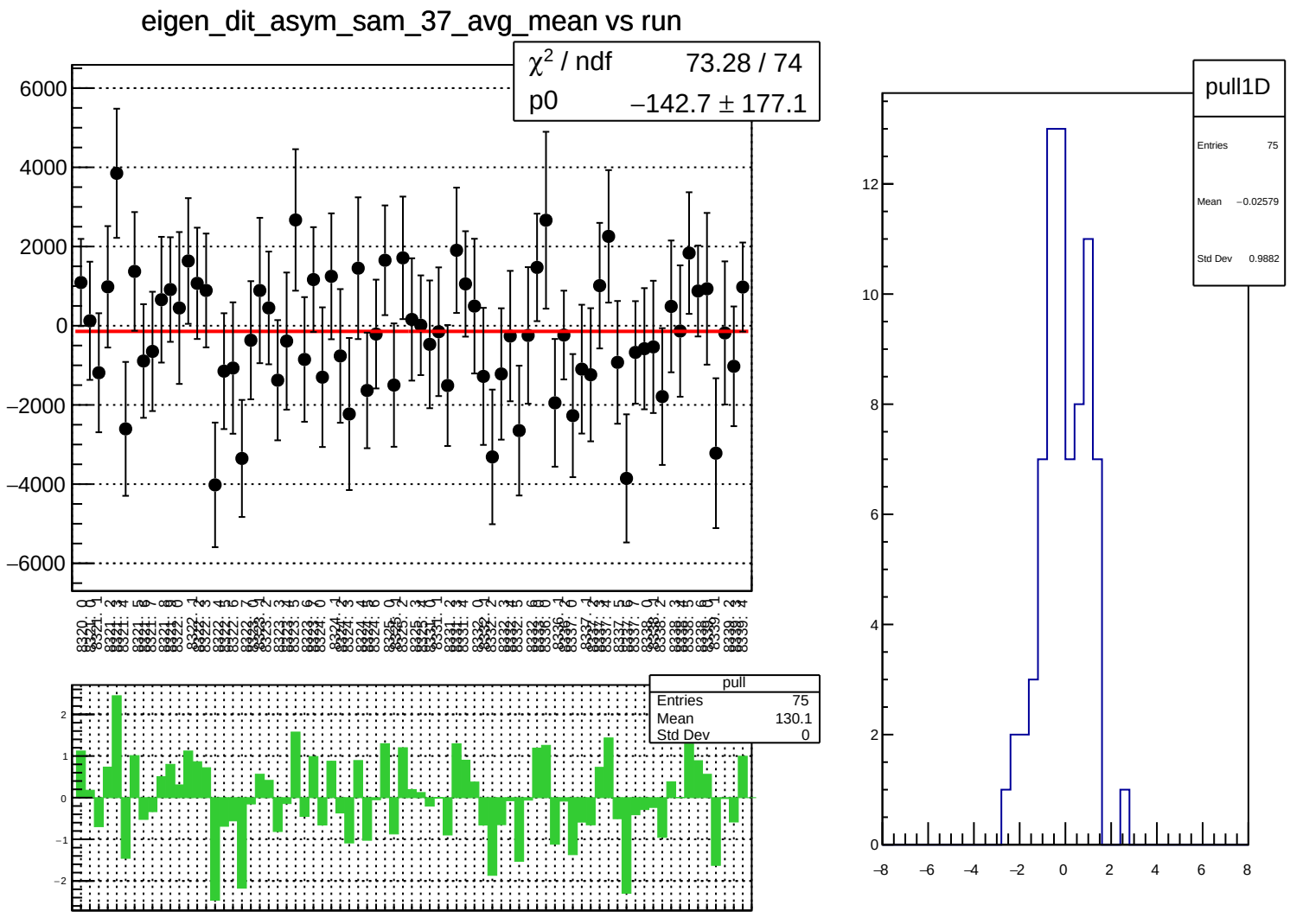

pull1D
Entries 75
Mean −0.02579
Std Dev 0.9882

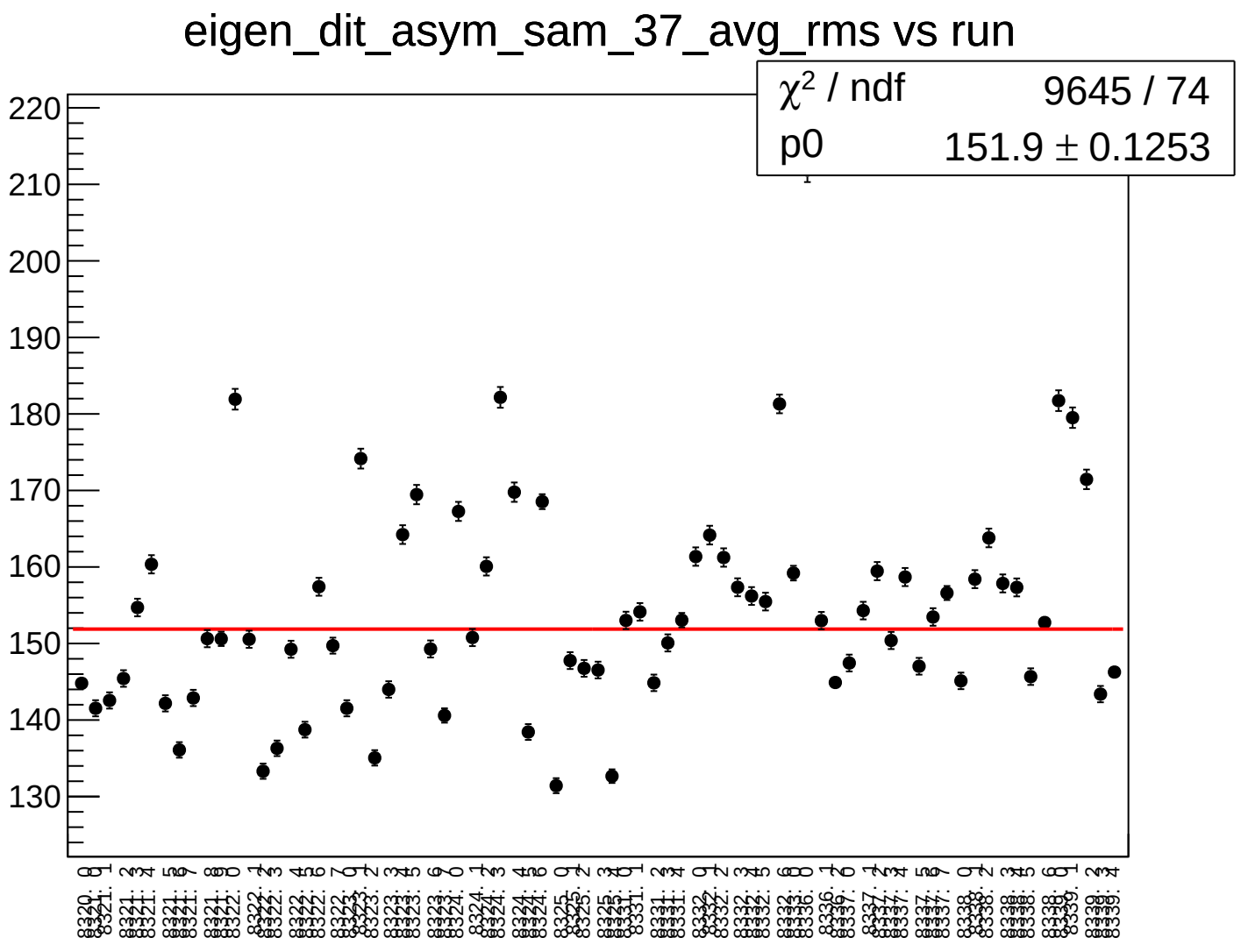

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 9645 / 74
p0 151.9 ± 0.1253
220
210
200
190
180
170
160
150
140
130

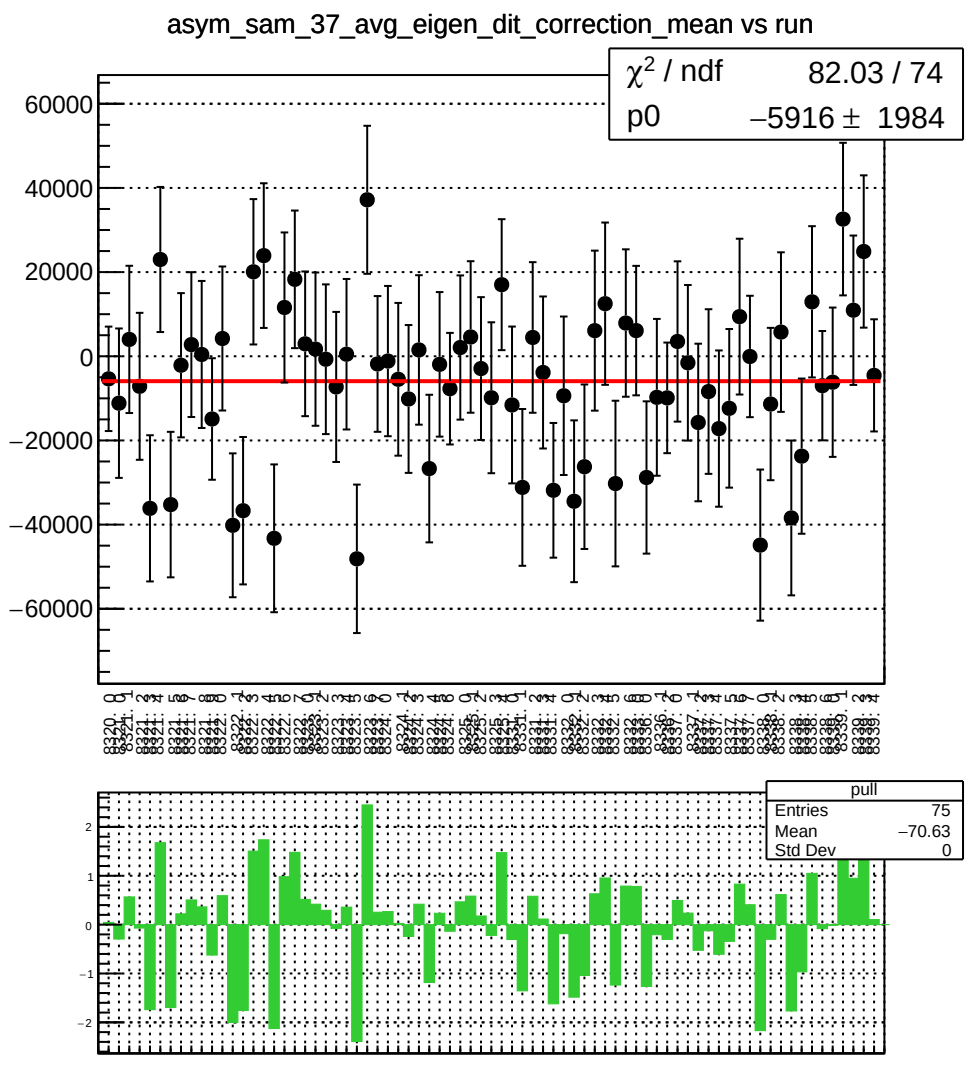

asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 82.03 / 74
p0 −5916 ± 1984
pull
Entries 75
Mean −70.63
Std Dev 0

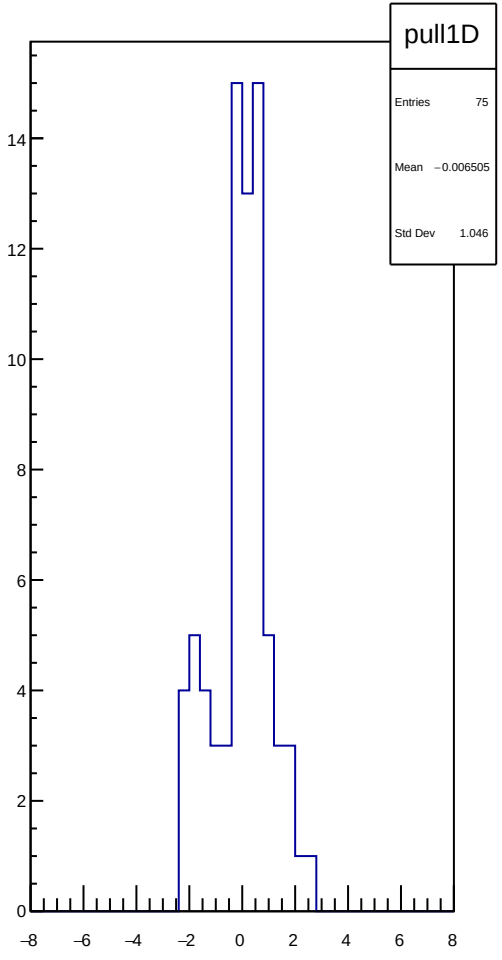

pull1D
Entries 75
Mean −0.006505
Std Dev 1.046

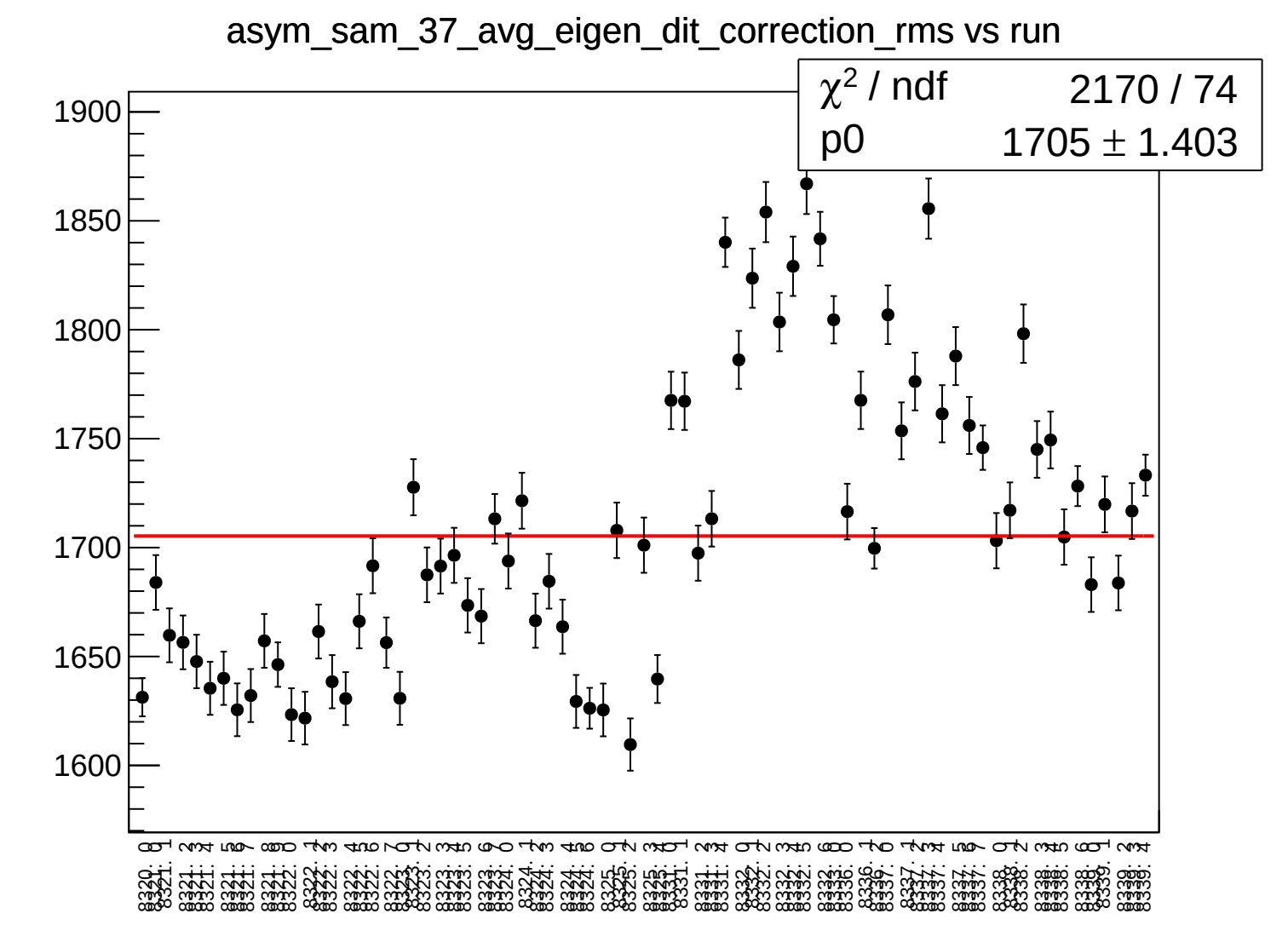

asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 2170 / 74
p0 1705 ± 1.403
1900
1850
1800
1750
1700
1650
1600

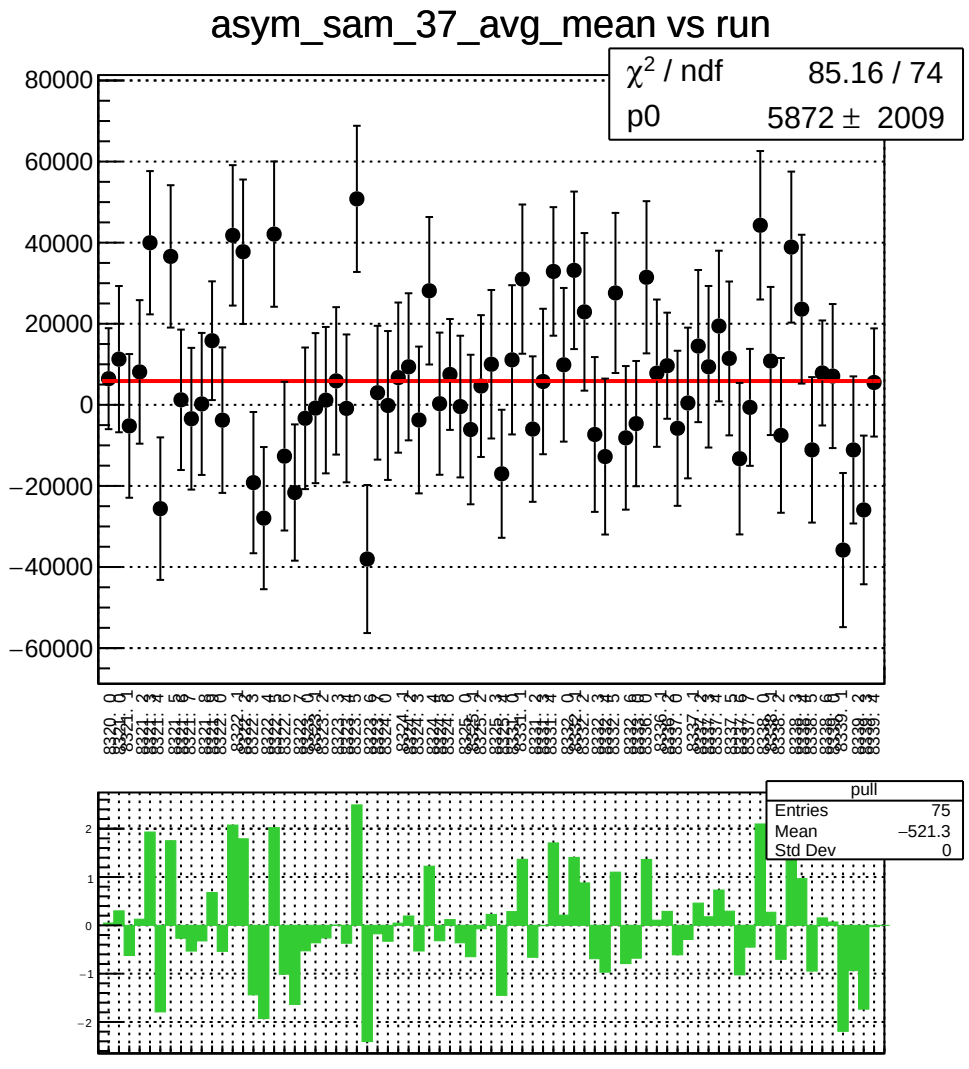

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 73.28 / 74
p0 −142.7 ± 177.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean 130.1
Std Dev 0
pull1D
Entries 75
Mean −0.02579
Std Dev 0.9882
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

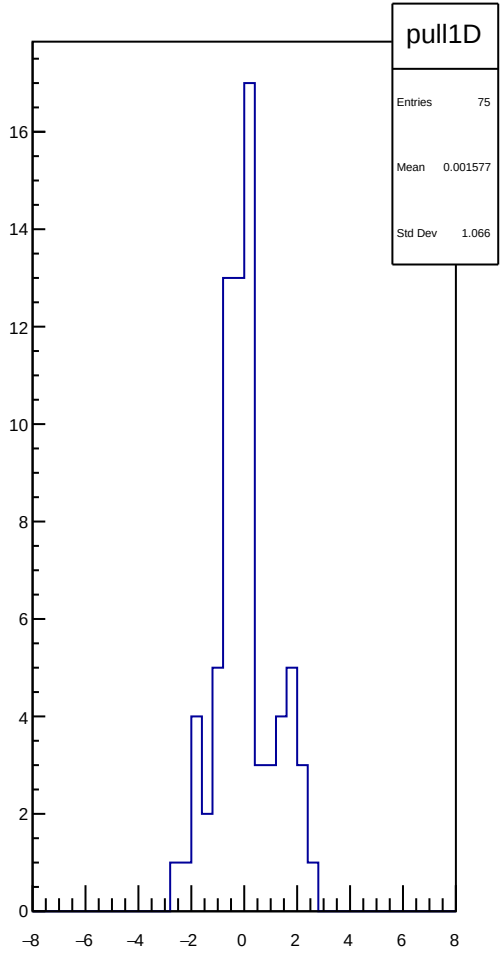

eigen_dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 9645 / 74
p0 151.9 ± 0.1253
220
210
200
190
180
170
160
150
140
130

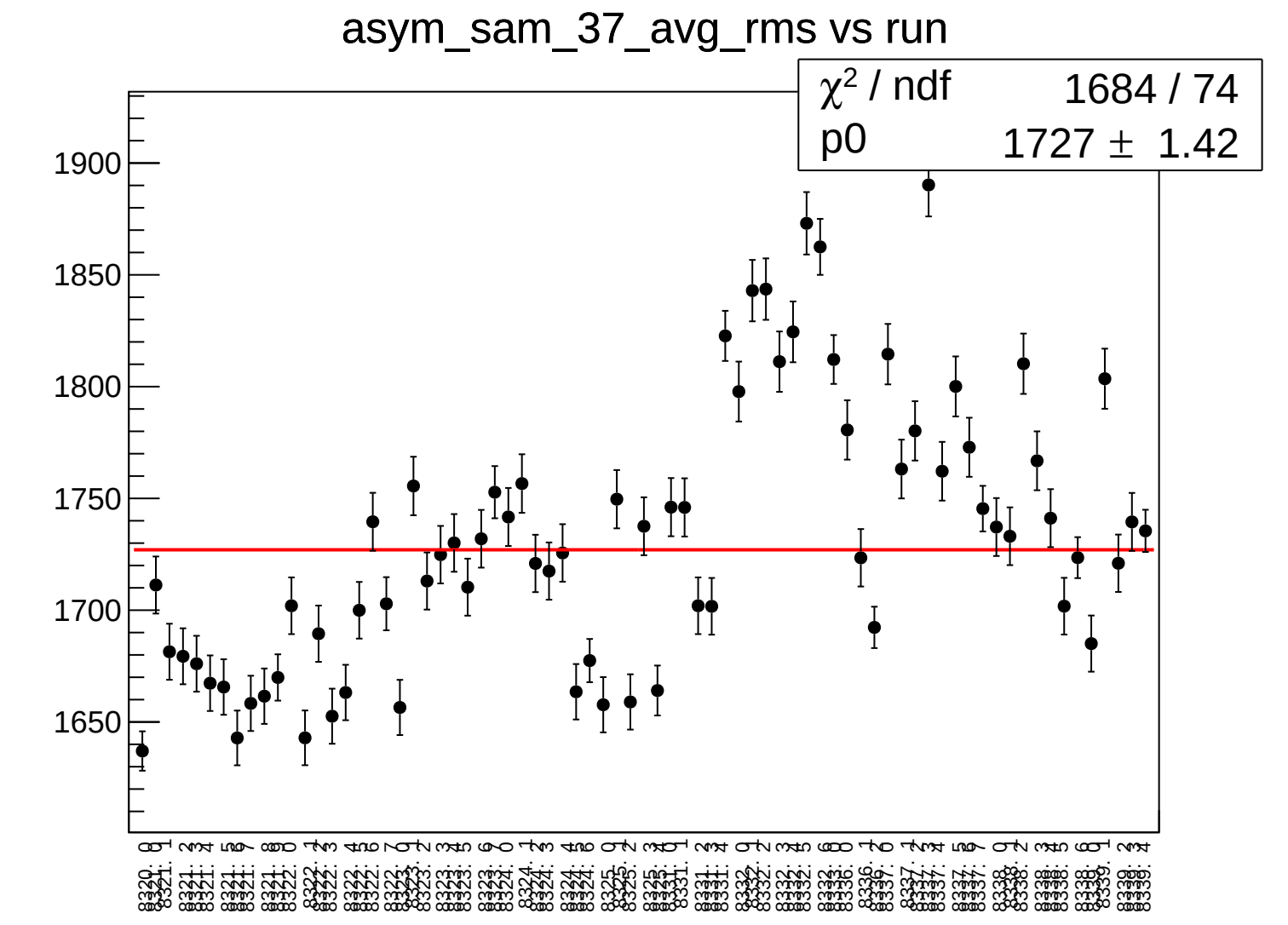

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.03 / 74
p0 −5916 ± 1984
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −70.63
Std Dev 0
2
1
0
−1
−2

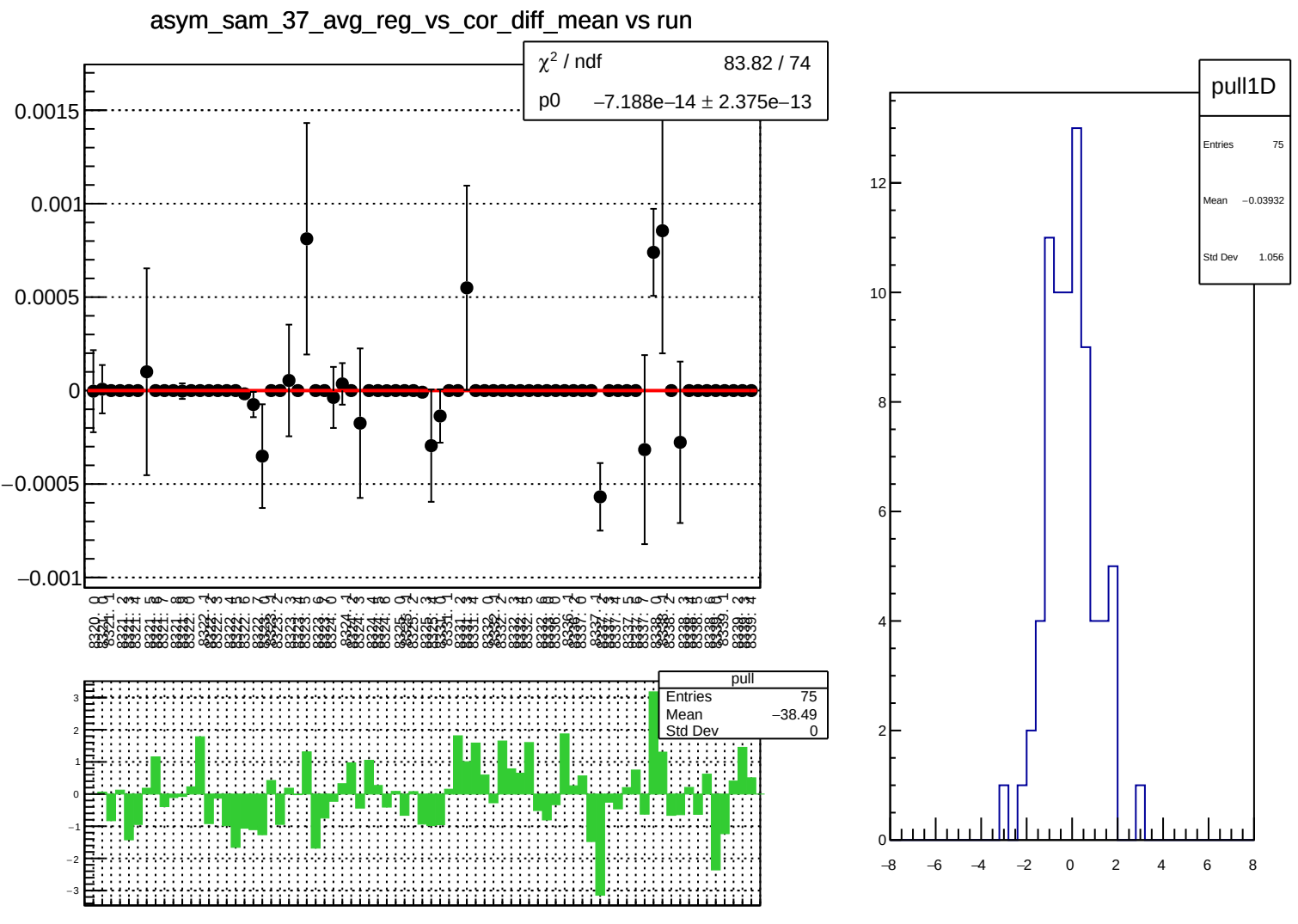

pull1D
Entries 75
Mean −0.006505
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

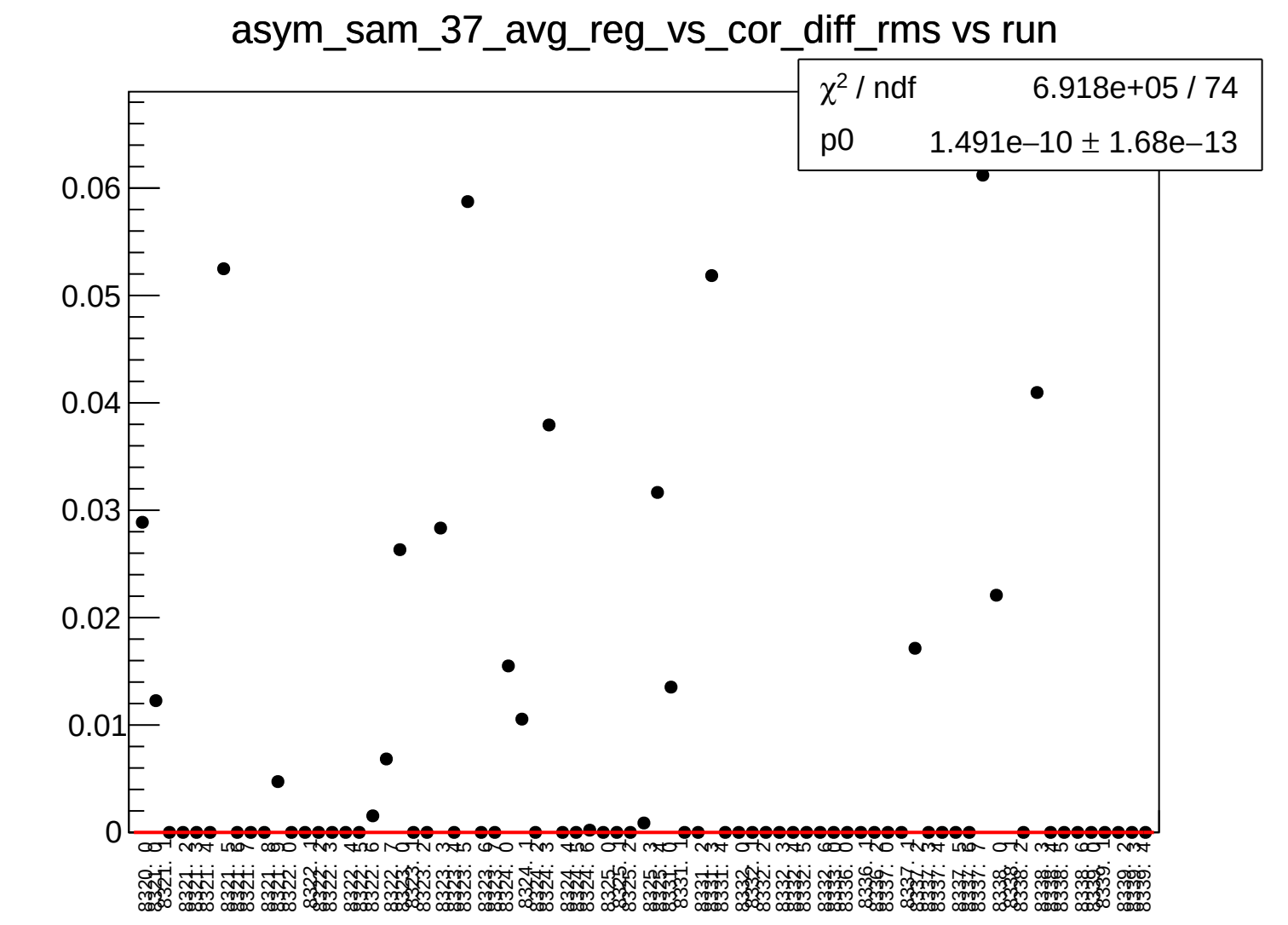

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 2170 / 74
p0 1705 ± 1.403
1900
1850
1800
1750
1700
1650
1600

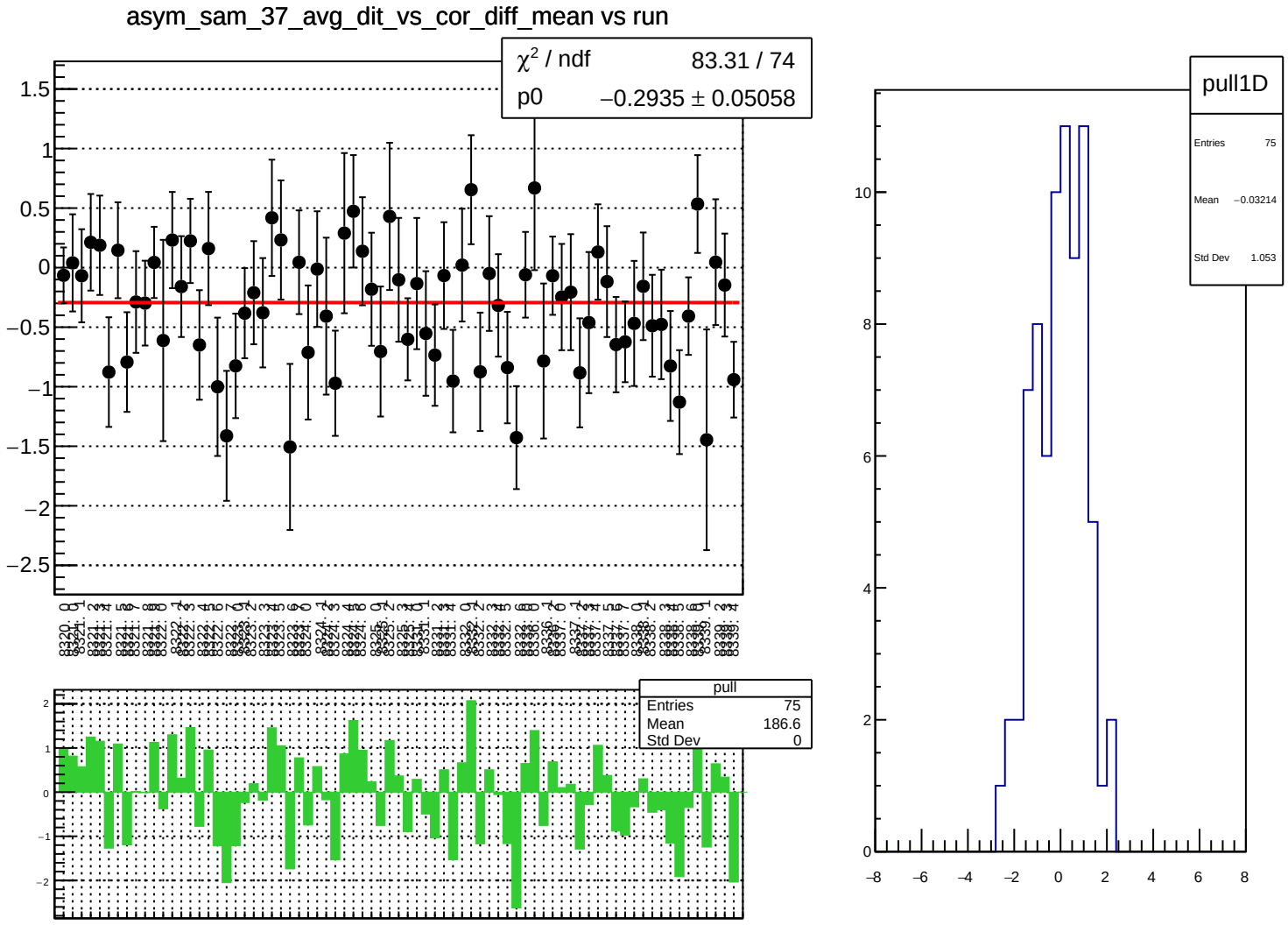

asym_sam_37_avg_mean vs run
χ² / ndf 85.16 / 74
p0 5872 ± 2009
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −521.3
Std Dev 0
2
1
0
−1
−2

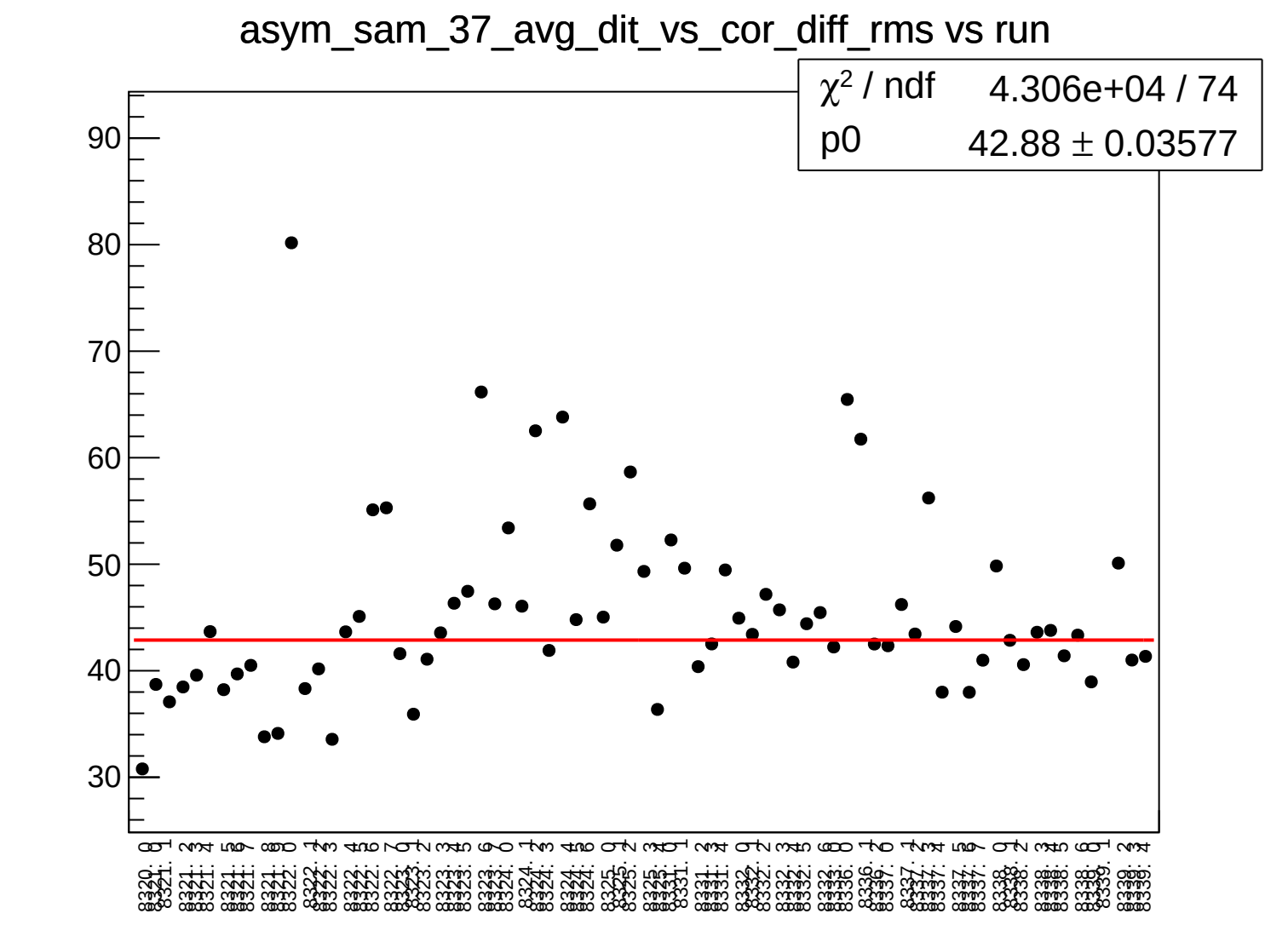

pull1D
Entries 75
Mean 0.001577
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

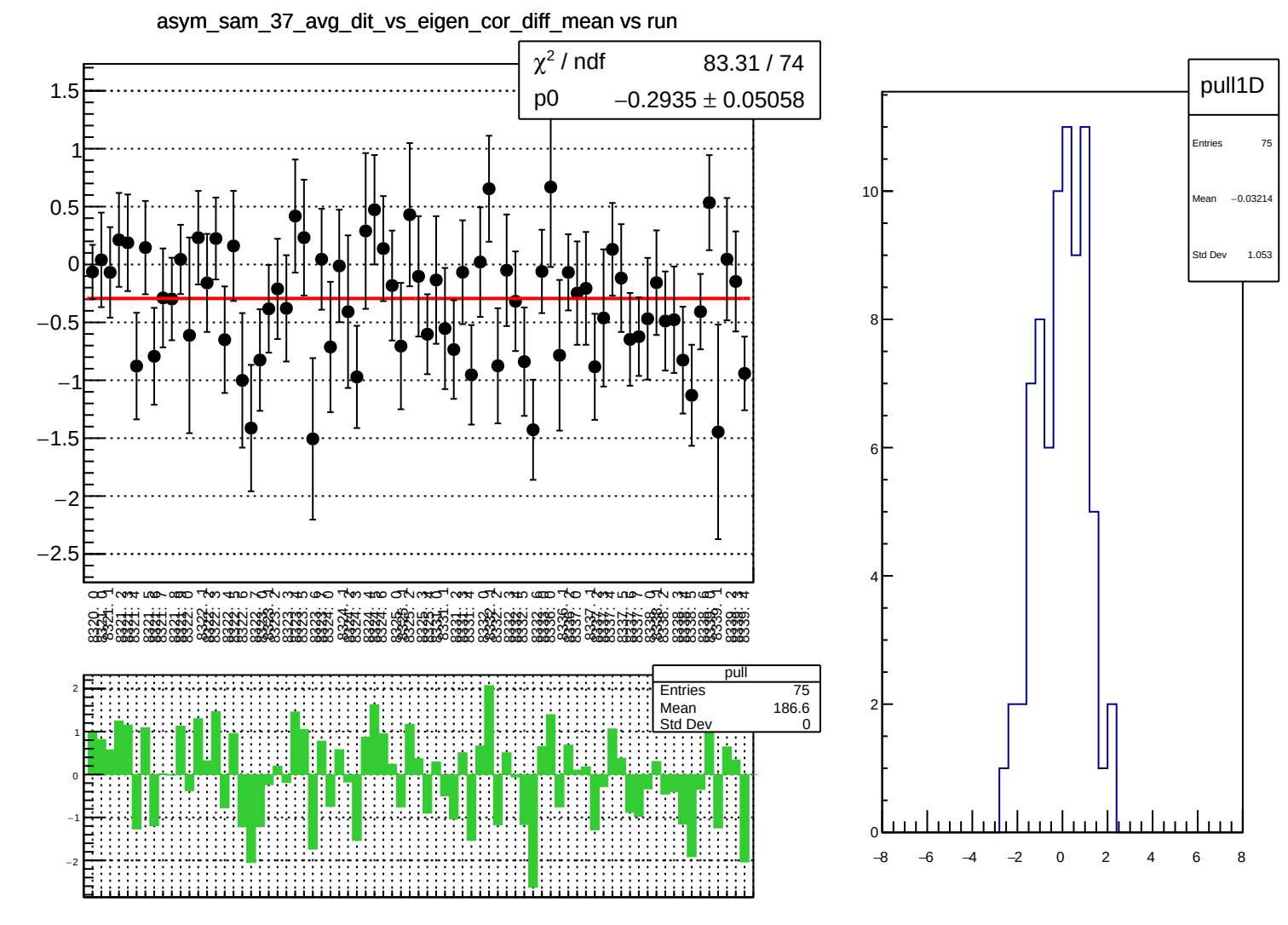

asym_sam_37_avg_rms vs run
χ² / ndf 1684 / 74
p0 1727 ± 1.42
1900
1850
1800
1750
1700
1650

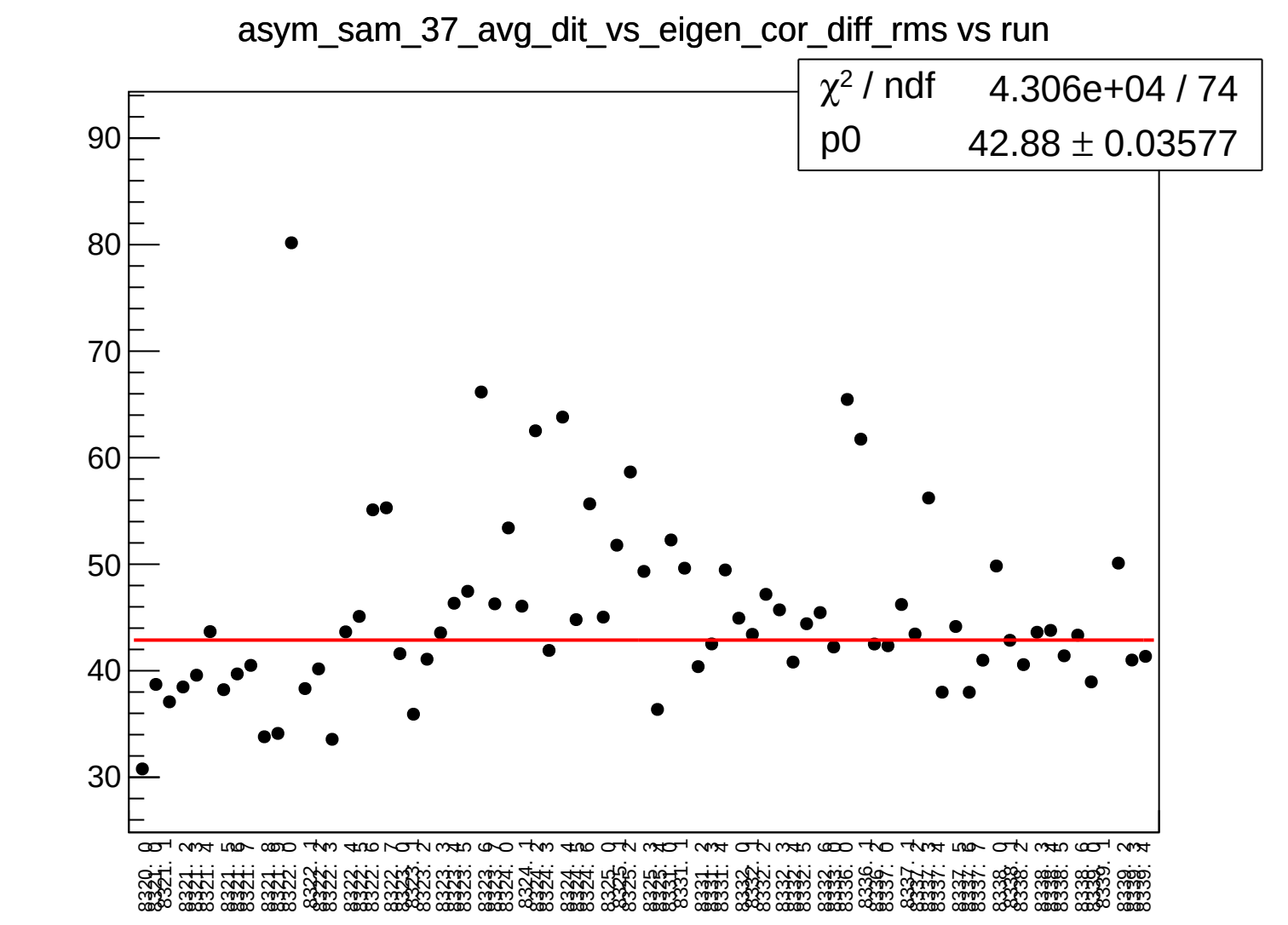

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 83.82 / 74
p0 −7.188e−14 ± 2.375e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean −38.49
Std Dev 0
pull1D
Entries 75
Mean −0.03932
Std Dev 1.056

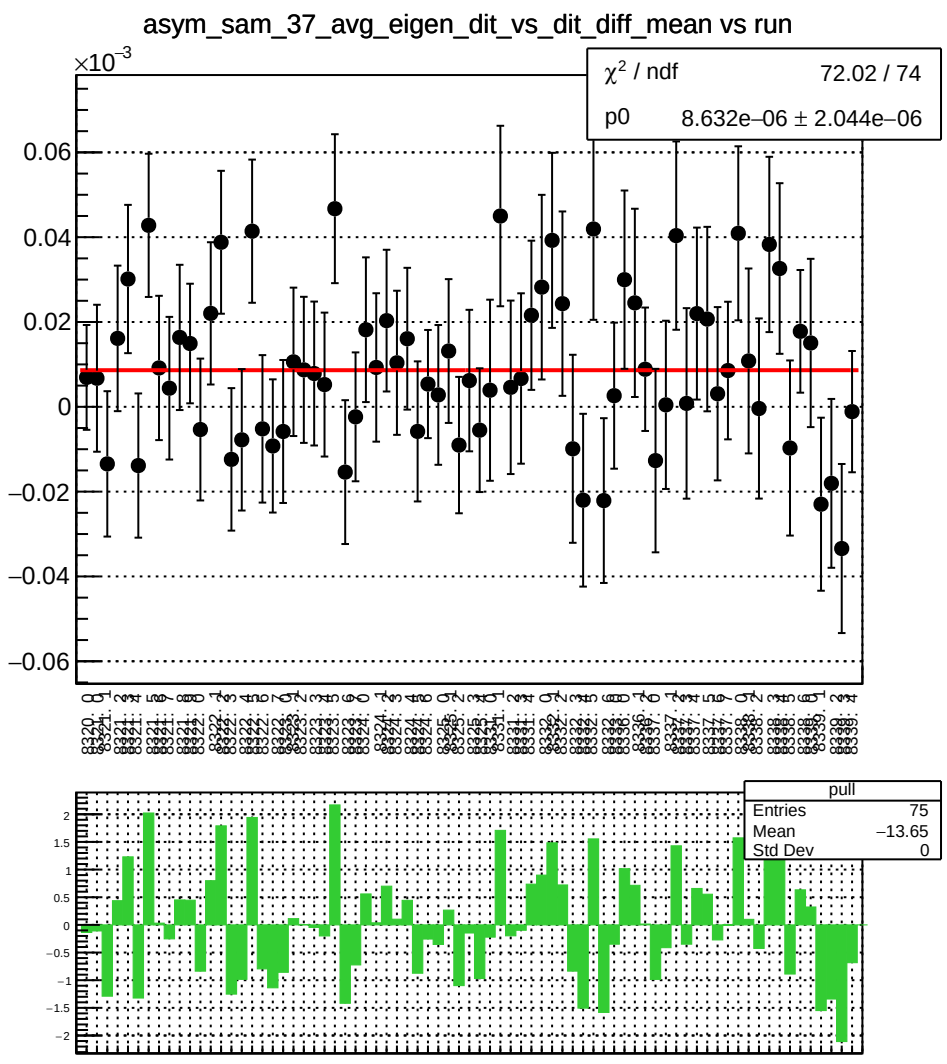

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.918e+05 / 74
p0 1.491e−10 ± 1.68e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

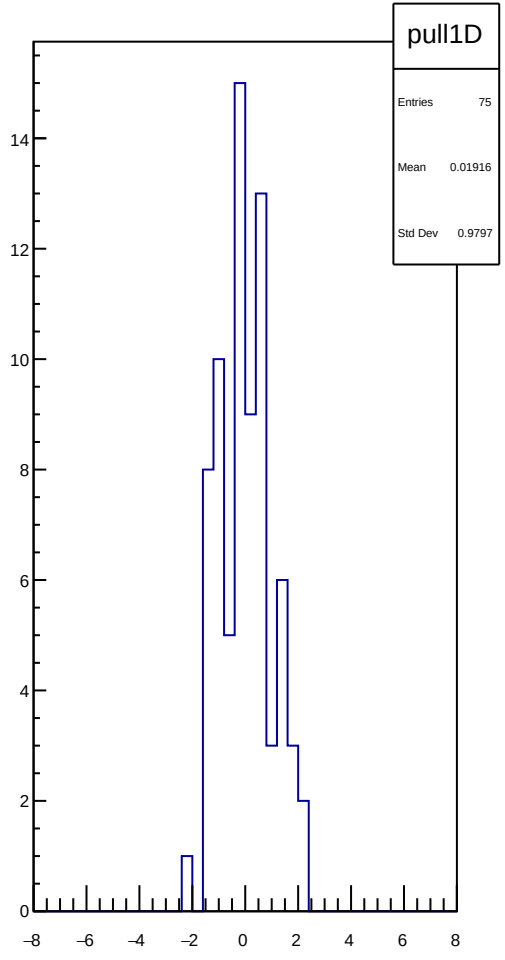

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.31 / 74
p0 −0.2935 ± 0.05058
pull
Entries 75
Mean 186.6
Std Dev 0
pull1D
Entries 75
Mean −0.03214
Std Dev 1.053

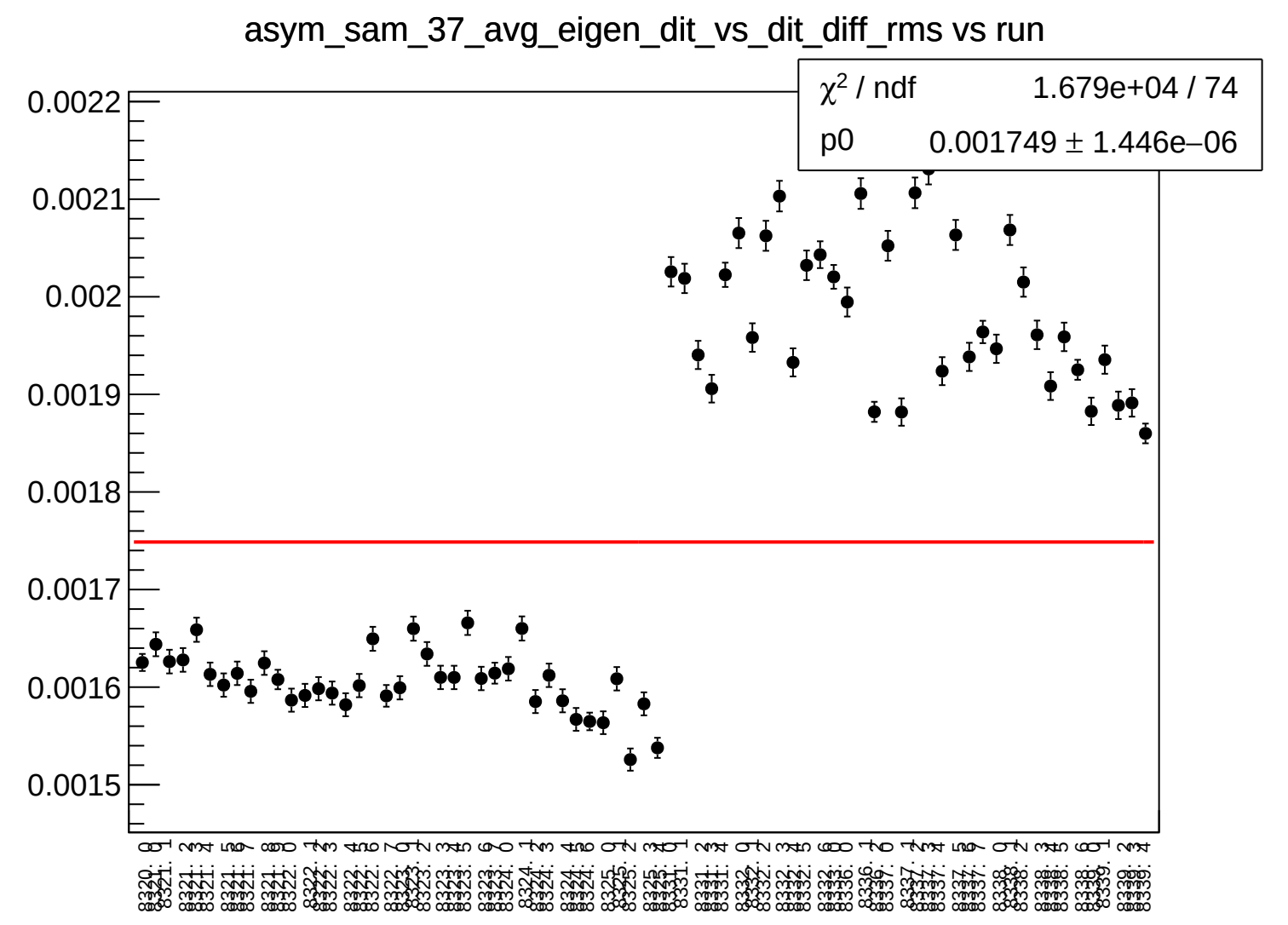

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 4.306e+04 / 74
p0 42.88 ± 0.03577
90
80
70
60
50
40
30

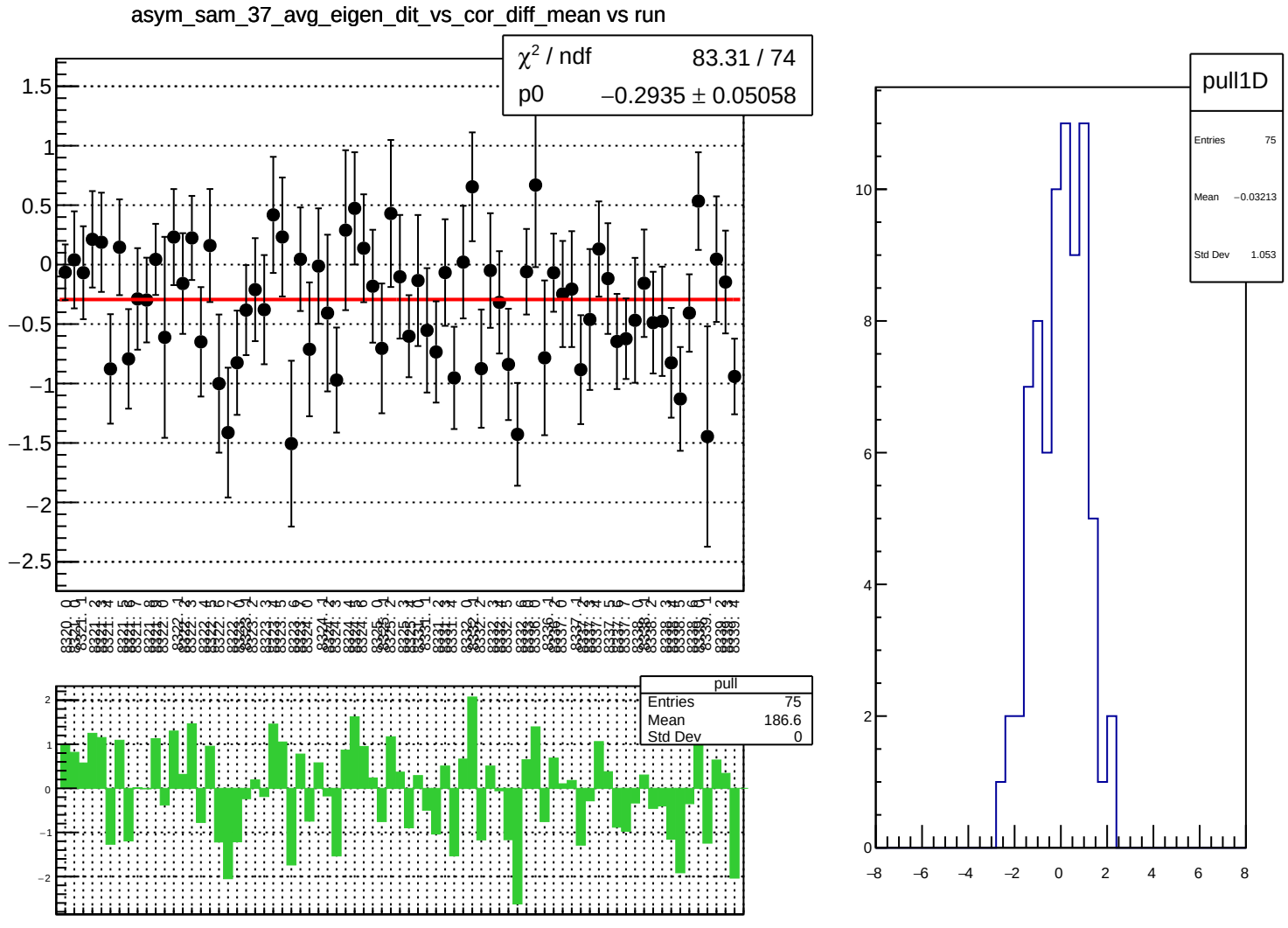

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.31 / 74
p0 −0.2935 ± 0.05058
pull
Entries 75
Mean 186.6
Std Dev 0
pull1D
Entries 75
Mean −0.03214
Std Dev 1.053

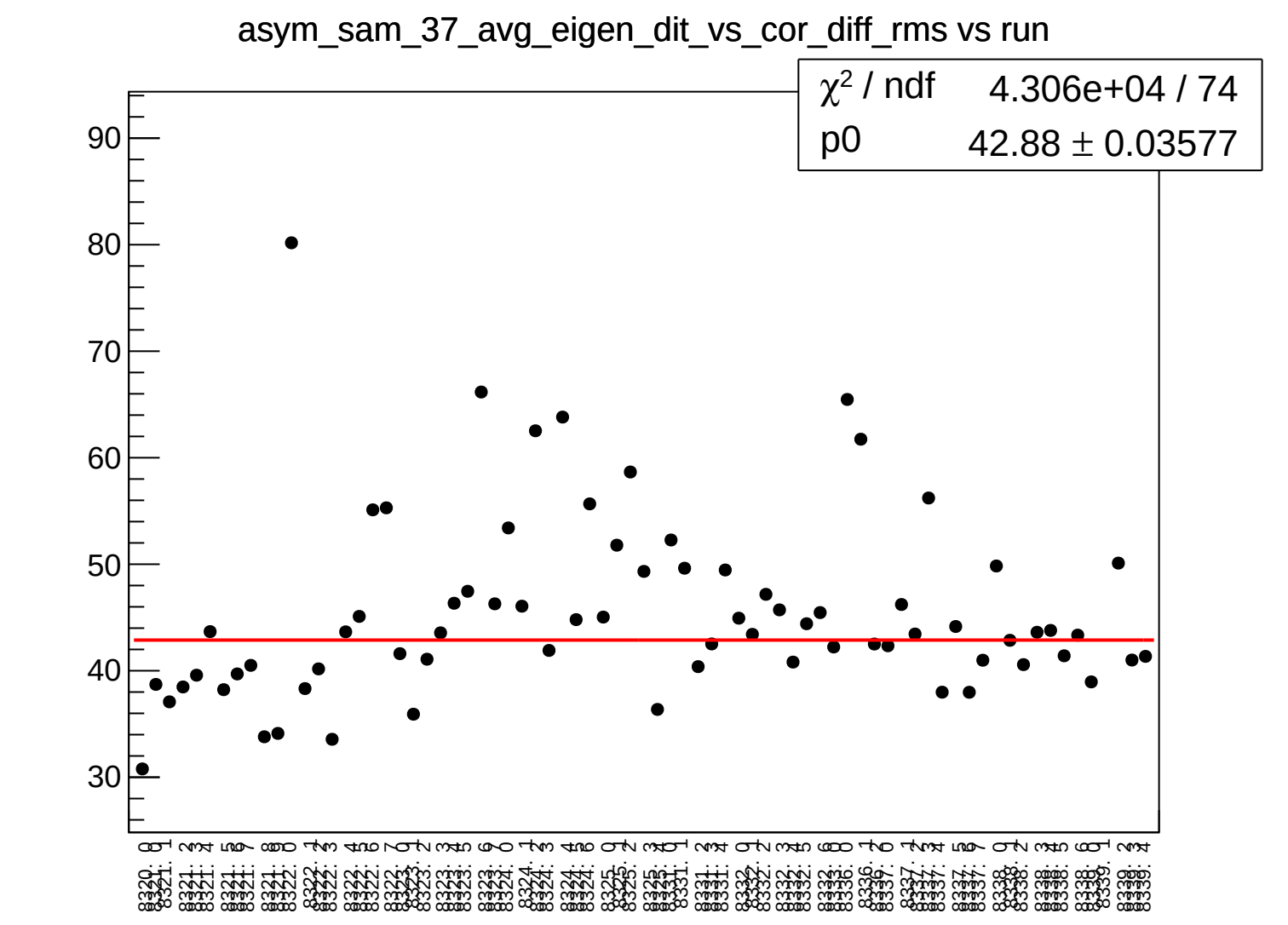

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.306e+04 / 74
p0 42.88 ± 0.03577
90
80
70
60
50
40
30

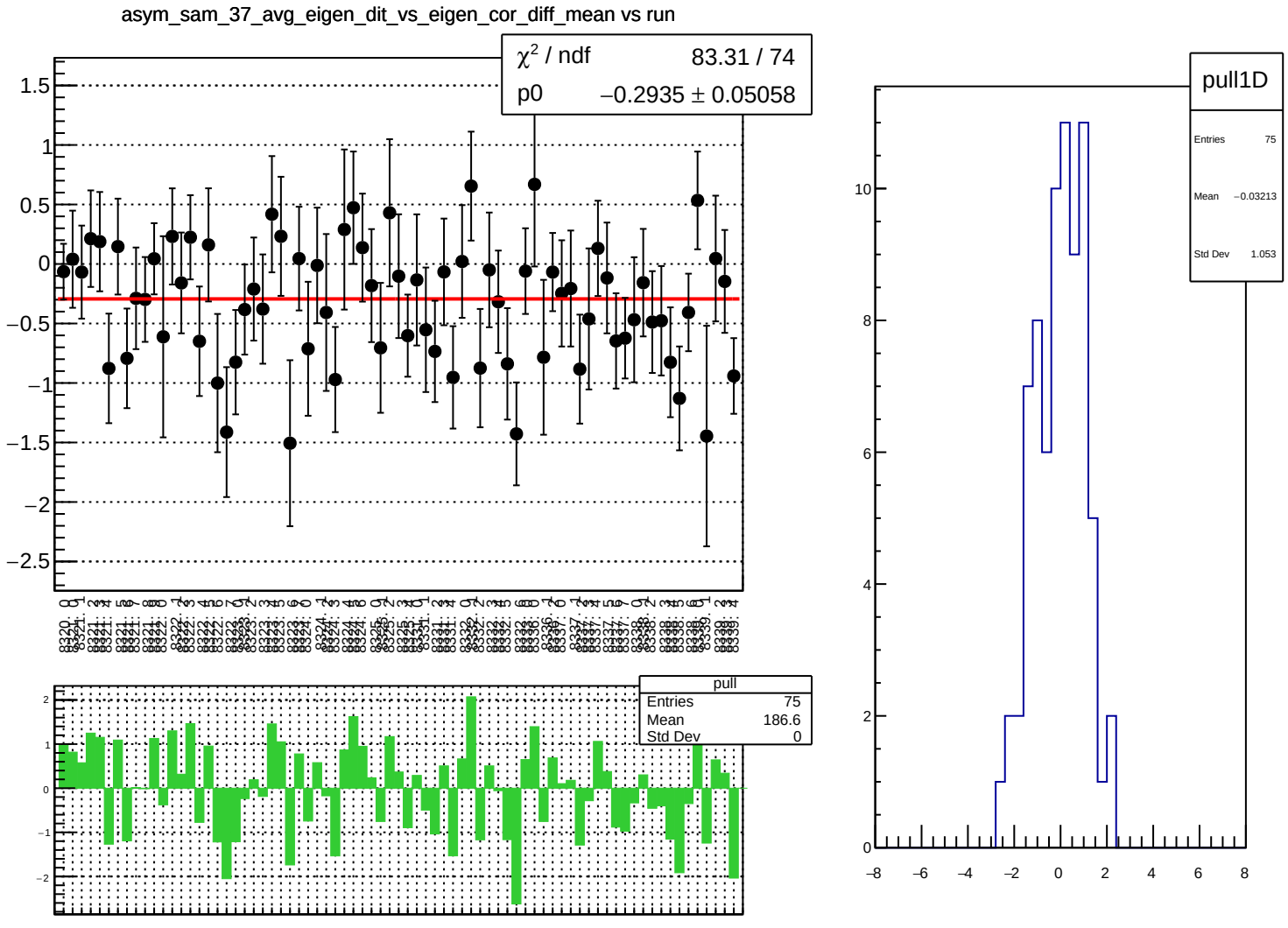

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 72.02 / 74
p0 8.632e−06 ± 2.044e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 75
Mean −13.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

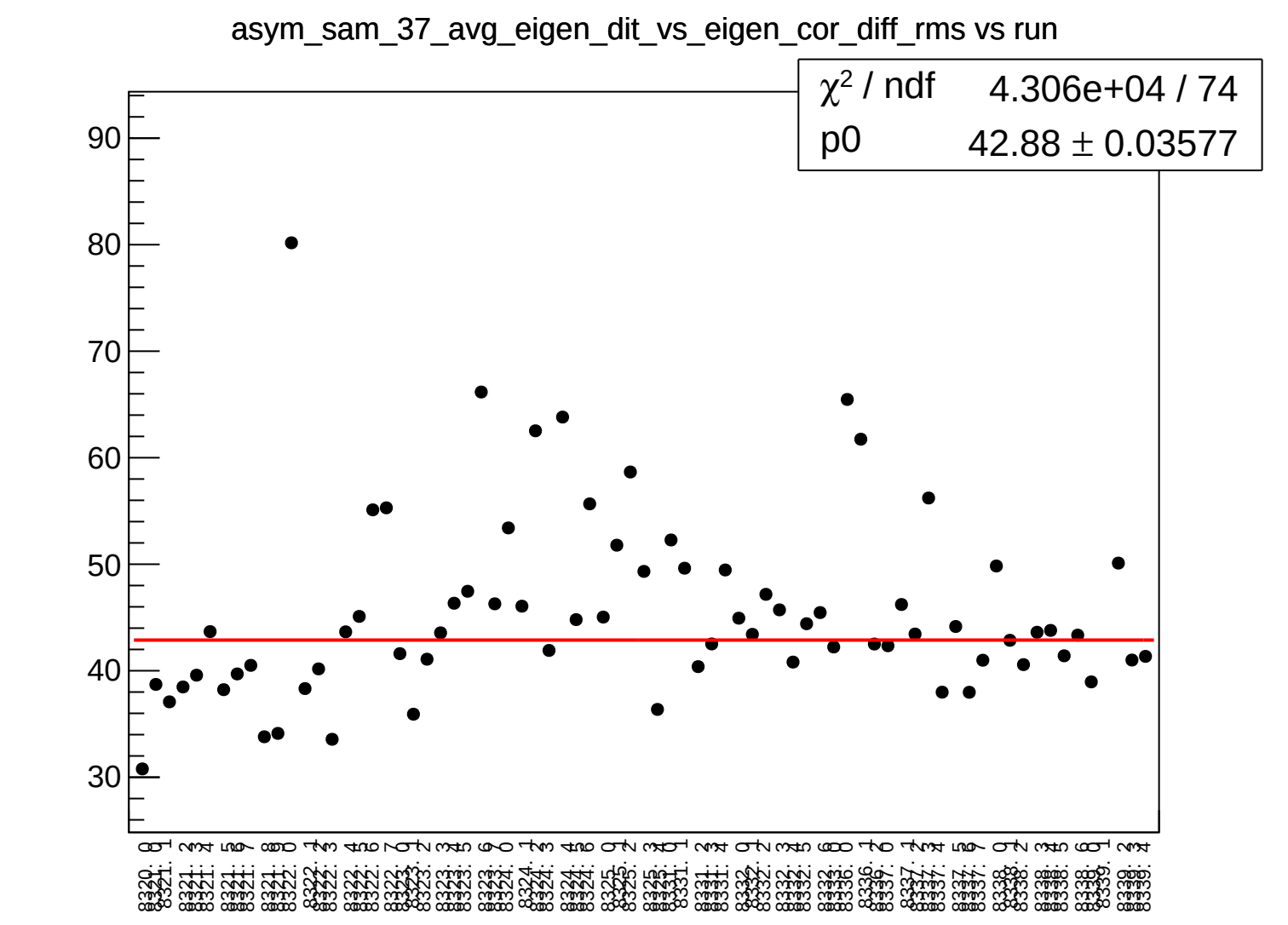

pull1D
Entries 75
Mean 0.01916
Std Dev 0.9797
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

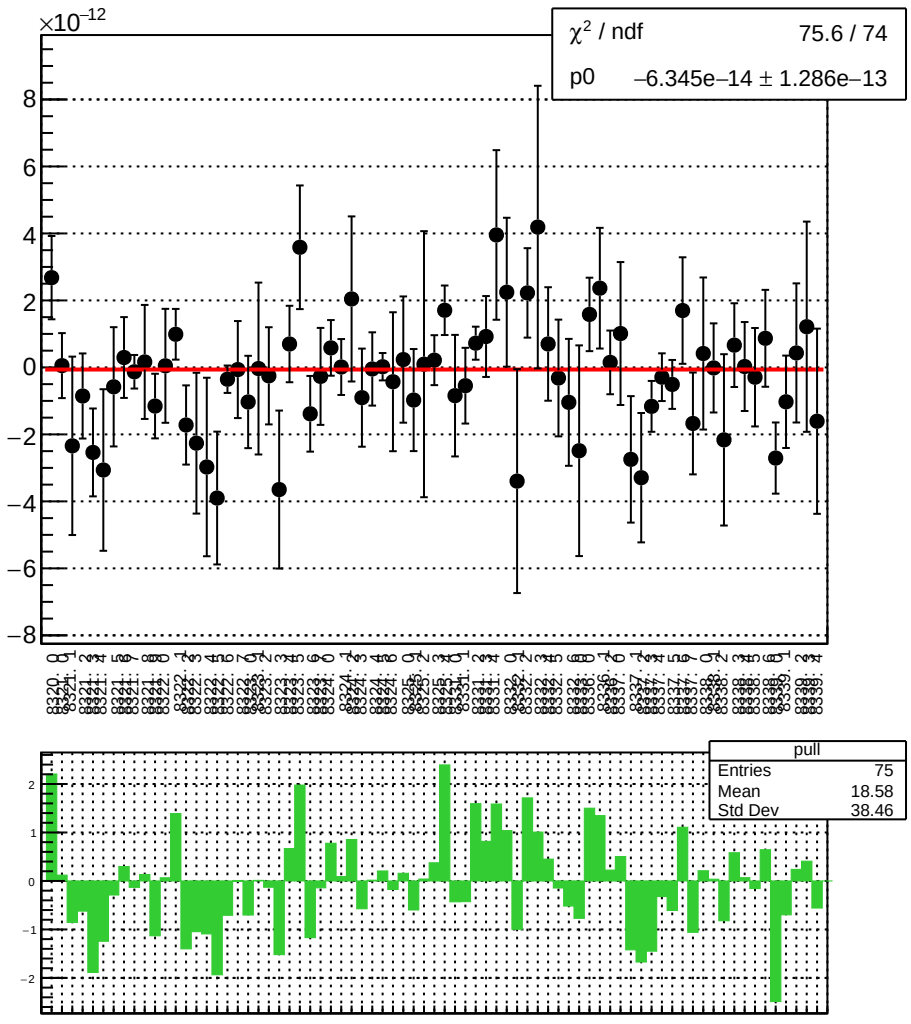

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.679e+04 / 74
p0 0.001749 ± 1.446e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015

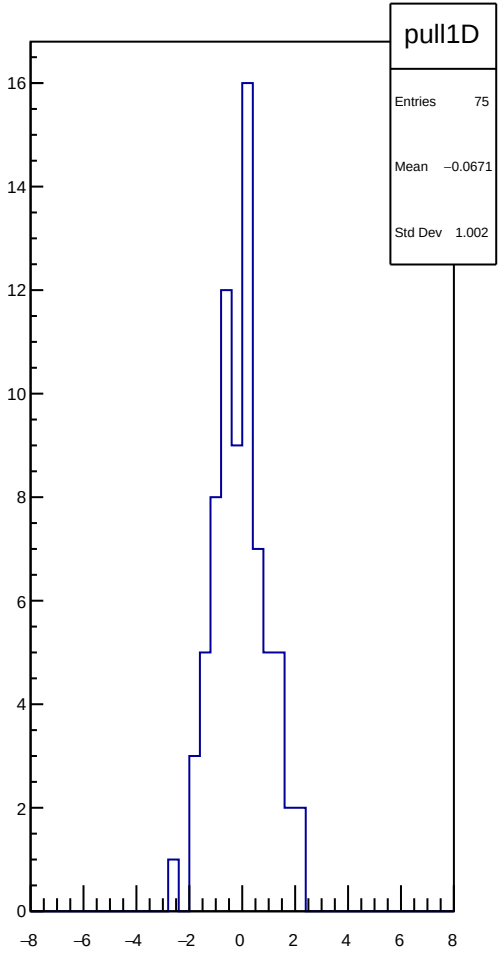

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.31 / 74
p0 −0.2935 ± 0.05058
pull
Entries 75
Mean 186.6
Std Dev 0
pull1D
Entries 75
Mean −0.03213
Std Dev 1.053

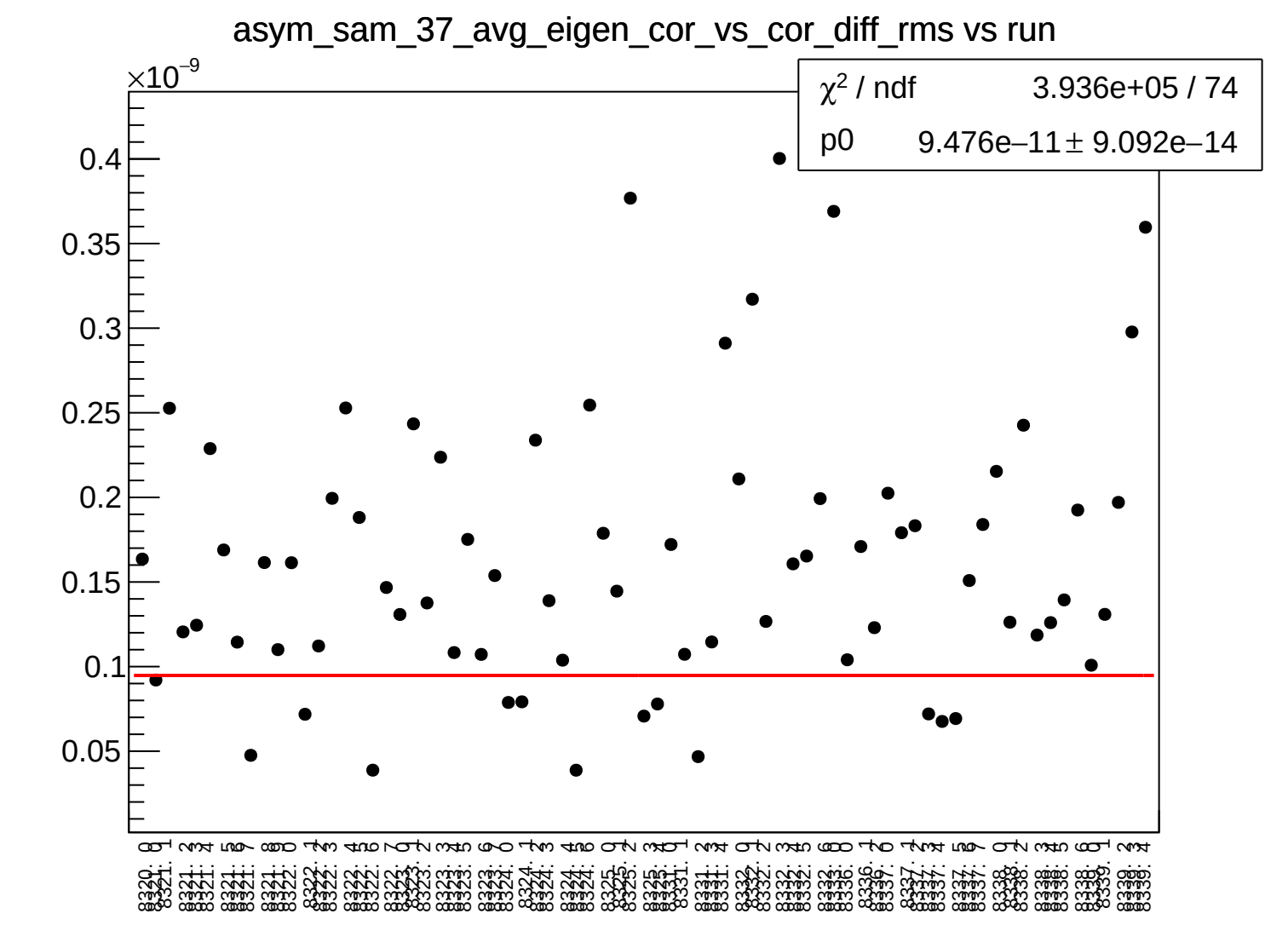

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.306e+04 / 74
p0 42.88 ± 0.03577
90
80
70
60
50
40
30

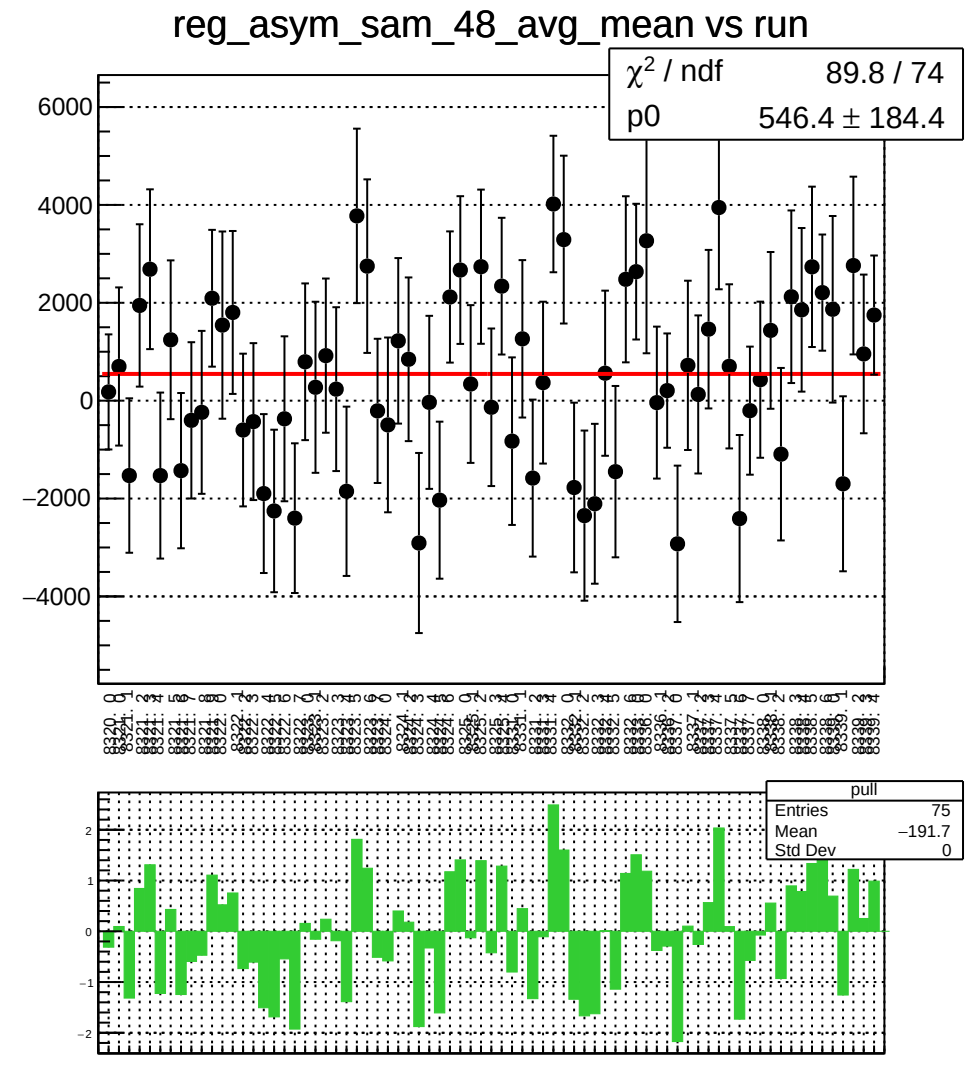

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.31 / 74
p0 −0.2935 ± 0.05058
pull
Entries 75
Mean 186.6
Std Dev 0
pull1D
Entries 75
Mean −0.03213
Std Dev 1.053

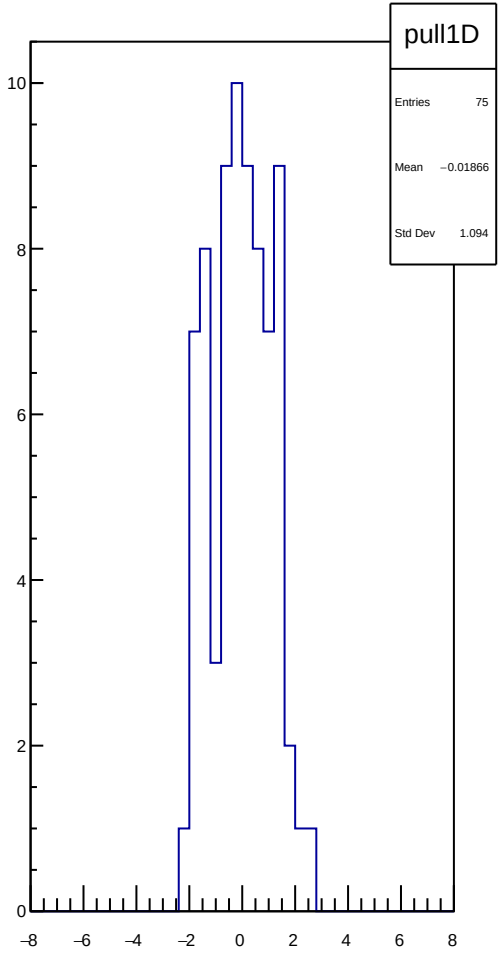

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.306e+04 / 74
p0 42.88 ± 0.03577
90
80
70
60
50
40
30

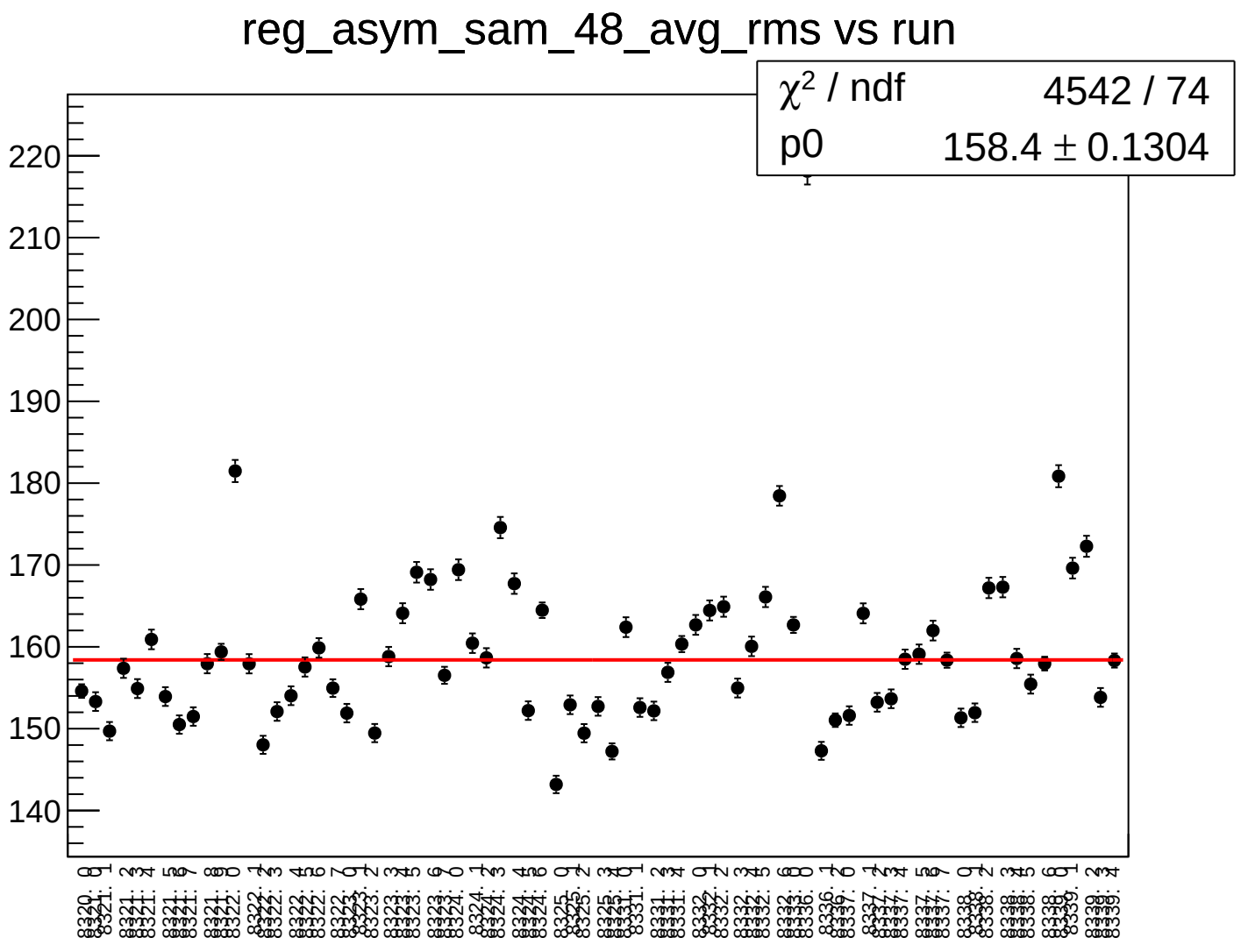

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 75.6 / 74
p0 −6.345e−14 ± 1.286e−13
pull
Entries 75
Mean 18.58
Std Dev 38.46

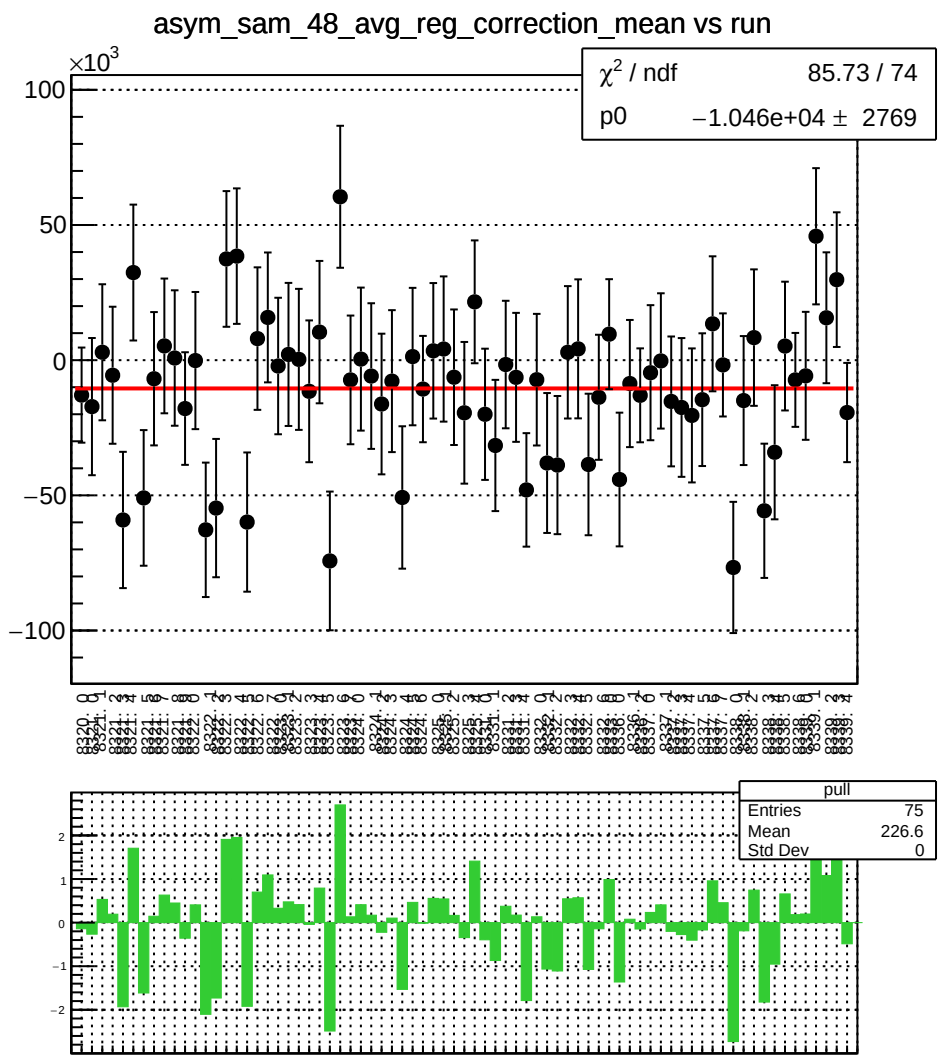

pull1D
Entries 75
Mean −0.0671
Std Dev 1.002

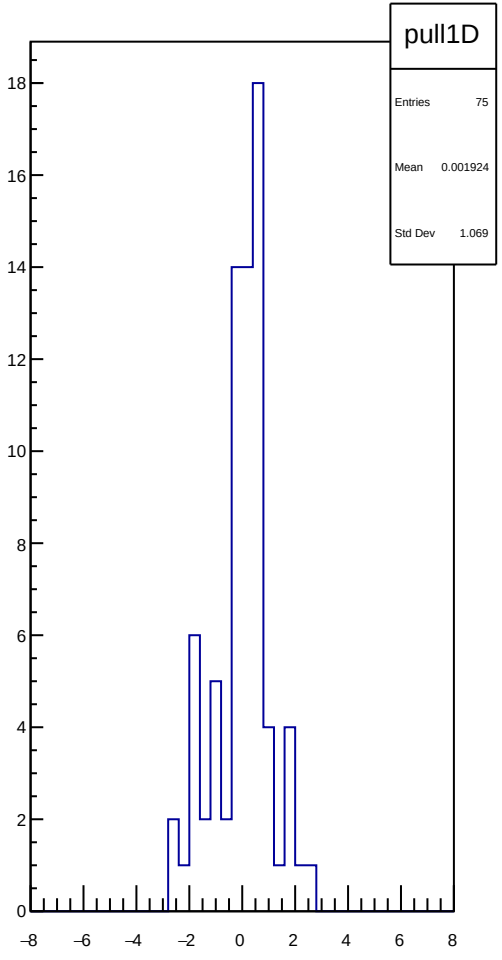

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.936e+05 / 74
p0 9.476e−11 ± 9.092e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

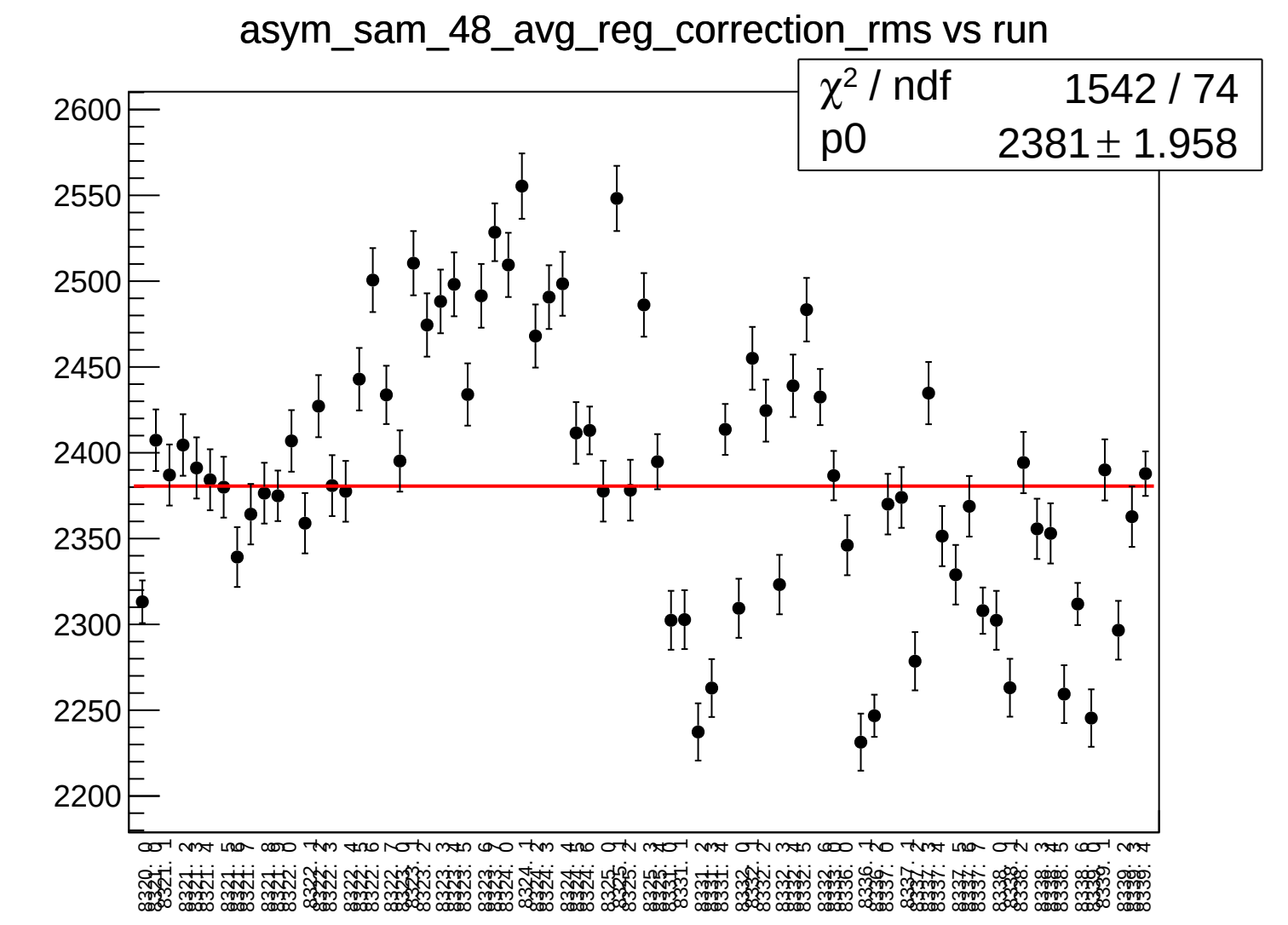

reg_asym_sam_48_avg_mean vs run
χ² / ndf 89.8 / 74
p0 546.4 ± 184.4
pull
Entries 75
Mean −191.7
Std Dev 0

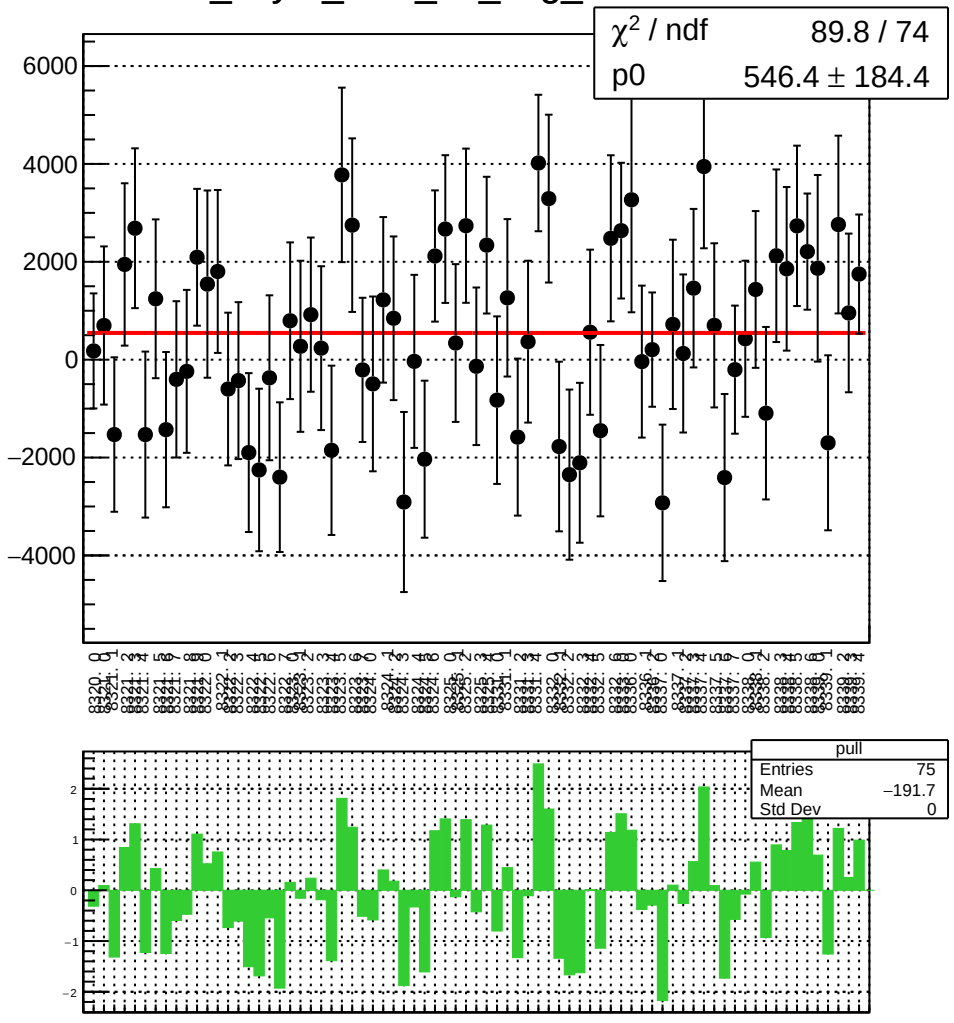

pull1D
Entries 75
Mean −0.01866
Std Dev 1.094

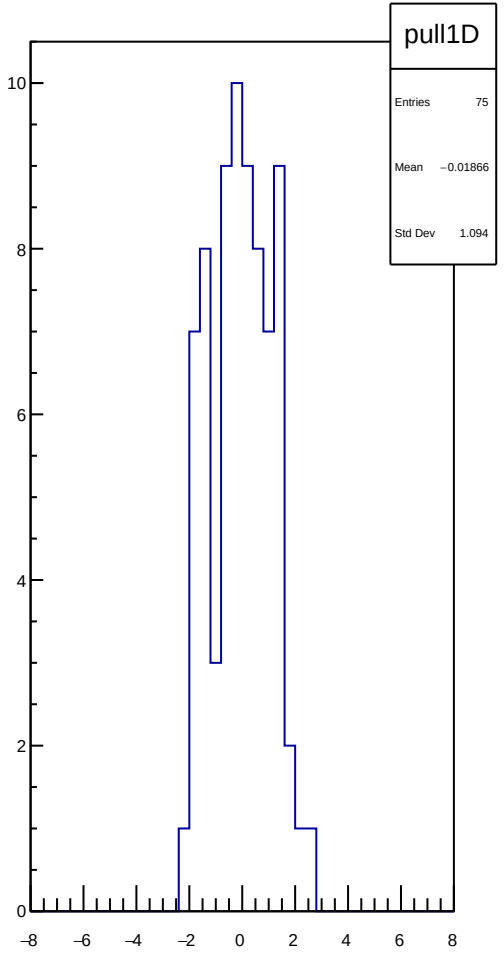

reg_asym_sam_48_avg_rms vs run
χ² / ndf 4542 / 74
p0 158.4 ± 0.1304
220
210
200
190
180
170
160
150
140

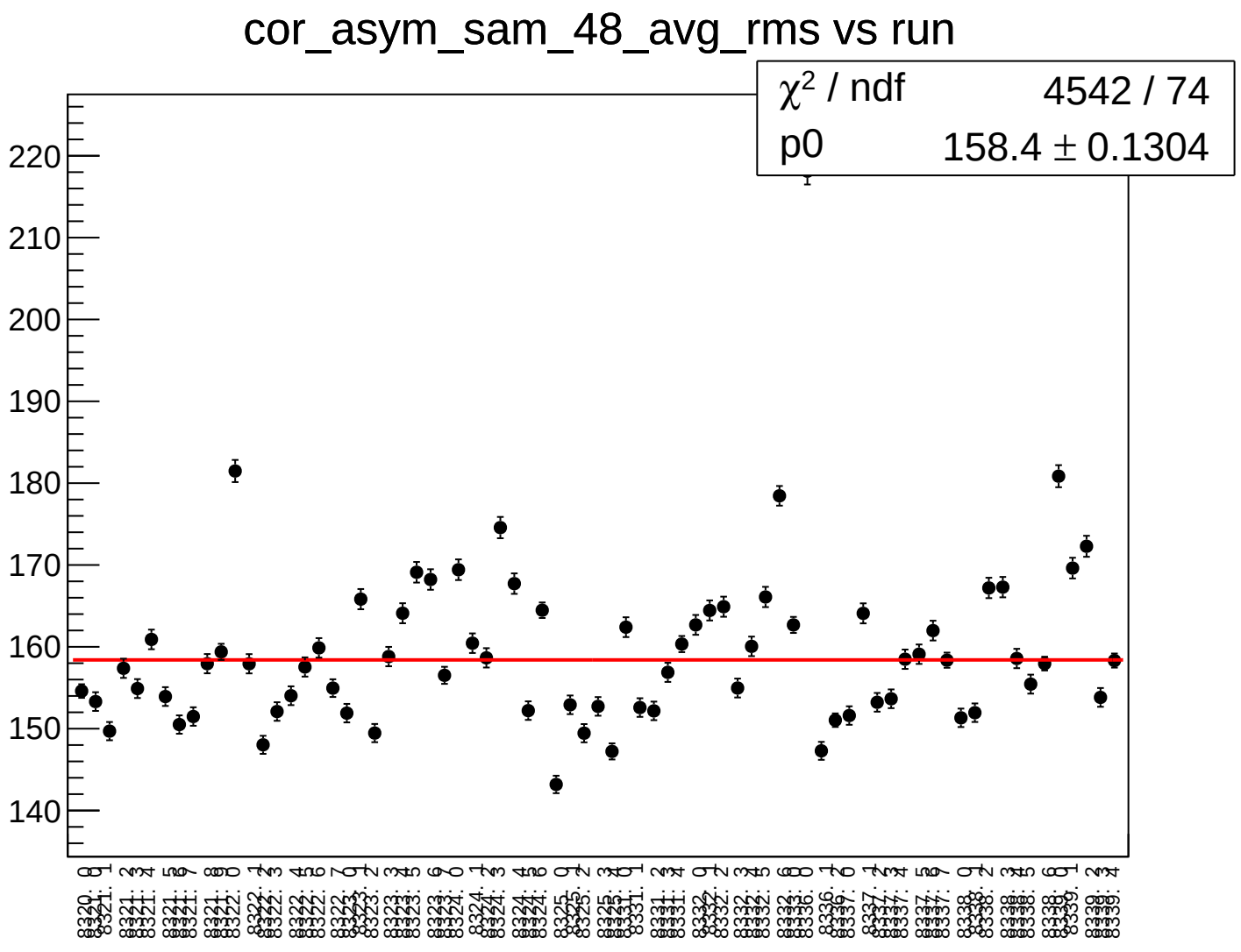

asym_sam_48_avg_reg_correction_mean vs run
×10^3
χ² / ndf 85.73 / 74
p0 −1.046e+04 ± 2769
pull
Entries 75
Mean 226.6
Std Dev 0

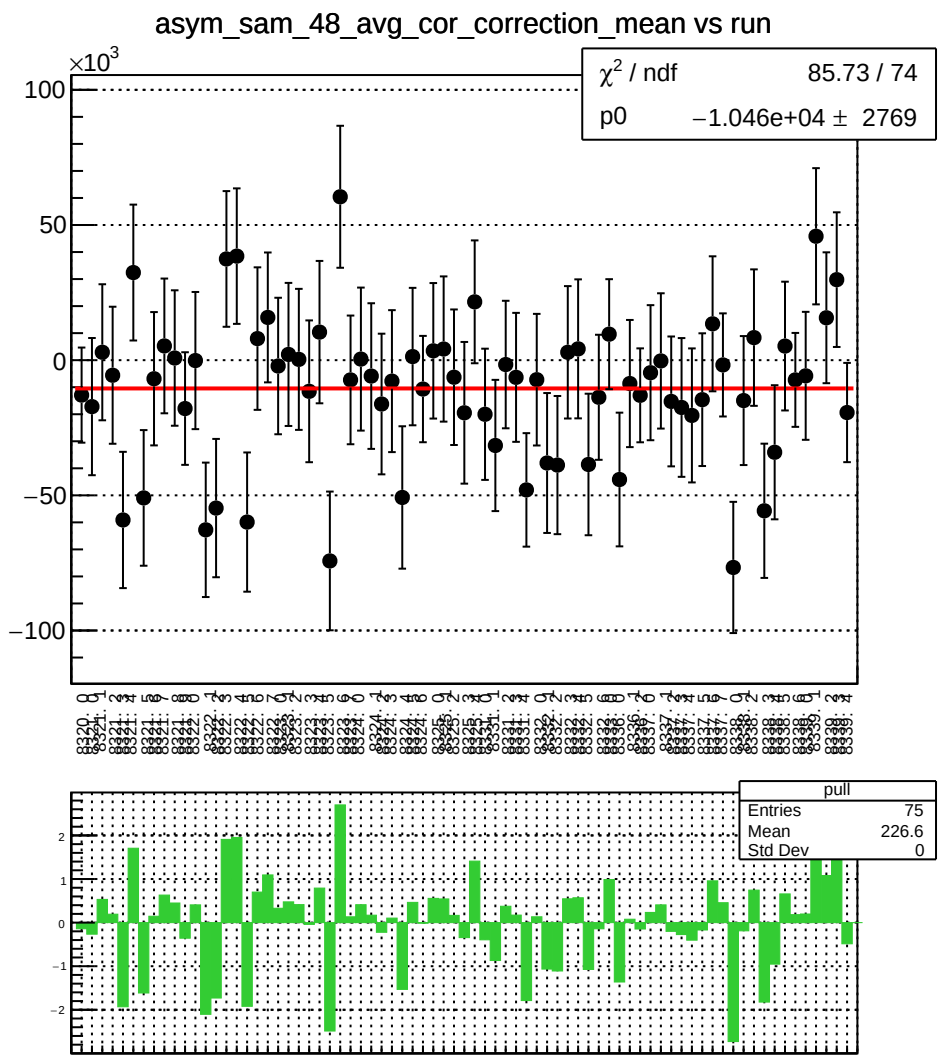

pull1D
Entries 75
Mean 0.001924
Std Dev 1.069

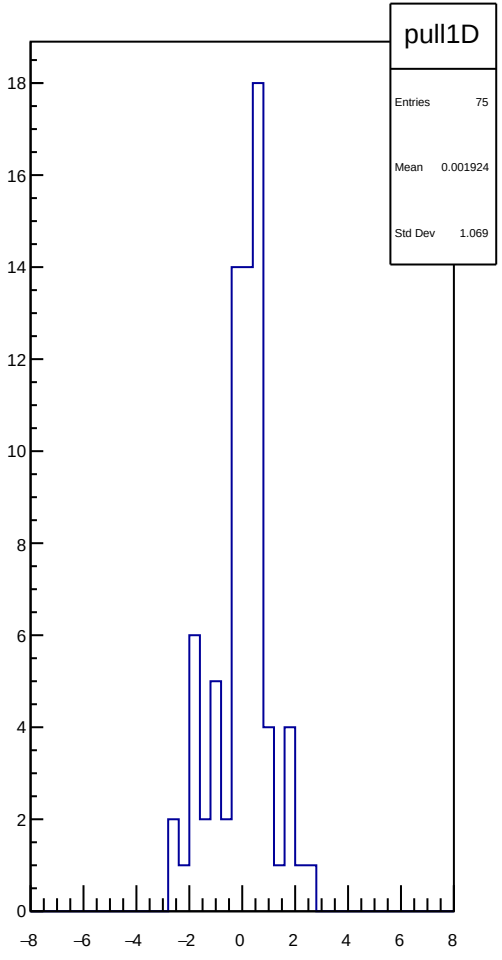

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1542 / 74
p0 2381 ± 1.958
2600
2550
2500
2450
2400
2350
2300
2250
2200

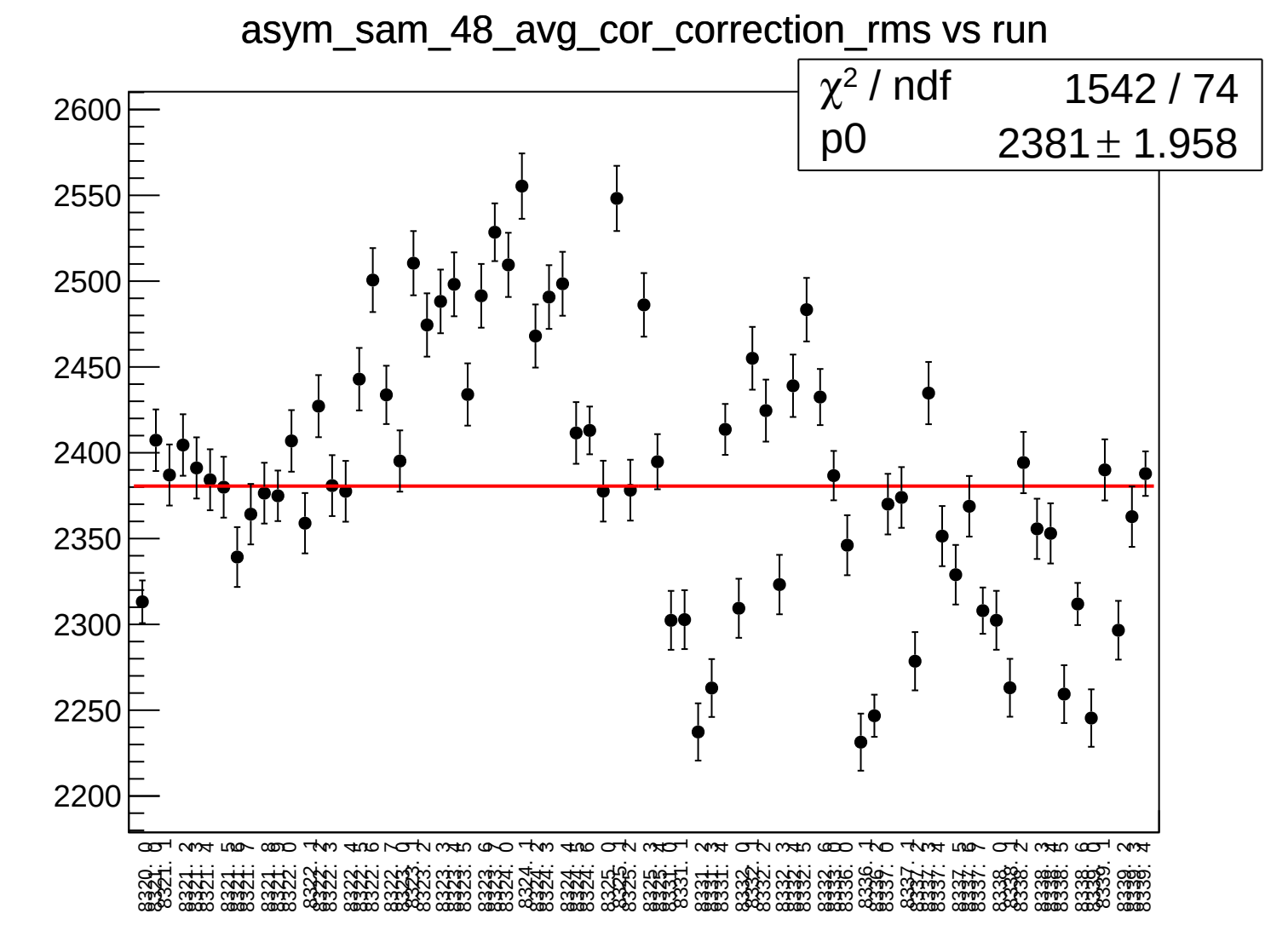

cor_asym_sam_48_avg_mean vs run
χ² / ndf 89.8 / 74
p0 546.4 ± 184.4
pull
Entries 75
Mean −191.7
Std Dev 0

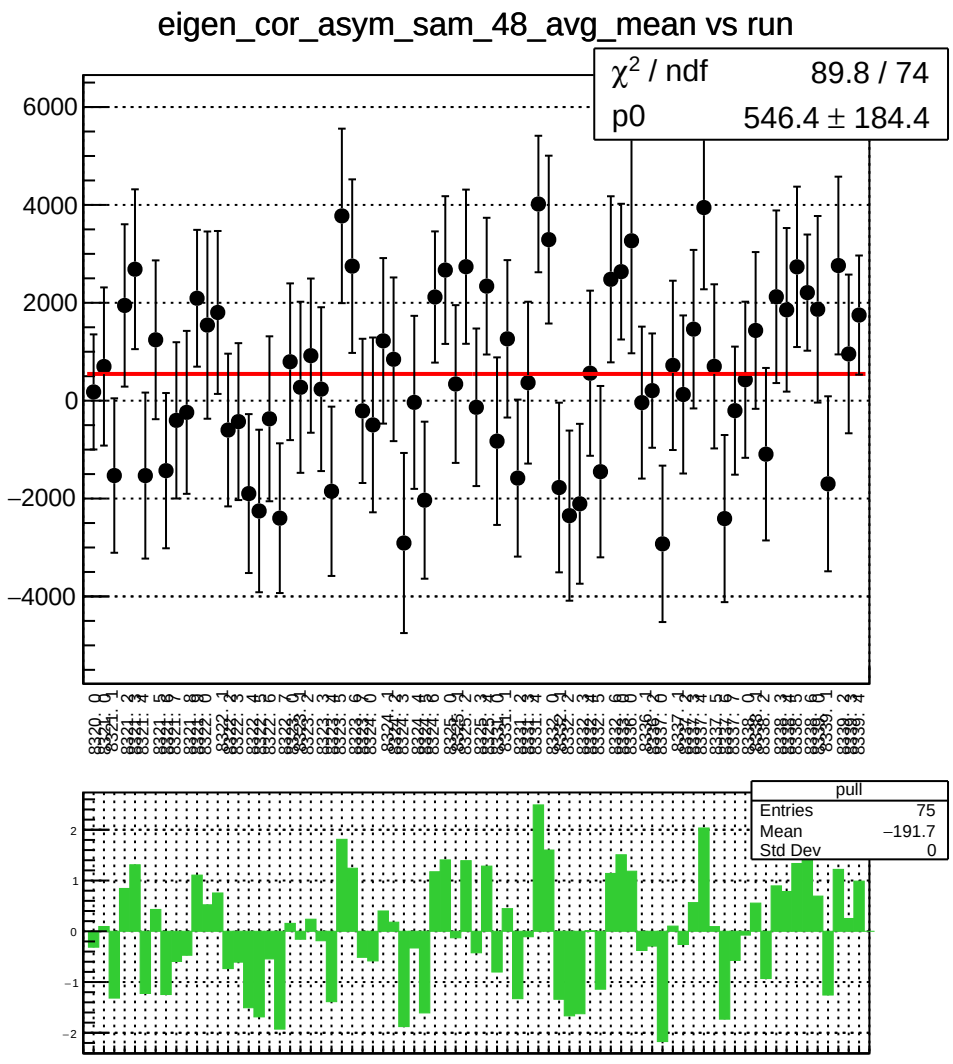

pull1D
Entries 75
Mean −0.01866
Std Dev 1.094

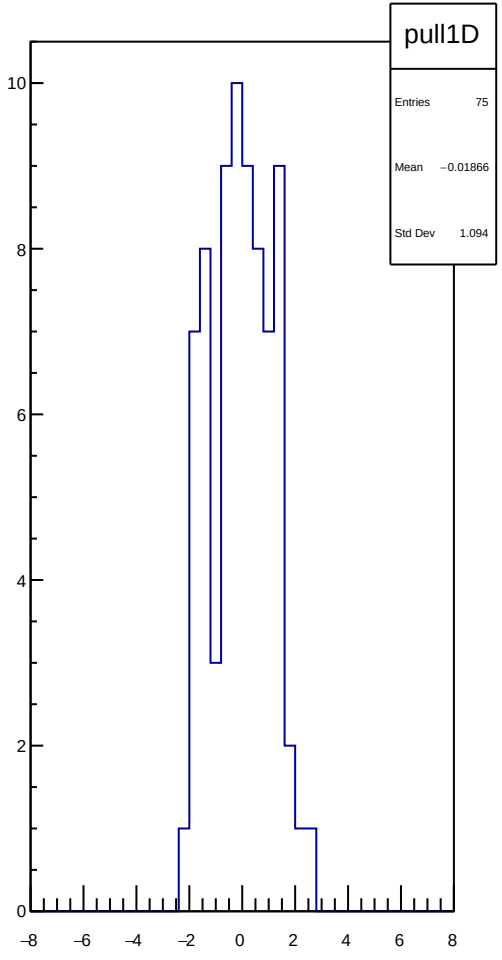

cor_asym_sam_48_avg_rms vs run
χ² / ndf 4542 / 74
p0 158.4 ± 0.1304
220
210
200
190
180
170
160
150
140

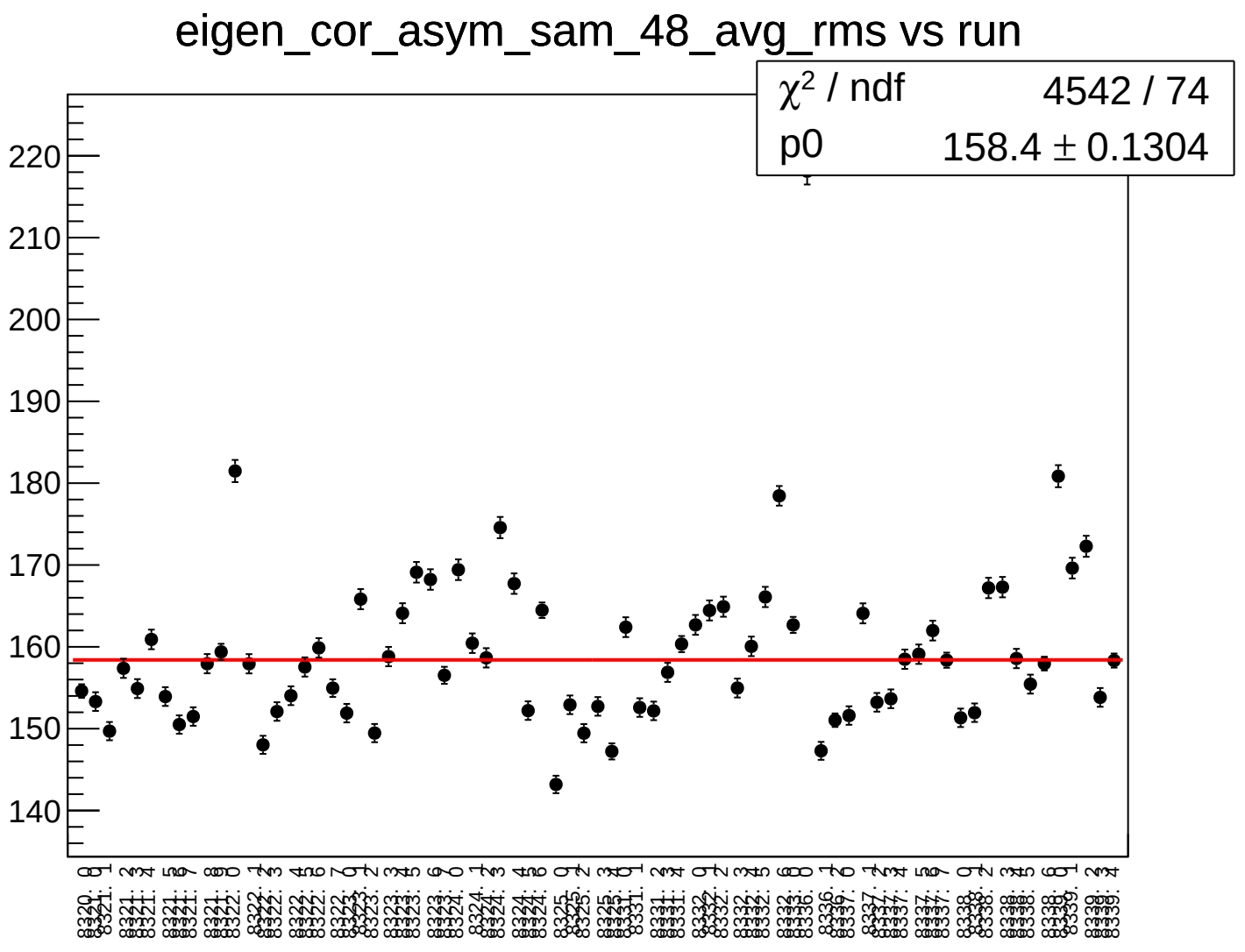

asym_sam_48_avg_cor_correction_mean vs run
×10^3
χ² / ndf 85.73 / 74
p0 −1.046e+04 ± 2769
pull
Entries 75
Mean 226.6
Std Dev 0

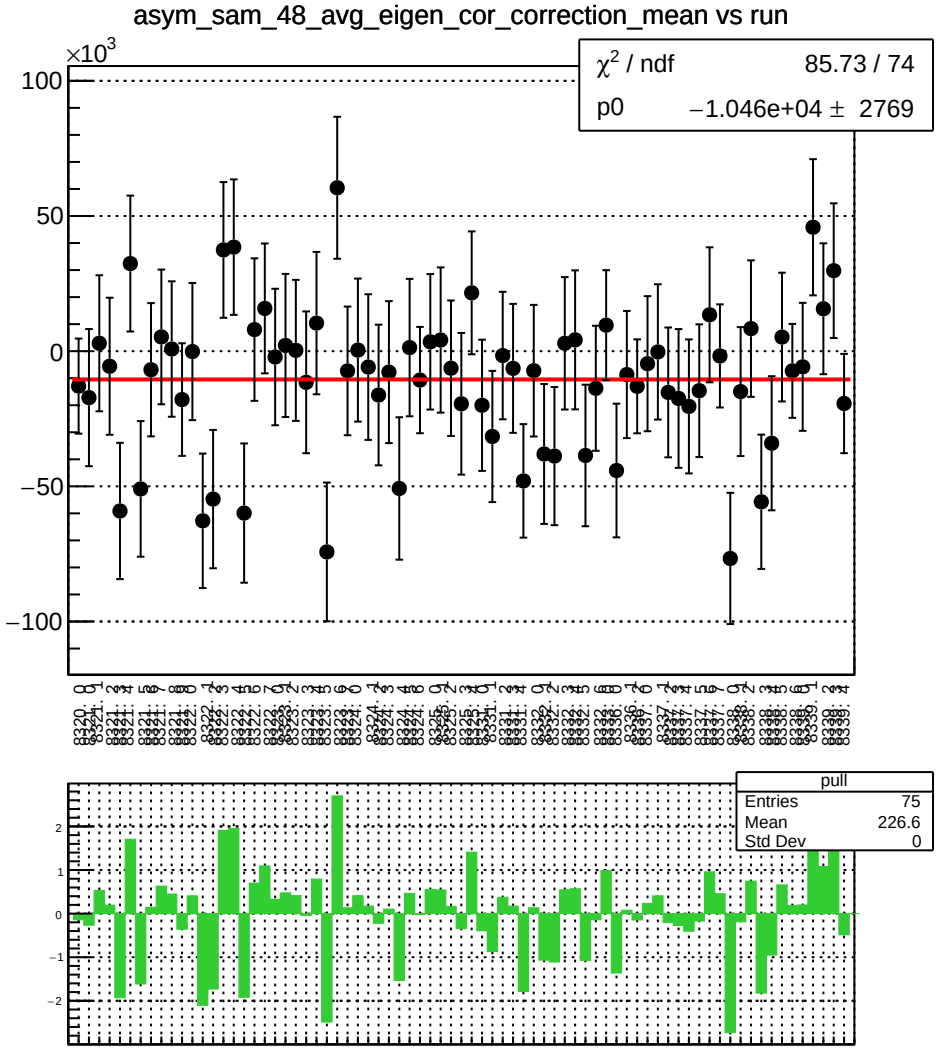

pull1D
Entries 75
Mean 0.001924
Std Dev 1.069

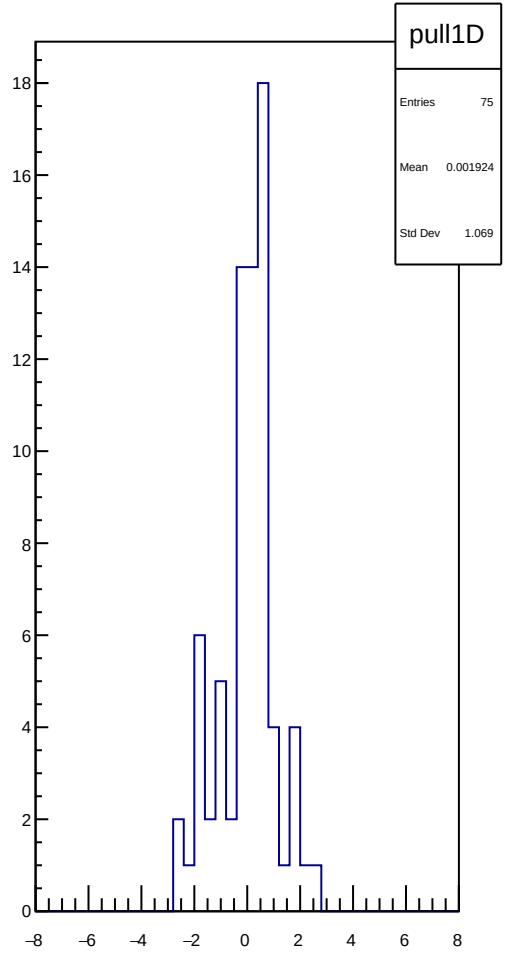

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1542 / 74
p0 2381 ± 1.958
2600
2550
2500
2450
2400
2350
2300
2250
2200

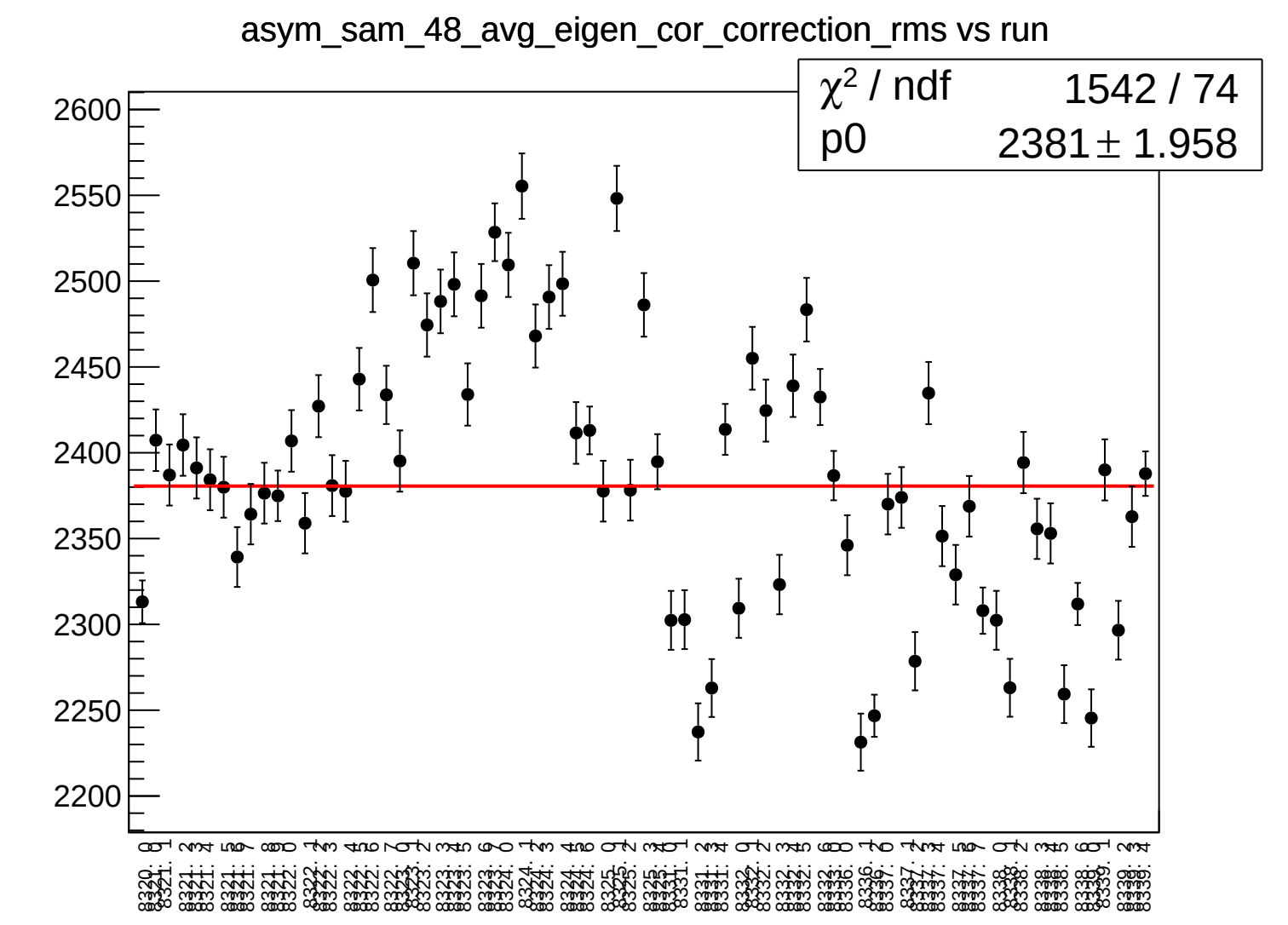

eigen_cor_asym_sam_48_avg_mean vs run
χ^2 / ndf 89.8 / 74
p0 546.4 ± 184.4
pull
Entries 75
Mean −191.7
Std Dev 0

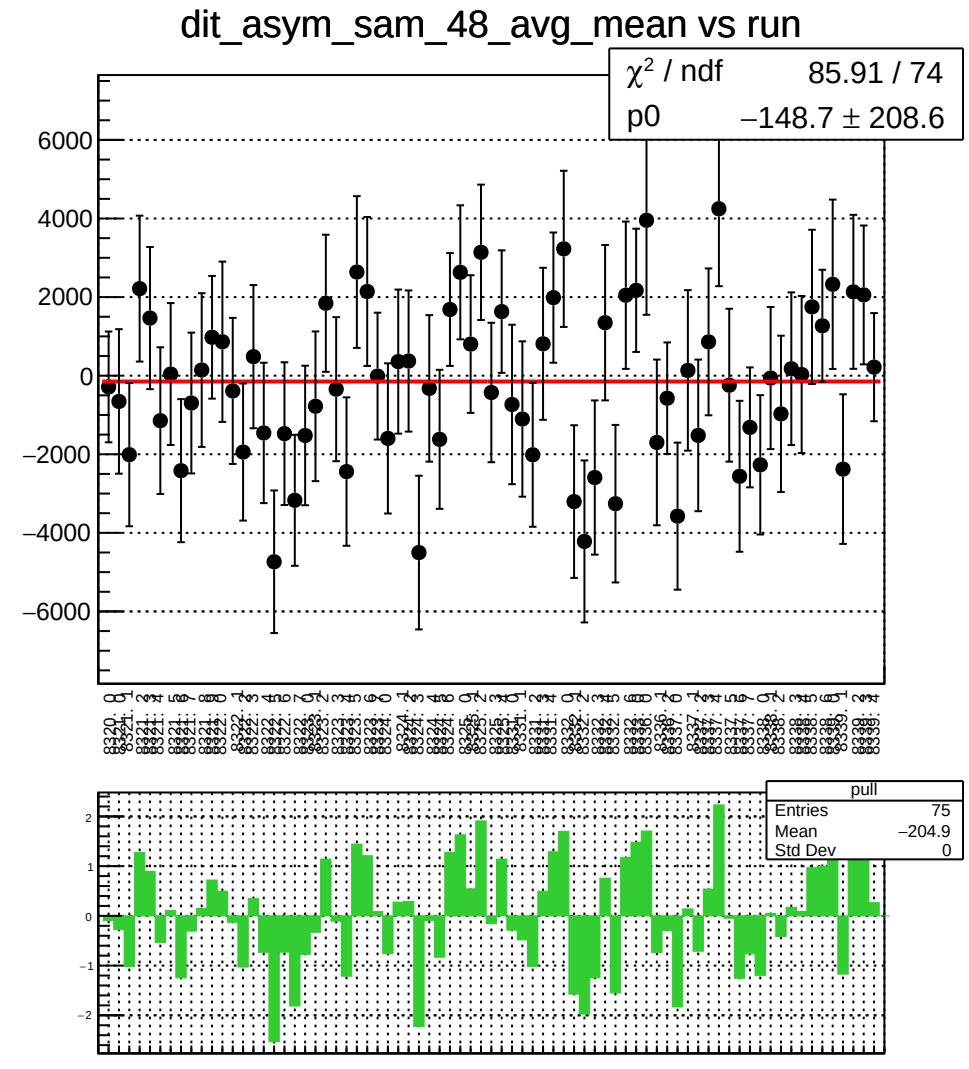

pull1D
Entries 75
Mean −0.01866
Std Dev 1.094

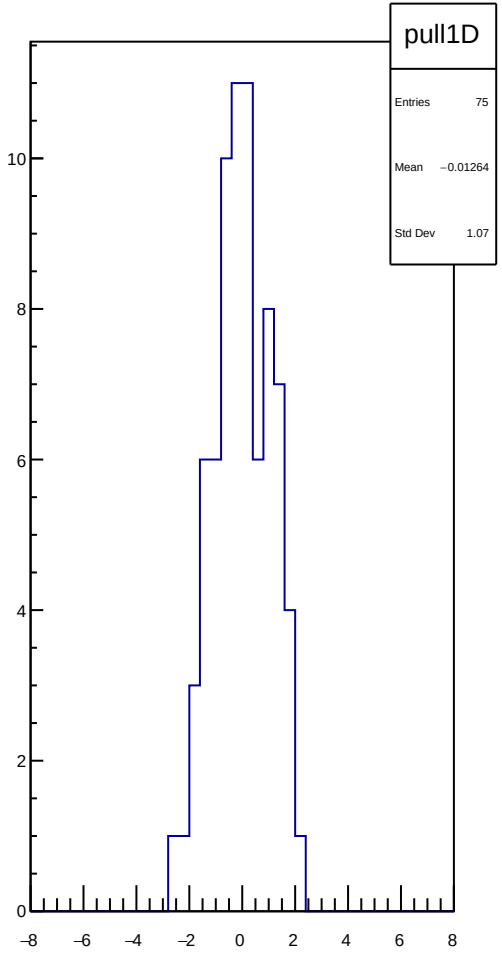

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 4542 / 74
p0 158.4 ± 0.1304
220
210
200
190
180
170
160
150
140

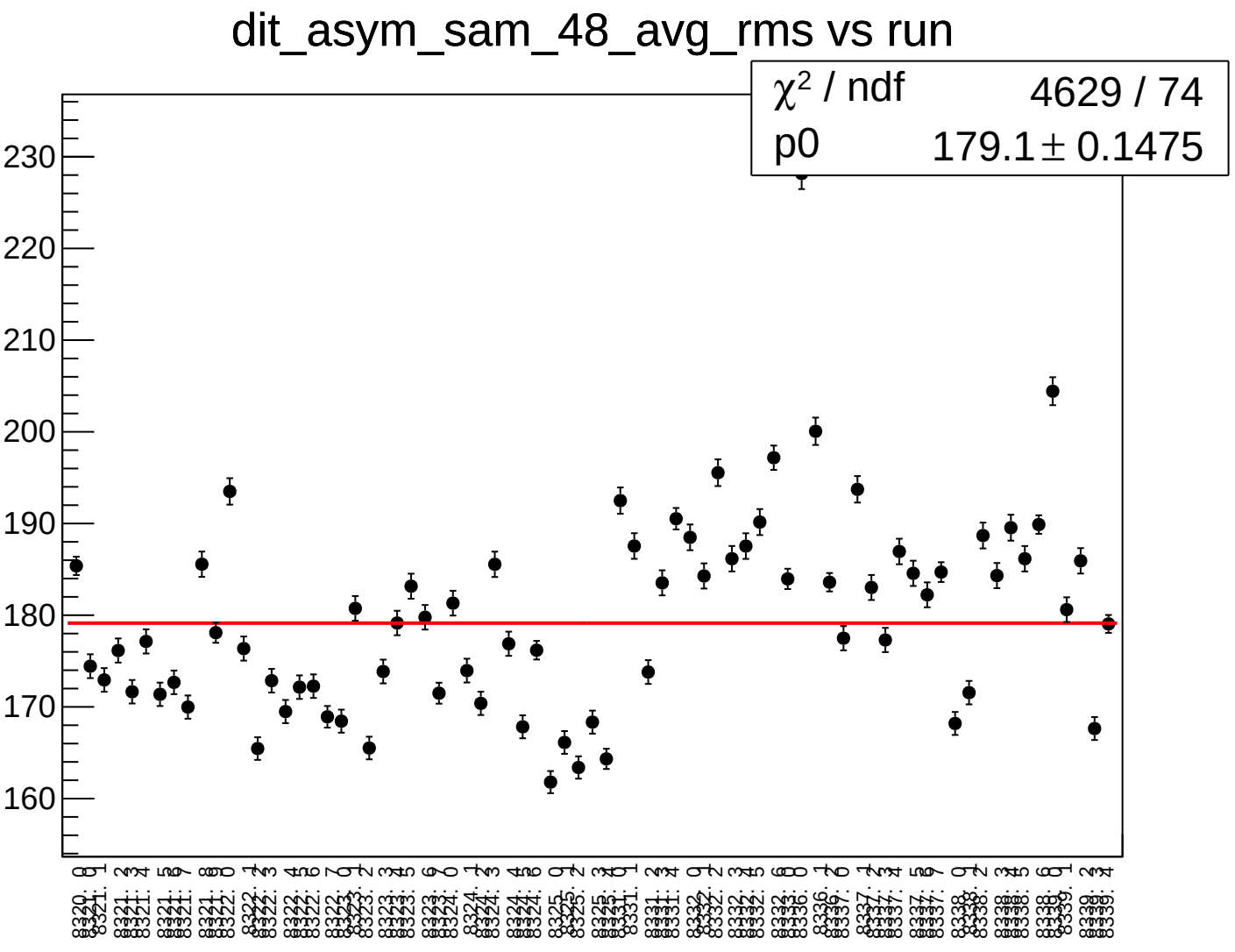

asym_sam_48_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 85.73 / 74
p0 −1.046e+04 ± 2769
pull
Entries 75
Mean 226.6
Std Dev 0

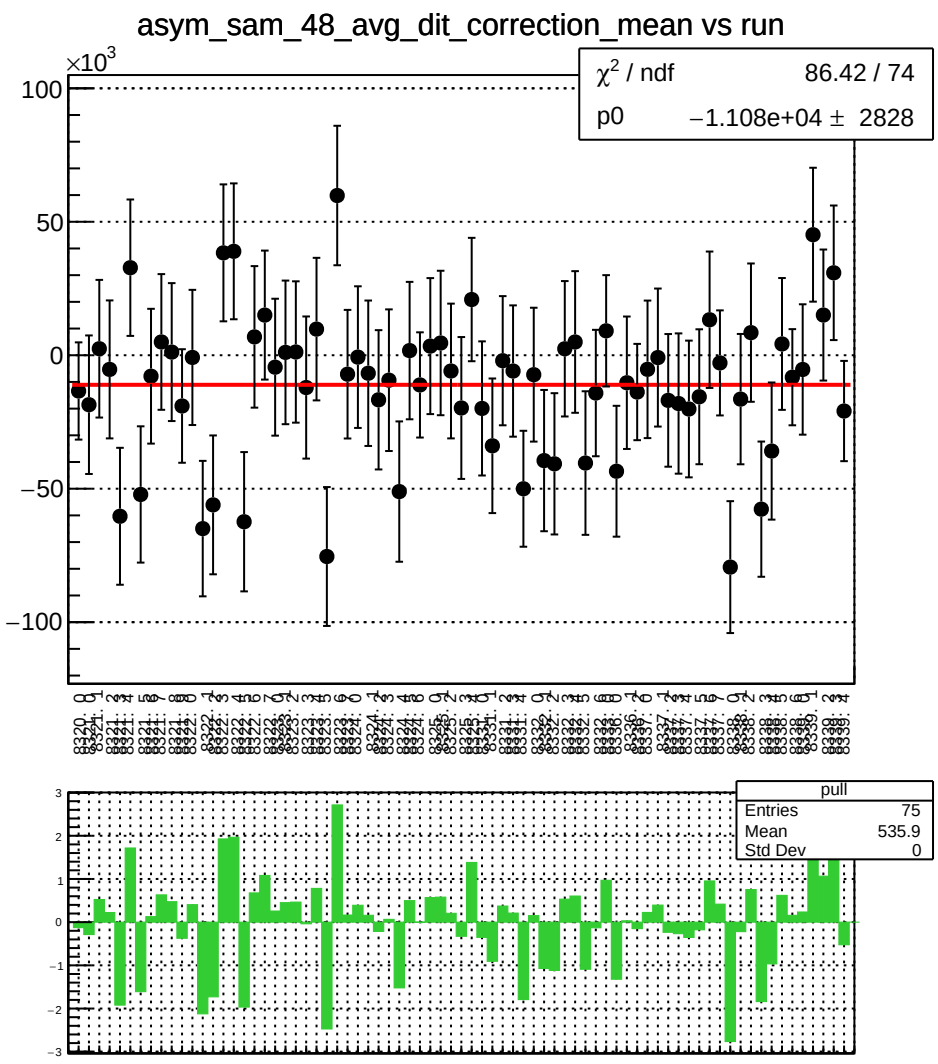

pull1D
Entries 75
Mean 0.001924
Std Dev 1.069

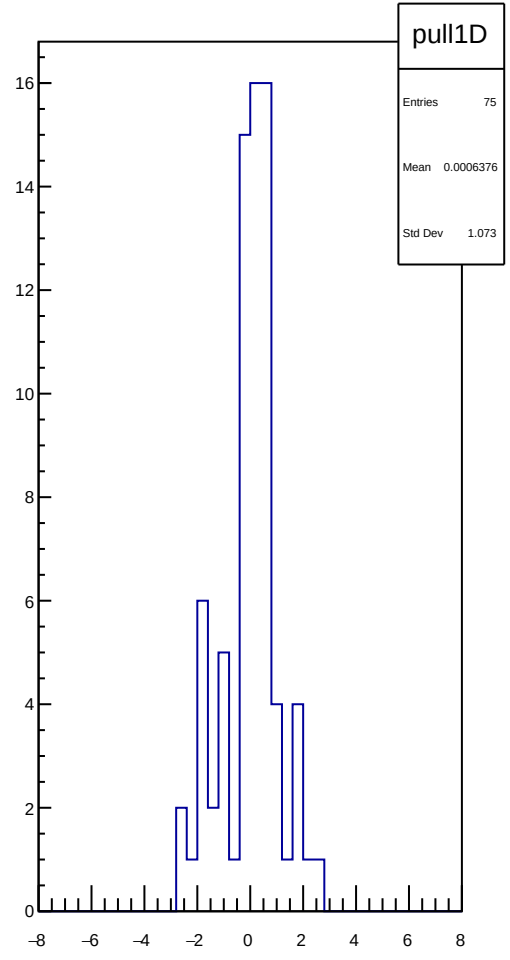

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1542 / 74
p0 2381 ± 1.958
2600
2550
2500
2450
2400
2350
2300
2250
2200

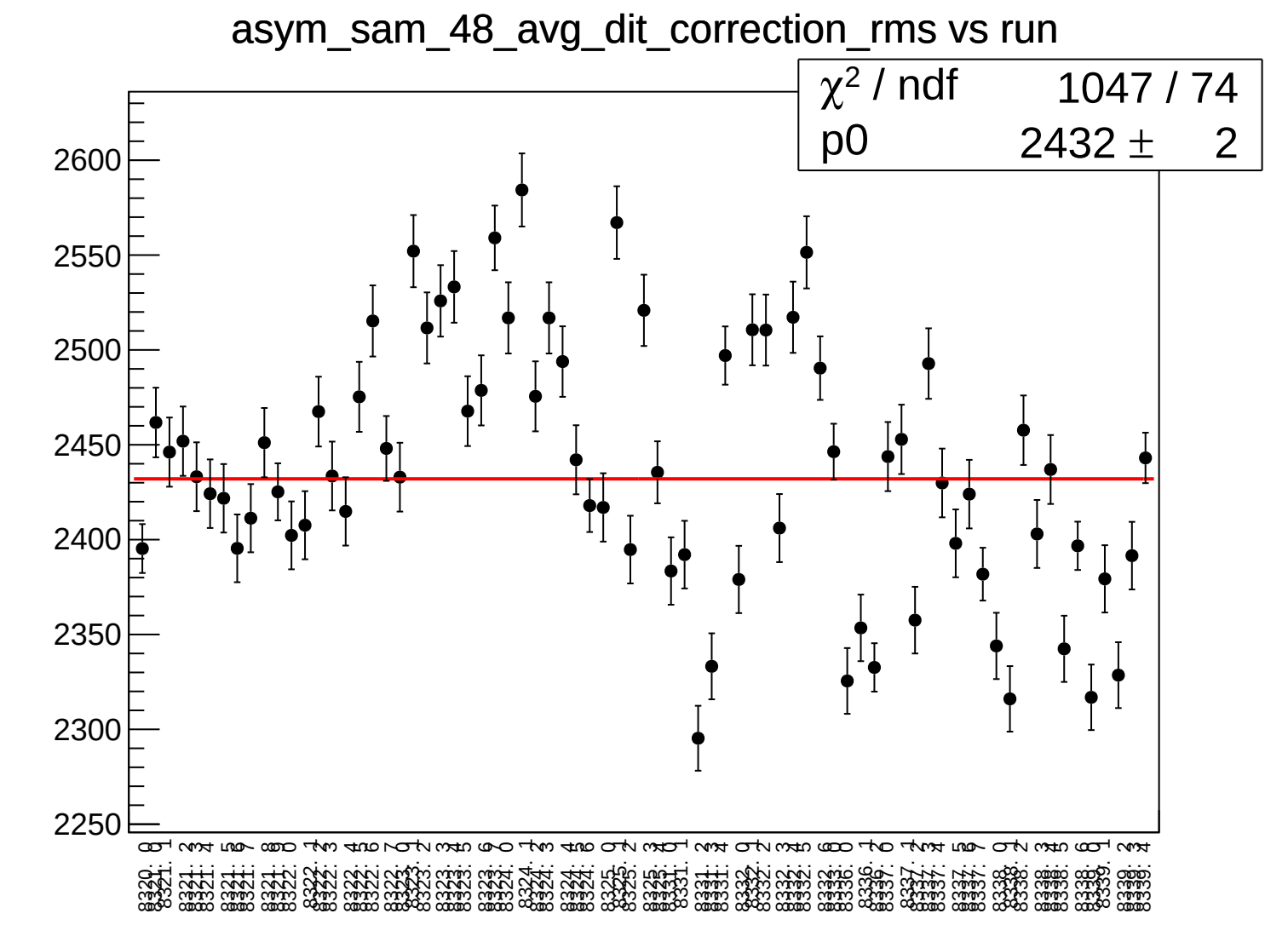

dit_asym_sam_48_avg_mean vs run
χ² / ndf 85.91 / 74
p0 −148.7 ± 208.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean −204.9
Std Dev 0
2
1
0
−1
−2

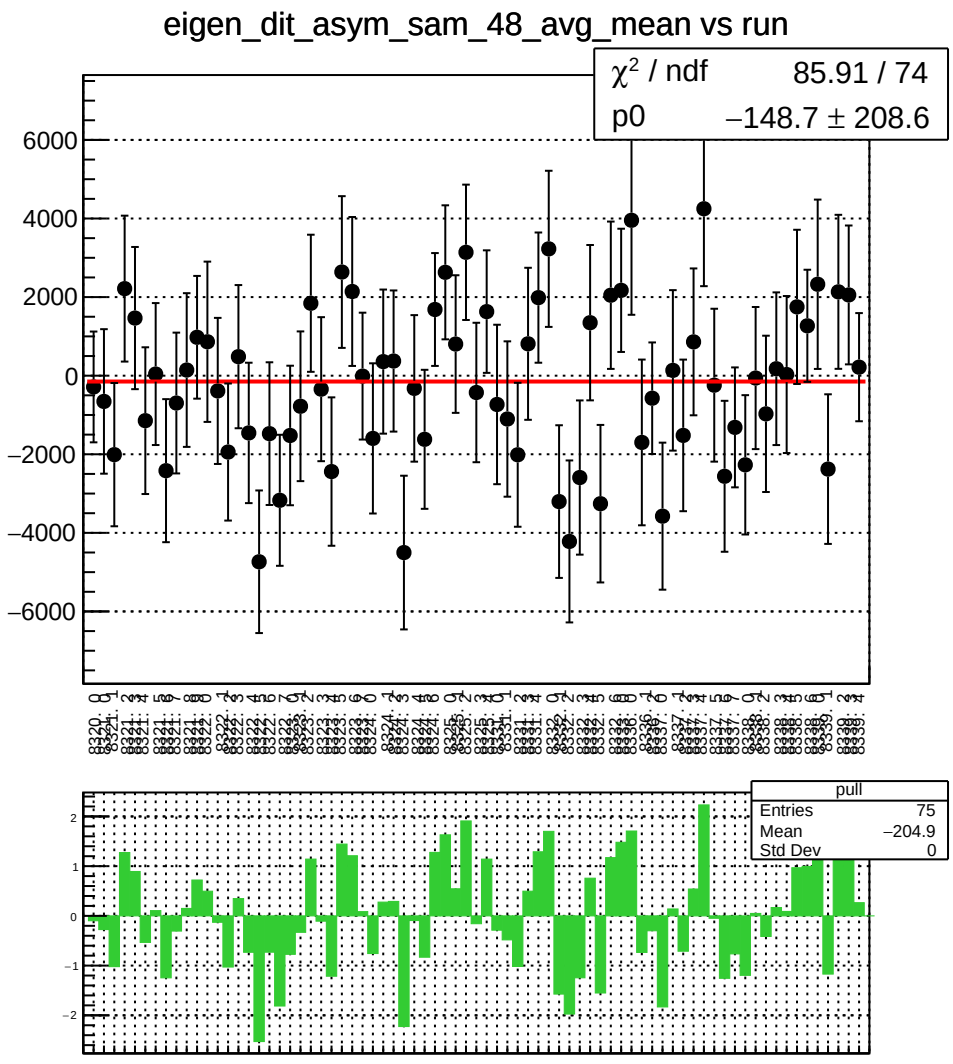

pull1D
Entries 75
Mean −0.01264
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

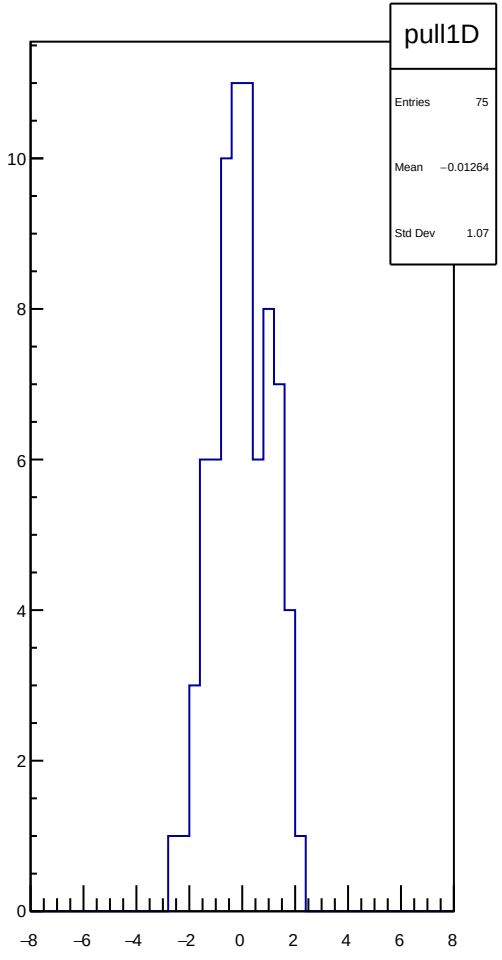

dit_asym_sam_48_avg_rms vs run
χ² / ndf 4629 / 74
p0 179.1 ± 0.1475
230
220
210
200
190
180
170
160

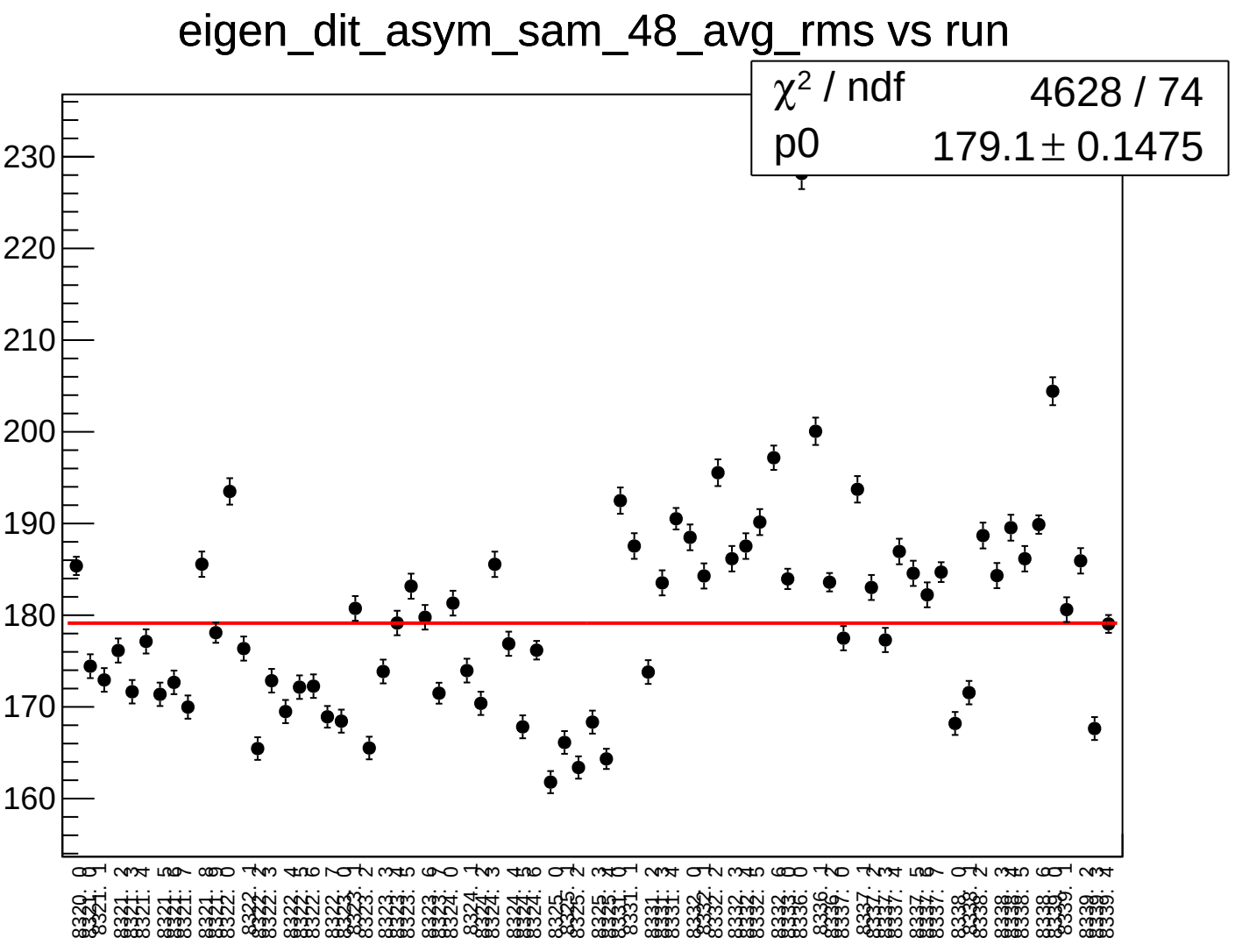

asym_sam_48_avg_dit_correction_mean vs run
×10^3
χ² / ndf 86.42 / 74
p0 −1.108e+04 ± 2828
pull
Entries 75
Mean 535.9
Std Dev 0

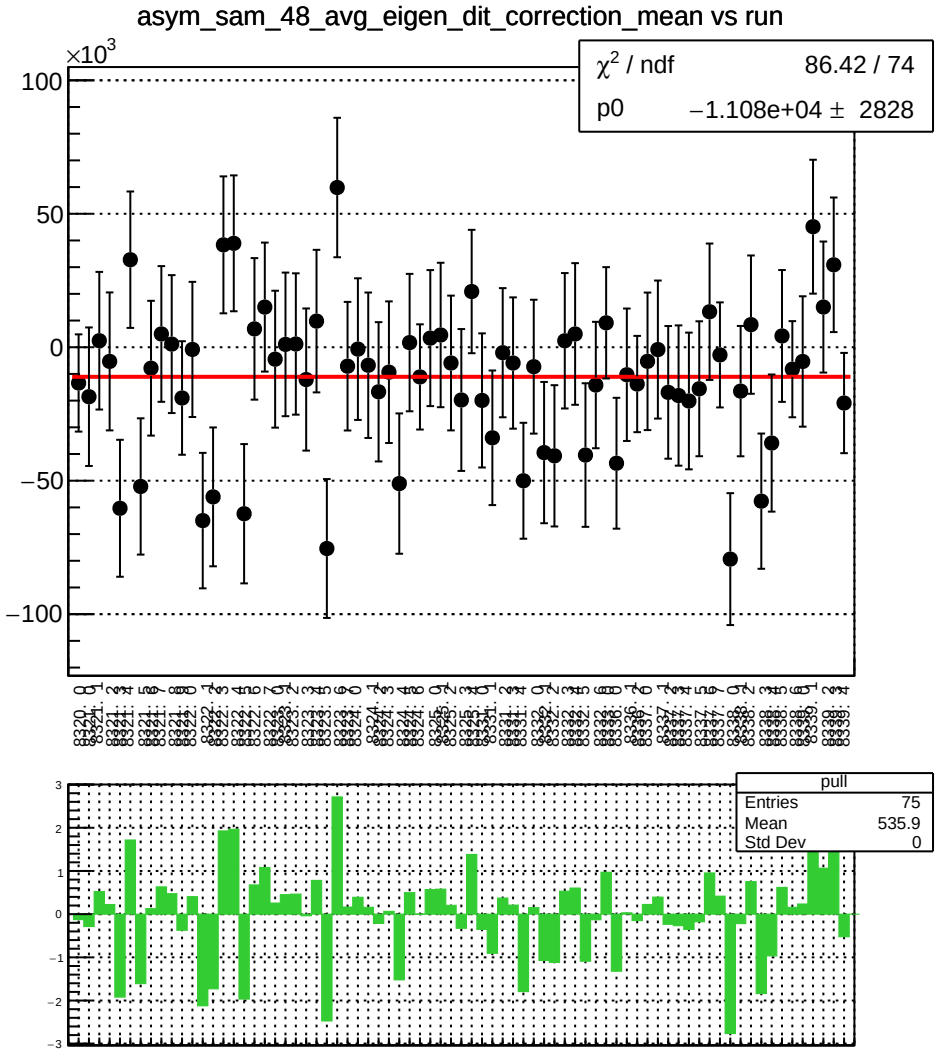

pull1D
Entries 75
Mean 0.0006376
Std Dev 1.073

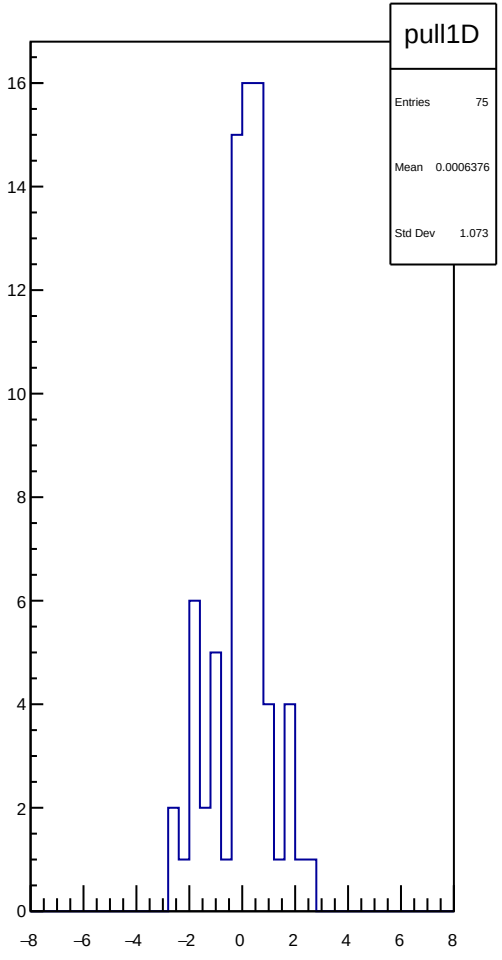

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1047 / 74
p0 2432 ± 2
2600
2550
2500
2450
2400
2350
2300
2250

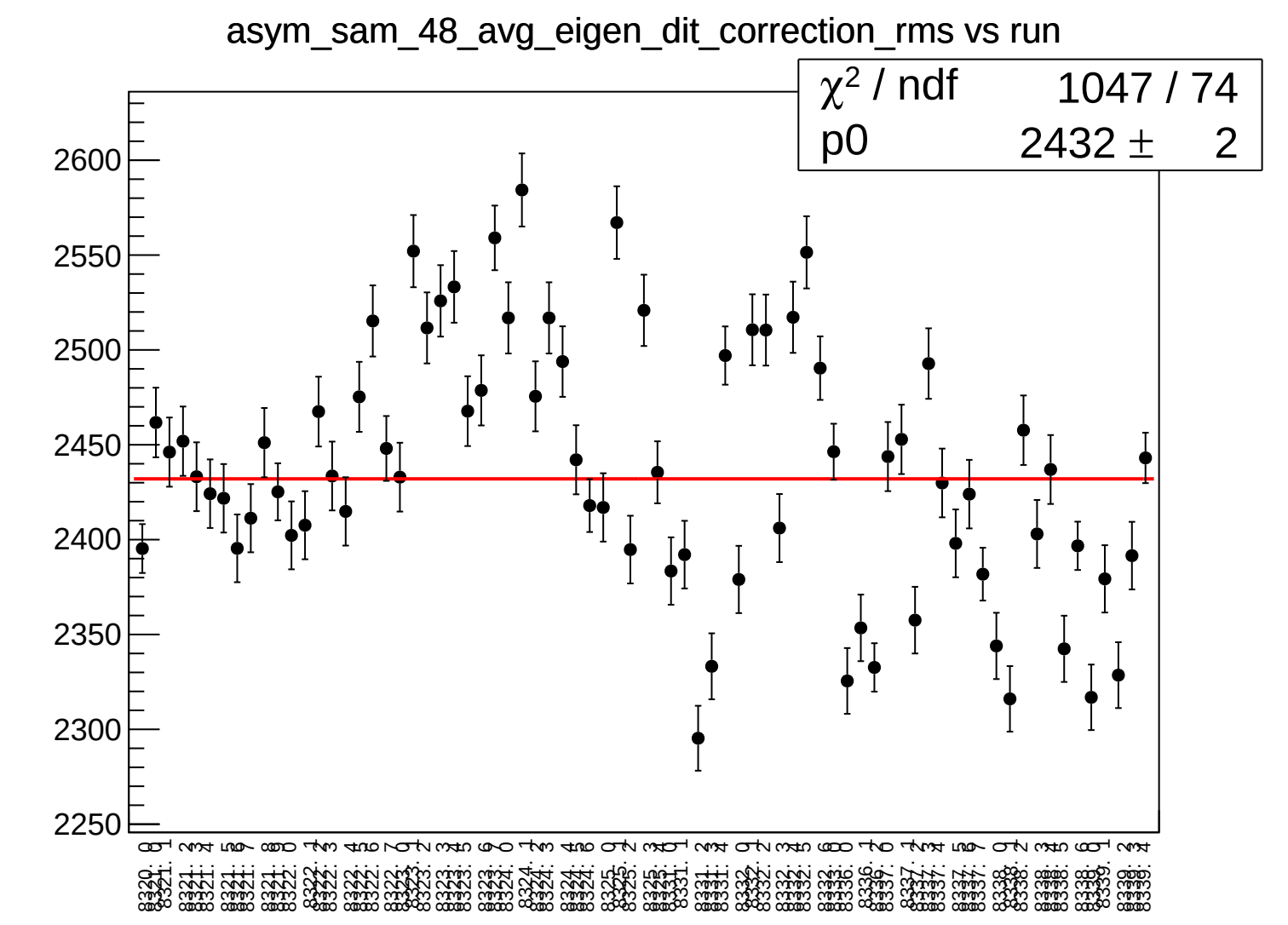

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 85.91 / 74
p0 −148.7 ± 208.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean −204.9
Std Dev 0
2
1
0
−1
−2

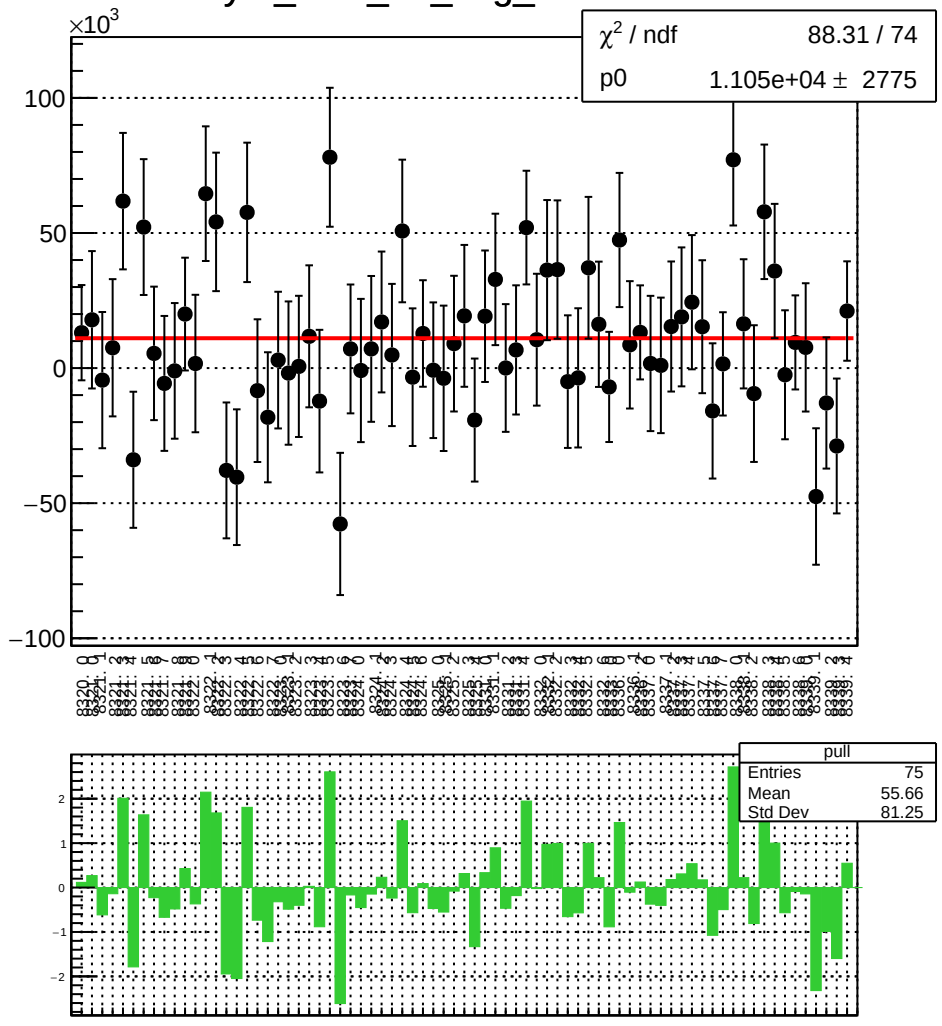

pull1D
Entries 75
Mean −0.01264
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

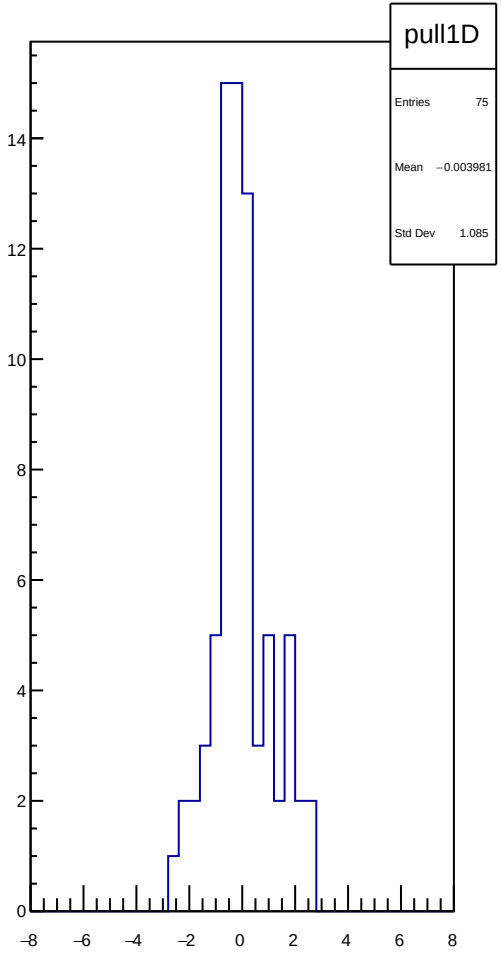

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 4628 / 74
p0 179.1 ± 0.1475
230
220
210
200
190
180
170
160

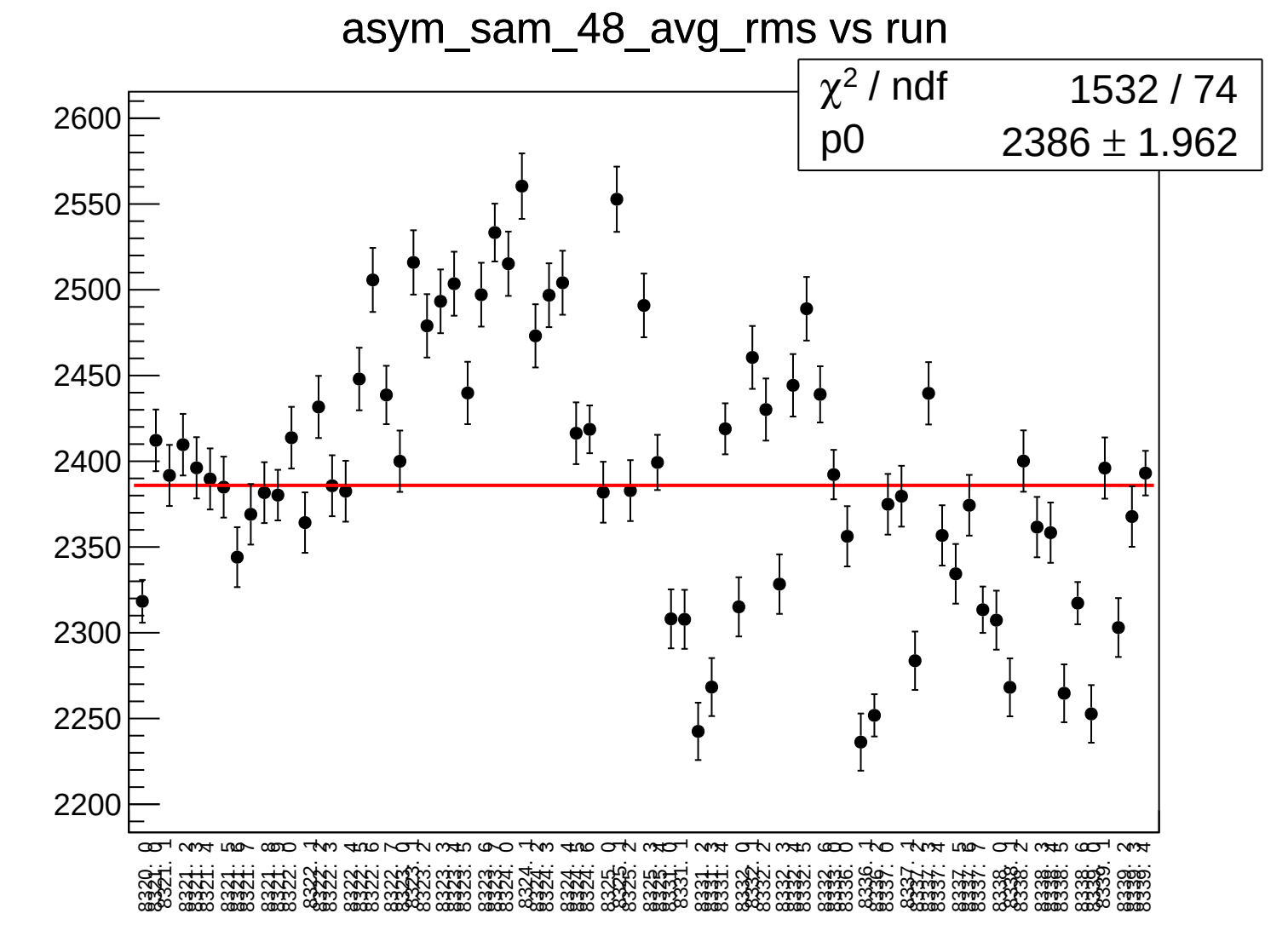

asym_sam_48_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 86.42 / 74
p0 −1.108e+04 ± 2828
pull
Entries 75
Mean 535.9
Std Dev 0

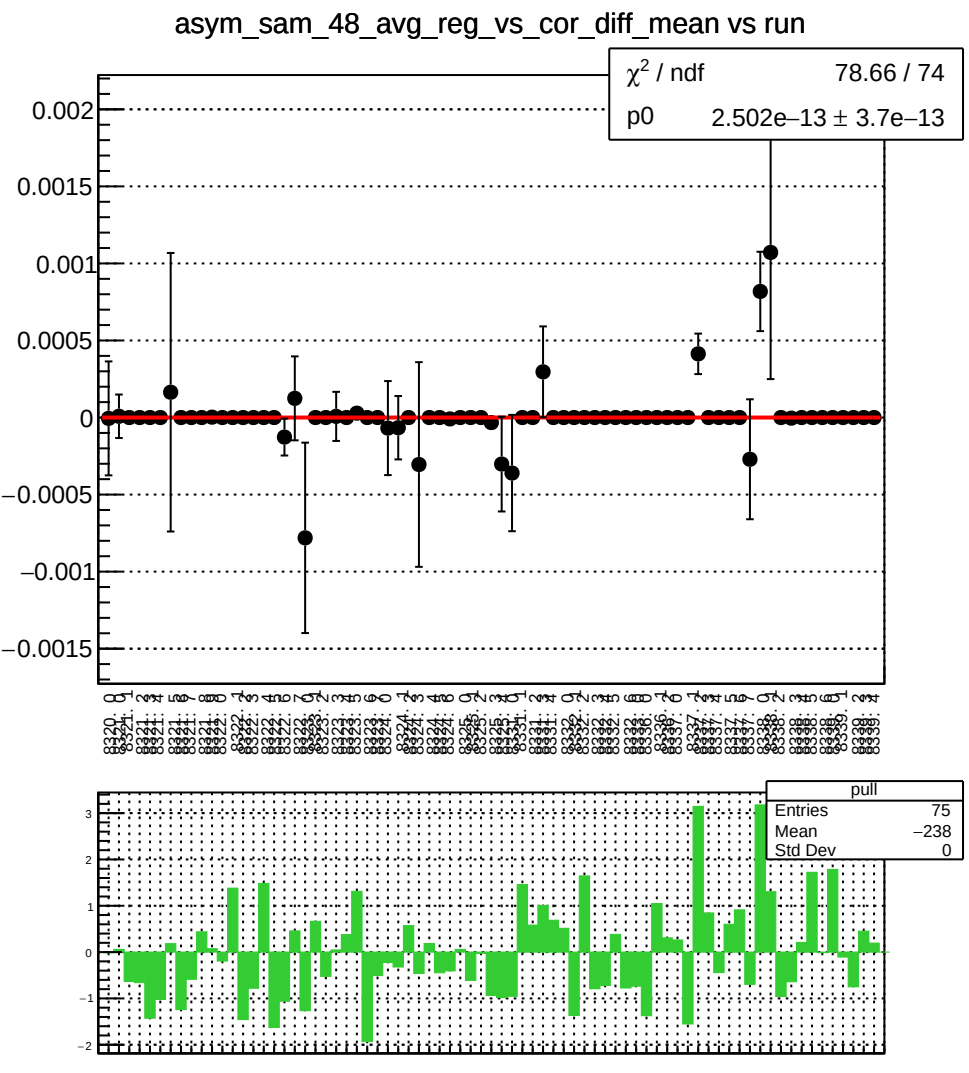

pull1D
Entries 75
Mean 0.0006376
Std Dev 1.073

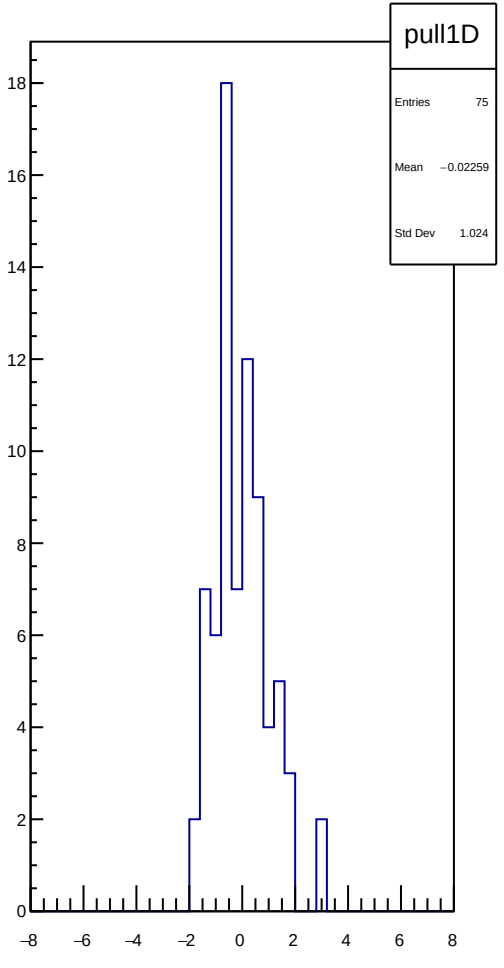

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1047 / 74
p0 2432 ± 2
2600
2550
2500
2450
2400
2350
2300
2250

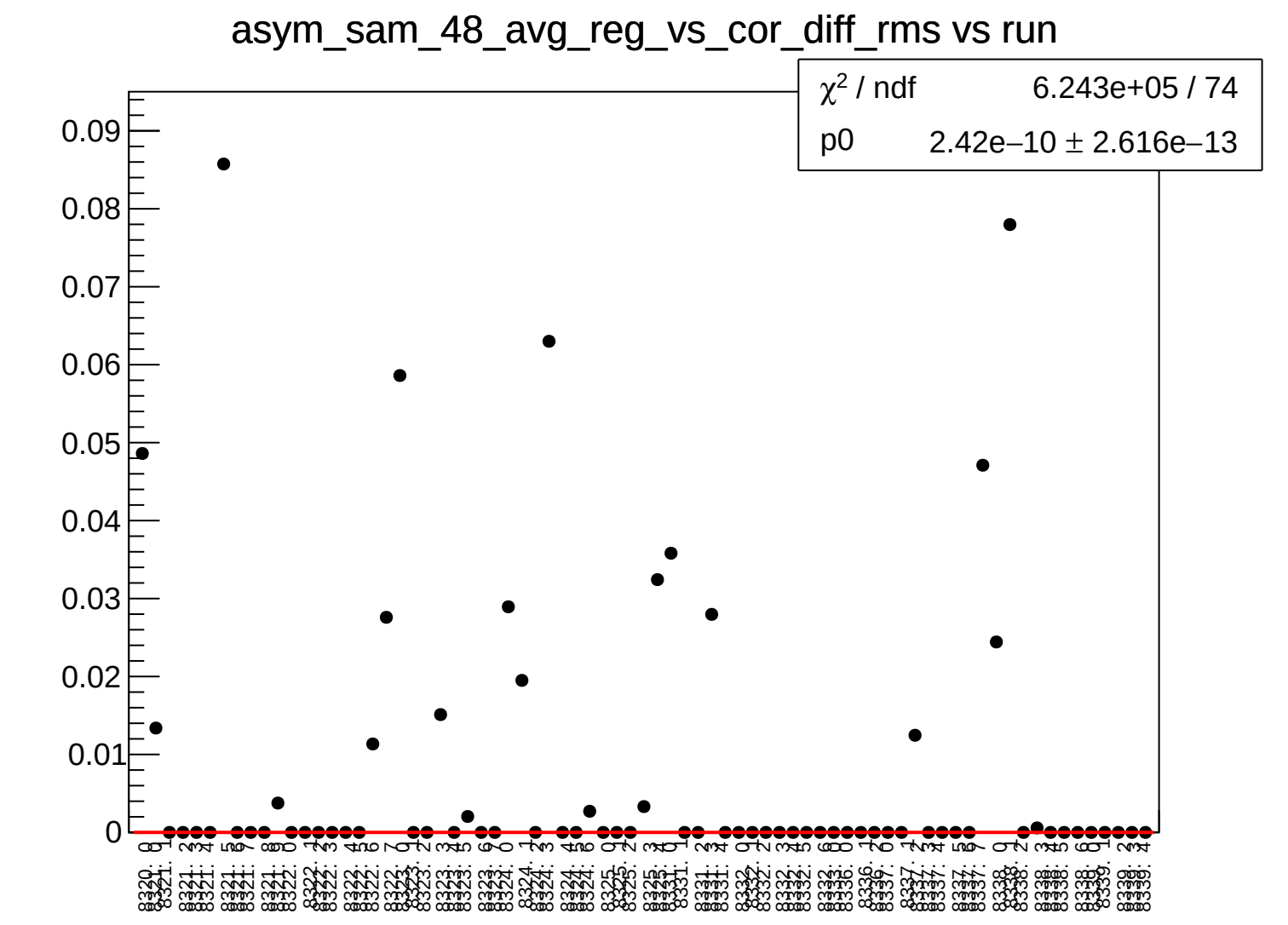

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 88.31 / 74
p0 1.105e+04 ± 2775
100
50
0
−50
−100
pull
Entries 75
Mean 55.66
Std Dev 81.25
2
1
0
−1
−2

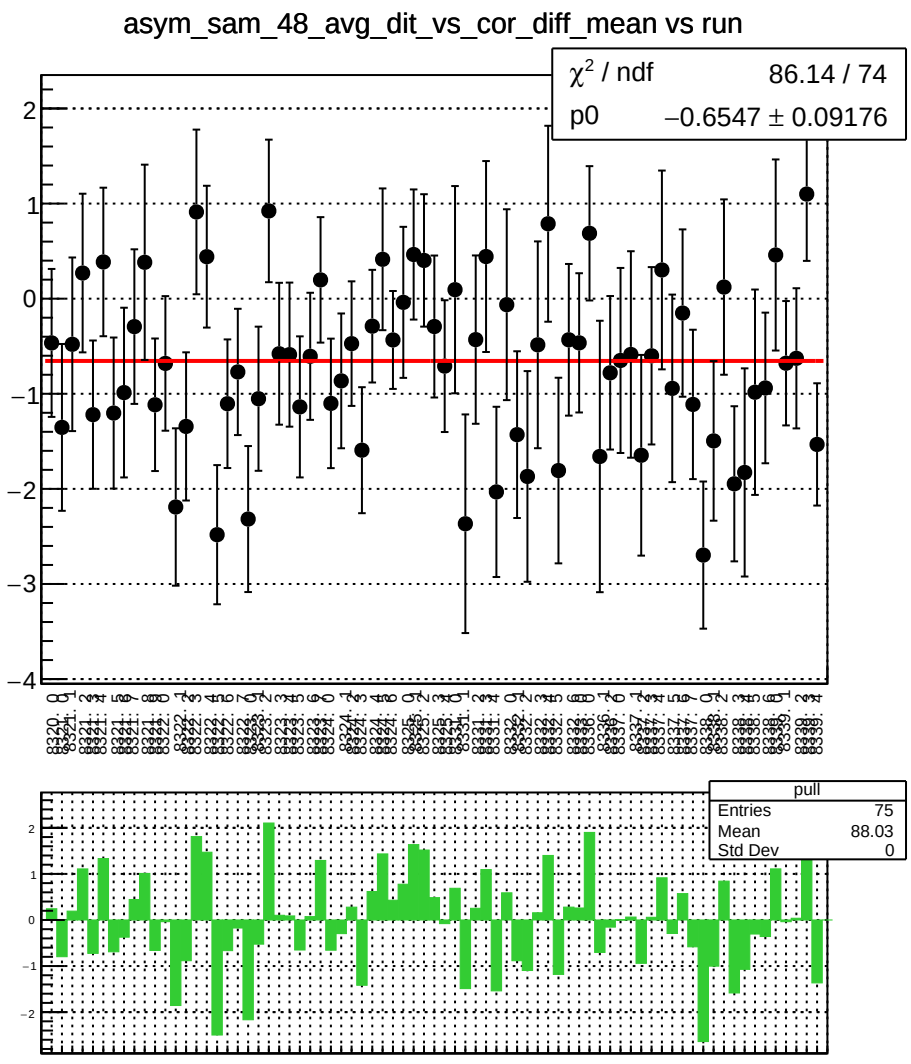

pull1D
Entries 75
Mean −0.003981
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

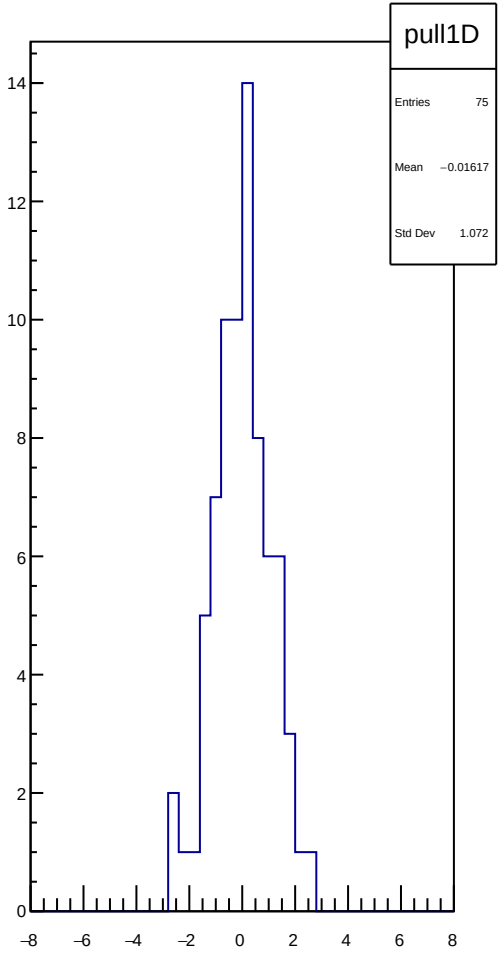

asym_sam_48_avg_rms vs run
χ² / ndf 1532 / 74
p0 2386 ± 1.962
2600
2550
2500
2450
2400
2350
2300
2250
2200

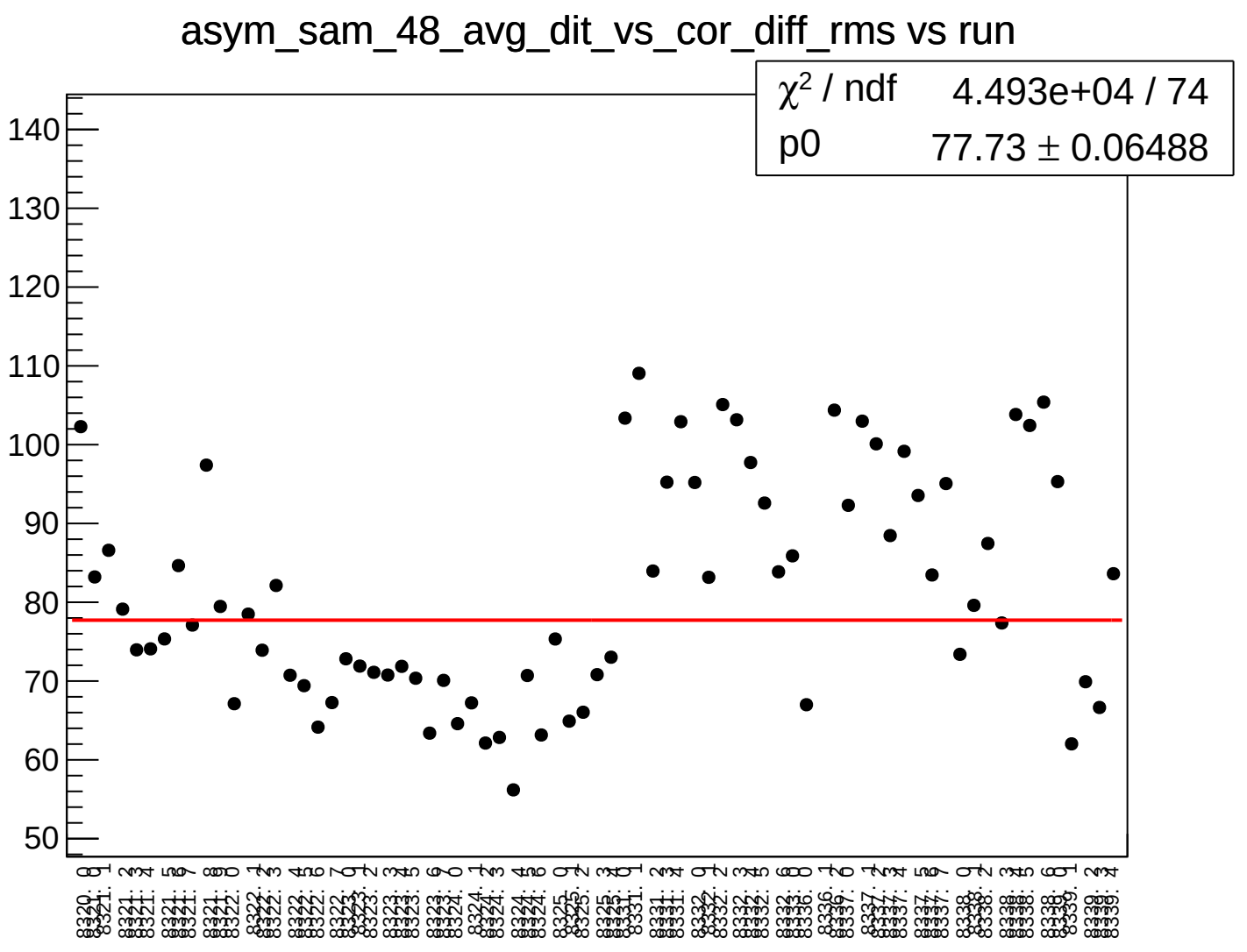

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 78.66 / 74
p0 2.502e−13 ± 3.7e−13
pull
Entries 75
Mean −238
Std Dev 0

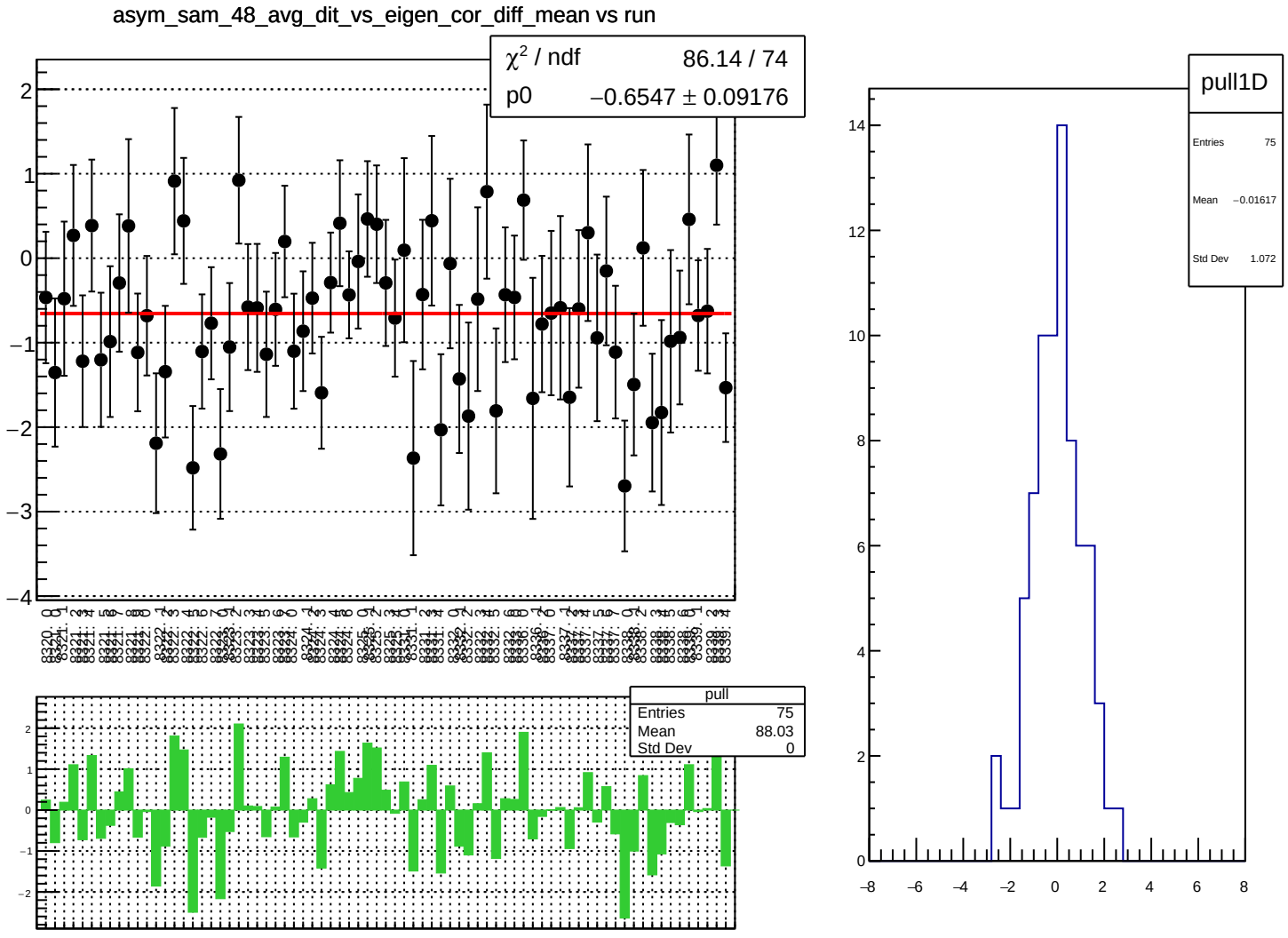

pull1D
Entries 75
Mean −0.02259
Std Dev 1.024

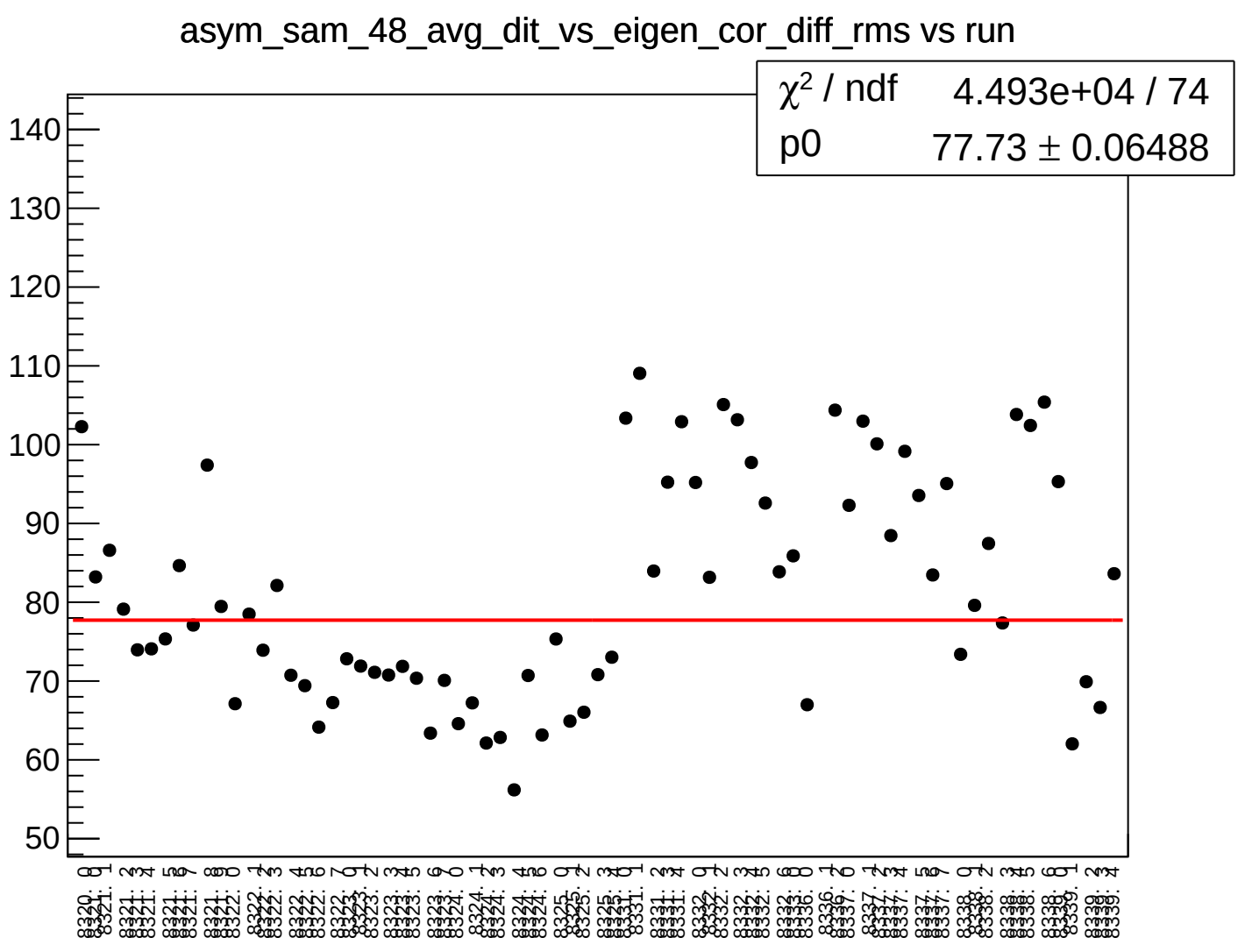

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.243e+05 / 74
p0 2.42e−10 ± 2.616e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

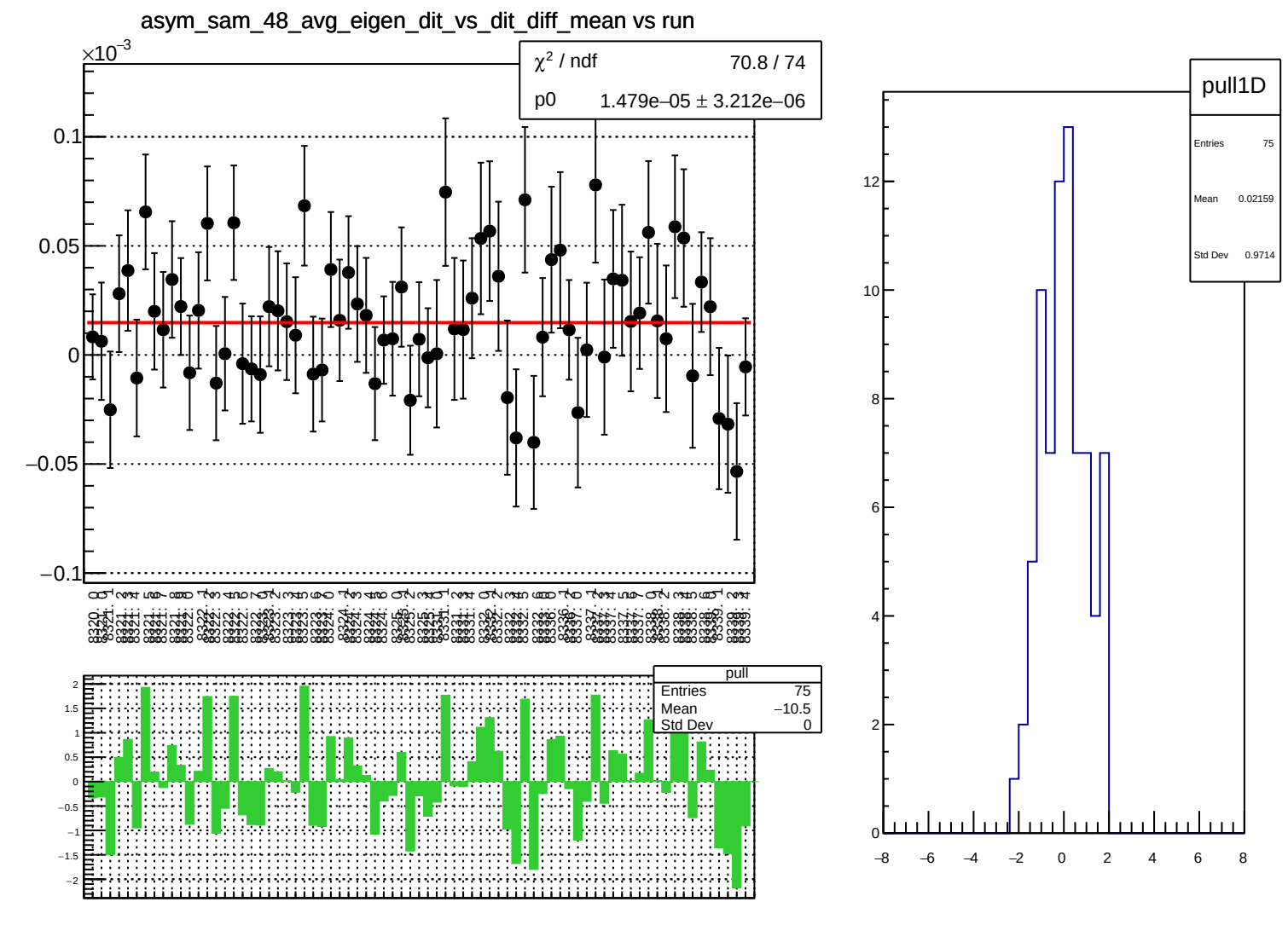

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 86.14 / 74
p0 −0.6547 ± 0.09176
pull
Entries 75
Mean 88.03
Std Dev 0

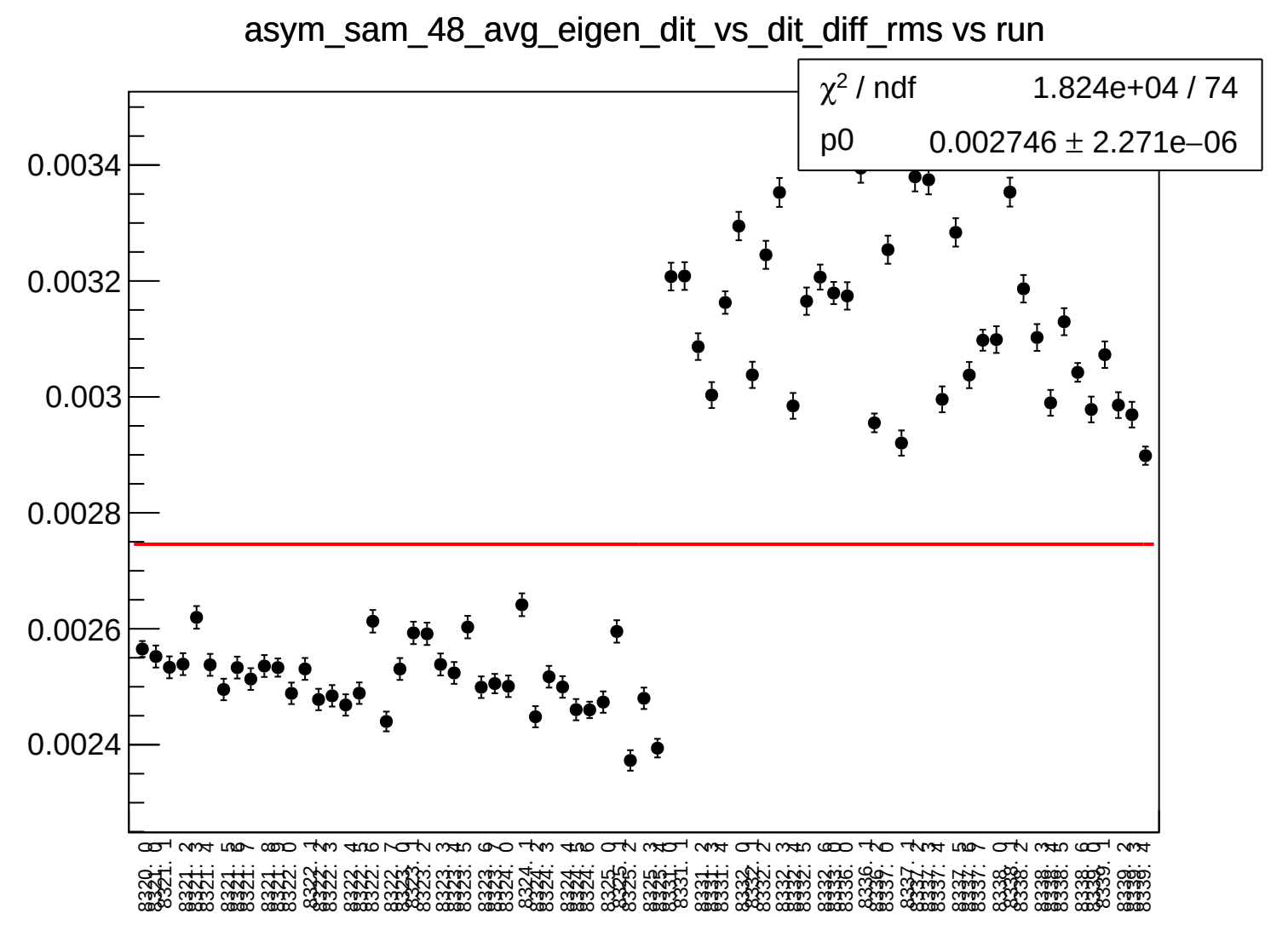

pull1D
Entries 75
Mean −0.01617
Std Dev 1.072

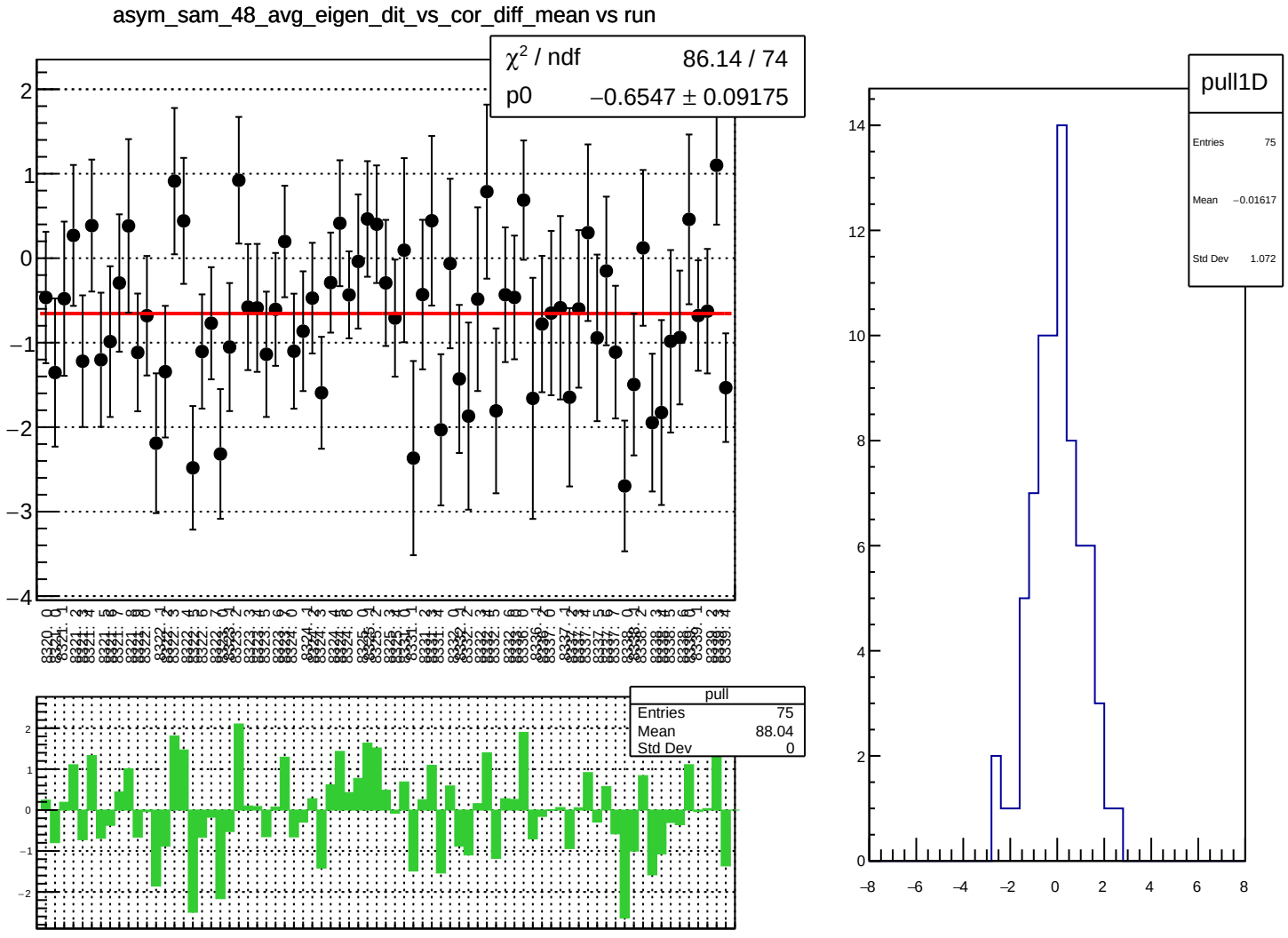

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.493e+04 / 74
p0 77.73 ± 0.06488
140
130
120
110
100
90
80
70
60
50

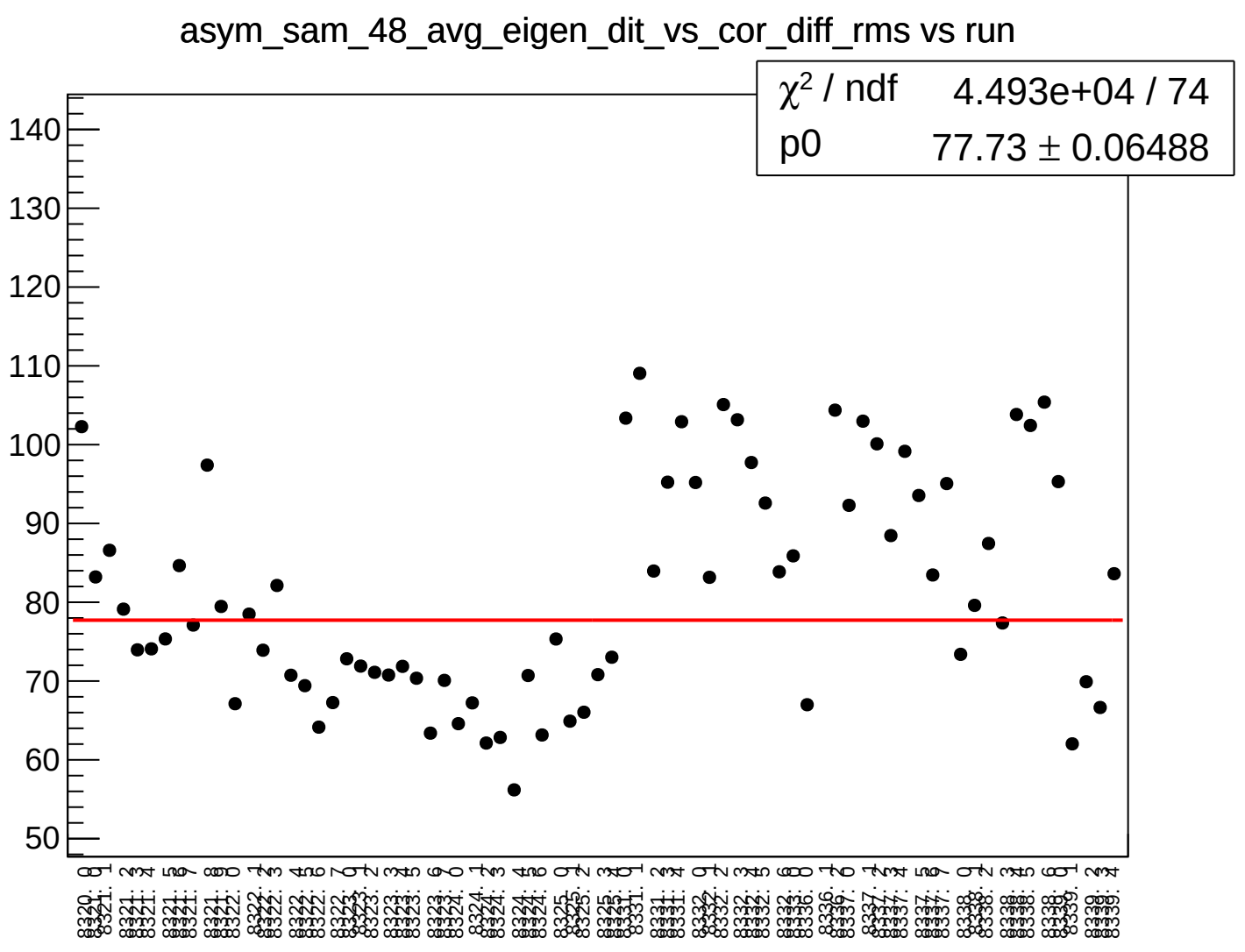

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.14 / 74
p0 −0.6547 ± 0.09176
pull
Entries 75
Mean 88.03
Std Dev 0
pull1D
Entries 75
Mean −0.01617
Std Dev 1.072

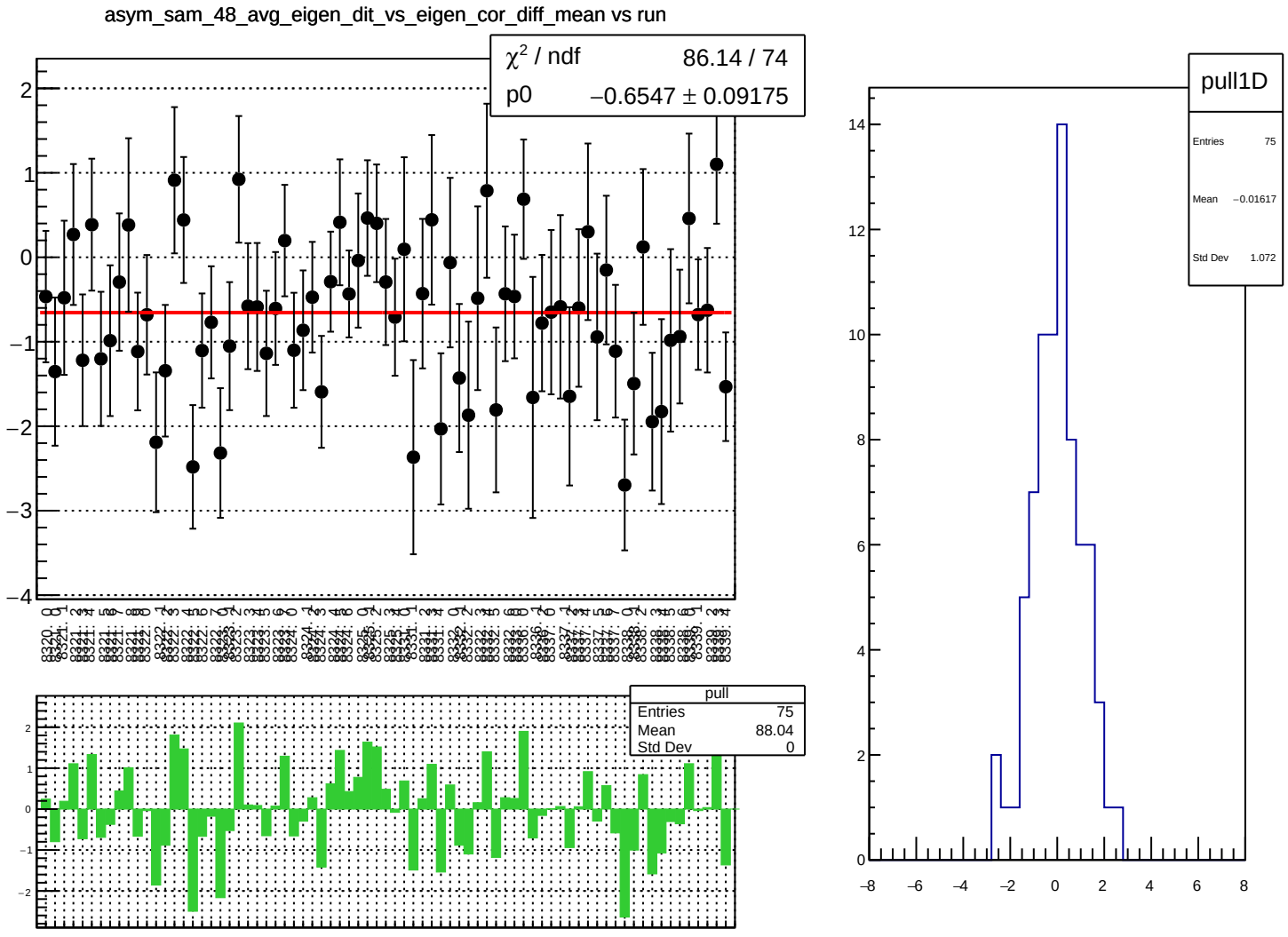

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.493e+04 / 74
p0 77.73 ± 0.06488
140
130
120
110
100
90
80
70
60
50

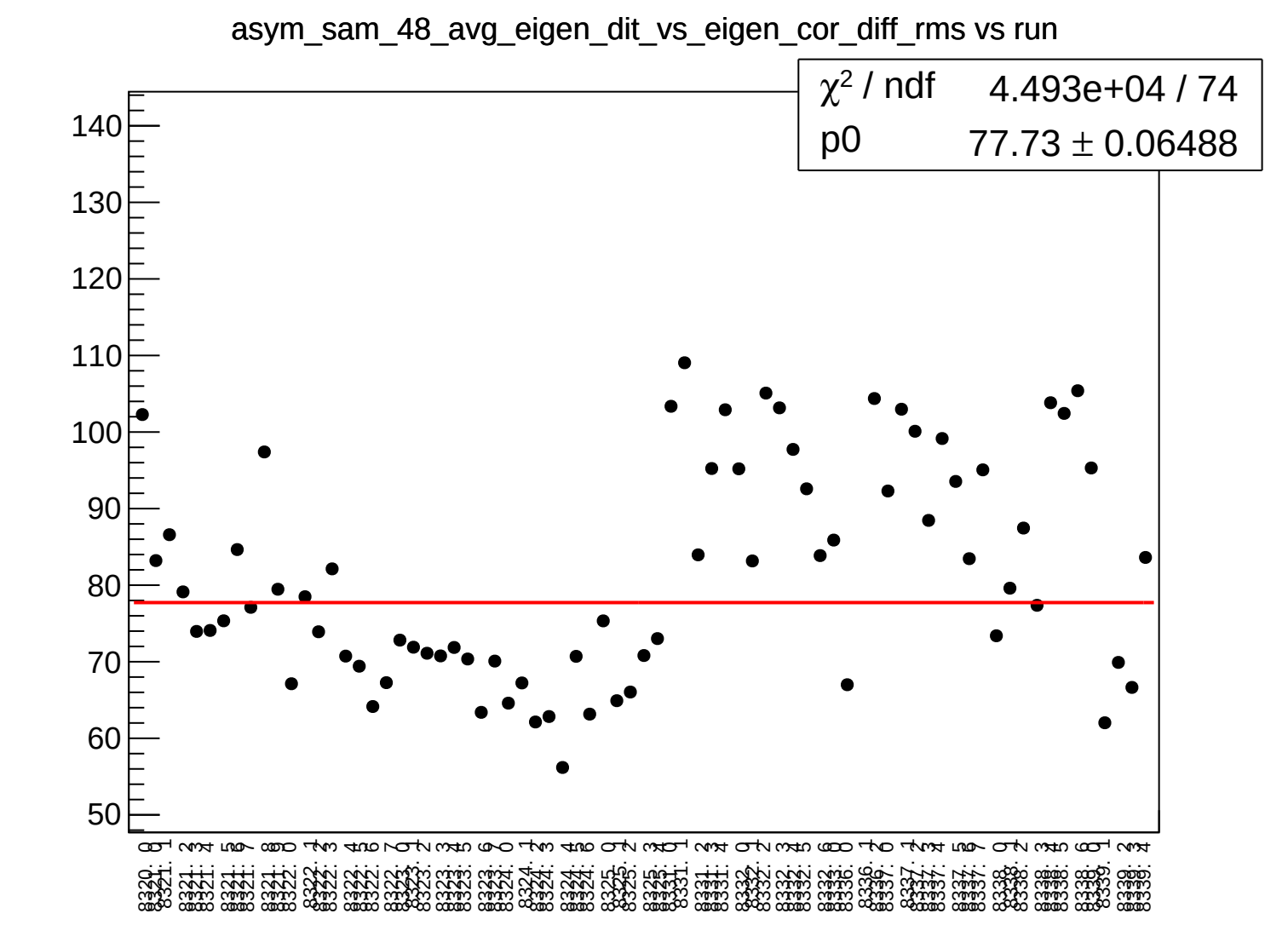

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 70.8 / 74
p0 1.479e−05 ± 3.212e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 75
Mean −10.5
Std Dev 0
pull1D
Entries 75
Mean 0.02159
Std Dev 0.9714

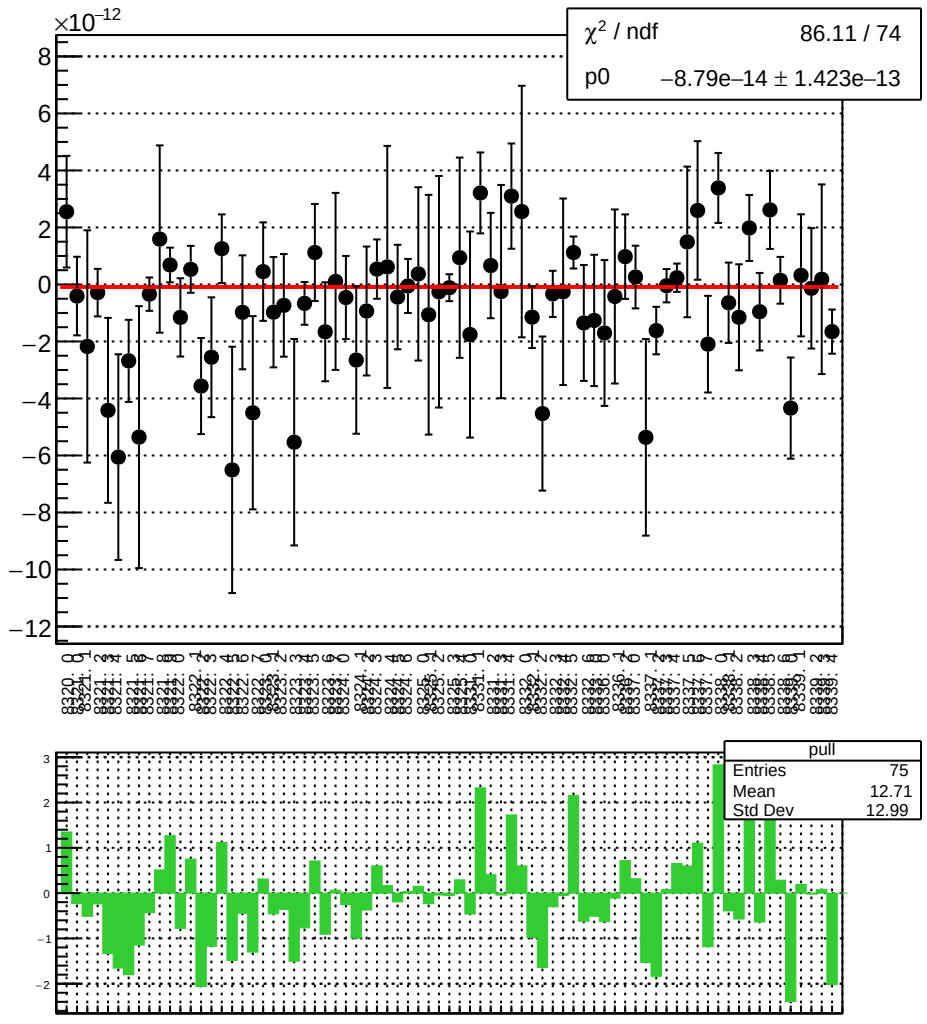

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.824e+04 / 74
p0 0.002746 ± 2.271e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024

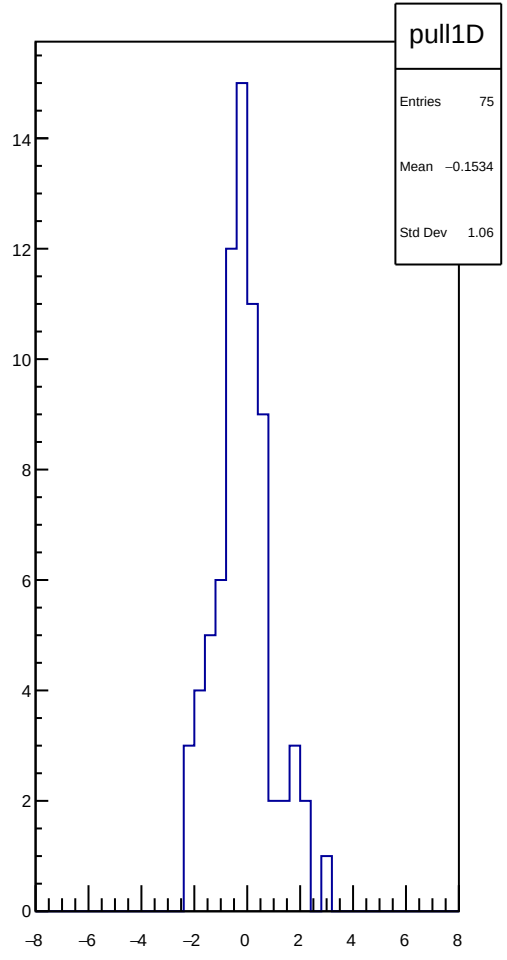

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 86.14 / 74
p0 −0.6547 ± 0.09175
pull
Entries 75
Mean 88.04
Std Dev 0
pull1D
Entries 75
Mean −0.01617
Std Dev 1.072

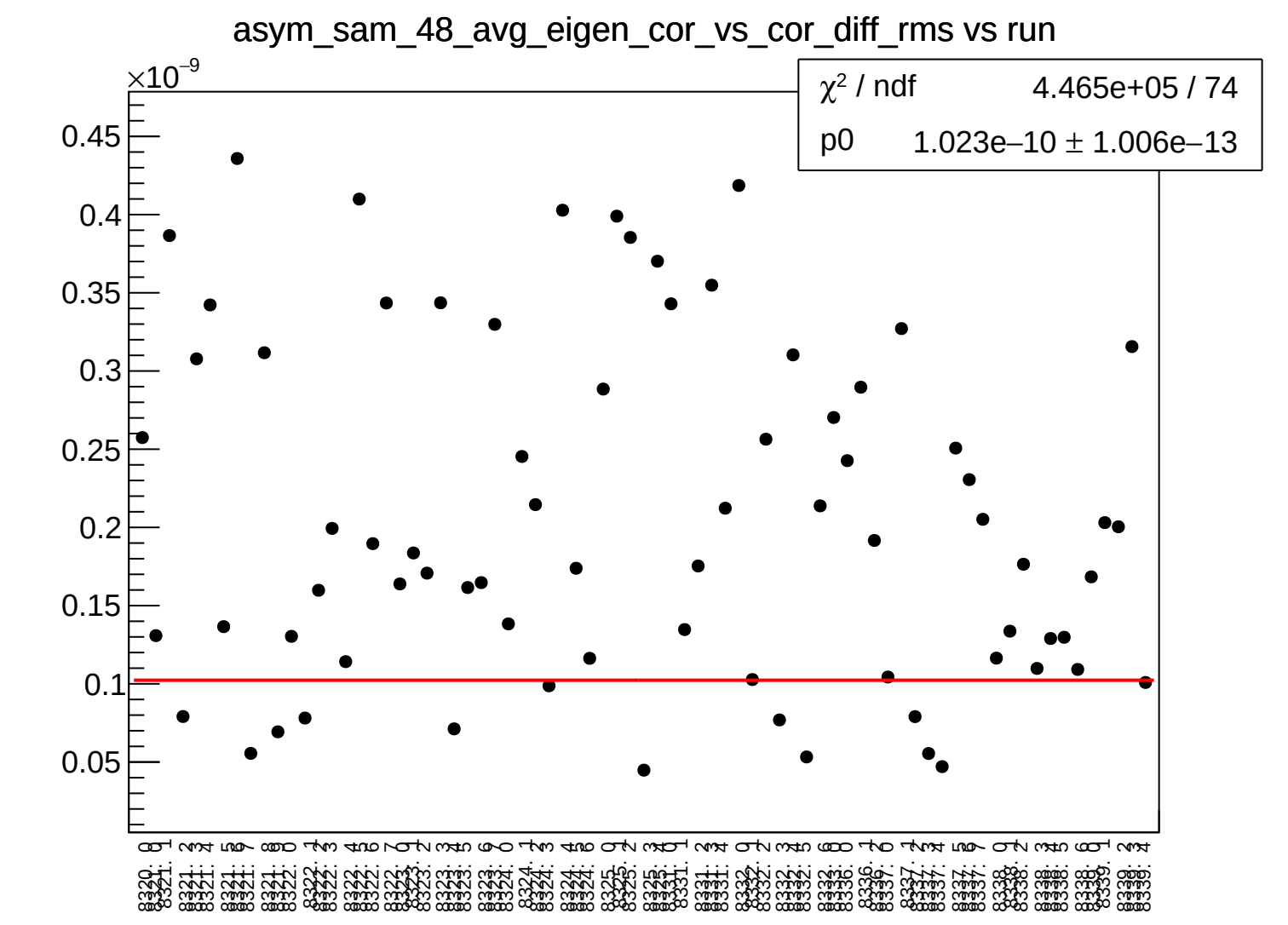

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.493e+04 / 74
p0 77.73 ± 0.06488
140
130
120
110
100
90
80
70
60
50

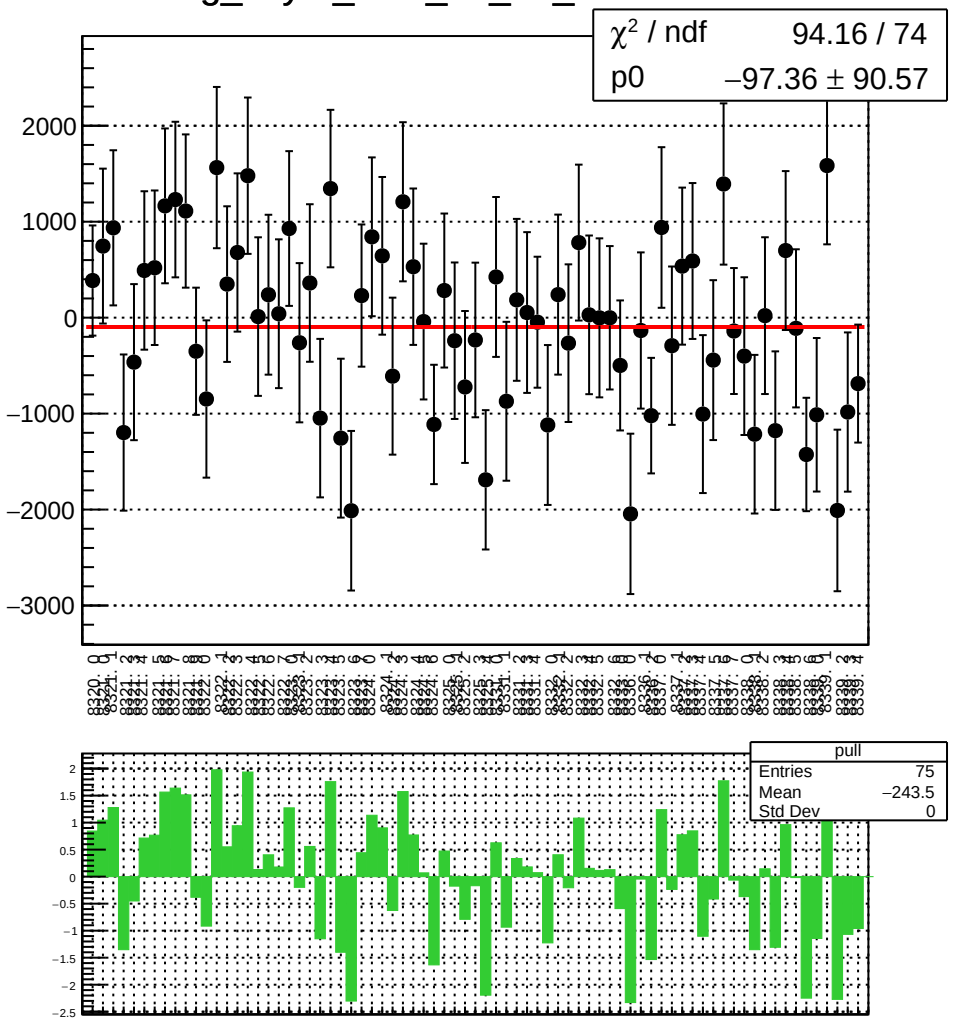

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 86.14 / 74
p0 −0.6547 ± 0.09175
pull
Entries 75
Mean 88.04
Std Dev 0
pull1D
Entries 75
Mean −0.01617
Std Dev 1.072

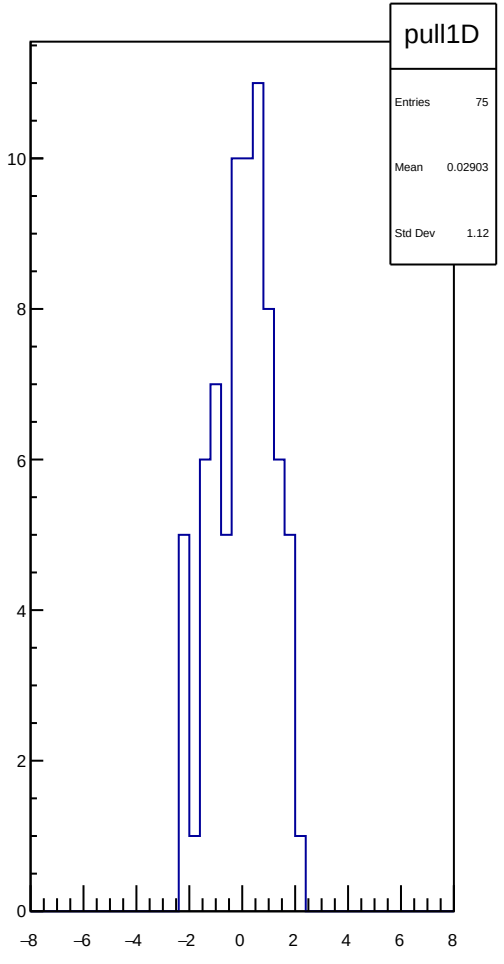

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.493e+04 / 74
p0 77.73 ± 0.06488
140
130
120
110
100
90
80
70
60
50

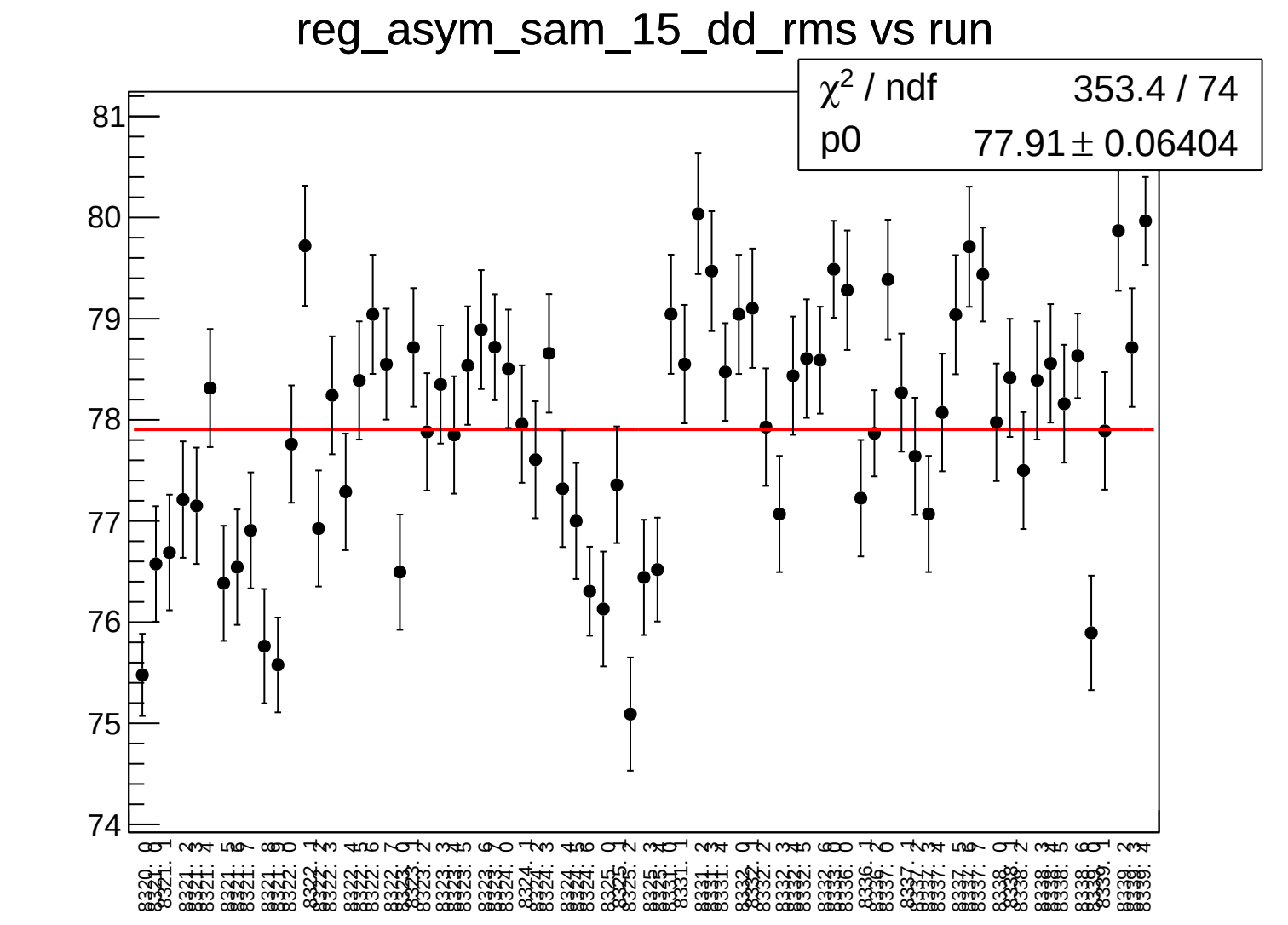

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.11 / 74
p0 −8.79e−14 ± 1.423e−13
pull
Entries 75
Mean 12.71
Std Dev 12.99

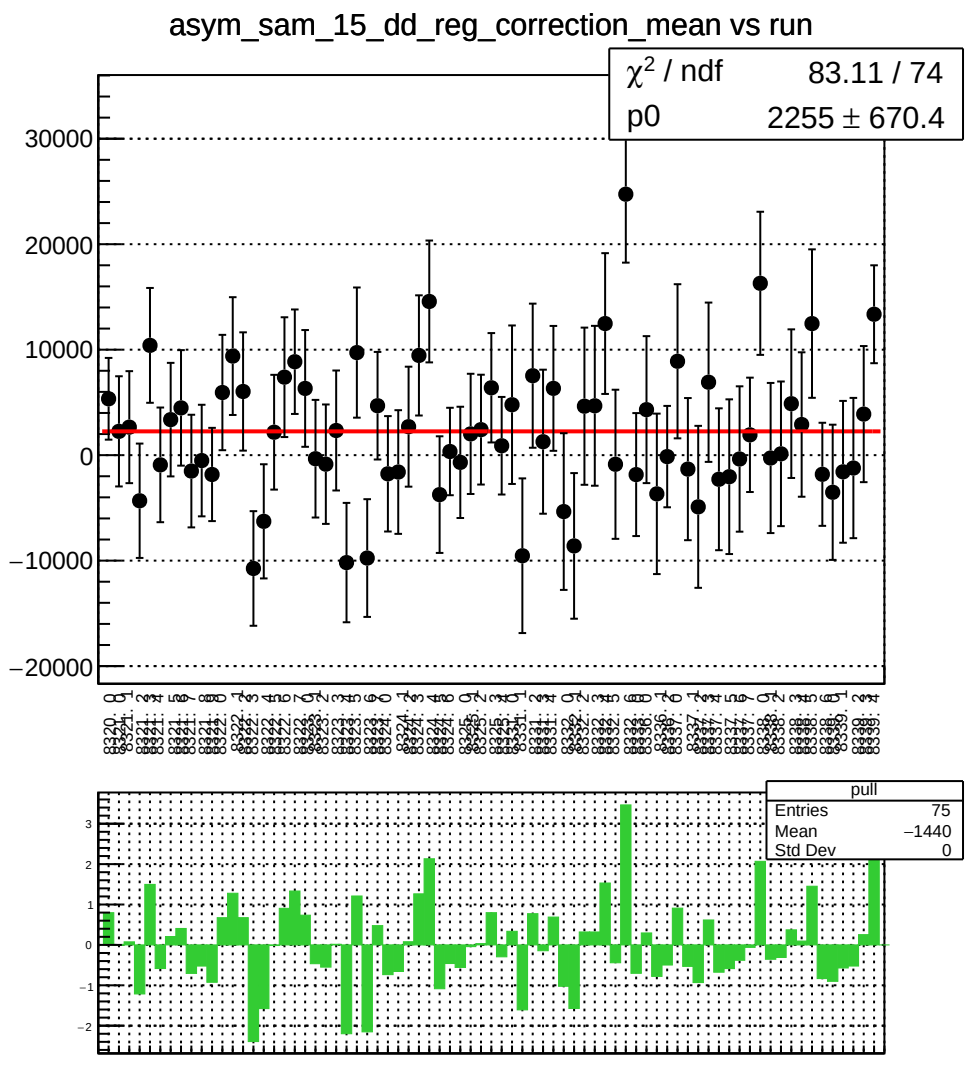

pull1D
Entries 75
Mean −0.1534
Std Dev 1.06

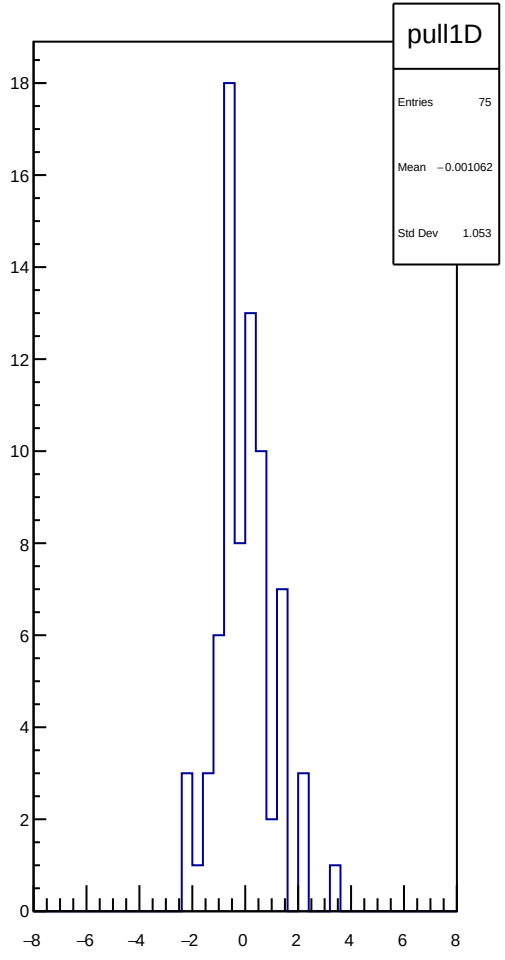

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.465e+05 / 74
p0 1.023e−10 ± 1.006e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

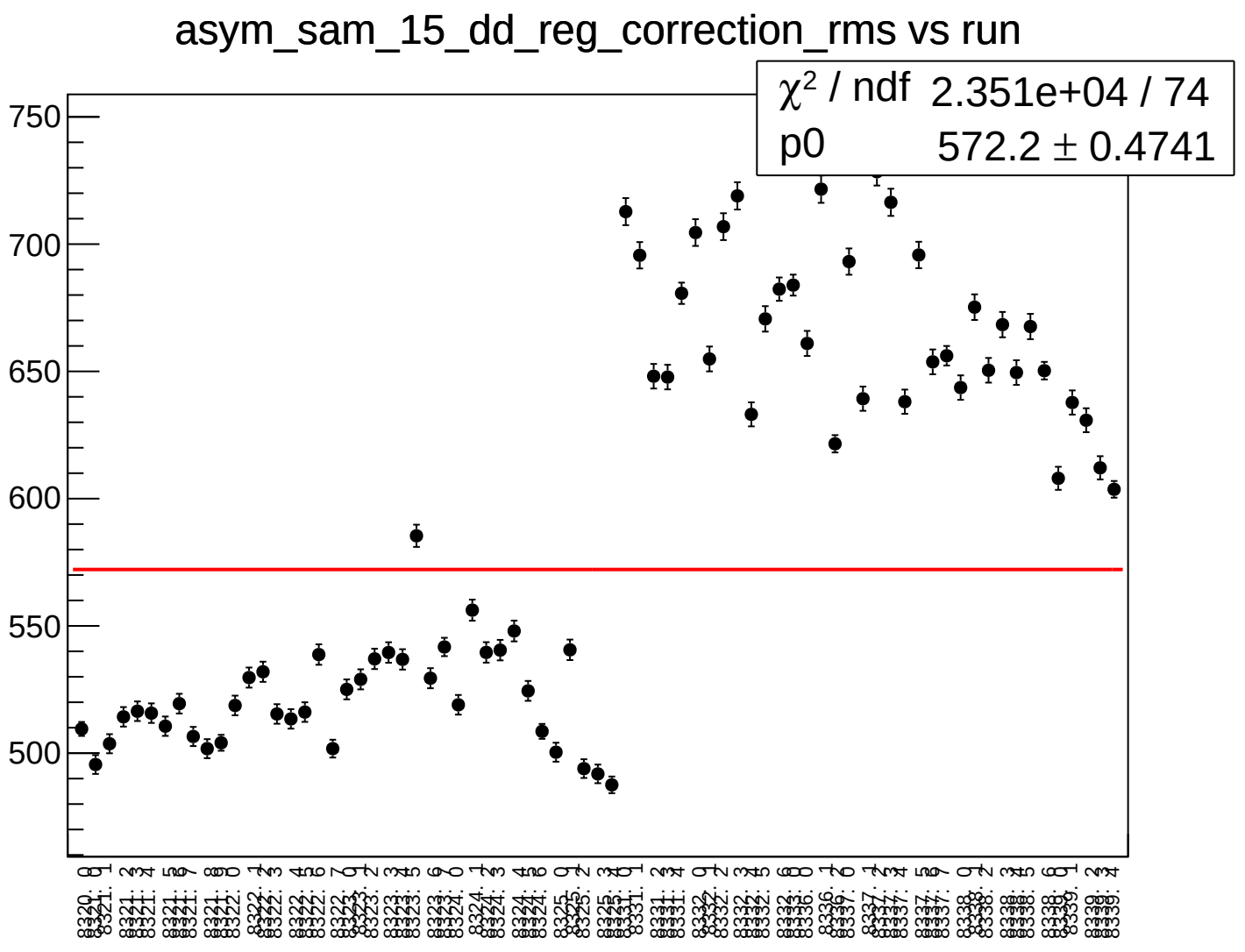

reg_asym_sam_15_dd_mean vs run
χ² / ndf 94.16 / 74
p0 −97.36 ± 90.57
pull
Entries 75
Mean −243.5
Std Dev 0

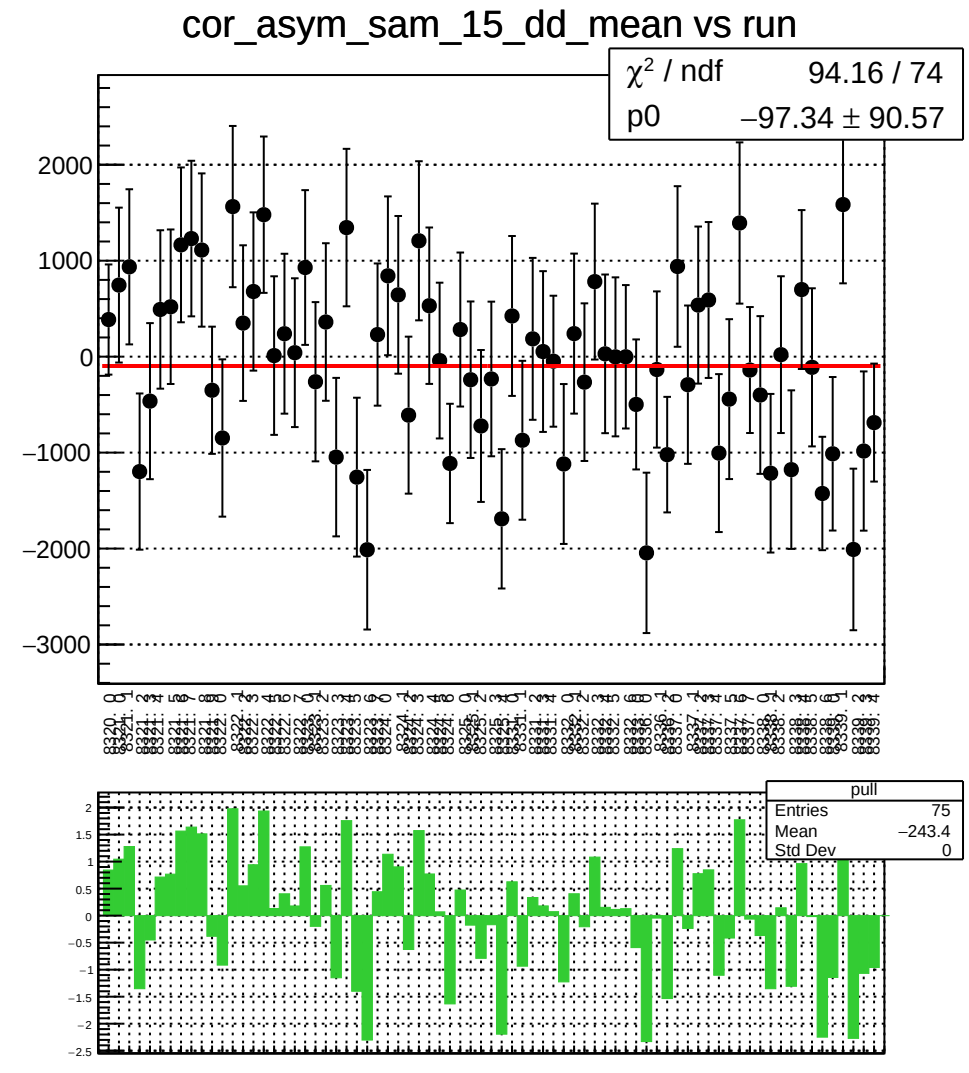

pull1D
Entries 75
Mean 0.02903
Std Dev 1.12

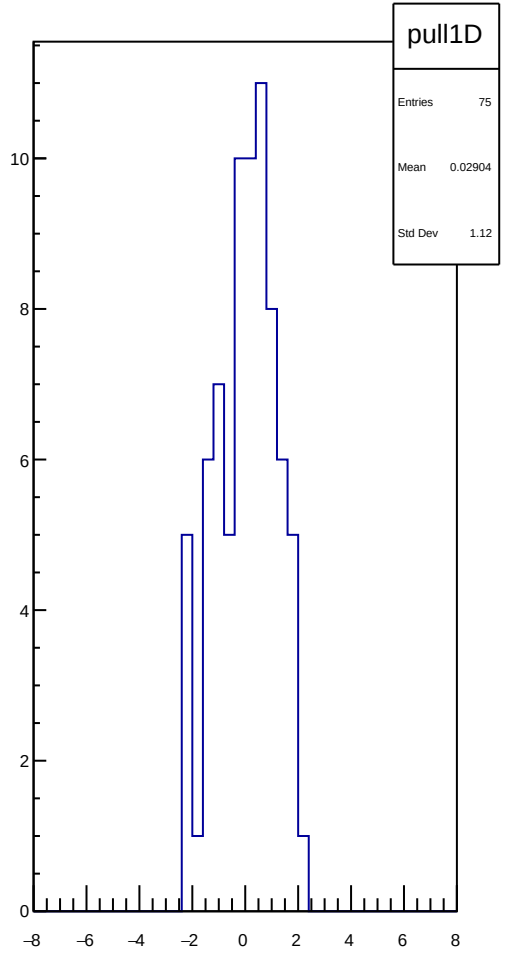

reg_asym_sam_15_dd_rms vs run
χ² / ndf 353.4 / 74
p0 77.91 ± 0.06404
81
80
79
78
77
76
75
74

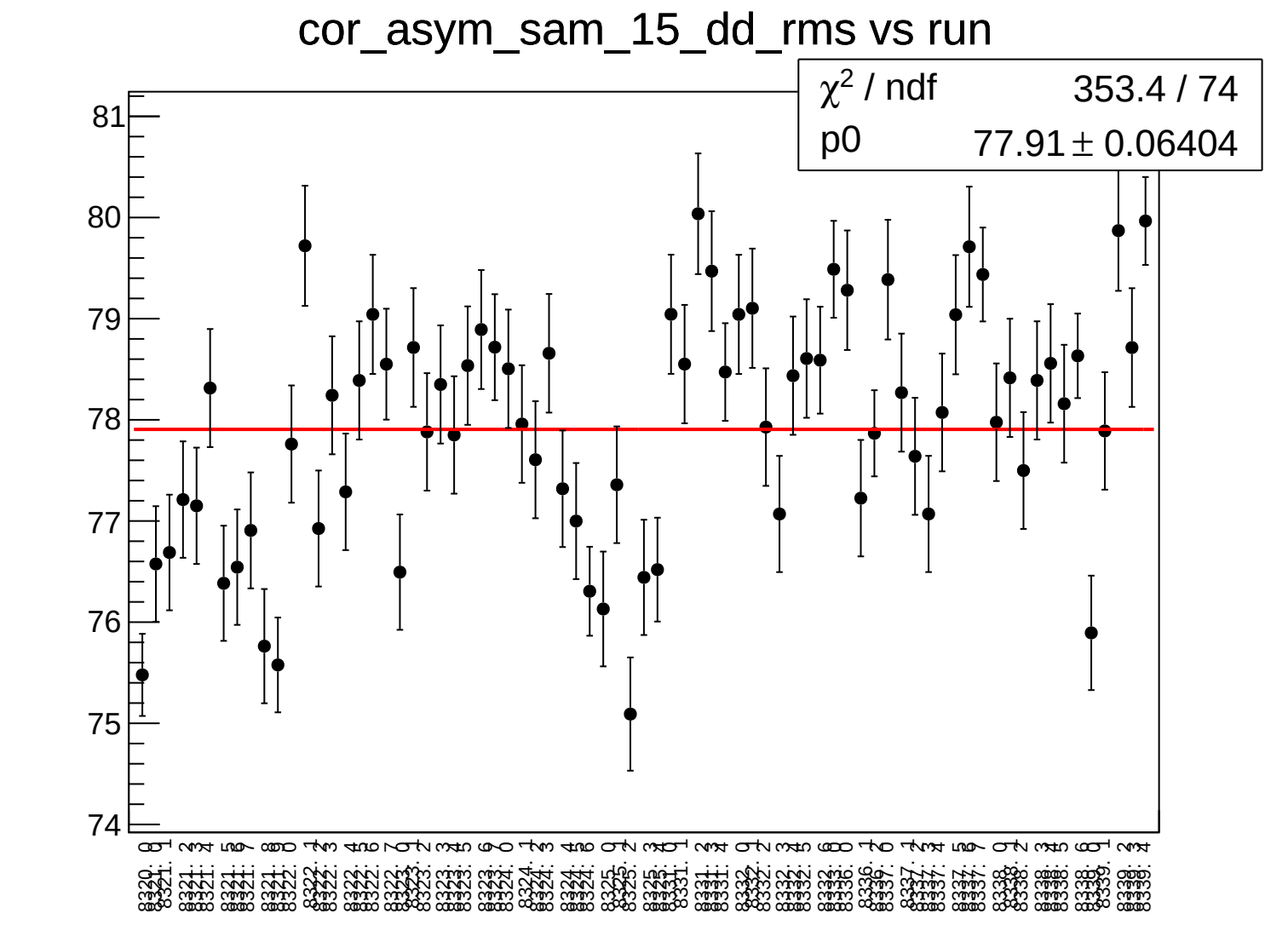

asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 83.11 / 74
p0 2255 ± 670.4
pull
Entries 75
Mean −1440
Std Dev 0

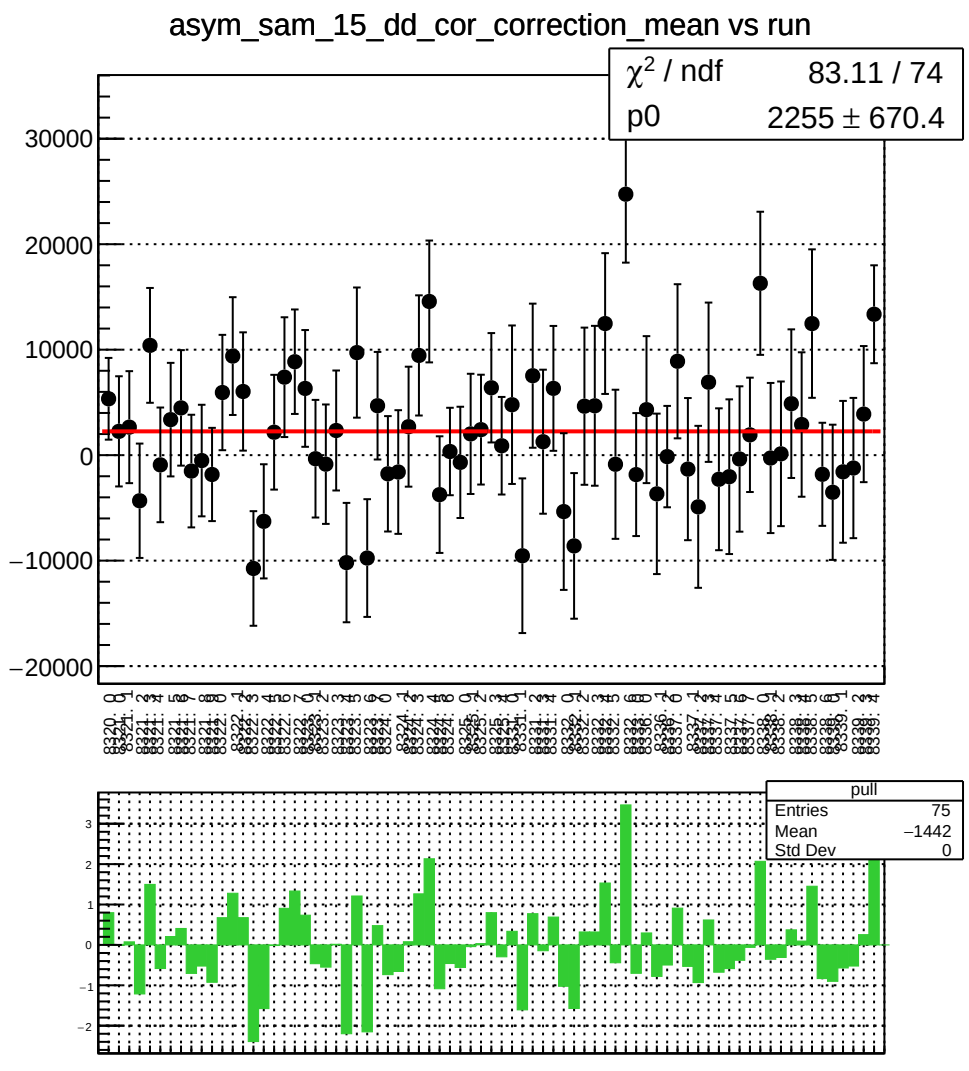

pull1D
Entries 75
Mean −0.001062
Std Dev 1.053

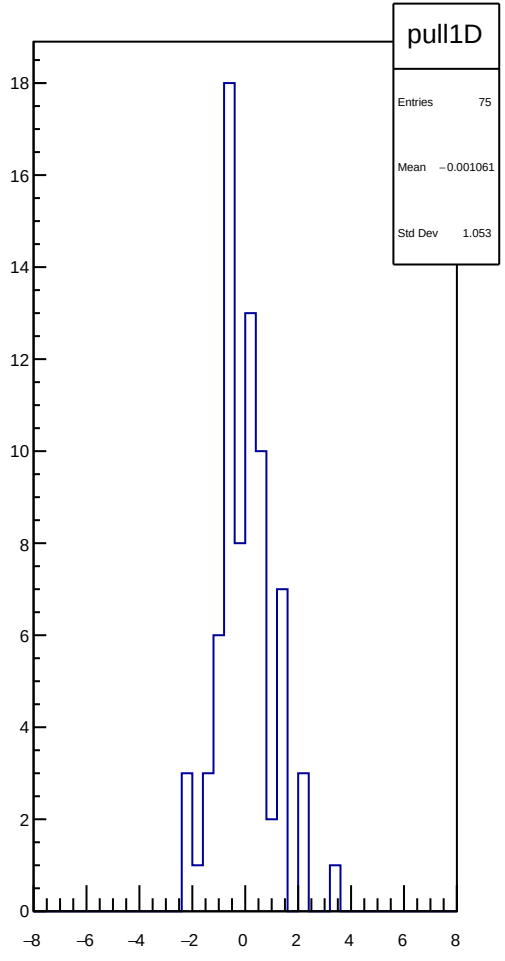

asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 2.351e+04 / 74
p0 572.2 ± 0.4741
750
700
650
600
550
500

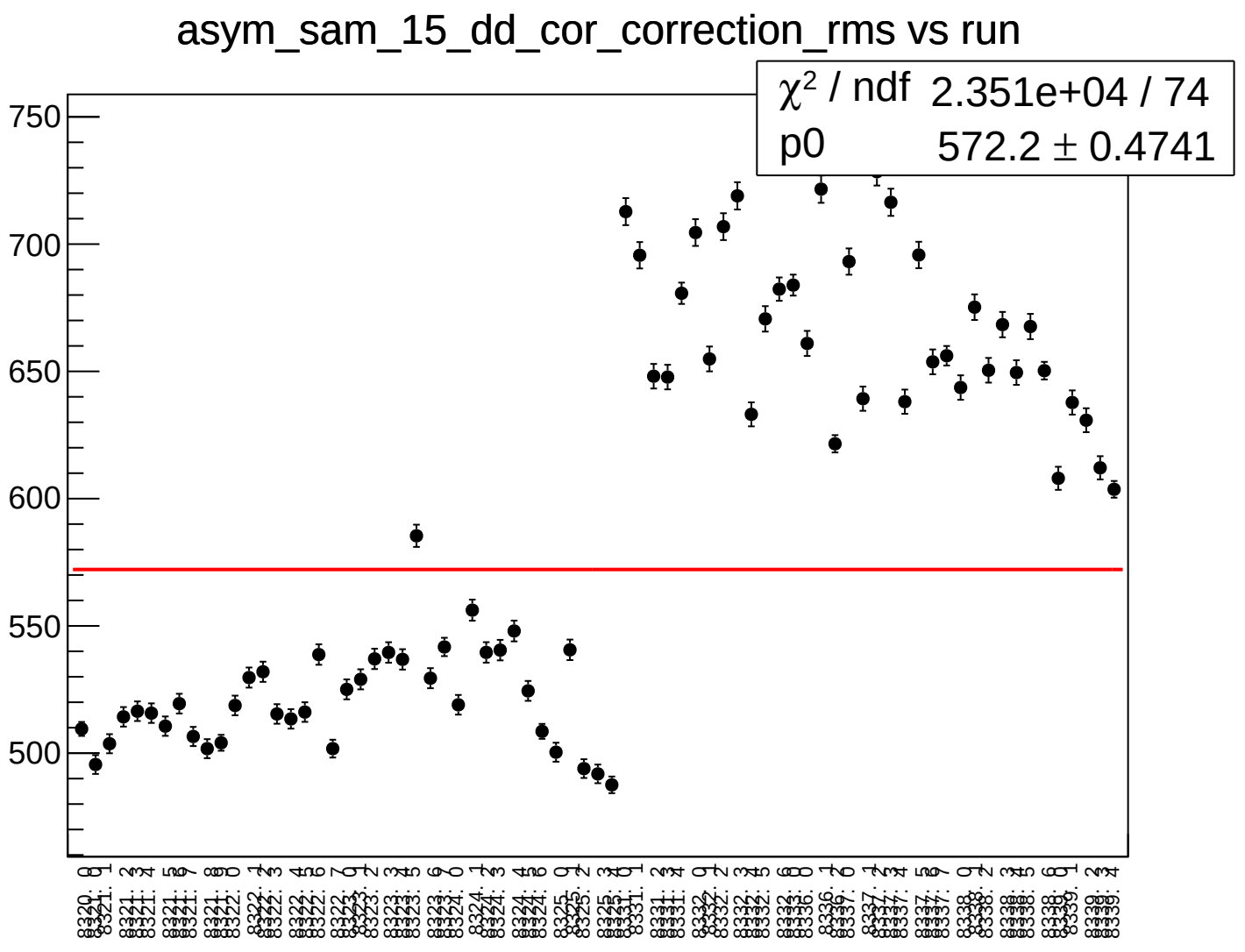

cor_asym_sam_15_dd_mean vs run
χ² / ndf 94.16 / 74
p0 −97.34 ± 90.57
pull
Entries 75
Mean −243.4
Std Dev 0

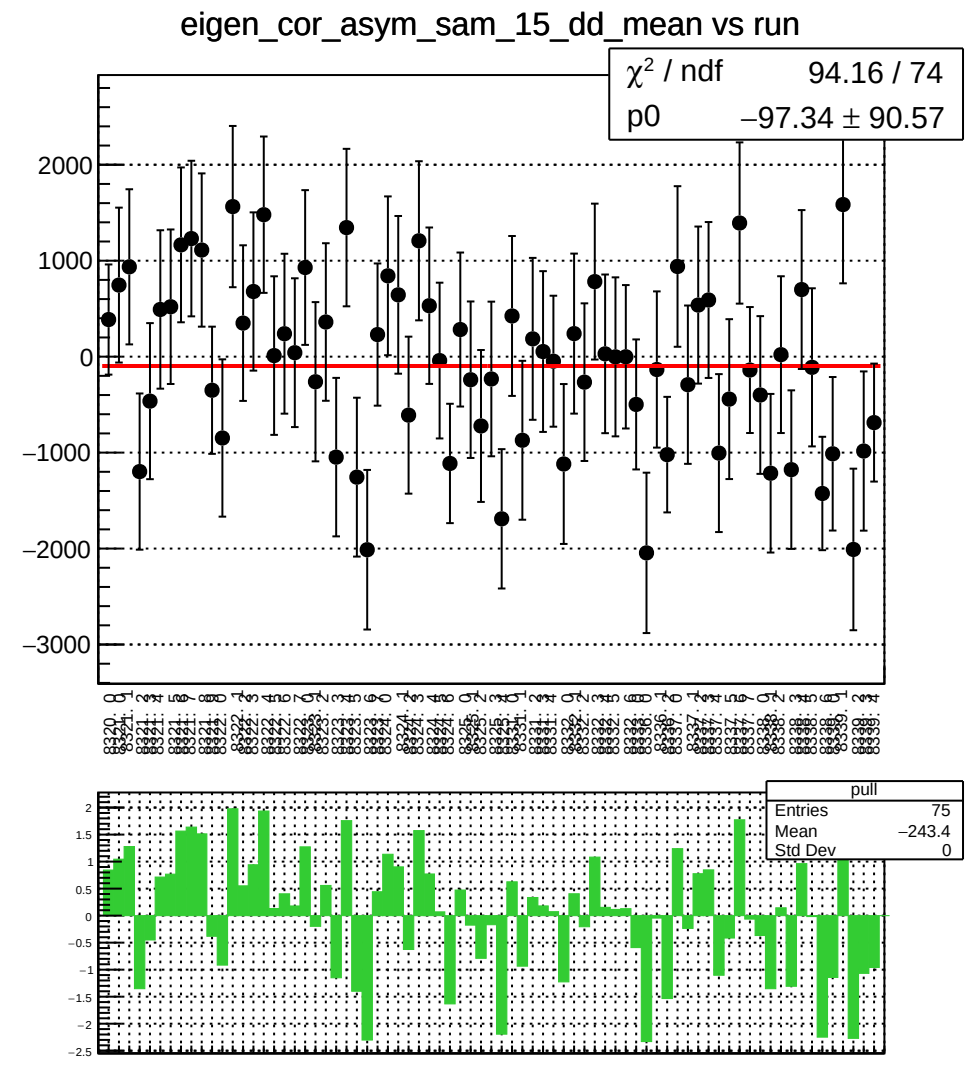

pull1D
Entries 75
Mean 0.02904
Std Dev 1.12

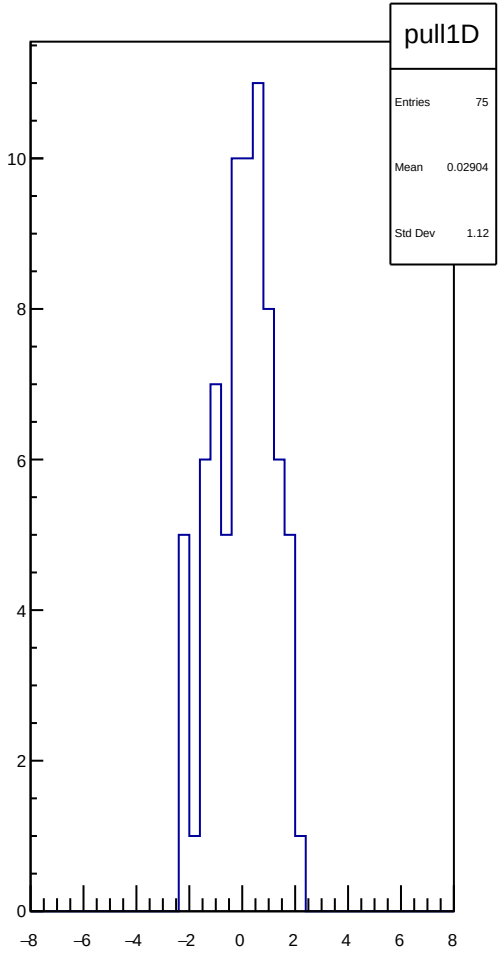

cor_asym_sam_15_dd_rms vs run
χ² / ndf 353.4 / 74
p0 77.91 ± 0.06404
81
80
79
78
77
76
75
74

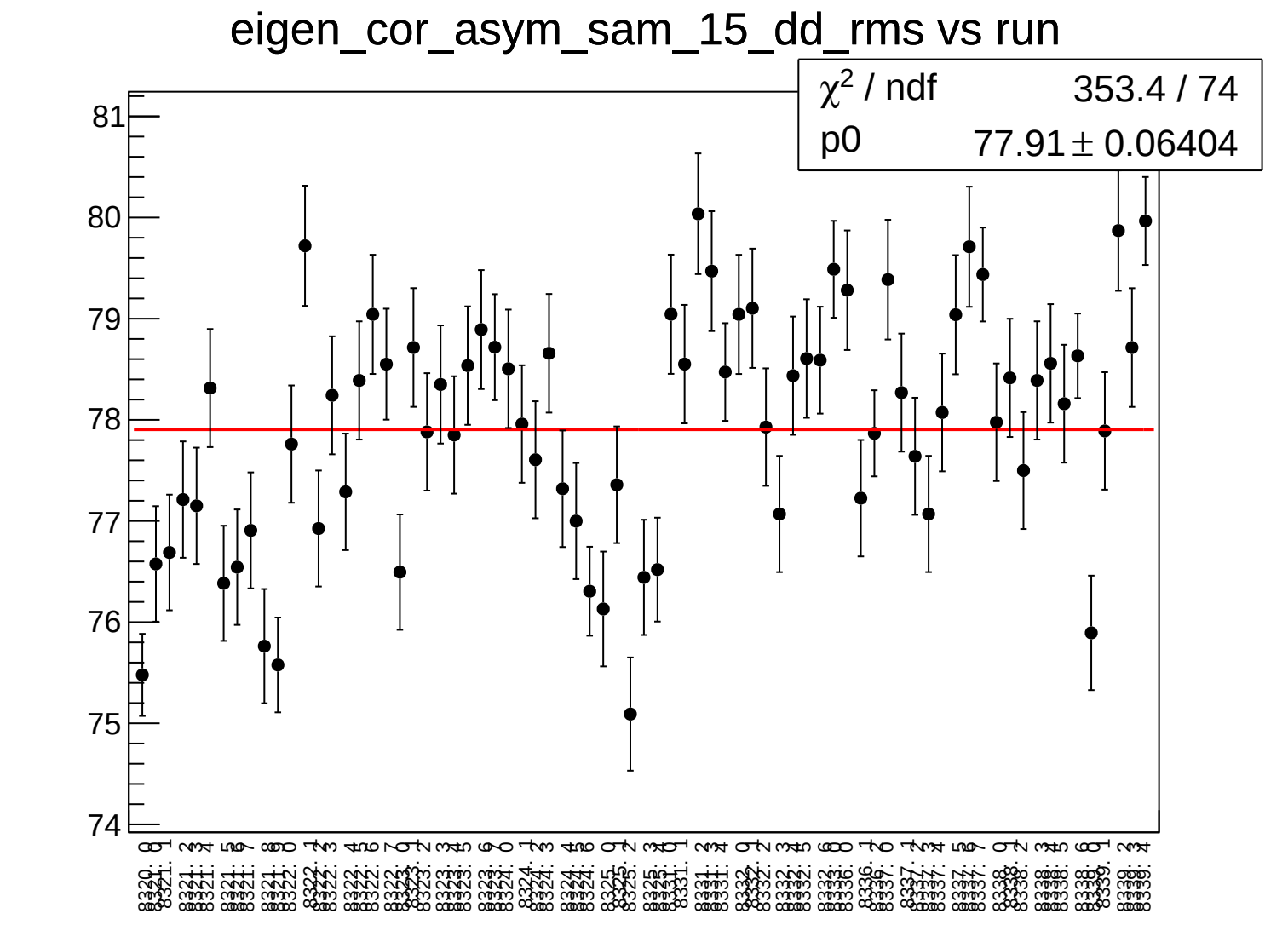

asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 83.11 / 74
p0 2255 ± 670.4
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −1442
Std Dev 0
3
2
1
0
−1
−2

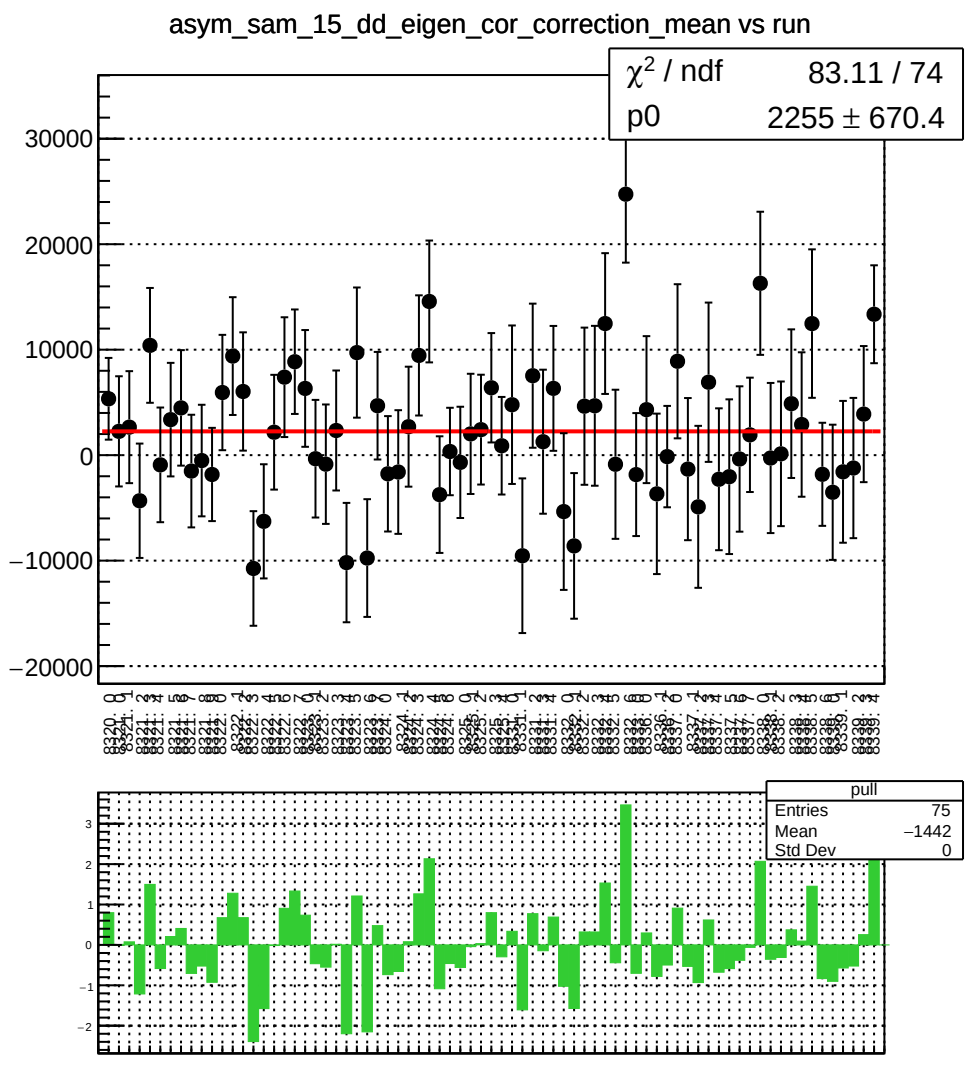

pull1D
Entries 75
Mean −0.001061
Std Dev 1.053
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

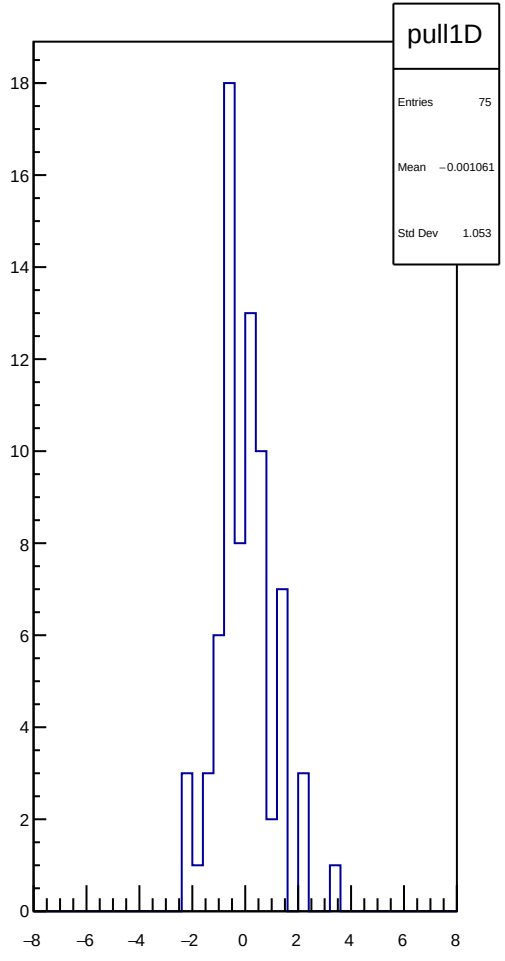

asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 2.351e+04 / 74
p0 572.2 ± 0.4741
750
700
650
600
550
500

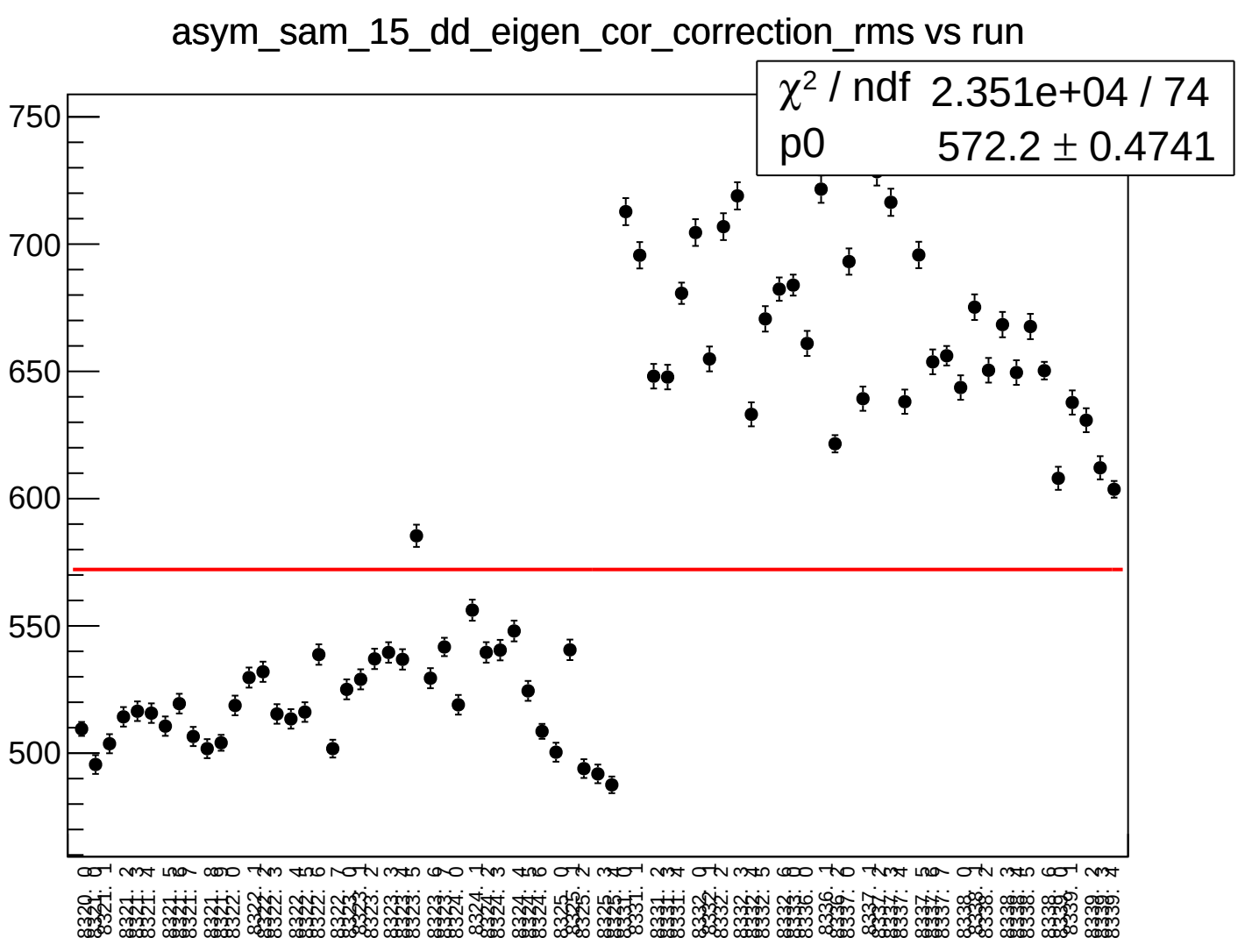

eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 94.16 / 74
p0 −97.34 ± 90.57
pull
Entries 75
Mean −243.4
Std Dev 0

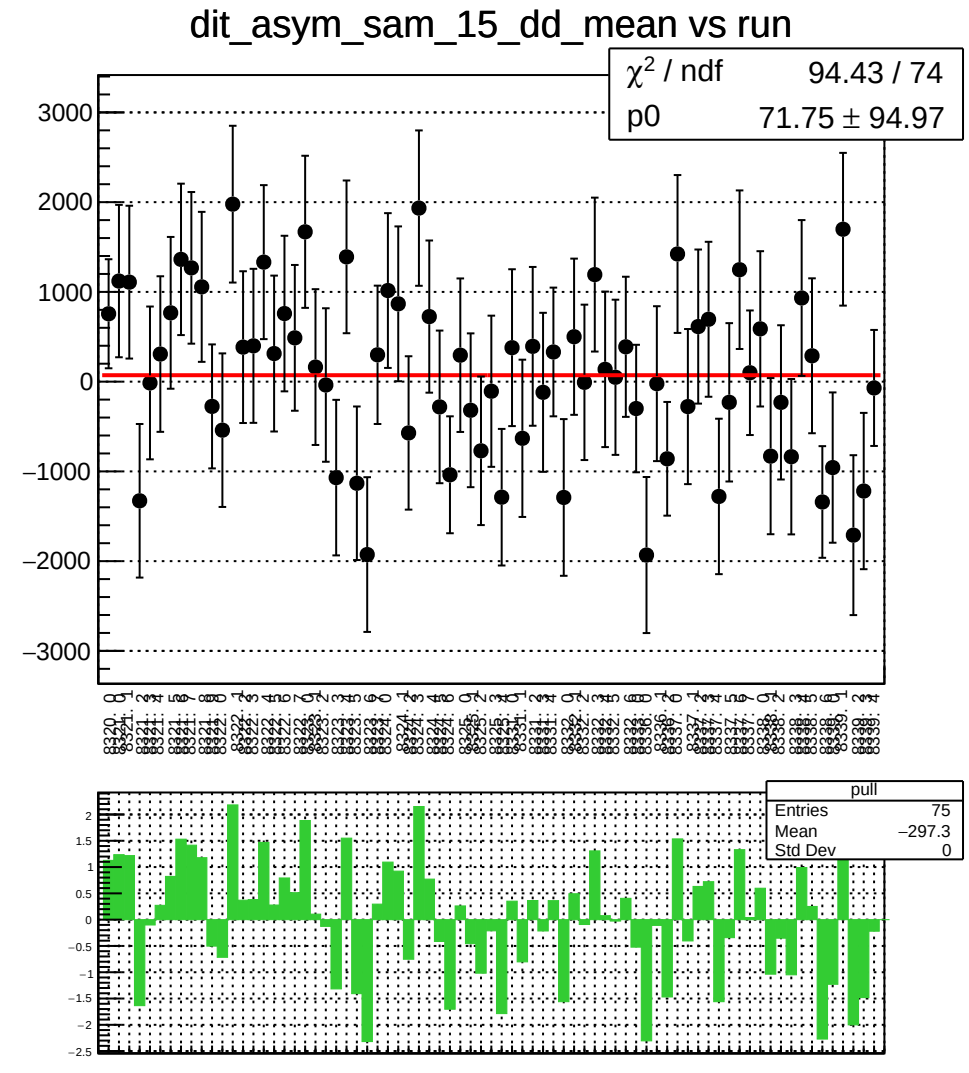

pull1D
Entries 75
Mean 0.02904
Std Dev 1.12

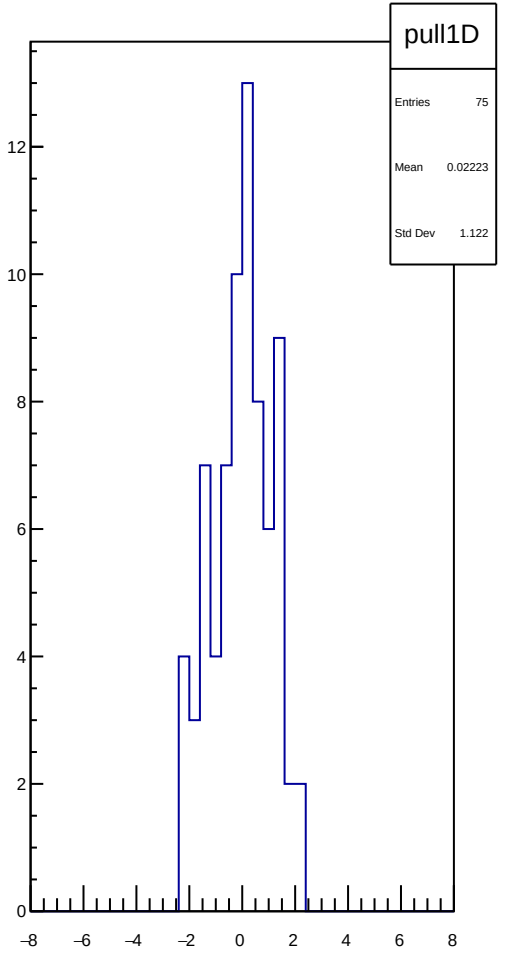

eigen_cor_asym_sam_15_dd_rms vs run
χ^2 / ndf 353.4 / 74
p0 77.91 ± 0.06404
81
80
79
78
77
76
75
74

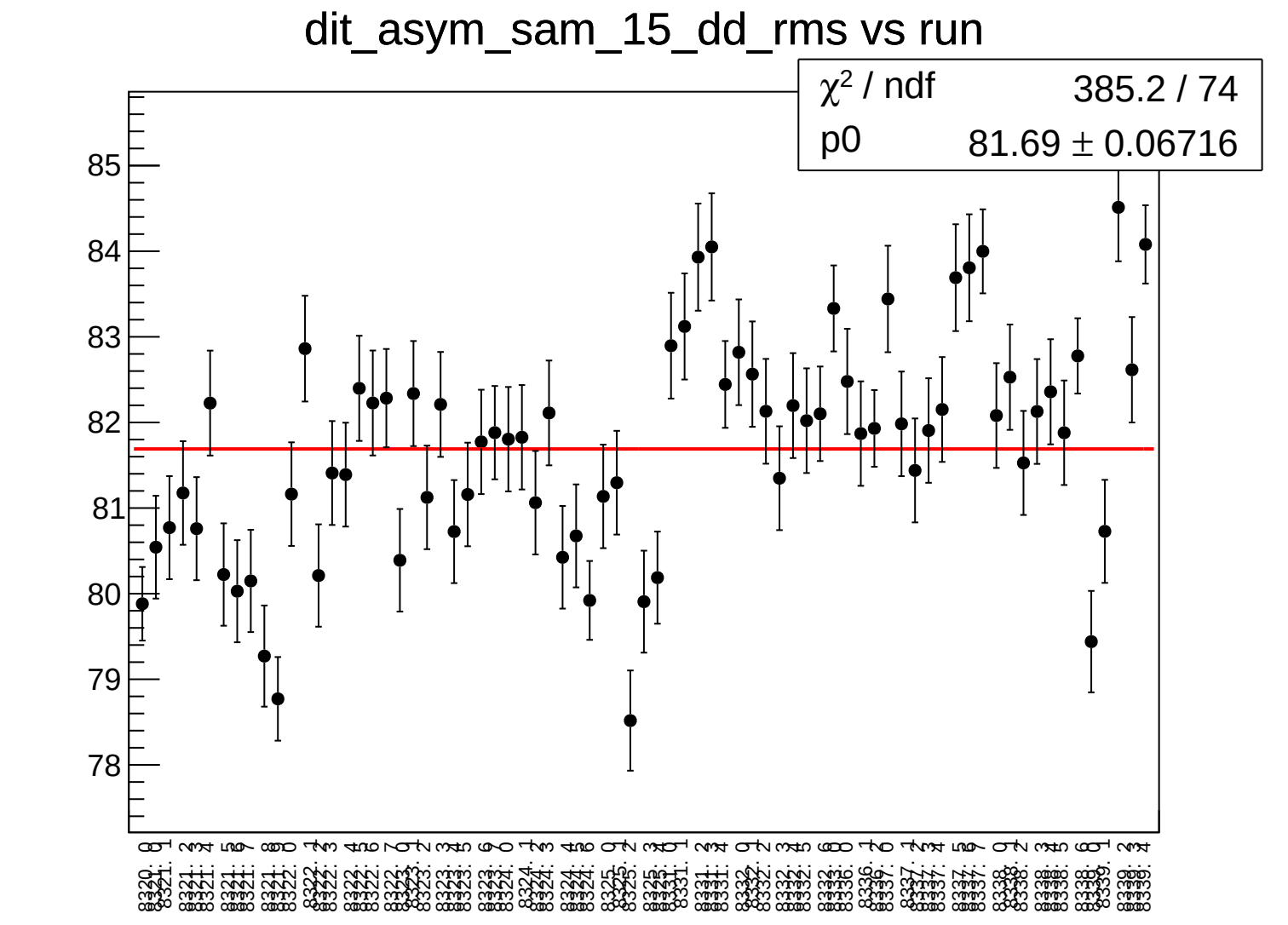

asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.11 / 74
p0 2255 ± 670.4
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −1442
Std Dev 0
3
2
1
0
−1
−2

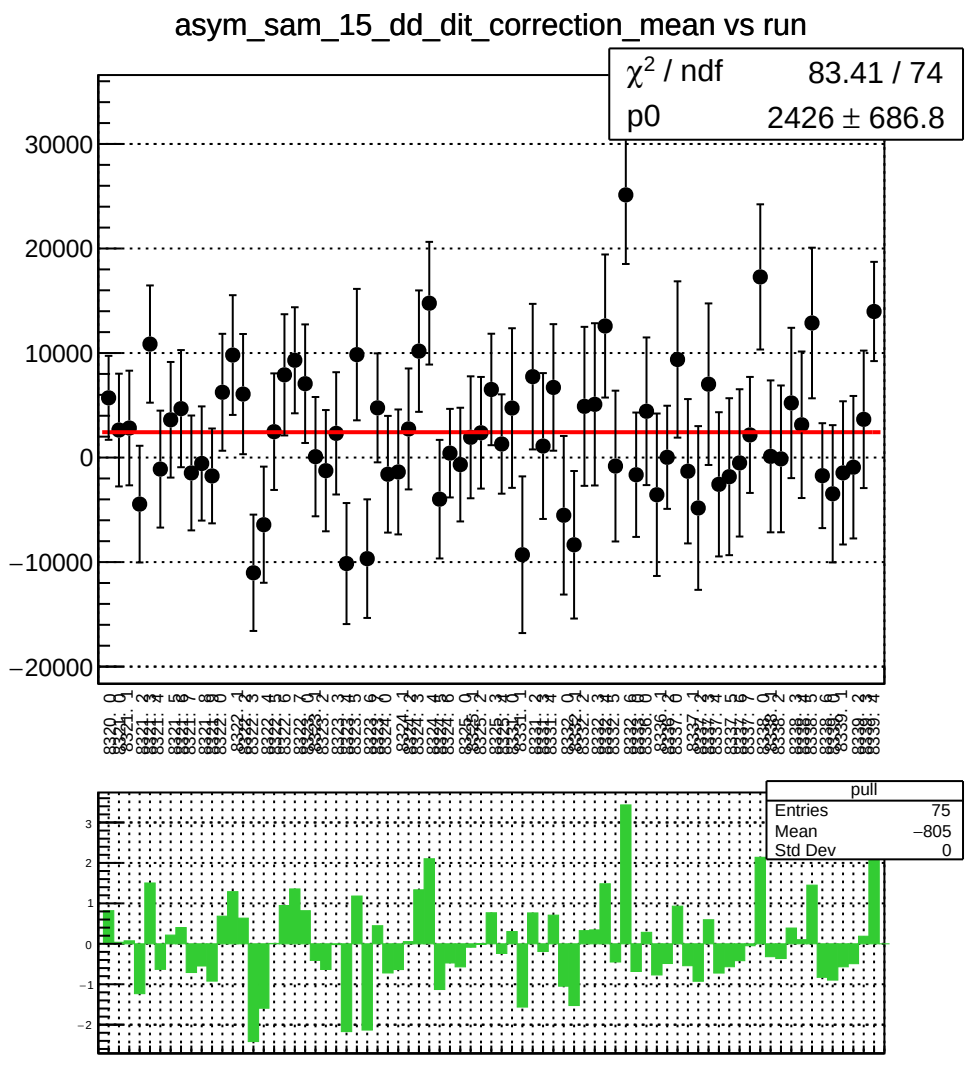

pull1D
Entries 75
Mean −0.001061
Std Dev 1.053
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

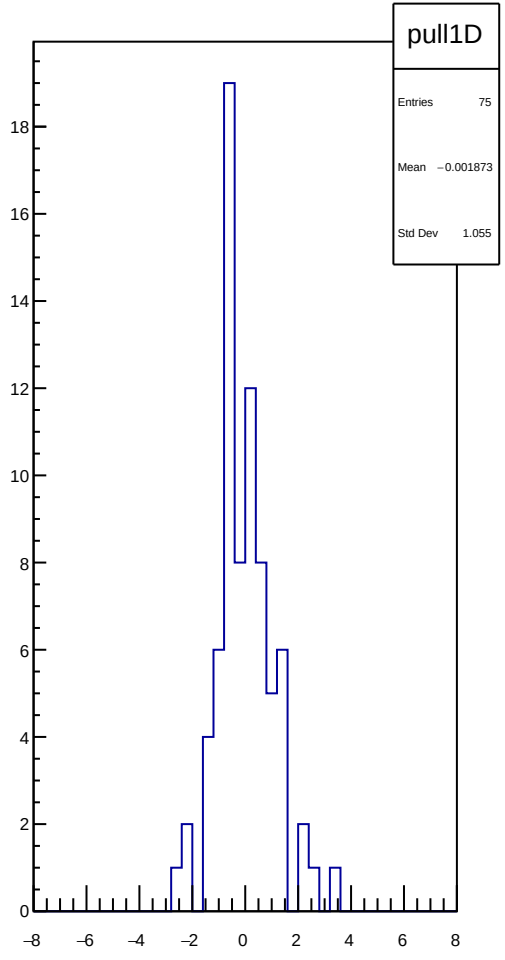

asym_sam_15_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.351e+04 / 74
p0 572.2 ± 0.4741
750
700
650
600
550
500

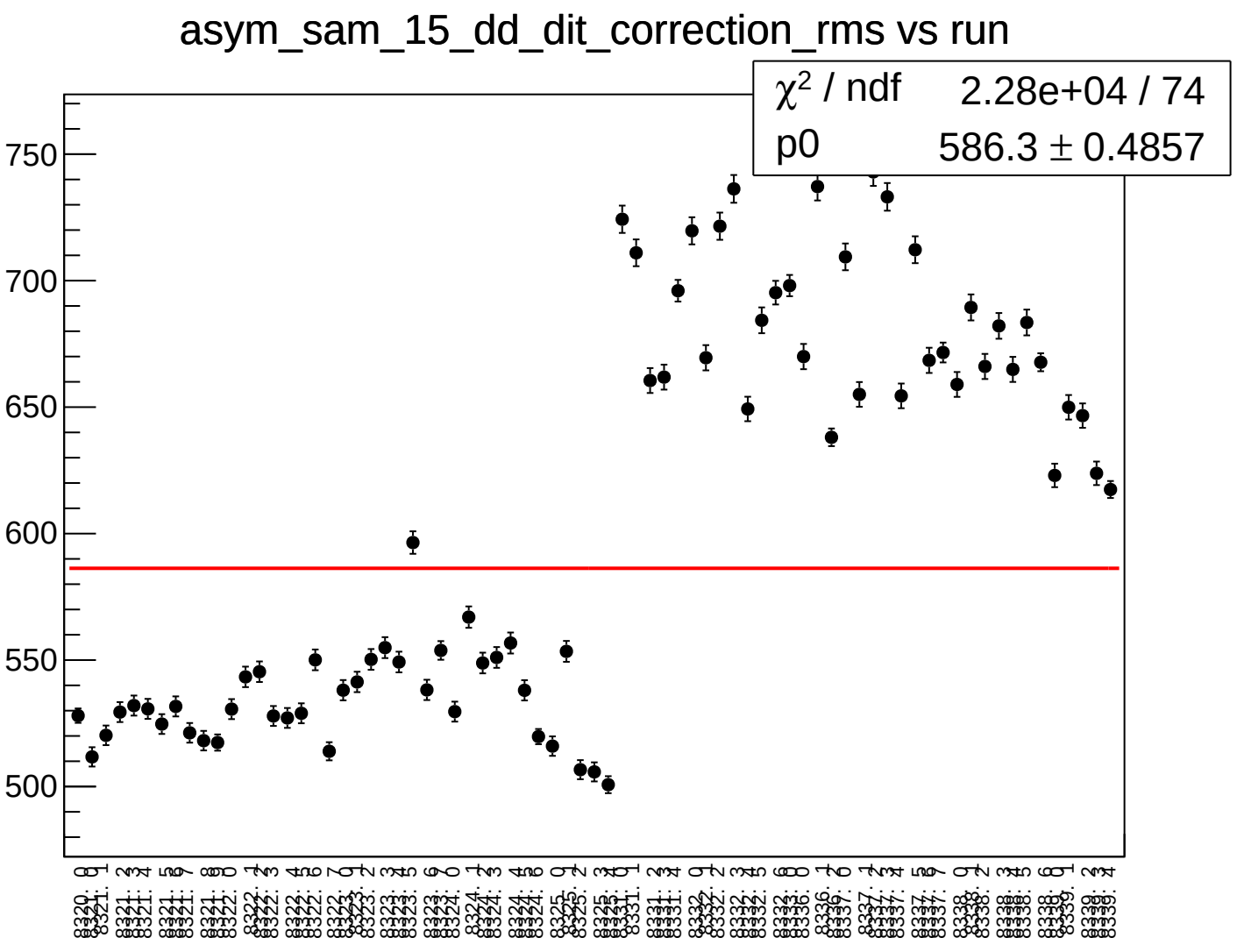

dit_asym_sam_15_dd_mean vs run
χ² / ndf 94.43 / 74
p0 71.75 ± 94.97
pull
Entries 75
Mean −297.3
Std Dev 0

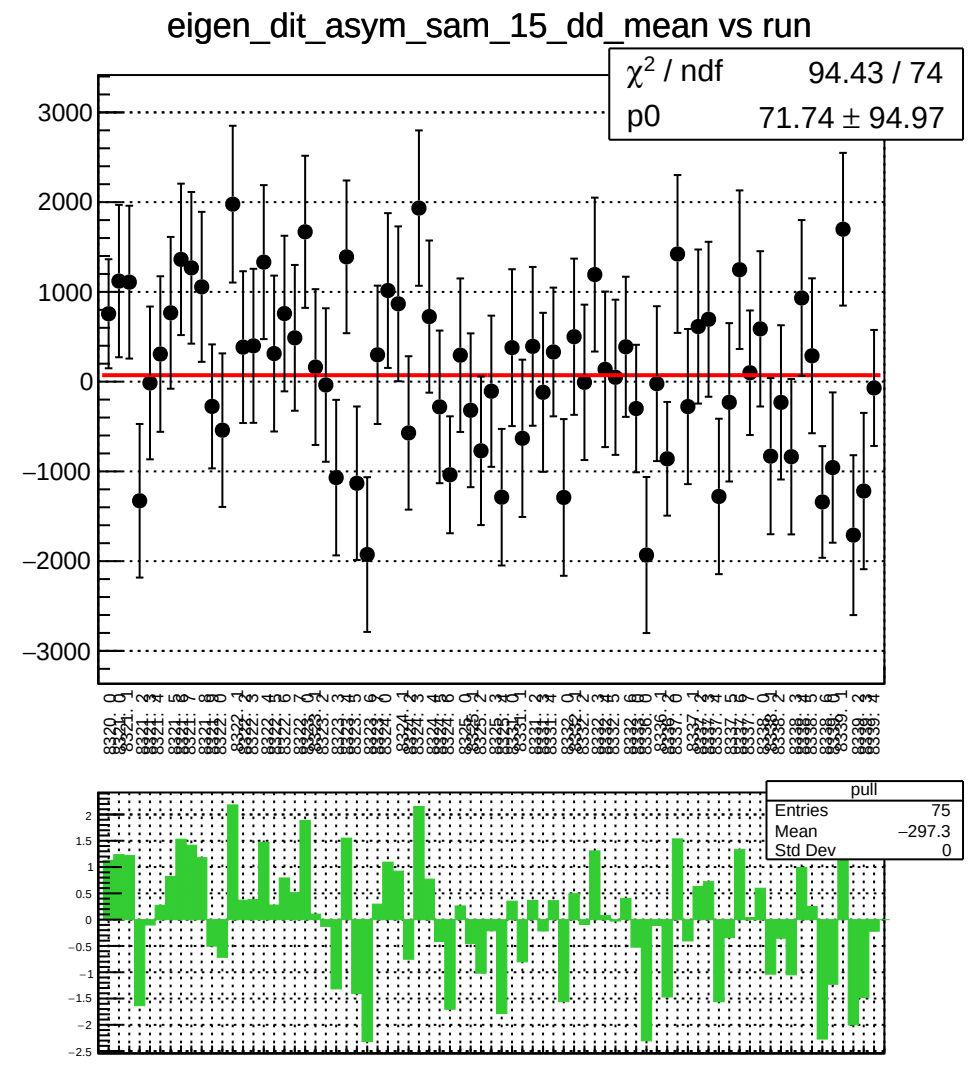

pull1D
Entries 75
Mean 0.02223
Std Dev 1.122

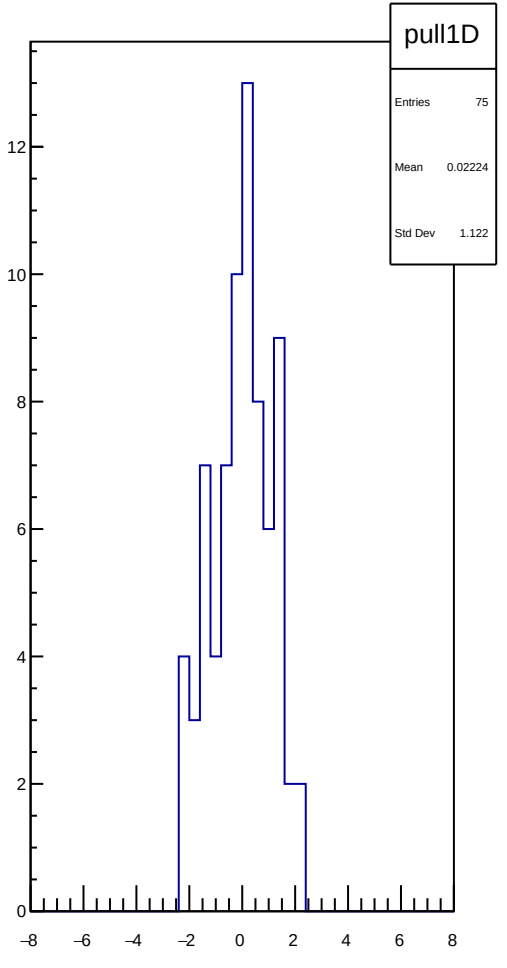

dit_asym_sam_15_dd_rms vs run
χ² / ndf 385.2 / 74
p0 81.69 ± 0.06716
85
84
83
82
81
80
79
78

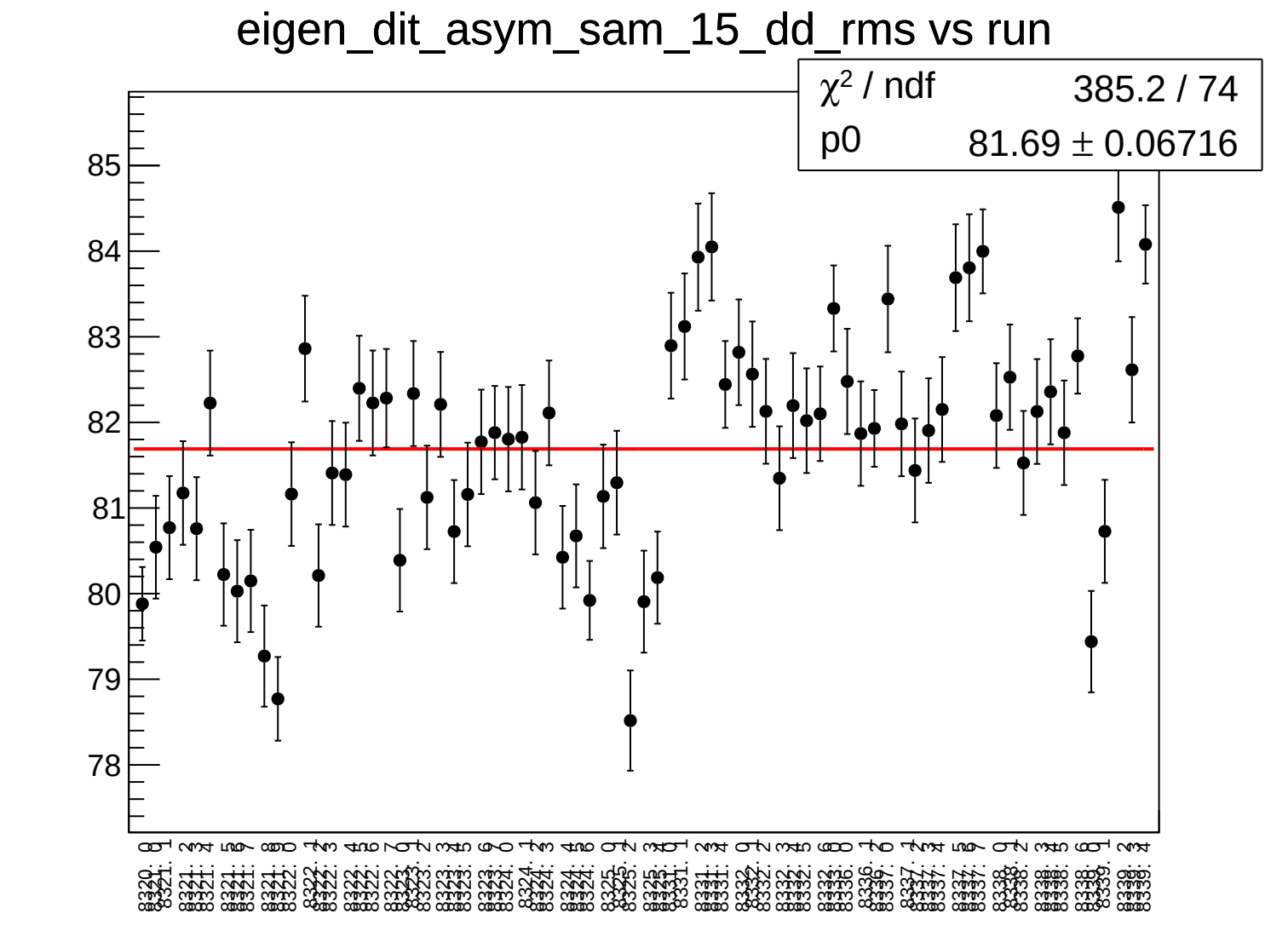

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 83.41 / 74
p0 2426 ± 686.8
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −805
Std Dev 0
3
2
1
0
−1
−2

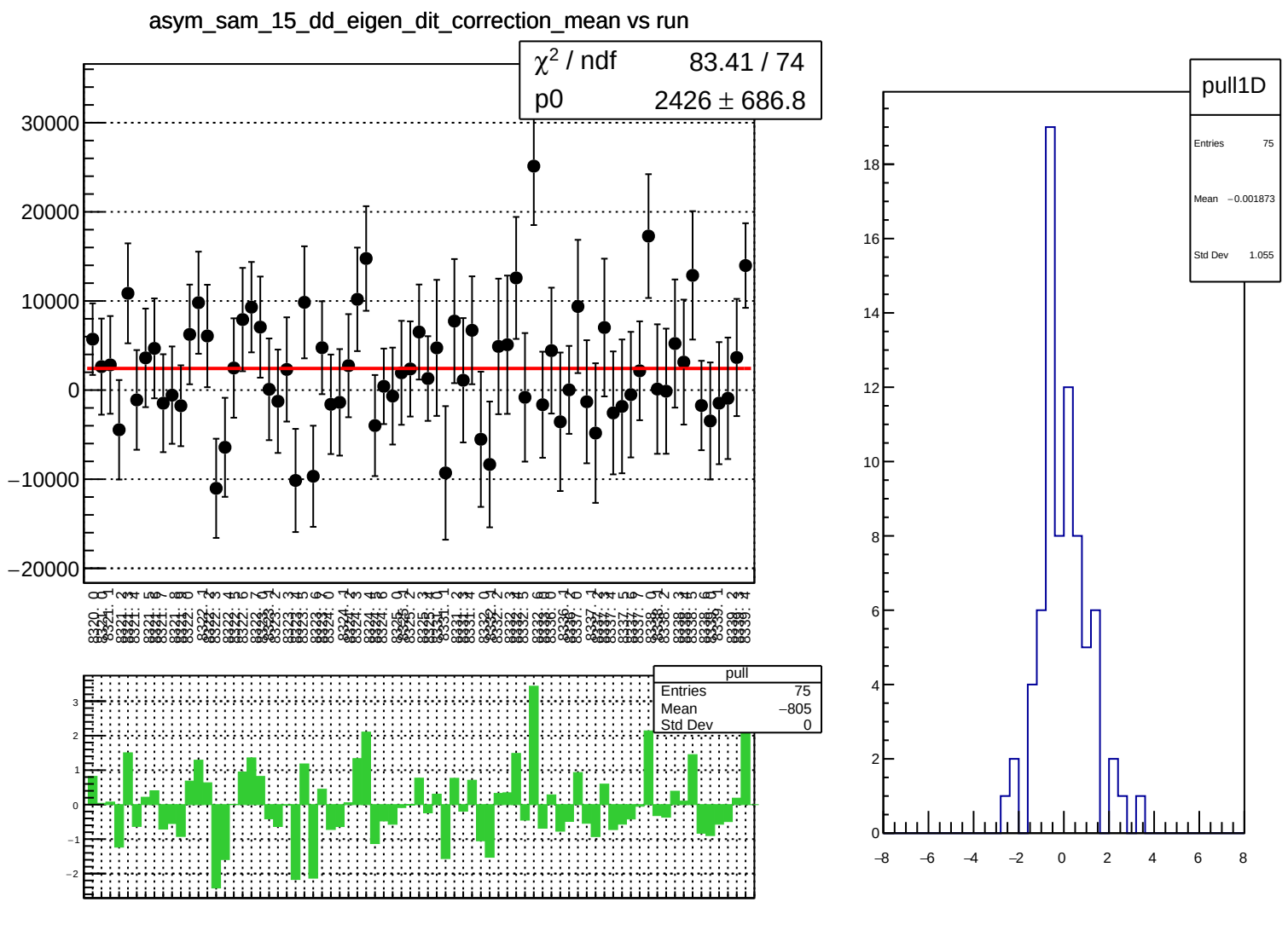

pull1D
Entries 75
Mean −0.001873
Std Dev 1.055
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

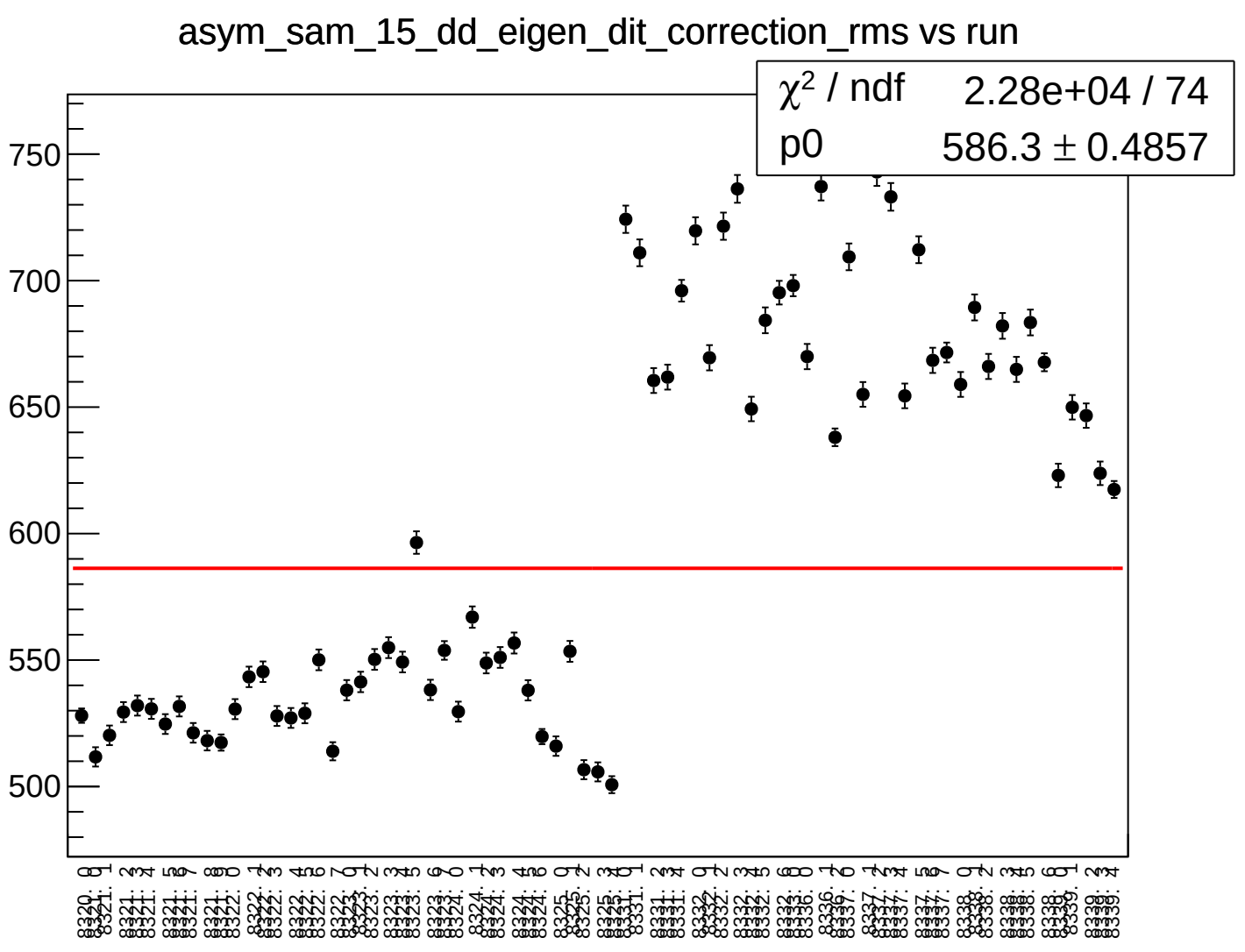

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 2.28e+04 / 74
p0 586.3 ± 0.4857
750
700
650
600
550
500

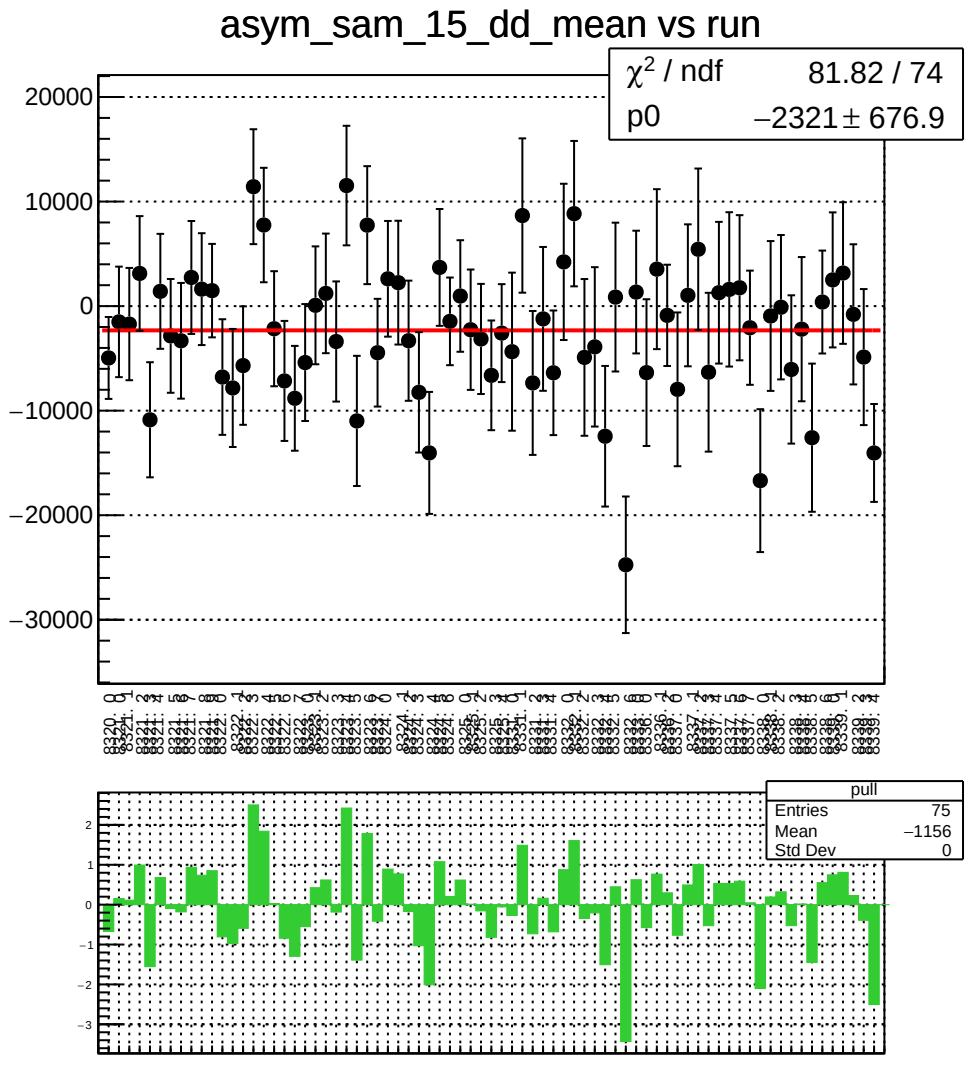

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 94.43 / 74
p0 71.74 ± 94.97
pull
Entries 75
Mean −297.3
Std Dev 0

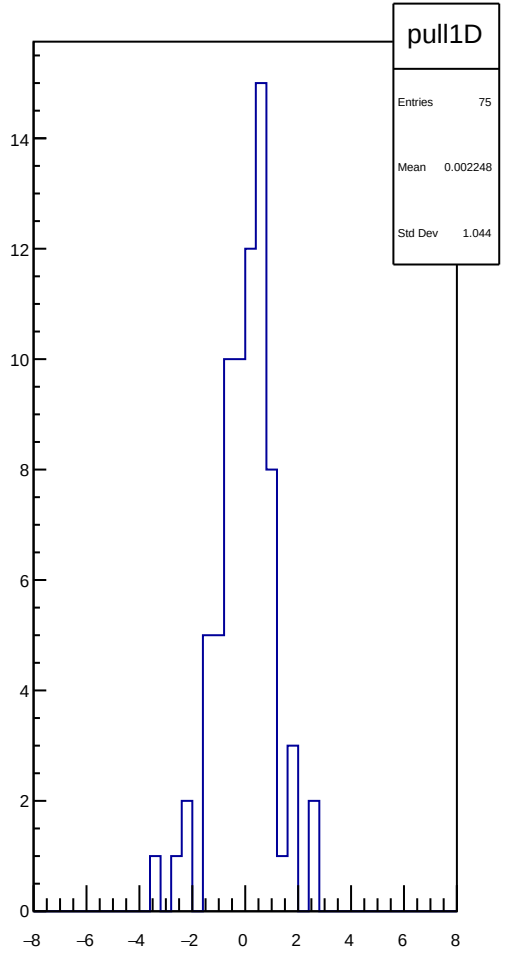

pull1D
Entries 75
Mean 0.02224
Std Dev 1.122

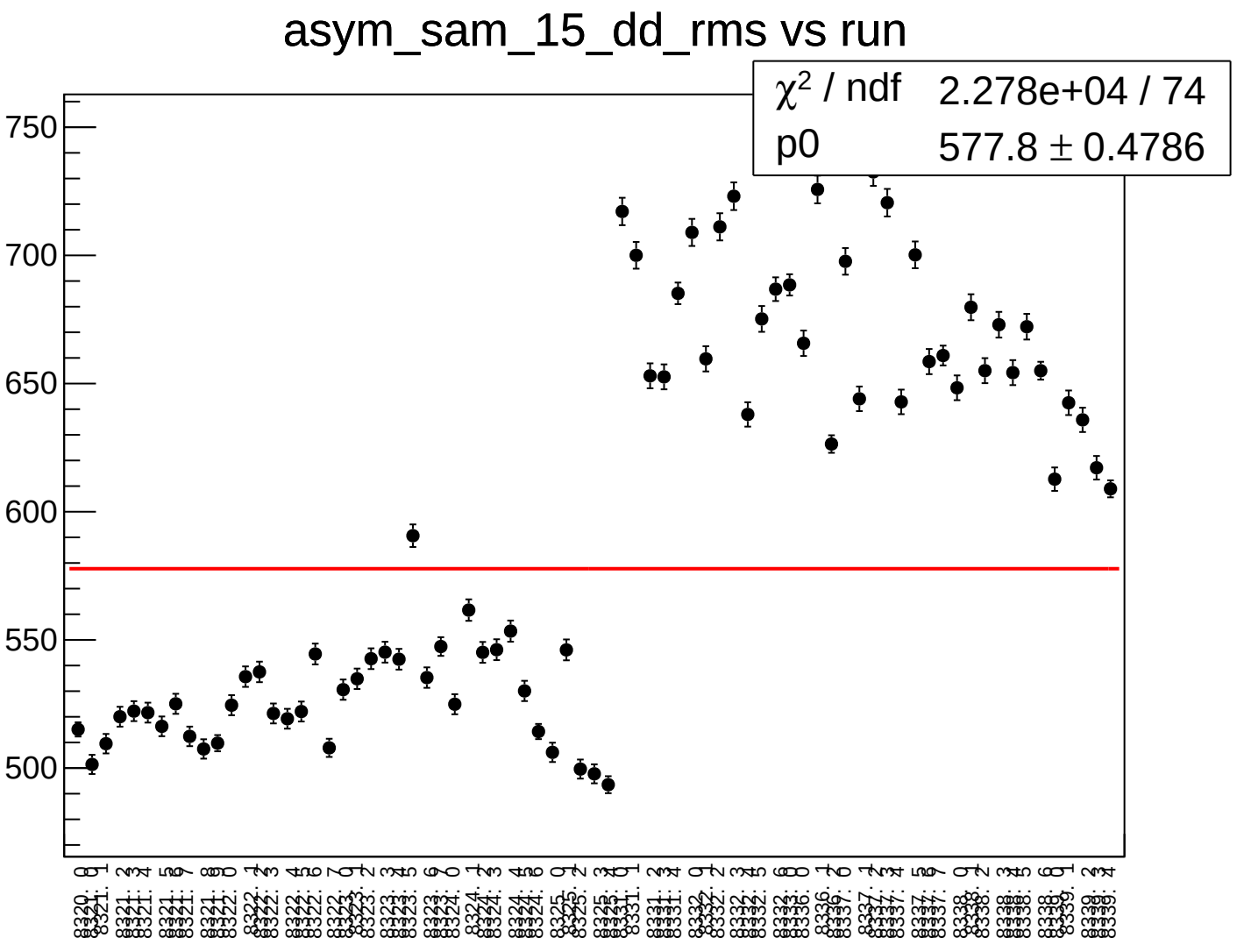

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 385.2 / 74
p0 81.69 ± 0.06716
85
84
83
82
81
80
79
78

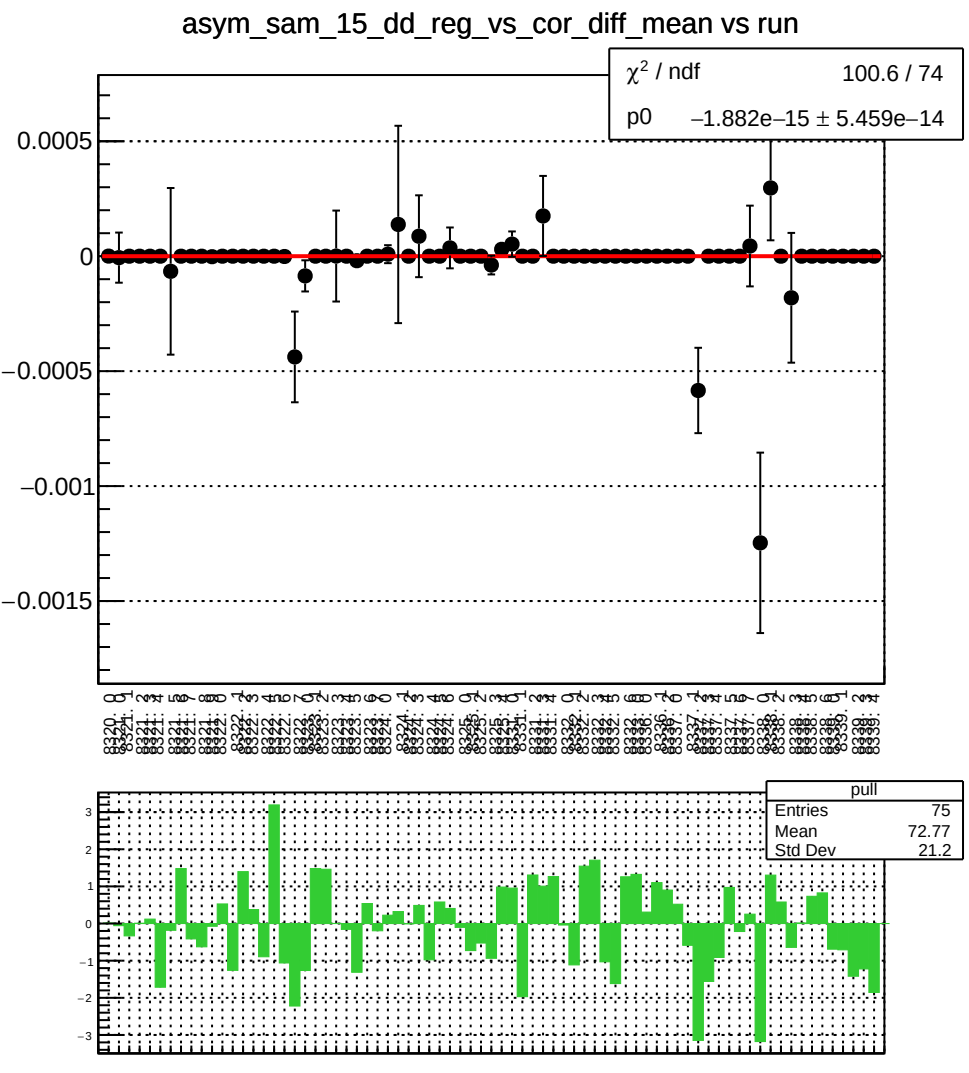

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 83.41 / 74
p0 2426 ± 686.8
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −805
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.001873
Std Dev 1.055
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

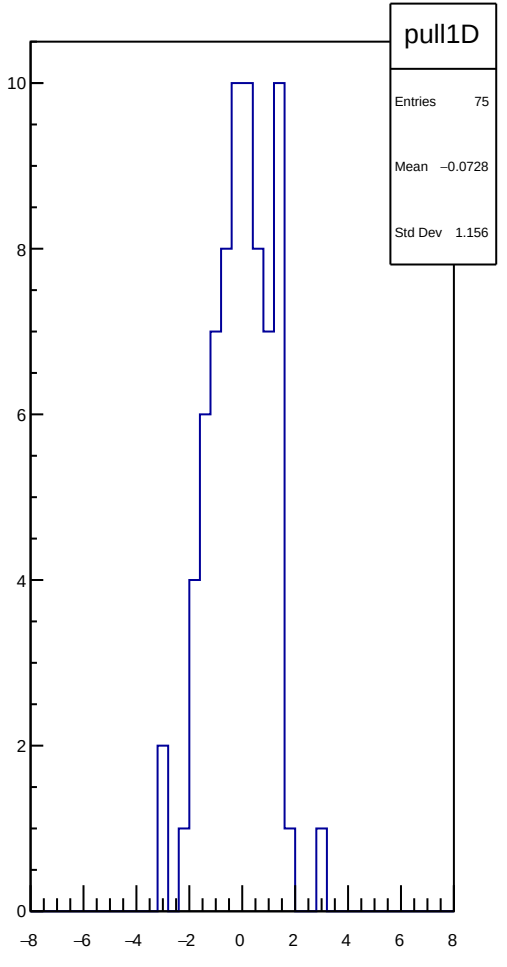

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.28e+04 / 74
p0 586.3 ± 0.4857
750
700
650
600
550
500

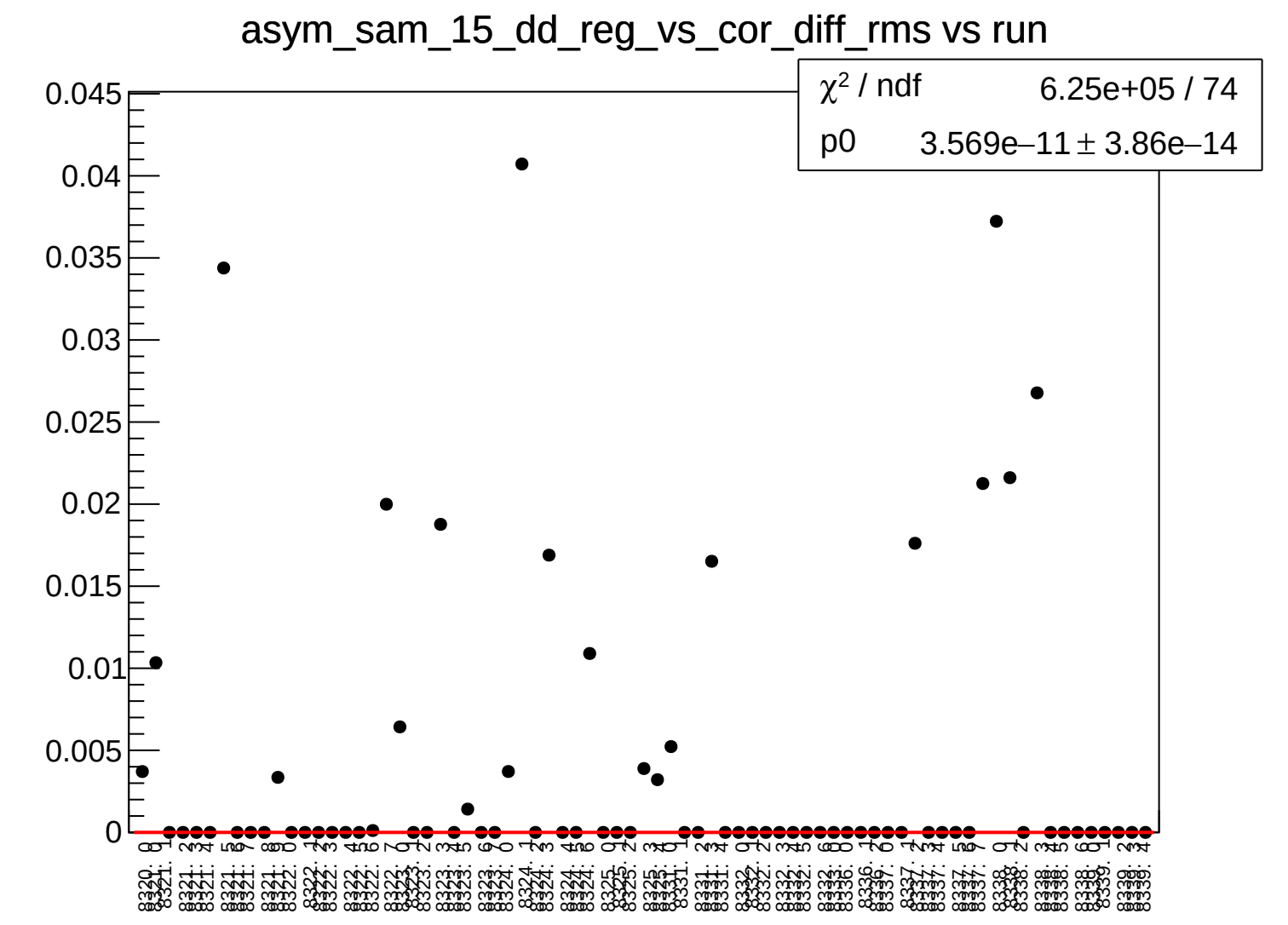

asym_sam_15_dd_mean vs run
χ² / ndf 81.82 / 74
p0 −2321 ± 676.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean −1156
Std Dev 0
2
1
0
−1
−2
−3

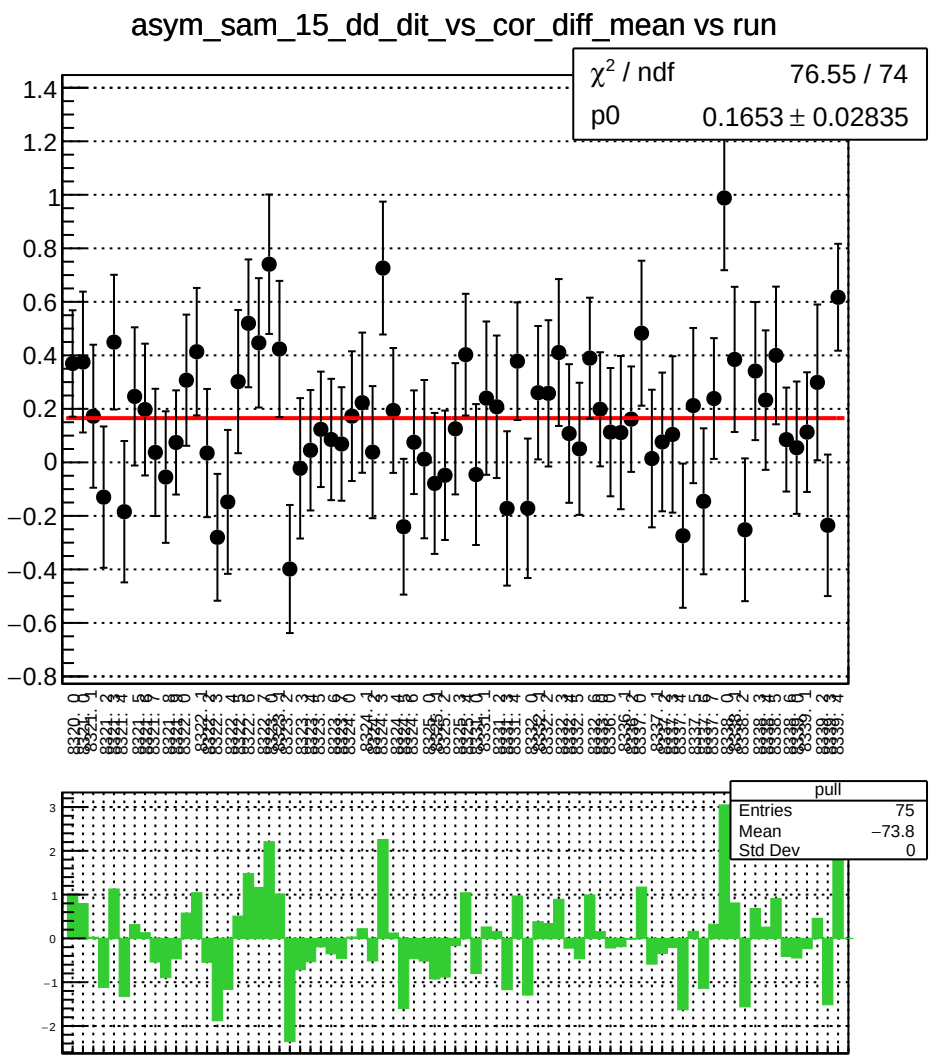

pull1D
Entries 75
Mean 0.002248
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

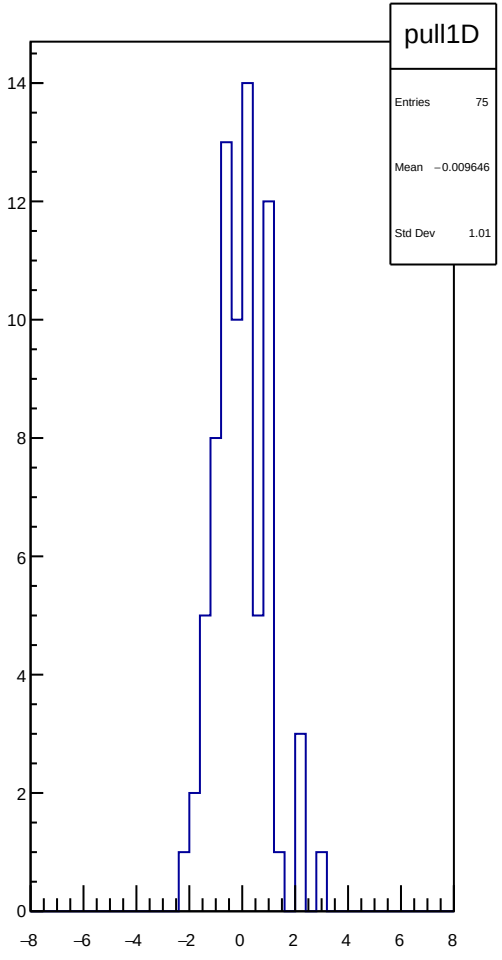

asym_sam_15_dd_rms vs run
χ² / ndf 2.278e+04 / 74
p0 577.8 ± 0.4786
750
700
650
600
550
500

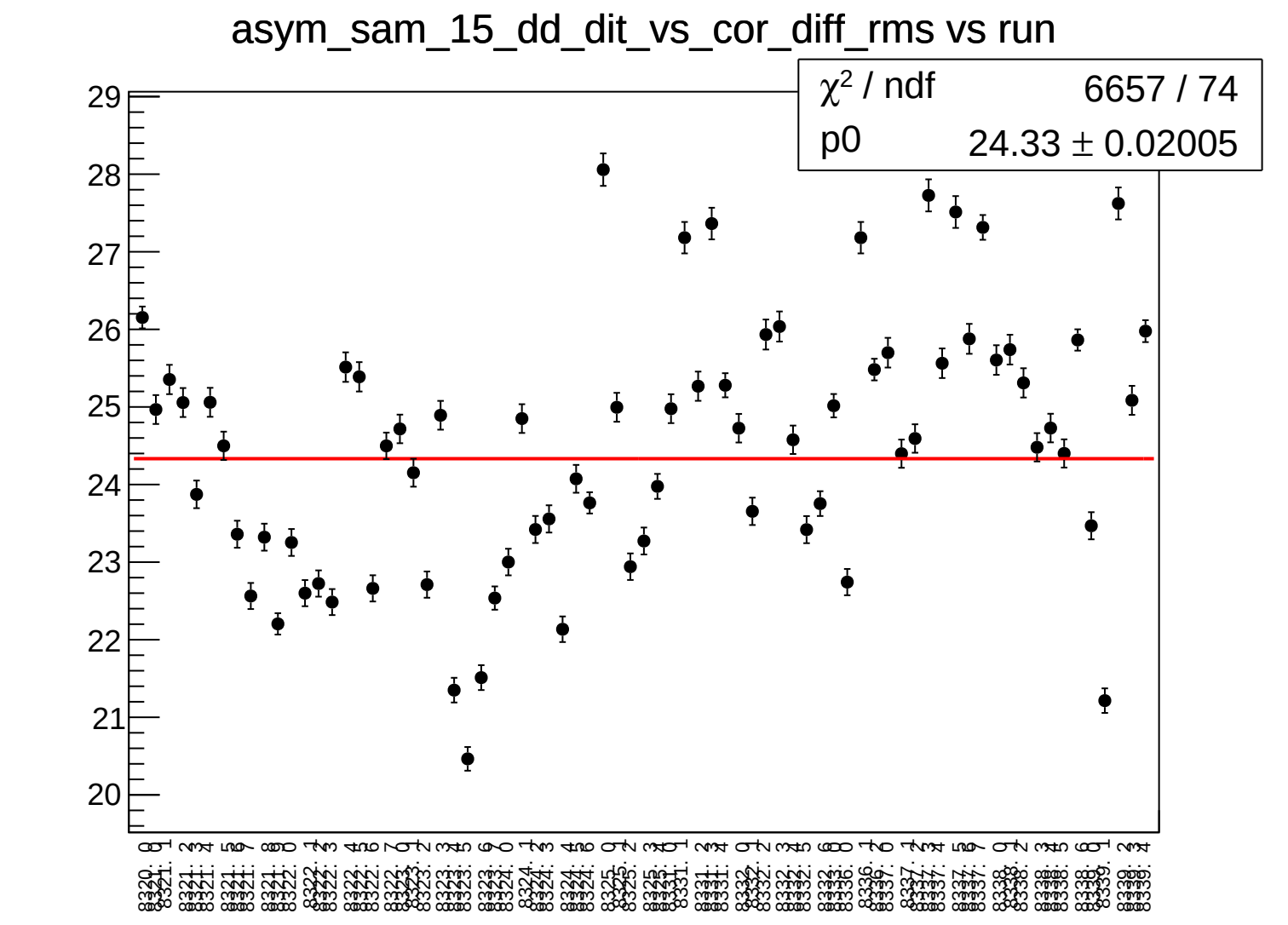

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 100.6 / 74
p0 −1.882e−15 ± 5.459e−14
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 75
Mean 72.77
Std Dev 21.2

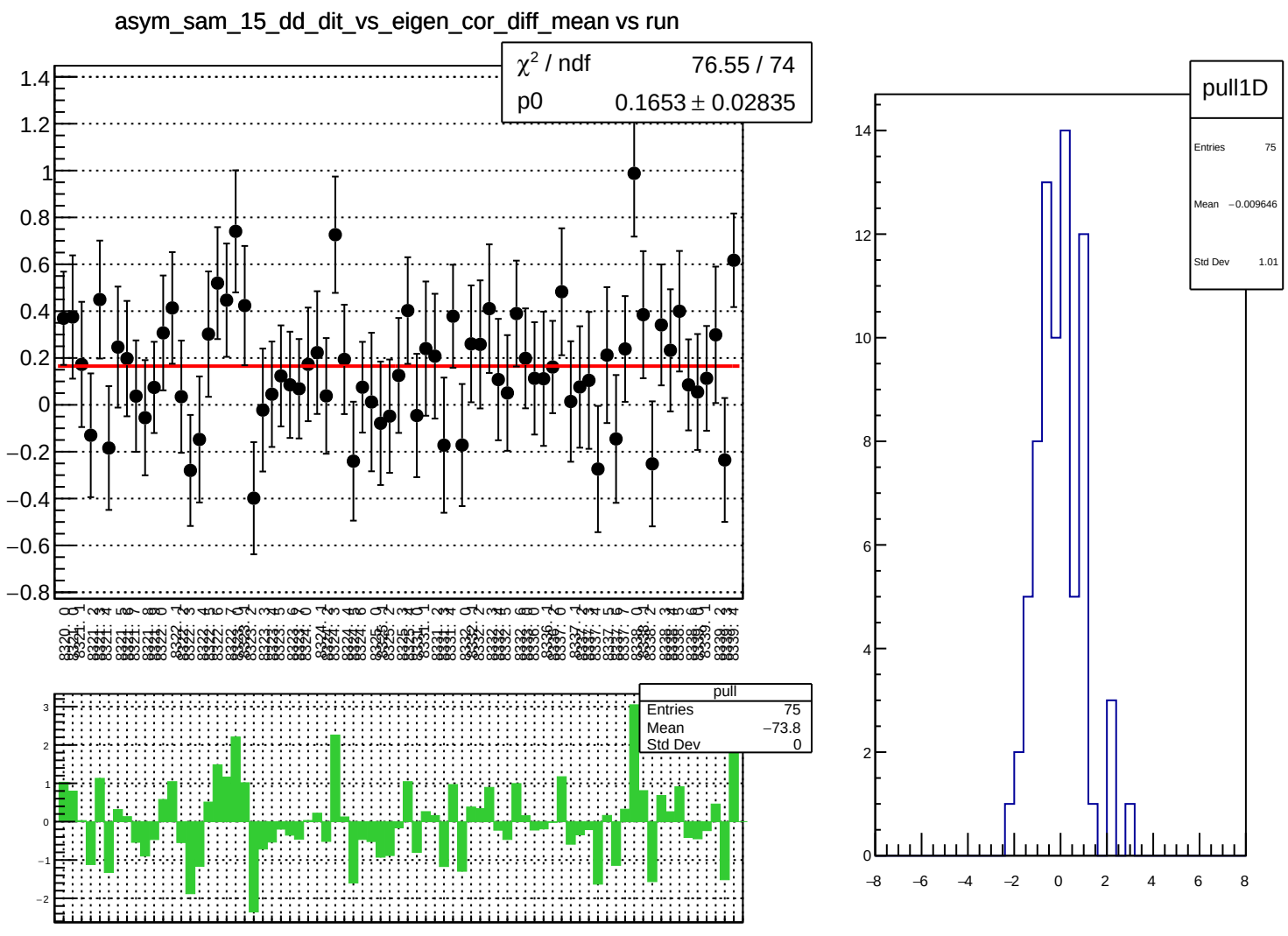

pull1D
Entries 75
Mean −0.0728
Std Dev 1.156
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

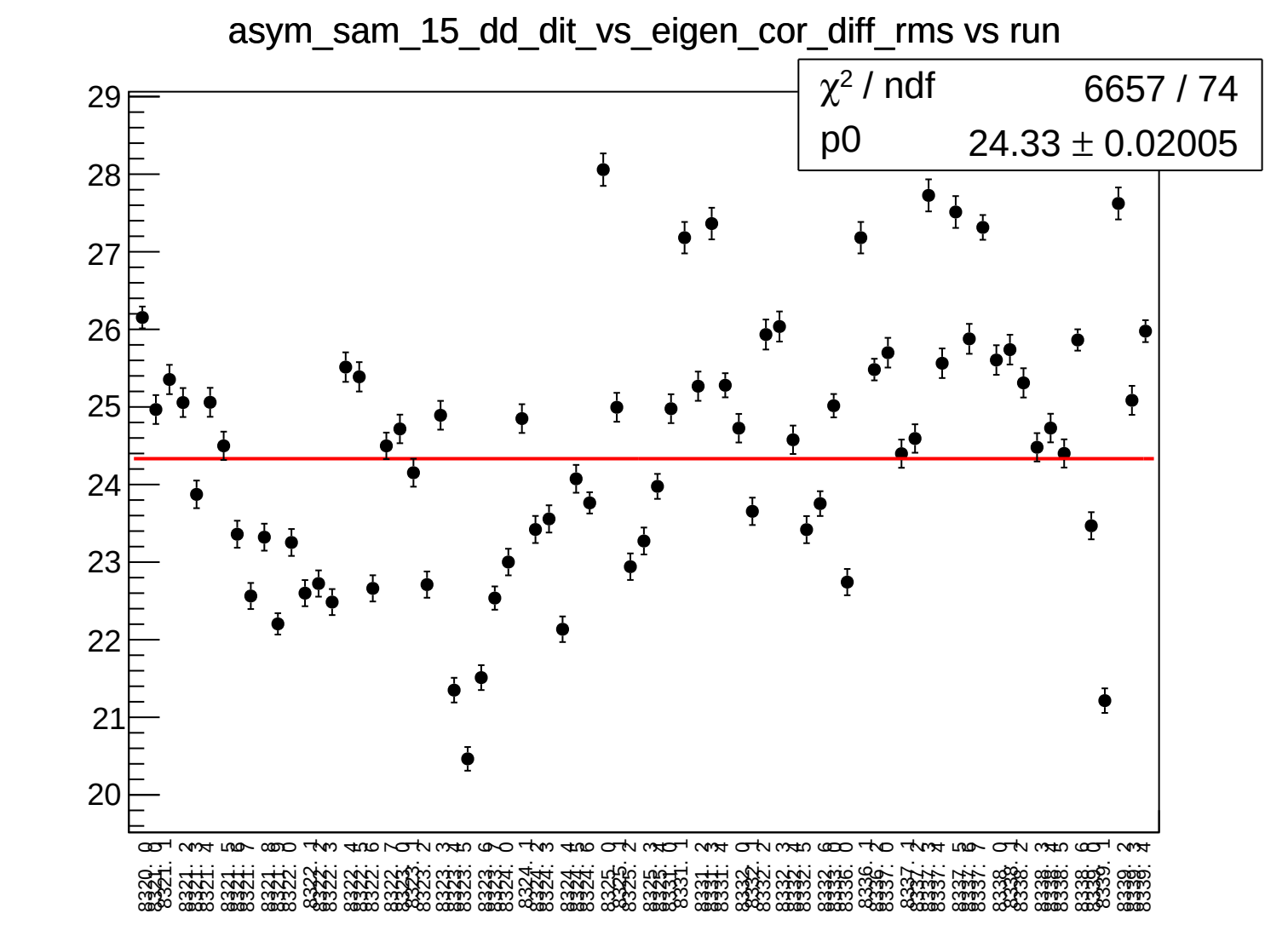

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.25e+05 / 74
p0 3.569e−11 ± 3.86e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

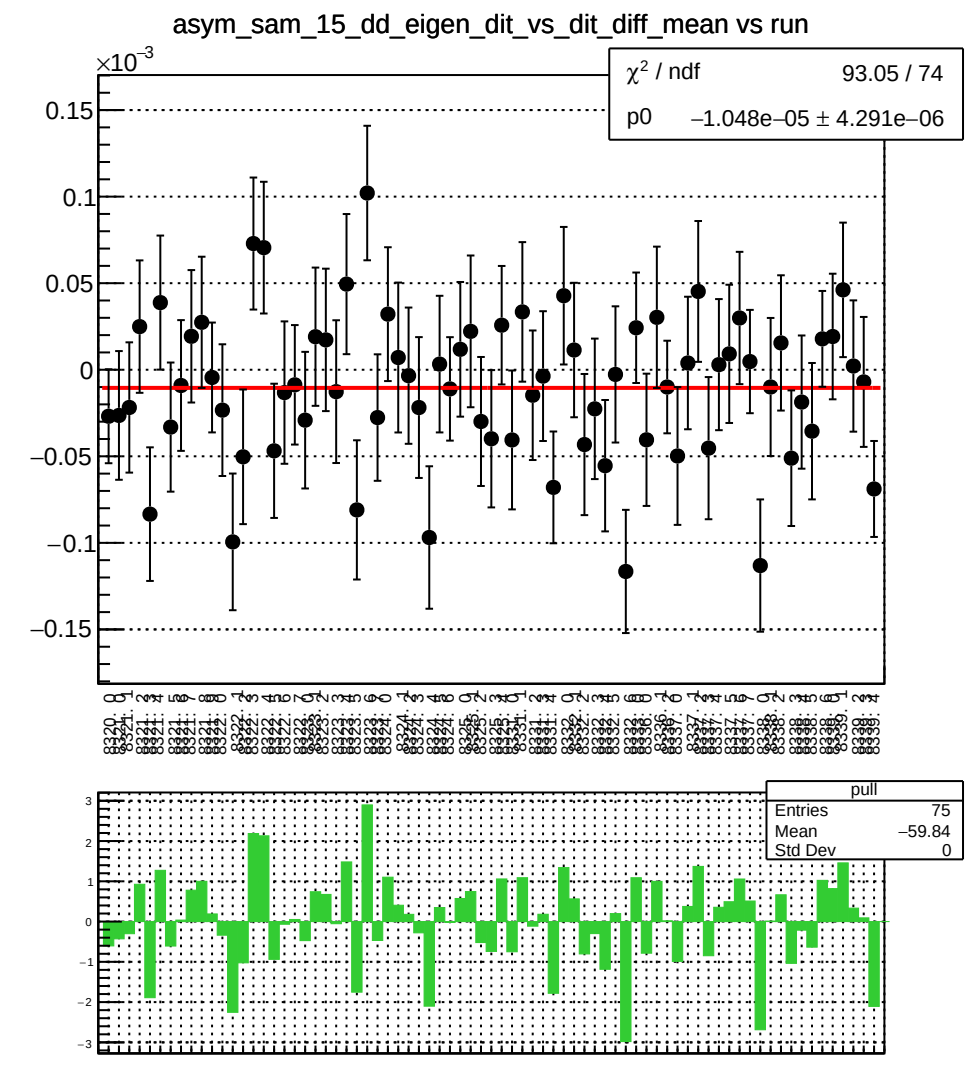

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.55 / 74
p0 0.1653 ± 0.02835
pull
Entries 75
Mean −73.8
Std Dev 0

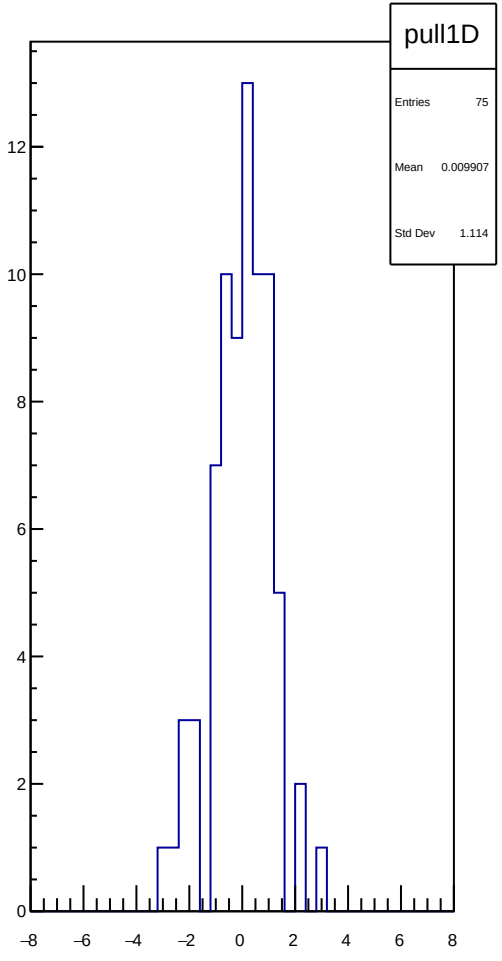

pull1D
Entries 75
Mean −0.009646
Std Dev 1.01

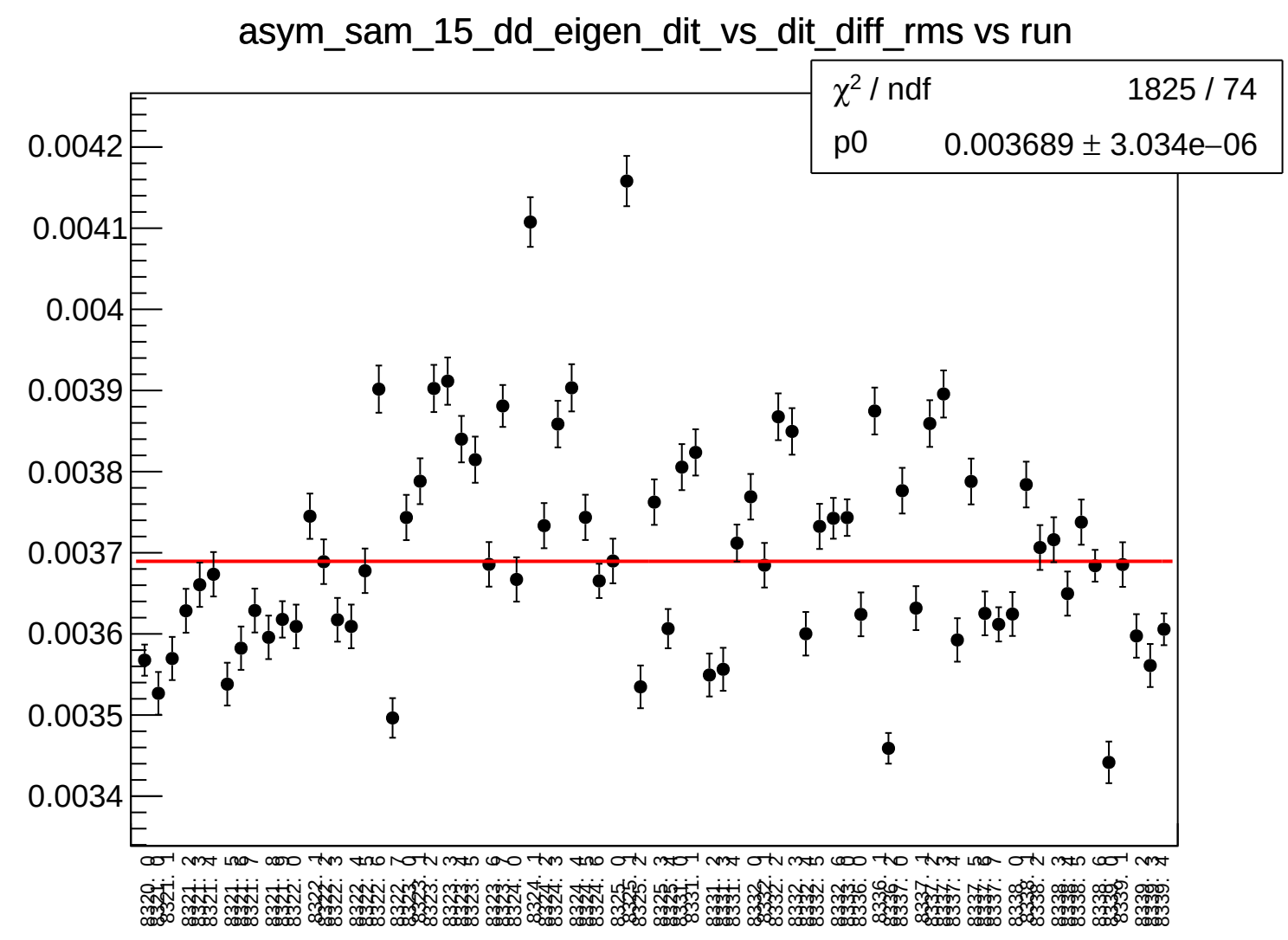

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6657 / 74
p0 24.33 ± 0.02005
29
28
27
26
25
24
23
22
21
20

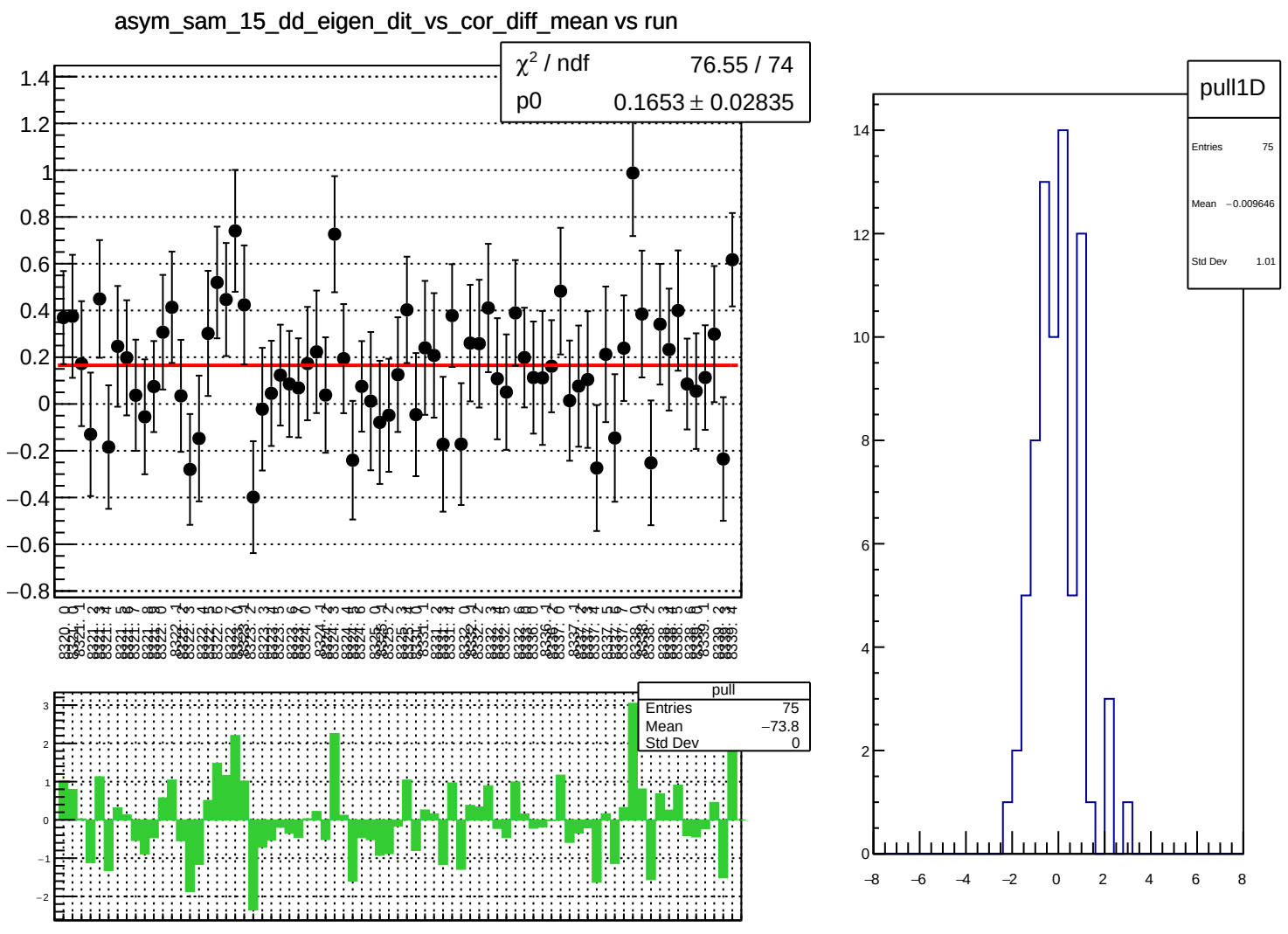

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.55 / 74
p0 0.1653 ± 0.02835
pull
Entries 75
Mean −73.8
Std Dev 0
pull1D
Entries 75
Mean −0.009646
Std Dev 1.01

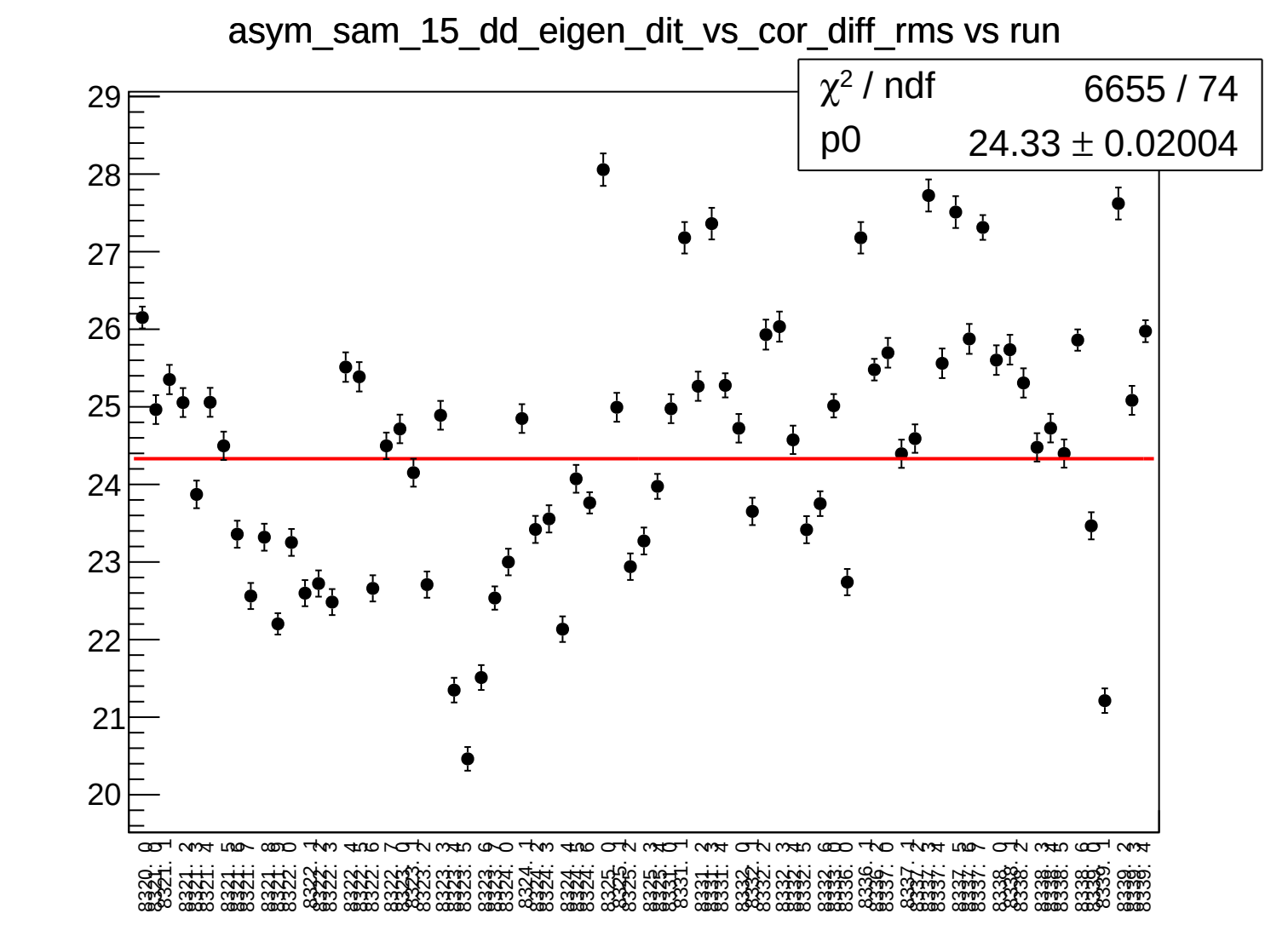

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6657 / 74
p0 24.33 ± 0.02005
29
28
27
26
25
24
23
22
21
20

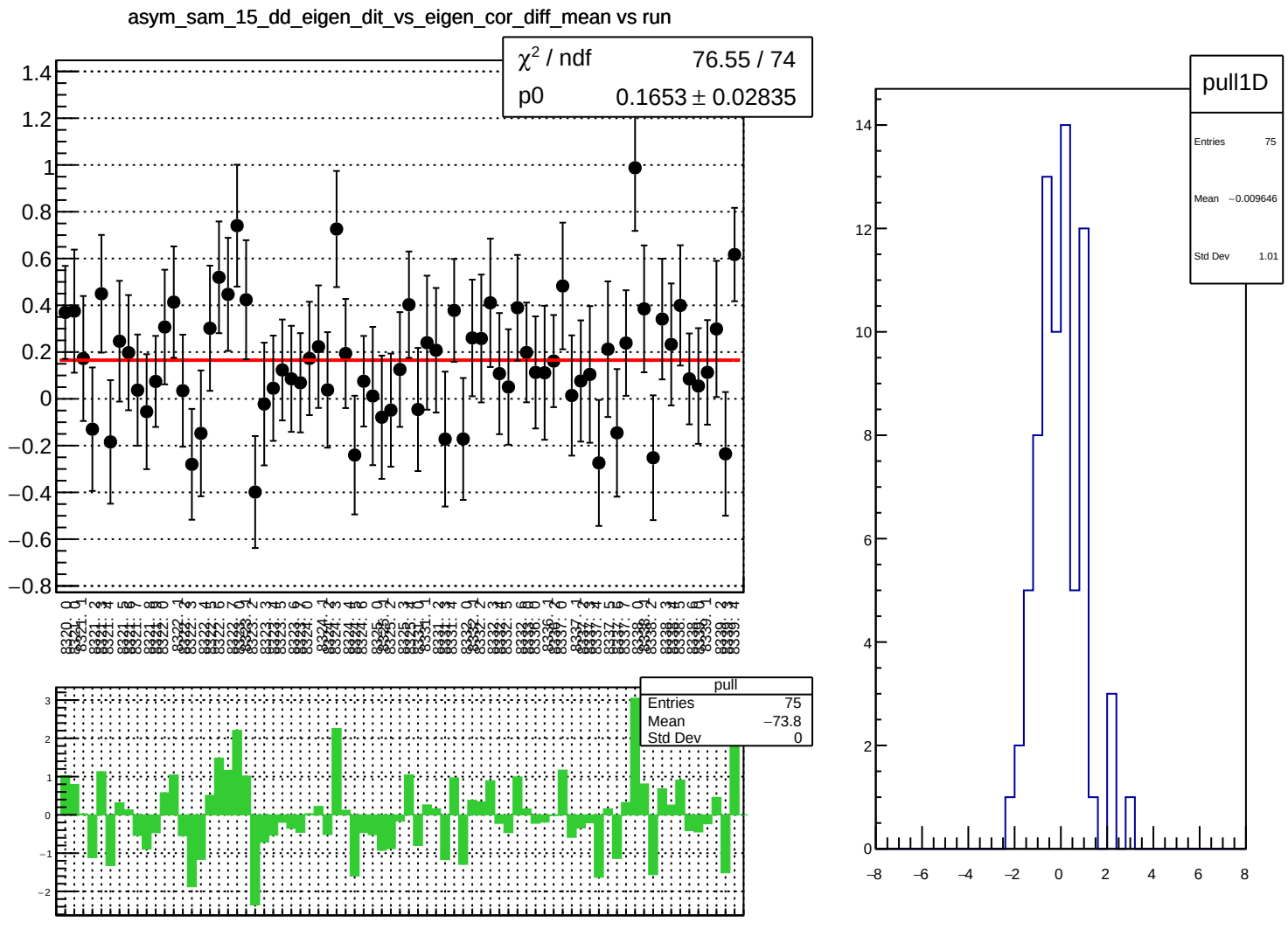

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 93.05 / 74
p0 −1.048e−05 ± 4.291e−06
pull
Entries 75
Mean −59.84
Std Dev 0

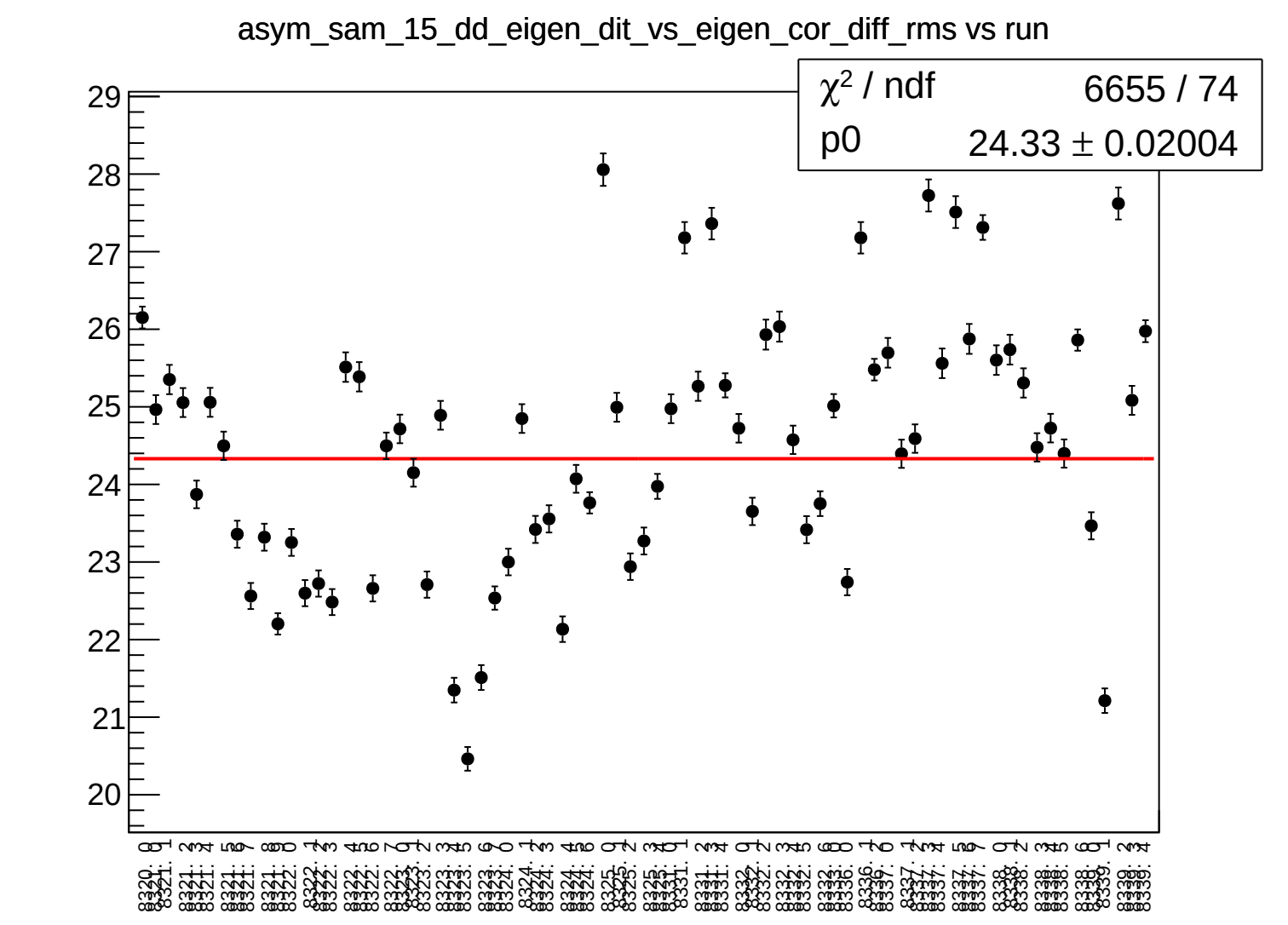

pull1D
Entries 75
Mean 0.009907
Std Dev 1.114

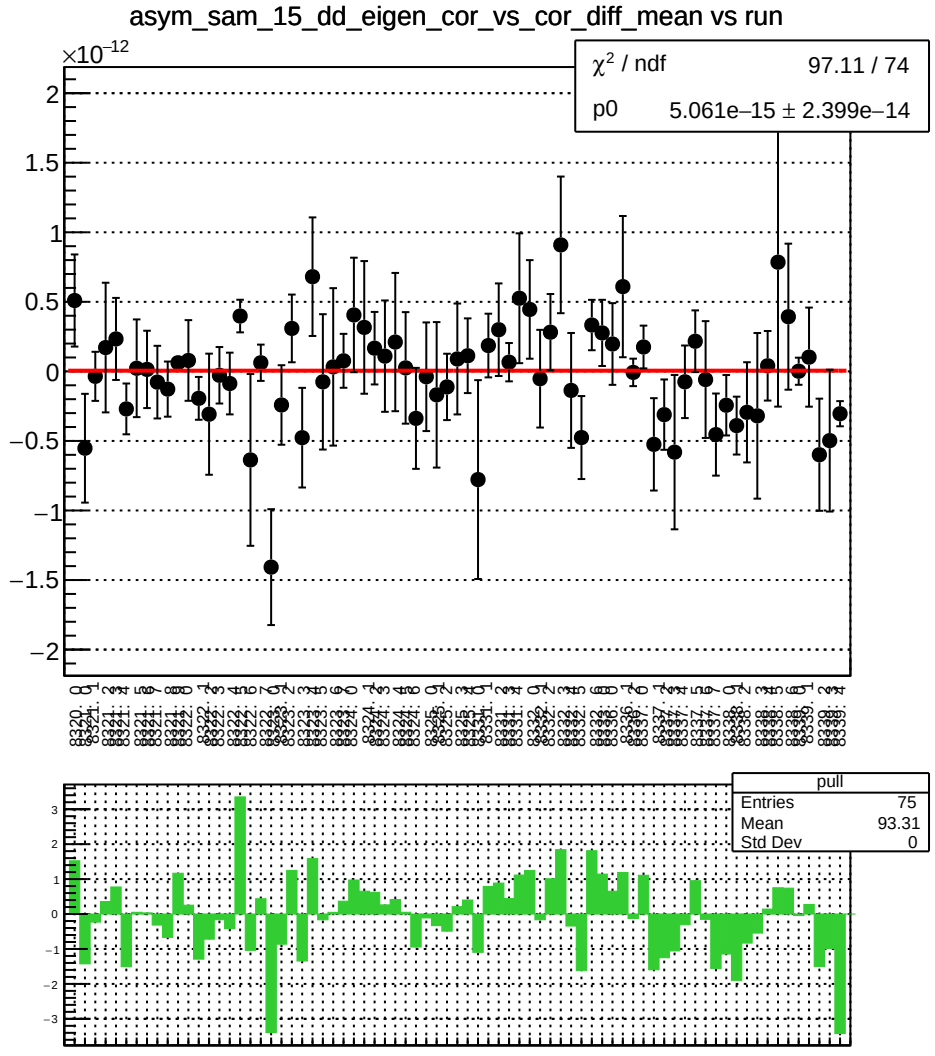

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1825 / 74
p0 0.003689 ± 3.034e−06
0.0042
0.0041
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034

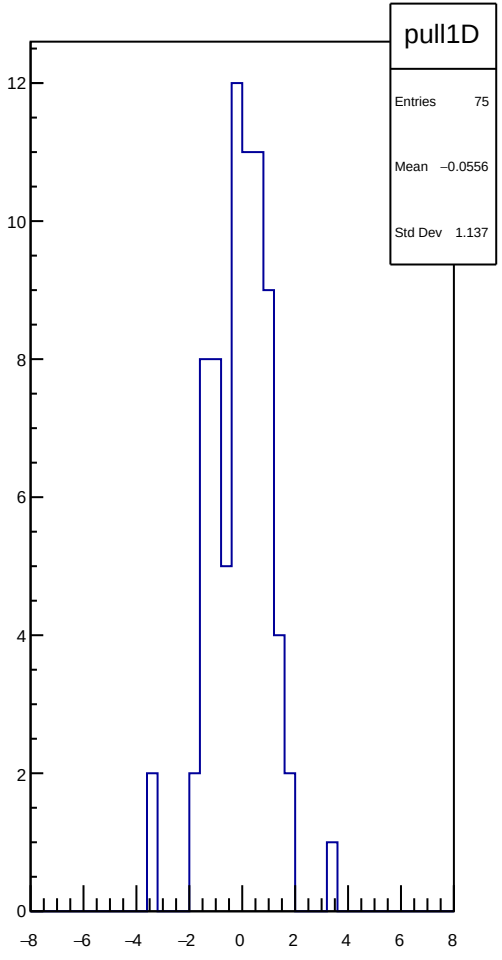

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.55 / 74
p0 0.1653 ± 0.02835
pull
Entries 75
Mean −73.8
Std Dev 0
pull1D
Entries 75
Mean −0.009646
Std Dev 1.01

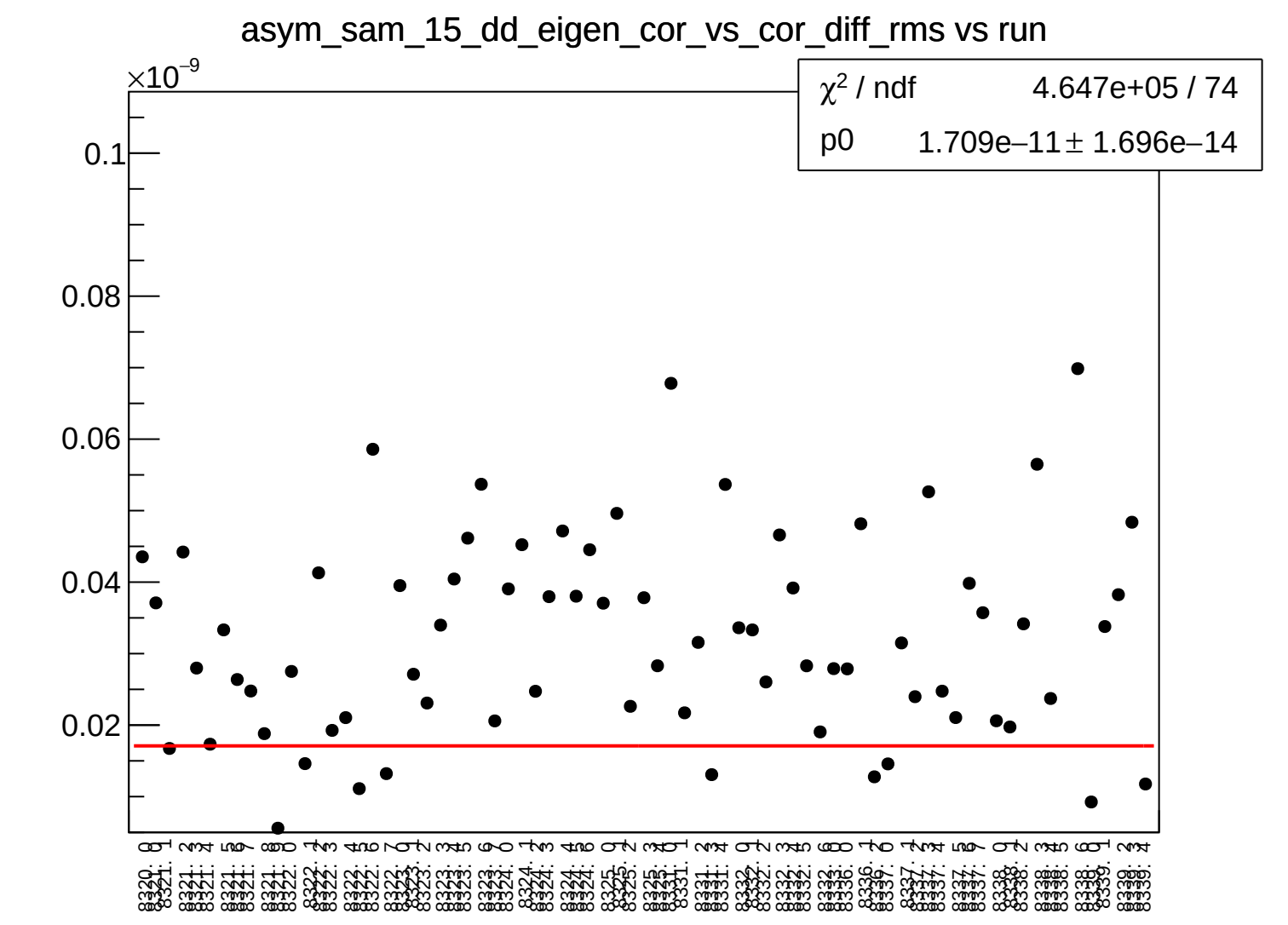

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6655 / 74
p0 24.33 ± 0.02004
29
28
27
26
25
24
23
22
21
20

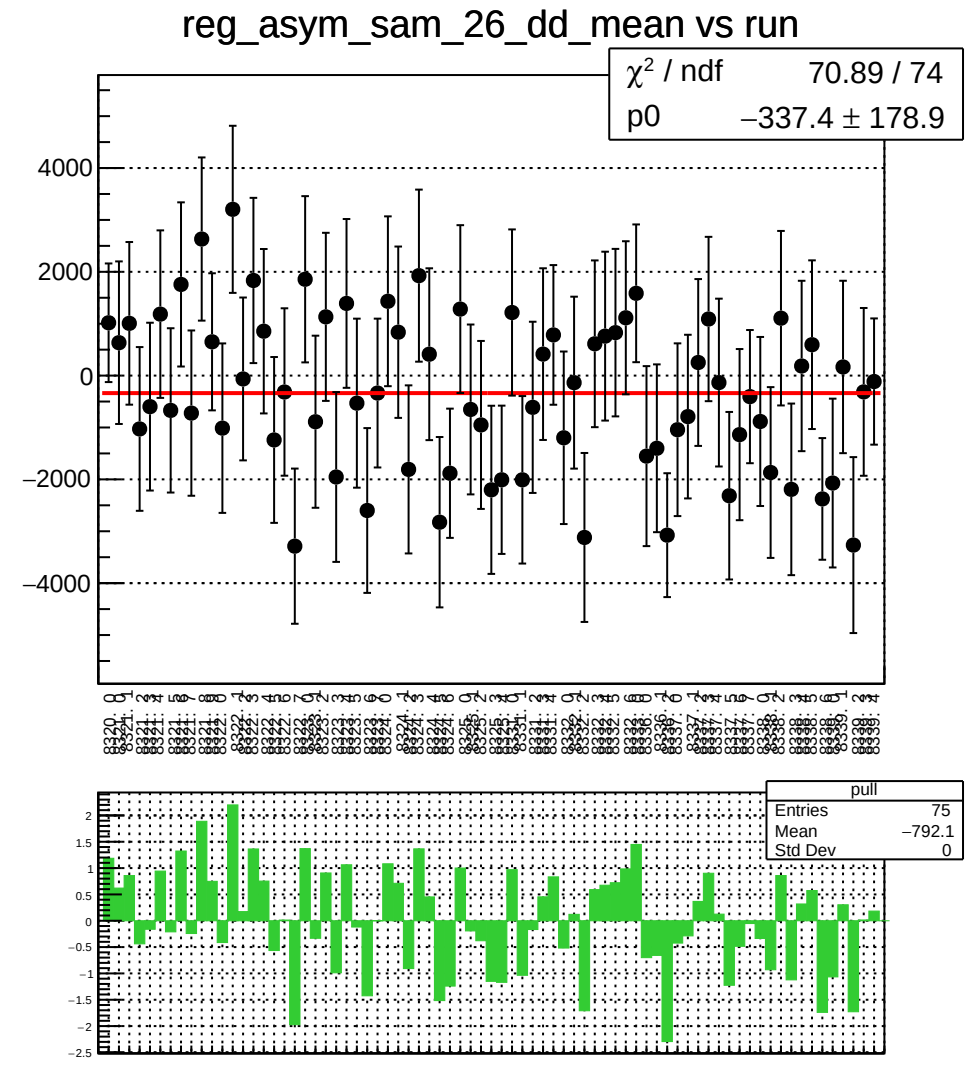

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.55 / 74
p0 0.1653 ± 0.02835
pull
Entries 75
Mean −73.8
Std Dev 0
pull1D
Entries 75
Mean −0.009646
Std Dev 1.01

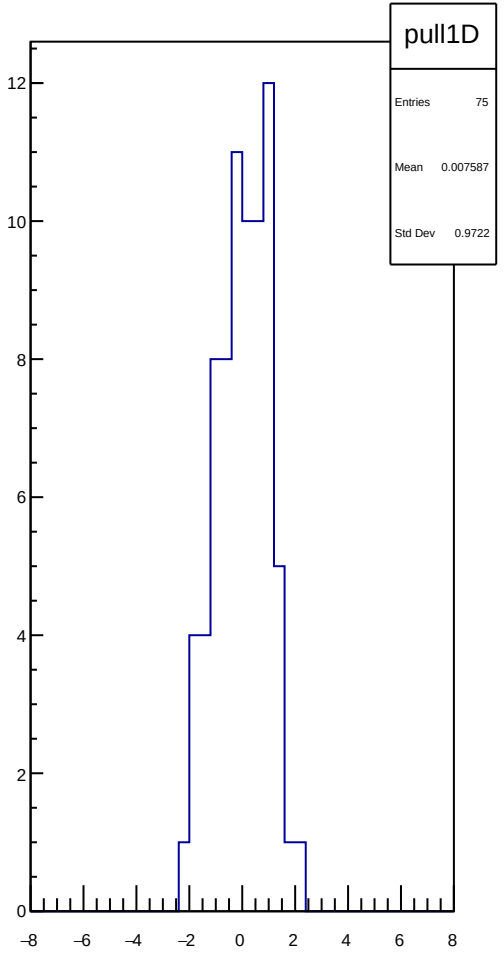

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6655 / 74
p0 24.33 ± 0.02004
29
28
27
26
25
24
23
22
21
20

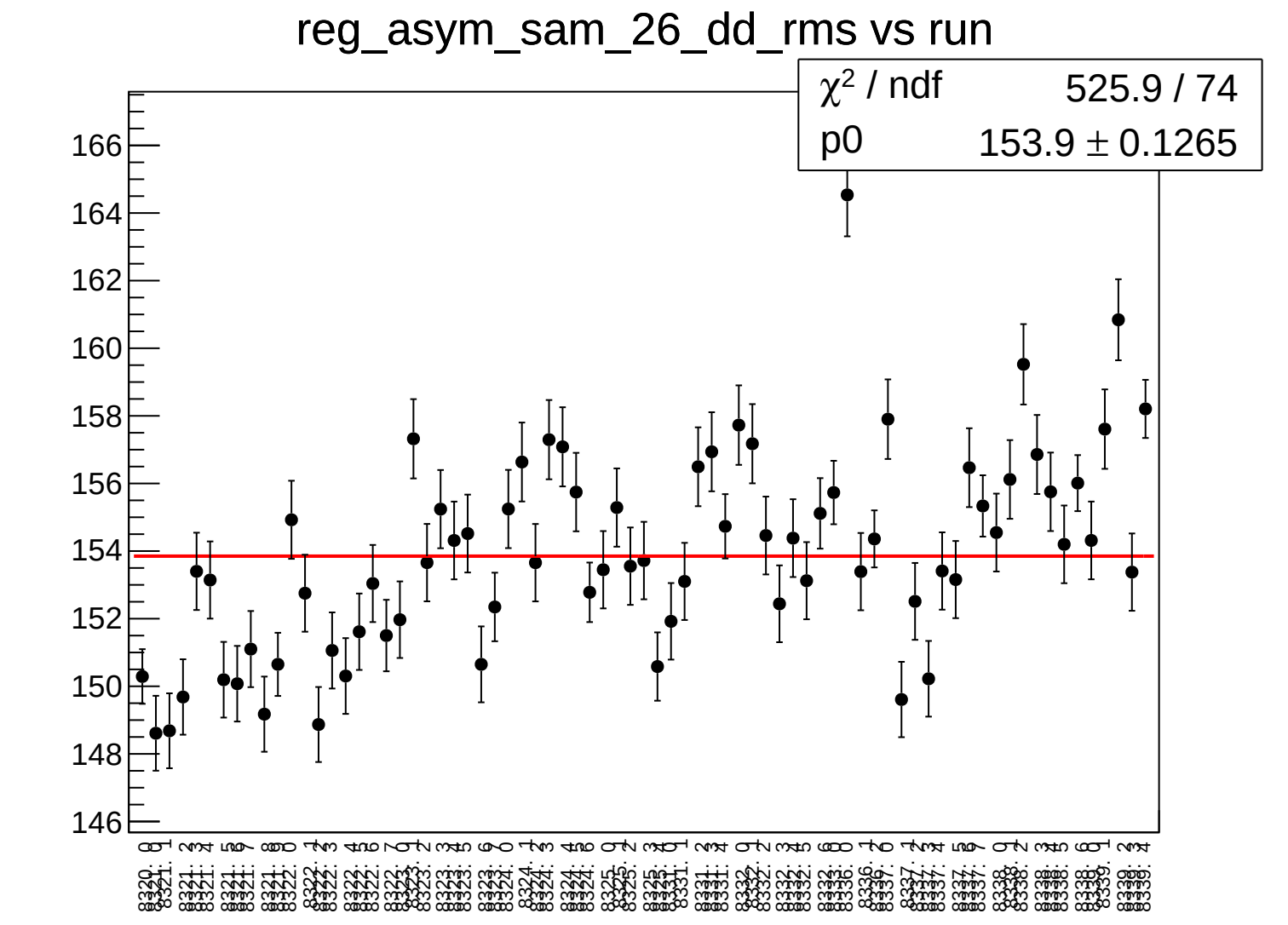

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 97.11 / 74
p0 5.061e−15 ± 2.399e−14
pull
Entries 75
Mean 93.31
Std Dev 0

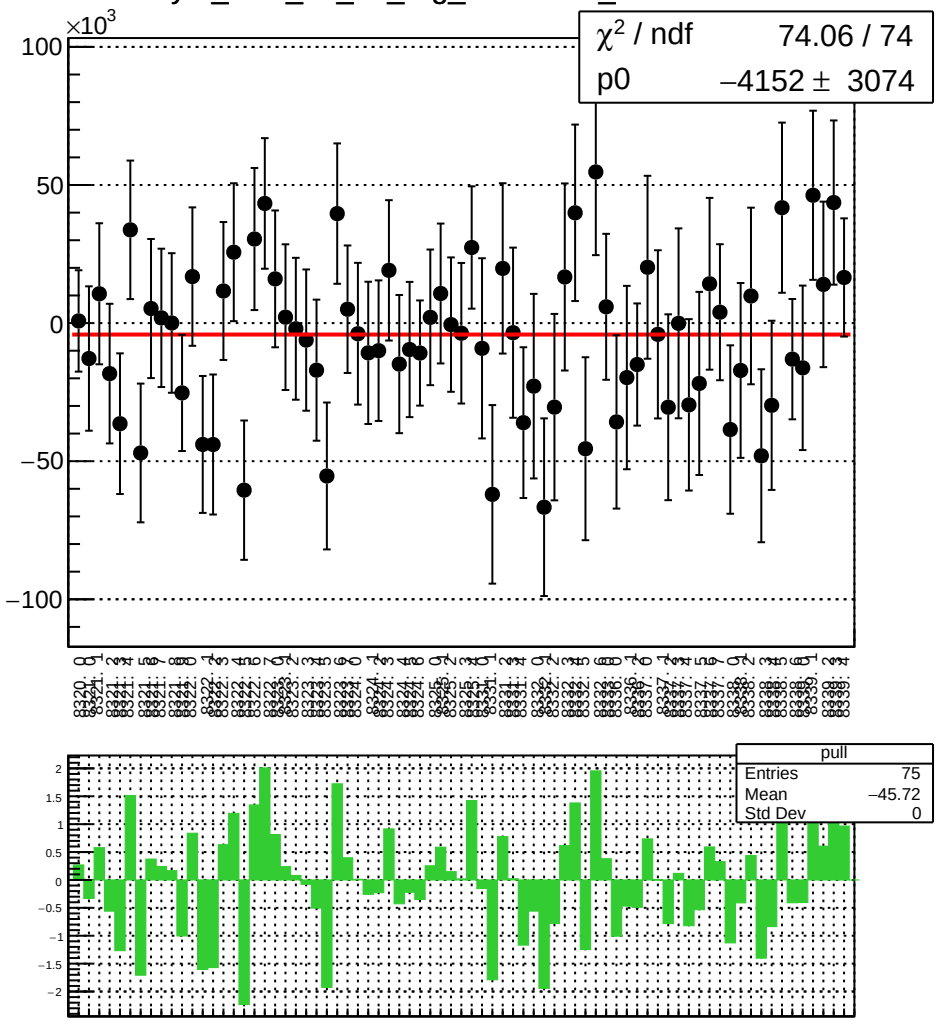

pull1D
Entries 75
Mean −0.0556
Std Dev 1.137

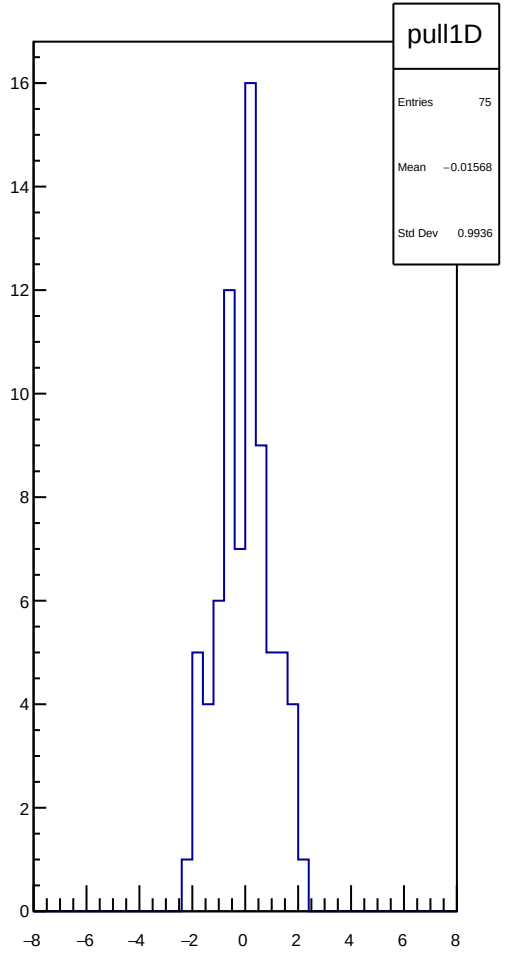

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.647e+05 / 74
p0 1.709e−11 ± 1.696e−14
0.1
0.08
0.06
0.04
0.02

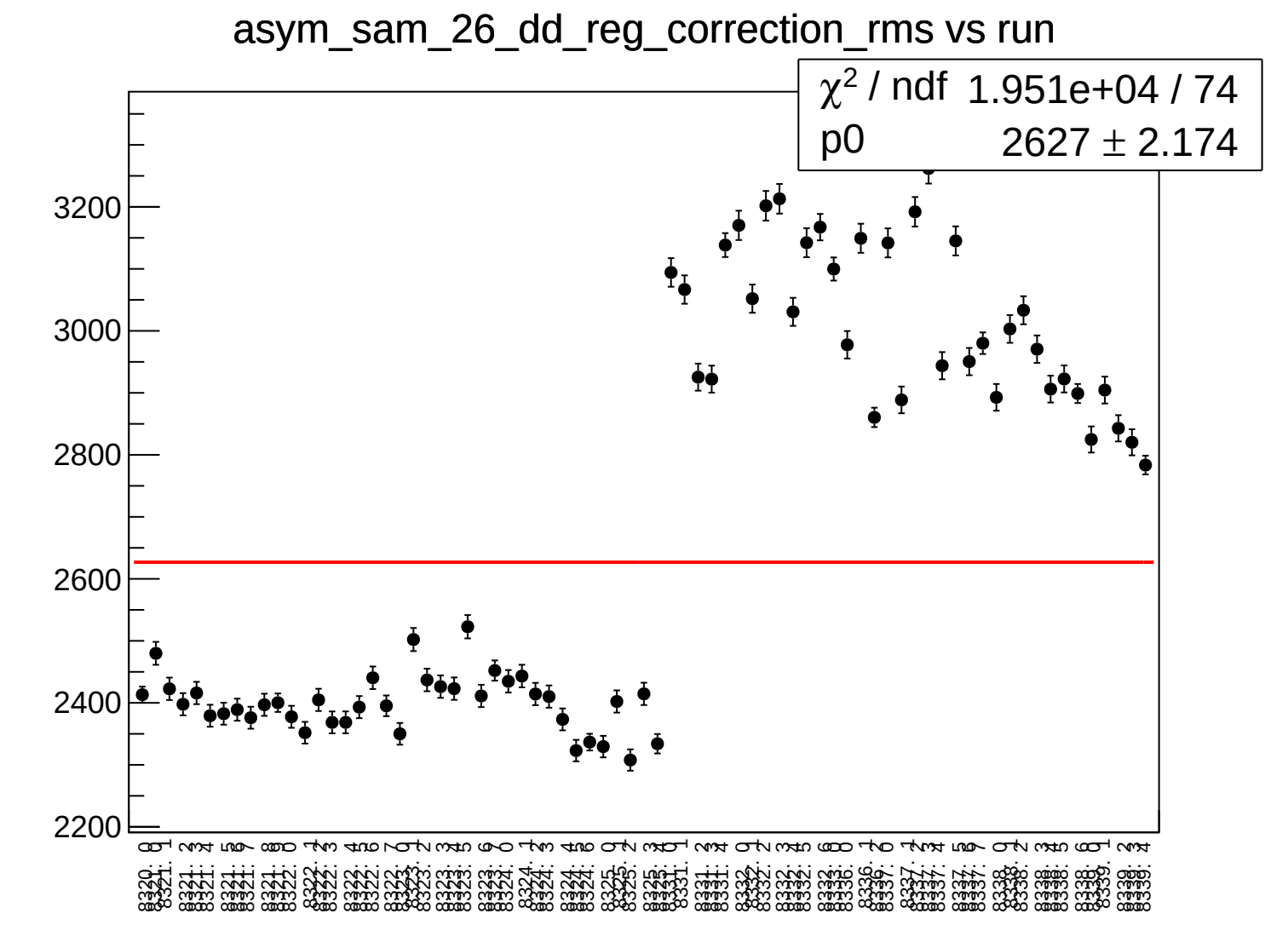

reg_asym_sam_26_dd_mean vs run
χ² / ndf 70.89 / 74
p0 −337.4 ± 178.9
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −792.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

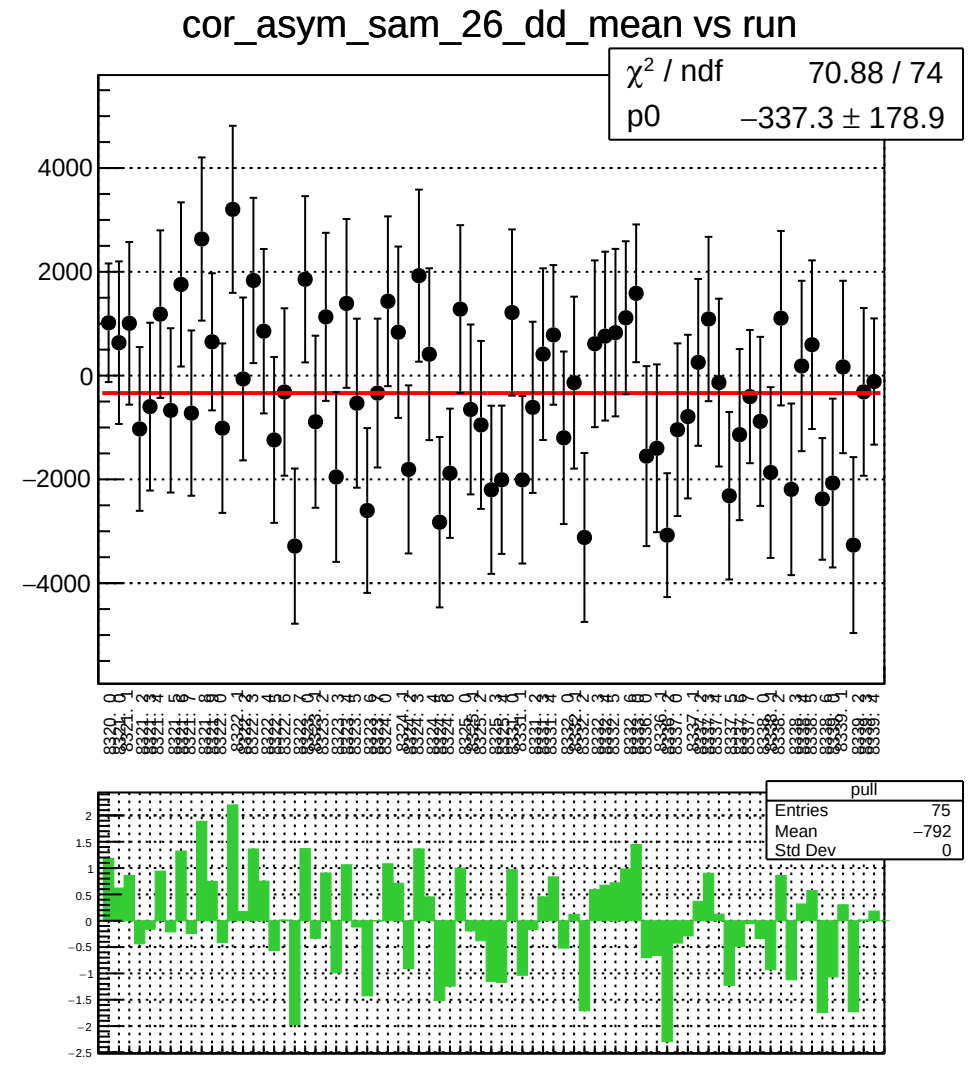

pull1D
Entries 75
Mean 0.007587
Std Dev 0.9722
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

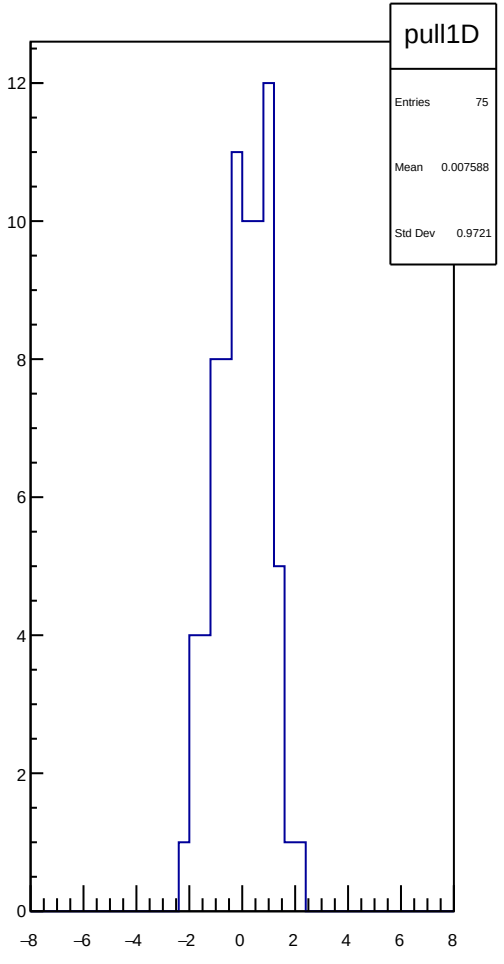

reg_asym_sam_26_dd_rms vs run
χ² / ndf 525.9 / 74
p0 153.9 ± 0.1265
166
164
162
160
158
156
154
152
150
148
146

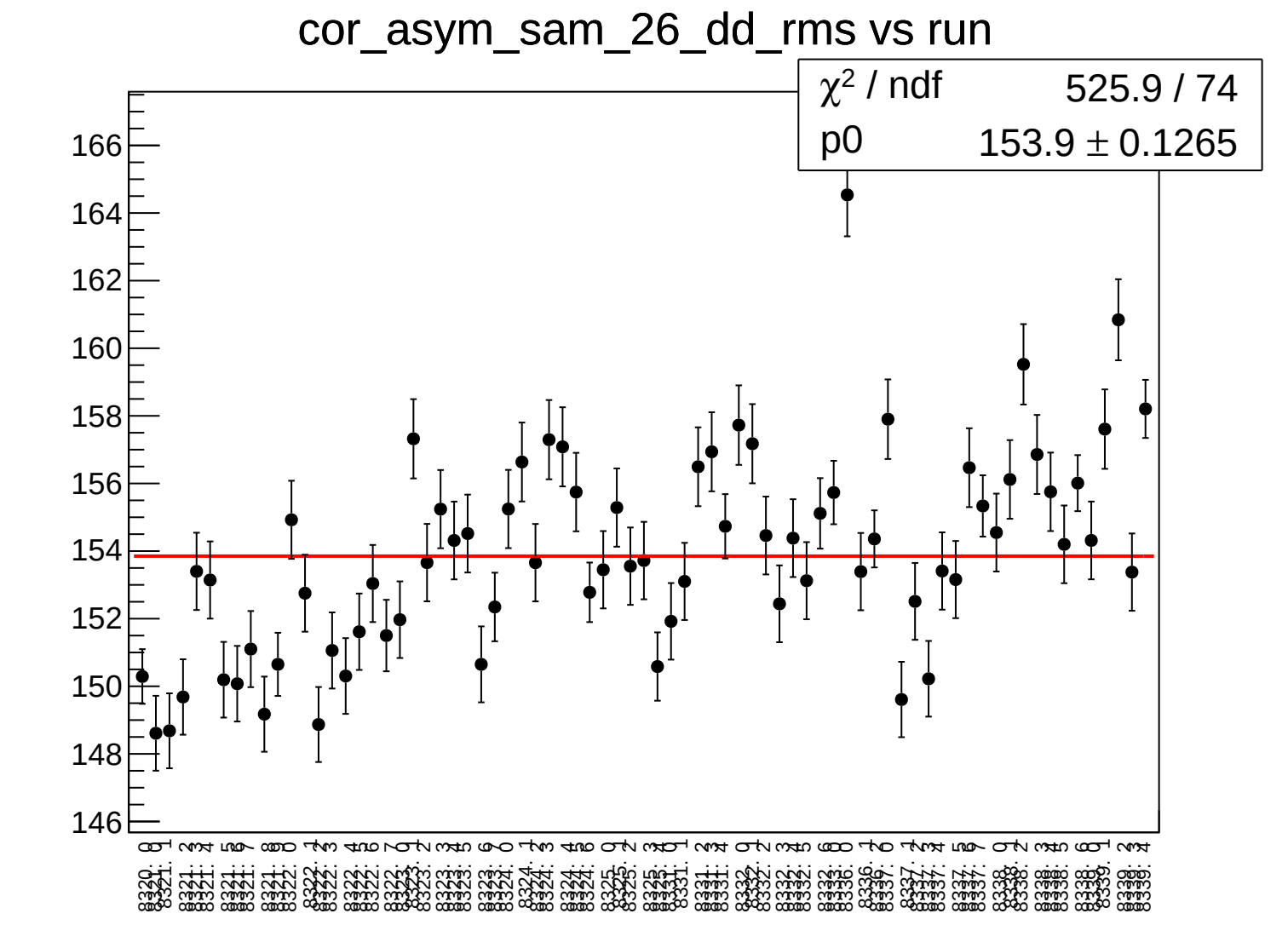

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 74.06 / 74
p0 −4152 ± 3074
100
50
0
−50
−100
pull
Entries 75
Mean −45.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

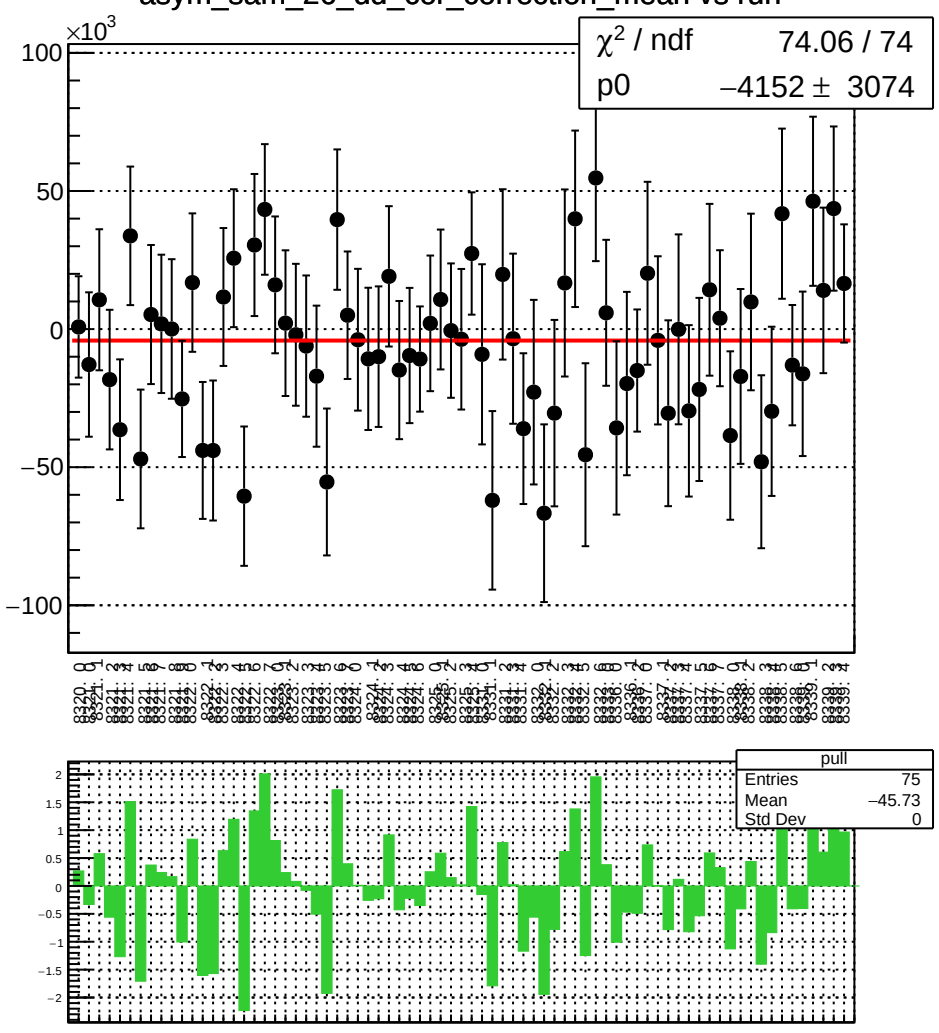

pull1D
Entries 75
Mean −0.01568
Std Dev 0.9936
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

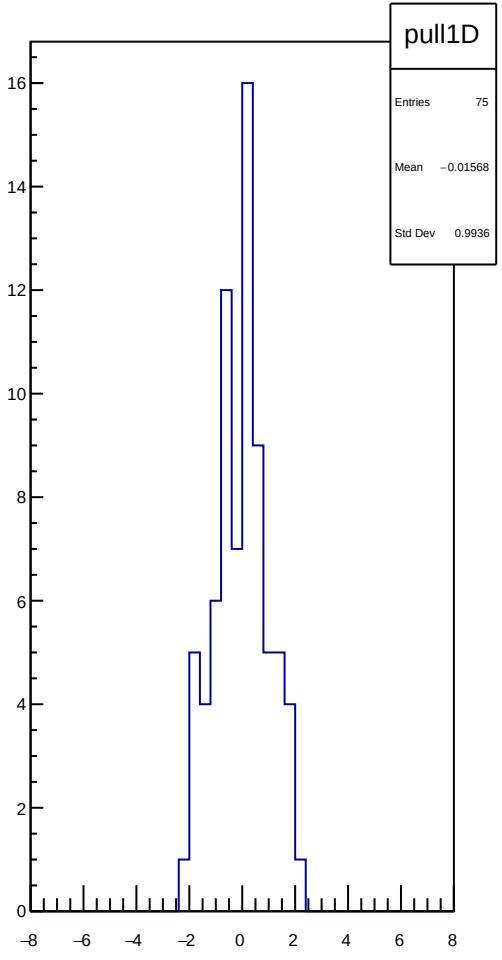

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 1.951e+04 / 74
p0 2627 ± 2.174
3200
3000
2800
2600
2400
2200

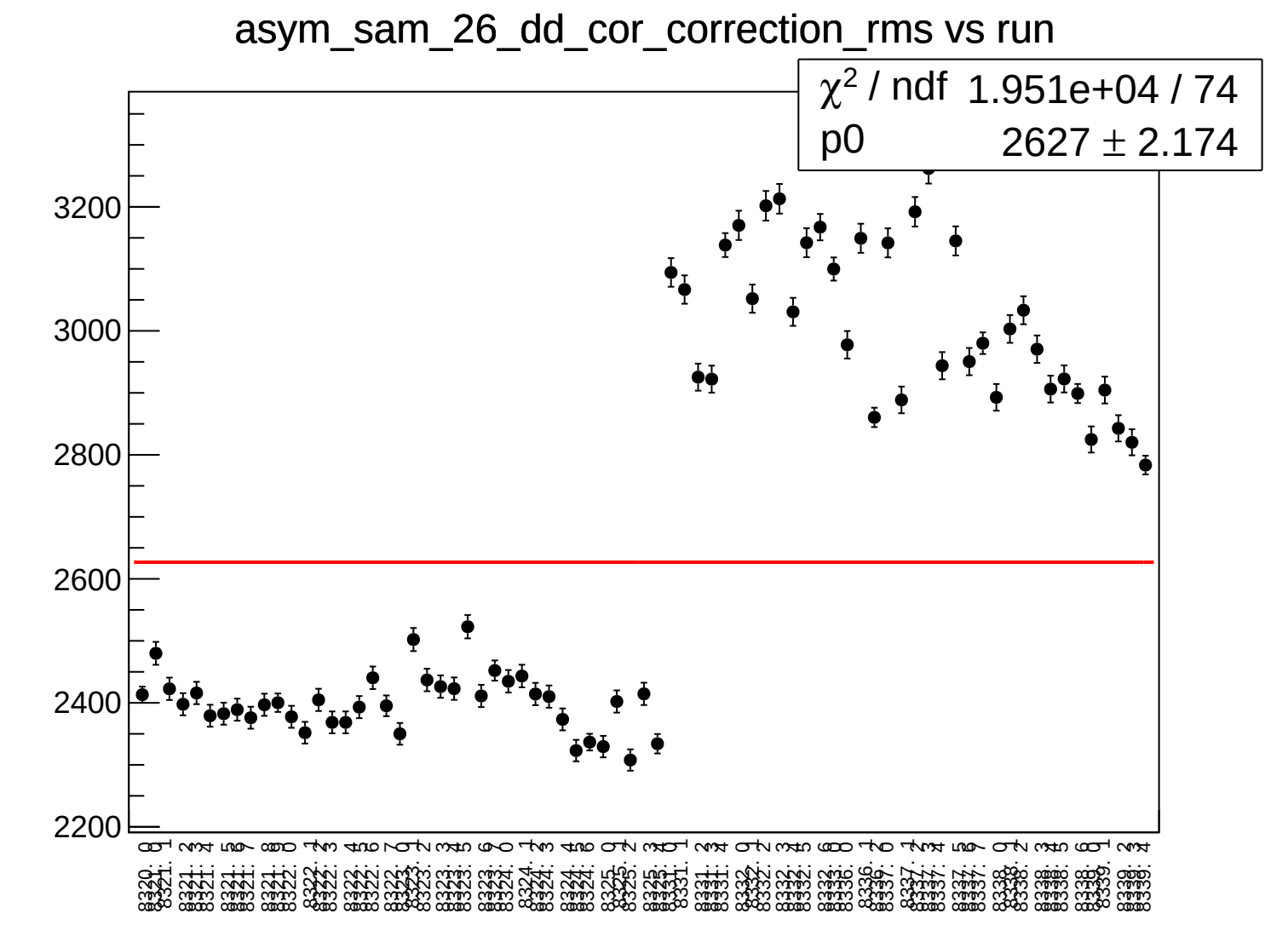

cor_asym_sam_26_dd_mean vs run
χ² / ndf 70.88 / 74
p0 −337.3 ± 178.9
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −792
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

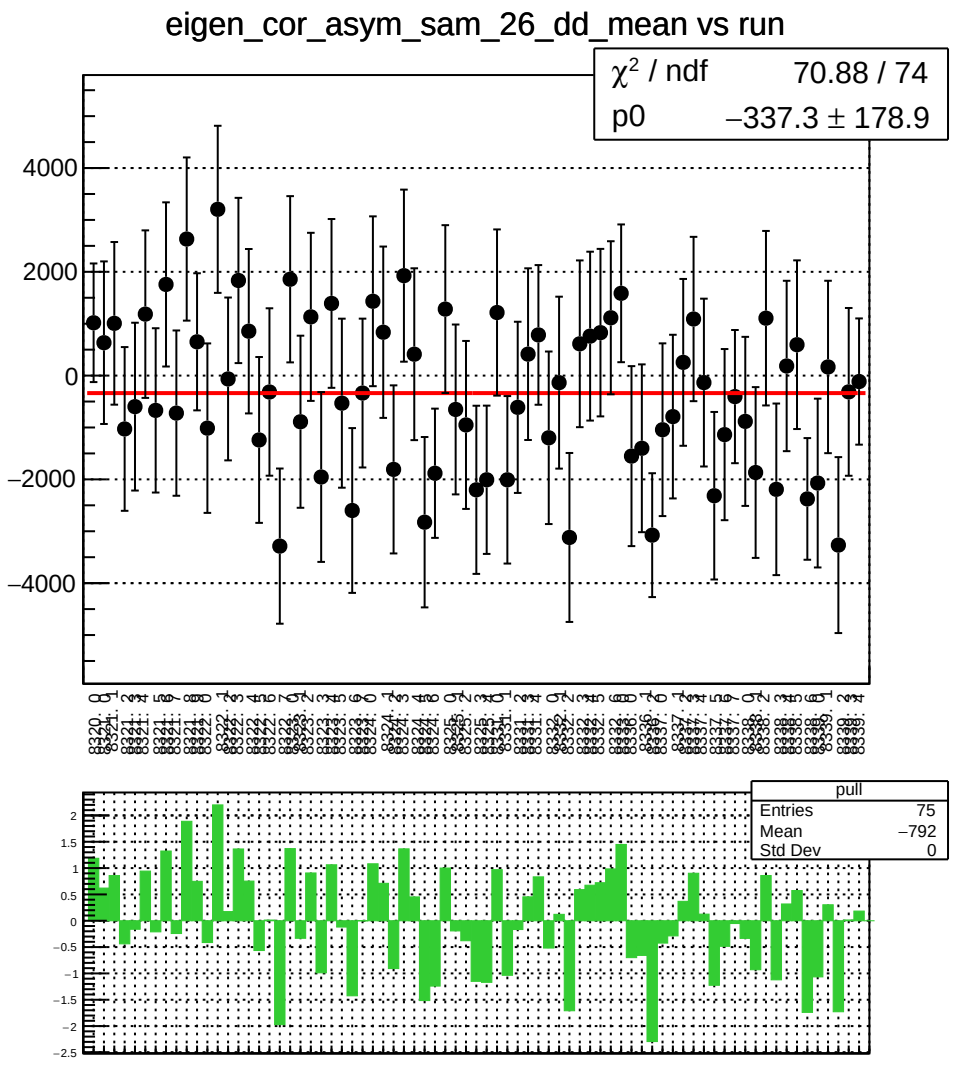

pull1D
Entries 75
Mean 0.007588
Std Dev 0.9721
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

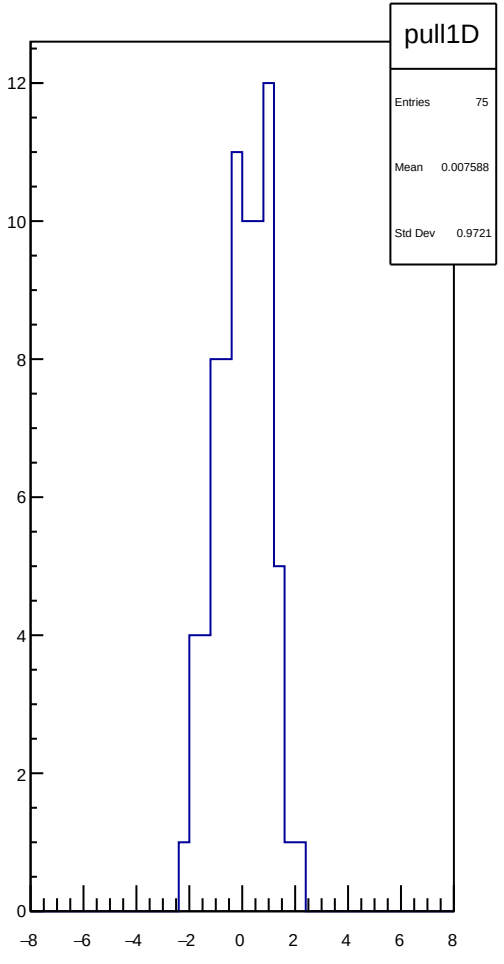

cor_asym_sam_26_dd_rms vs run
χ² / ndf 525.9 / 74
p0 153.9 ± 0.1265
166
164
162
160
158
156
154
152
150
148
146

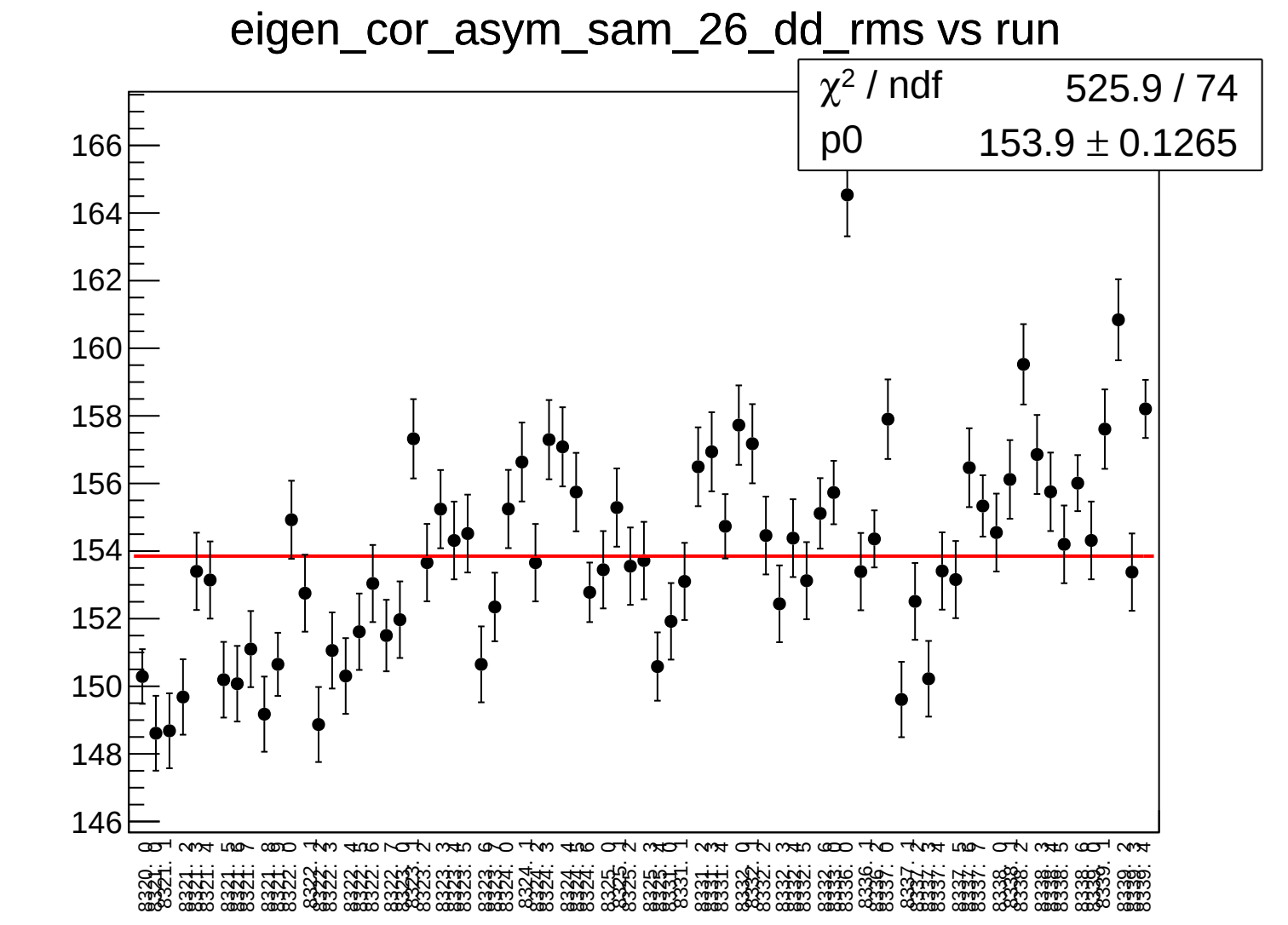

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 74.06 / 74
p0 −4152 ± 3074
pull
Entries 75
Mean −45.73
Std Dev 0

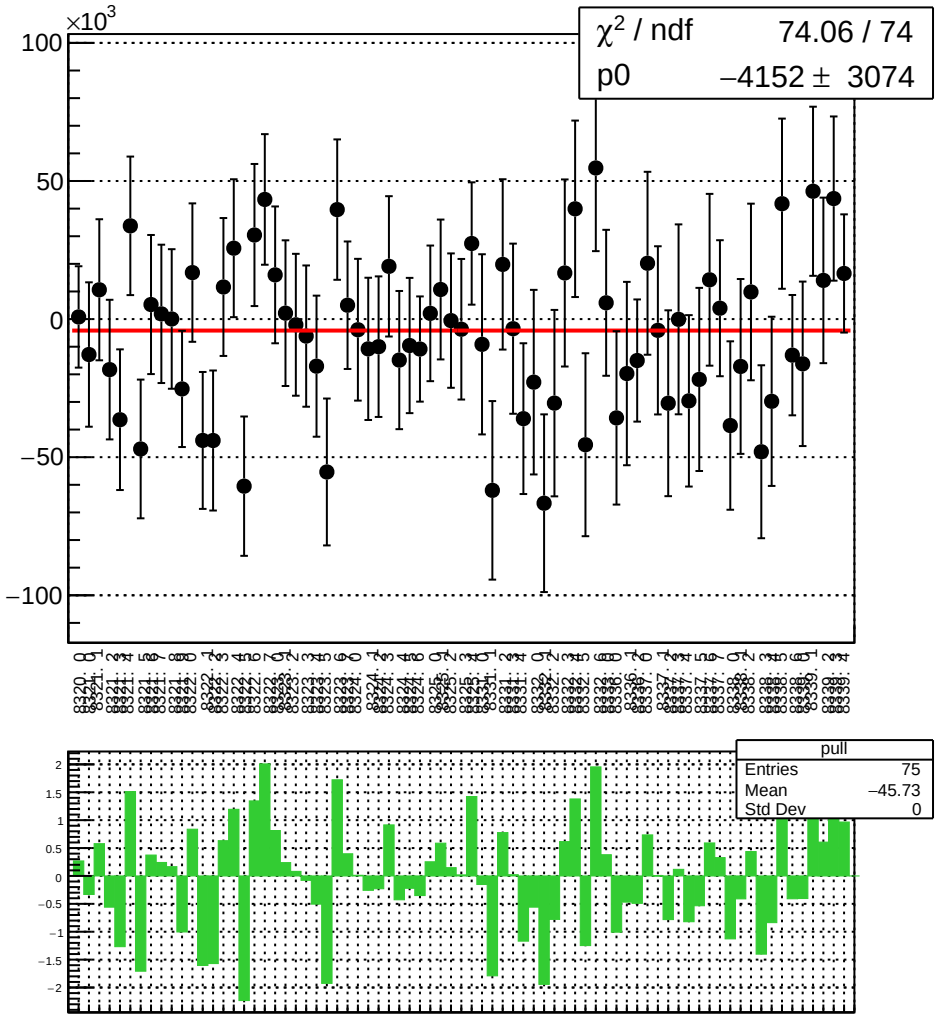

pull1D
Entries 75
Mean −0.01568
Std Dev 0.9936

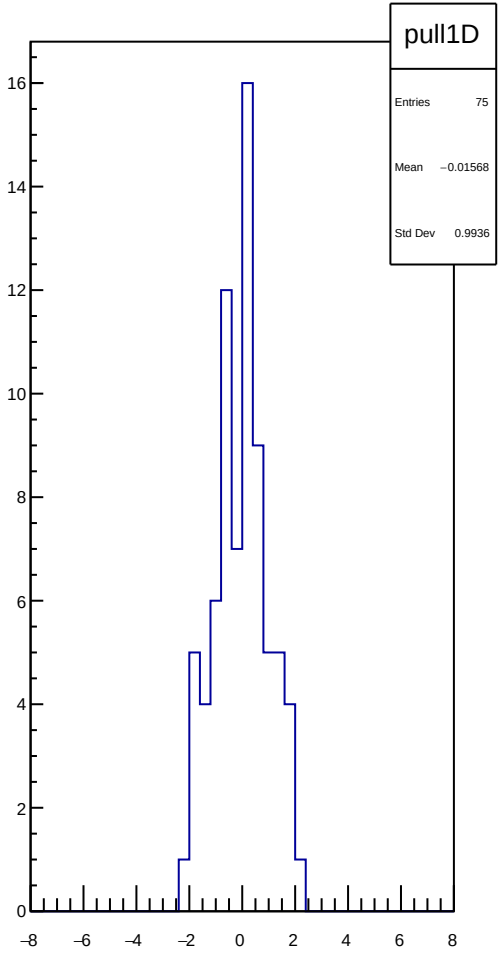

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 1.951e+04 / 74
p0 2627 ± 2.174
3200
3000
2800
2600
2400
2200

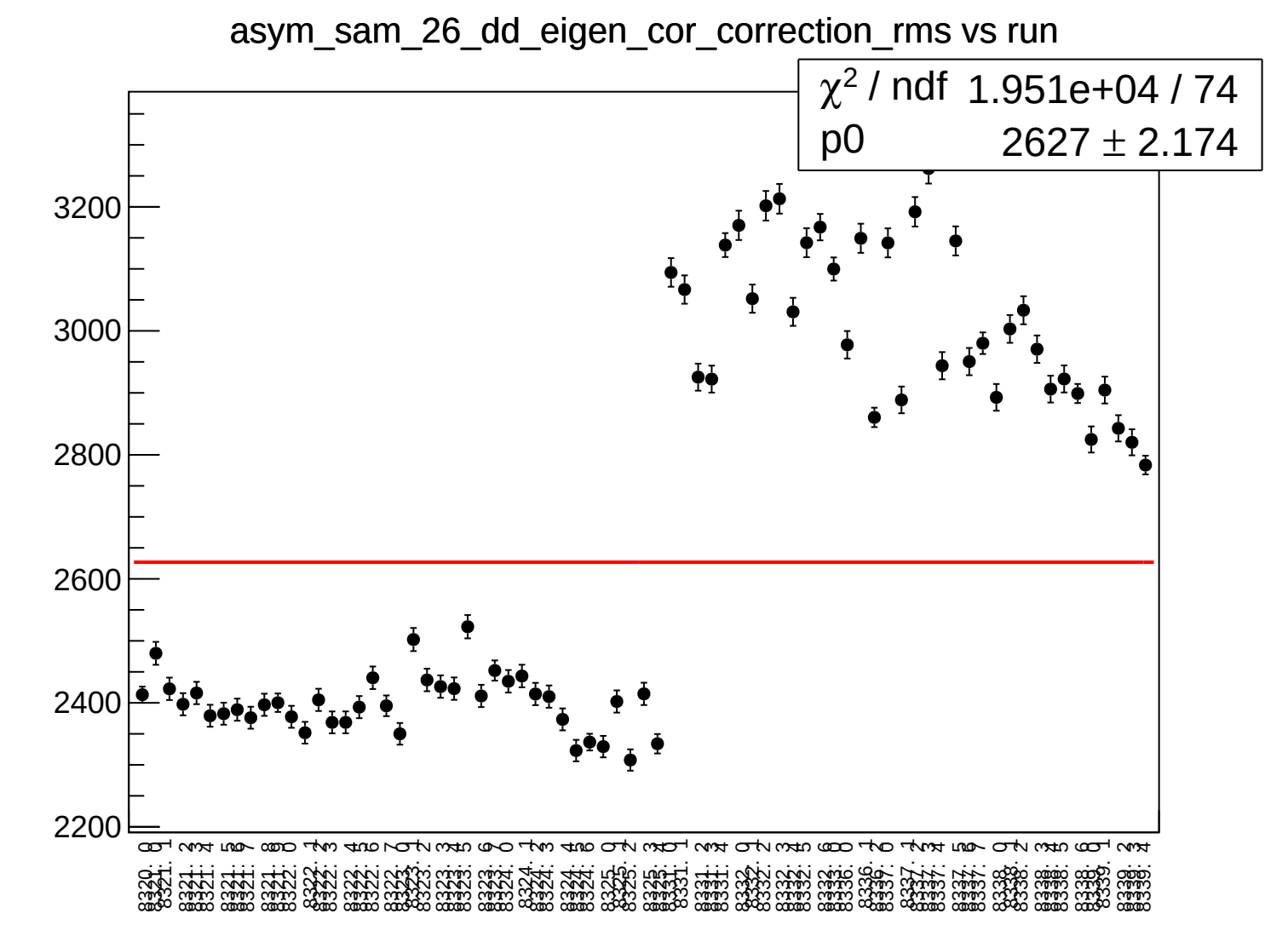

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 70.88 / 74
p0 −337.3 ± 178.9
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −792
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

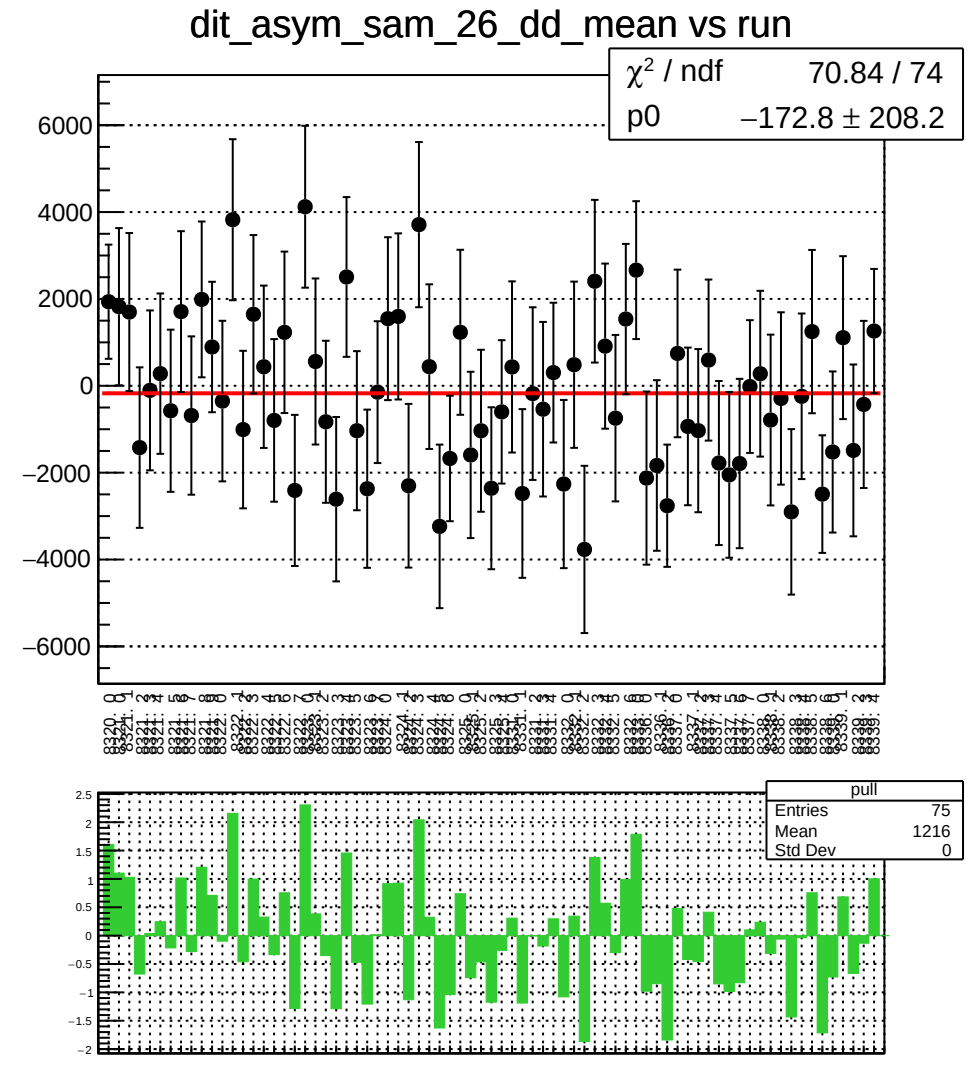

pull1D
Entries 75
Mean 0.007588
Std Dev 0.9721
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

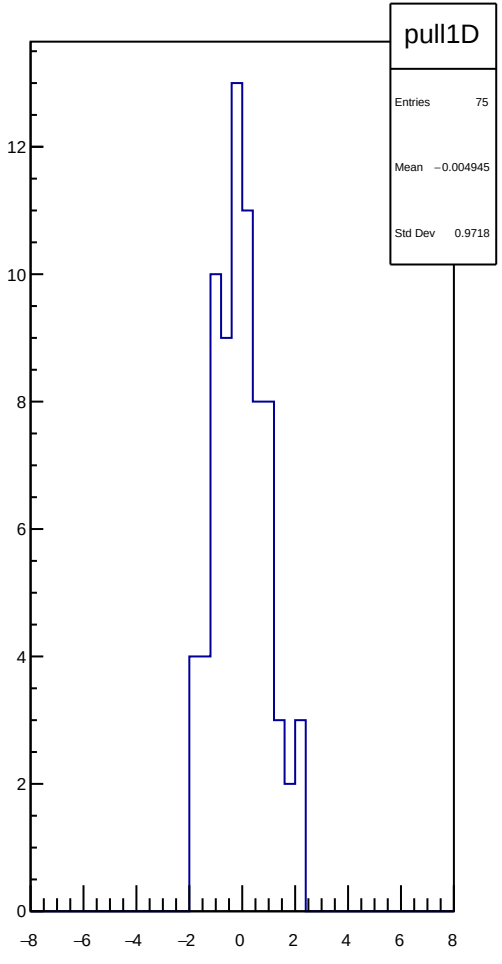

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 525.9 / 74
p0 153.9 ± 0.1265
166
164
162
160
158
156
154
152
150
148
146

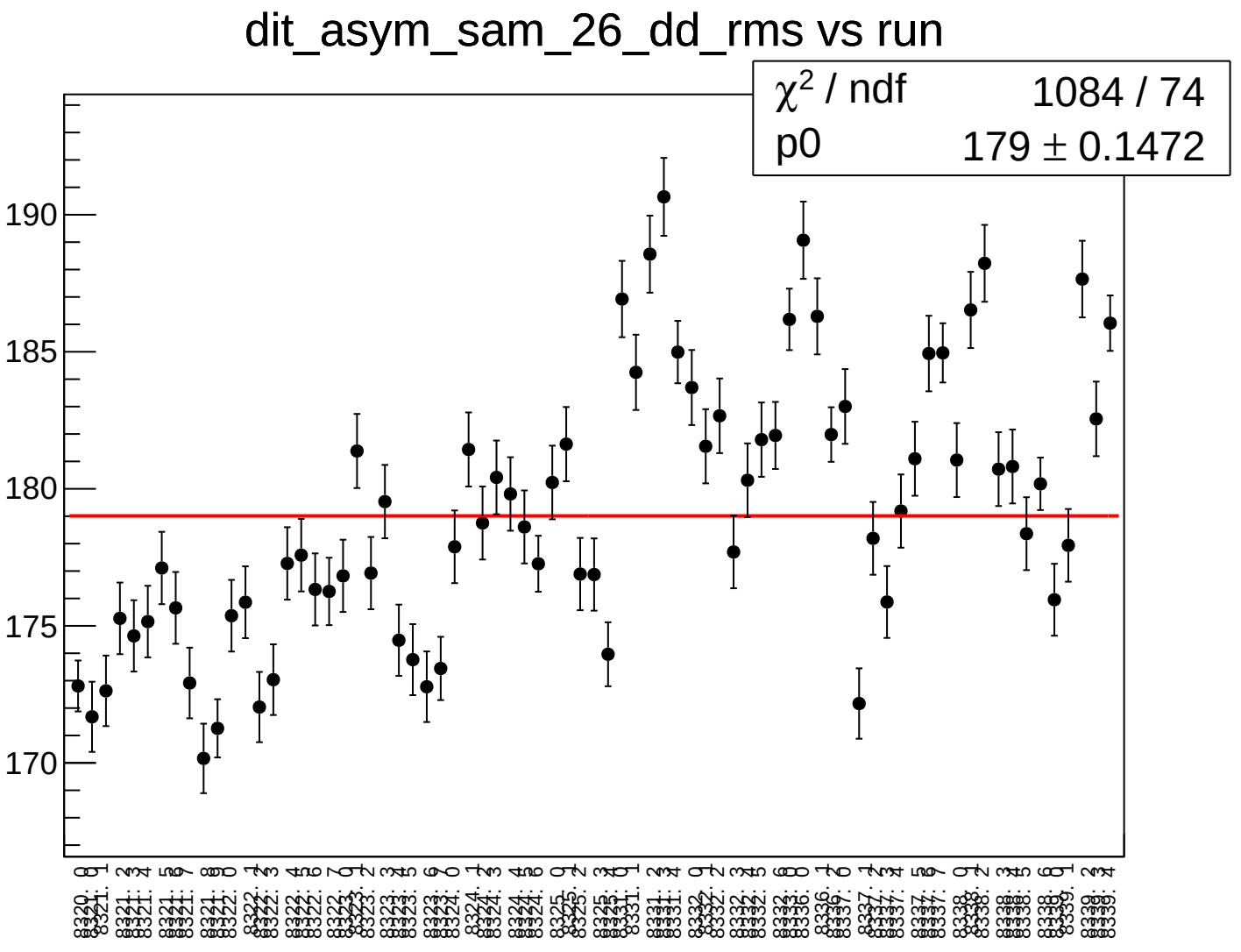

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 74.06 / 74
p0 −4152 ± 3074
pull
Entries 75
Mean −45.73
Std Dev 0

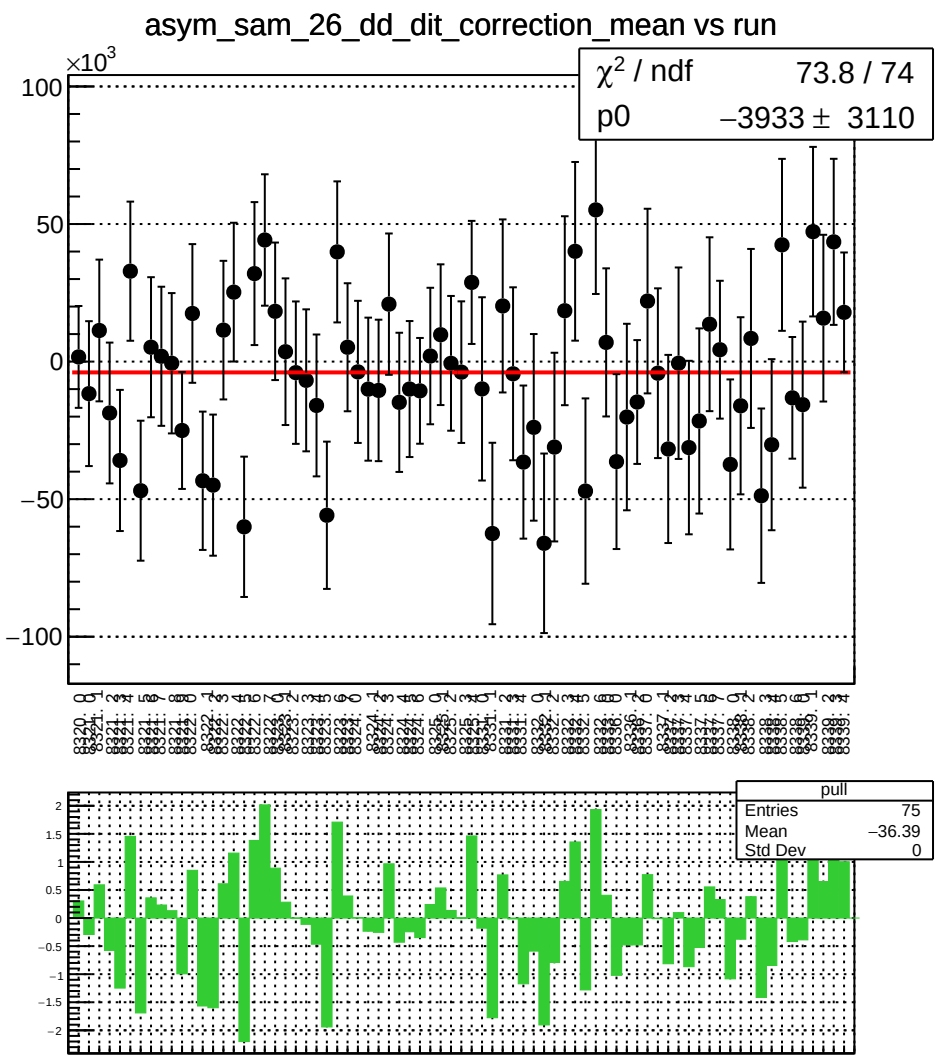

pull1D
Entries 75
Mean −0.01568
Std Dev 0.9936

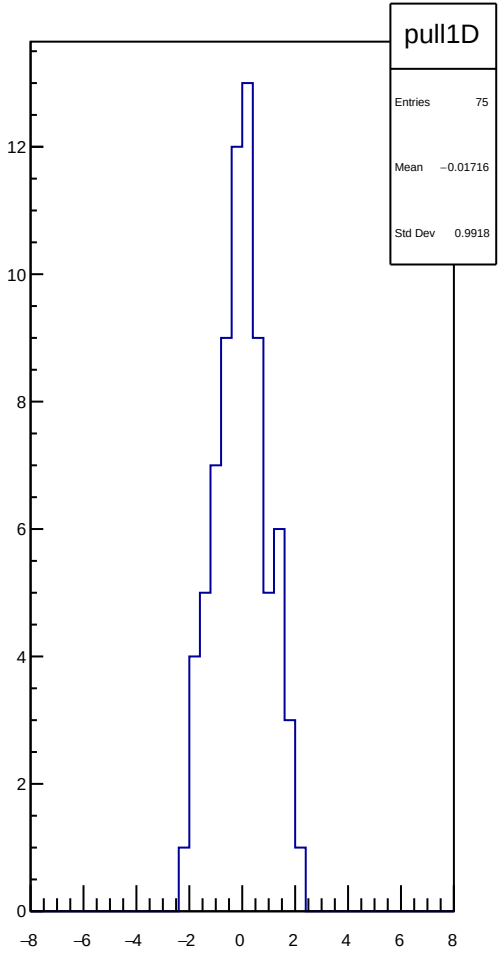

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1.951e+04 / 74
p0 2627 ± 2.174
3200
3000
2800
2600
2400
2200

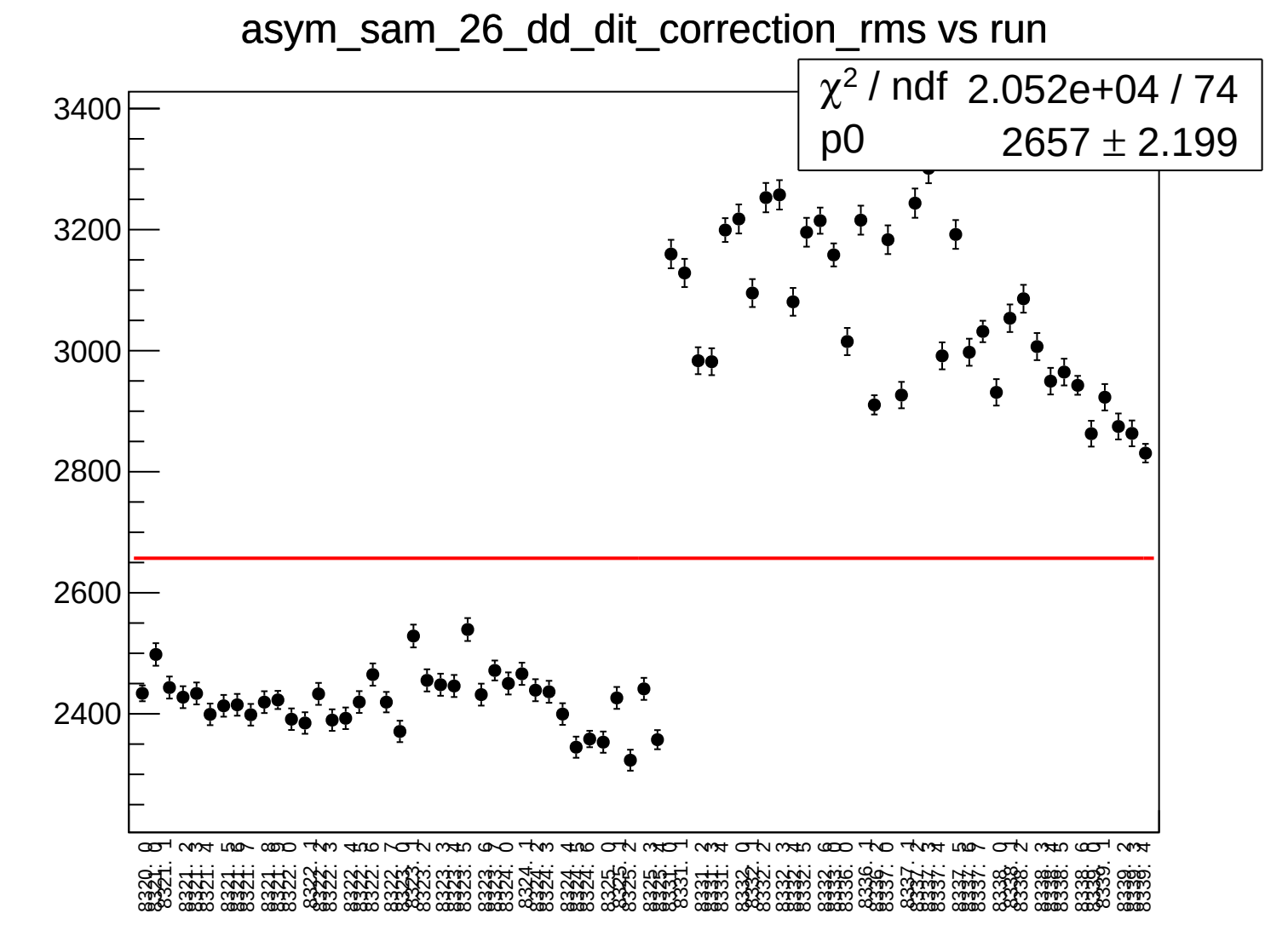

dit_asym_sam_26_dd_mean vs run
χ² / ndf 70.84 / 74
p0 −172.8 ± 208.2
pull
Entries 75
Mean 1216
Std Dev 0

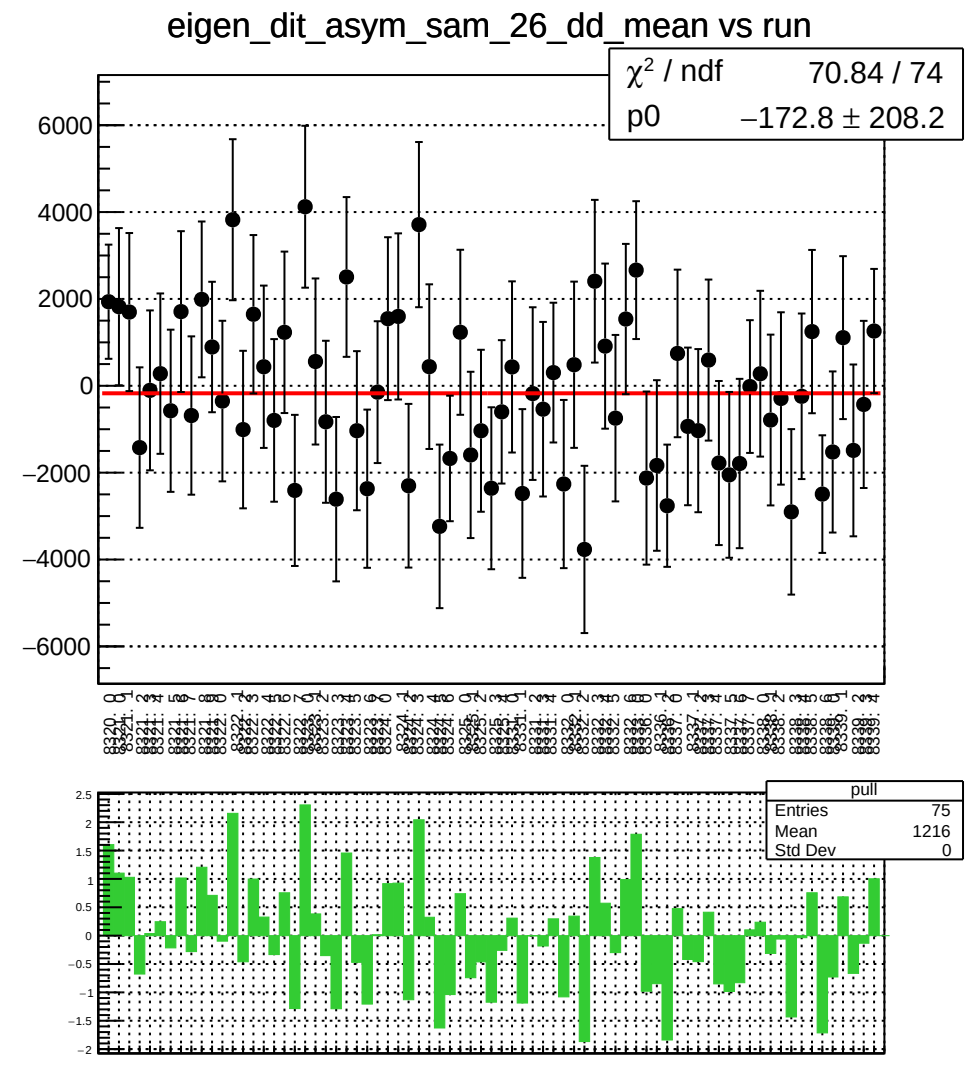

pull1D
Entries 75
Mean −0.004945
Std Dev 0.9718

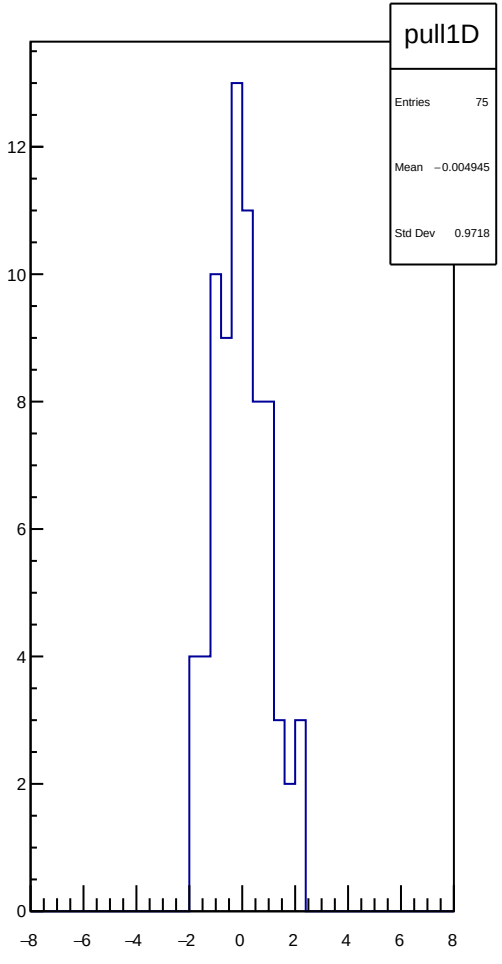

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 1084 / 74
p0 179 ± 0.1472
190
185
180
175
170

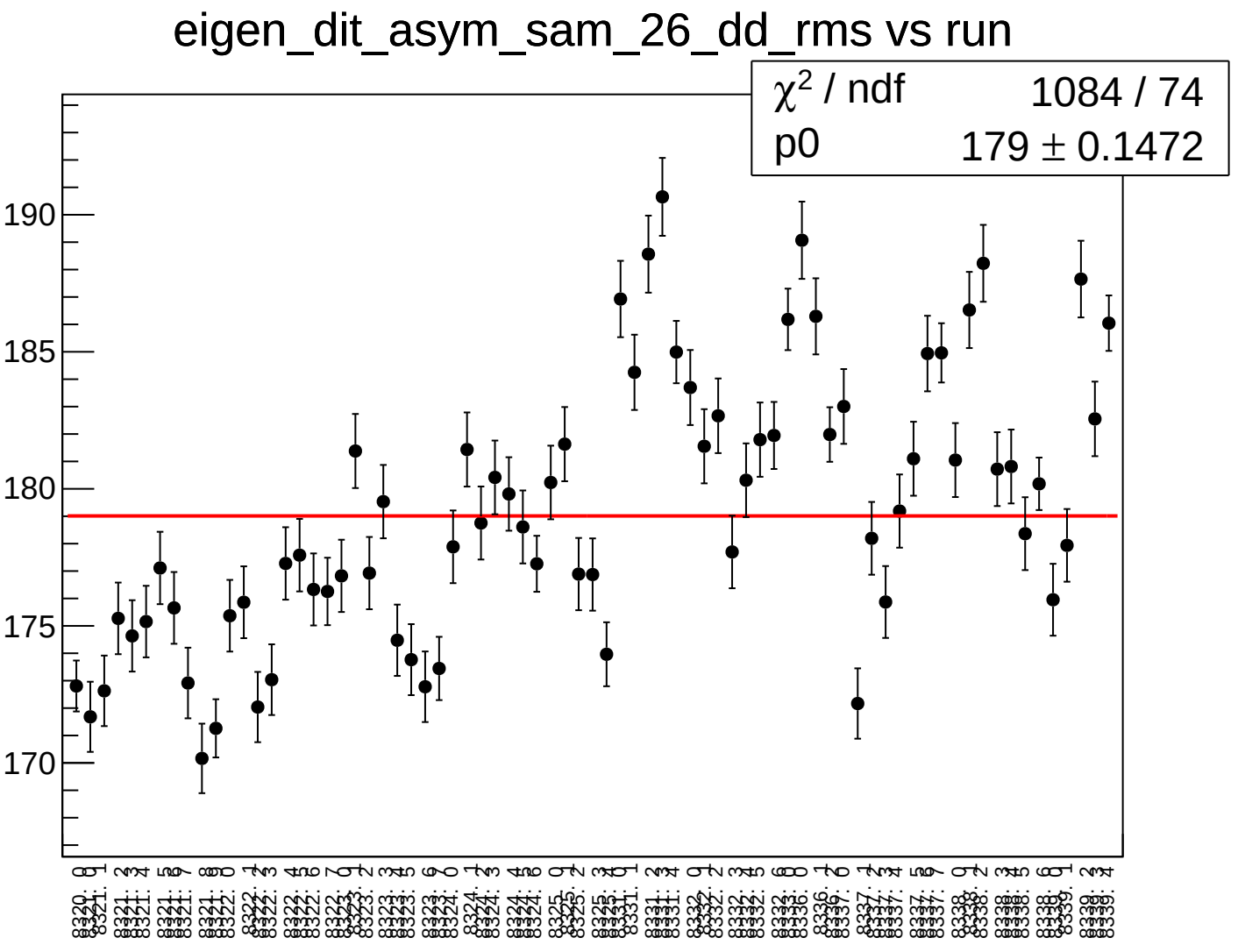

asym_sam_26_dd_dit_correction_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 73.8 / 74
p0 −3933 ± 3110
pull
Entries 75
Mean −36.39
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

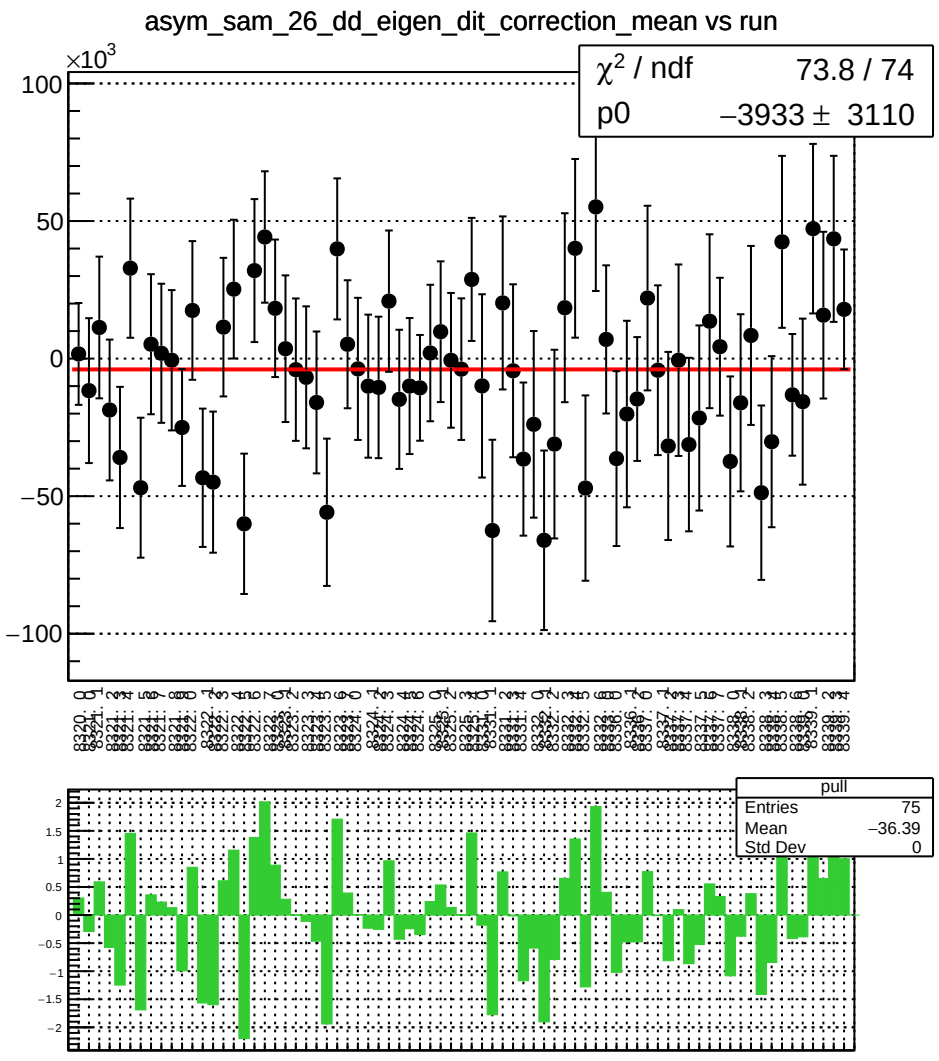

pull1D
Entries 75
Mean −0.01716
Std Dev 0.9918
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

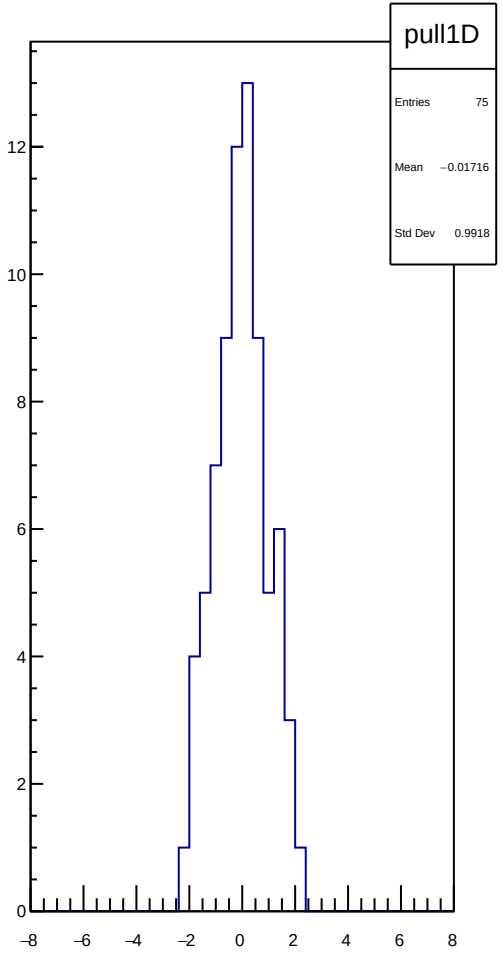

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 2.052e+04 / 74
p0 2657 ± 2.199
3400
3200
3000
2800
2600
2400

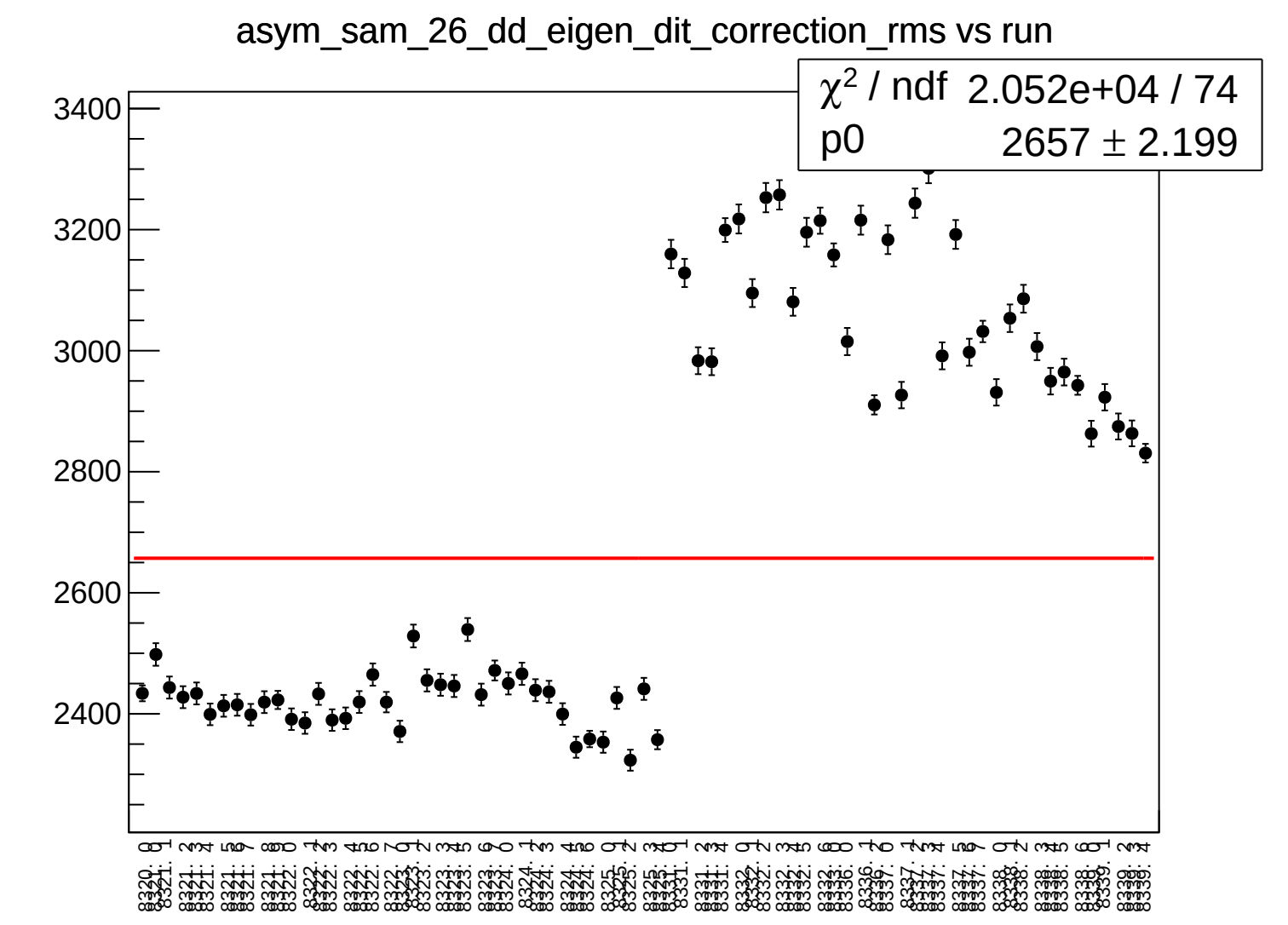

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 70.84 / 74
p0 −172.8 ± 208.2
pull
Entries 75
Mean 1216
Std Dev 0

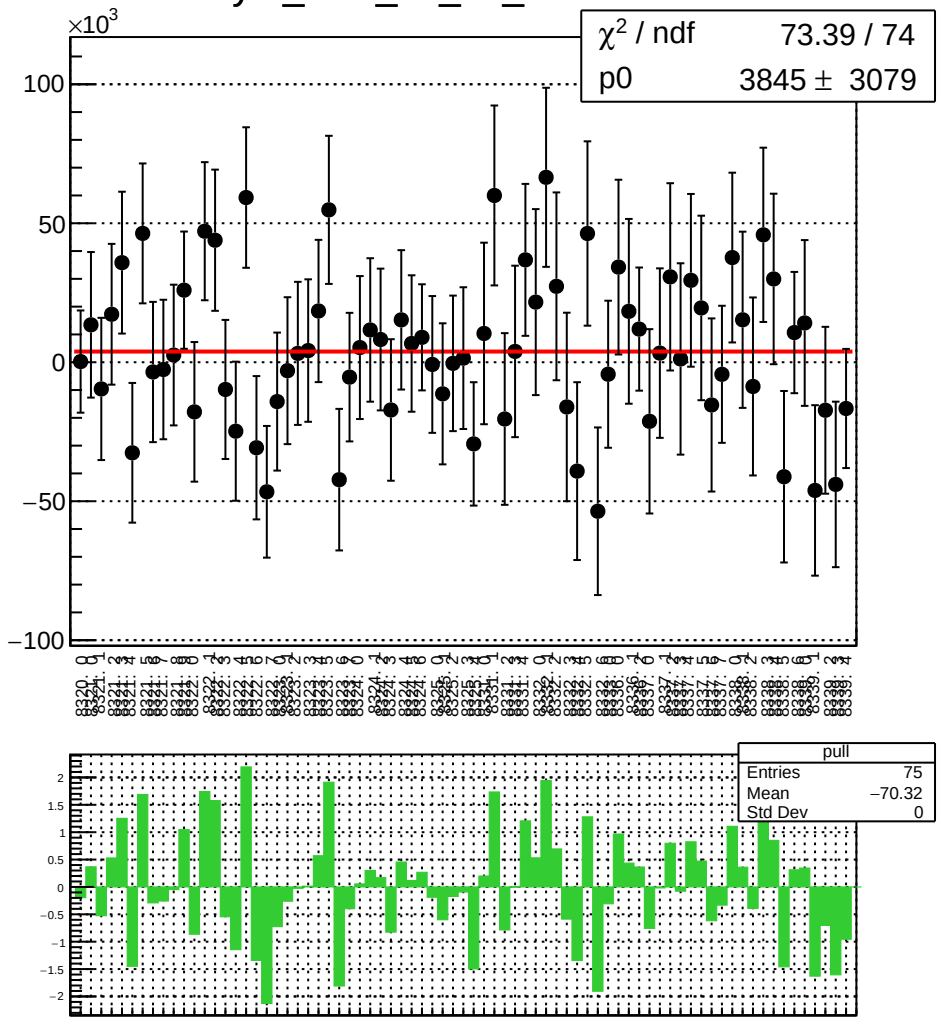

pull1D
Entries 75
Mean −0.004945
Std Dev 0.9718

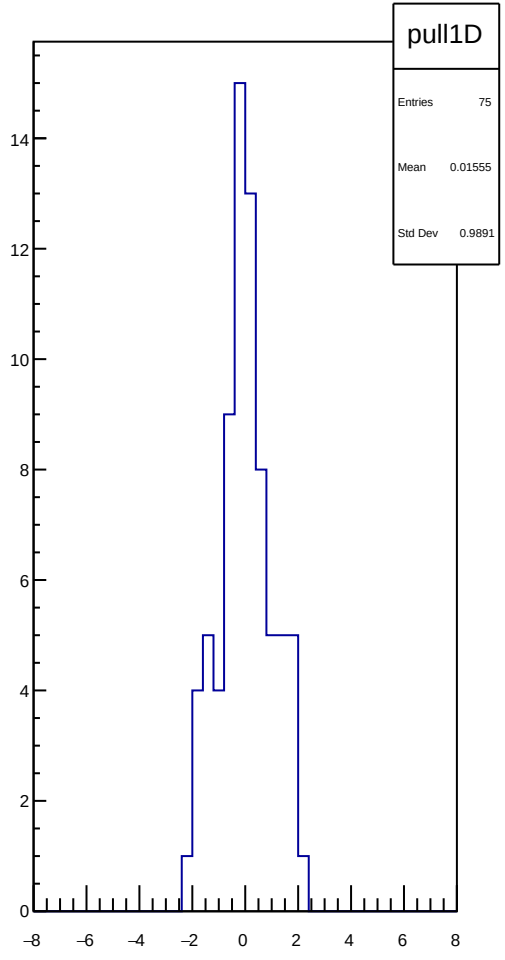

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 1084 / 74
p0 179 ± 0.1472
190
185
180
175
170

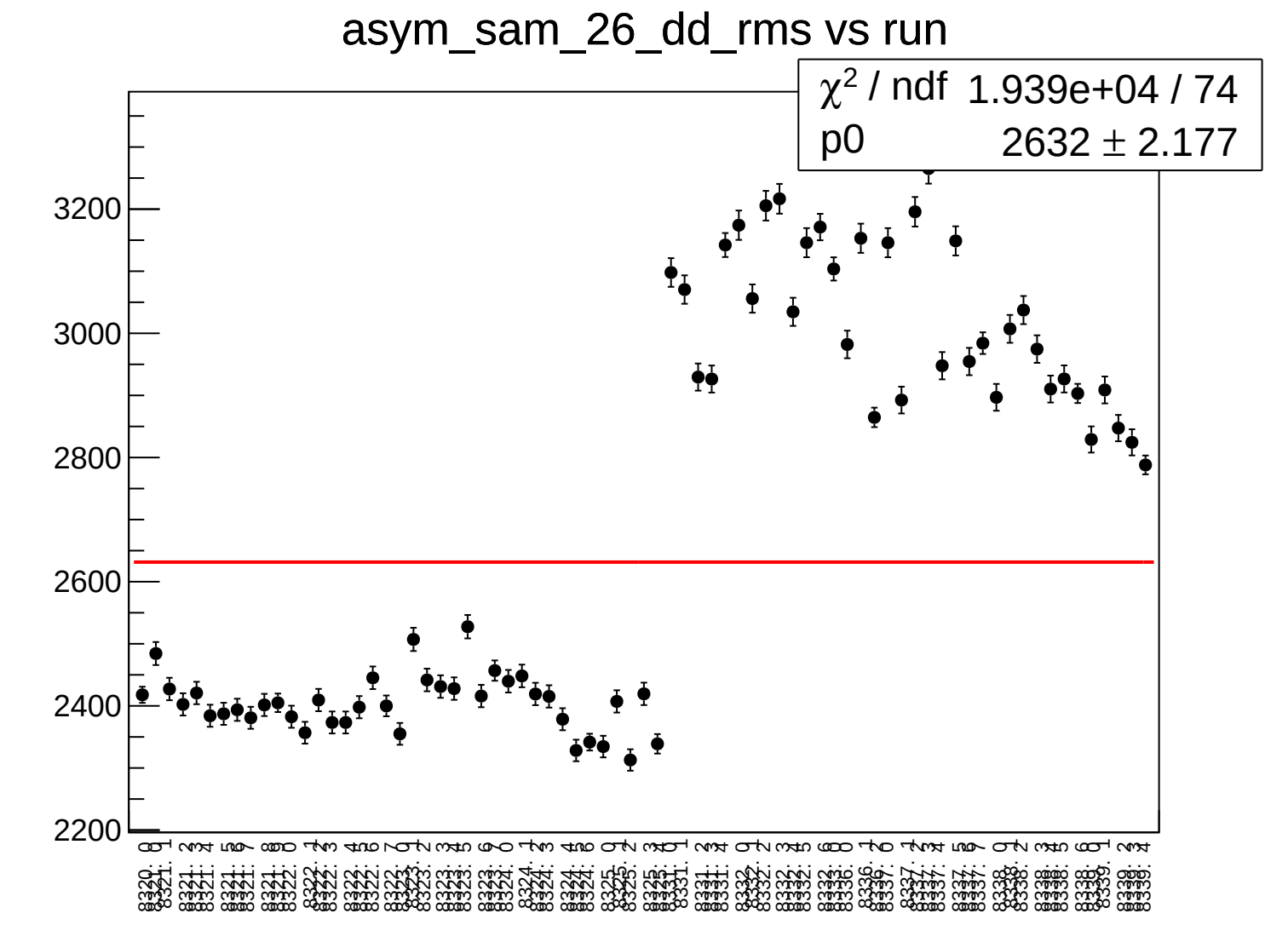

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 73.8 / 74
p0 −3933 ± 3110
pull
Entries 75
Mean −36.39
Std Dev 0

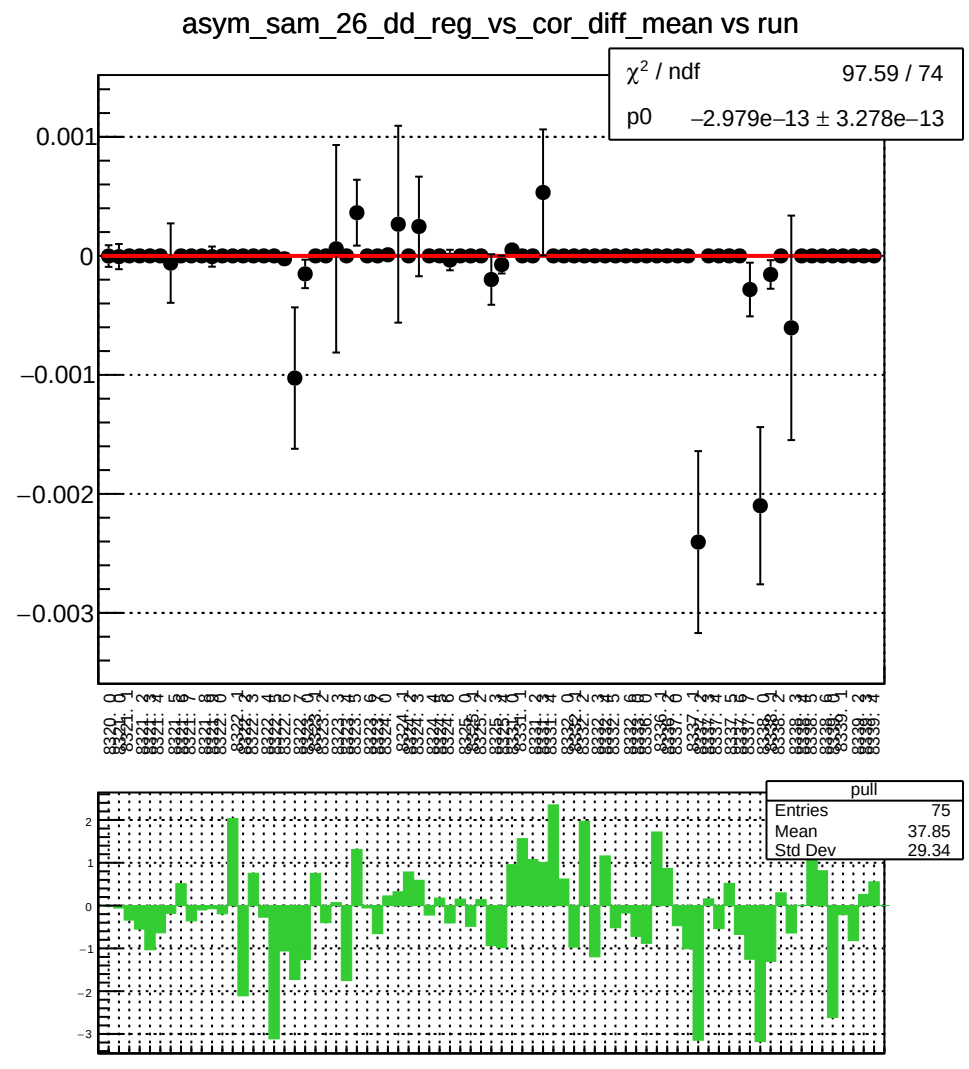

pull1D
Entries 75
Mean −0.01716
Std Dev 0.9918

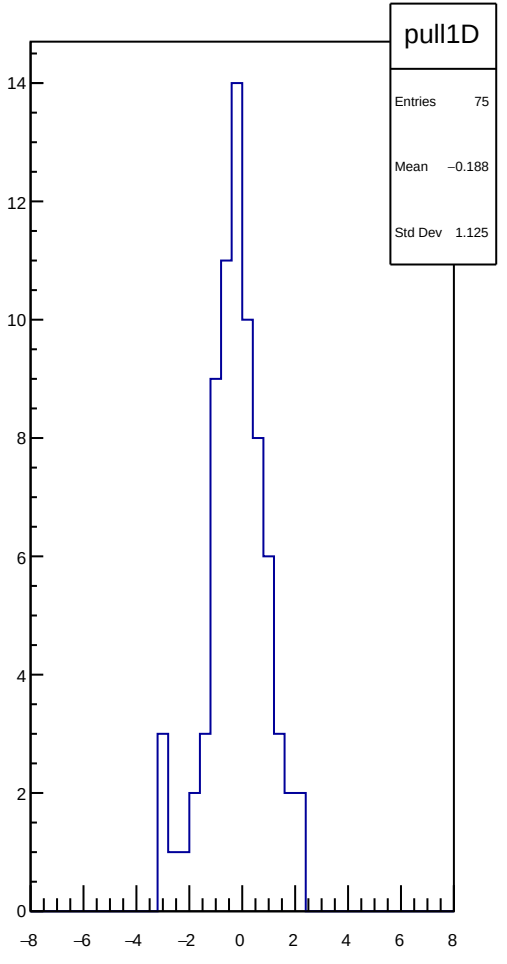

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.052e+04 / 74
p0 2657 ± 2.199
3400
3200
3000
2800
2600
2400

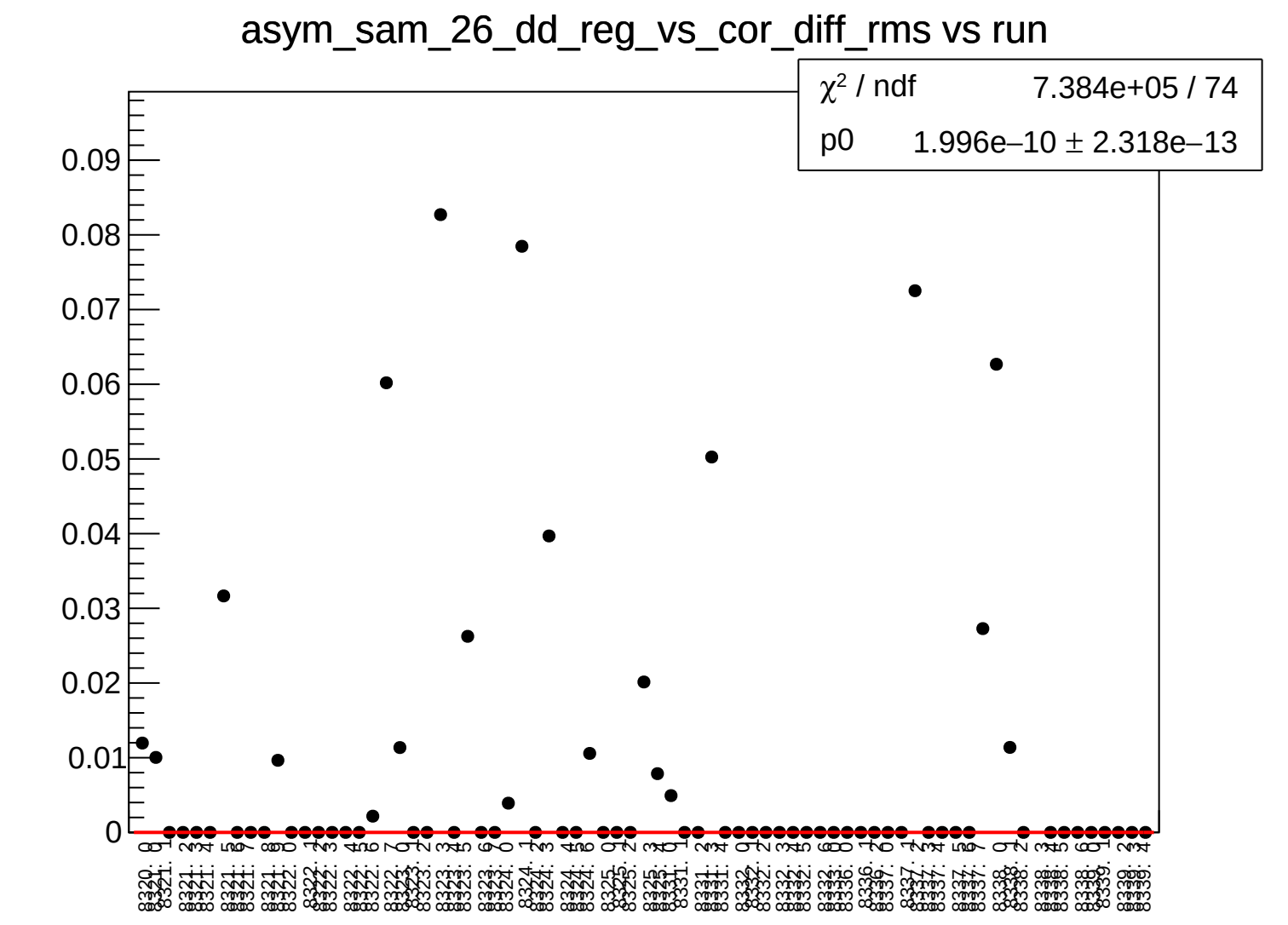

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 73.39 / 74
p0 3845 ± 3079
100
50
0
−50
−100
pull
Entries 75
Mean −70.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

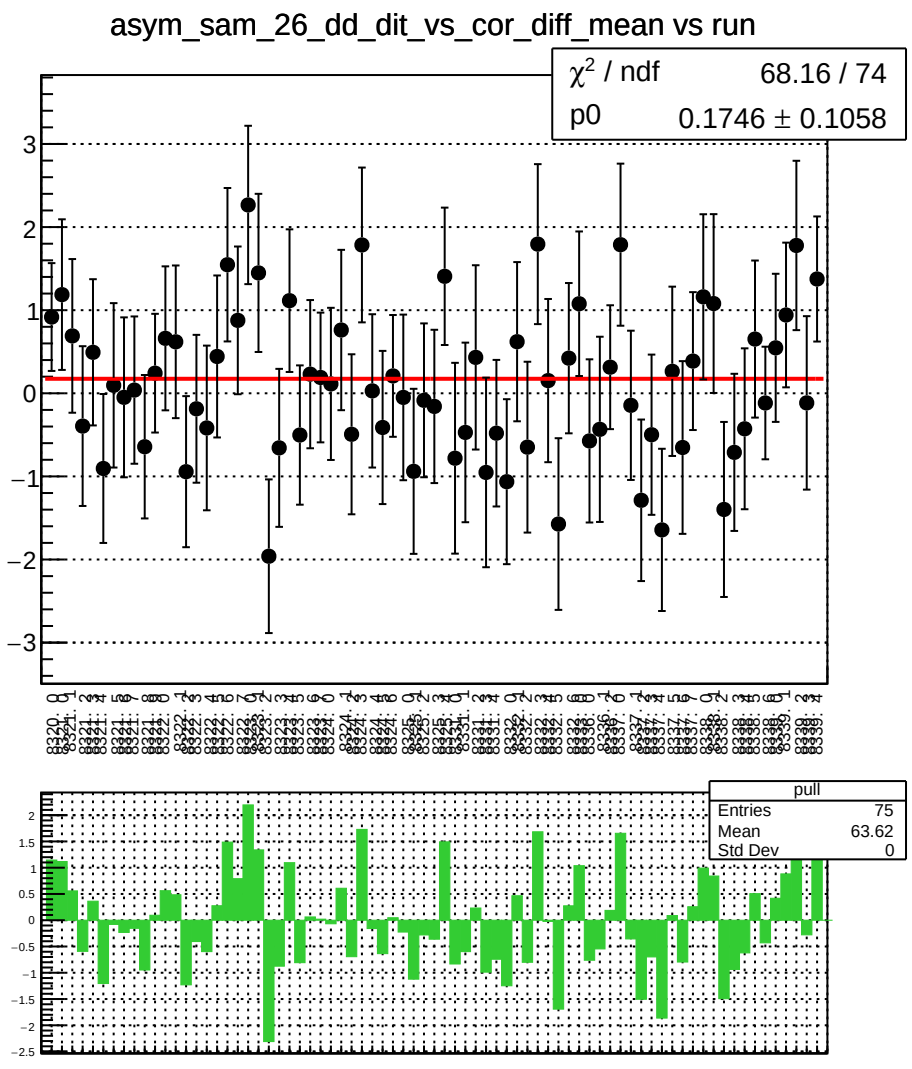

pull1D
Entries 75
Mean 0.01555
Std Dev 0.9891
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

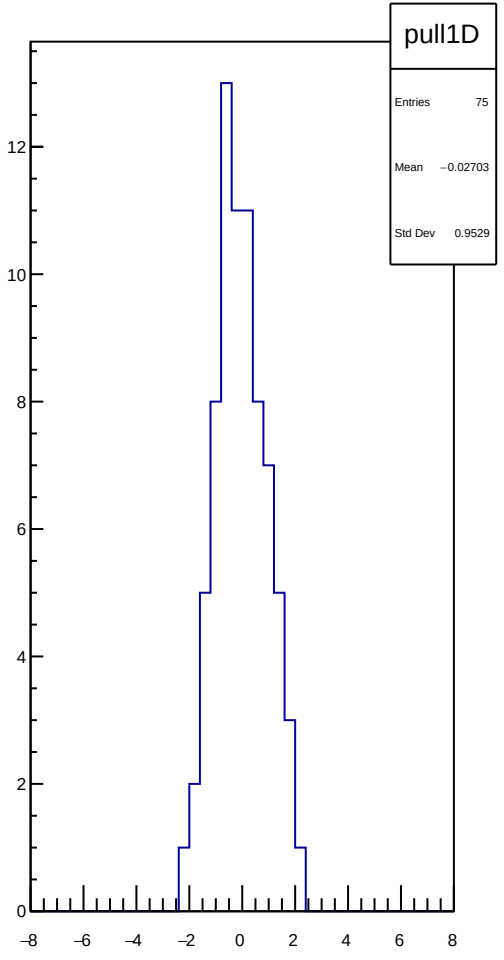

asym_sam_26_dd_rms vs run
χ² / ndf 1.939e+04 / 74
p0 2632 ± 2.177
3200
3000
2800
2600
2400
2200

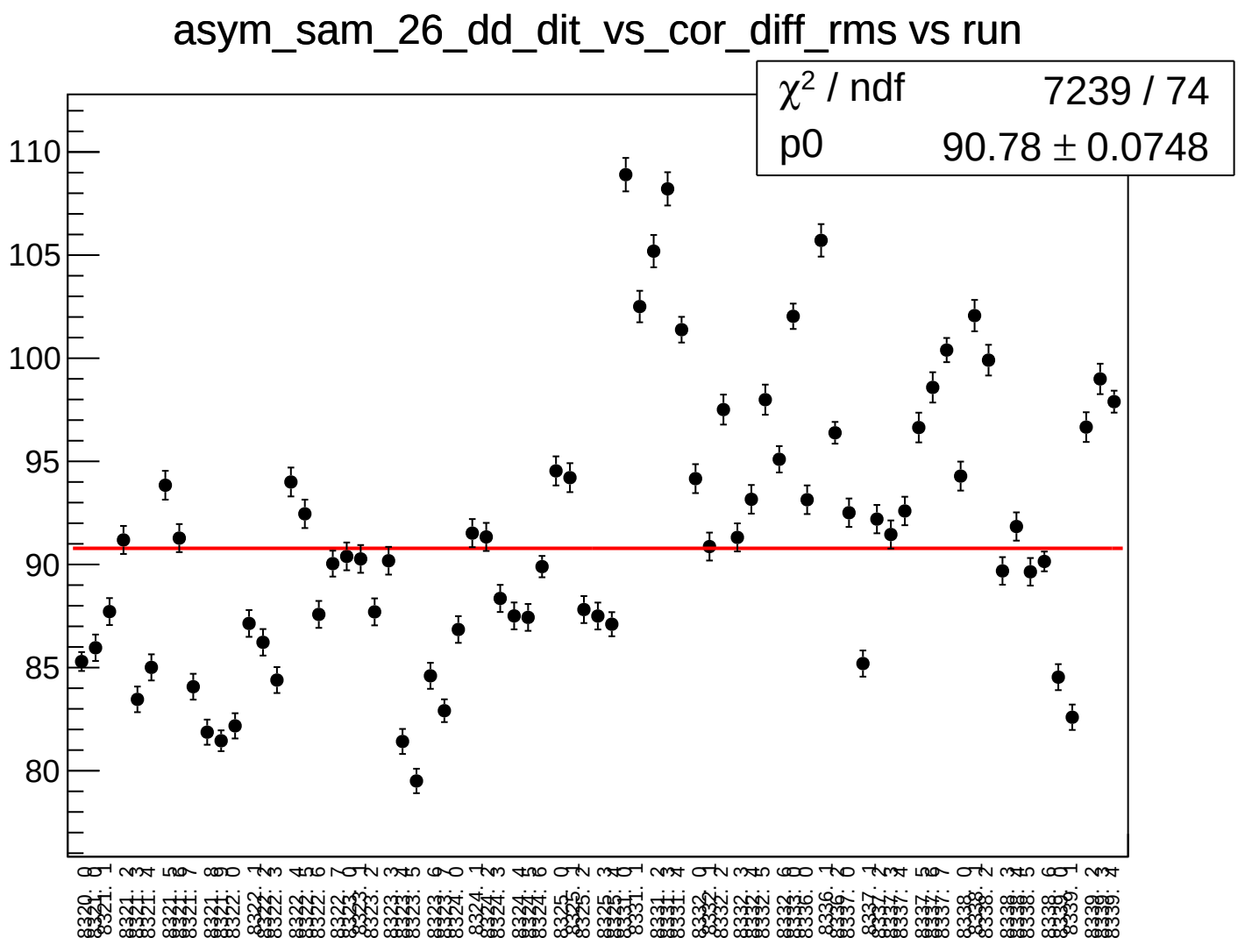

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.59 / 74
p0 −2.979e−13 ± 3.278e−13
0.001
0
−0.001
−0.002
−0.003
pull
Entries 75
Mean 37.85
Std Dev 29.34

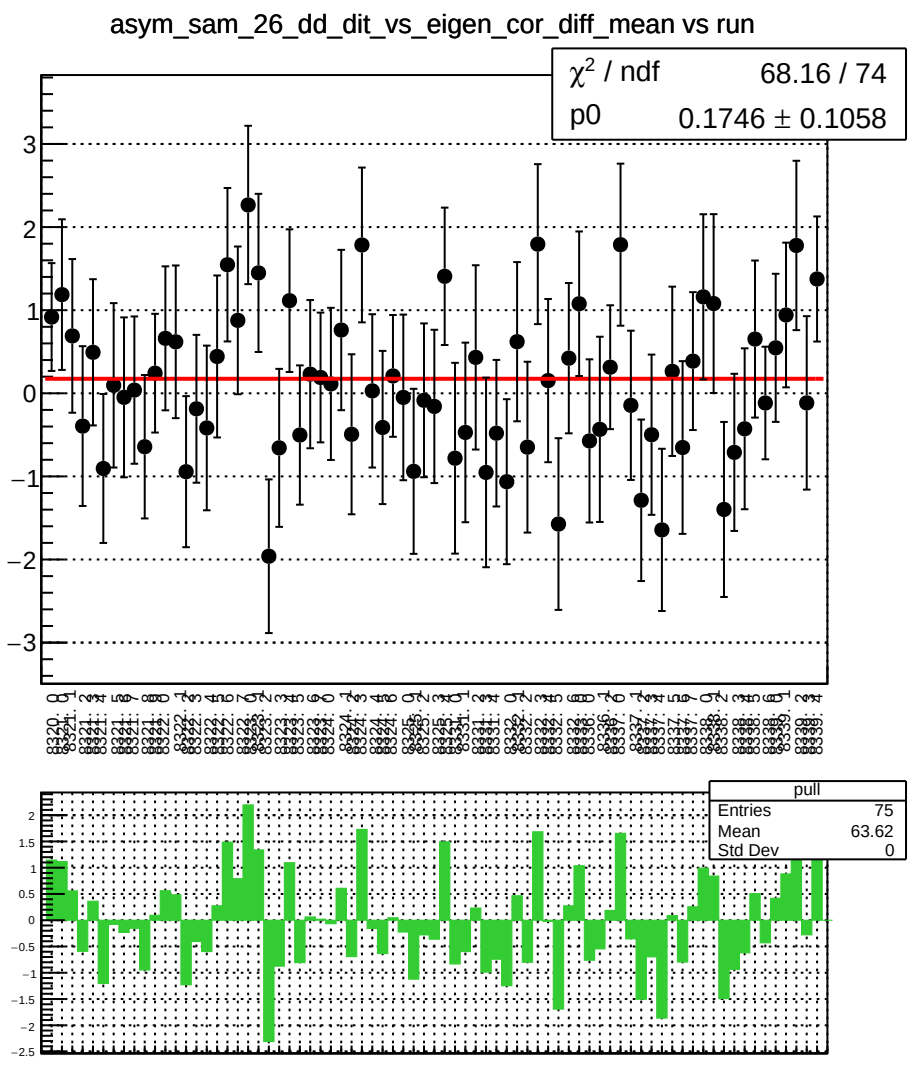

pull1D
Entries 75
Mean −0.188
Std Dev 1.125

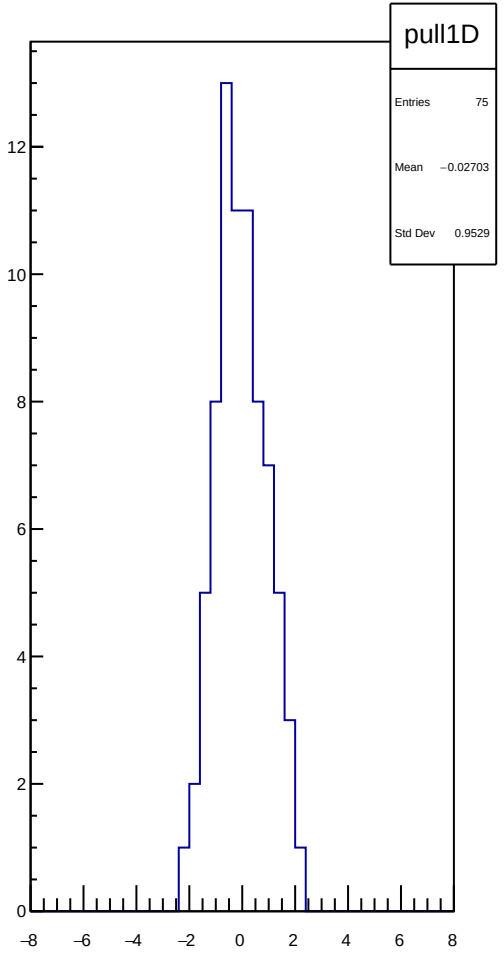

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.384e+05 / 74
p0 1.996e−10 ± 2.318e−13
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

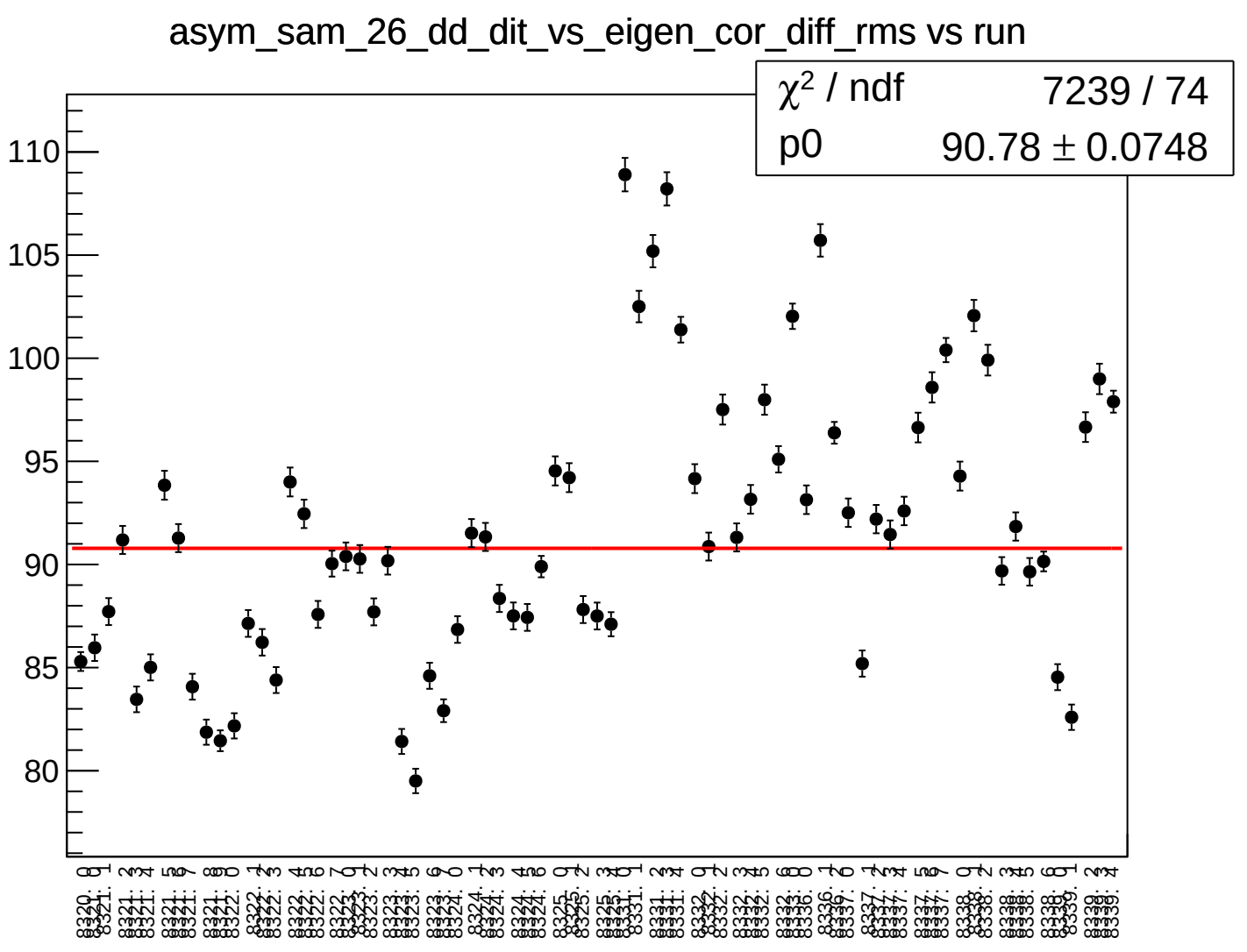

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.16 / 74
p0 0.1746 ± 0.1058
pull
Entries 75
Mean 63.62
Std Dev 0

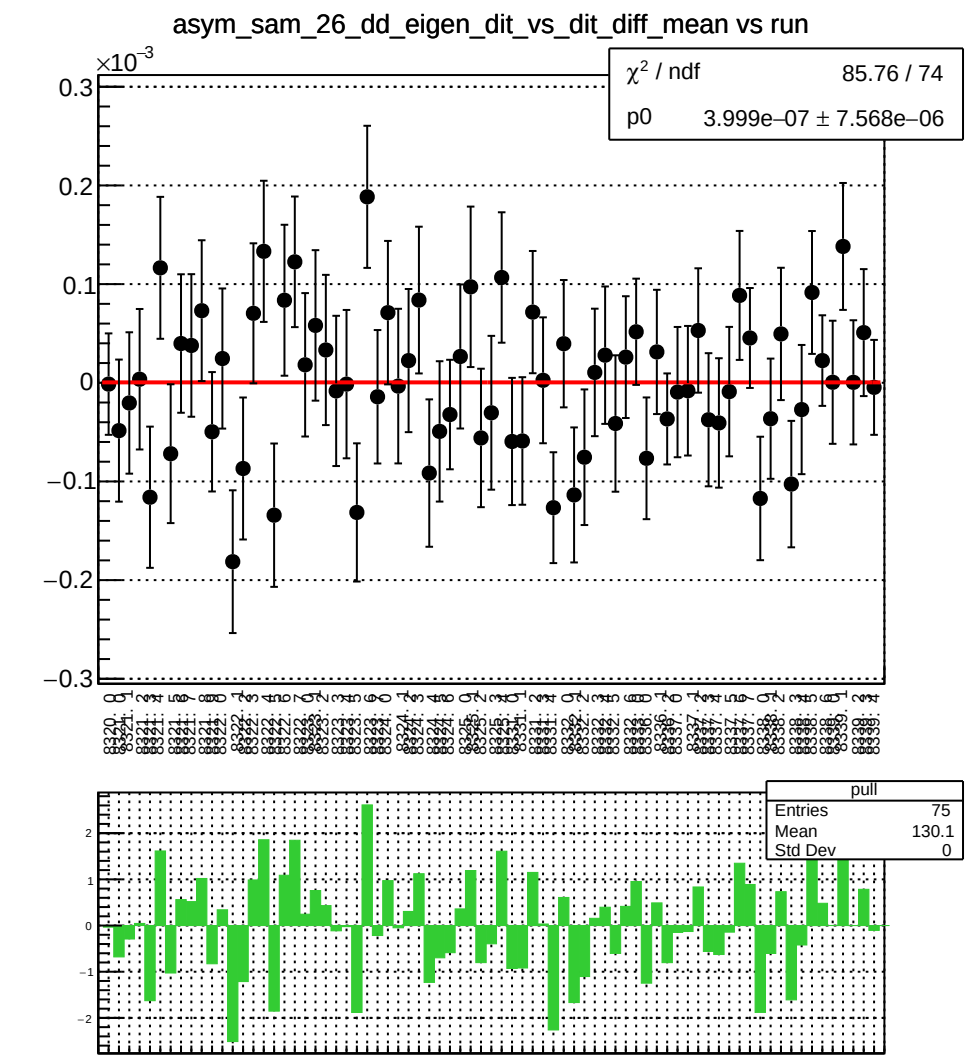

pull1D
Entries 75
Mean −0.02703
Std Dev 0.9529

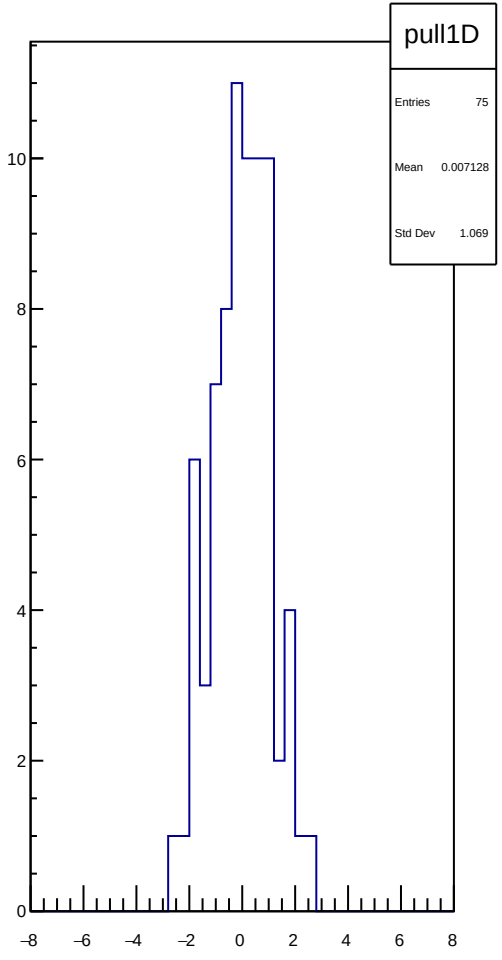

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7239 / 74
p0 90.78 ± 0.0748
110
105
100
95
90
85
80

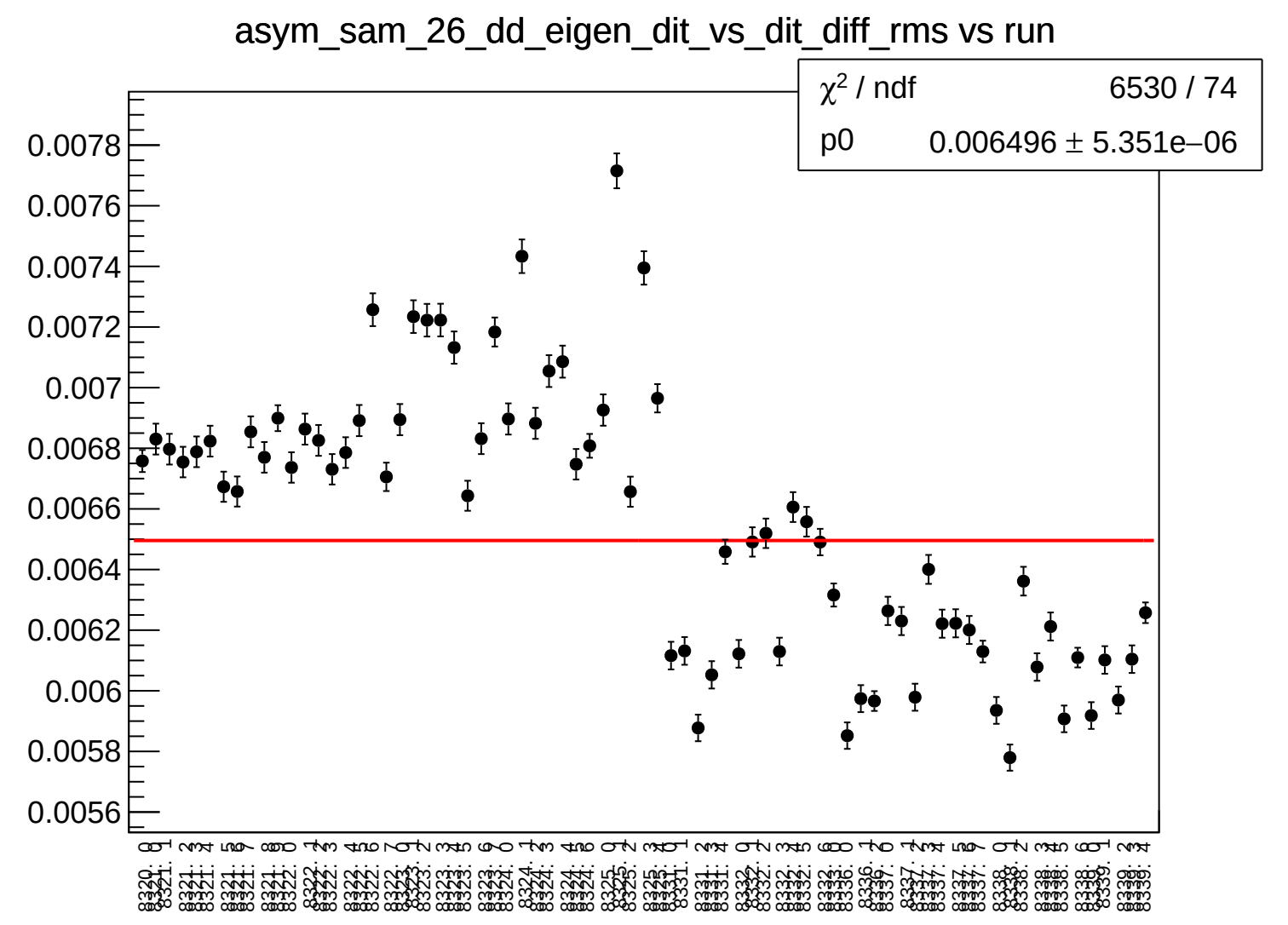

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.16 / 74
p0 0.1746 ± 0.1058
pull
Entries 75
Mean 63.62
Std Dev 0

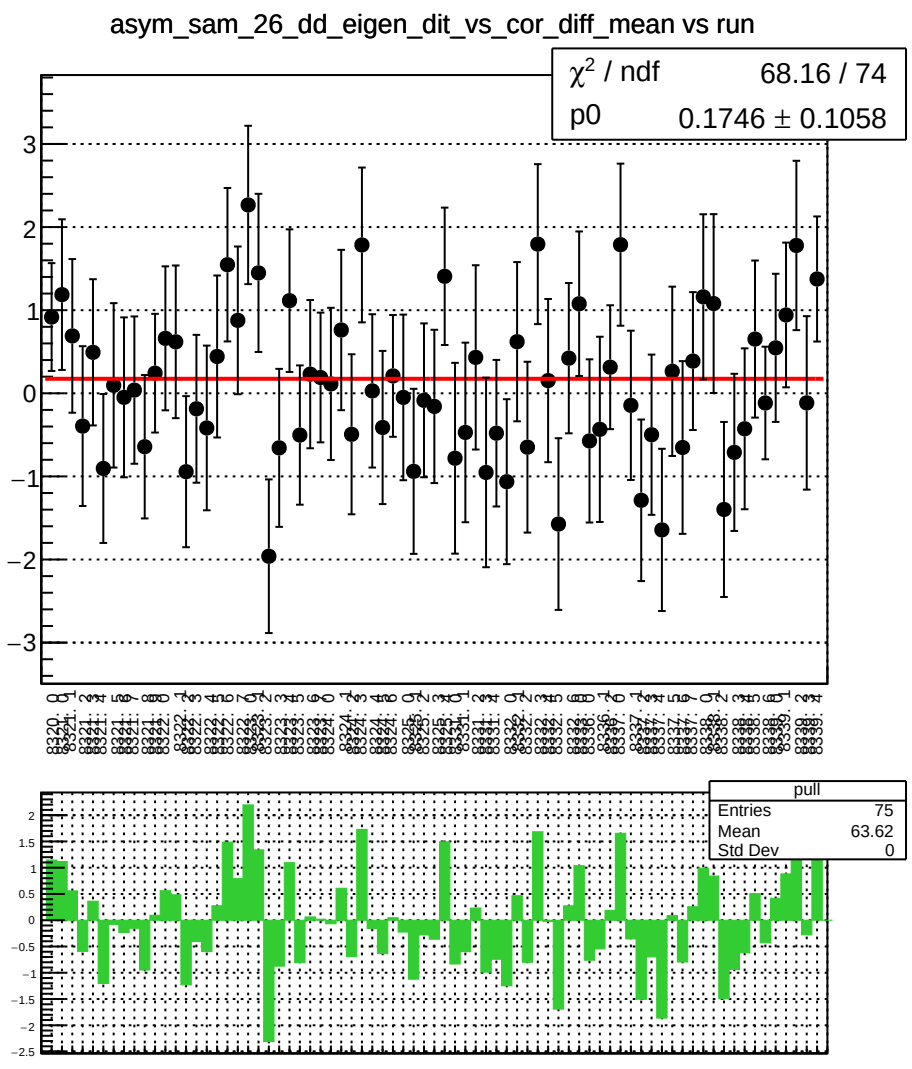

pull1D
Entries 75
Mean −0.02703
Std Dev 0.9529

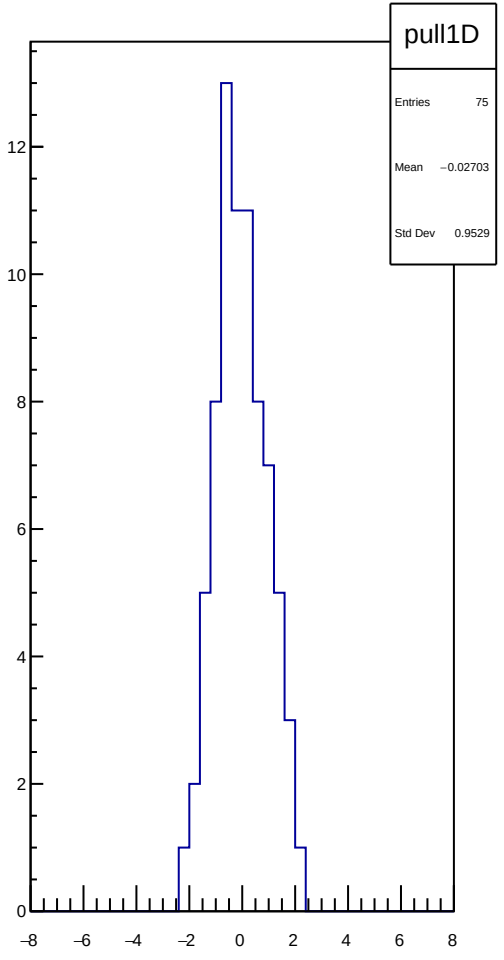

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7239 / 74
p0 90.78 ± 0.0748
110
105
100
95
90
85
80

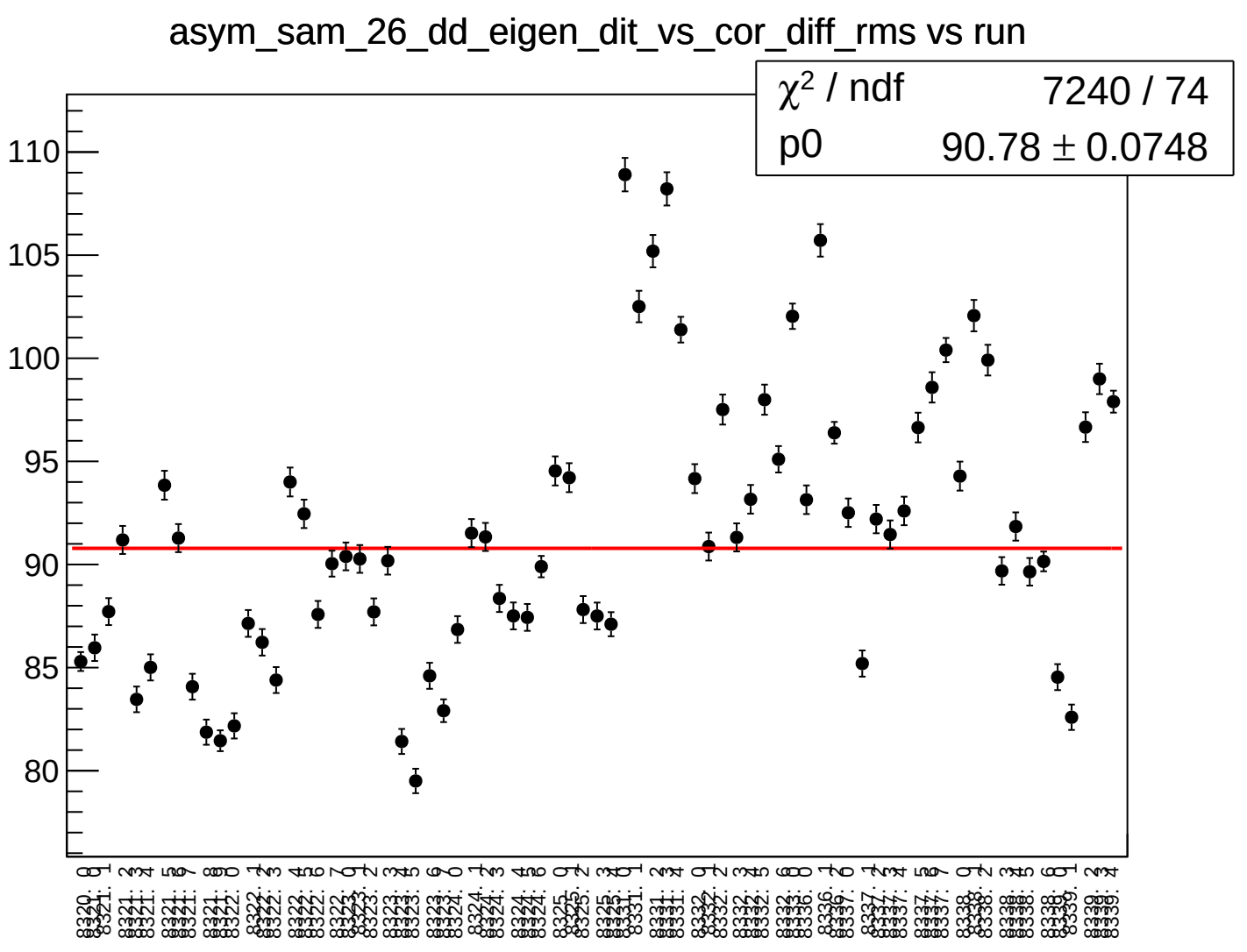

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.76 / 74
p0 3.999e−07 ± 7.568e−06
pull
Entries 75
Mean 130.1
Std Dev 0

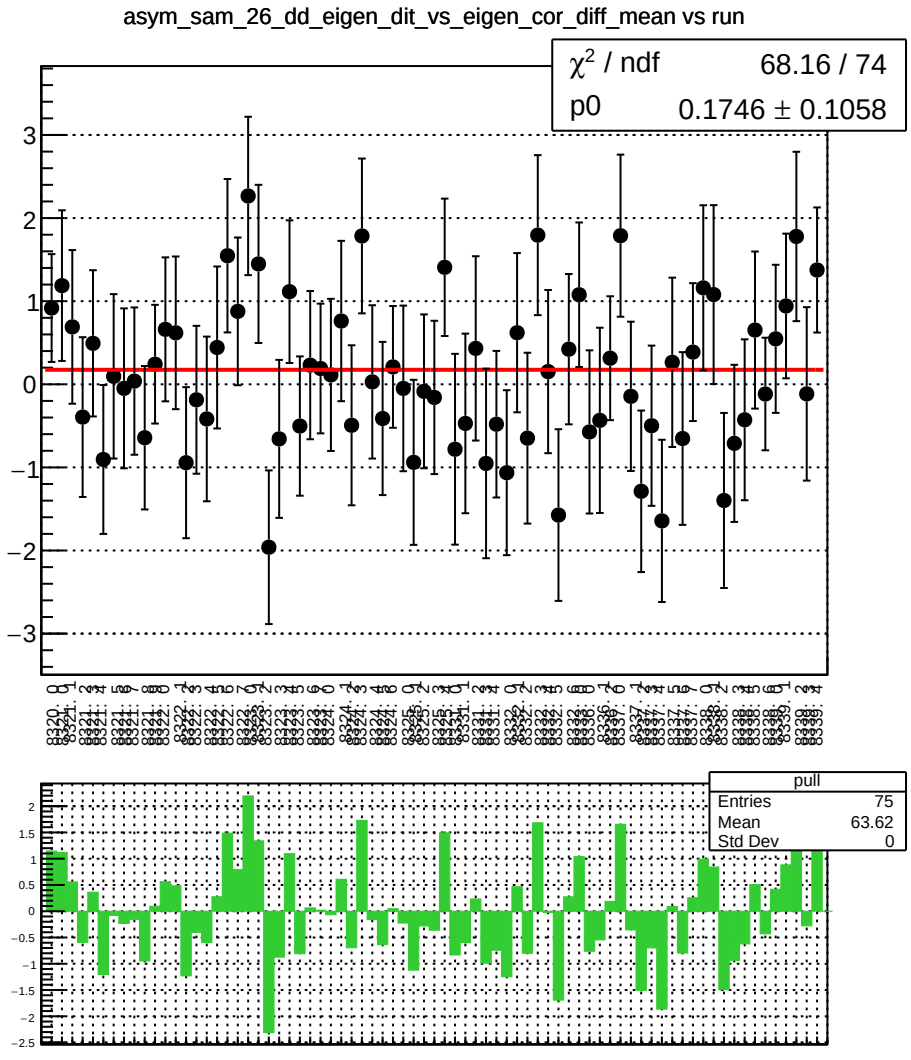

pull1D
Entries 75
Mean 0.007128
Std Dev 1.069

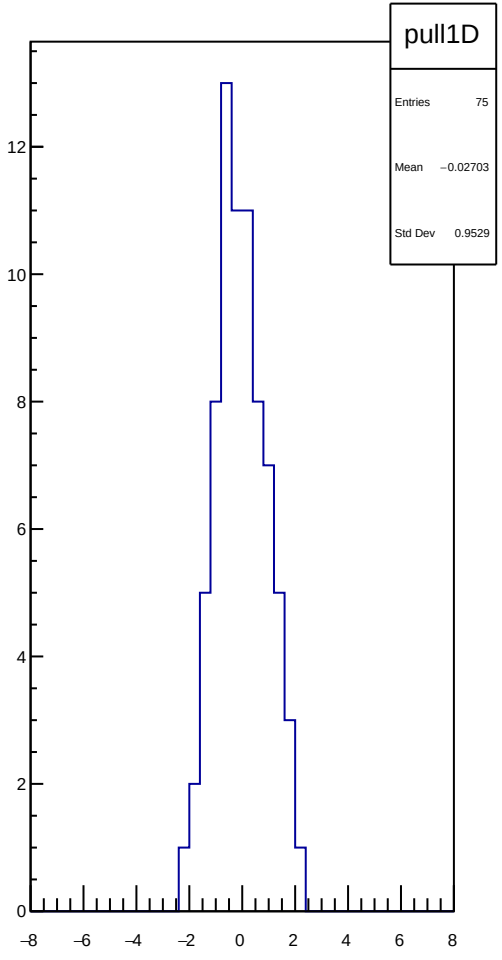

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6530 / 74
p0 0.006496 ± 5.351e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056

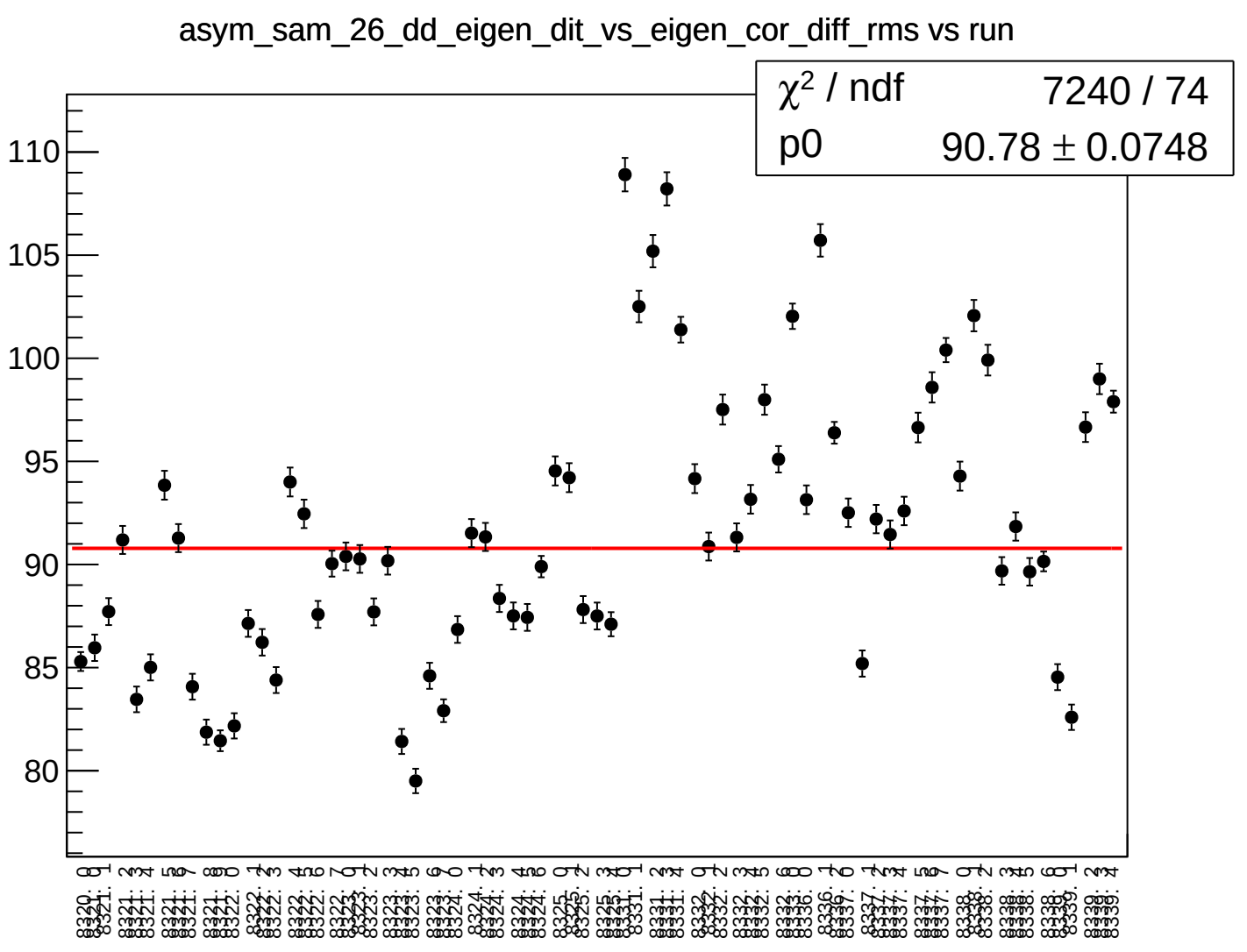

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.16 / 74
p0 0.1746 ± 0.1058
pull
Entries 75
Mean 63.62
Std Dev 0

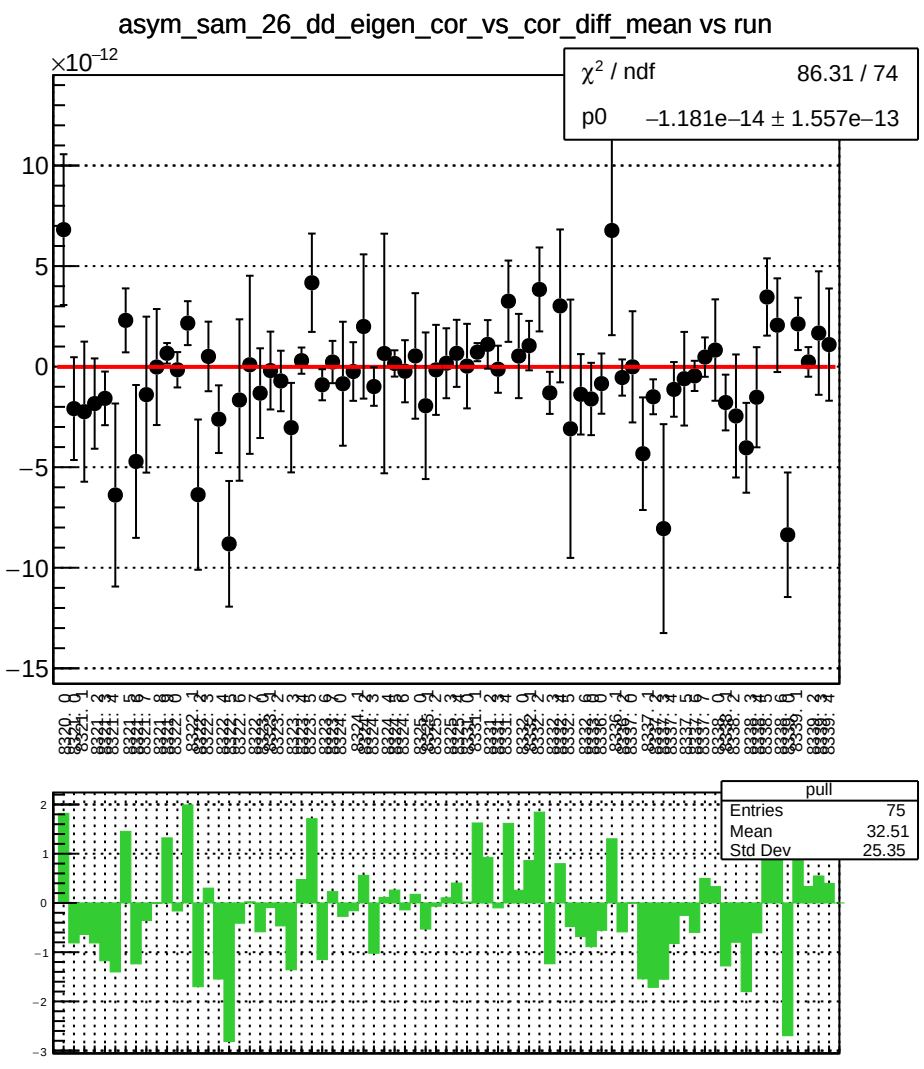

pull1D
Entries 75
Mean −0.02703
Std Dev 0.9529

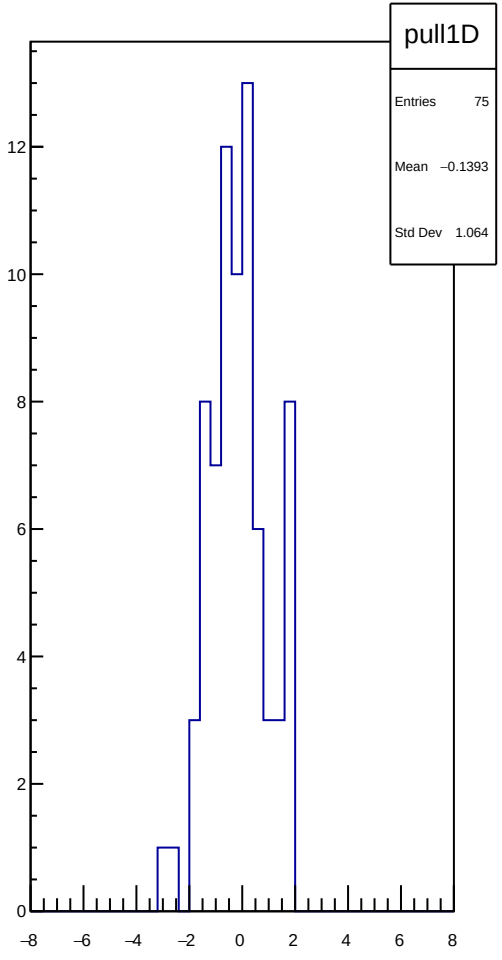

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7240 / 74
p0 90.78 ± 0.0748
110
105
100
95
90
85
80

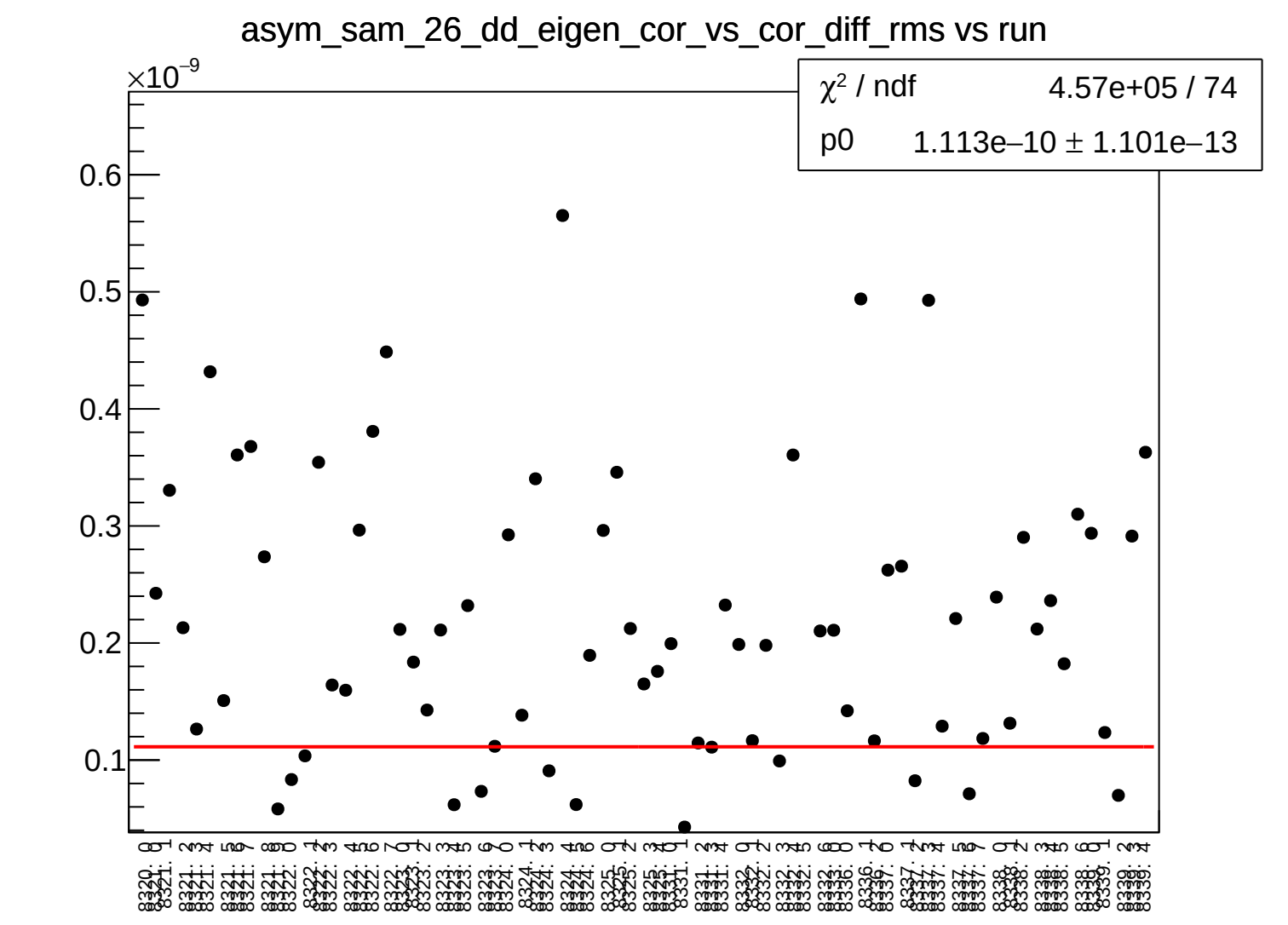

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.16 / 74
p0 0.1746 ± 0.1058
pull
Entries 75
Mean 63.62
Std Dev 0

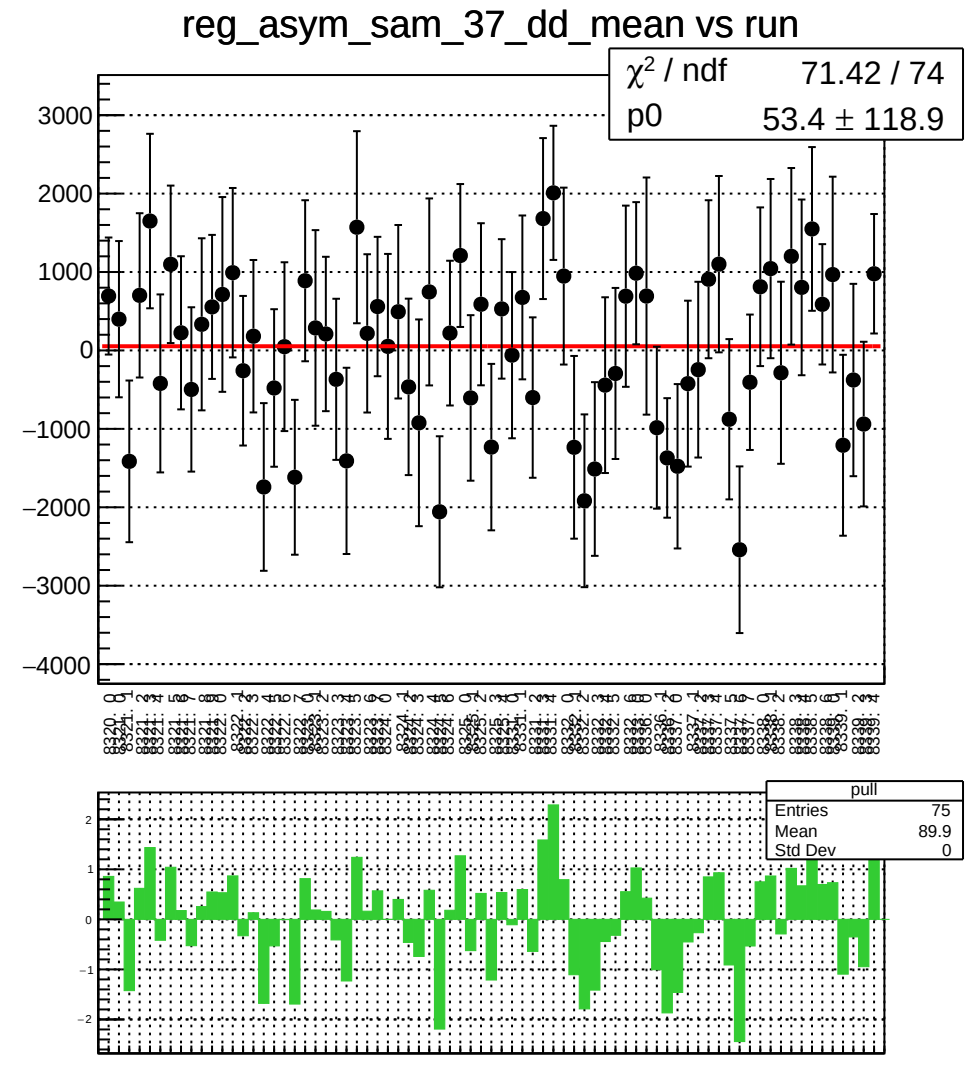

pull1D
Entries 75
Mean −0.02703
Std Dev 0.9529

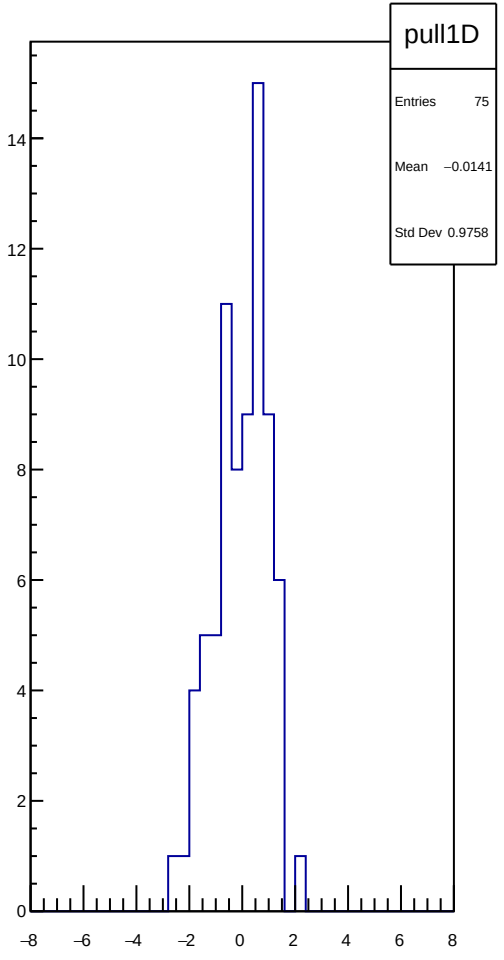

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7240 / 74
p0 90.78 ± 0.0748
110
105
100
95
90
85
80

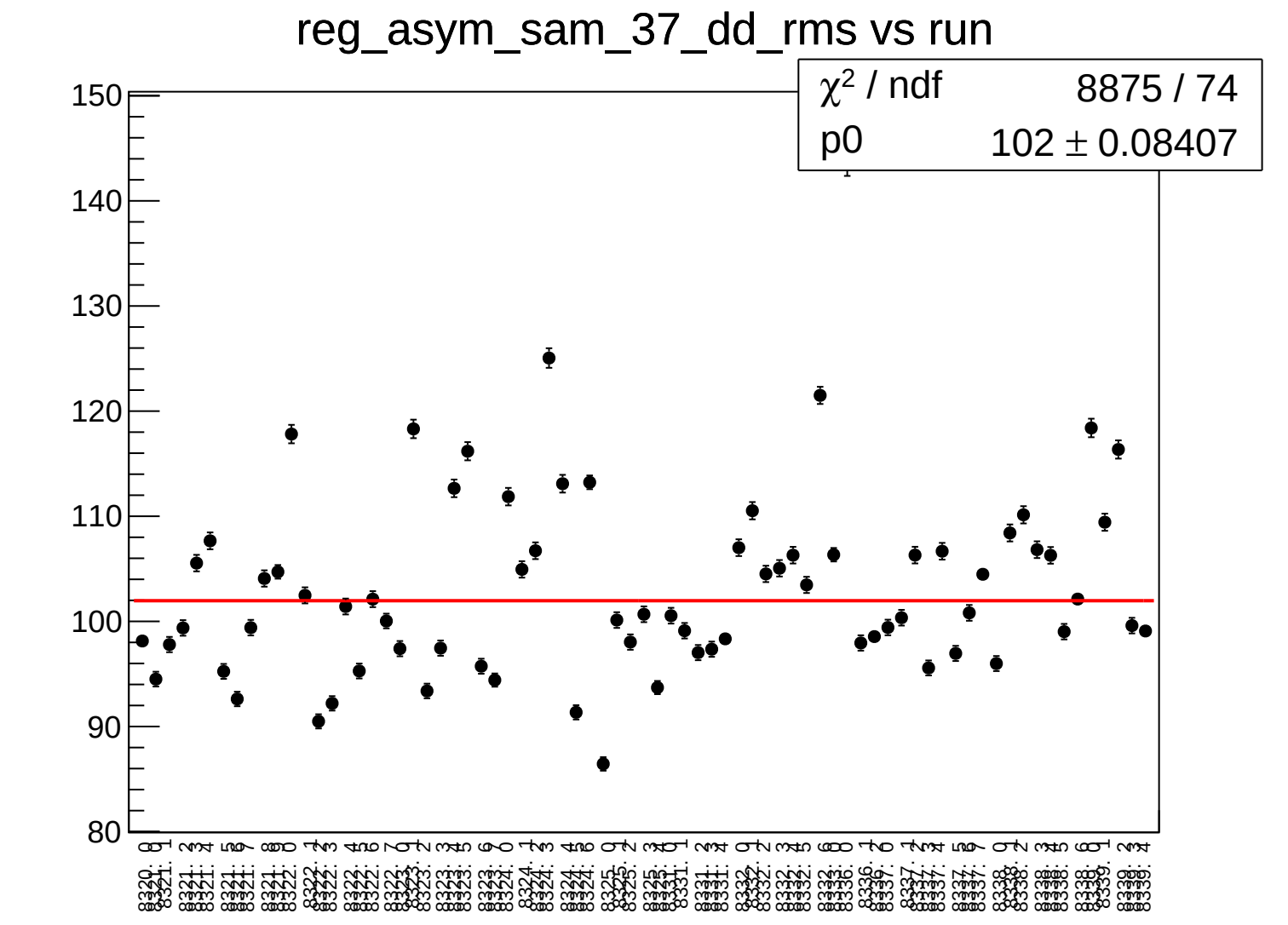

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.31 / 74
p0 −1.181e−14 ± 1.557e−13
pull
Entries 75
Mean 32.51
Std Dev 25.35

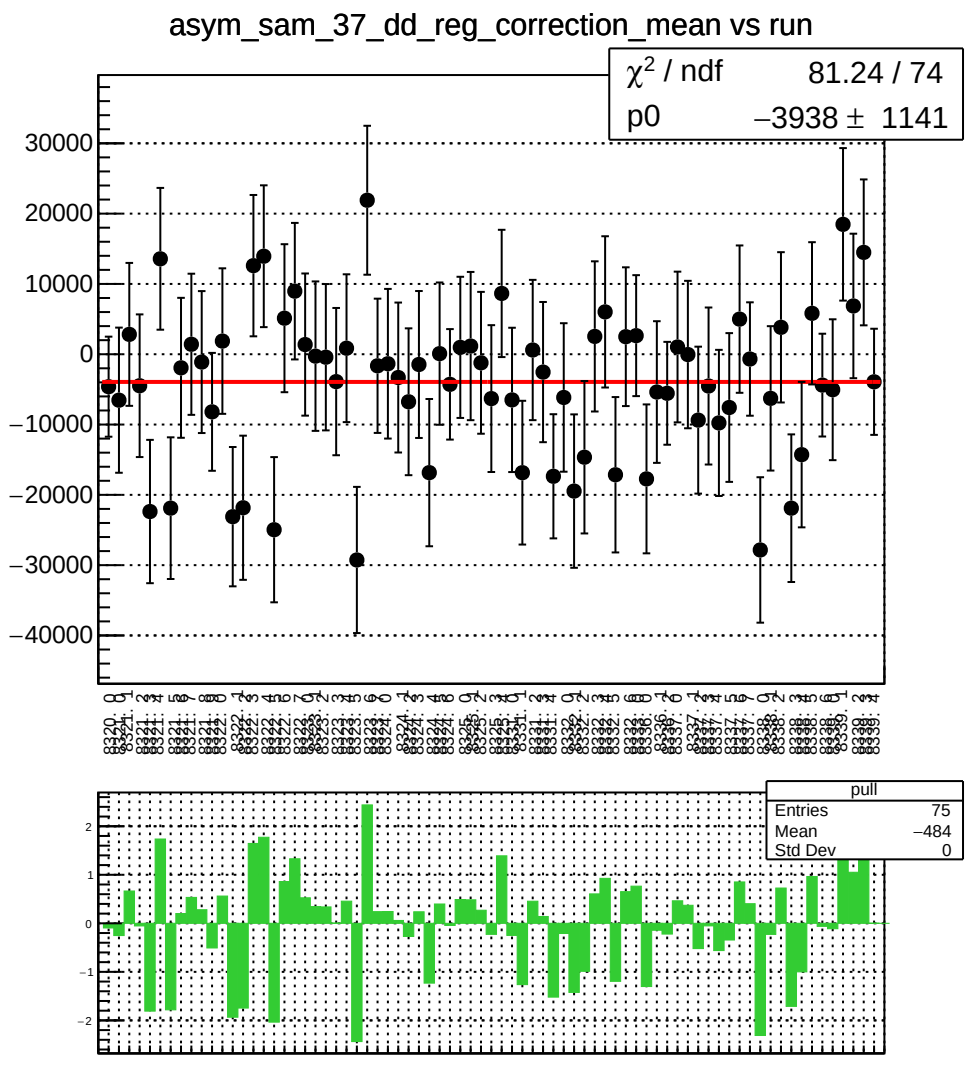

pull1D
Entries 75
Mean −0.1393
Std Dev 1.064

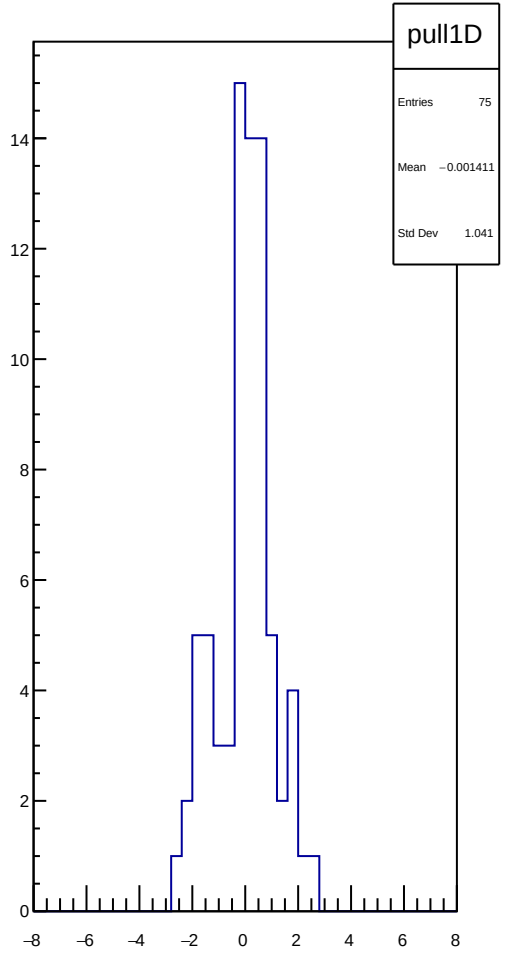

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.57e+05 / 74
p0 1.113e−10 ± 1.101e−13
0.6
0.5
0.4
0.3
0.2
0.1

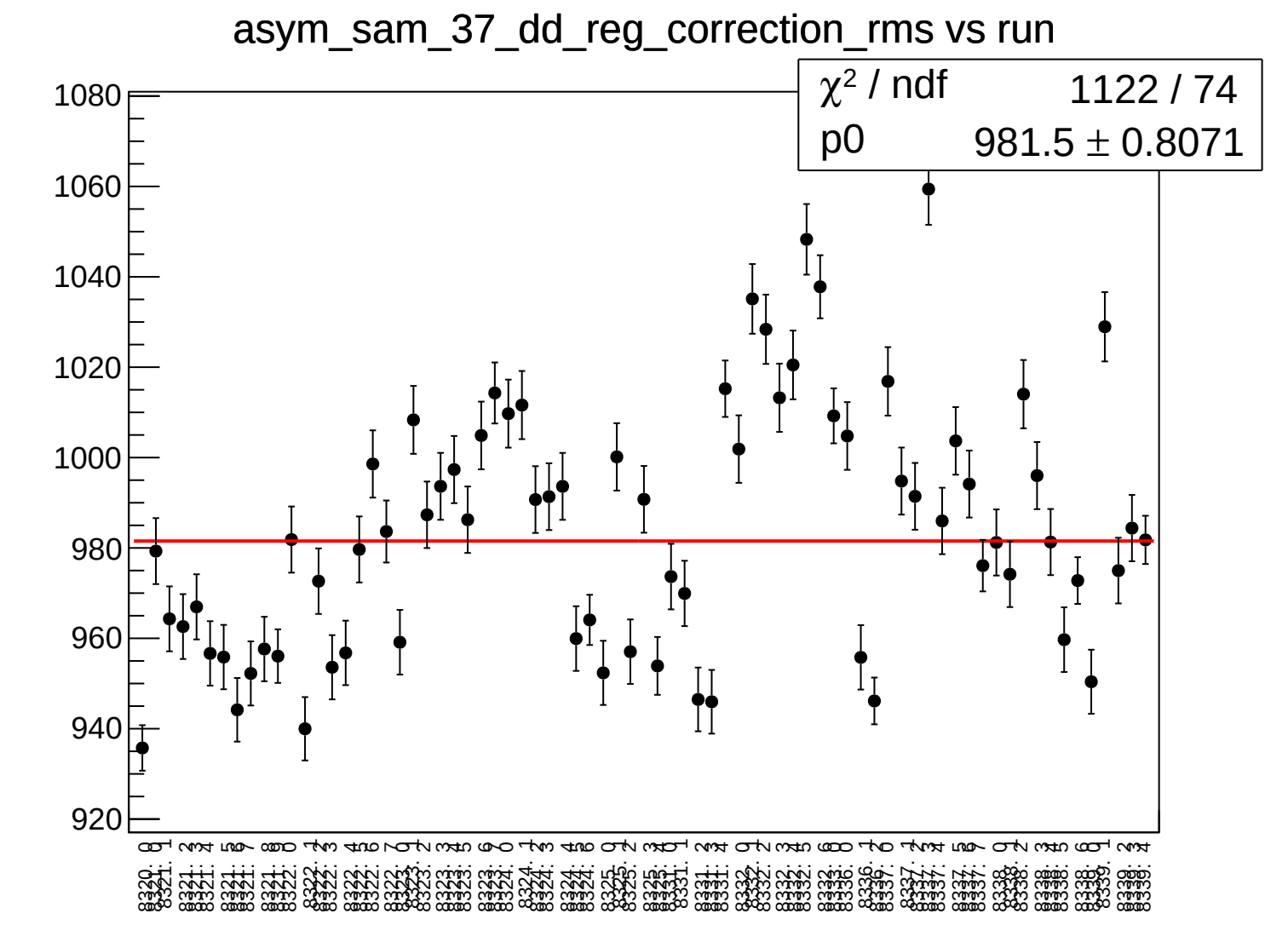

reg_asym_sam_37_dd_mean vs run
χ² / ndf 71.42 / 74
p0 53.4 ± 118.9
pull
Entries 75
Mean 89.9
Std Dev 0

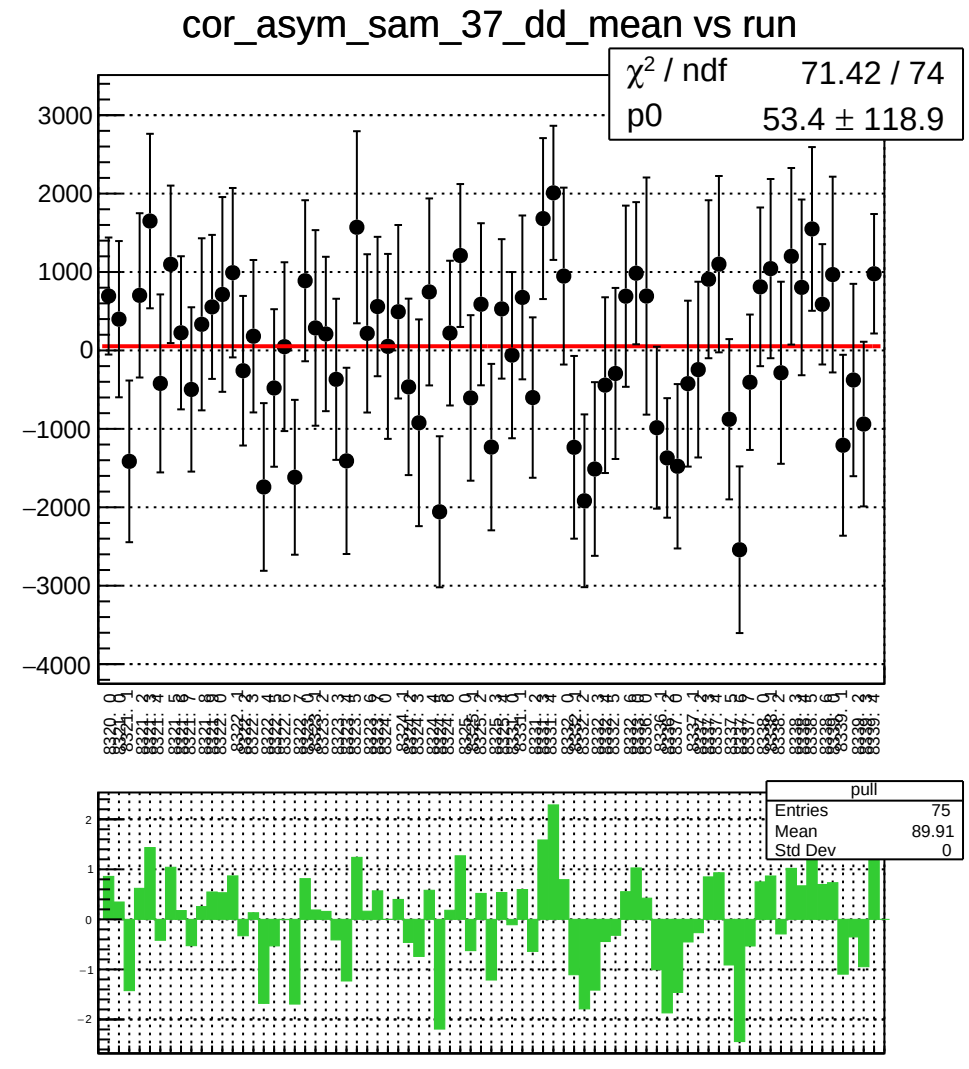

pull1D
Entries 75
Mean −0.0141
Std Dev 0.9758

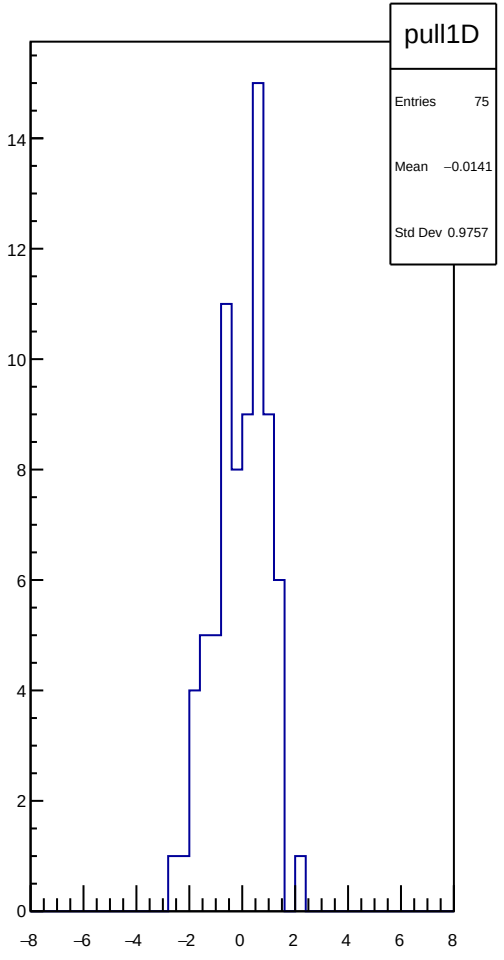

reg_asym_sam_37_dd_rms vs run
χ² / ndf 8875 / 74
p0 102 ± 0.08407
150
140
130
120
110
100
90
80

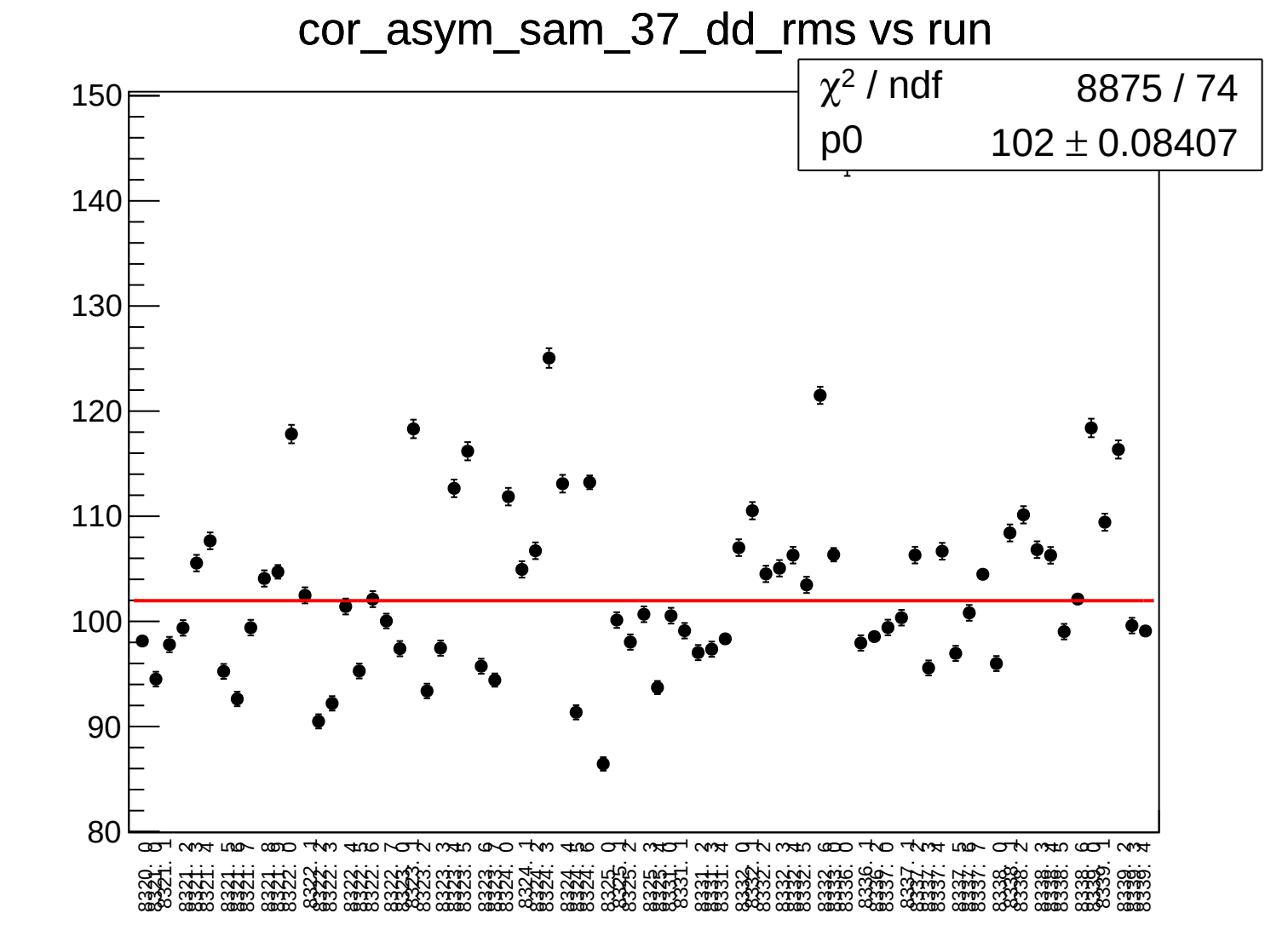

asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 81.24 / 74
p0 −3938 ± 1141
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 75
Mean −484
Std Dev 0
2
1
0
−1
−2

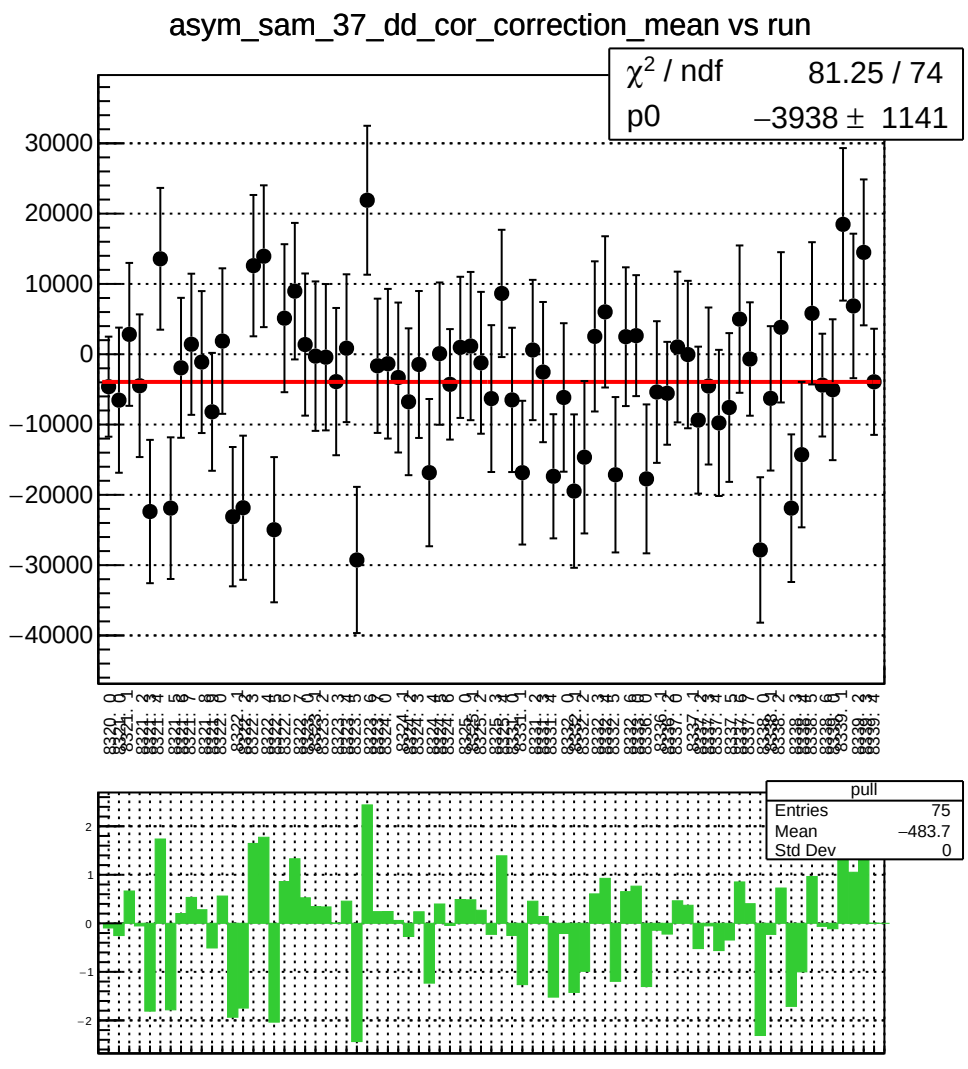

pull1D
Entries 75
Mean −0.001411
Std Dev 1.041
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

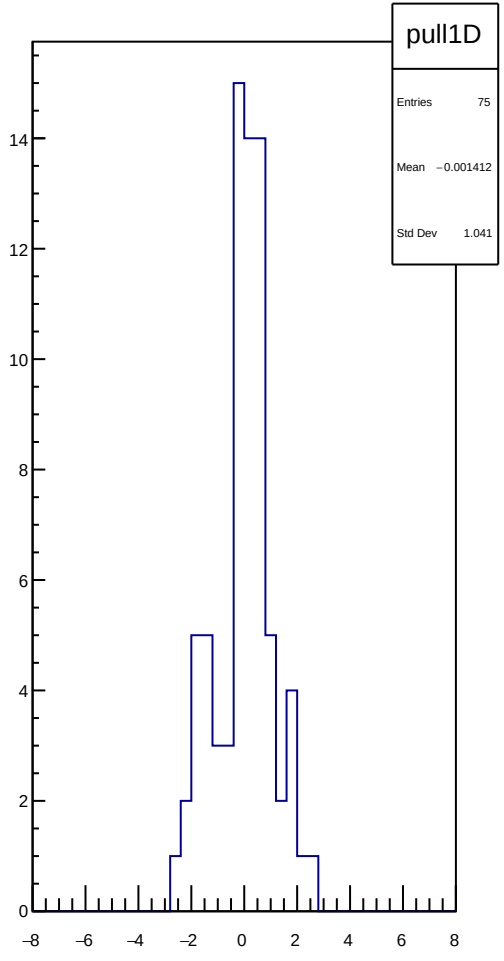

asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 1122 / 74
p0 981.5 ± 0.8071
1080
1060
1040
1020
1000
980
960
940
920

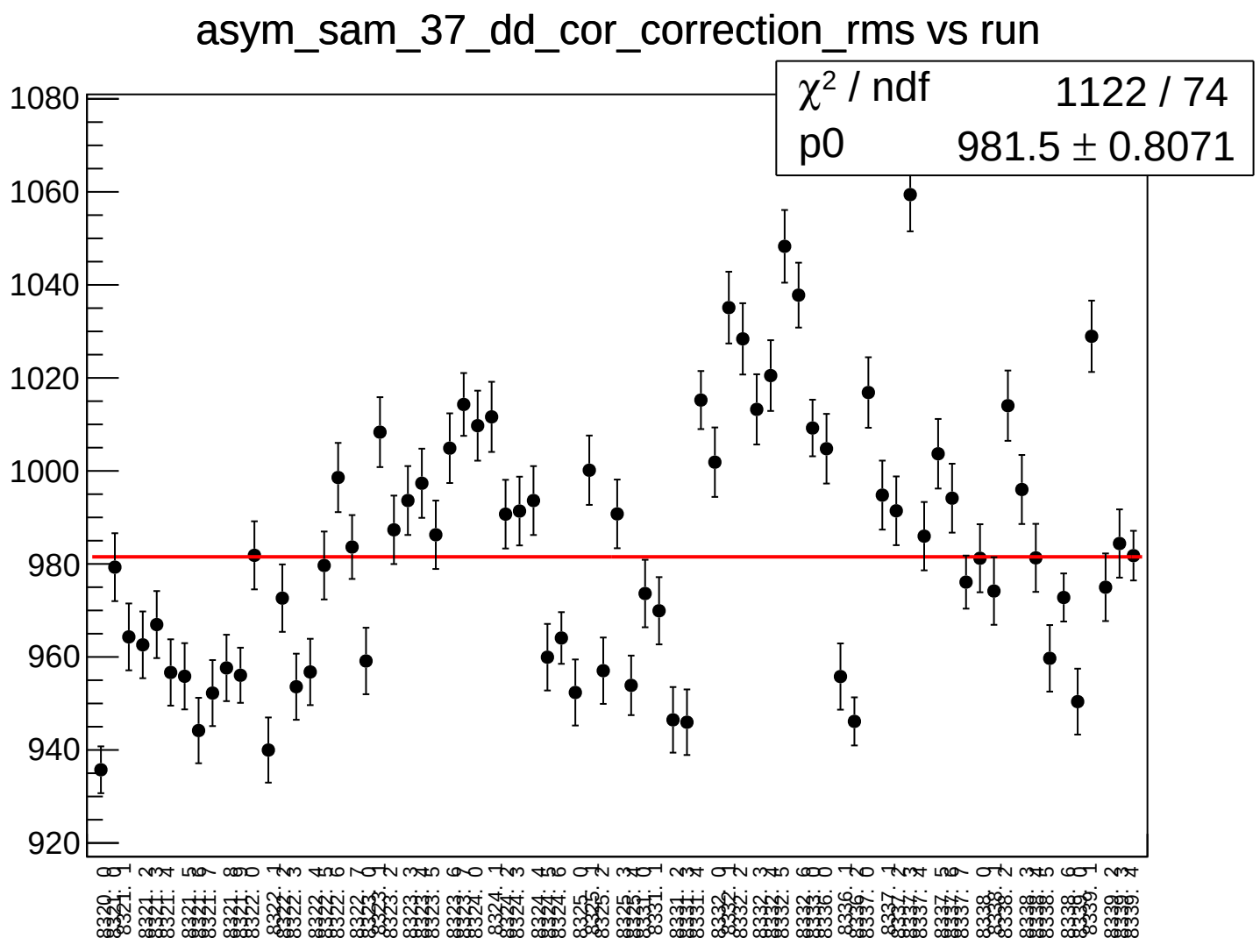

cor_asym_sam_37_dd_mean vs run
χ² / ndf 71.42 / 74
p0 53.4 ± 118.9
pull
Entries 75
Mean 89.91
Std Dev 0

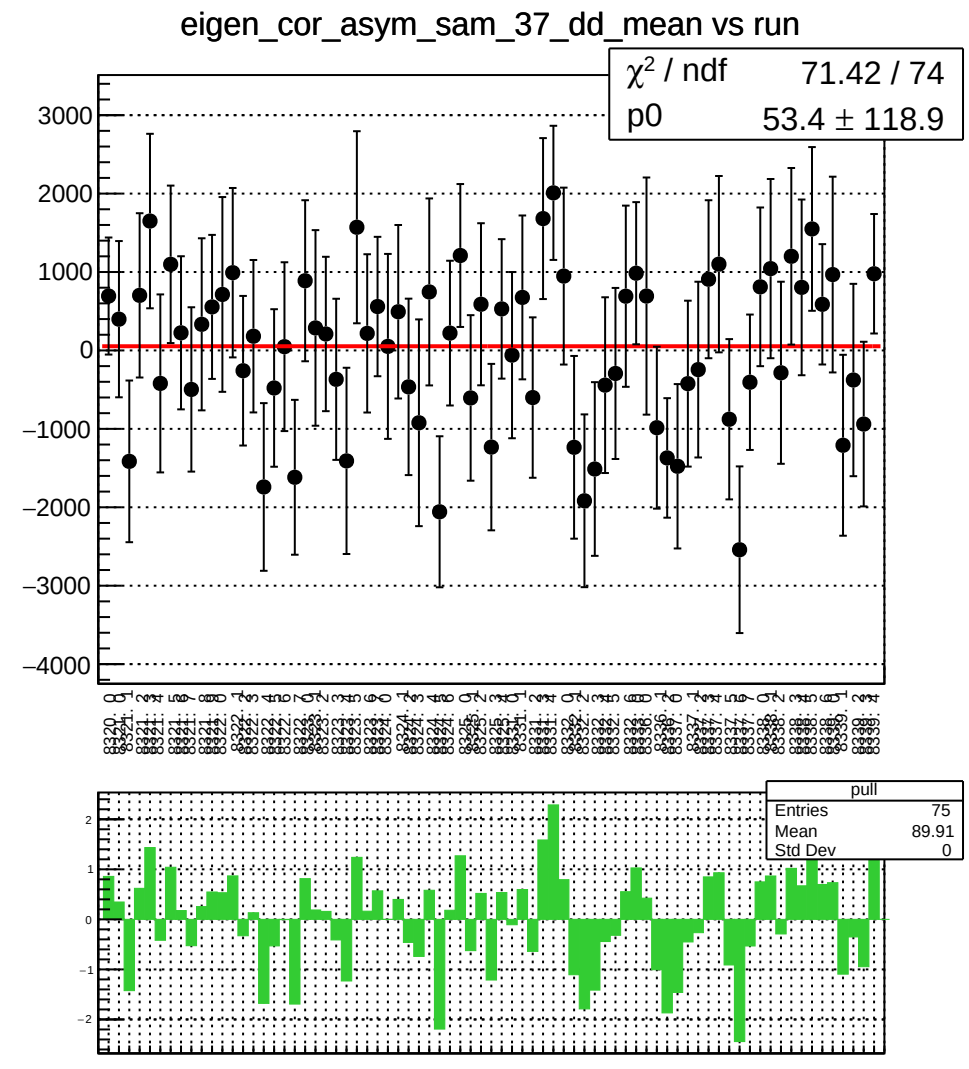

pull1D
Entries 75
Mean −0.0141
Std Dev 0.9757

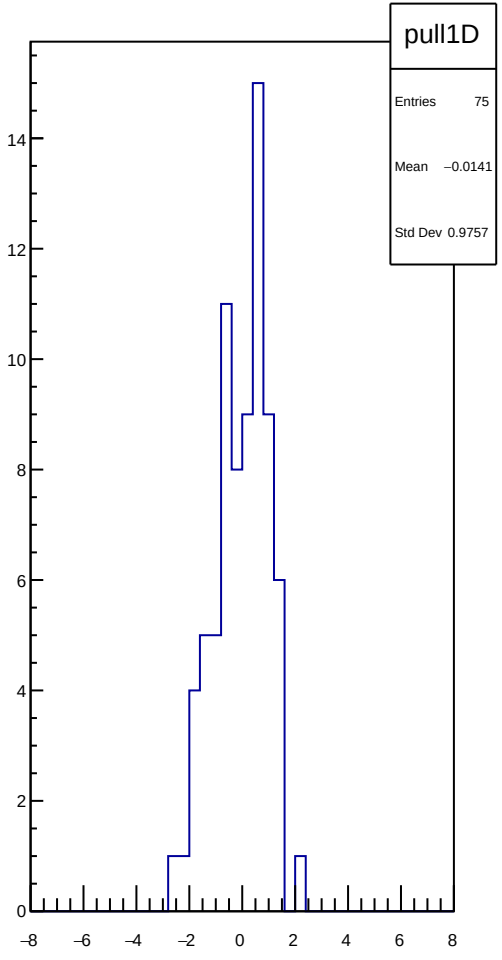

cor_asym_sam_37_dd_rms vs run
χ² / ndf 8875 / 74
p0 102 ± 0.08407
150
140
130
120
110
100
90
80

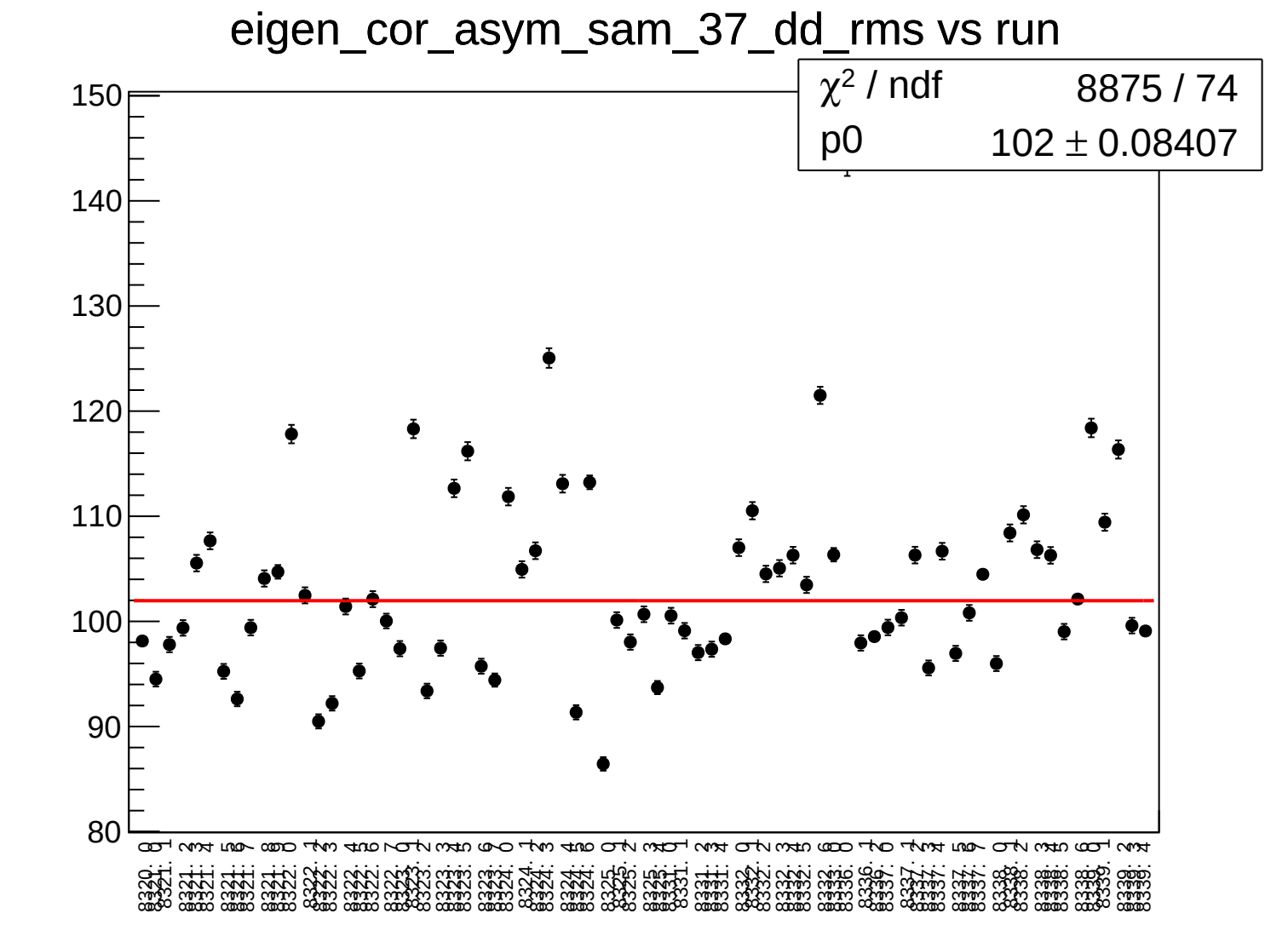

asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 81.25 / 74
p0 −3938 ± 1141
pull
Entries 75
Mean −483.7
Std Dev 0

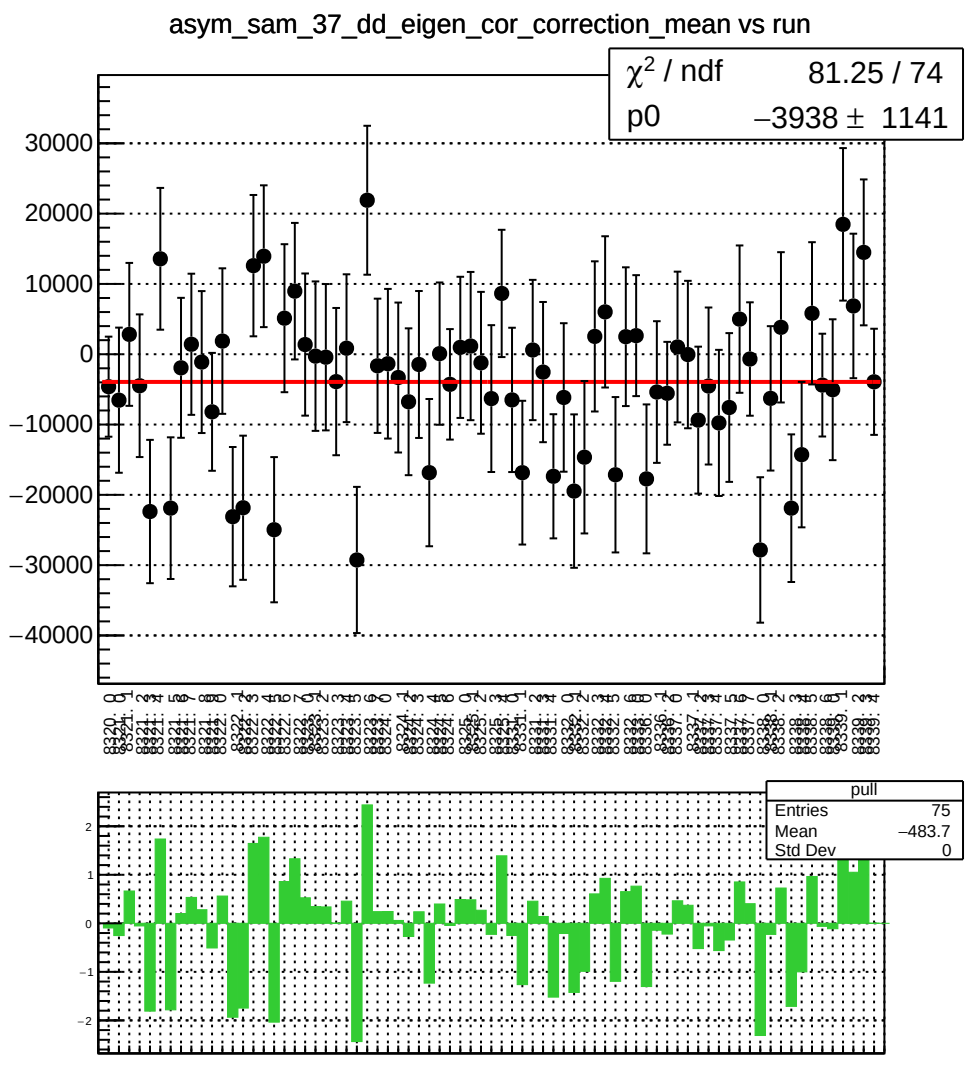

pull1D
Entries 75
Mean −0.001412
Std Dev 1.041

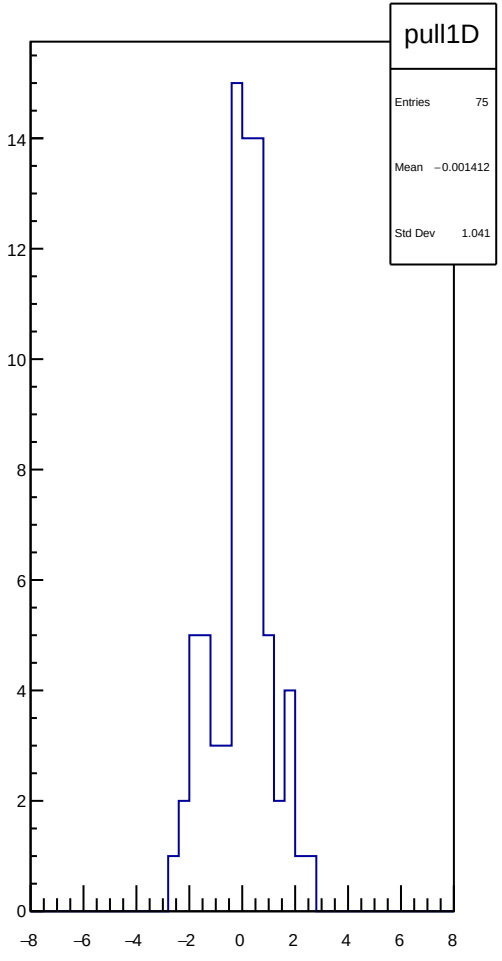

asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 1122 / 74
p0 981.5 ± 0.8071
1080
1060
1040
1020
1000
980
960
940
920

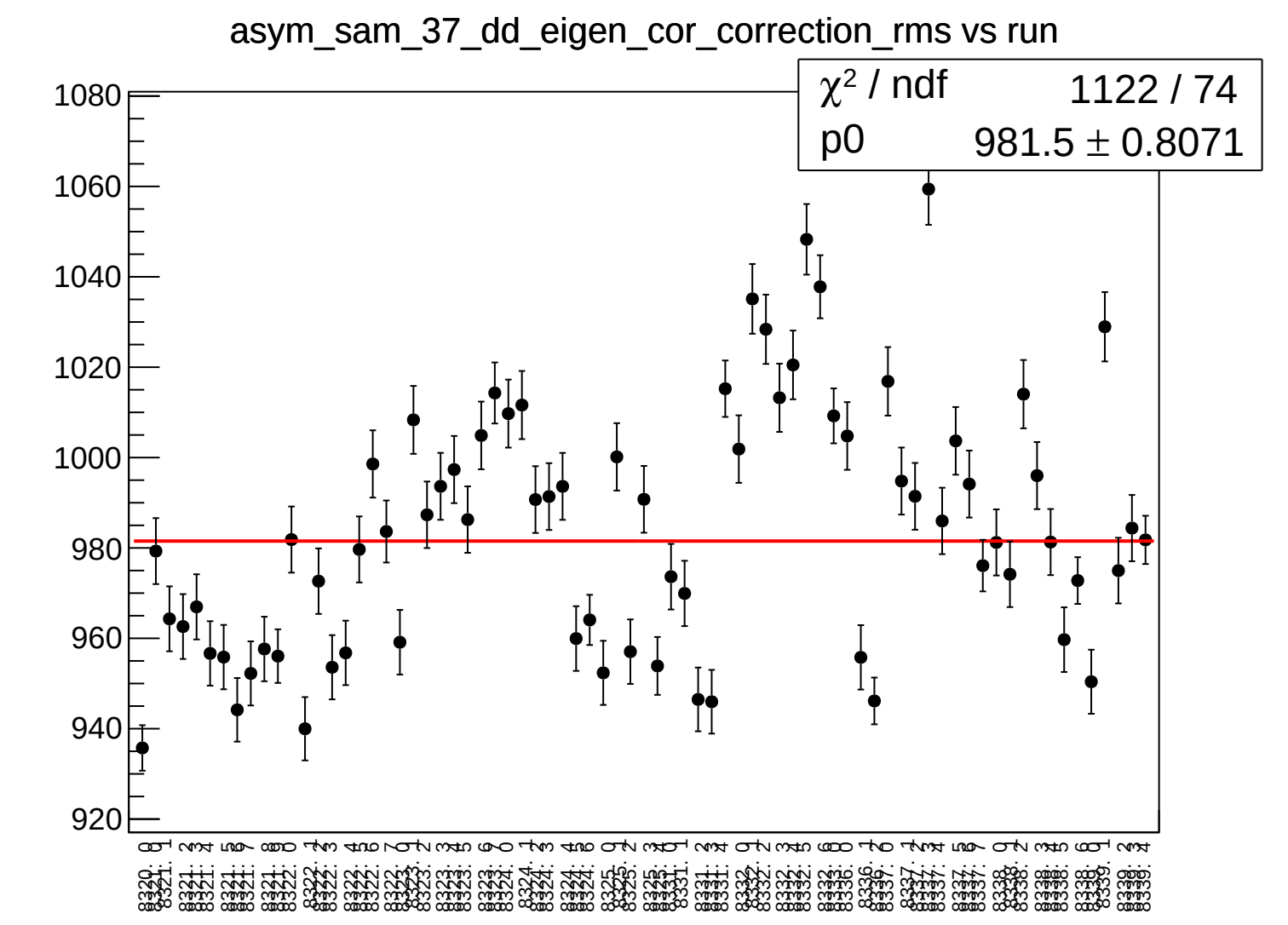

eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 71.42 / 74
p0 53.4 ± 118.9
pull
Entries 75
Mean 89.91
Std Dev 0

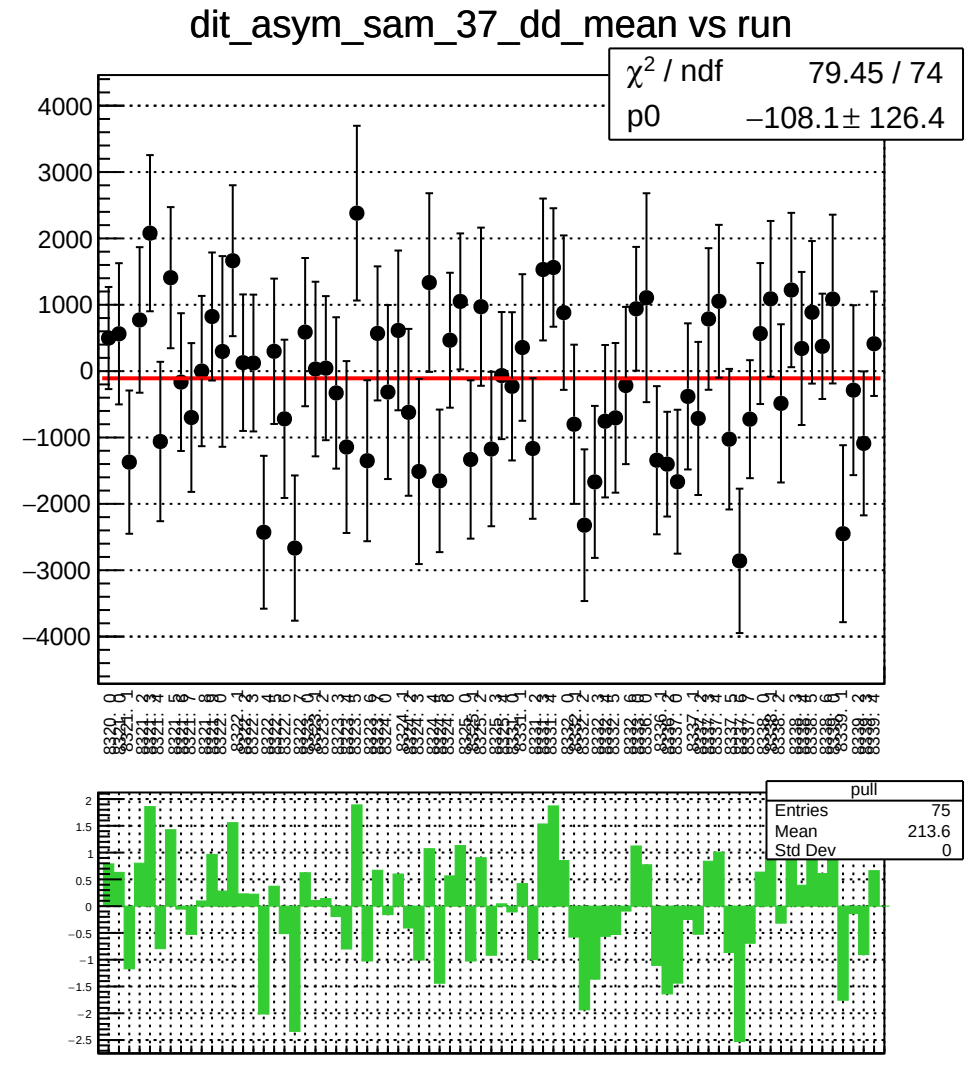

pull1D
Entries 75
Mean −0.0141
Std Dev 0.9757

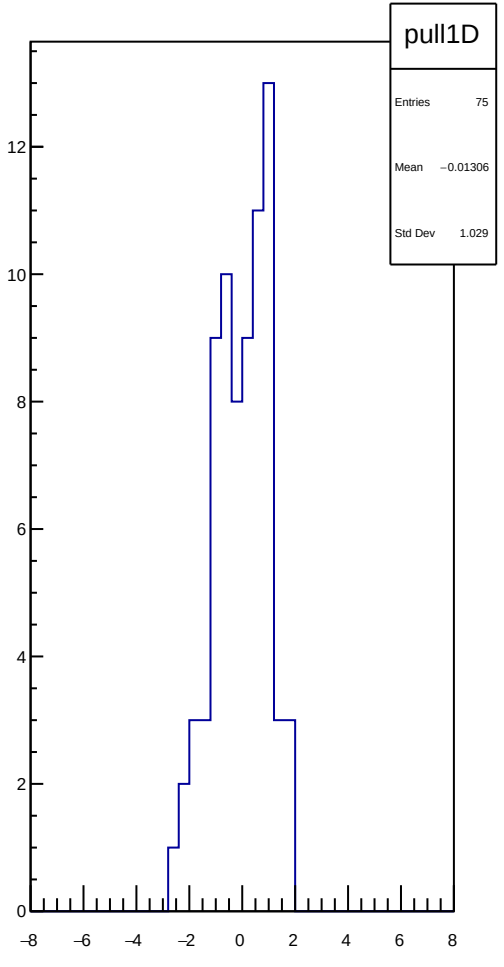

eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 8875 / 74
p0 102 ± 0.08407
150
140
130
120
110
100
90
80

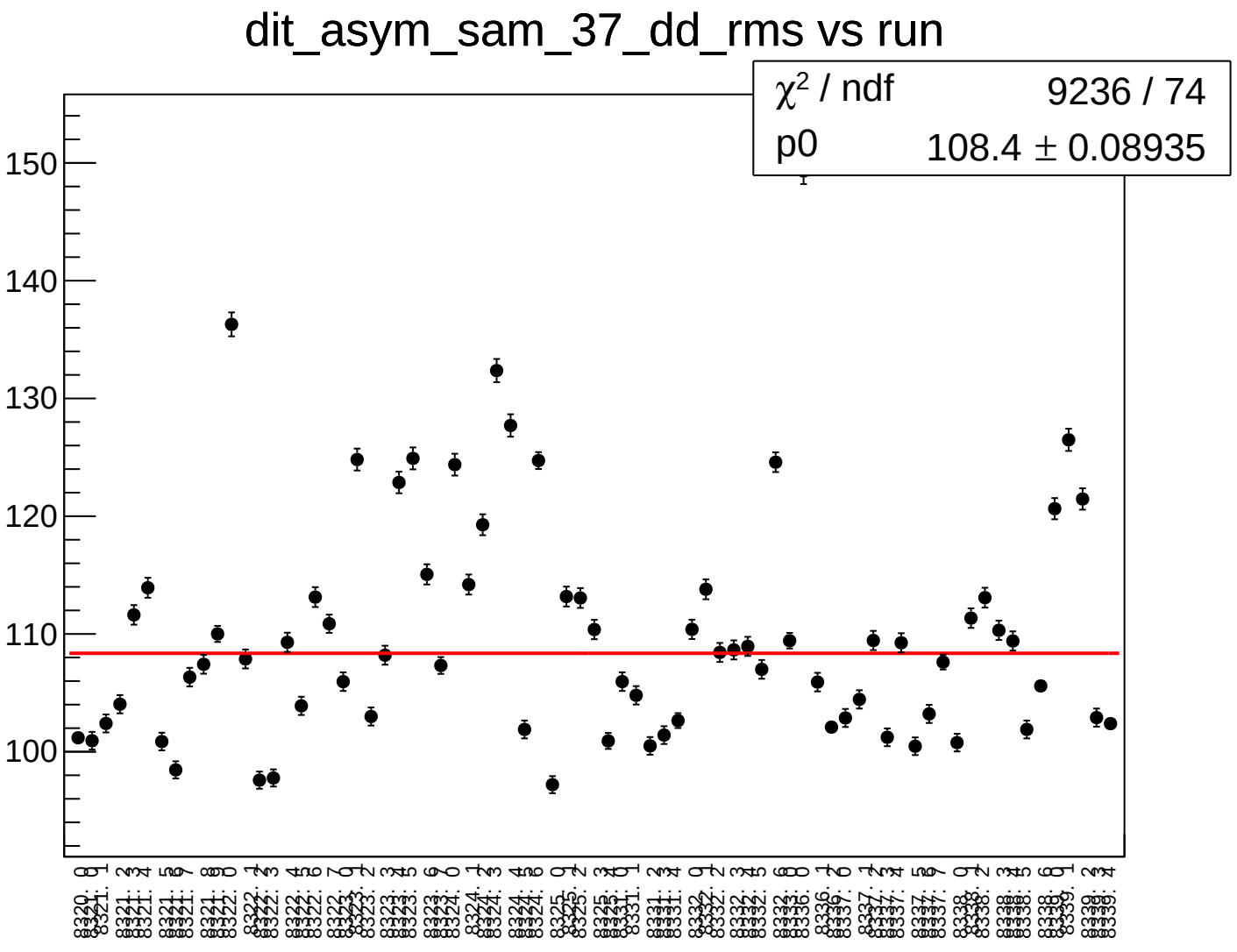

asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.25 / 74
p0 −3938 ± 1141
pull
Entries 75
Mean −483.7
Std Dev 0

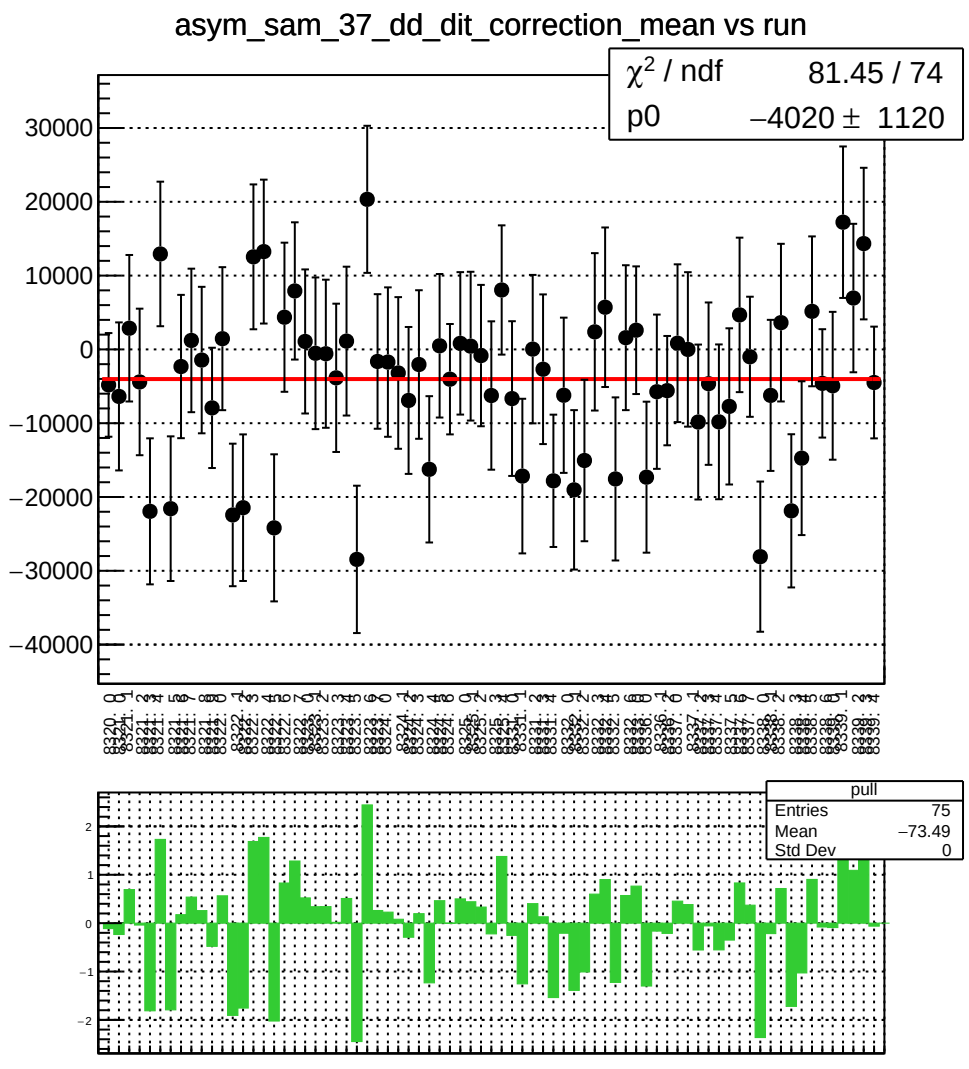

pull1D
Entries 75
Mean −0.001412
Std Dev 1.041

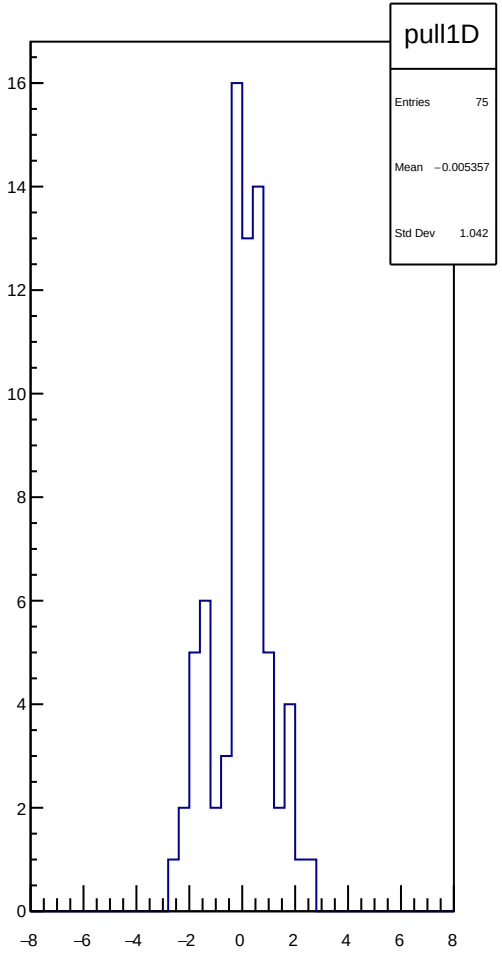

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 1122 / 74
p0 981.5 ± 0.8071
1080
1060
1040
1020
1000
980
960
940
920

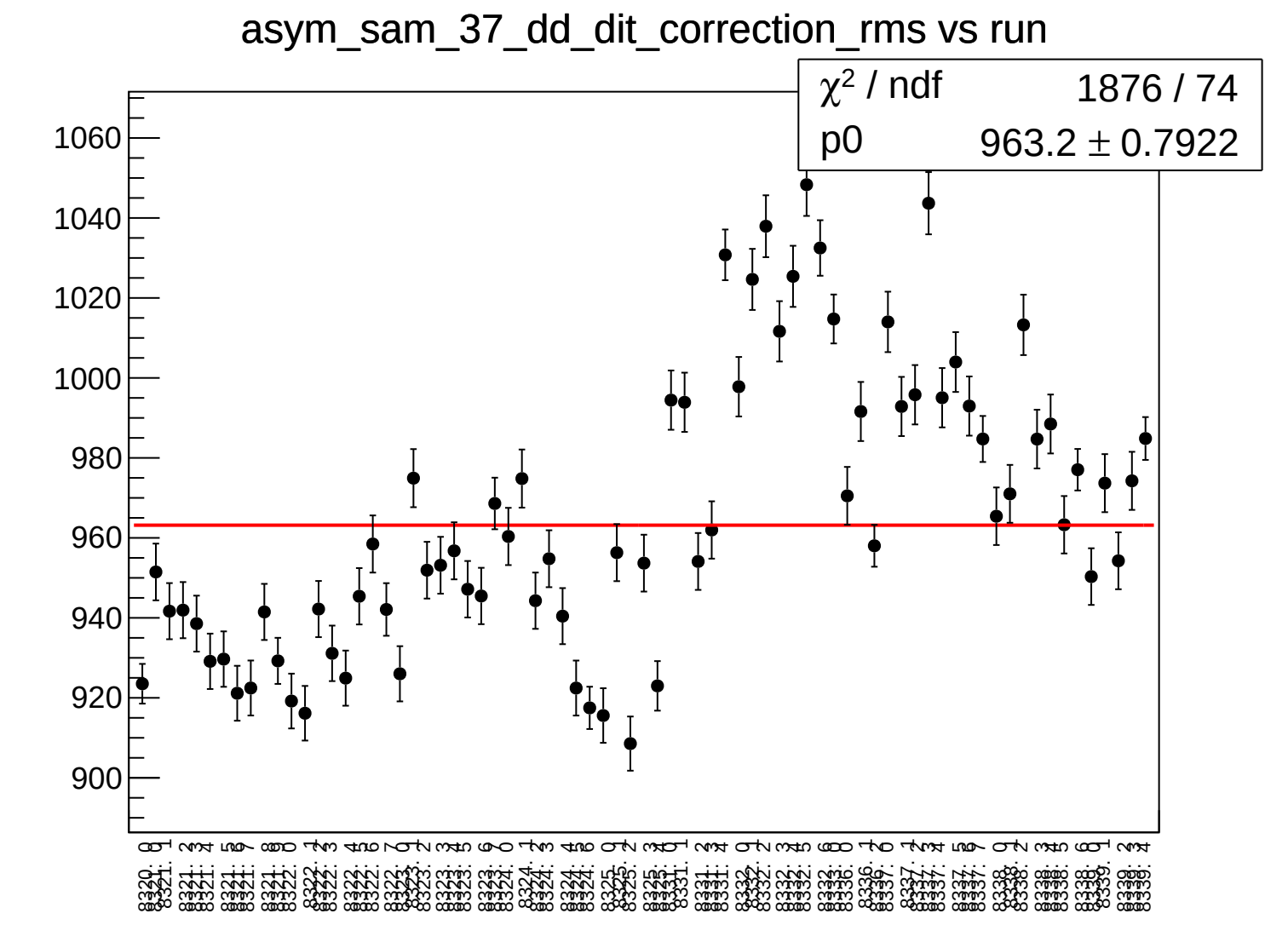

dit_asym_sam_37_dd_mean vs run
χ² / ndf 79.45 / 74
p0 −108.1± 126.4
pull
Entries 75
Mean 213.6
Std Dev 0

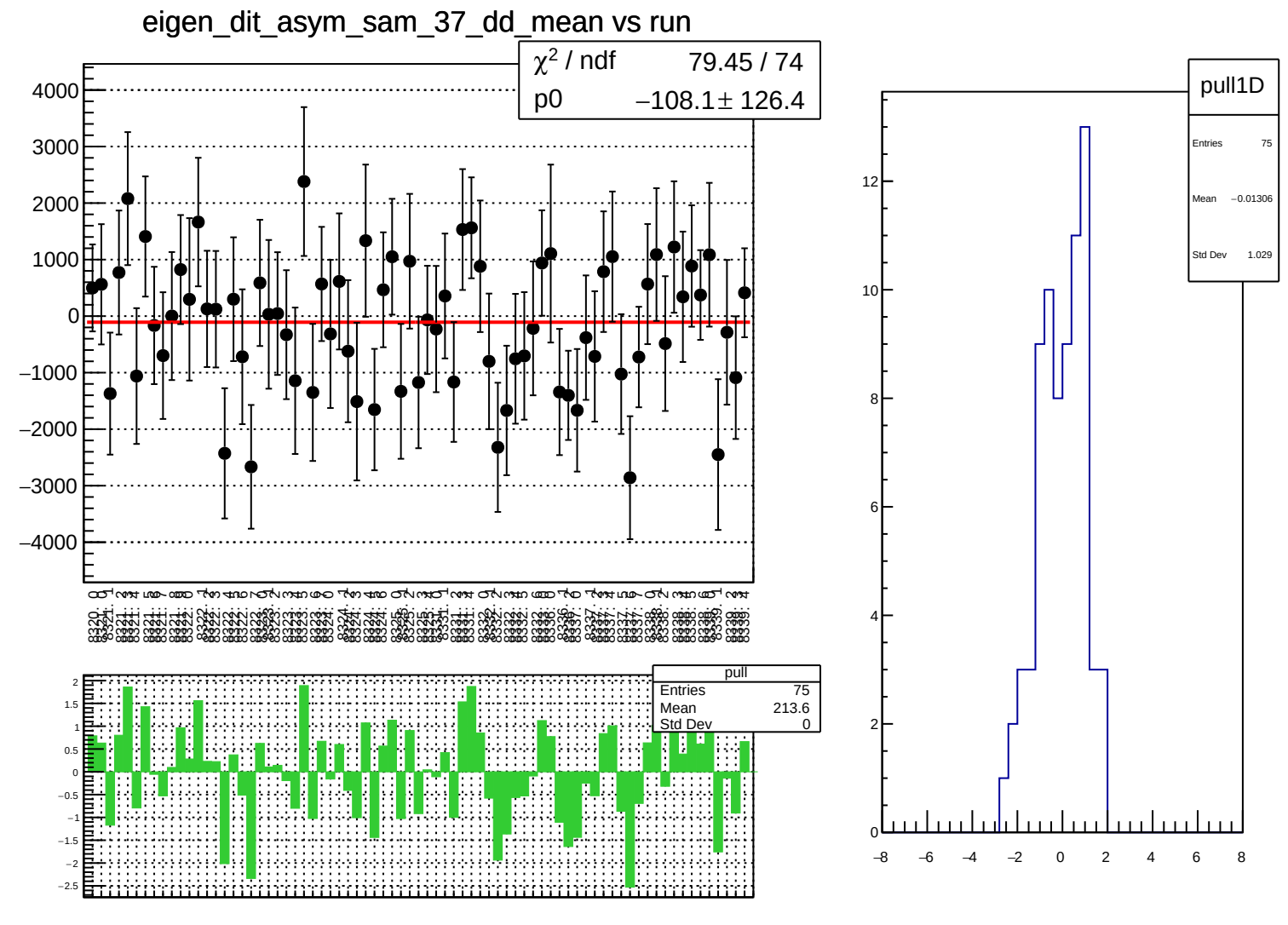

pull1D
Entries 75
Mean −0.01306
Std Dev 1.029

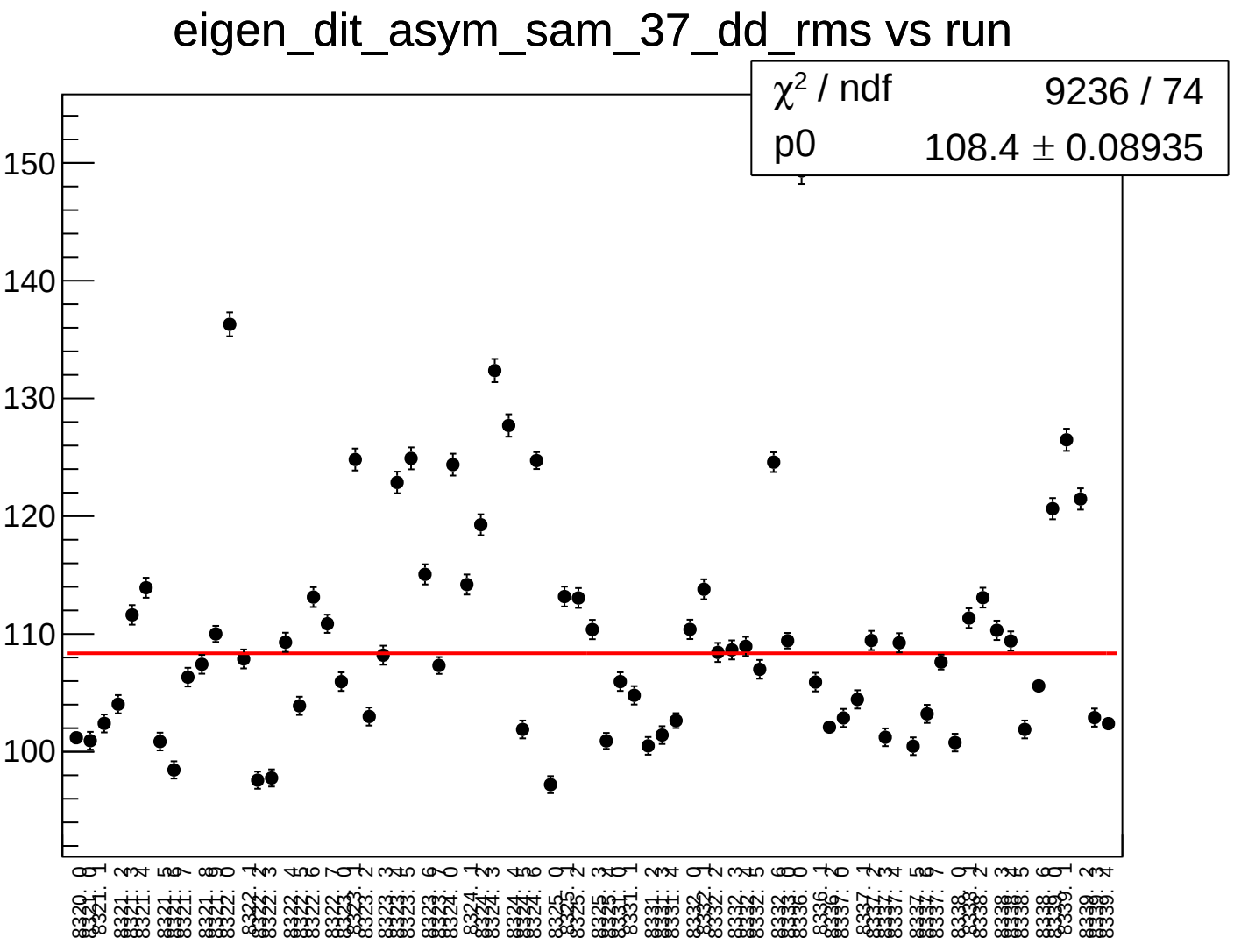

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 9236 / 74
p0 108.4 ± 0.08935
150
140
130
120
110
100

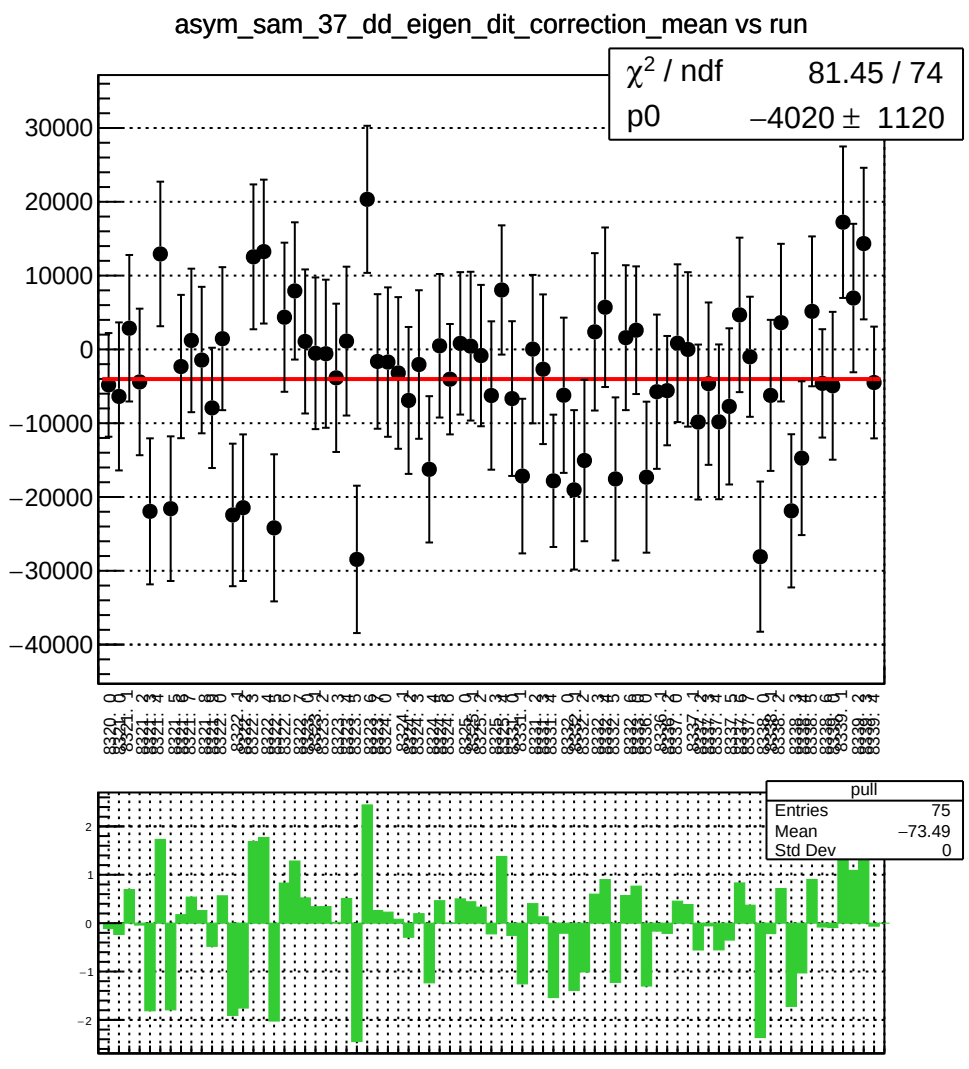

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 81.45 / 74
p0 −4020 ± 1120
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 75
Mean −73.49
Std Dev 0
2
1
0
−1
−2

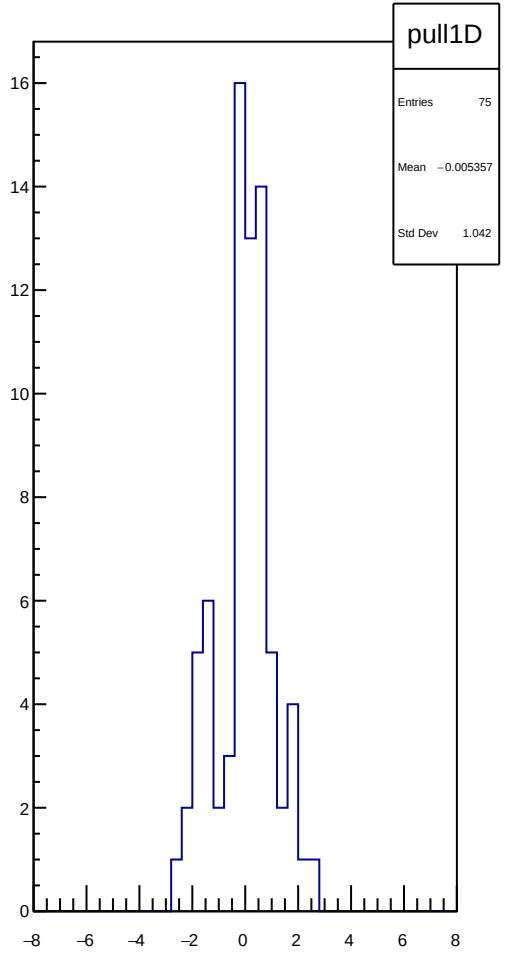

pull1D
Entries 75
Mean −0.005357
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

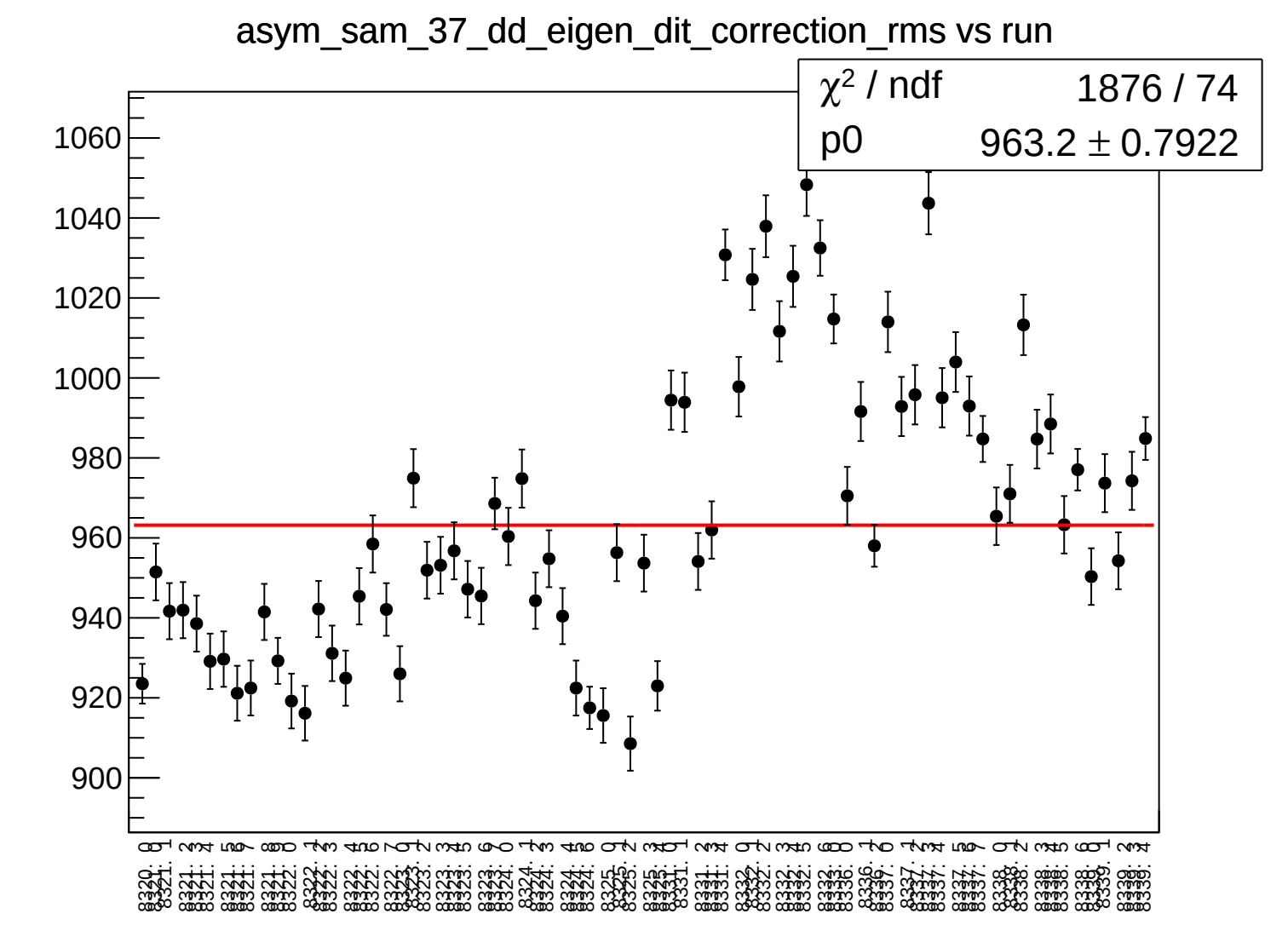

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 1876 / 74
p0 963.2 ± 0.7922
1060
1040
1020
1000
980
960
940
920
900

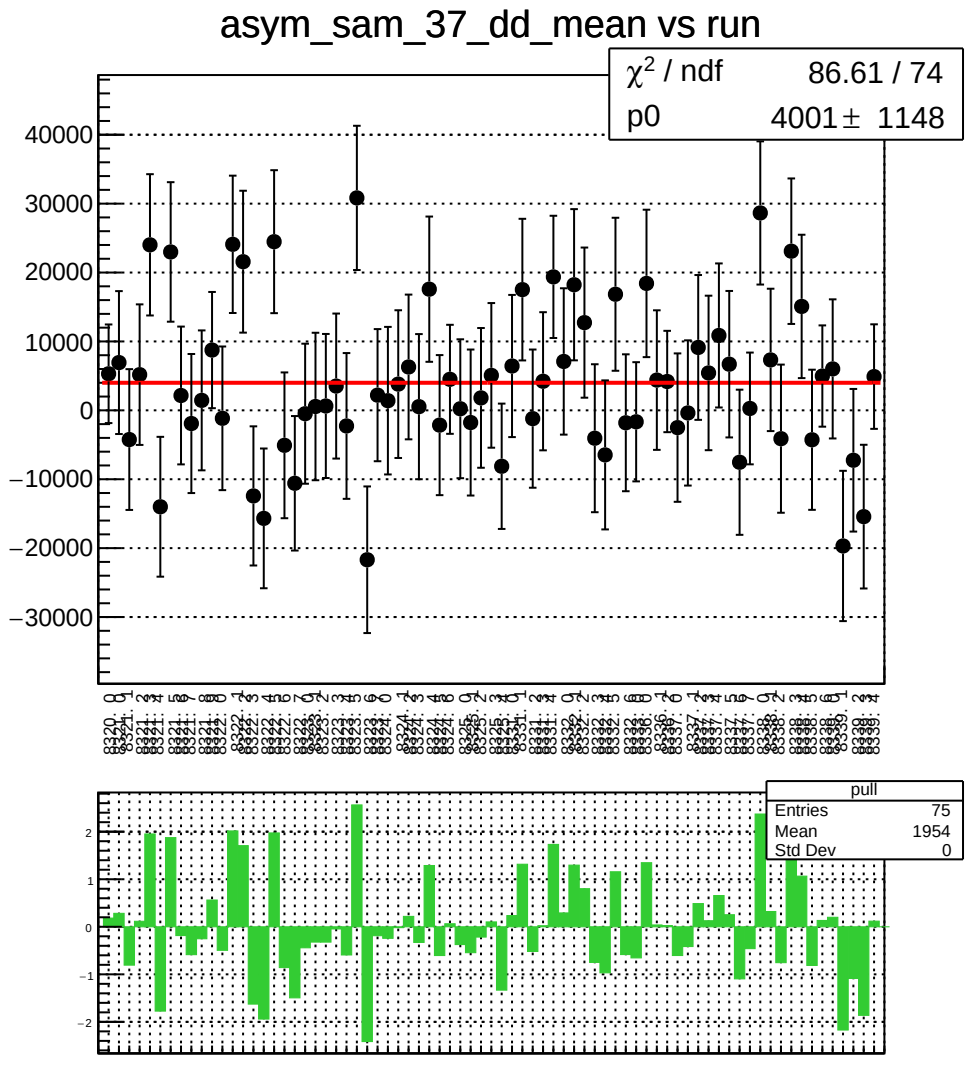

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 79.45 / 74
p0 −108.1± 126.4
pull
Entries 75
Mean 213.6
Std Dev 0
pull1D
Entries 75
Mean −0.01306
Std Dev 1.029

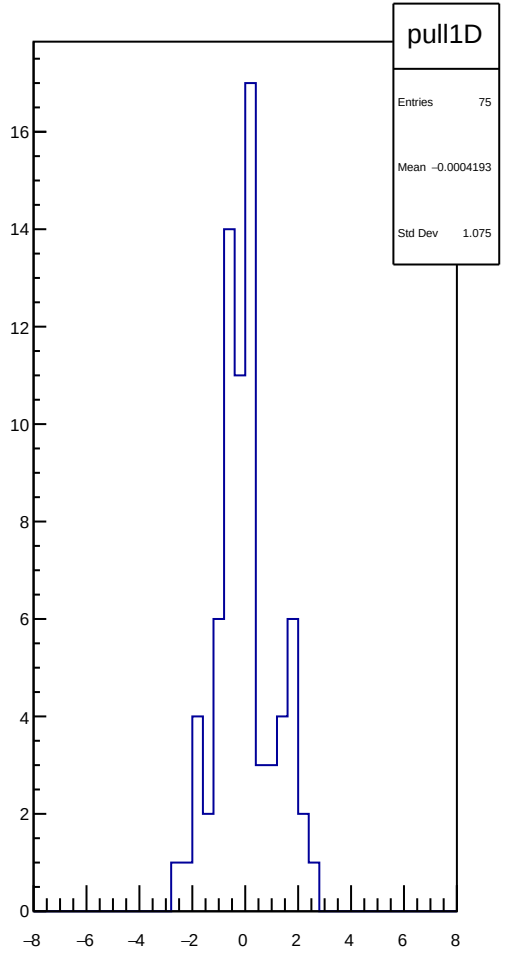

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 9236 / 74
p0 108.4 ± 0.08935
150
140
130
120
110
100

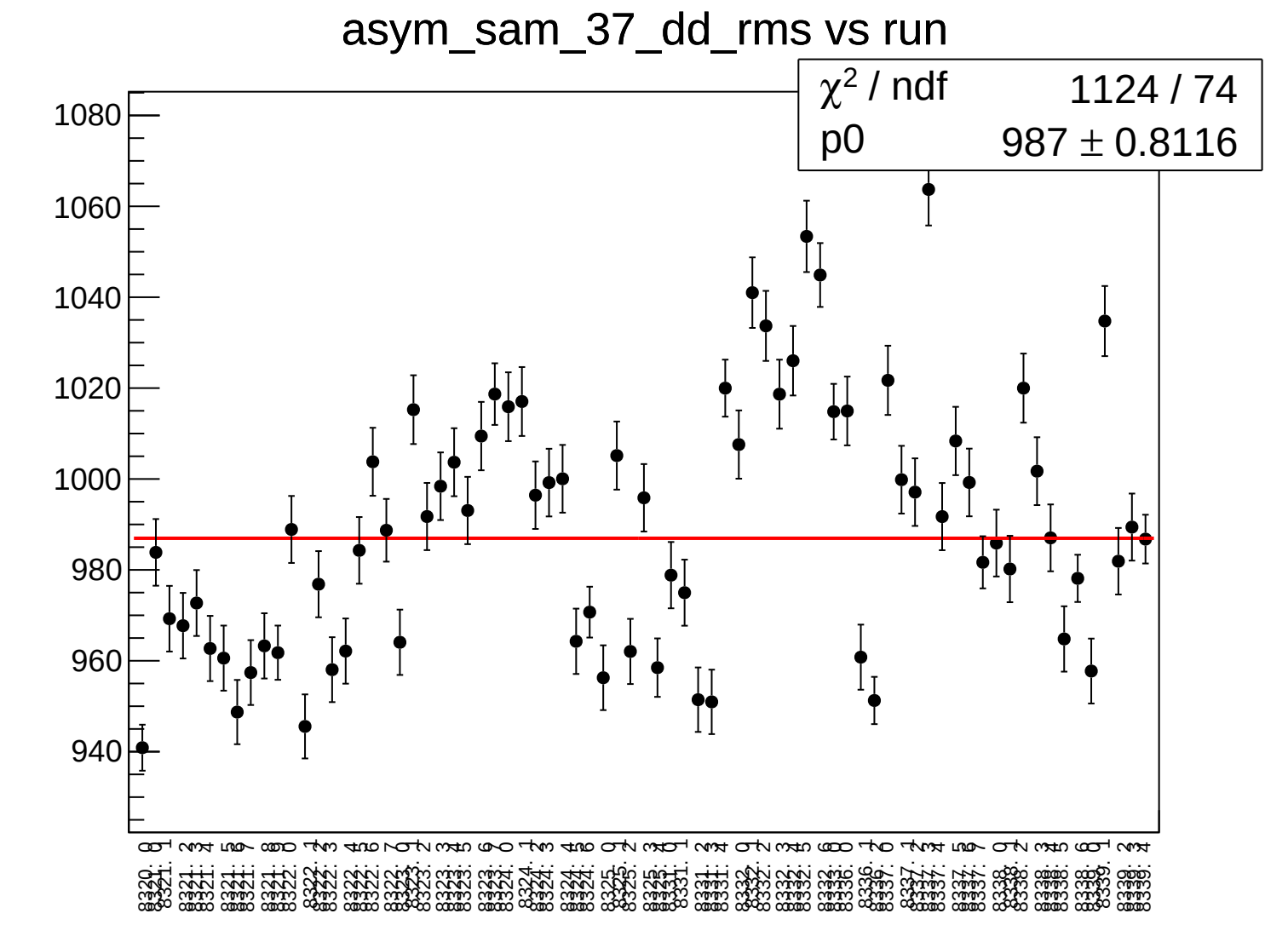

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 81.45 / 74
p0 −4020 ± 1120
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 75
Mean −73.49
Std Dev 0
2
1
0
−1
−2

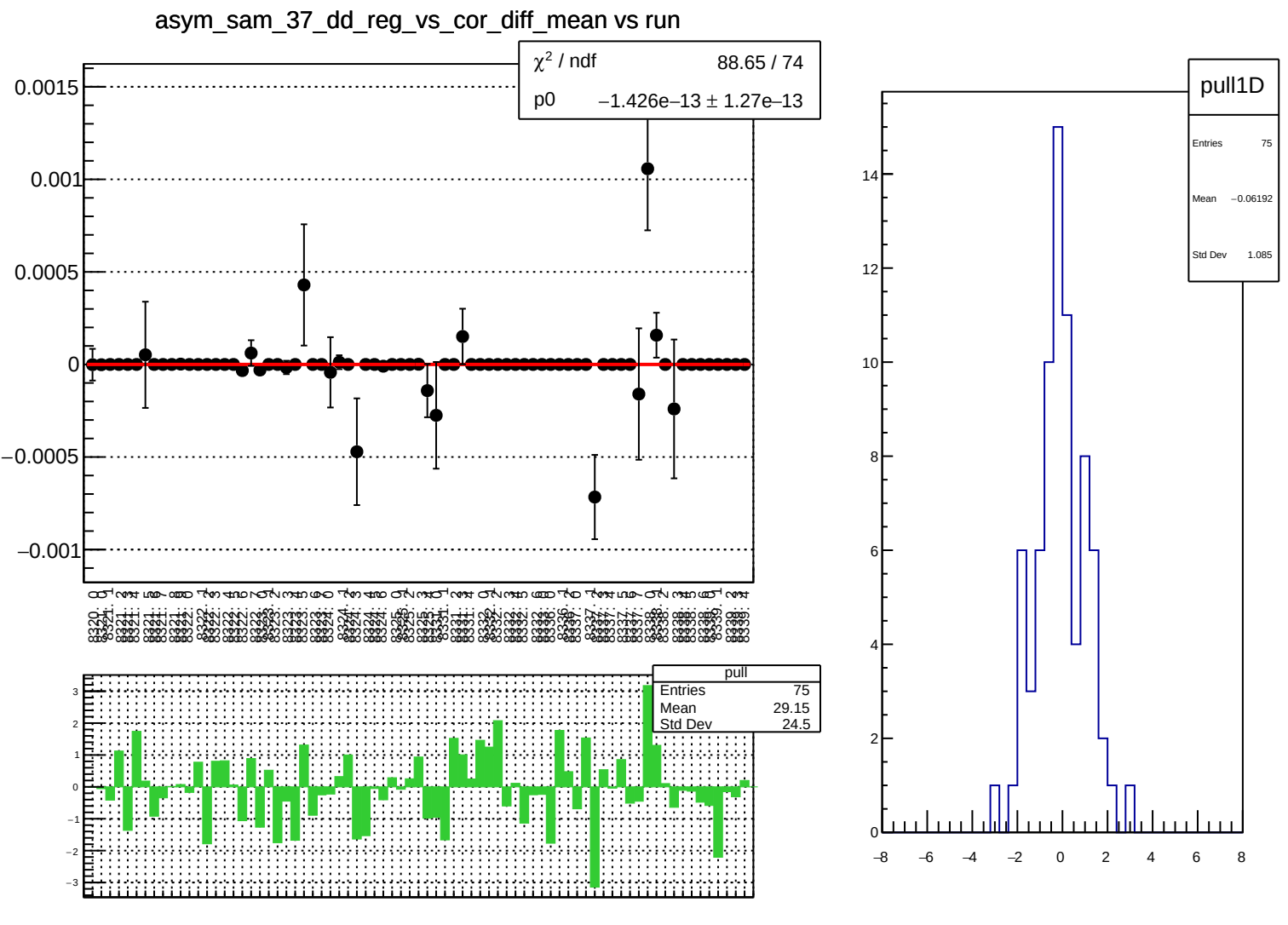

pull1D
Entries 75
Mean −0.005357
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

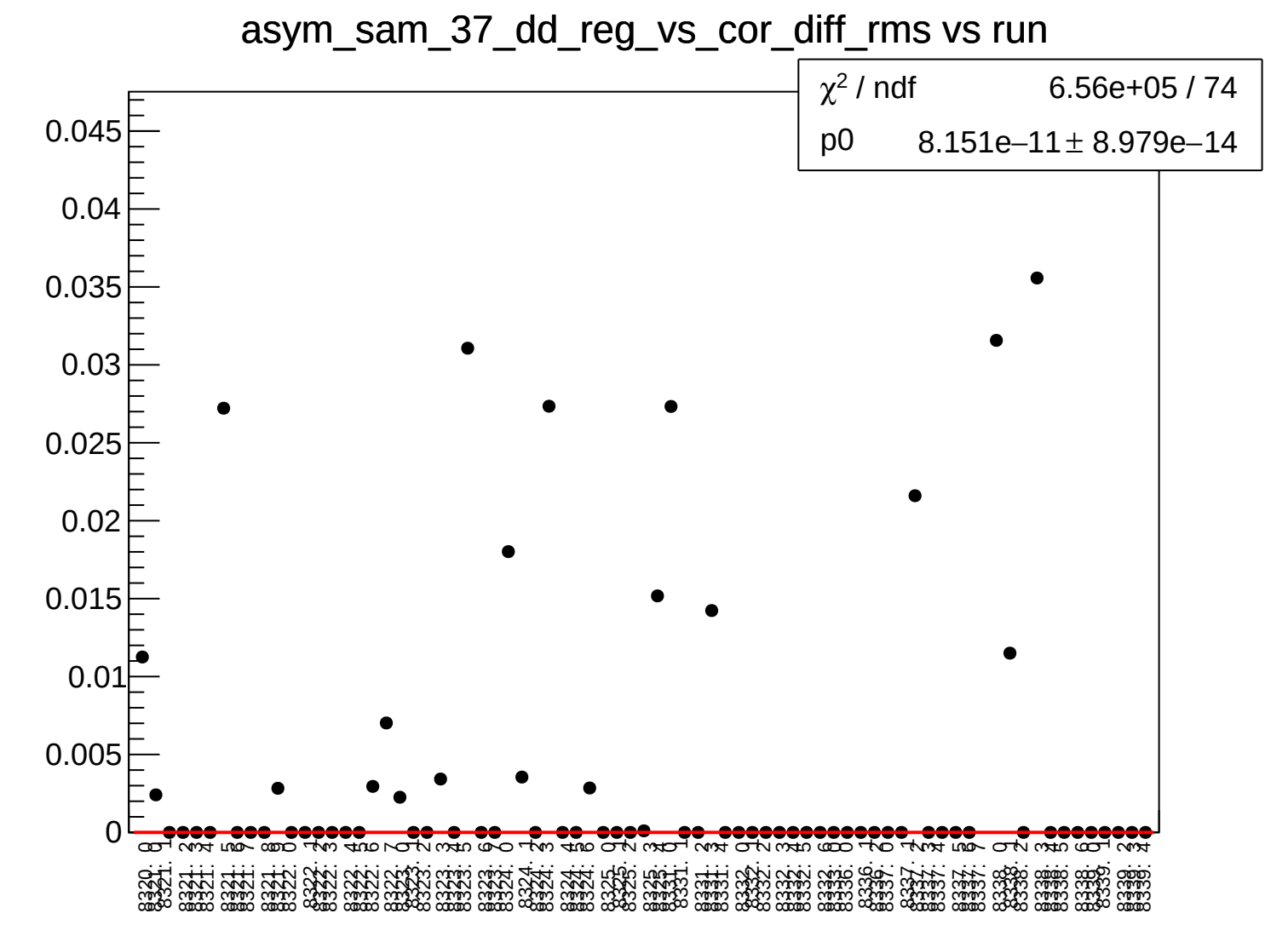

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 1876 / 74
p0 963.2 ± 0.7922
1060
1040
1020
1000
980
960
940
920
900

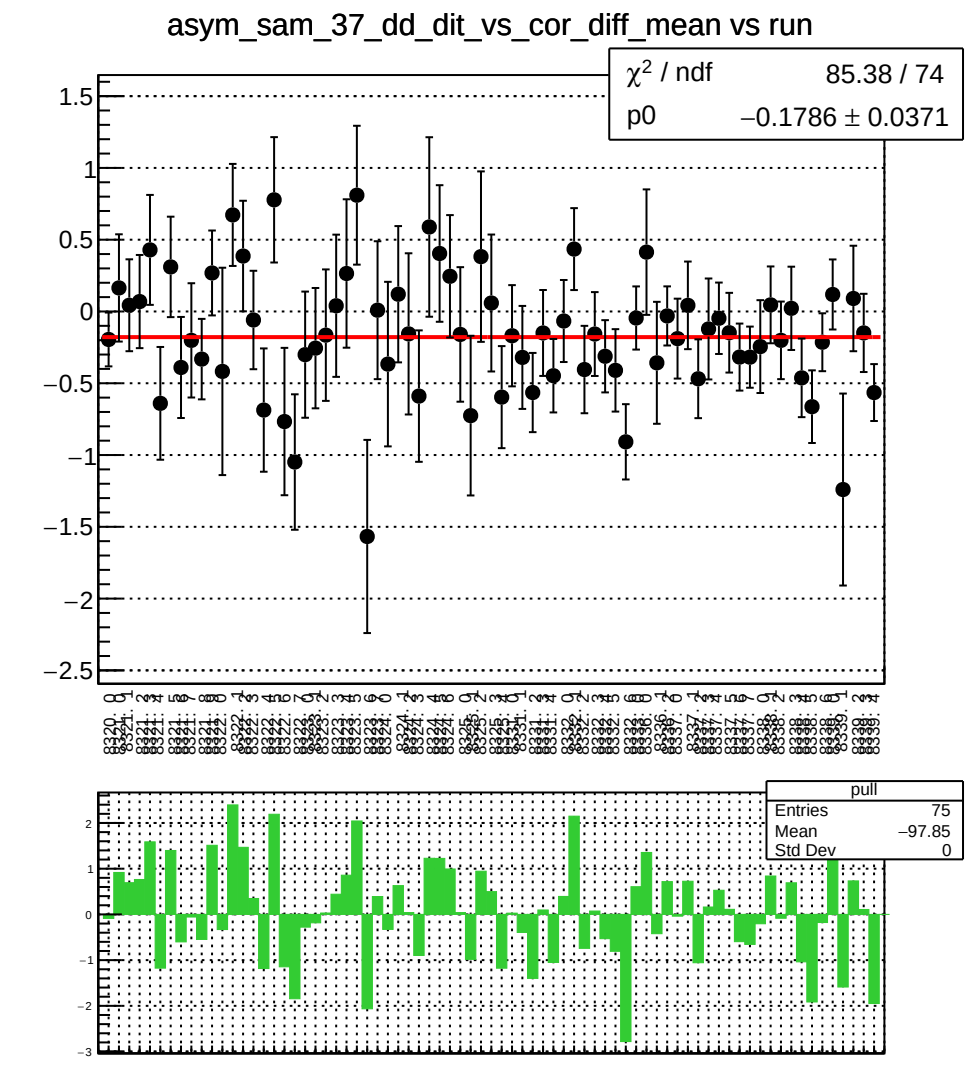

asym_sam_37_dd_mean vs run
χ² / ndf 86.61 / 74
p0 4001 ± 1148
pull
Entries 75
Mean 1954
Std Dev 0

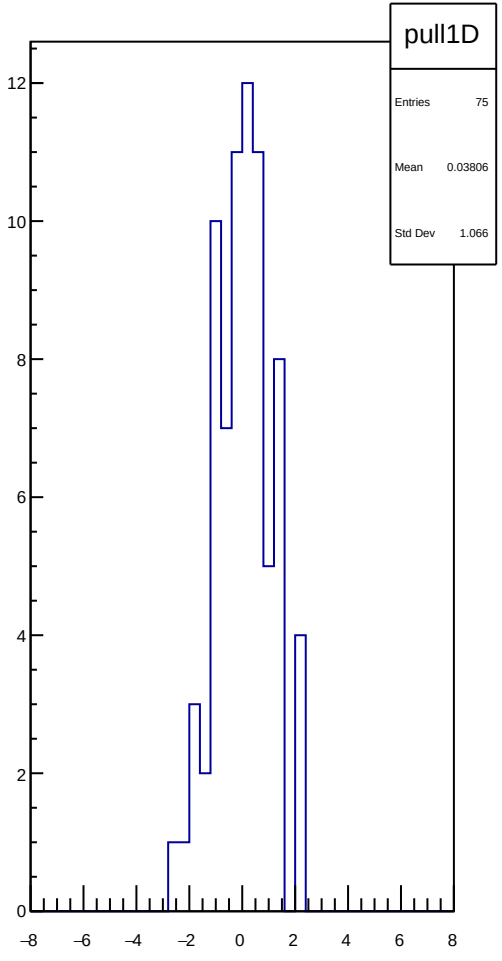

pull1D
Entries 75
Mean −0.0004193
Std Dev 1.075

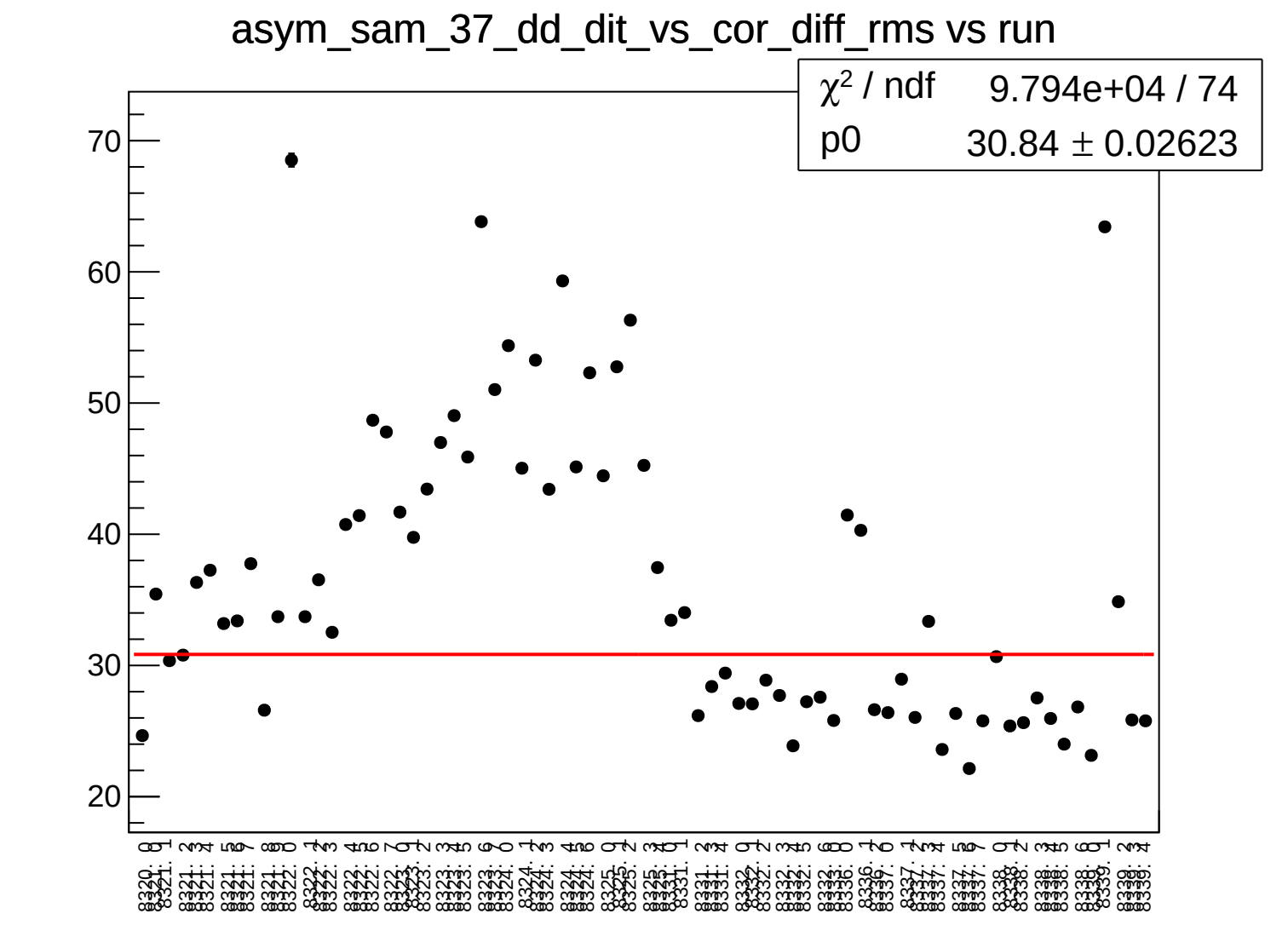

asym_sam_37_dd_rms vs run
χ² / ndf 1124 / 74
p0 987 ± 0.8116
1080
1060
1040
1020
1000
980
960
940

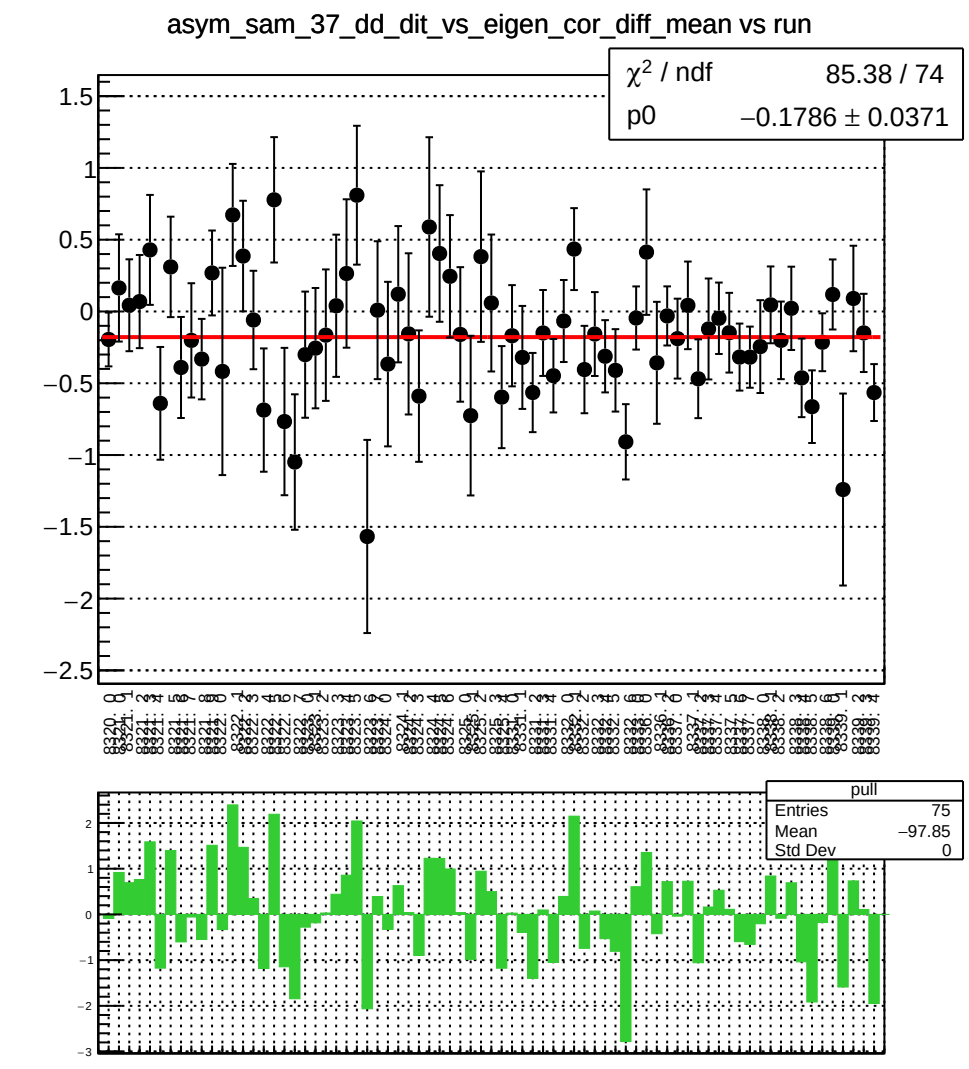

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 88.65 / 74
p0 −1.426e−13 ± 1.27e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean 29.15
Std Dev 24.5
3
2
1
0
−1
−2
−3
pull1D
Entries 75
Mean −0.06192
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

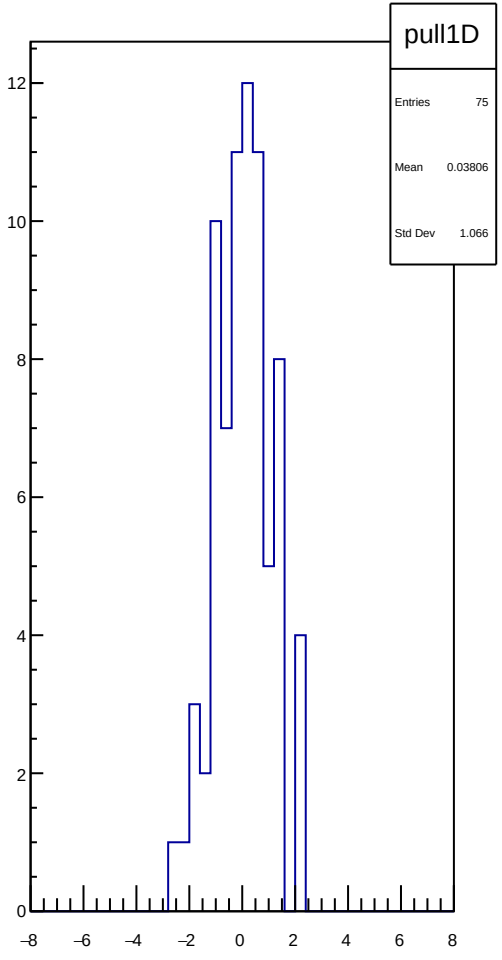

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.56e+05 / 74
p0 8.151e−11 ± 8.979e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

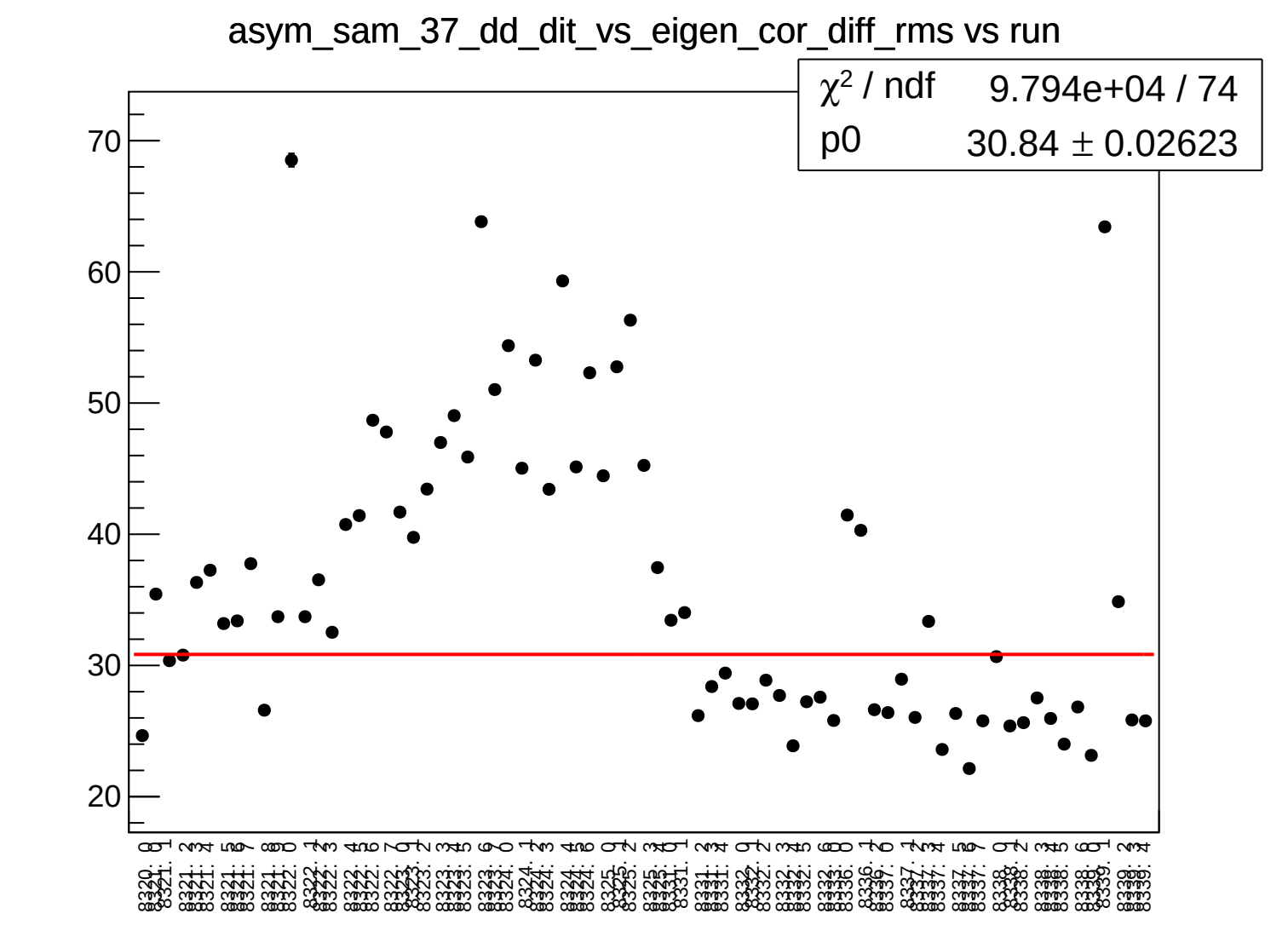

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.38 / 74
p0 −0.1786 ± 0.0371
pull
Entries 75
Mean −97.85
Std Dev 0

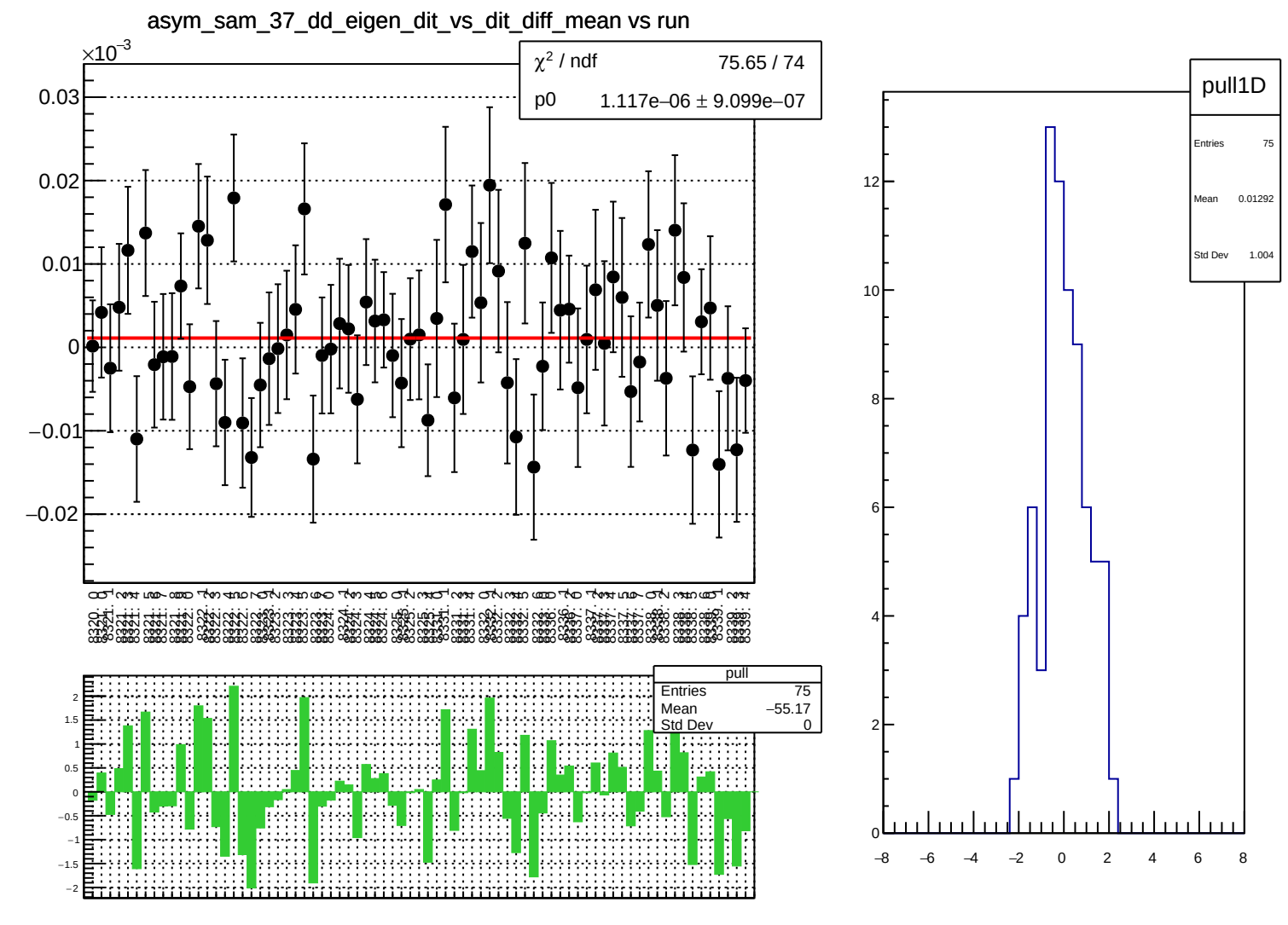

pull1D
Entries 75
Mean 0.03806
Std Dev 1.066

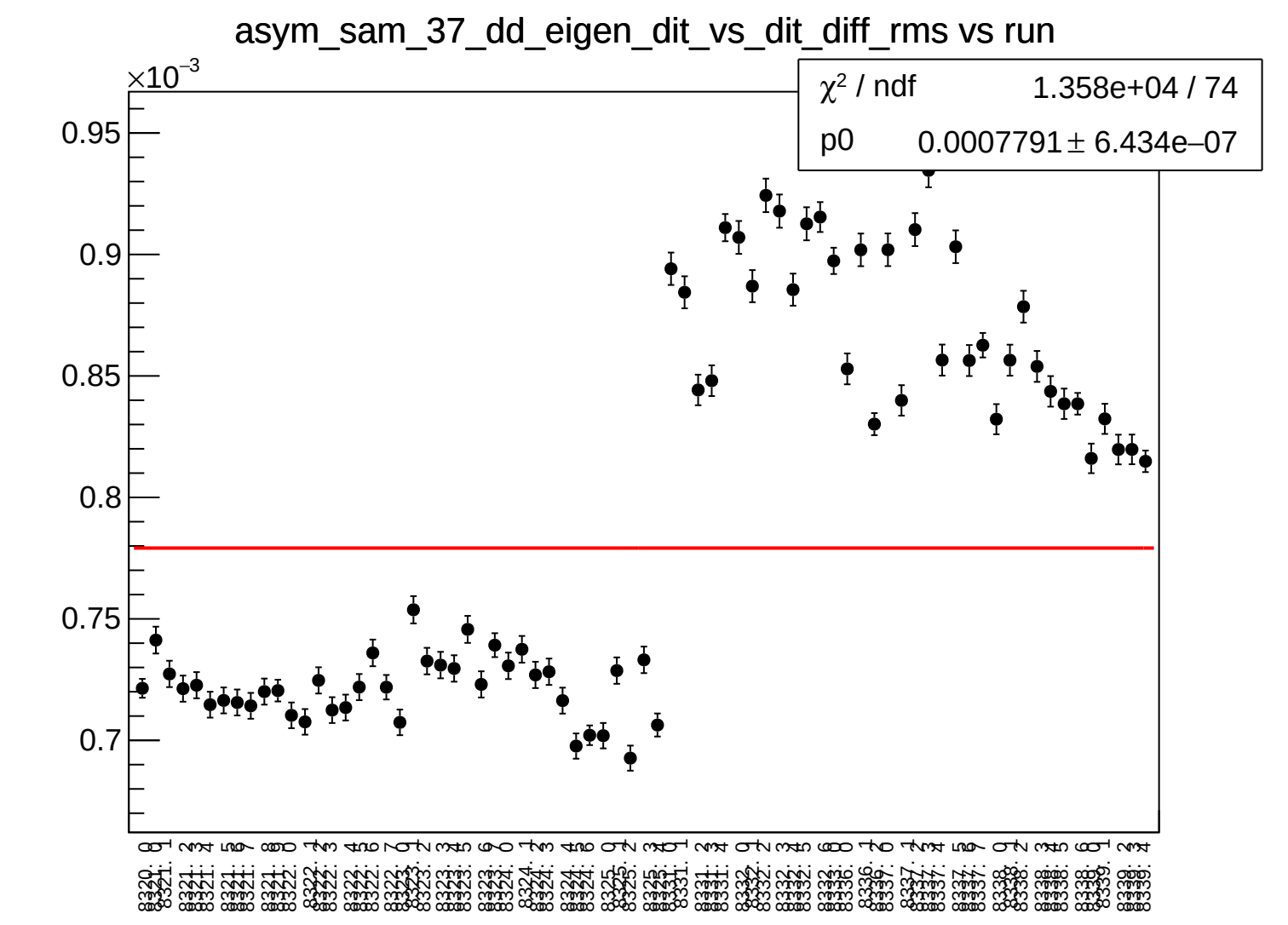

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9.794e+04 / 74
p0 30.84 ± 0.02623
70
60
50
40
30
20

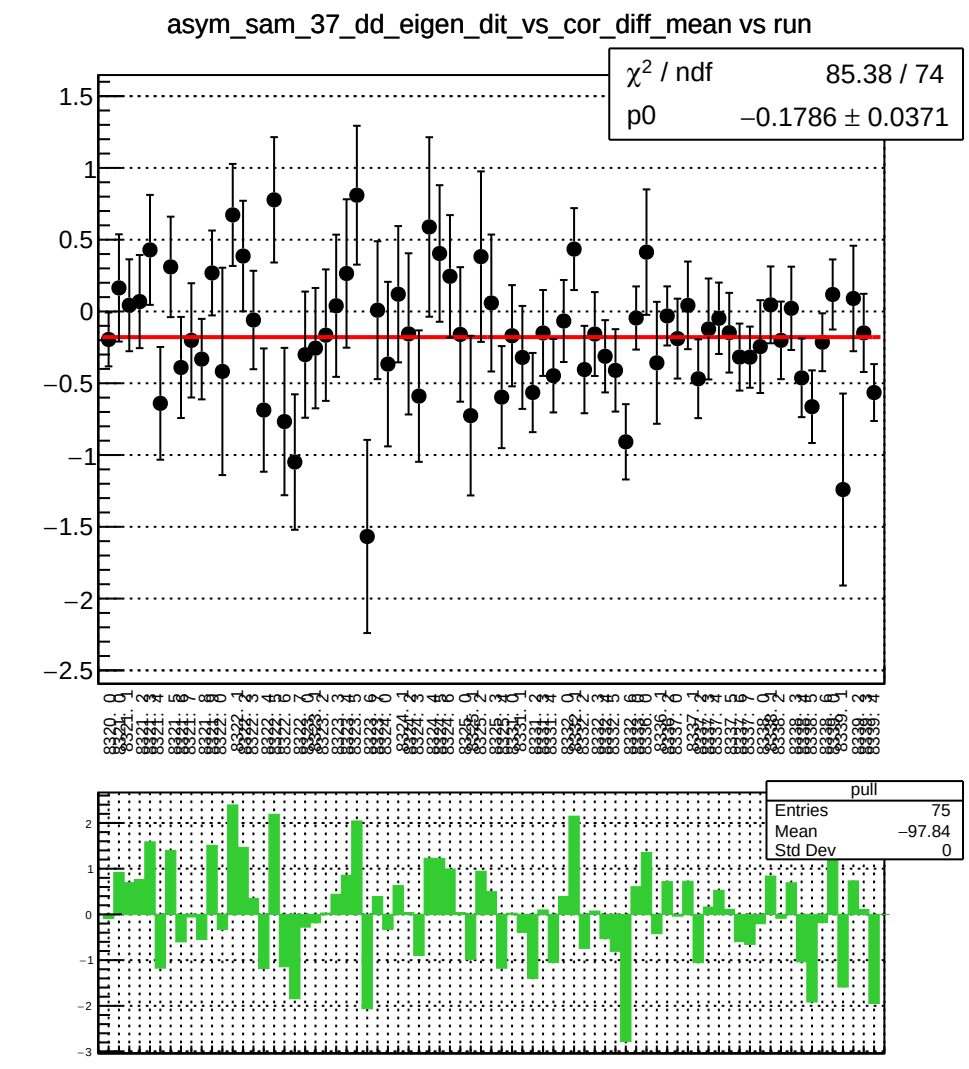

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.38 / 74
p0 −0.1786 ± 0.0371
pull
Entries 75
Mean −97.85
Std Dev 0

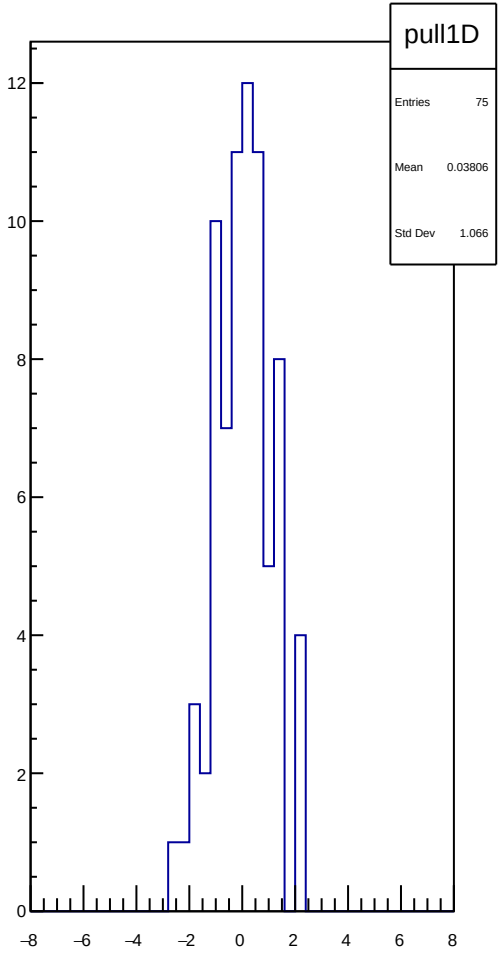

pull1D
Entries 75
Mean 0.03806
Std Dev 1.066

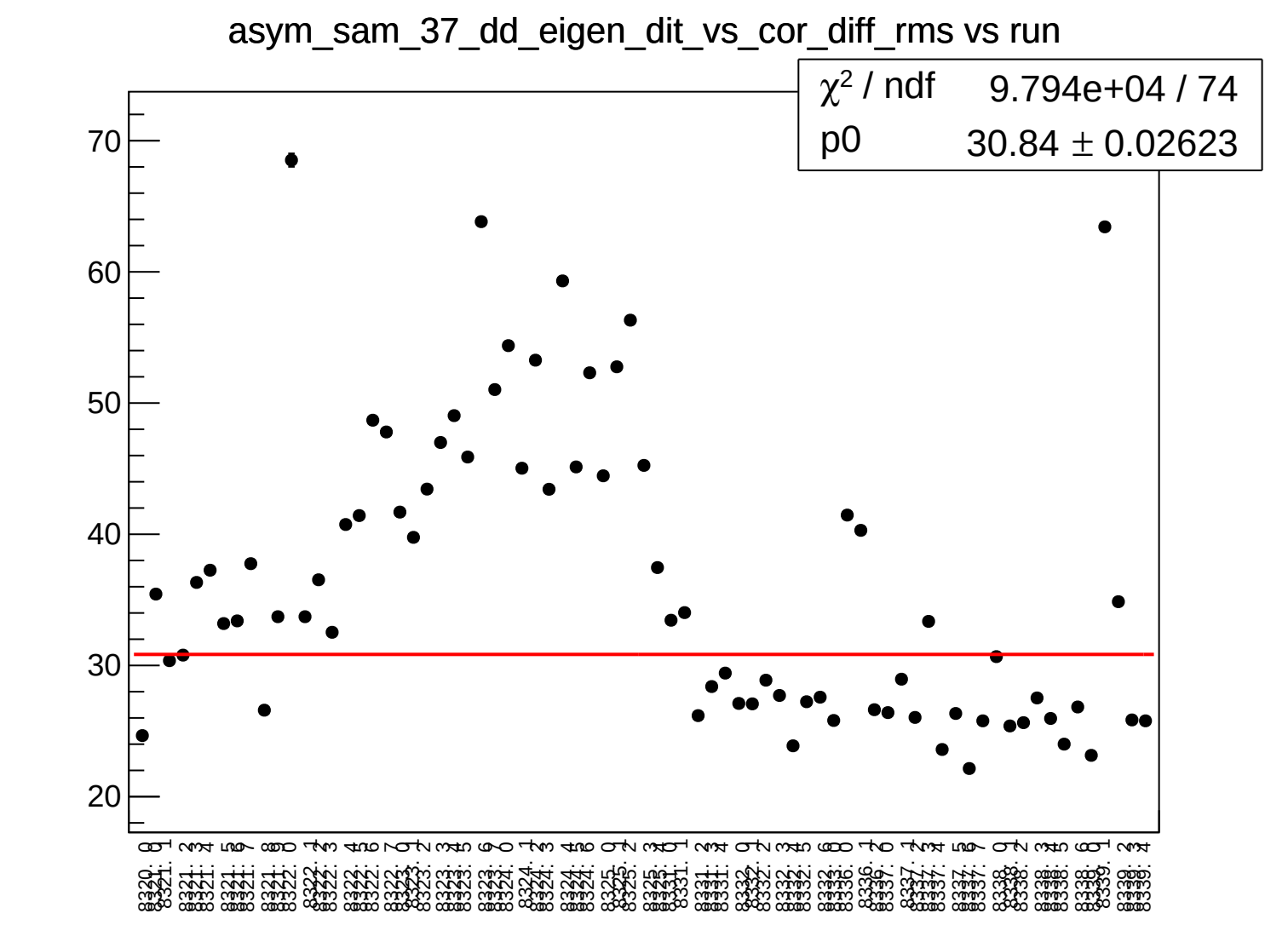

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.794e+04 / 74
p0 30.84 ± 0.02623
70
60
50
40
30
20

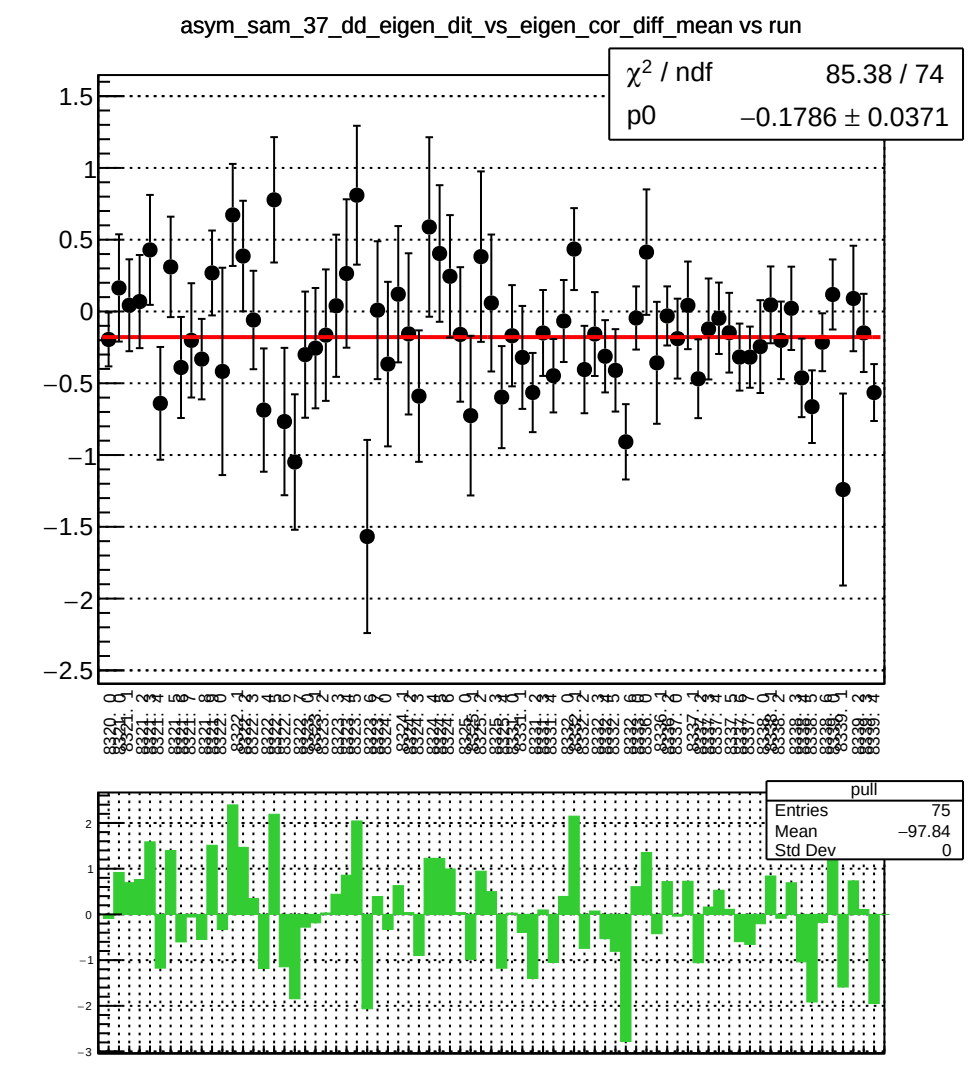

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.65 / 74
p0 1.117e−06 ± 9.099e−07
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 75
Mean −55.17
Std Dev 0
pull1D
Entries 75
Mean 0.01292
Std Dev 1.004

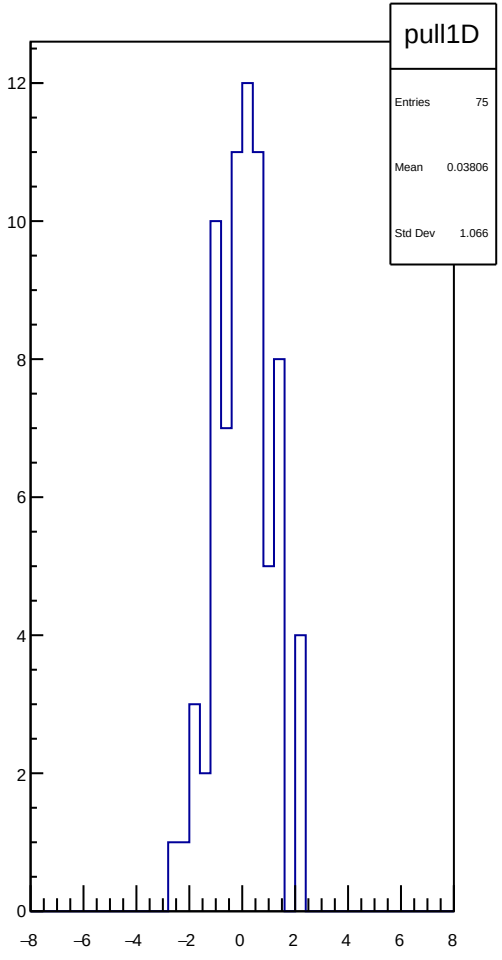

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.358e+04 / 74
p0 0.0007791 ± 6.434e−07
0.95
0.9
0.85
0.8
0.75
0.7

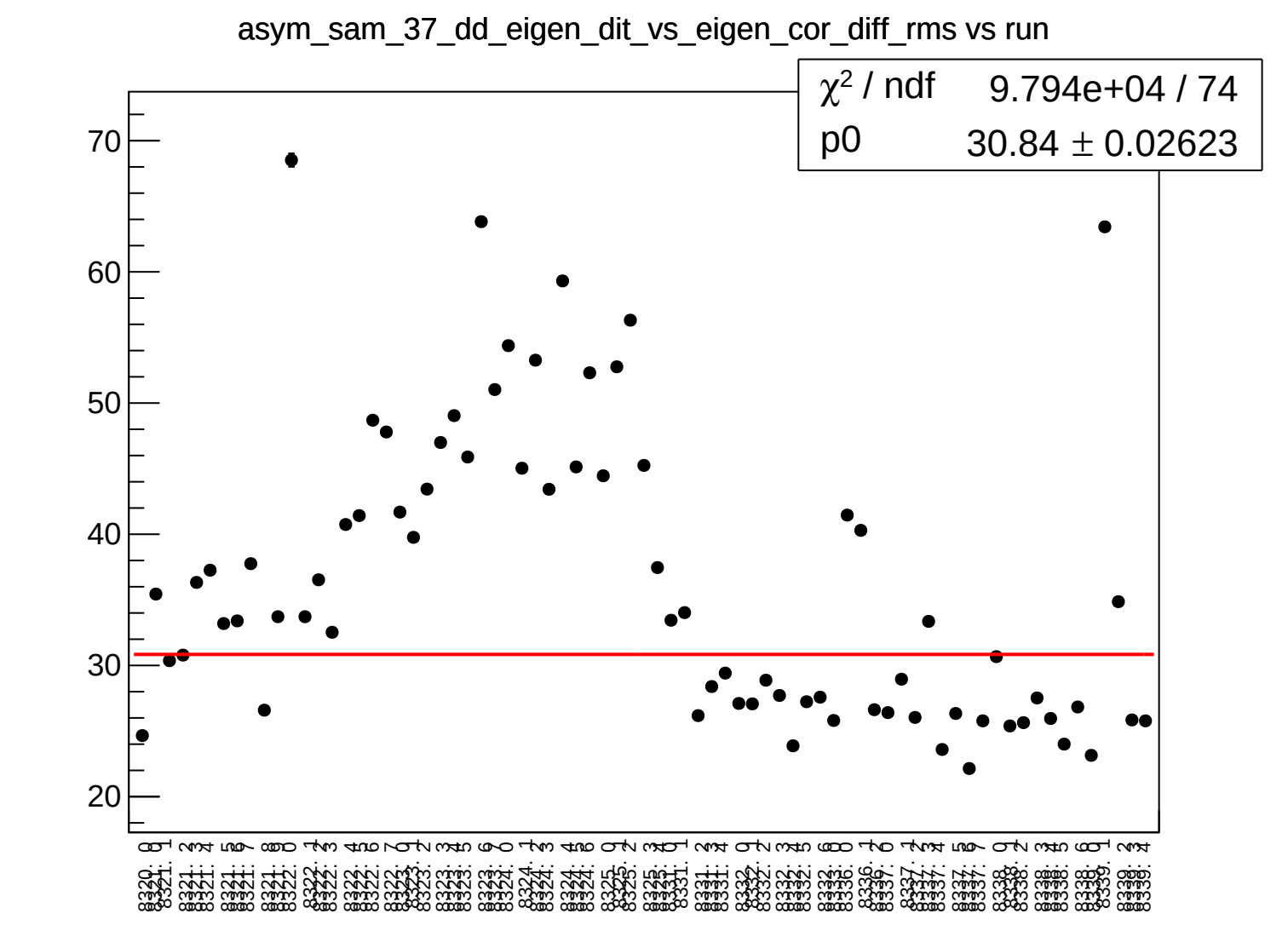

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.38 / 74
p0 −0.1786 ± 0.0371
pull
Entries 75
Mean −97.84
Std Dev 0

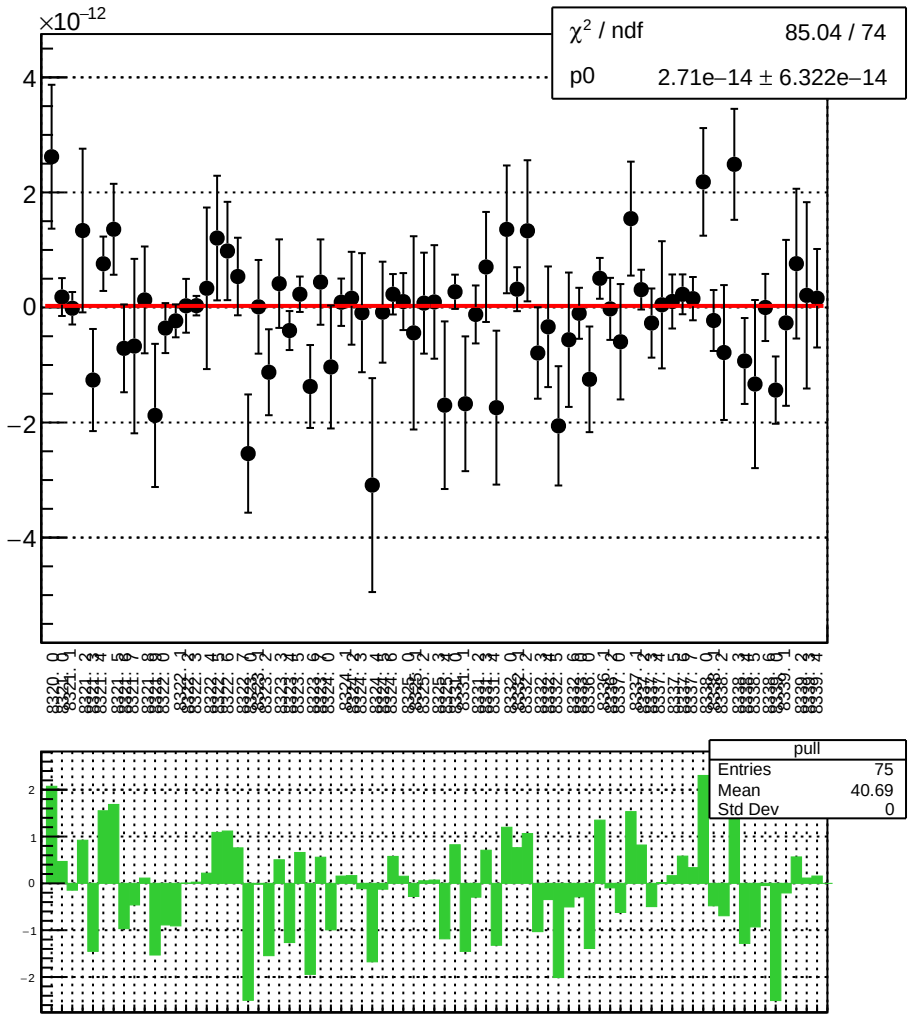

pull1D
Entries 75
Mean 0.03806
Std Dev 1.066

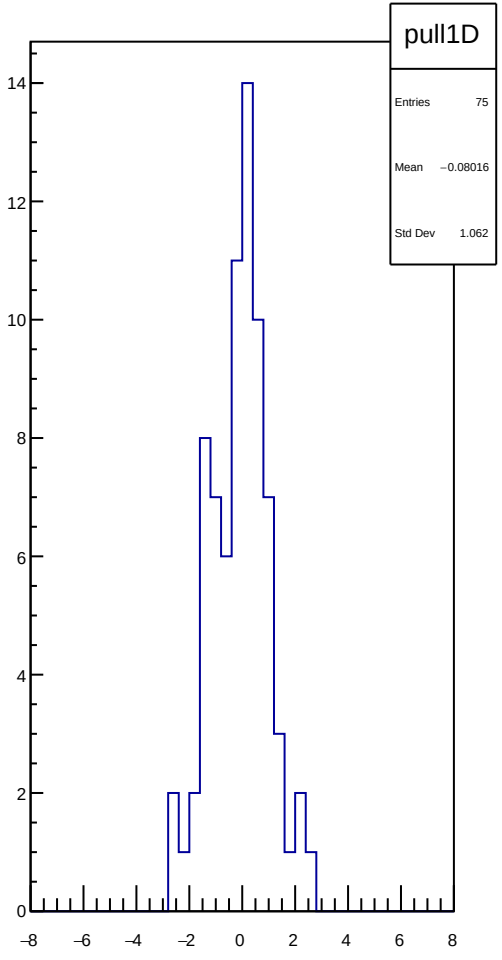

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.794e+04 / 74
p0 30.84 ± 0.02623
70
60
50
40
30
20

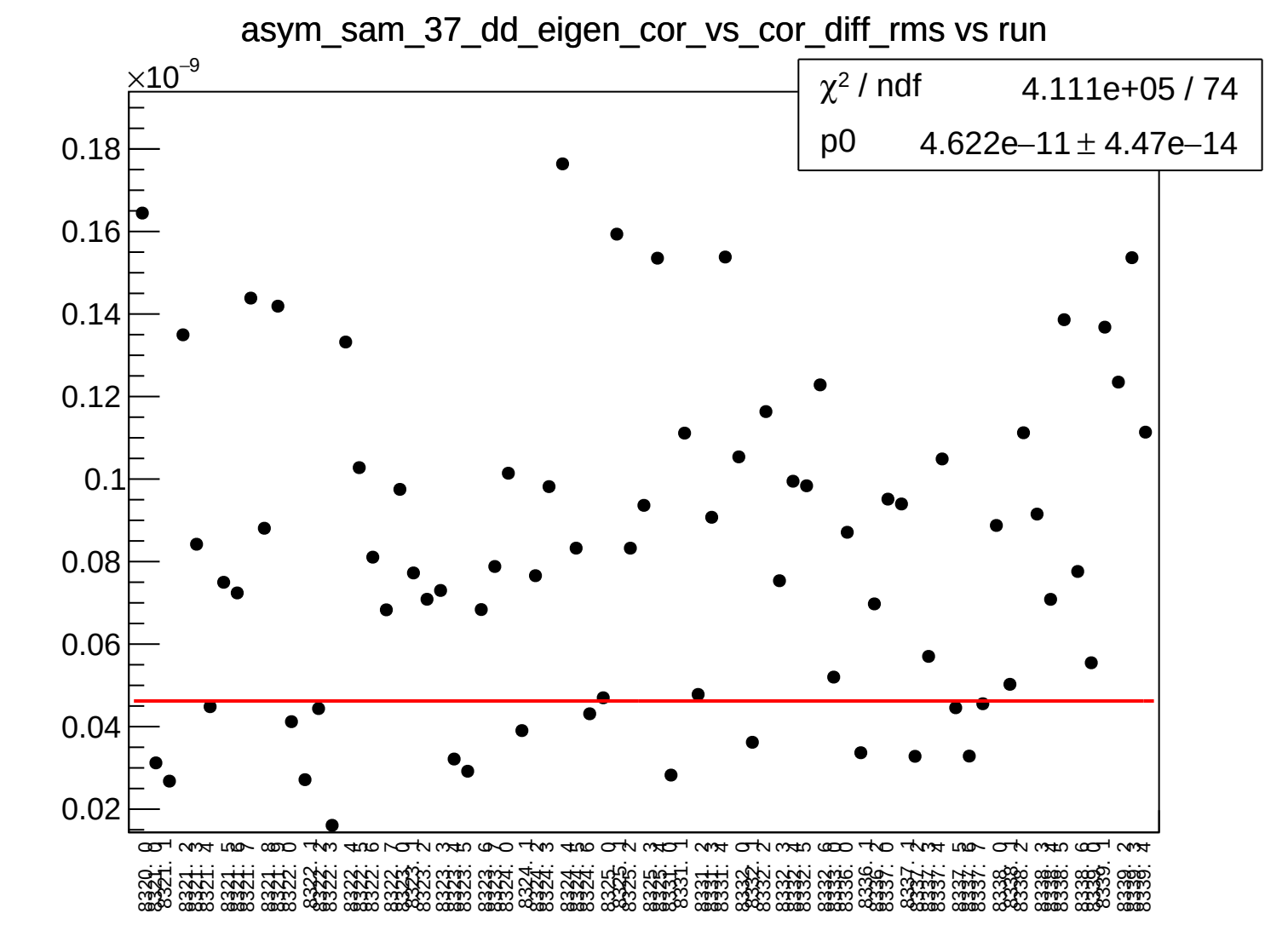

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.38 / 74
p0 −0.1786 ± 0.0371
pull
Entries 75
Mean −97.84
Std Dev 0

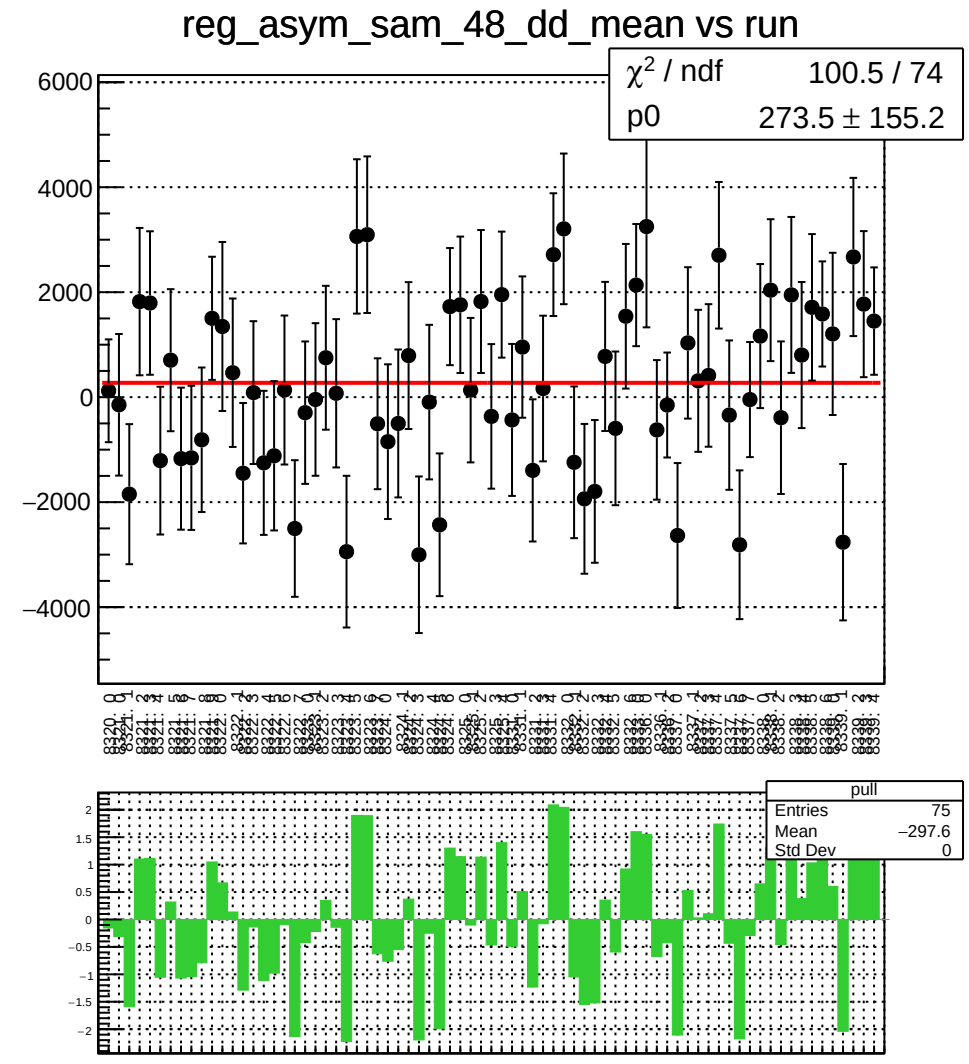

pull1D
Entries 75
Mean 0.03806
Std Dev 1.066

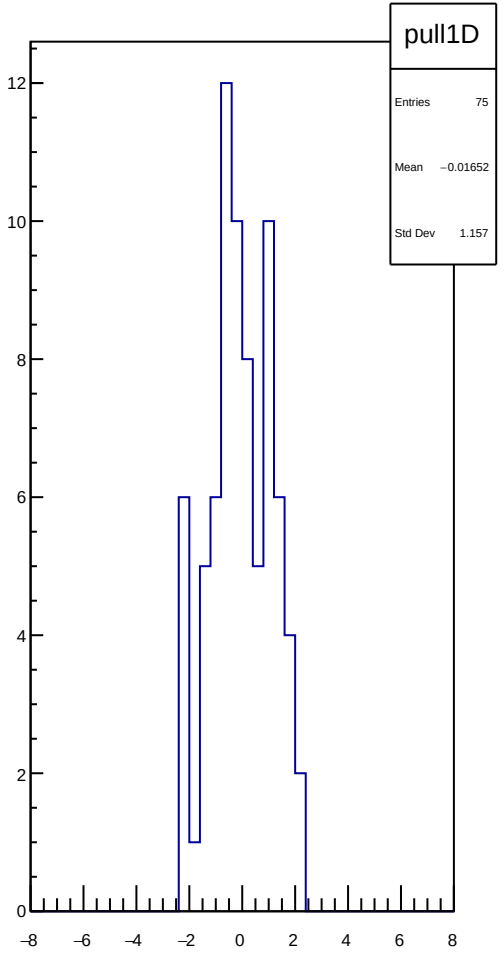

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.794e+04 / 74
p0 30.84 ± 0.02623
70
60
50
40
30
20

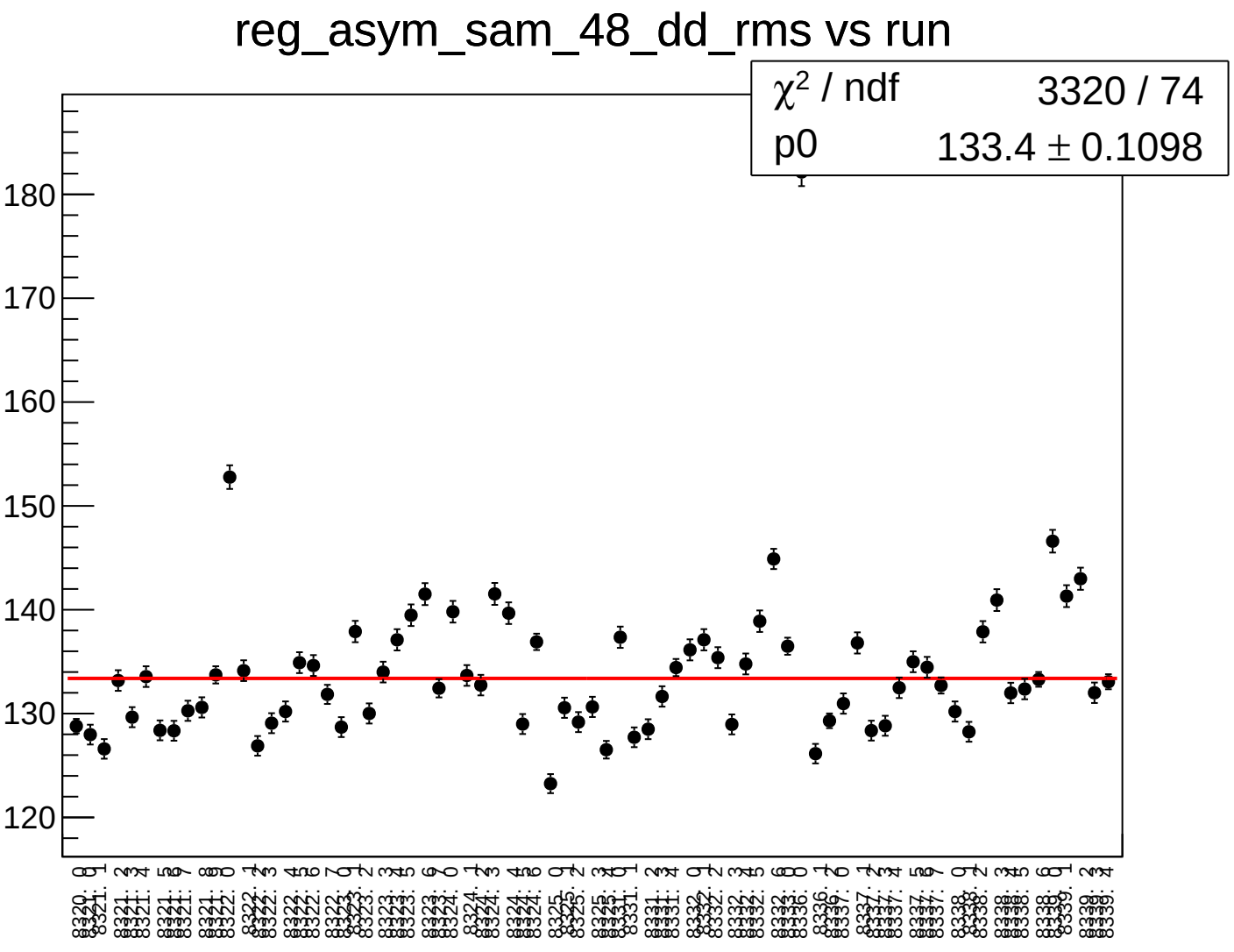

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.04 / 74
p0 2.71e−14 ± 6.322e−14
pull
Entries 75
Mean 40.69
Std Dev 0

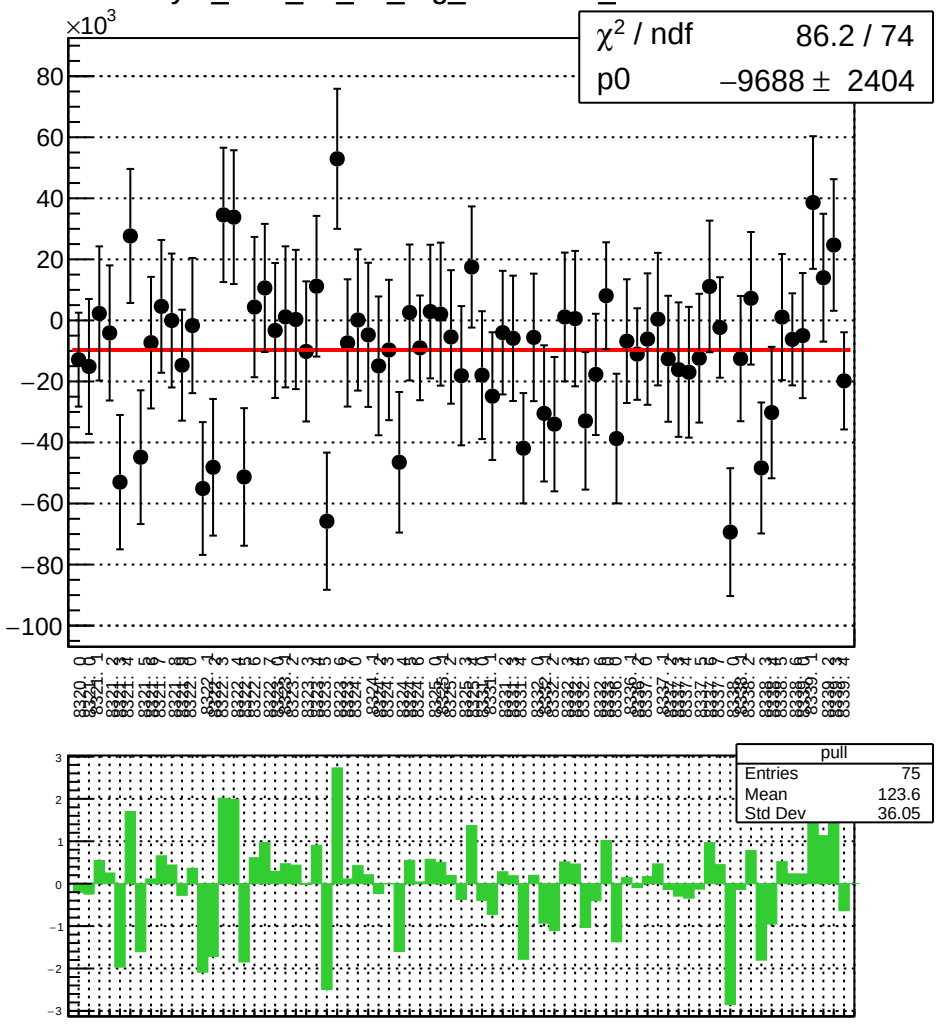

pull1D
Entries 75
Mean −0.08016
Std Dev 1.062

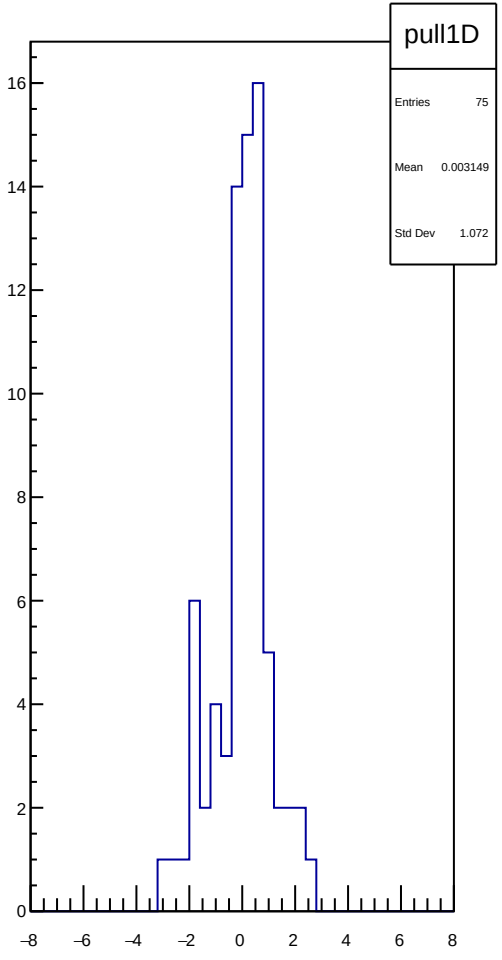

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.111e+05 / 74
p0 4.622e−11 ± 4.47e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

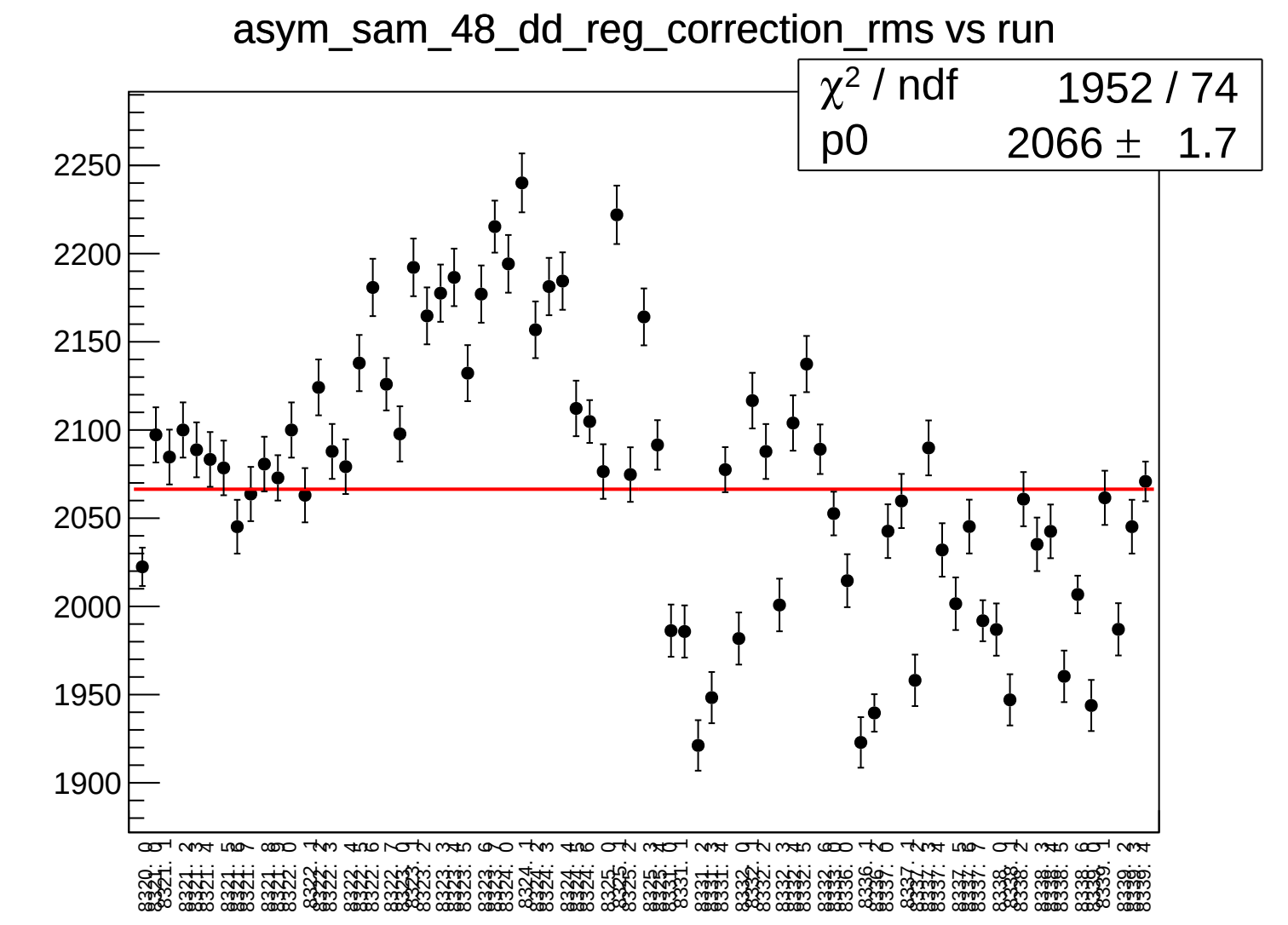

reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 100.5 / 74
p0 273.5 ± 155.2
pull
Entries 75
Mean −297.6
Std Dev 0

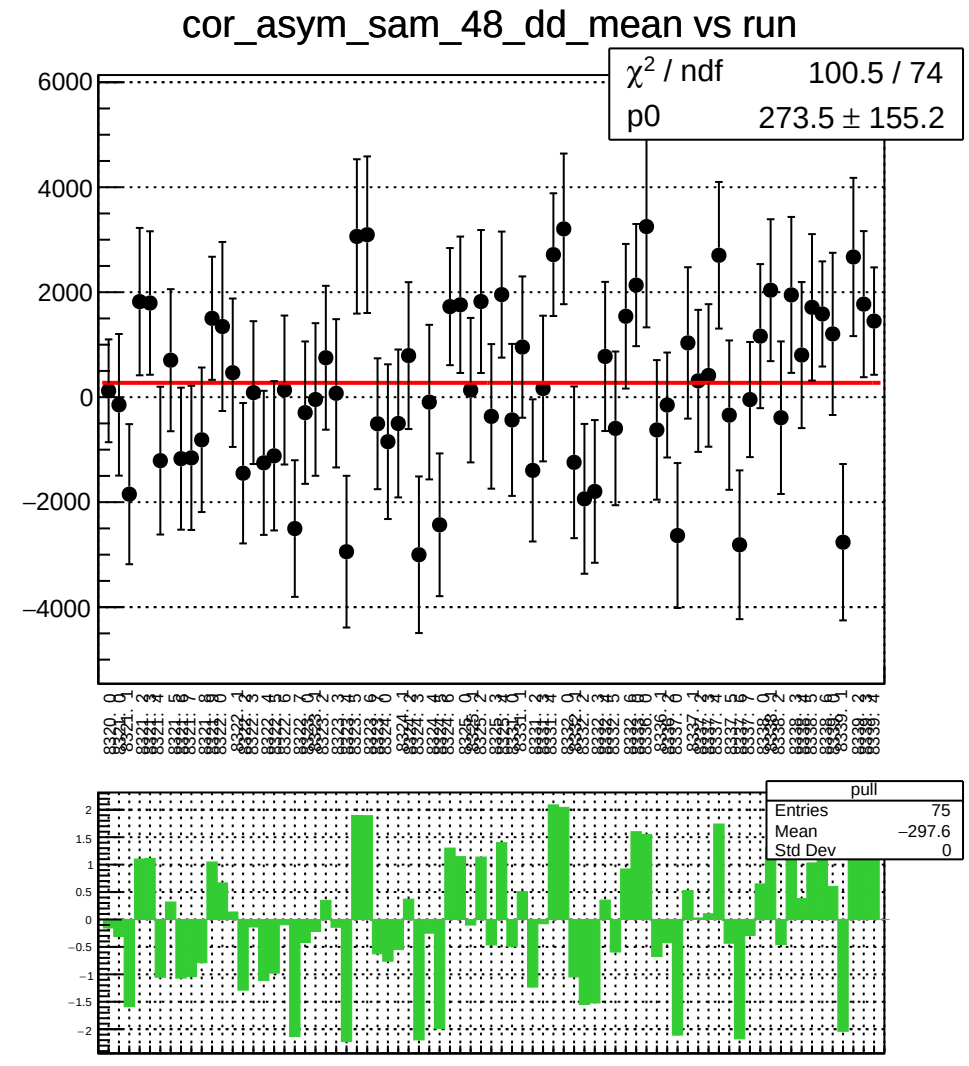

pull1D
Entries 75
Mean −0.01652
Std Dev 1.157

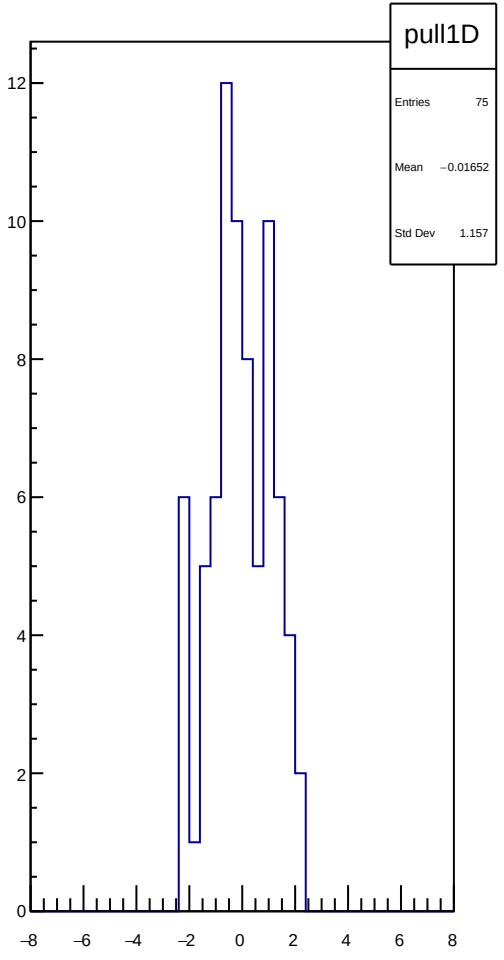

reg_asym_sam_48_dd_rms vs run
χ² / ndf 3320 / 74
p0 133.4 ± 0.1098
180
170
160
150
140
130
120

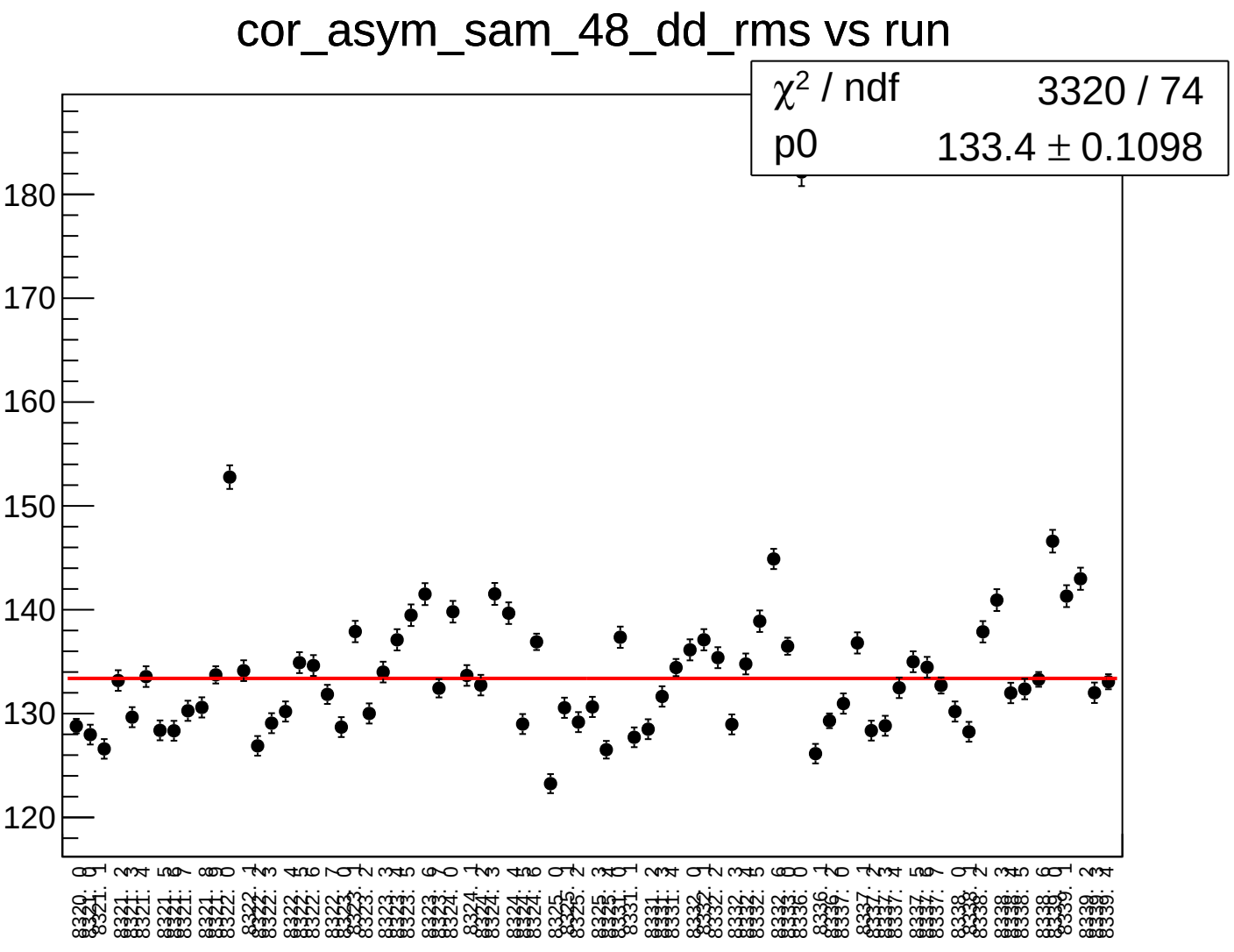

asym_sam_48_dd_reg_correction_mean vs run
×10^3
χ² / ndf 86.2 / 74
p0 −9688 ± 2404
pull
Entries 75
Mean 123.6
Std Dev 36.05

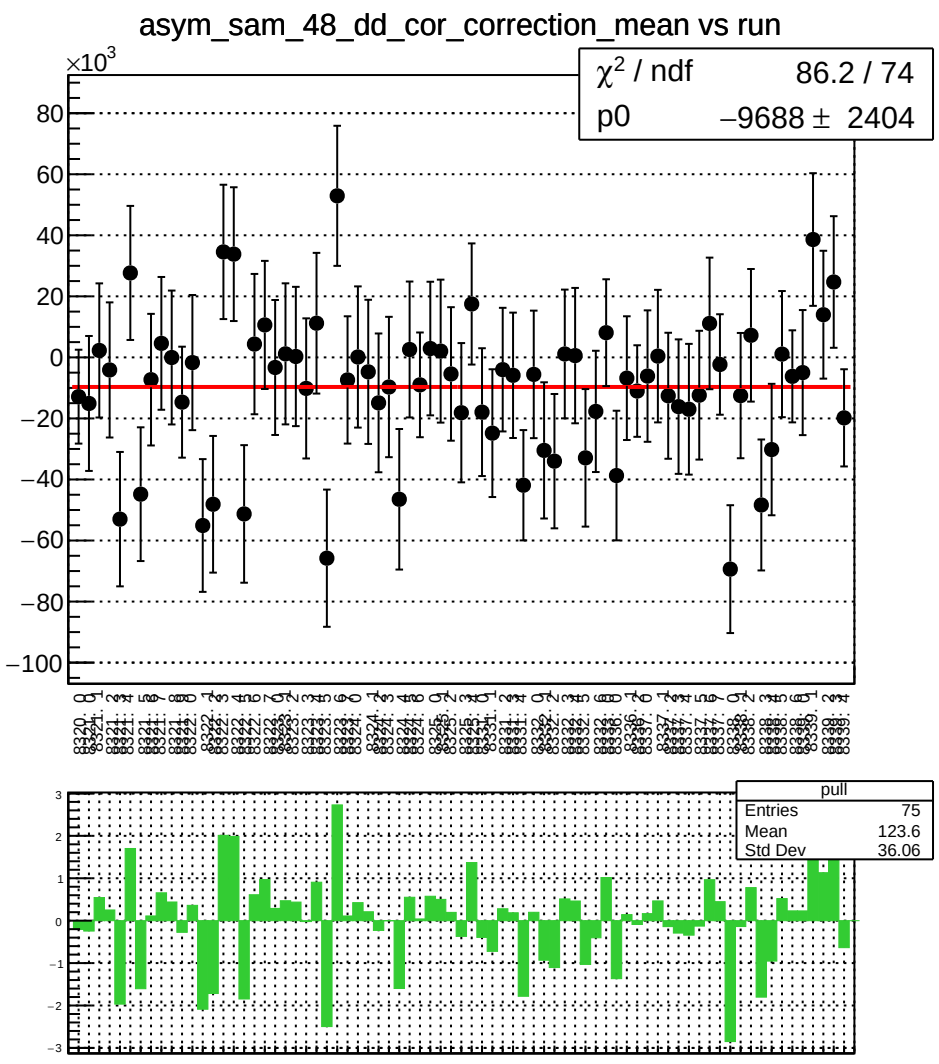

pull1D
Entries 75
Mean 0.003149
Std Dev 1.072

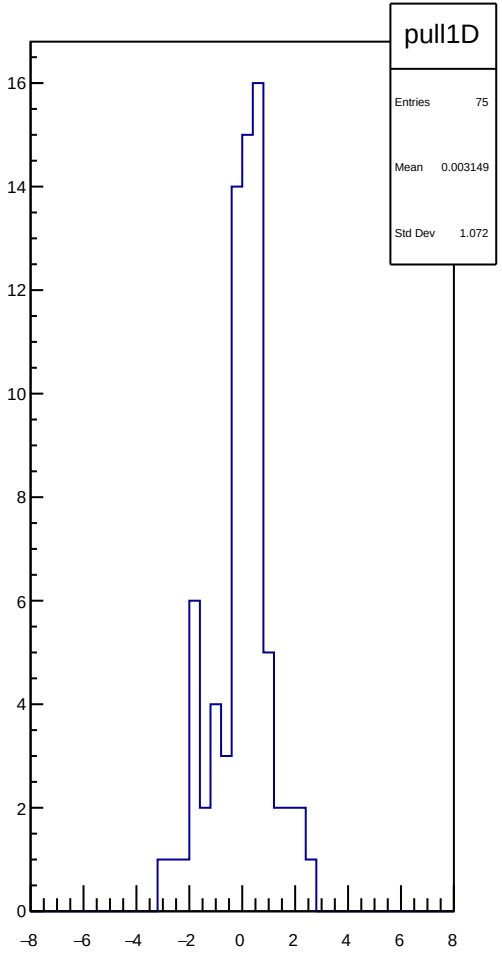

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1952 / 74
p0 2066 ± 1.7
2250
2200
2150
2100
2050
2000
1950
1900

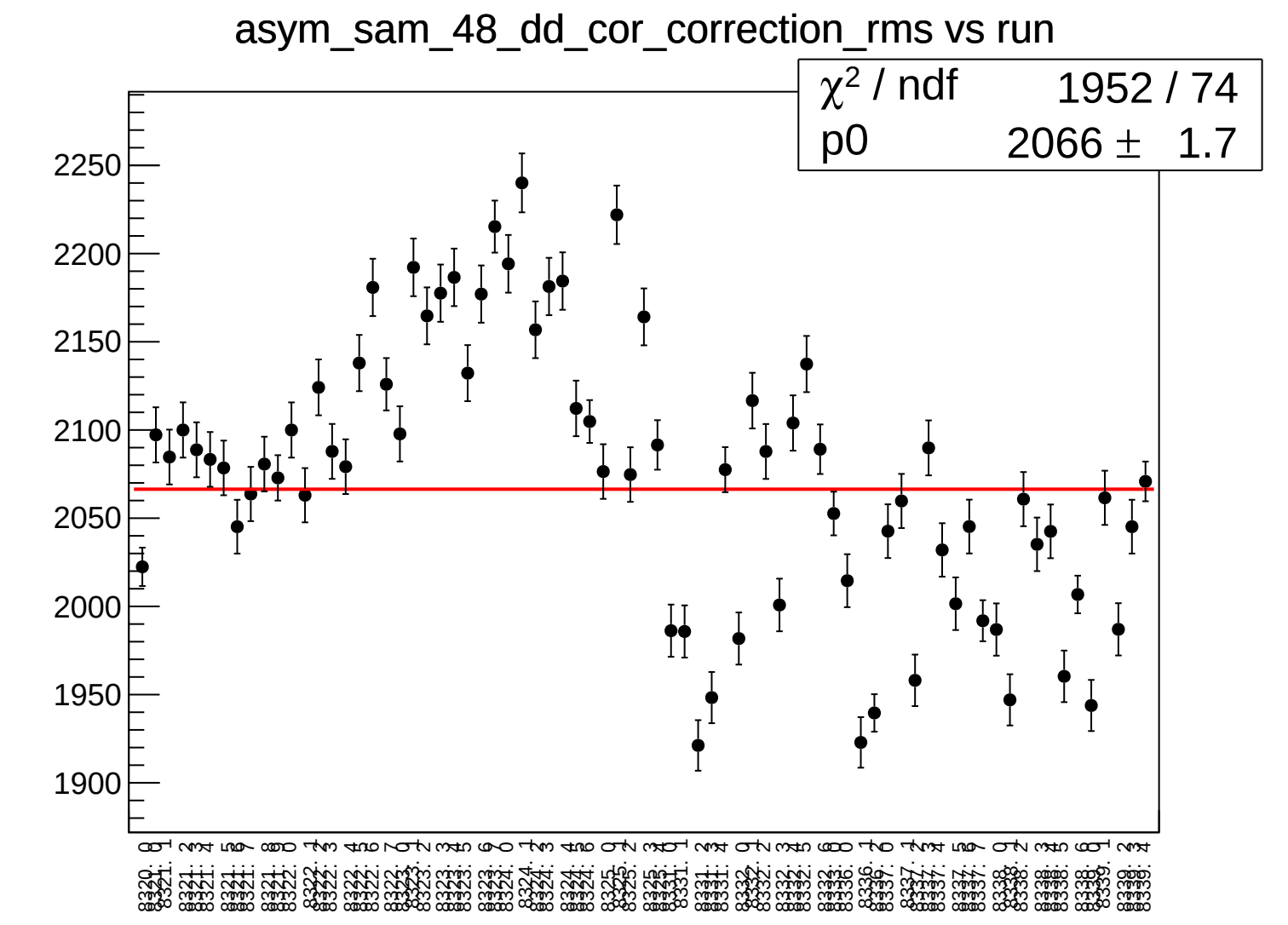

cor_asym_sam_48_dd_mean vs run
χ² / ndf 100.5 / 74
p0 273.5 ± 155.2
pull
Entries 75
Mean −297.6
Std Dev 0

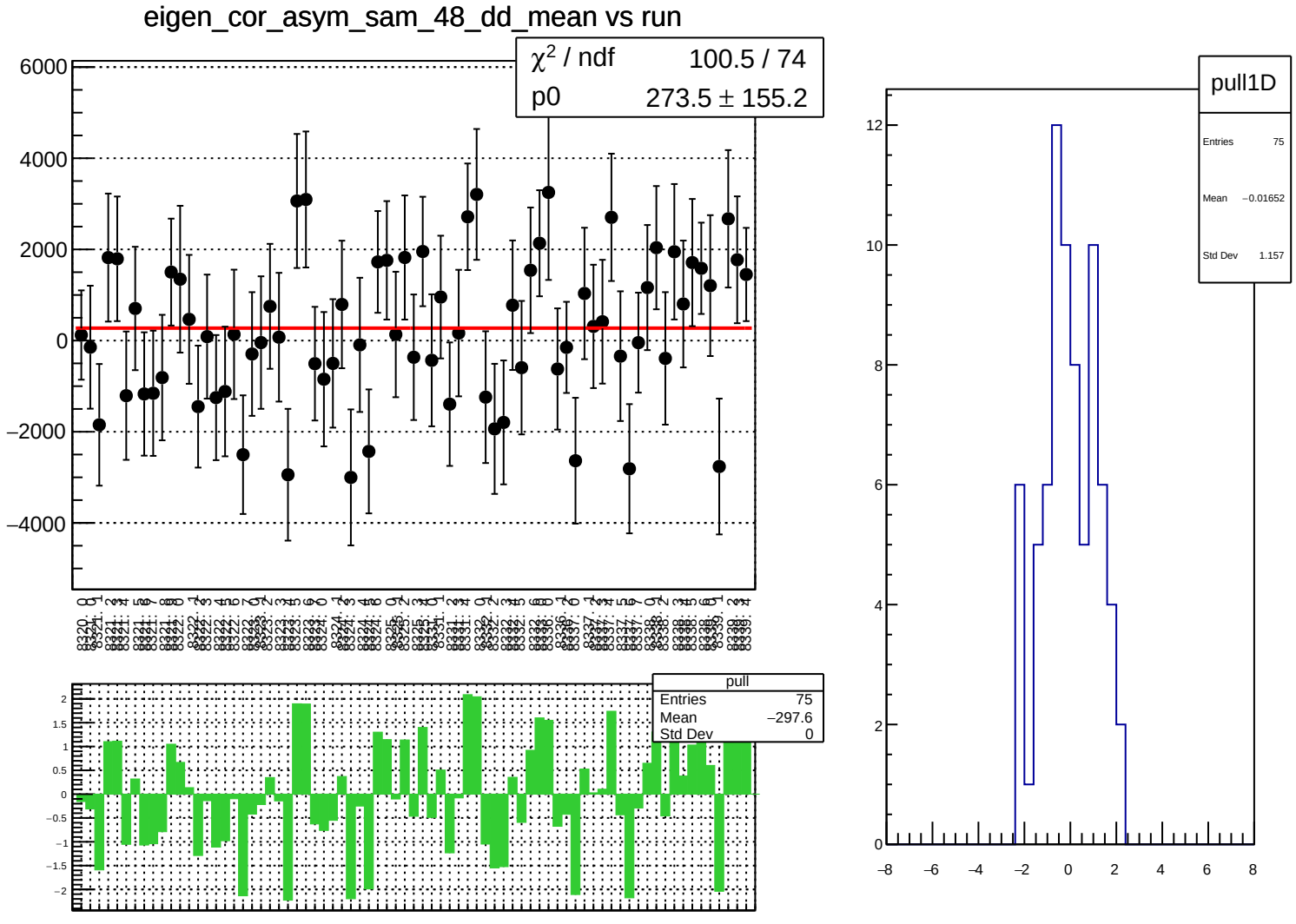

pull1D
Entries 75
Mean −0.01652
Std Dev 1.157

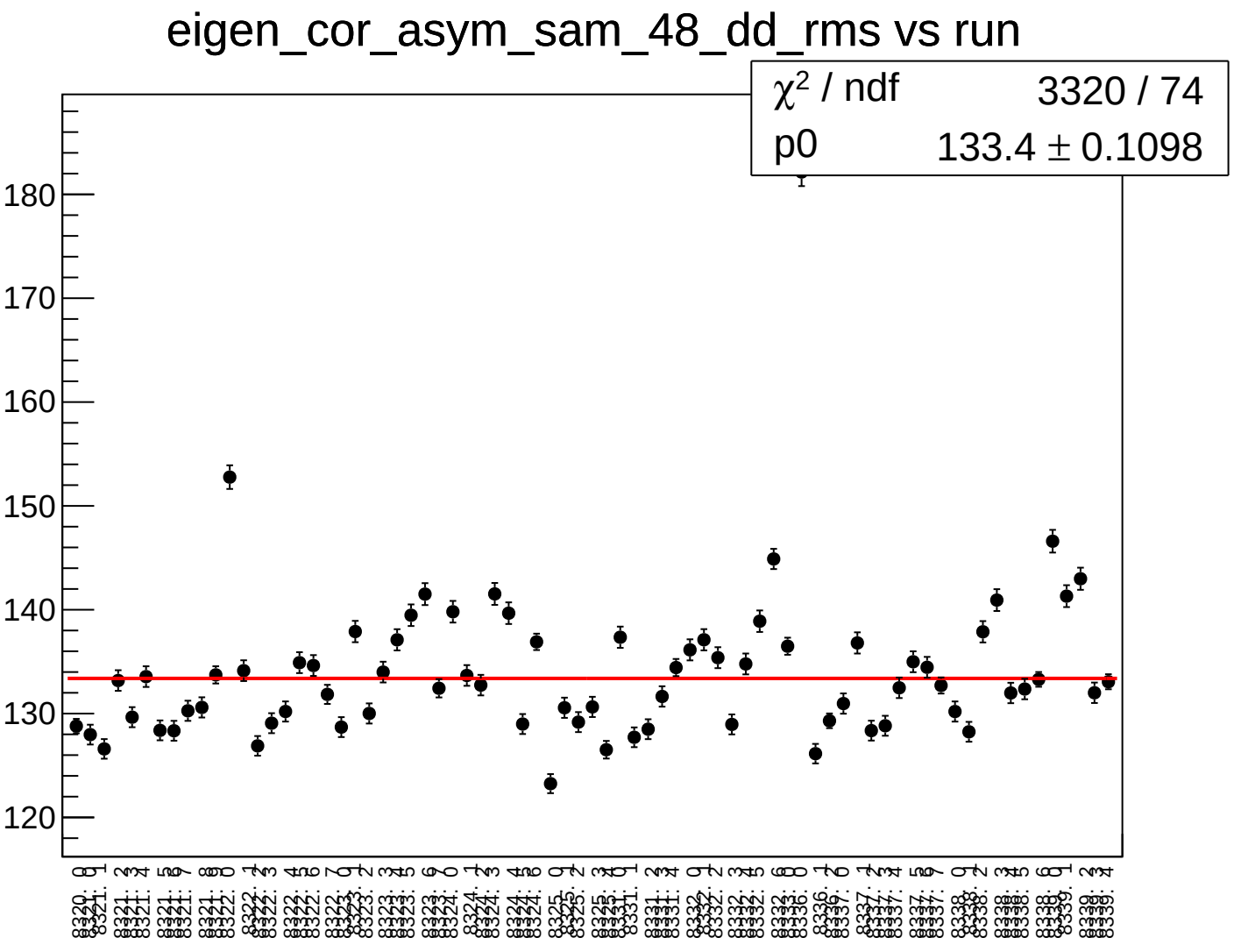

cor_asym_sam_48_dd_rms vs run
χ² / ndf 3320 / 74
p0 133.4 ± 0.1098
180
170
160
150
140
130
120

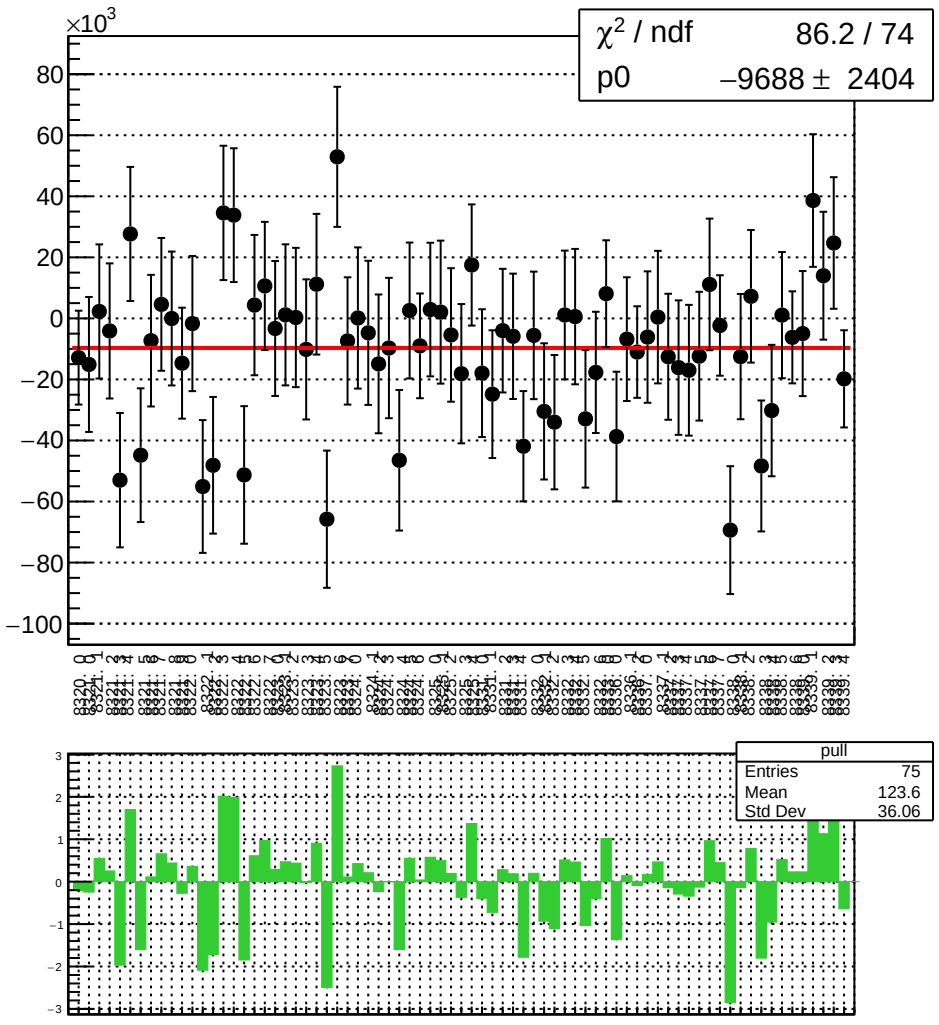

asym_sam_48_dd_cor_correction_mean vs run
×10^3
χ² / ndf 86.2 / 74
p0 −9688 ± 2404
pull
Entries 75
Mean 123.6
Std Dev 36.06

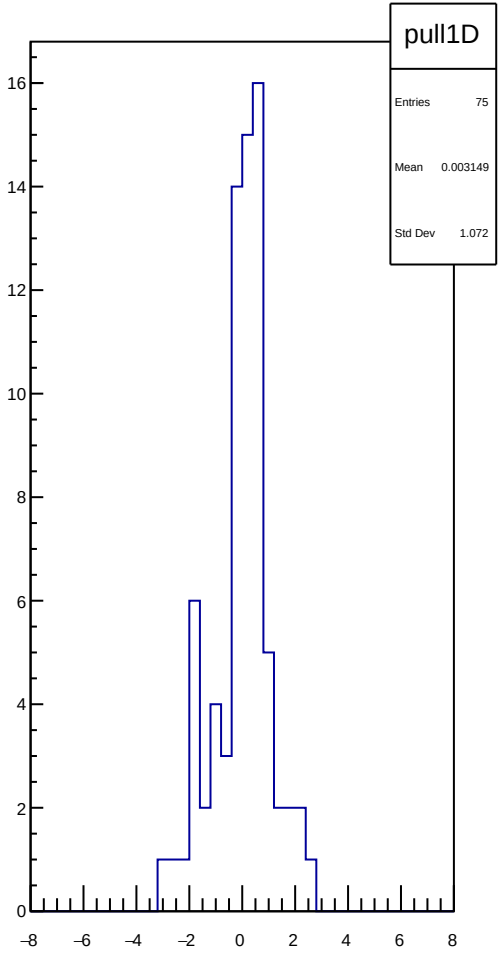

pull1D
Entries 75
Mean 0.003149
Std Dev 1.072

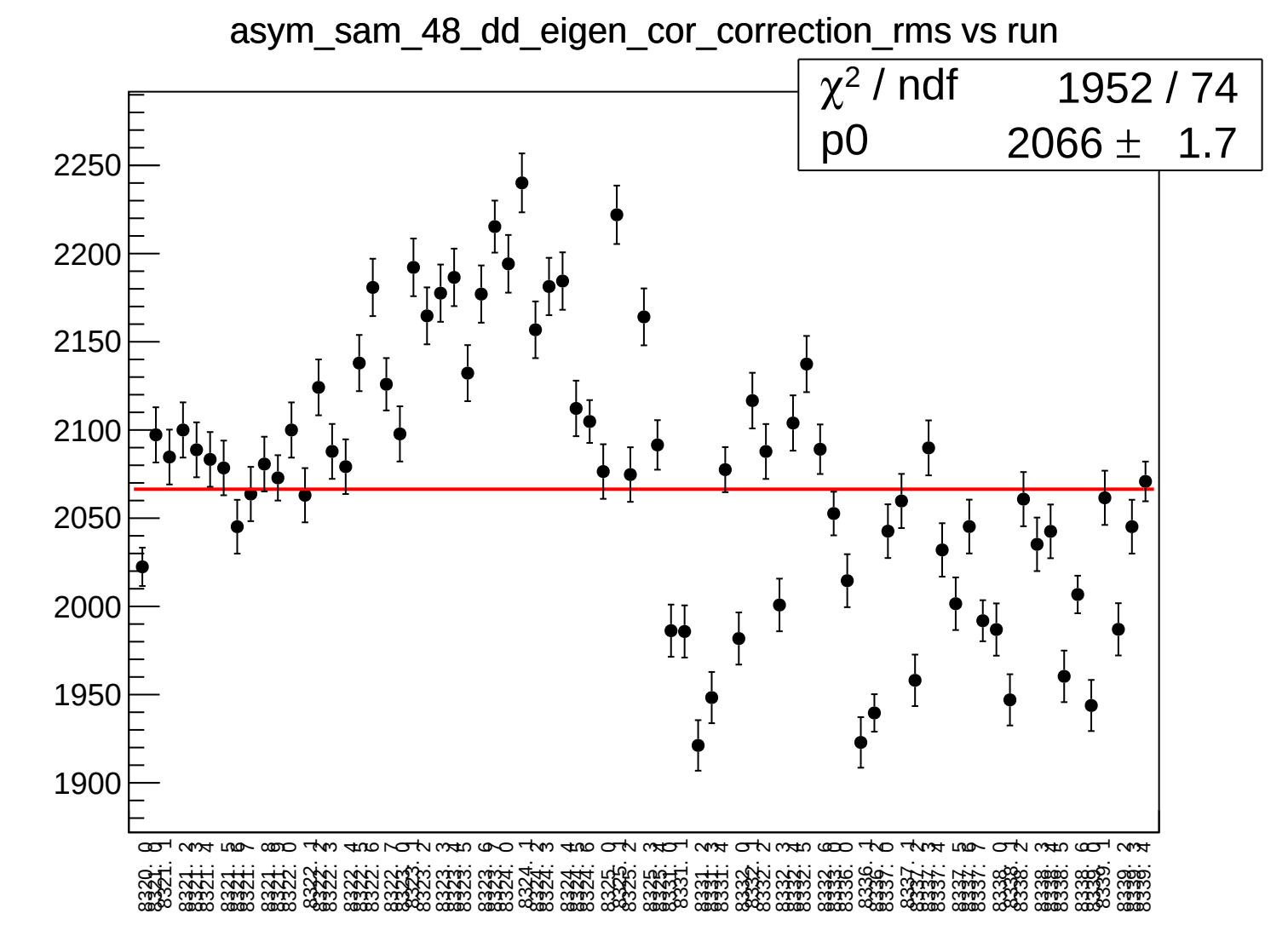

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1952 / 74
p0 2066 ± 1.7
2250
2200
2150
2100
2050
2000
1950
1900

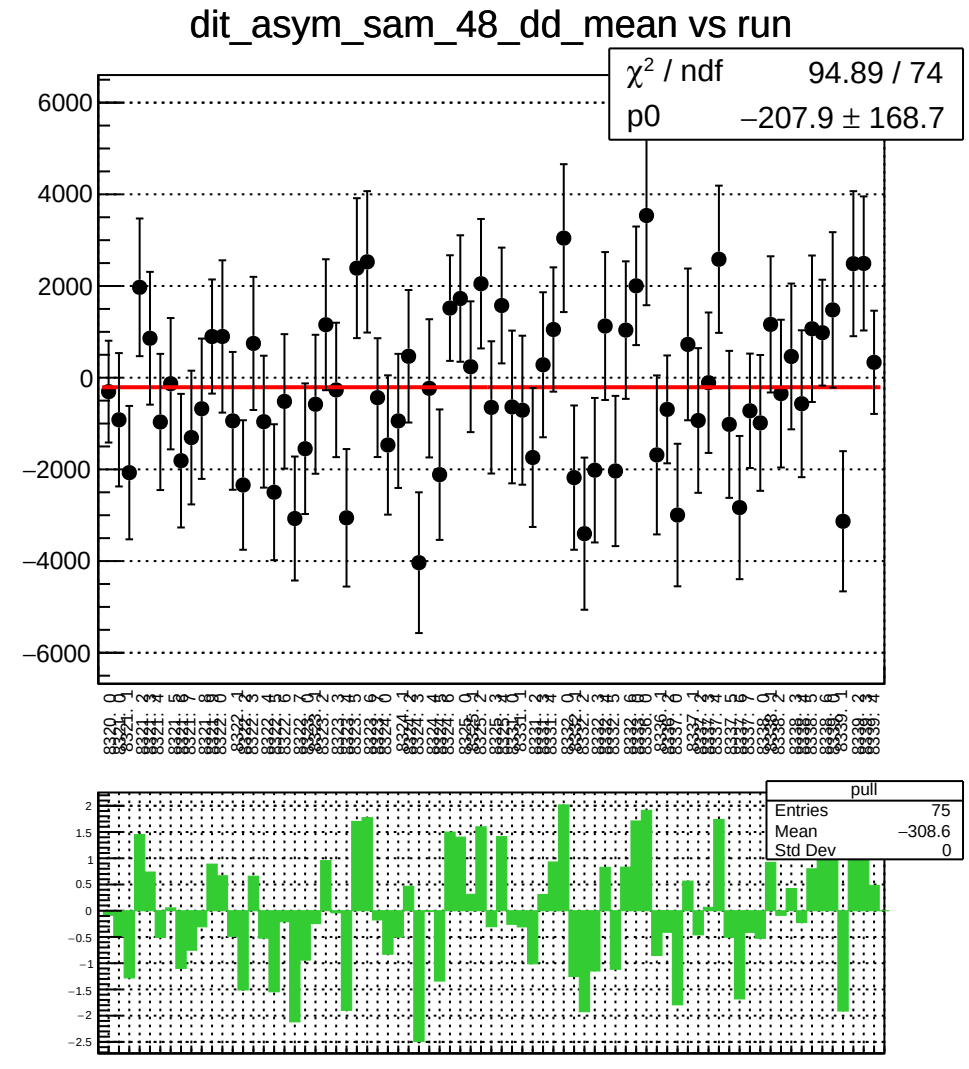

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 100.5 / 74
p0 273.5 ± 155.2
pull
Entries 75
Mean −297.6
Std Dev 0
pull1D
Entries 75
Mean −0.01652
Std Dev 1.157

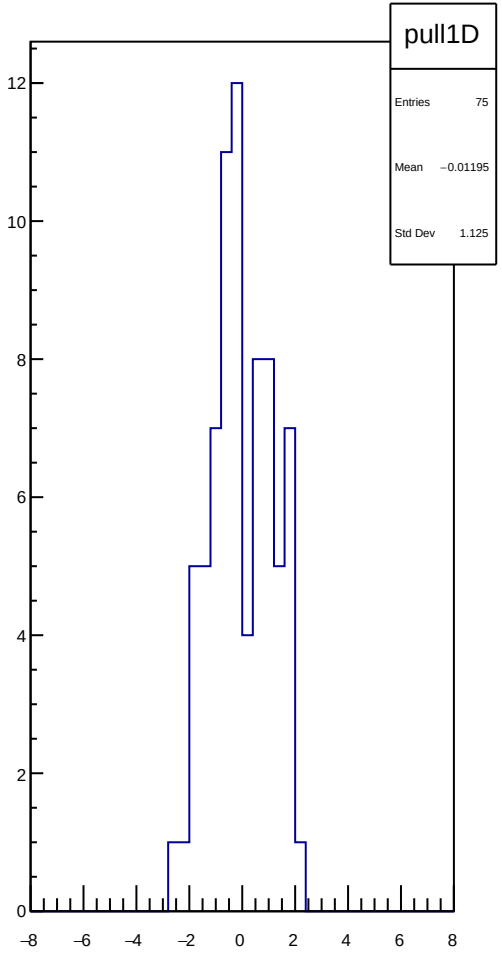

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 3320 / 74
p0 133.4 ± 0.1098
180
170
160
150
140
130
120

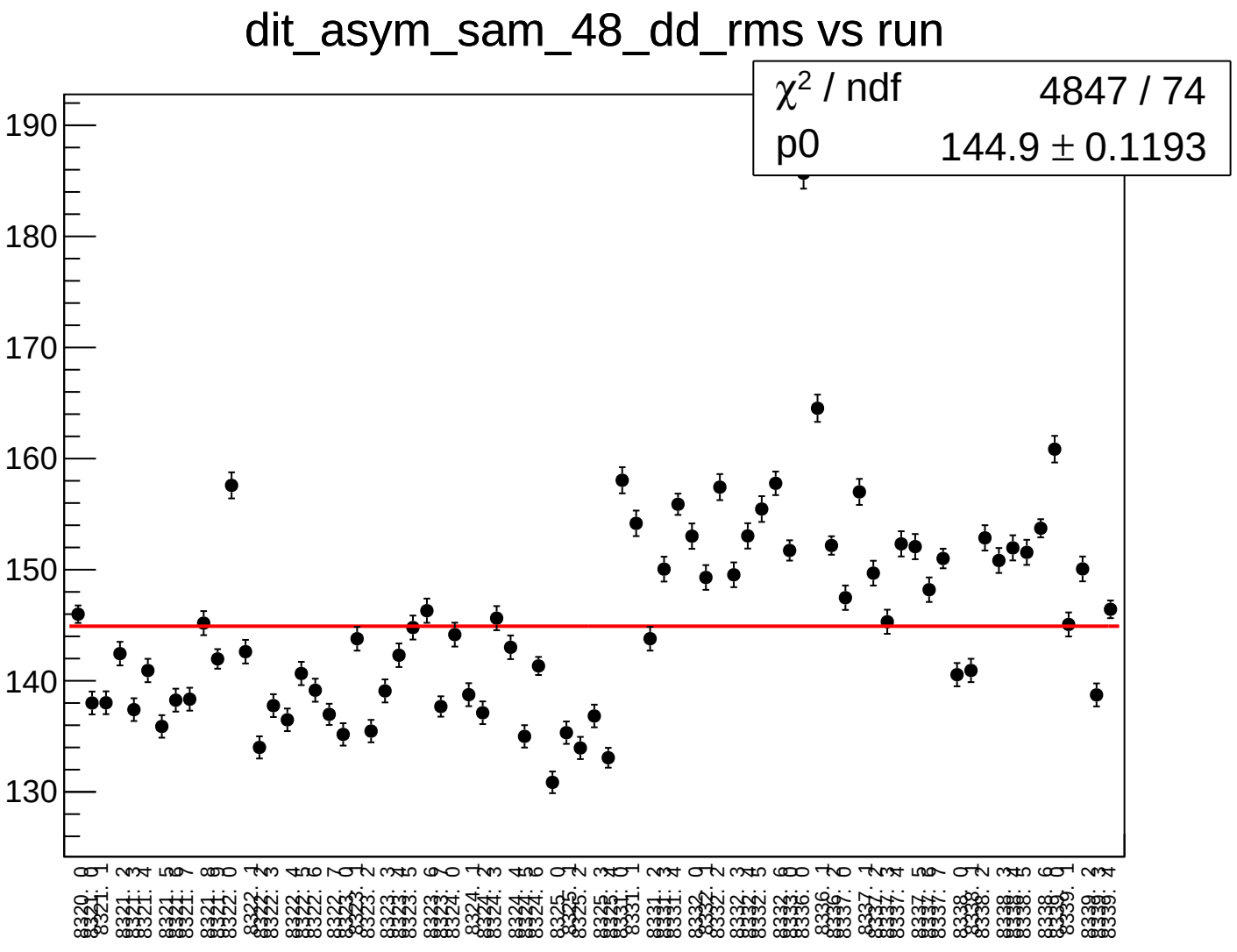

asym_sam_48_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 86.2 / 74
p0 −9688 ± 2404
pull
Entries 75
Mean 123.6
Std Dev 36.06

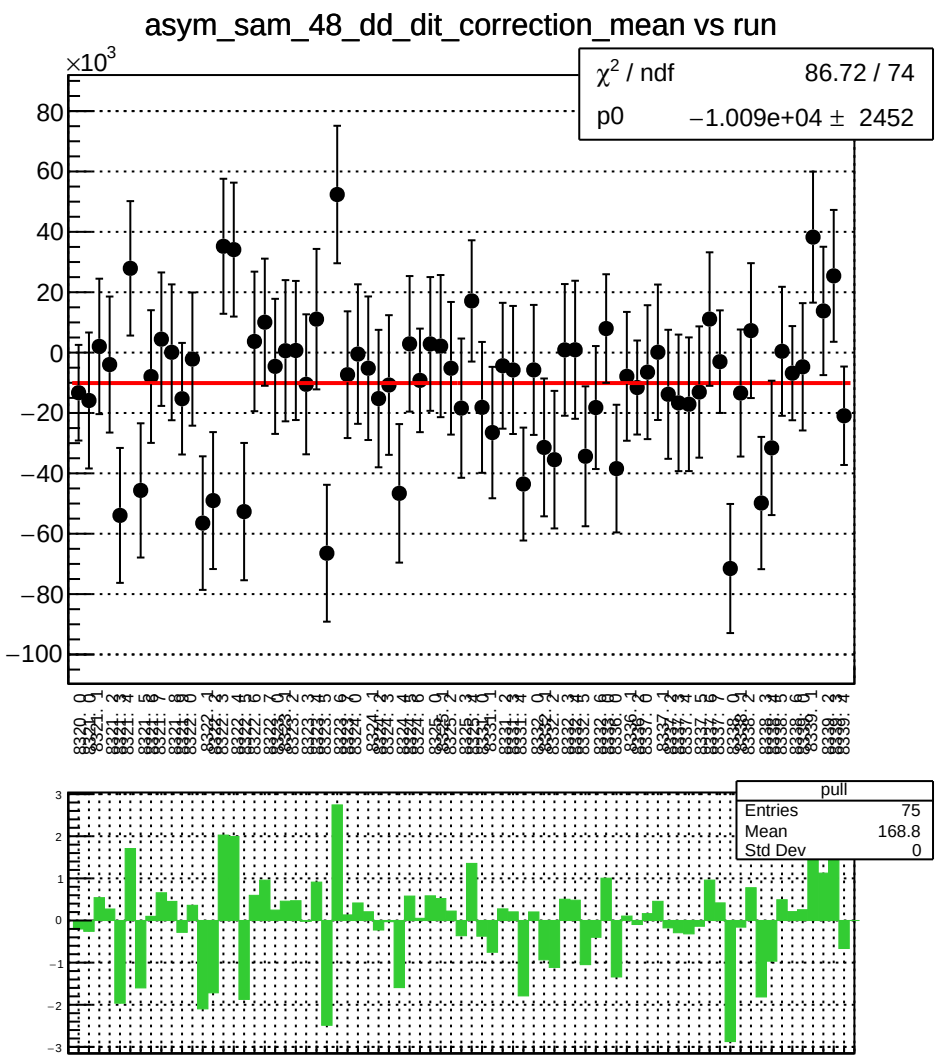

pull1D
Entries 75
Mean 0.003149
Std Dev 1.072

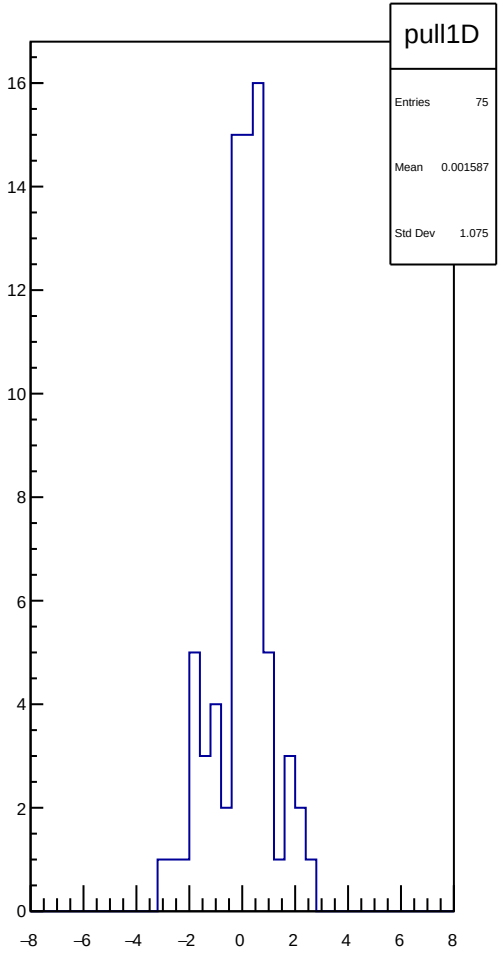

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1952 / 74
p0 2066 ± 1.7
2250
2200
2150
2100
2050
2000
1950
1900

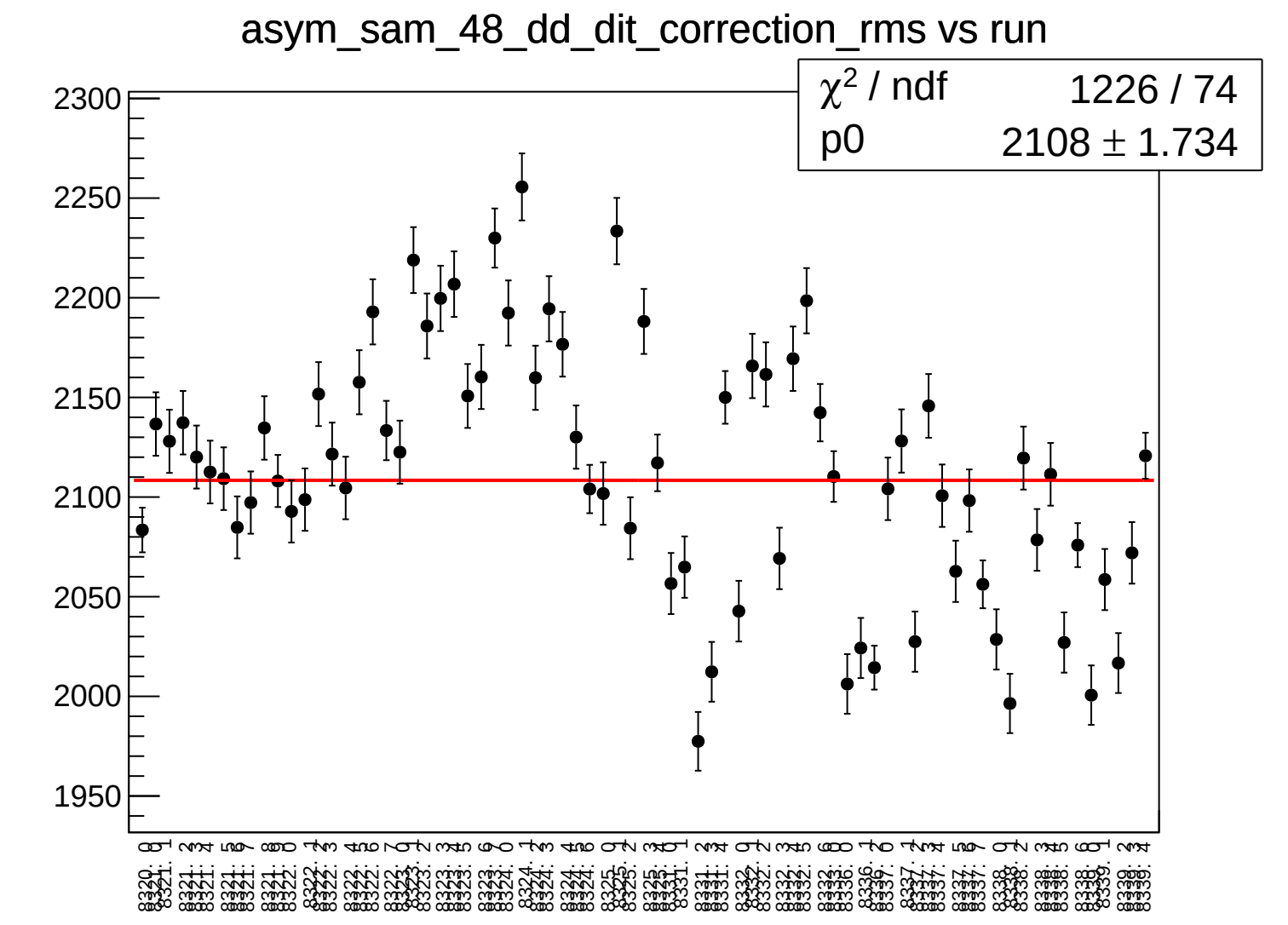

dit_asym_sam_48_dd_mean vs run
χ² / ndf 94.89 / 74
p0 −207.9 ± 168.7
pull
Entries 75
Mean −308.6
Std Dev 0

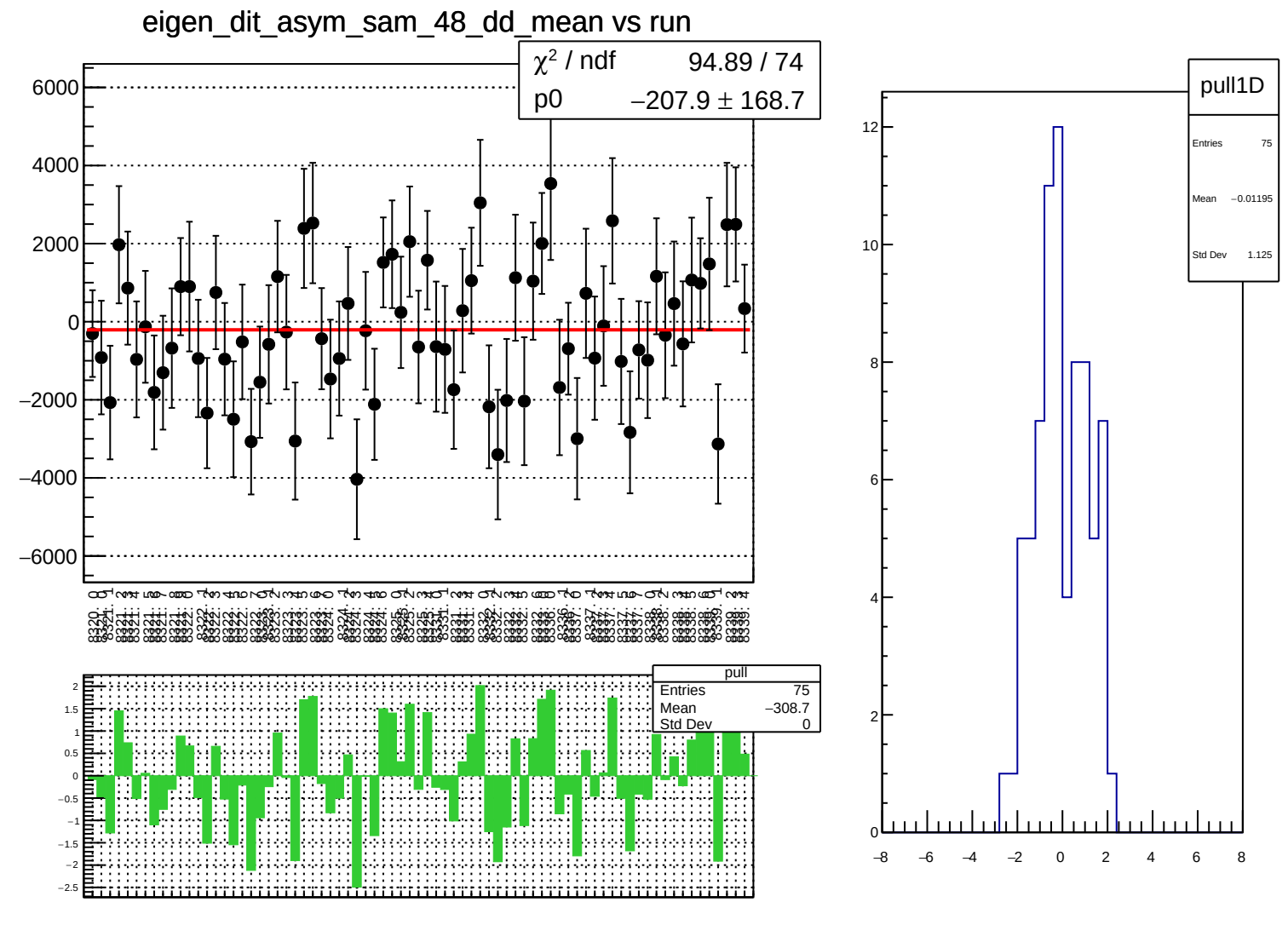

pull1D
Entries 75
Mean −0.01195
Std Dev 1.125

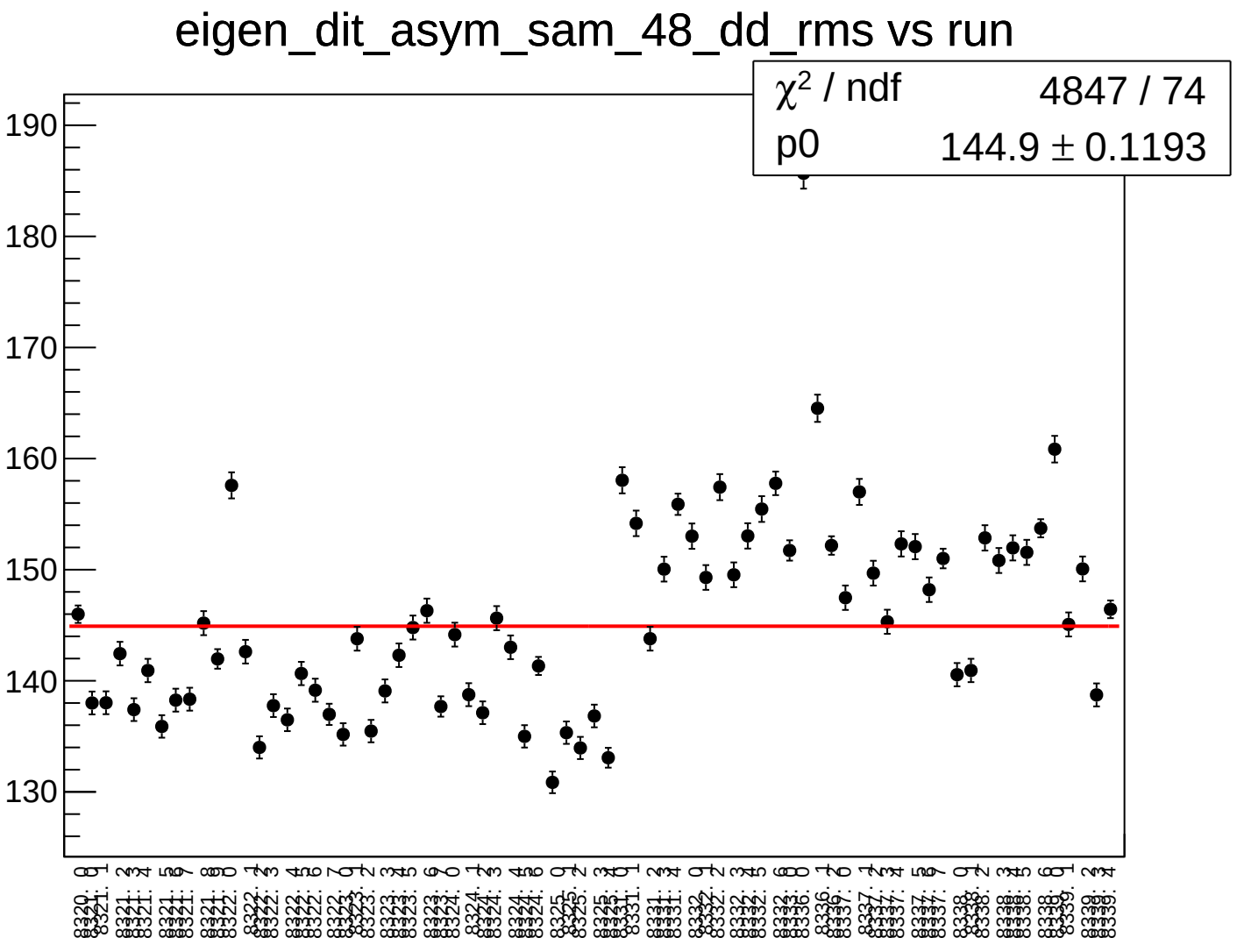

dit_asym_sam_48_dd_rms vs run
χ² / ndf 4847 / 74
p0 144.9 ± 0.1193
190
180
170
160
150
140
130

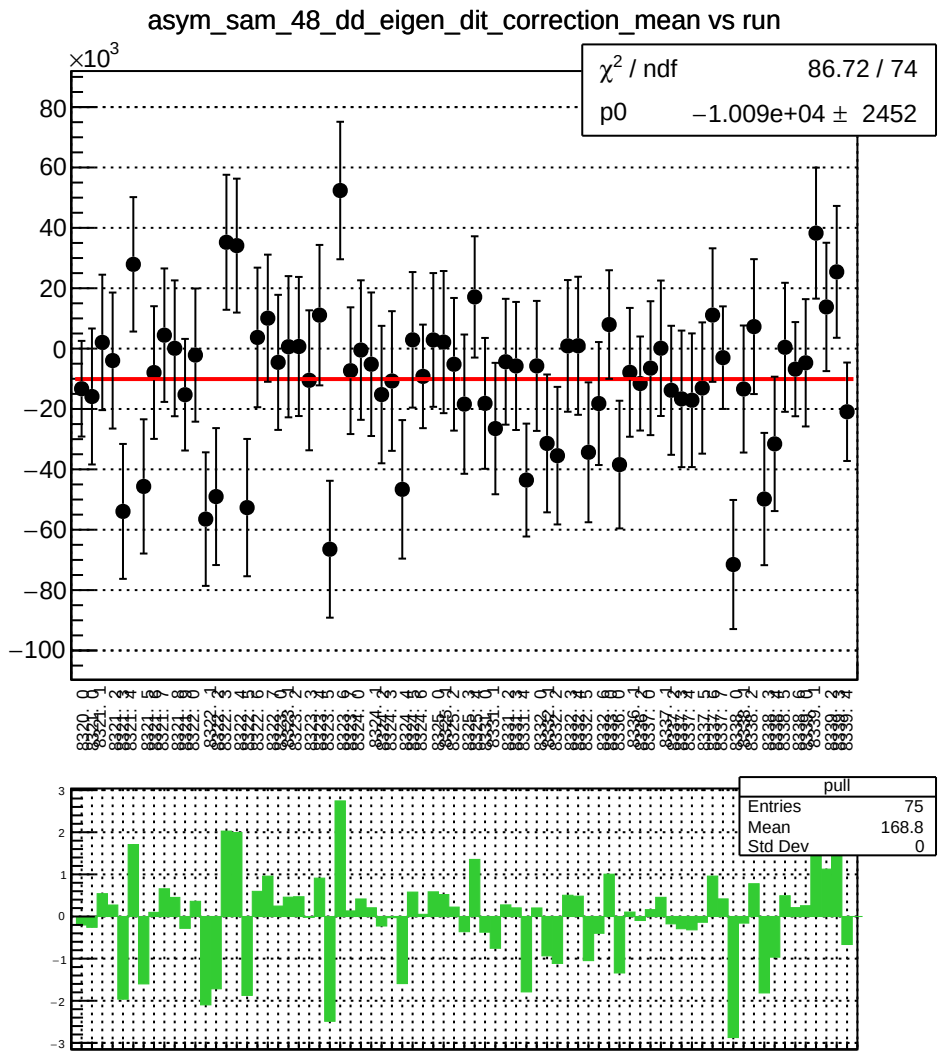

asym_sam_48_dd_dit_correction_mean vs run
×10^3
χ² / ndf 86.72 / 74
p0 −1.009e+04 ± 2452
pull
Entries 75
Mean 168.8
Std Dev 0

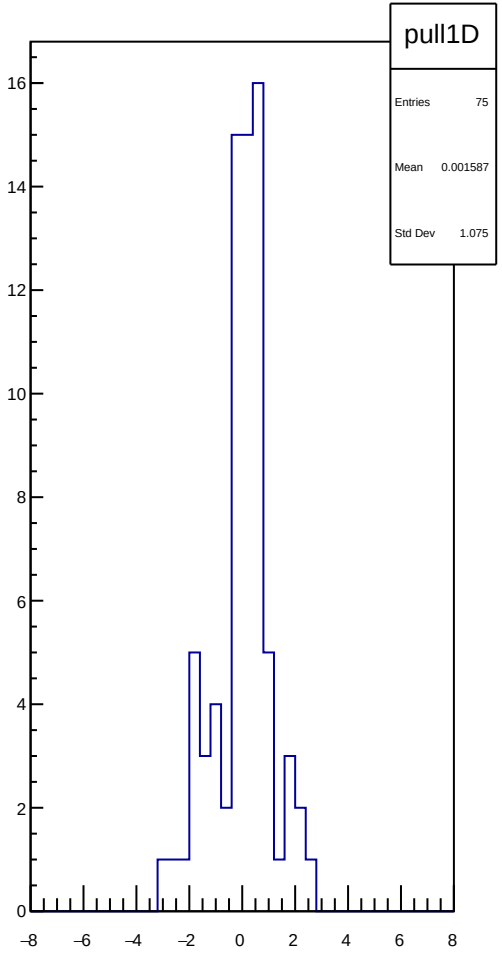

pull1D
Entries 75
Mean 0.001587
Std Dev 1.075

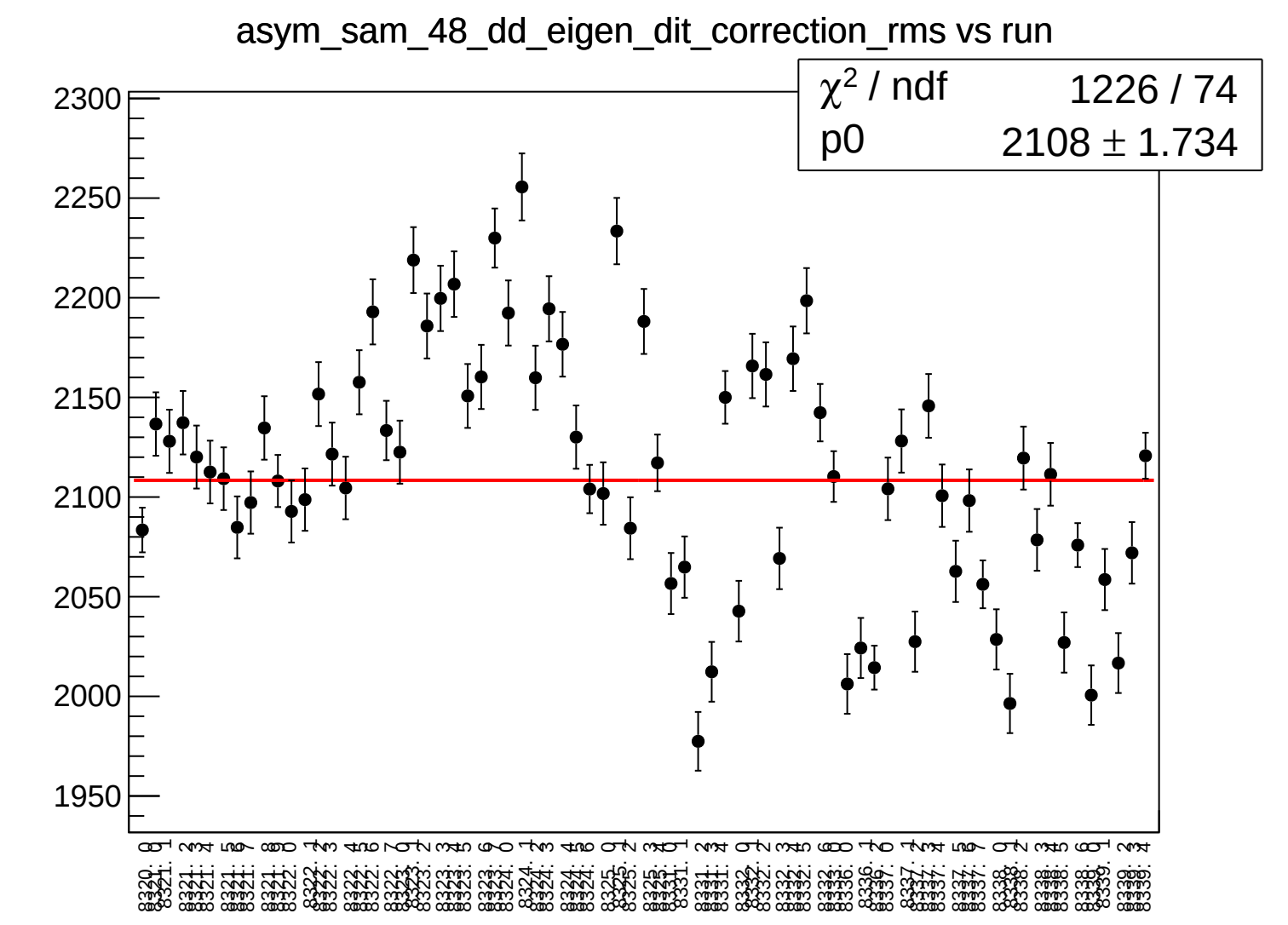

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1226 / 74
p0 2108 ± 1.734
2300
2250
2200
2150
2100
2050
2000
1950

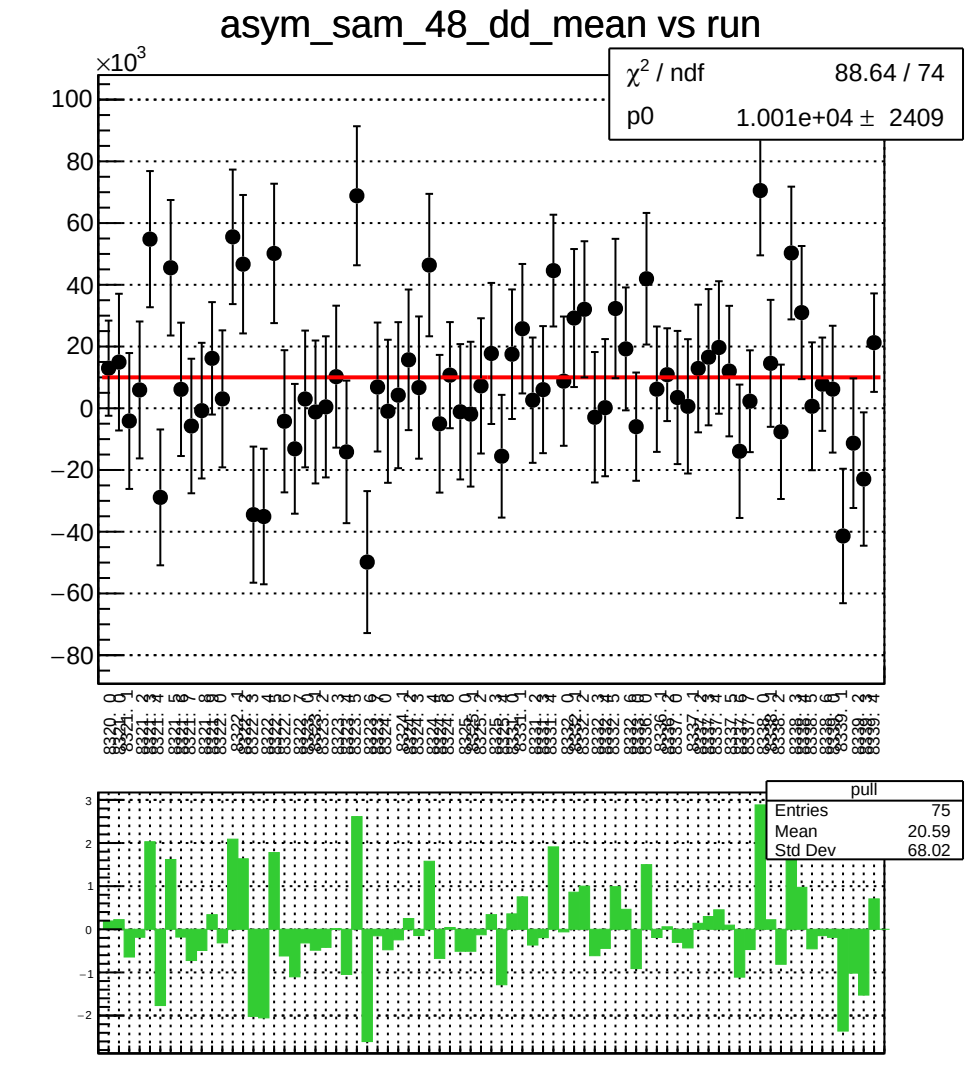

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 94.89 / 74
p0 −207.9 ± 168.7
pull
Entries 75
Mean −308.7
Std Dev 0
pull1D
Entries 75
Mean −0.01195
Std Dev 1.125

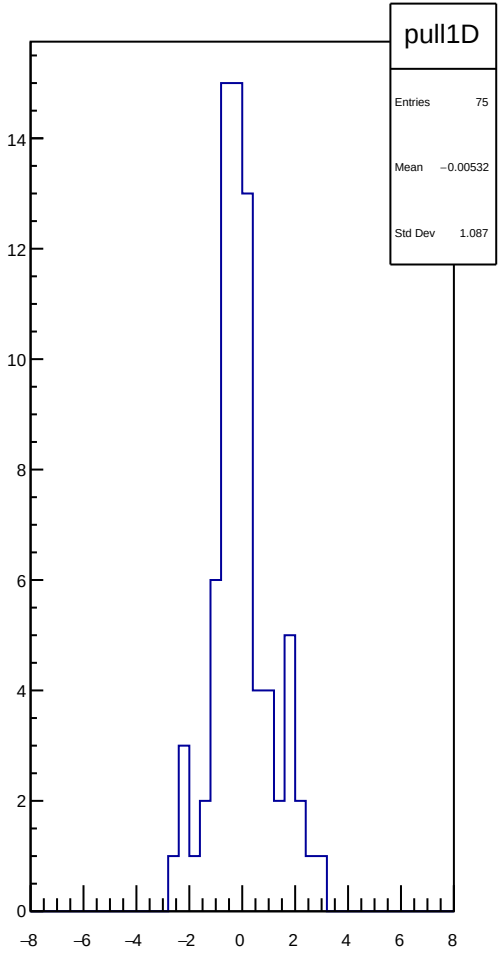

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 4847 / 74
p0 144.9 ± 0.1193
190
180
170
160
150
140
130

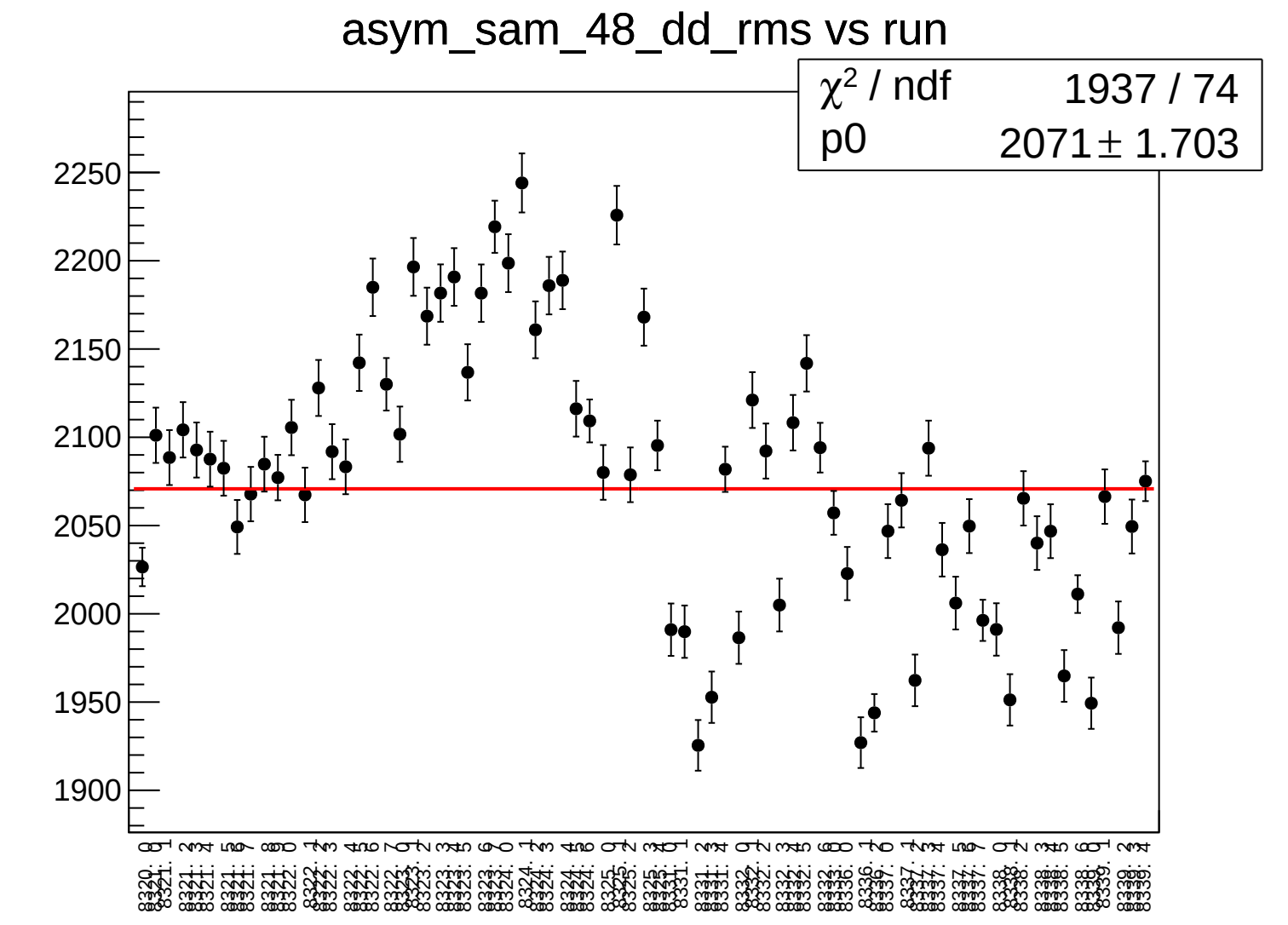

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 86.72 / 74
p0 −1.009e+04 ± 2452
pull
Entries 75
Mean 168.8
Std Dev 0

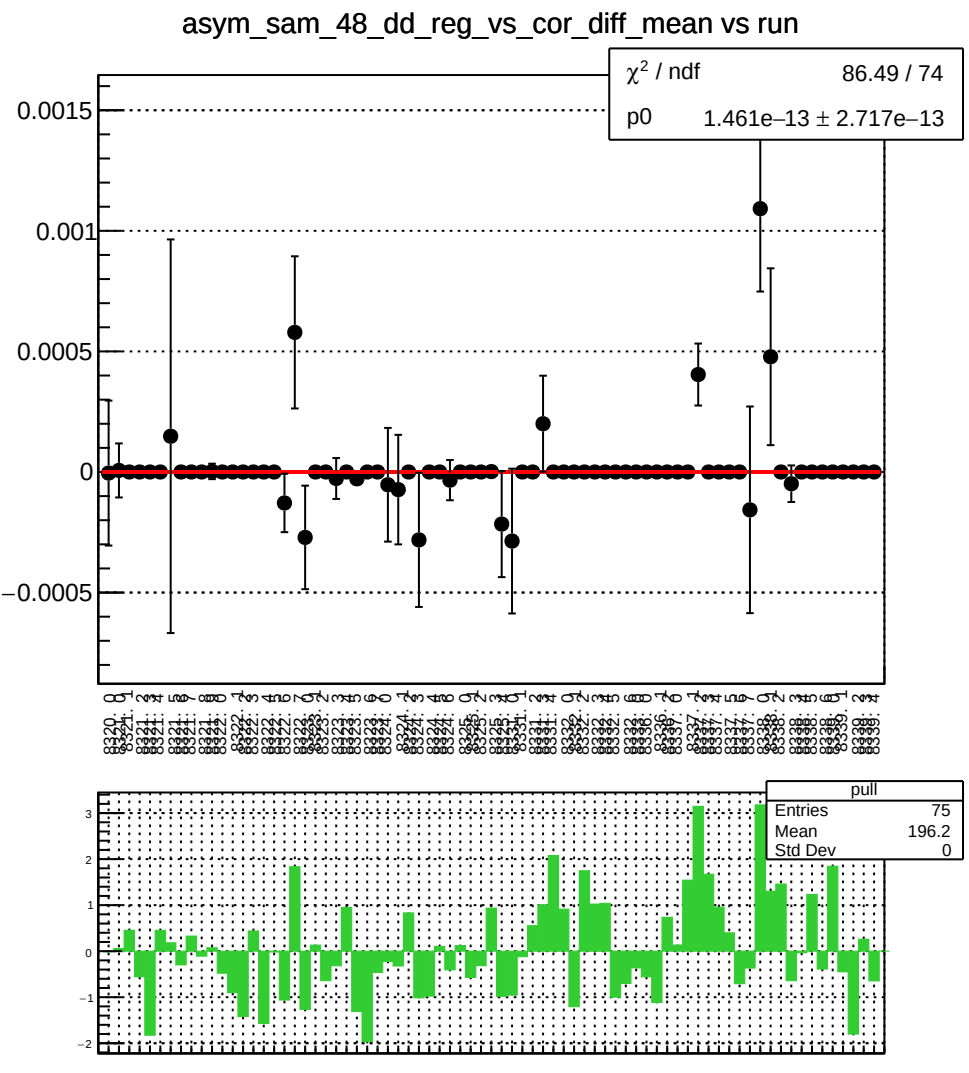

pull1D
Entries 75
Mean 0.001587
Std Dev 1.075

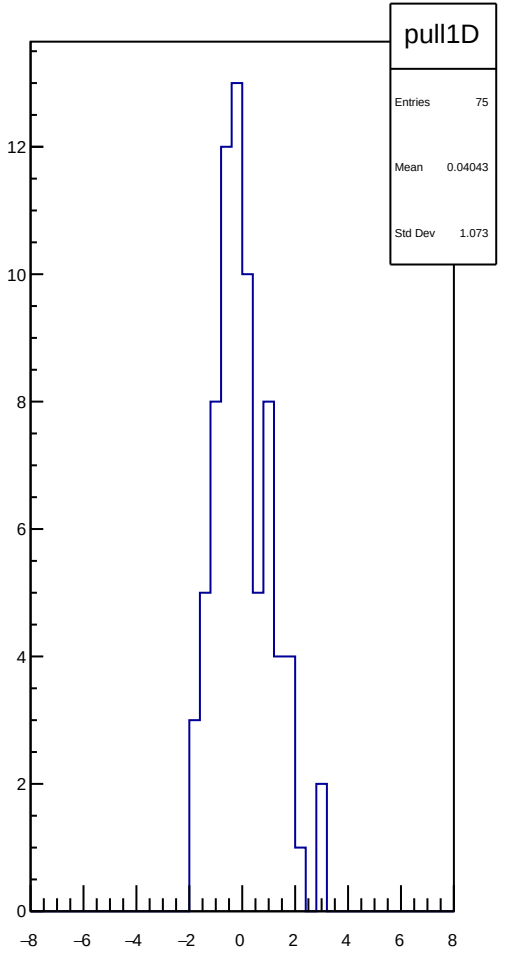

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1226 / 74
p0 2108 ± 1.734
2300
2250
2200
2150
2100
2050
2000
1950

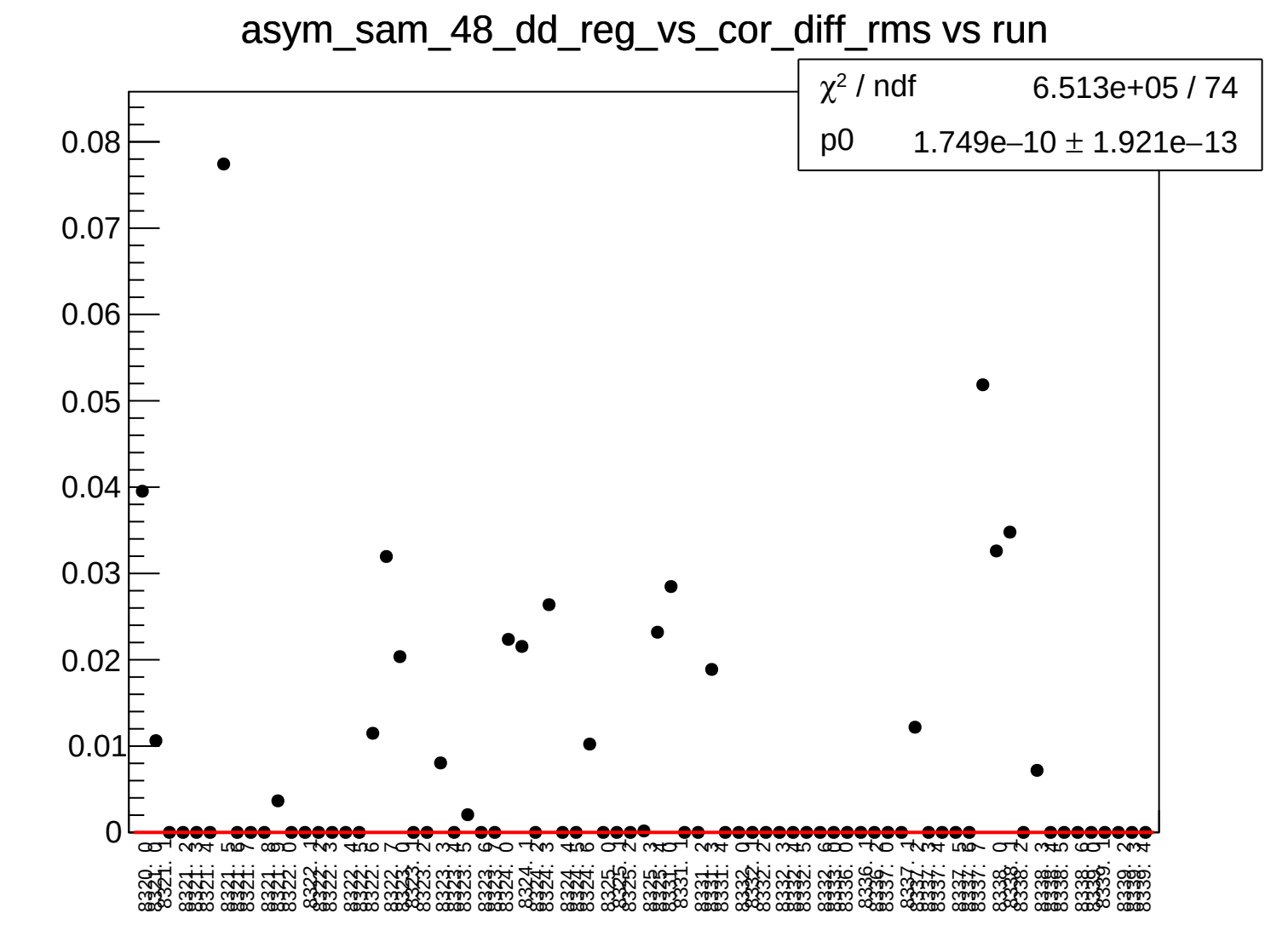

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 88.64 / 74
p0 1.001e+04 ± 2409
pull
Entries 75
Mean 20.59
Std Dev 68.02

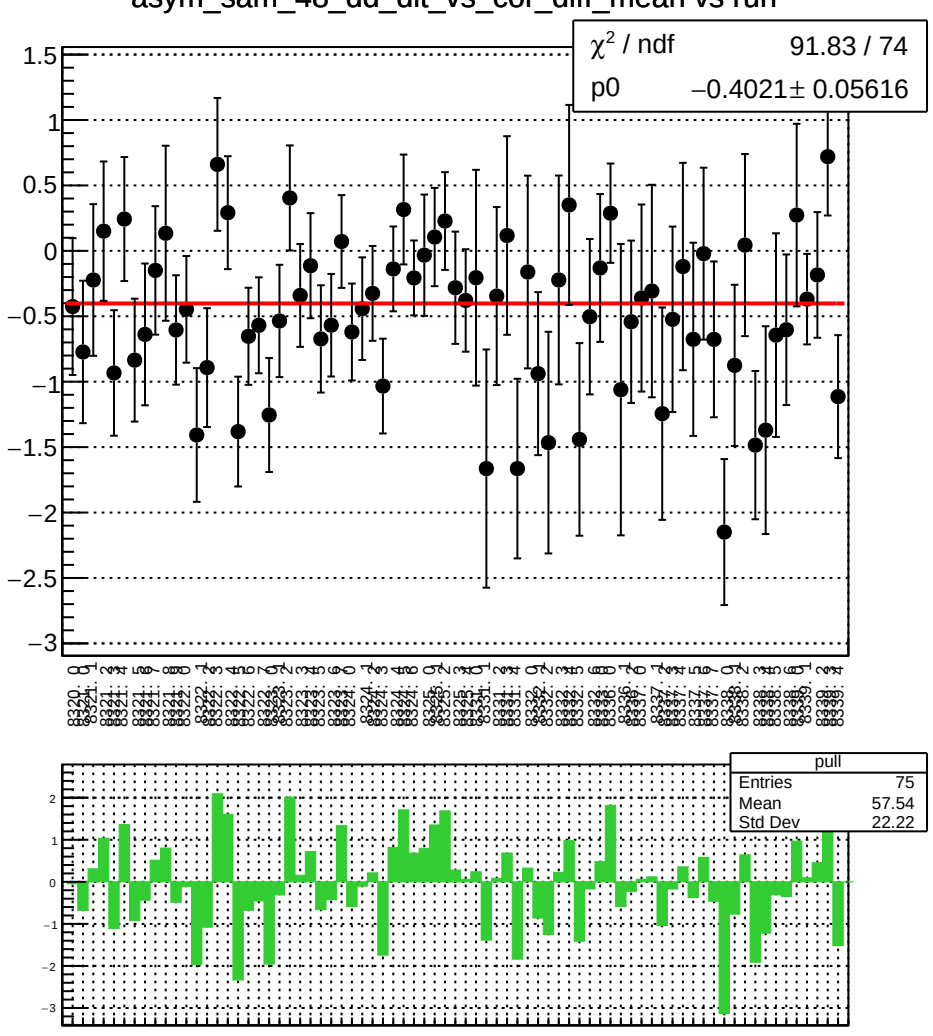

pull1D
Entries 75
Mean −0.00532
Std Dev 1.087

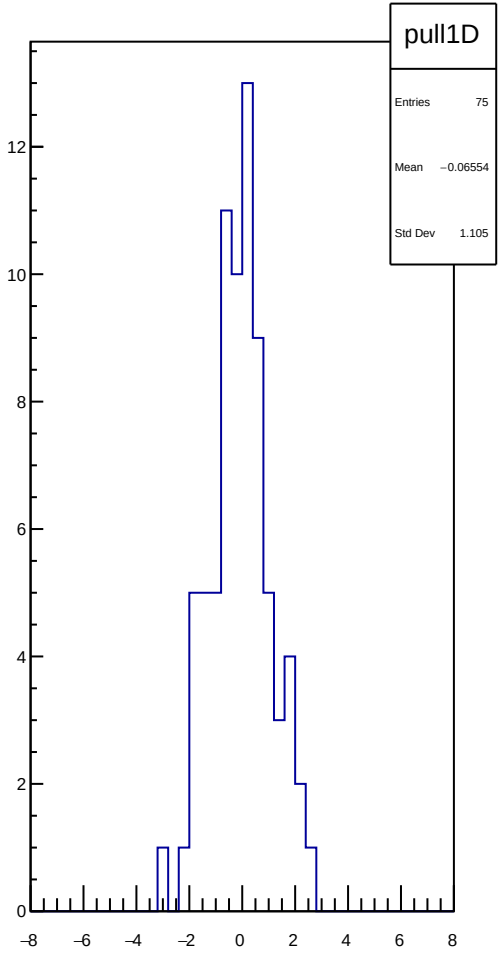

asym_sam_48_dd_rms vs run
χ² / ndf 1937 / 74
p0 2071 ± 1.703
2250
2200
2150
2100
2050
2000
1950
1900

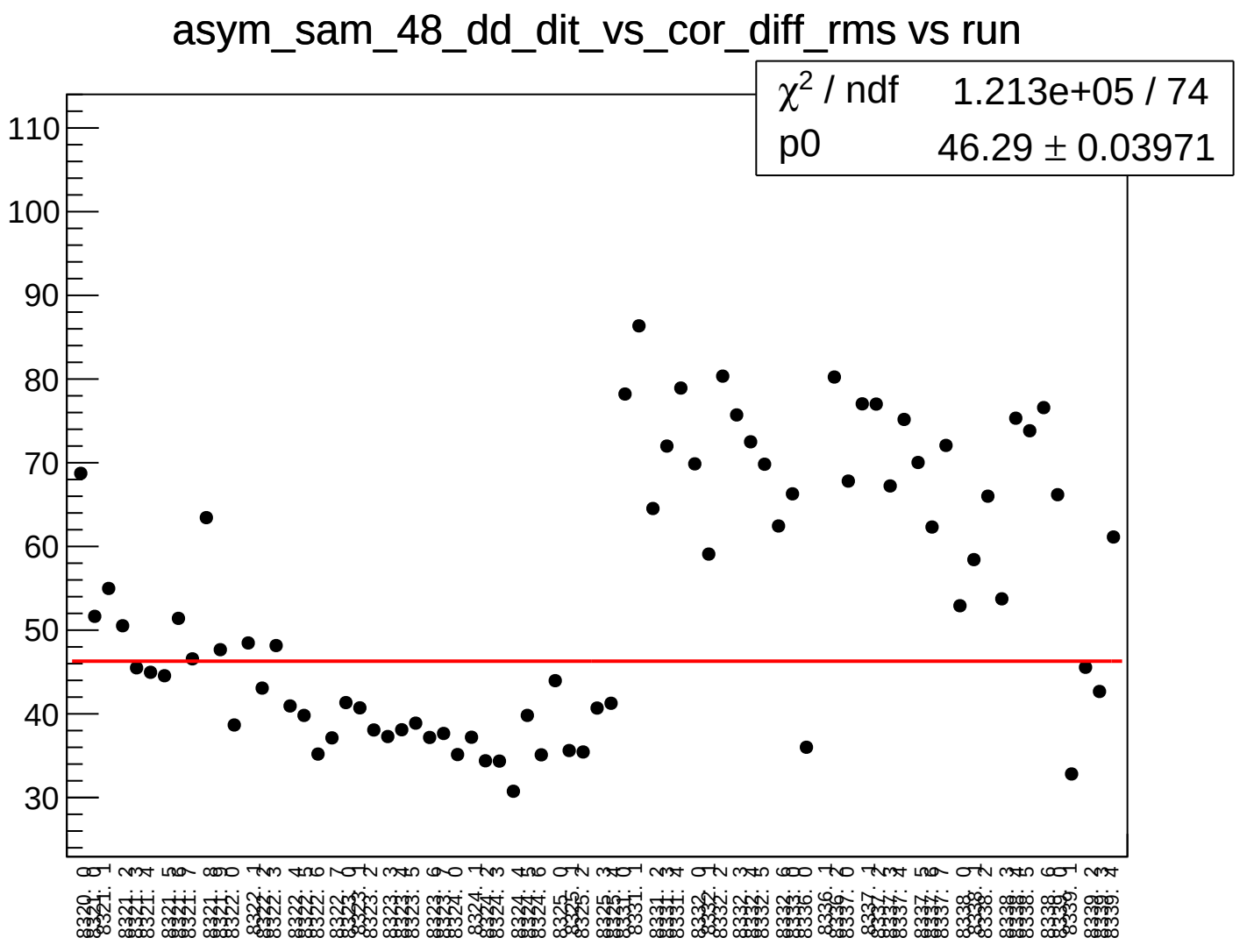

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 86.49 / 74
p0 1.461e−13 ± 2.717e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 75
Mean 196.2
Std Dev 0
3
2
1
0
−1
−2

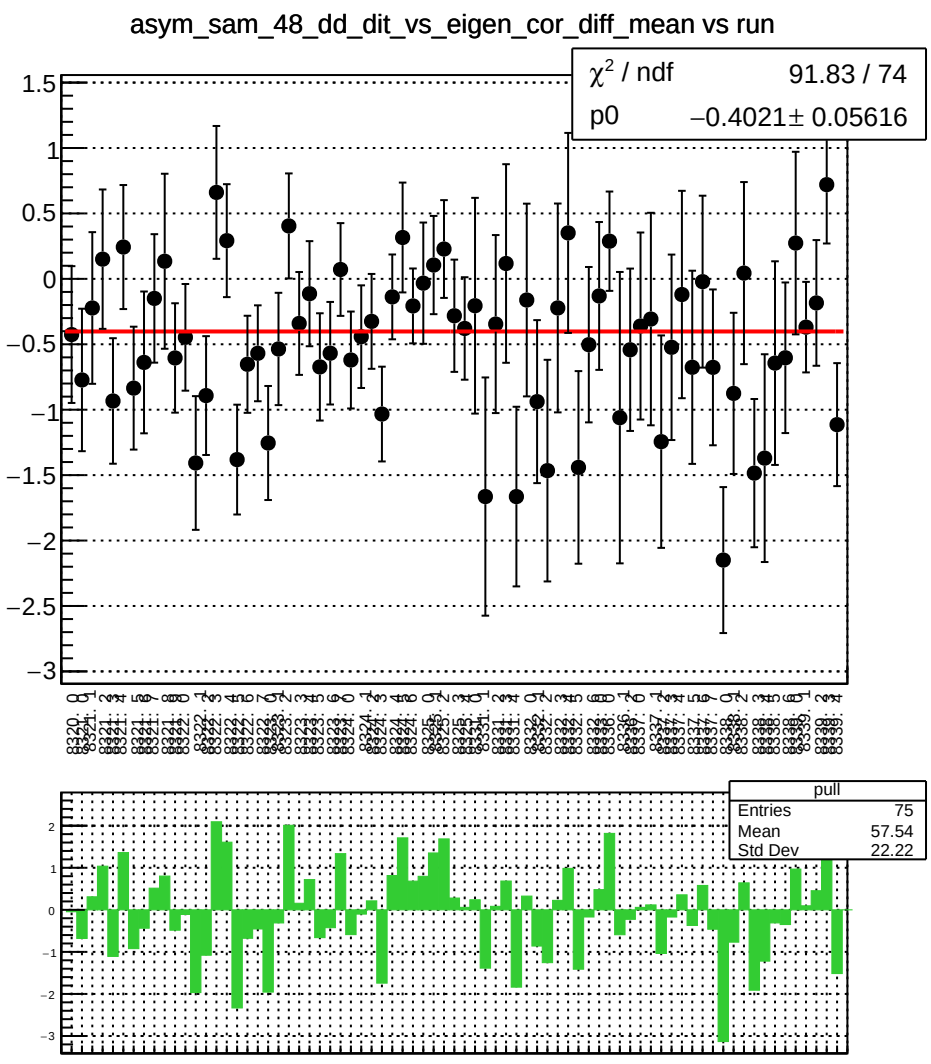

pull1D
Entries 75
Mean 0.04043
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

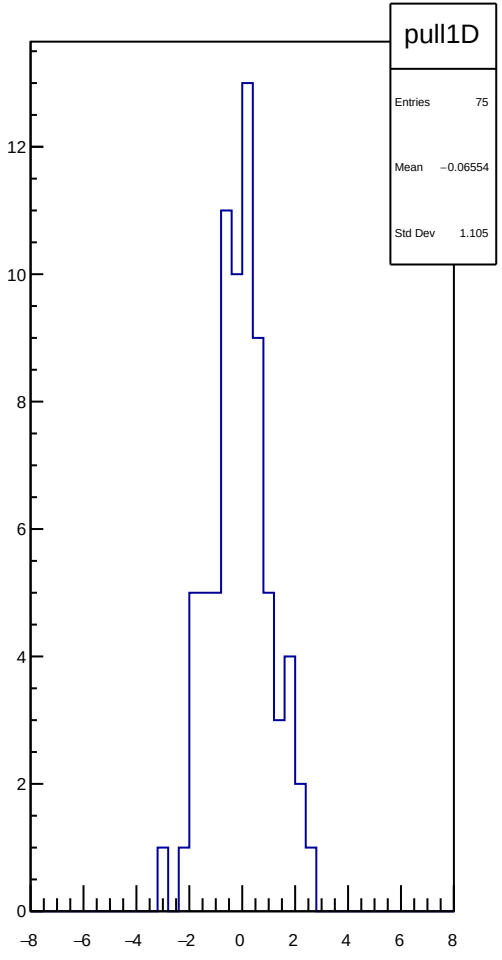

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.513e+05 / 74
p0 1.749e−10 ± 1.921e−13
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

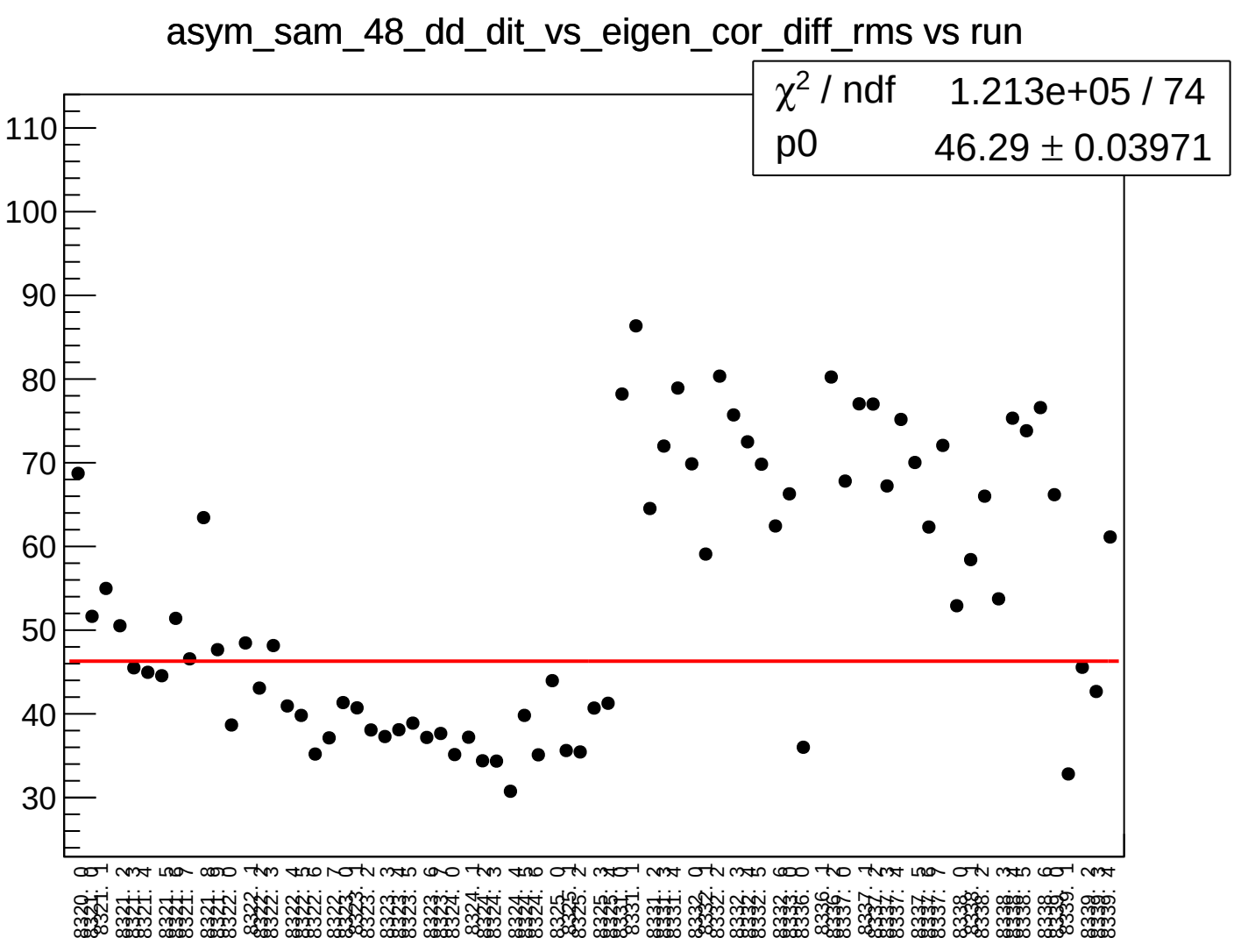

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 91.83 / 74
p0 −0.4021± 0.05616
pull
Entries 75
Mean 57.54
Std Dev 22.22

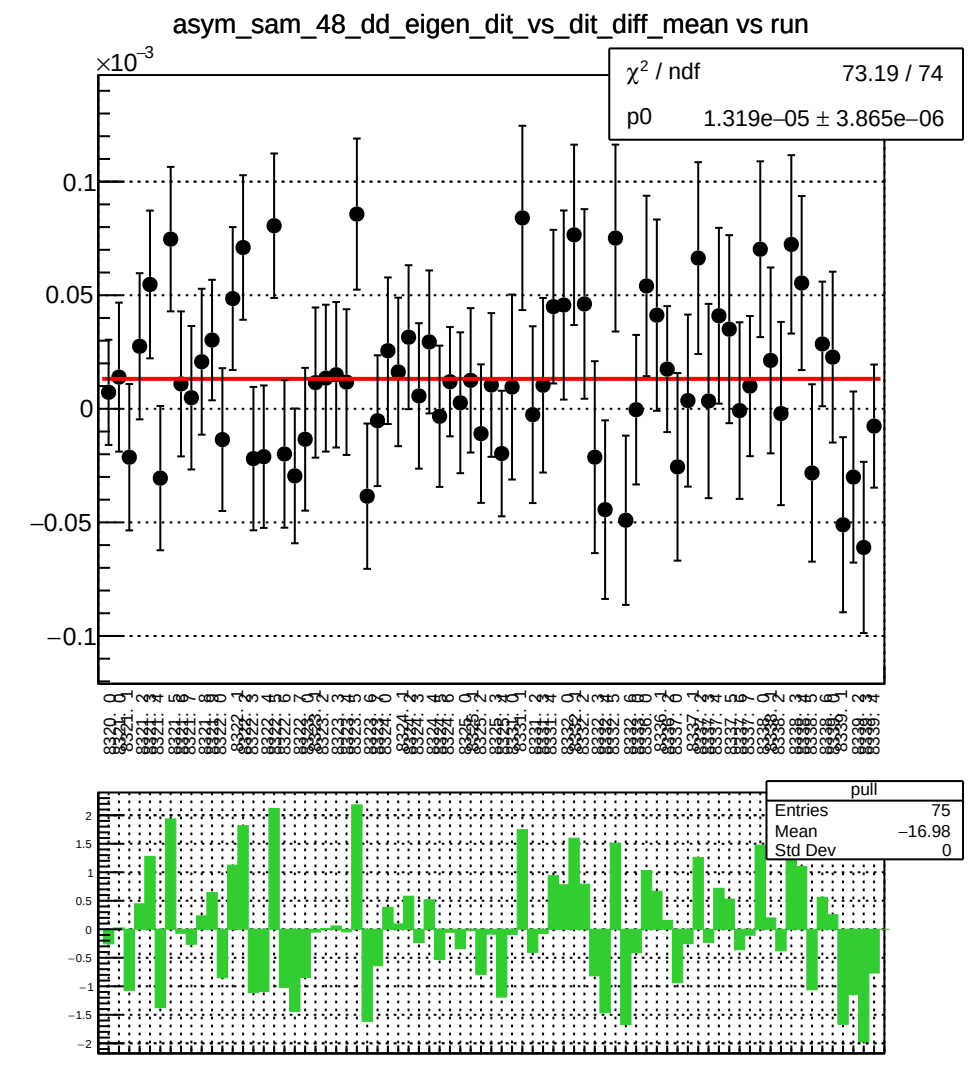

pull1D
Entries 75
Mean −0.06554
Std Dev 1.105

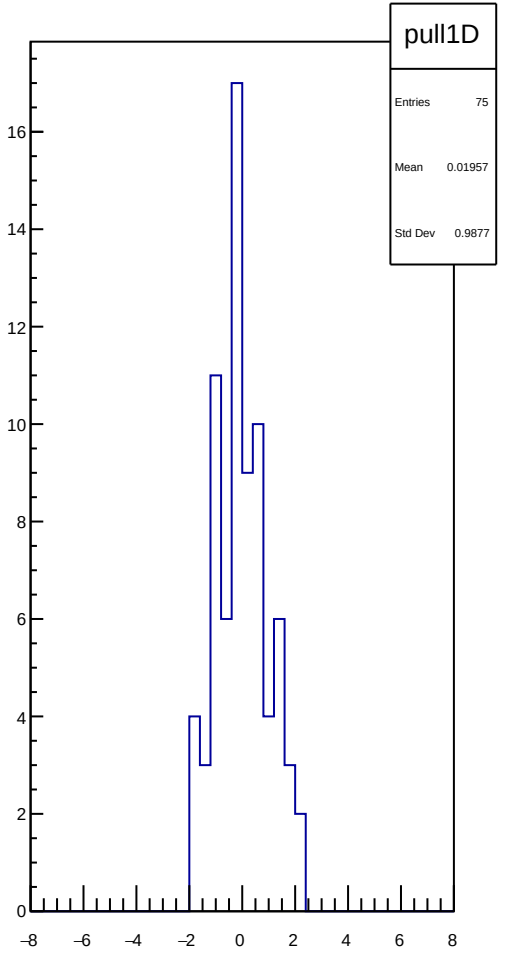

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.213e+05 / 74
p0 46.29 ± 0.03971
110
100
90
80
70
60
50
40
30

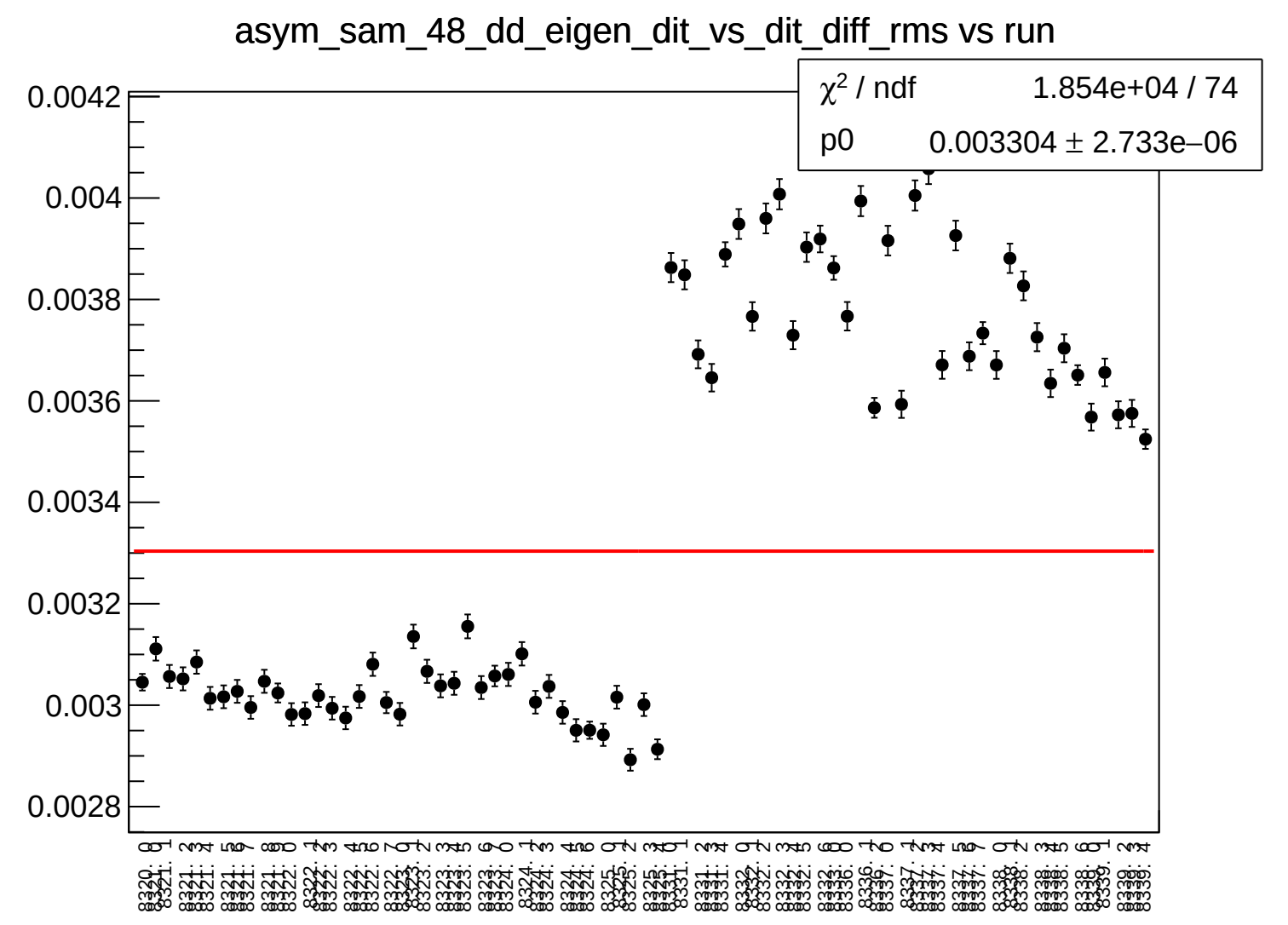

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.83 / 74
p0 −0.4021± 0.05616
pull
Entries 75
Mean 57.54
Std Dev 22.22

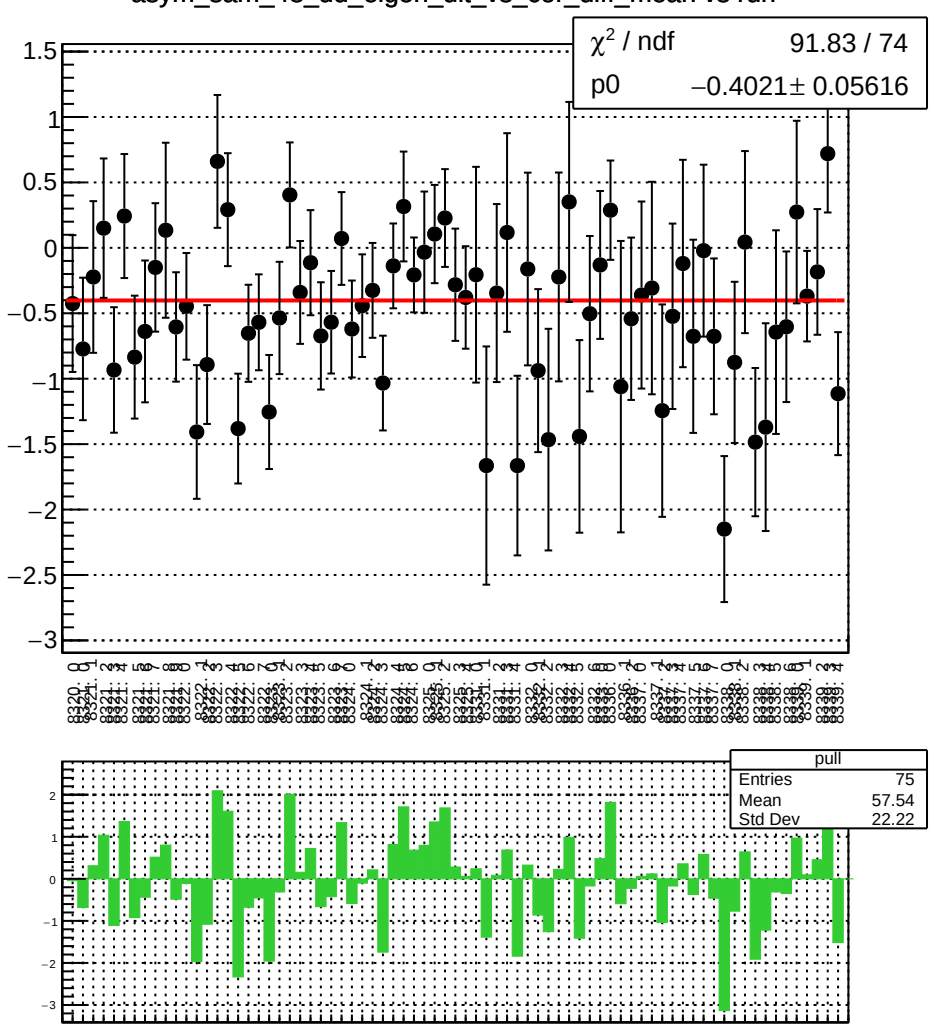

pull1D
Entries 75
Mean −0.06554
Std Dev 1.105

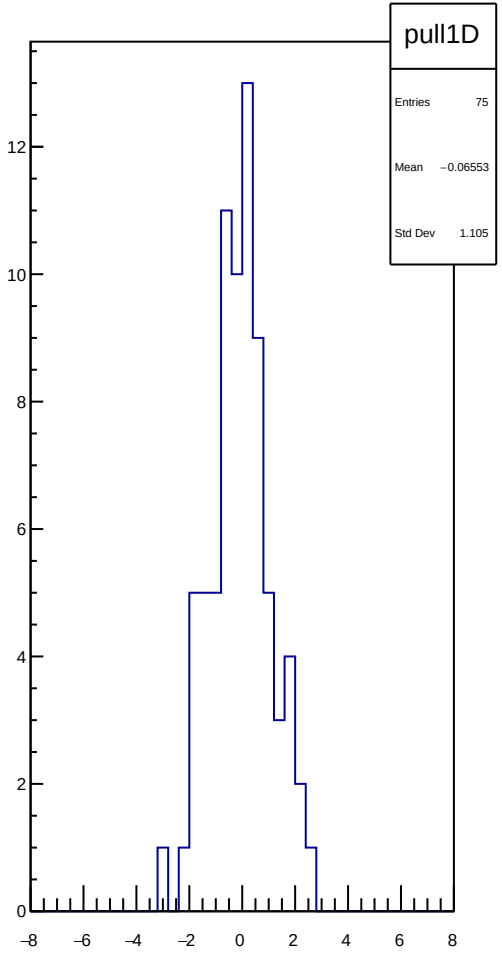

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 1.213e+05 / 74
p0 46.29 ± 0.03971
110
100
90
80
70
60
50
40
30

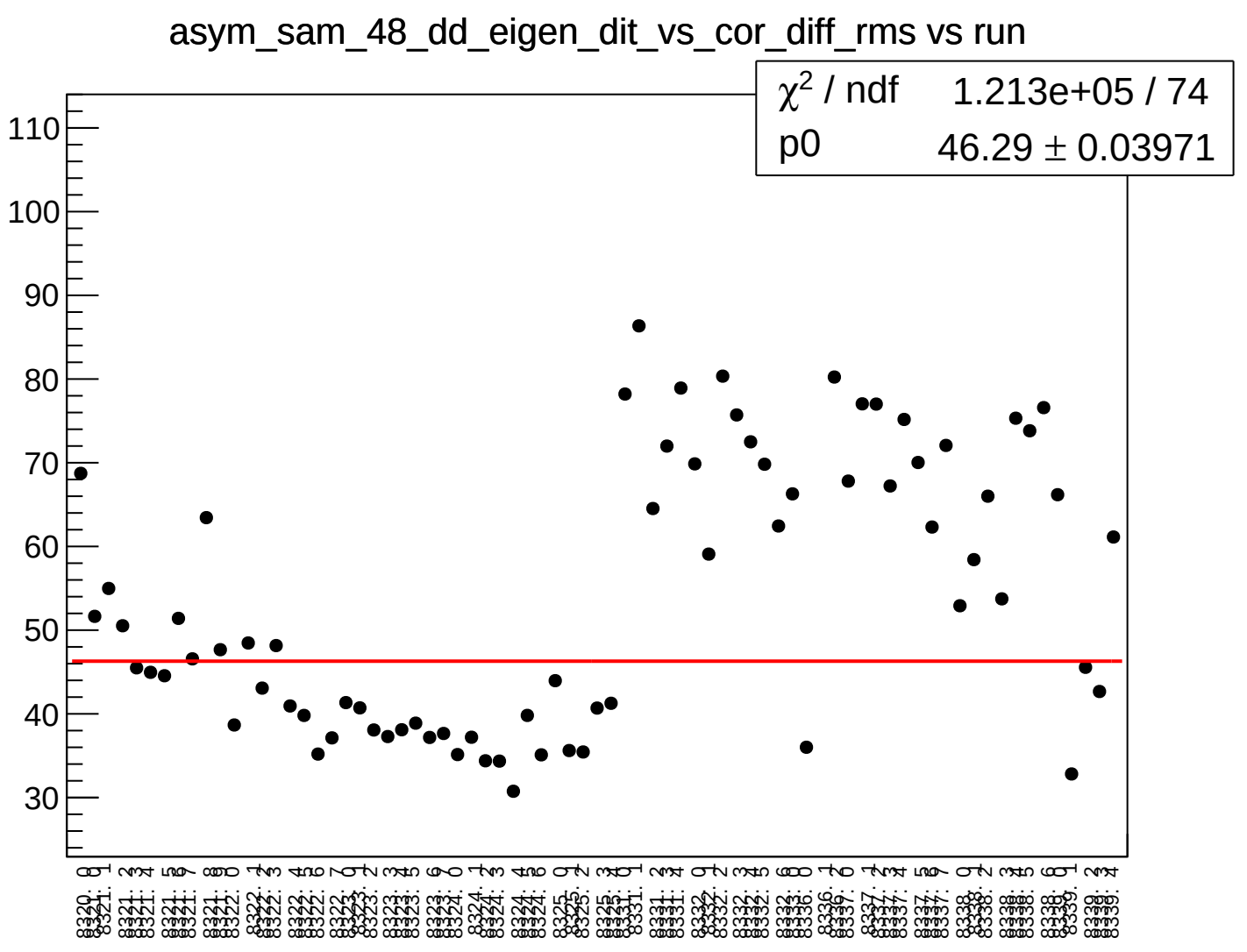

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 73.19 / 74
p0 1.319e−05 ± 3.865e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 75
Mean −16.98
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

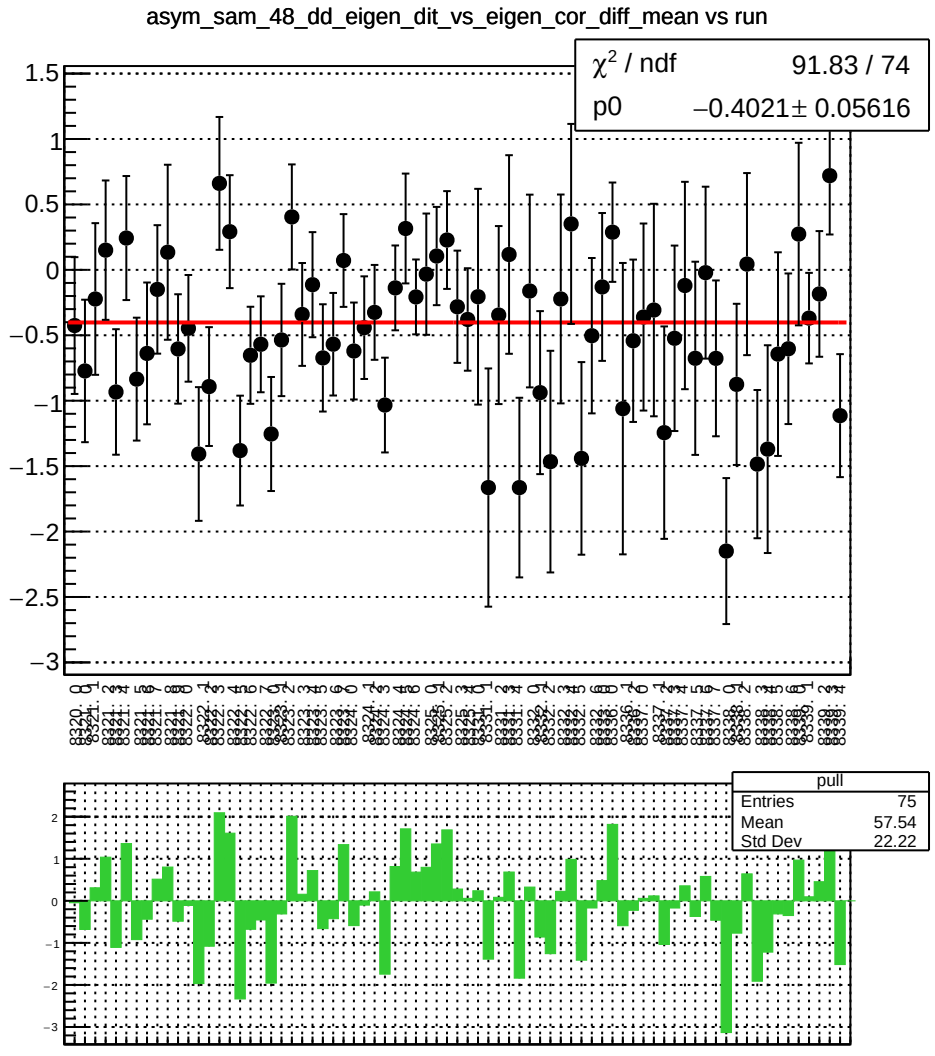

pull1D
Entries 75
Mean 0.01957
Std Dev 0.9877
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

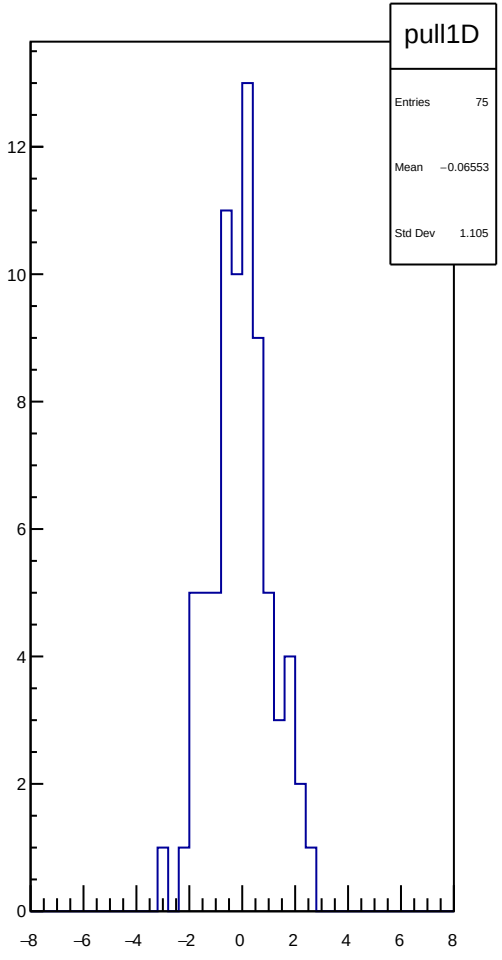

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.854e+04 / 74
p0 0.003304 ± 2.733e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

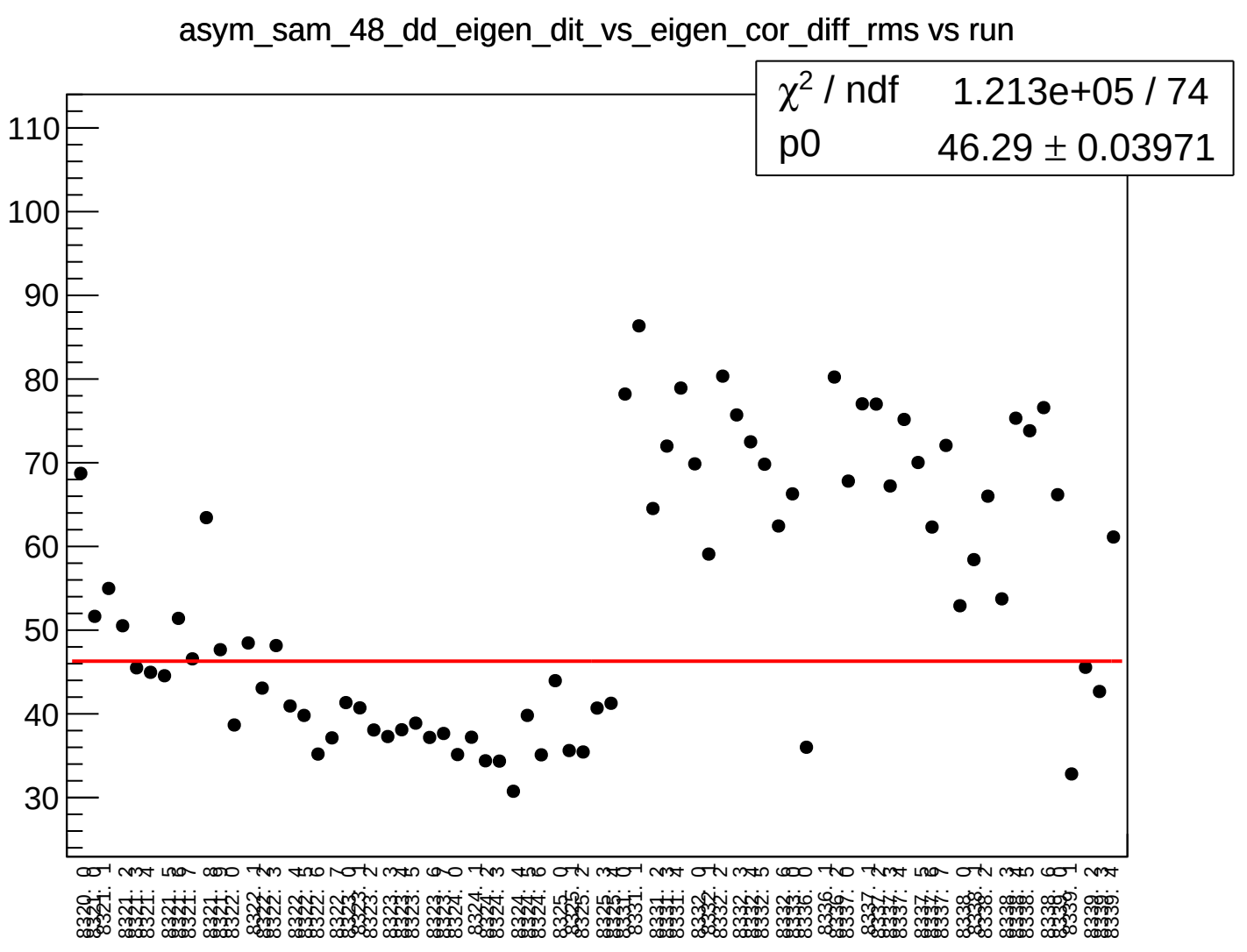

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 91.83 / 74
p0 −0.4021± 0.05616
pull
Entries 75
Mean 57.54
Std Dev 22.22

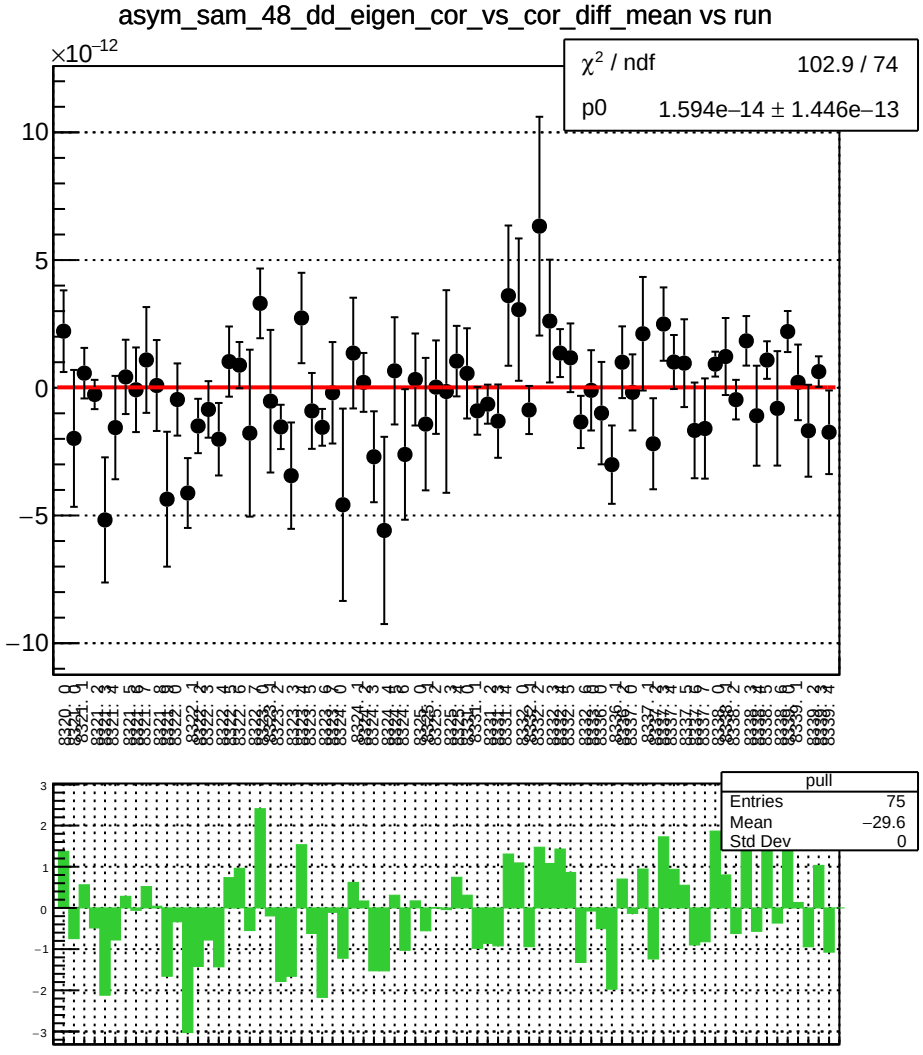

pull1D
Entries 75
Mean −0.06553
Std Dev 1.105

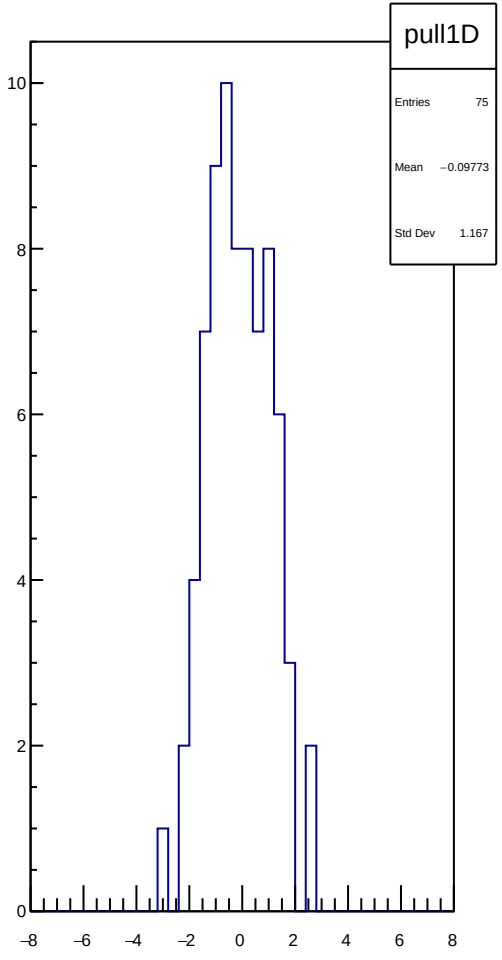

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.213e+05 / 74
p0 46.29 ± 0.03971
110
100
90
80
70
60
50
40
30

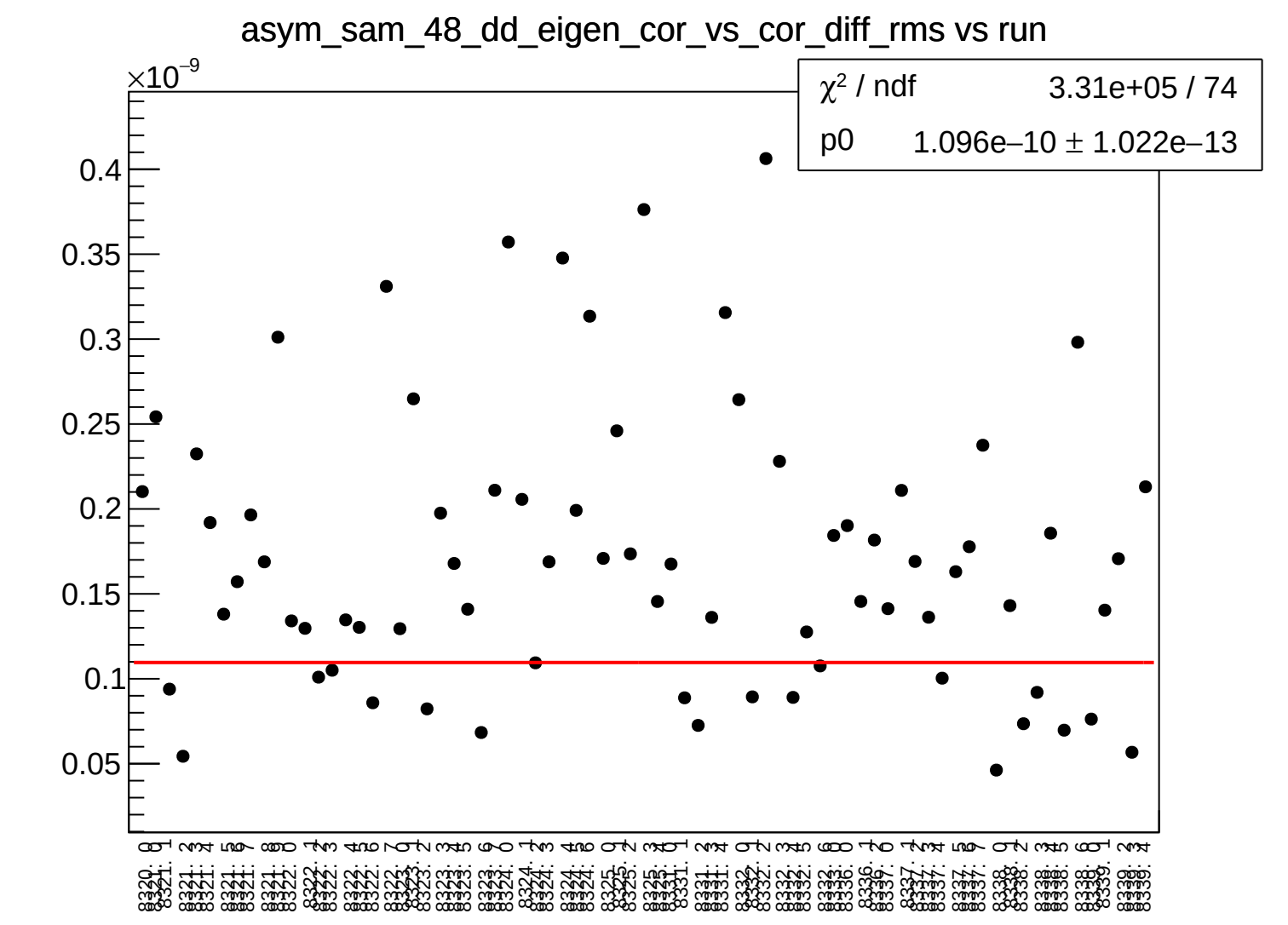

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 91.83 / 74
p0 −0.4021± 0.05616
pull
Entries 75
Mean 57.54
Std Dev 22.22

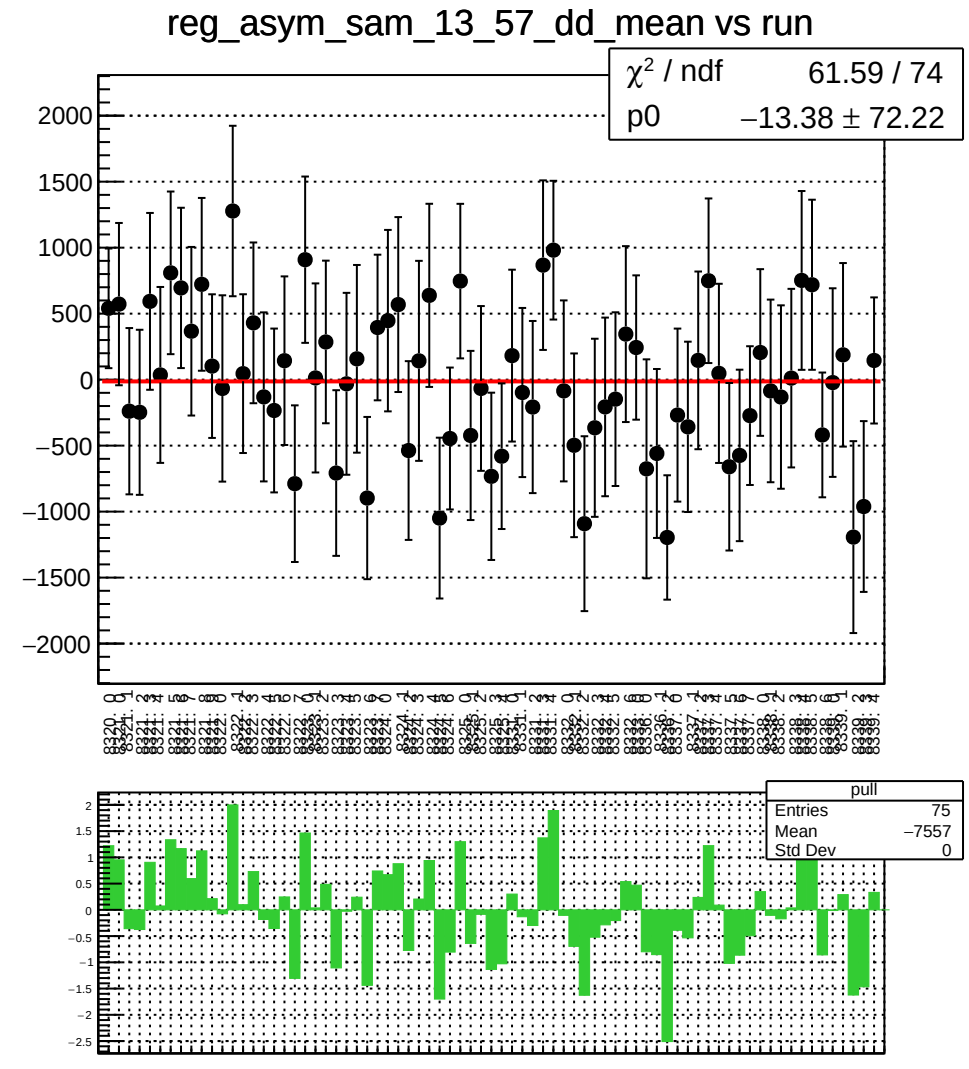

pull1D
Entries 75
Mean −0.06553
Std Dev 1.105

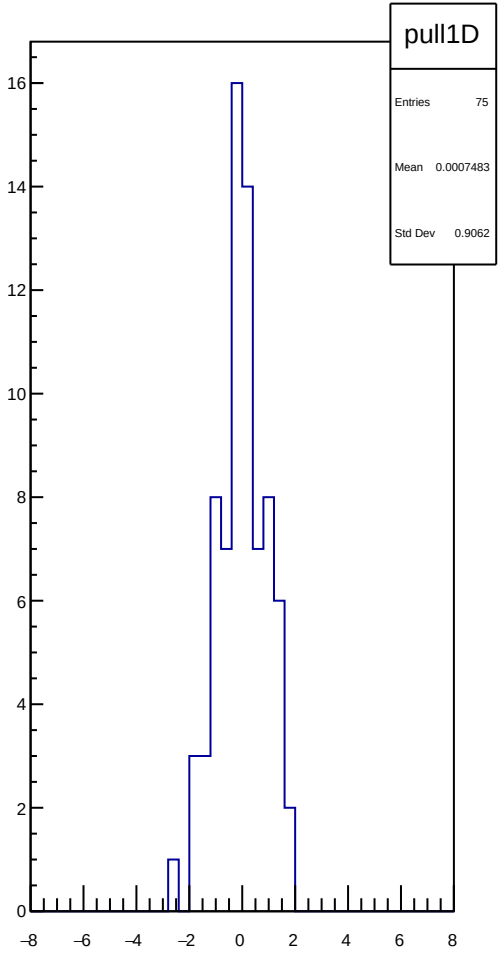

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.213e+05 / 74
p0 46.29 ± 0.03971
110
100
90
80
70
60
50
40
30

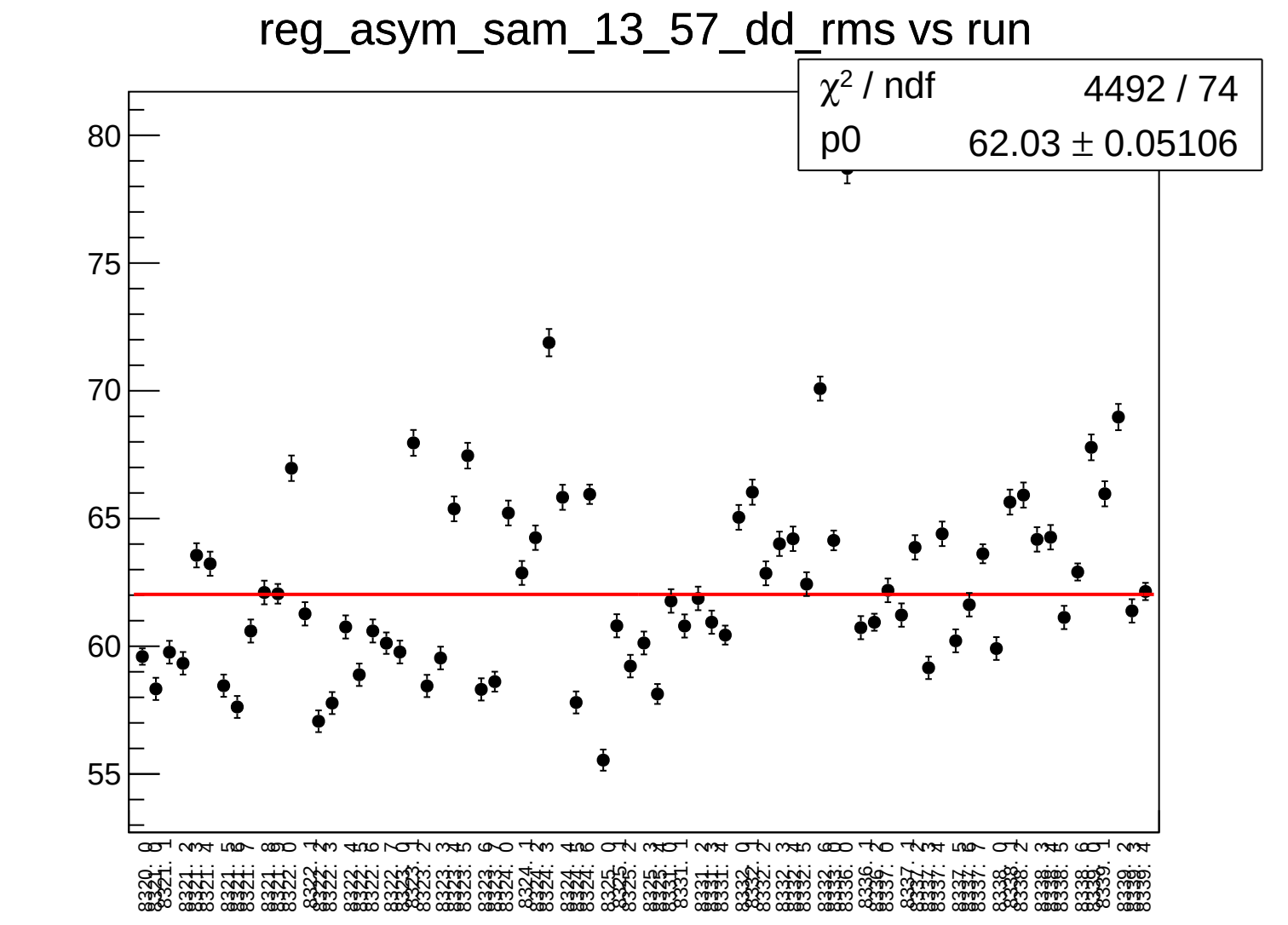

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 102.9 / 74
p0 1.594e−14 ± 1.446e−13
pull
Entries 75
Mean −29.6
Std Dev 0

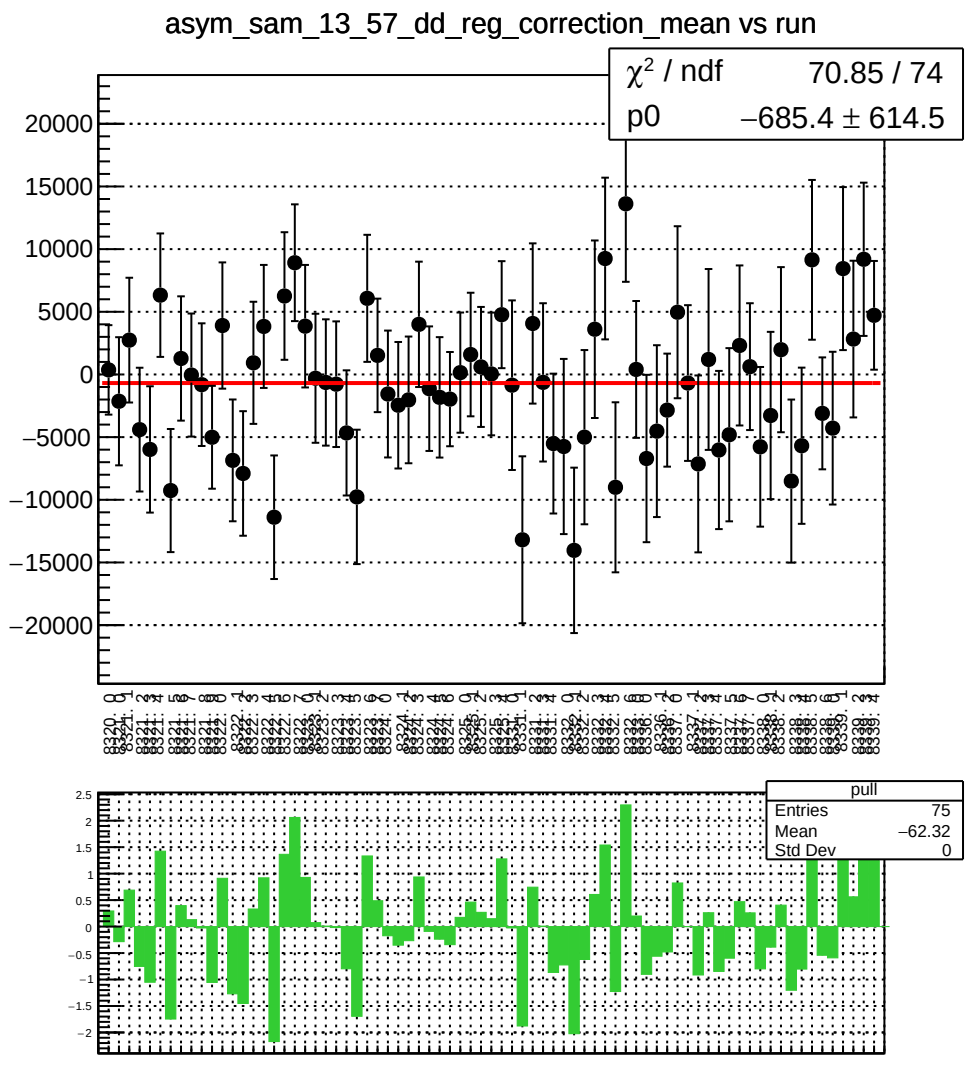

pull1D
Entries 75
Mean −0.09773
Std Dev 1.167

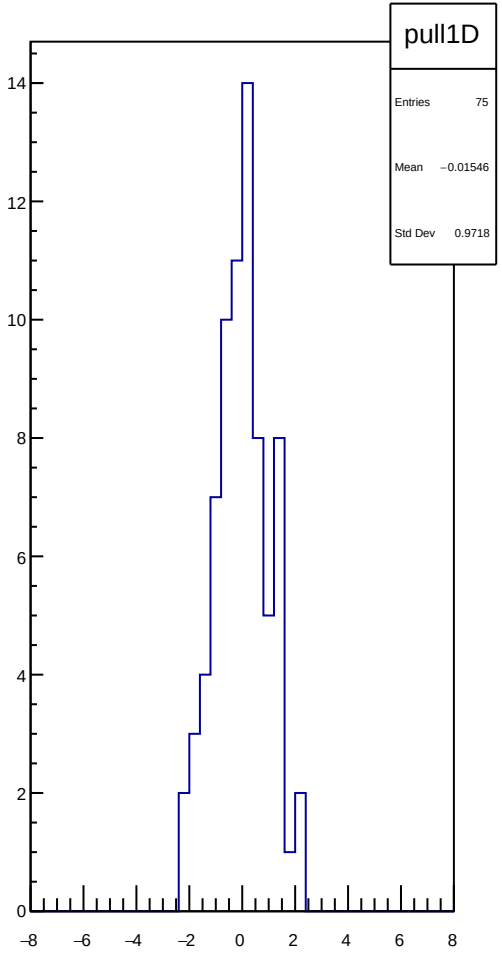

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.31e+05 / 74
p0 1.096e−10 ± 1.022e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

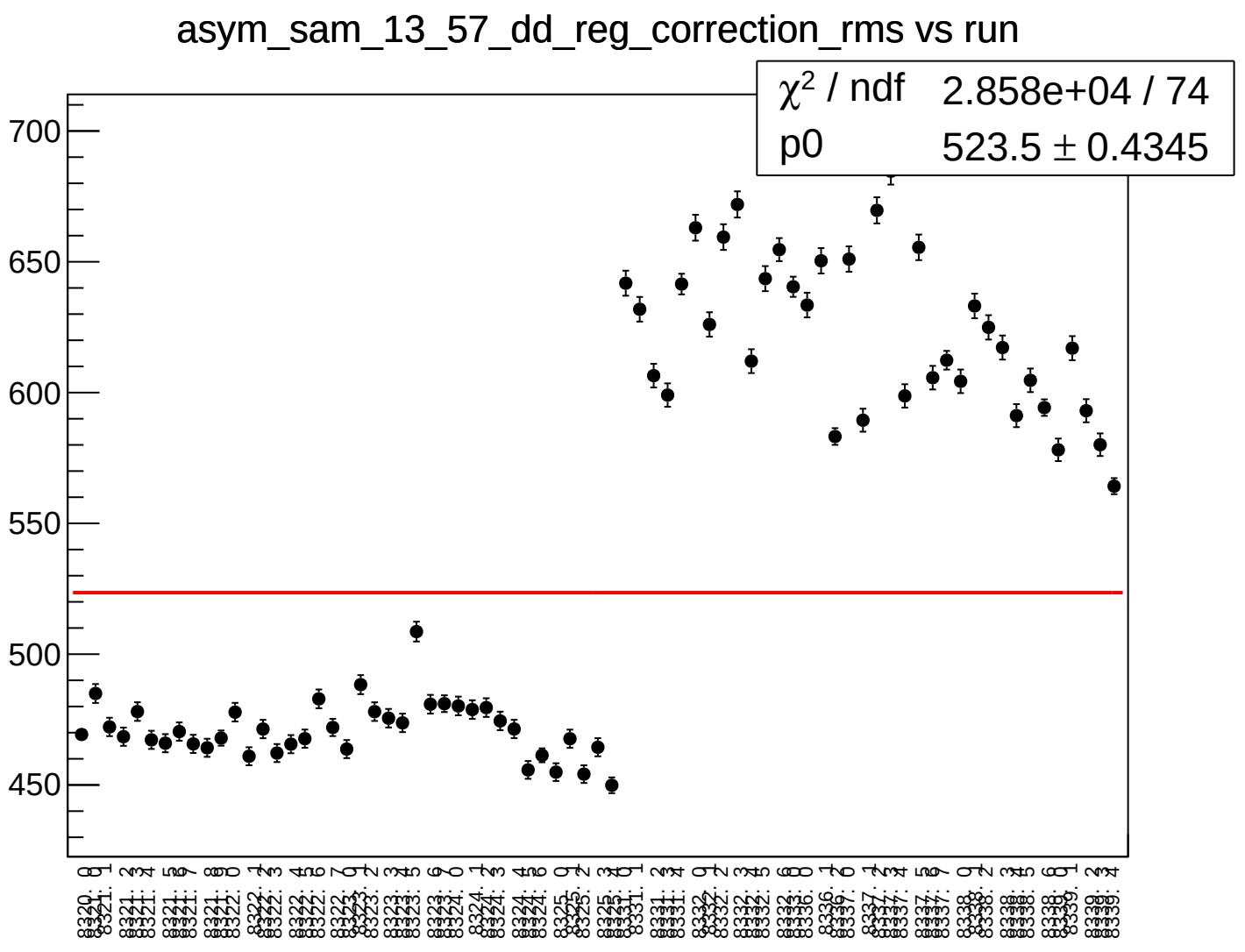

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 61.59 / 74
p0 −13.38 ± 72.22
pull
Entries 75
Mean −7557
Std Dev 0

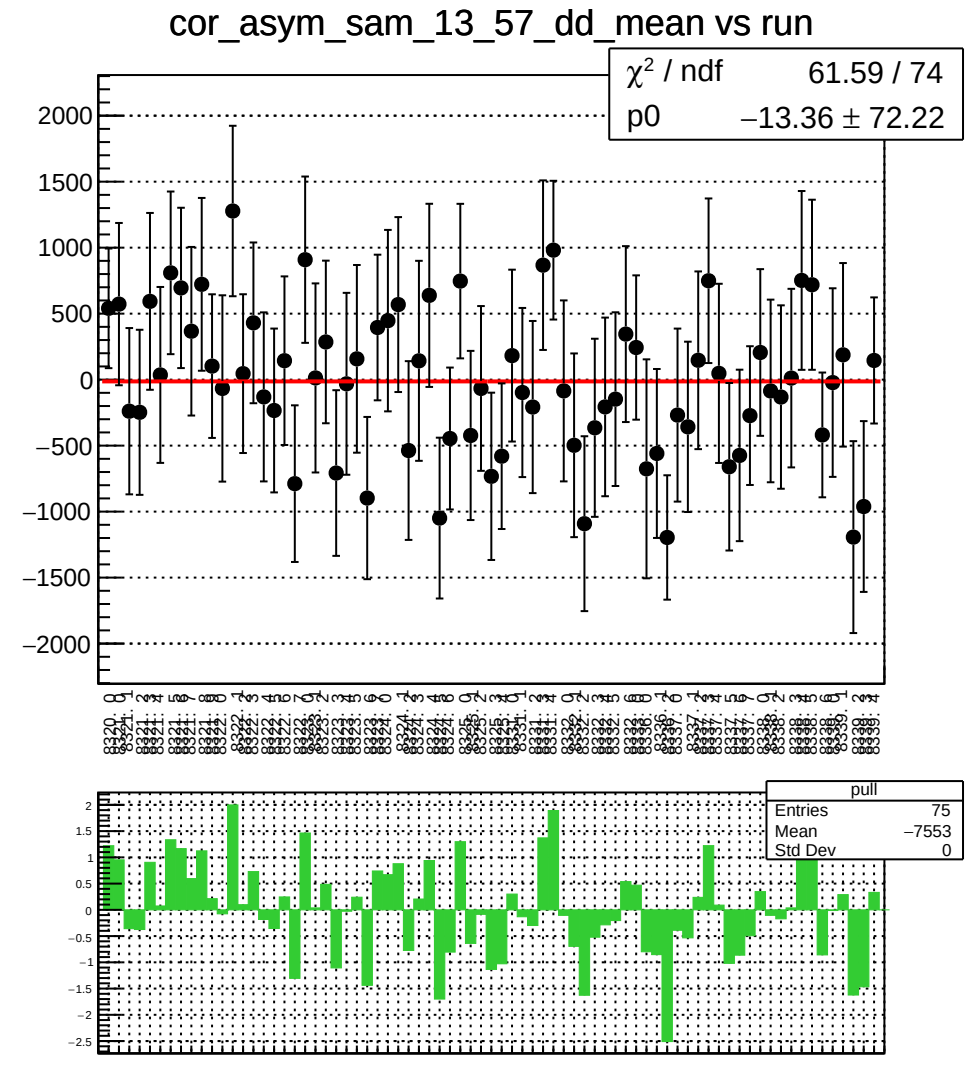

pull1D
Entries 75
Mean 0.0007483
Std Dev 0.9062

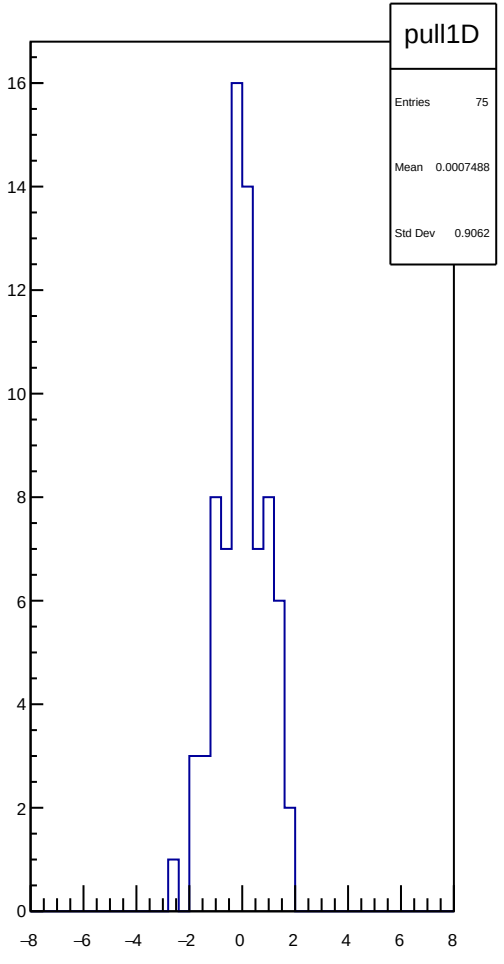

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 4492 / 74
p0 62.03 ± 0.05106
80
75
70
65
60
55

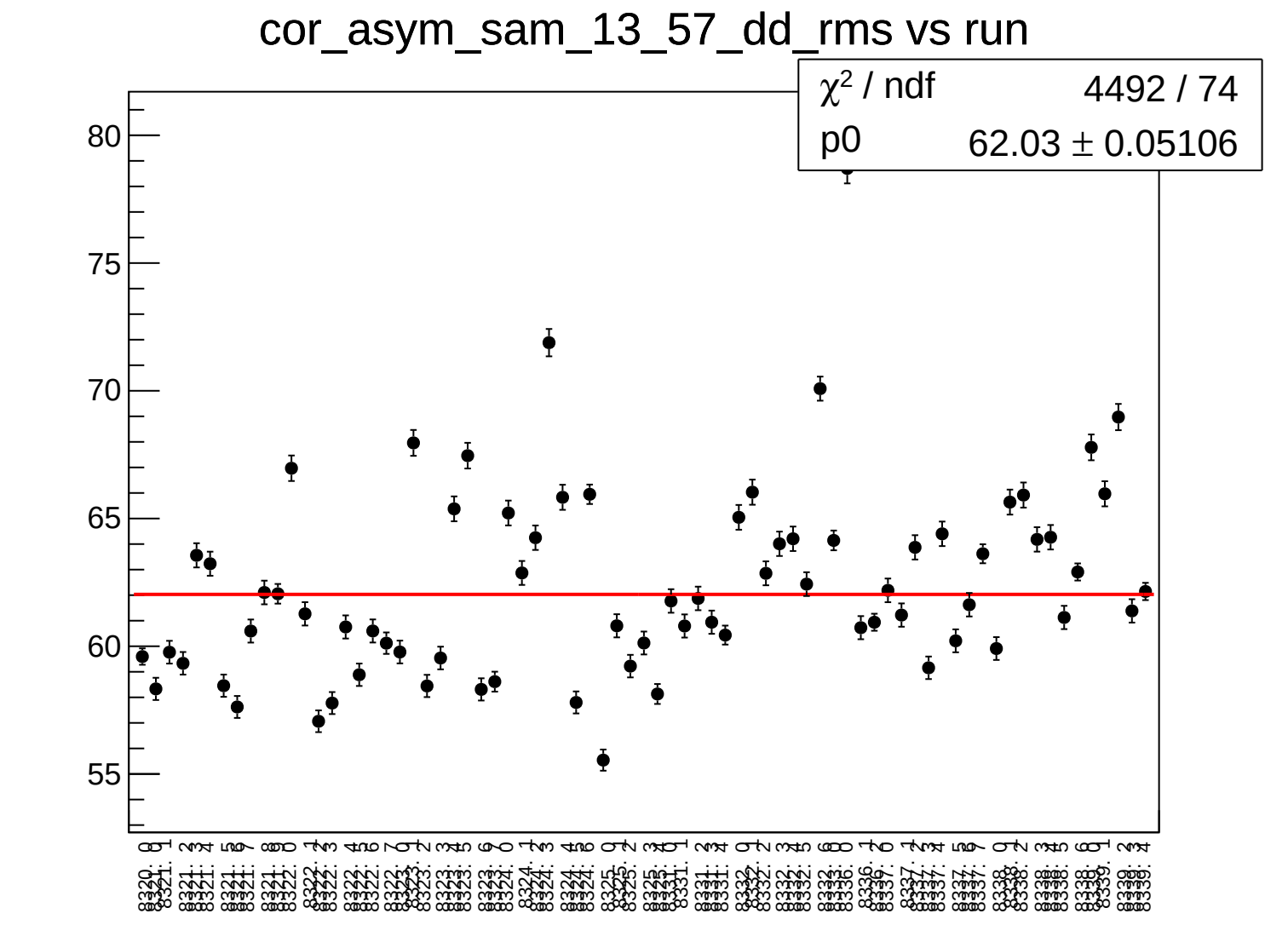

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 70.85 / 74
p0 −685.4 ± 614.5
pull
Entries 75
Mean −62.32
Std Dev 0

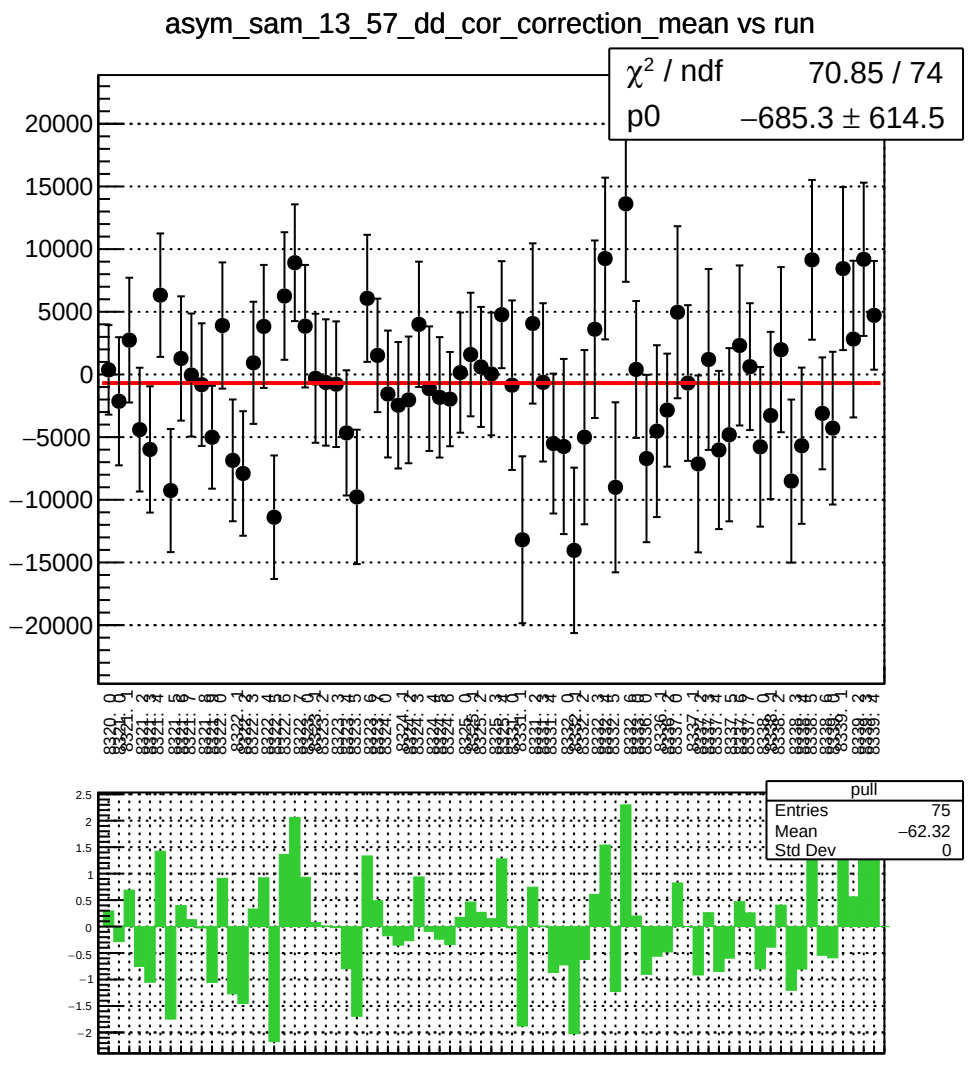

pull1D
Entries 75
Mean −0.01546
Std Dev 0.9718

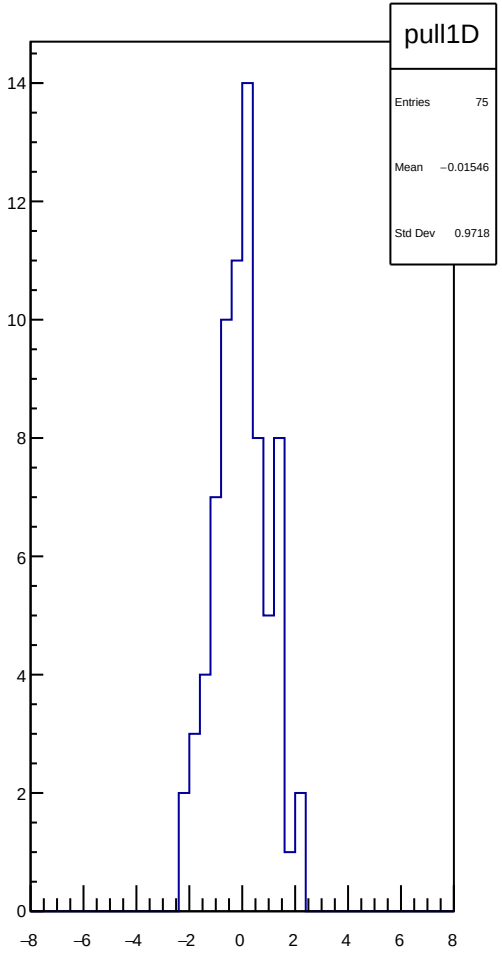

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 2.858e+04 / 74
p0 523.5 ± 0.4345
700
650
600
550
500
450

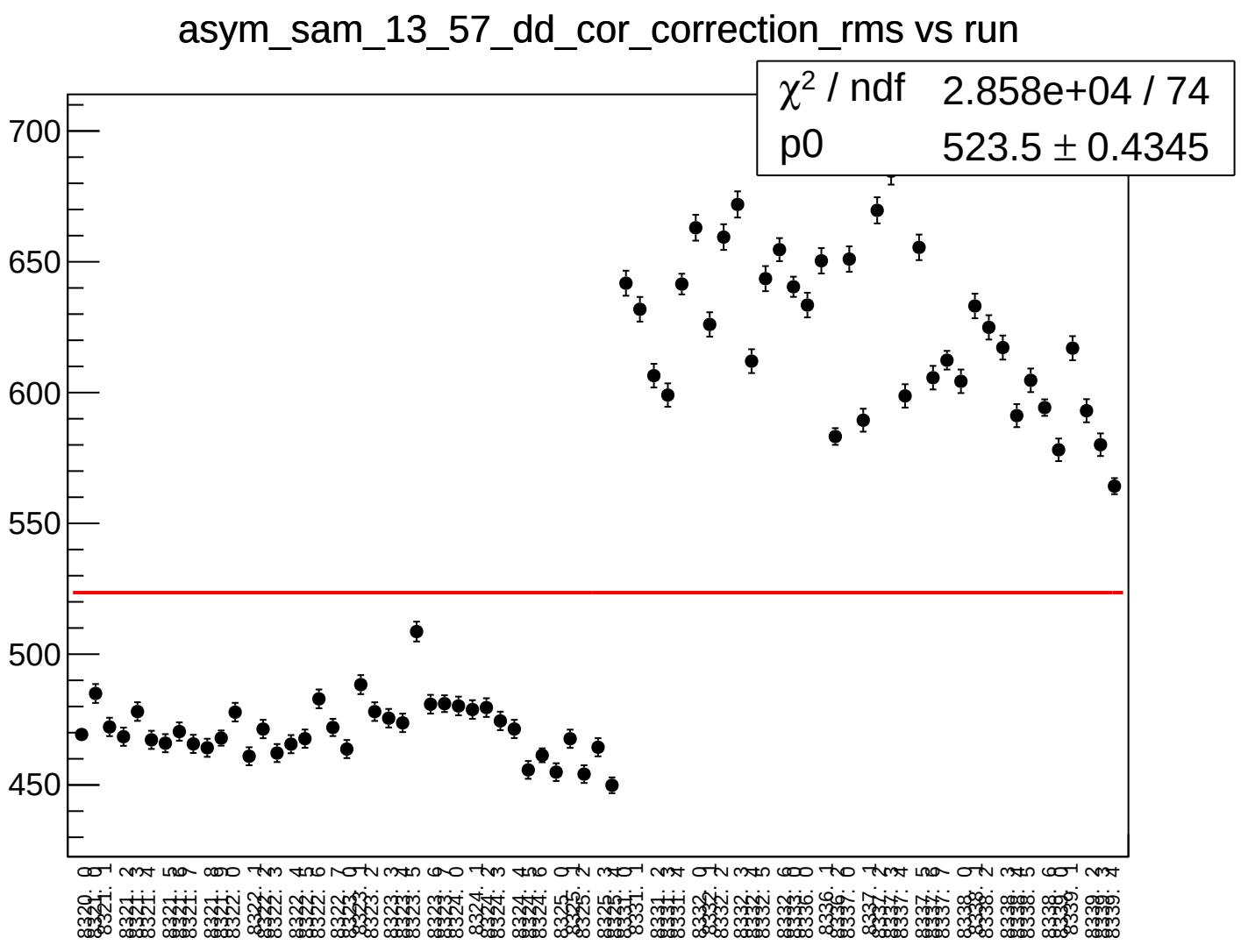

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 61.59 / 74
p0 −13.36 ± 72.22
pull
Entries 75
Mean −7553
Std Dev 0

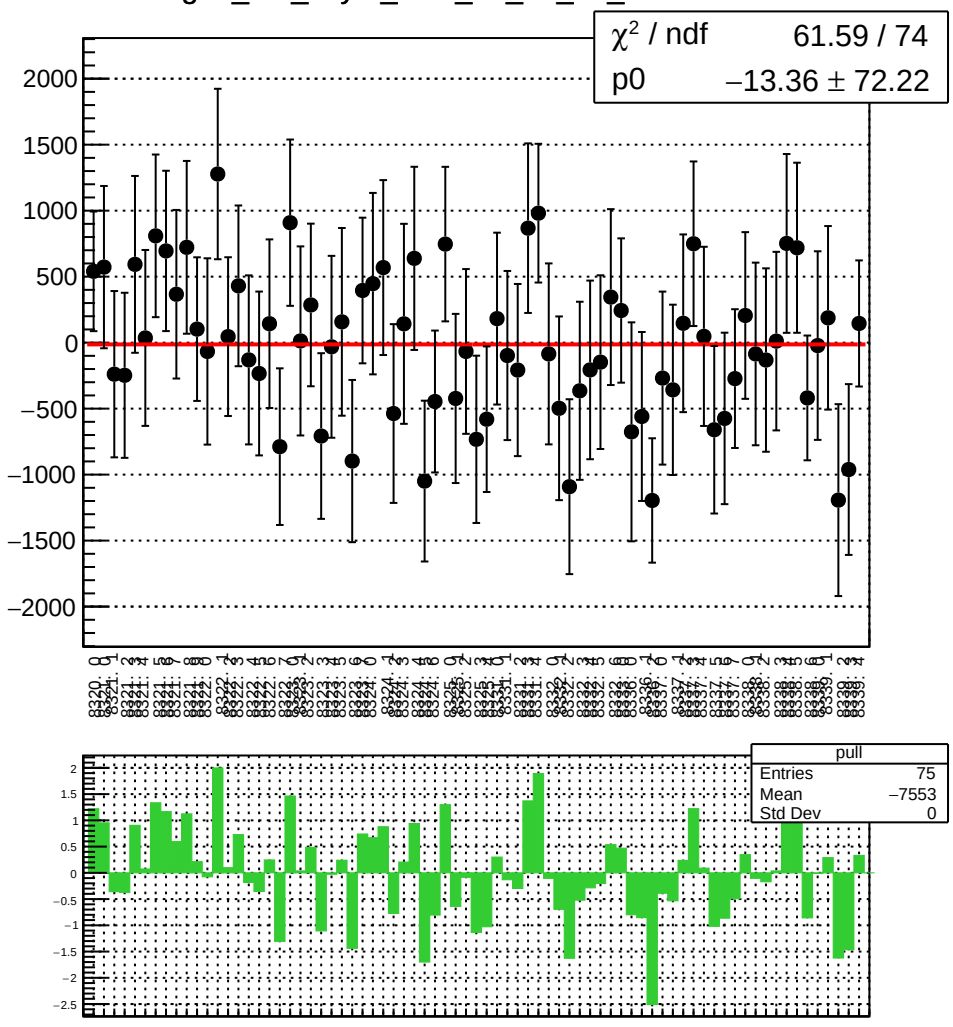

pull1D
Entries 75
Mean 0.0007488
Std Dev 0.9062

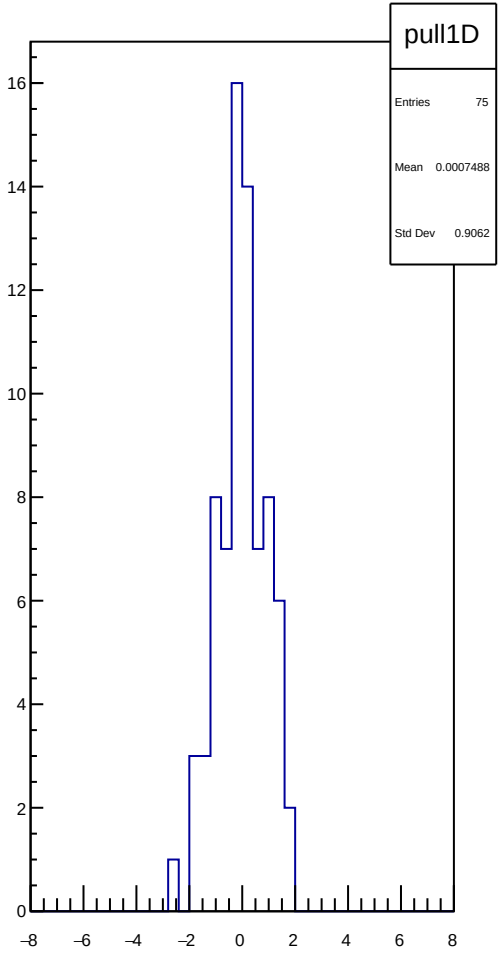

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 4492 / 74
p0 62.03 ± 0.05106
80
75
70
65
60
55

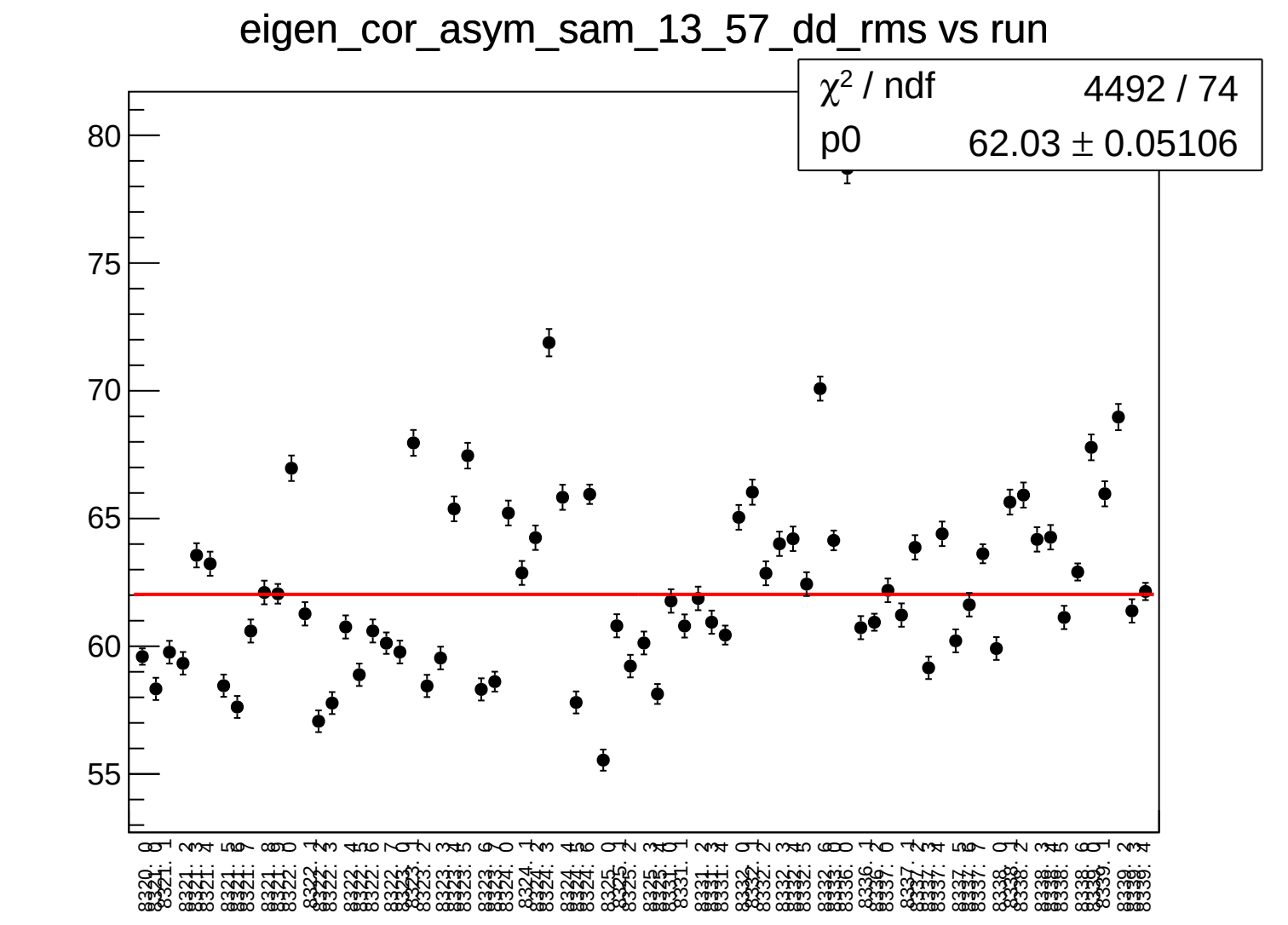

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 70.85 / 74
p0 −685.3 ± 614.5
pull
Entries 75
Mean −62.32
Std Dev 0

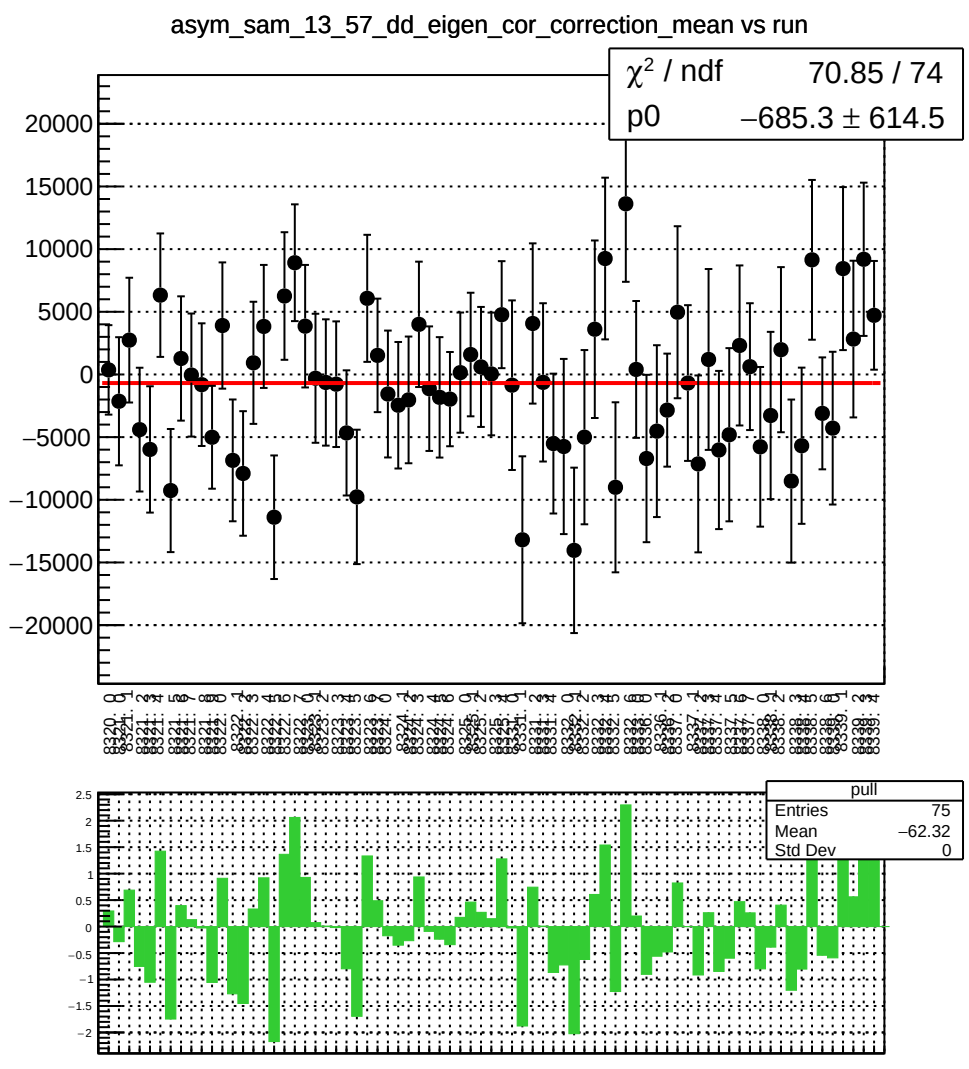

pull1D
Entries 75
Mean −0.01546
Std Dev 0.9718

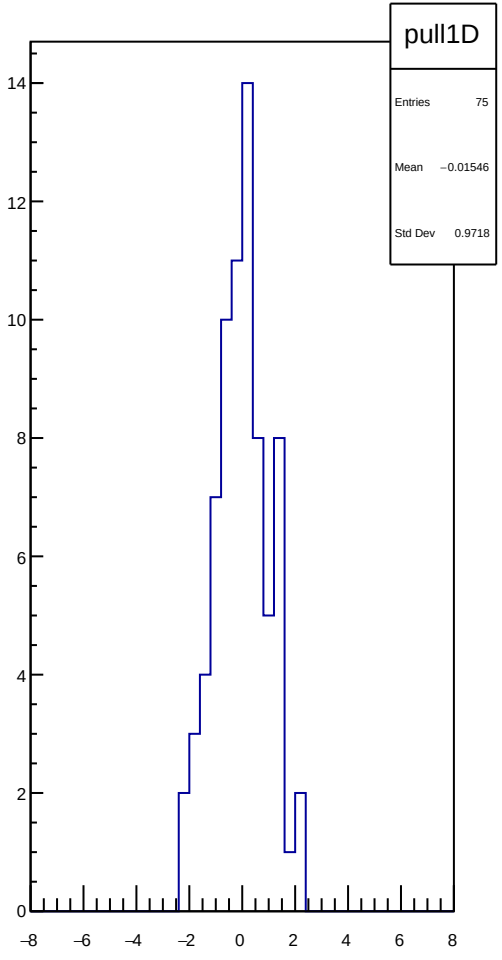

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 2.858e+04 / 74
p0 523.5 ± 0.4345
700
650
600
550
500
450

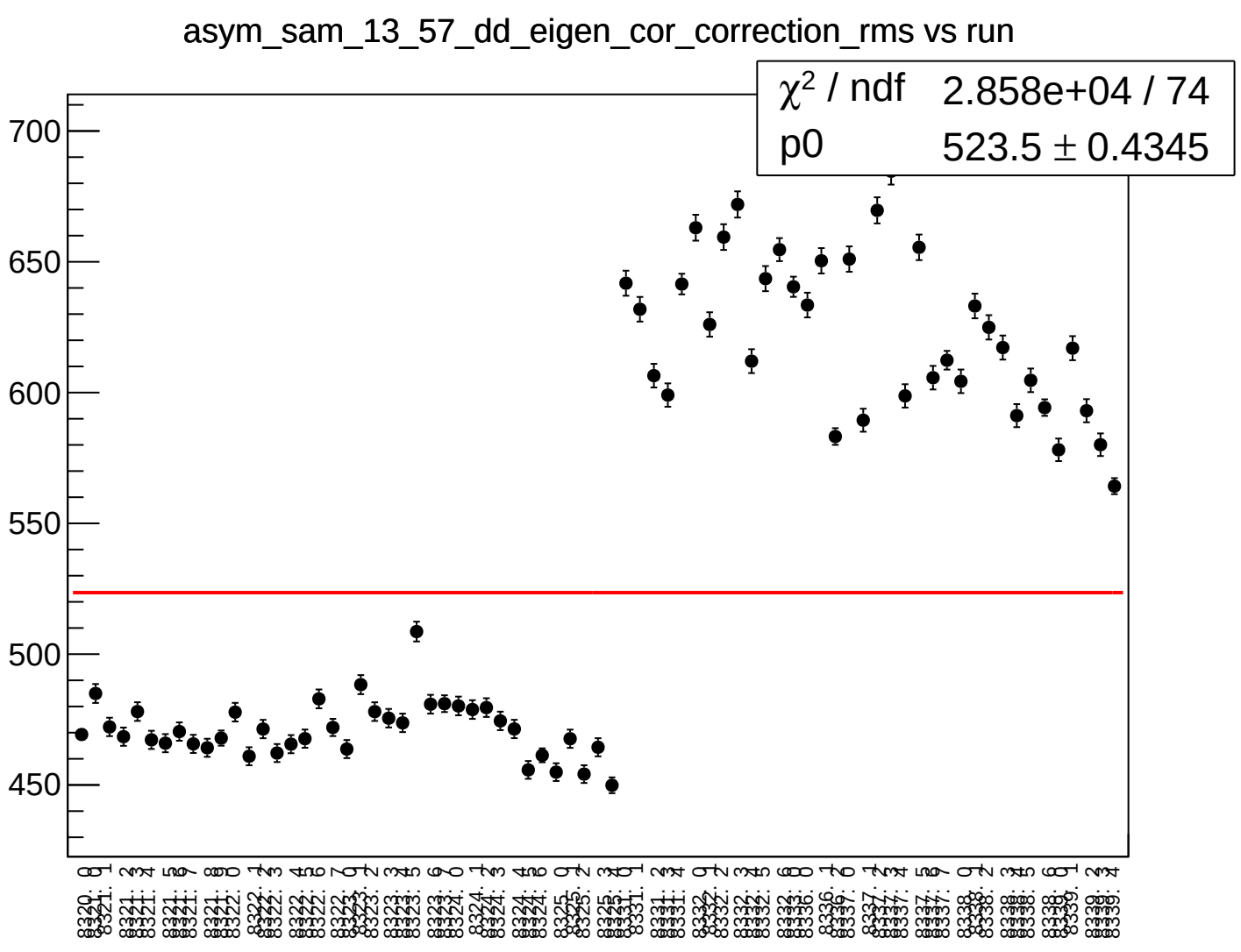

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 61.59 / 74
p0 −13.36 ± 72.22
pull
Entries 75
Mean −7553
Std Dev 0

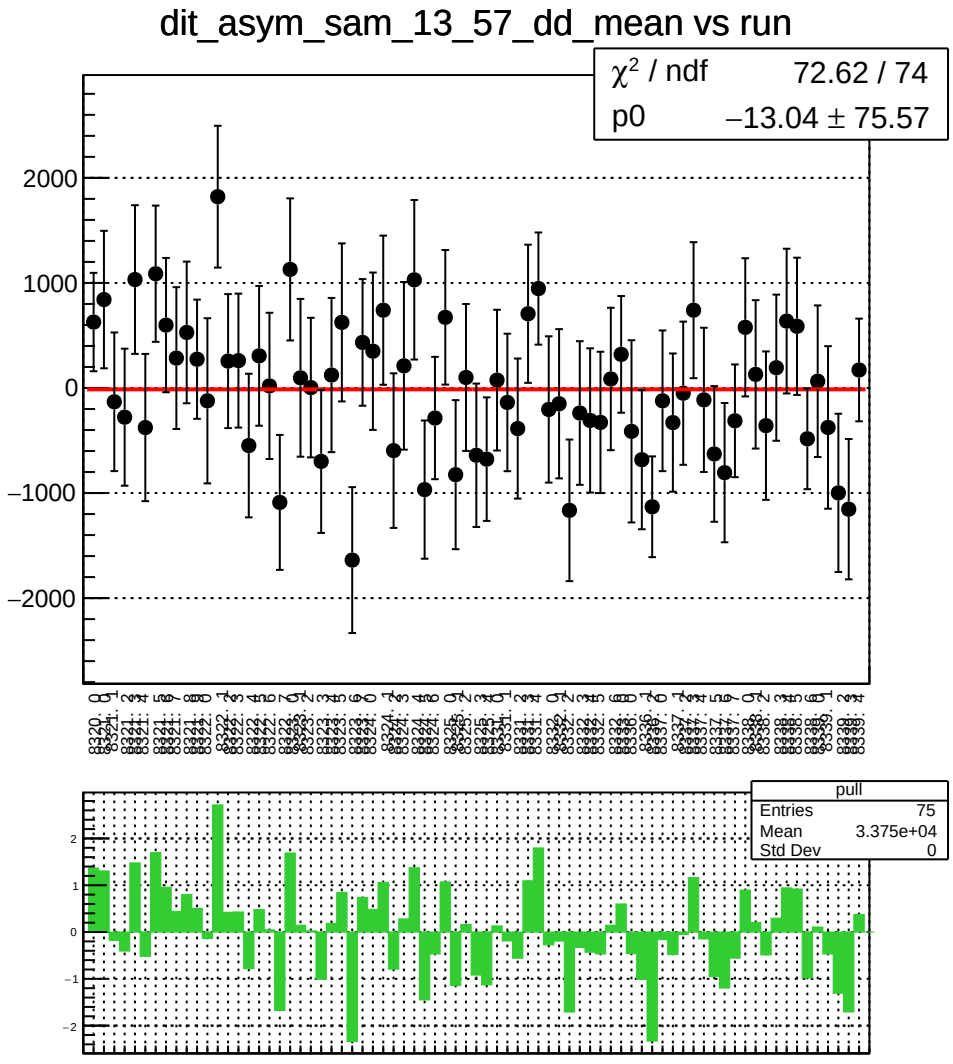

pull1D
Entries 75
Mean 0.0007488
Std Dev 0.9062

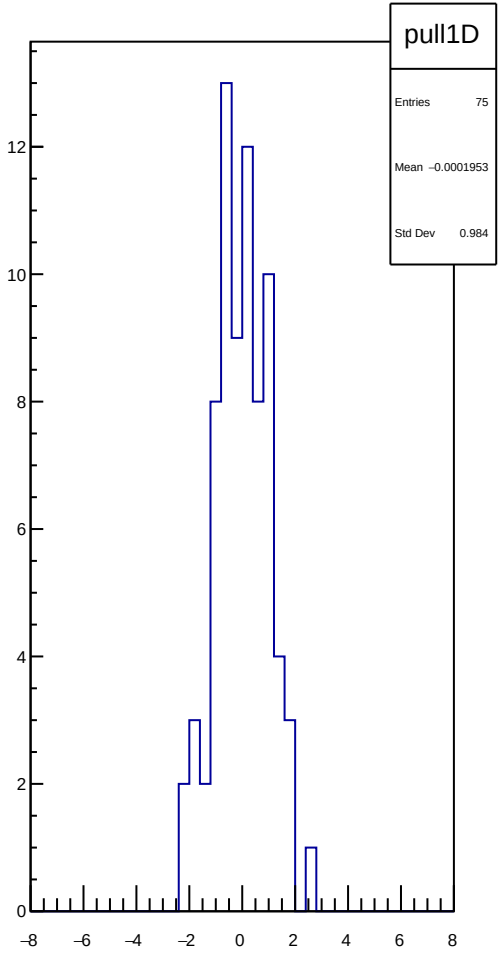

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 4492 / 74
p0 62.03 ± 0.05106
80
75
70
65
60
55

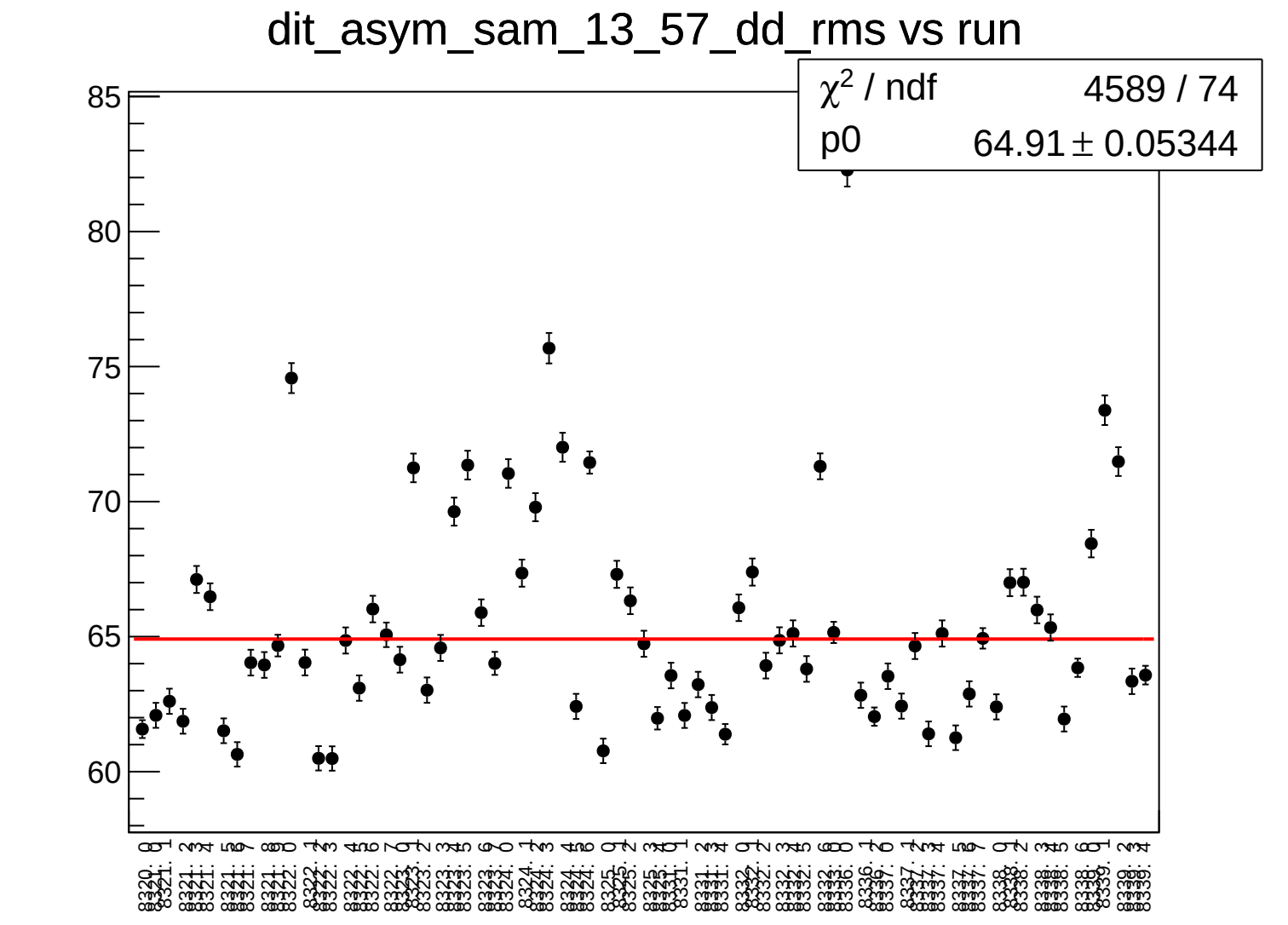

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 70.85 / 74
p0 −685.3 ± 614.5
pull
Entries 75
Mean −62.32
Std Dev 0

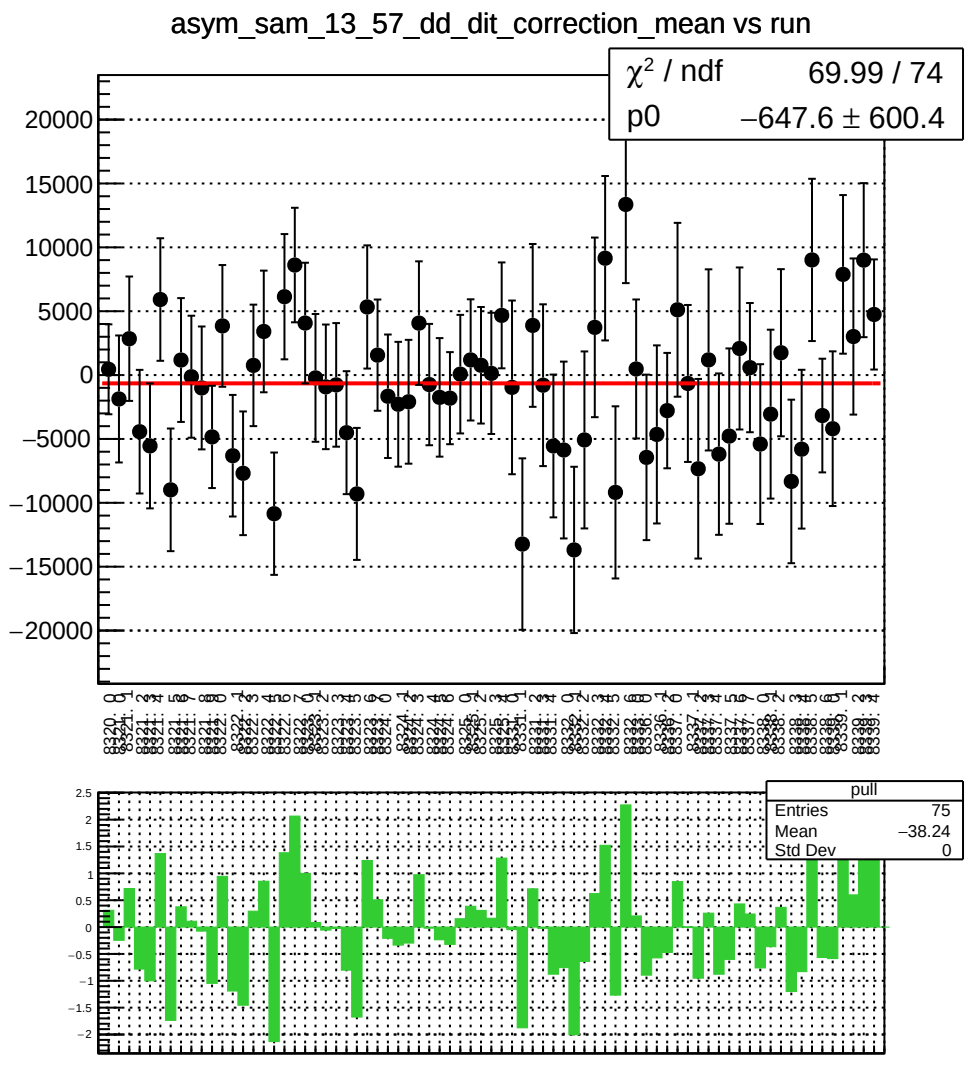

pull1D
Entries 75
Mean −0.01546
Std Dev 0.9718

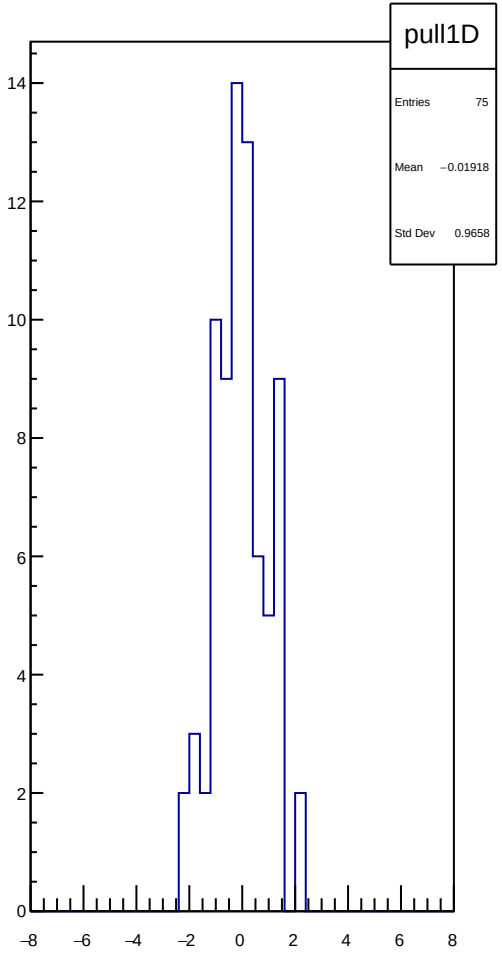

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.858e+04 / 74
p0 523.5 ± 0.4345
700
650
600
550
500
450

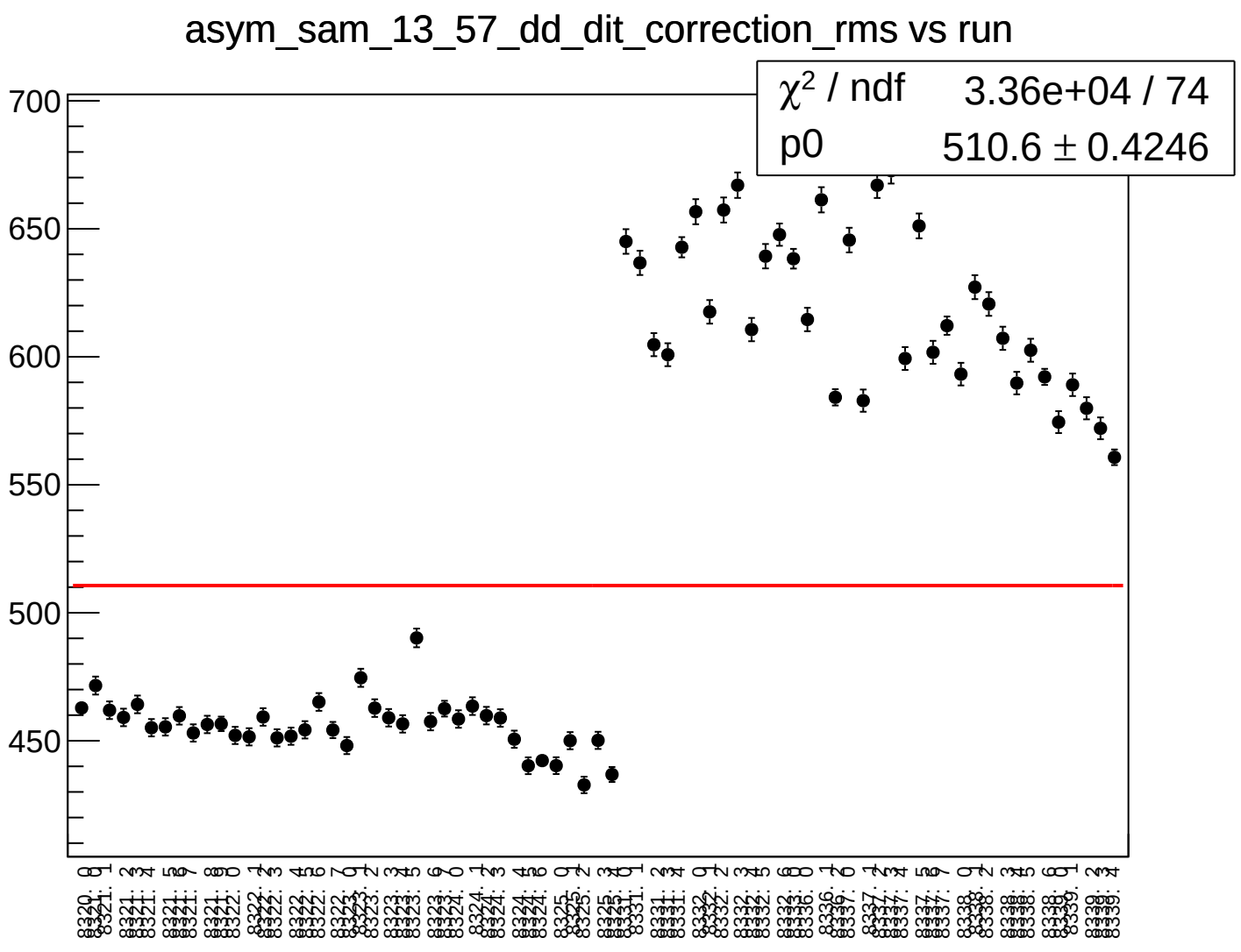

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 72.62 / 74
p0 −13.04 ± 75.57
2000
1000
0
−1000
−2000
pull
Entries 75
Mean 3.375e+04
Std Dev 0
2
1
0
−1
−2

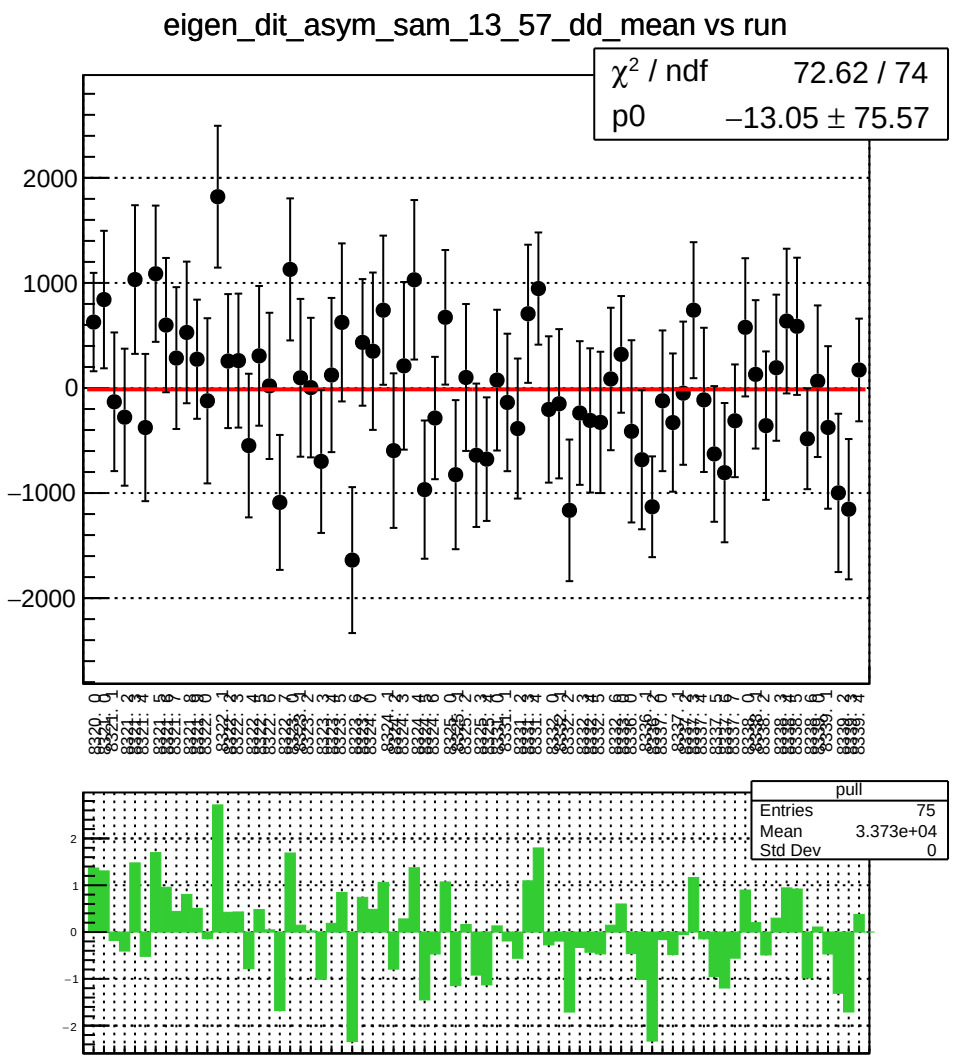

pull1D
Entries 75
Mean −0.0001953
Std Dev 0.984
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

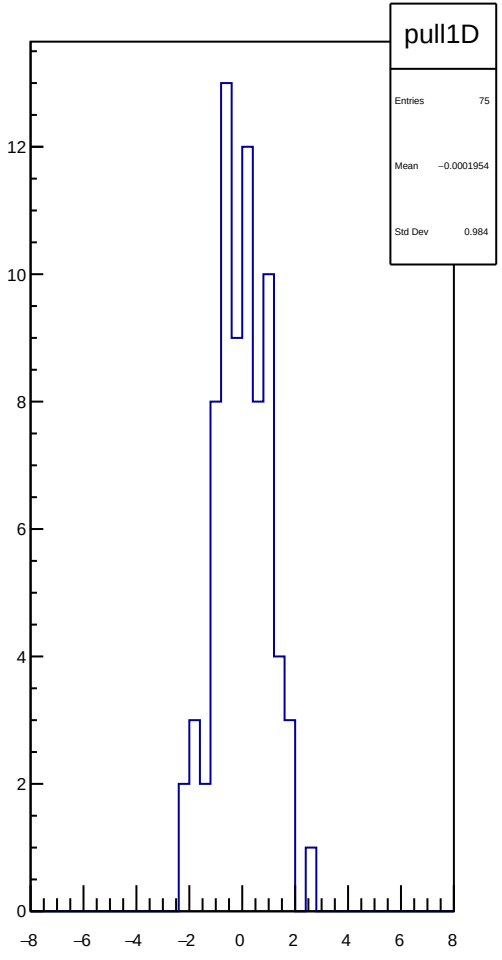

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4589 / 74
p0 64.91 ± 0.05344
85
80
75
70
65
60

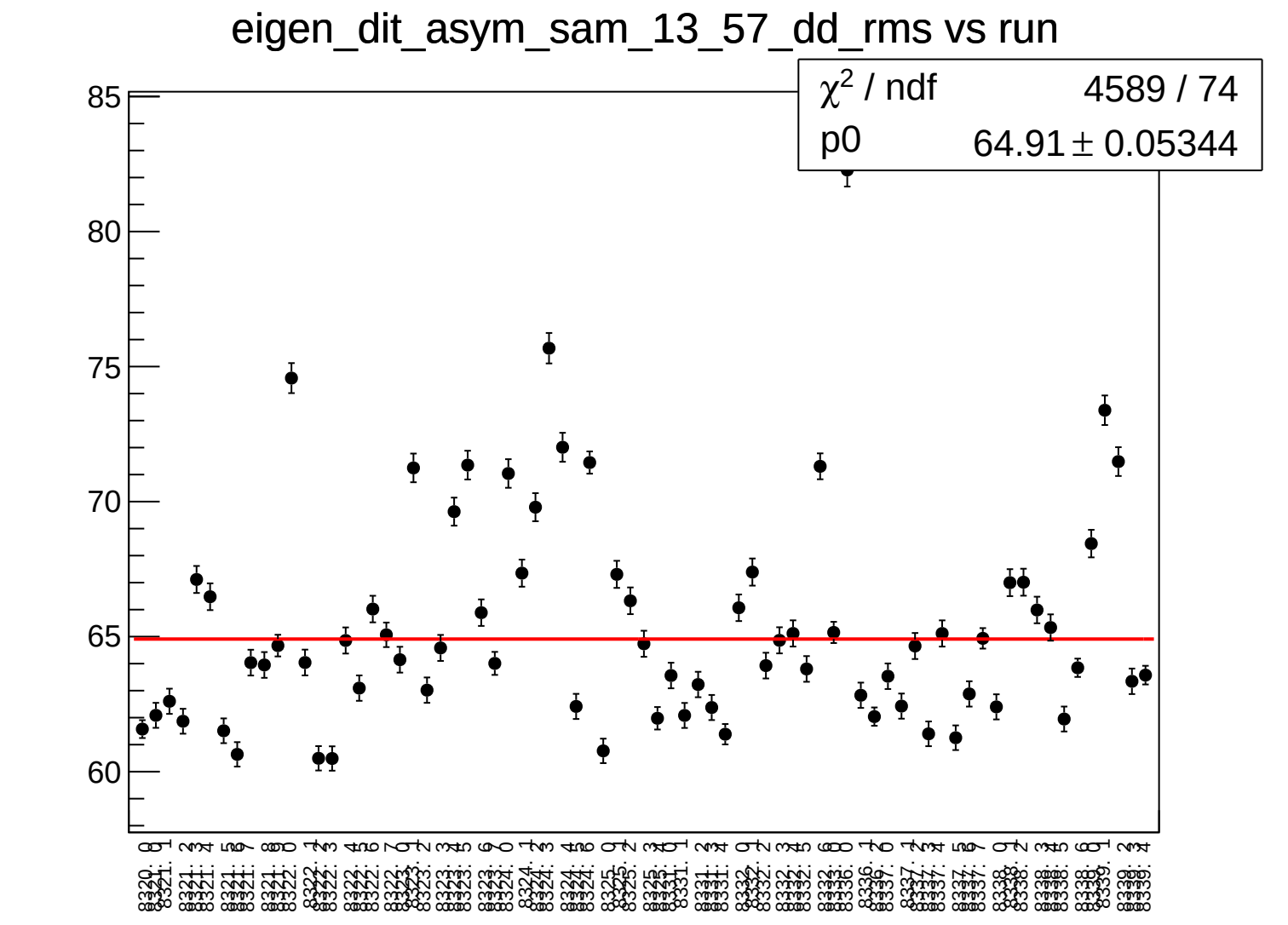

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 69.99 / 74
p0 −647.6 ± 600.4
pull
Entries 75
Mean −38.24
Std Dev 0

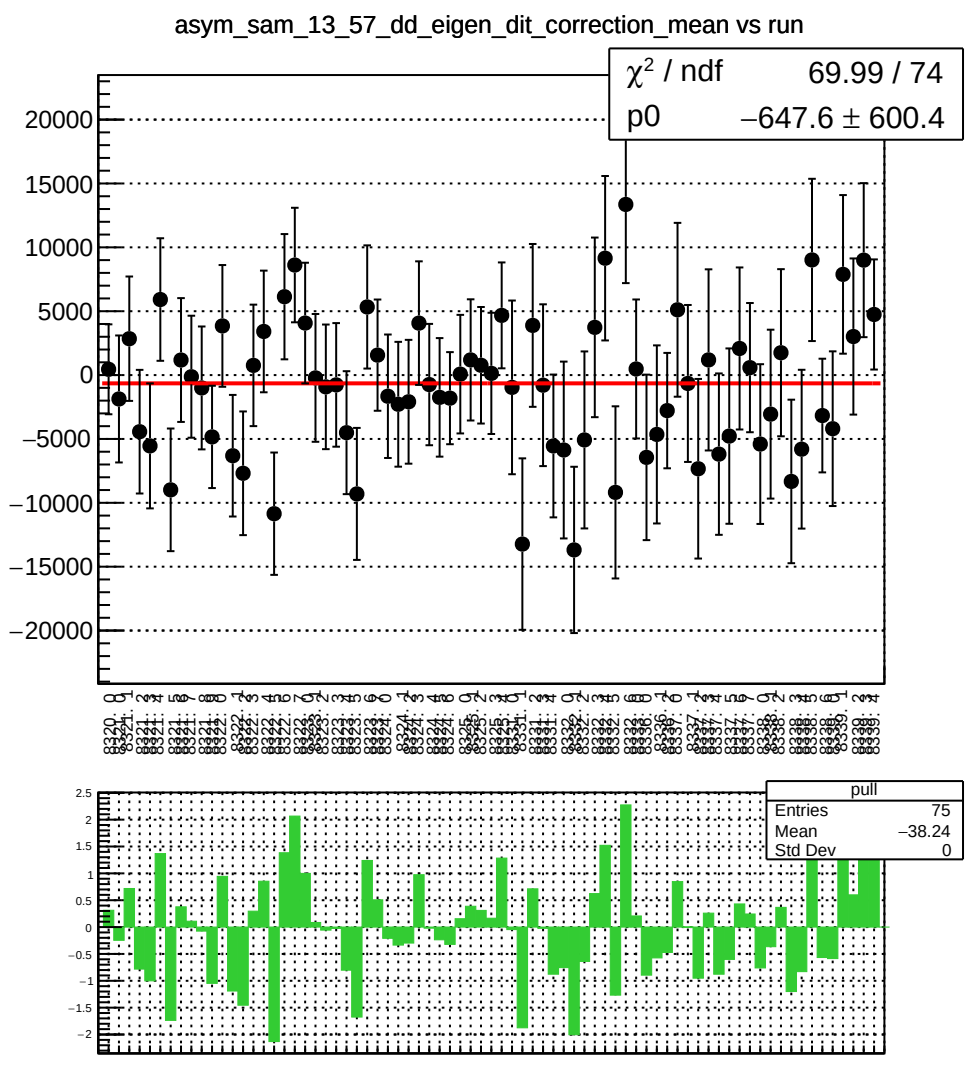

pull1D
Entries 75
Mean −0.01918
Std Dev 0.9658

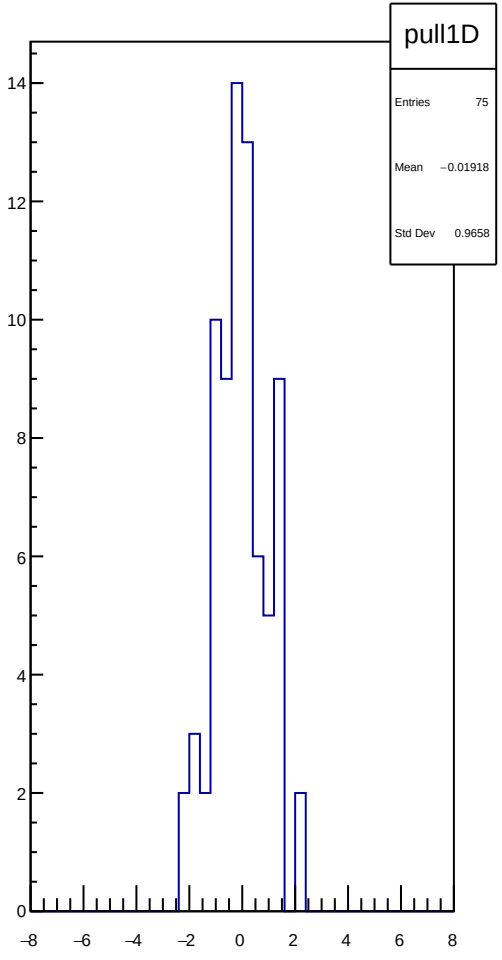

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 3.36e+04 / 74
p0 510.6 ± 0.4246
700
650
600
550
500
450

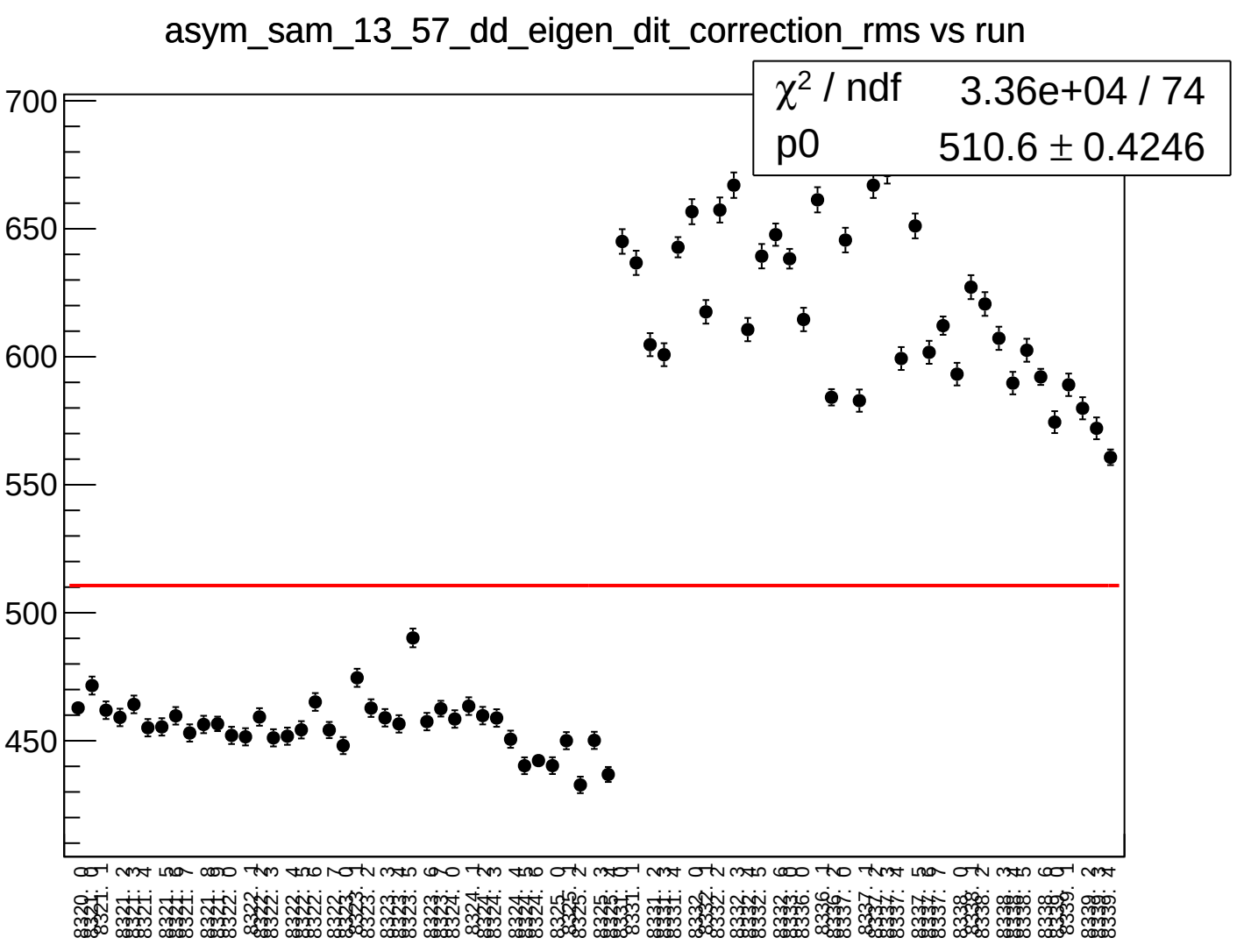

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 72.62 / 74
p0 −13.05 ± 75.57
2000
1000
0
−1000
−2000
pull
Entries 75
Mean 3.373e+04
Std Dev 0
2
1
0
−1
−2

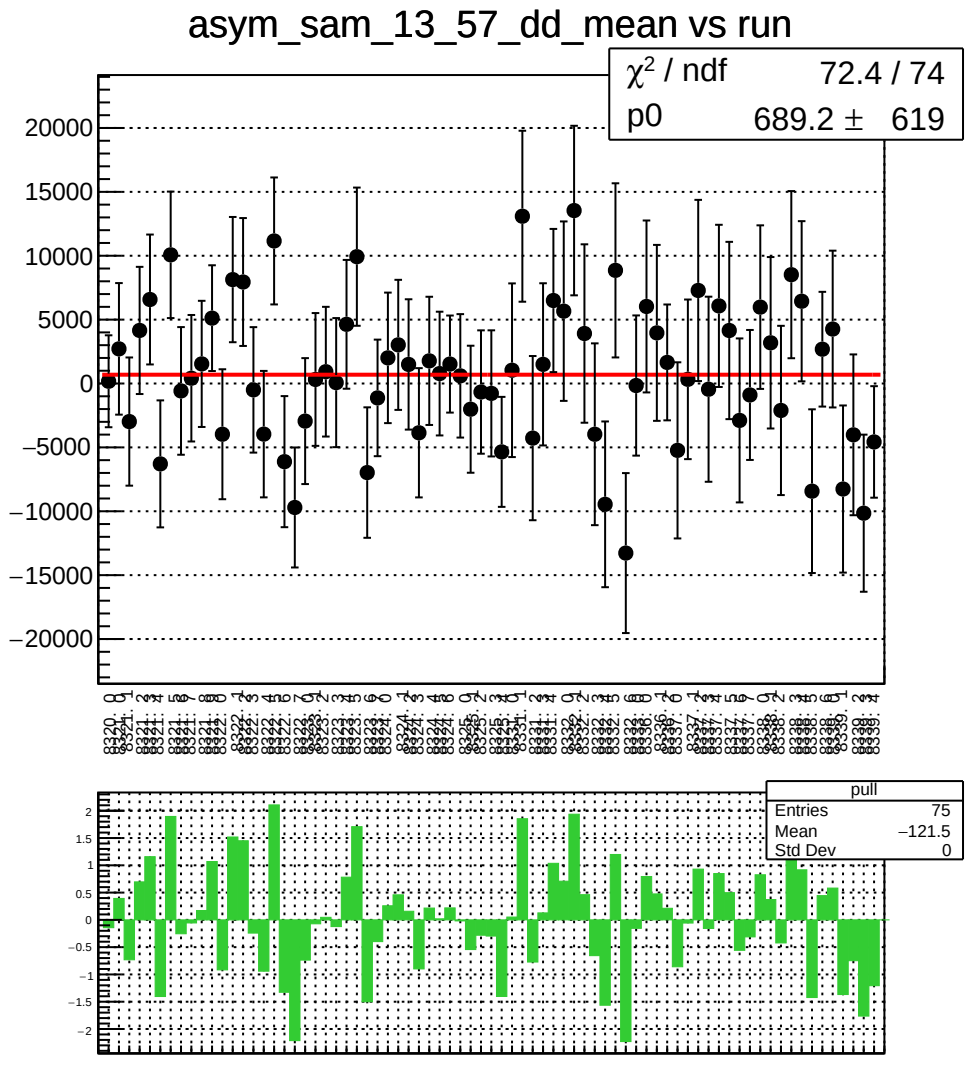

pull1D
Entries 75
Mean −0.0001954
Std Dev 0.984
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

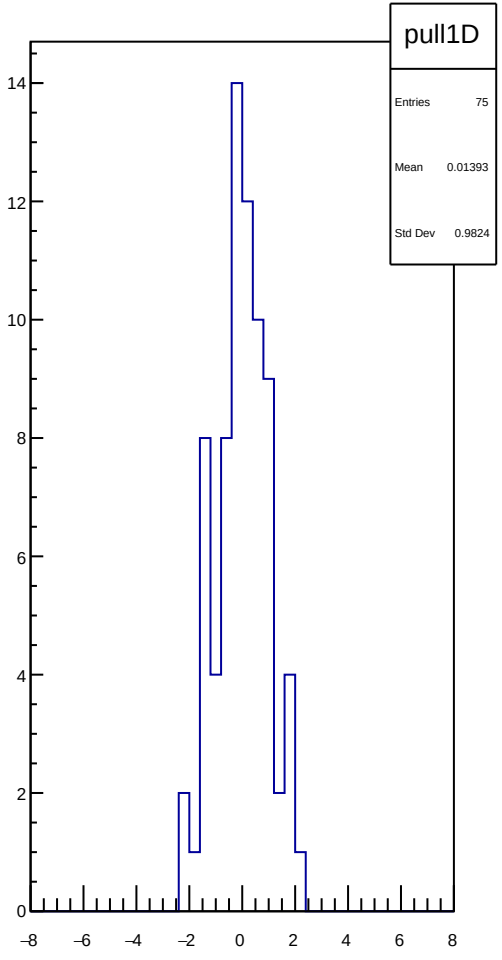

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4589 / 74
p0 64.91 ± 0.05344
85
80
75
70
65
60

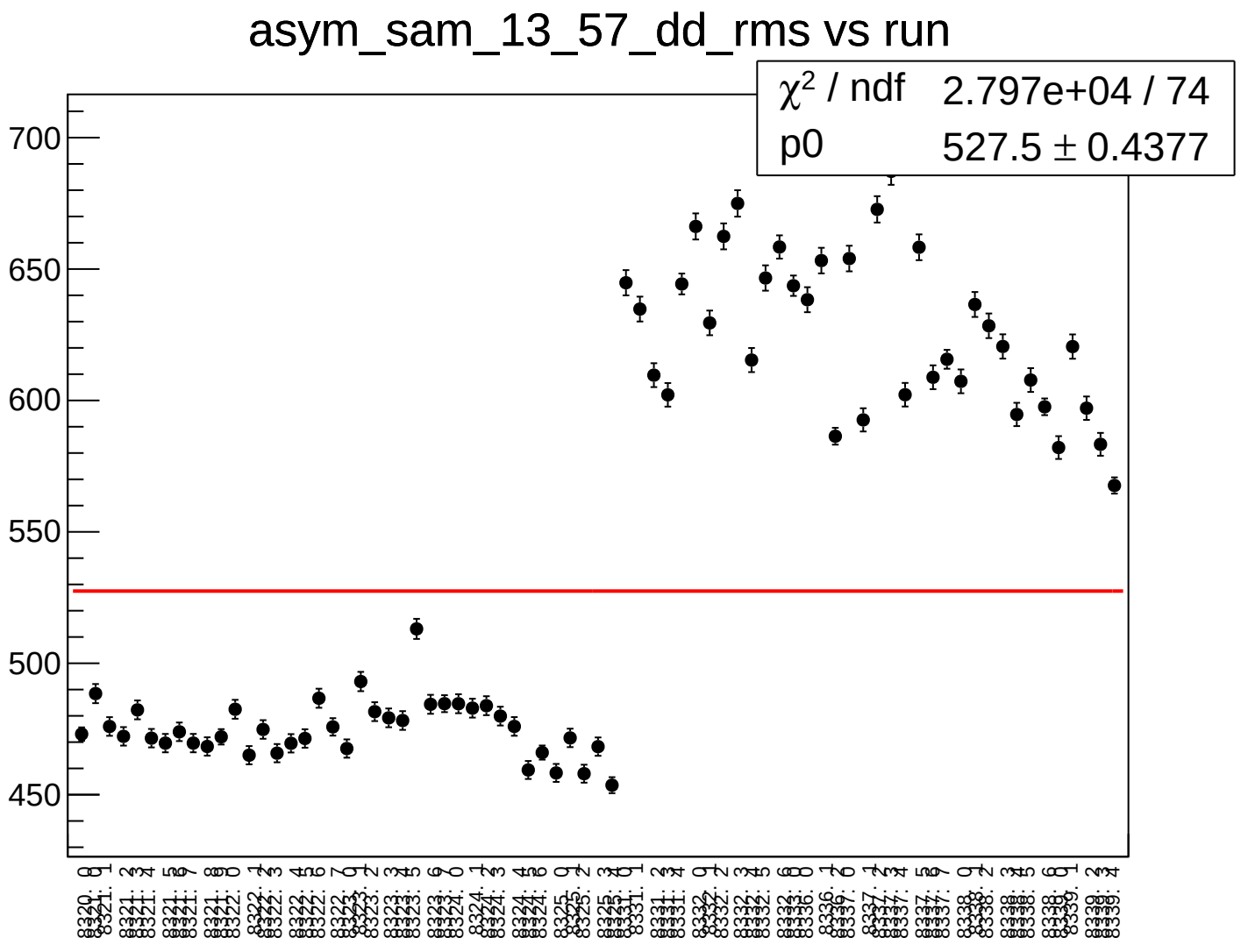

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 69.99 / 74
p0 −647.6 ± 600.4
pull
Entries 75
Mean −38.24
Std Dev 0

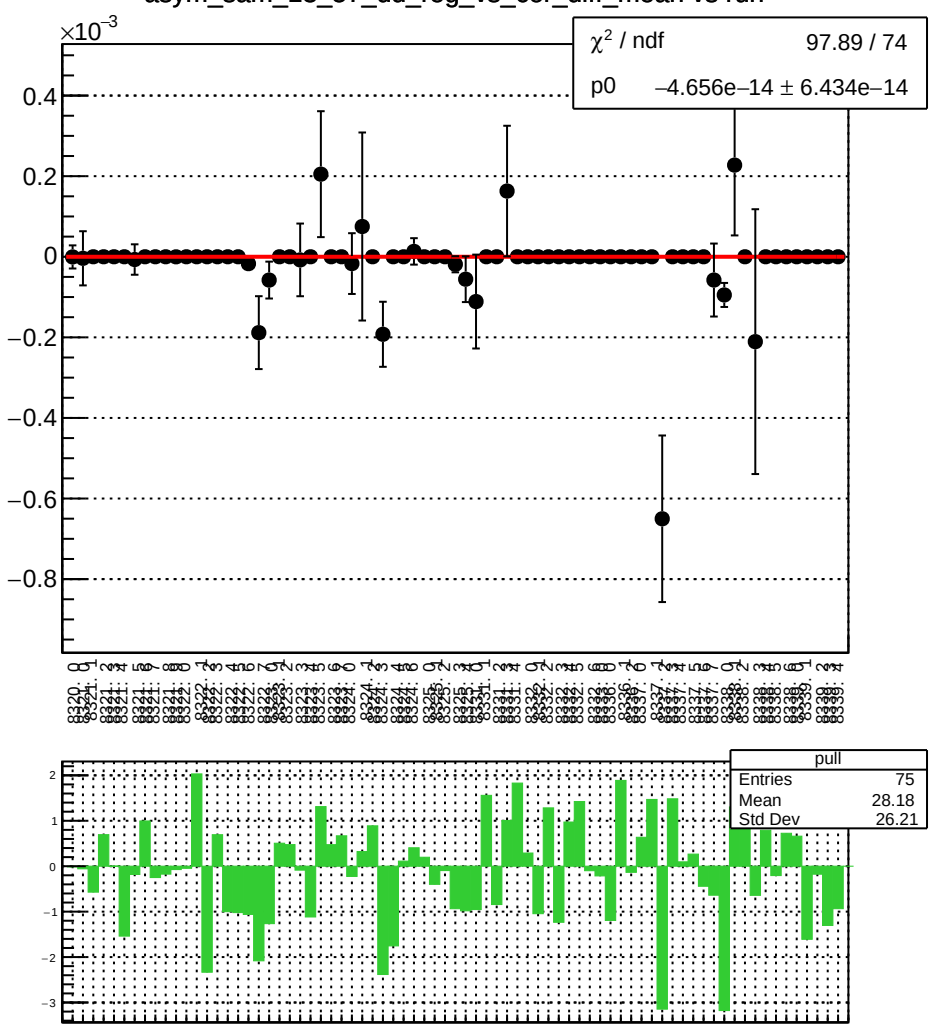

pull1D
Entries 75
Mean −0.01918
Std Dev 0.9658

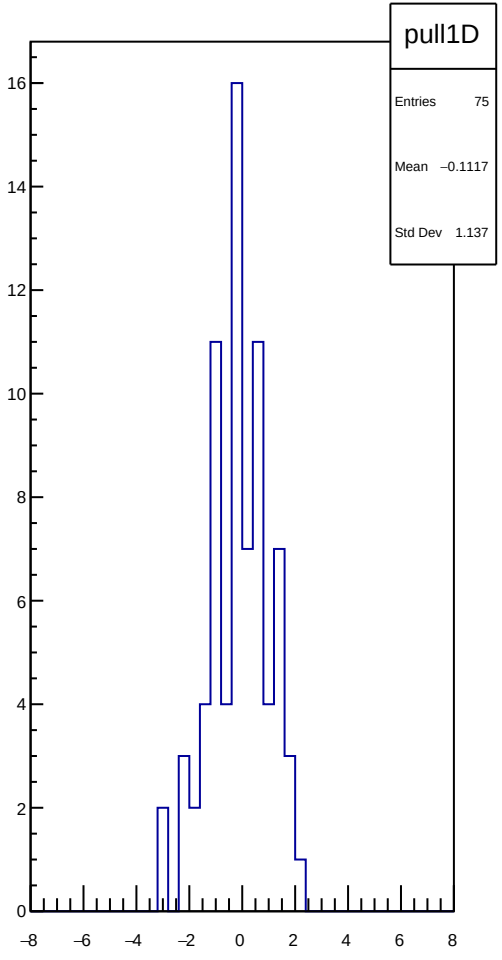

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 3.36e+04 / 74
p0 510.6 ± 0.4246
700
650
600
550
500
450

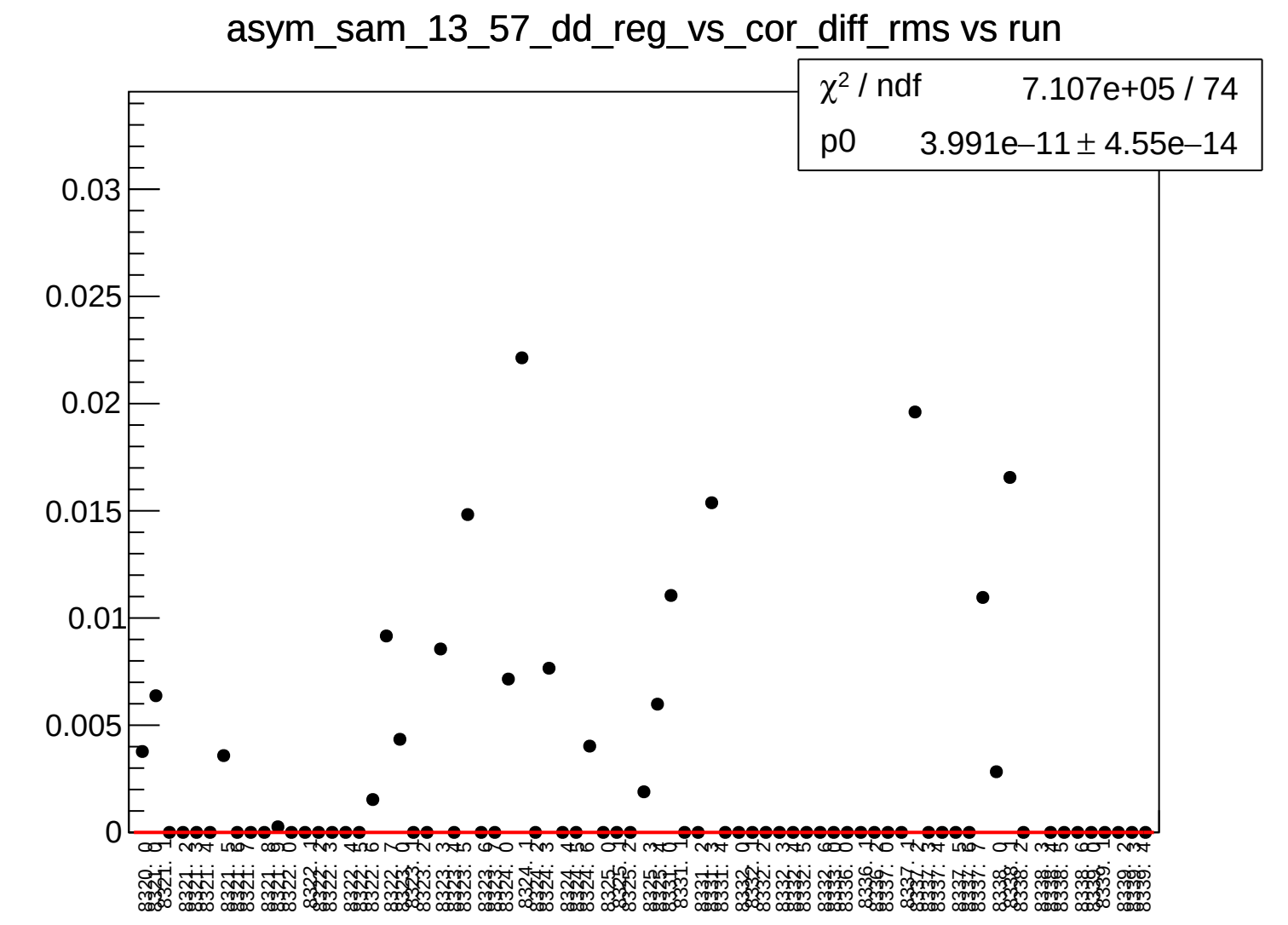

asym_sam_13_57_dd_mean vs run
χ² / ndf 72.4 / 74
p0 689.2 ± 619
pull
Entries 75
Mean −121.5
Std Dev 0

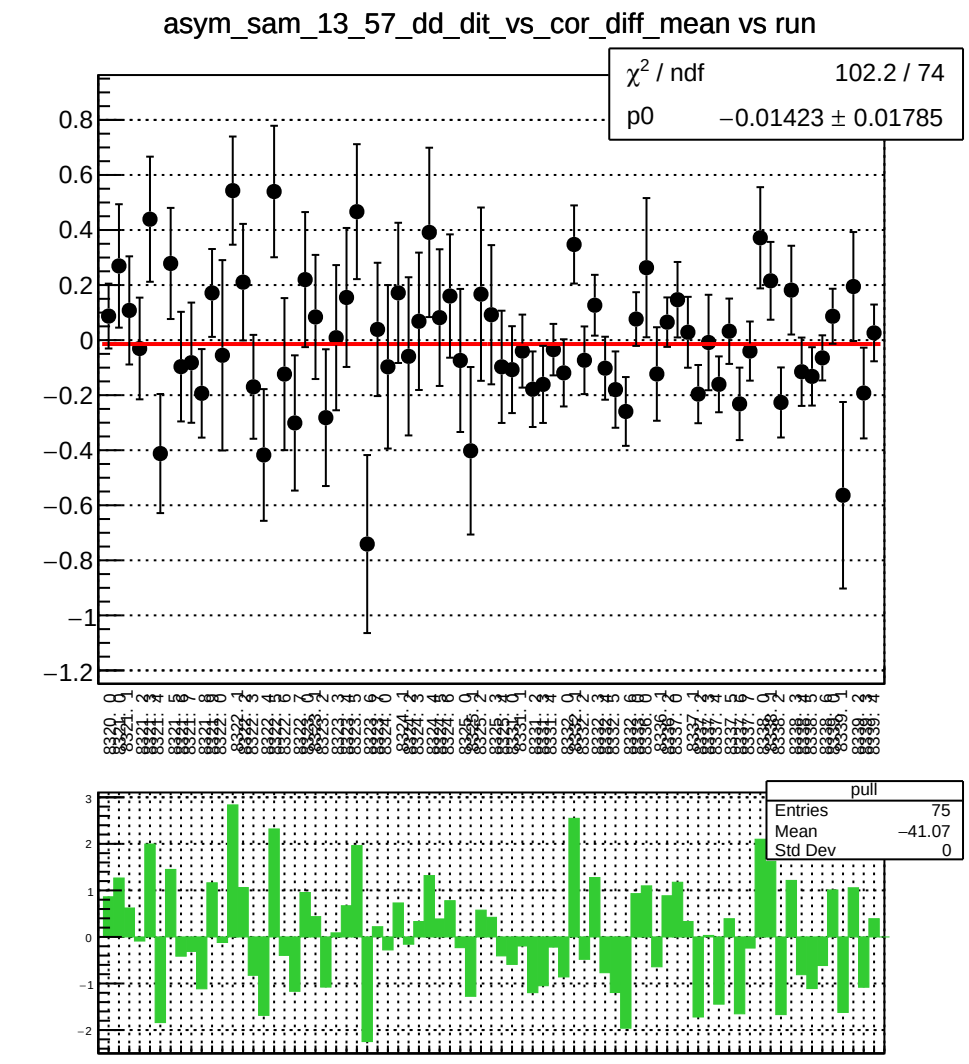

pull1D
Entries 75
Mean 0.01393
Std Dev 0.9824

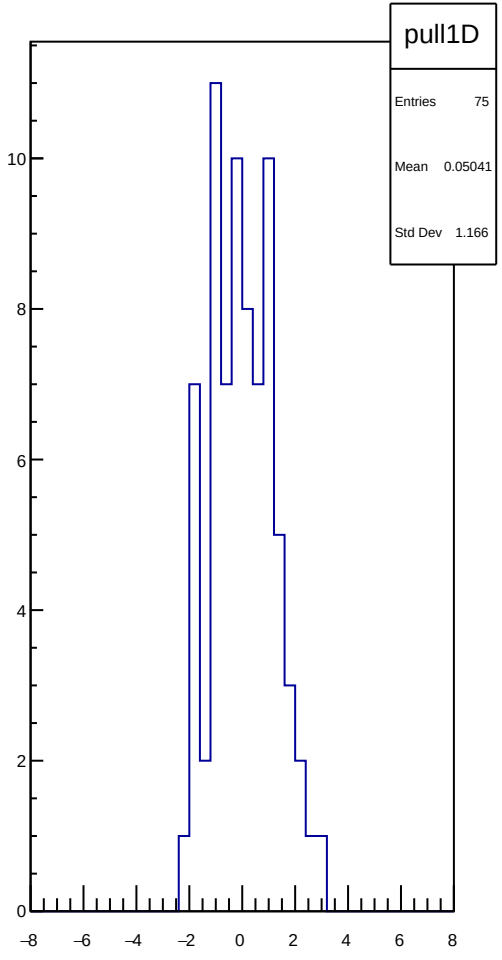

asym_sam_13_57_dd_rms vs run
χ² / ndf 2.797e+04 / 74
p0 527.5 ± 0.4377
700
650
600
550
500
450

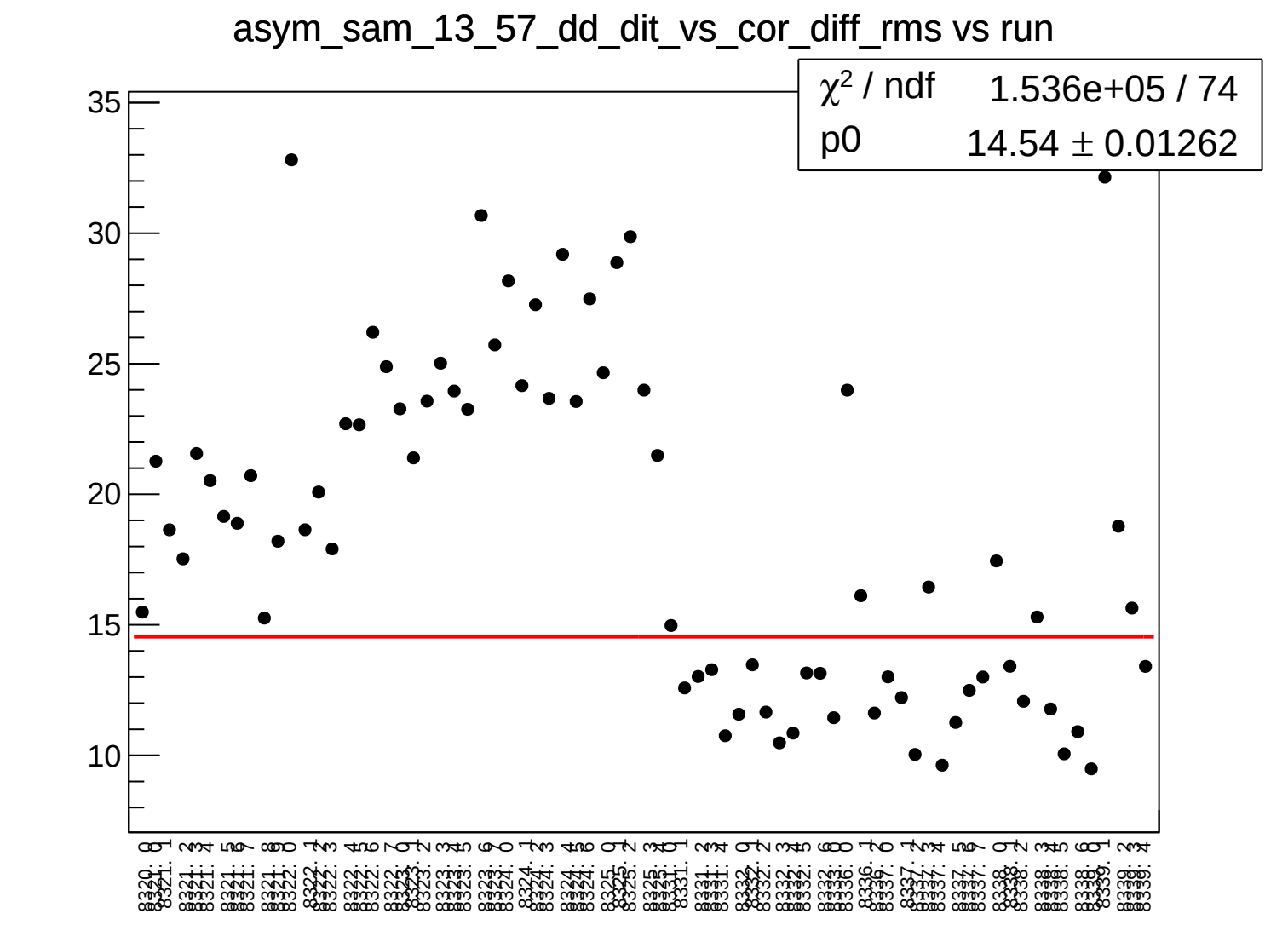

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 97.89 / 74
p0 −4.656e−14 ± 6.434e−14
pull
Entries 75
Mean 28.18
Std Dev 26.21

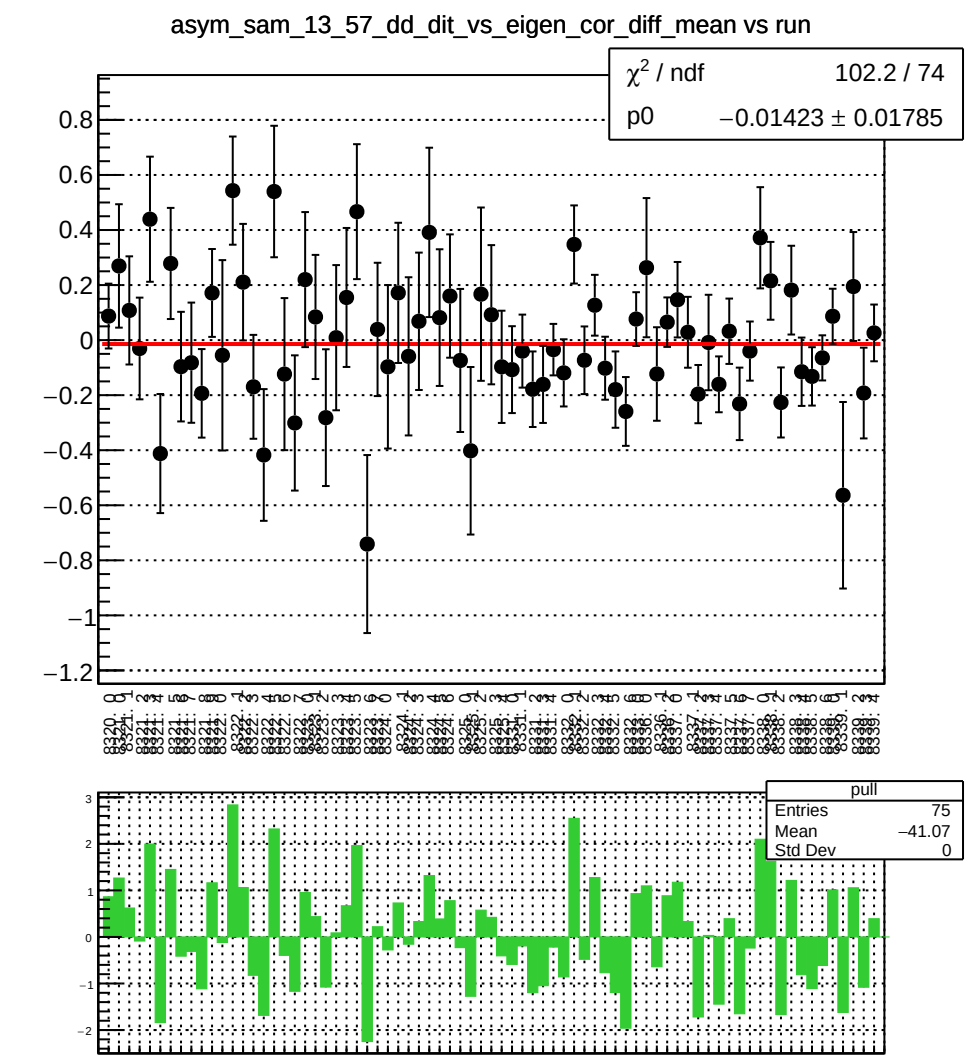

pull1D
Entries 75
Mean −0.1117
Std Dev 1.137

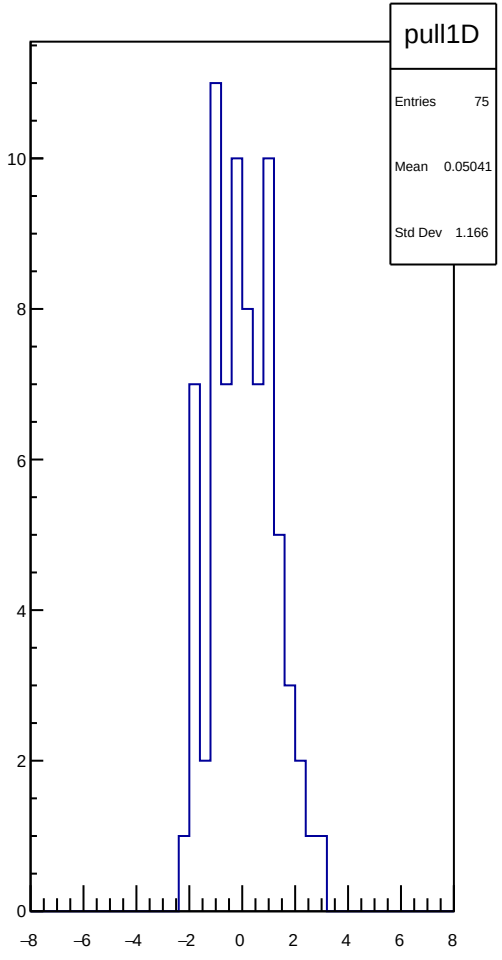

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.107e+05 / 74
p0 3.991e−11 ± 4.55e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

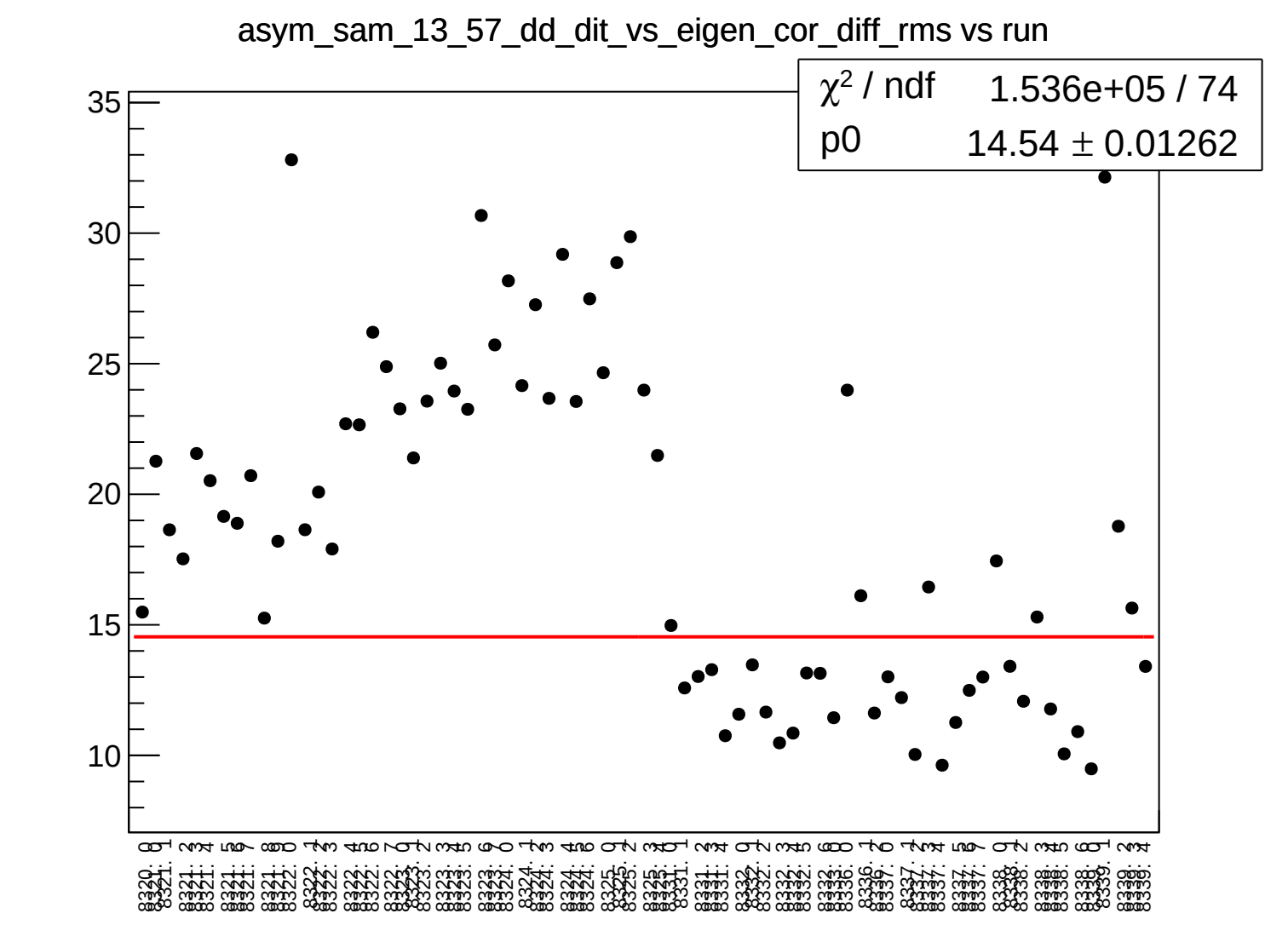

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 102.2 / 74
p0 −0.01423 ± 0.01785
pull
Entries 75
Mean −41.07
Std Dev 0

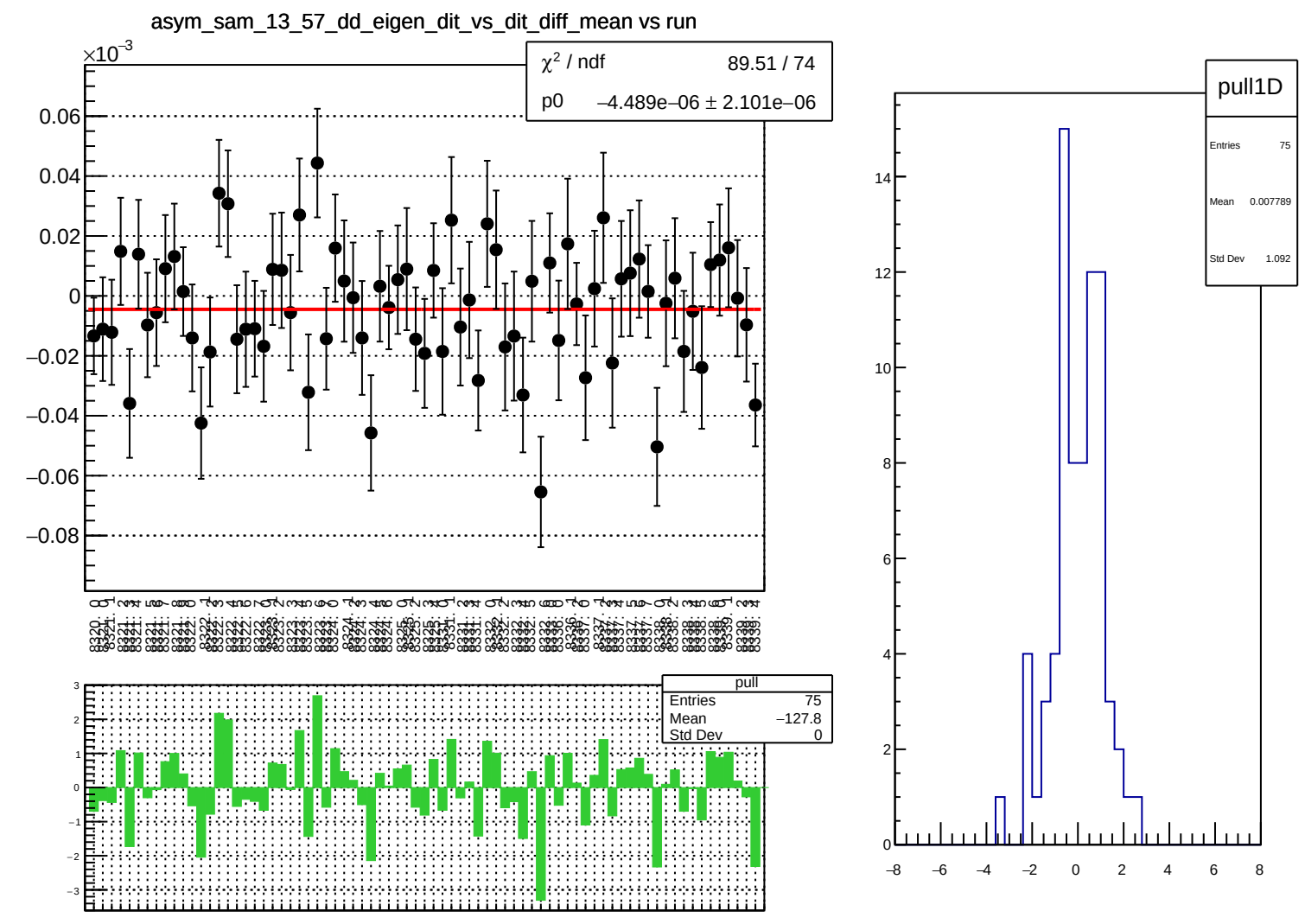

pull1D
Entries 75
Mean 0.05041
Std Dev 1.166

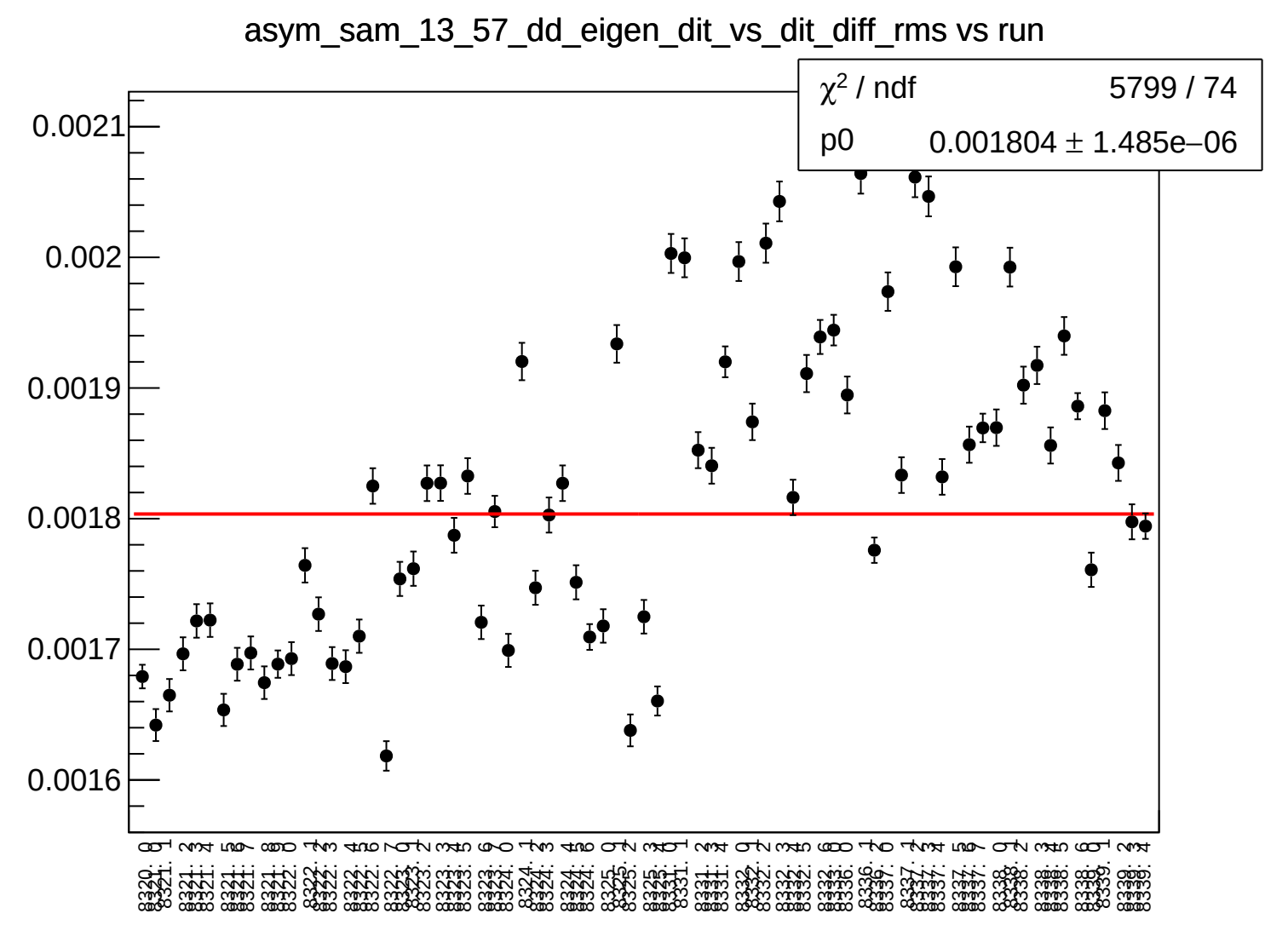

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.536e+05 / 74
p0 14.54 ± 0.01262
35
30
25
20
15
10

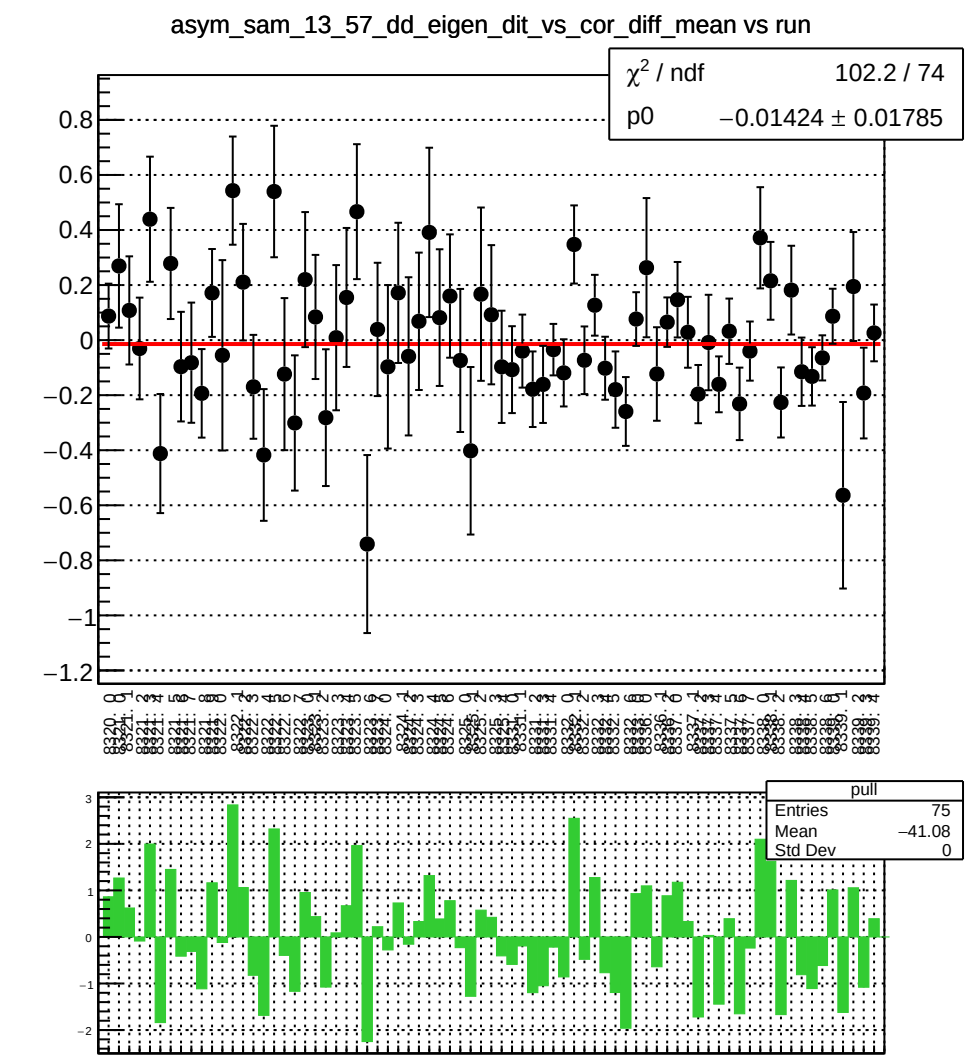

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.2 / 74
p0 −0.01423 ± 0.01785
pull
Entries 75
Mean −41.07
Std Dev 0

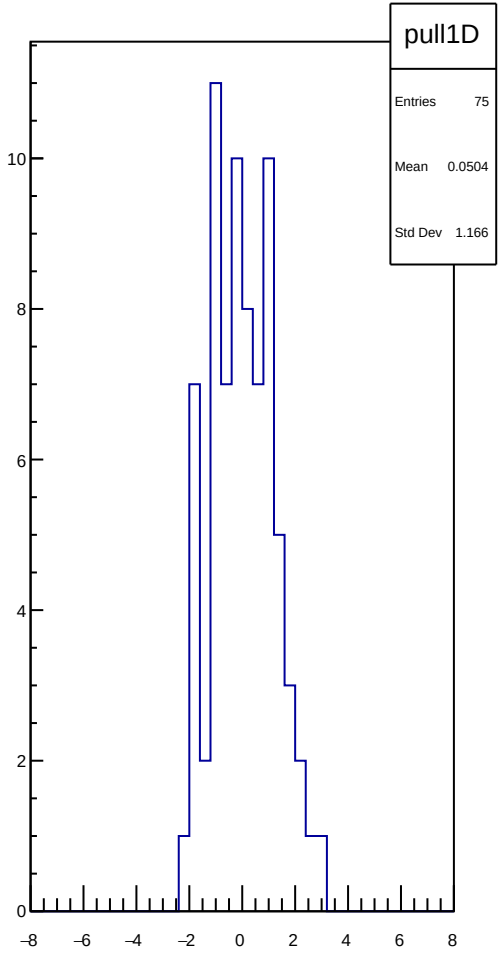

pull1D
Entries 75
Mean 0.05041
Std Dev 1.166

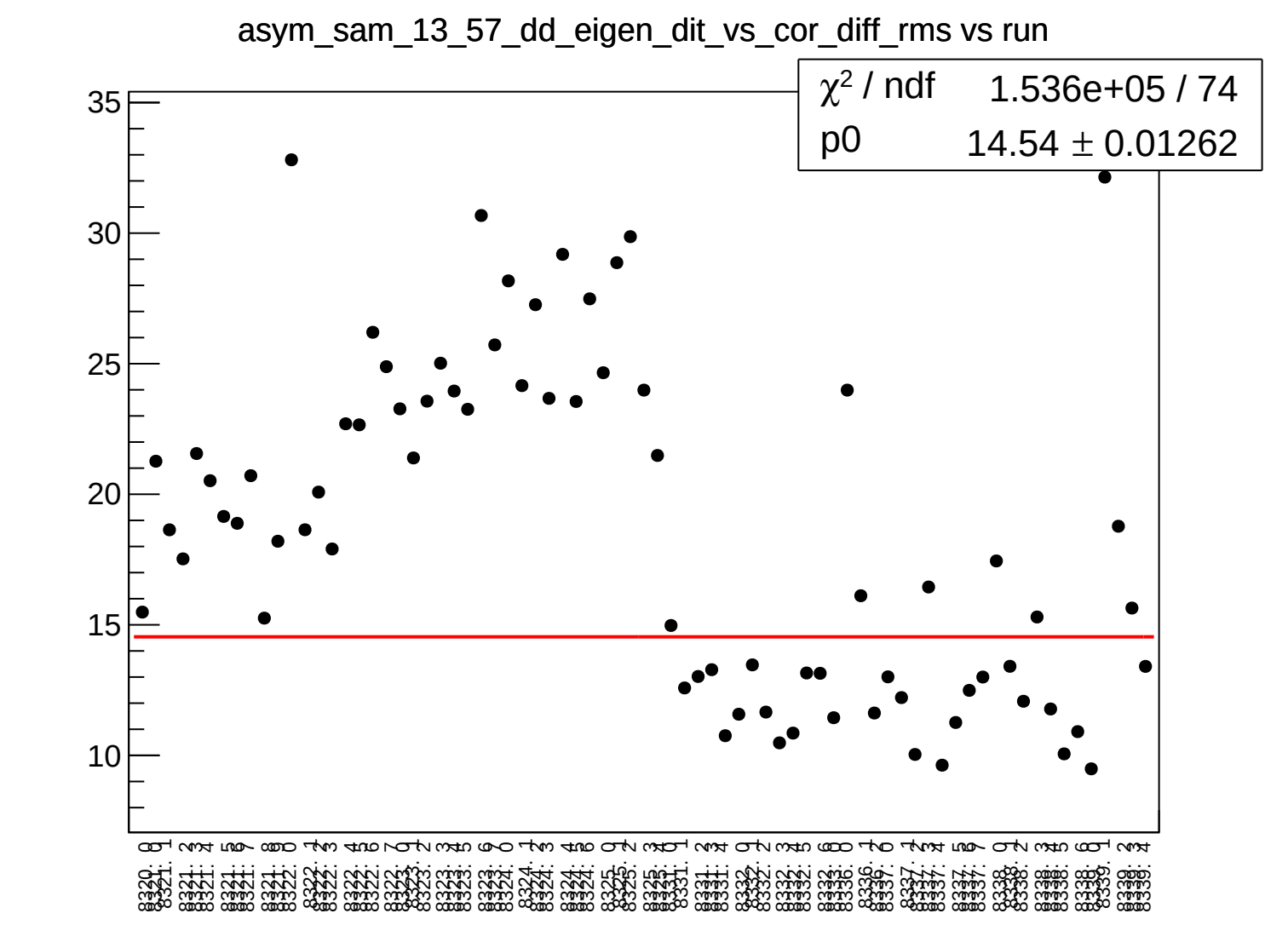

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.536e+05 / 74
p0 14.54 ± 0.01262
35
30
25
20
15
10

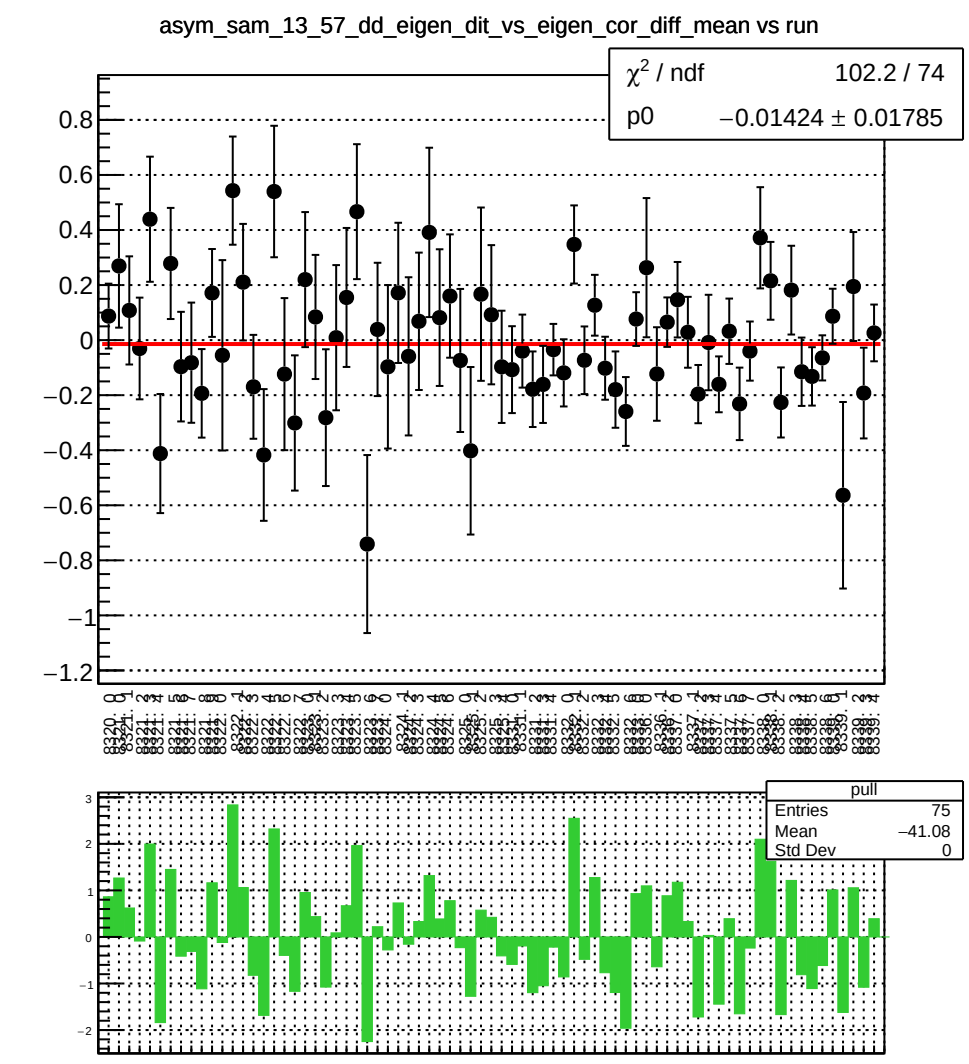

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 89.51 / 74
p0 −4.489e−06 ± 2.101e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 75
Mean −127.8
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 75
Mean 0.007789
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

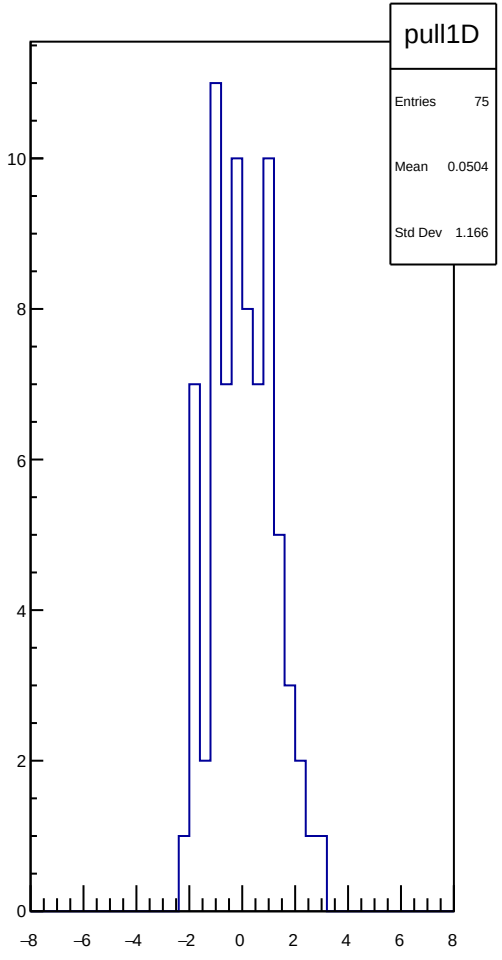

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5799 / 74
p0 0.001804 ± 1.485e−06
0.0021
0.002
0.0019
0.0018
0.0017
0.0016

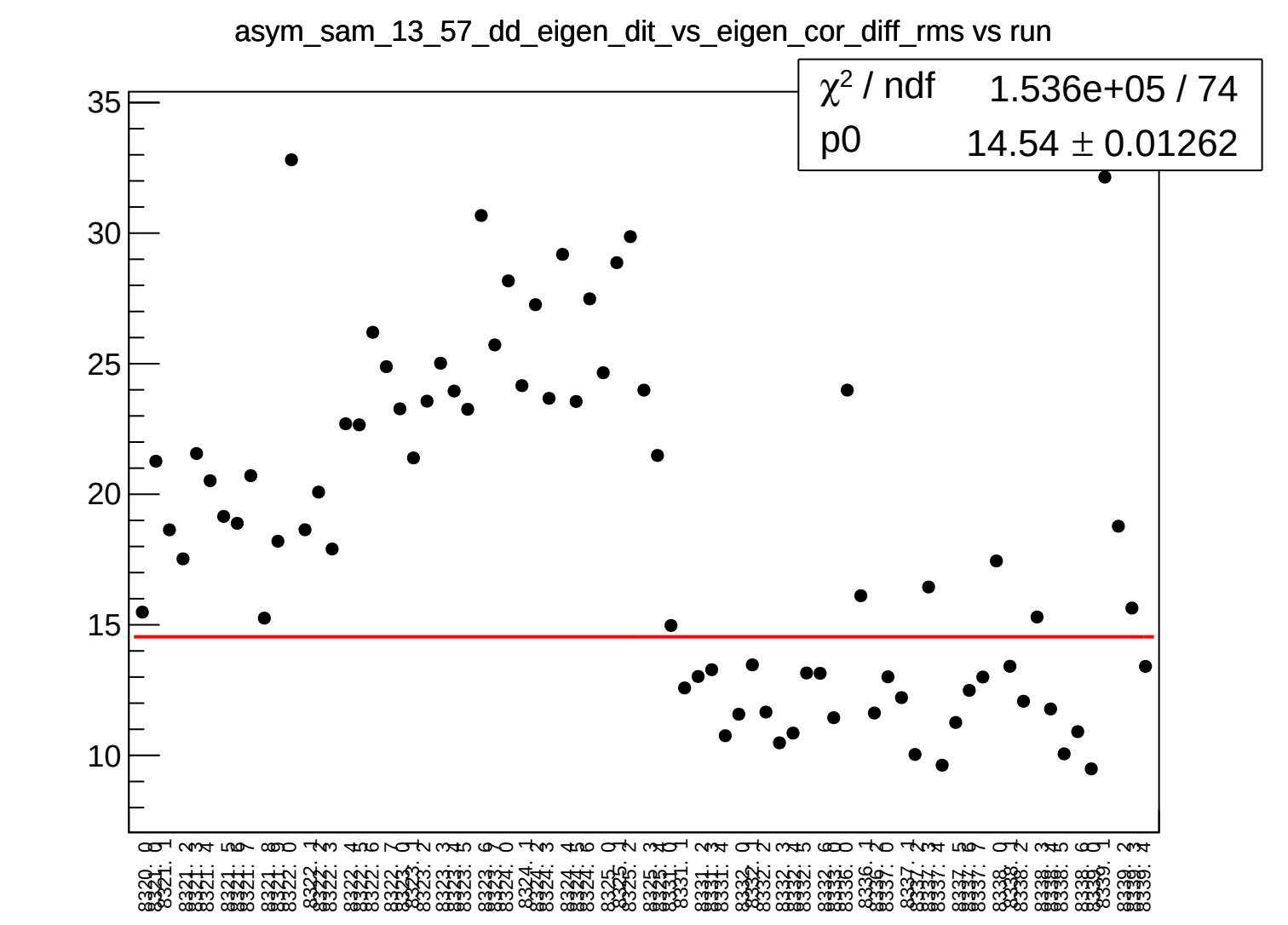

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 102.2 / 74
p0 −0.01424 ± 0.01785
pull
Entries 75
Mean −41.08
Std Dev 0

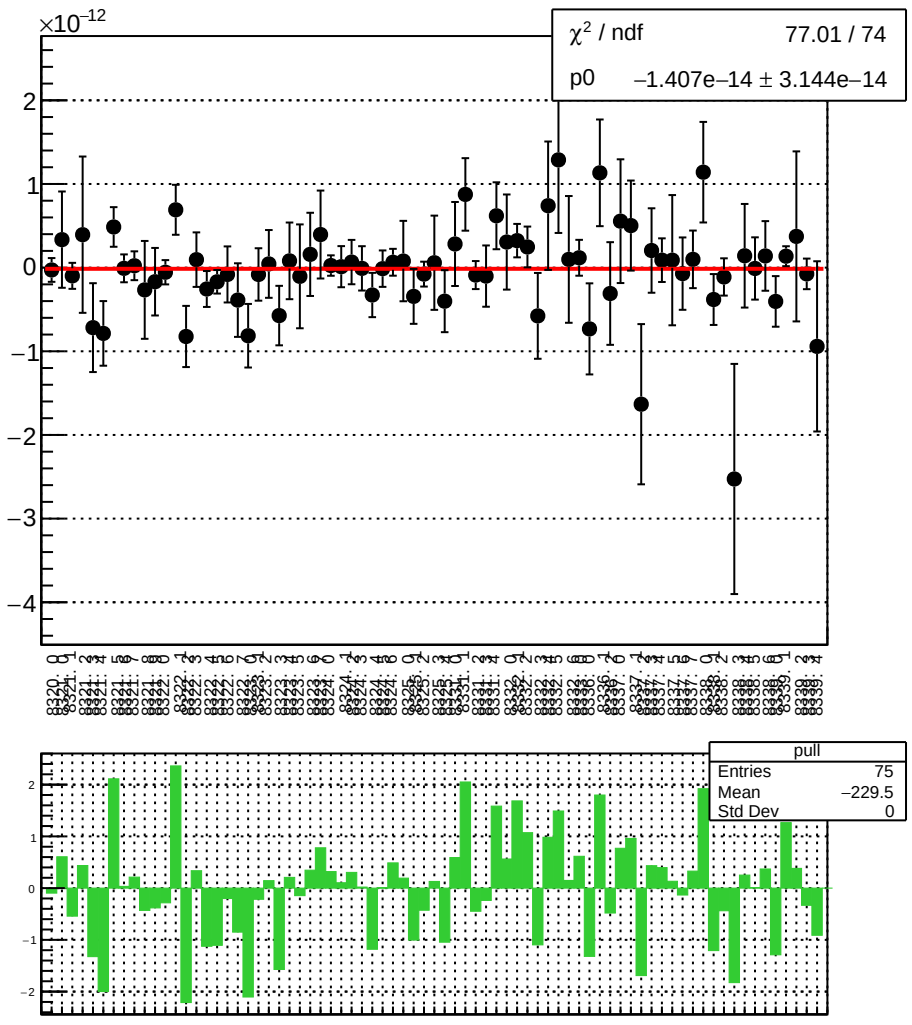

pull1D
Entries 75
Mean 0.0504
Std Dev 1.166

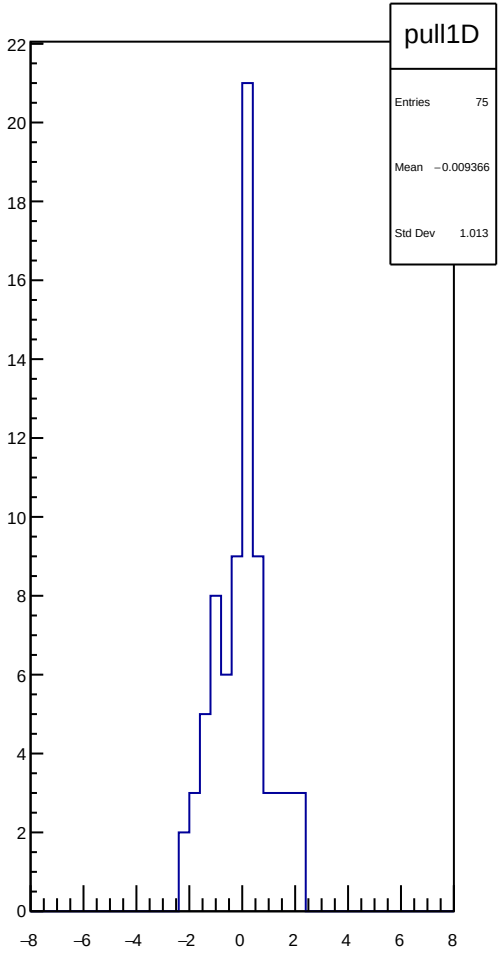

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.536e+05 / 74
p0 14.54 ± 0.01262
35
30
25
20
15
10

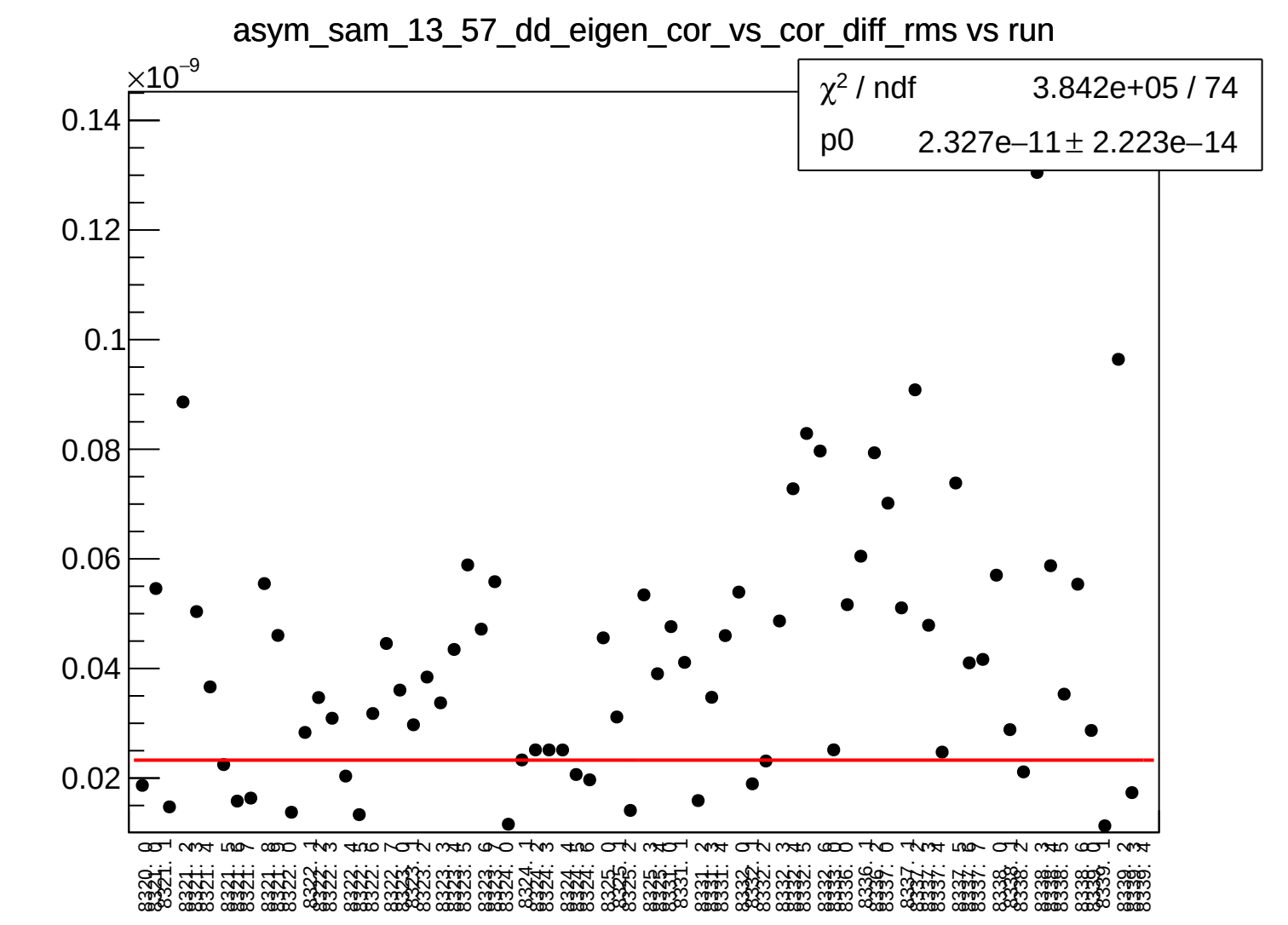

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 102.2 / 74
p0 −0.01424 ± 0.01785
pull
Entries 75
Mean −41.08
Std Dev 0

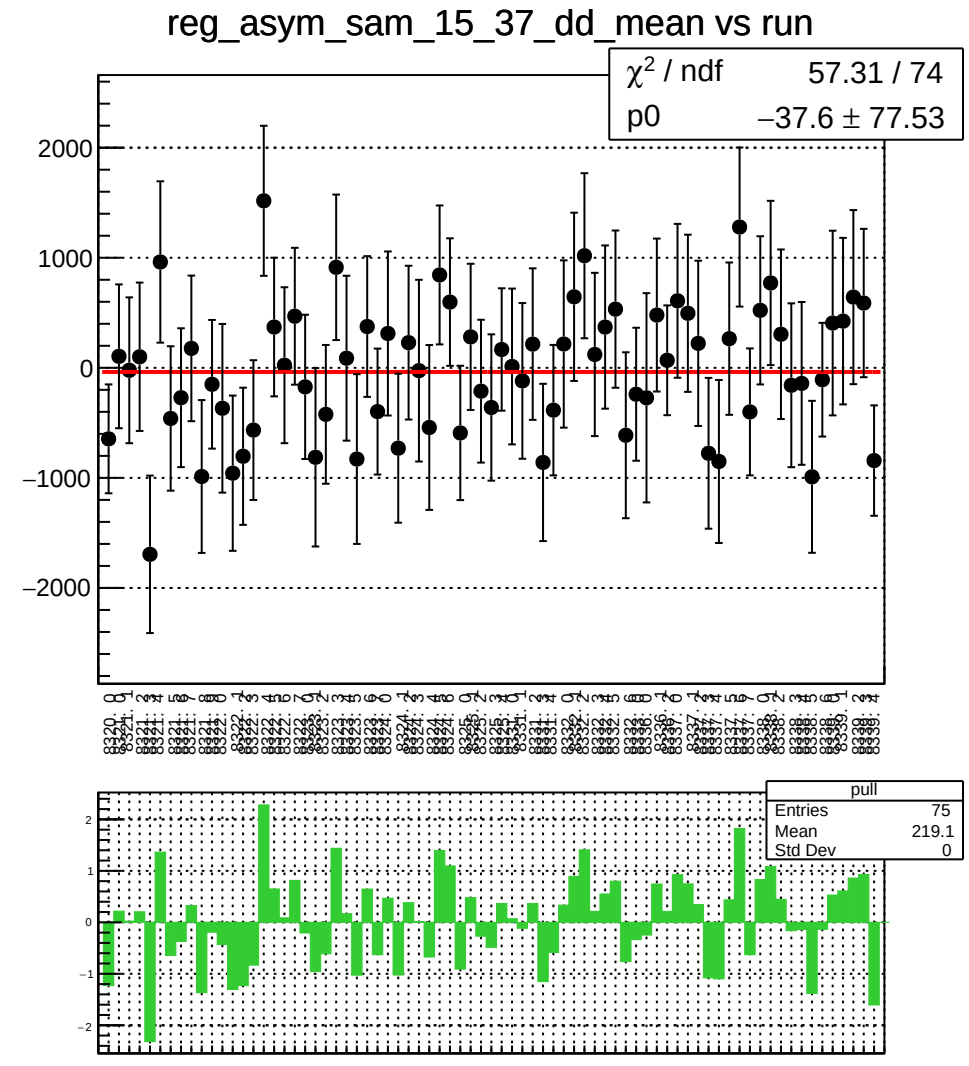

pull1D
Entries 75
Mean 0.0504
Std Dev 1.166

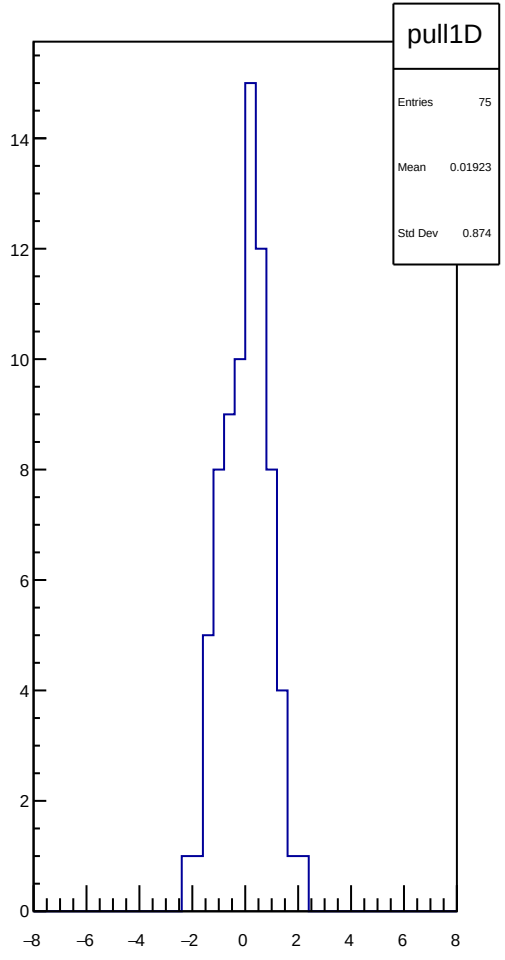

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.536e+05 / 74
p0 14.54 ± 0.01262
35
30
25
20
15
10

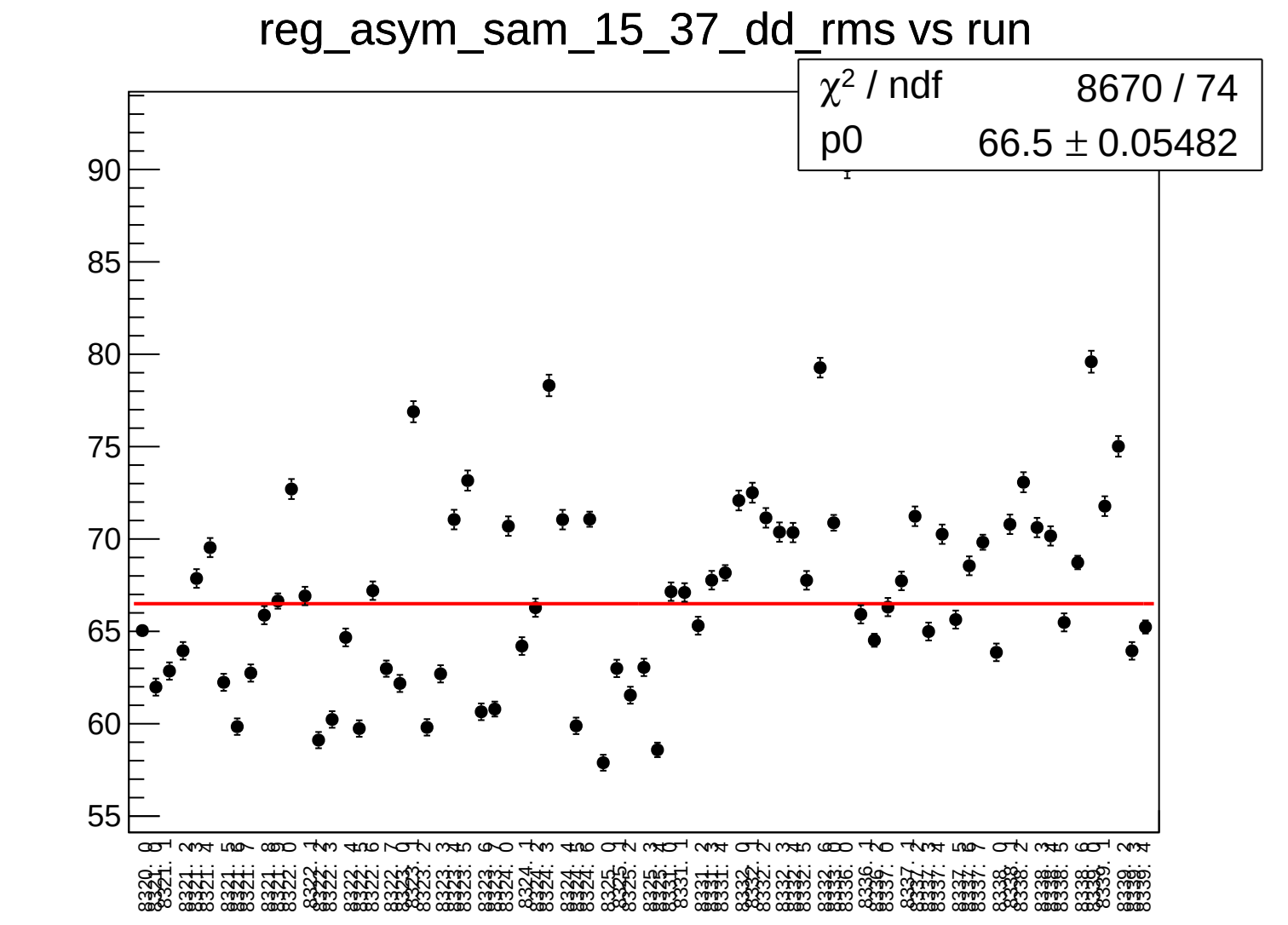

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 77.01 / 74
p0 −1.407e−14 ± 3.144e−14
pull
Entries 75
Mean −229.5
Std Dev 0

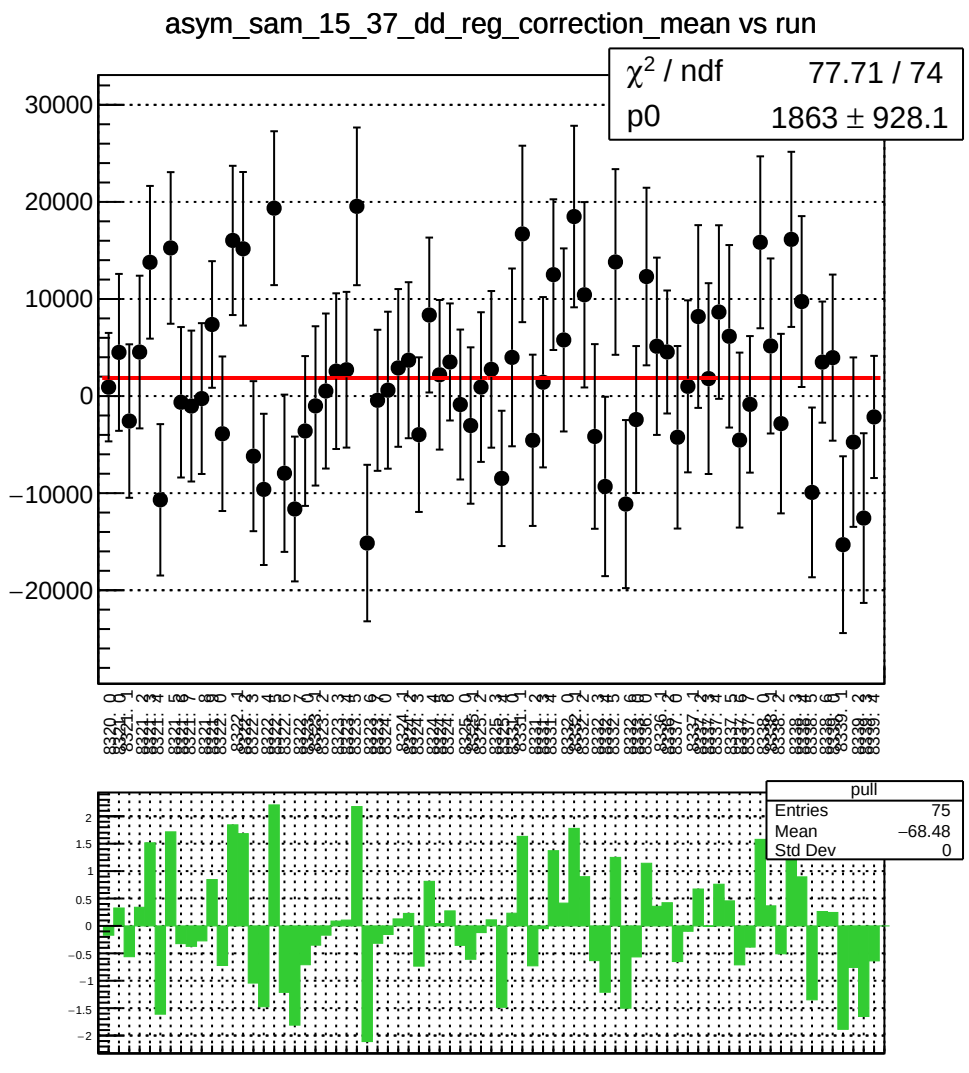

pull1D
Entries 75
Mean −0.009366
Std Dev 1.013

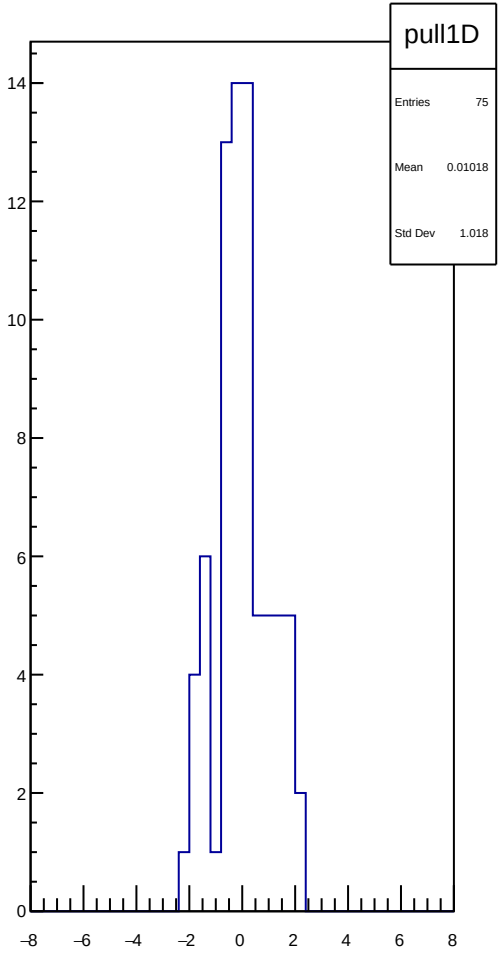

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.842e+05 / 74
p0 2.327e−11 ± 2.223e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02

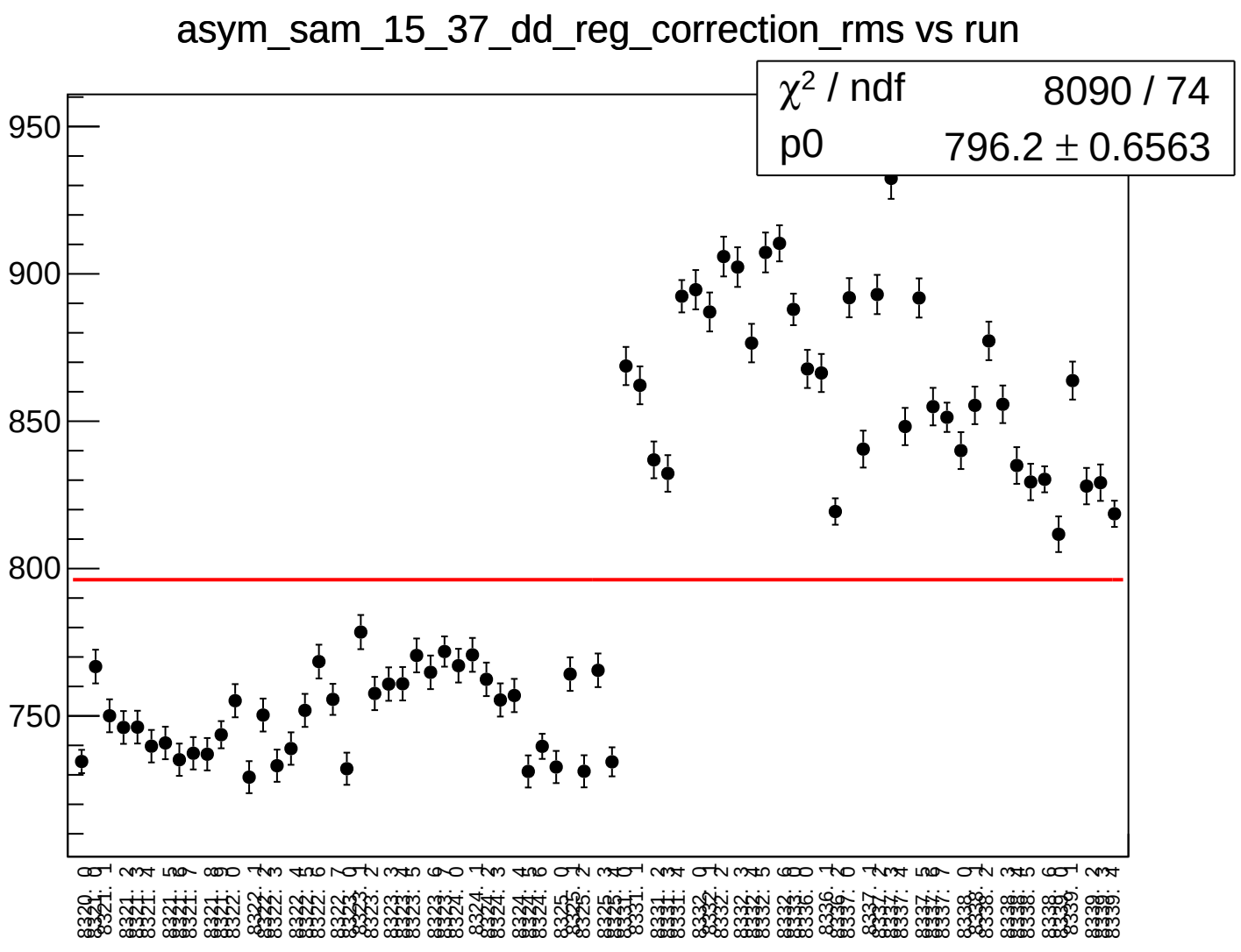

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 57.31 / 74
p0 −37.6 ± 77.53
2000
1000
0
−1000
−2000
pull
Entries 75
Mean 219.1
Std Dev 0
2
1
0
−1
−2

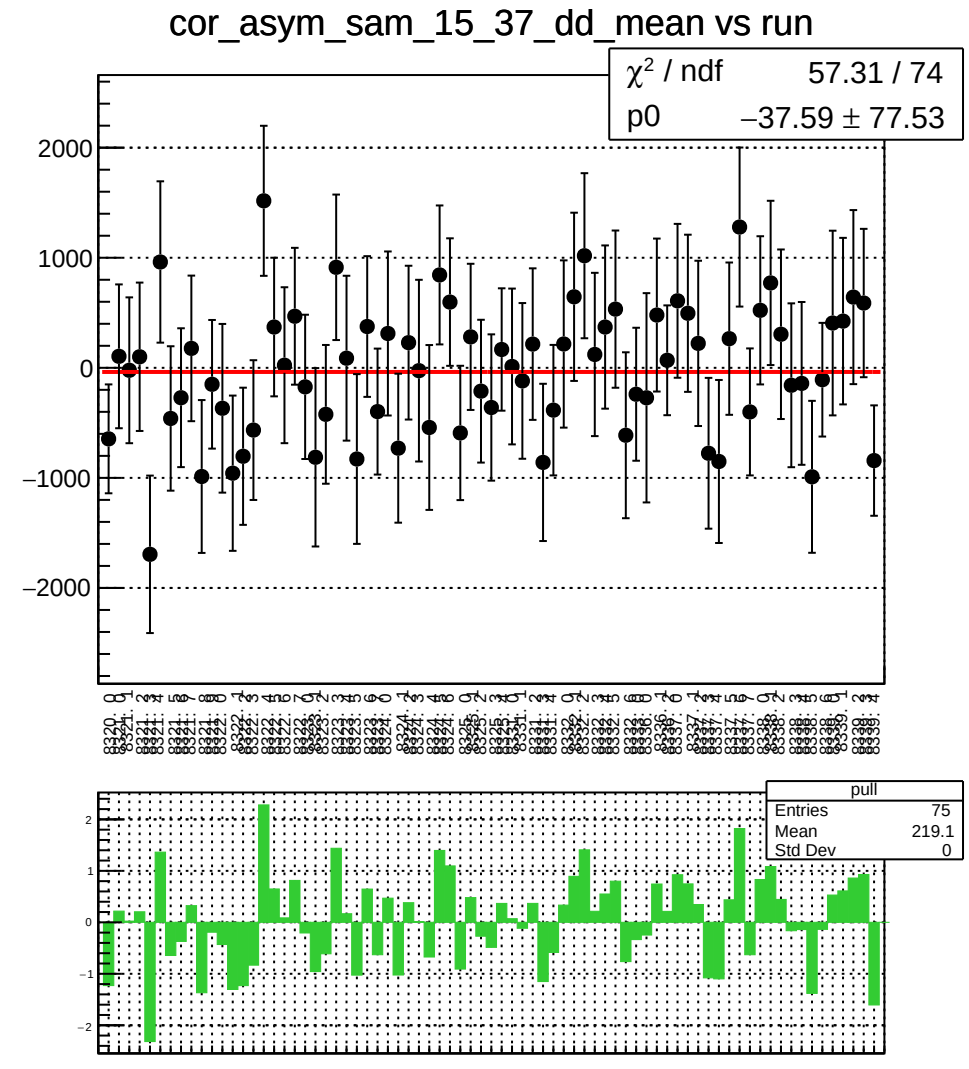

pull1D
Entries 75
Mean 0.01923
Std Dev 0.874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

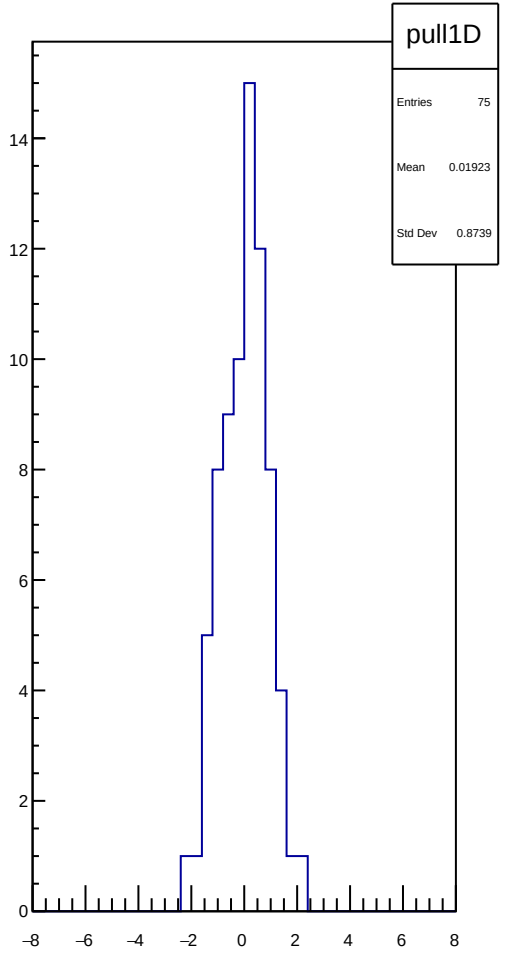

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 8670 / 74
p0 66.5 ± 0.05482
90
85
80
75
70
65
60
55

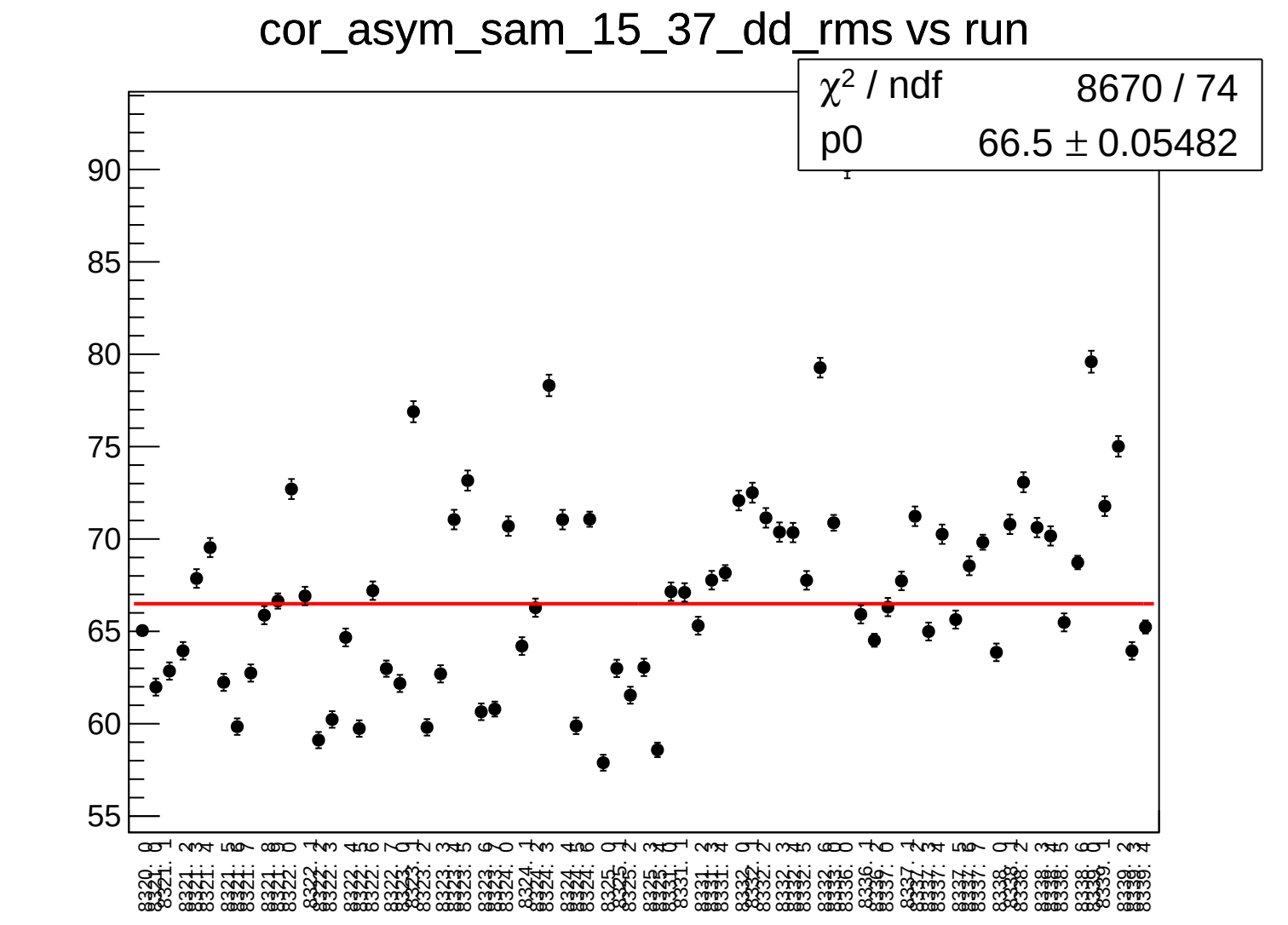

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 77.71 / 74
p0 1863 ± 928.1
pull
Entries 75
Mean −68.48
Std Dev 0

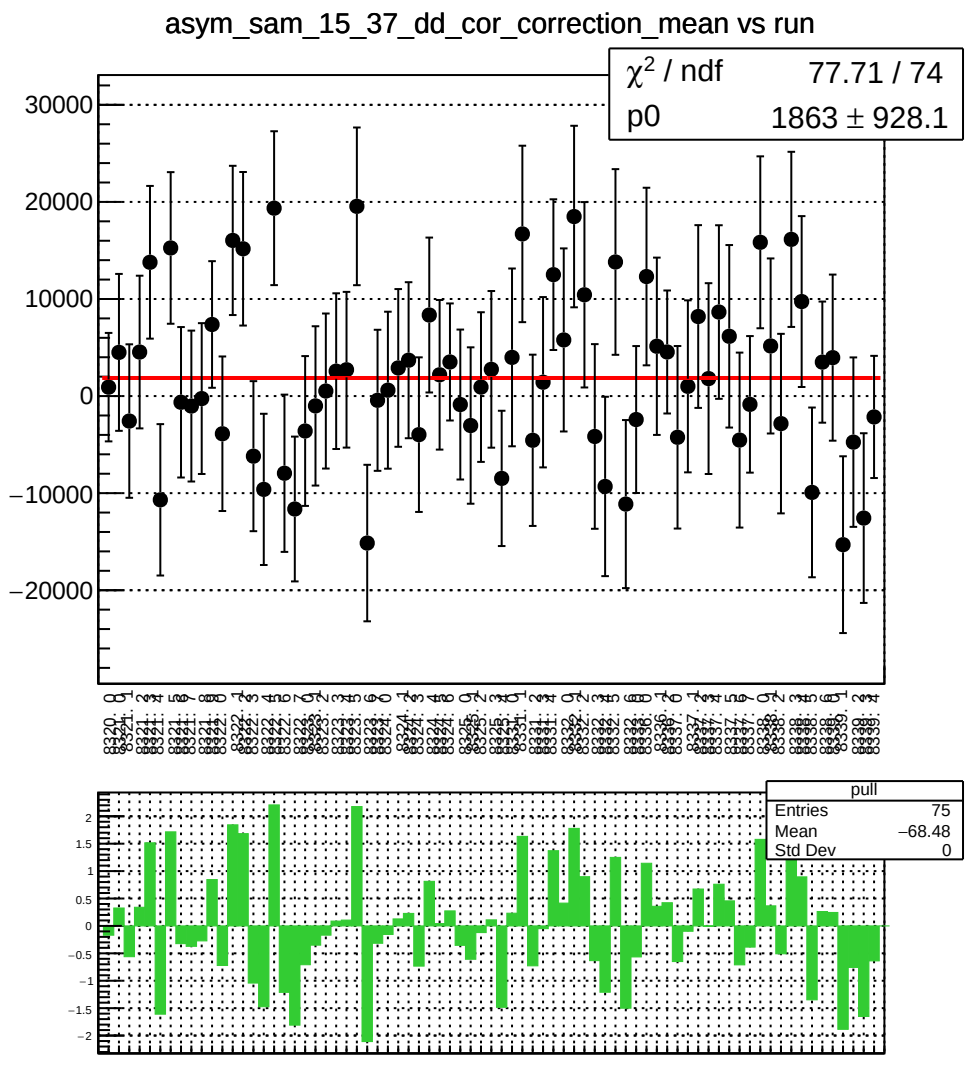

pull1D
Entries 75
Mean 0.01018
Std Dev 1.018

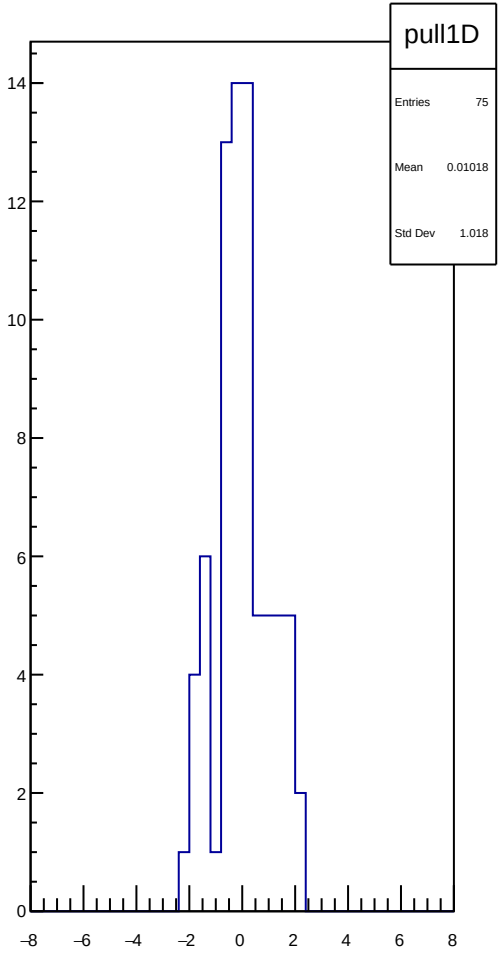

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 8090 / 74
p0 796.2 ± 0.6563
950
900
850
800
750

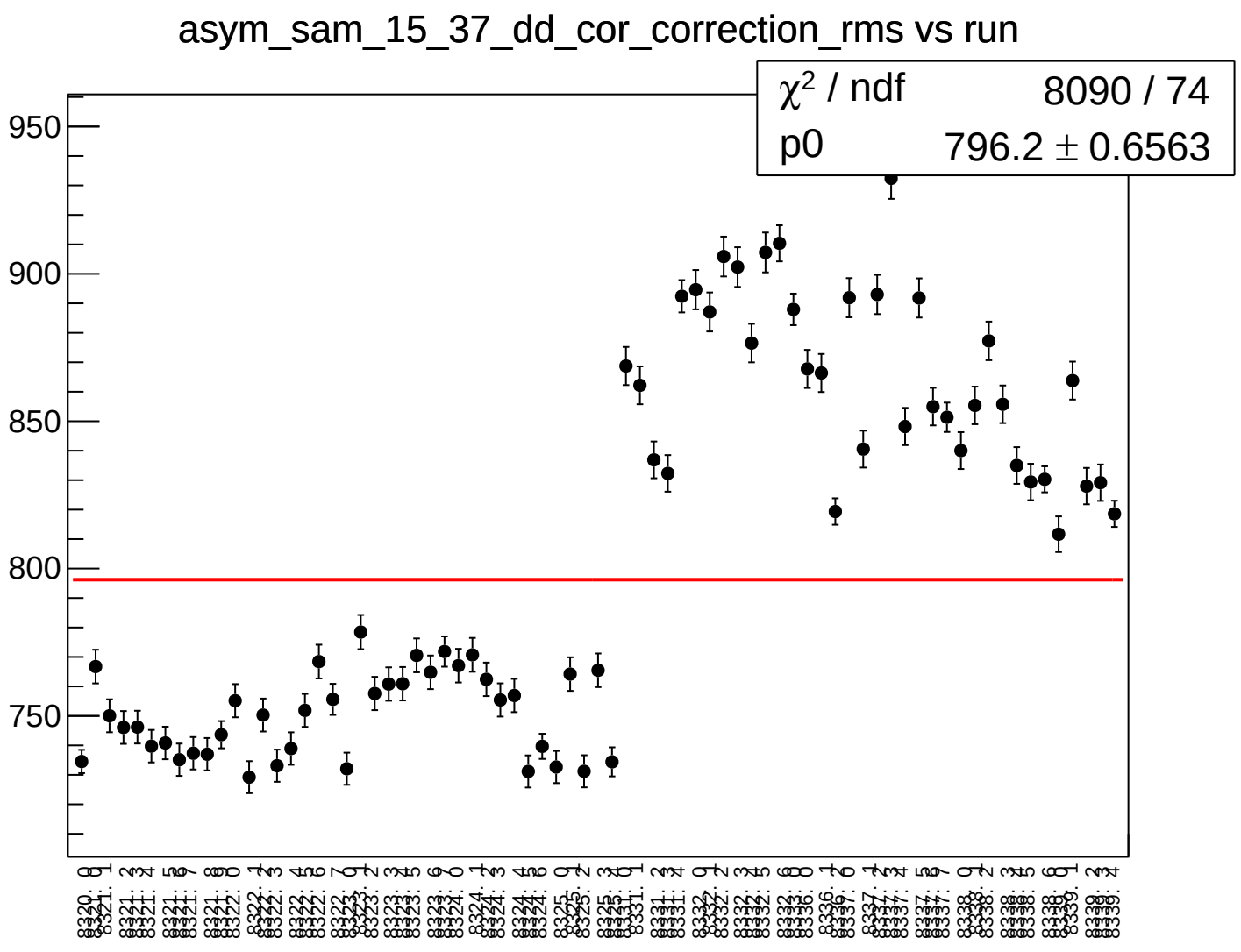

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 57.31 / 74
p0 −37.59 ± 77.53
2000
1000
0
−1000
−2000
pull
Entries 75
Mean 219.1
Std Dev 0
2
1
0
−1
−2

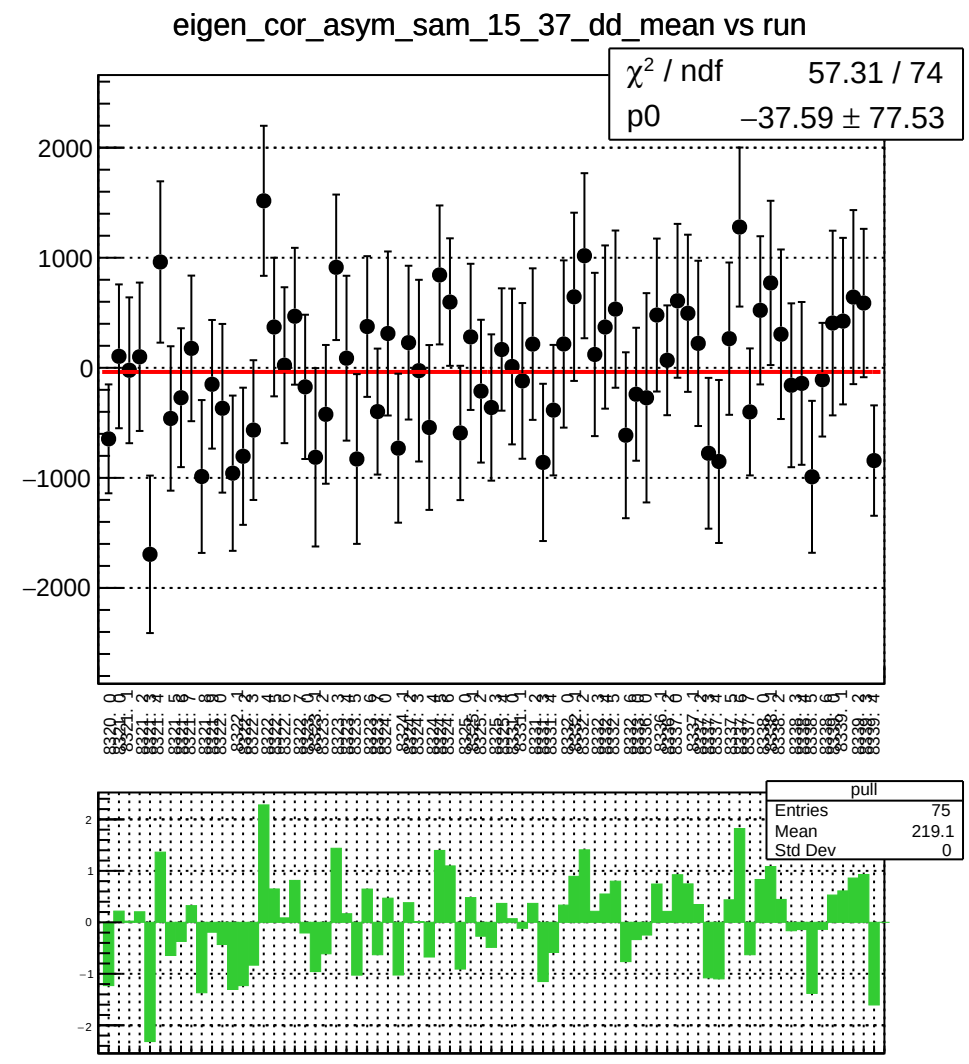

pull1D
Entries 75
Mean 0.01923
Std Dev 0.8739
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

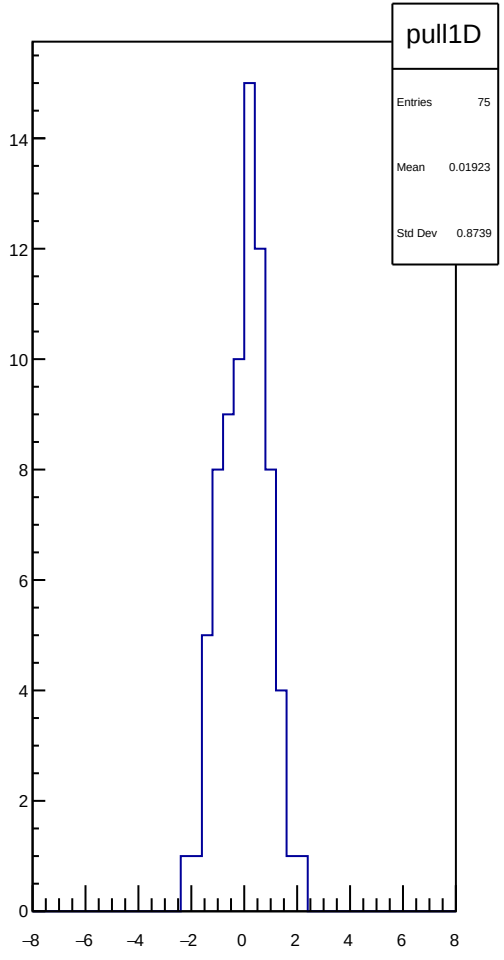

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 8670 / 74
p0 66.5 ± 0.05482
90
85
80
75
70
65
60
55

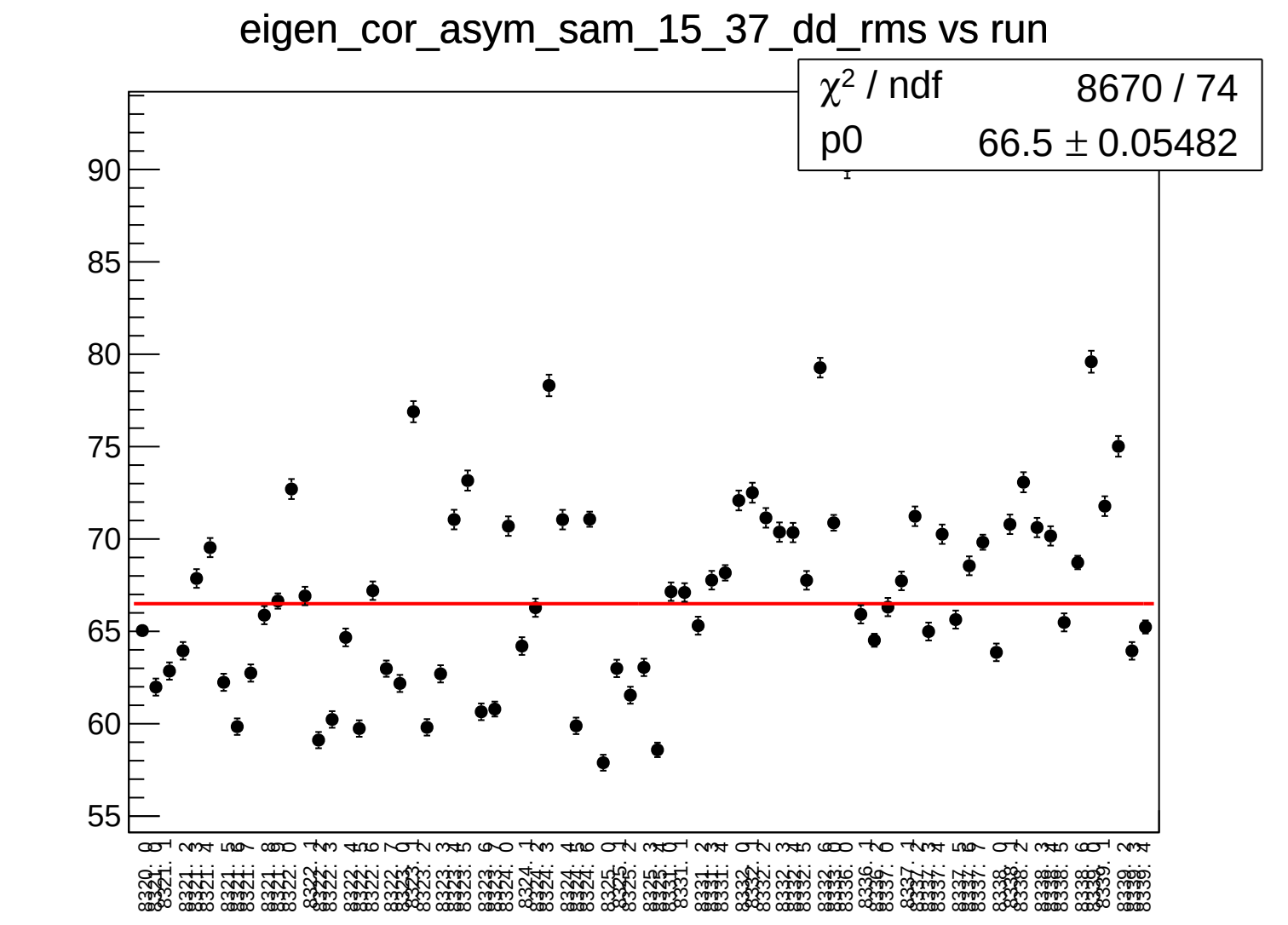

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 77.71 / 74
p0 1863 ± 928.1
pull
Entries 75
Mean −68.48
Std Dev 0

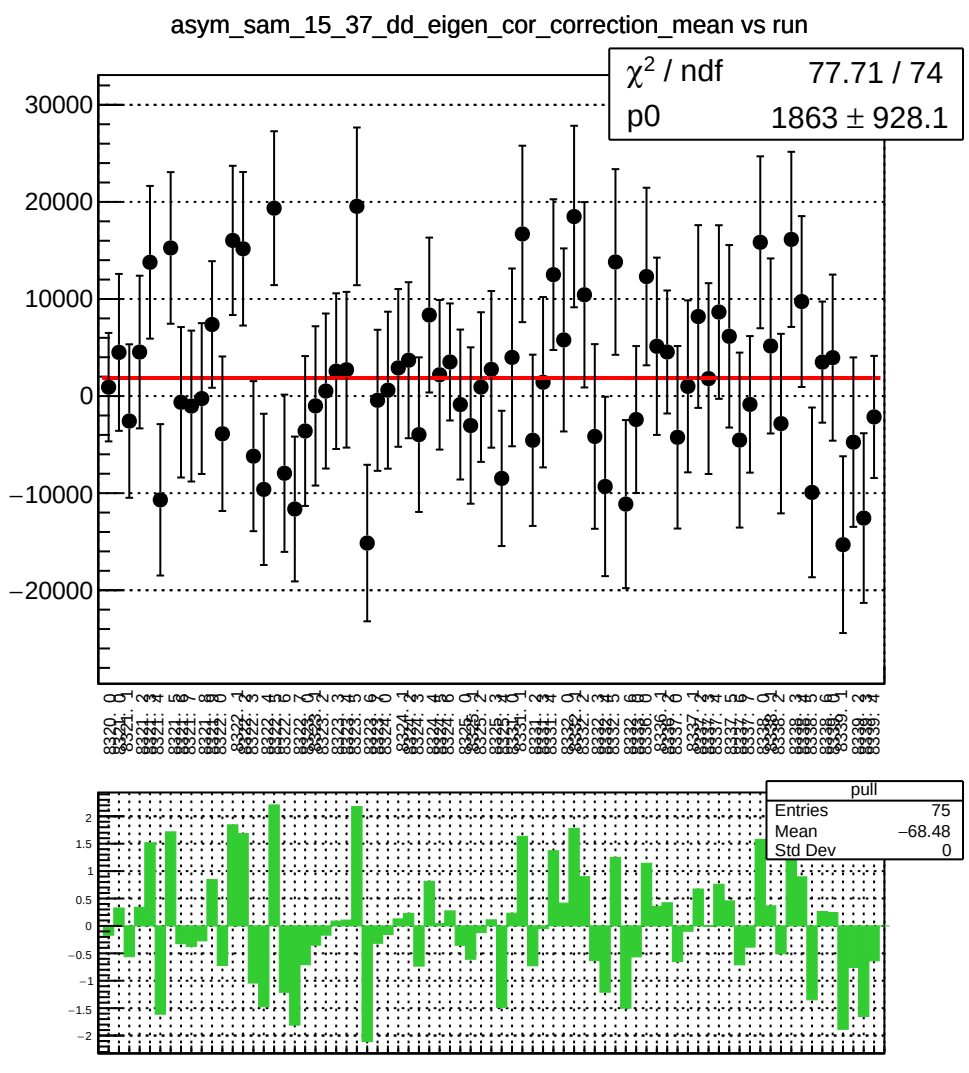

pull1D
Entries 75
Mean 0.01018
Std Dev 1.018

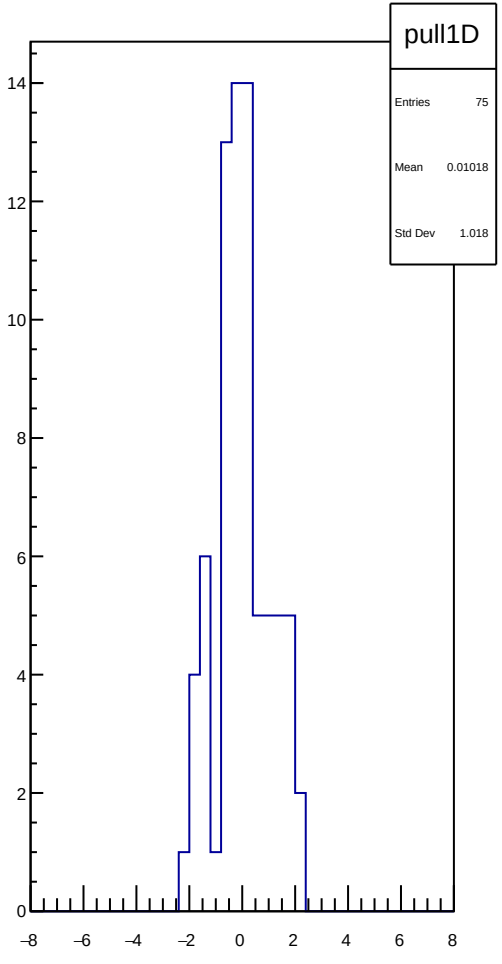

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 8090 / 74
p0 796.2 ± 0.6563
950
900
850
800
750

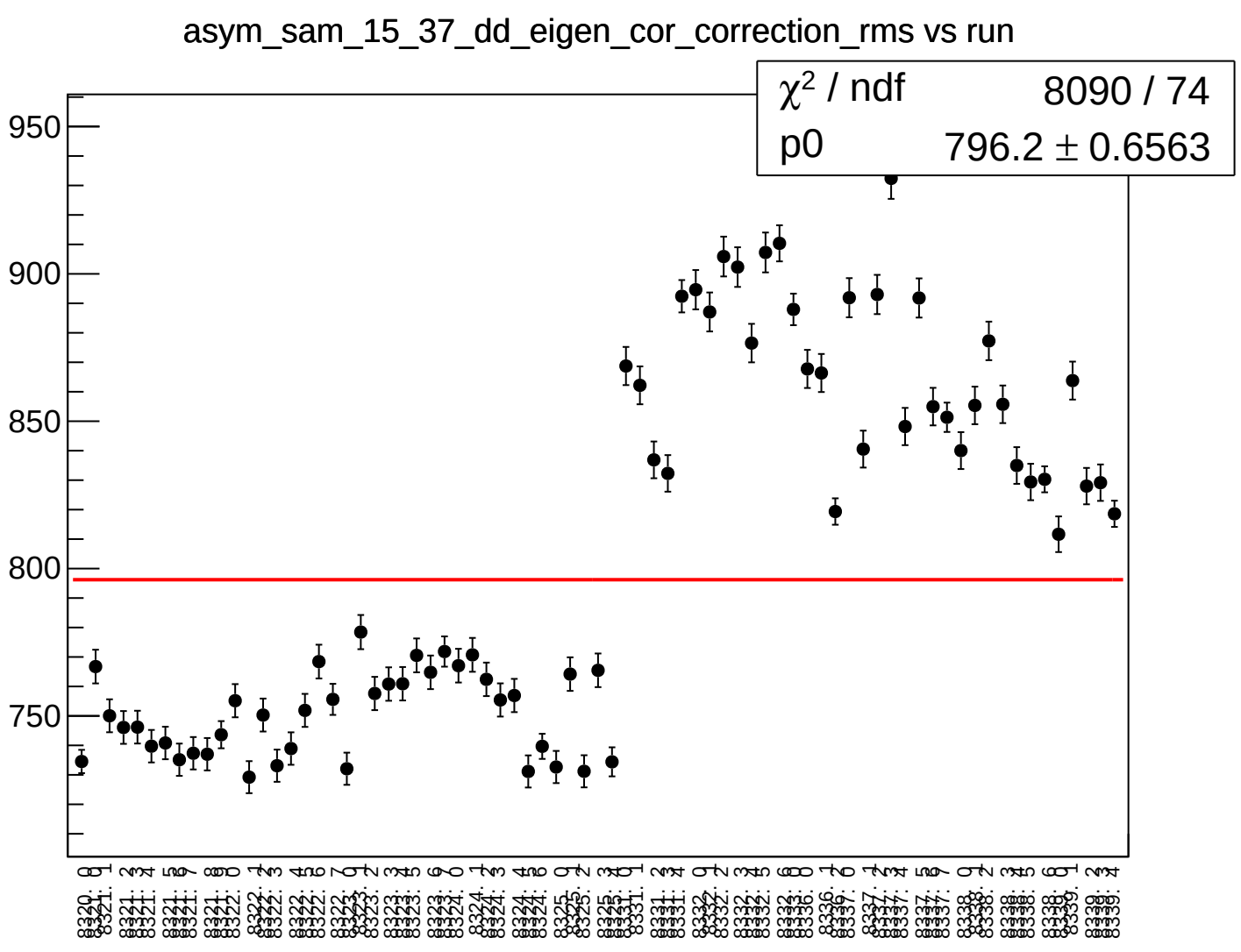

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 57.31 / 74
p0 −37.59 ± 77.53
2000
1000
0
−1000
−2000
pull
Entries 75
Mean 219.1
Std Dev 0
2
1
0
−1
−2

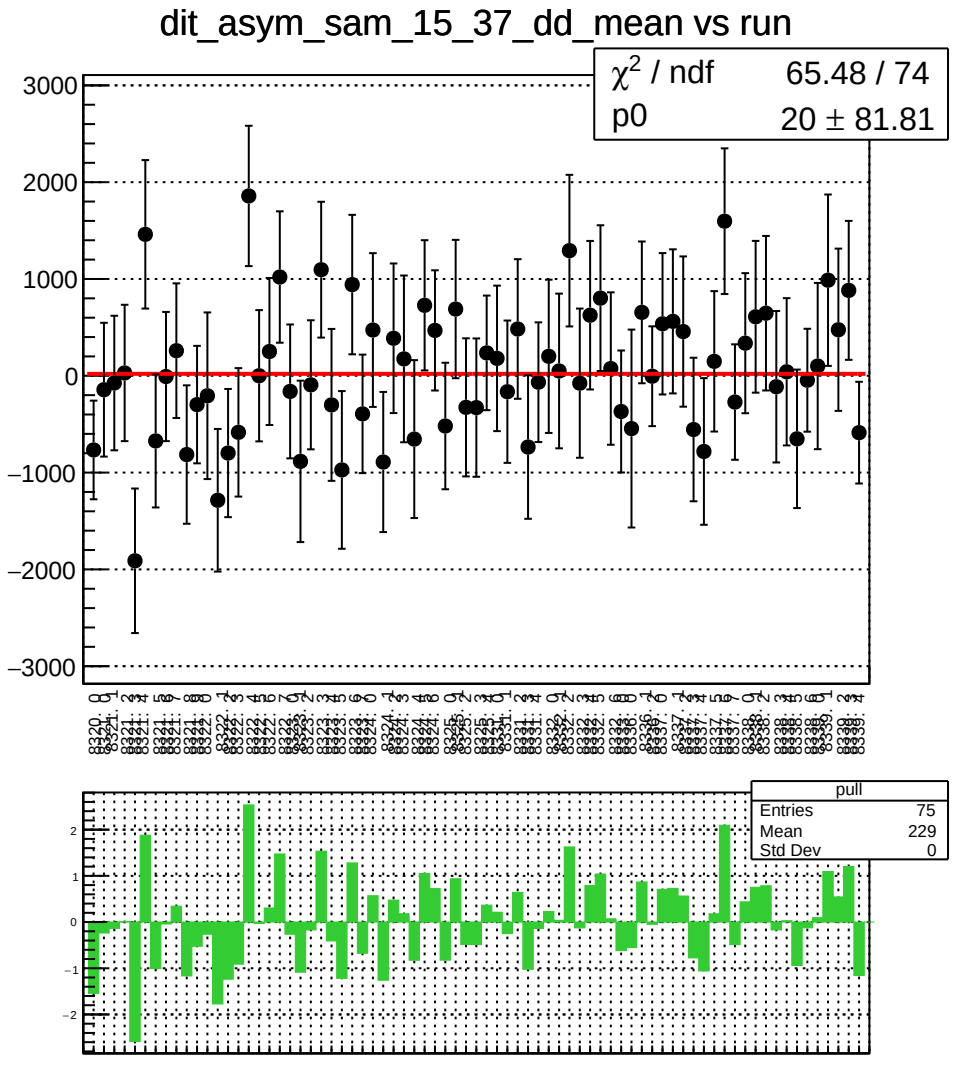

pull1D
Entries 75
Mean 0.01923
Std Dev 0.8739
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

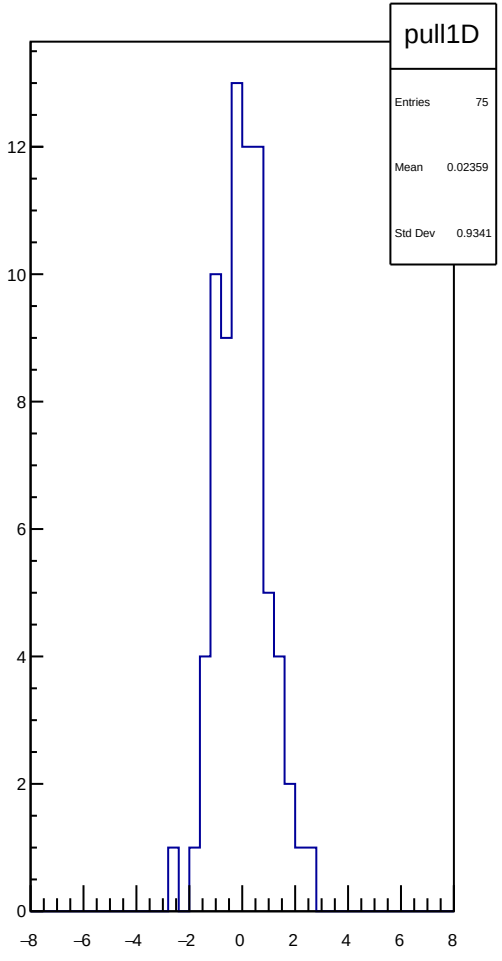

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 8670 / 74
p0 66.5 ± 0.05482
90
85
80
75
70
65
60
55

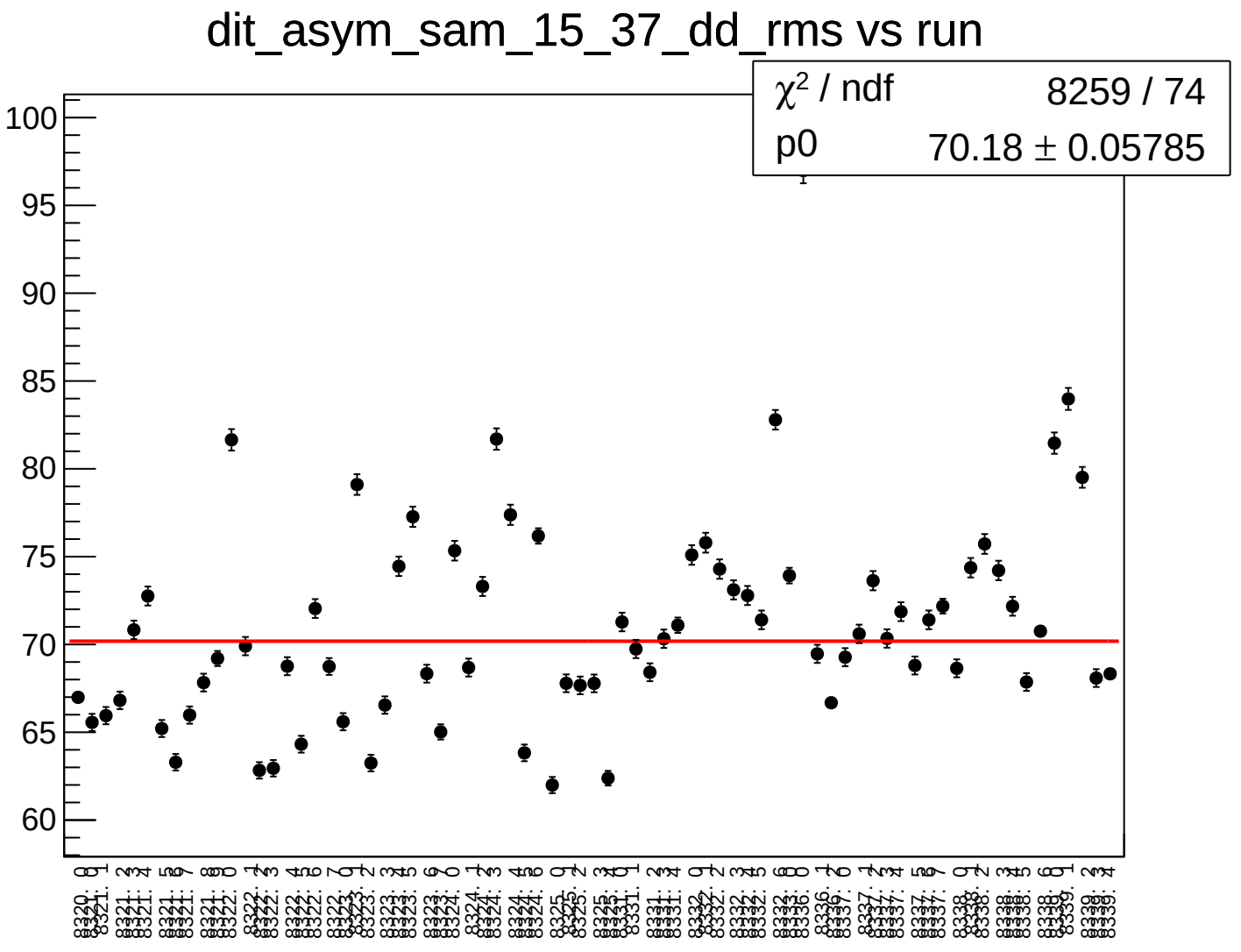

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 77.71 / 74
p0 1863 ± 928.1
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −68.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

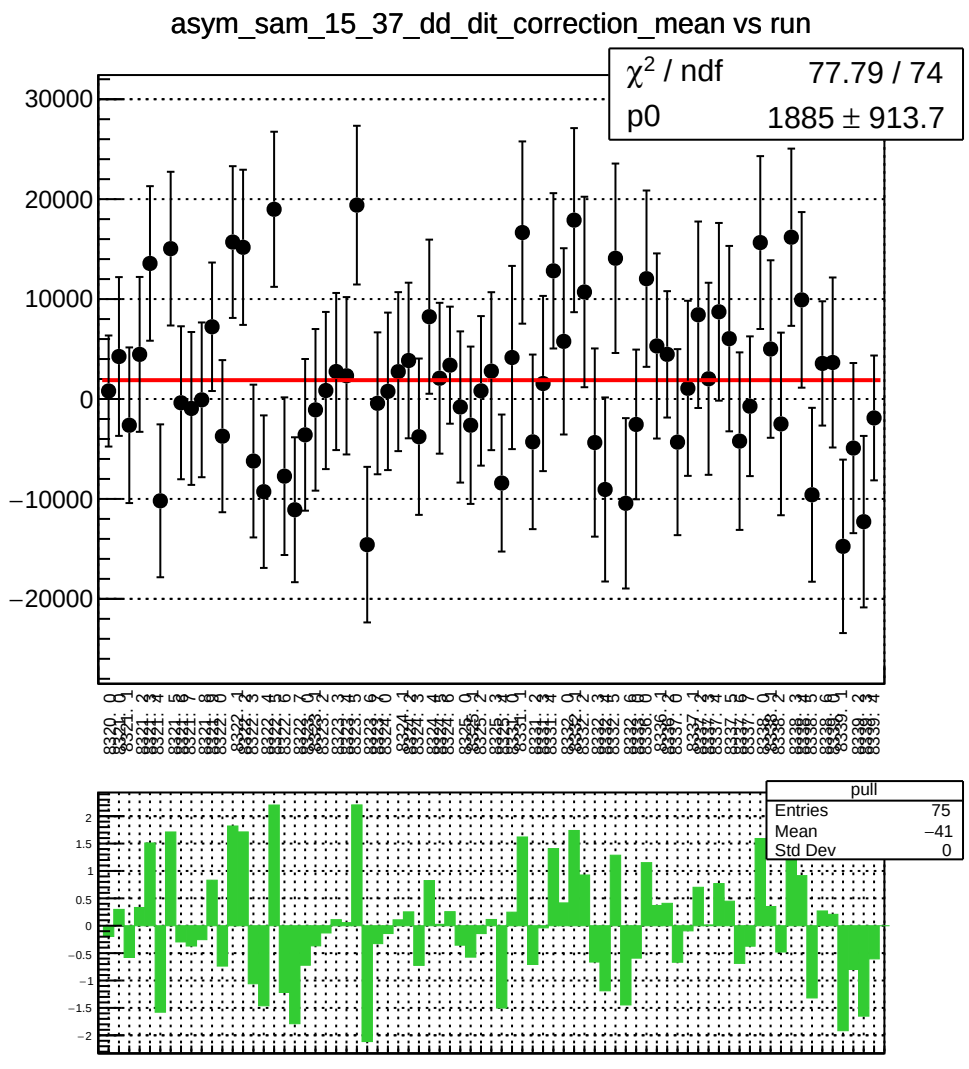

pull1D
Entries 75
Mean 0.01018
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

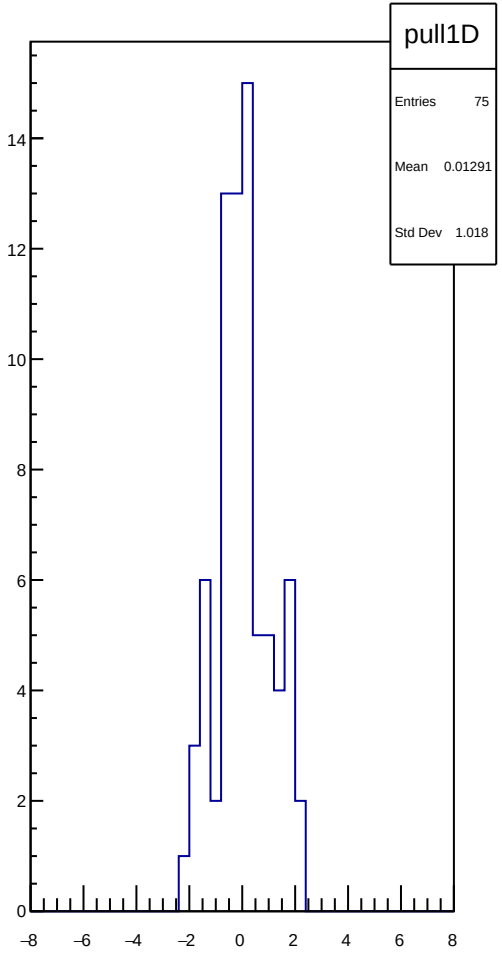

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 8090 / 74
p0 796.2 ± 0.6563
950
900
850
800
750

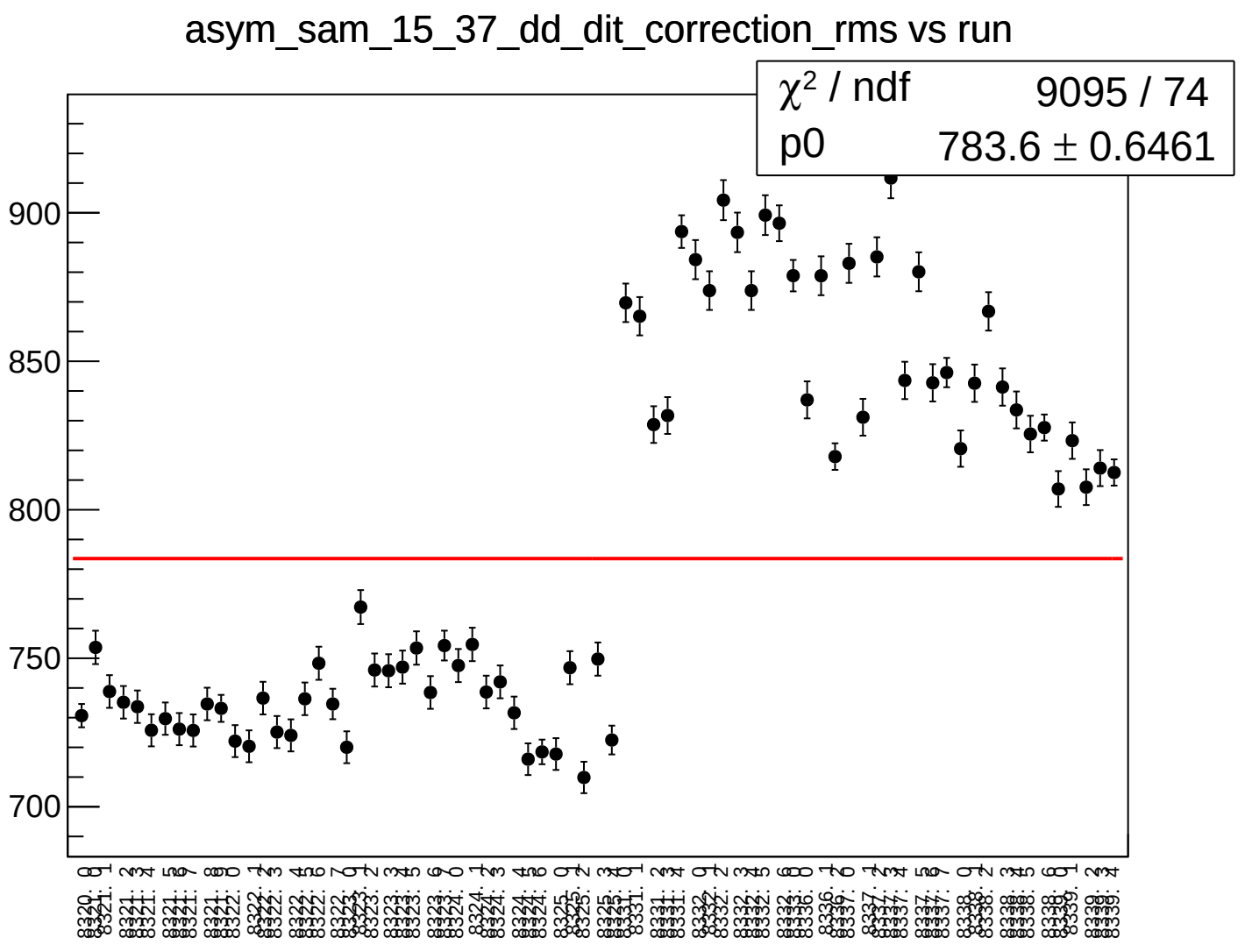

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 65.48 / 74
p0 20 ± 81.81
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 75
Mean 229
Std Dev 0
2
1
0
−1
−2

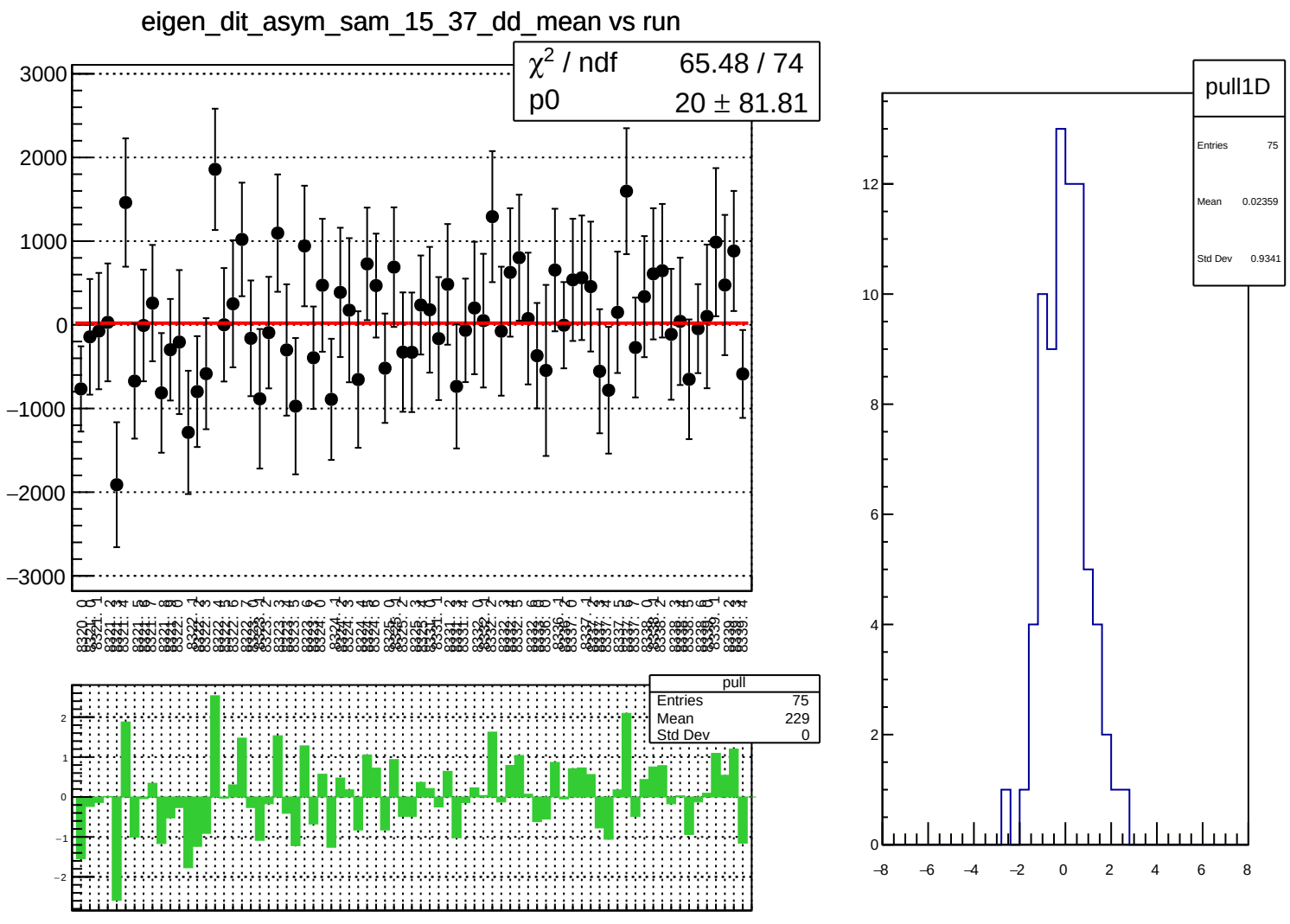

pull1D
Entries 75
Mean 0.02359
Std Dev 0.9341
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

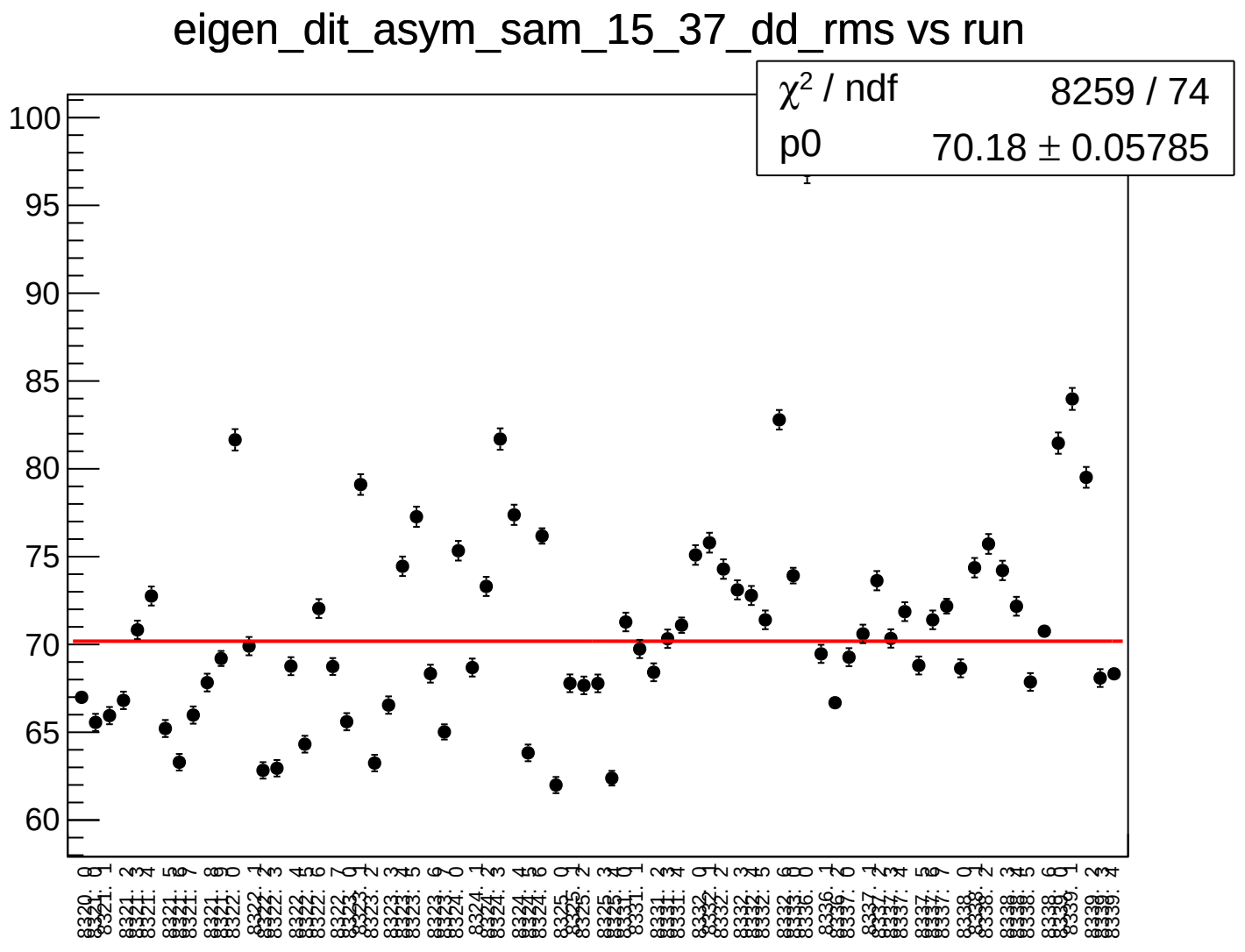

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 8259 / 74
p0 70.18 ± 0.05785
100
95
90
85
80
75
70
65
60

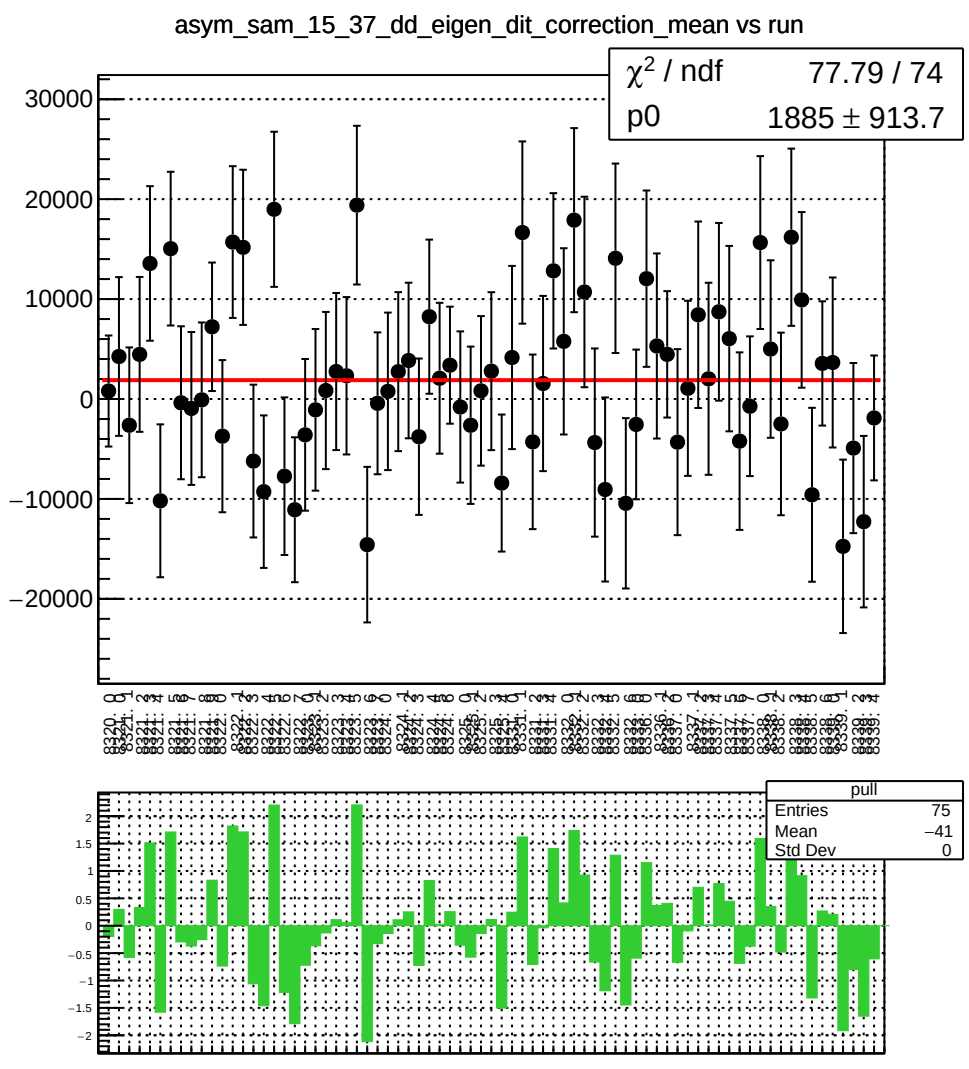

asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 77.79 / 74
p0 1885 ± 913.7
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

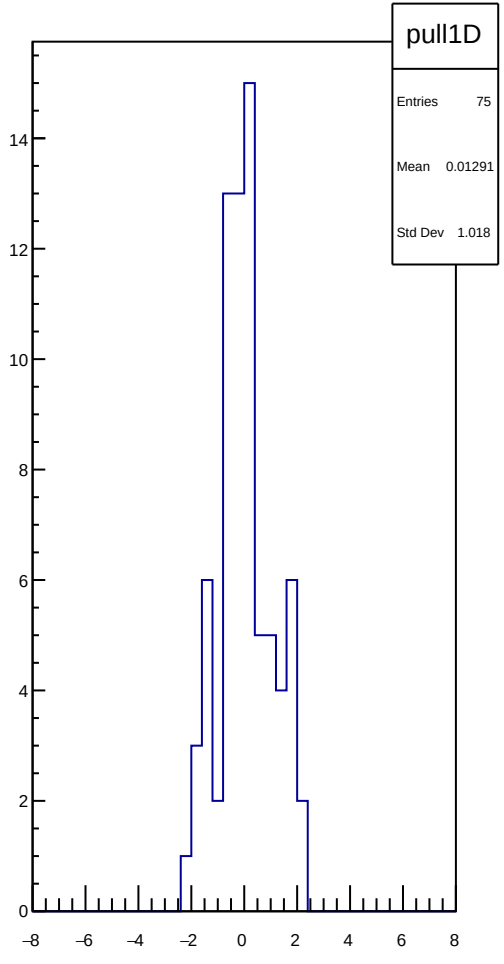

pull1D
Entries 75
Mean 0.01291
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

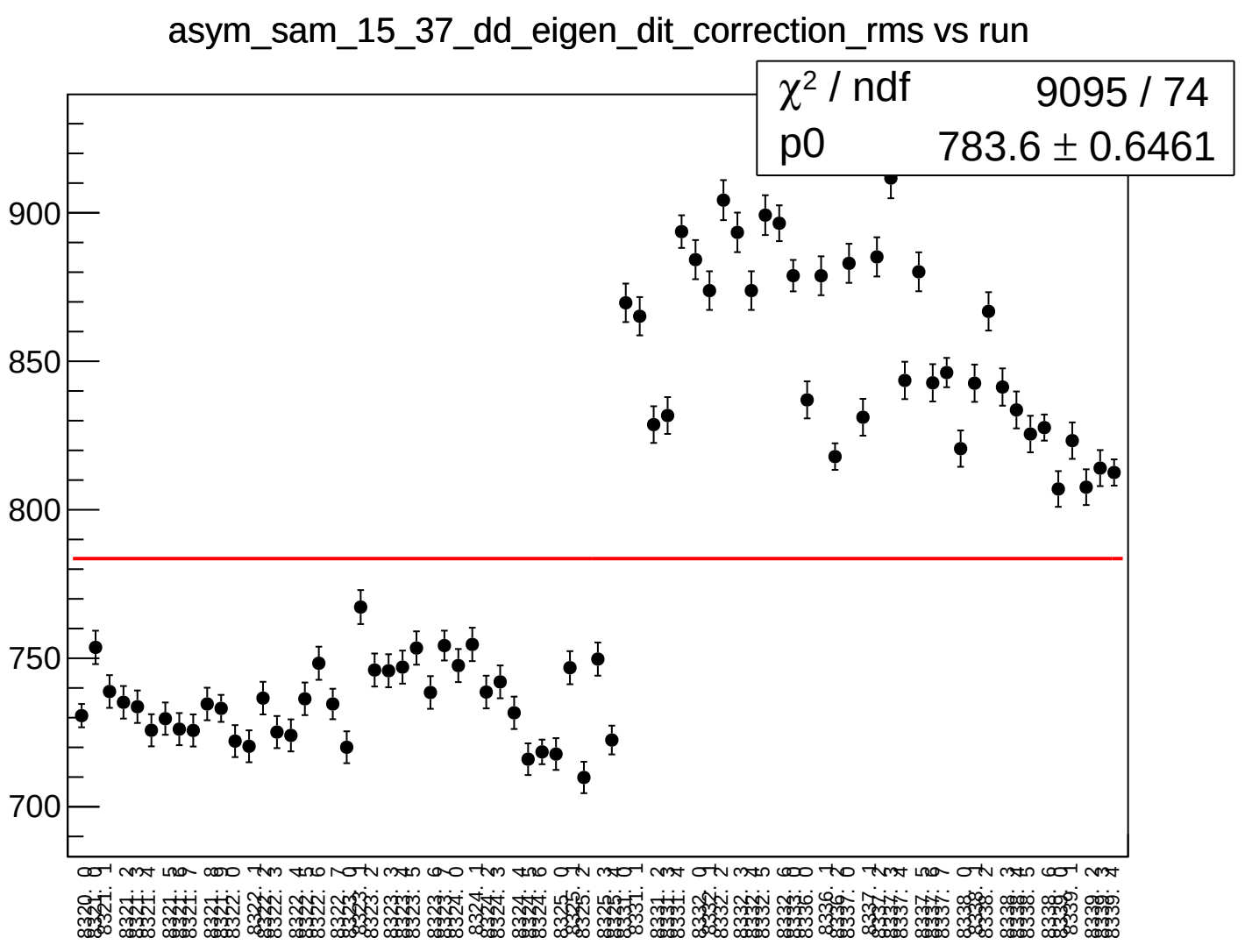

asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 9095 / 74
p0 783.6 ± 0.6461
900
850
800
750
700

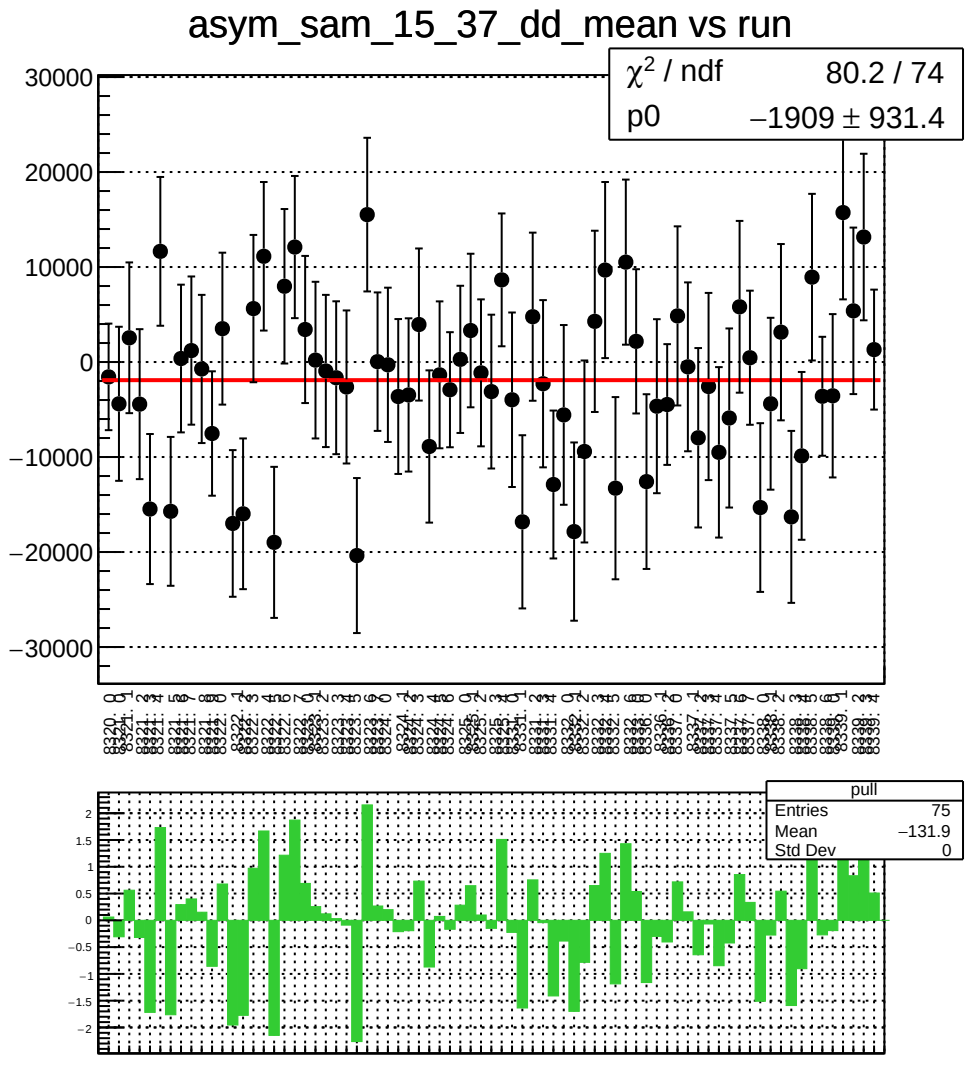

eigen_dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 65.48 / 74
p0 20 ± 81.81
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 75
Mean 229
Std Dev 0
pull1D
Entries 75
Mean 0.02359
Std Dev 0.9341
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

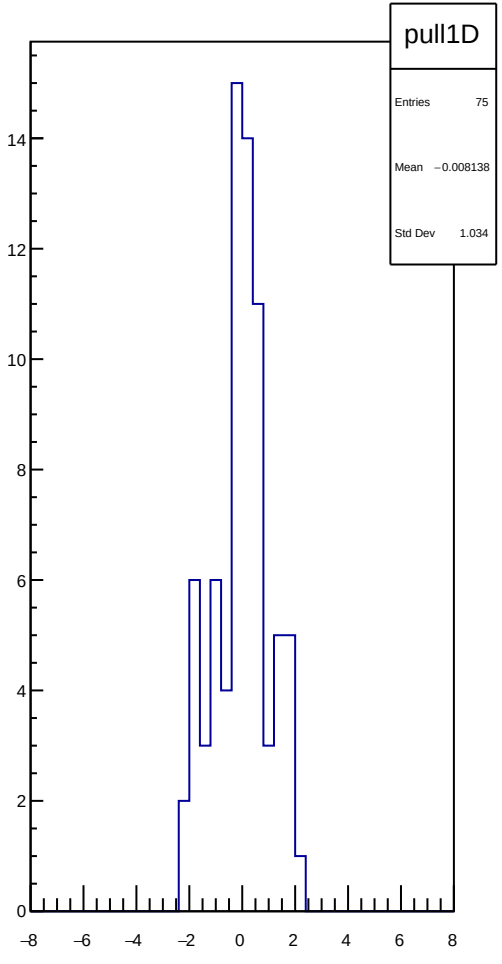

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 8259 / 74
p0 70.18 ± 0.05785
100
95
90
85
80
75
70
65
60

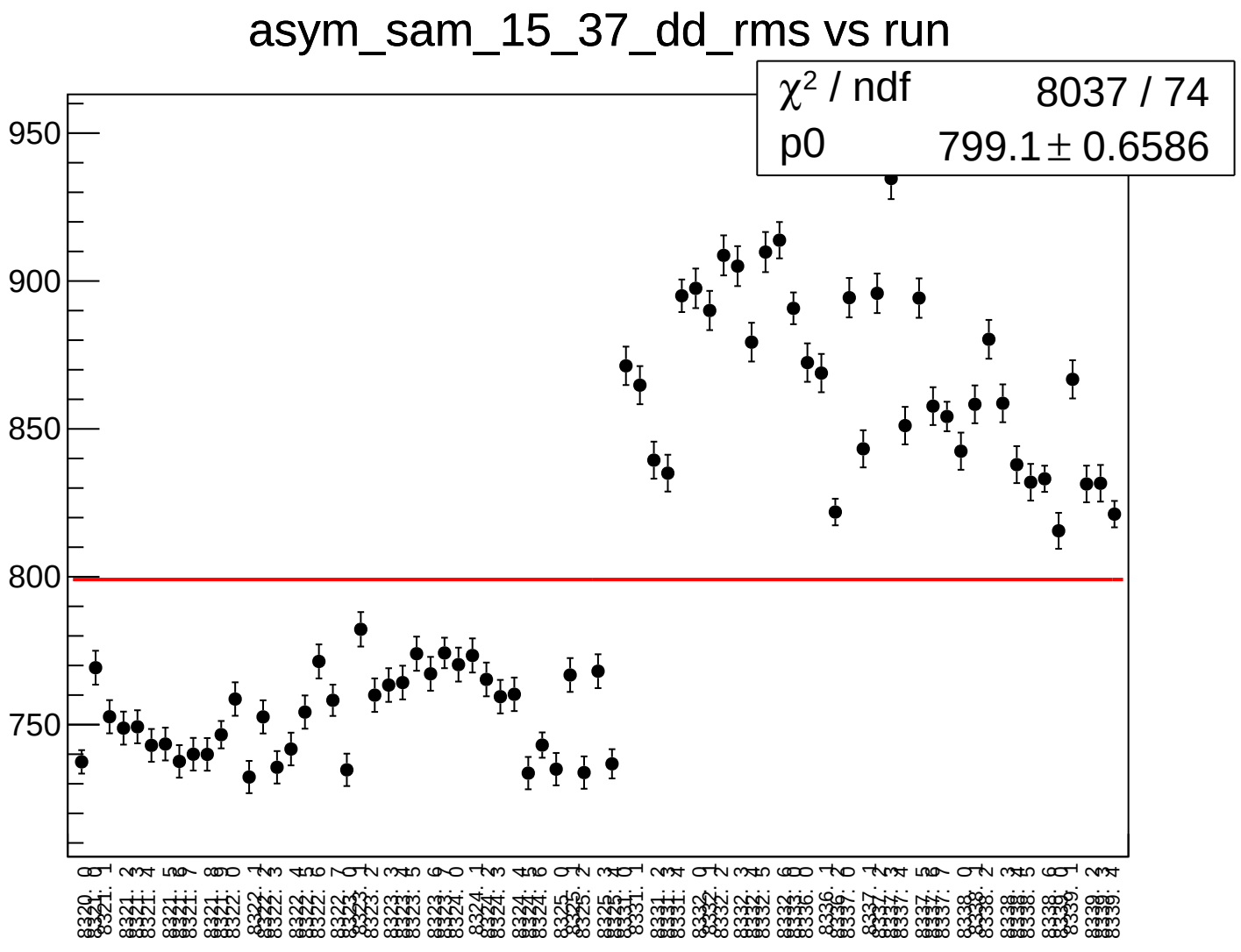

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 77.79 / 74
p0 1885 ± 913.7
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

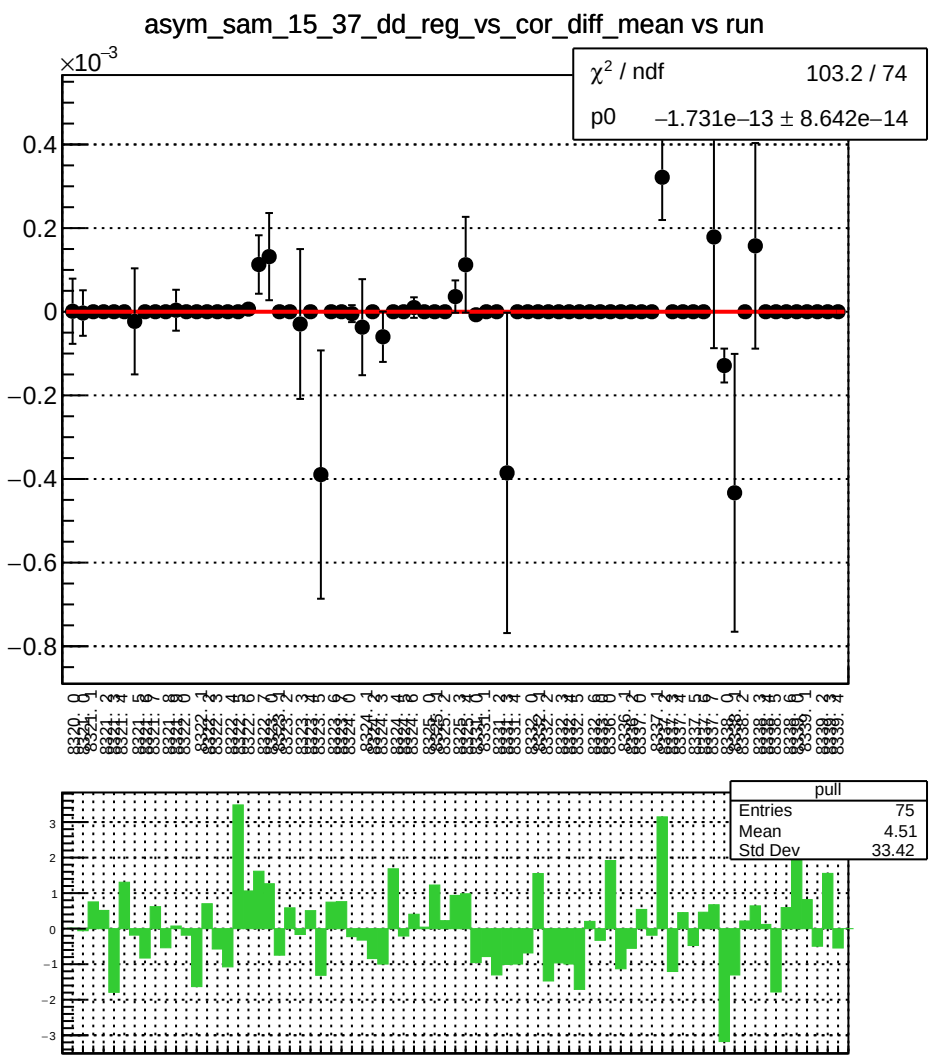

pull1D
Entries 75
Mean 0.01291
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

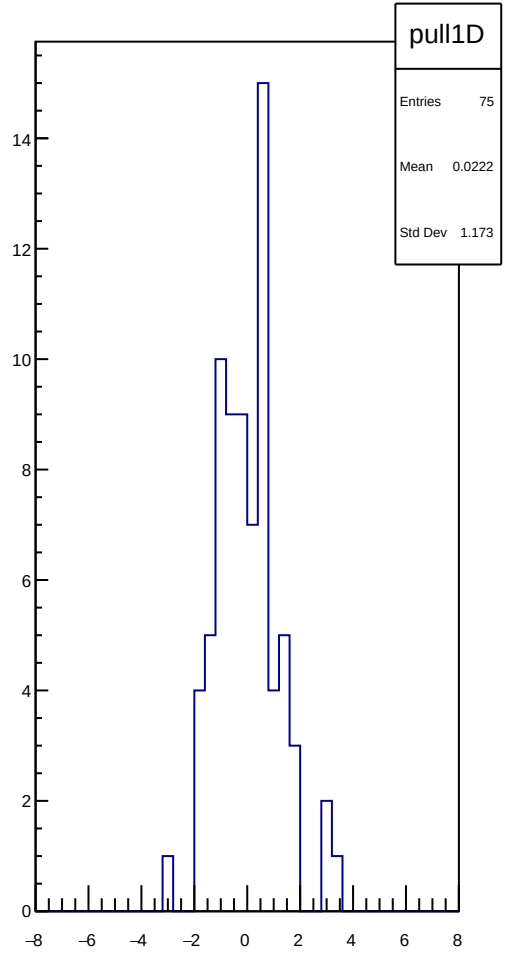

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 9095 / 74
p0 783.6 ± 0.6461
900
850
800
750
700

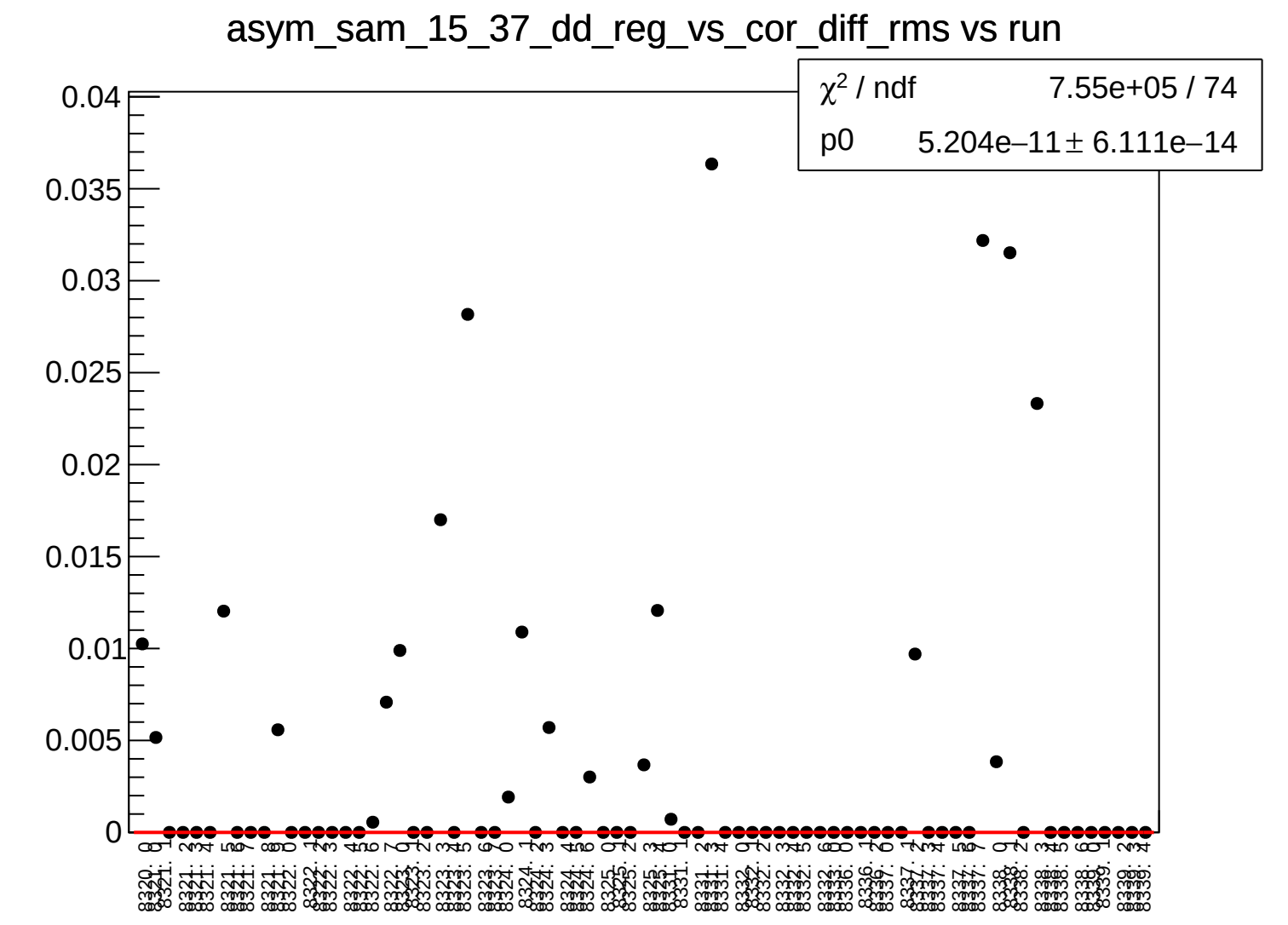

asym_sam_15_37_dd_mean vs run
χ² / ndf 80.2 / 74
p0 −1909 ± 931.4
pull
Entries 75
Mean −131.9
Std Dev 0

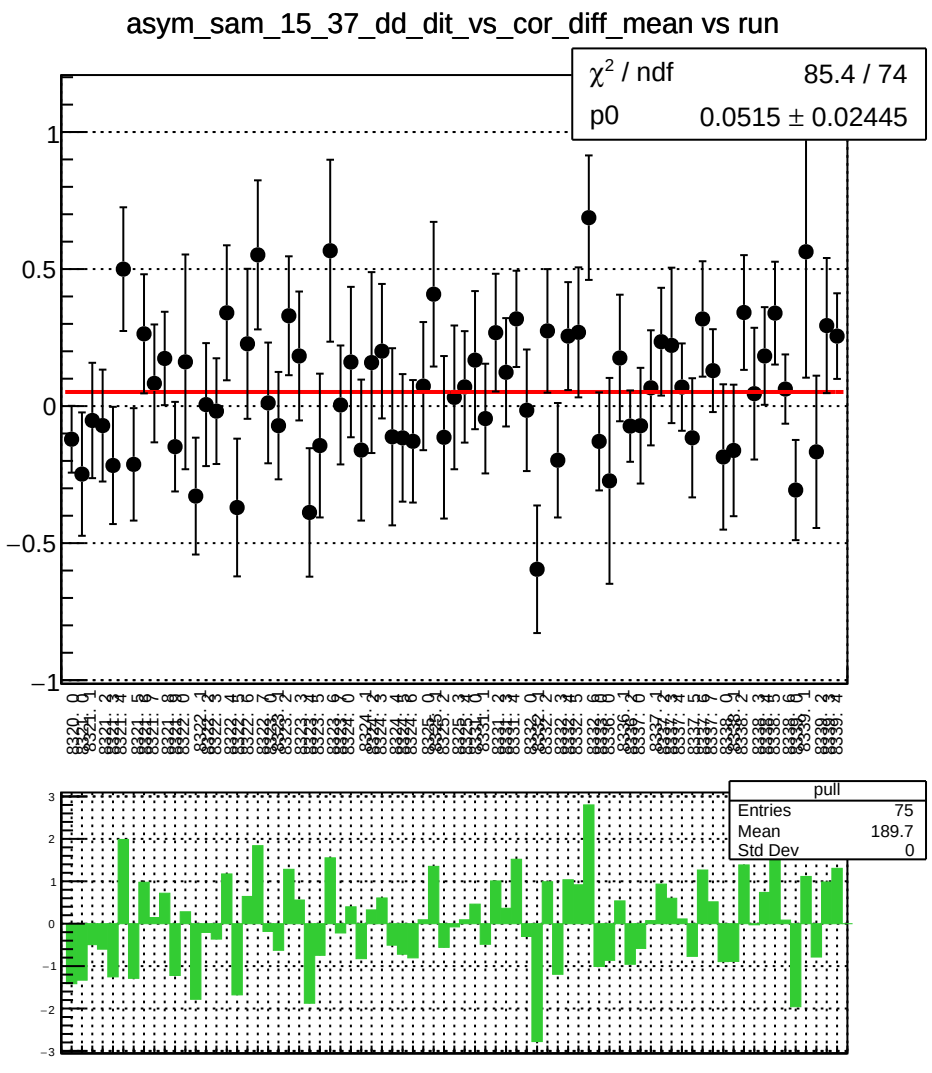

pull1D
Entries 75
Mean −0.008138
Std Dev 1.034

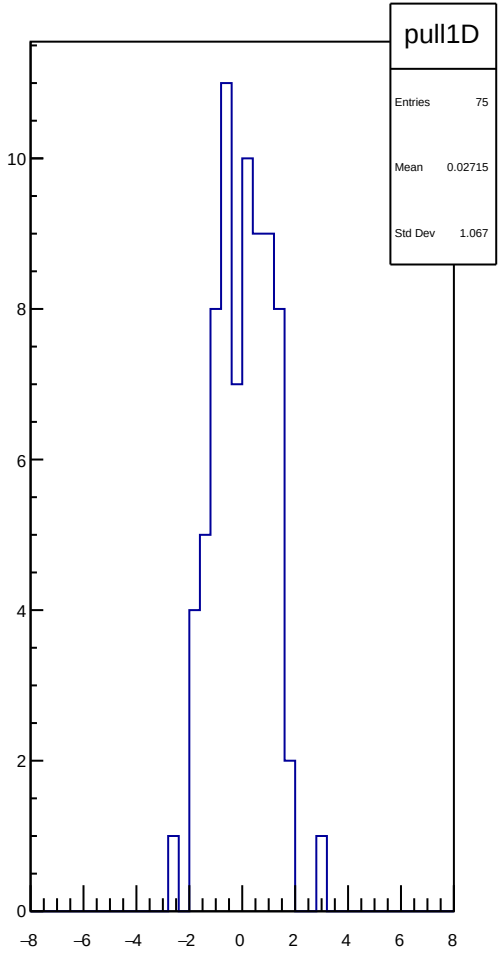

asym_sam_15_37_dd_rms vs run
χ² / ndf 8037 / 74
p0 799.1 ± 0.6586
950
900
850
800
750

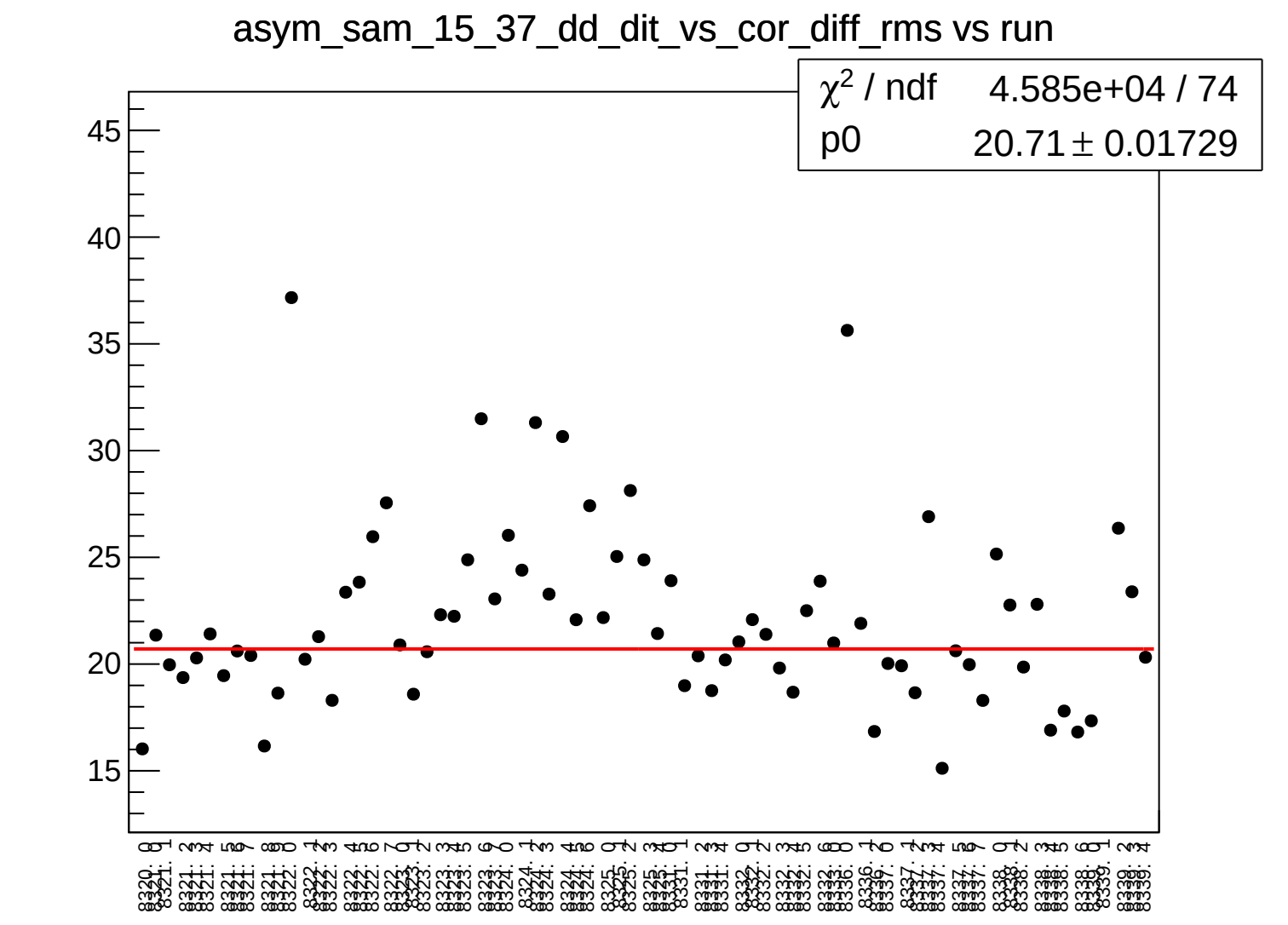

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 103.2 / 74
p0 −1.731e−13 ± 8.642e−14
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 75
Mean 4.51
Std Dev 33.42
3
2
1
0
−1
−2
−3

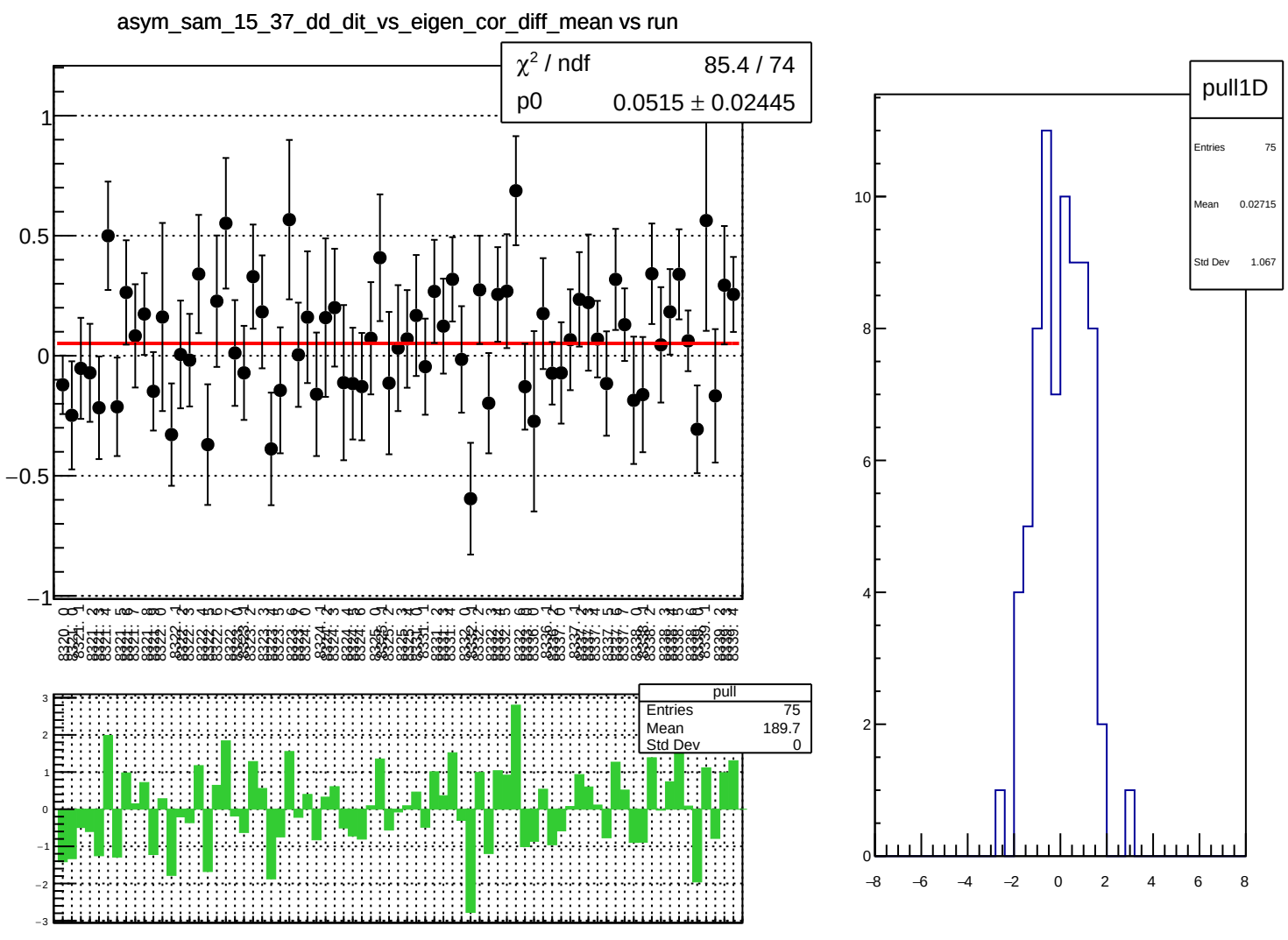

pull1D
Entries 75
Mean 0.0222
Std Dev 1.173
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

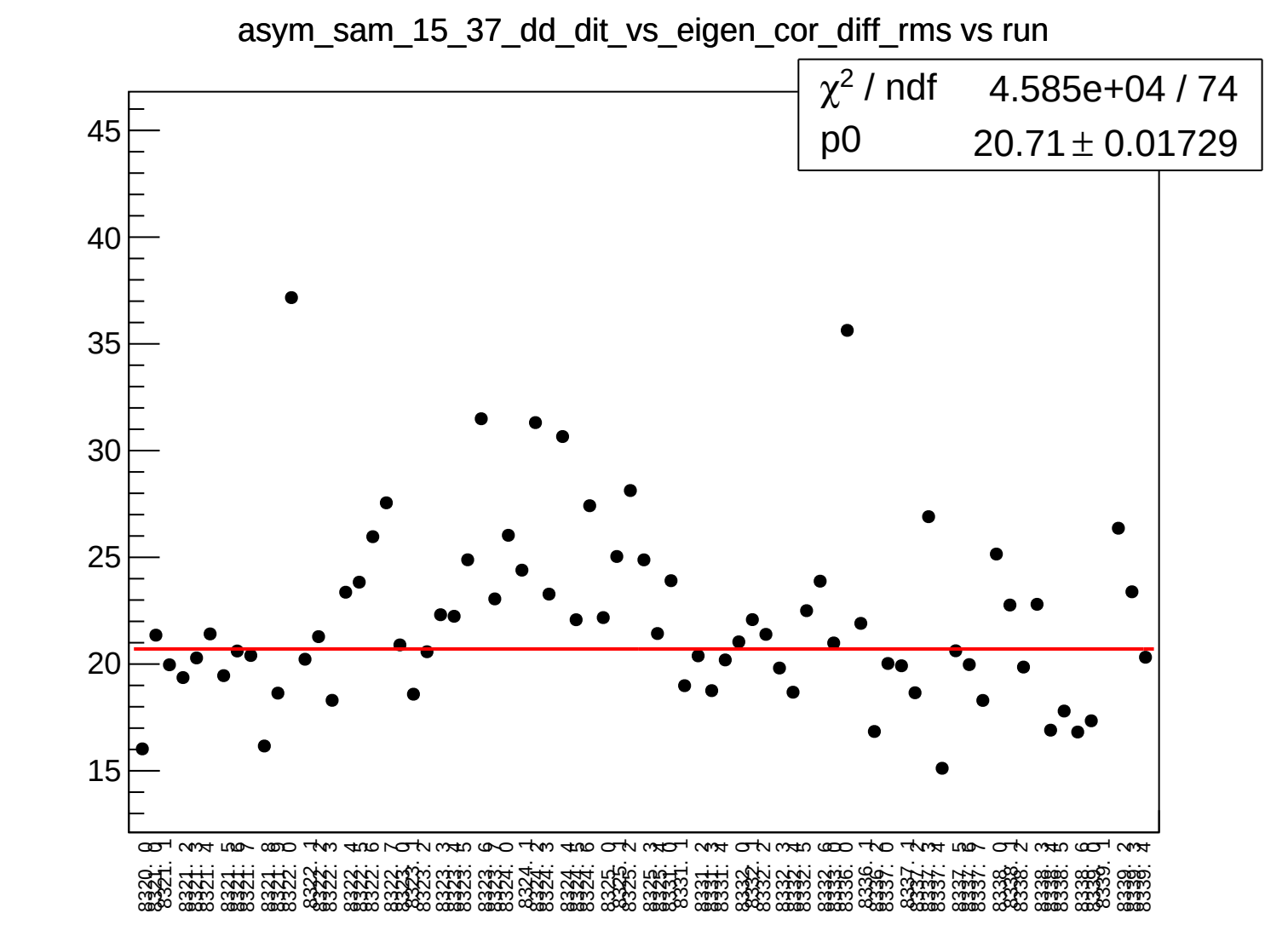

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.55e+05 / 74
p0 5.204e−11 ± 6.111e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

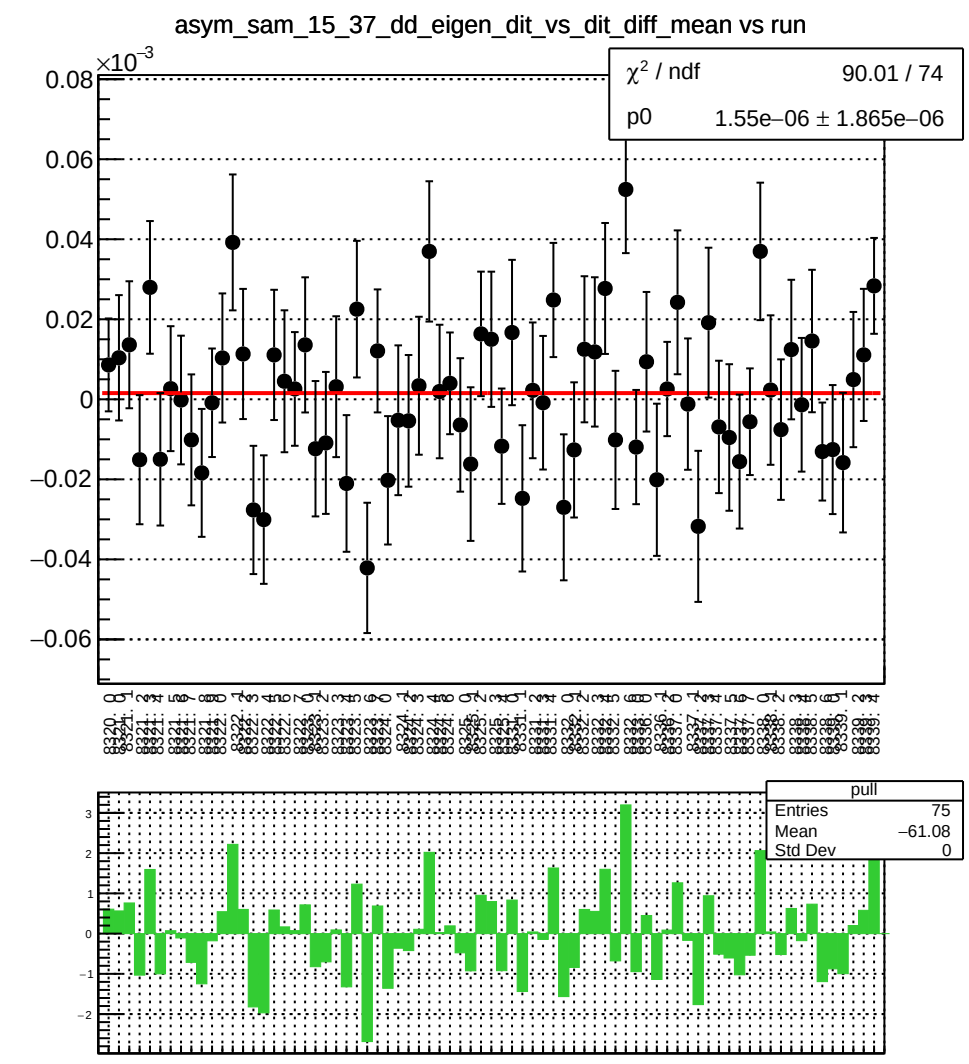

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.4 / 74
p0 0.0515 ± 0.02445
pull
Entries 75
Mean 189.7
Std Dev 0

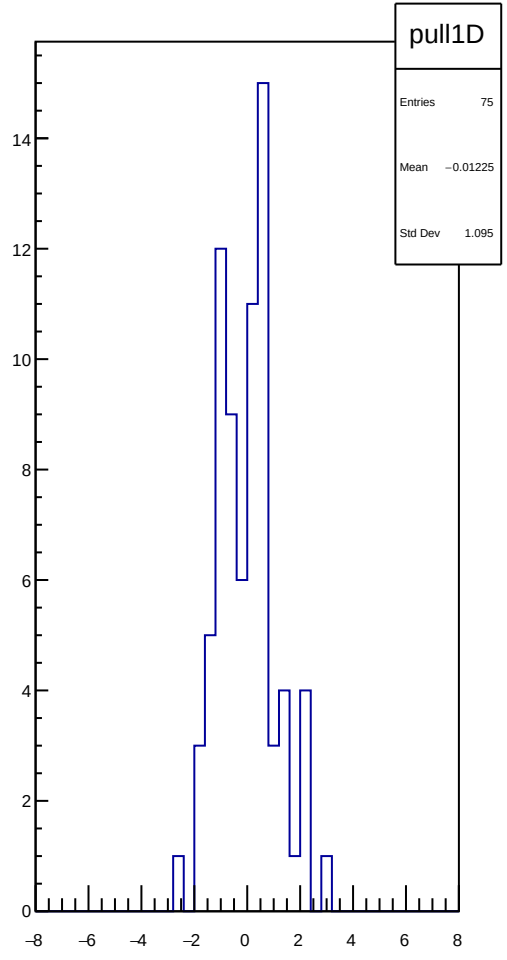

pull1D
Entries 75
Mean 0.02715
Std Dev 1.067

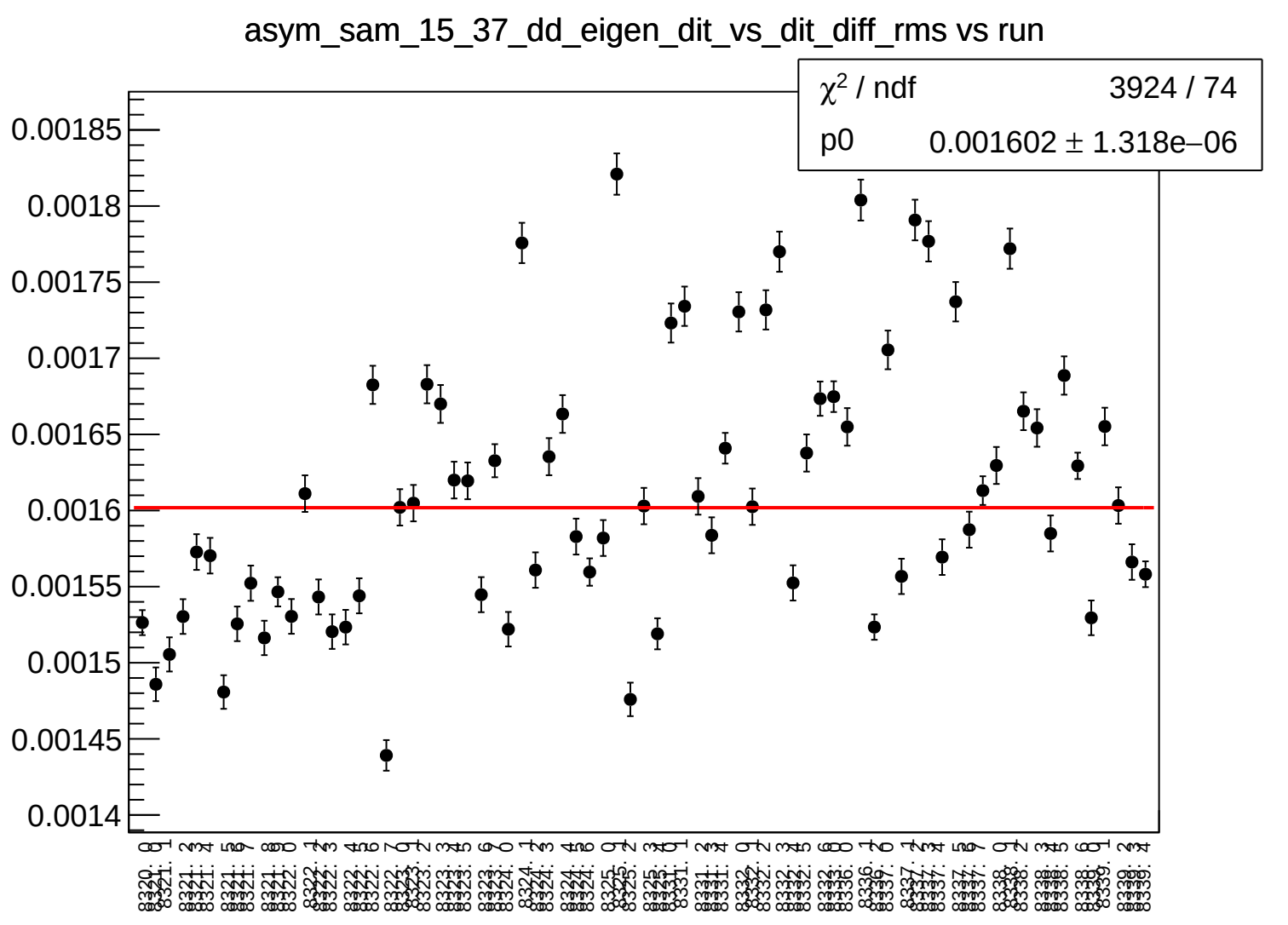

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.585e+04 / 74
p0 20.71 ± 0.01729
45
40
35
30
25
20
15

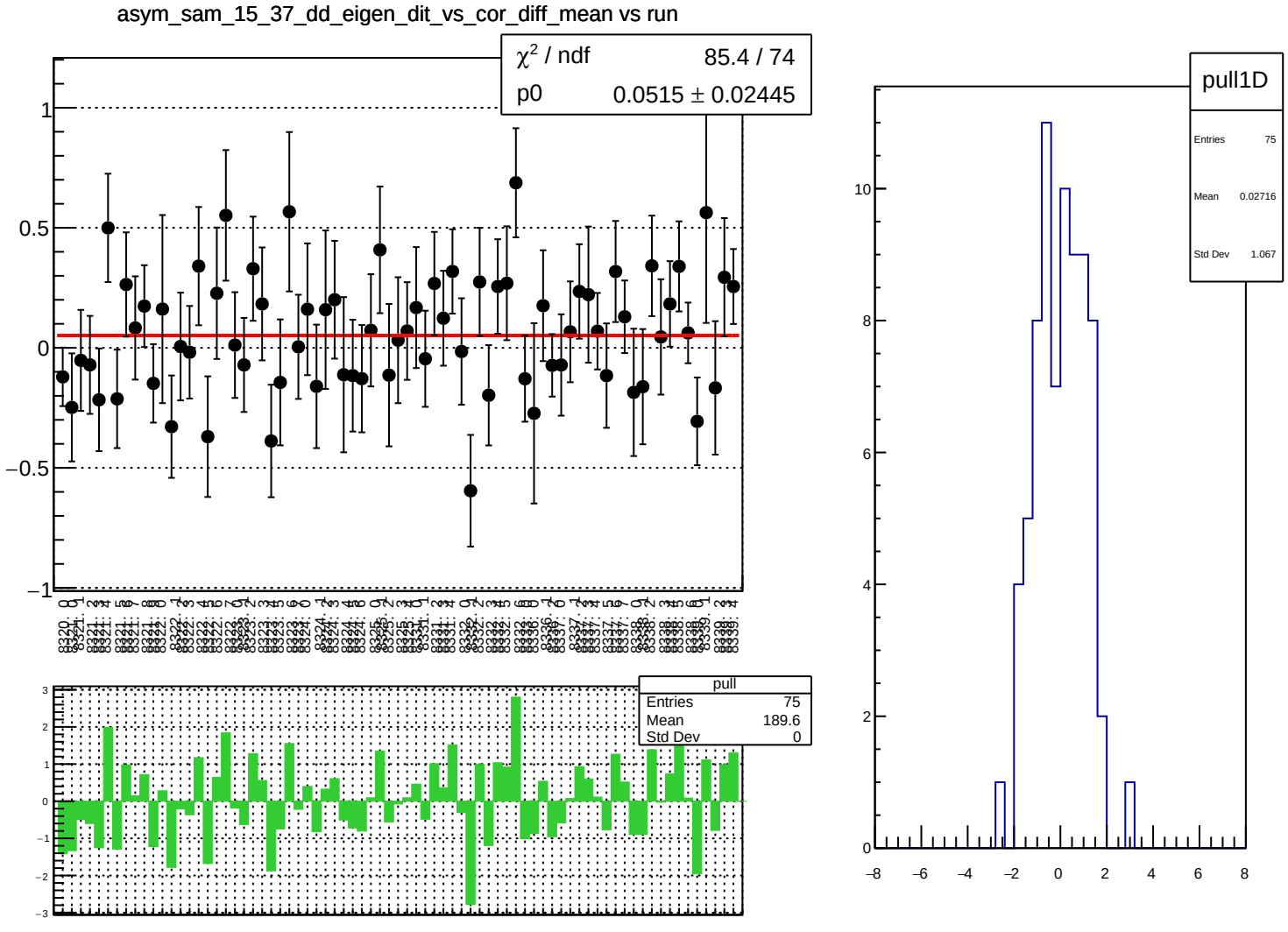

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.4 / 74
p0 0.0515 ± 0.02445
pull
Entries 75
Mean 189.7
Std Dev 0
pull1D
Entries 75
Mean 0.02715
Std Dev 1.067

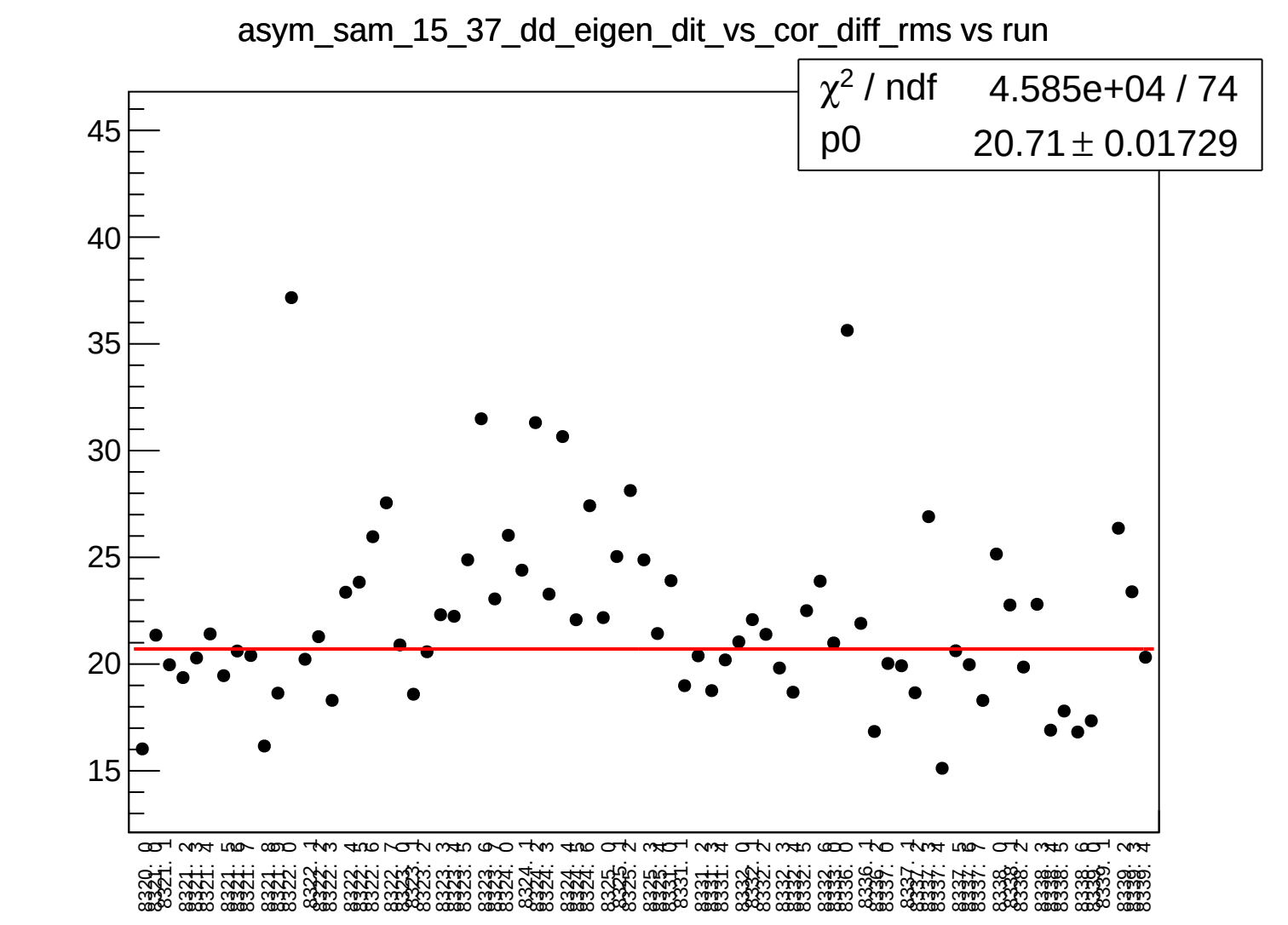

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.585e+04 / 74
p0 20.71 ± 0.01729
45
40
35
30
25
20
15

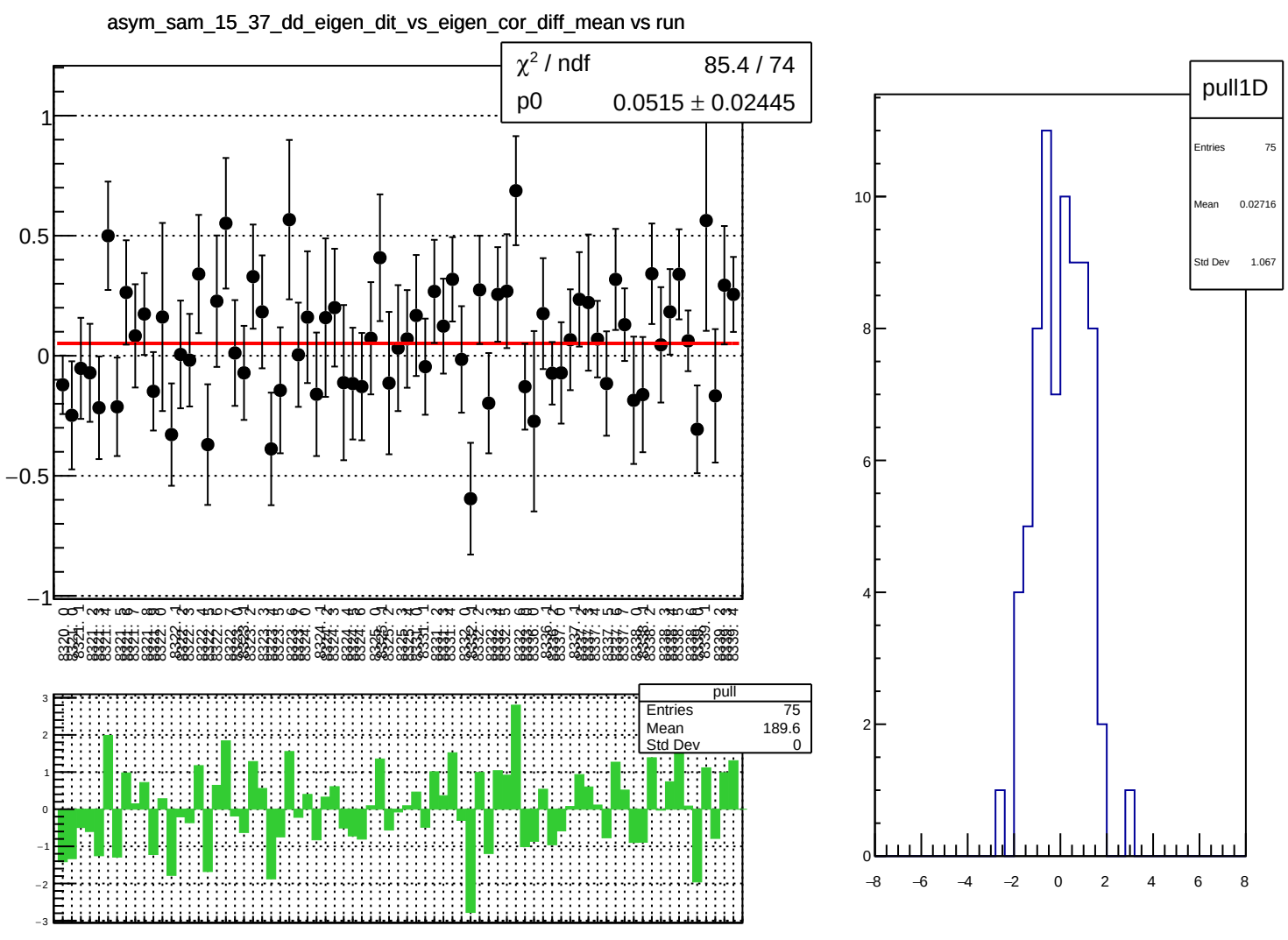

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 90.01 / 74
p0 1.55e−06 ± 1.865e−06
pull
Entries 75
Mean −61.08
Std Dev 0

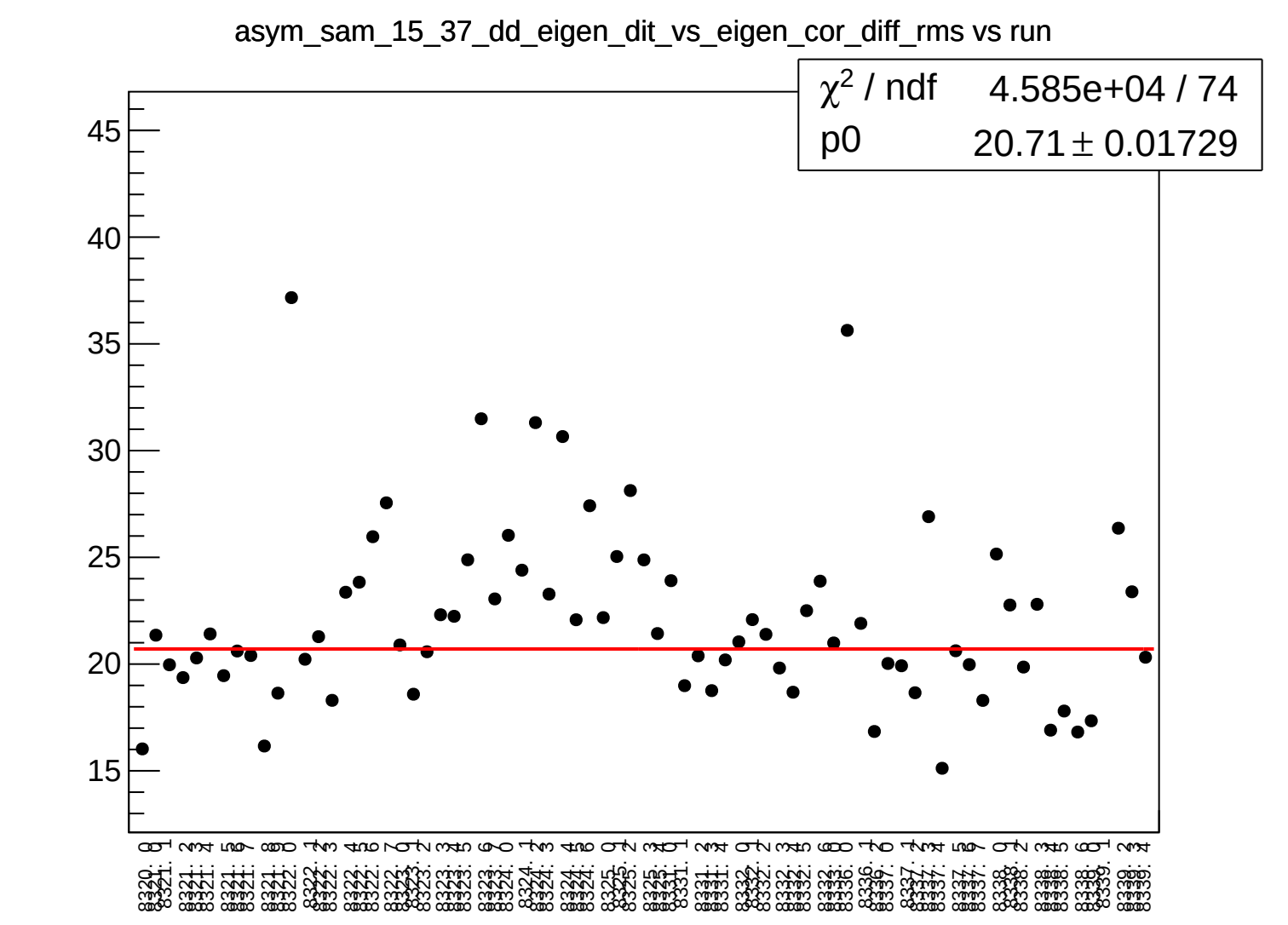

pull1D
Entries 75
Mean −0.01225
Std Dev 1.095

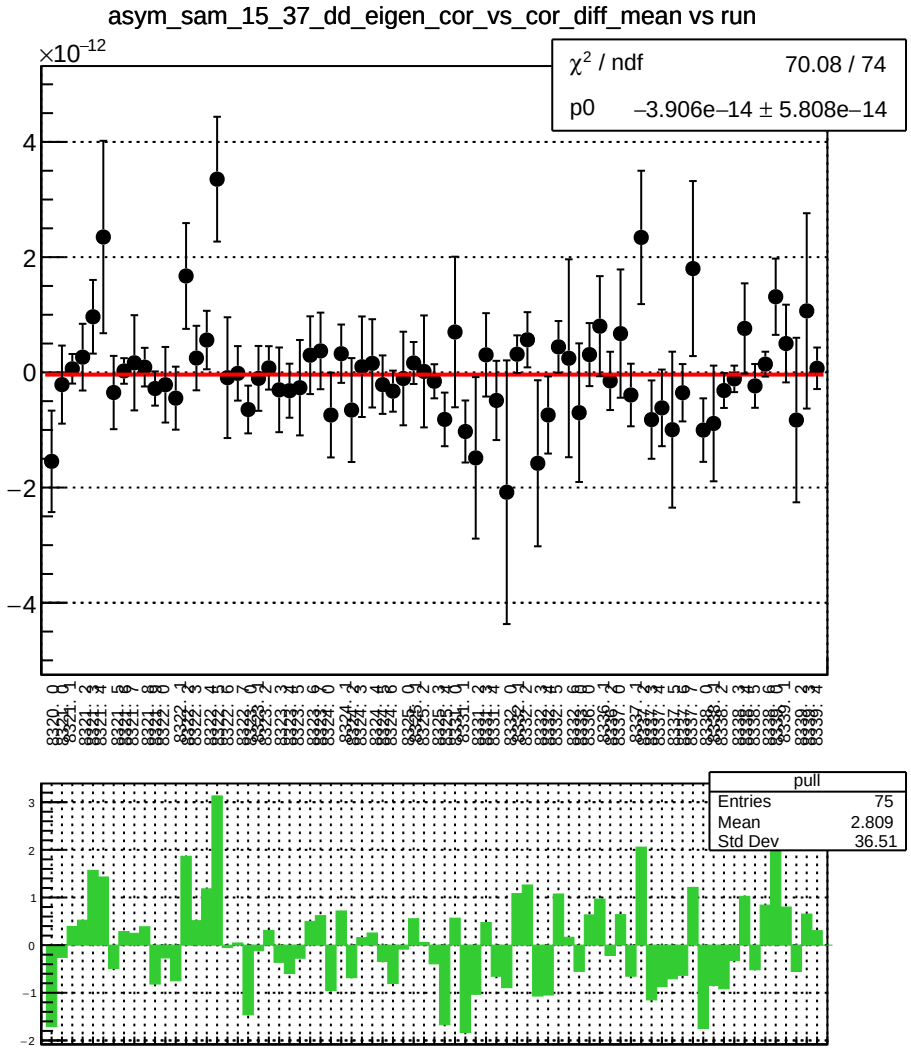

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3924 / 74
p0 0.001602 ± 1.318e−06
0.00185
0.0018
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014

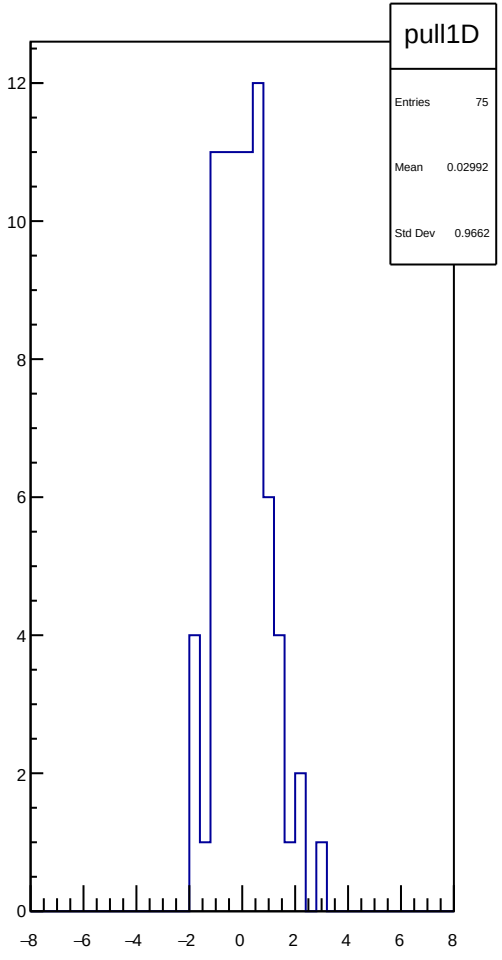

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.4 / 74
p0 0.0515 ± 0.02445
pull
Entries 75
Mean 189.6
Std Dev 0
pull1D
Entries 75
Mean 0.02716
Std Dev 1.067

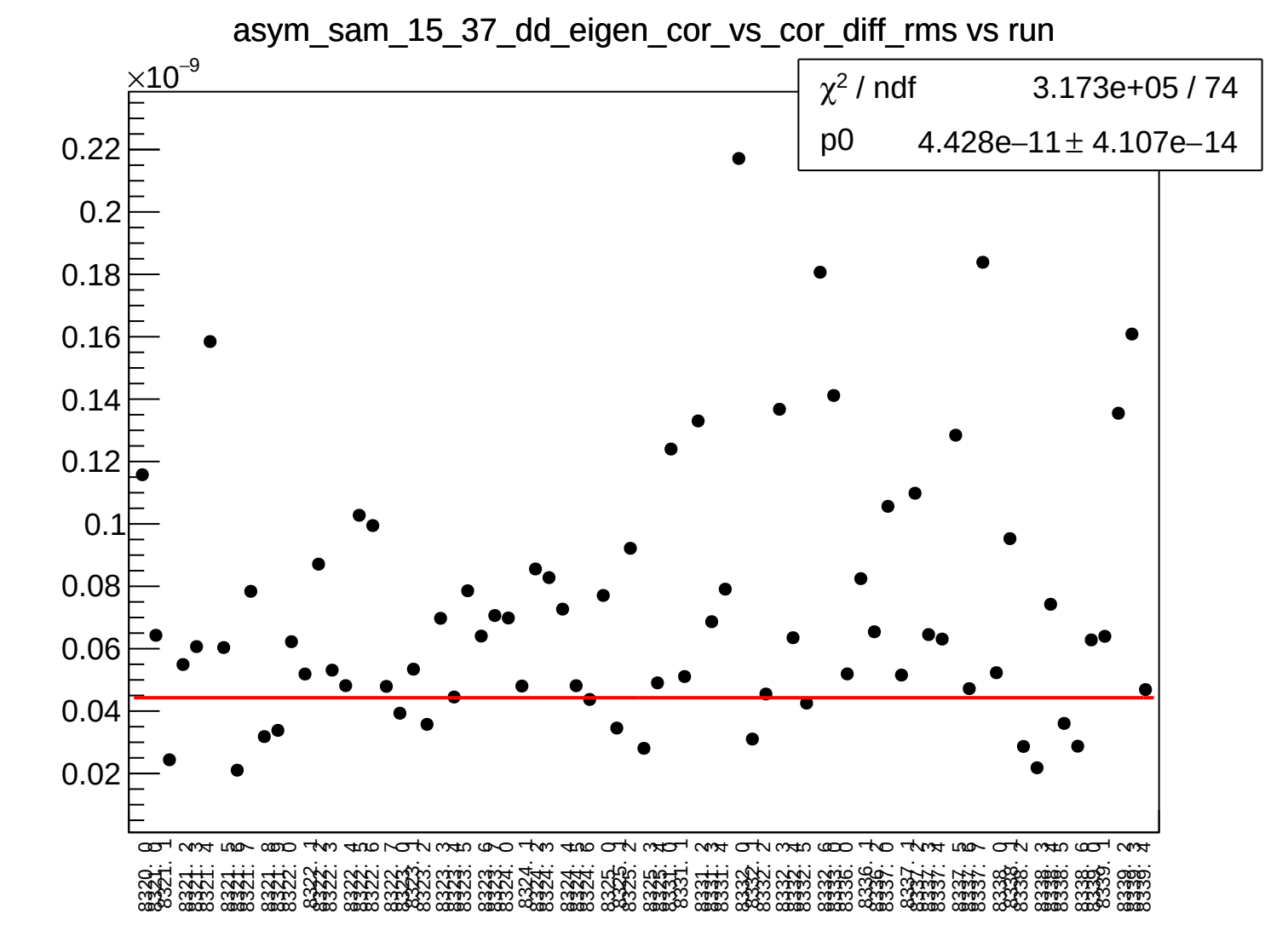

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.585e+04 / 74
p0 20.71 ± 0.01729
45
40
35
30
25
20
15

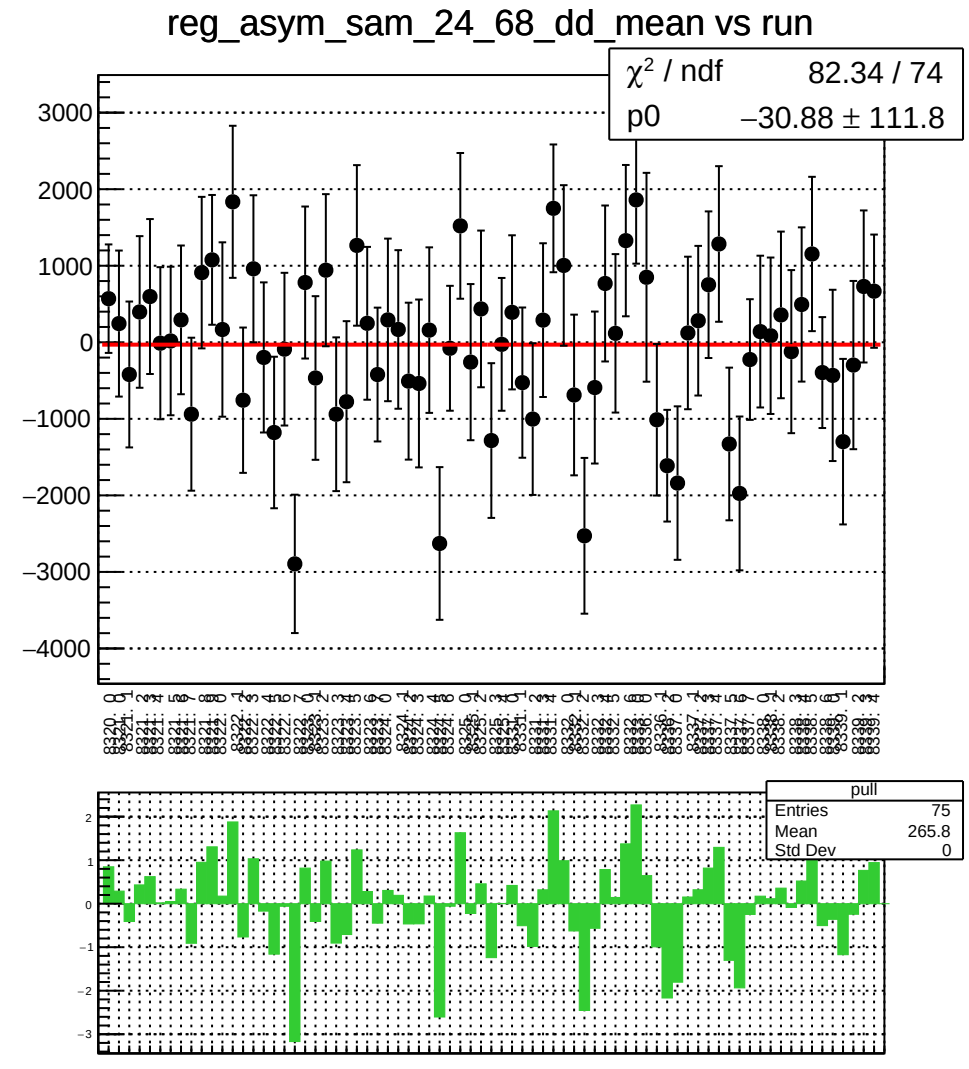

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.4 / 74
p0 0.0515 ± 0.02445
pull
Entries 75
Mean 189.6
Std Dev 0
pull1D
Entries 75
Mean 0.02716
Std Dev 1.067

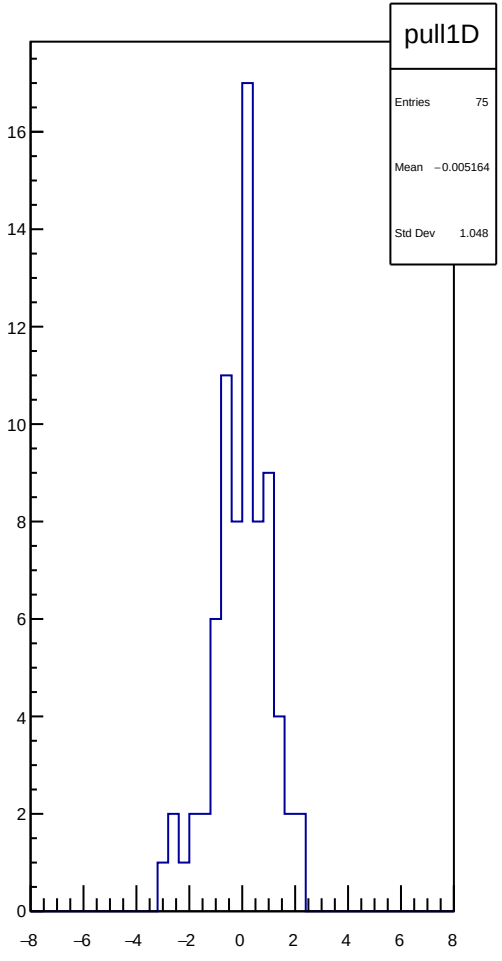

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.585e+04 / 74
p0 20.71 ± 0.01729
45
40
35
30
25
20
15

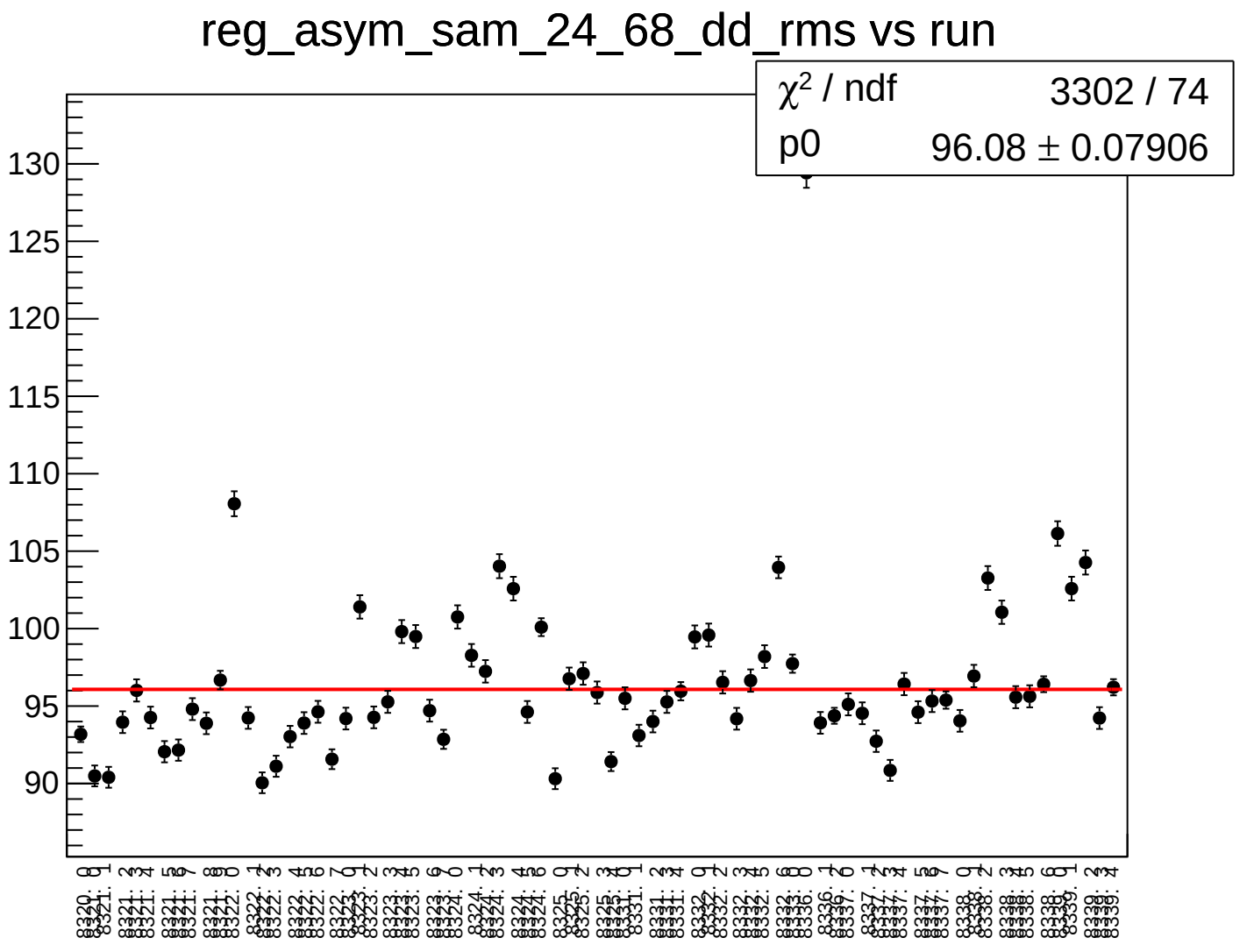

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 70.08 / 74
p0 −3.906e−14 ± 5.808e−14
pull
Entries 75
Mean 2.809
Std Dev 36.51

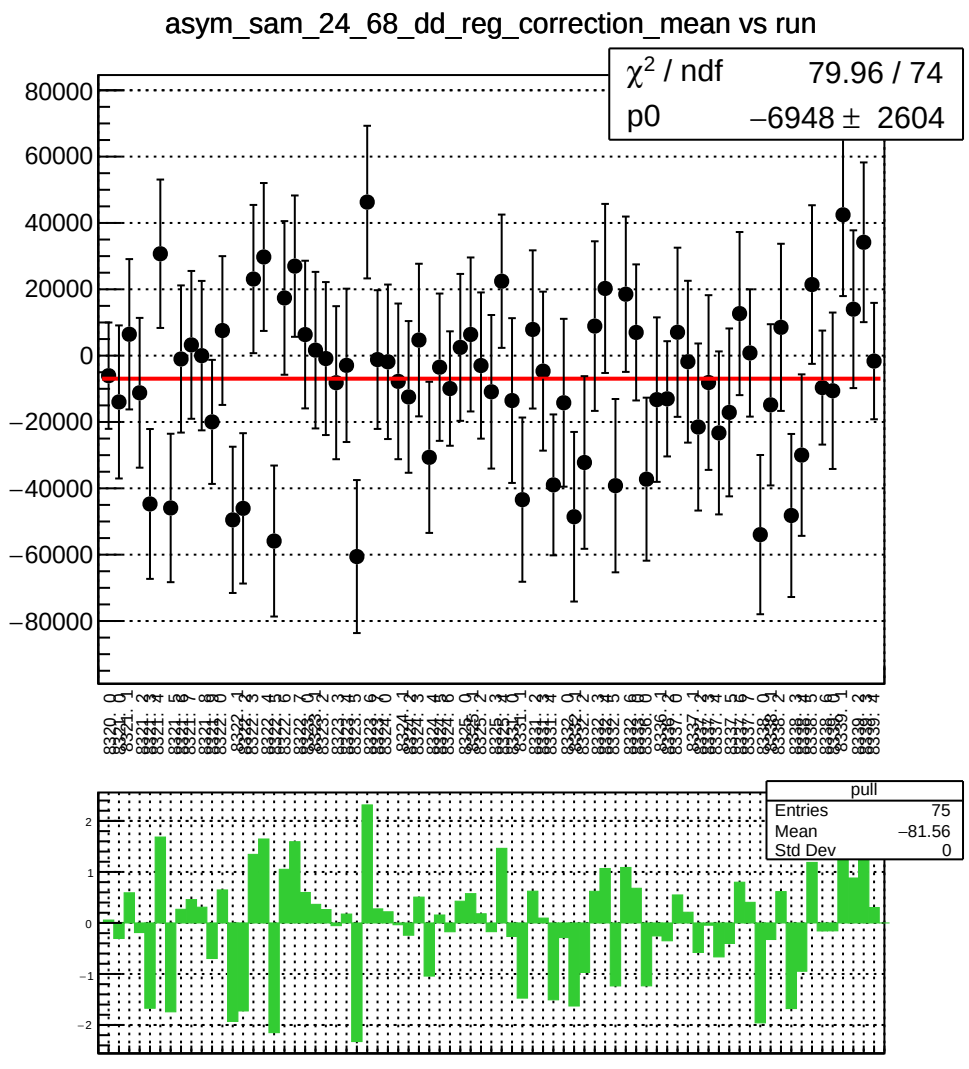

pull1D
Entries 75
Mean 0.02992
Std Dev 0.9662

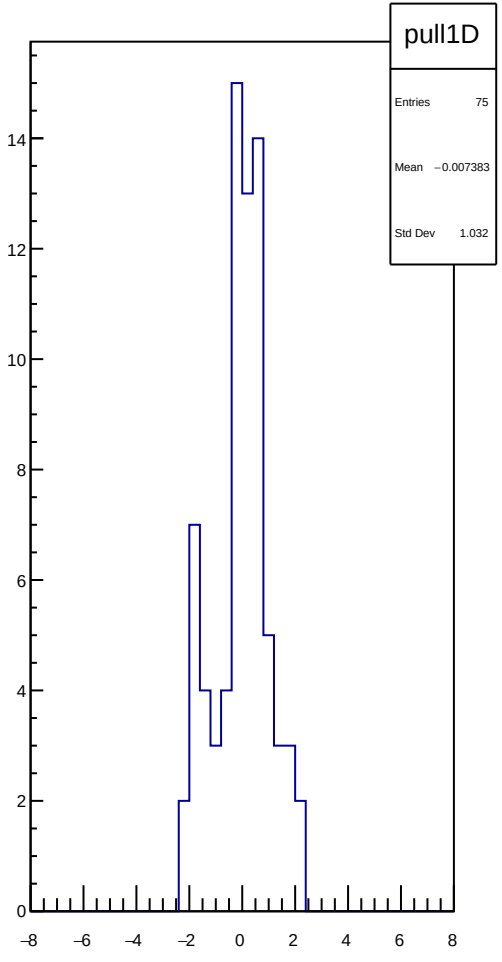

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.173e+05 / 74
p0 4.428e−11 ± 4.107e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

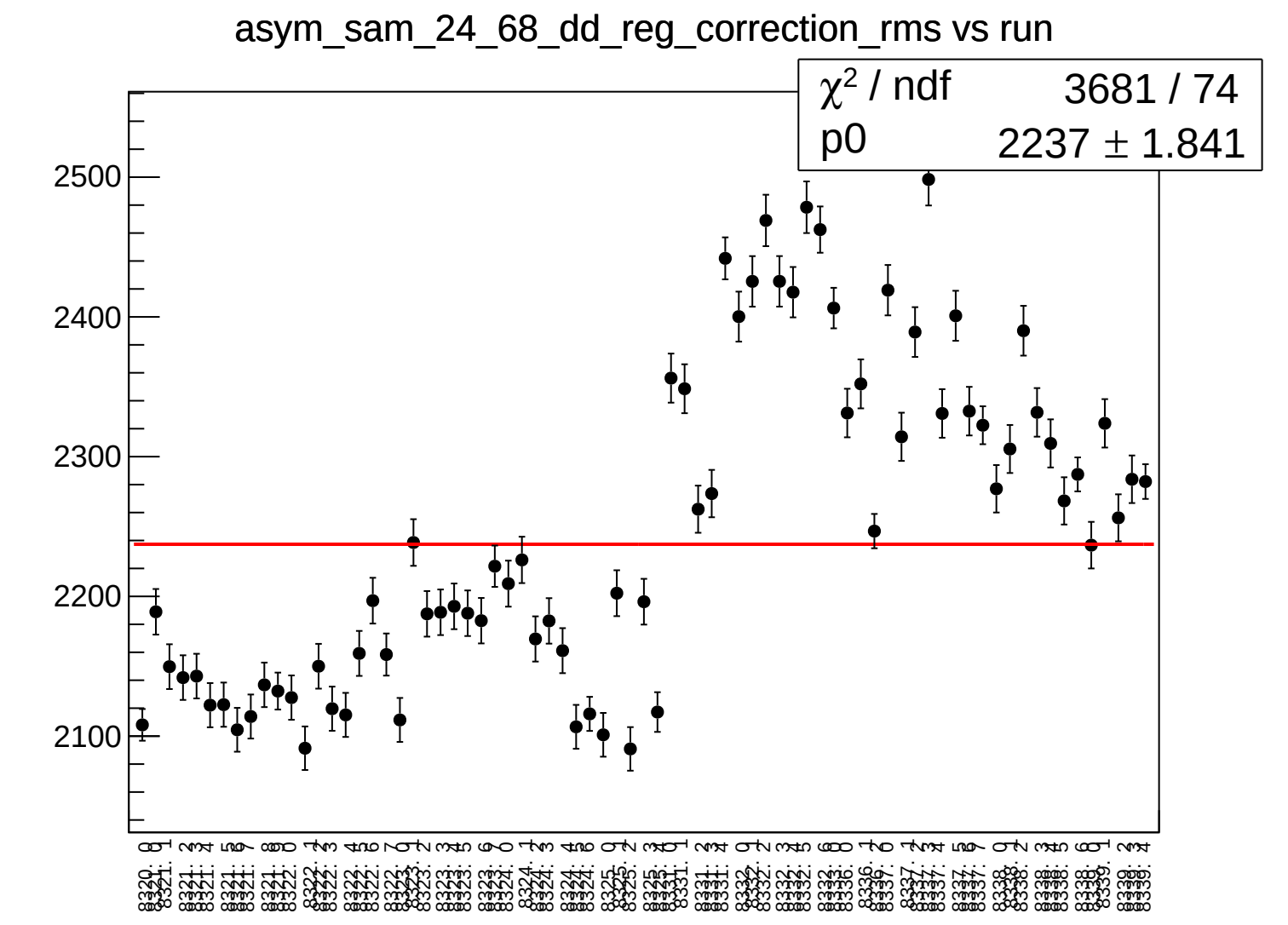

reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 82.34 / 74
p0 −30.88 ± 111.8
pull
Entries 75
Mean 265.8
Std Dev 0

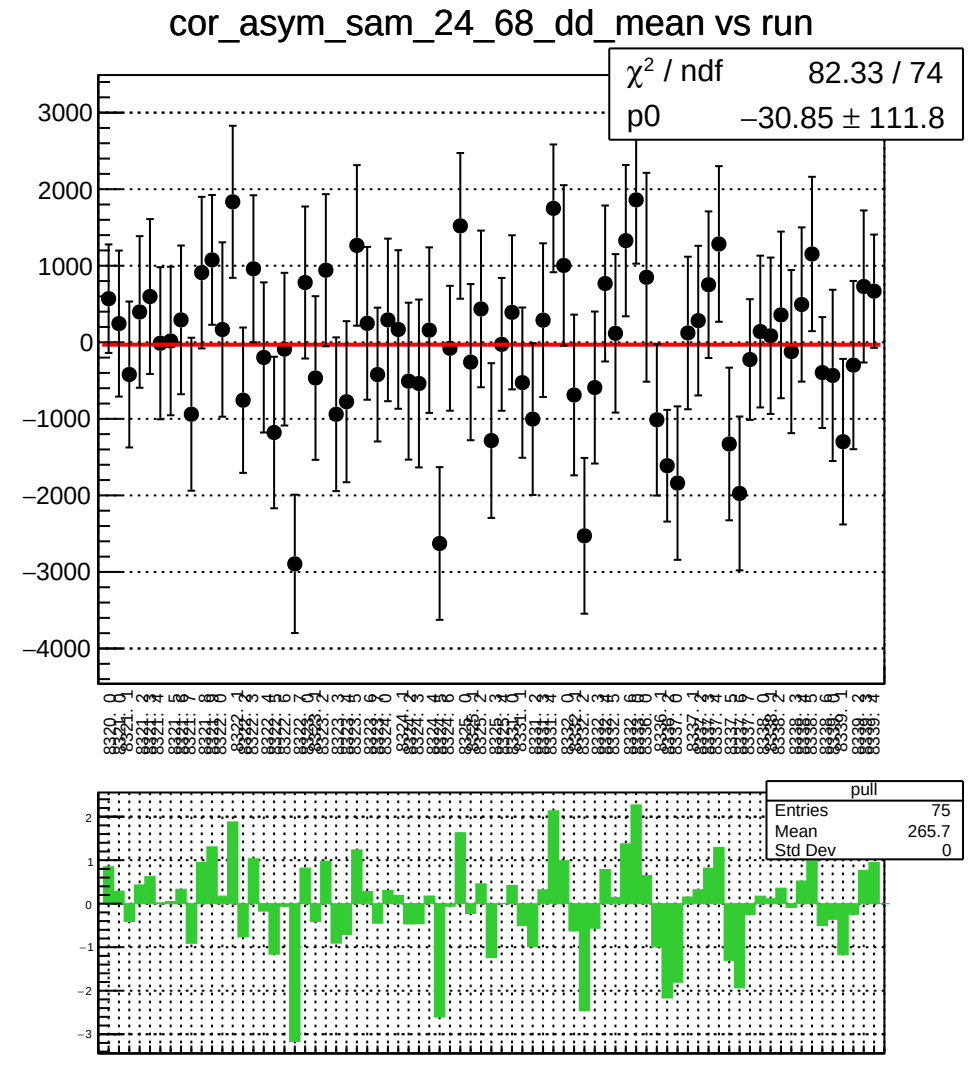

pull1D
Entries 75
Mean −0.005164
Std Dev 1.048

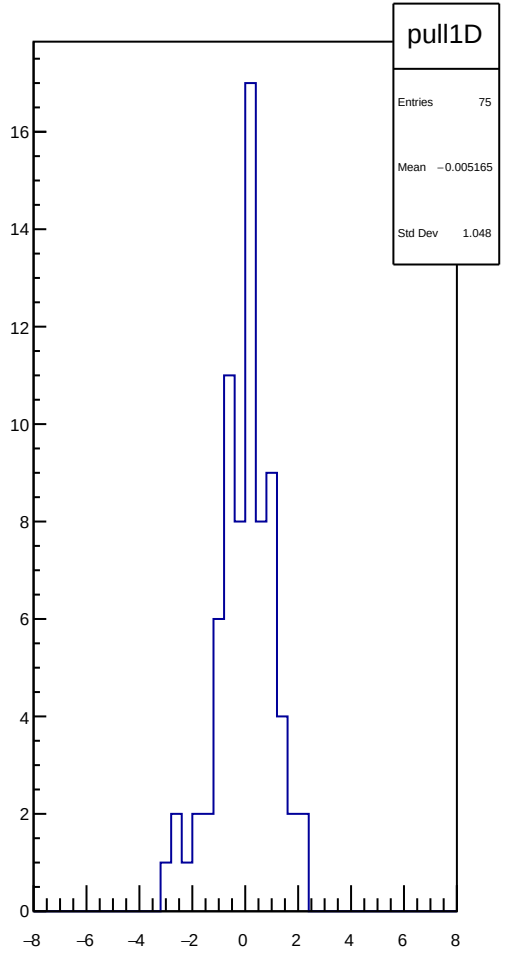

reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 3302 / 74
p0 96.08 ± 0.07906
130
125
120
115
110
105
100
95
90

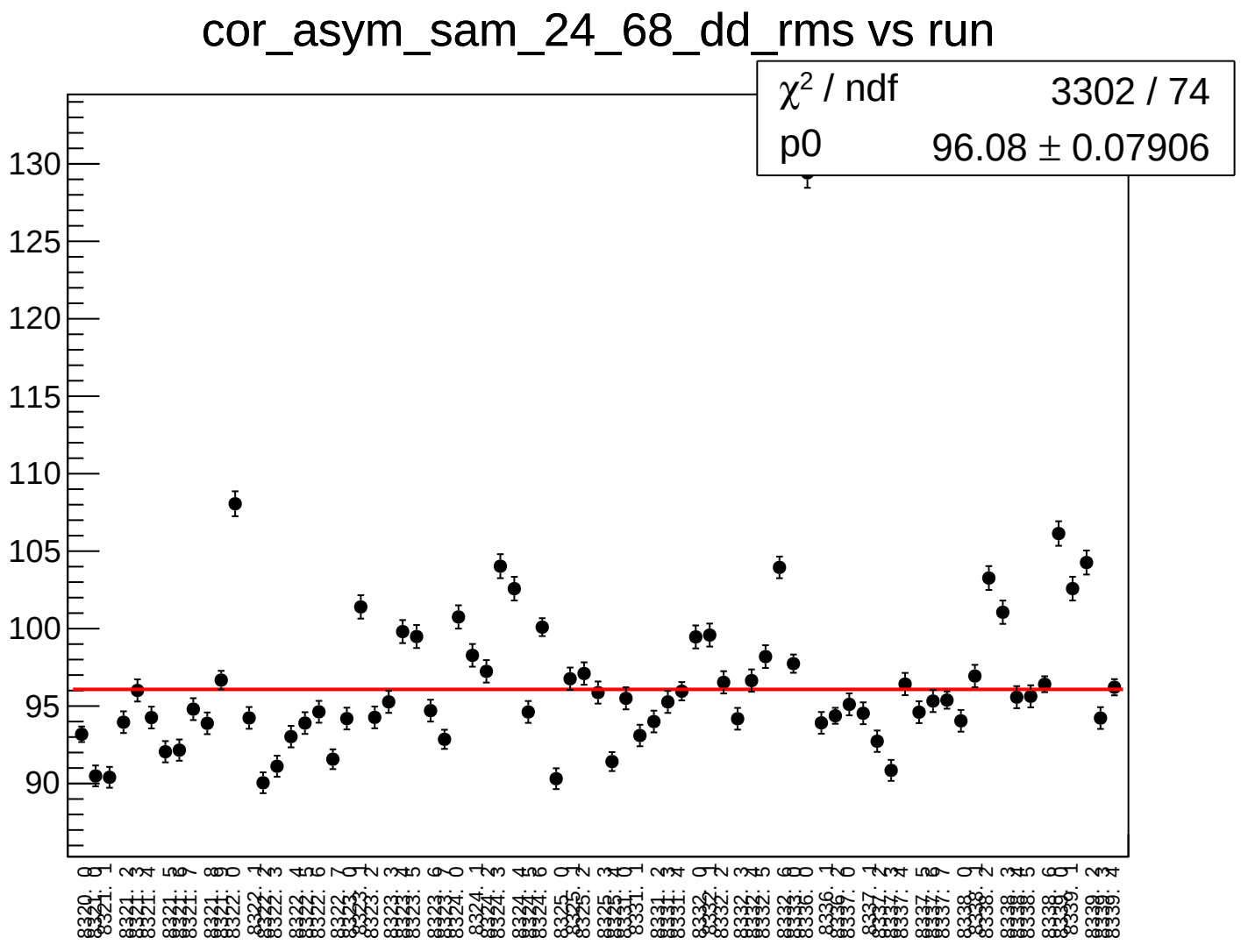

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 79.96 / 74
p0 −6948 ± 2604
pull
Entries 75
Mean −81.56
Std Dev 0

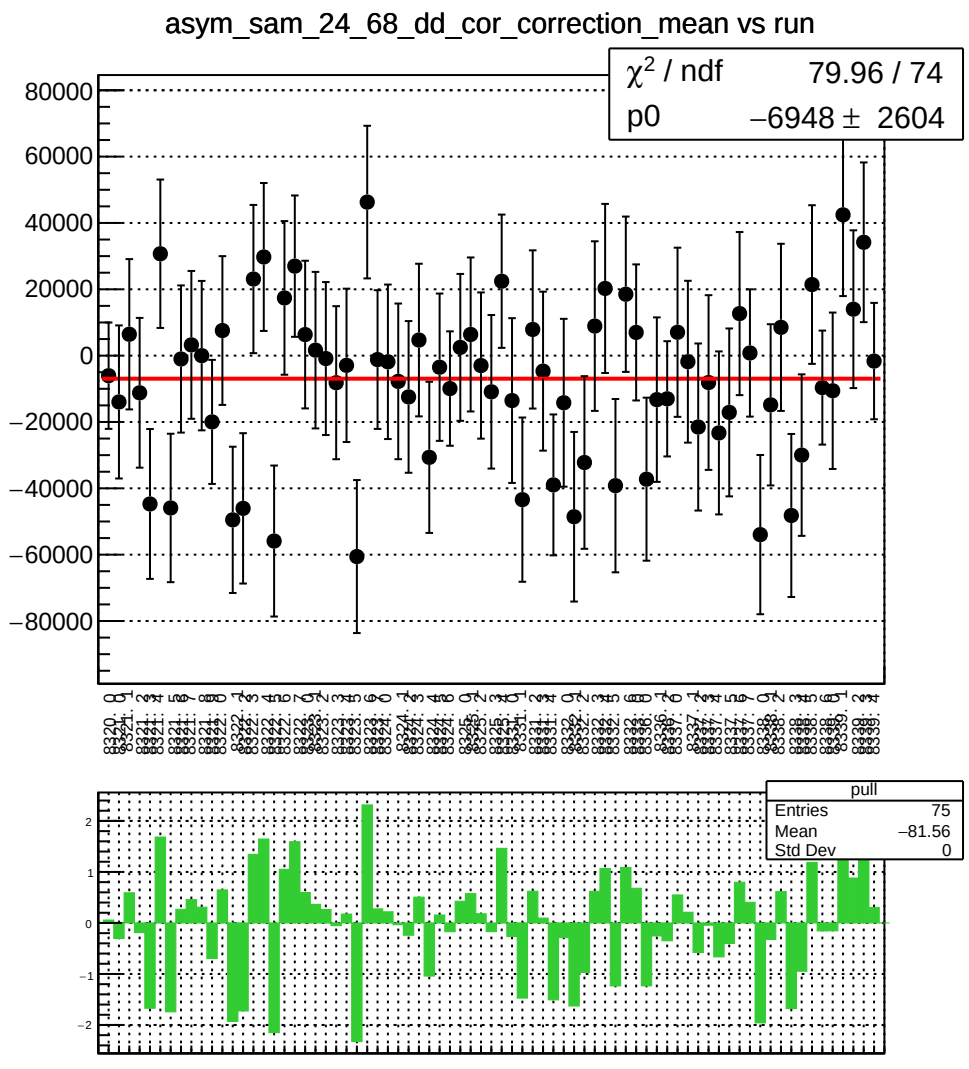

pull1D
Entries 75
Mean −0.007383
Std Dev 1.032

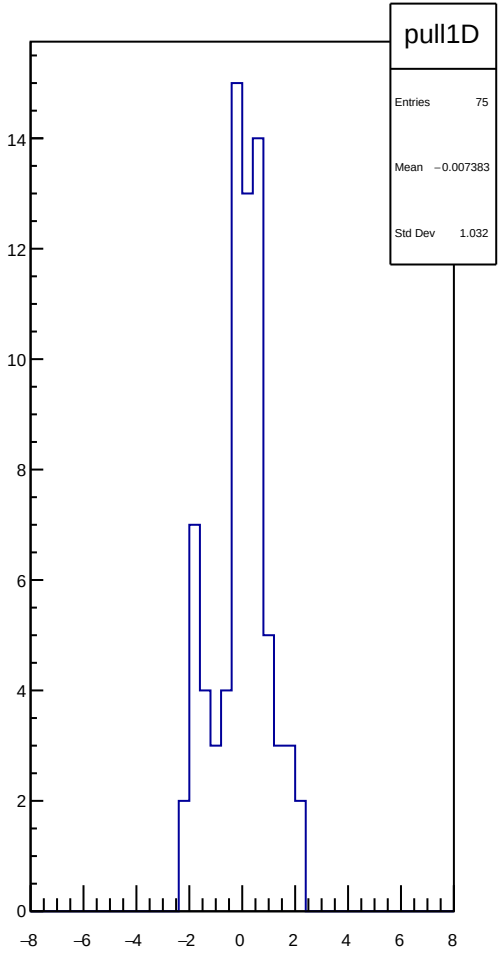

asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3681 / 74
p0 2237 ± 1.841
2500
2400
2300
2200
2100

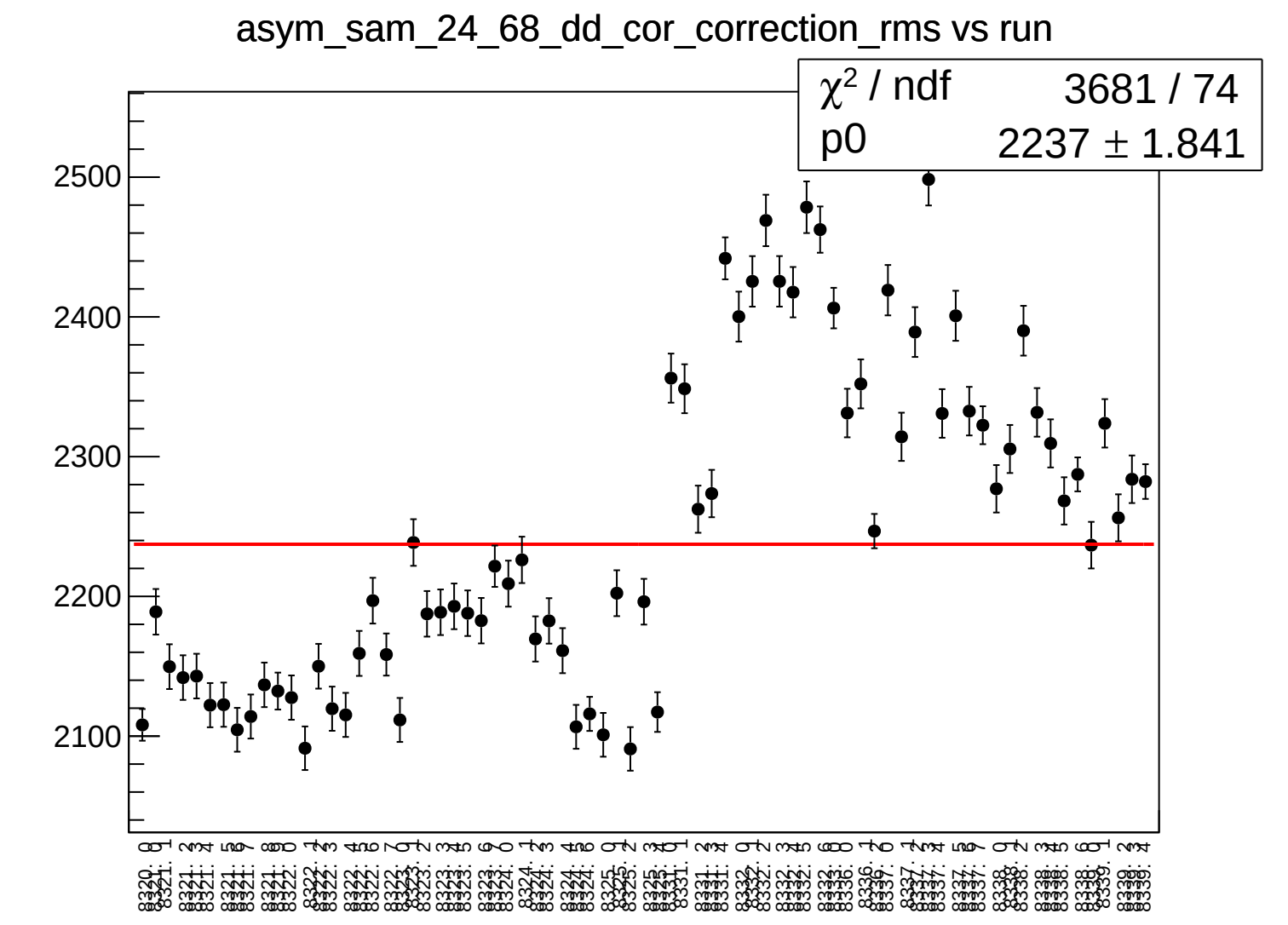

cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 82.33 / 74
p0 −30.85 ± 111.8
pull
Entries 75
Mean 265.7
Std Dev 0

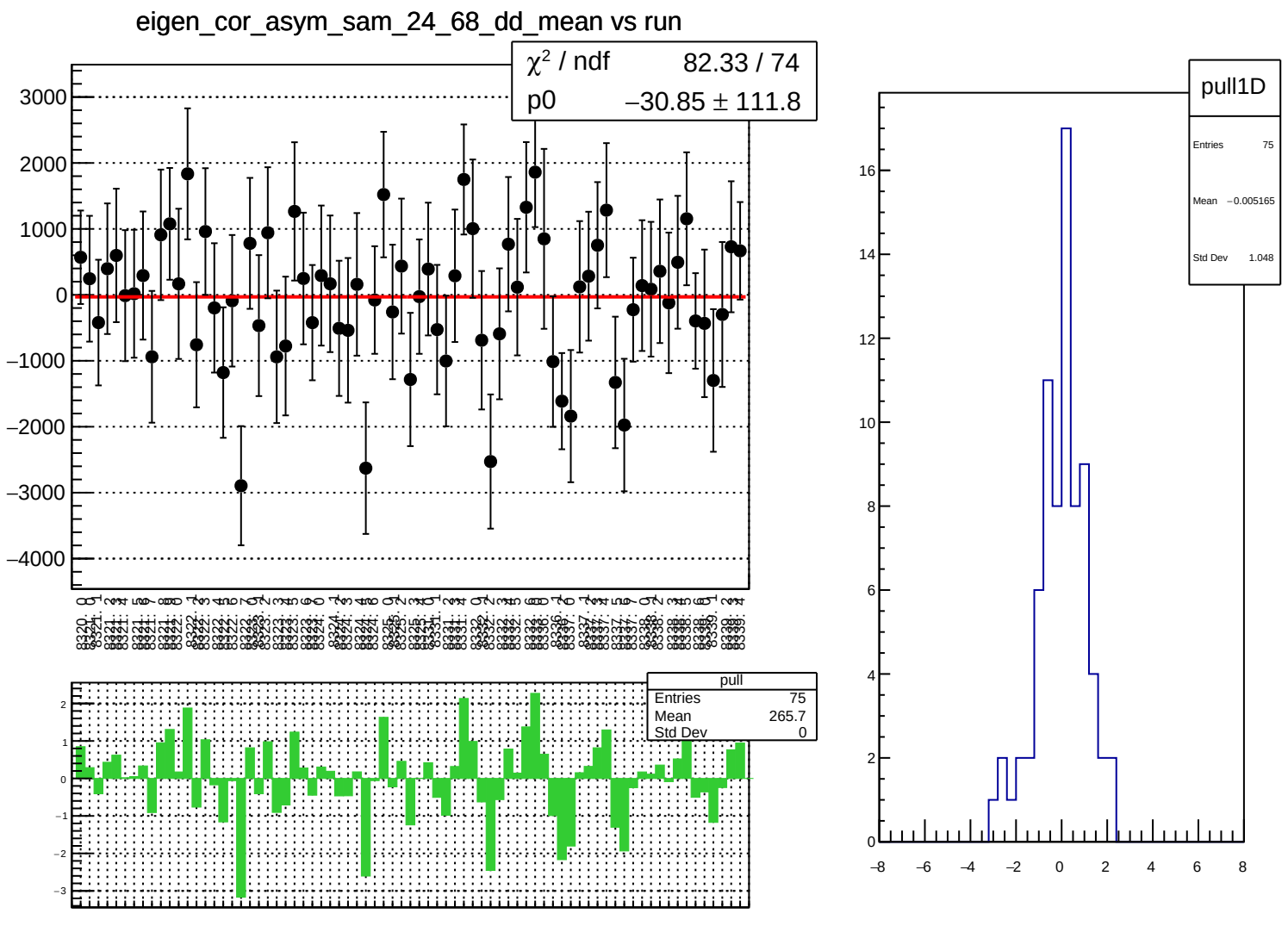

pull1D
Entries 75
Mean −0.005165
Std Dev 1.048

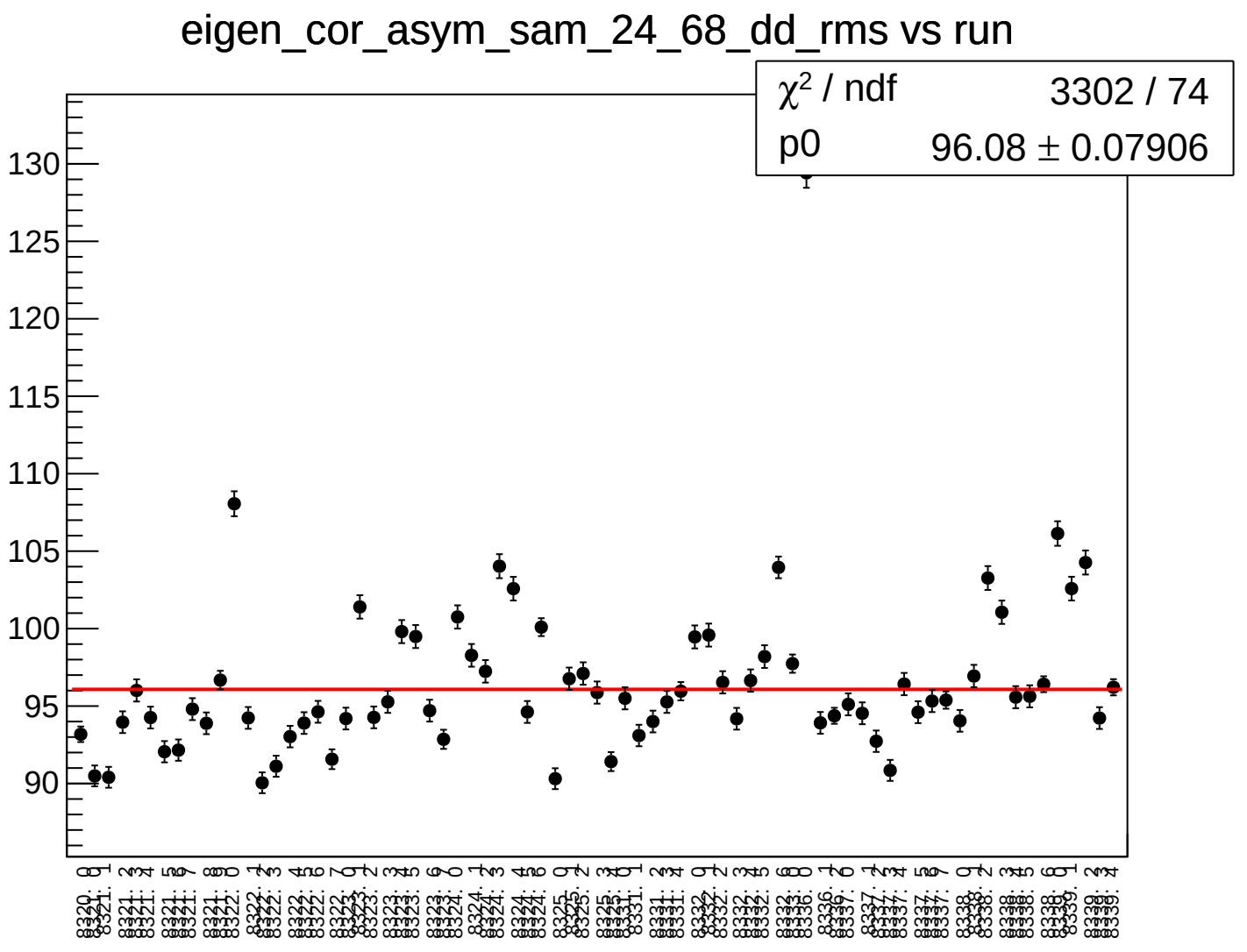

cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 3302 / 74
p0 96.08 ± 0.07906
130
125
120
115
110
105
100
95
90

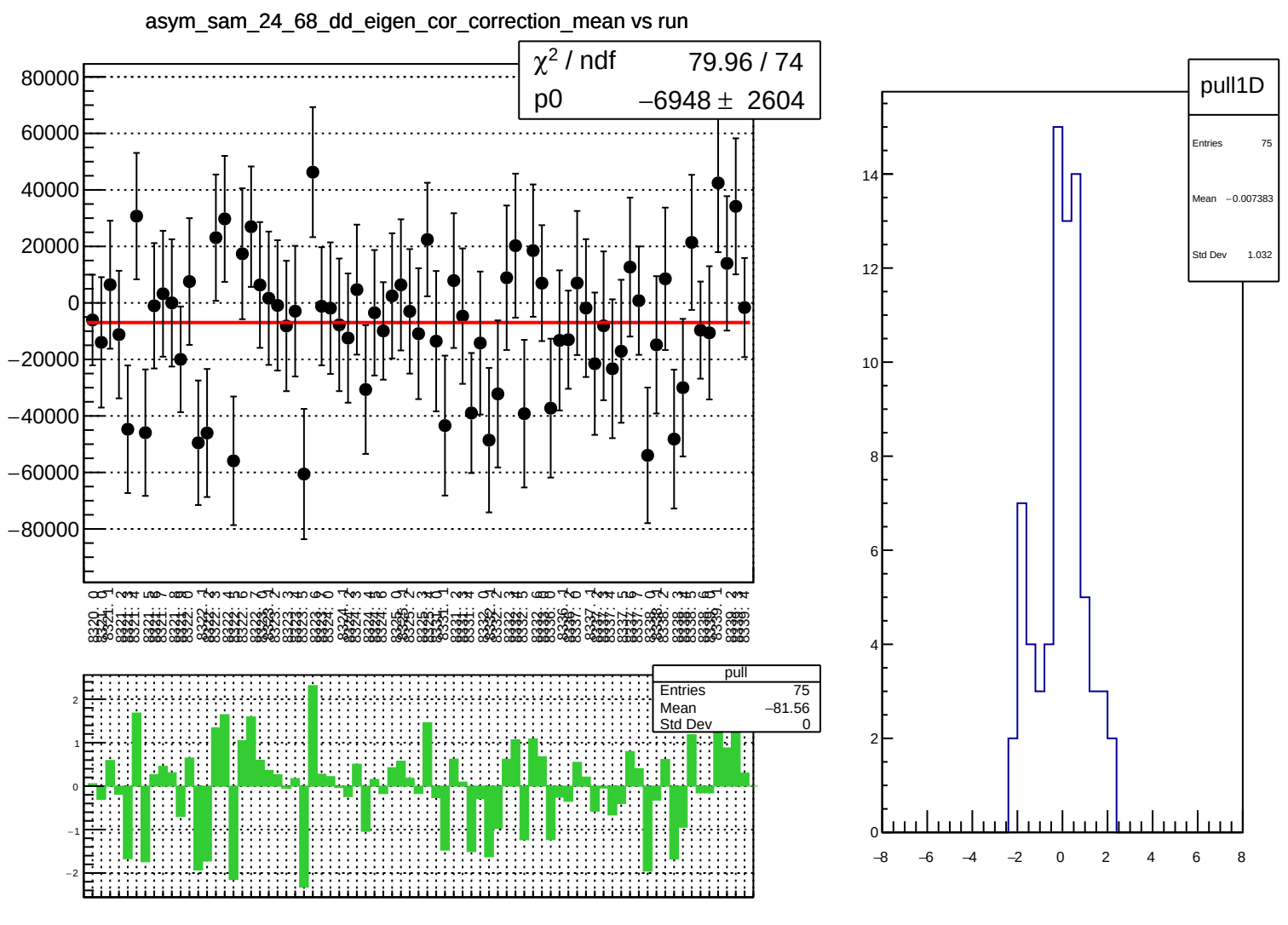

asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 79.96 / 74
p0 −6948 ± 2604
pull
Entries 75
Mean −81.56
Std Dev 0

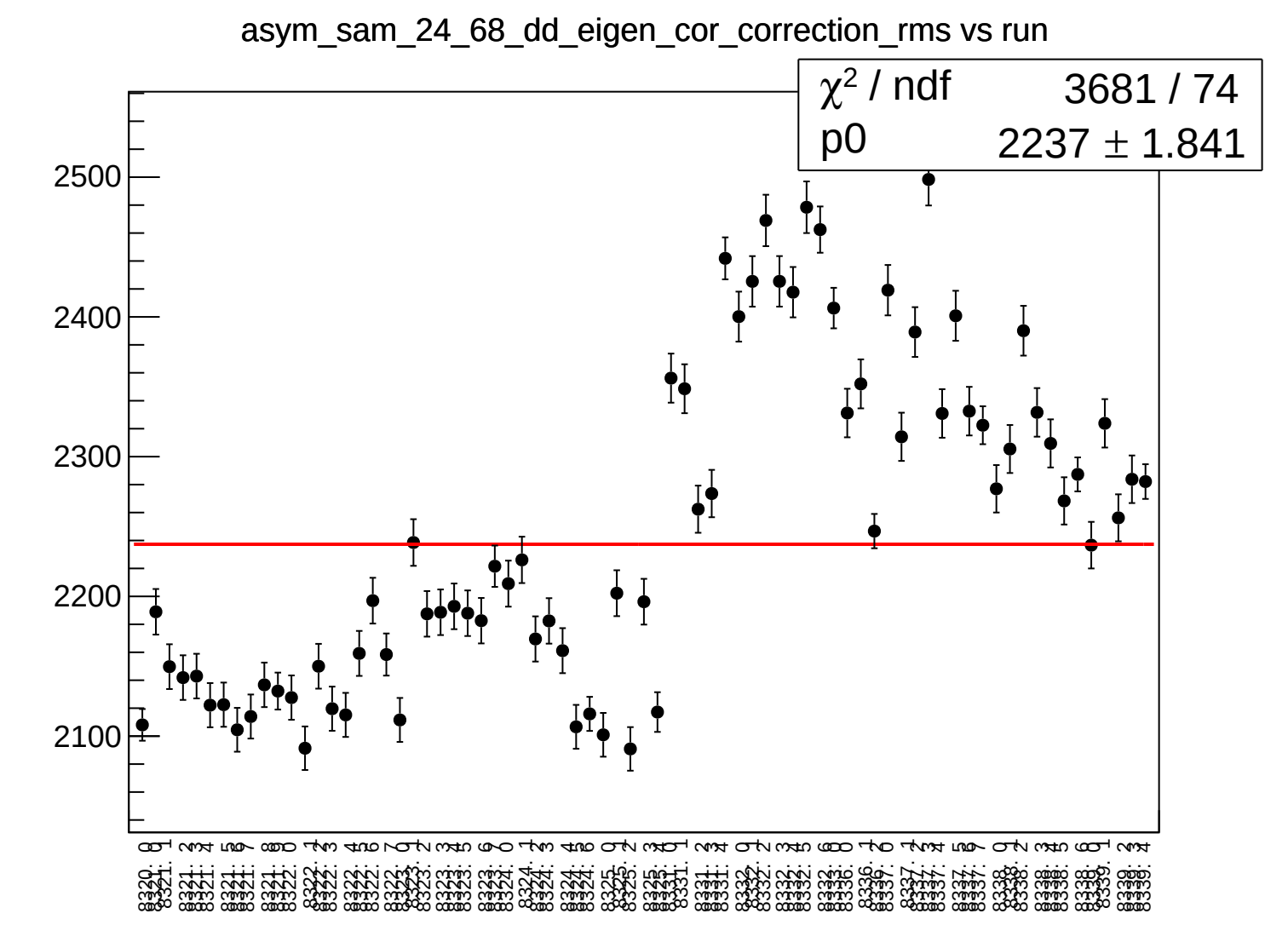

pull1D
Entries 75
Mean −0.007383
Std Dev 1.032

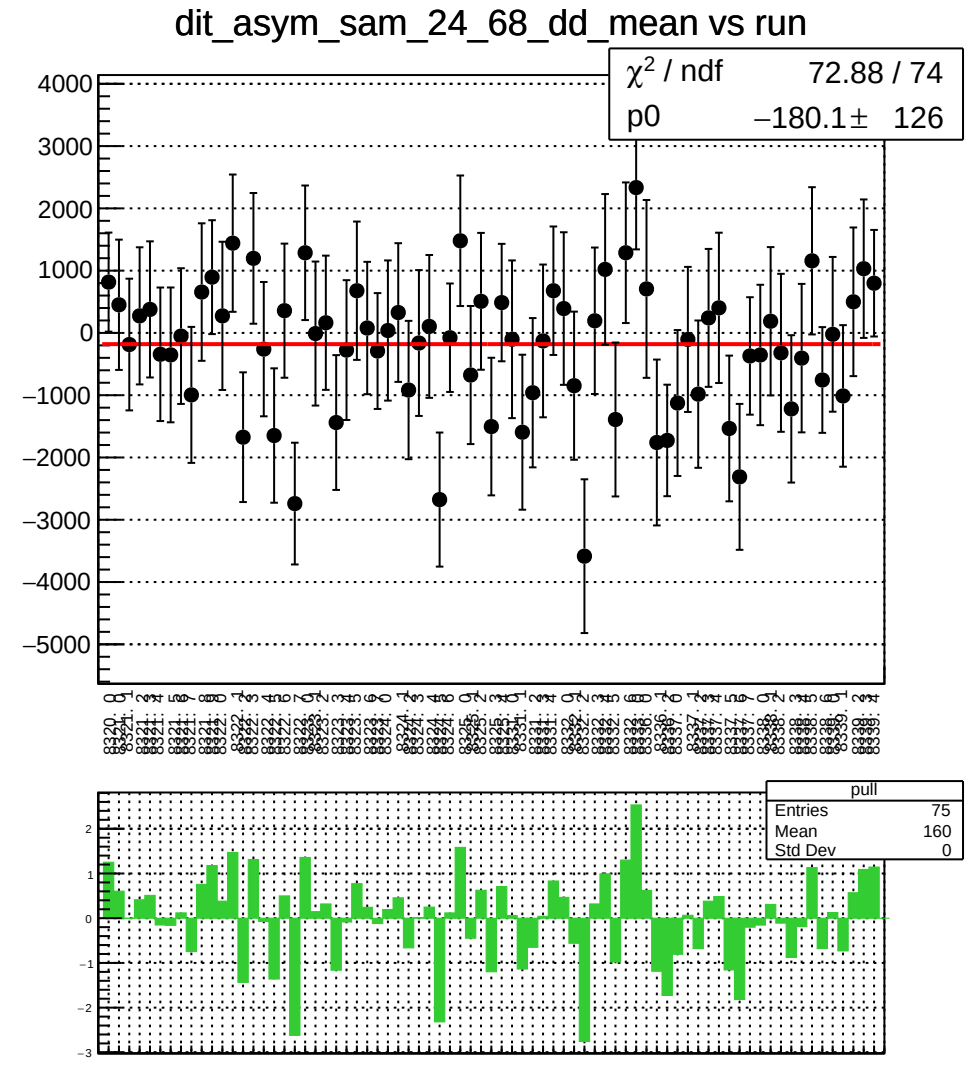

asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3681 / 74
p0 2237 ± 1.841
2500
2400
2300
2200
2100

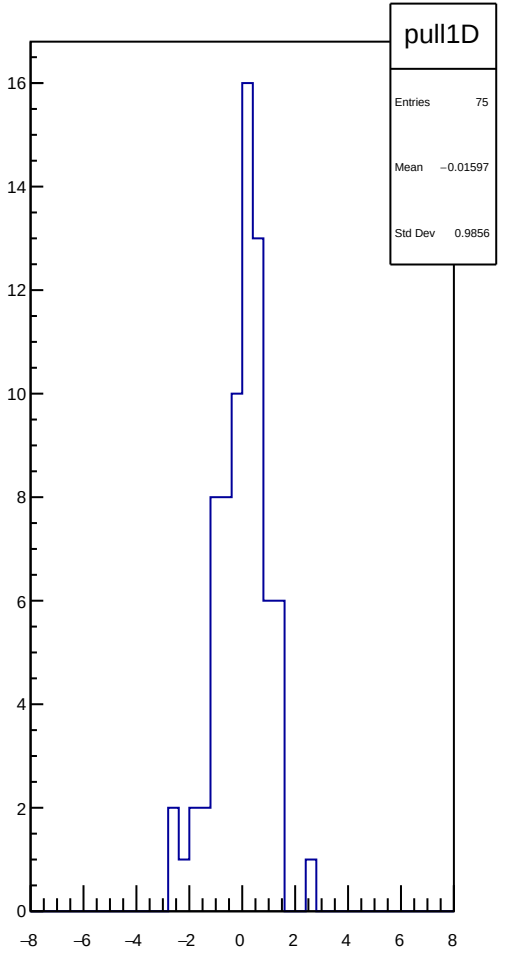

eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 82.33 / 74
p0 −30.85 ± 111.8
pull
Entries 75
Mean 265.7
Std Dev 0
pull1D
Entries 75
Mean −0.005165
Std Dev 1.048

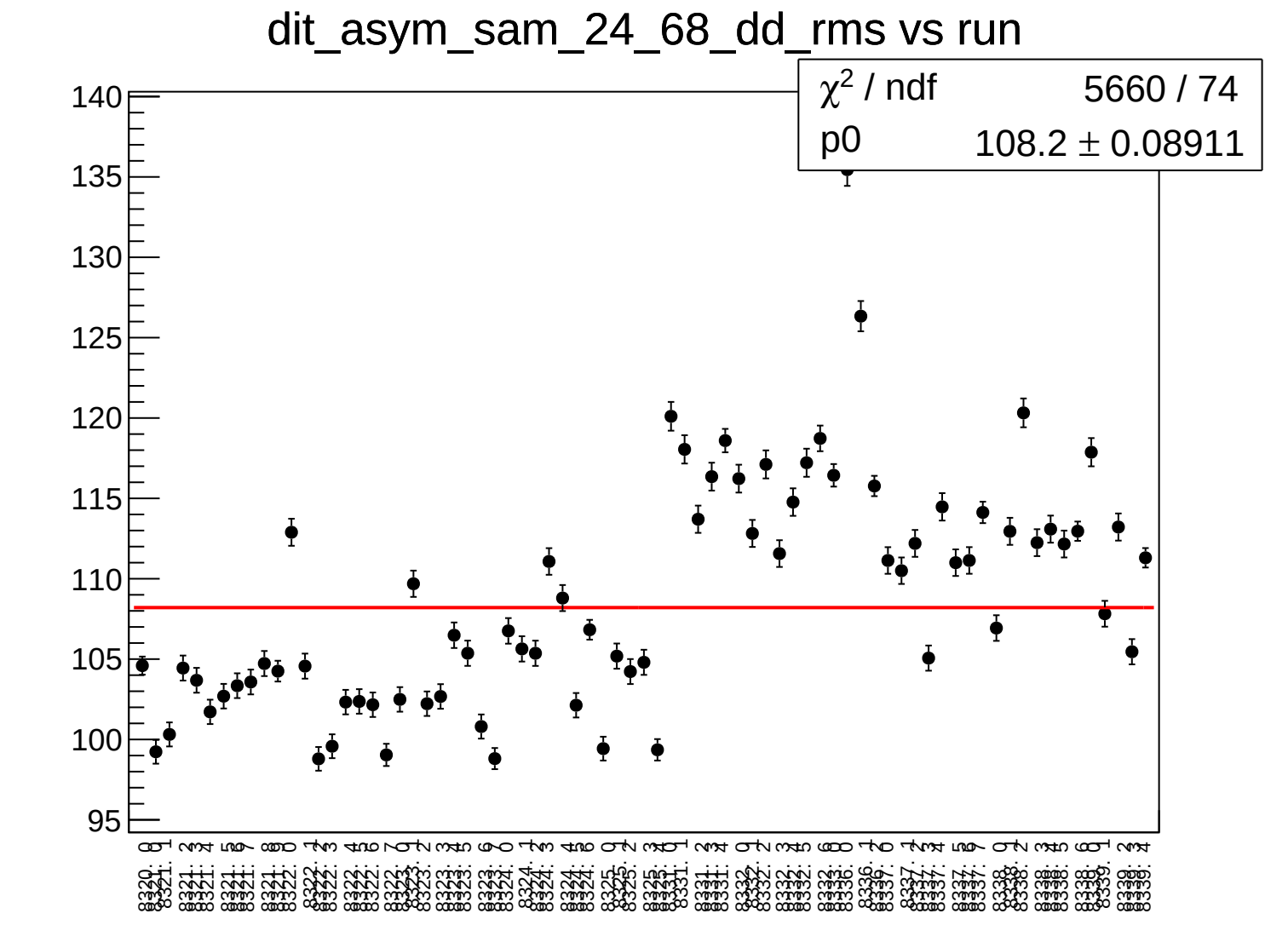

eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 3302 / 74
p0 96.08 ± 0.07906
130
125
120
115
110
105
100
95
90

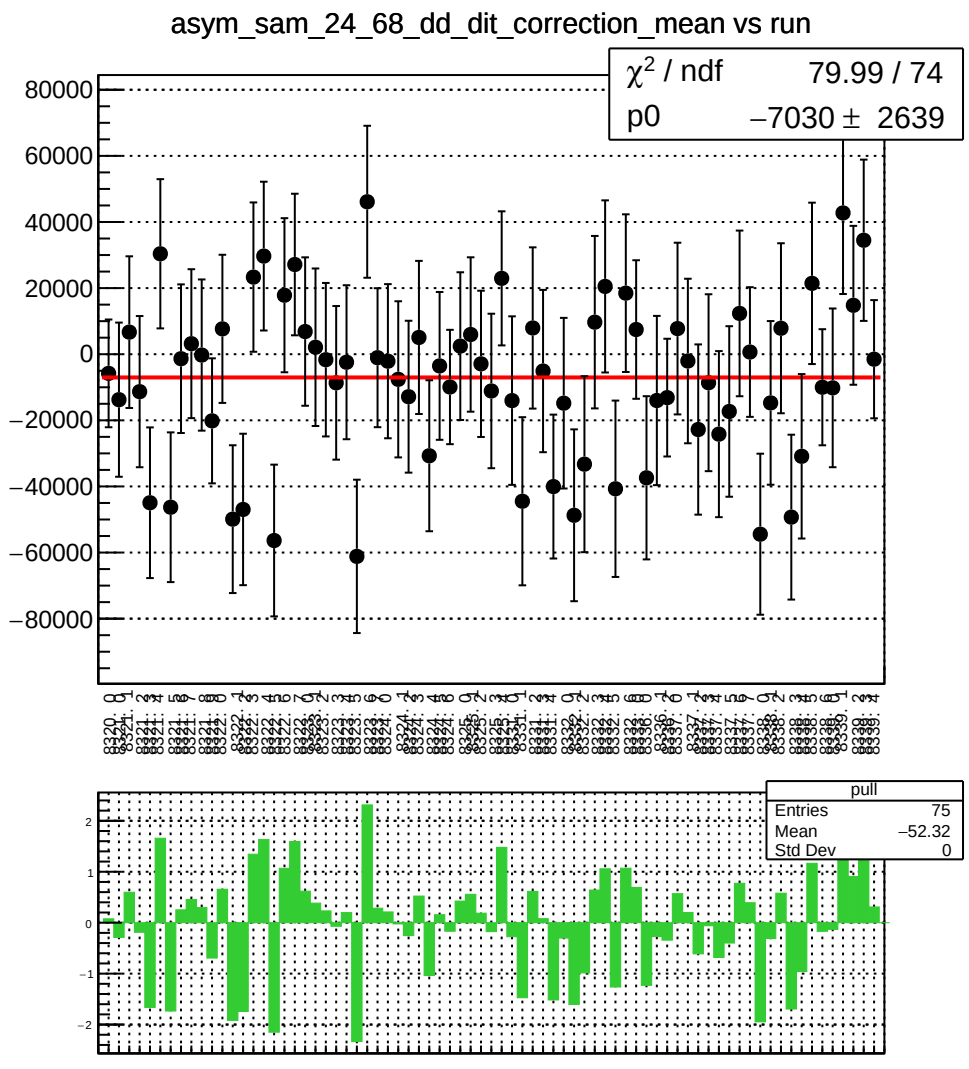

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 79.96 / 74
p0 −6948 ± 2604
pull
Entries 75
Mean −81.56
Std Dev 0
pull1D
Entries 75
Mean −0.007383
Std Dev 1.032

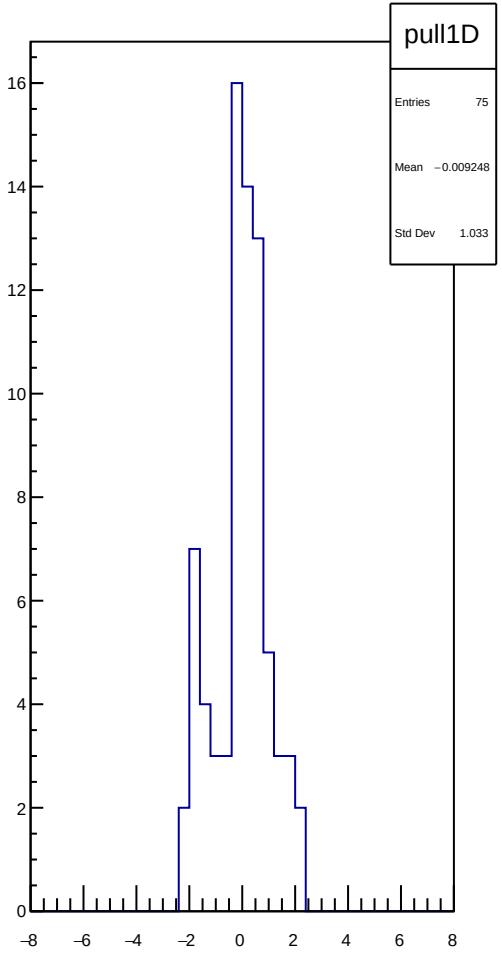

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3681 / 74
p0 2237 ± 1.841
2500
2400
2300
2200
2100

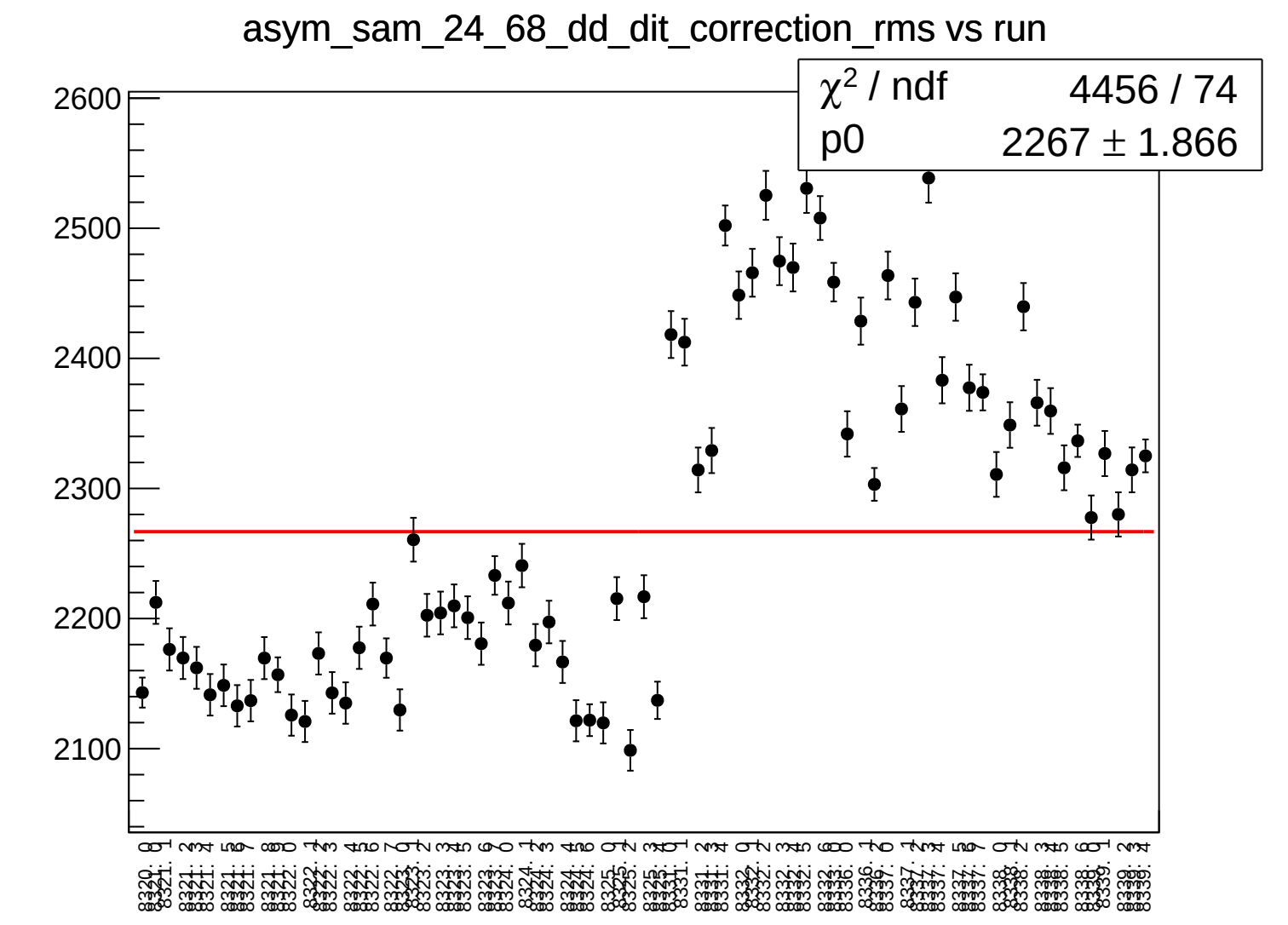

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 72.88 / 74
p0 −180.1± 126
pull
Entries 75
Mean 160
Std Dev 0

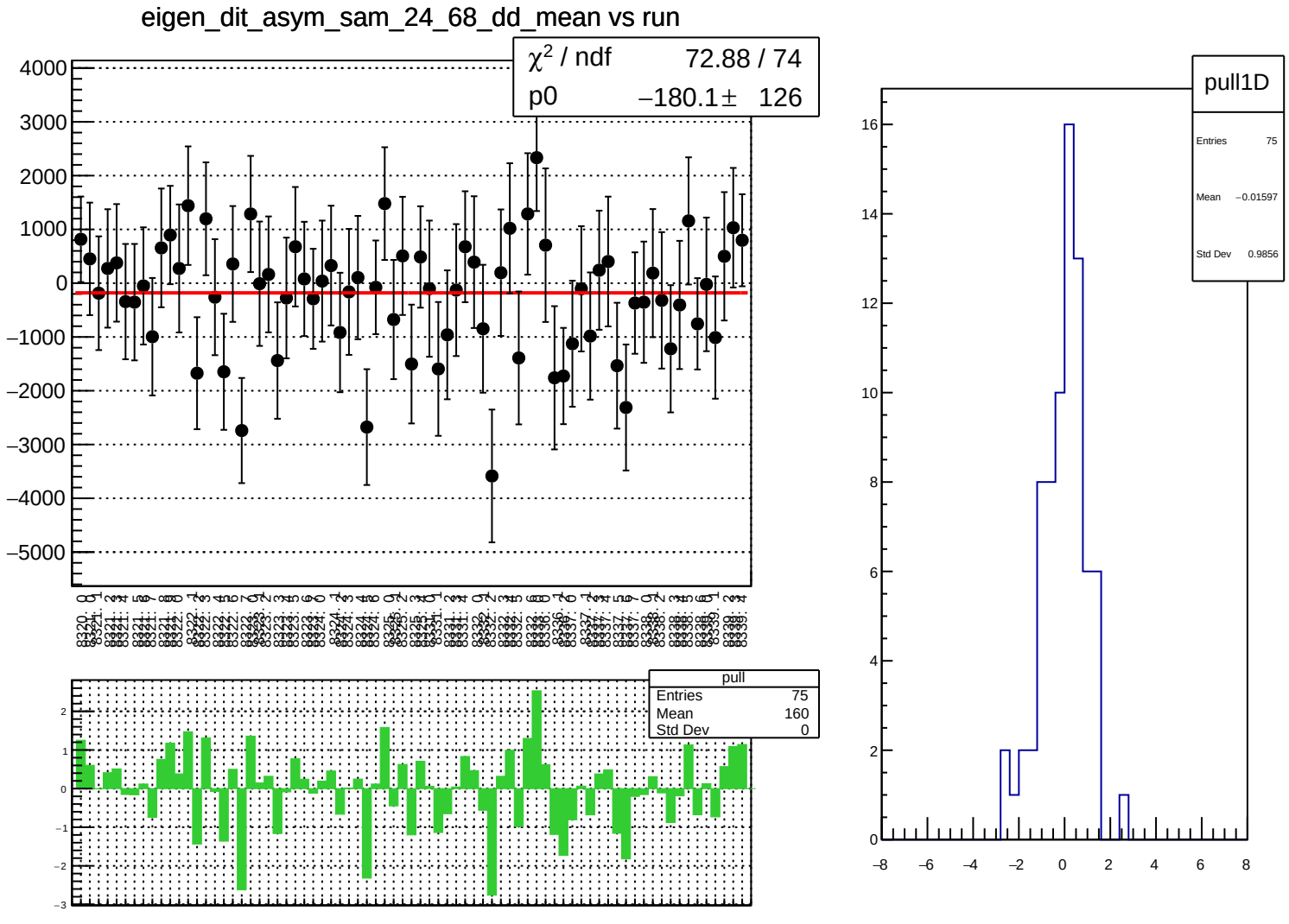

pull1D
Entries 75
Mean −0.01597
Std Dev 0.9856

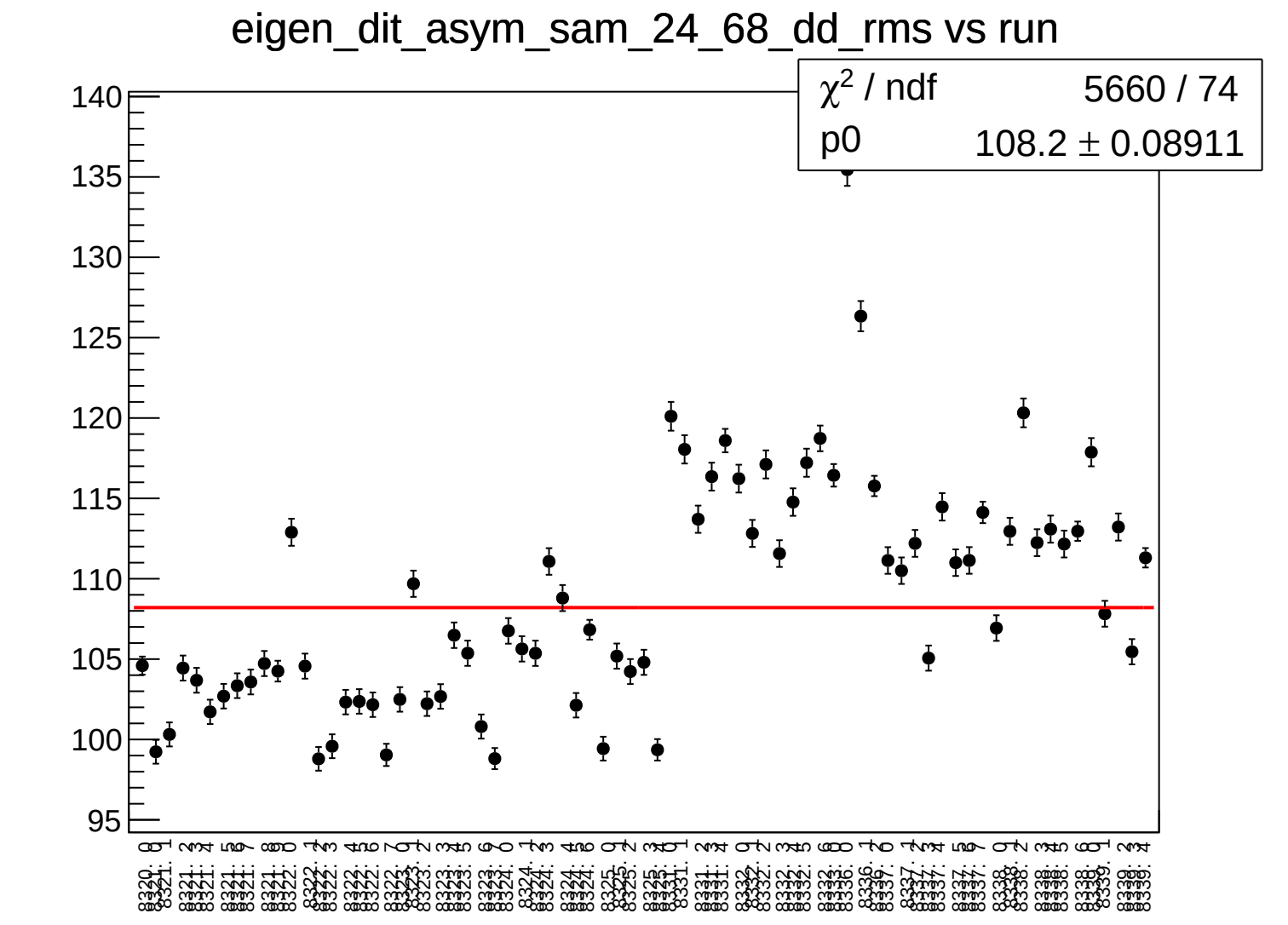

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5660 / 74
p0 108.2 ± 0.08911
140
135
130
125
120
115
110
105
100
95

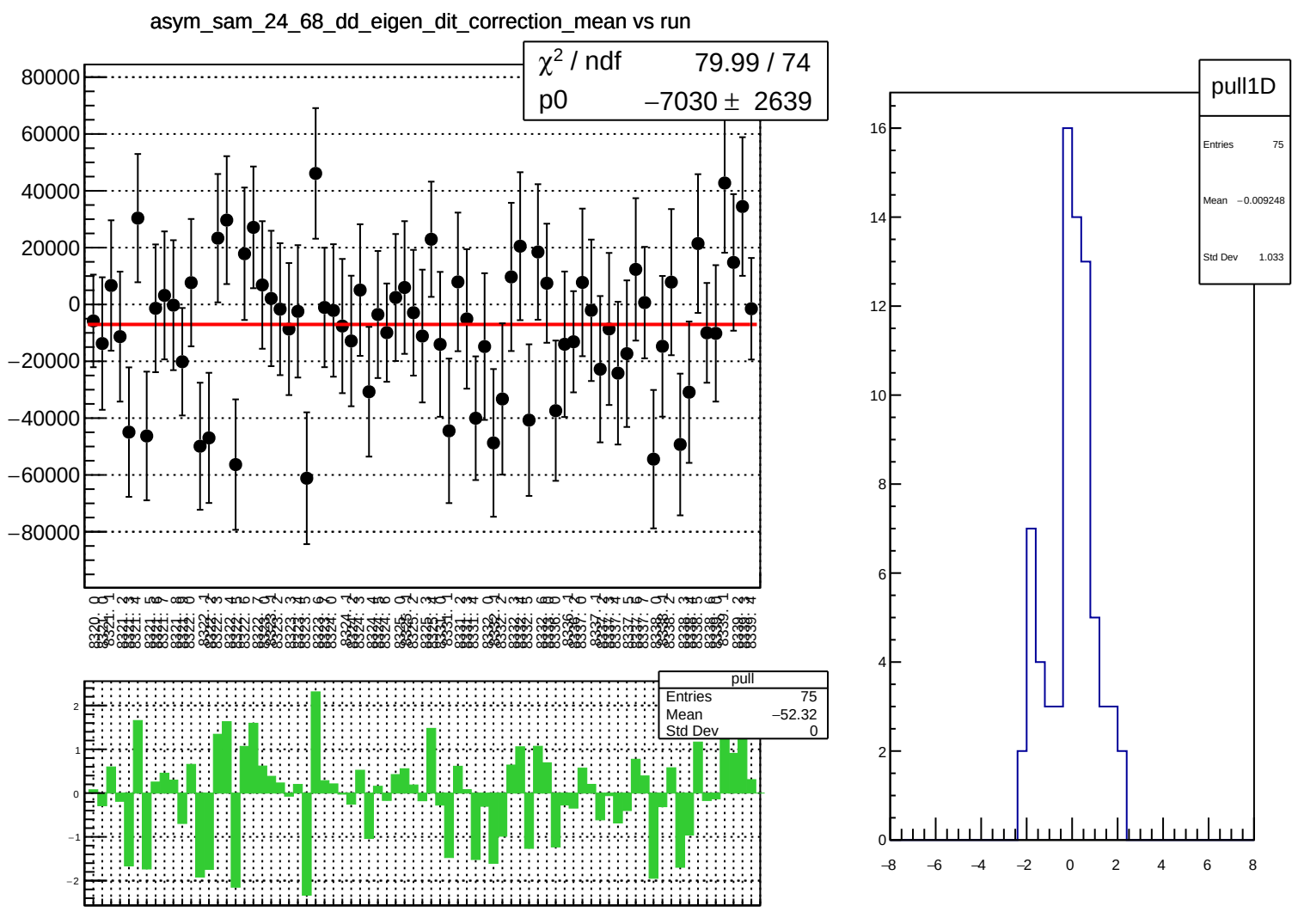

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 79.99 / 74
p0 −7030 ± 2639
pull
Entries 75
Mean −52.32
Std Dev 0

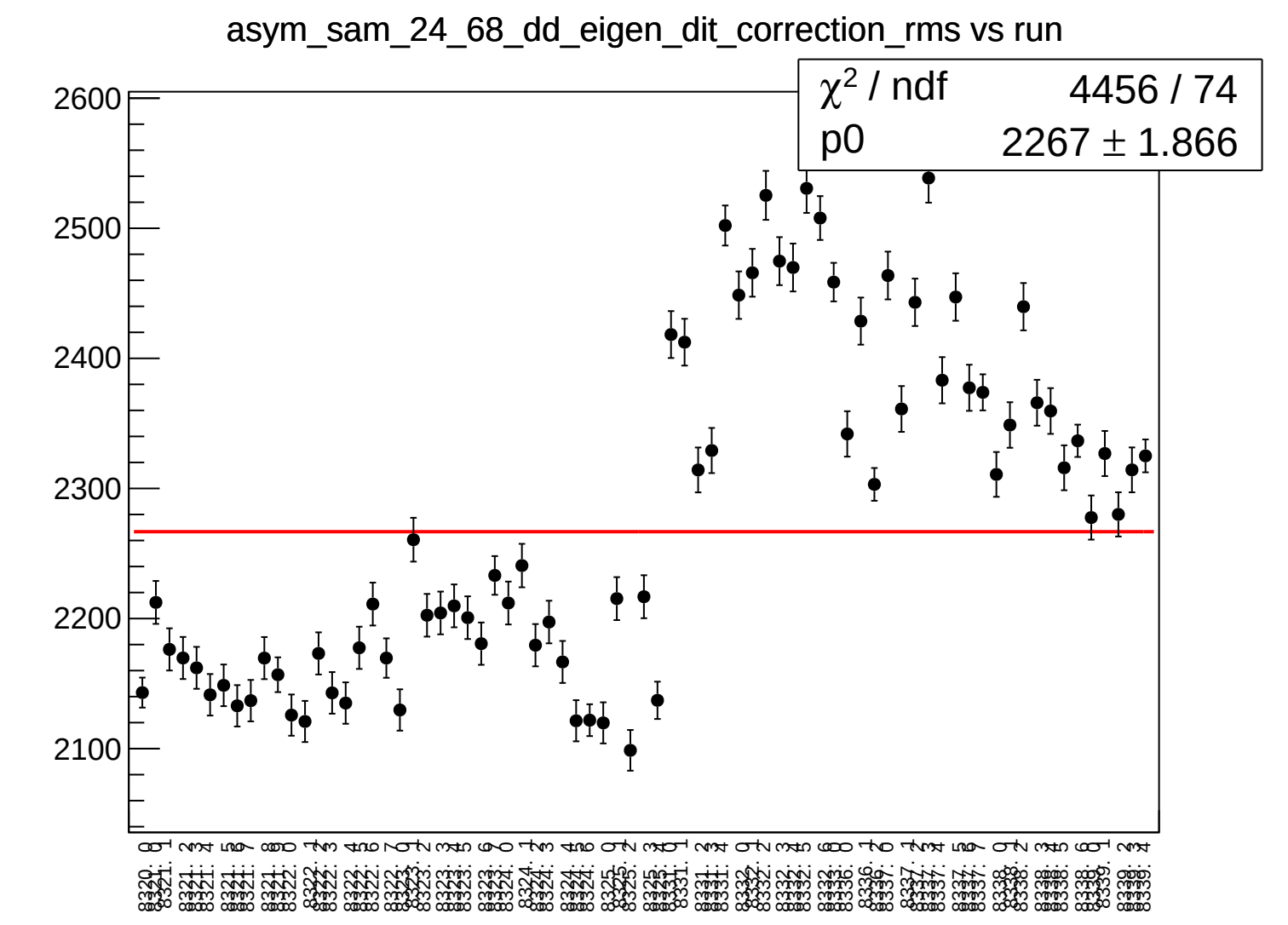

pull1D
Entries 75
Mean −0.009248
Std Dev 1.033

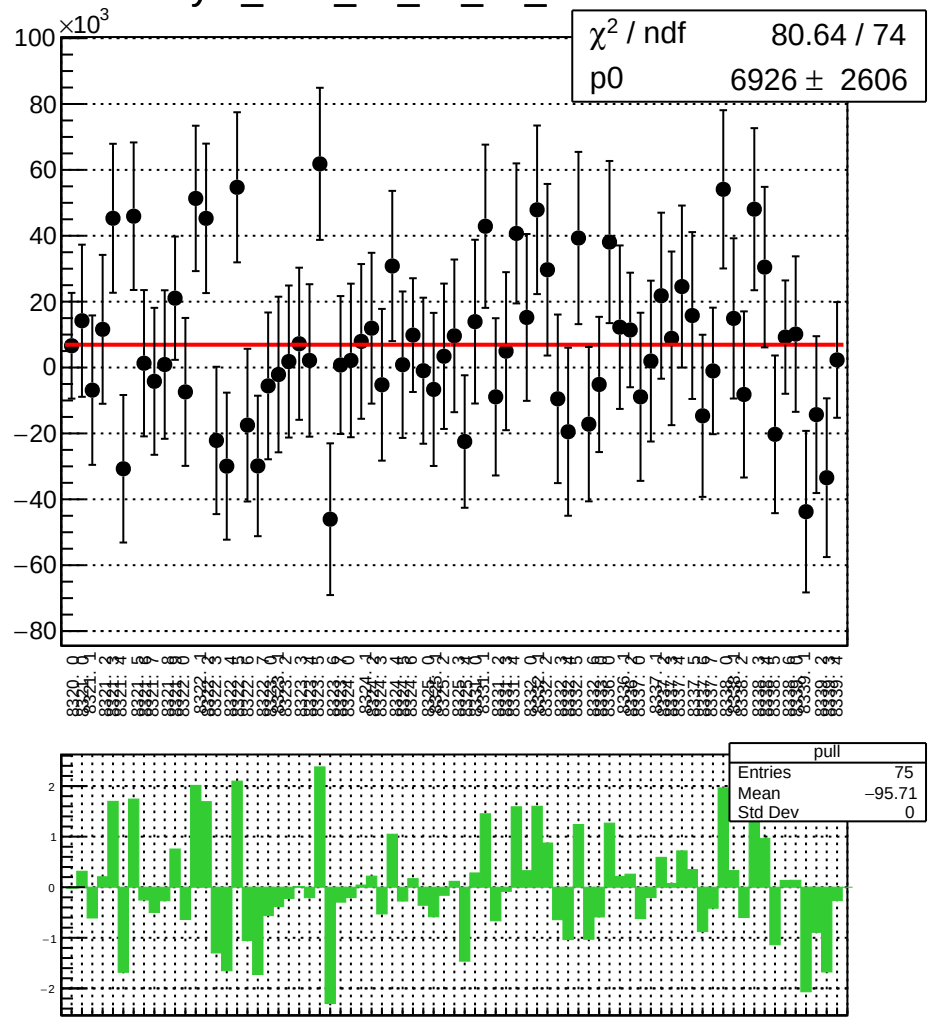

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 4456 / 74
p0 2267 ± 1.866
2600
2500
2400
2300
2200
2100

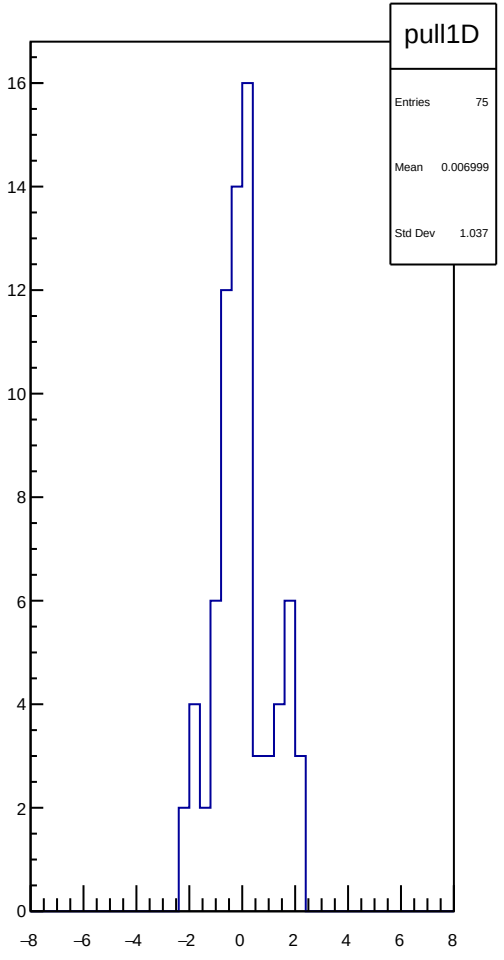

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 72.88 / 74
p0 −180.1± 126
pull
Entries 75
Mean 160
Std Dev 0
pull1D
Entries 75
Mean −0.01597
Std Dev 0.9856

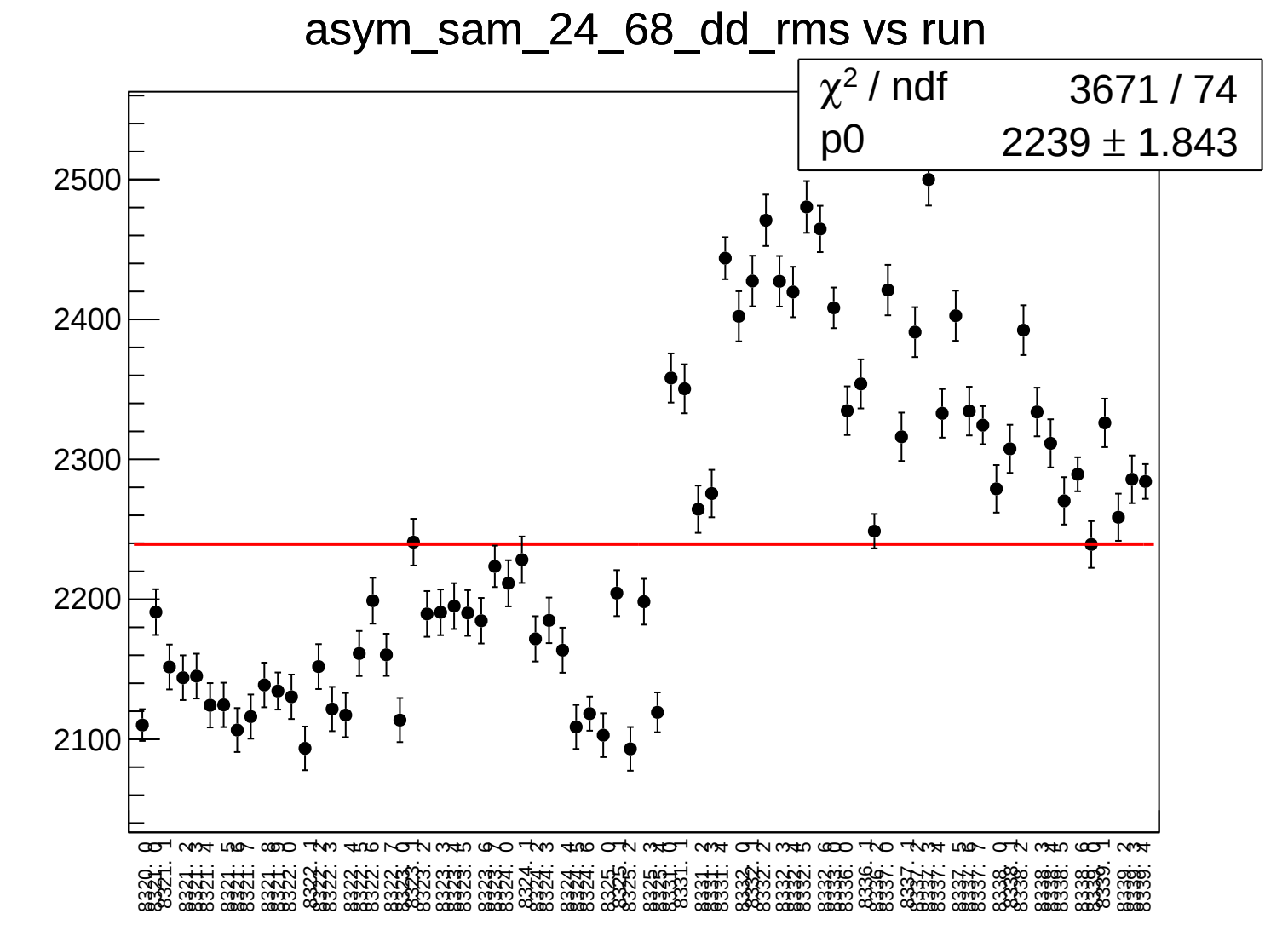

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5660 / 74
p0 108.2 ± 0.08911
140
135
130
125
120
115
110
105
100
95

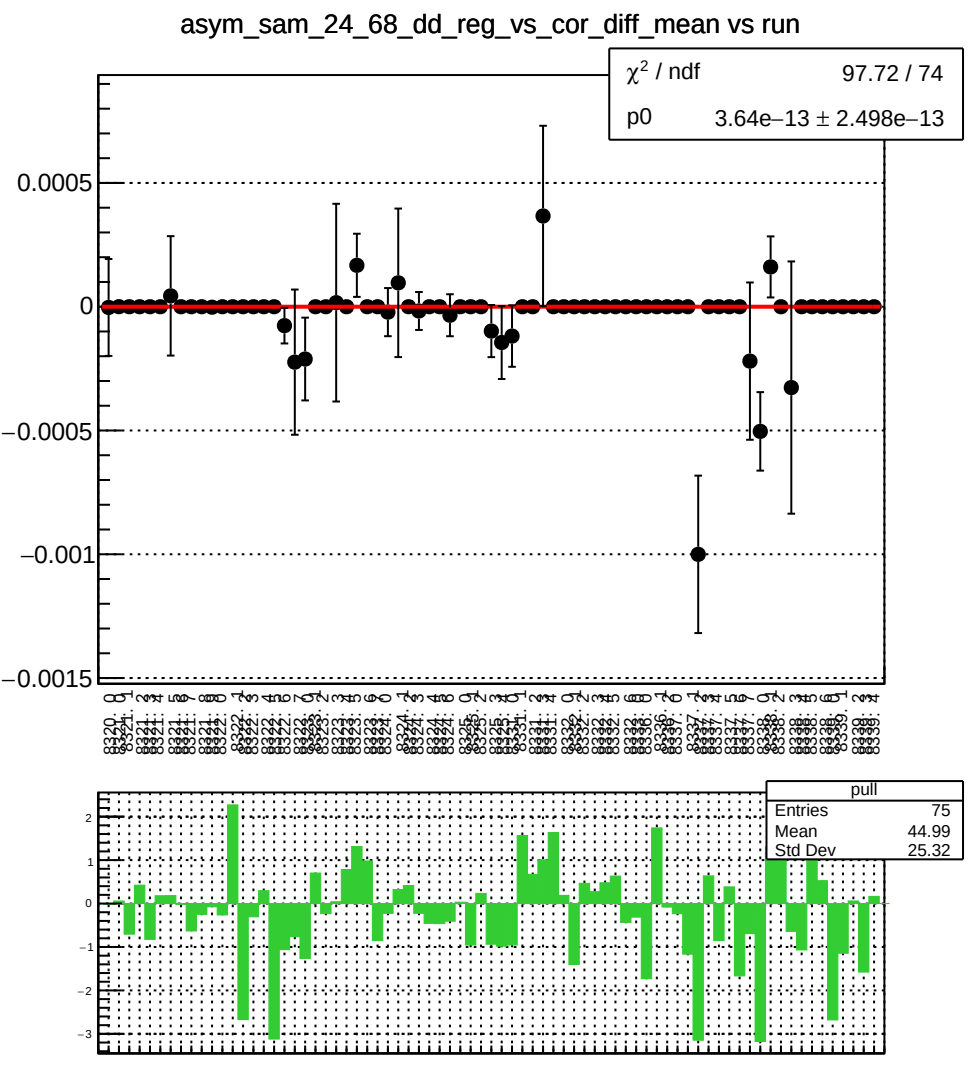

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 79.99 / 74
p0 −7030 ± 2639
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −52.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.009248
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

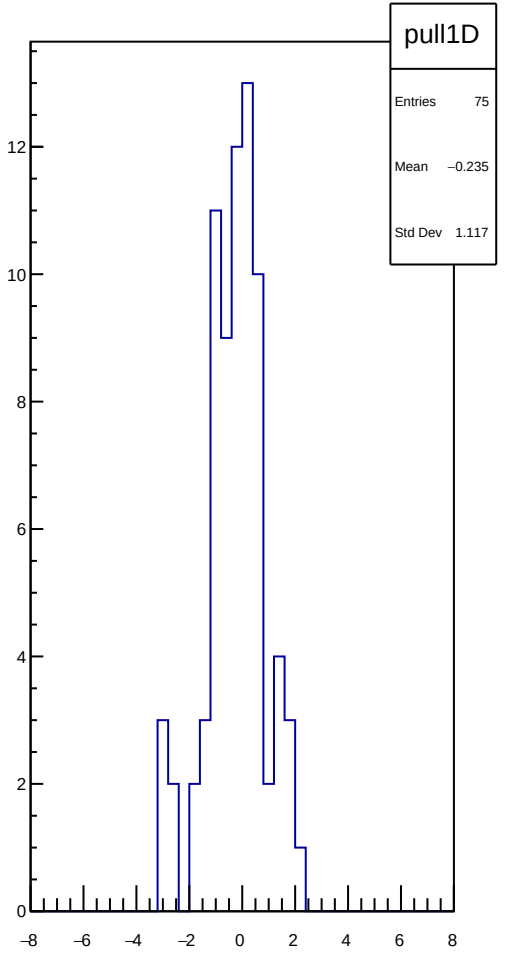

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 4456 / 74
p0 2267 ± 1.866
2600
2500
2400
2300
2200
2100

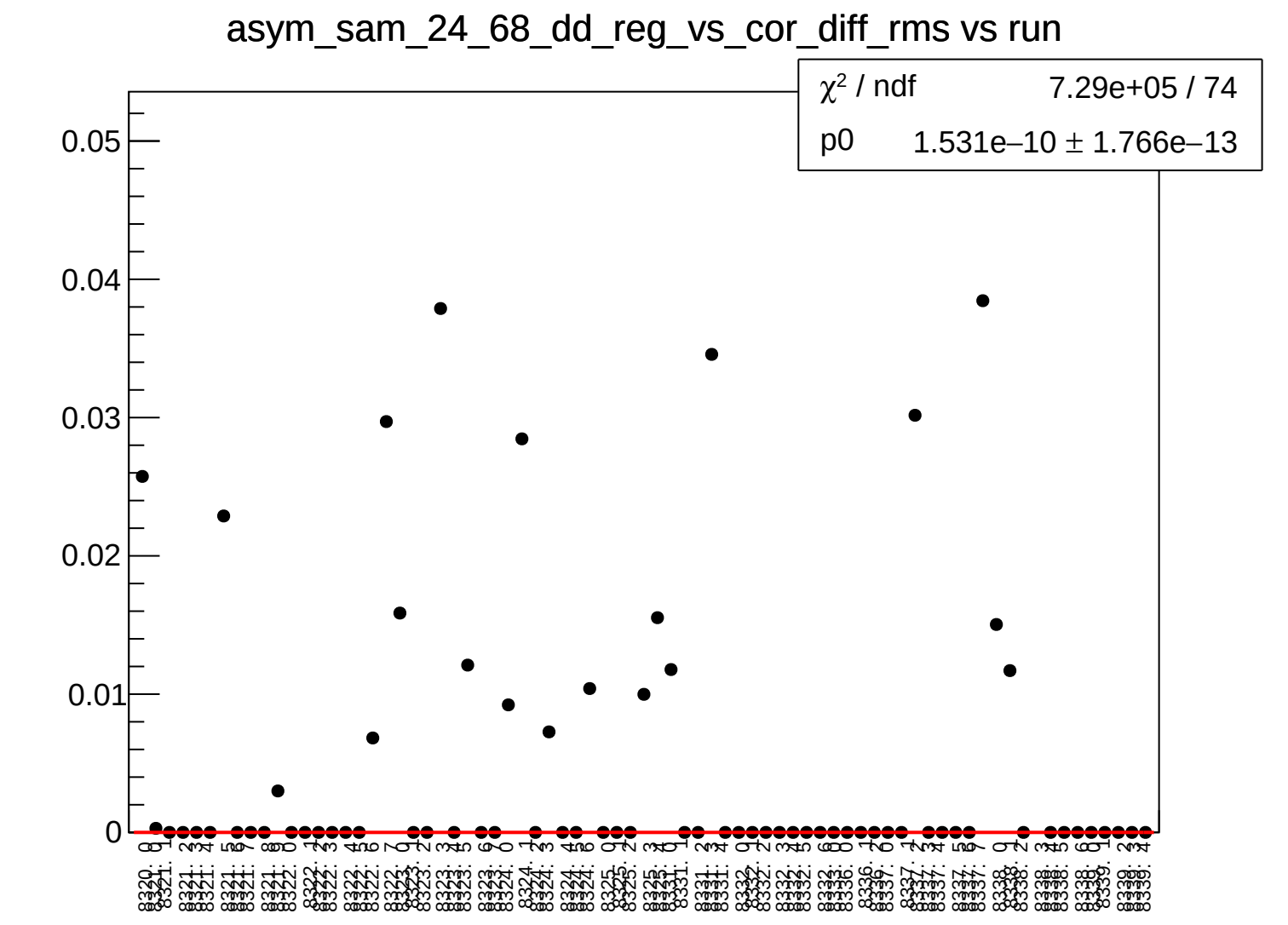

asym_sam_24_68_dd_mean vs run
χ² / ndf 80.64 / 74
p0 6926 ± 2606
×10³
pull
Entries 75
Mean −95.71
Std Dev 0

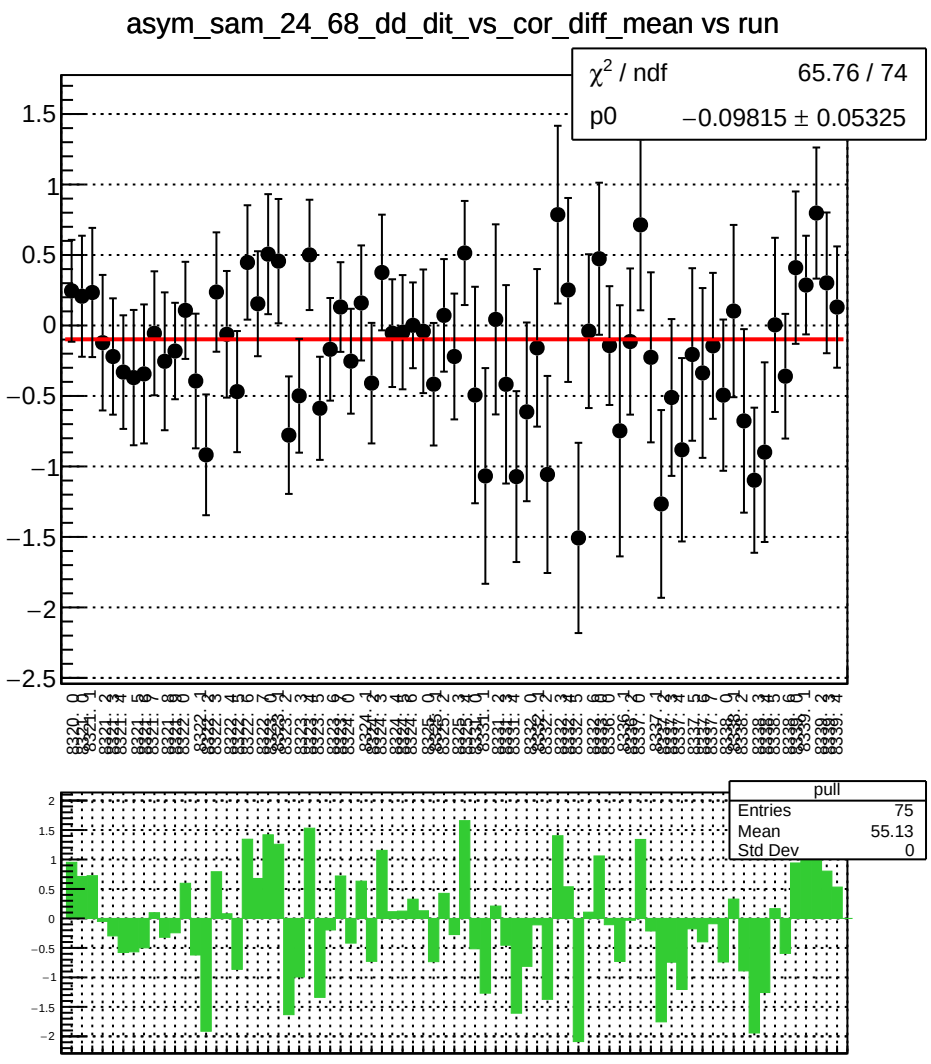

pull1D
Entries 75
Mean 0.006999
Std Dev 1.037

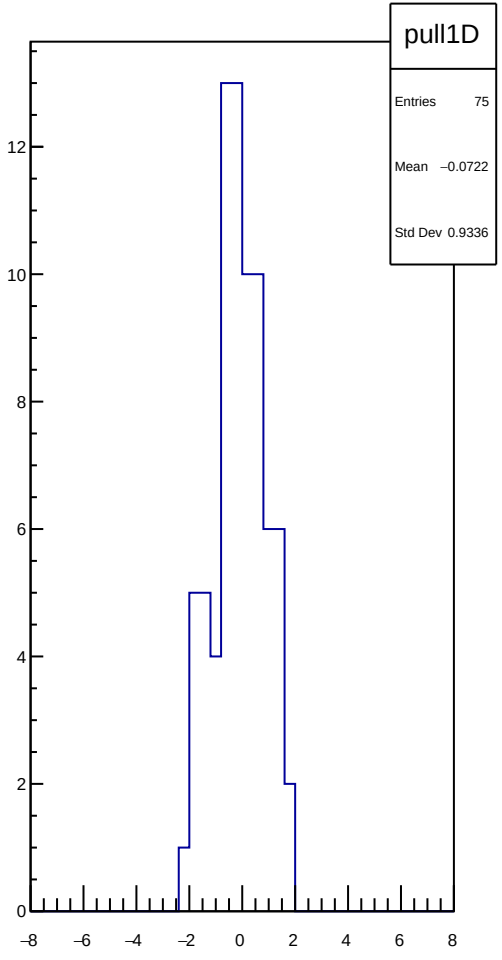

asym_sam_24_68_dd_rms vs run
χ² / ndf 3671 / 74
p0 2239 ± 1.843
2500
2400
2300
2200
2100

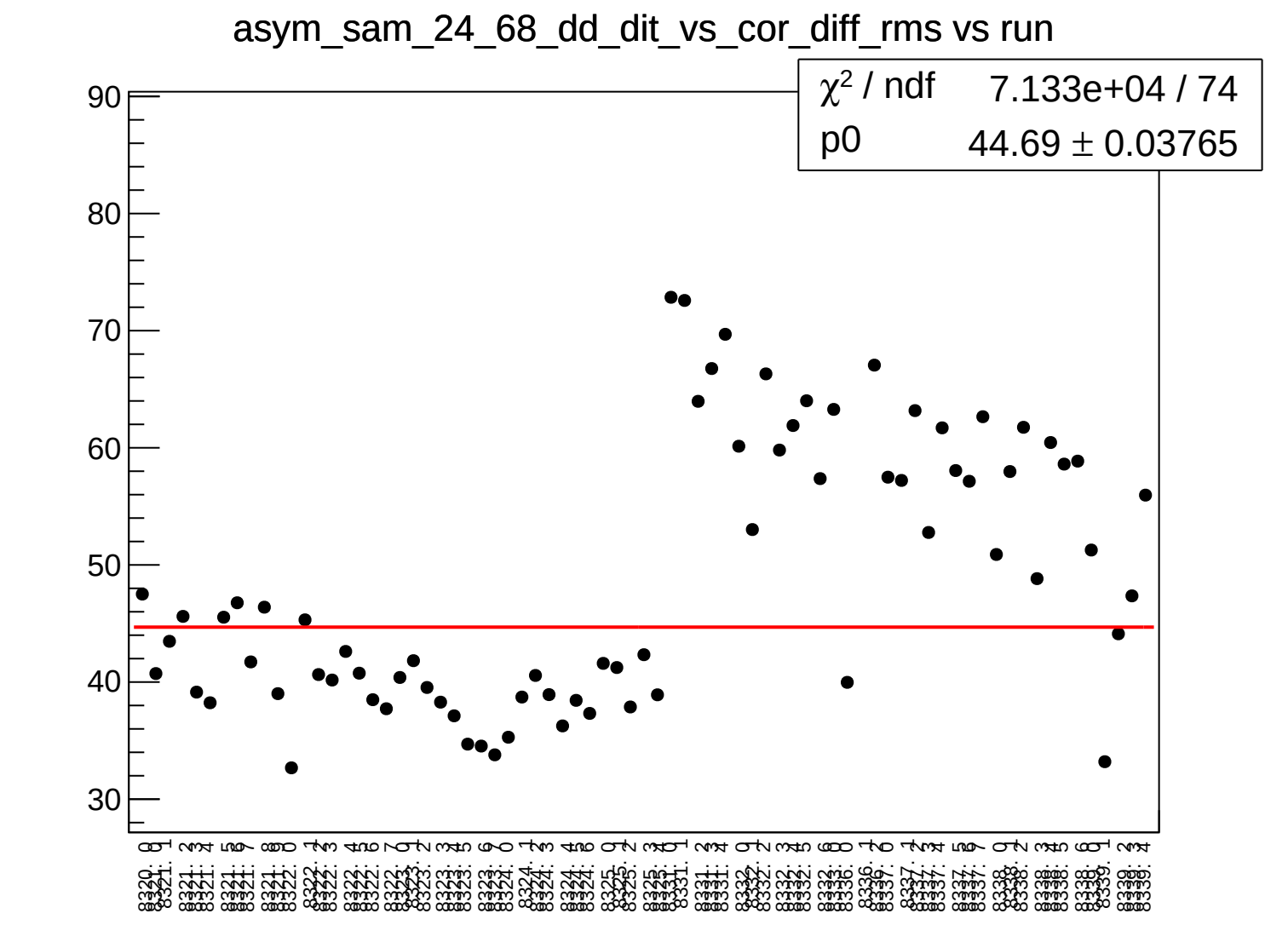

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 97.72 / 74
p0 3.64e−13 ± 2.498e−13
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 75
Mean 44.99
Std Dev 25.32
2
1
0
−1
−2
−3

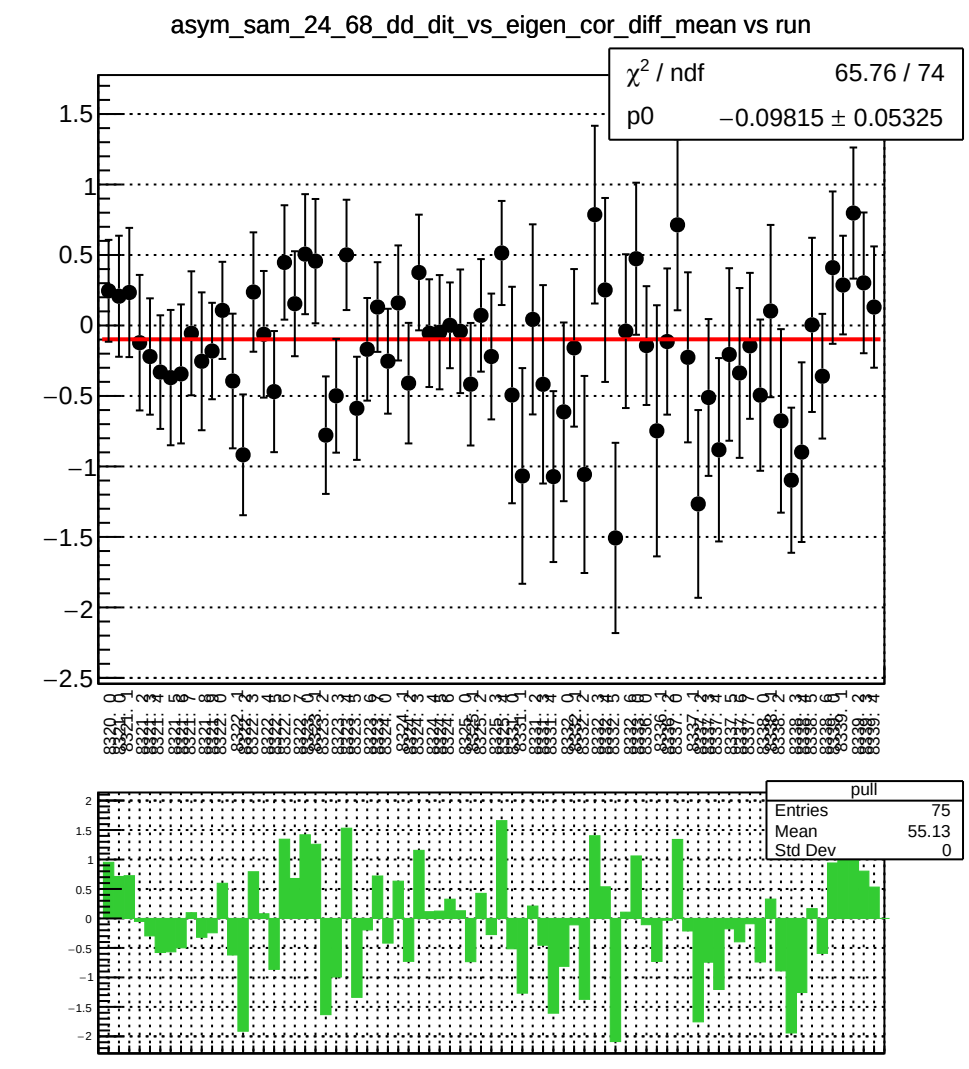

pull1D
Entries 75
Mean −0.235
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

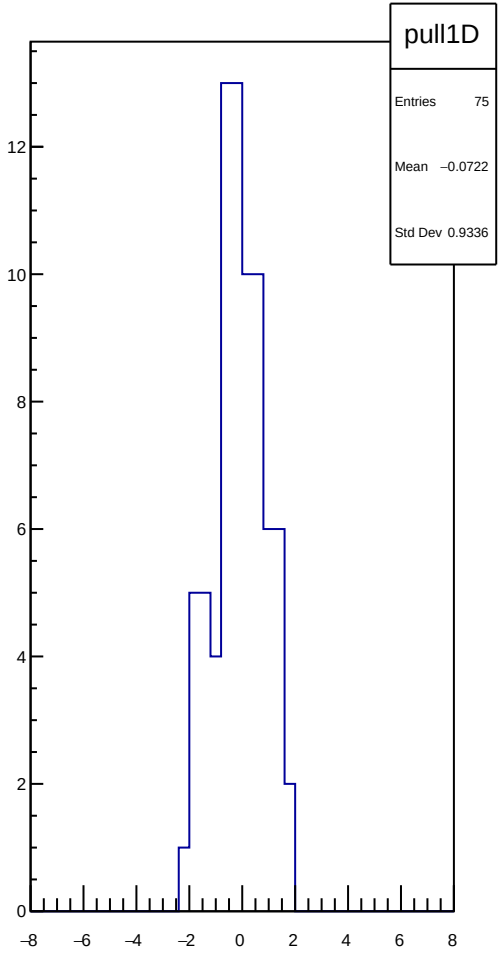

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.29e+05 / 74
p0 1.531e−10 ± 1.766e−13
0.05
0.04
0.03
0.02
0.01
0

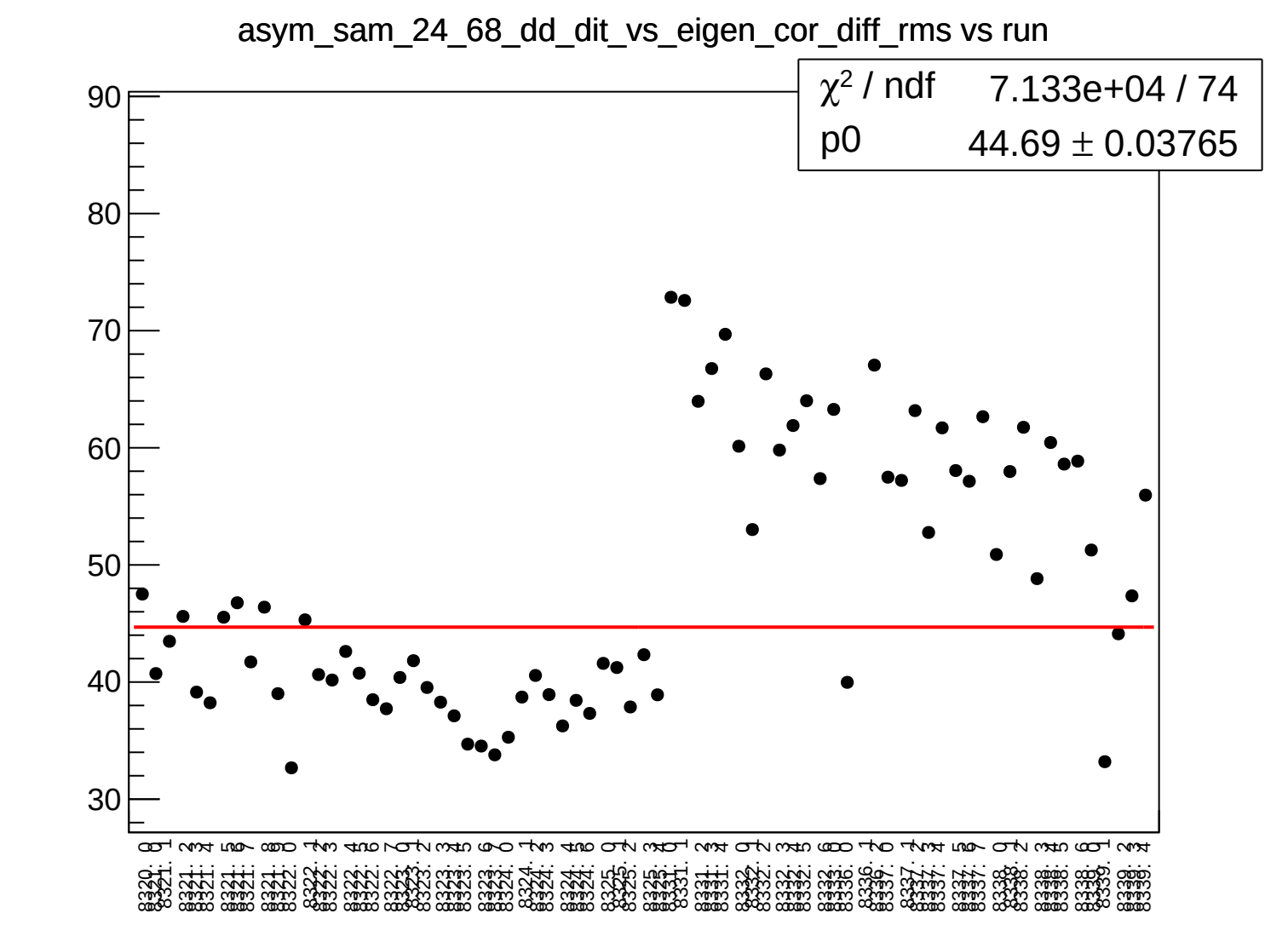

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.76 / 74
p0 −0.09815 ± 0.05325
pull
Entries 75
Mean 55.13
Std Dev 0

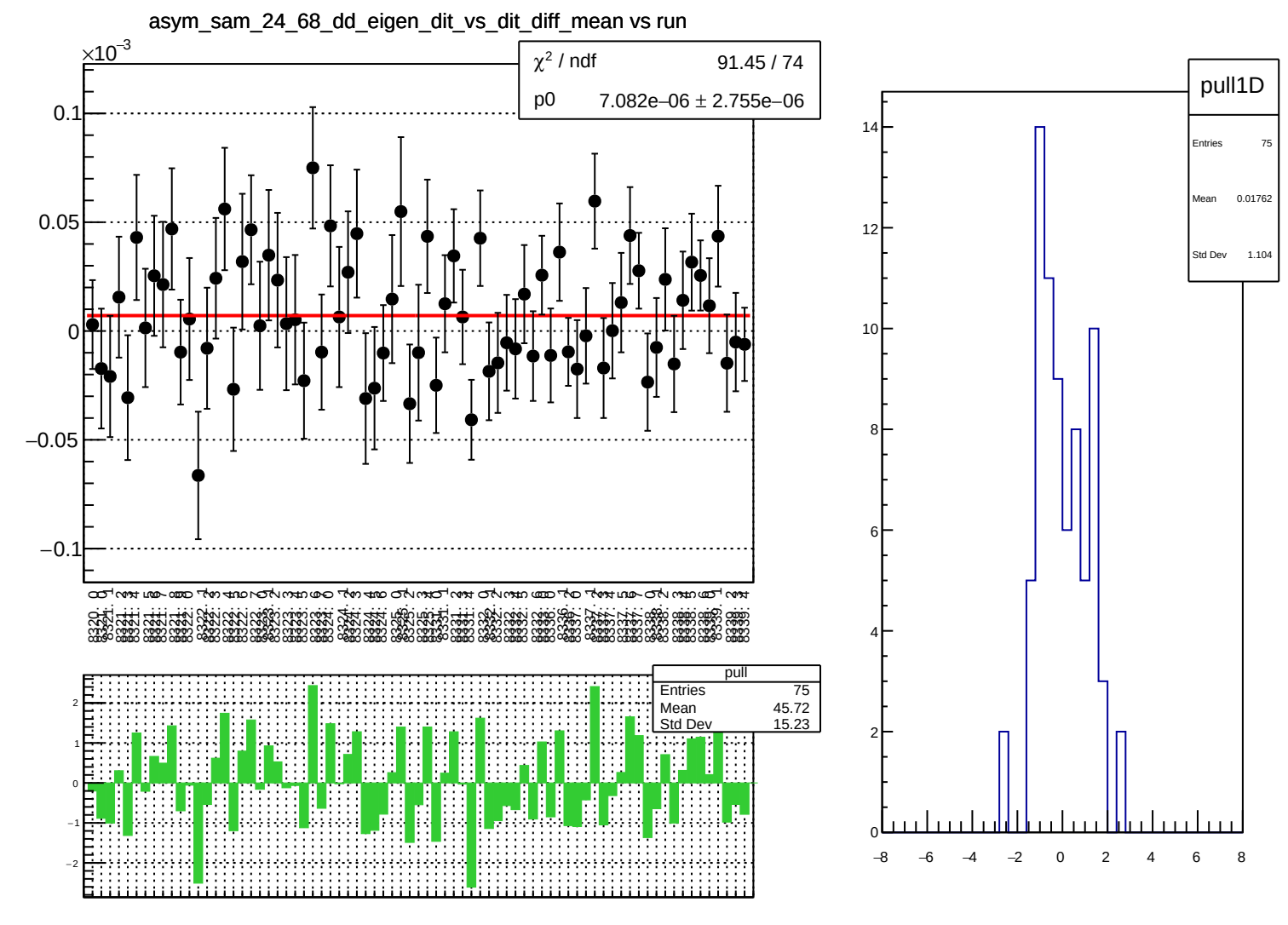

pull1D
Entries 75
Mean −0.0722
Std Dev 0.9336

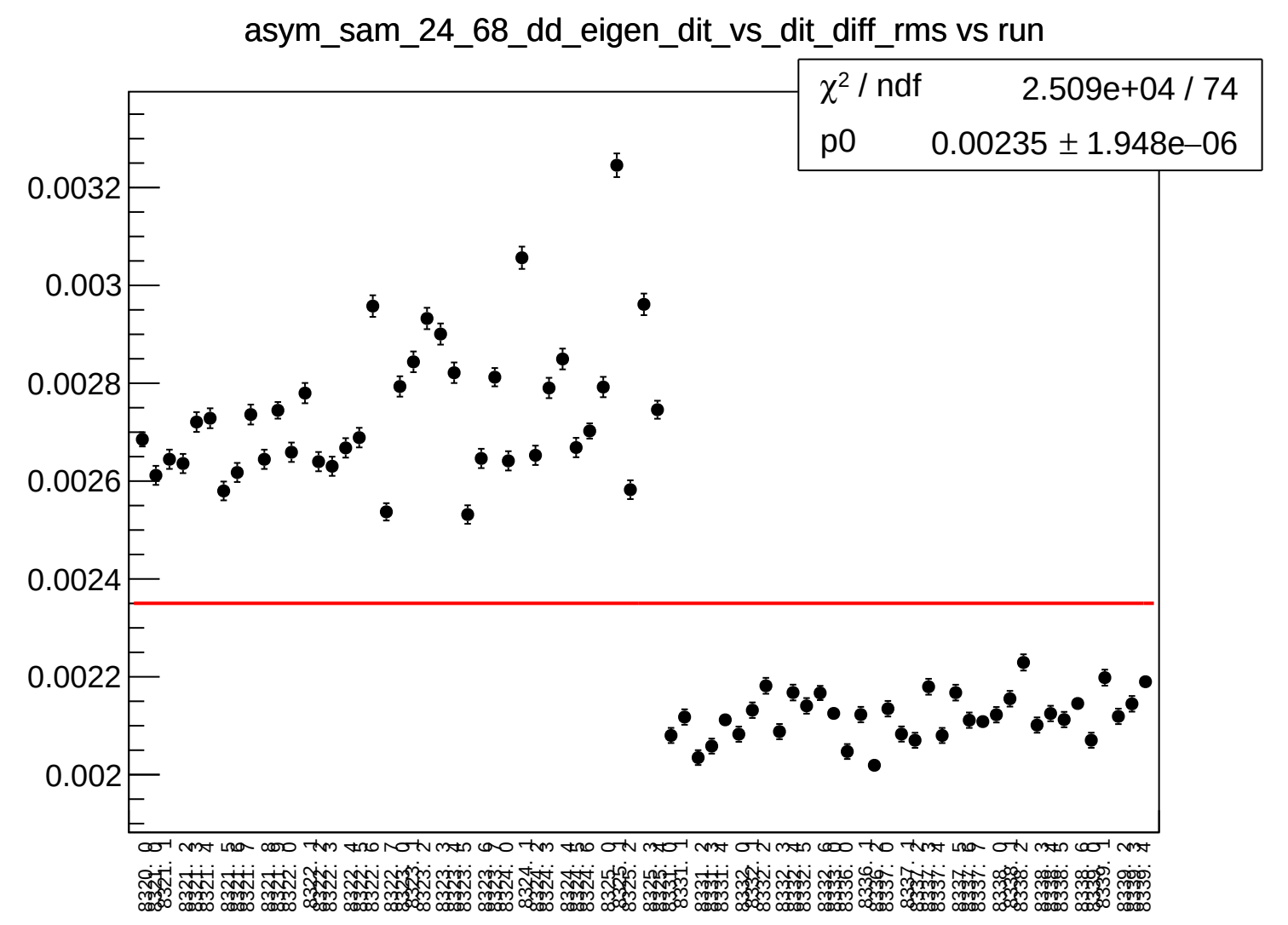

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.133e+04 / 74
p0 44.69 ± 0.03765
90
80
70
60
50
40
30

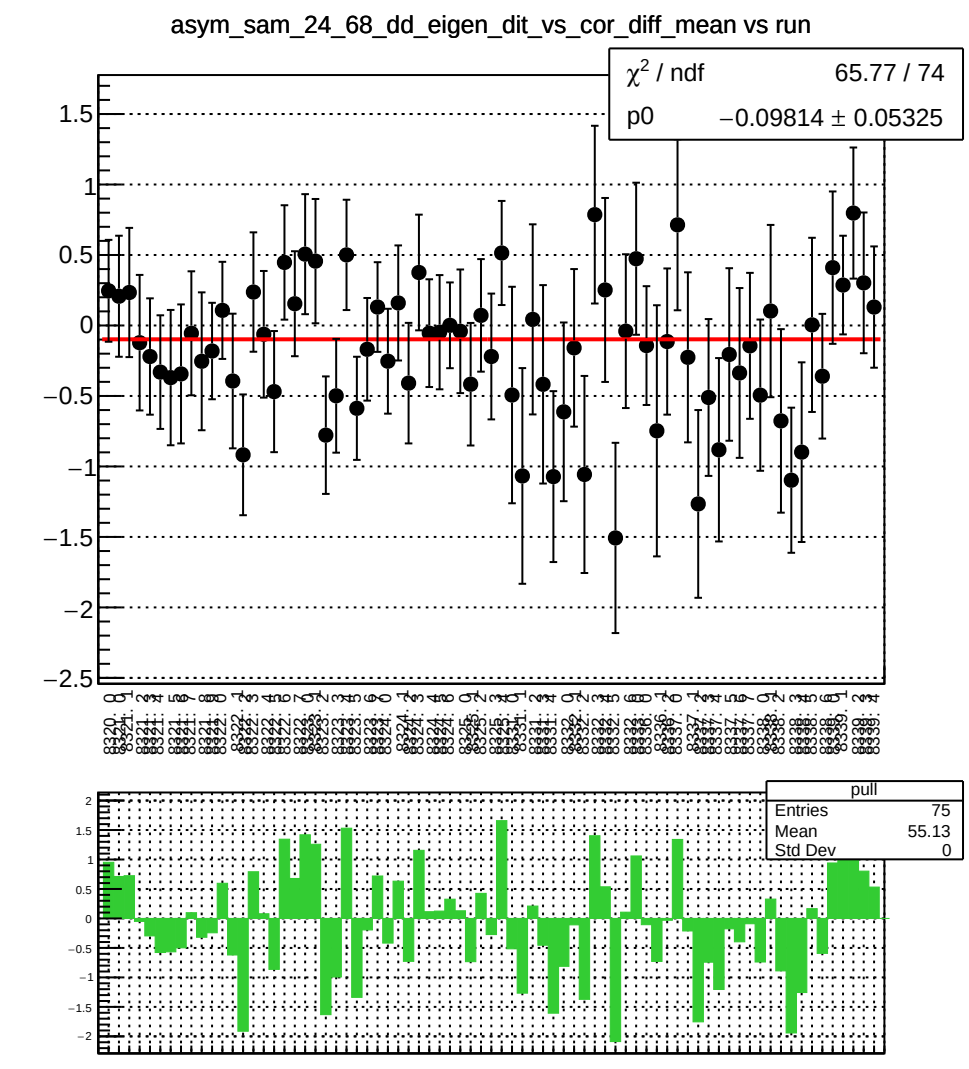

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.76 / 74
p0 −0.09815 ± 0.05325
pull
Entries 75
Mean 55.13
Std Dev 0

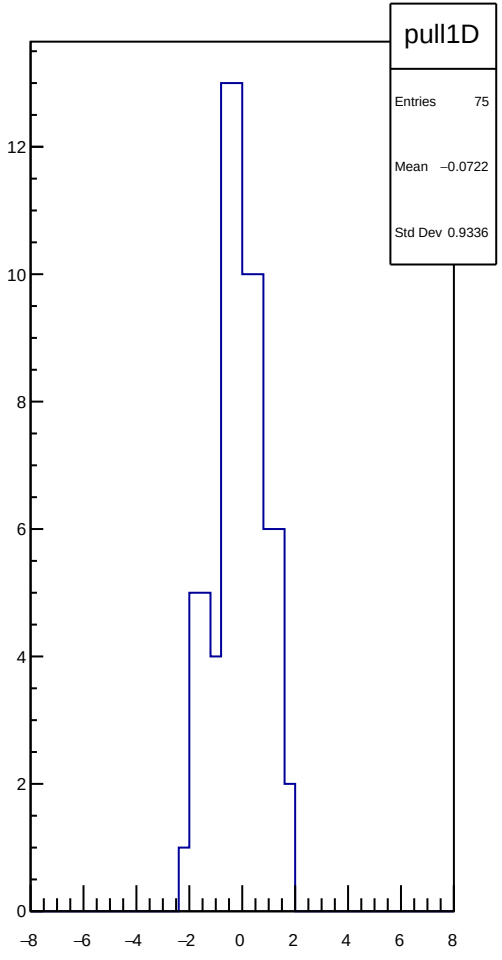

pull1D
Entries 75
Mean −0.0722
Std Dev 0.9336

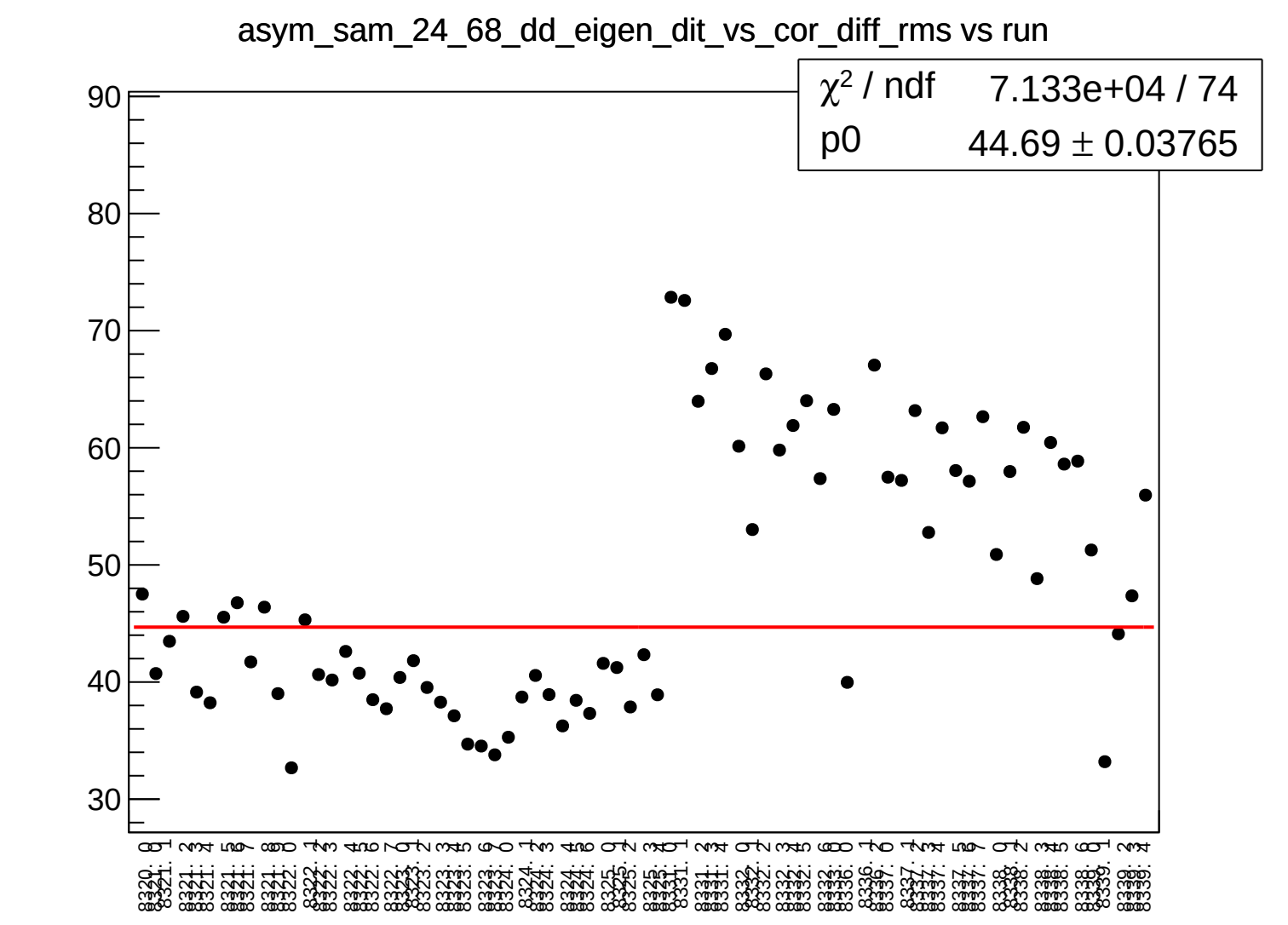

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.133e+04 / 74
p0 44.69 ± 0.03765
90
80
70
60
50
40
30

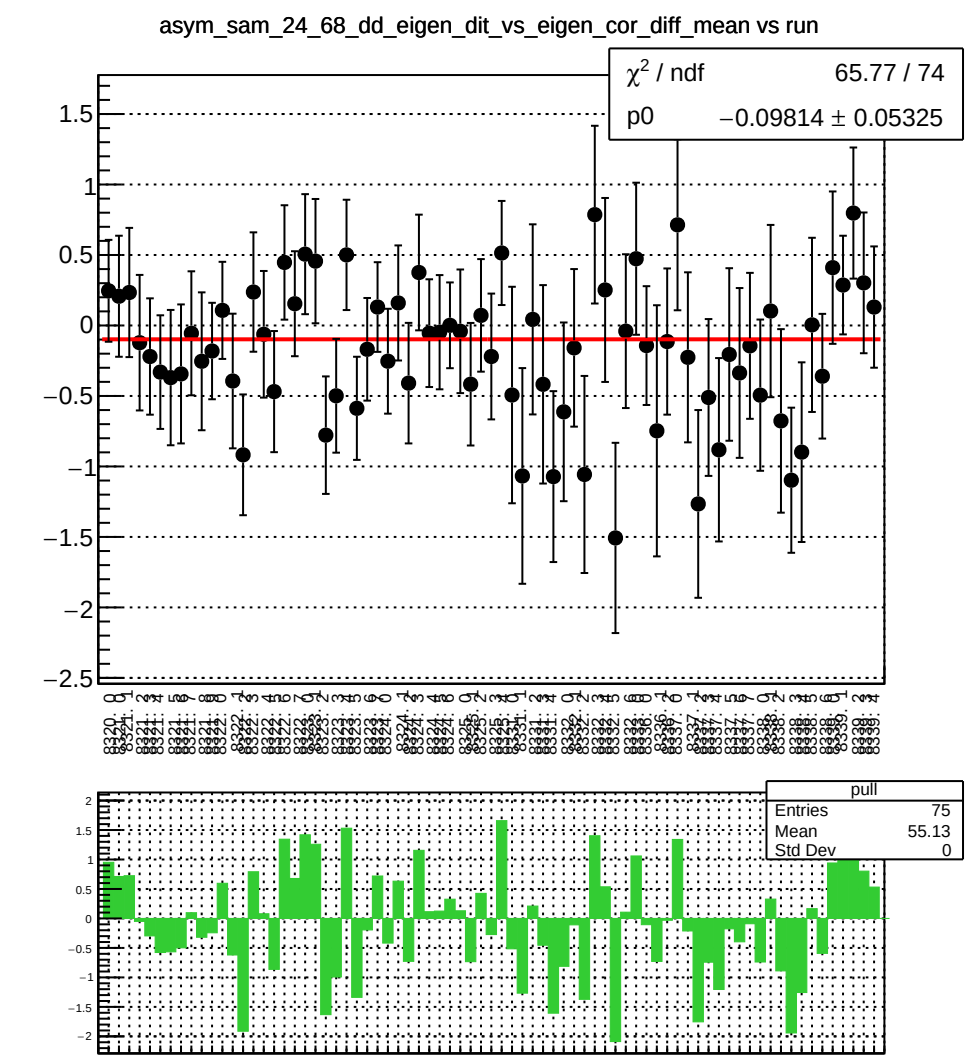

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91.45 / 74
p0 7.082e−06 ± 2.755e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 75
Mean 45.72
Std Dev 15.23
pull1D
Entries 75
Mean 0.01762
Std Dev 1.104

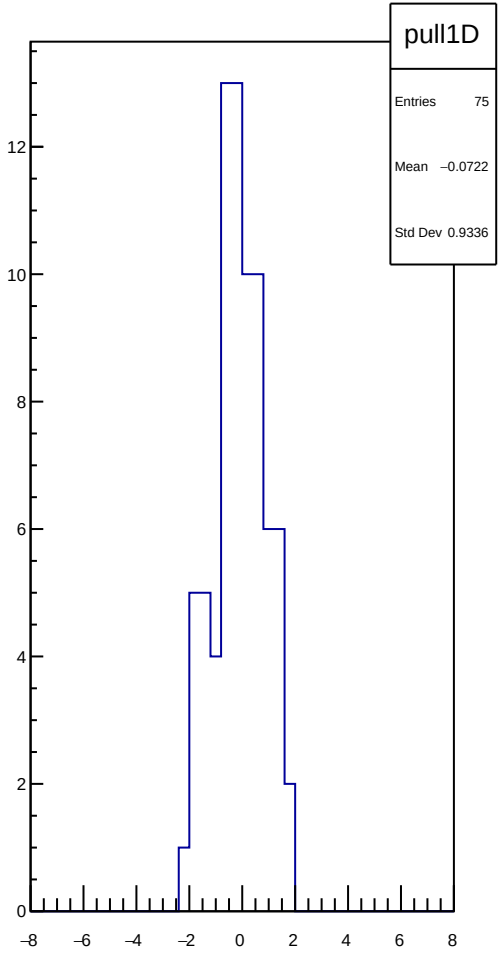

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.509e+04 / 74
p0 0.00235 ± 1.948e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002

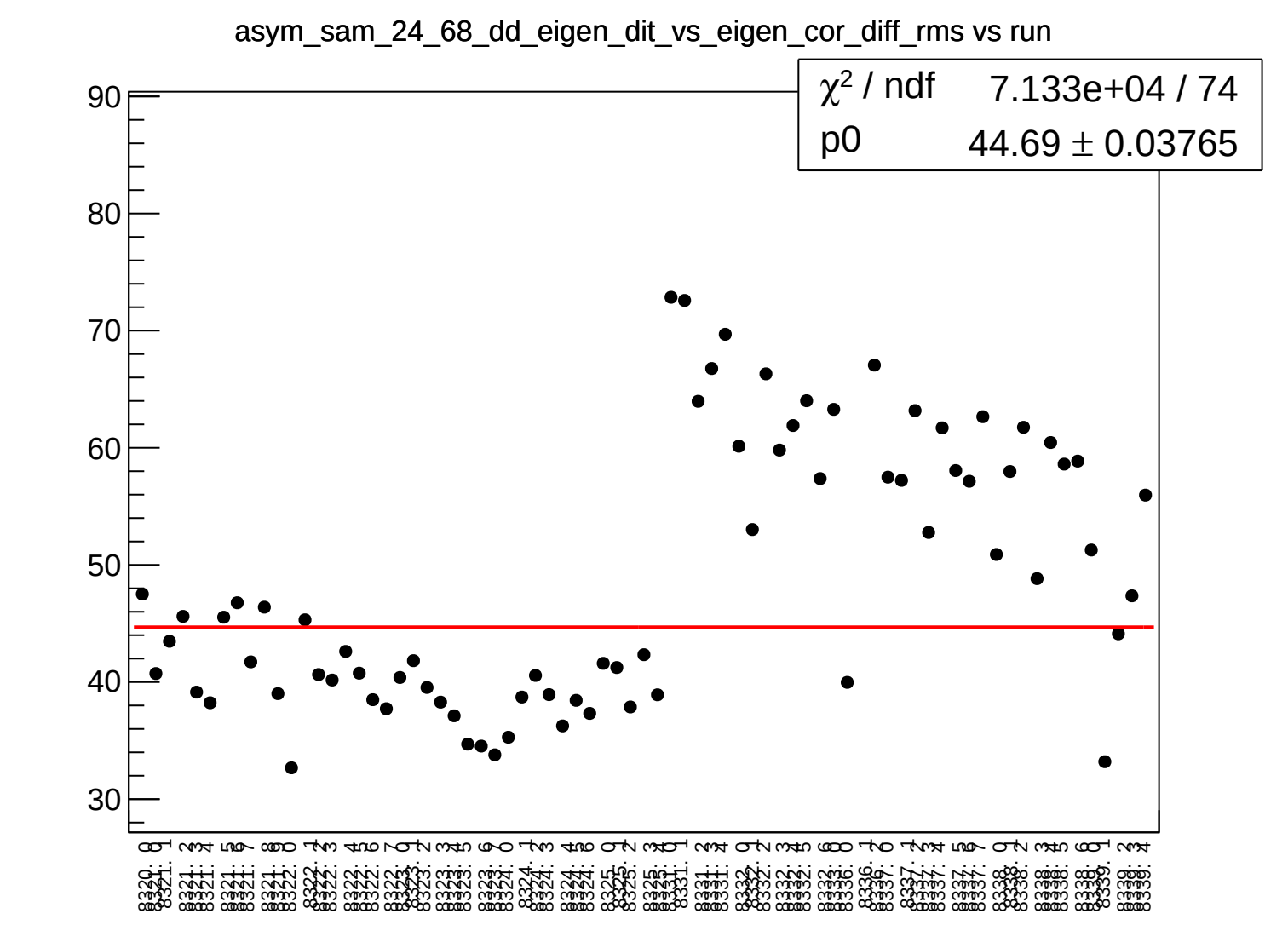

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.77 / 74
p0 −0.09814 ± 0.05325
pull
Entries 75
Mean 55.13
Std Dev 0

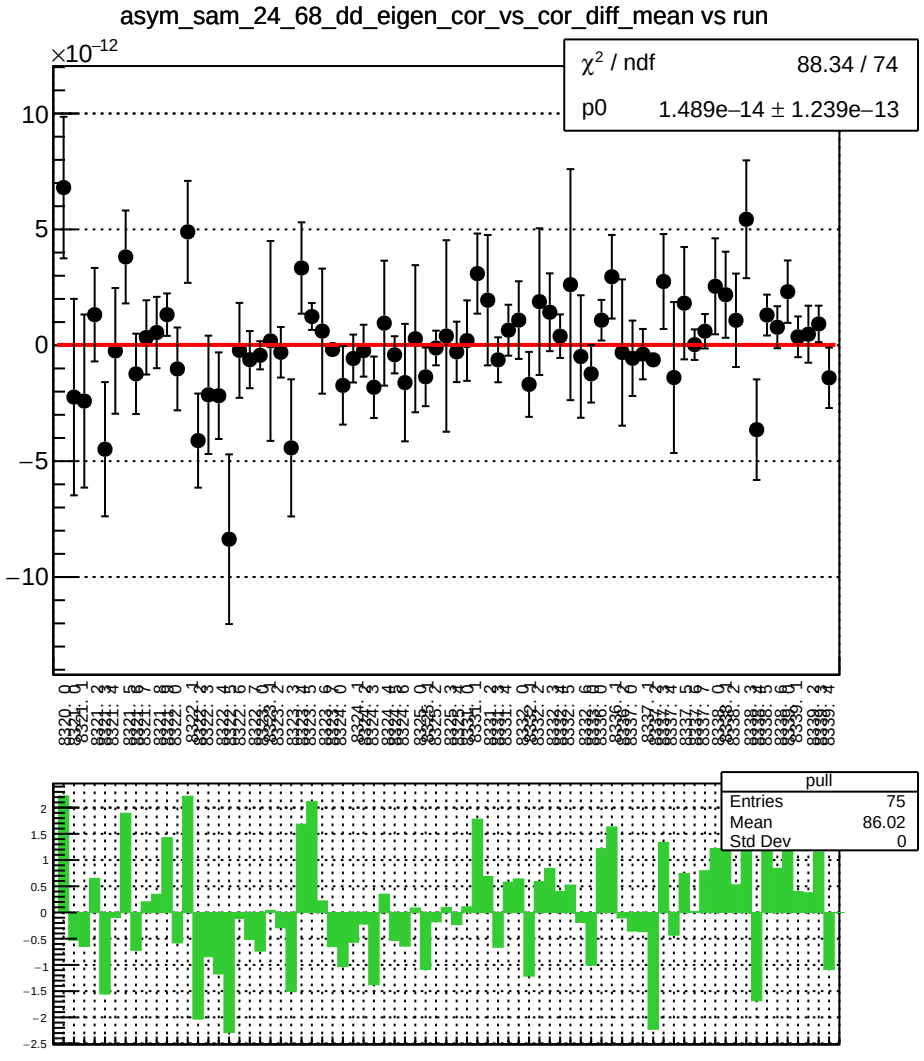

pull1D
Entries 75
Mean −0.0722
Std Dev 0.9336

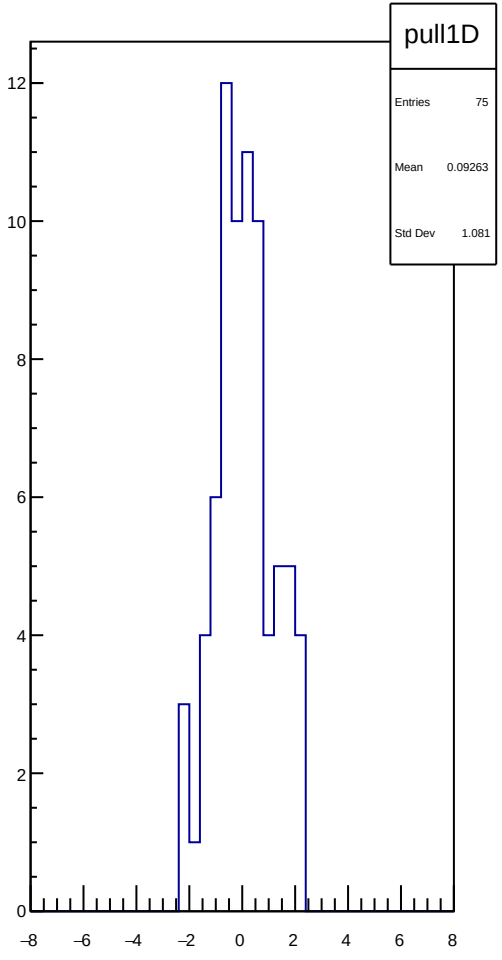

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.133e+04 / 74
p0 44.69 ± 0.03765
90
80
70
60
50
40
30

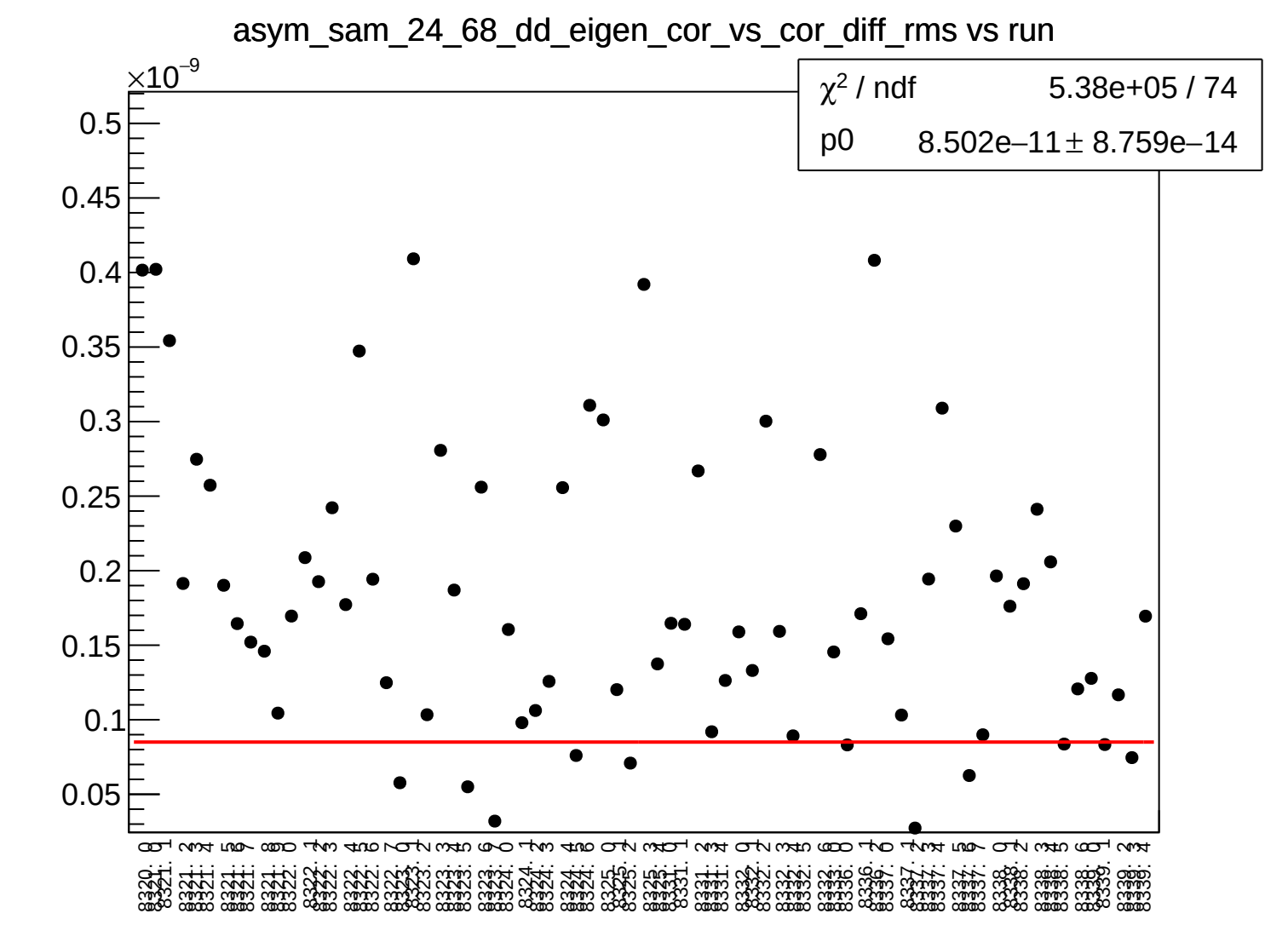

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.77 / 74
p0 −0.09814 ± 0.05325
pull
Entries 75
Mean 55.13
Std Dev 0

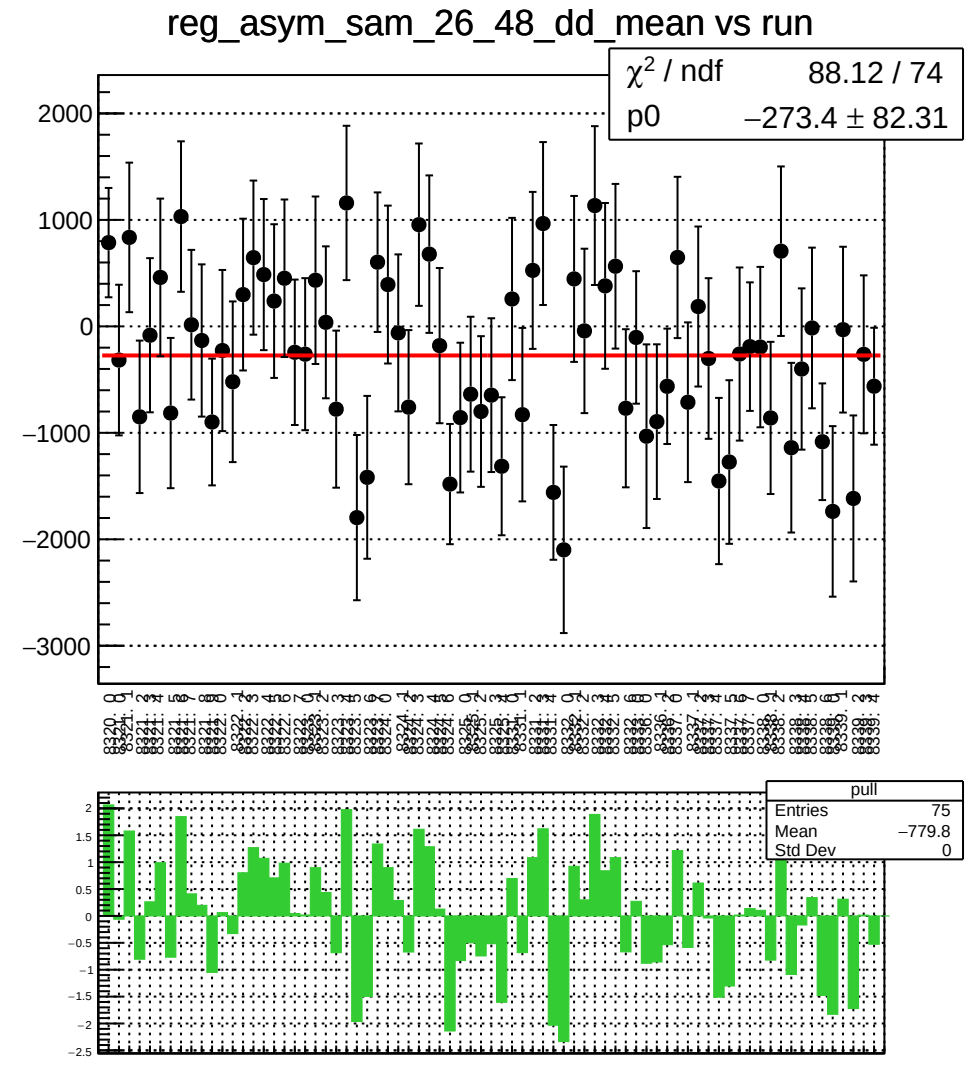

pull1D
Entries 75
Mean −0.0722
Std Dev 0.9336

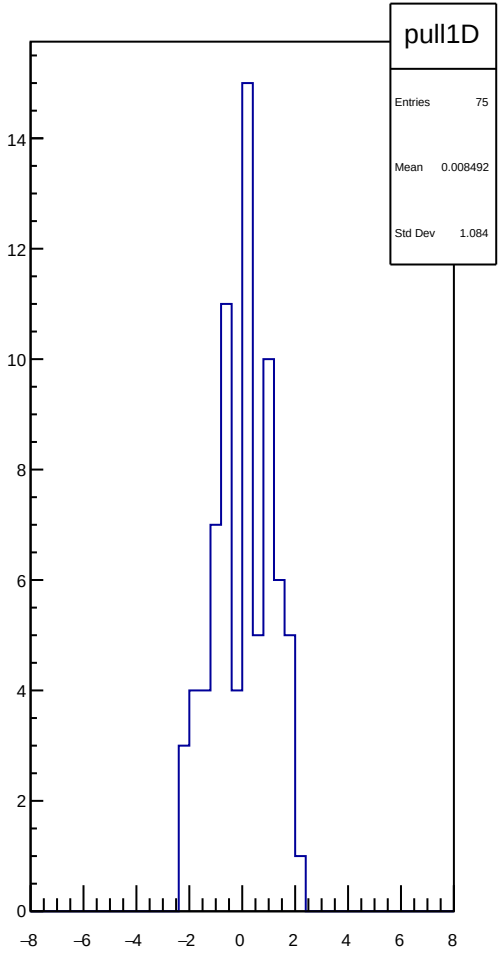

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.133e+04 / 74
p0 44.69 ± 0.03765
90
80
70
60
50
40
30

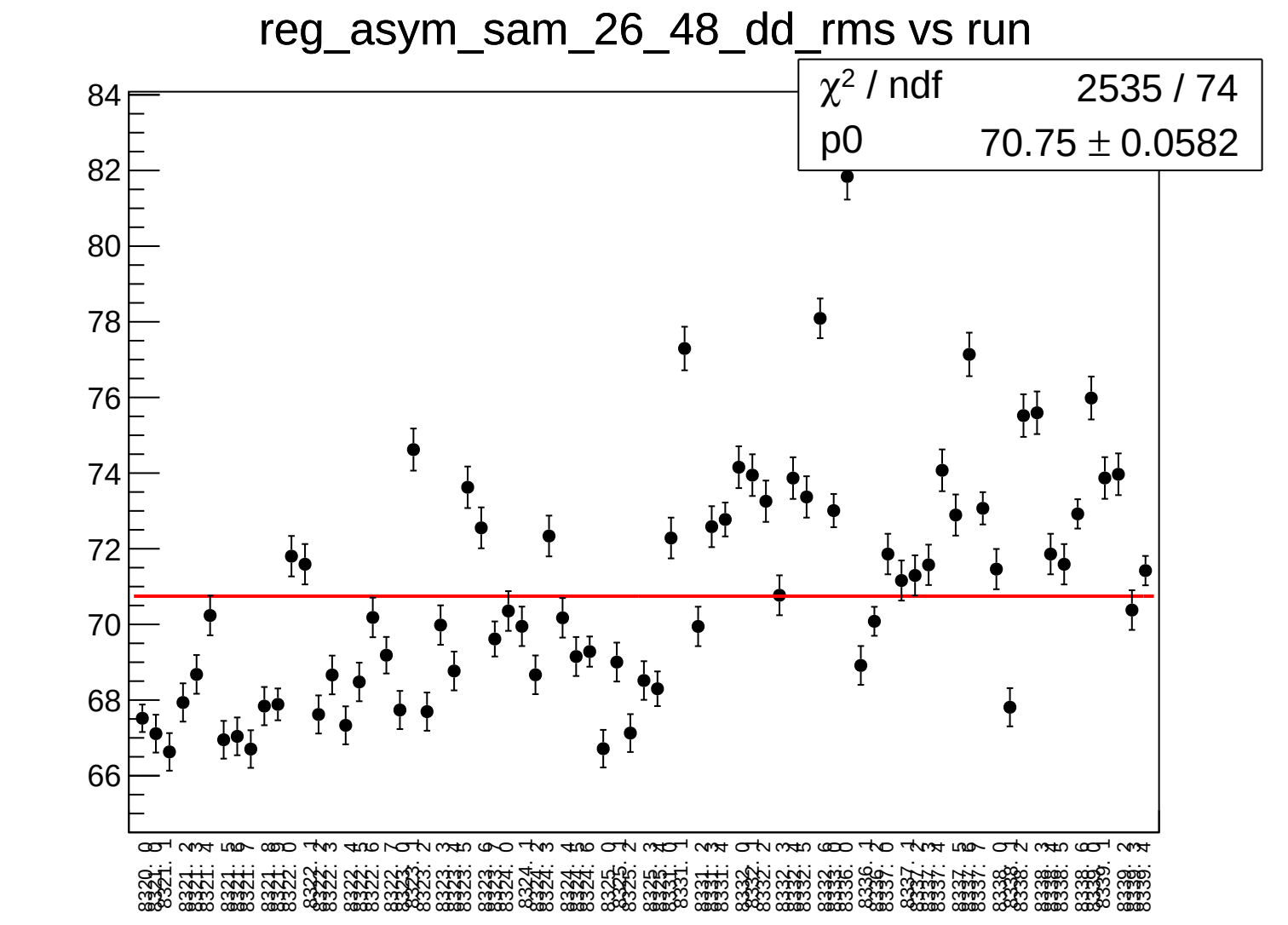

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.34 / 74
p0 1.489e−14 ± 1.239e−13
pull
Entries 75
Mean 86.02
Std Dev 0

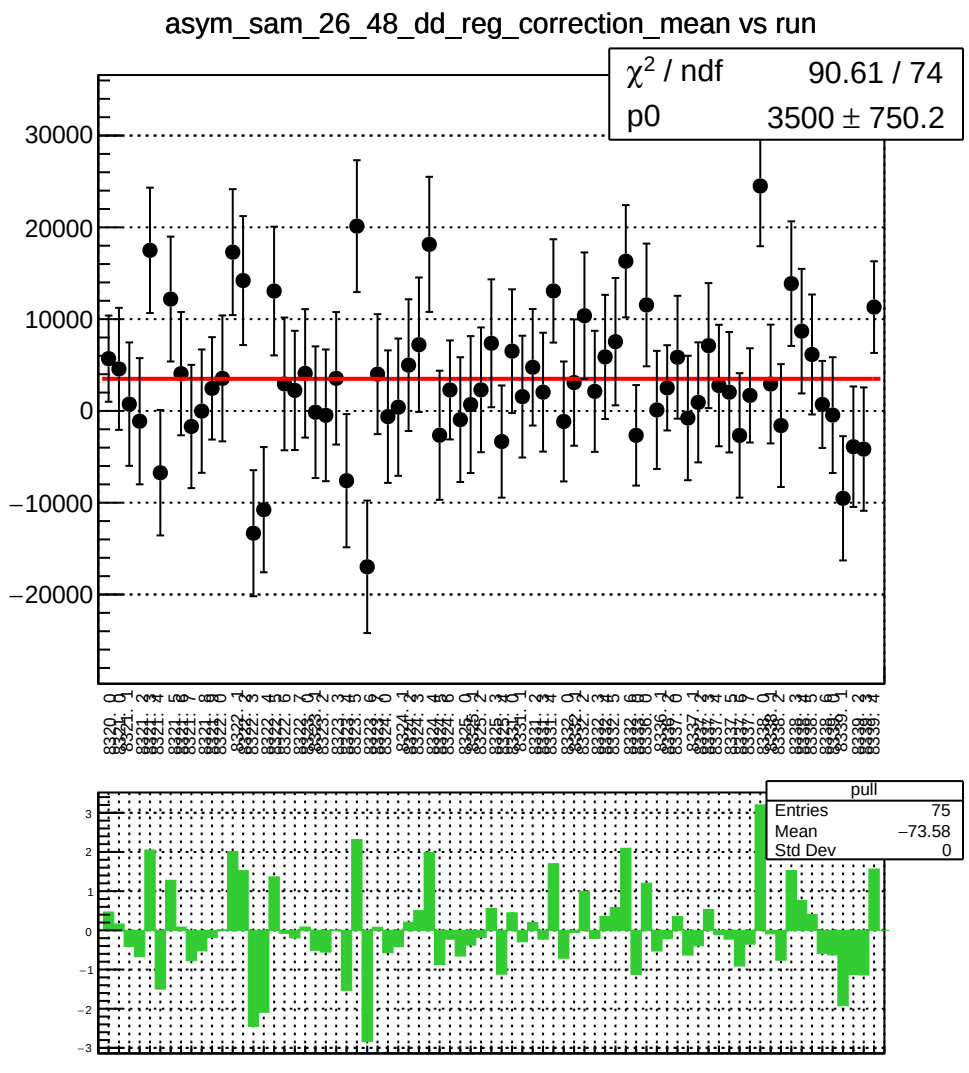

pull1D
Entries 75
Mean 0.09263
Std Dev 1.081

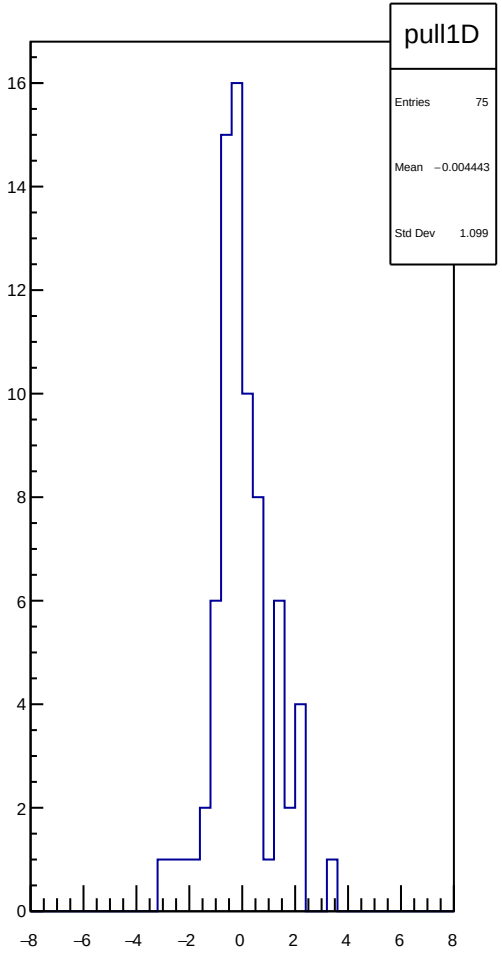

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.38e+05 / 74
p0 8.502e−11 ± 8.759e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

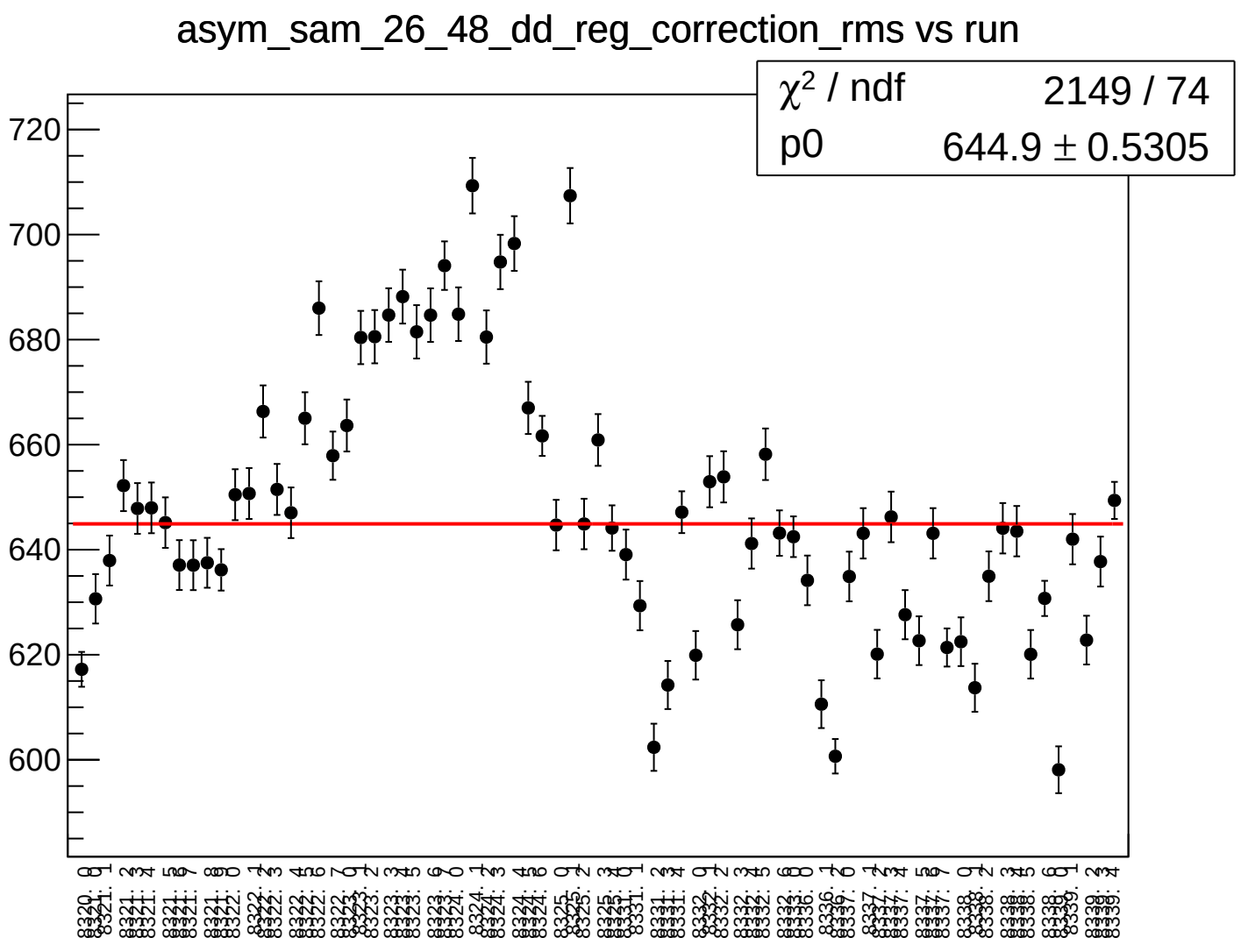

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 88.12 / 74
p0 −273.4 ± 82.31
pull
Entries 75
Mean −779.8
Std Dev 0

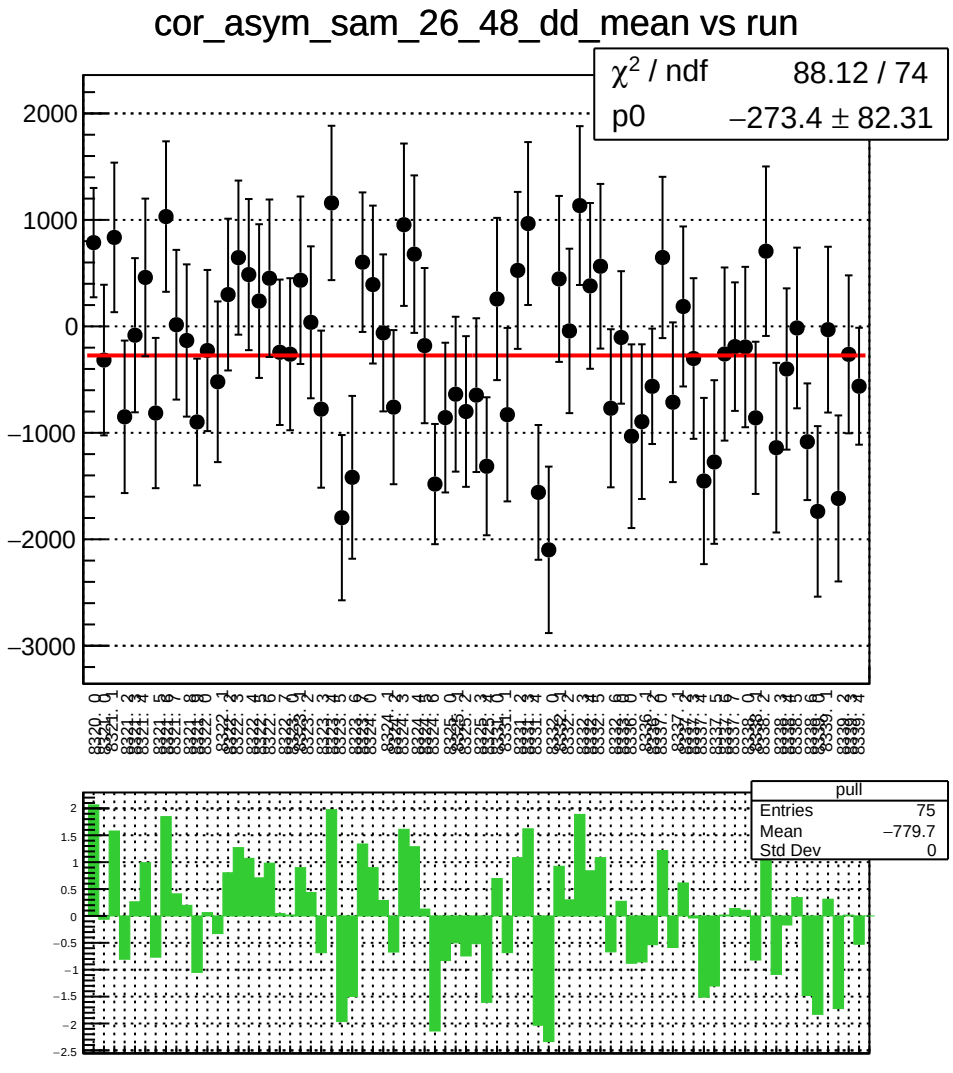

pull1D
Entries 75
Mean 0.008492
Std Dev 1.084

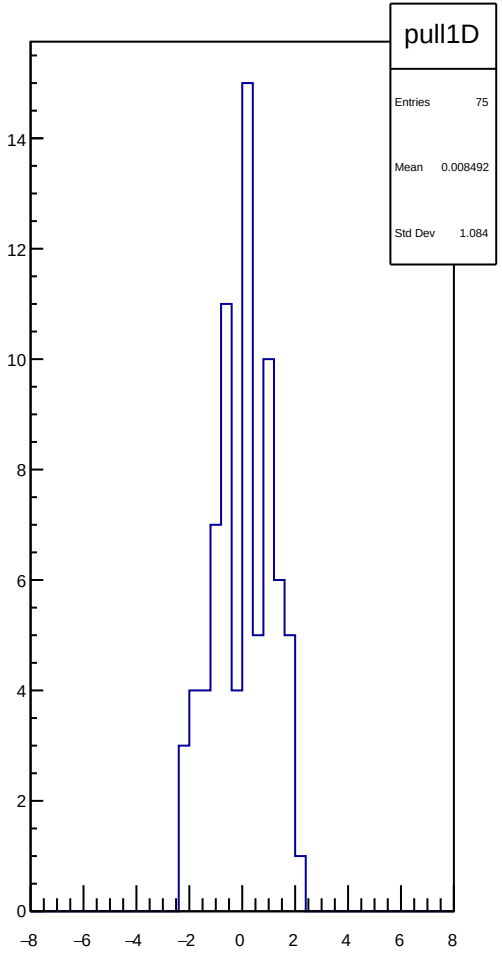

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2535 / 74
p0 70.75 ± 0.0582
84
82
80
78
76
74
72
70
68
66

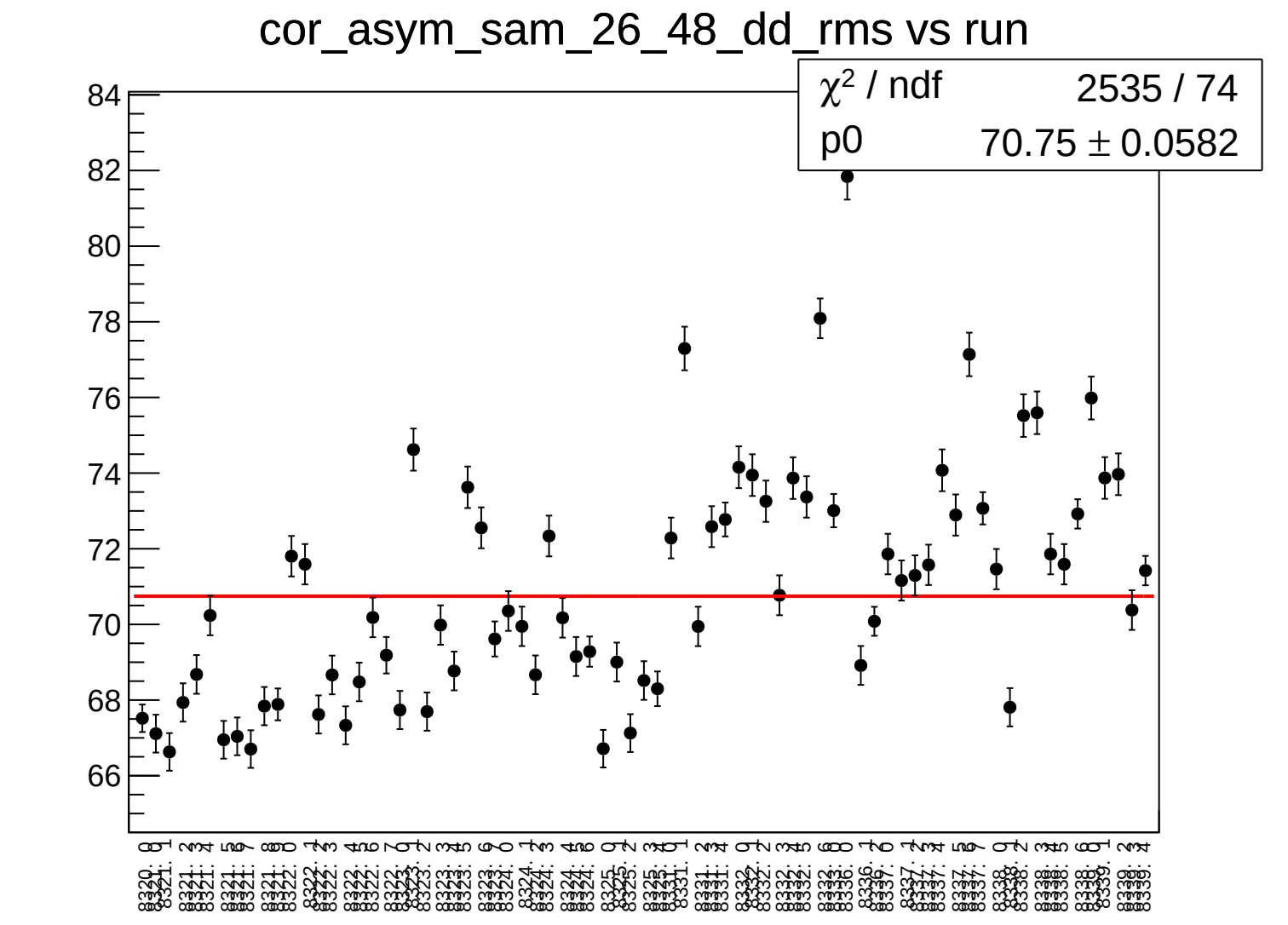

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 90.61 / 74
p0 3500 ± 750.2
pull
Entries 75
Mean −73.58
Std Dev 0

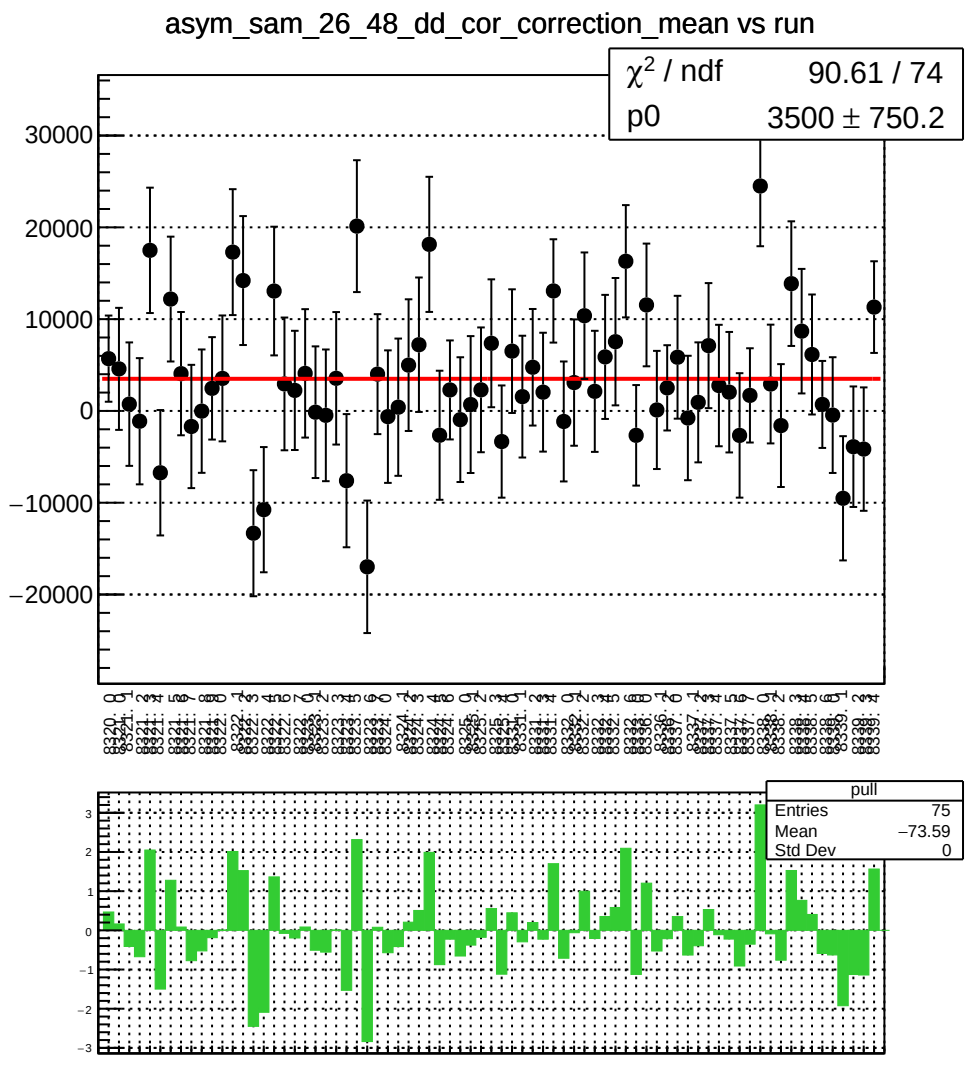

pull1D
Entries 75
Mean −0.004443
Std Dev 1.099

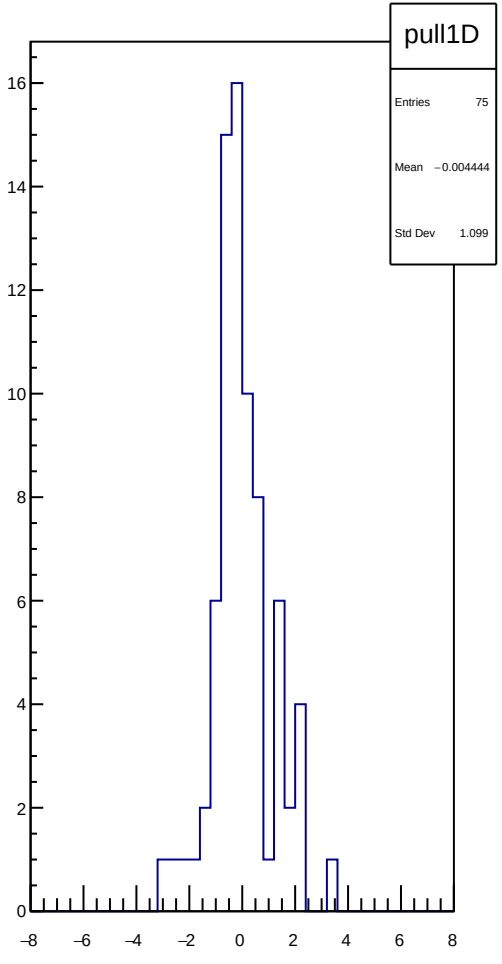

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 2149 / 74
p0 644.9 ± 0.5305
720
700
680
660
640
620
600

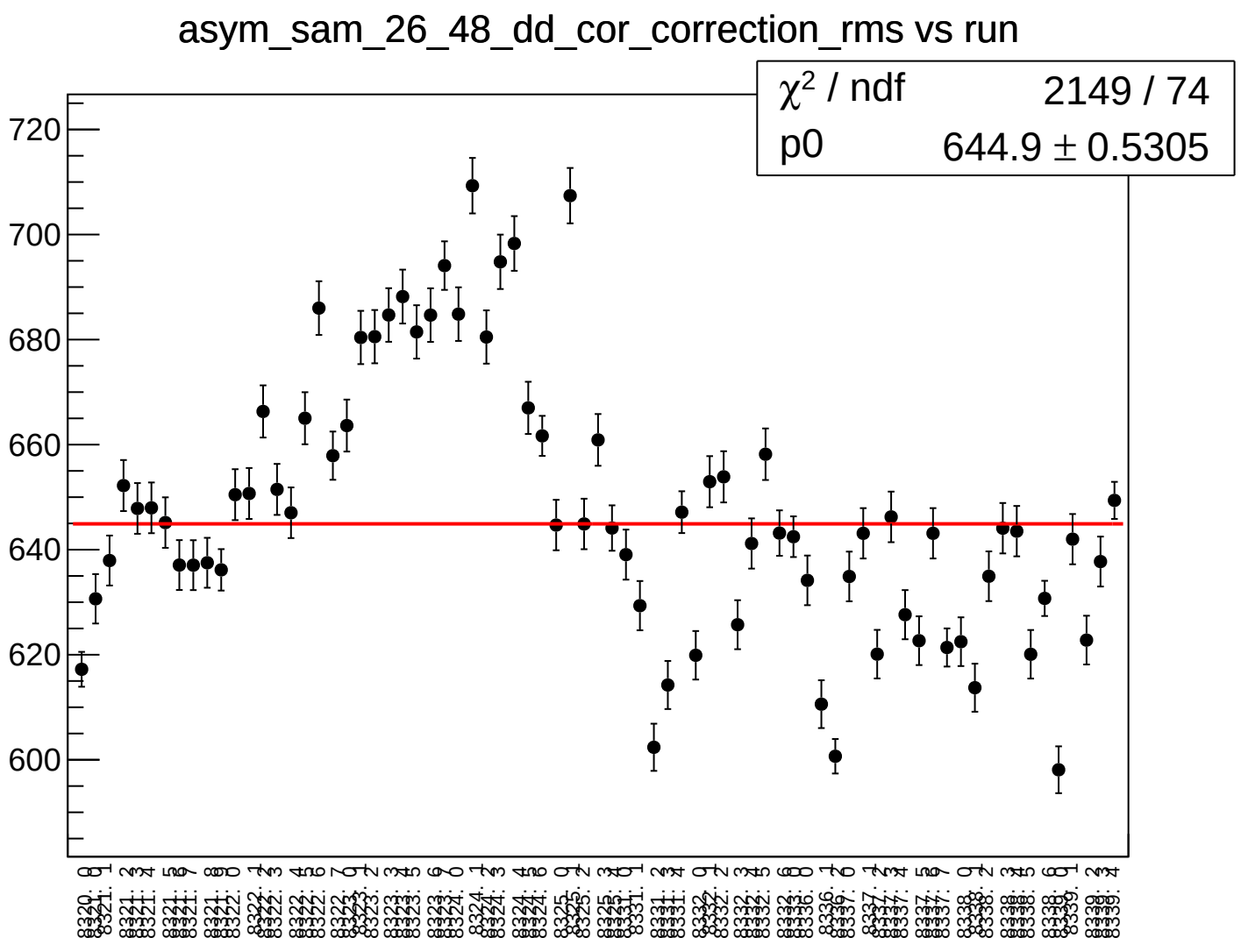

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 88.12 / 74
p0 −273.4 ± 82.31
pull
Entries 75
Mean −779.7
Std Dev 0

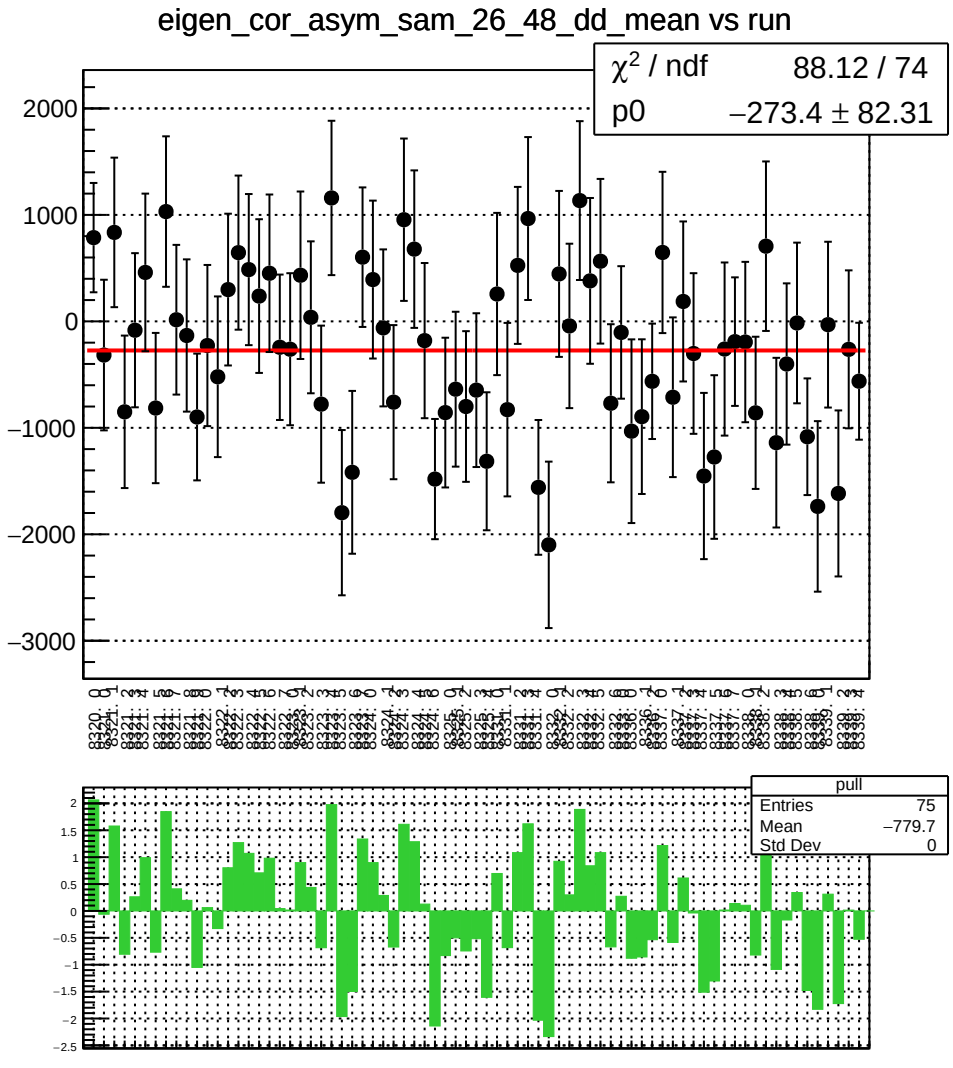

pull1D
Entries 75
Mean 0.008492
Std Dev 1.084

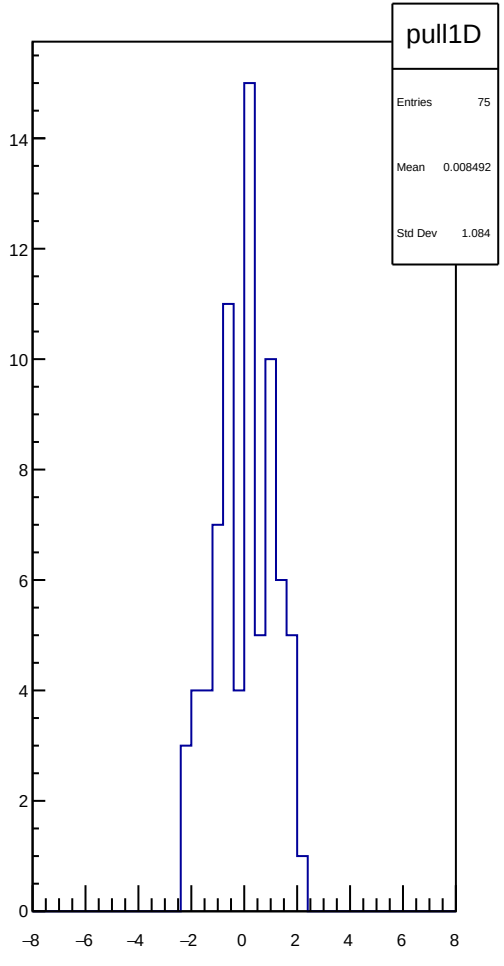

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2535 / 74
p0 70.75 ± 0.0582
84
82
80
78
76
74
72
70
68
66

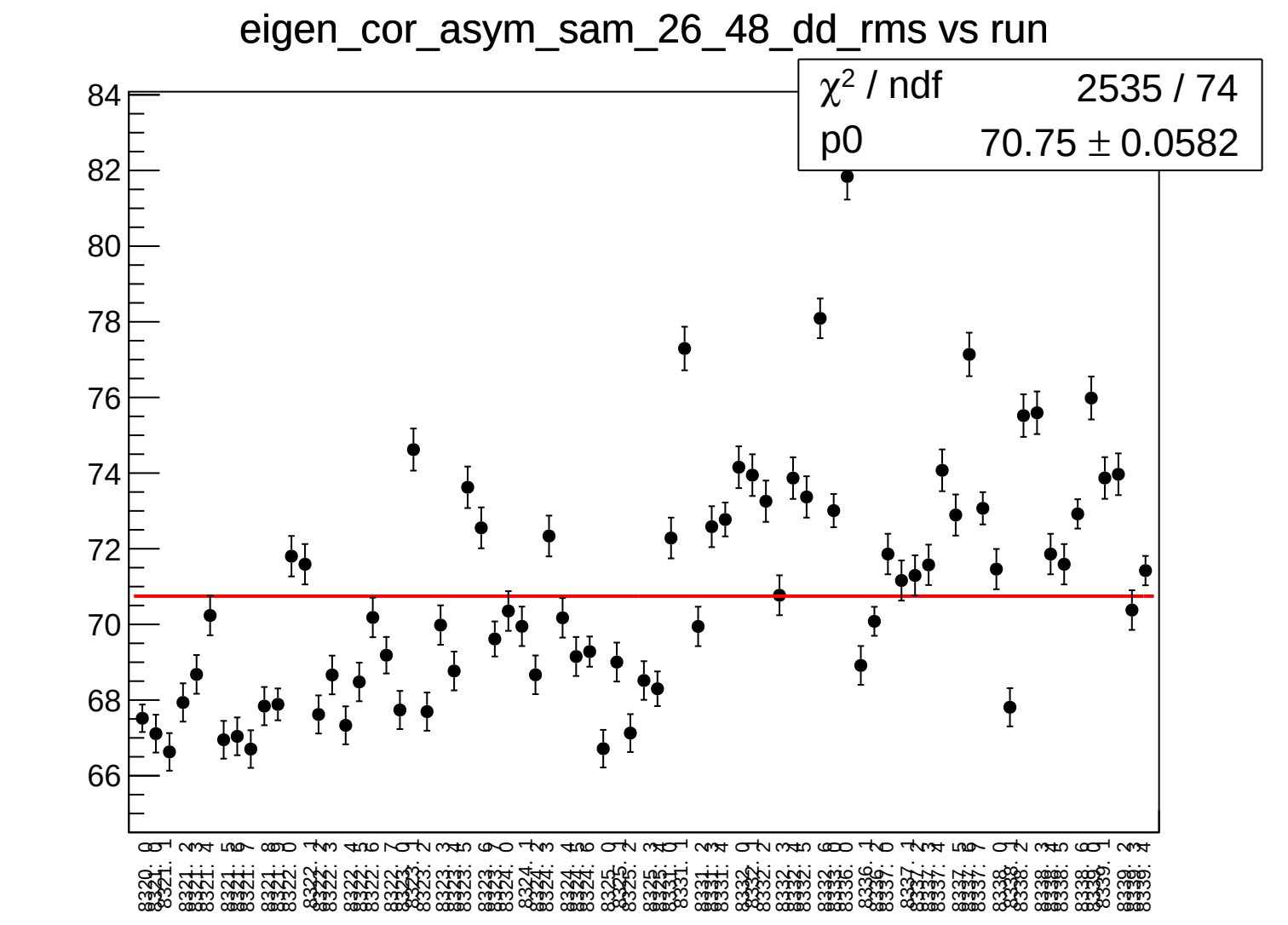

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 90.61 / 74
p0 3500 ± 750.2
pull
Entries 75
Mean −73.59
Std Dev 0

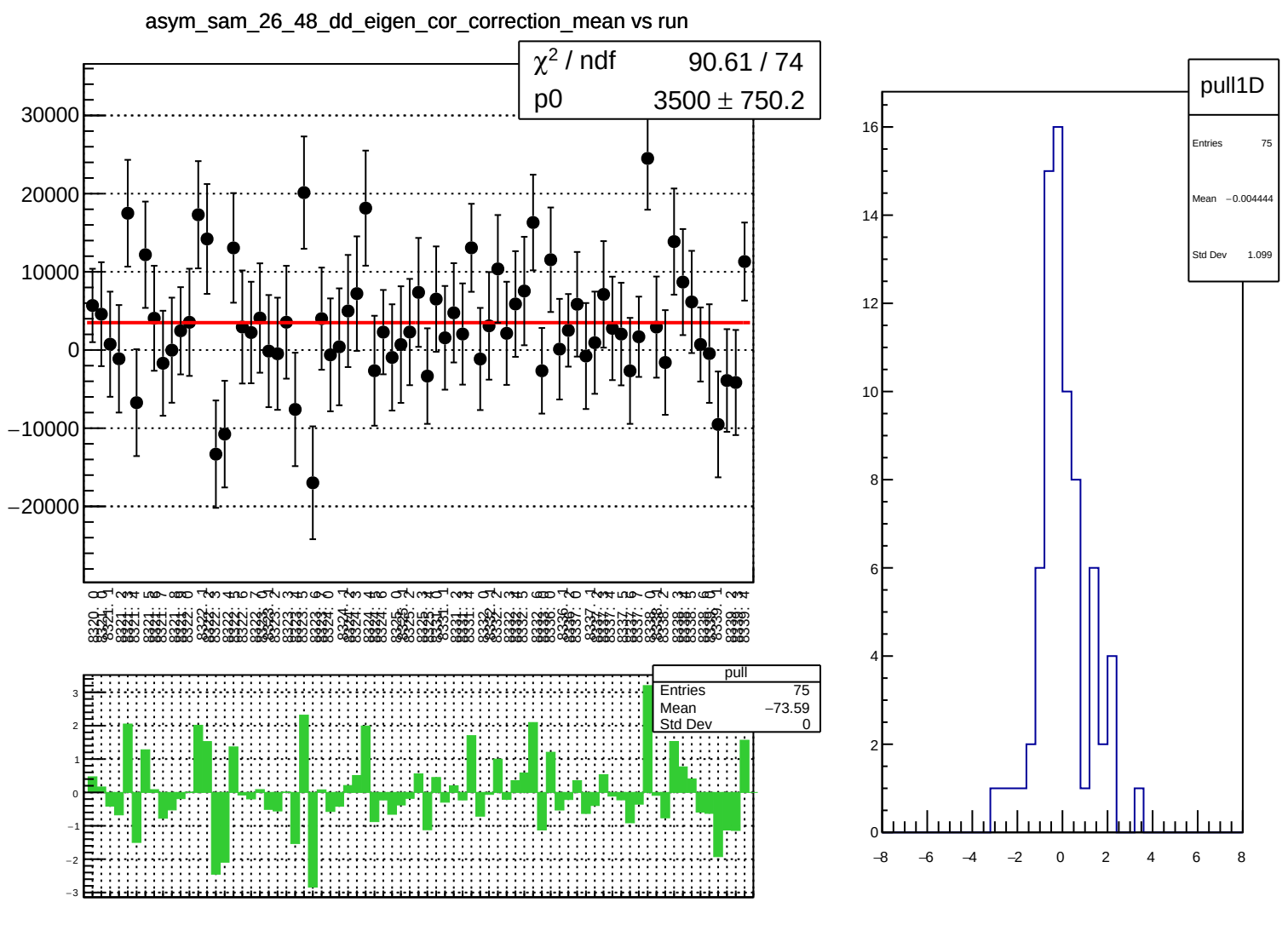

pull1D
Entries 75
Mean −0.004444
Std Dev 1.099

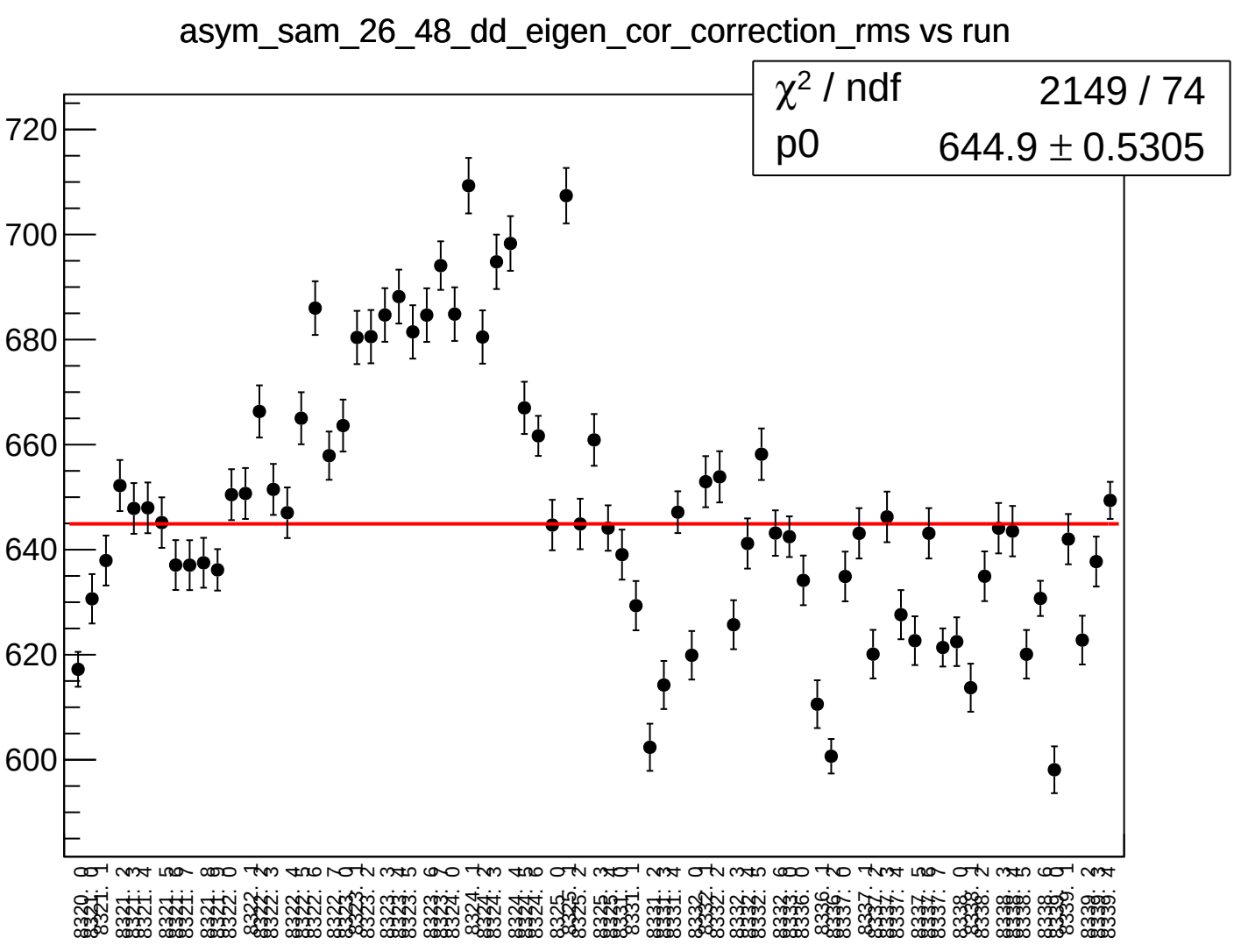

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 2149 / 74
p0 644.9 ± 0.5305
720
700
680
660
640
620
600

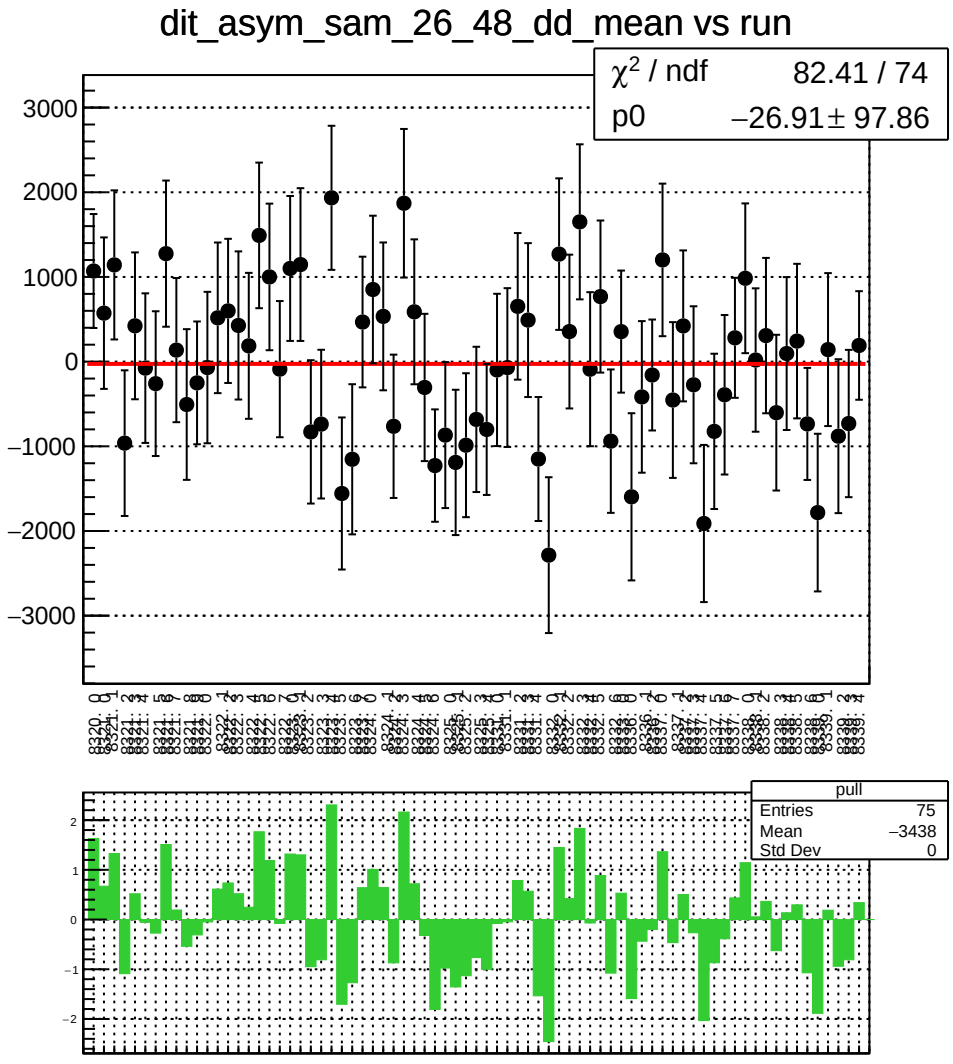

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 88.12 / 74
p0 −273.4 ± 82.31
2000
1000
0
−1000
−2000
−3000
pull
Entries 75
Mean −779.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

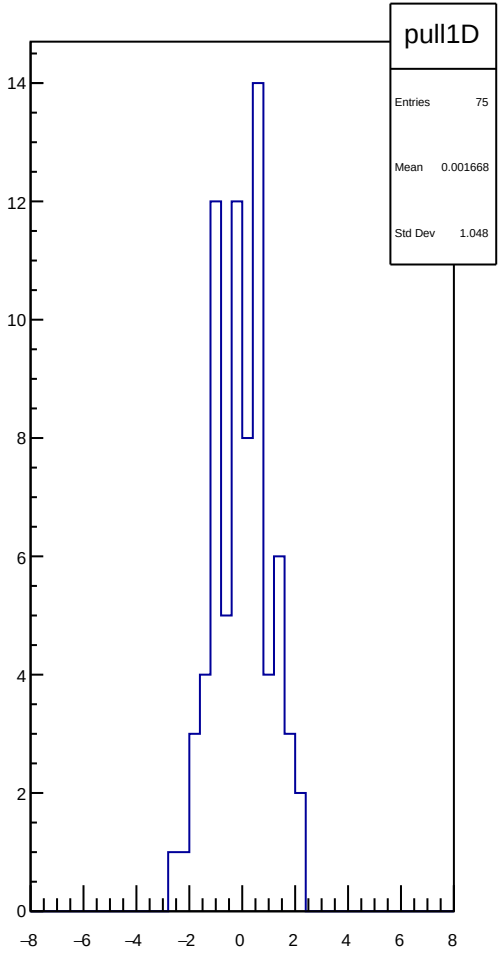

pull1D
Entries 75
Mean 0.008492
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

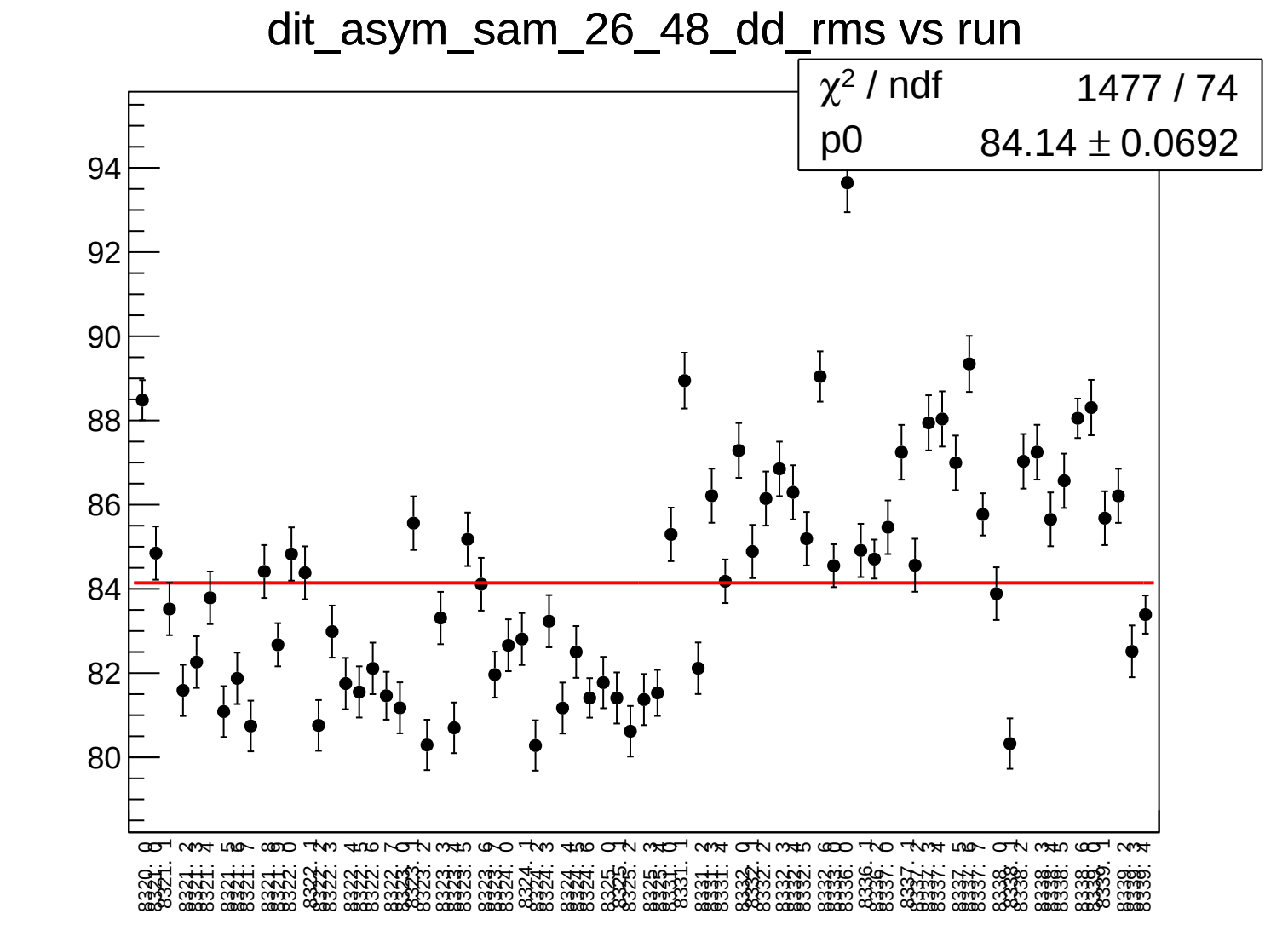

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2535 / 74
p0 70.75 ± 0.0582
84
82
80
78
76
74
72
70
68
66

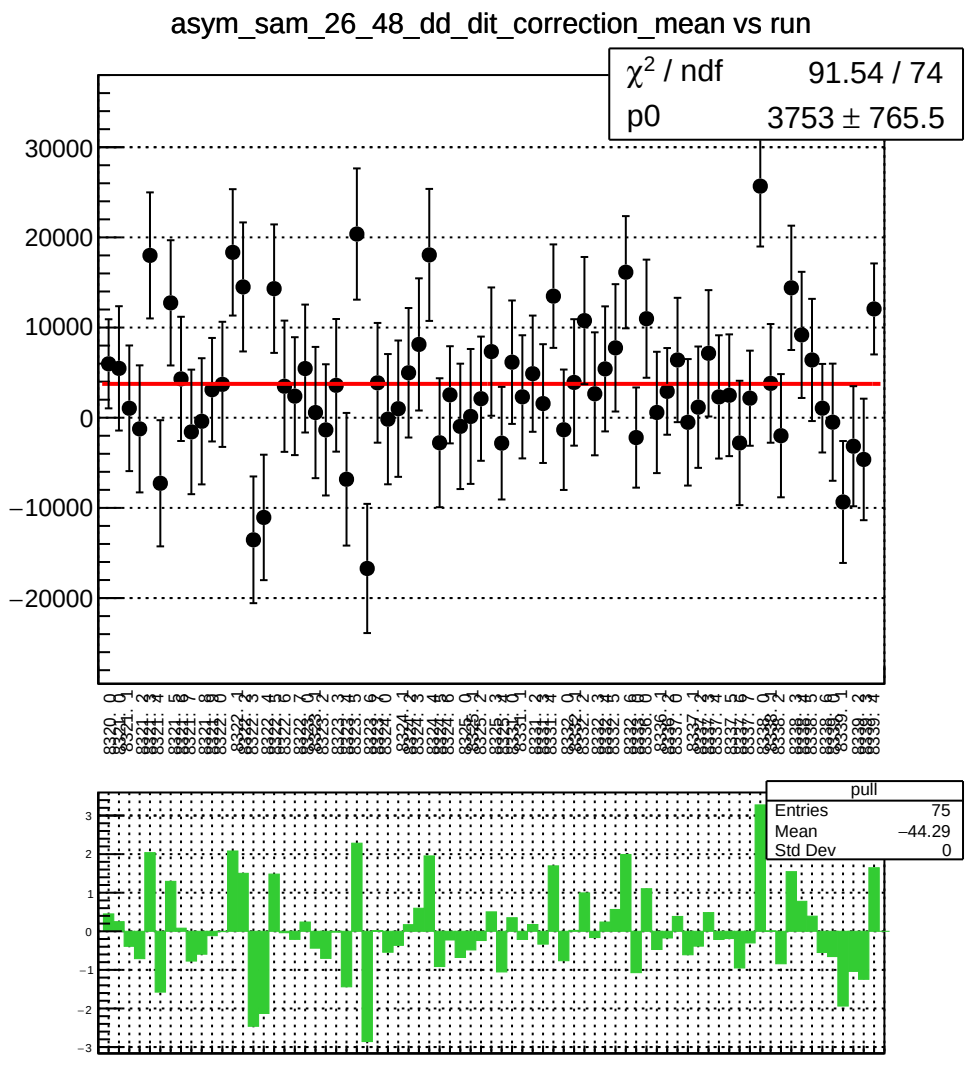

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 90.61 / 74
p0 3500 ± 750.2
pull
Entries 75
Mean −73.59
Std Dev 0
pull1D
Entries 75
Mean −0.004444
Std Dev 1.099

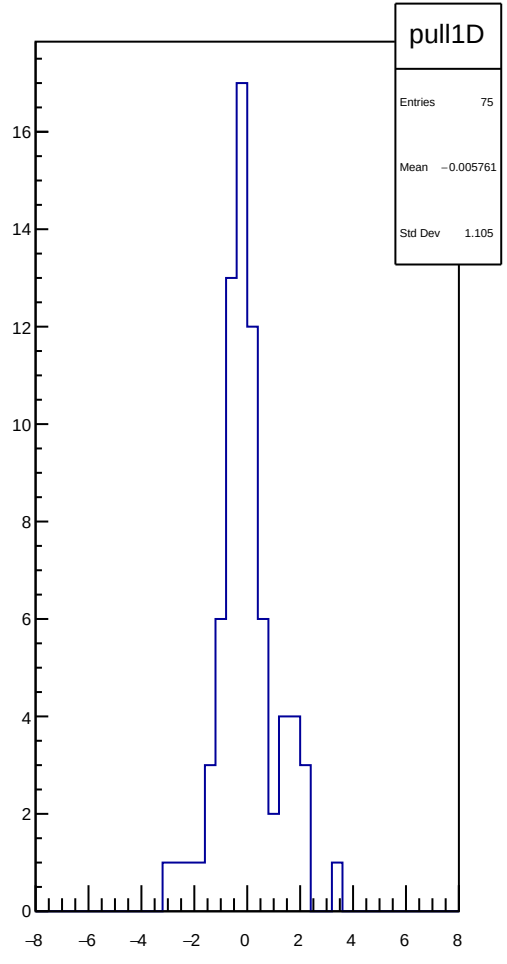

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2149 / 74
p0 644.9 ± 0.5305
720
700
680
660
640
620
600

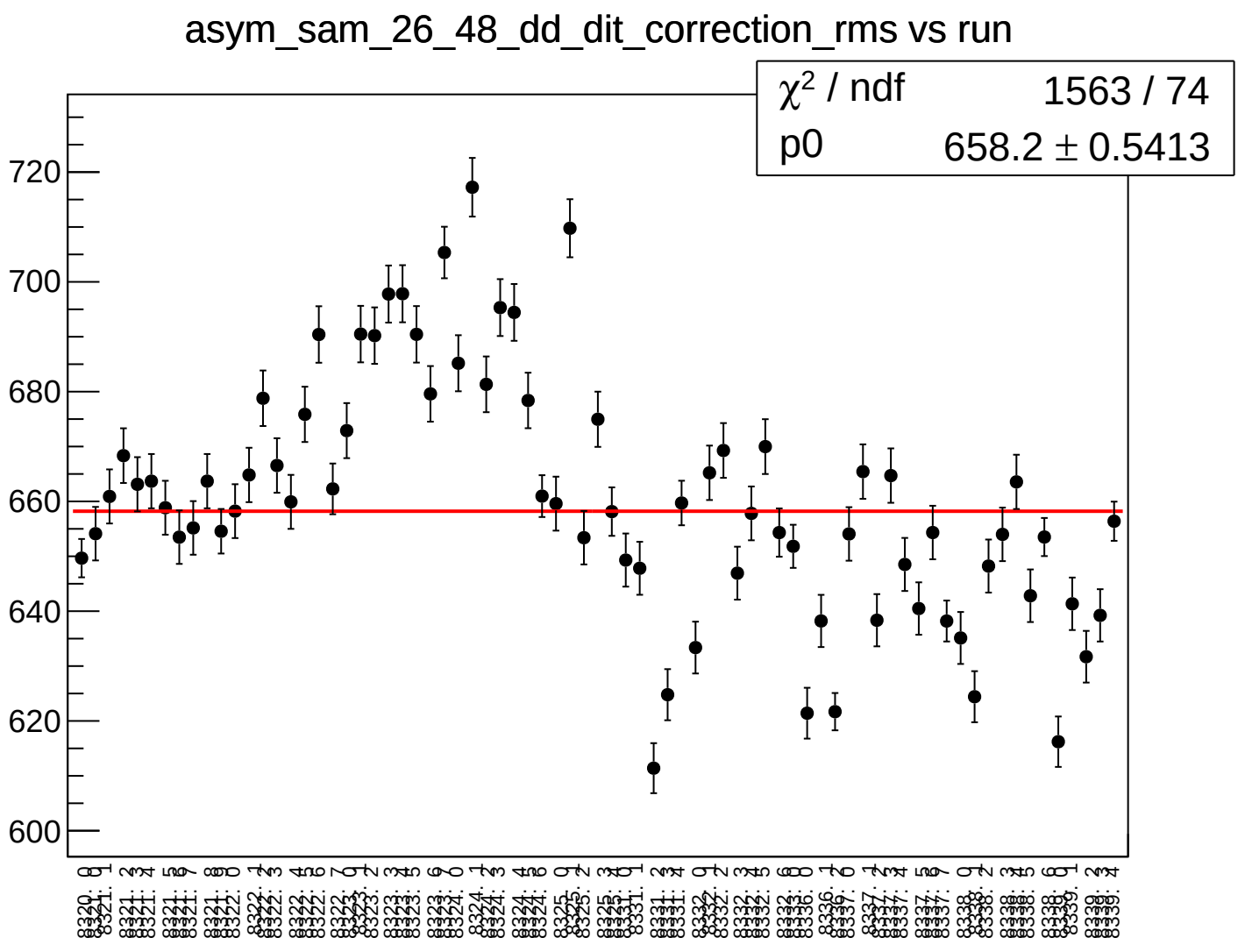

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 82.41 / 74
p0 −26.91 ± 97.86
pull
Entries 75
Mean −3438
Std Dev 0

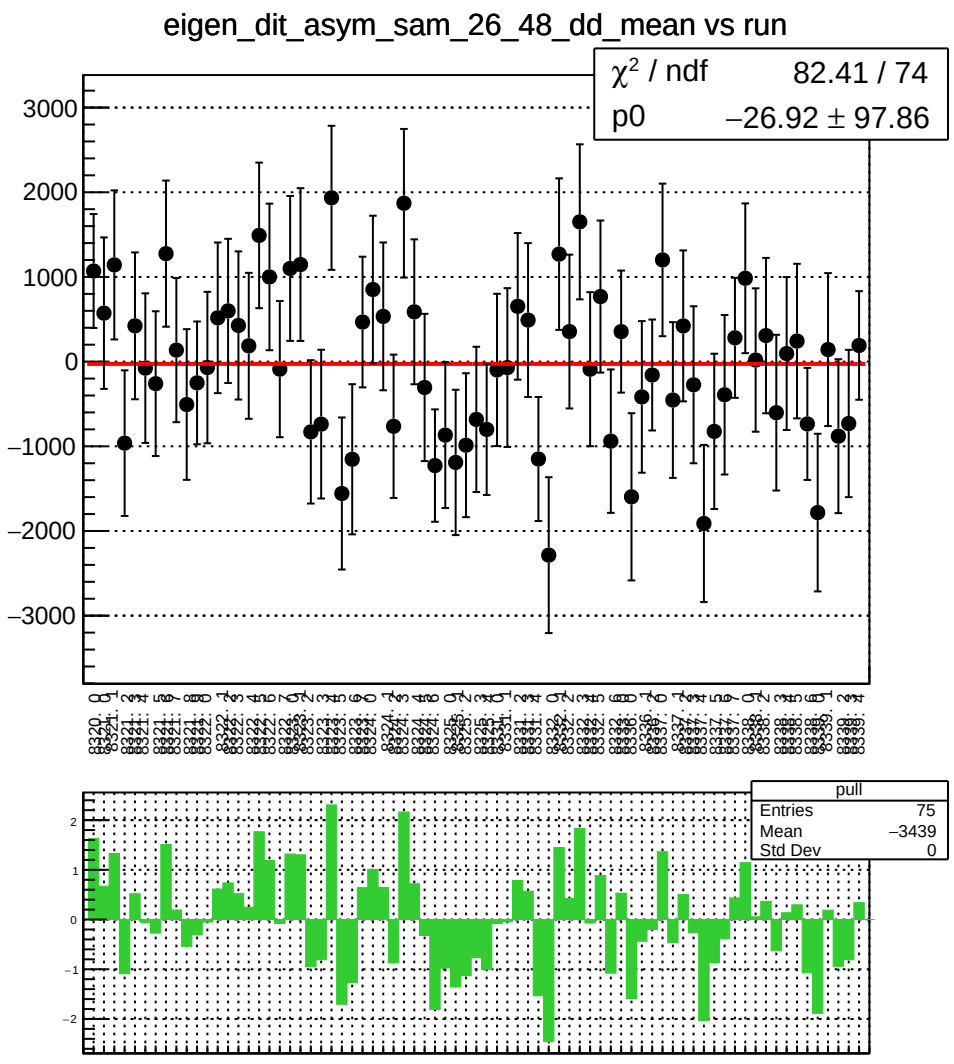

pull1D
Entries 75
Mean 0.001668
Std Dev 1.048

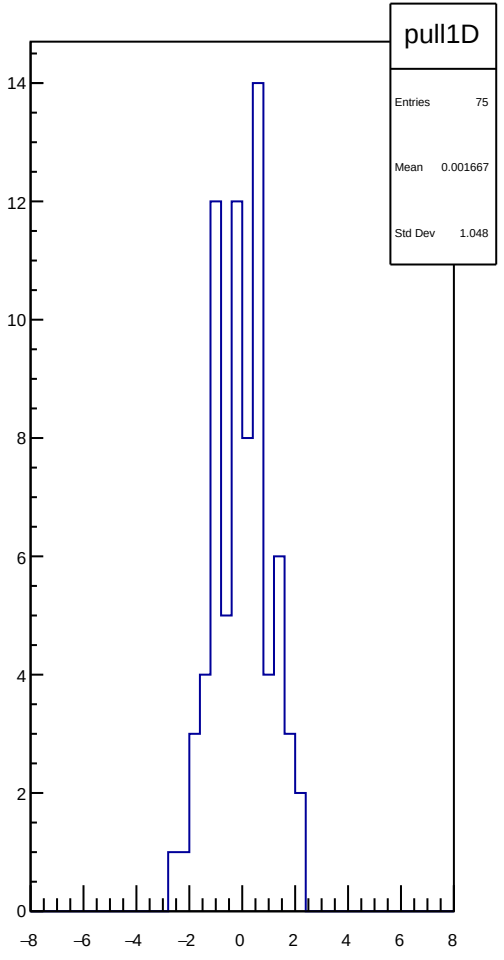

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1477 / 74
p0 84.14 ± 0.0692
94
92
90
88
86
84
82
80

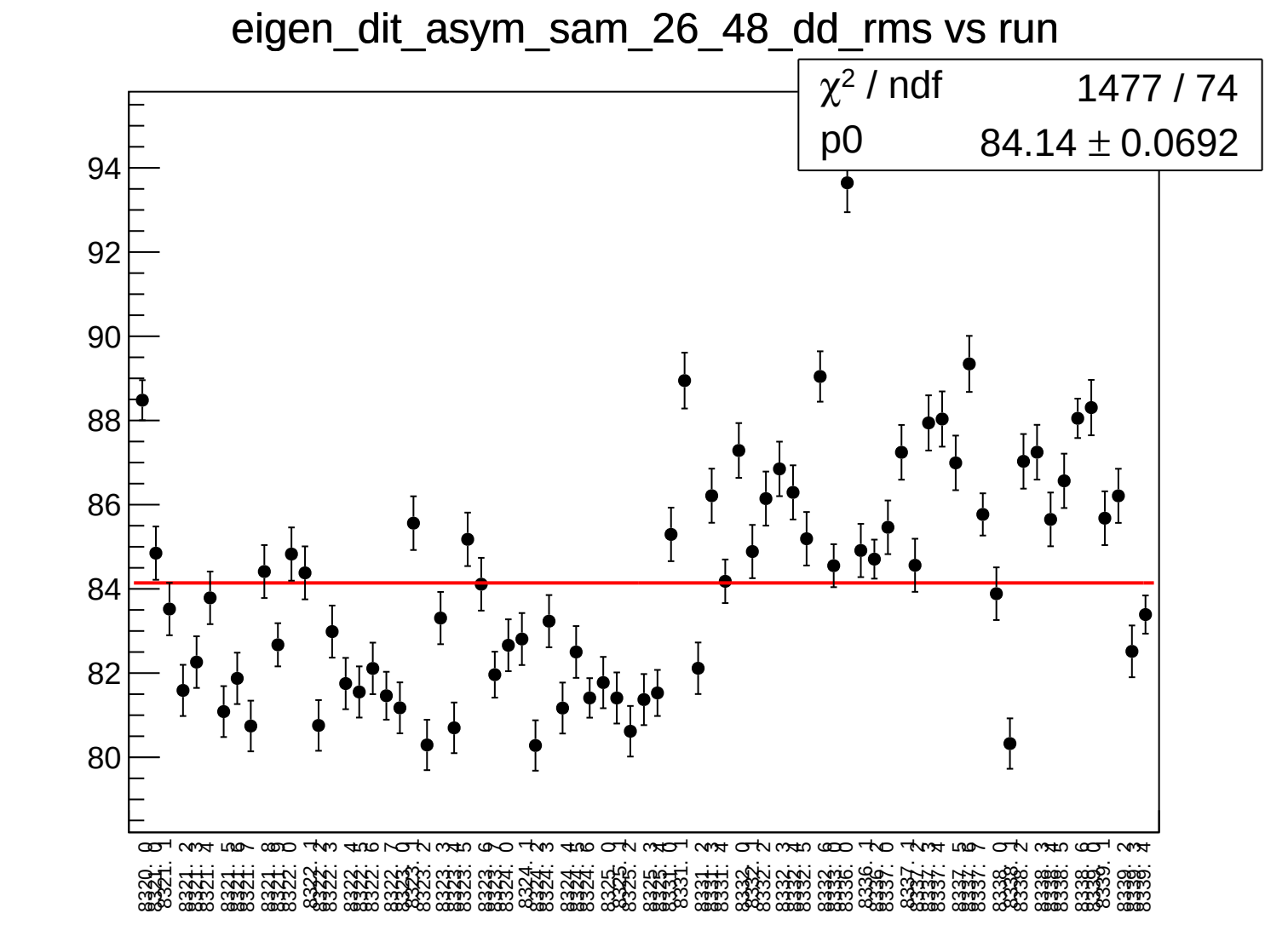

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 91.54 / 74
p0 3753 ± 765.5
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −44.29
Std Dev 0
3
2
1
0
−1
−2
−3

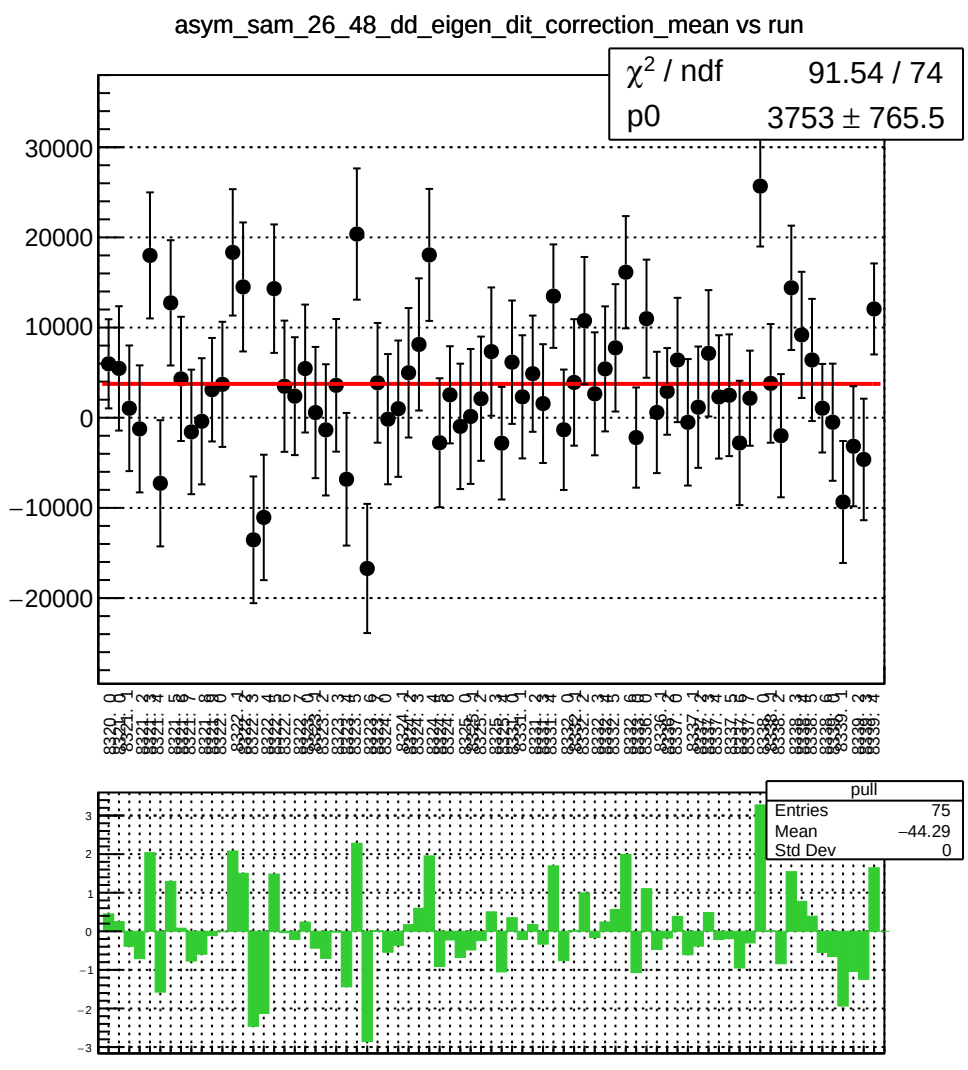

pull1D
Entries 75
Mean −0.005761
Std Dev 1.105
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

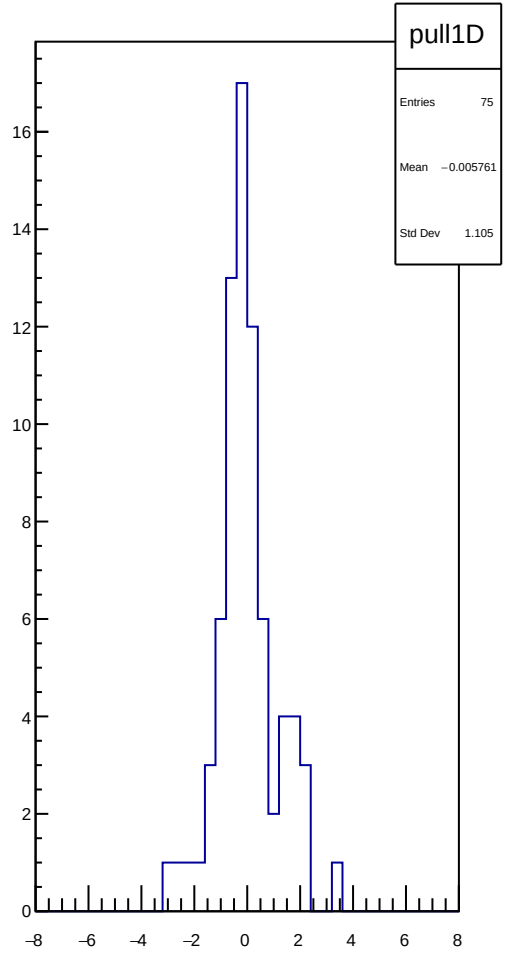

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1563 / 74
p0 658.2 ± 0.5413
720
700
680
660
640
620
600

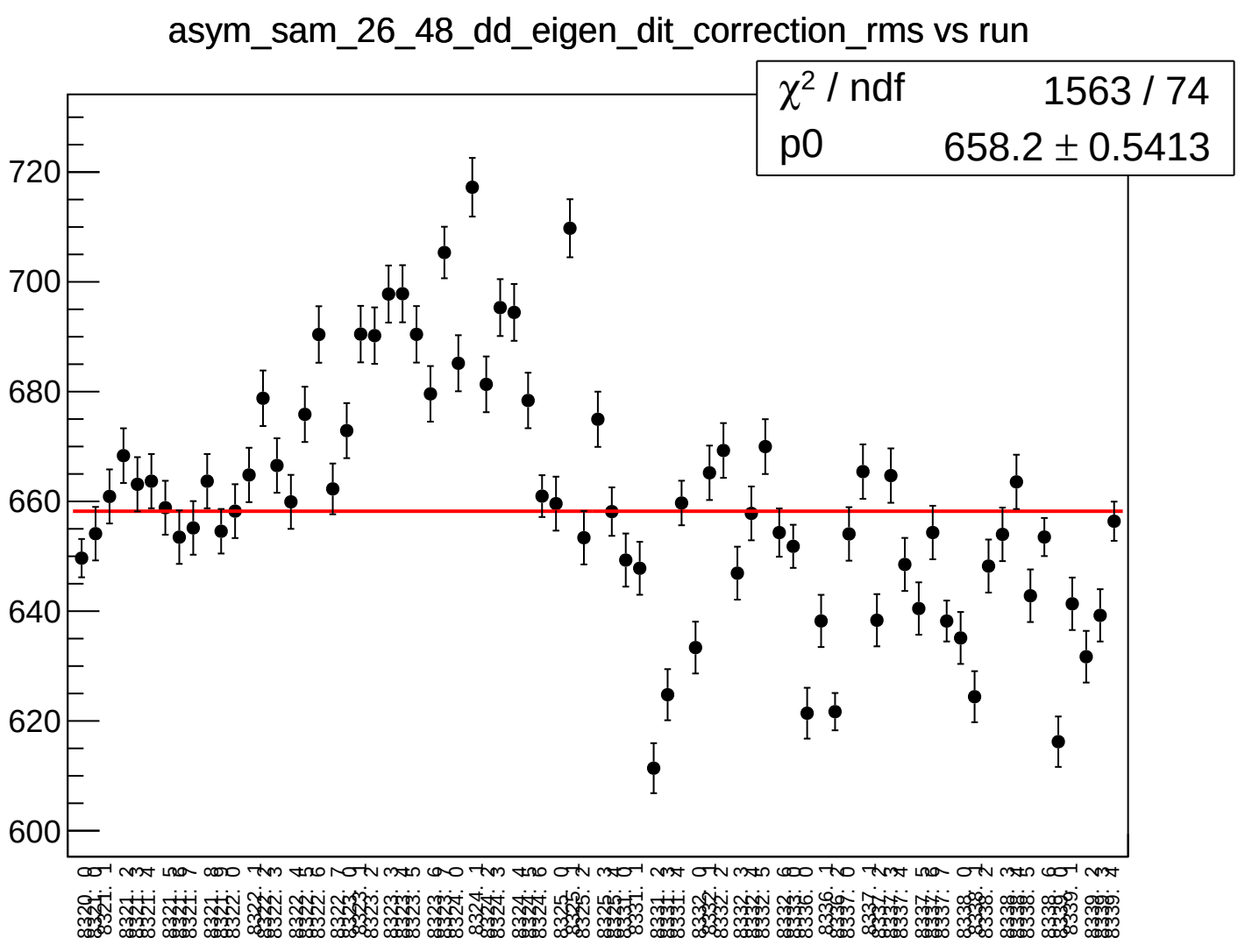

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 82.41 / 74
p0 −26.92 ± 97.86
pull
Entries 75
Mean −3439
Std Dev 0

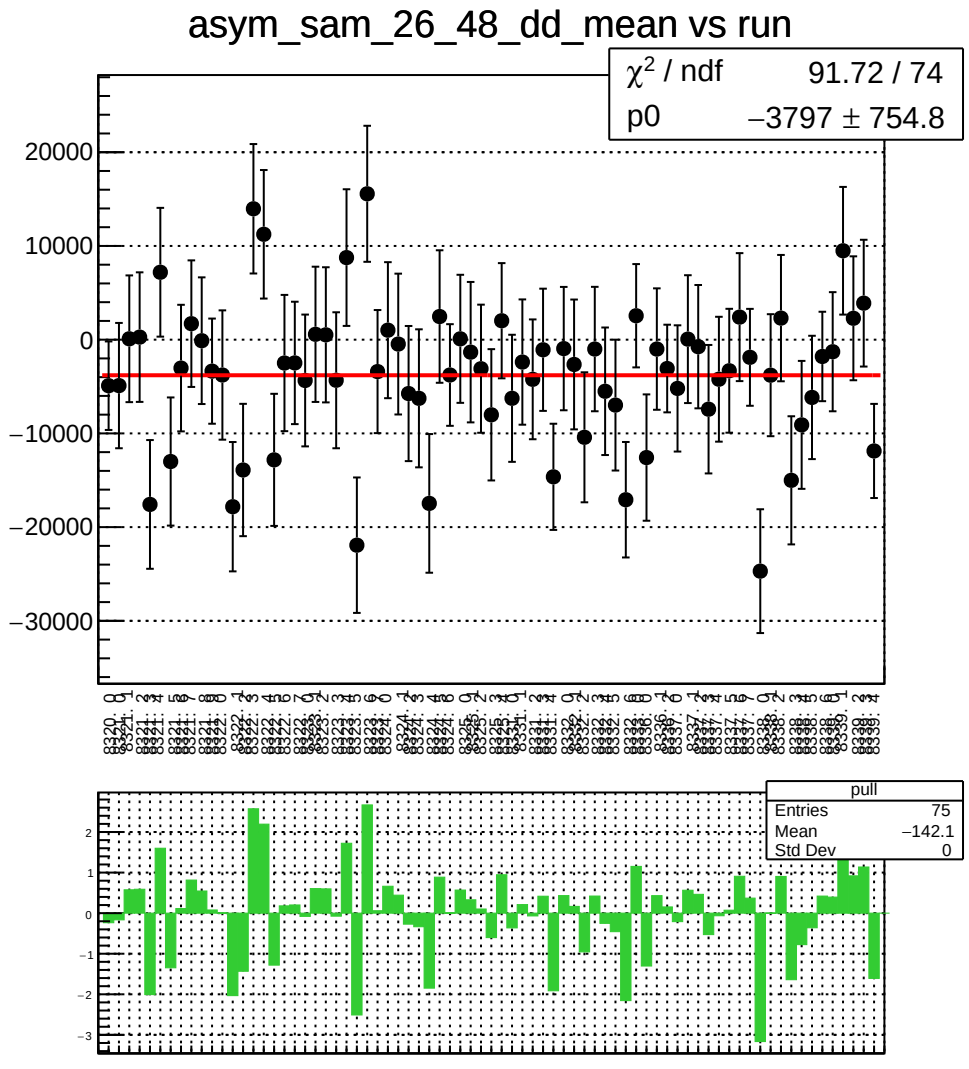

pull1D
Entries 75
Mean 0.001667
Std Dev 1.048

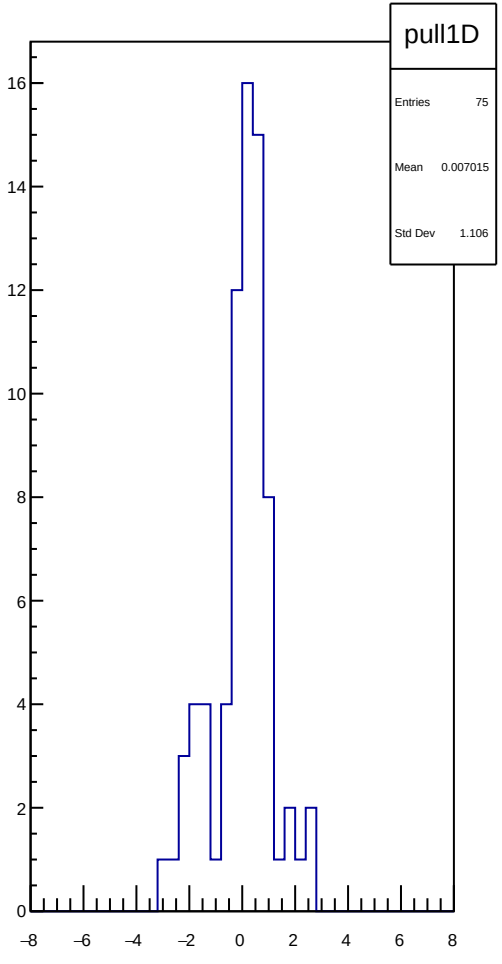

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1477 / 74
p0 84.14 ± 0.0692
94
92
90
88
86
84
82
80

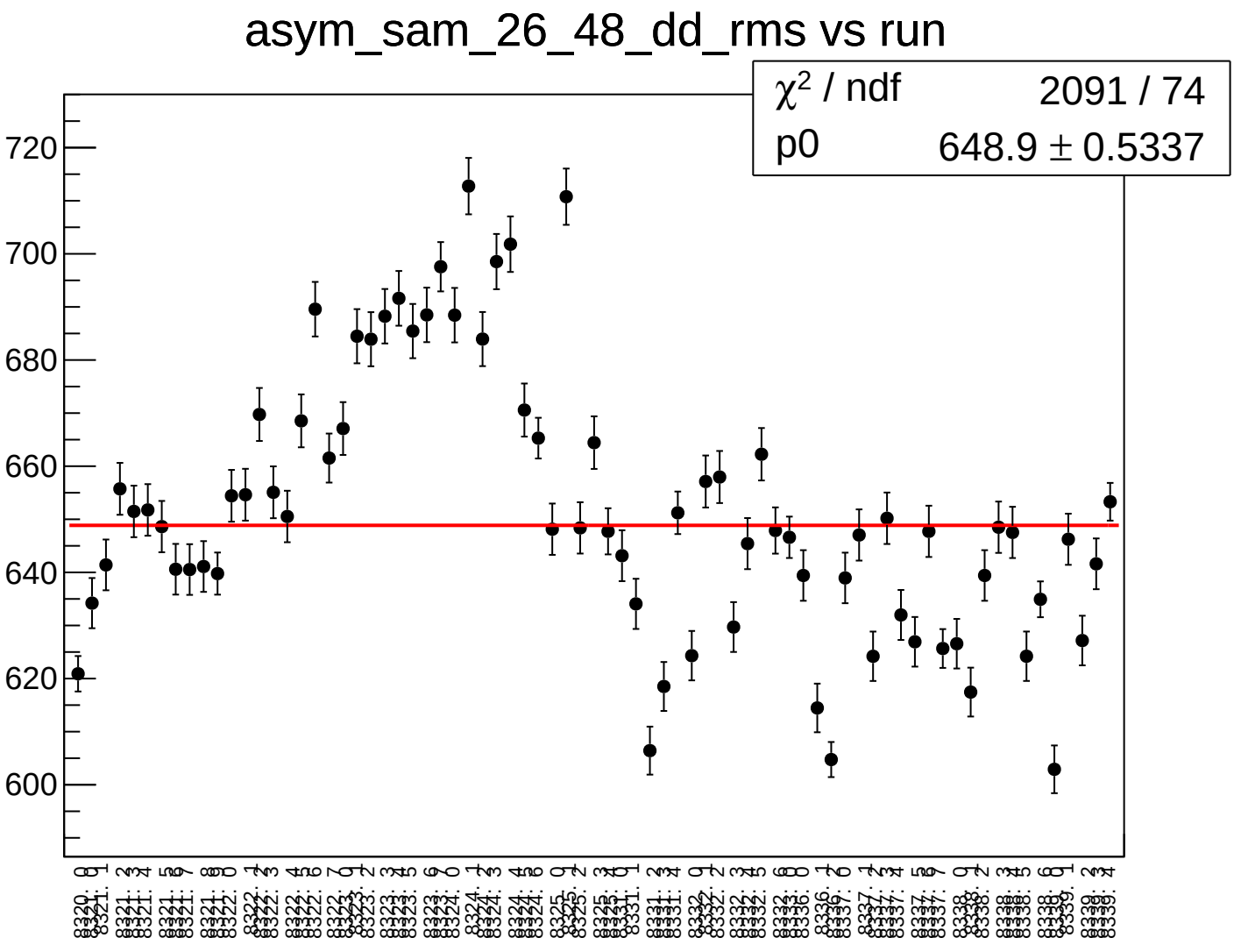

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 91.54 / 74
p0 3753 ± 765.5
30000
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −44.29
Std Dev 0
3
2
1
0
−1
−2
−3

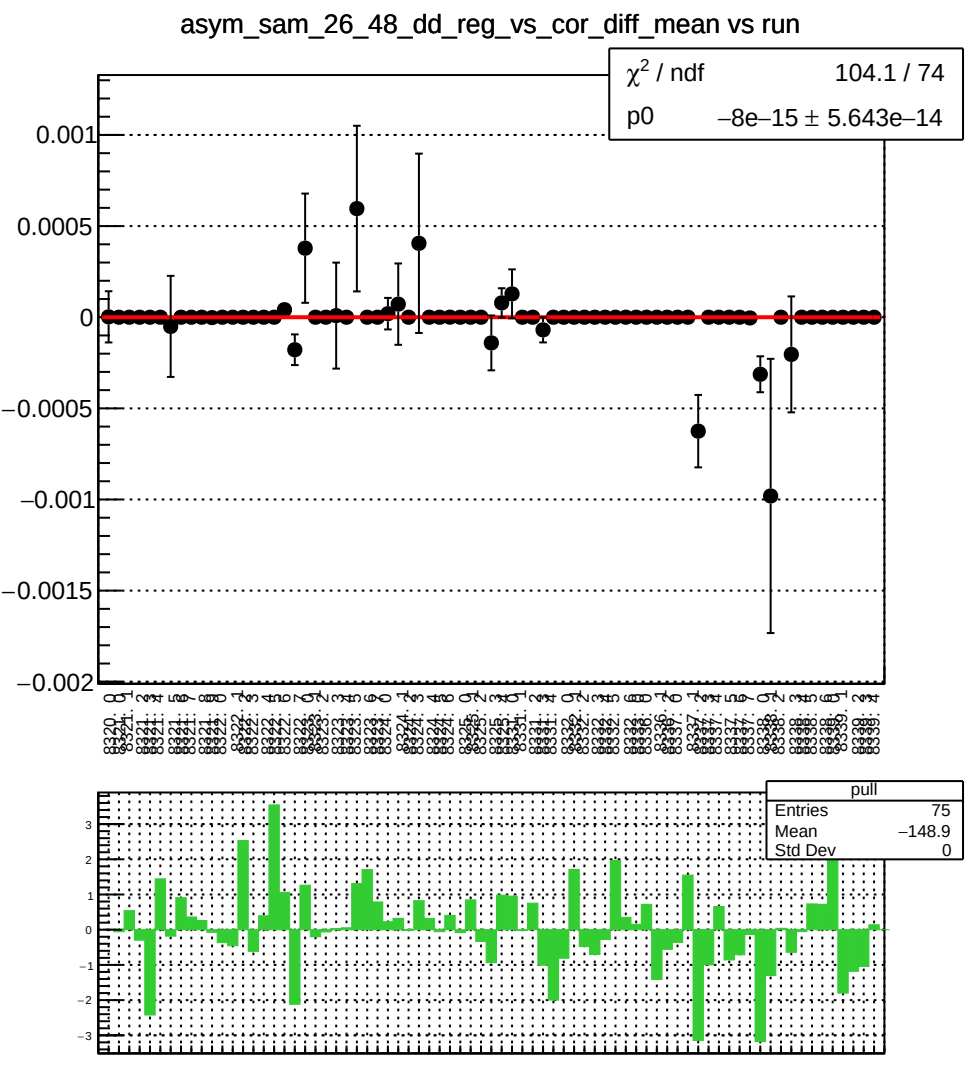

pull1D
Entries 75
Mean −0.005761
Std Dev 1.105
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

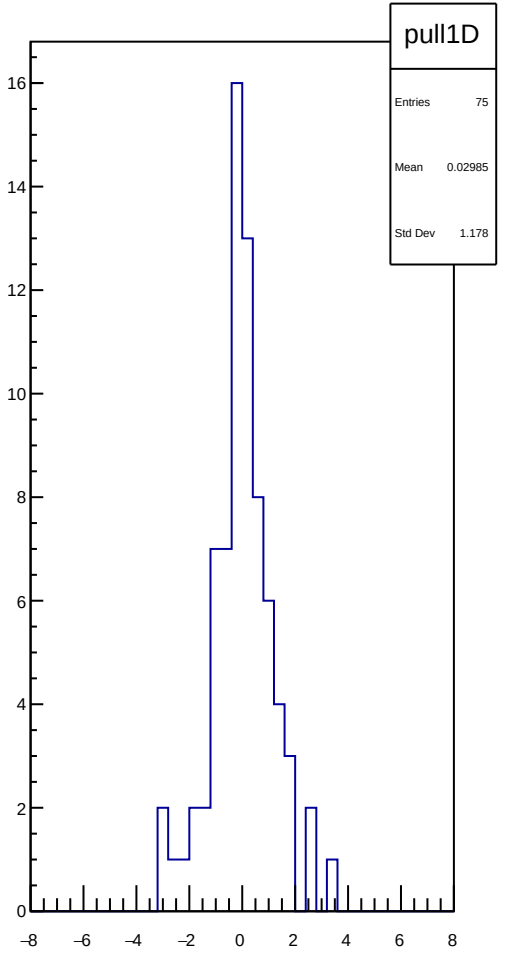

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1563 / 74
p0 658.2 ± 0.5413
720
700
680
660
640
620
600

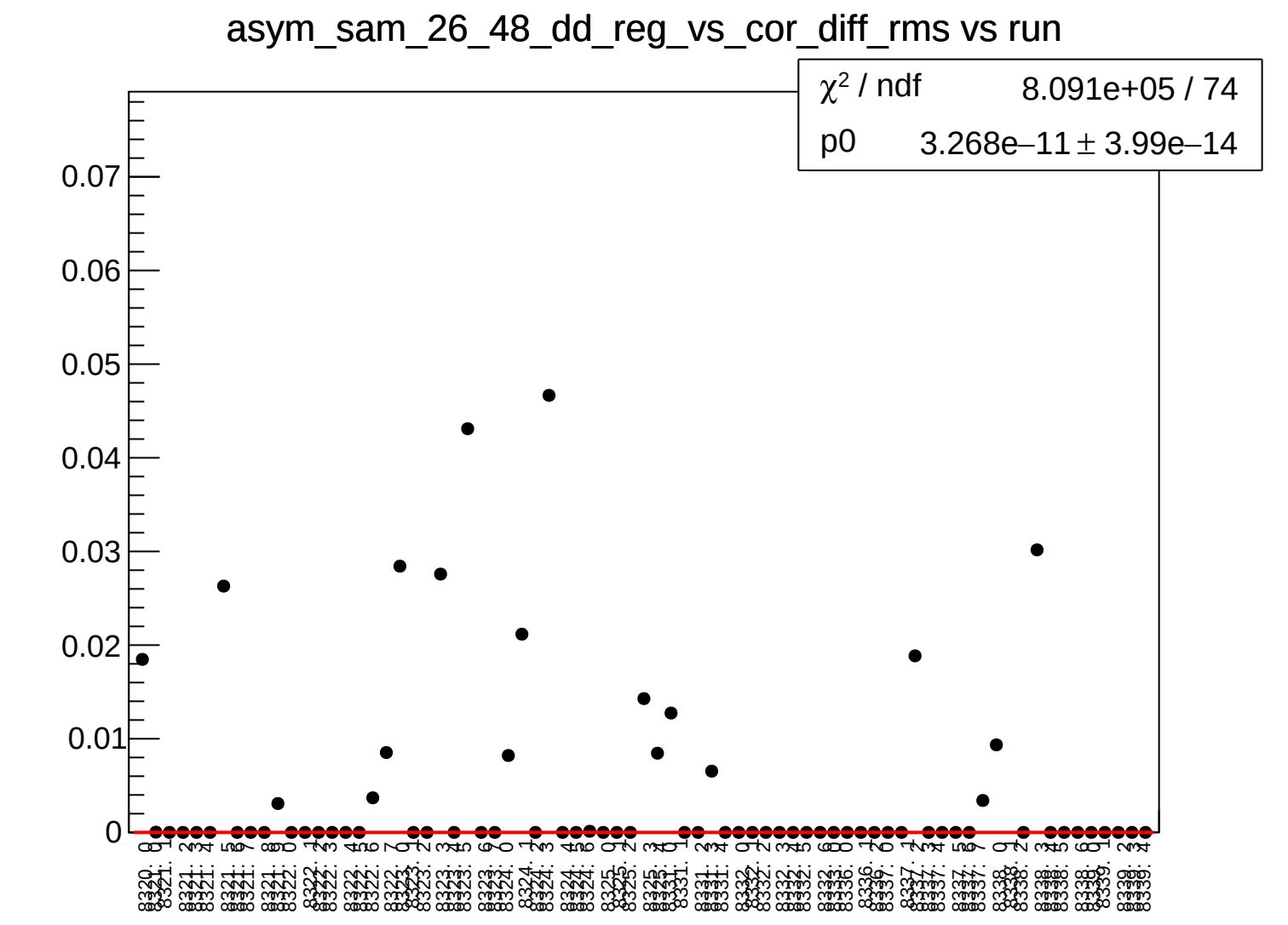

asym_sam_26_48_dd_mean vs run
χ² / ndf 91.72 / 74
p0 −3797 ± 754.8
pull
Entries 75
Mean −142.1
Std Dev 0

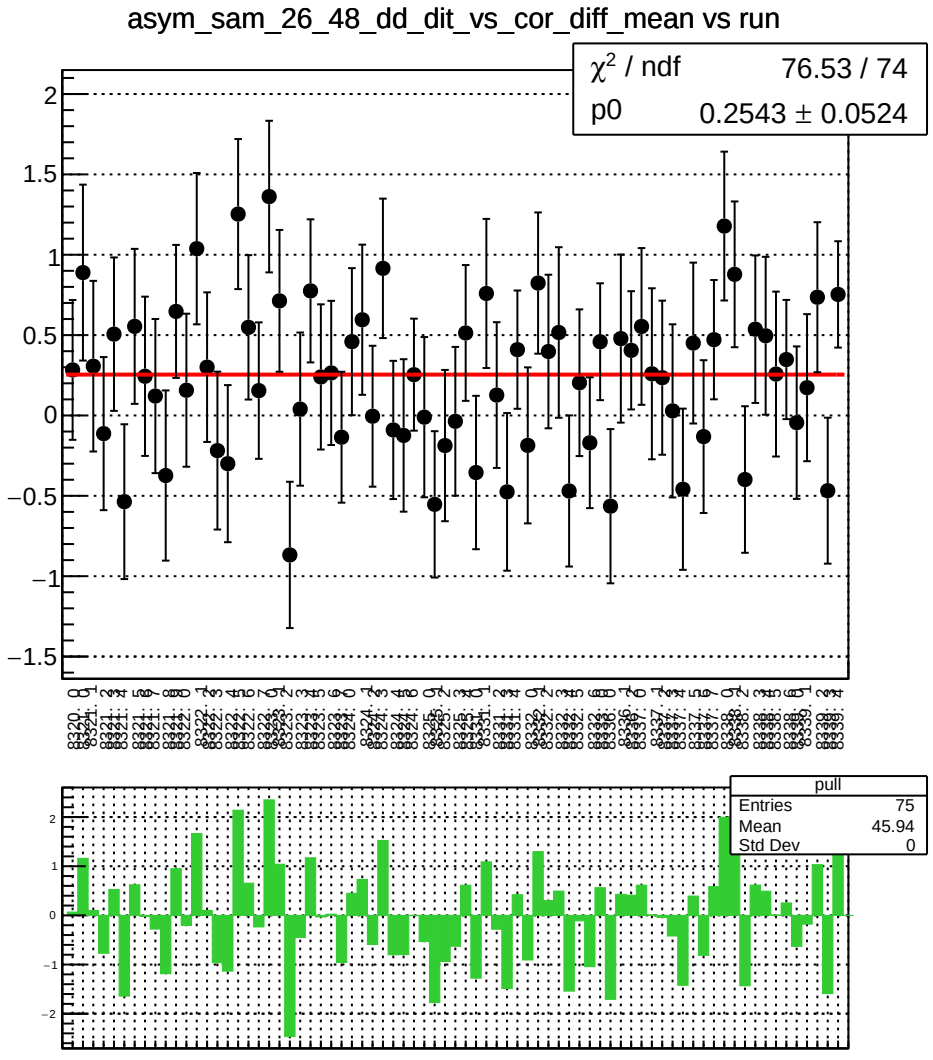

pull1D
Entries 75
Mean 0.007015
Std Dev 1.106

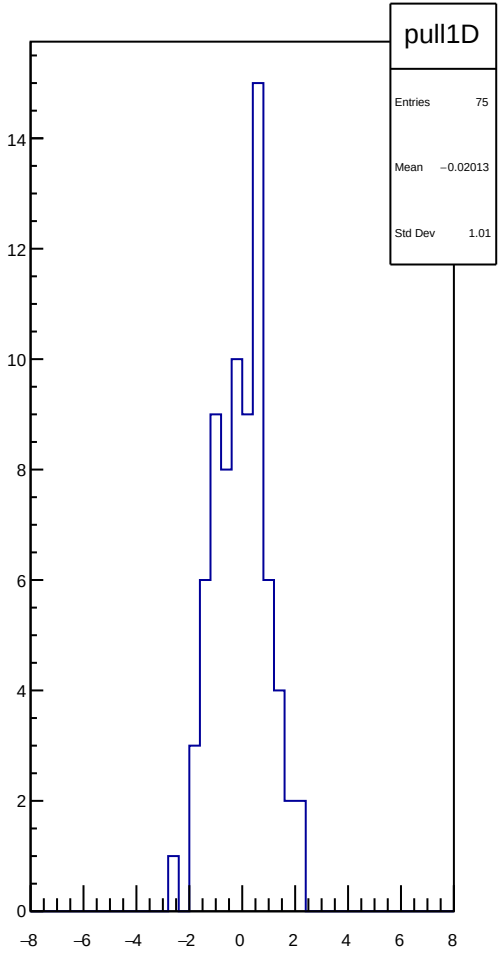

asym_sam_26_48_dd_rms vs run
χ² / ndf 2091 / 74
p0 648.9 ± 0.5337
720
700
680
660
640
620
600

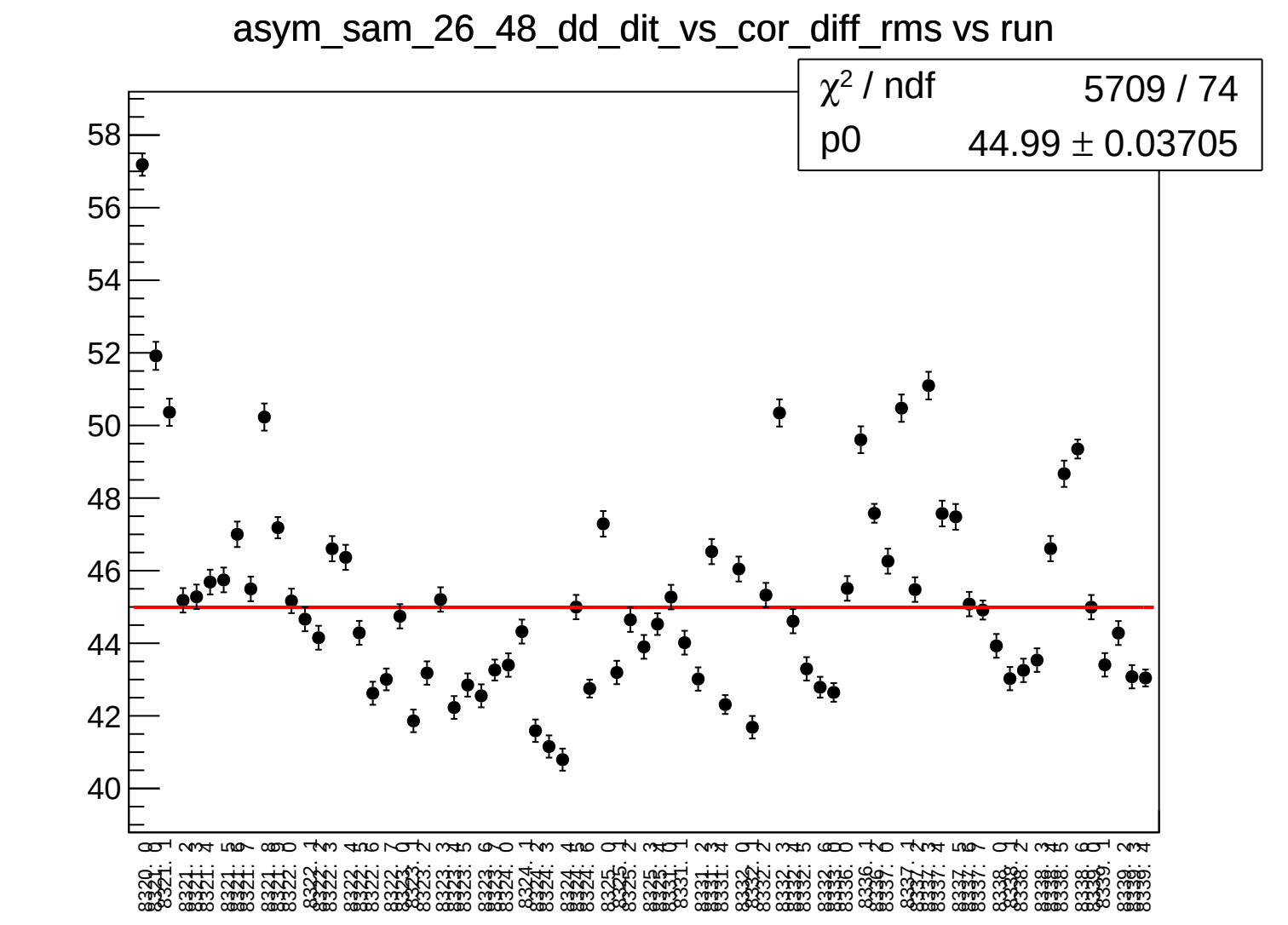

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 104.1 / 74
p0 –8e–15 ± 5.643e–14
0.001
0.0005
0
–0.0005
–0.001
–0.0015
–0.002
pull
Entries 75
Mean –148.9
Std Dev 0
3
2
1
0
–1
–2
–3

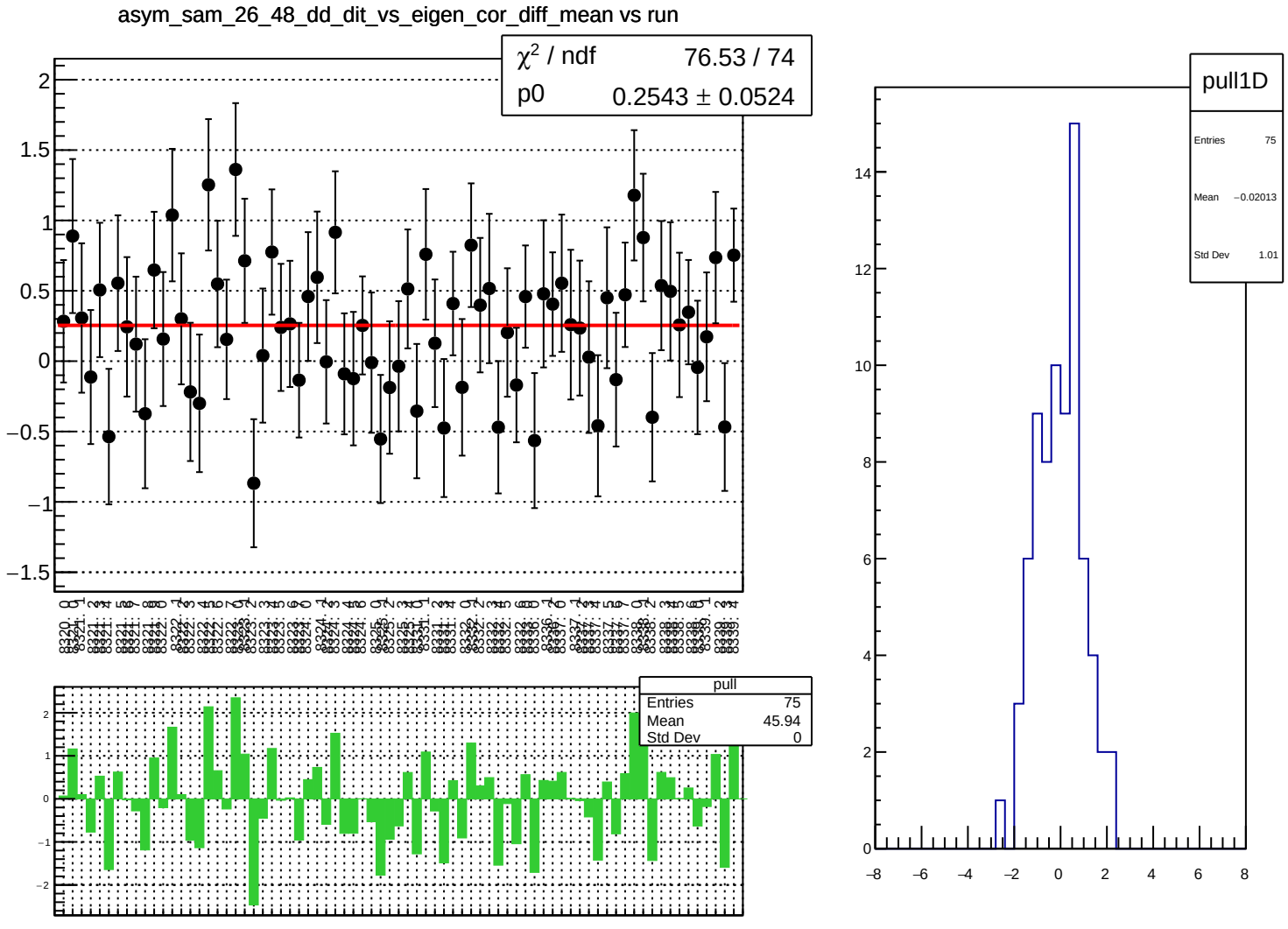

pull1D
Entries 75
Mean 0.02985
Std Dev 1.178
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

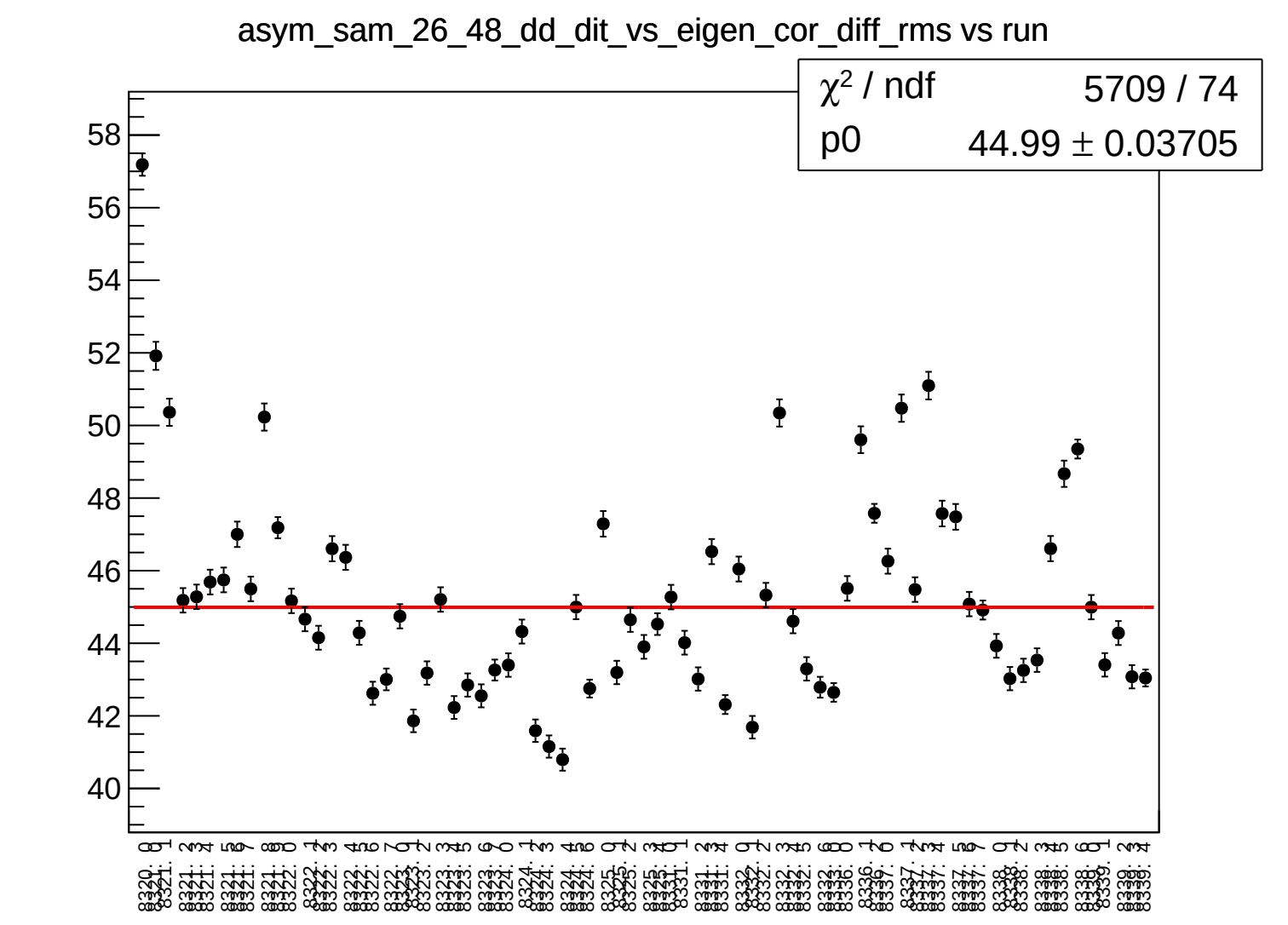

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.091e+05 / 74
p0 3.268e−11 ± 3.99e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

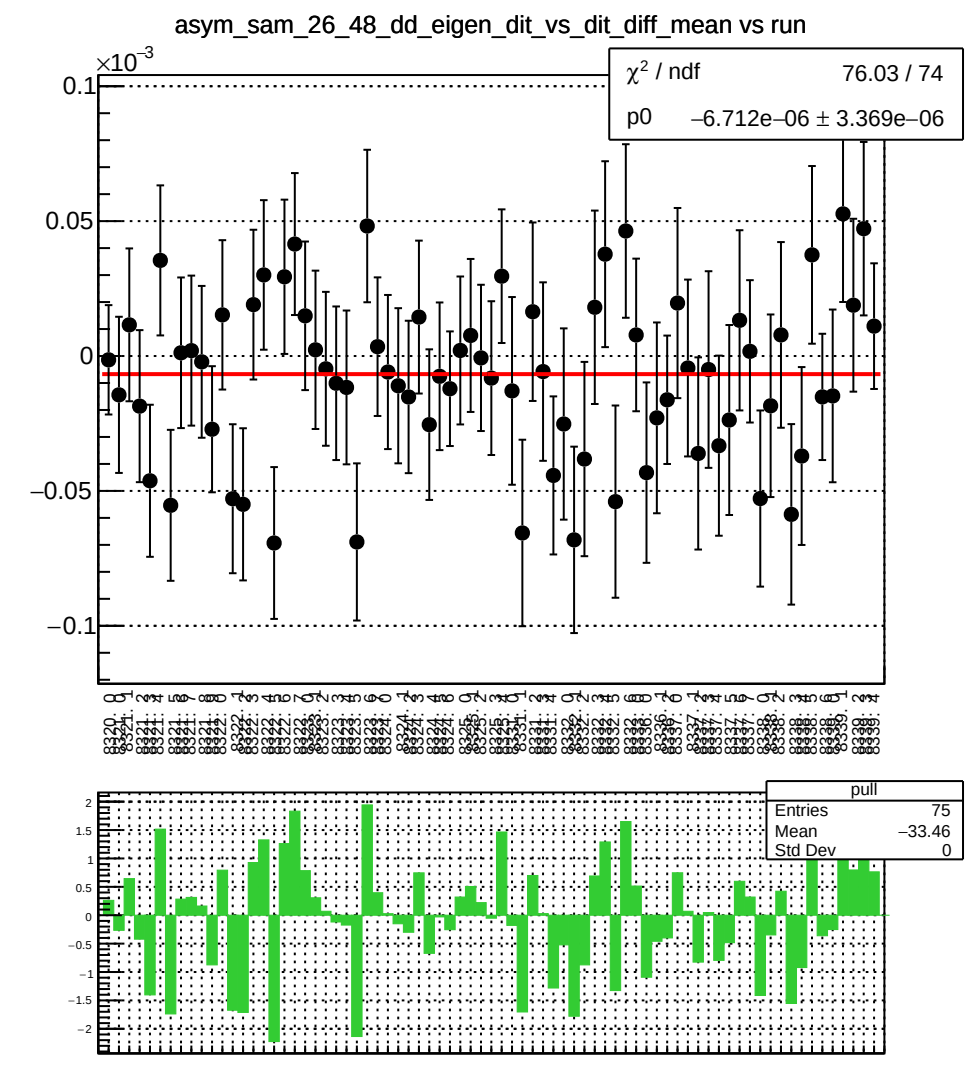

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 76.53 / 74
p0 0.2543 ± 0.0524
pull
Entries 75
Mean 45.94
Std Dev 0

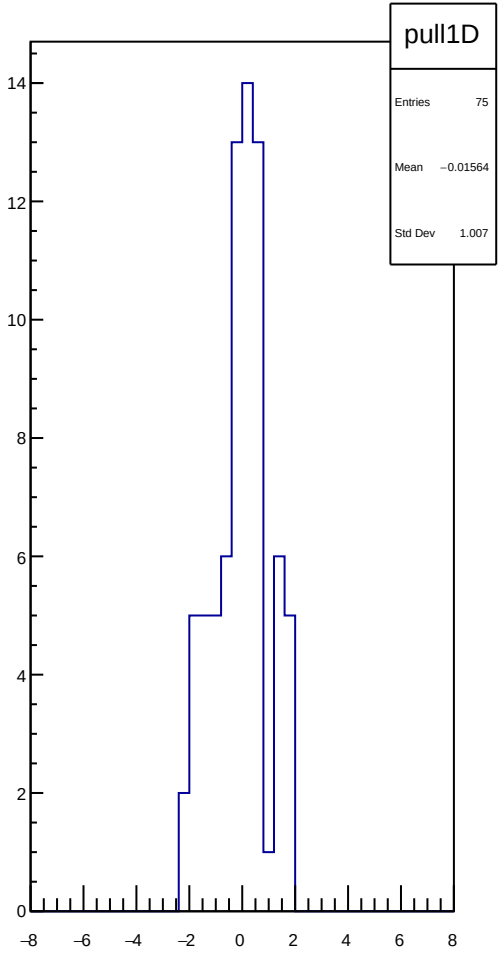

pull1D
Entries 75
Mean −0.02013
Std Dev 1.01

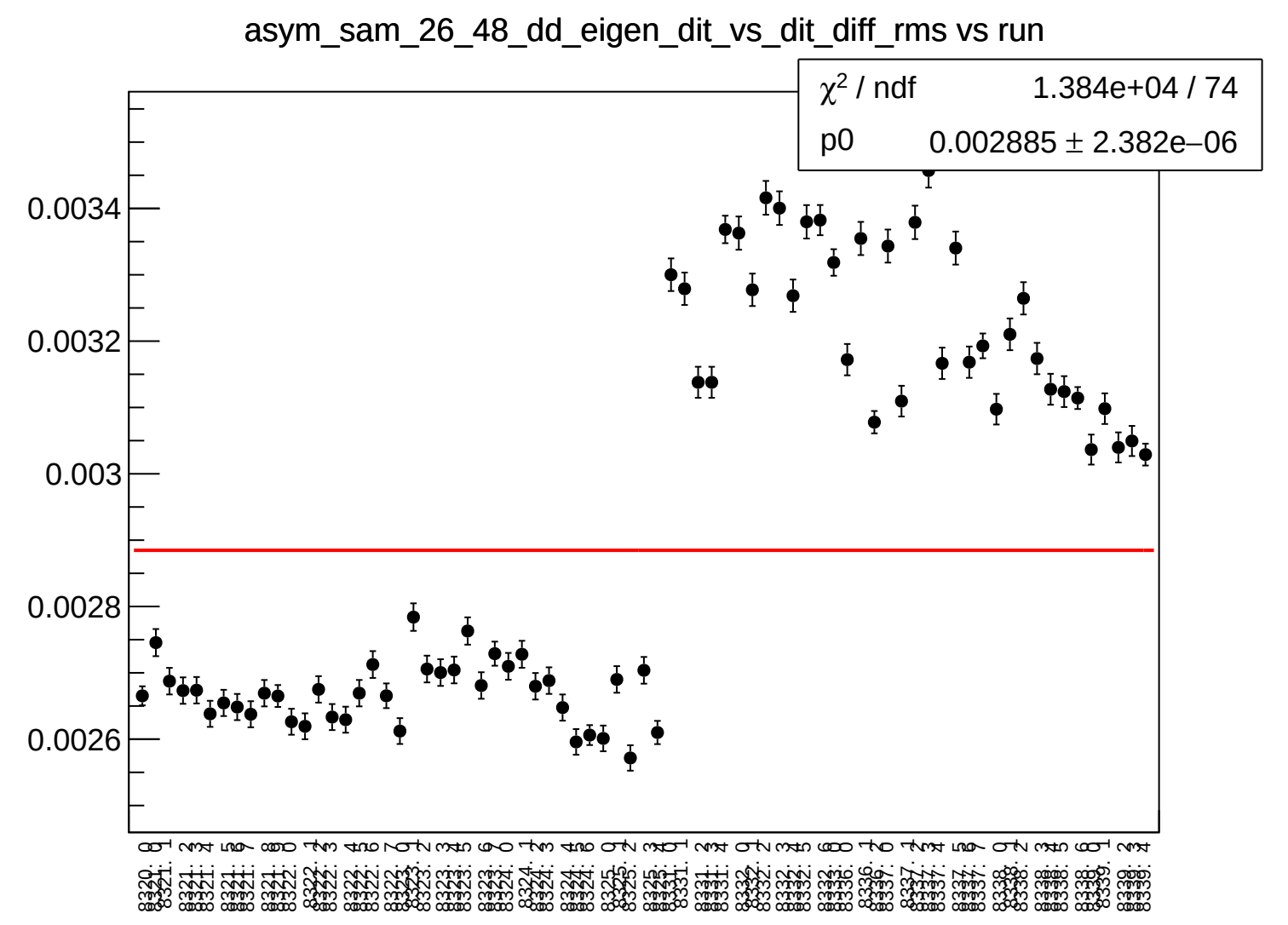

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5709 / 74
p0 44.99 ± 0.03705
58
56
54
52
50
48
46
44
42
40

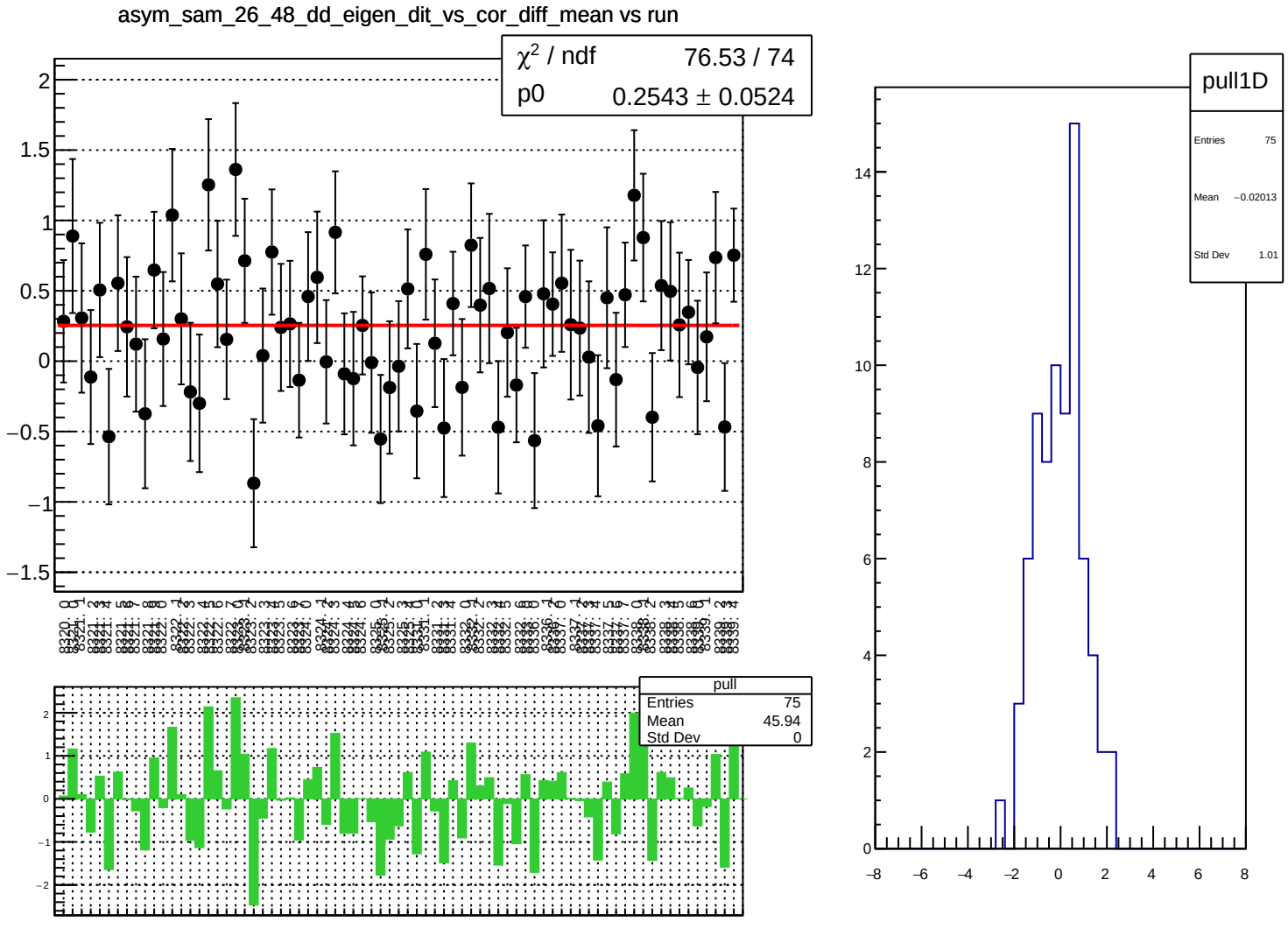

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.53 / 74
p0 0.2543 ± 0.0524
pull
Entries 75
Mean 45.94
Std Dev 0
pull1D
Entries 75
Mean −0.02013
Std Dev 1.01

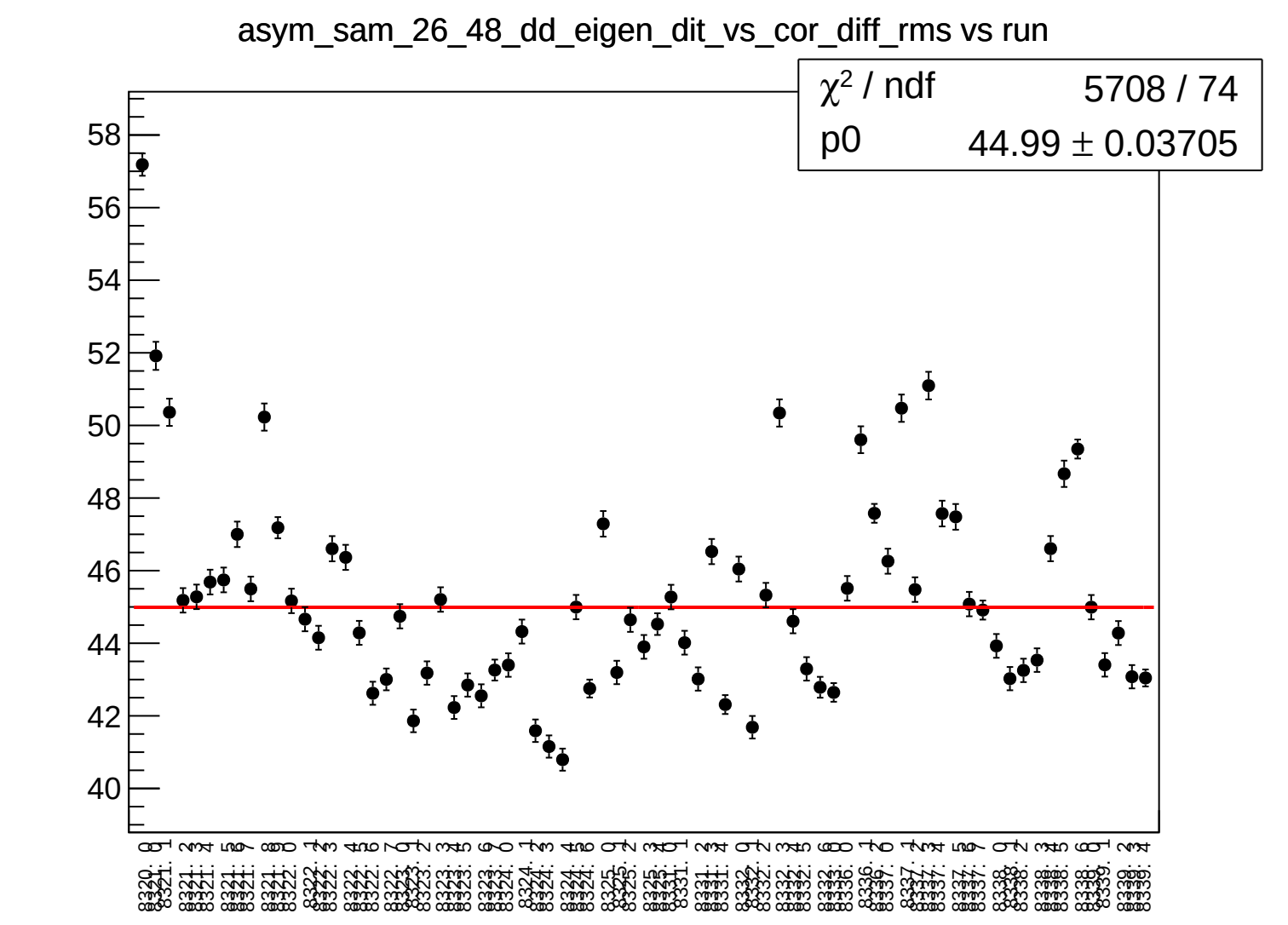

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5709 / 74
p0 44.99 ± 0.03705
58
56
54
52
50
48
46
44
42
40

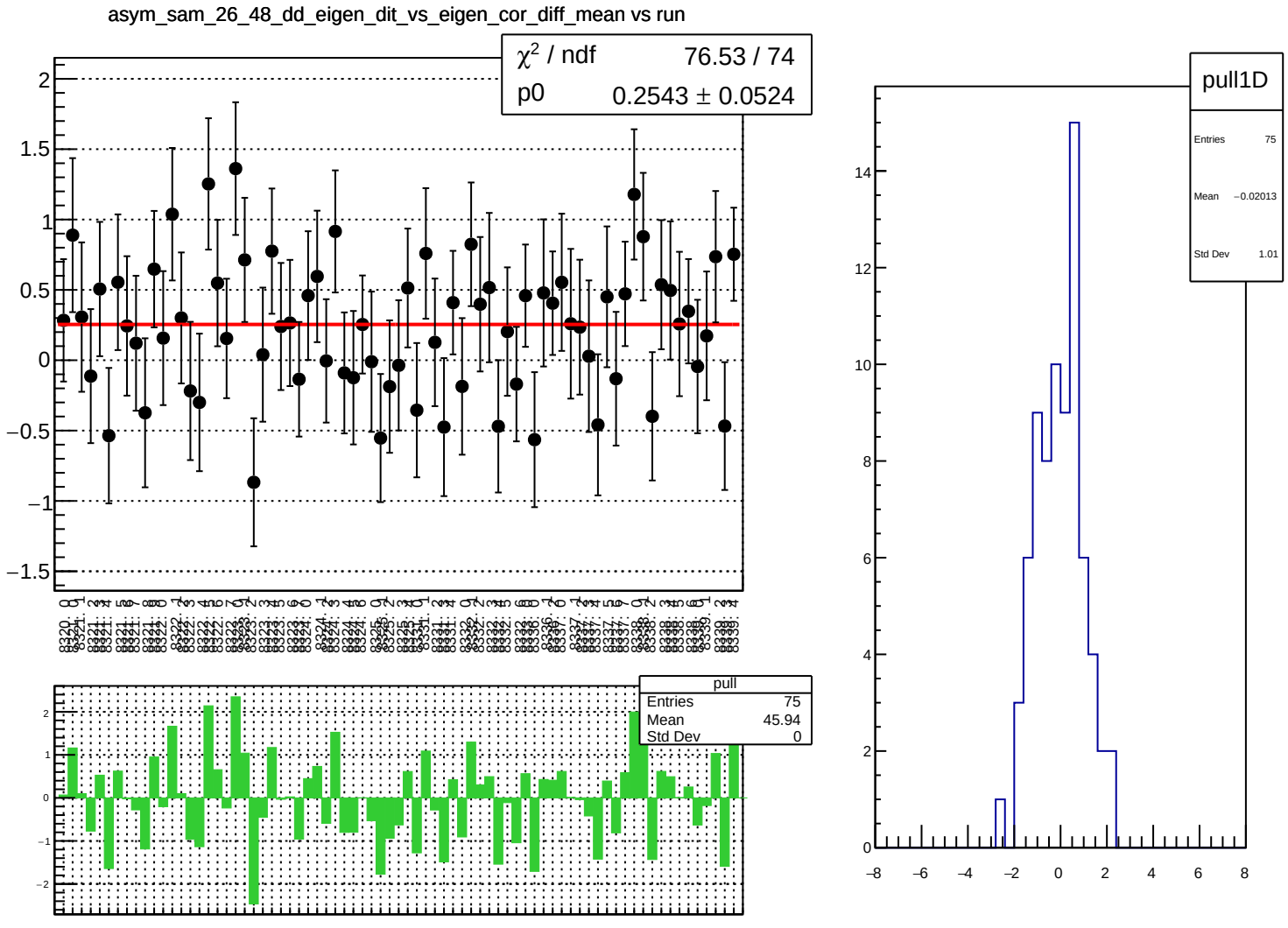

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 76.03 / 74
p0 −6.712e−06 ± 3.369e−06
pull
Entries 75
Mean −33.46
Std Dev 0

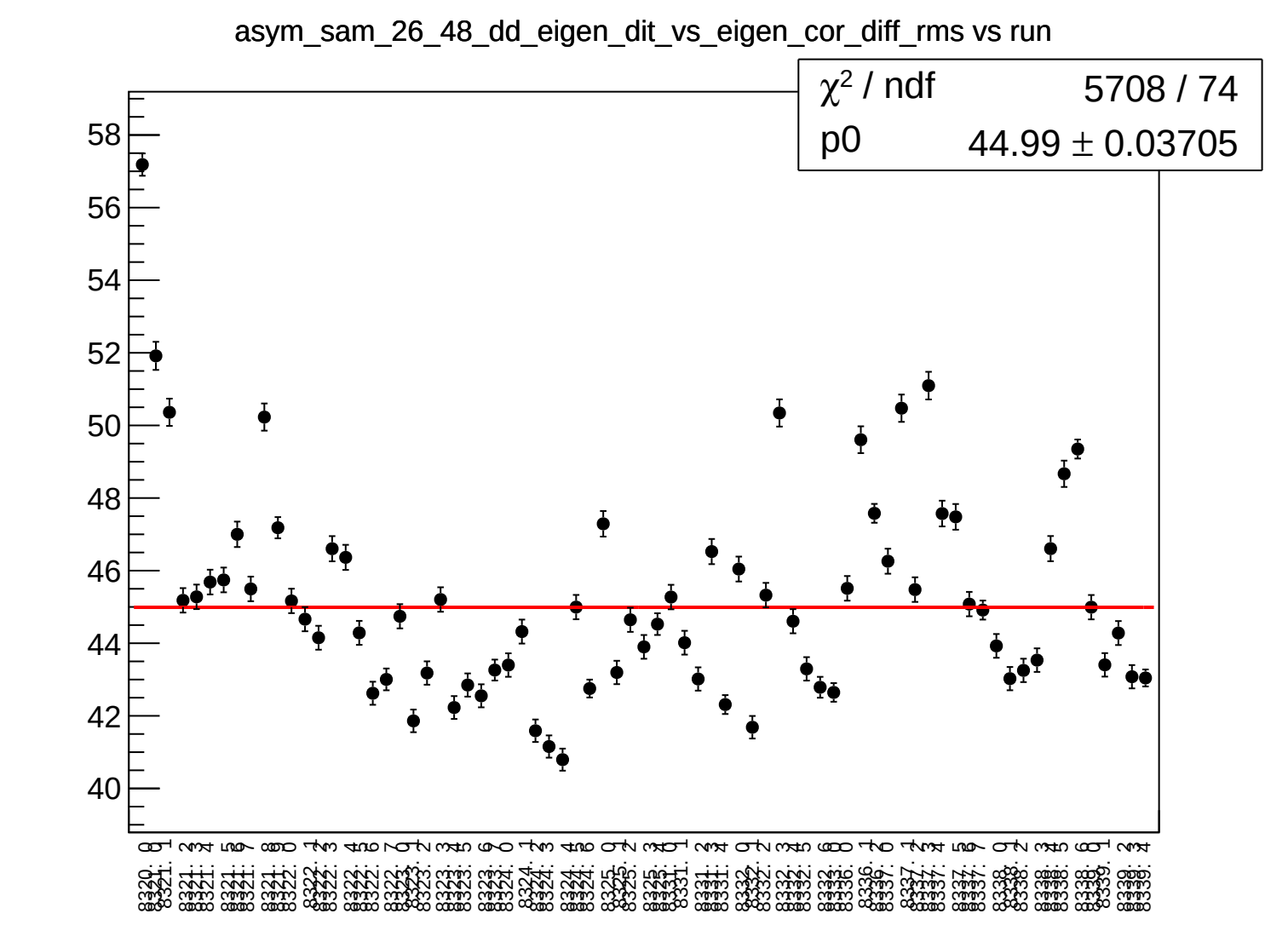

pull1D
Entries 75
Mean −0.01564
Std Dev 1.007

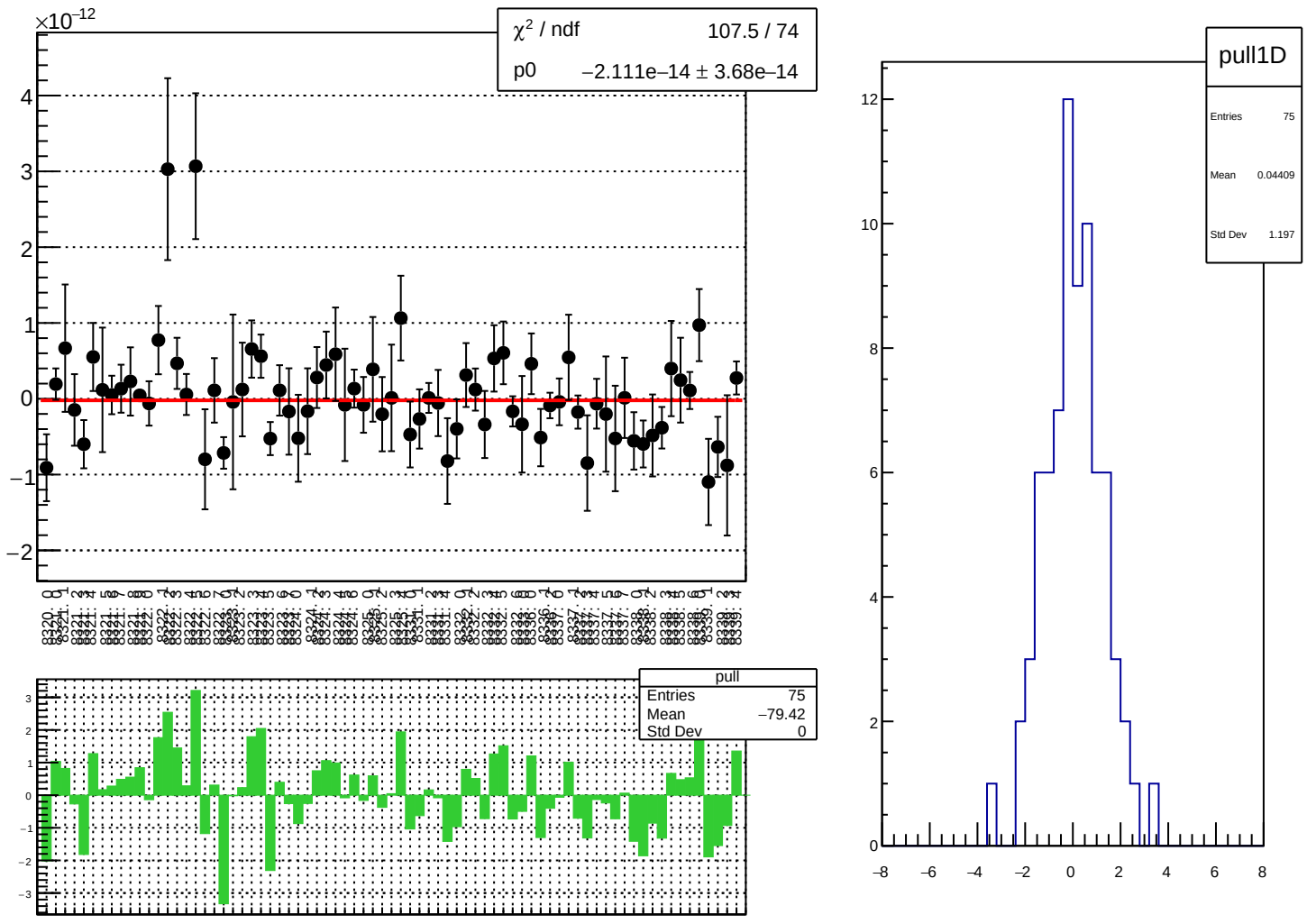

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.384e+04 / 74
p0 0.002885 ± 2.382e−06
0.0034
0.0032
0.003
0.0028
0.0026

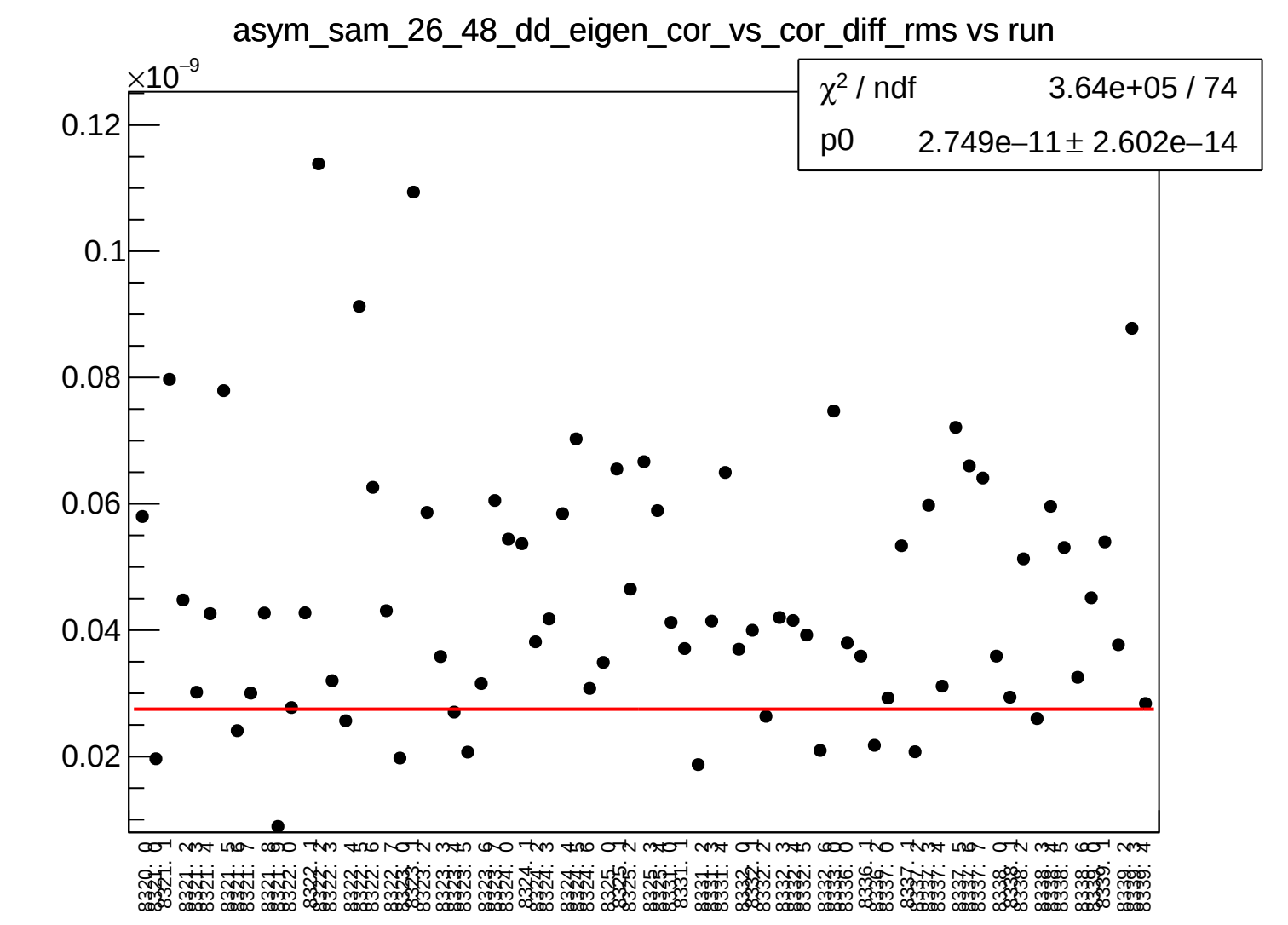

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 76.53 / 74
p0 0.2543 ± 0.0524
pull
Entries 75
Mean 45.94
Std Dev 0
pull1D
Entries 75
Mean −0.02013
Std Dev 1.01

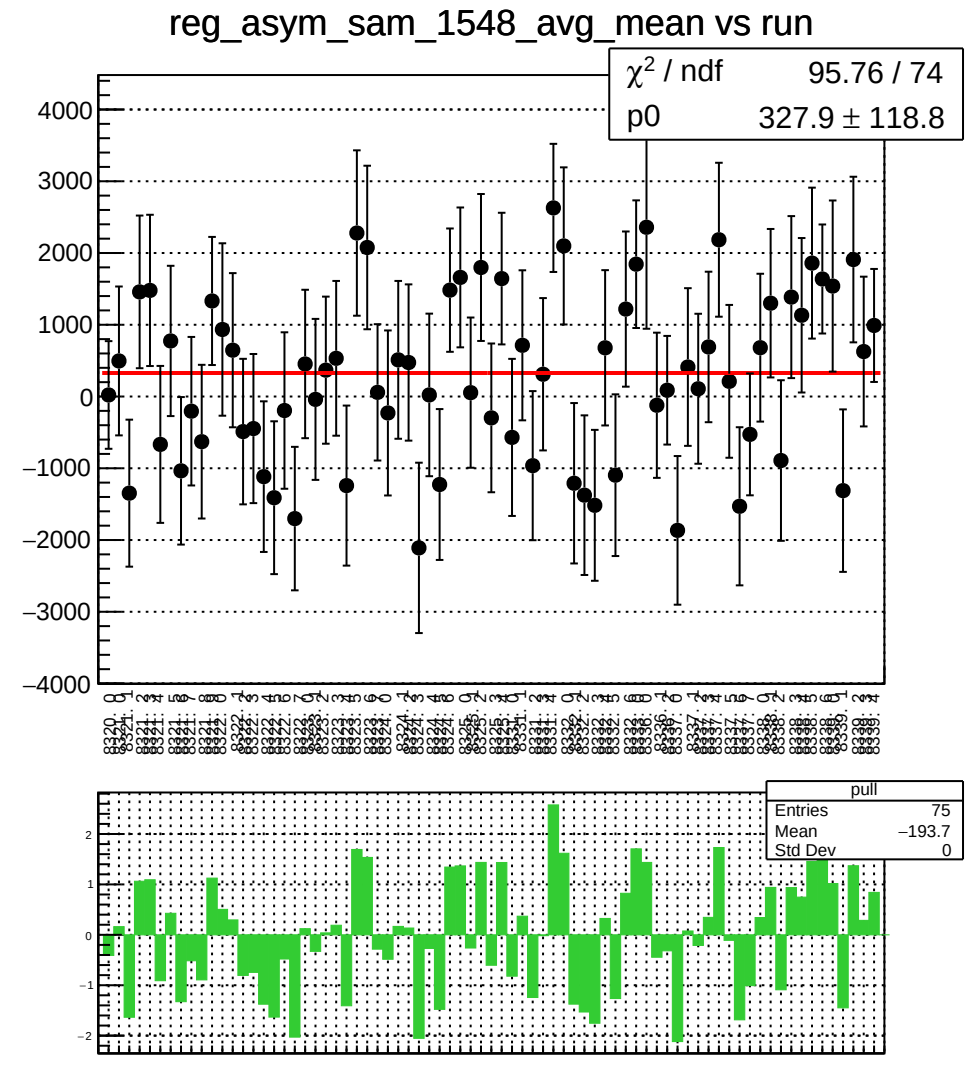

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5708 / 74
p0 44.99 ± 0.03705
58
56
54
52
50
48
46
44
42
40

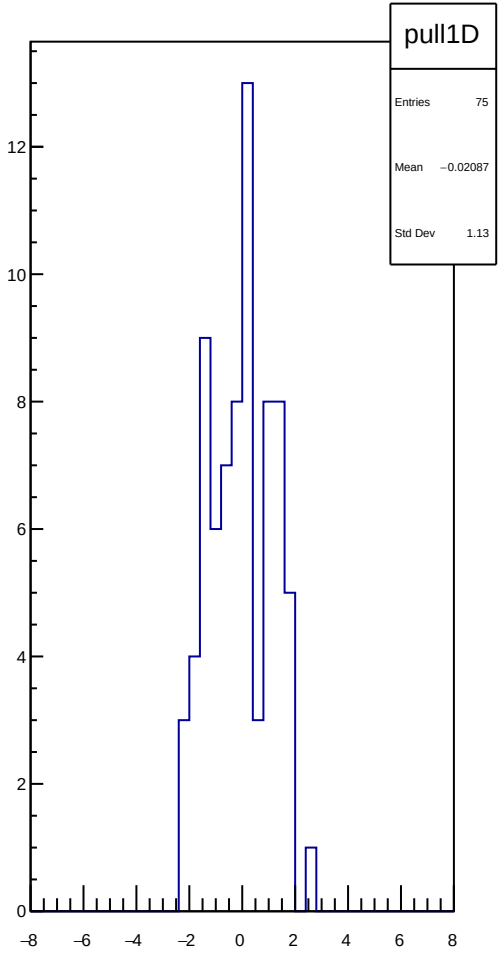

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 76.53 / 74
p0 0.2543 ± 0.0524
pull
Entries 75
Mean 45.94
Std Dev 0
pull1D
Entries 75
Mean −0.02013
Std Dev 1.01

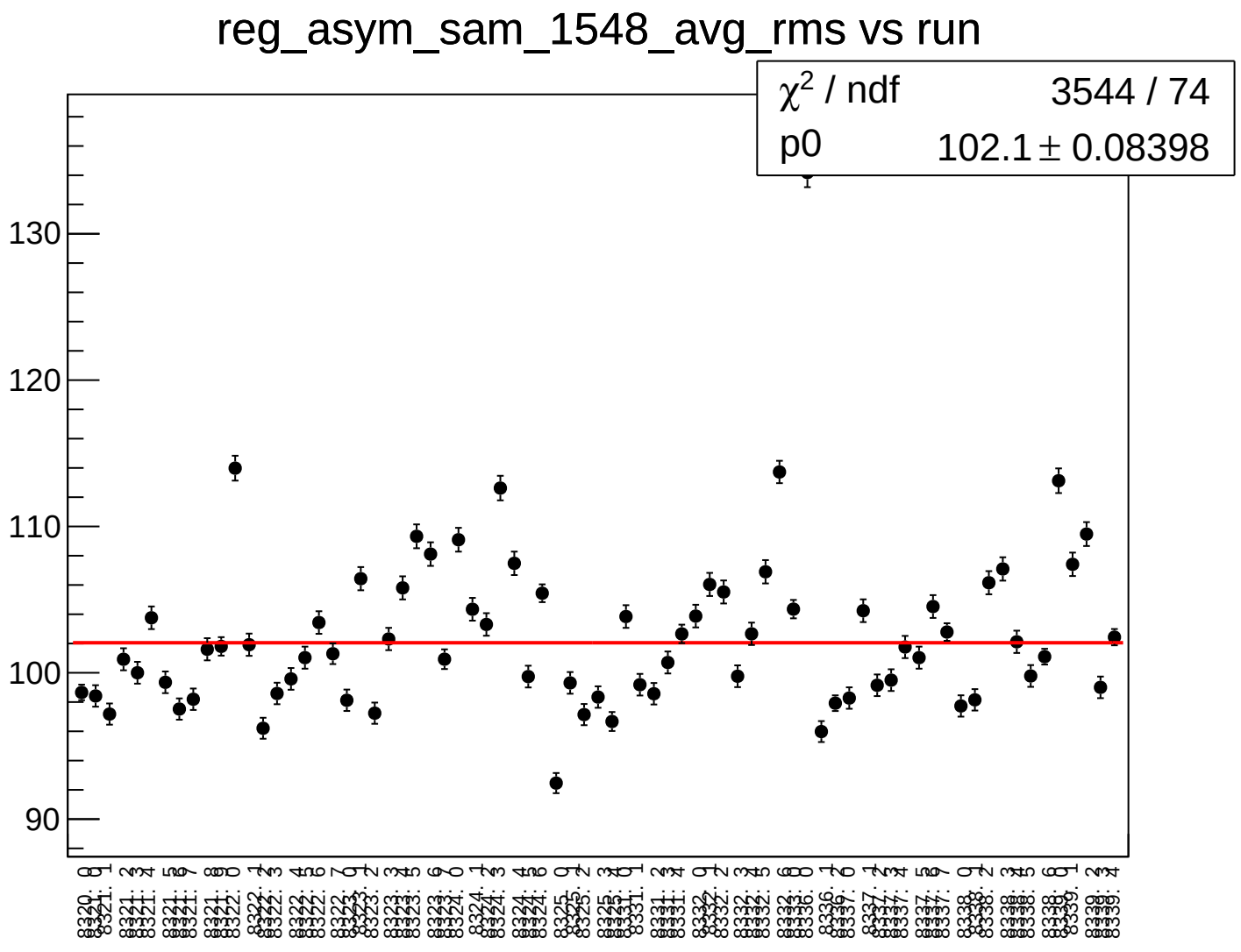

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5708 / 74
p0 44.99 ± 0.03705
58
56
54
52
50
48
46
44
42
40

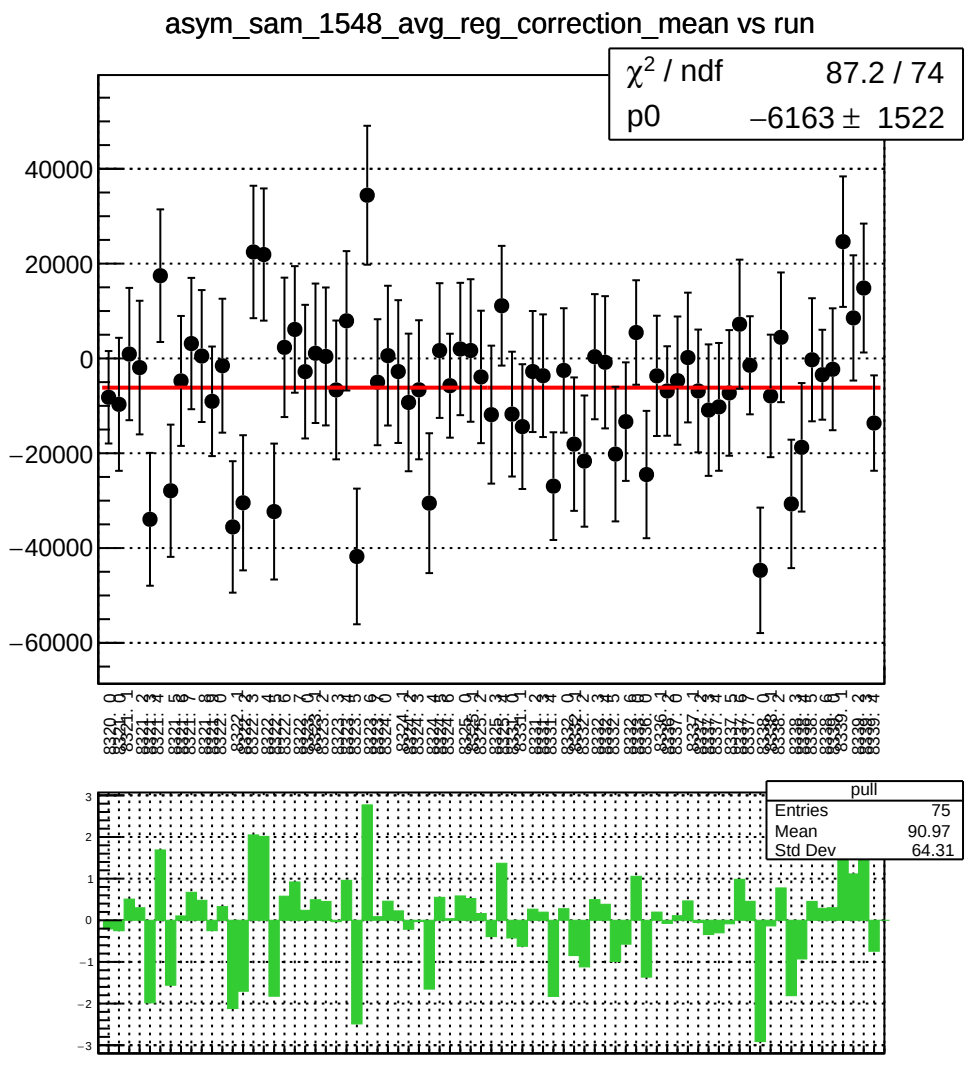

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 107.5 / 74
p0 −2.111e−14 ± 3.68e−14
pull
Entries 75
Mean −79.42
Std Dev 0
pull1D
Entries 75
Mean 0.04409
Std Dev 1.197

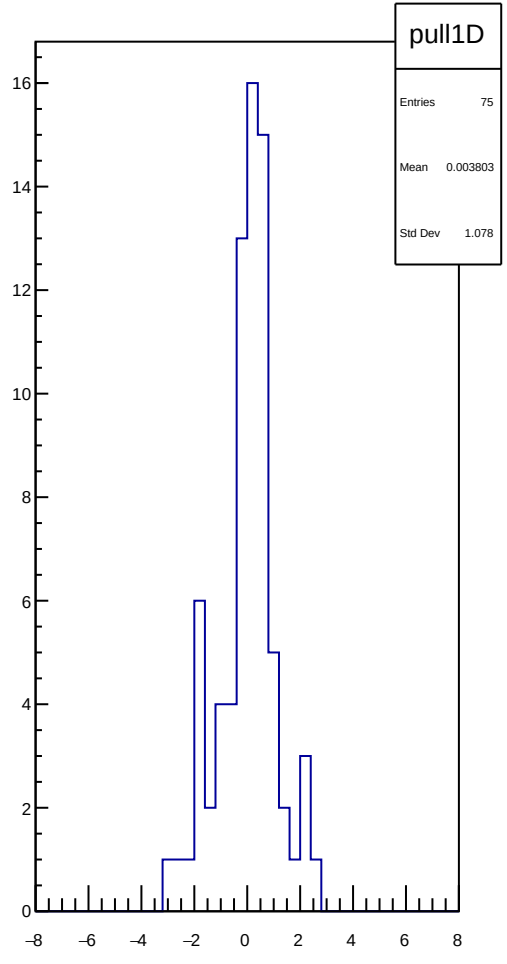

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.64e+05 / 74
p0 2.749e−11 ± 2.602e−14
0.12
0.1
0.08
0.06
0.04
0.02

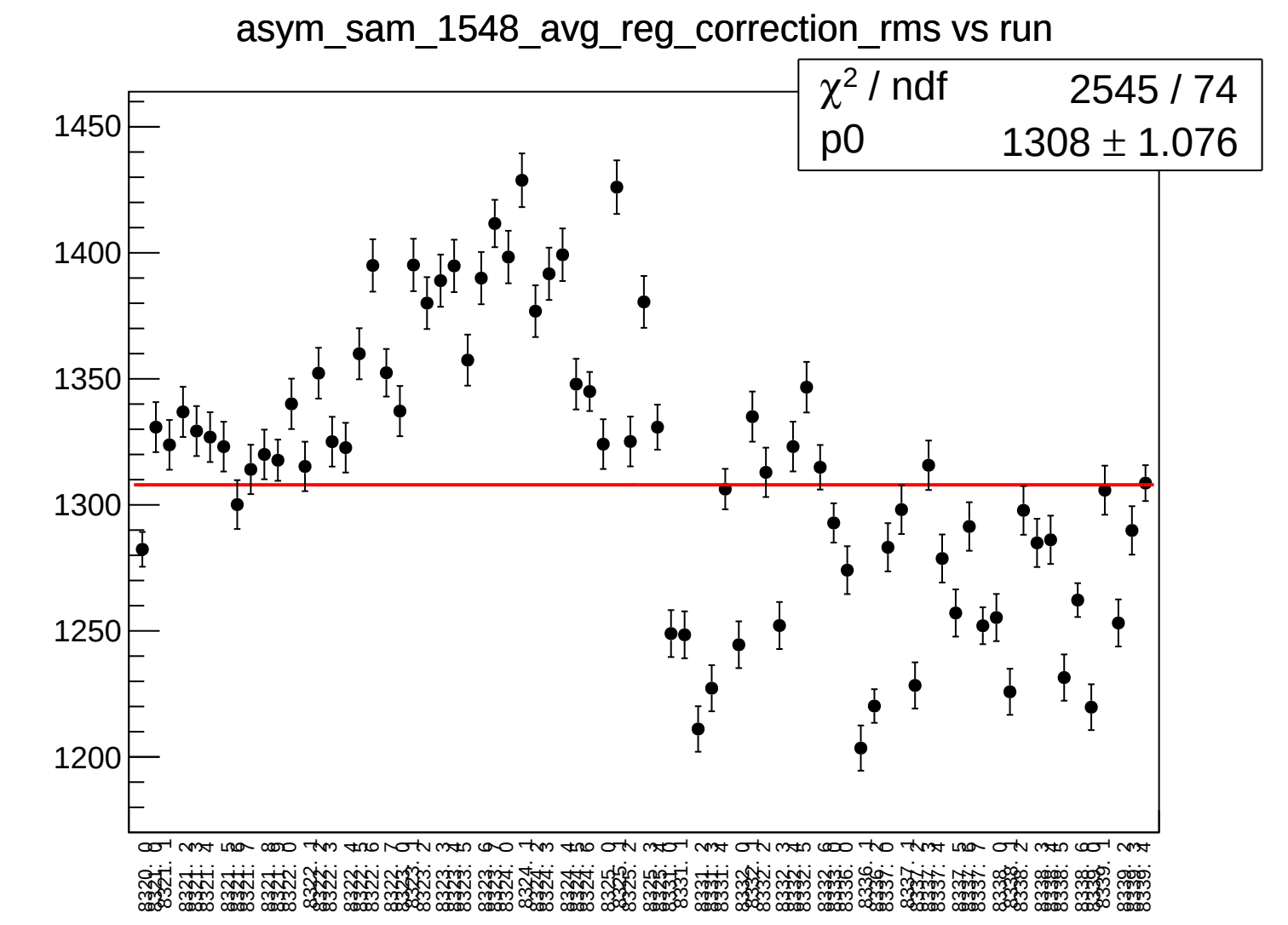

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 95.76 / 74
p0 327.9 ± 118.8
pull
Entries 75
Mean −193.7
Std Dev 0

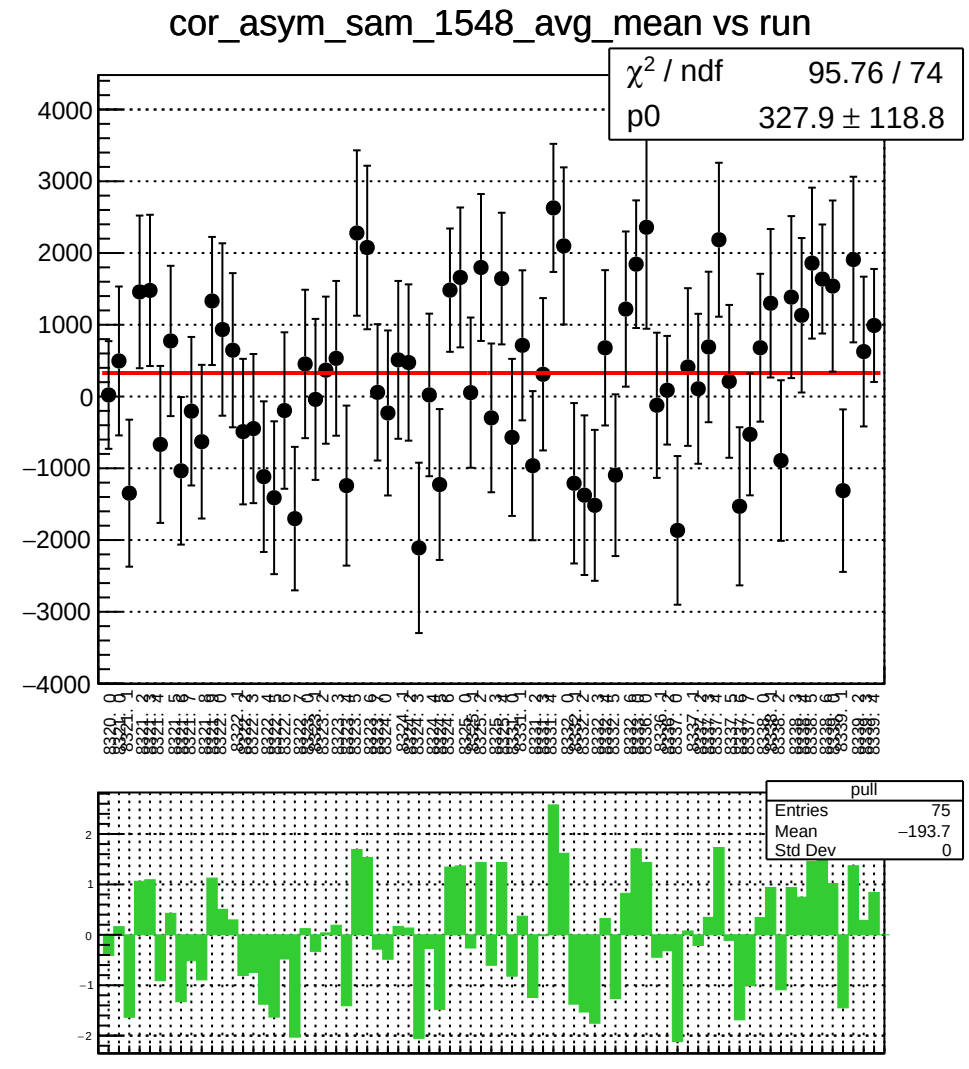

pull1D
Entries 75
Mean −0.02087
Std Dev 1.13

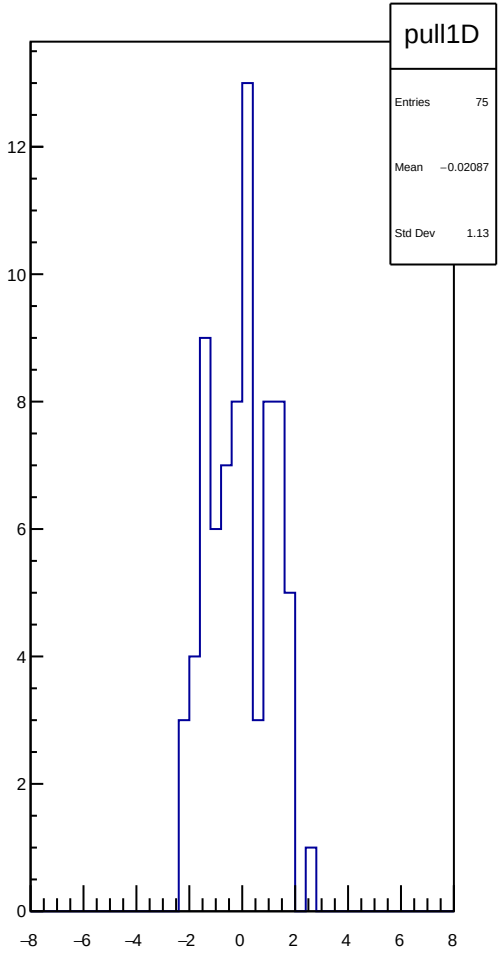

reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3544 / 74
p0 102.1 ± 0.08398
130
120
110
100
90

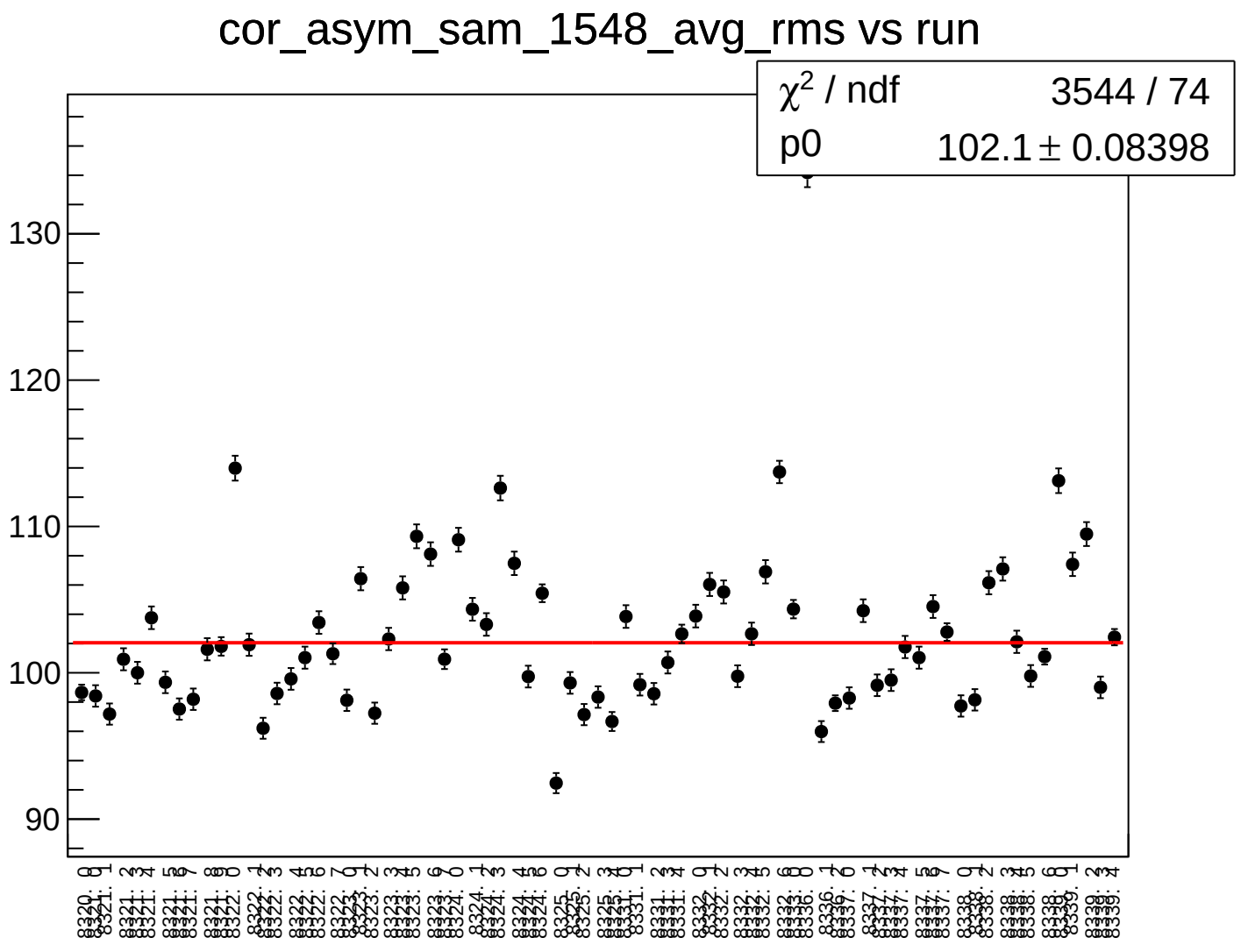

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 87.2 / 74
p0 −6163 ± 1522
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 90.97
Std Dev 64.31
3
2
1
0
−1
−2
−3

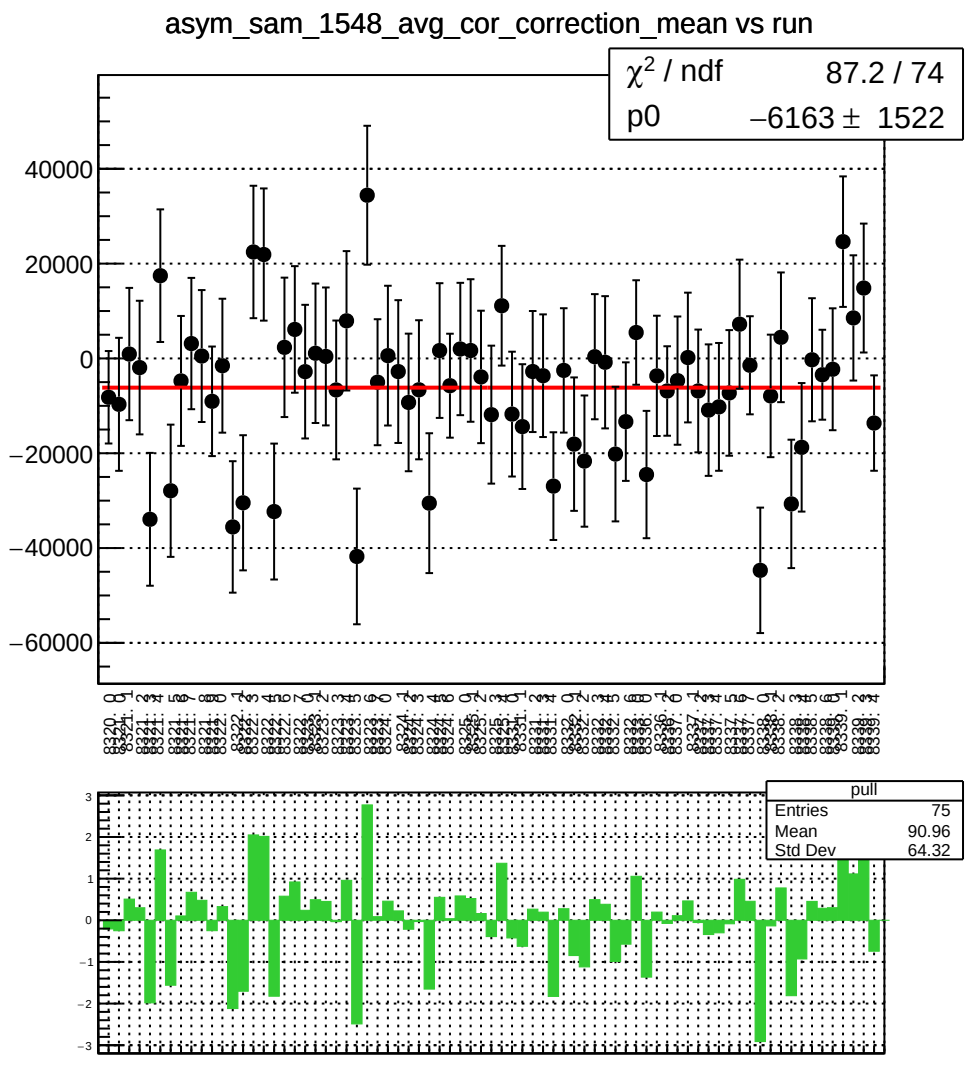

pull1D
Entries 75
Mean 0.003803
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

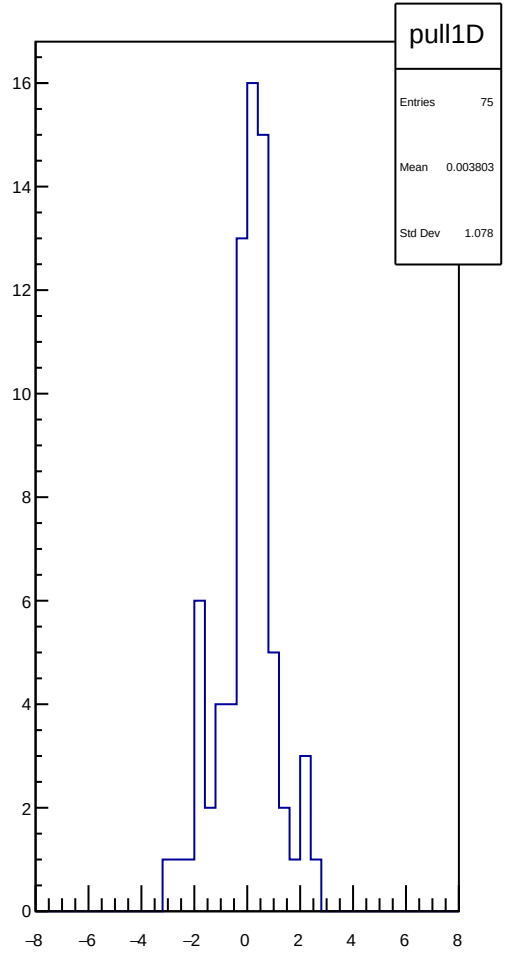

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 2545 / 74
p0 1308 ± 1.076
1450
1400
1350
1300
1250
1200

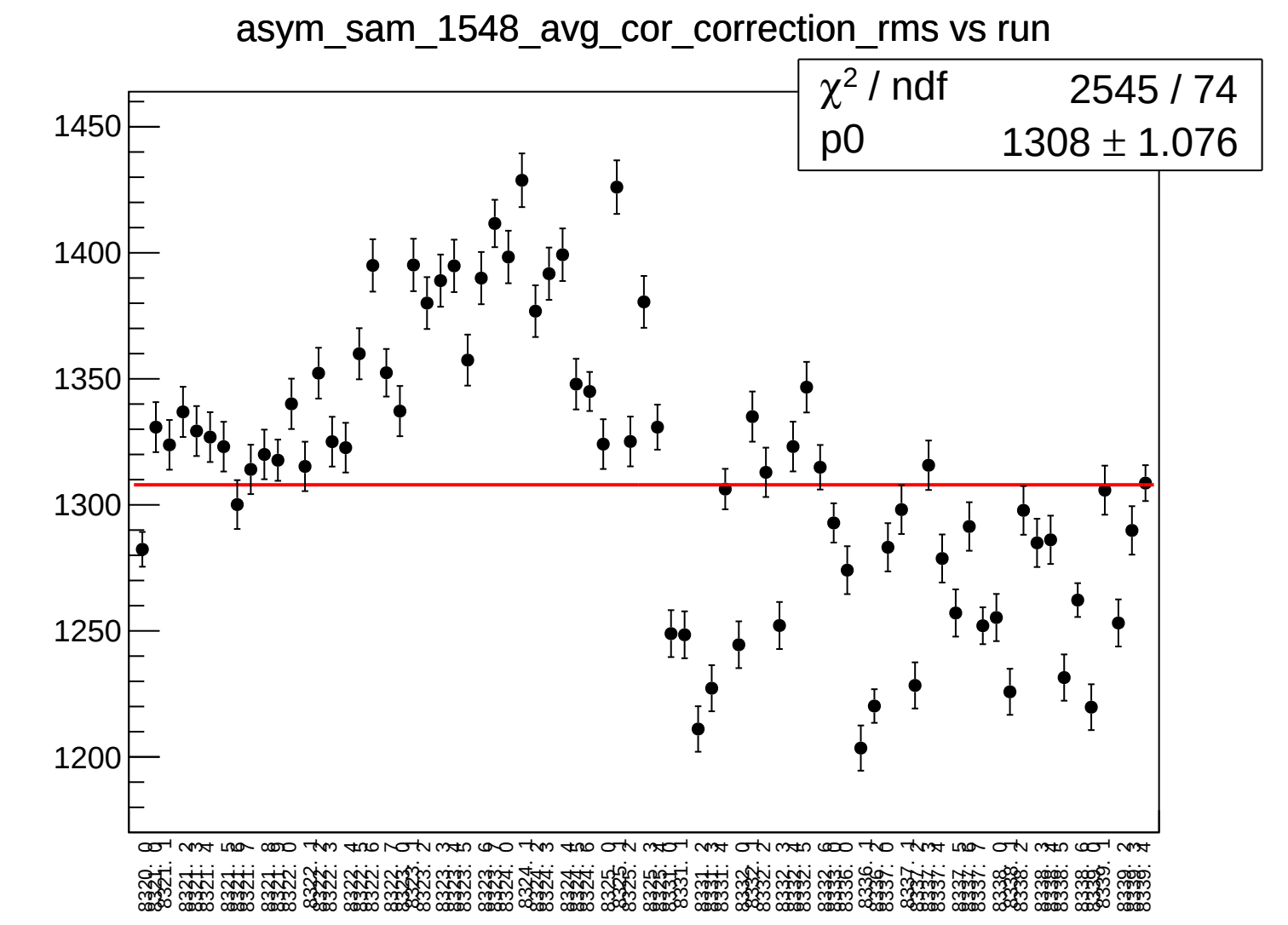

cor_asym_sam_1548_avg_mean vs run
χ² / ndf 95.76 / 74
p0 327.9 ± 118.8
pull
Entries 75
Mean −193.7
Std Dev 0

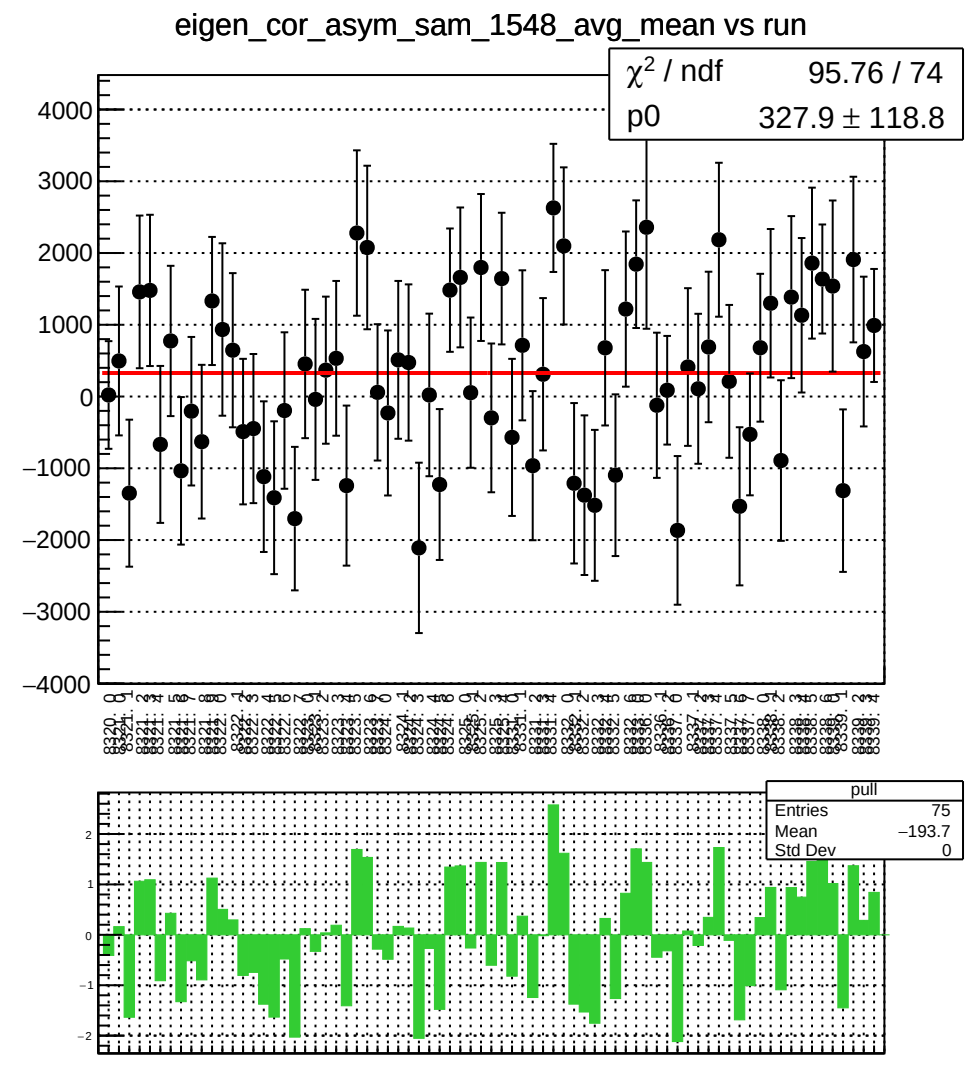

pull1D
Entries 75
Mean −0.02087
Std Dev 1.13

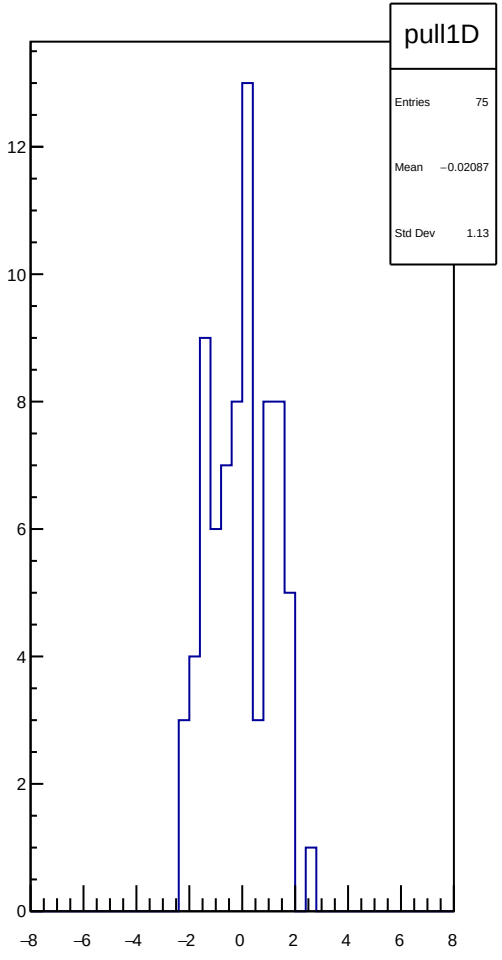

cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3544 / 74
p0 102.1 ± 0.08398
130
120
110
100
90

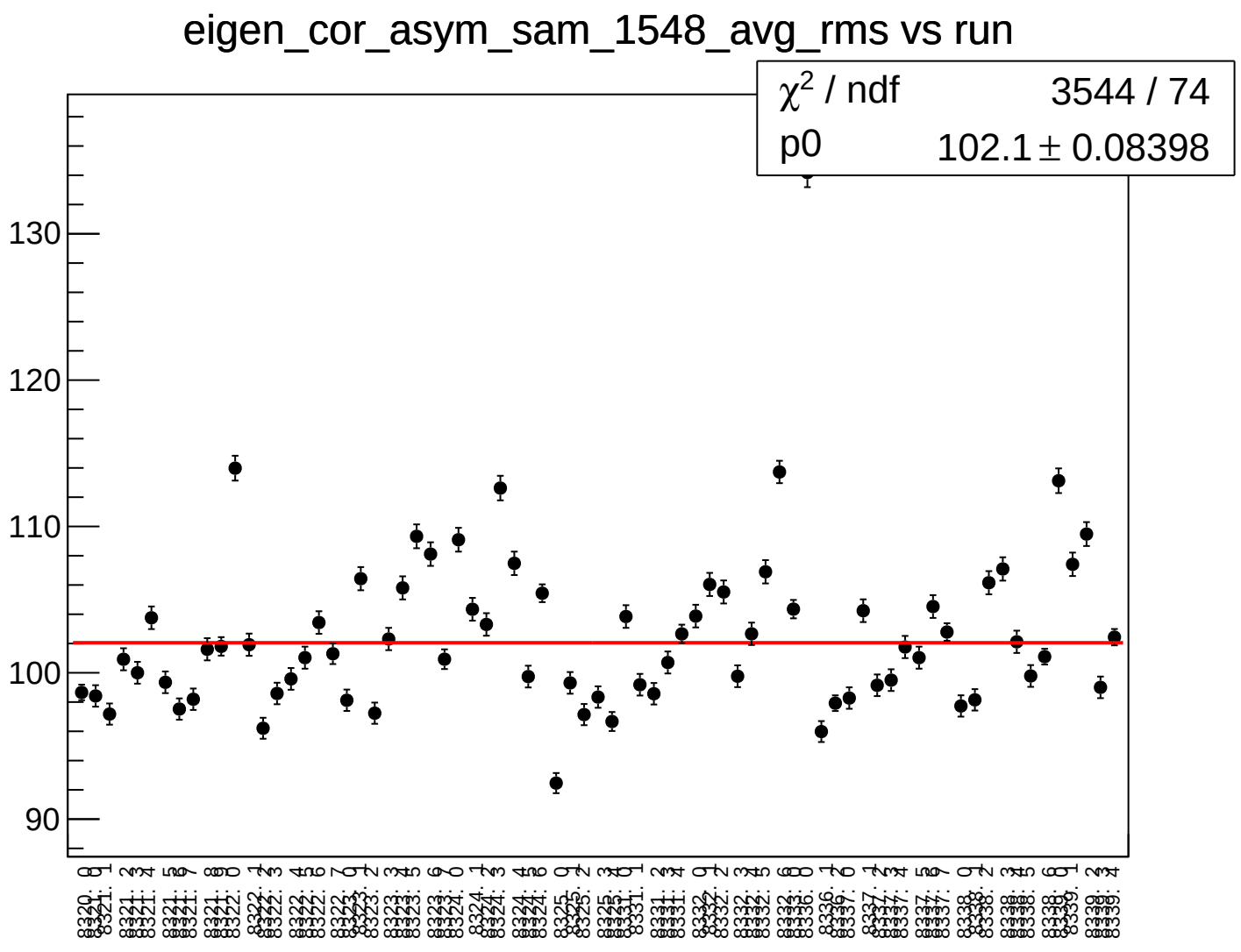

asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 87.2 / 74
p0 −6163 ± 1522
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 90.96
Std Dev 64.32
3
2
1
0
−1
−2
−3

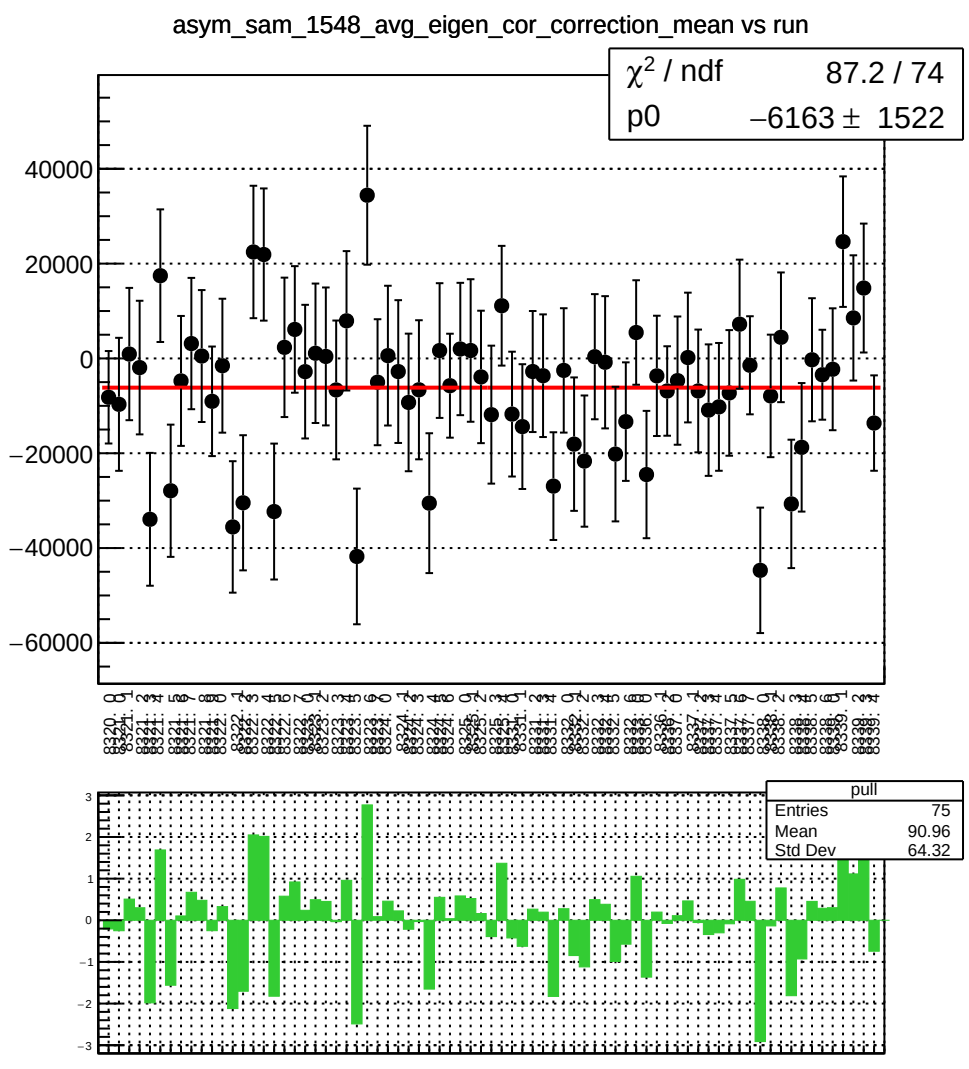

pull1D
Entries 75
Mean 0.003803
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

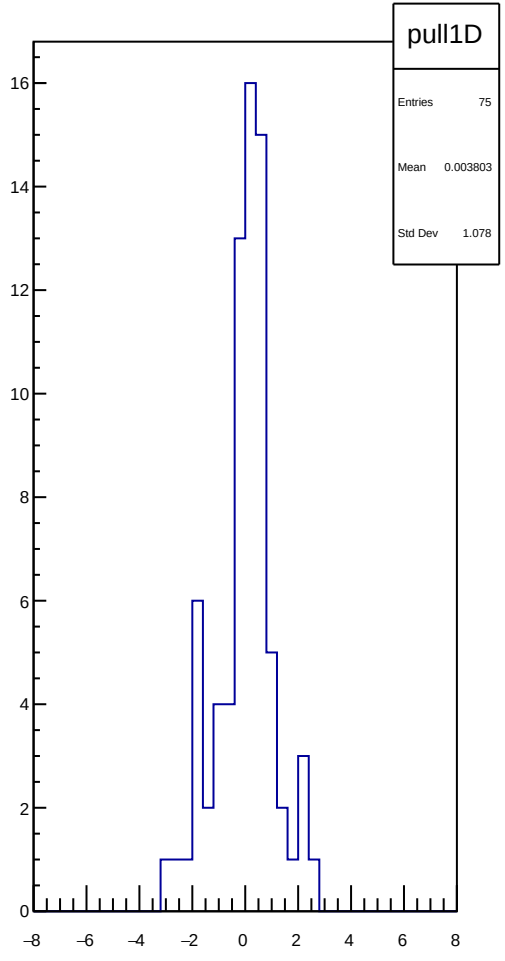

asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 2545 / 74
p0 1308 ± 1.076
1450
1400
1350
1300
1250
1200

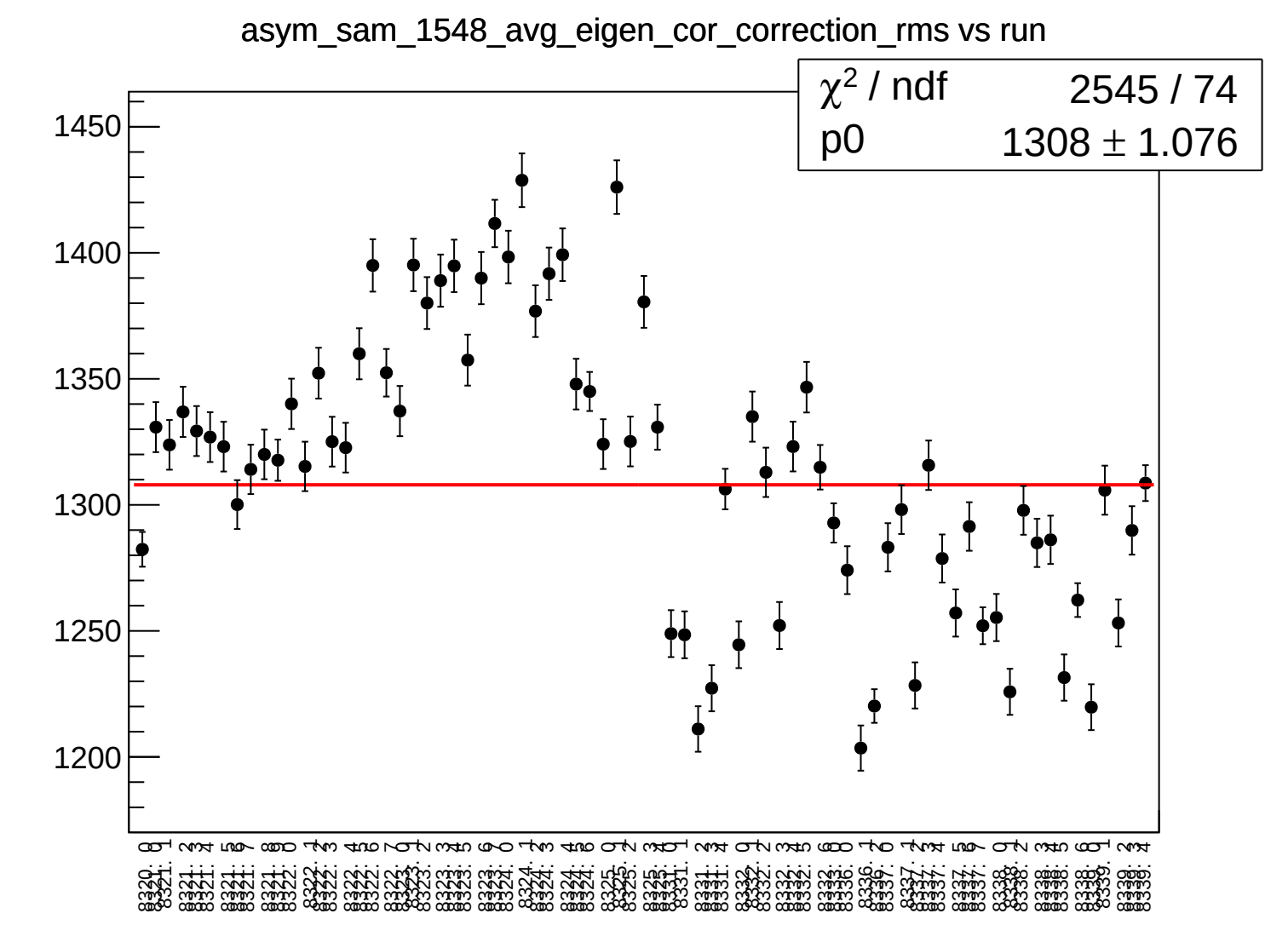

eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 95.76 / 74
p0 327.9 ± 118.8
pull
Entries 75
Mean −193.7
Std Dev 0

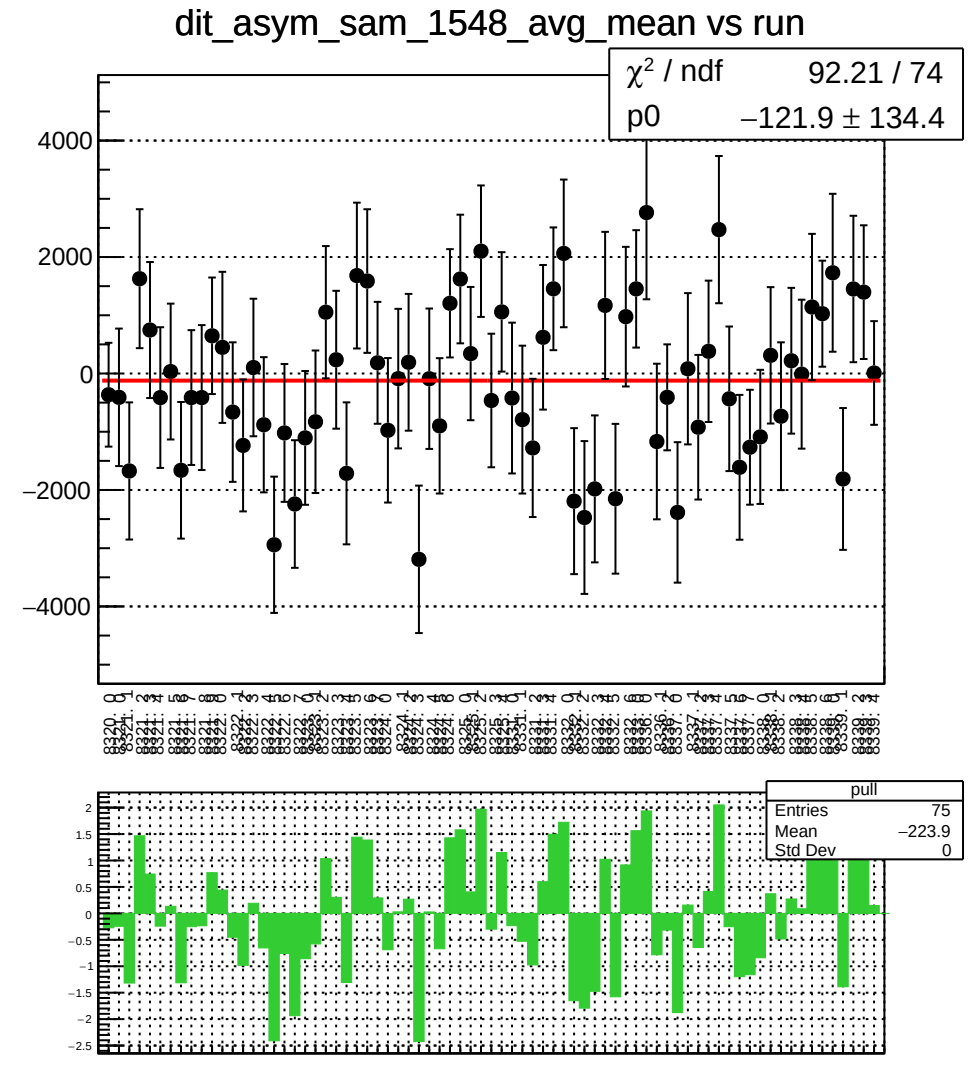

pull1D
Entries 75
Mean −0.02087
Std Dev 1.13

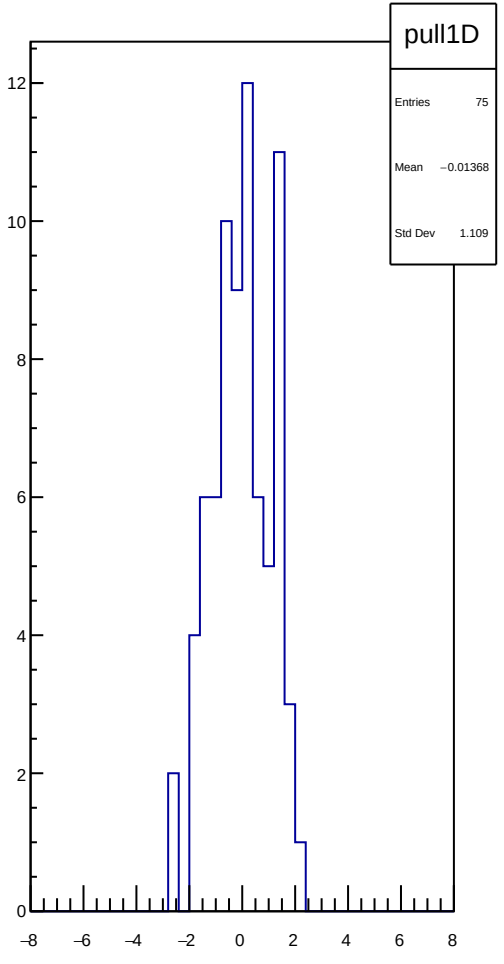

eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 3544 / 74
p0 102.1 ± 0.08398
130
120
110
100
90

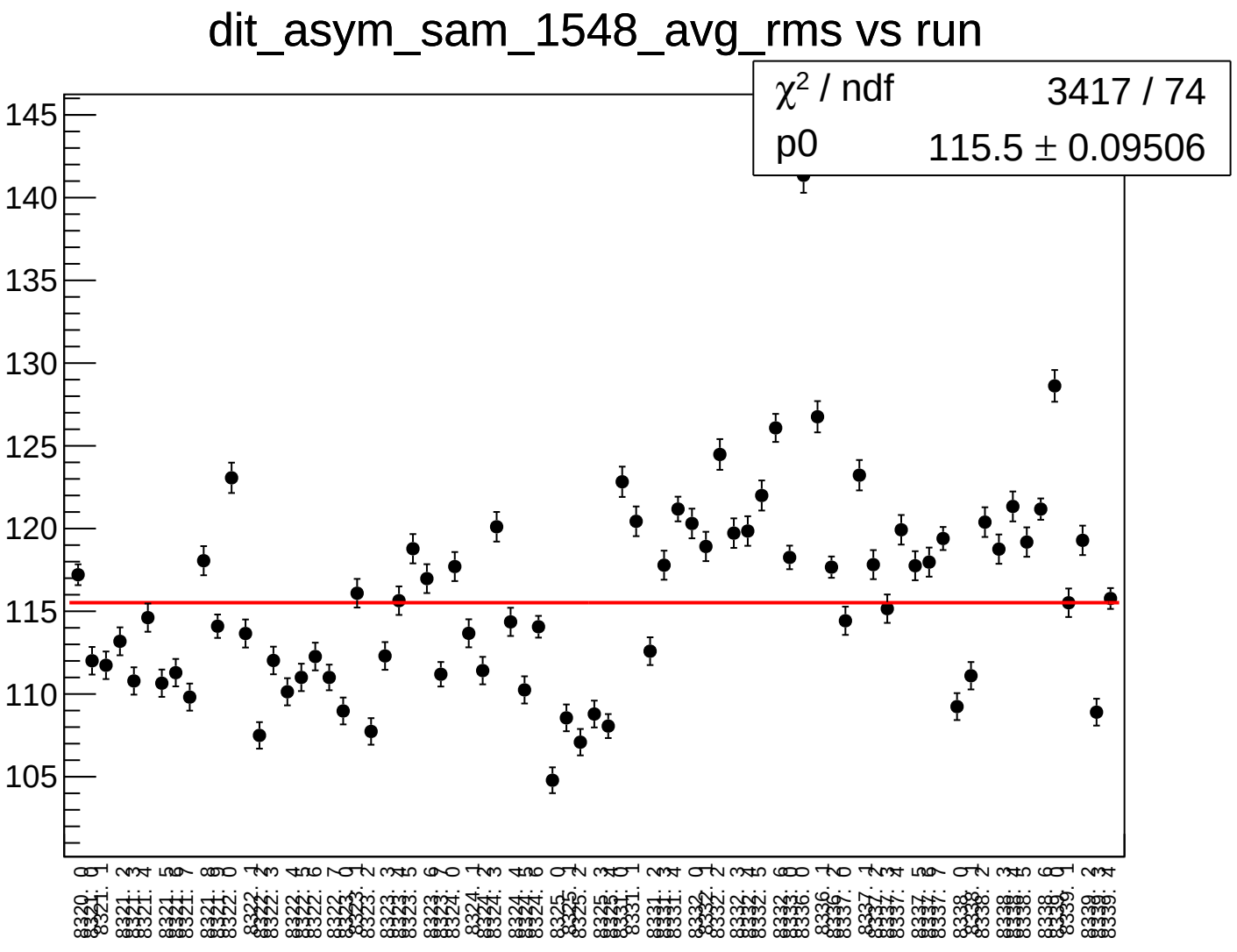

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 87.2 / 74
p0 −6163 ± 1522
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 90.96
Std Dev 64.32
3
2
1
0
−1
−2
−3

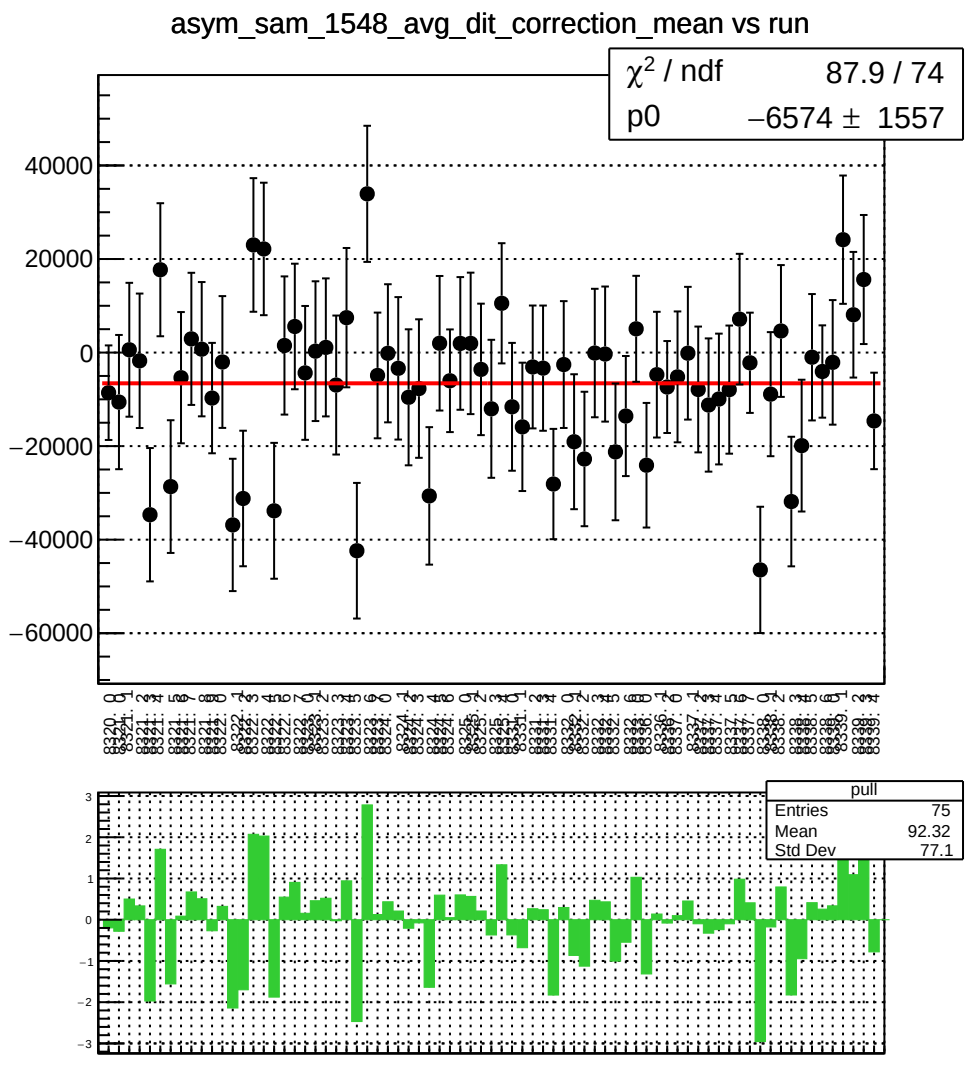

pull1D
Entries 75
Mean 0.003803
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

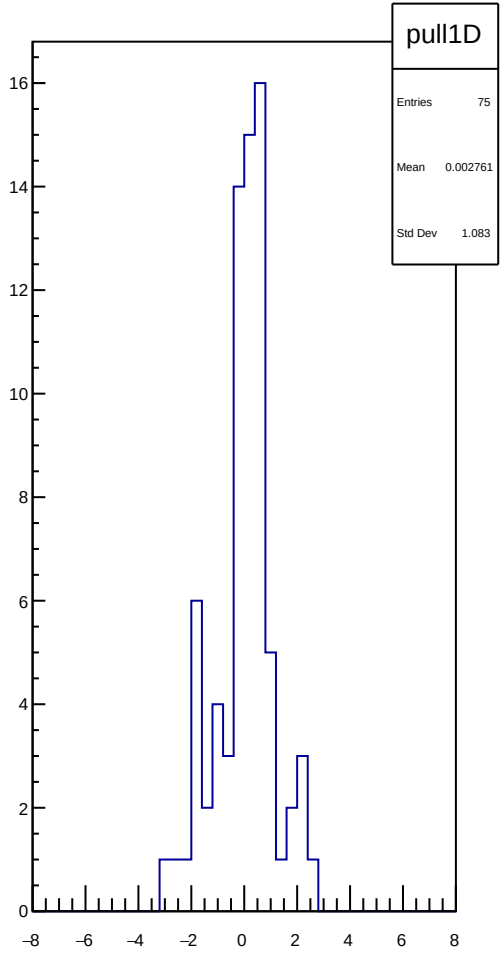

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 2545 / 74
p0 1308 ± 1.076
1450
1400
1350
1300
1250
1200

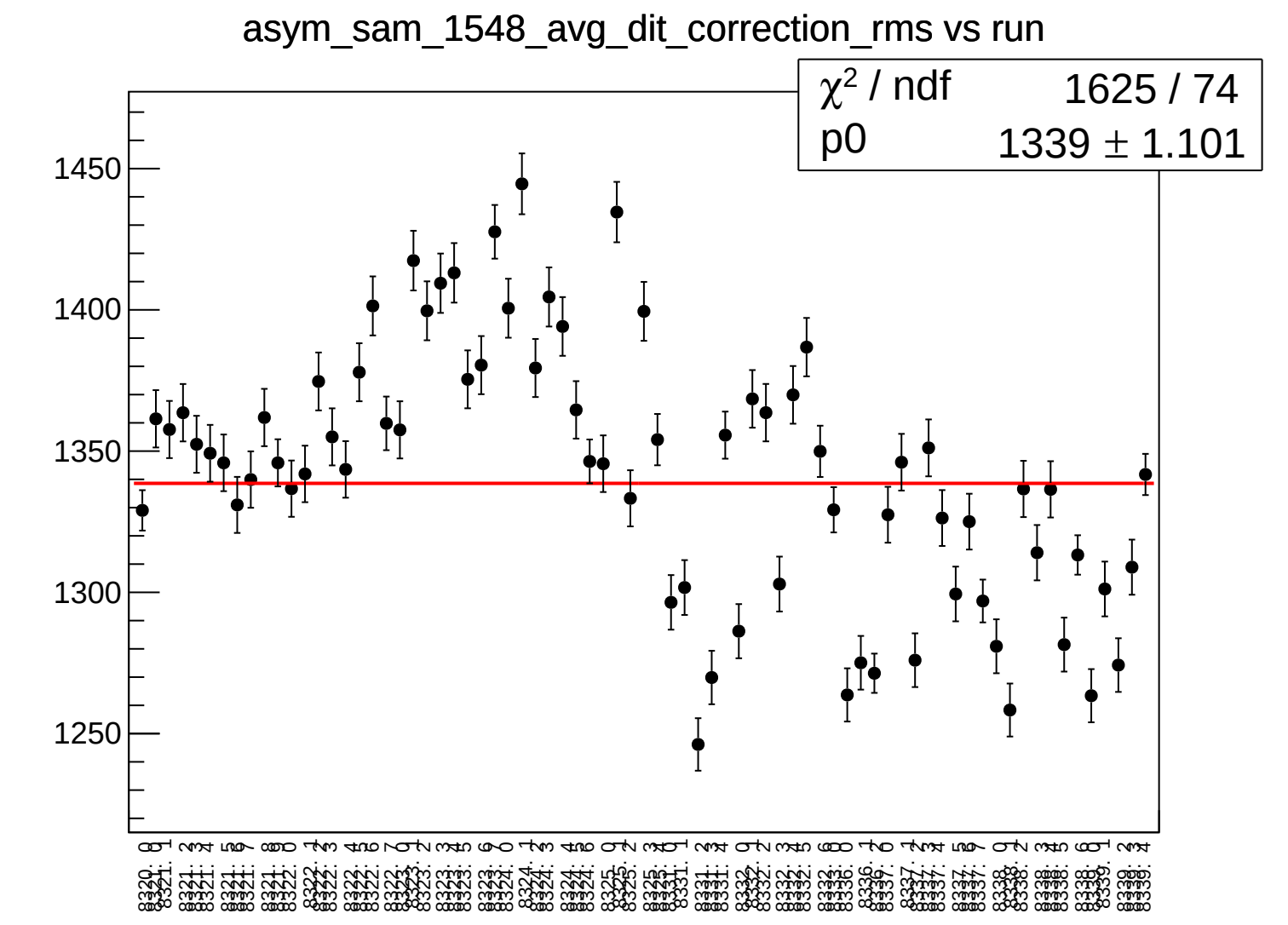

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 92.21 / 74
p0 −121.9 ± 134.4
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −223.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

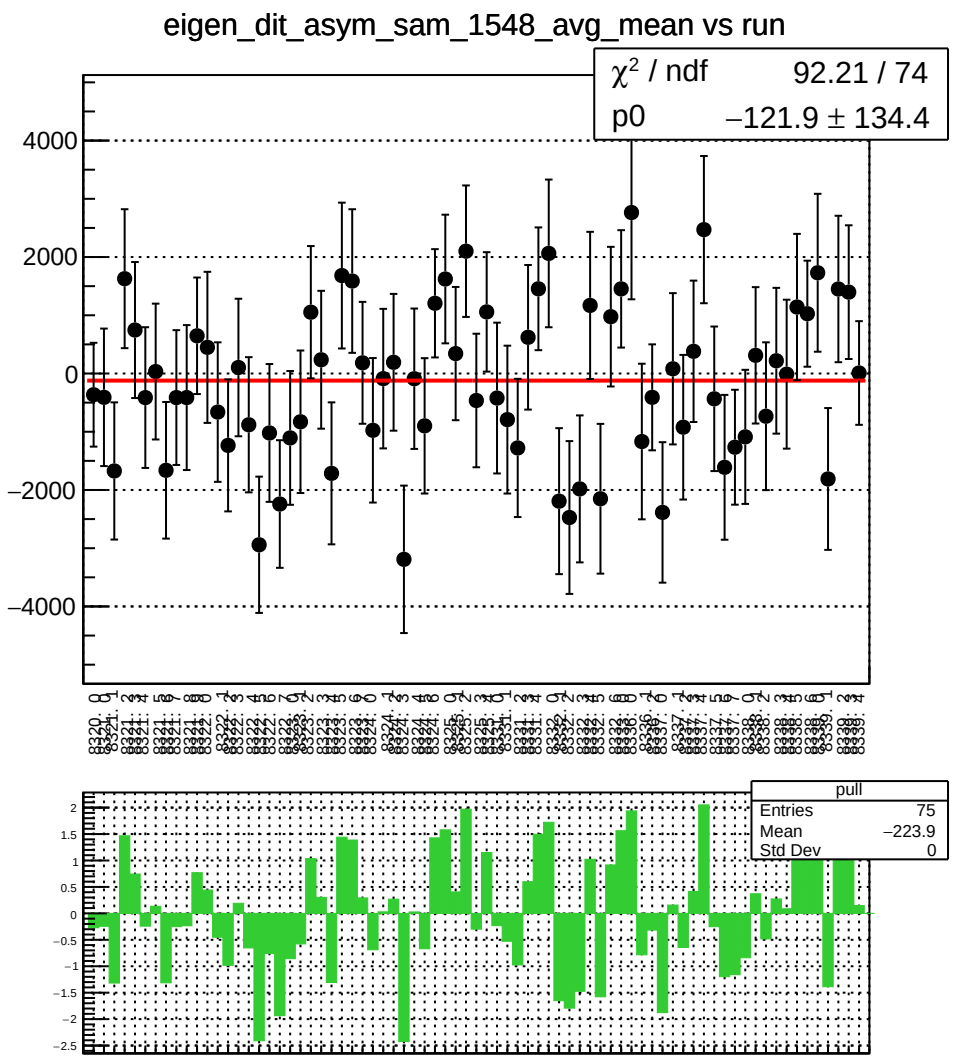

pull1D
Entries 75
Mean −0.01368
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

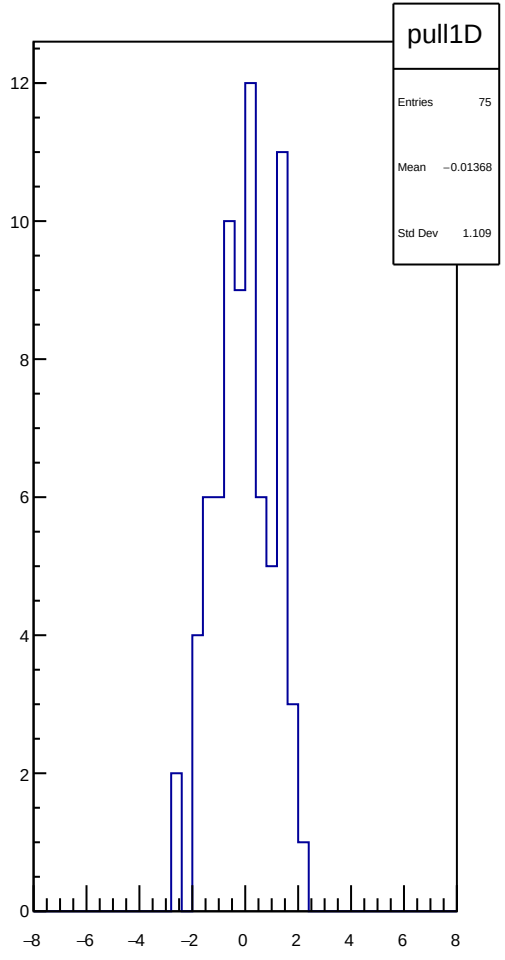

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3417 / 74
p0 115.5 ± 0.09506
145
140
135
130
125
120
115
110
105

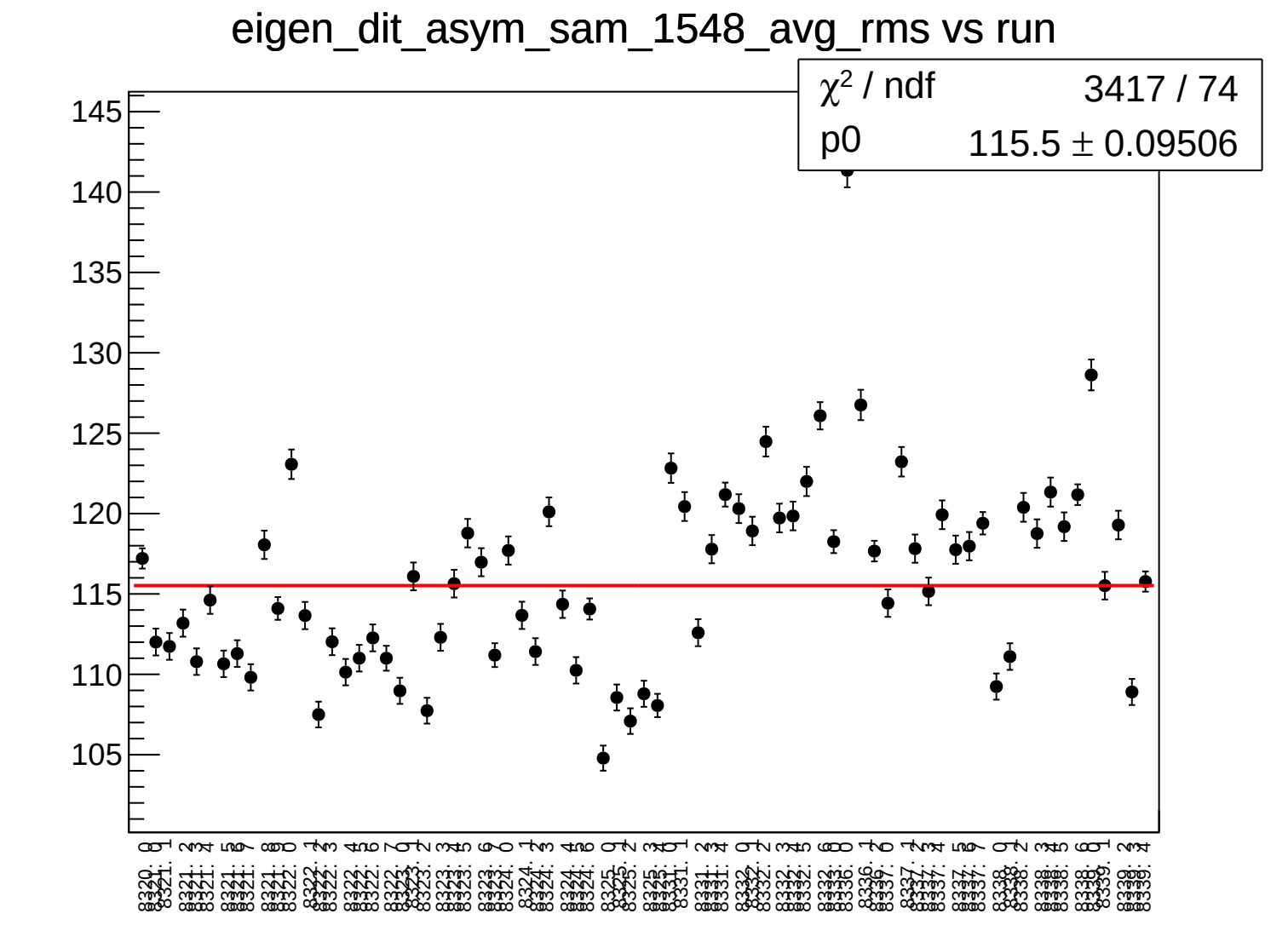

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 87.9 / 74
p0 −6574 ± 1557
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 92.32
Std Dev 77.1
3
2
1
0
−1
−2
−3

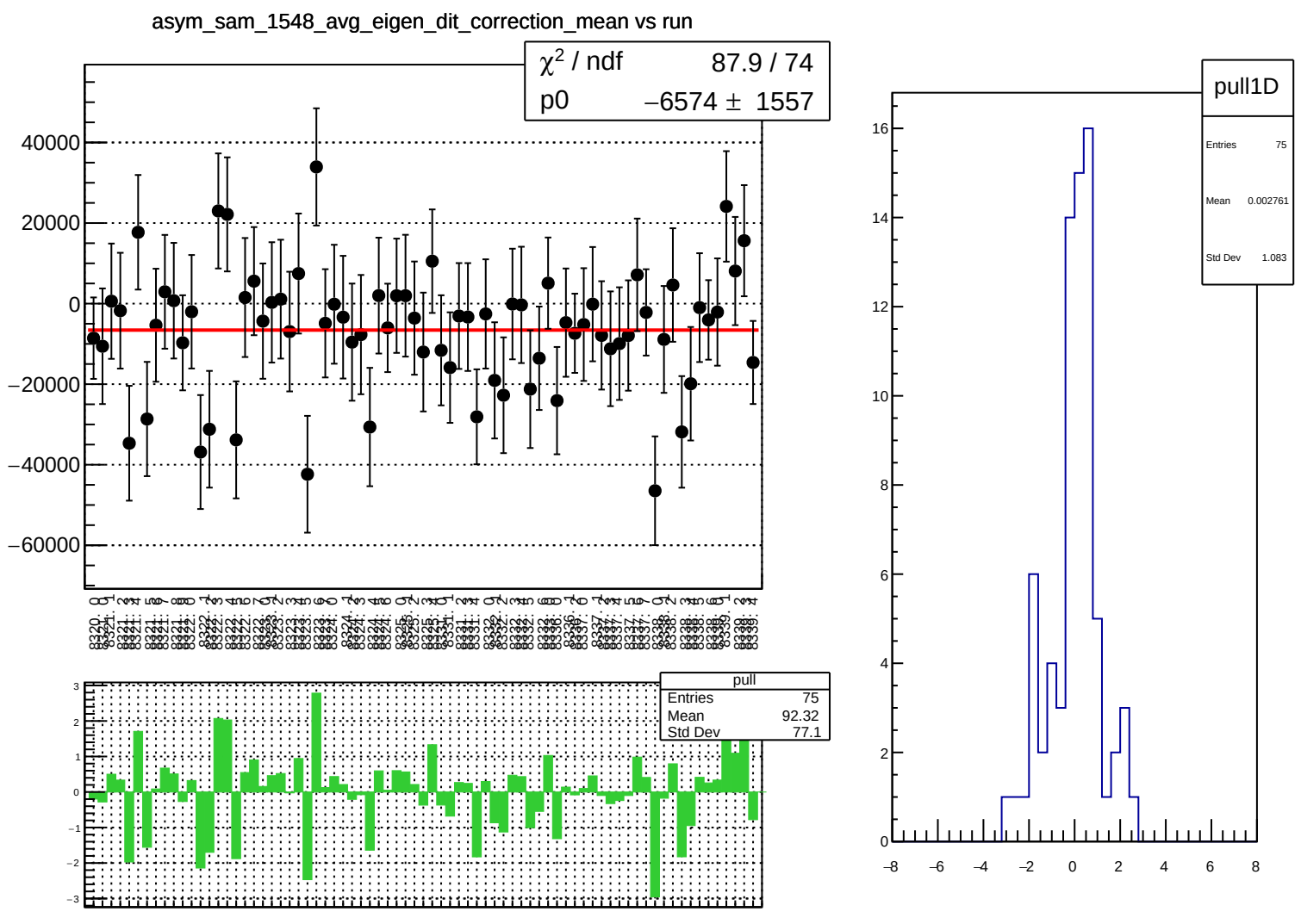

pull1D
Entries 75
Mean 0.002761
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

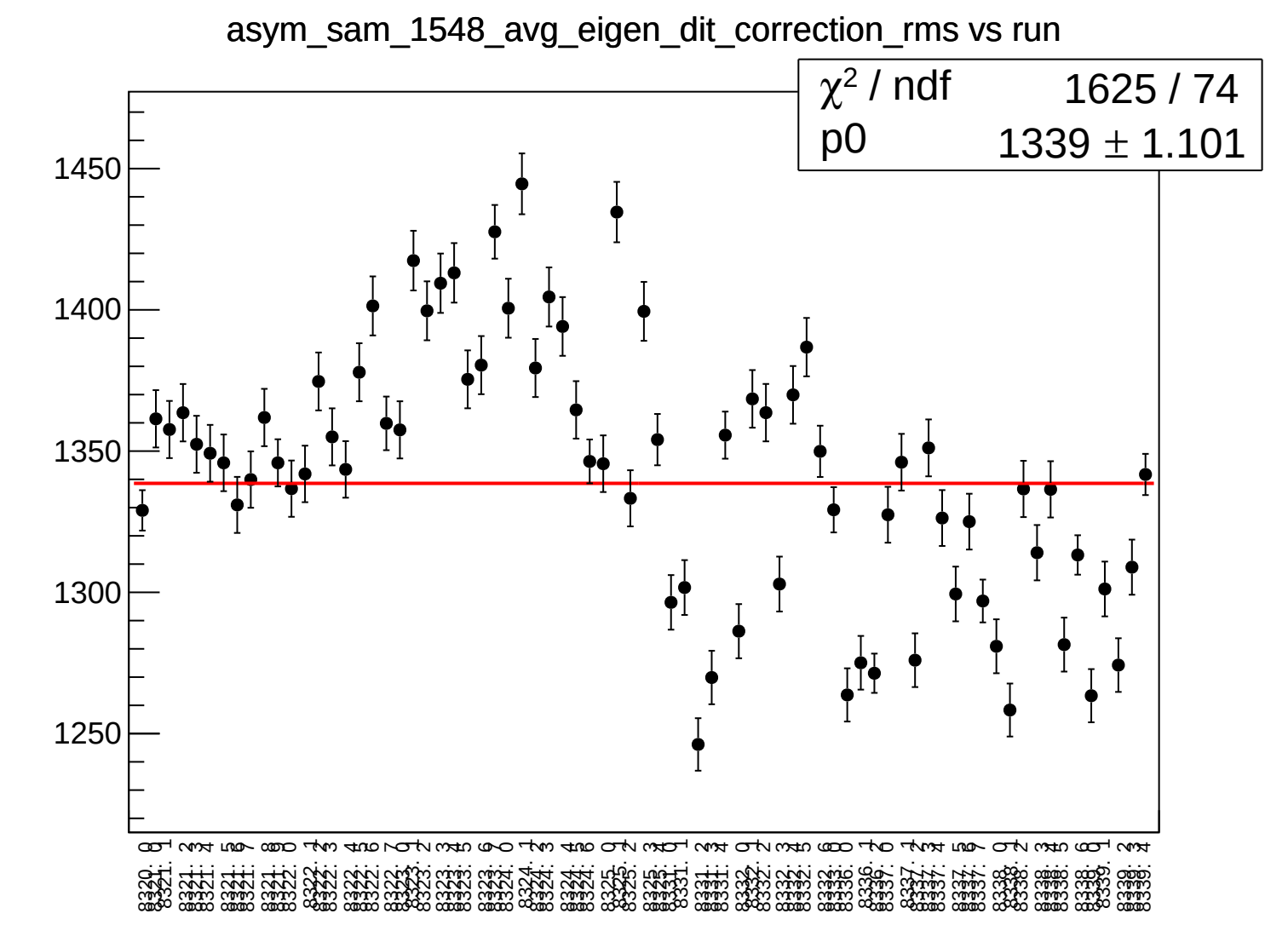

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 1625 / 74
p0 1339 ± 1.101
1450
1400
1350
1300
1250

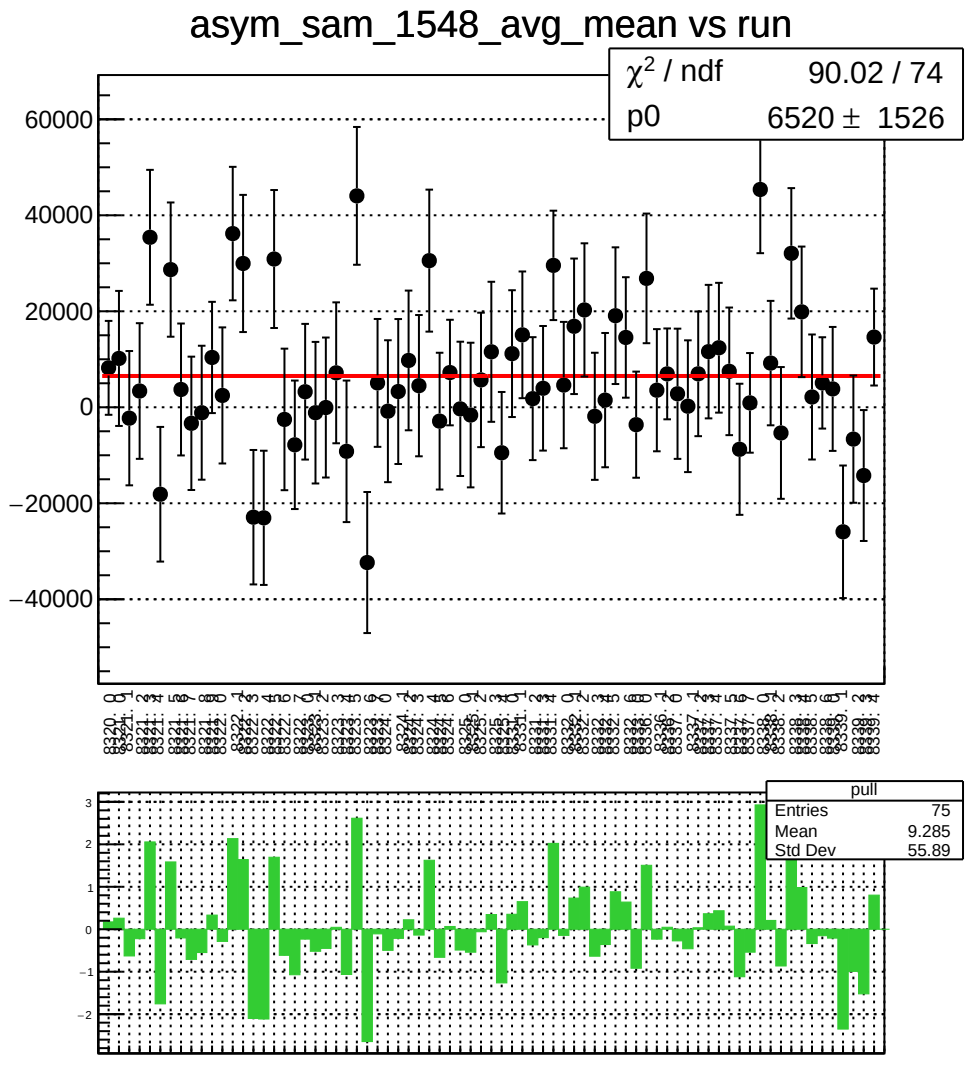

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 92.21 / 74
p0 −121.9 ± 134.4
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −223.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

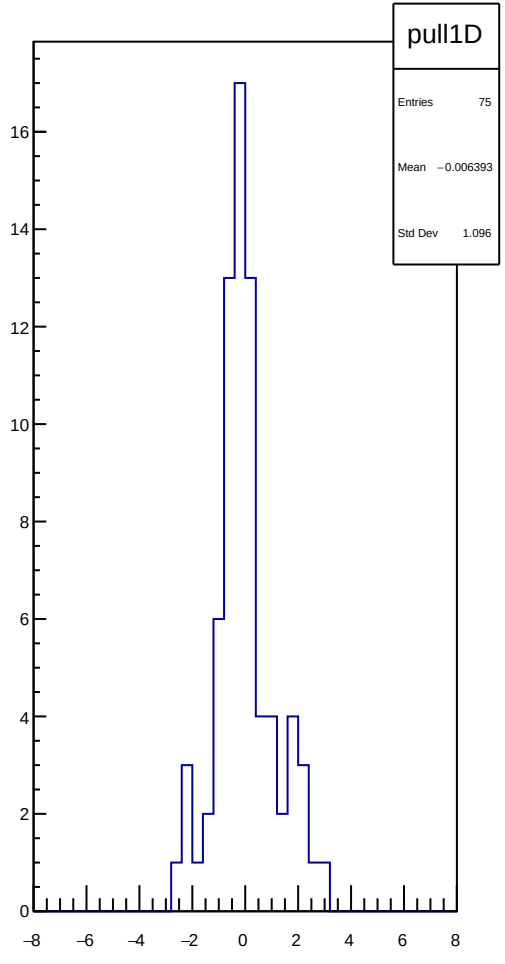

pull1D
Entries 75
Mean −0.01368
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

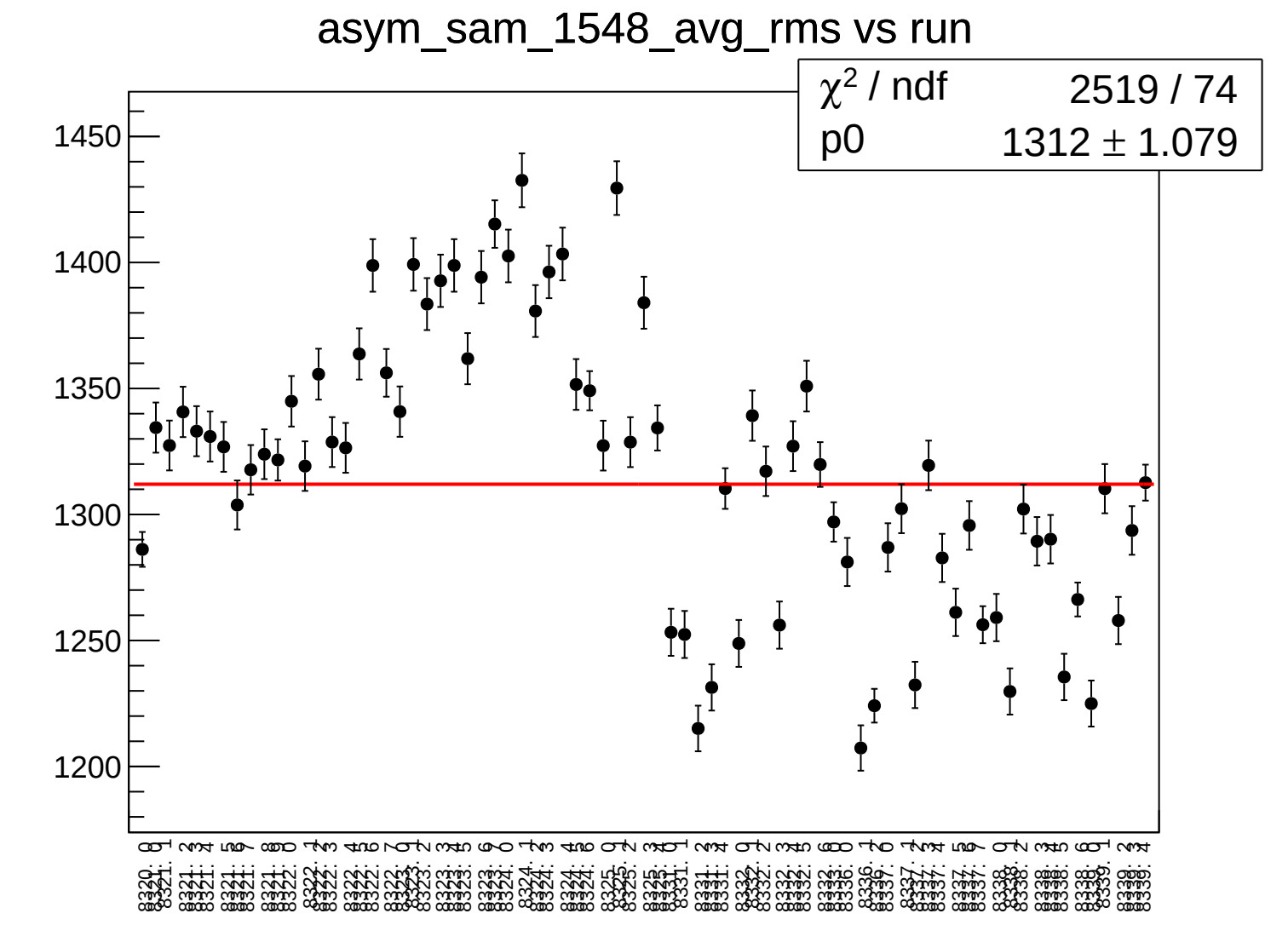

eigen_dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3417 / 74
p0 115.5 ± 0.09506
145
140
135
130
125
120
115
110
105

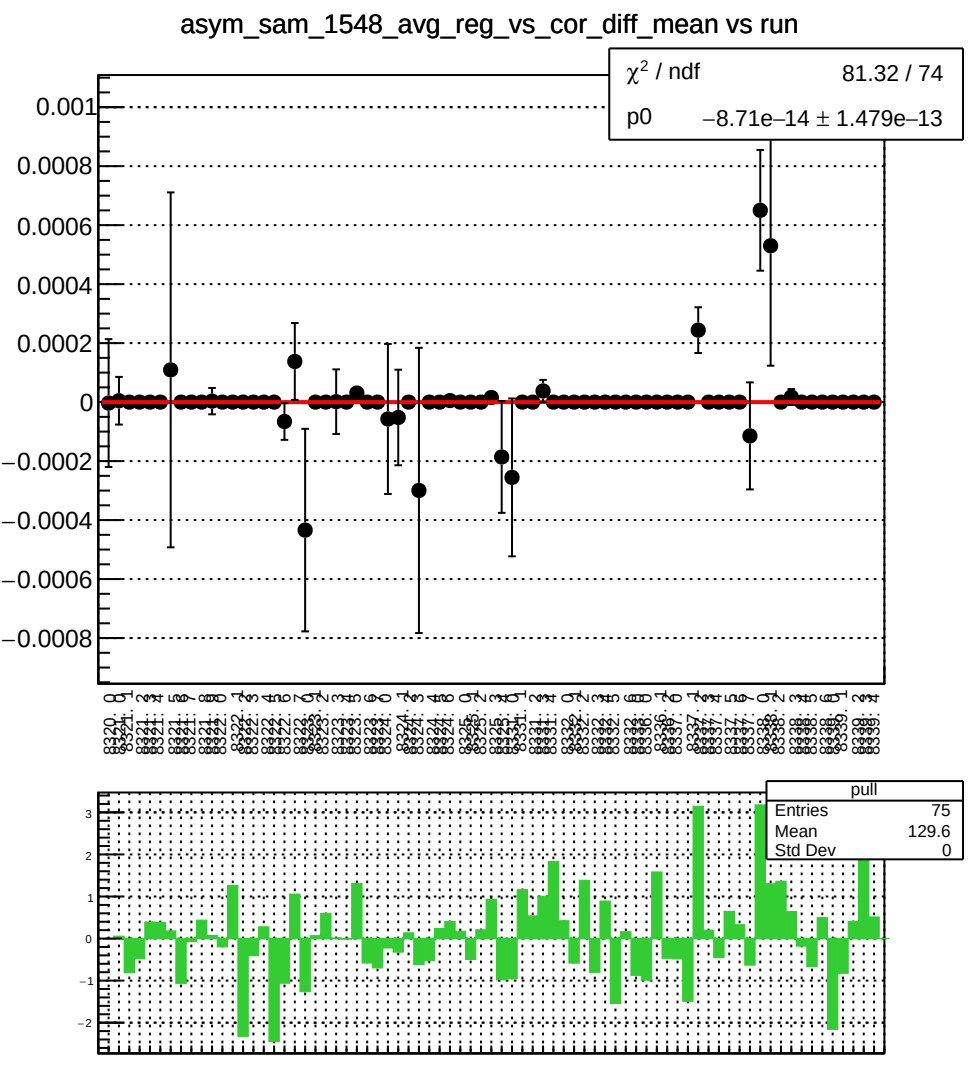

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 87.9 / 74
p0 −6574 ± 1557
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean 92.32
Std Dev 77.1
3
2
1
0
−1
−2
−3
pull1D
Entries 75
Mean 0.002761
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

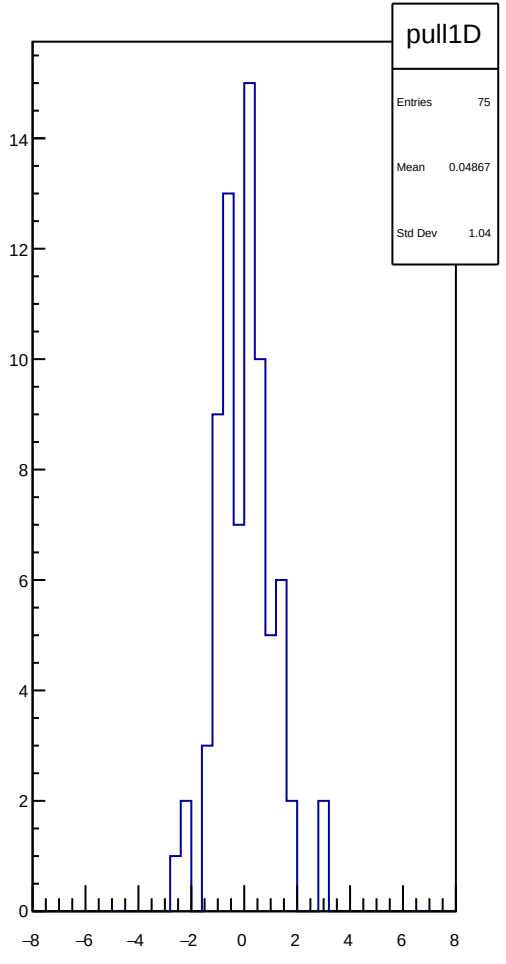

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 1625 / 74
p0 1339 ± 1.101
1450
1400
1350
1300
1250

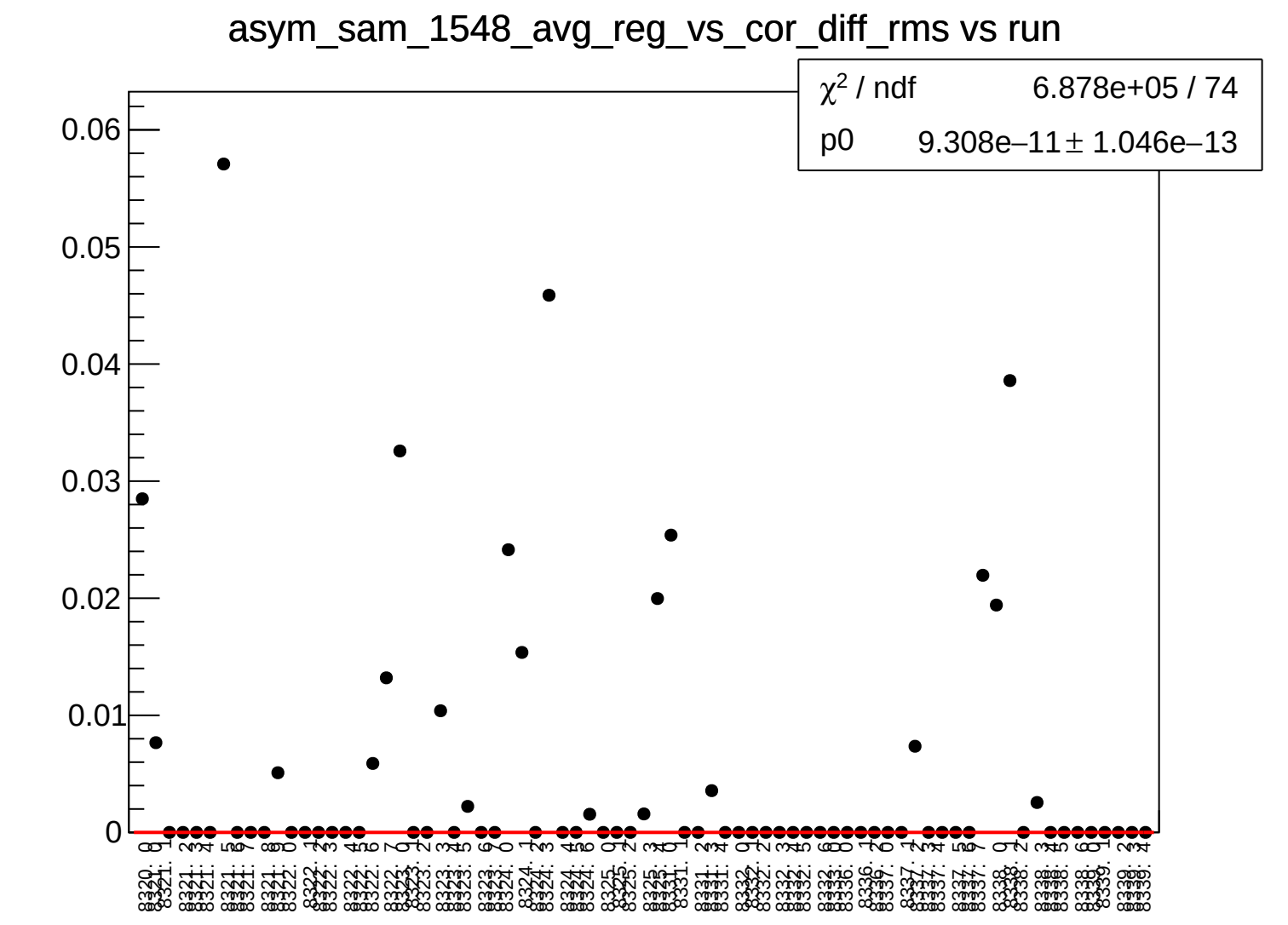

asym_sam_1548_avg_mean vs run
χ² / ndf 90.02 / 74
p0 6520 ± 1526
60000
40000
20000
0
−20000
−40000
pull
Entries 75
Mean 9.285
Std Dev 55.89
3
2
1
0
−1
−2

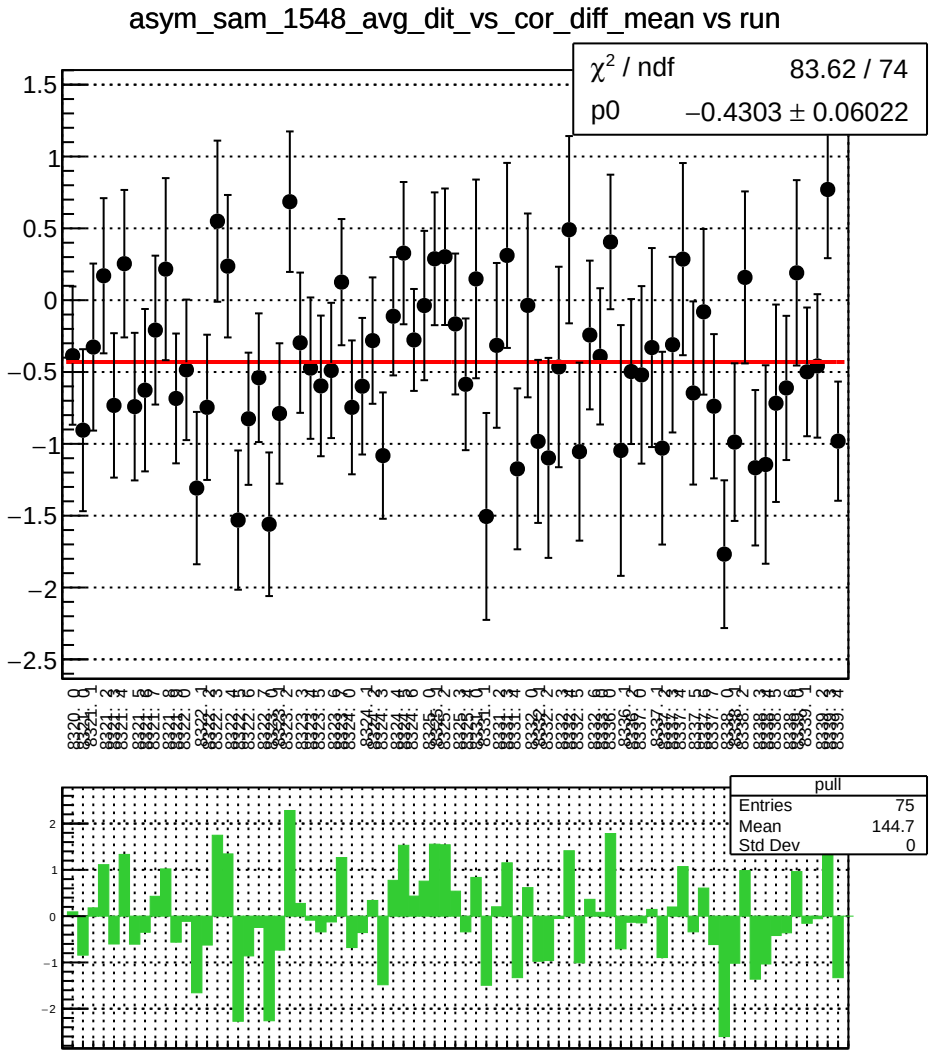

pull1D
Entries 75
Mean −0.006393
Std Dev 1.096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

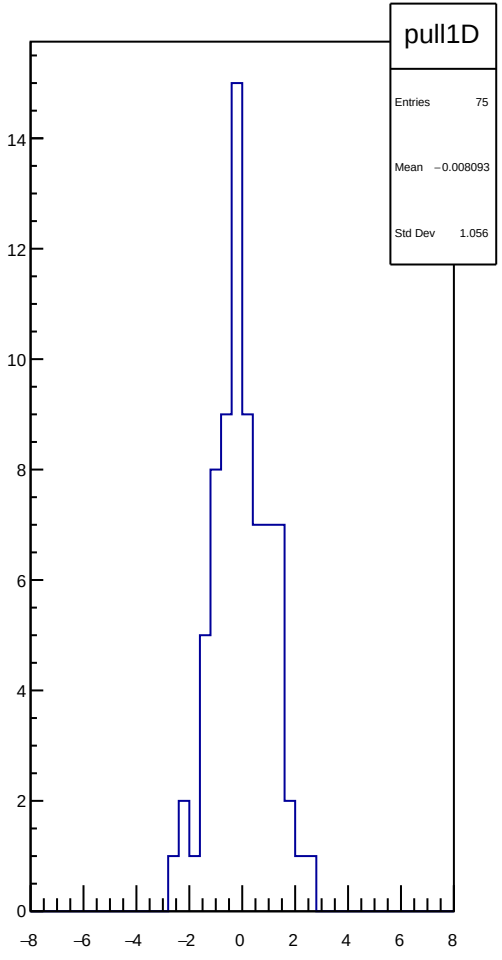

asym_sam_1548_avg_rms vs run
χ² / ndf 2519 / 74
p0 1312 ± 1.079
1450
1400
1350
1300
1250
1200

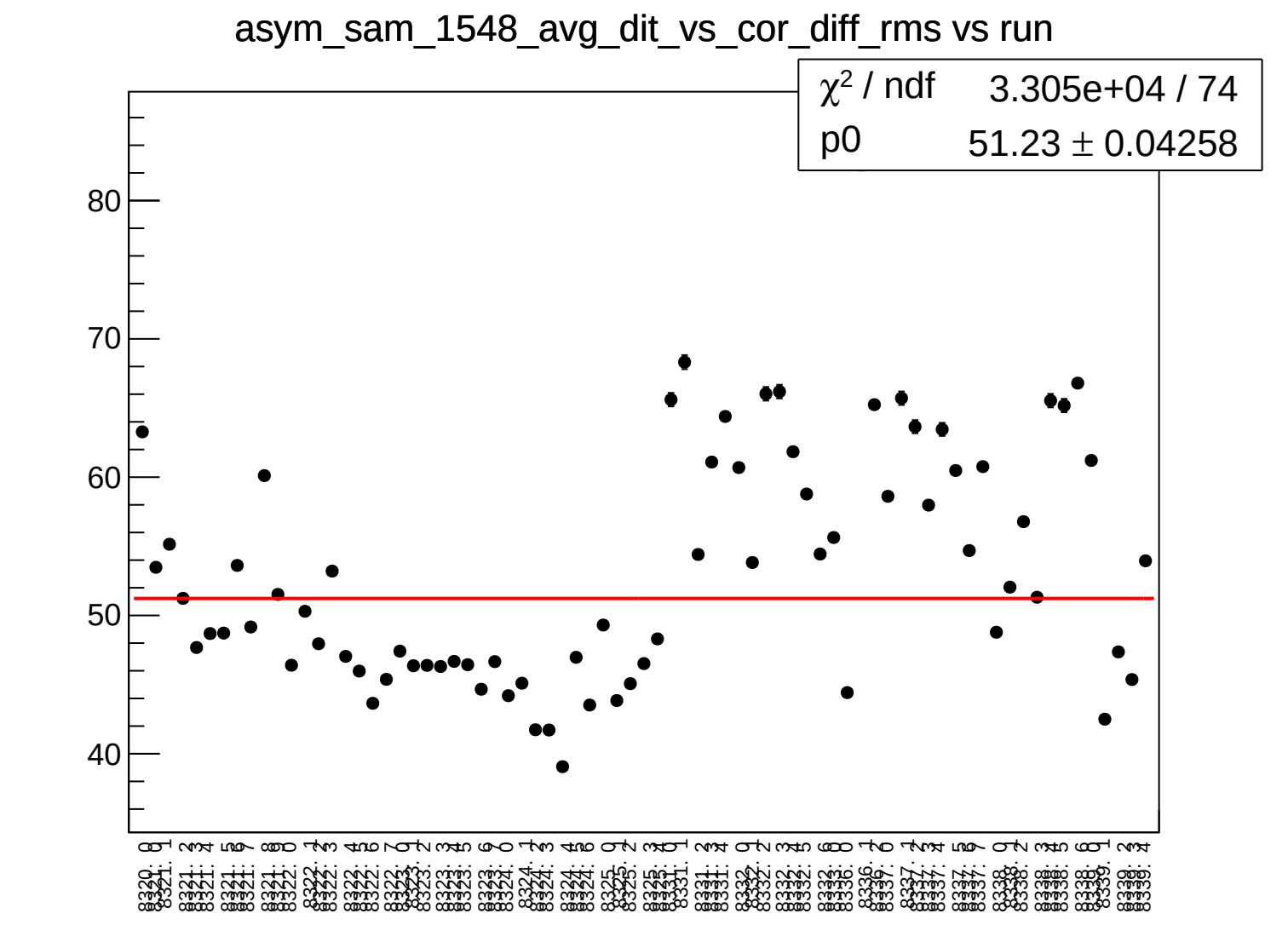

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 81.32 / 74
p0 −8.71e−14 ± 1.479e−13
pull
Entries 75
Mean 129.6
Std Dev 0

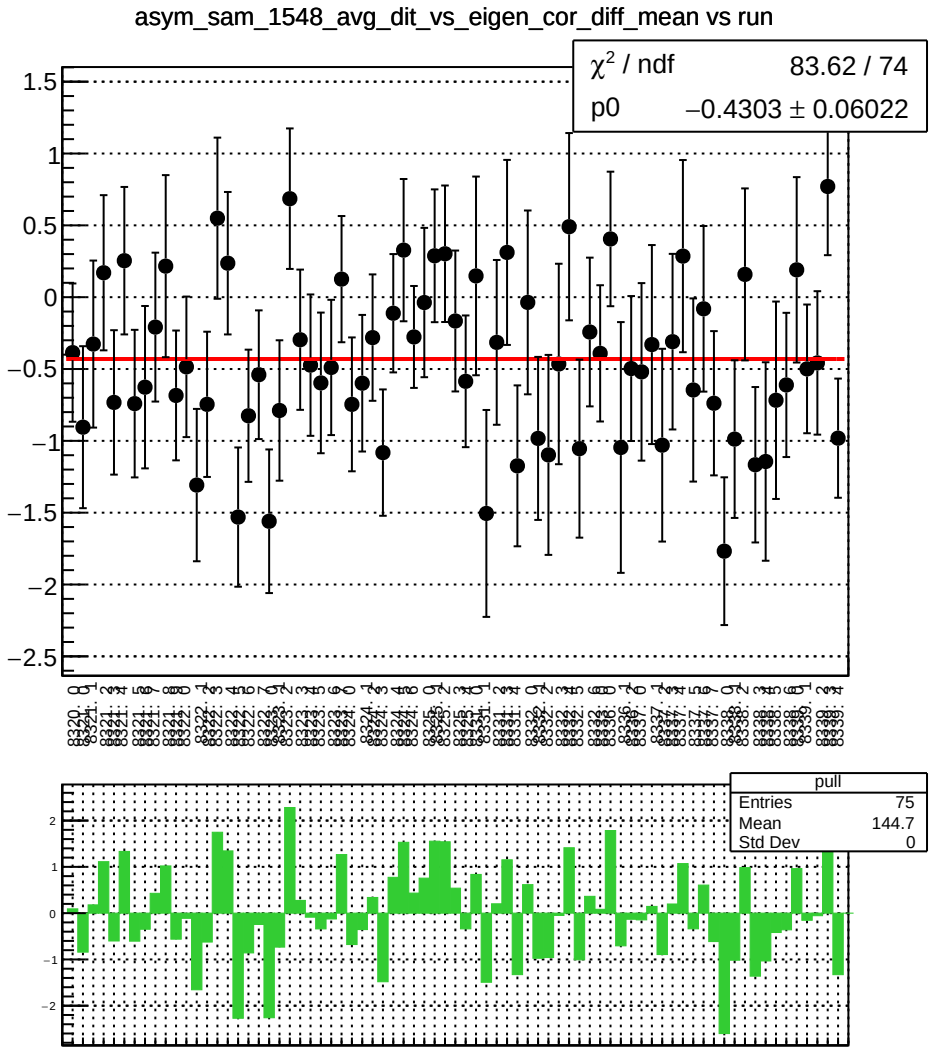

pull1D
Entries 75
Mean 0.04867
Std Dev 1.04

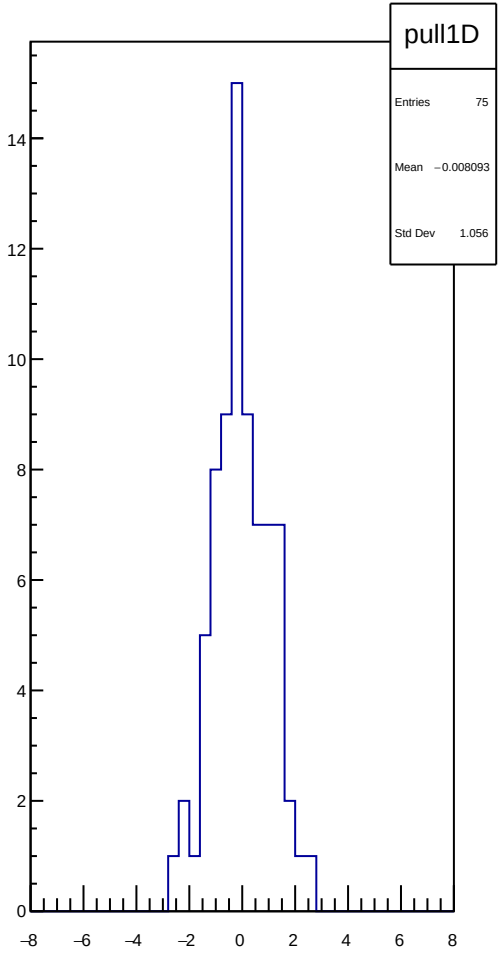

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.878e+05 / 74
p0 9.308e−11 ± 1.046e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

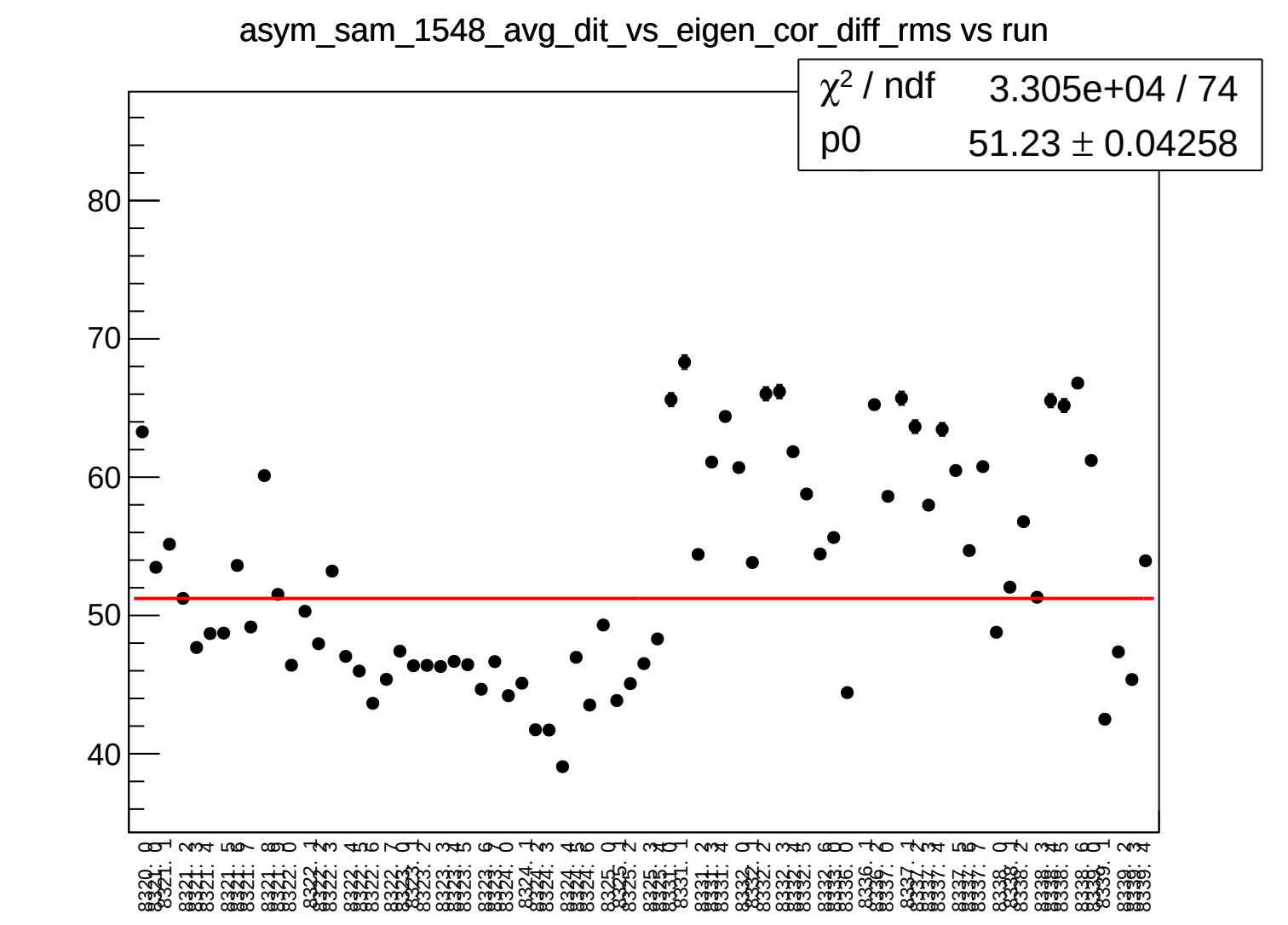

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 83.62 / 74
p0 −0.4303 ± 0.06022
pull
Entries 75
Mean 144.7
Std Dev 0

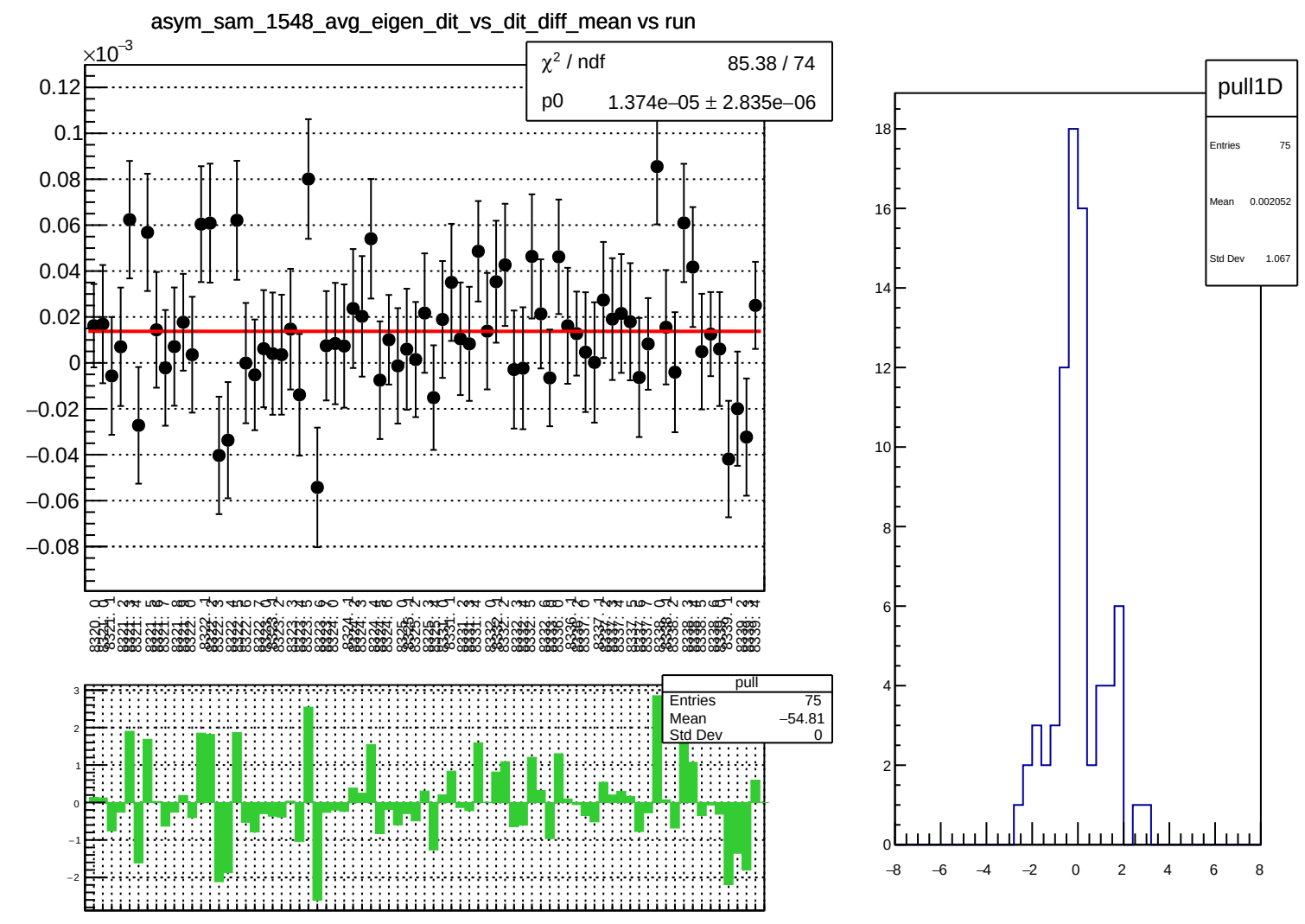

pull1D
Entries 75
Mean −0.008093
Std Dev 1.056

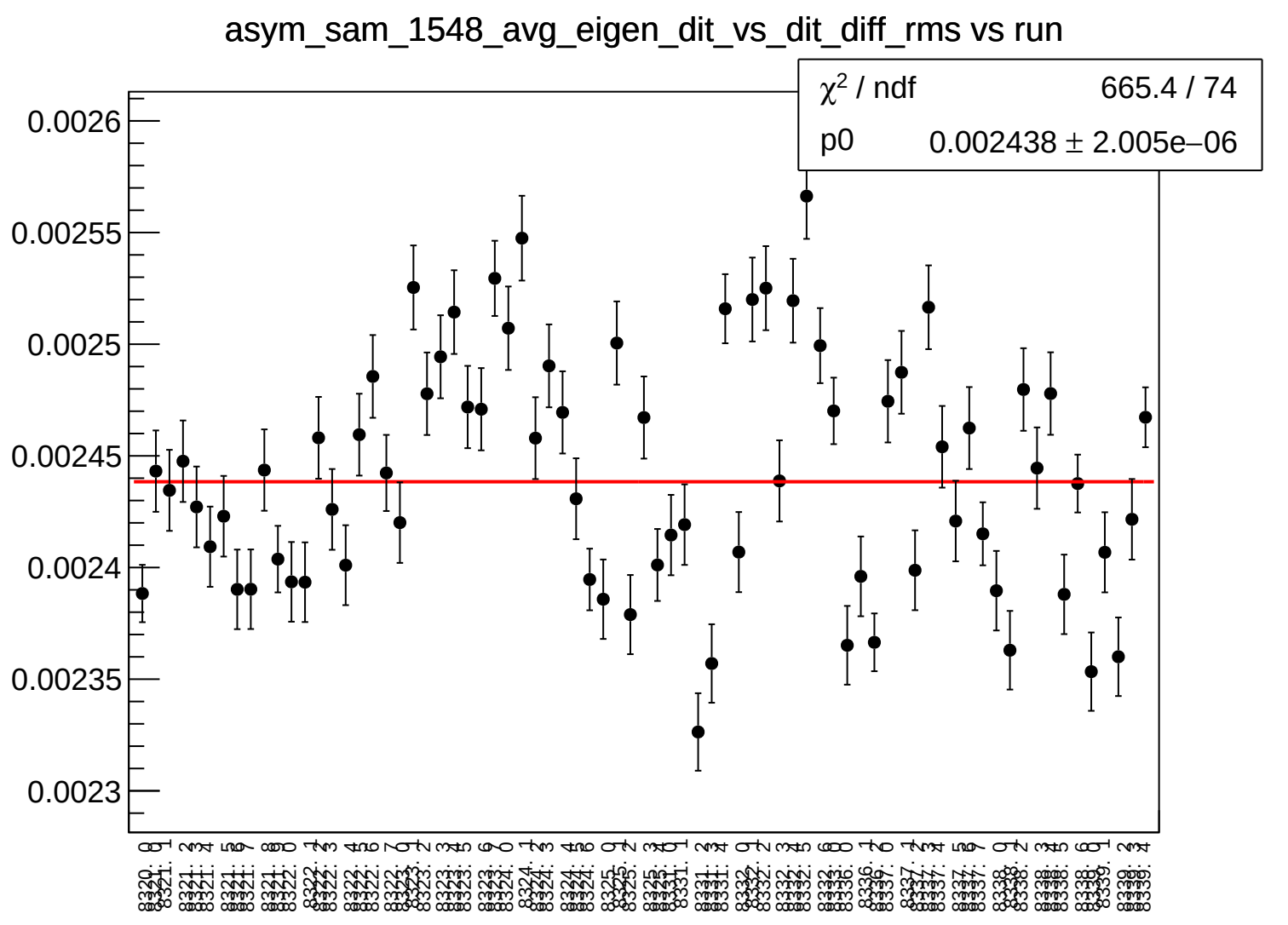

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.305e+04 / 74
p0 51.23 ± 0.04258
80
70
60
50
40

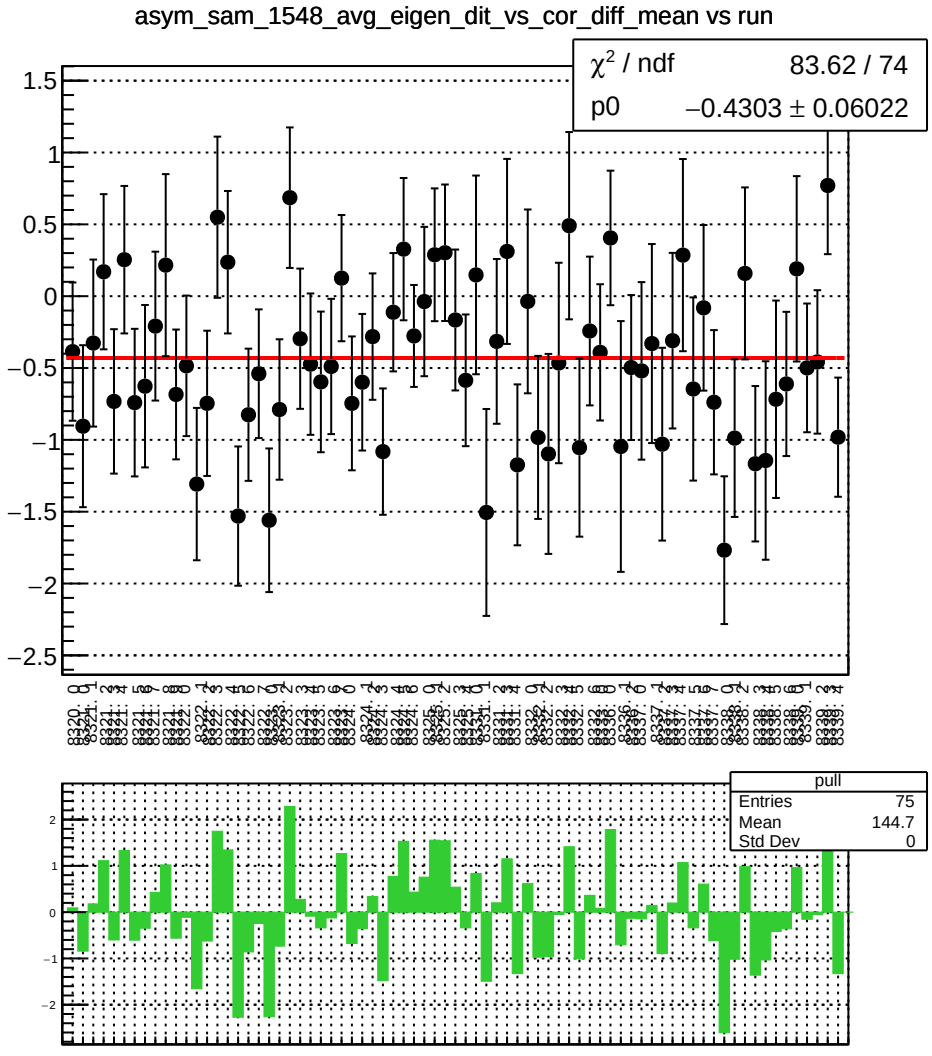

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.62 / 74
p0 −0.4303 ± 0.06022
pull
Entries 75
Mean 144.7
Std Dev 0

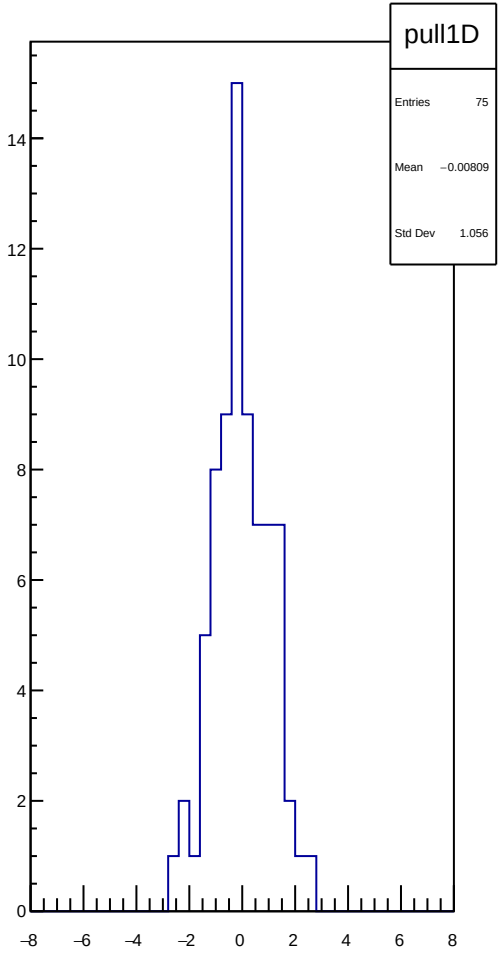

pull1D
Entries 75
Mean −0.008093
Std Dev 1.056

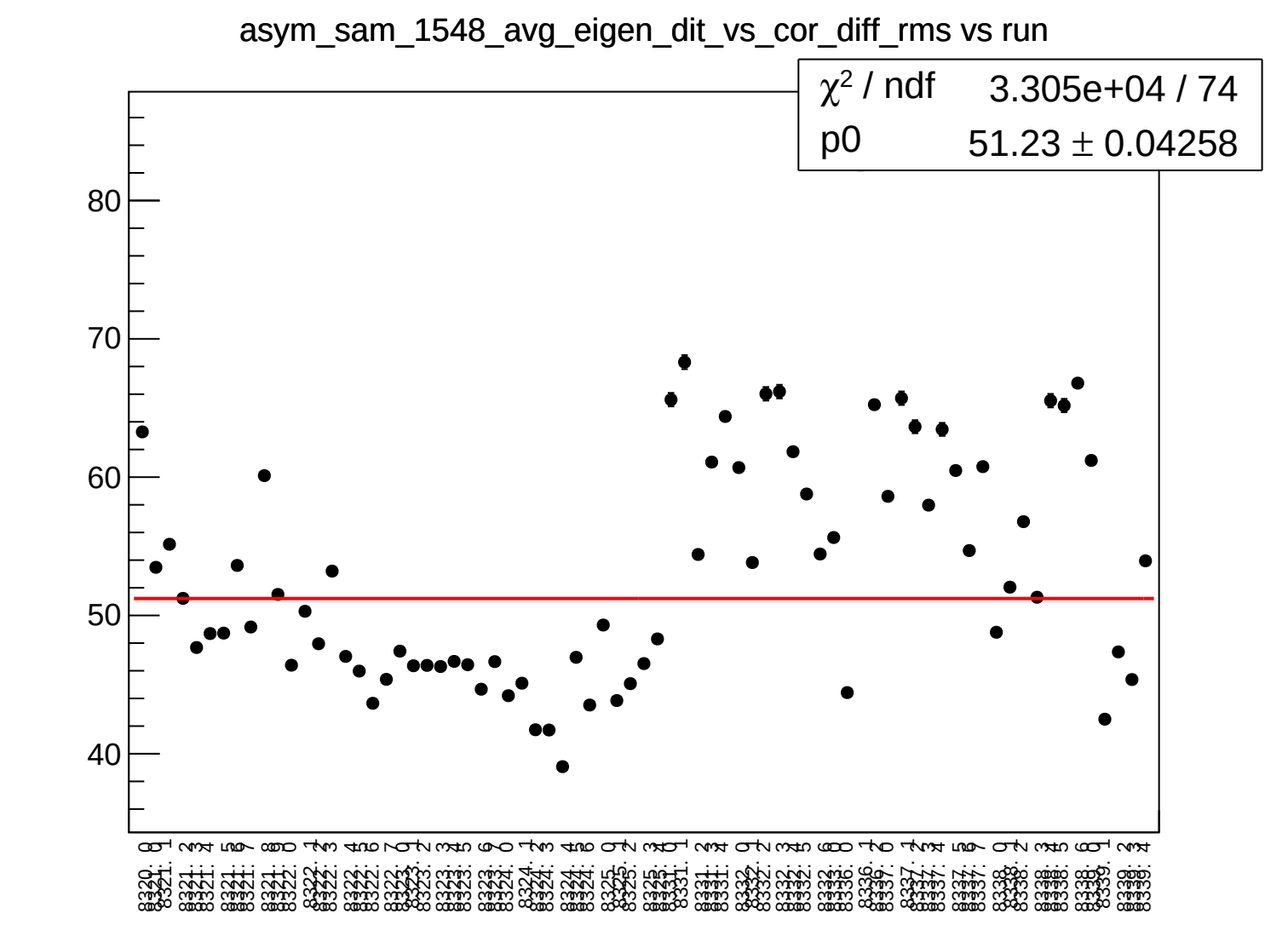

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.305e+04 / 74
p0 51.23 ± 0.04258
80
70
60
50
40

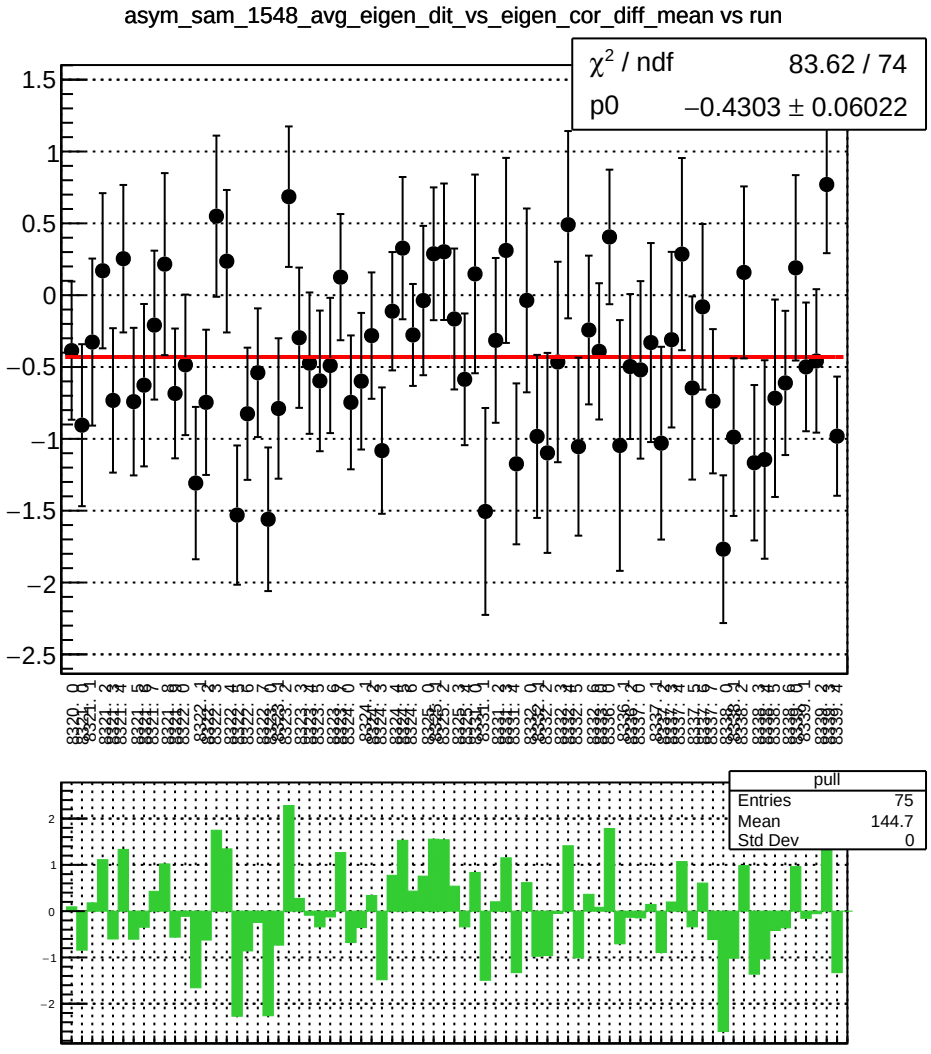

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 85.38 / 74
p0 1.374e−05 ± 2.835e−06
pull
Entries 75
Mean −54.81
Std Dev 0
pull1D
Entries 75
Mean 0.002052
Std Dev 1.067

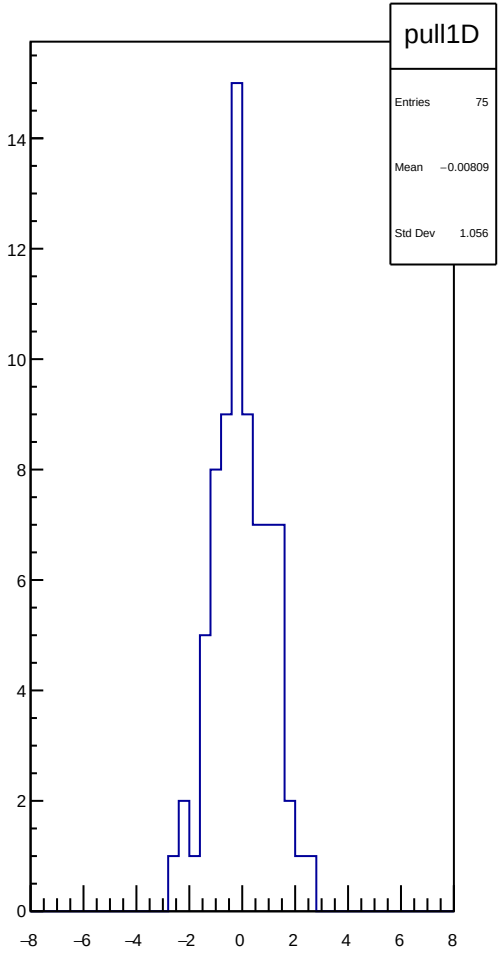

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 665.4 / 74
p0 0.002438 ± 2.005e−06
0.0026
0.00255
0.0025
0.00245
0.0024
0.00235
0.0023

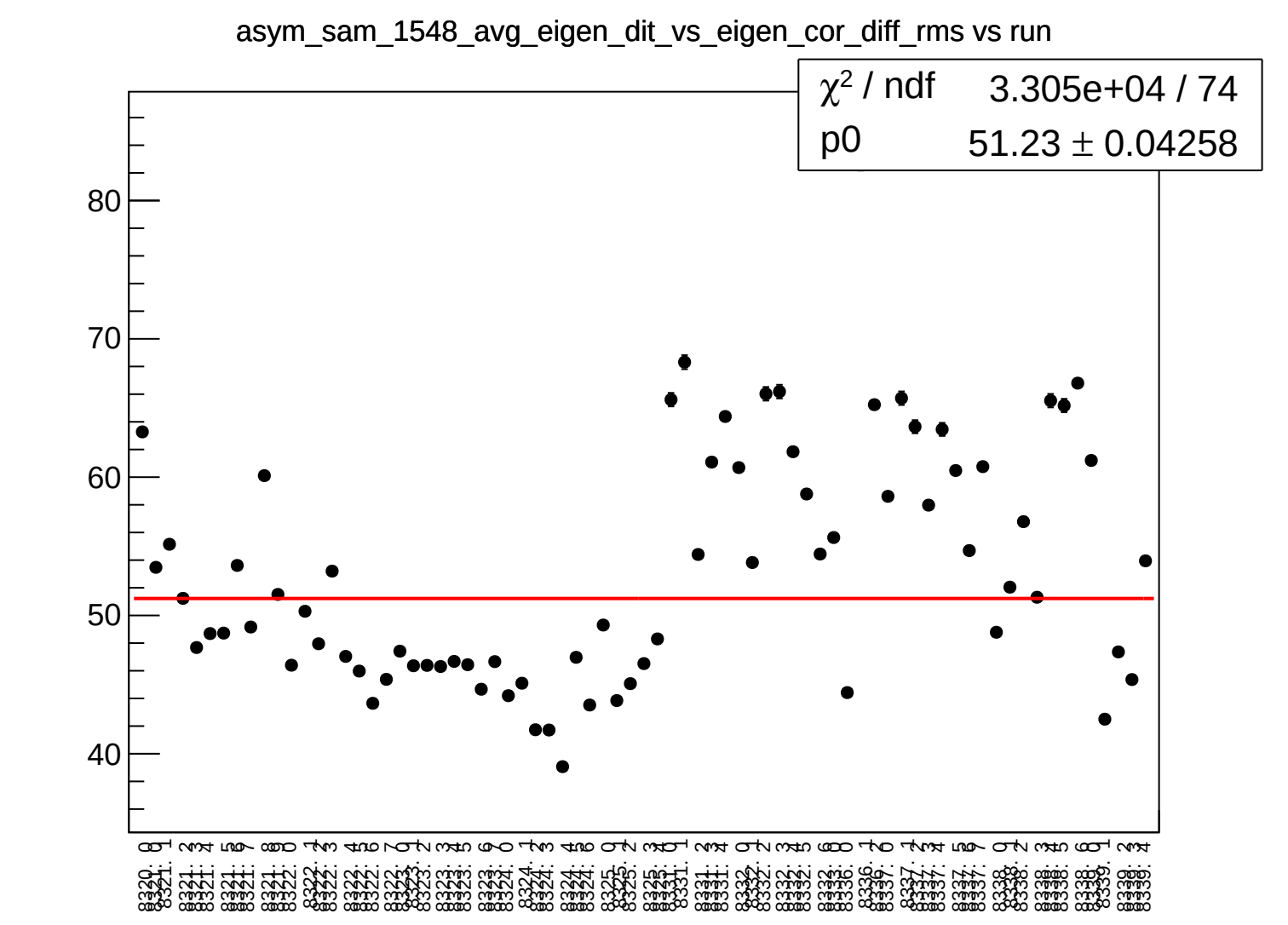

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 83.62 / 74
p0 −0.4303 ± 0.06022
pull
Entries 75
Mean 144.7
Std Dev 0

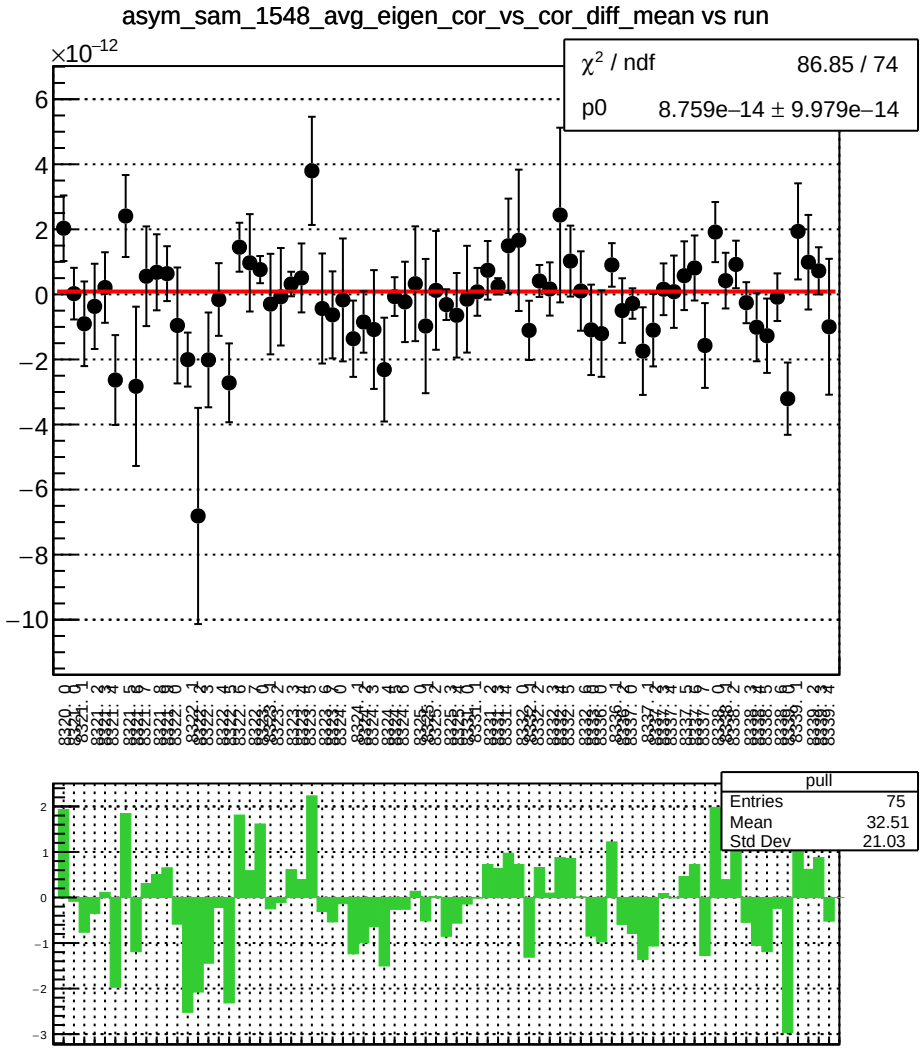

pull1D
Entries 75
Mean −0.00809
Std Dev 1.056

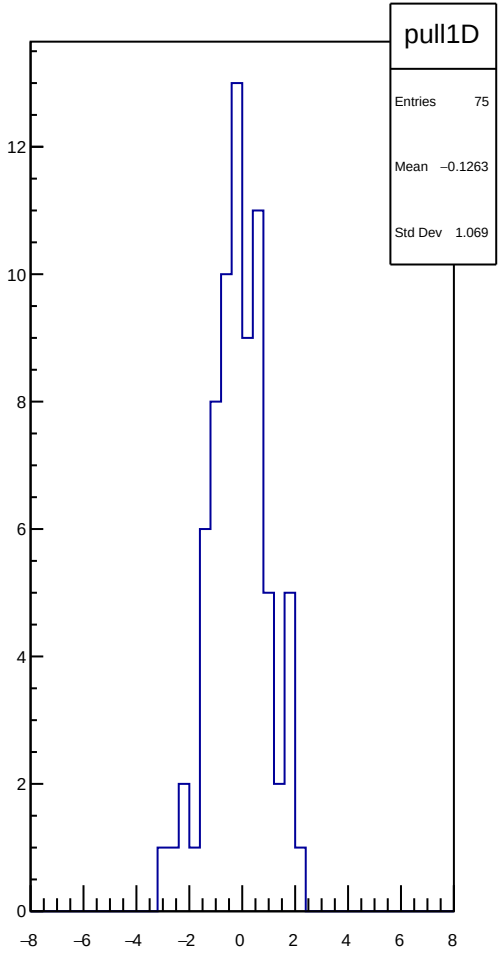

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.305e+04 / 74
p0 51.23 ± 0.04258
80
70
60
50
40

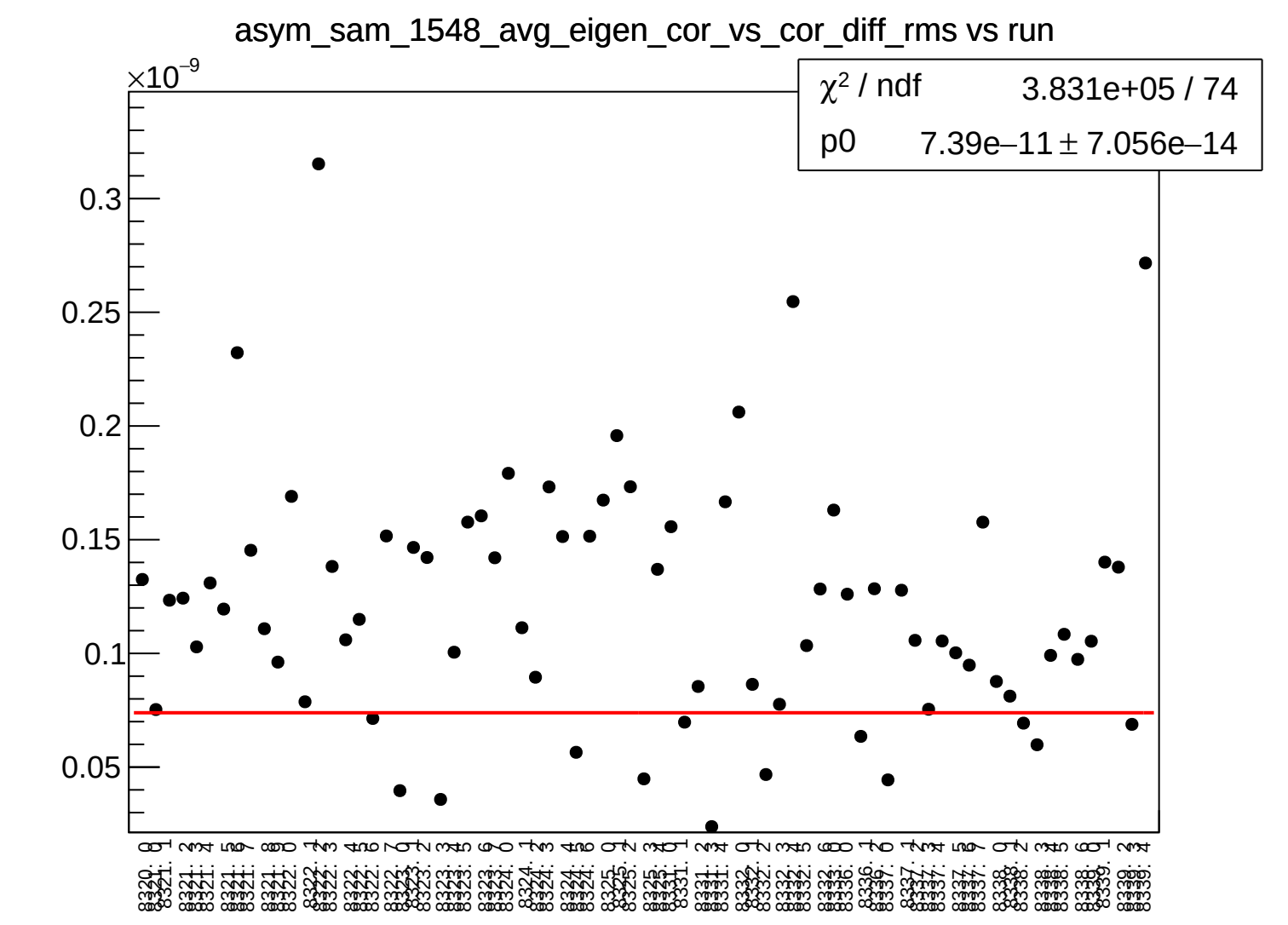

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 83.62 / 74
p0 −0.4303 ± 0.06022
pull
Entries 75
Mean 144.7
Std Dev 0

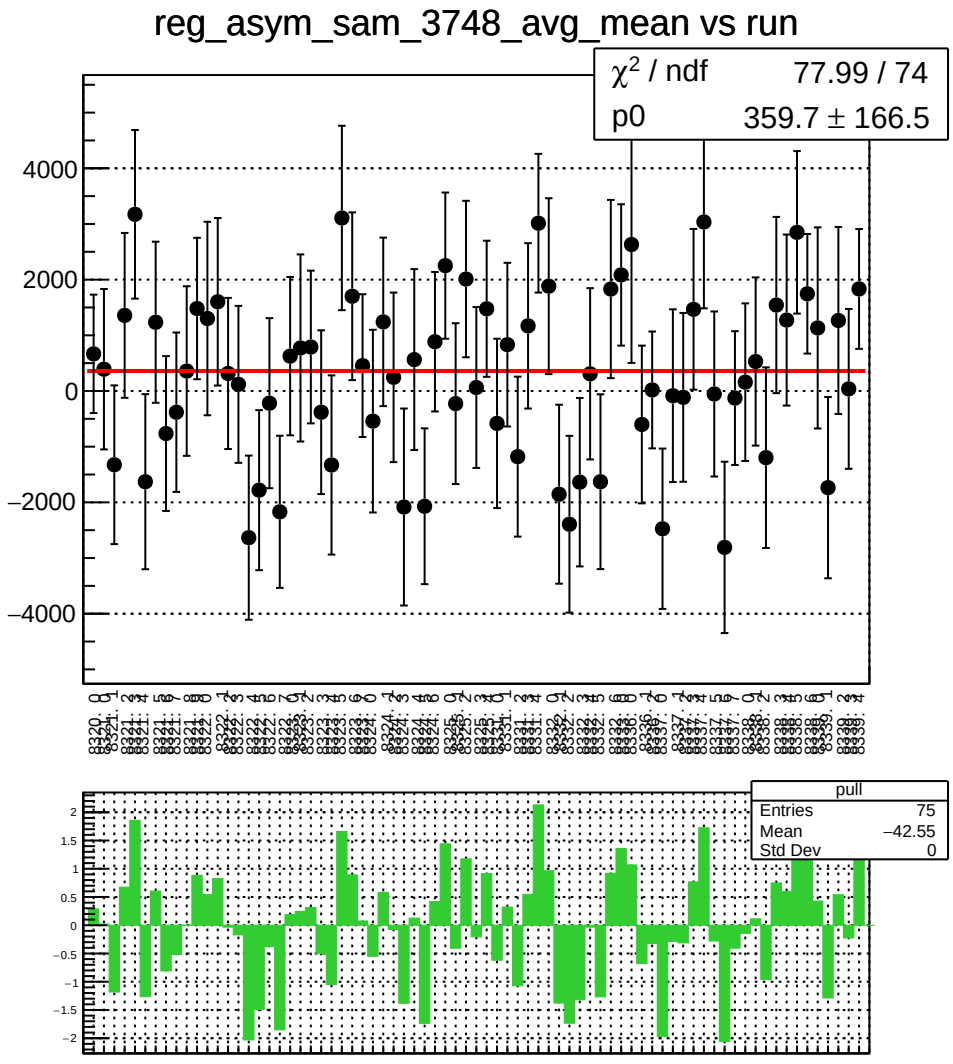

pull1D
Entries 75
Mean −0.00809
Std Dev 1.056

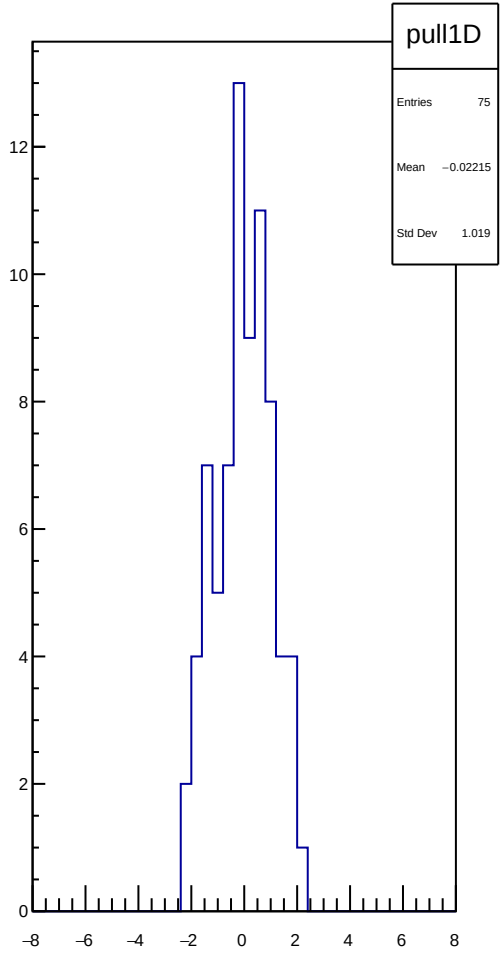

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.305e+04 / 74
p0 51.23 ± 0.04258
80
70
60
50
40

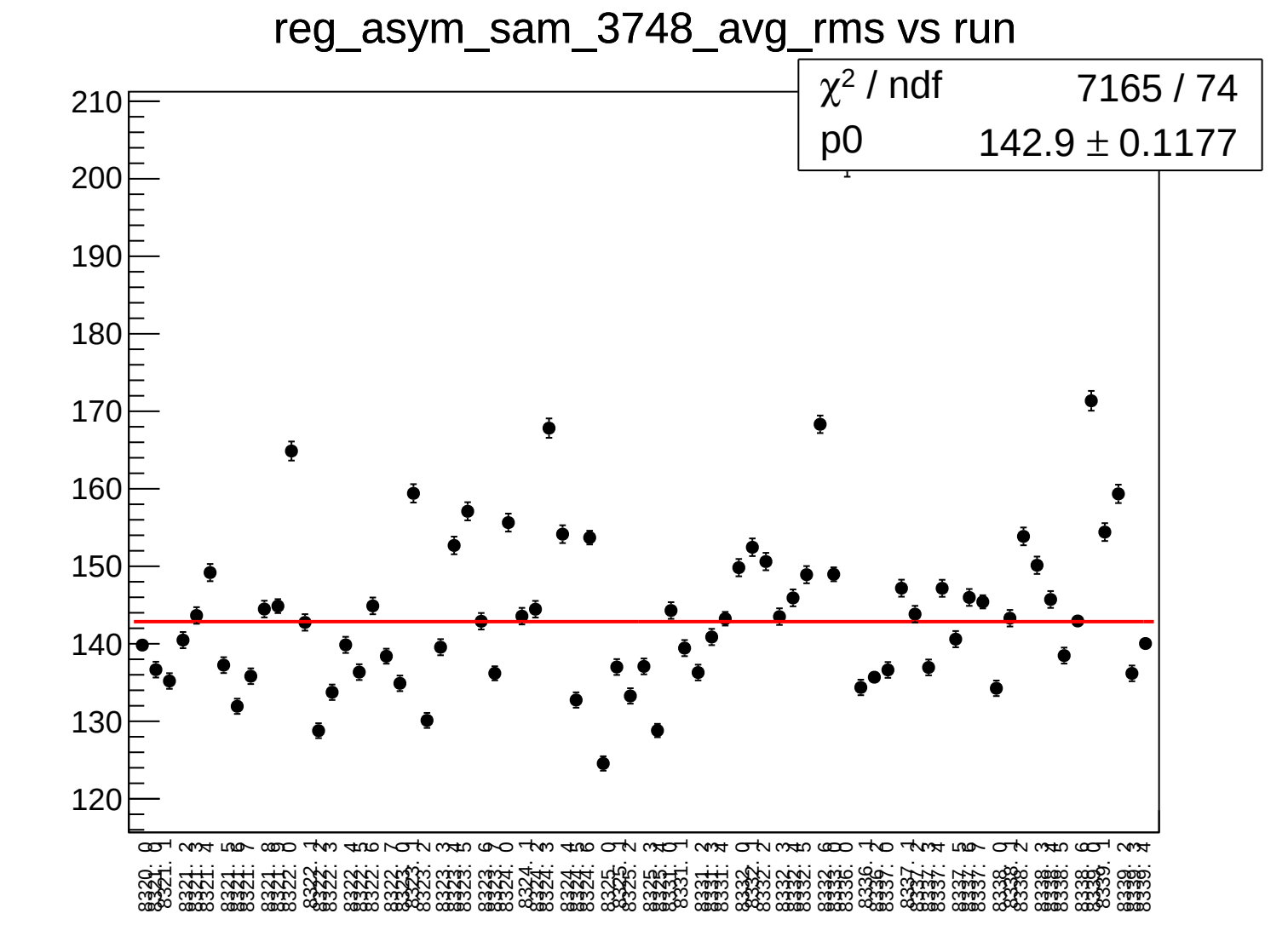

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 86.85 / 74
p0 8.759e−14 ± 9.979e−14
pull
Entries 75
Mean 32.51
Std Dev 21.03

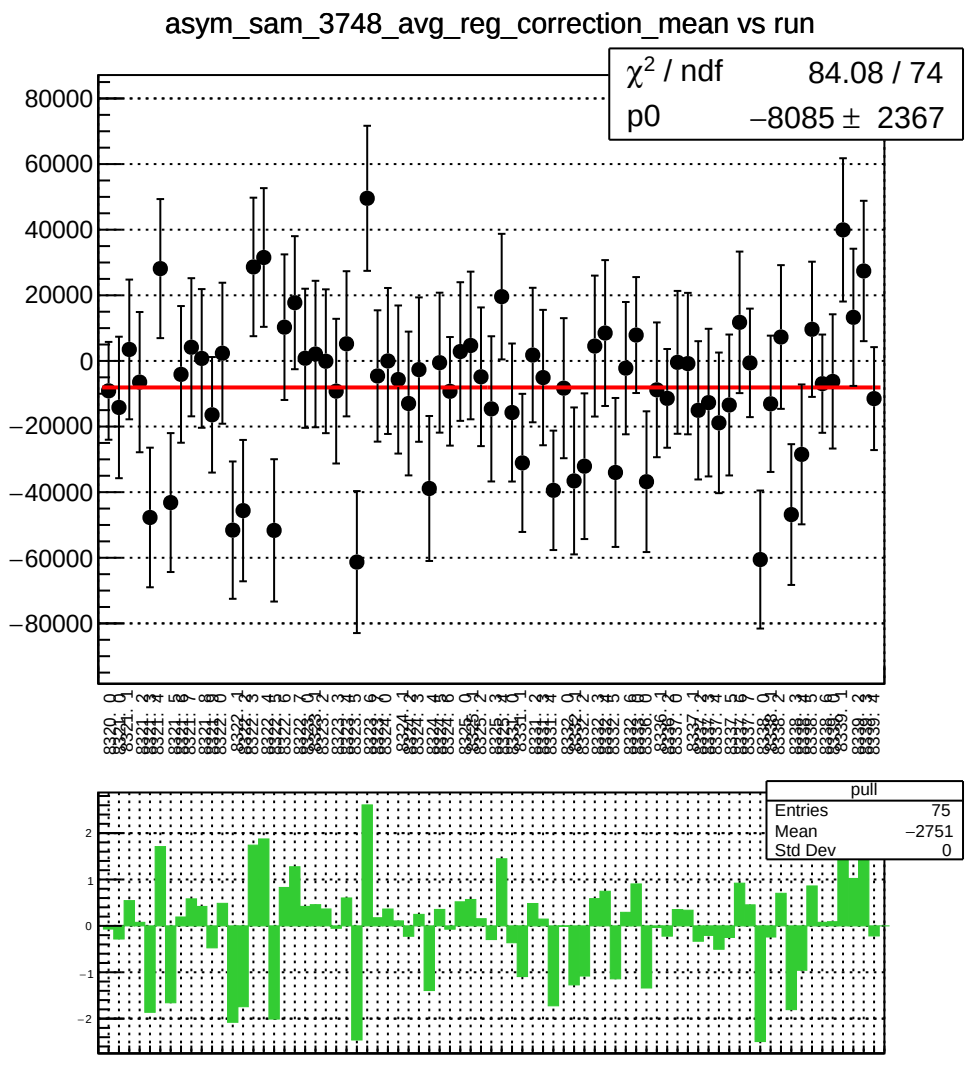

pull1D
Entries 75
Mean −0.1263
Std Dev 1.069

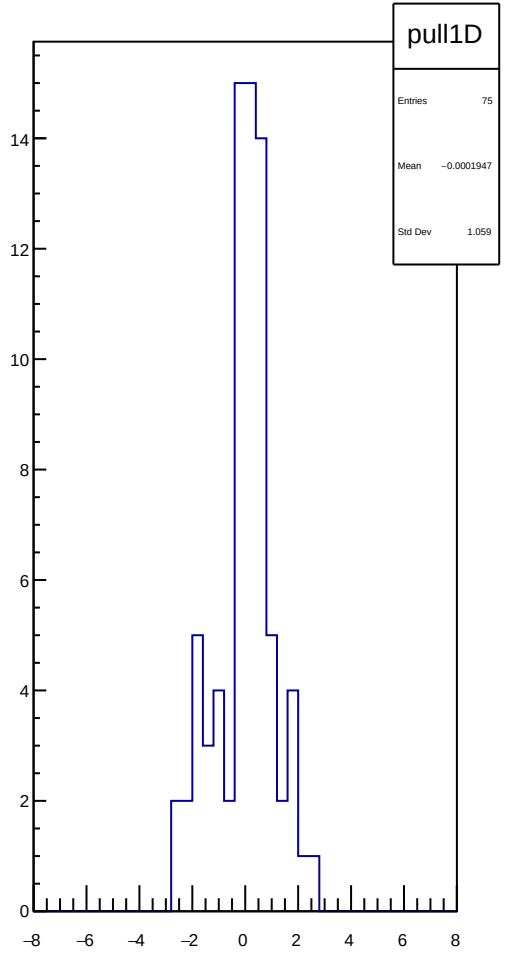

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.831e+05 / 74
p0 7.39e−11 ± 7.056e−14
0.3
0.25
0.2
0.15
0.1
0.05

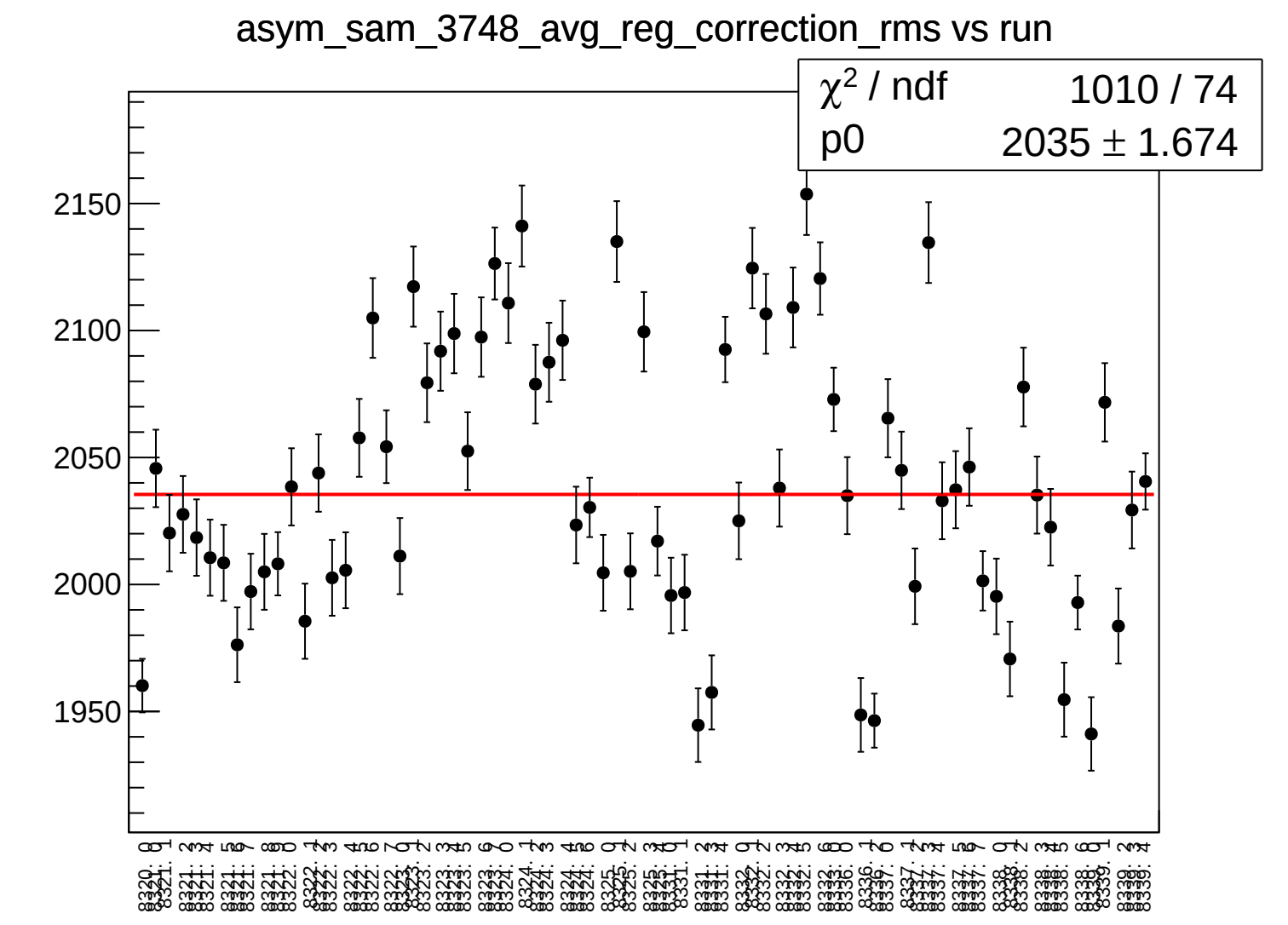

reg_asym_sam_3748_avg_mean vs run
χ² / ndf 77.99 / 74
p0 359.7 ± 166.5
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −42.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

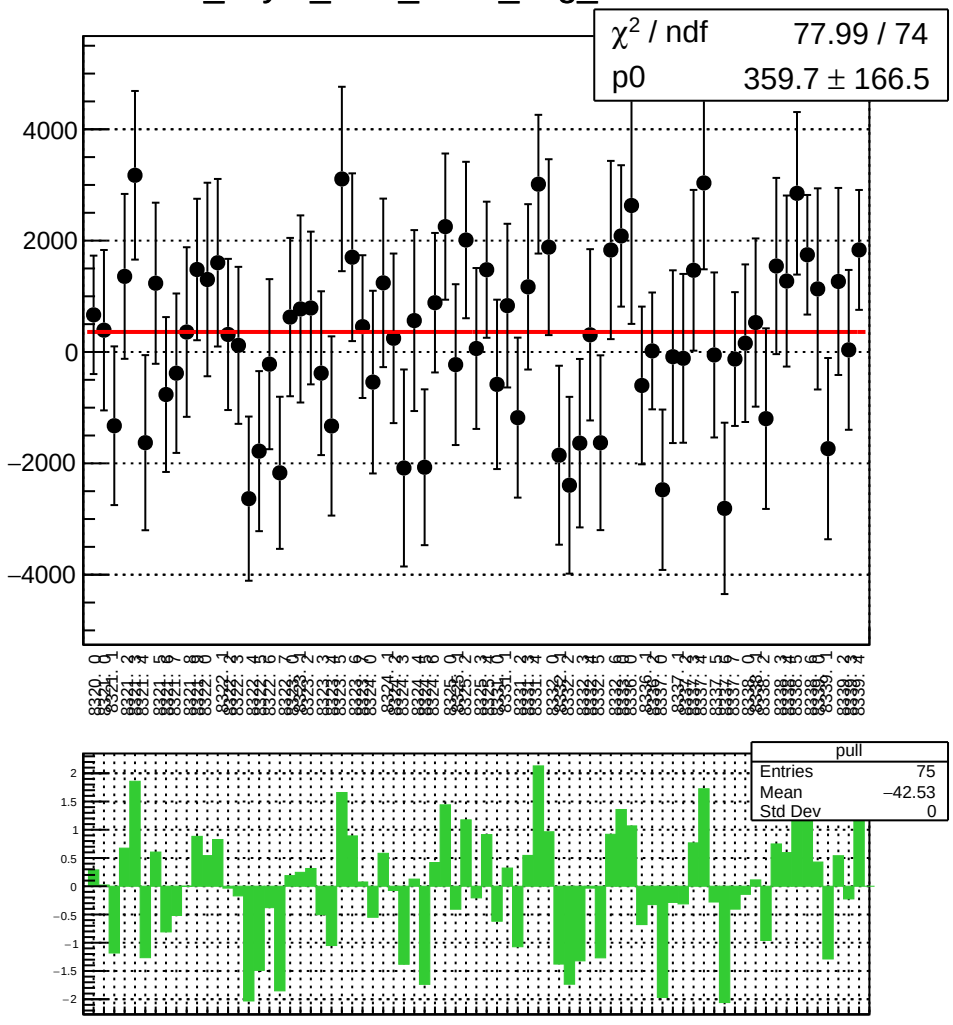

pull1D
Entries 75
Mean −0.02215
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

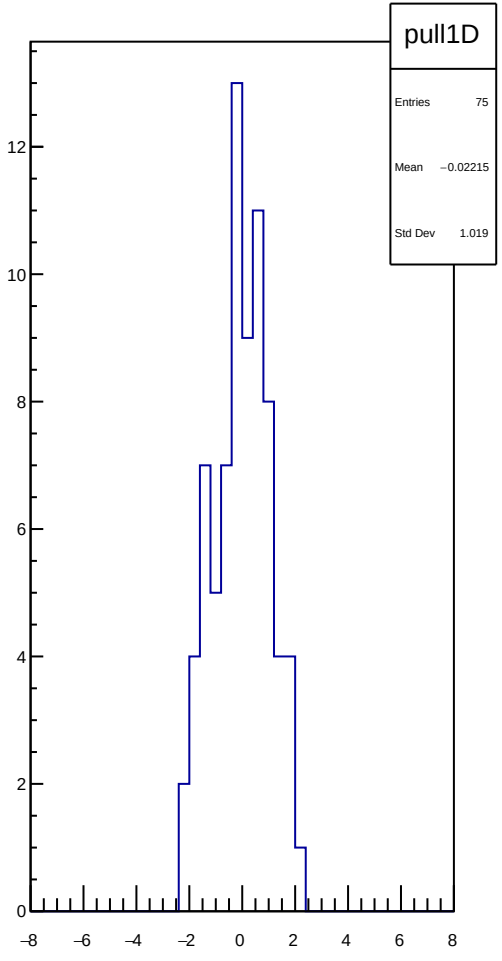

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 7165 / 74
p0 142.9 ± 0.1177
210
200
190
180
170
160
150
140
130
120

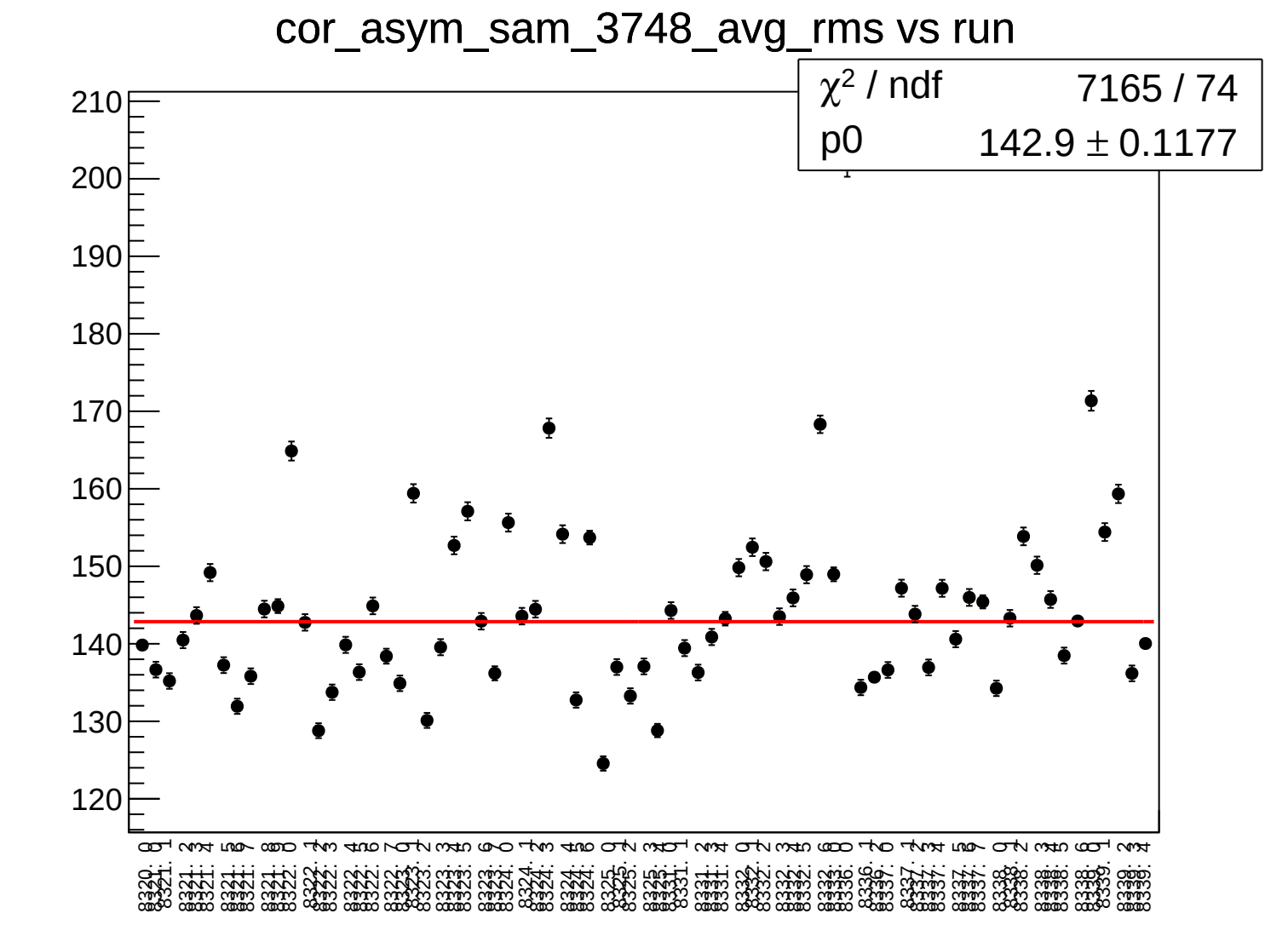

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 84.08 / 74
p0 −8085 ± 2367
pull
Entries 75
Mean −2751
Std Dev 0

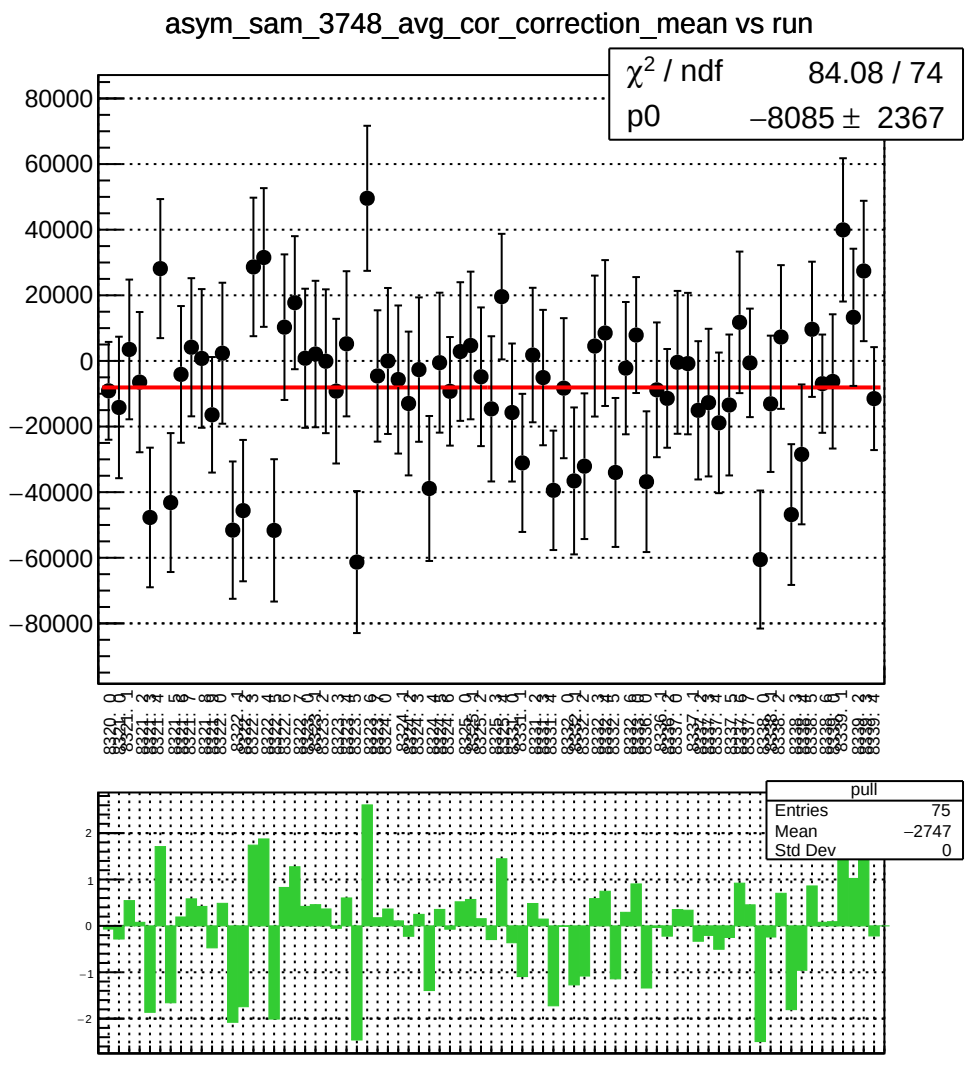

pull1D
Entries 75
Mean −0.0001947
Std Dev 1.059

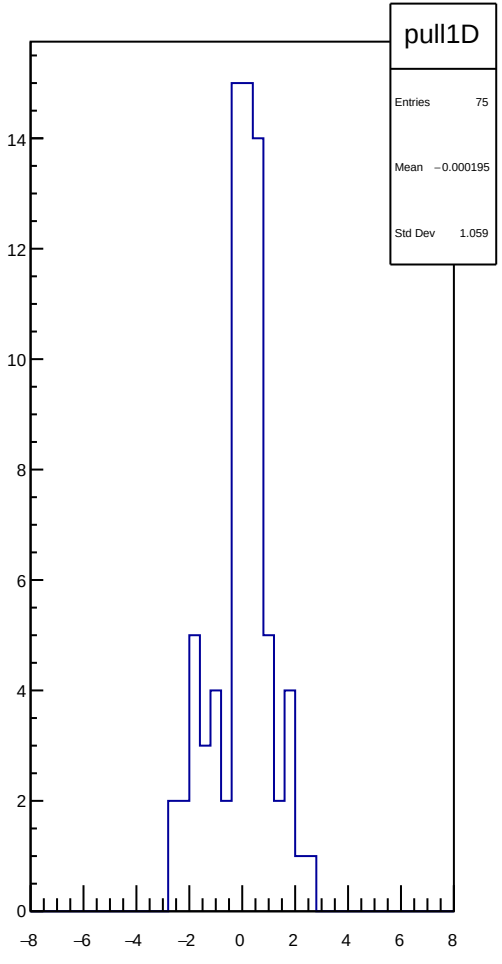

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1010 / 74
p0 2035 ± 1.674
2150
2100
2050
2000
1950

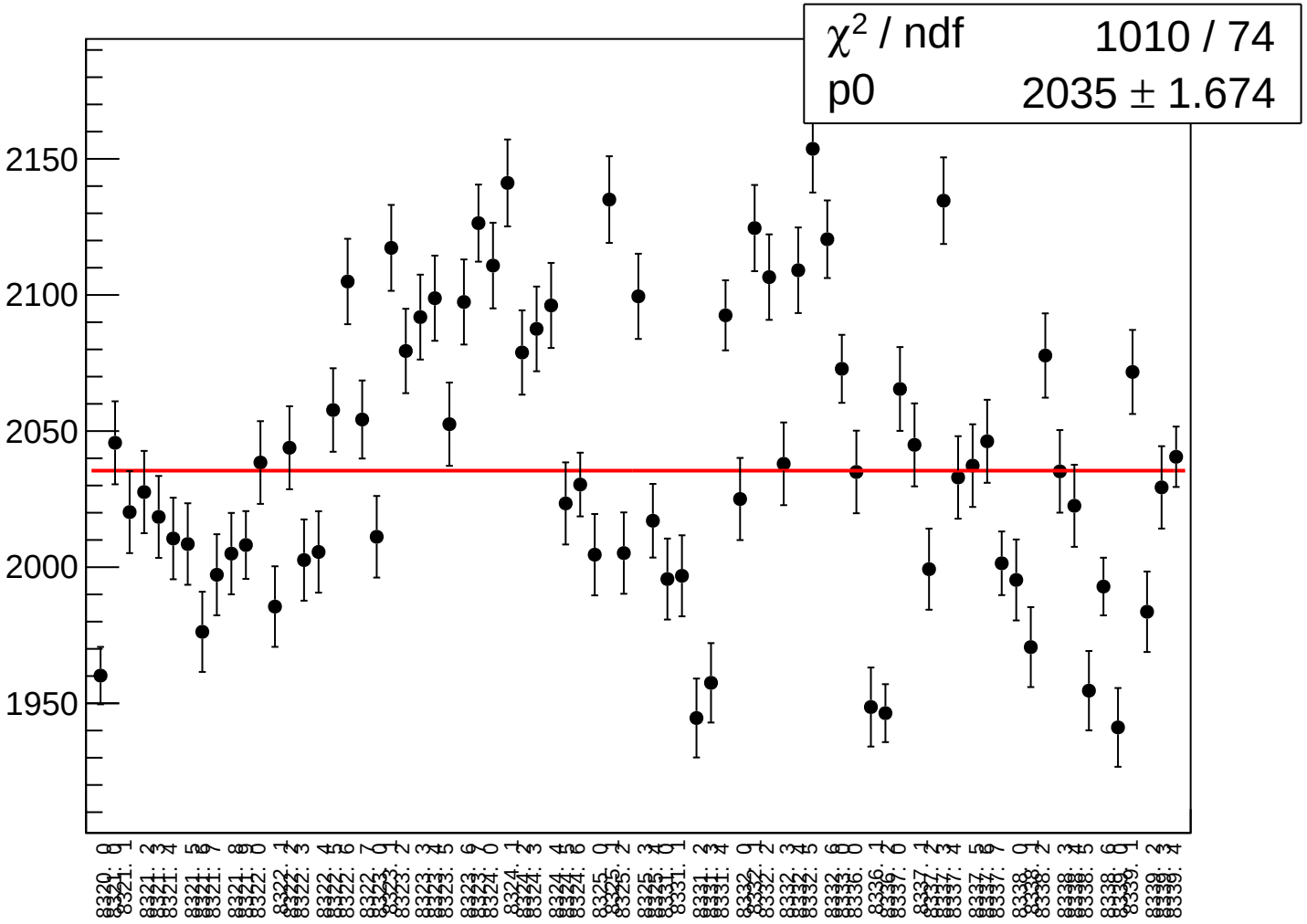

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 77.99 / 74
p0 359.7 ± 166.5
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −42.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

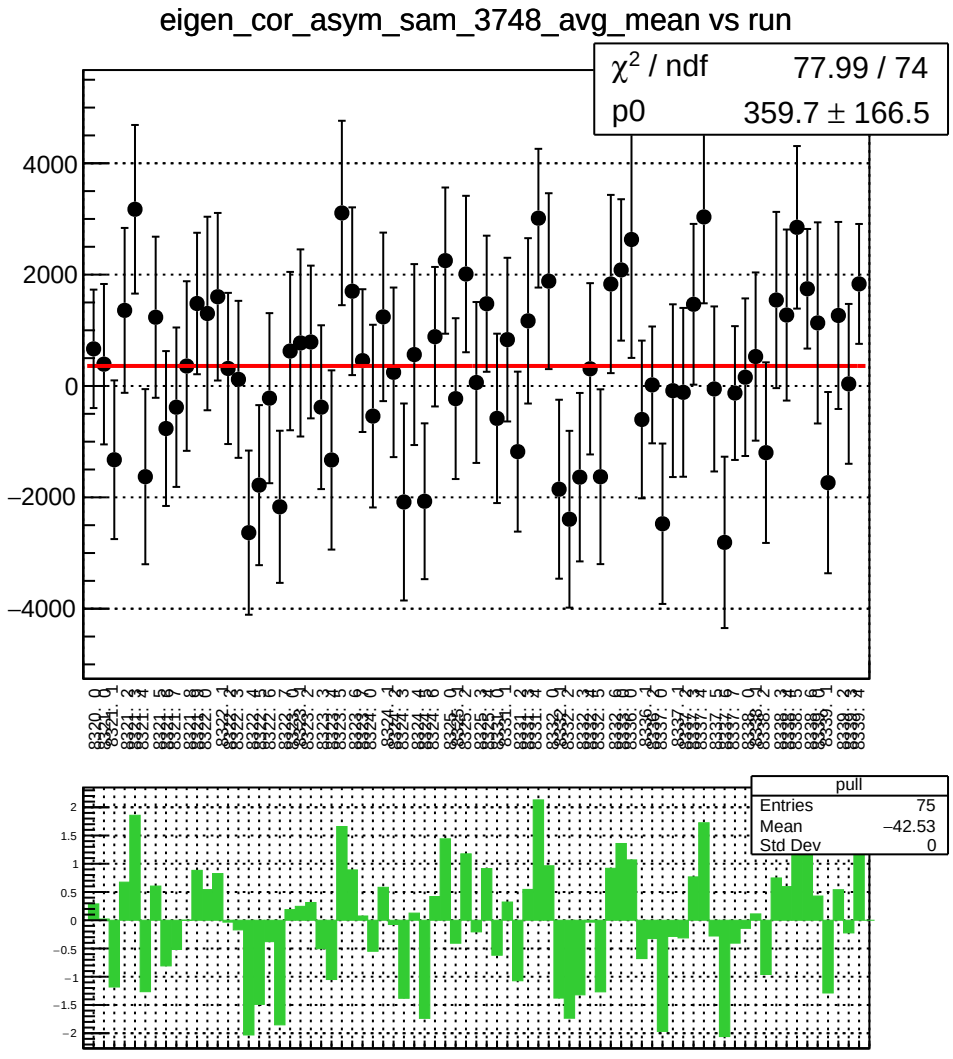

pull1D
Entries 75
Mean −0.02215
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

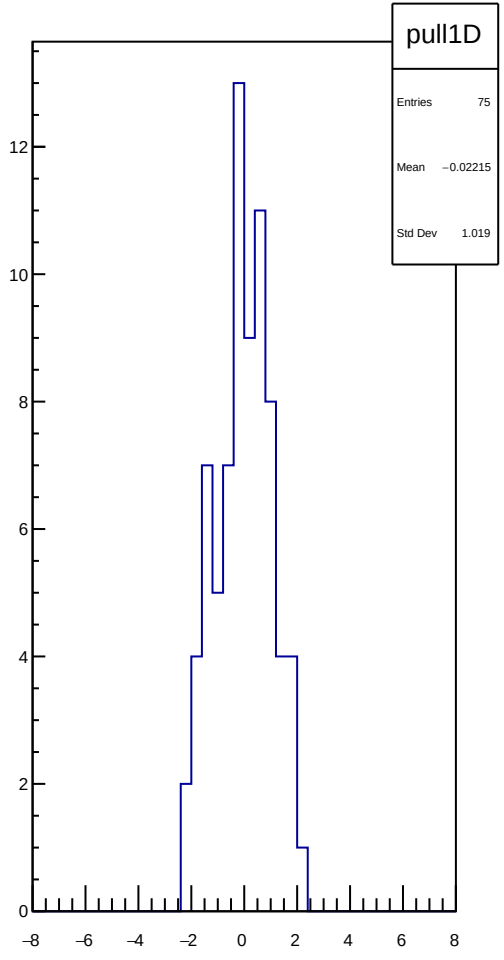

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7165 / 74
p0 142.9 ± 0.1177
210
200
190
180
170
160
150
140
130
120

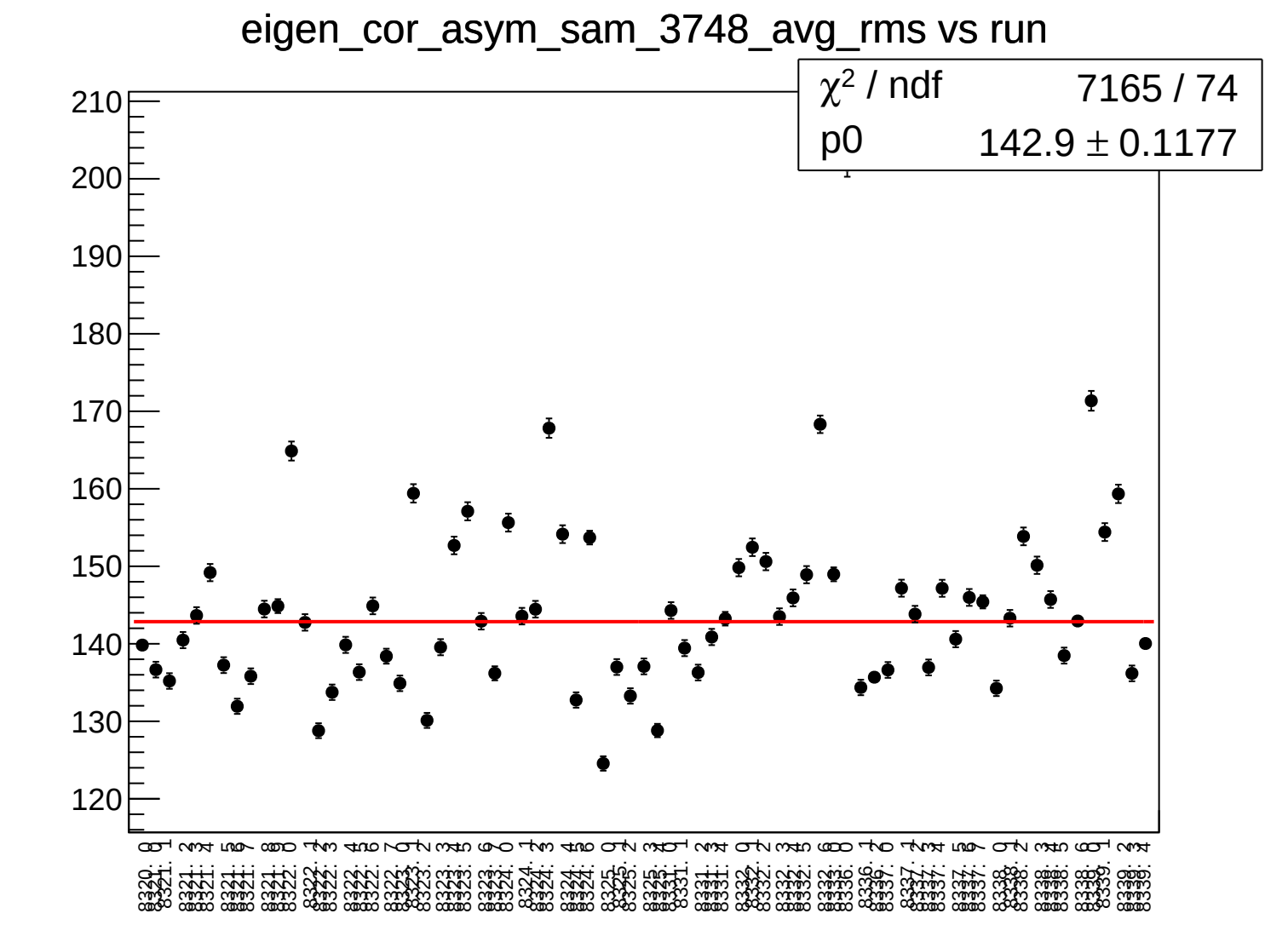

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 84.08 / 74
p0 −8085 ± 2367
pull
Entries 75
Mean −2747
Std Dev 0

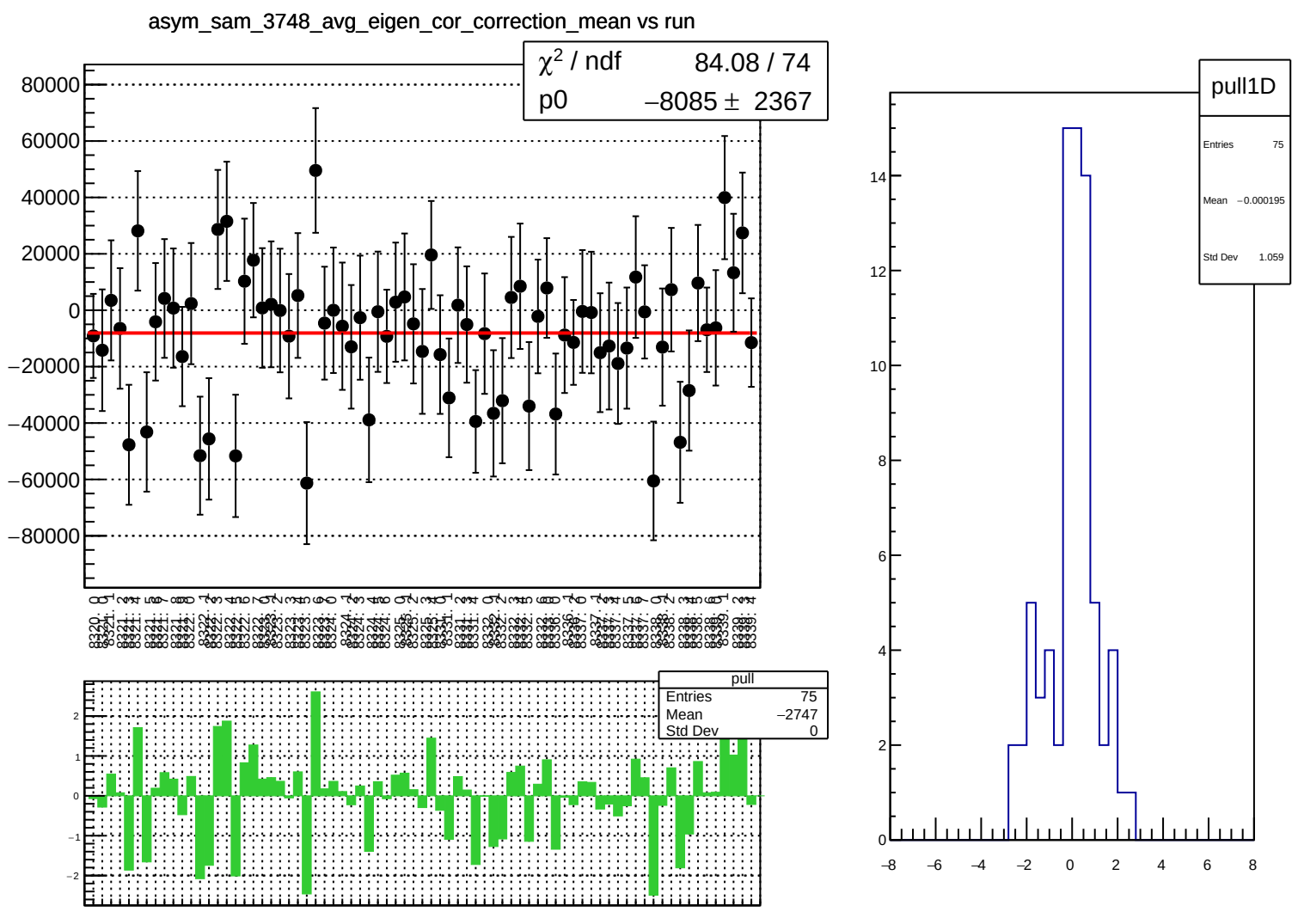

pull1D
Entries 75
Mean −0.000195
Std Dev 1.059

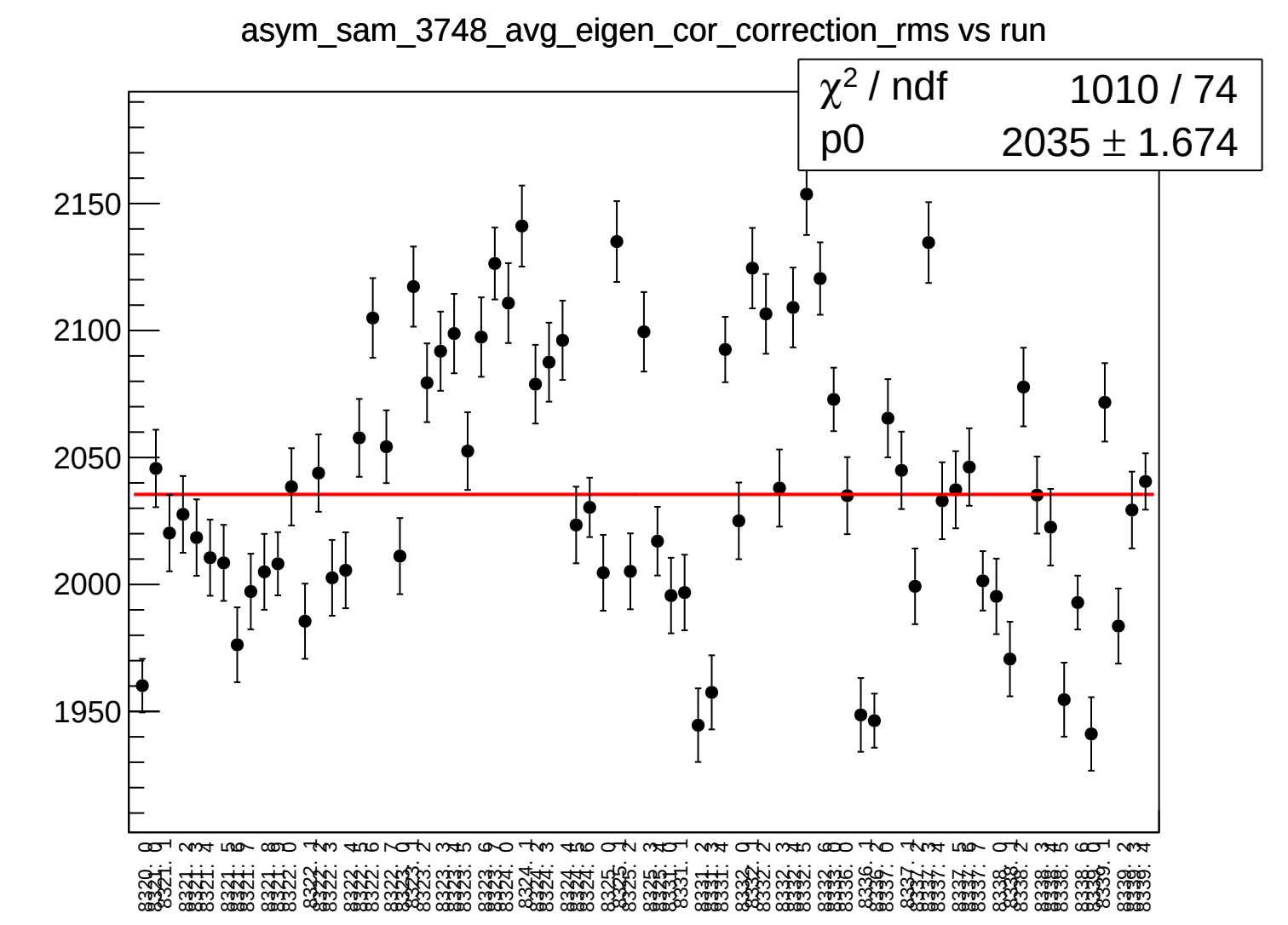

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1010 / 74
p0 2035 ± 1.674
2150
2100
2050
2000
1950

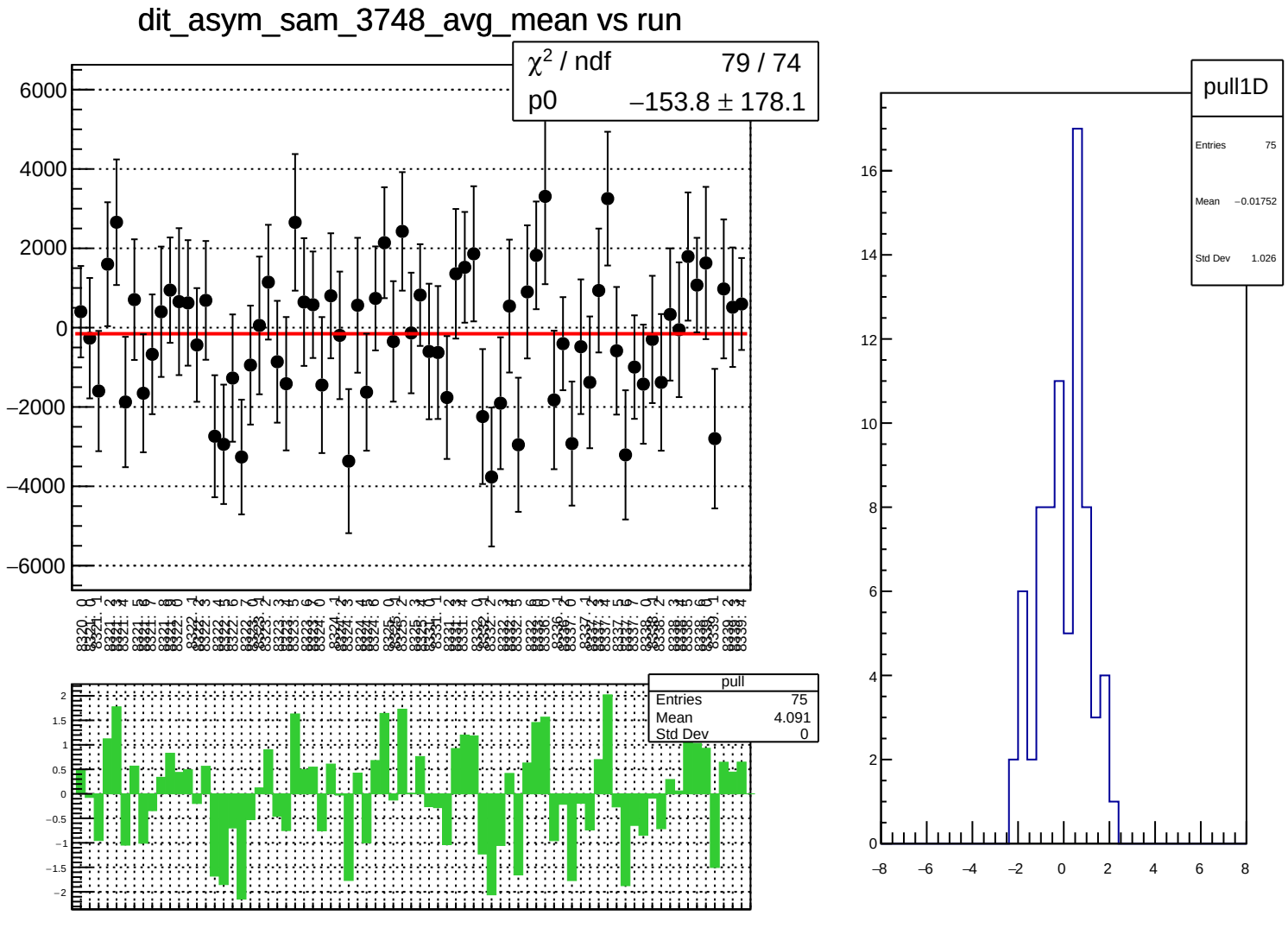

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 77.99 / 74
p0 359.7 ± 166.5
4000
2000
0
−2000
−4000
pull
Entries 75
Mean −42.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

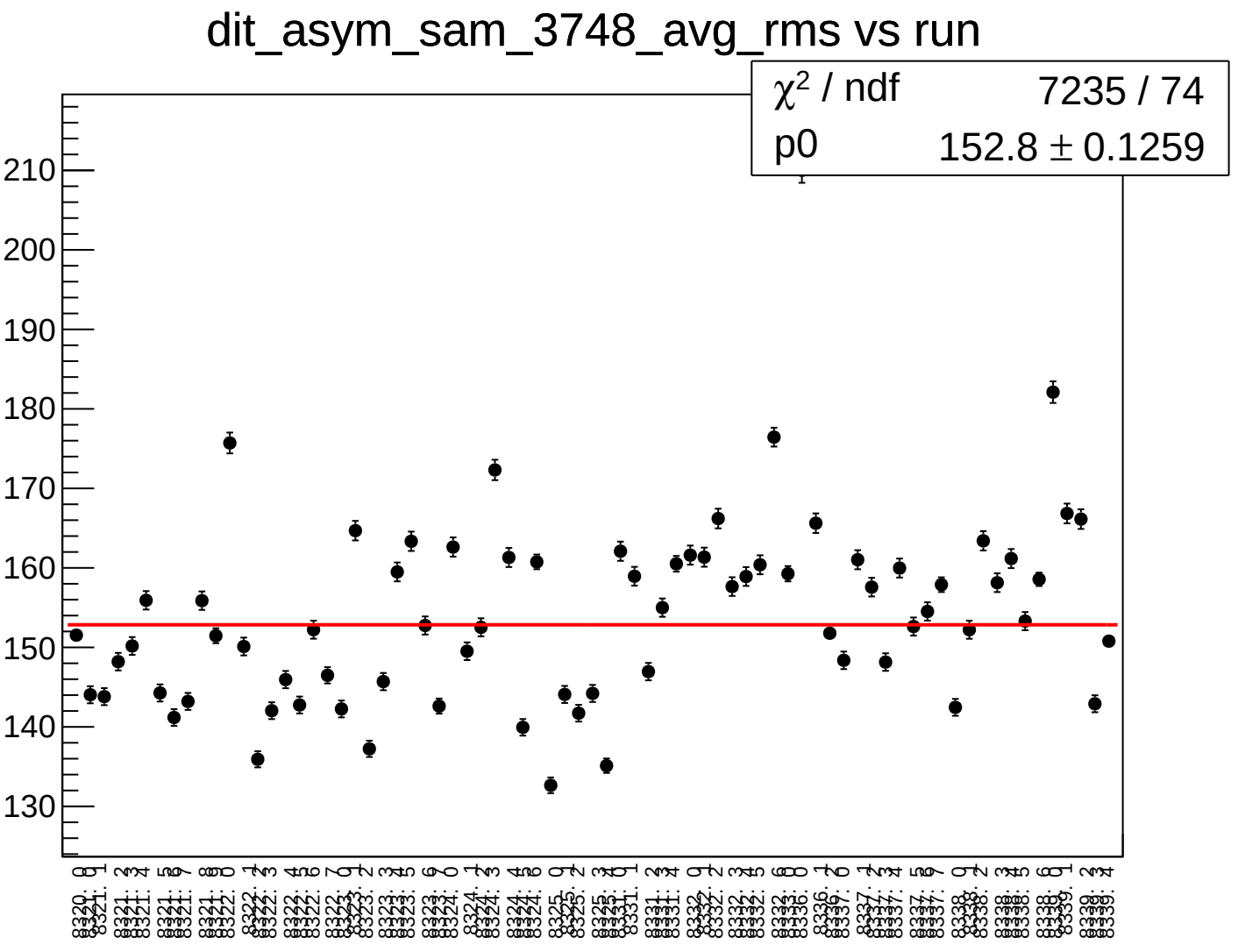

pull1D
Entries 75
Mean −0.02215
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

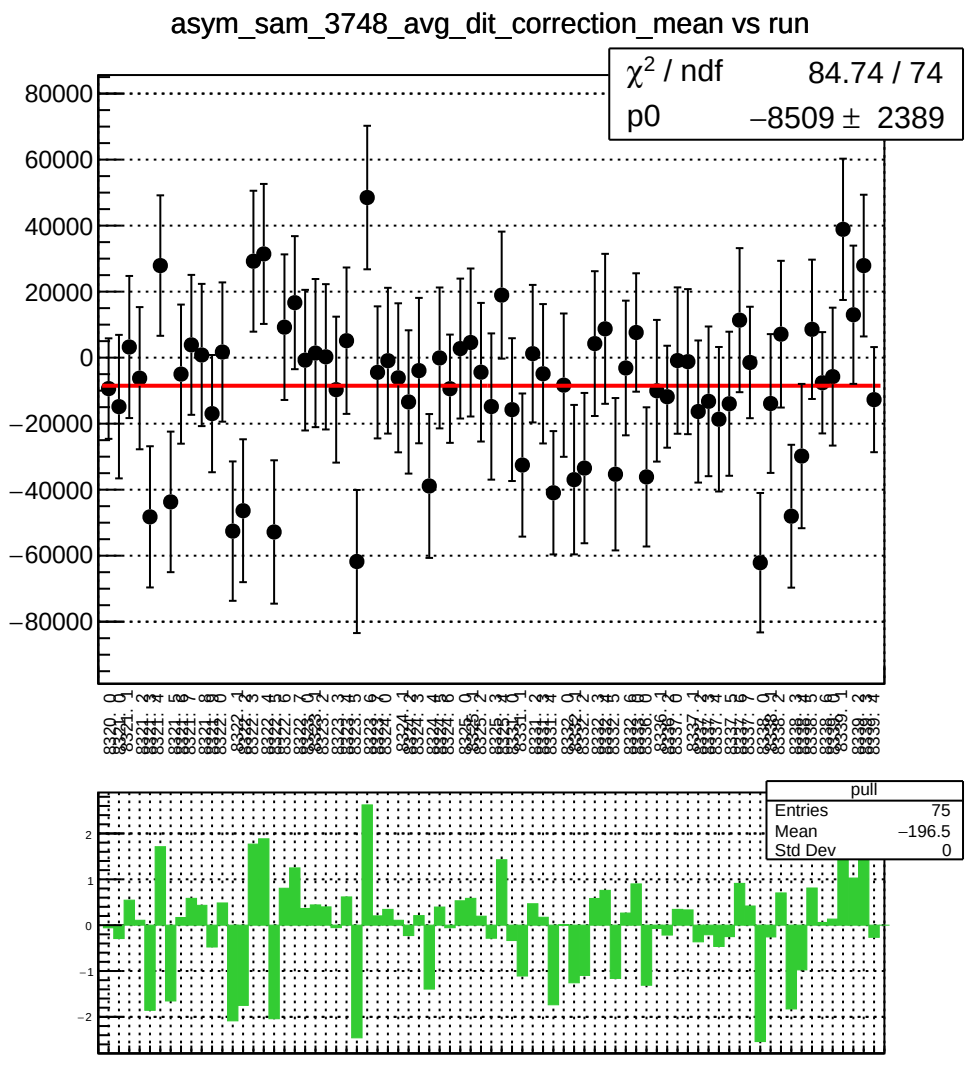

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 7165 / 74
p0 142.9 ± 0.1177
210
200
190
180
170
160
150
140
130
120

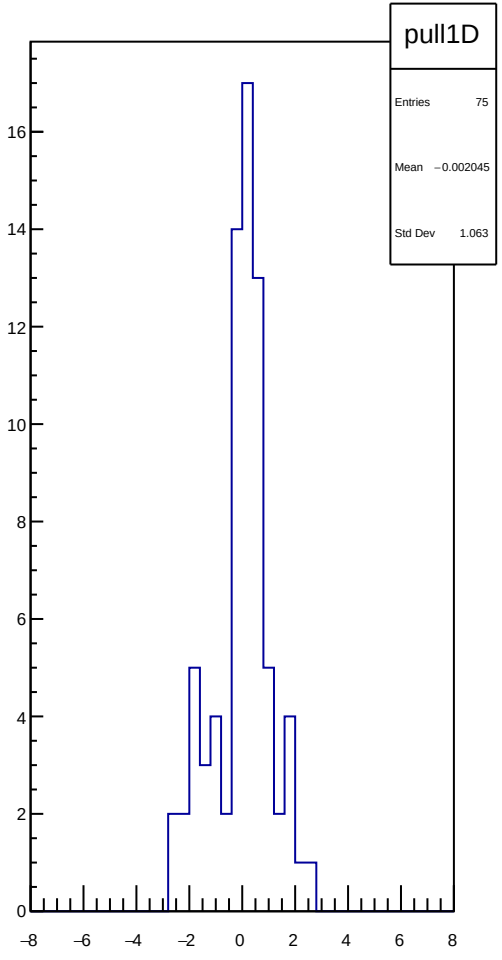

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.08 / 74
p0 −8085 ± 2367
pull
Entries 75
Mean −2747
Std Dev 0
pull1D
Entries 75
Mean −0.000195
Std Dev 1.059

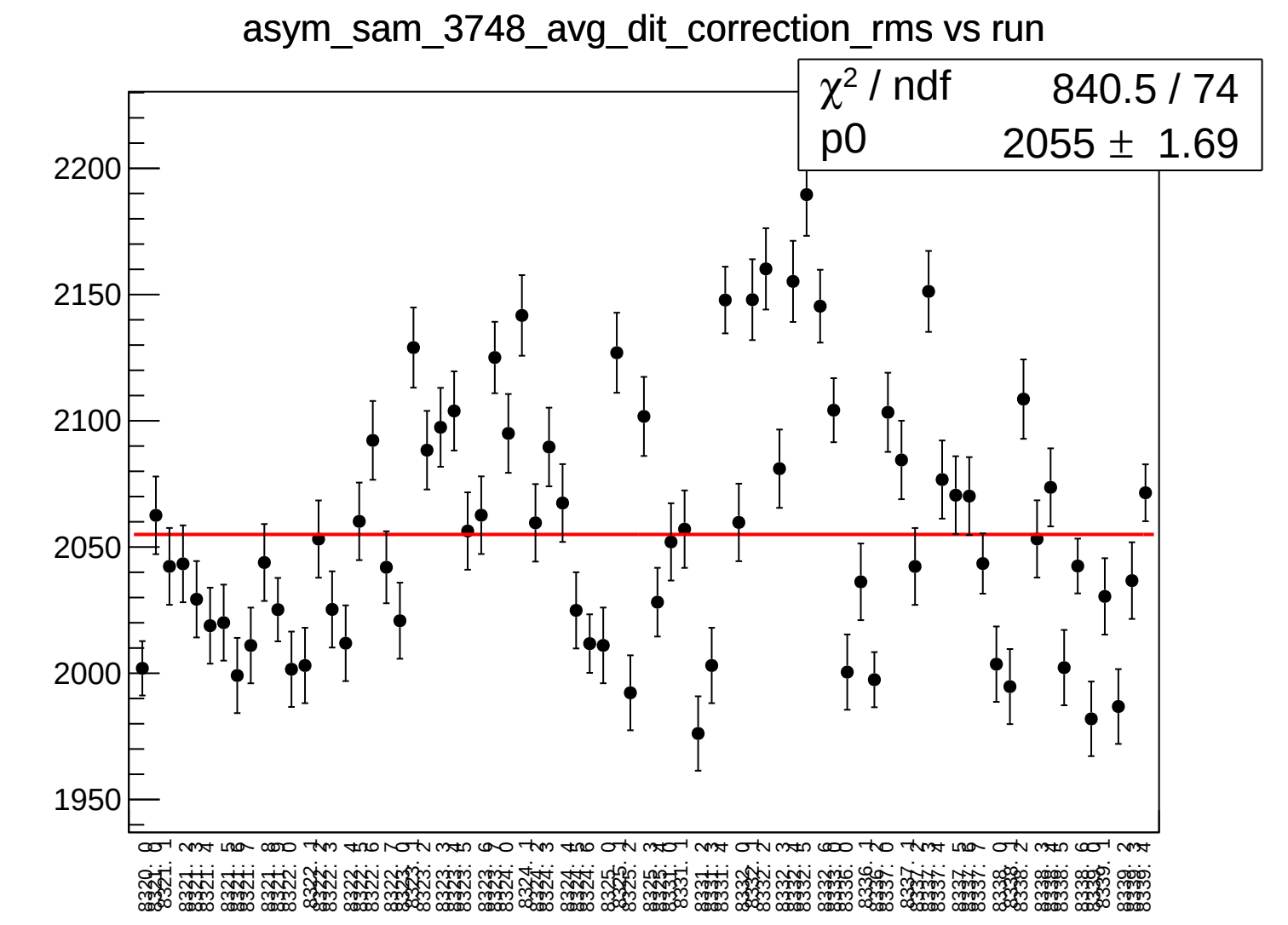

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1010 / 74
p0 2035 ± 1.674
2150
2100
2050
2000
1950

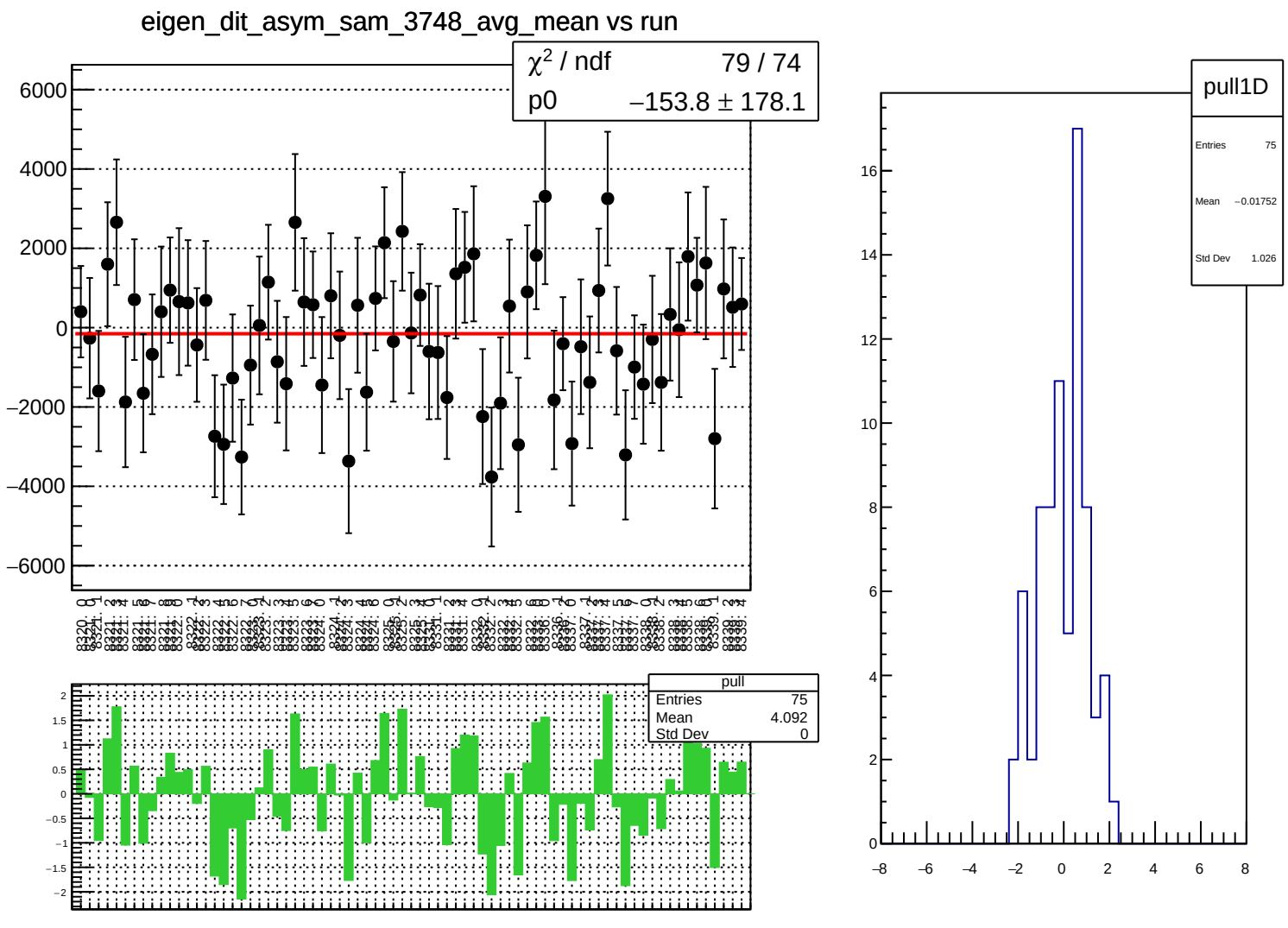

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 79 / 74
p0 −153.8 ± 178.1
pull
Entries 75
Mean 4.091
Std Dev 0
pull1D
Entries 75
Mean −0.01752
Std Dev 1.026

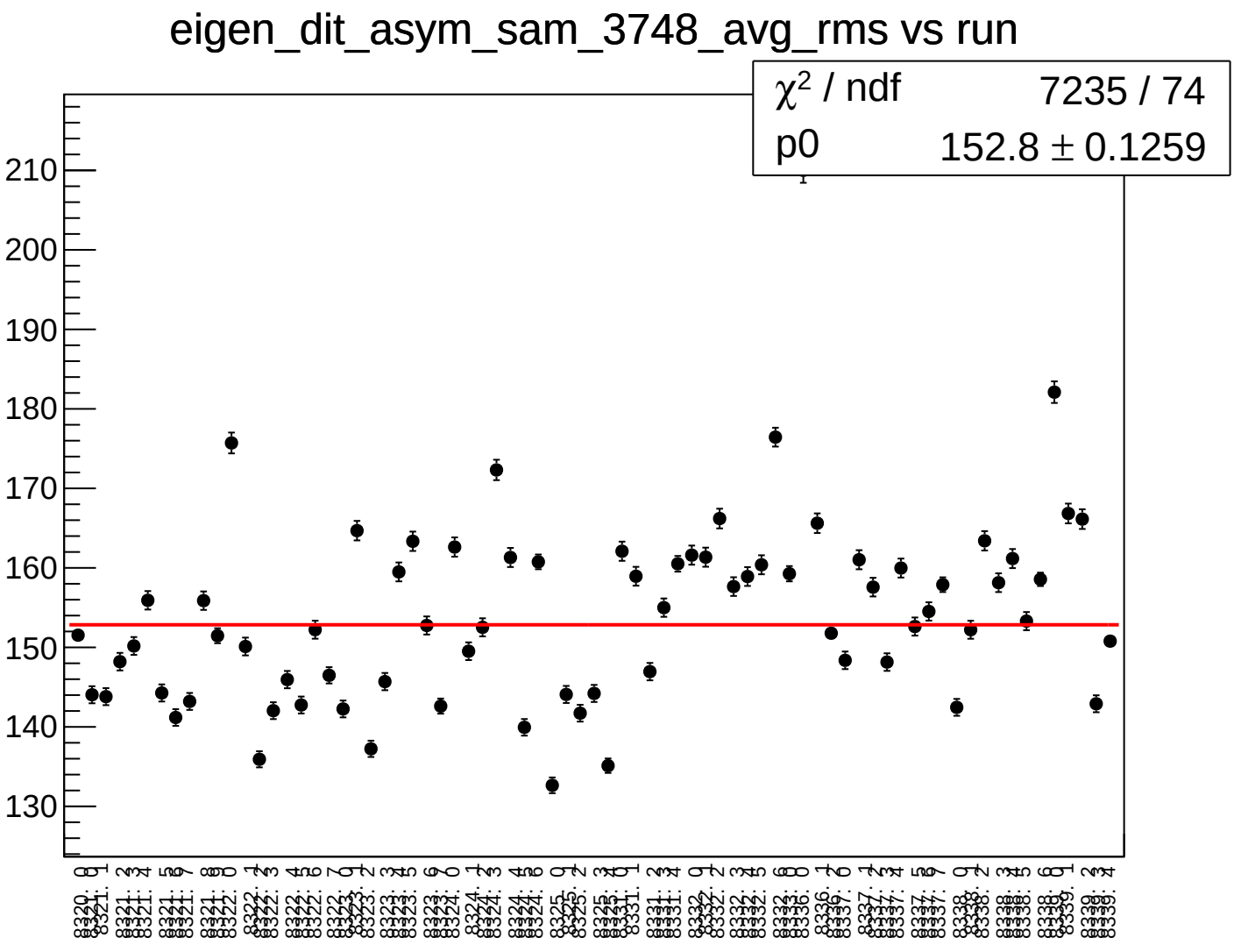

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7235 / 74
p0 152.8 ± 0.1259
210
200
190
180
170
160
150
140
130

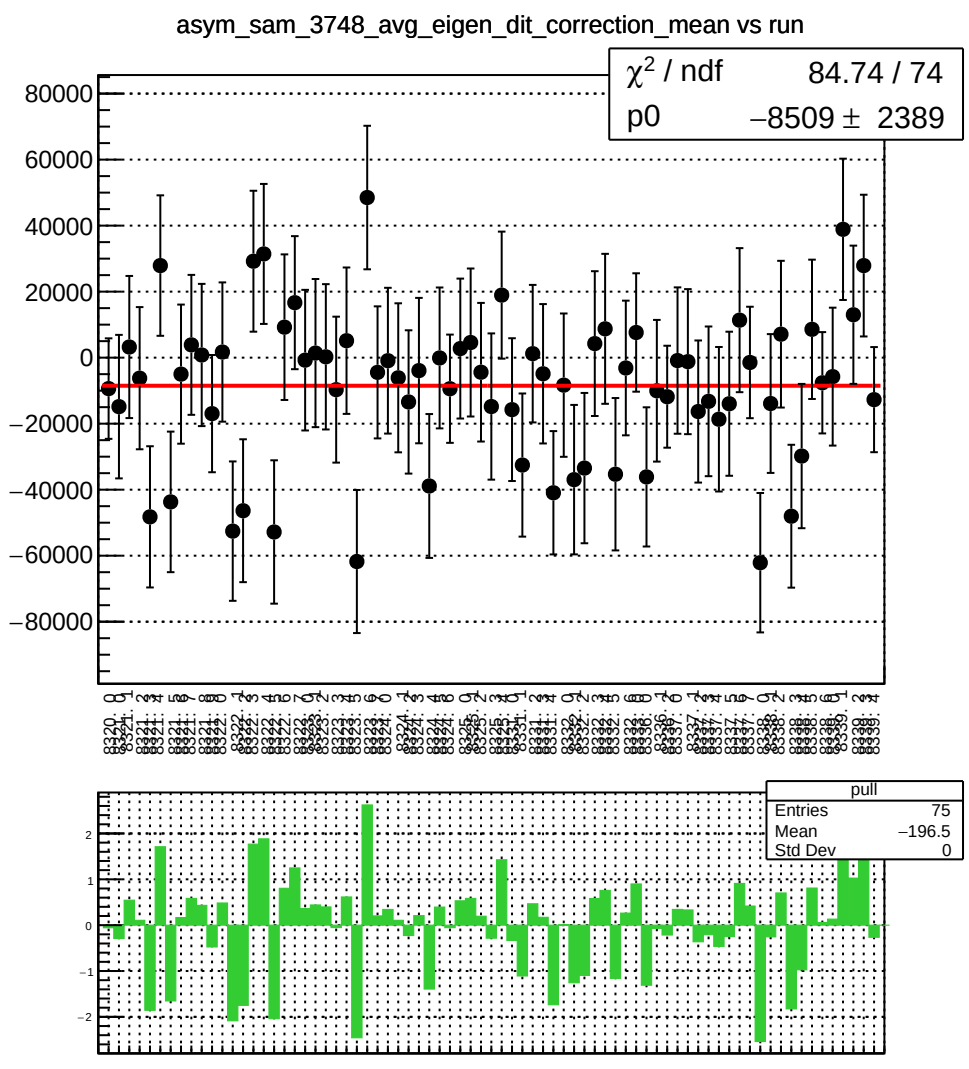

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 84.74 / 74
p0 −8509 ± 2389
pull
Entries 75
Mean −196.5
Std Dev 0

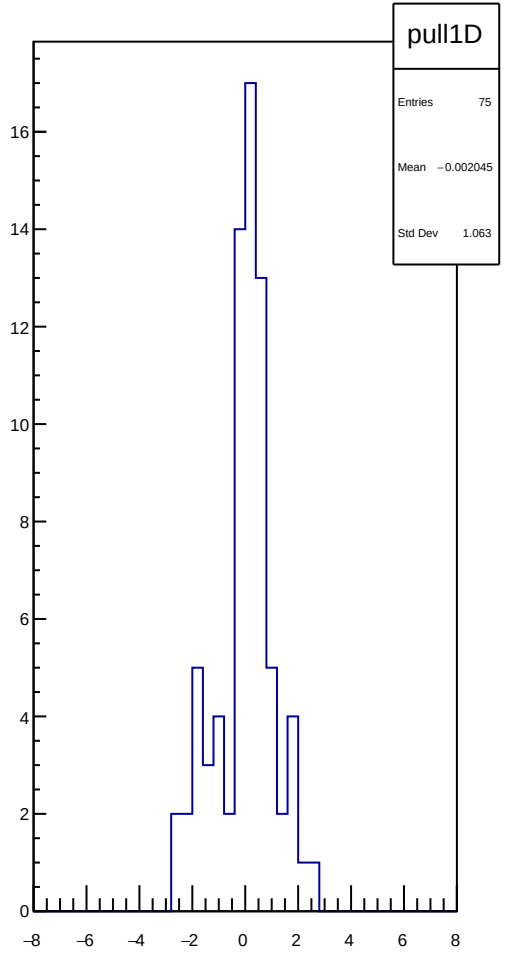

pull1D
Entries 75
Mean −0.002045
Std Dev 1.063

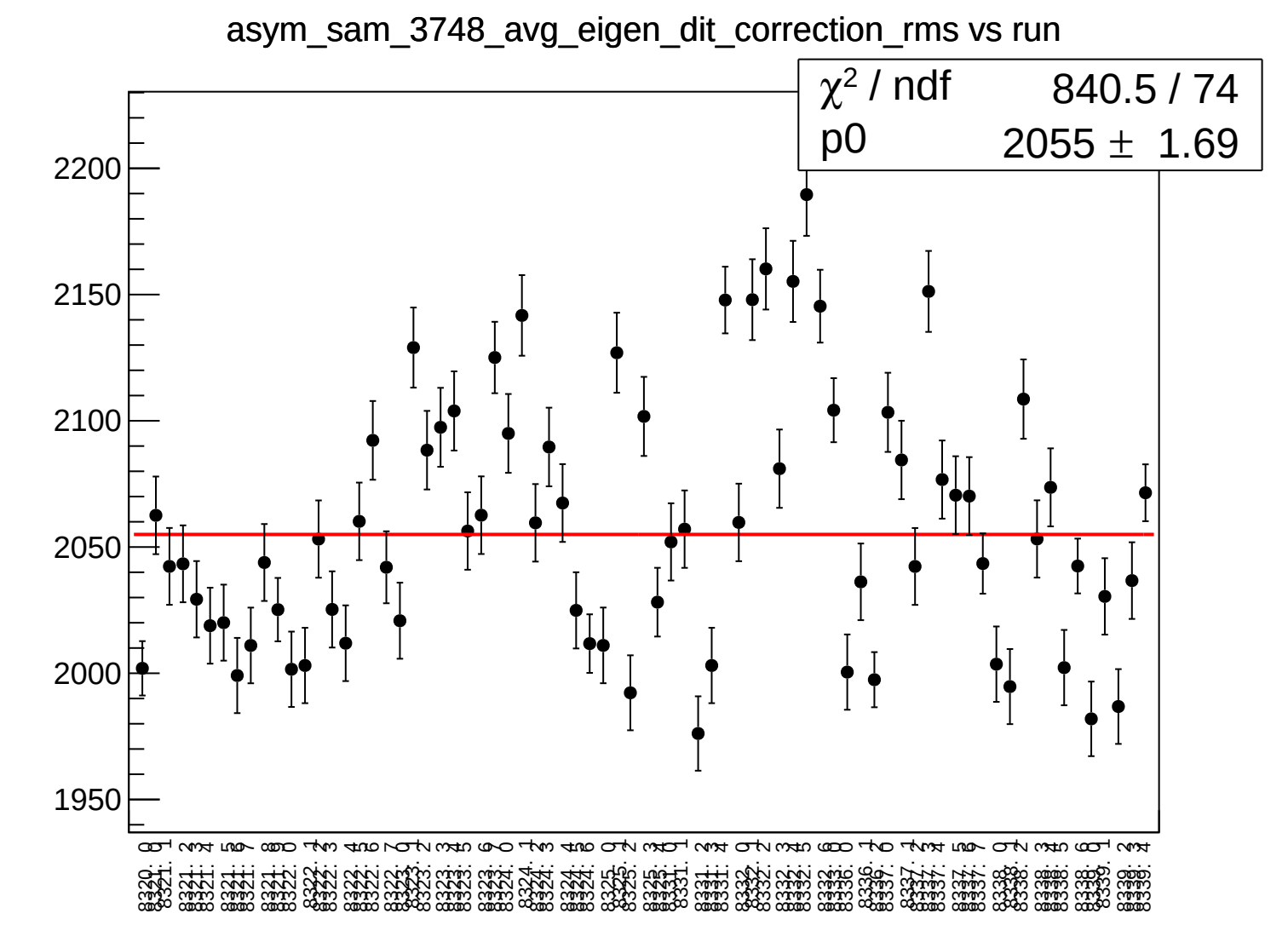

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 840.5 / 74
p0 2055 ± 1.69
2200
2150
2100
2050
2000
1950

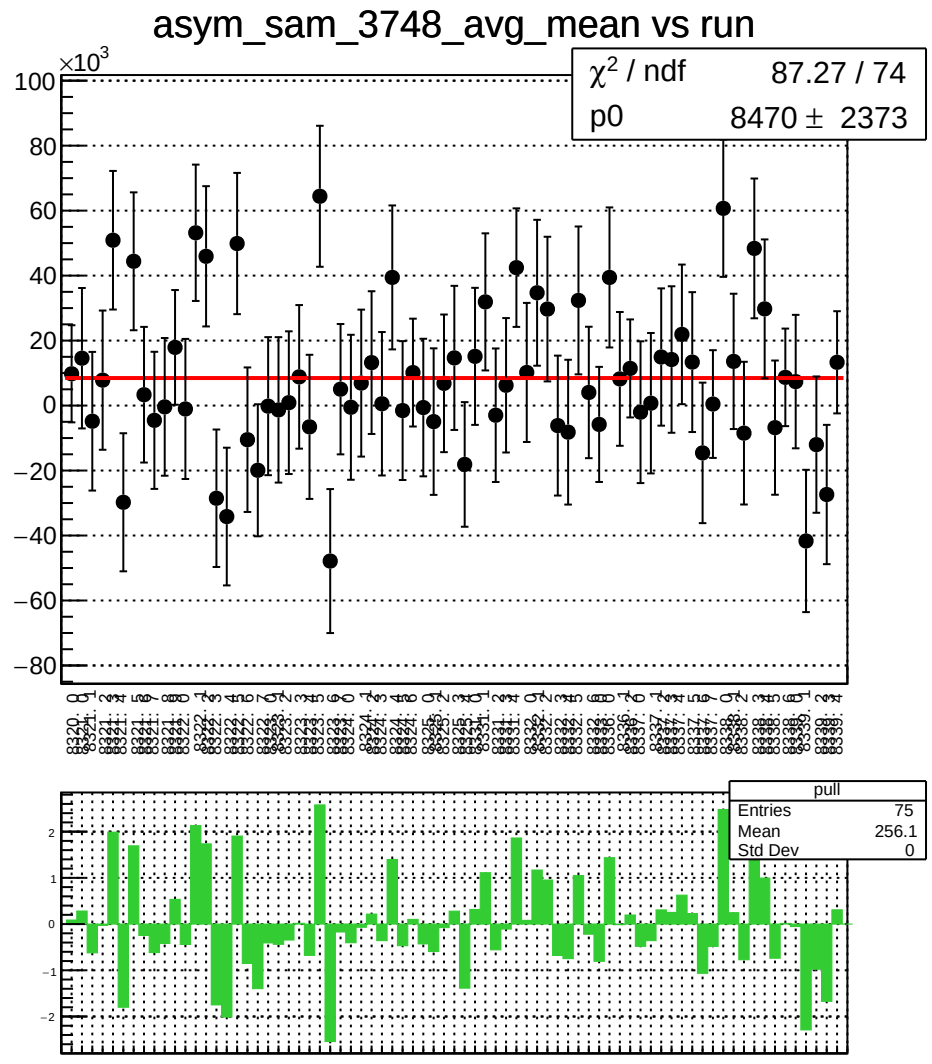

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 79 / 74
p0 −153.8 ± 178.1
pull
Entries 75
Mean 4.092
Std Dev 0
pull1D
Entries 75
Mean −0.01752
Std Dev 1.026

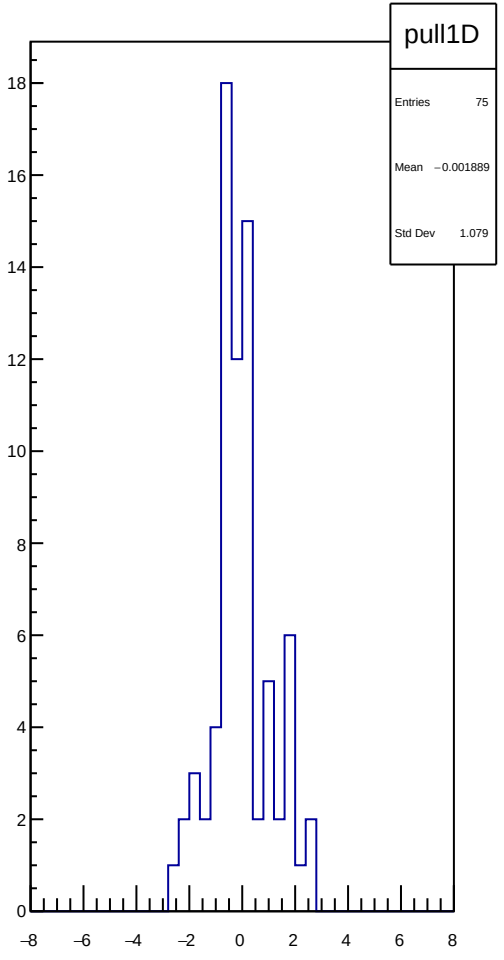

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7235 / 74
p0 152.8 ± 0.1259
210
200
190
180
170
160
150
140
130

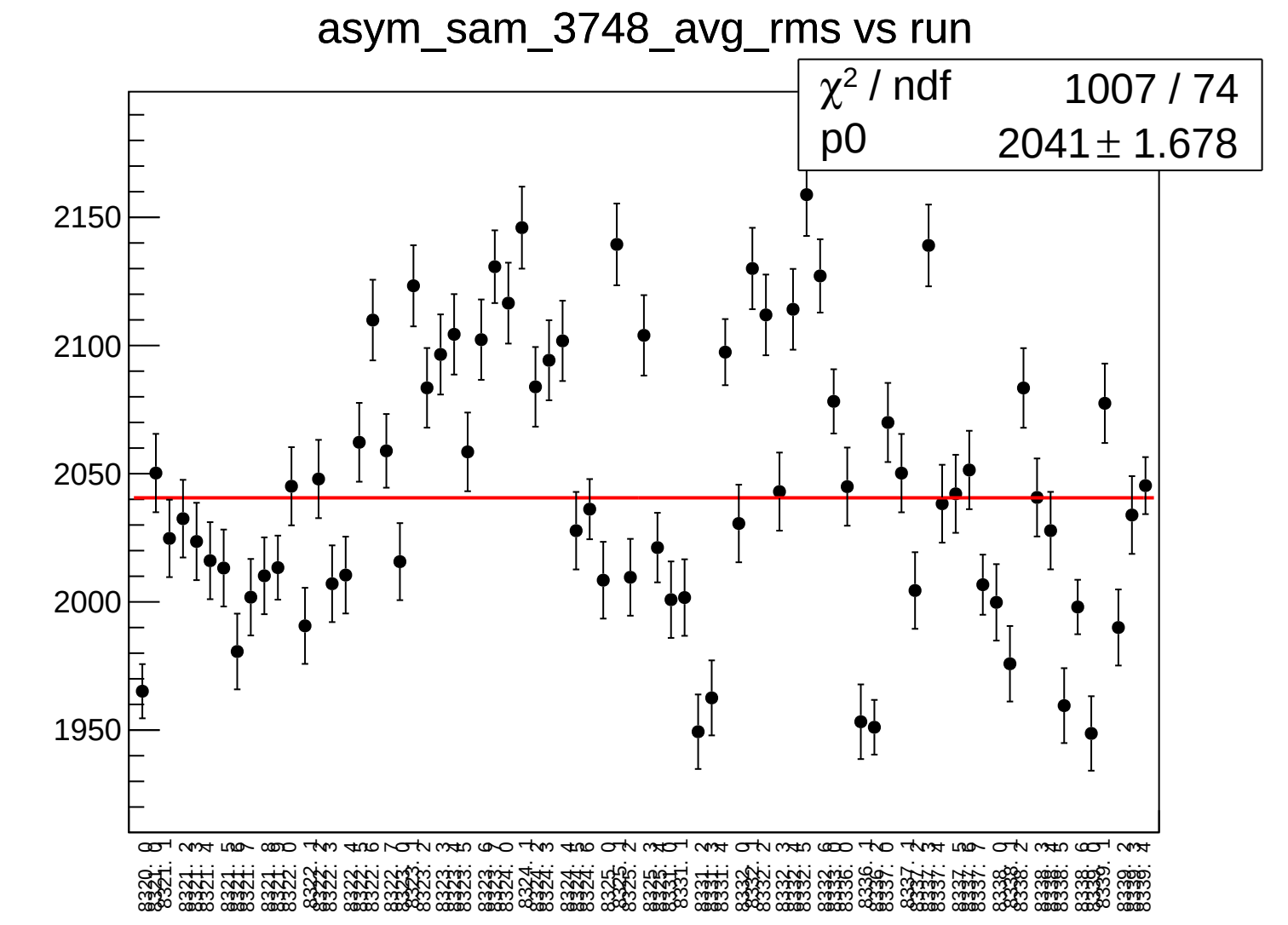

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.74 / 74
p0 −8509 ± 2389
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −196.5
Std Dev 0
2
1
0
−1
−2

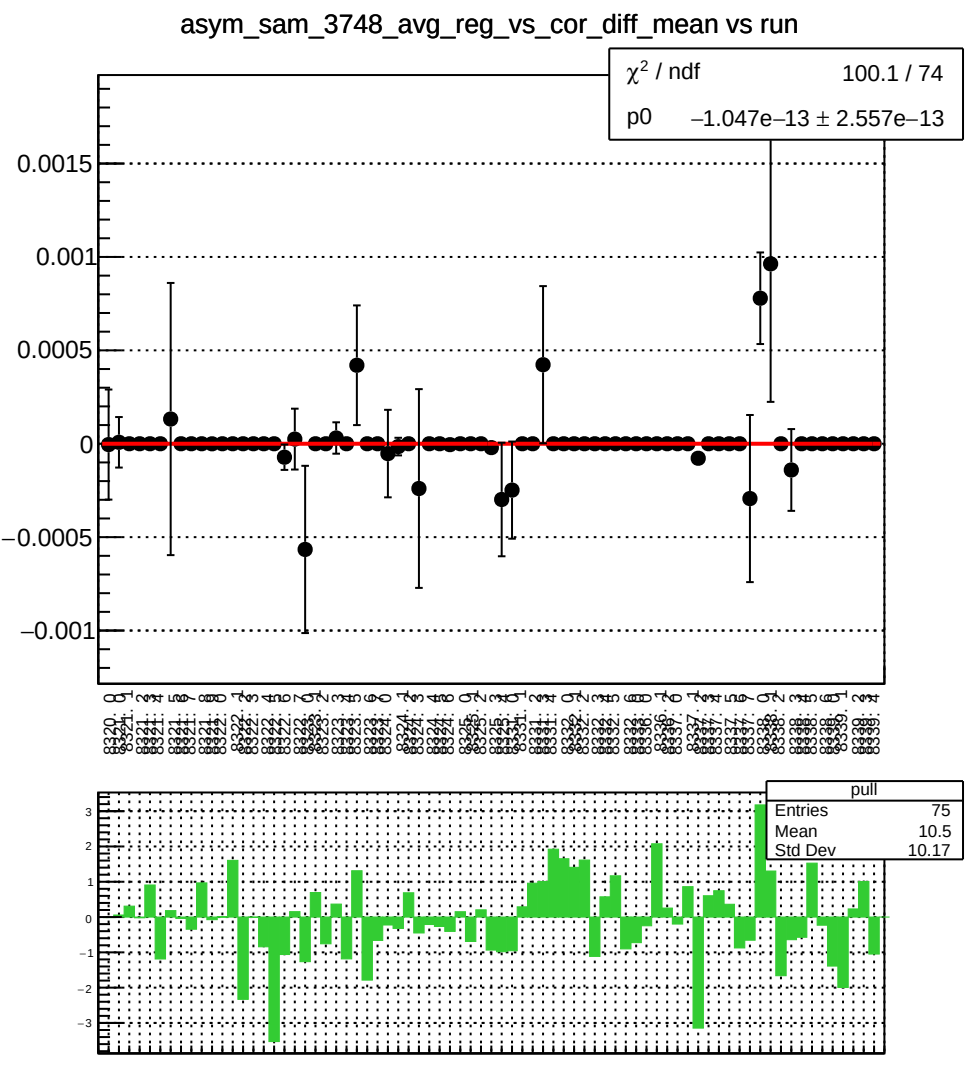

pull1D
Entries 75
Mean −0.002045
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

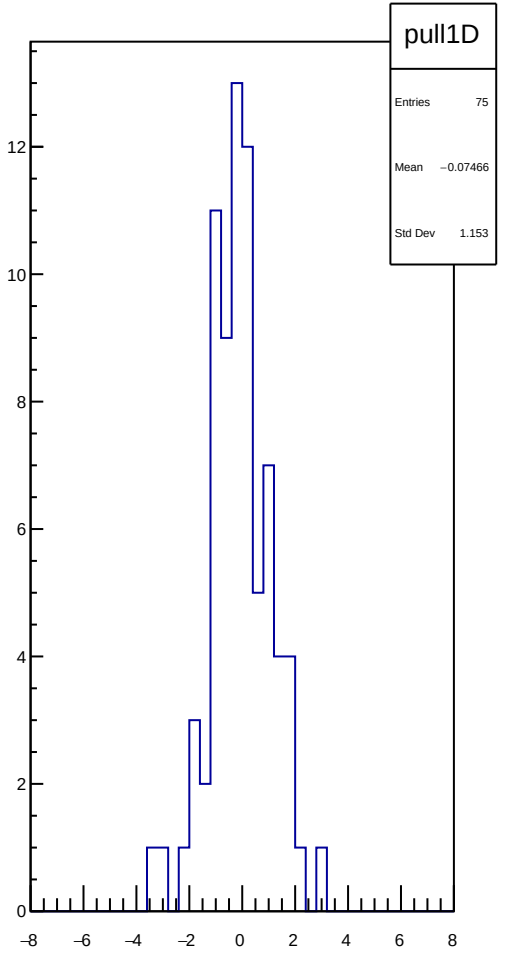

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 840.5 / 74
p0 2055 ± 1.69
2200
2150
2100
2050
2000
1950

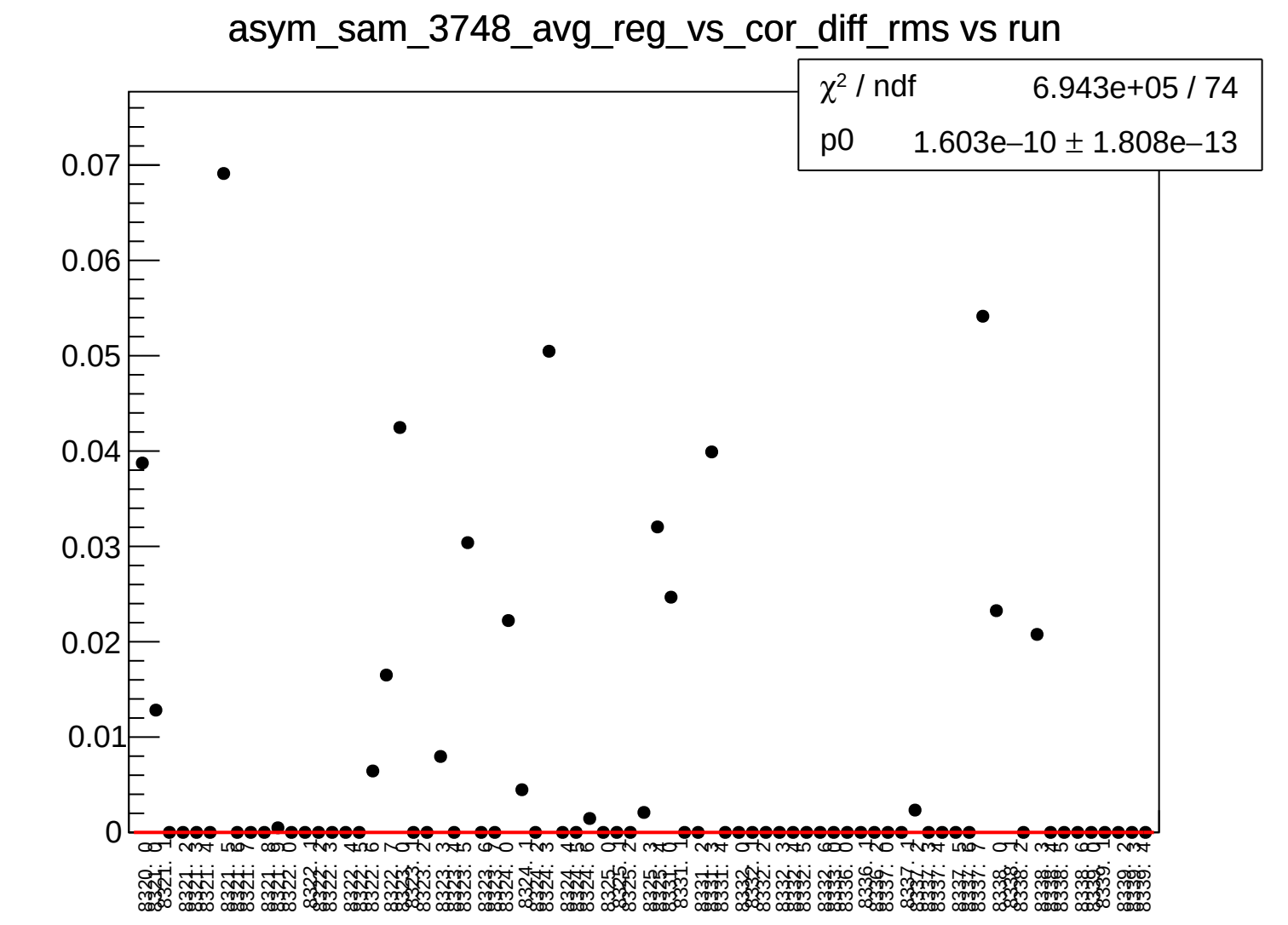

asym_sam_3748_avg_mean vs run
χ² / ndf 87.27 / 74
p0 8470 ± 2373
×10³
pull
Entries 75
Mean 256.1
Std Dev 0

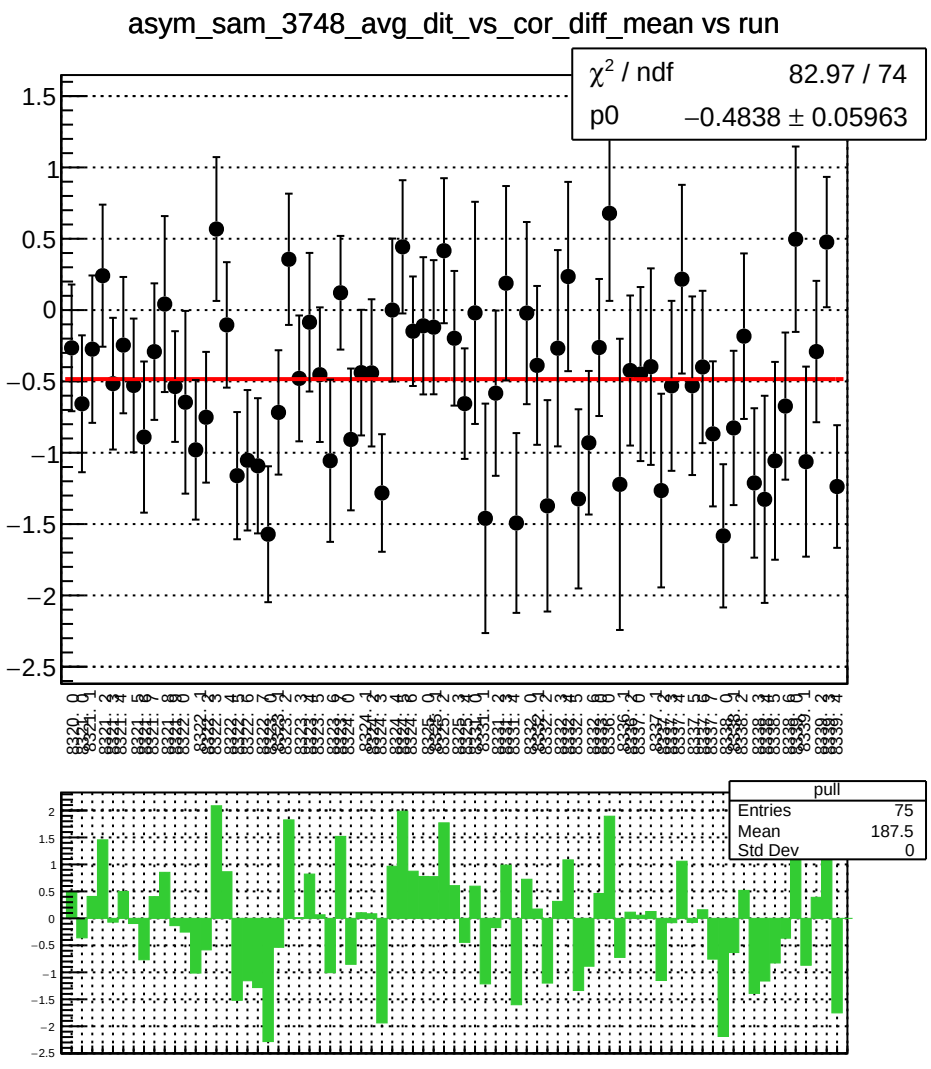

pull1D
Entries 75
Mean −0.001889
Std Dev 1.079

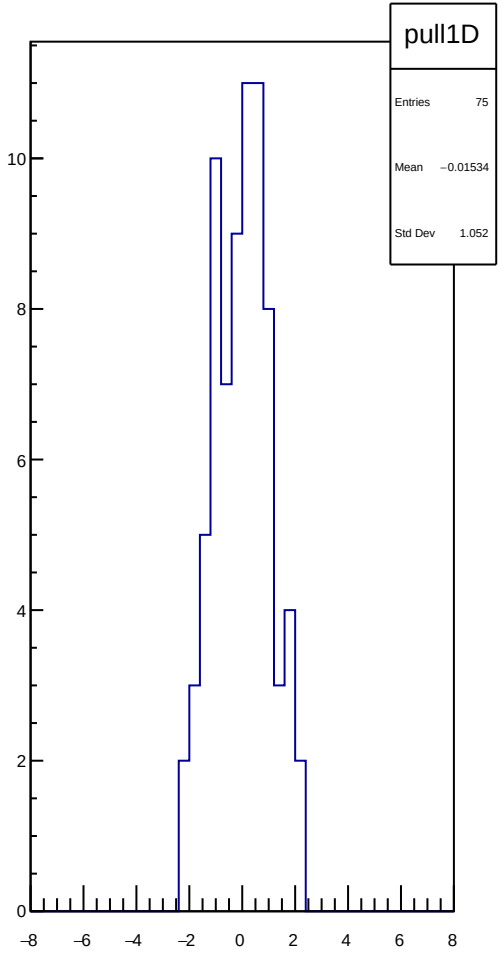

asym_sam_3748_avg_rms vs run
χ² / ndf 1007 / 74
p0 2041 ± 1.678
2150
2100
2050
2000
1950

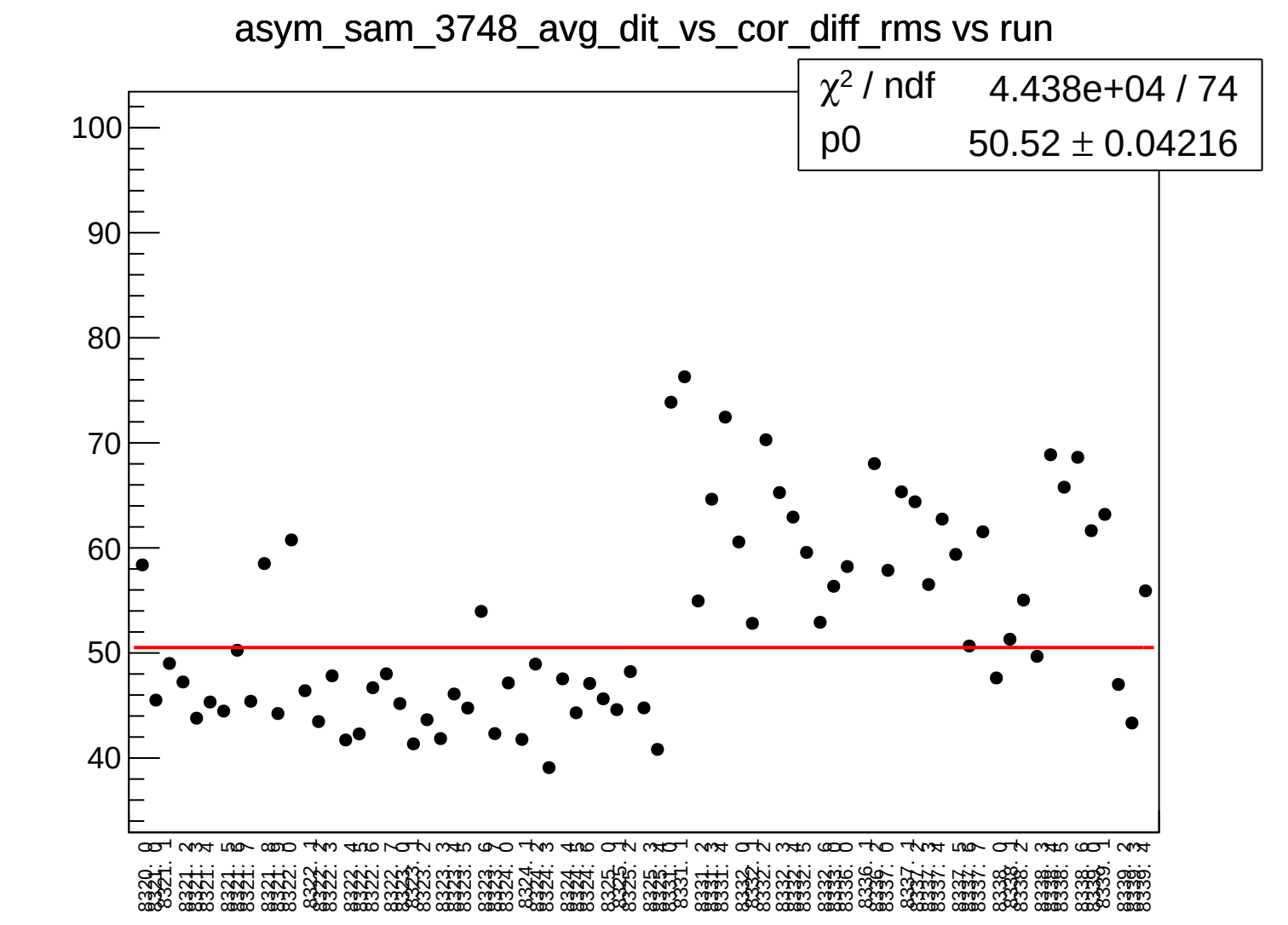

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 100.1 / 74
p0 −1.047e−13 ± 2.557e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean 10.5
Std Dev 10.17
3
2
1
0
−1
−2
−3

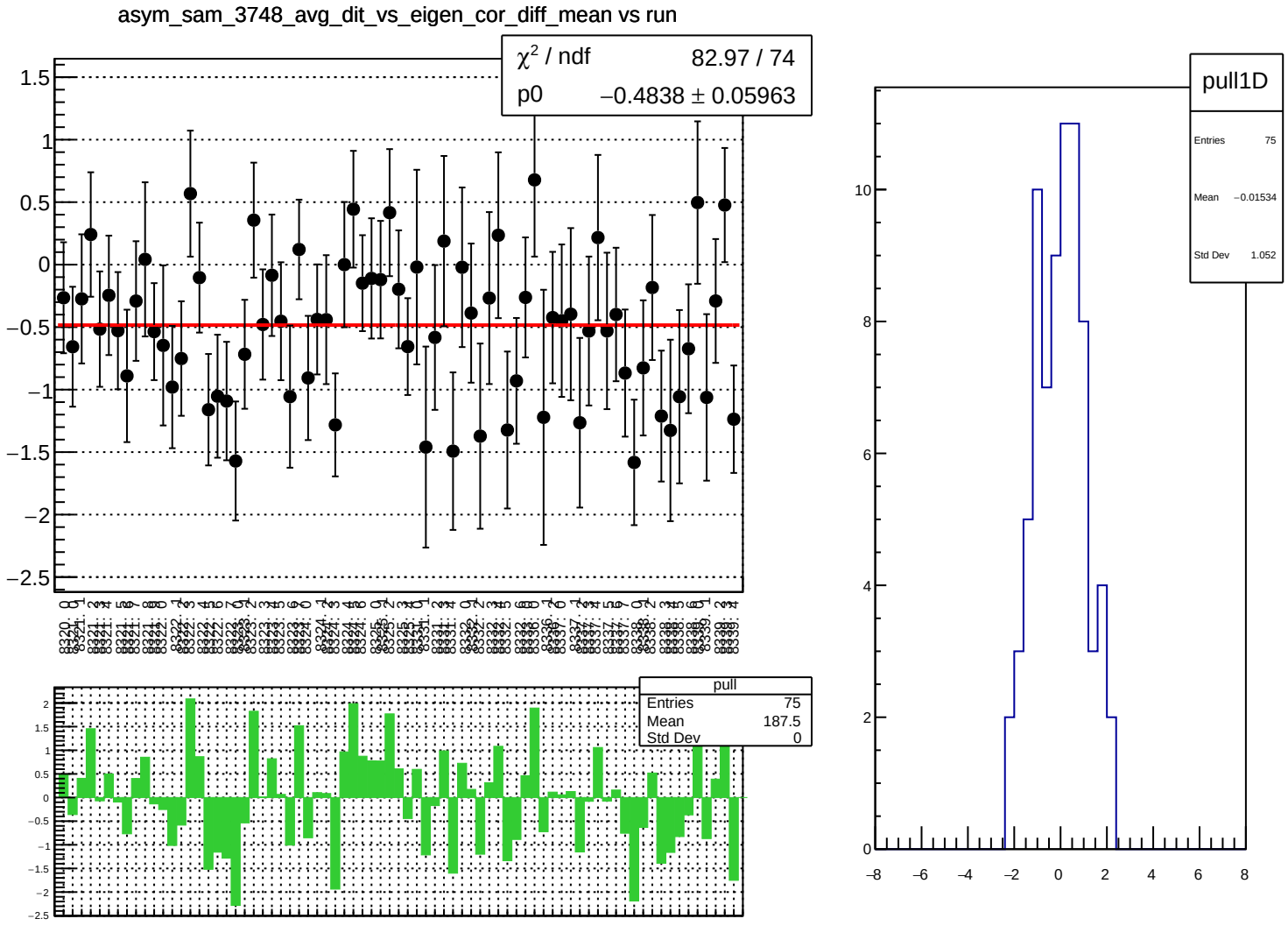

pull1D
Entries 75
Mean −0.07466
Std Dev 1.153
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

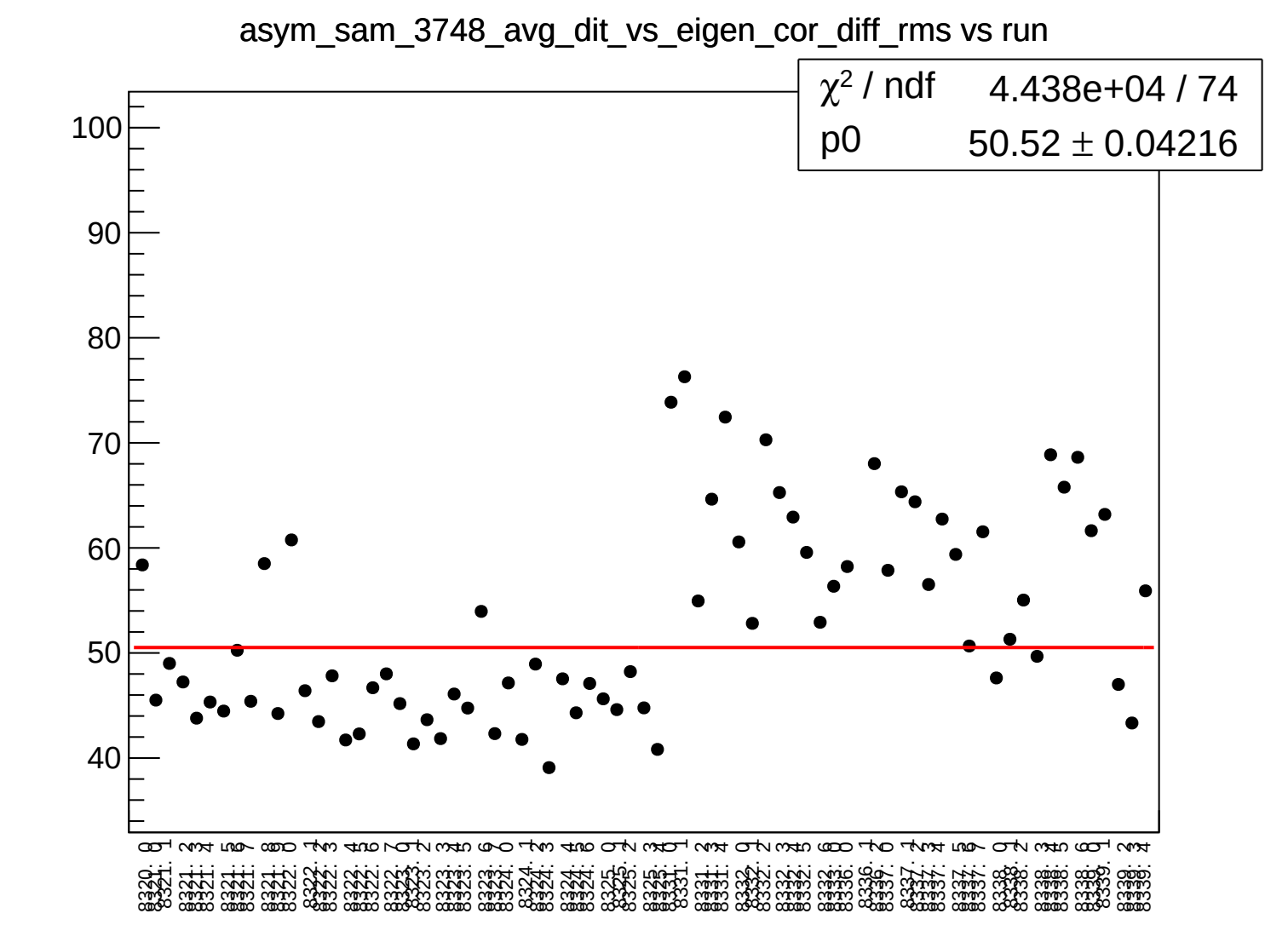

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.943e+05 / 74
p0 1.603e−10 ± 1.808e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

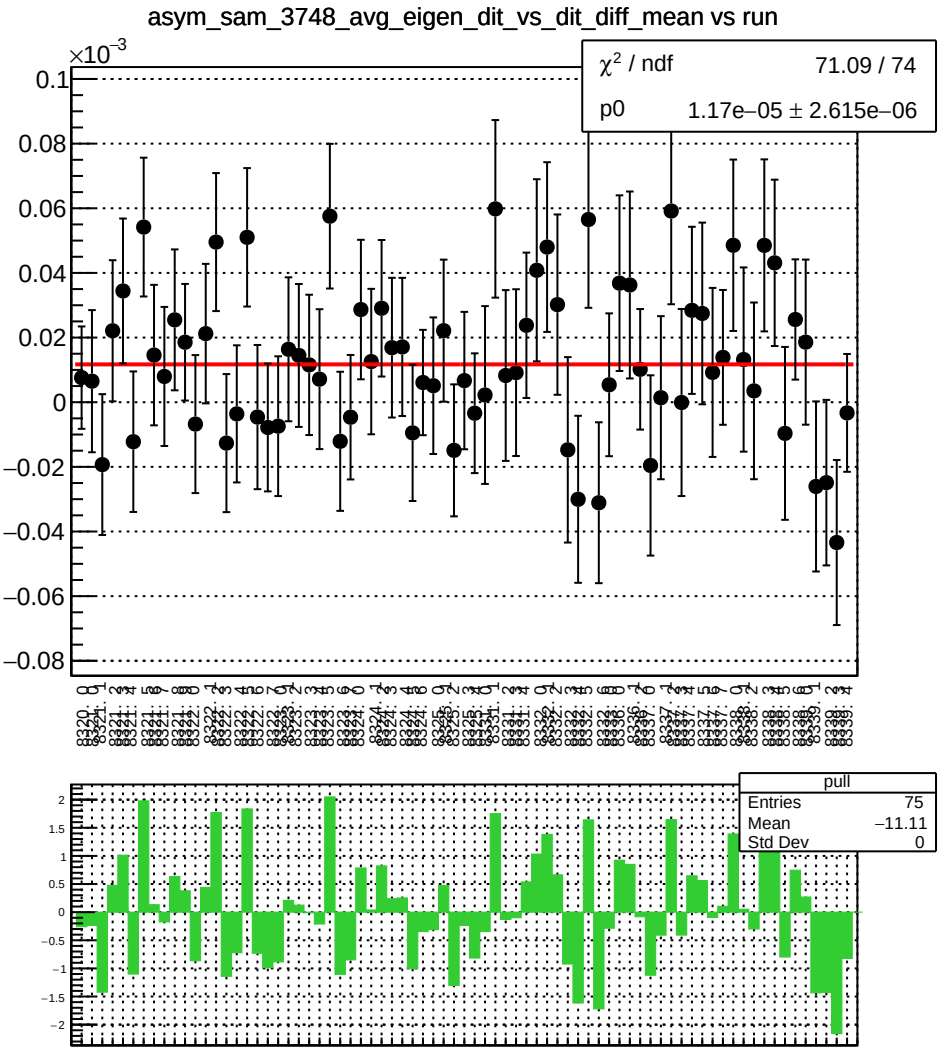

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.97 / 74
p0 −0.4838 ± 0.05963
pull
Entries 75
Mean 187.5
Std Dev 0

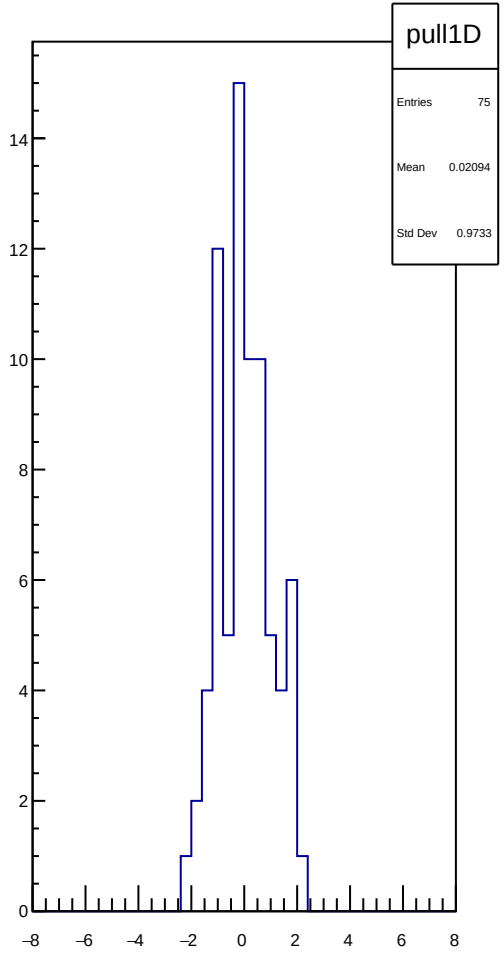

pull1D
Entries 75
Mean −0.01534
Std Dev 1.052

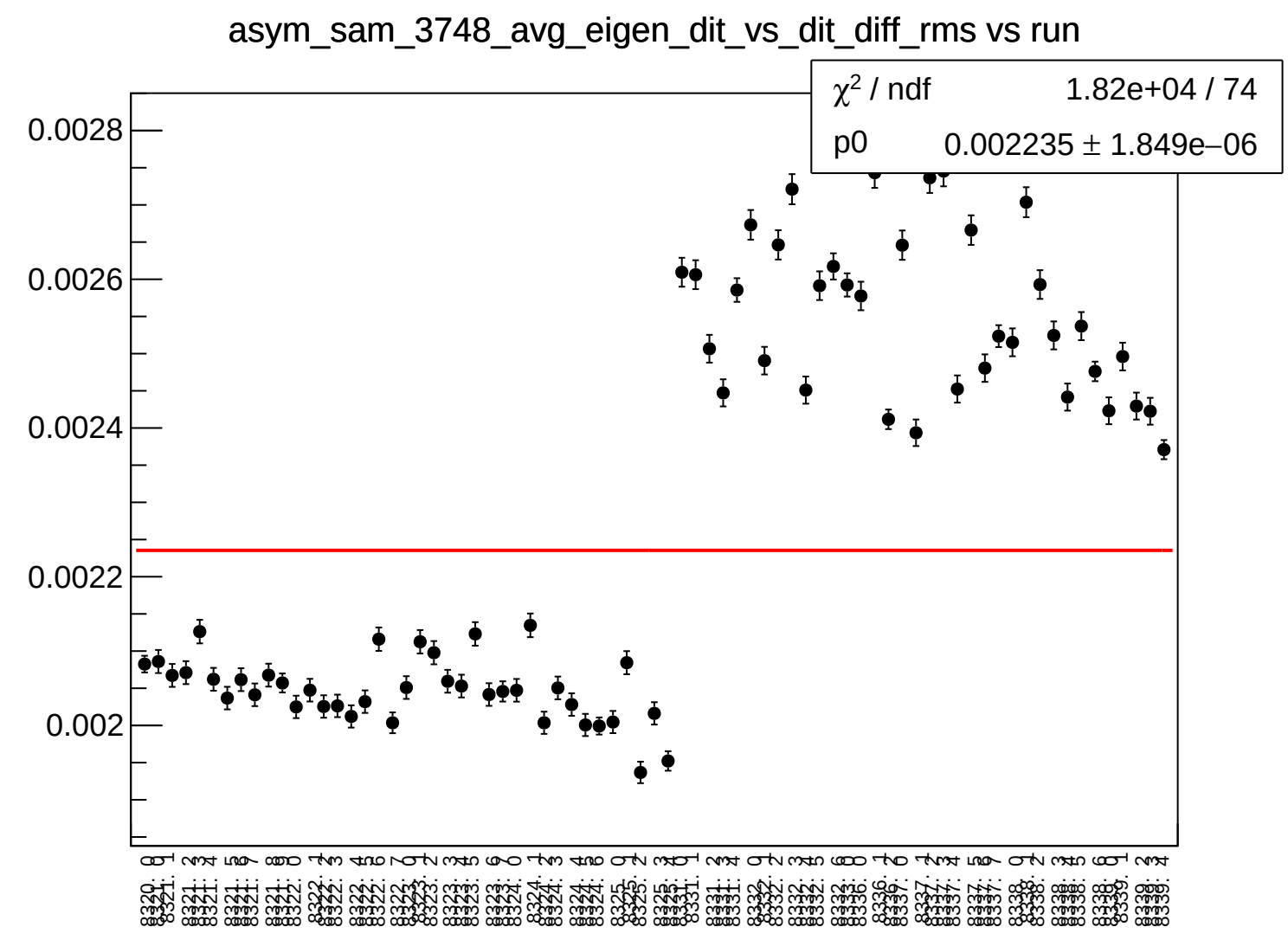

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.438e+04 / 74
p0 50.52 ± 0.04216
100
90
80
70
60
50
40

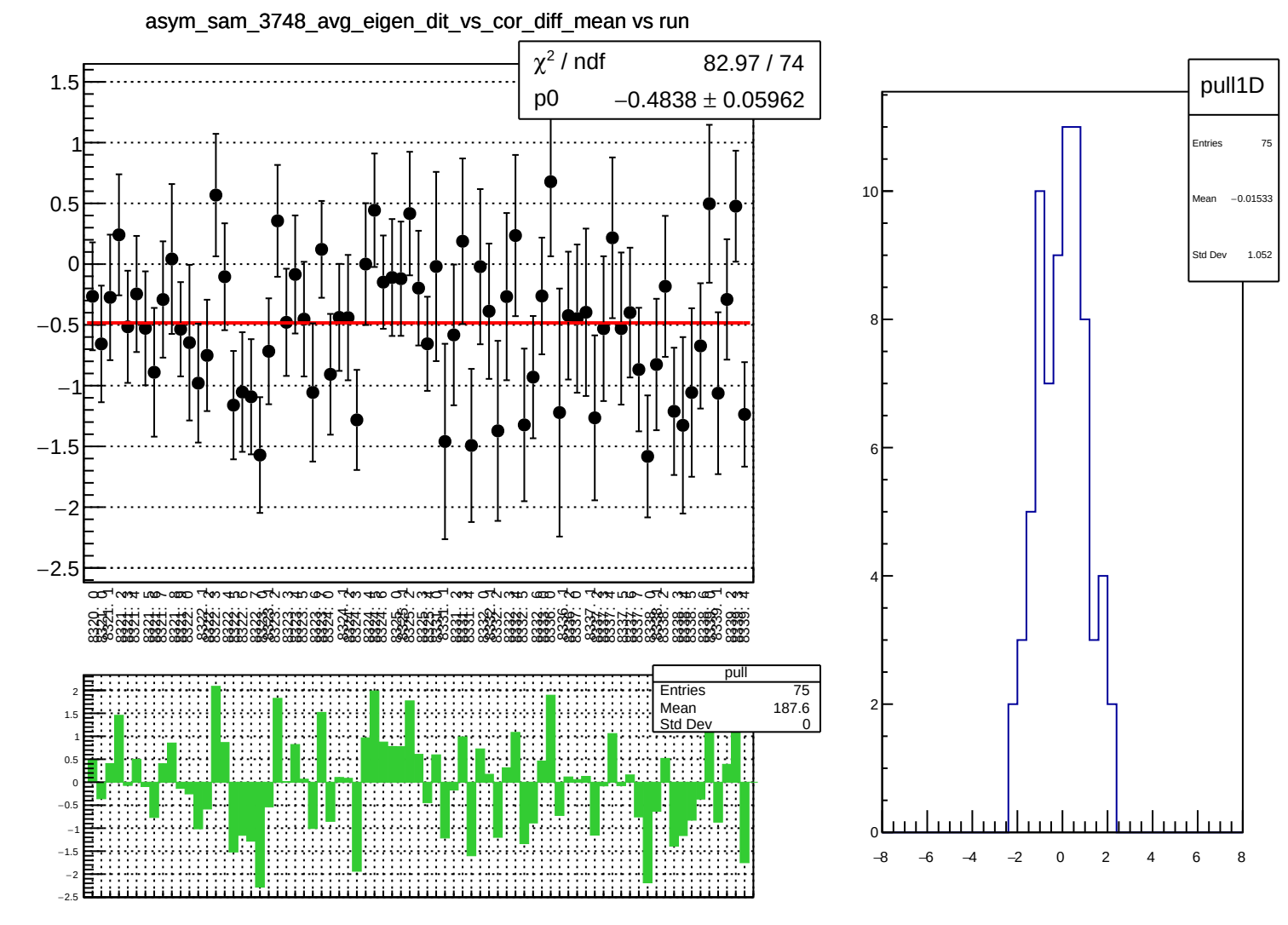

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.97 / 74
p0 −0.4838 ± 0.05963
pull
Entries 75
Mean 187.5
Std Dev 0
pull1D
Entries 75
Mean −0.01534
Std Dev 1.052

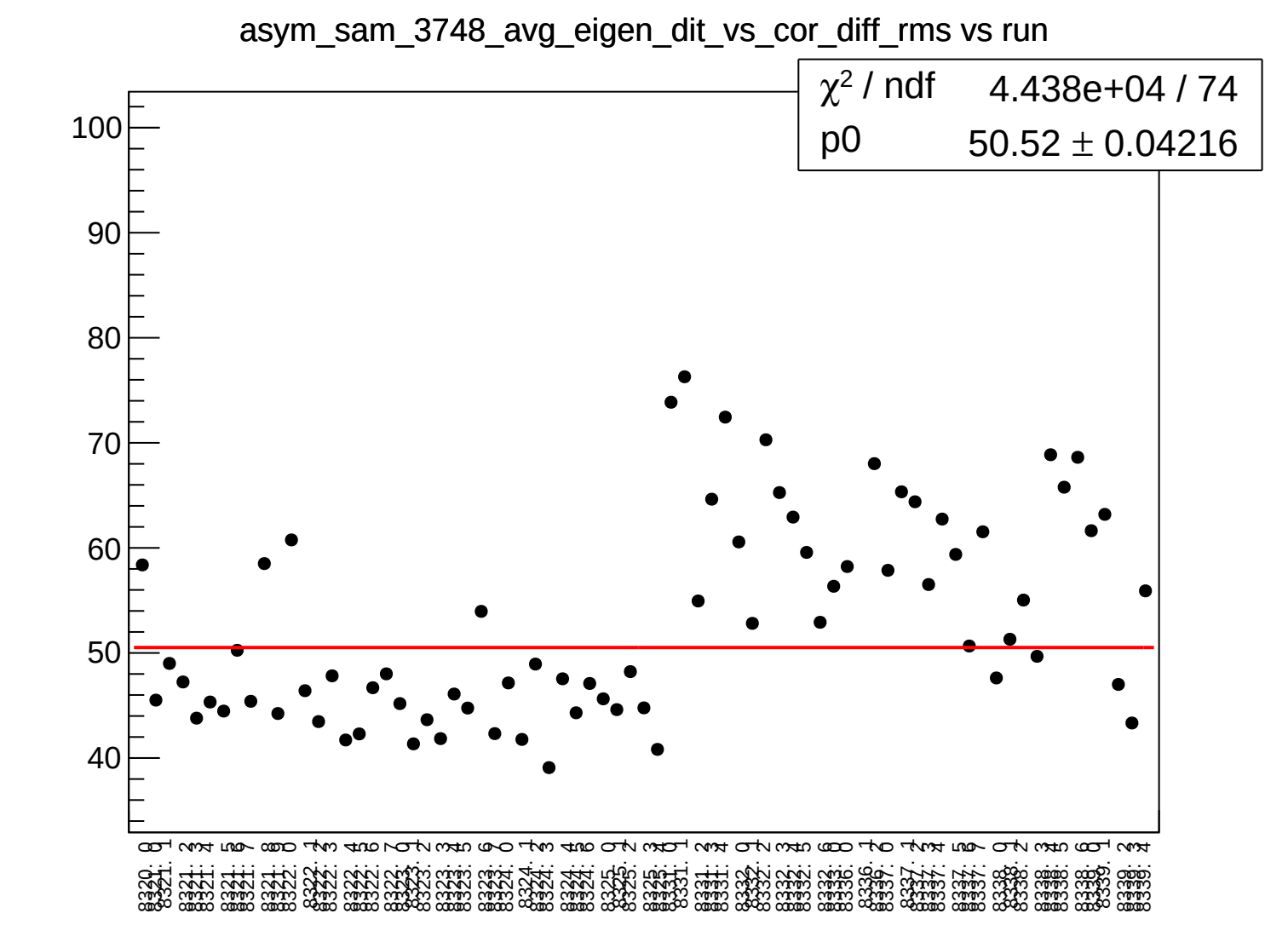

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.438e+04 / 74
p0 50.52 ± 0.04216
100
90
80
70
60
50
40

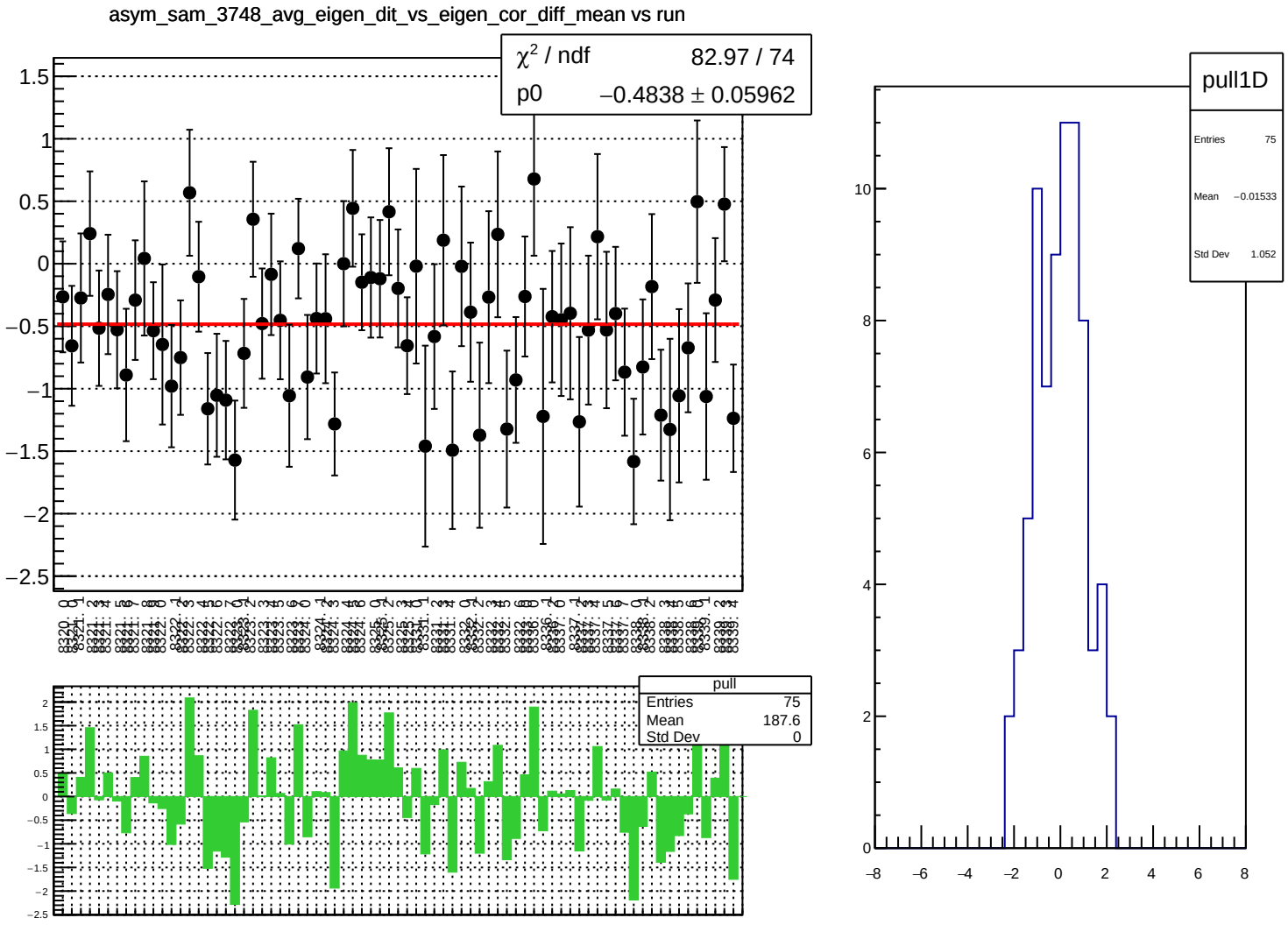

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 71.09 / 74
p0 1.17e−05 ± 2.615e−06
pull
Entries 75
Mean −11.11
Std Dev 0

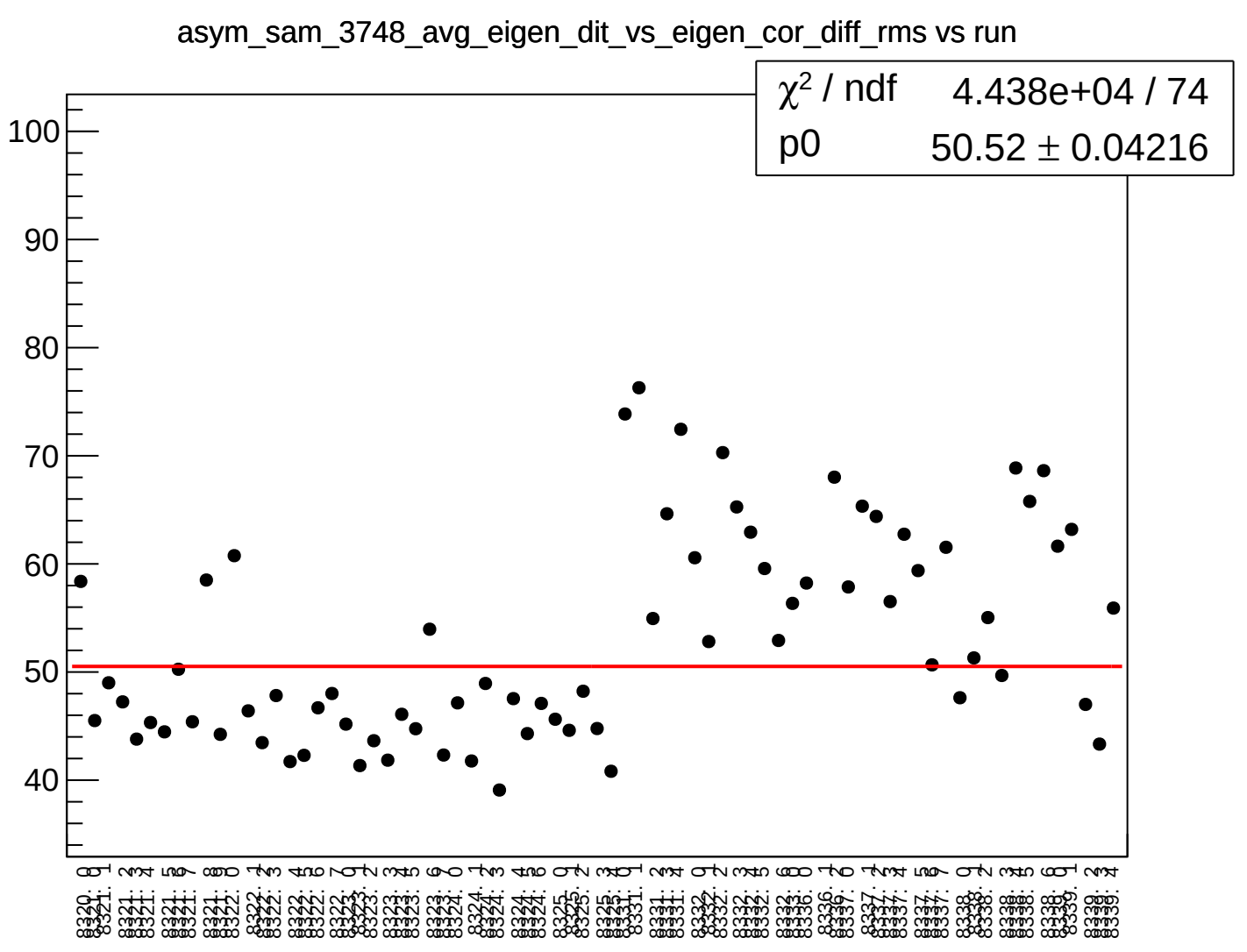

pull1D
Entries 75
Mean 0.02094
Std Dev 0.9733

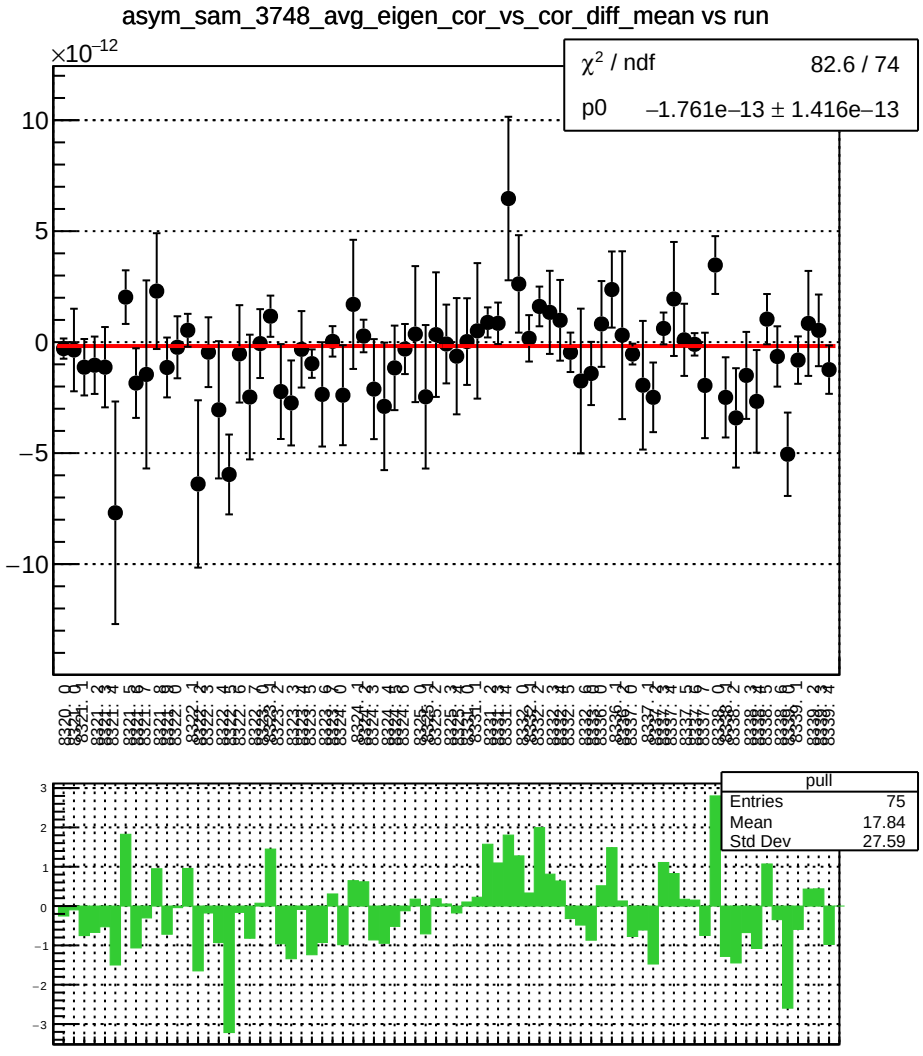

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.82e+04 / 74
p0 0.002235 ± 1.849e−06
0.0028
0.0026
0.0024
0.0022
0.002

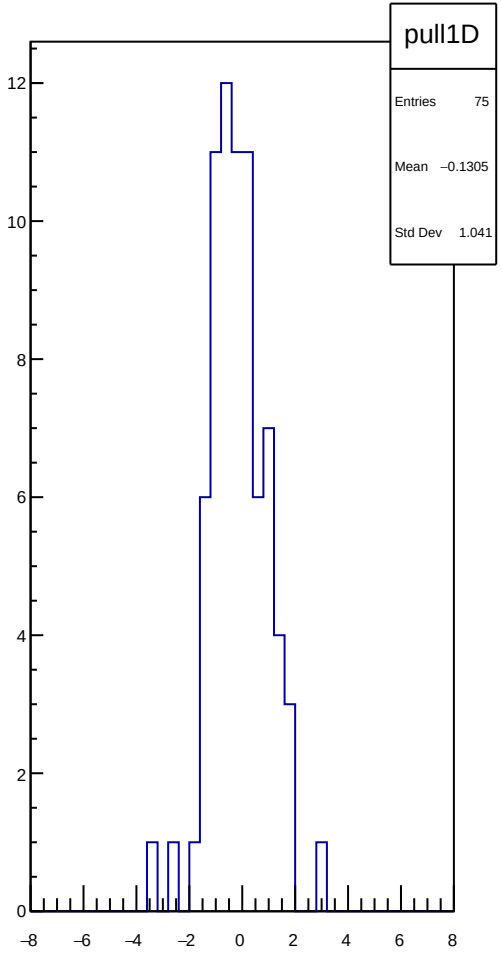

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.97 / 74
p0 −0.4838 ± 0.05962
pull
Entries 75
Mean 187.6
Std Dev 0
pull1D
Entries 75
Mean −0.01533
Std Dev 1.052

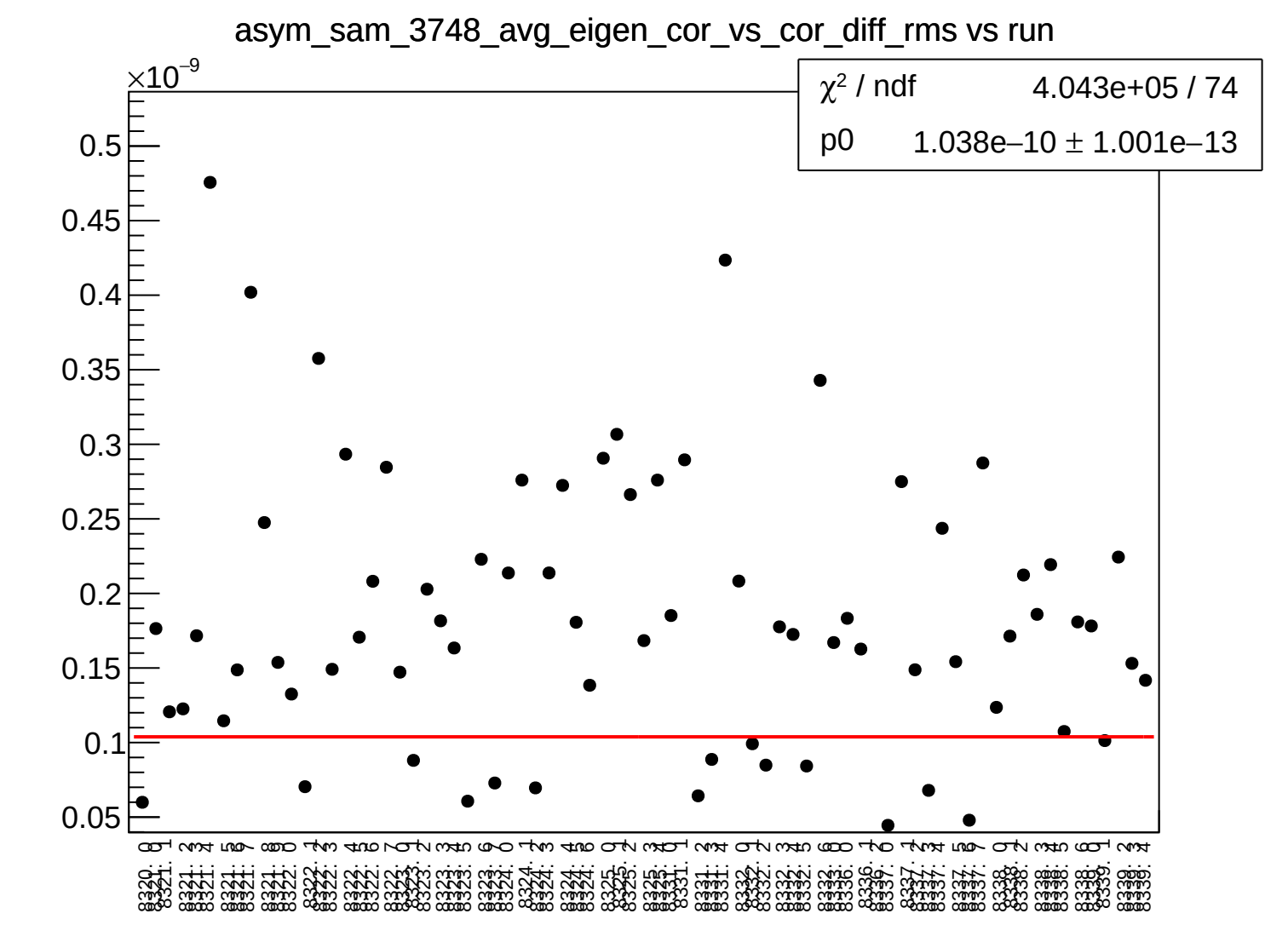

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.438e+04 / 74
p0 50.52 ± 0.04216
100
90
80
70
60
50
40

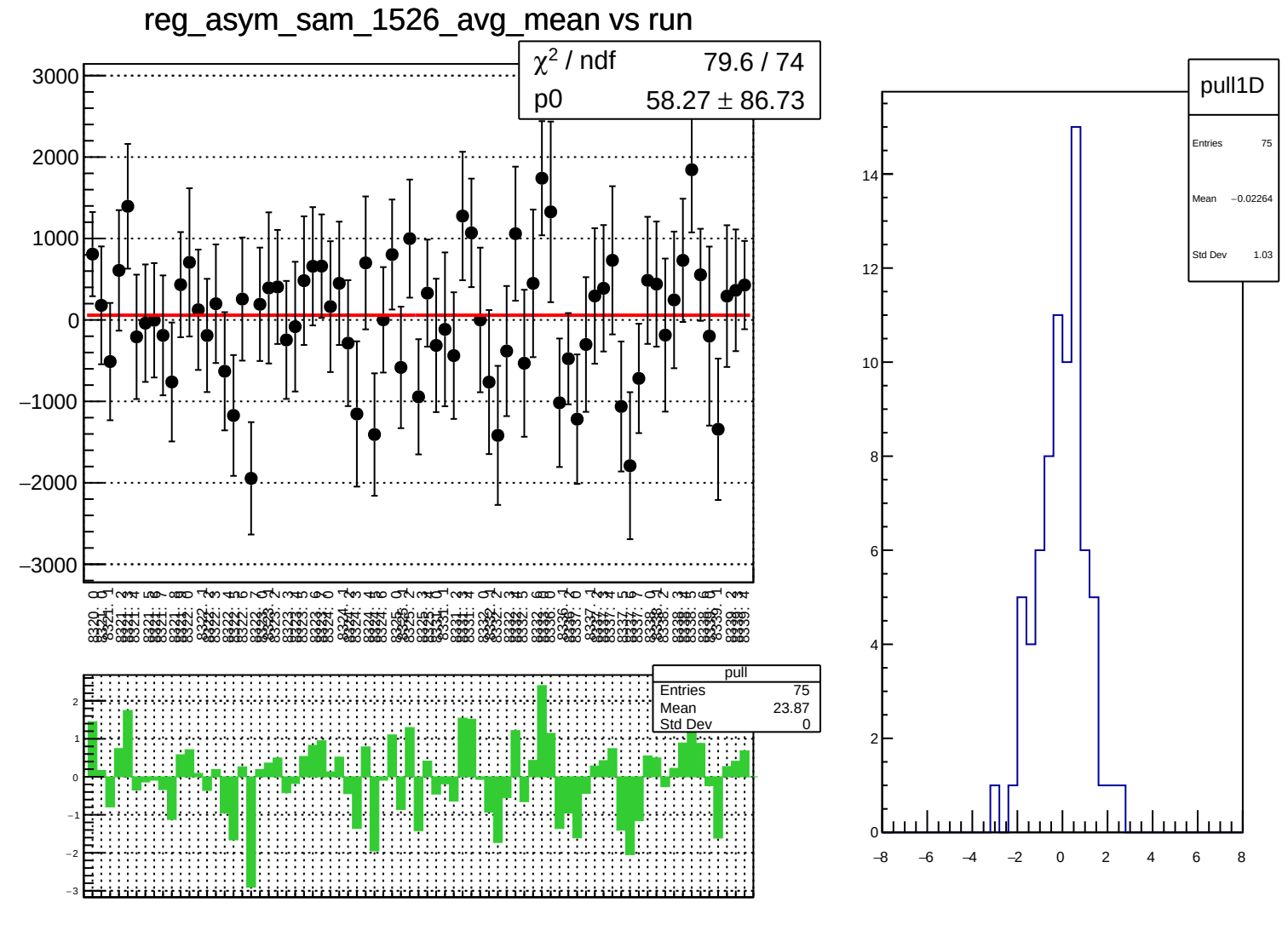

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.97 / 74
p0 −0.4838 ± 0.05962
pull
Entries 75
Mean 187.6
Std Dev 0
pull1D
Entries 75
Mean −0.01533
Std Dev 1.052

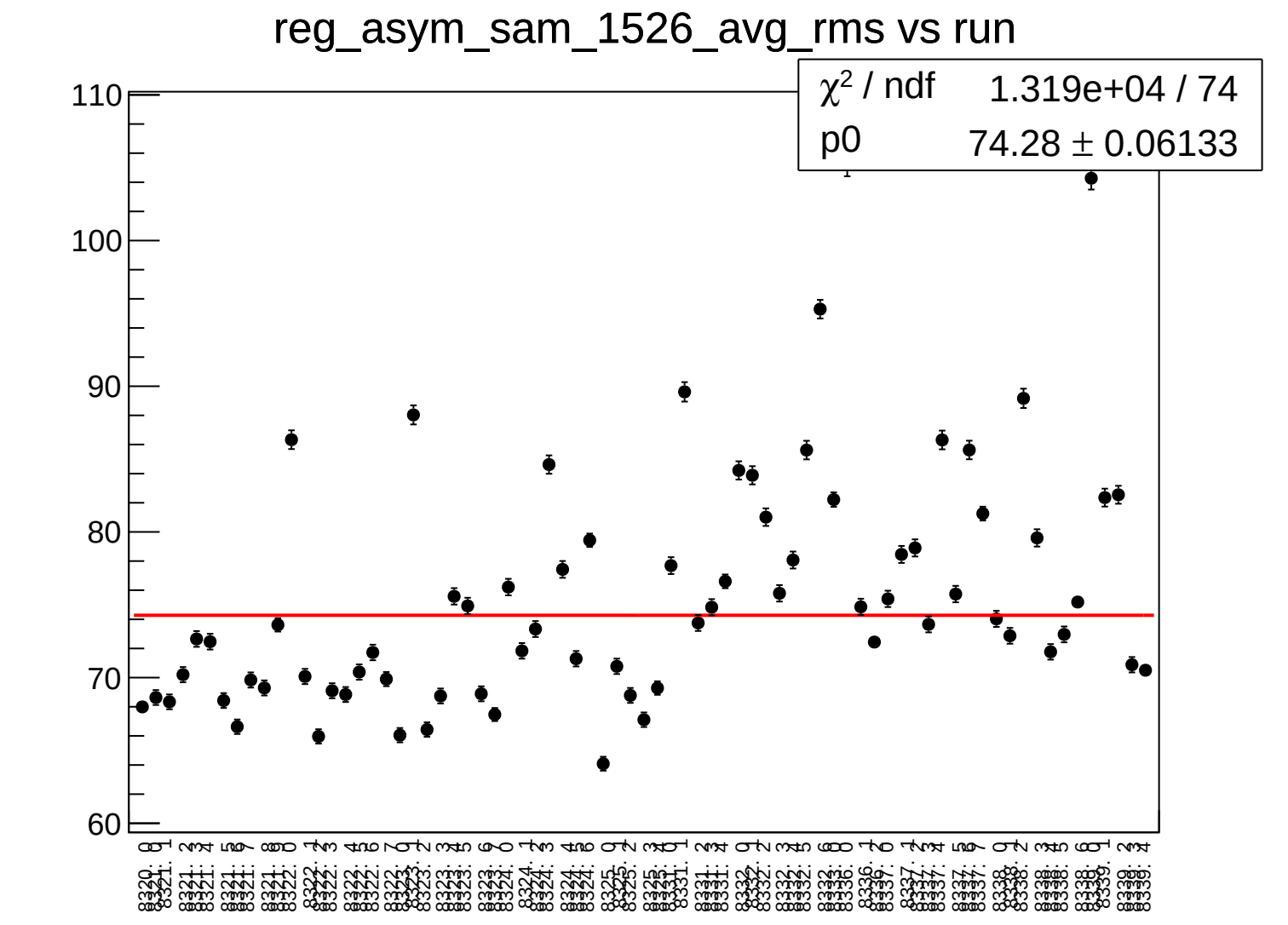

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.438e+04 / 74
p0 50.52 ± 0.04216
100
90
80
70
60
50
40

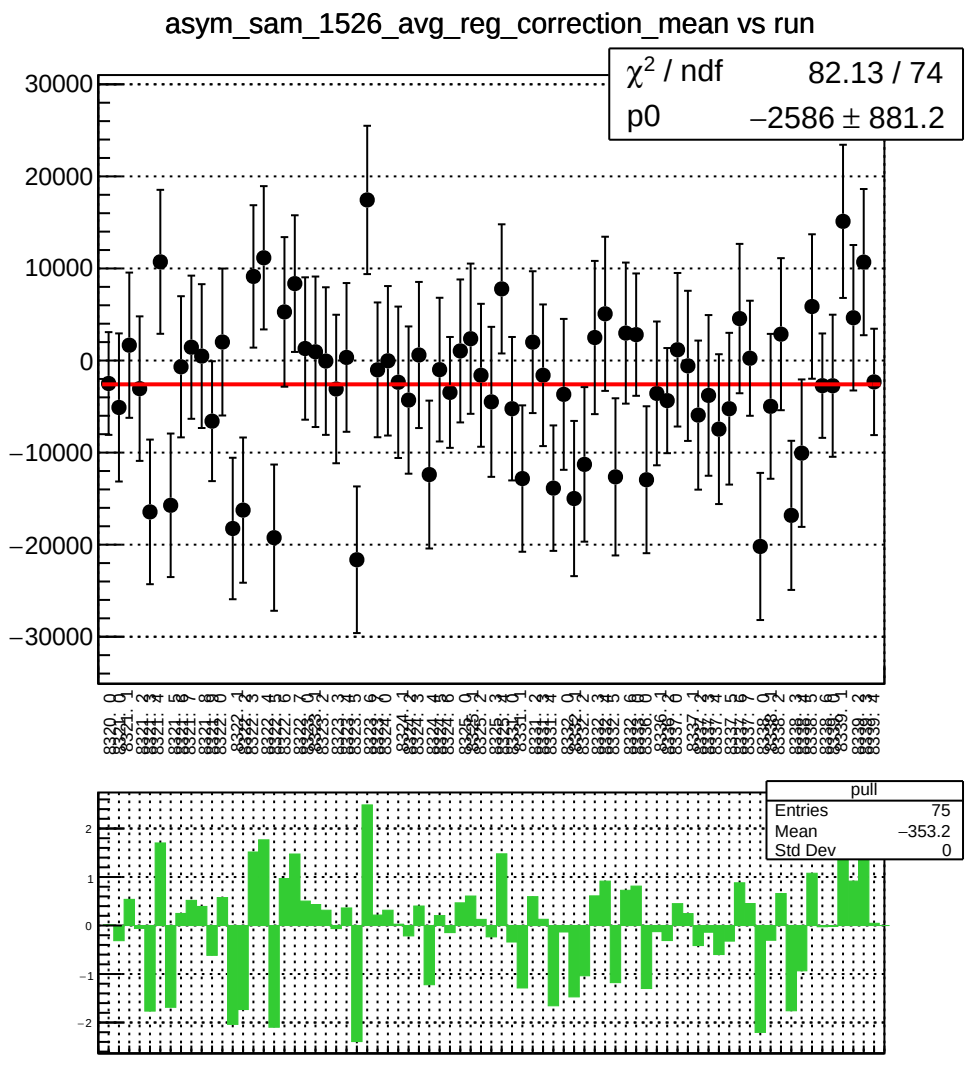

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 82.6 / 74
p0 −1.761e−13 ± 1.416e−13
pull
Entries 75
Mean 17.84
Std Dev 27.59

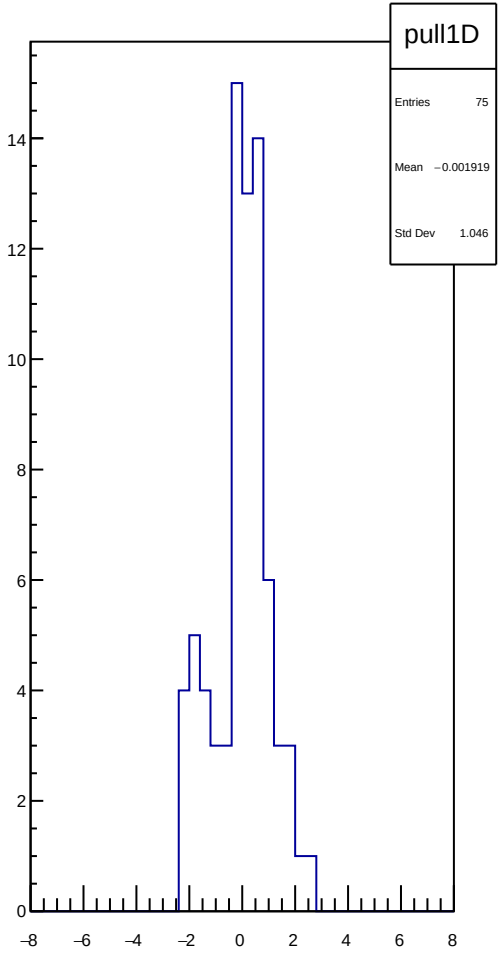

pull1D
Entries 75
Mean −0.1305
Std Dev 1.041

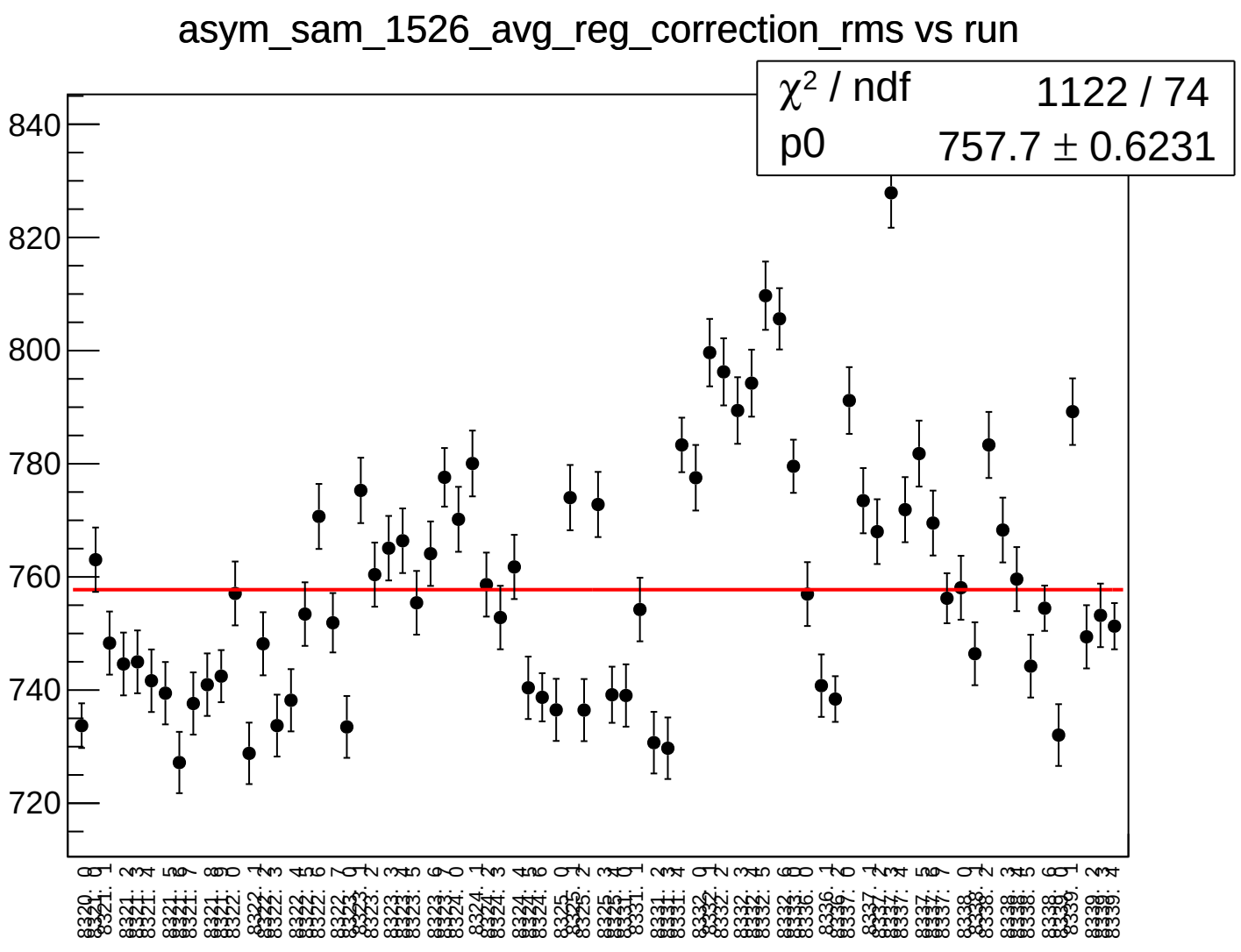

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.043e+05 / 74
p0 1.038e−10 ± 1.001e−13
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

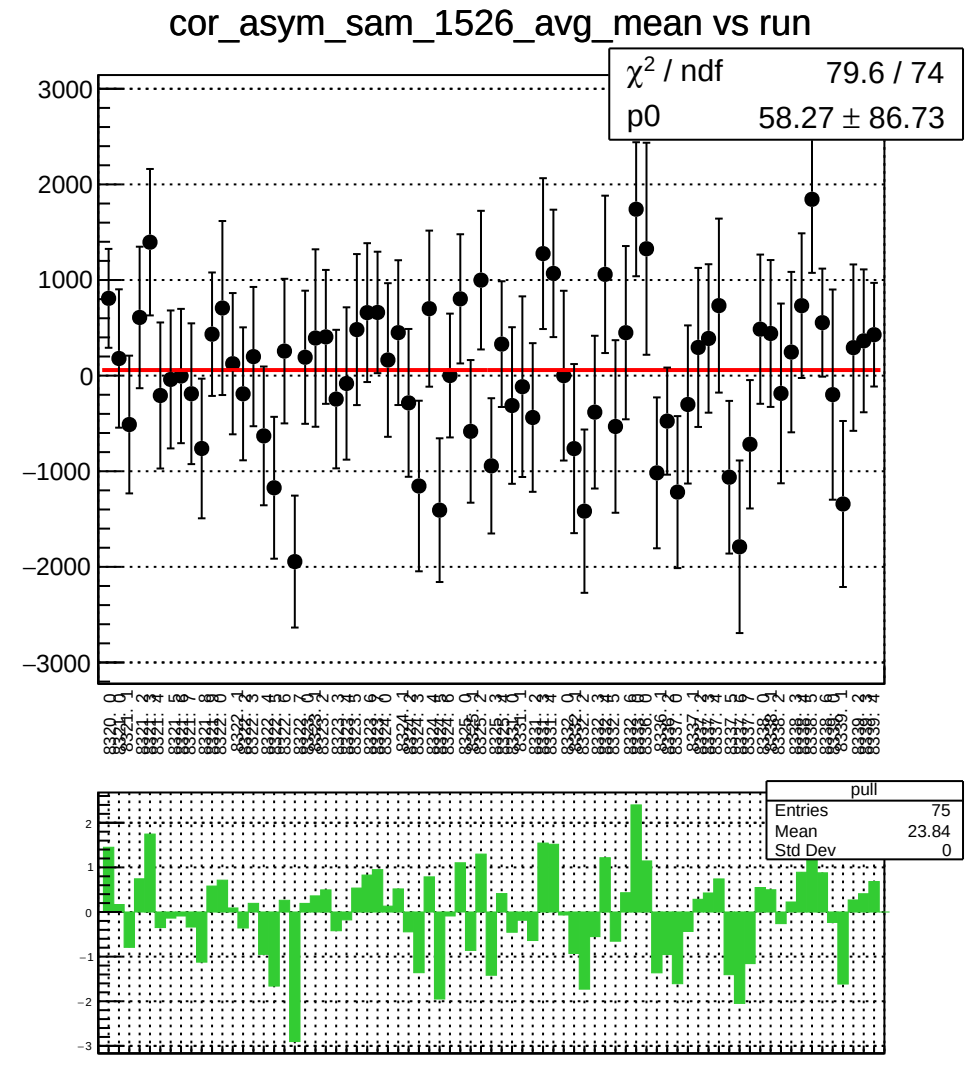

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 79.6 / 74
p0 58.27 ± 86.73
pull
Entries 75
Mean 23.87
Std Dev 0
pull1D
Entries 75
Mean −0.02264
Std Dev 1.03

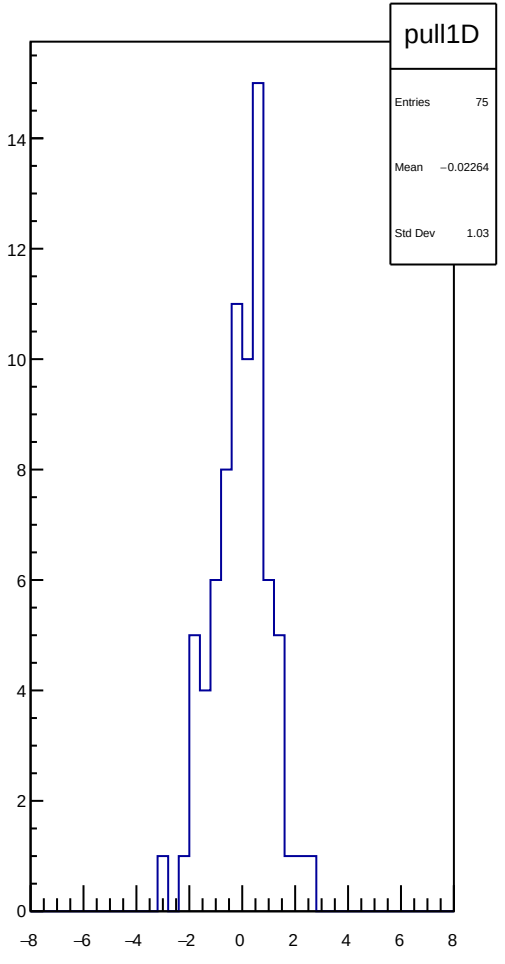

reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.319e+04 / 74
p0 74.28 ± 0.06133
110
100
90
80
70
60

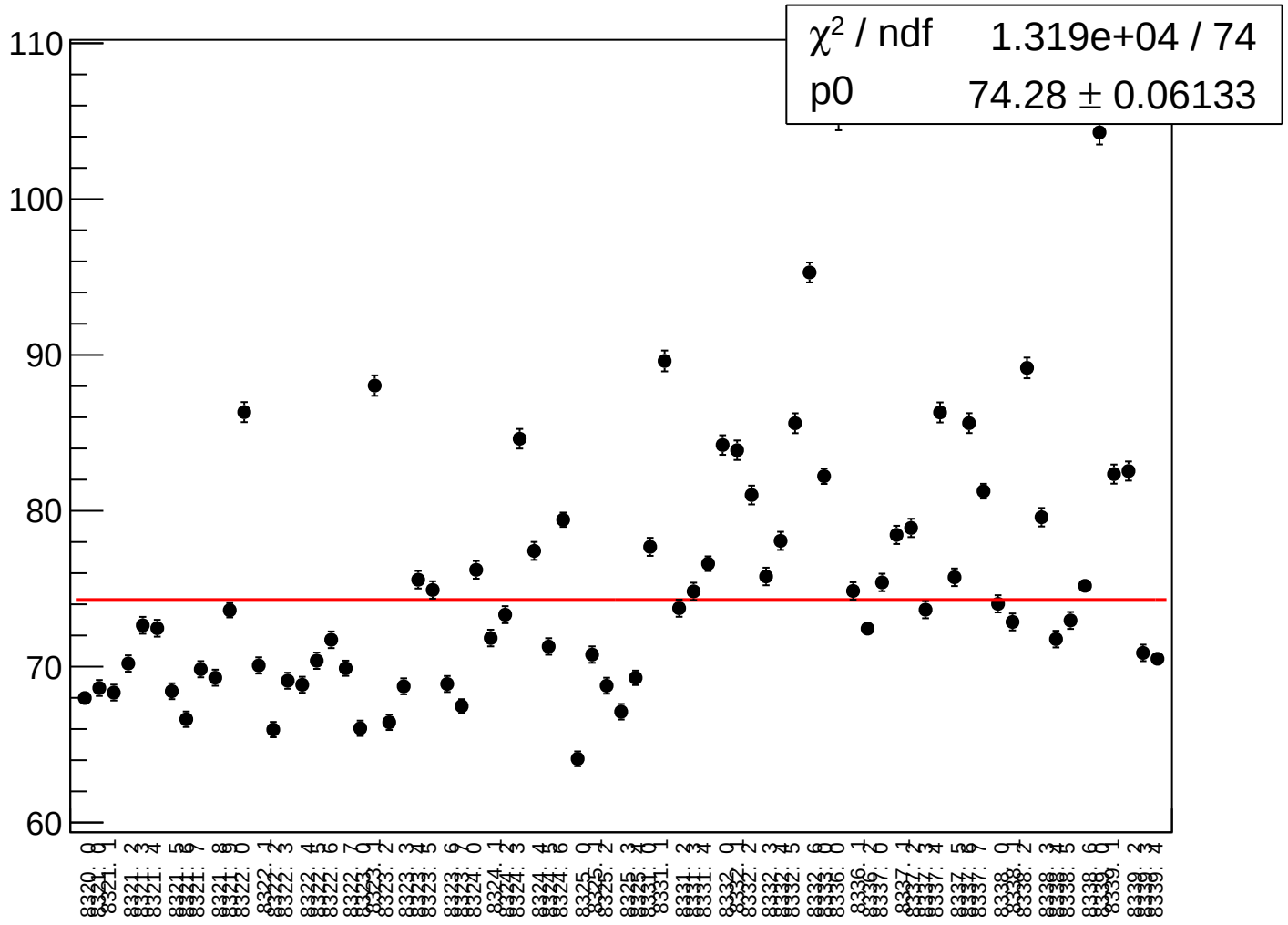

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 82.13 / 74
p0 −2586 ± 881.2
pull
Entries 75
Mean −353.2
Std Dev 0

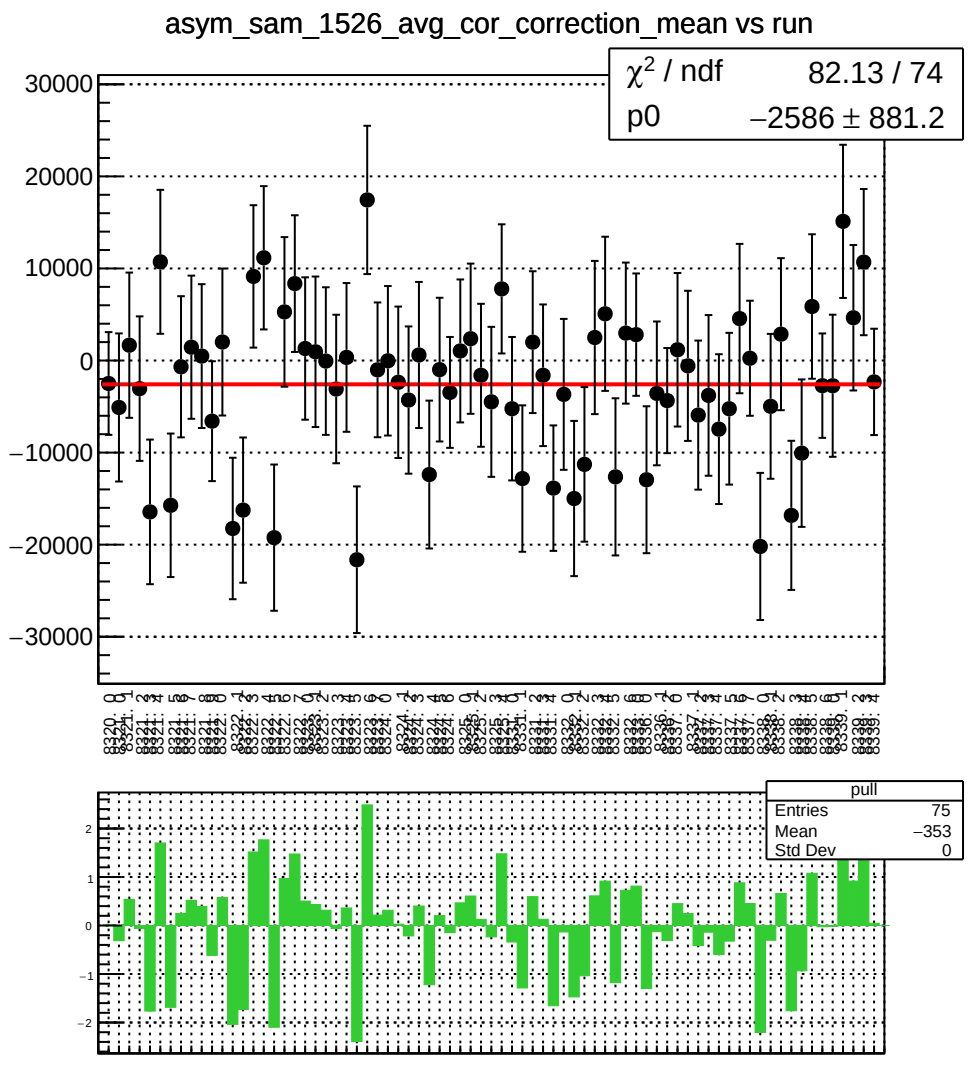

pull1D
Entries 75
Mean −0.001919
Std Dev 1.046

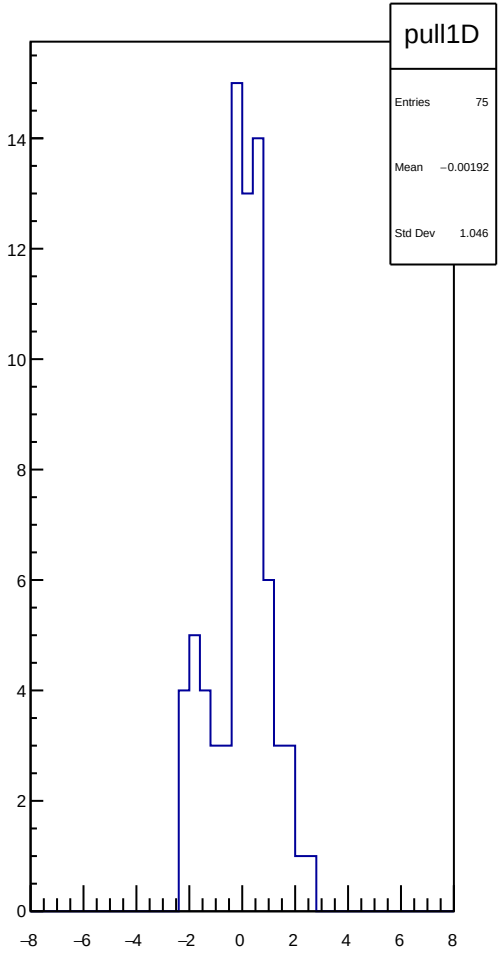

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1122 / 74
p0 757.7 ± 0.6231
840
820
800
780
760
740
720

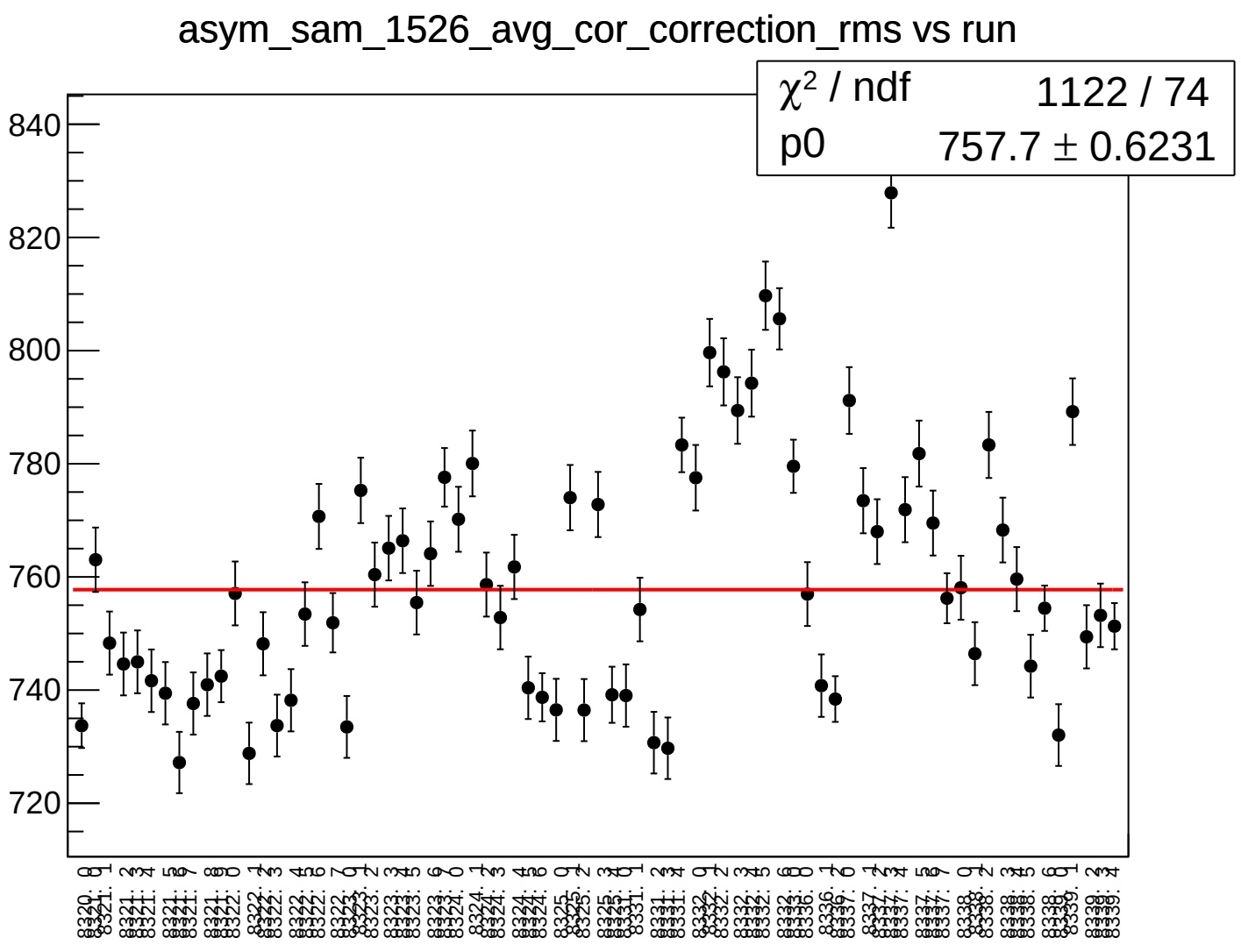

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 79.6 / 74
p0 58.27 ± 86.73
pull
Entries 75
Mean 23.84
Std Dev 0

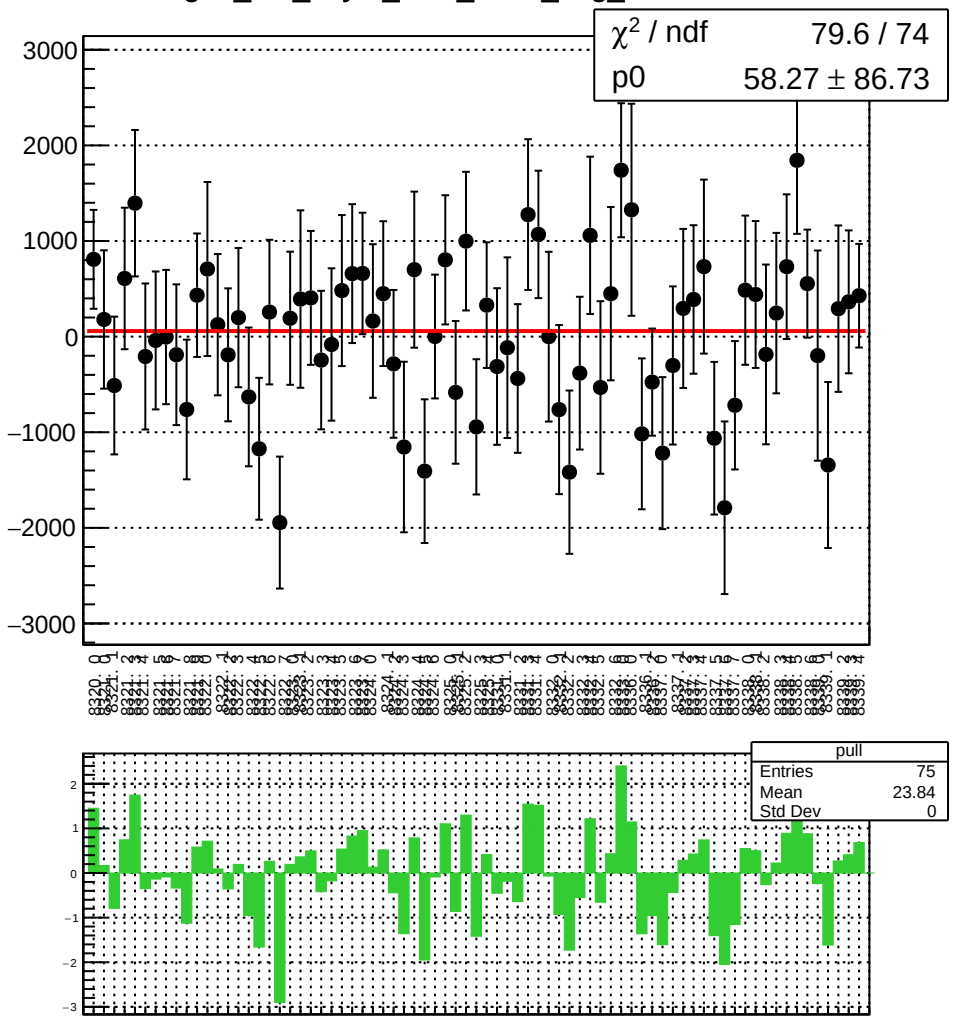

pull1D
Entries 75
Mean −0.02264
Std Dev 1.03

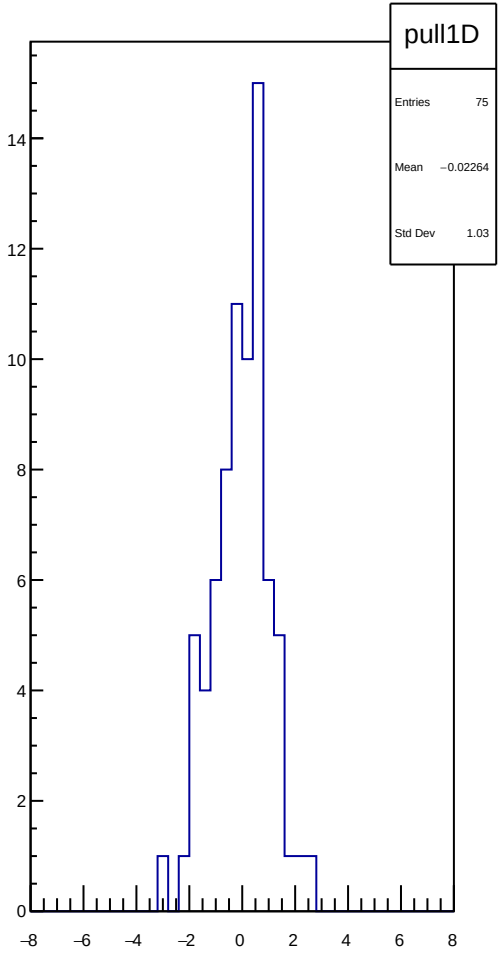

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.319e+04 / 74
p0 74.28 ± 0.06133
110
100
90
80
70
60

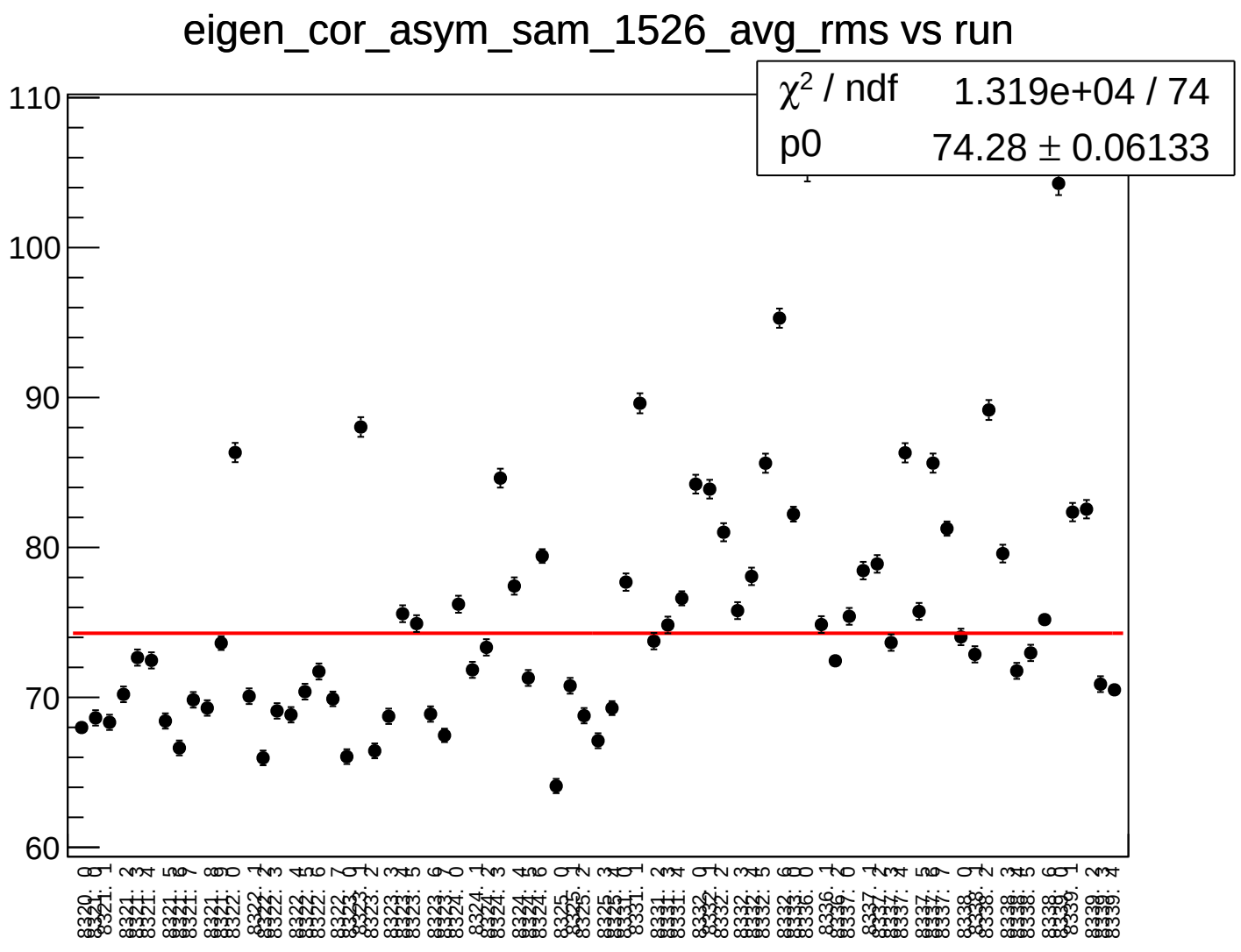

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 82.13 / 74
p0 −2586 ± 881.2
pull
Entries 75
Mean −353
Std Dev 0

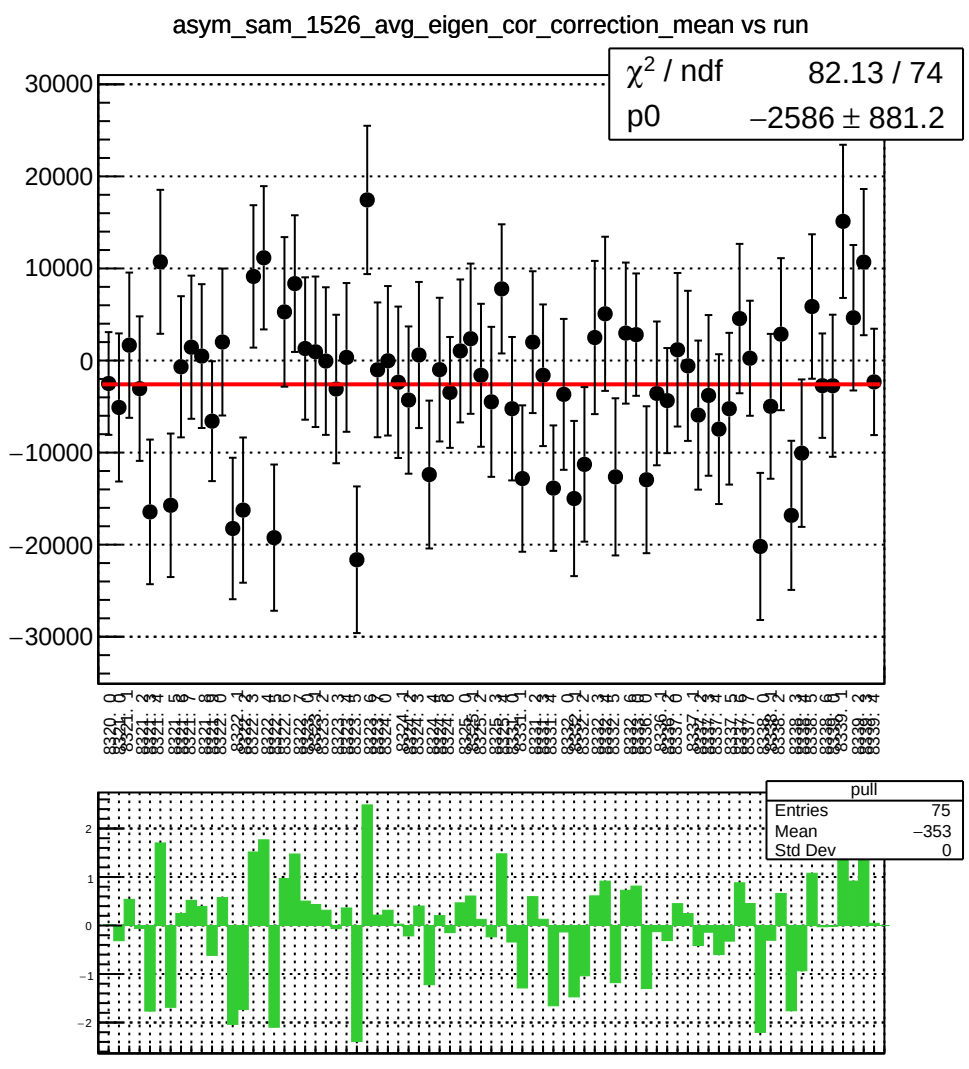

pull1D
Entries 75
Mean −0.00192
Std Dev 1.046

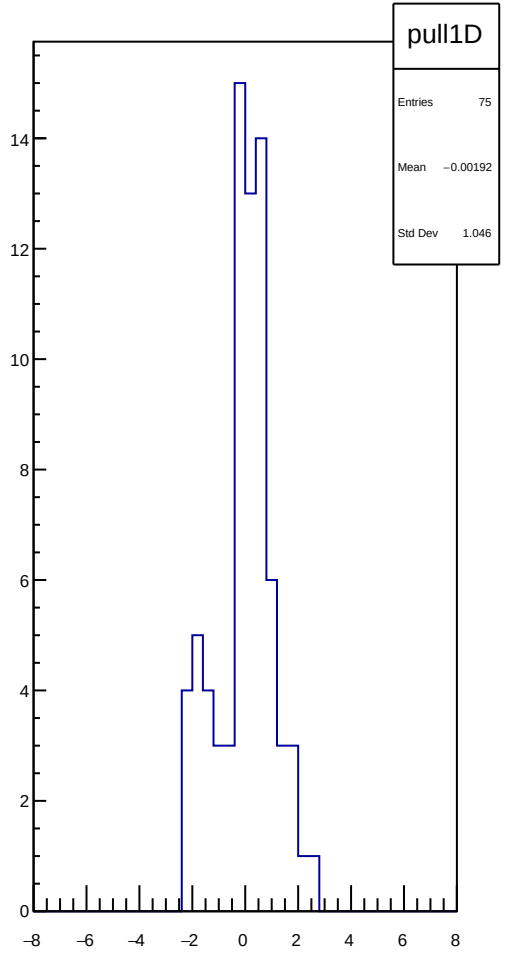

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1122 / 74
p0 757.7 ± 0.6231
840
820
800
780
760
740
720

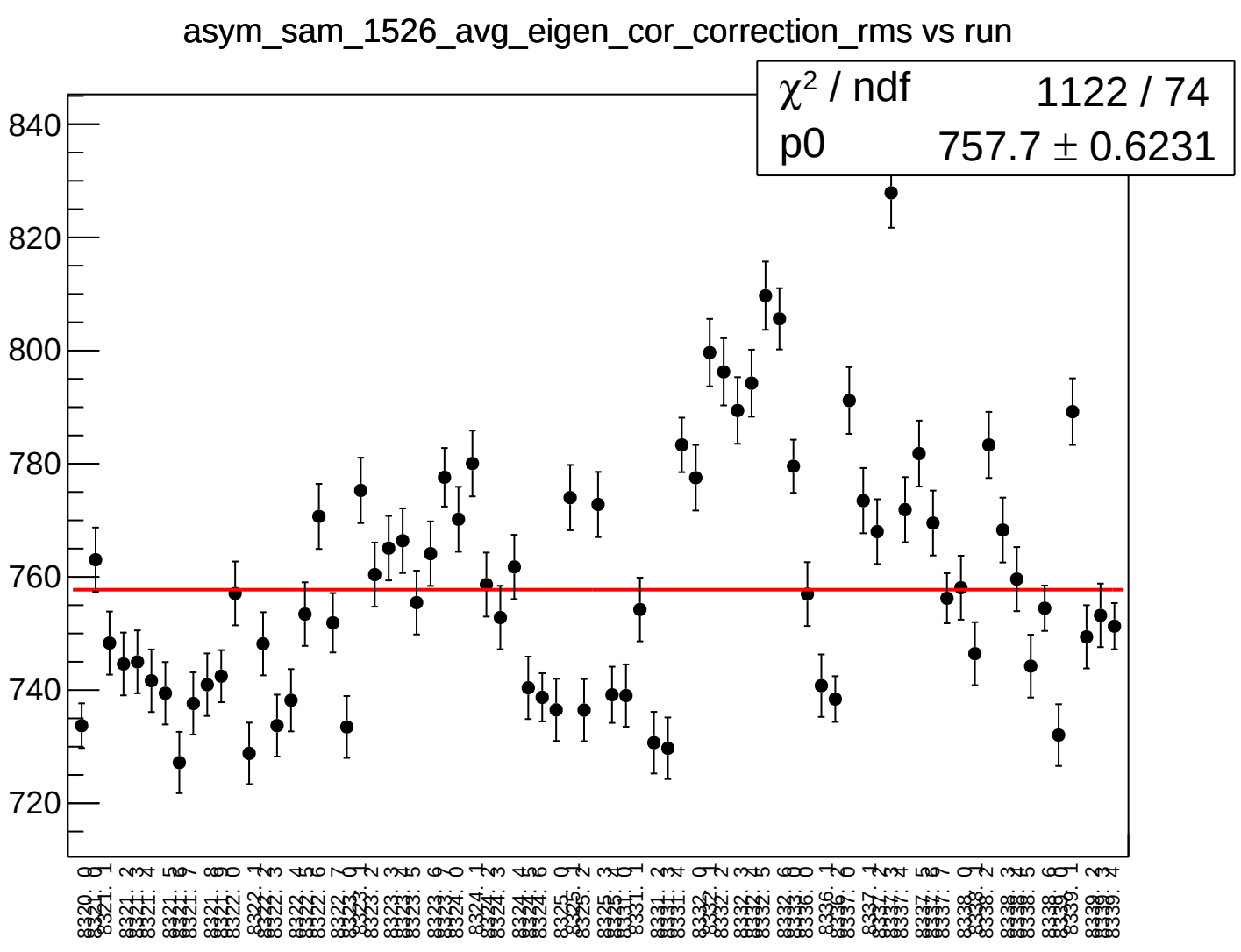

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 79.6 / 74
p0 58.27 ± 86.73
pull
Entries 75
Mean 23.84
Std Dev 0

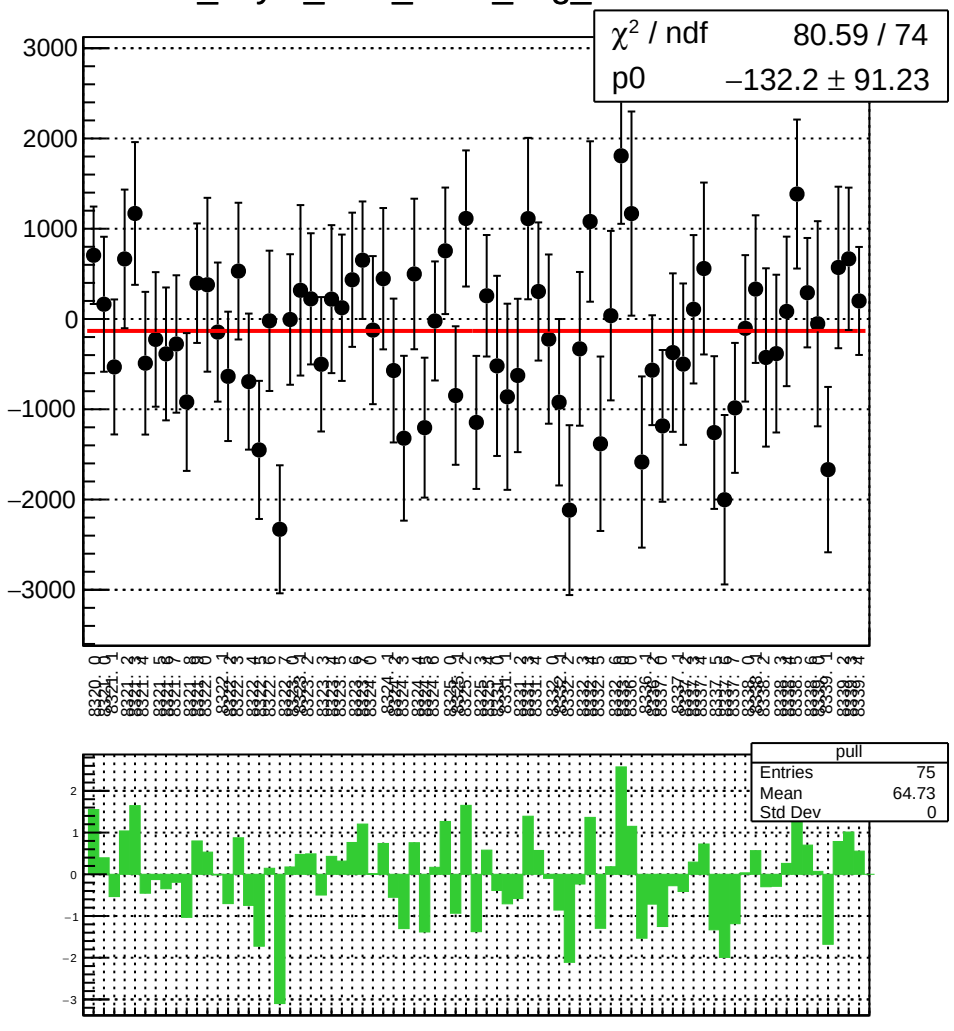

pull1D
Entries 75
Mean −0.02264
Std Dev 1.03

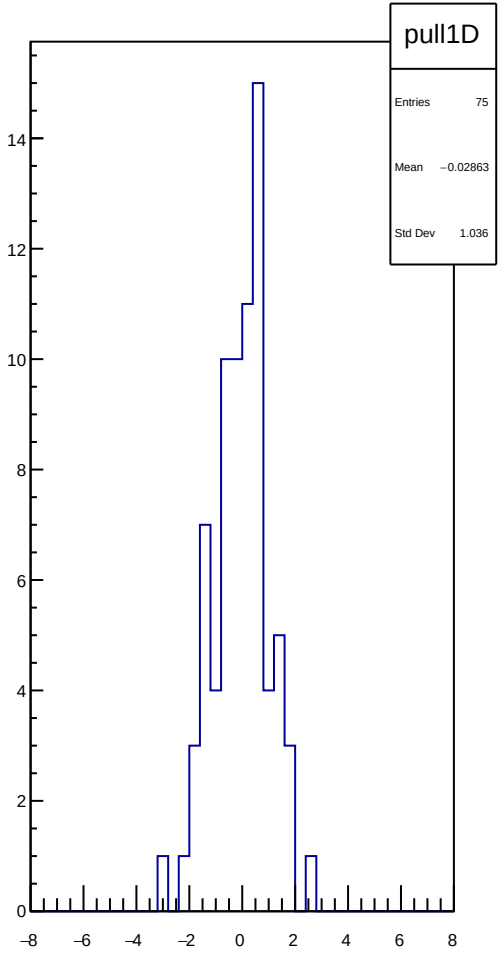

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.319e+04 / 74
p0 74.28 ± 0.06133
110
100
90
80
70
60

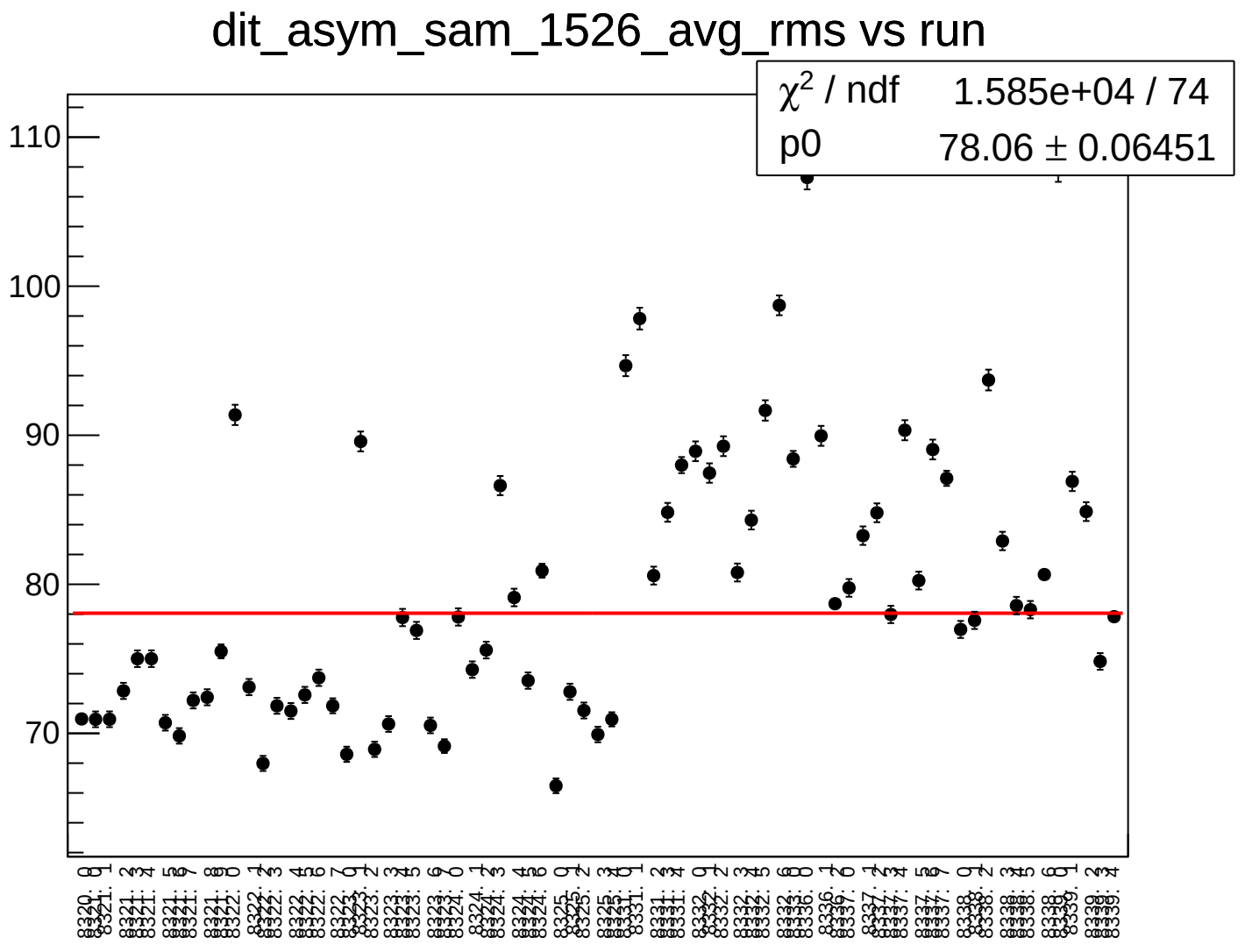

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 82.13 / 74
p0 −2586 ± 881.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean −353
Std Dev 0
2
1
0
−1
−2

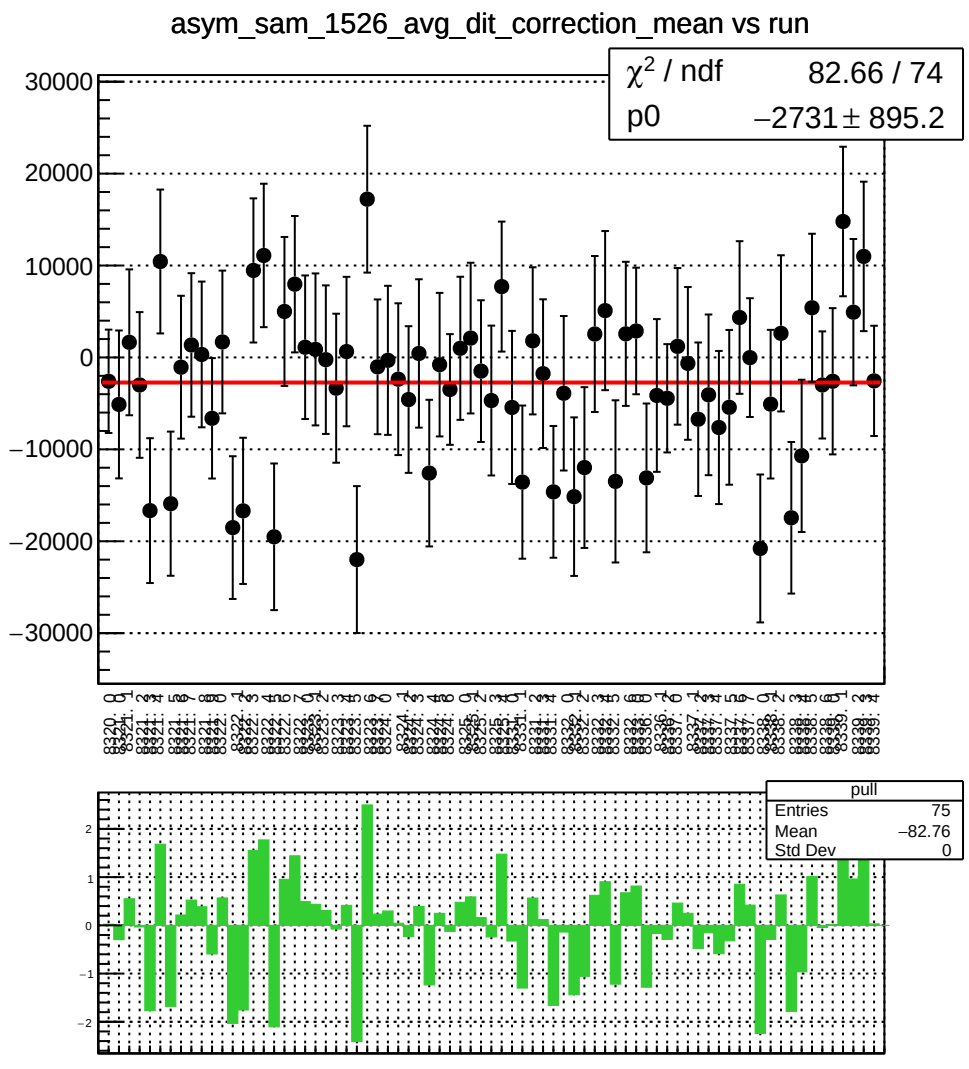

pull1D
Entries 75
Mean −0.00192
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

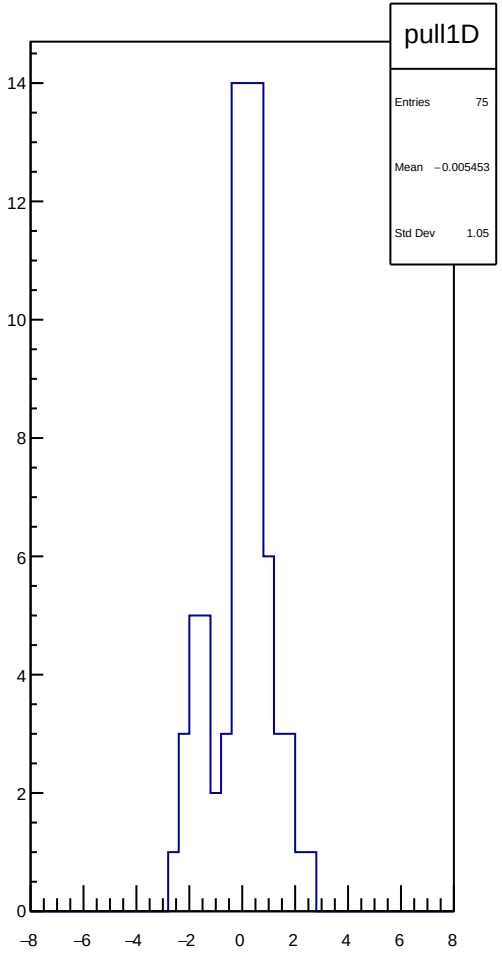

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1122 / 74
p0 757.7 ± 0.6231
840
820
800
780
760
740
720

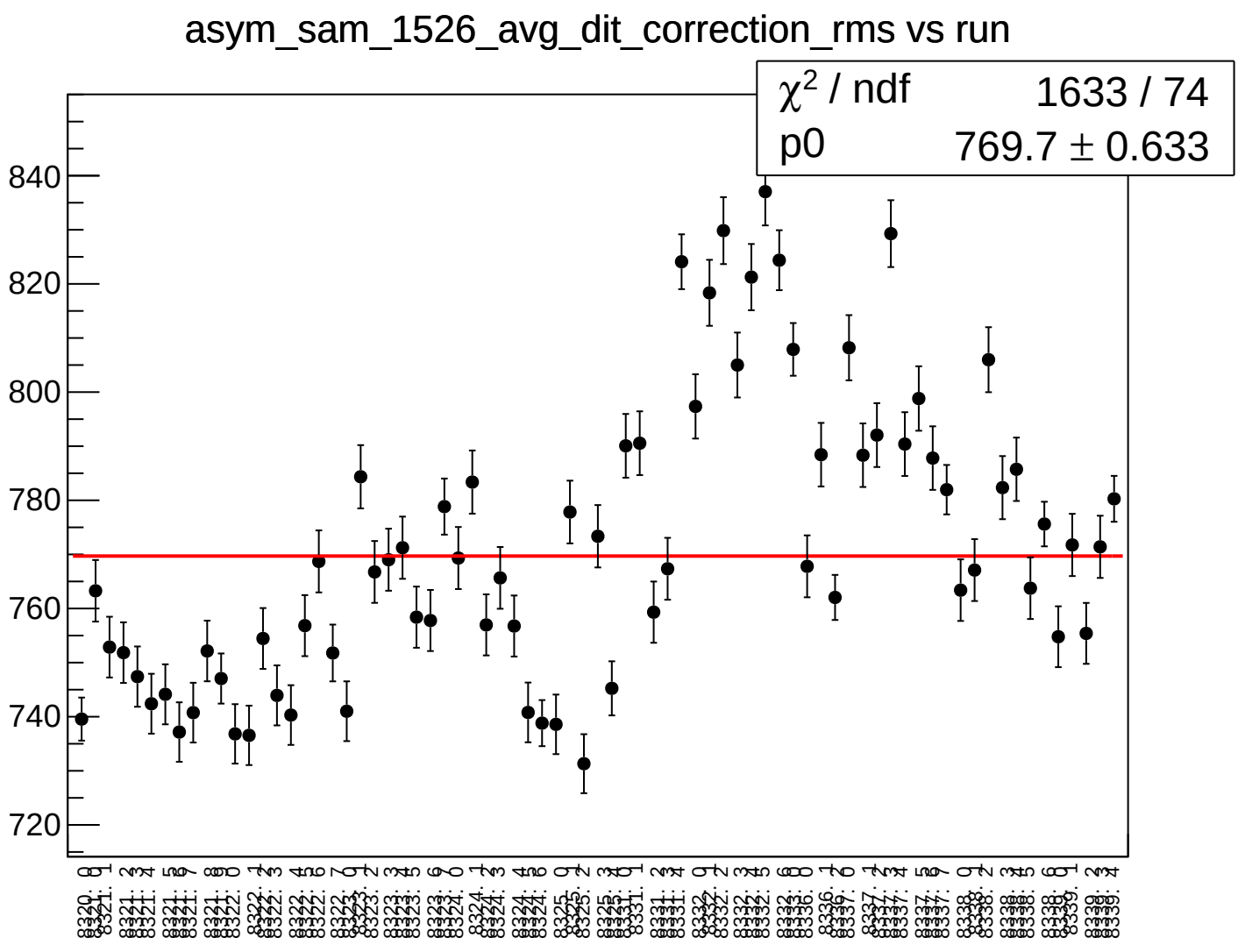

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 80.59 / 74
p0 −132.2 ± 91.23
pull
Entries 75
Mean 64.73
Std Dev 0

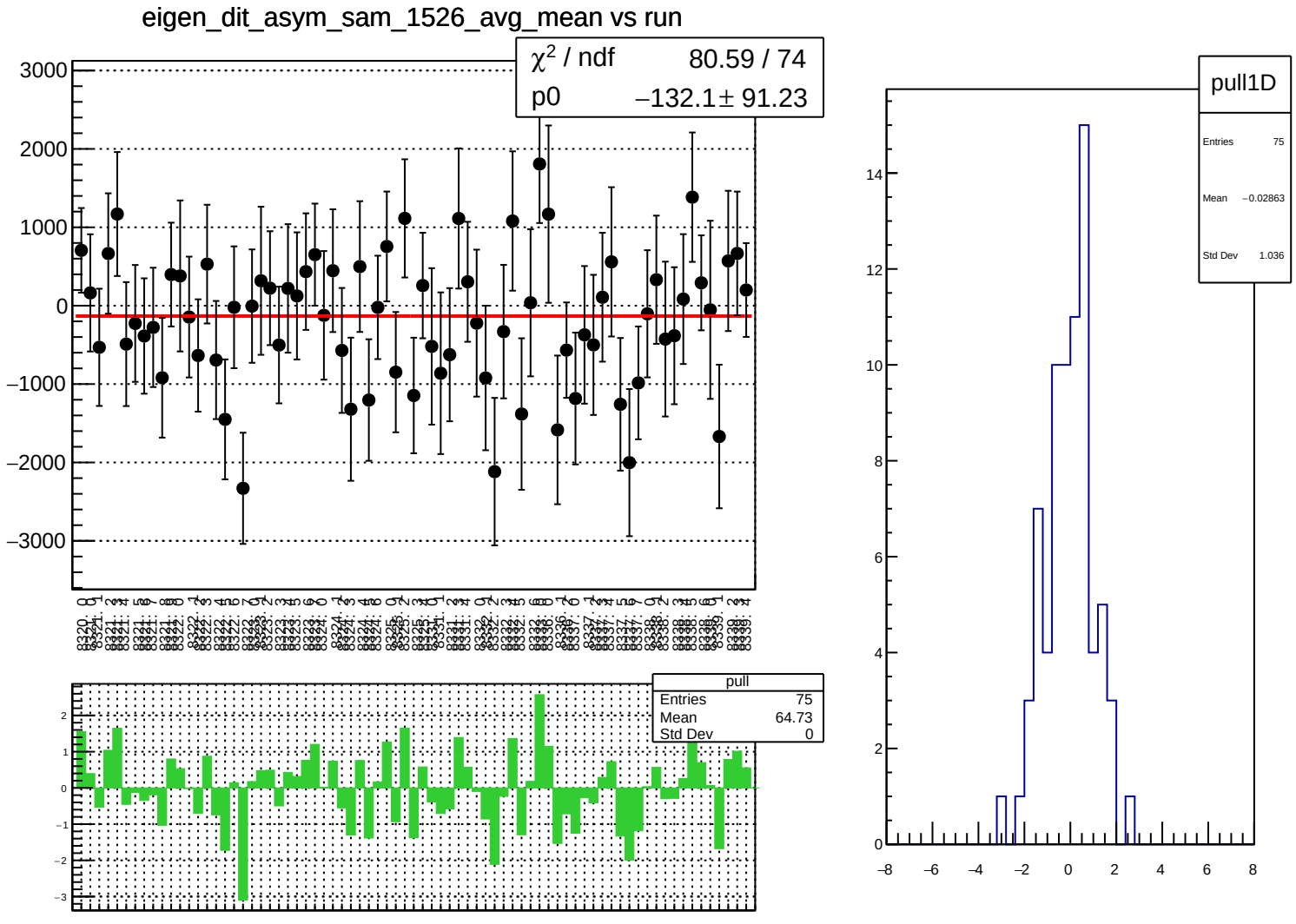

pull1D
Entries 75
Mean −0.02863
Std Dev 1.036

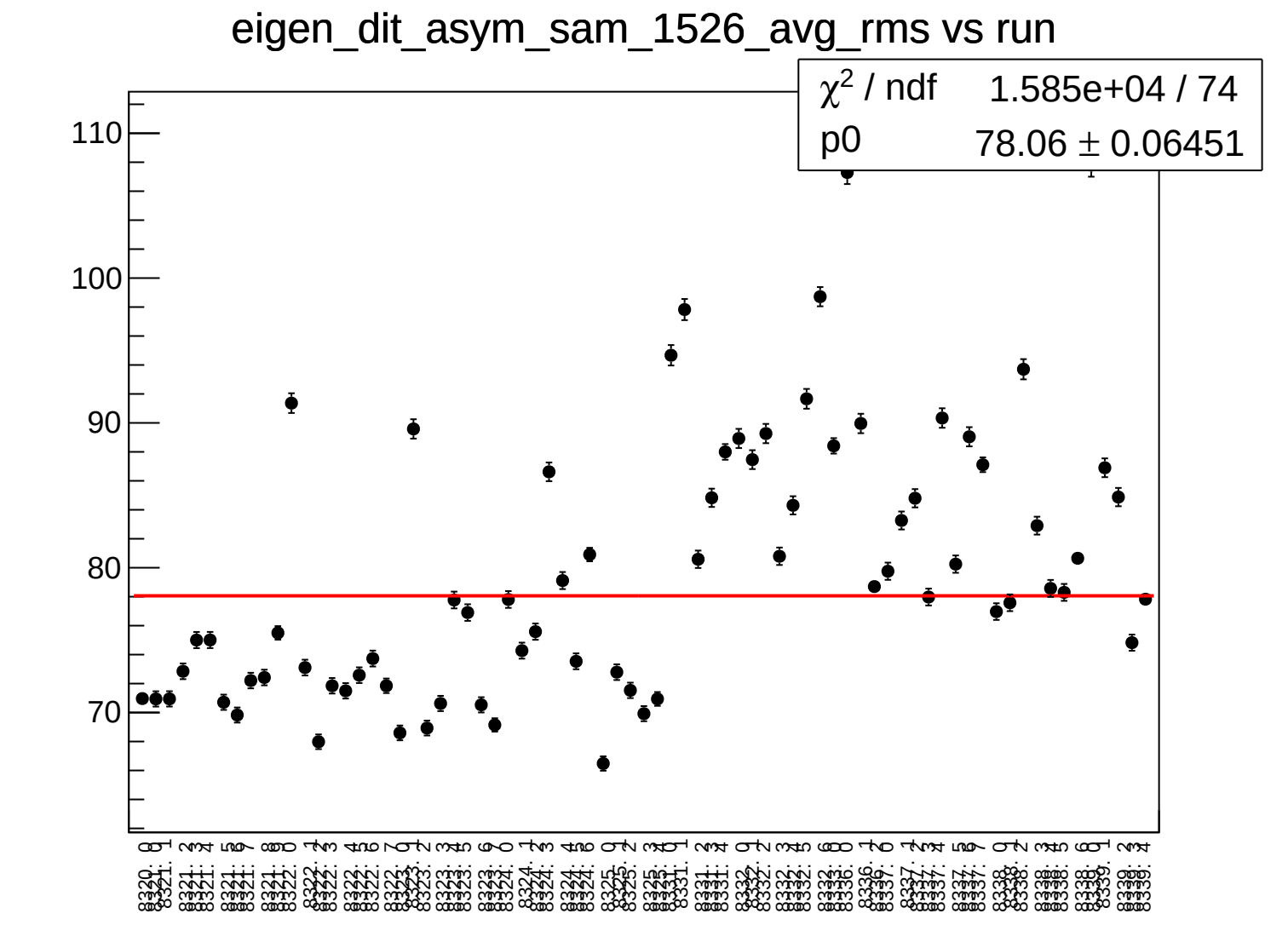

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.585e+04 / 74
p0 78.06 ± 0.06451
110
100
90
80
70

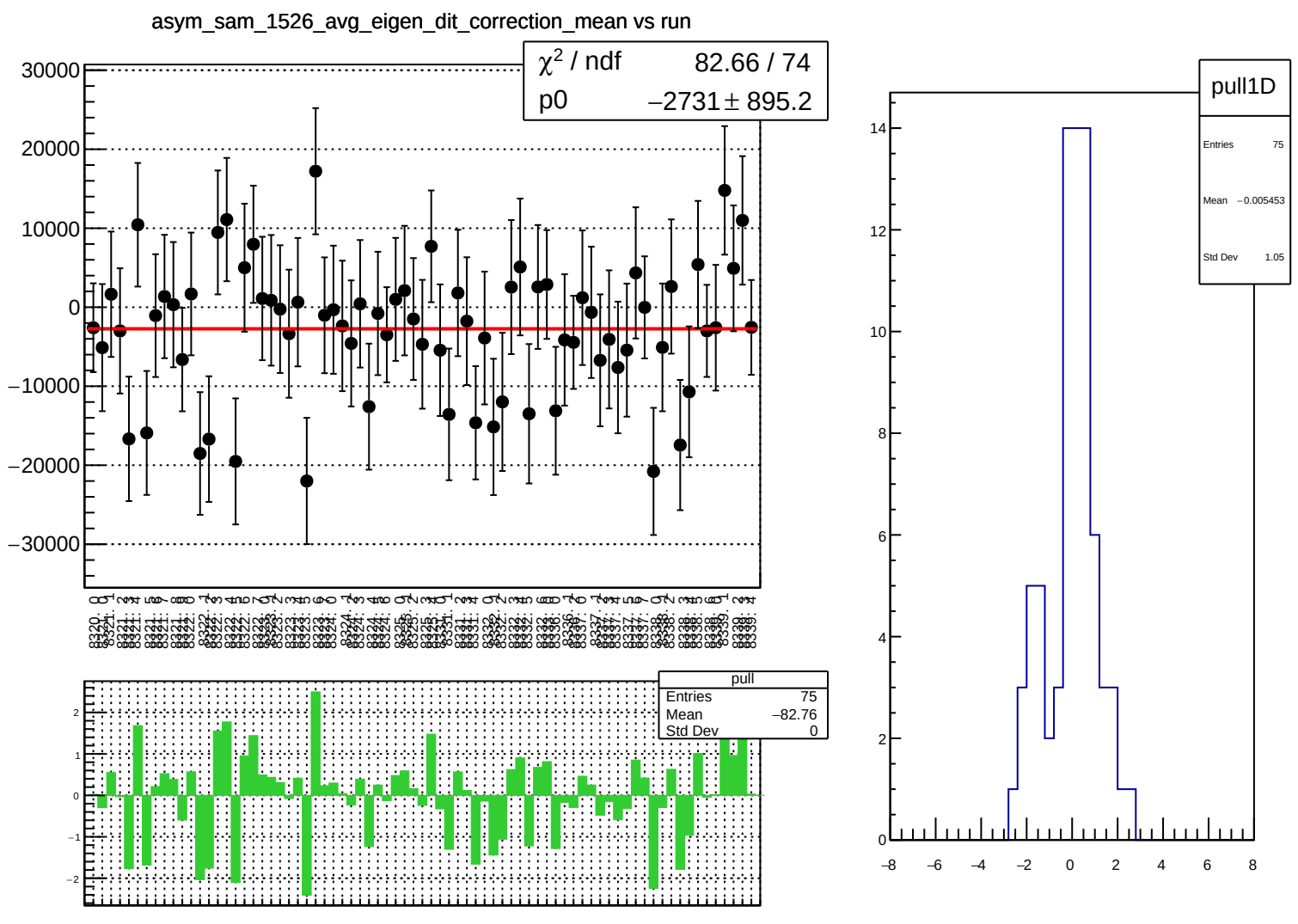

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 82.66 / 74
p0 −2731 ± 895.2
pull
Entries 75
Mean −82.76
Std Dev 0

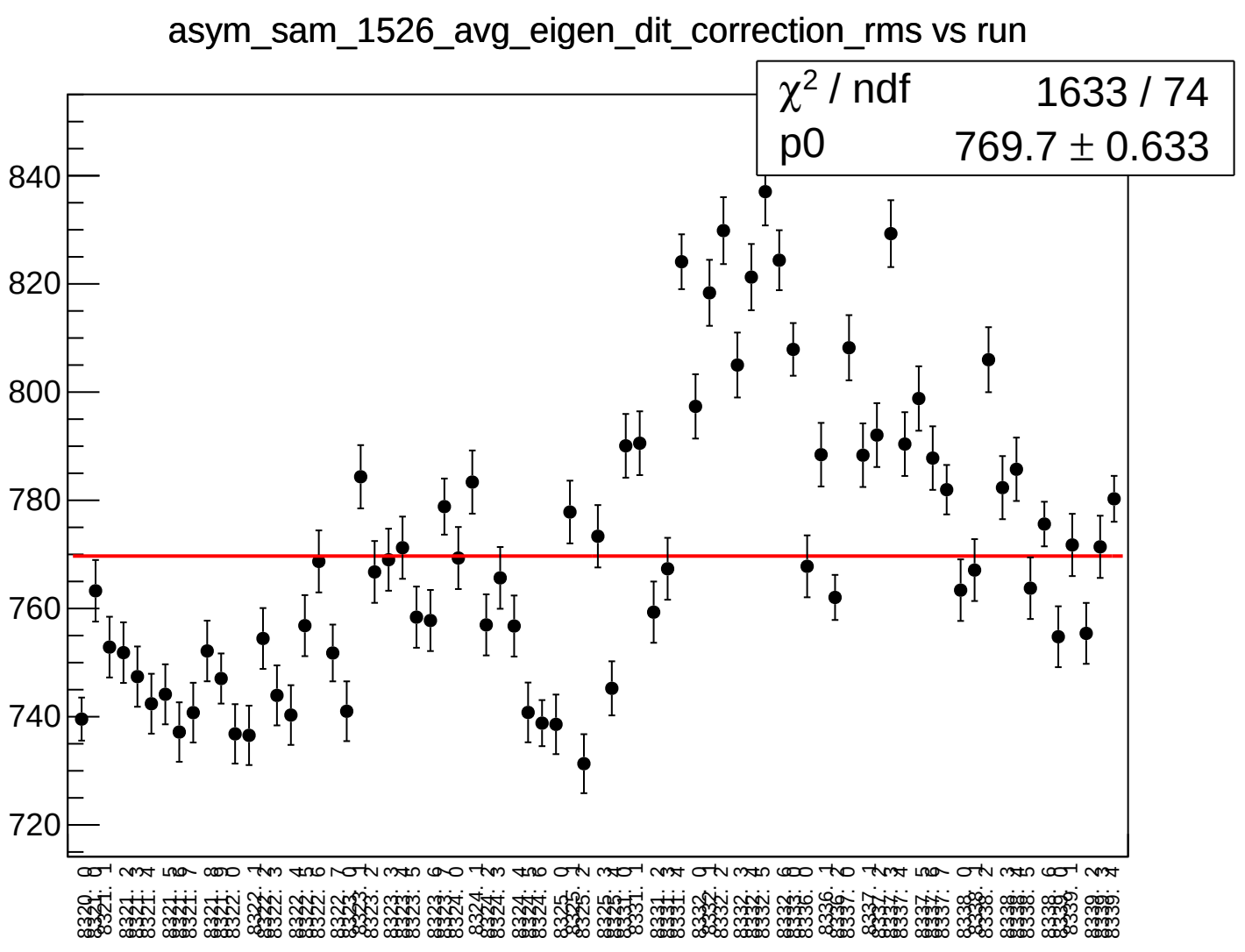

pull1D
Entries 75
Mean −0.005453
Std Dev 1.05

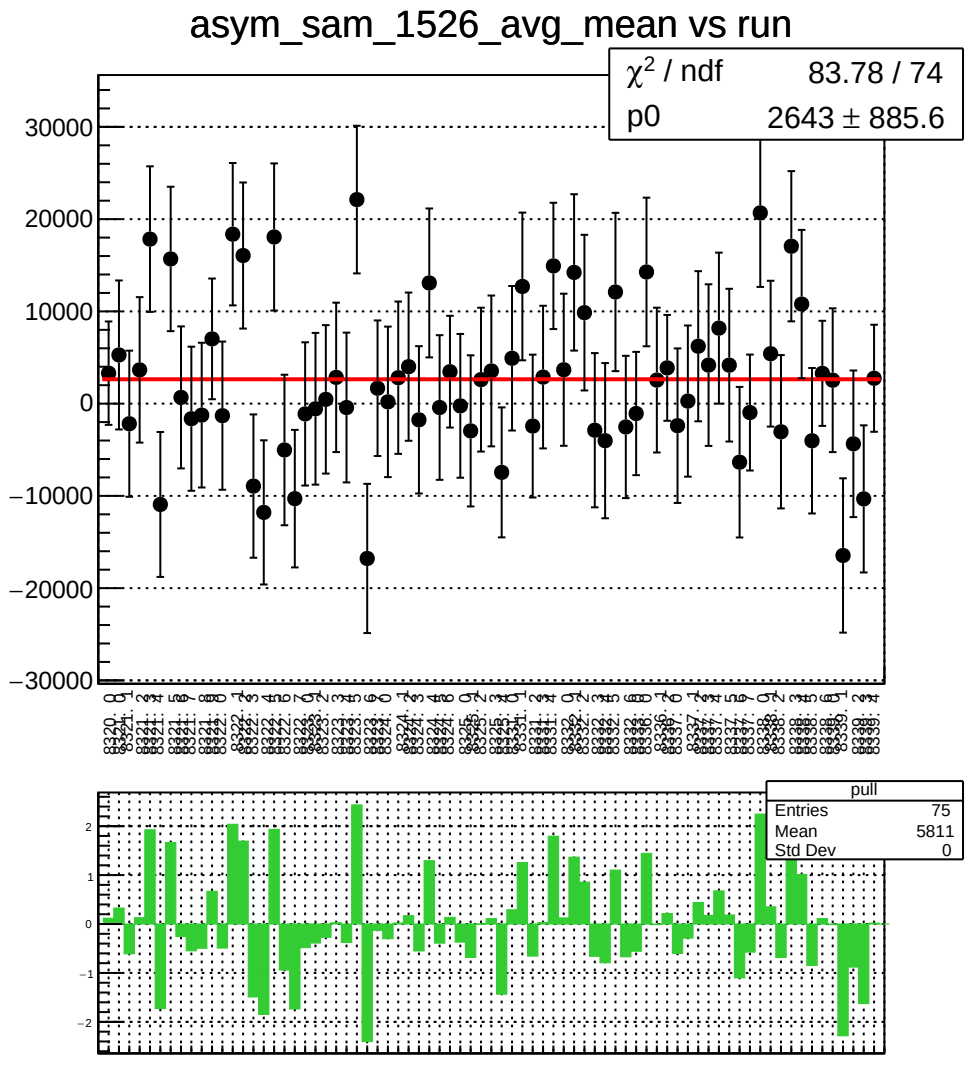

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1633 / 74
p0 769.7 ± 0.633
840
820
800
780
760
740
720

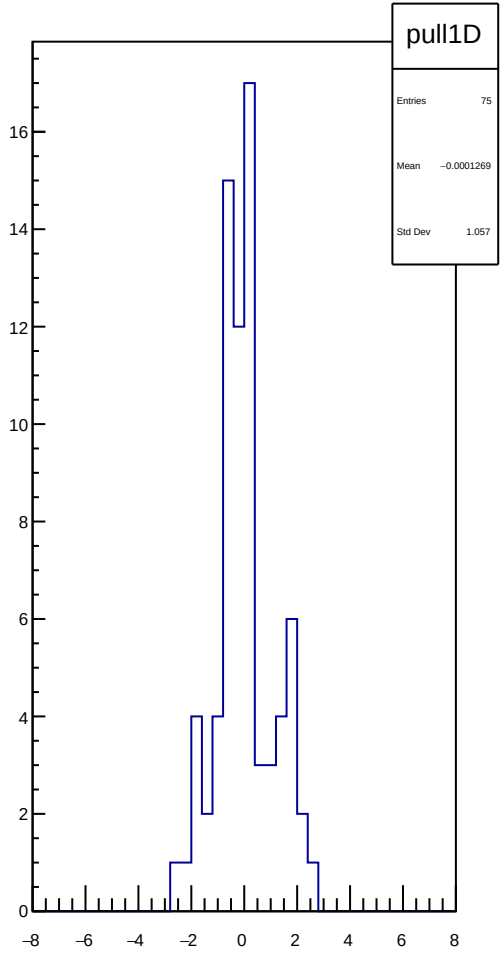

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 80.59 / 74
p0 −132.1± 91.23
pull
Entries 75
Mean 64.73
Std Dev 0
pull1D
Entries 75
Mean −0.02863
Std Dev 1.036

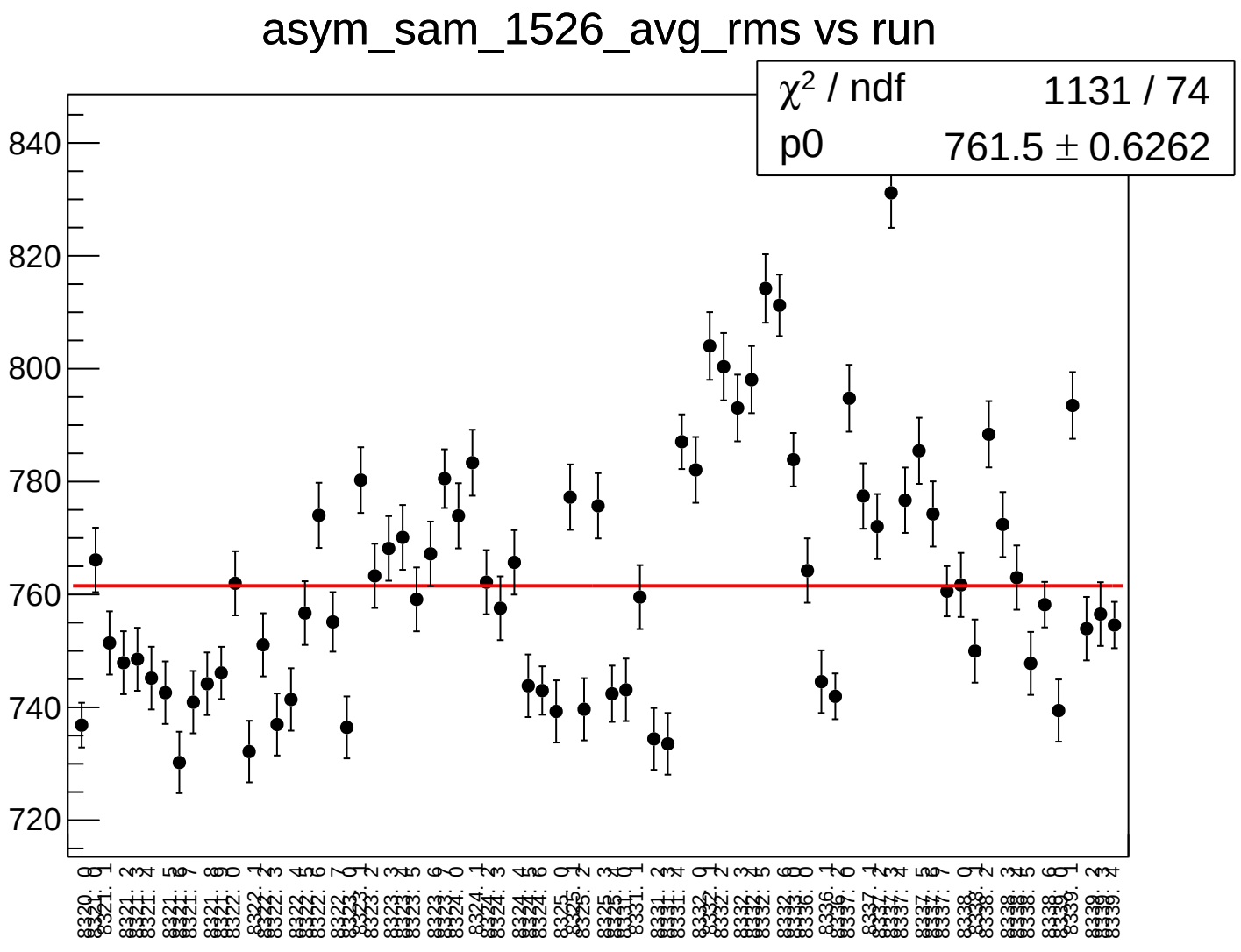

eigen_dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.585e+04 / 74
p0 78.06 ± 0.06451
110
100
90
80
70

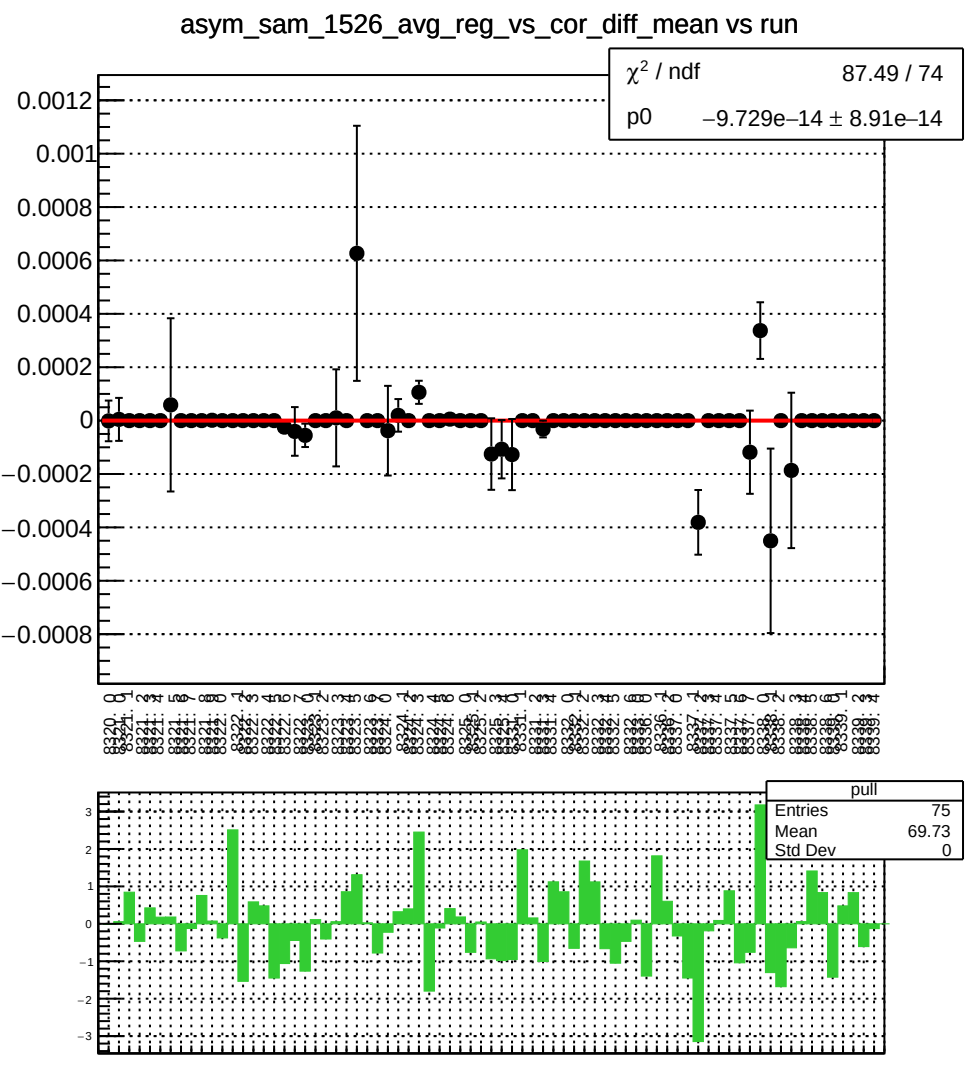

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 82.66 / 74
p0 −2731 ± 895.2
pull
Entries 75
Mean −82.76
Std Dev 0
pull1D
Entries 75
Mean −0.005453
Std Dev 1.05

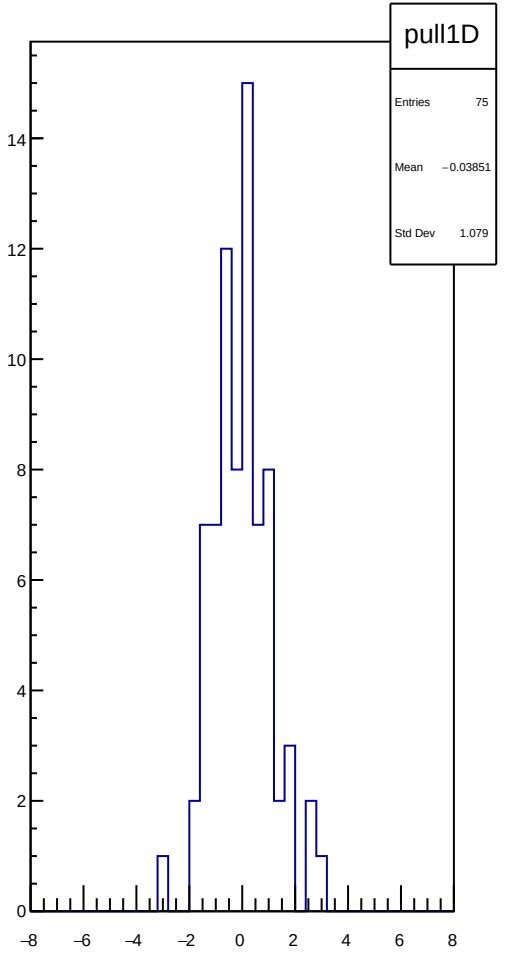

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1633 / 74
p0 769.7 ± 0.633
840
820
800
780
760
740
720

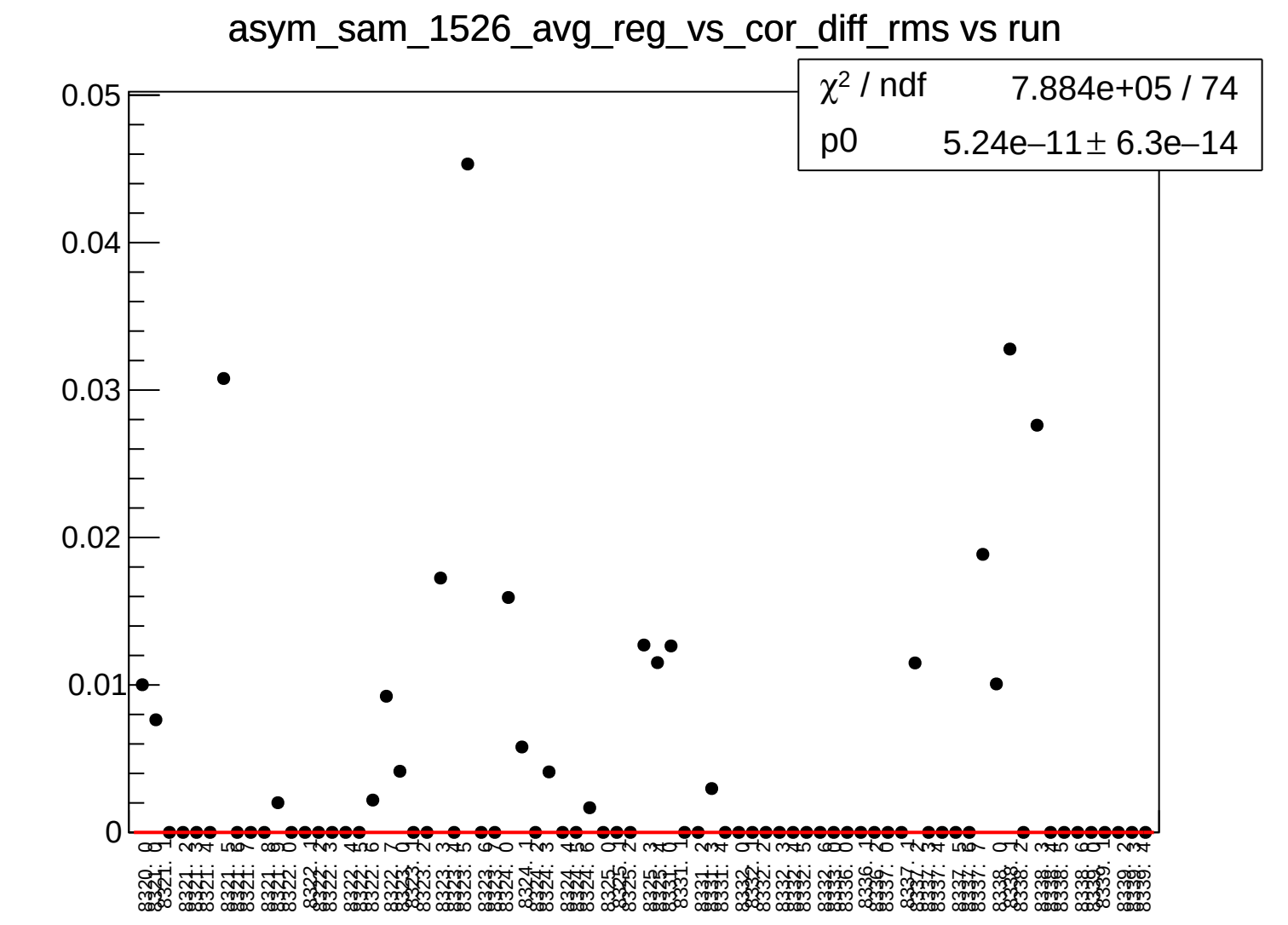

asym_sam_1526_avg_mean vs run
χ² / ndf 83.78 / 74
p0 2643 ± 885.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 75
Mean 5811
Std Dev 0
2
1
0
−1
−2

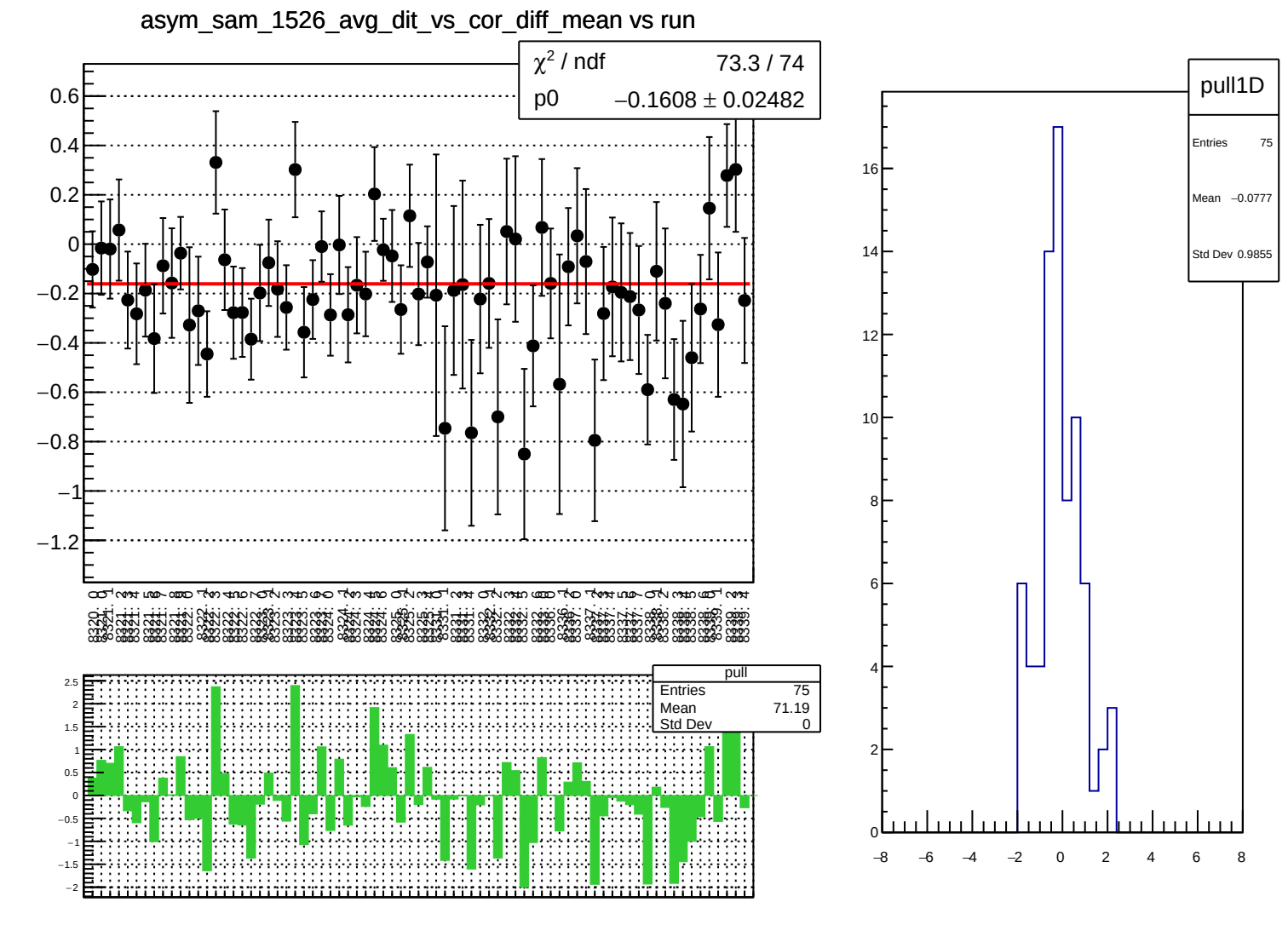

pull1D
Entries 75
Mean −0.0001269
Std Dev 1.057
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

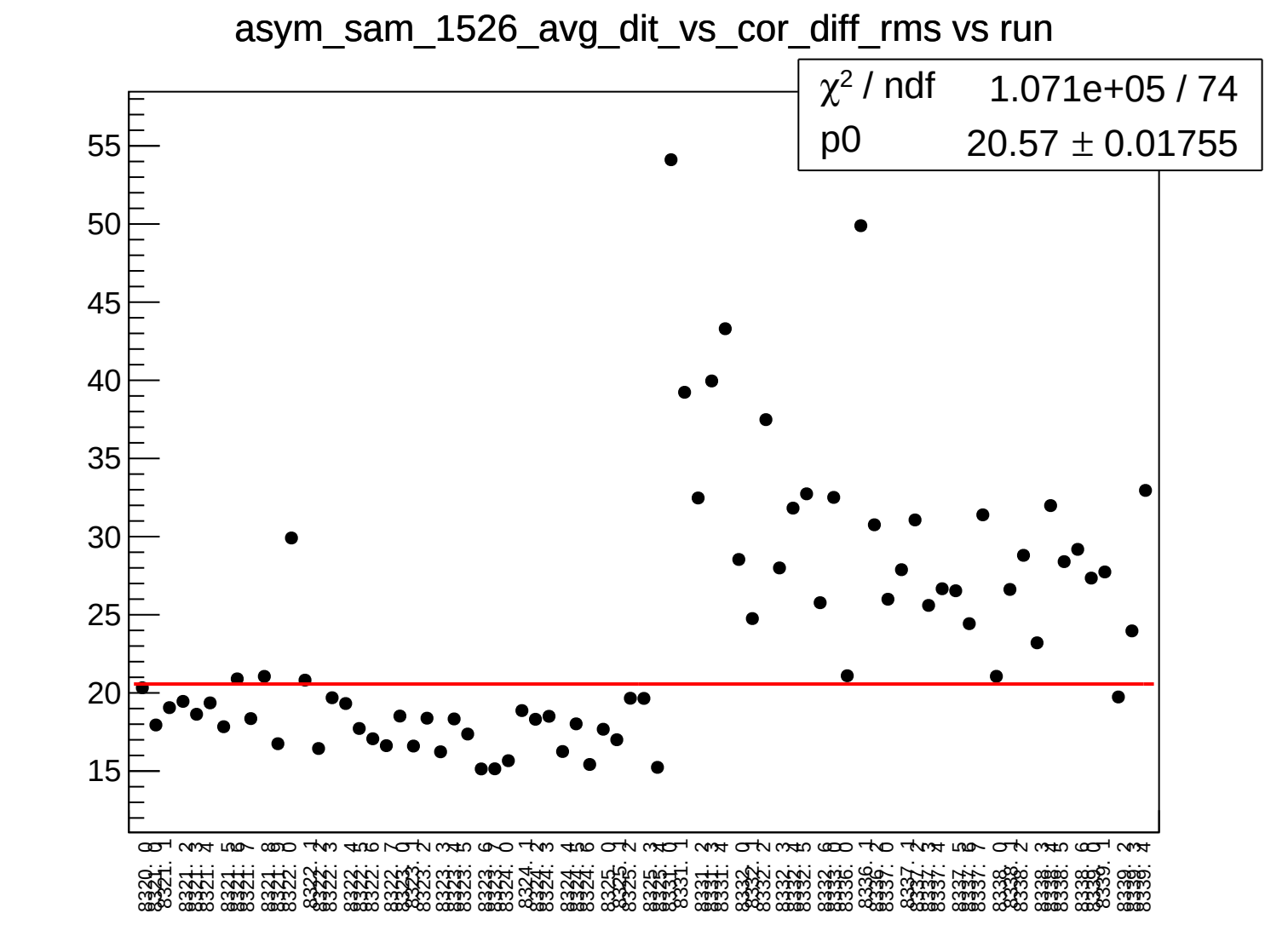

asym_sam_1526_avg_rms vs run
χ² / ndf 1131 / 74
p0 761.5 ± 0.6262
840
820
800
780
760
740
720

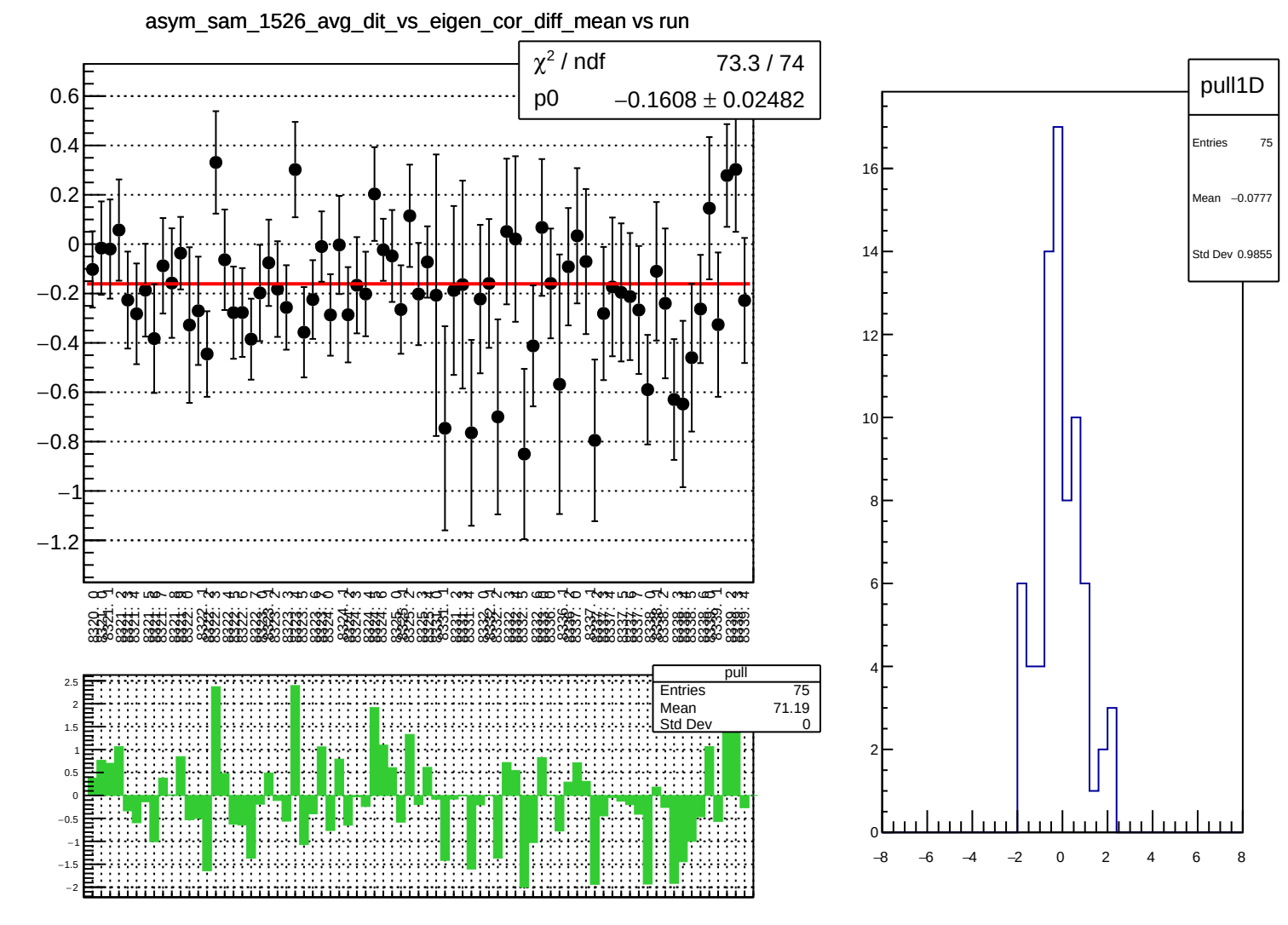

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 87.49 / 74
p0 −9.729e−14 ± 8.91e−14
pull
Entries 75
Mean 69.73
Std Dev 0

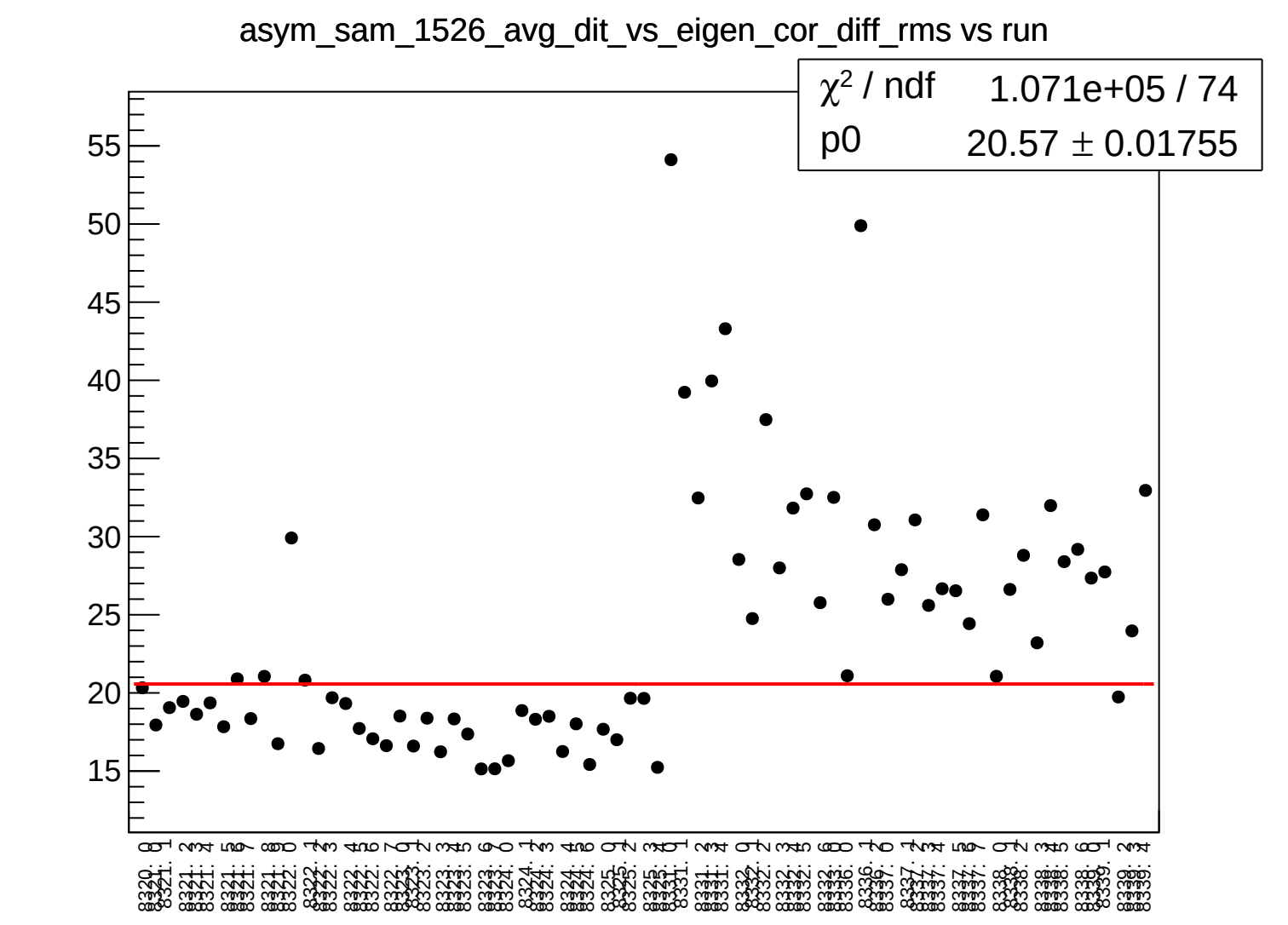

pull1D
Entries 75
Mean −0.03851
Std Dev 1.079

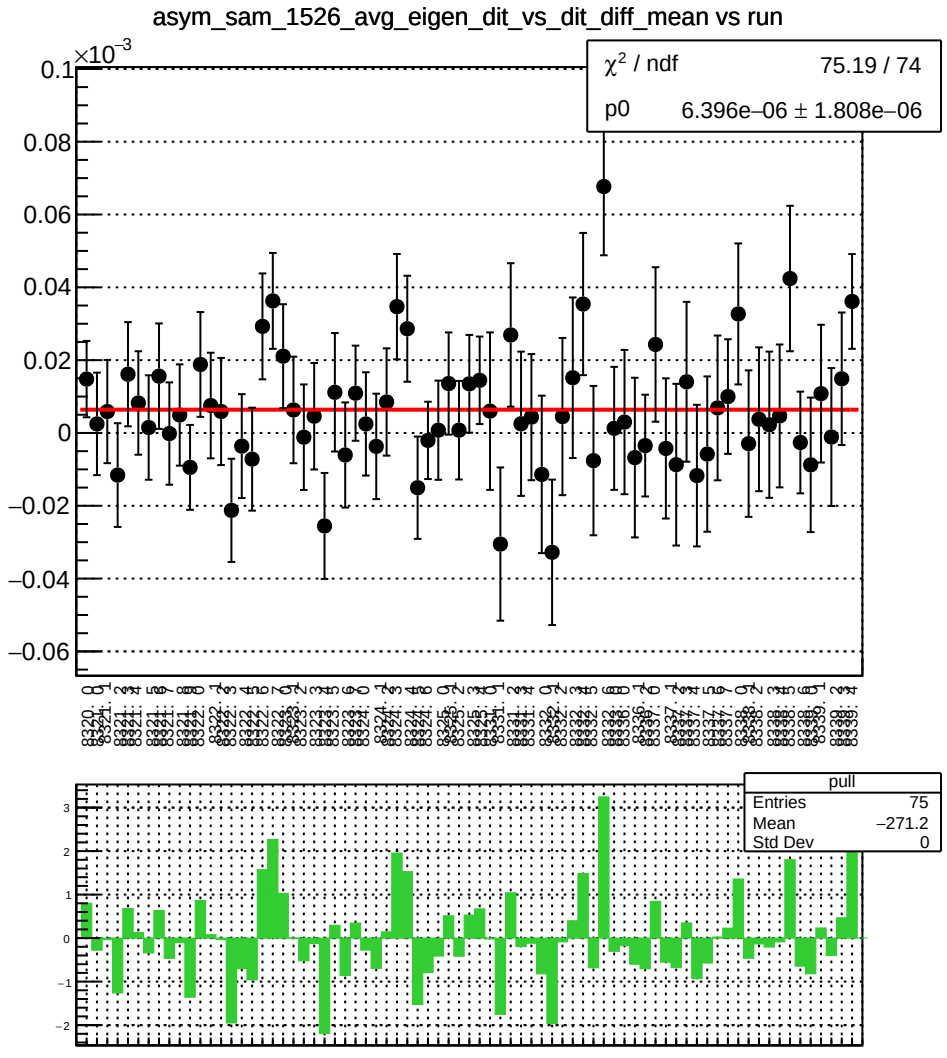

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.884e+05 / 74
p0 5.24e−11 ± 6.3e−14
0.05
0.04
0.03
0.02
0.01
0

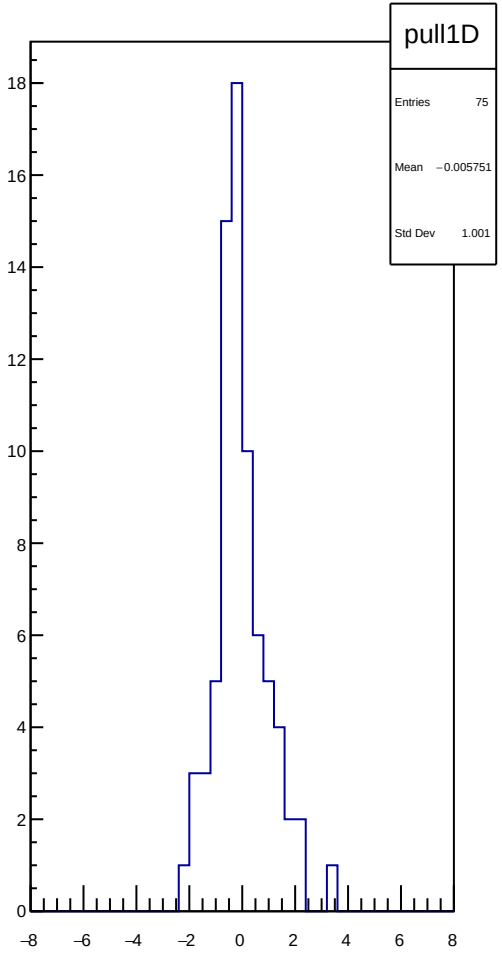

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 73.3 / 74
p0 −0.1608 ± 0.02482
pull
Entries 75
Mean 71.19
Std Dev 0
pull1D
Entries 75
Mean −0.0777
Std Dev 0.9855

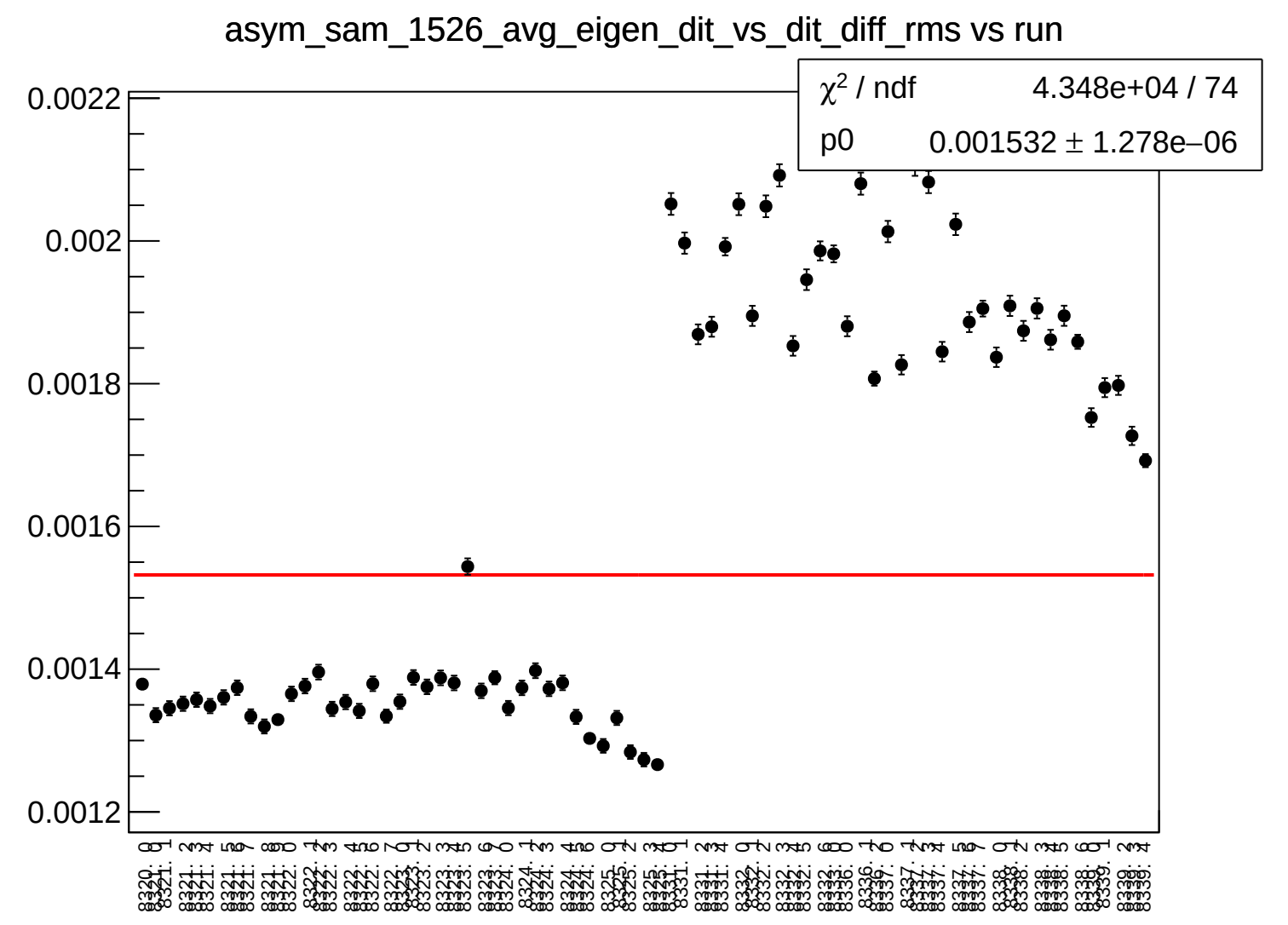

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.071e+05 / 74
p0 20.57 ± 0.01755
55
50
45
40
35
30
25
20
15

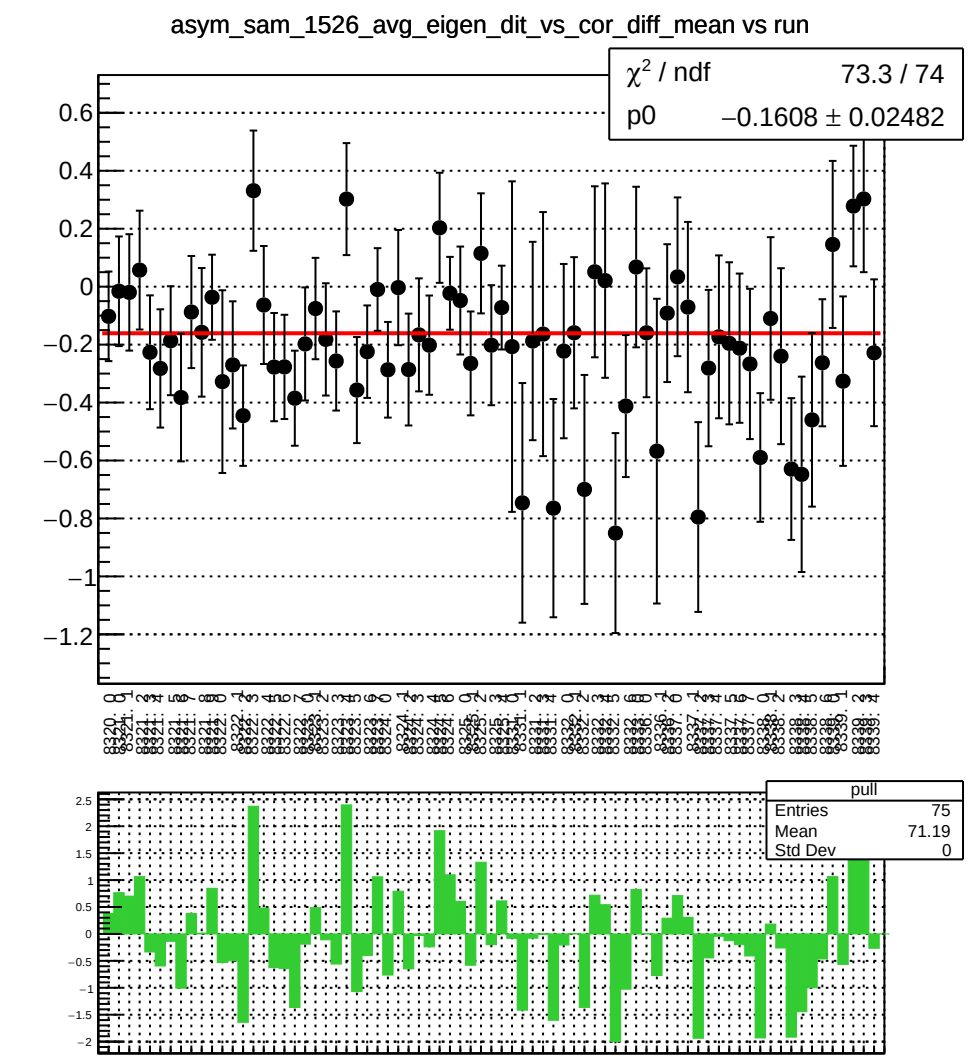

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.3 / 74
p0 −0.1608 ± 0.02482
pull
Entries 75
Mean 71.19
Std Dev 0
pull1D
Entries 75
Mean −0.0777
Std Dev 0.9855

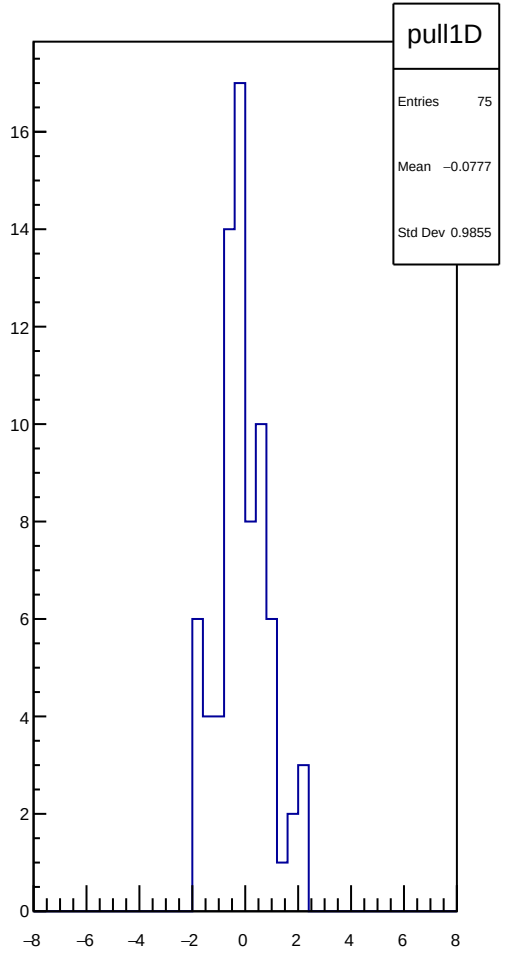

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.071e+05 / 74
p0 20.57 ± 0.01755
55
50
45
40
35
30
25
20
15

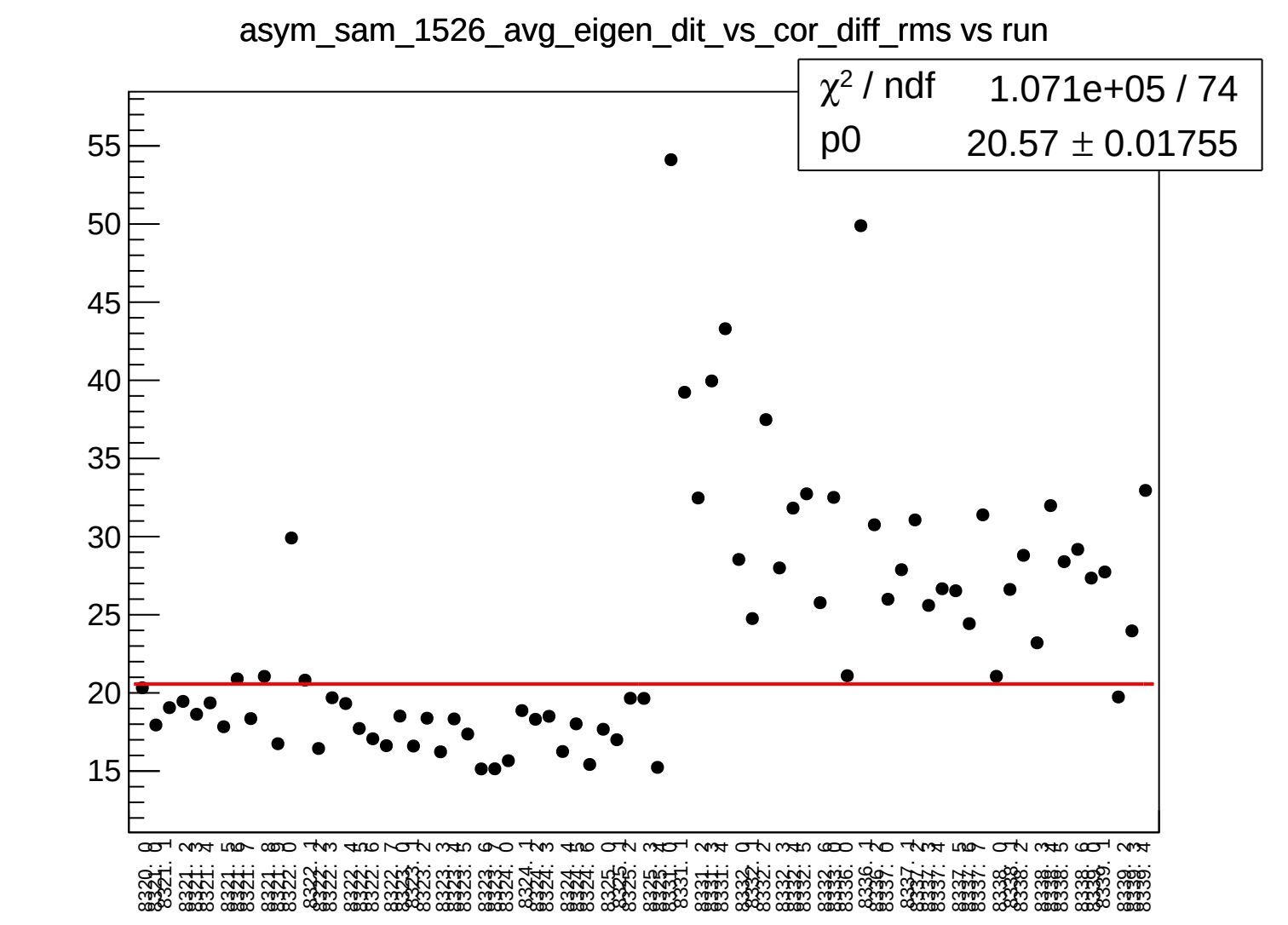

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 75.19 / 74
p0 6.396e−06 ± 1.808e−06
pull
Entries 75
Mean −271.2
Std Dev 0

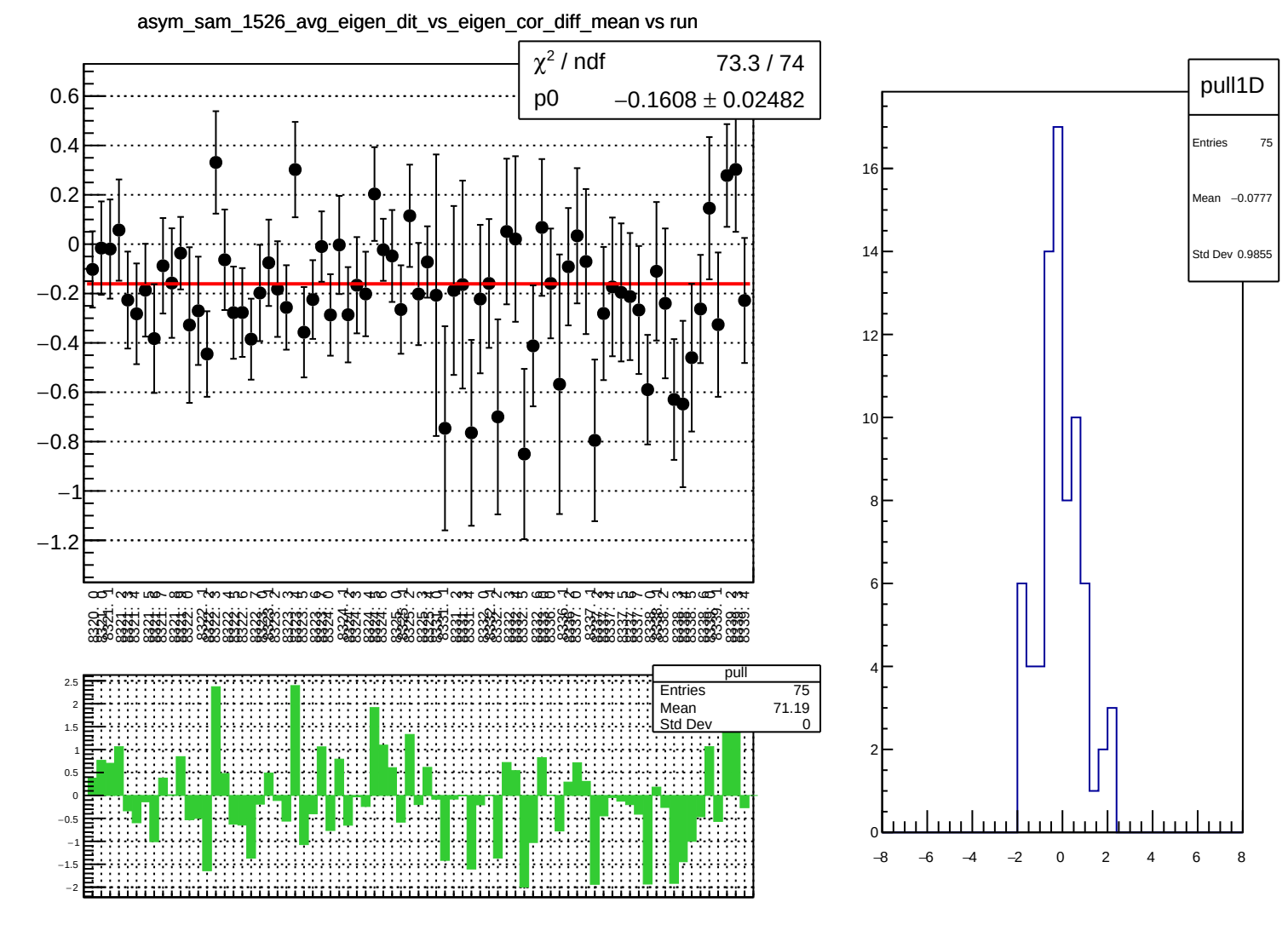

pull1D
Entries 75
Mean −0.005751
Std Dev 1.001

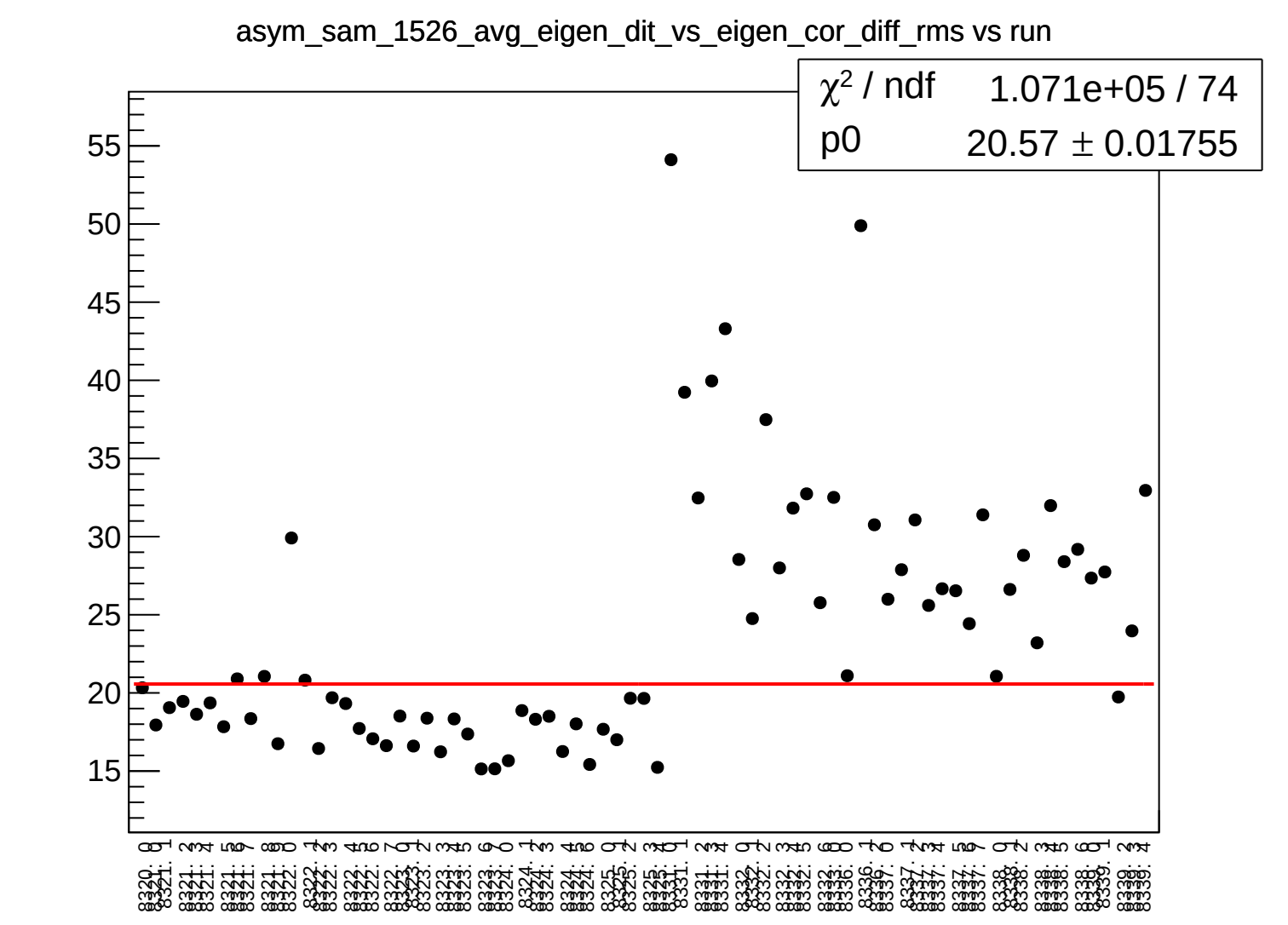

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4.348e+04 / 74
p0 0.001532 ± 1.278e−06
0.0022
0.002
0.0018
0.0016
0.0014
0.0012

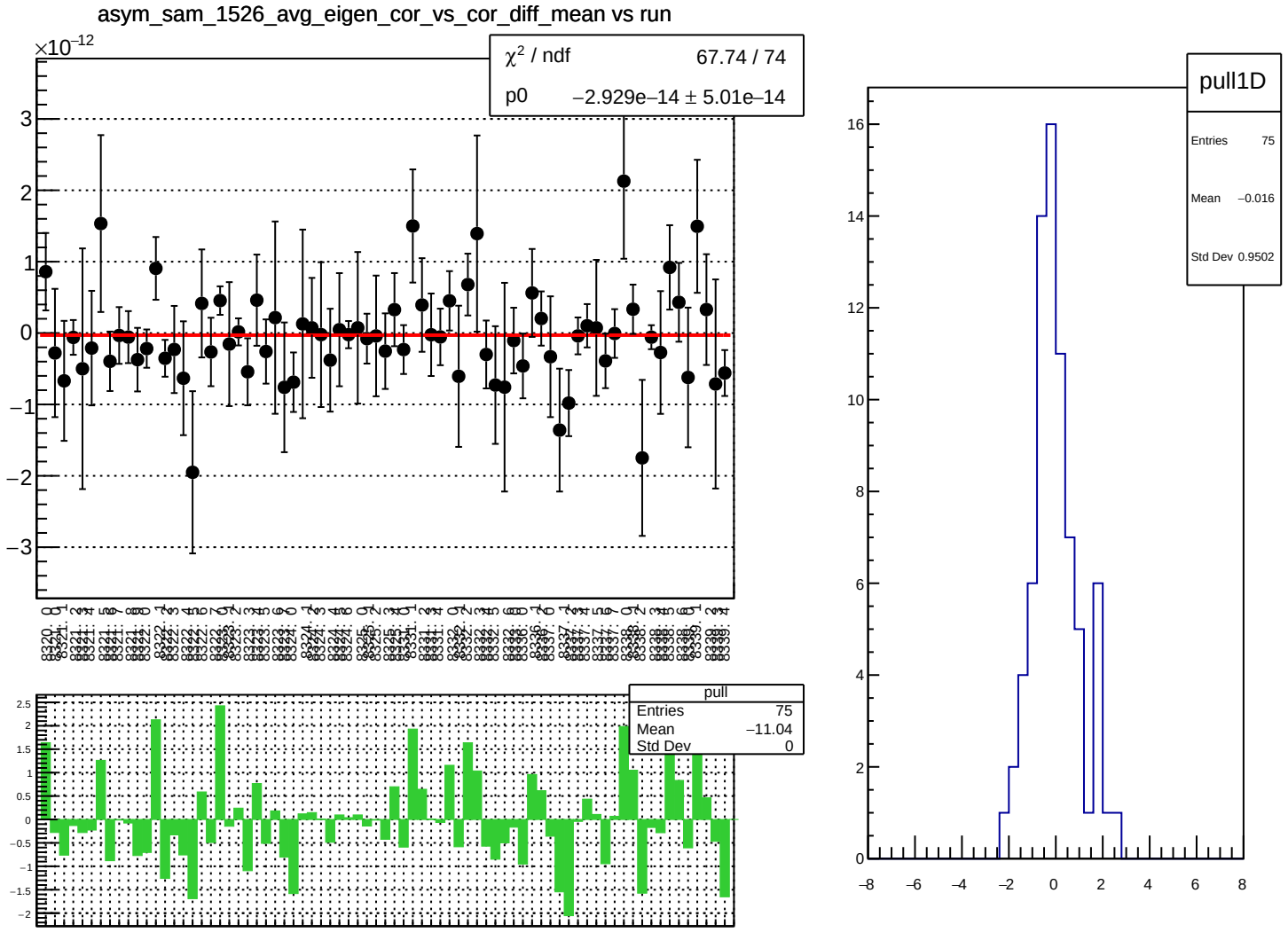

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.3 / 74
p0 −0.1608 ± 0.02482
pull
Entries 75
Mean 71.19
Std Dev 0

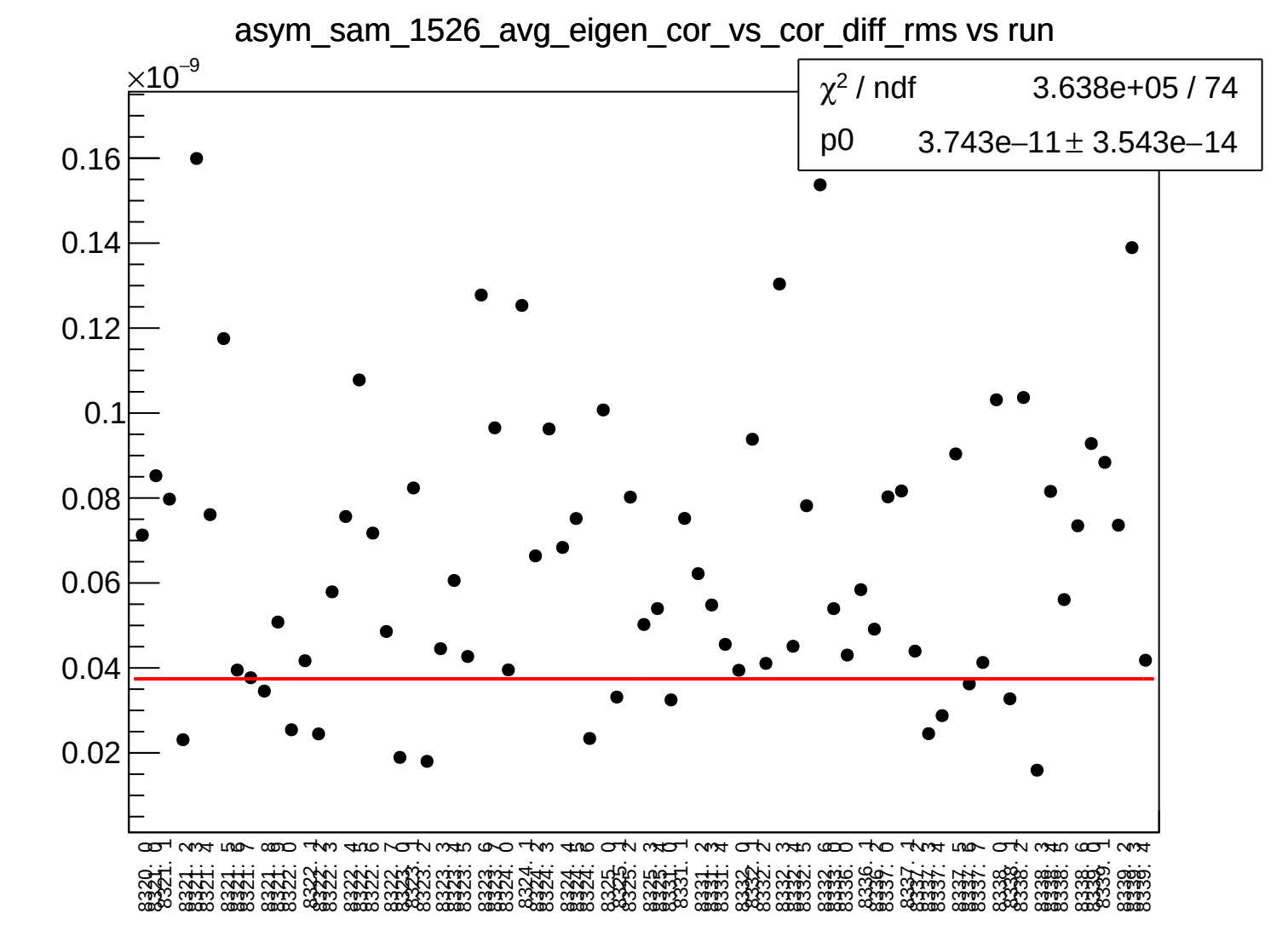

pull1D
Entries 75
Mean −0.0777
Std Dev 0.9855

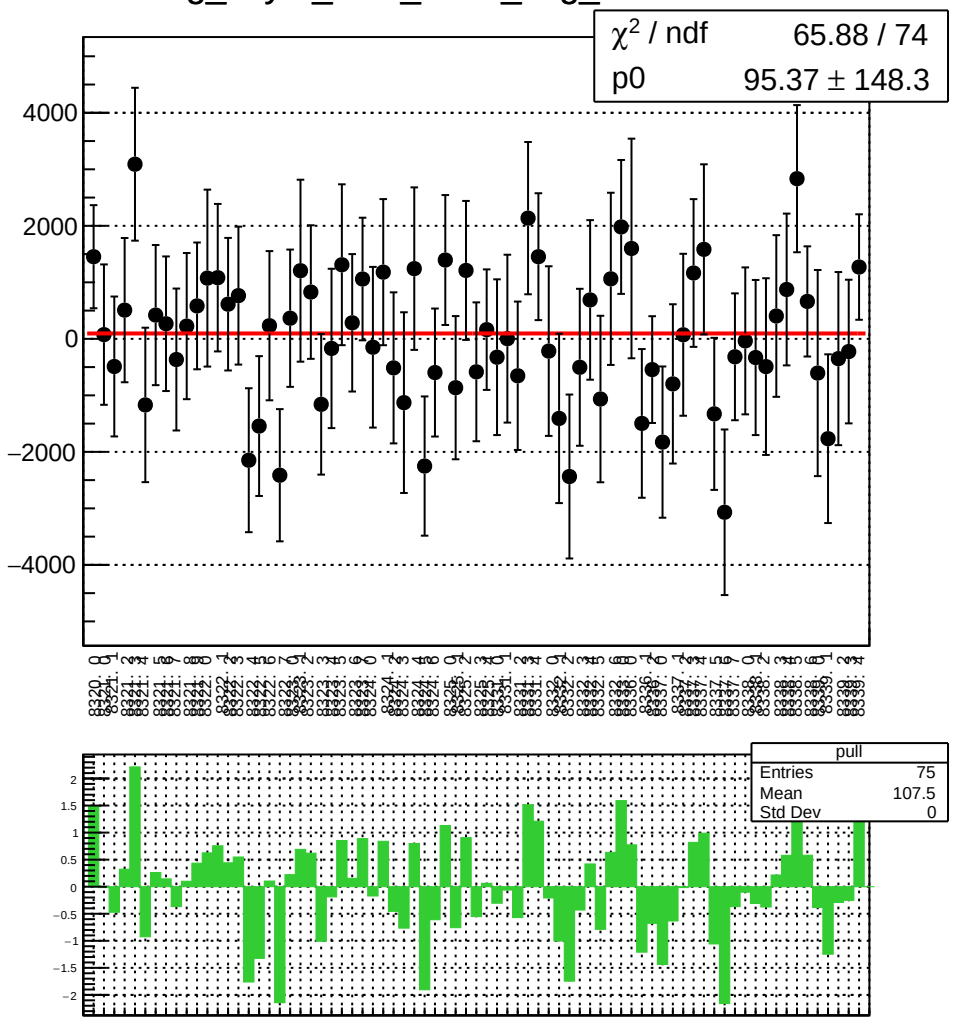

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.071e+05 / 74
p0 20.57 ± 0.01755
55
50
45
40
35
30
25
20
15

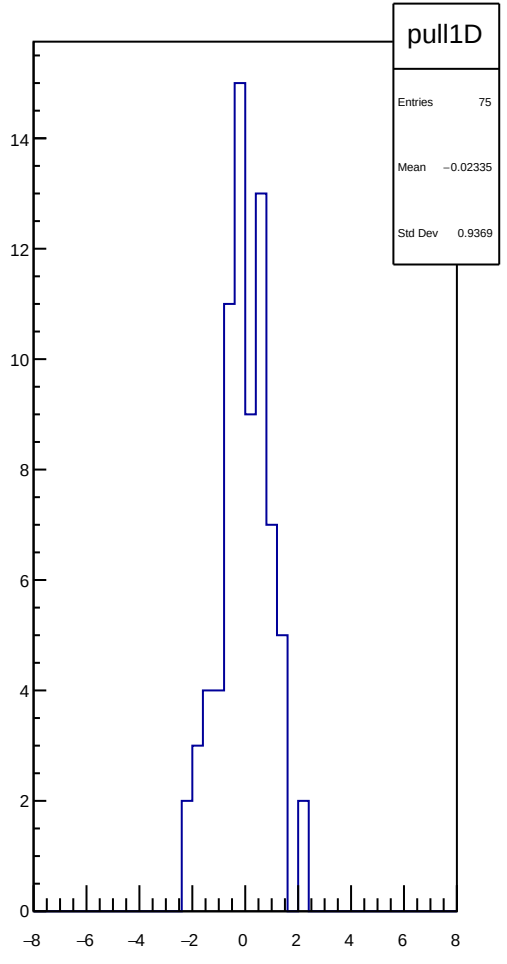

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.3 / 74
p0 −0.1608 ± 0.02482
pull
Entries 75
Mean 71.19
Std Dev 0
pull1D
Entries 75
Mean −0.0777
Std Dev 0.9855

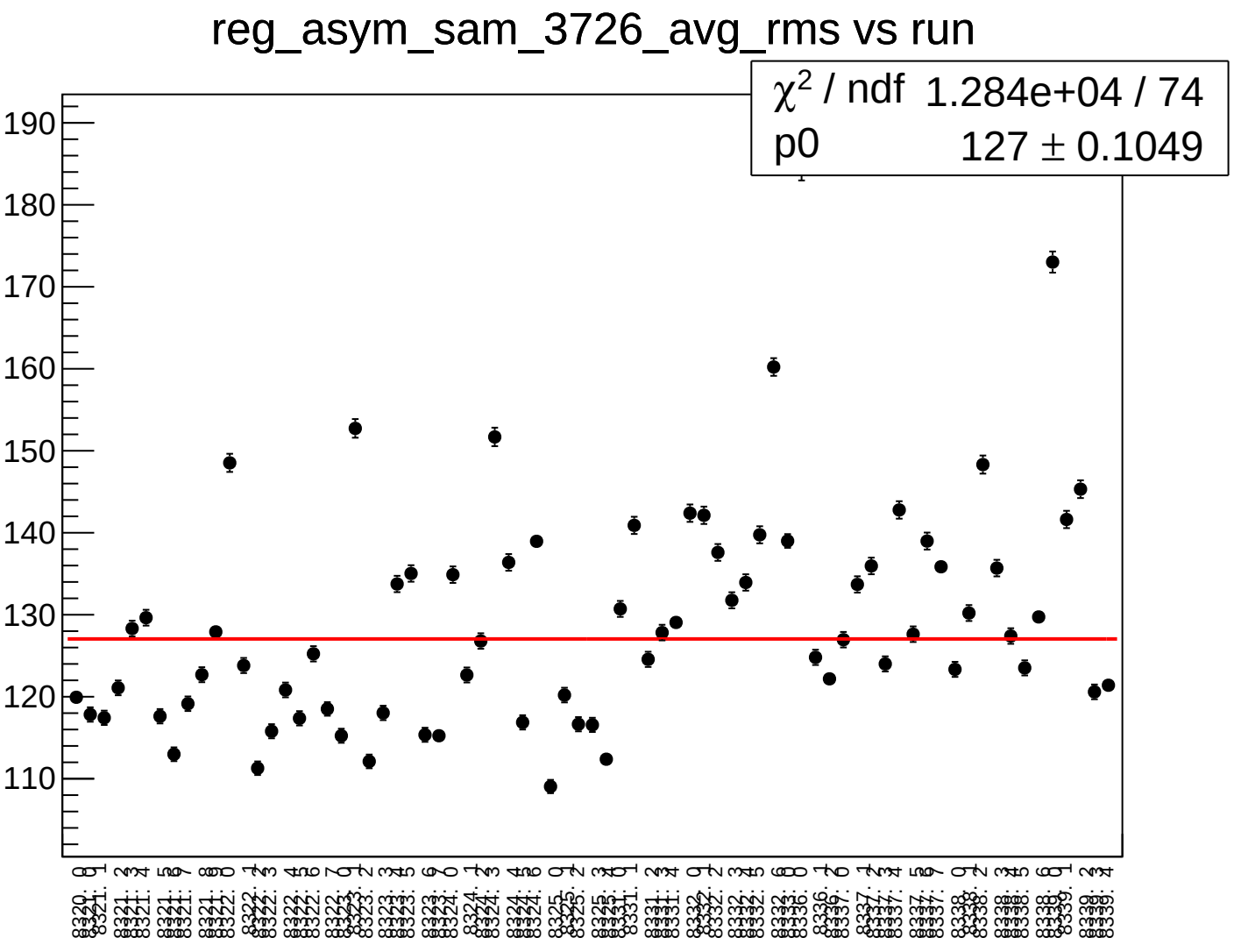

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.071e+05 / 74
p0 20.57 ± 0.01755
55
50
45
40
35
30
25
20
15

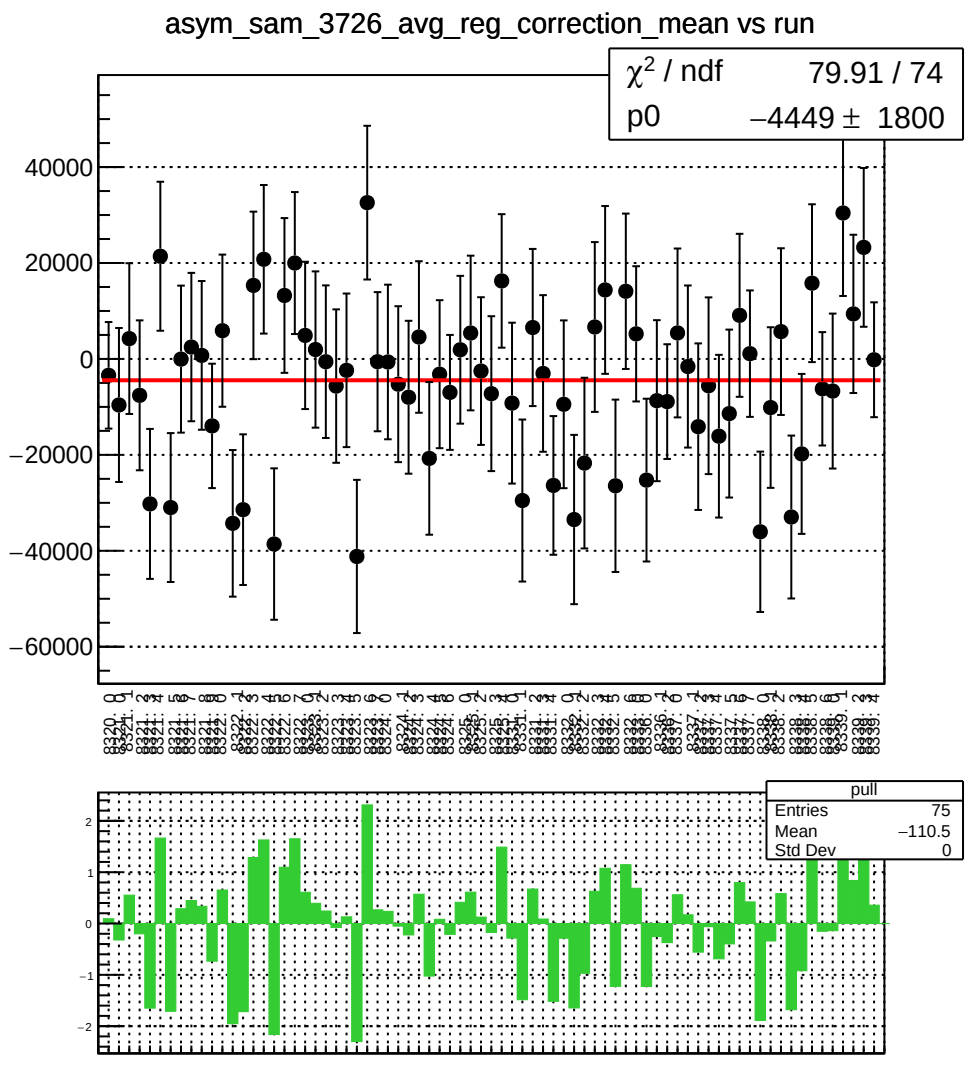

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 67.74 / 74
p0 −2.929e−14 ± 5.01e−14
pull
Entries 75
Mean −11.04
Std Dev 0
pull1D
Entries 75
Mean −0.016
Std Dev 0.9502

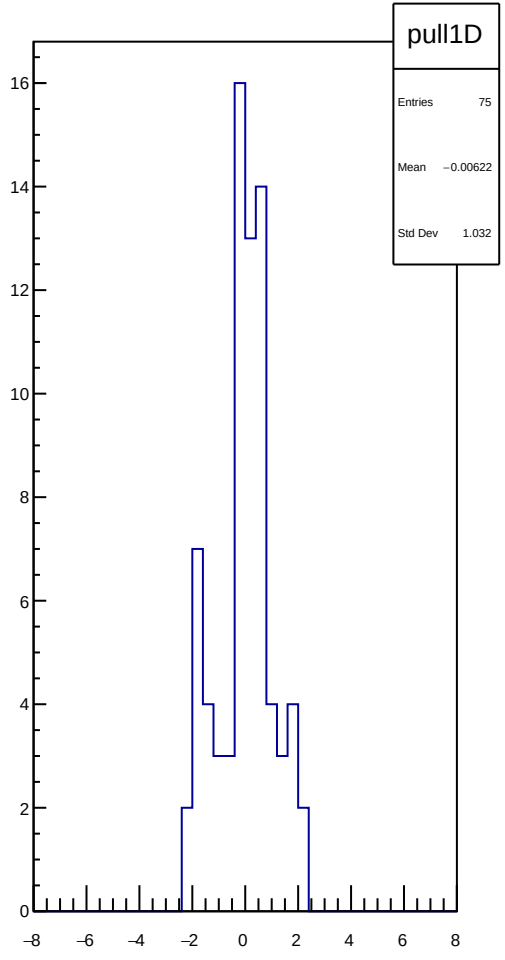

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.638e+05 / 74
p0 3.743e−11 ± 3.543e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

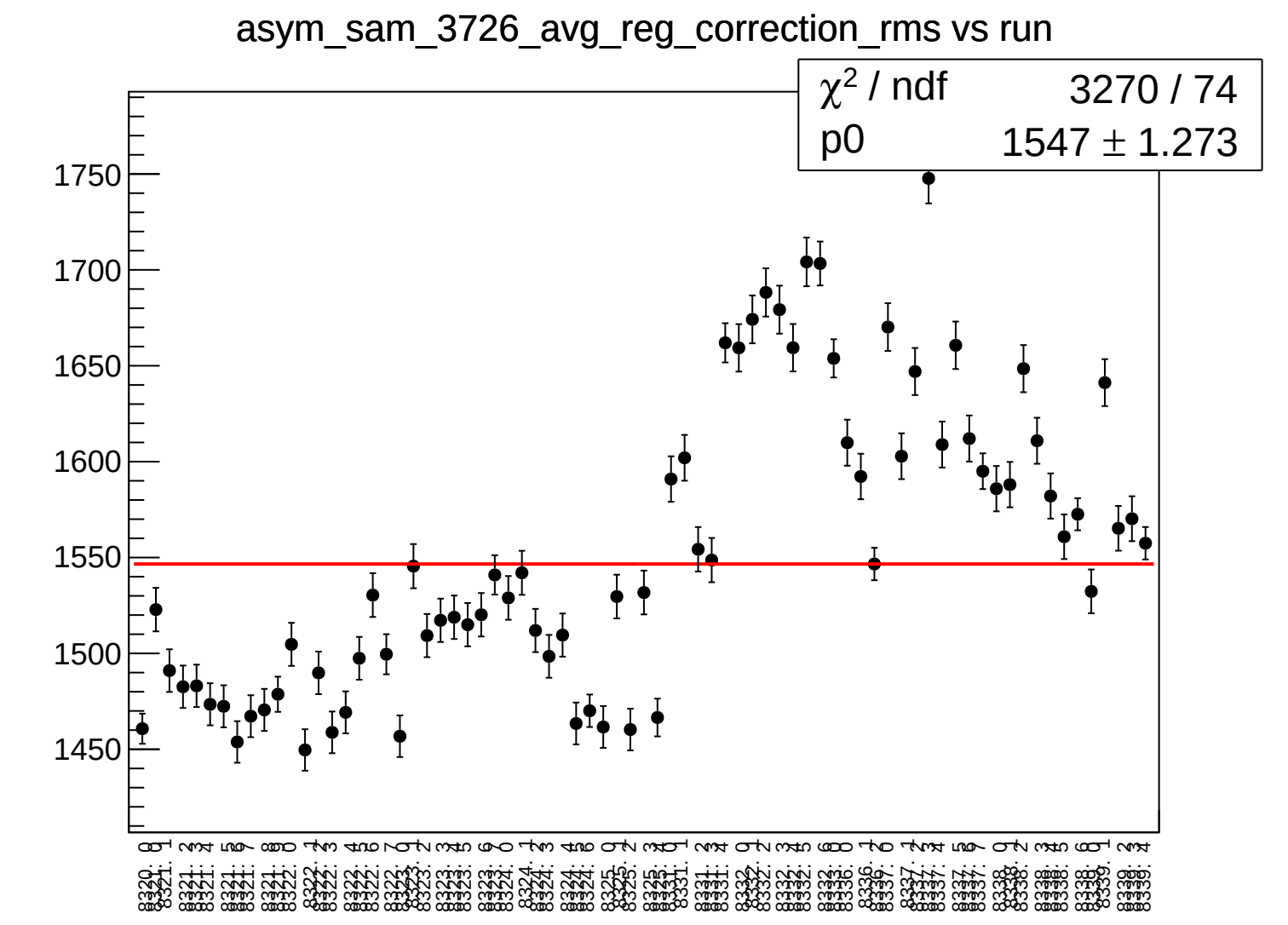

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 65.88 / 74
p0 95.37 ± 148.3
4000
2000
0
−2000
−4000
pull
Entries 75
Mean 107.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

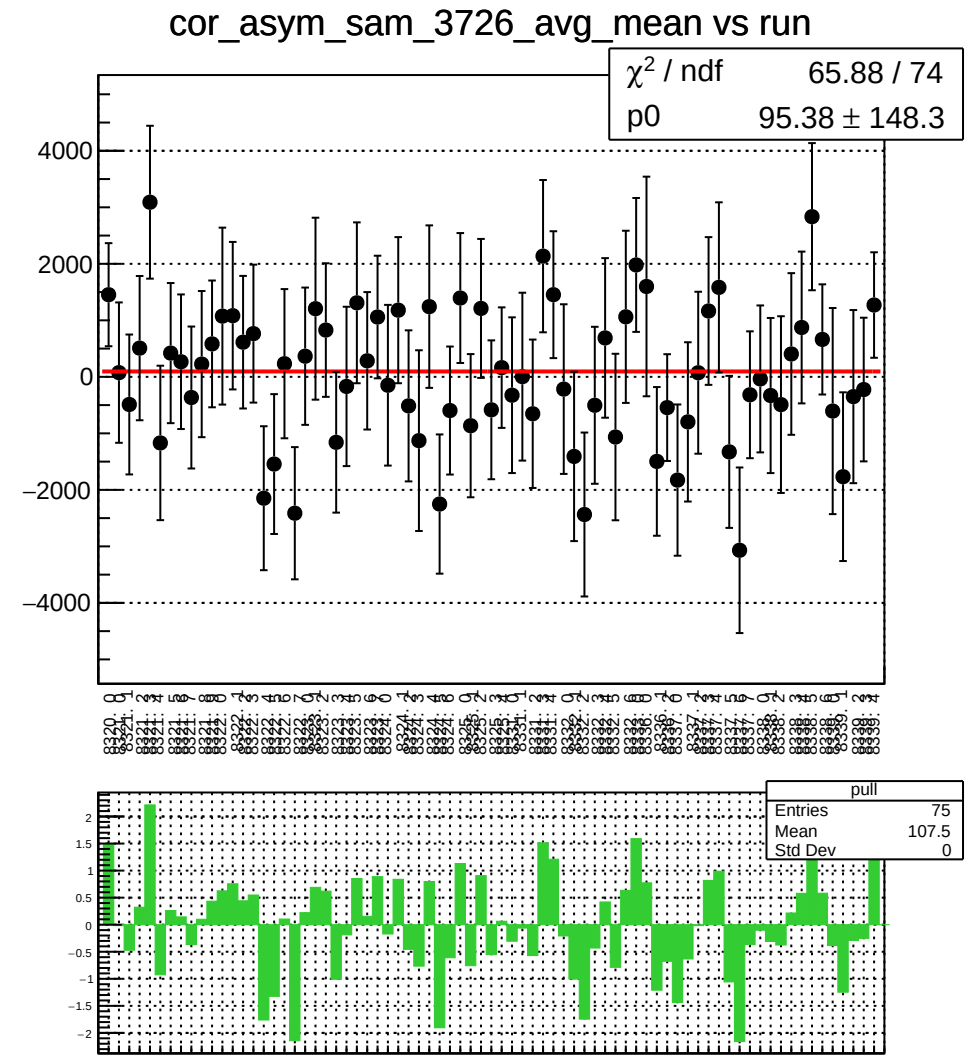

pull1D
Entries 75
Mean −0.02335
Std Dev 0.9369
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

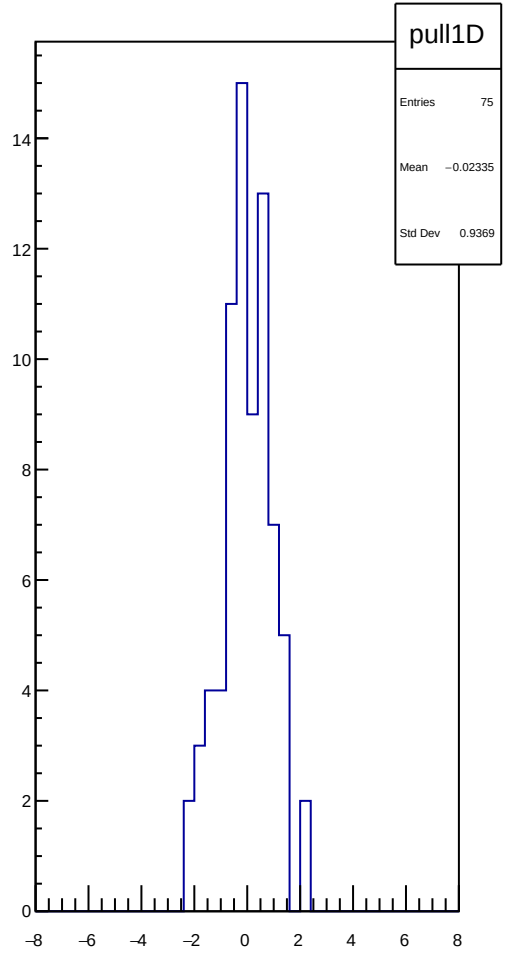

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.284e+04 / 74
p0 127 ± 0.1049
190
180
170
160
150
140
130
120
110

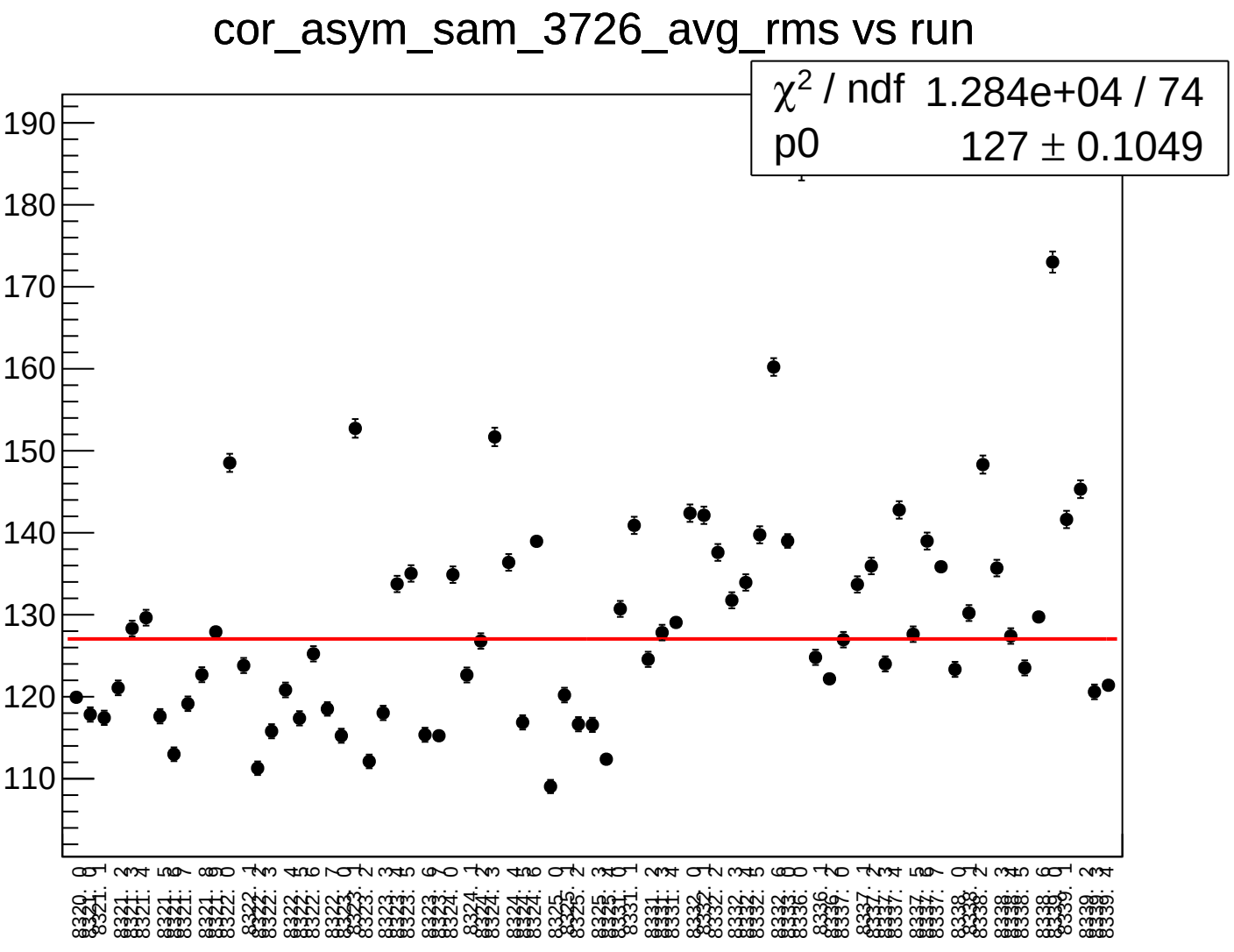

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 79.91 / 74
p0 −4449 ± 1800
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −110.5
Std Dev 0
2
1
0
−1
−2

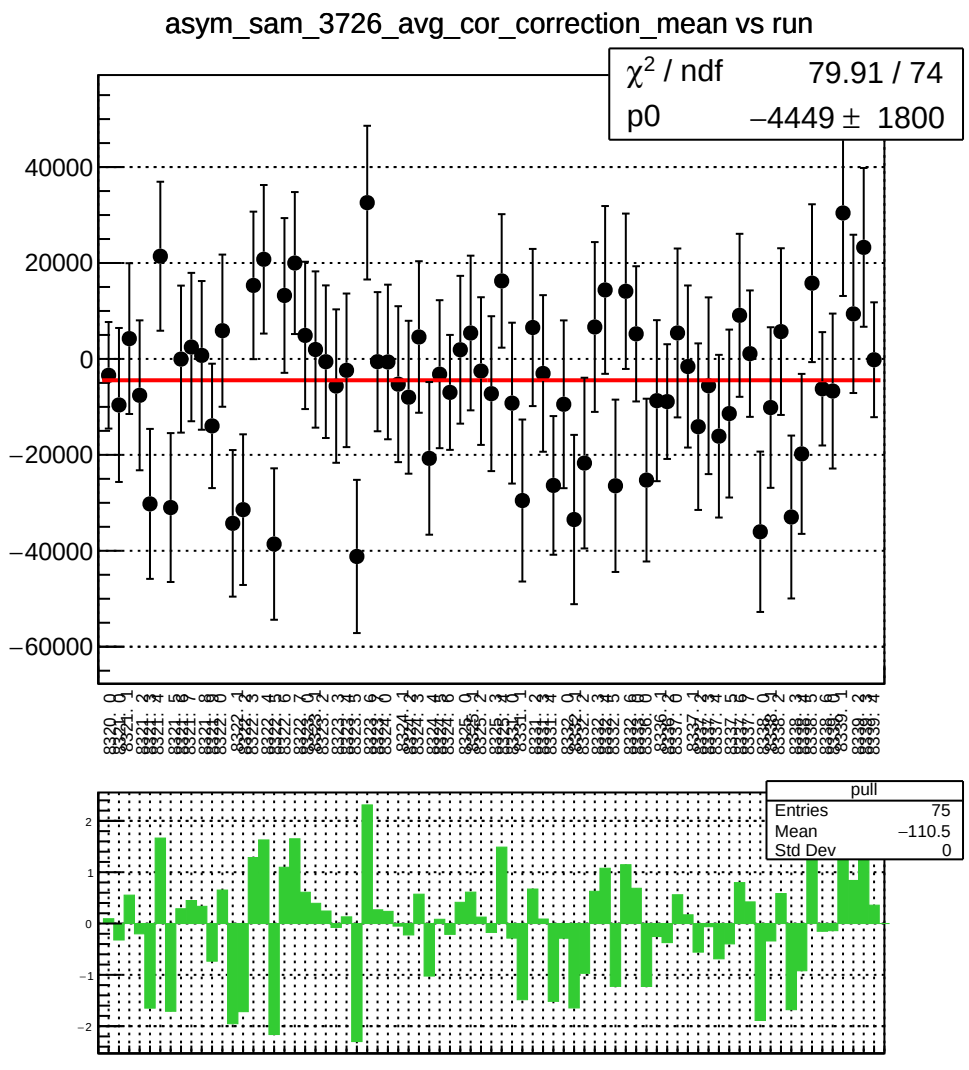

pull1D
Entries 75
Mean −0.00622
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

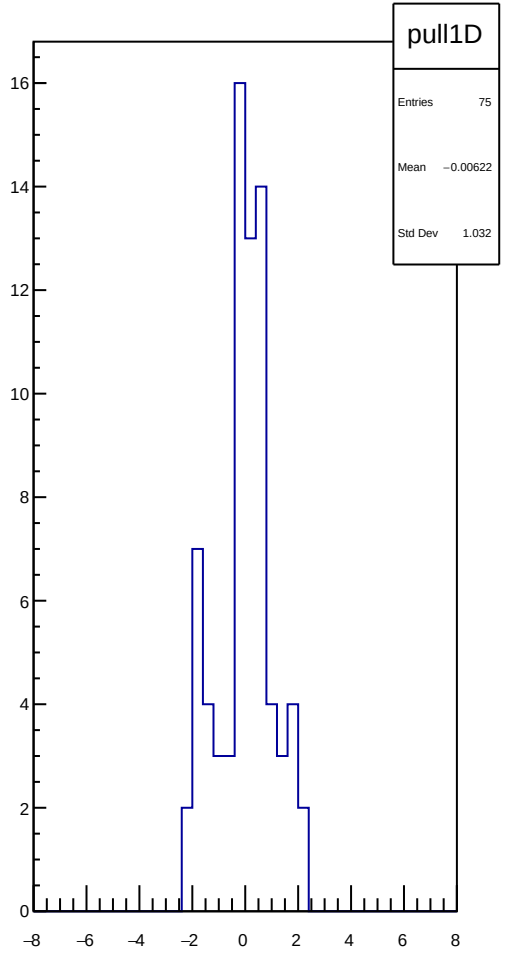

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 3270 / 74
p0 1547 ± 1.273
1750
1700
1650
1600
1550
1500
1450

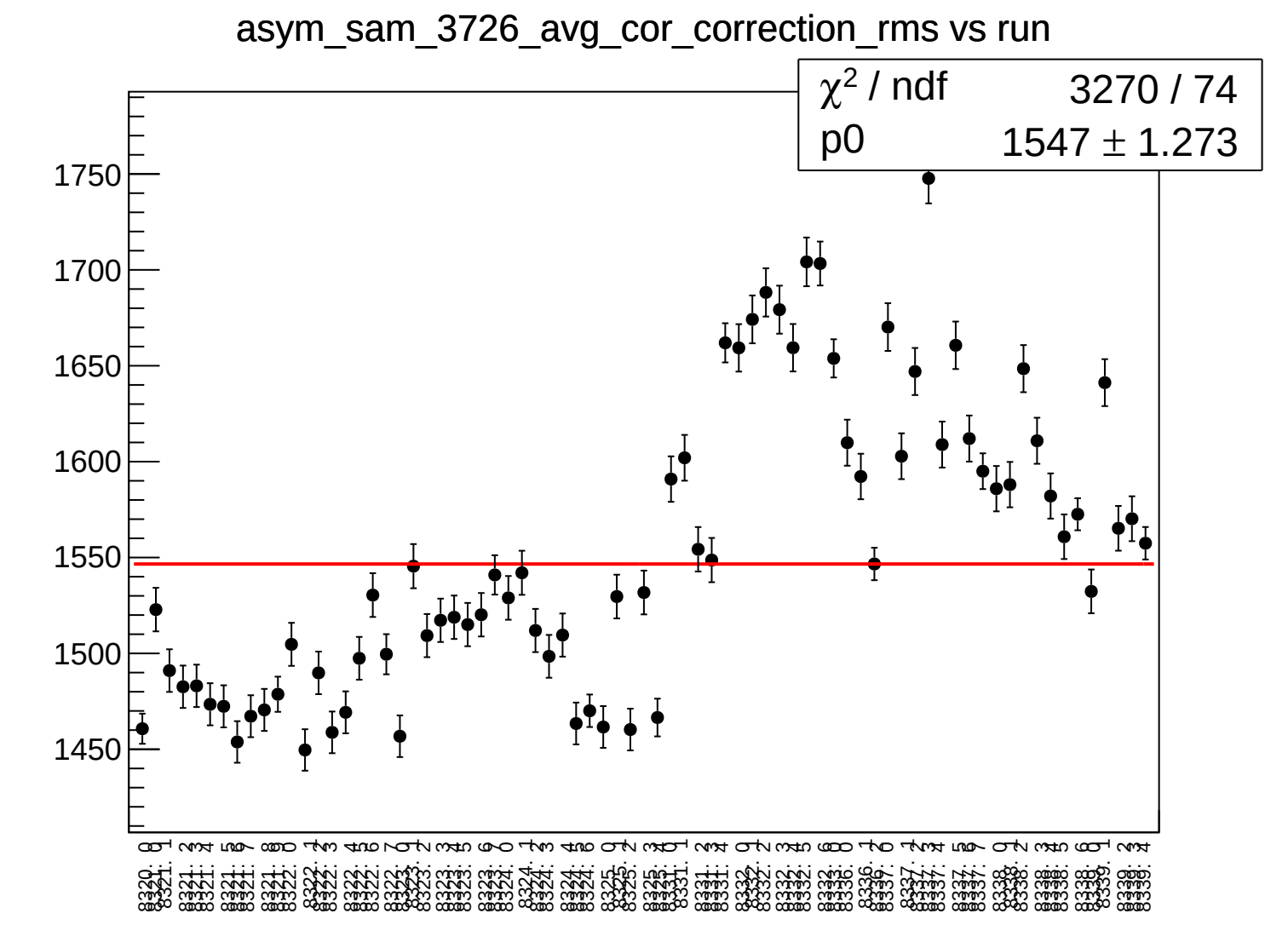

cor_asym_sam_3726_avg_mean vs run
χ² / ndf 65.88 / 74
p0 95.38 ± 148.3
4000
2000
0
−2000
−4000
pull
Entries 75
Mean 107.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

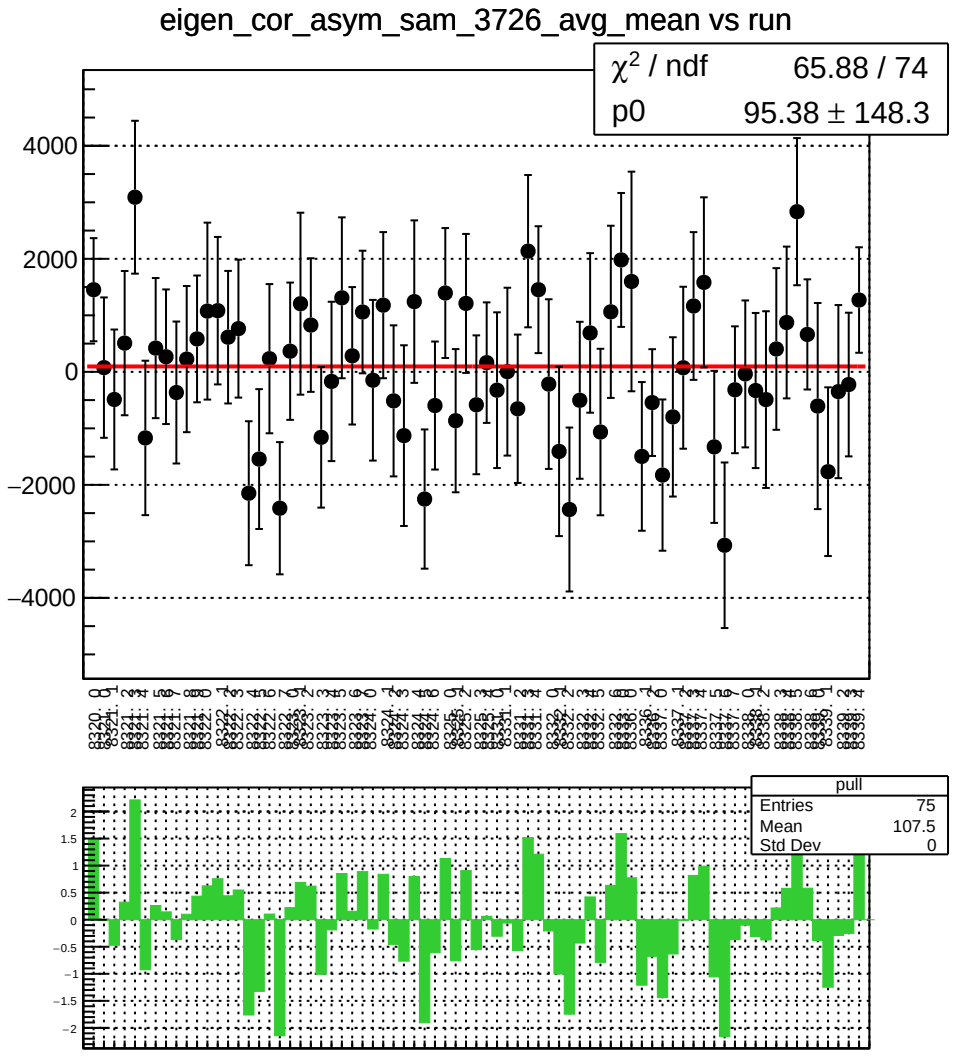

pull1D
Entries 75
Mean −0.02335
Std Dev 0.9369
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

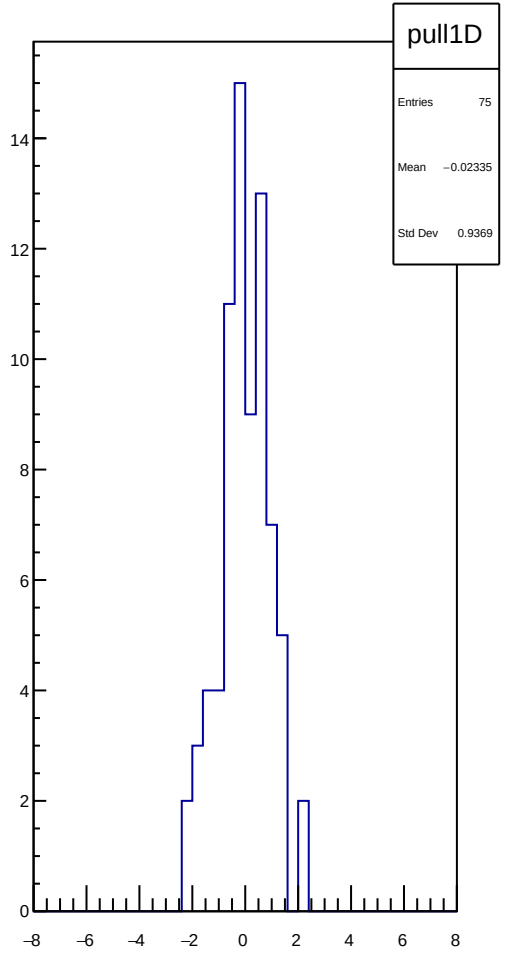

cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.284e+04 / 74
p0 127 ± 0.1049
190
180
170
160
150
140
130
120
110

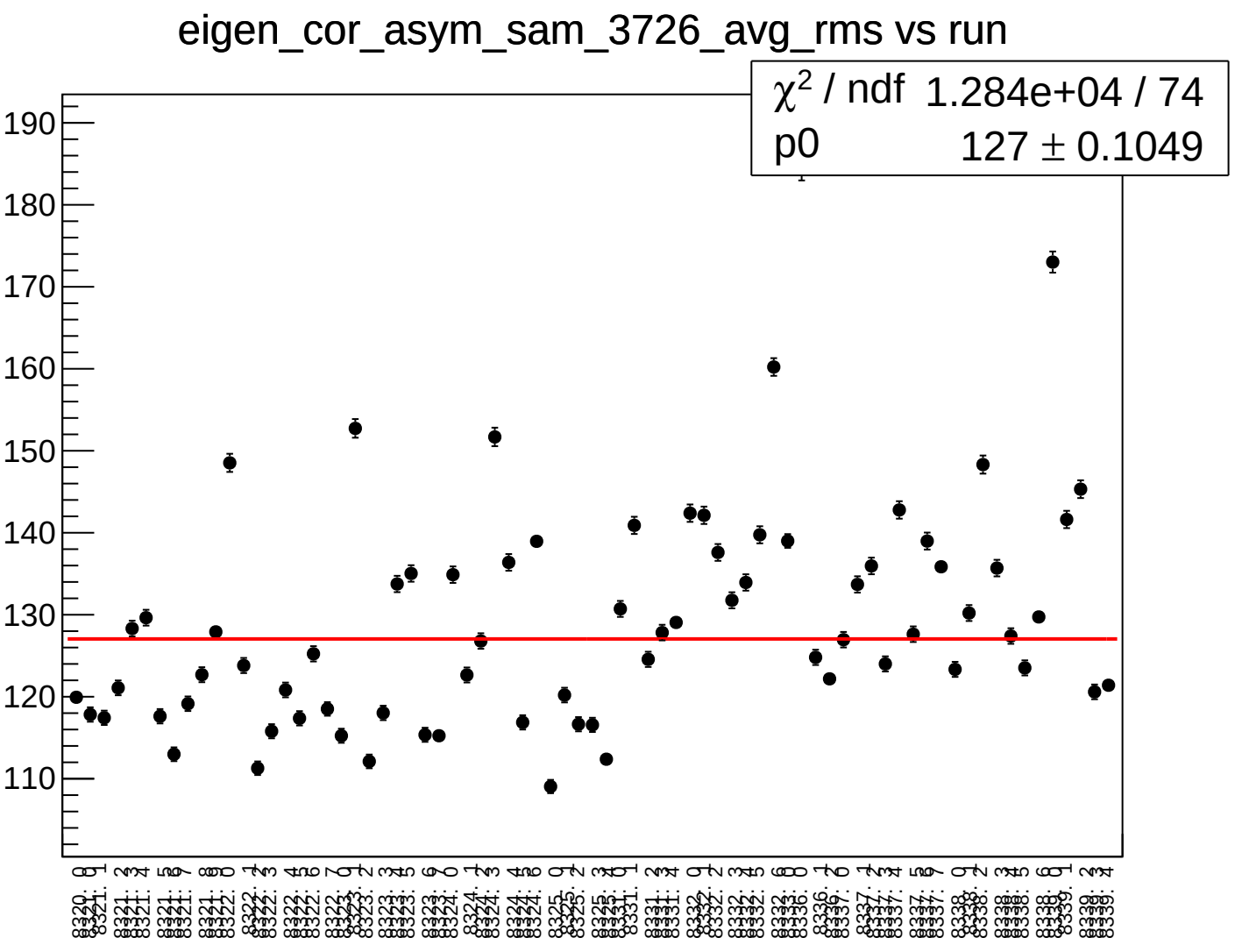

asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 79.91 / 74
p0 −4449 ± 1800
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −110.5
Std Dev 0
2
1
0
−1
−2

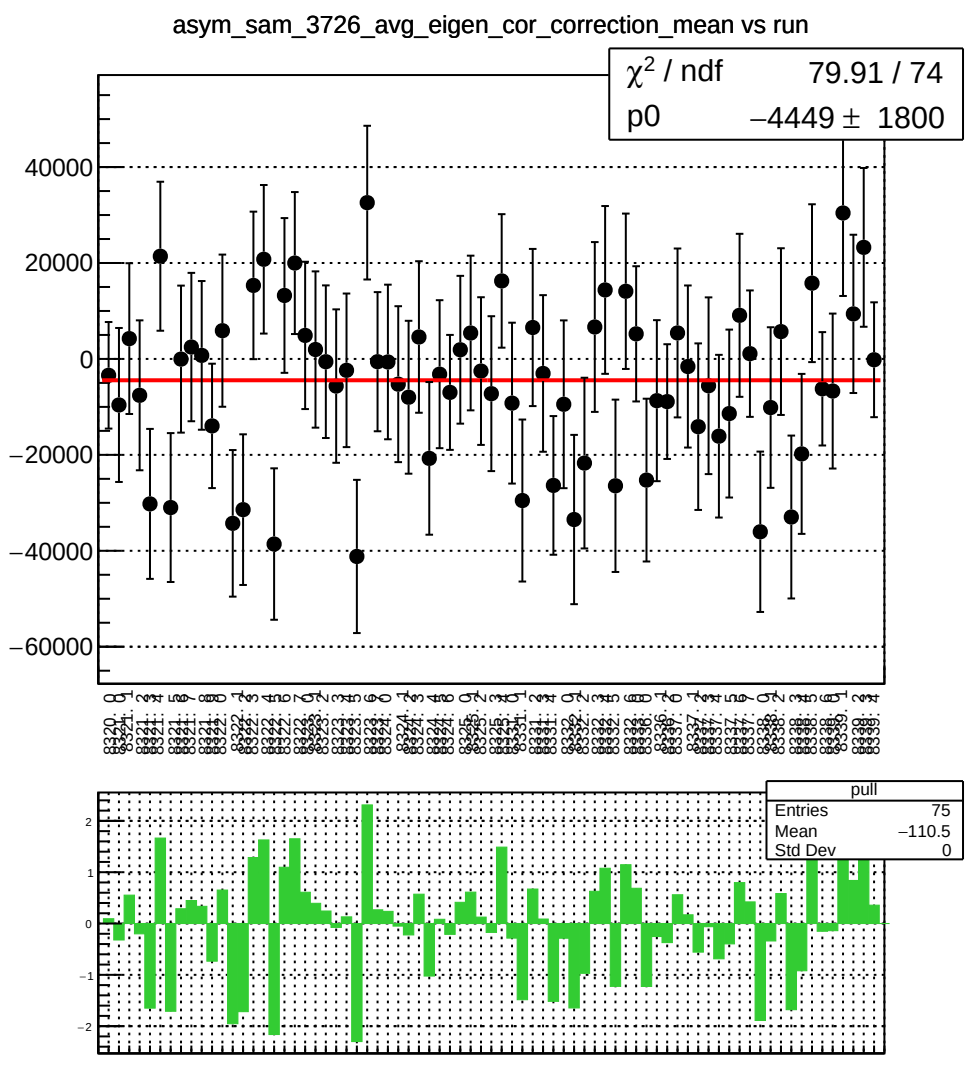

pull1D
Entries 75
Mean −0.00622
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

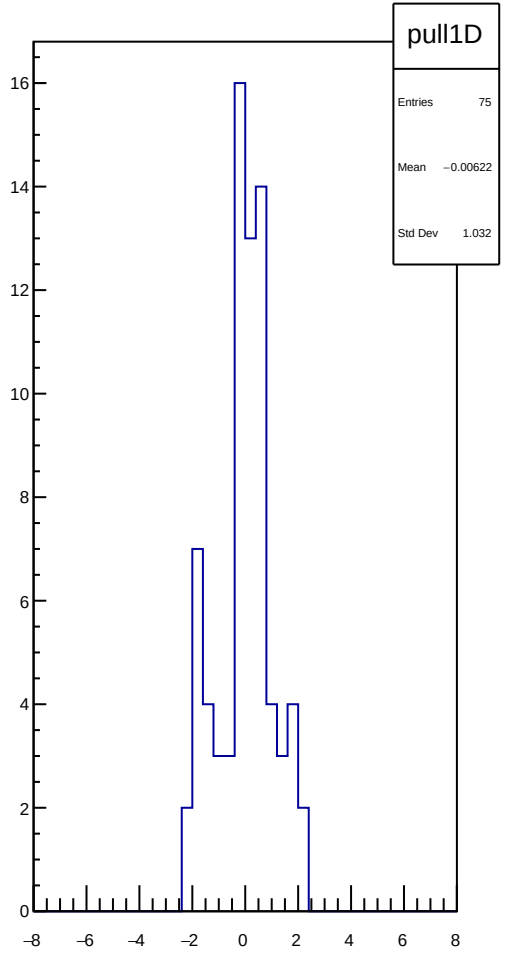

asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 3270 / 74
p0 1547 ± 1.273
1750
1700
1650
1600
1550
1500
1450

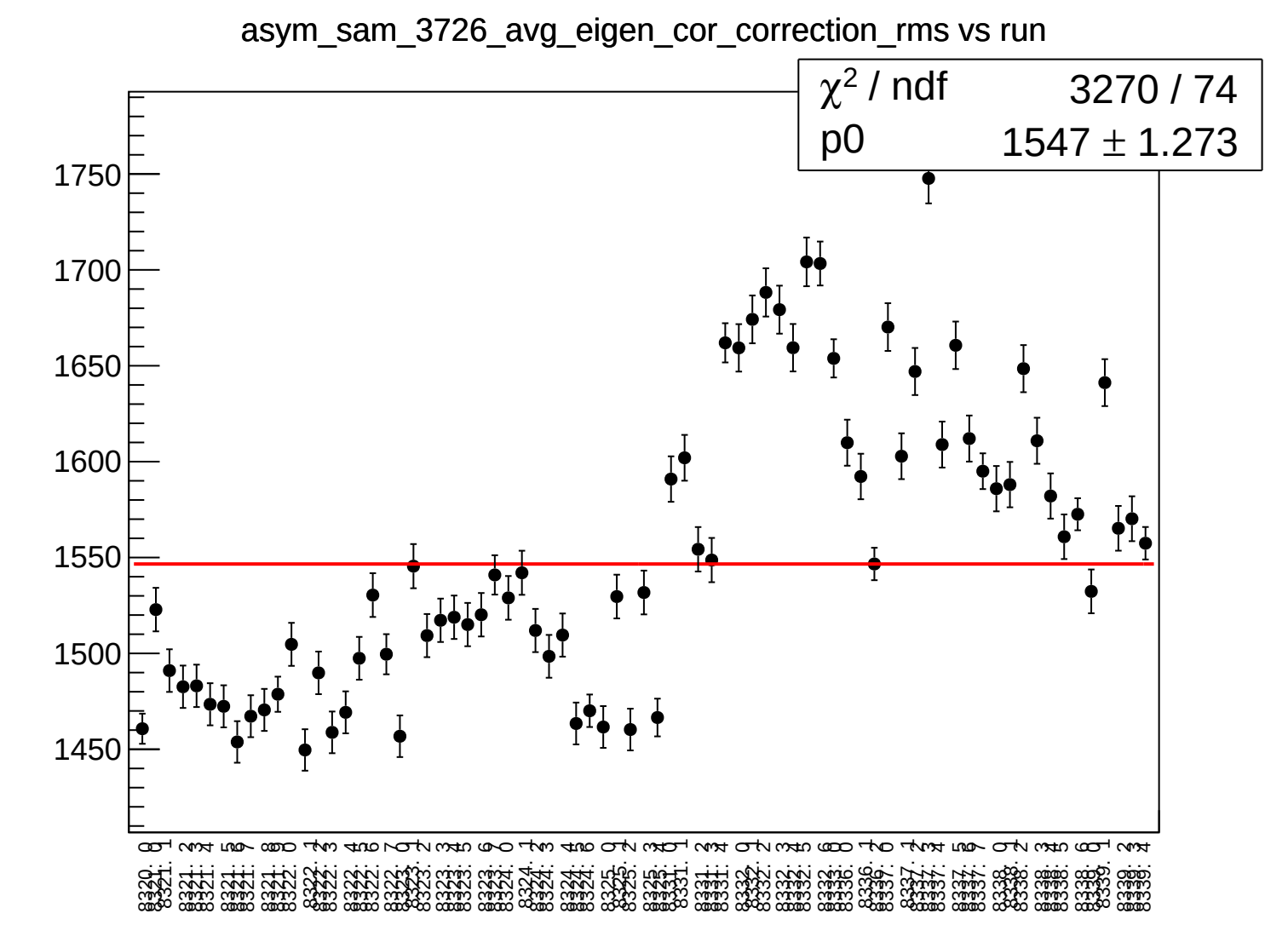

eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 65.88 / 74
p0 95.38 ± 148.3
4000
2000
0
−2000
−4000
pull
Entries 75
Mean 107.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

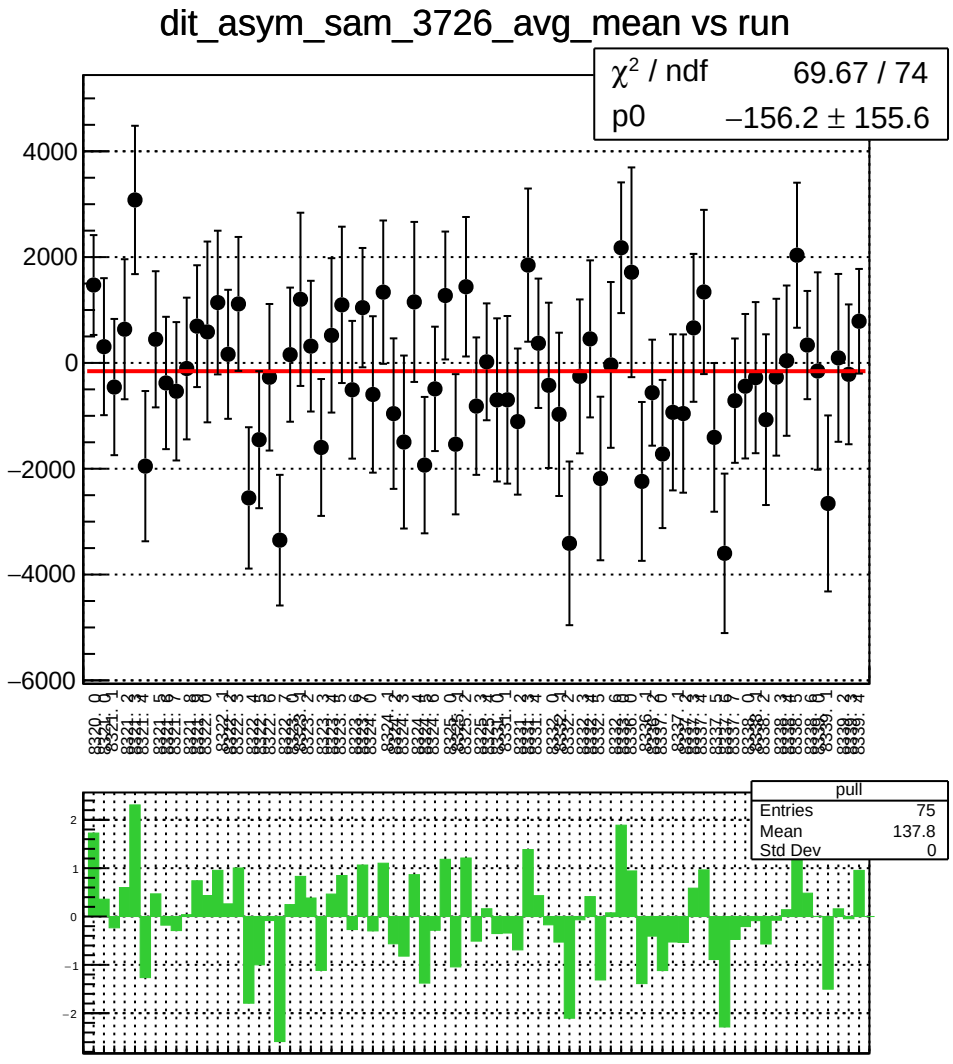

pull1D
Entries 75
Mean −0.02335
Std Dev 0.9369
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

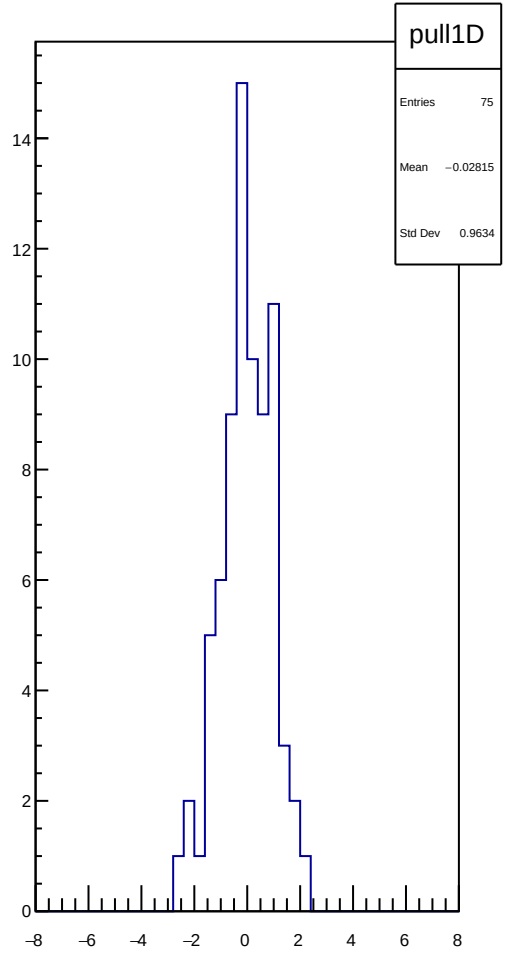

eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.284e+04 / 74
p0 127 ± 0.1049
190
180
170
160
150
140
130
120
110

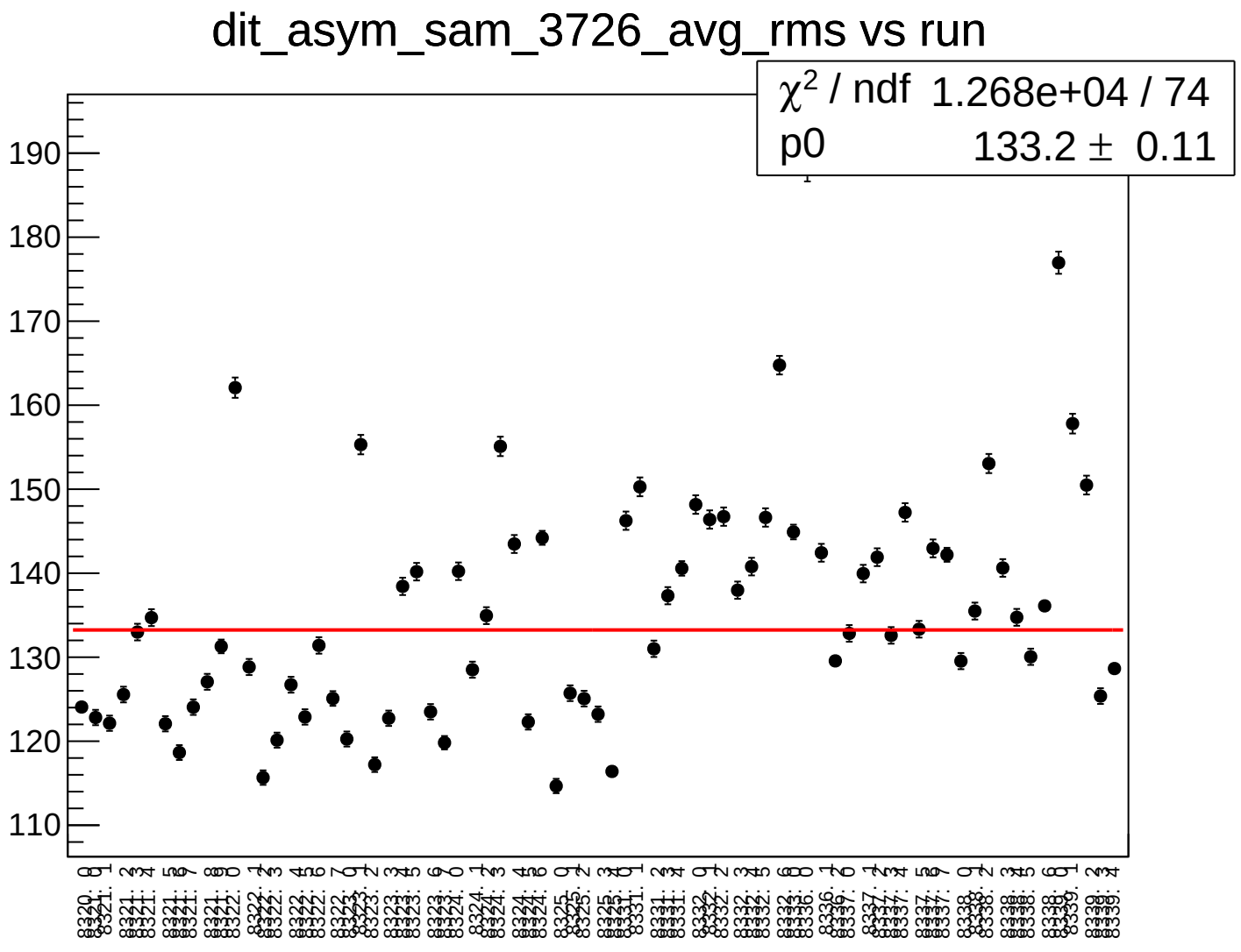

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 79.91 / 74
p0 −4449 ± 1800
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −110.5
Std Dev 0
2
1
0
−1
−2

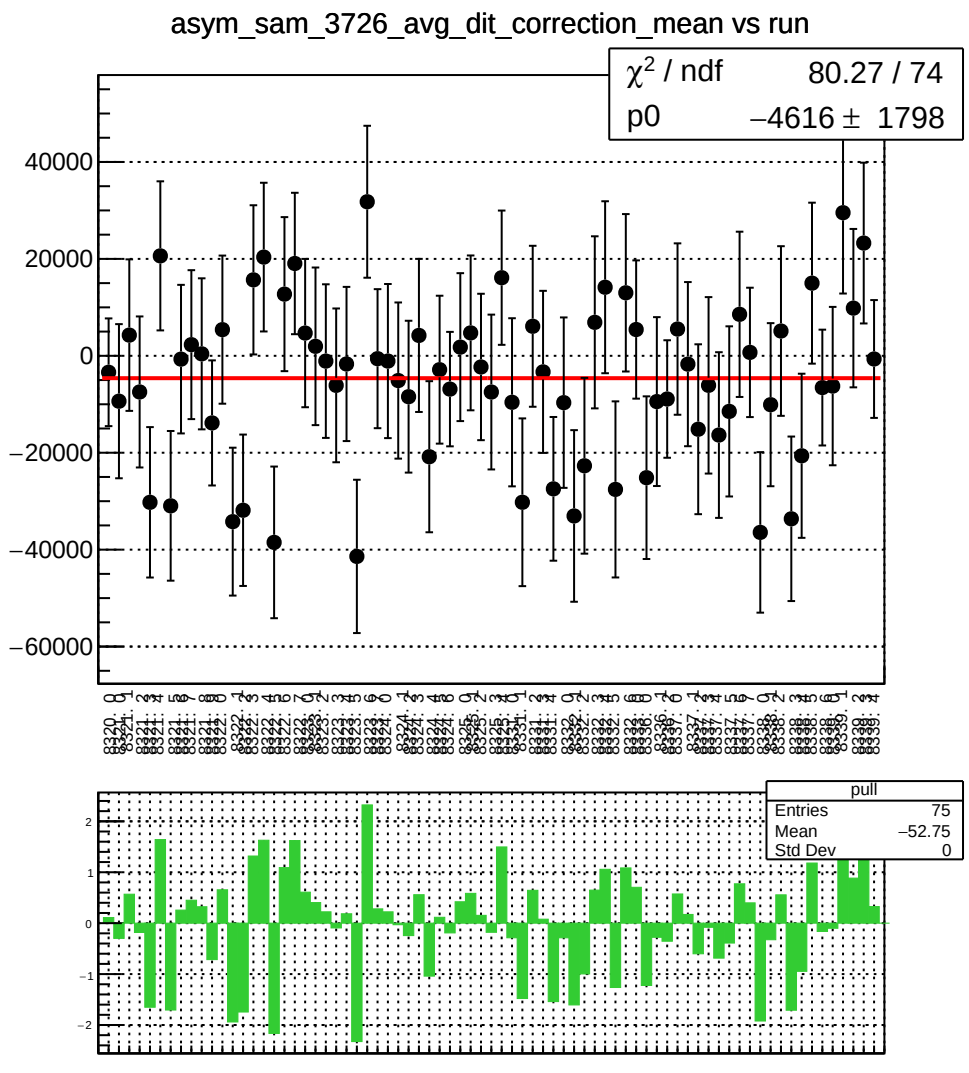

pull1D
Entries 75
Mean −0.00622
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

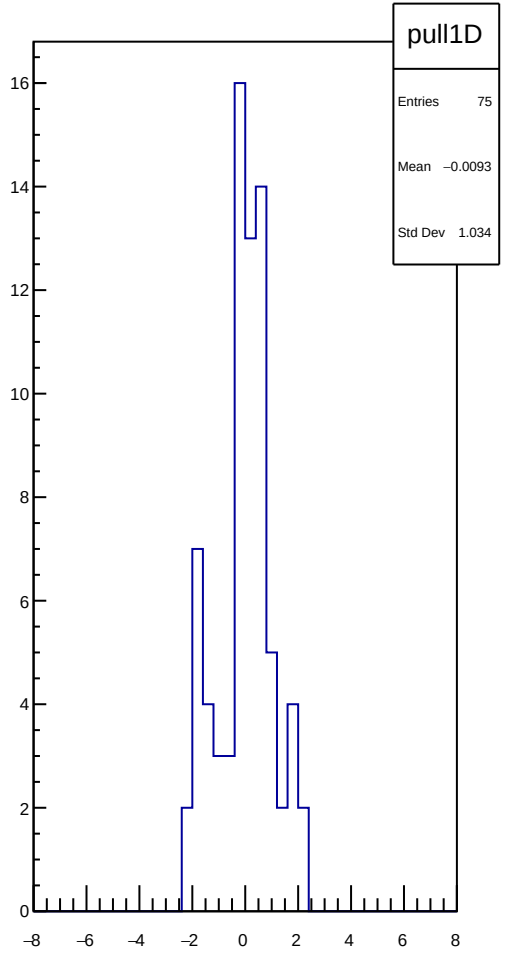

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 3270 / 74
p0 1547 ± 1.273
1750
1700
1650
1600
1550
1500
1450

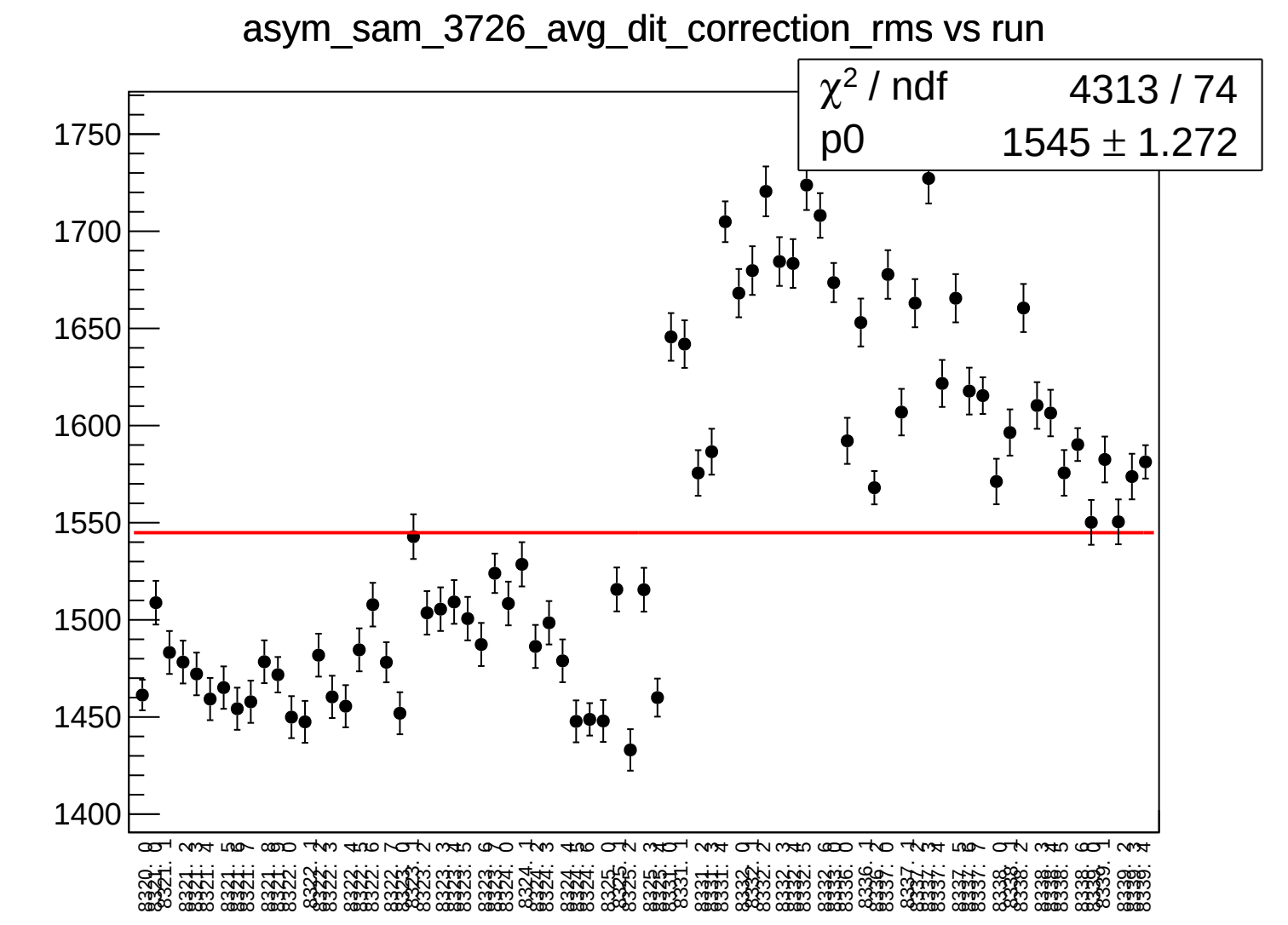

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 69.67 / 74
p0 −156.2 ± 155.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean 137.8
Std Dev 0
2
1
0
−1
−2

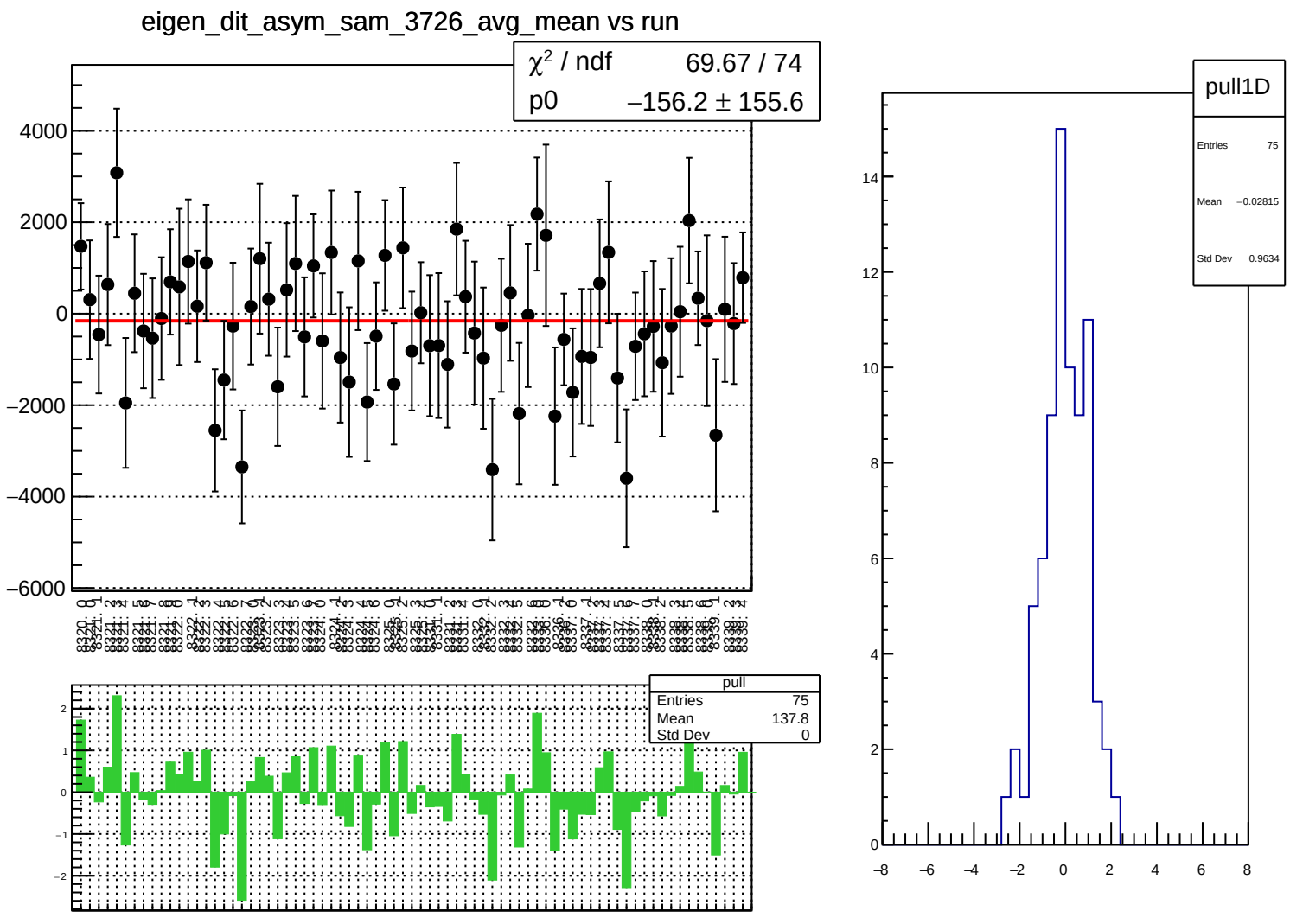

pull1D
Entries 75
Mean −0.02815
Std Dev 0.9634
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

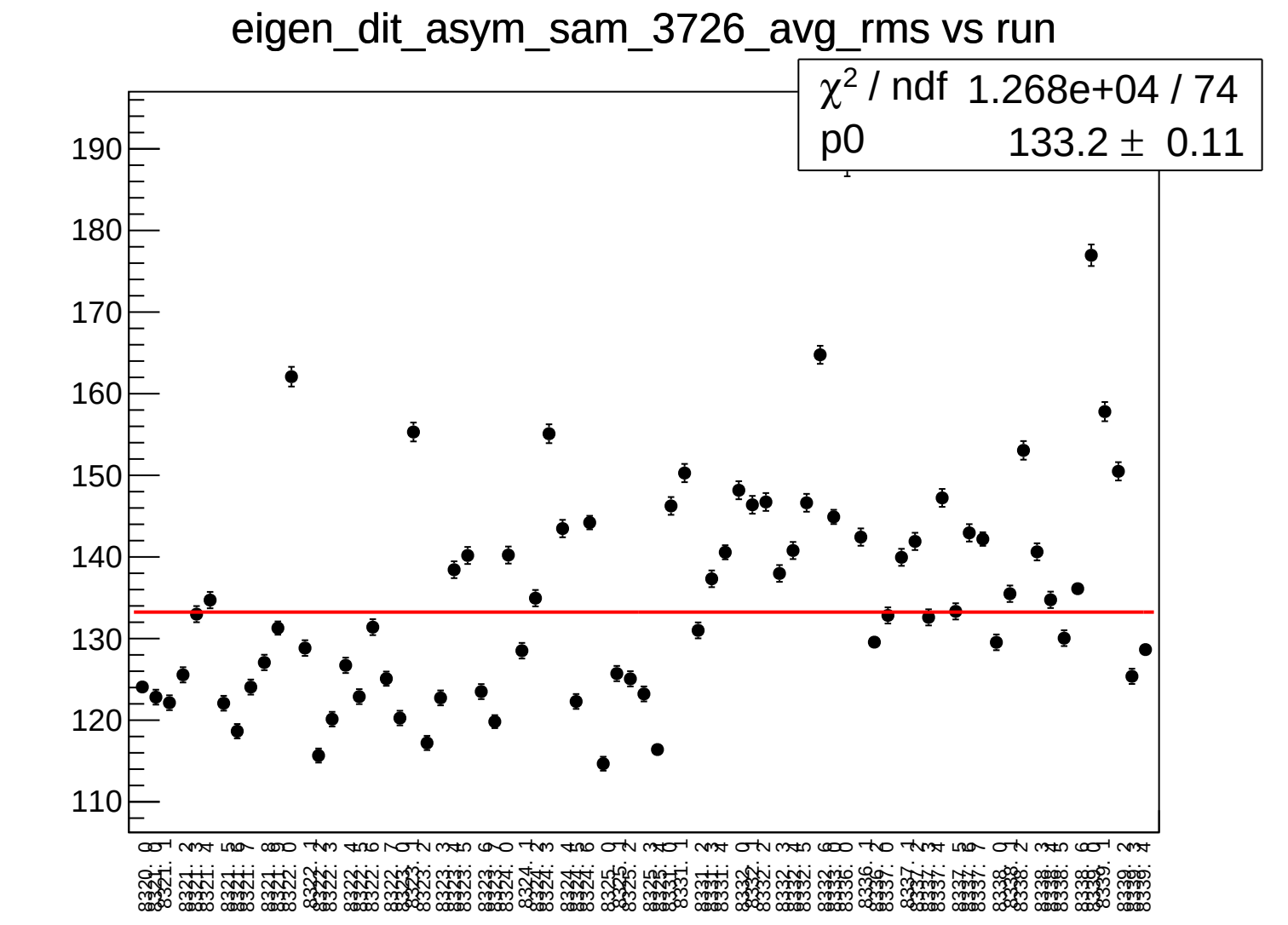

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.268e+04 / 74
p0 133.2 ± 0.11
190
180
170
160
150
140
130
120
110

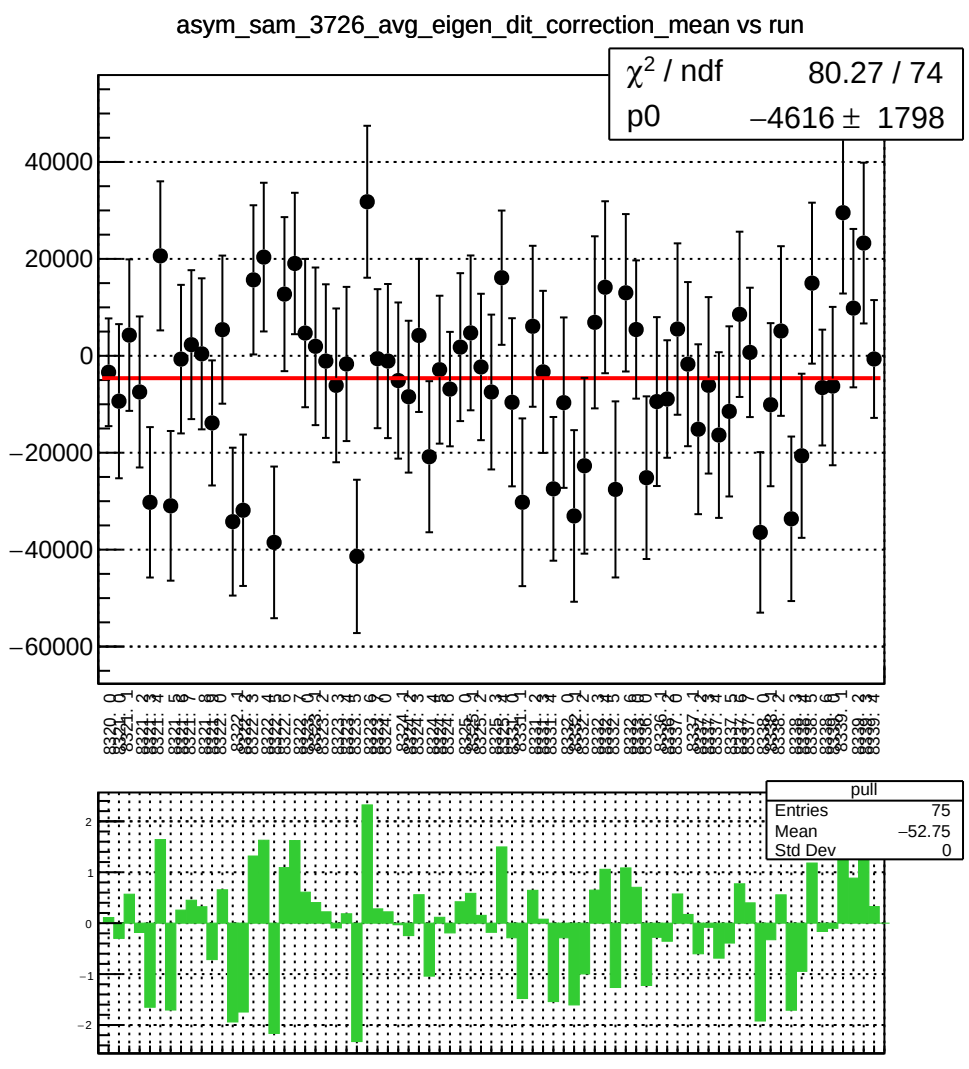

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 80.27 / 74
p0 −4616 ± 1798
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −52.75
Std Dev 0
2
1
0
−1
−2

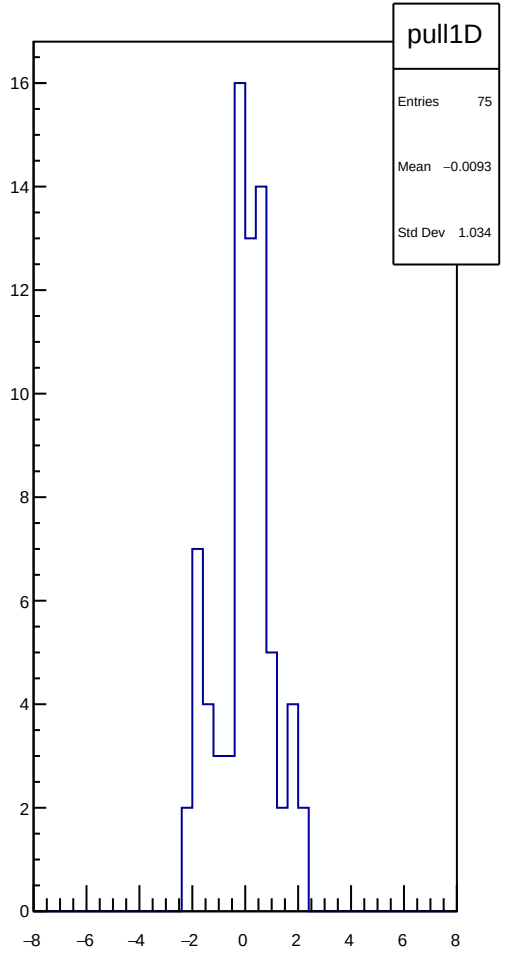

pull1D
Entries 75
Mean −0.0093
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

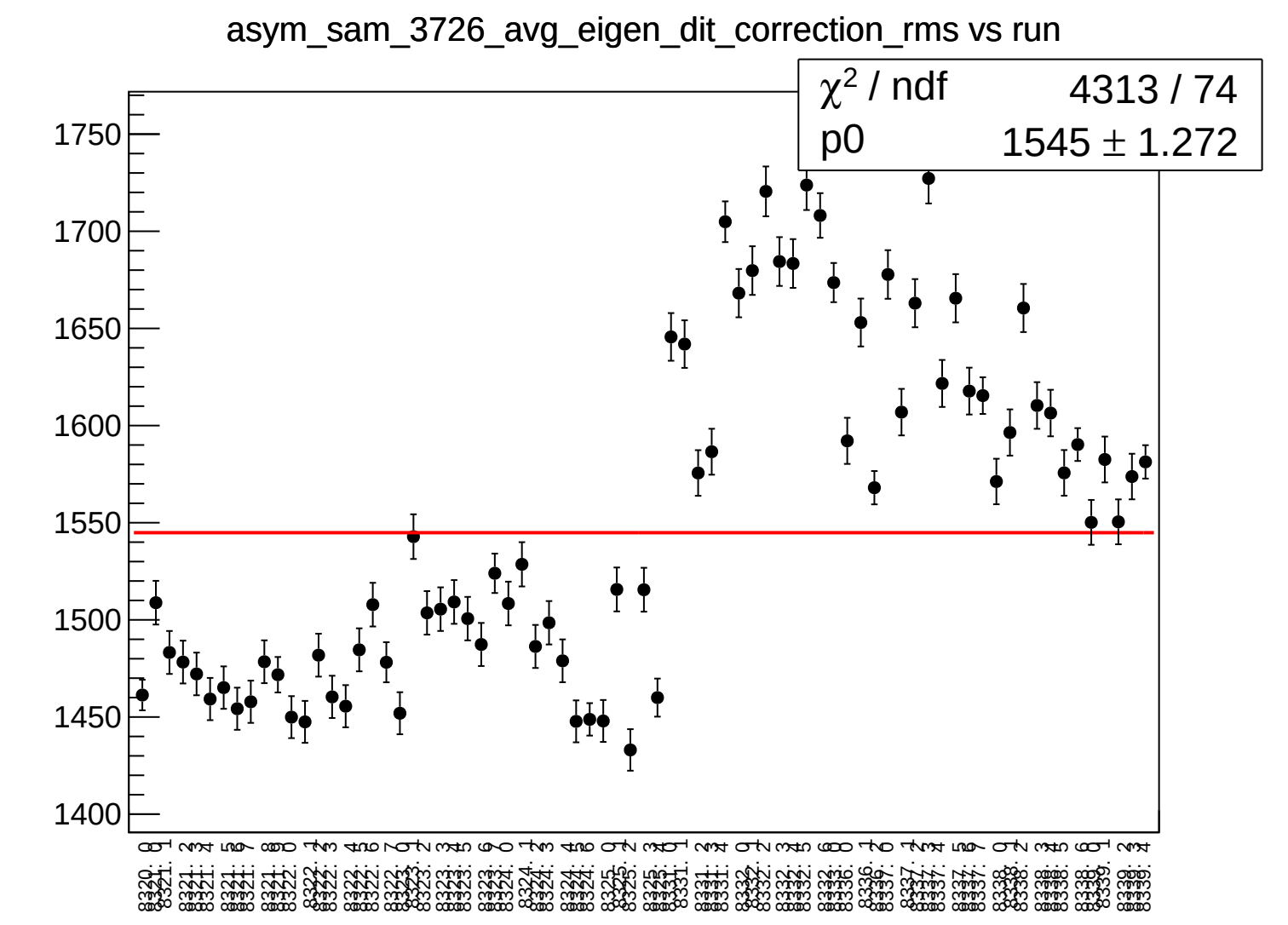

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 4313 / 74
p0 1545 ± 1.272
1750
1700
1650
1600
1550
1500
1450
1400

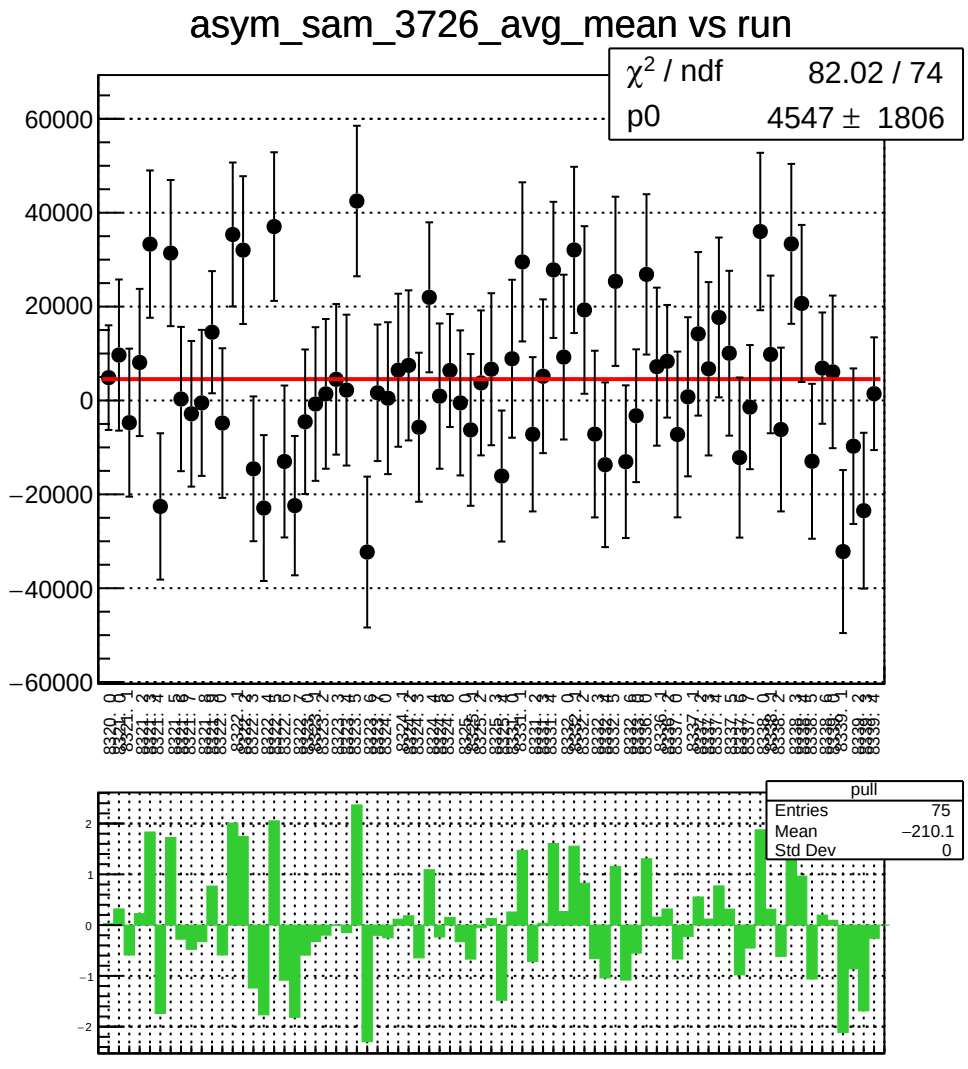

eigen_dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 69.67 / 74
p0 −156.2 ± 155.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean 137.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.02815
Std Dev 0.9634
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

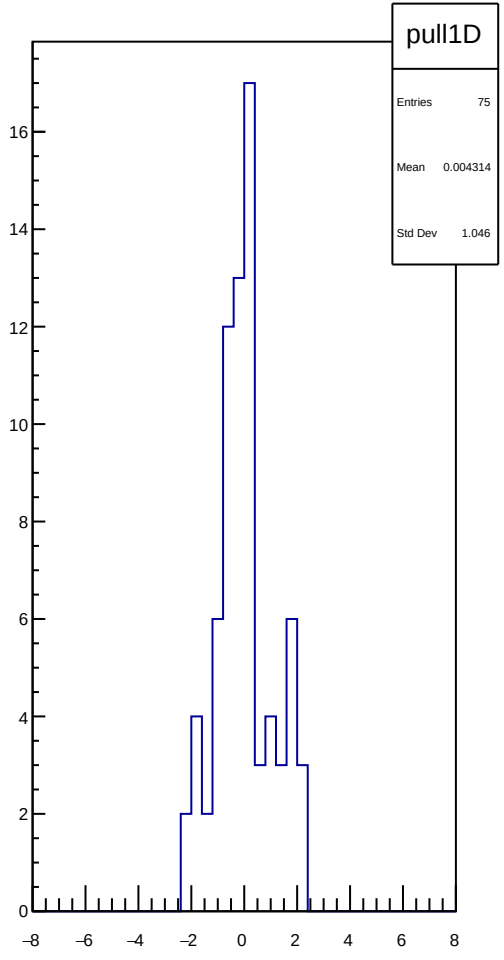

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.268e+04 / 74
p0 133.2 ± 0.11
190
180
170
160
150
140
130
120
110

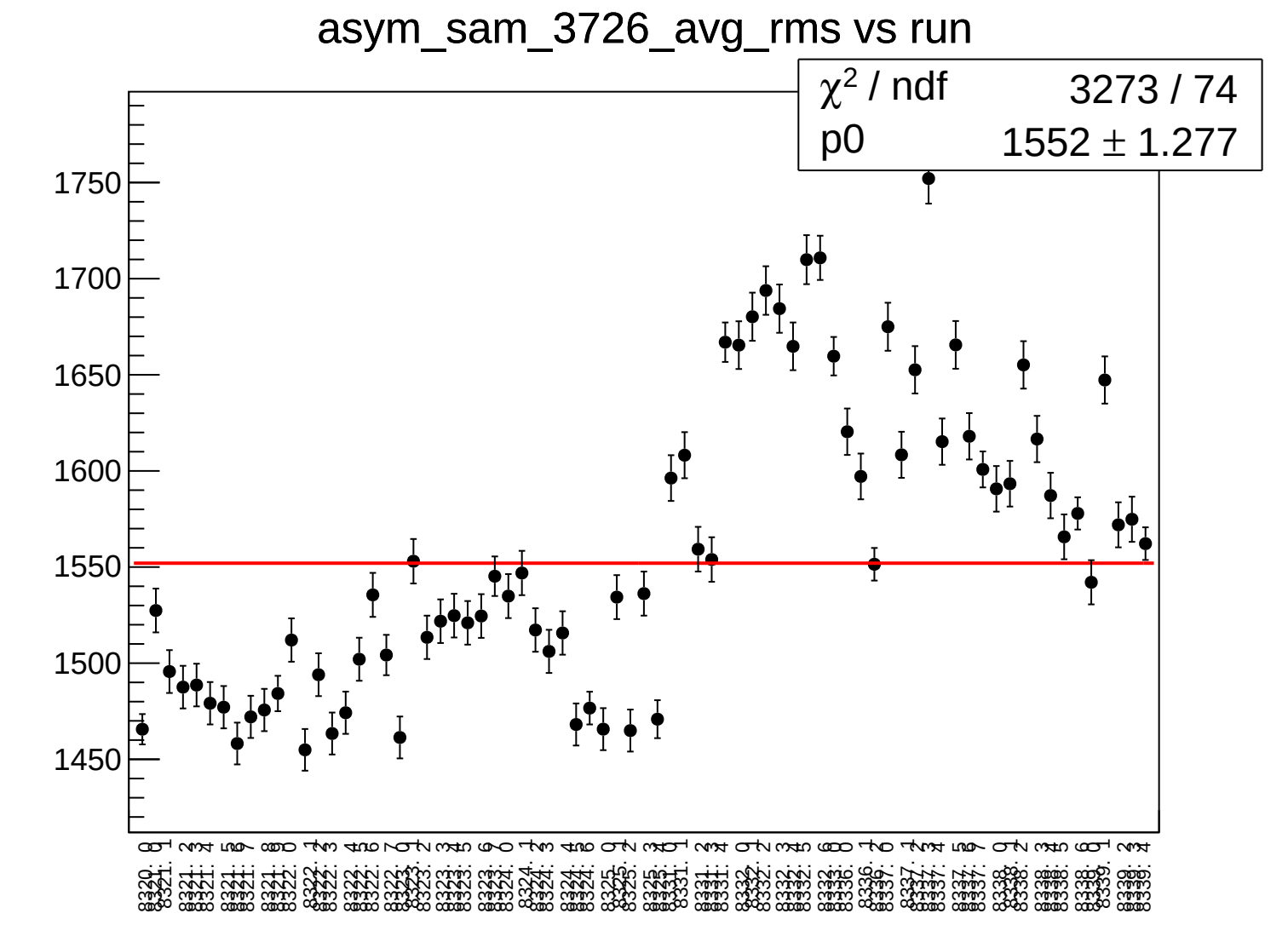

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 80.27 / 74
p0 −4616 ± 1798
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −52.75
Std Dev 0
2
1
0
−1
−2

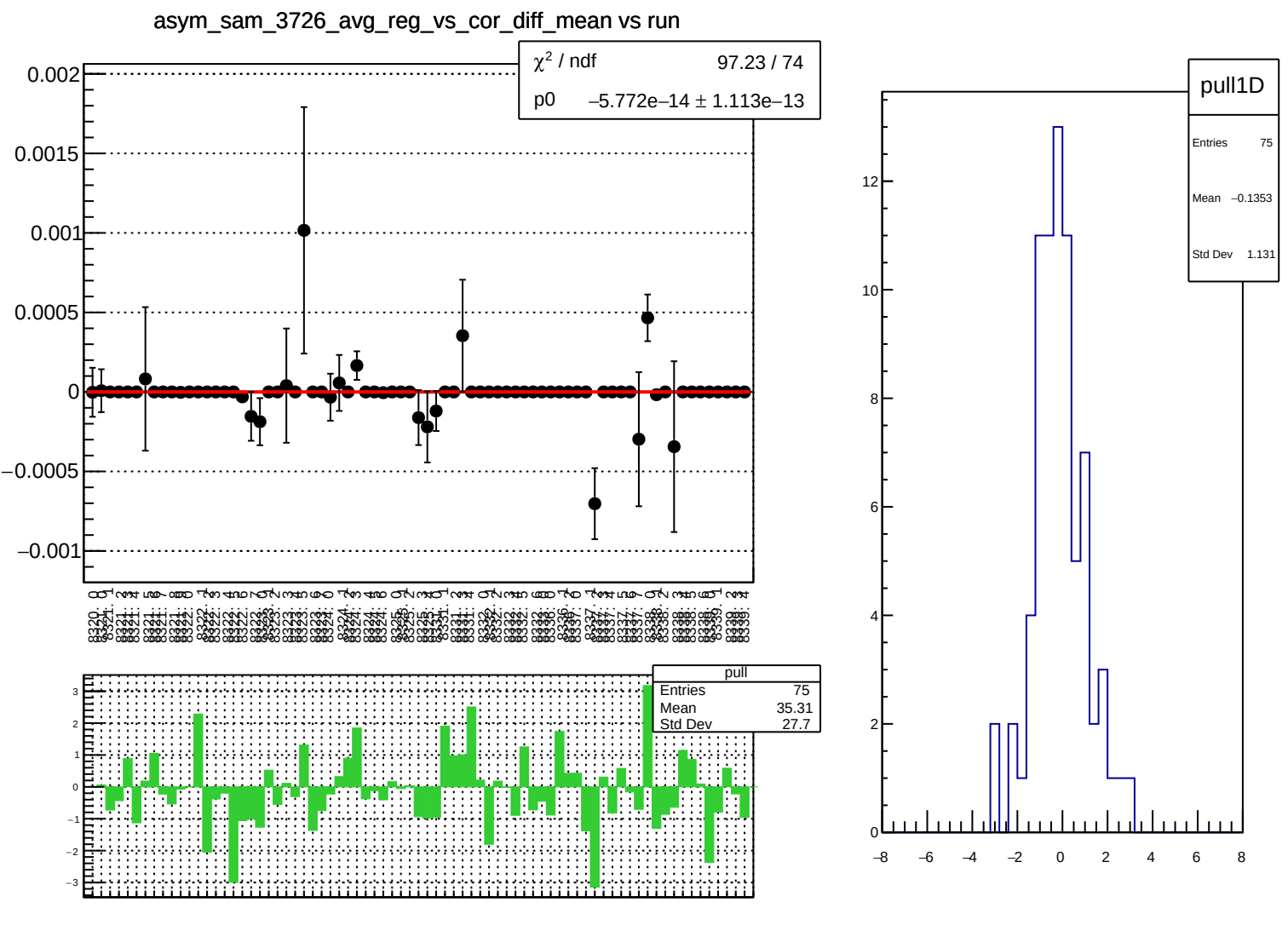

pull1D
Entries 75
Mean −0.0093
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

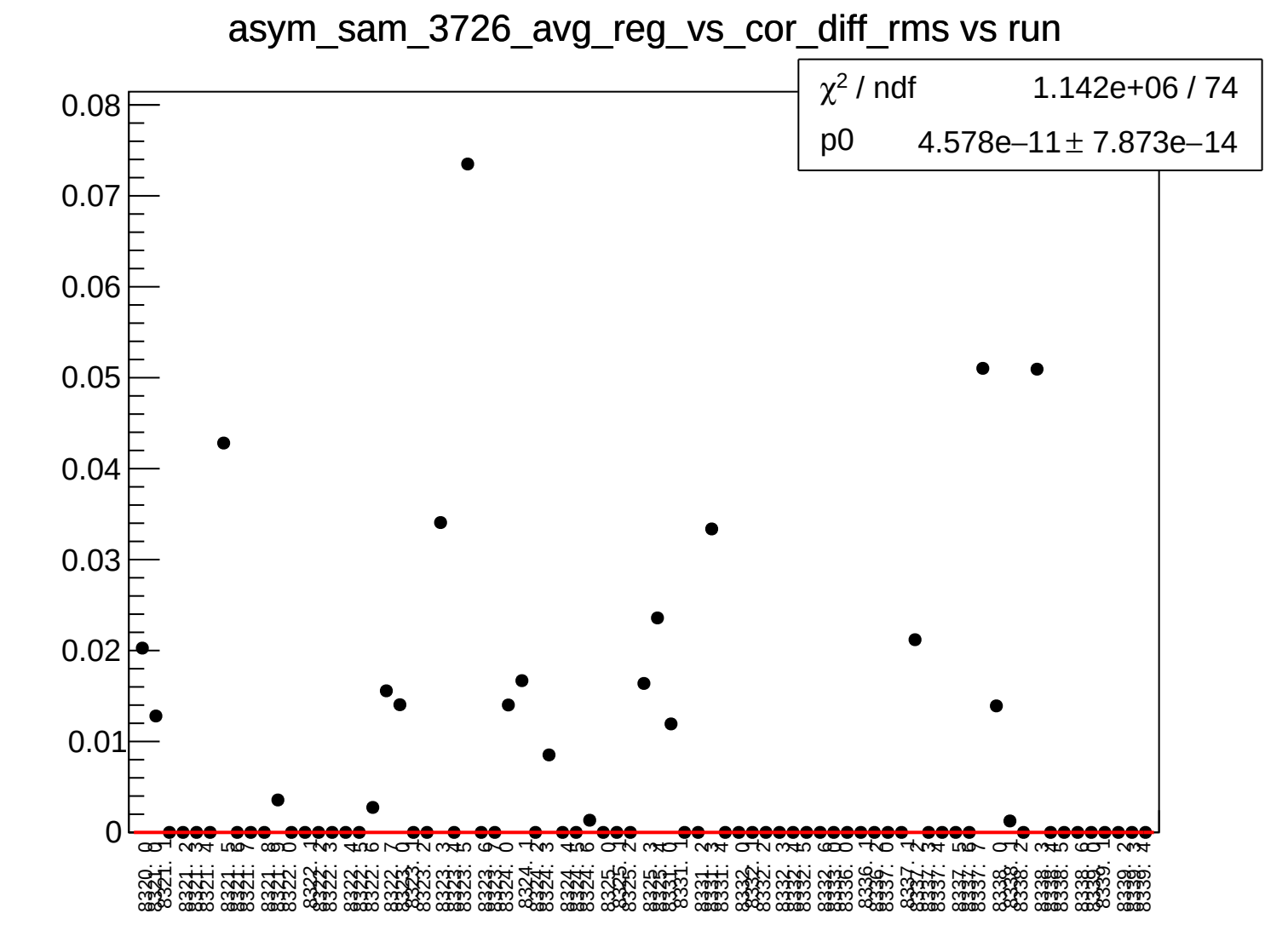

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 4313 / 74
p0 1545 ± 1.272
1750
1700
1650
1600
1550
1500
1450
1400

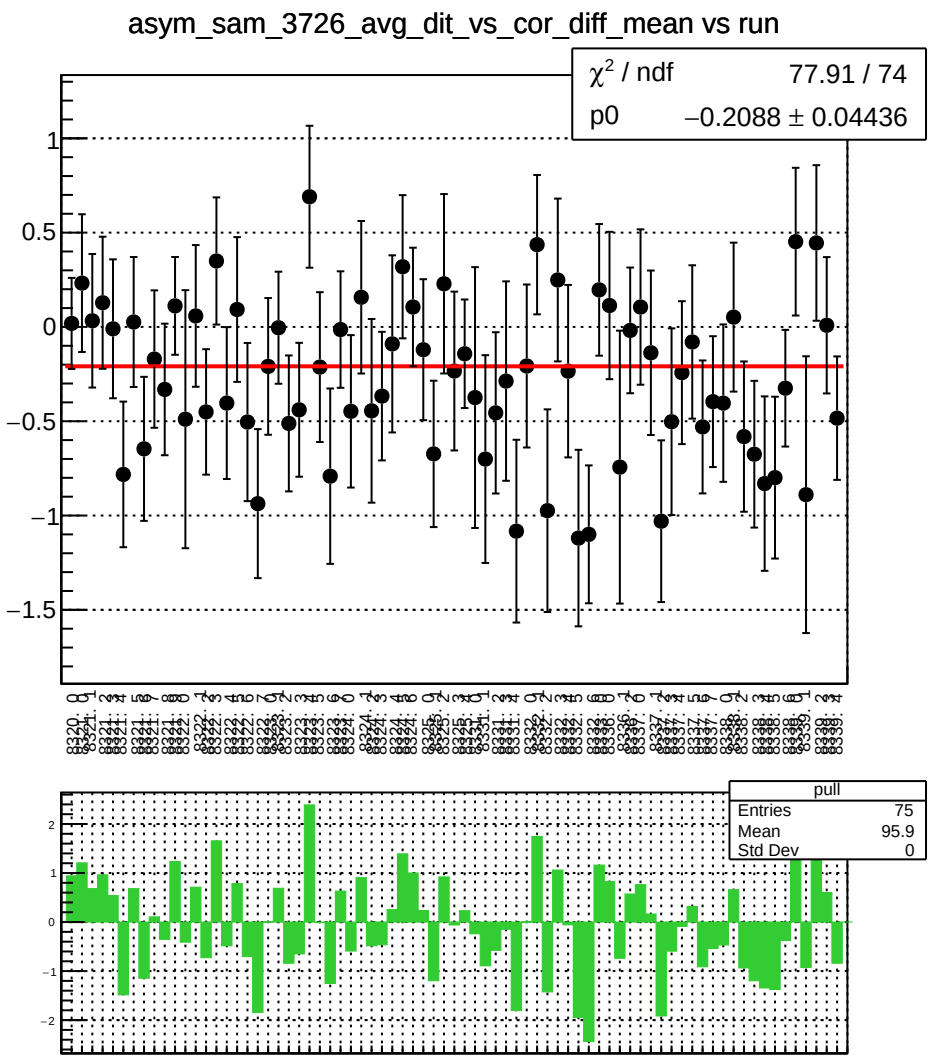

asym_sam_3726_avg_mean vs run
χ² / ndf 82.02 / 74
p0 4547 ± 1806
pull
Entries 75
Mean −210.1
Std Dev 0

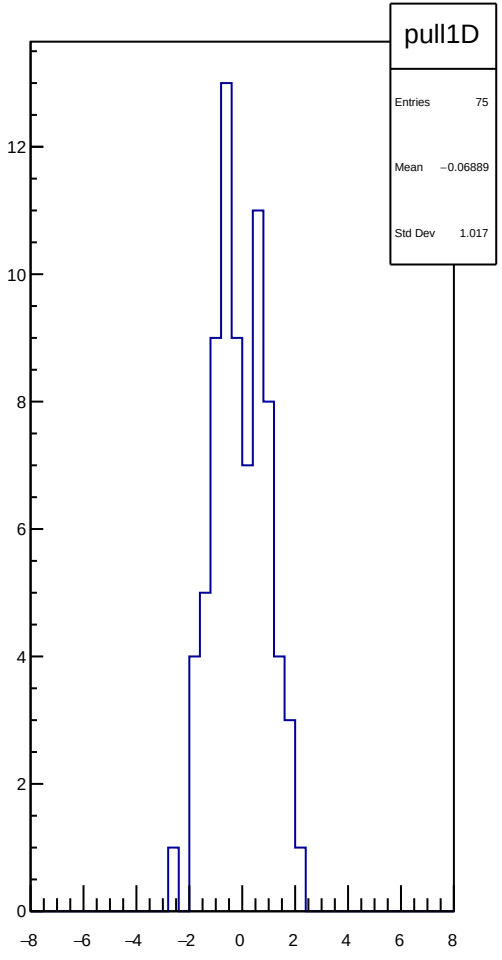

pull1D
Entries 75
Mean 0.004314
Std Dev 1.046

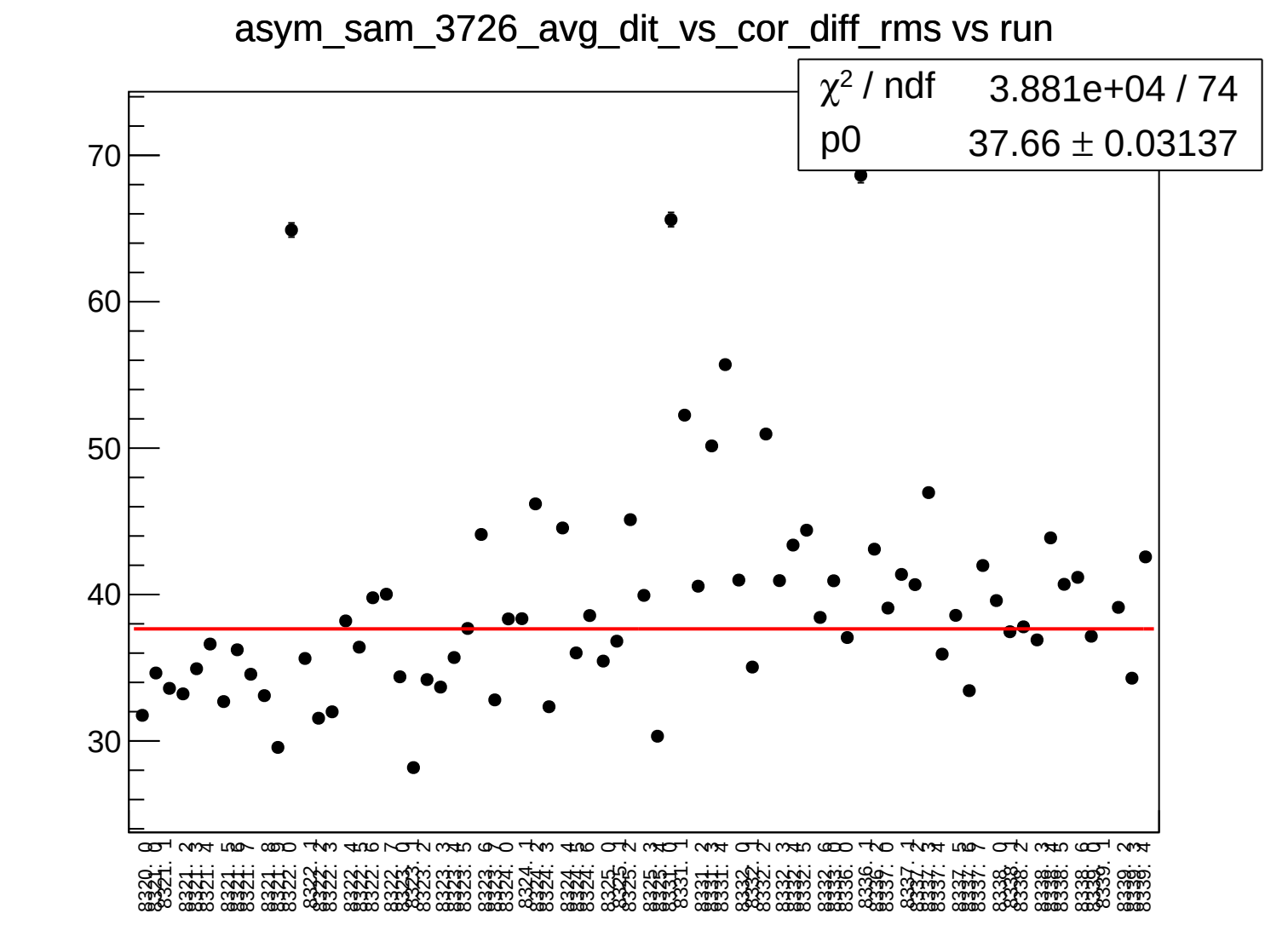

asym_sam_3726_avg_rms vs run
χ² / ndf 3273 / 74
p0 1552 ± 1.277
1750
1700
1650
1600
1550
1500
1450

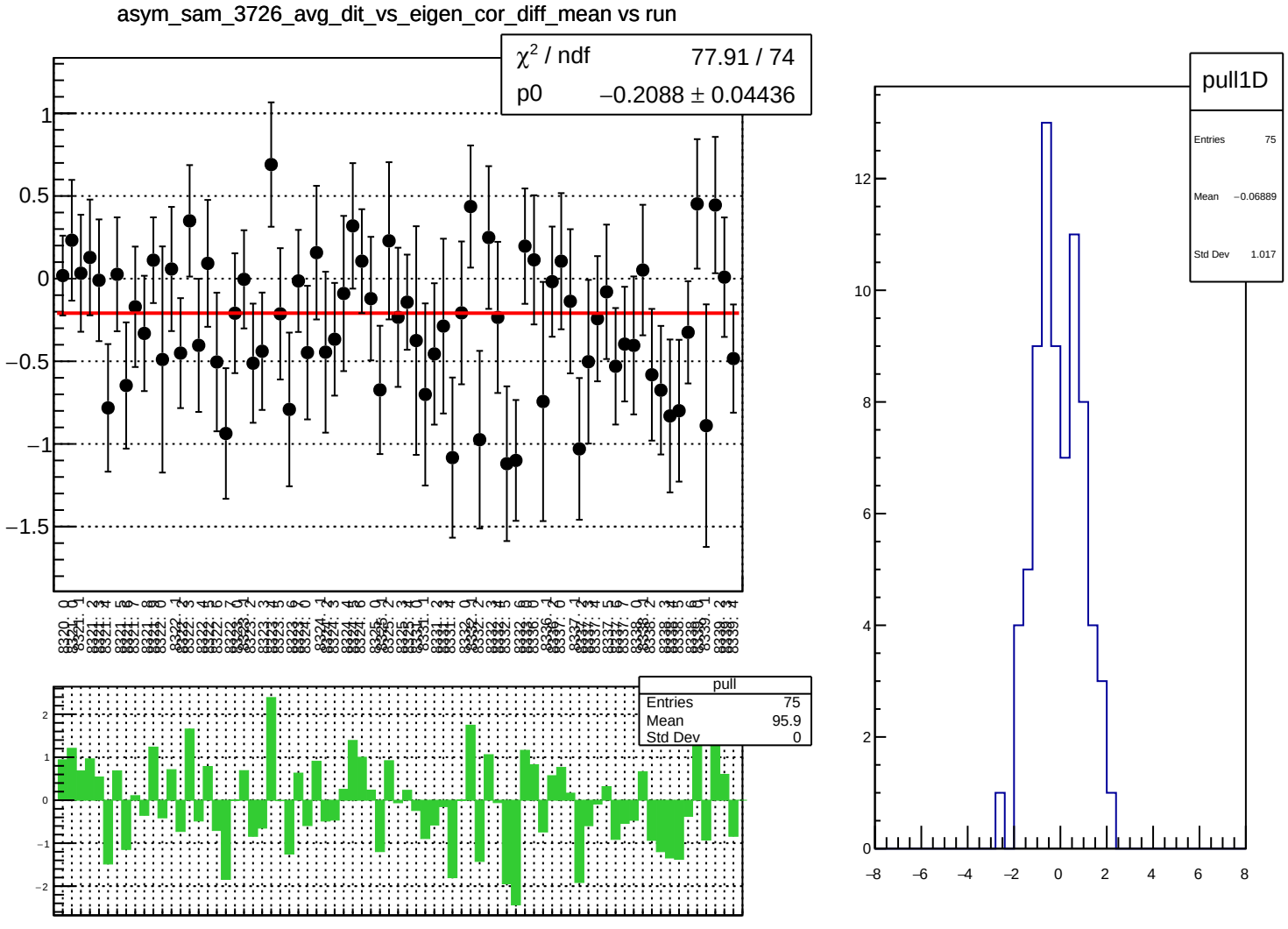

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 97.23 / 74
p0 −5.772e−14 ± 1.113e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 75
Mean 35.31
Std Dev 27.7
pull1D
Entries 75
Mean −0.1353
Std Dev 1.131
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

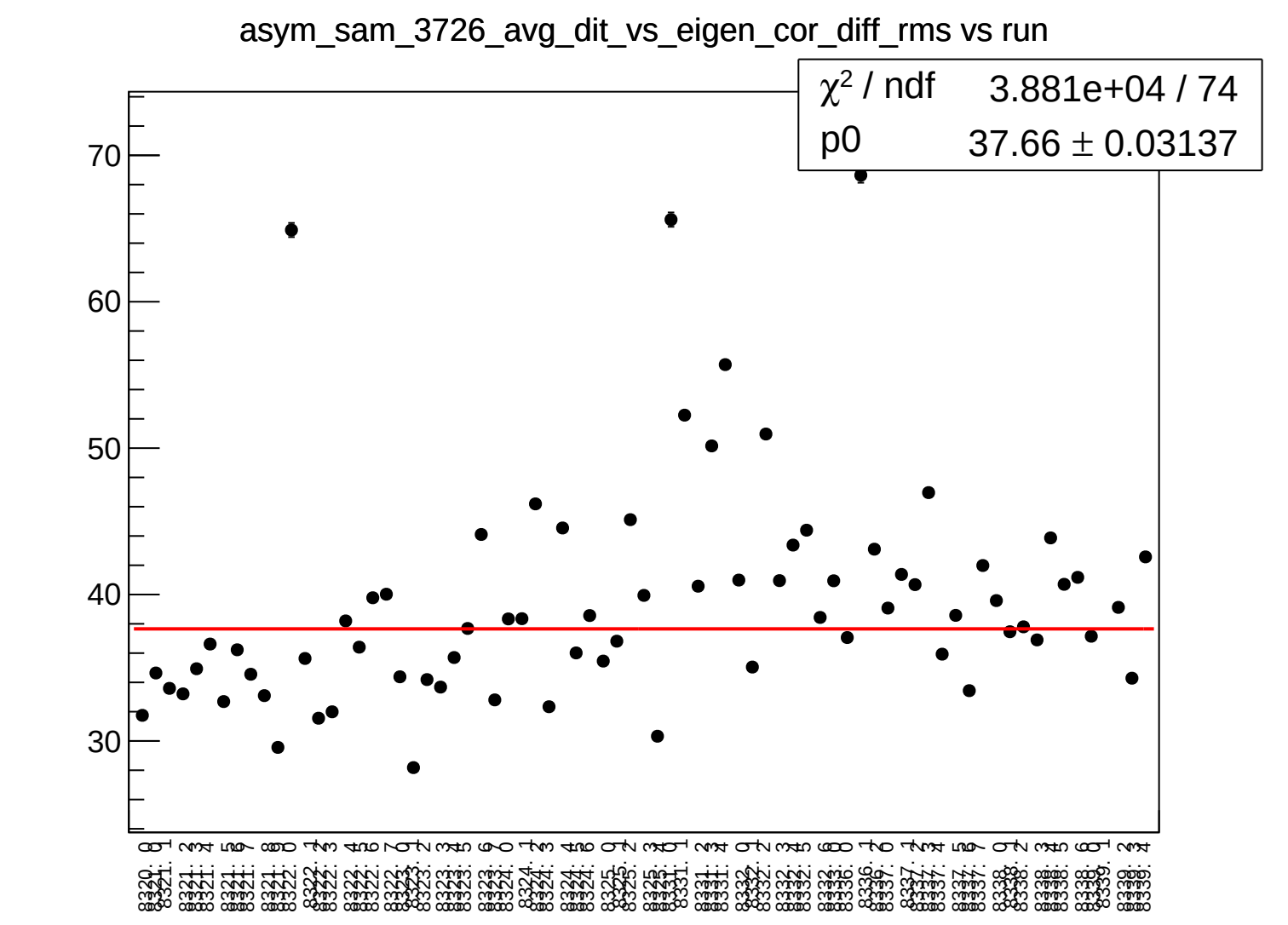

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 1.142e+06 / 74
p0 4.578e−11 ± 7.873e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

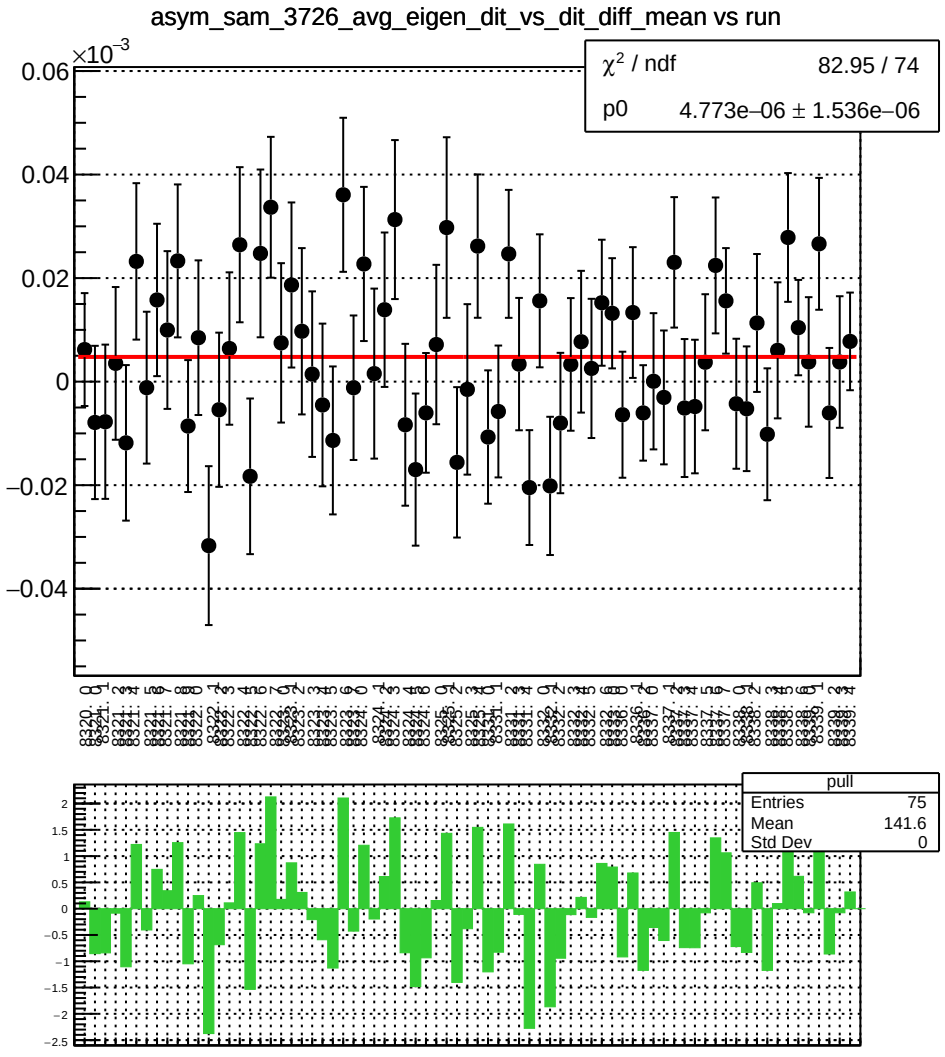

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 77.91 / 74
p0 −0.2088 ± 0.04436
pull
Entries 75
Mean 95.9
Std Dev 0

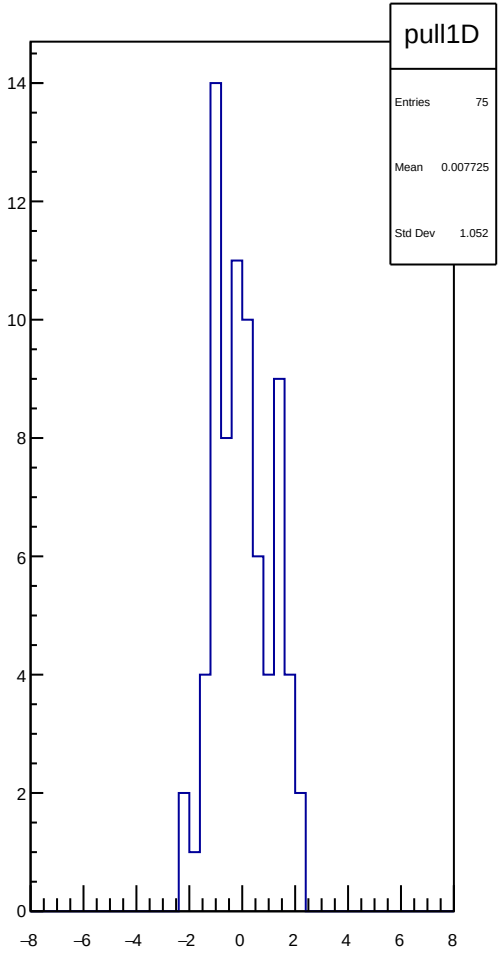

pull1D
Entries 75
Mean −0.06889
Std Dev 1.017

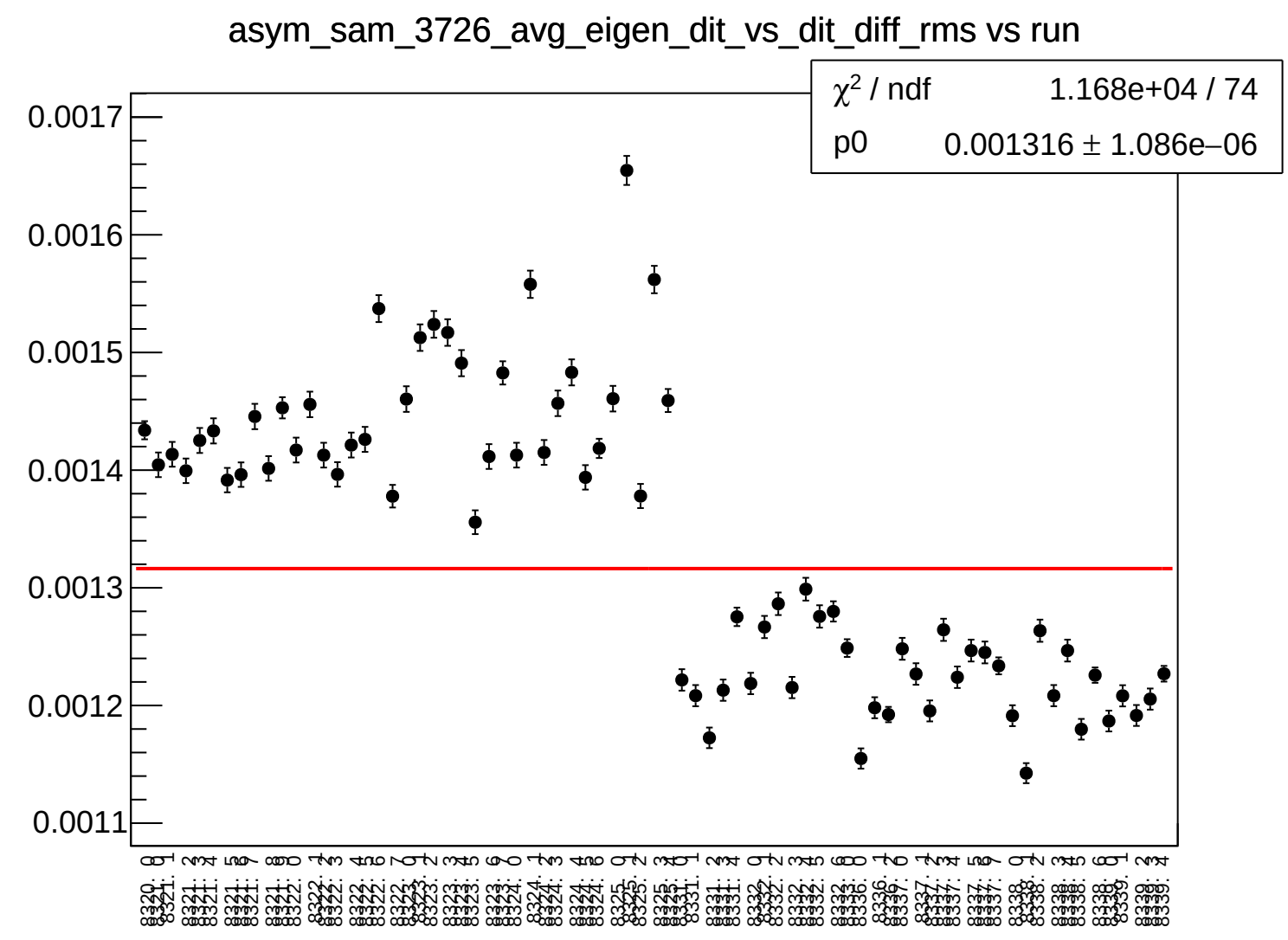

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.881e+04 / 74
p0 37.66 ± 0.03137
70
60
50
40
30

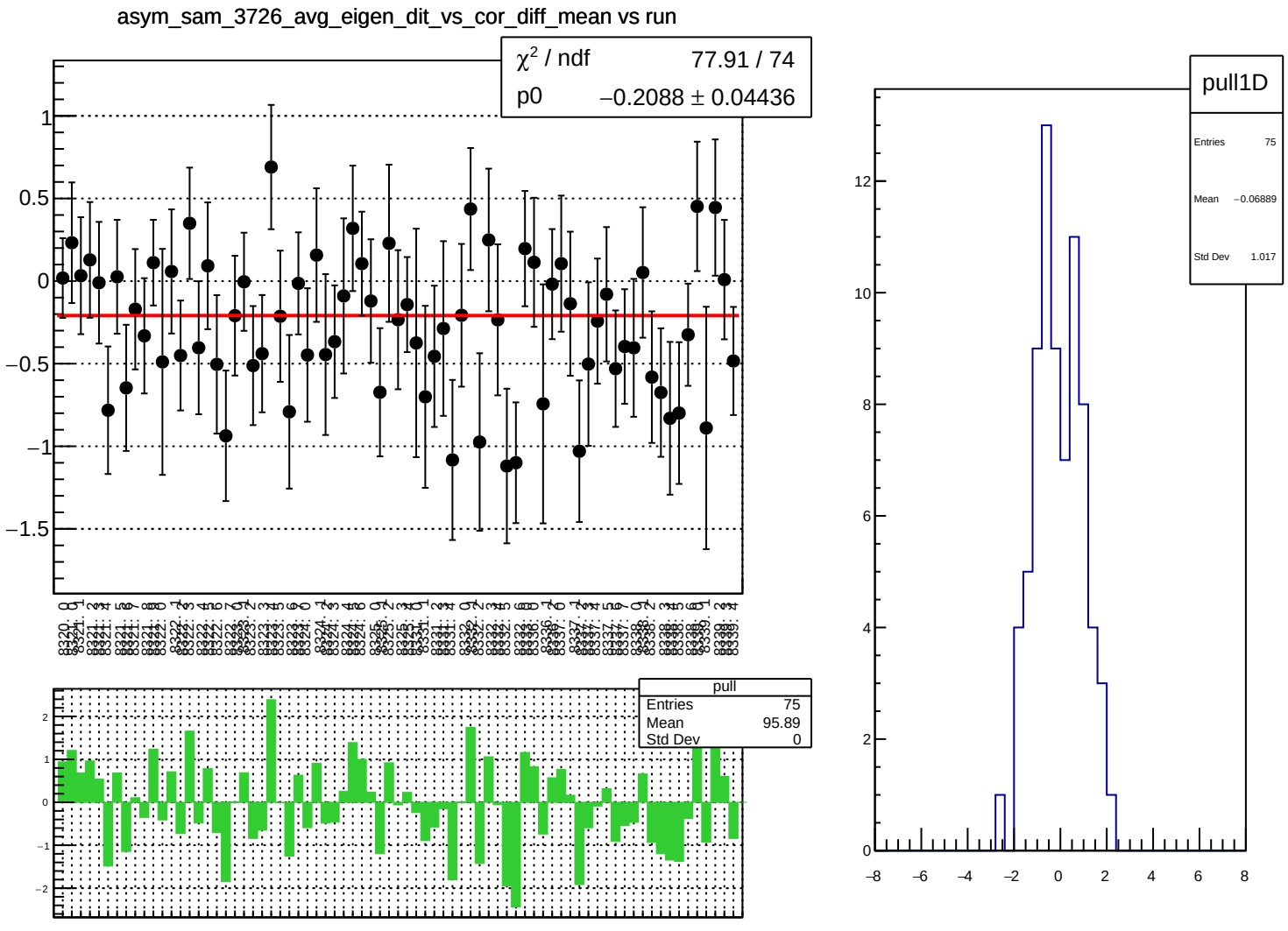

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.91 / 74
p0 −0.2088 ± 0.04436
pull
Entries 75
Mean 95.9
Std Dev 0
pull1D
Entries 75
Mean −0.06889
Std Dev 1.017

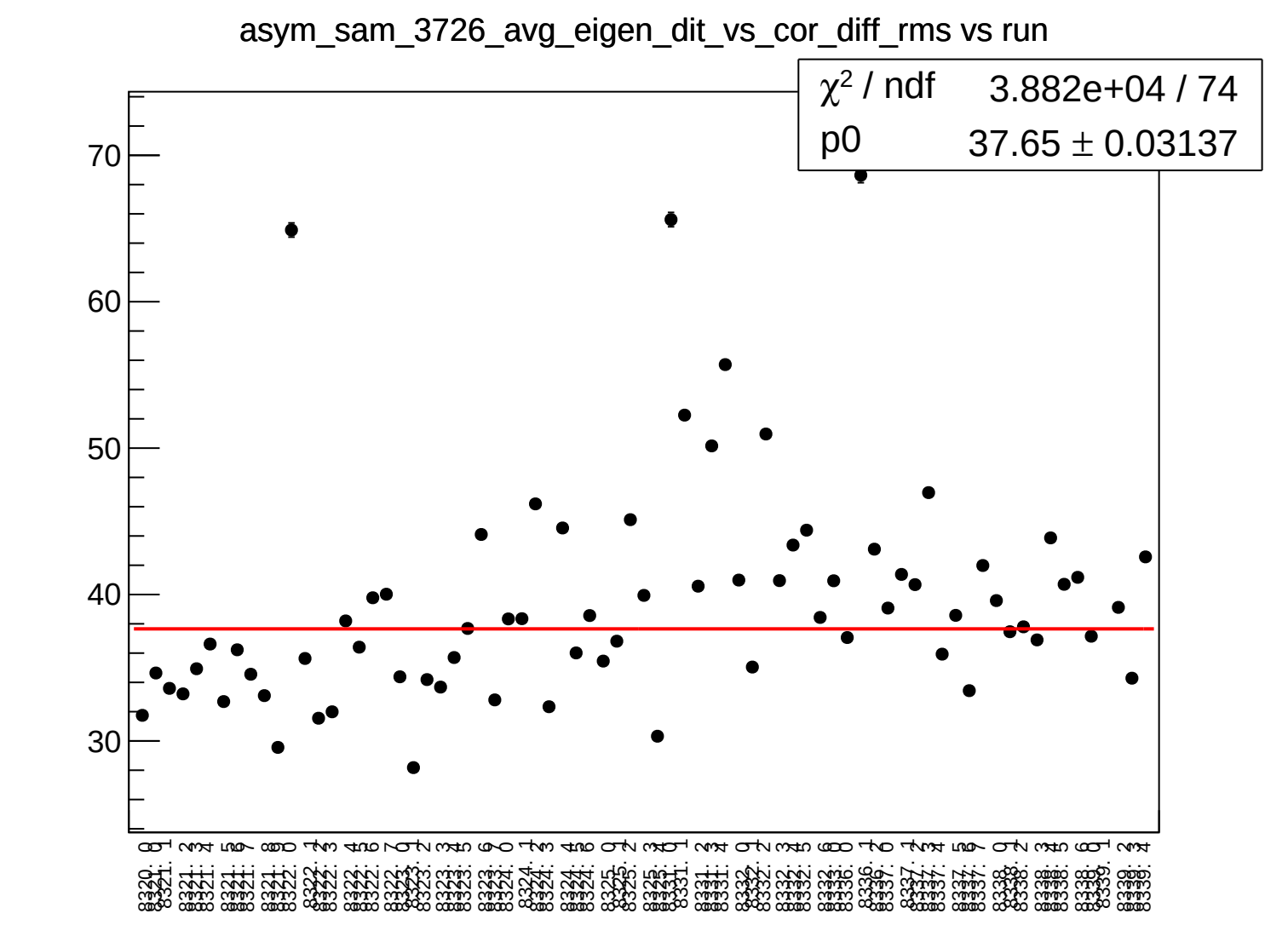

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.881e+04 / 74
p0 37.66 ± 0.03137
70
60
50
40
30

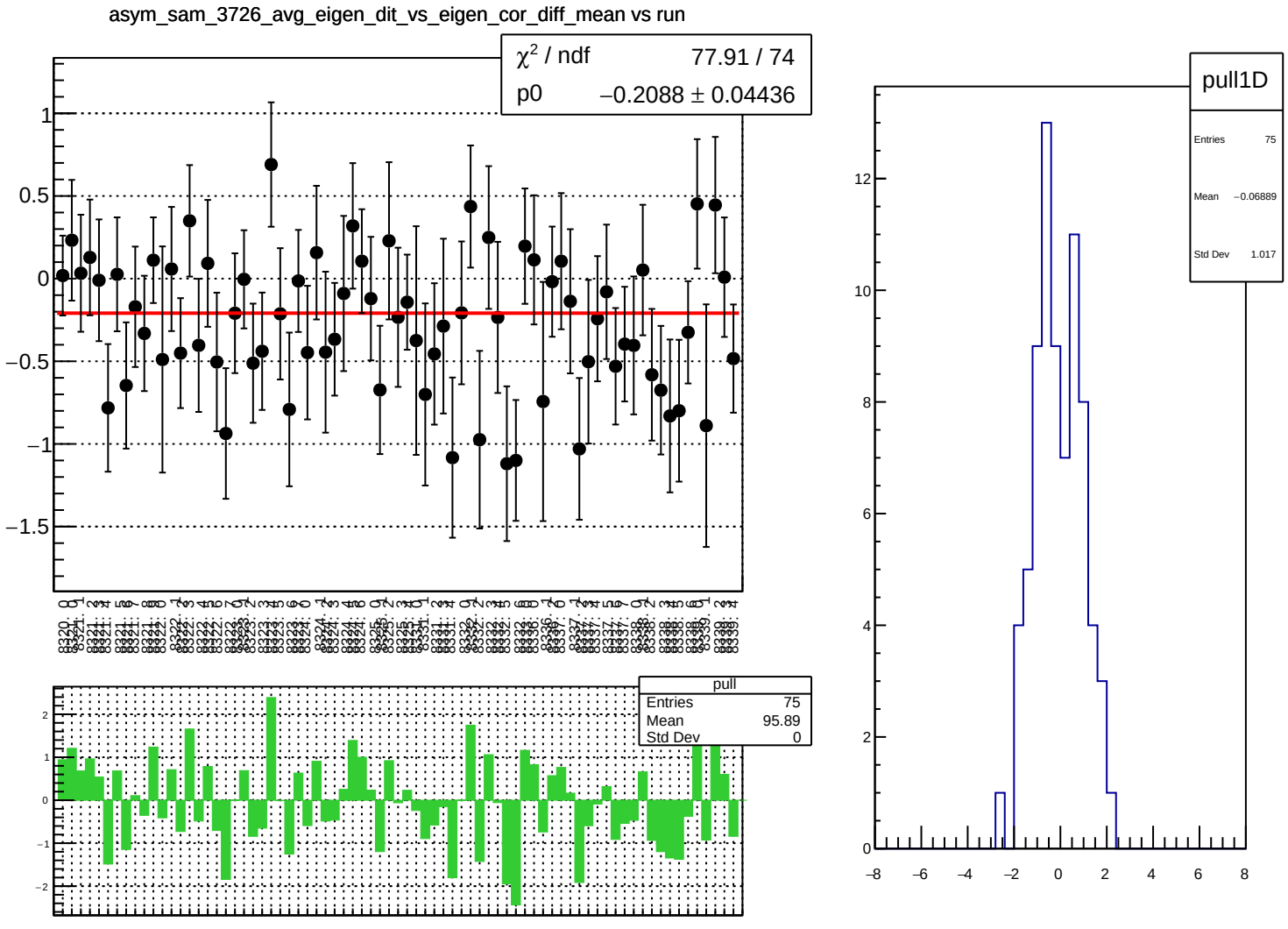

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 82.95 / 74
p0 4.773e−06 ± 1.536e−06
pull
Entries 75
Mean 141.6
Std Dev 0

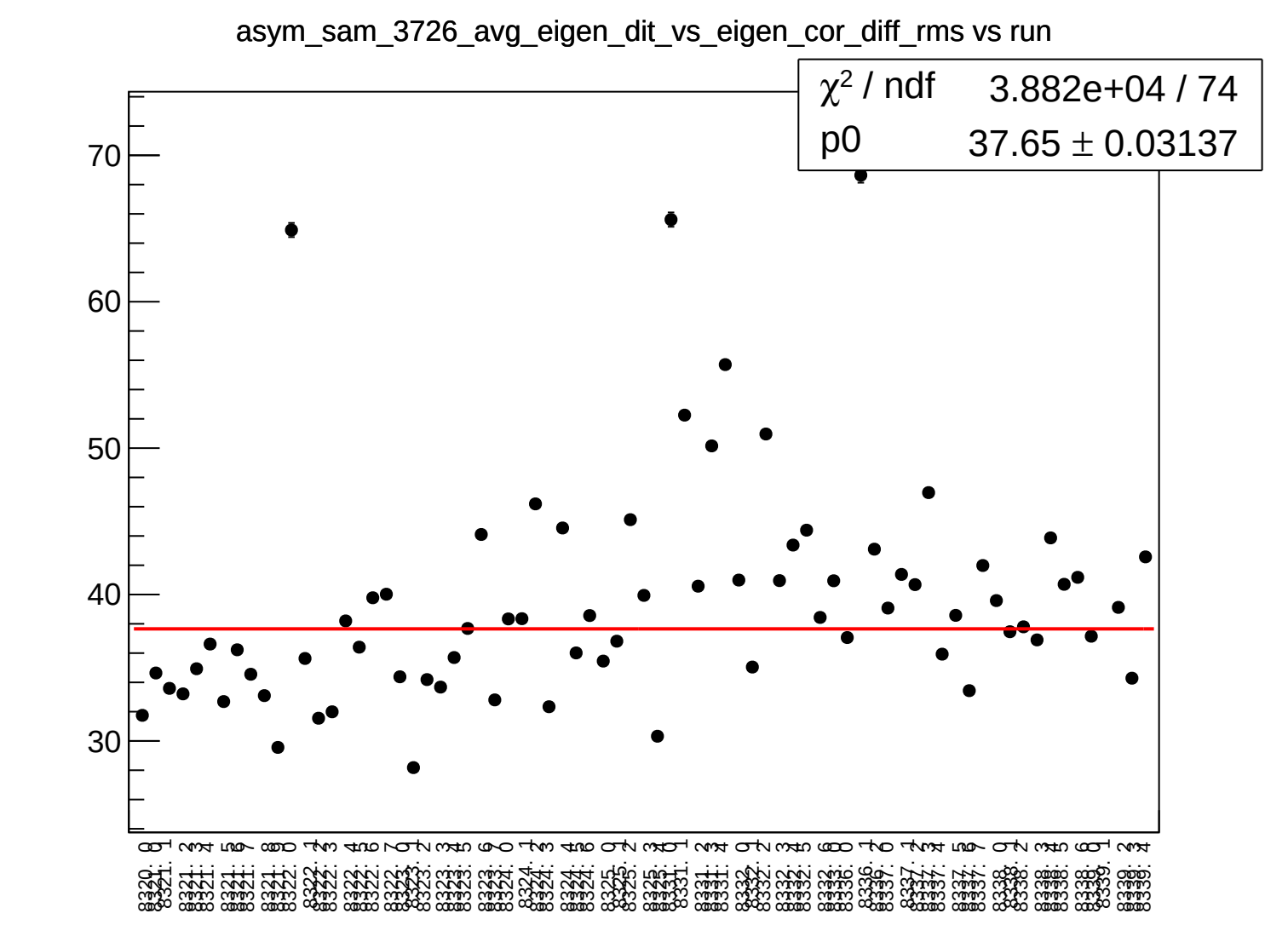

pull1D
Entries 75
Mean 0.007725
Std Dev 1.052

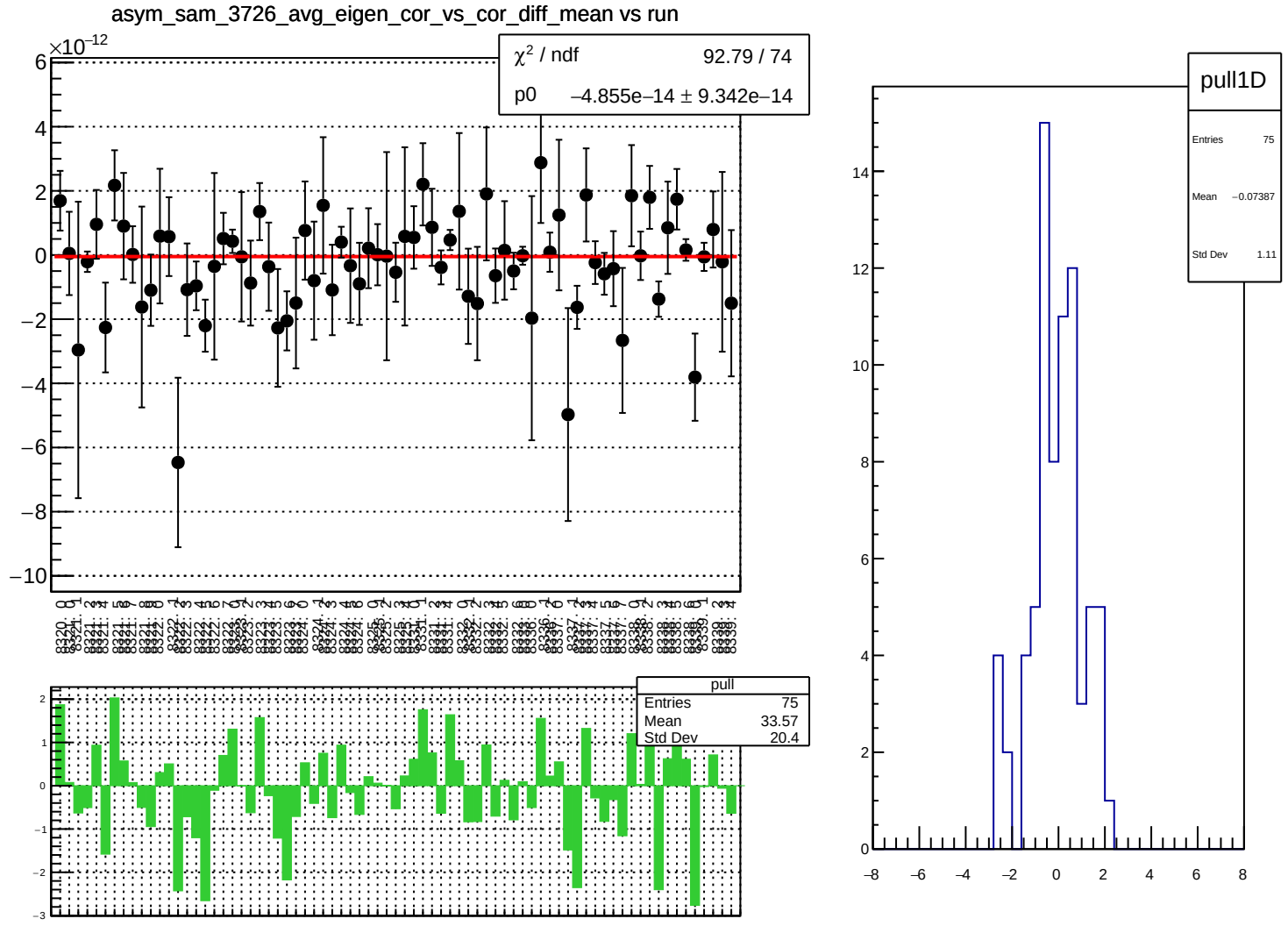

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.168e+04 / 74
p0 0.001316 ± 1.086e−06
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012
0.0011

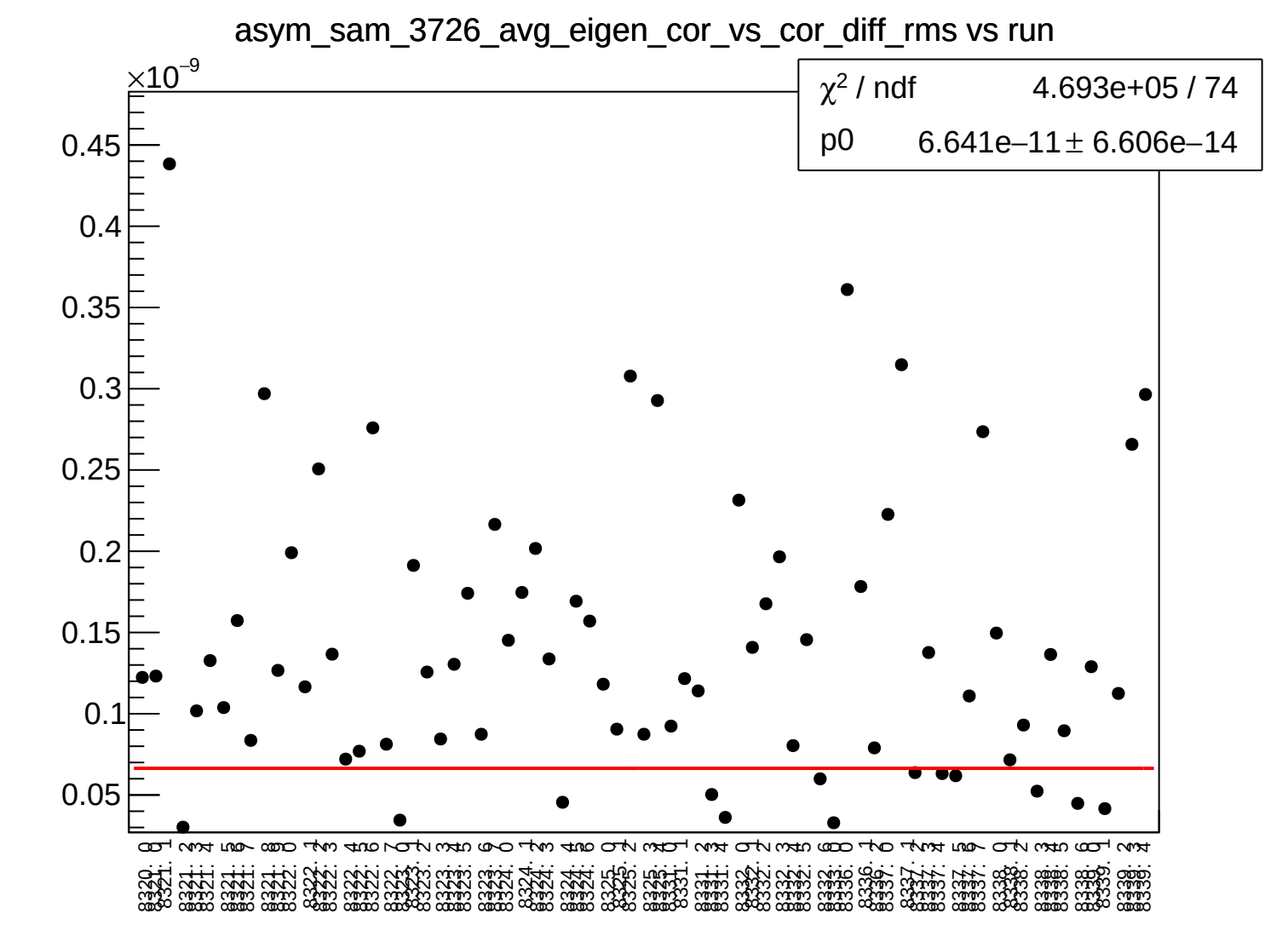

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 77.91 / 74
p0 −0.2088 ± 0.04436
pull
Entries 75
Mean 95.89
Std Dev 0
pull1D
Entries 75
Mean −0.06889
Std Dev 1.017

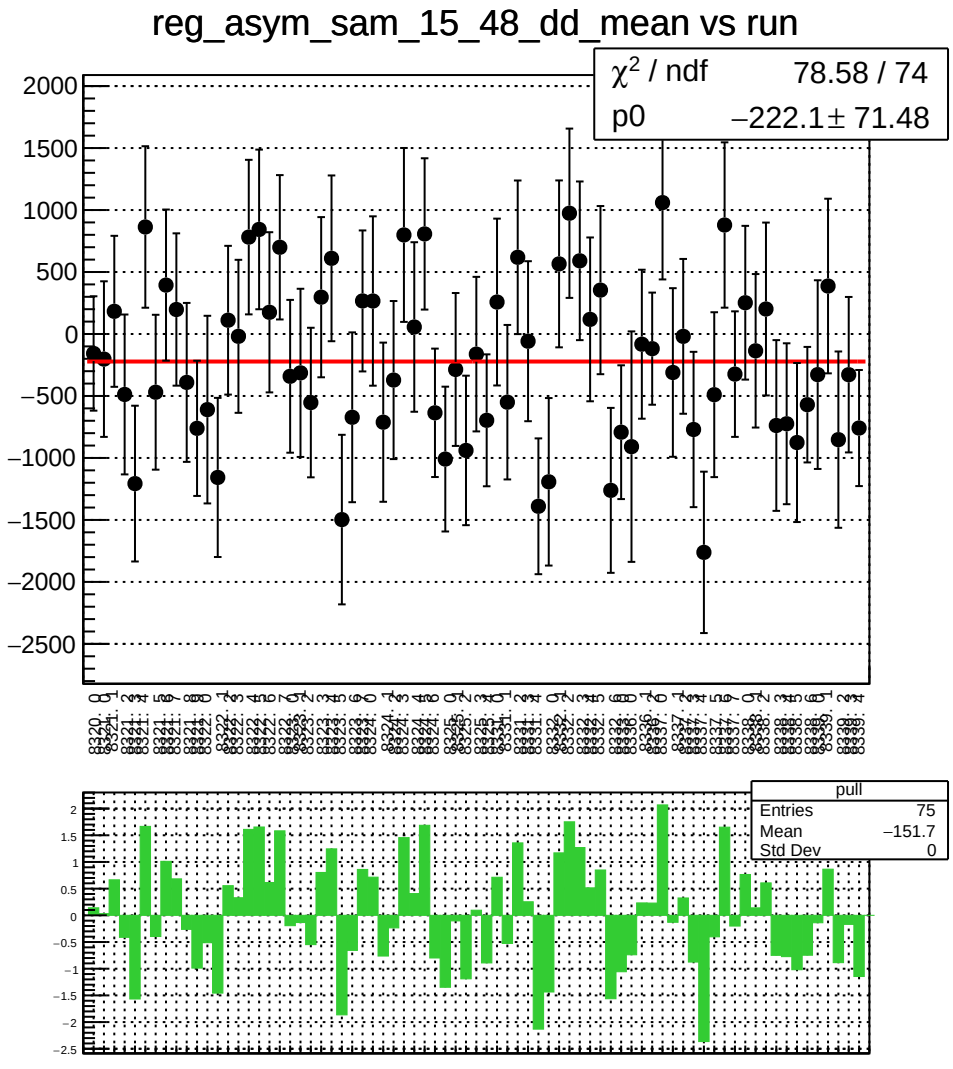

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.882e+04 / 74
p0 37.65 ± 0.03137
70
60
50
40
30

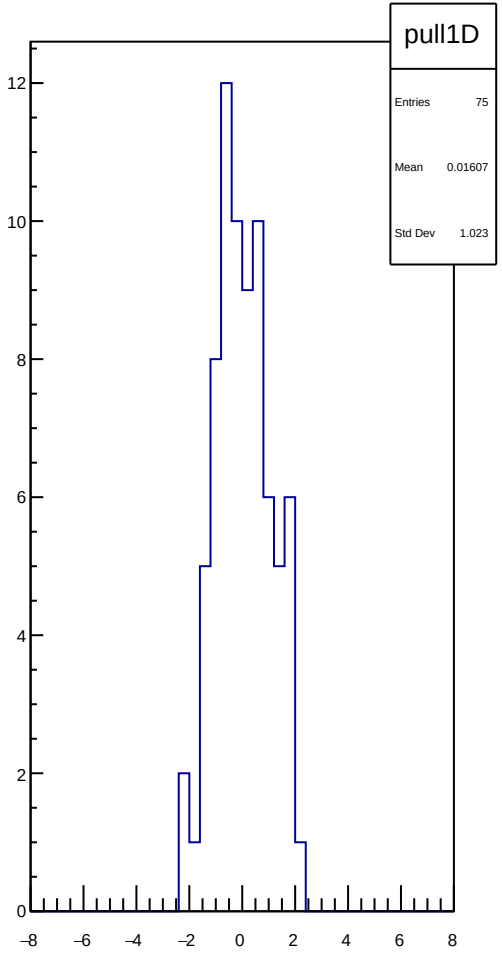

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 77.91 / 74
p0 −0.2088 ± 0.04436
pull
Entries 75
Mean 95.89
Std Dev 0
pull1D
Entries 75
Mean −0.06889
Std Dev 1.017

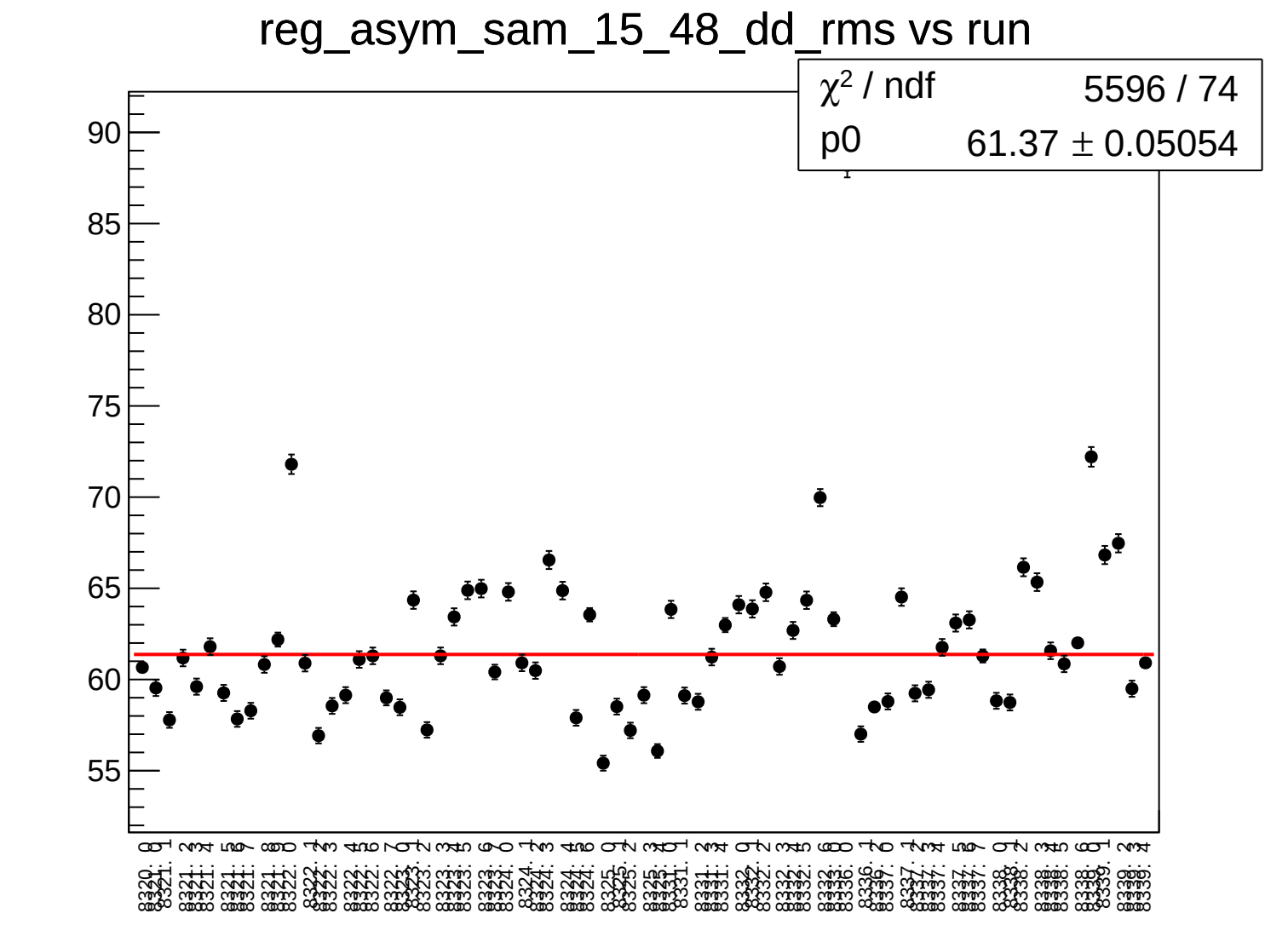

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.882e+04 / 74
p0 37.65 ± 0.03137
70
60
50
40
30

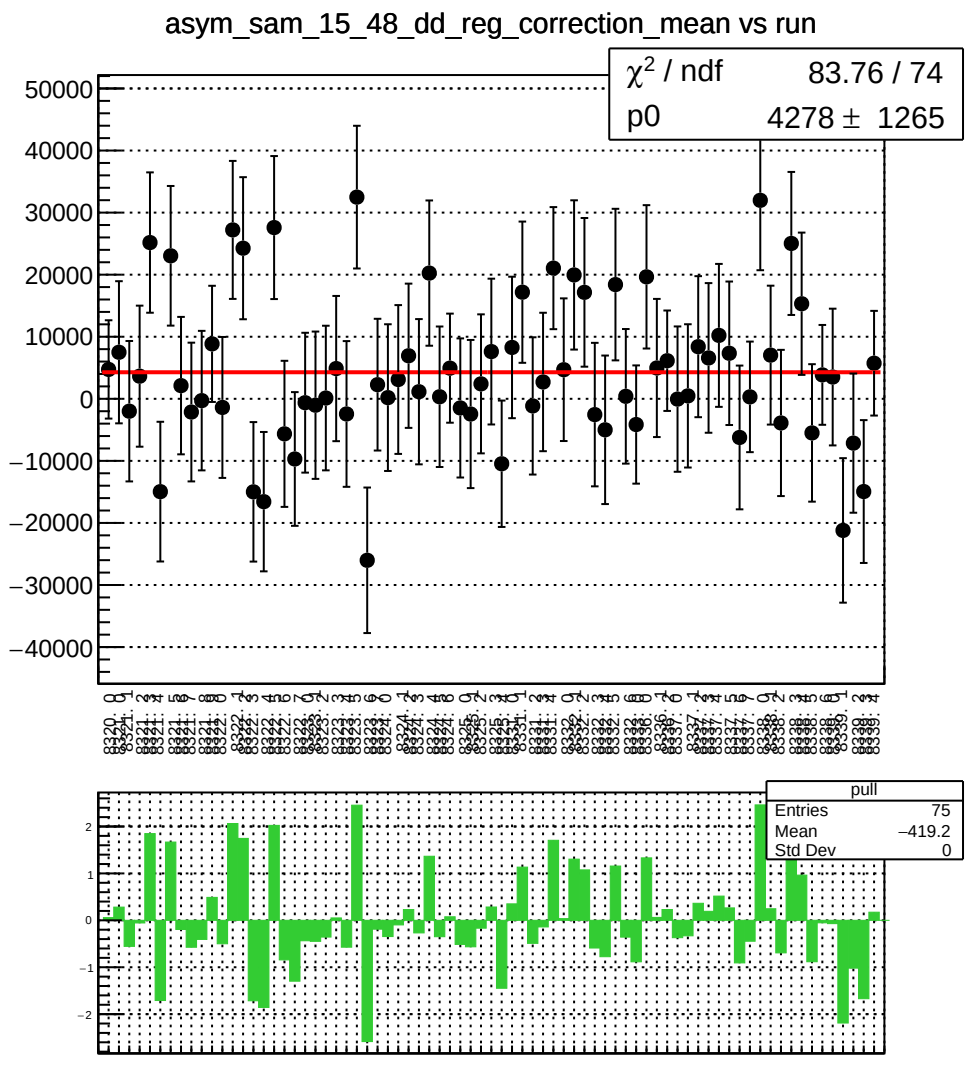

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 92.79 / 74
p0 −4.855e−14 ± 9.342e−14
pull
Entries 75
Mean 33.57
Std Dev 20.4
pull1D
Entries 75
Mean −0.07387
Std Dev 1.11

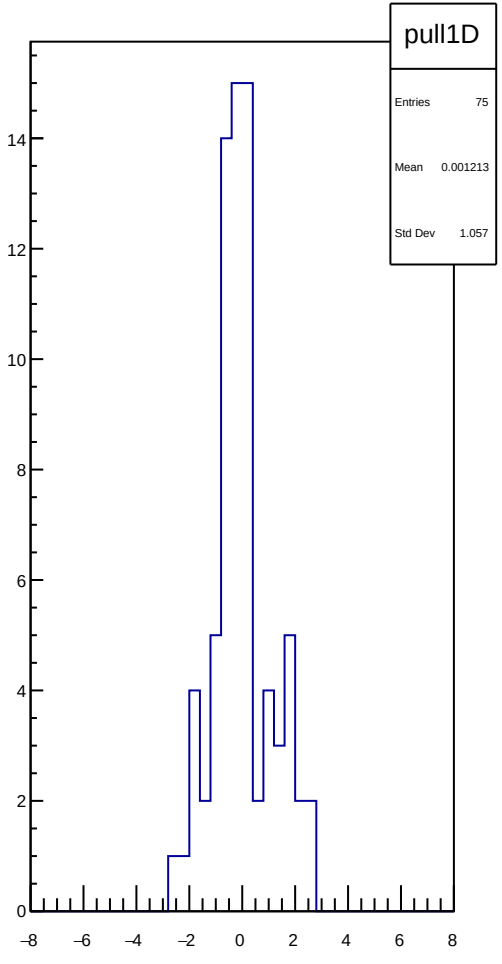

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.693e+05 / 74
p0 6.641e−11 ± 6.606e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

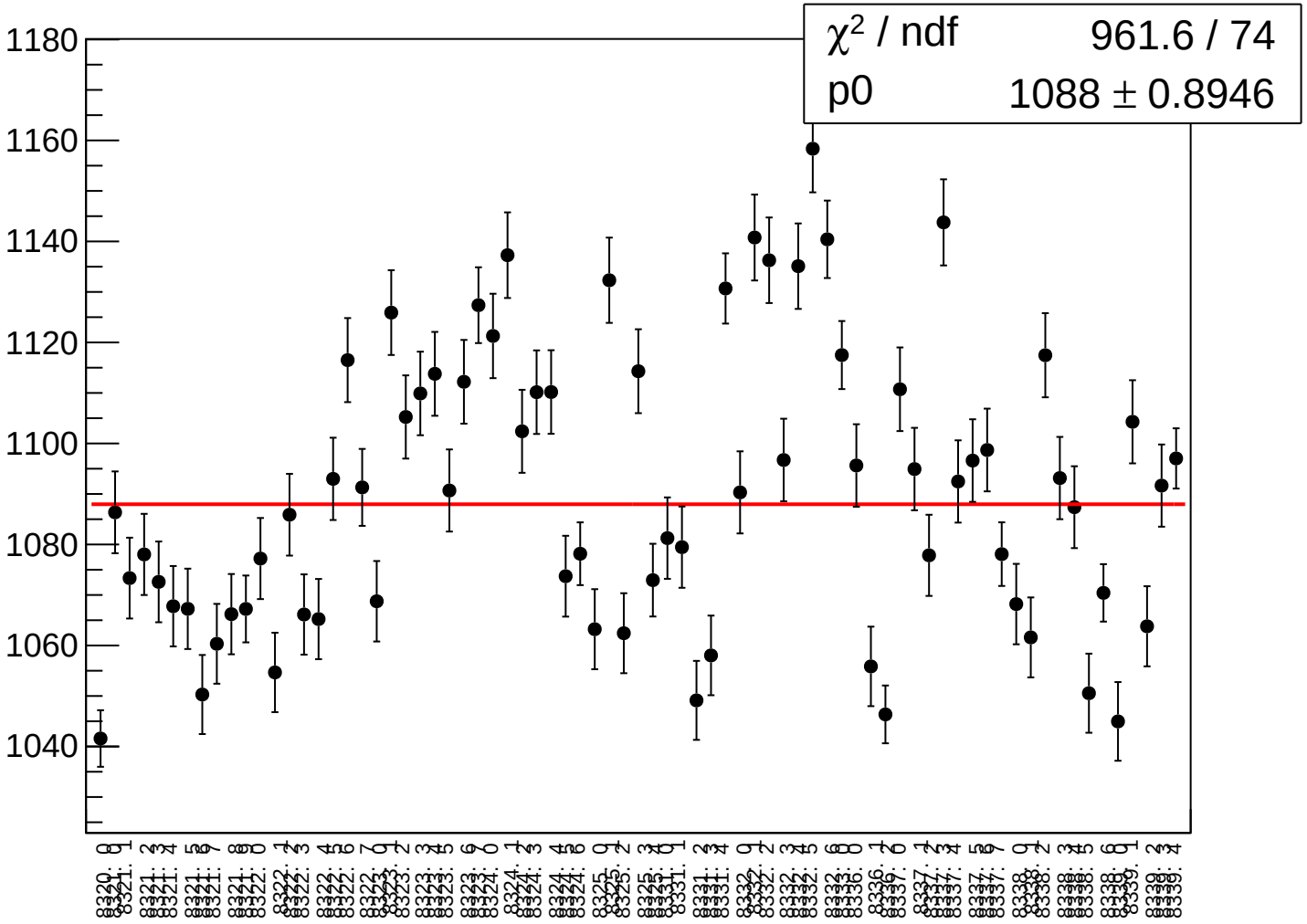

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.58 / 74
p0 −222.1± 71.48
pull
Entries 75
Mean −151.7
Std Dev 0

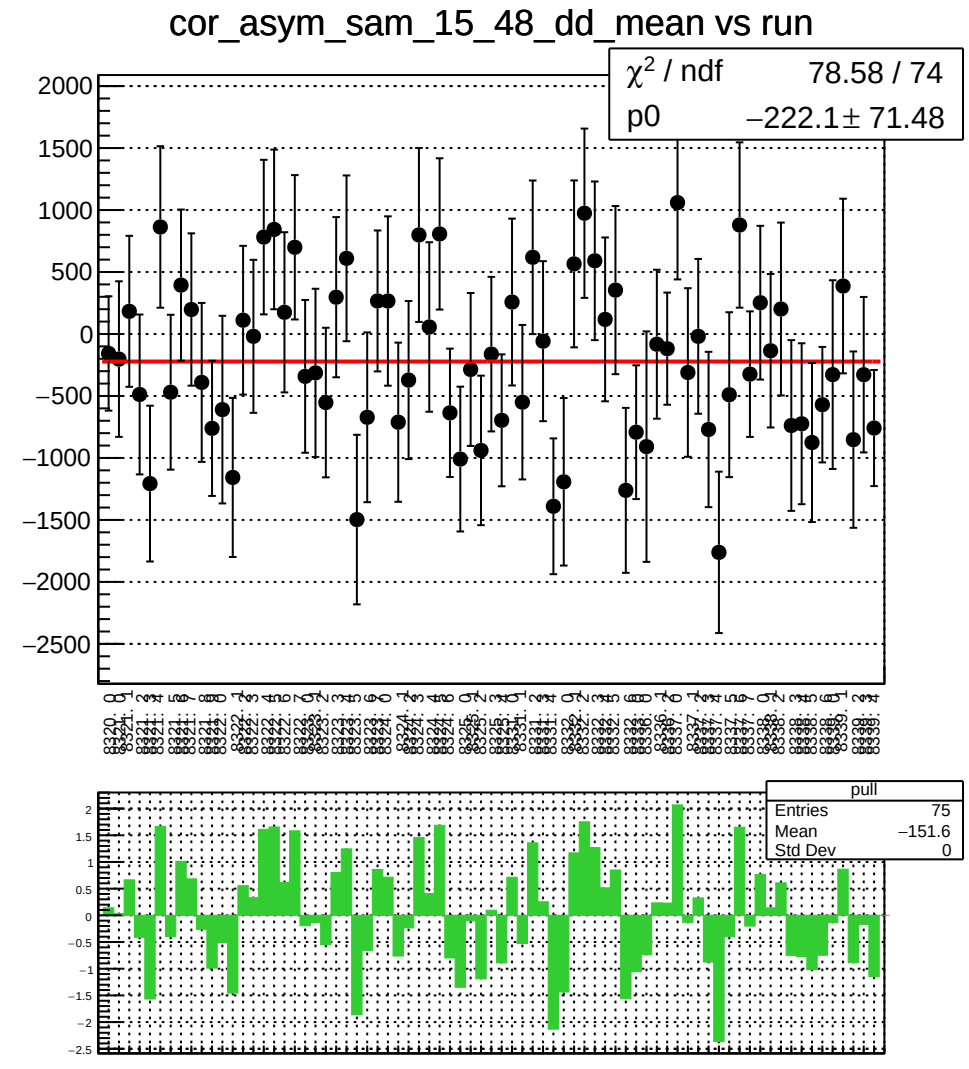

pull1D
Entries 75
Mean 0.01607
Std Dev 1.023

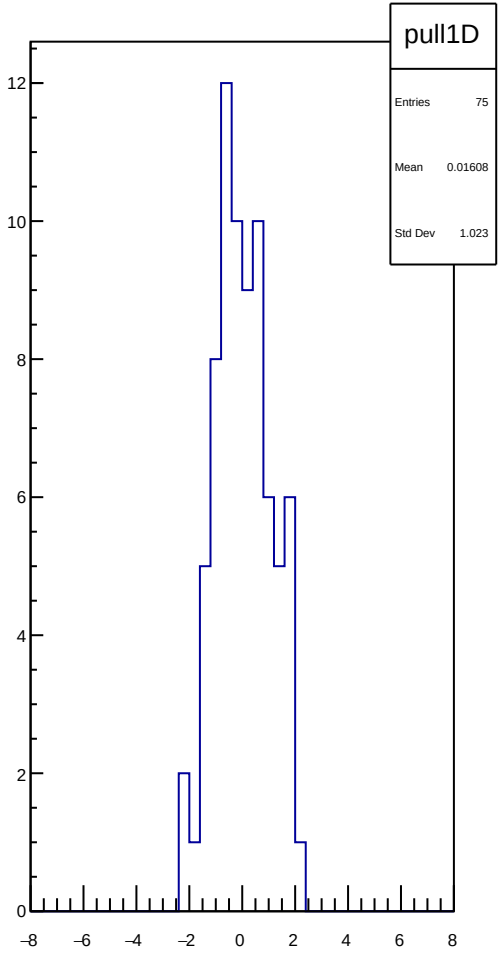

reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5596 / 74
p0 61.37 ± 0.05054
90
85
80
75
70
65
60
55

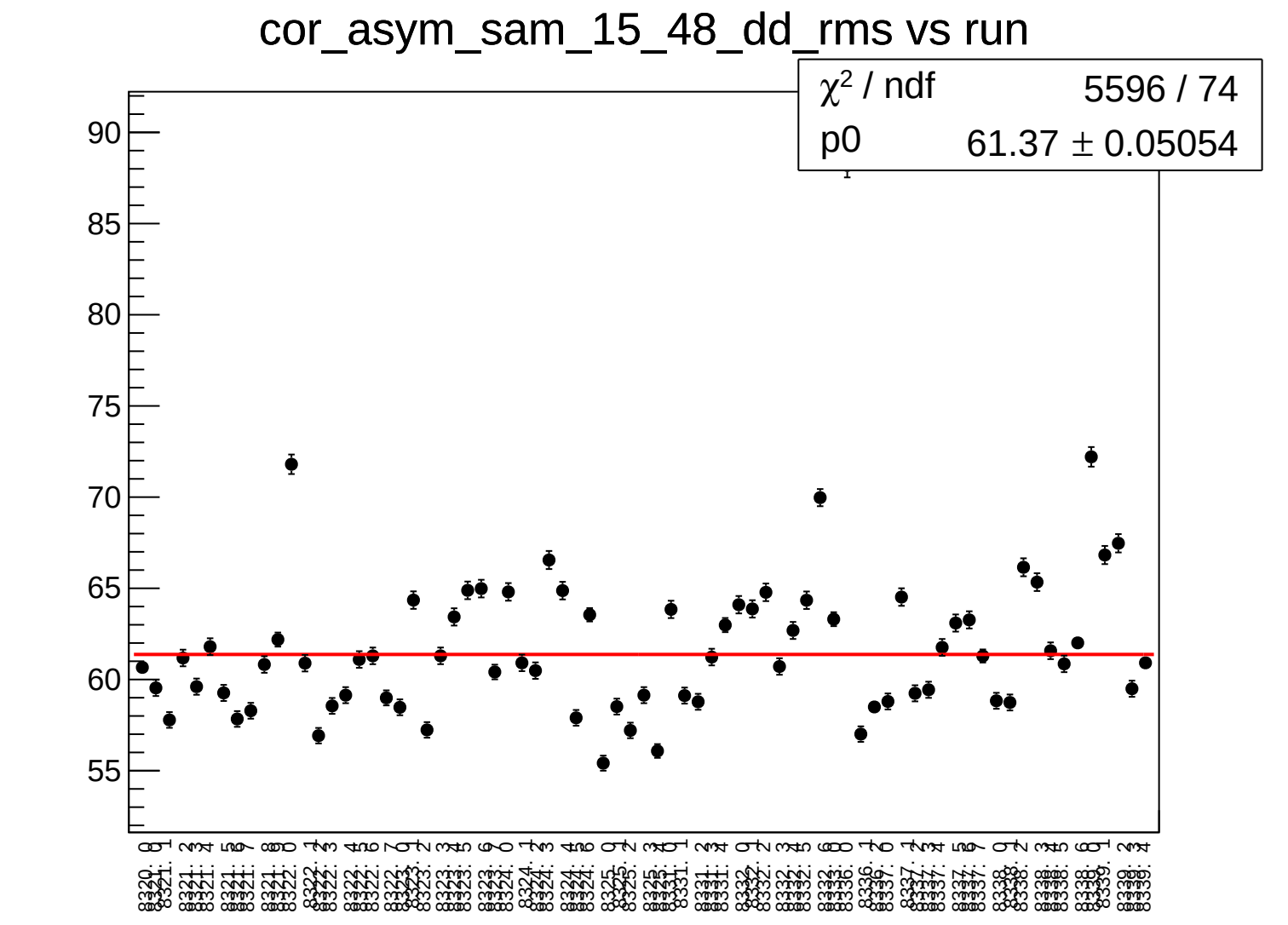

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 83.76 / 74
p0 4278 ± 1265
pull
Entries 75
Mean −419.2
Std Dev 0

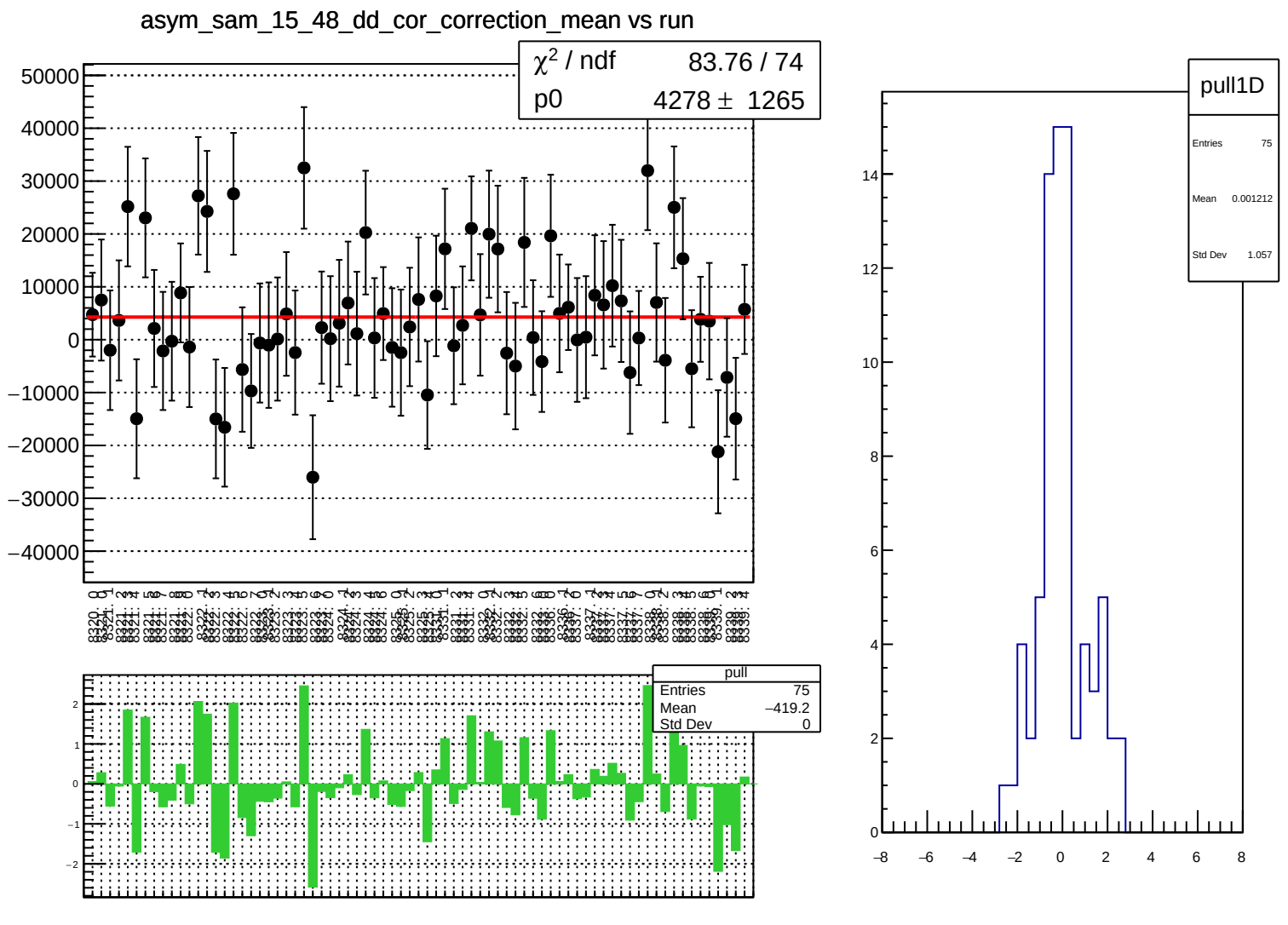

pull1D
Entries 75
Mean 0.001213
Std Dev 1.057

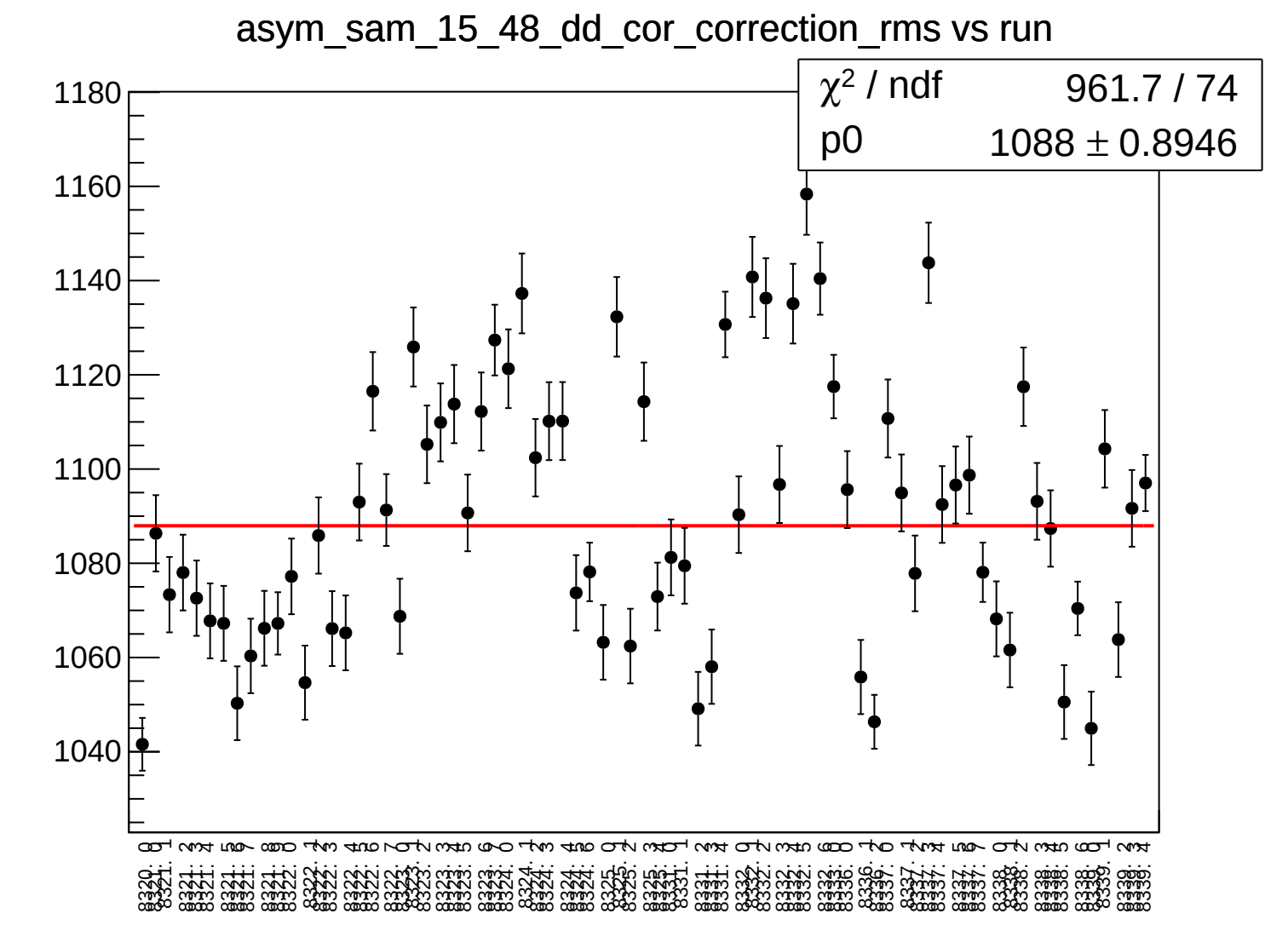

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 961.6 / 74
p0 1088 ± 0.8946
1180
1160
1140
1120
1100
1080
1060
1040

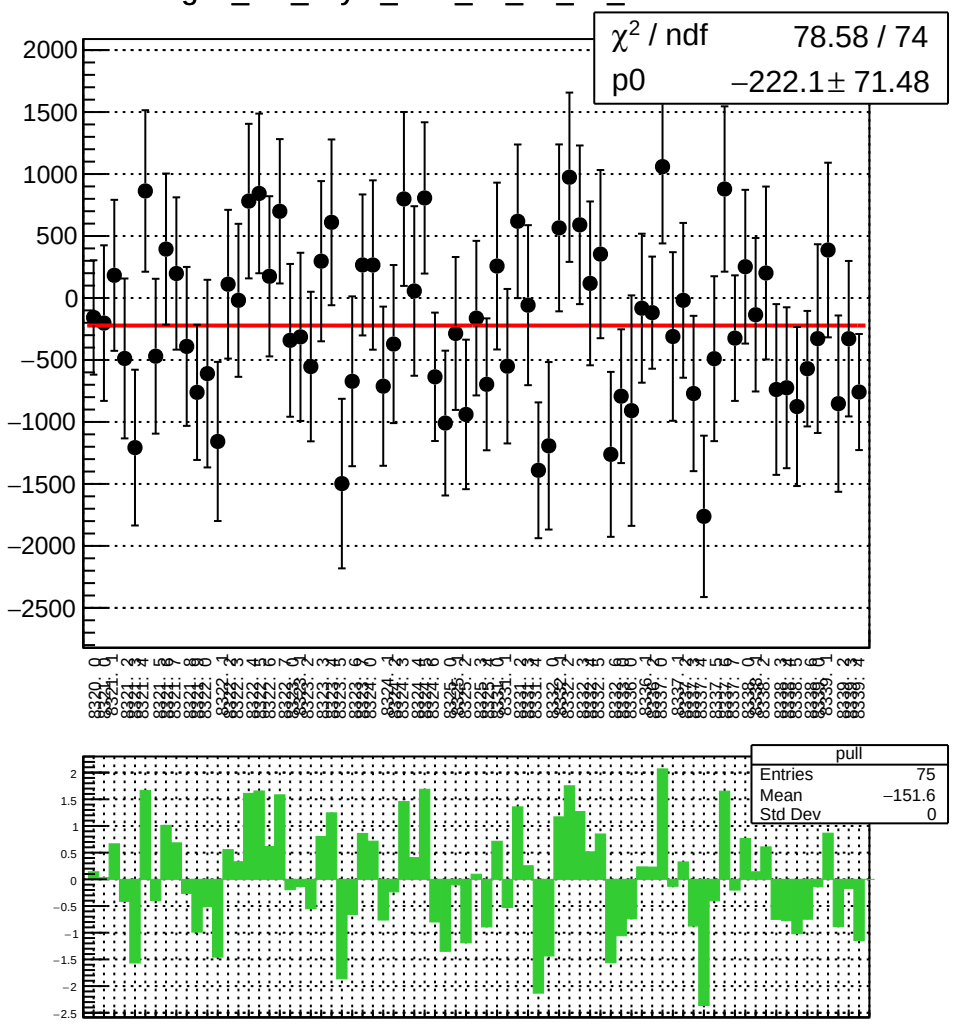

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.58 / 74
p0 −222.1± 71.48
pull
Entries 75
Mean −151.6
Std Dev 0

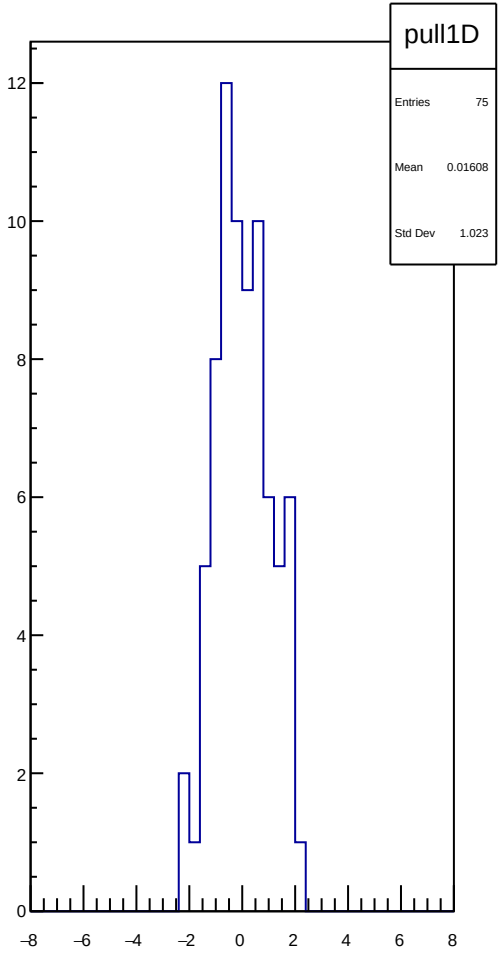

pull1D
Entries 75
Mean 0.01608
Std Dev 1.023

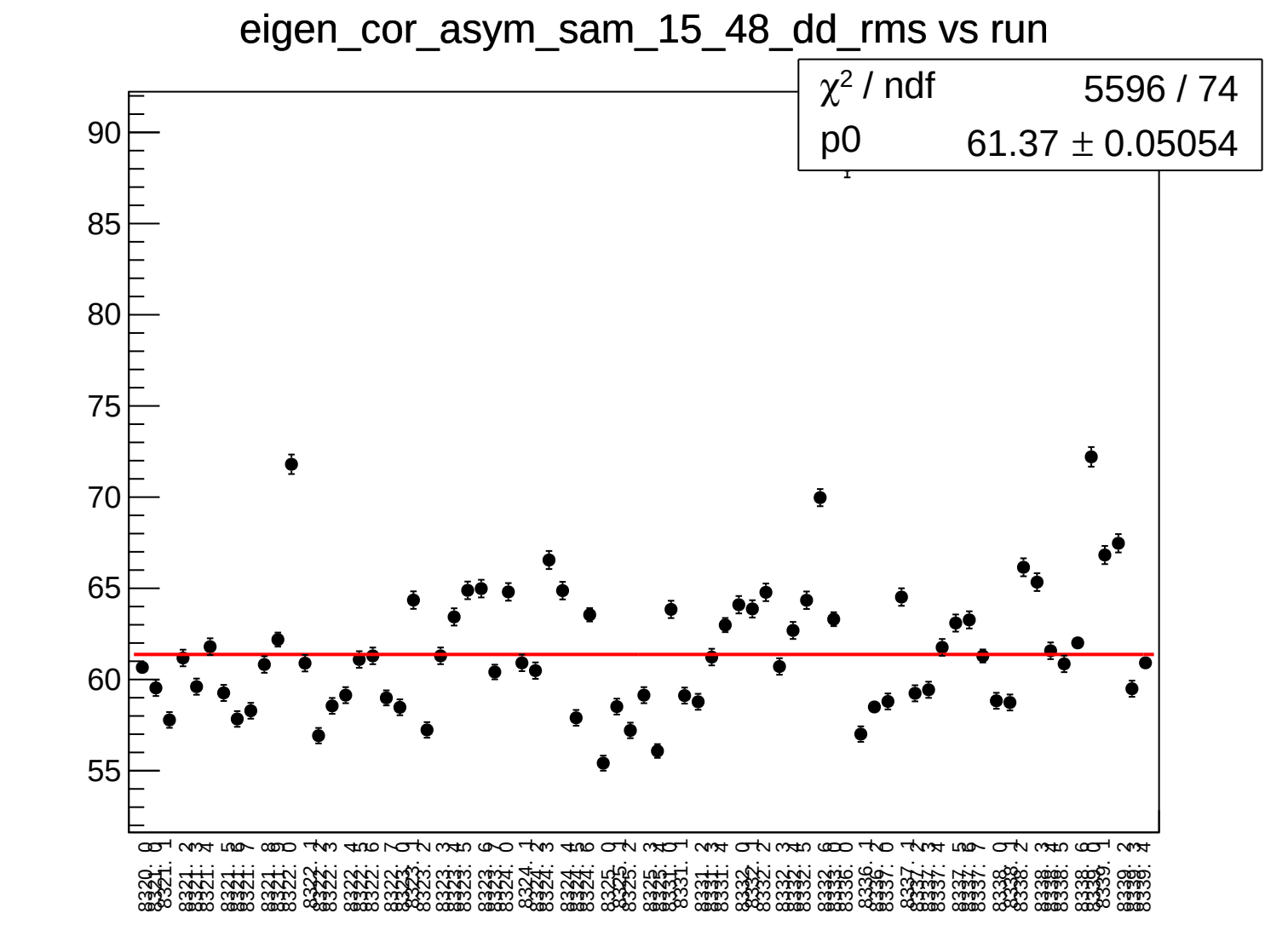

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 5596 / 74
p0 61.37 ± 0.05054
90
85
80
75
70
65
60
55

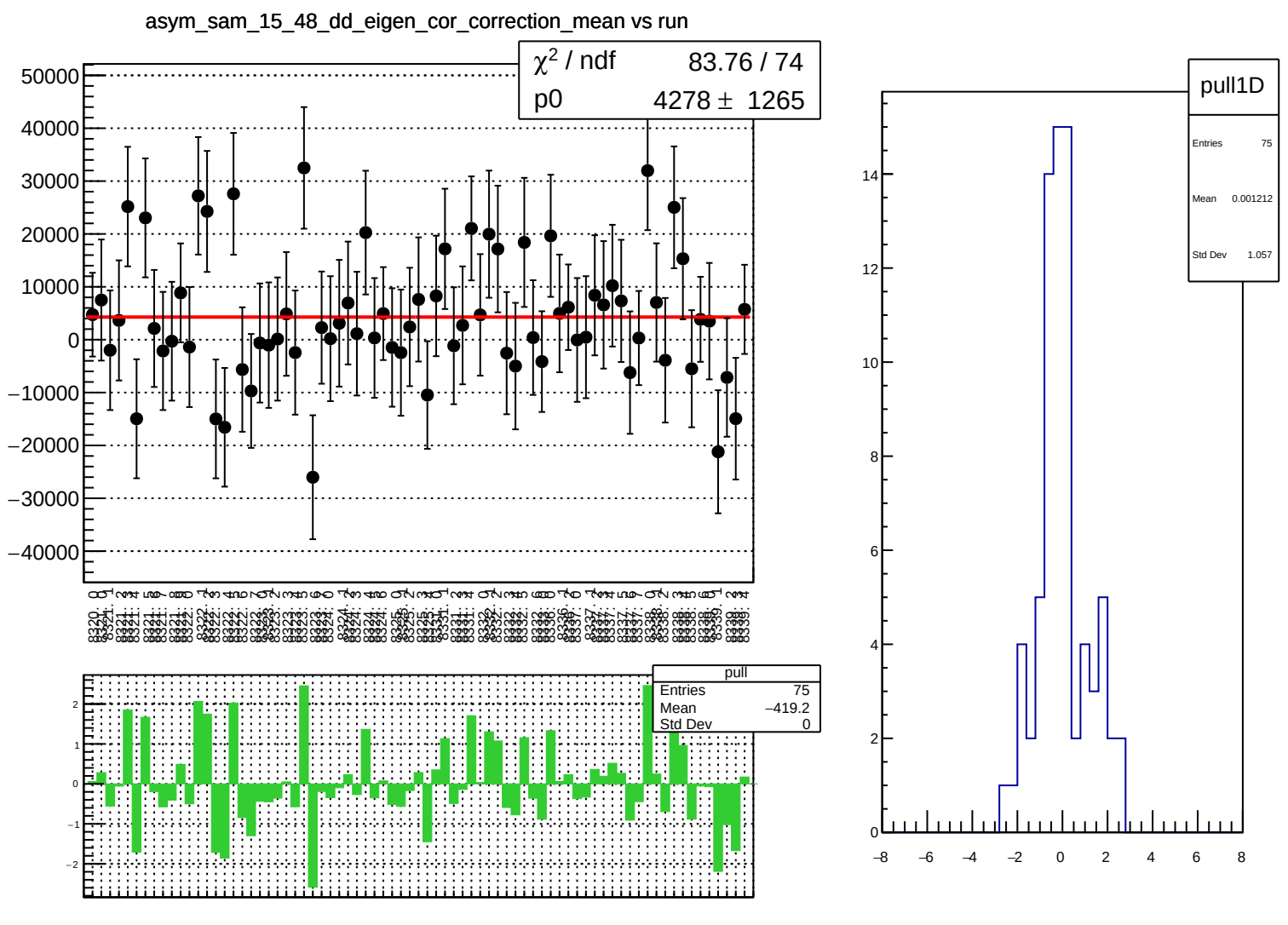

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 83.76 / 74
p0 4278 ± 1265
pull
Entries 75
Mean −419.2
Std Dev 0
pull1D
Entries 75
Mean 0.001212
Std Dev 1.057

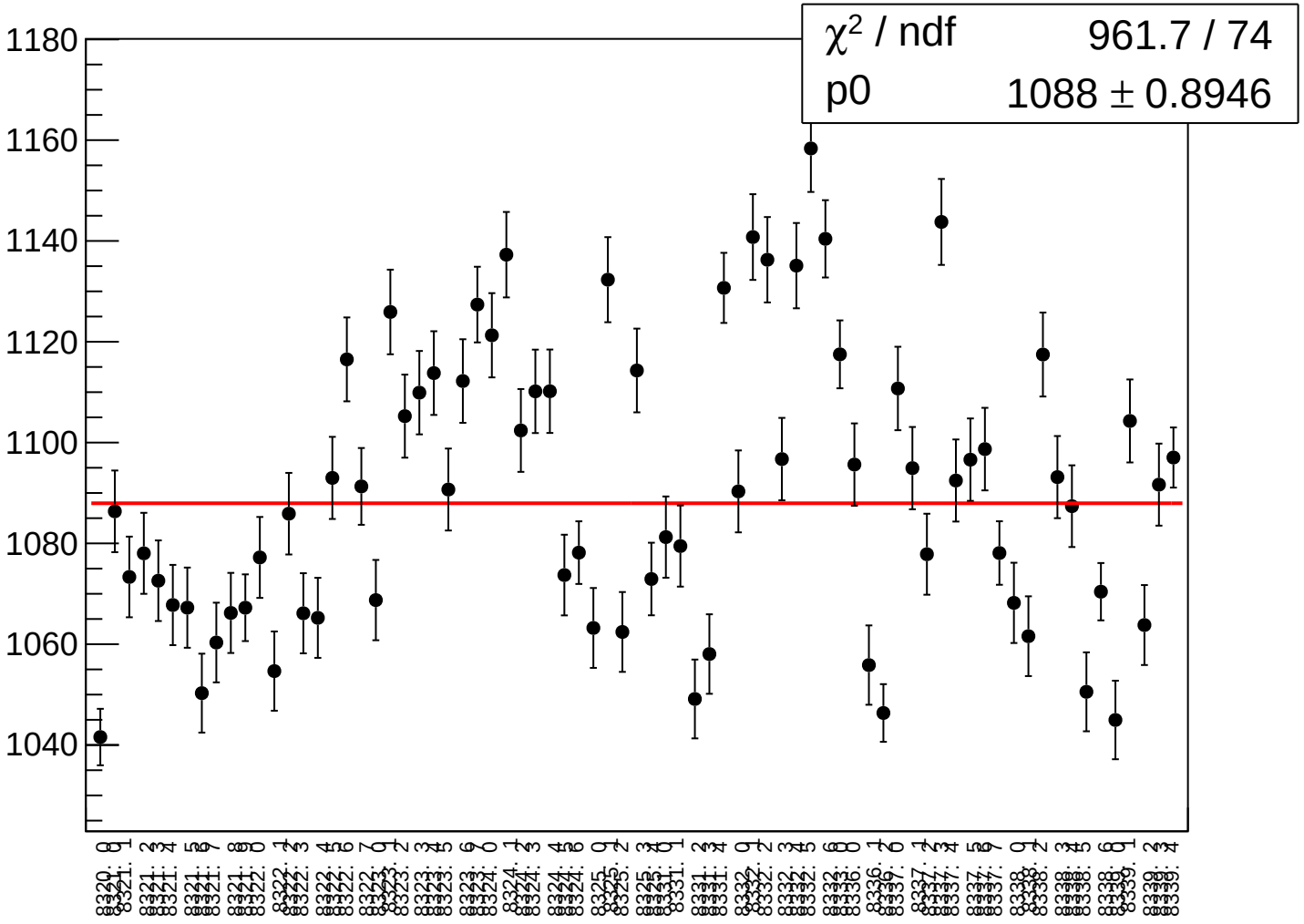

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 961.7 / 74
p0 1088 ± 0.8946
1180
1160
1140
1120
1100
1080
1060
1040

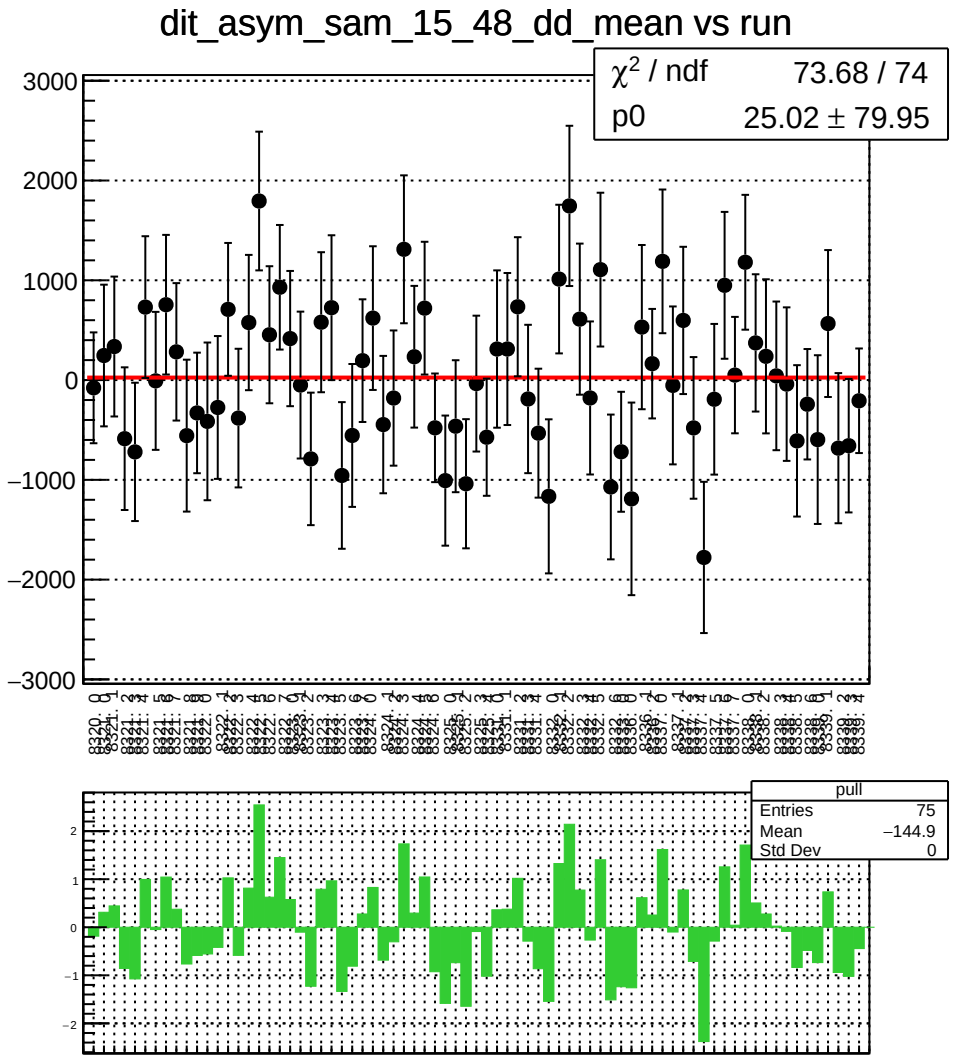

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.58 / 74
p0 −222.1± 71.48
pull
Entries 75
Mean −151.6
Std Dev 0

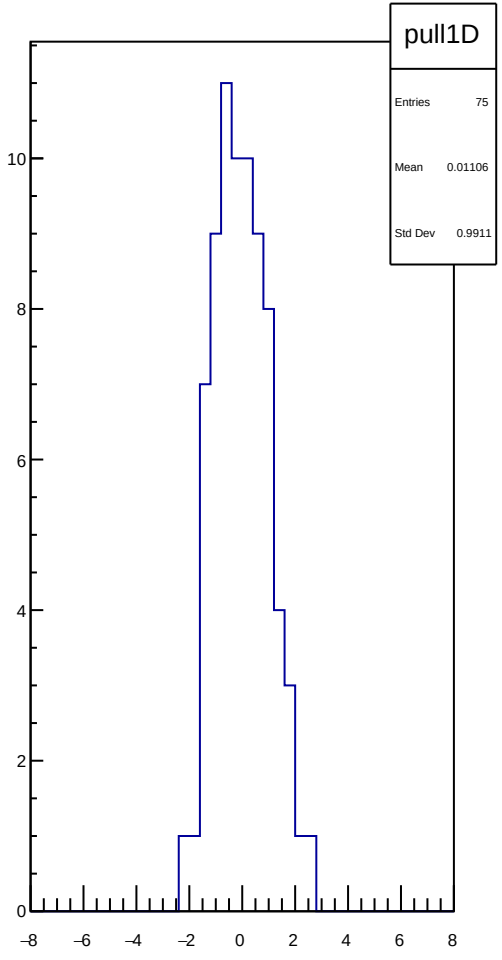

pull1D
Entries 75
Mean 0.01608
Std Dev 1.023

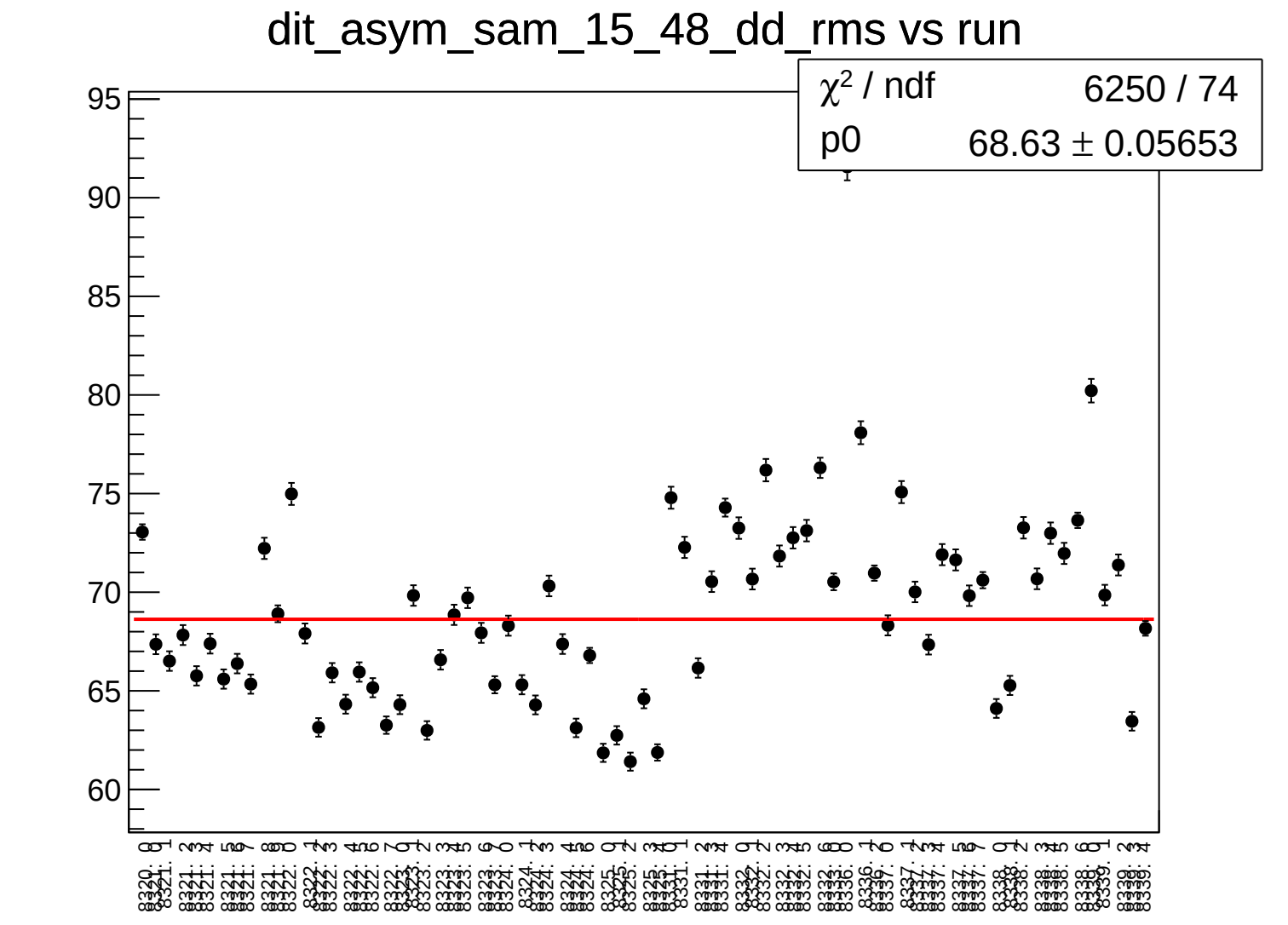

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 5596 / 74
p0 61.37 ± 0.05054
90
85
80
75
70
65
60
55

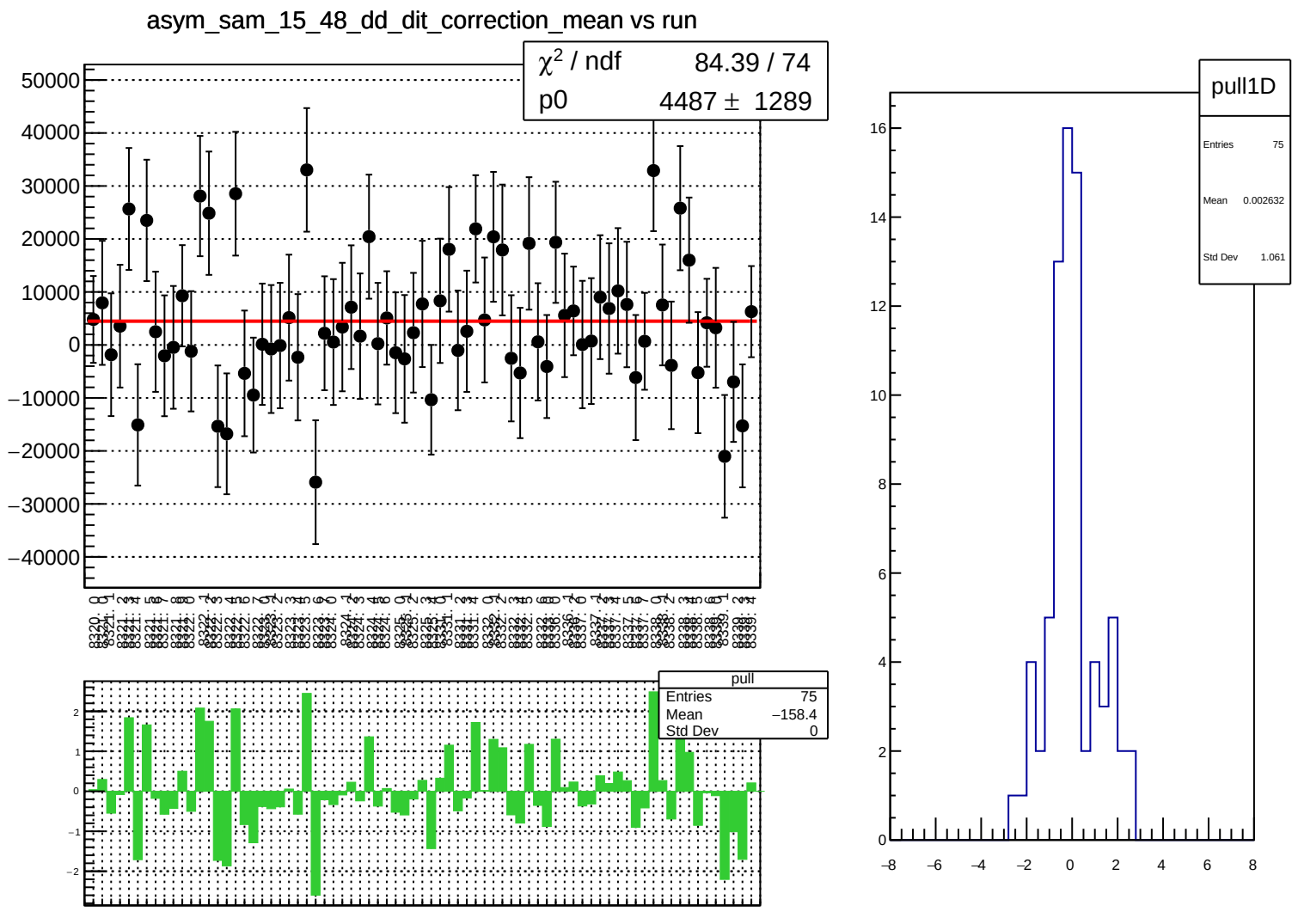

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 83.76 / 74
p0 4278 ± 1265
pull
Entries 75
Mean −419.2
Std Dev 0
pull1D
Entries 75
Mean 0.001212
Std Dev 1.057

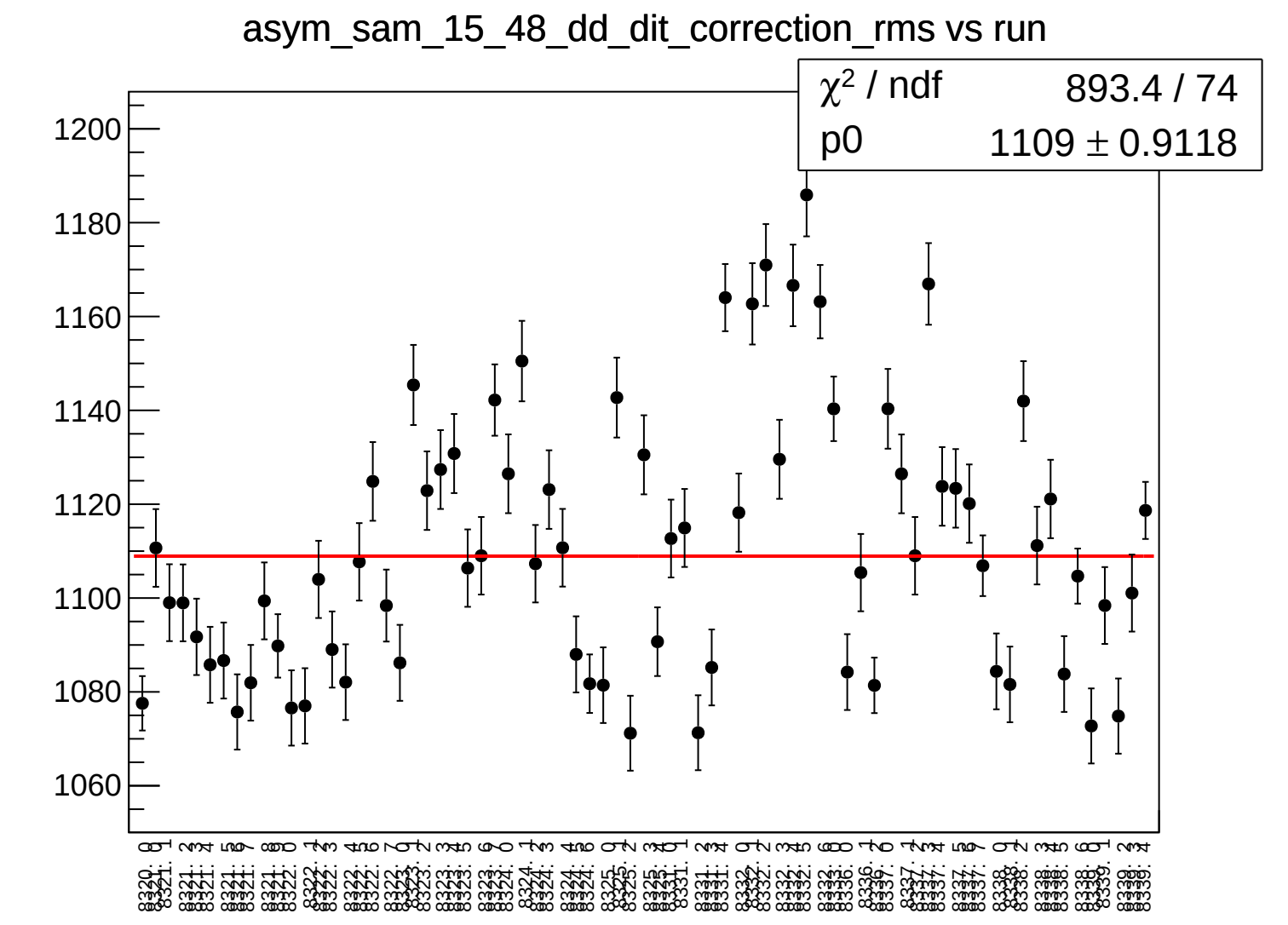

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 961.7 / 74
p0 1088 ± 0.8946
1180
1160
1140
1120
1100
1080
1060
1040

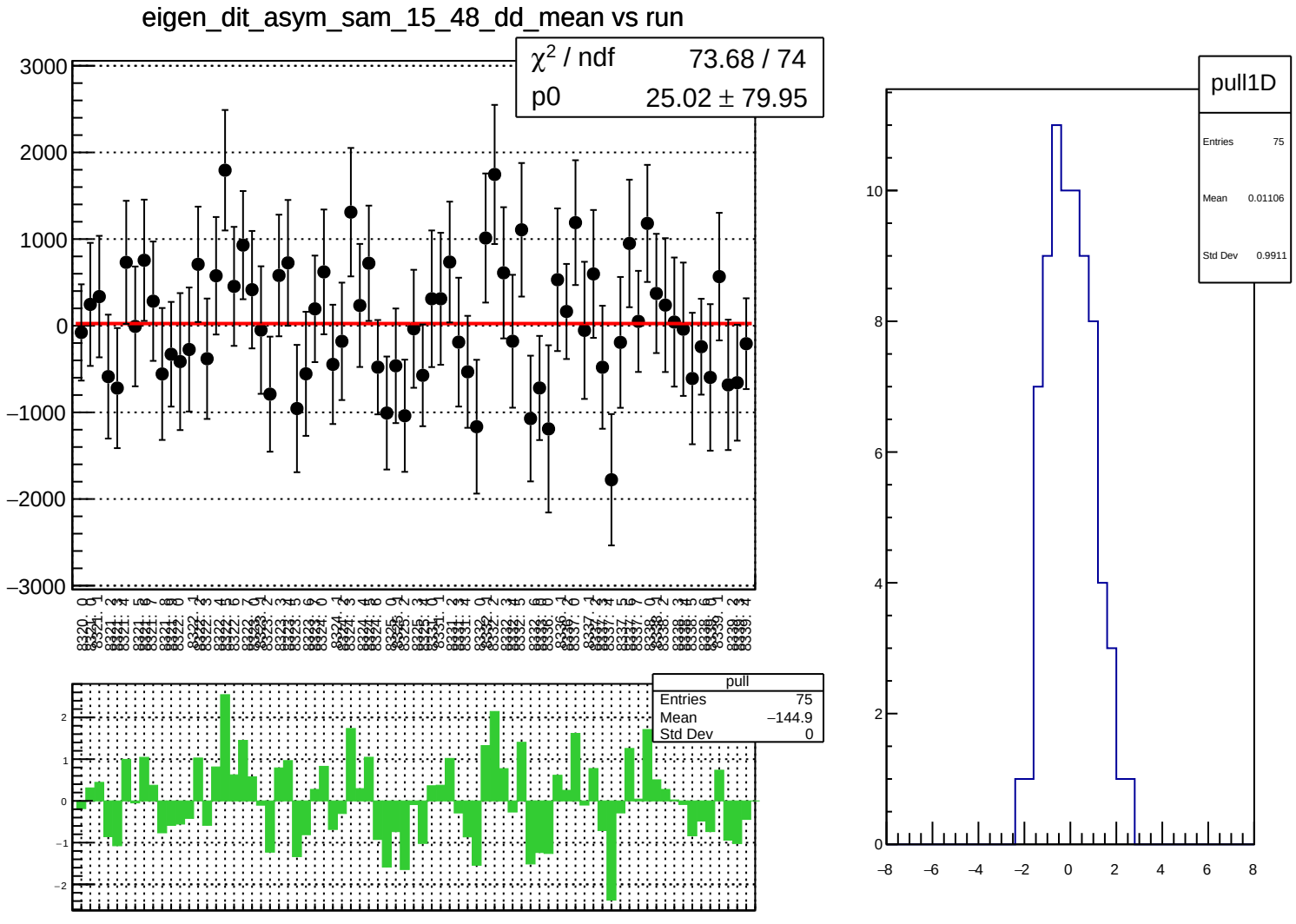

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 73.68 / 74
p0 25.02 ± 79.95
pull
Entries 75
Mean −144.9
Std Dev 0

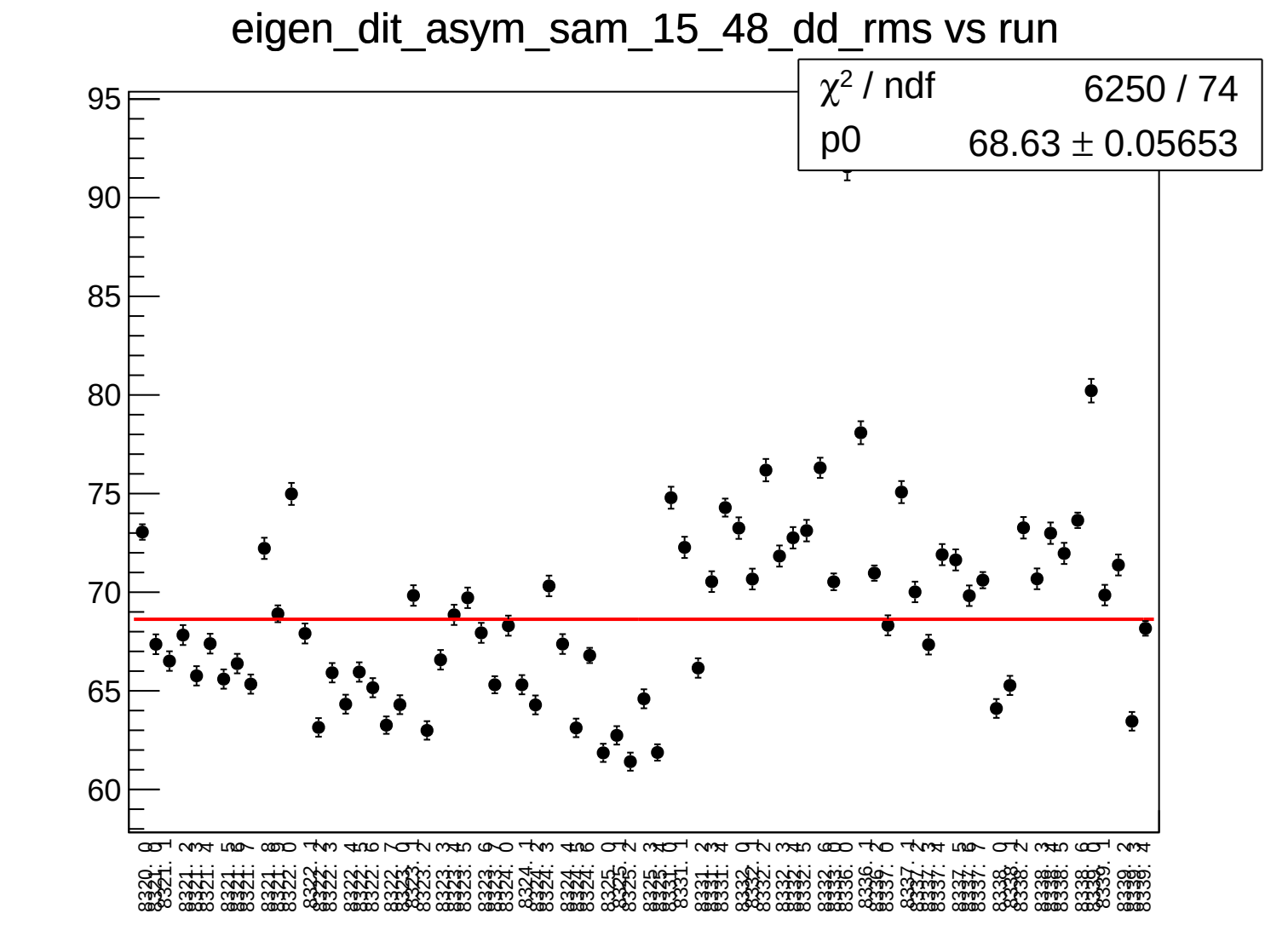

pull1D
Entries 75
Mean 0.01106
Std Dev 0.9911

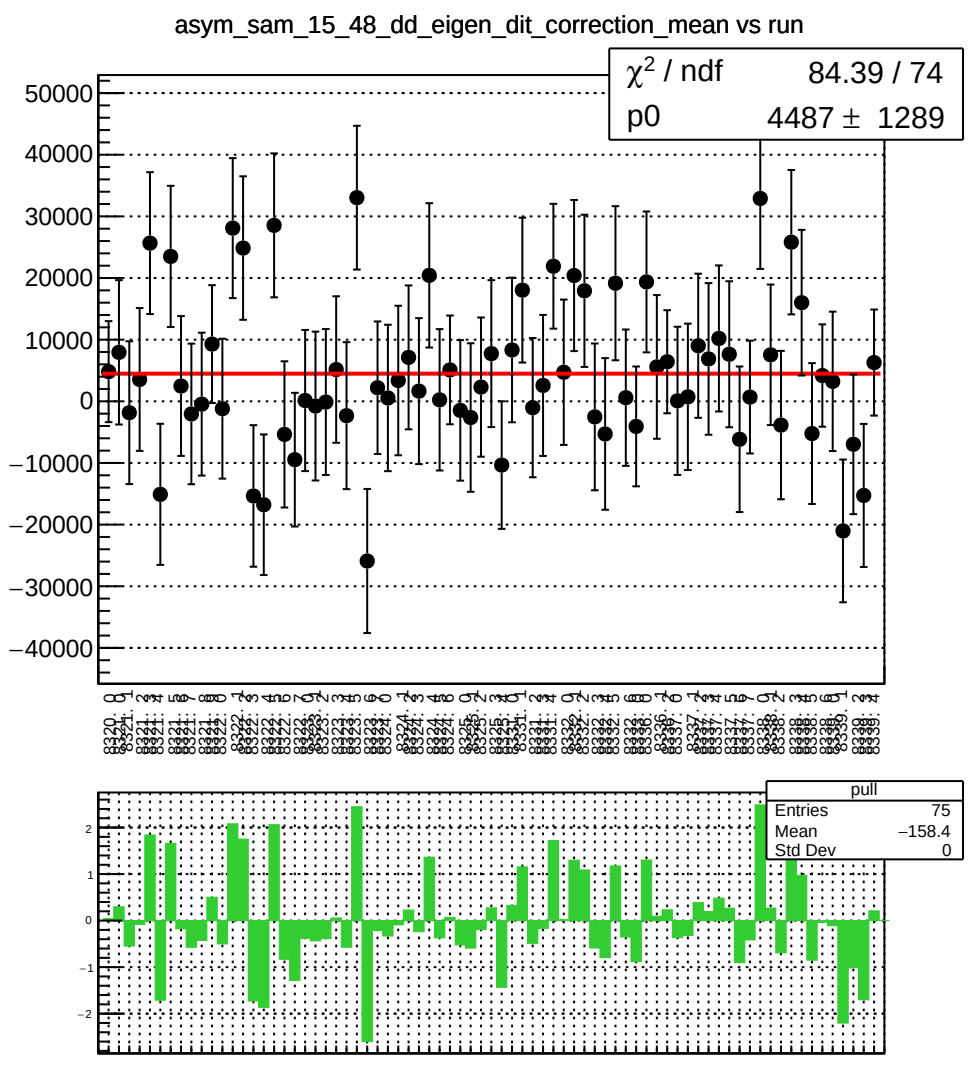

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 6250 / 74
p0 68.63 ± 0.05653
95
90
85
80
75
70
65
60

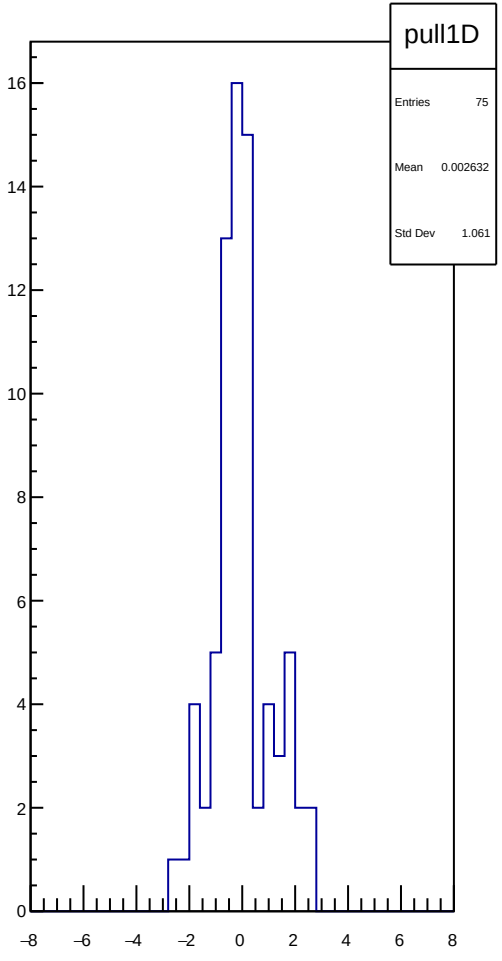

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 84.39 / 74
p0 4487 ± 1289
pull
Entries 75
Mean −158.4
Std Dev 0
pull1D
Entries 75
Mean 0.002632
Std Dev 1.061

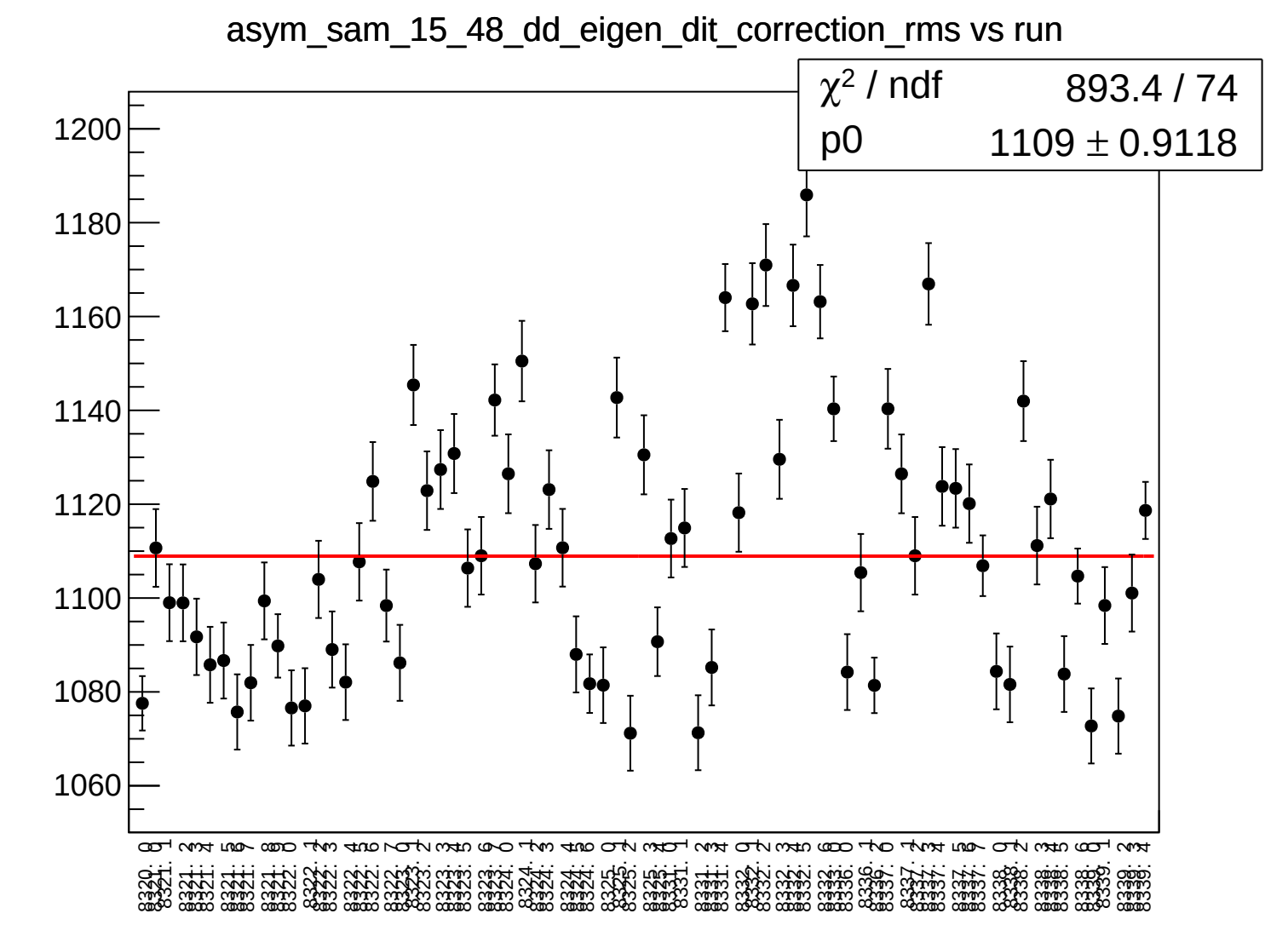

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 893.4 / 74
p0 1109 ± 0.9118
1200
1180
1160
1140
1120
1100
1080
1060

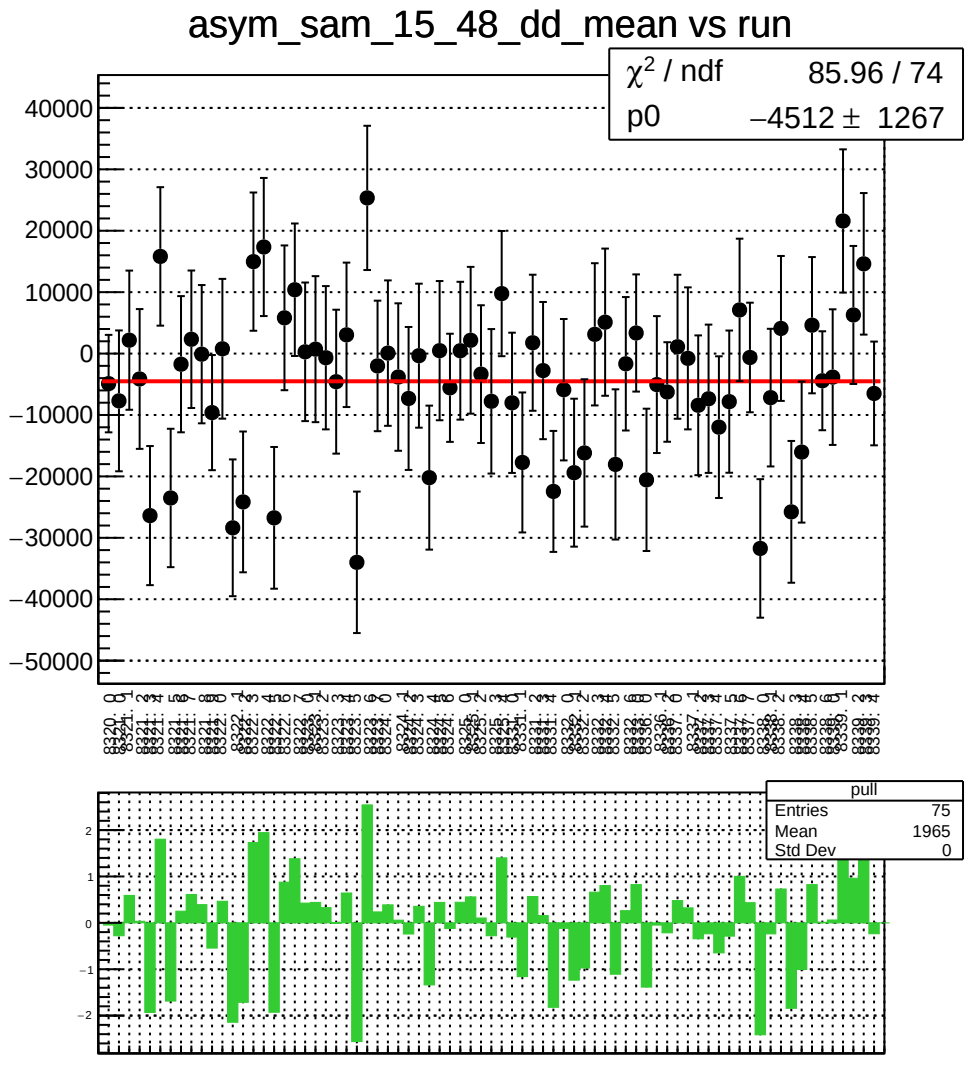

eigen_dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 73.68 / 74
p0 25.02 ± 79.95
pull
Entries 75
Mean −144.9
Std Dev 0
pull1D
Entries 75
Mean 0.01106
Std Dev 0.9911

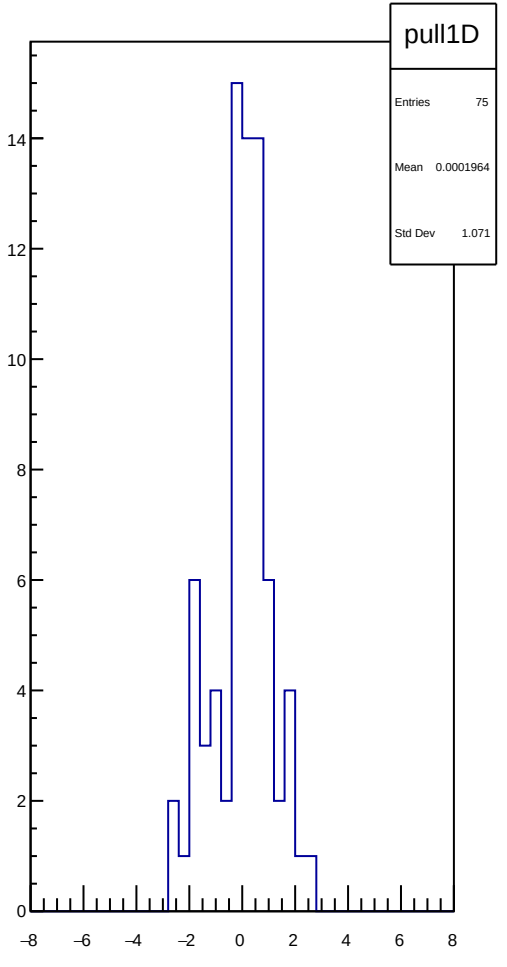

eigen_dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 6250 / 74
p0 68.63 ± 0.05653
95
90
85
80
75
70
65
60

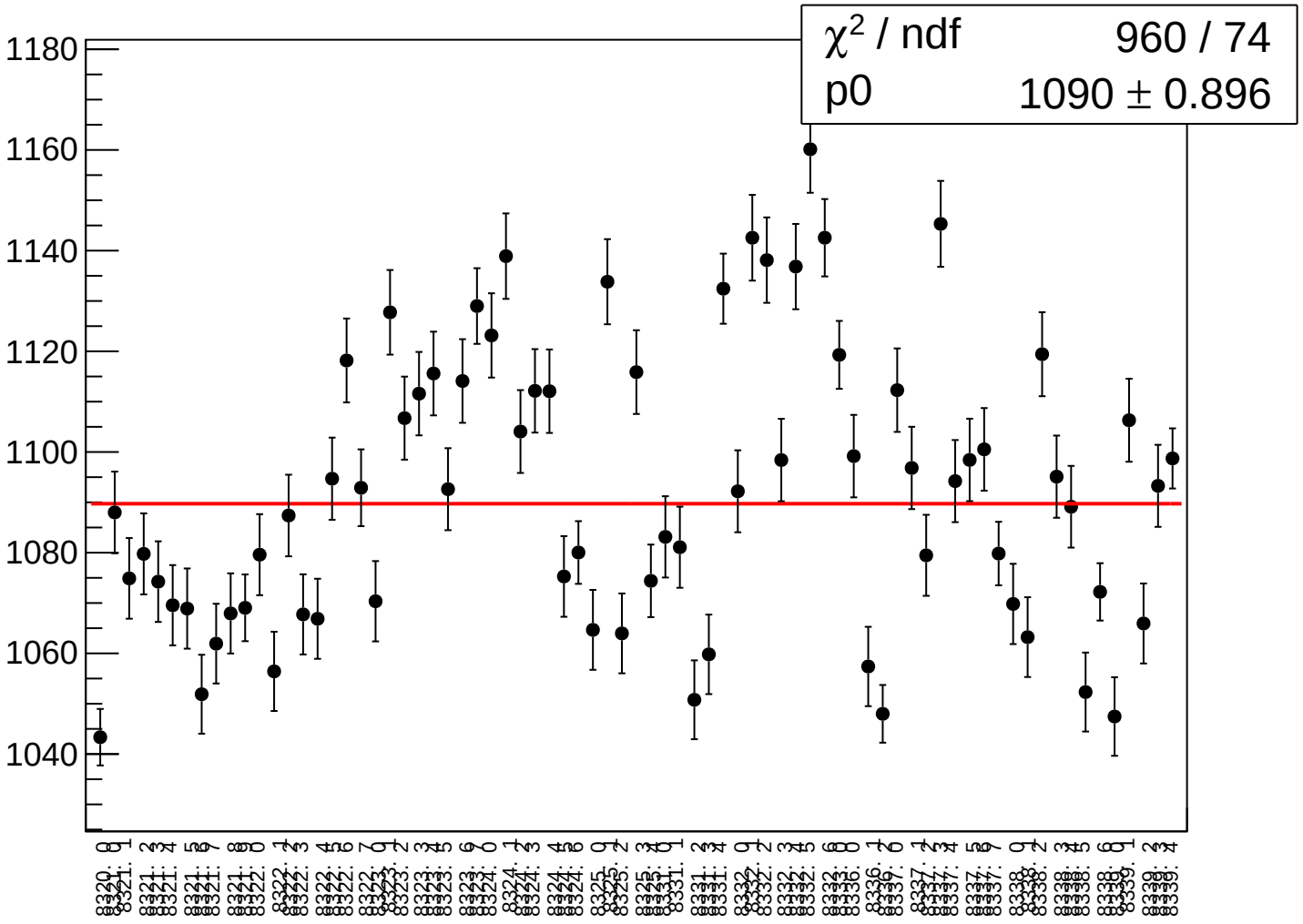

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 84.39 / 74
p0 4487 ± 1289
pull
Entries 75
Mean −158.4
Std Dev 0

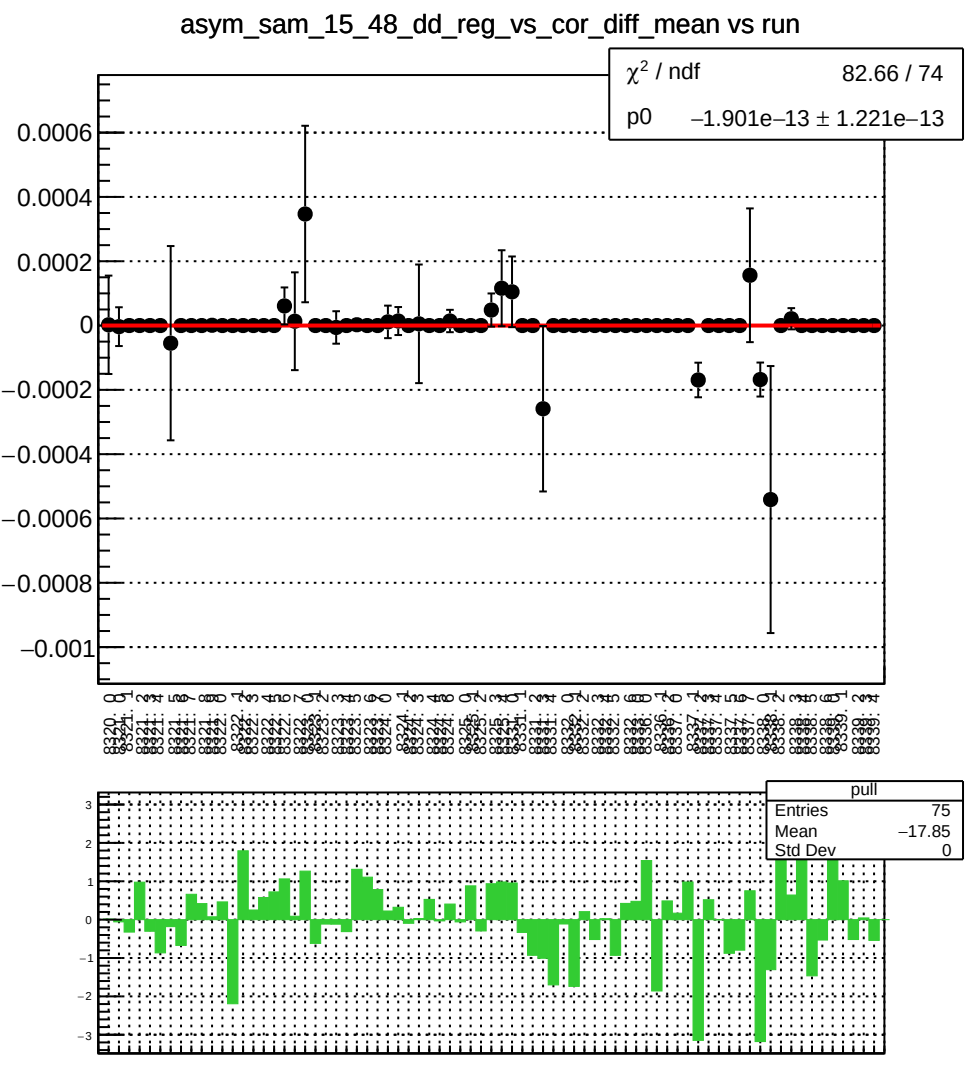

pull1D
Entries 75
Mean 0.002632
Std Dev 1.061

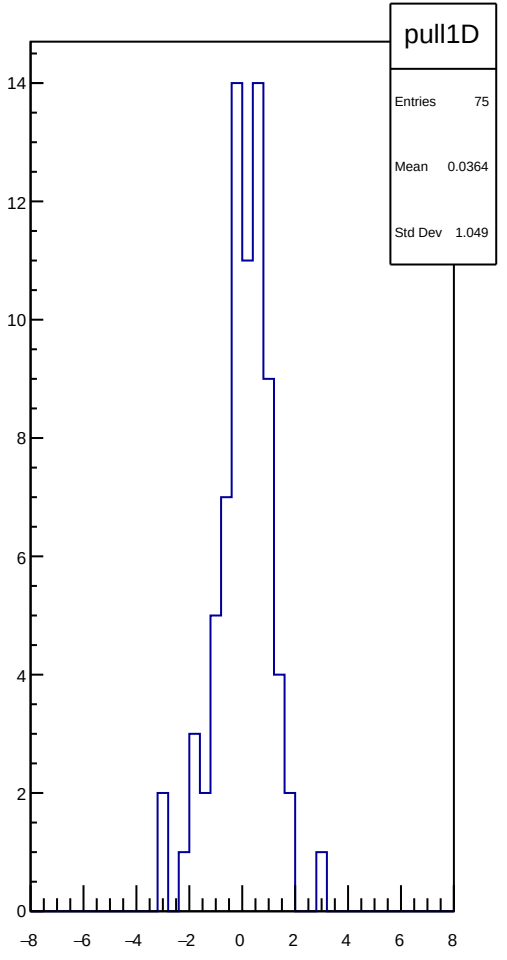

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 893.4 / 74
p0 1109 ± 0.9118
1200
1180
1160
1140
1120
1100
1080
1060

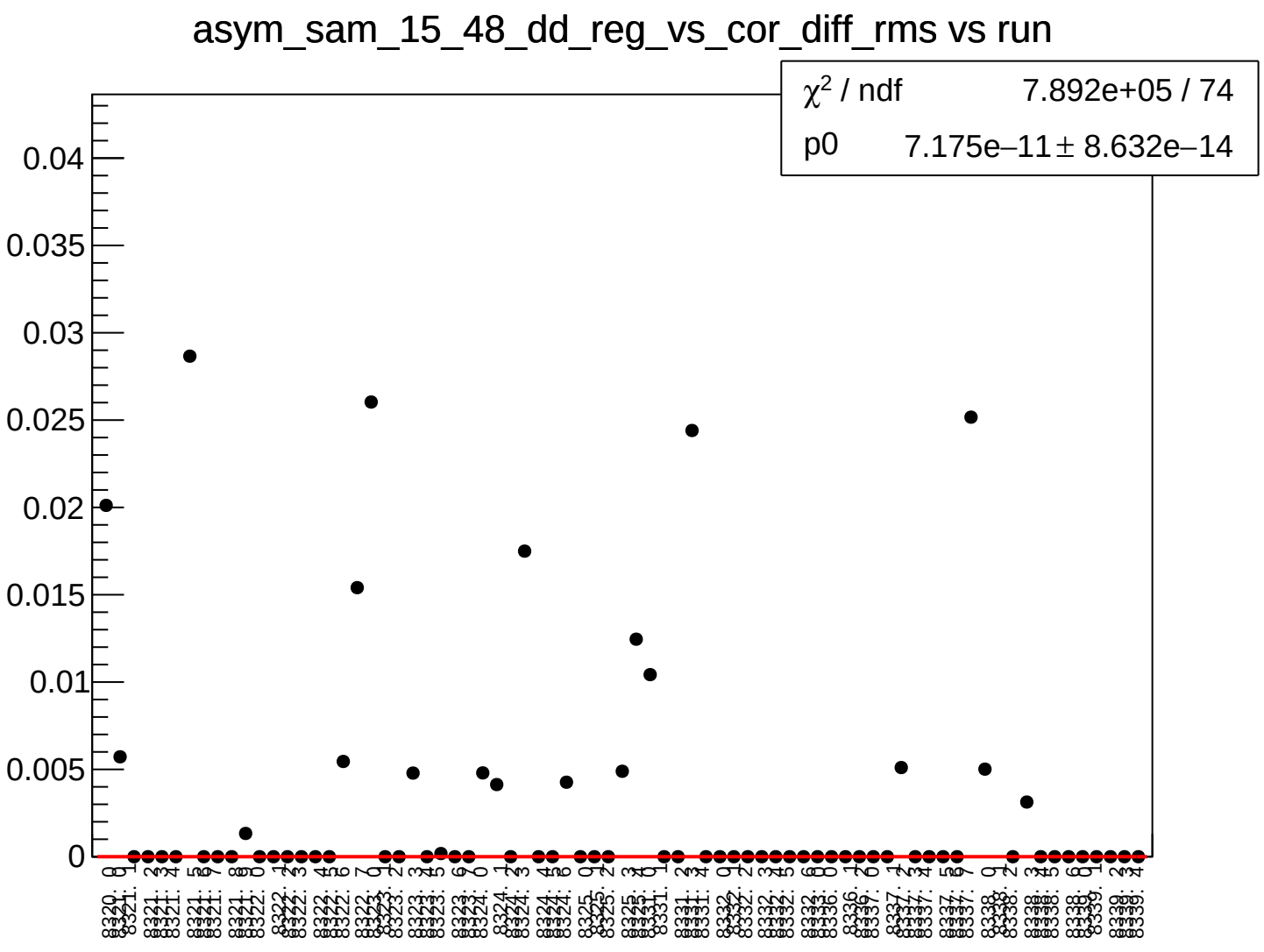

asym_sam_15_48_dd_mean vs run
χ² / ndf 85.96 / 74
p0 −4512 ± 1267
pull
Entries 75
Mean 1965
Std Dev 0

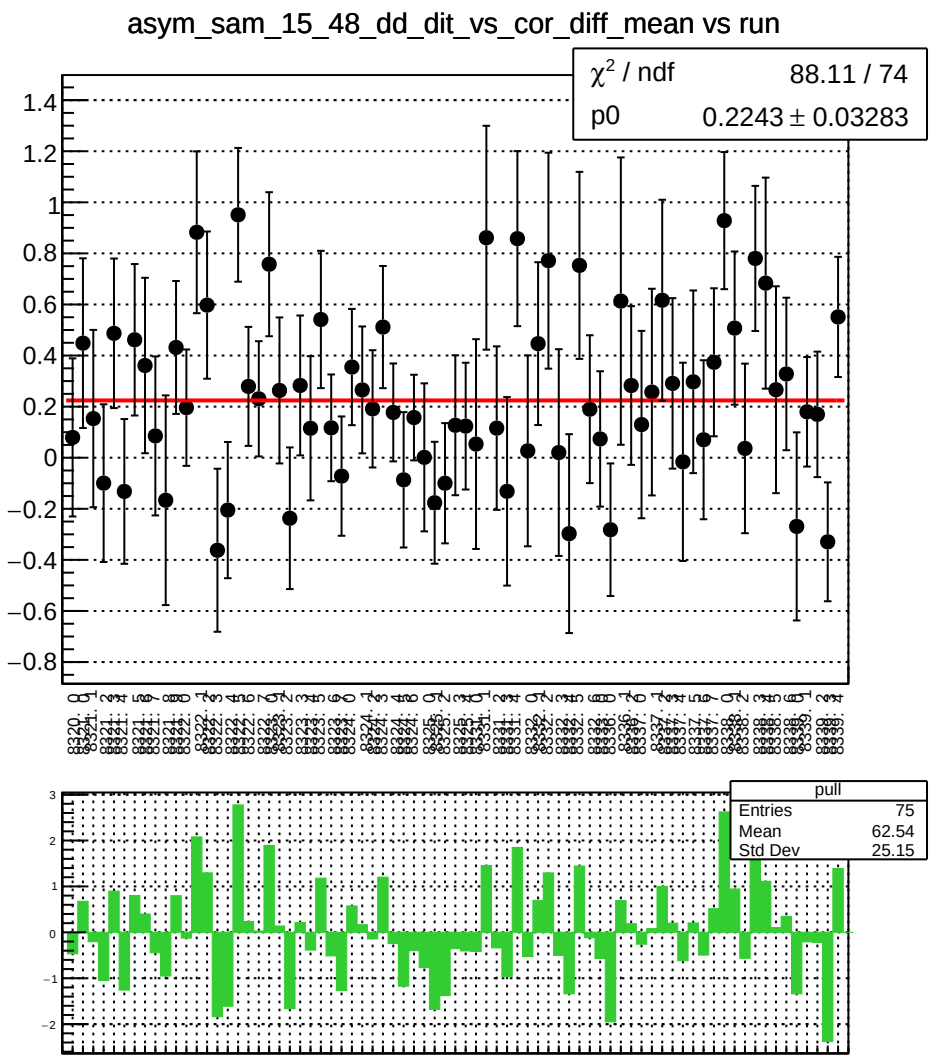

pull1D
Entries 75
Mean 0.0001964
Std Dev 1.071

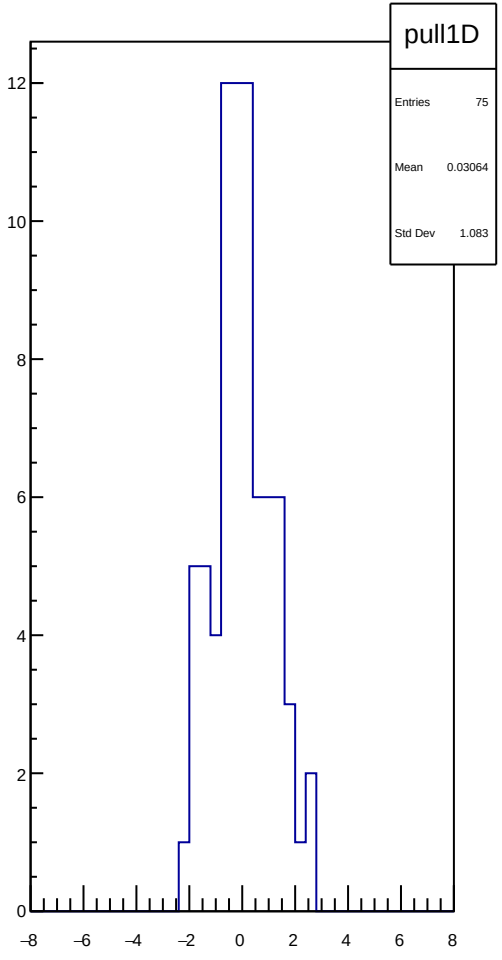

asym_sam_15_48_dd_rms vs run
χ² / ndf 960 / 74
p0 1090 ± 0.896
1180
1160
1140
1120
1100
1080
1060
1040

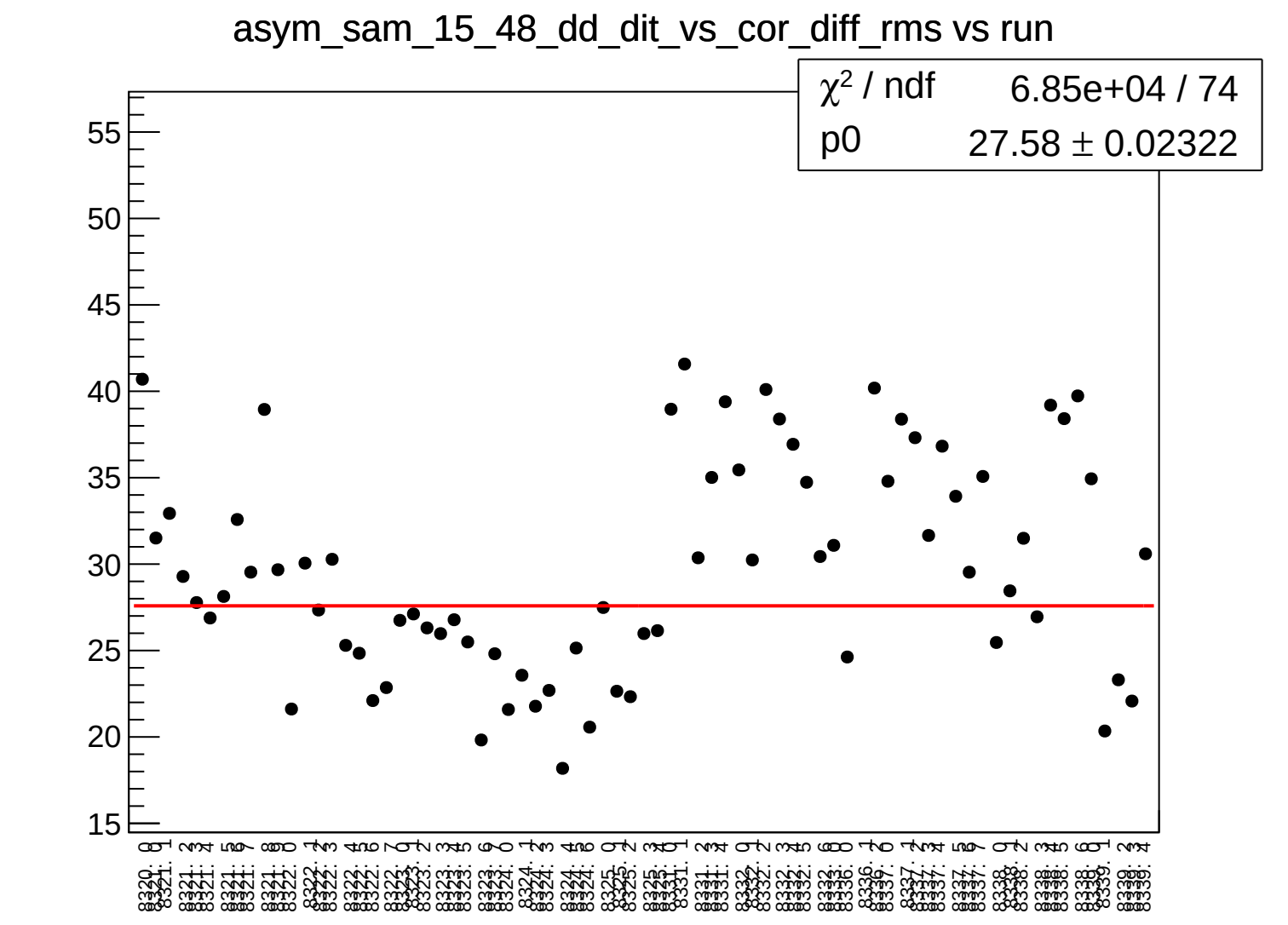

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 82.66 / 74
p0 −1.901e−13 ± 1.221e−13
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 75
Mean −17.85
Std Dev 0
3
2
1
0
−1
−2
−3

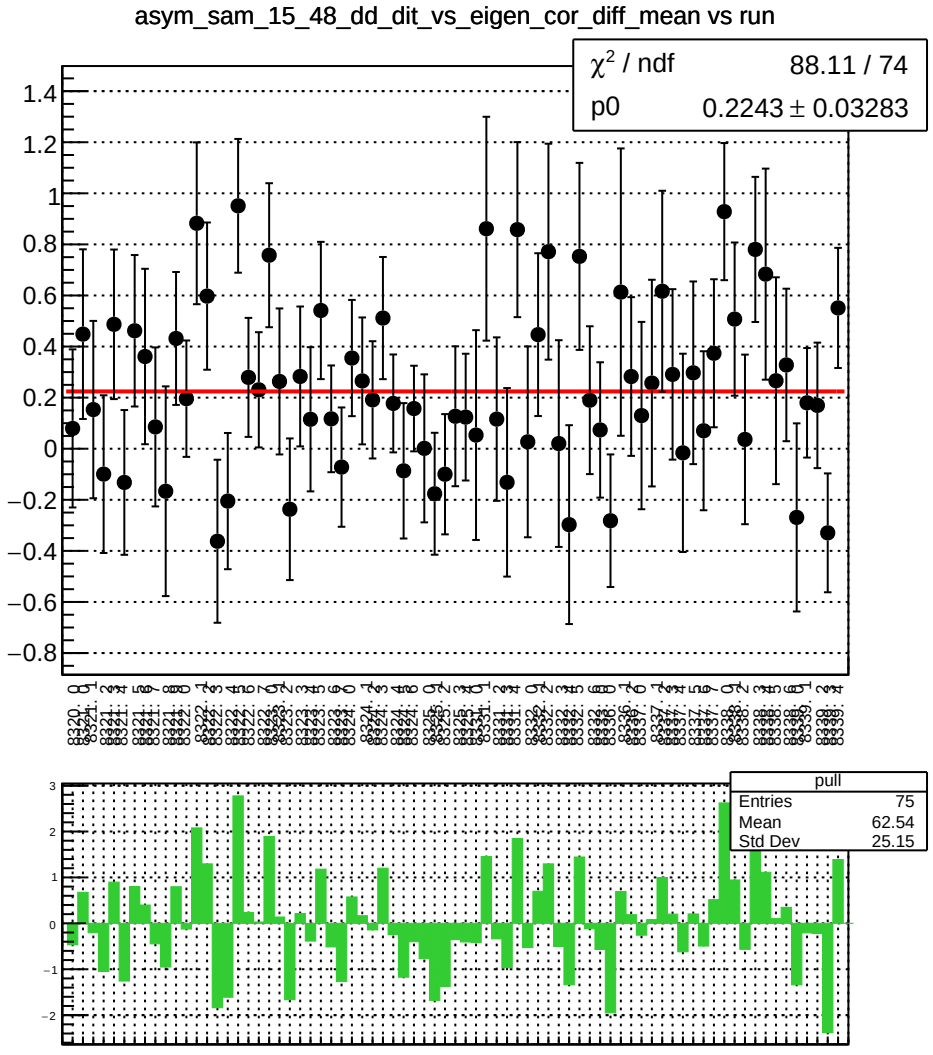

pull1D
Entries 75
Mean 0.0364
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

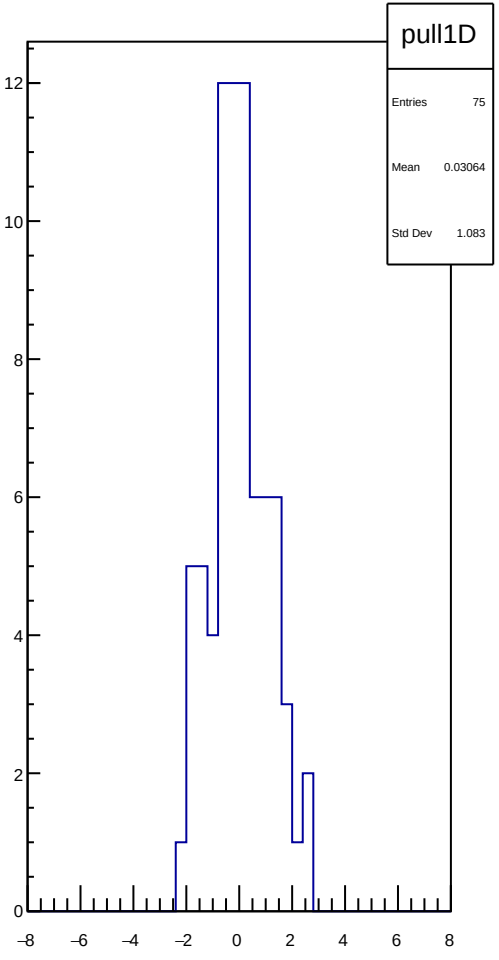

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.892e+05 / 74
p0 7.175e−11 ± 8.632e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

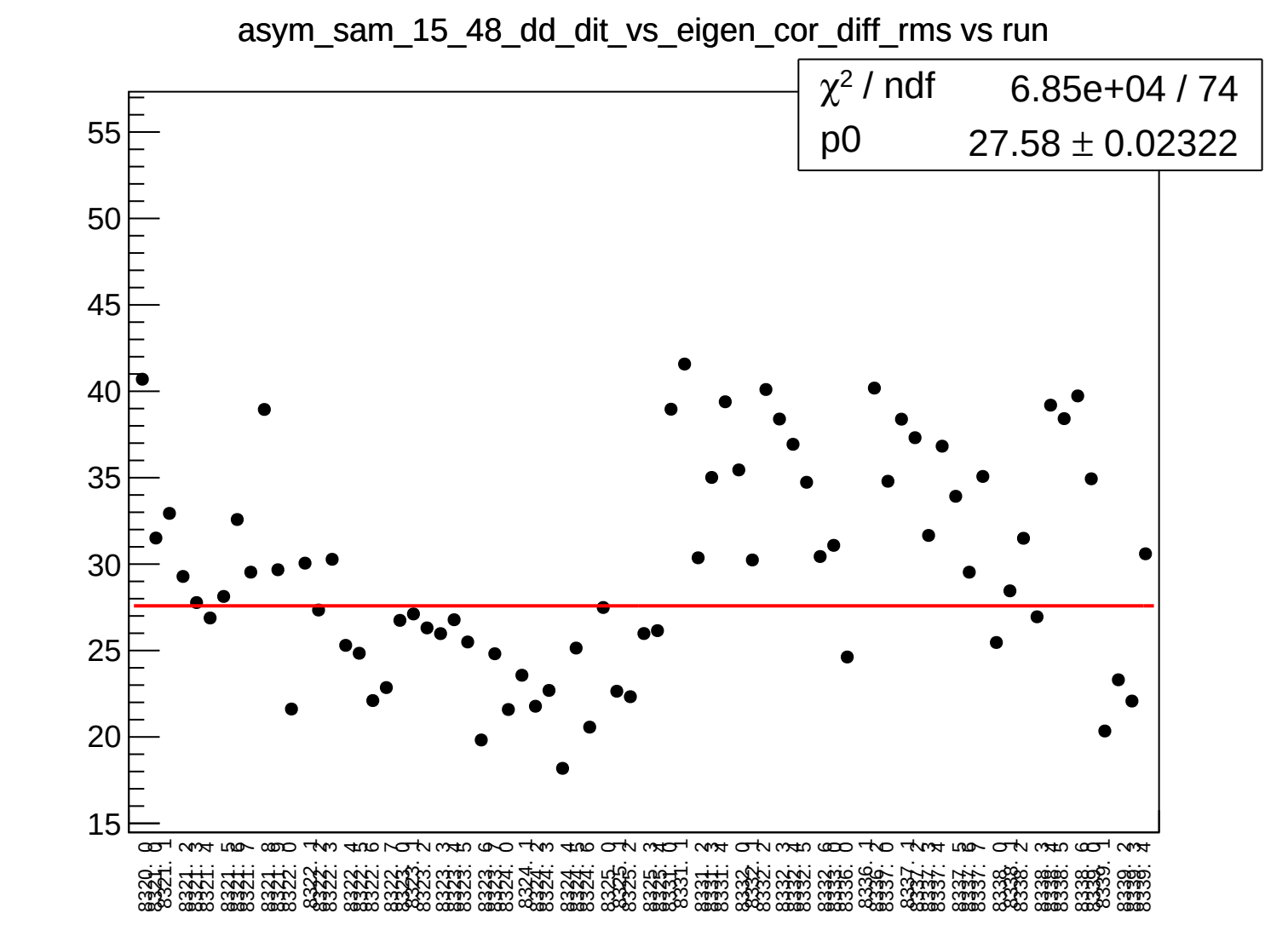

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 88.11 / 74
p0 0.2243 ± 0.03283
pull
Entries 75
Mean 62.54
Std Dev 25.15

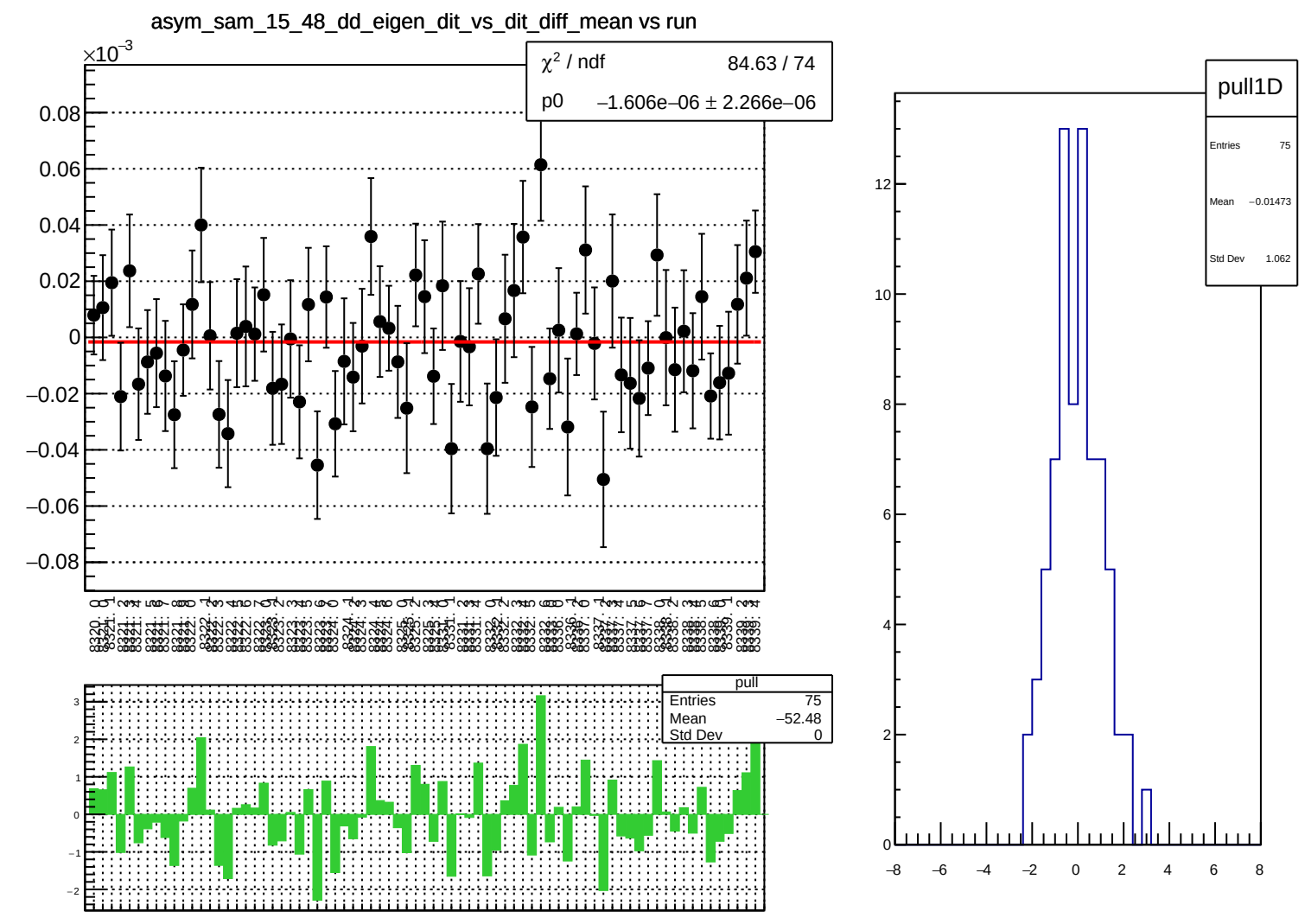

pull1D
Entries 75
Mean 0.03064
Std Dev 1.083

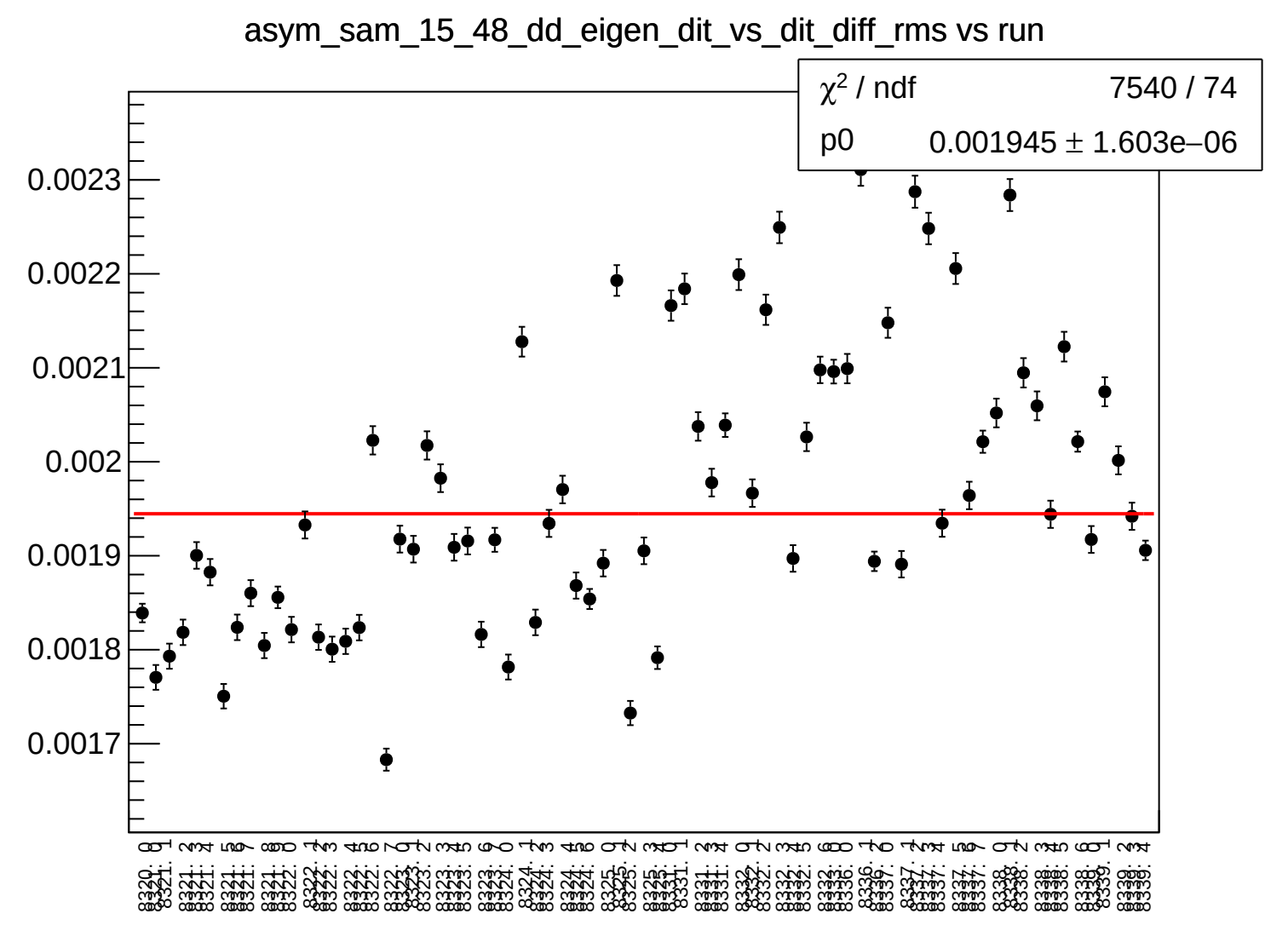

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.85e+04 / 74
p0 27.58 ± 0.02322
55
50
45
40
35
30
25
20
15

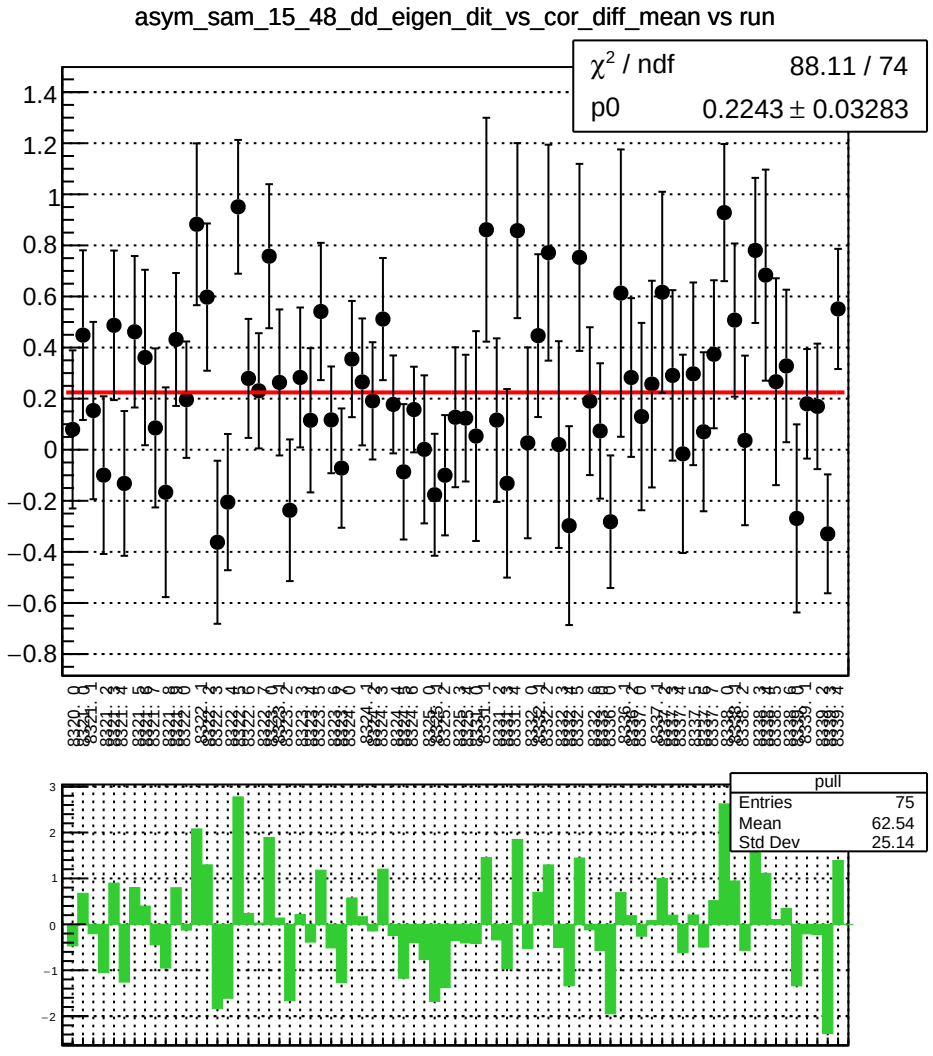

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.11 / 74
p0 0.2243 ± 0.03283
pull
Entries 75
Mean 62.54
Std Dev 25.15

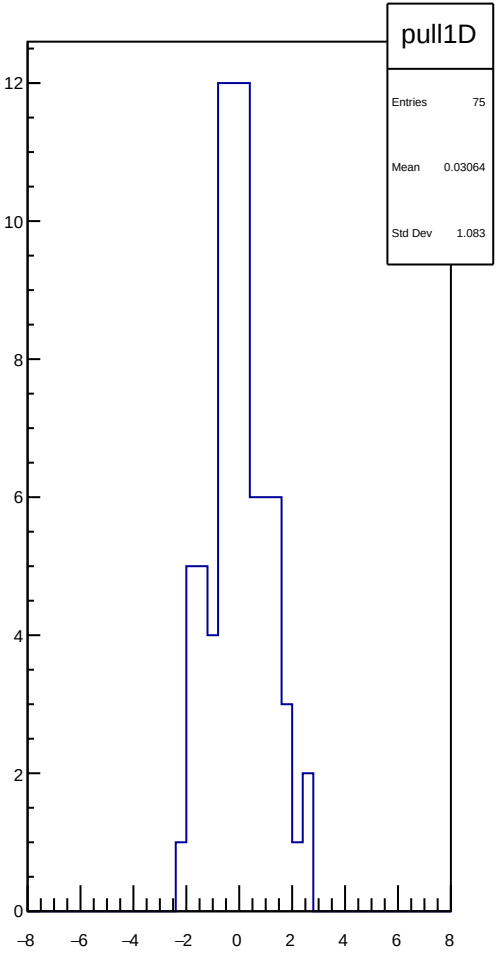

pull1D
Entries 75
Mean 0.03064
Std Dev 1.083

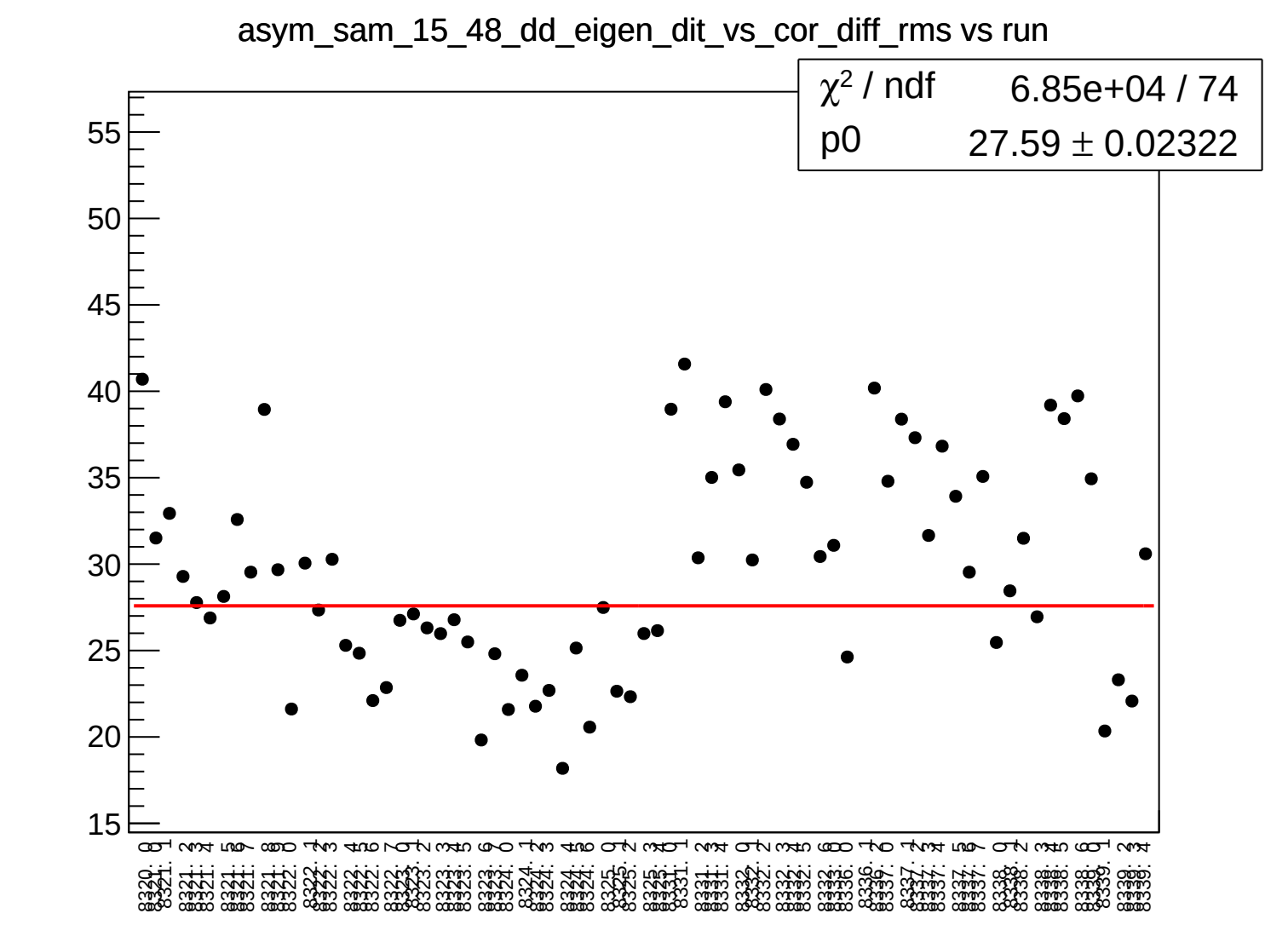

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.85e+04 / 74
p0 27.58 ± 0.02322
55
50
45
40
35
30
25
20
15

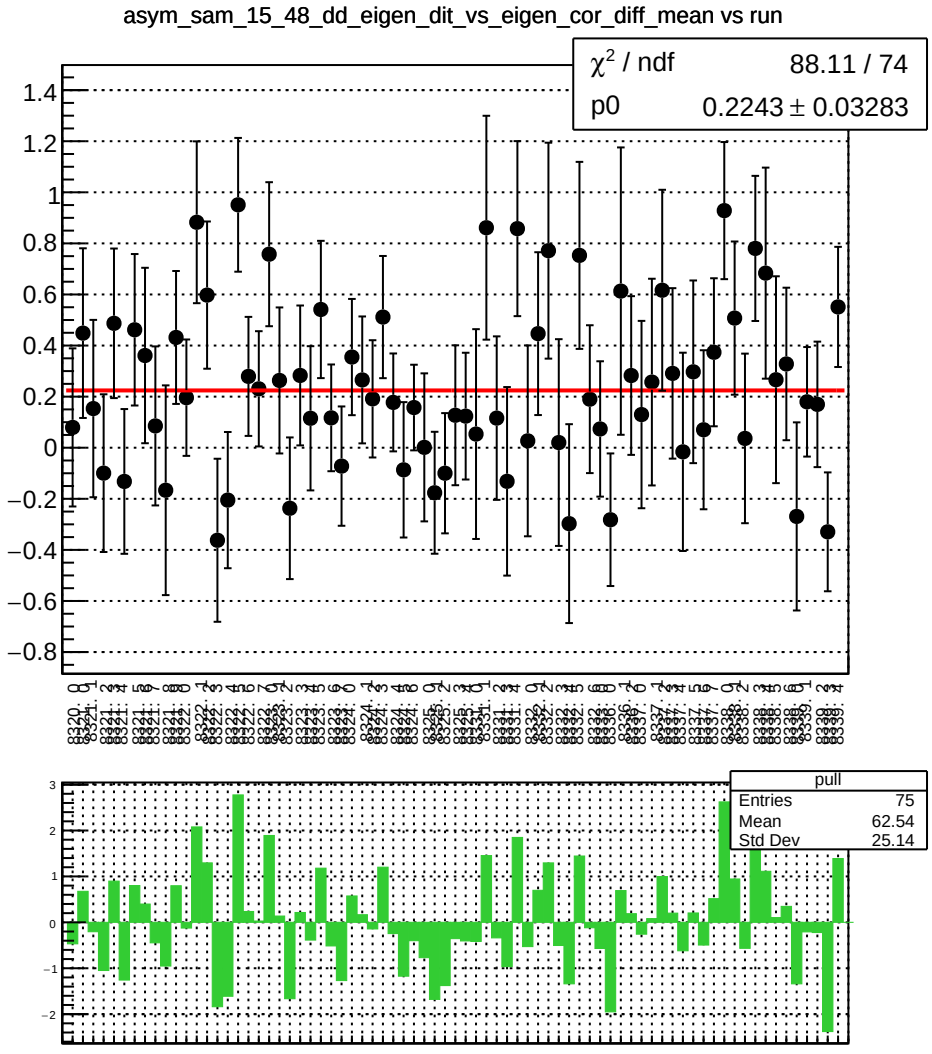

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 84.63 / 74
p0 −1.606e−06 ± 2.266e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 75
Mean −52.48
Std Dev 0
pull1D
Entries 75
Mean −0.01473
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

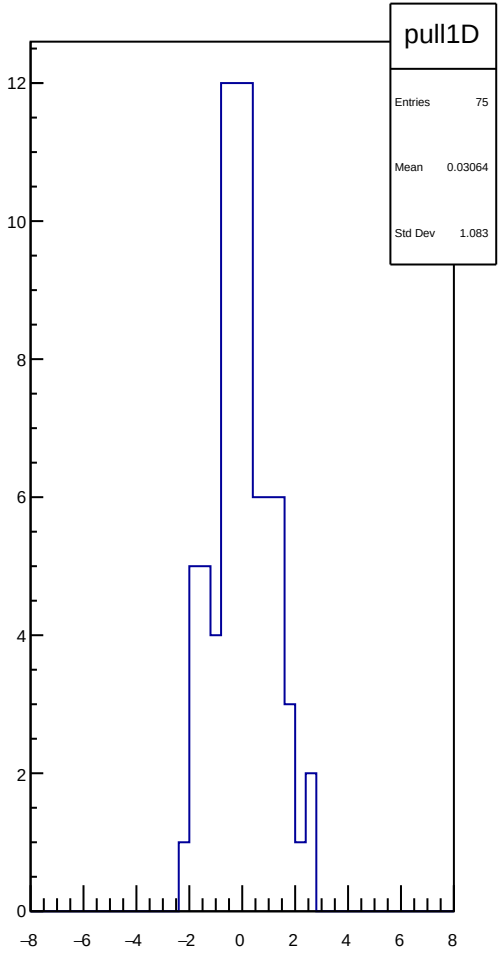

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 7540 / 74
p0 0.001945 ± 1.603e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017

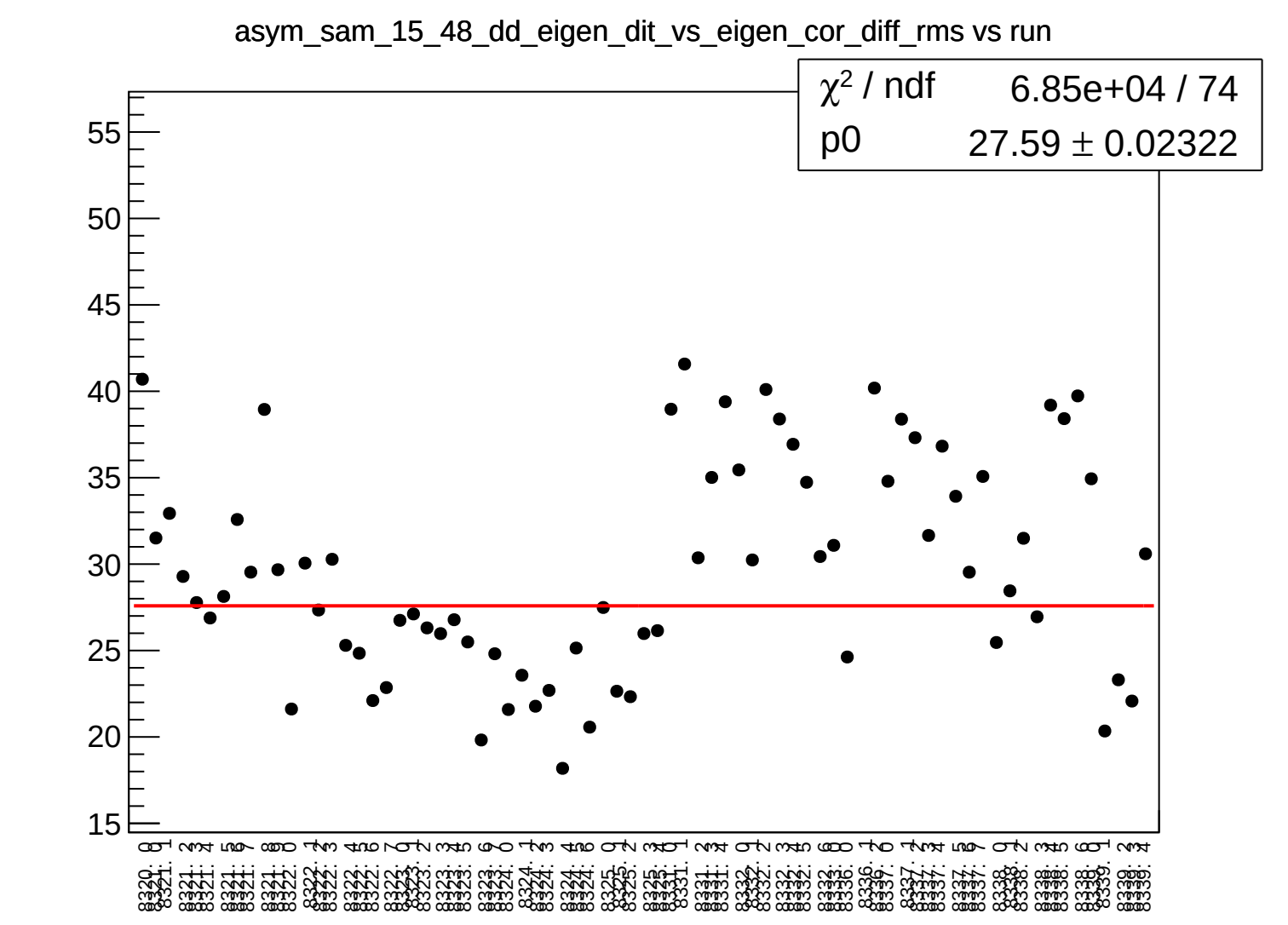

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 88.11 / 74
p0 0.2243 ± 0.03283
pull
Entries 75
Mean 62.54
Std Dev 25.14

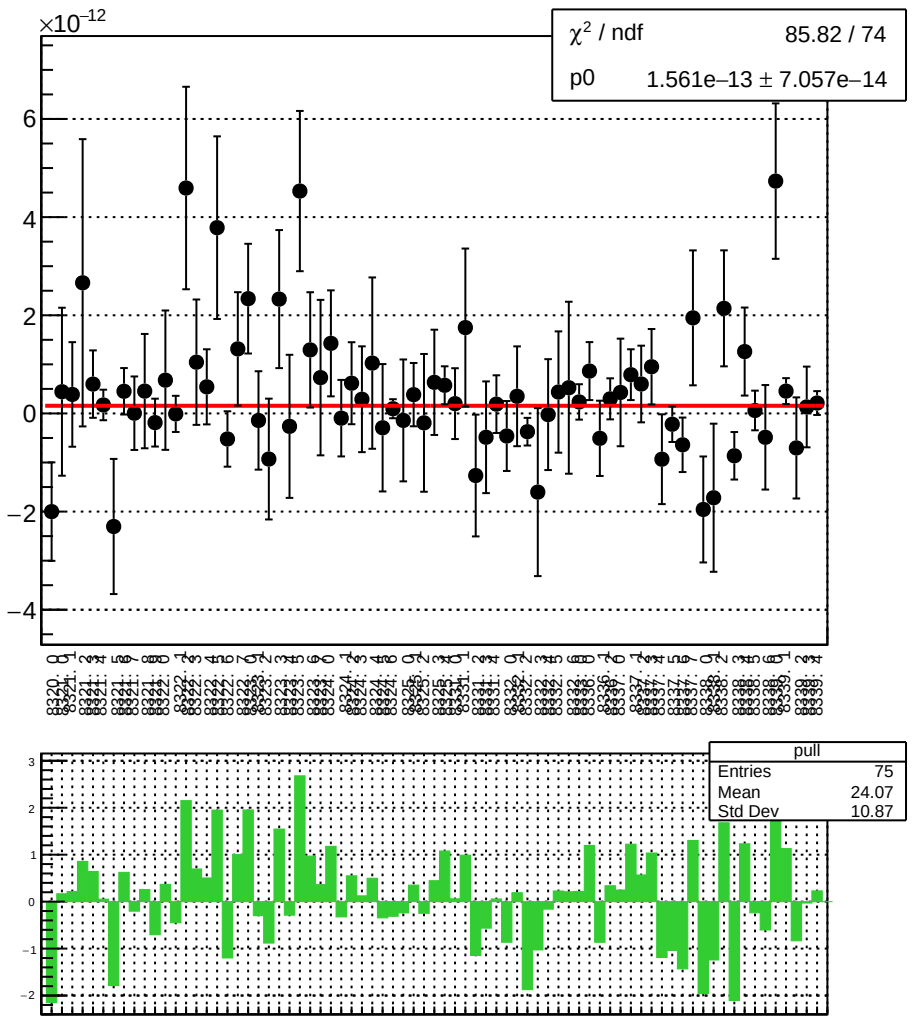

pull1D
Entries 75
Mean 0.03064
Std Dev 1.083

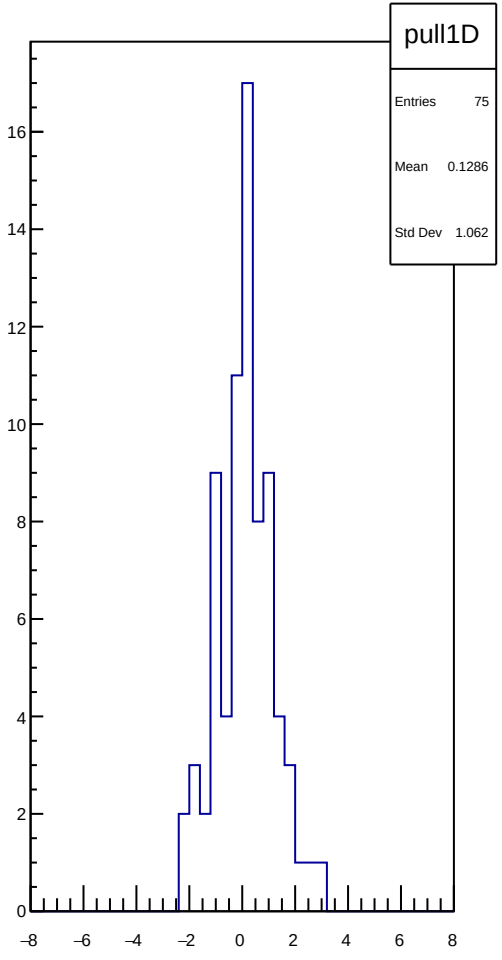

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.85e+04 / 74
p0 27.59 ± 0.02322
55
50
45
40
35
30
25
20
15

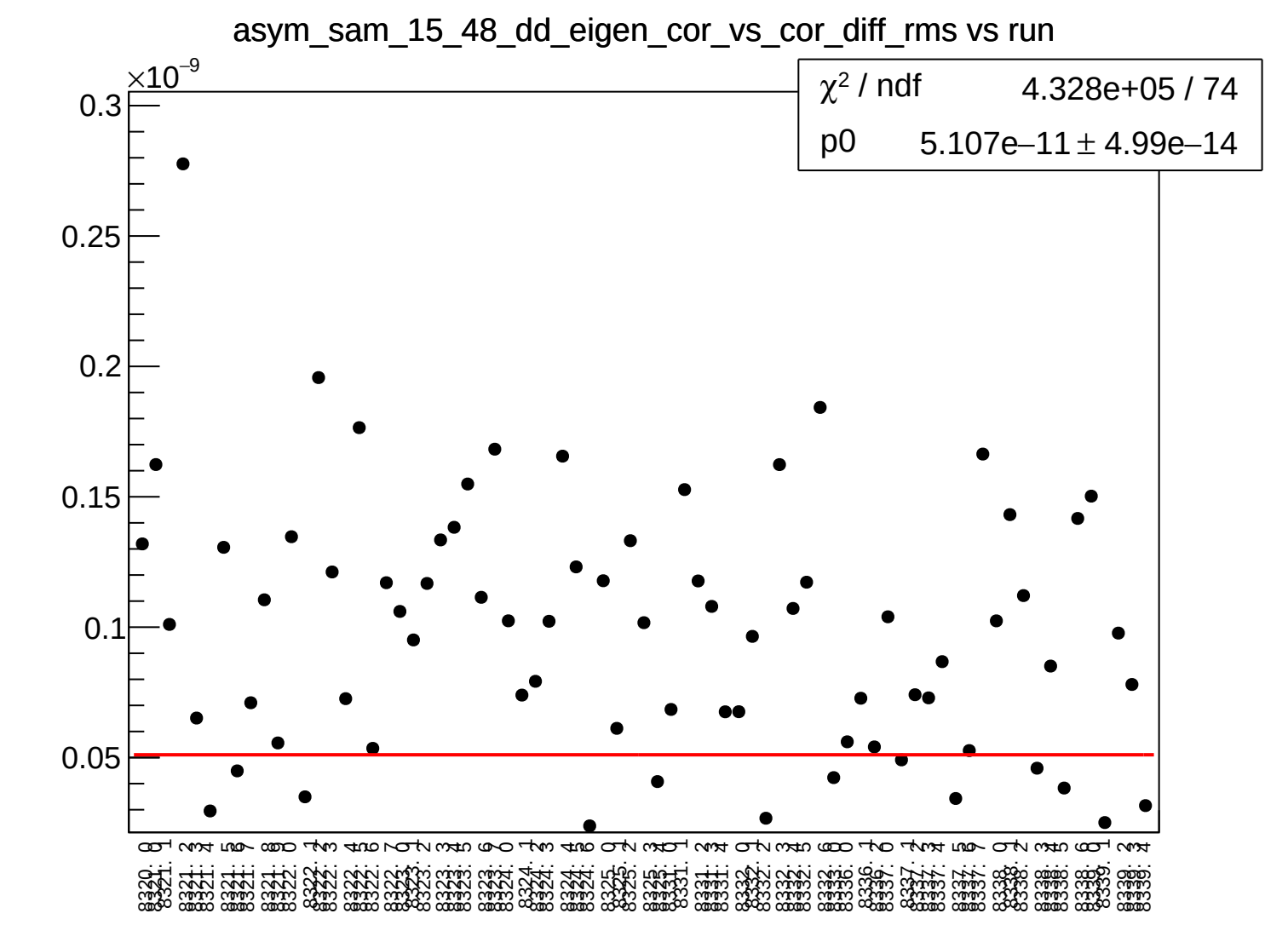

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 88.11 / 74
p0 0.2243 ± 0.03283
pull
Entries 75
Mean 62.54
Std Dev 25.14

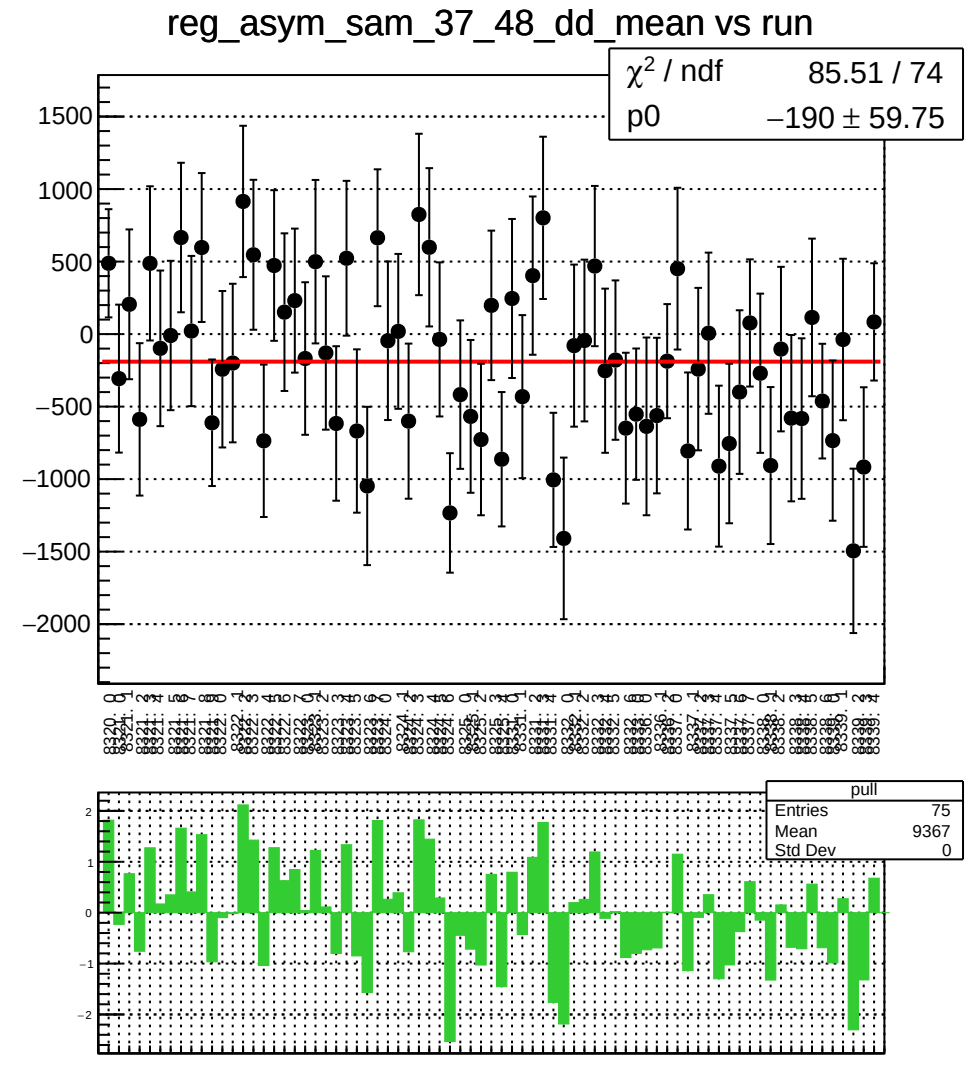

pull1D
Entries 75
Mean 0.03064
Std Dev 1.083

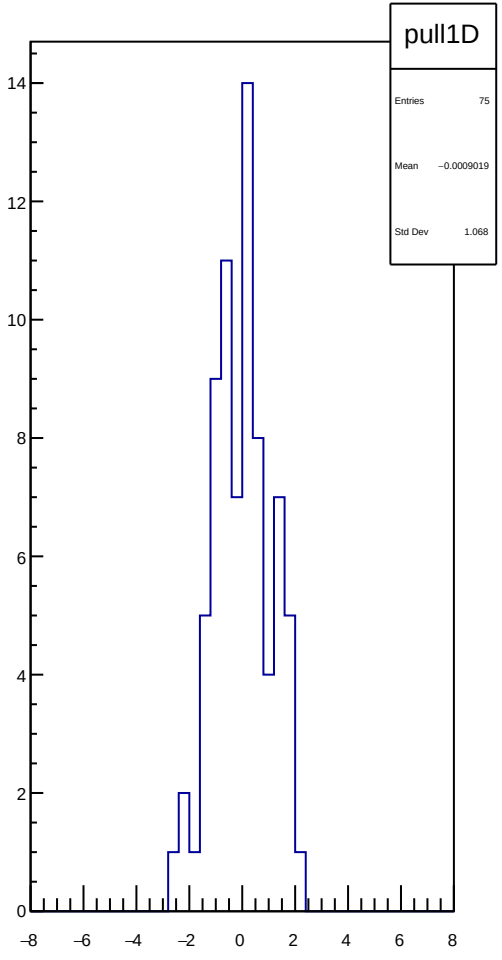

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.85e+04 / 74
p0 27.59 ± 0.02322
55
50
45
40
35
30
25
20
15

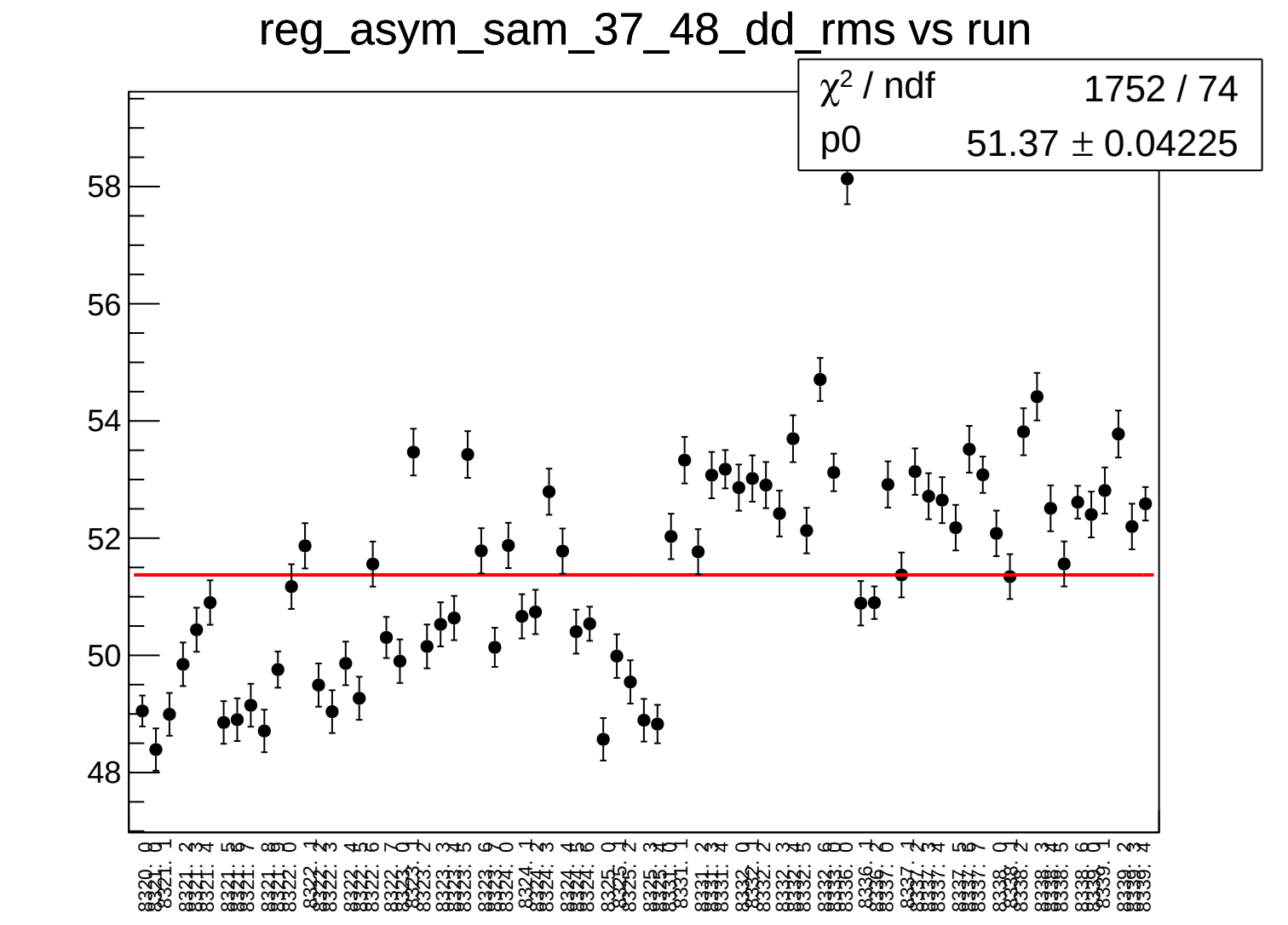

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 85.82 / 74
p0 1.561e−13 ± 7.057e−14
pull
Entries 75
Mean 24.07
Std Dev 10.87

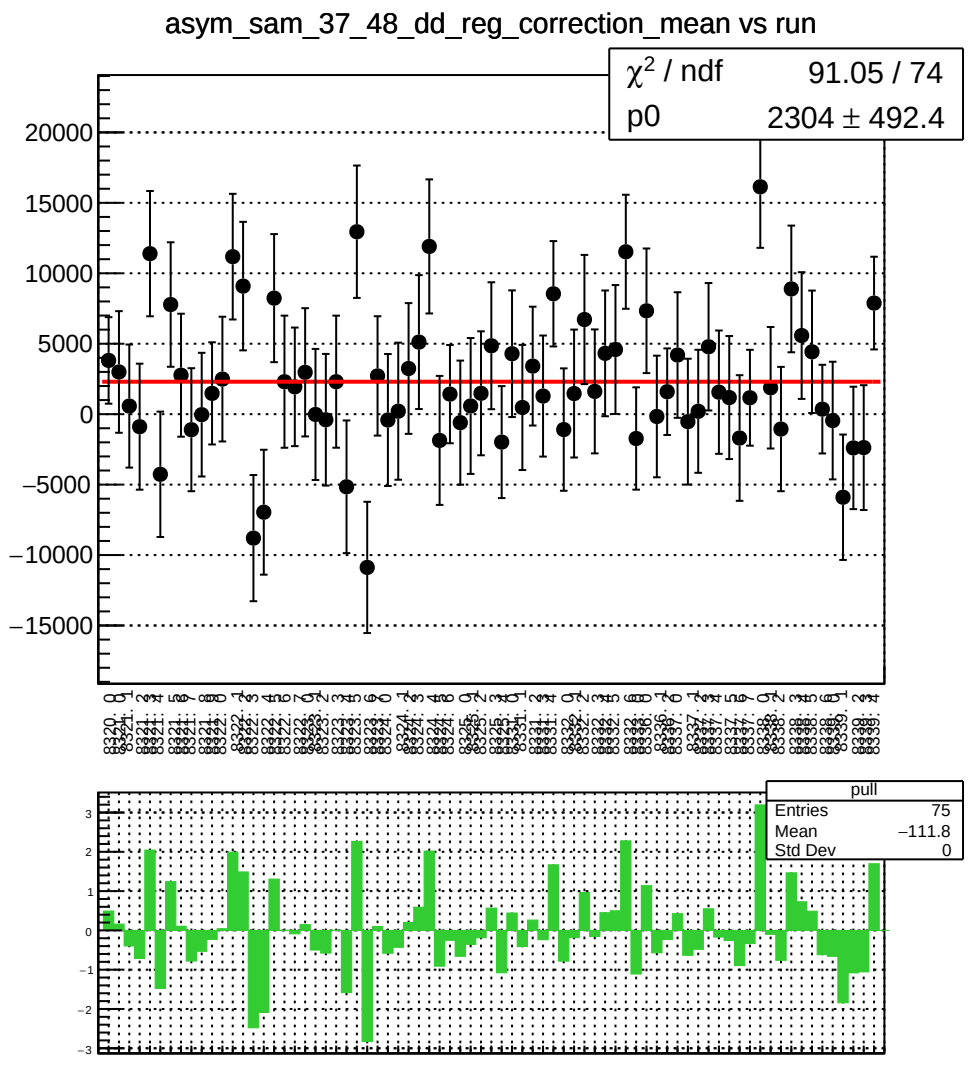

pull1D
Entries 75
Mean 0.1286
Std Dev 1.062

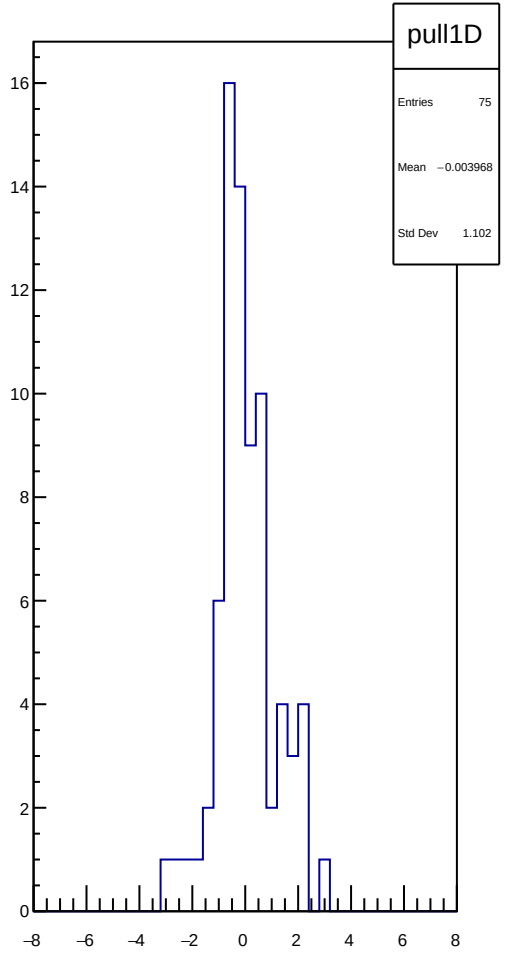

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.328e+05 / 74
p0 5.107e−11 ± 4.99e−14
0.3
0.25
0.2
0.15
0.1
0.05

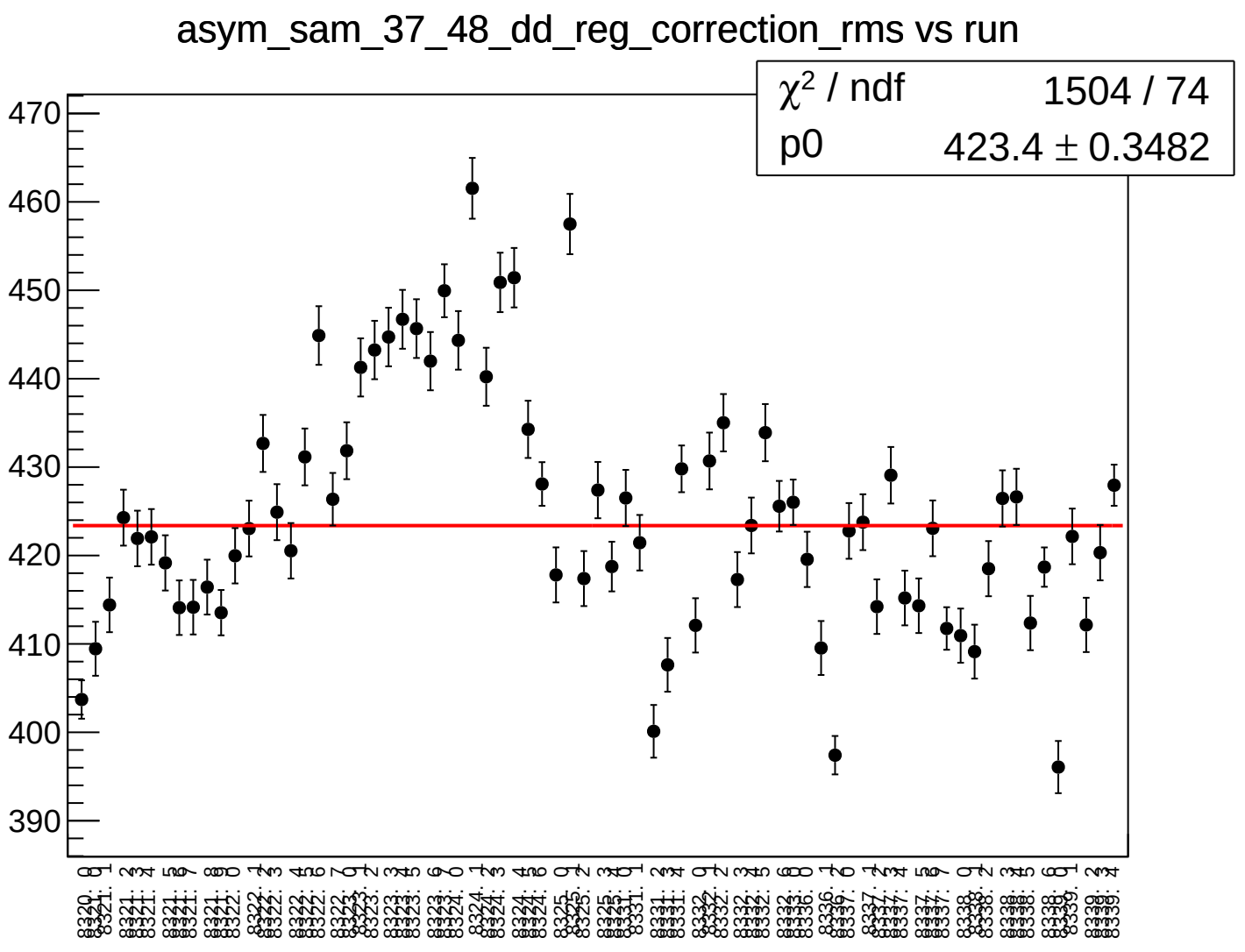

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 85.51 / 74
p0 −190 ± 59.75
pull
Entries 75
Mean 9367
Std Dev 0

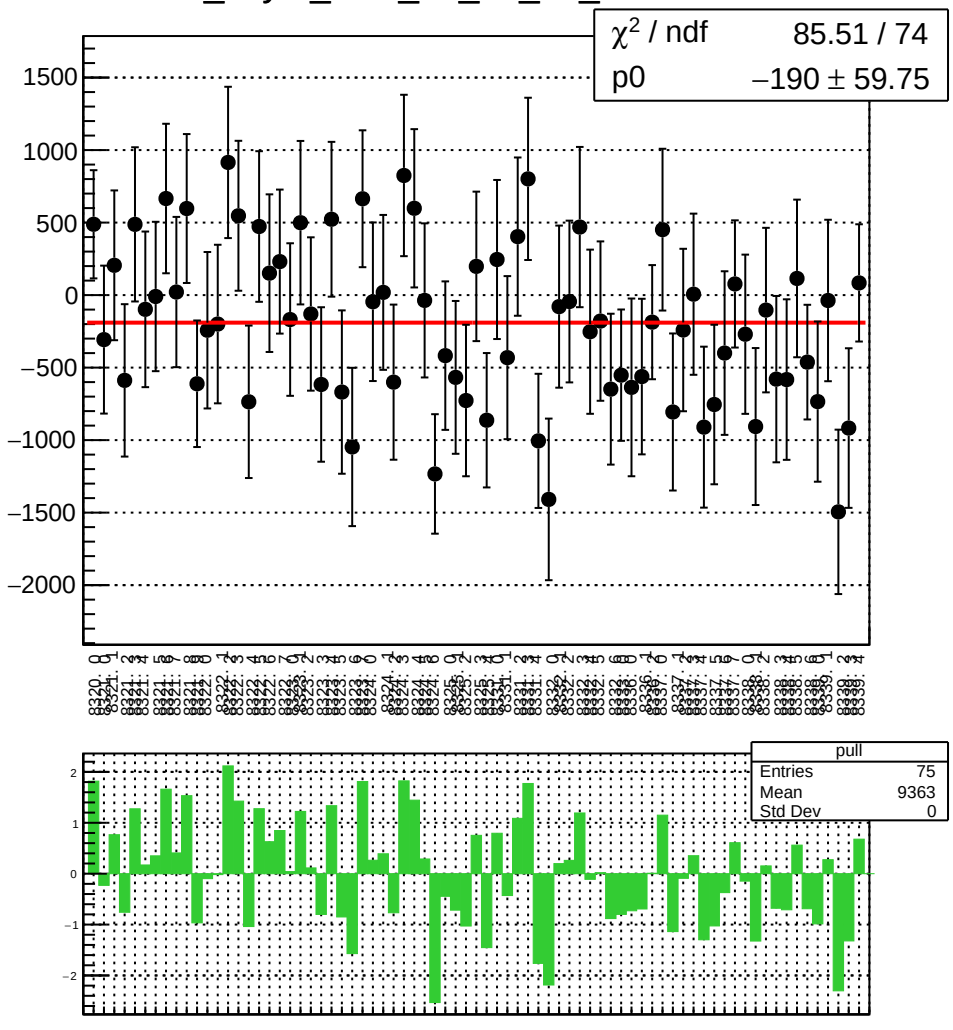

pull1D
Entries 75
Mean −0.0009019
Std Dev 1.068

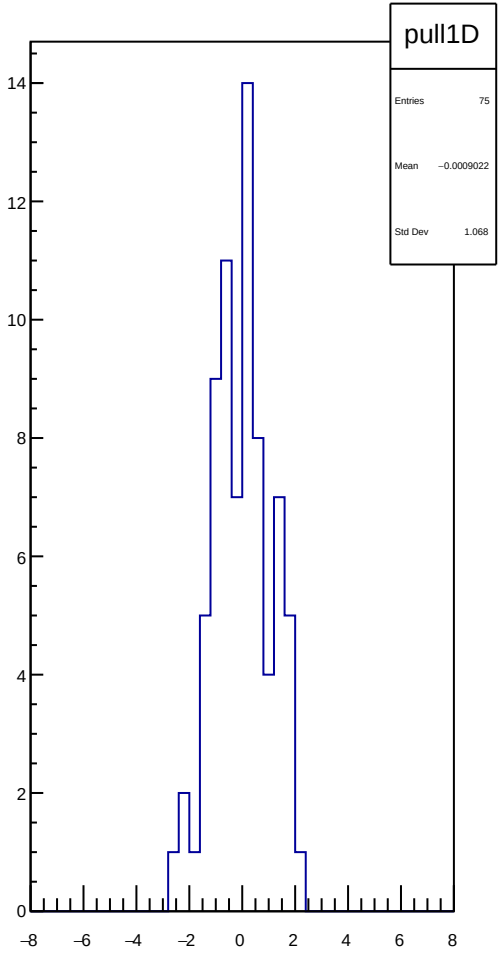

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 1752 / 74
p0 51.37 ± 0.04225
58
56
54
52
50
48

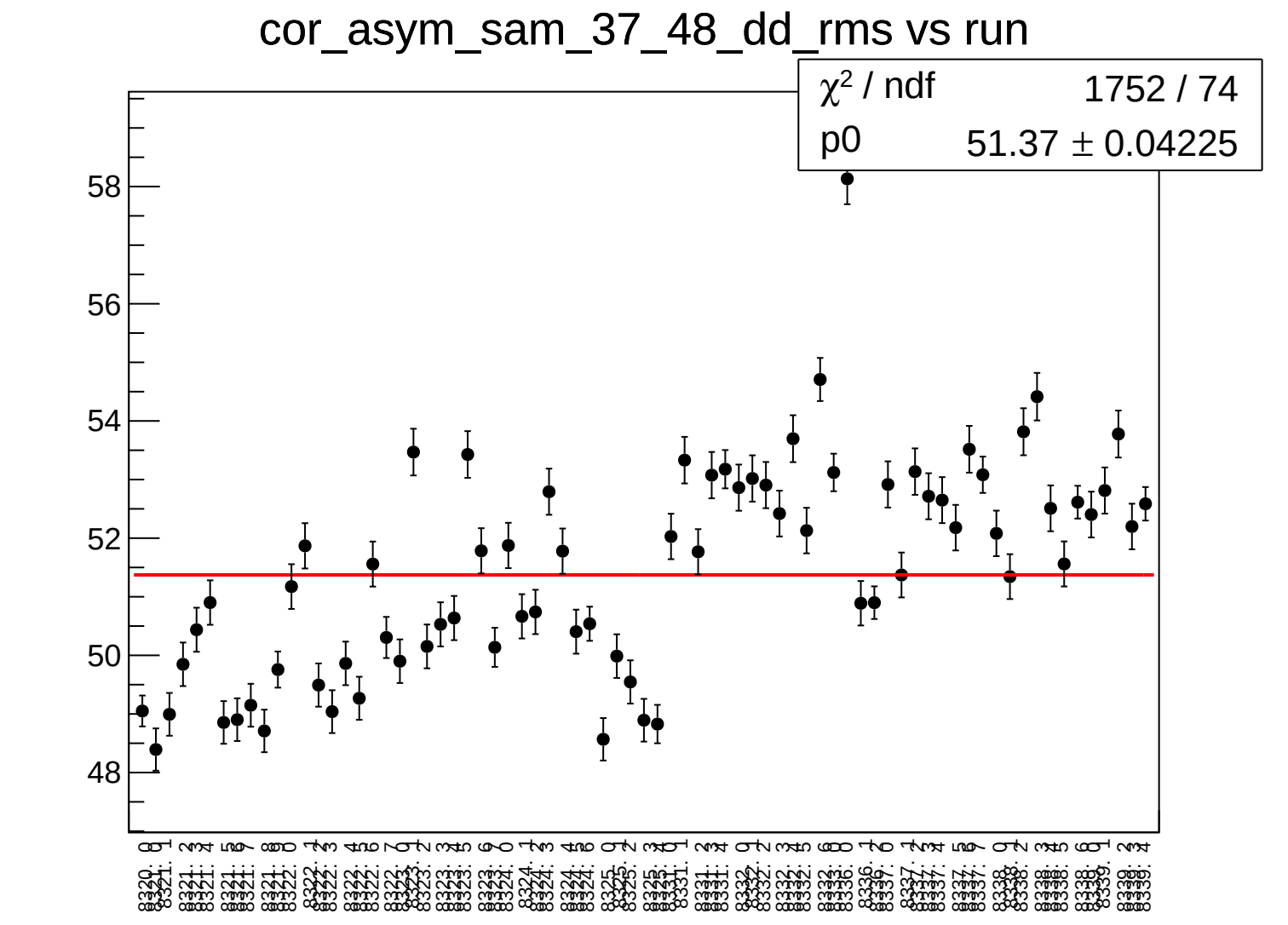

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 91.05 / 74
p0 2304 ± 492.4
pull
Entries 75
Mean −111.8
Std Dev 0

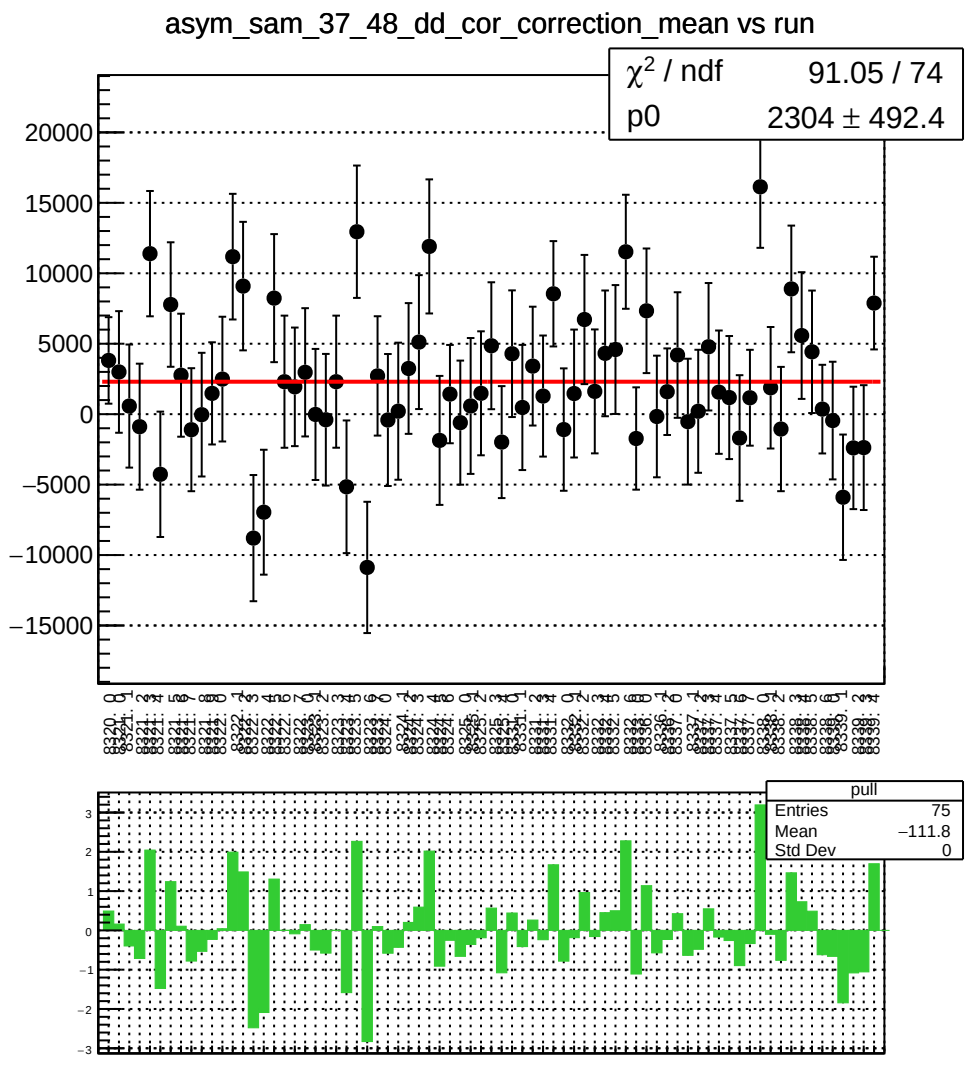

pull1D
Entries 75
Mean −0.003968
Std Dev 1.102

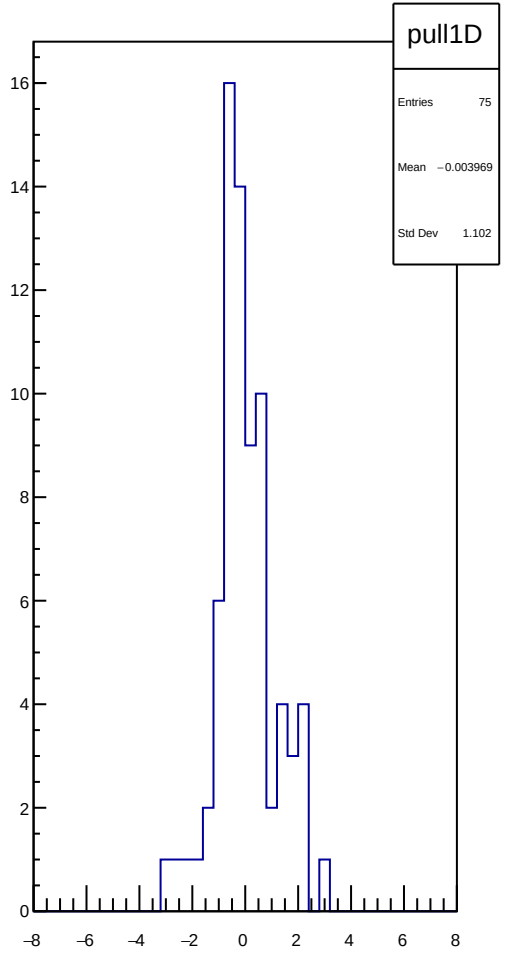

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1504 / 74
p0 423.4 ± 0.3482
470
460
450
440
430
420
410
400
390

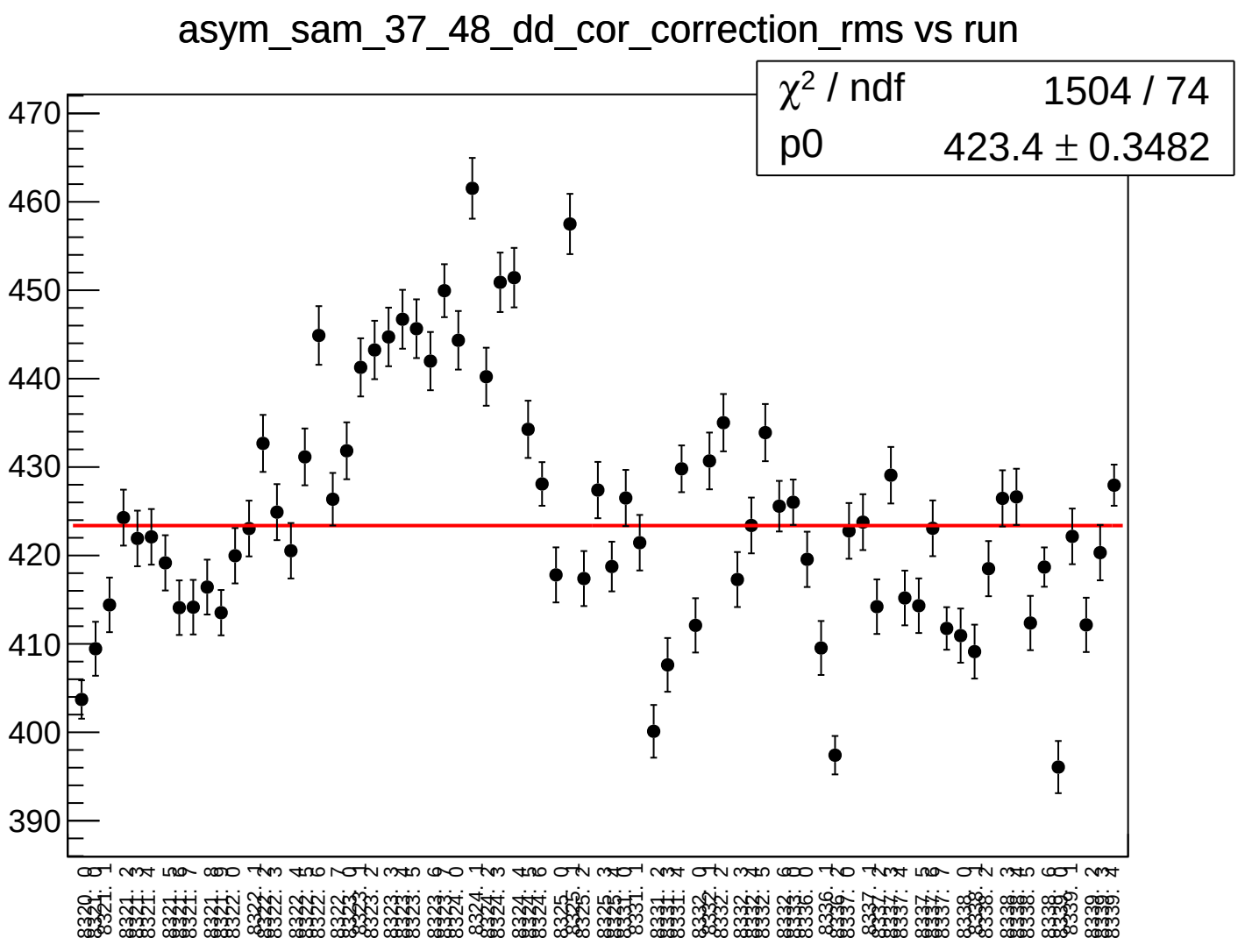

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 85.51 / 74
p0 −190 ± 59.75
pull
Entries 75
Mean 9363
Std Dev 0

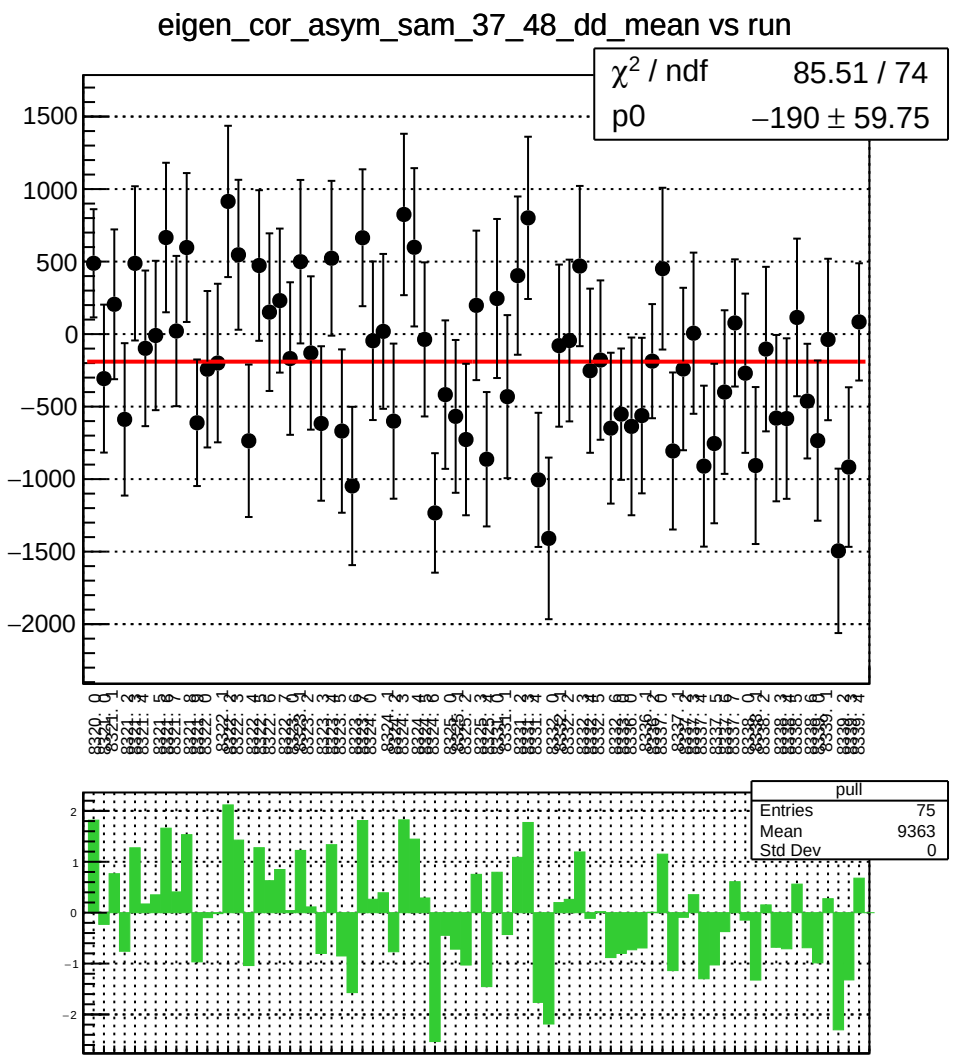

pull1D
Entries 75
Mean −0.0009022
Std Dev 1.068

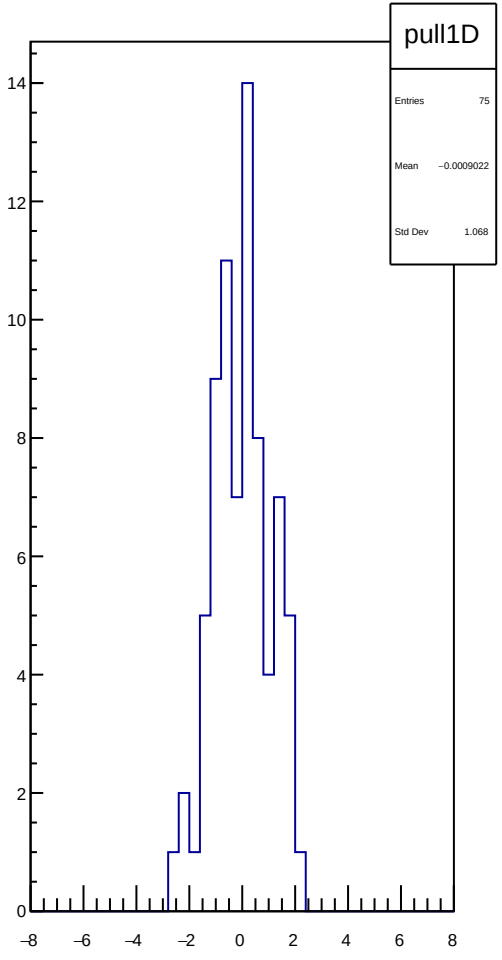

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1752 / 74
p0 51.37 ± 0.04225
58
56
54
52
50
48

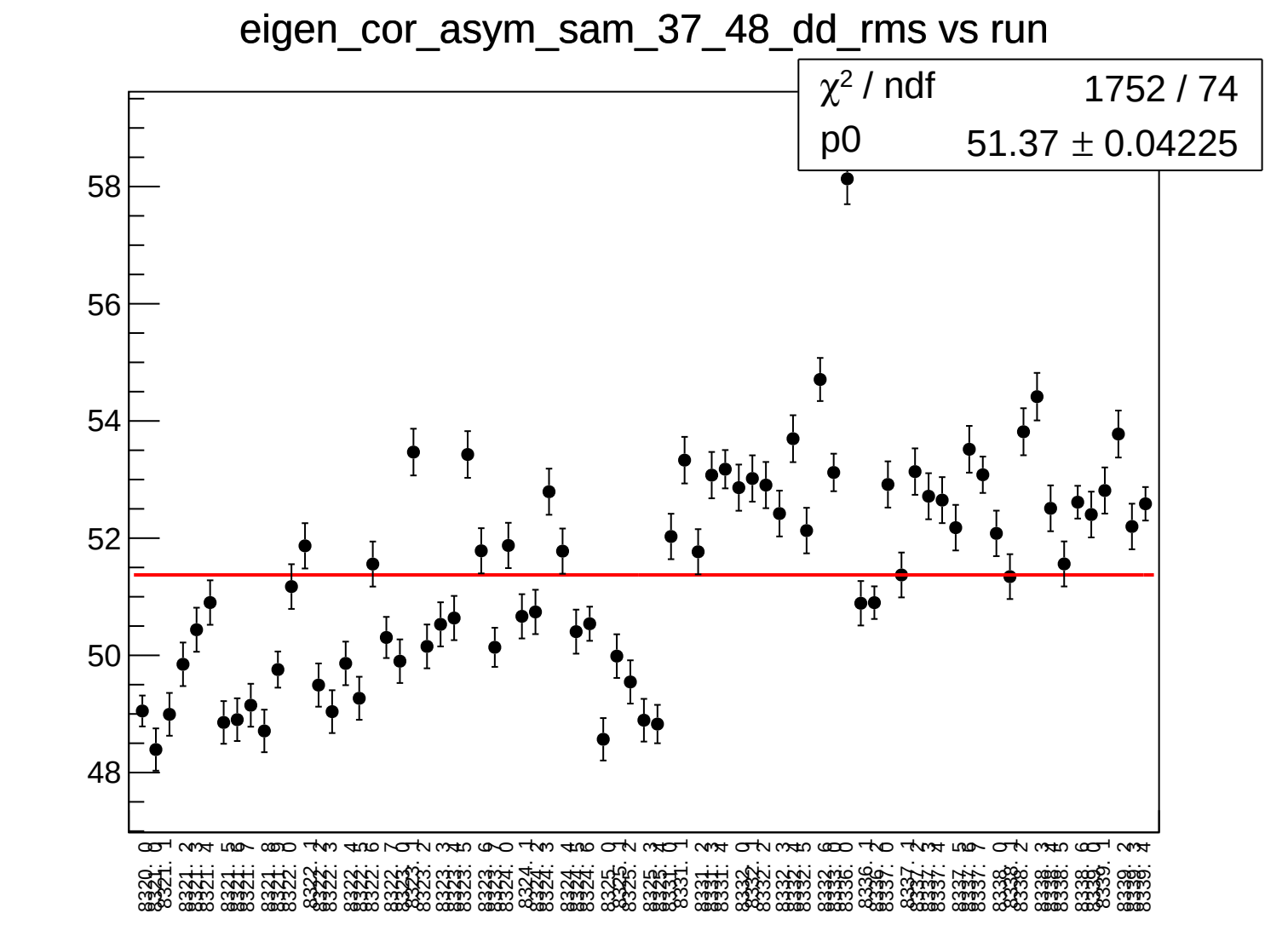

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 91.05 / 74
p0 2304 ± 492.4
pull
Entries 75
Mean −111.8
Std Dev 0

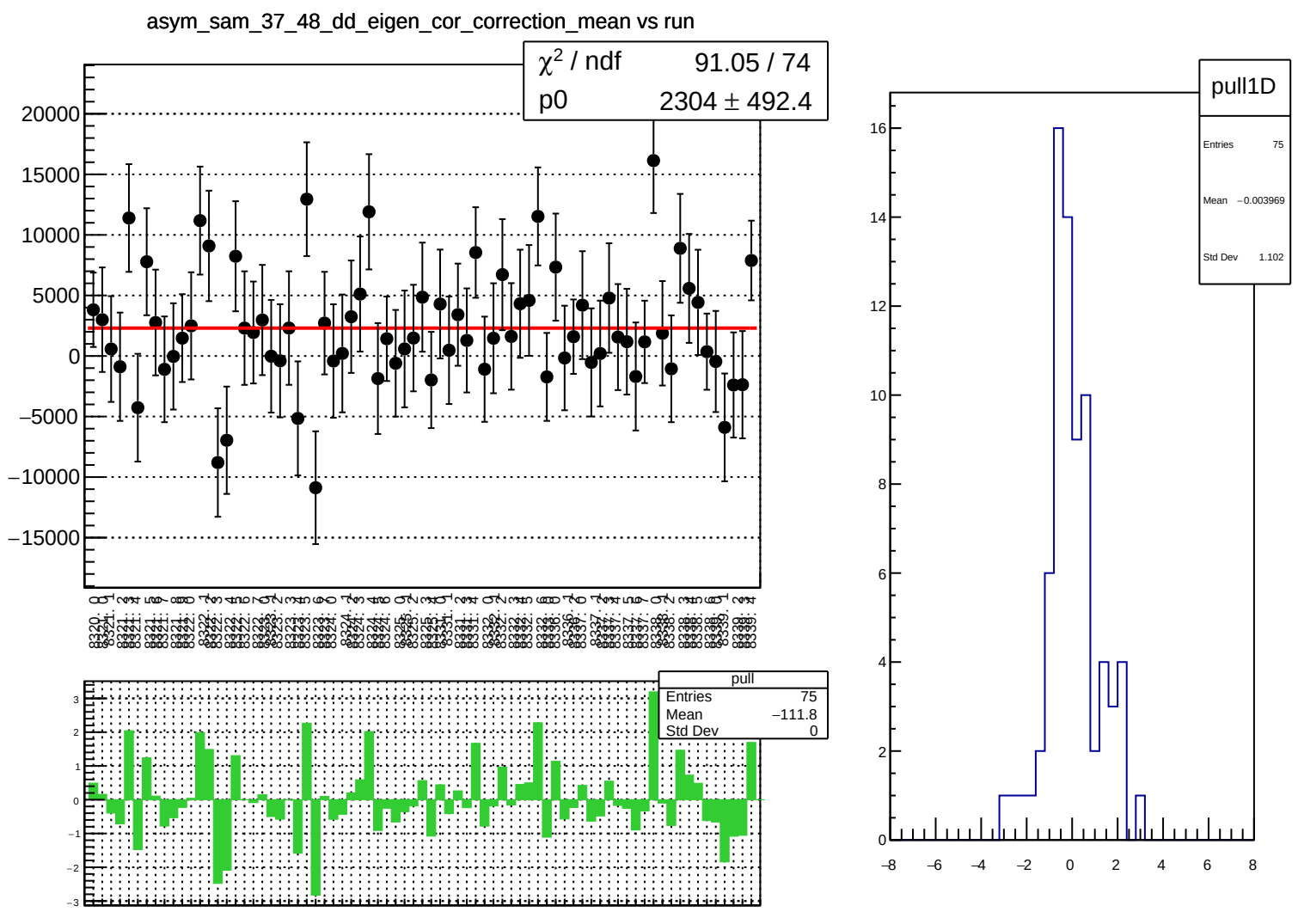

pull1D
Entries 75
Mean −0.003969
Std Dev 1.102

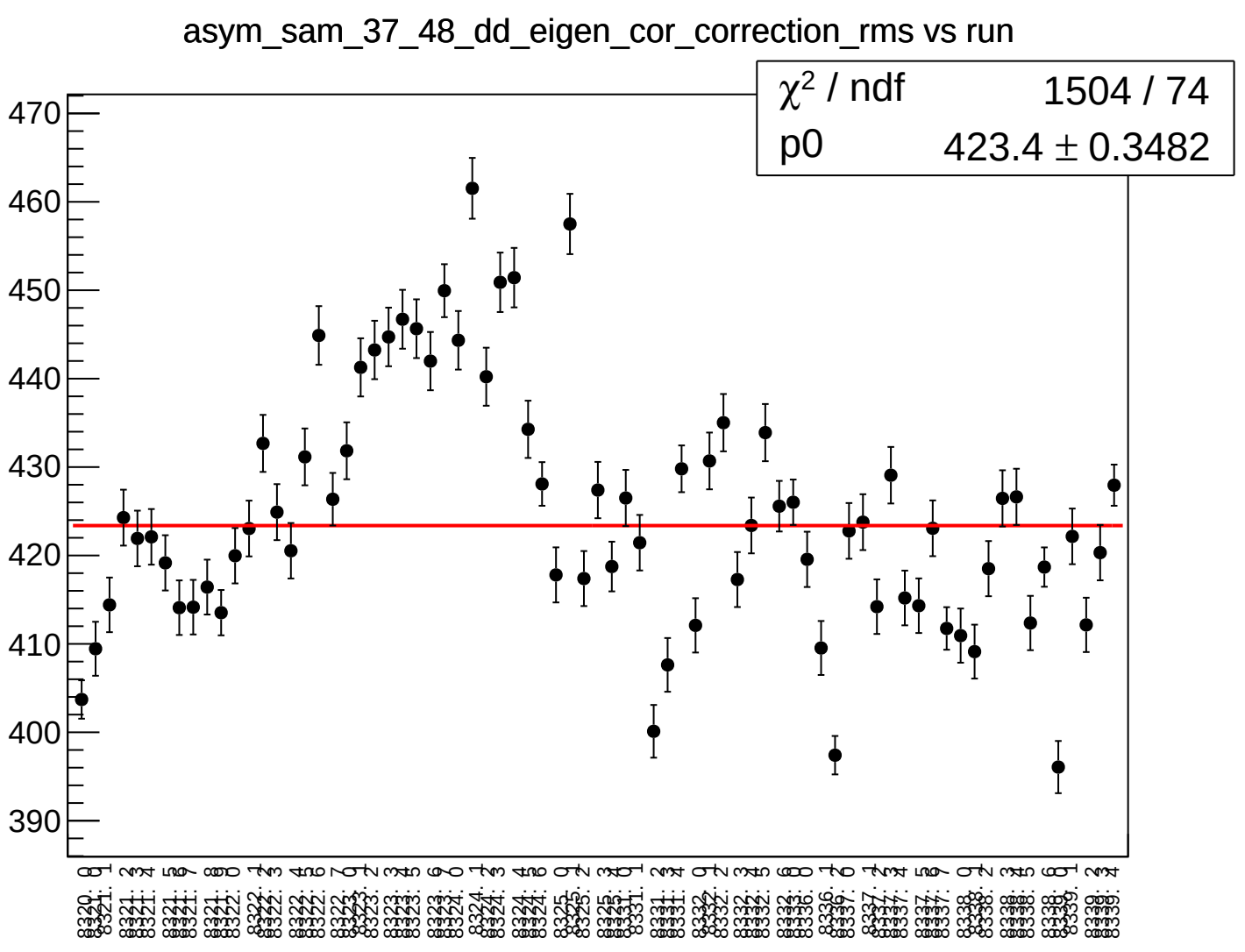

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1504 / 74
p0 423.4 ± 0.3482
470
460
450
440
430
420
410
400
390

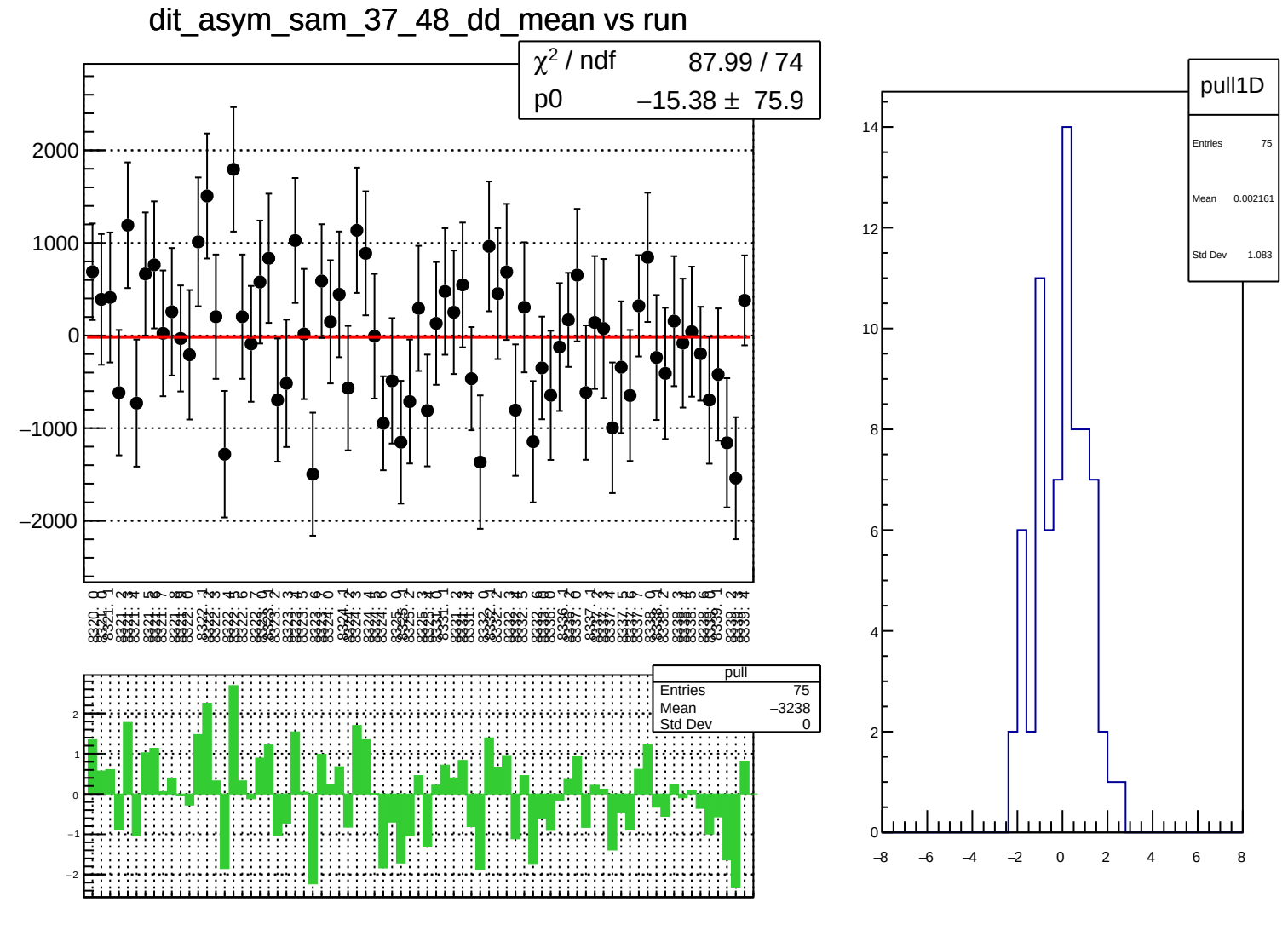

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 85.51 / 74
p0 −190 ± 59.75
pull
Entries 75
Mean 9363
Std Dev 0

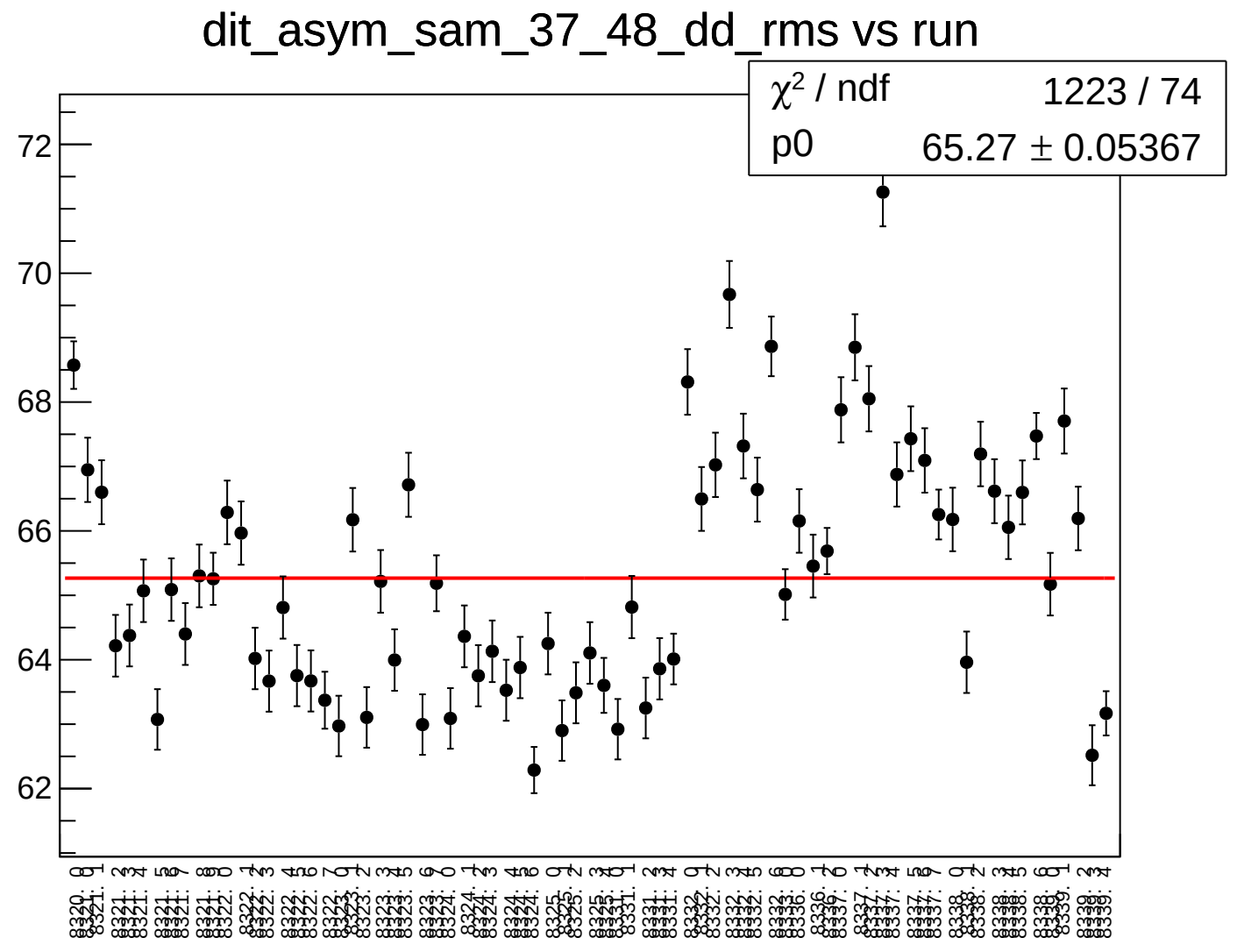

pull1D
Entries 75
Mean −0.0009022
Std Dev 1.068

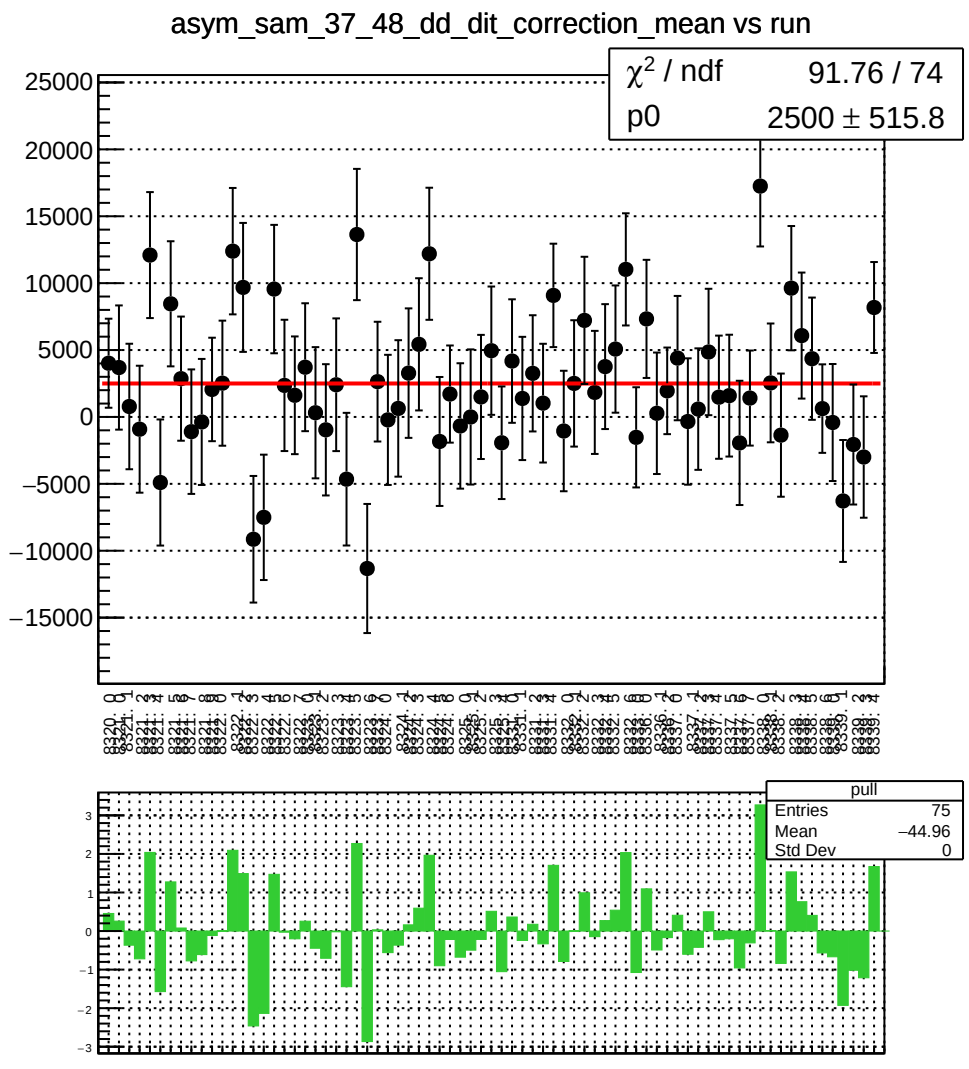

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 1752 / 74
p0 51.37 ± 0.04225
58
56
54
52
50
48

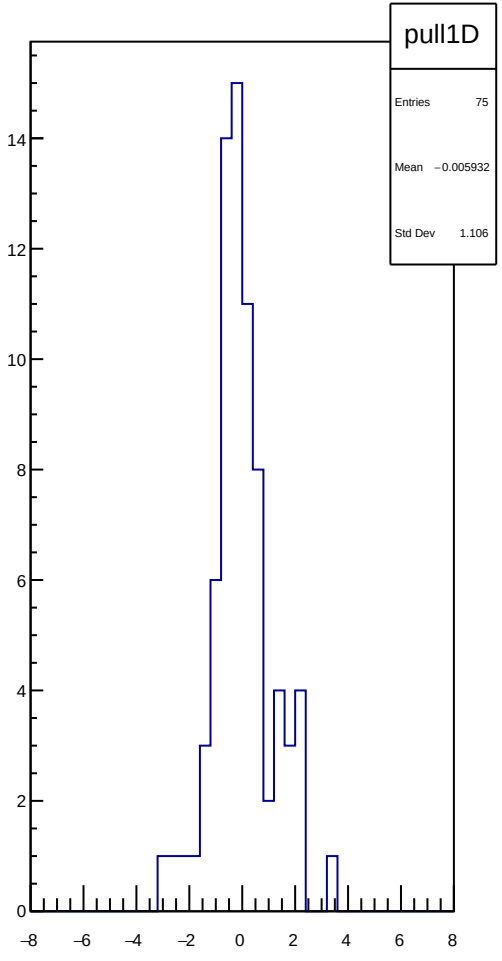

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 91.05 / 74
p0 2304 ± 492.4
pull
Entries 75
Mean −111.8
Std Dev 0
pull1D
Entries 75
Mean −0.003969
Std Dev 1.102

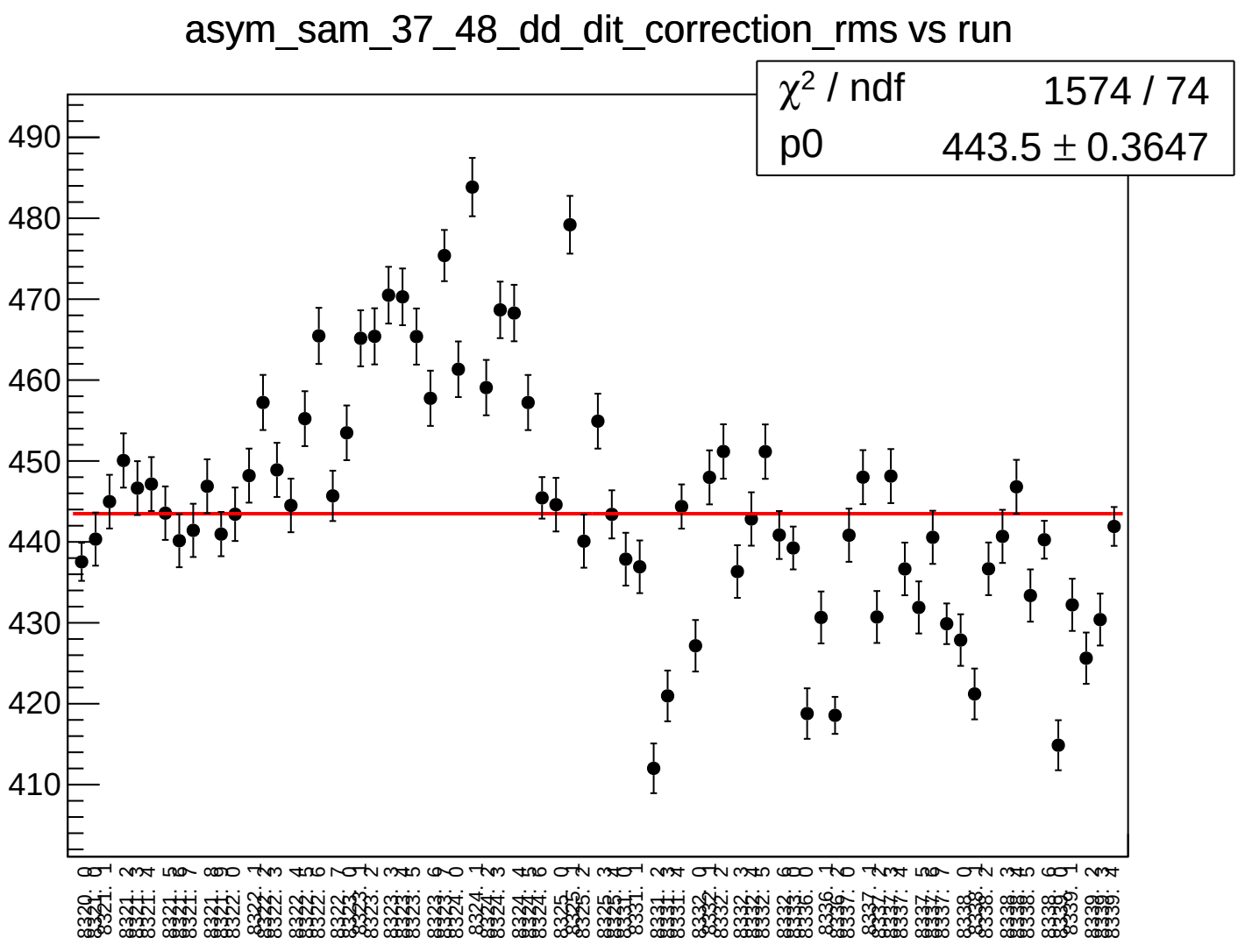

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1504 / 74
p0 423.4 ± 0.3482
470
460
450
440
430
420
410
400
390

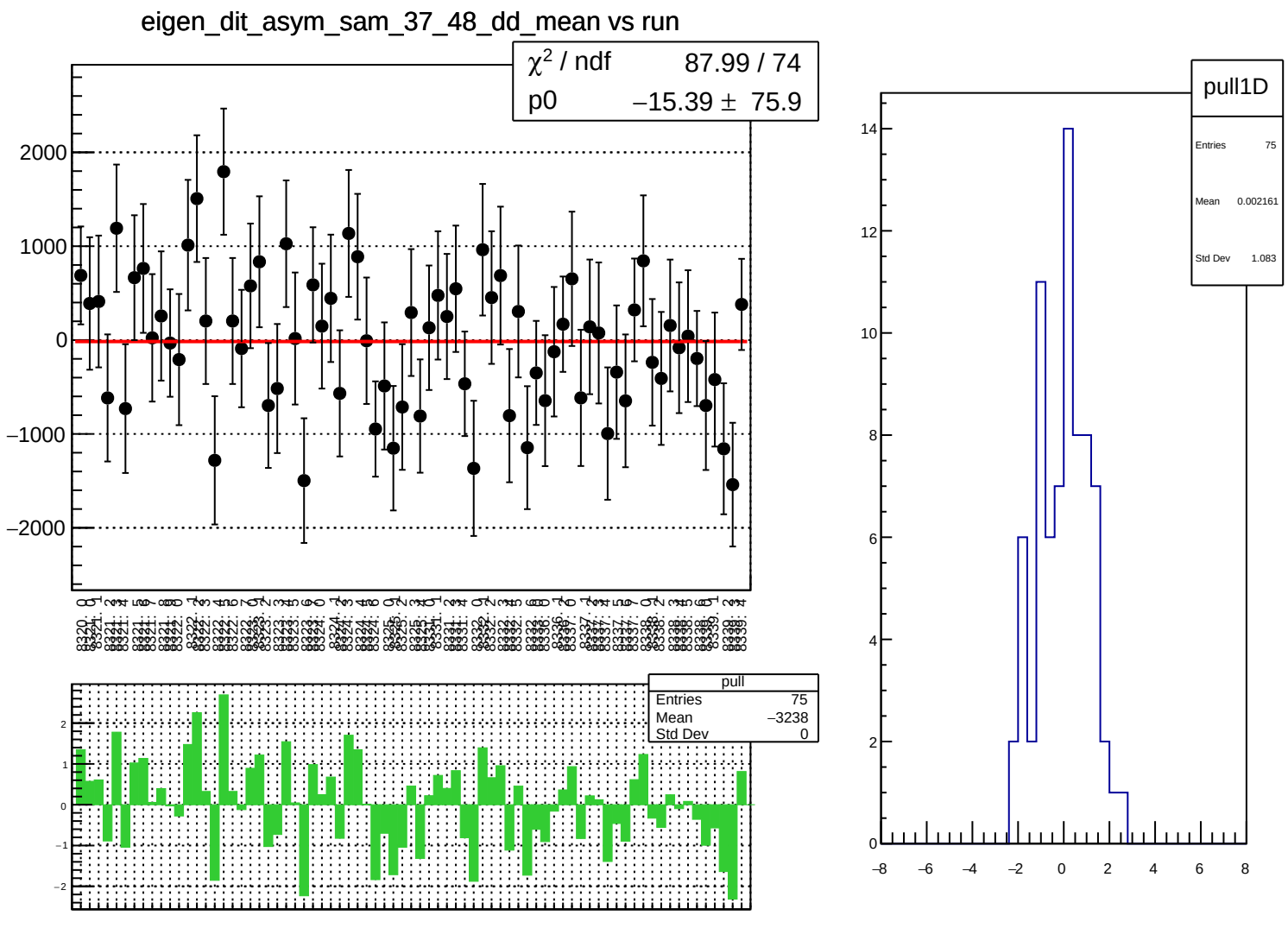

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.99 / 74
p0 −15.38 ± 75.9
2000
1000
0
−1000
−2000
pull
Entries 75
Mean −3238
Std Dev 0
pull1D
Entries 75
Mean 0.002161
Std Dev 1.083

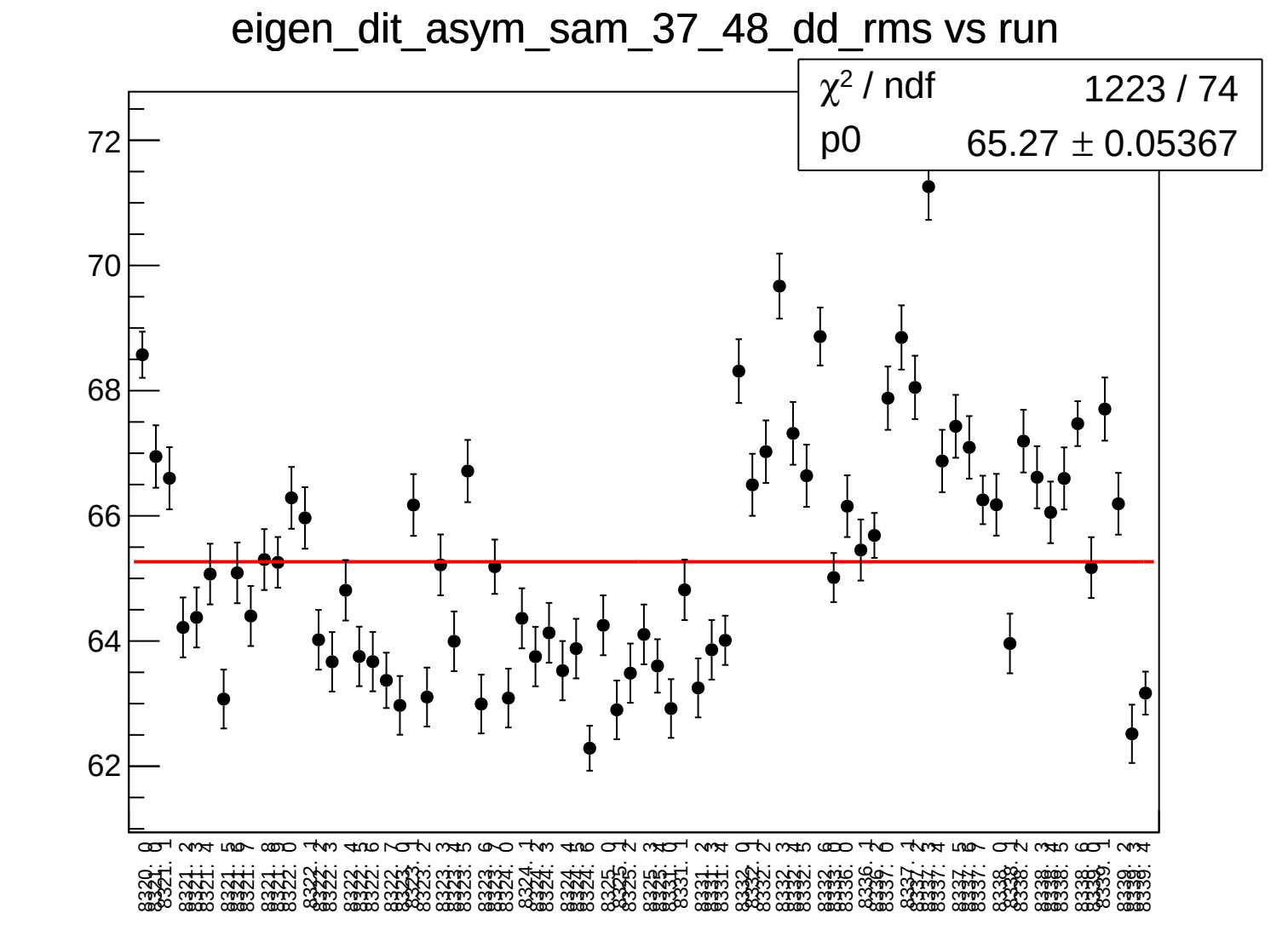

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1223 / 74
p0 65.27 ± 0.05367
72
70
68
66
64
62

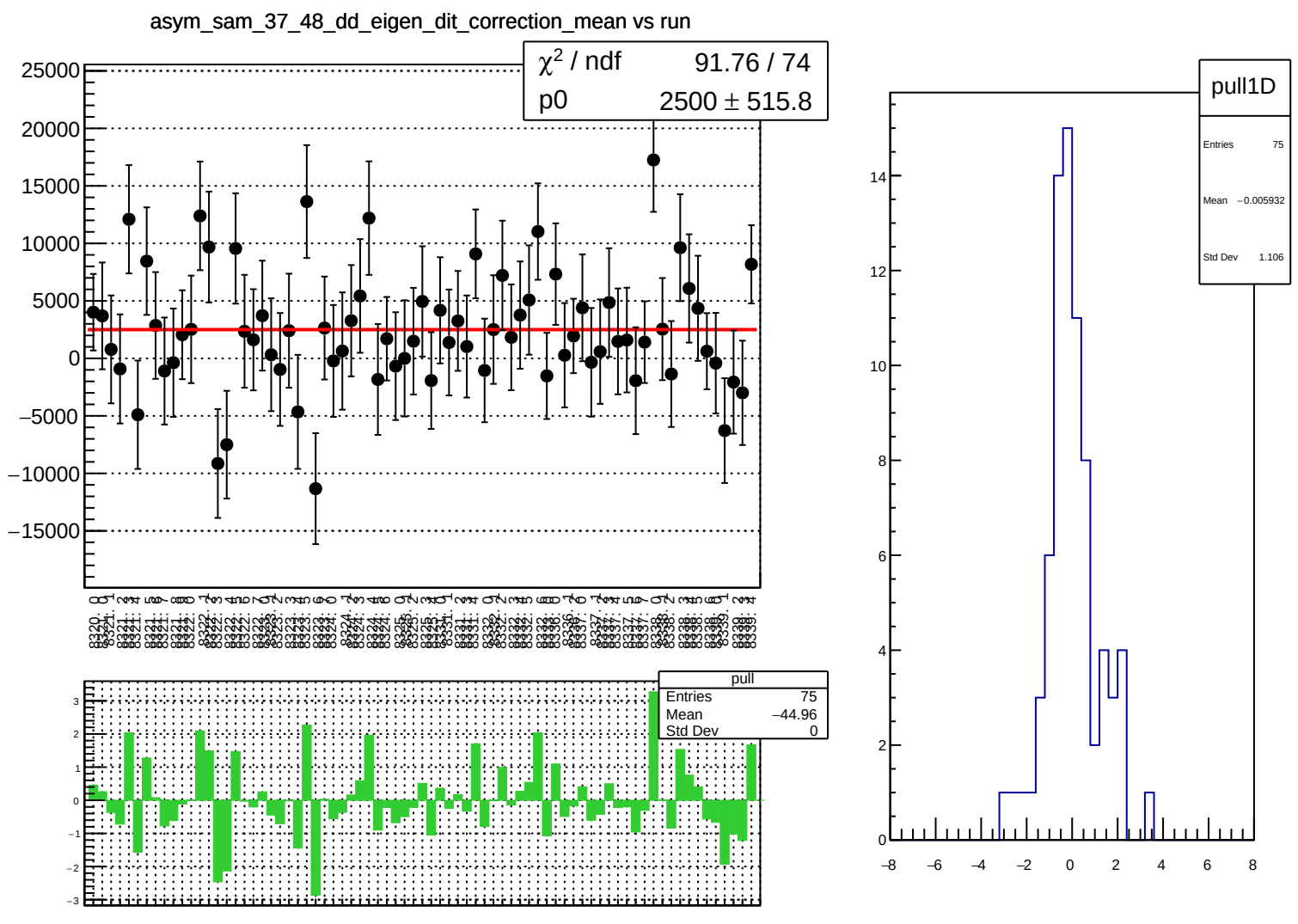

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 91.76 / 74
p0 2500 ± 515.8
pull
Entries 75
Mean −44.96
Std Dev 0

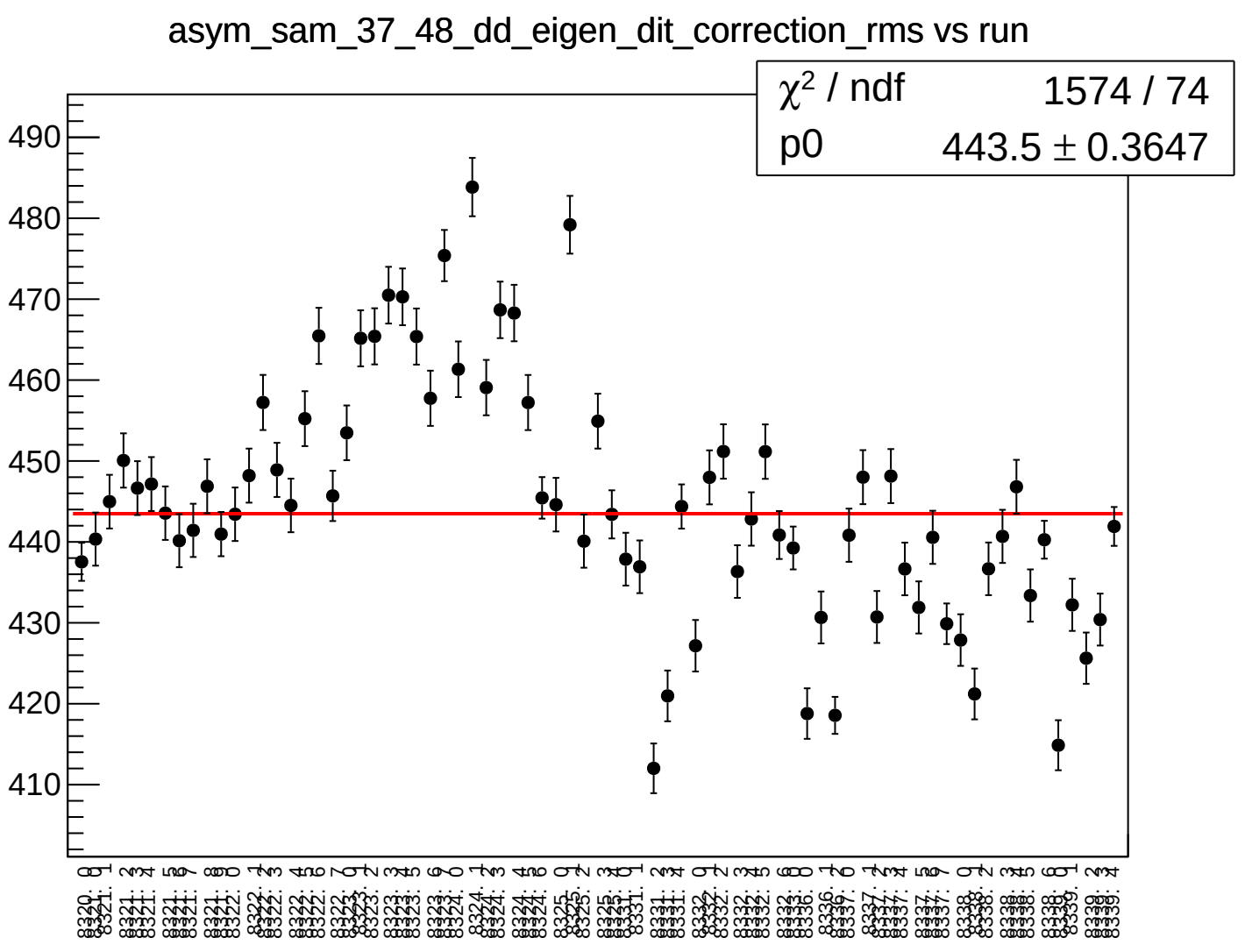

pull1D
Entries 75
Mean −0.005932
Std Dev 1.106

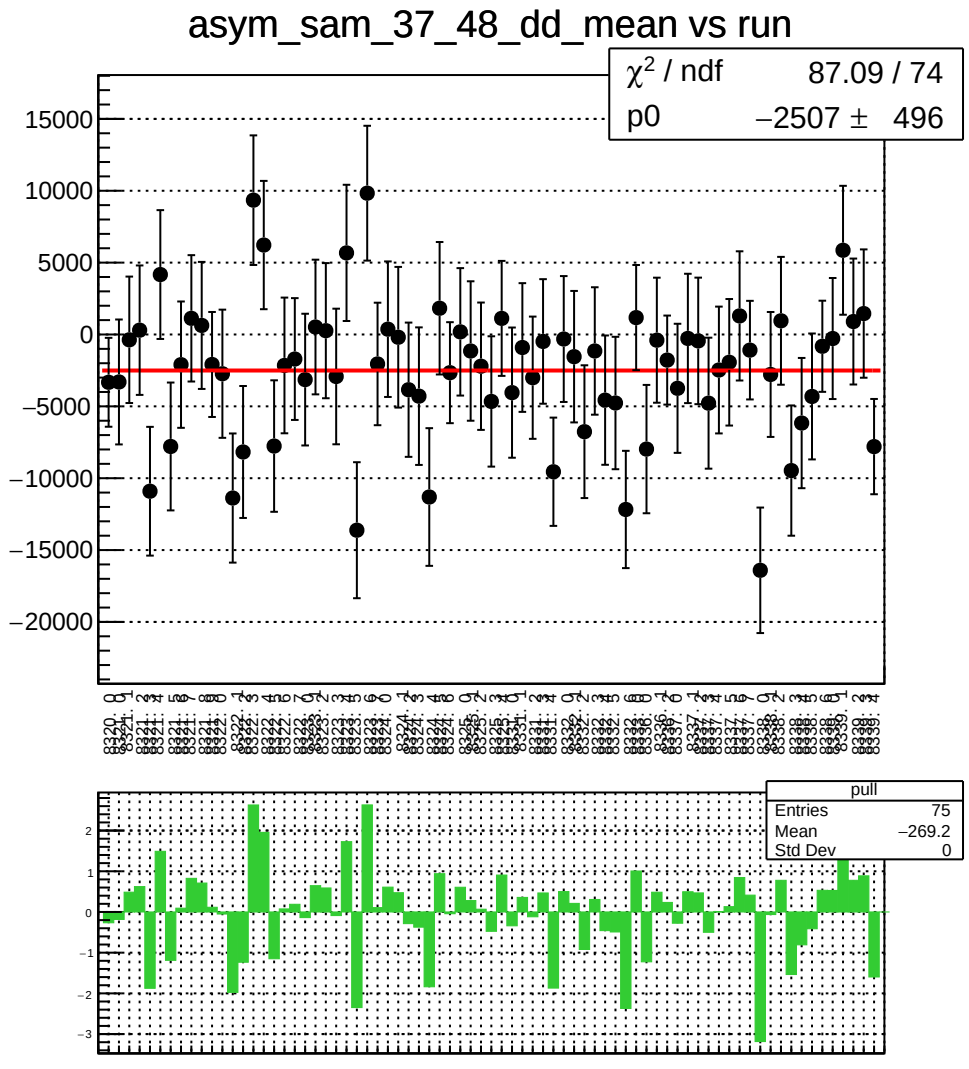

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 1574 / 74
p0 443.5 ± 0.3647
490
480
470
460
450
440
430
420
410

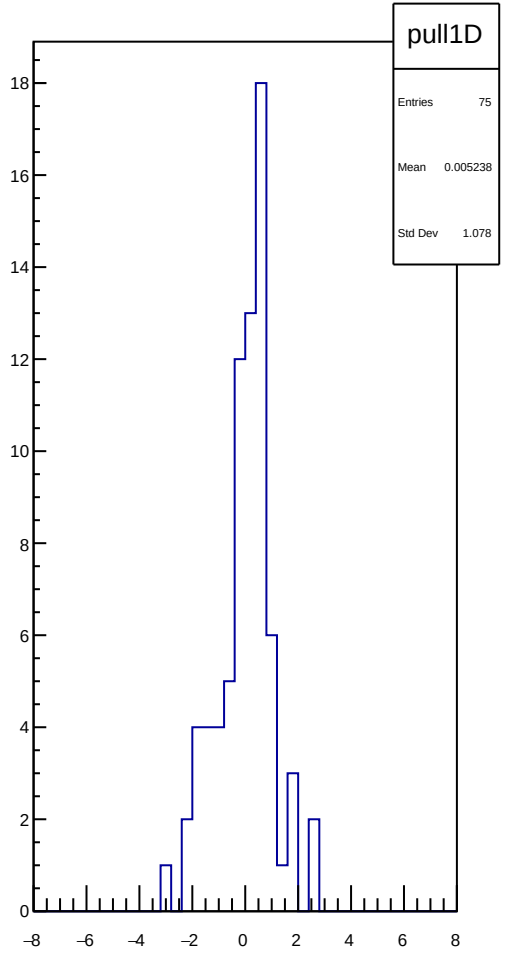

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.99 / 74
p0 −15.39 ± 75.9
2000
1000
0
−1000
−2000
pull
Entries 75
Mean −3238
Std Dev 0
pull1D
Entries 75
Mean 0.002161
Std Dev 1.083

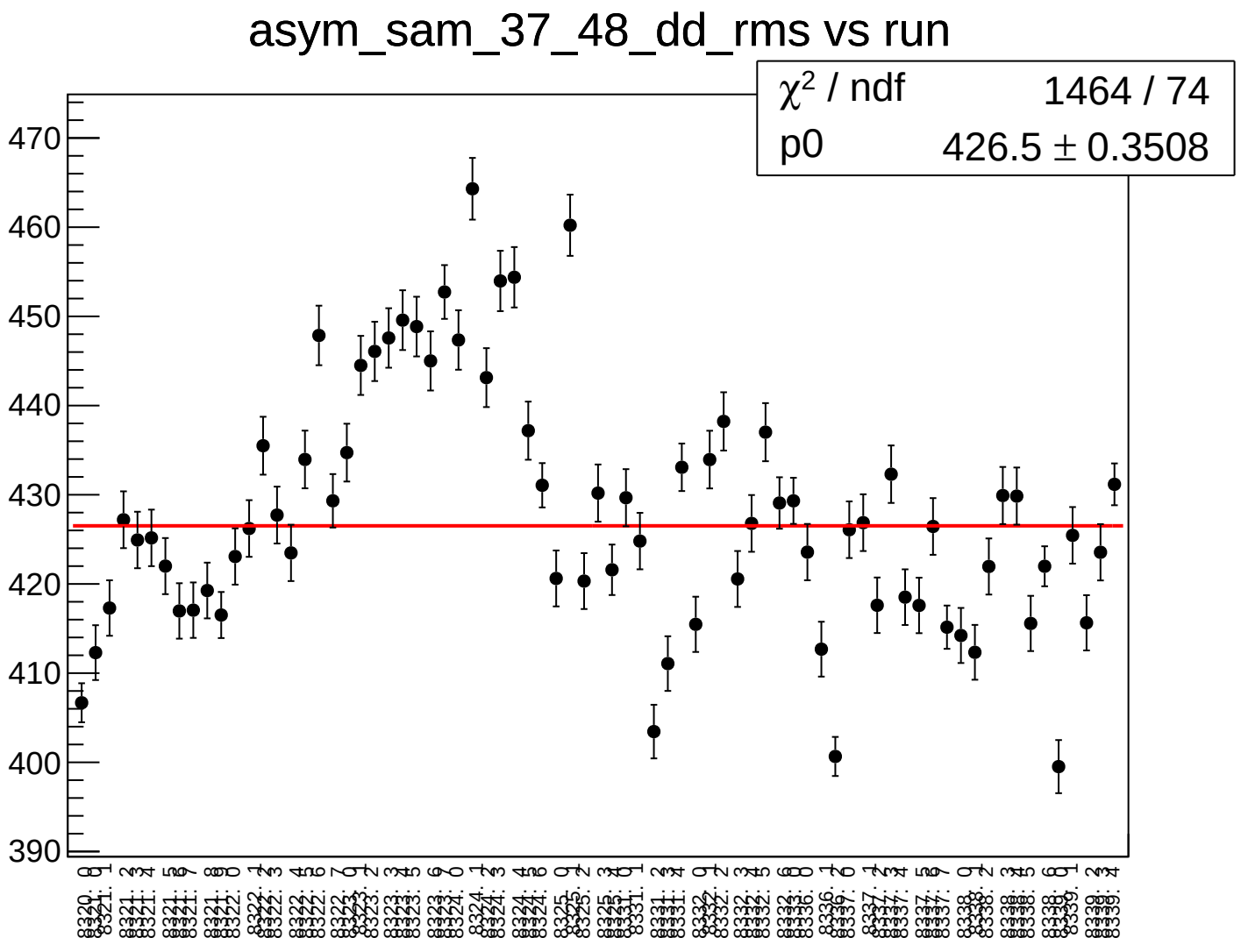

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1223 / 74
p0 65.27 ± 0.05367
72
70
68
66
64
62

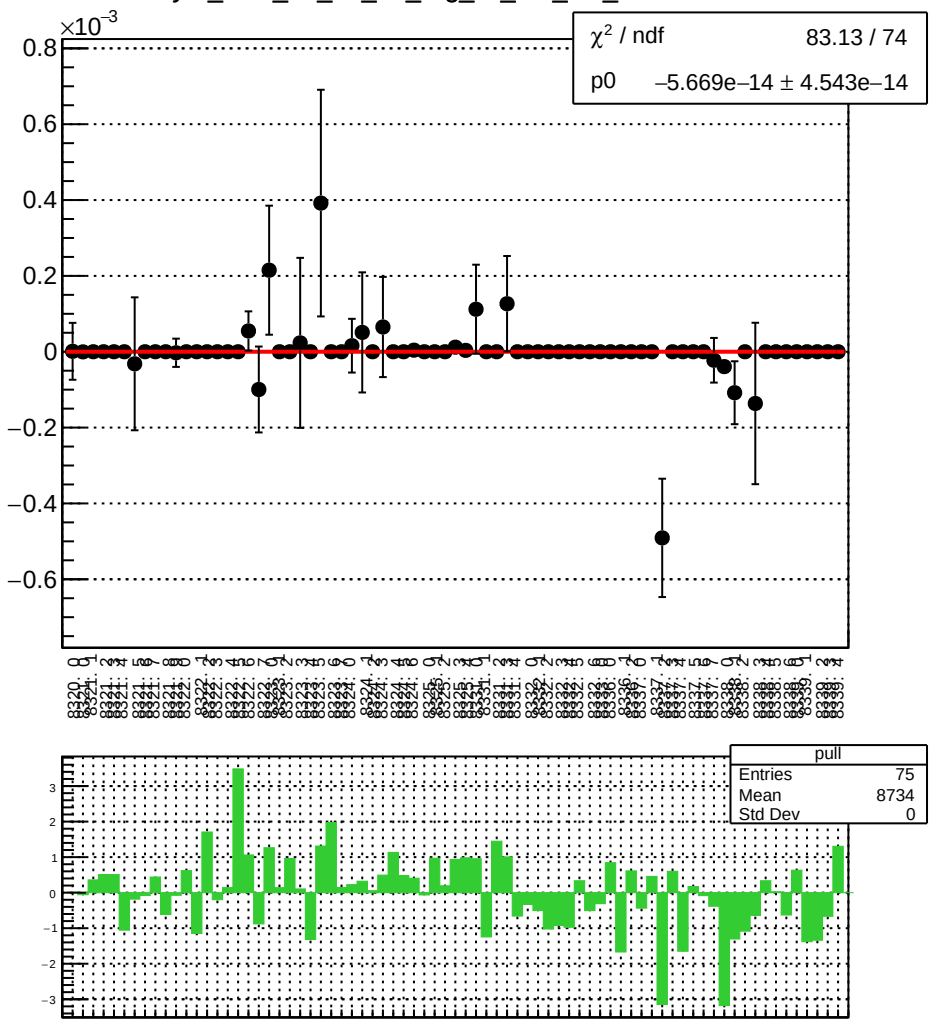

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 91.76 / 74
p0 2500 ± 515.8
pull
Entries 75
Mean −44.96
Std Dev 0
pull1D
Entries 75
Mean −0.005932
Std Dev 1.106

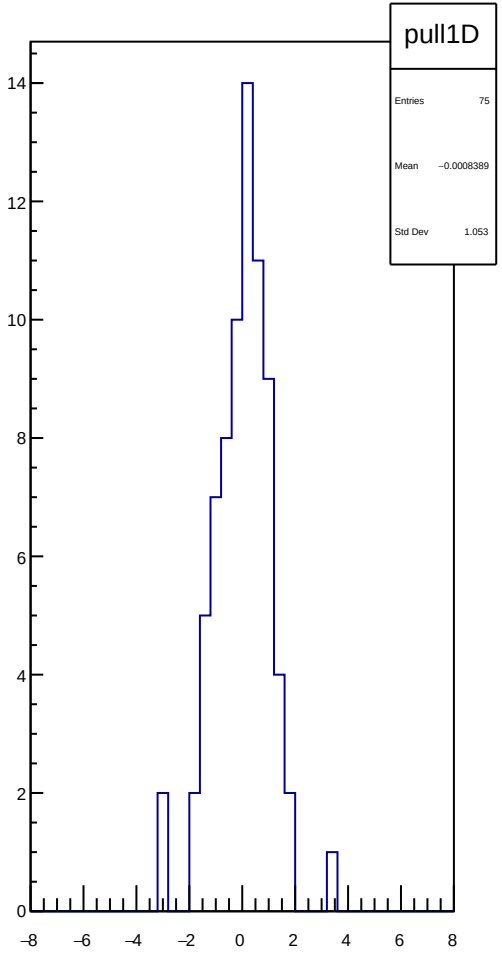

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1574 / 74
p0 443.5 ± 0.3647
490
480
470
460
450
440
430
420
410

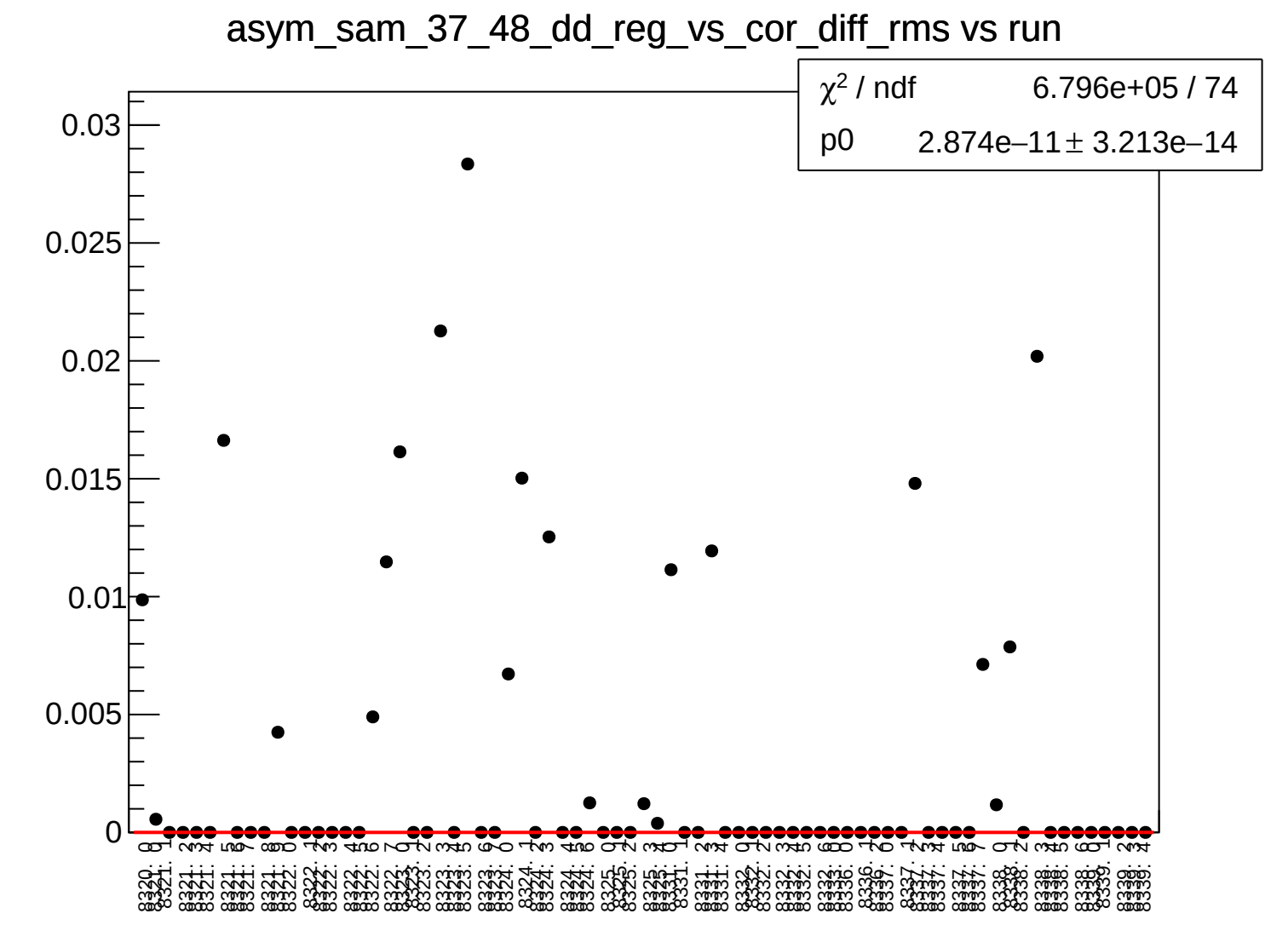

asym_sam_37_48_dd_mean vs run
χ² / ndf 87.09 / 74
p0 −2507 ± 496
pull
Entries 75
Mean −269.2
Std Dev 0

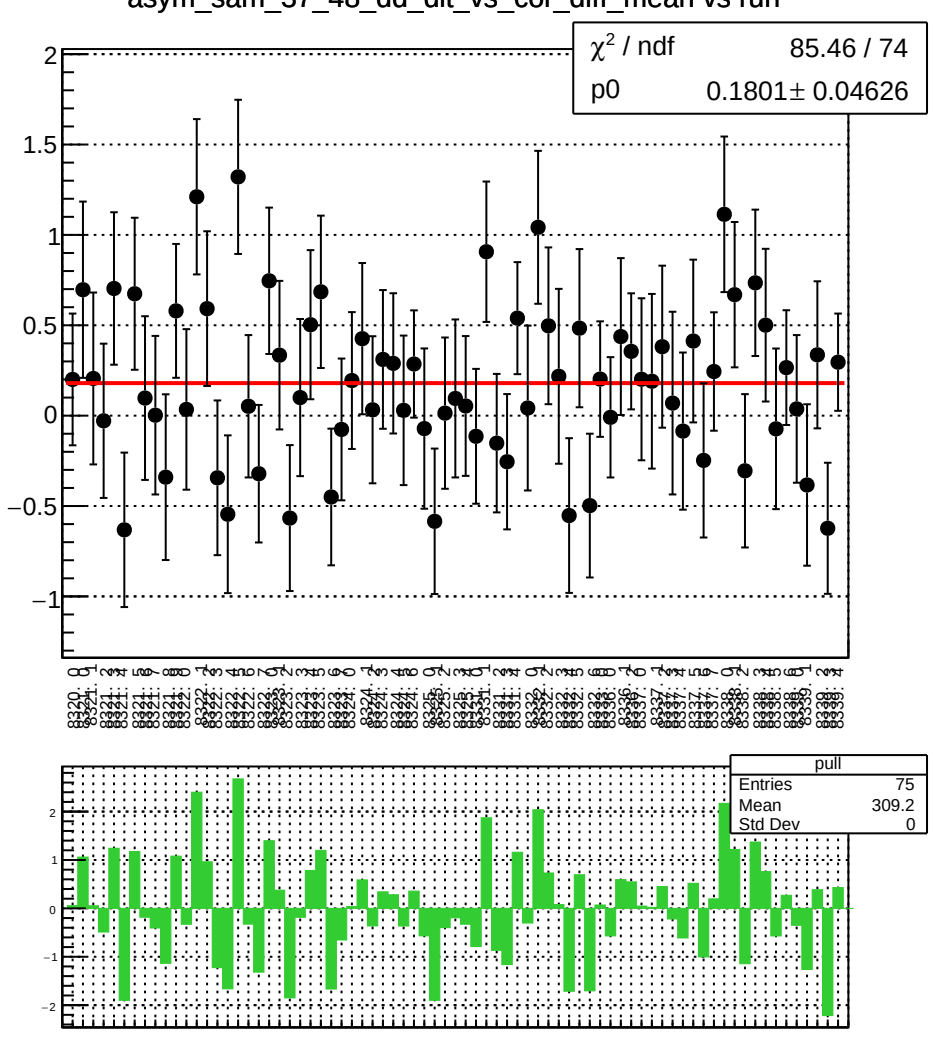

pull1D
Entries 75
Mean 0.005238
Std Dev 1.078

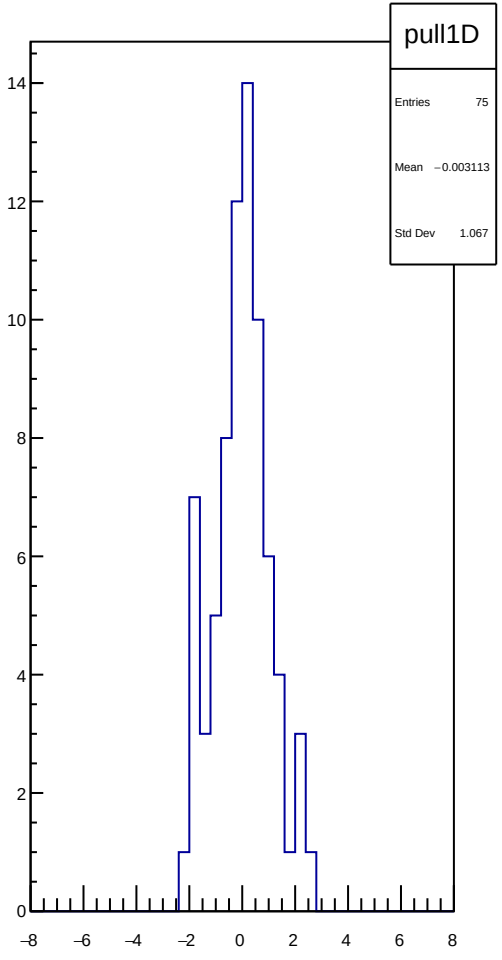

asym_sam_37_48_dd_rms vs run
χ² / ndf 1464 / 74
p0 426.5 ± 0.3508
470
460
450
440
430
420
410
400
390

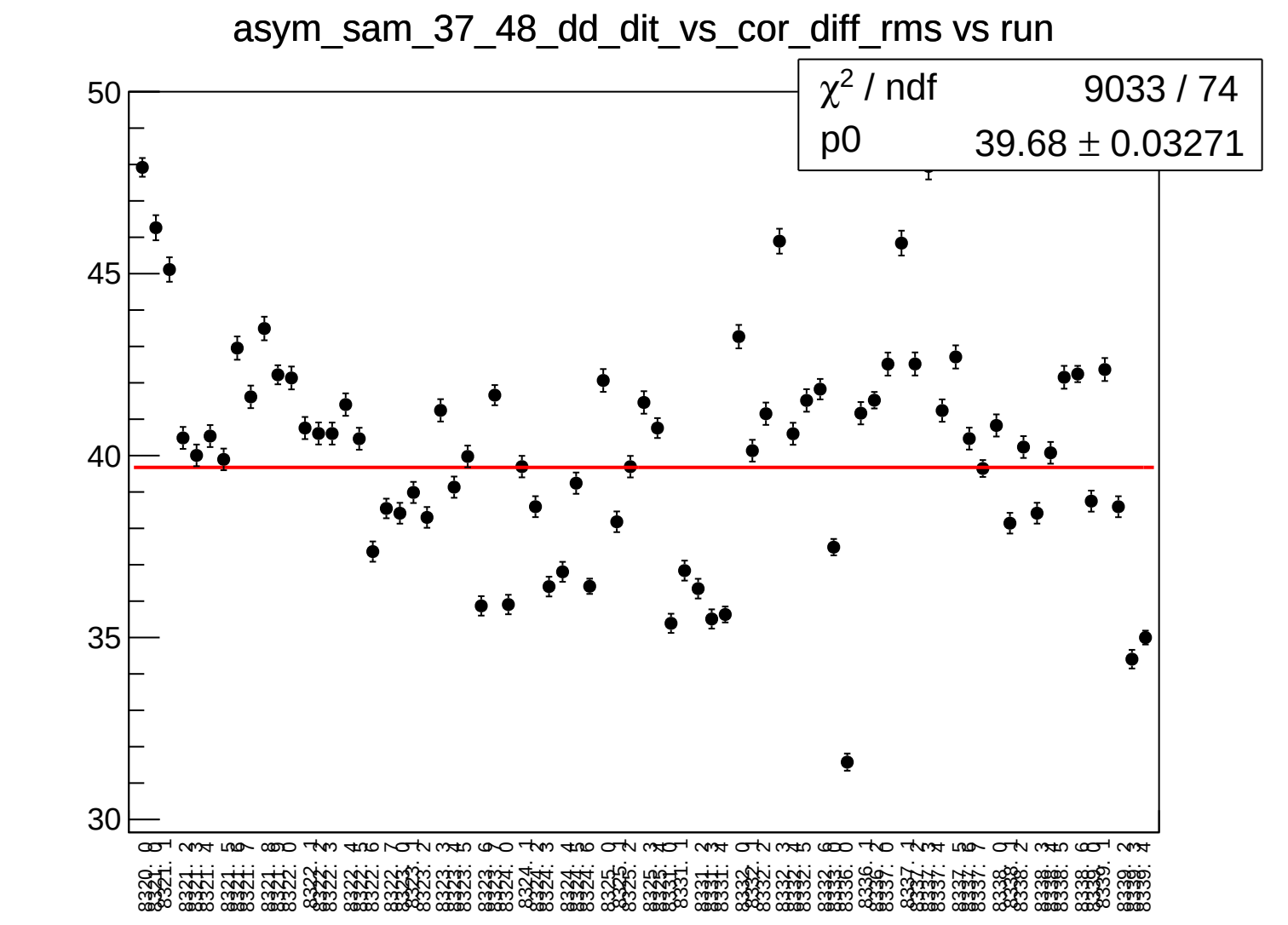

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 83.13 / 74
p0 −5.669e−14 ± 4.543e−14
pull
Entries 75
Mean 8734
Std Dev 0

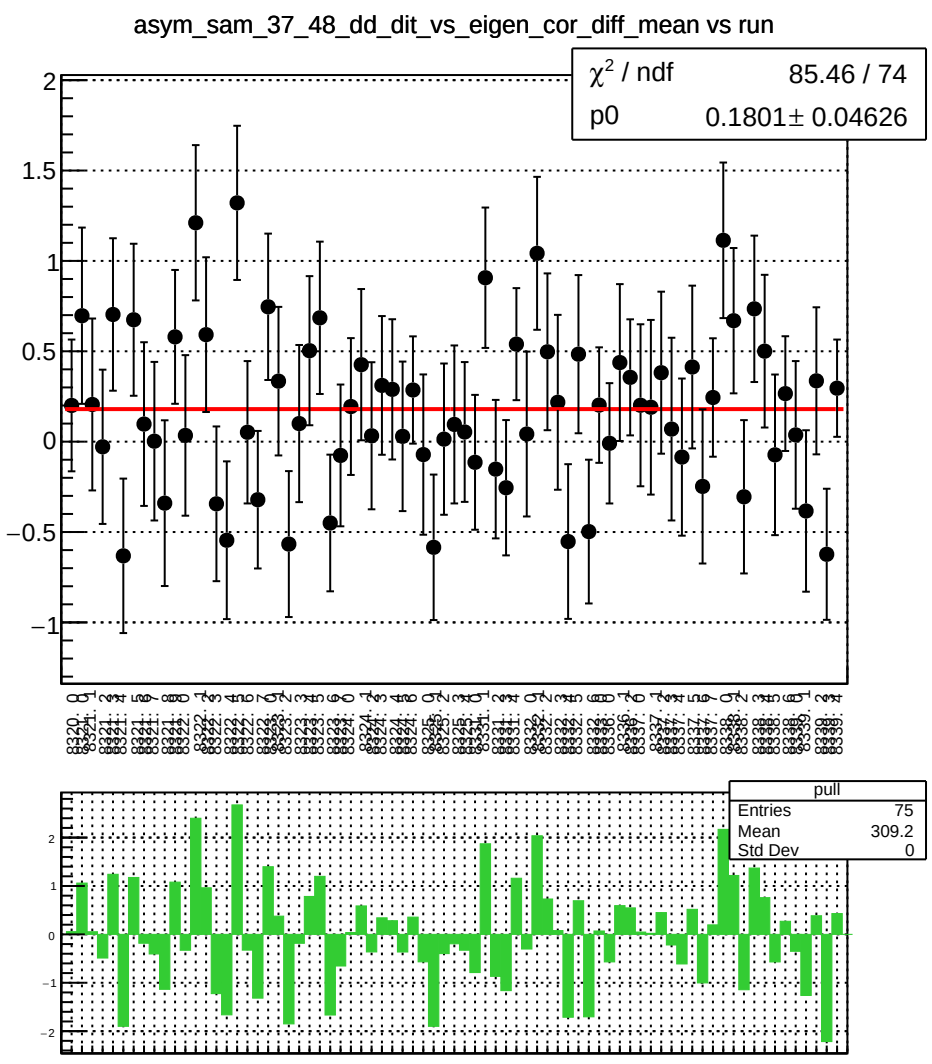

pull1D
Entries 75
Mean −0.0008389
Std Dev 1.053

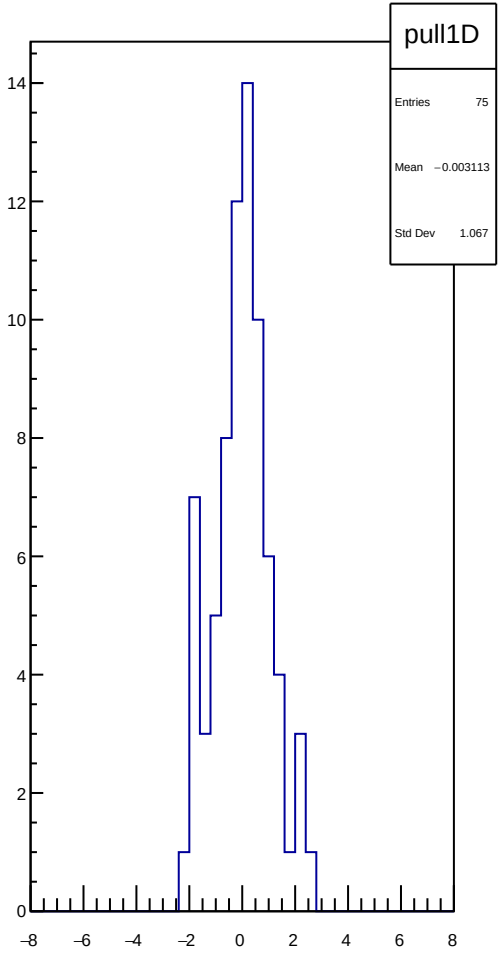

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.796e+05 / 74
p0 2.874e−11 ± 3.213e−14
0.03
0.025
0.02
0.015
0.01
0.005
0

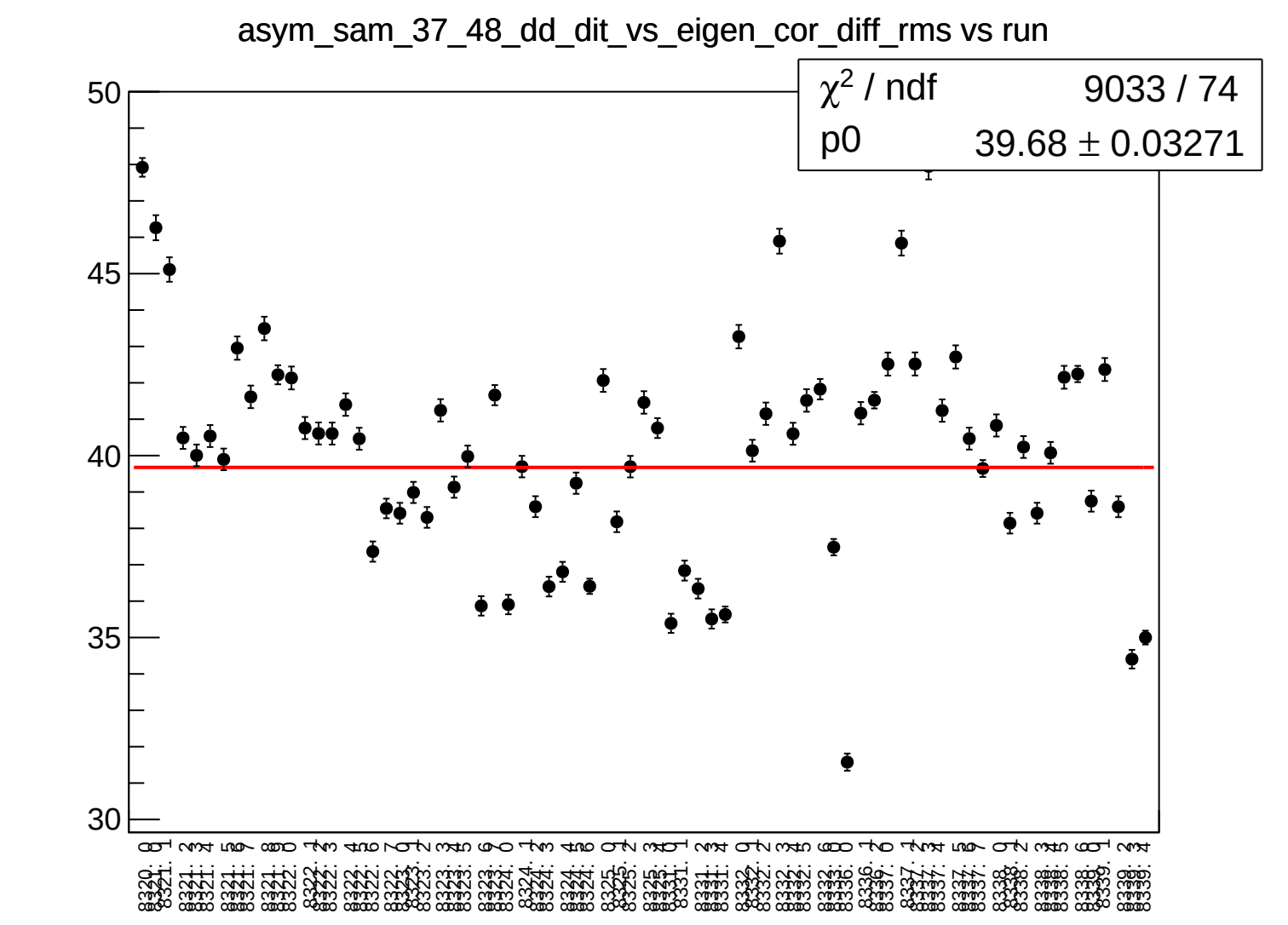

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 85.46 / 74
p0 0.1801± 0.04626
pull
Entries 75
Mean 309.2
Std Dev 0

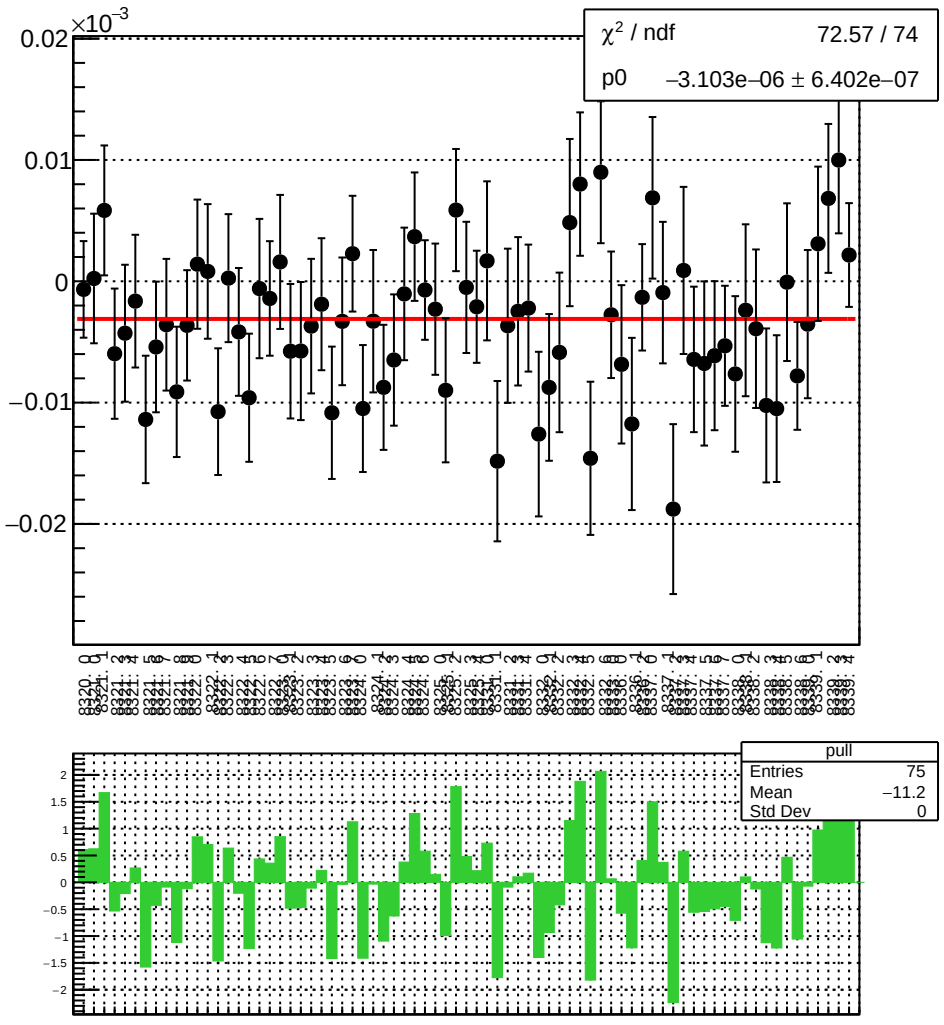

pull1D
Entries 75
Mean −0.003113
Std Dev 1.067

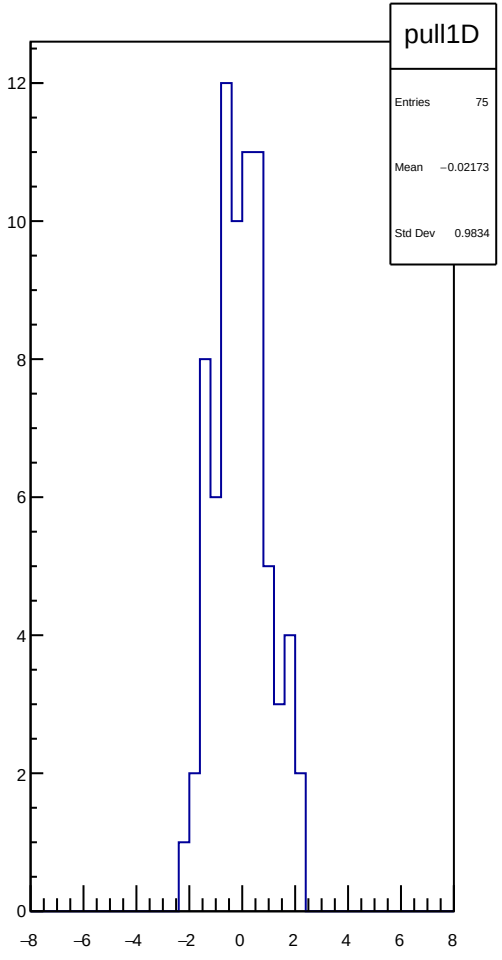

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9033 / 74
p0 39.68 ± 0.03271
50
45
40
35
30

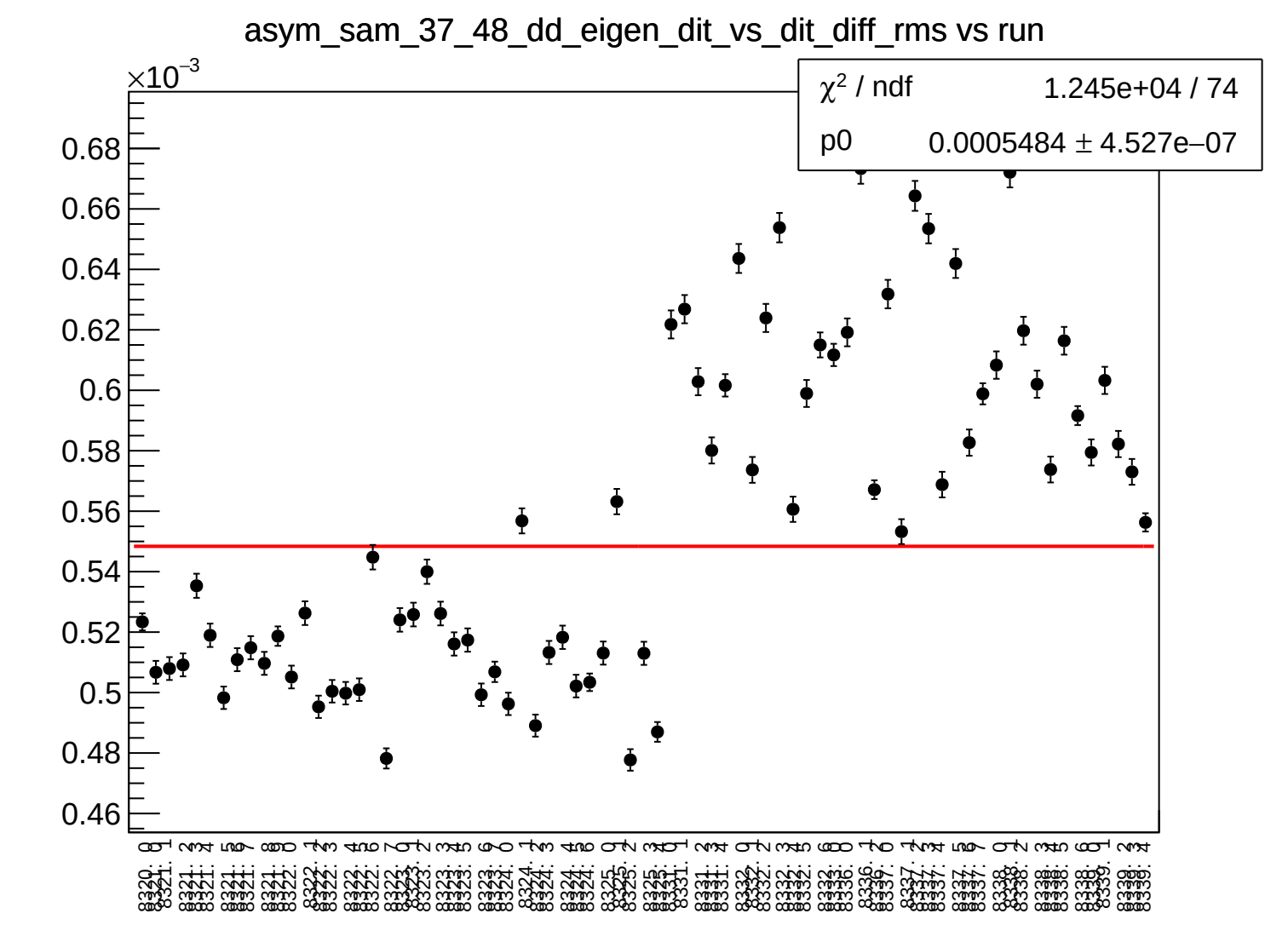

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.46 / 74
p0 0.1801± 0.04626
pull
Entries 75
Mean 309.2
Std Dev 0

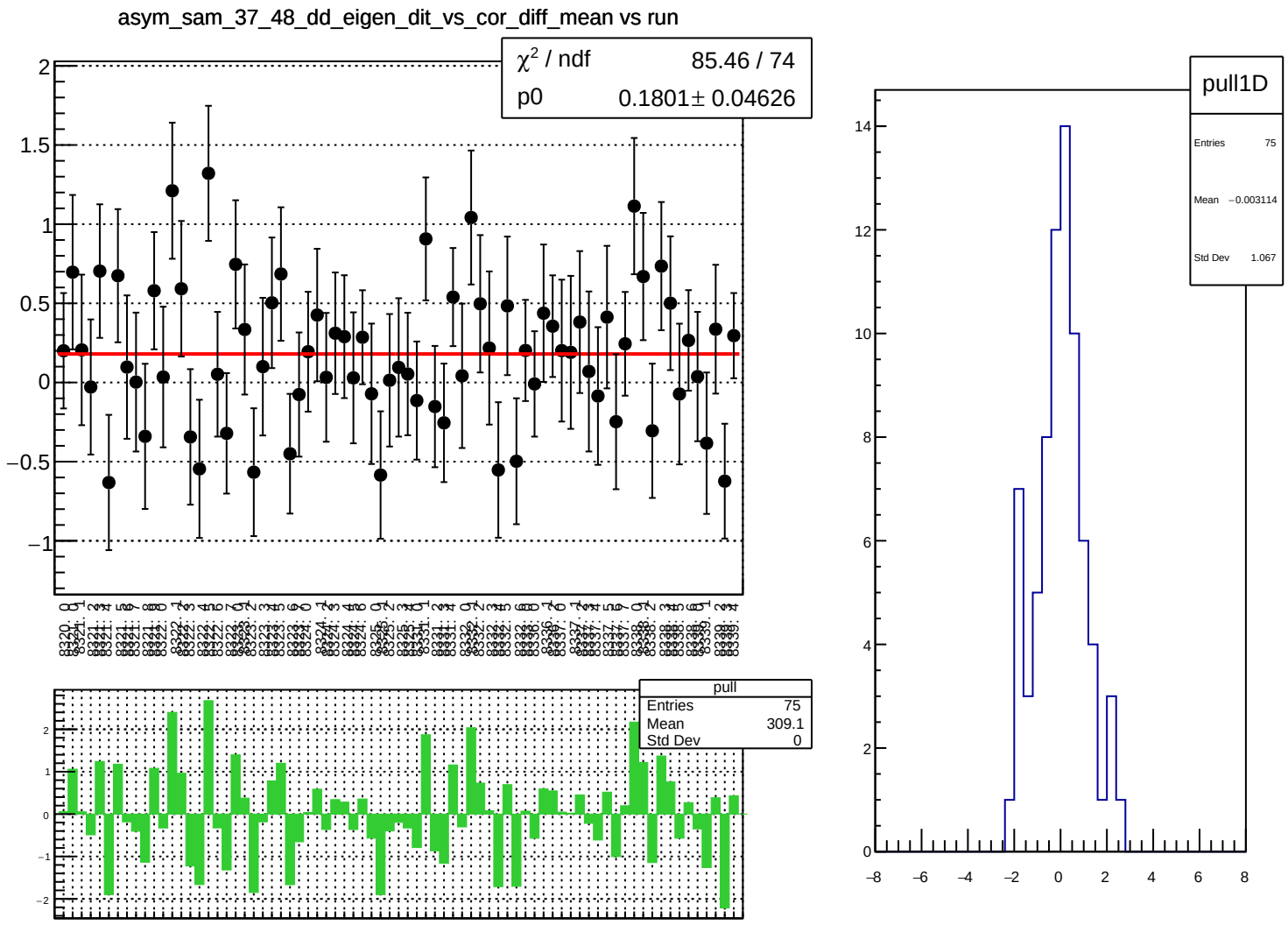

pull1D
Entries 75
Mean −0.003113
Std Dev 1.067

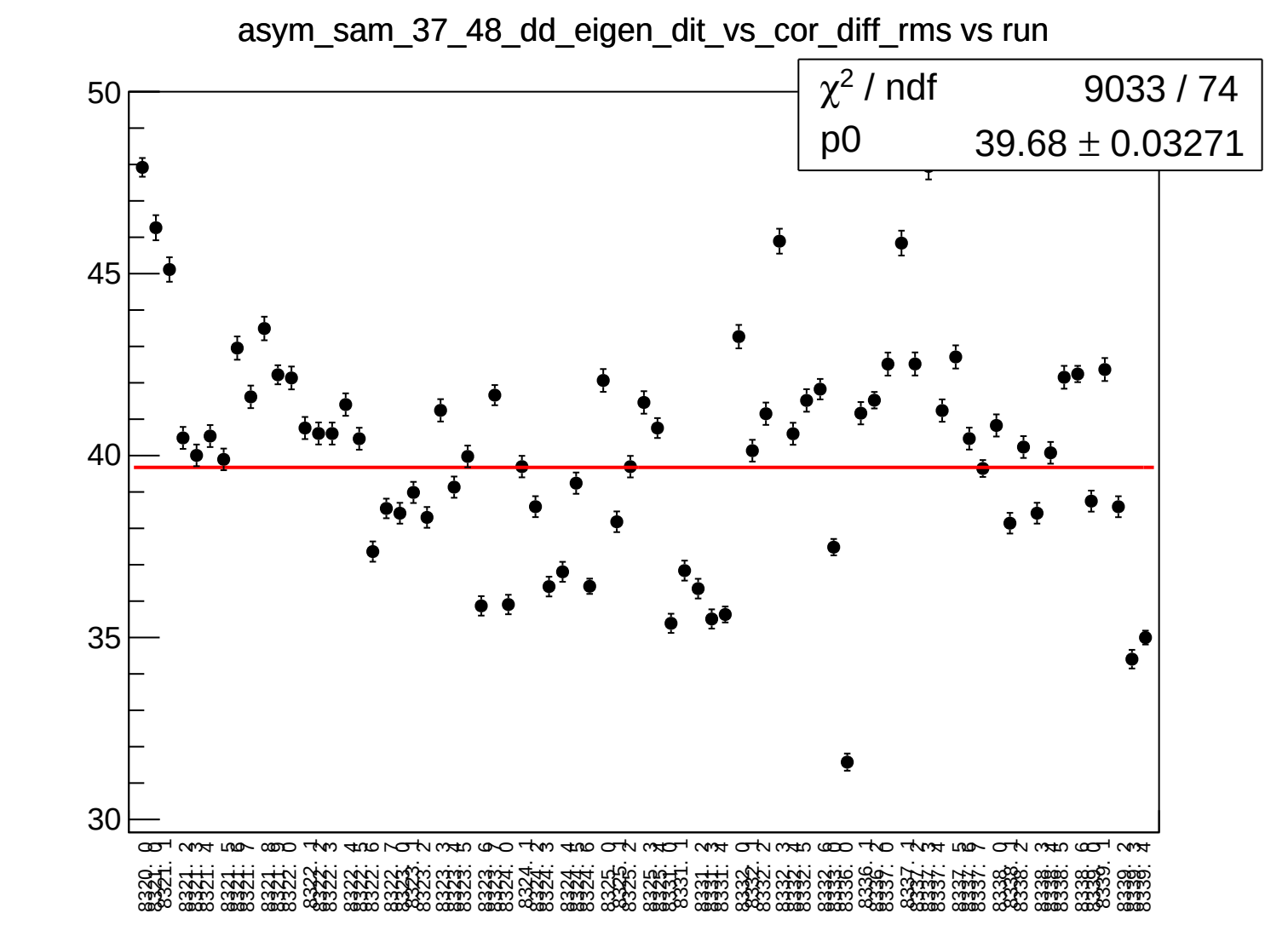

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9033 / 74
p0 39.68 ± 0.03271
50
45
40
35
30

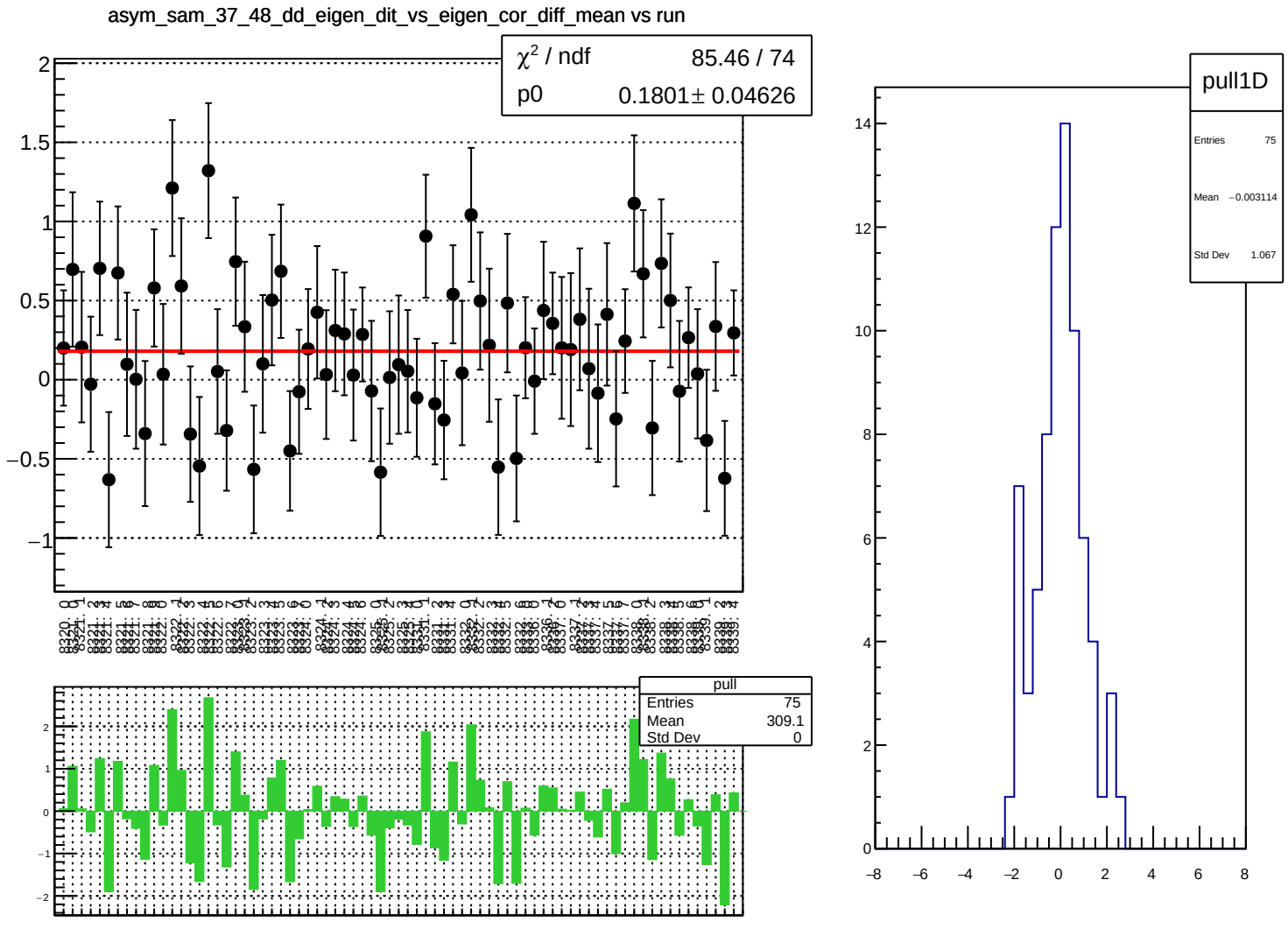

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 72.57 / 74
p0 −3.103e−06 ± 6.402e−07
×10⁻³
pull
Entries 75
Mean −11.2
Std Dev 0

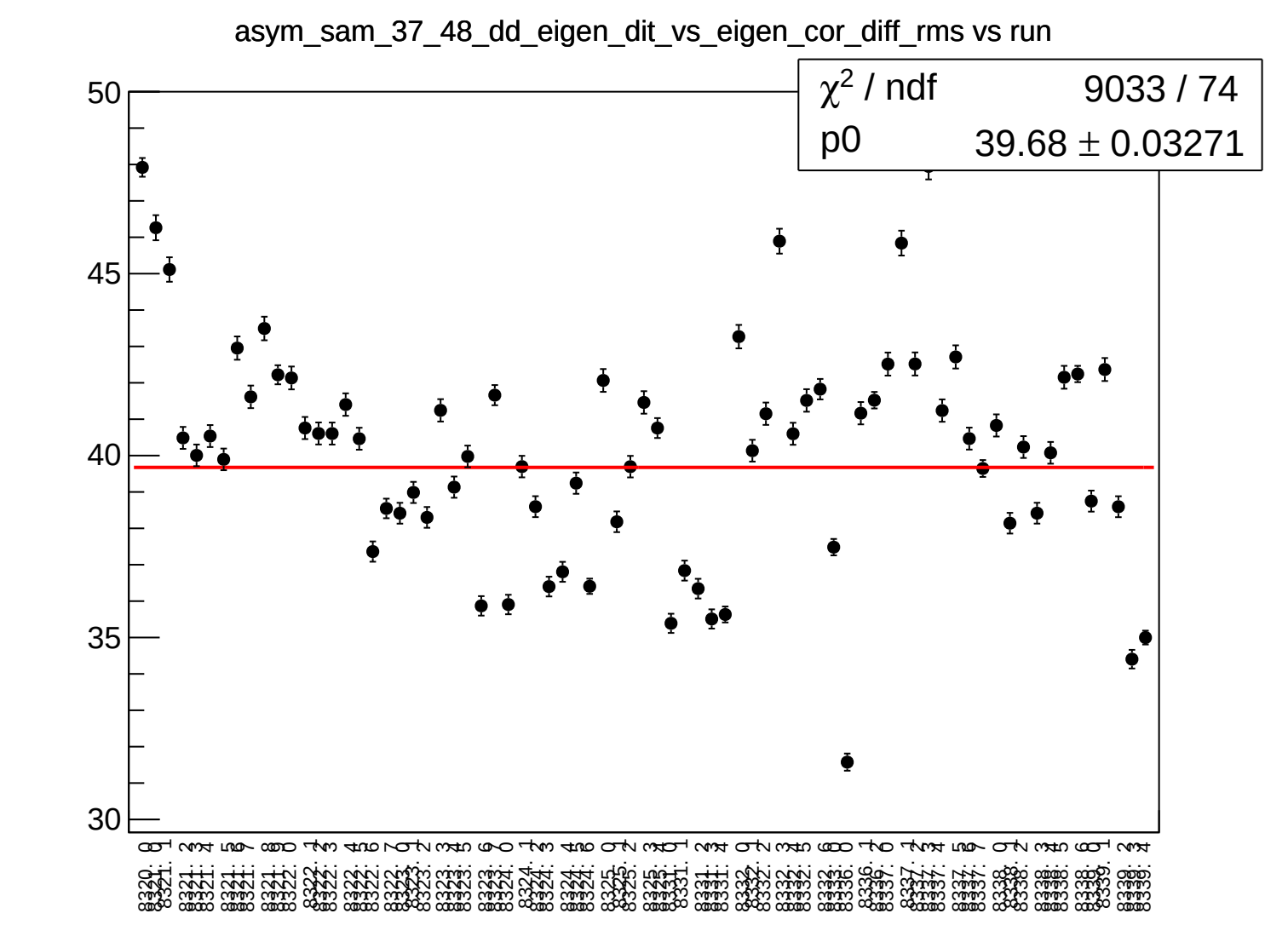

pull1D
Entries 75
Mean −0.02173
Std Dev 0.9834

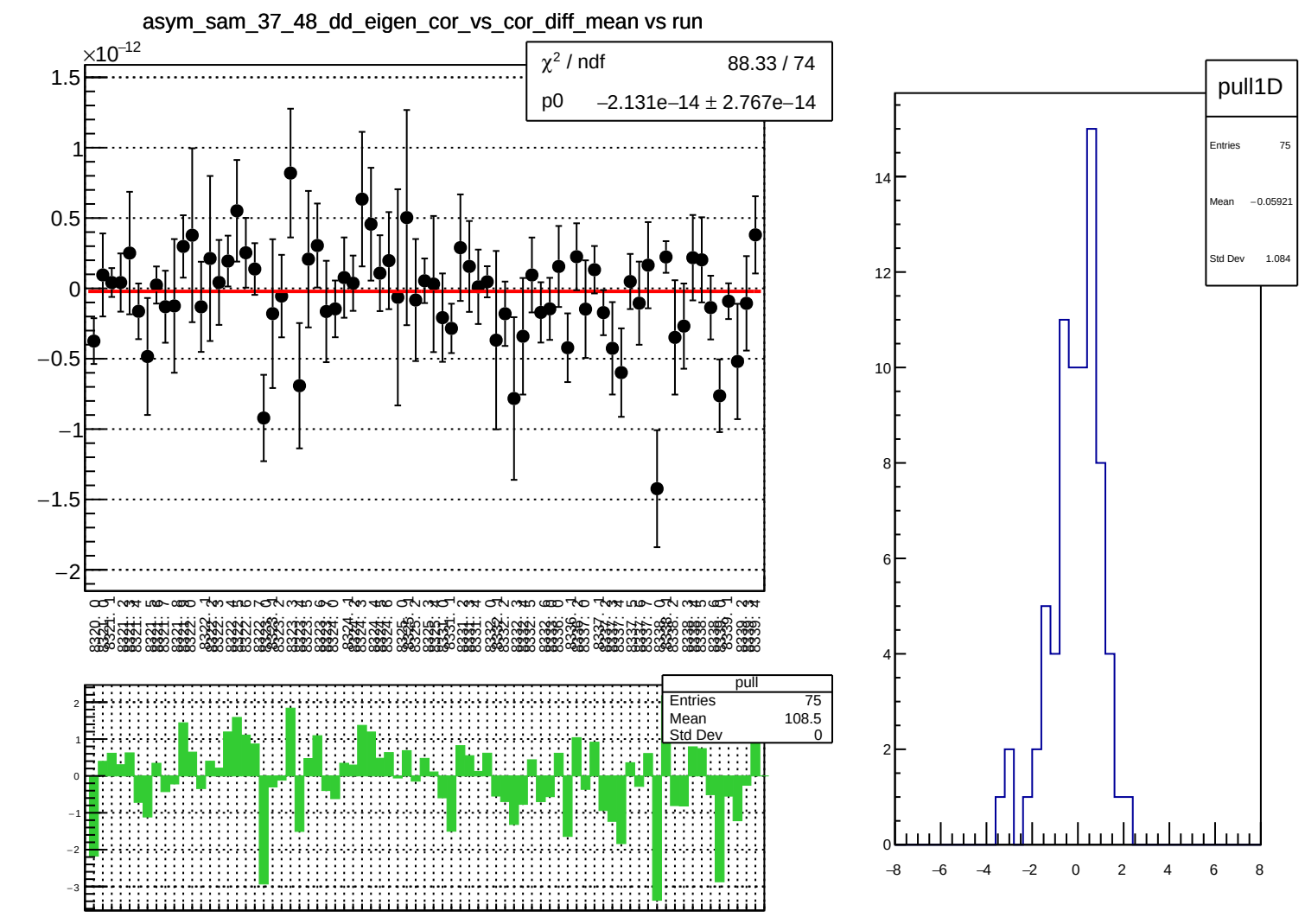

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1.245e+04 / 74
p0 0.0005484 ± 4.527e−07
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46

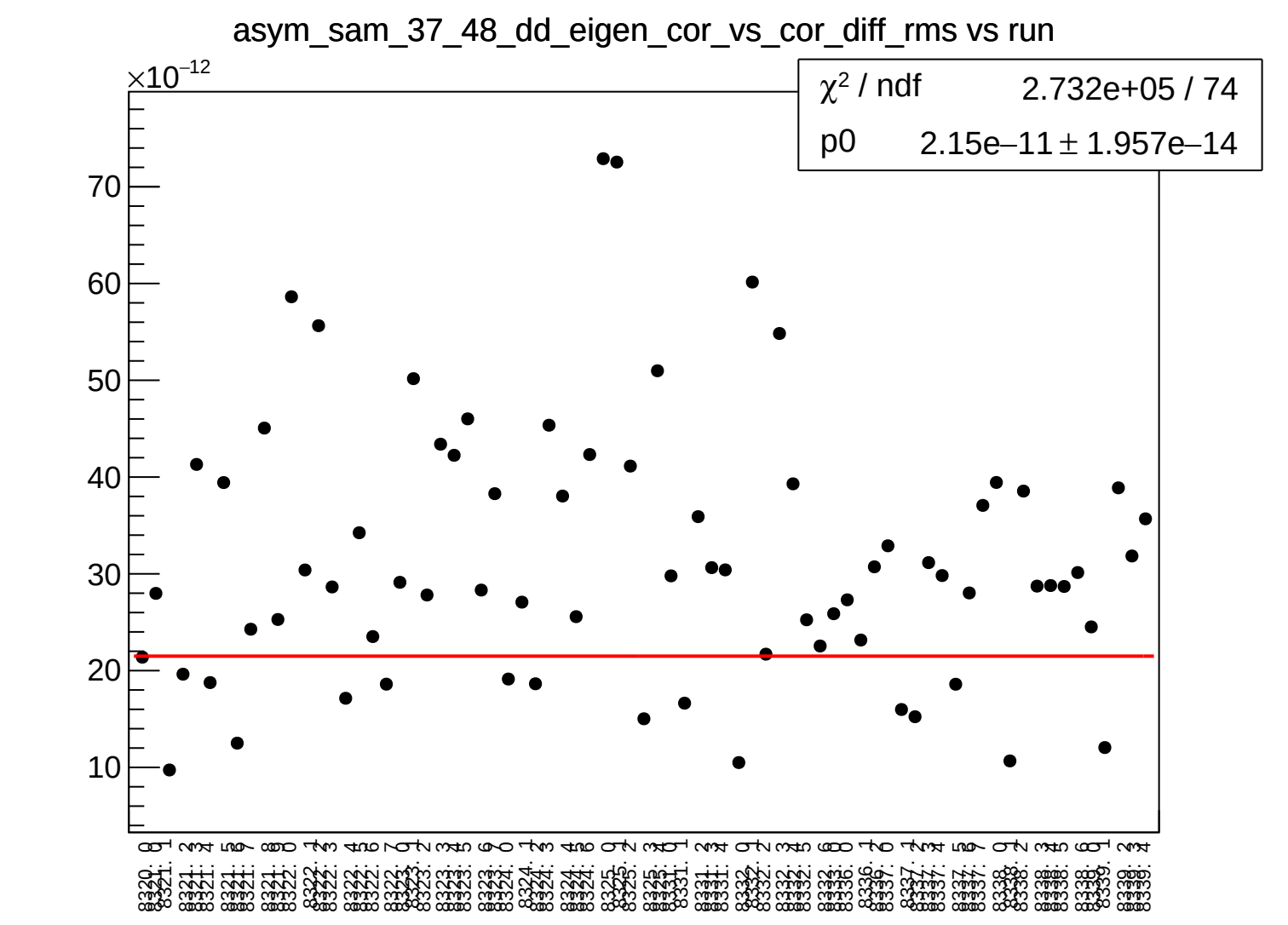

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 85.46 / 74
p0 0.1801± 0.04626
pull
Entries 75
Mean 309.1
Std Dev 0
pull1D
Entries 75
Mean −0.003114
Std Dev 1.067

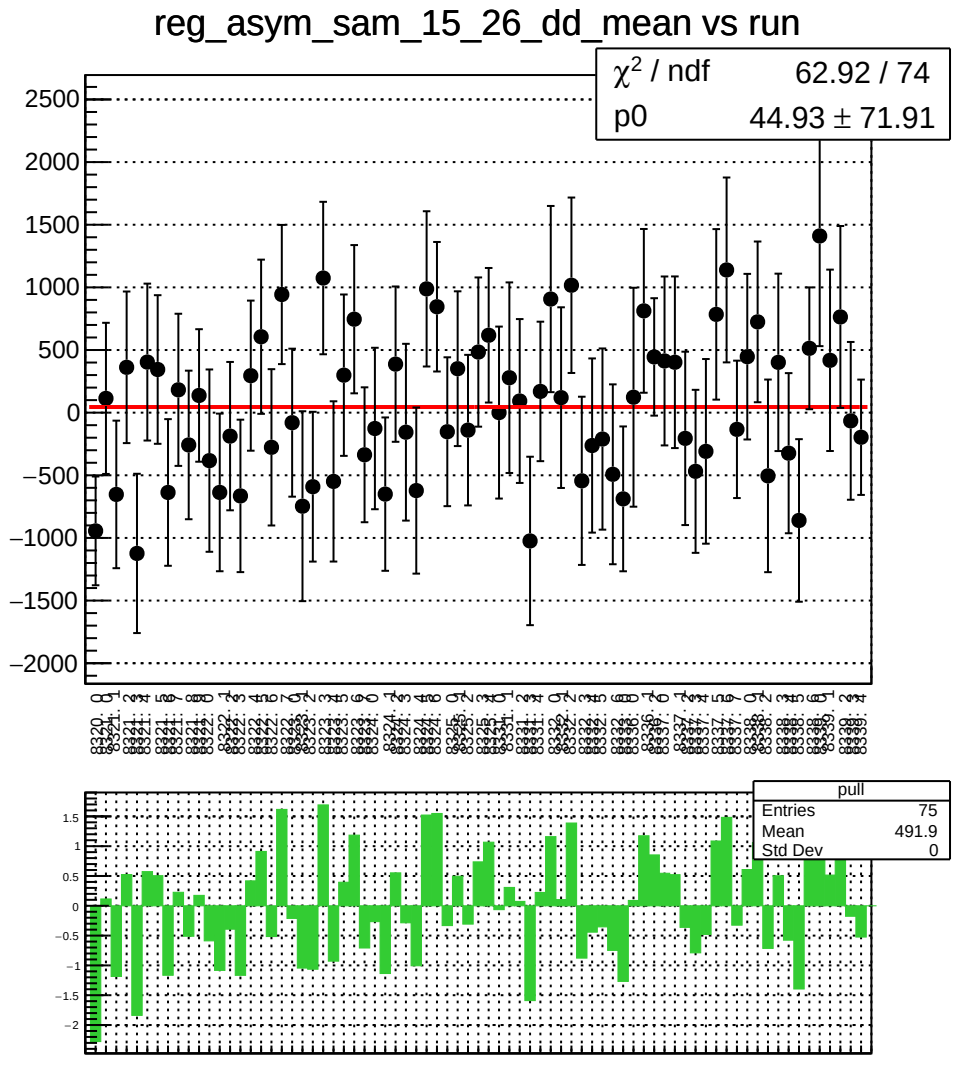

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 9033 / 74
p0 39.68 ± 0.03271
50
45
40
35
30

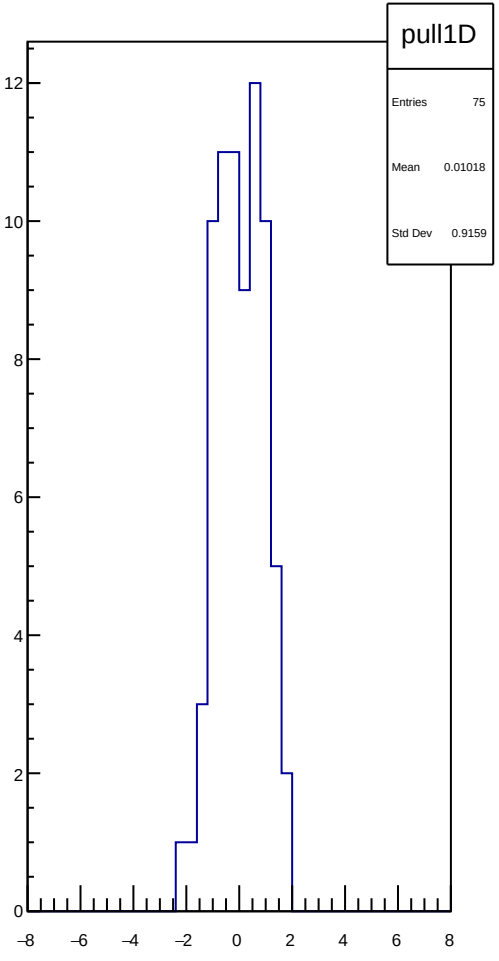

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 85.46 / 74
p0 0.1801± 0.04626
pull
Entries 75
Mean 309.1
Std Dev 0
pull1D
Entries 75
Mean −0.003114
Std Dev 1.067

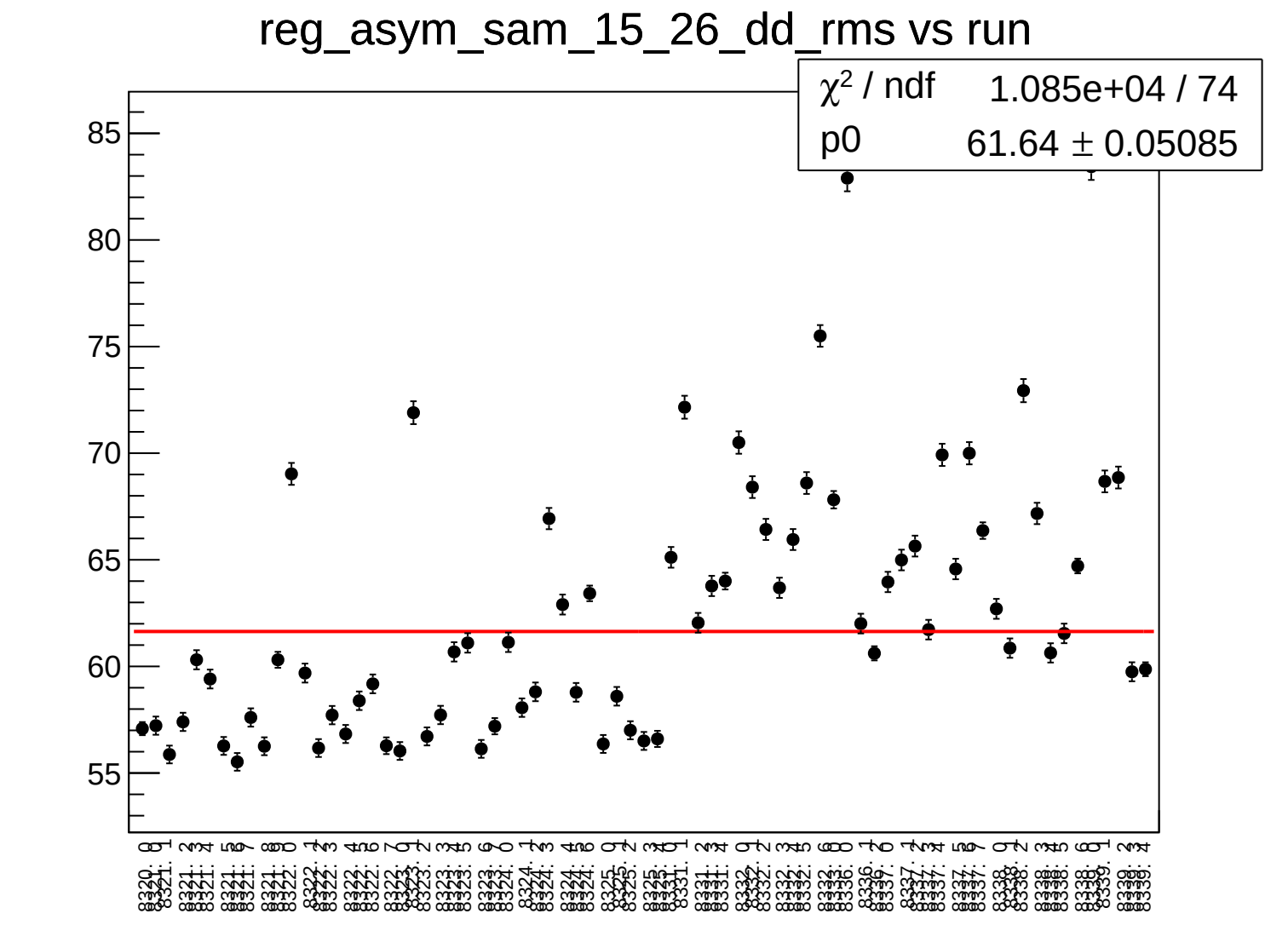

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9033 / 74
p0 39.68 ± 0.03271
50
45
40
35
30

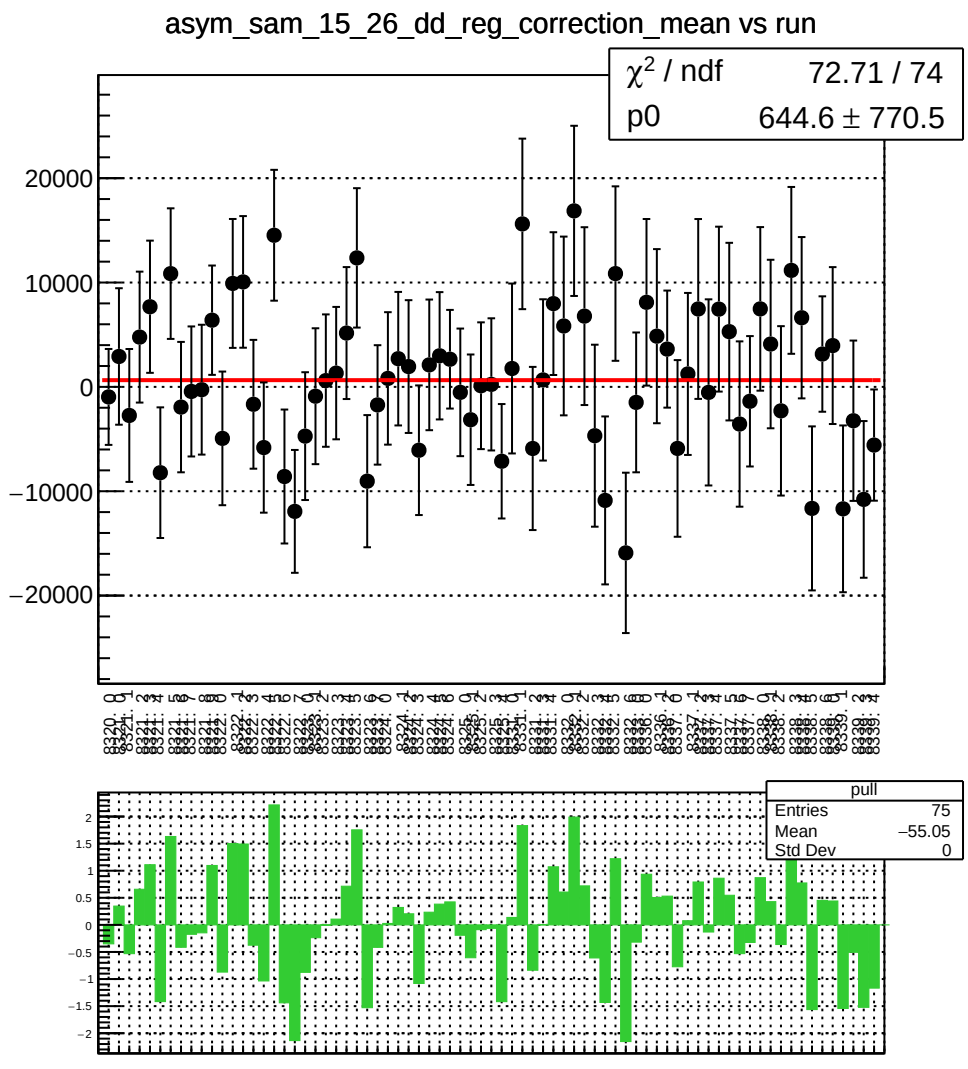

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 88.33 / 74
p0 −2.131e−14 ± 2.767e−14
pull
Entries 75
Mean 108.5
Std Dev 0
pull1D
Entries 75
Mean −0.05921
Std Dev 1.084

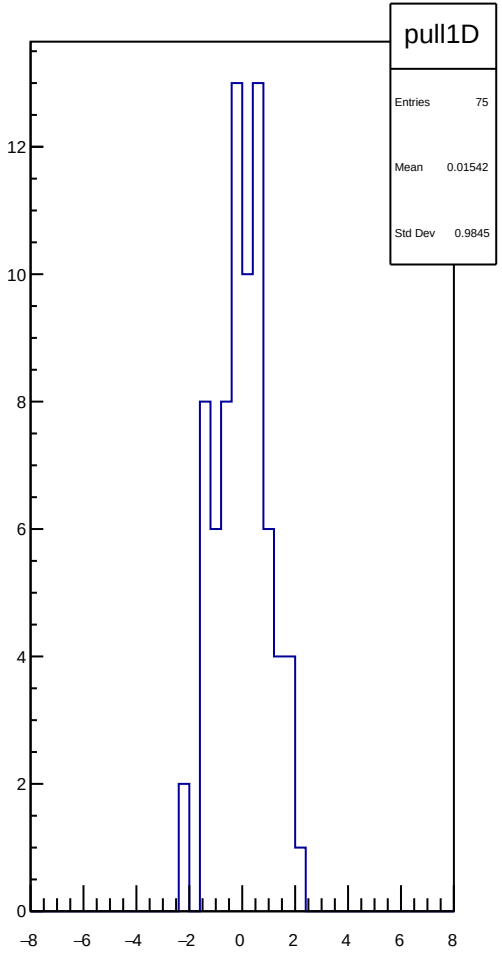

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.732e+05 / 74
p0 2.15e−11 ± 1.957e−14
70
60
50
40
30
20
10

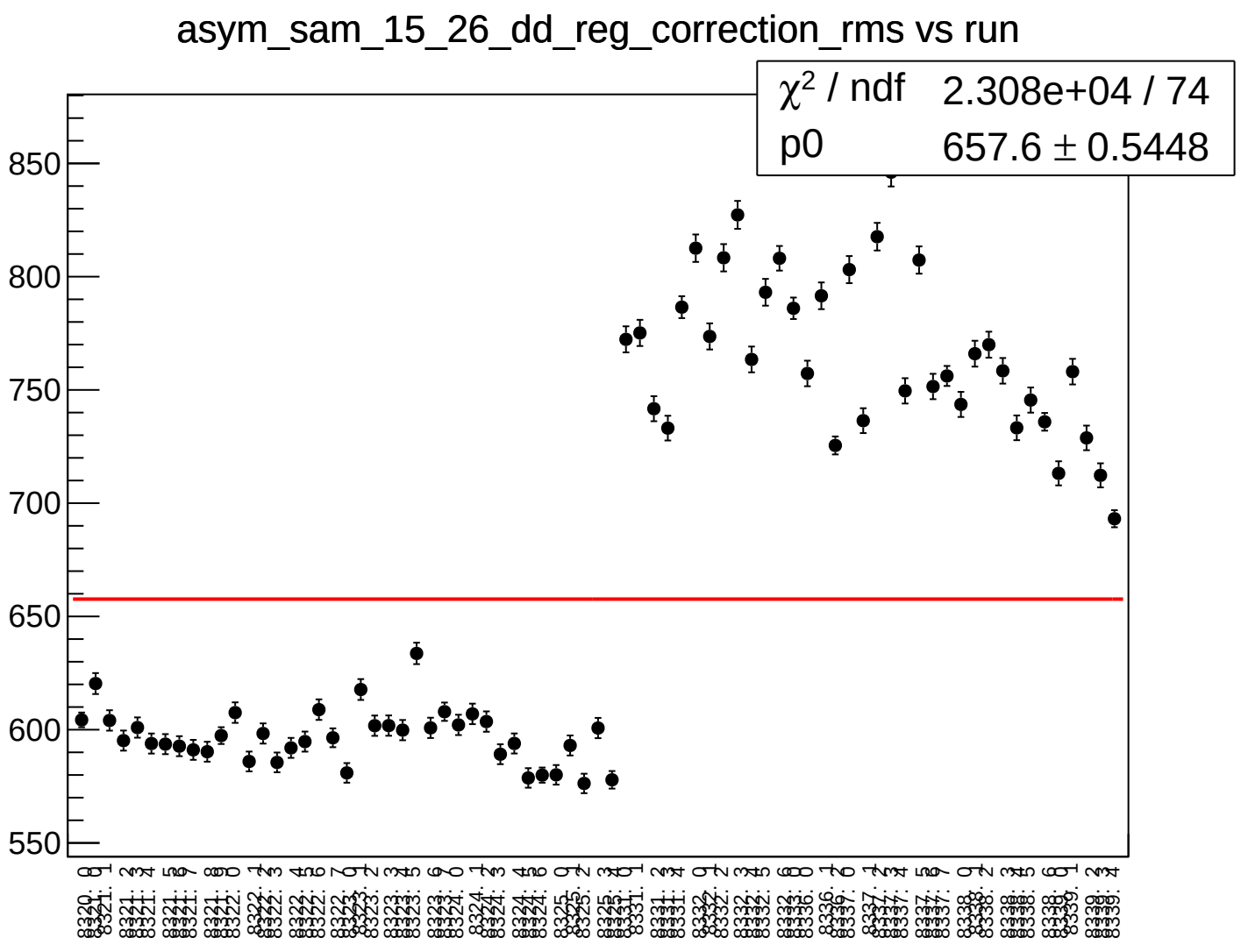

reg_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 62.92 / 74
p0 44.93 ± 71.91
pull
Entries 75
Mean 491.9
Std Dev 0

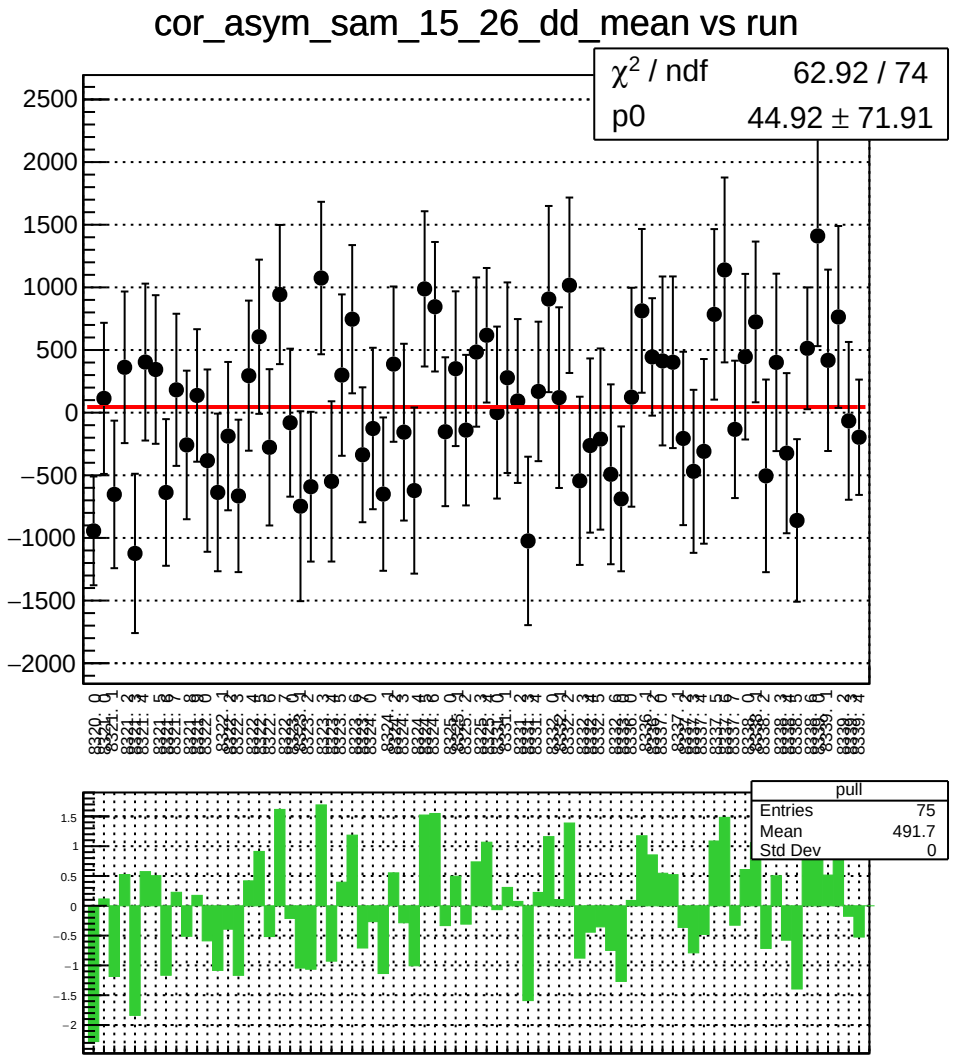

pull1D
Entries 75
Mean 0.01018
Std Dev 0.9159

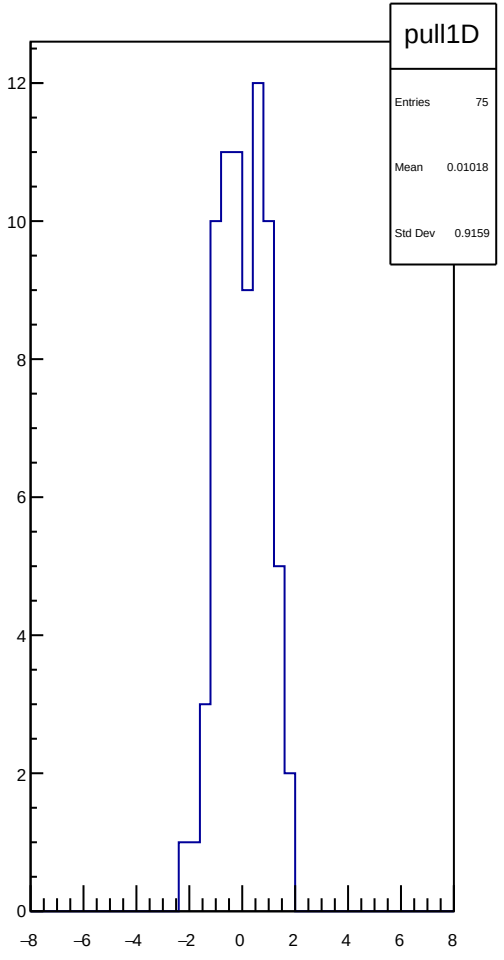

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.085e+04 / 74
p0 61.64 ± 0.05085
85
80
75
70
65
60
55

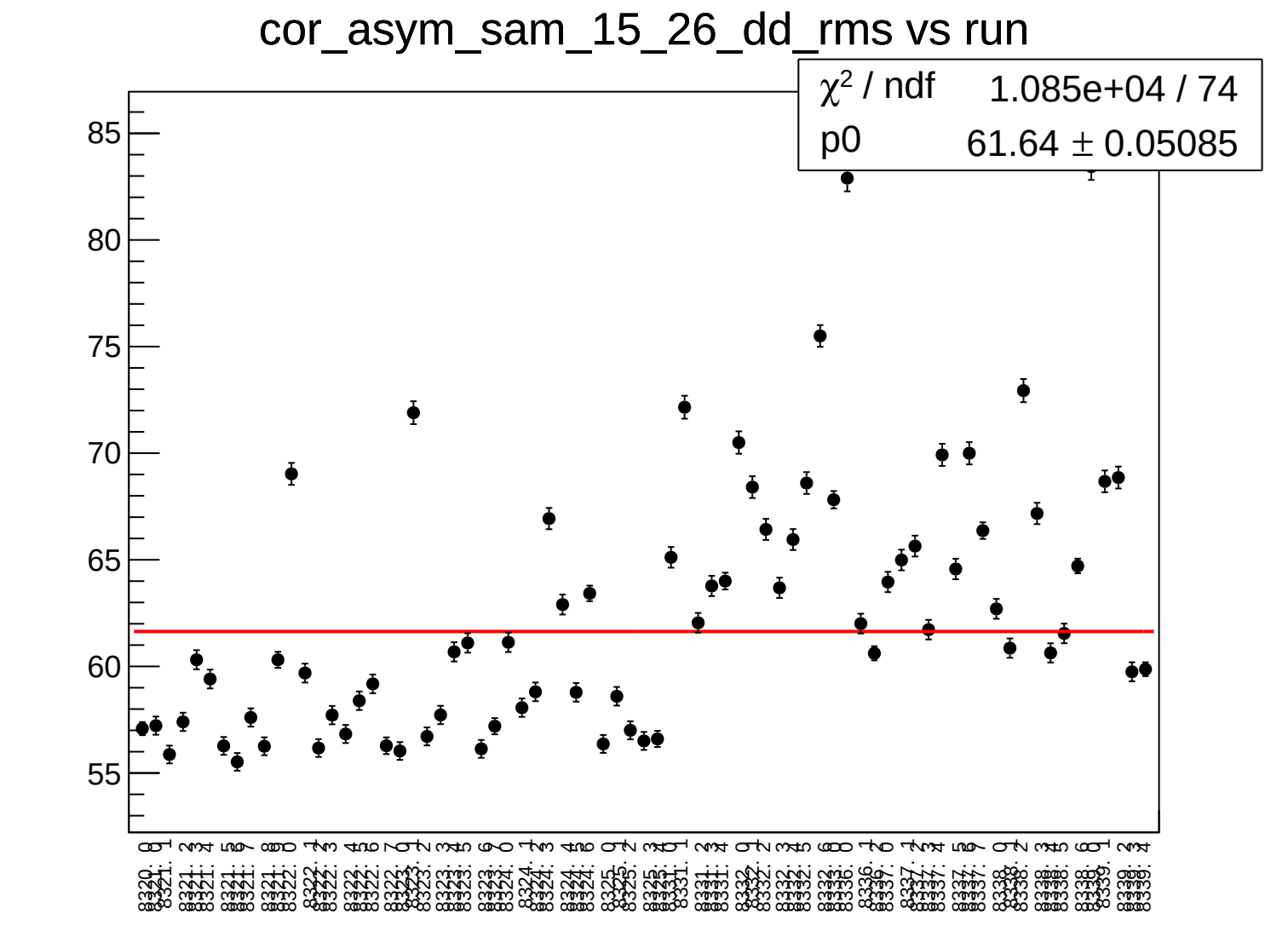

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 72.71 / 74
p0 644.6 ± 770.5
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −55.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

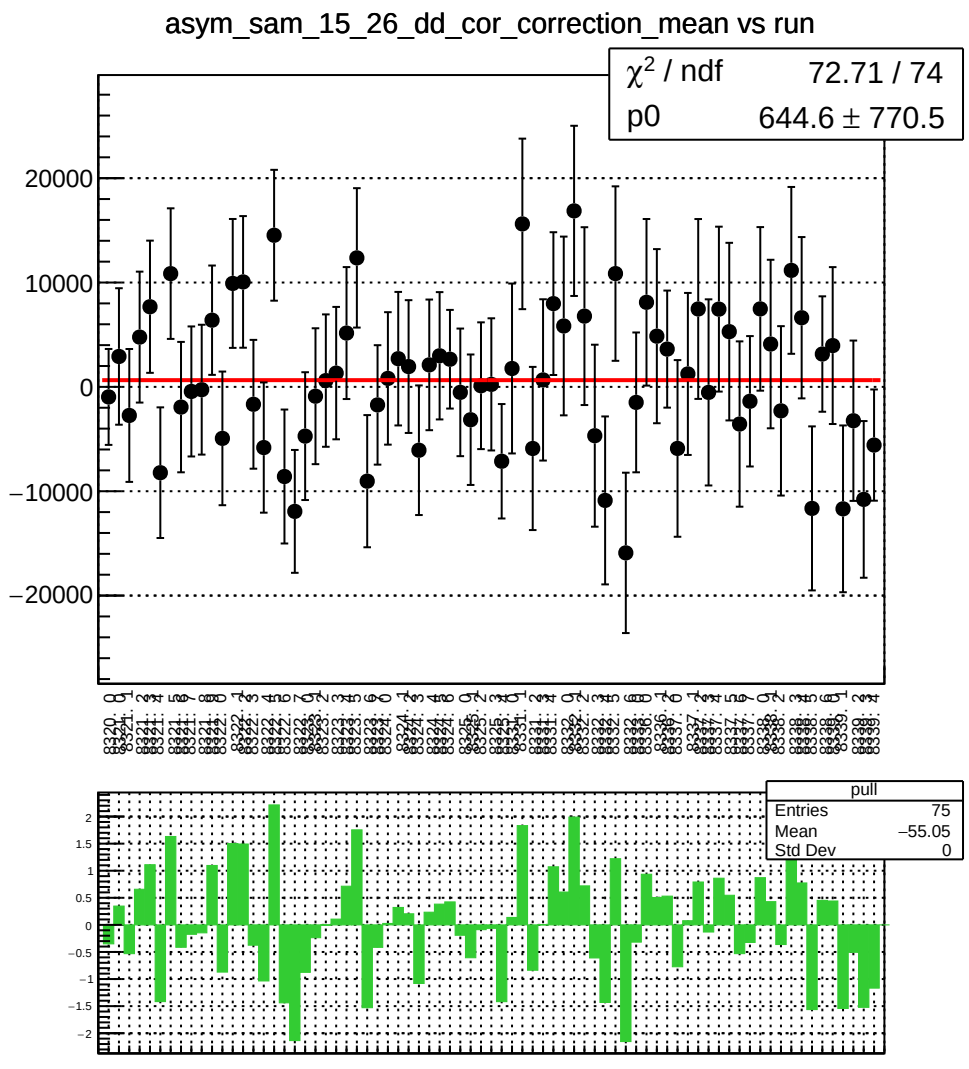

pull1D
Entries 75
Mean 0.01542
Std Dev 0.9845
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

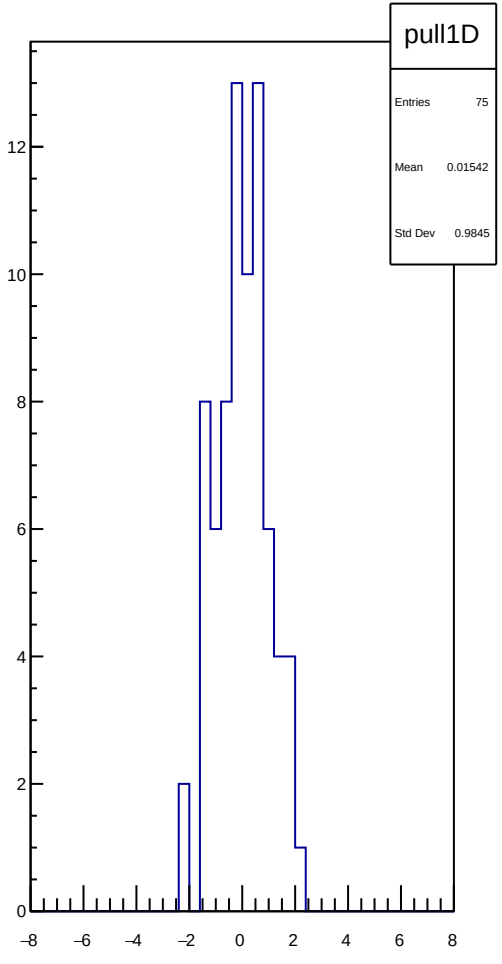

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 2.308e+04 / 74
p0 657.6 ± 0.5448
850
800
750
700
650
600
550

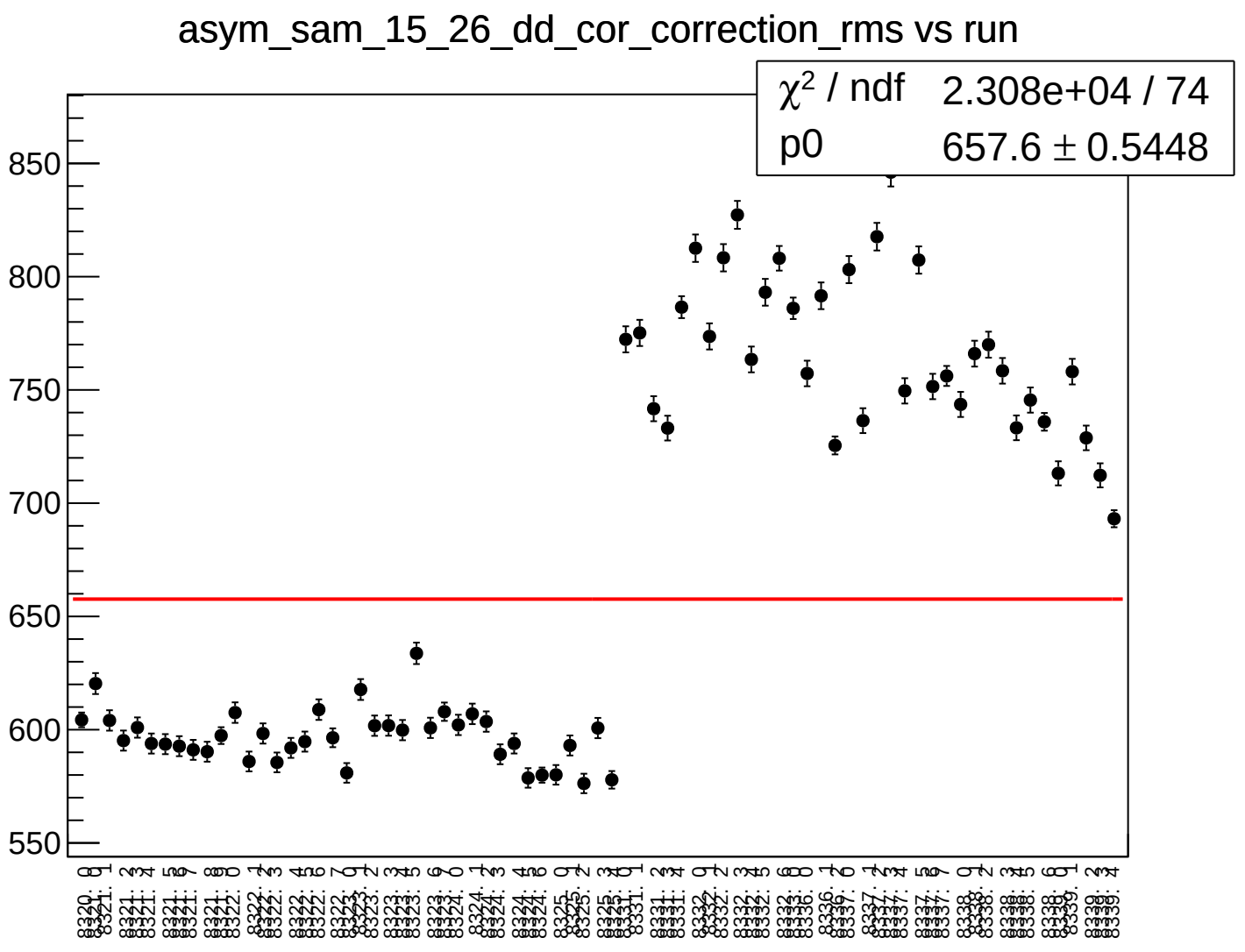

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 62.92 / 74
p0 44.92 ± 71.91
pull
Entries 75
Mean 491.7
Std Dev 0

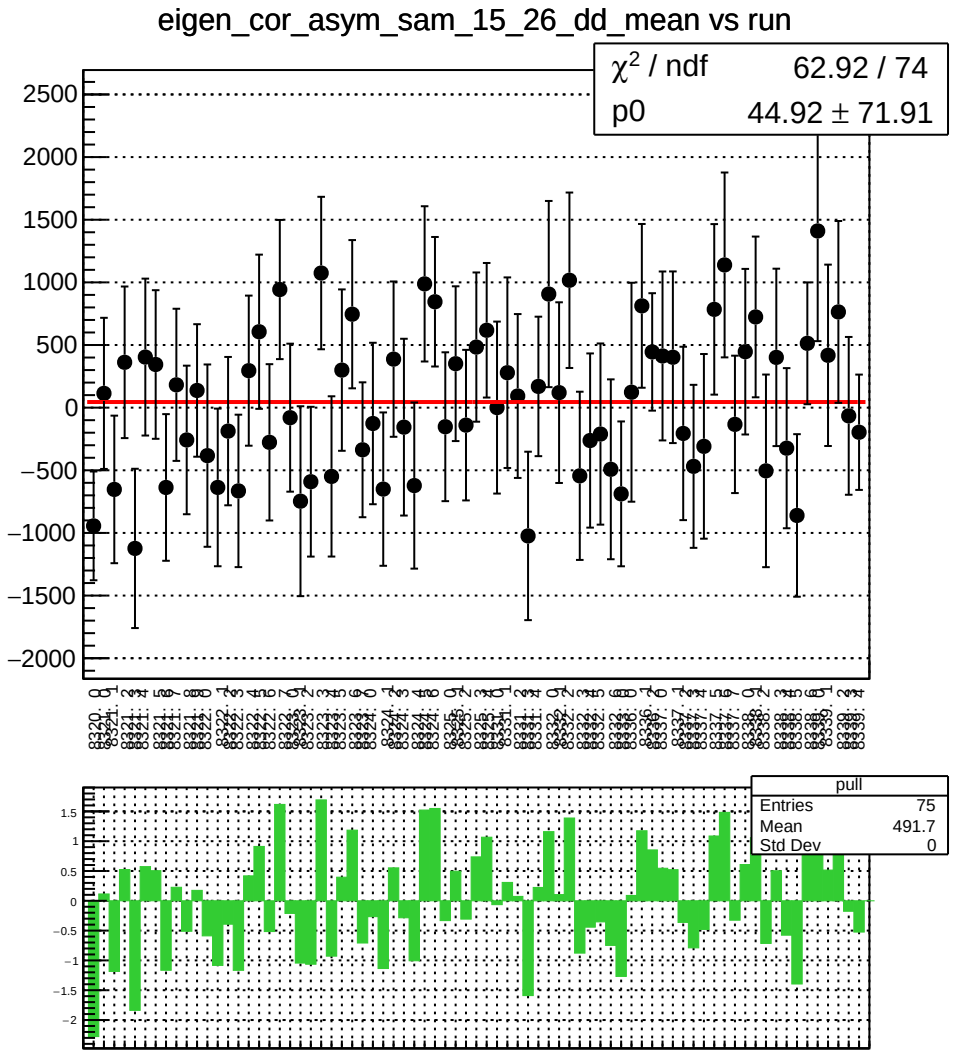

pull1D
Entries 75
Mean 0.01018
Std Dev 0.9159

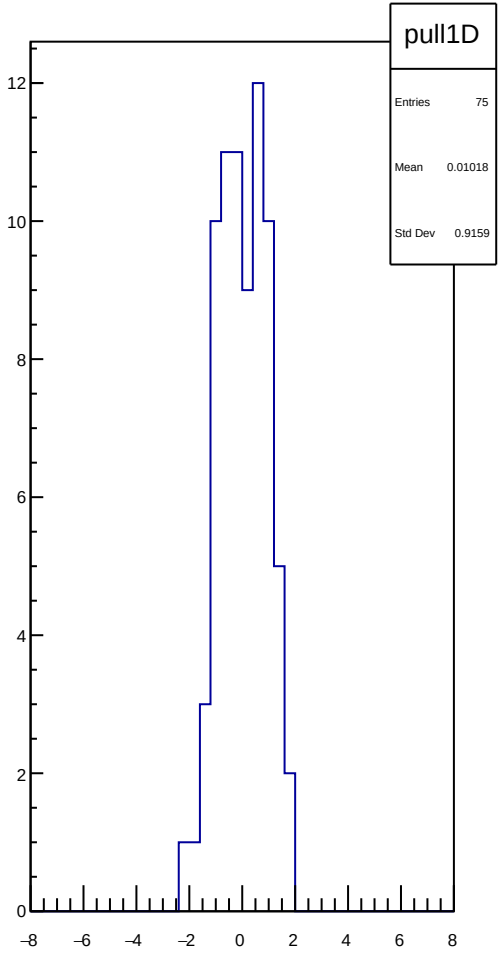

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.085e+04 / 74
p0 61.64 ± 0.05085
85
80
75
70
65
60
55

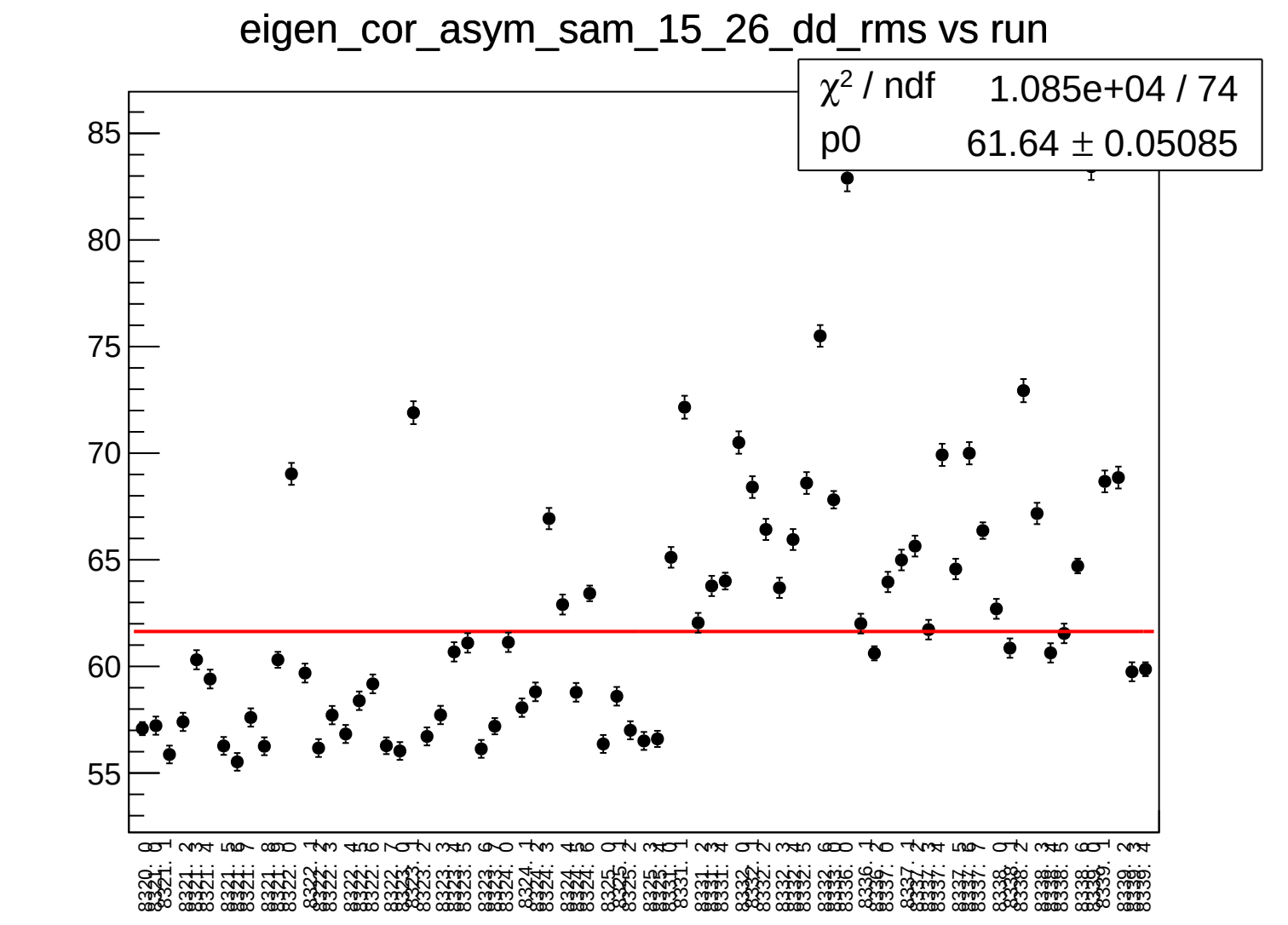

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 72.71 / 74
p0 644.6 ± 770.5
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −55.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

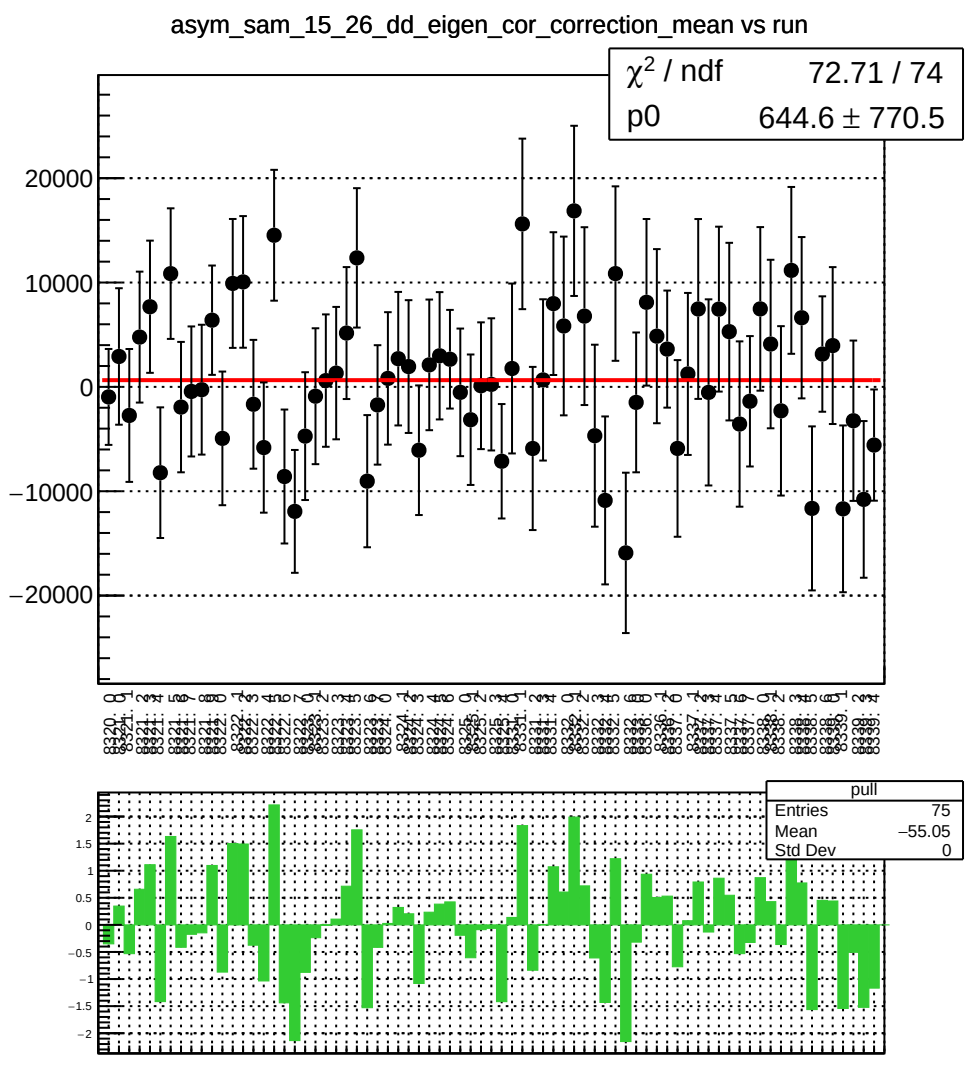

pull1D
Entries 75
Mean 0.01542
Std Dev 0.9845
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

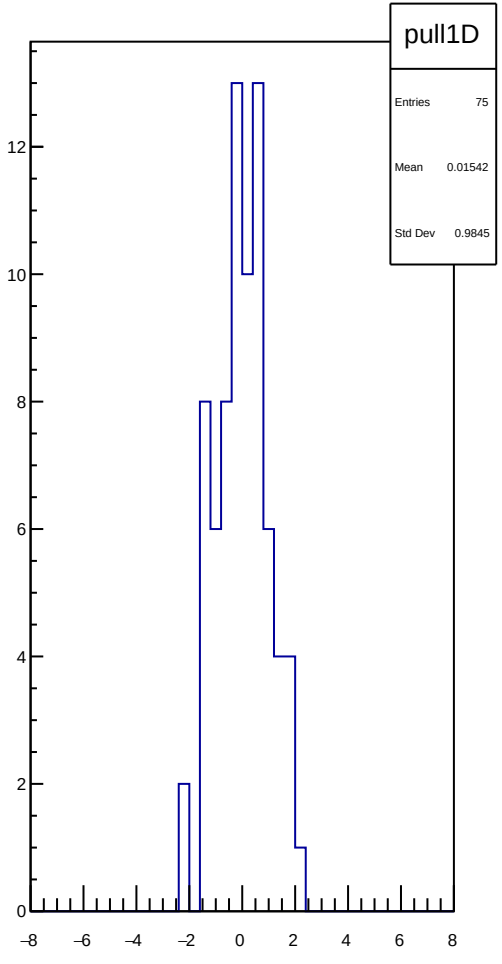

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 2.308e+04 / 74
p0 657.6 ± 0.5448
850
800
750
700
650
600
550

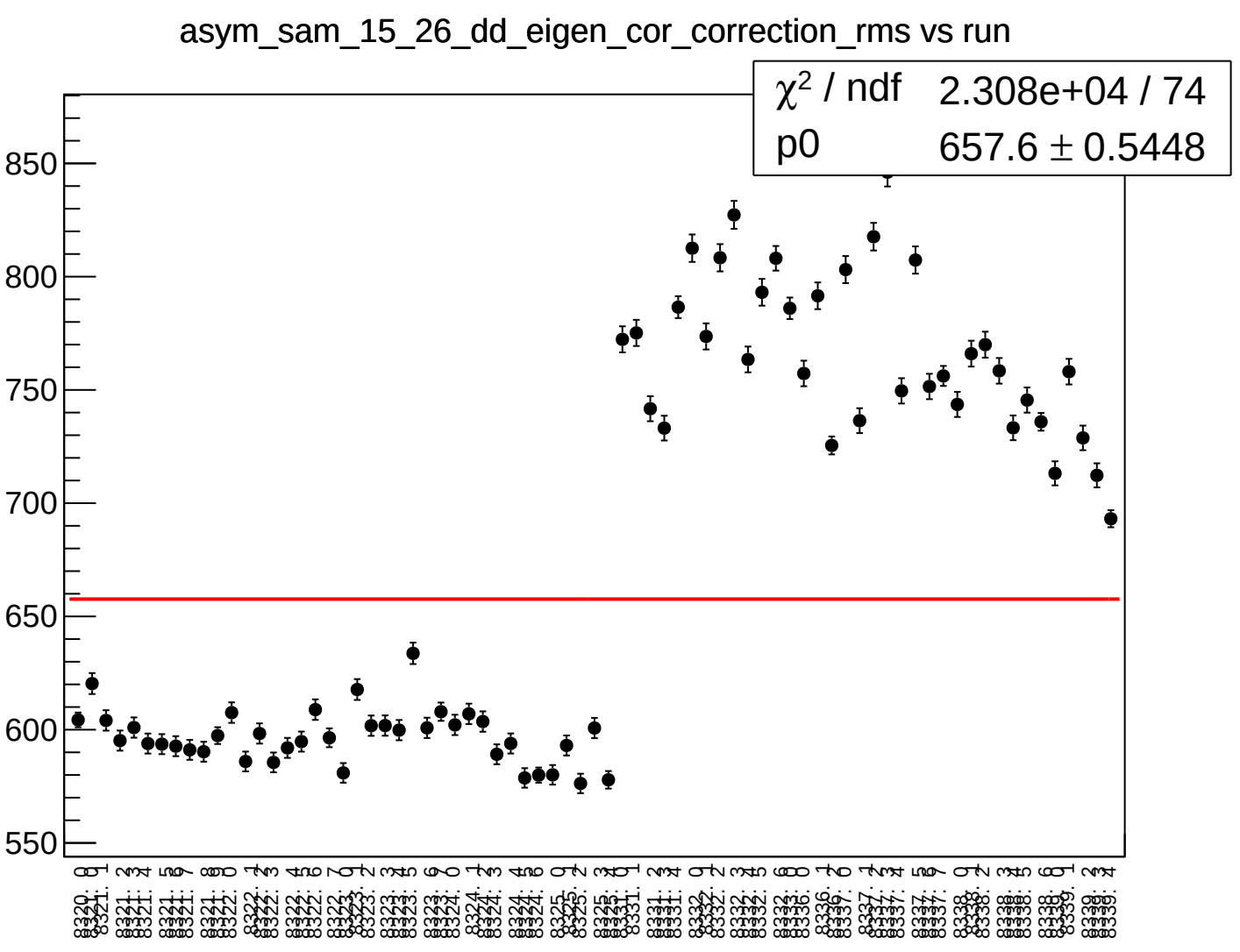

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 62.92 / 74
p0 44.92 ± 71.91
pull
Entries 75
Mean 491.7
Std Dev 0

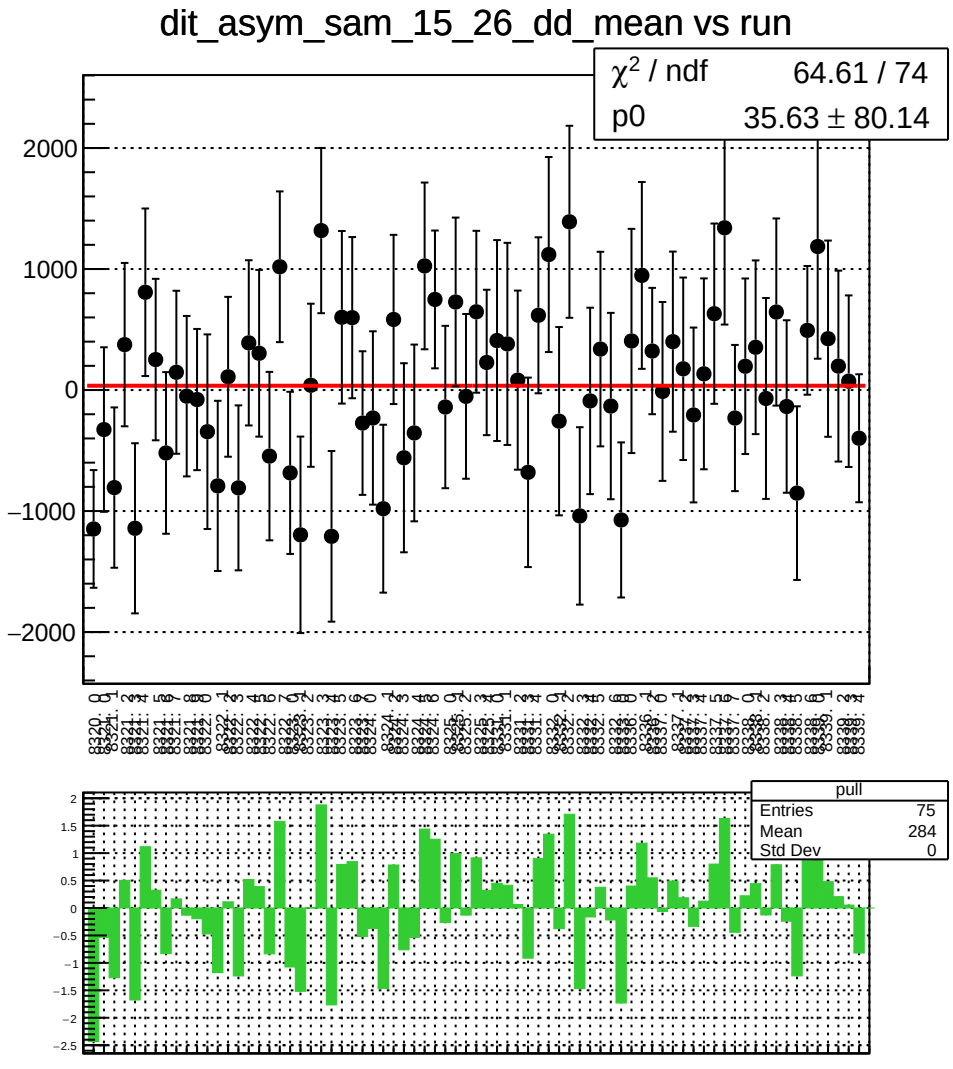

pull1D
Entries 75
Mean 0.01018
Std Dev 0.9159

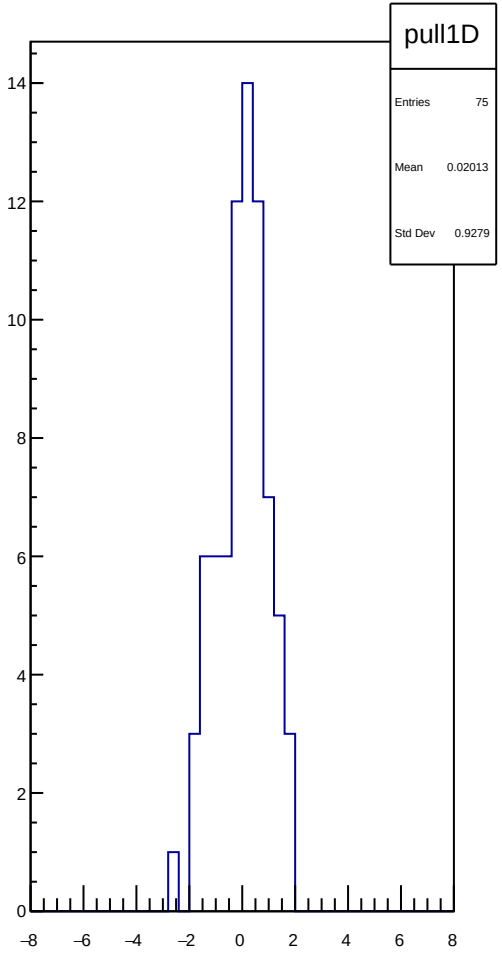

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.085e+04 / 74
p0 61.64 ± 0.05085
85
80
75
70
65
60
55

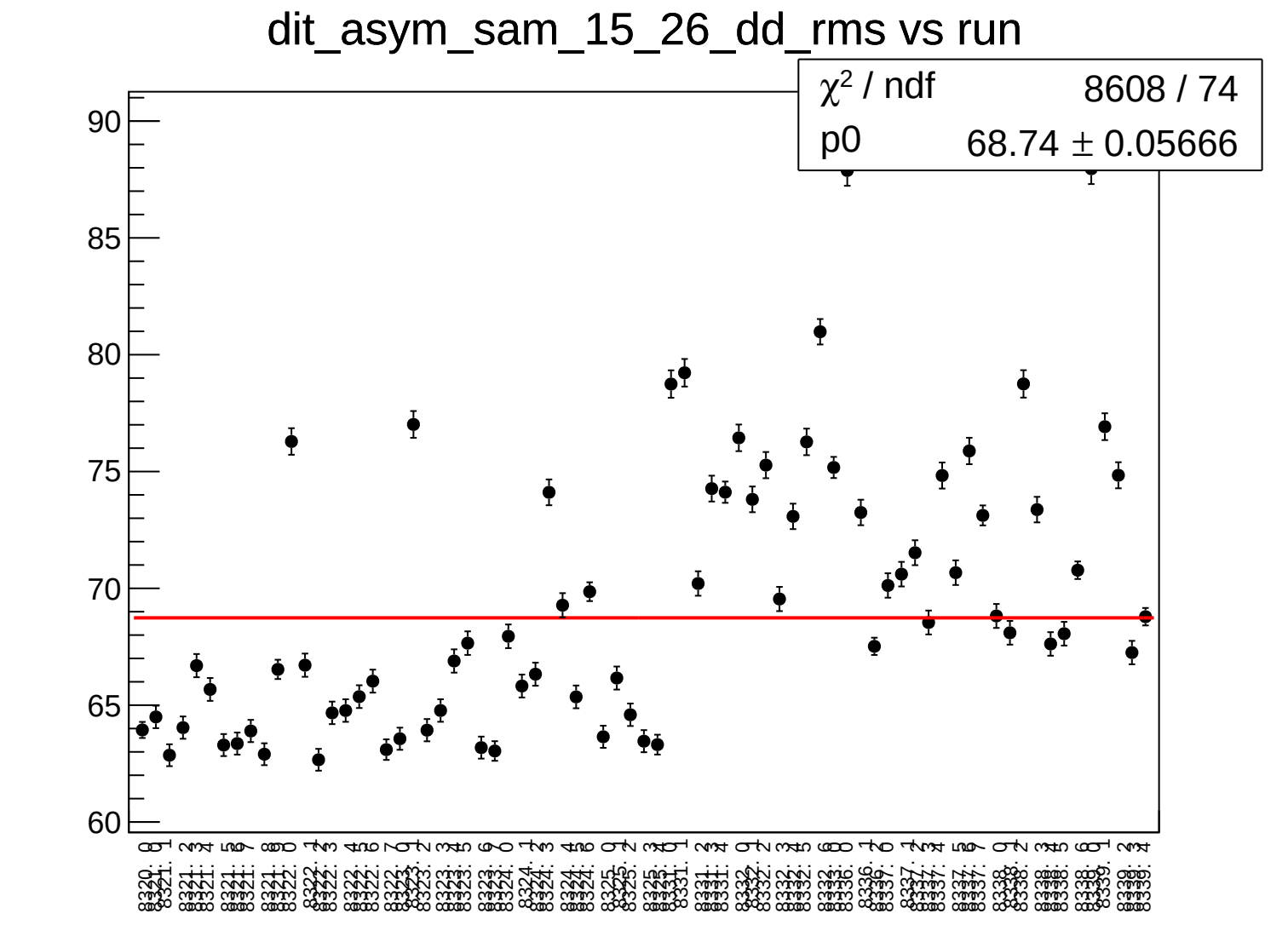

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 72.71 / 74
p0 644.6 ± 770.5
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −55.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

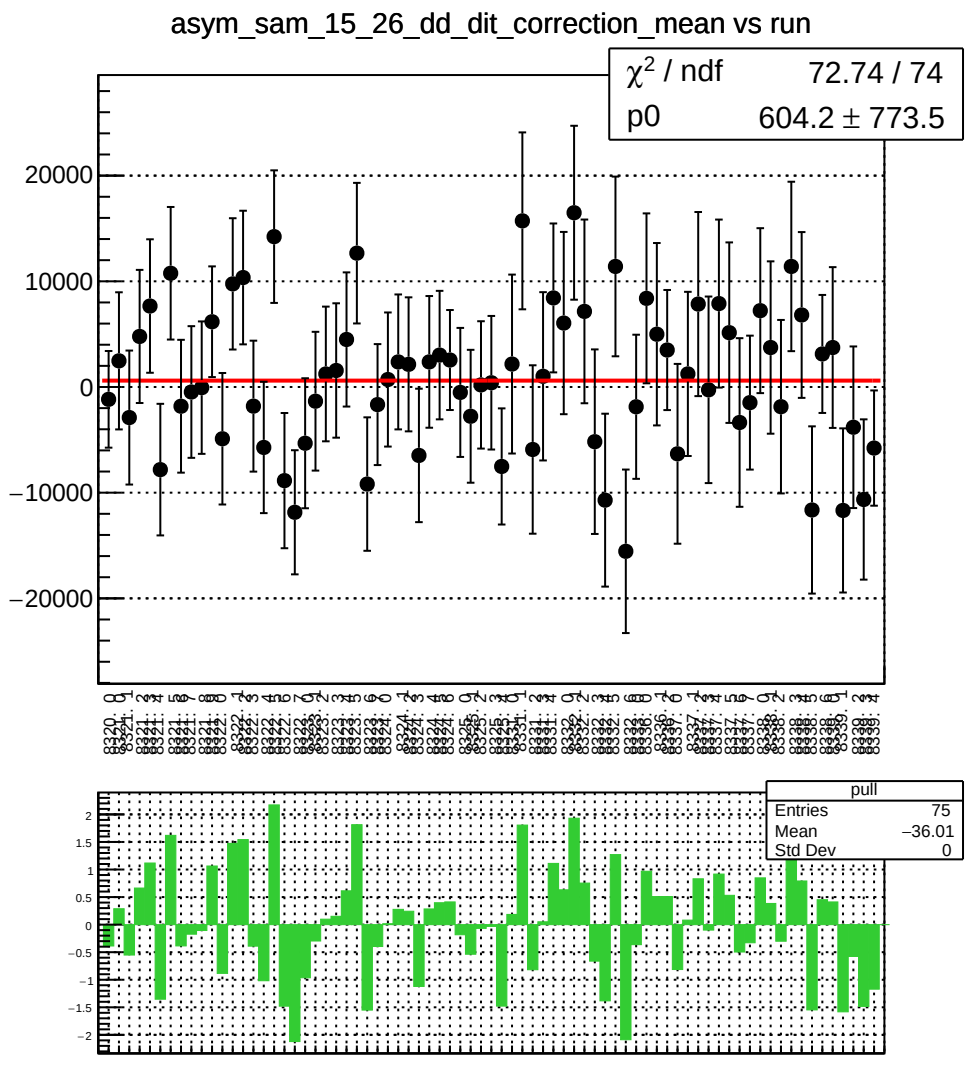

pull1D
Entries 75
Mean 0.01542
Std Dev 0.9845
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

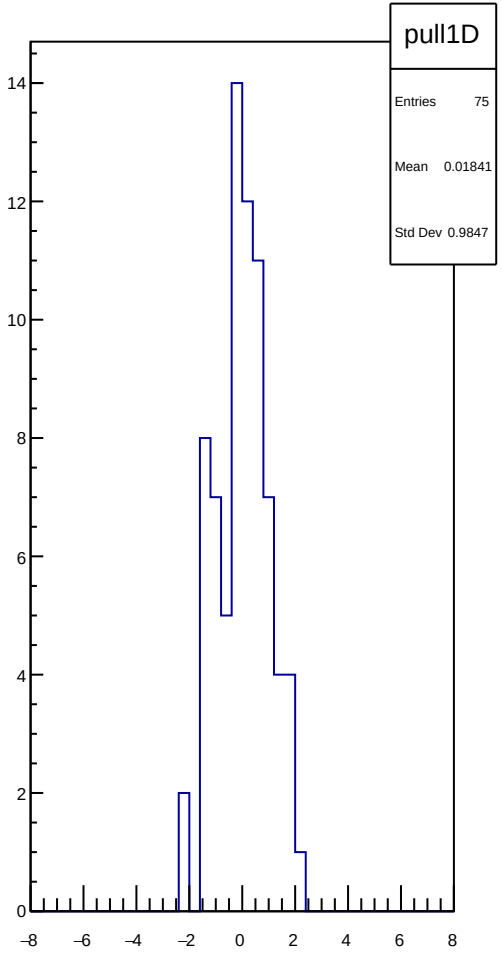

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 2.308e+04 / 74
p0 657.6 ± 0.5448
850
800
750
700
650
600
550

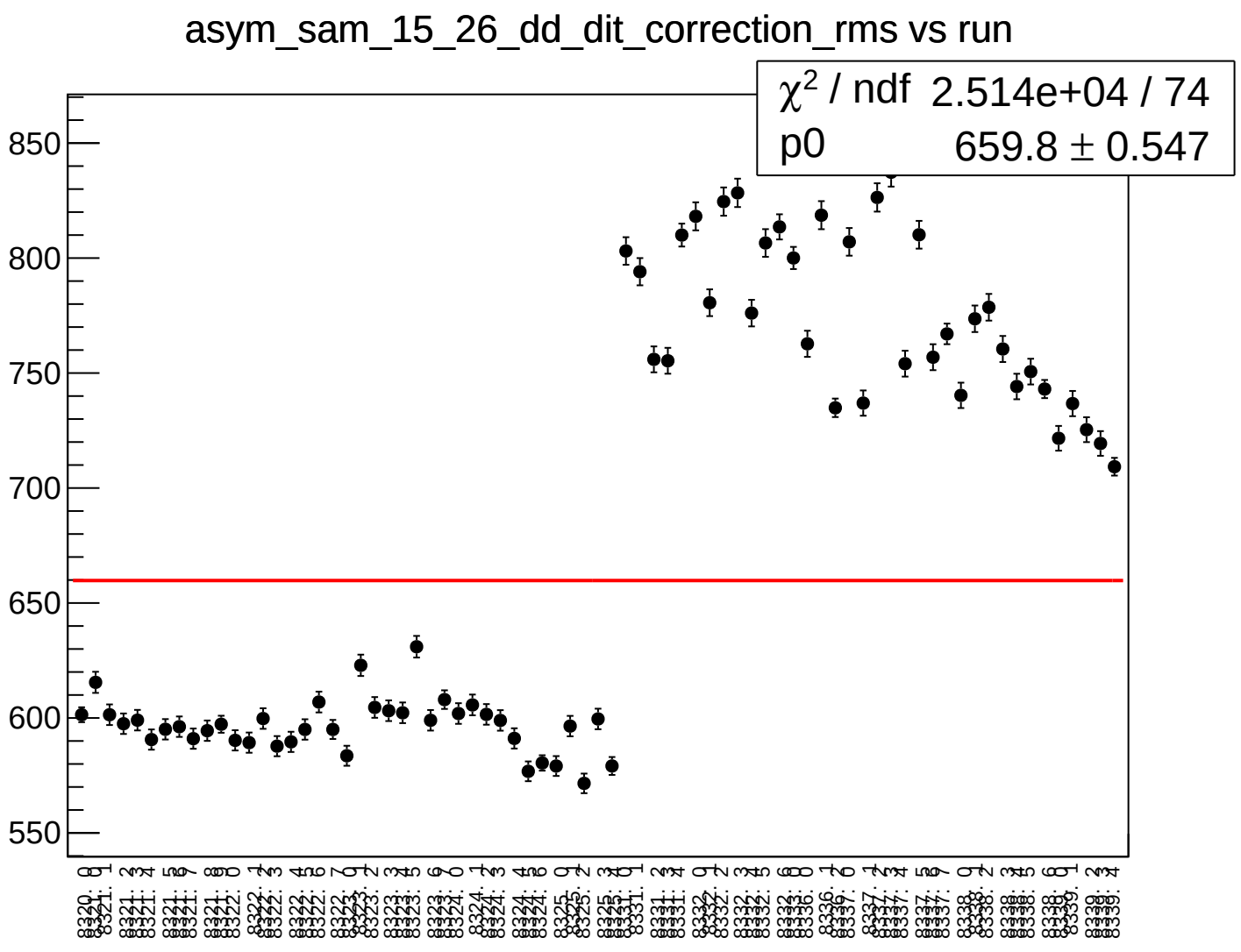

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 64.61 / 74
p0 35.63 ± 80.14
pull
Entries 75
Mean 284
Std Dev 0

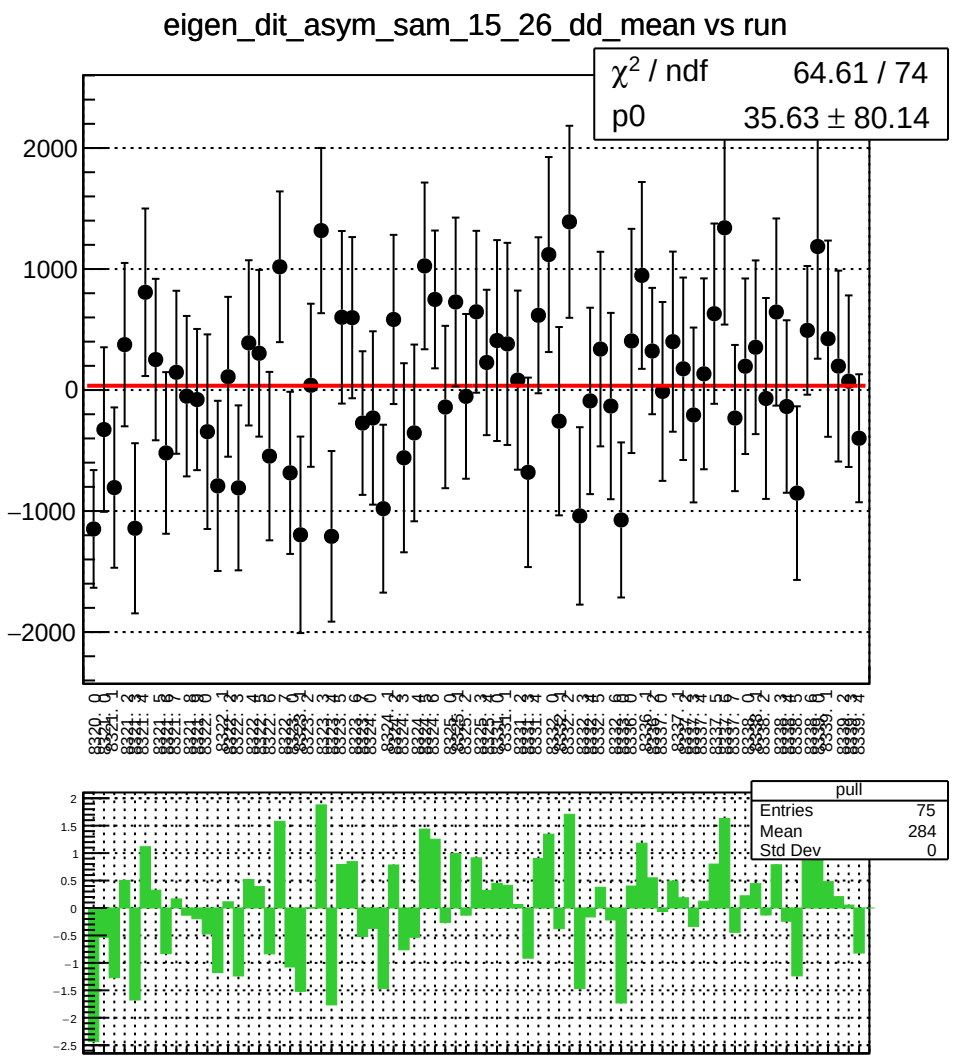

pull1D
Entries 75
Mean 0.02013
Std Dev 0.9279

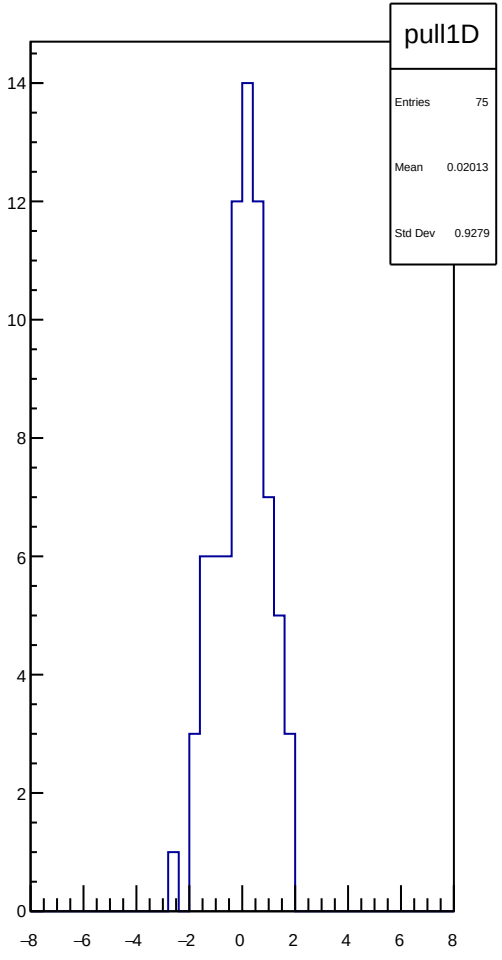

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 8608 / 74
p0 68.74 ± 0.05666
90
85
80
75
70
65
60

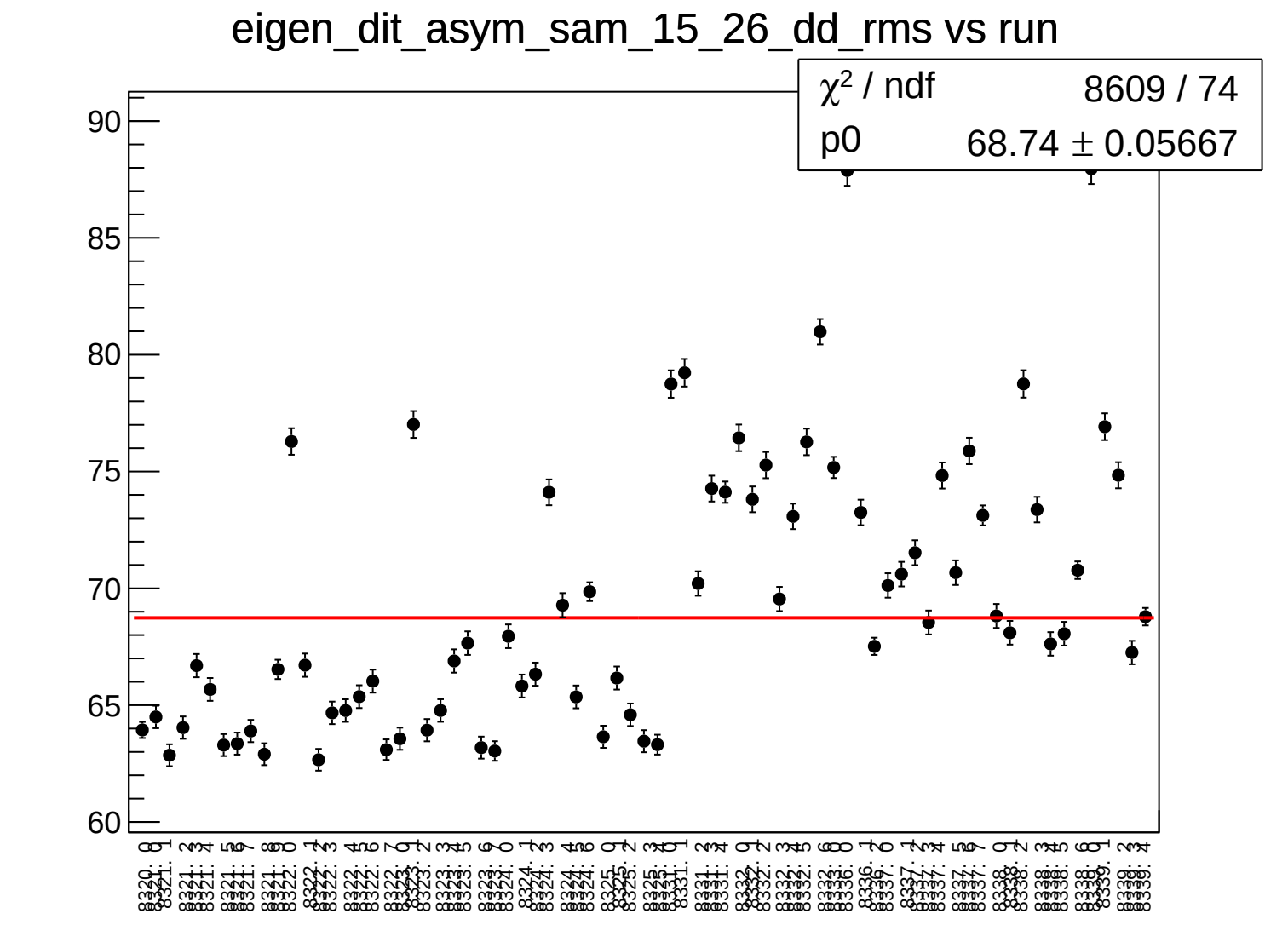

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 72.74 / 74
p0 604.2 ± 773.5
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −36.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

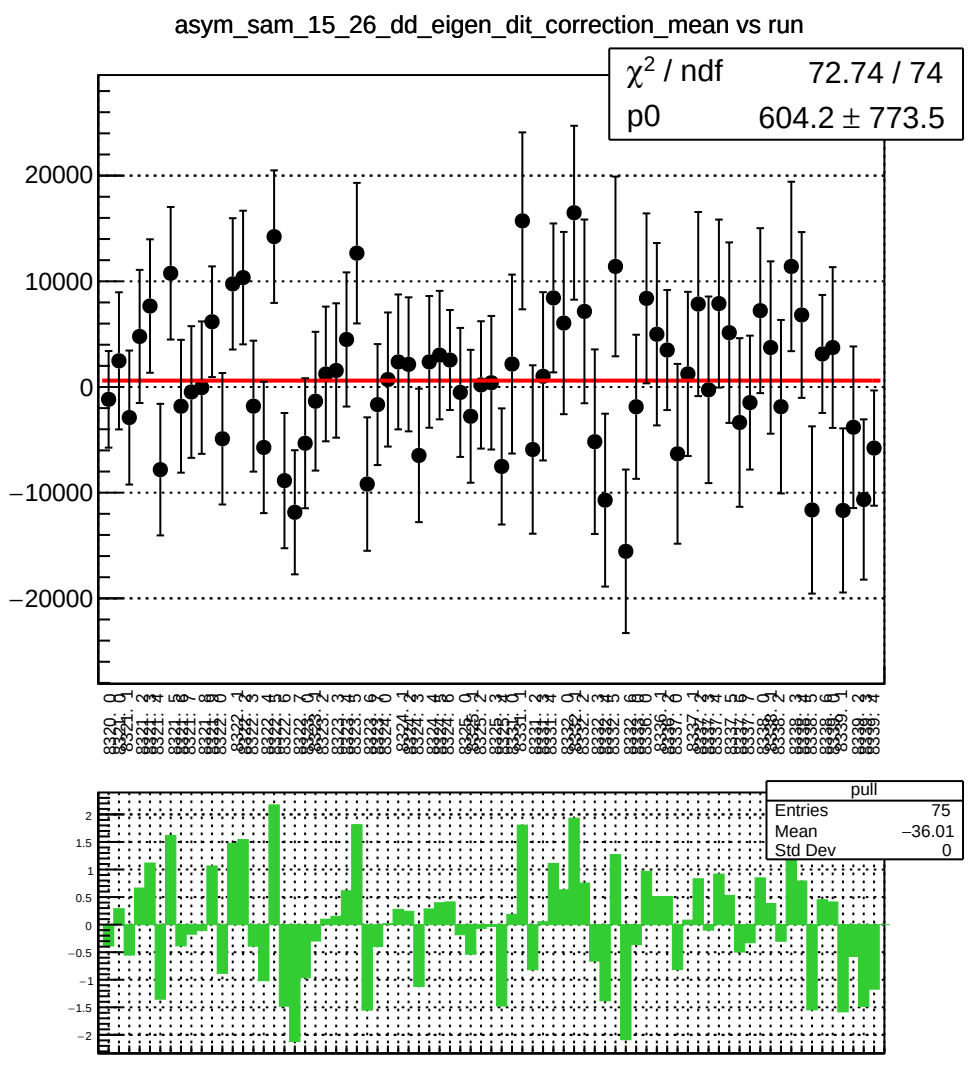

pull1D
Entries 75
Mean 0.01841
Std Dev 0.9847
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

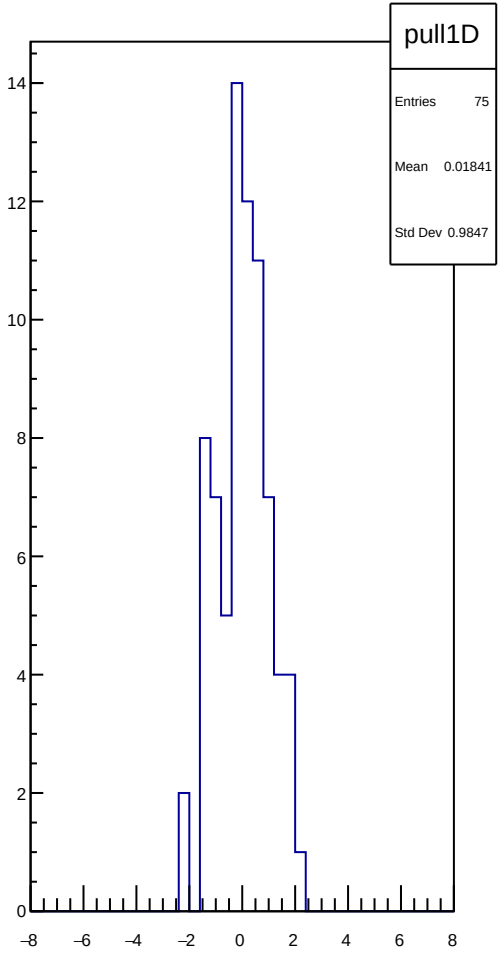

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 74
p0 659.8 ± 0.547
850
800
750
700
650
600
550

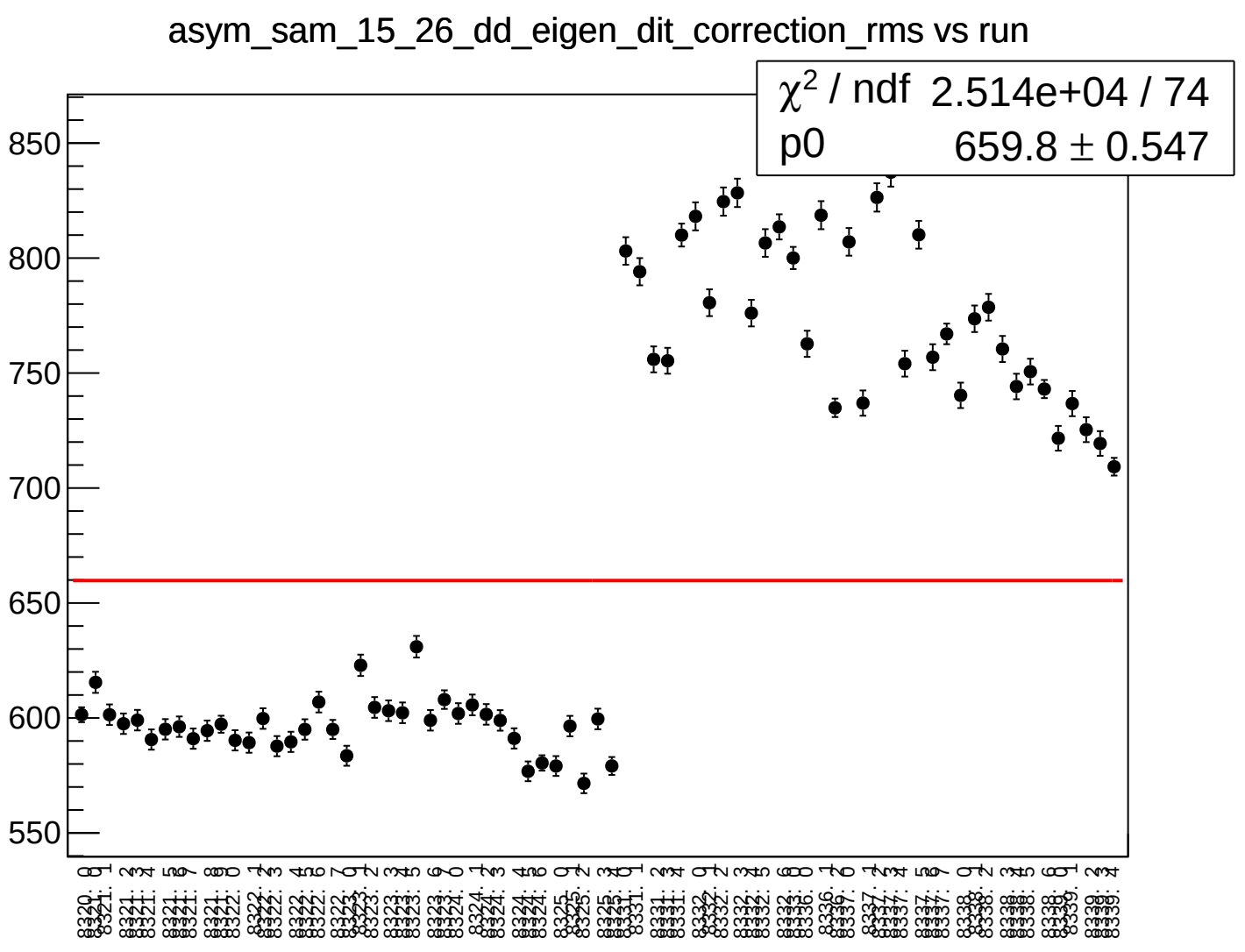

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 64.61 / 74
p0 35.63 ± 80.14
pull
Entries 75
Mean 284
Std Dev 0

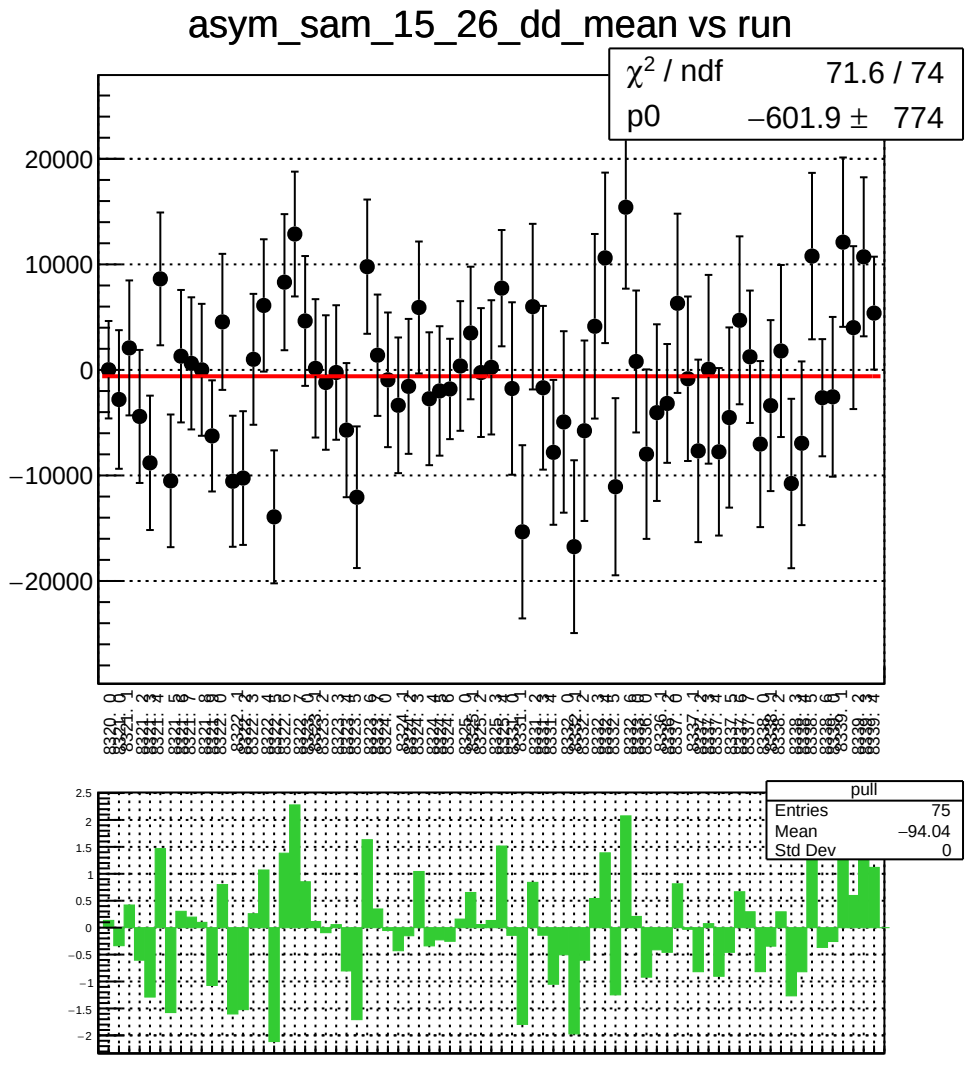

pull1D
Entries 75
Mean 0.02013
Std Dev 0.9279

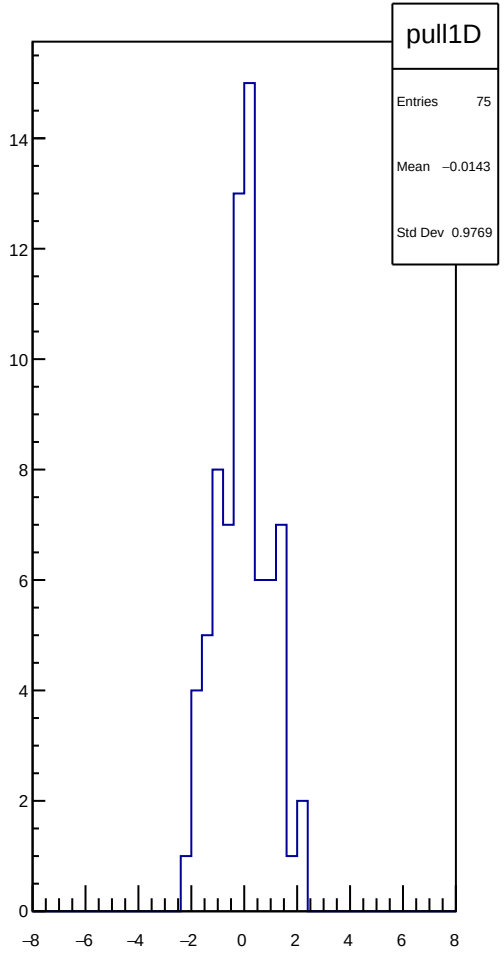

eigen_dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 8609 / 74
p0 68.74 ± 0.05667
90
85
80
75
70
65
60

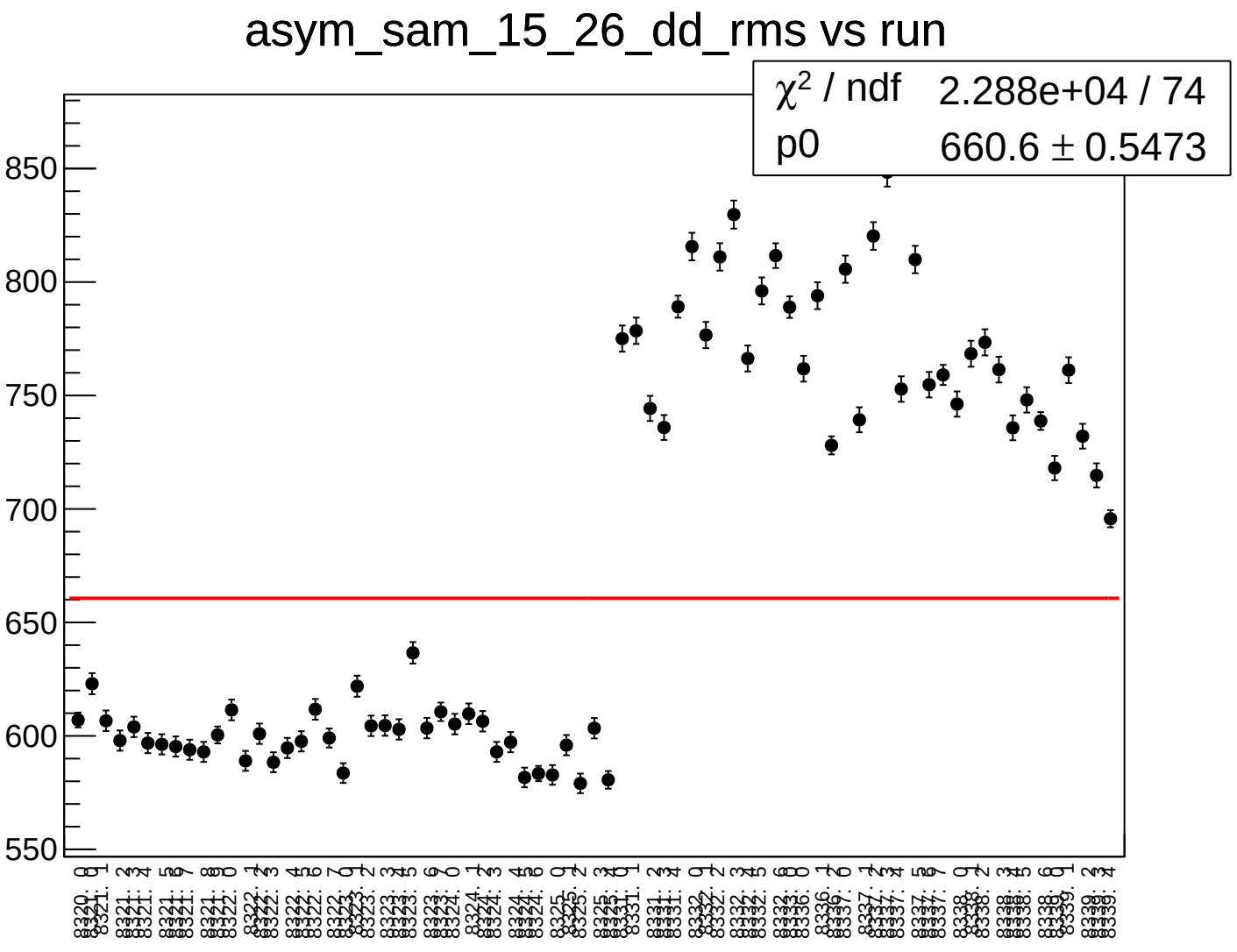

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 72.74 / 74
p0 604.2 ± 773.5
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −36.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

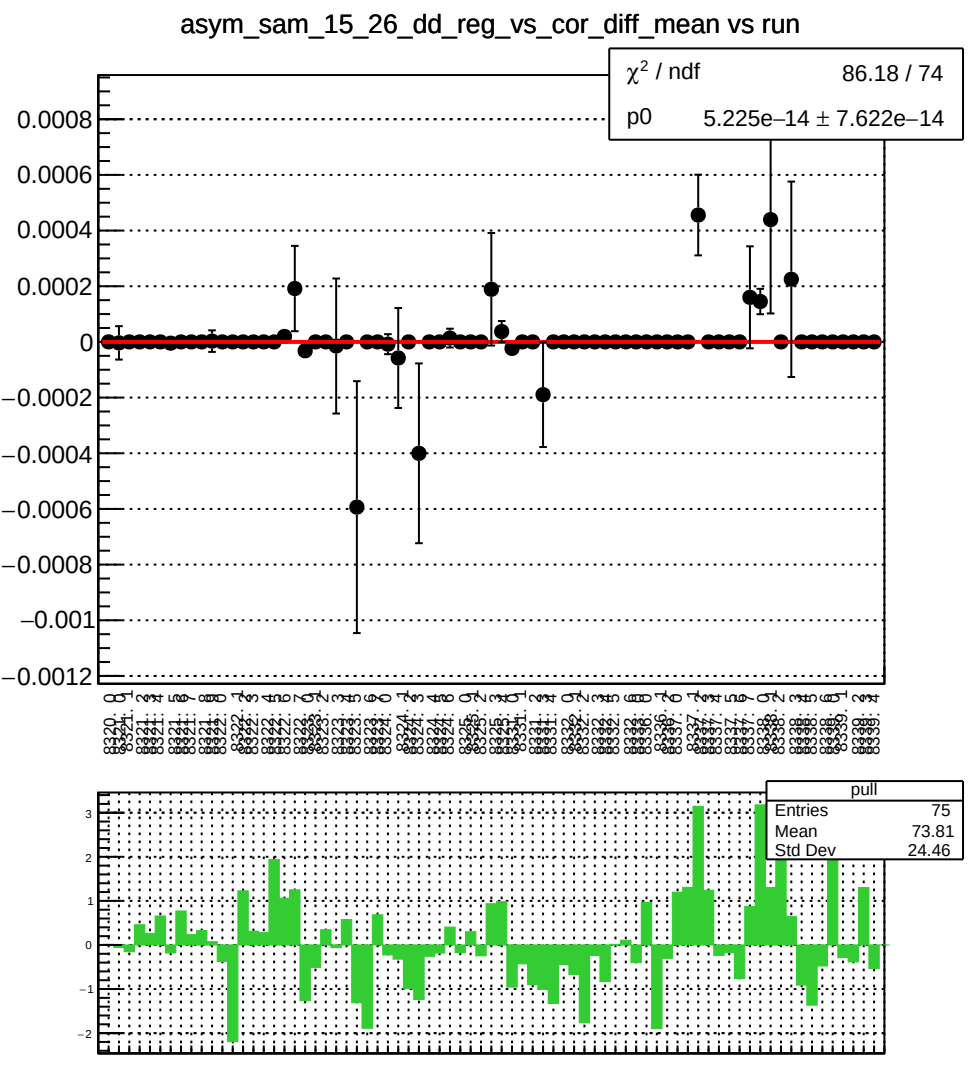

pull1D
Entries 75
Mean 0.01841
Std Dev 0.9847
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

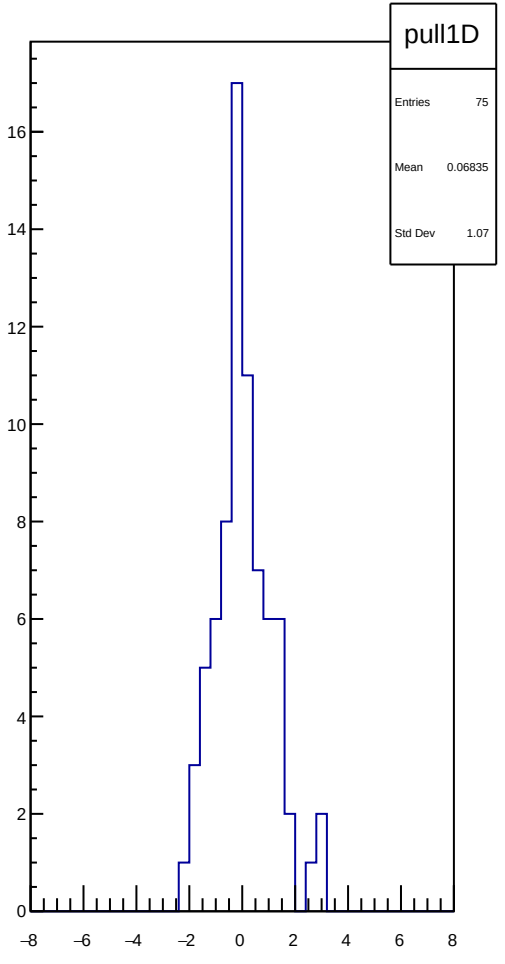

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2.514e+04 / 74
p0 659.8 ± 0.547
850
800
750
700
650
600
550

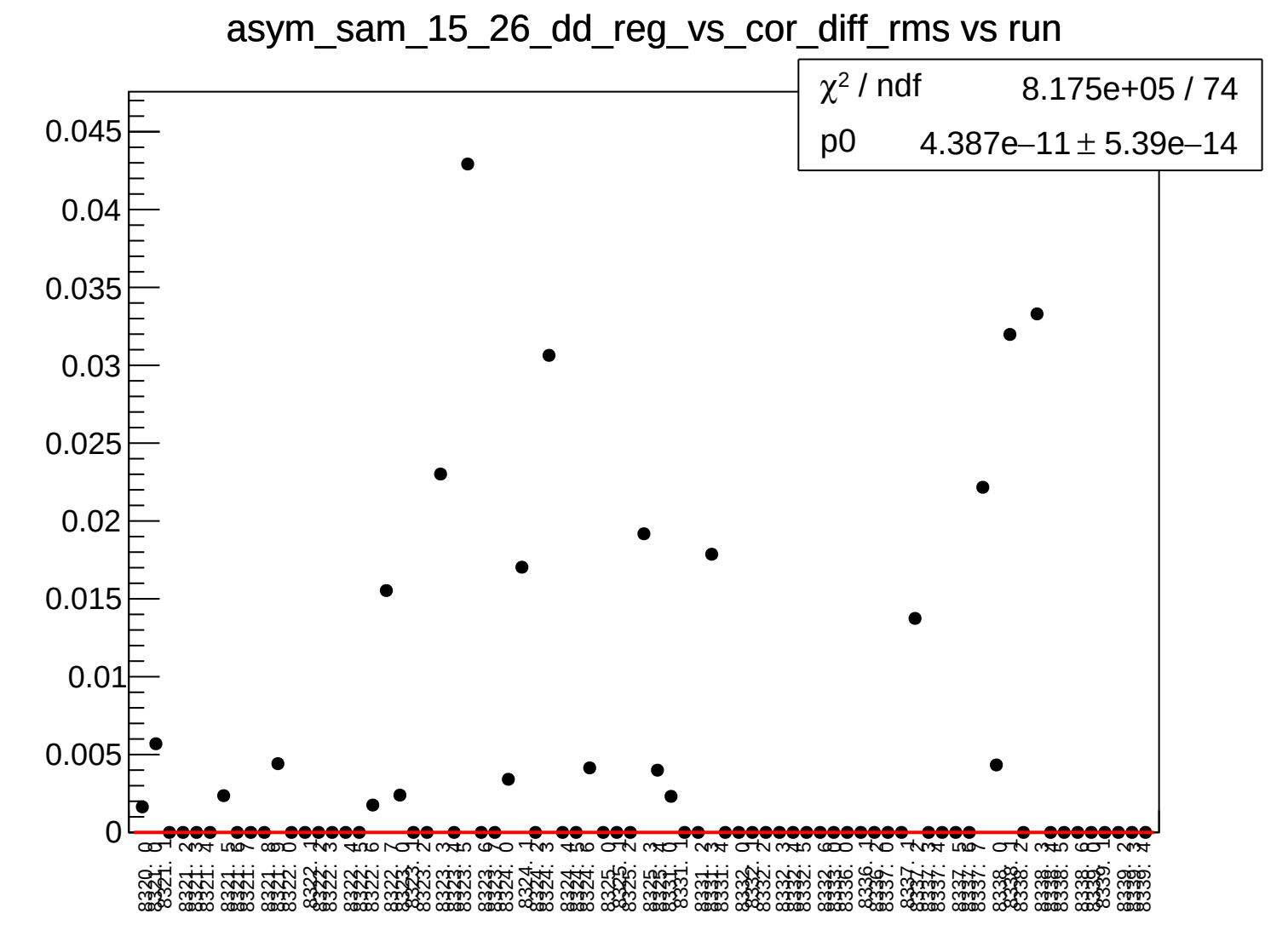

asym_sam_15_26_dd_mean vs run
χ² / ndf 71.6 / 74
p0 −601.9 ± 774
20000
10000
0
−10000
−20000
pull
Entries 75
Mean −94.04
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

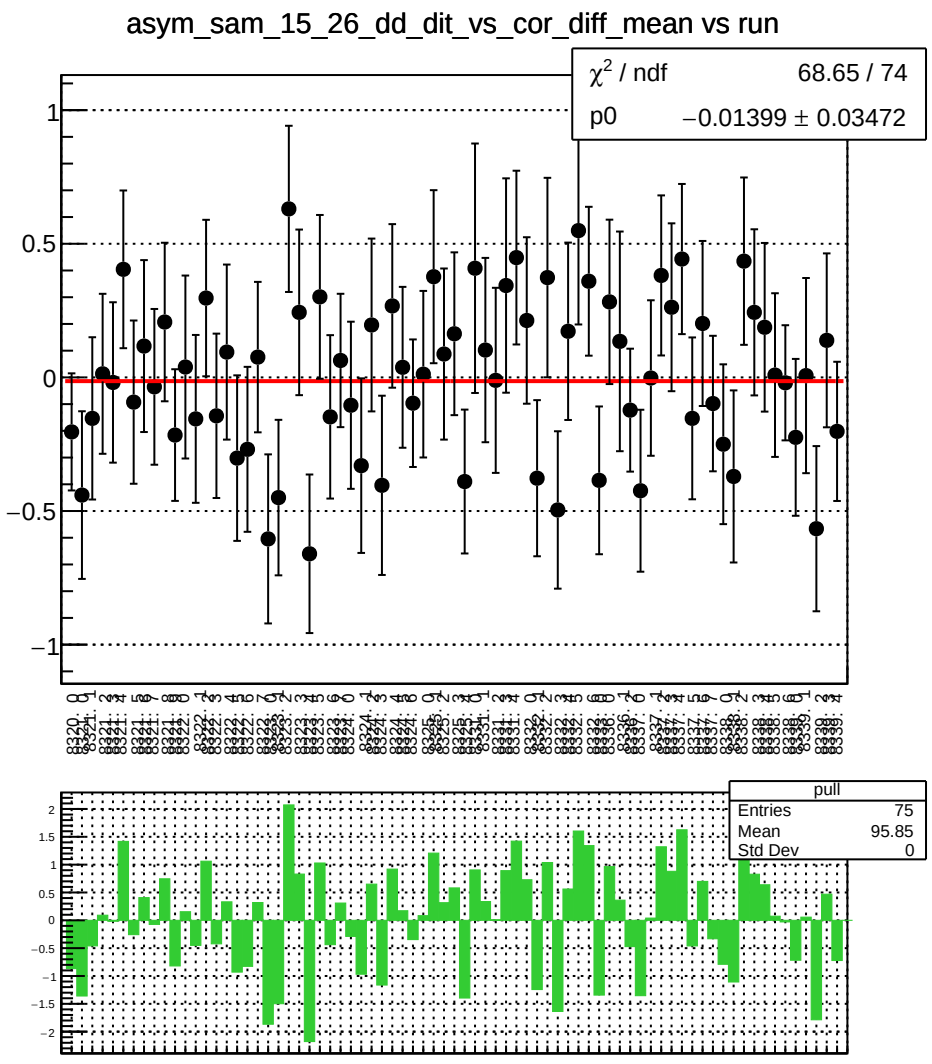

pull1D
Entries 75
Mean −0.0143
Std Dev 0.9769
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

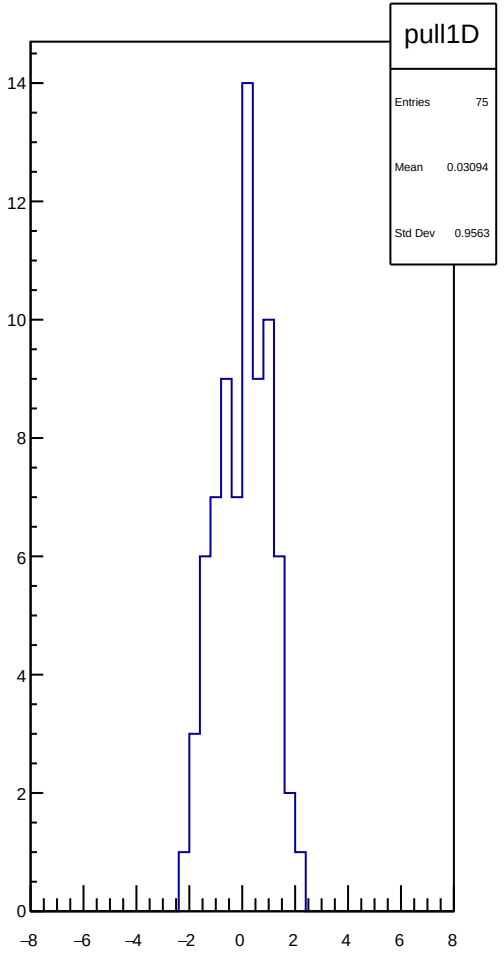

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 2.288e+04 / 74
p0 660.6 ± 0.5473
850
800
750
700
650
600
550

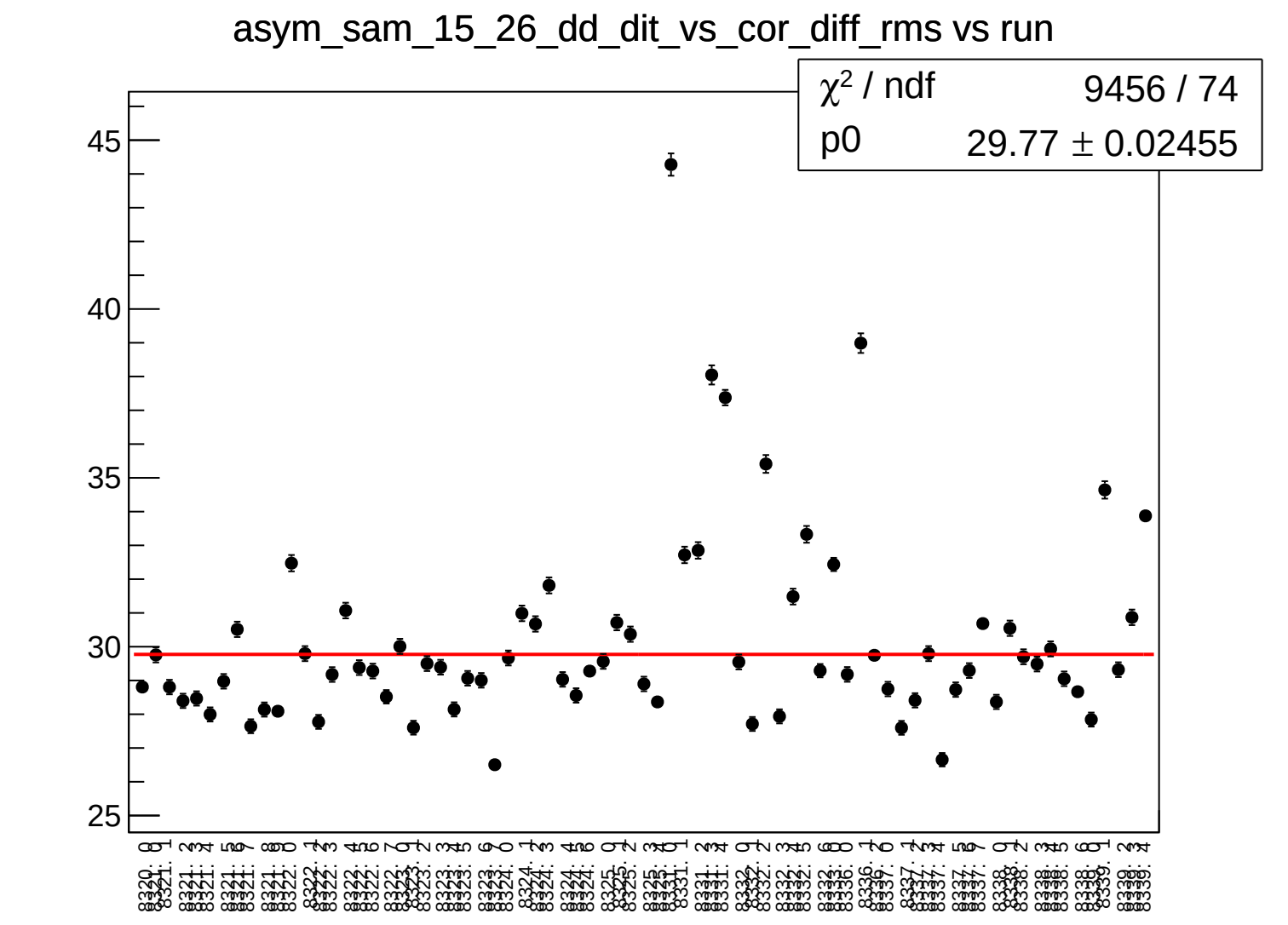

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 86.18 / 74
p0 5.225e−14 ± 7.622e−14
pull
Entries 75
Mean 73.81
Std Dev 24.46

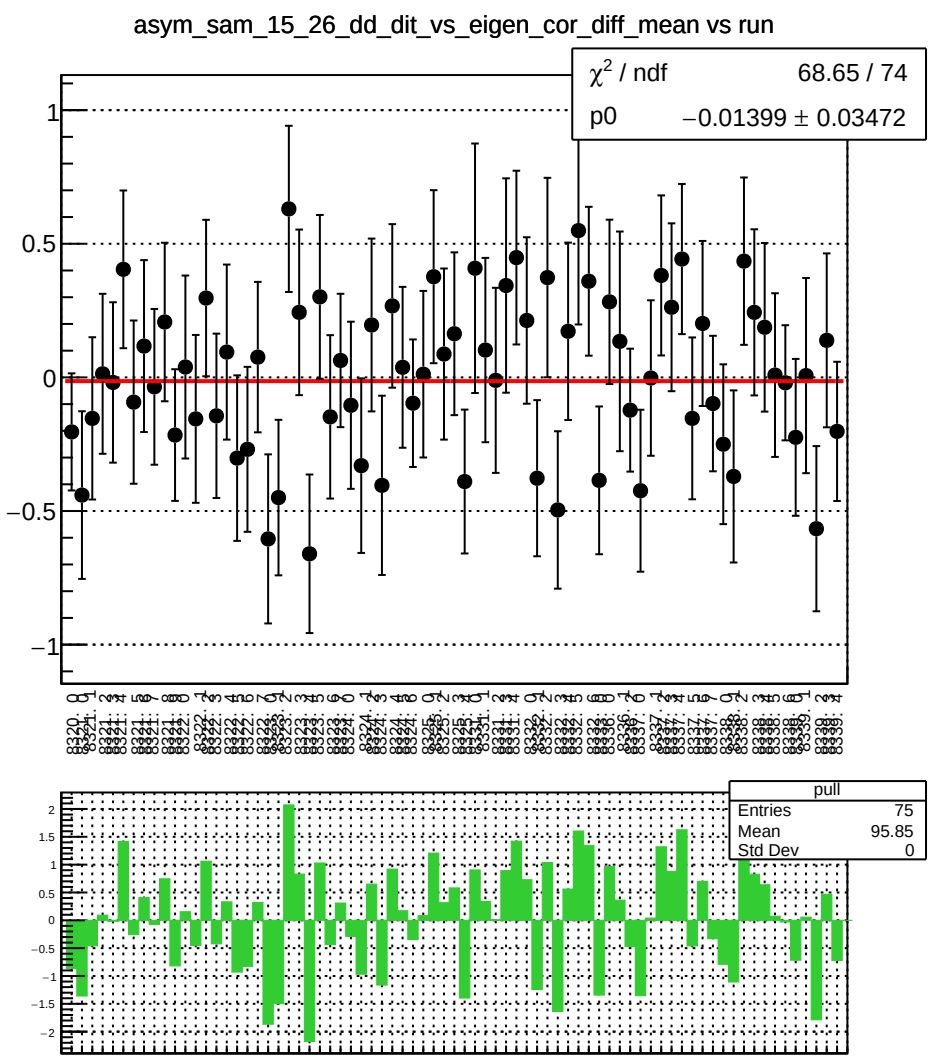

pull1D
Entries 75
Mean 0.06835
Std Dev 1.07

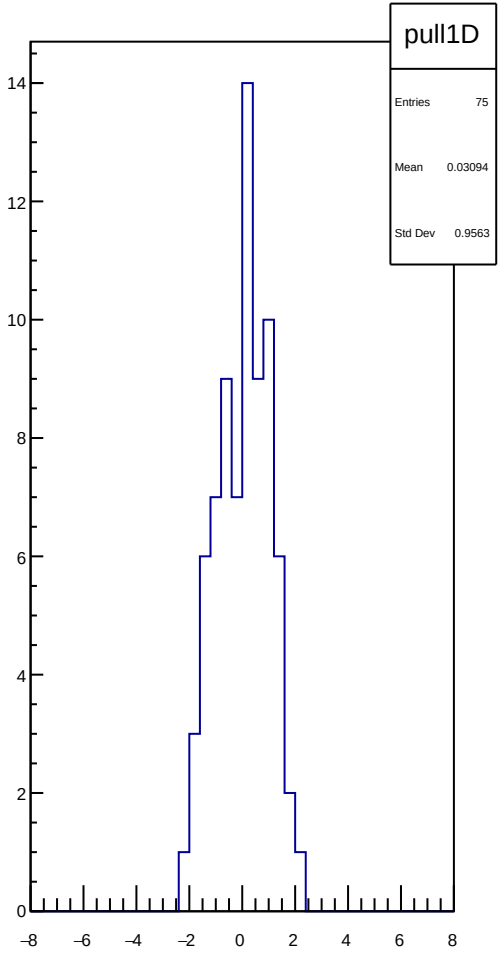

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 8.175e+05 / 74
p0 4.387e−11 ± 5.39e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

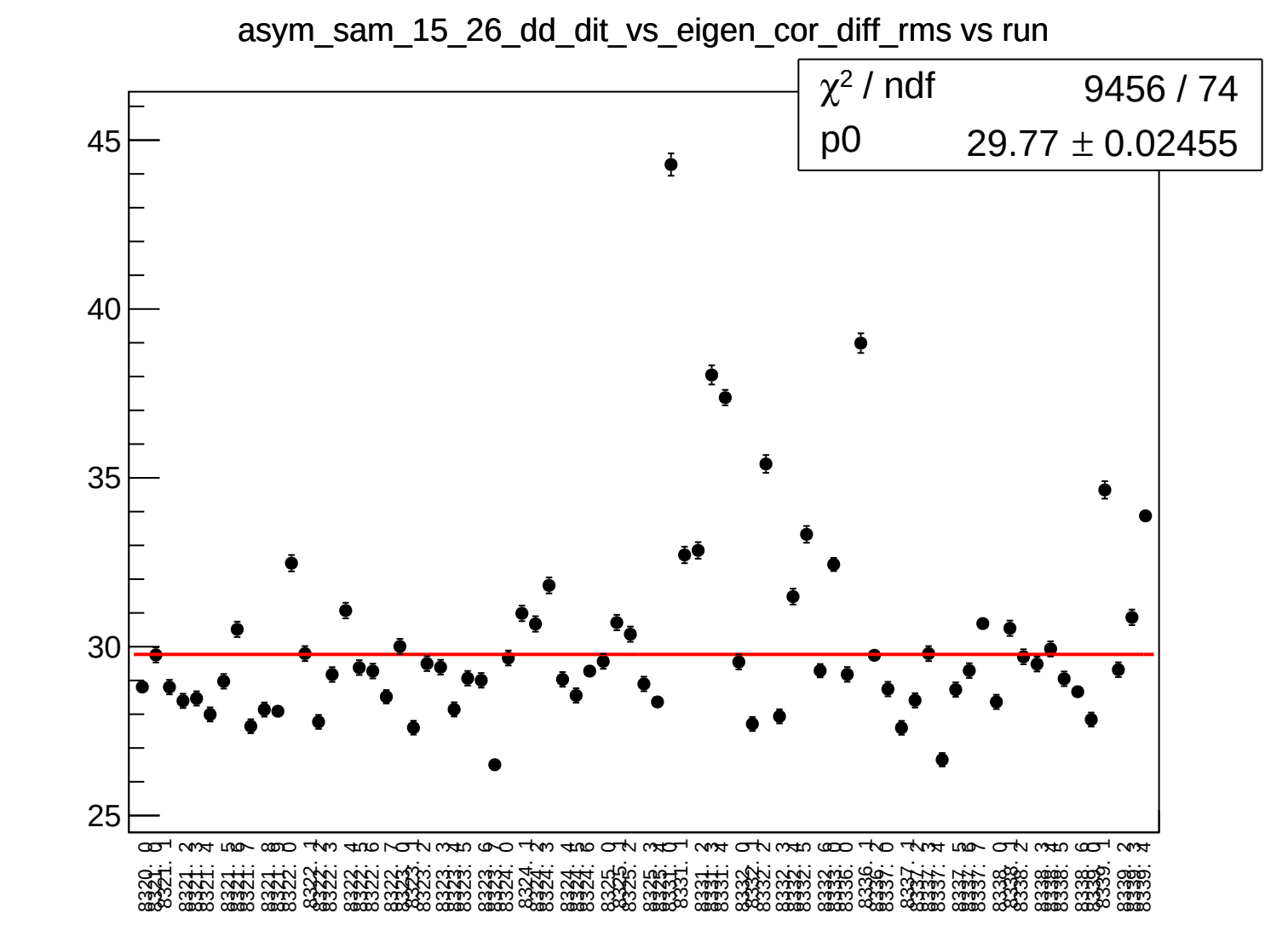

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 68.65 / 74
p0 −0.01399 ± 0.03472
pull
Entries 75
Mean 95.85
Std Dev 0

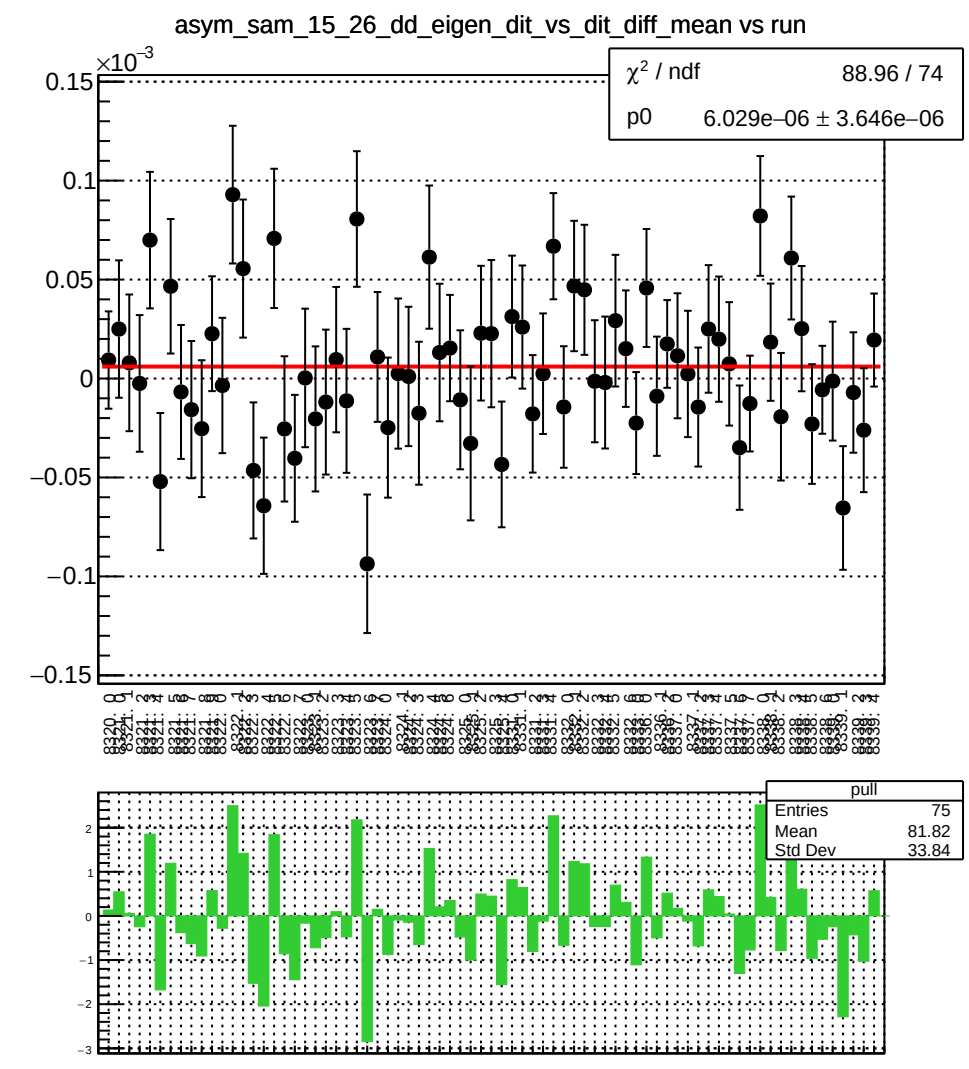

pull1D
Entries 75
Mean 0.03094
Std Dev 0.9563

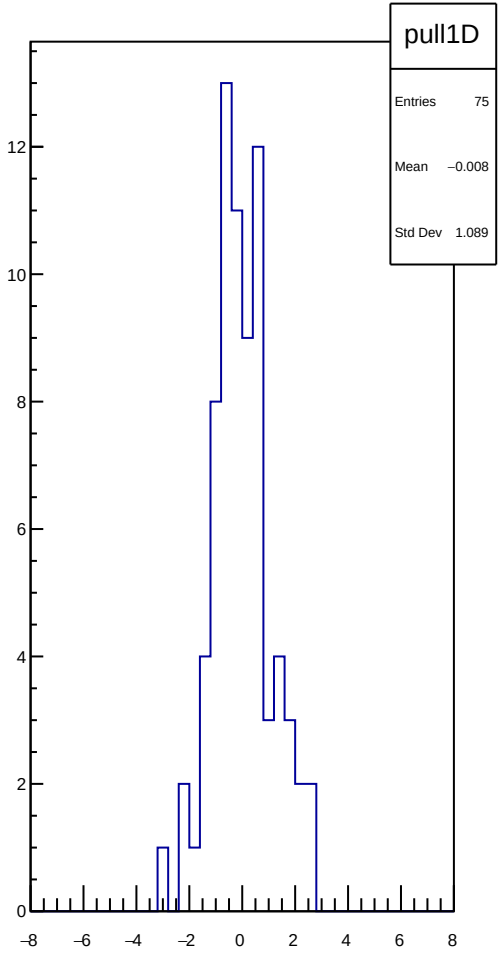

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9456 / 74
p0 29.77 ± 0.02455
45
40
35
30
25

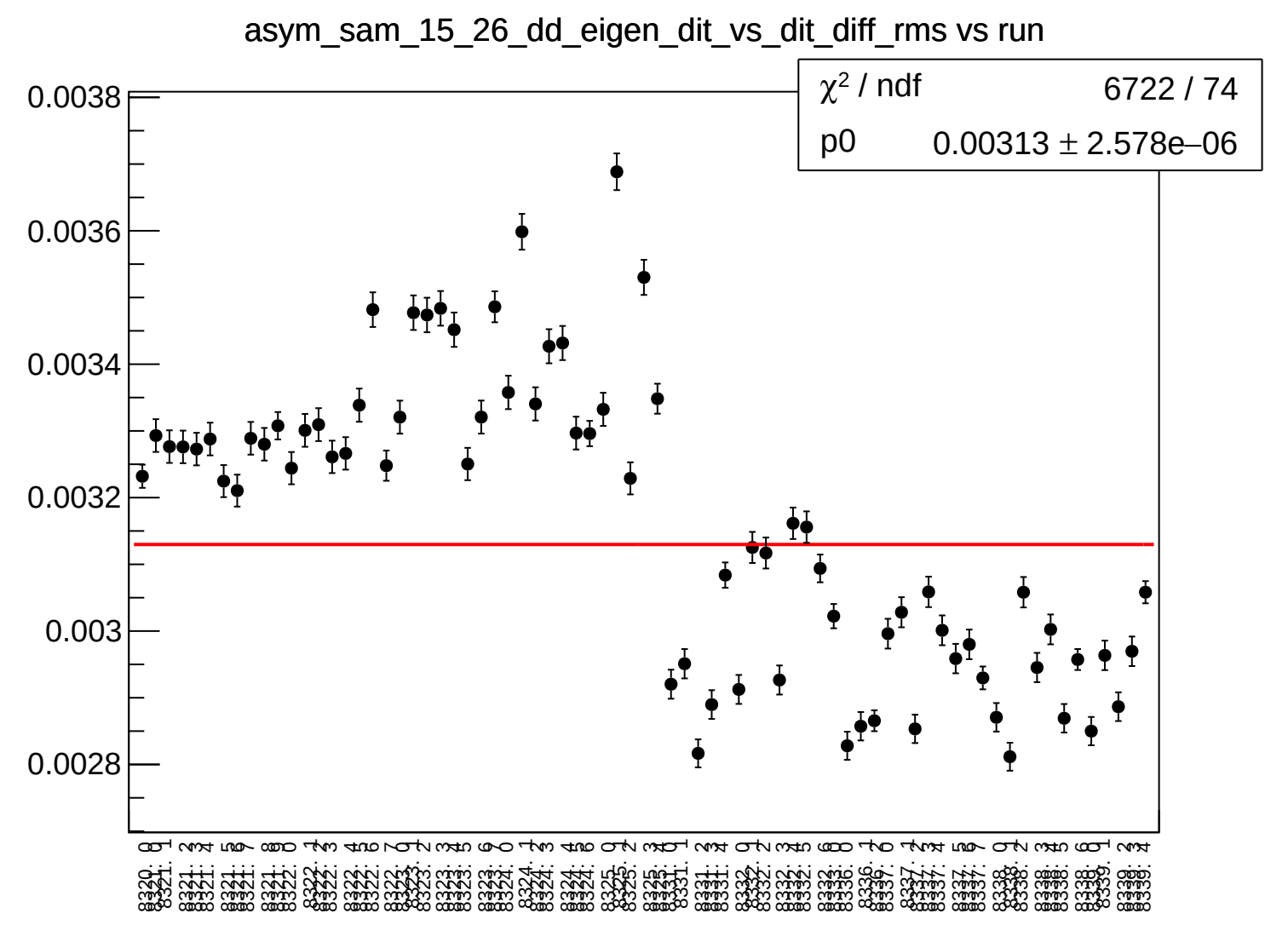

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.65 / 74
p0 −0.01399 ± 0.03472
pull
Entries 75
Mean 95.85
Std Dev 0

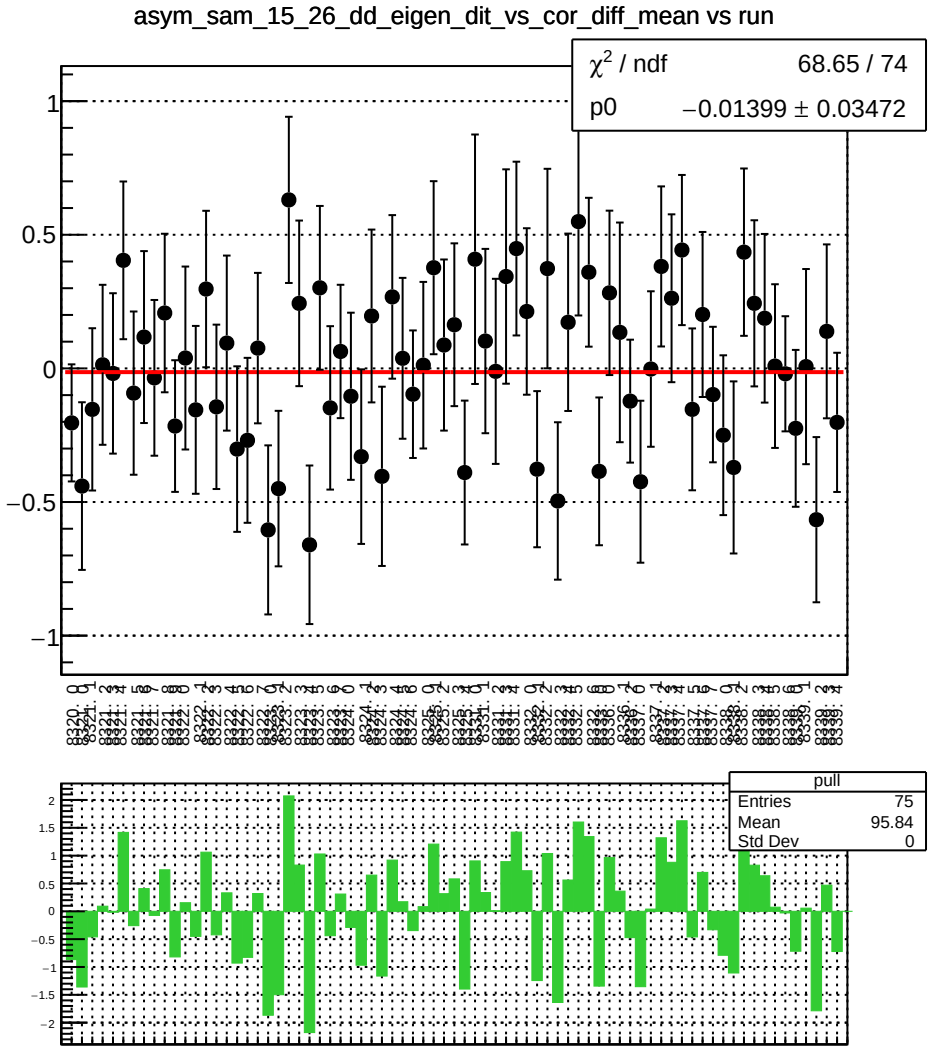

pull1D
Entries 75
Mean 0.03094
Std Dev 0.9563

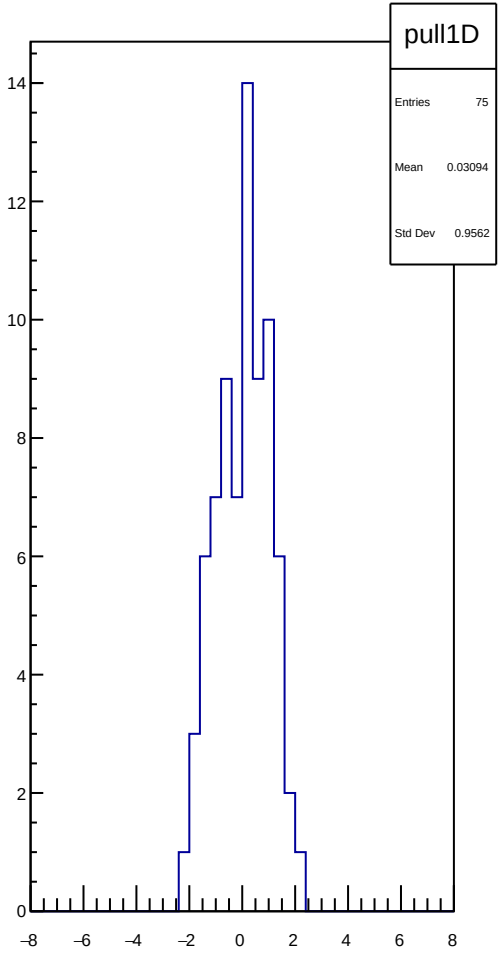

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9456 / 74
p0 29.77 ± 0.02455
45
40
35
30
25

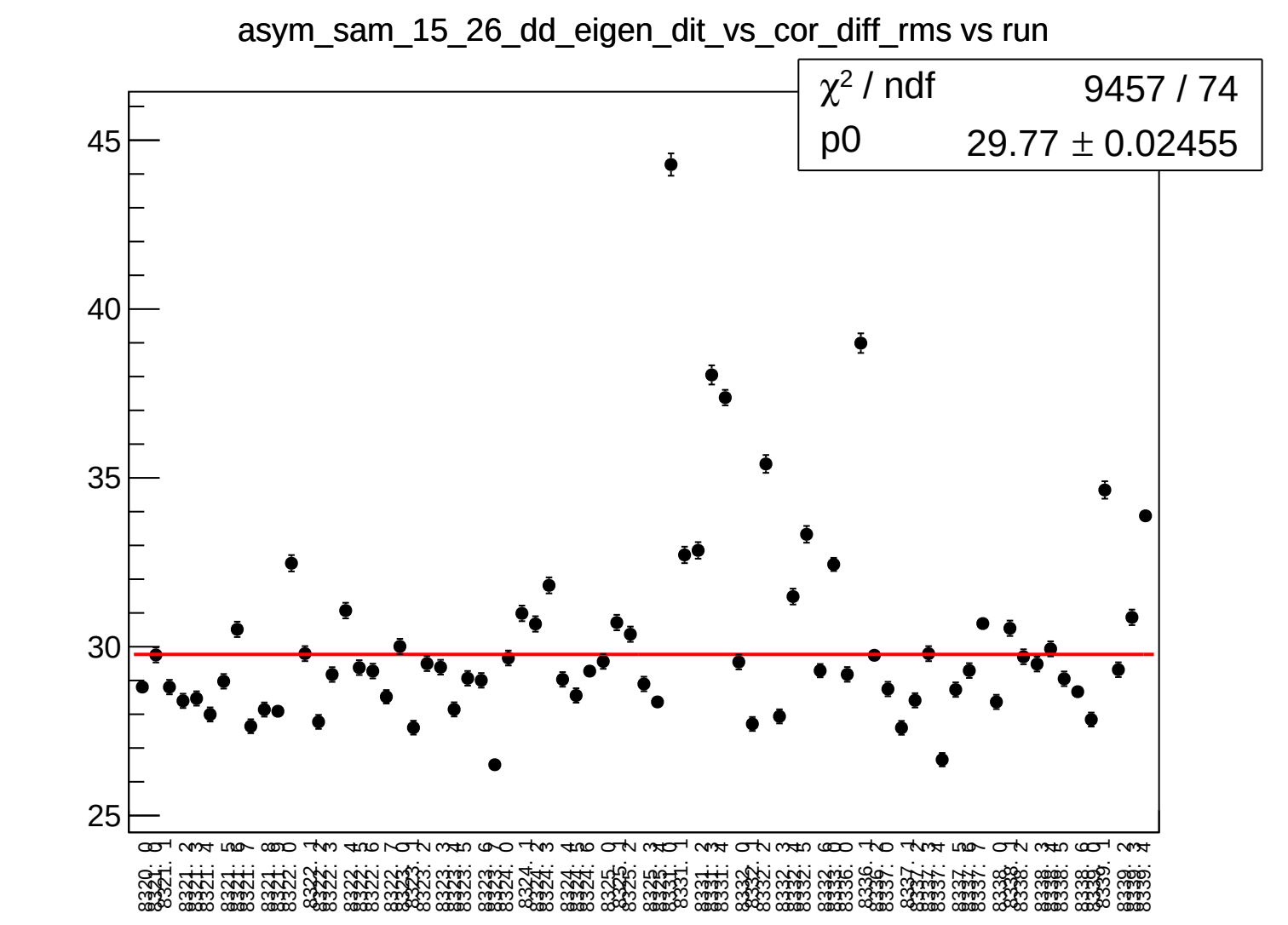

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.96 / 74
p0 6.029e−06 ± 3.646e−06
pull
Entries 75
Mean 81.82
Std Dev 33.84

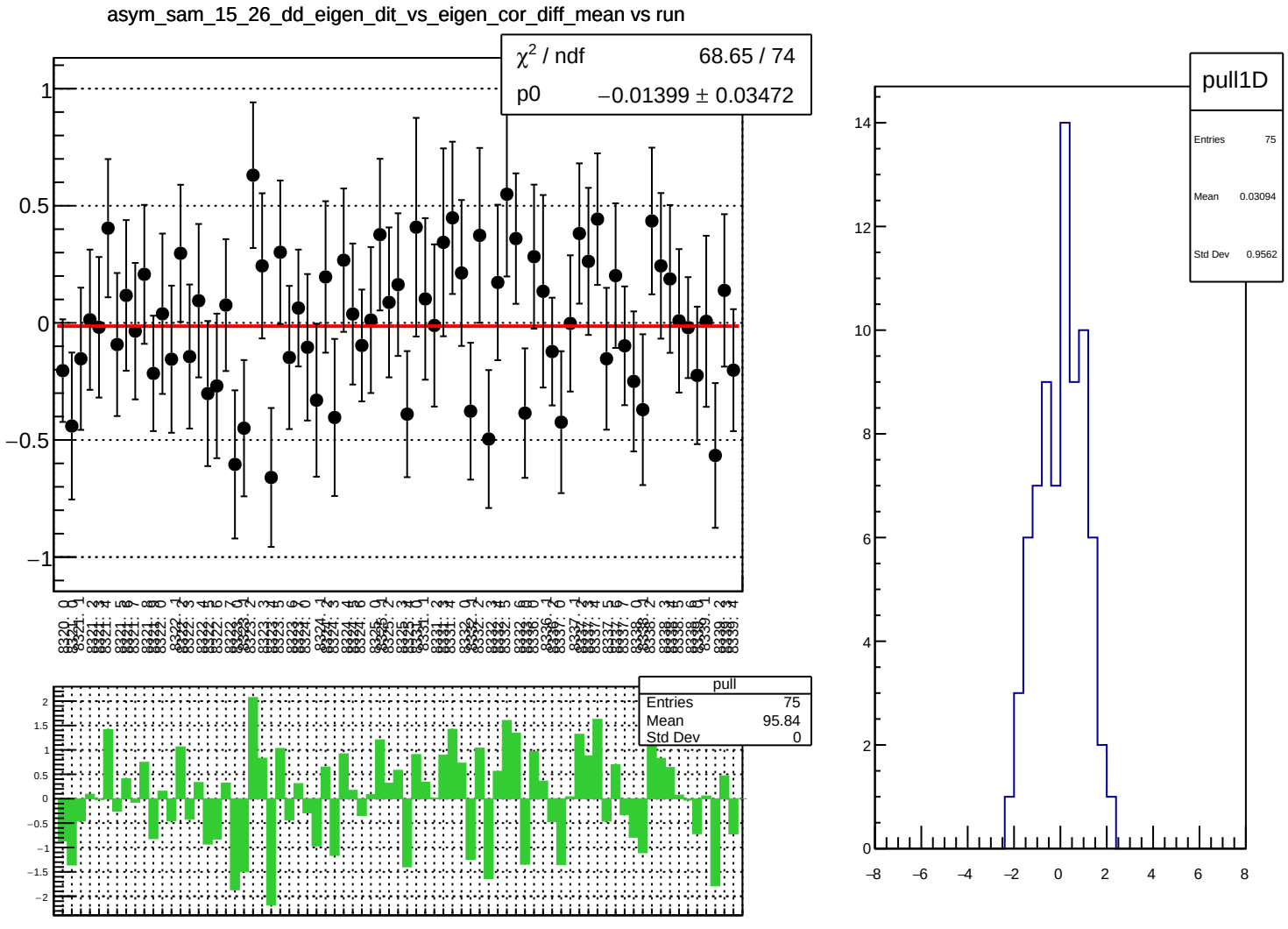

pull1D
Entries 75
Mean −0.008
Std Dev 1.089

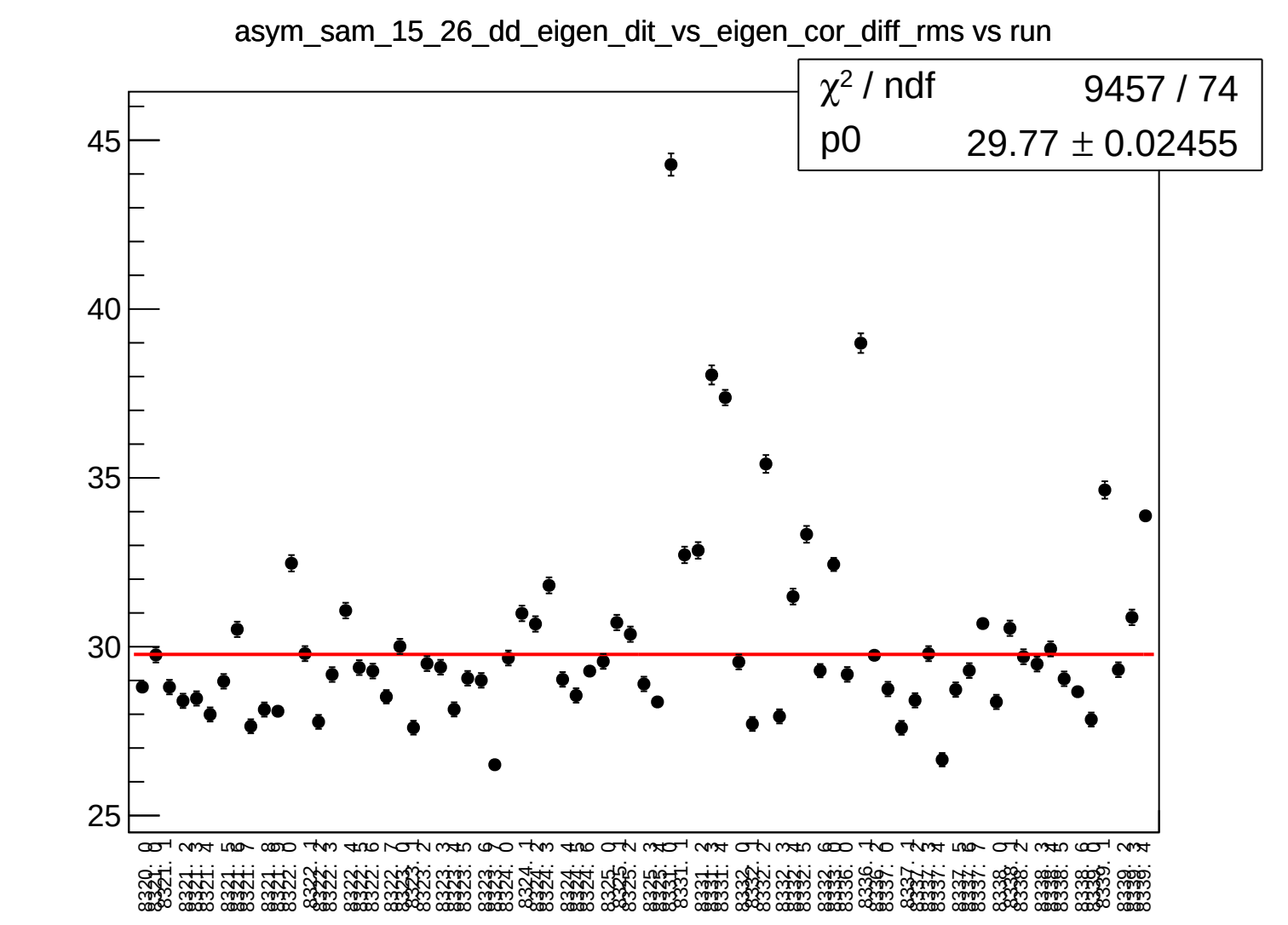

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6722 / 74
p0 0.00313 ± 2.578e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028

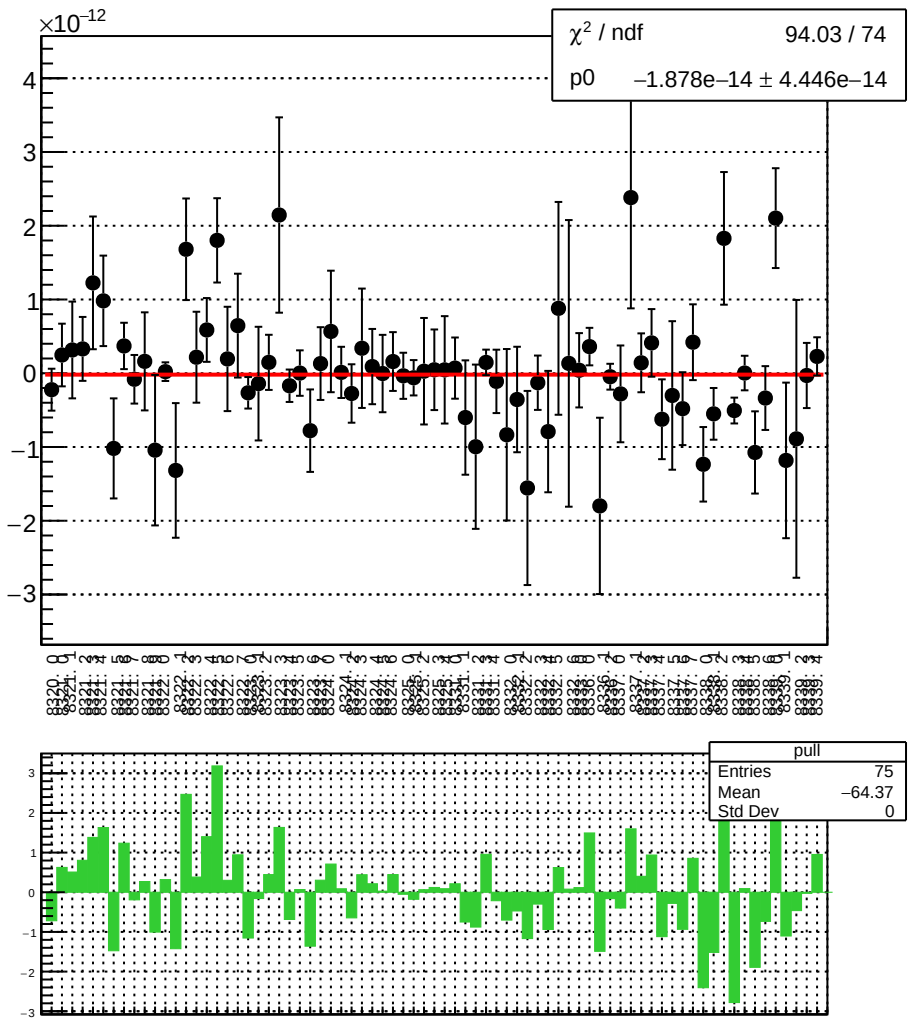

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 68.65 / 74
p0 −0.01399 ± 0.03472
pull
Entries 75
Mean 95.84
Std Dev 0

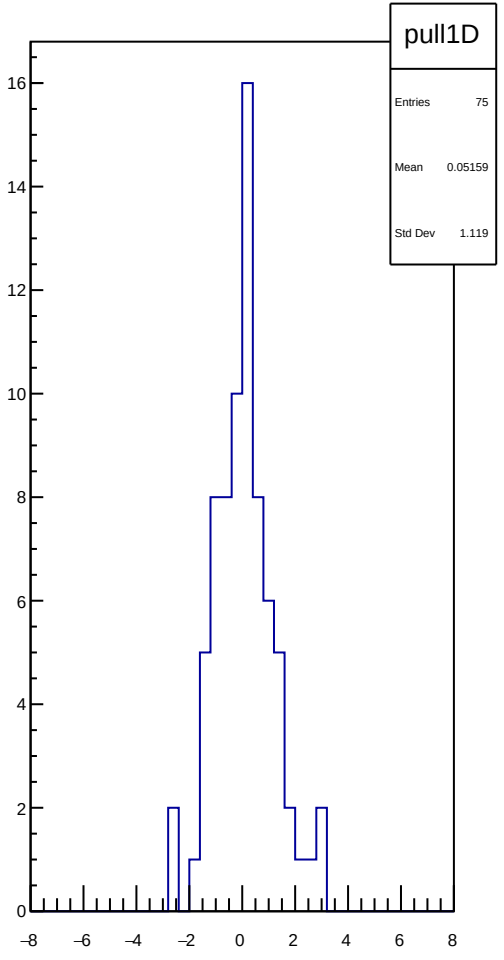

pull1D
Entries 75
Mean 0.03094
Std Dev 0.9562

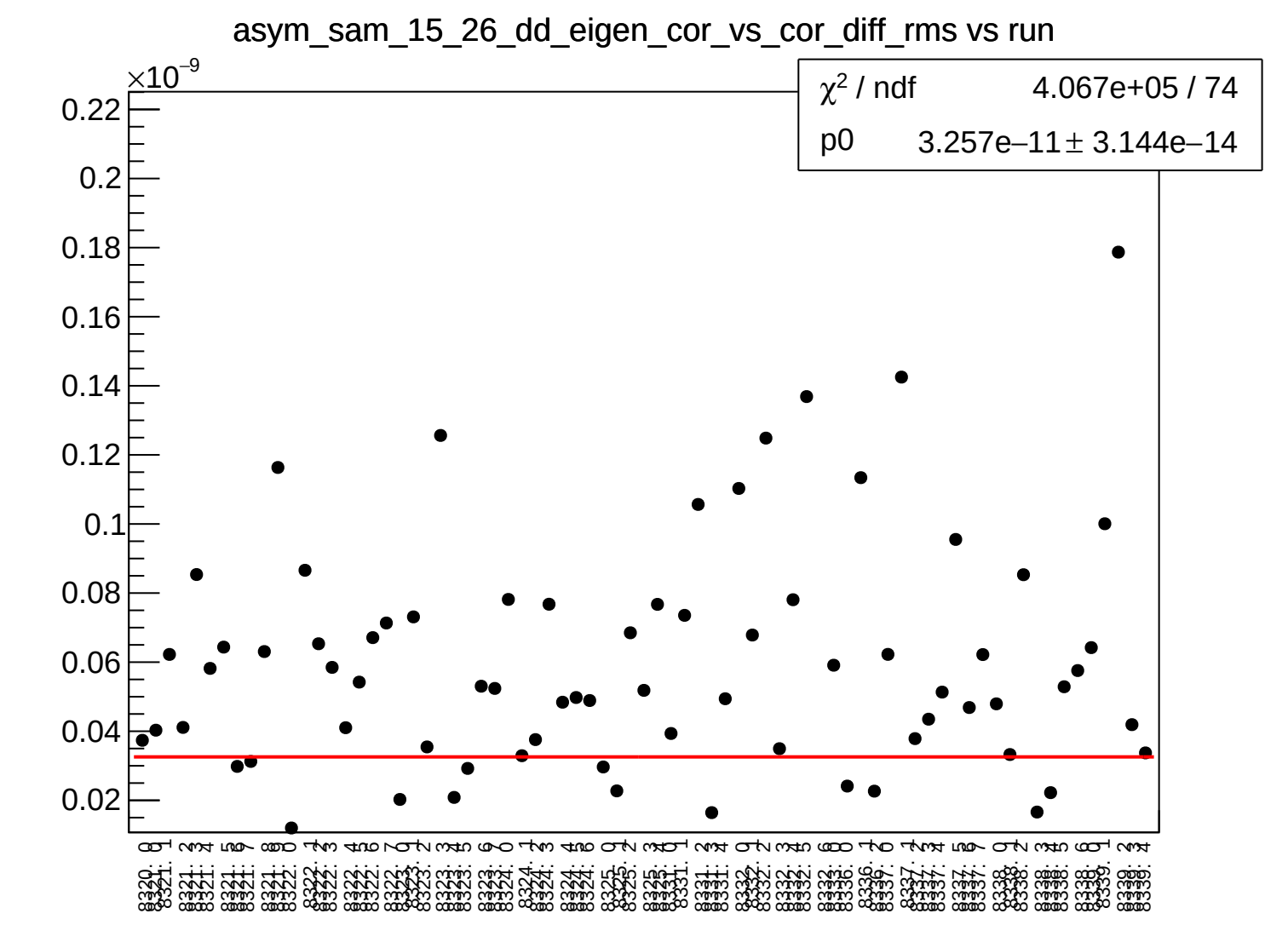

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9457 / 74
p0 29.77 ± 0.02455
45
40
35
30
25

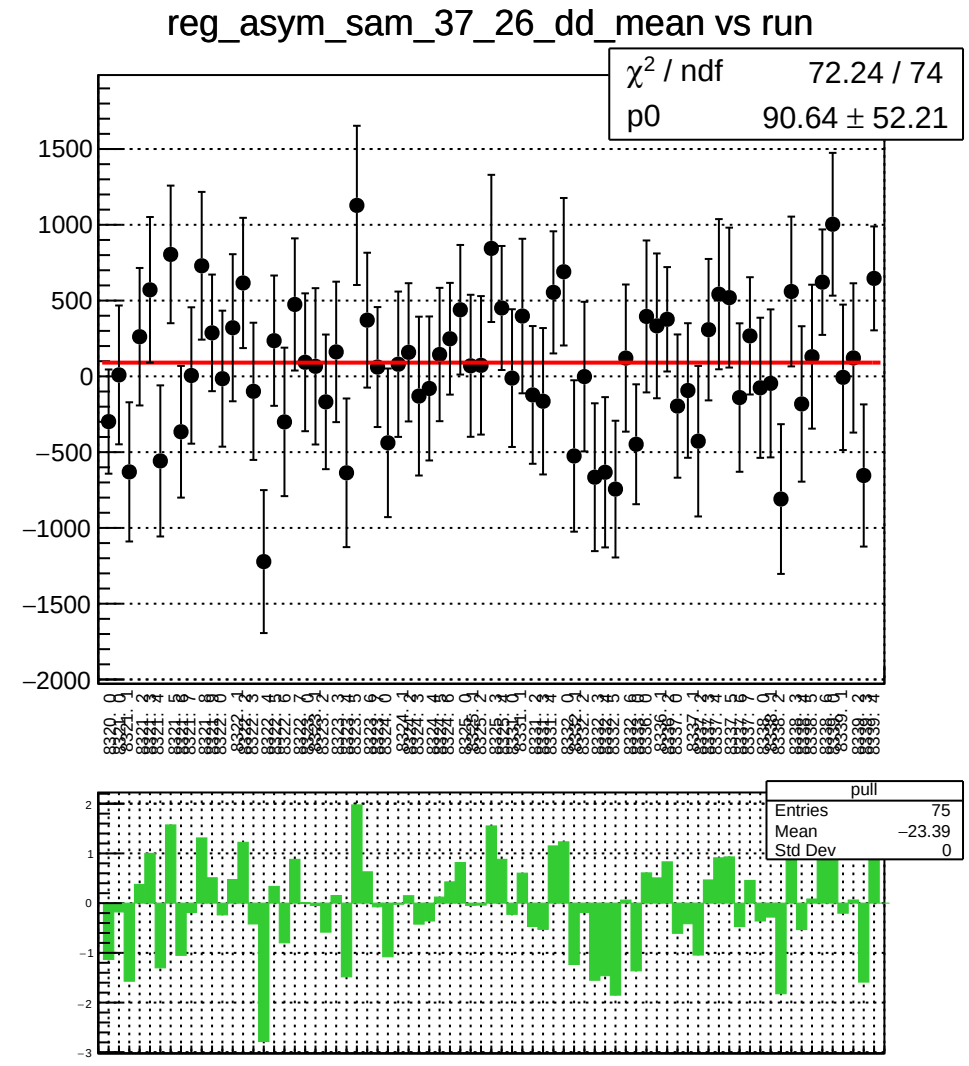

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 68.65 / 74
p0 −0.01399 ± 0.03472
pull
Entries 75
Mean 95.84
Std Dev 0
pull1D
Entries 75
Mean 0.03094
Std Dev 0.9562

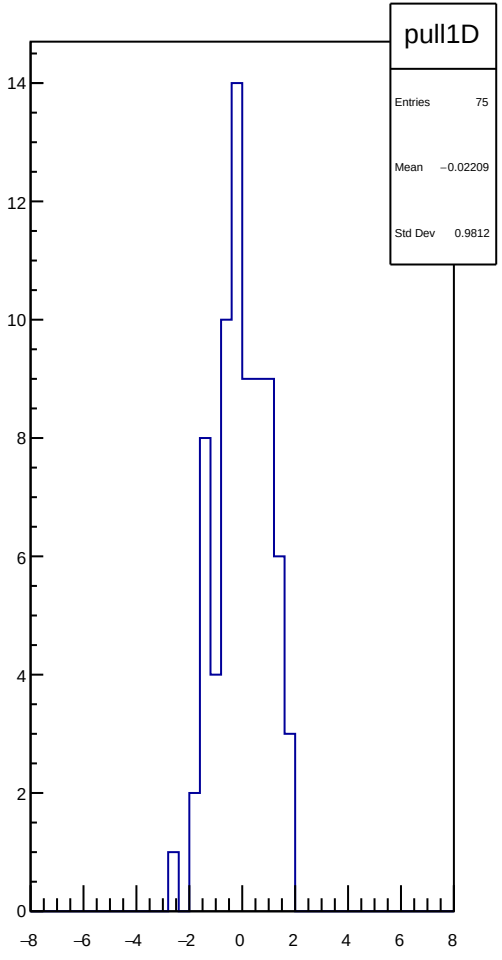

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9457 / 74
p0 29.77 ± 0.02455
45
40
35
30
25

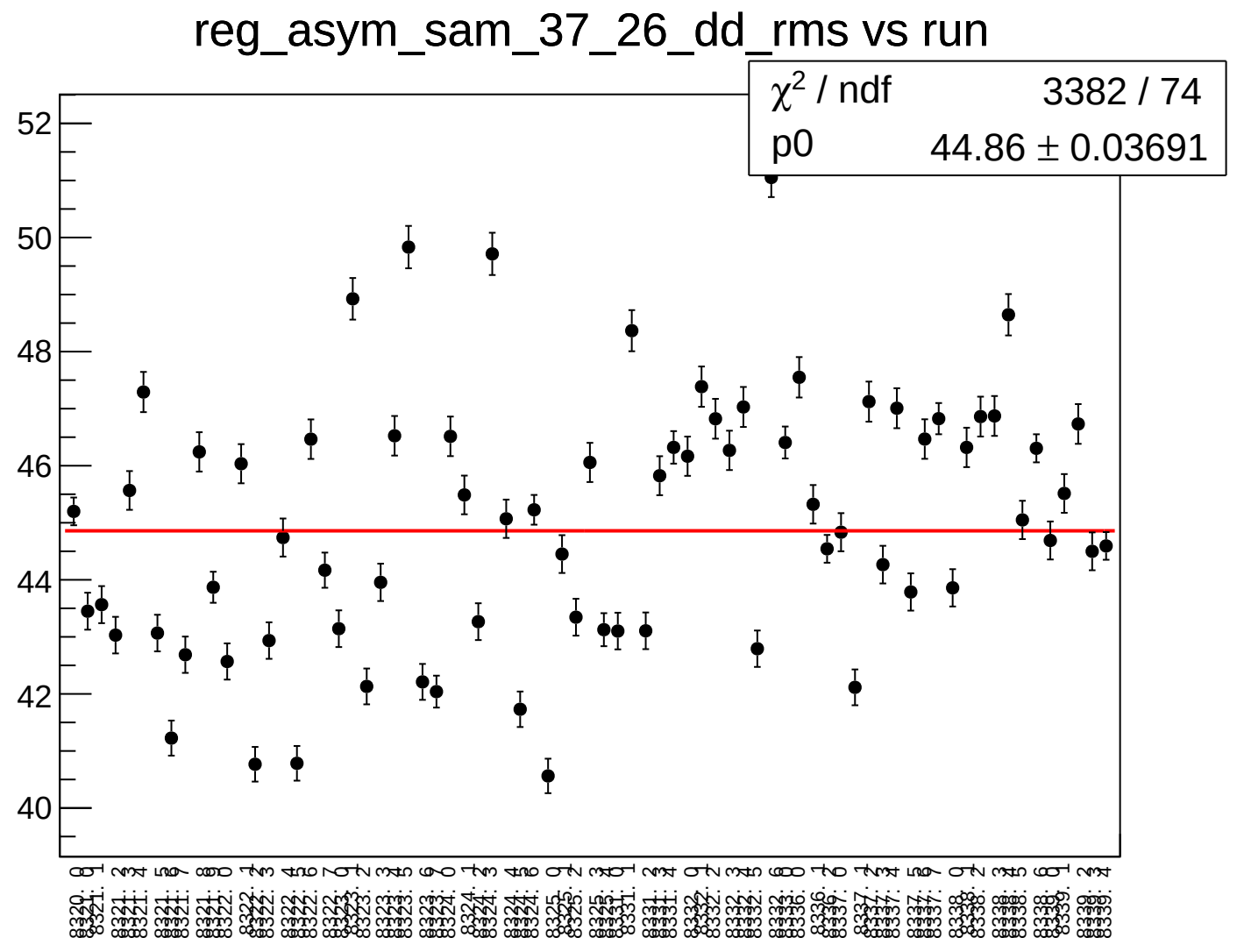

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 94.03 / 74
p0 −1.878e−14 ± 4.446e−14
pull
Entries 75
Mean −64.37
Std Dev 0

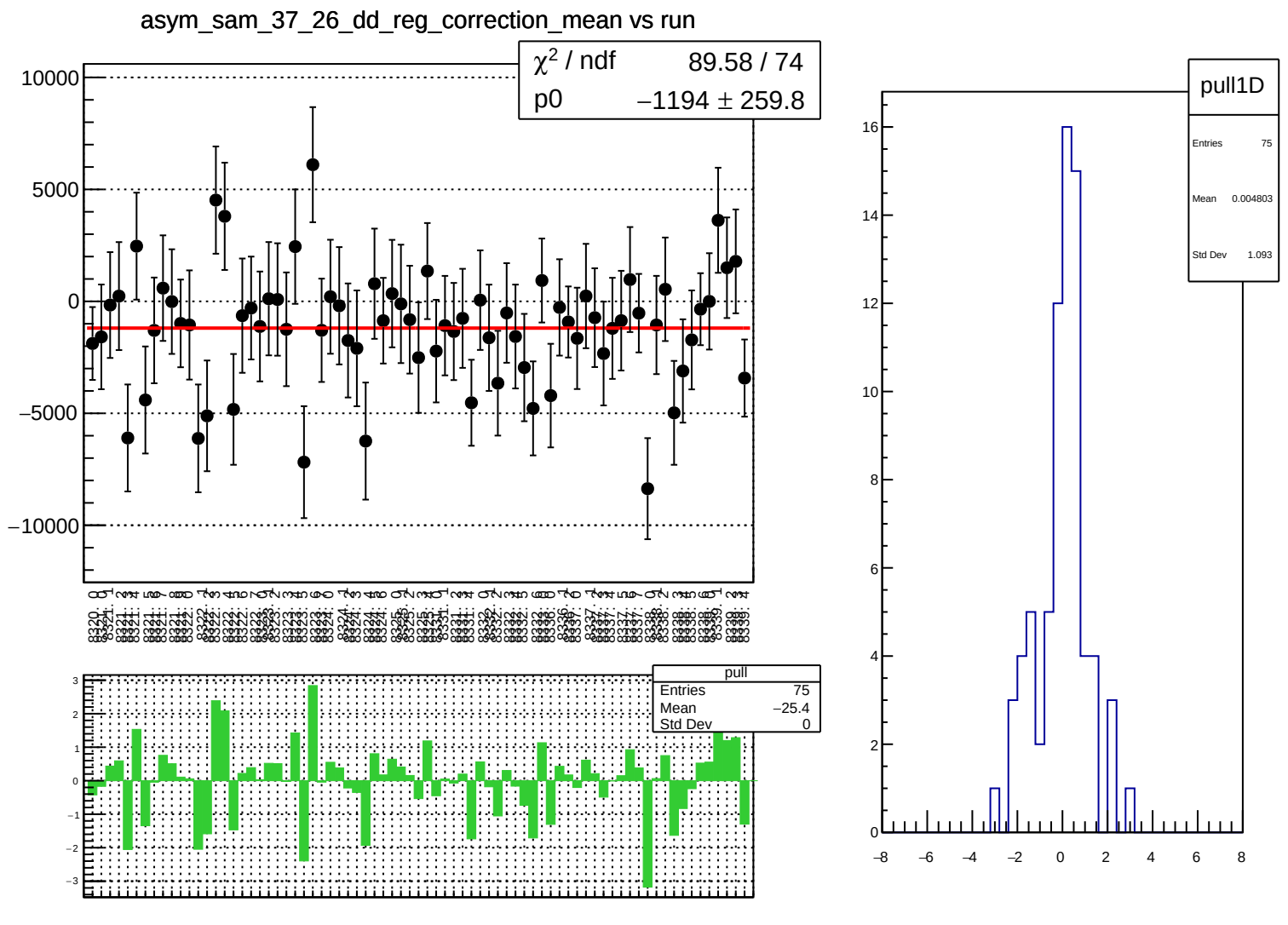

pull1D
Entries 75
Mean 0.05159
Std Dev 1.119

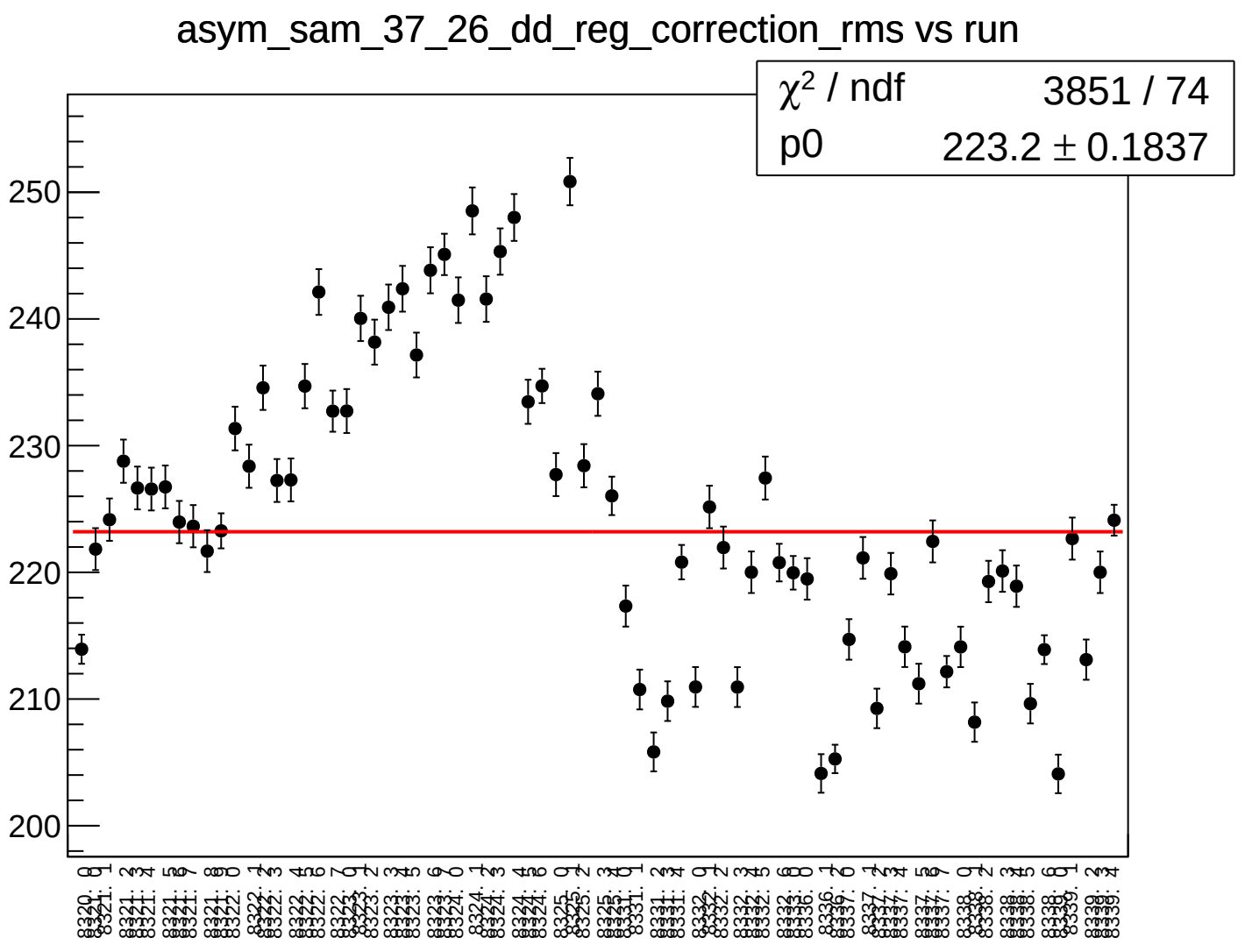

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.067e+05 / 74
p0 3.257e−11 ± 3.144e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

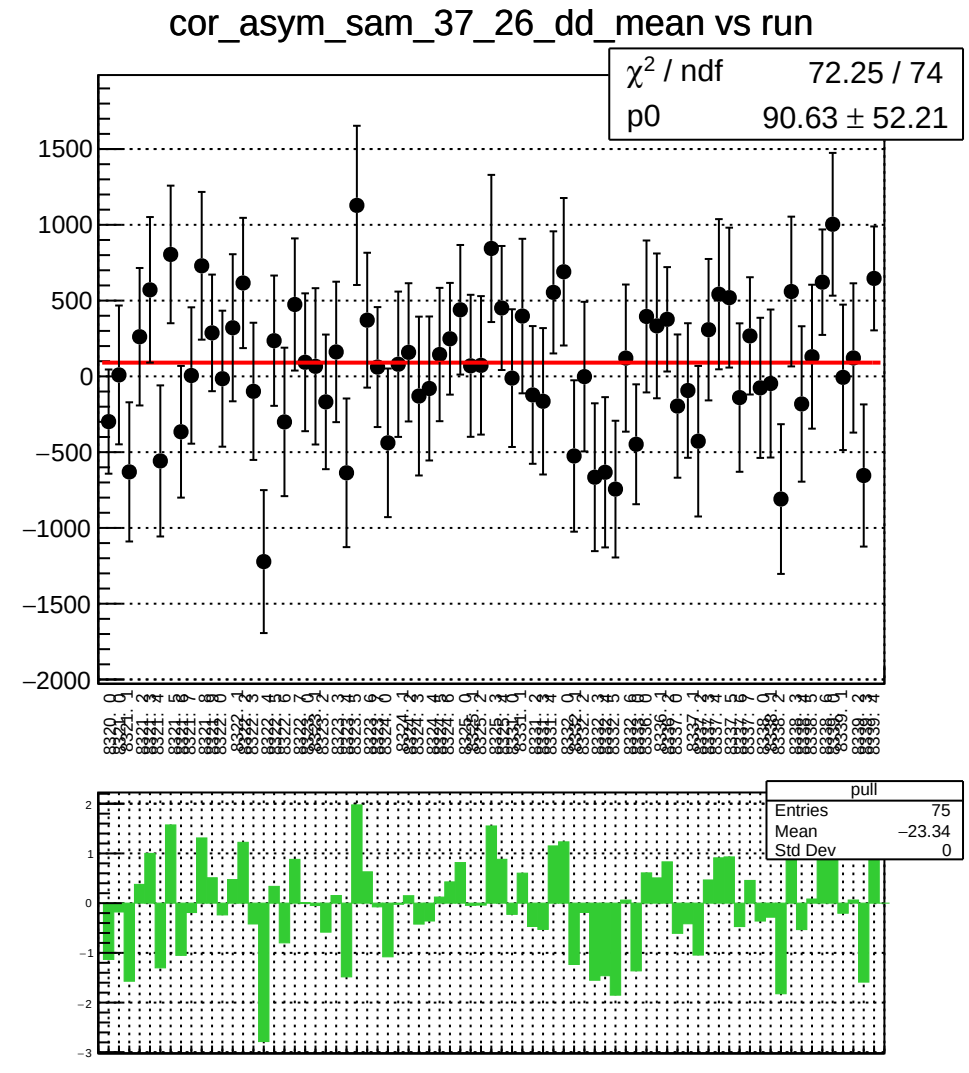

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 72.24 / 74
p0 90.64 ± 52.21
pull
Entries 75
Mean −23.39
Std Dev 0

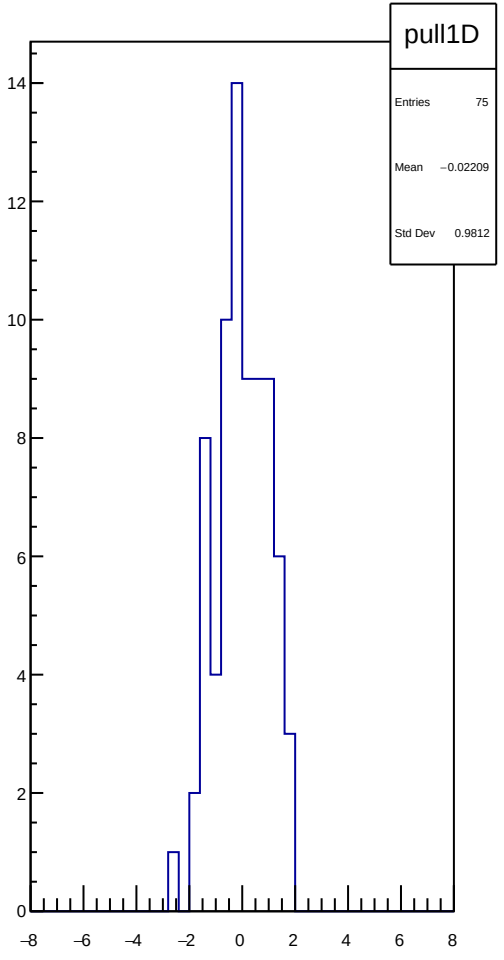

pull1D
Entries 75
Mean −0.02209
Std Dev 0.9812

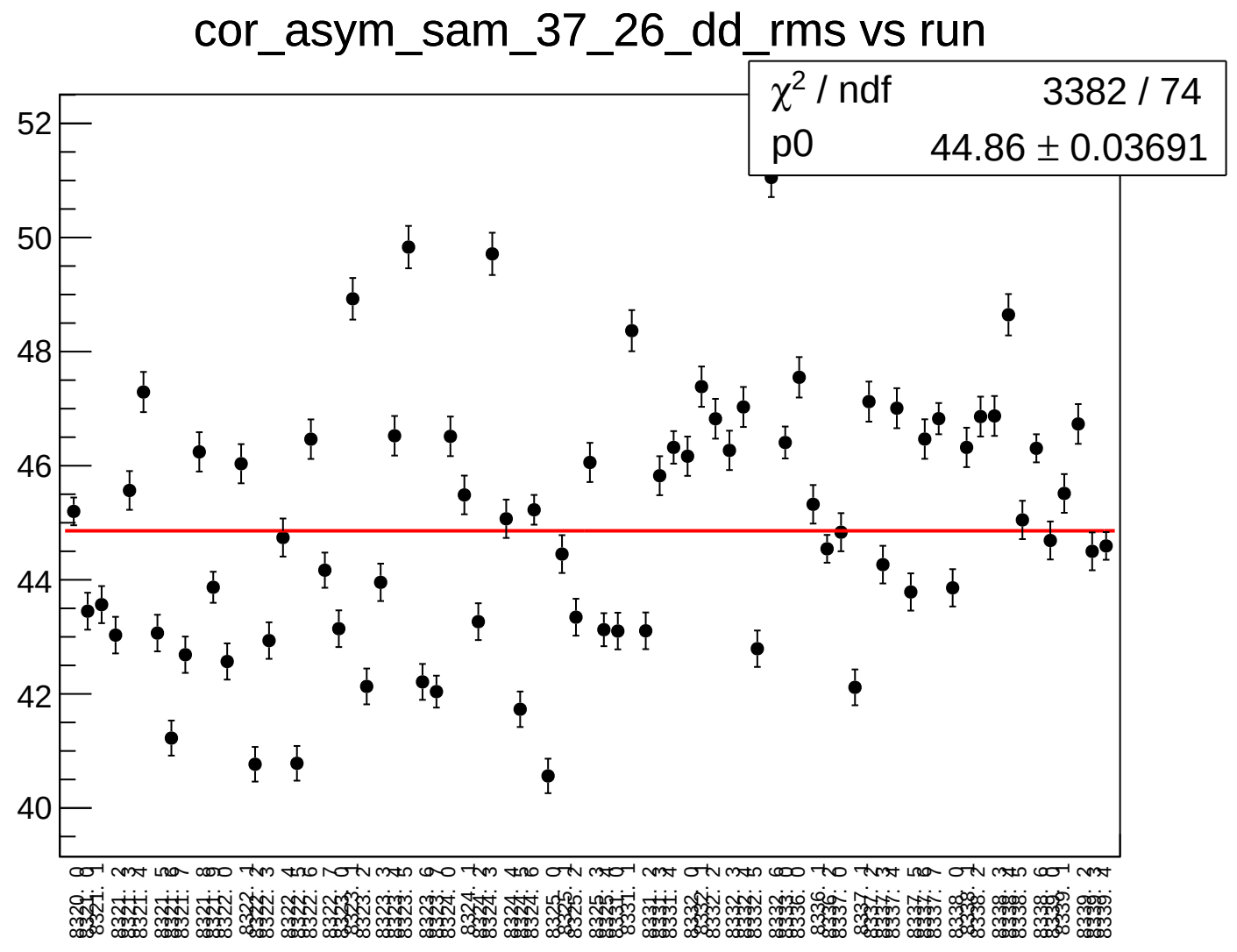

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 3382 / 74
p0 44.86 ± 0.03691
52
50
48
46
44
42
40

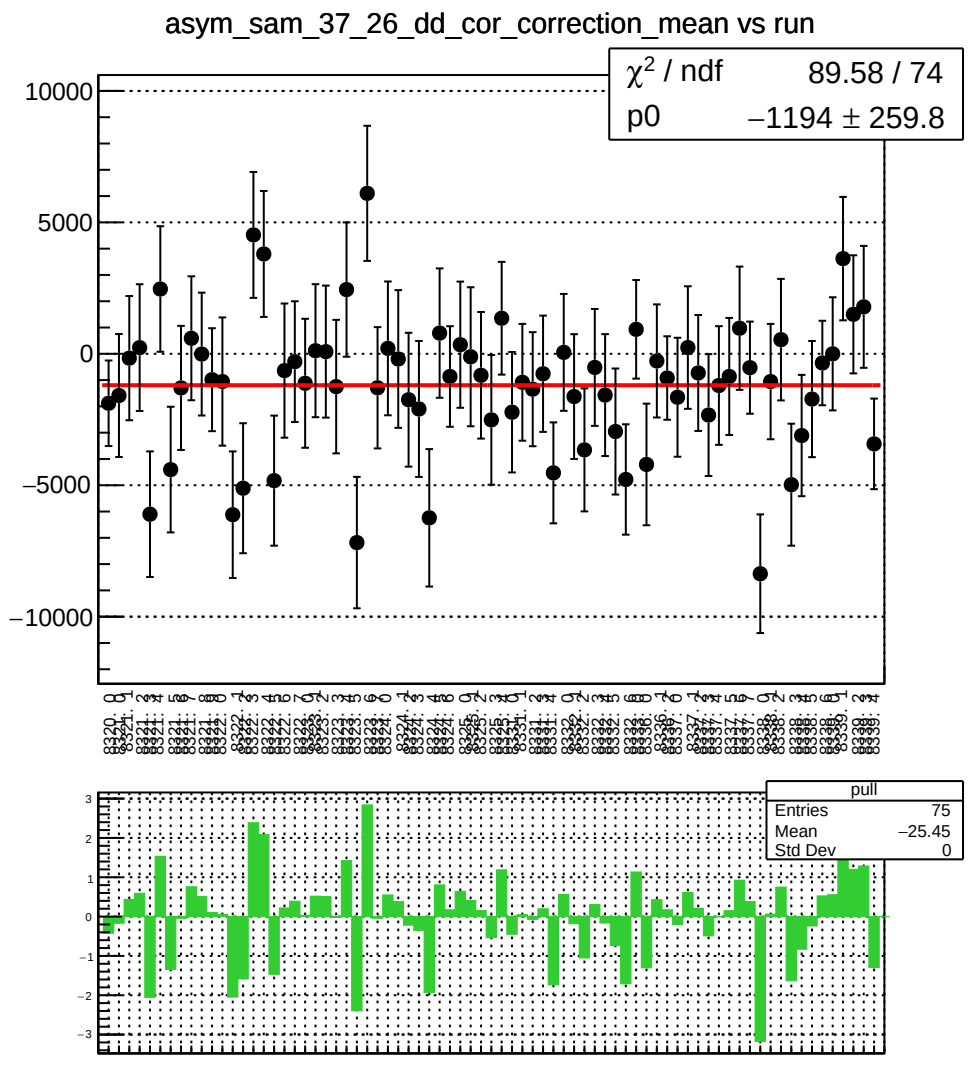

asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 89.58 / 74
p0 −1194 ± 259.8
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −25.4
Std Dev 0
pull1D
Entries 75
Mean 0.004803
Std Dev 1.093

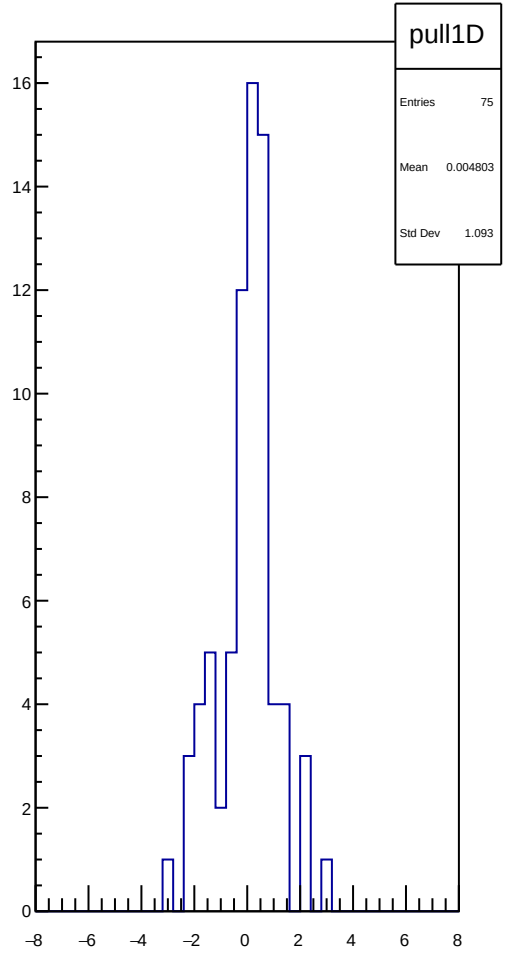

asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 3851 / 74
p0 223.2 ± 0.1837
250
240
230
220
210
200

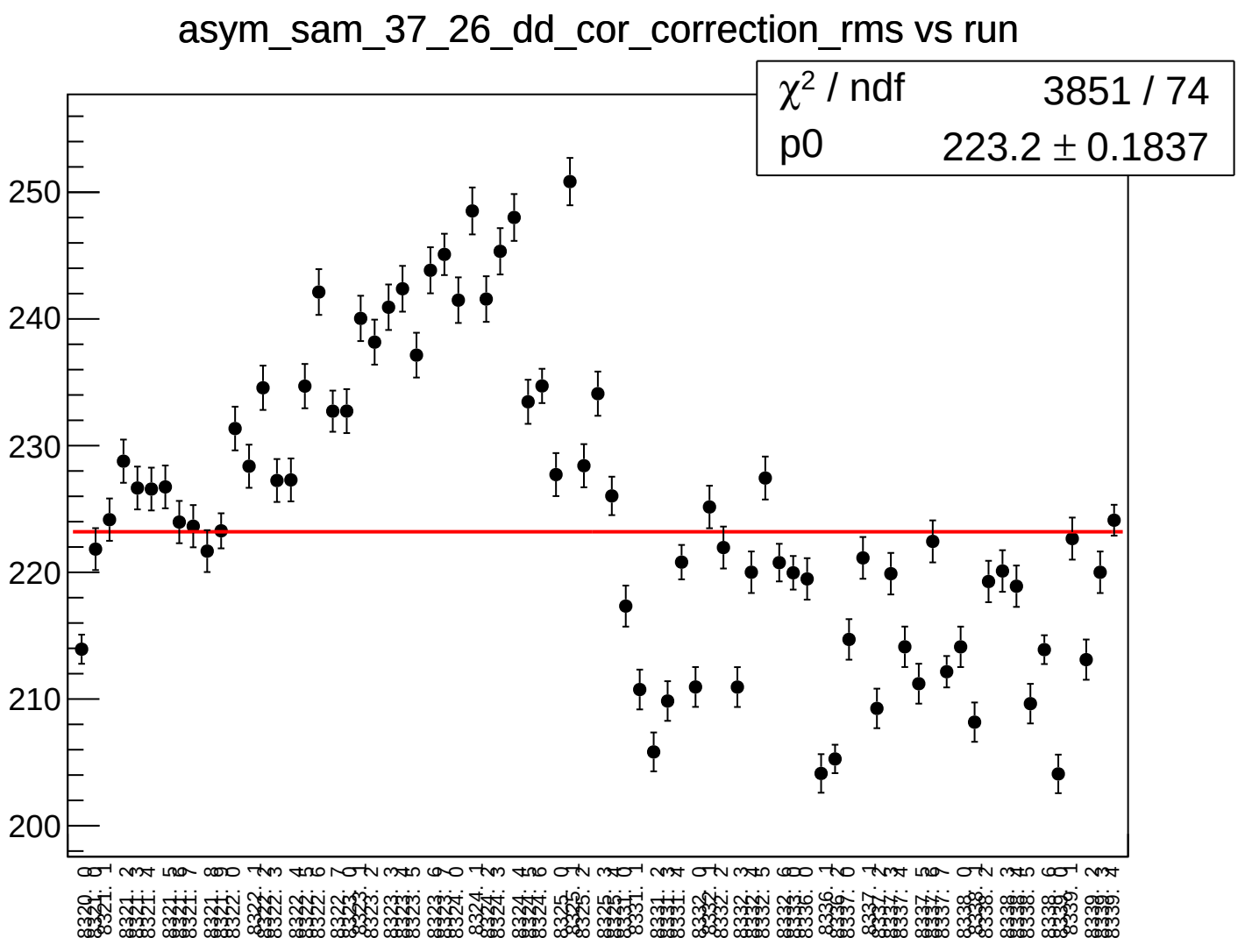

cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 72.25 / 74
p0 90.63 ± 52.21
pull
Entries 75
Mean −23.34
Std Dev 0

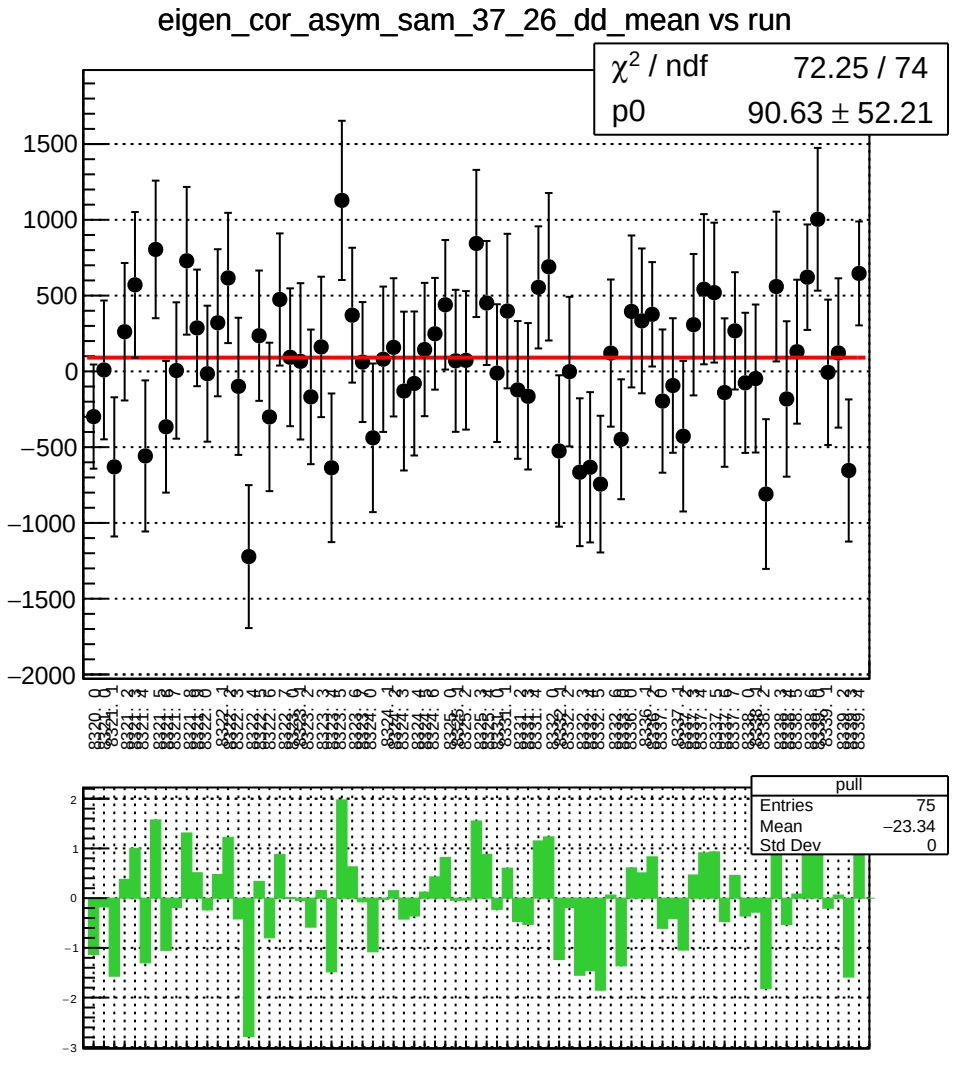

pull1D
Entries 75
Mean −0.02209
Std Dev 0.9812

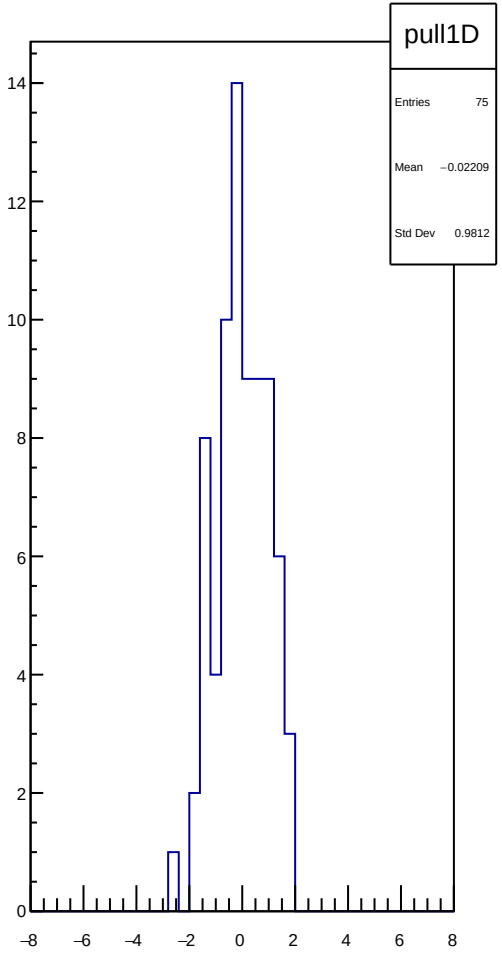

cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 3382 / 74
p0 44.86 ± 0.03691
52
50
48
46
44
42
40

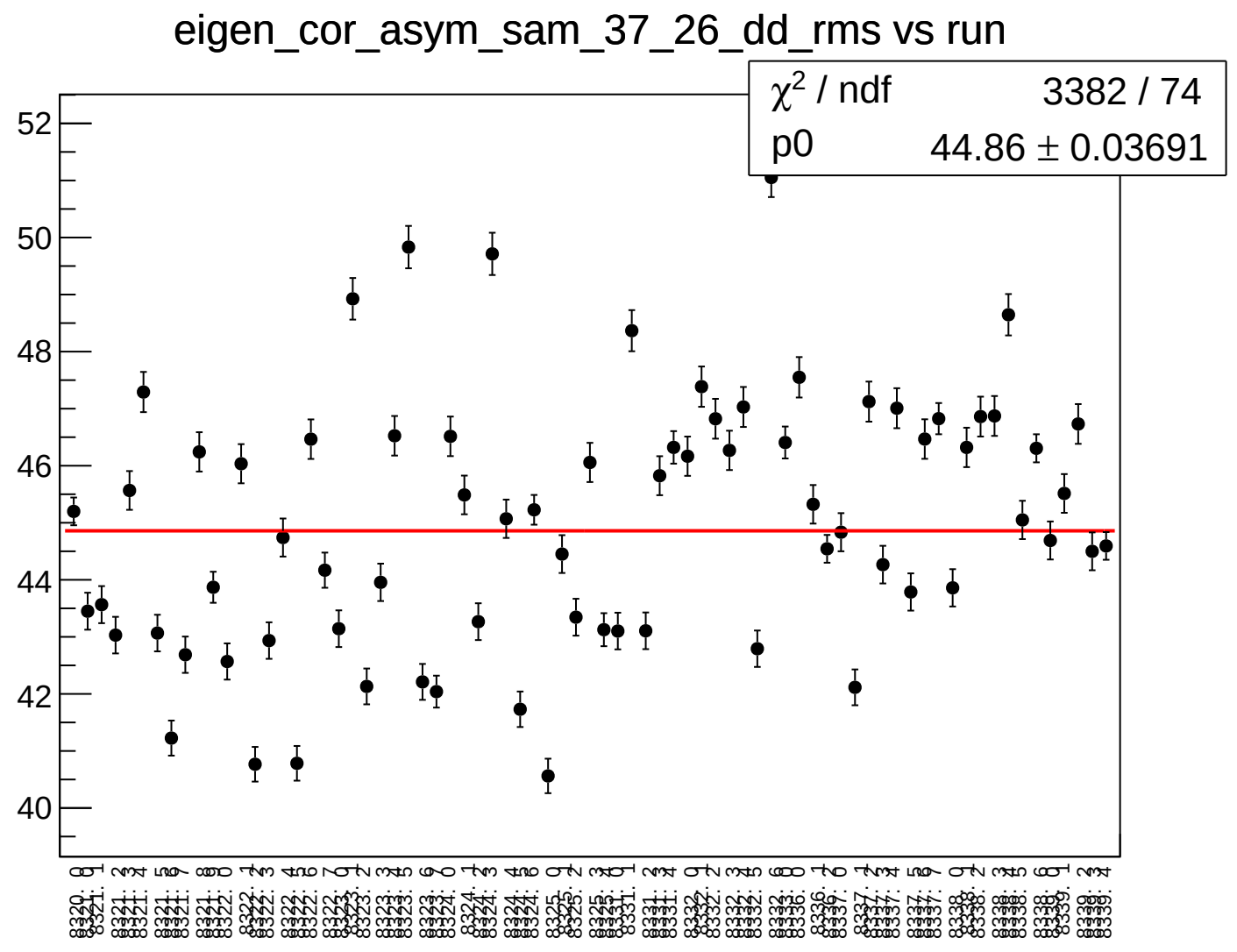

asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 89.58 / 74
p0 −1194 ± 259.8
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −25.45
Std Dev 0
3
2
1
0
−1
−2
−3

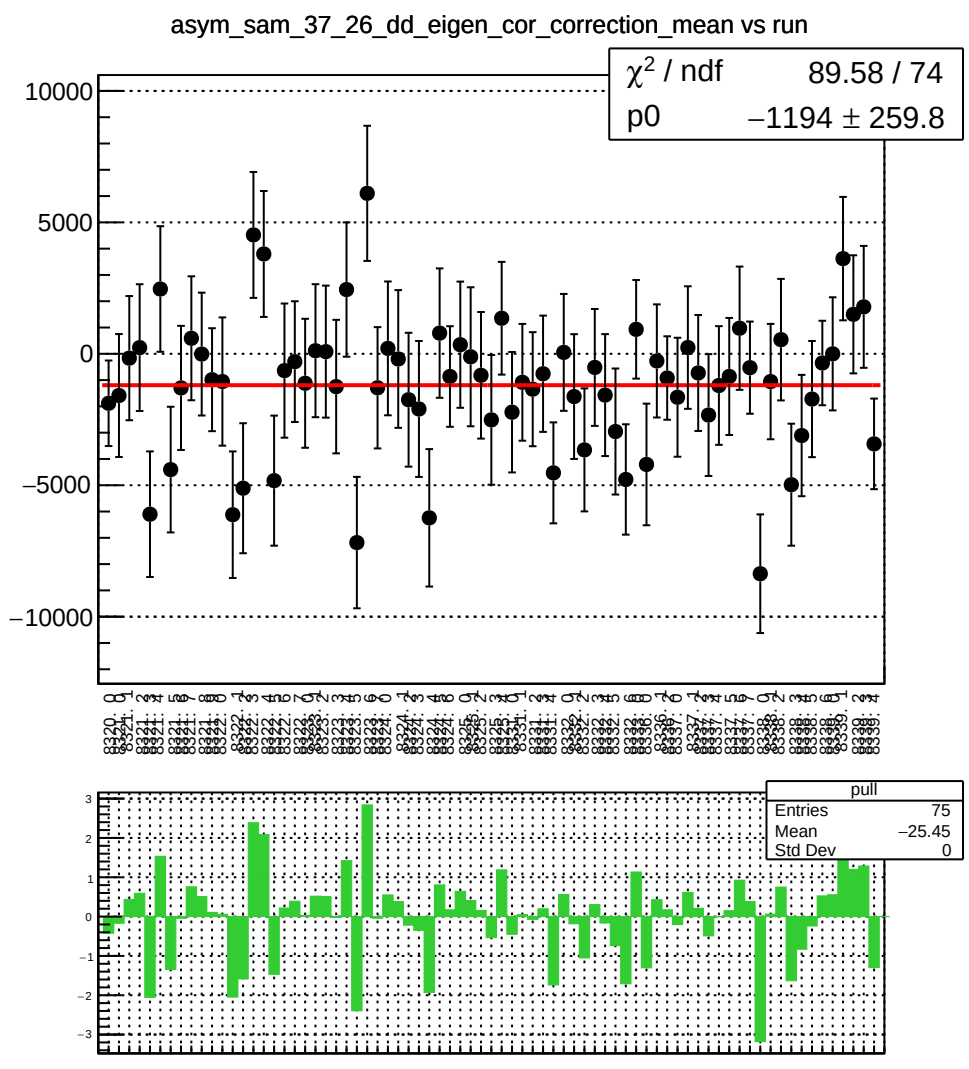

pull1D
Entries 75
Mean 0.004803
Std Dev 1.093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

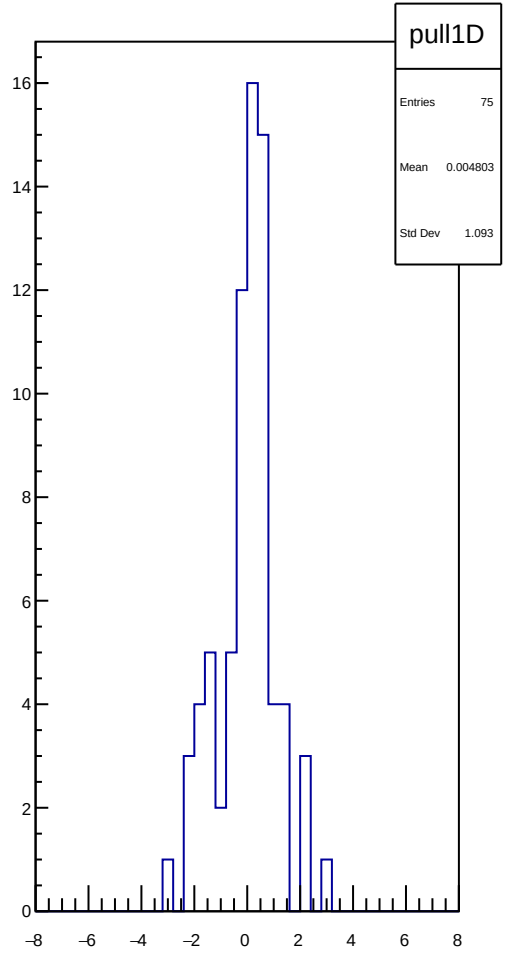

asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 3851 / 74
p0 223.2 ± 0.1837
250
240
230
220
210
200

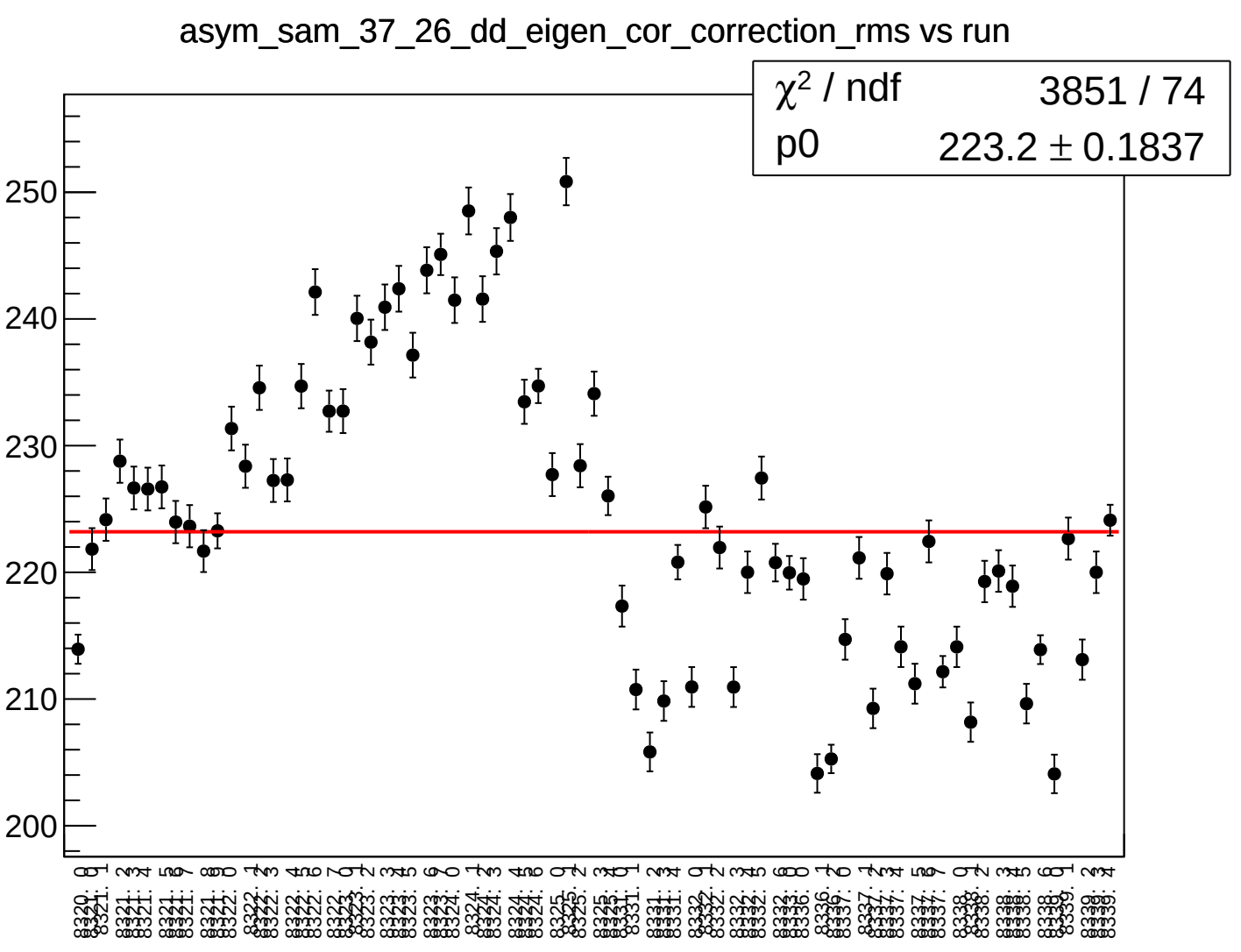

eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 72.25 / 74
p0 90.63 ± 52.21
pull
Entries 75
Mean −23.34
Std Dev 0

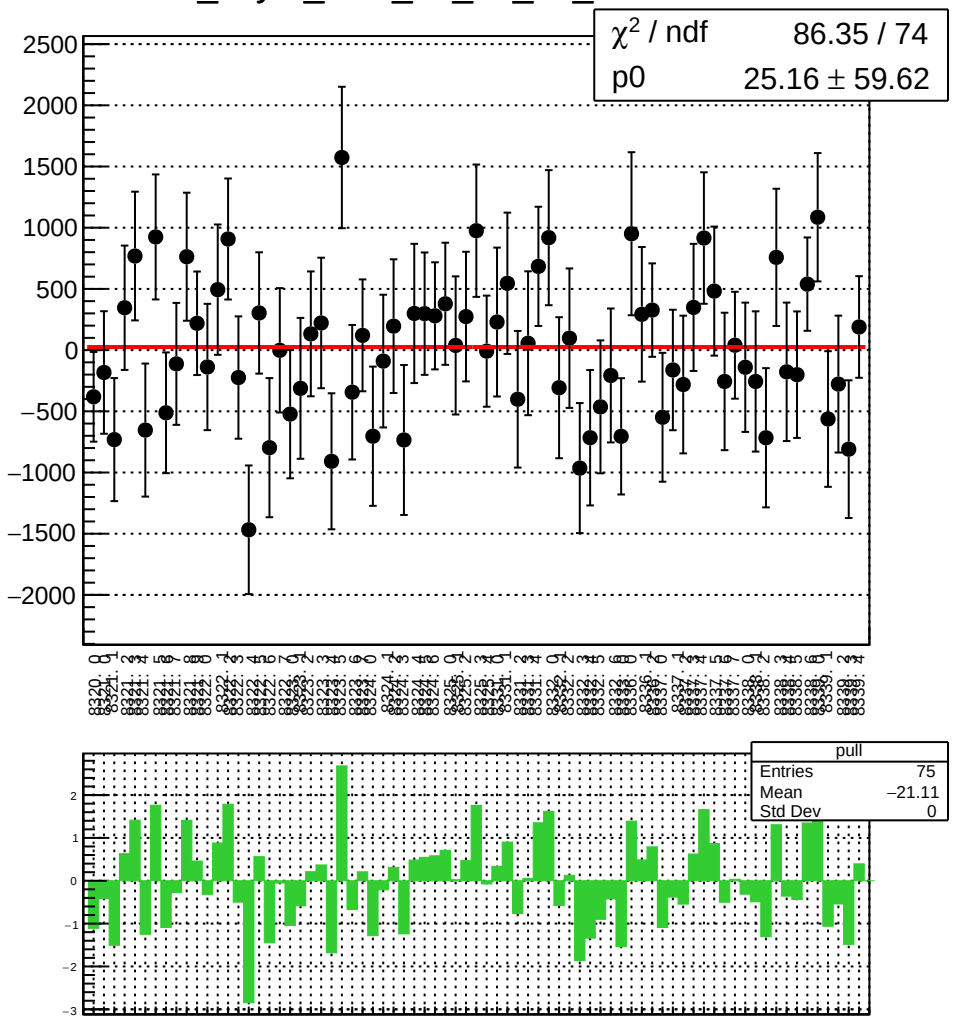

pull1D
Entries 75
Mean −0.02209
Std Dev 0.9812

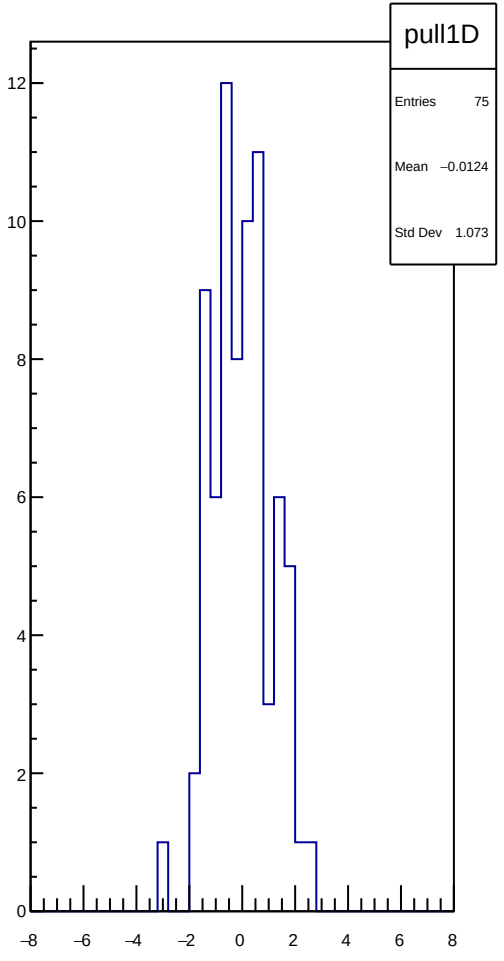

eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 3382 / 74
p0 44.86 ± 0.03691
52
50
48
46
44
42
40

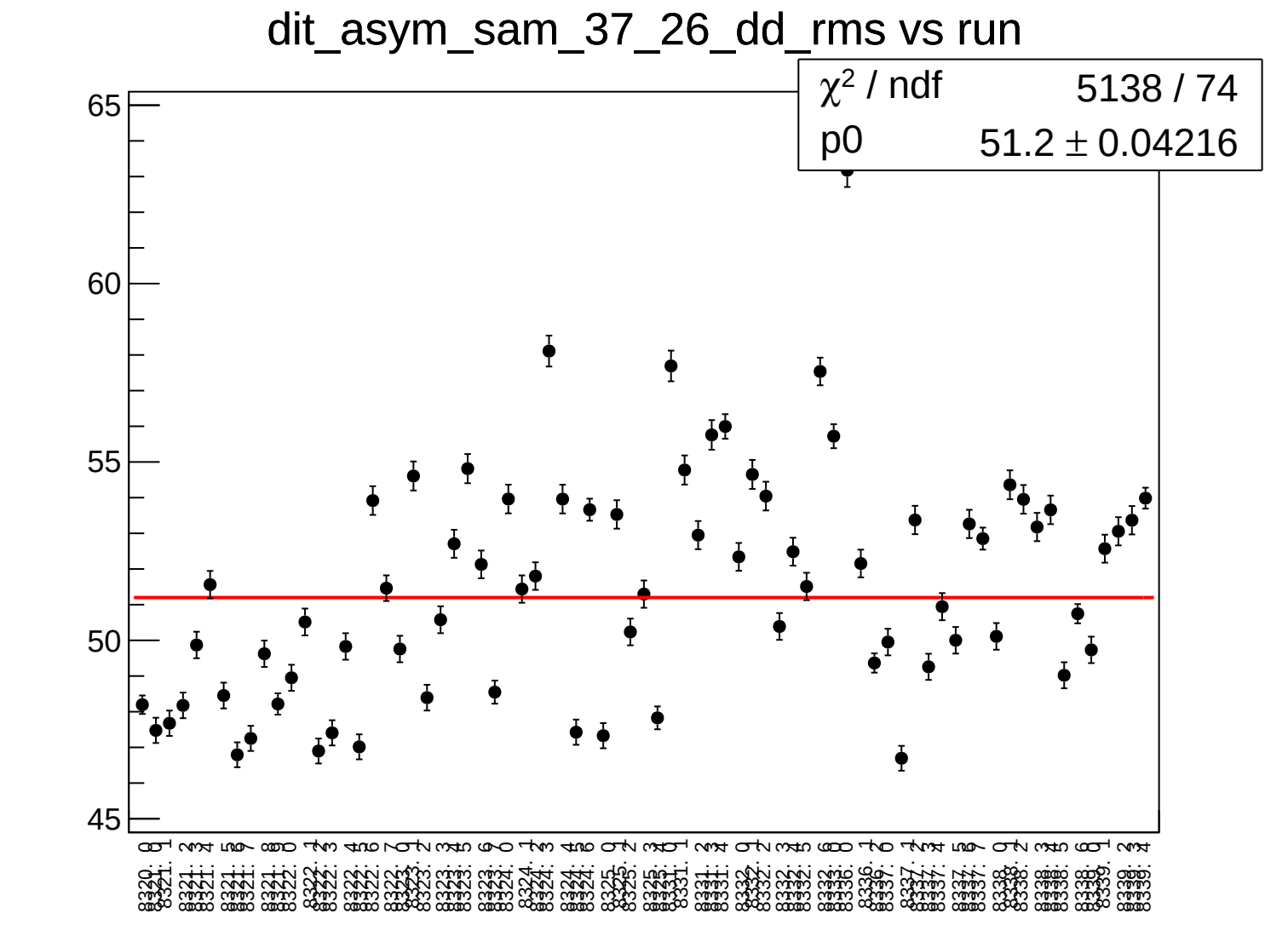

asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 89.58 / 74
p0 −1194 ± 259.8
10000
5000
0
−5000
−10000
pull
Entries 75
Mean −25.45
Std Dev 0
3
2
1
0
−1
−2
−3

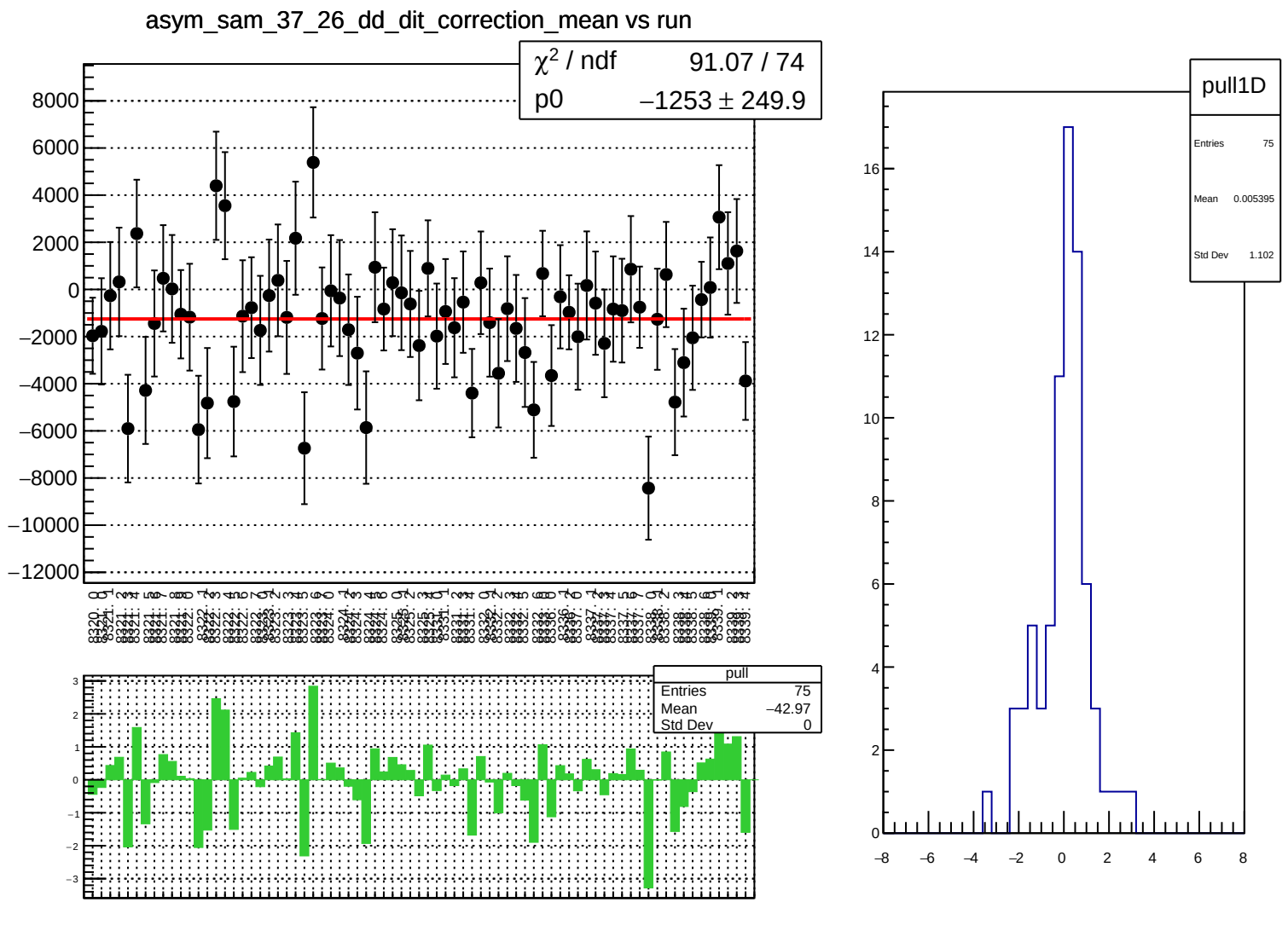

pull1D
Entries 75
Mean 0.004803
Std Dev 1.093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

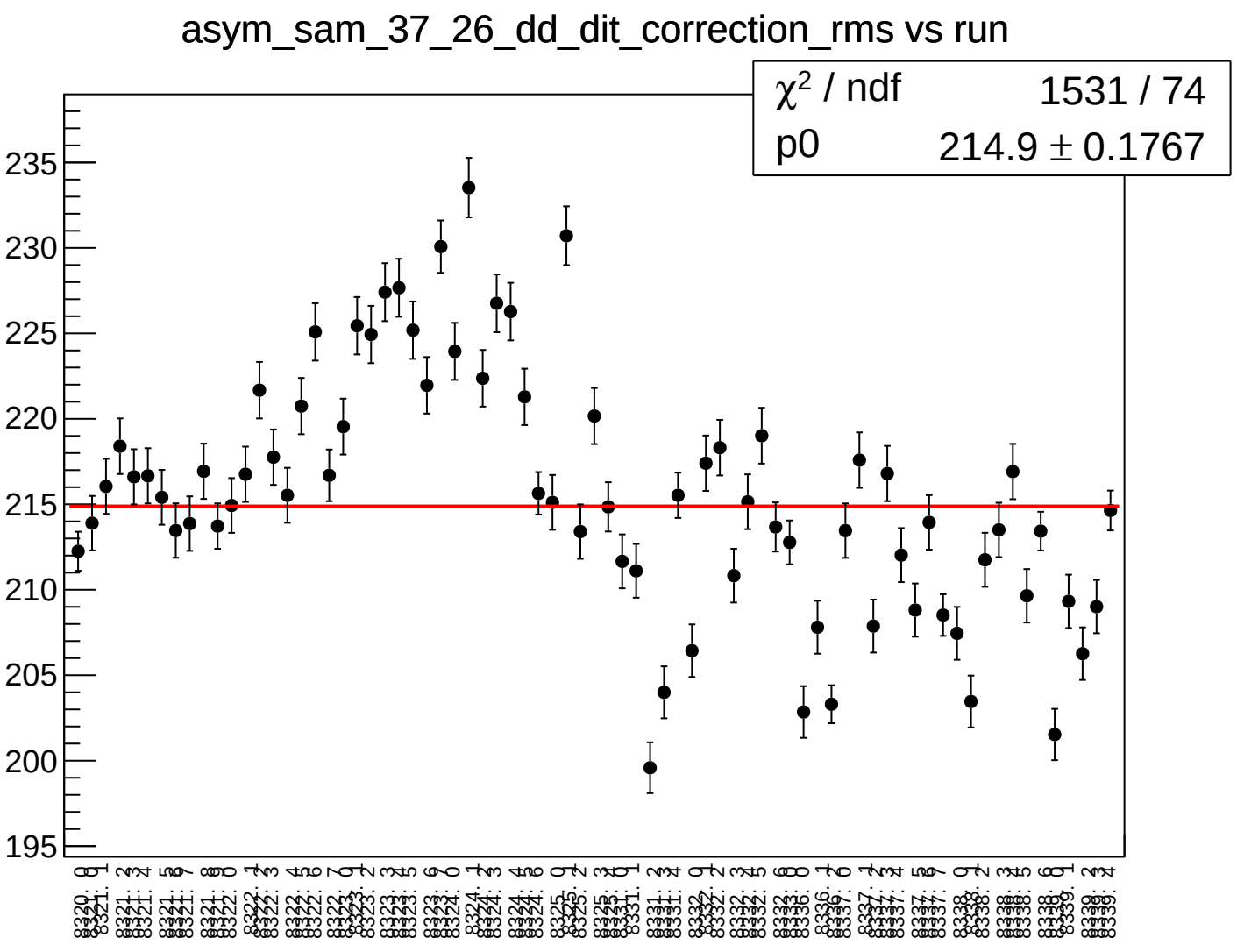

asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3851 / 74
p0 223.2 ± 0.1837
250
240
230
220
210
200

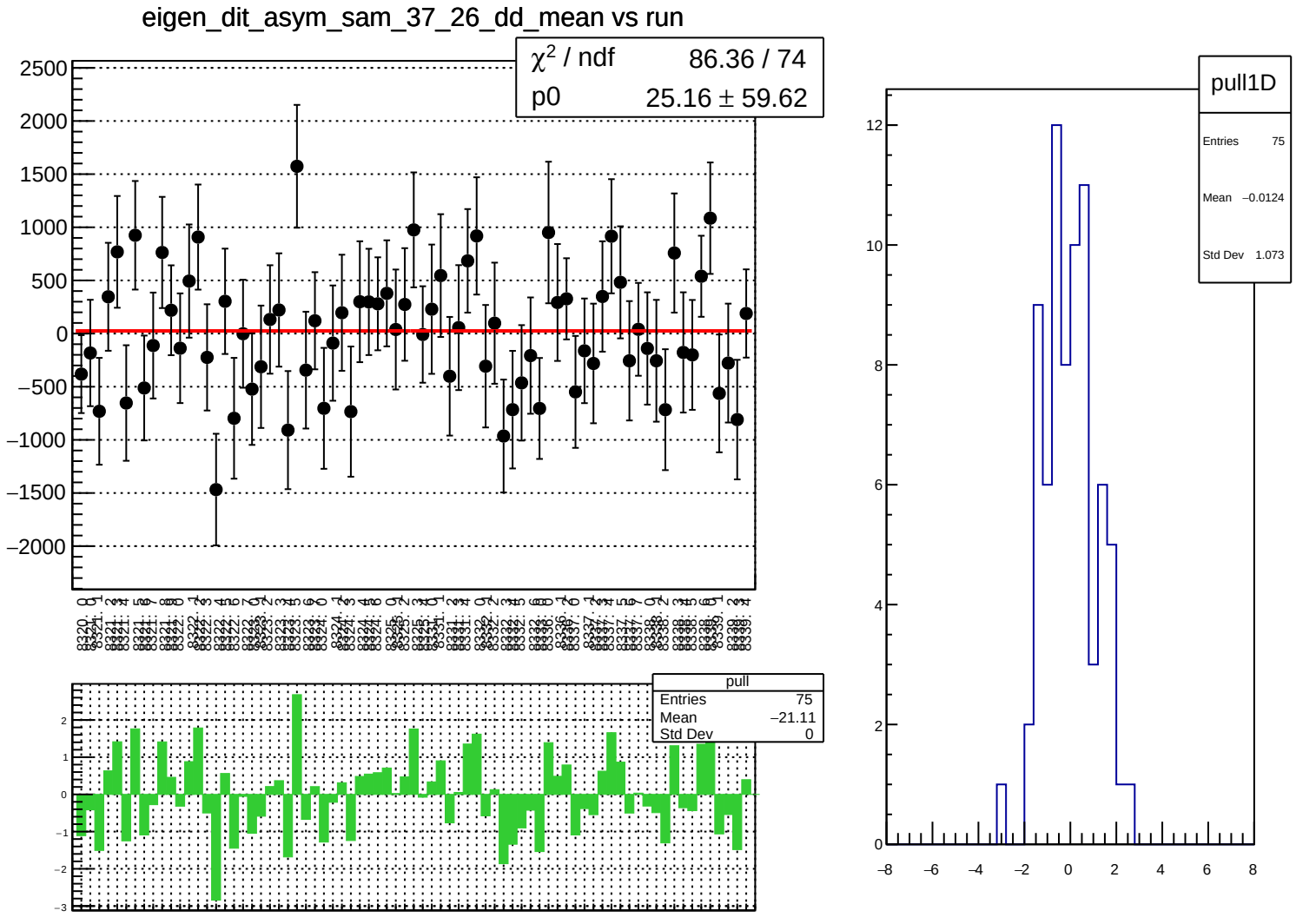

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 86.35 / 74
p0 25.16 ± 59.62
pull
Entries 75
Mean −21.11
Std Dev 0

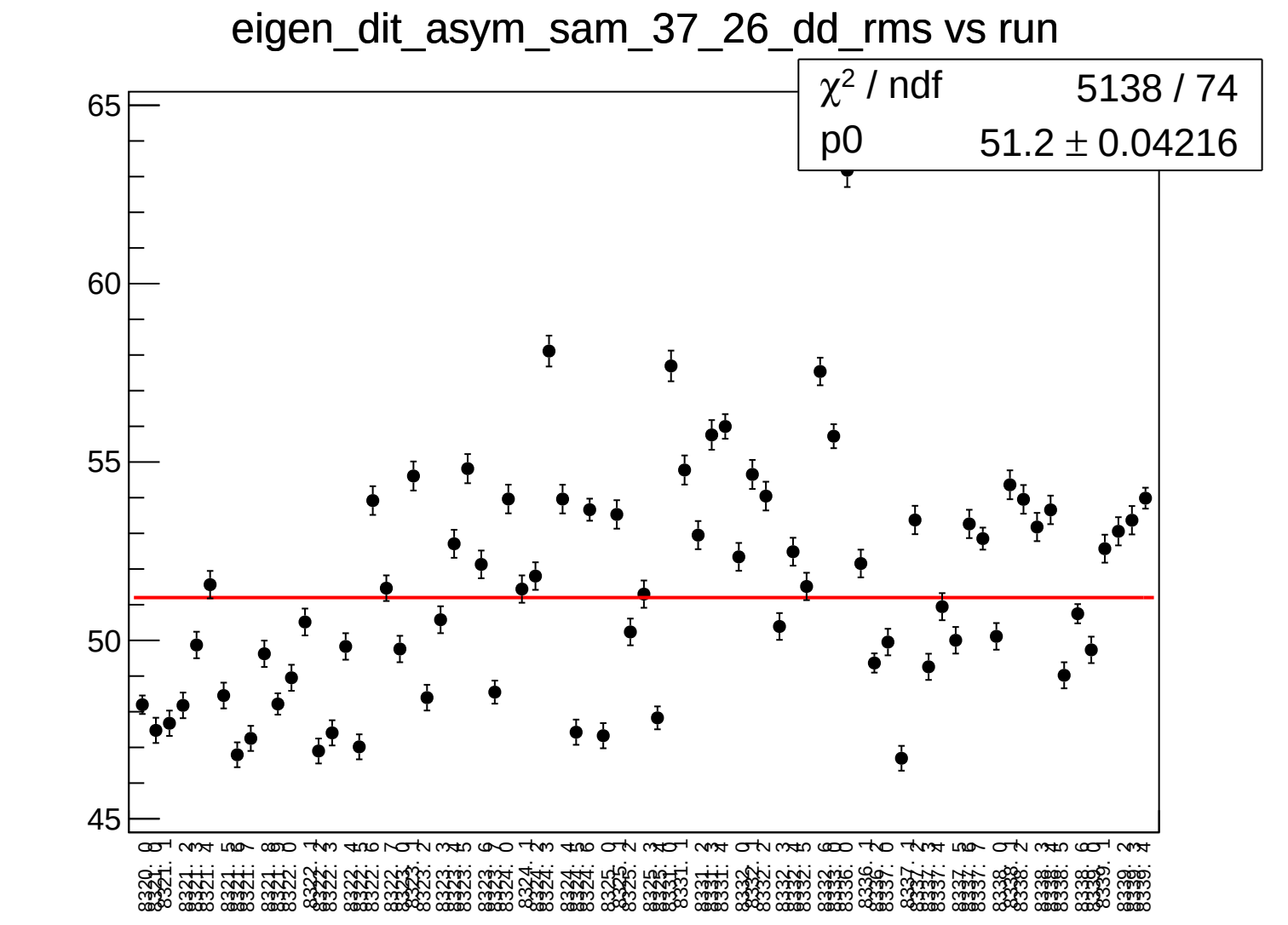

pull1D
Entries 75
Mean −0.0124
Std Dev 1.073

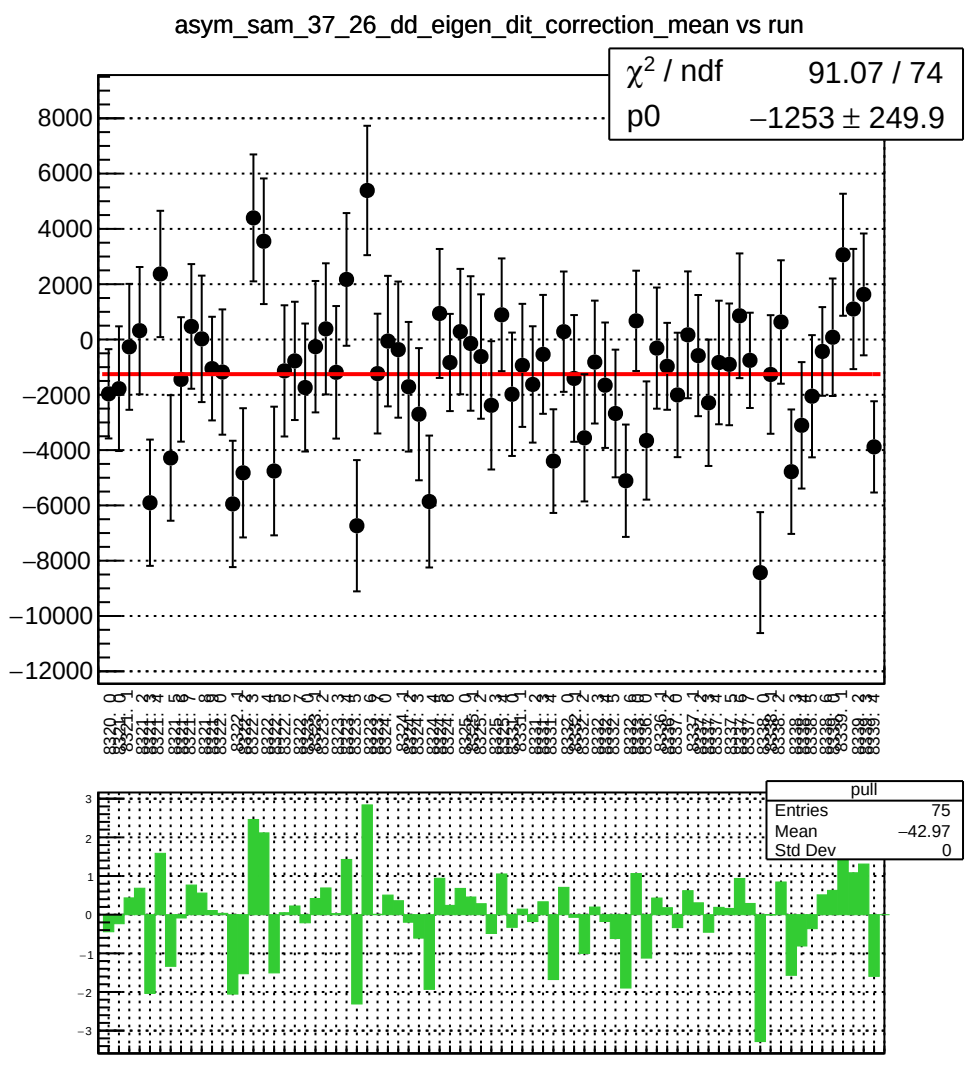

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5138 / 74
p0 51.2 ± 0.04216
65
60
55
50
45

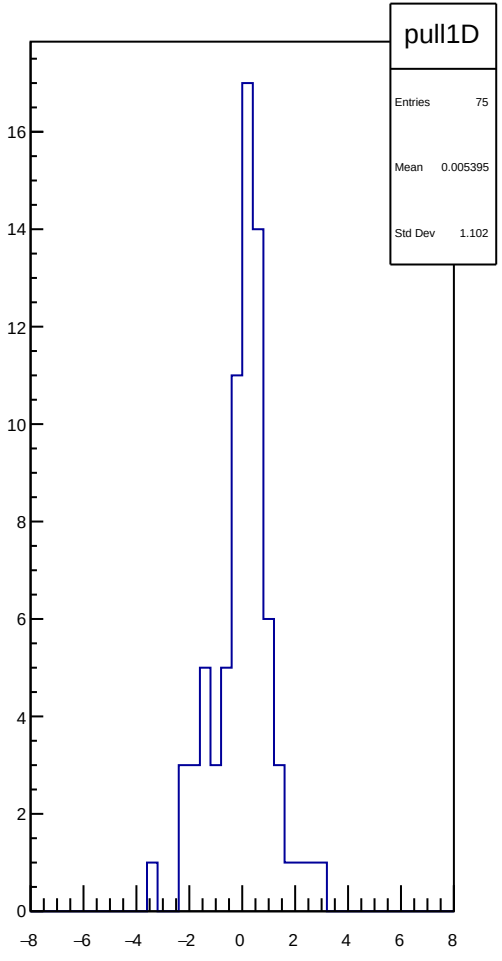

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 91.07 / 74
p0 −1253 ± 249.9
pull
Entries 75
Mean −42.97
Std Dev 0
pull1D
Entries 75
Mean 0.005395
Std Dev 1.102

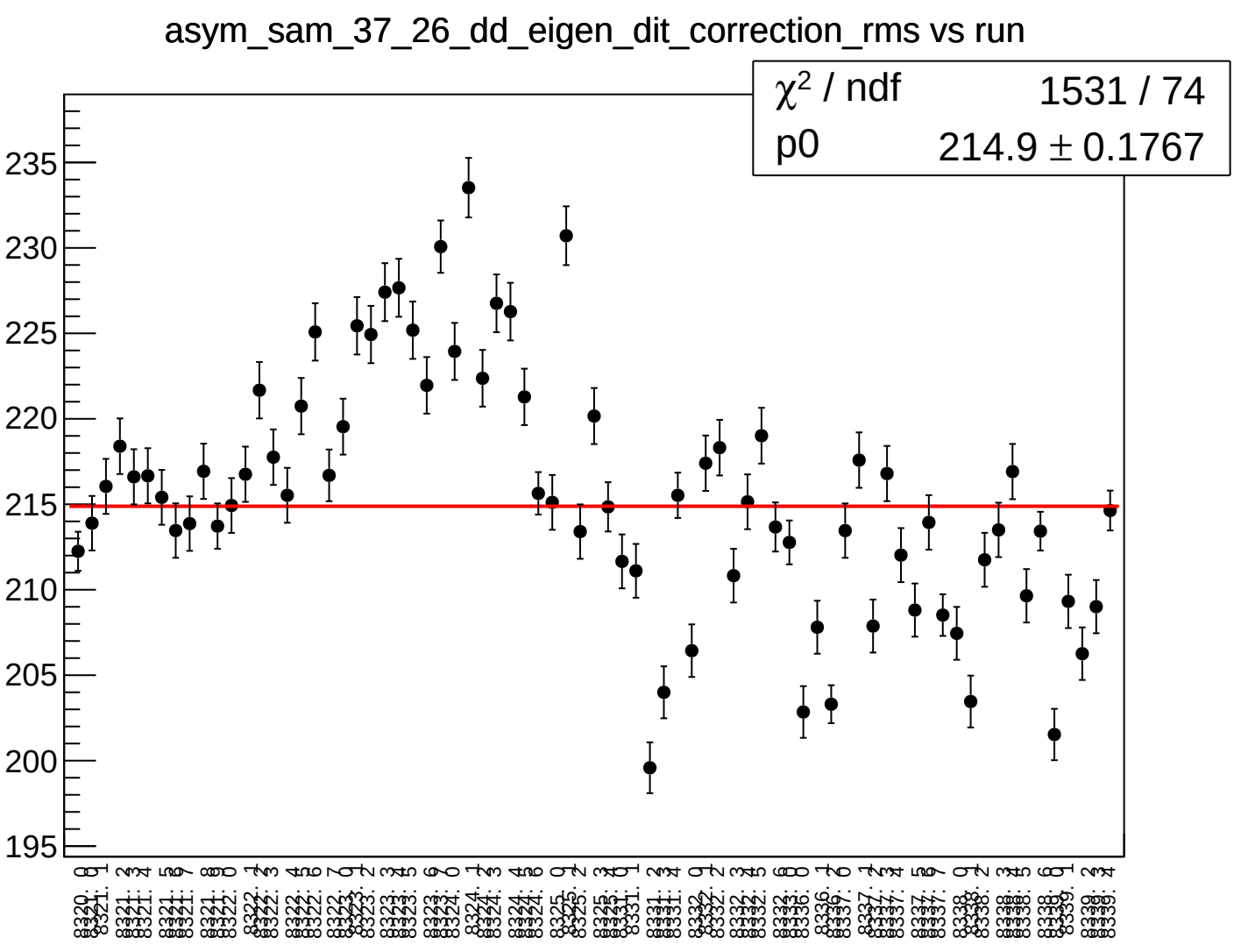

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1531 / 74
p0 214.9 ± 0.1767
235
230
225
220
215
210
205
200
195

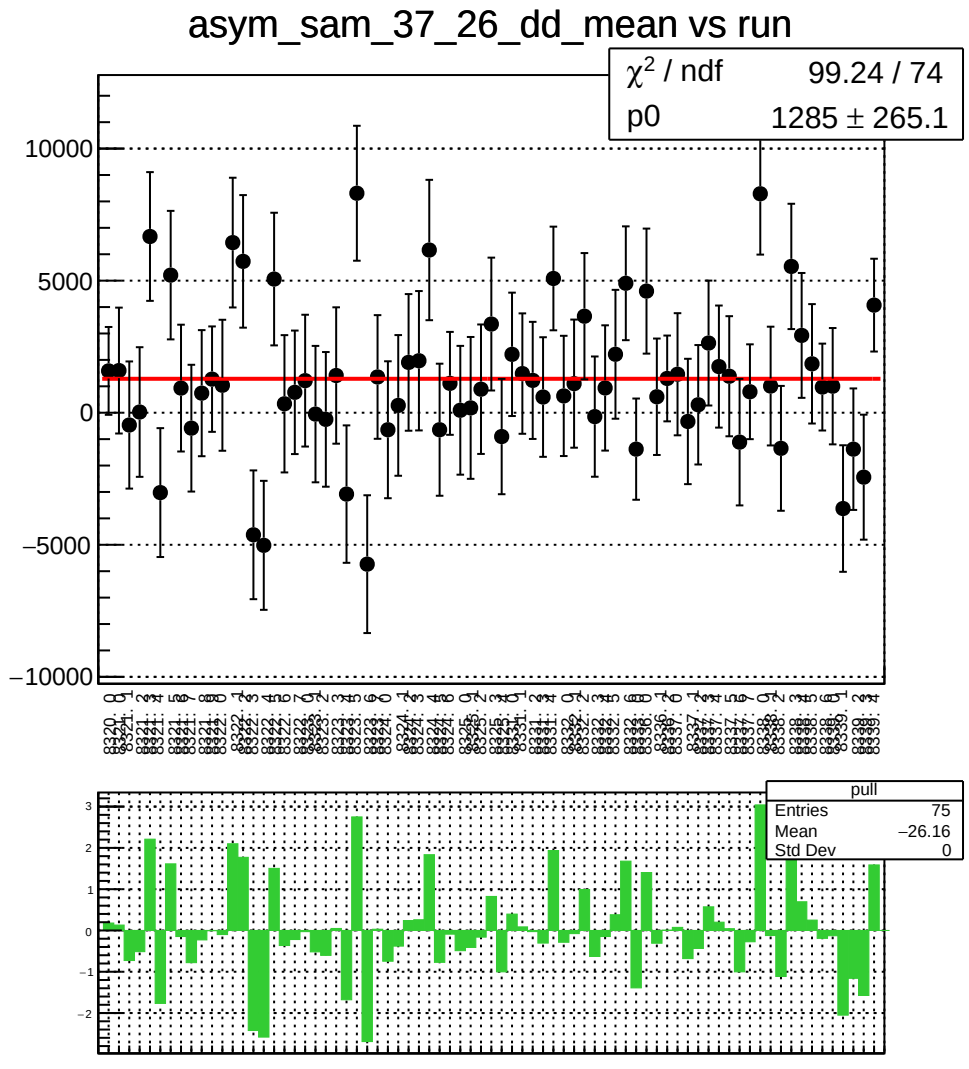

eigen_dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 86.36 / 74
p0 25.16 ± 59.62
pull
Entries 75
Mean −21.11
Std Dev 0
pull1D
Entries 75
Mean −0.0124
Std Dev 1.073

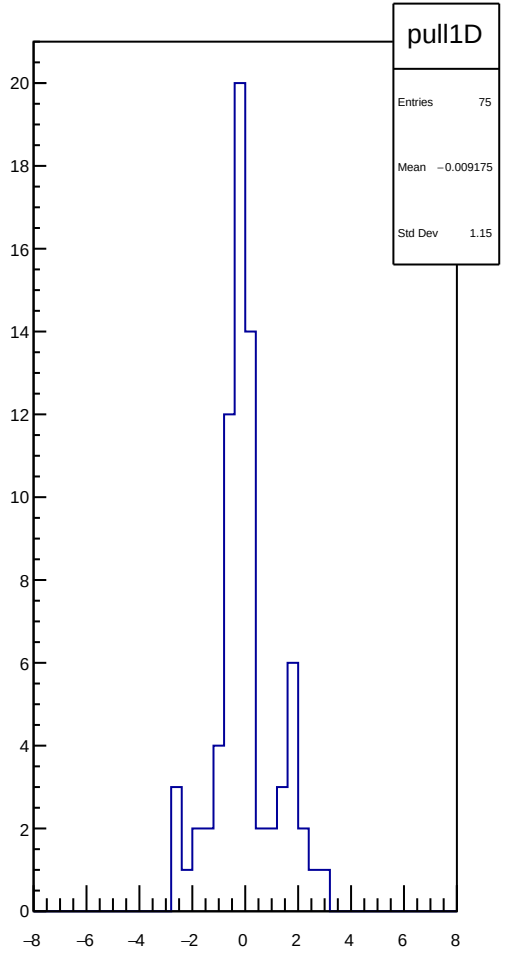

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5138 / 74
p0 51.2 ± 0.04216
65
60
55
50
45

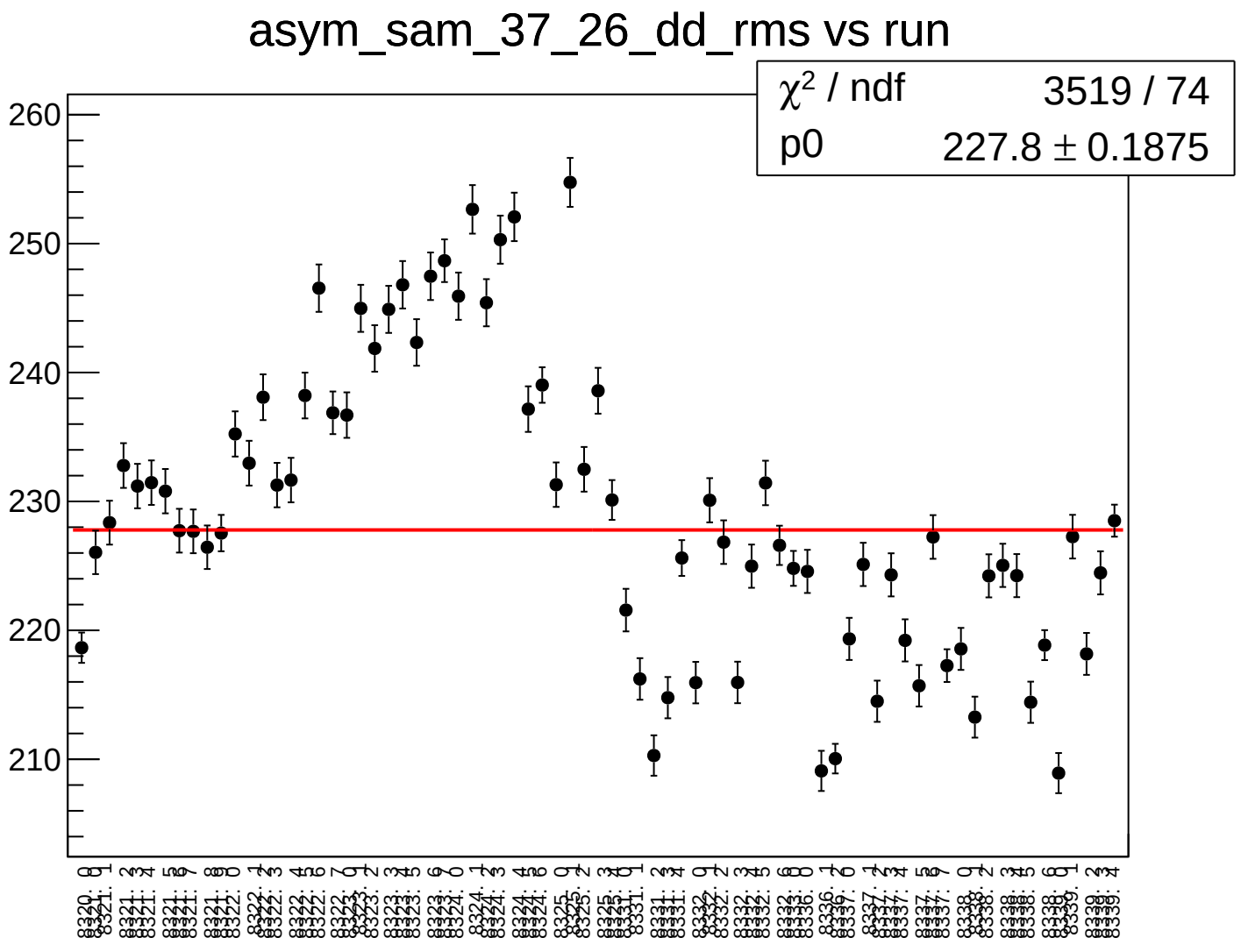

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 91.07 / 74
p0 −1253 ± 249.9
pull
Entries 75
Mean −42.97
Std Dev 0

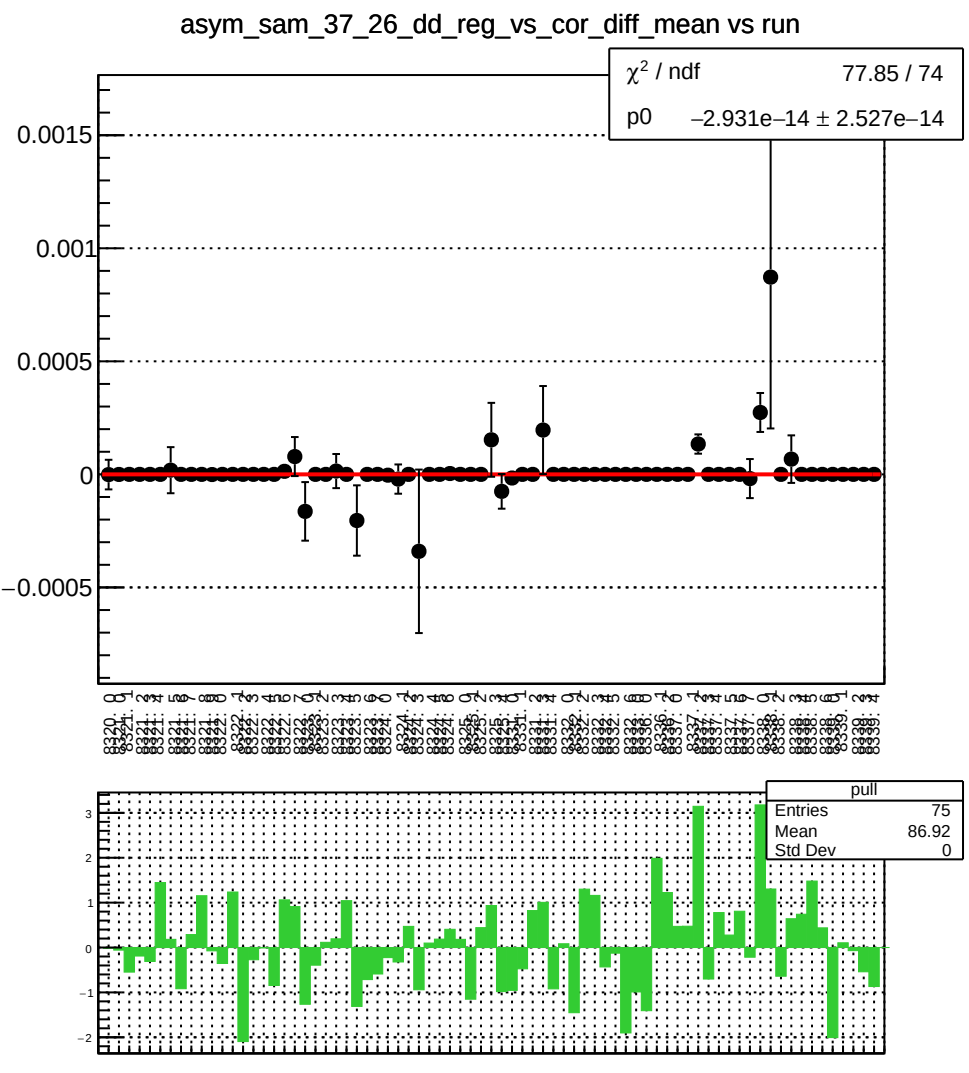

pull1D
Entries 75
Mean 0.005395
Std Dev 1.102

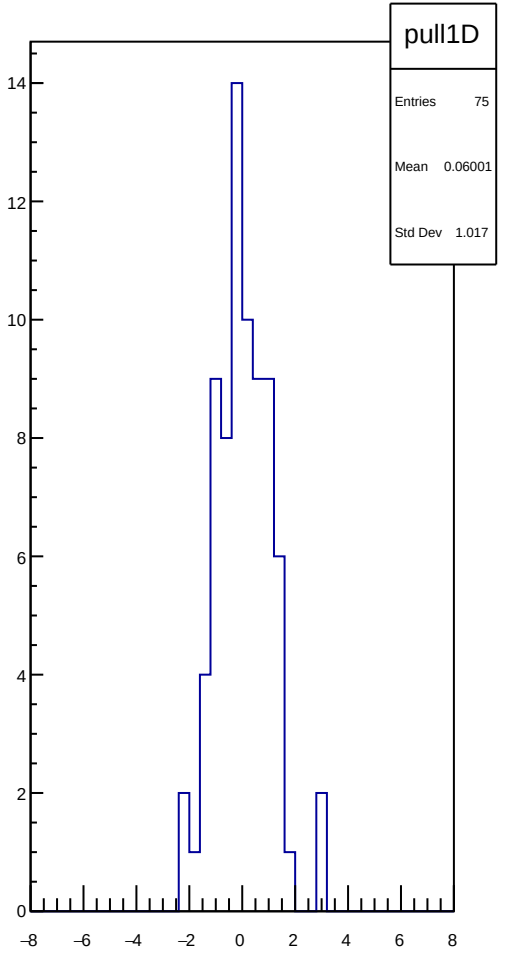

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1531 / 74
p0 214.9 ± 0.1767
235
230
225
220
215
210
205
200
195

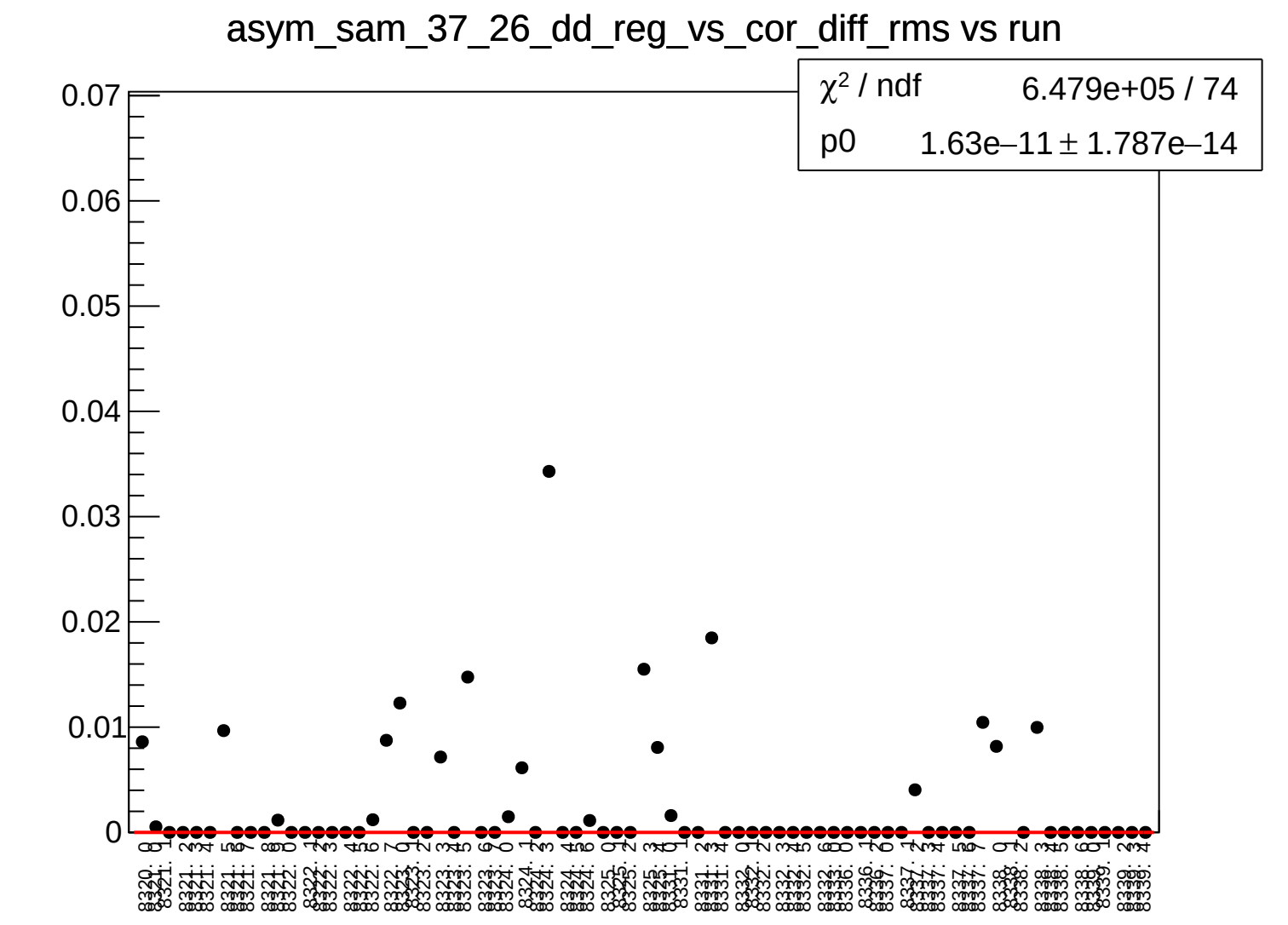

asym_sam_37_26_dd_mean vs run
χ² / ndf 99.24 / 74
p0 1285 ± 265.1
pull
Entries 75
Mean −26.16
Std Dev 0

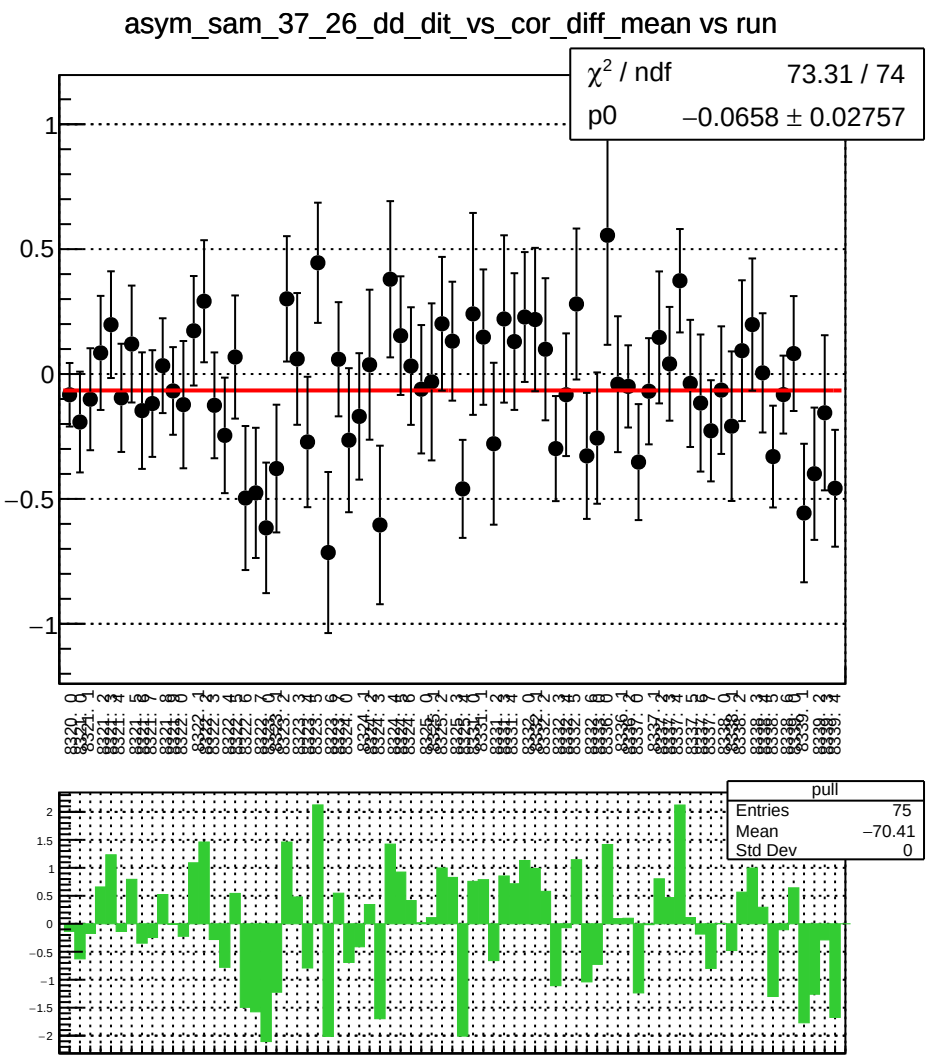

pull1D
Entries 75
Mean −0.009175
Std Dev 1.15

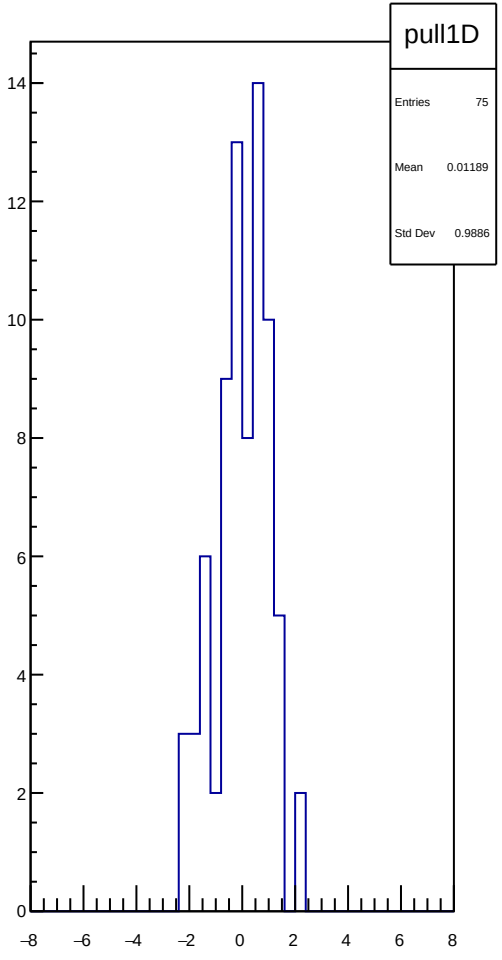

asym_sam_37_26_dd_rms vs run
χ² / ndf 3519 / 74
p0 227.8 ± 0.1875
260
250
240
230
220
210

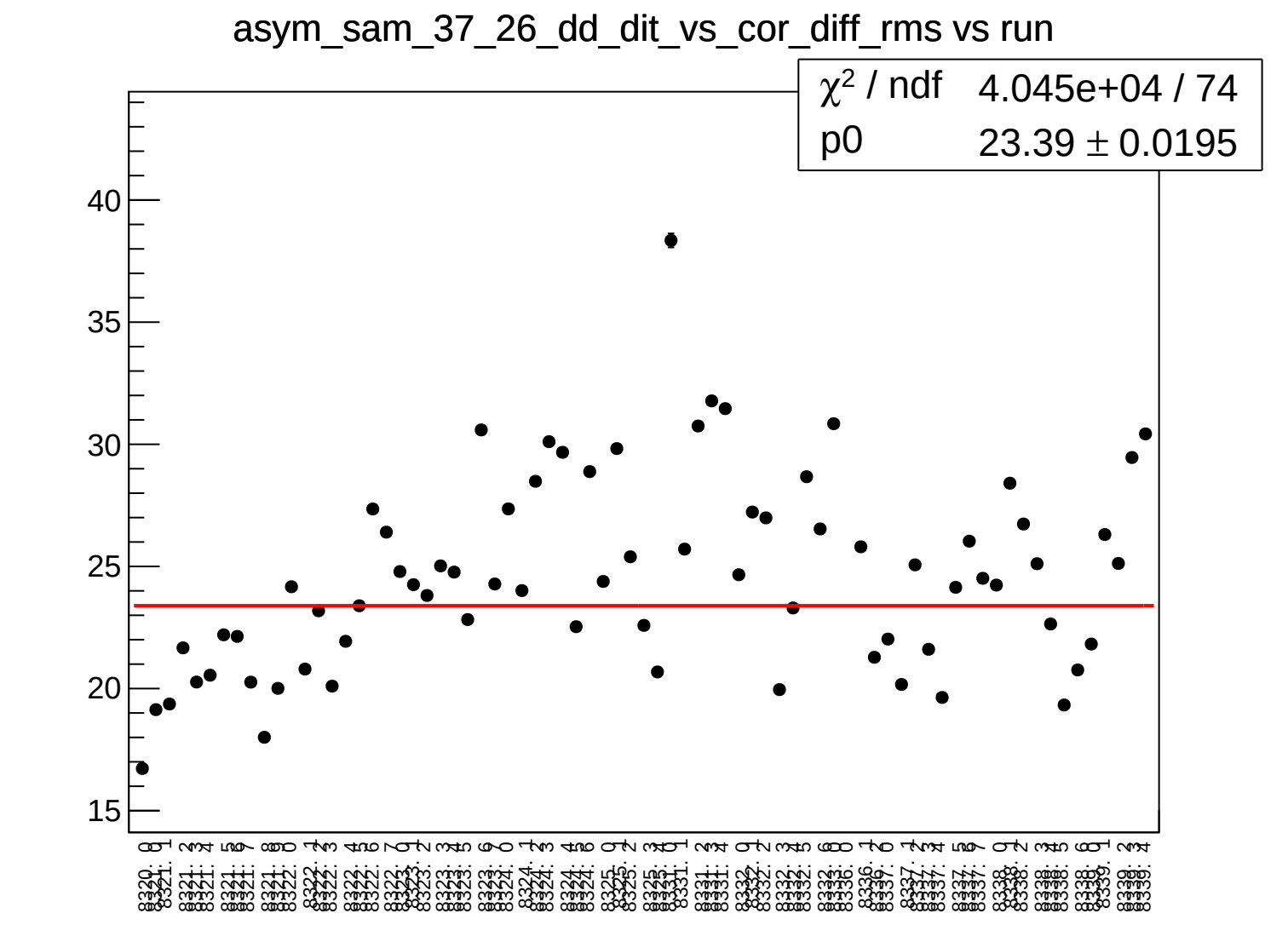

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 77.85 / 74
p0 −2.931e−14 ± 2.527e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 75
Mean 86.92
Std Dev 0
3
2
1
0
−1
−2

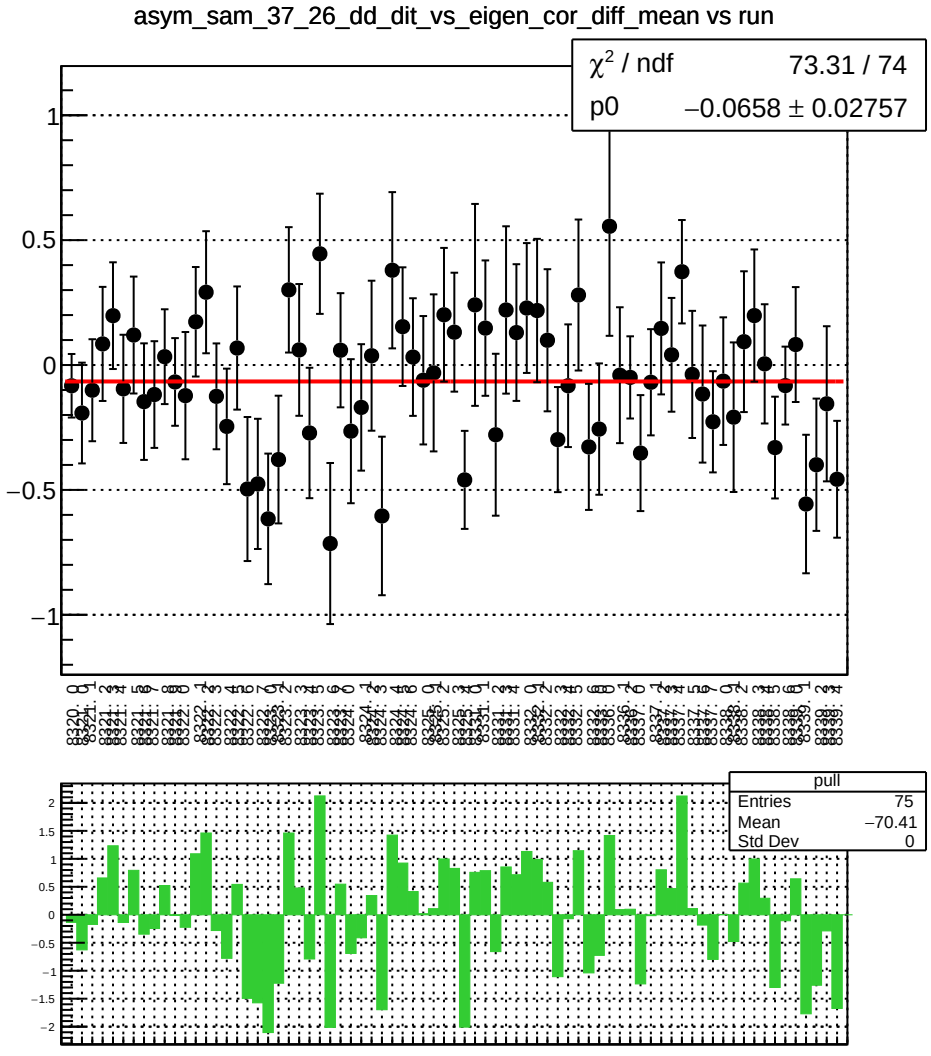

pull1D
Entries 75
Mean 0.06001
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

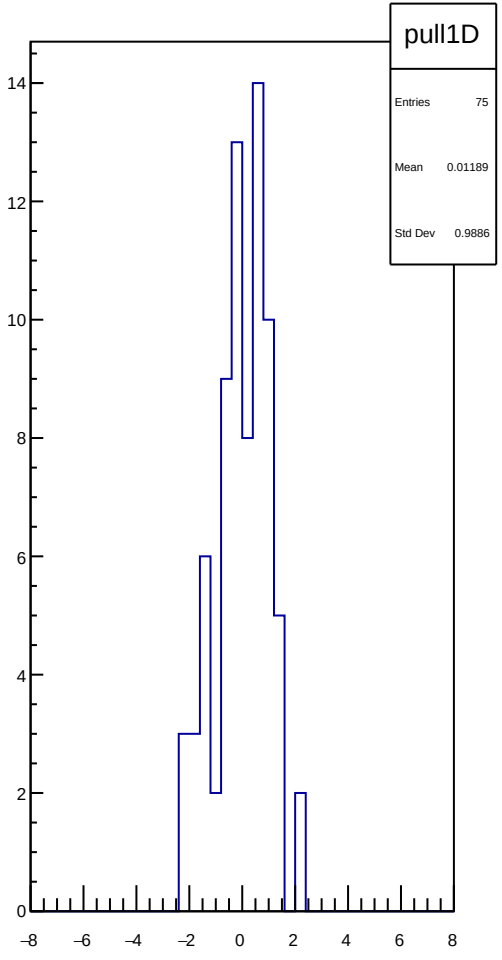

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.479e+05 / 74
p0 1.63e−11 ± 1.787e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0

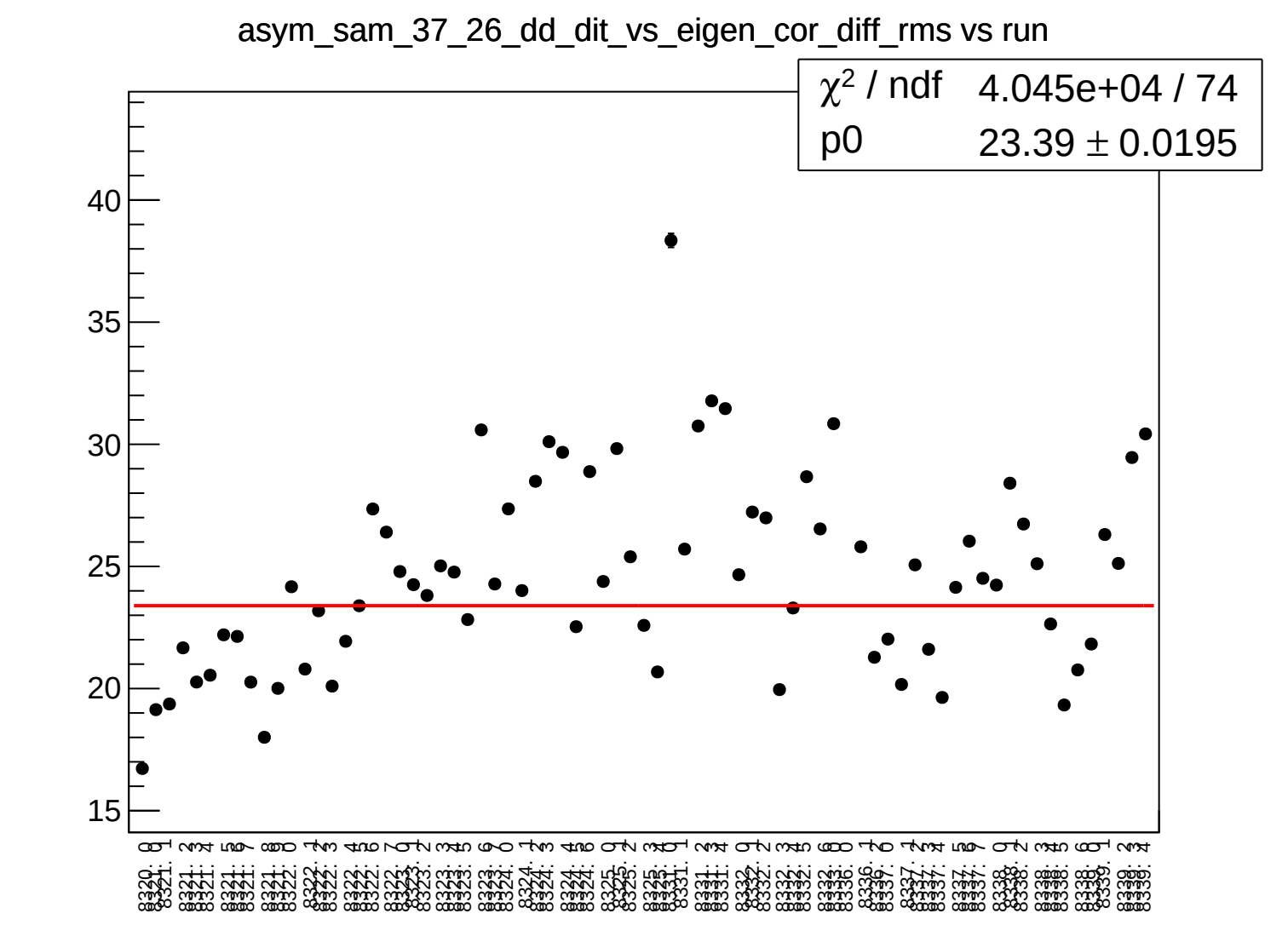

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 73.31 / 74
p0 −0.0658 ± 0.02757
pull
Entries 75
Mean −70.41
Std Dev 0

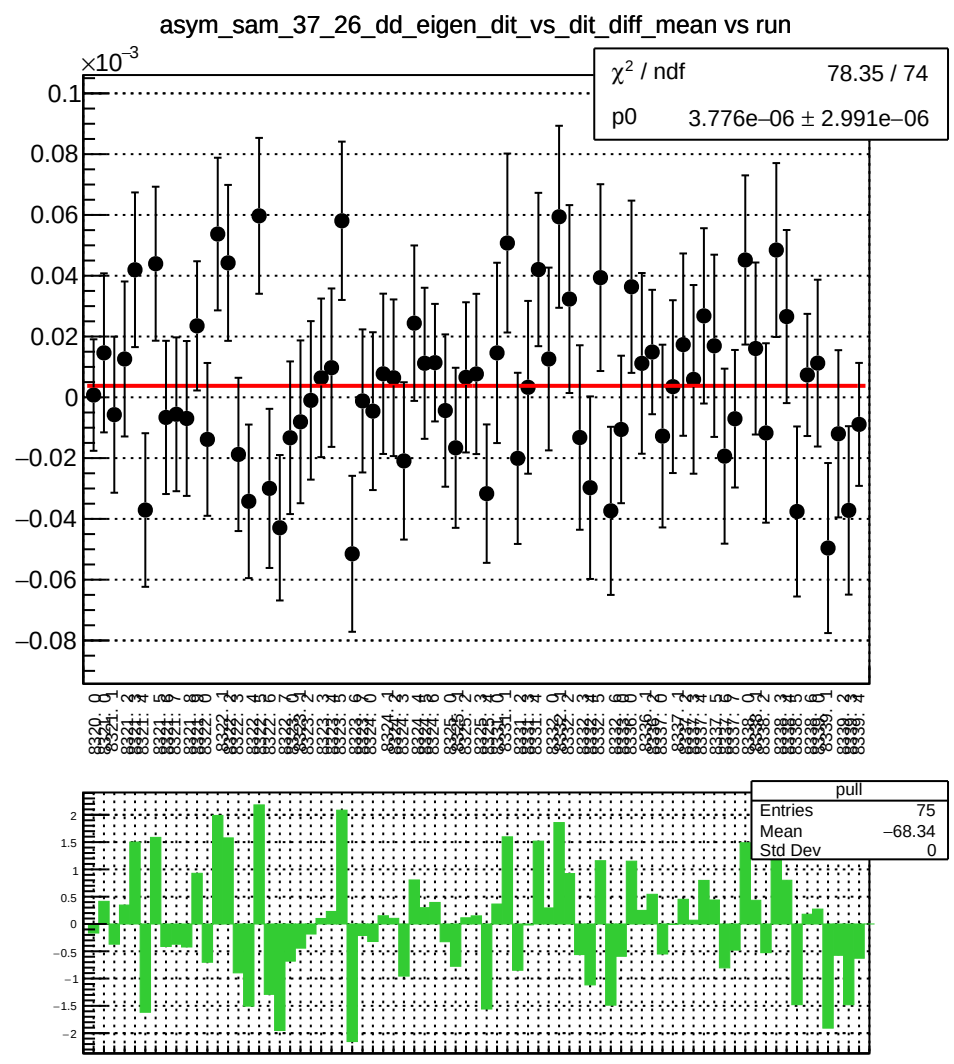

pull1D
Entries 75
Mean 0.01189
Std Dev 0.9886

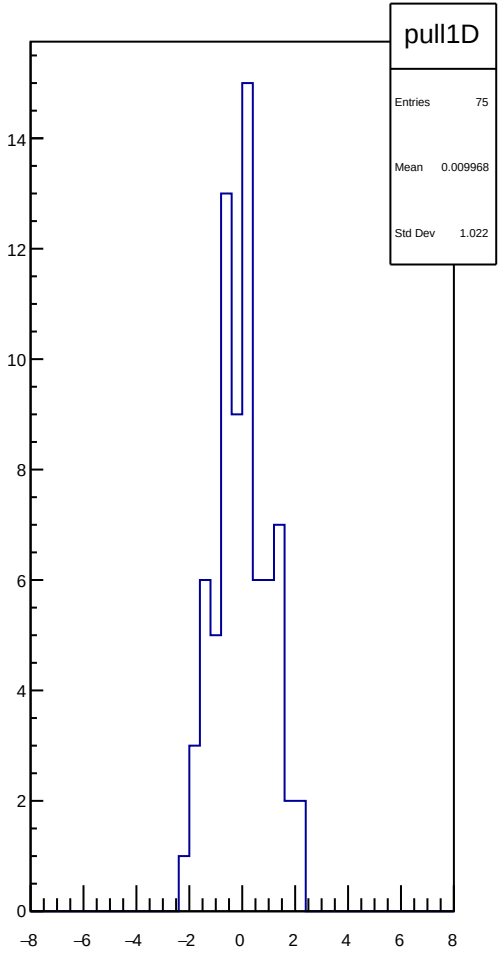

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 74
p0 23.39 ± 0.0195
40
35
30
25
20
15

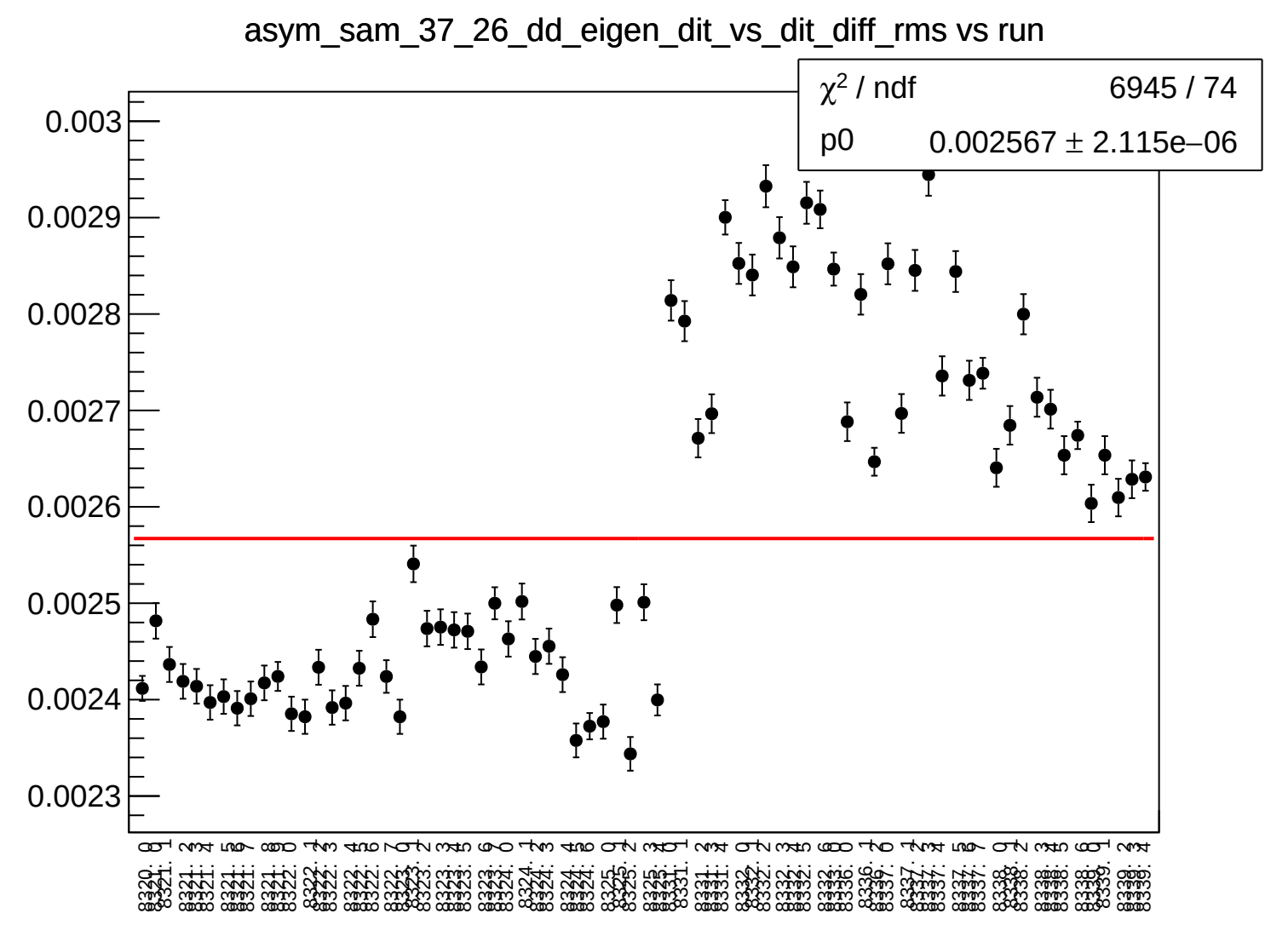

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.31 / 74
p0 −0.0658 ± 0.02757
pull
Entries 75
Mean −70.41
Std Dev 0

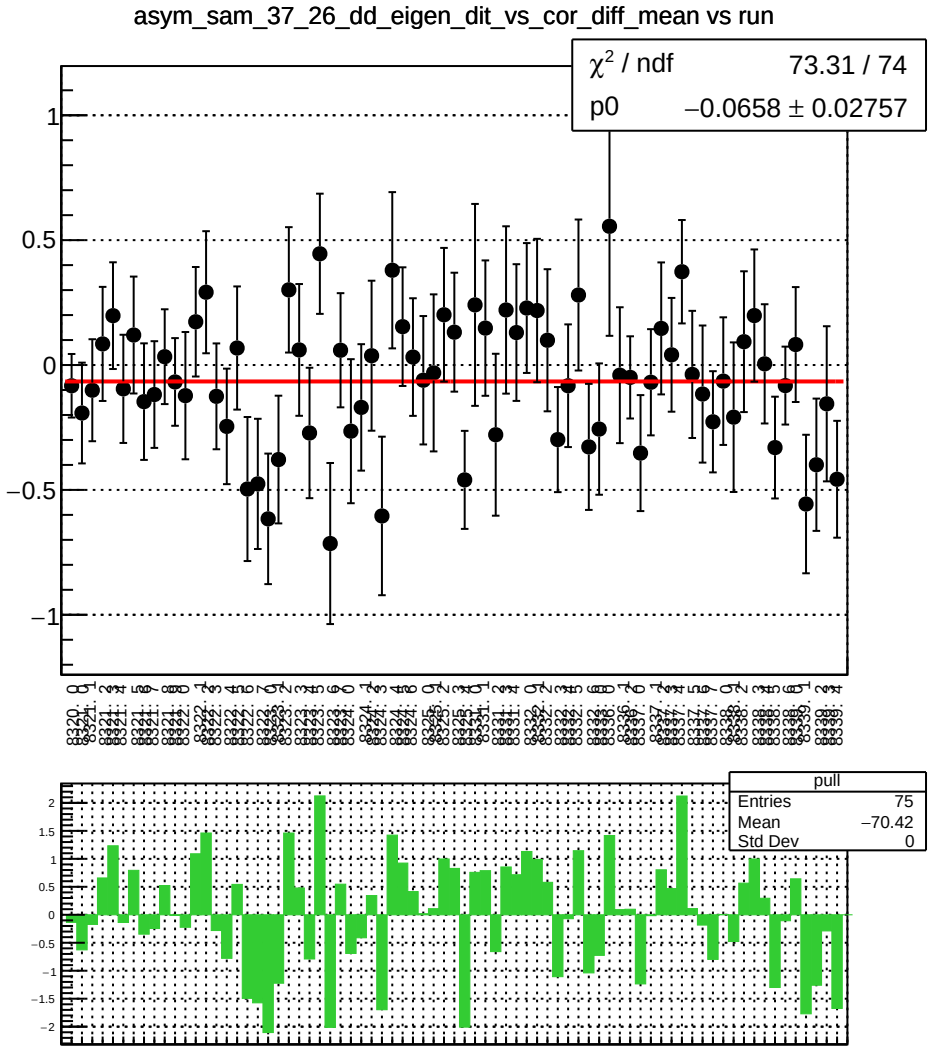

pull1D
Entries 75
Mean 0.01189
Std Dev 0.9886

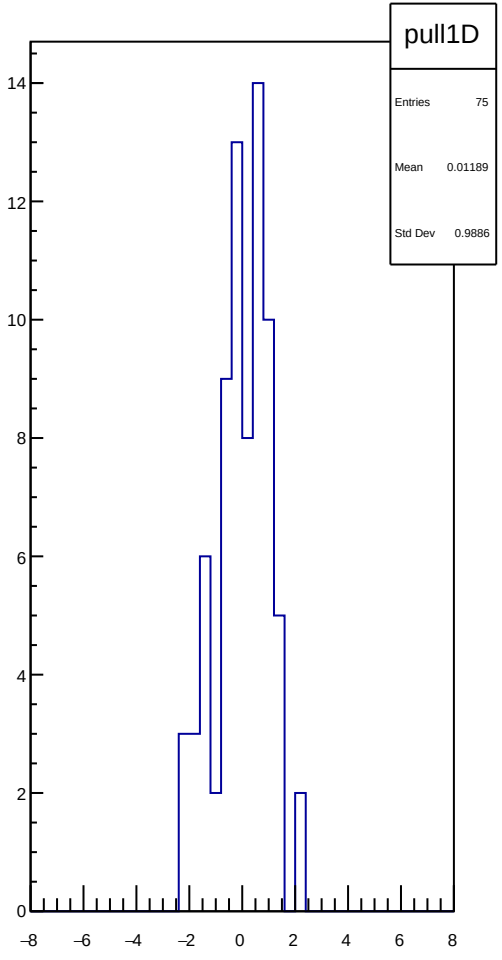

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 74
p0 23.39 ± 0.0195
40
35
30
25
20
15

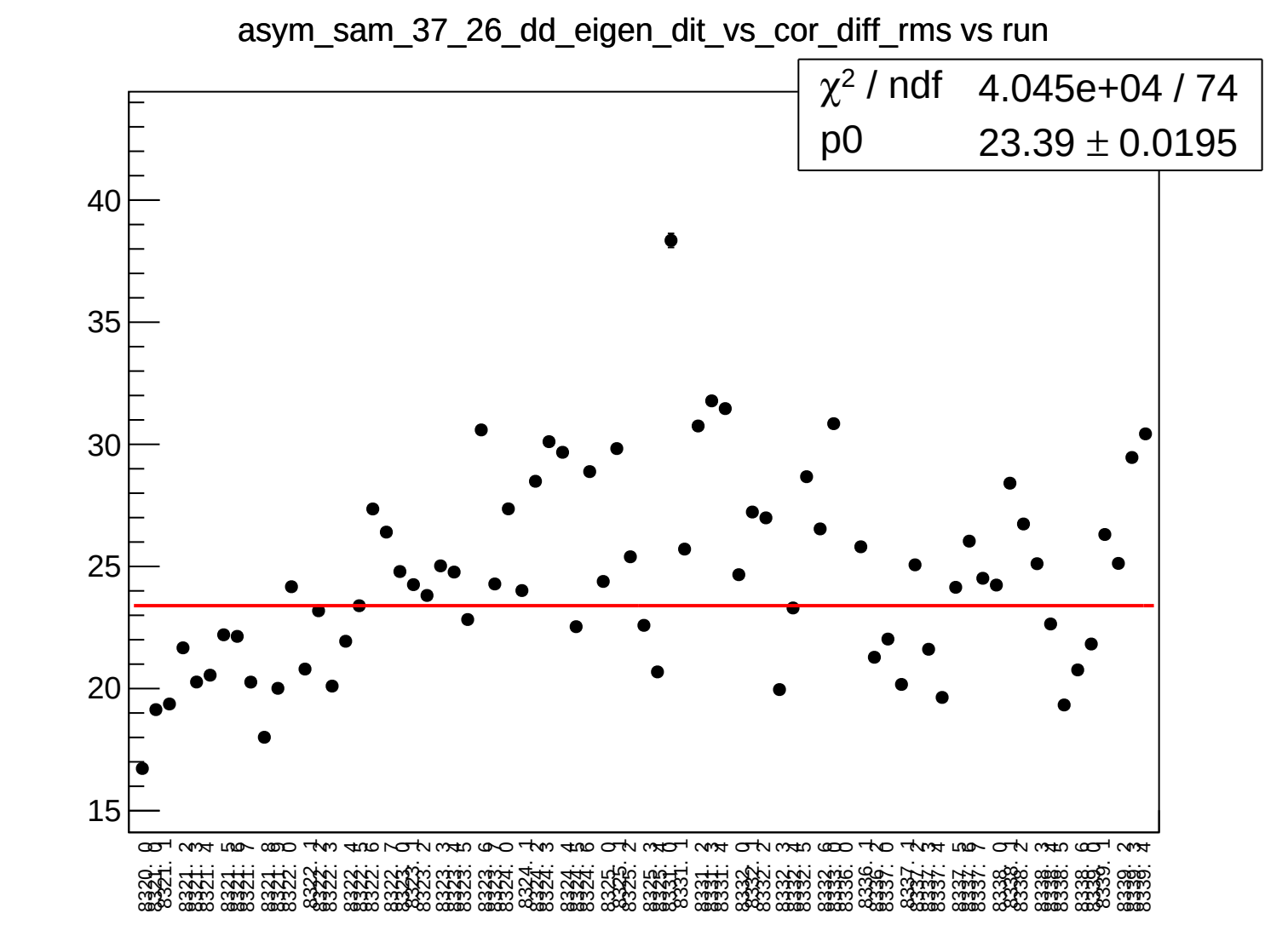

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 78.35 / 74
p0 3.776e−06 ± 2.991e−06
pull
Entries 75
Mean −68.34
Std Dev 0

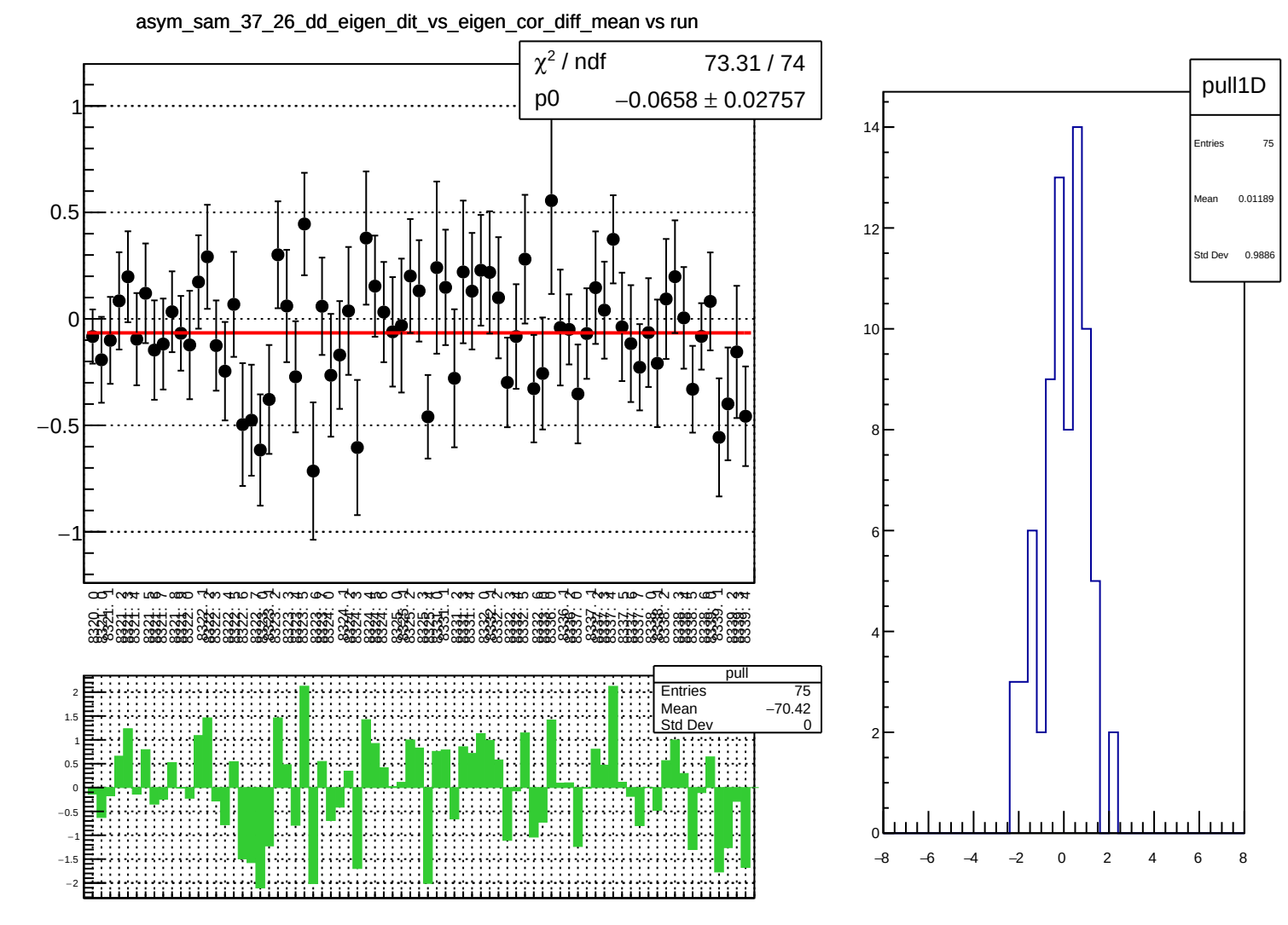

pull1D
Entries 75
Mean 0.009968
Std Dev 1.022

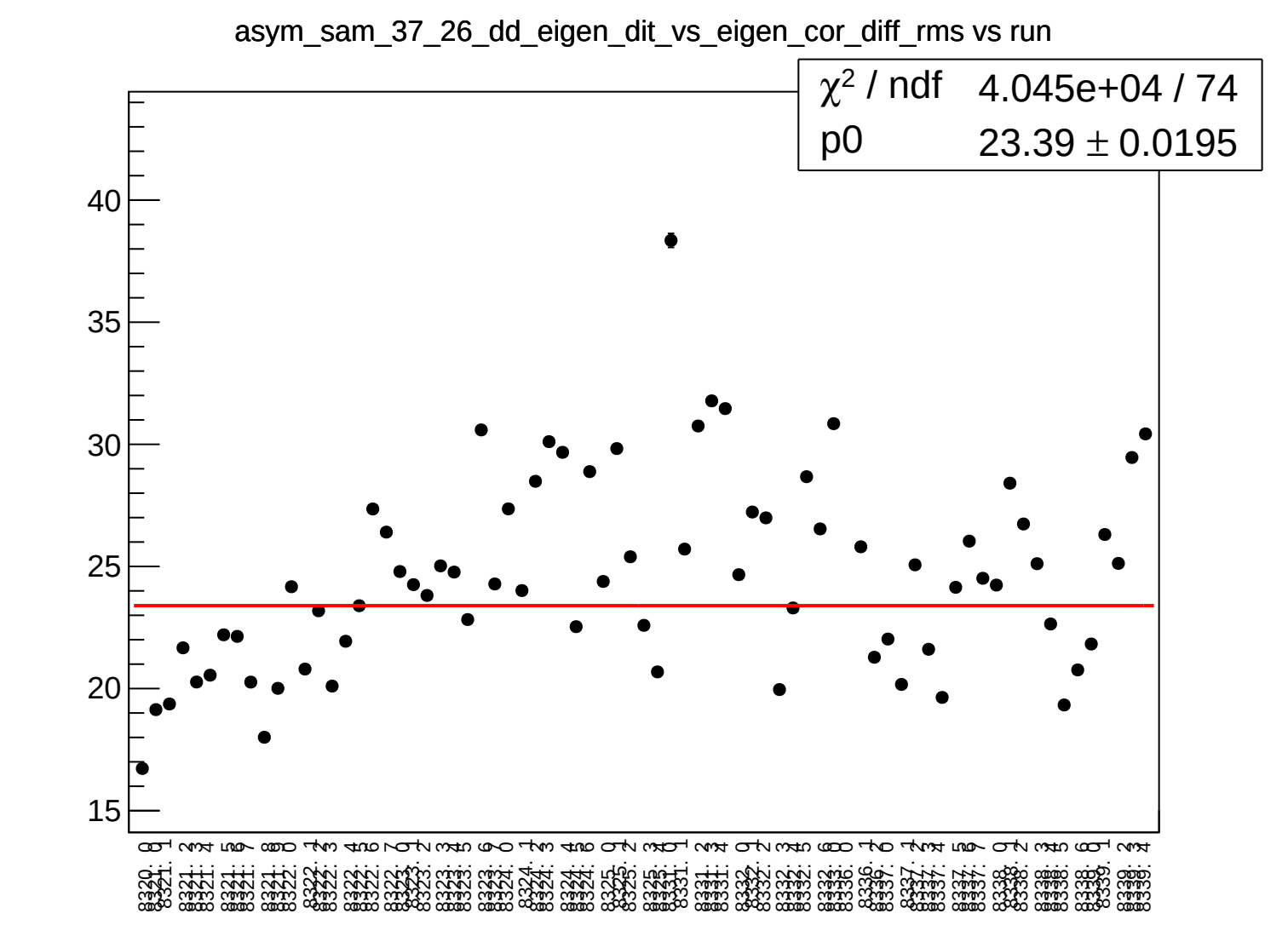

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6945 / 74
p0 0.002567 ± 2.115e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023

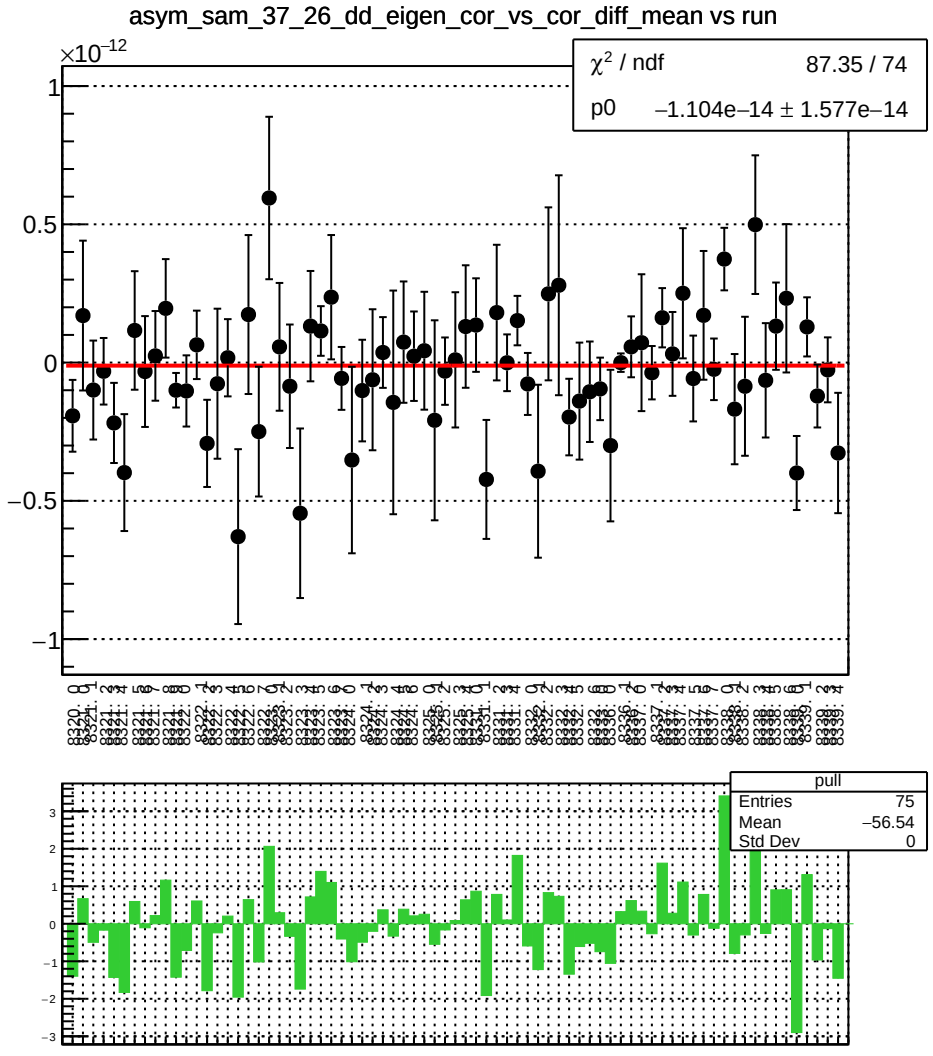

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 73.31 / 74
p0 −0.0658 ± 0.02757
pull
Entries 75
Mean −70.42
Std Dev 0

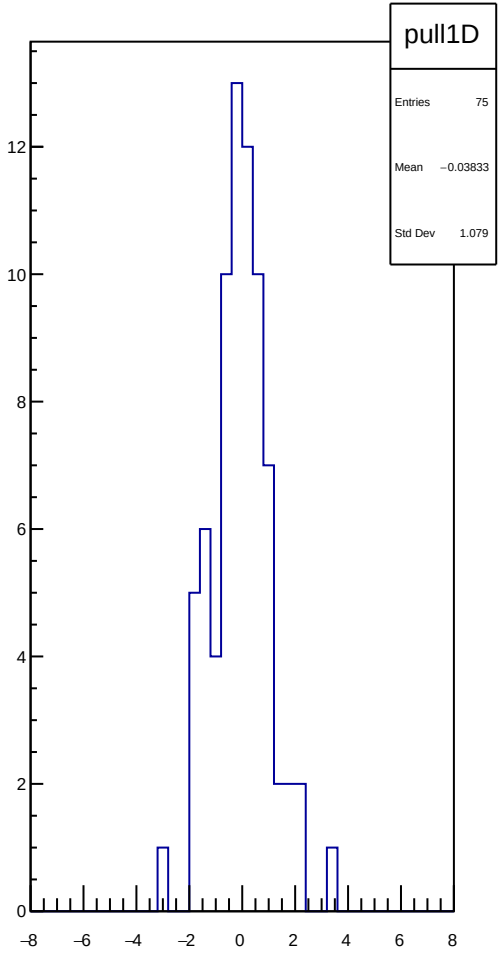

pull1D
Entries 75
Mean 0.01189
Std Dev 0.9886

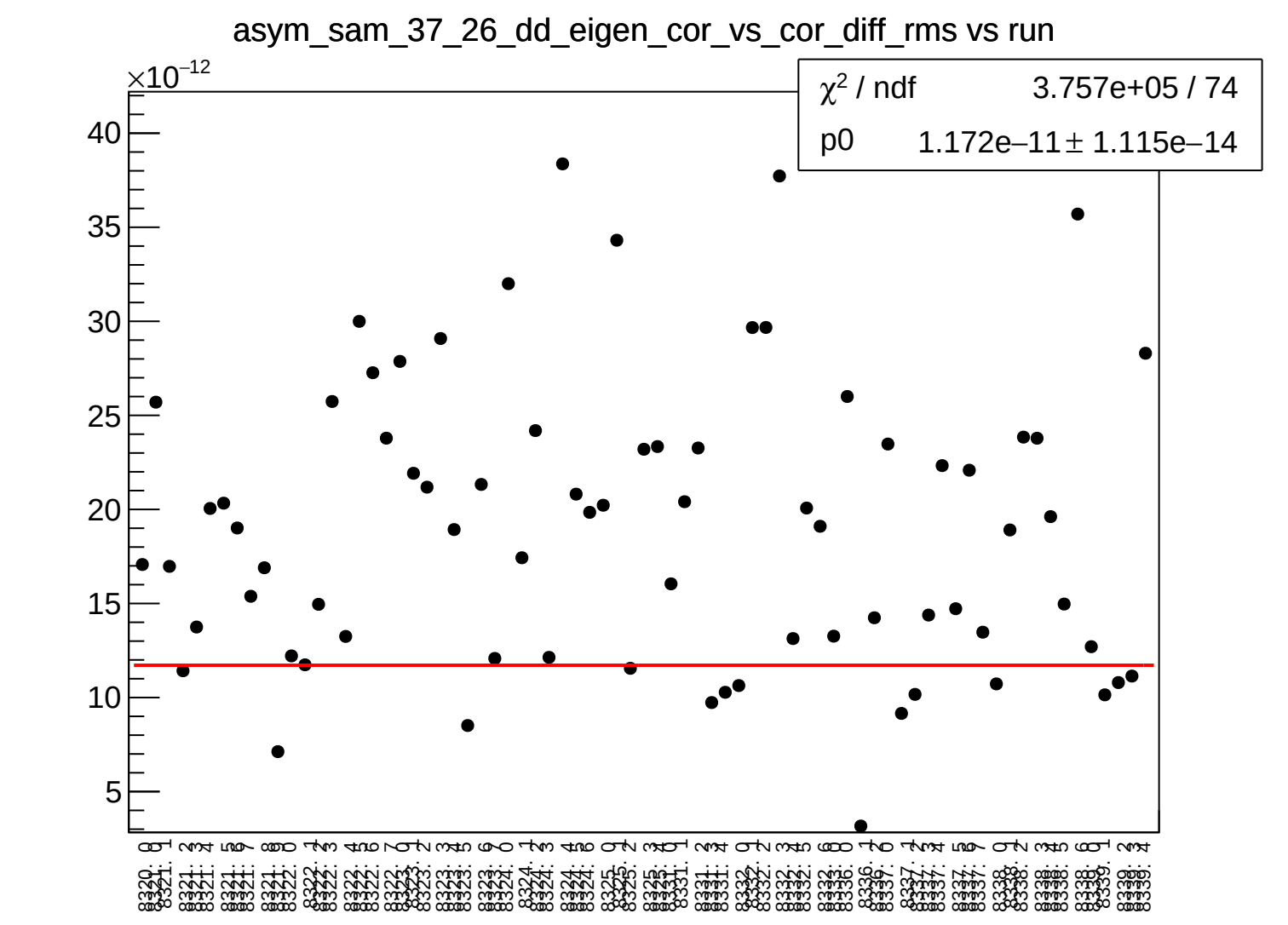

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 74
p0 23.39 ± 0.0195
40
35
30
25
20
15

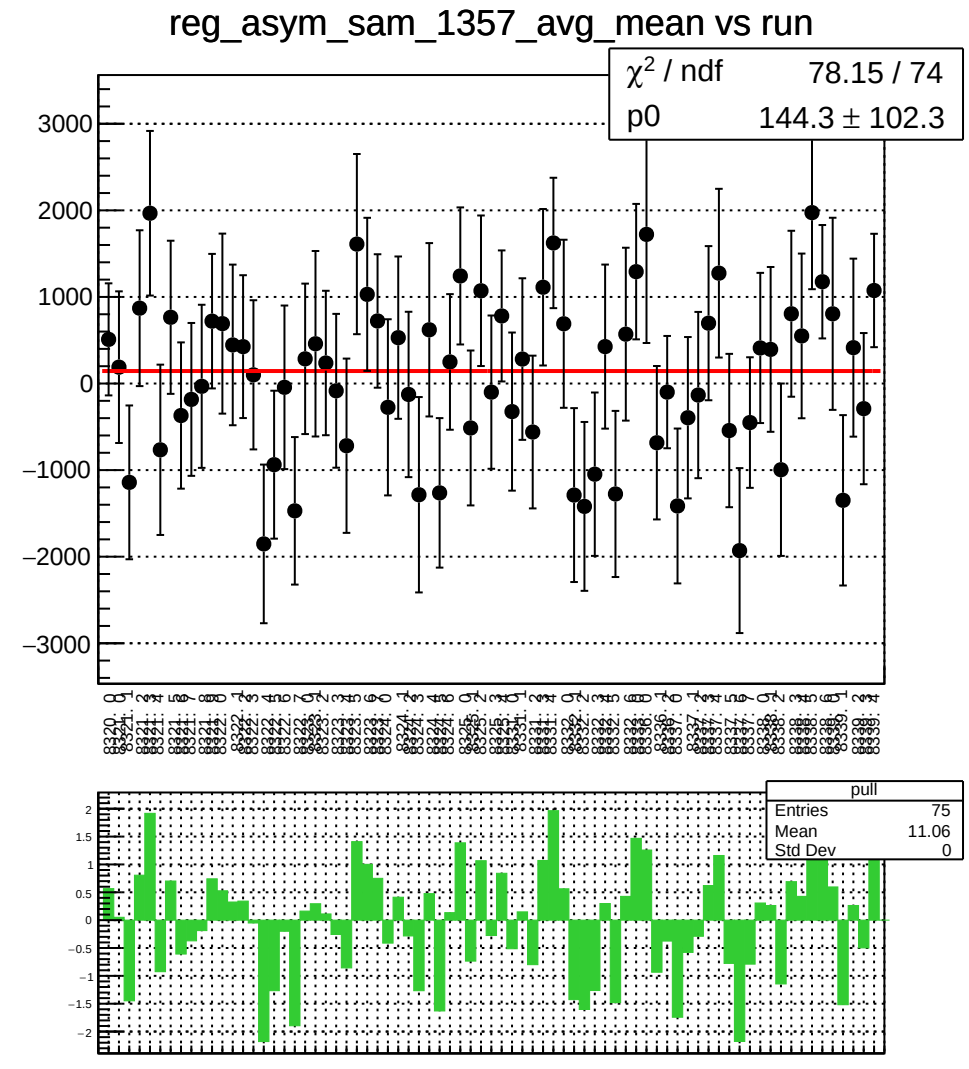

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 73.31 / 74
p0 −0.0658 ± 0.02757
pull
Entries 75
Mean −70.42
Std Dev 0
pull1D
Entries 75
Mean 0.01189
Std Dev 0.9886

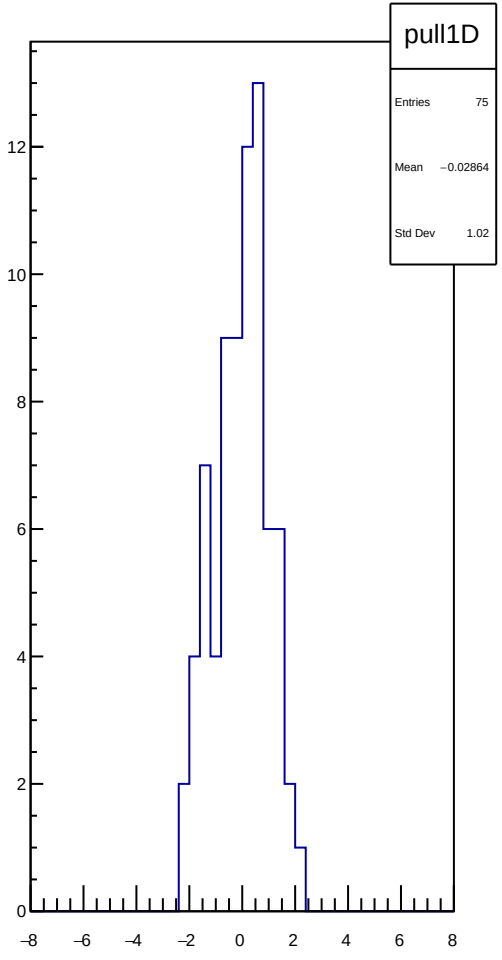

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.045e+04 / 74
p0 23.39 ± 0.0195
40
35
30
25
20
15

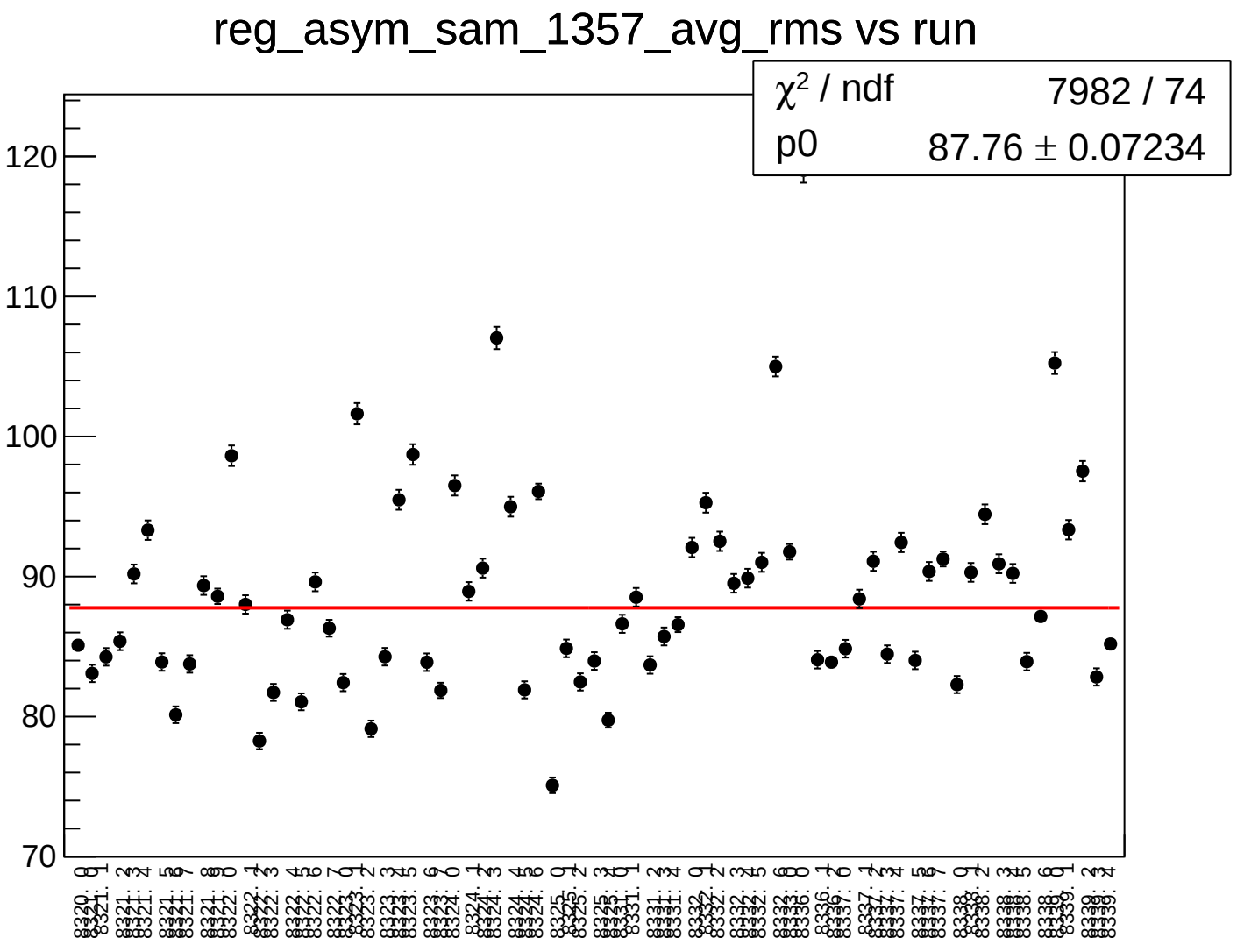

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 87.35 / 74
p0 −1.104e−14 ± 1.577e−14
pull
Entries 75
Mean −56.54
Std Dev 0

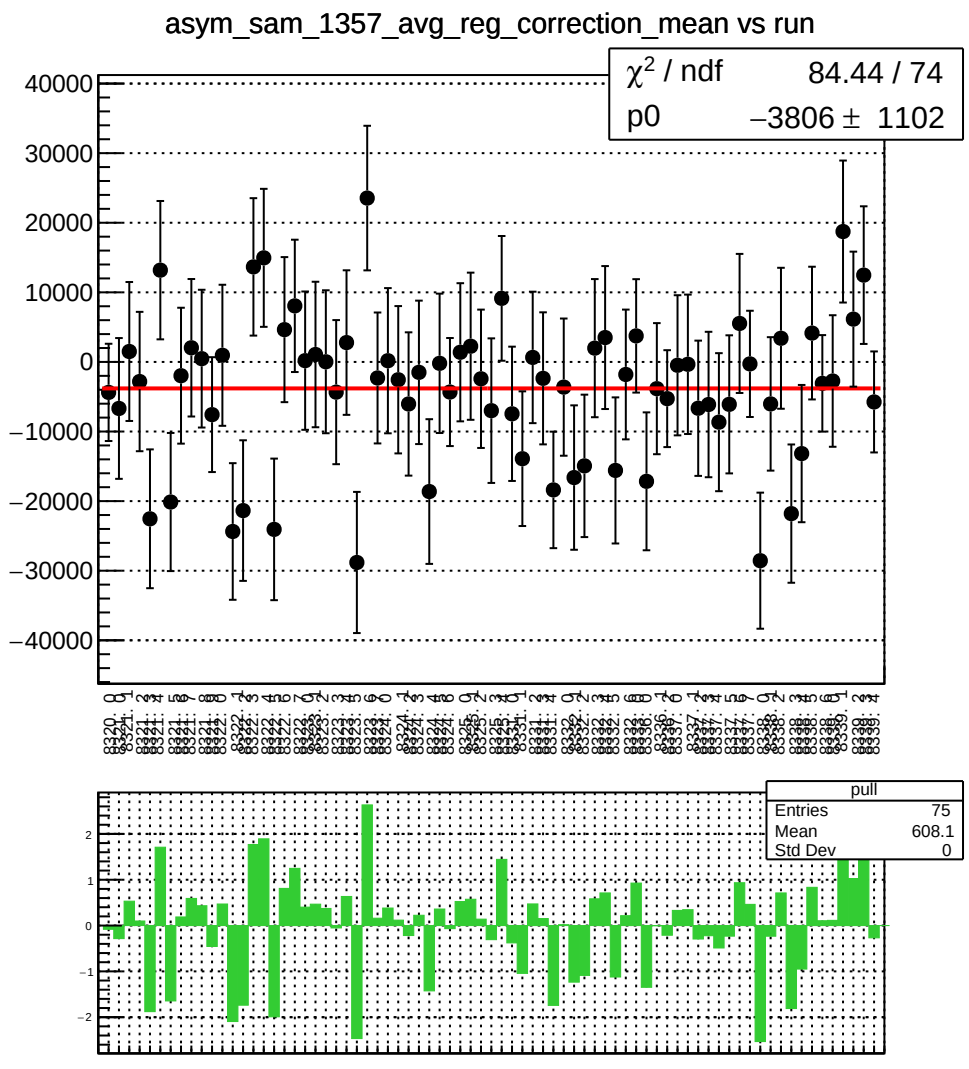

pull1D
Entries 75
Mean −0.03833
Std Dev 1.079

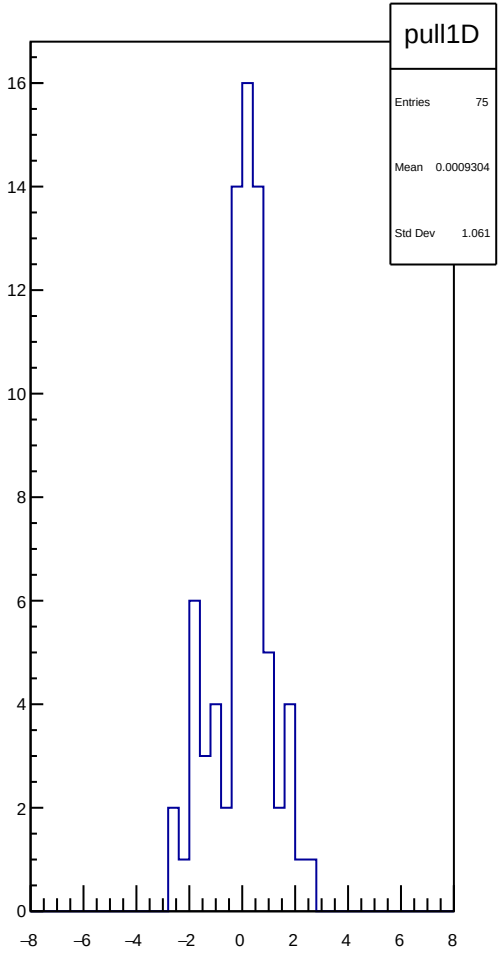

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.757e+05 / 74
p0 1.172e−11 ± 1.115e−14
40
35
30
25
20
15
10
5

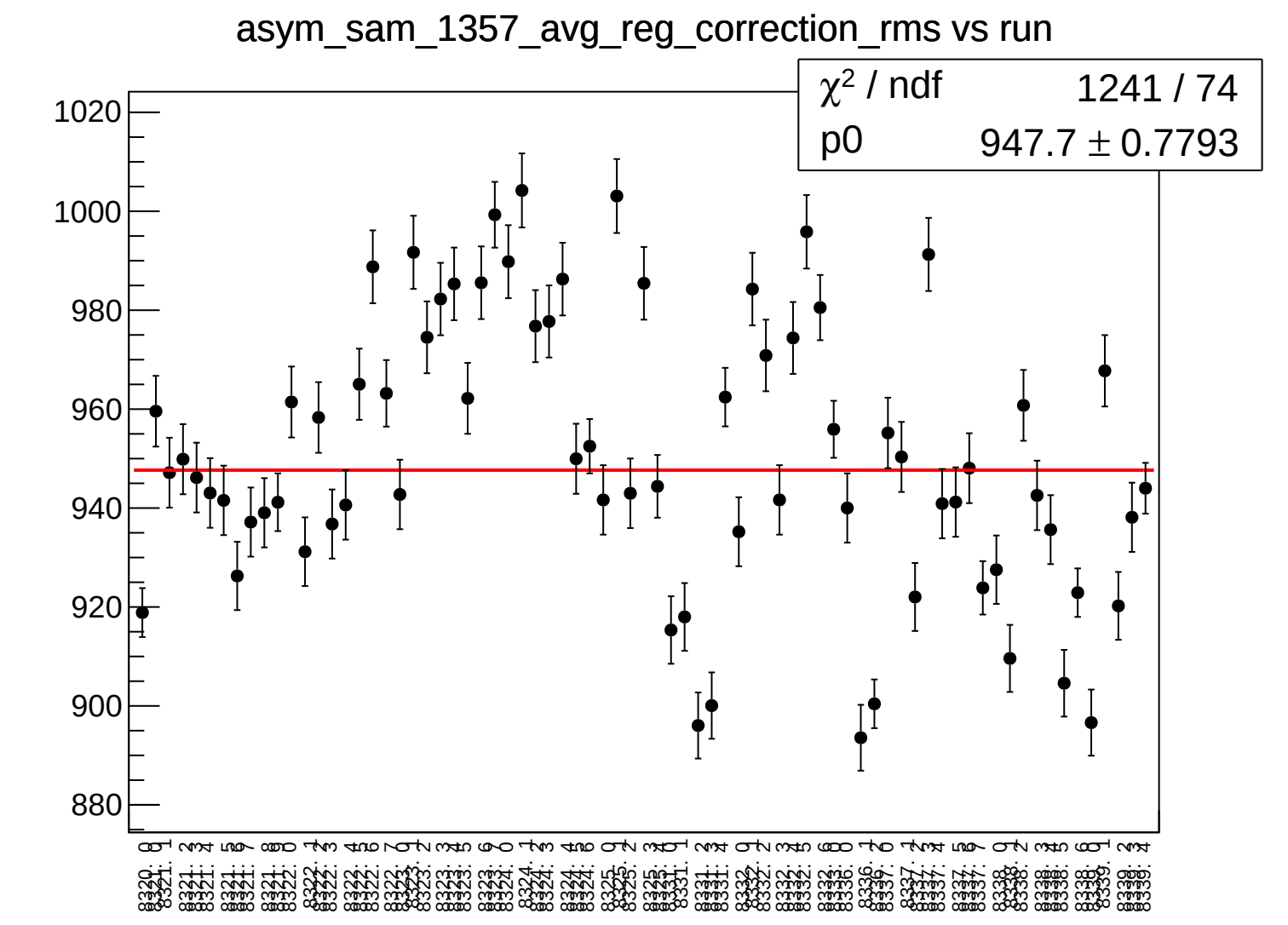

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 78.15 / 74
p0 144.3 ± 102.3
pull
Entries 75
Mean 11.06
Std Dev 0

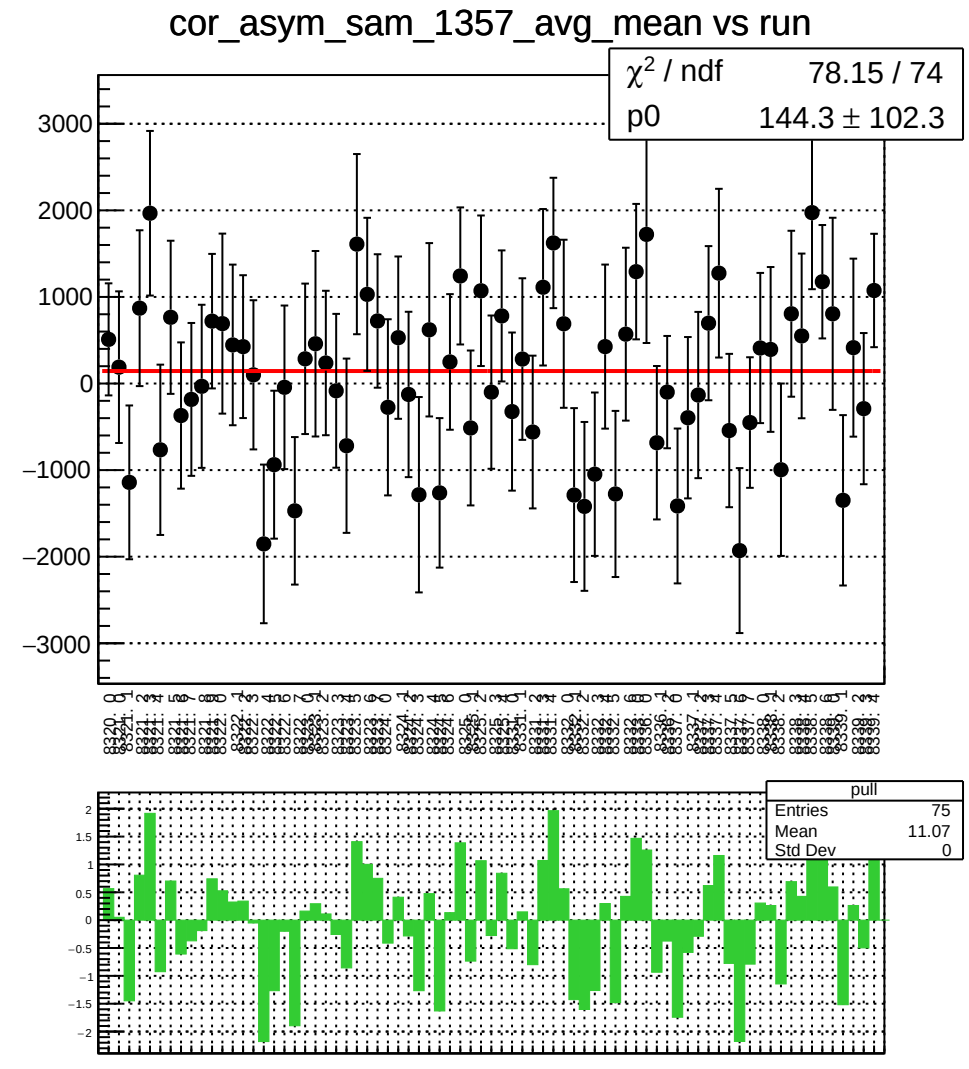

pull1D
Entries 75
Mean −0.02864
Std Dev 1.02

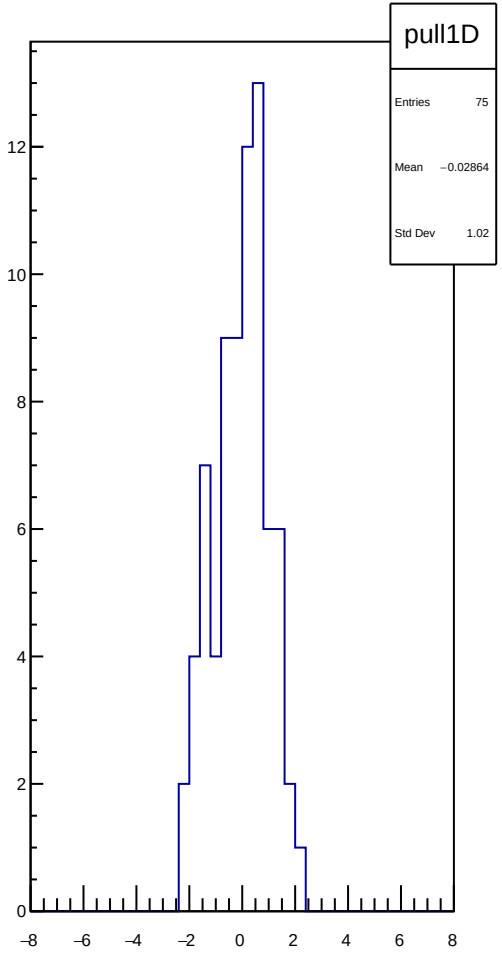

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 7982 / 74
p0 87.76 ± 0.07234
120
110
100
90
80
70

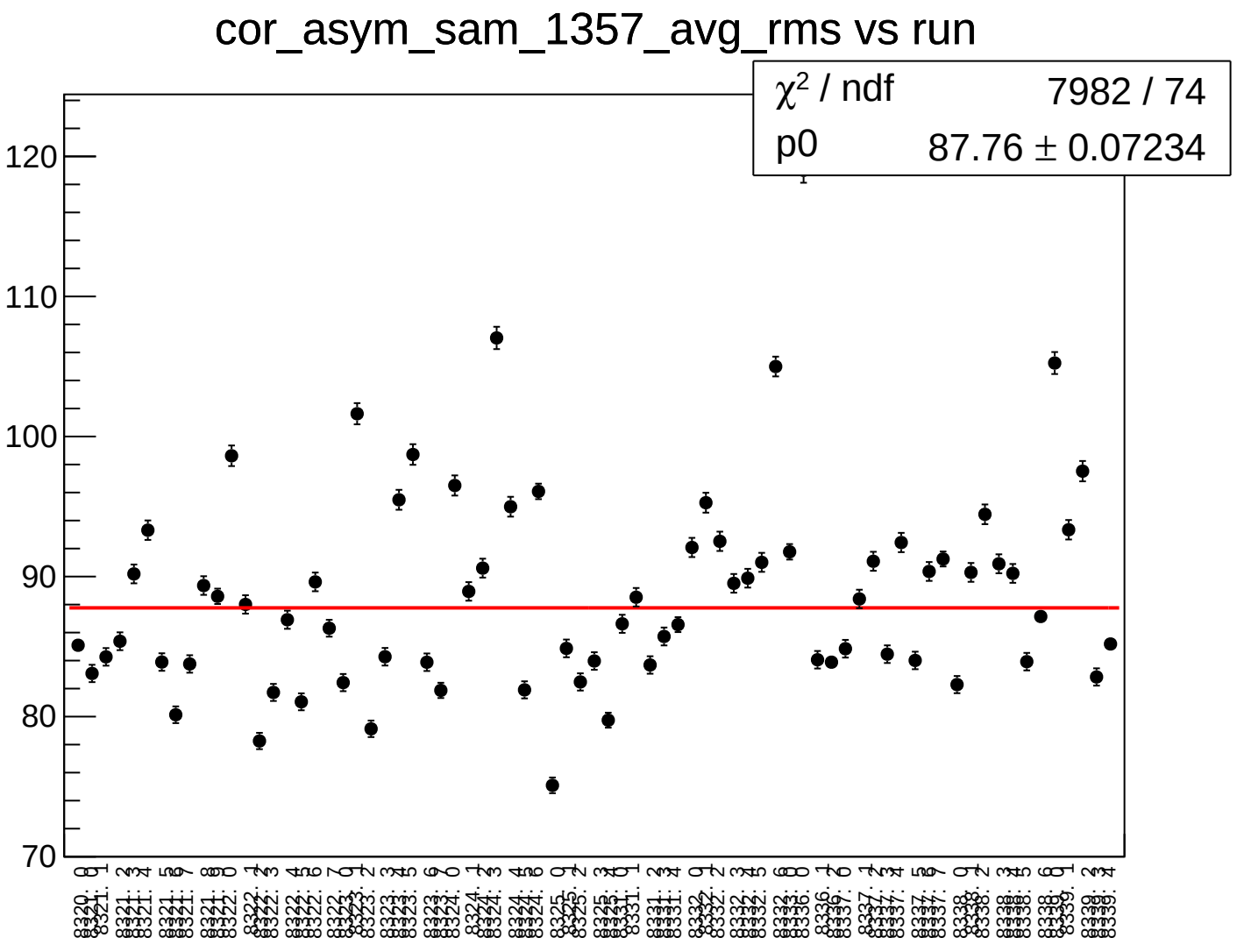

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 84.44 / 74
p0 −3806 ± 1102
pull
Entries 75
Mean 608.1
Std Dev 0

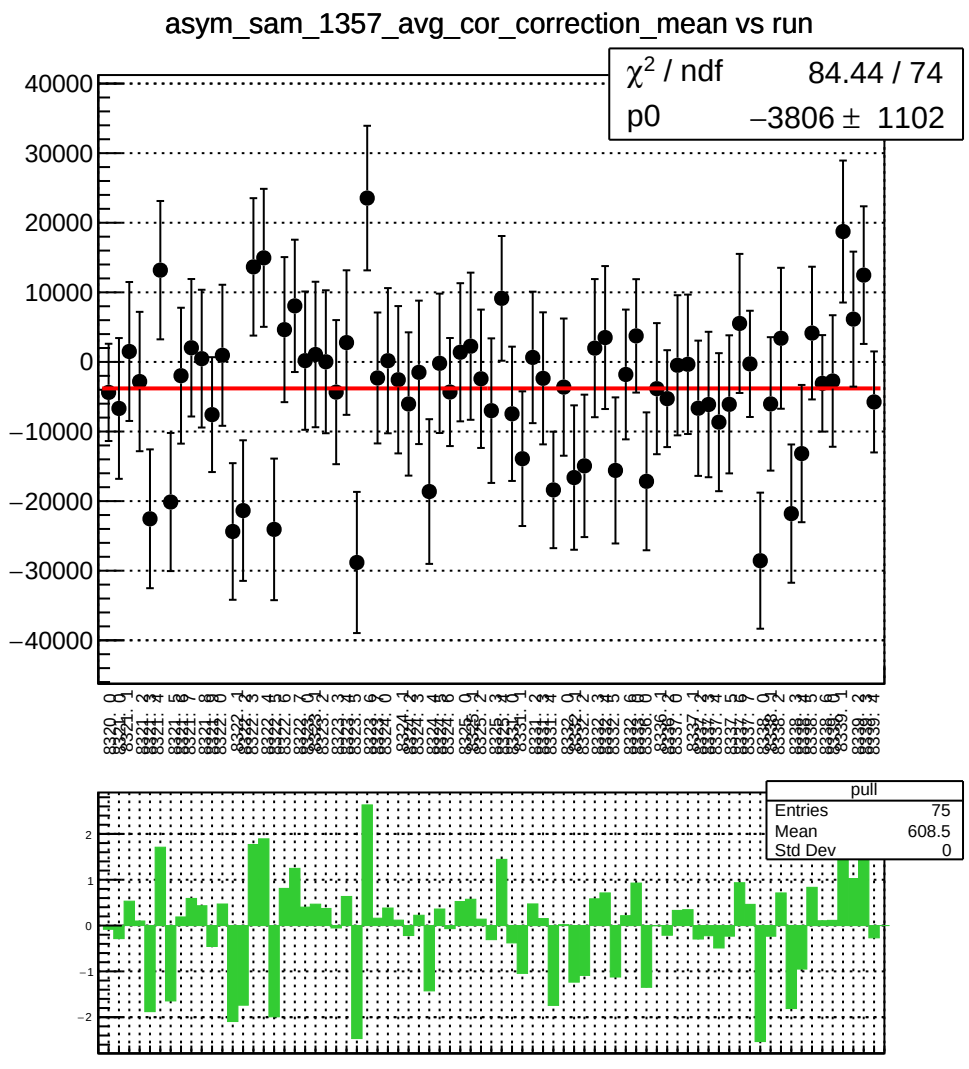

pull1D
Entries 75
Mean 0.0009304
Std Dev 1.061

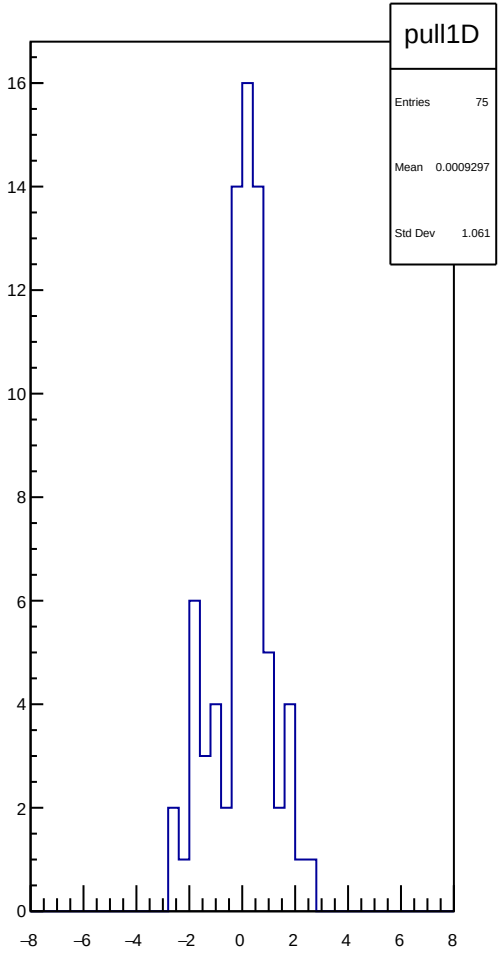

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 1241 / 74
p0 947.7 ± 0.7793
1020
1000
980
960
940
920
900
880

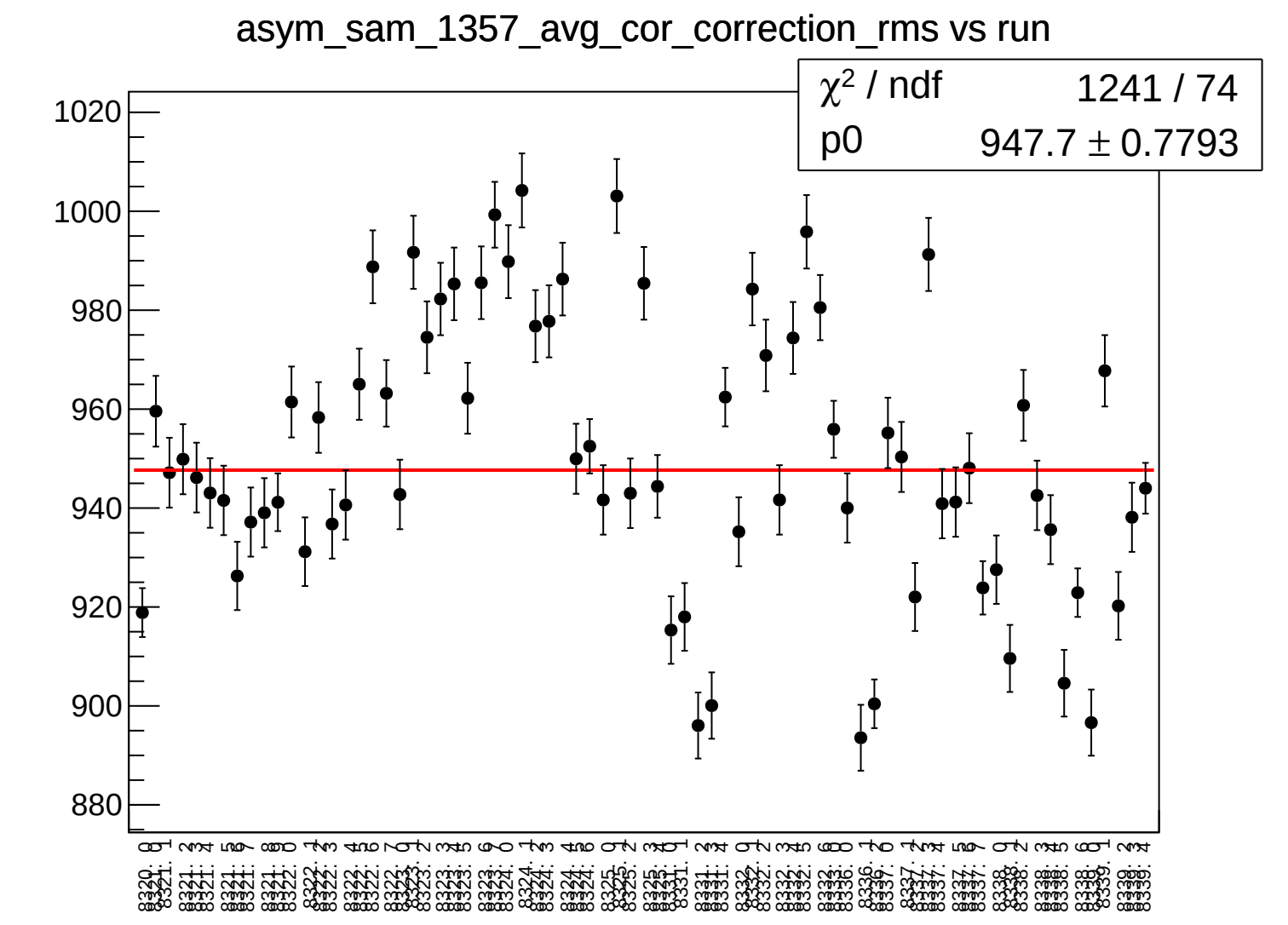

cor_asym_sam_1357_avg_mean vs run
χ^2 / ndf 78.15 / 74
p0 144.3 ± 102.3
pull
Entries 75
Mean 11.07
Std Dev 0

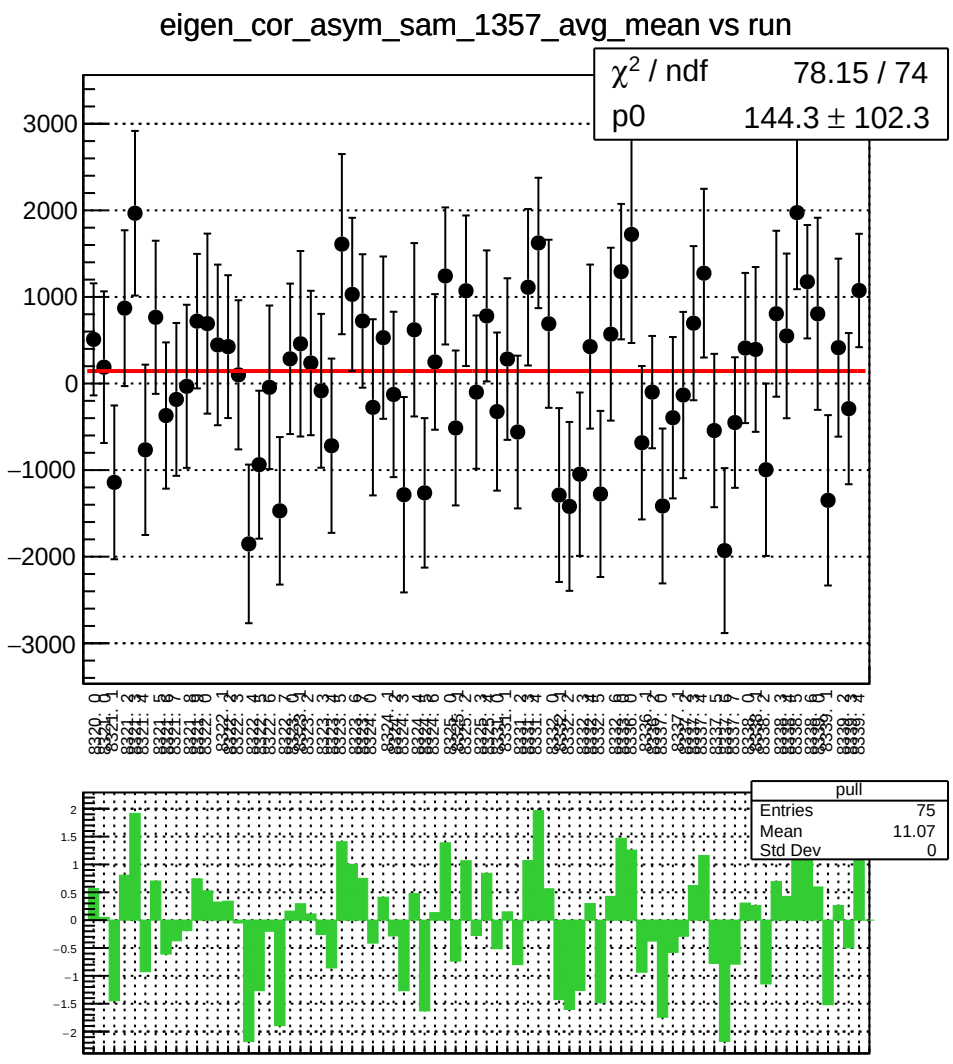

pull1D
Entries 75
Mean −0.02864
Std Dev 1.02

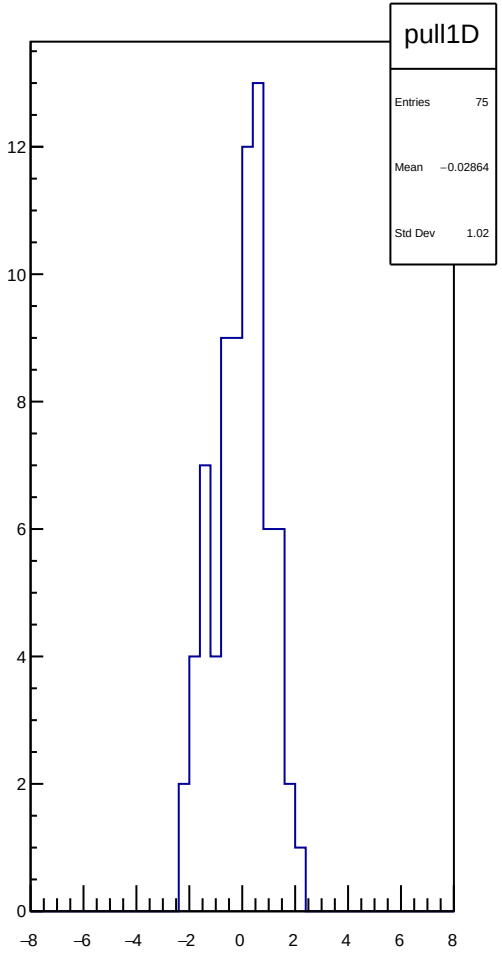

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 7982 / 74
p0 87.76 ± 0.07234
120
110
100
90
80
70

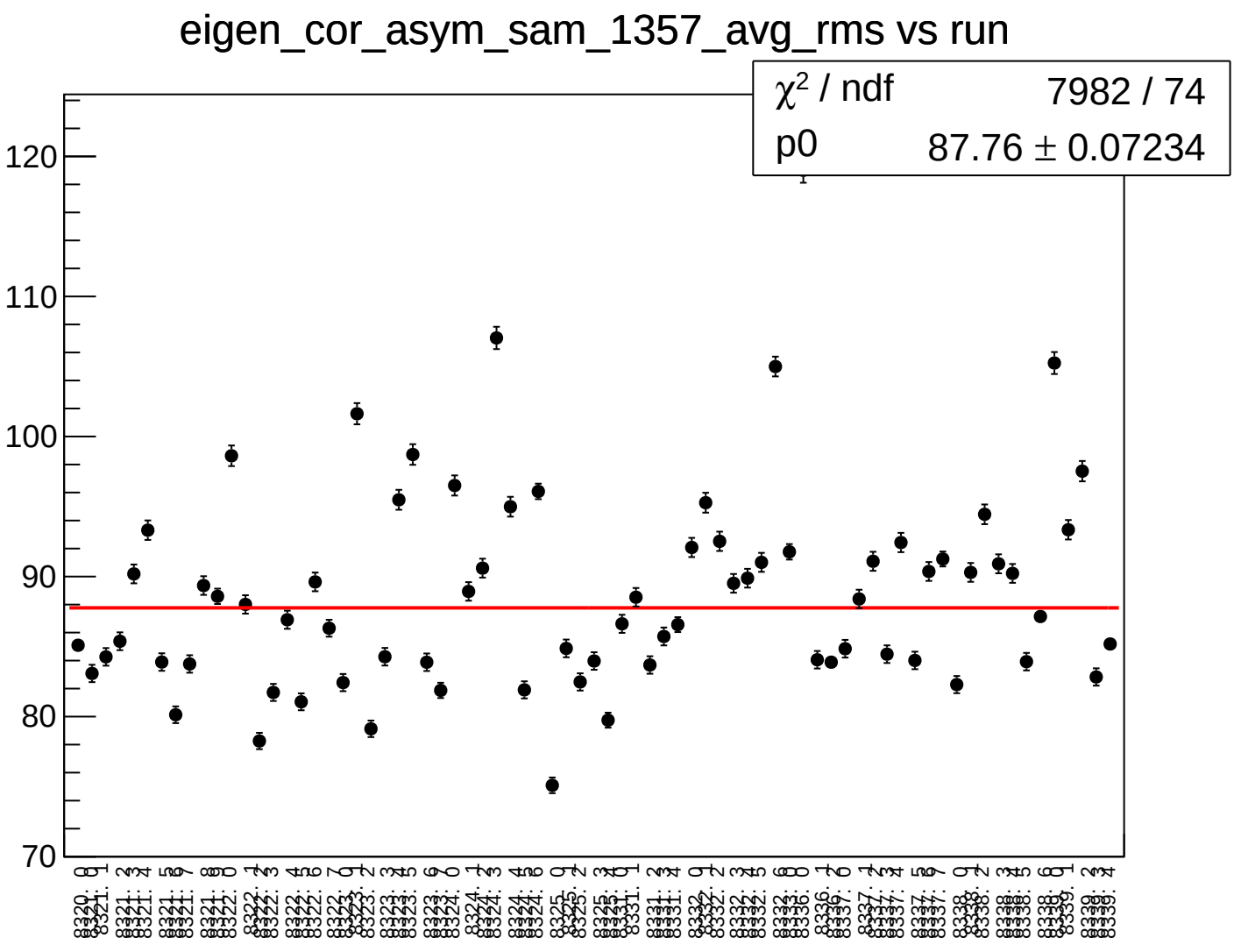

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 84.44 / 74
p0 −3806 ± 1102
pull
Entries 75
Mean 608.5
Std Dev 0

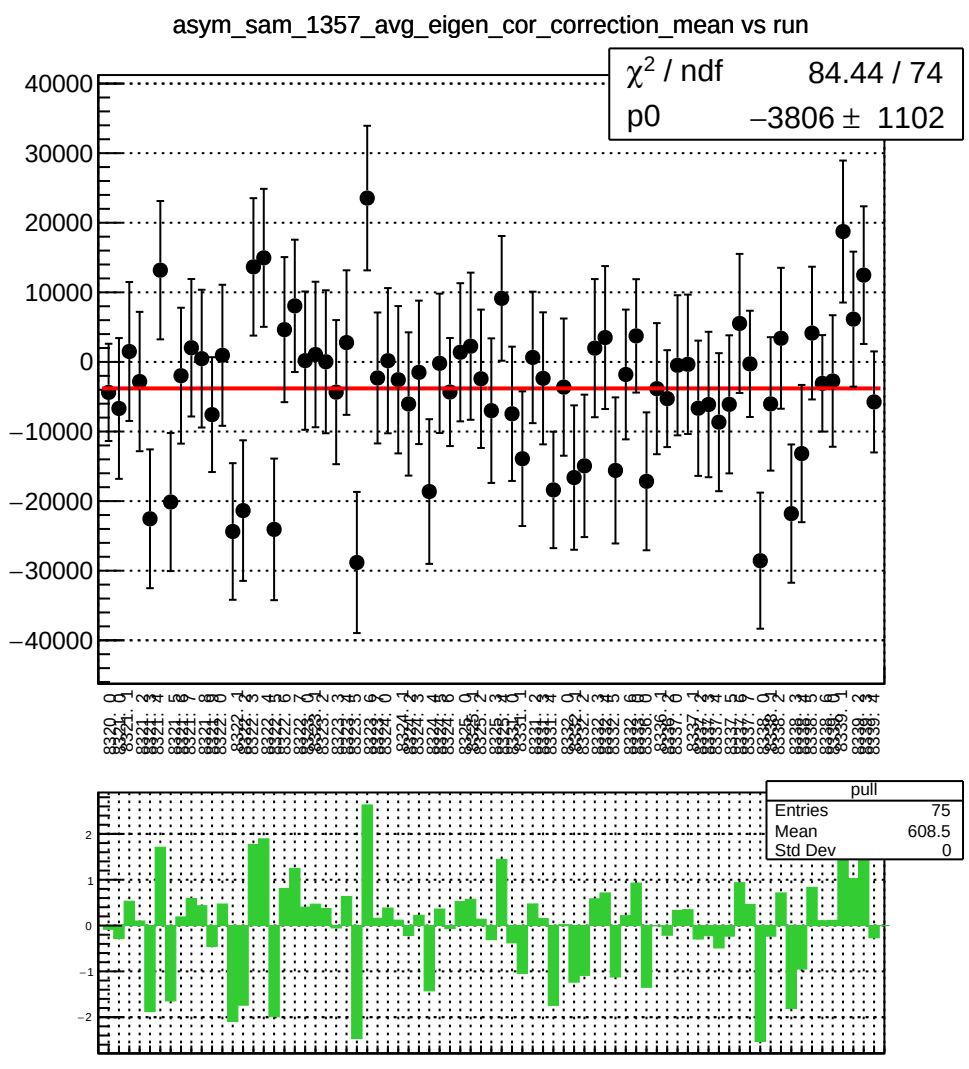

pull1D
Entries 75
Mean 0.0009297
Std Dev 1.061

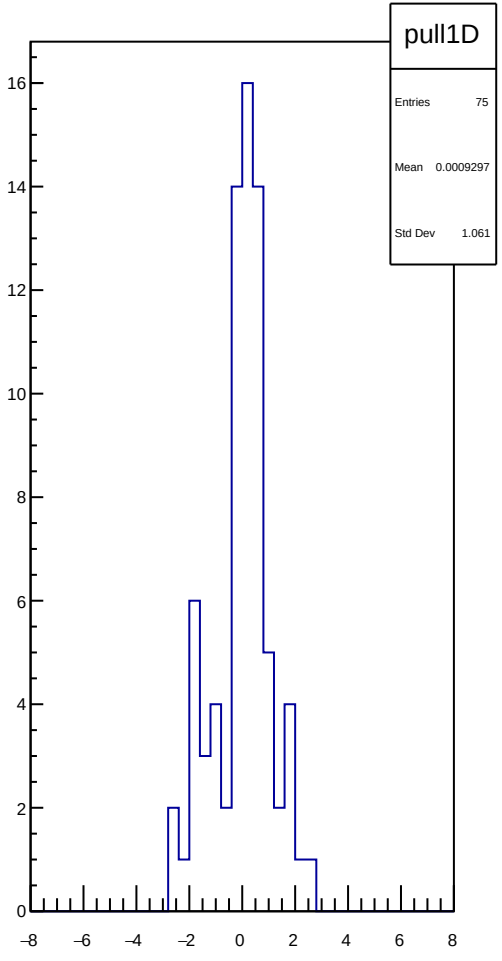

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 1241 / 74
p0 947.7 ± 0.7793
1020
1000
980
960
940
920
900
880

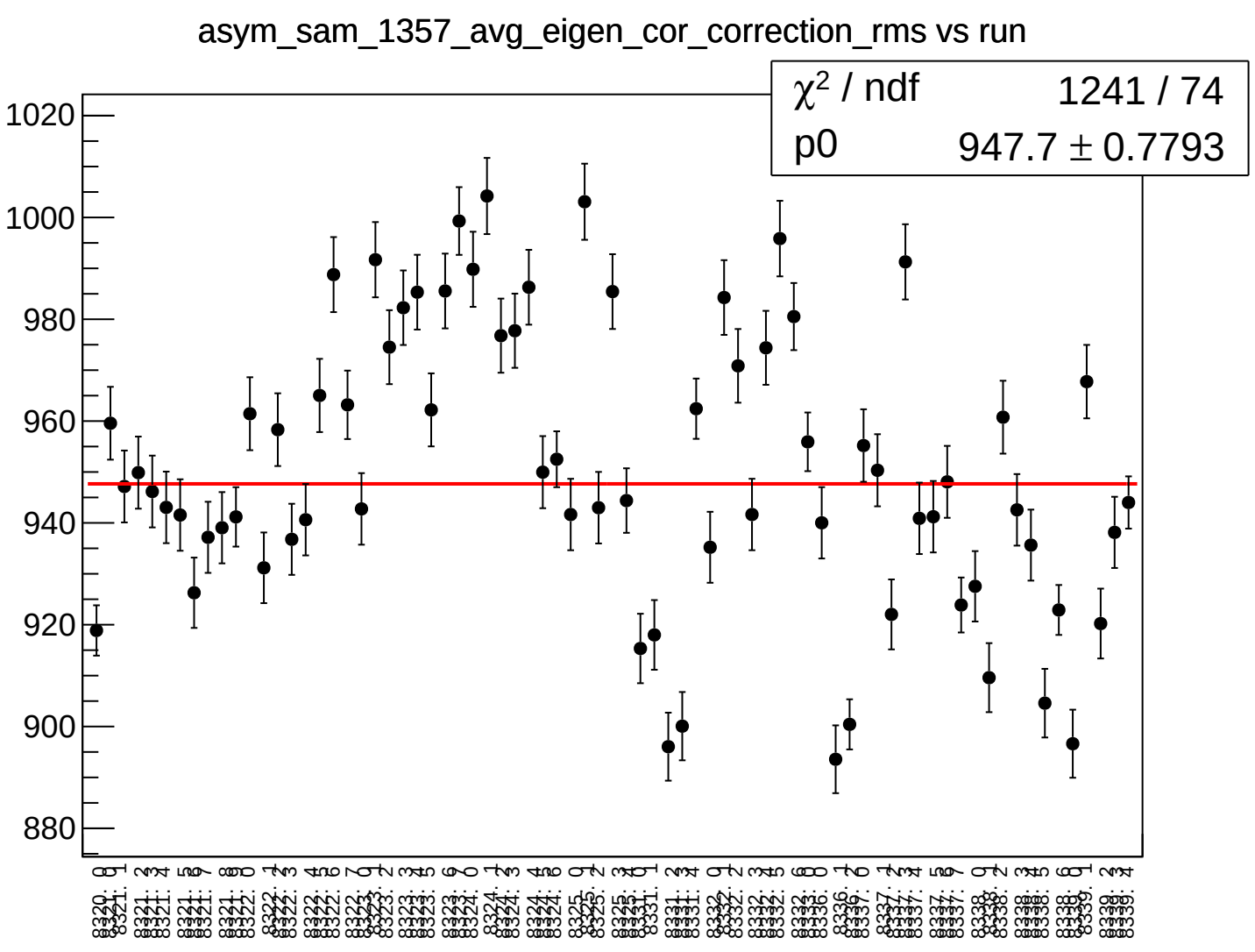

eigen_cor_asym_sam_1357_avg_mean vs run
χ^2 / ndf 78.15 / 74
p0 144.3 ± 102.3
pull
Entries 75
Mean 11.07
Std Dev 0

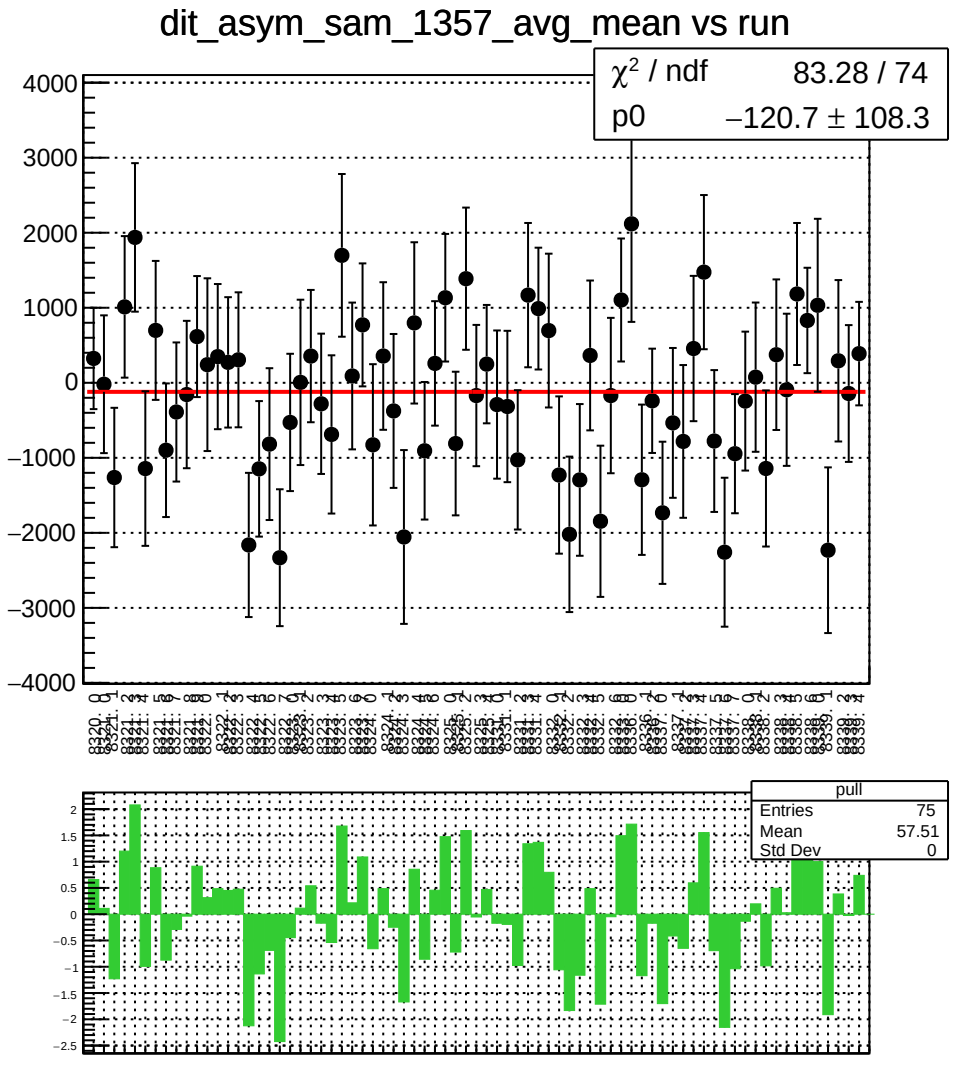

pull1D
Entries 75
Mean −0.02864
Std Dev 1.02

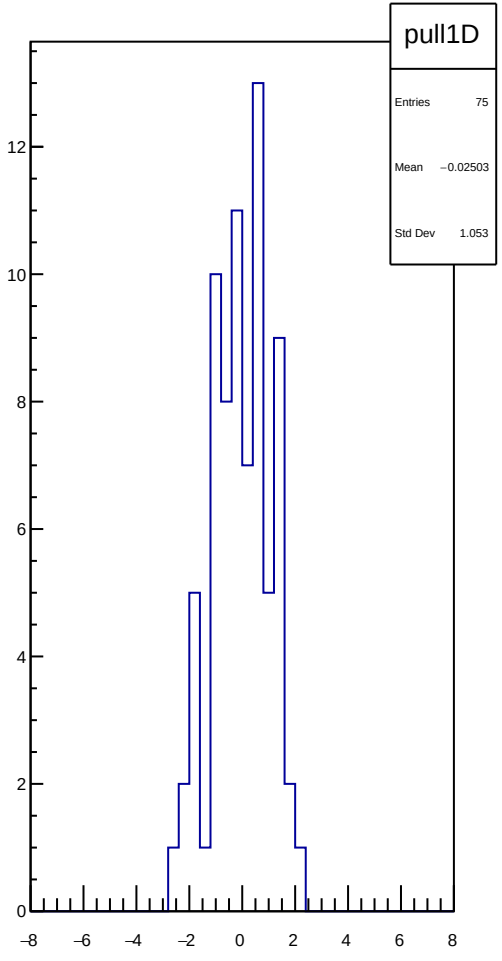

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 7982 / 74
p0 87.76 ± 0.07234
120
110
100
90
80
70

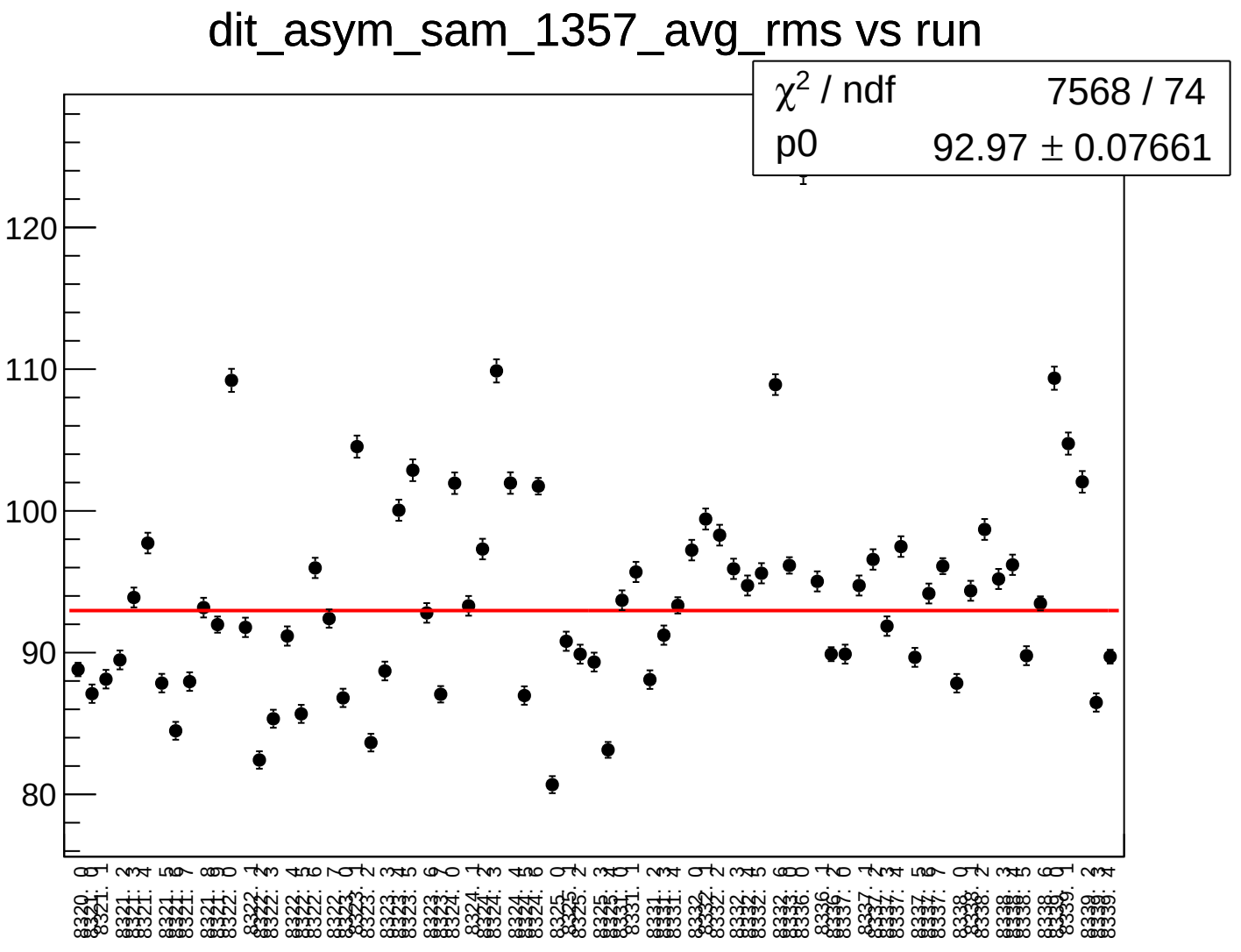

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 84.44 / 74
p0 −3806 ± 1102
pull
Entries 75
Mean 608.5
Std Dev 0

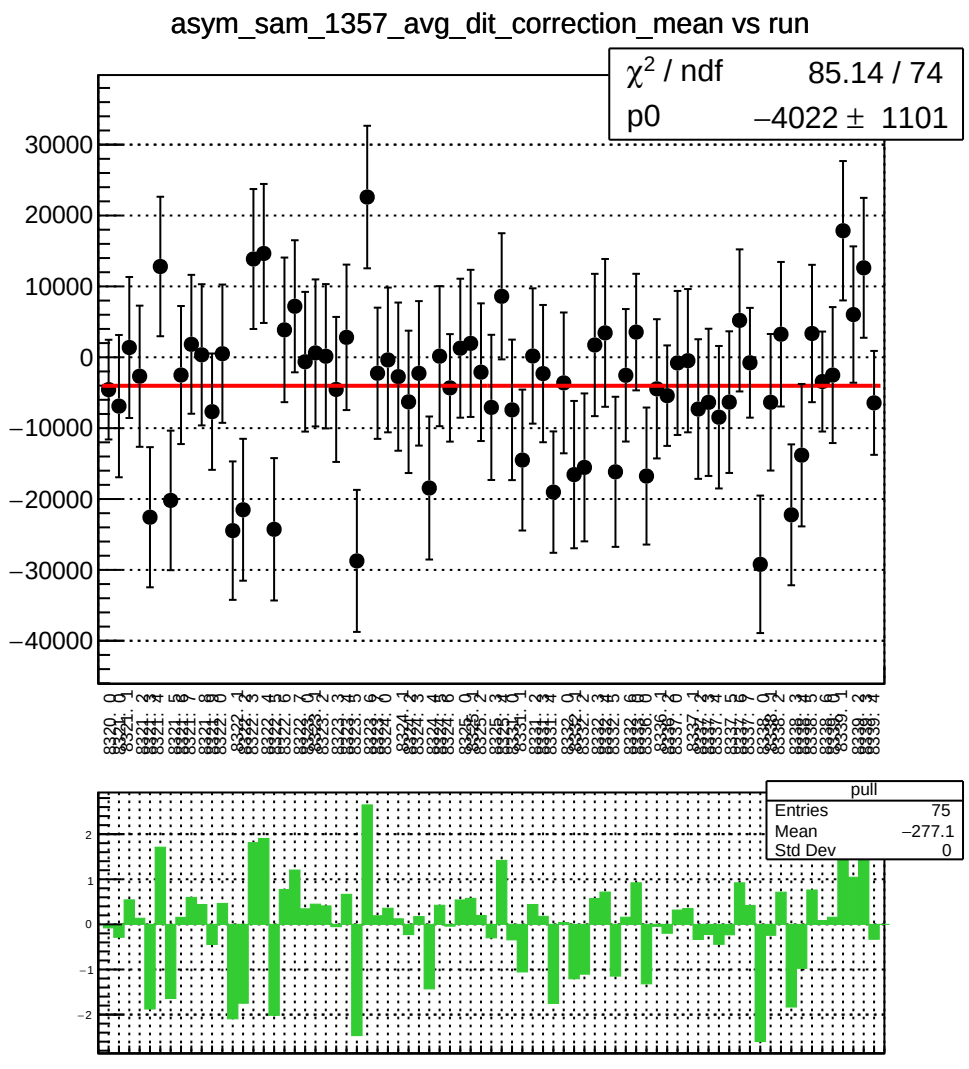

pull1D
Entries 75
Mean 0.0009297
Std Dev 1.061

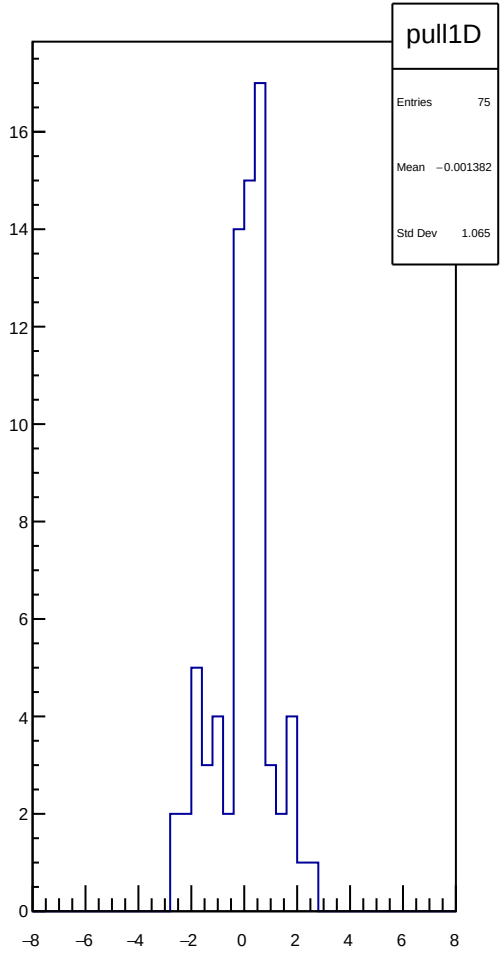

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 1241 / 74
p0 947.7 ± 0.7793
1020
1000
980
960
940
920
900
880

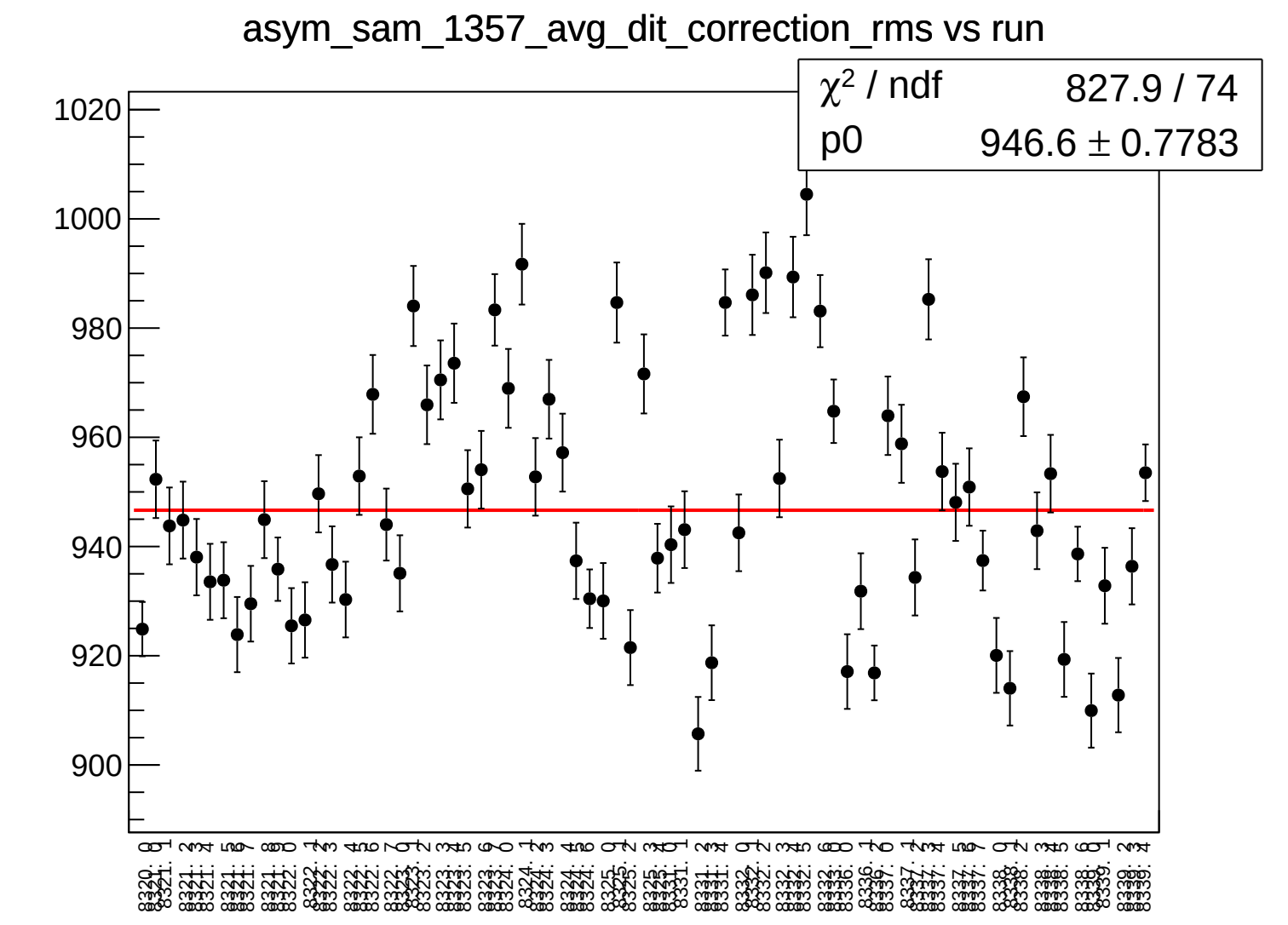

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 83.28 / 74
p0 −120.7 ± 108.3
pull
Entries 75
Mean 57.51
Std Dev 0

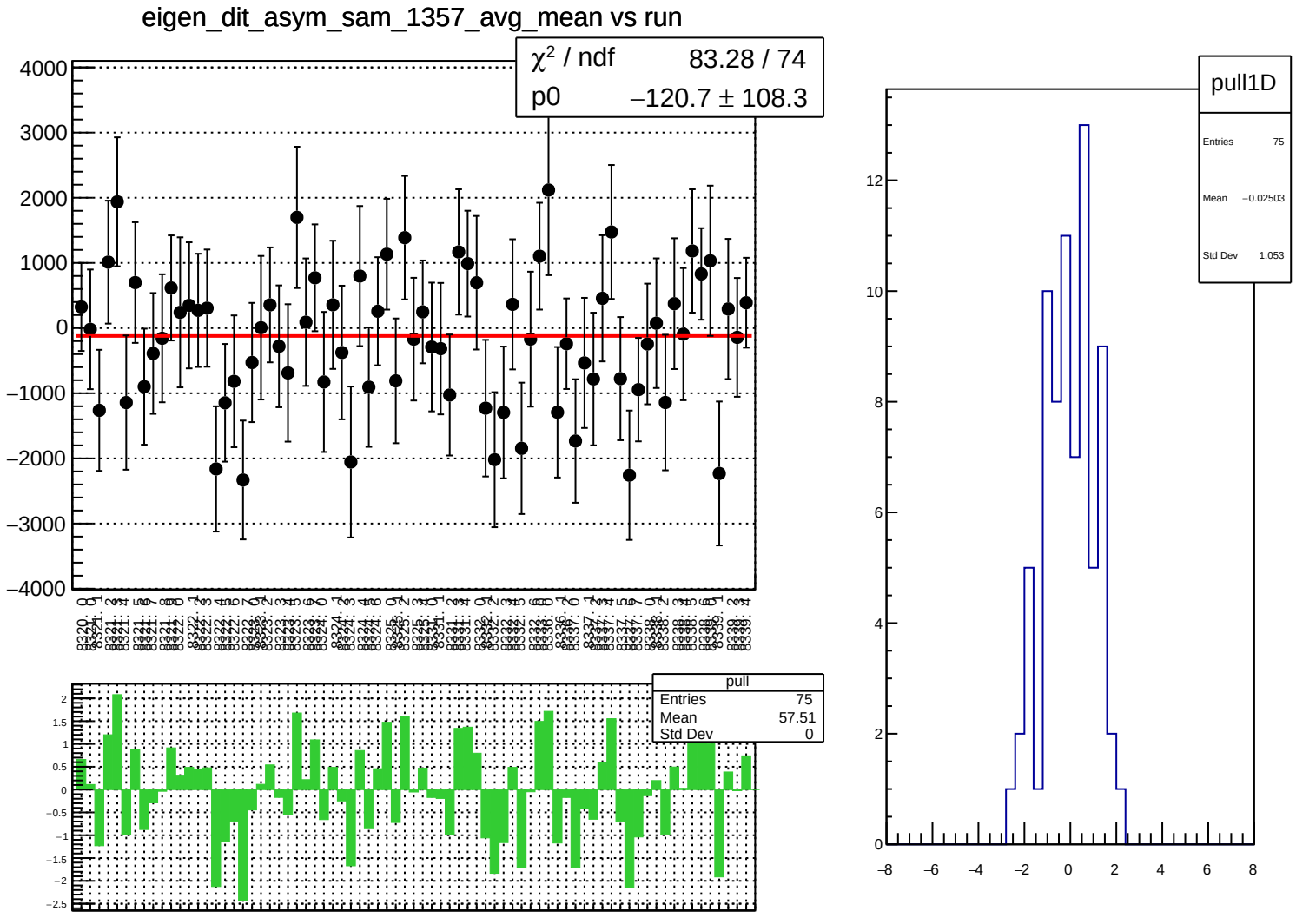

pull1D
Entries 75
Mean −0.02503
Std Dev 1.053

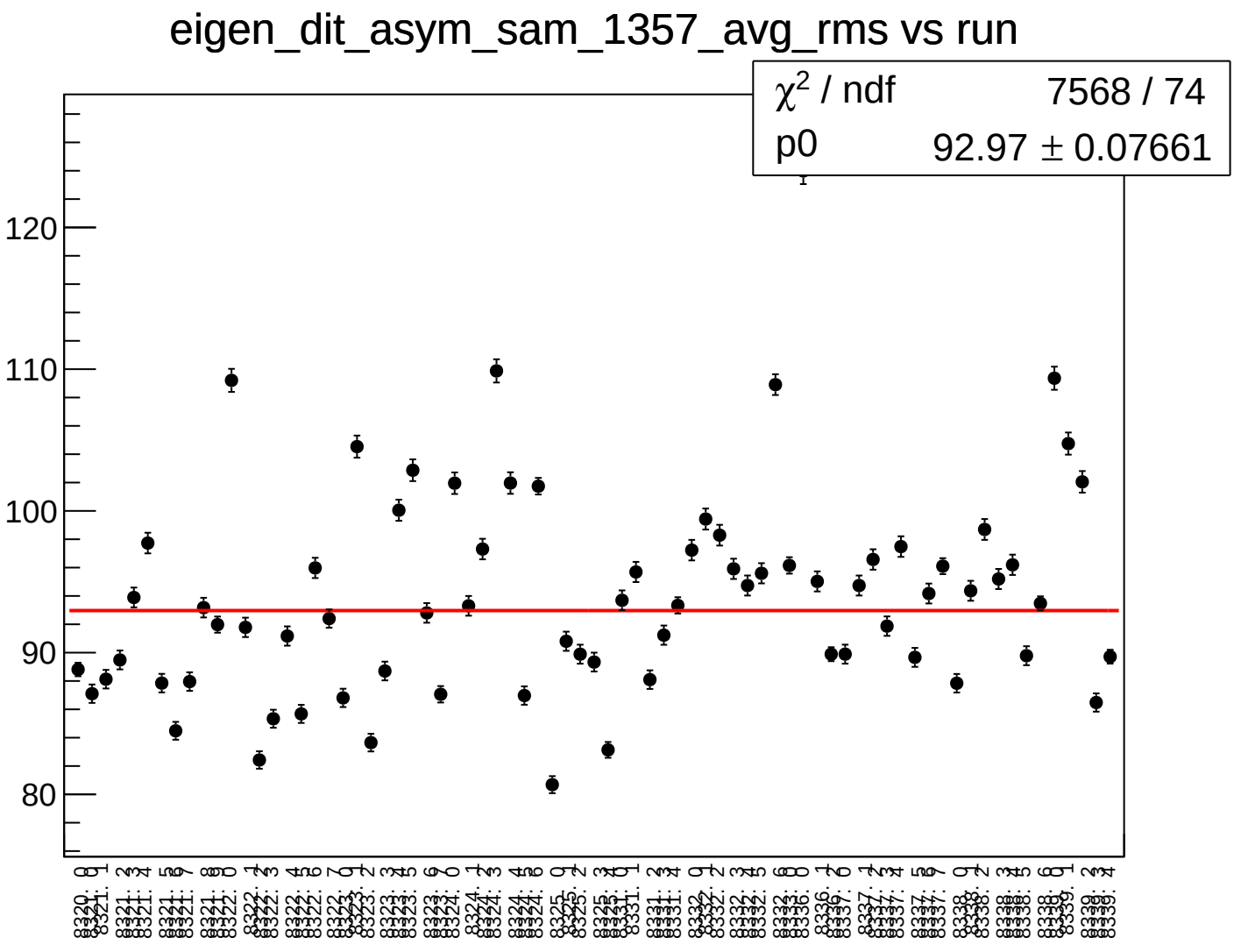

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 7568 / 74
p0 92.97 ± 0.07661
120
110
100
90
80

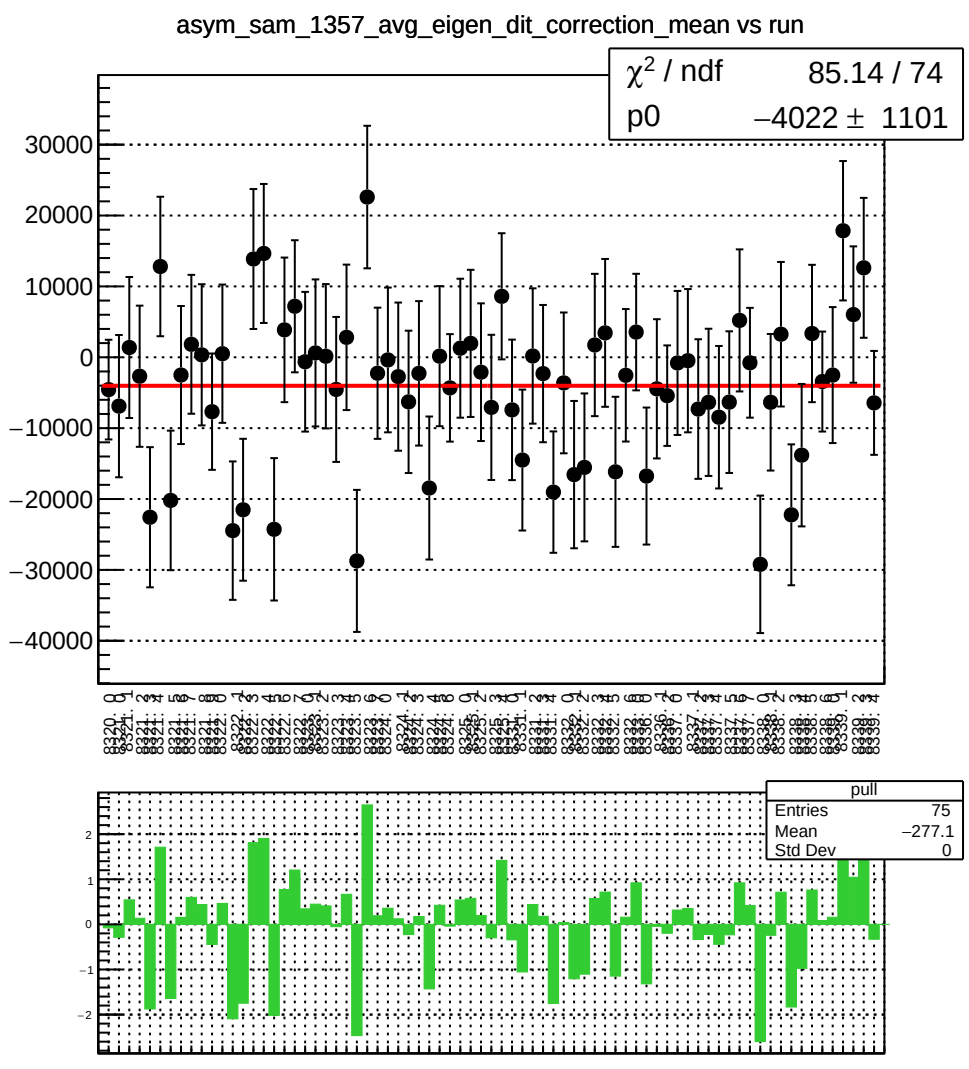

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 85.14 / 74
p0 −4022 ± 1101
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 75
Mean −277.1
Std Dev 0
2
1
0
−1
−2

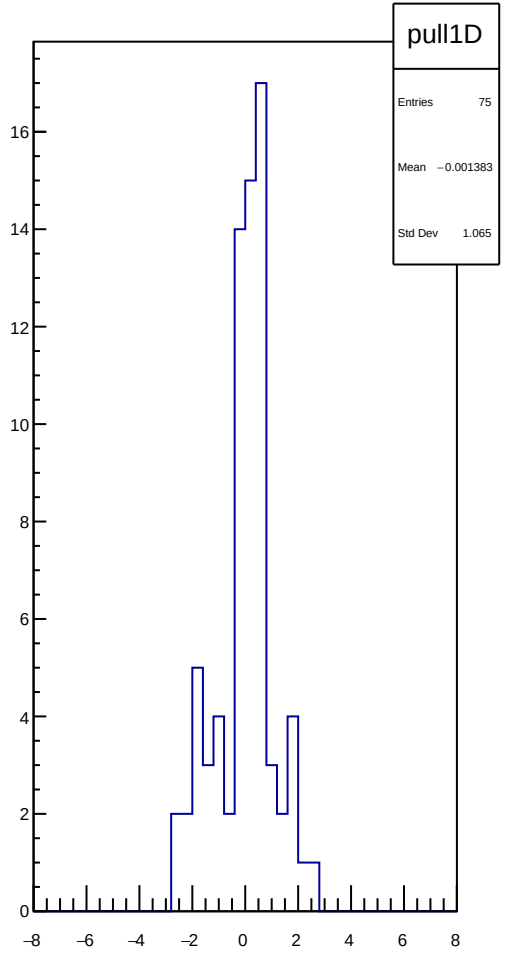

pull1D
Entries 75
Mean −0.001382
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

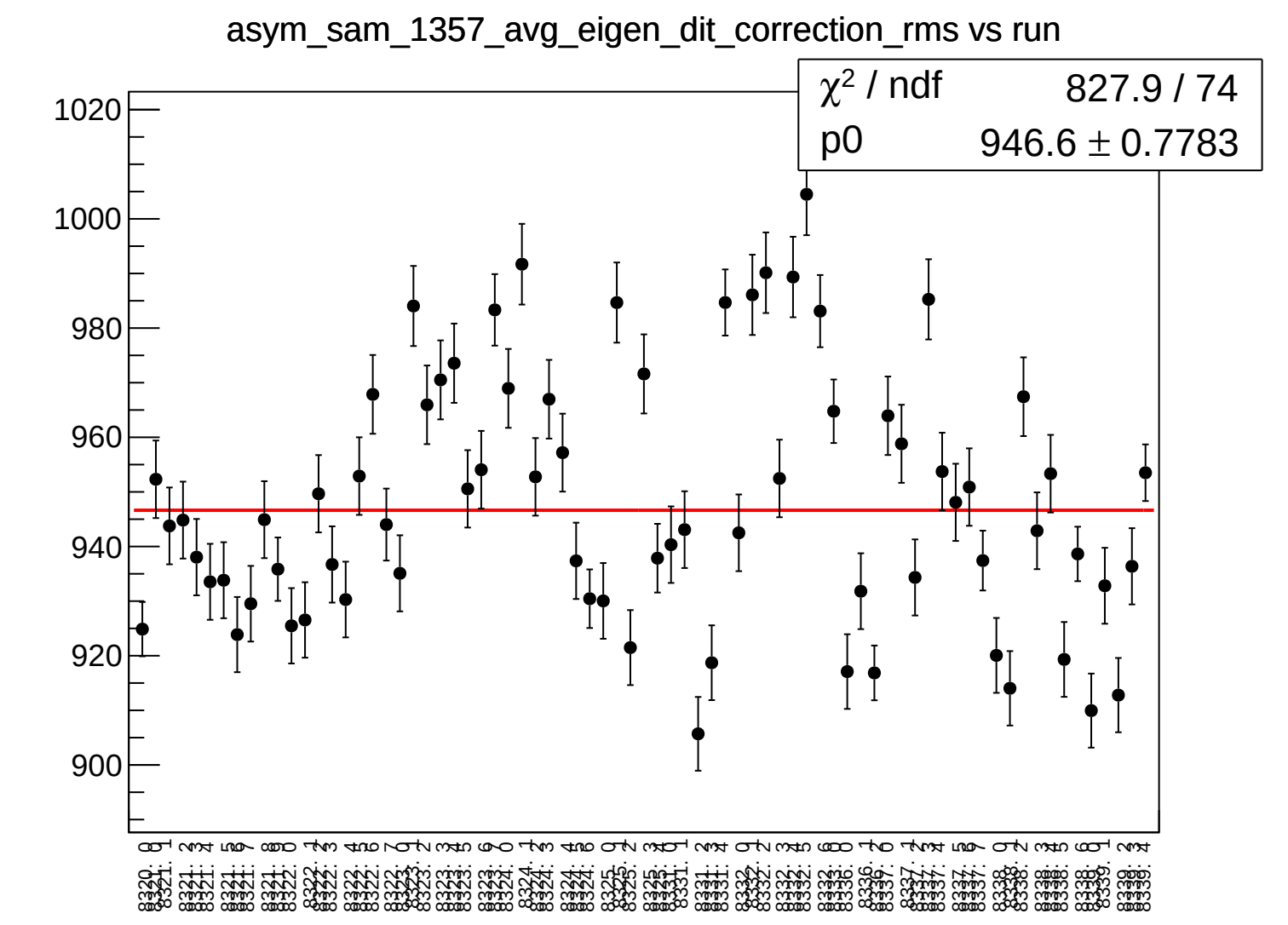

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 827.9 / 74
p0 946.6 ± 0.7783
1020
1000
980
960
940
920
900

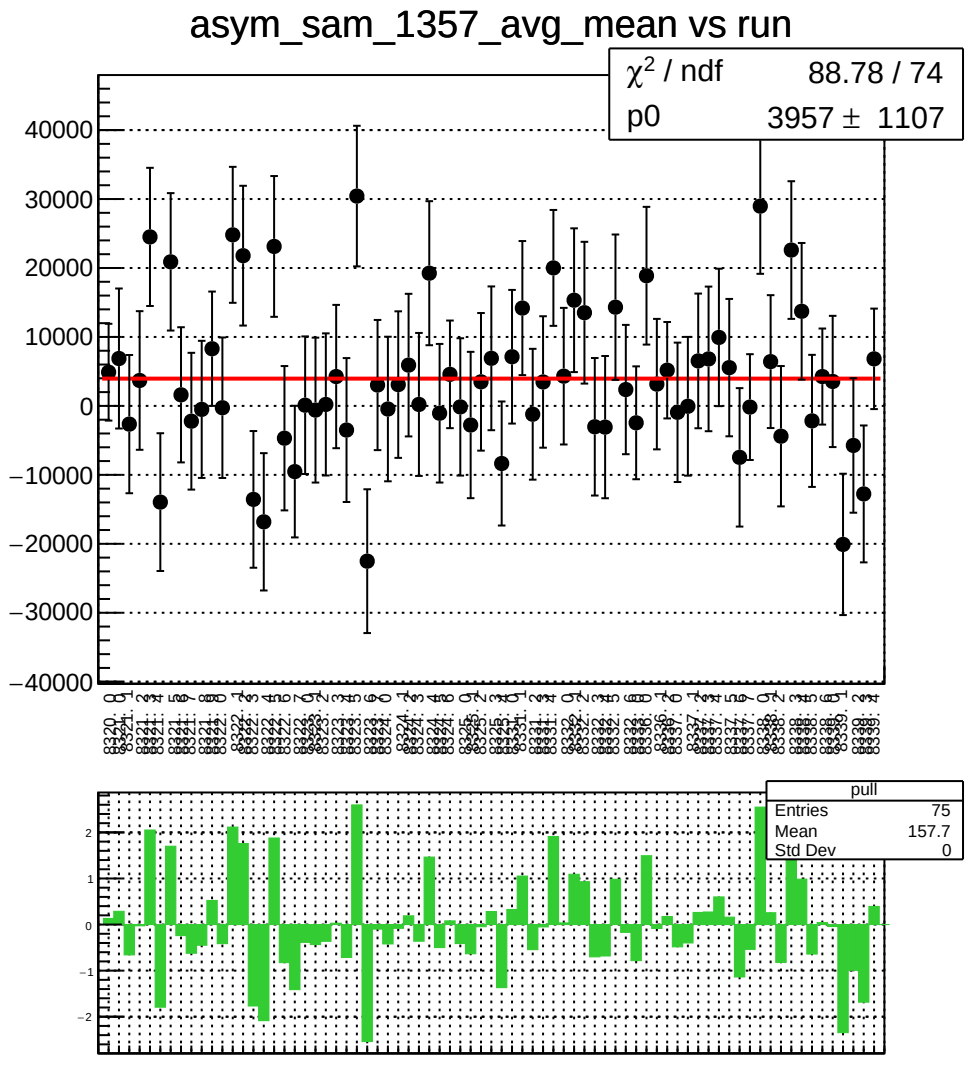

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 83.28 / 74
p0 −120.7 ± 108.3
pull
Entries 75
Mean 57.51
Std Dev 0
pull1D
Entries 75
Mean −0.02503
Std Dev 1.053

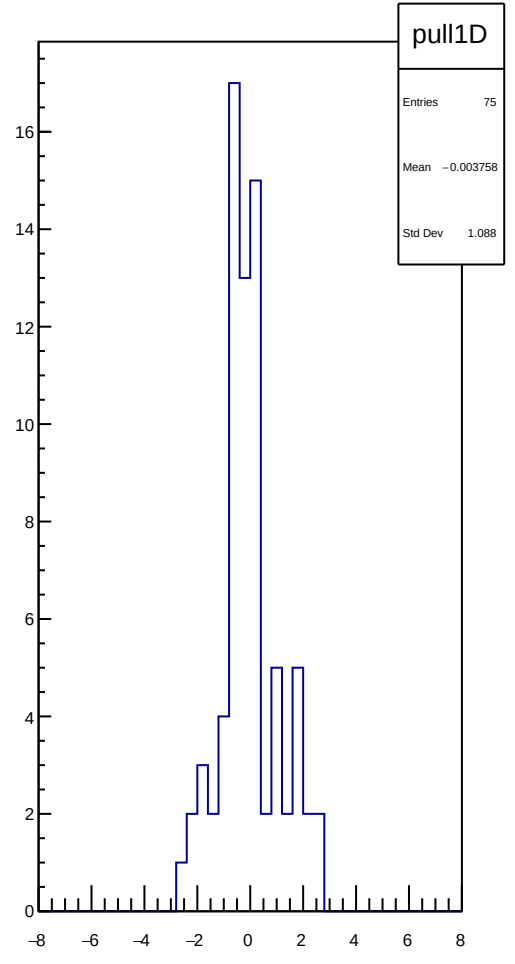

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 7568 / 74
p0 92.97 ± 0.07661
120
110
100
90
80

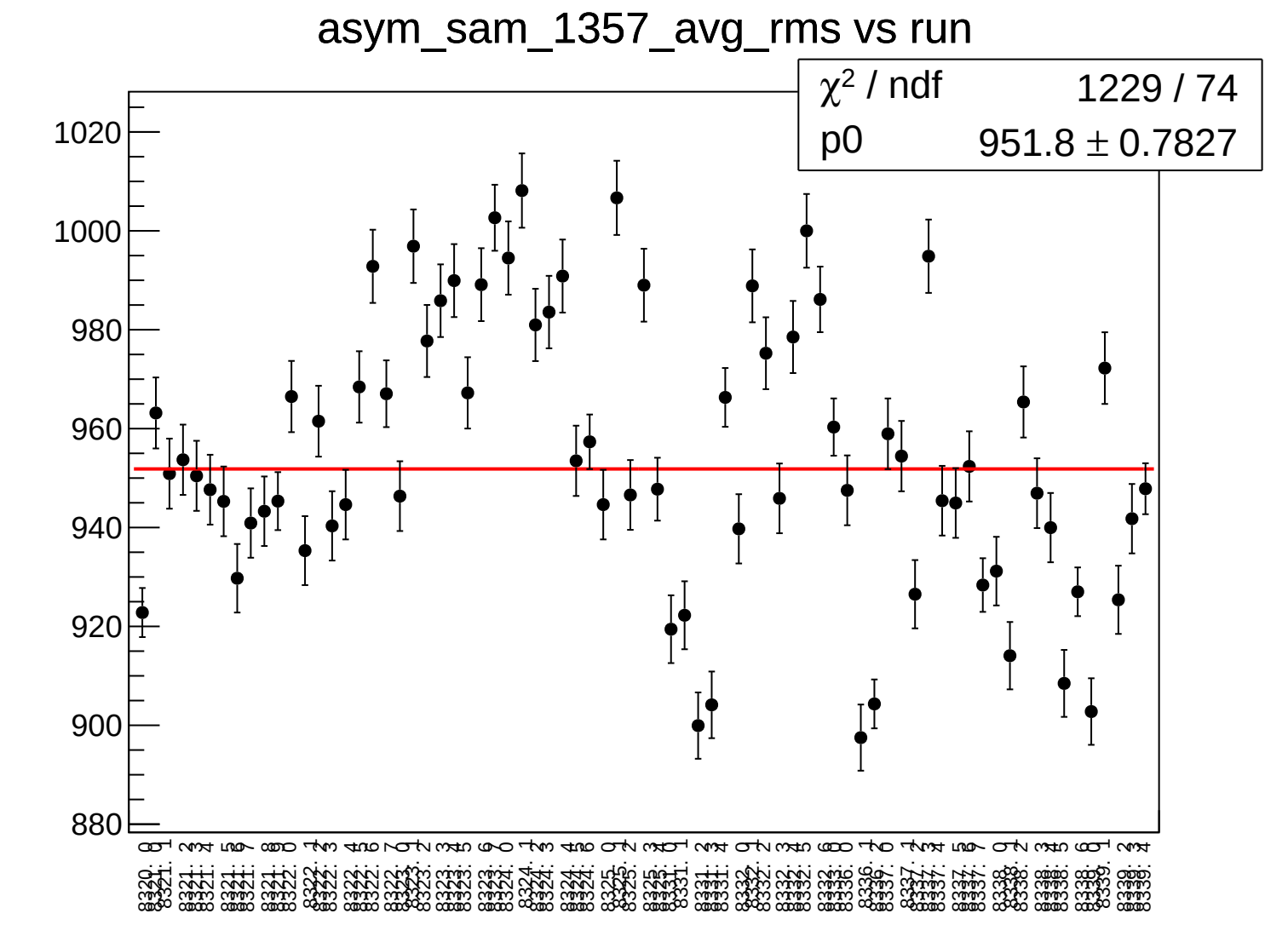

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 85.14 / 74
p0 −4022 ± 1101
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 75
Mean −277.1
Std Dev 0
2
1
0
−1
−2

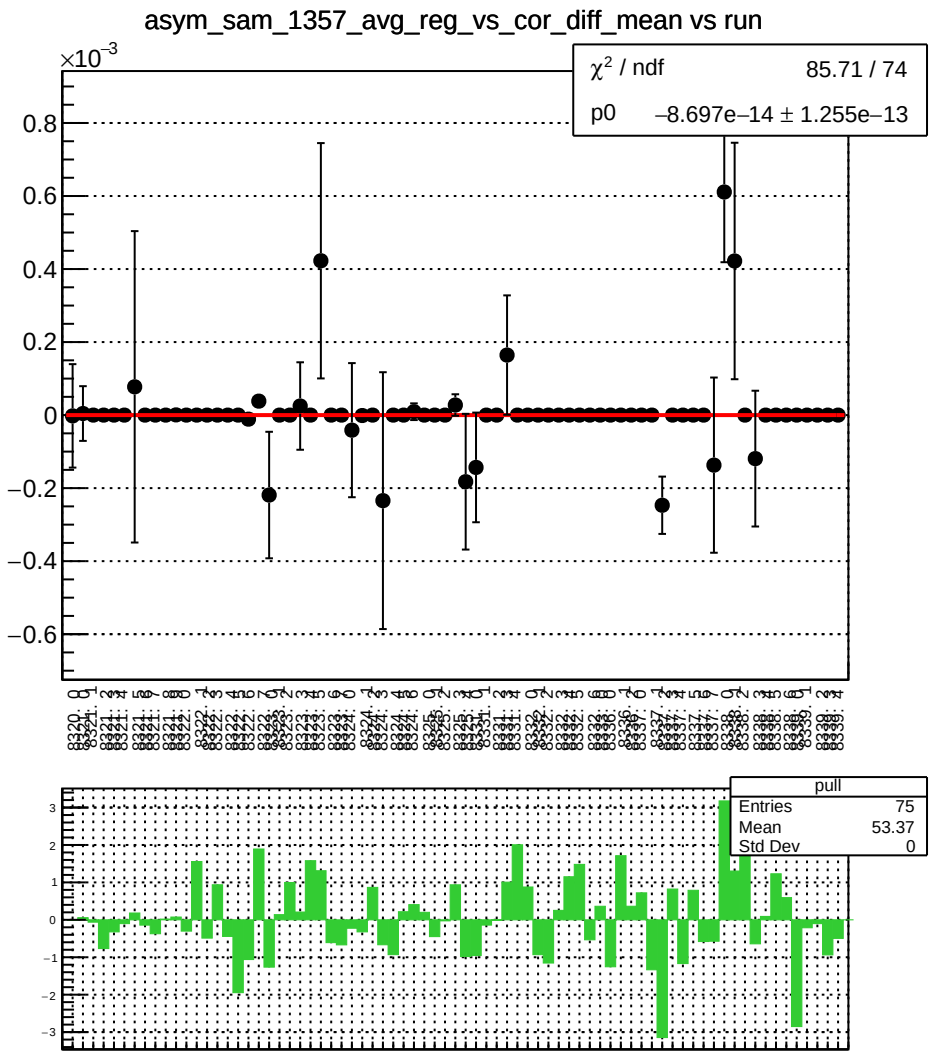

pull1D
Entries 75
Mean −0.001383
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

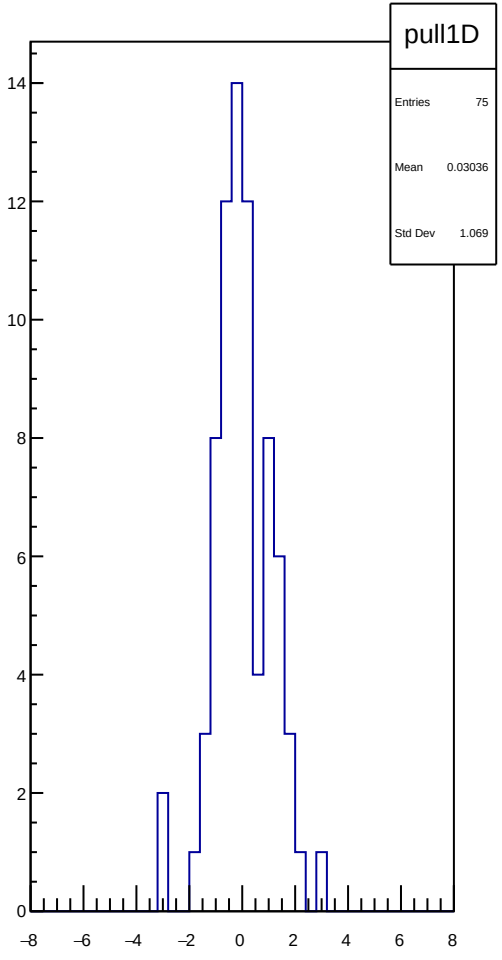

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 827.9 / 74
p0 946.6 ± 0.7783
1020
1000
980
960
940
920
900

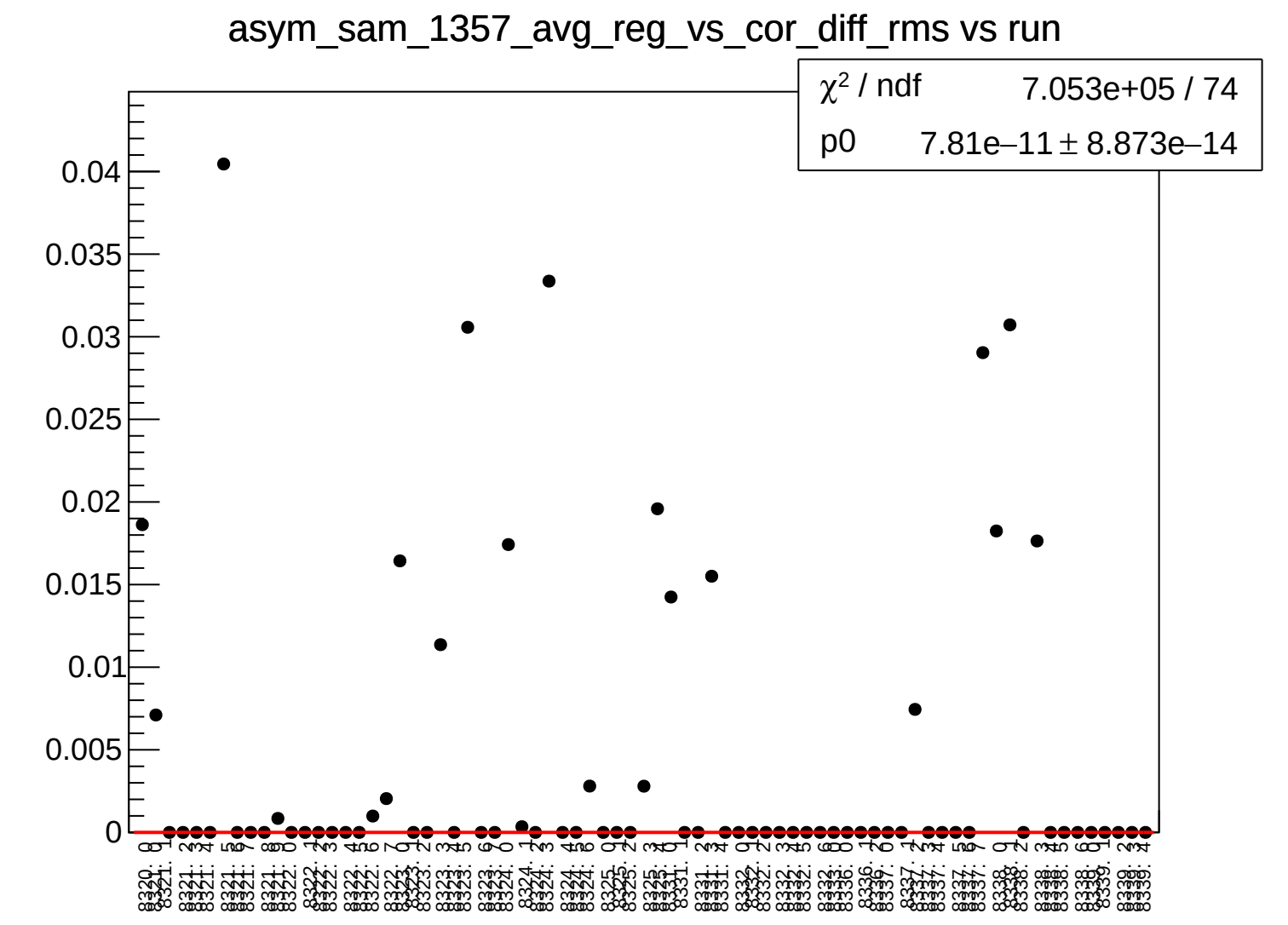

asym_sam_1357_avg_mean vs run
χ² / ndf 88.78 / 74
p0 3957 ± 1107
pull
Entries 75
Mean 157.7
Std Dev 0

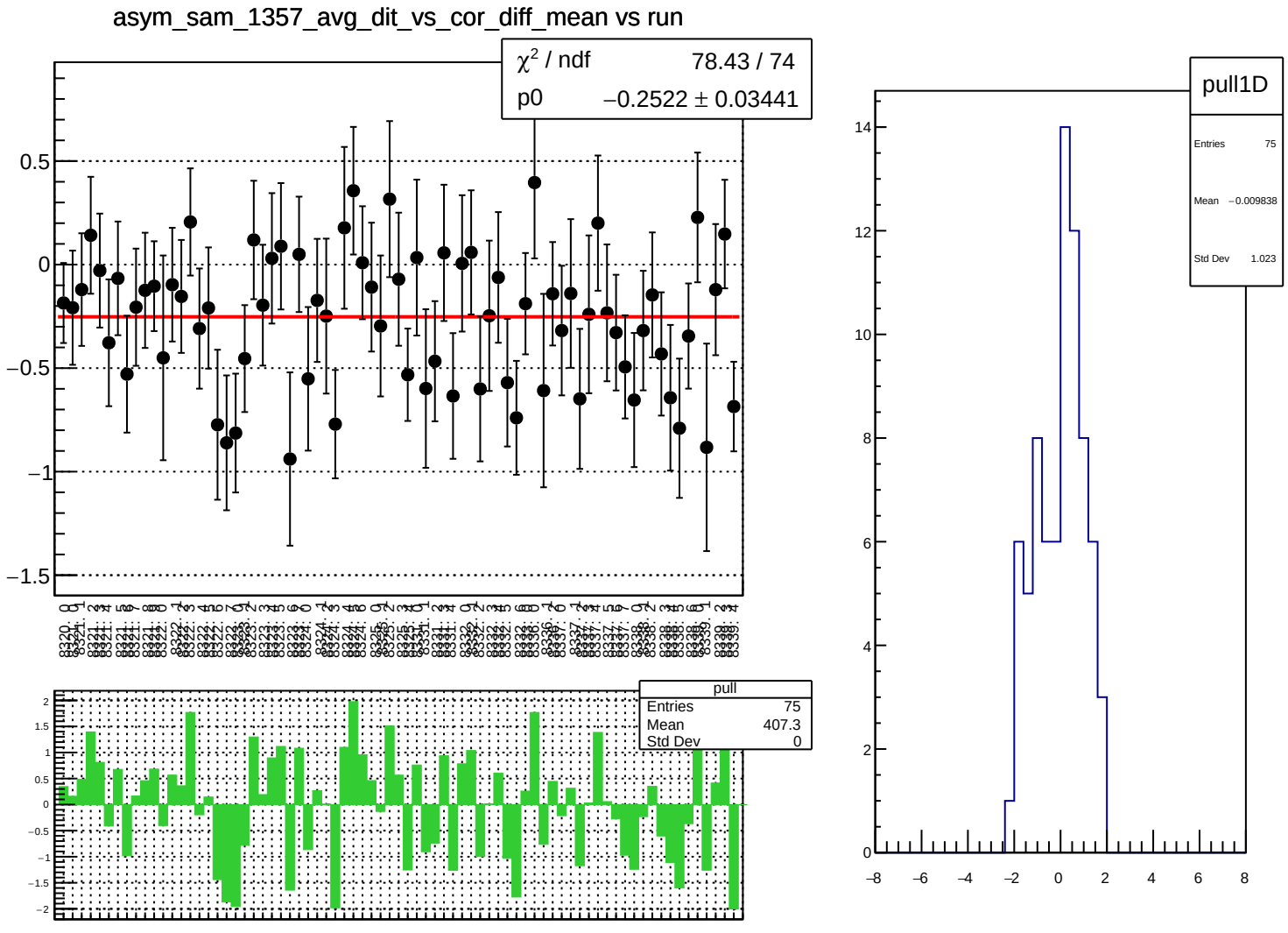

pull1D
Entries 75
Mean −0.003758
Std Dev 1.088

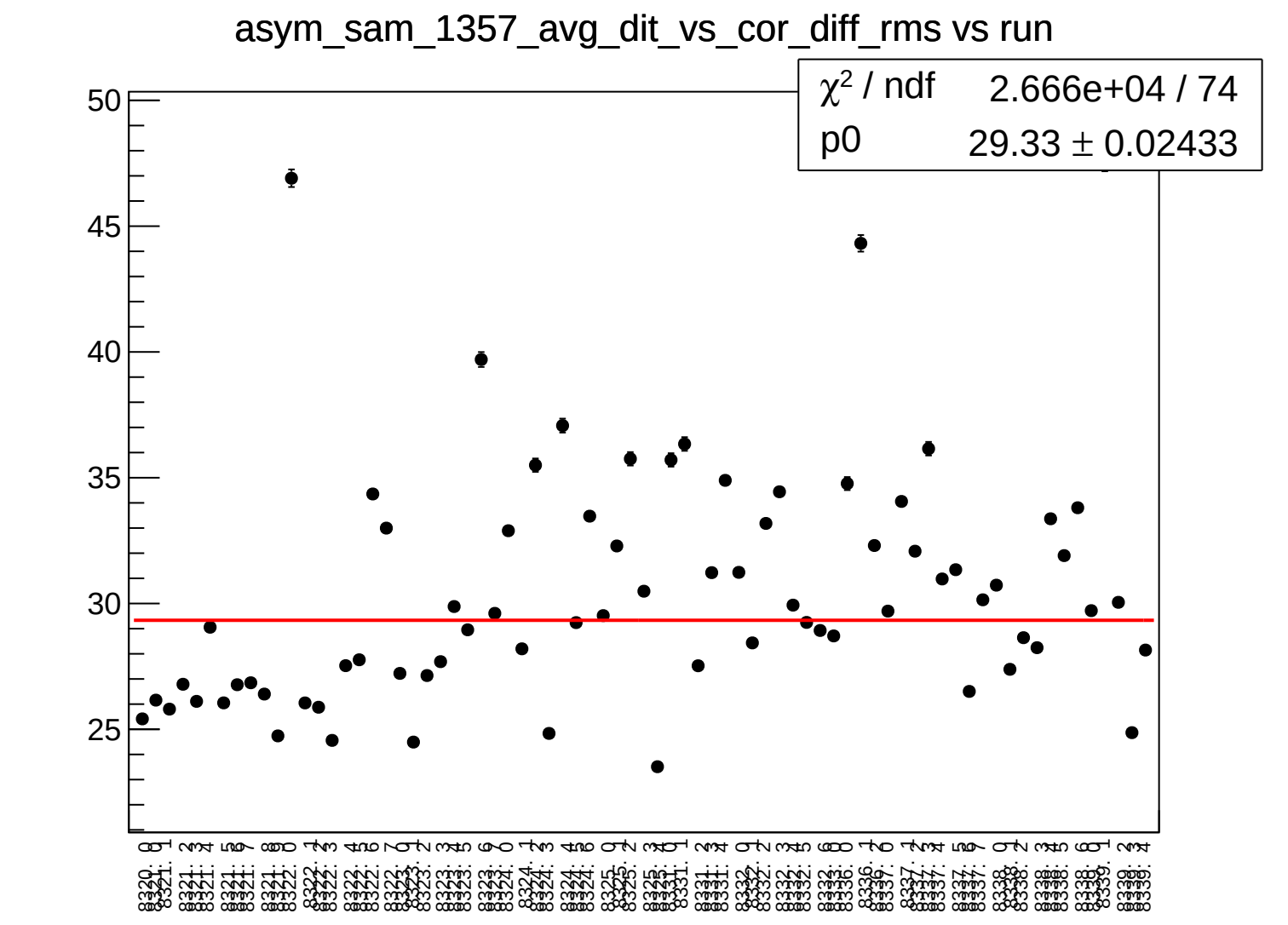

asym_sam_1357_avg_rms vs run
χ² / ndf 1229 / 74
p0 951.8 ± 0.7827
1020
1000
980
960
940
920
900
880

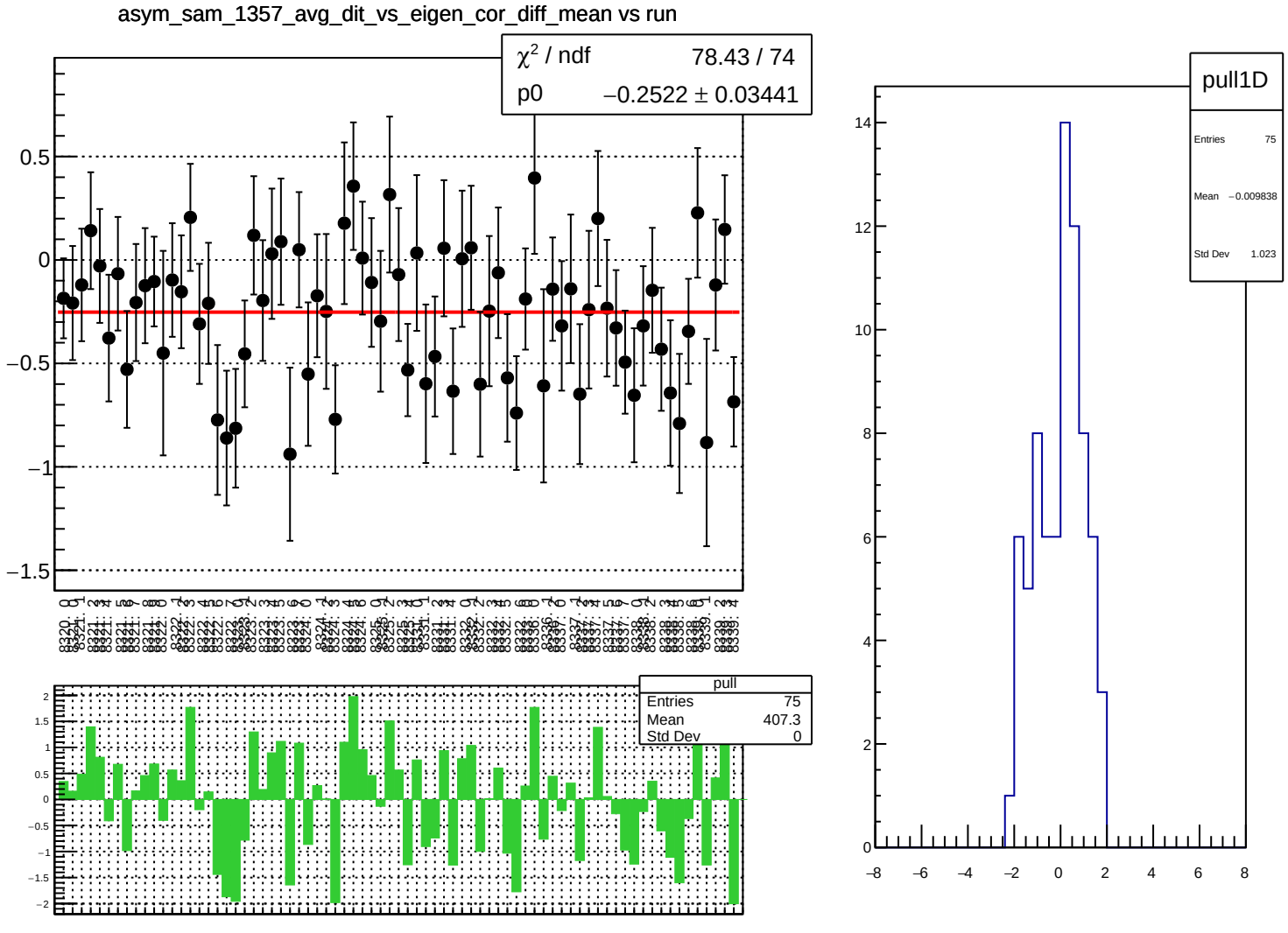

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 85.71 / 74
p0 −8.697e−14 ± 1.255e−13
pull
Entries 75
Mean 53.37
Std Dev 0

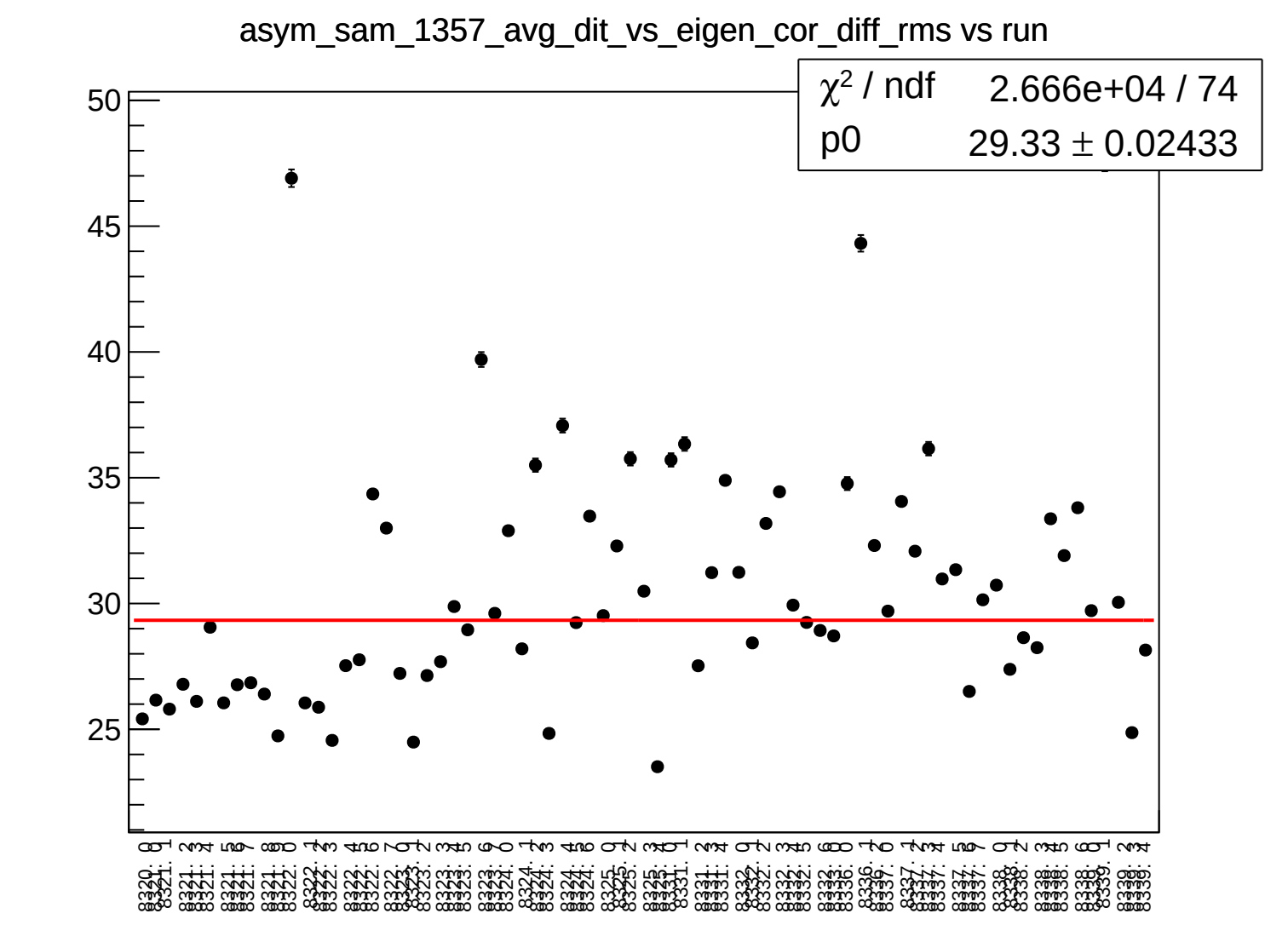

pull1D
Entries 75
Mean 0.03036
Std Dev 1.069

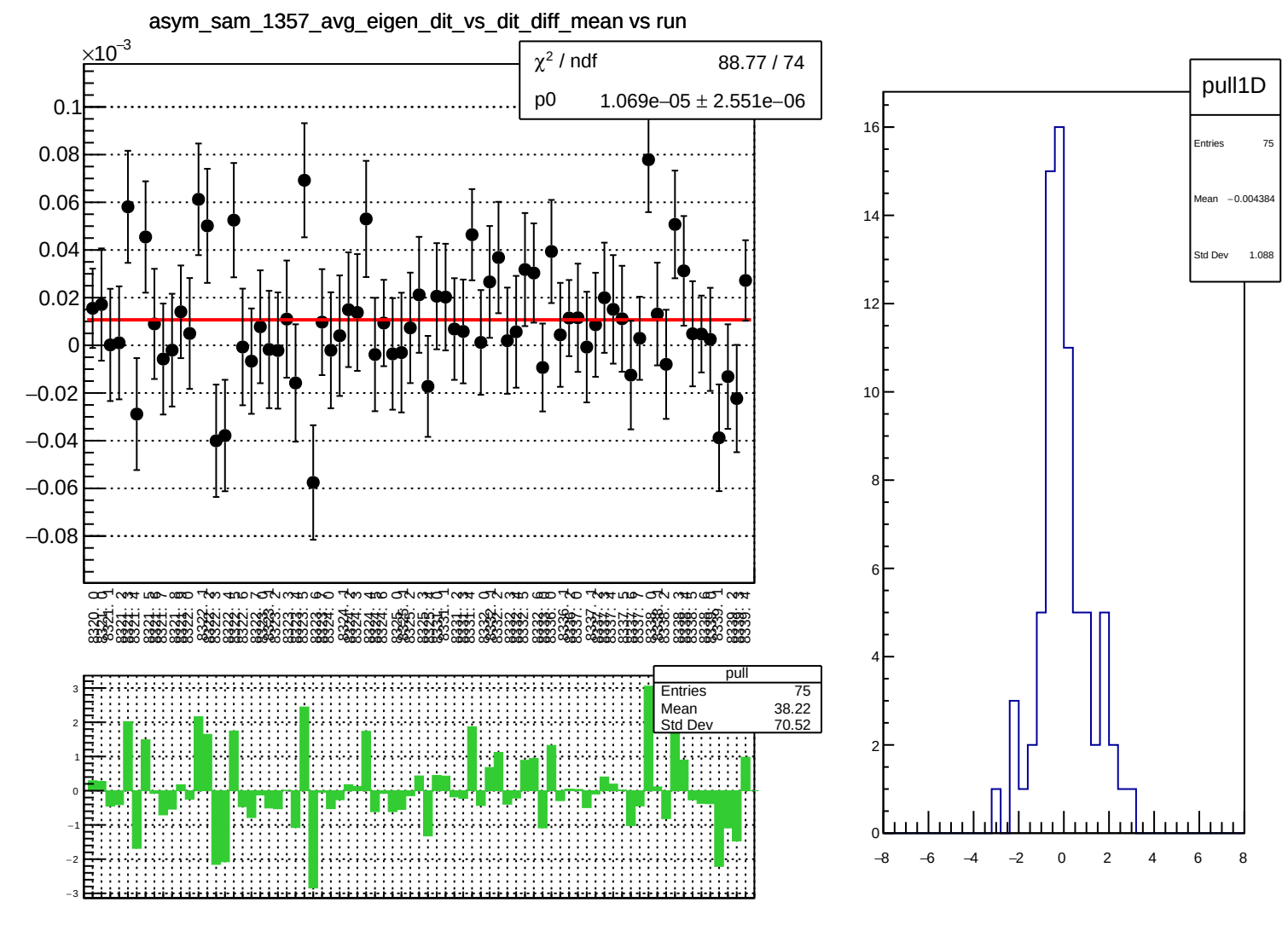

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.053e+05 / 74
p0 7.81e−11 ± 8.873e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0

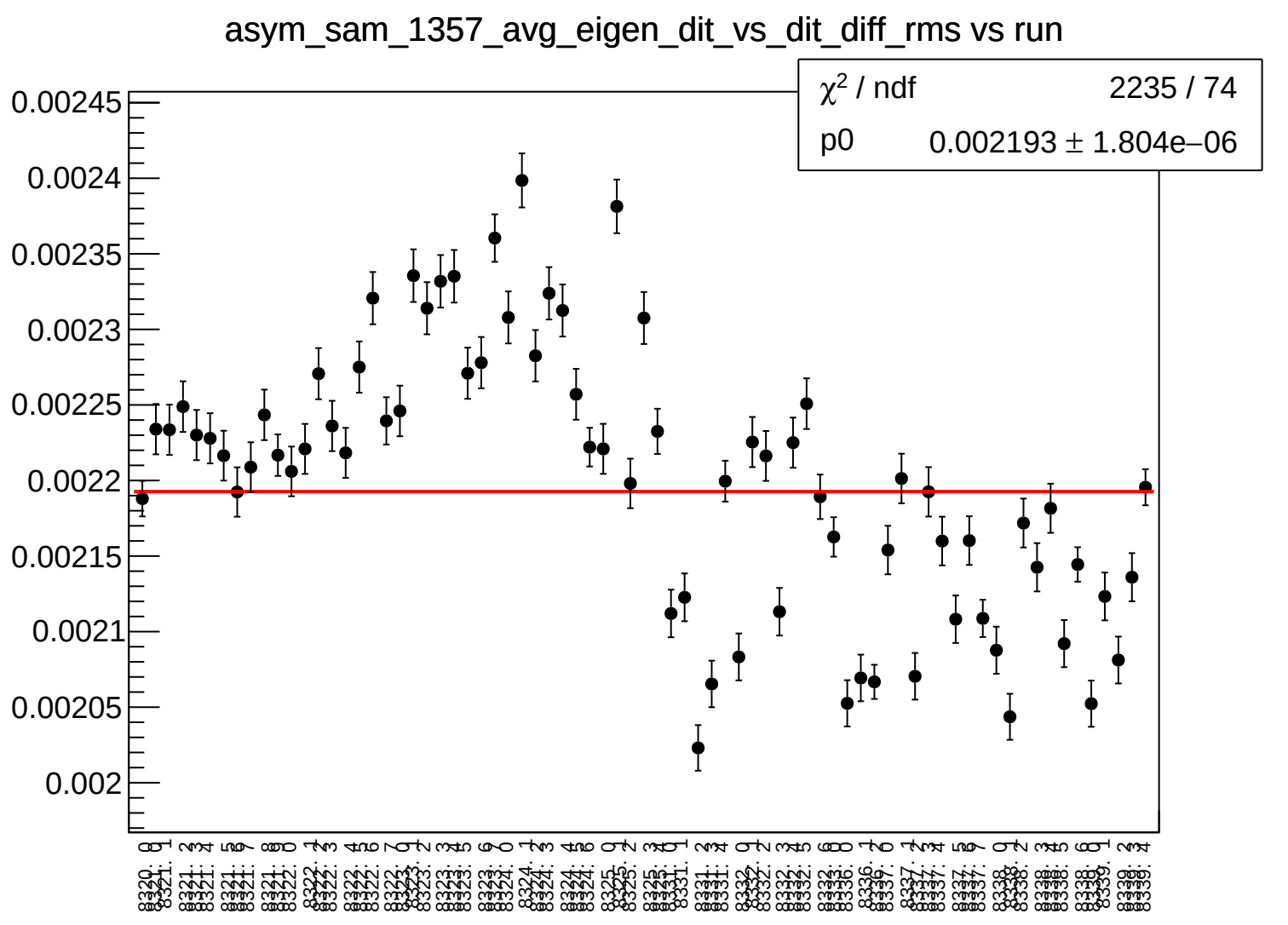

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 78.43 / 74
p0 −0.2522 ± 0.03441
pull
Entries 75
Mean 407.3
Std Dev 0
pull1D
Entries 75
Mean −0.009838
Std Dev 1.023

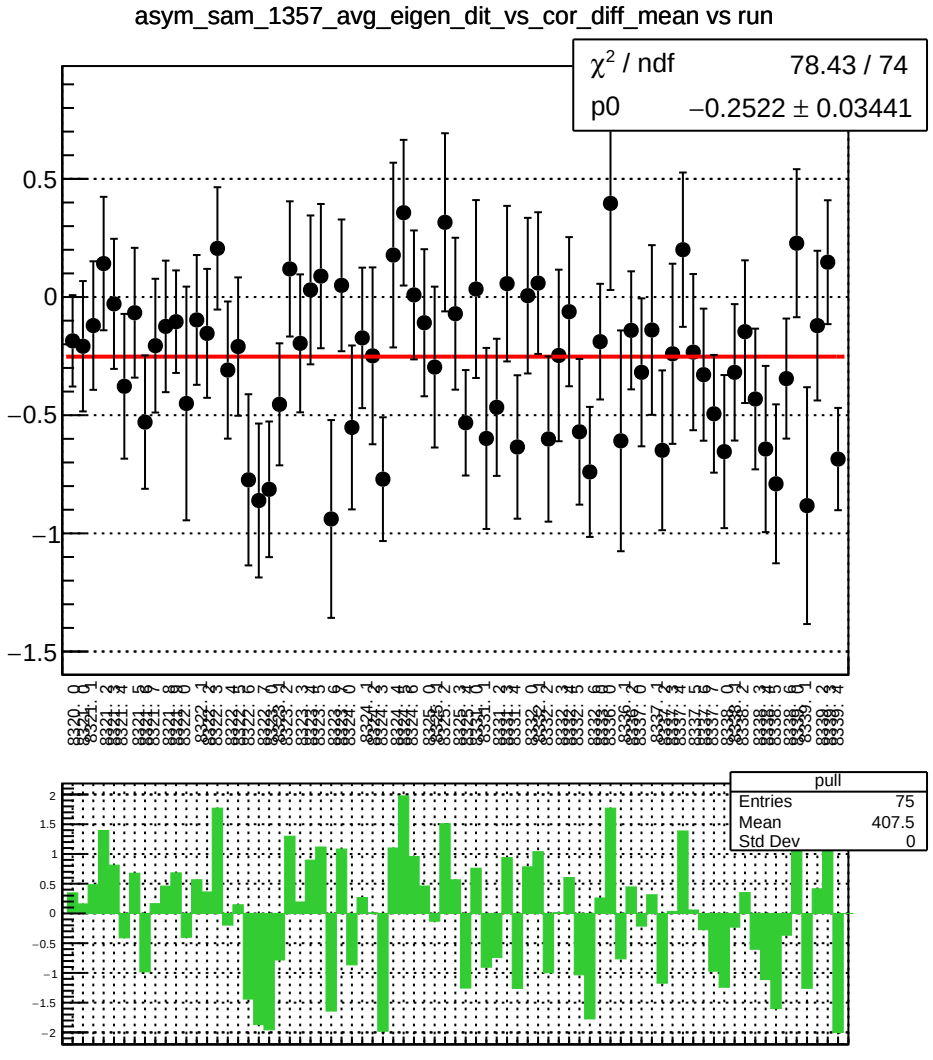

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.666e+04 / 74
p0 29.33 ± 0.02433
50
45
40
35
30
25

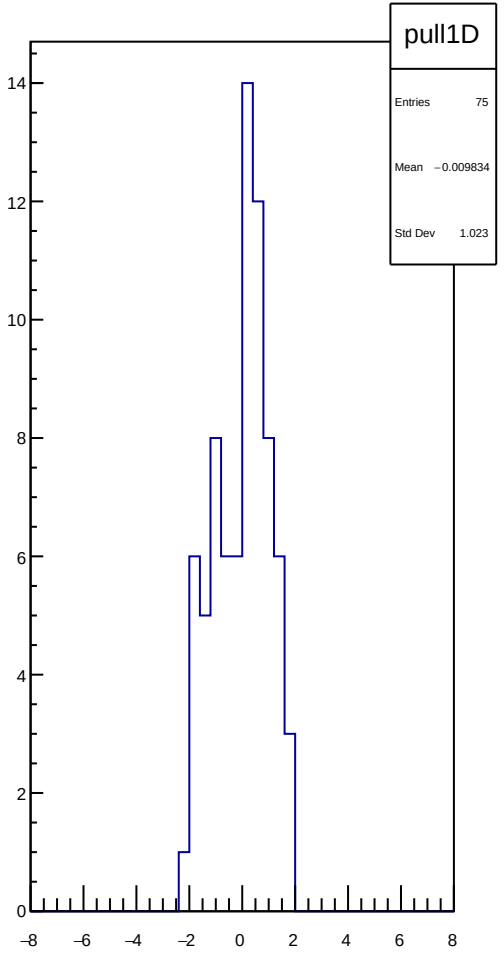

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.43 / 74
p0 −0.2522 ± 0.03441
pull
Entries 75
Mean 407.3
Std Dev 0
pull1D
Entries 75
Mean −0.009838
Std Dev 1.023

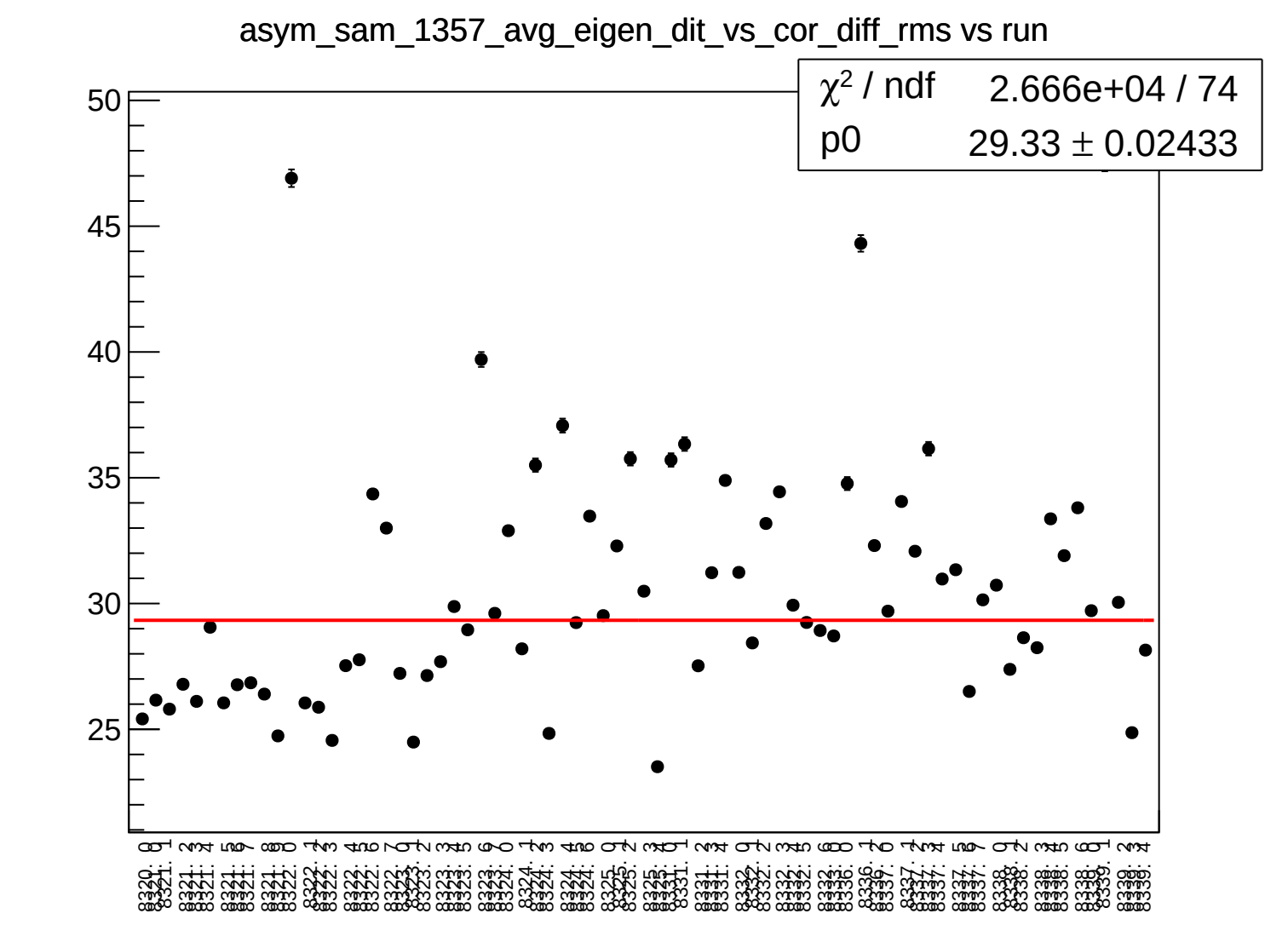

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.666e+04 / 74
p0 29.33 ± 0.02433
50
45
40
35
30
25

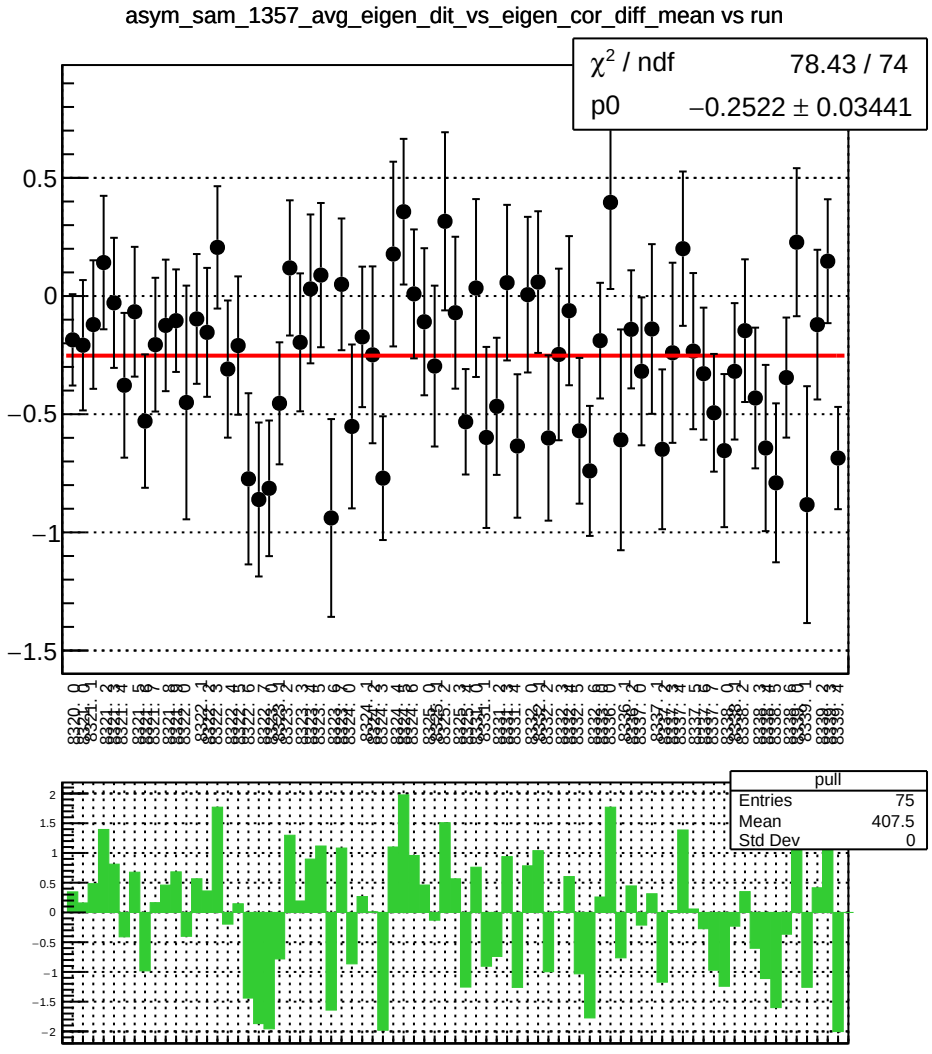

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 88.77 / 74
p0 1.069e−05 ± 2.551e−06
pull
Entries 75
Mean 38.22
Std Dev 70.52
pull1D
Entries 75
Mean −0.004384
Std Dev 1.088

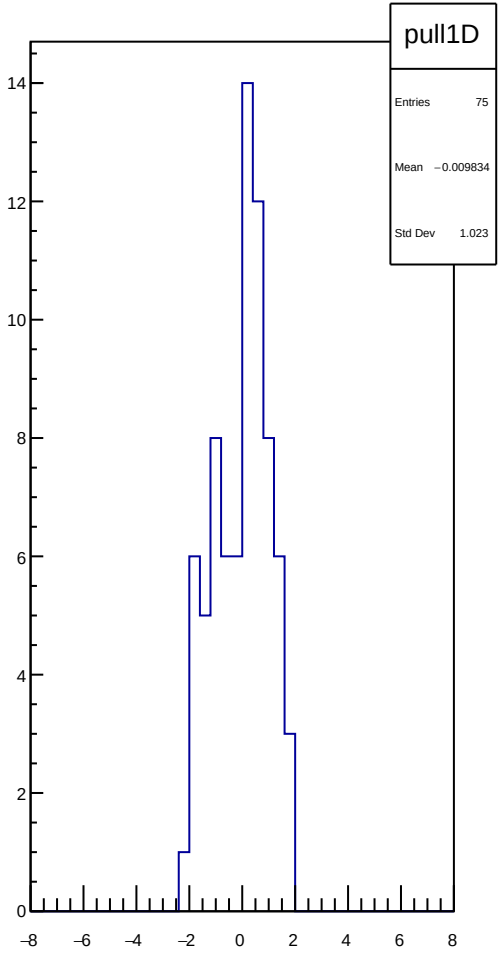

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2235 / 74
p0 0.002193 ± 1.804e−06
0.00245
0.0024
0.00235
0.0023
0.00225
0.0022
0.00215
0.0021
0.00205
0.002

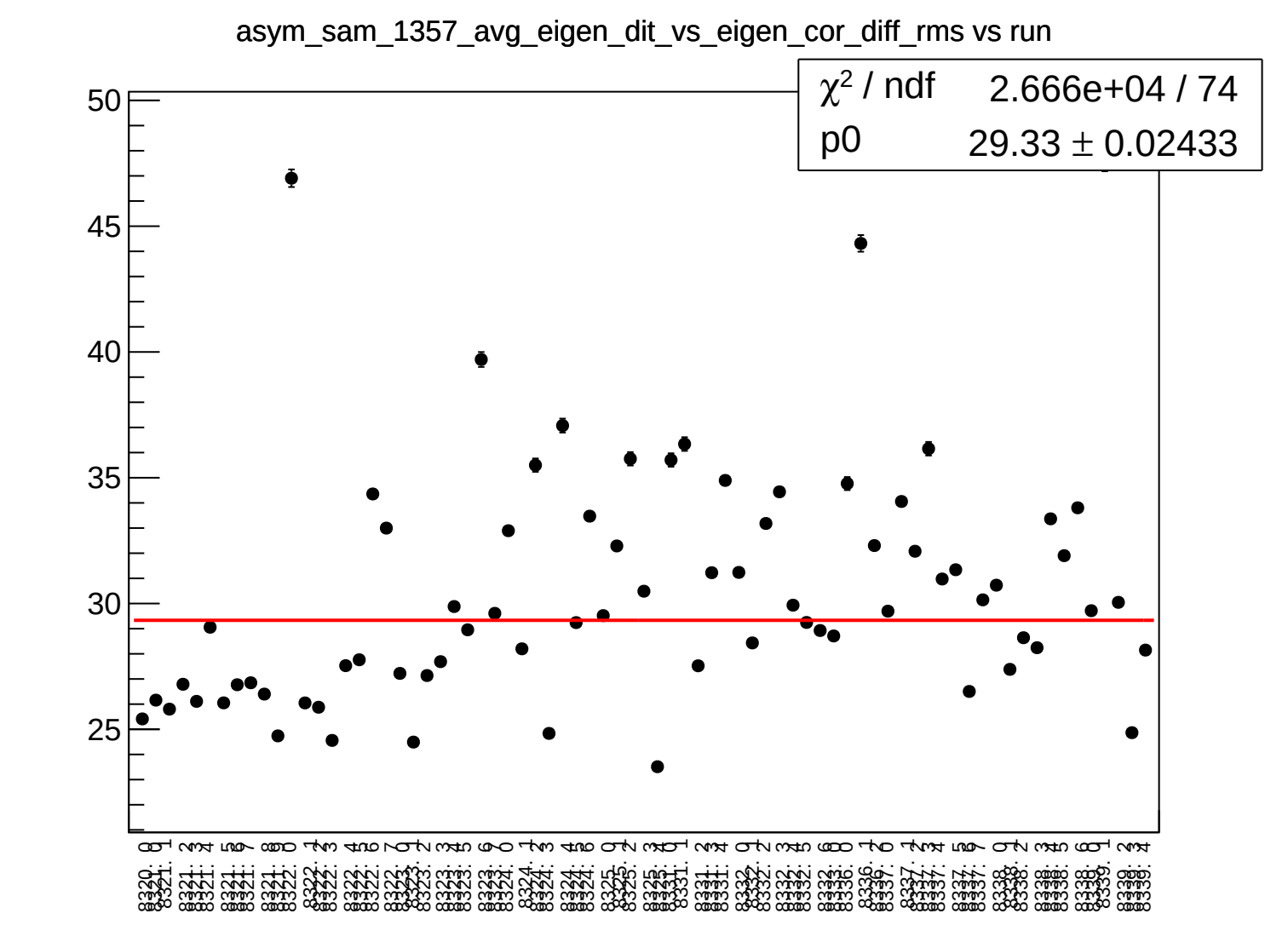

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 78.43 / 74
p0 −0.2522 ± 0.03441
pull
Entries 75
Mean 407.5
Std Dev 0

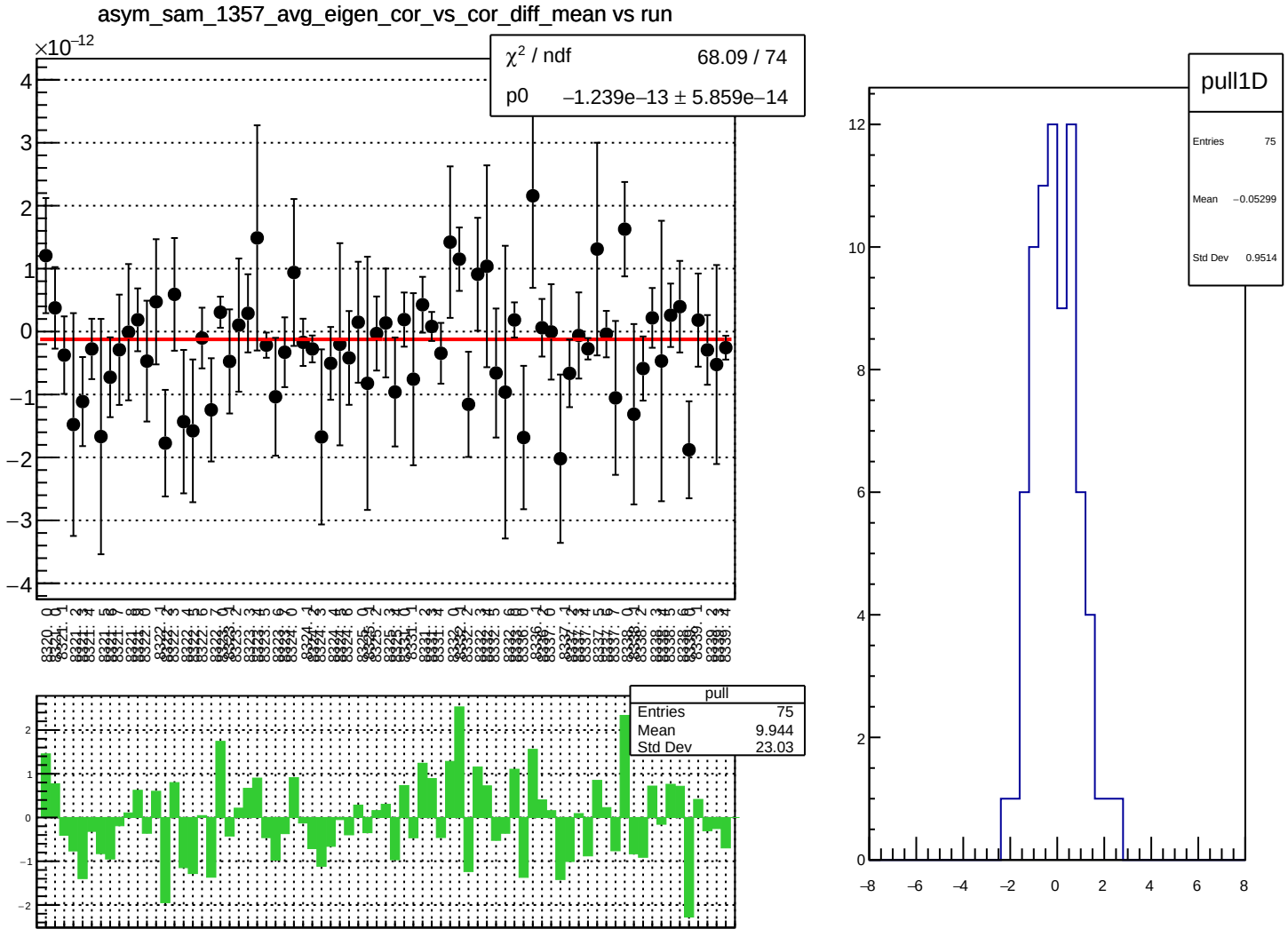

pull1D
Entries 75
Mean −0.009834
Std Dev 1.023

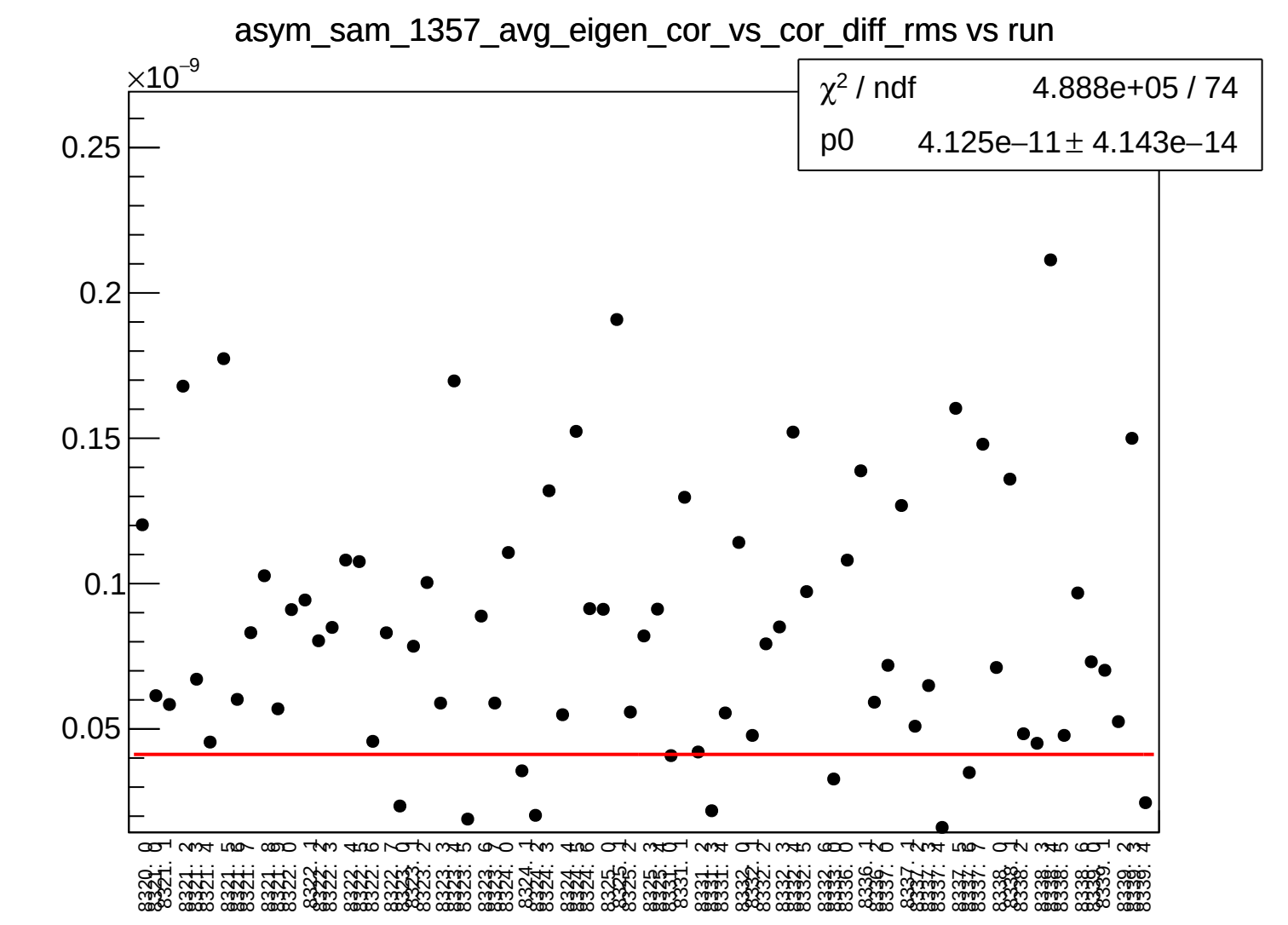

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.666e+04 / 74
p0 29.33 ± 0.02433
50
45
40
35
30
25

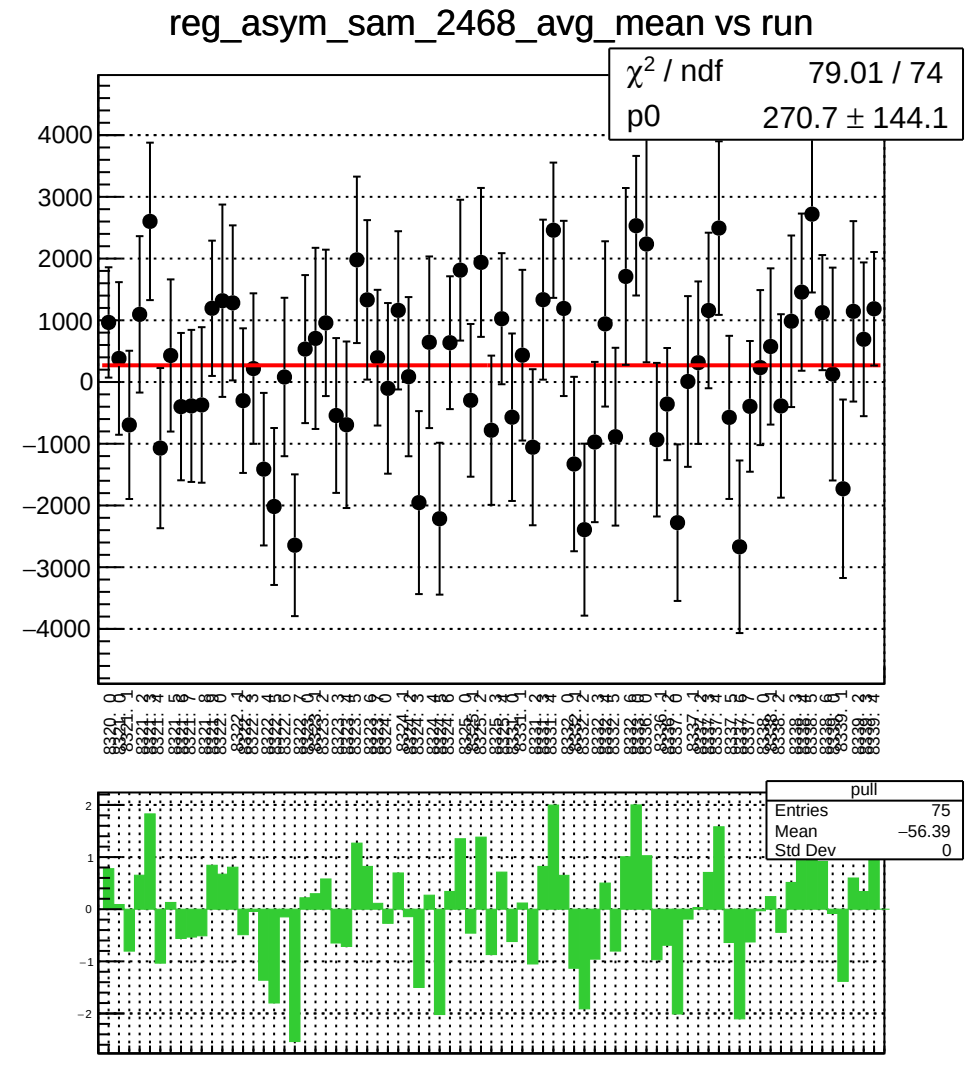

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 78.43 / 74
p0 −0.2522 ± 0.03441
pull
Entries 75
Mean 407.5
Std Dev 0

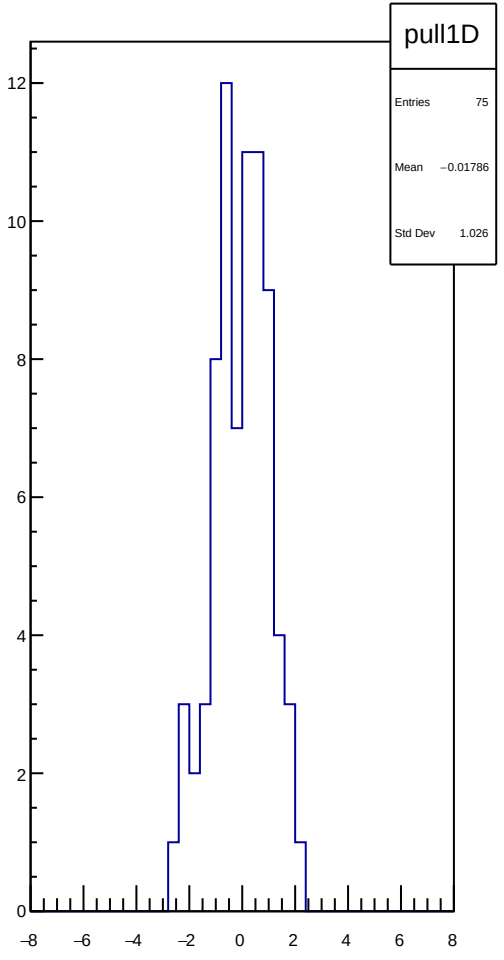

pull1D
Entries 75
Mean −0.009834
Std Dev 1.023

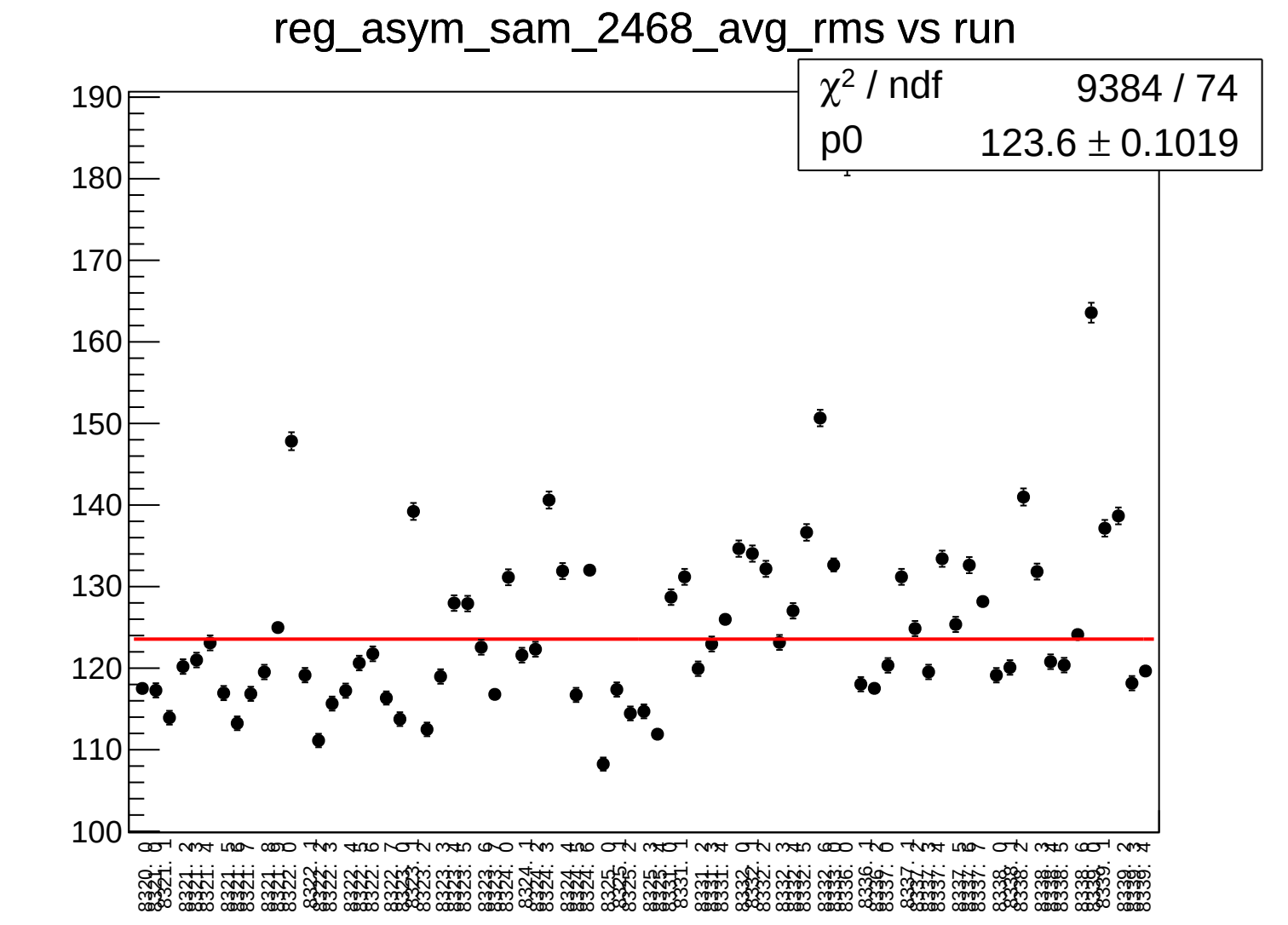

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.666e+04 / 74
p0 29.33 ± 0.02433
50
45
40
35
30
25

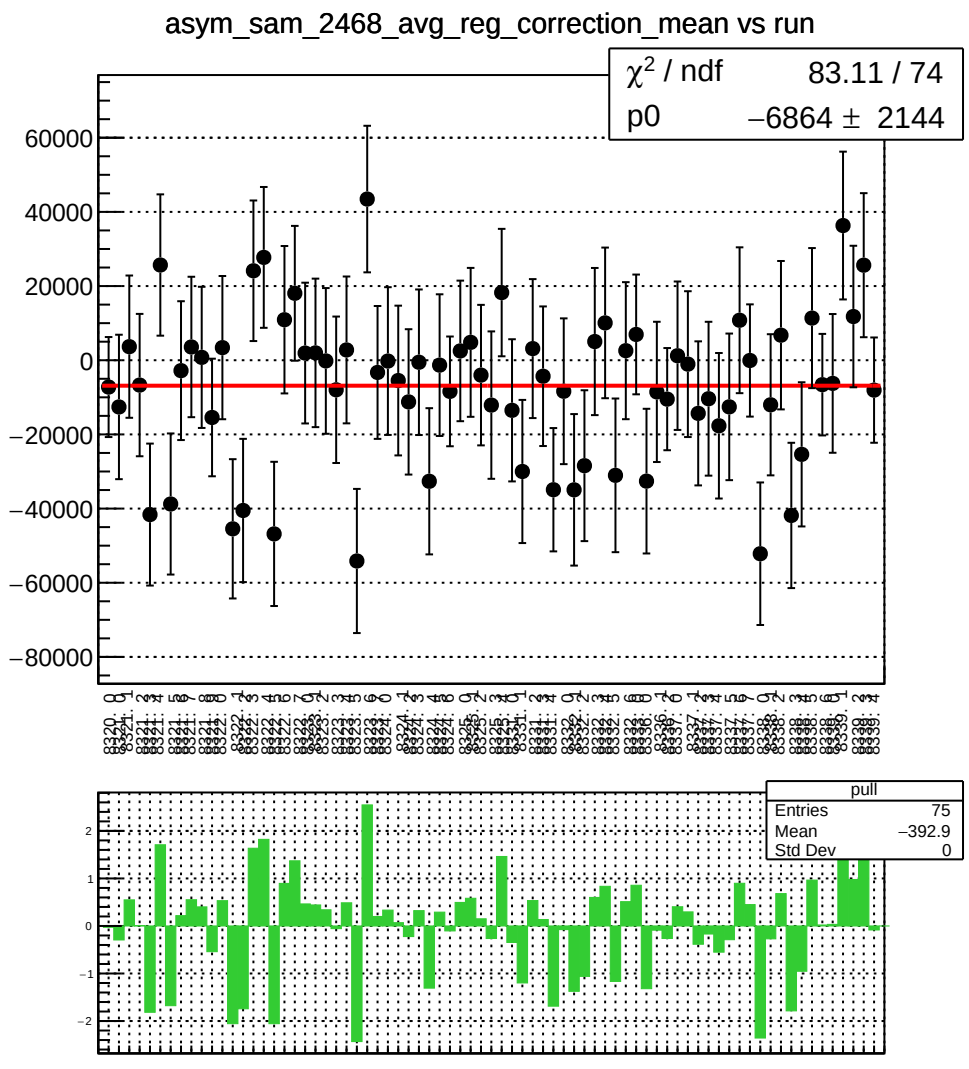

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.09 / 74
p0 −1.239e−13 ± 5.859e−14
pull
Entries 75
Mean 9.944
Std Dev 23.03
pull1D
Entries 75
Mean −0.05299
Std Dev 0.9514

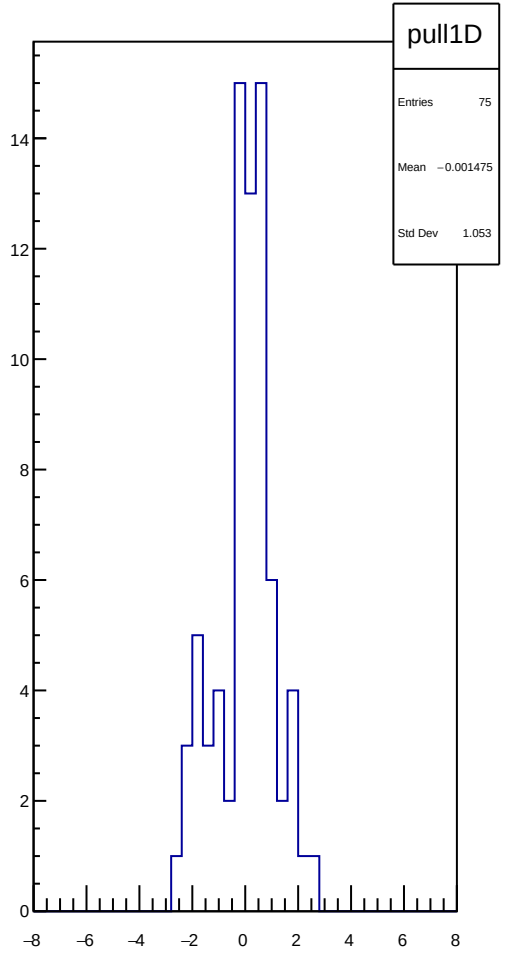

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.888e+05 / 74
p0 4.125e−11 ± 4.143e−14
0.25
0.2
0.15
0.1
0.05

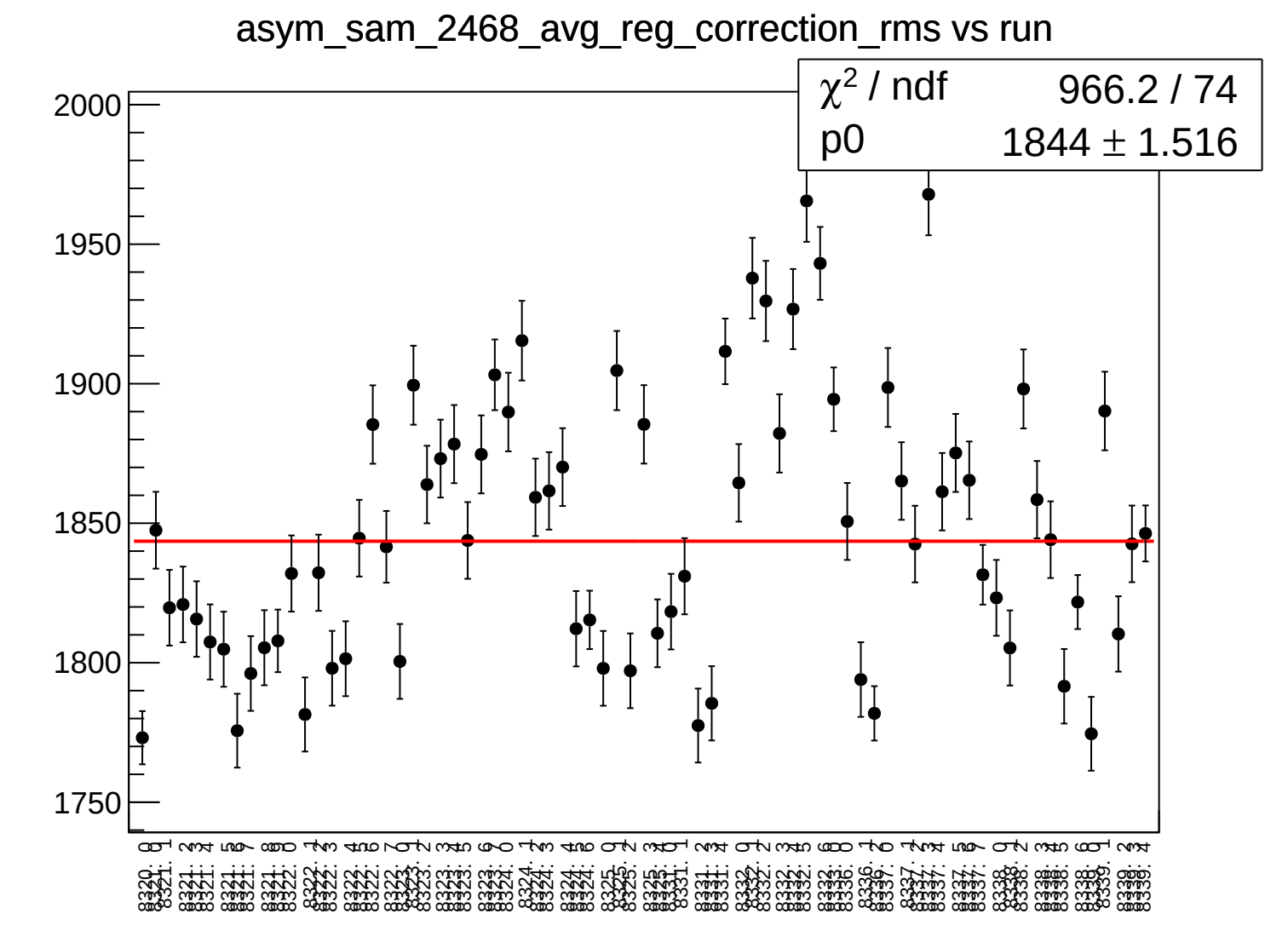

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 79.01 / 74
p0 270.7 ± 144.1
pull
Entries 75
Mean −56.39
Std Dev 0

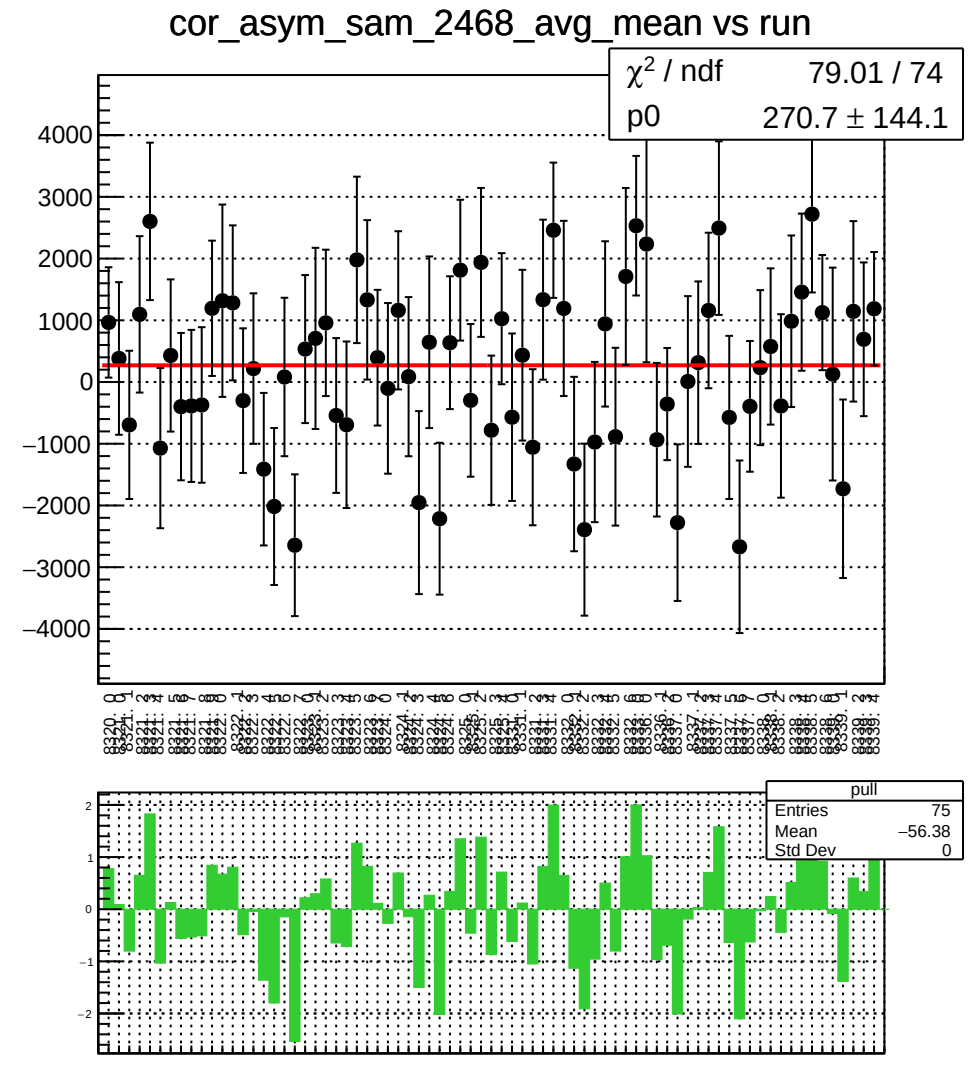

pull1D
Entries 75
Mean −0.01786
Std Dev 1.026

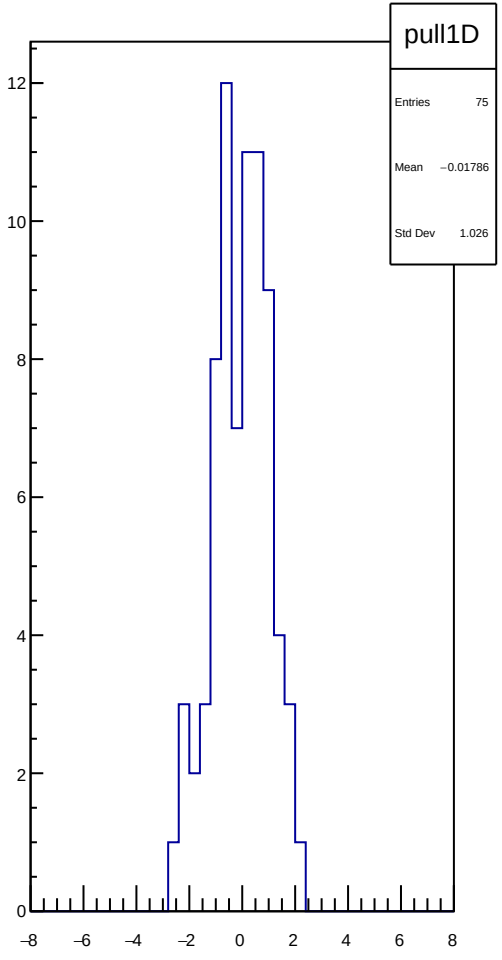

reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 9384 / 74
p0 123.6 ± 0.1019
190
180
170
160
150
140
130
120
110
100

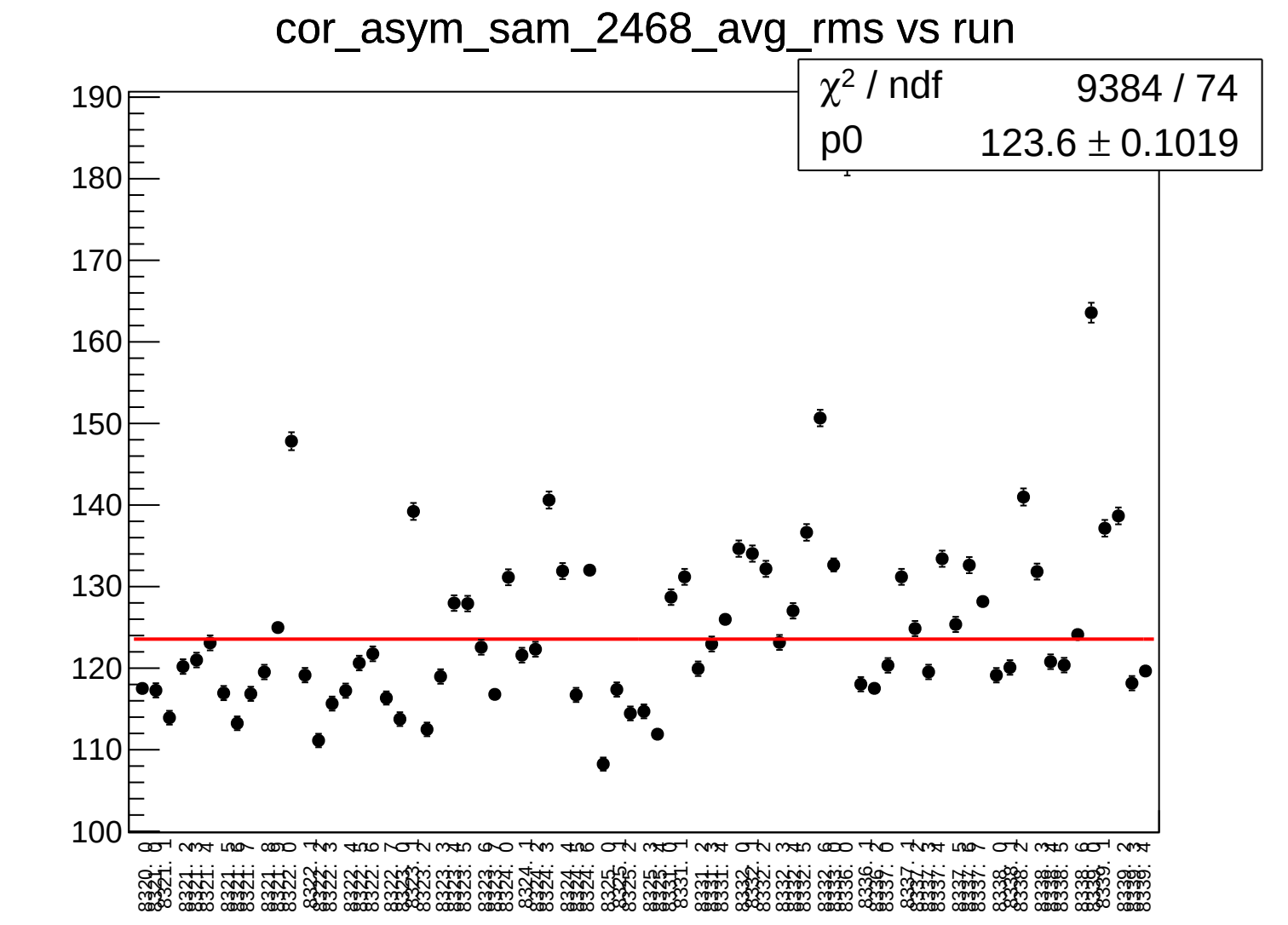

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 83.11 / 74
p0 −6864 ± 2144
pull
Entries 75
Mean −392.9
Std Dev 0

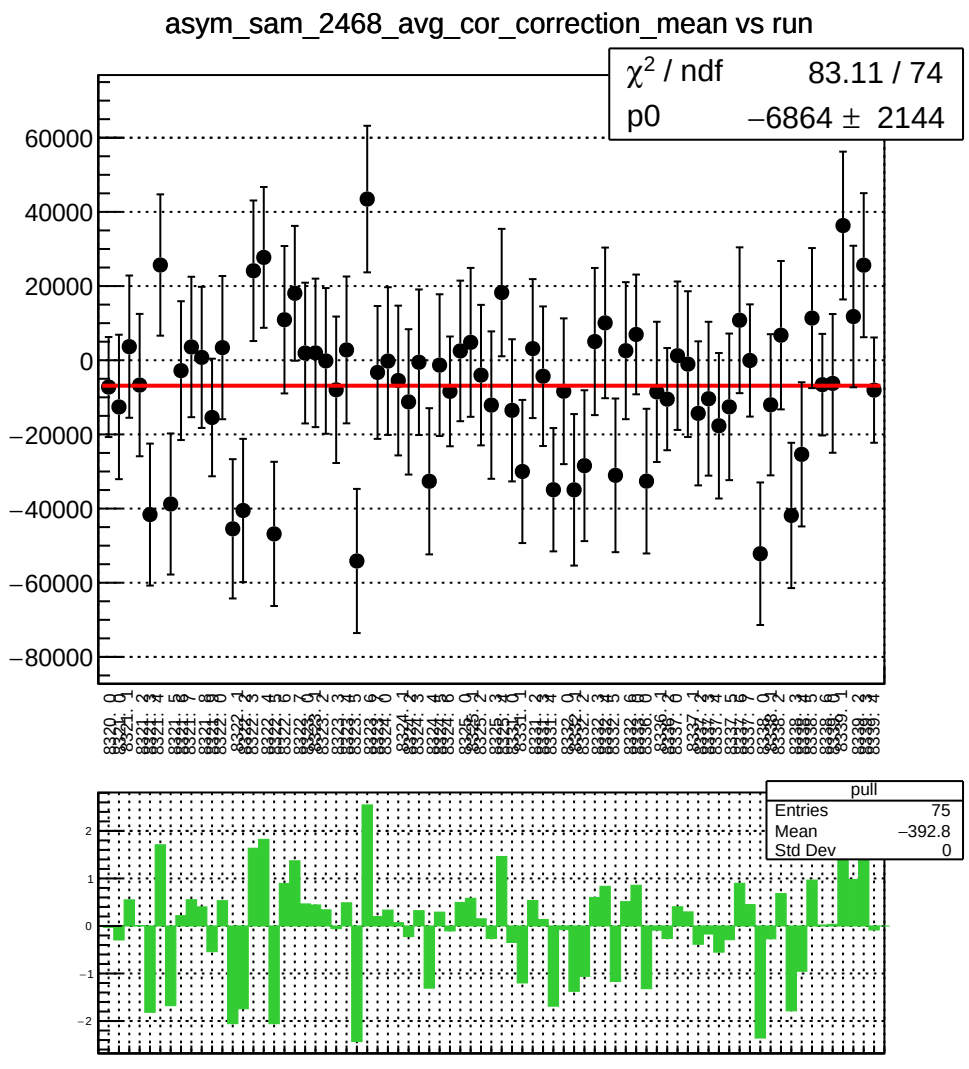

pull1D
Entries 75
Mean −0.001475
Std Dev 1.053

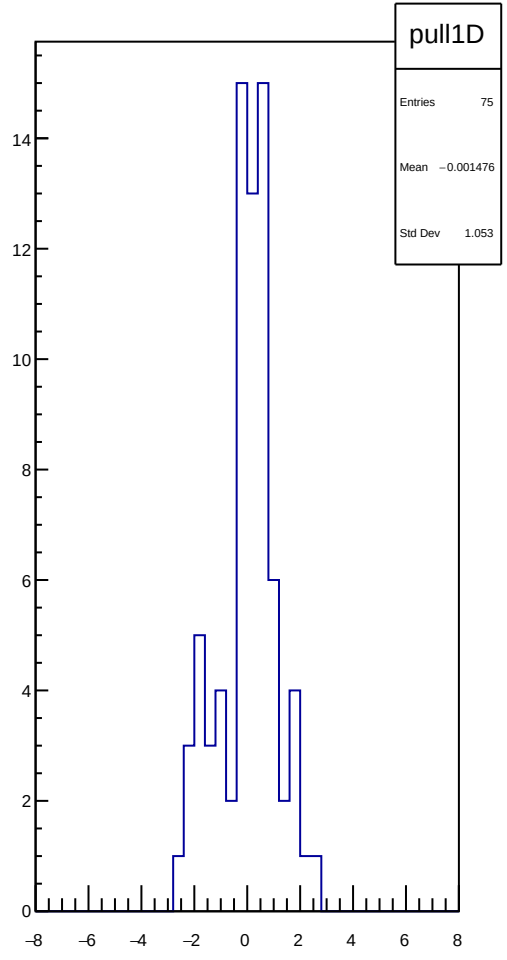

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 966.2 / 74
p0 1844 ± 1.516
2000
1950
1900
1850
1800
1750

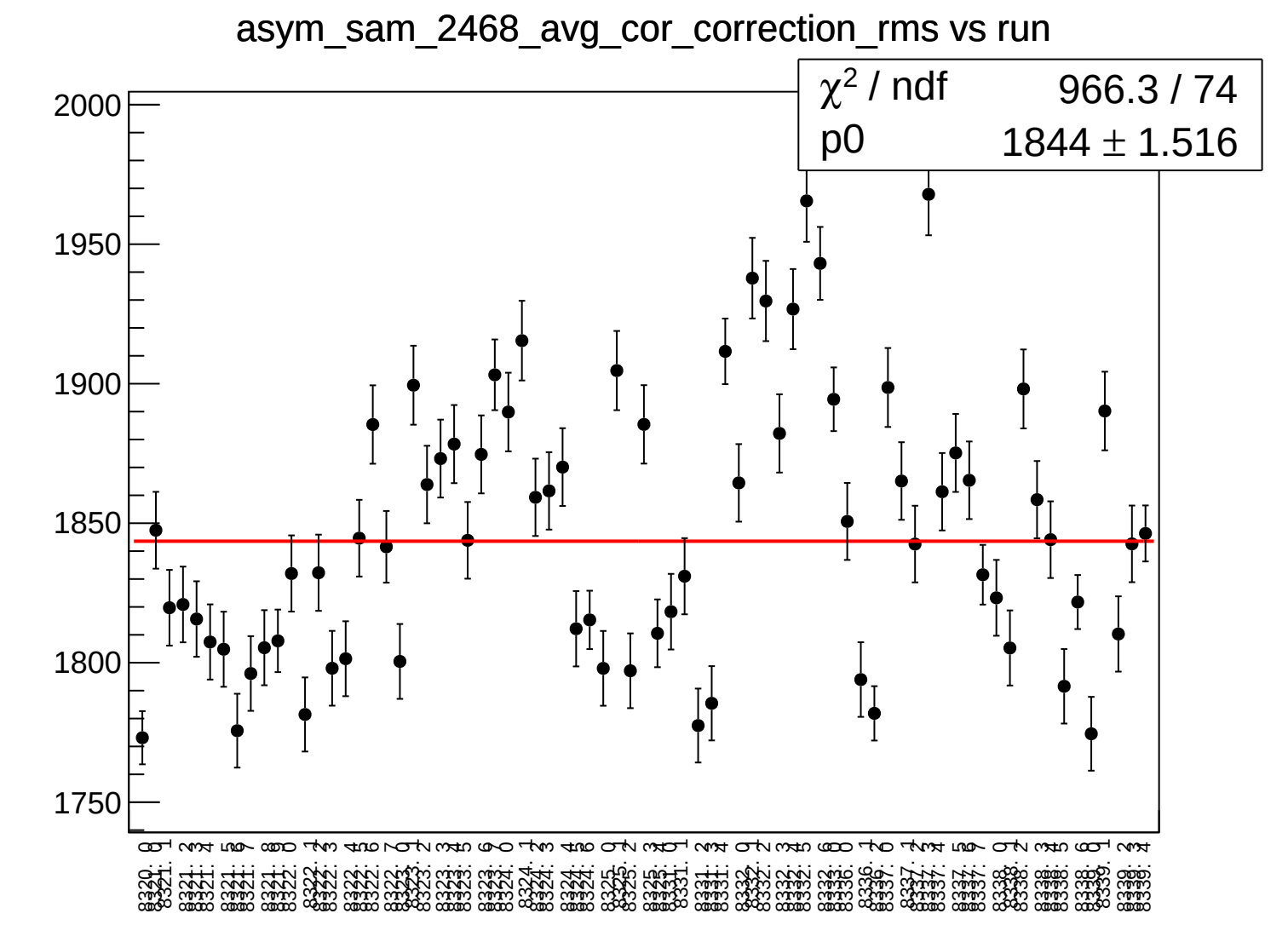

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 79.01 / 74
p0 270.7 ± 144.1
pull
Entries 75
Mean −56.38
Std Dev 0

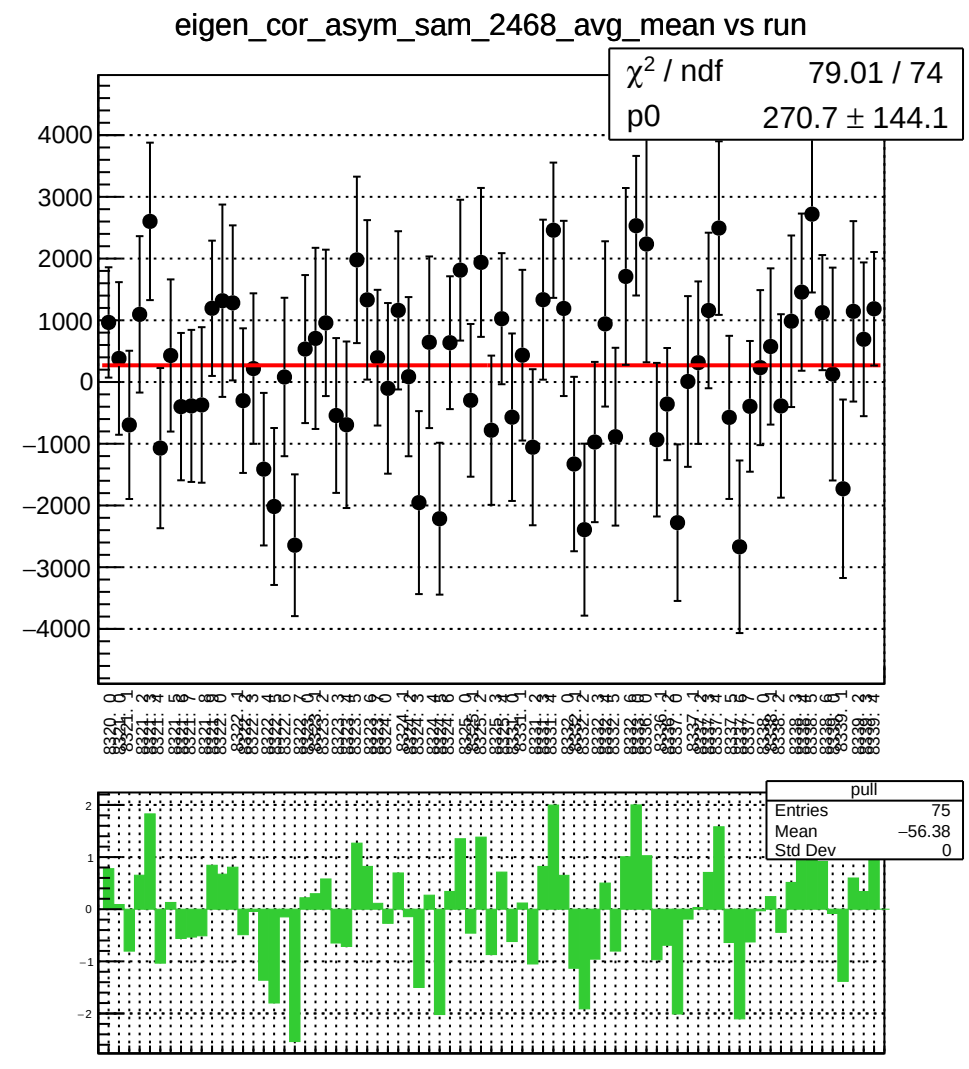

pull1D
Entries 75
Mean −0.01786
Std Dev 1.026

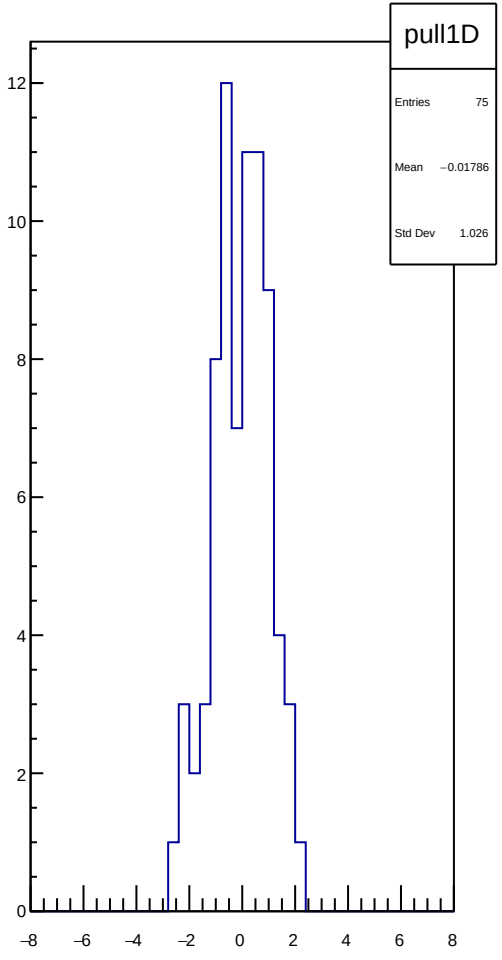

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 9384 / 74
p0 123.6 ± 0.1019
190
180
170
160
150
140
130
120
110
100

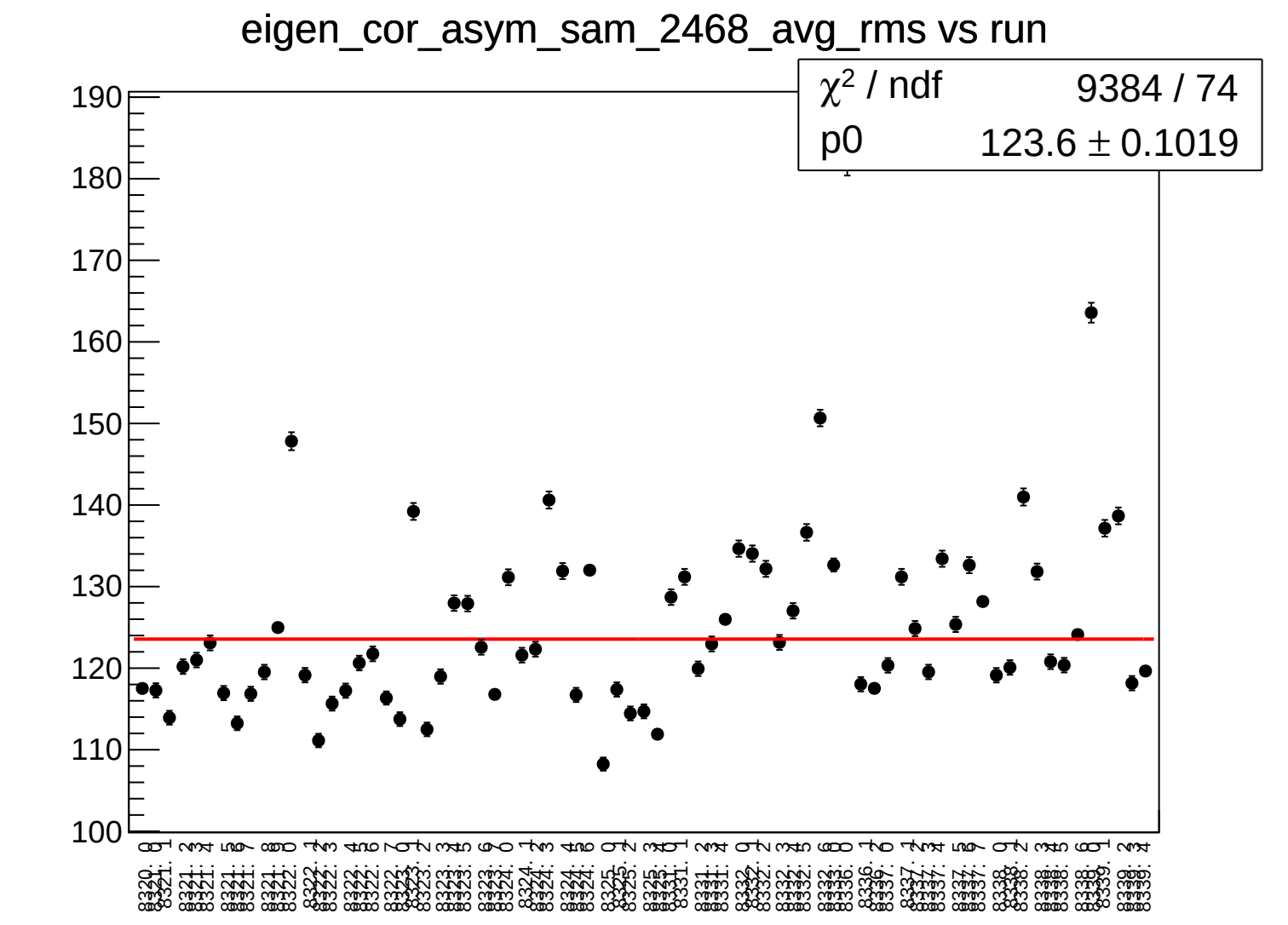

asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 83.11 / 74
p0 −6864 ± 2144
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −392.8
Std Dev 0
2
1
0
−1
−2

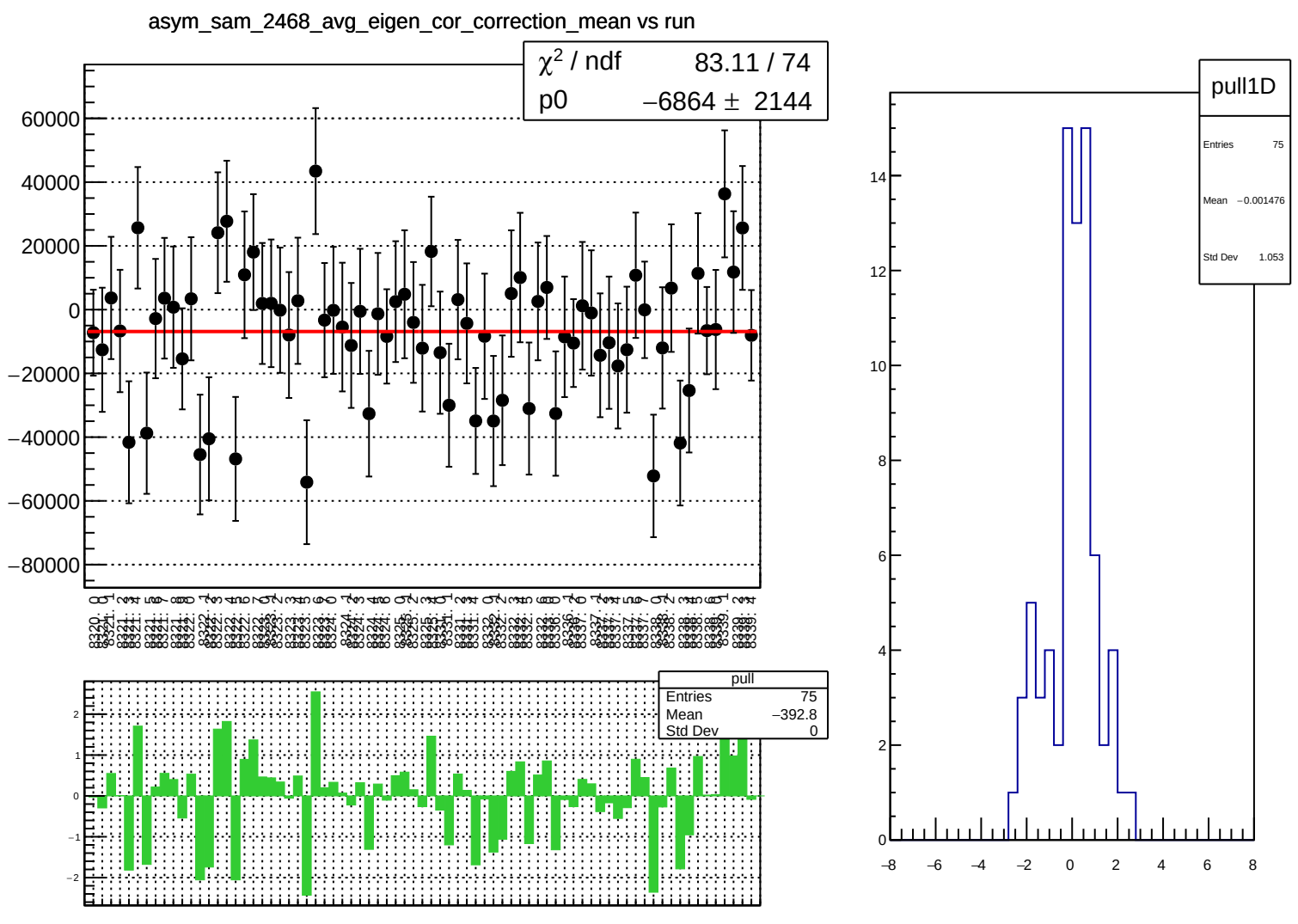

pull1D
Entries 75
Mean −0.001476
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

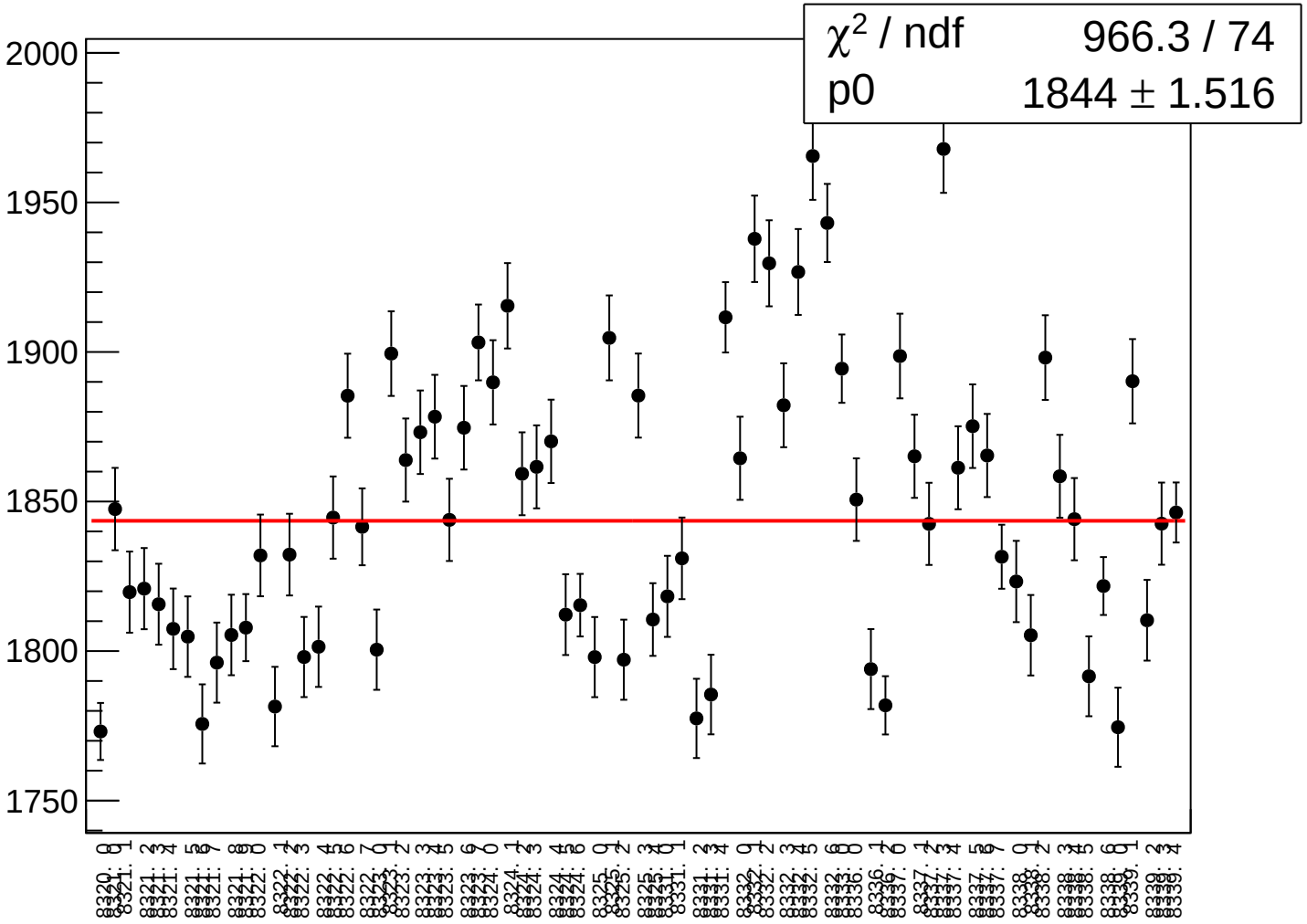

asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 966.3 / 74
p0 1844 ± 1.516
2000
1950
1900
1850
1800
1750

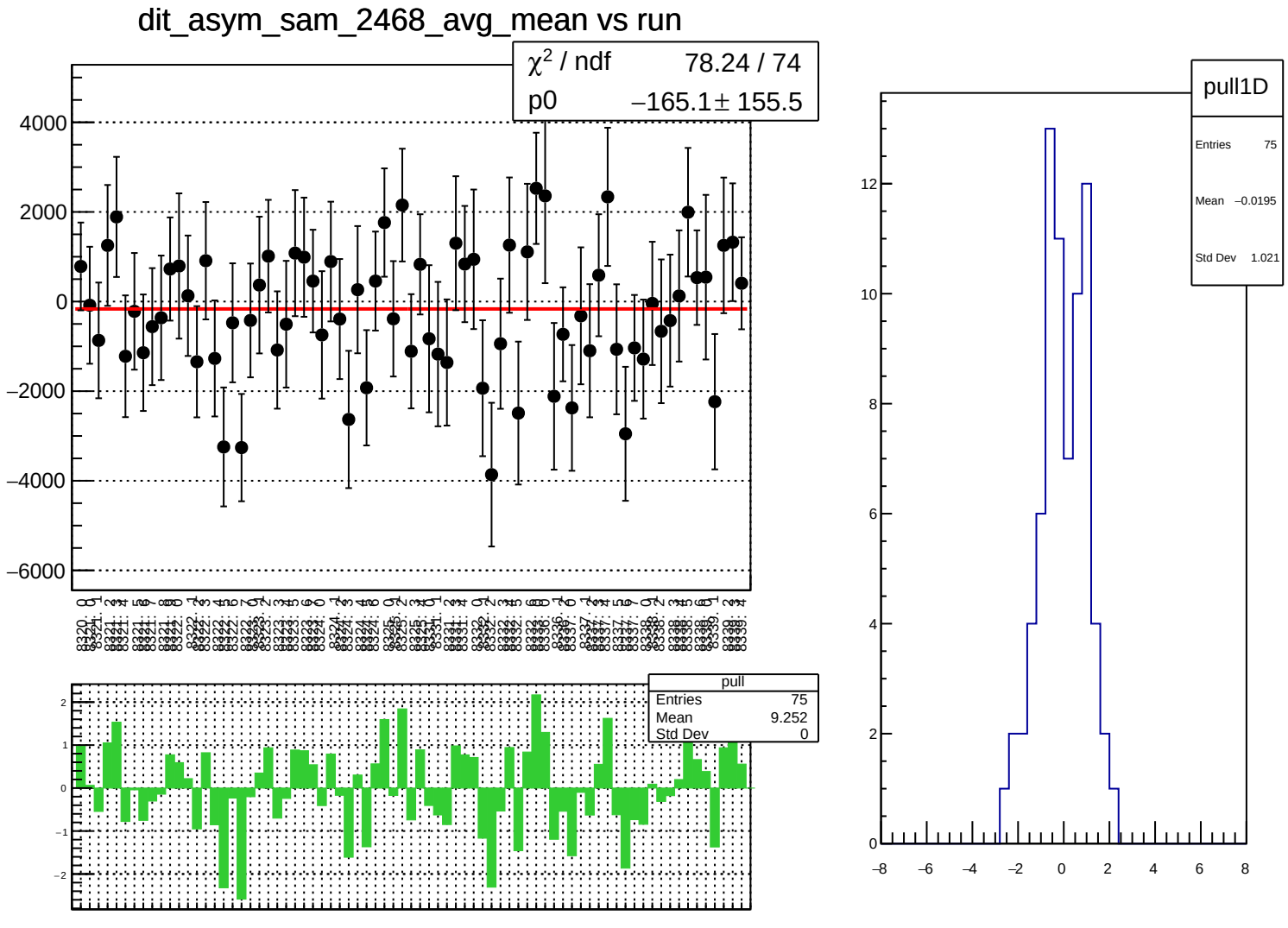

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 79.01 / 74
p0 270.7 ± 144.1
pull
Entries 75
Mean −56.38
Std Dev 0

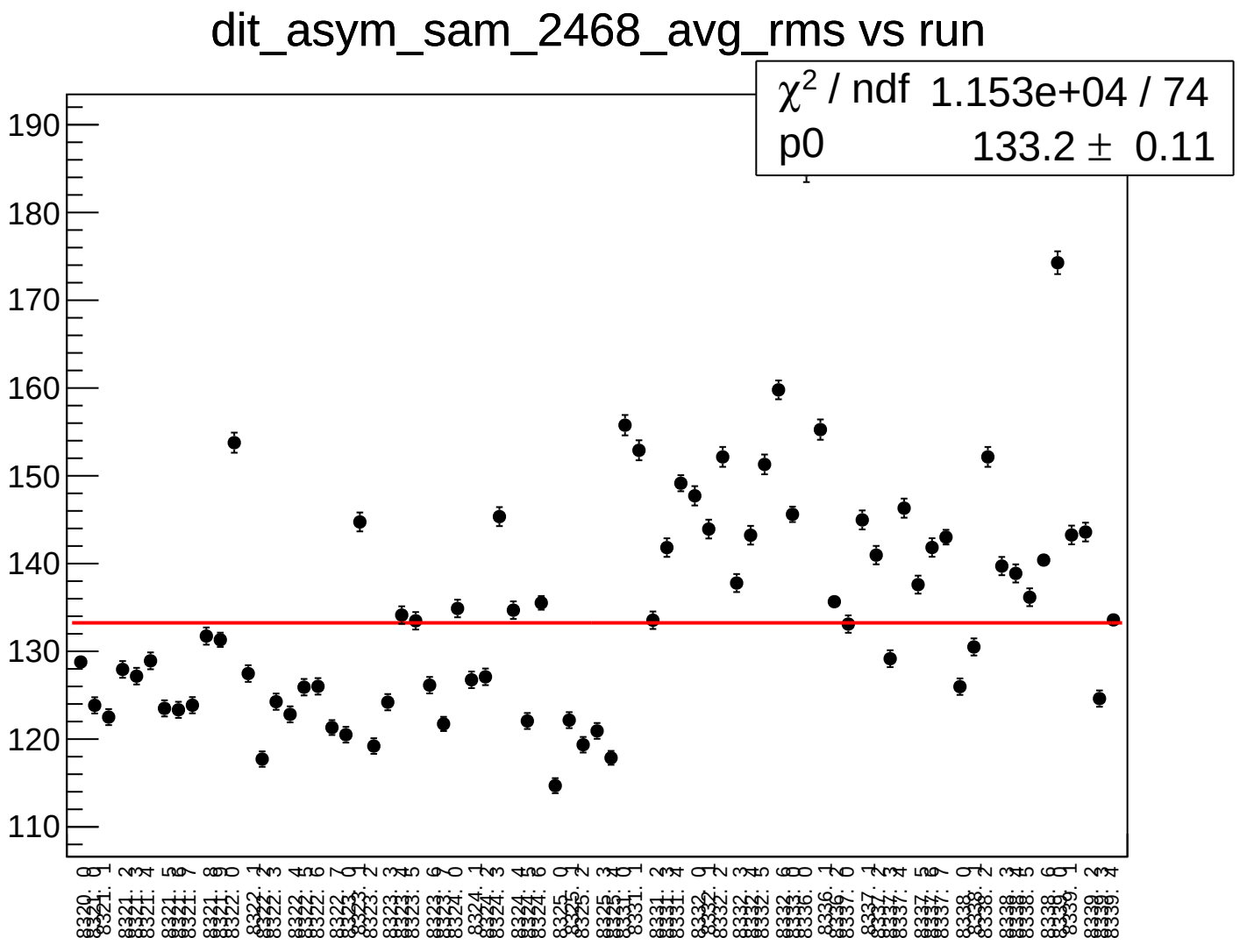

pull1D
Entries 75
Mean −0.01786
Std Dev 1.026

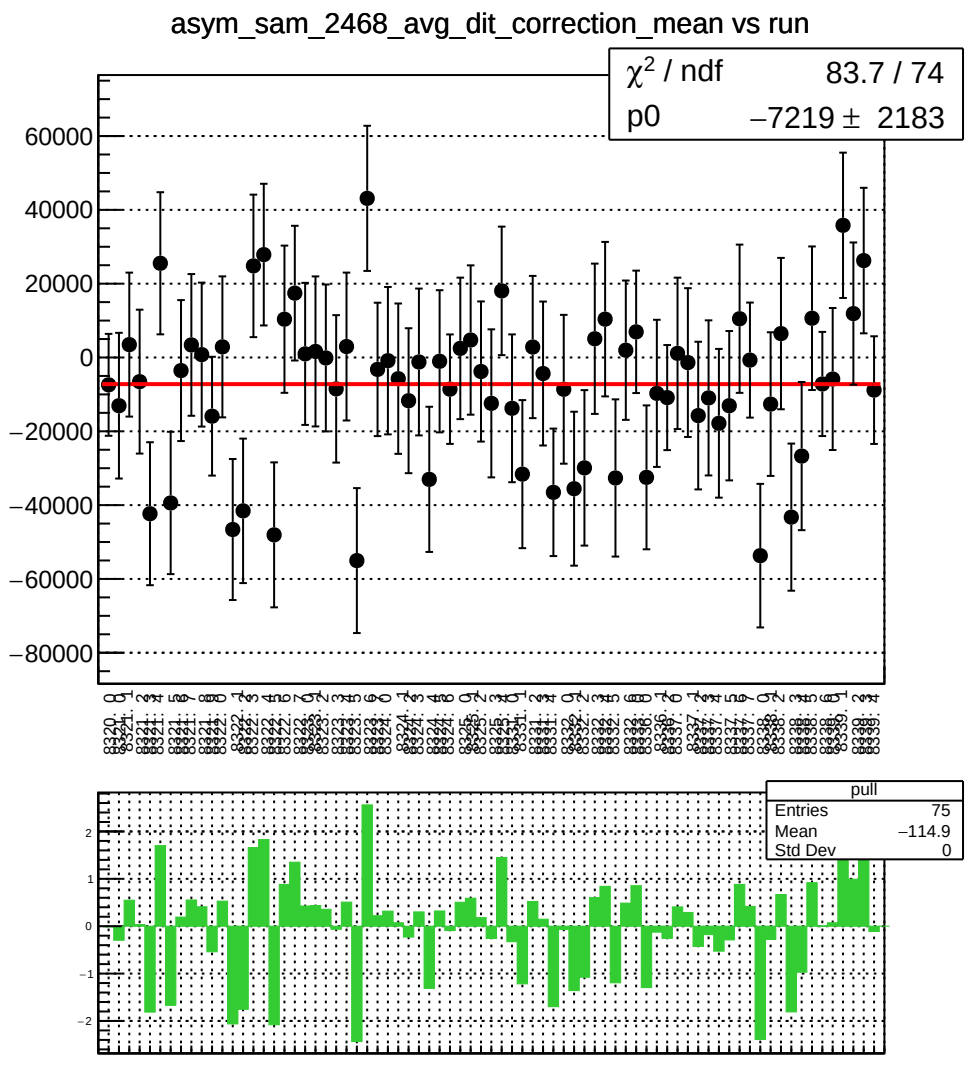

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 9384 / 74
p0 123.6 ± 0.1019
190
180
170
160
150
140
130
120
110
100

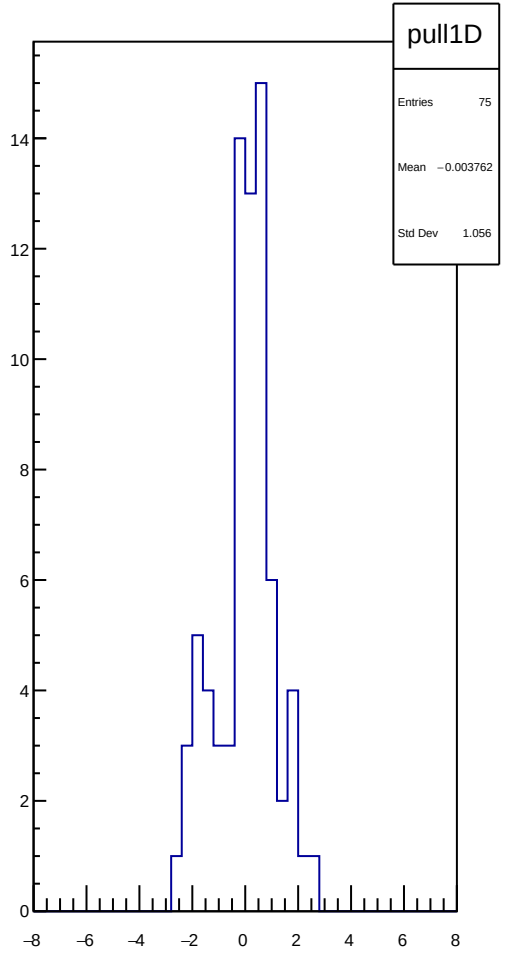

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.11 / 74
p0 −6864 ± 2144
pull
Entries 75
Mean −392.8
Std Dev 0
pull1D
Entries 75
Mean −0.001476
Std Dev 1.053

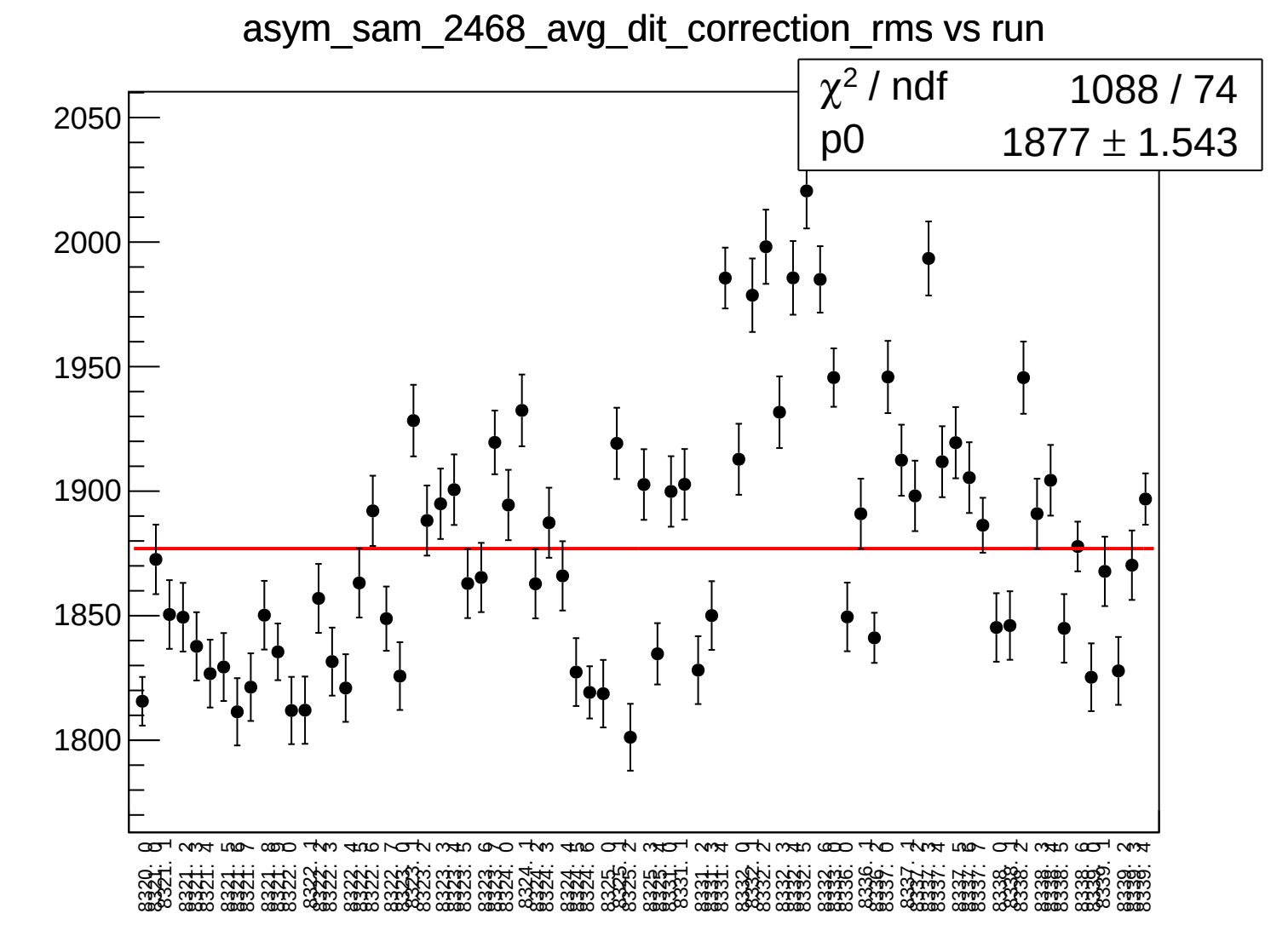

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 966.3 / 74
p0 1844 ± 1.516
2000
1950
1900
1850
1800
1750

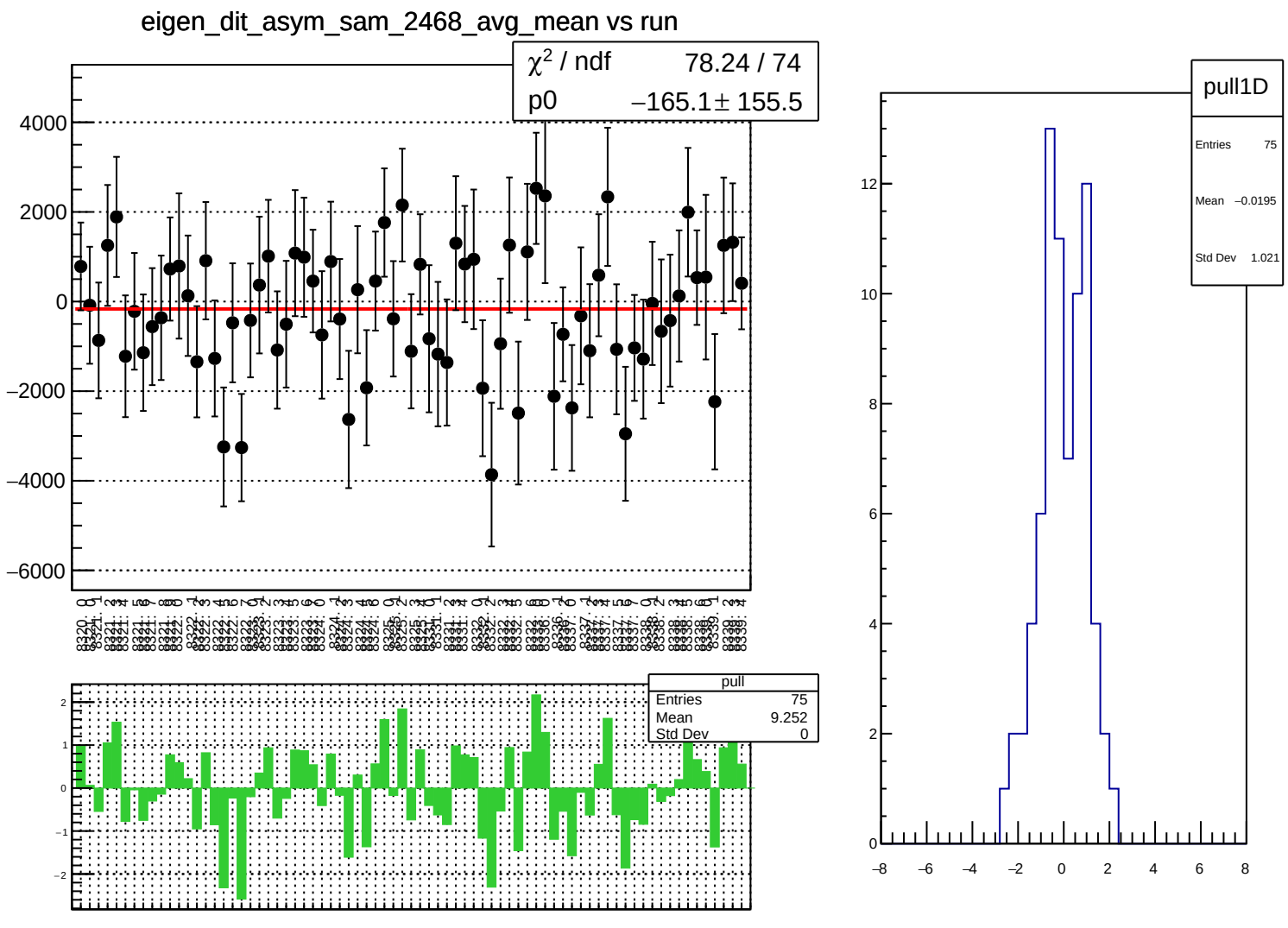

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.24 / 74
p0 −165.1± 155.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean 9.252
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.0195
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

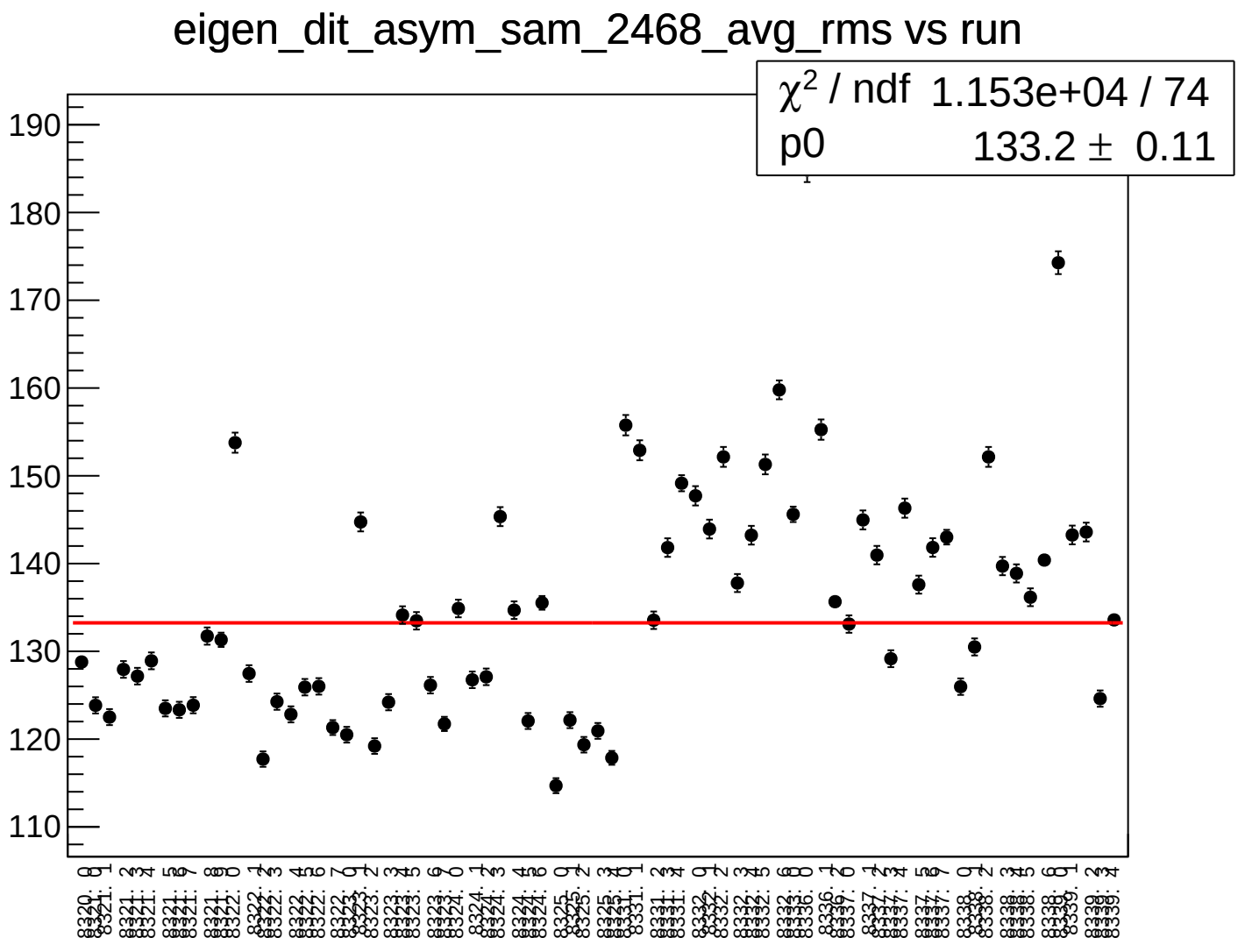

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.153e+04 / 74
p0 133.2 ± 0.11
190
180
170
160
150
140
130
120
110

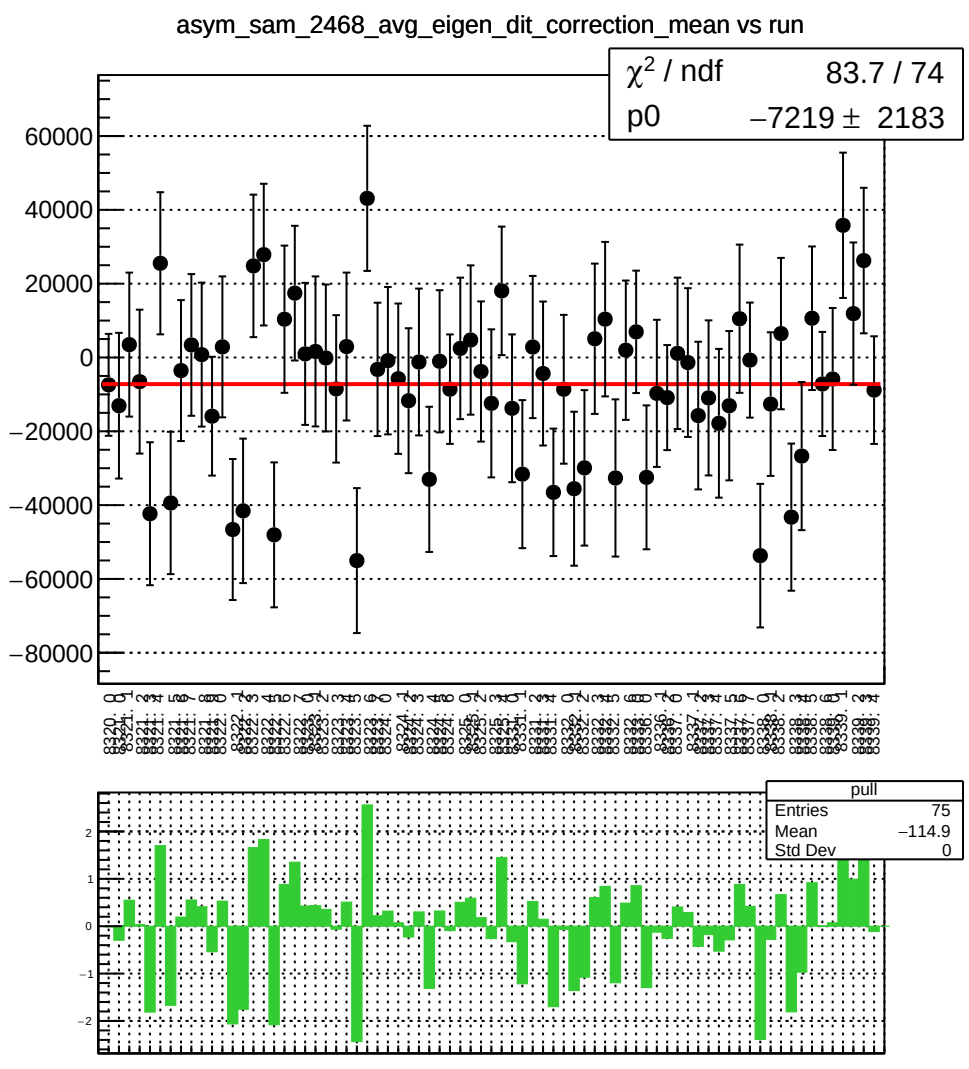

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 83.7 / 74
p0 −7219 ± 2183
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −114.9
Std Dev 0
2
1
0
−1
−2

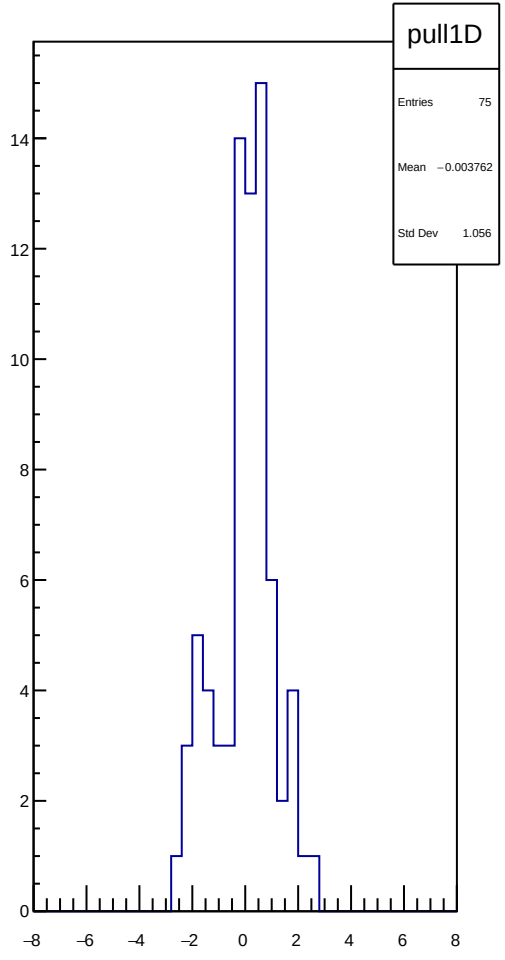

pull1D
Entries 75
Mean −0.003762
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

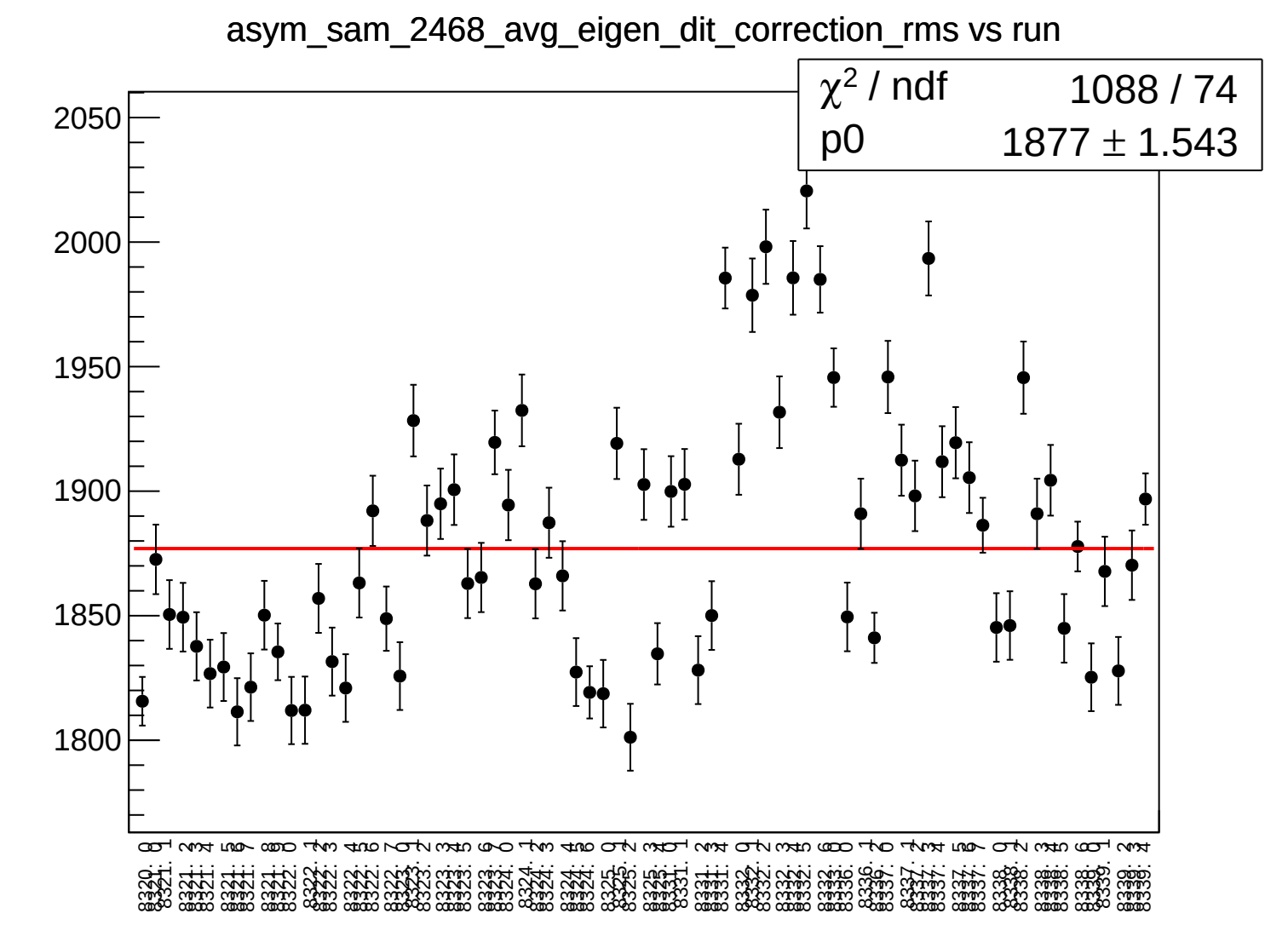

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 1088 / 74
p0 1877 ± 1.543
2050
2000
1950
1900
1850
1800

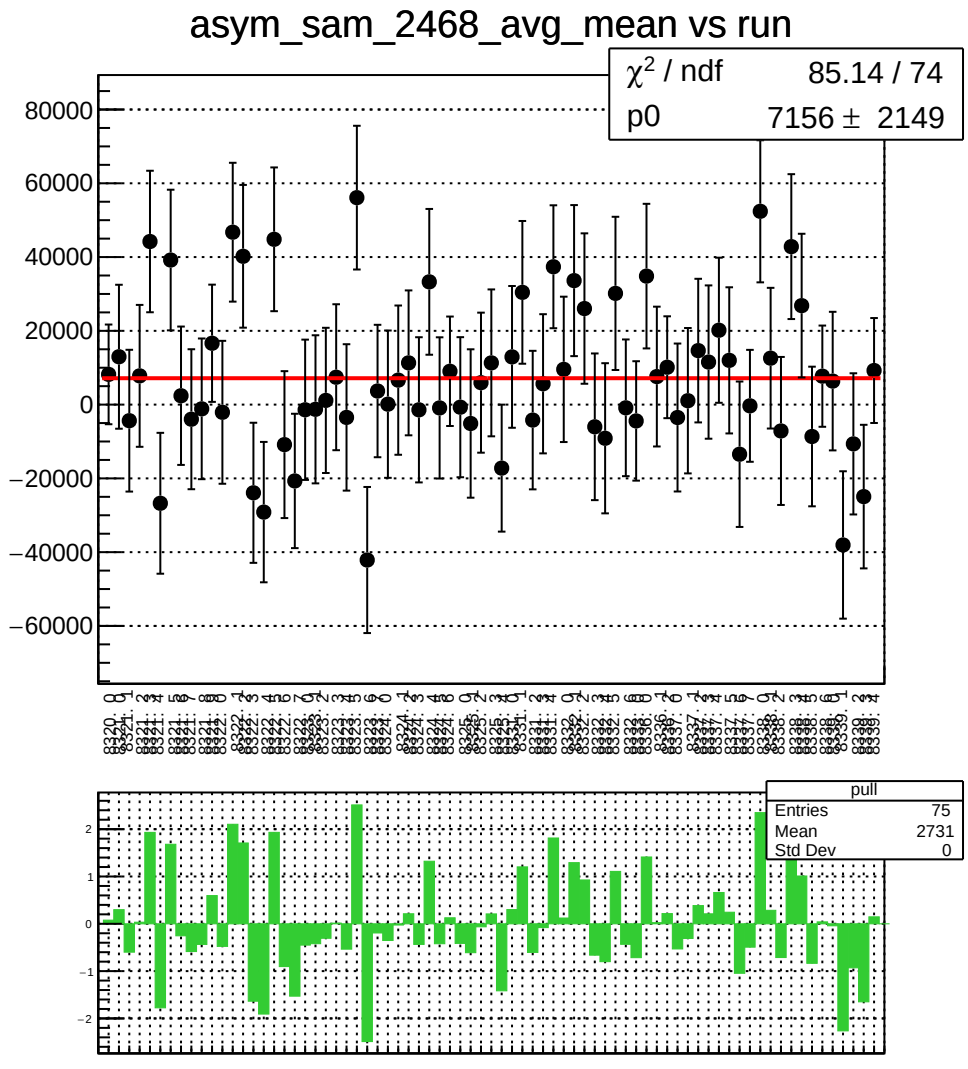

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.24 / 74
p0 −165.1± 155.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 75
Mean 9.252
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 75
Mean −0.0195
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

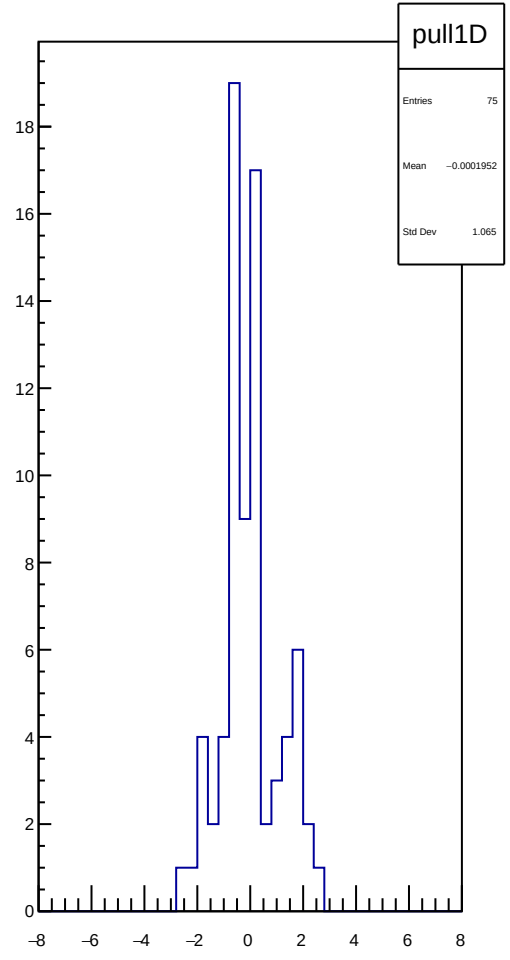

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.153e+04 / 74
p0 133.2 ± 0.11
190
180
170
160
150
140
130
120
110

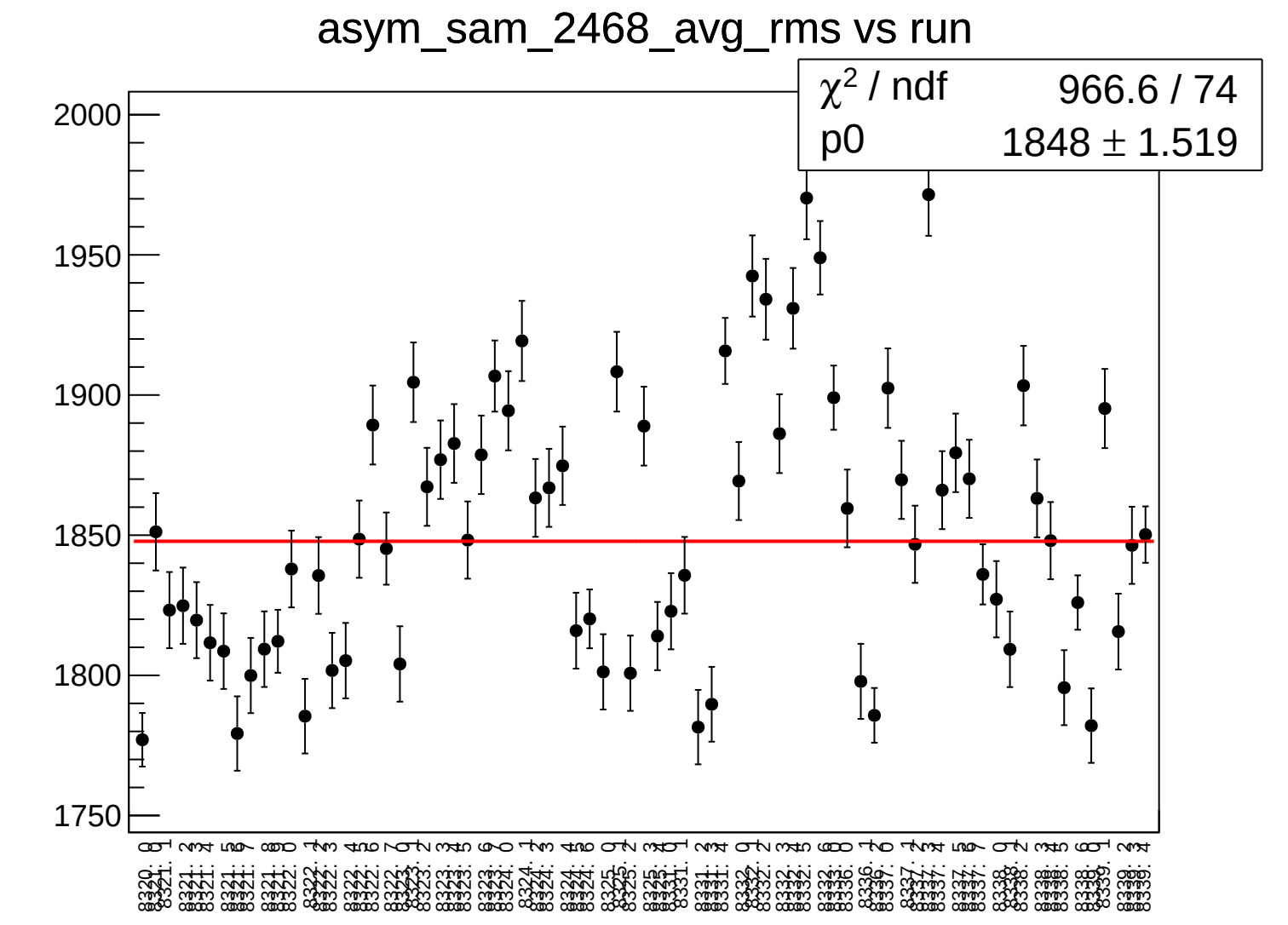

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 83.7 / 74
p0 −7219 ± 2183
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 75
Mean −114.9
Std Dev 0
2
1
0
−1
−2

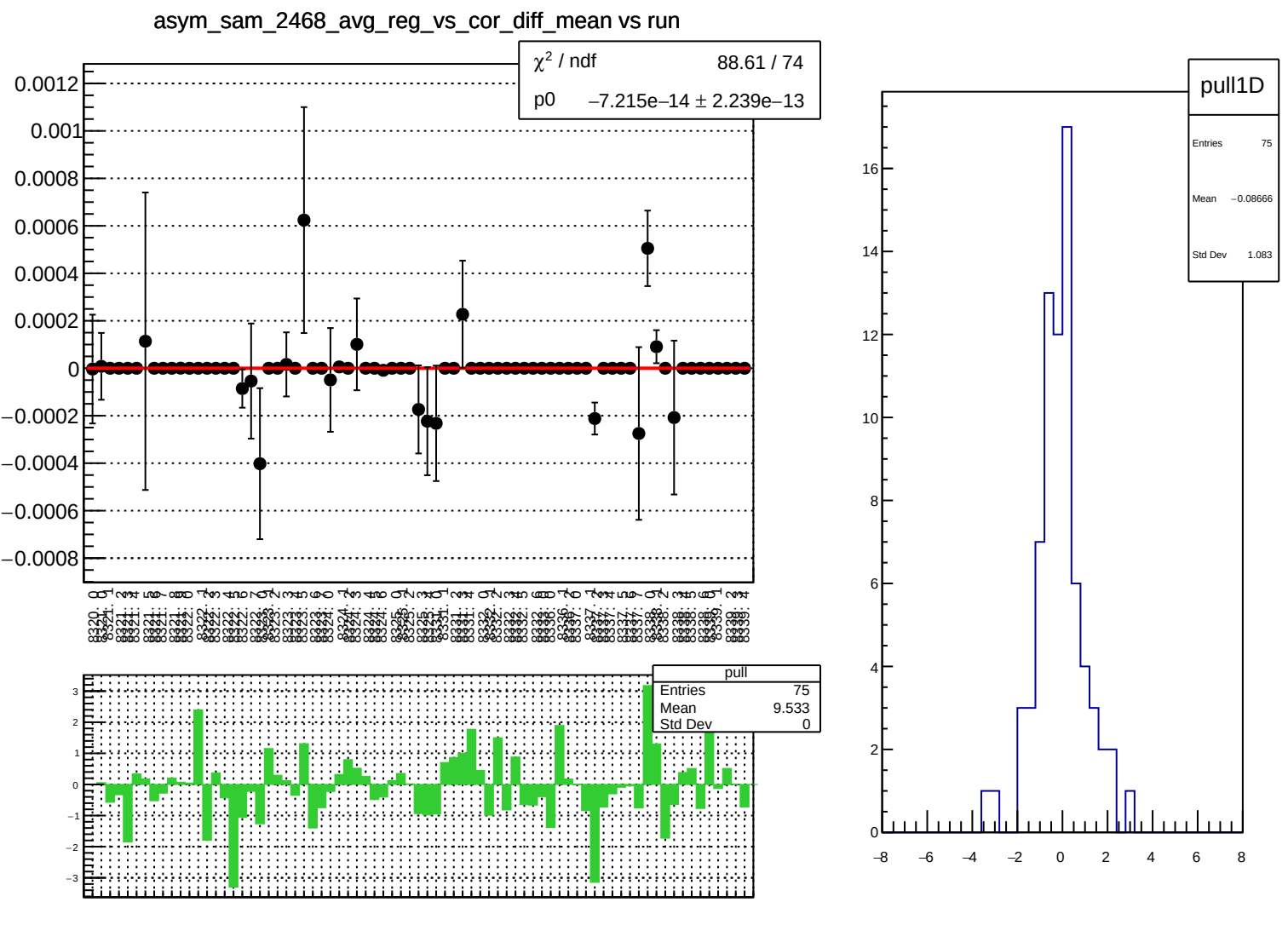

pull1D
Entries 75
Mean −0.003762
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

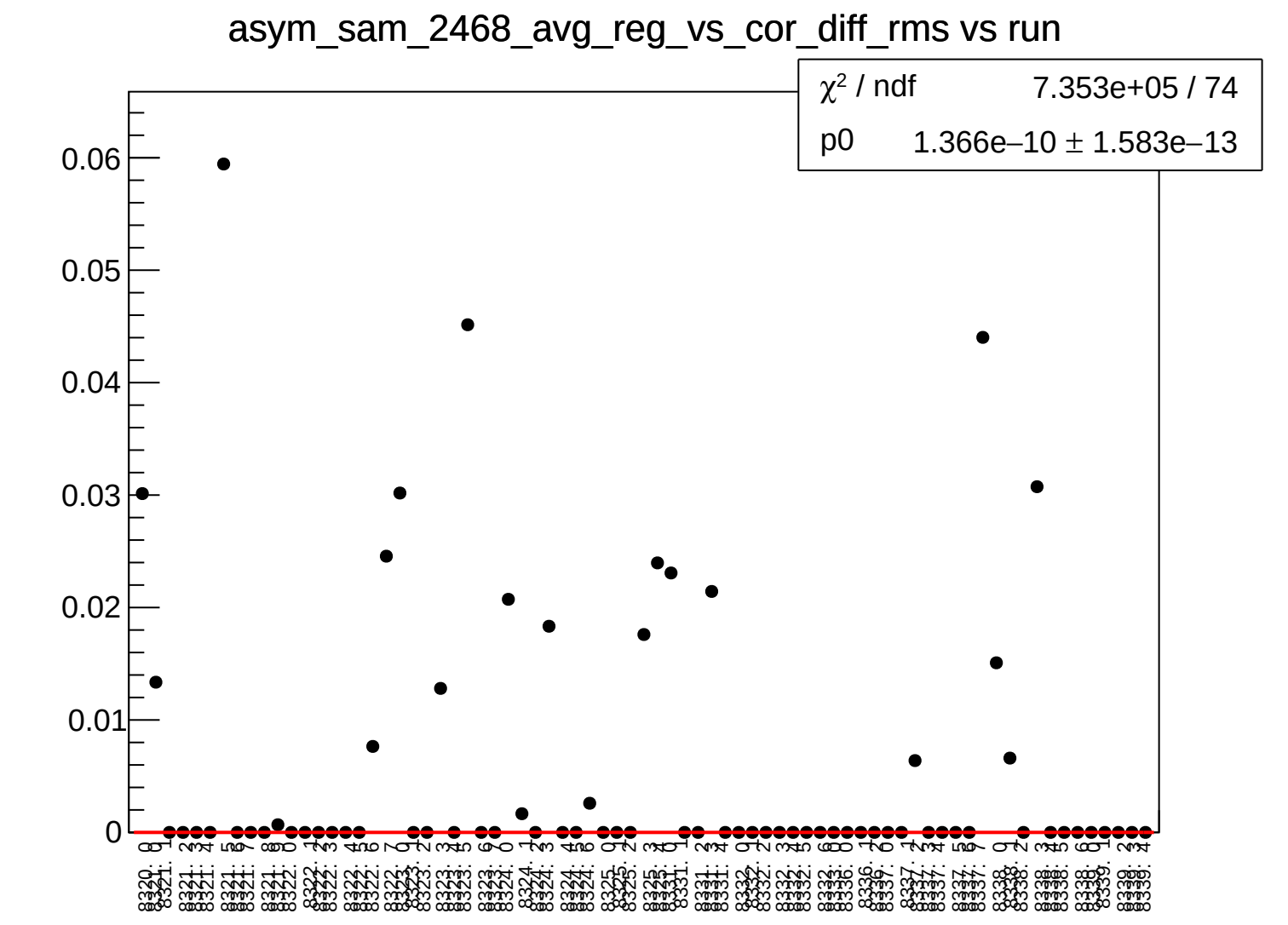

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 1088 / 74
p0 1877 ± 1.543
2050
2000
1950
1900
1850
1800

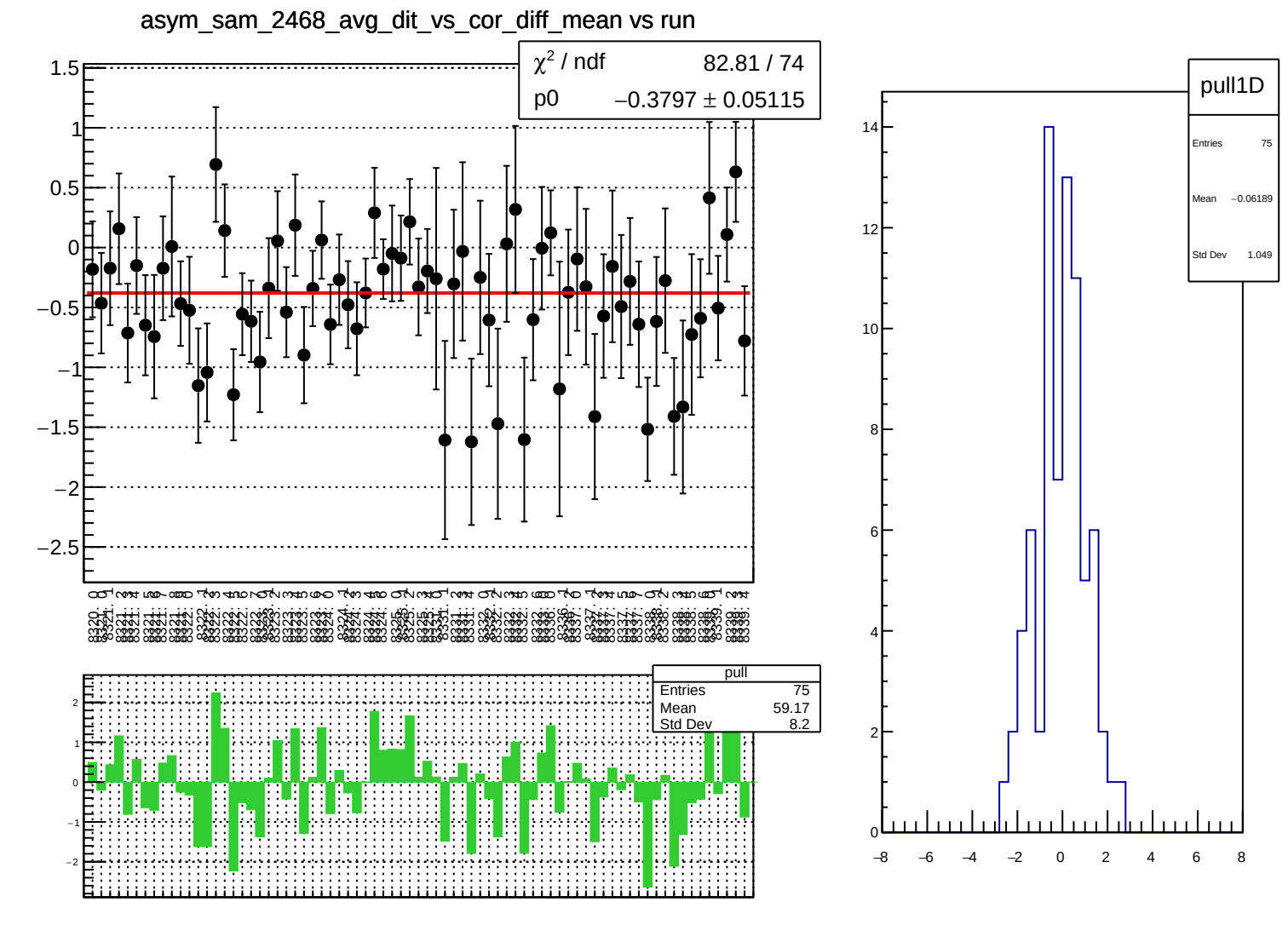

asym_sam_2468_avg_mean vs run
χ² / ndf 85.14 / 74
p0 7156 ± 2149
pull
Entries 75
Mean 2731
Std Dev 0

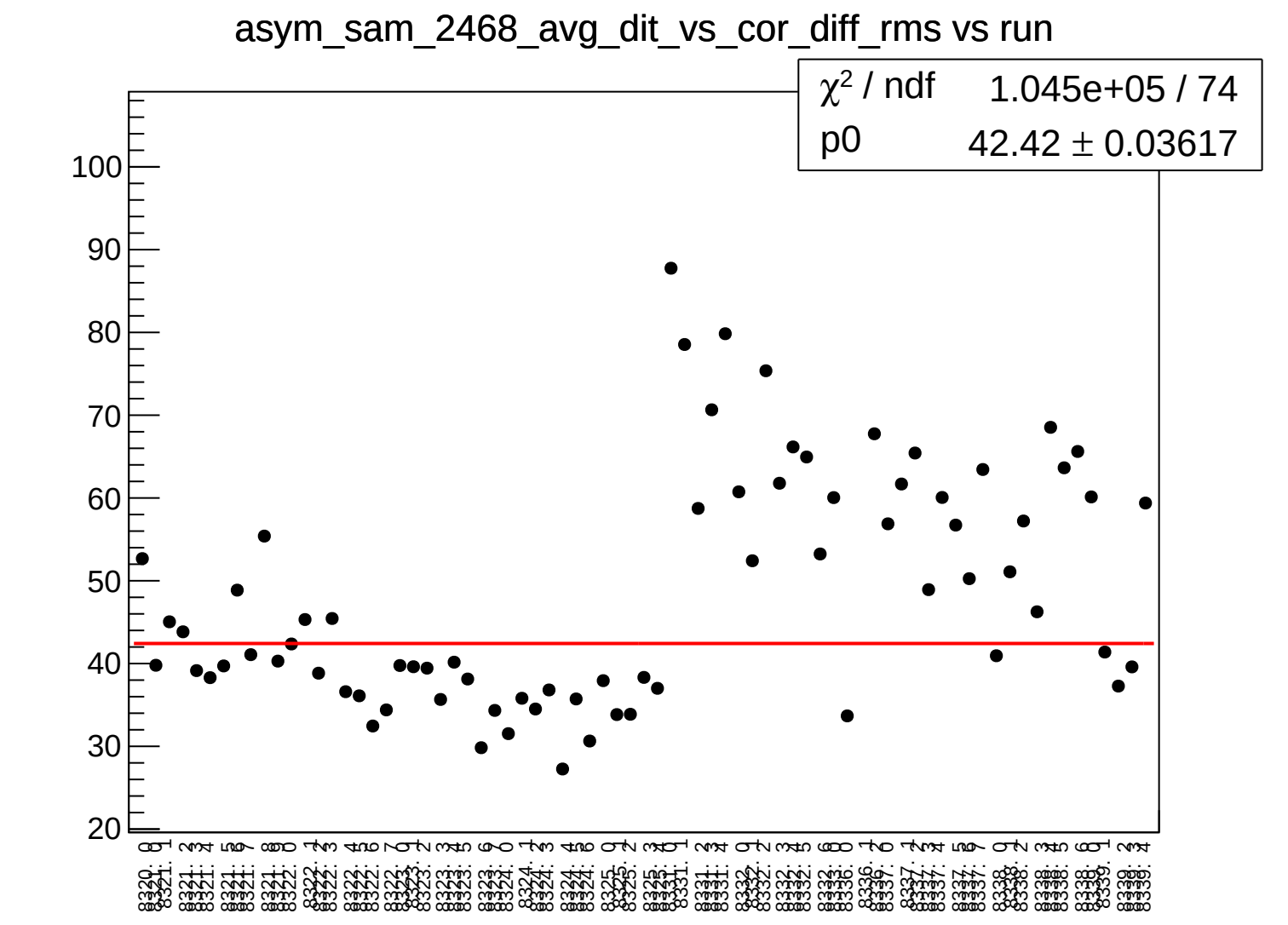

pull1D
Entries 75
Mean −0.0001952
Std Dev 1.065

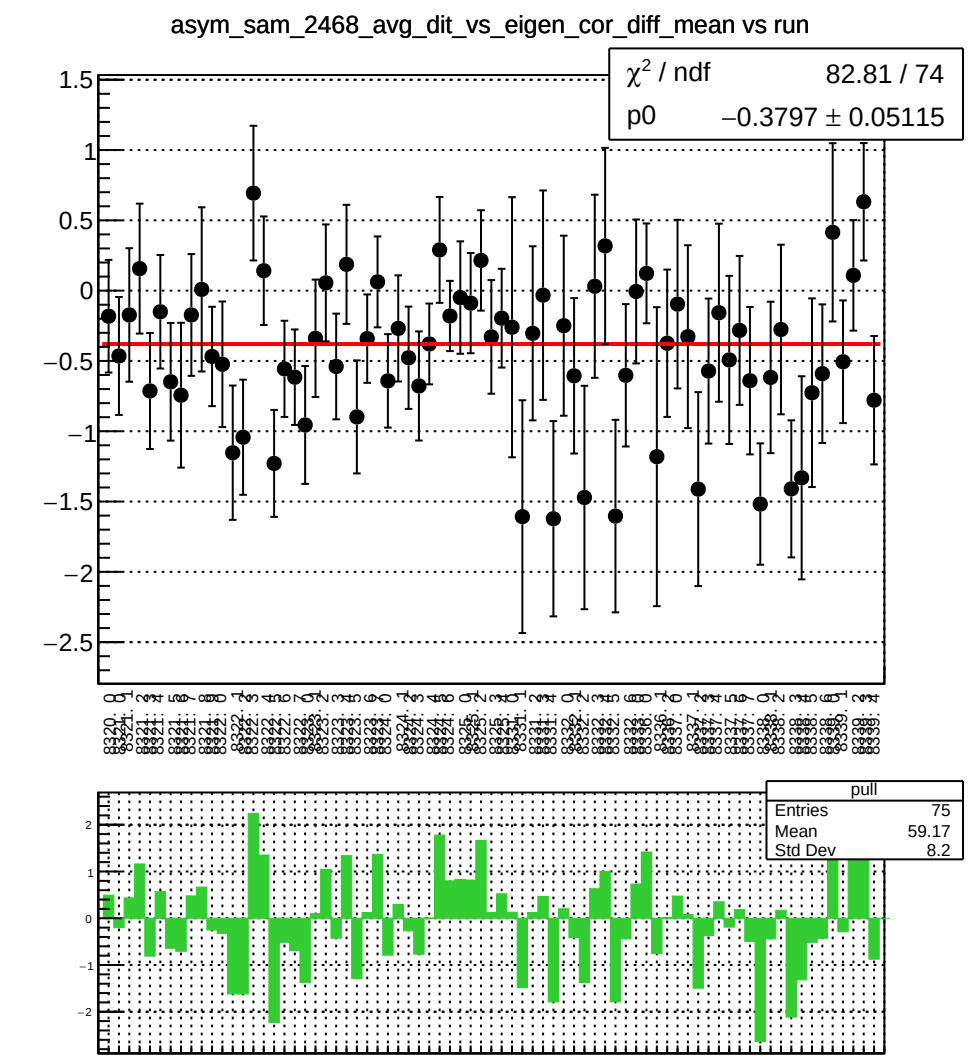

asym_sam_2468_avg_rms vs run
χ² / ndf 966.6 / 74
p0 1848 ± 1.519
2000
1950
1900
1850
1800
1750

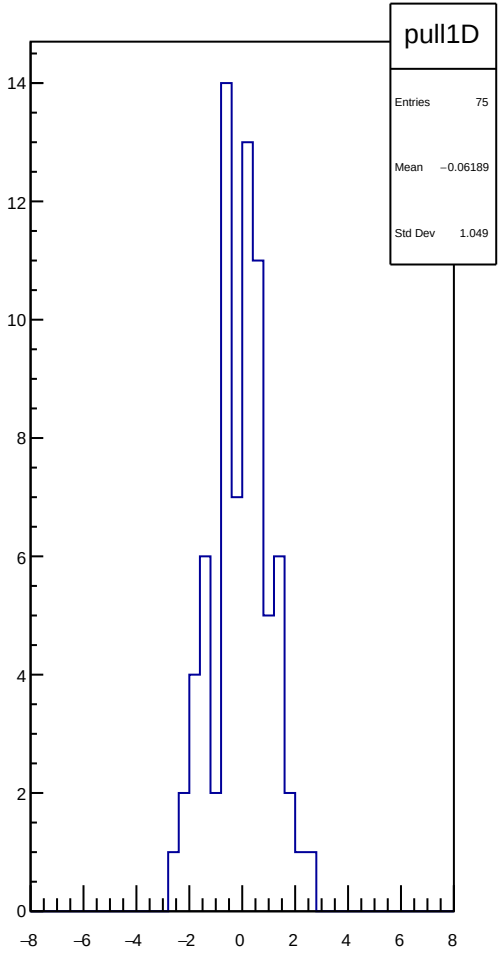

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 88.61 / 74
p0 −7.215e−14 ± 2.239e−13
pull
Entries 75
Mean 9.533
Std Dev 0
pull1D
Entries 75
Mean −0.08666
Std Dev 1.083

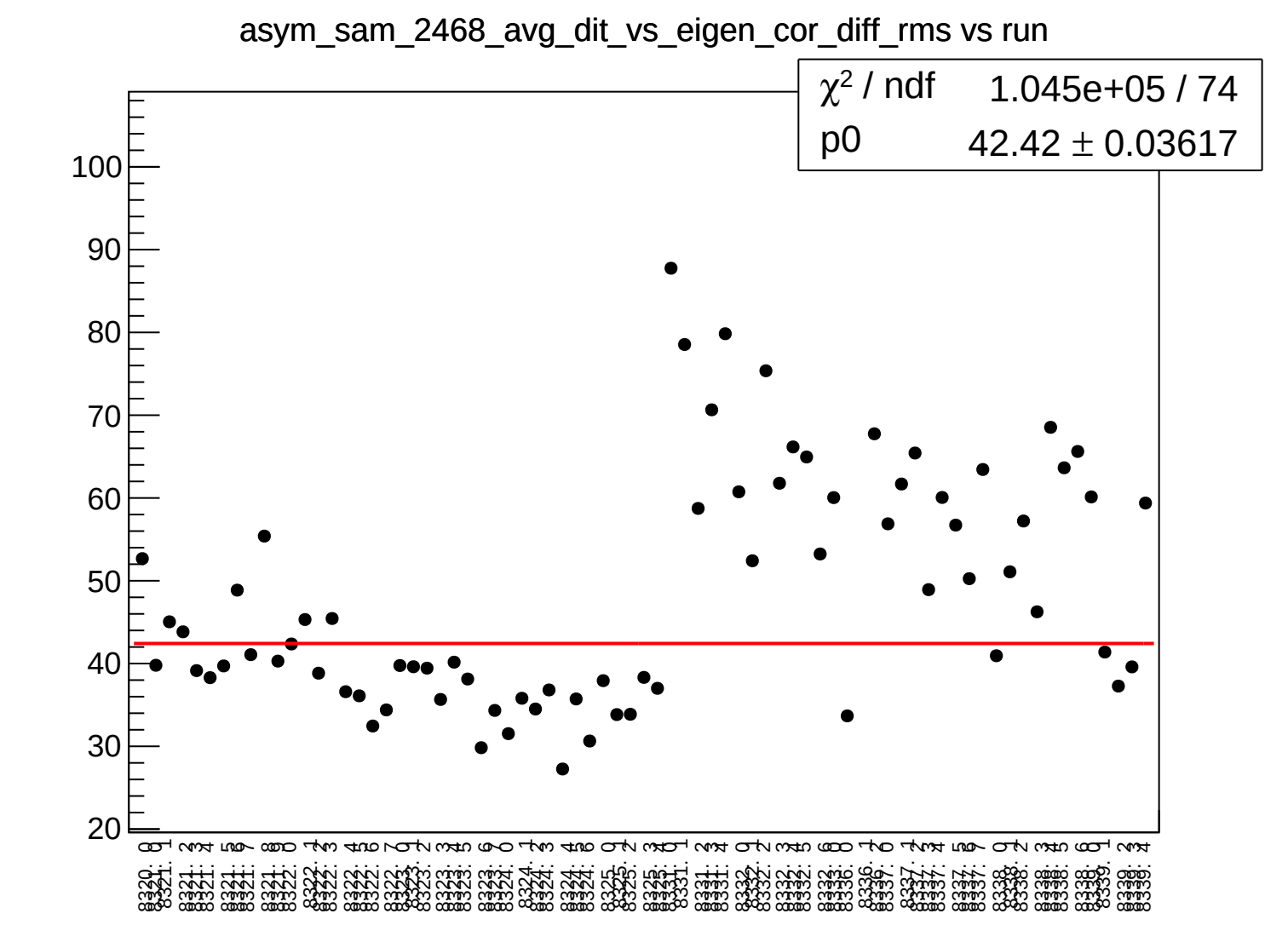

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 7.353e+05 / 74
p0 1.366e−10 ± 1.583e−13
0.06
0.05
0.04
0.03
0.02
0.01
0

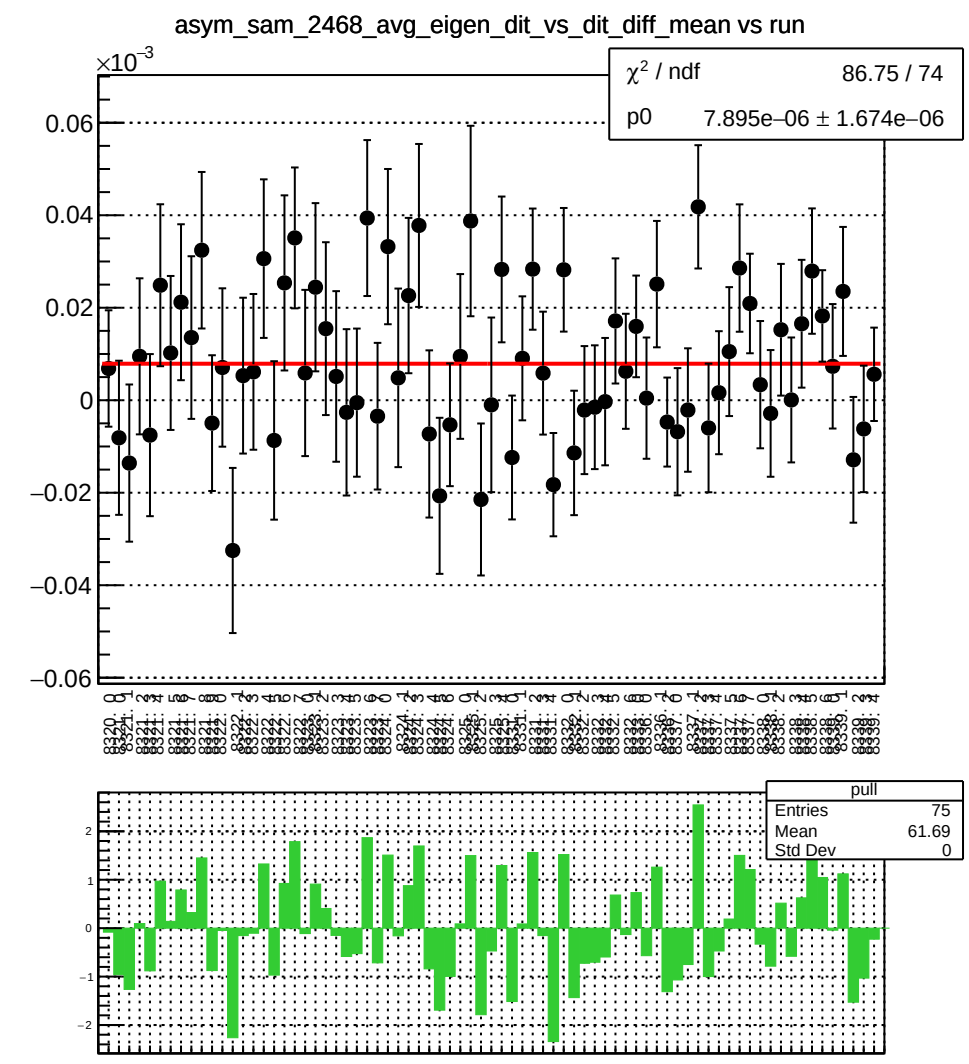

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 74
p0 −0.3797 ± 0.05115
pull
Entries 75
Mean 59.17
Std Dev 8.2
pull1D
Entries 75
Mean −0.06189
Std Dev 1.049

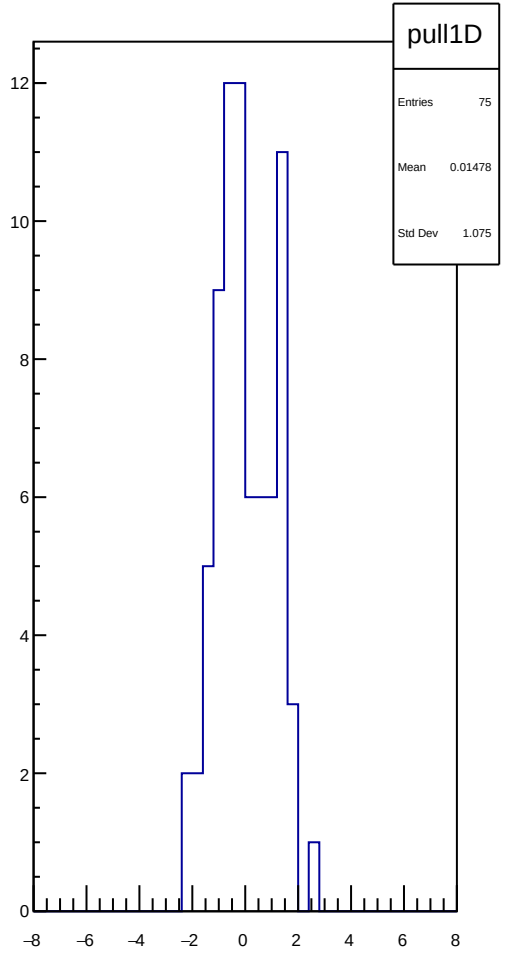

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.045e+05 / 74
p0 42.42 ± 0.03617
100
90
80
70
60
50
40
30
20

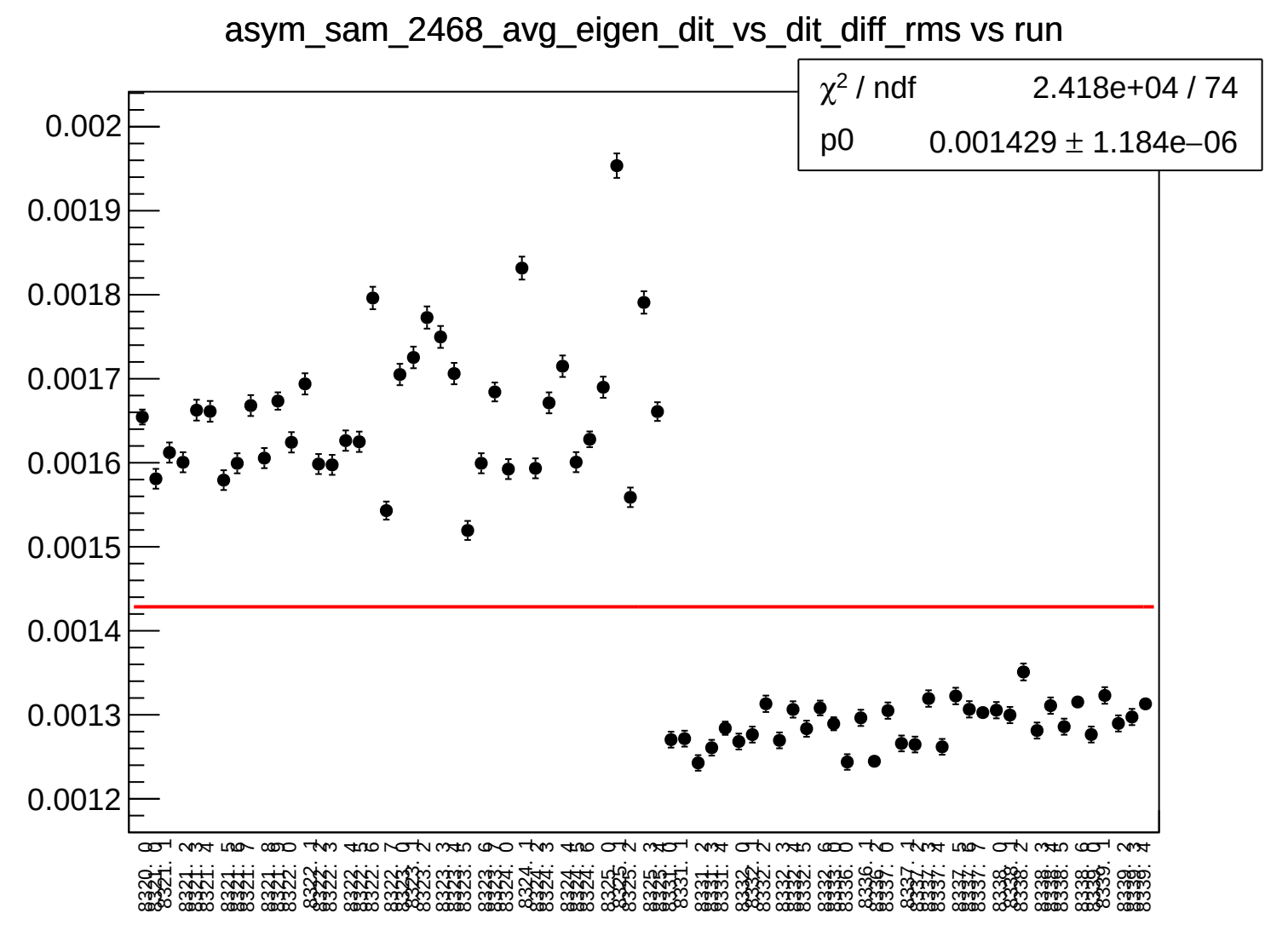

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.81 / 74
p0 −0.3797 ± 0.05115
pull
Entries 75
Mean 59.17
Std Dev 8.2

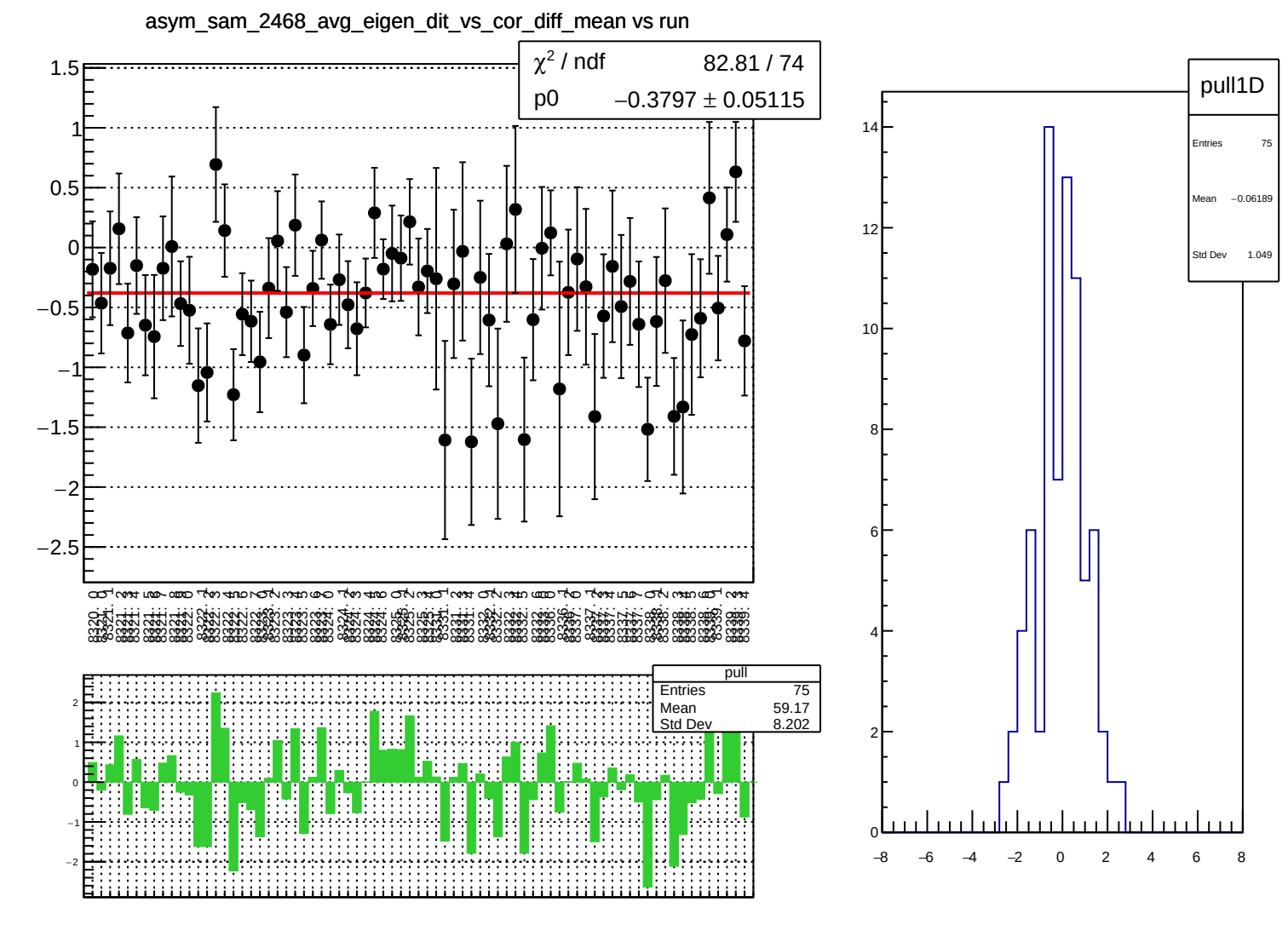

pull1D
Entries 75
Mean −0.06189
Std Dev 1.049

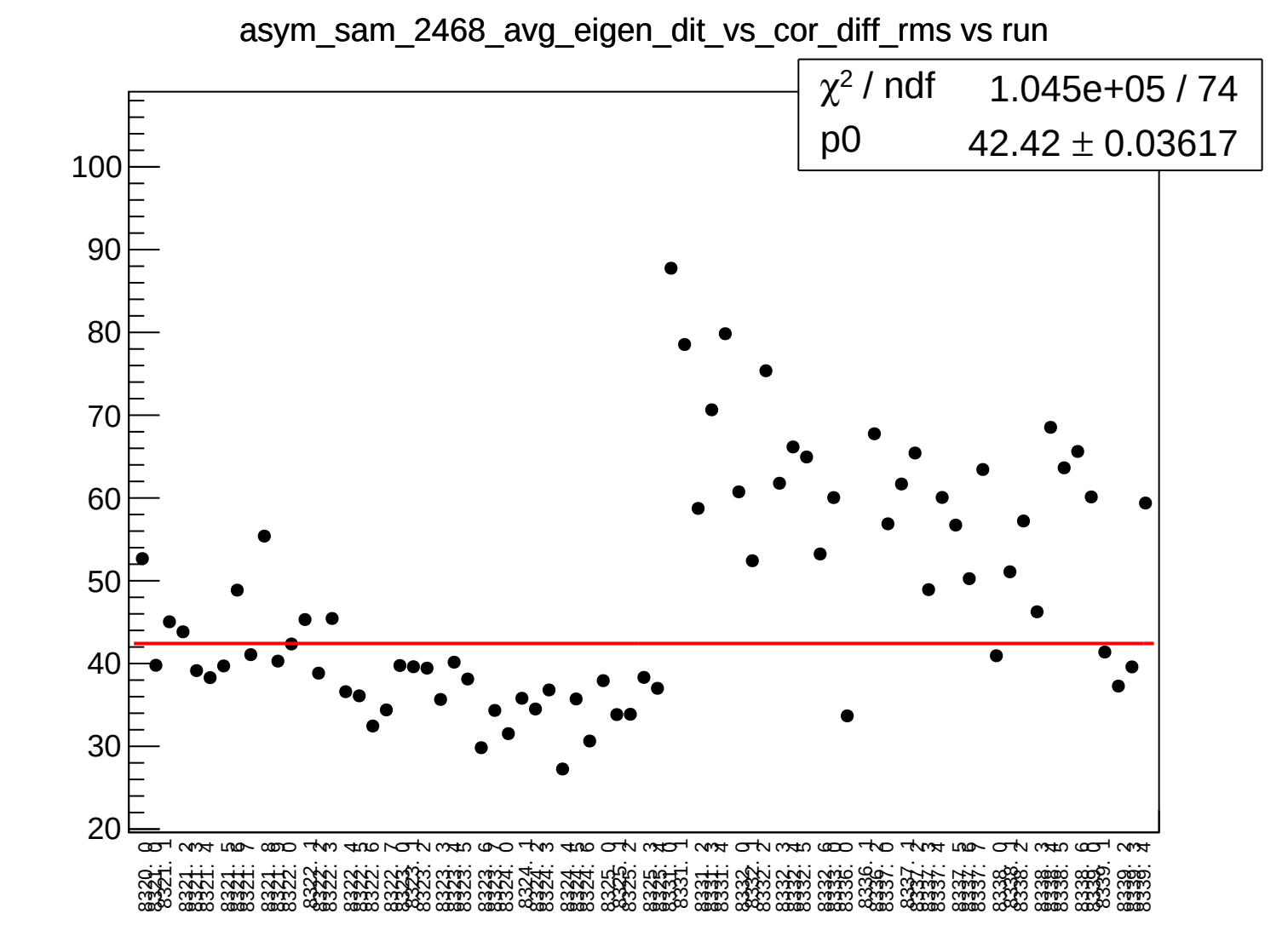

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.045e+05 / 74
p0 42.42 ± 0.03617
100
90
80
70
60
50
40
30
20

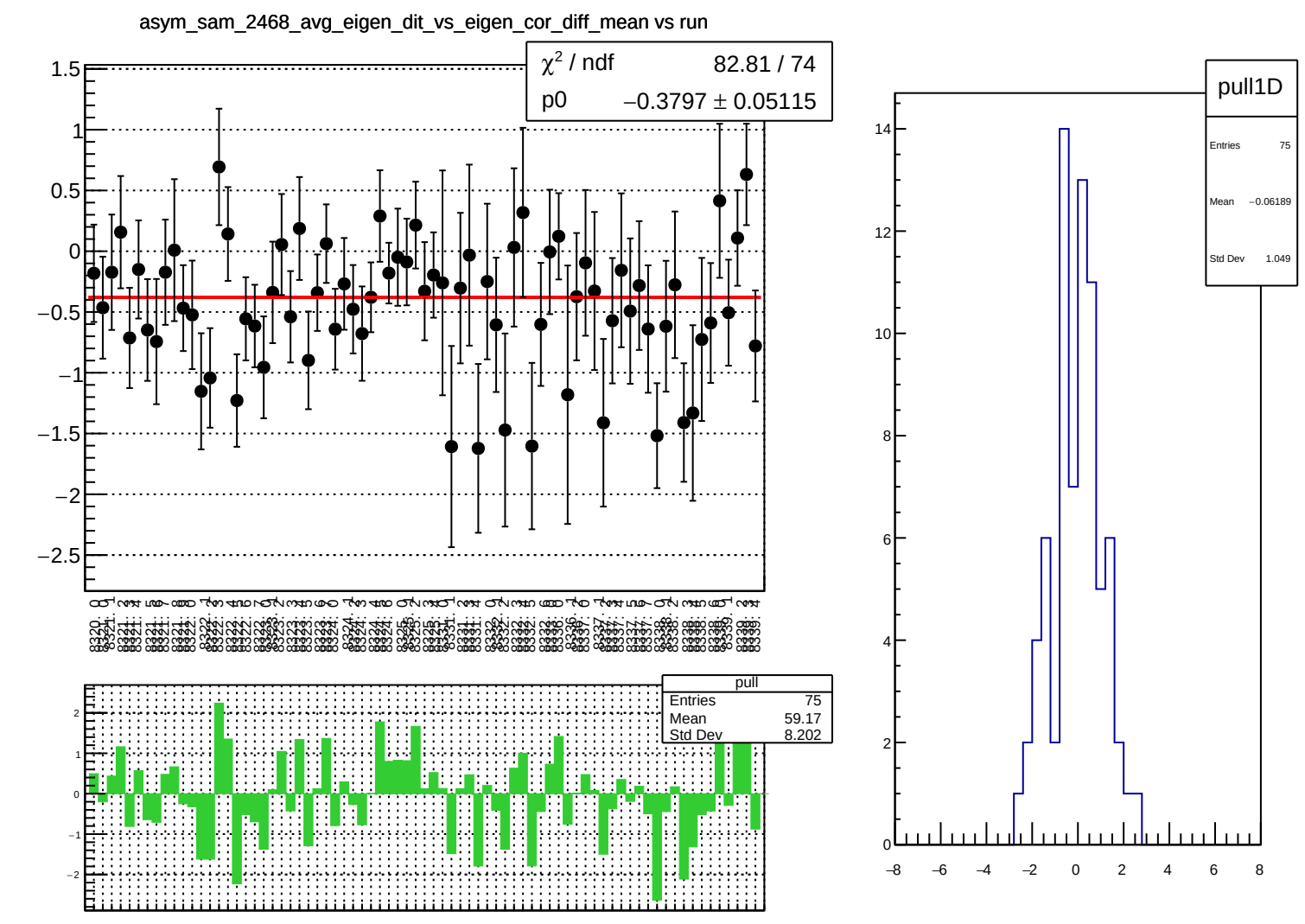

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 86.75 / 74
p0 7.895e−06 ± 1.674e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 75
Mean 61.69
Std Dev 0
2
1
0
−1
−2

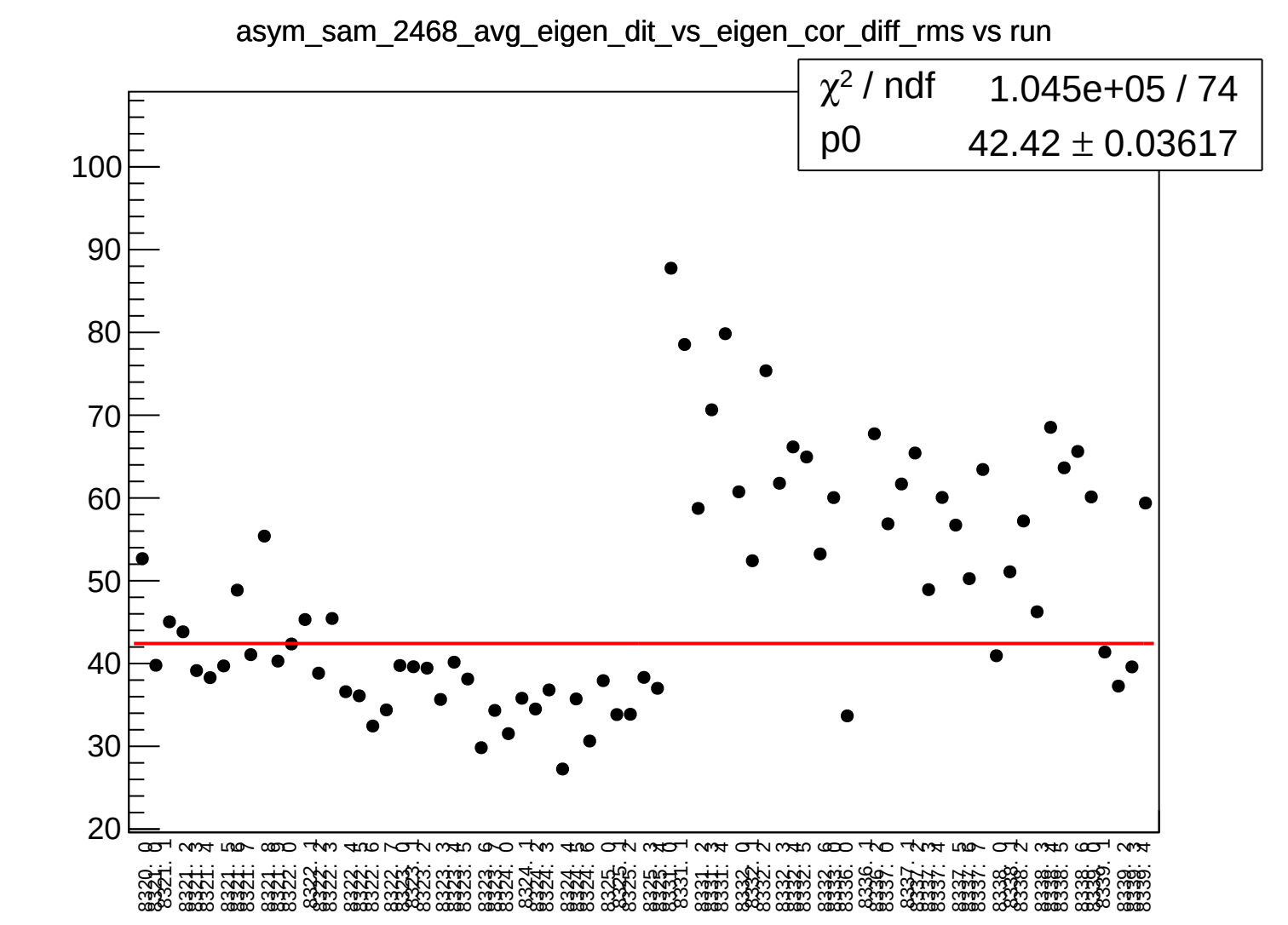

pull1D
Entries 75
Mean 0.01478
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

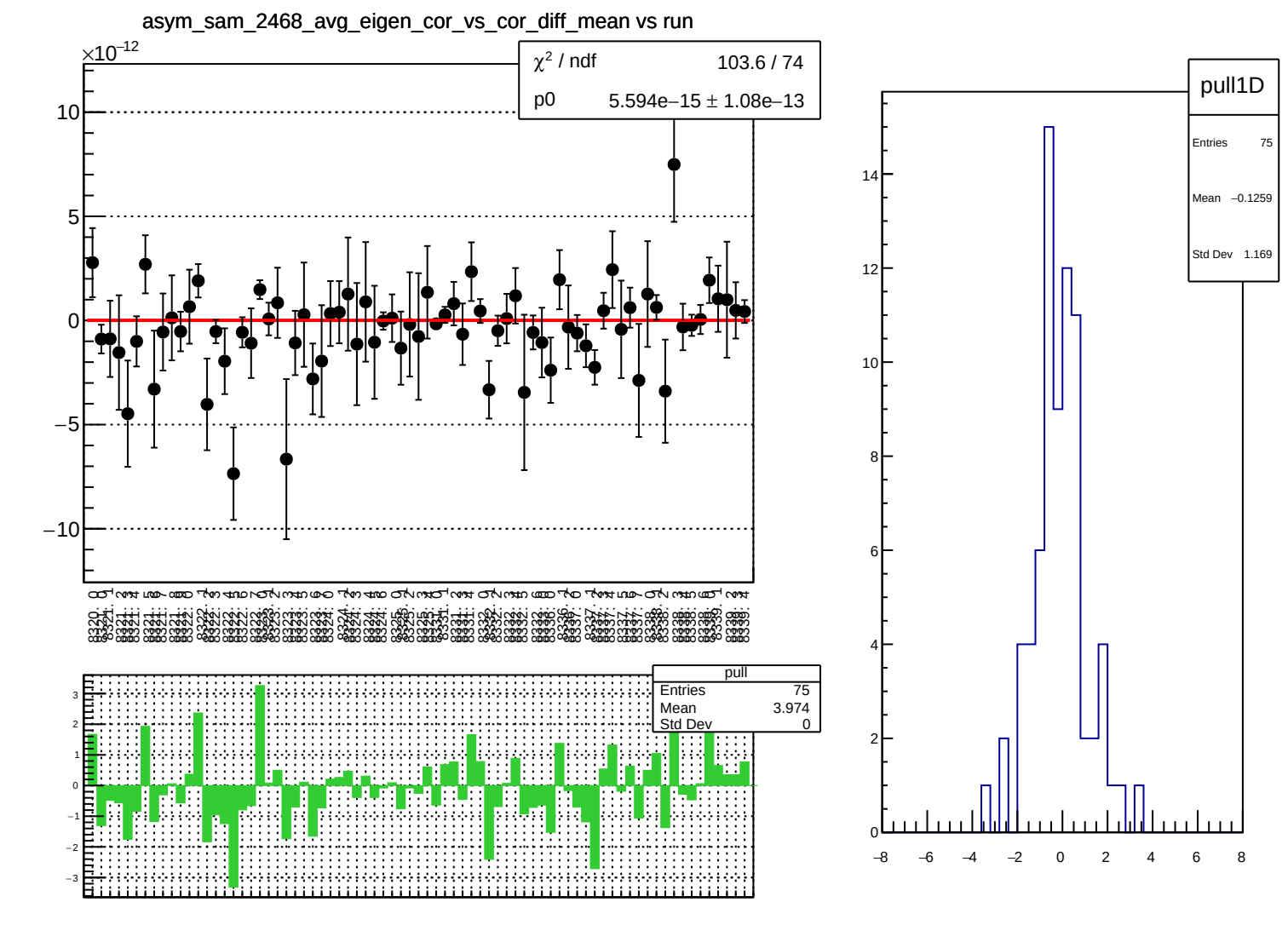

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2.418e+04 / 74
p0 0.001429 ± 1.184e−06
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013
0.0012

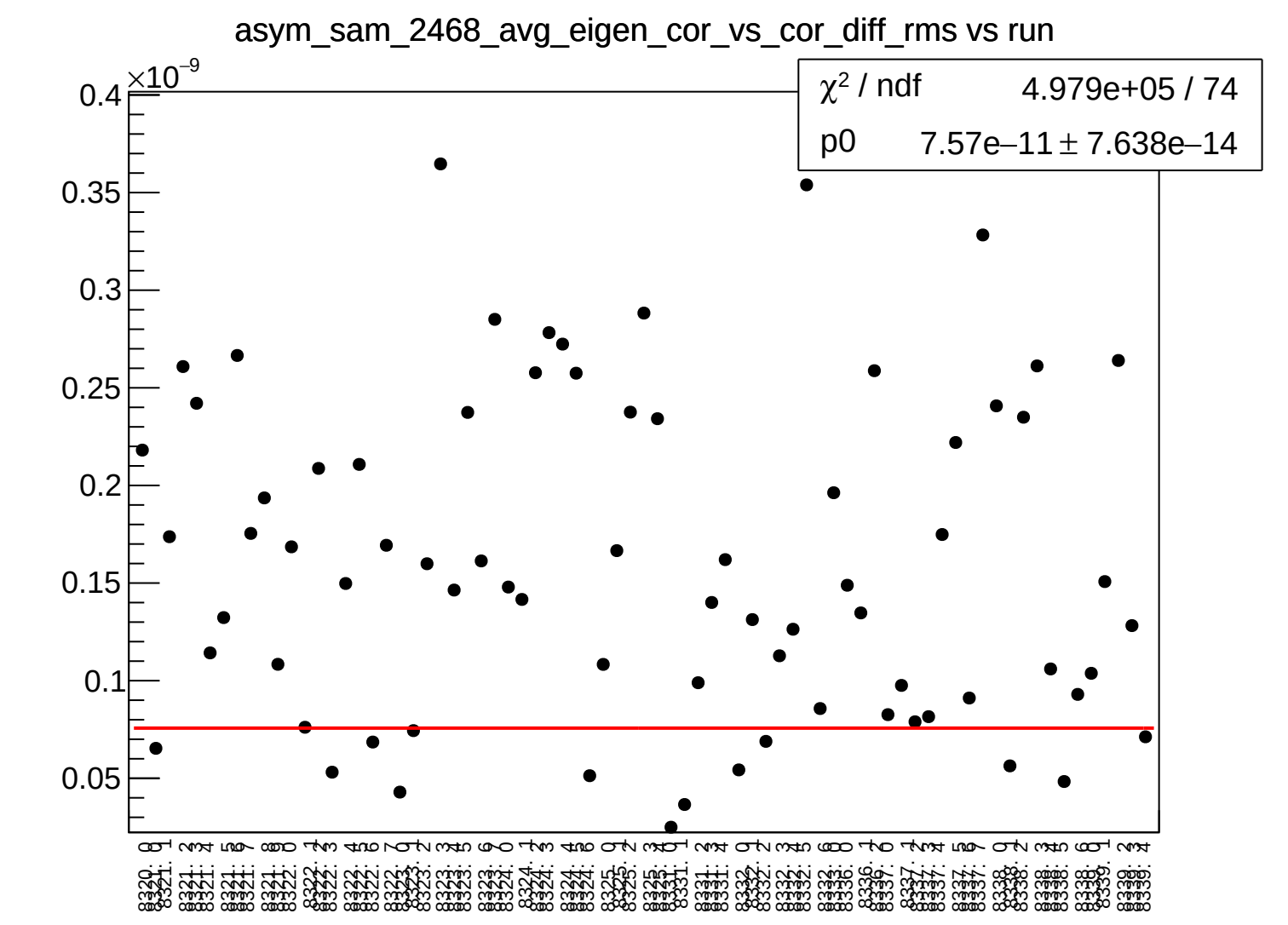

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 82.81 / 74
p0 −0.3797 ± 0.05115
pull
Entries 75
Mean 59.17
Std Dev 8.202
pull1D
Entries 75
Mean −0.06189
Std Dev 1.049

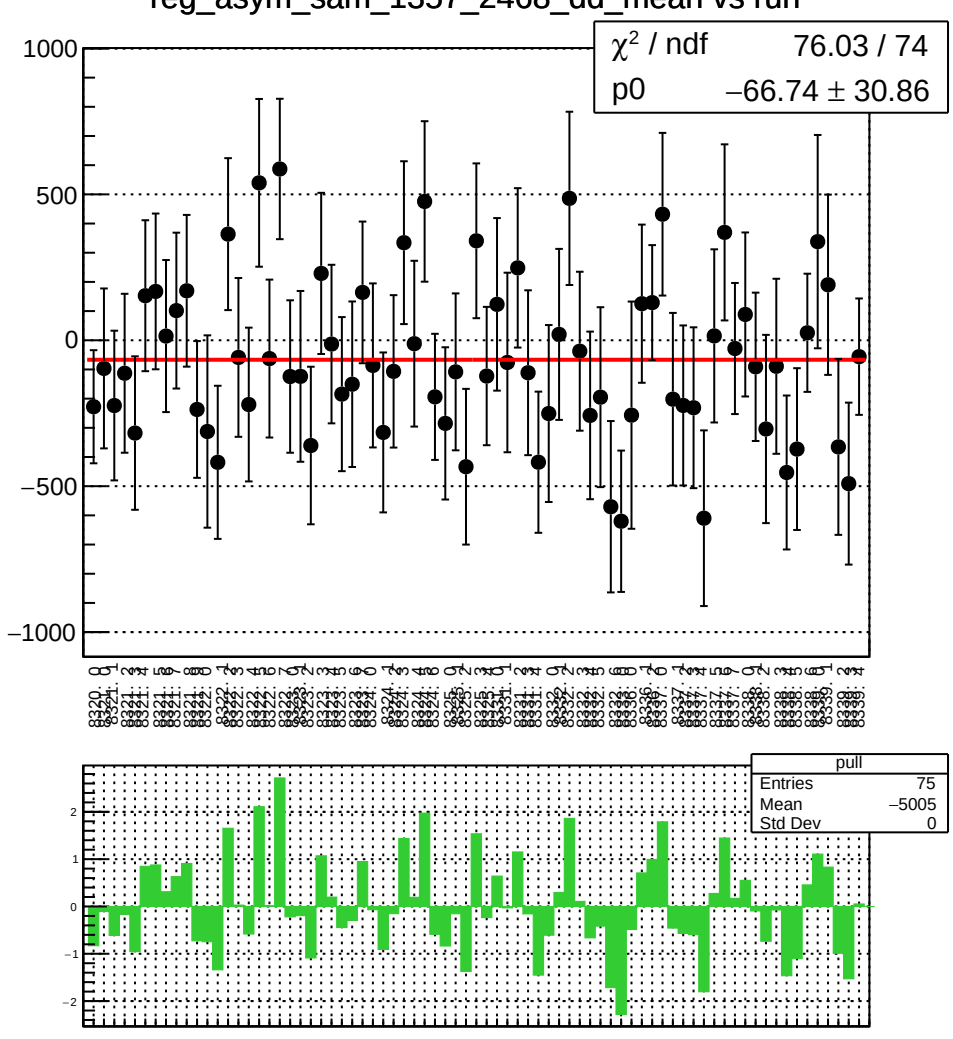

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.045e+05 / 74
p0 42.42 ± 0.03617
100
90
80
70
60
50
40
30
20

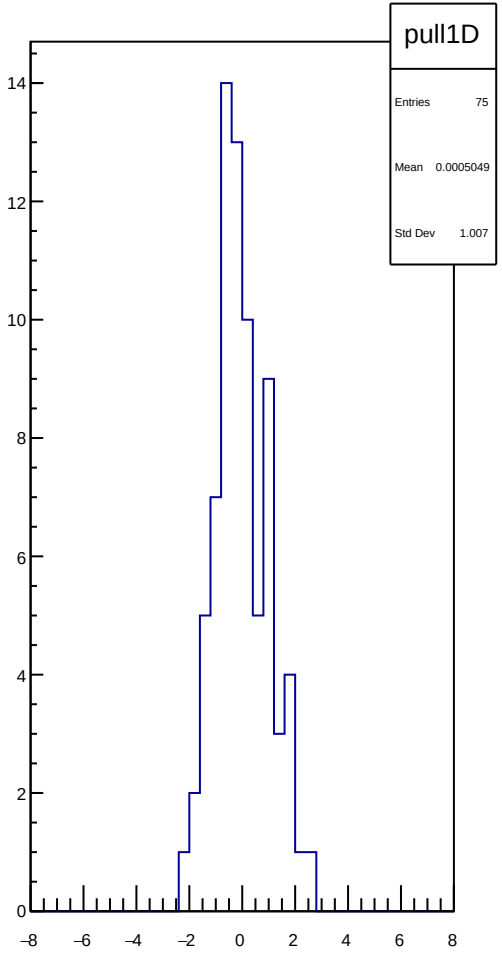

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 82.81 / 74
p0 −0.3797 ± 0.05115
pull
Entries 75
Mean 59.17
Std Dev 8.202
pull1D
Entries 75
Mean −0.06189
Std Dev 1.049

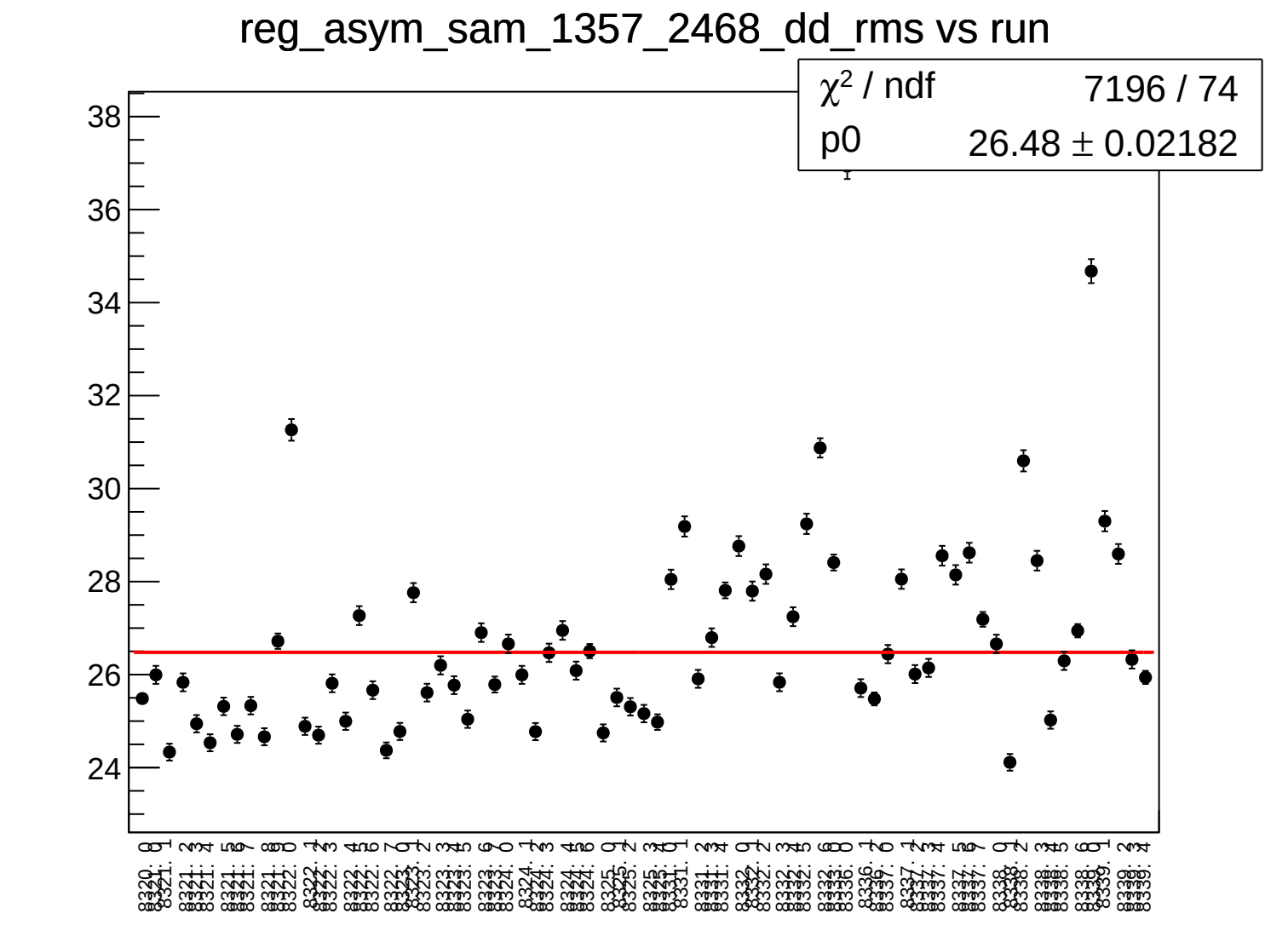

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.045e+05 / 74
p0 42.42 ± 0.03617
100
90
80
70
60
50
40
30
20

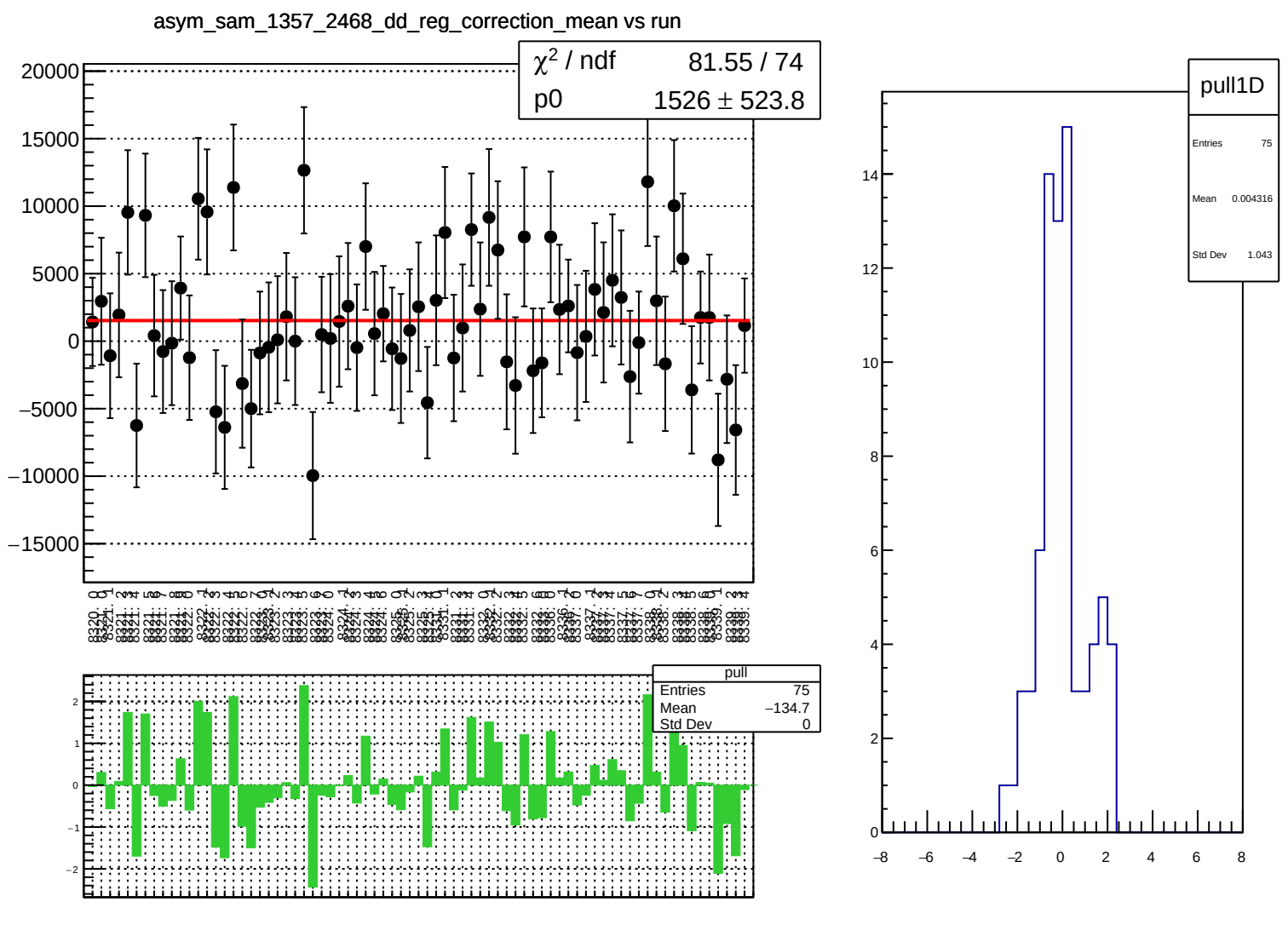

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 103.6 / 74
p0 5.594e−15 ± 1.08e−13
pull
Entries 75
Mean 3.974
Std Dev 0
pull1D
Entries 75
Mean −0.1259
Std Dev 1.169

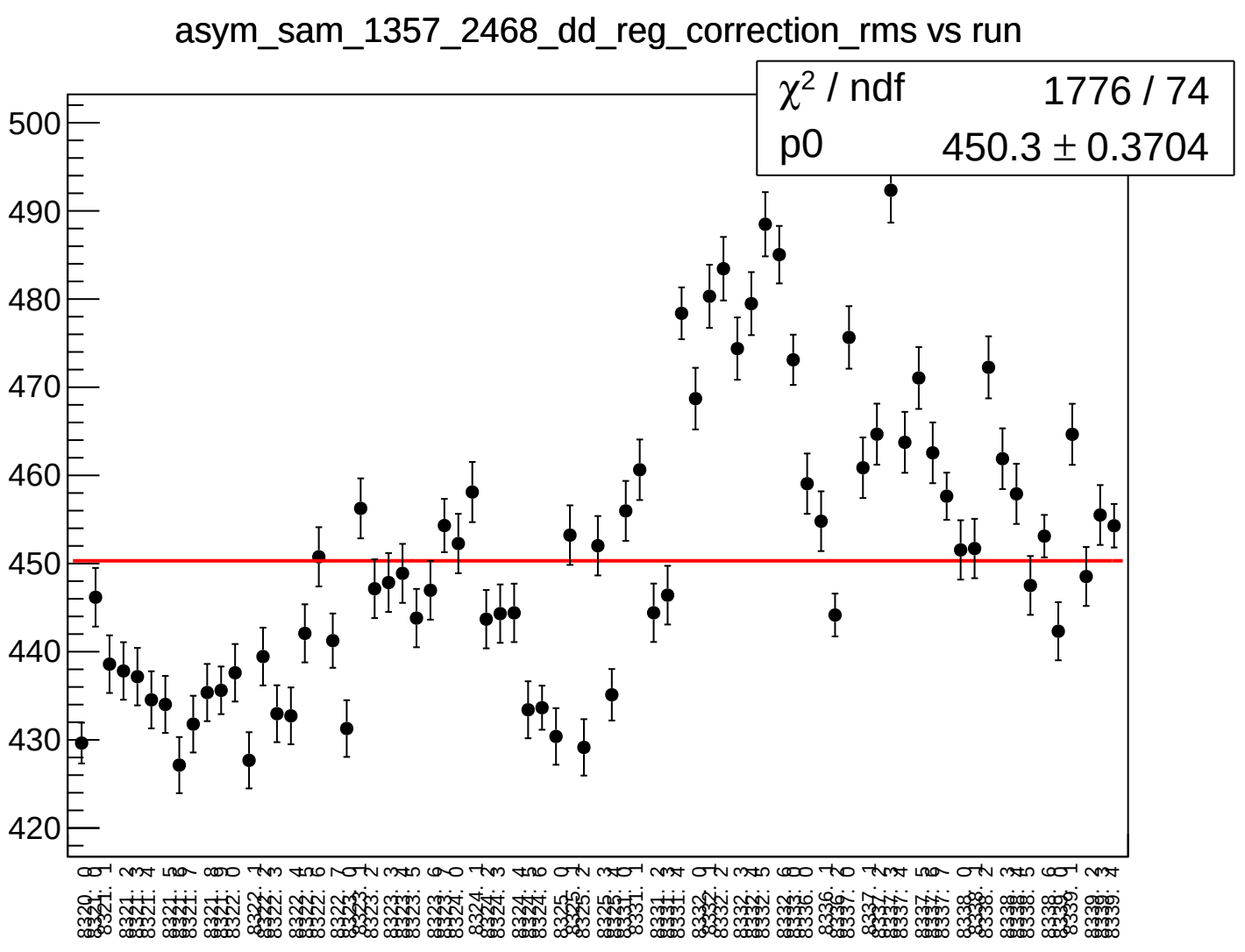

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.979e+05 / 74
p0 7.57e−11 ± 7.638e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

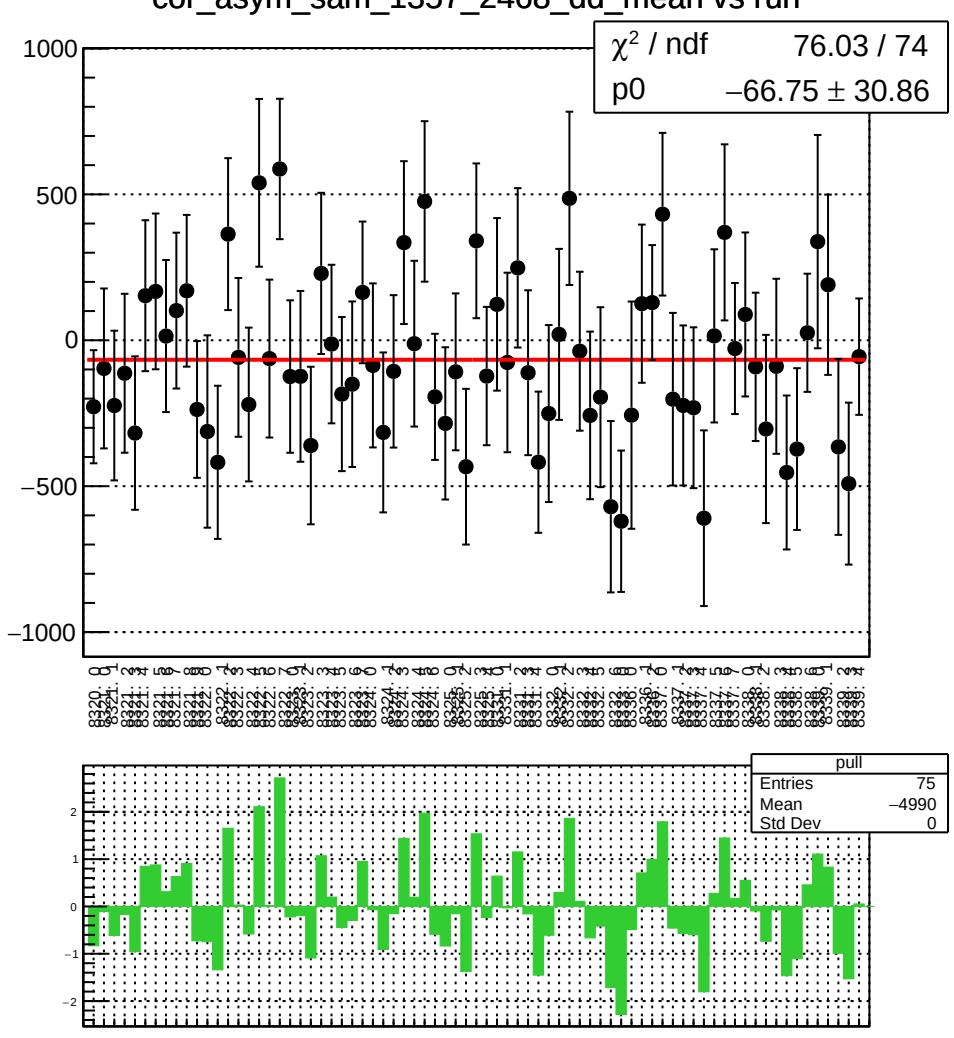

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.03 / 74
p0 −66.74 ± 30.86
1000
500
0
−500
−1000
pull
Entries 75
Mean −5005
Std Dev 0
2
1
0
−1
−2

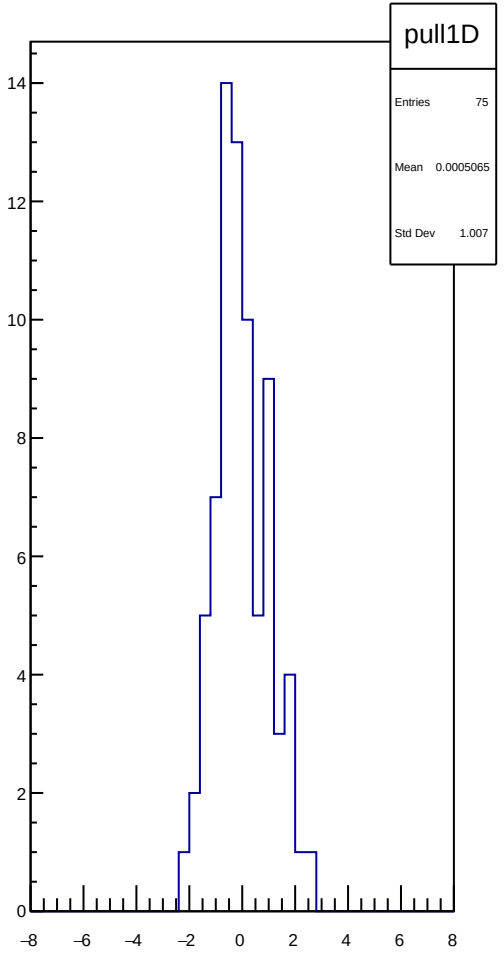

pull1D
Entries 75
Mean 0.0005049
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

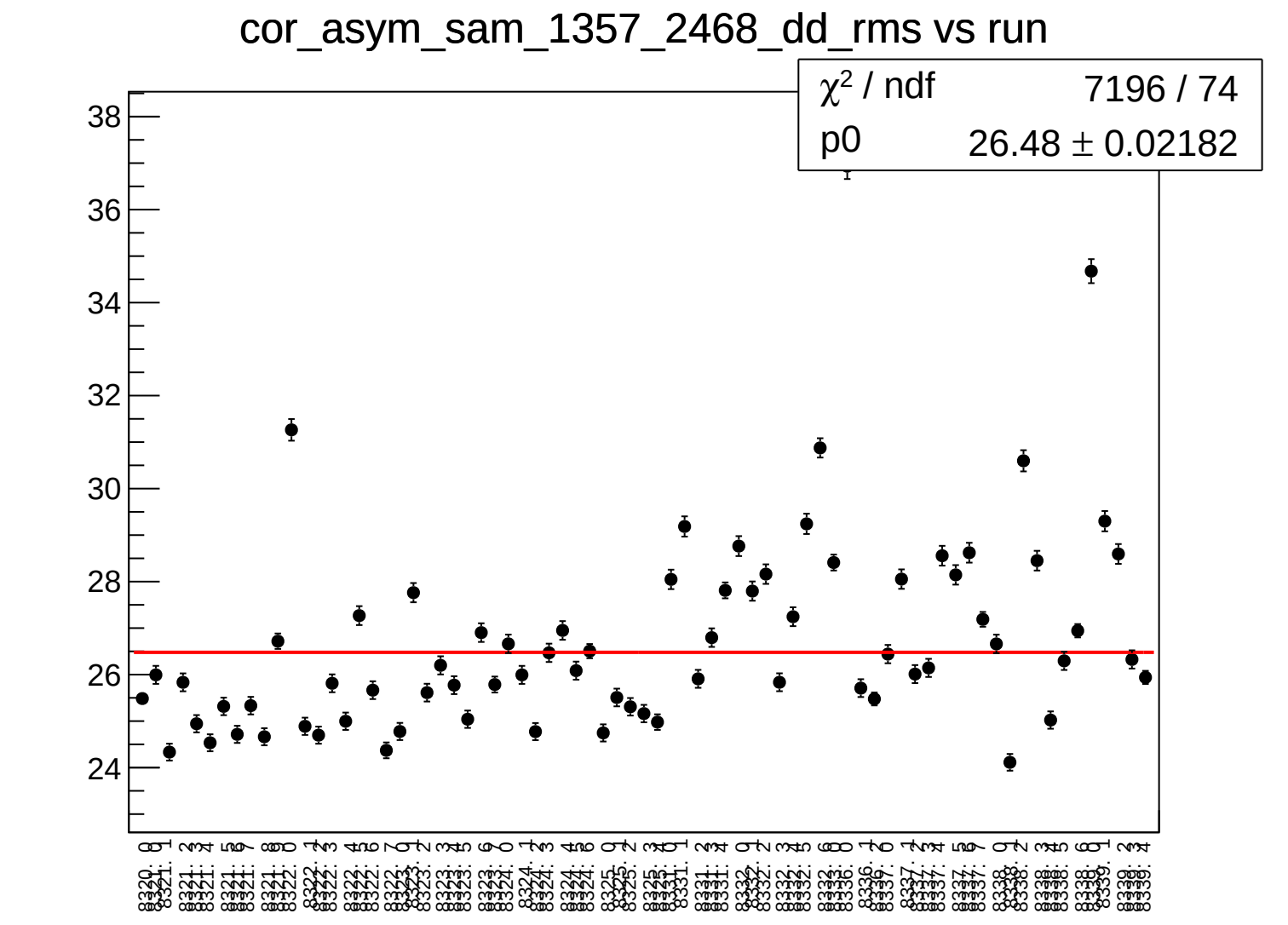

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7196 / 74
p0 26.48 ± 0.02182
38
36
34
32
30
28
26
24

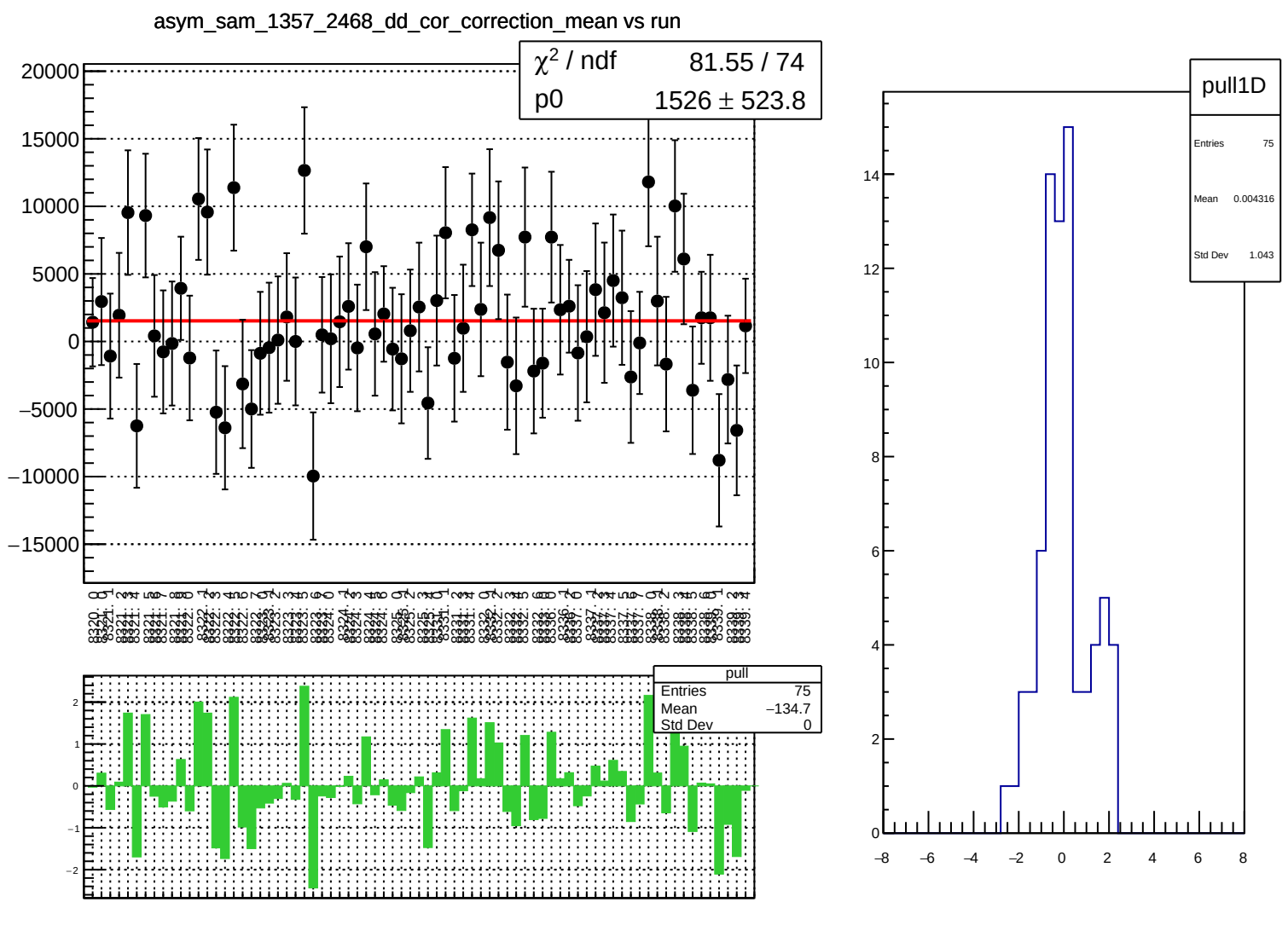

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 81.55 / 74
p0 1526 ± 523.8
pull
Entries 75
Mean −134.7
Std Dev 0
pull1D
Entries 75
Mean 0.004316
Std Dev 1.043

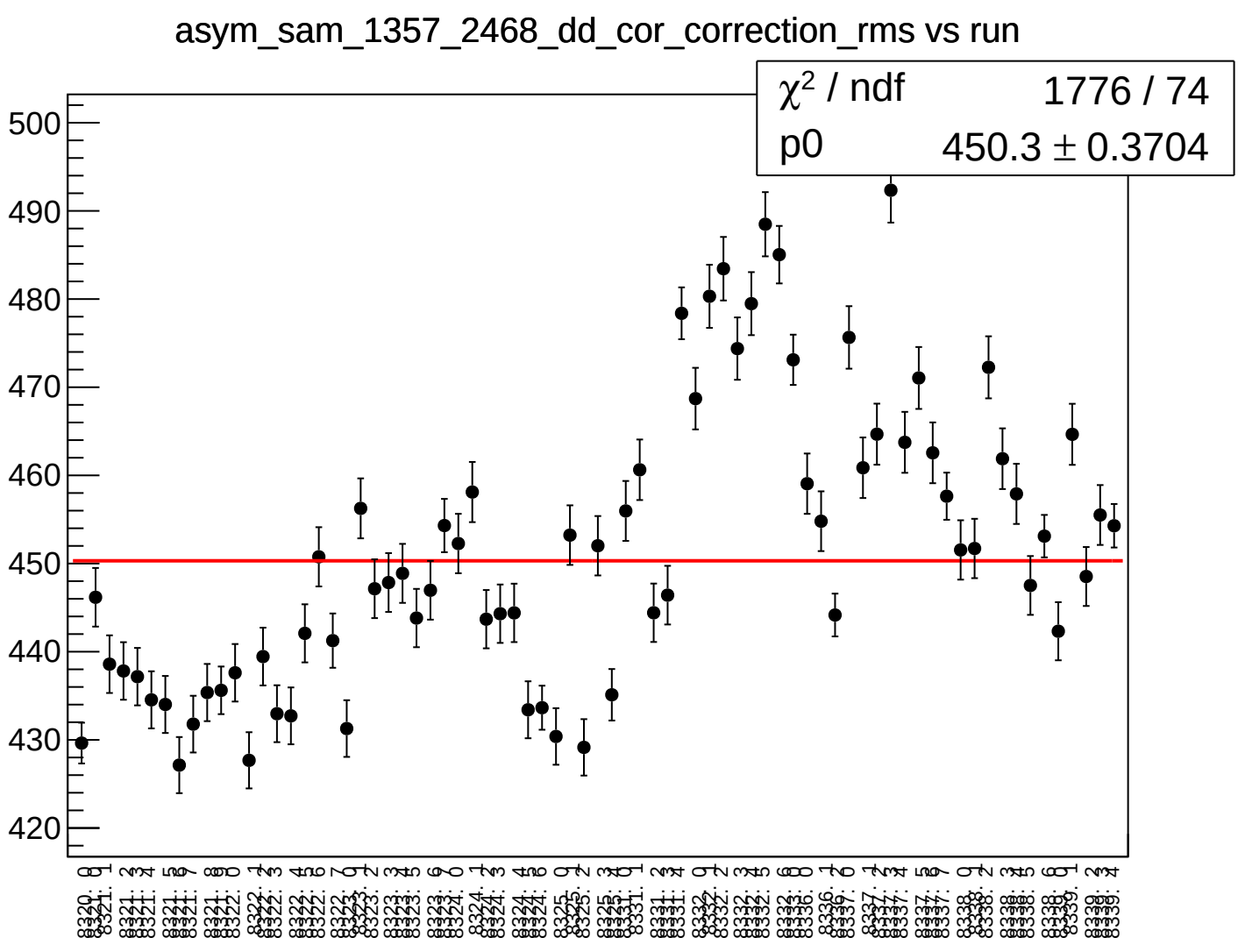

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 1776 / 74
p0 450.3 ± 0.3704
500
490
480
470
460
450
440
430
420

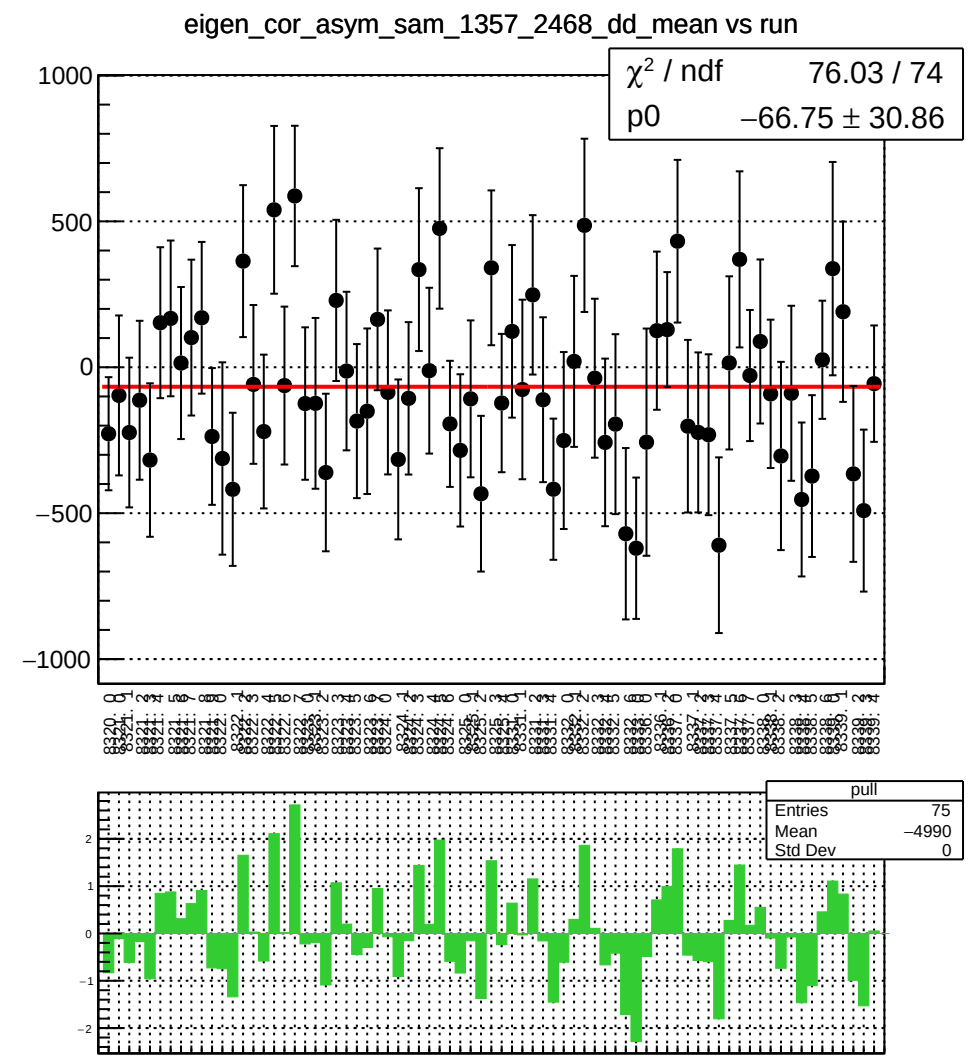

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.03 / 74
p0 −66.75 ± 30.86
1000
500
0
−500
−1000
pull
Entries 75
Mean −4990
Std Dev 0
2
1
0
−1
−2

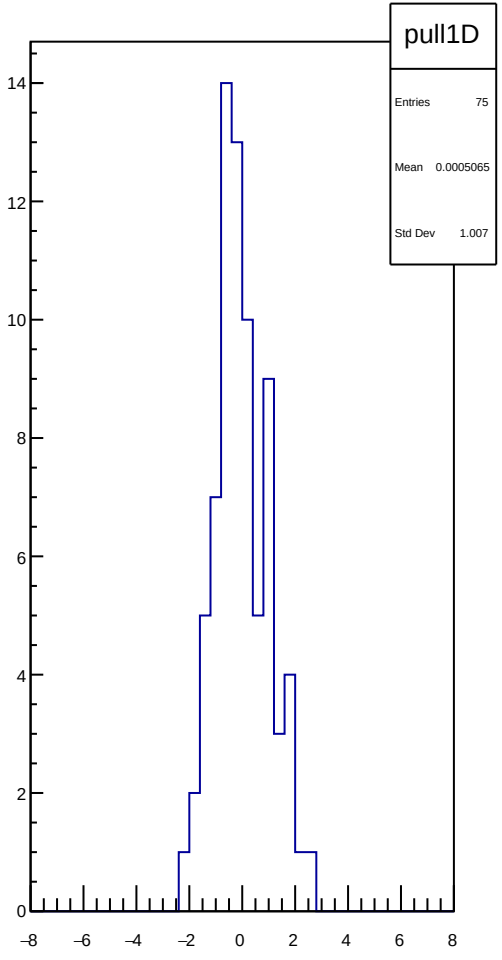

pull1D
Entries 75
Mean 0.0005065
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

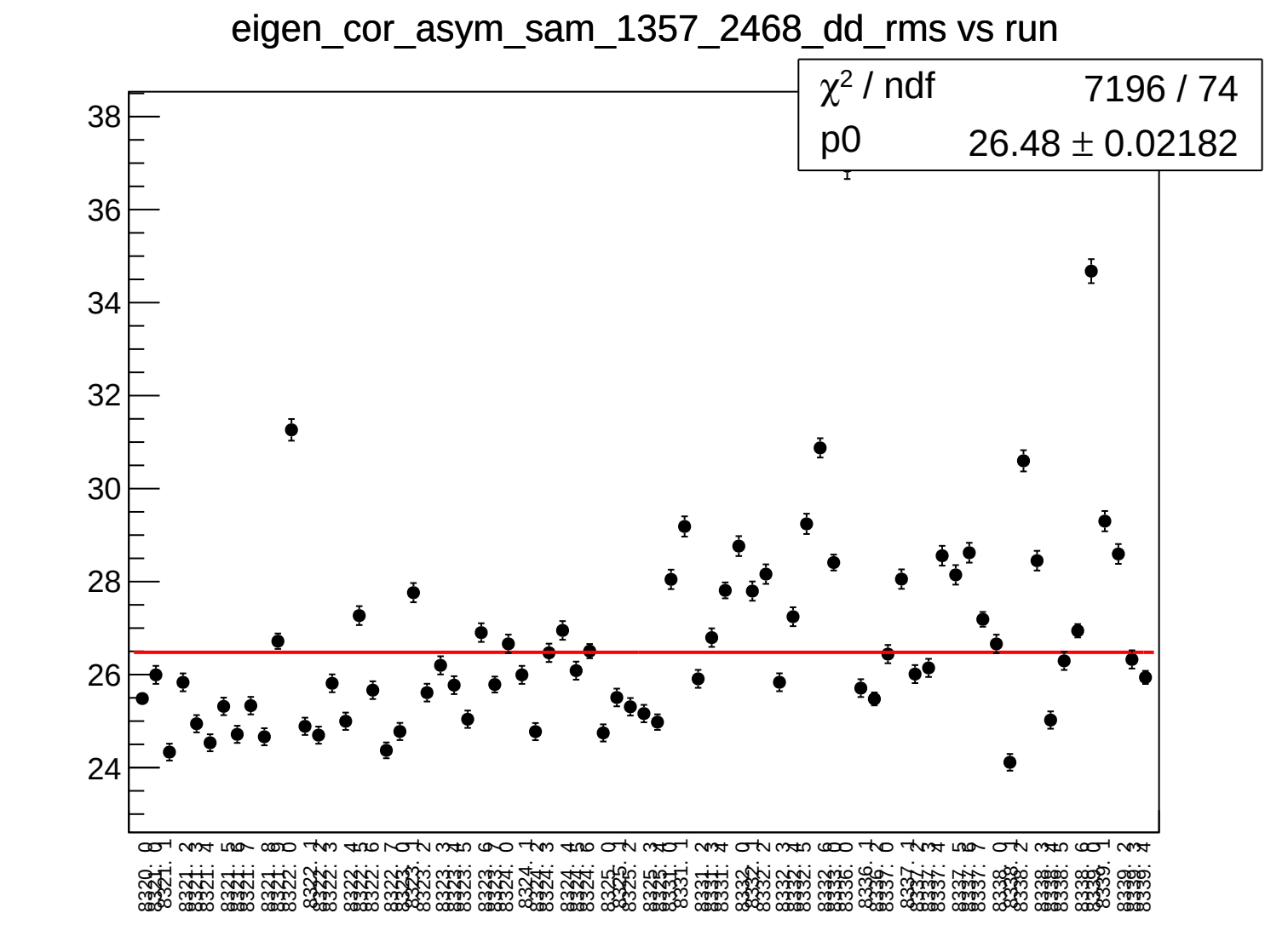

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7196 / 74
p0 26.48 ± 0.02182
38
36
34
32
30
28
26
24

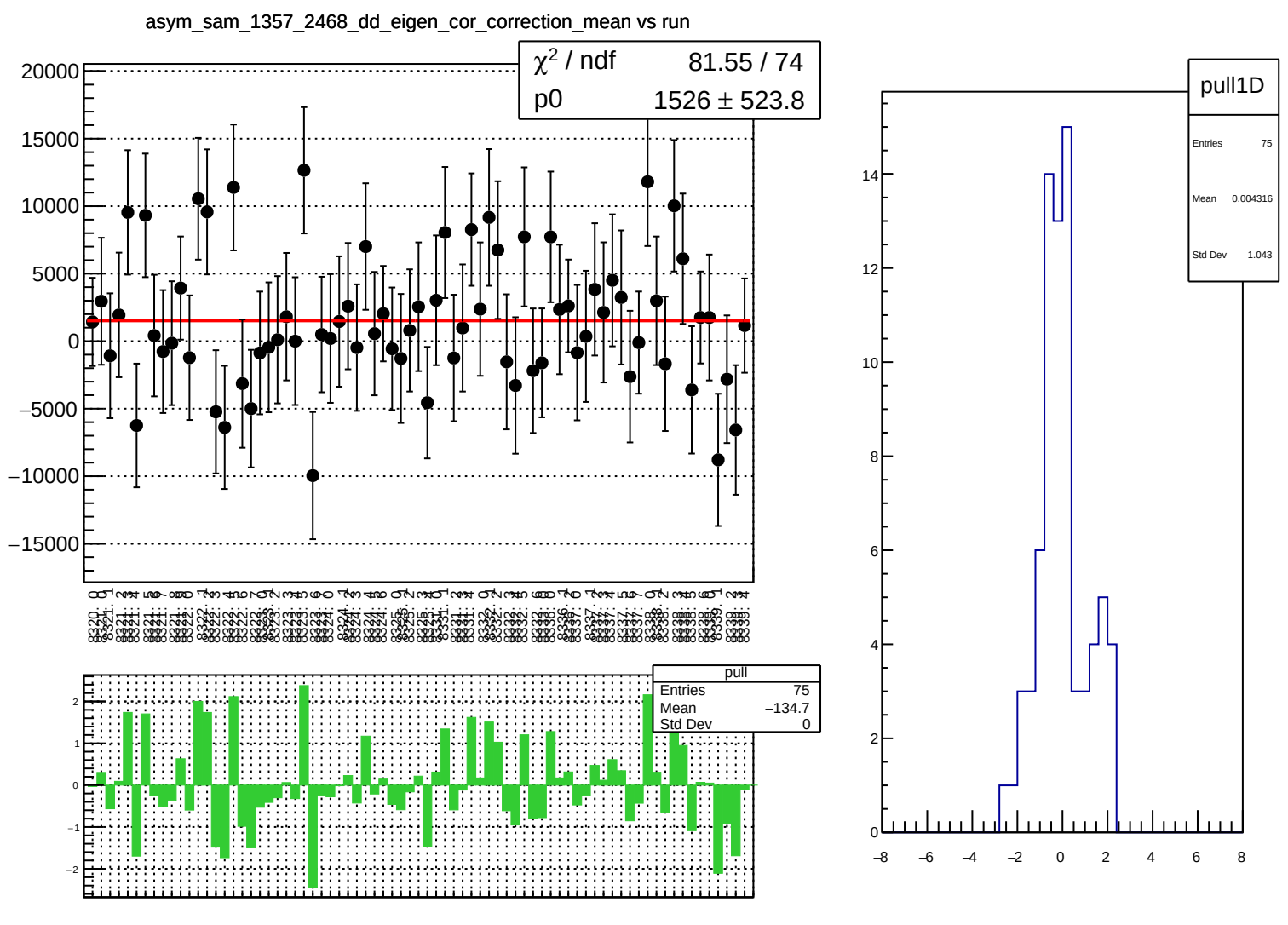

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 81.55 / 74
p0 1526 ± 523.8
pull
Entries 75
Mean −134.7
Std Dev 0
pull1D
Entries 75
Mean 0.004316
Std Dev 1.043

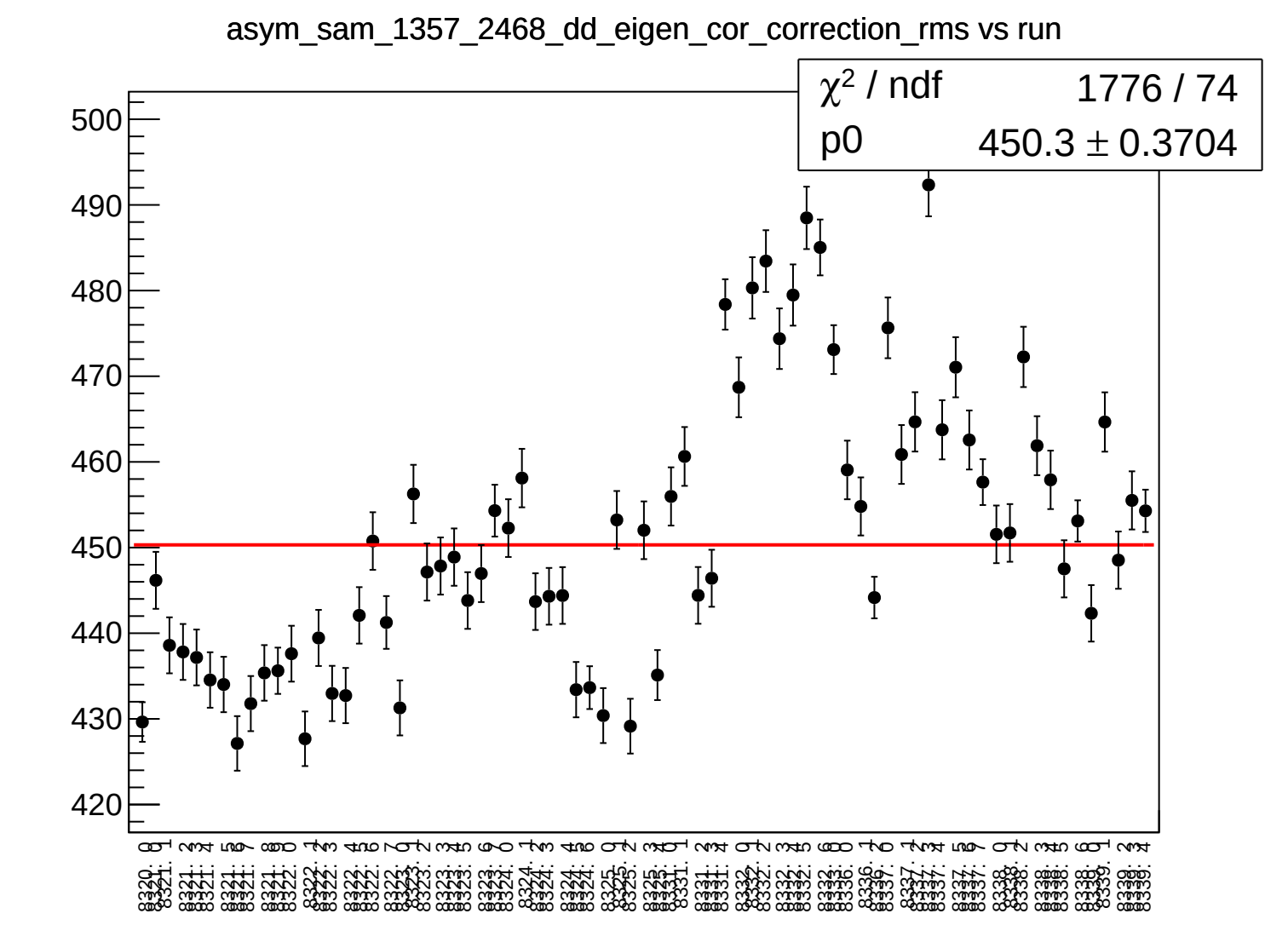

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 1776 / 74
p0 450.3 ± 0.3704
500
490
480
470
460
450
440
430
420

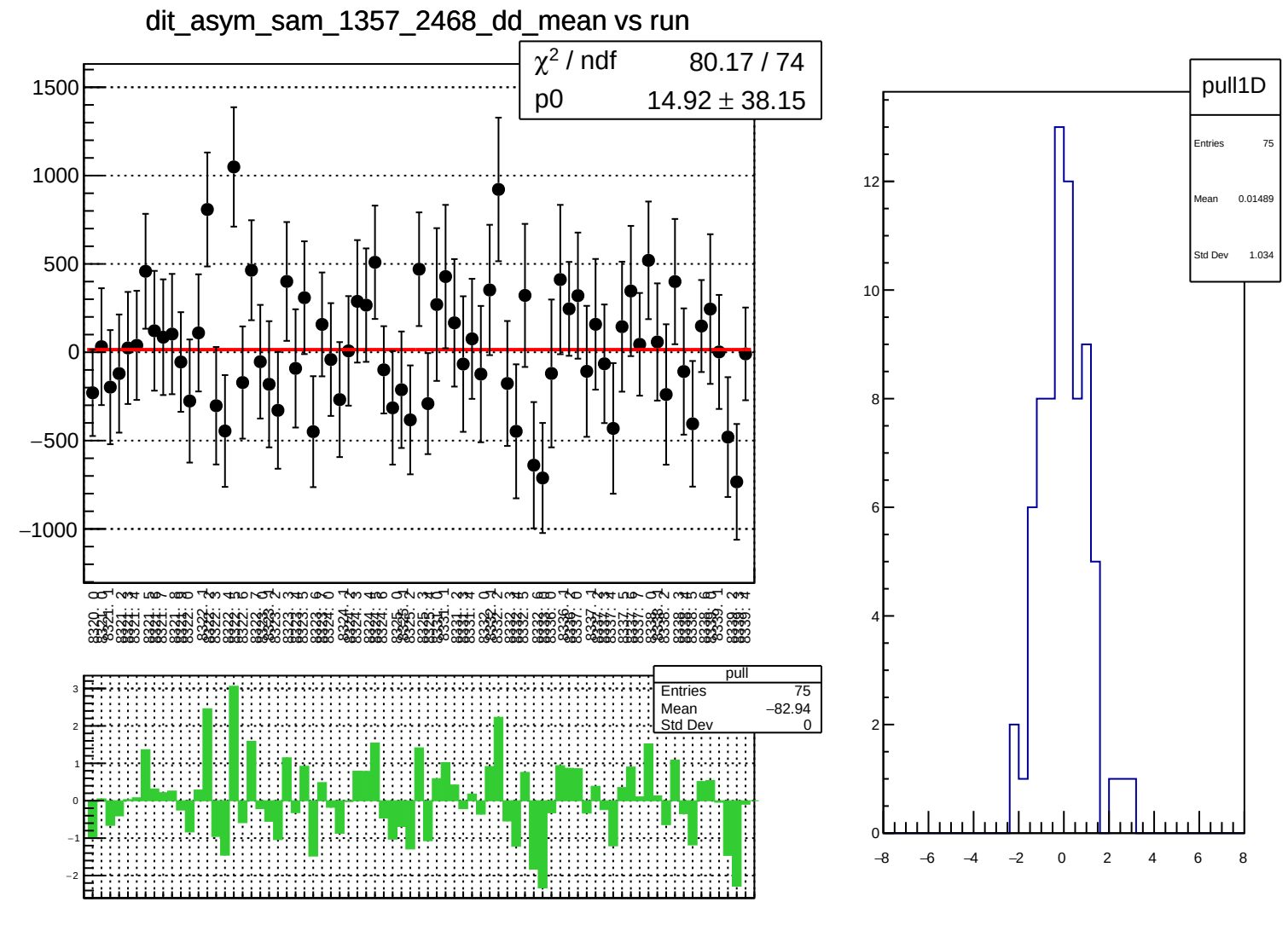

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.03 / 74
p0 −66.75 ± 30.86
1000
500
0
−500
−1000
pull
Entries 75
Mean −4990
Std Dev 0
2
1
0
−1
−2

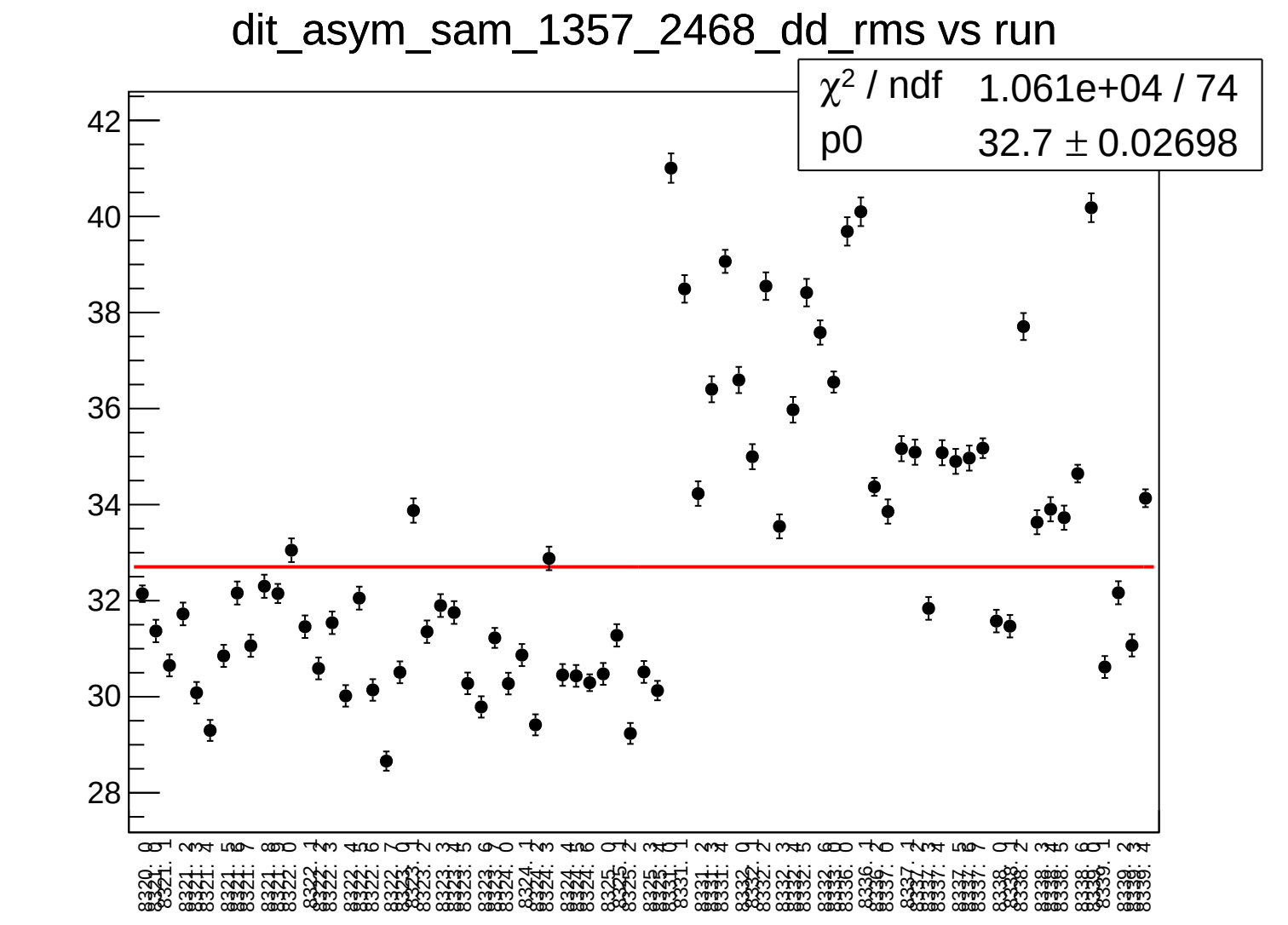

pull1D
Entries 75
Mean 0.0005065
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

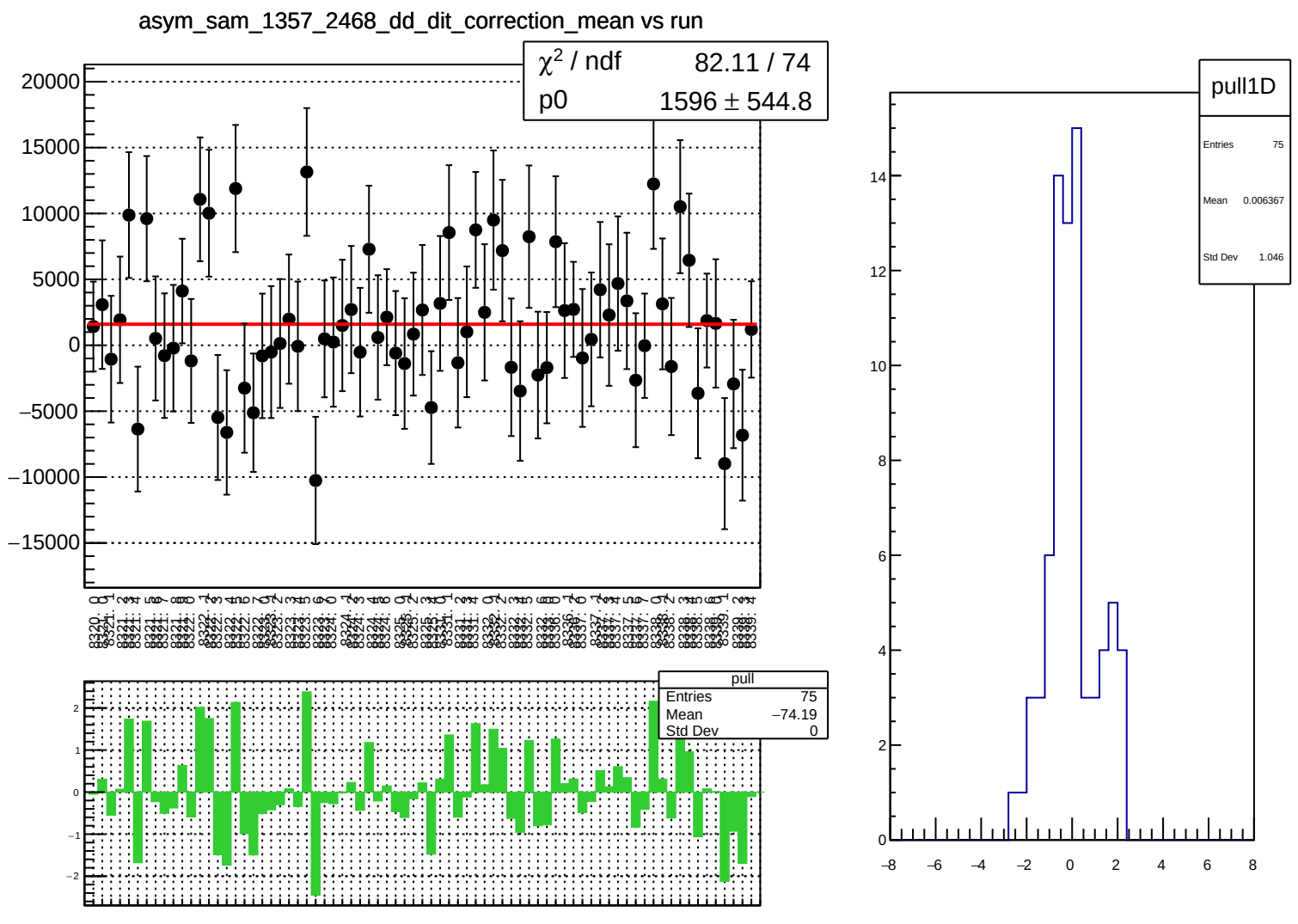

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7196 / 74
p0 26.48 ± 0.02182
38
36
34
32
30
28
26
24

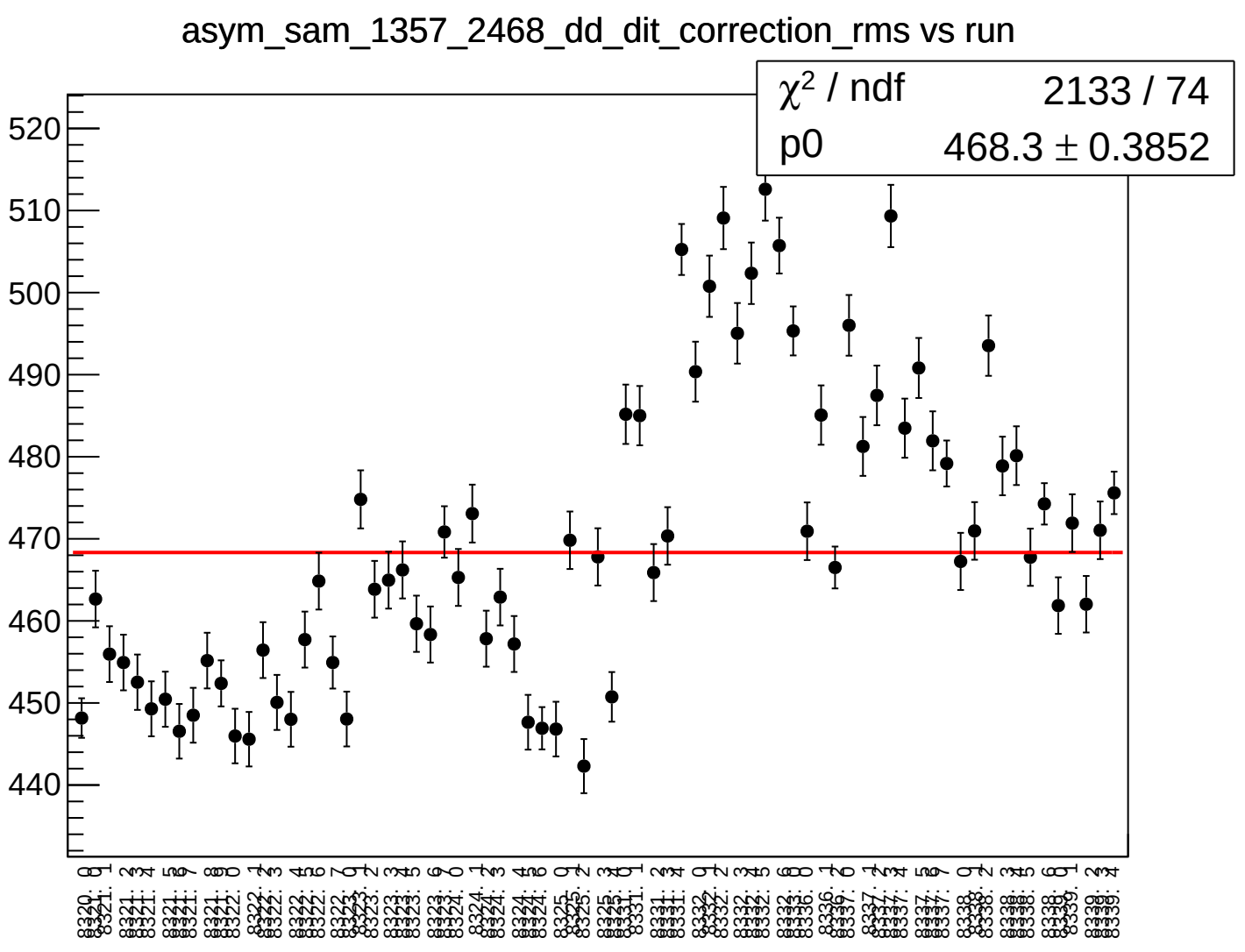

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 81.55 / 74
p0 1526 ± 523.8
pull
Entries 75
Mean −134.7
Std Dev 0
pull1D
Entries 75
Mean 0.004316
Std Dev 1.043

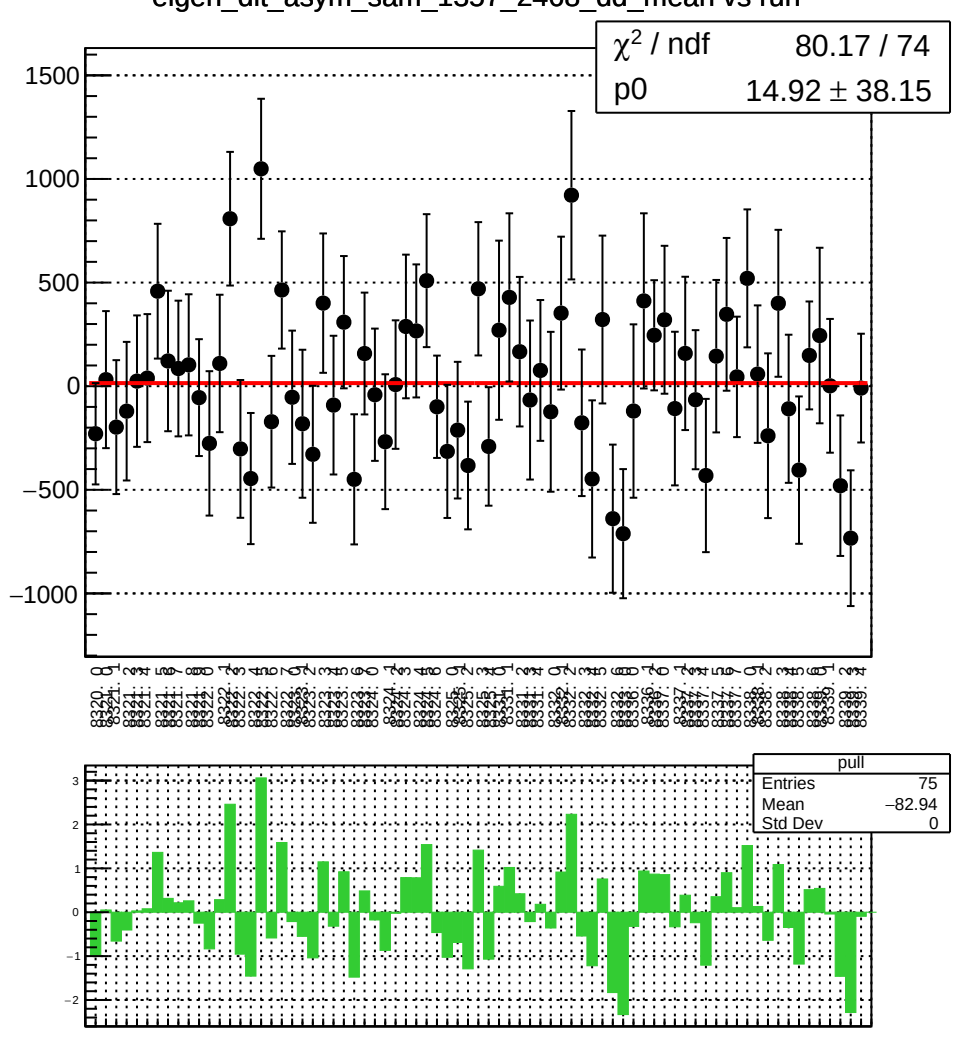

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 1776 / 74
p0 450.3 ± 0.3704
500
490
480
470
460
450
440
430
420

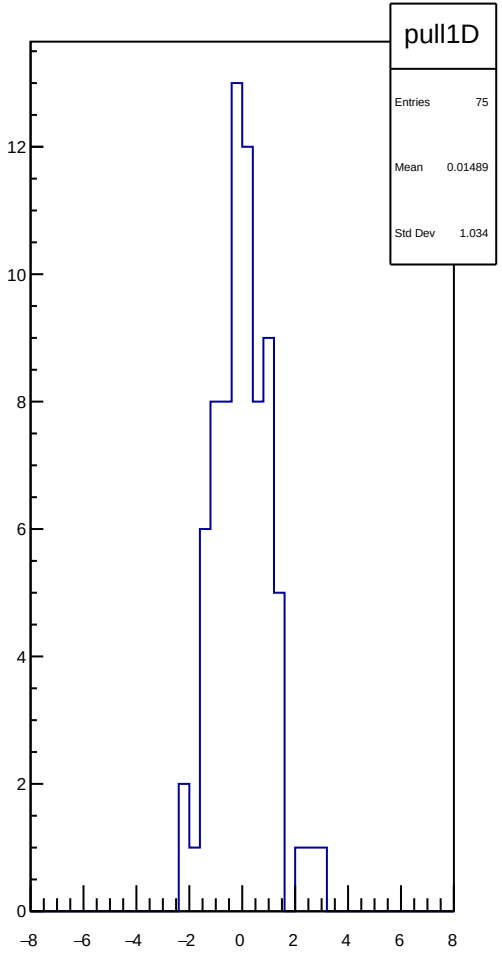

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 80.17 / 74
p0 14.92 ± 38.15
pull
Entries 75
Mean −82.94
Std Dev 0
pull1D
Entries 75
Mean 0.01489
Std Dev 1.034

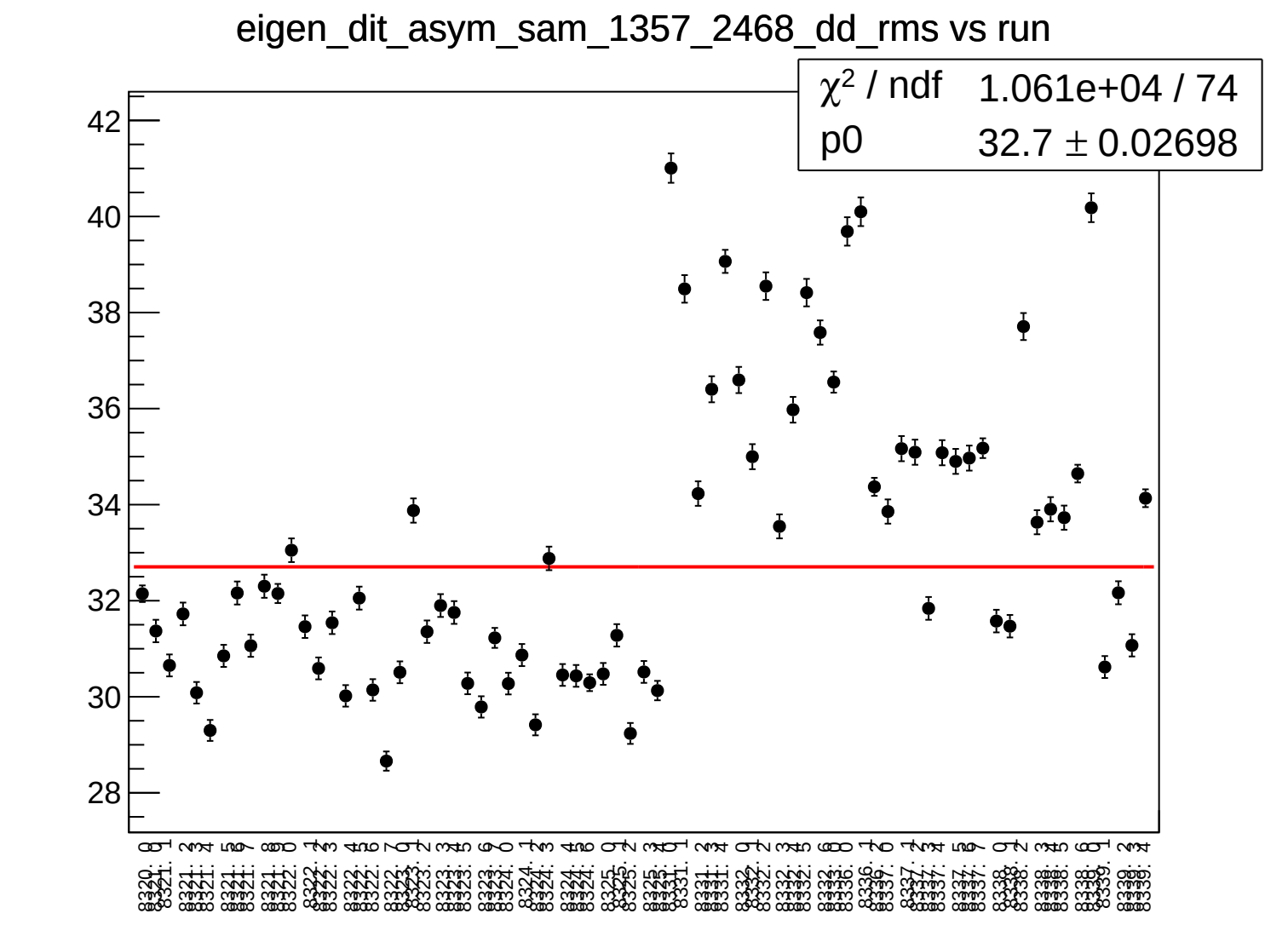

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.061e+04 / 74
p0 32.7 ± 0.02698
42
40
38
36
34
32
30
28

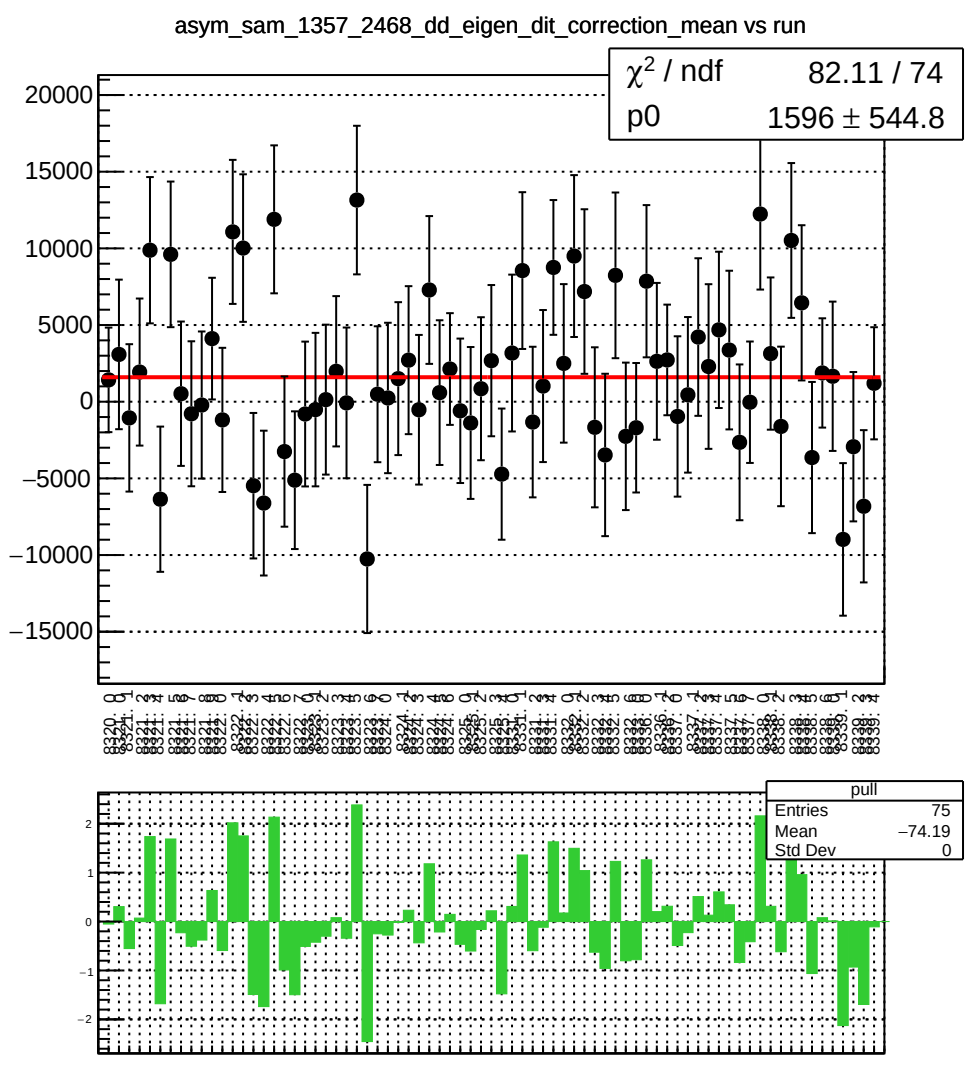

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 82.11 / 74
p0 1596 ± 544.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 75
Mean −74.19
Std Dev 0
pull1D
Entries 75
Mean 0.006367
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

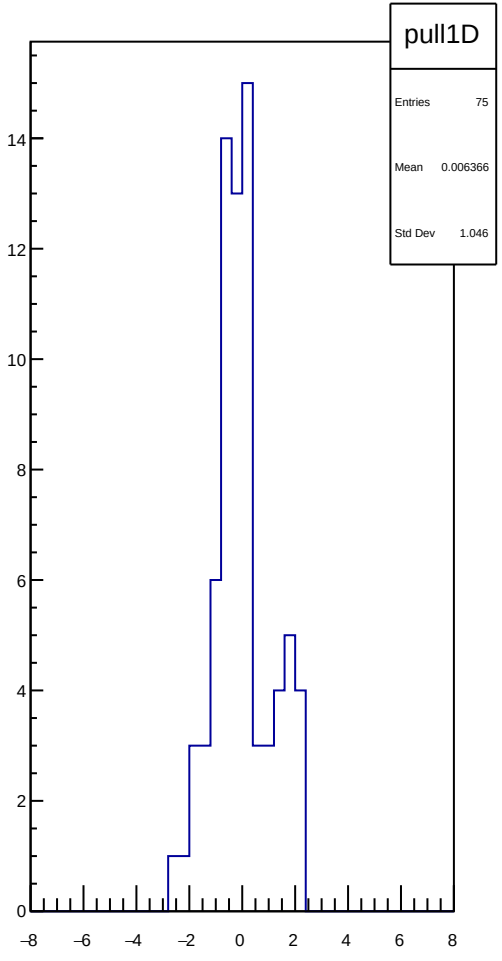

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 2133 / 74
p0 468.3 ± 0.3852
520
510
500
490
480
470
460
450
440

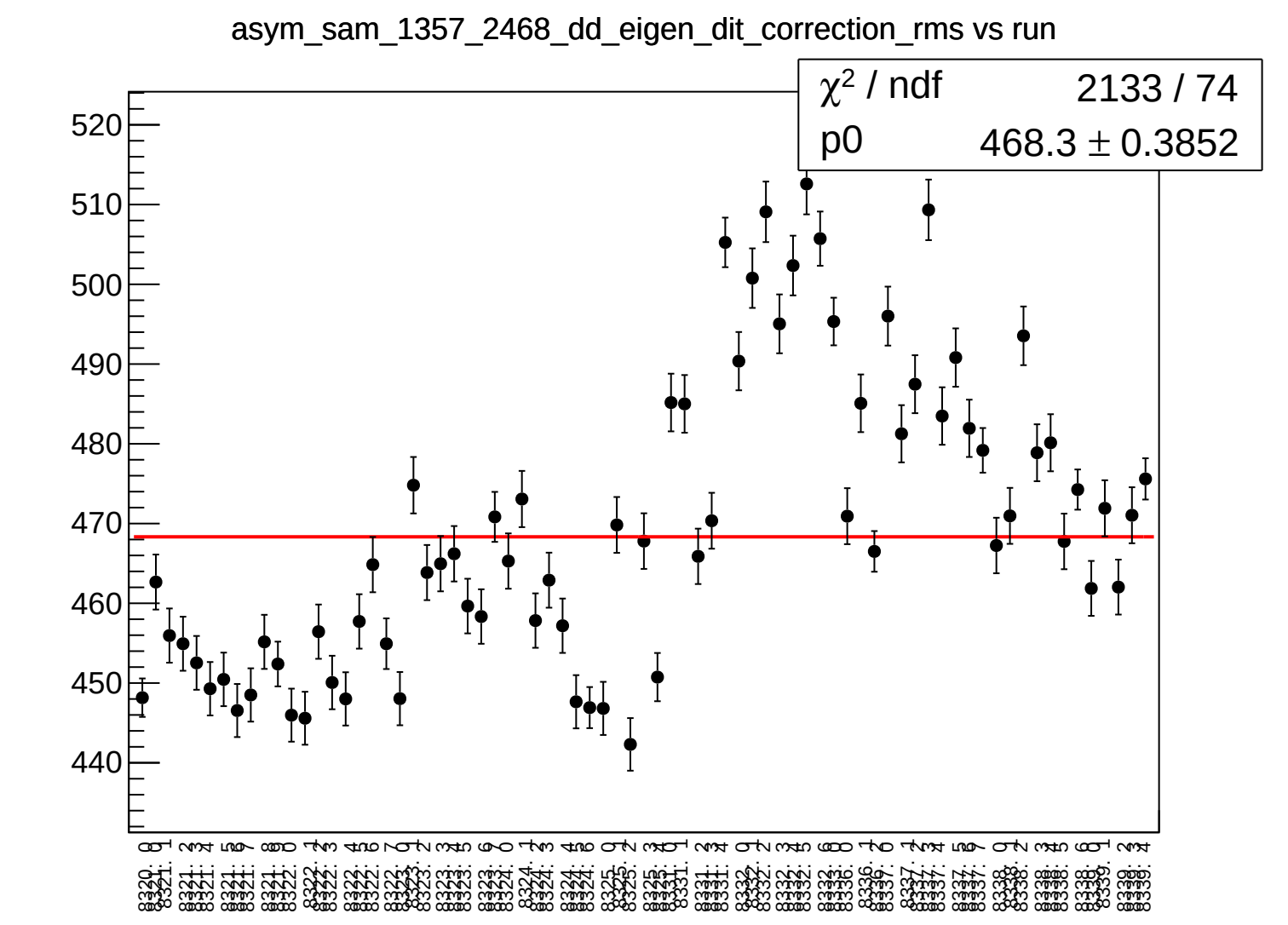

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 80.17 / 74
p0 14.92 ± 38.15
1500
1000
500
0
−500
−1000
pull
Entries 75
Mean −82.94
Std Dev 0
3
2
1
0
−1
−2

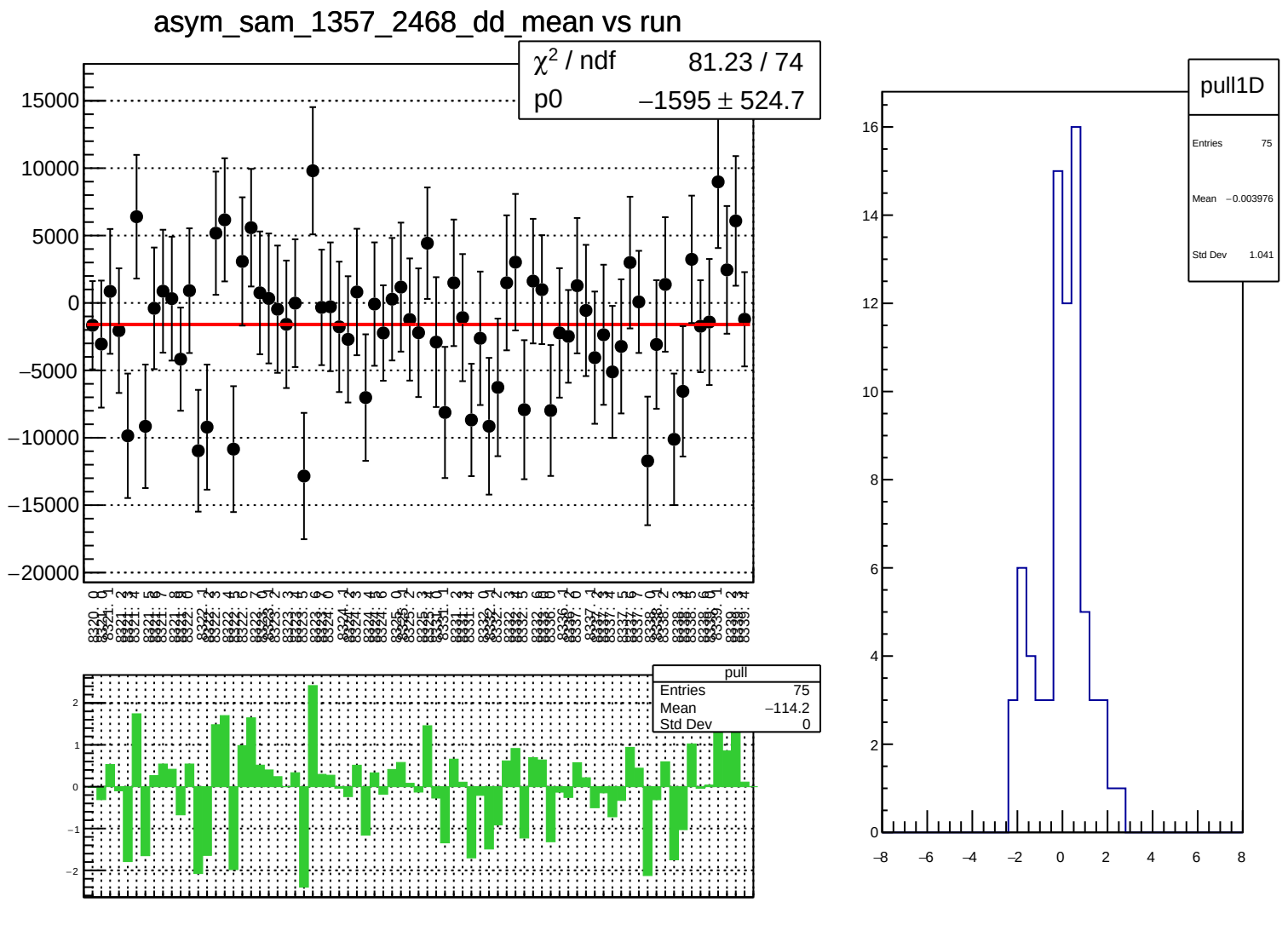

pull1D
Entries 75
Mean 0.01489
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

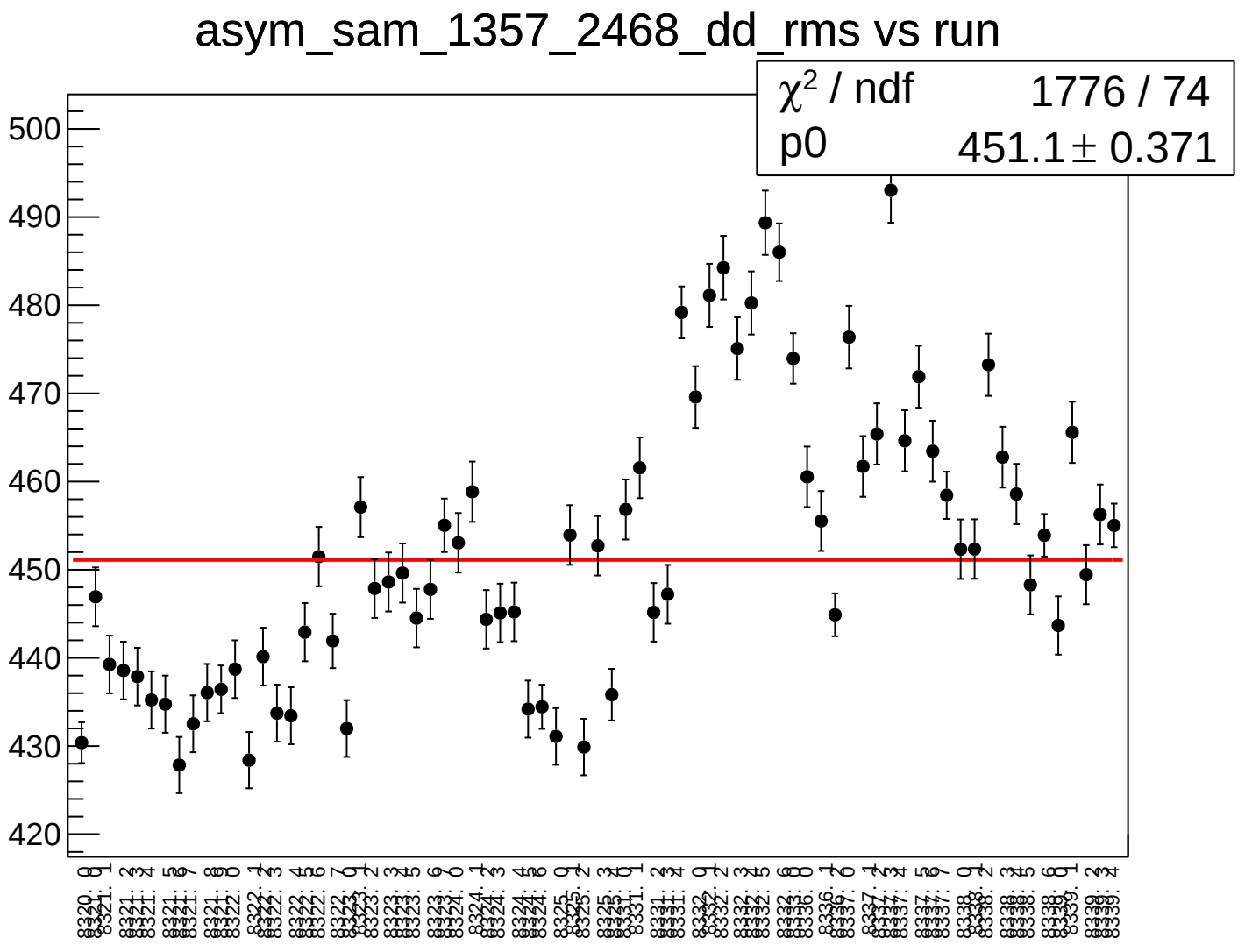

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.061e+04 / 74
p0 32.7 ± 0.02698
42
40
38
36
34
32
30
28

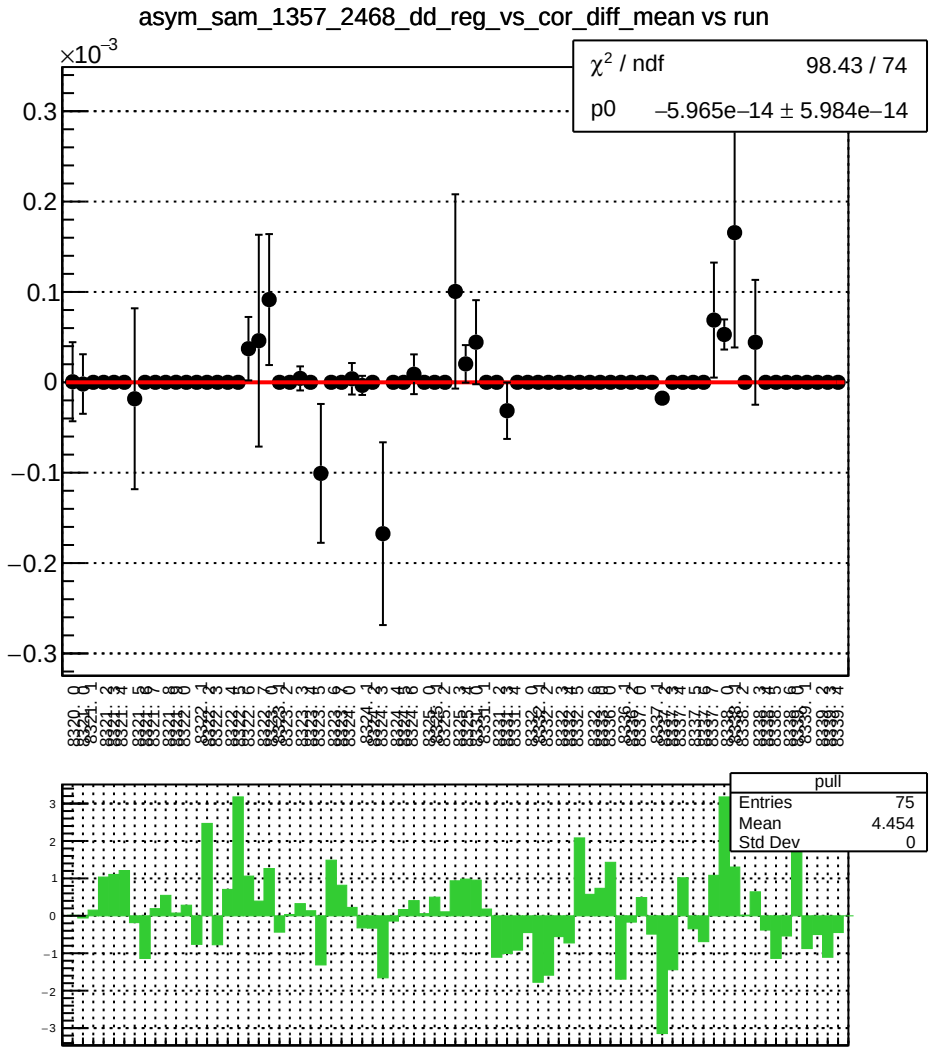

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 82.11 / 74
p0 1596 ± 544.8
pull
Entries 75
Mean −74.19
Std Dev 0

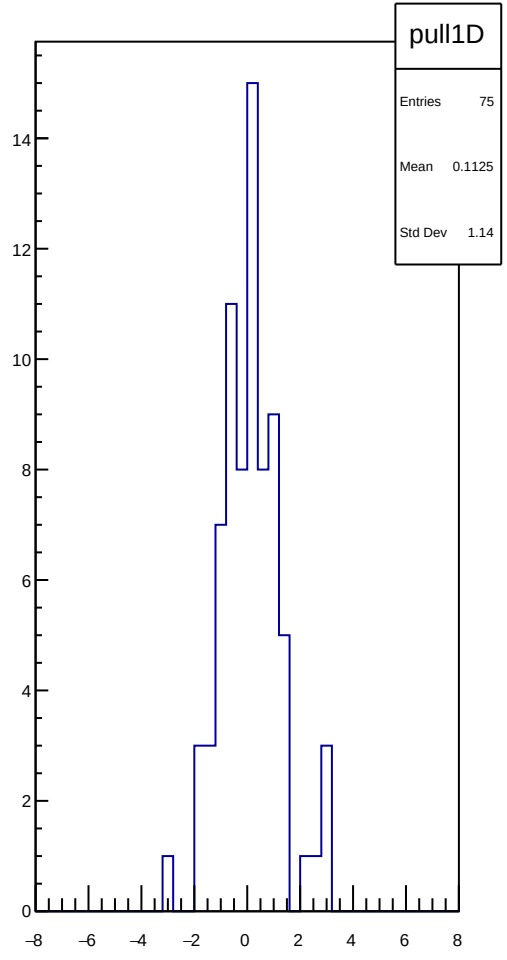

pull1D
Entries 75
Mean 0.006366
Std Dev 1.046

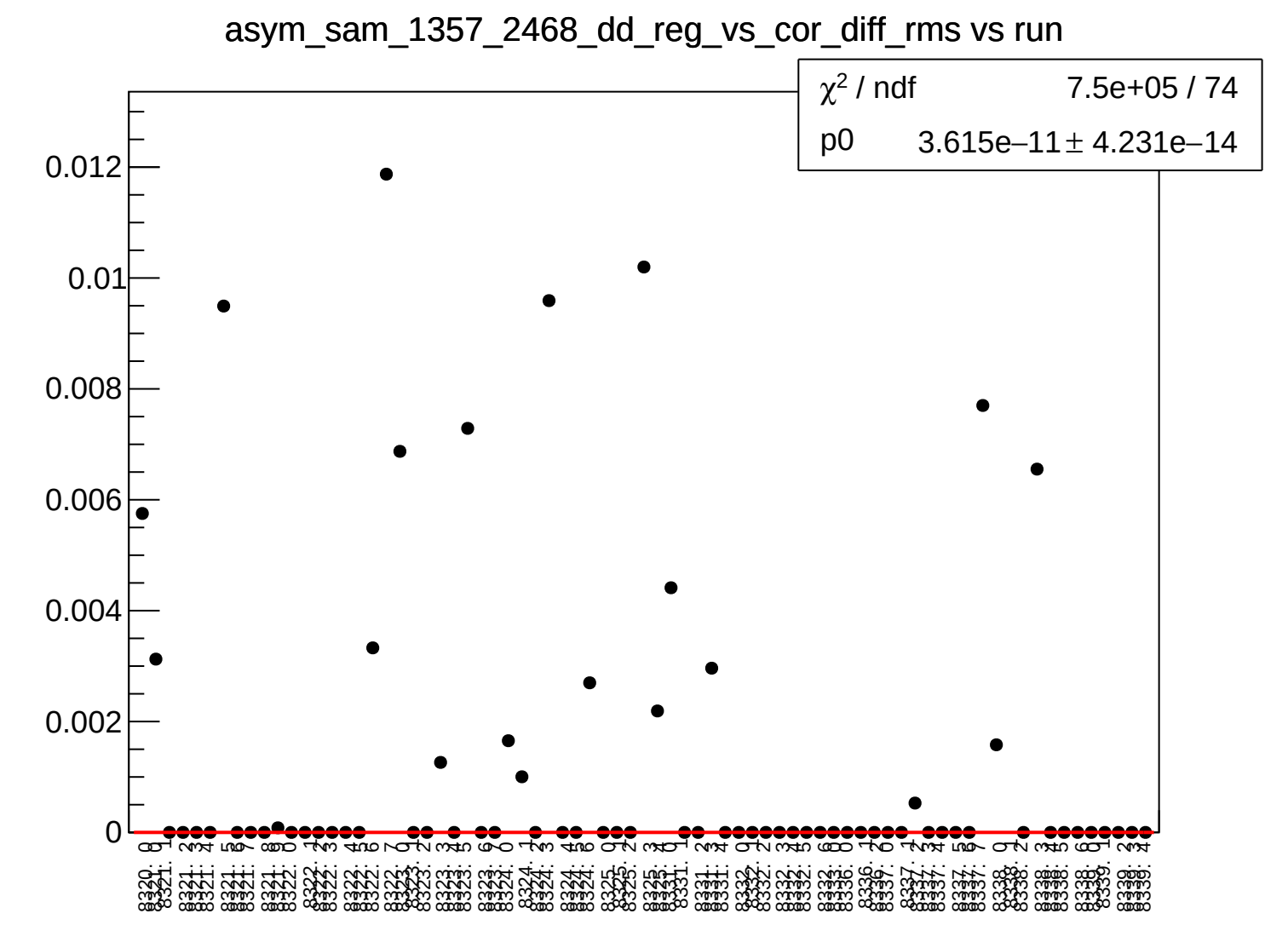

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 2133 / 74
p0 468.3 ± 0.3852
520
510
500
490
480
470
460
450
440

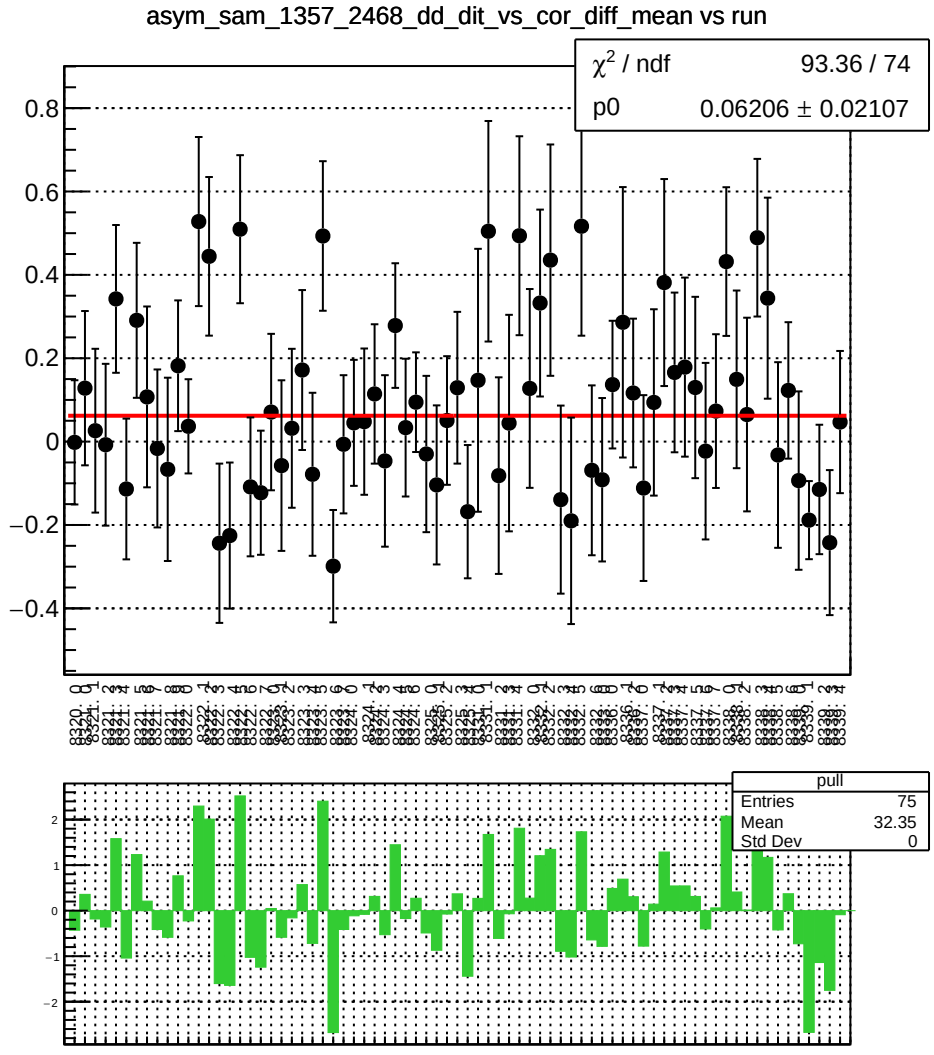

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 81.23 / 74
p0 −1595 ± 524.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 75
Mean −114.2
Std Dev 0
pull1D
Entries 75
Mean −0.003976
Std Dev 1.041

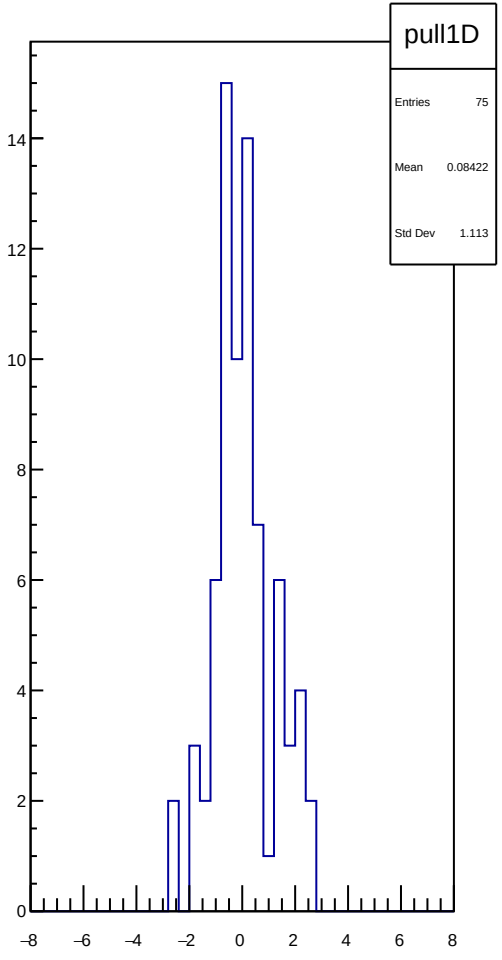

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1776 / 74
p0 451.1 ± 0.371
500
490
480
470
460
450
440
430
420

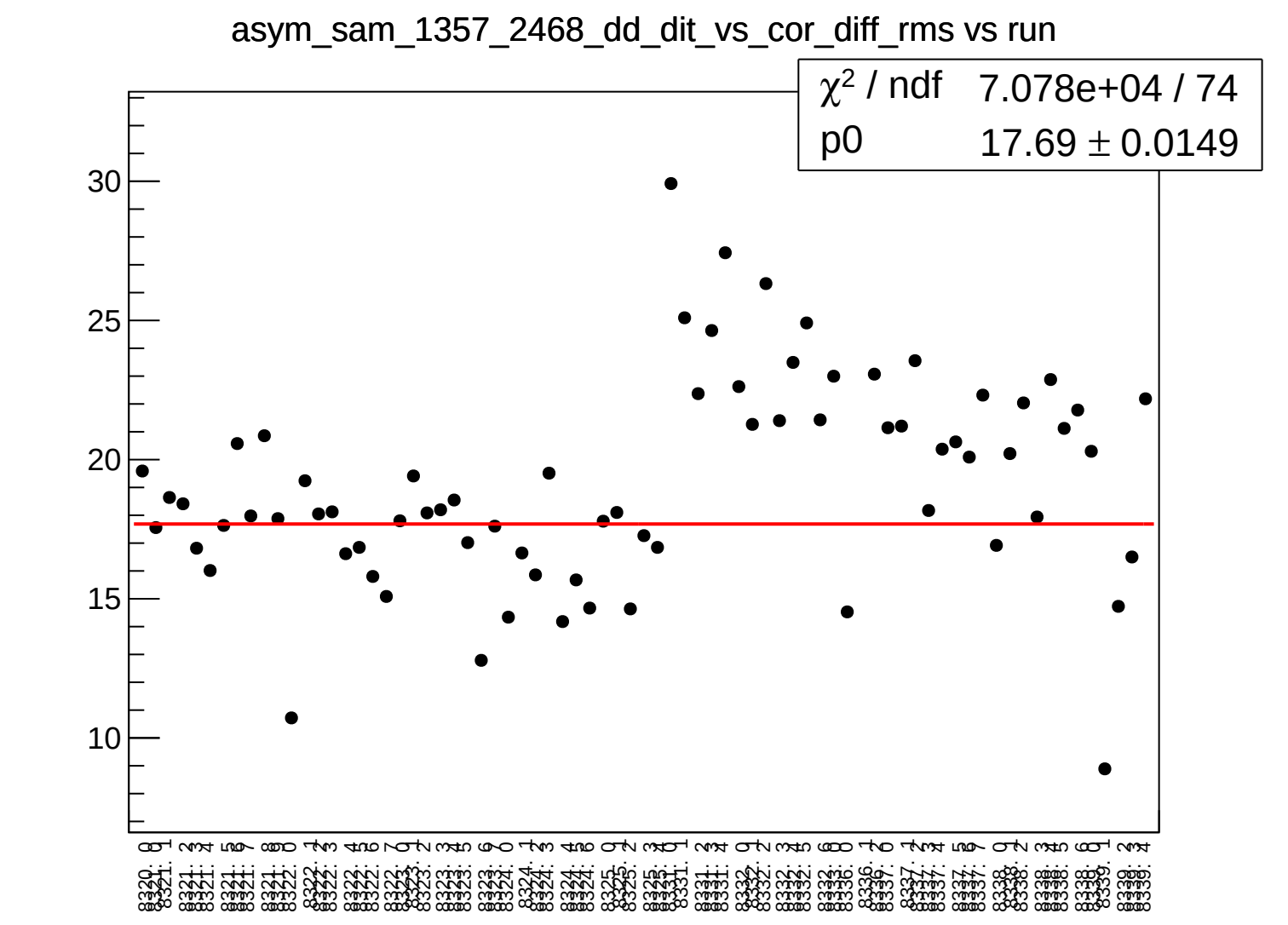

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 98.43 / 74
p0 −5.965e−14 ± 5.984e−14
pull
Entries 75
Mean 4.454
Std Dev 0

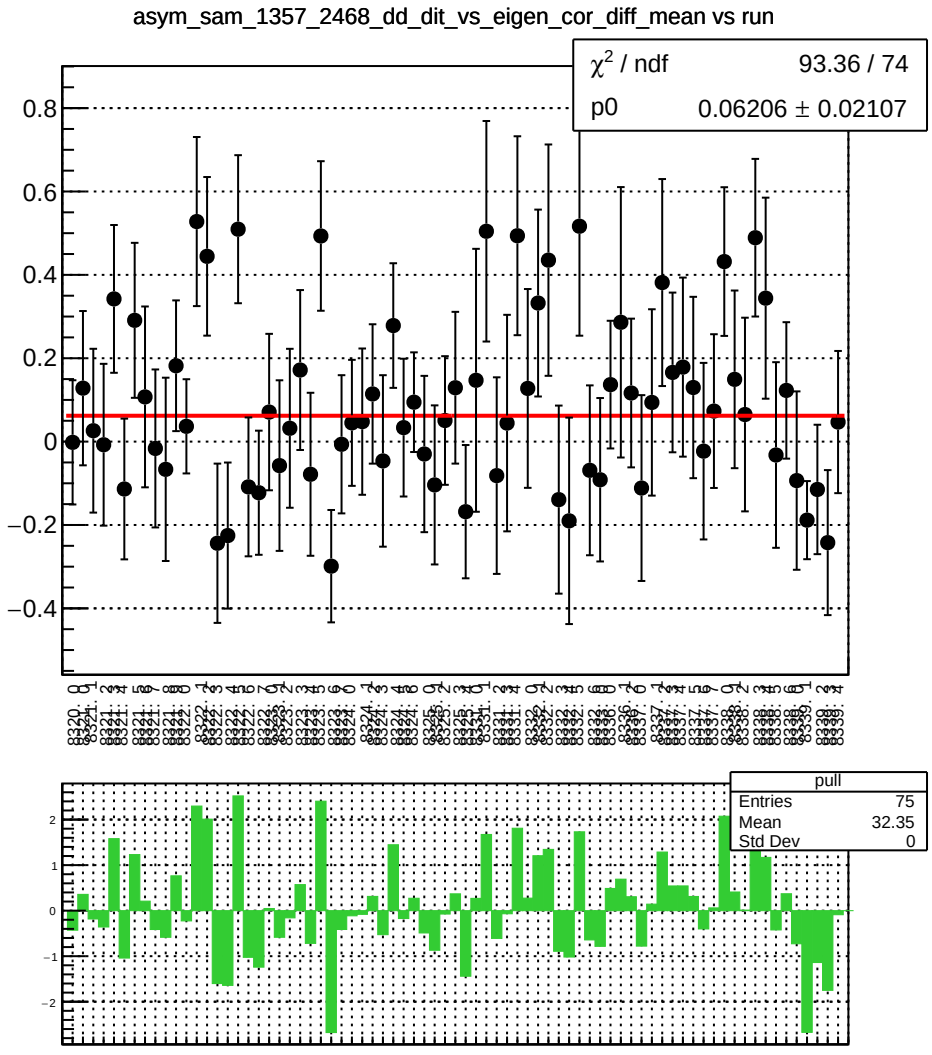

pull1D
Entries 75
Mean 0.1125
Std Dev 1.14

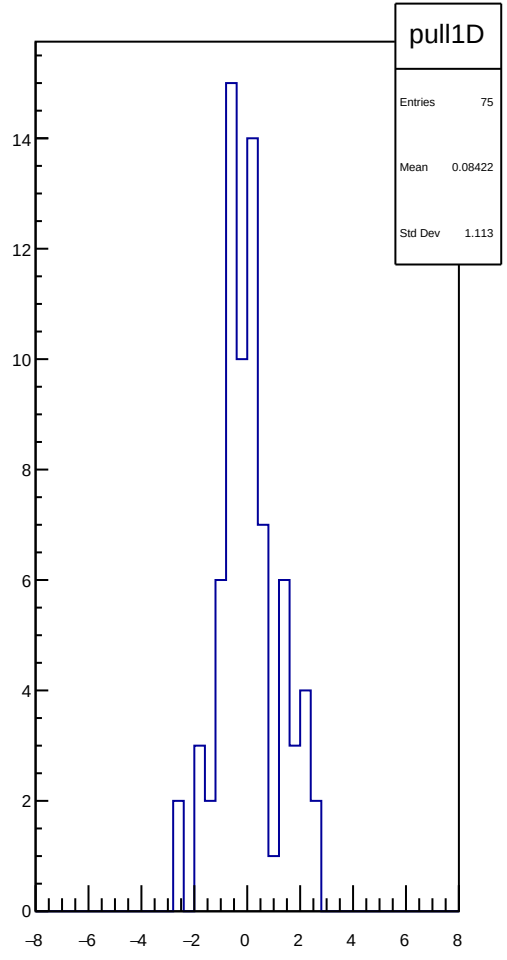

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.5e+05 / 74
p0 3.615e−11 ± 4.231e−14
0.012
0.01
0.008
0.006
0.004
0.002
0

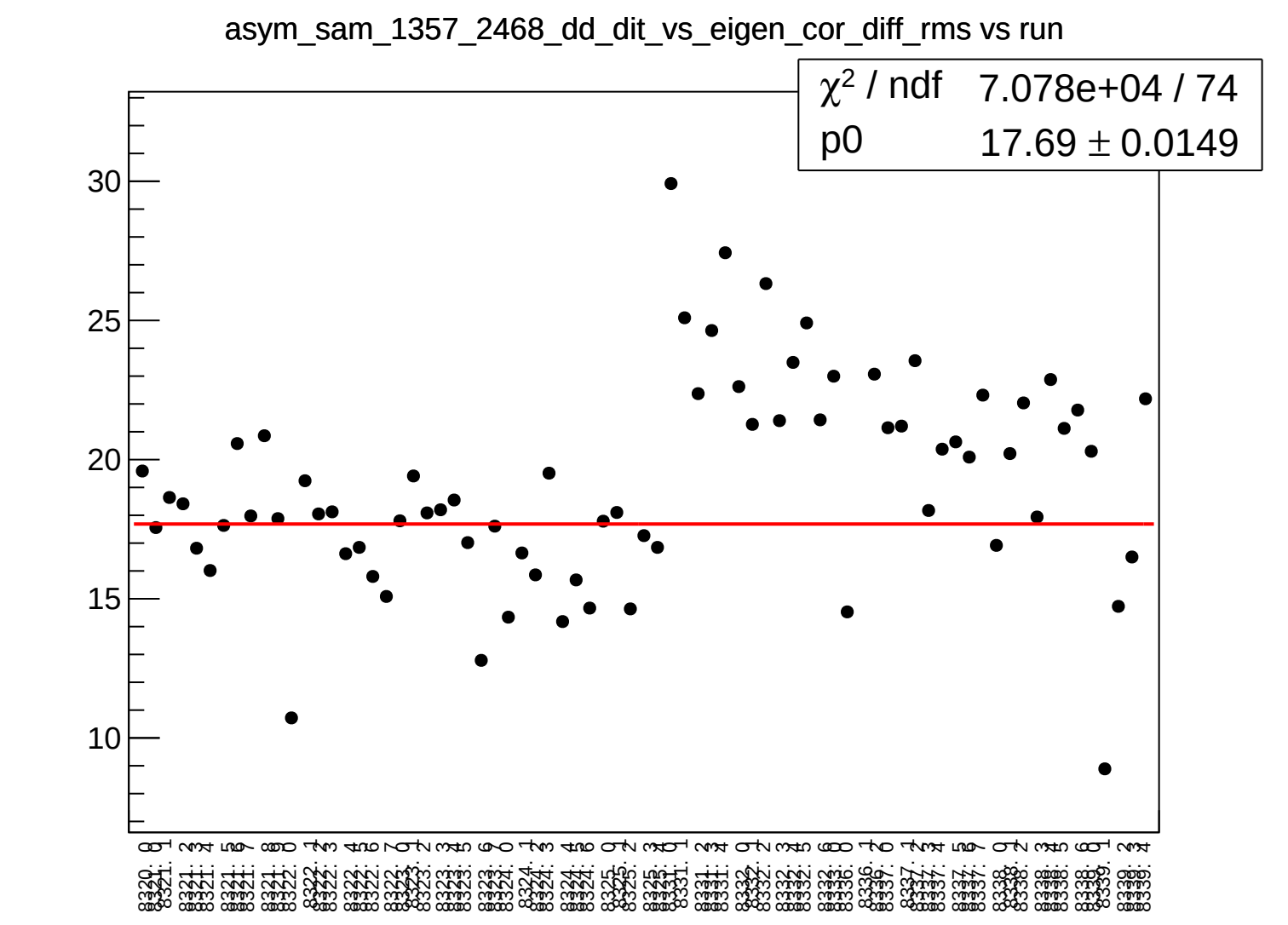

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 93.36 / 74
p0 0.06206 ± 0.02107
pull
Entries 75
Mean 32.35
Std Dev 0

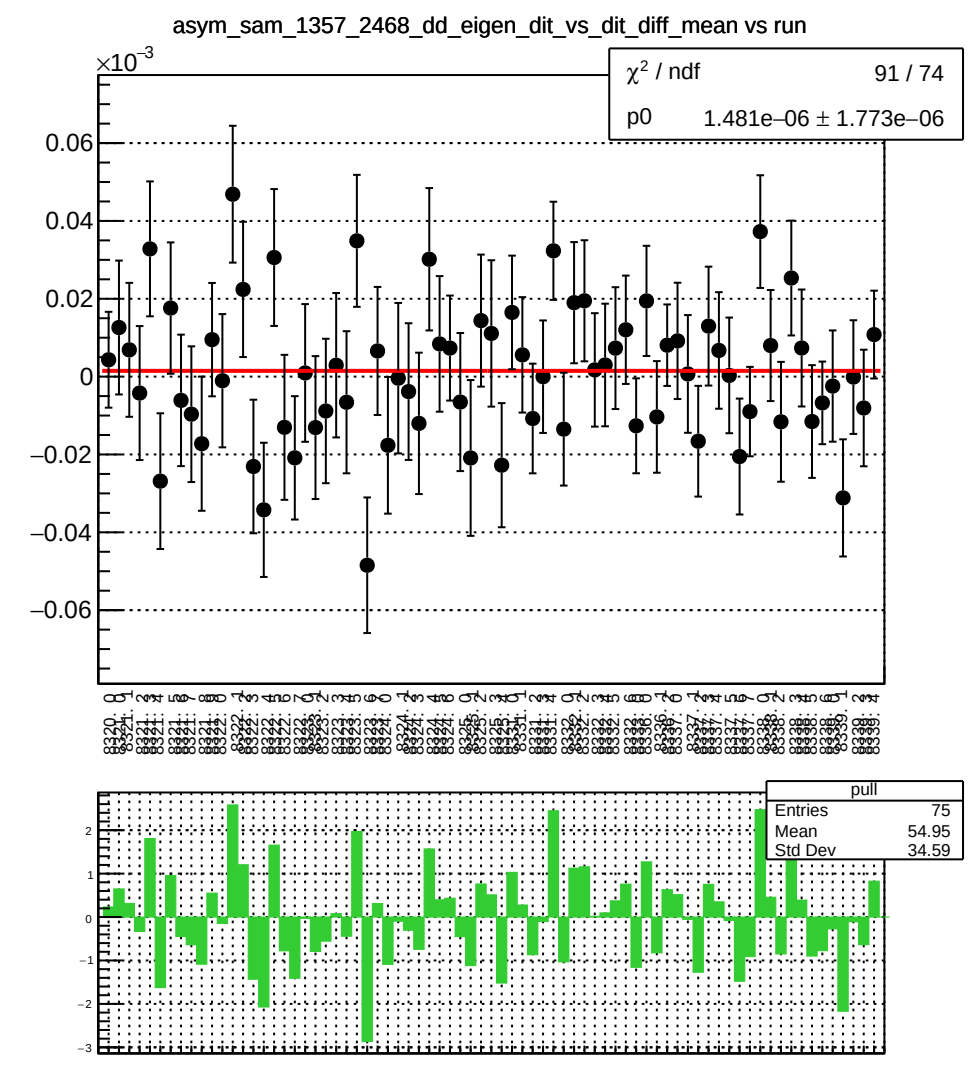

pull1D
Entries 75
Mean 0.08422
Std Dev 1.113

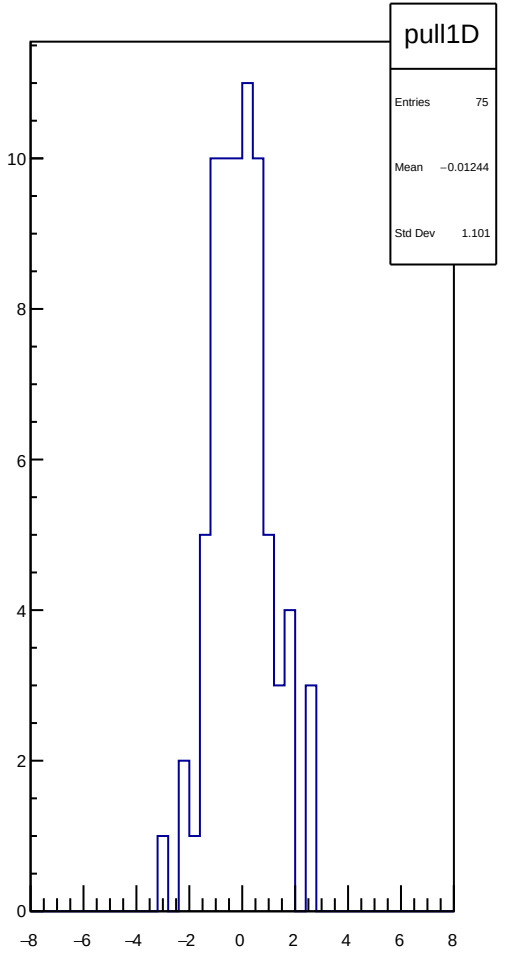

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.078e+04 / 74
p0 17.69 ± 0.0149
30
25
20
15
10

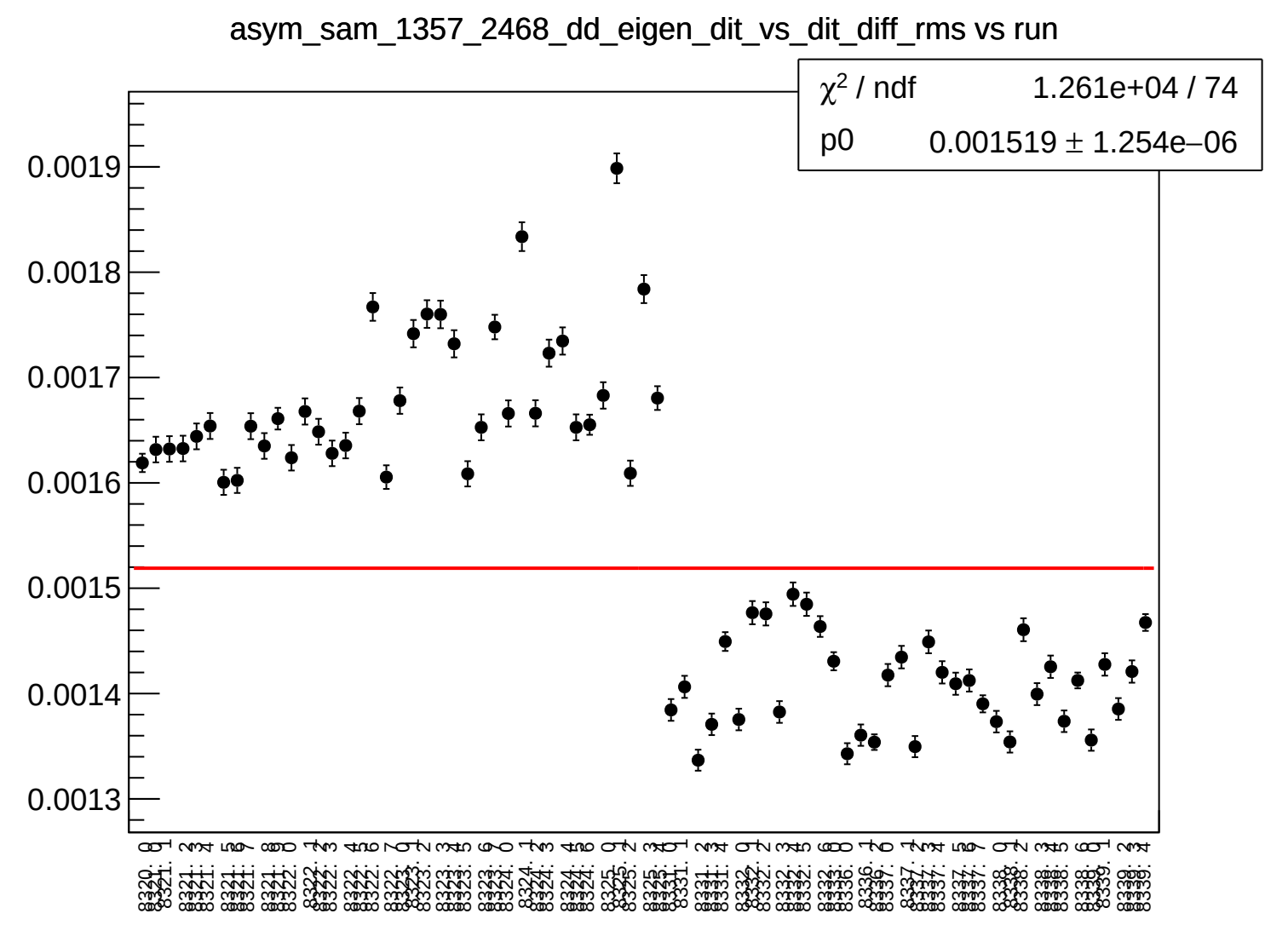

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.36 / 74
p0 0.06206 ± 0.02107
pull
Entries 75
Mean 32.35
Std Dev 0

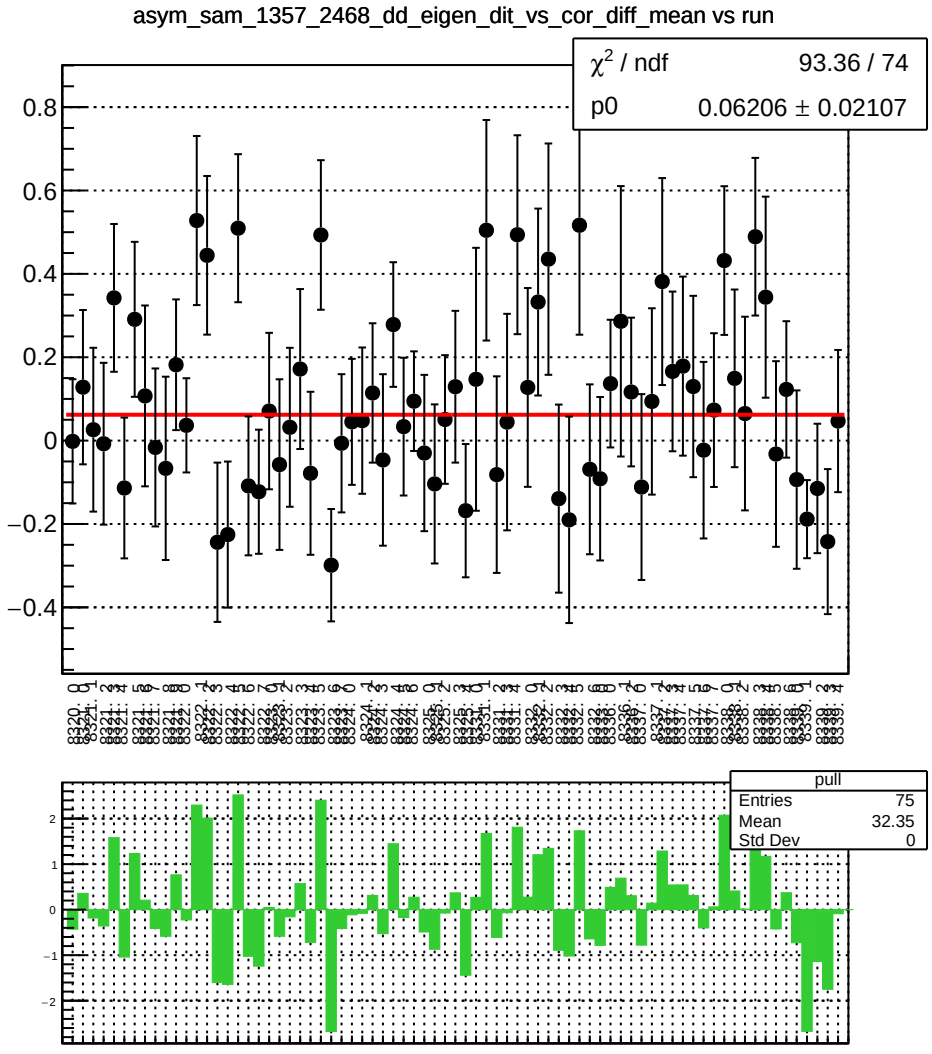

pull1D
Entries 75
Mean 0.08422
Std Dev 1.113

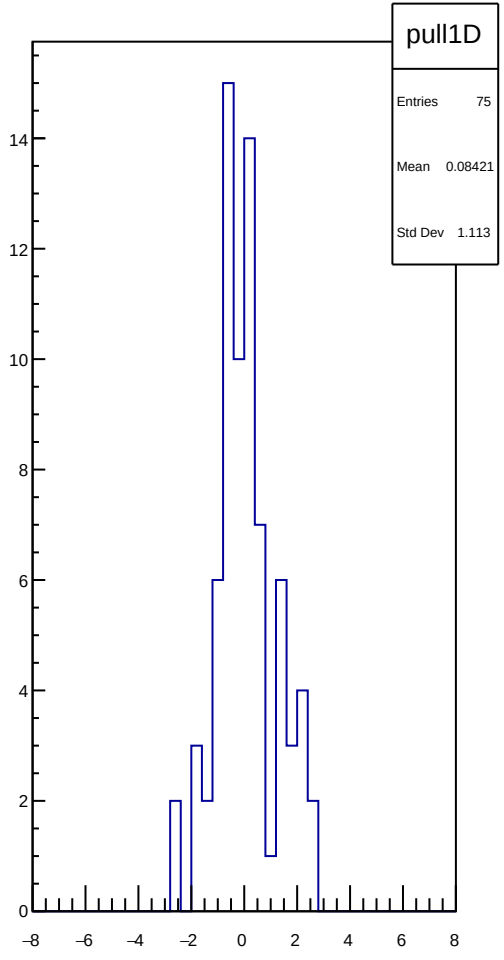

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.078e+04 / 74
p0 17.69 ± 0.0149
30
25
20
15
10

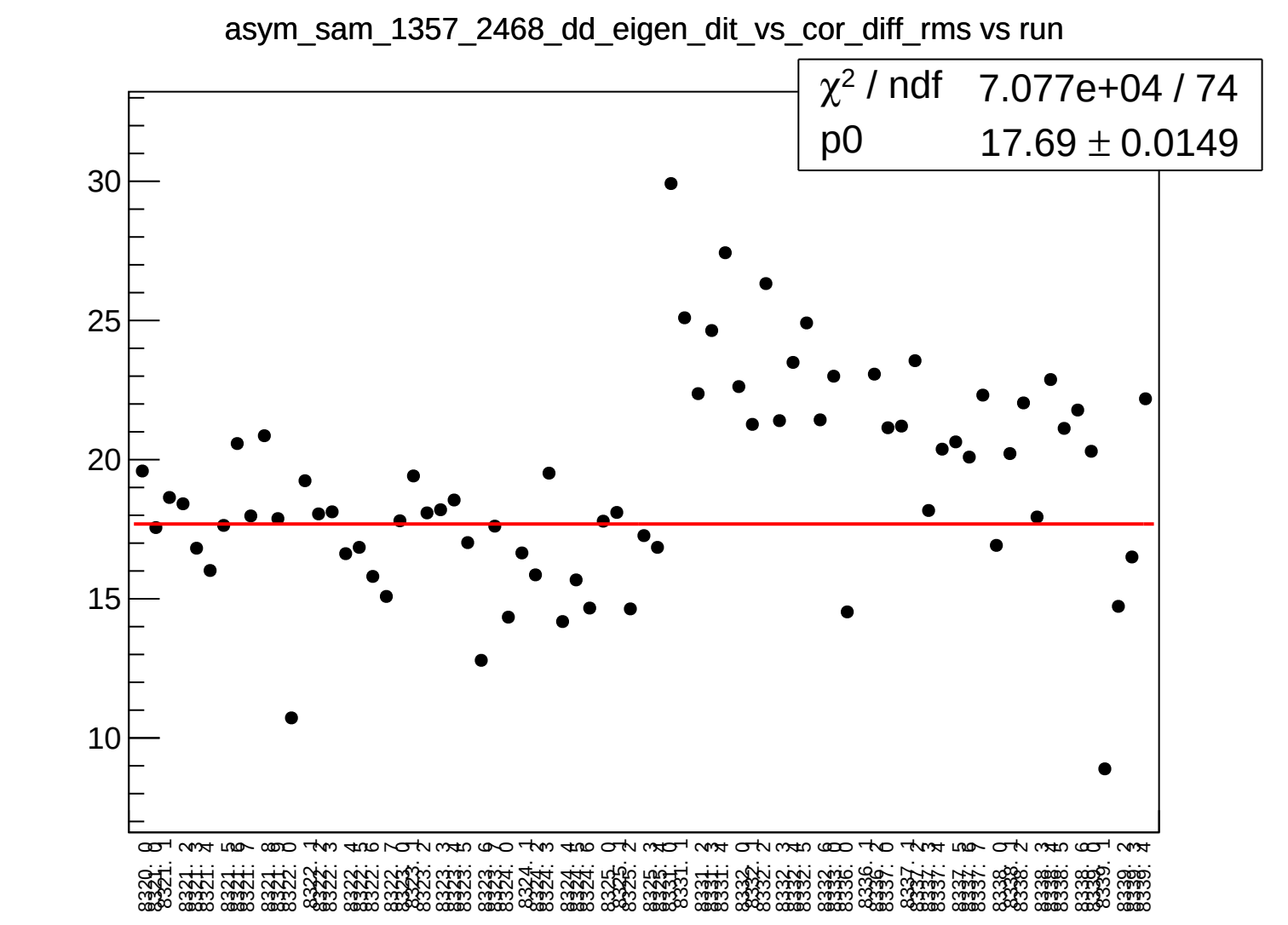

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 91 / 74
p0 1.481e−06 ± 1.773e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
pull
Entries 75
Mean 54.95
Std Dev 34.59
2
1
0
−1
−2
−3

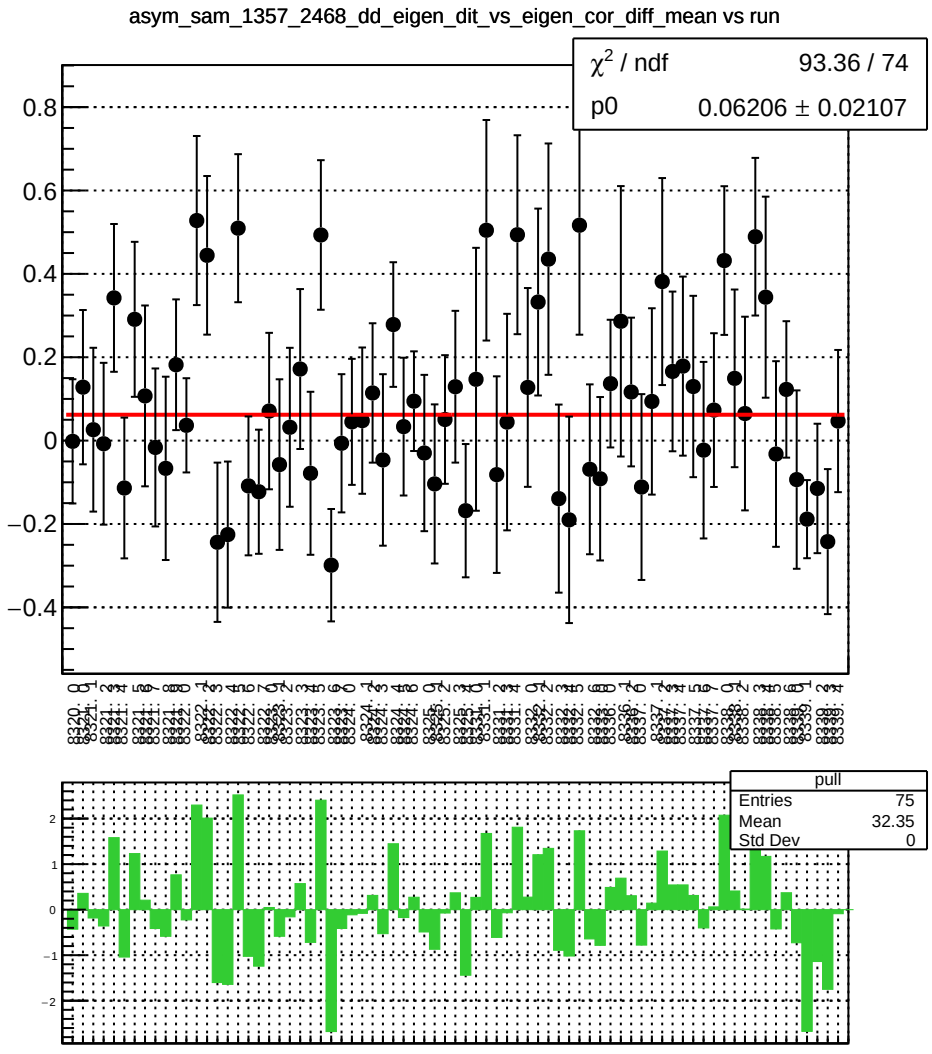

pull1D
Entries 75
Mean −0.01244
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

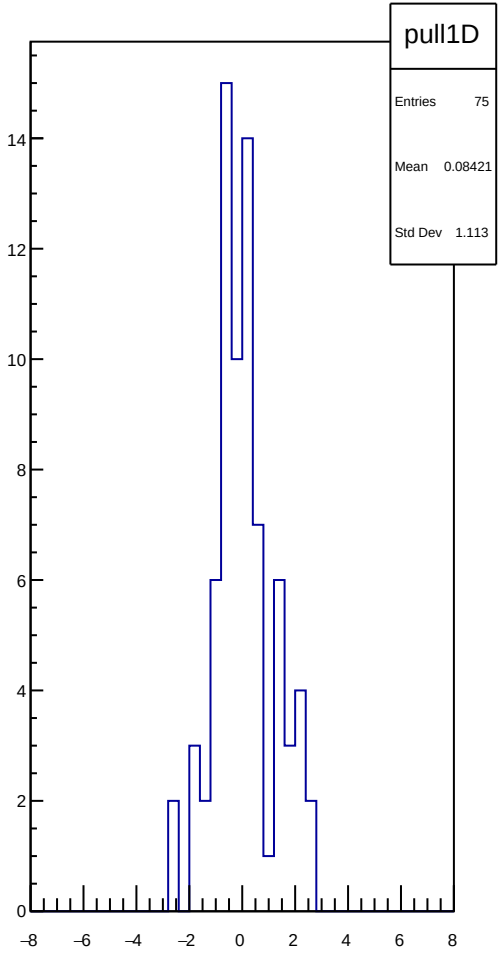

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1.261e+04 / 74
p0 0.001519 ± 1.254e−06
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014
0.0013

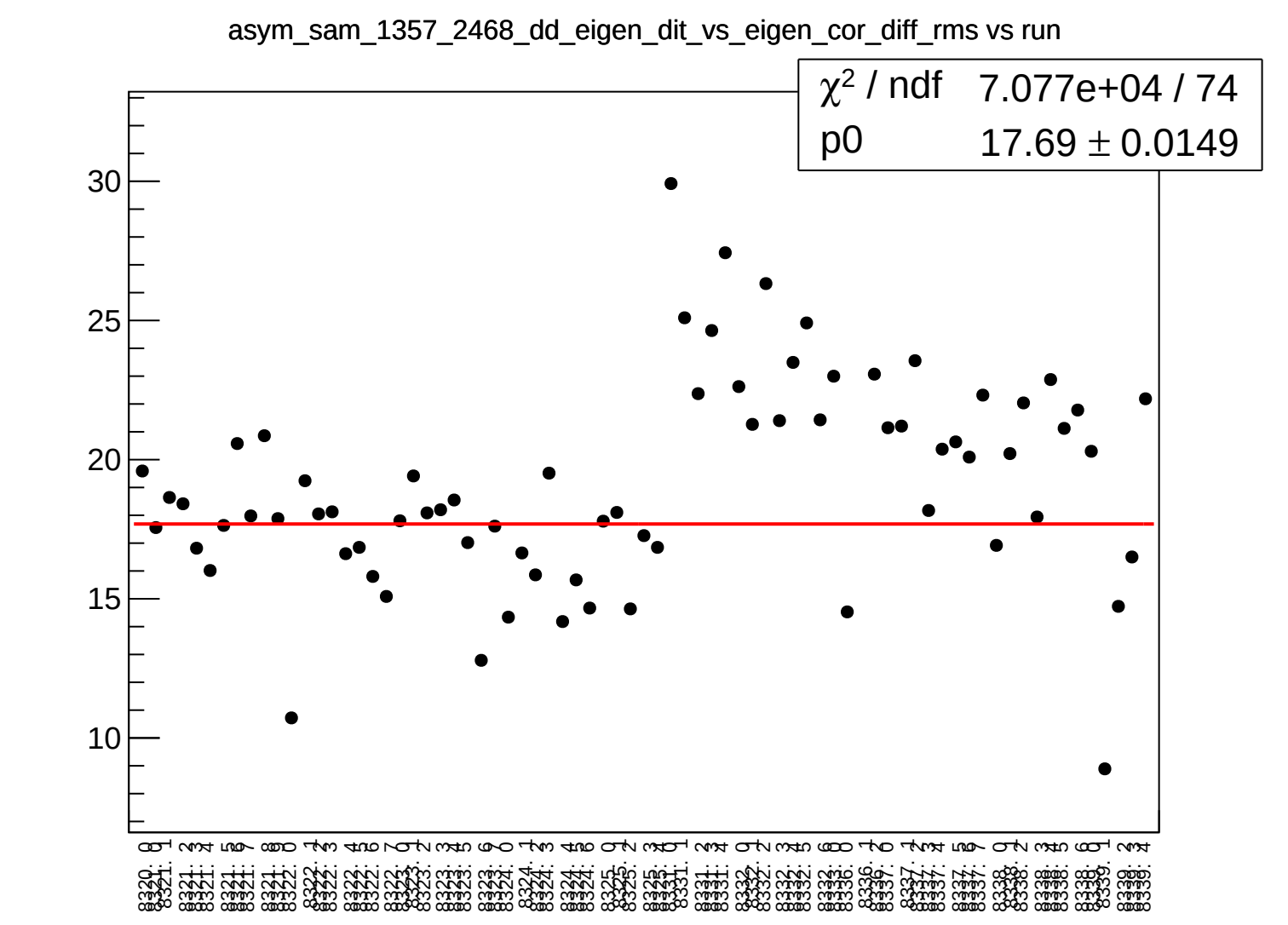

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 93.36 / 74
p0 0.06206 ± 0.02107
pull
Entries 75
Mean 32.35
Std Dev 0

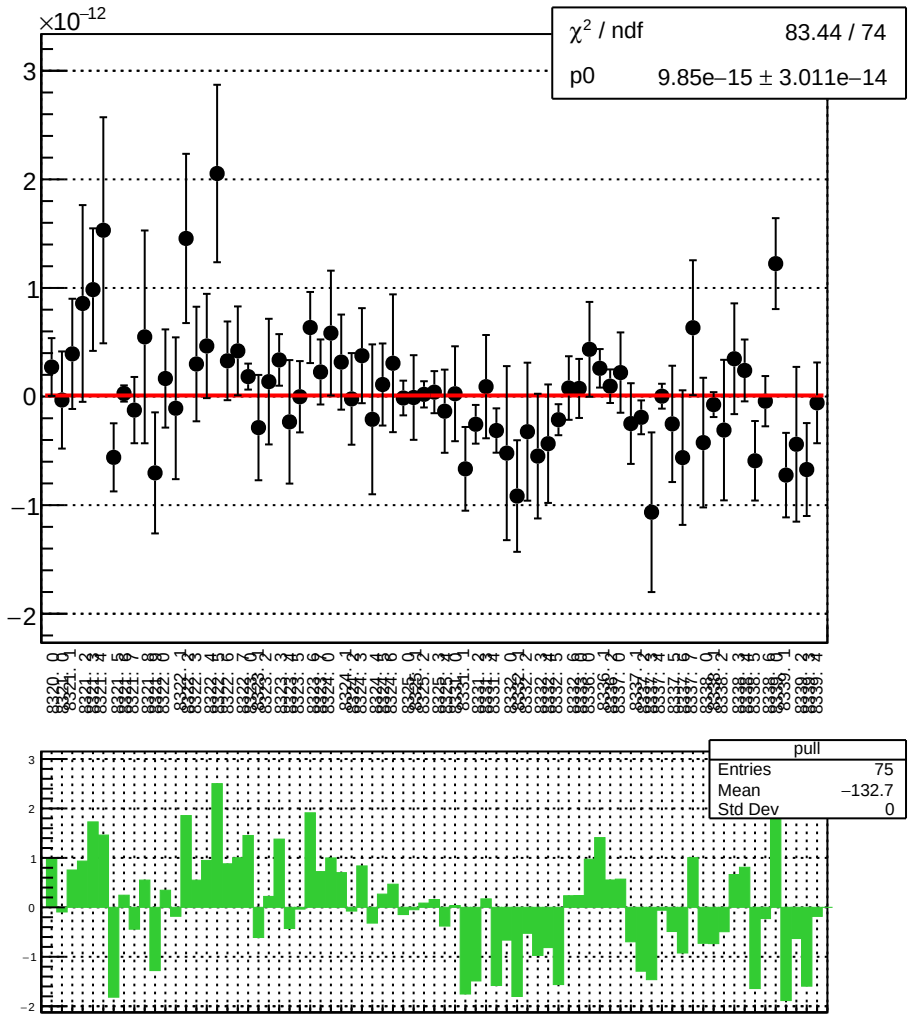

pull1D
Entries 75
Mean 0.08421
Std Dev 1.113

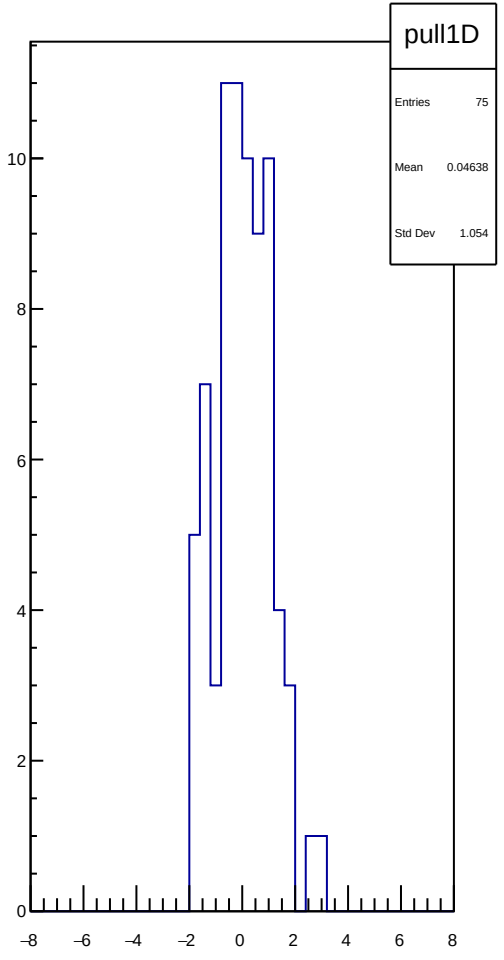

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.077e+04 / 74
p0 17.69 ± 0.0149
30
25
20
15
10

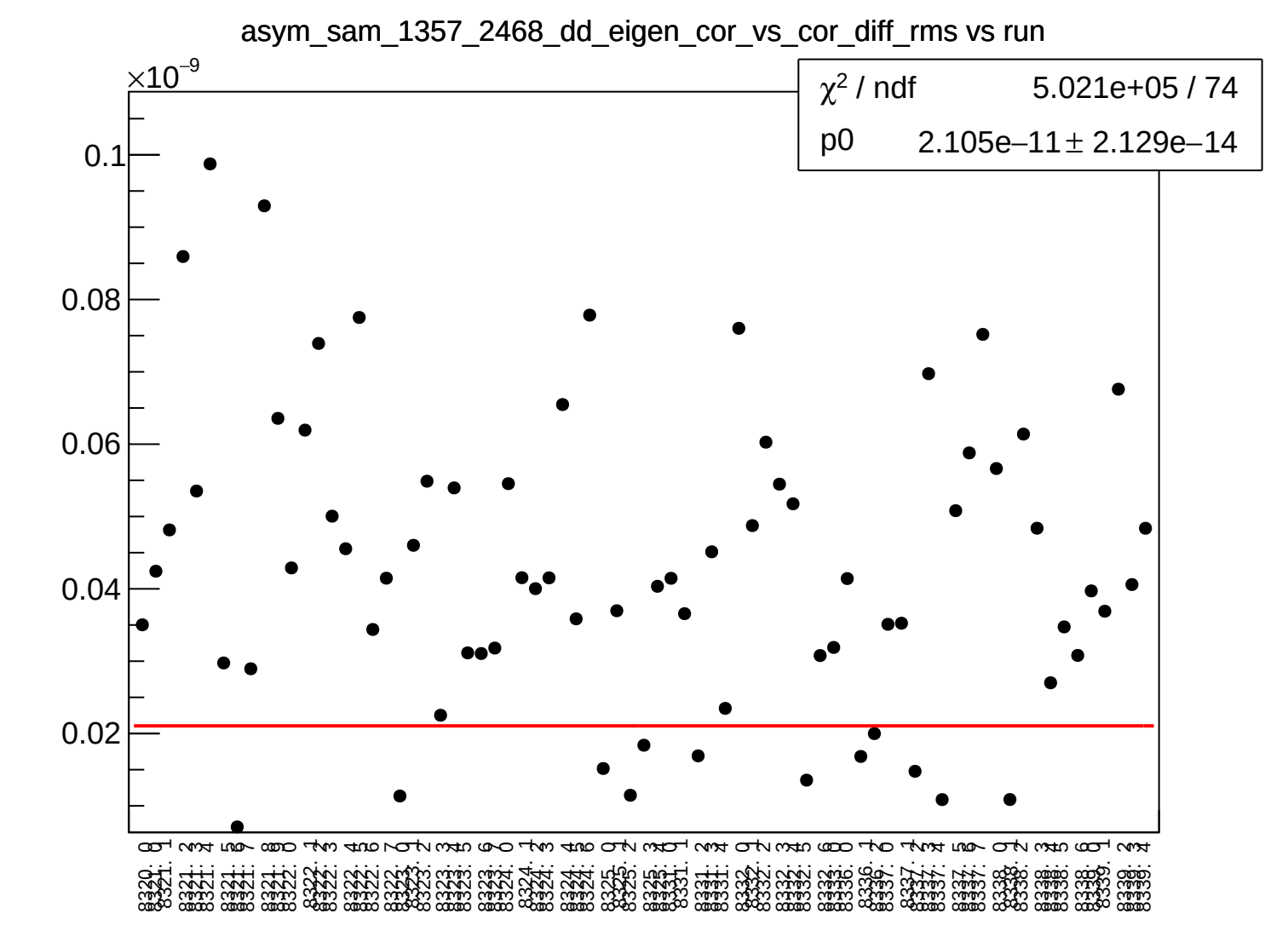

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 93.36 / 74
p0 0.06206 ± 0.02107
pull
Entries 75
Mean 32.35
Std Dev 0

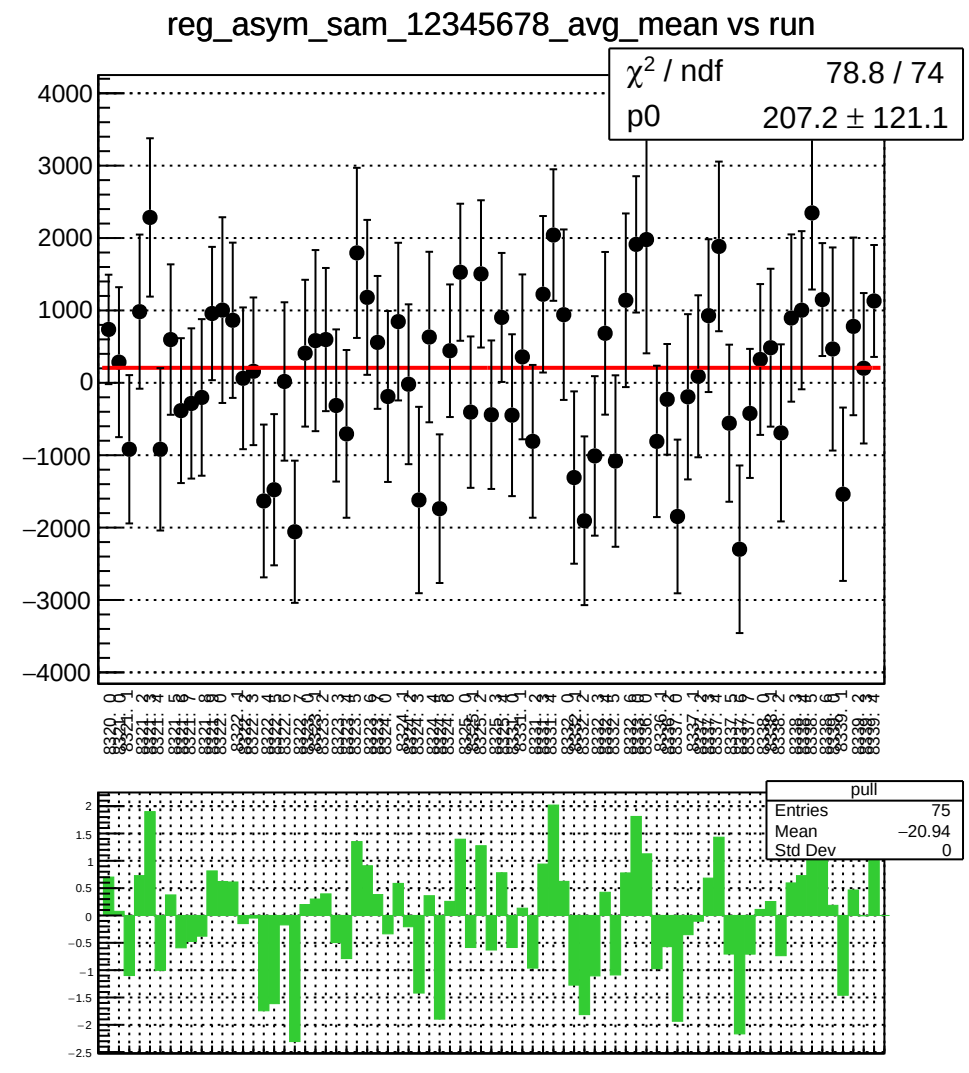

pull1D
Entries 75
Mean 0.08421
Std Dev 1.113

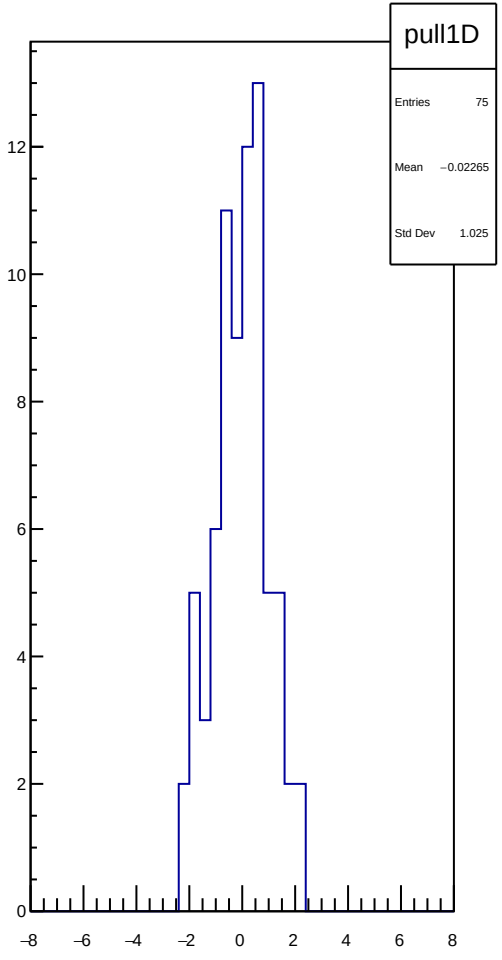

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.077e+04 / 74
p0 17.69 ± 0.0149
30
25
20
15
10

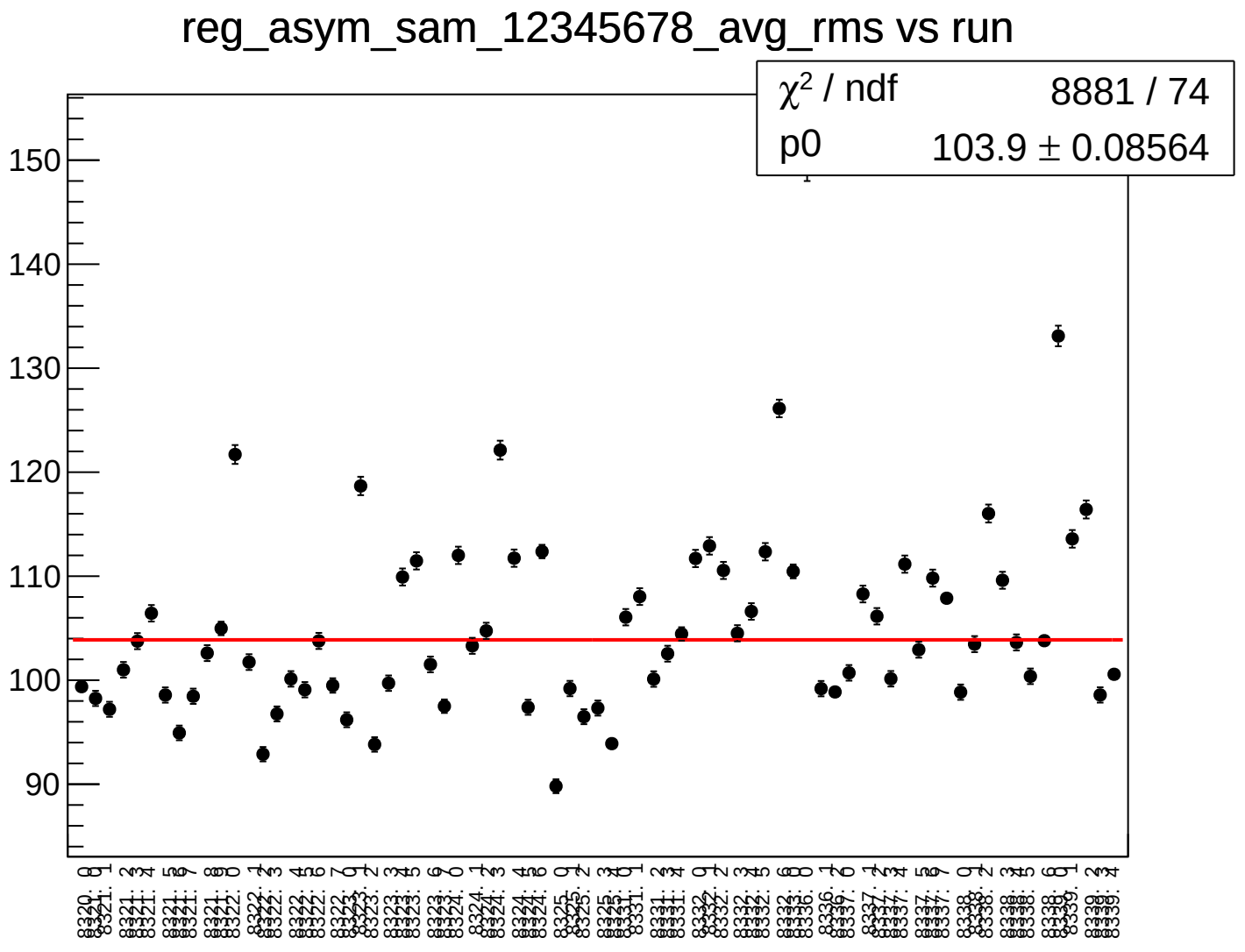

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 83.44 / 74
p0 9.85e−15 ± 3.011e−14
pull
Entries 75
Mean −132.7
Std Dev 0

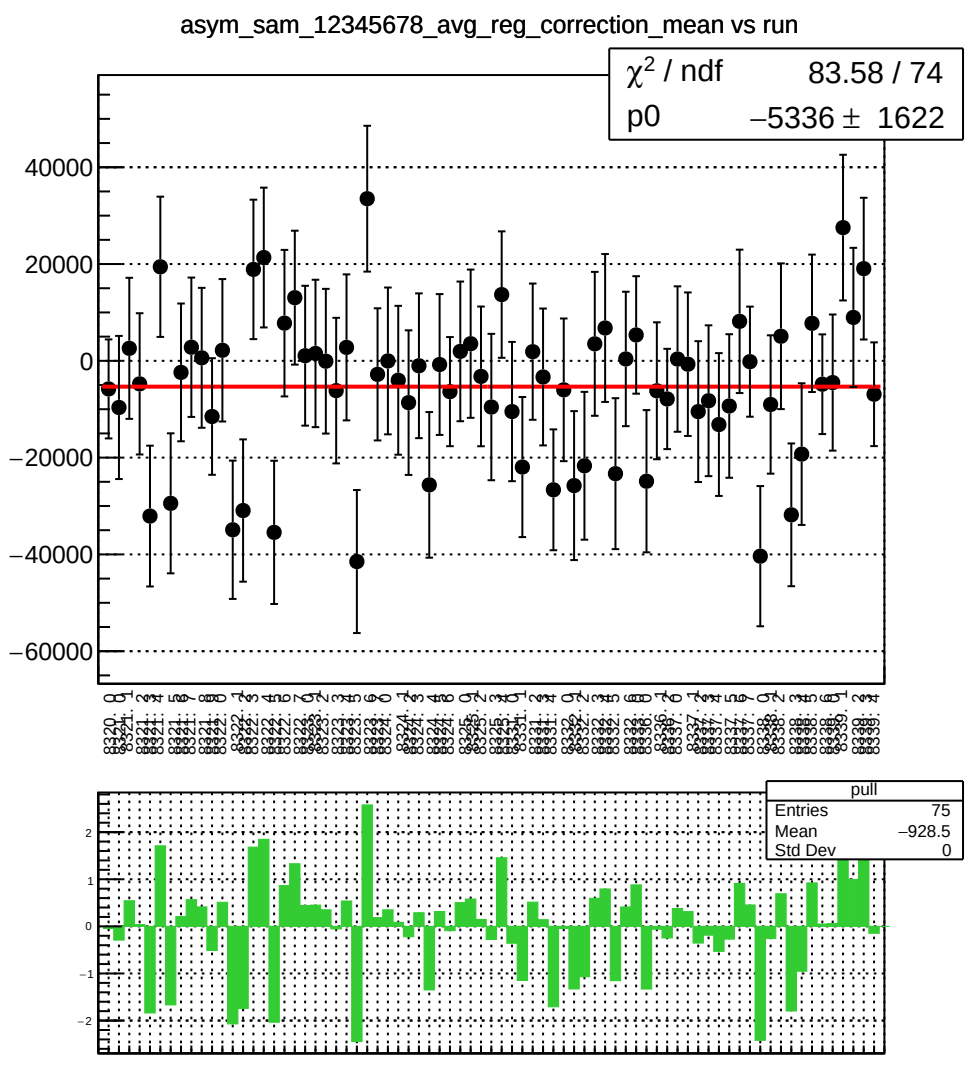

pull1D
Entries 75
Mean 0.04638
Std Dev 1.054

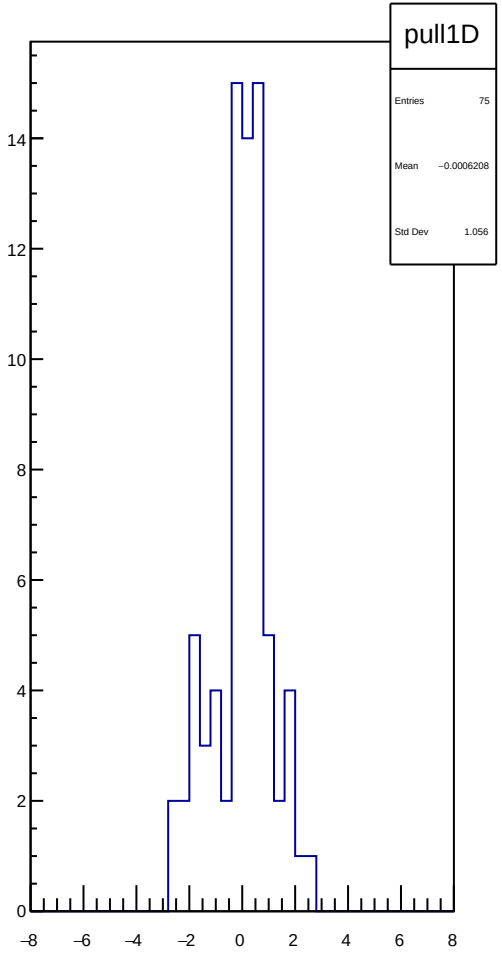

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.021e+05 / 74
p0 2.105e−11 ± 2.129e−14
0.1
0.08
0.06
0.04
0.02

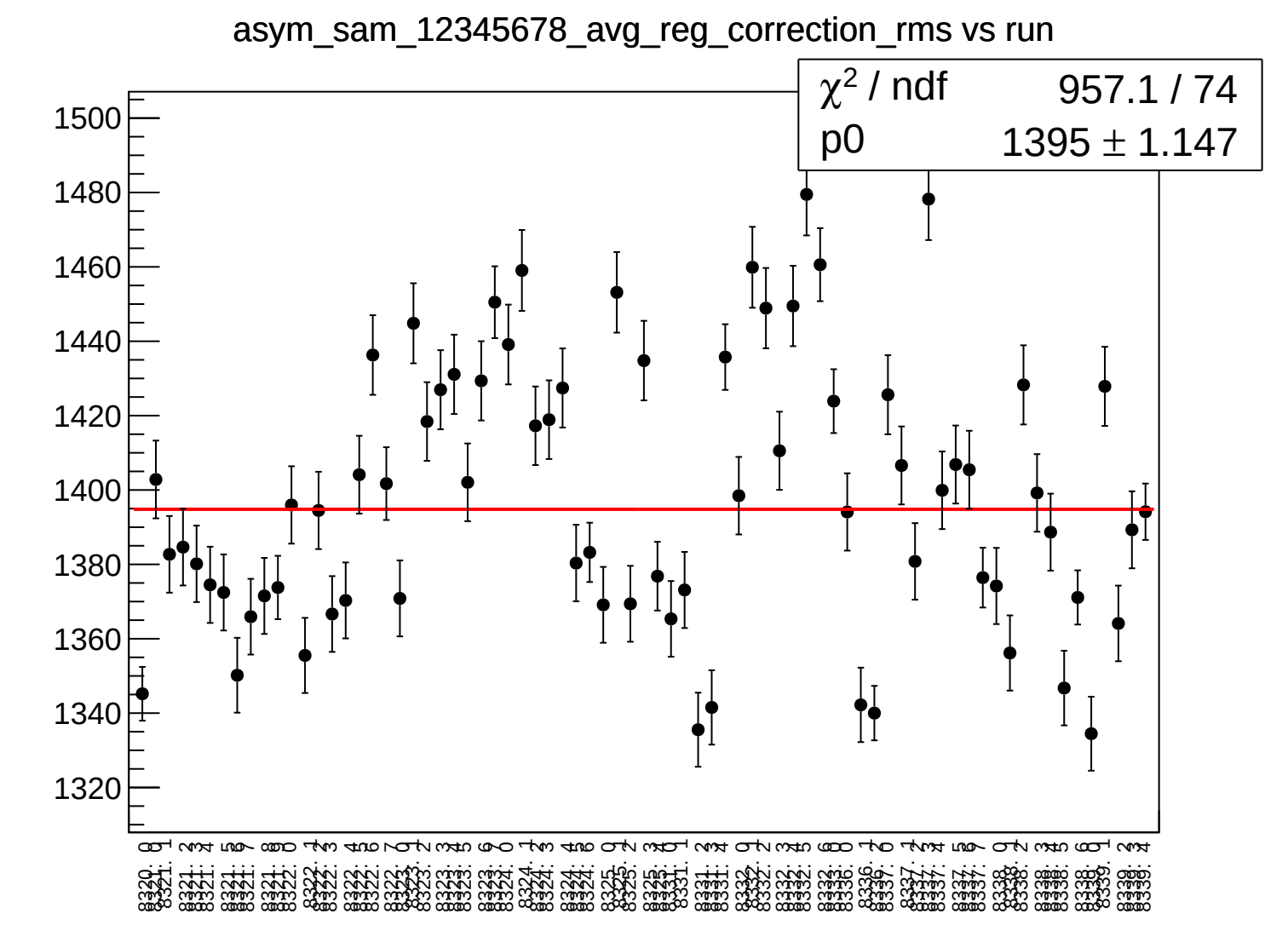

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 78.8 / 74
p0 207.2 ± 121.1
pull
Entries 75
Mean −20.94
Std Dev 0

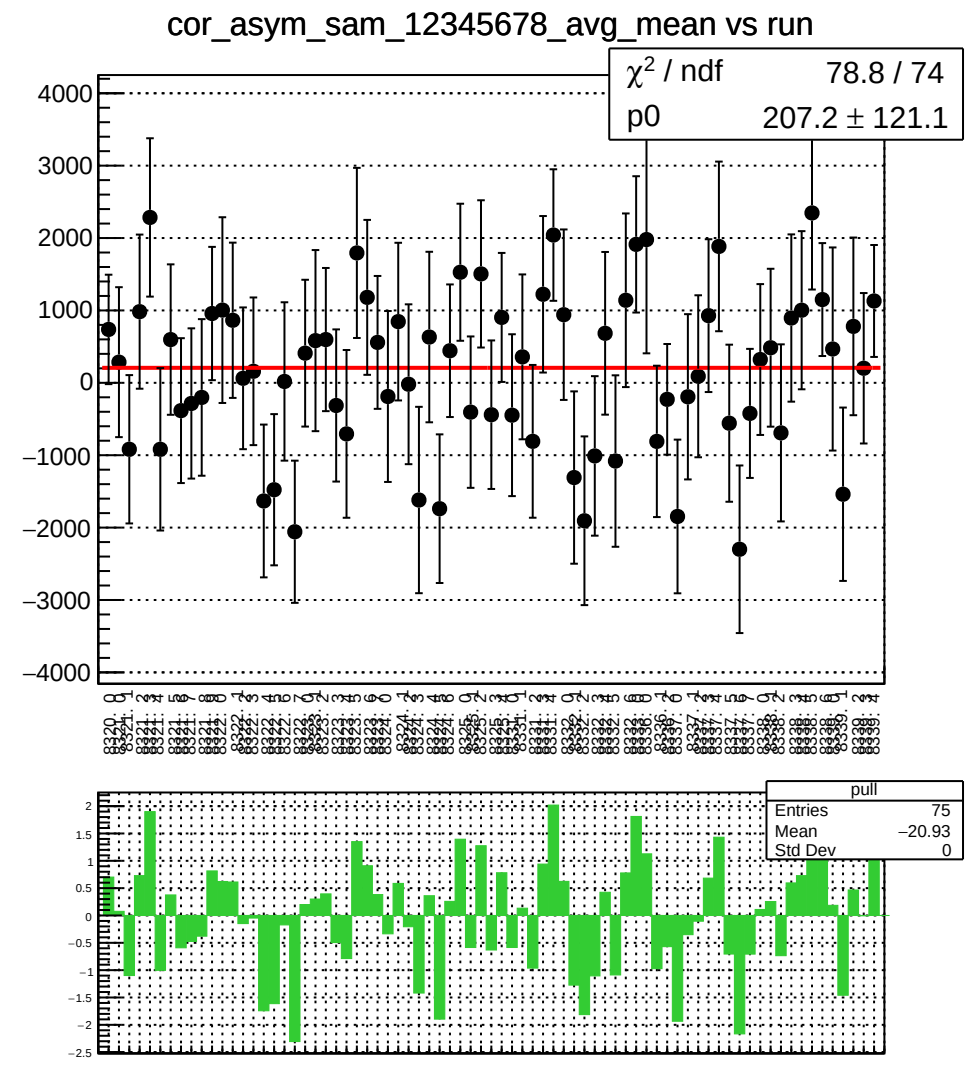

pull1D
Entries 75
Mean −0.02265
Std Dev 1.025

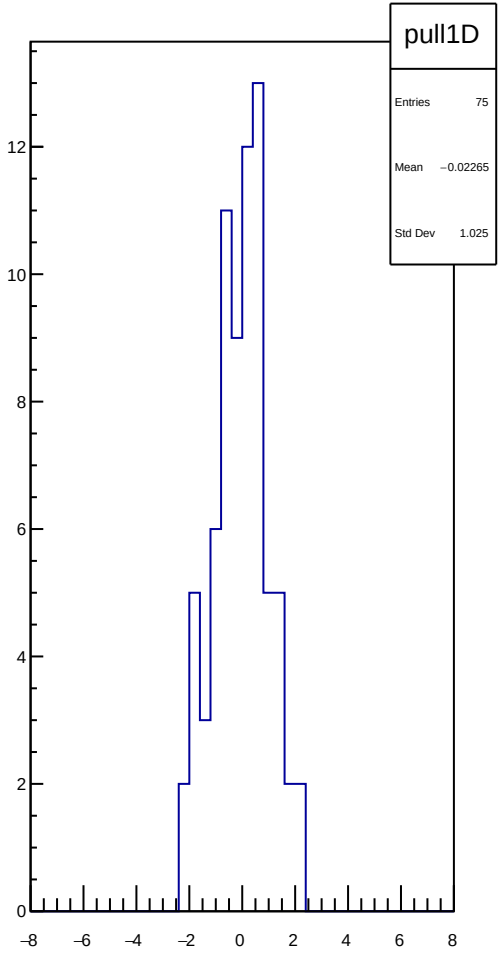

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 8881 / 74
p0 103.9 ± 0.08564
150
140
130
120
110
100
90

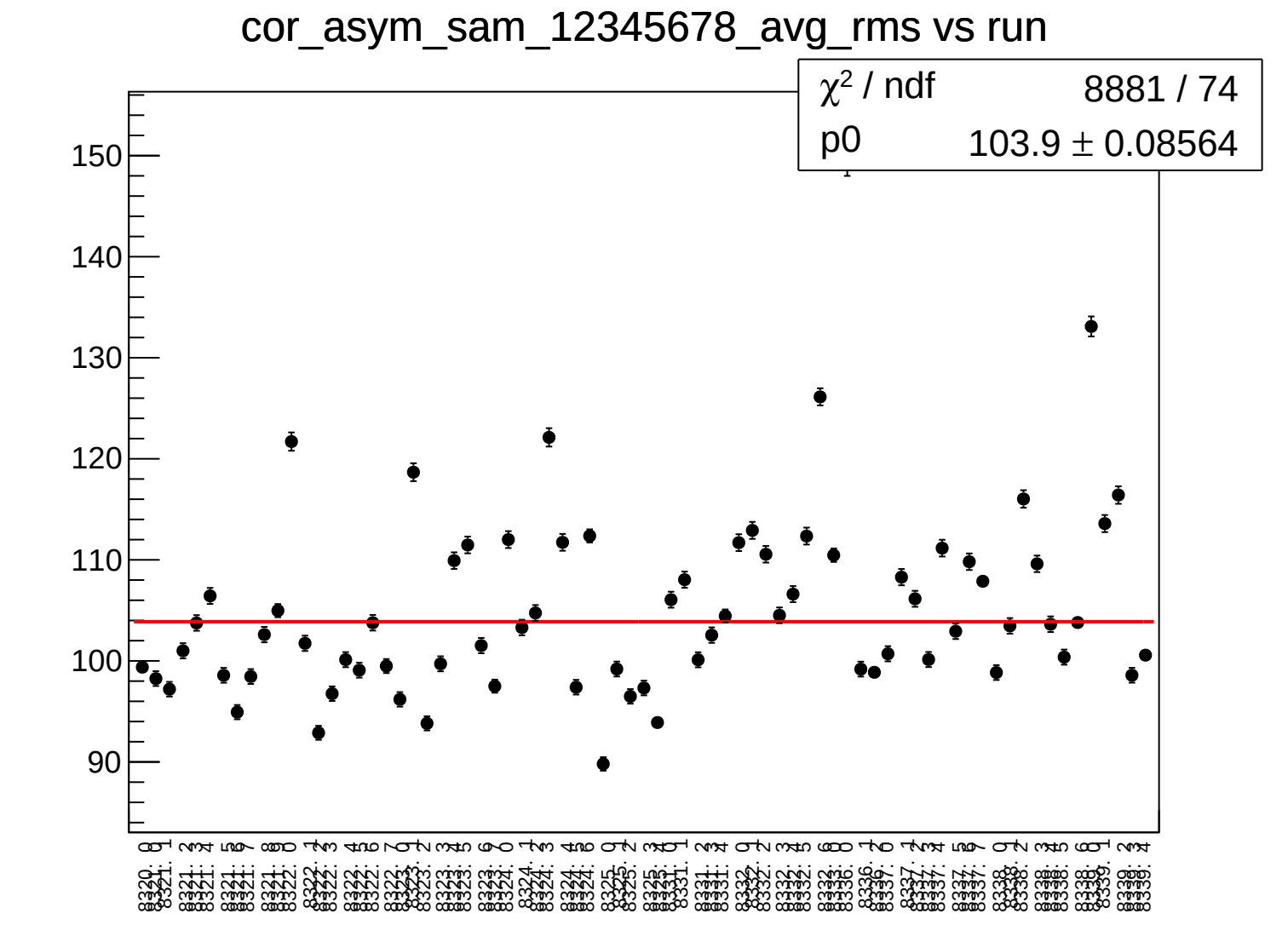

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 83.58 / 74
p0 −5336 ± 1622
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −928.5
Std Dev 0
2
1
0
−1
−2

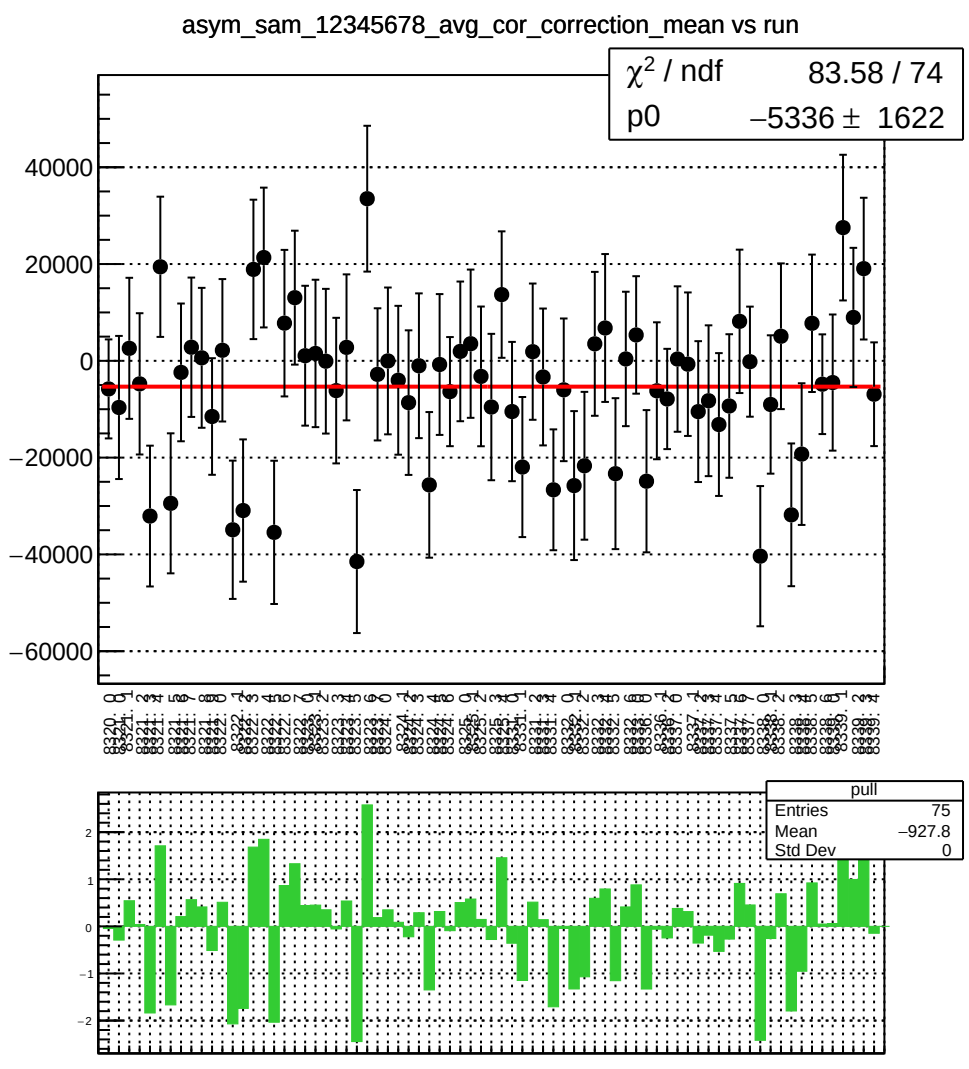

pull1D
Entries 75
Mean −0.0006208
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

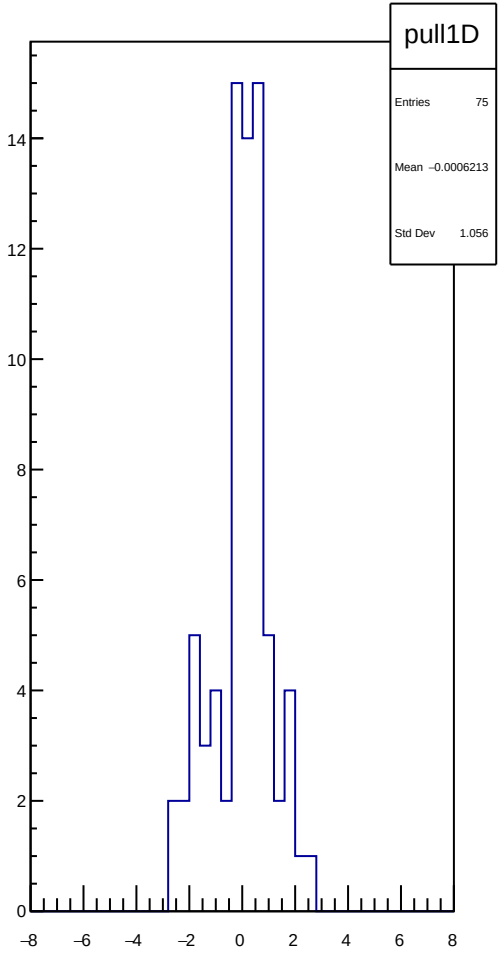

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 957.1 / 74
p0 1395 ± 1.147
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

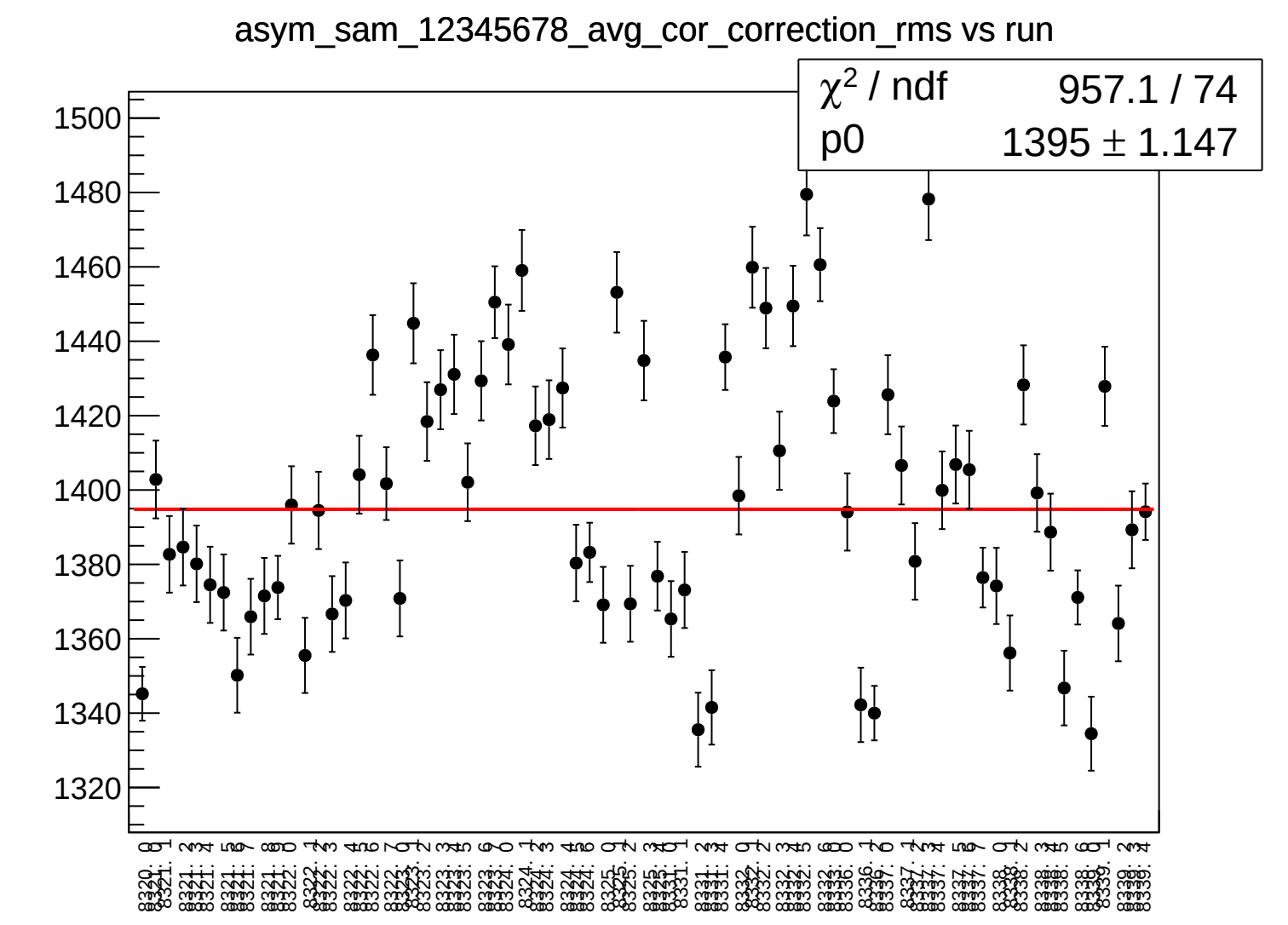

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 78.8 / 74
p0 207.2 ± 121.1
pull
Entries 75
Mean −20.93
Std Dev 0

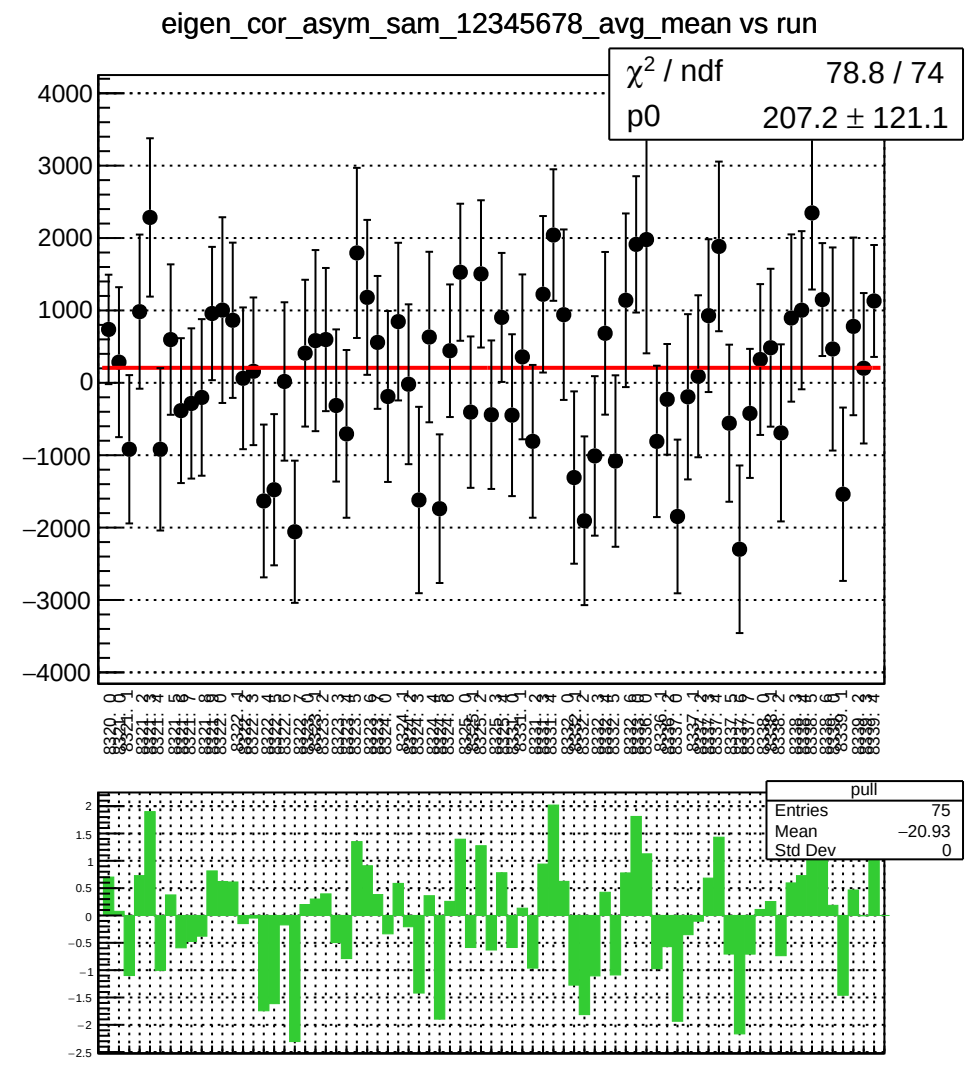

pull1D
Entries 75
Mean −0.02265
Std Dev 1.025

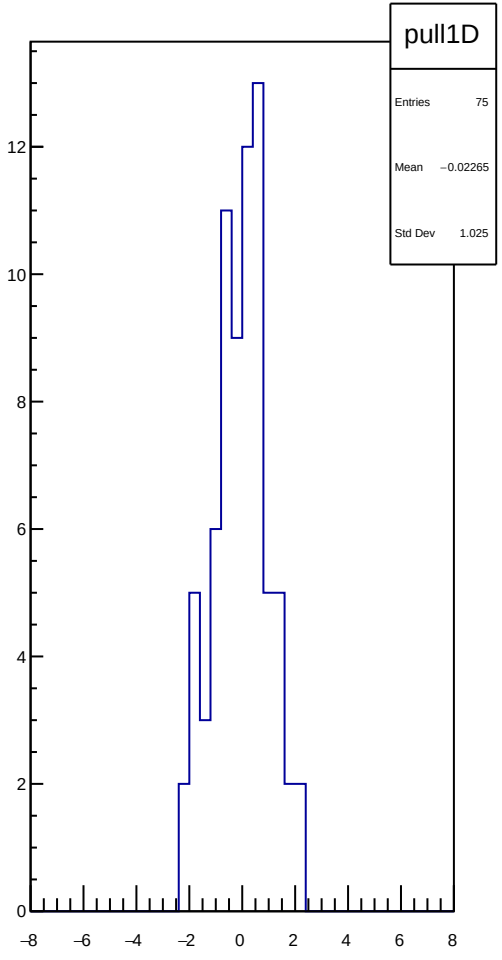

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 8881 / 74
p0 103.9 ± 0.08564
150
140
130
120
110
100
90

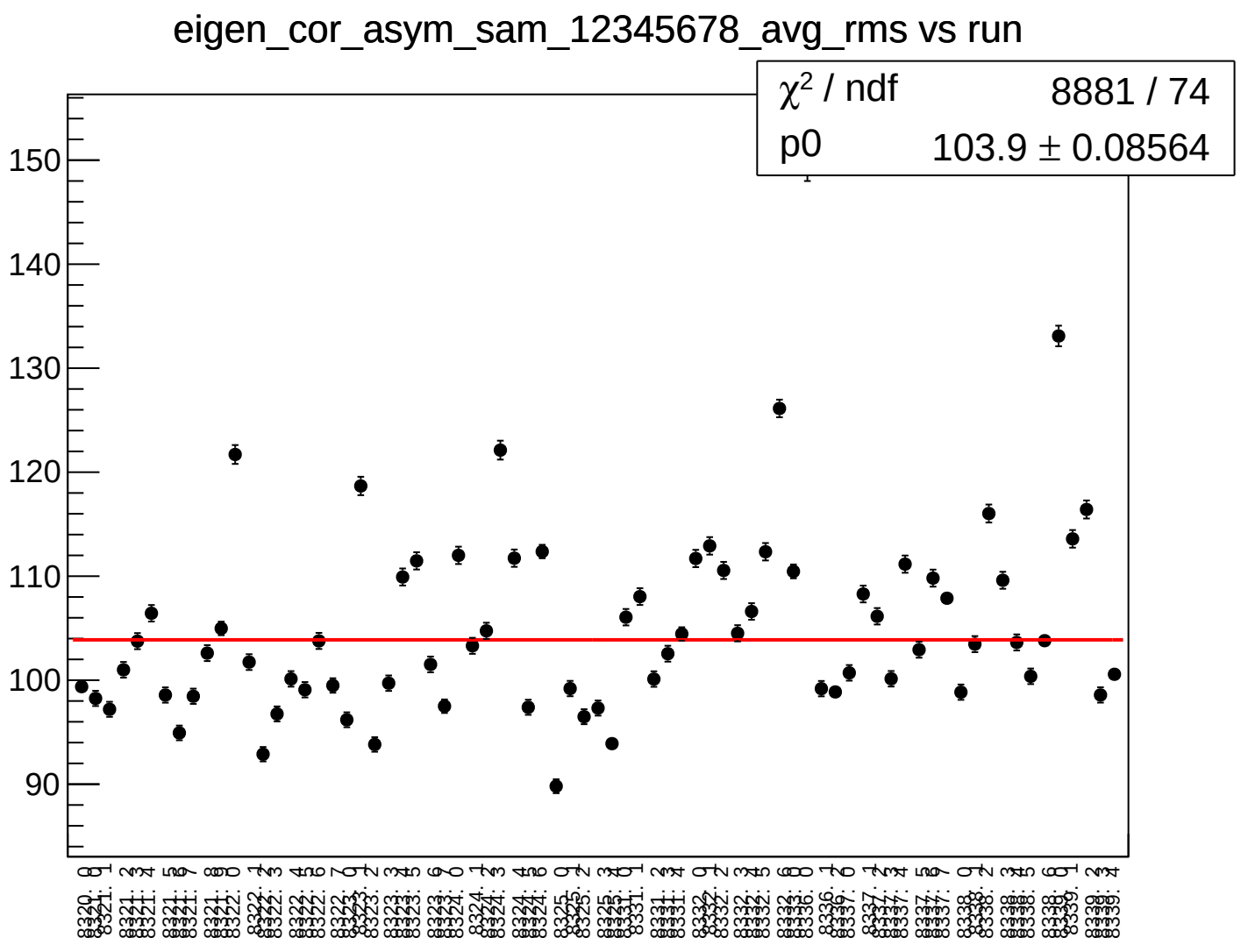

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 83.58 / 74
p0 −5336 ± 1622
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −927.8
Std Dev 0
2
1
0
−1
−2

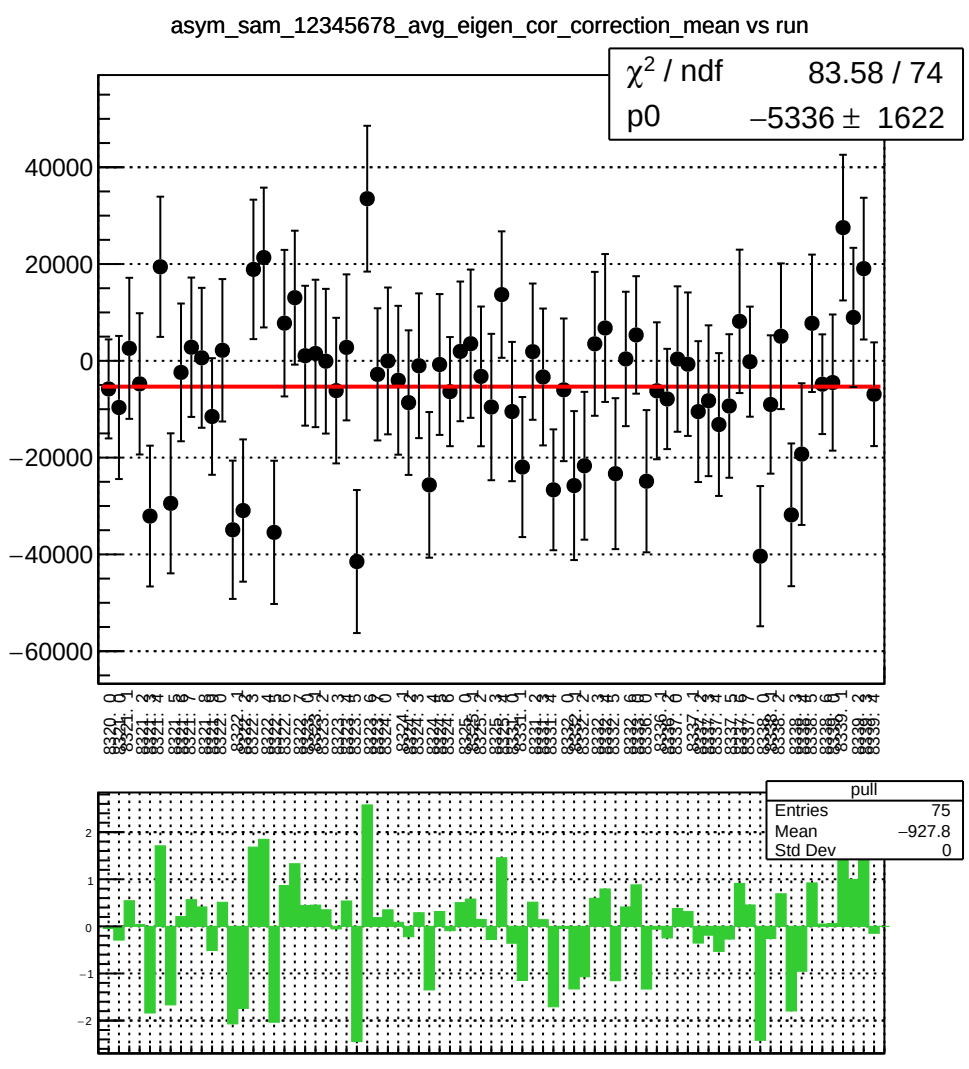

pull1D
Entries 75
Mean −0.0006213
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

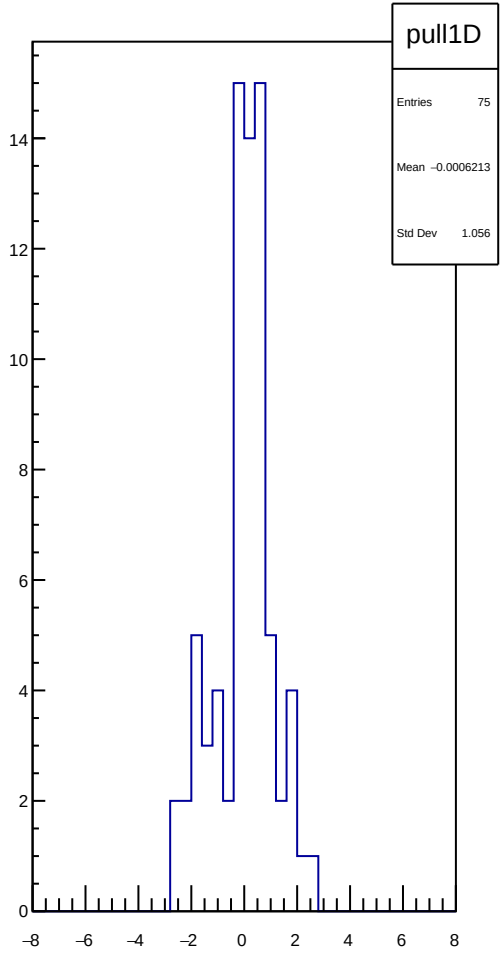

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 957.1 / 74
p0 1395 ± 1.147
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

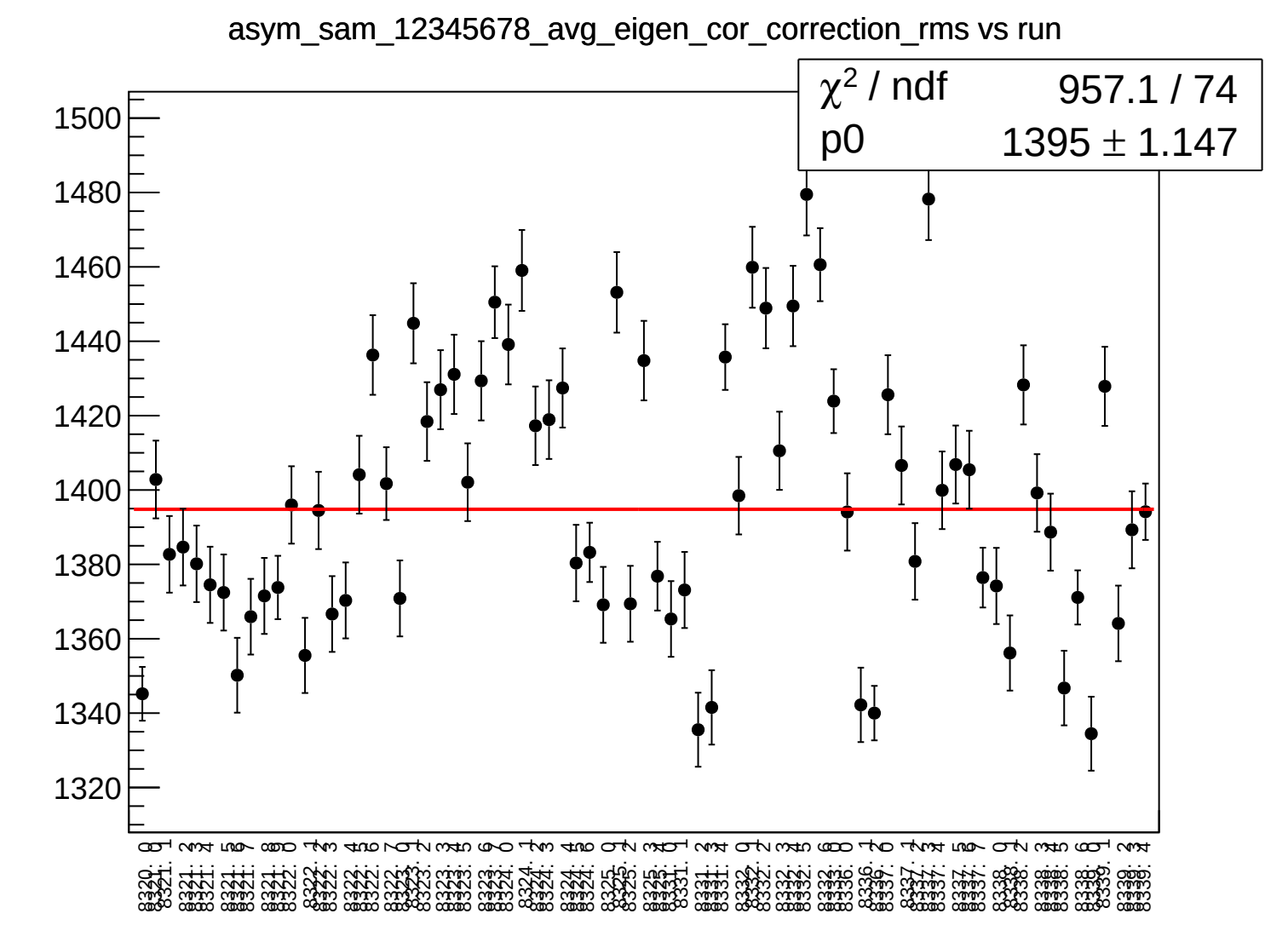

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 78.8 / 74
p0 207.2 ± 121.1
pull
Entries 75
Mean −20.93
Std Dev 0

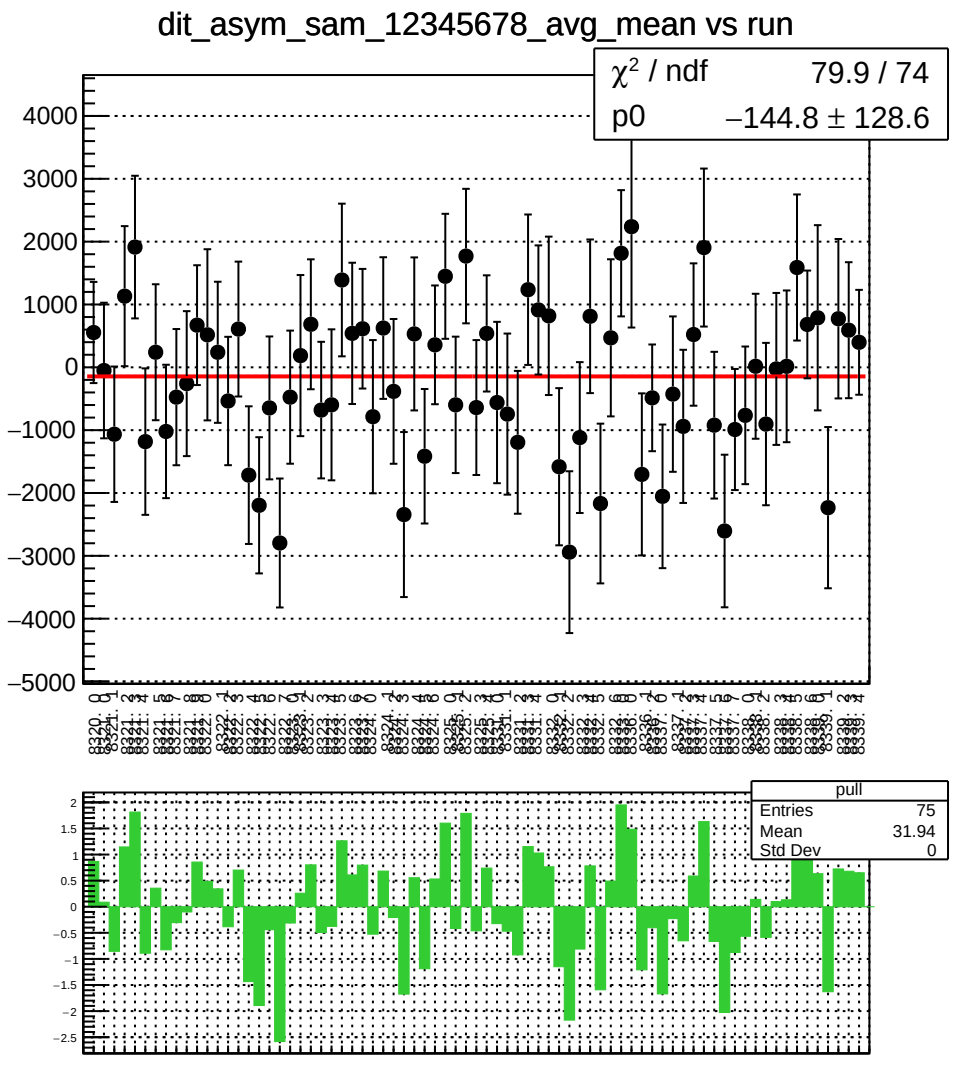

pull1D
Entries 75
Mean −0.02265
Std Dev 1.025

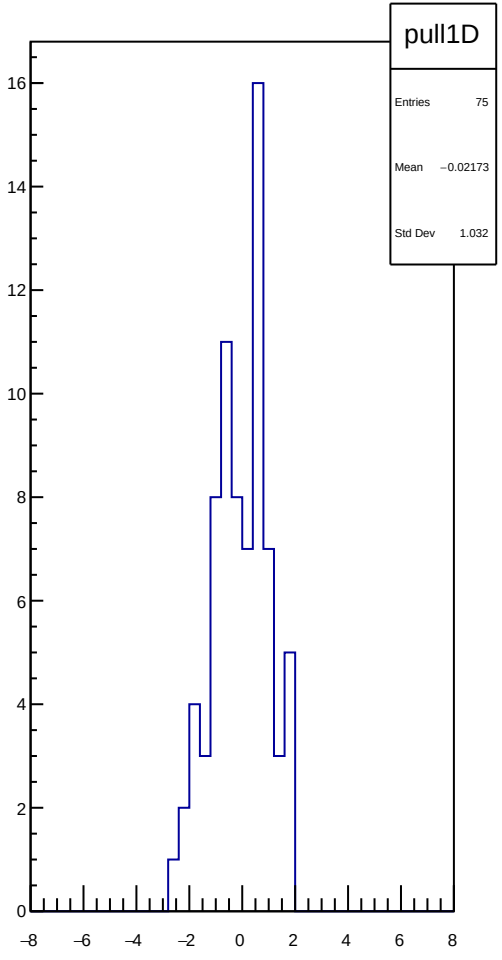

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 8881 / 74
p0 103.9 ± 0.08564
150
140
130
120
110
100
90

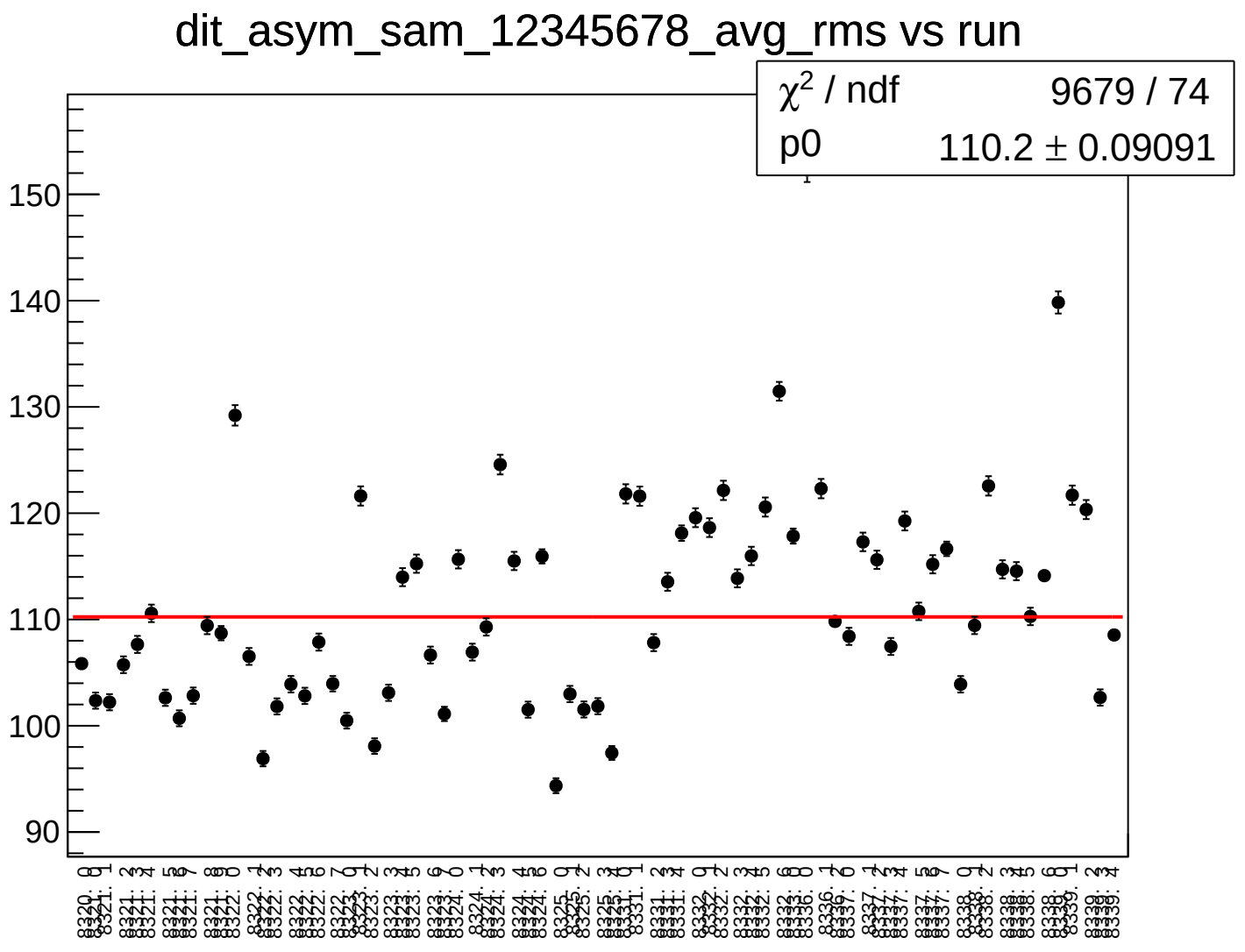

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 83.58 / 74
p0 −5336 ± 1622
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −927.8
Std Dev 0
2
1
0
−1
−2

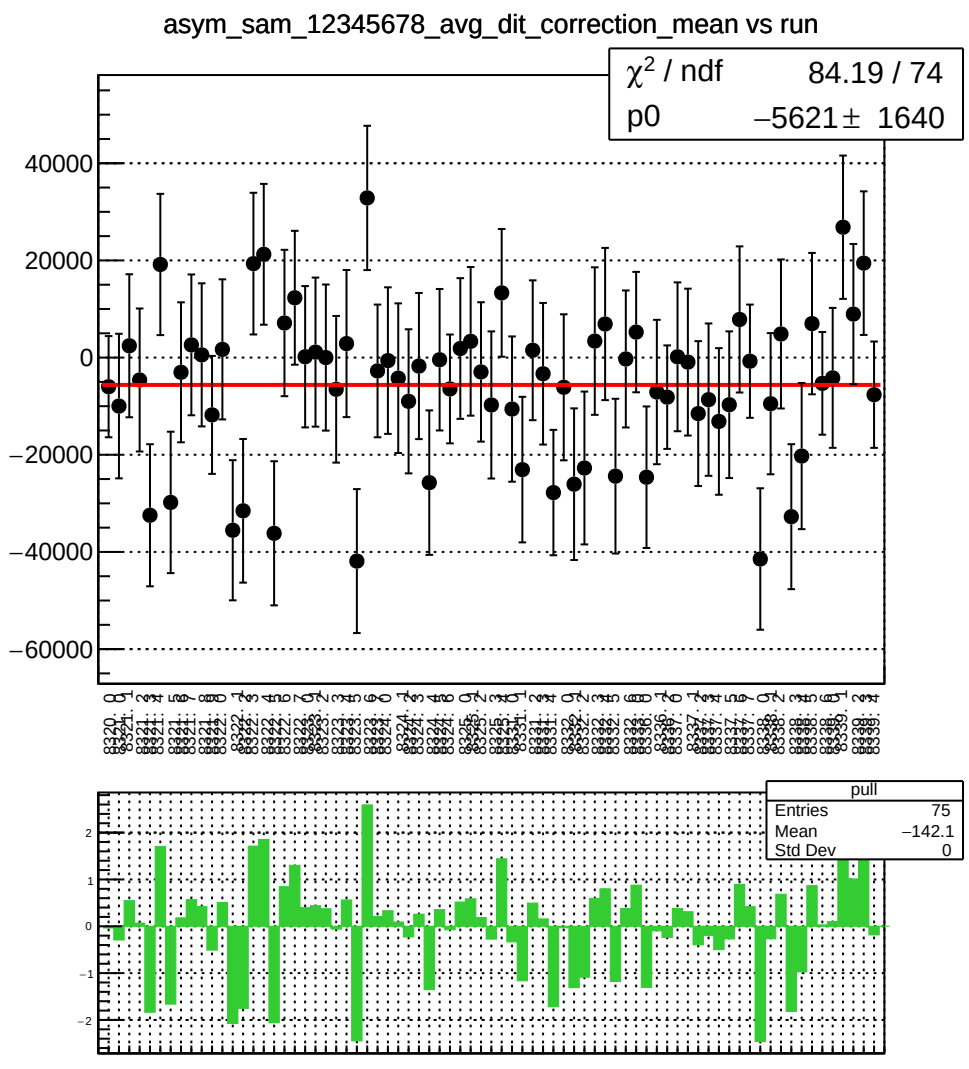

pull1D
Entries 75
Mean −0.0006213
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

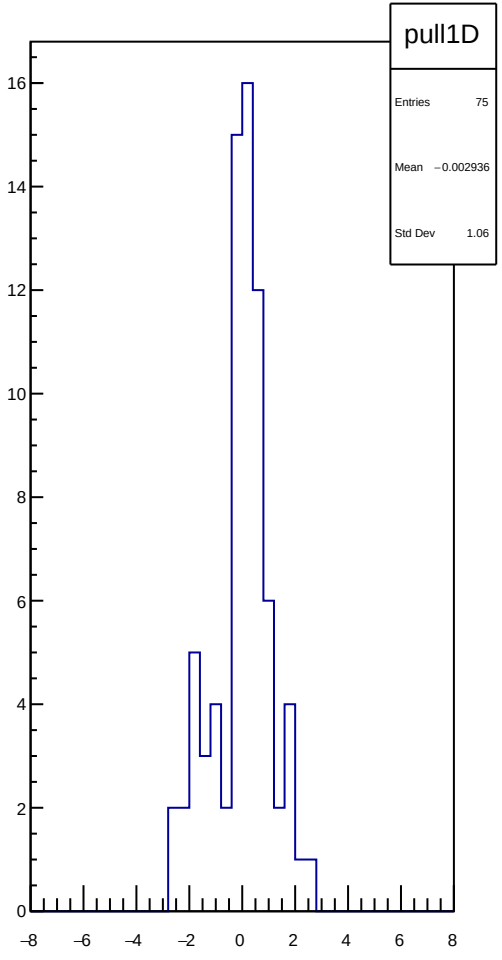

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 957.1 / 74
p0 1395 ± 1.147
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

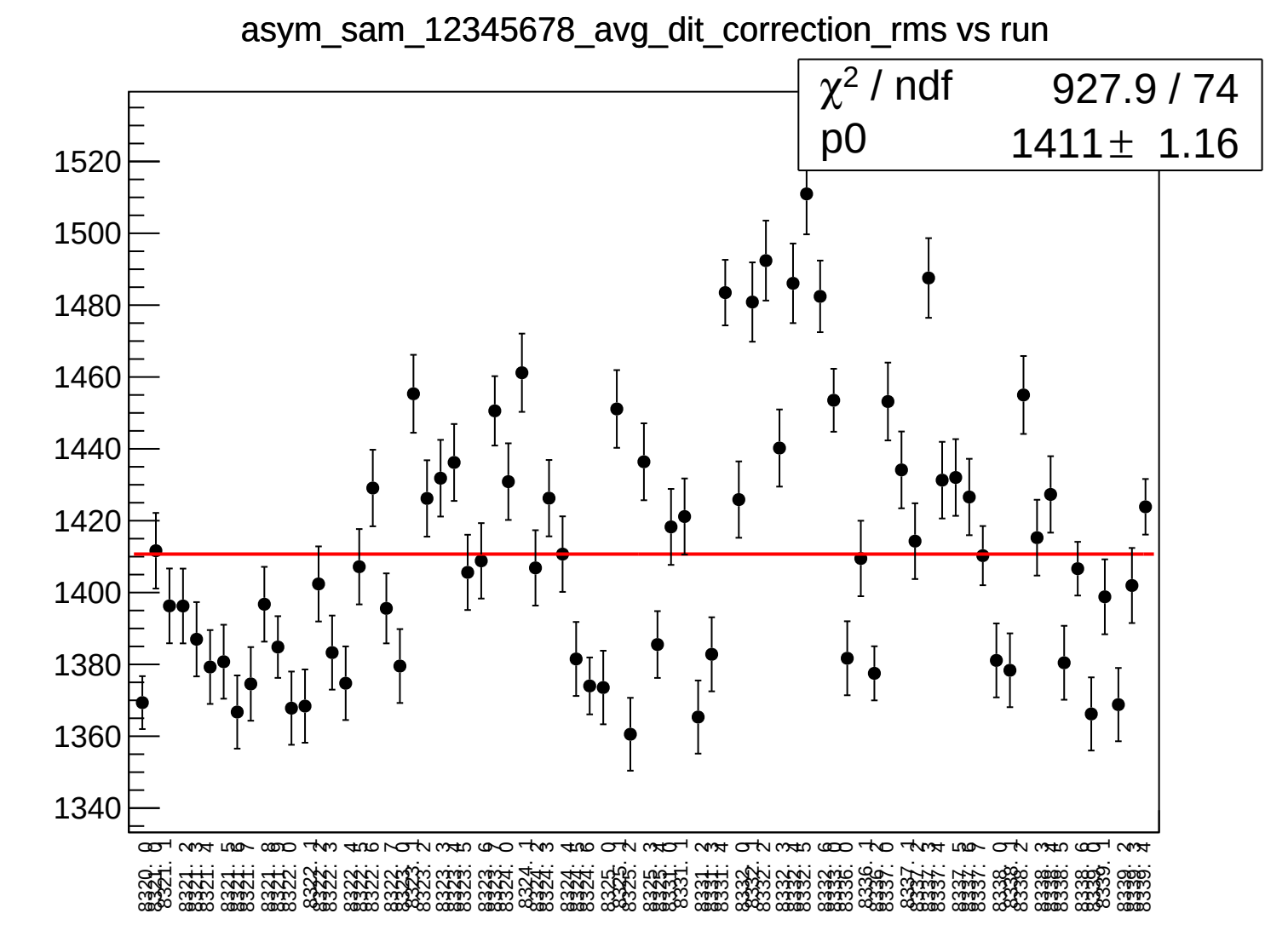

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 79.9 / 74
p0 −144.8 ± 128.6
pull
Entries 75
Mean 31.94
Std Dev 0

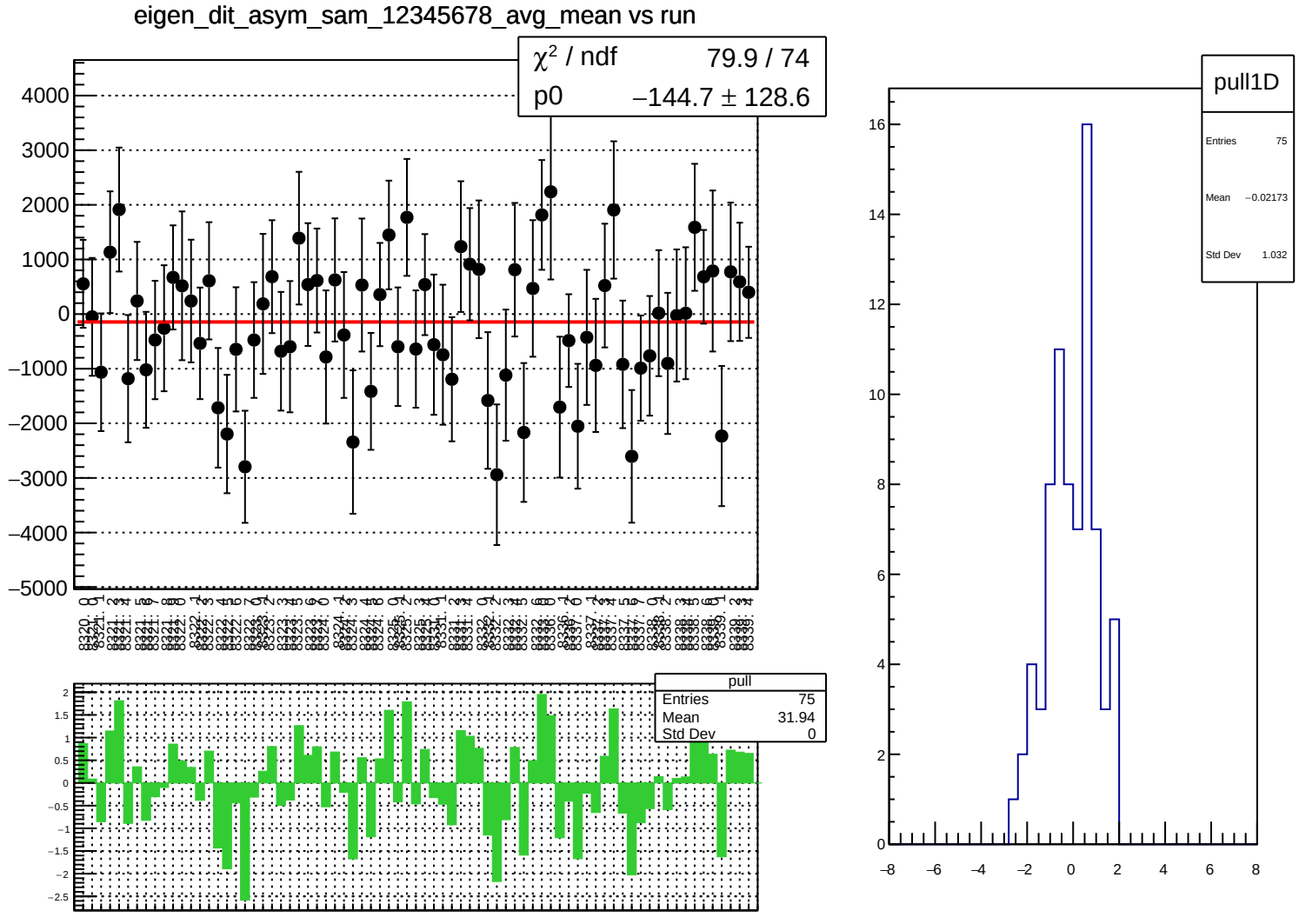

pull1D
Entries 75
Mean −0.02173
Std Dev 1.032

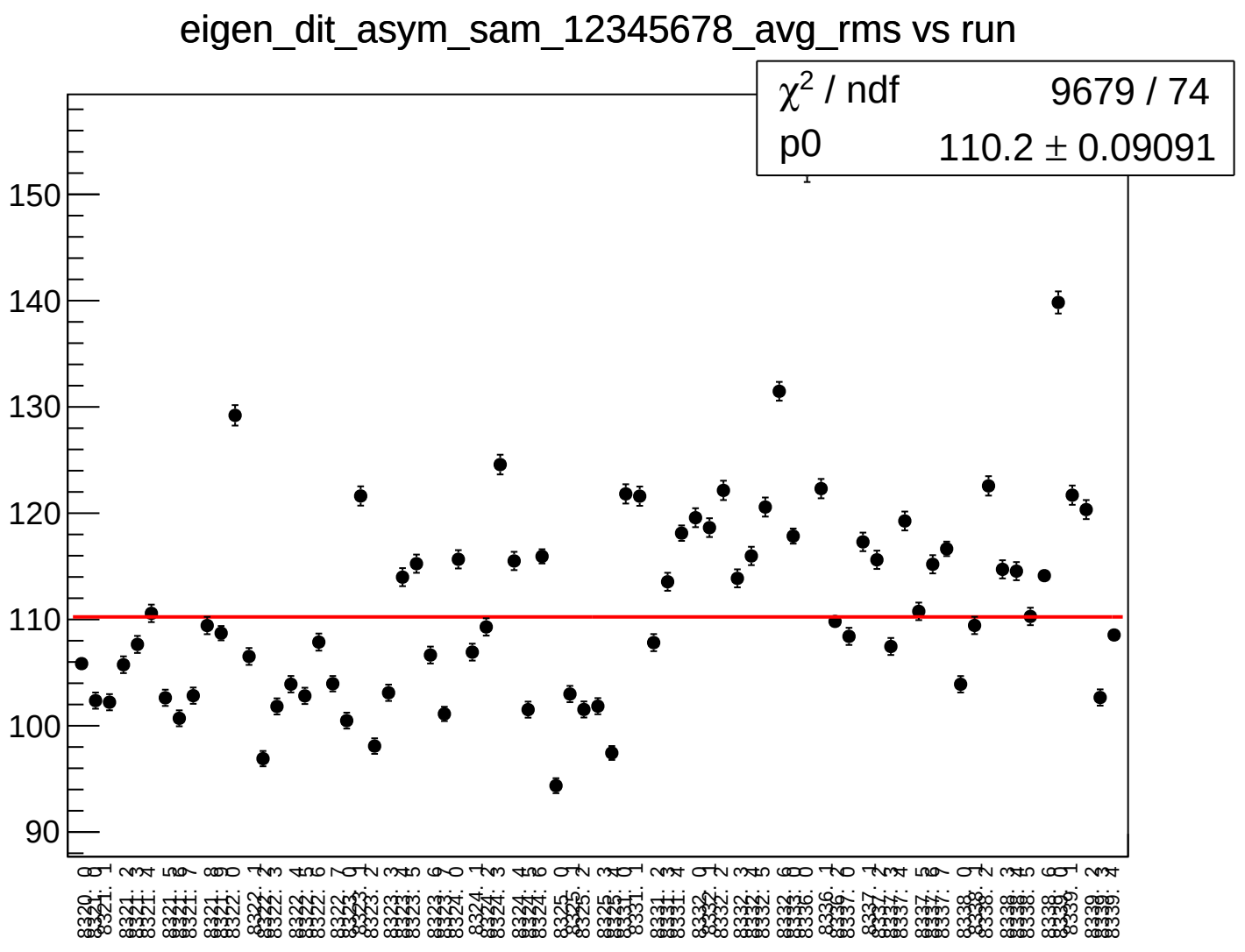

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 9679 / 74
p0 110.2 ± 0.09091
150
140
130
120
110
100
90

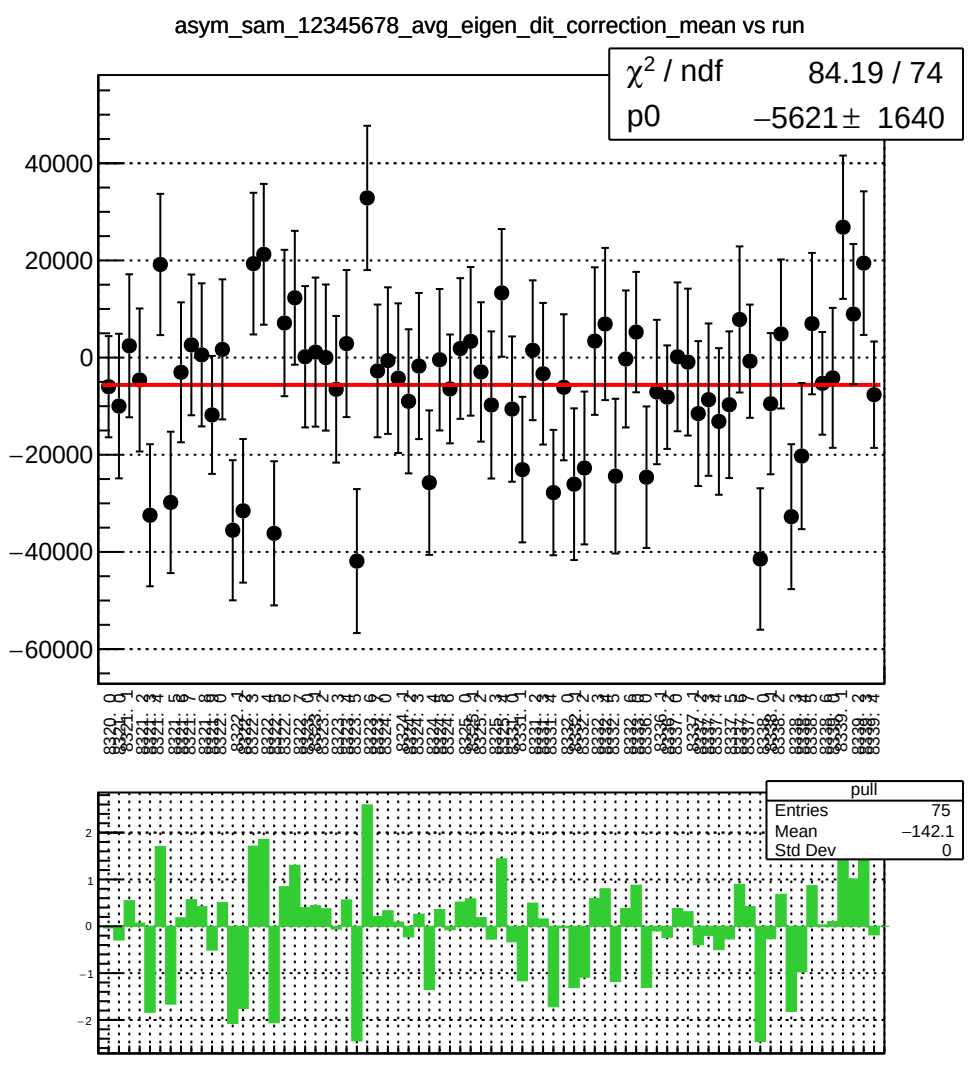

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 84.19 / 74
p0 −5621 ± 1640
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −142.1
Std Dev 0
2
1
0
−1
−2

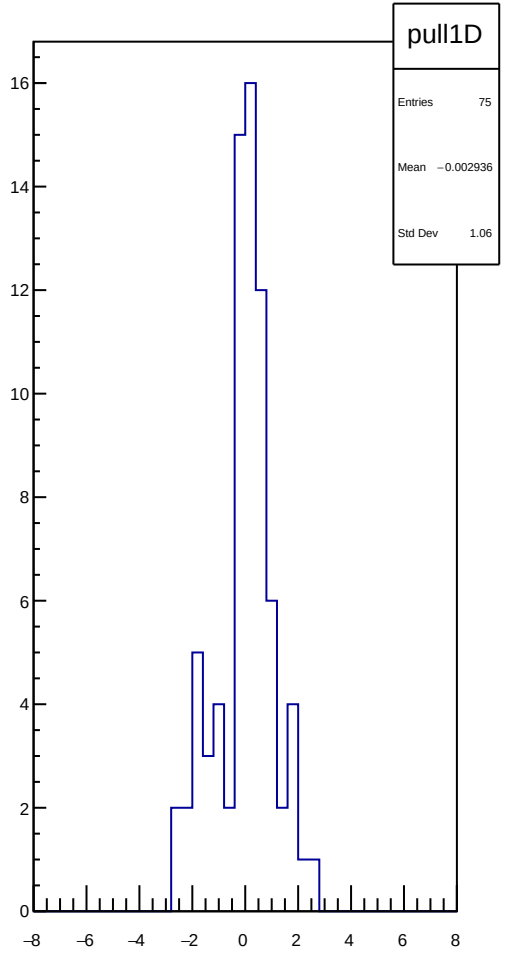

pull1D
Entries 75
Mean −0.002936
Std Dev 1.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

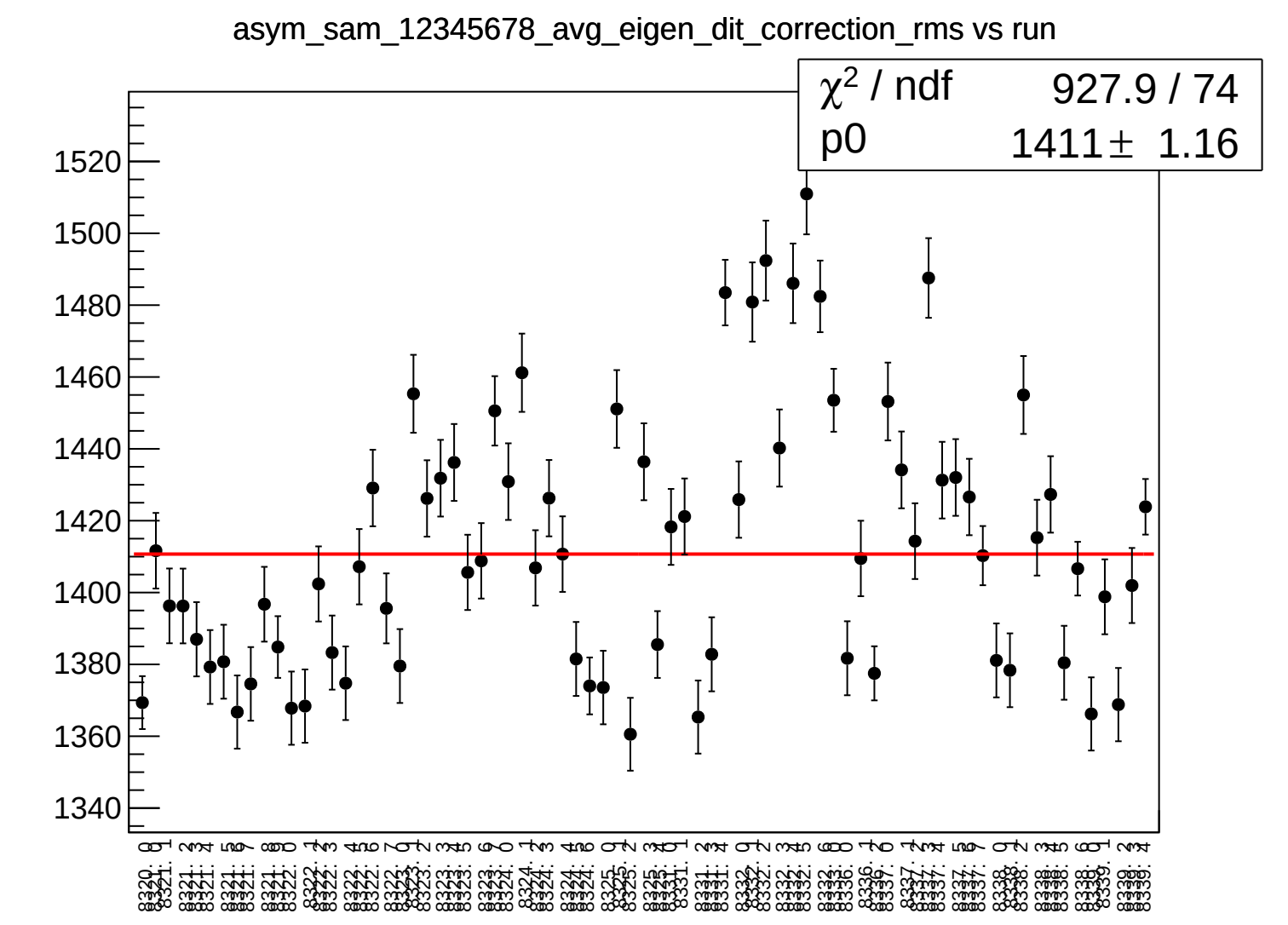

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 927.9 / 74
p0 1411 ± 1.16
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340

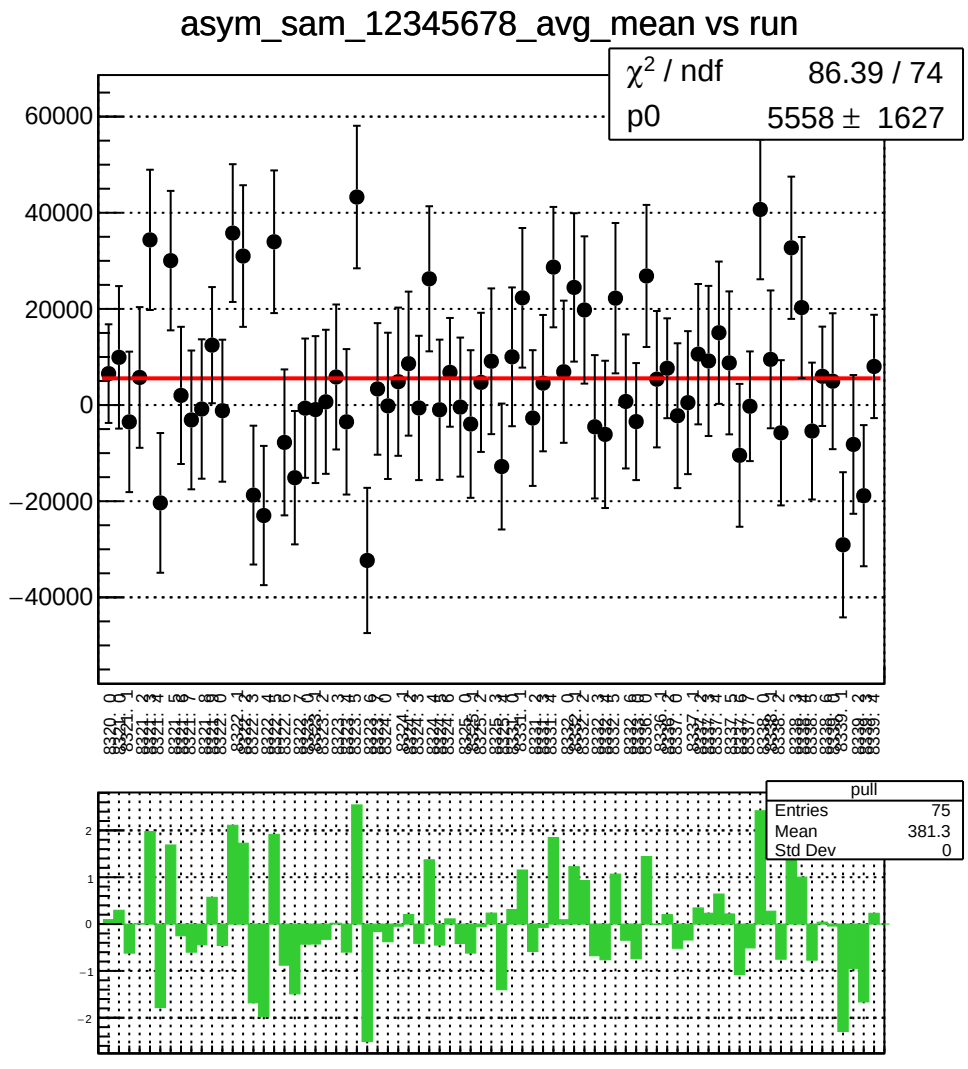

eigen_dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 79.9 / 74
p0 −144.7 ± 128.6
pull
Entries 75
Mean 31.94
Std Dev 0
pull1D
Entries 75
Mean −0.02173
Std Dev 1.032

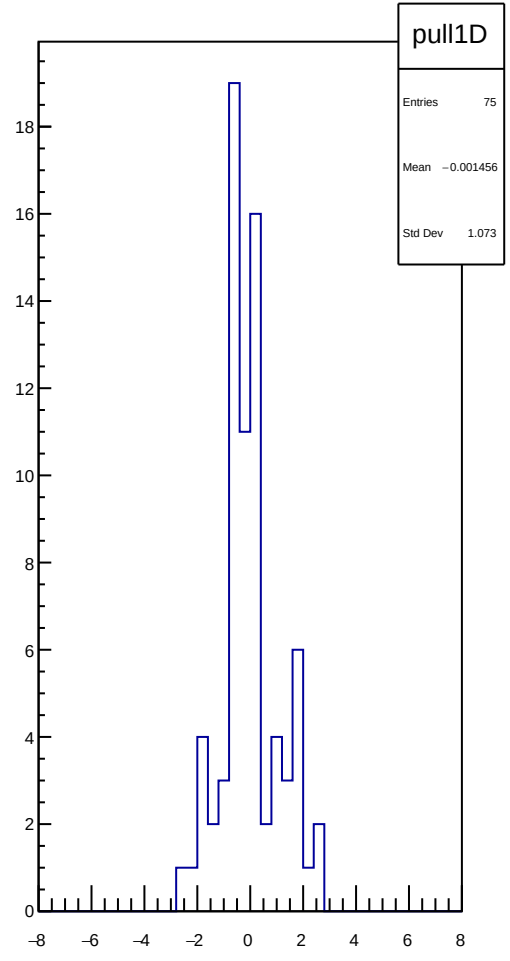

eigen_dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 9679 / 74
p0 110.2 ± 0.09091
150
140
130
120
110
100
90

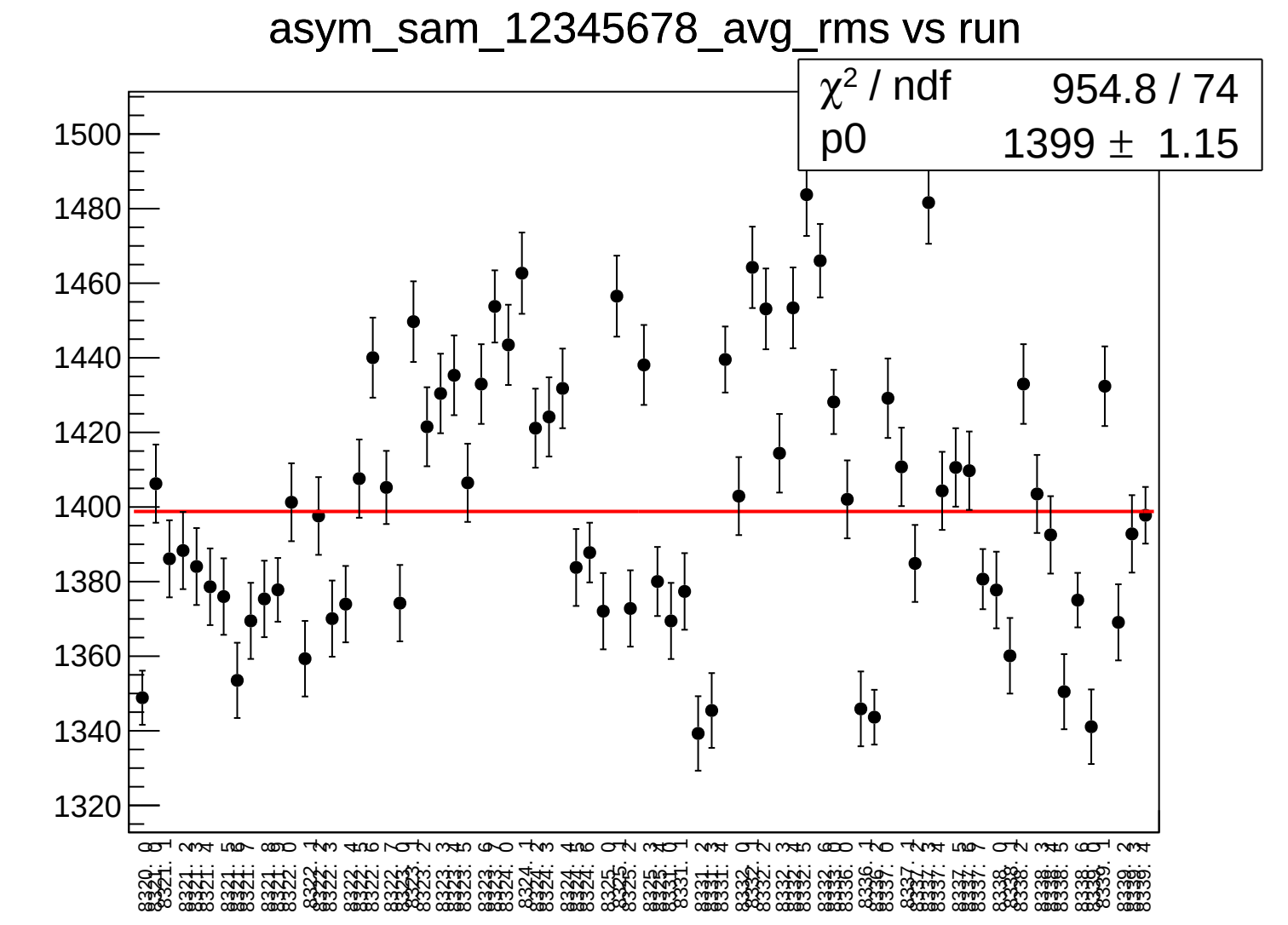

asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 84.19 / 74
p0 −5621 ± 1640
40000
20000
0
−20000
−40000
−60000
pull
Entries 75
Mean −142.1
Std Dev 0
2
1
0
−1
−2

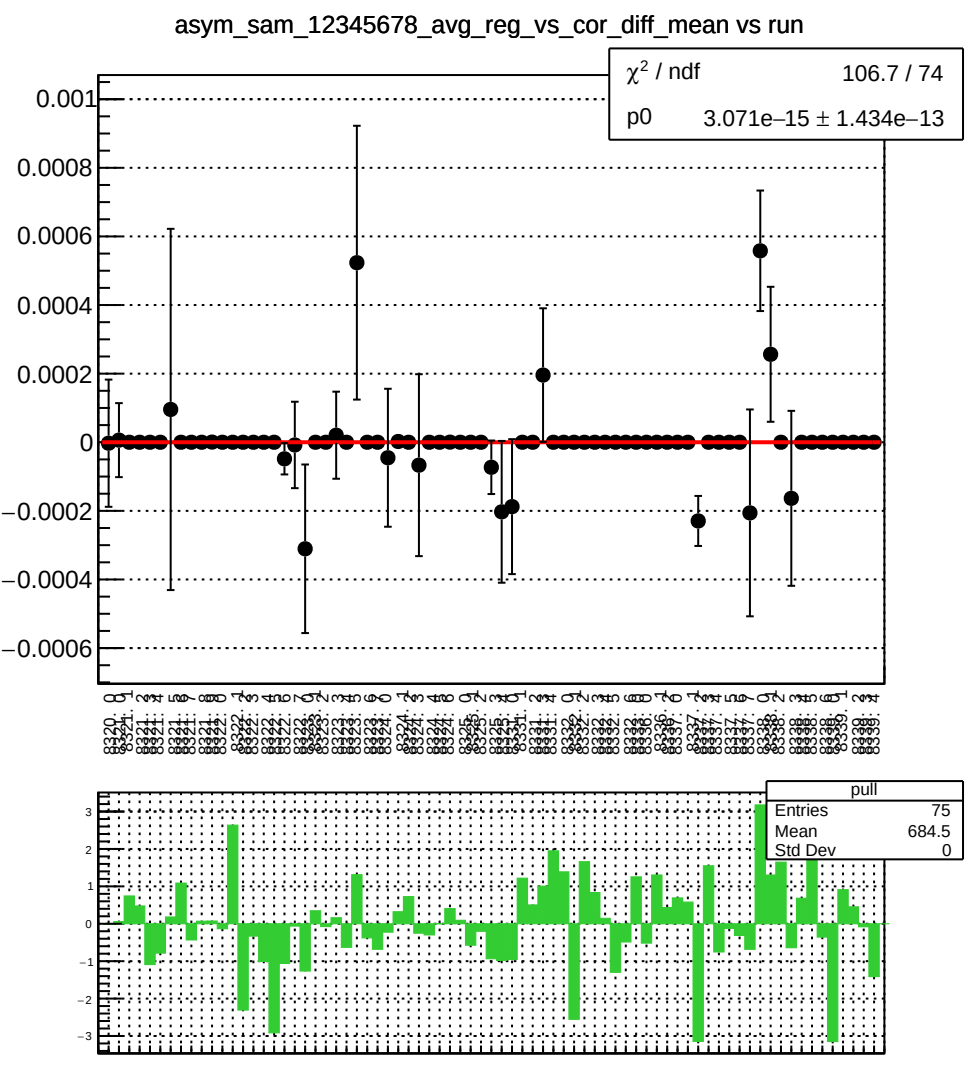

pull1D
Entries 75
Mean −0.002936
Std Dev 1.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

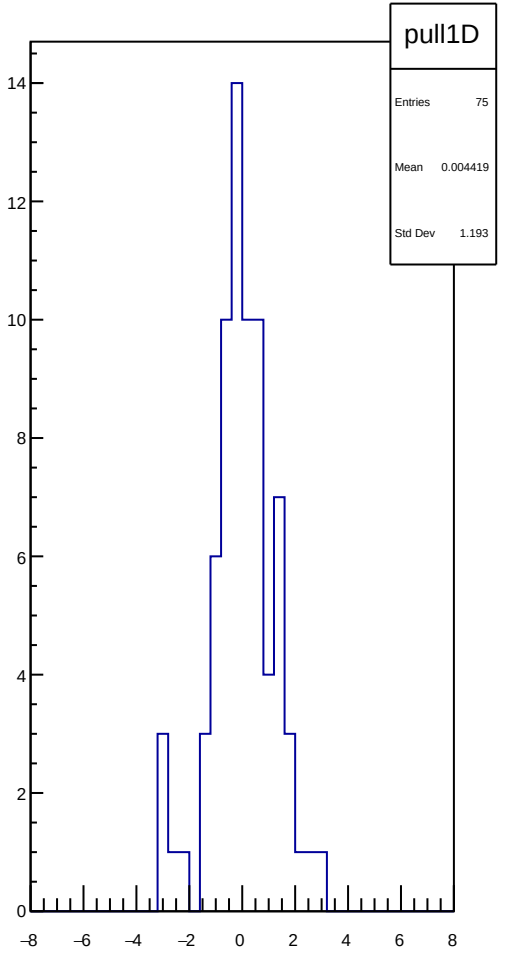

asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 927.9 / 74
p0 1411 ± 1.16
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340

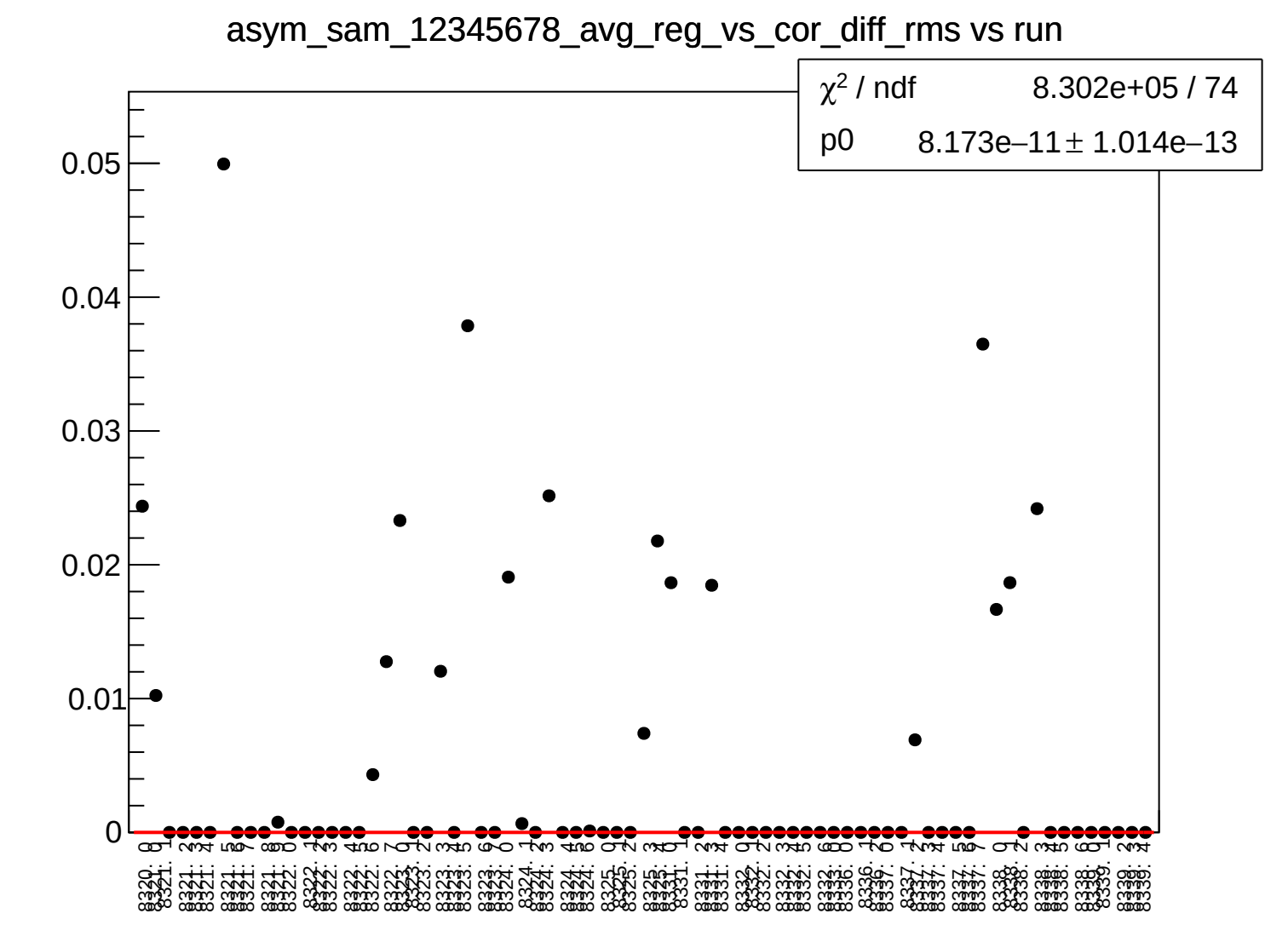

asym_sam_12345678_avg_mean vs run
χ² / ndf 86.39 / 74
p0 5558 ± 1627
pull
Entries 75
Mean 381.3
Std Dev 0

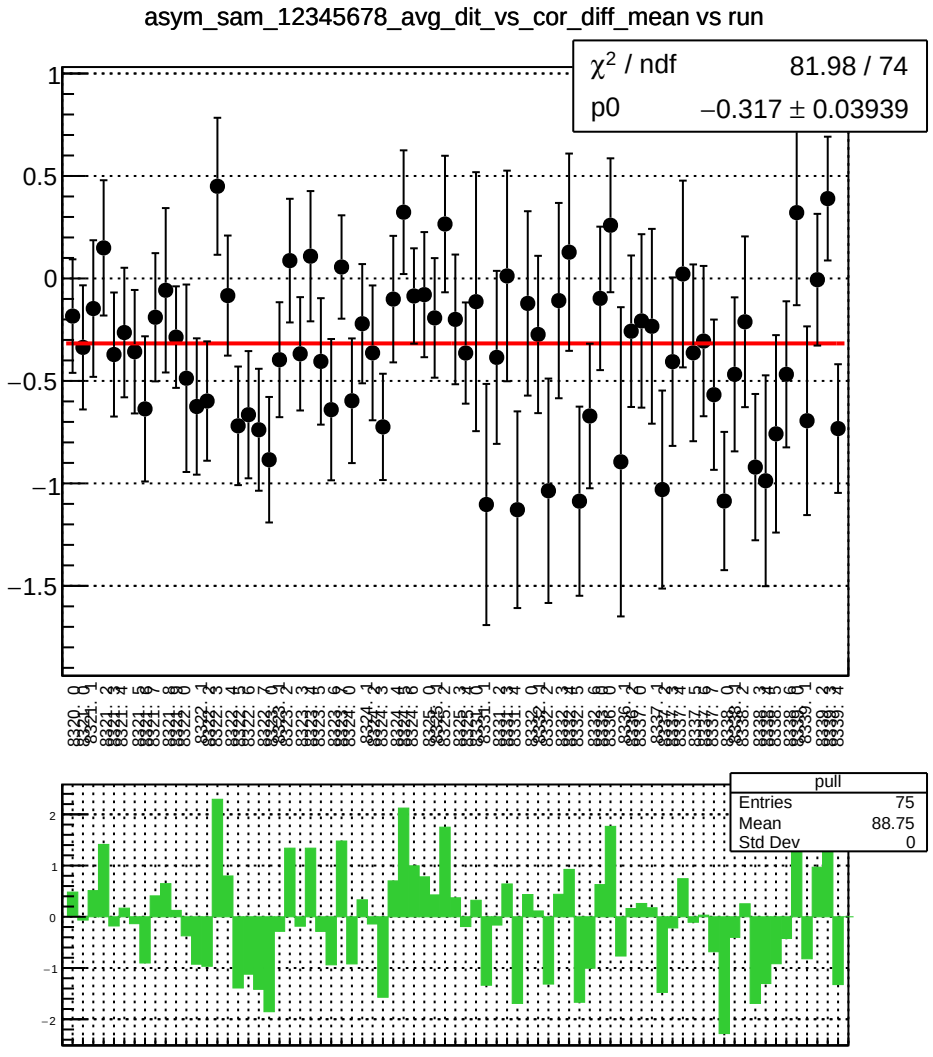

pull1D
Entries 75
Mean −0.001456
Std Dev 1.073

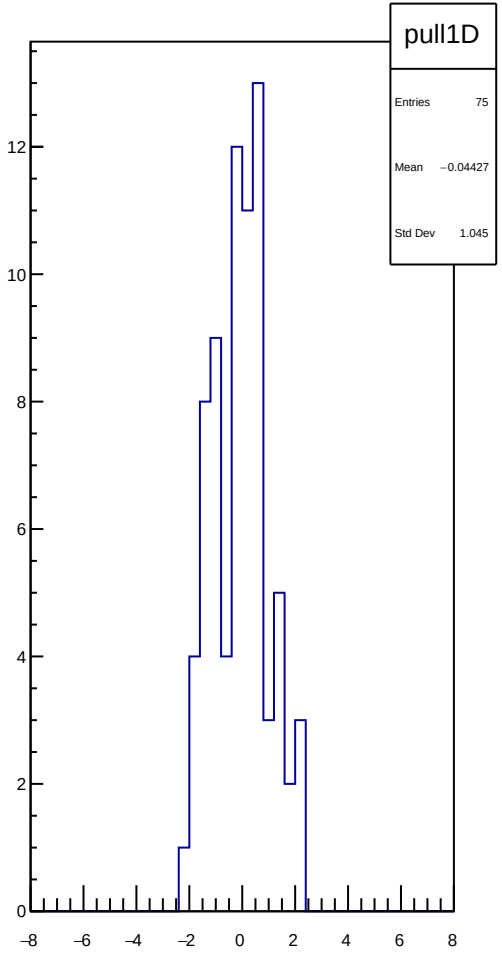

asym_sam_12345678_avg_rms vs run
χ² / ndf 954.8 / 74
p0 1399 ± 1.15
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320

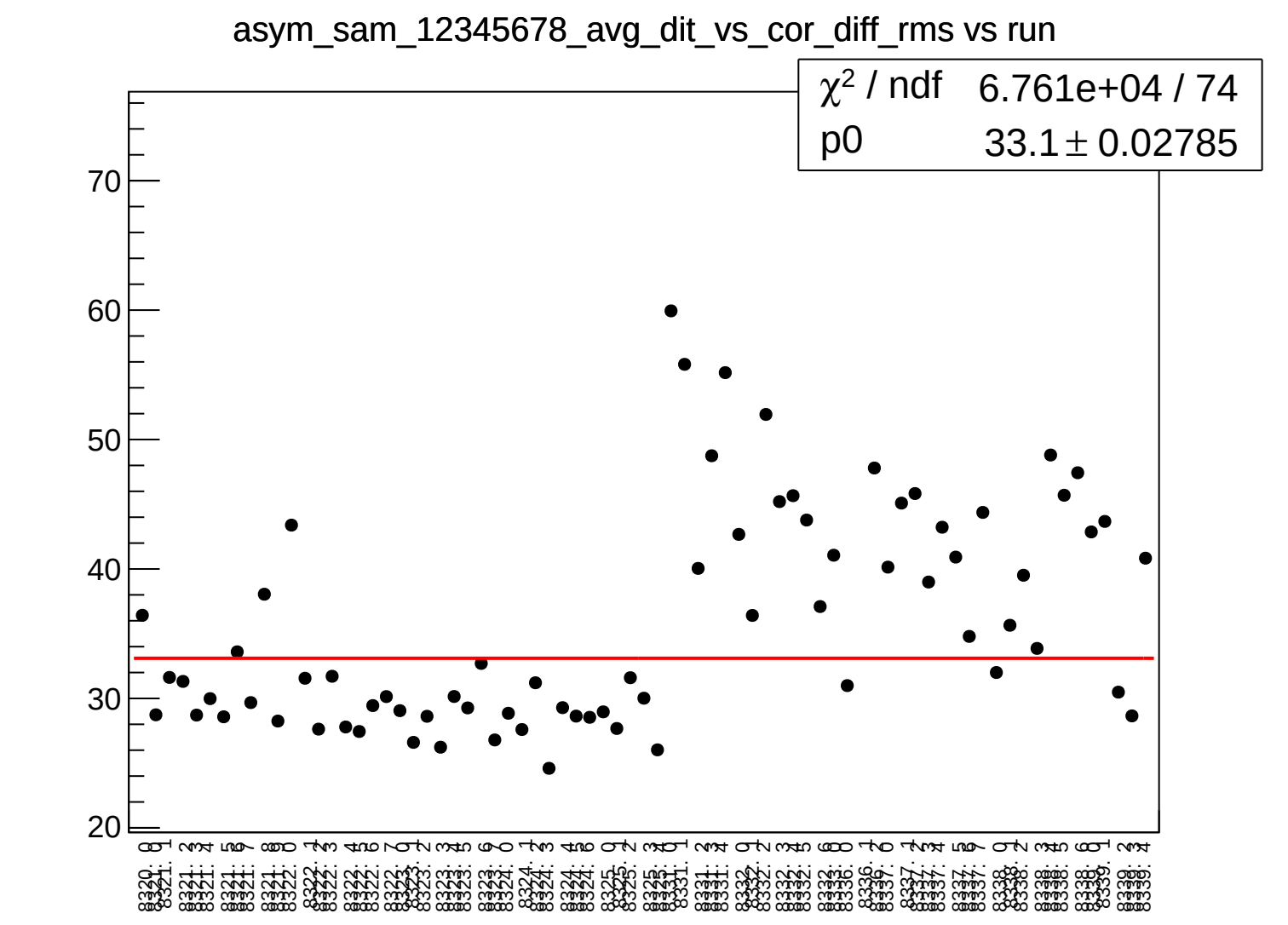

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 106.7 / 74
p0 3.071e−15 ± 1.434e−13
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
pull
Entries 75
Mean 684.5
Std Dev 0
3
2
1
0
−1
−2
−3

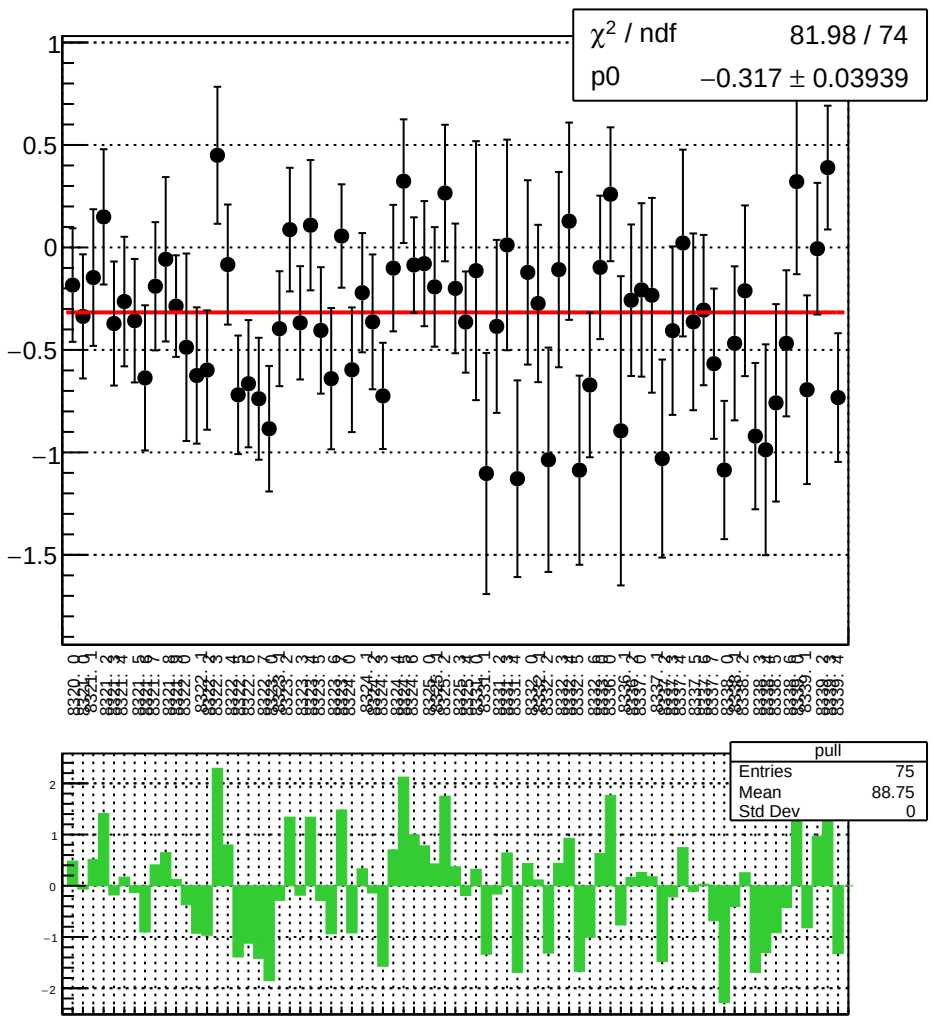

pull1D
Entries 75
Mean 0.004419
Std Dev 1.193
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

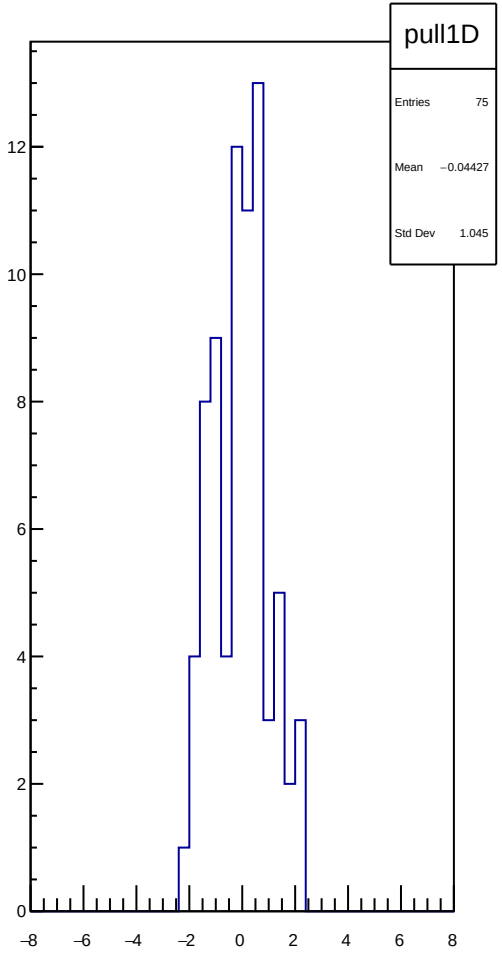

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 8.302e+05 / 74
p0 8.173e−11 ± 1.014e−13
0.05
0.04
0.03
0.02
0.01
0

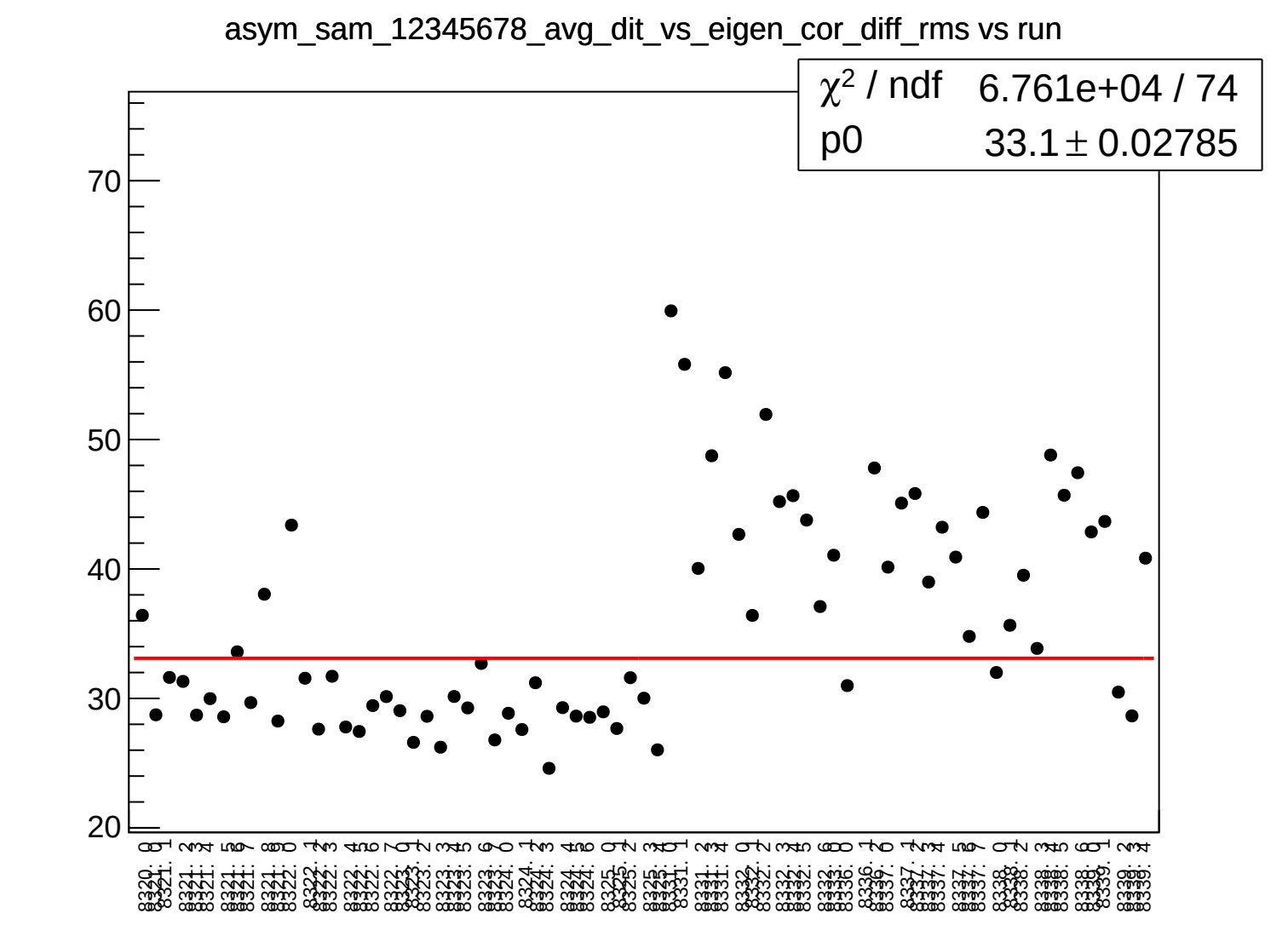

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 81.98 / 74
p0 −0.317 ± 0.03939
pull
Entries 75
Mean 88.75
Std Dev 0

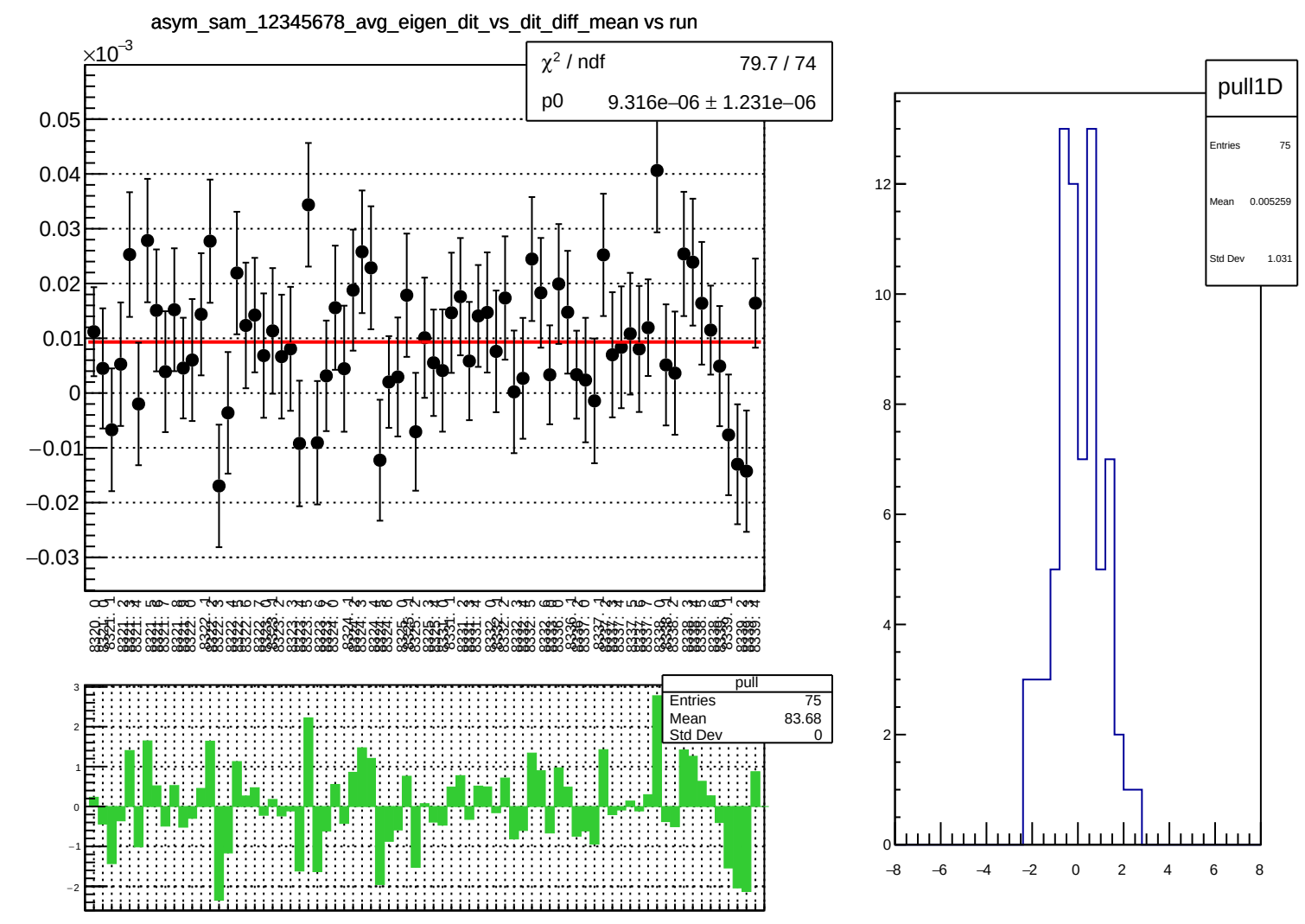

pull1D
Entries 75
Mean −0.04427
Std Dev 1.045

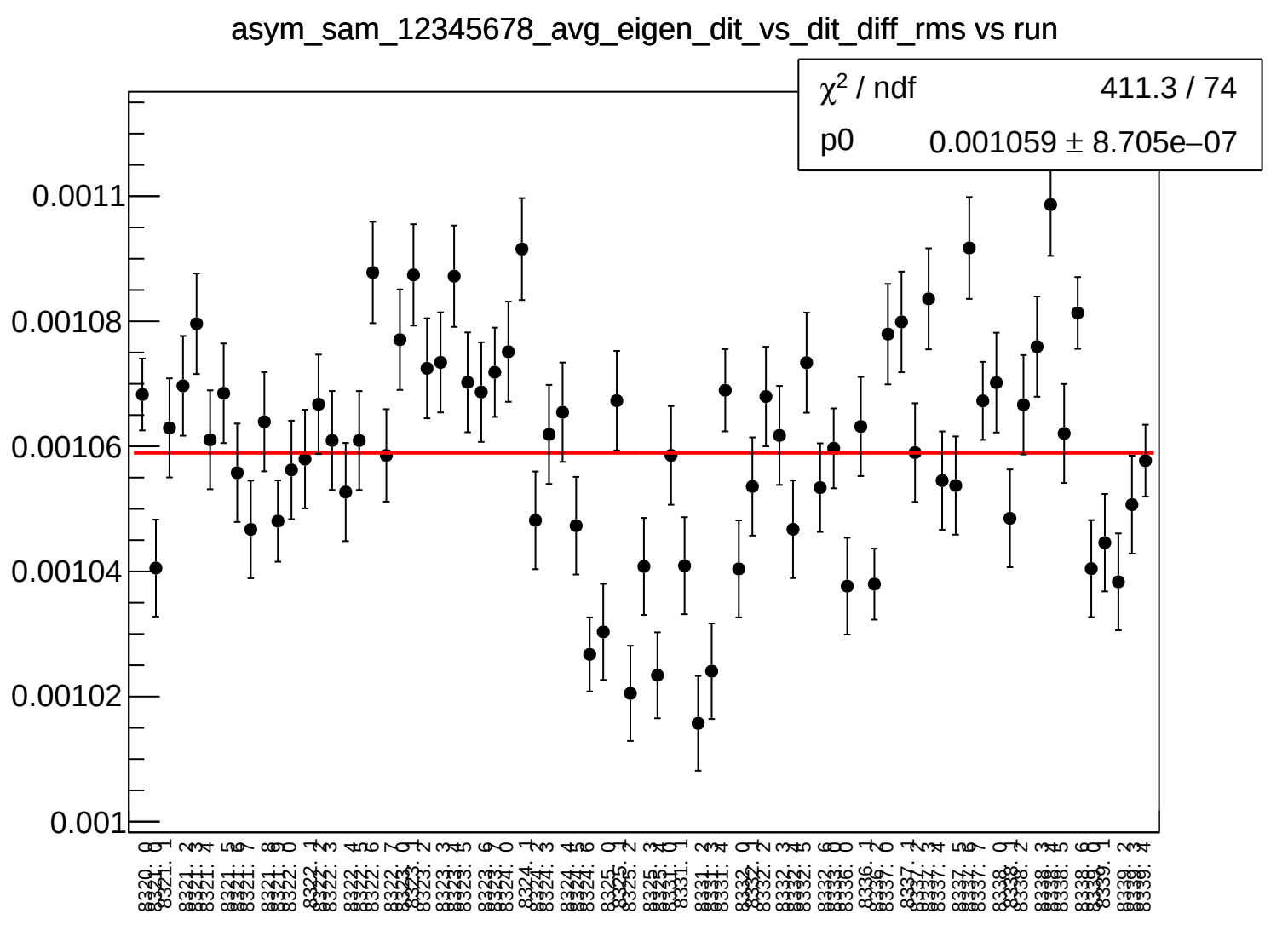

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.761e+04 / 74
p0 33.1 ± 0.02785
70
60
50
40
30
20

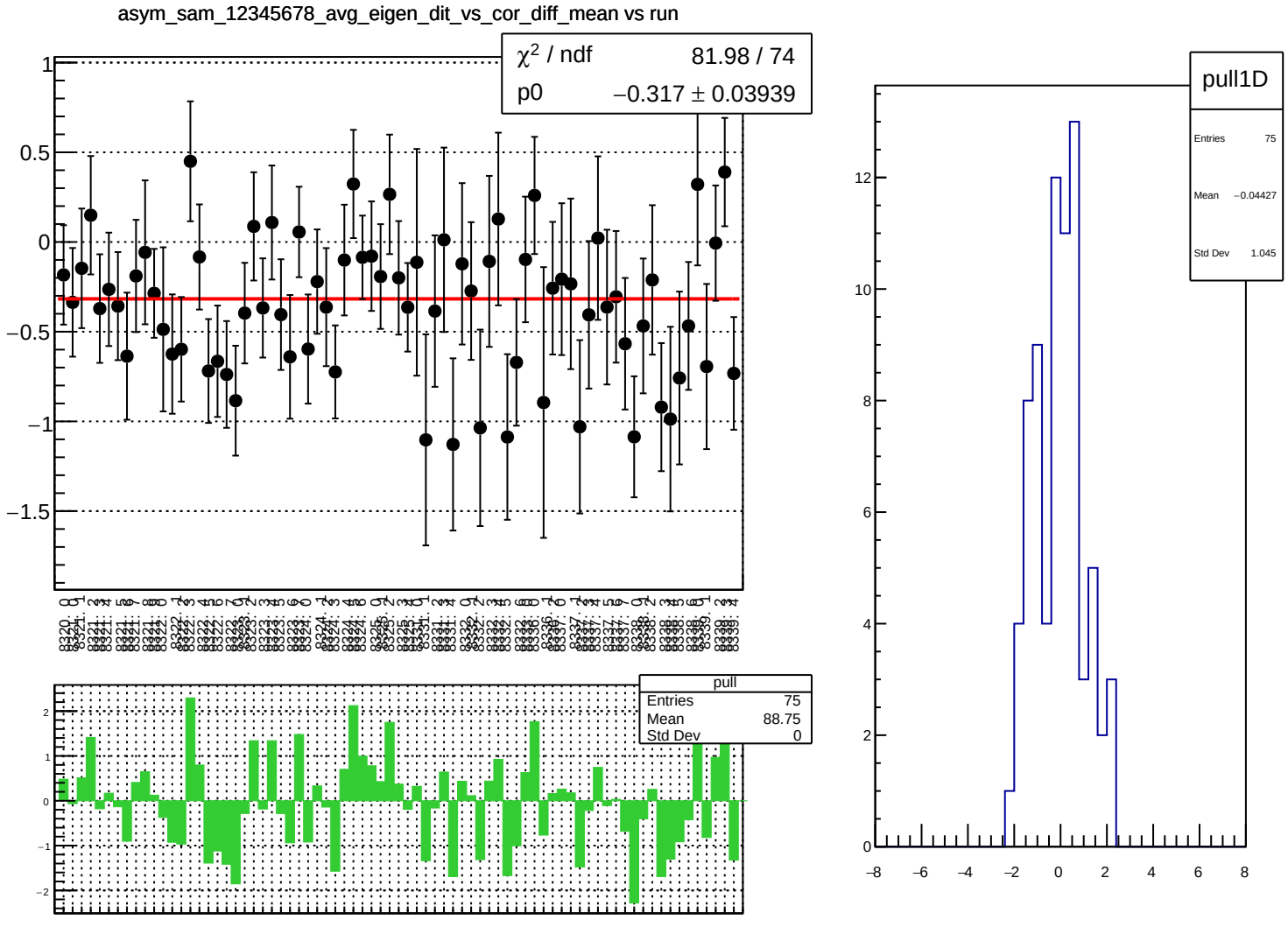

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.98 / 74
p0 −0.317 ± 0.03939
pull
Entries 75
Mean 88.75
Std Dev 0

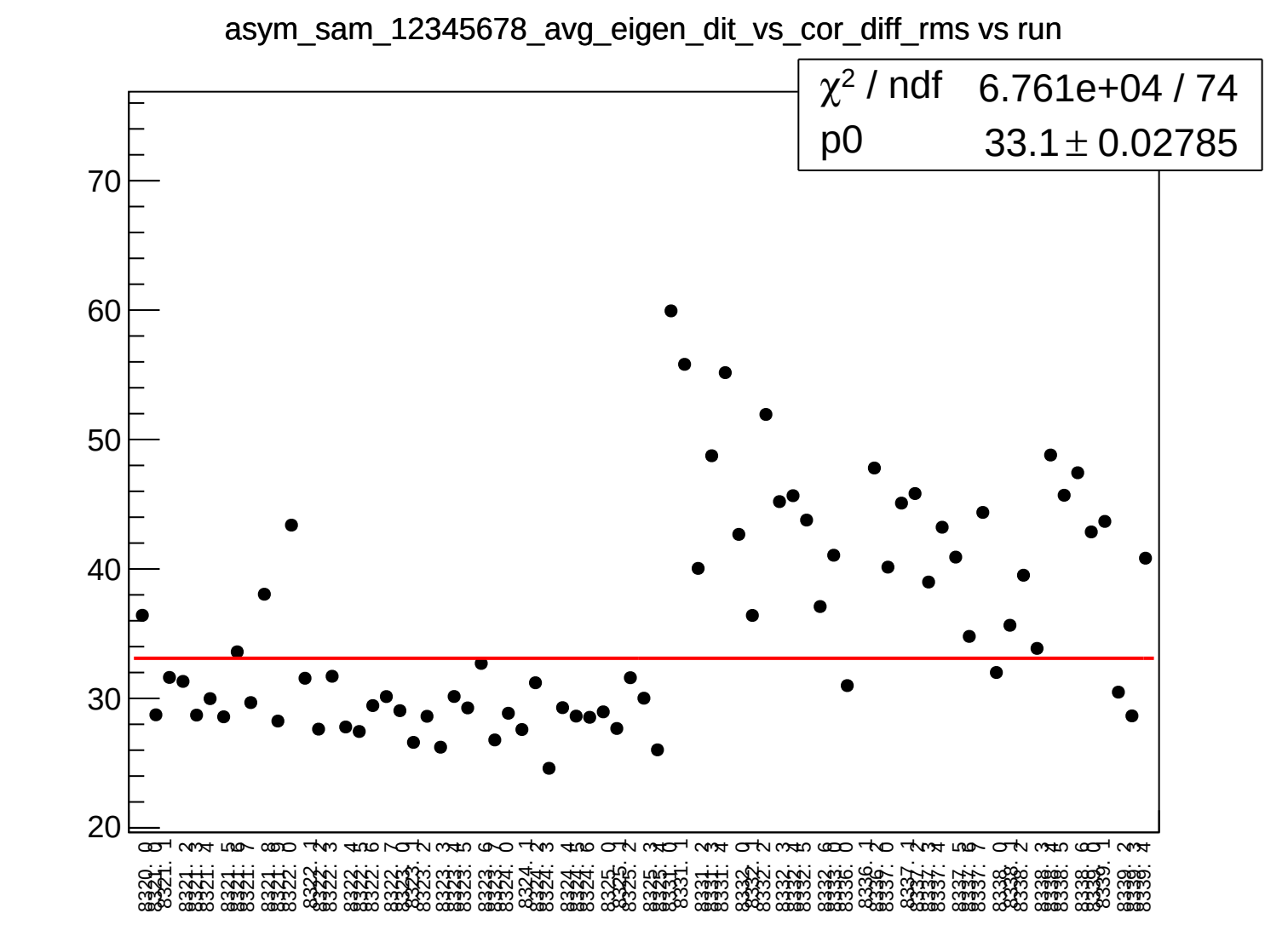

pull1D
Entries 75
Mean −0.04427
Std Dev 1.045

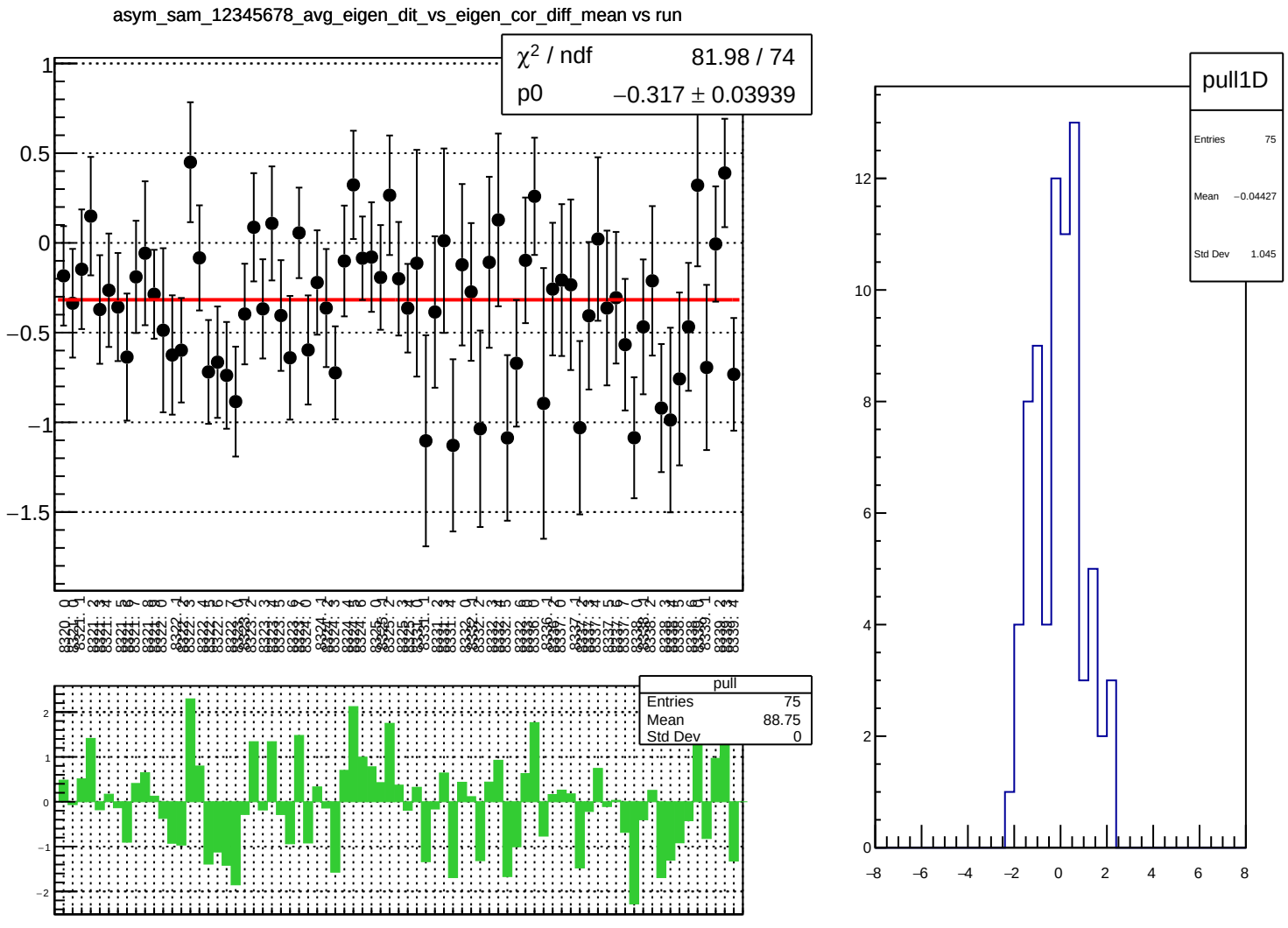

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.761e+04 / 74
p0 33.1 ± 0.02785
70
60
50
40
30
20

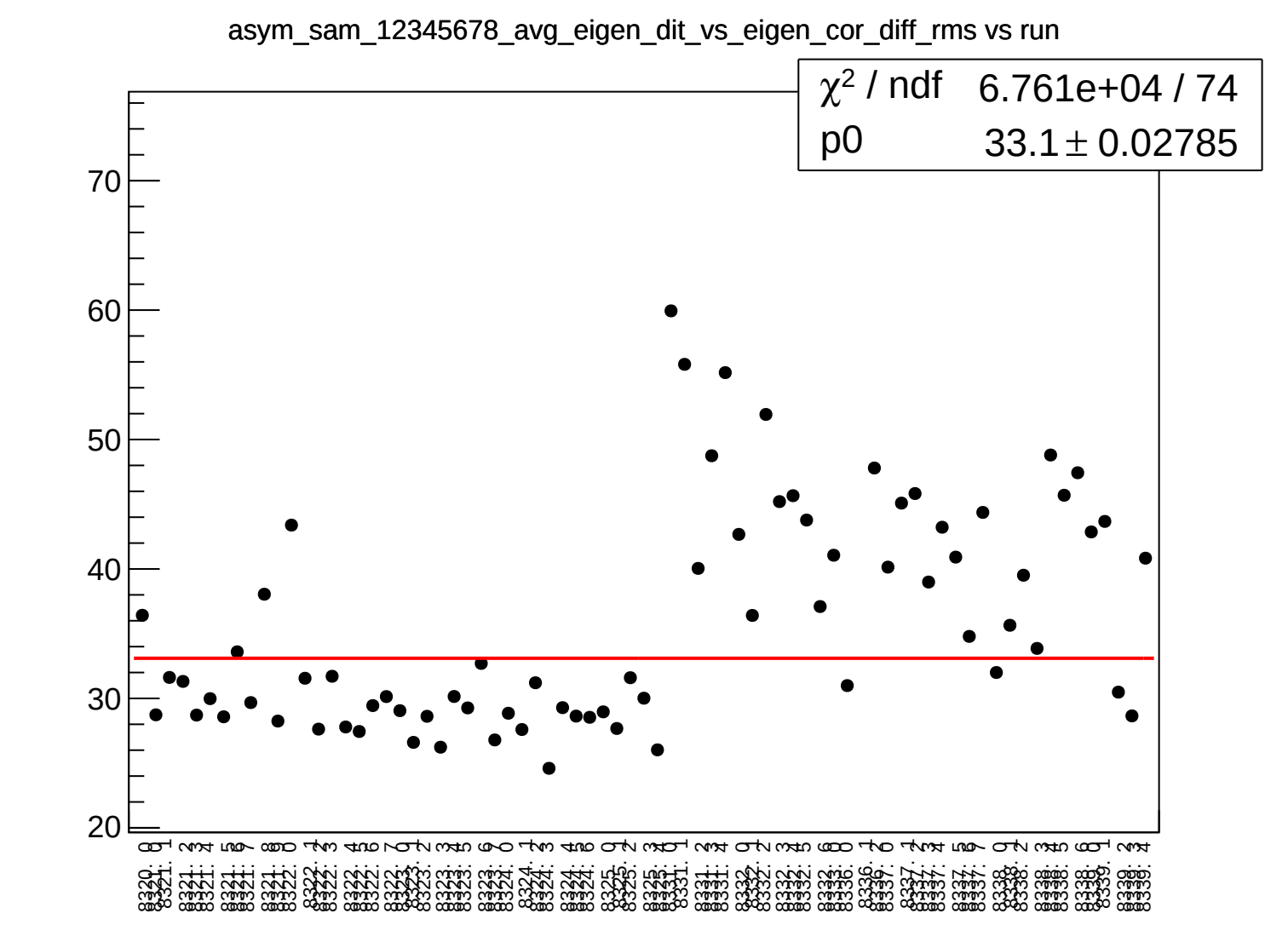

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 79.7 / 74
p0 9.316e−06 ± 1.231e−06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 75
Mean 83.68
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 75
Mean 0.005259
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

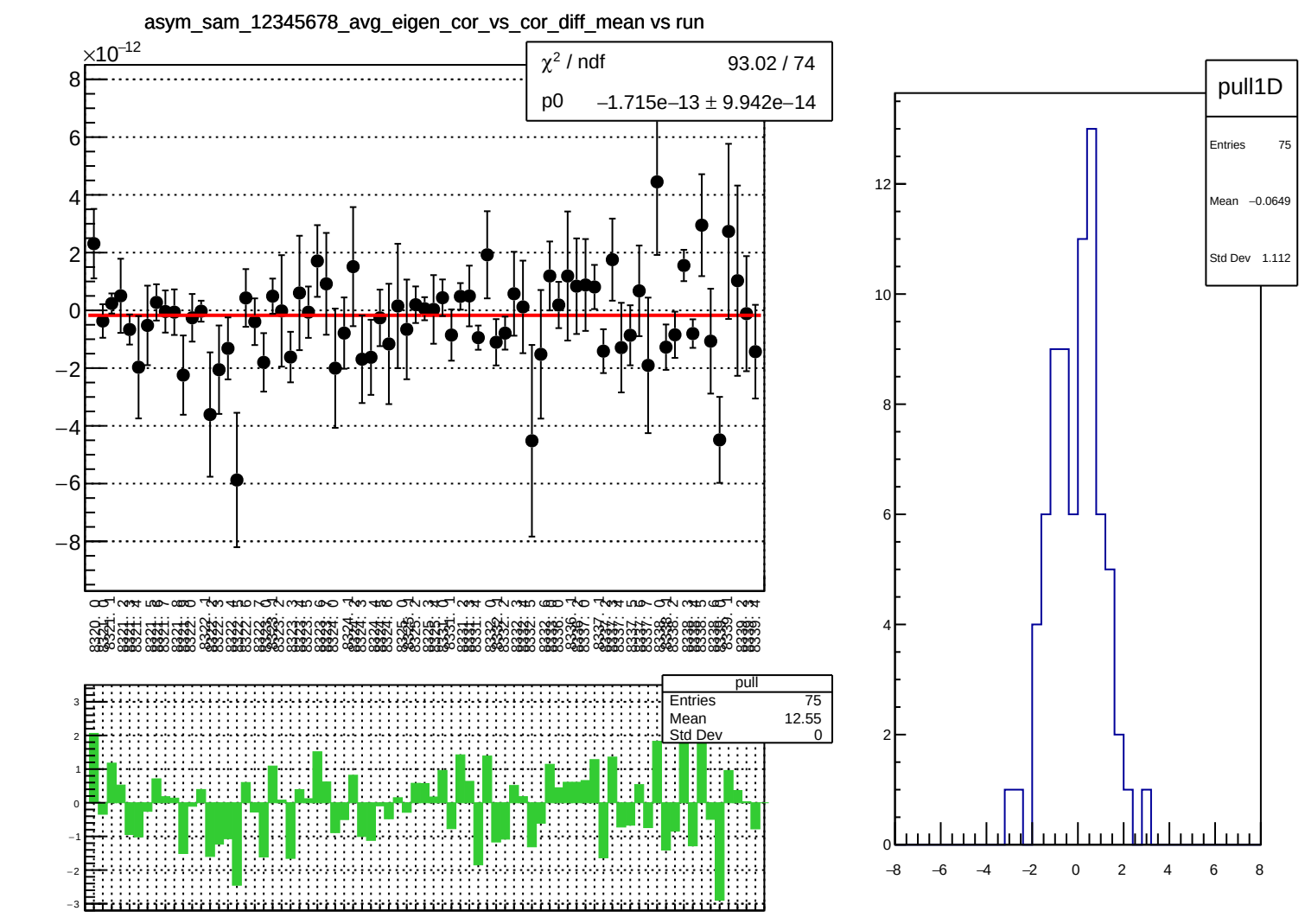

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 411.3 / 74
p0 0.001059 ± 8.705e−07
0.0011
0.00108
0.00106
0.00104
0.00102
0.001

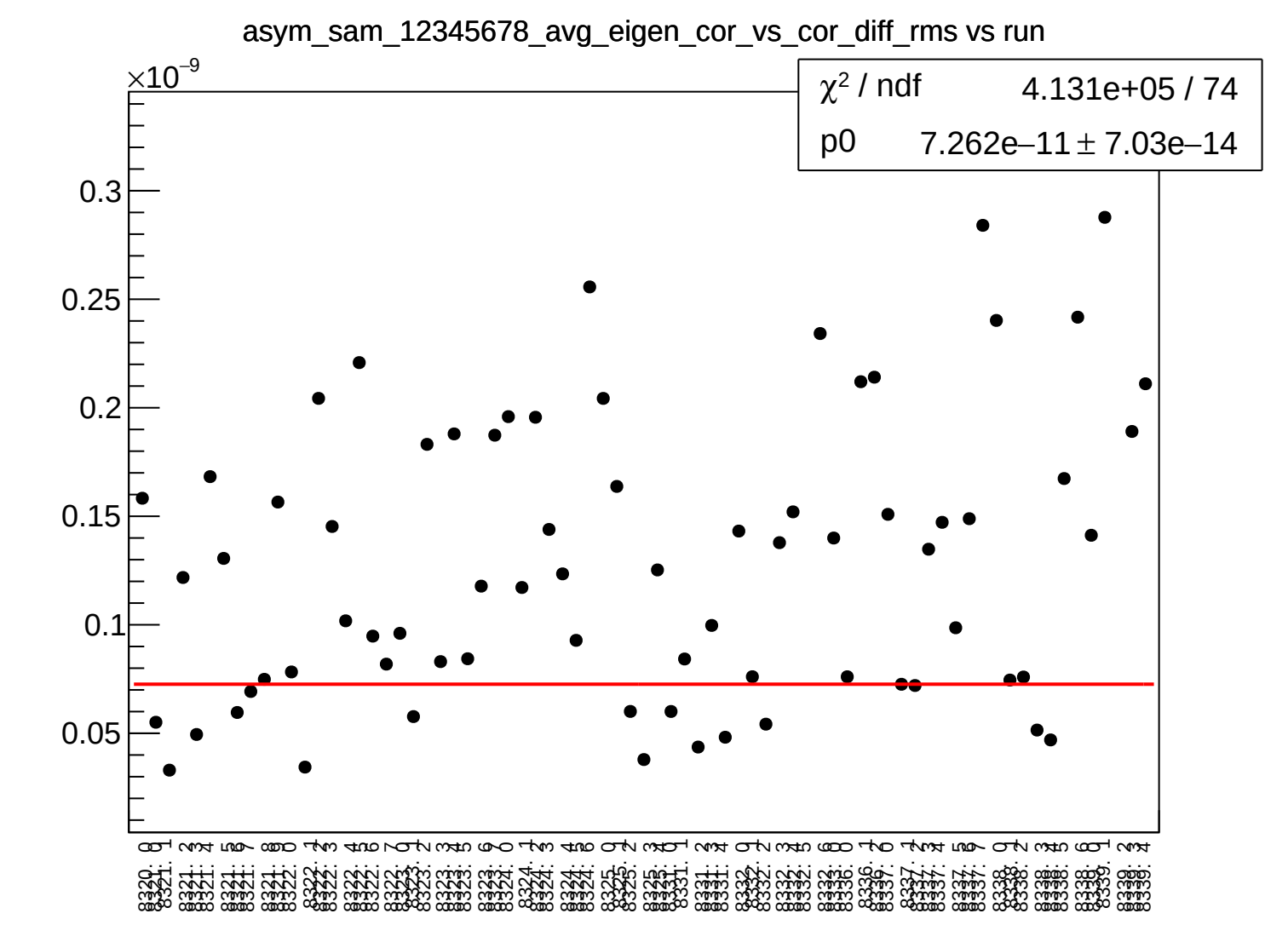

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 81.98 / 74
p0 −0.317 ± 0.03939
pull
Entries 75
Mean 88.75
Std Dev 0
pull1D
Entries 75
Mean −0.04427
Std Dev 1.045

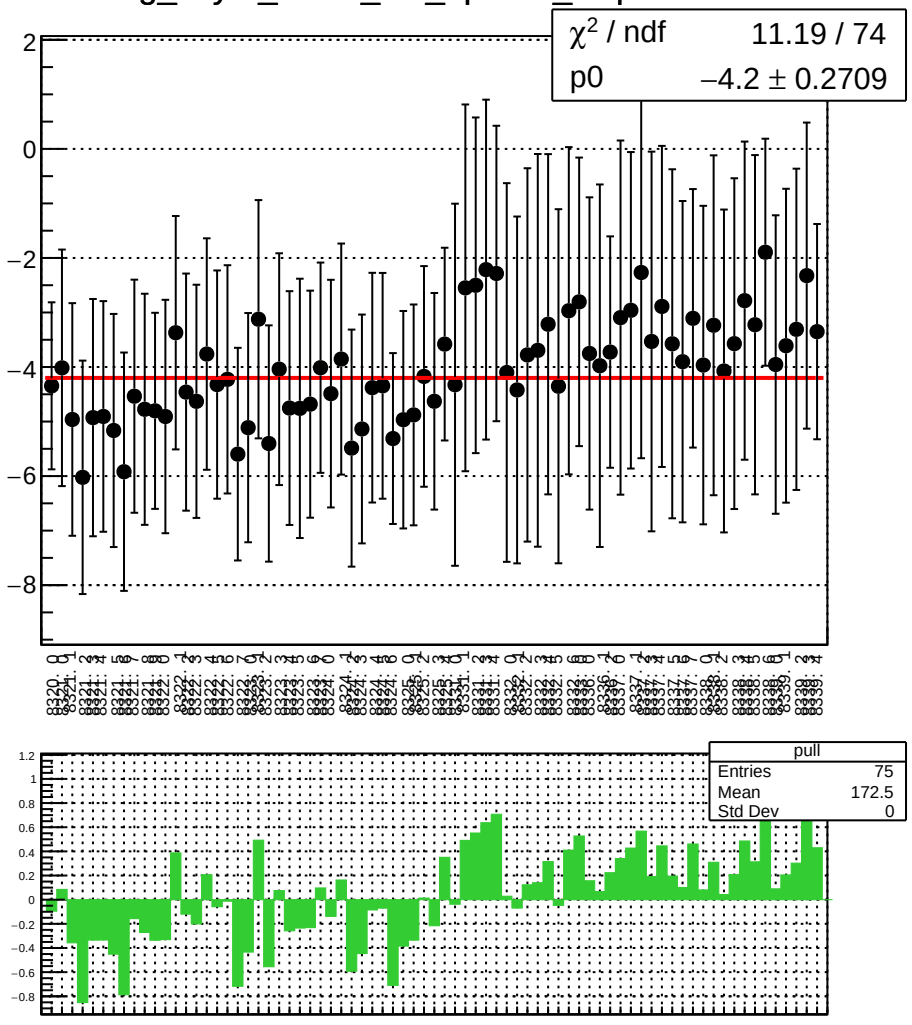

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.761e+04 / 74
p0 33.1 ± 0.02785
70
60
50
40
30
20

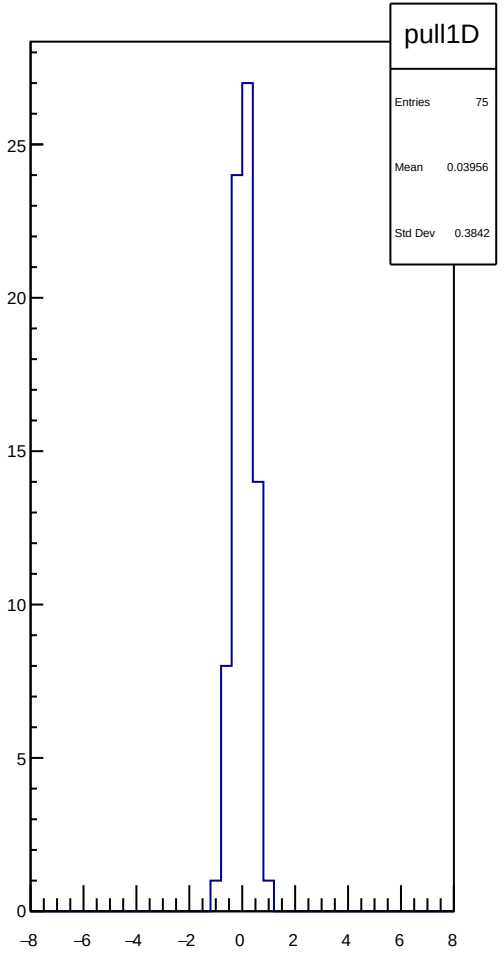

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 81.98 / 74
p0 −0.317 ± 0.03939
pull
Entries 75
Mean 88.75
Std Dev 0
pull1D
Entries 75
Mean −0.04427
Std Dev 1.045

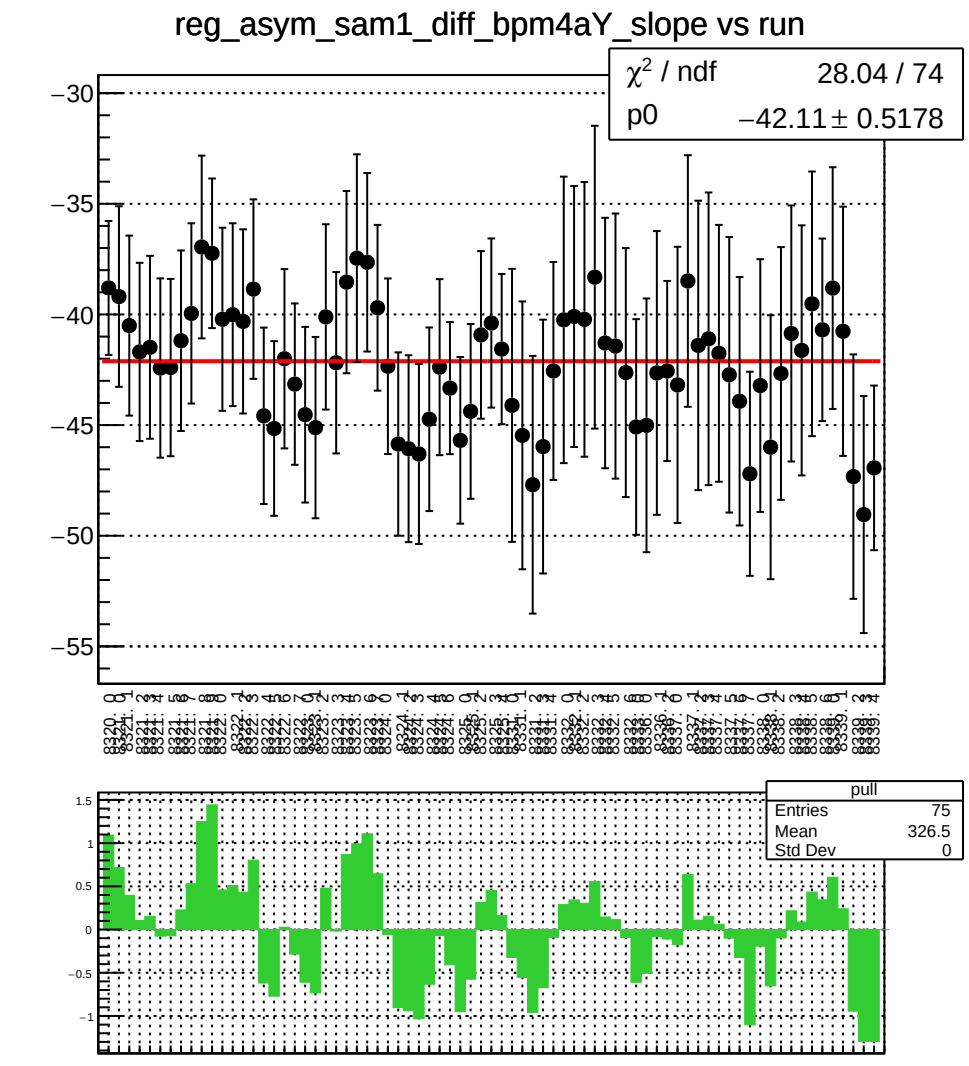

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.761e+04 / 74
p0 33.1 ± 0.02785
70
60
50
40
30
20

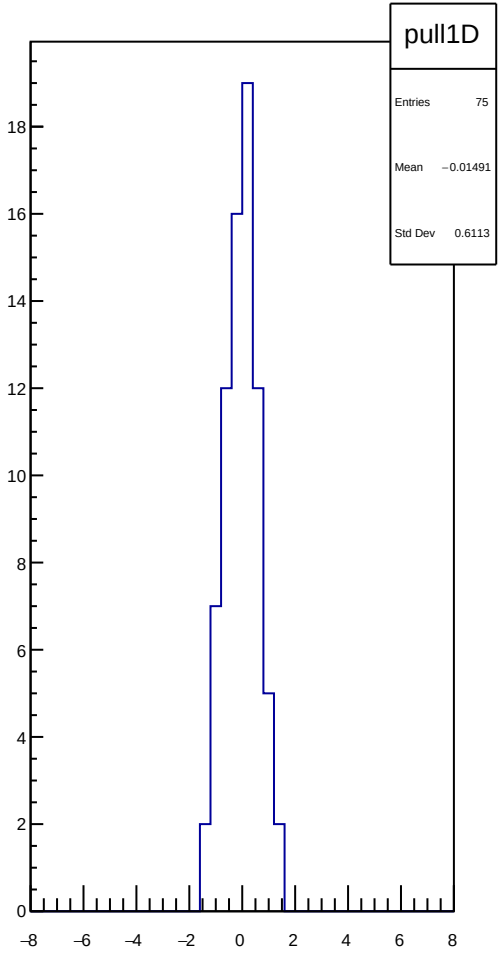

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 93.02 / 74
p0 −1.715e−13 ± 9.942e−14
pull
Entries 75
Mean 12.55
Std Dev 0
pull1D
Entries 75
Mean −0.0649
Std Dev 1.112

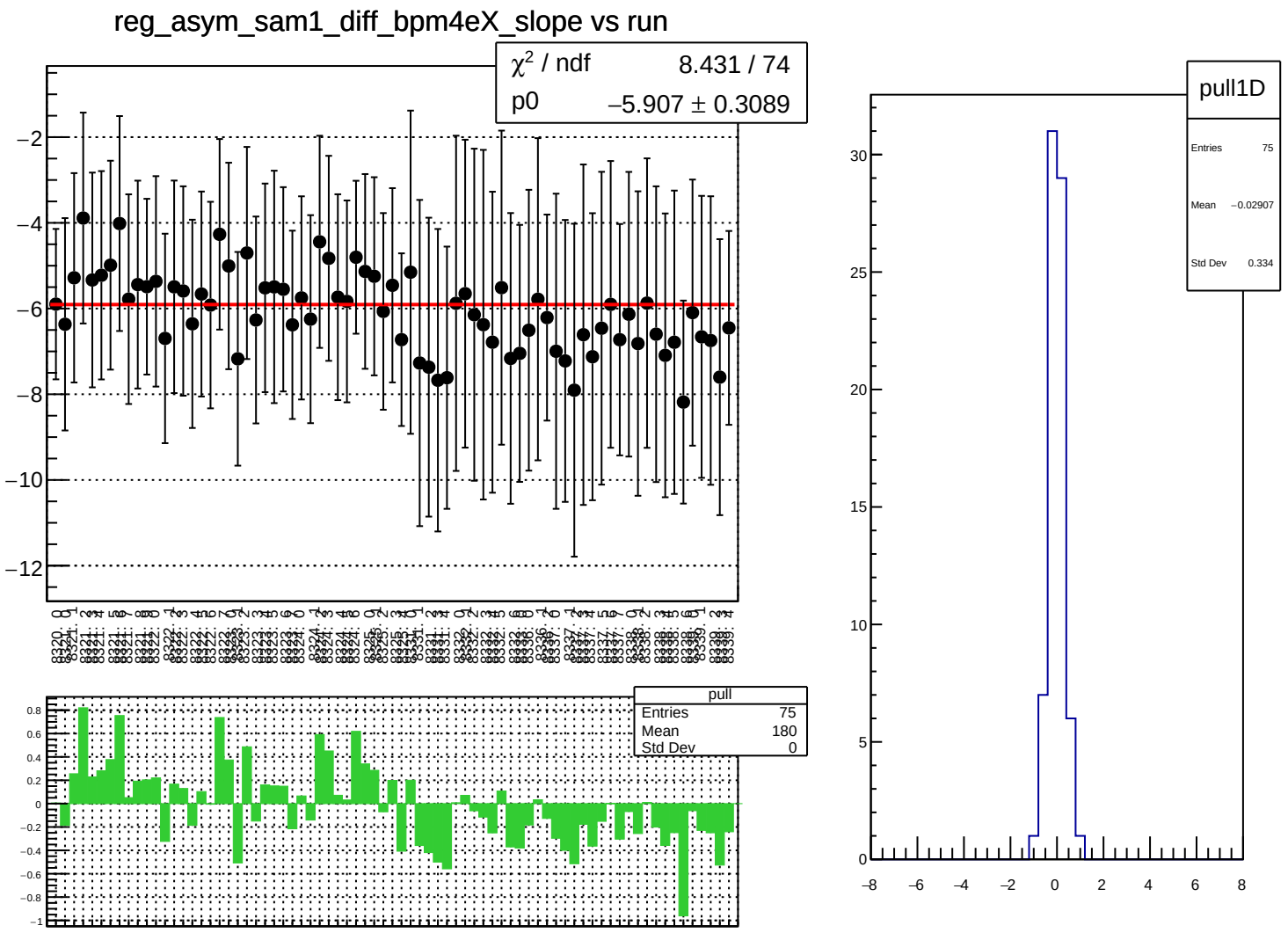

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.131e+05 / 74
p0 7.262e−11 ± 7.03e−14
0.3
0.25
0.2
0.15
0.1
0.05

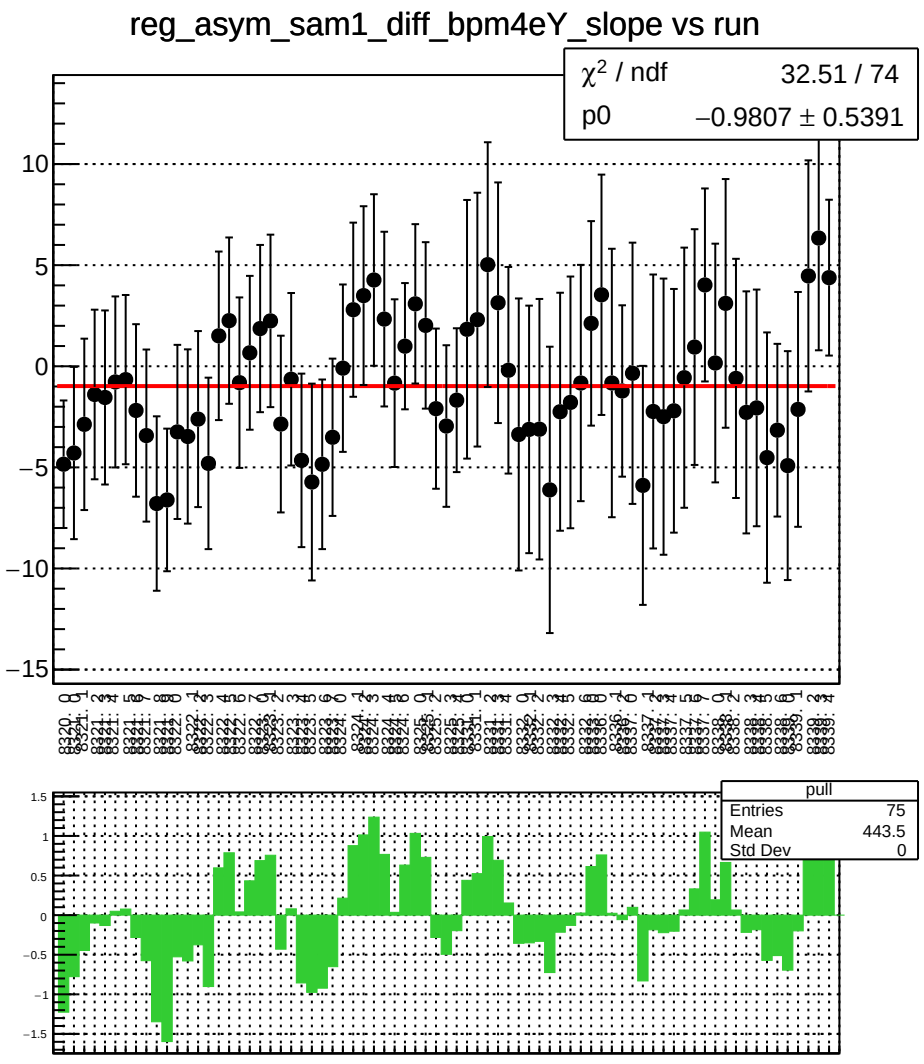

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 11.19 / 74
p0 −4.2 ± 0.2709
pull
Entries 75
Mean 172.5
Std Dev 0

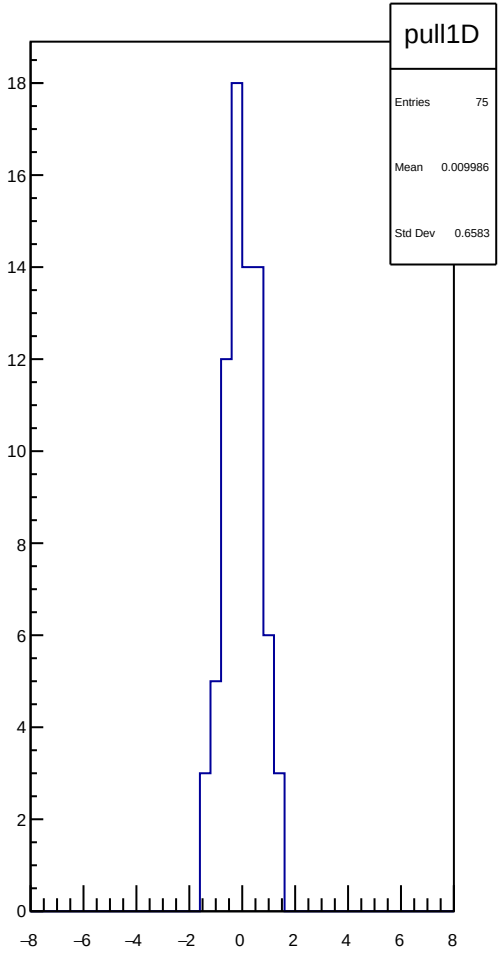

pull1D
Entries 75
Mean 0.03956
Std Dev 0.3842

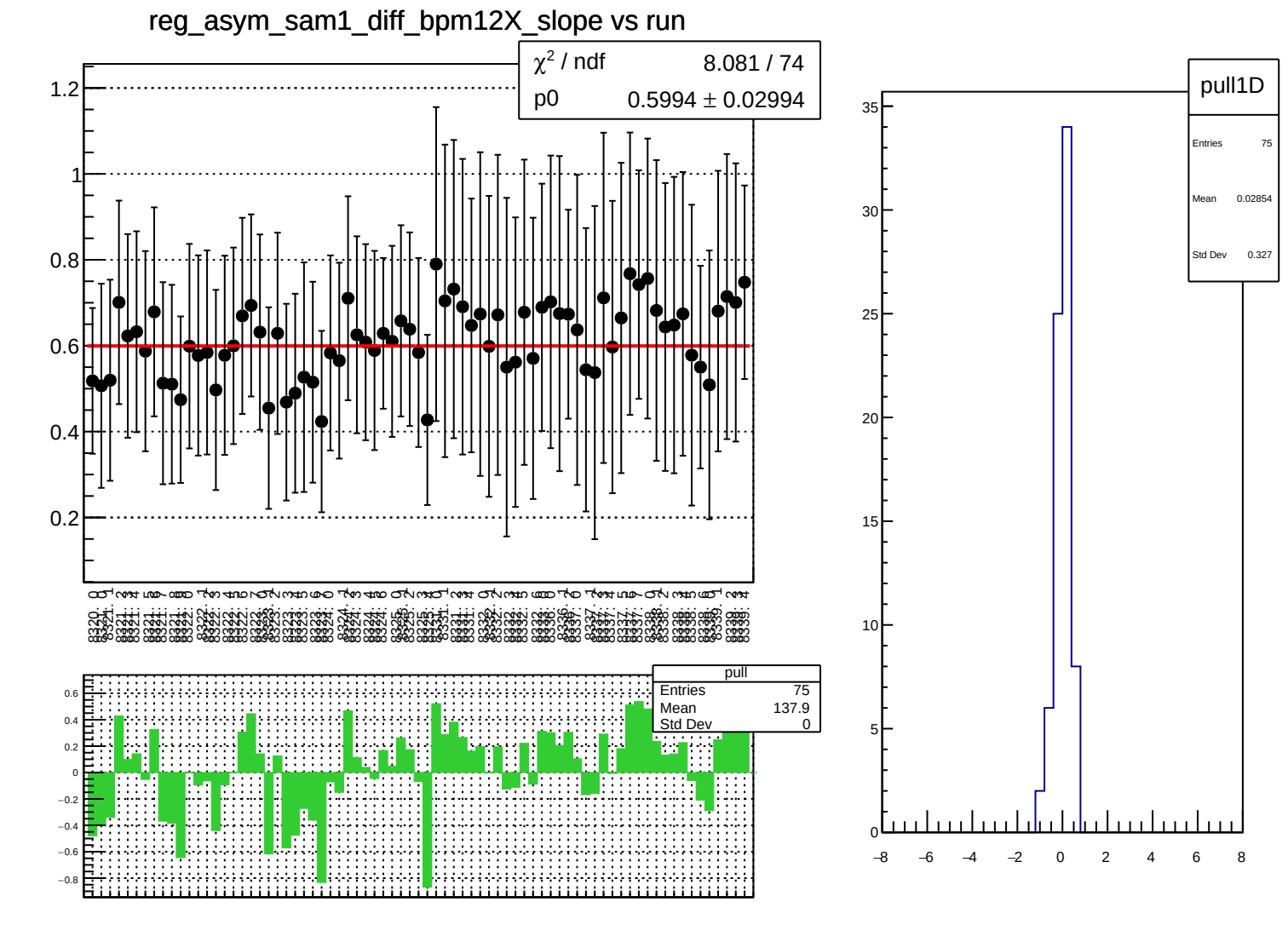

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 28.04 / 74
p0 −42.11 ± 0.5178
pull
Entries 75
Mean 326.5
Std Dev 0

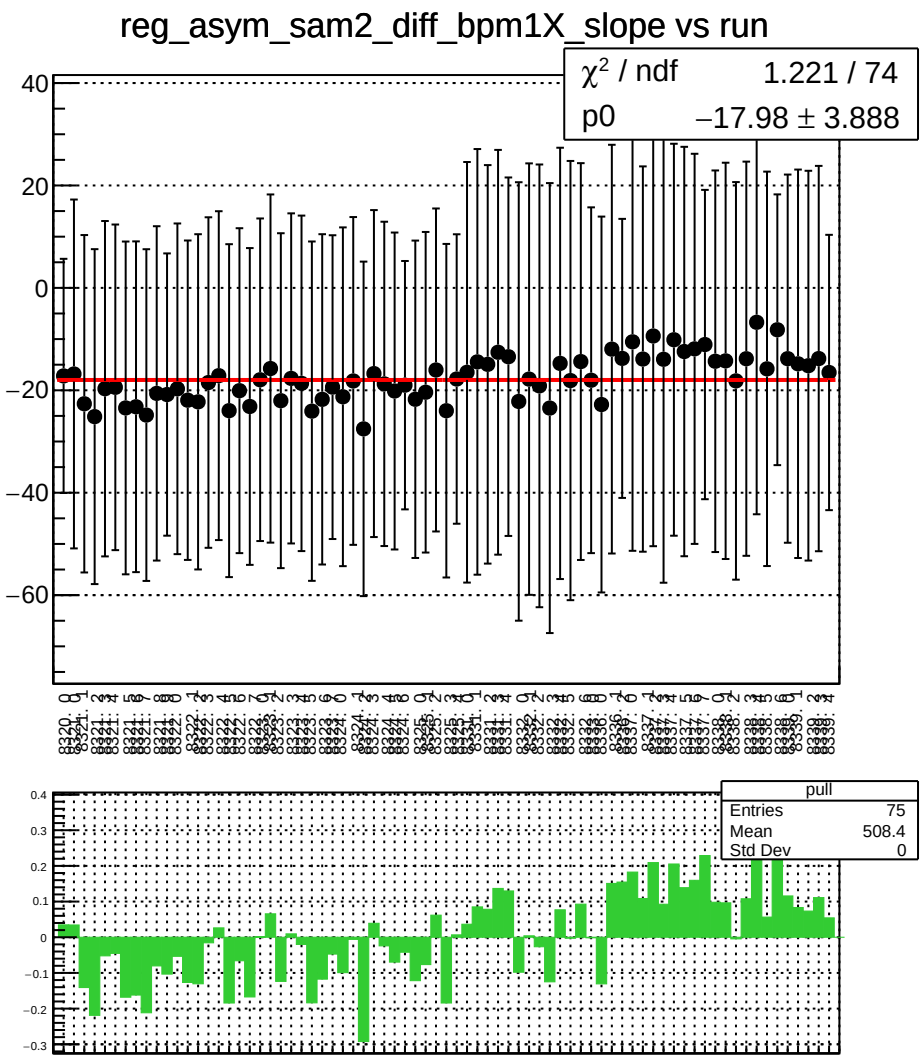

pull1D
Entries 75
Mean −0.01491
Std Dev 0.6113

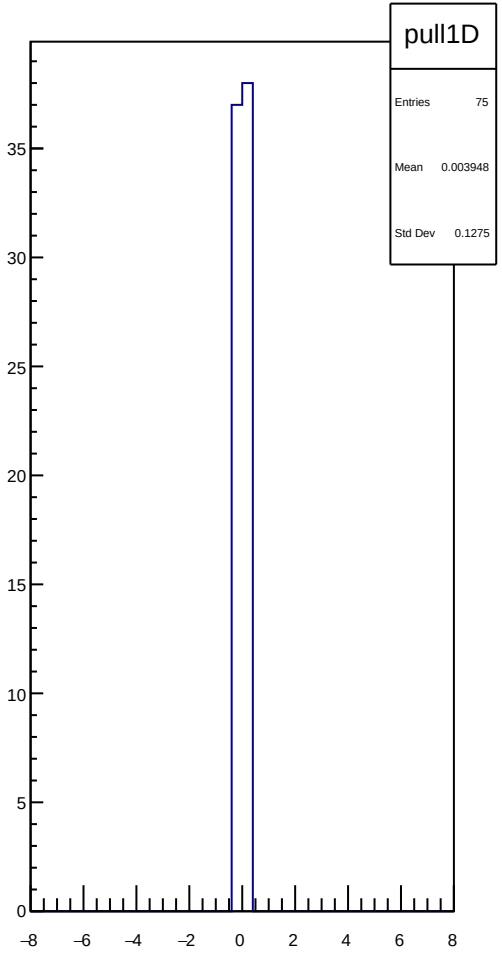

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 8.431 / 74
p0 −5.907 ± 0.3089
pull
Entries 75
Mean 180
Std Dev 0
pull1D
Entries 75
Mean −0.02907
Std Dev 0.334

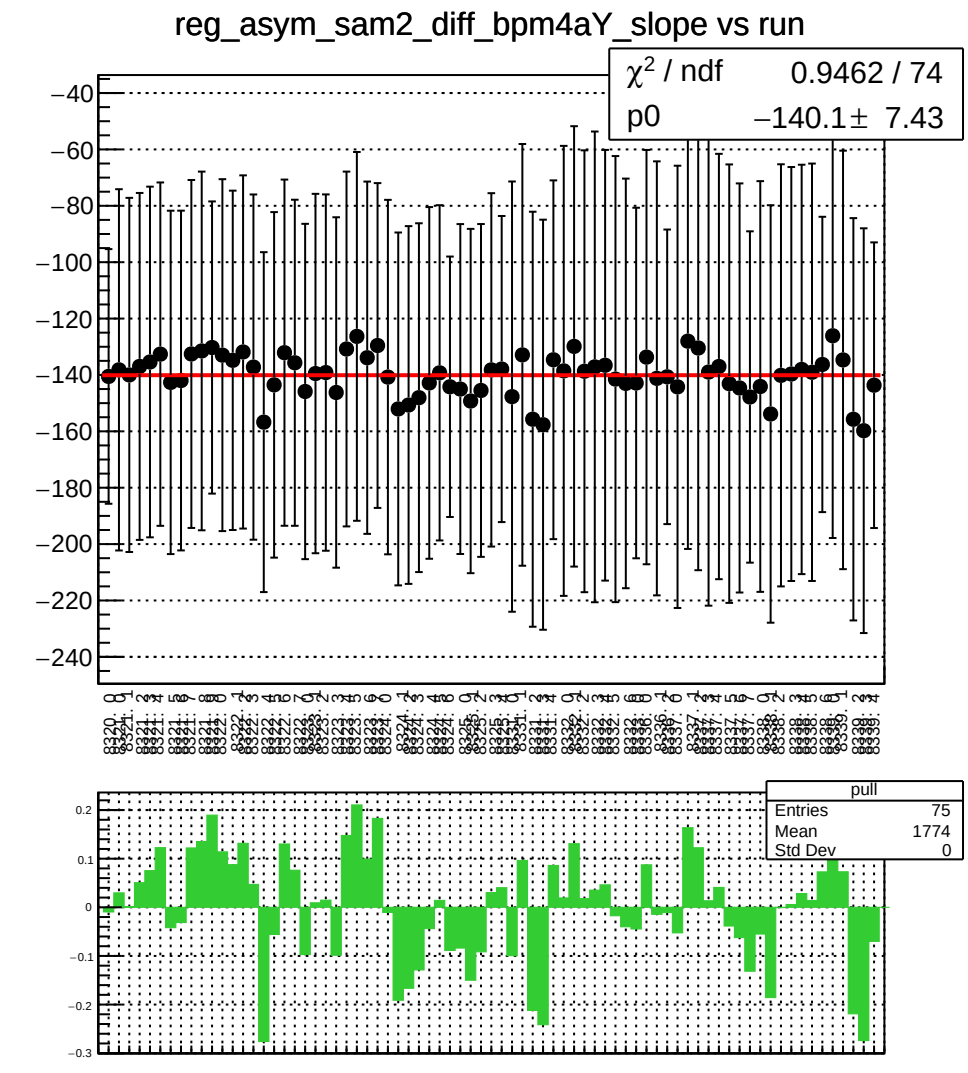

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 32.51 / 74
p0 −0.9807 ± 0.5391
pull
Entries 75
Mean 443.5
Std Dev 0

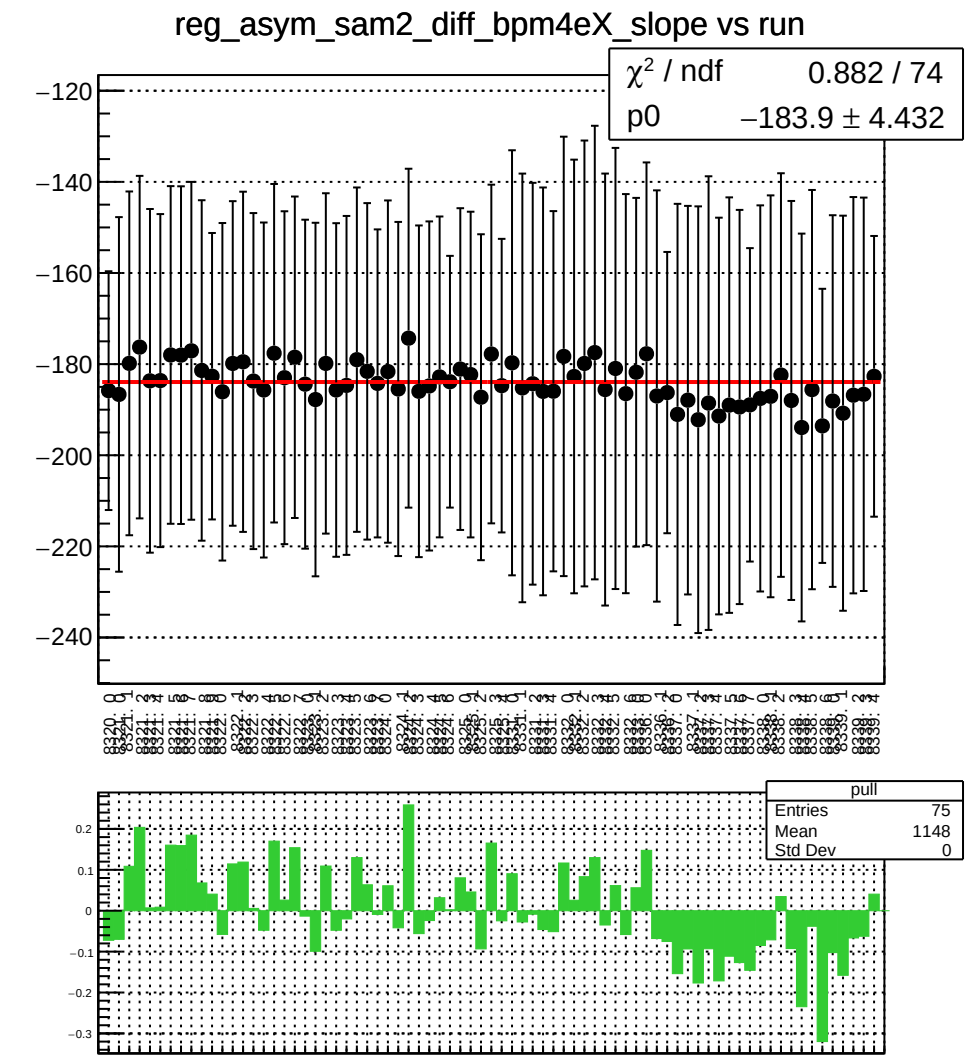

pull1D
Entries 75
Mean 0.009986
Std Dev 0.6583

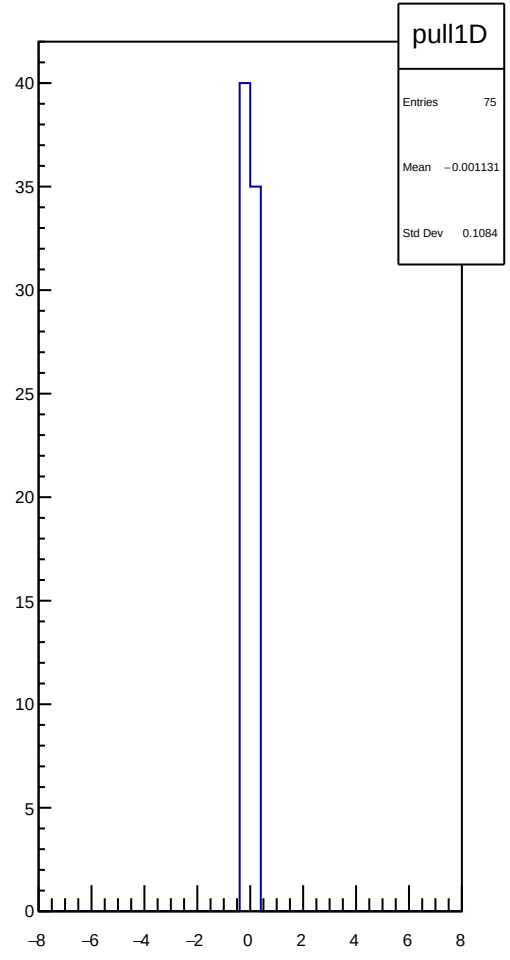

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 8.081 / 74
p0 0.5994 ± 0.02994
pull
Entries 75
Mean 137.9
Std Dev 0
pull1D
Entries 75
Mean 0.02854
Std Dev 0.327

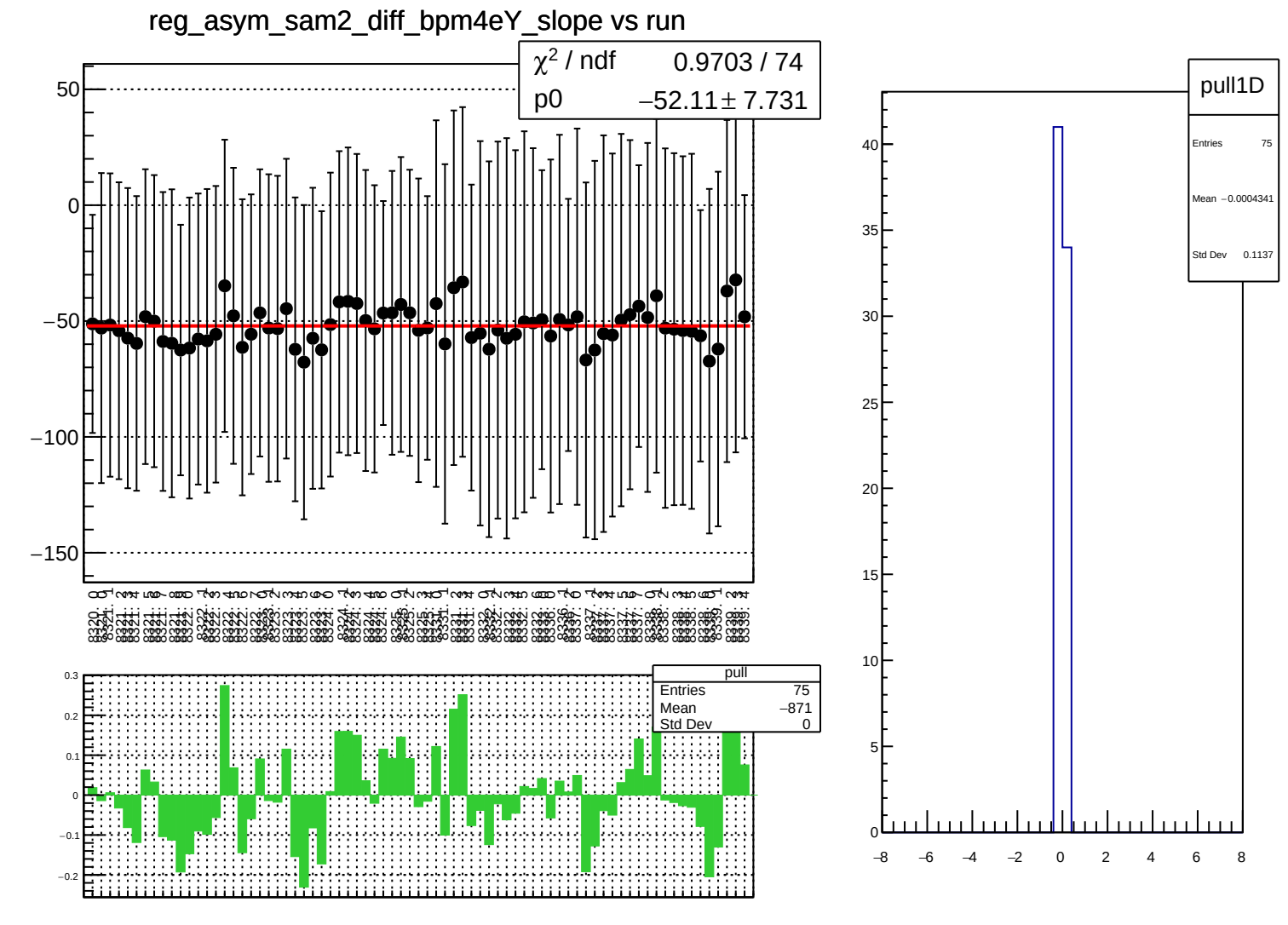

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 1.221 / 74
p0 −17.98 ± 3.888
pull
Entries 75
Mean 508.4
Std Dev 0

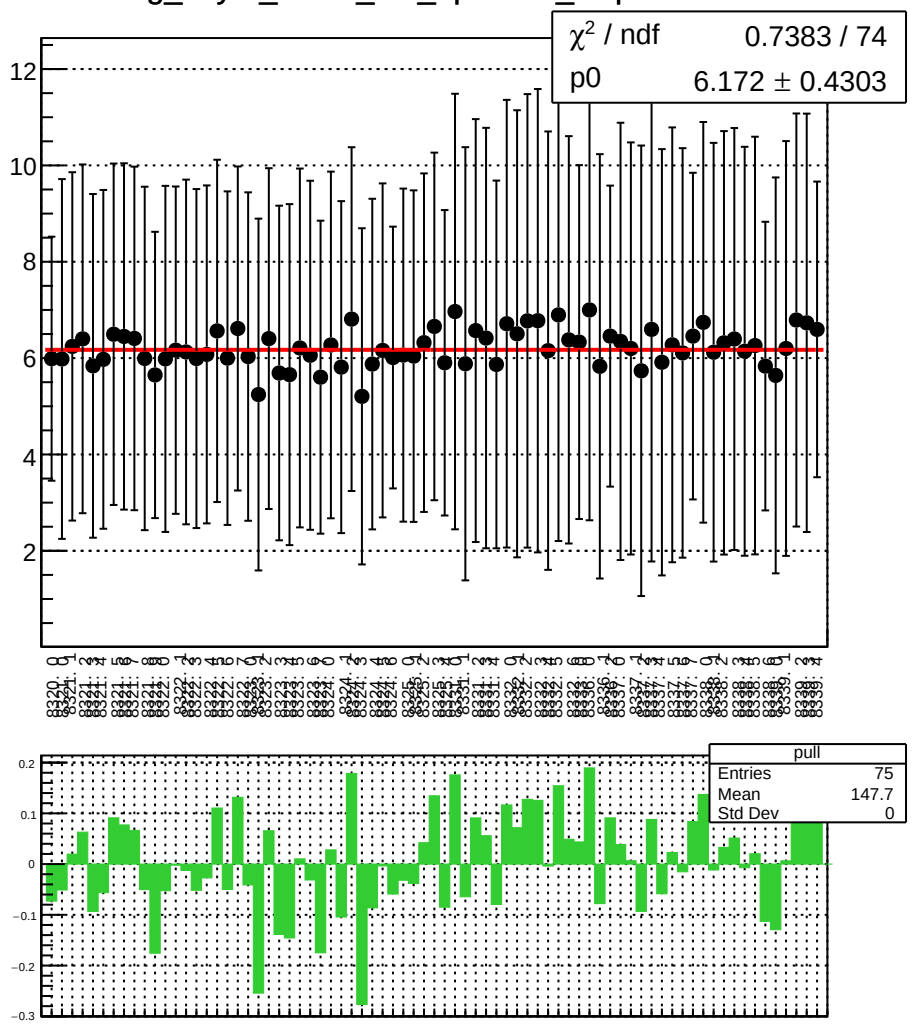

pull1D
Entries 75
Mean 0.003948
Std Dev 0.1275

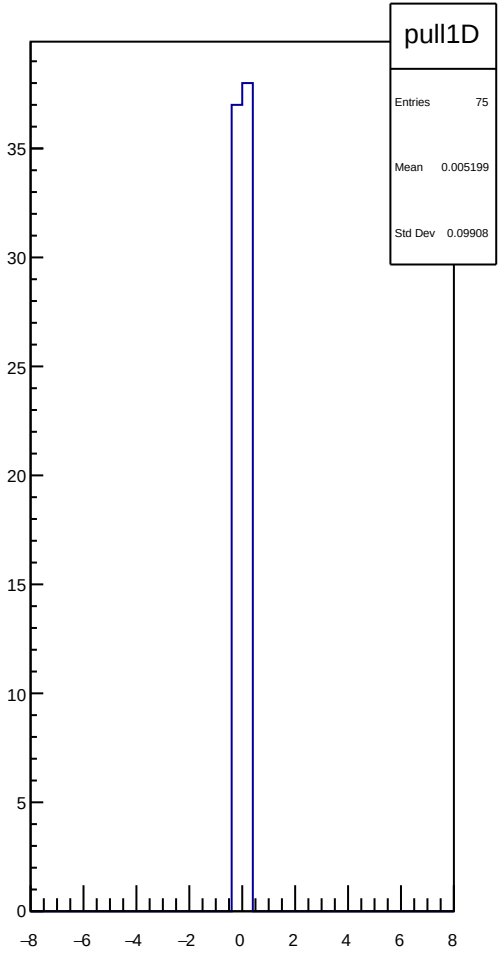

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.9462 / 74
p0 −140.1± 7.43
pull
Entries 75
Mean 1774
Std Dev 0
pull1D
Entries 75
Mean −0.0002969
Std Dev 0.1123

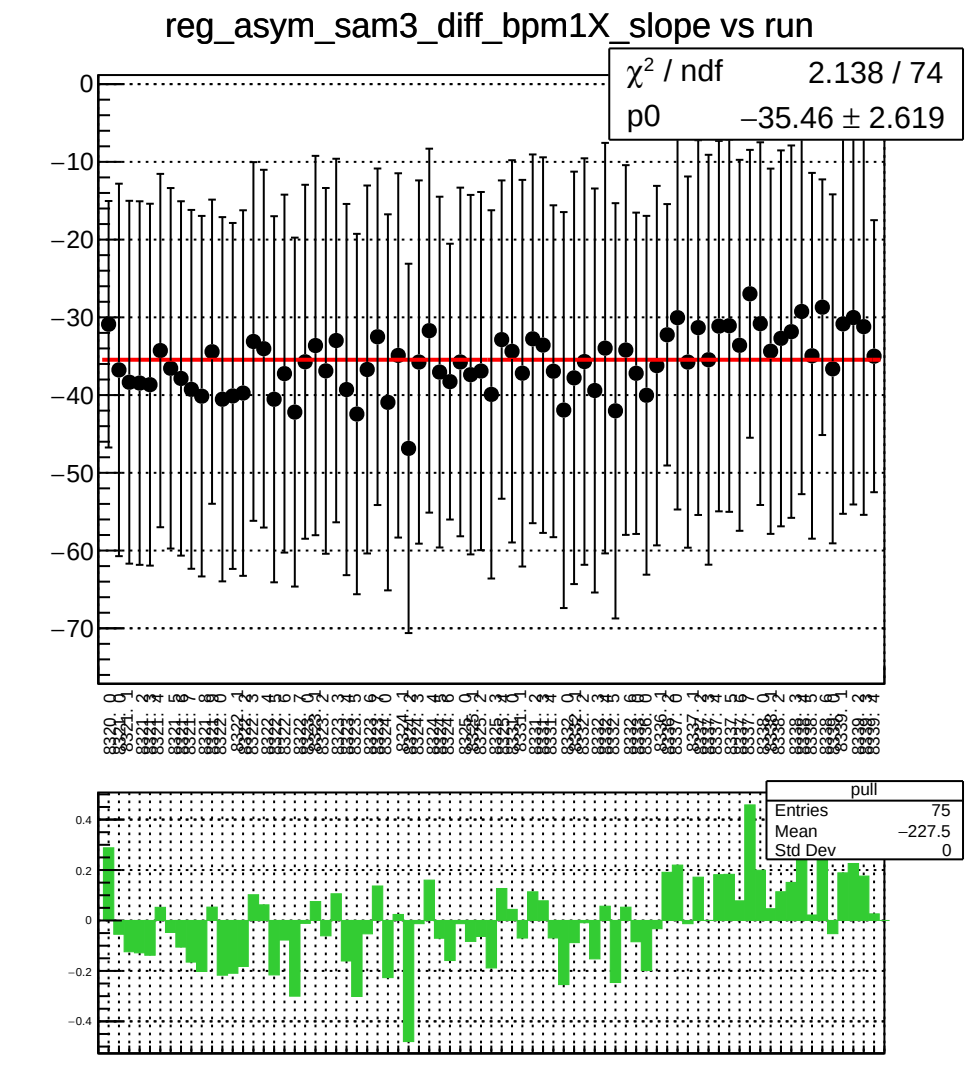

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.882 / 74
p0 −183.9 ± 4.432
pull
Entries 75
Mean 1148
Std Dev 0

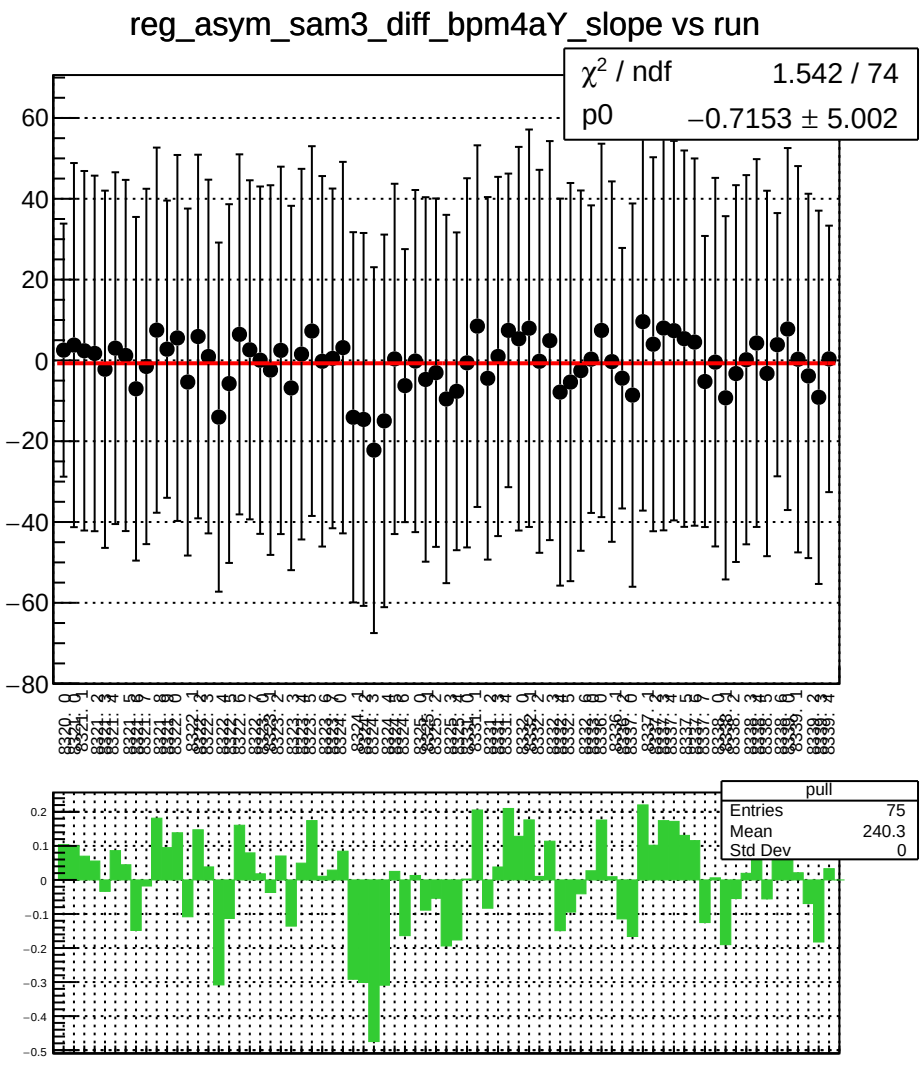

pull1D
Entries 75
Mean −0.001131
Std Dev 0.1084

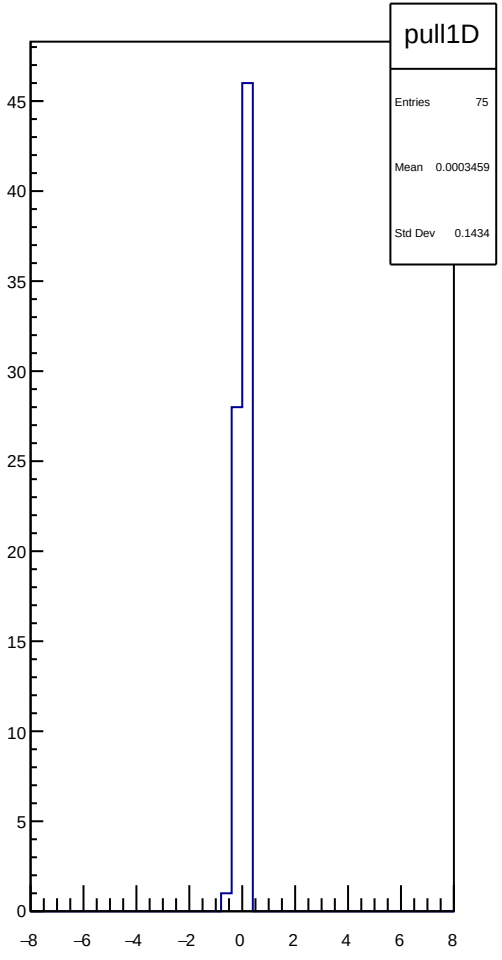

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 0.9703 / 74
p0 −52.11 ± 7.731
50
0
−50
−100
−150
pull
Entries 75
Mean −871
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 75
Mean −0.0004341
Std Dev 0.1137
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

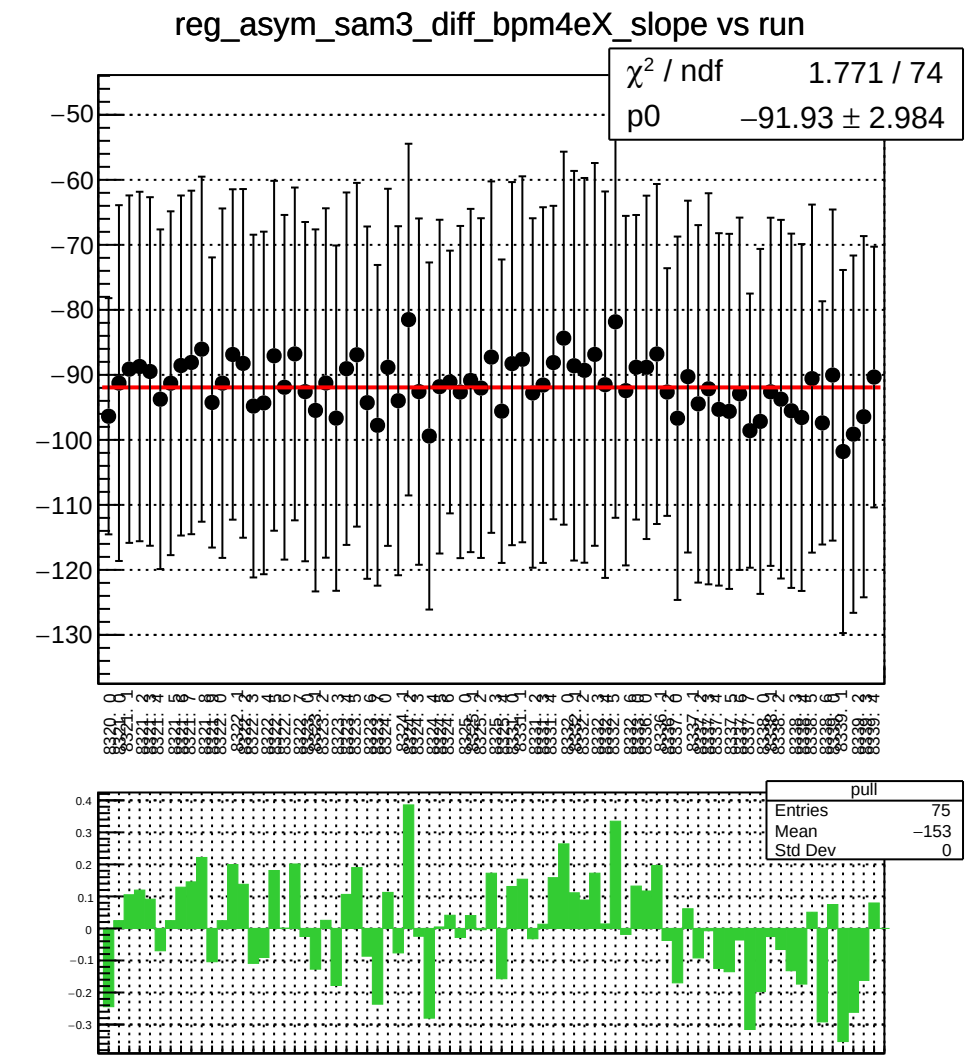

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.7383 / 74
p0 6.172 ± 0.4303
pull
Entries 75
Mean 147.7
Std Dev 0

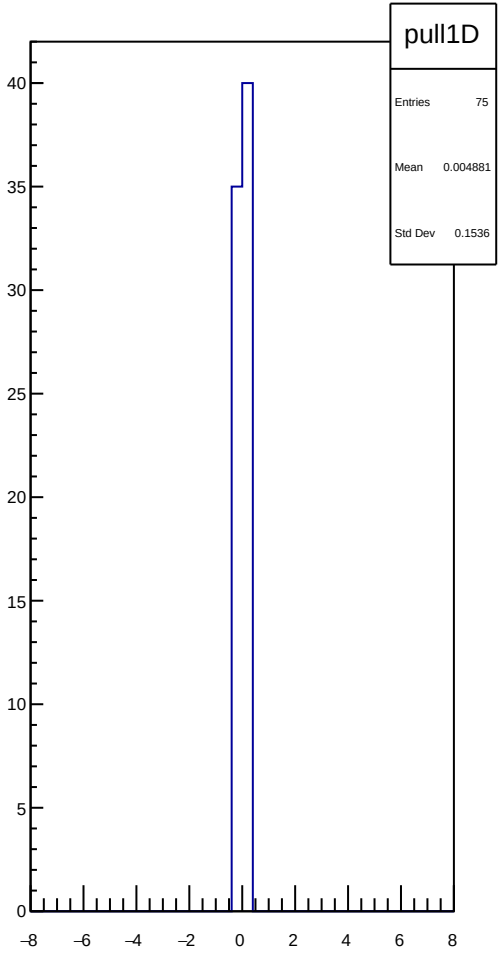

pull1D
Entries 75
Mean 0.005199
Std Dev 0.09908

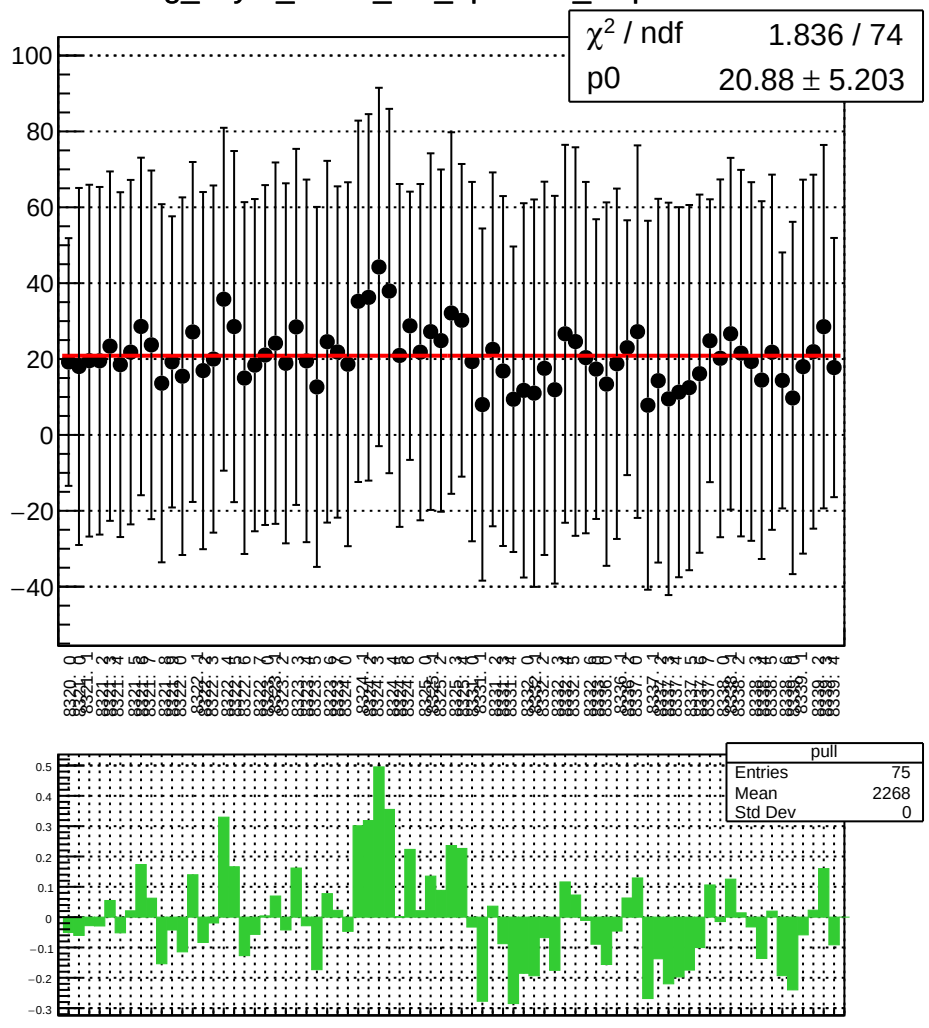

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 2.138 / 74
p0 −35.46 ± 2.619
pull
Entries 75
Mean −227.5
Std Dev 0
pull1D
Entries 75
Mean −0.006406
Std Dev 0.1687

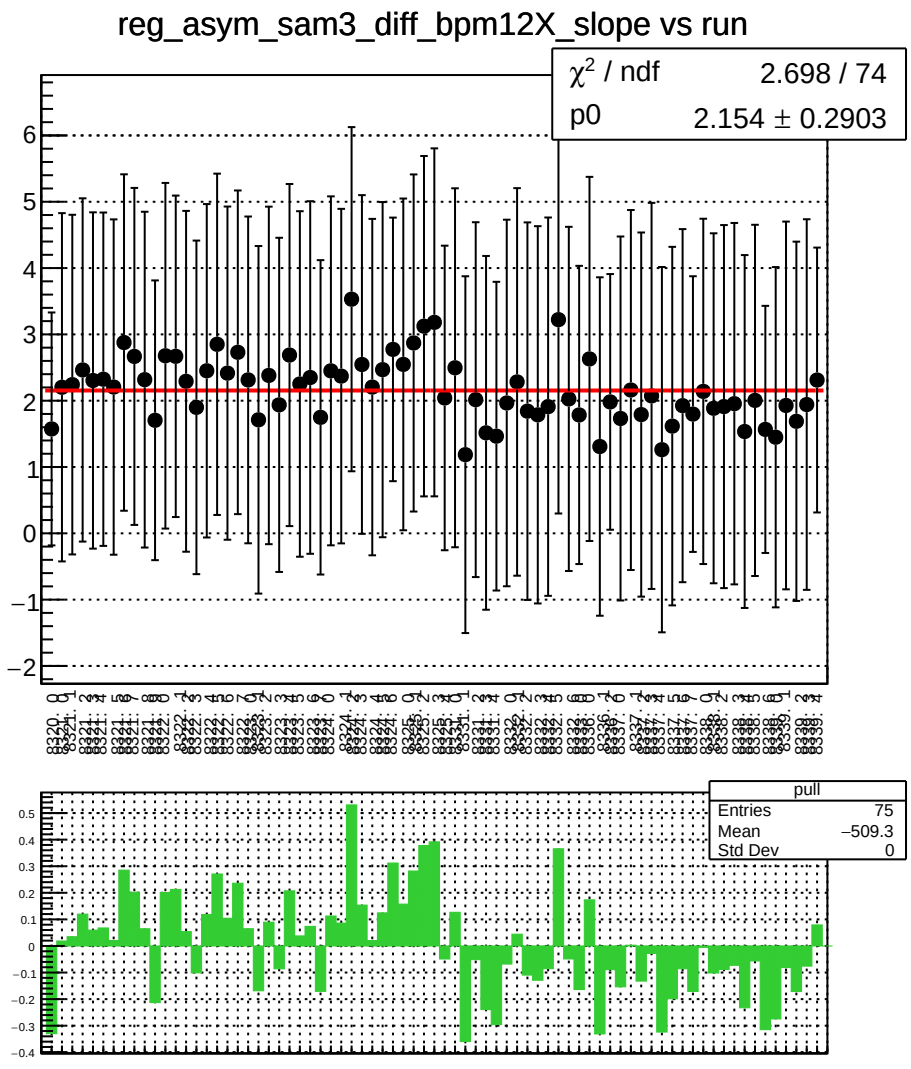

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.542 / 74
p0 −0.7153 ± 5.002
pull
Entries 75
Mean 240.3
Std Dev 0

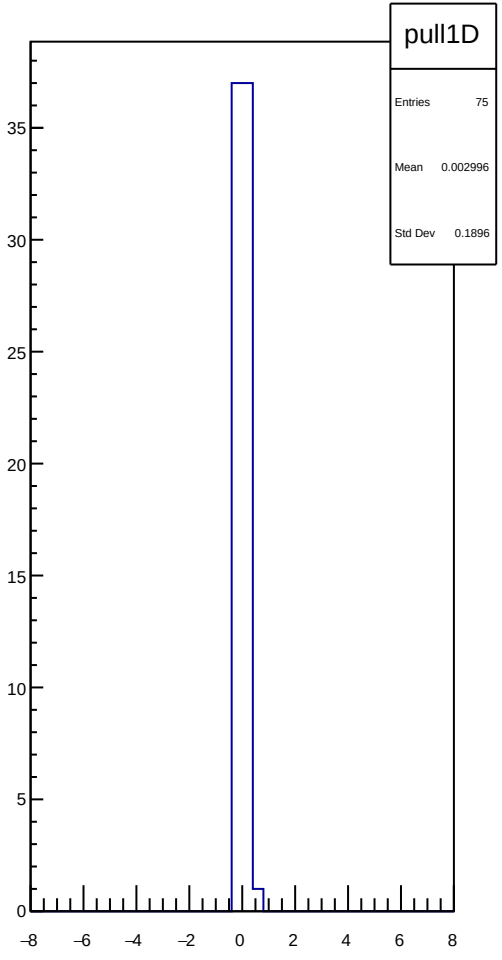

pull1D
Entries 75
Mean 0.0003459
Std Dev 0.1434

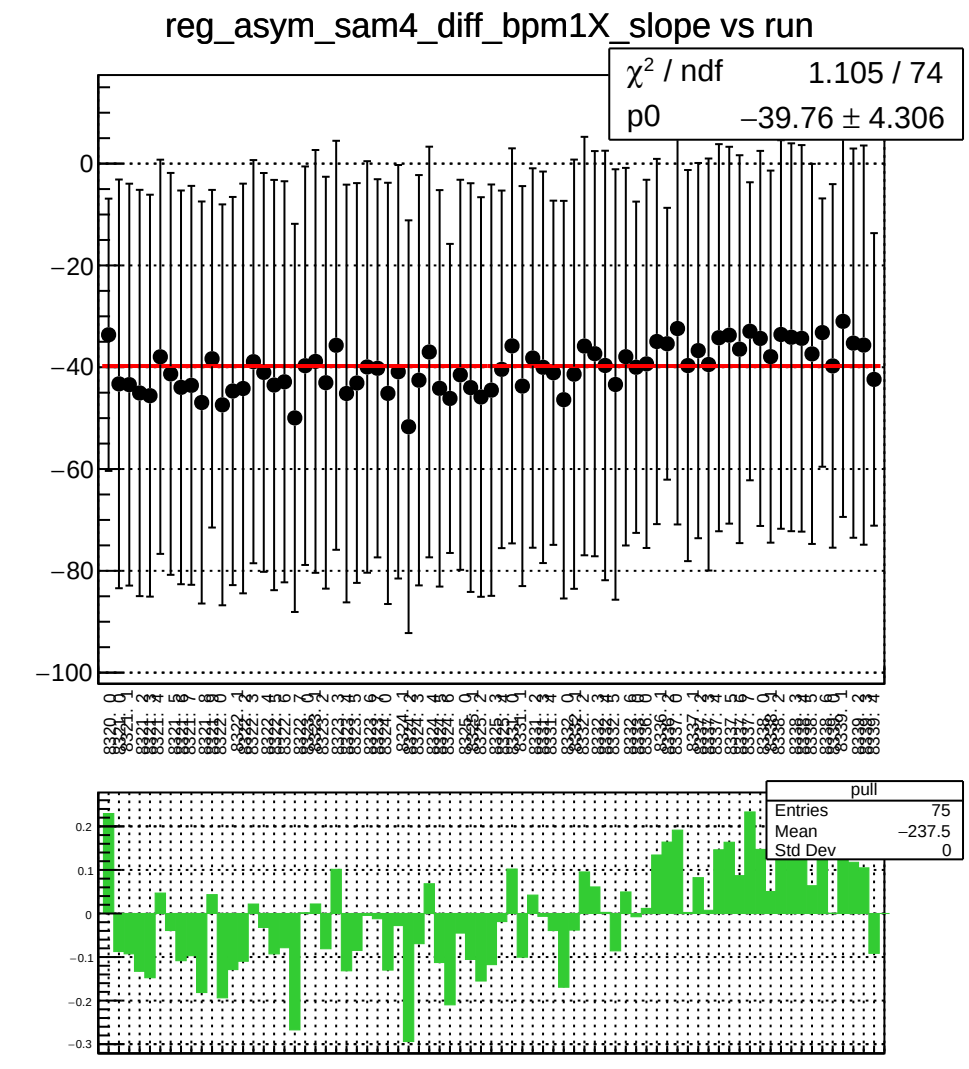

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.771 / 74
p0 −91.93 ± 2.984
pull
Entries 75
Mean −153
Std Dev 0

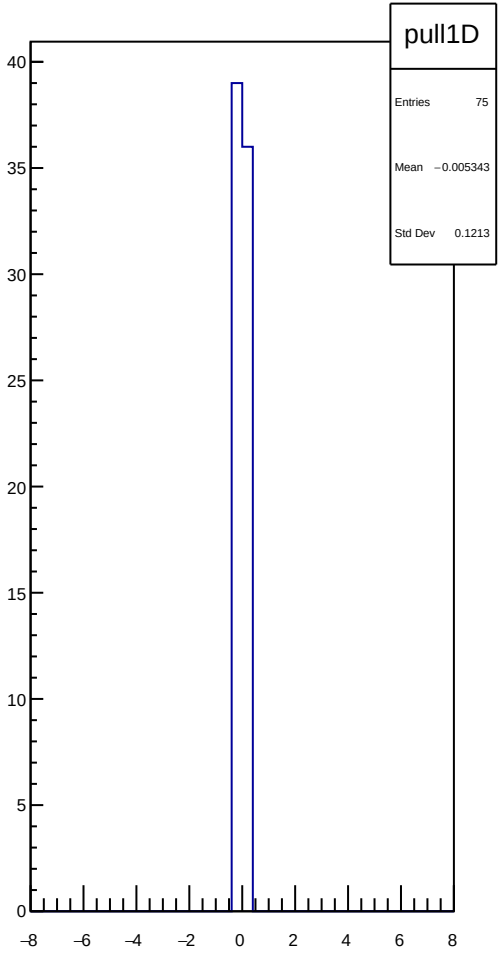

pull1D
Entries 75
Mean 0.004881
Std Dev 0.1536

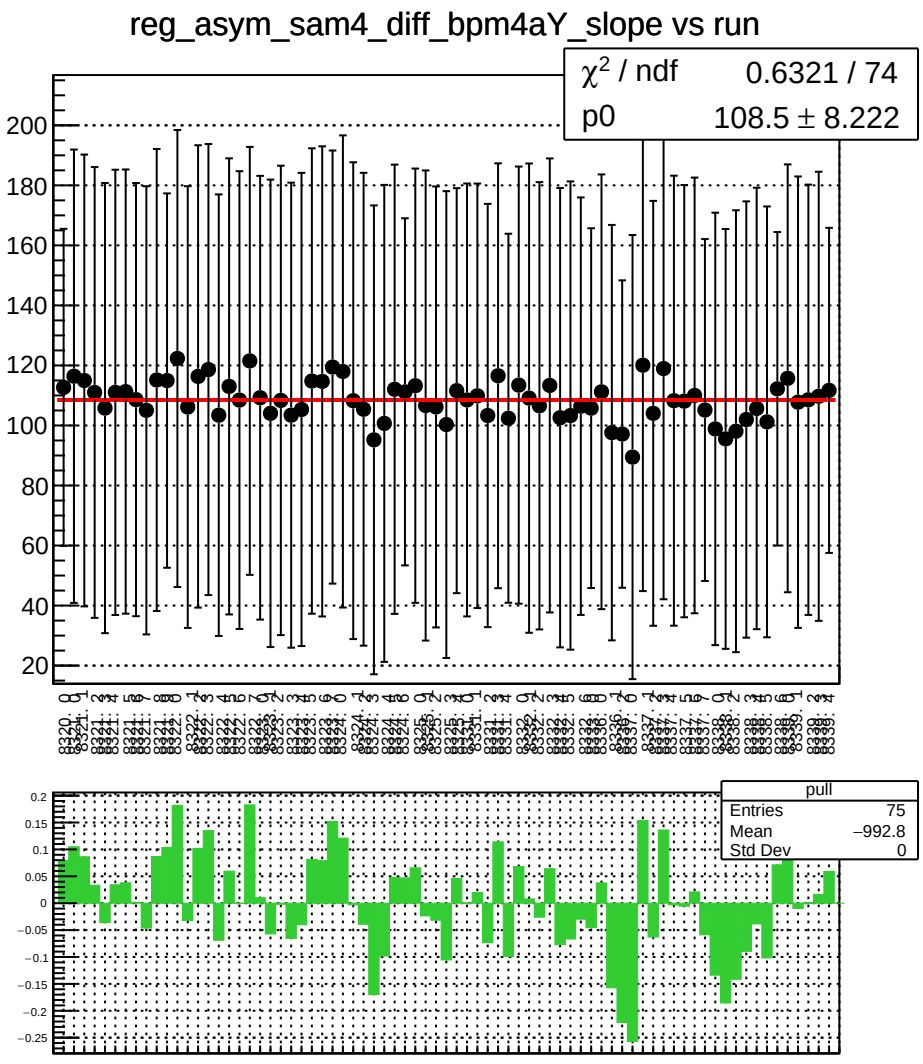

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 1.836 / 74
p0 20.88 ± 5.203
pull
Entries 75
Mean 2268
Std Dev 0
pull1D
Entries 75
Mean −0.0003352
Std Dev 0.1565

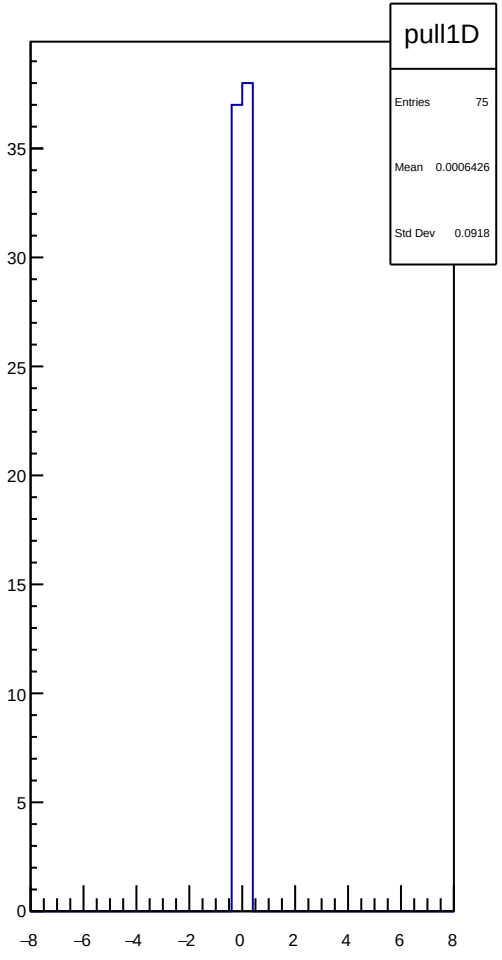

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.698 / 74
p0 2.154 ± 0.2903
pull
Entries 75
Mean −509.3
Std Dev 0

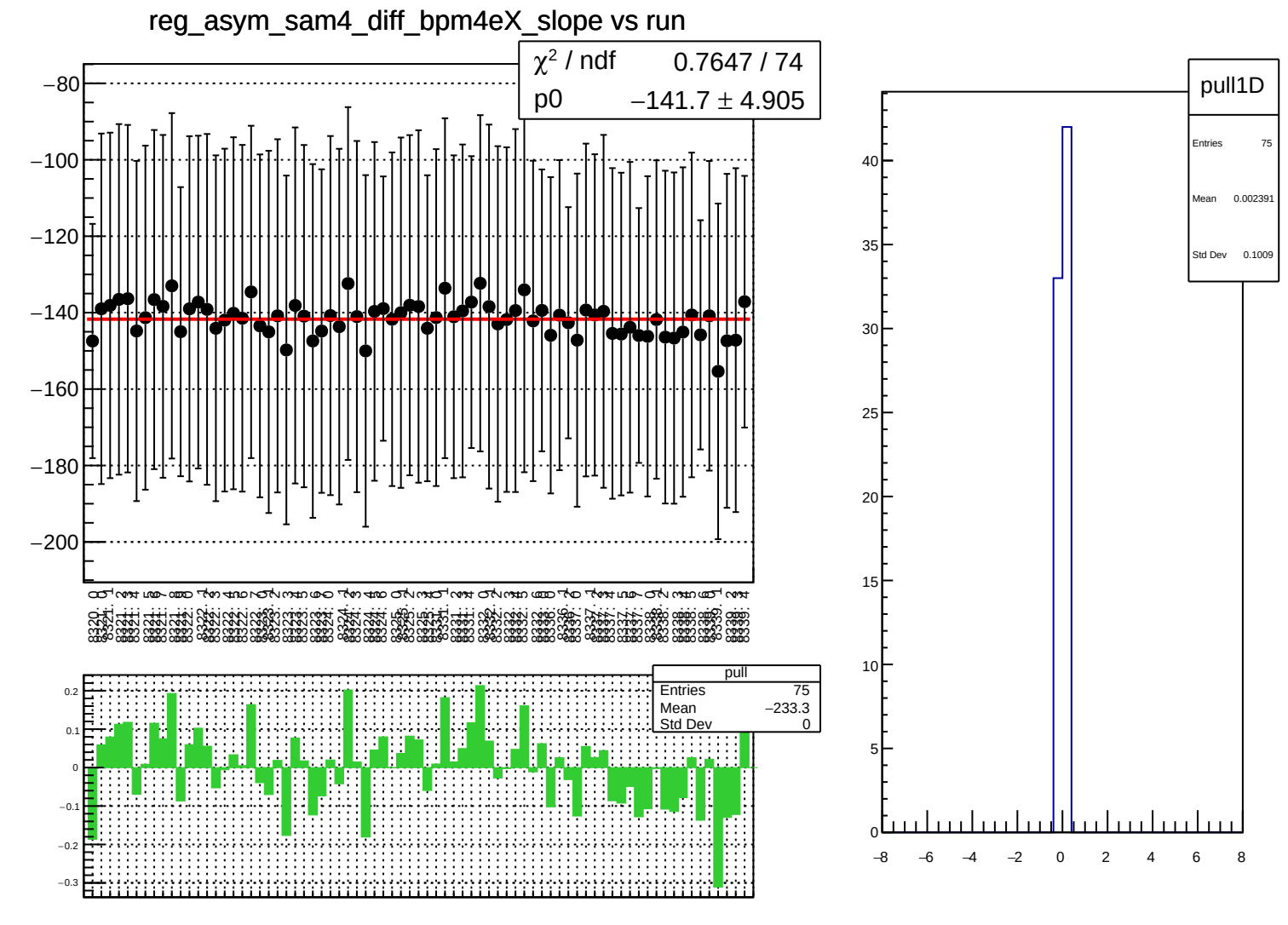

pull1D
Entries 75
Mean 0.002996
Std Dev 0.1896

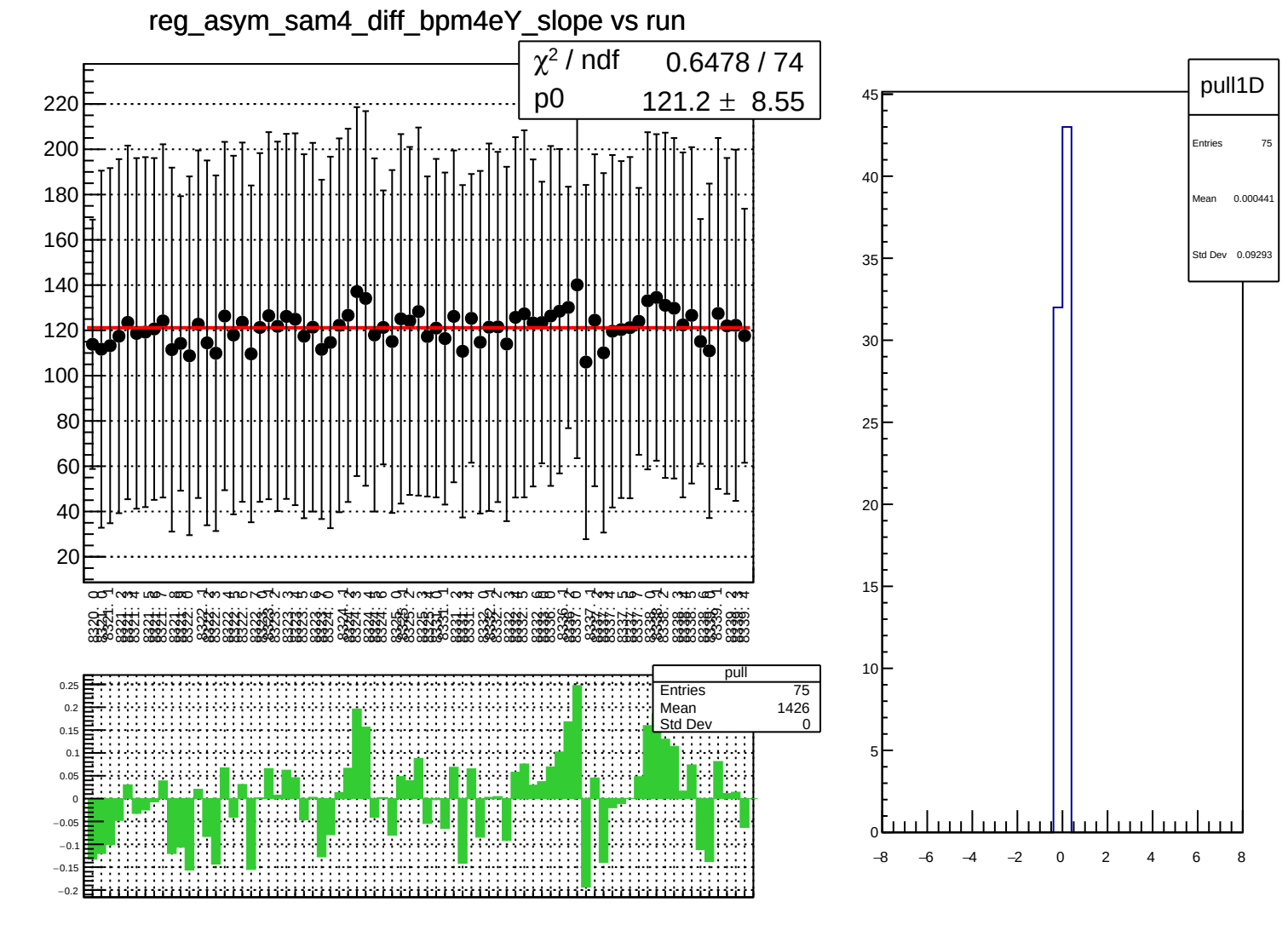

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.105 / 74
p0 −39.76 ± 4.306
pull
Entries 75
Mean −237.5
Std Dev 0

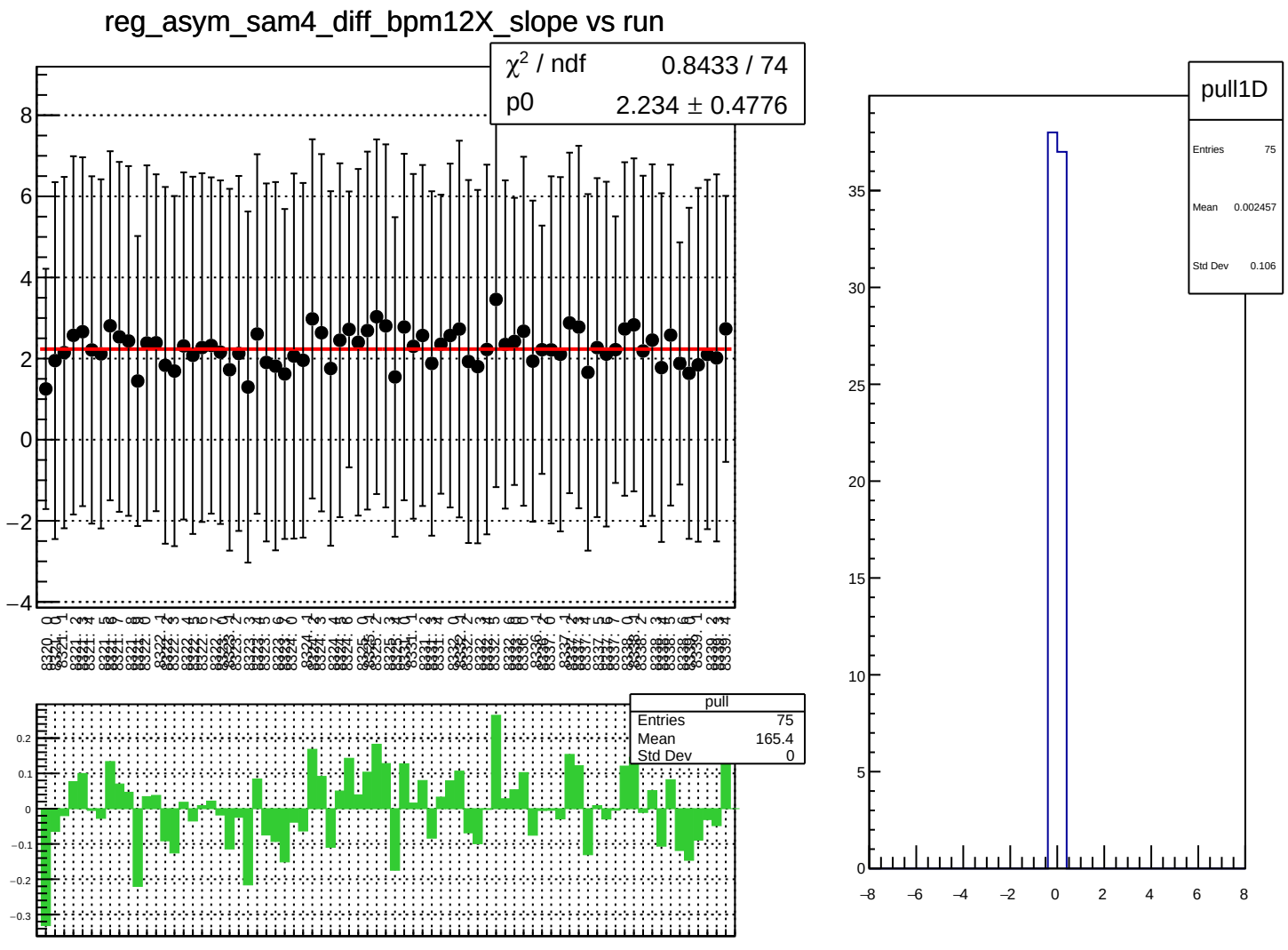

pull1D
Entries 75
Mean −0.005343
Std Dev 0.1213

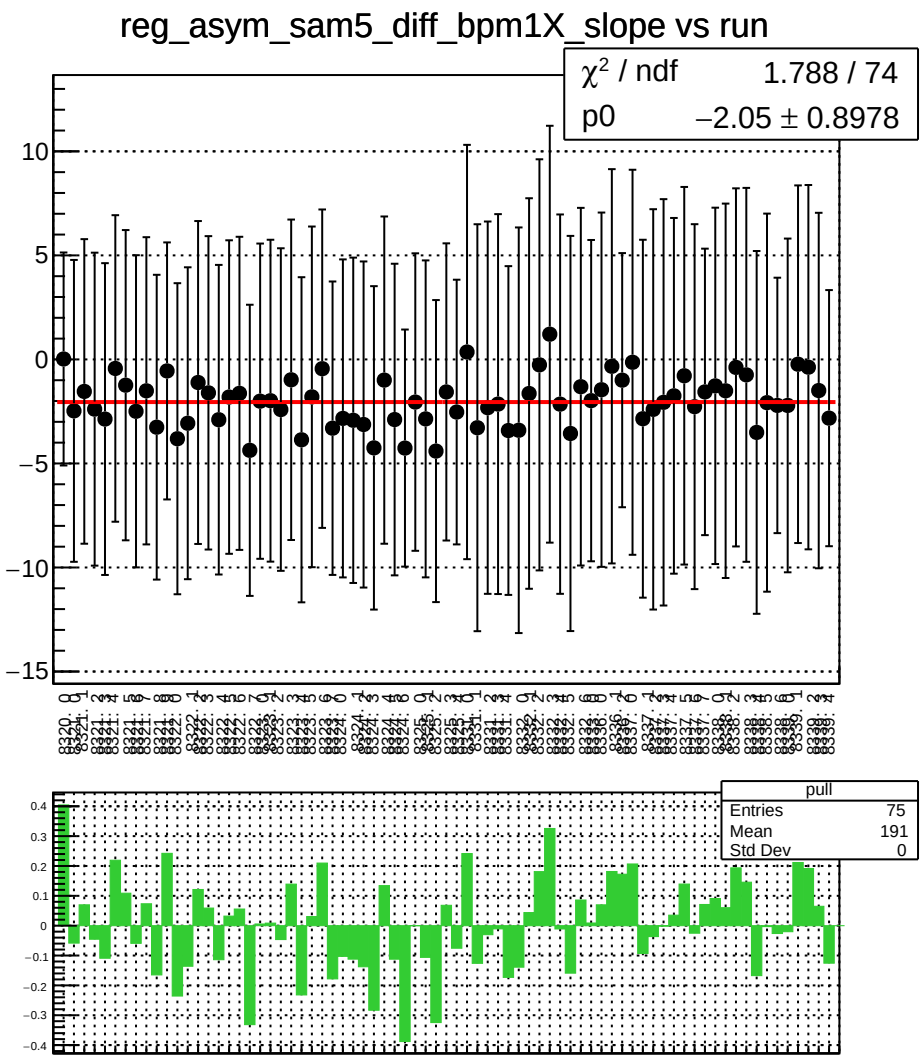

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 0.6321 / 74
p0 108.5 ± 8.222
pull
Entries 75
Mean −992.8
Std Dev 0

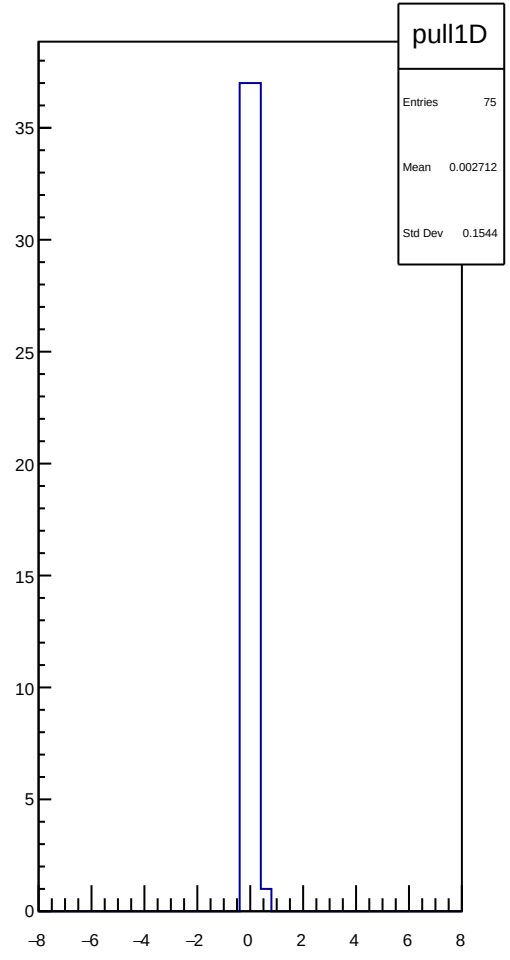

pull1D
Entries 75
Mean 0.0006426
Std Dev 0.0918

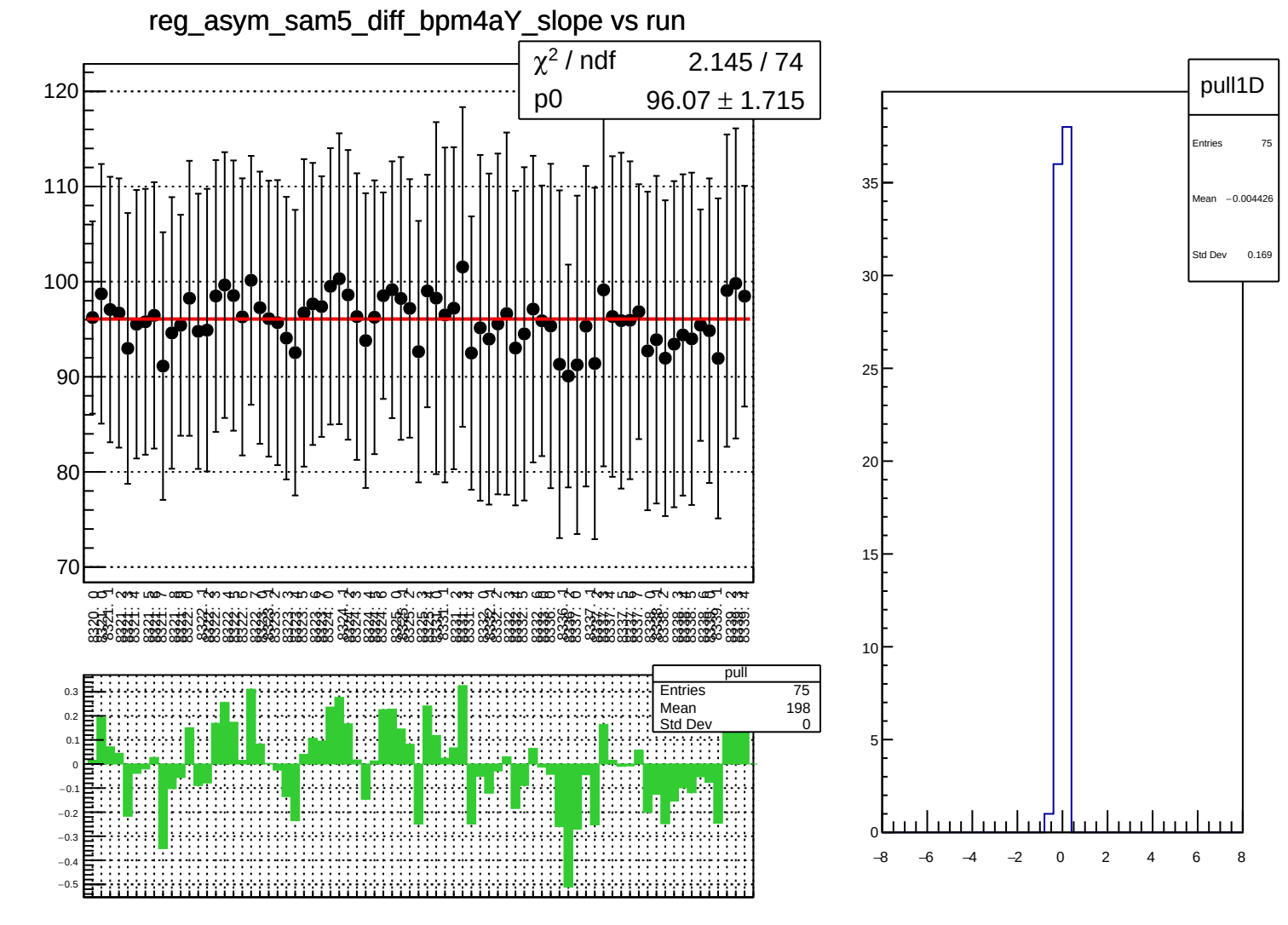

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 0.7647 / 74
p0 −141.7 ± 4.905
pull
Entries 75
Mean −233.3
Std Dev 0
pull1D
Entries 75
Mean 0.002391
Std Dev 0.1009

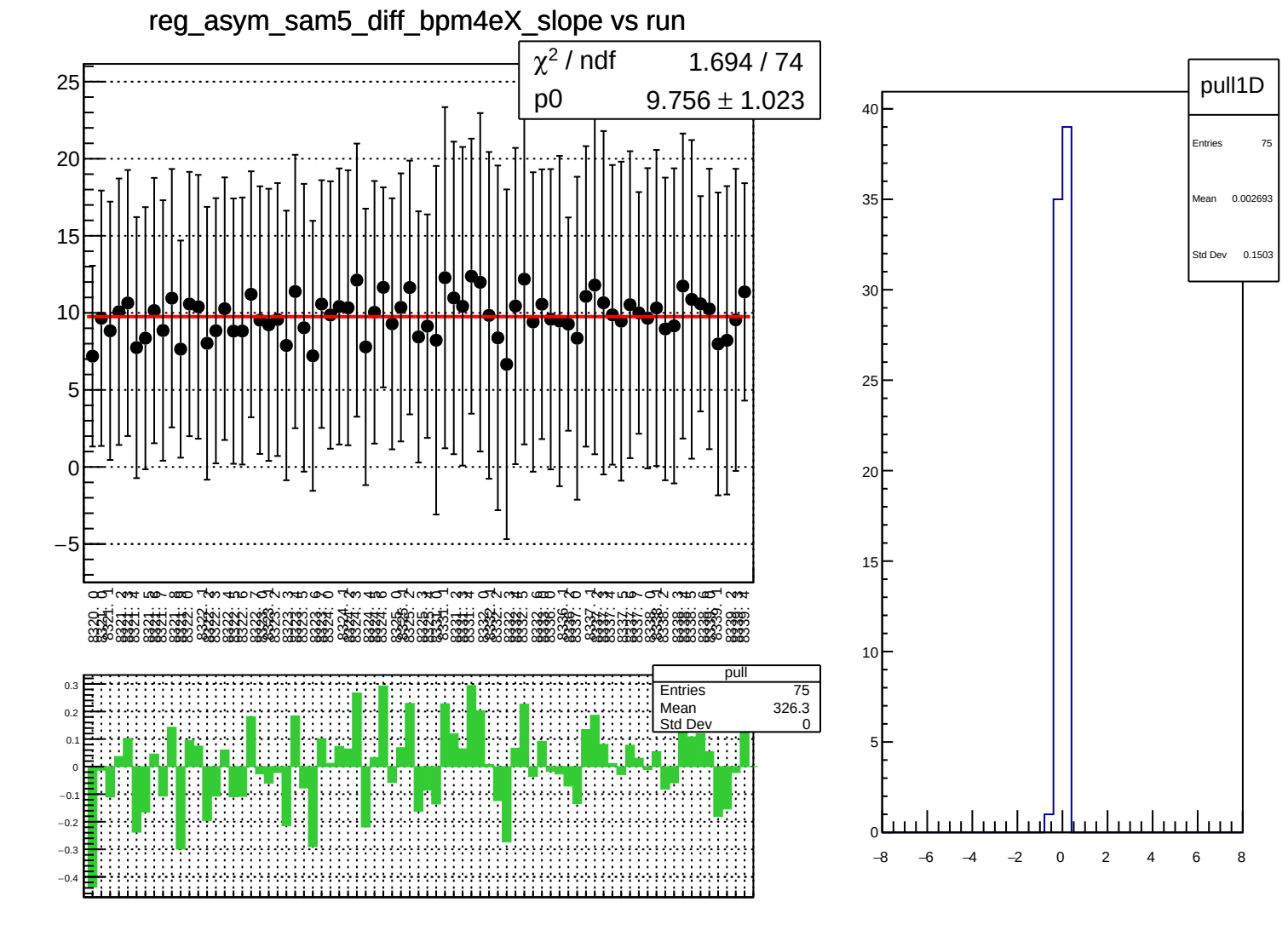

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 0.6478 / 74
p0 121.2 ± 8.55
pull
Entries 75
Mean 1426
Std Dev 0
pull1D
Entries 75
Mean 0.000441
Std Dev 0.09293

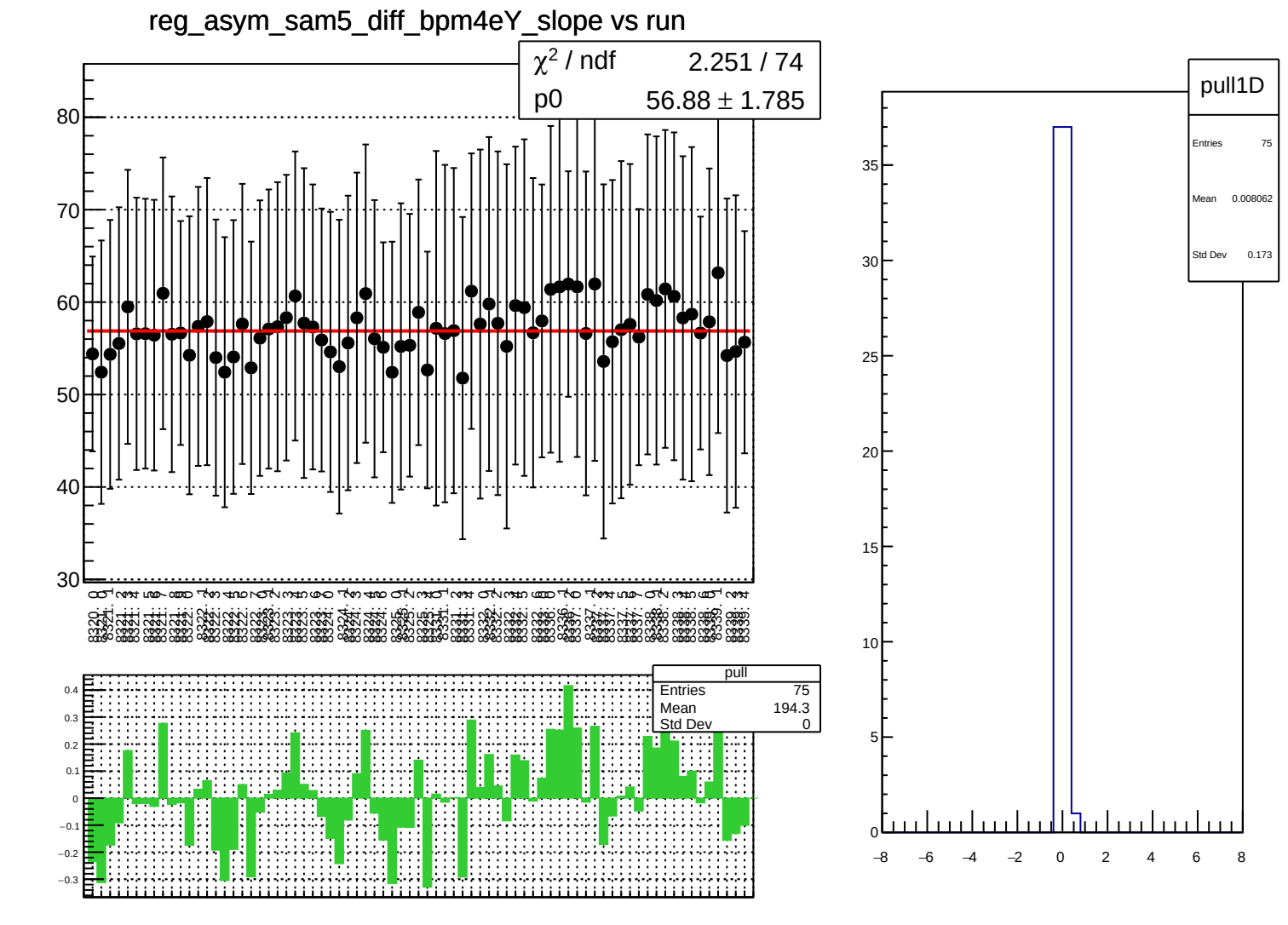

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 0.8433 / 74
p0 2.234 ± 0.4776
pull
Entries 75
Mean 165.4
Std Dev 0
pull1D
Entries 75
Mean 0.002457
Std Dev 0.106

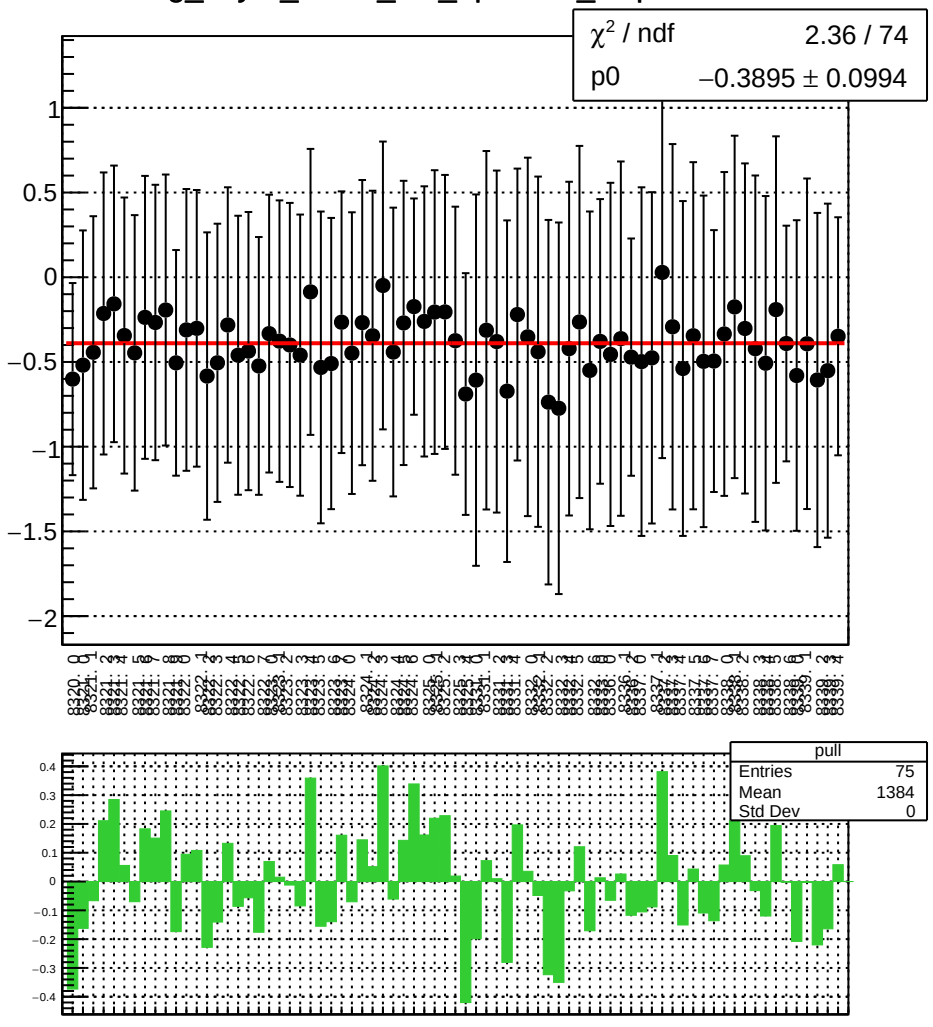

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 1.788 / 74
p0 −2.05 ± 0.8978
pull
Entries 75
Mean 191
Std Dev 0

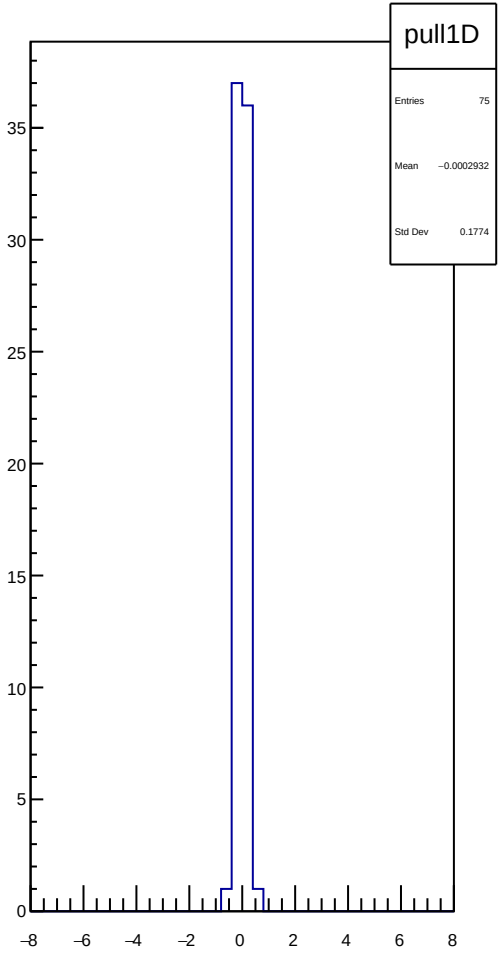

pull1D
Entries 75
Mean 0.002712
Std Dev 0.1544

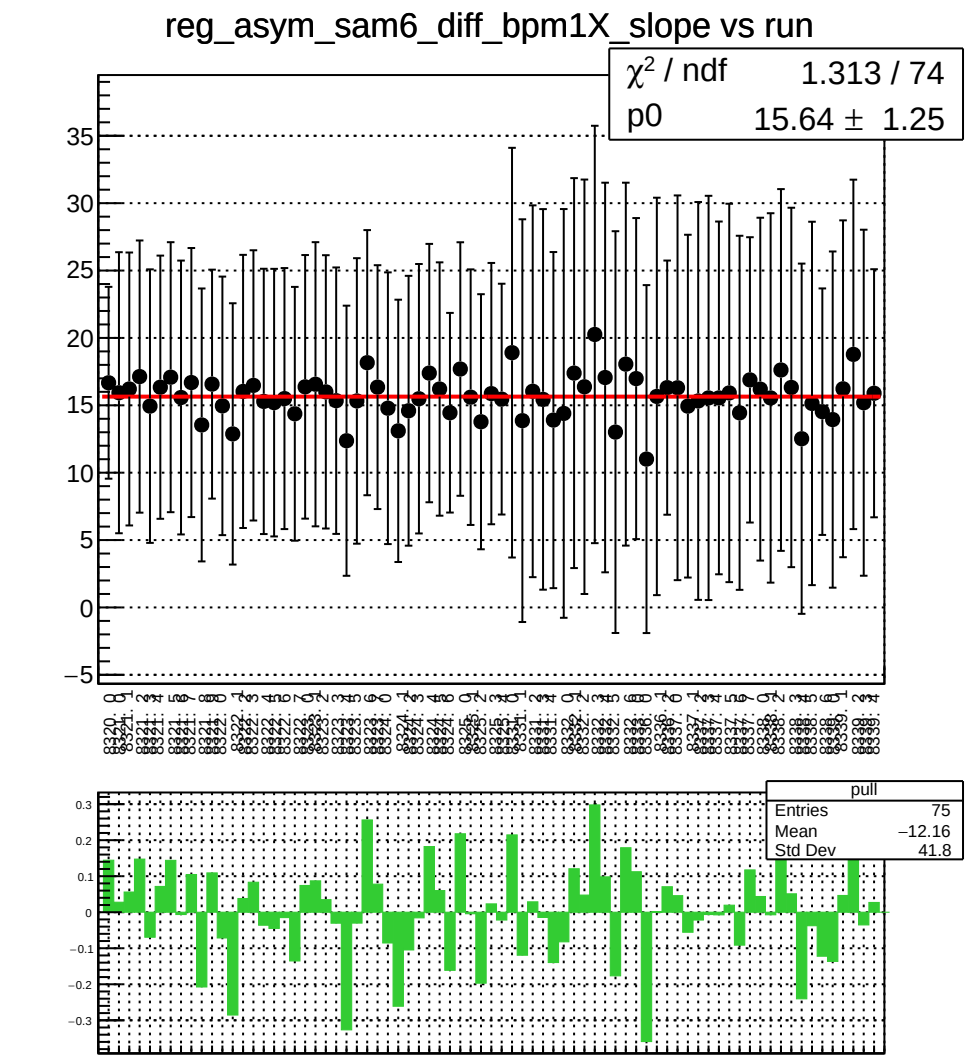

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 2.145 / 74
p0 96.07 ± 1.715
pull
Entries 75
Mean 198
Std Dev 0
pull1D
Entries 75
Mean −0.004426
Std Dev 0.169

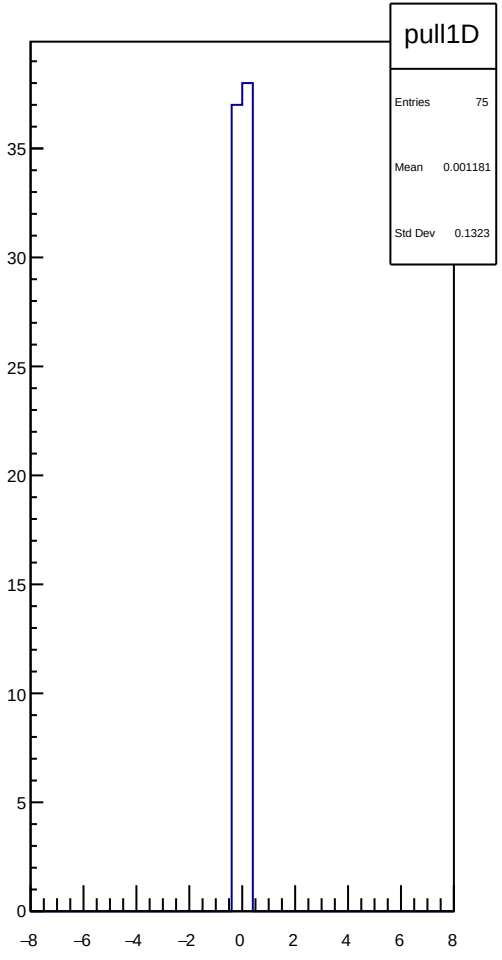

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.694 / 74
p0 9.756 ± 1.023
pull
Entries 75
Mean 326.3
Std Dev 0
pull1D
Entries 75
Mean 0.002693
Std Dev 0.1503

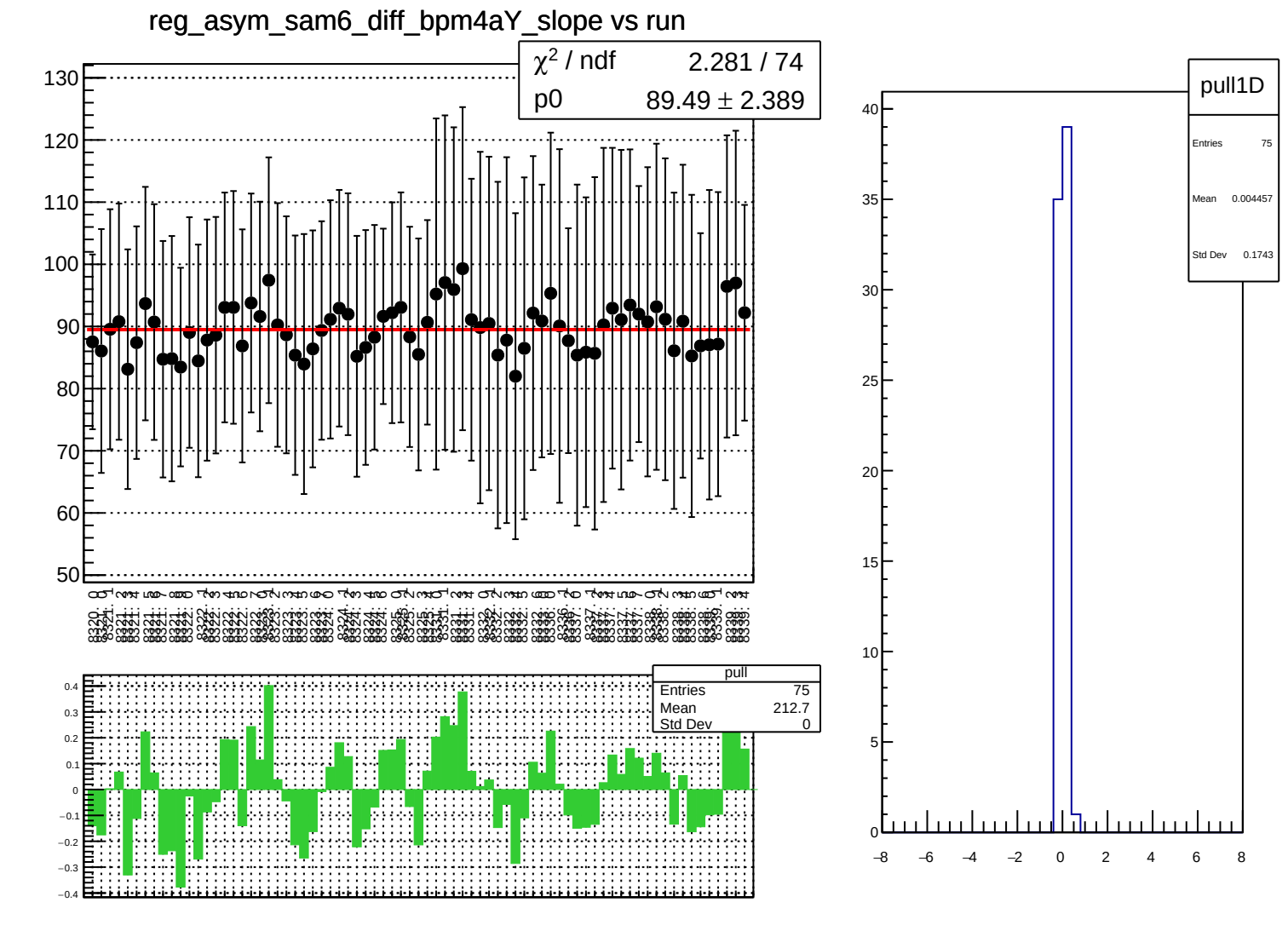

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 2.251 / 74
p0 56.88 ± 1.785
pull
Entries 75
Mean 194.3
Std Dev 0
pull1D
Entries 75
Mean 0.008062
Std Dev 0.173

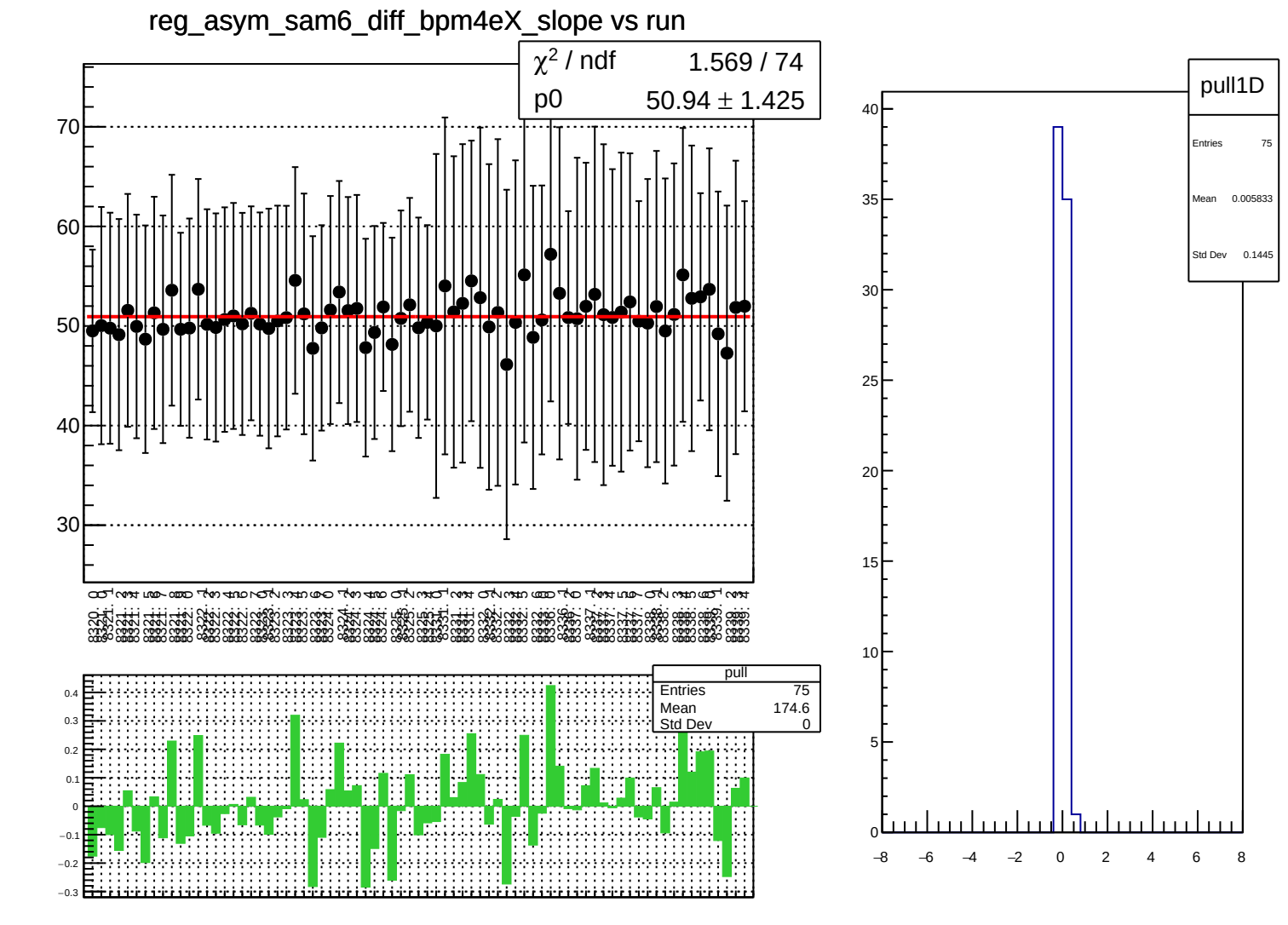

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.36 / 74
p0 −0.3895 ± 0.0994
pull
Entries 75
Mean 1384
Std Dev 0

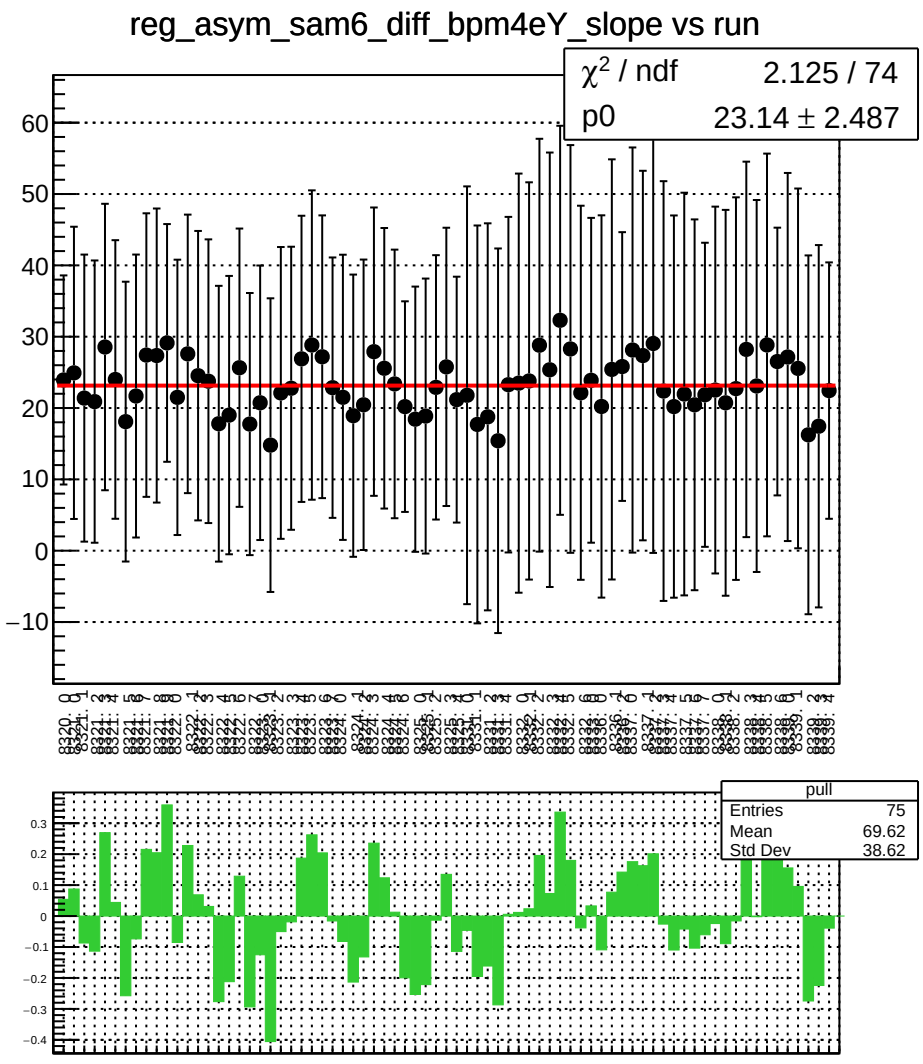

pull1D
Entries 75
Mean −0.0002932
Std Dev 0.1774

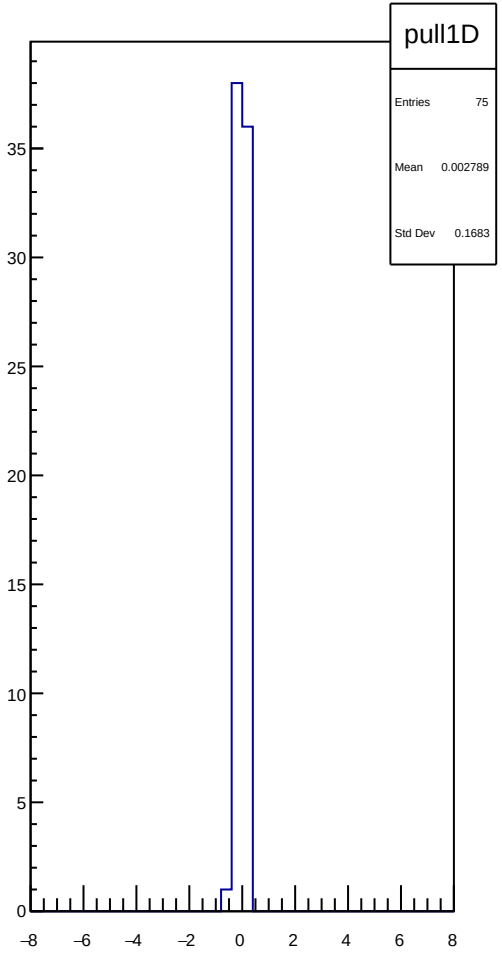

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 1.313 / 74
p0 15.64 ± 1.25
pull
Entries 75
Mean −12.16
Std Dev 41.8

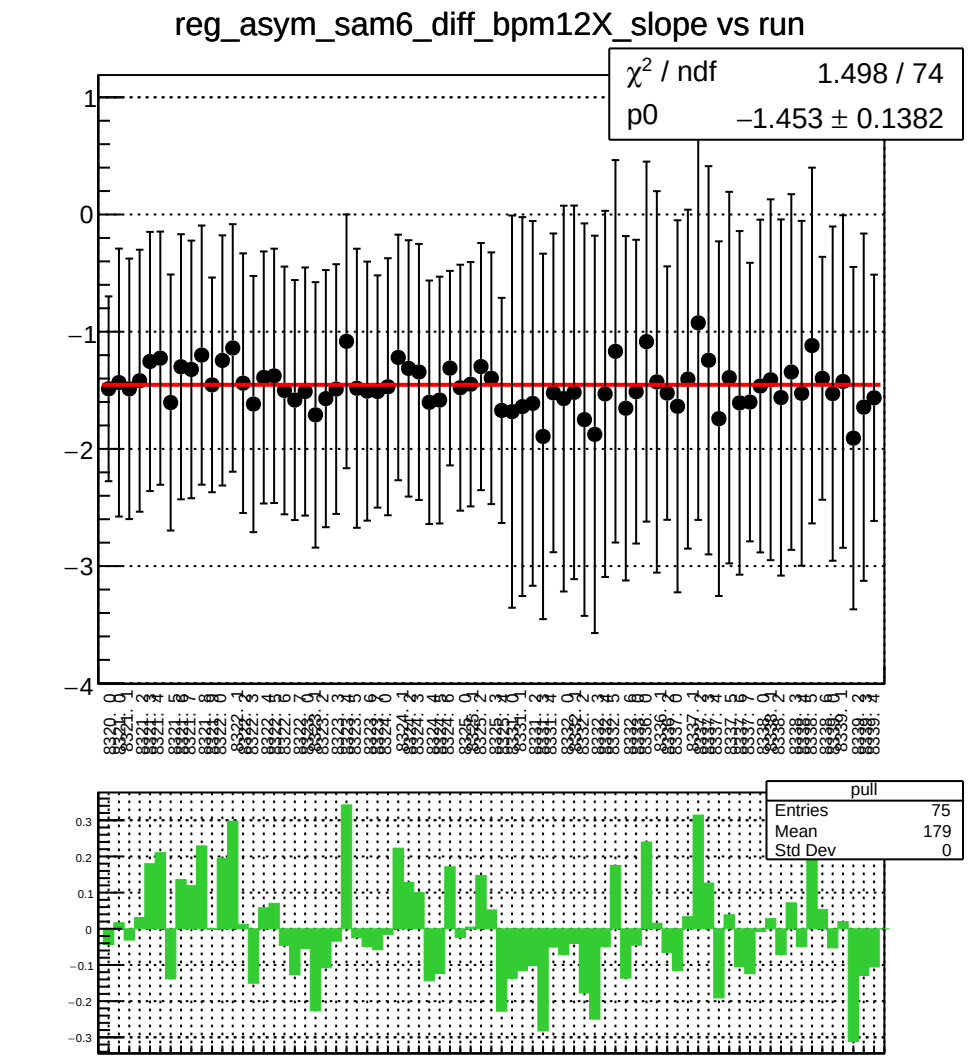

pull1D
Entries 75
Mean 0.001181
Std Dev 0.1323

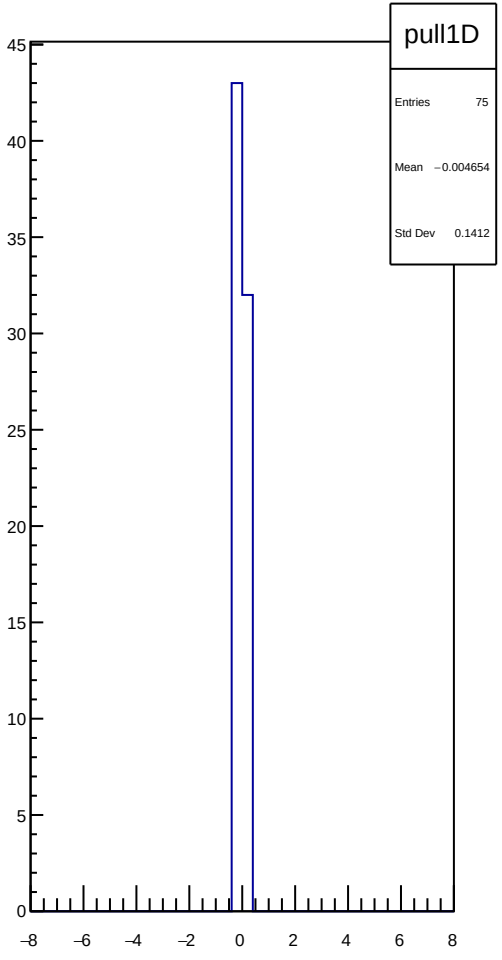

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 2.281 / 74
p0 89.49 ± 2.389
pull
Entries 75
Mean 212.7
Std Dev 0
pull1D
Entries 75
Mean 0.004457
Std Dev 0.1743

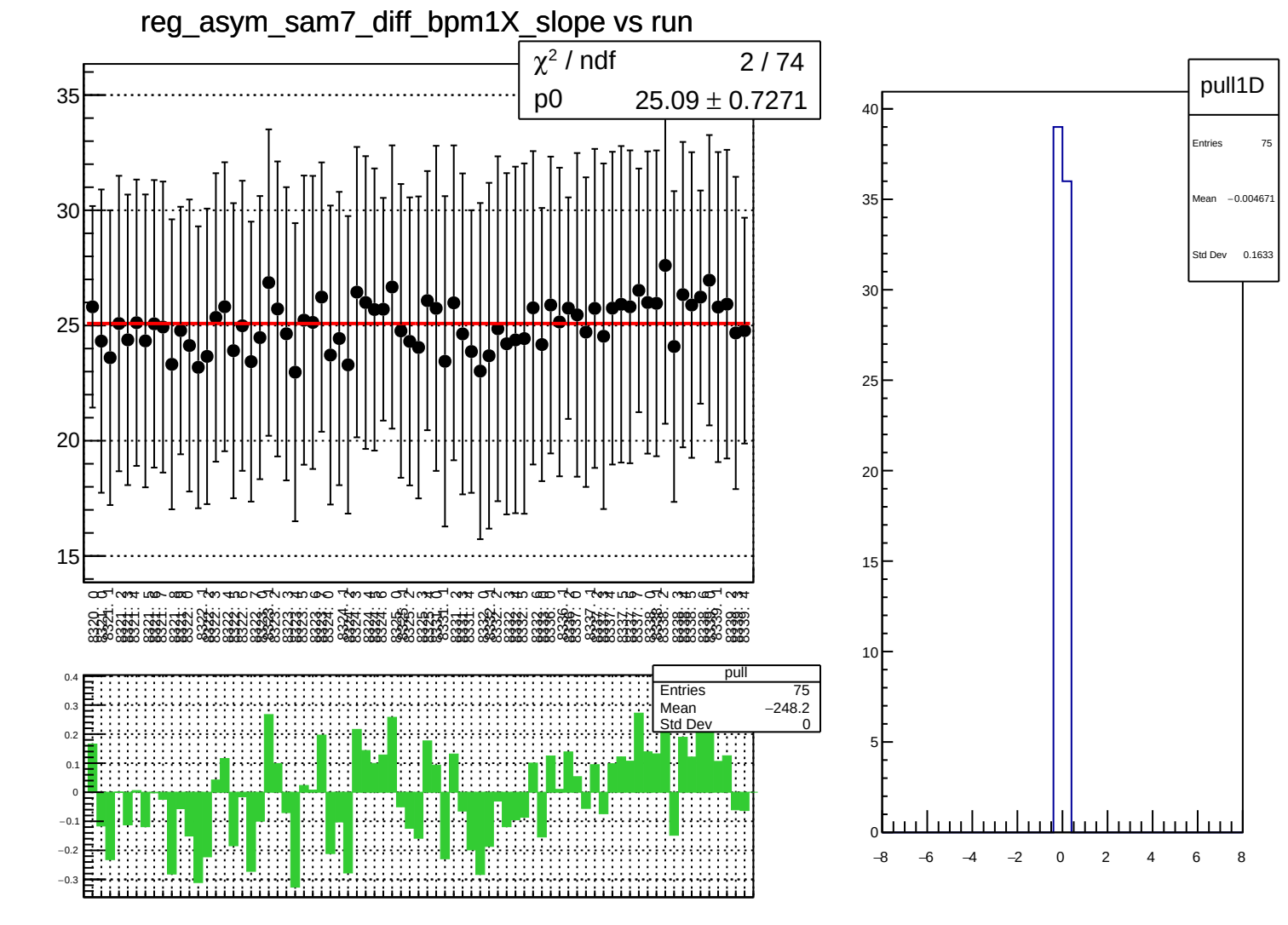

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.569 / 74
p0 50.94 ± 1.425
pull
Entries 75
Mean 174.6
Std Dev 0
pull1D
Entries 75
Mean 0.005833
Std Dev 0.1445

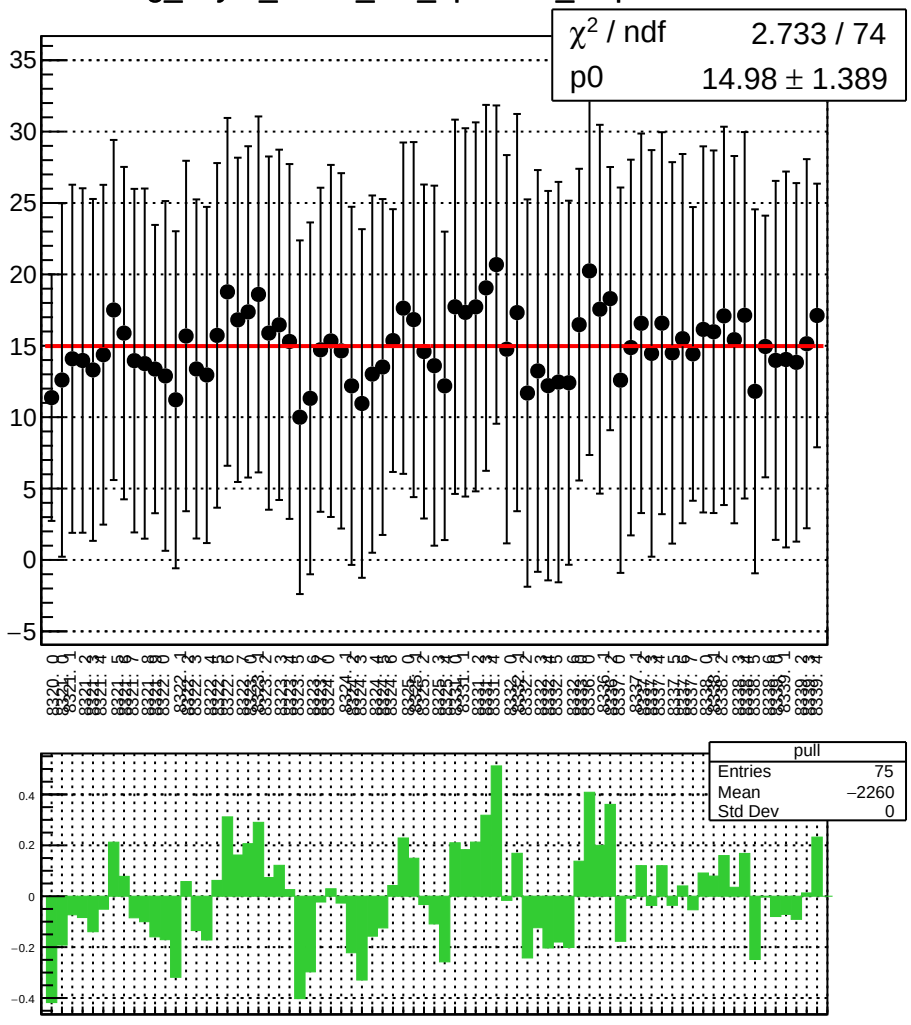

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 2.125 / 74
p0 23.14 ± 2.487
pull
Entries 75
Mean 69.62
Std Dev 38.62

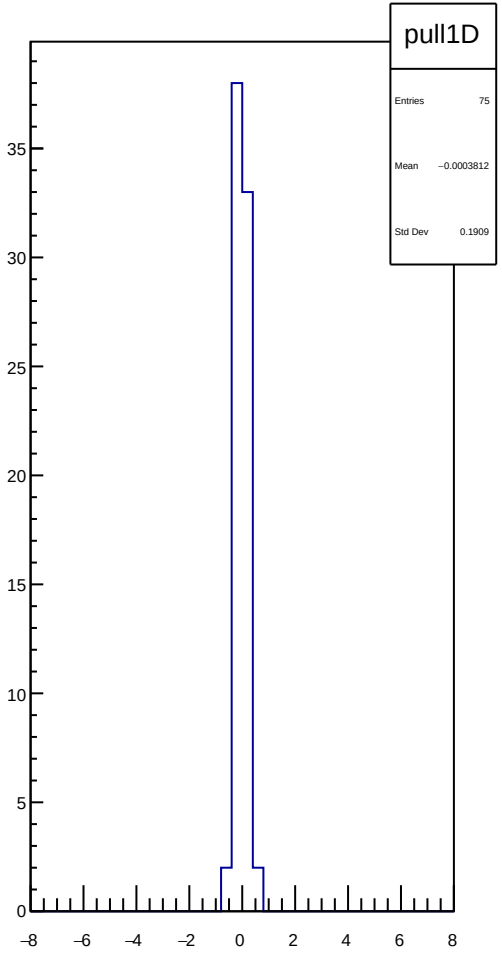

pull1D
Entries 75
Mean 0.002789
Std Dev 0.1683

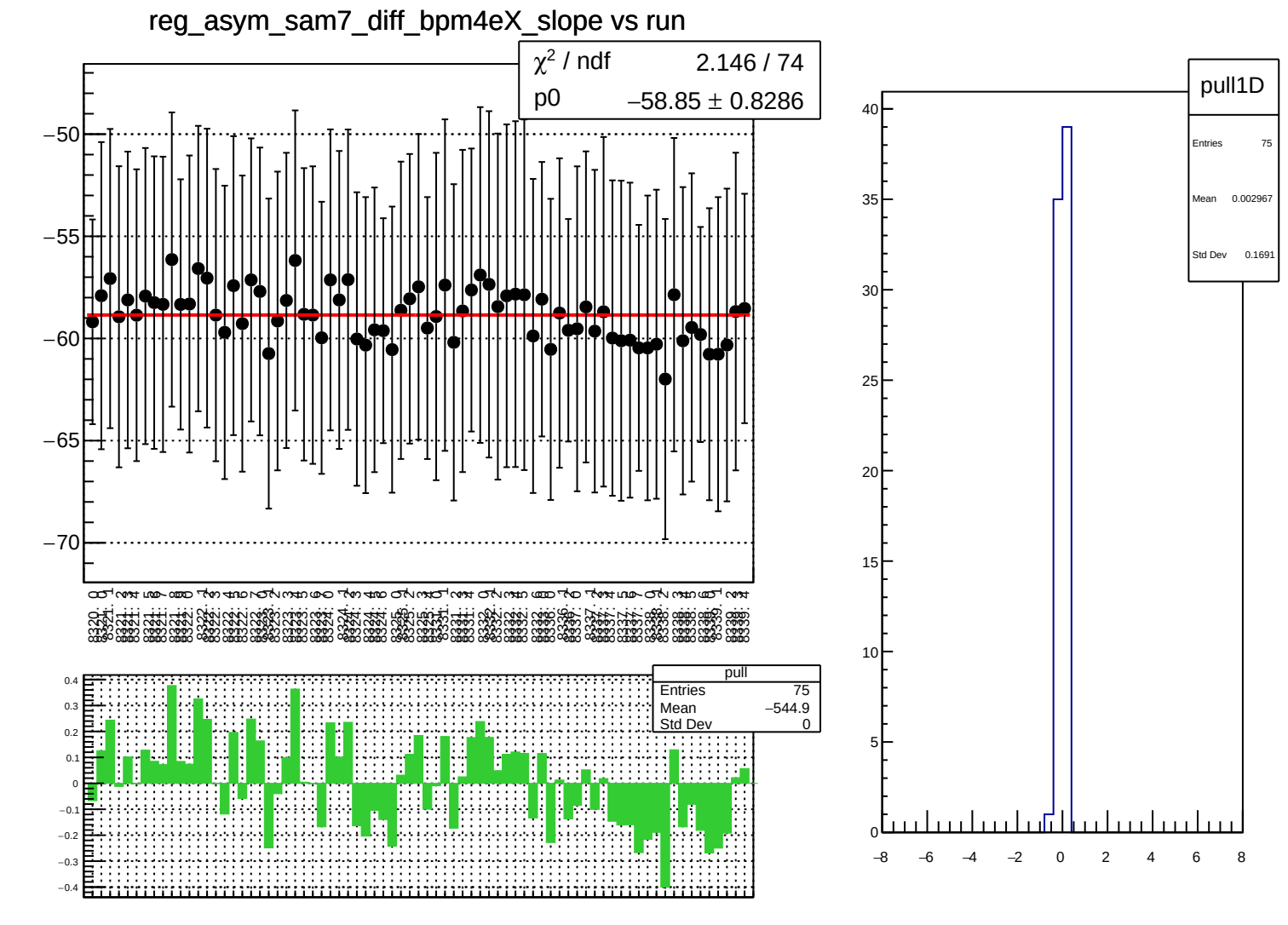

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 1.498 / 74
p0 −1.453 ± 0.1382
pull
Entries 75
Mean 179
Std Dev 0

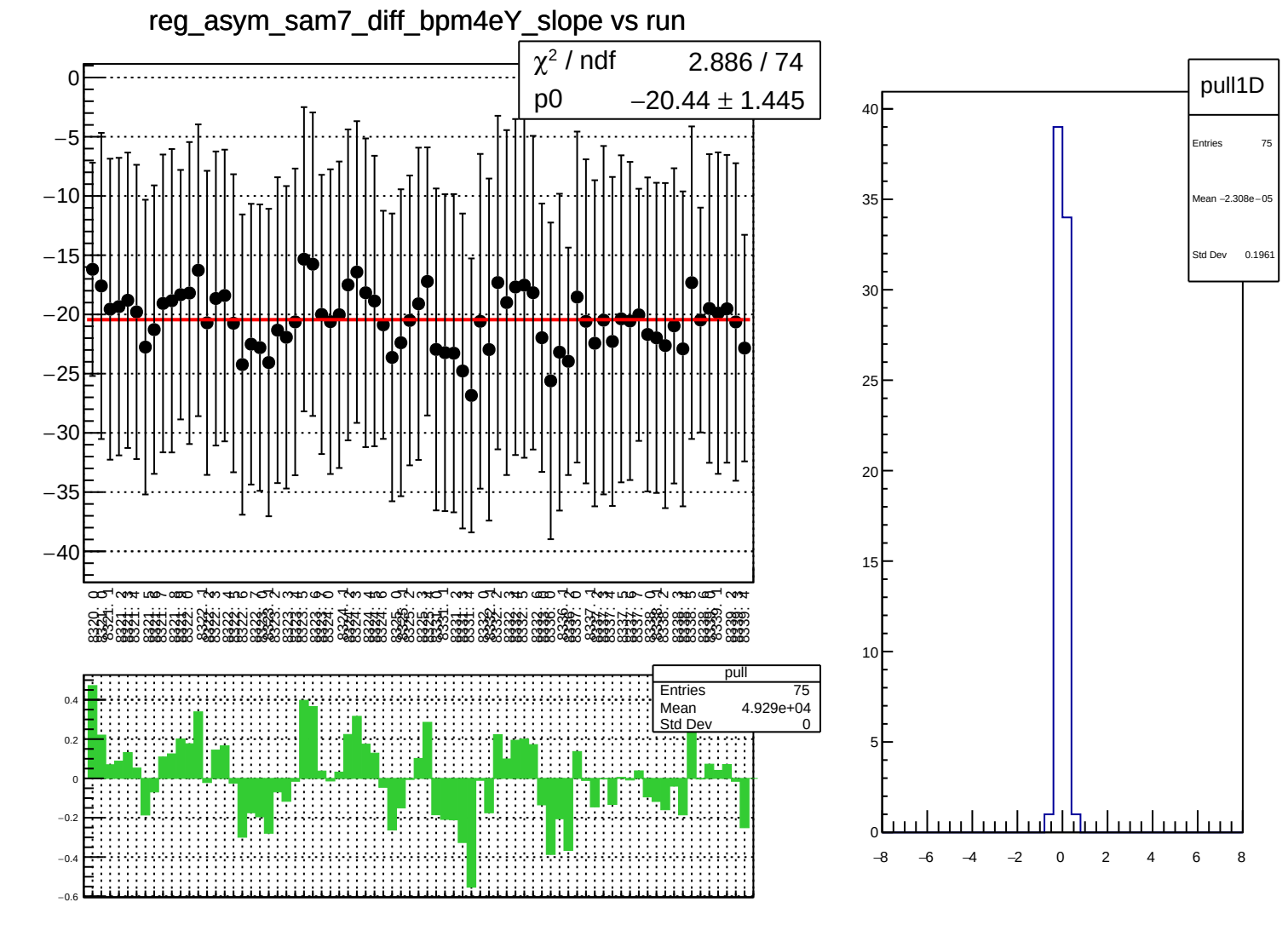

pull1D
Entries 75
Mean −0.004654
Std Dev 0.1412

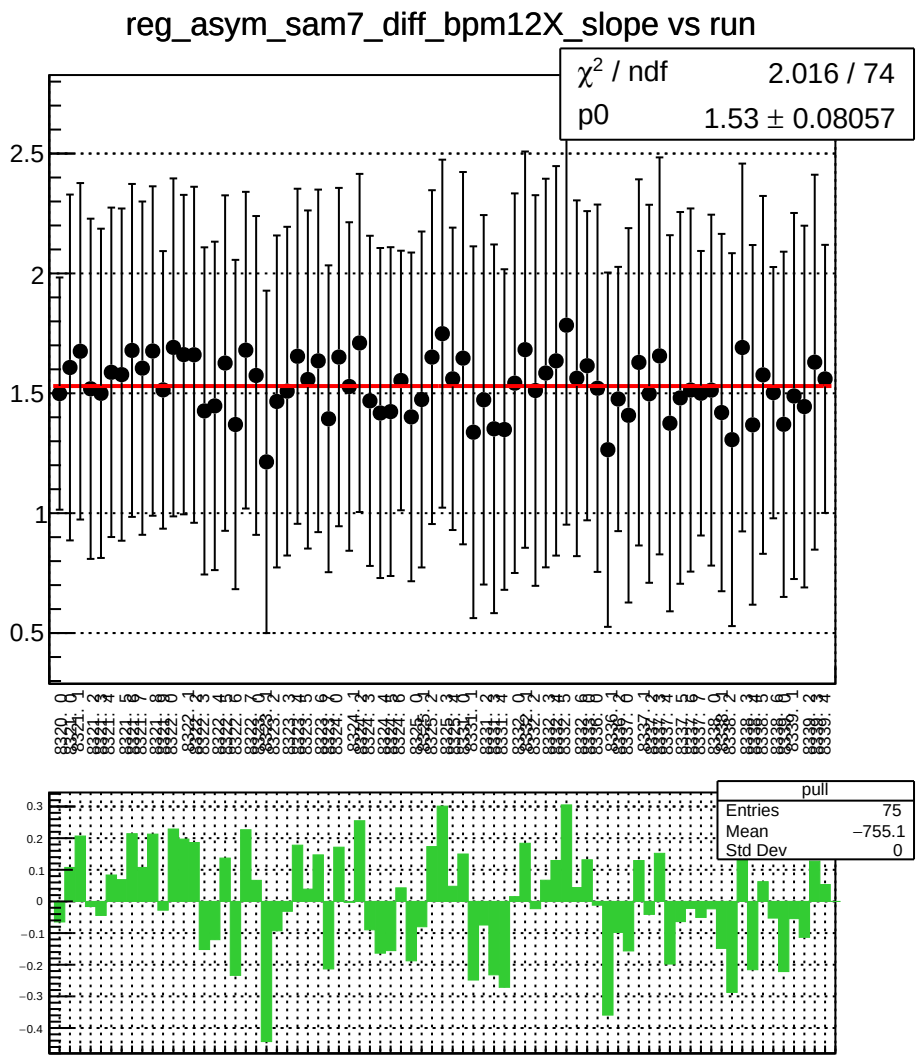

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 2 / 74
p0 25.09 ± 0.7271
pull
Entries 75
Mean −248.2
Std Dev 0
pull1D
Entries 75
Mean −0.004671
Std Dev 0.1633

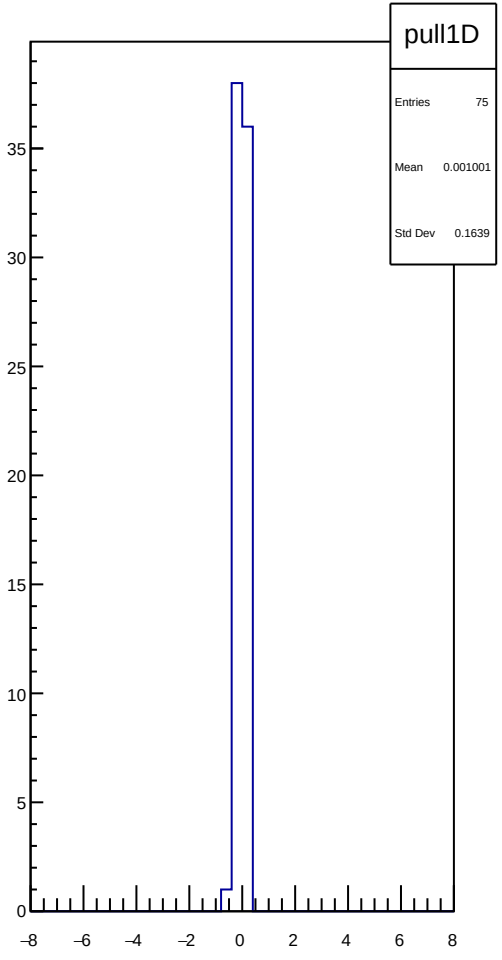

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 2.733 / 74
p0 14.98 ± 1.389
pull
Entries 75
Mean −2260
Std Dev 0

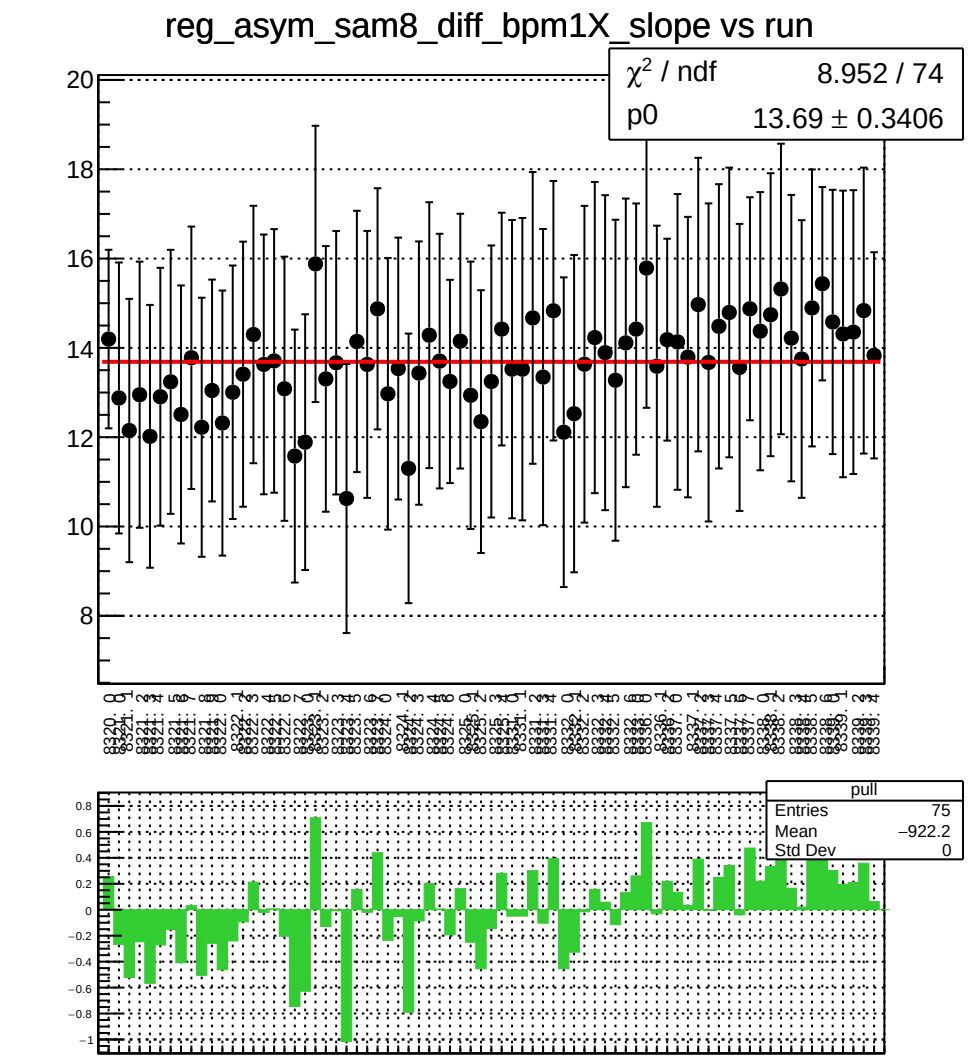

pull1D
Entries 75
Mean −0.0003812
Std Dev 0.1909

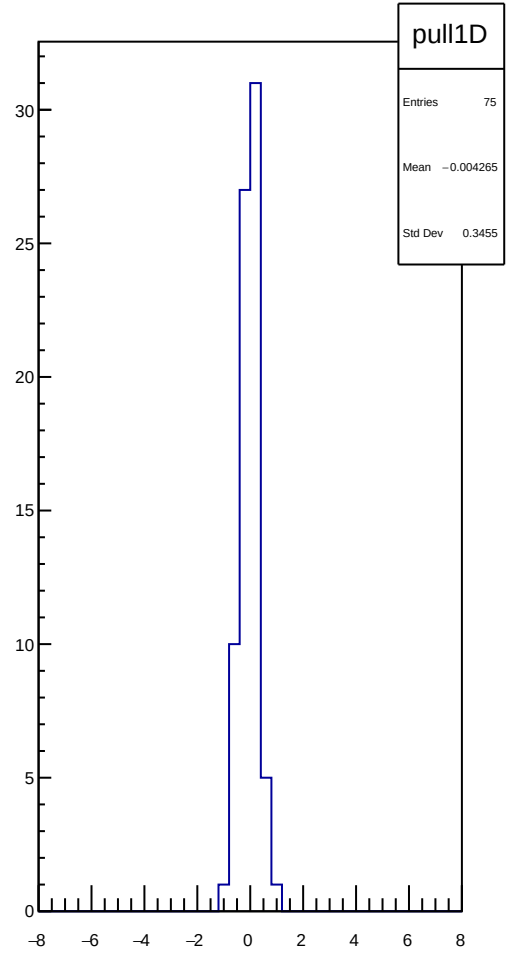

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 2.146 / 74
p0 −58.85 ± 0.8286
pull
Entries 75
Mean −544.9
Std Dev 0
pull1D
Entries 75
Mean 0.002967
Std Dev 0.1691

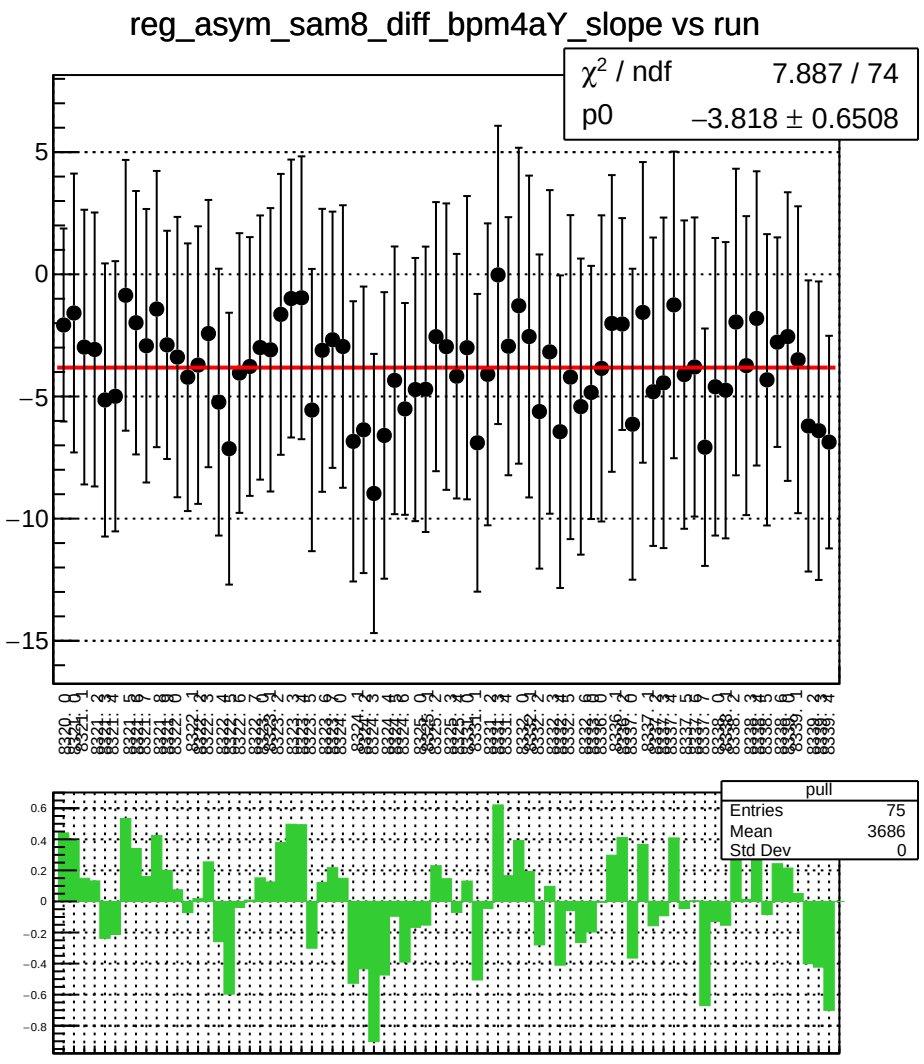

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 2.886 / 74
p0 −20.44 ± 1.445
pull
Entries 75
Mean 4.929e+04
Std Dev 0
pull1D
Entries 75
Mean −2.308e−05
Std Dev 0.1961

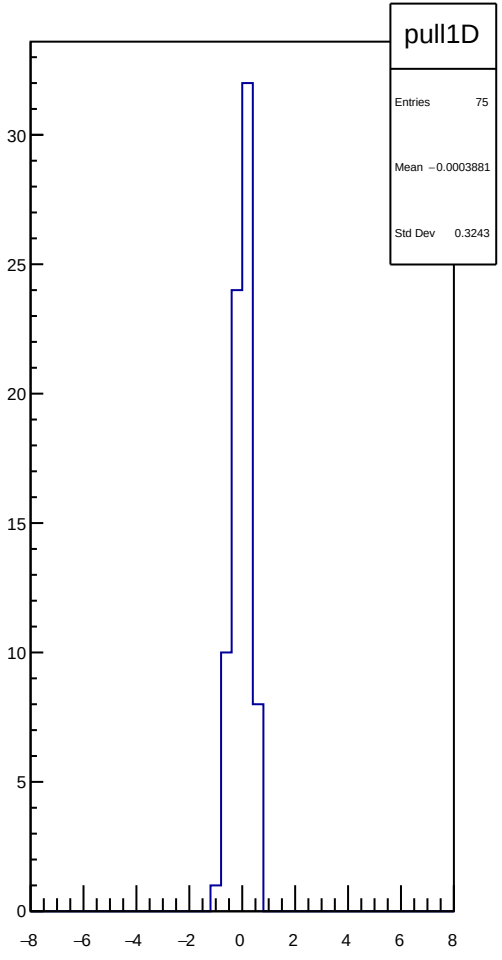

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 2.016 / 74
p0 1.53 ± 0.08057
pull
Entries 75
Mean −755.1
Std Dev 0

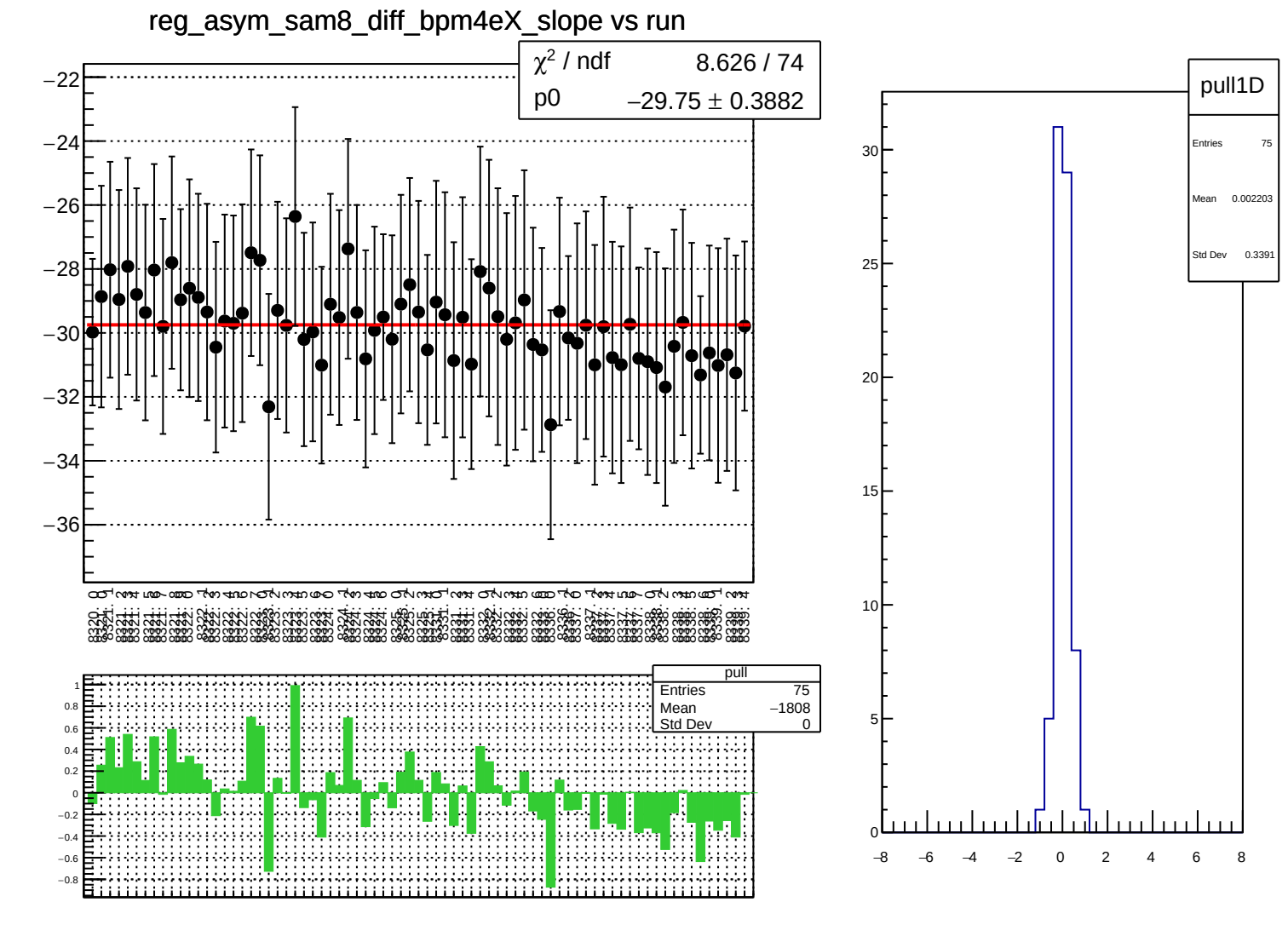

pull1D
Entries 75
Mean 0.001001
Std Dev 0.1639

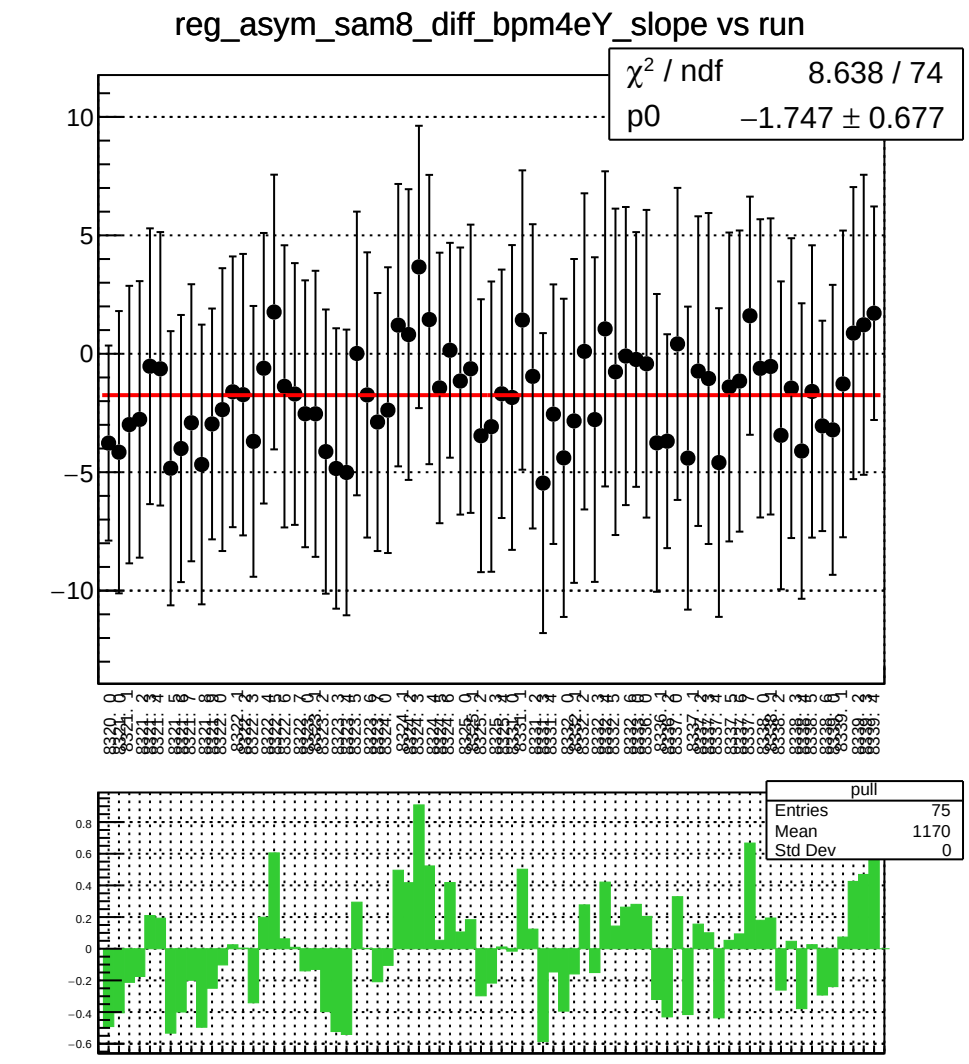

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 8.952 / 74
p0 13.69 ± 0.3406
pull
Entries 75
Mean −922.2
Std Dev 0

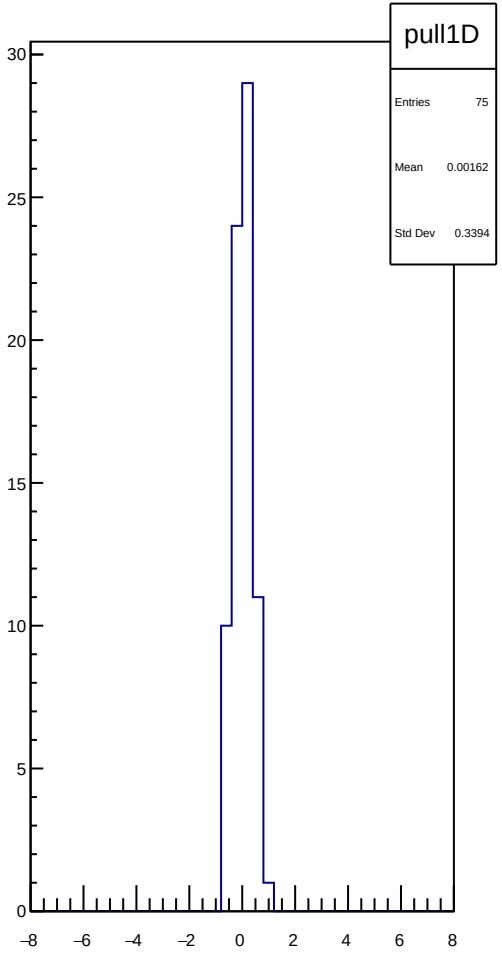

pull1D
Entries 75
Mean −0.004265
Std Dev 0.3455

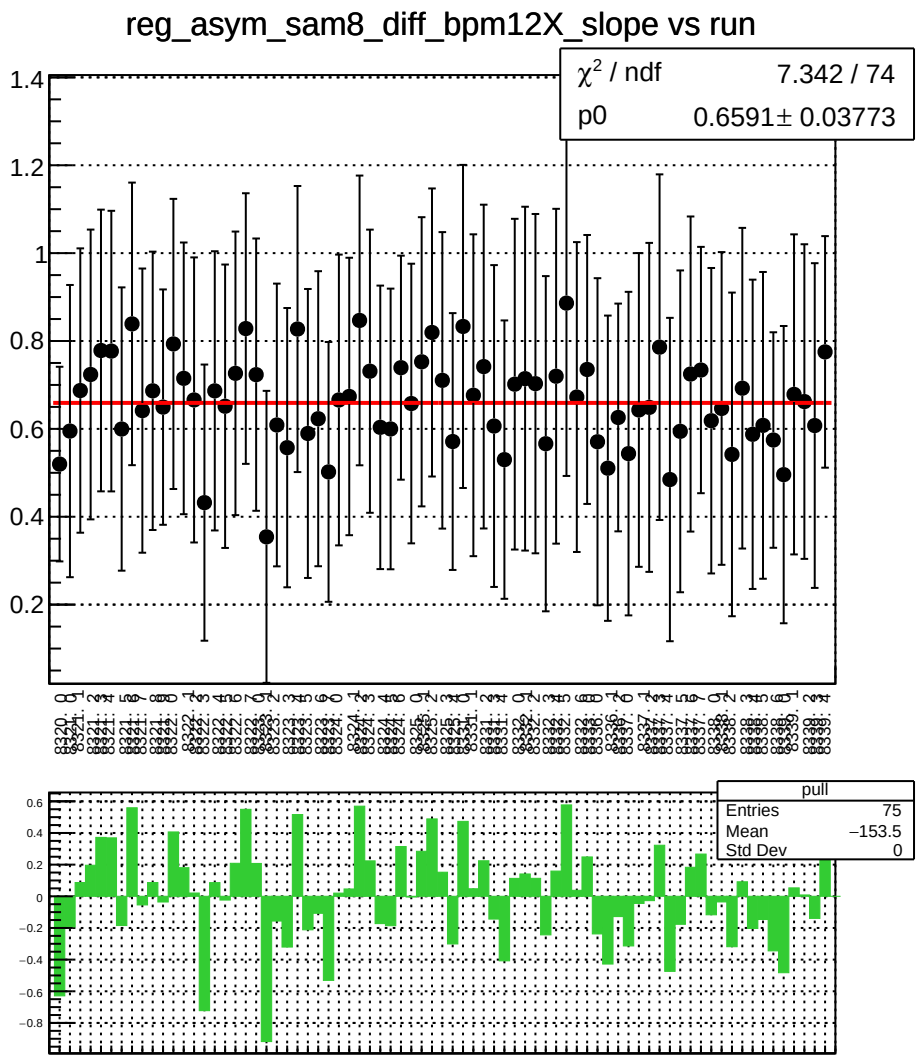

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 7.887 / 74
p0 −3.818 ± 0.6508
pull
Entries 75
Mean 3686
Std Dev 0

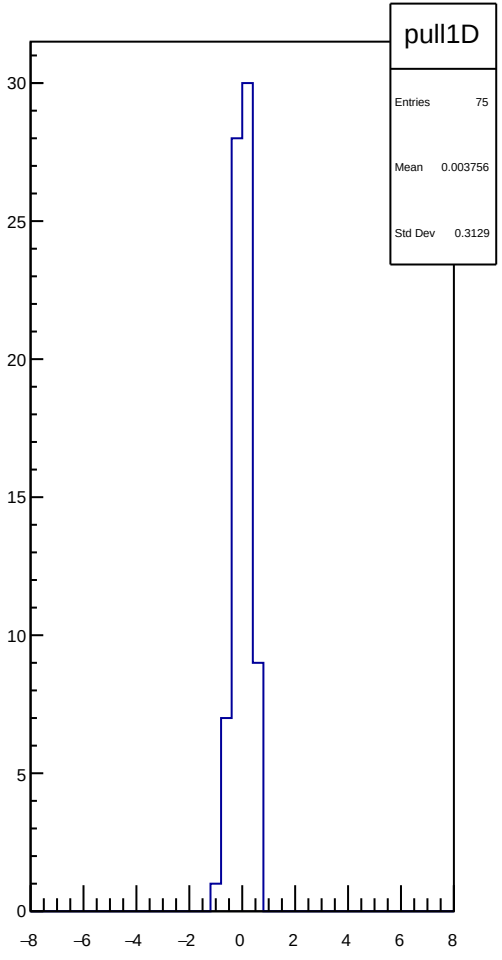

pull1D
Entries 75
Mean −0.0003881
Std Dev 0.3243

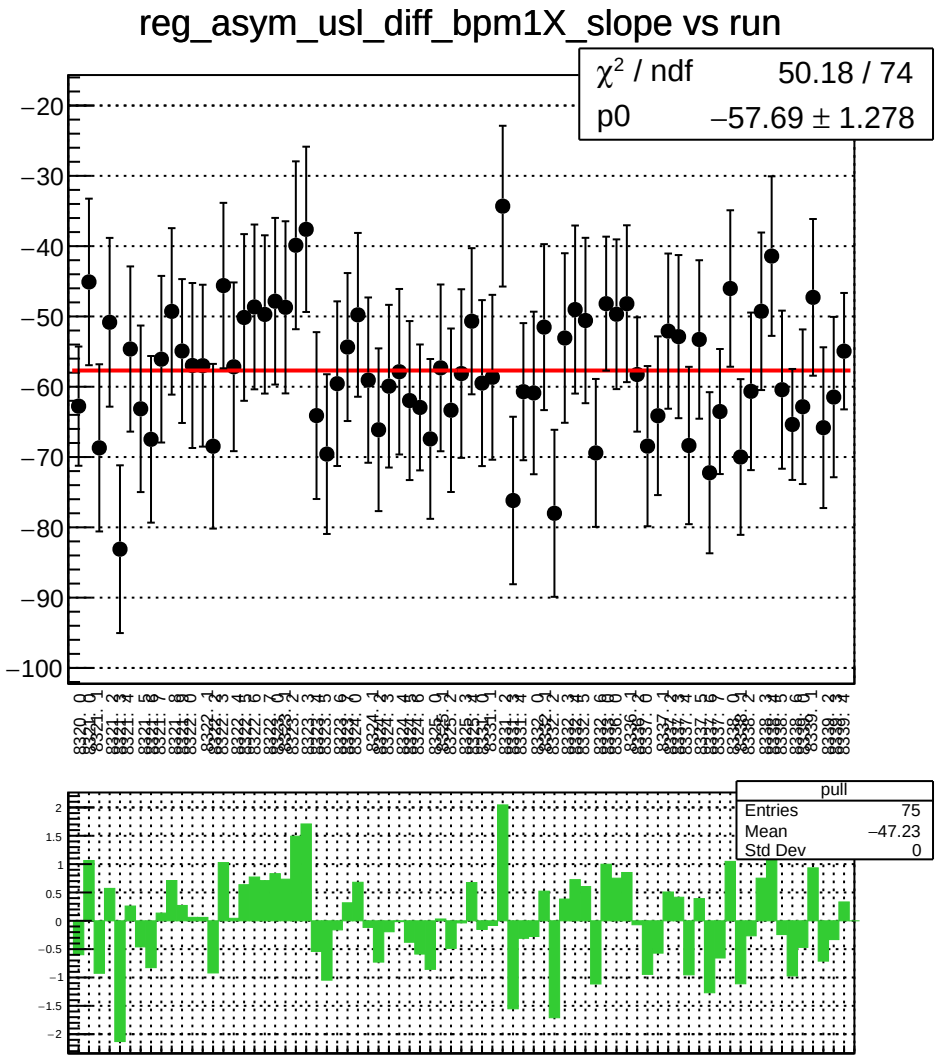

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 8.626 / 74
p0 −29.75 ± 0.3882
pull
Entries 75
Mean −1808
Std Dev 0
pull1D
Entries 75
Mean 0.002203
Std Dev 0.3391

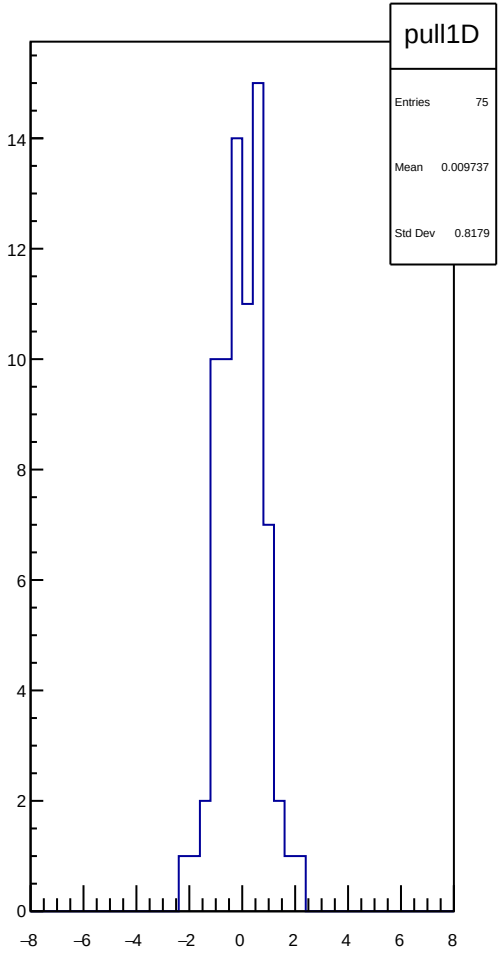

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 8.638 / 74
p0 −1.747 ± 0.677
pull
Entries 75
Mean 1170
Std Dev 0

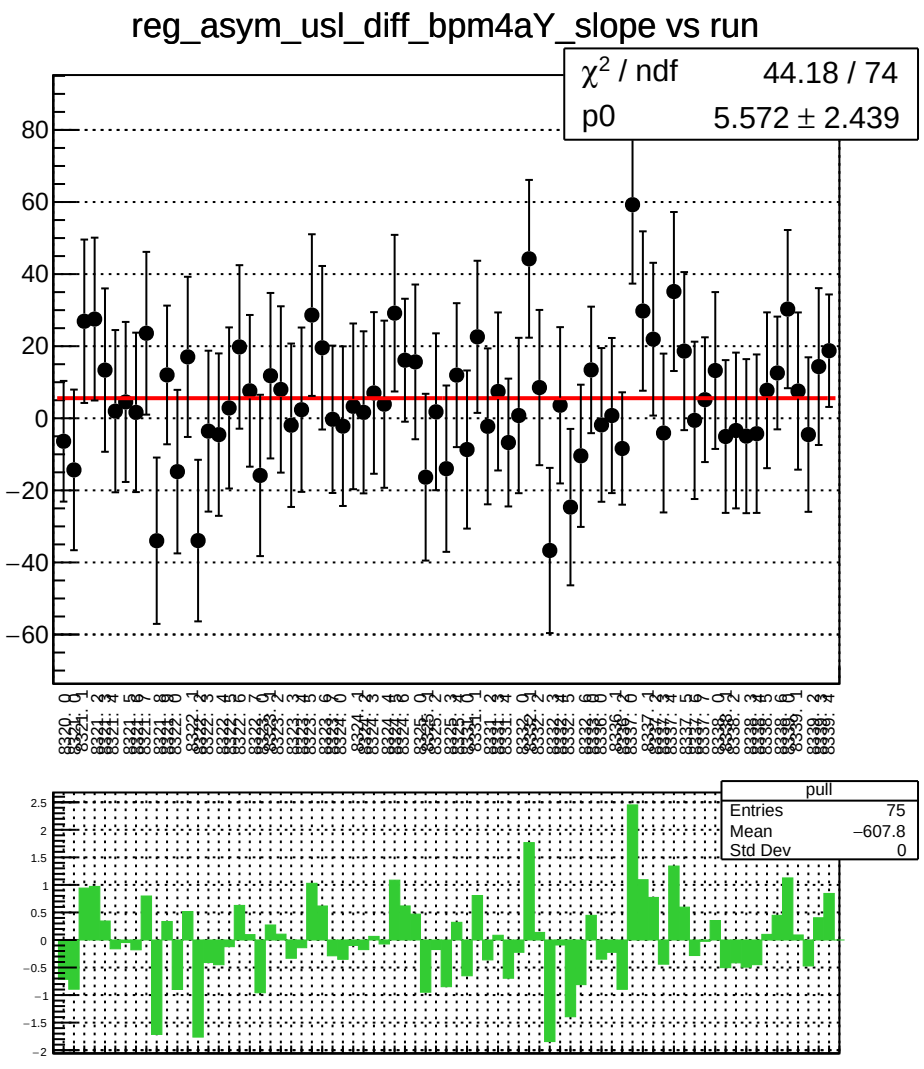

pull1D
Entries 75
Mean 0.00162
Std Dev 0.3394

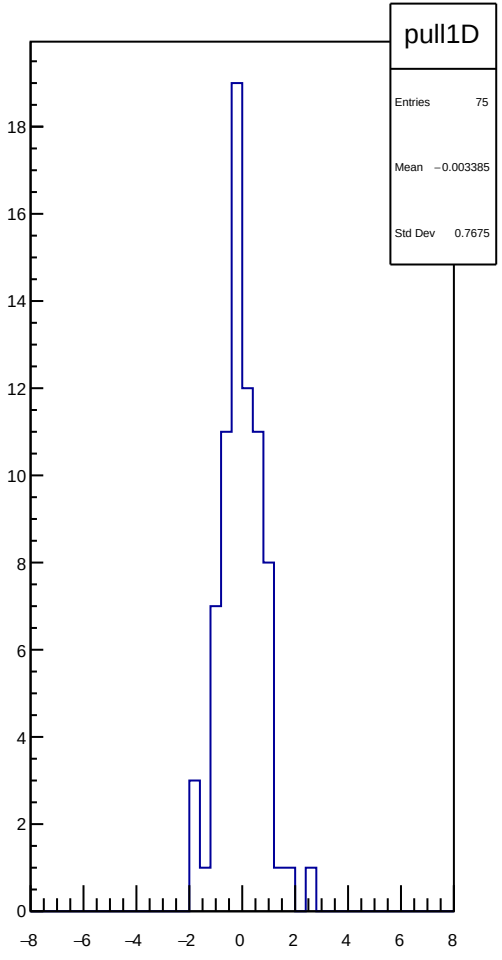

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 7.342 / 74
p0 0.6591± 0.03773
pull
Entries 75
Mean −153.5
Std Dev 0

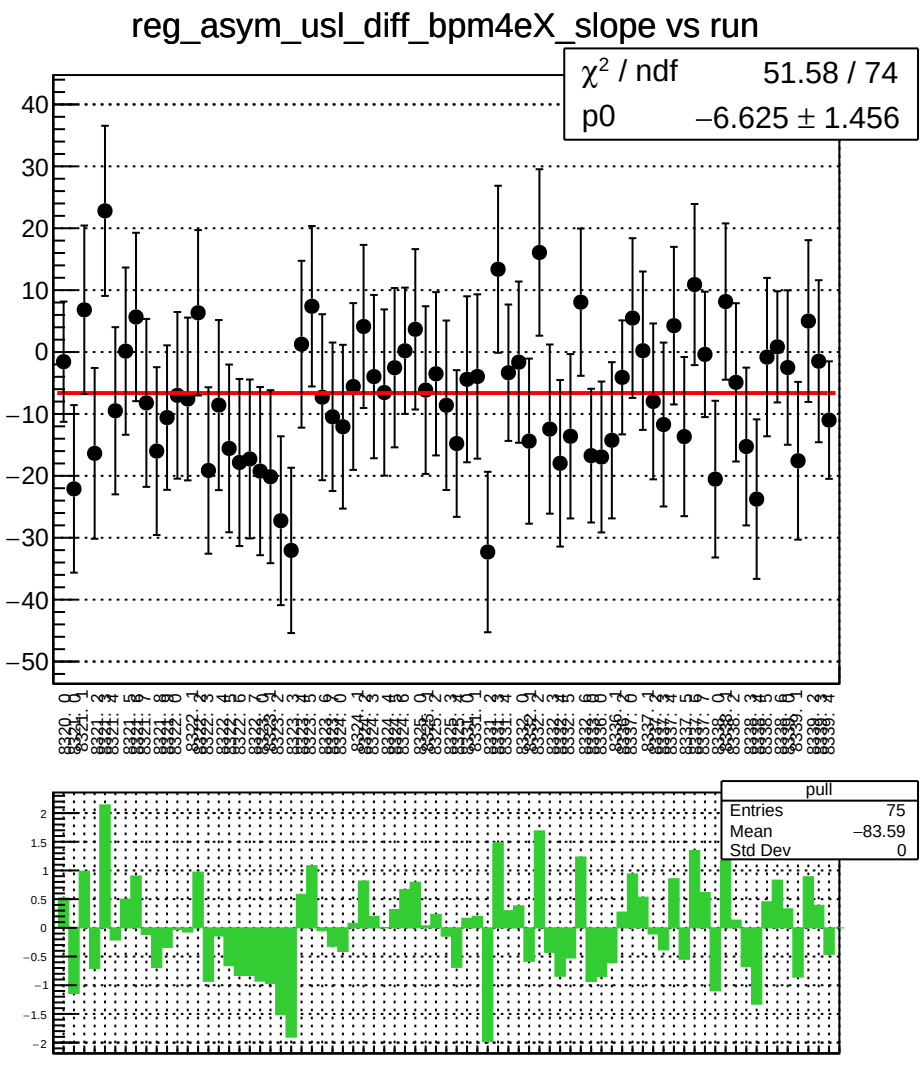

pull1D
Entries 75
Mean 0.003756
Std Dev 0.3129

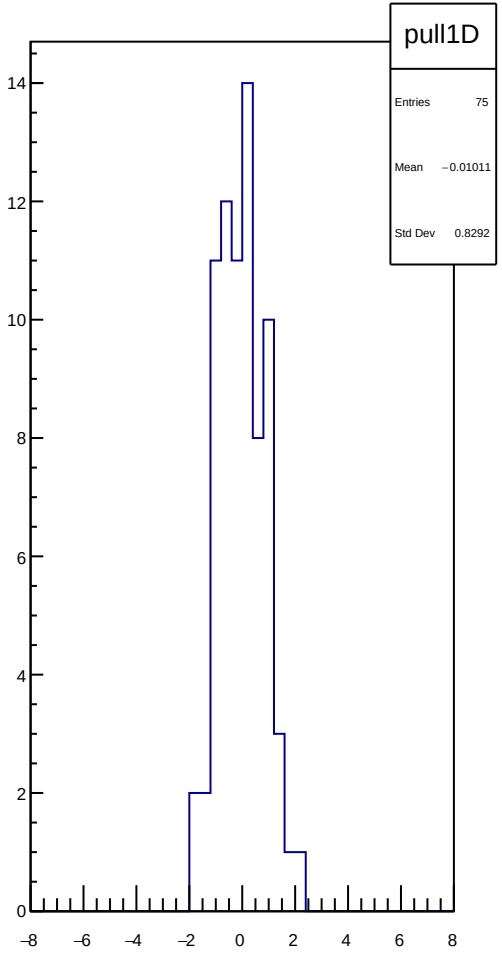

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 50.18 / 74
p0 −57.69 ± 1.278
pull
Entries 75
Mean −47.23
Std Dev 0

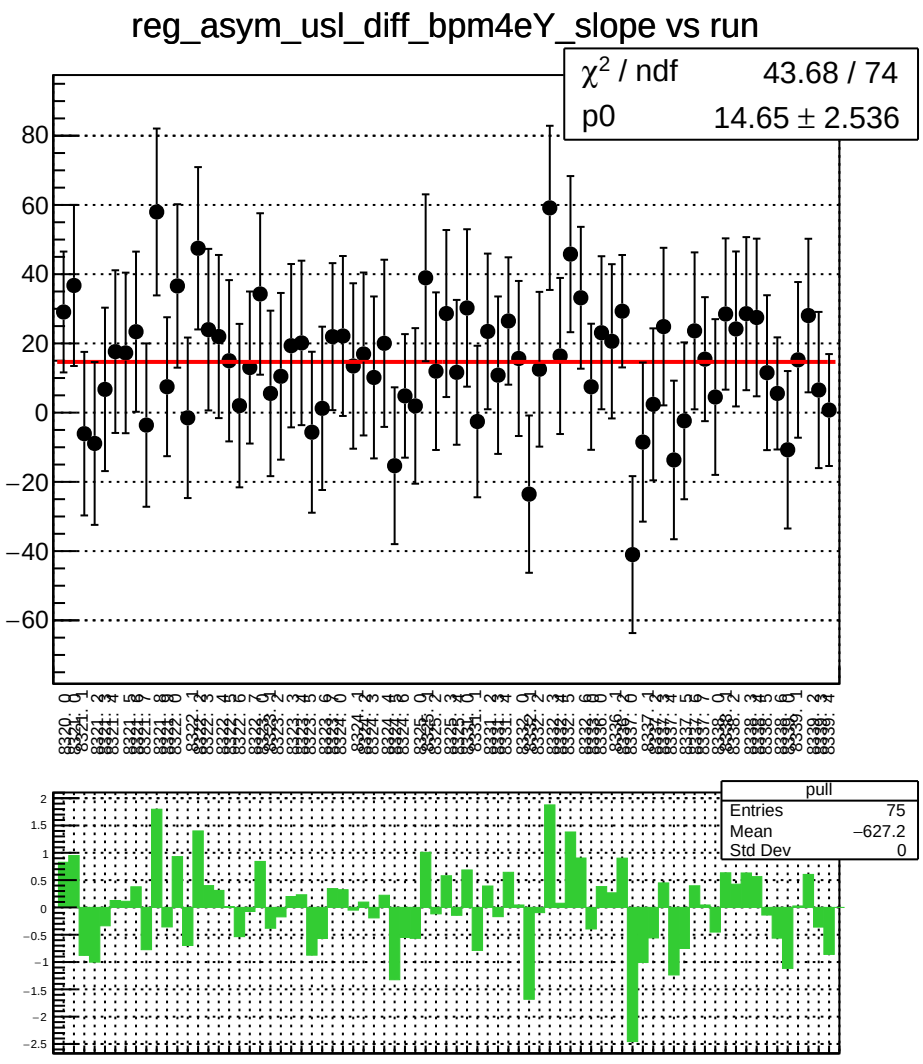

pull1D
Entries 75
Mean 0.009737
Std Dev 0.8179

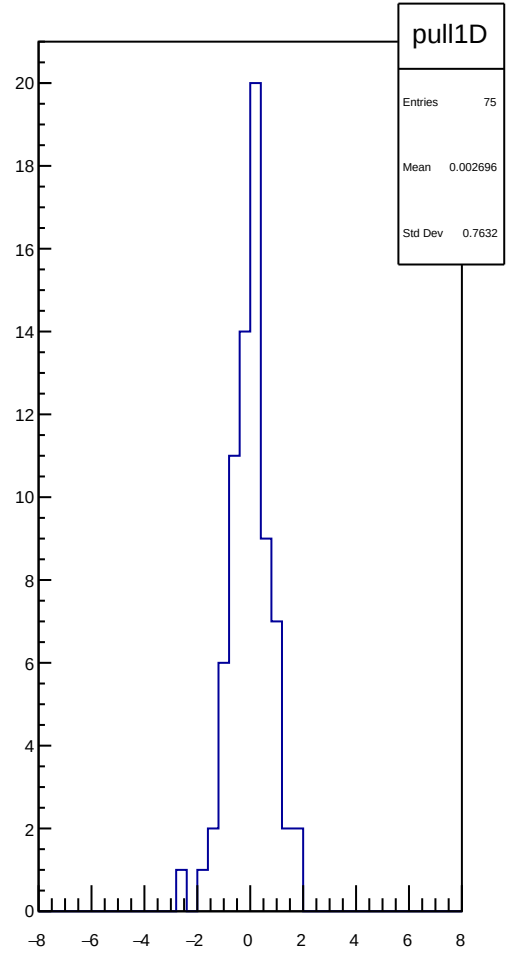

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 44.18 / 74
p0 5.572 ± 2.439
pull
Entries 75
Mean −607.8
Std Dev 0

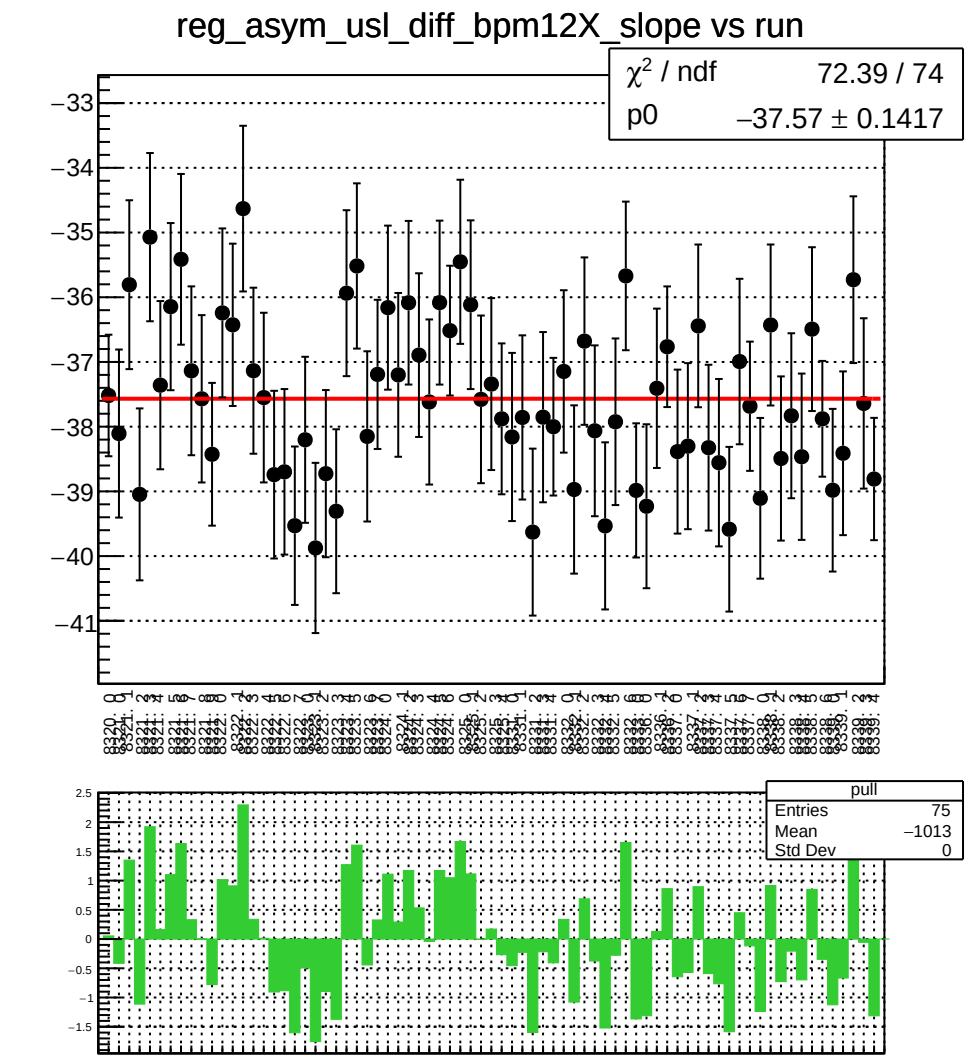

pull1D
Entries 75
Mean −0.003385
Std Dev 0.7675

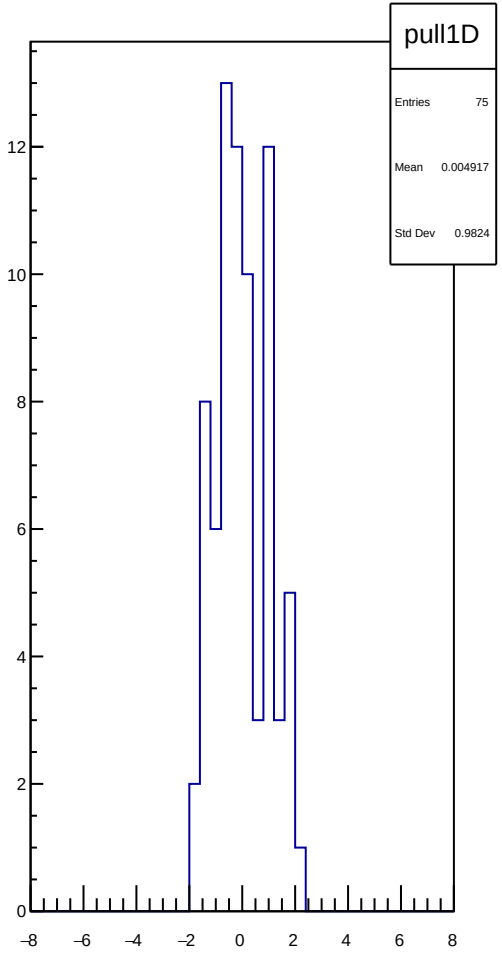

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 51.58 / 74
p0 −6.625 ± 1.456
pull
Entries 75
Mean −83.59
Std Dev 0

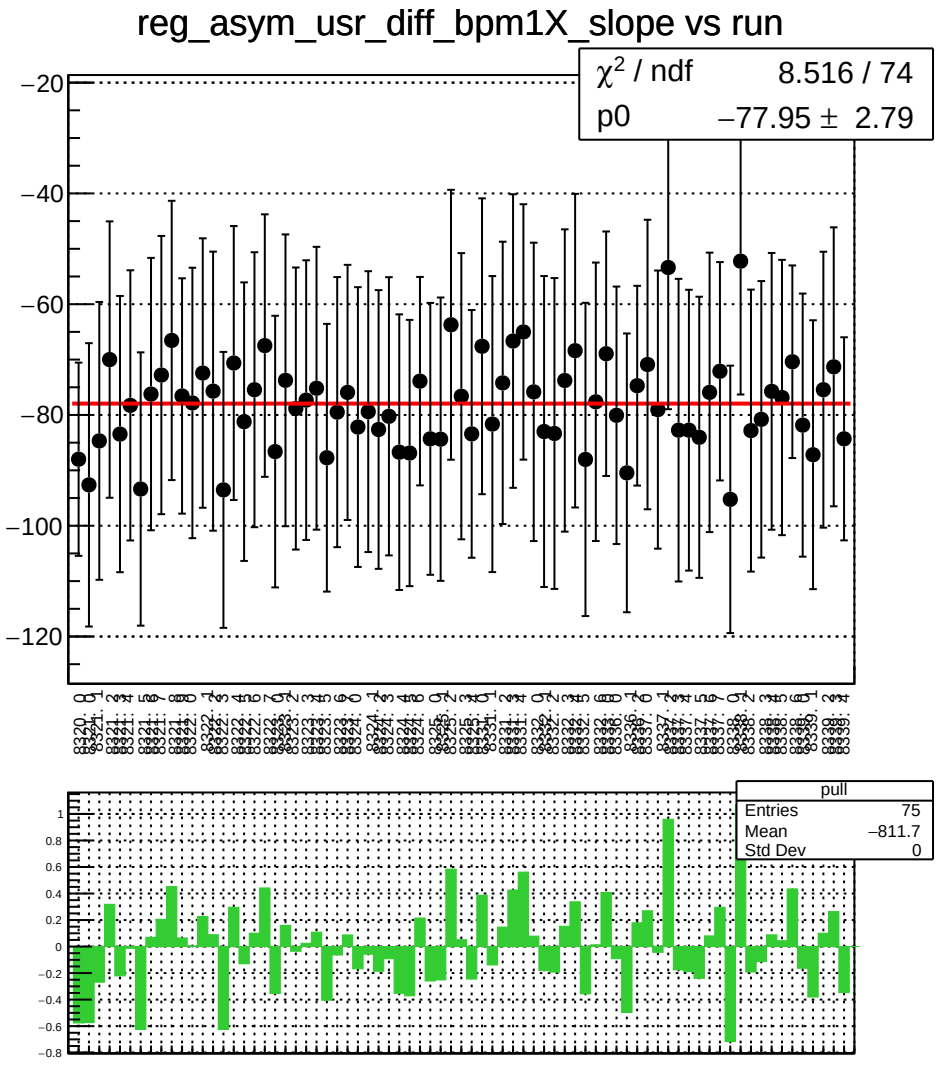

pull1D
Entries 75
Mean −0.01011
Std Dev 0.8292

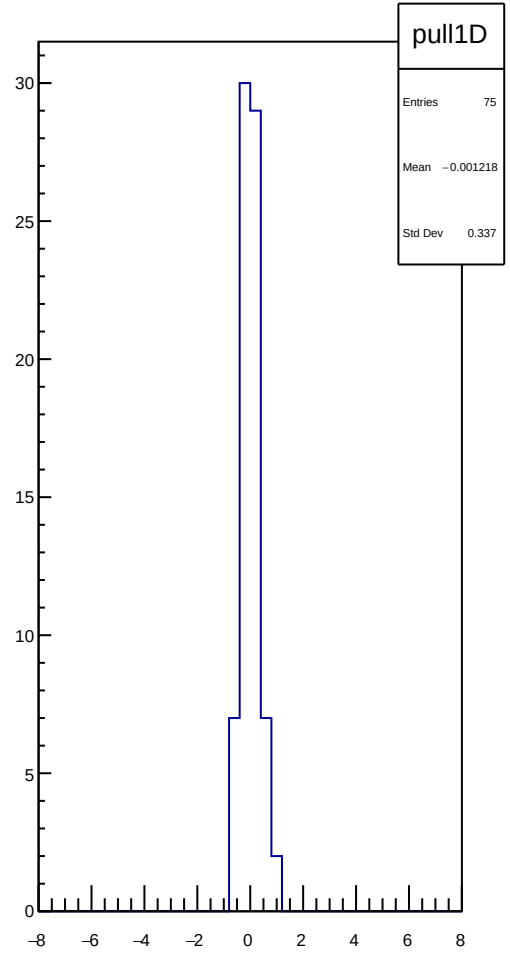

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 43.68 / 74
p0 14.65 ± 2.536
pull
Entries 75
Mean −627.2
Std Dev 0

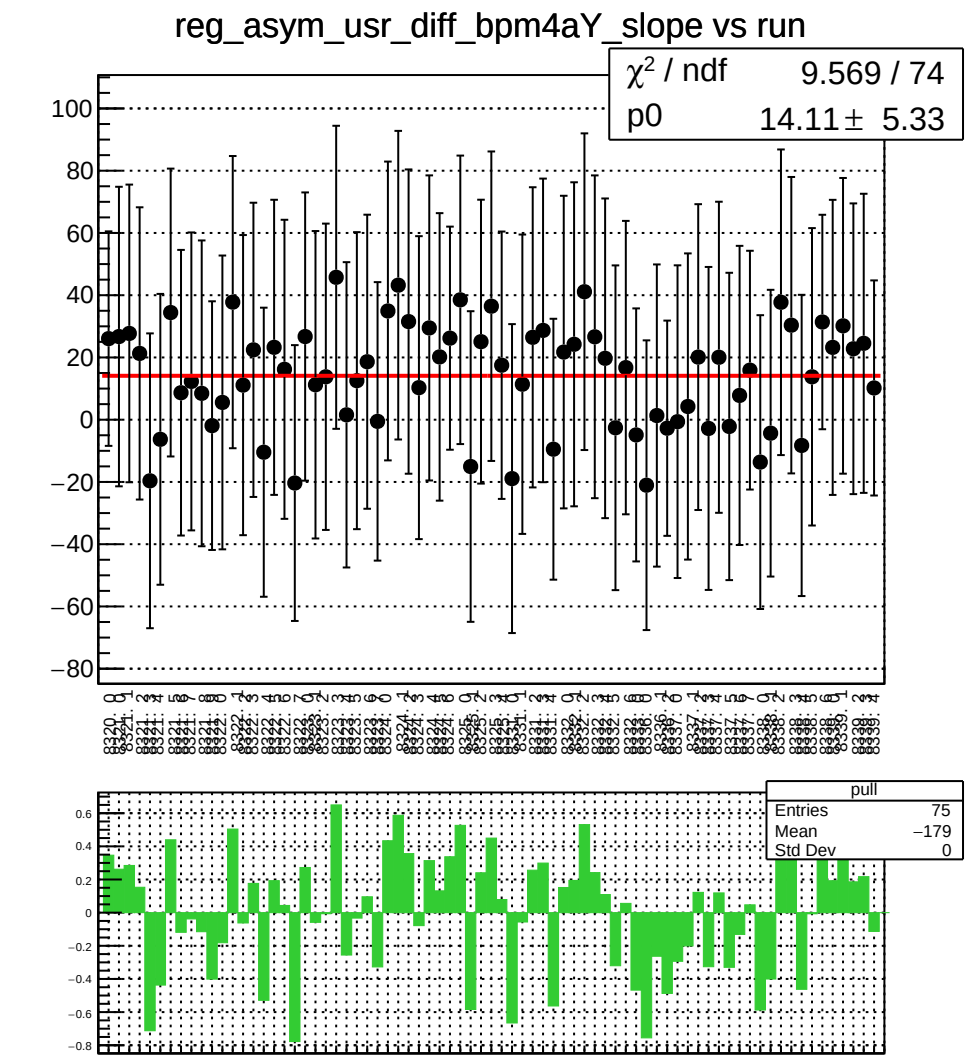

pull1D
Entries 75
Mean 0.002696
Std Dev 0.7632

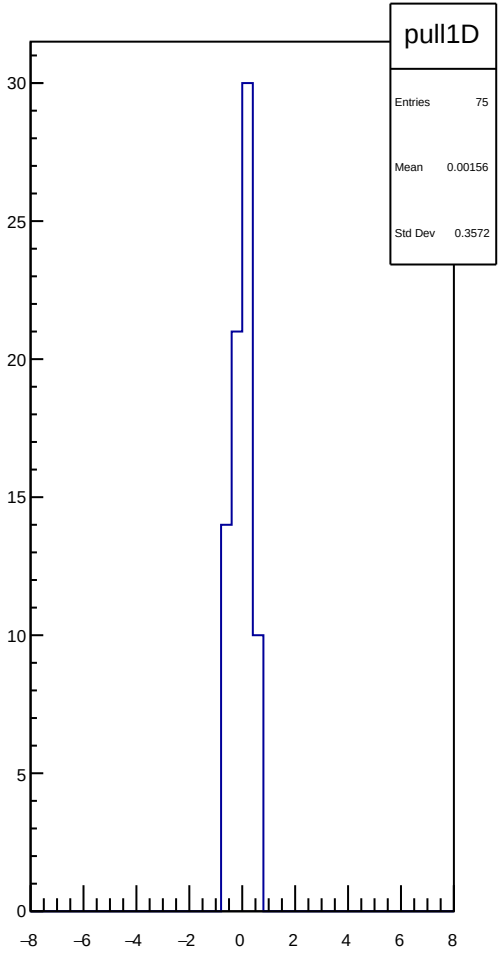

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 72.39 / 74
p0 −37.57 ± 0.1417
pull
Entries 75
Mean −1013
Std Dev 0

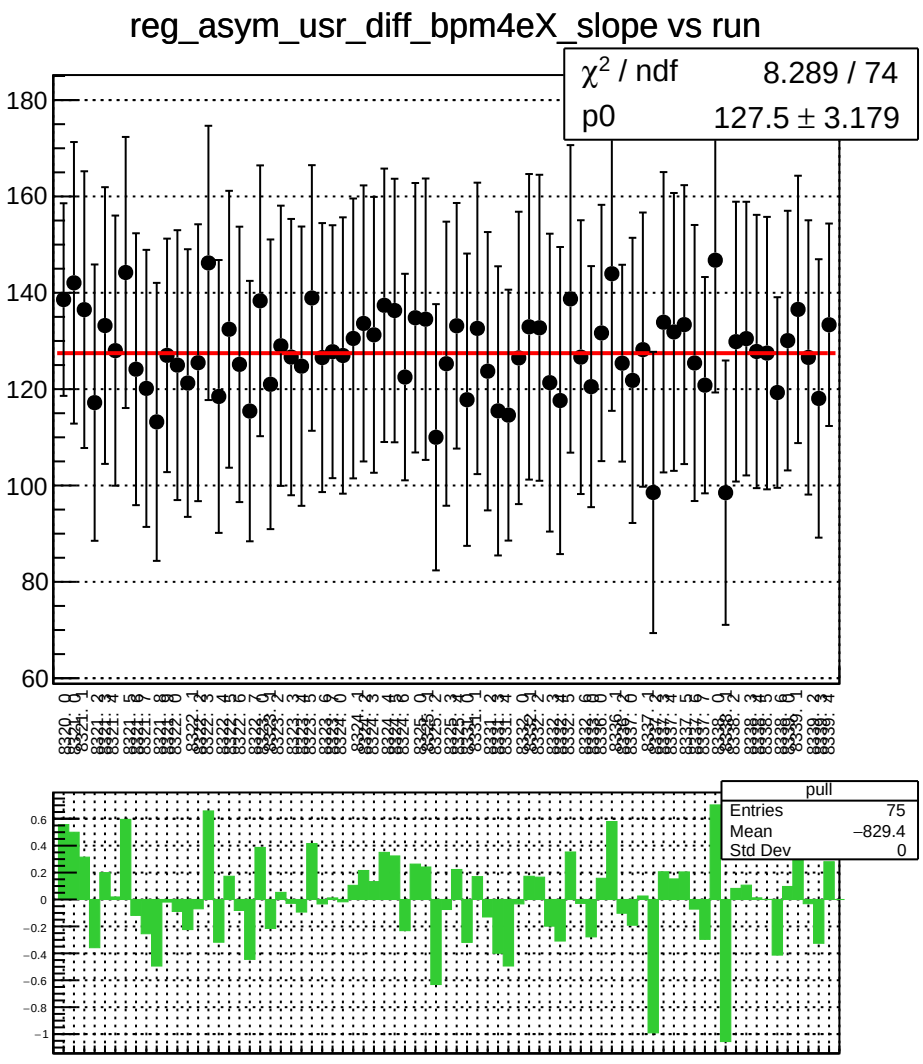

pull1D
Entries 75
Mean 0.004917
Std Dev 0.9824

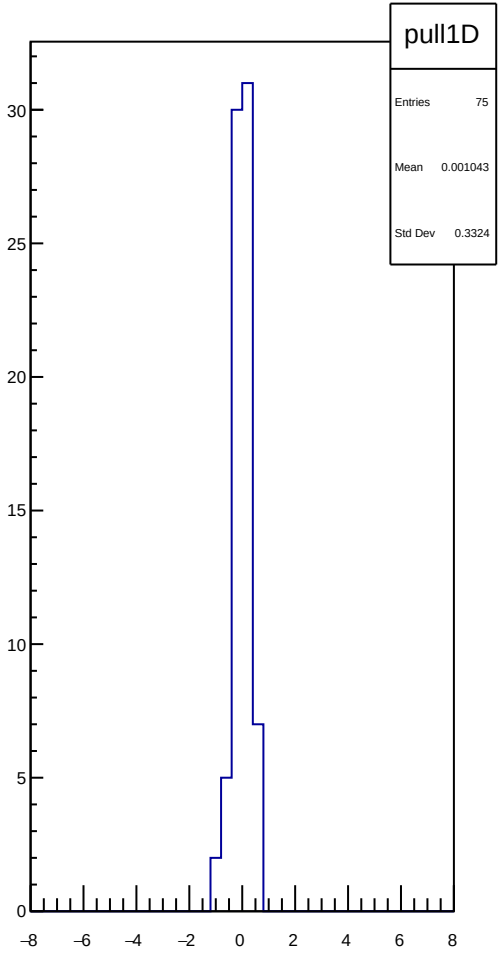

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 8.516 / 74
p0 −77.95 ± 2.79
pull
Entries 75
Mean −811.7
Std Dev 0

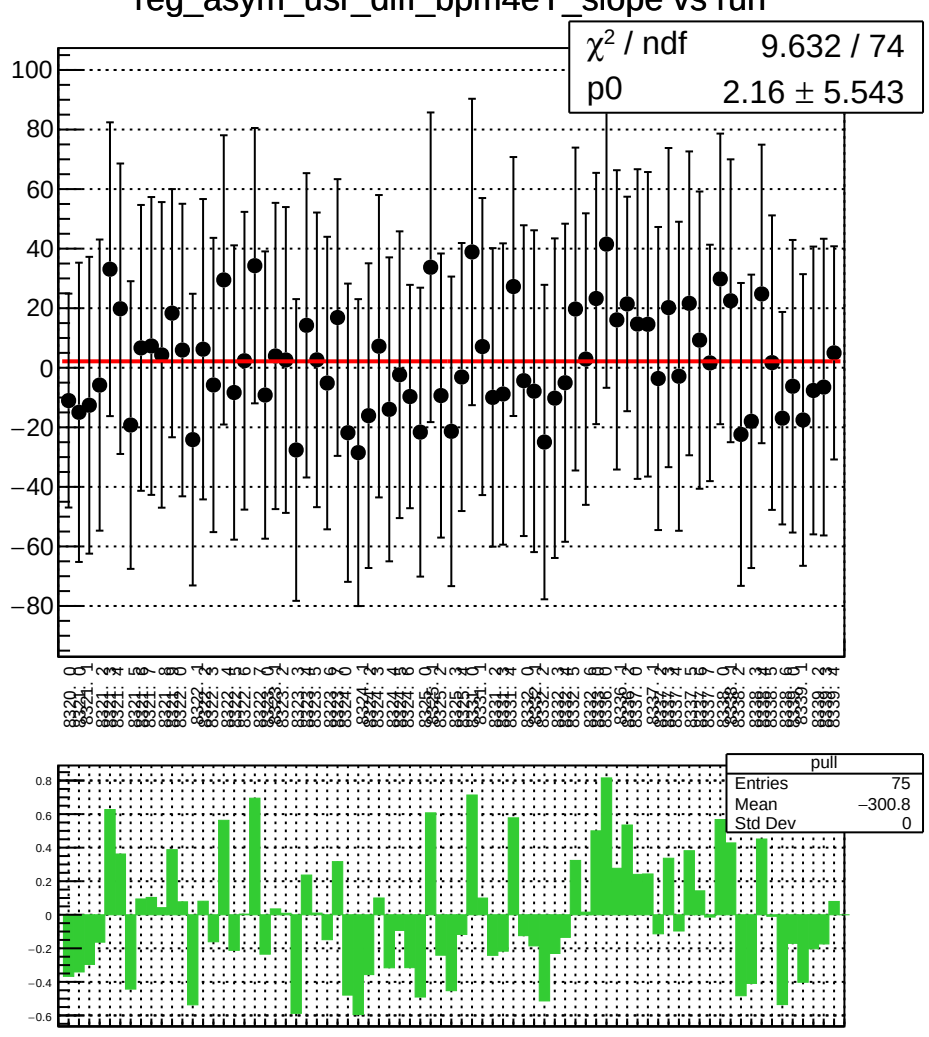

pull1D
Entries 75
Mean −0.001218
Std Dev 0.337

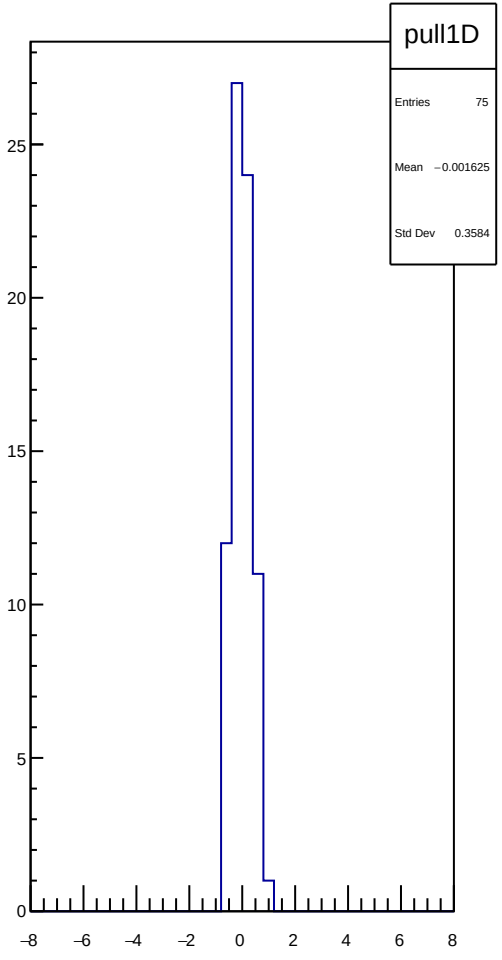

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 9.569 / 74
p0 14.11 ± 5.33
pull
Entries 75
Mean −179
Std Dev 0

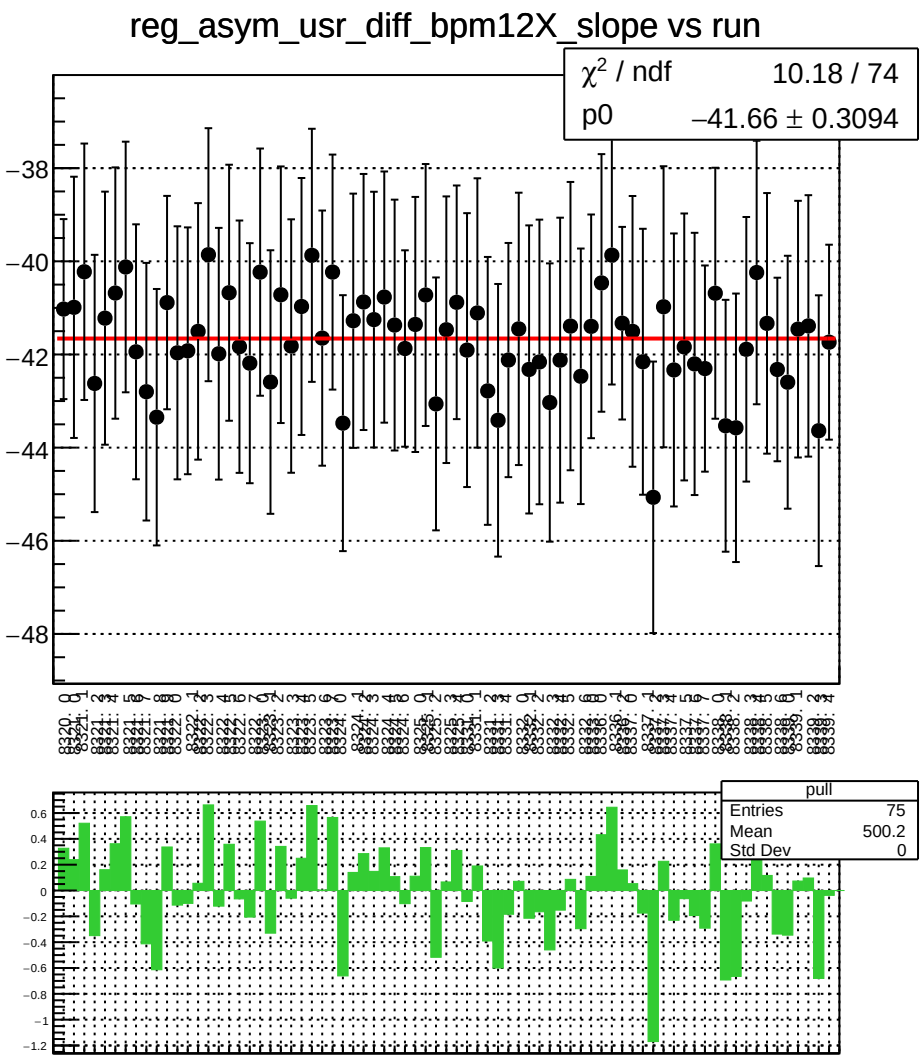

pull1D
Entries 75
Mean 0.00156
Std Dev 0.3572

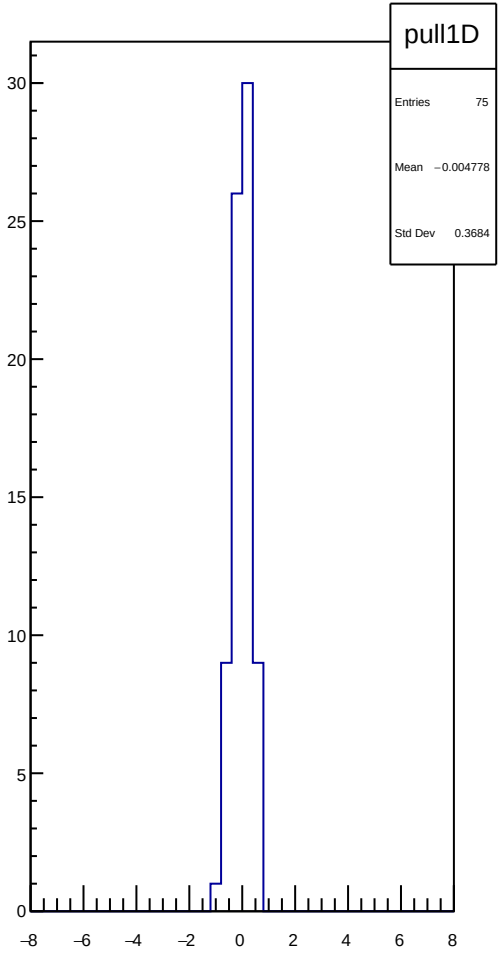

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 8.289 / 74
p0 127.5 ± 3.179
pull
Entries 75
Mean −829.4
Std Dev 0

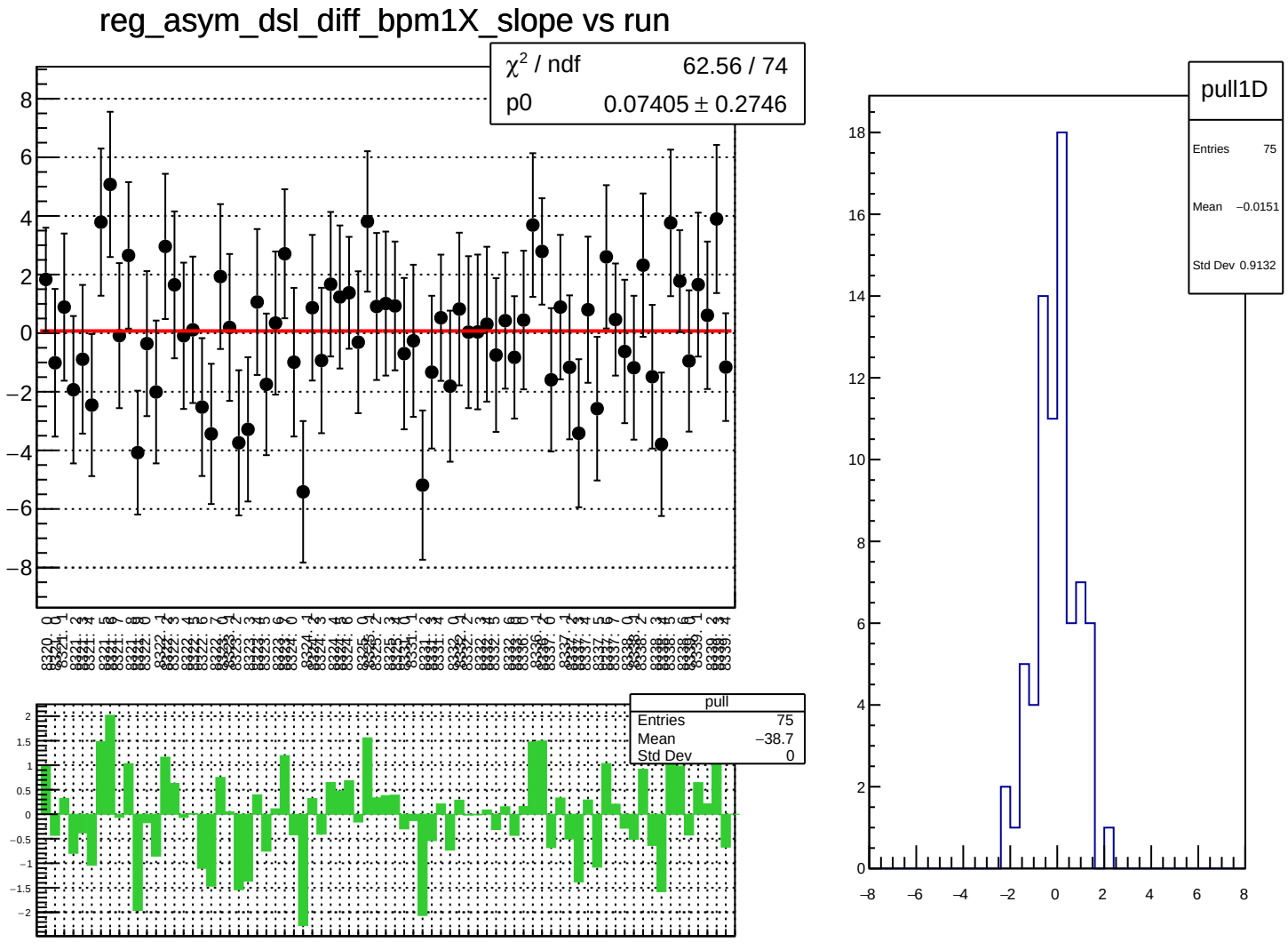

pull1D
Entries 75
Mean 0.001043
Std Dev 0.3324

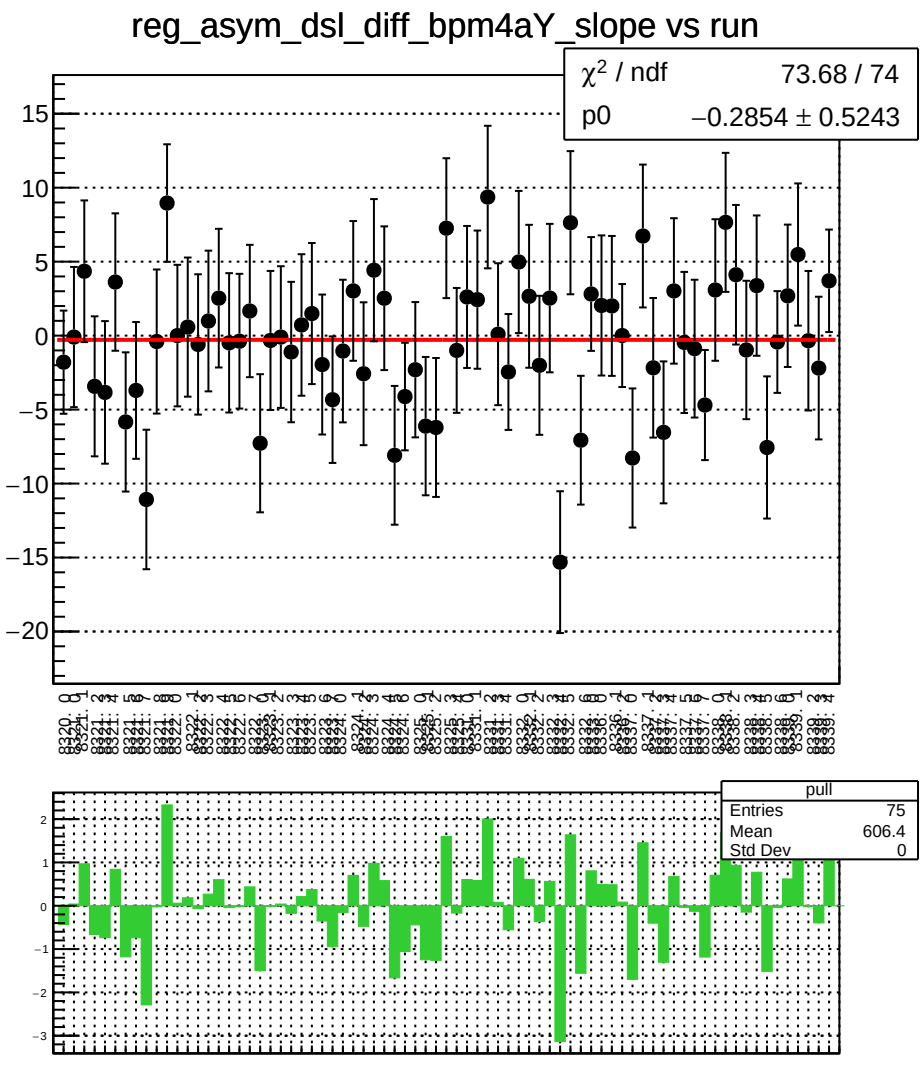

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 9.632 / 74
p0 2.16 ± 5.543
pull
Entries 75
Mean −300.8
Std Dev 0

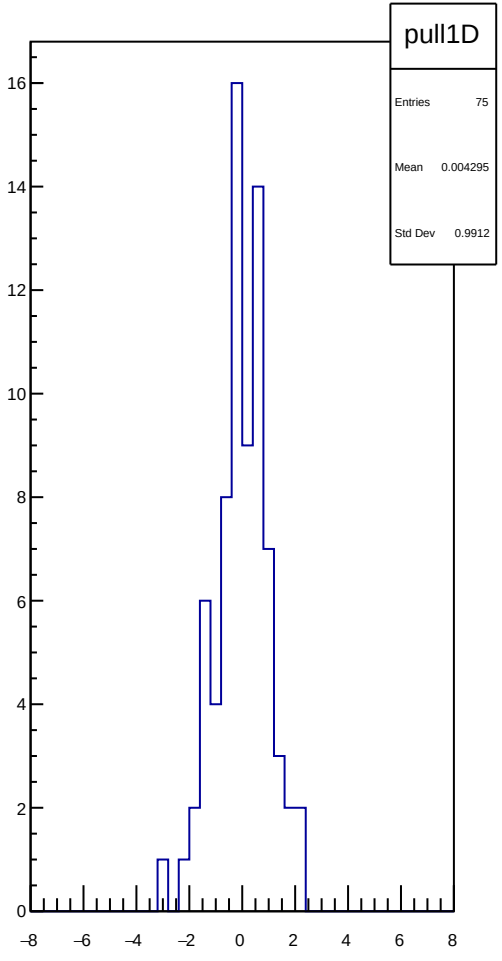

pull1D
Entries 75
Mean −0.001625
Std Dev 0.3584

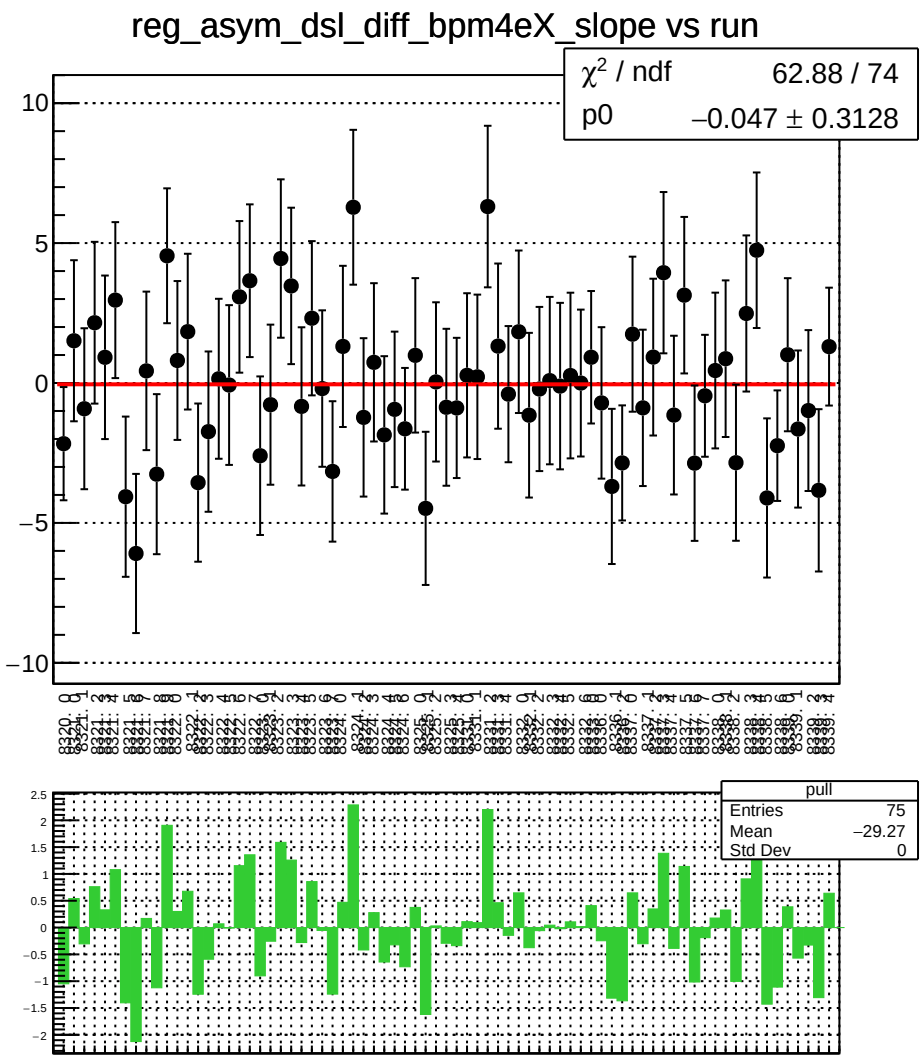

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 10.18 / 74
p0 −41.66 ± 0.3094
pull
Entries 75
Mean 500.2
Std Dev 0

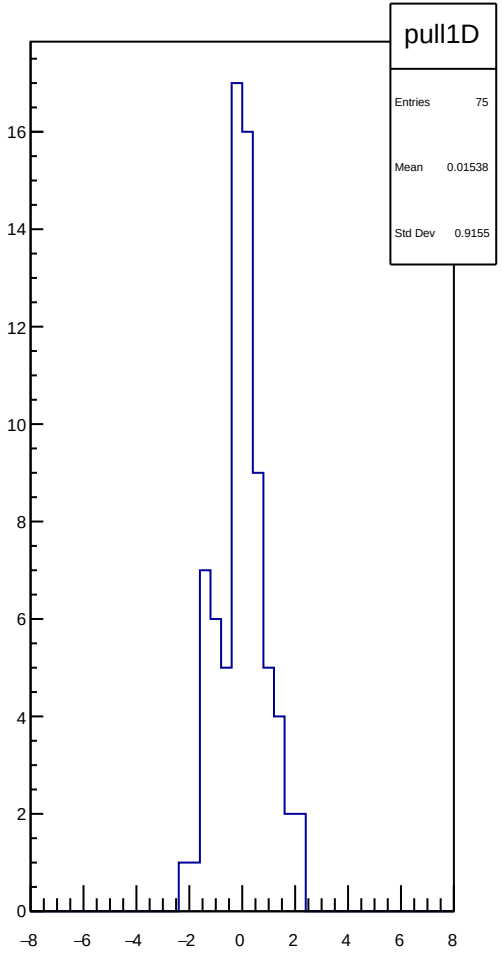

pull1D
Entries 75
Mean −0.004778
Std Dev 0.3684

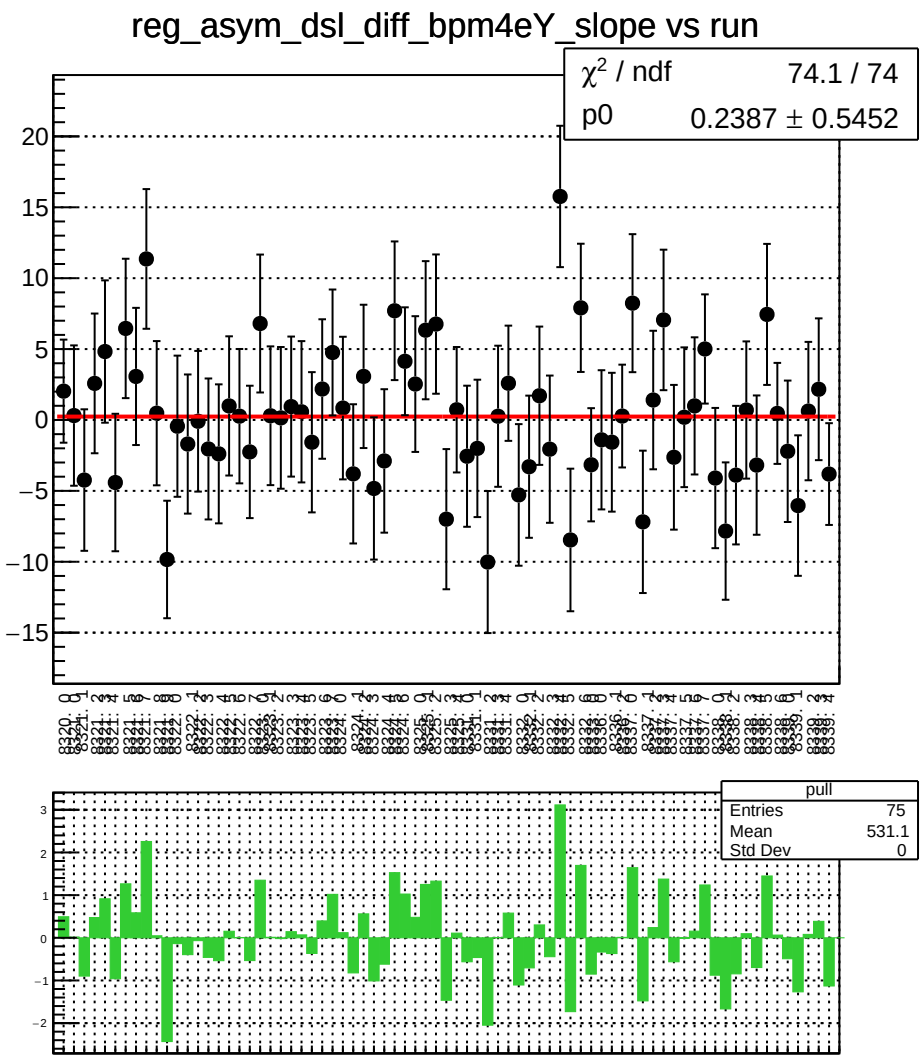

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 62.56 / 74
p0 0.07405 ± 0.2746
pull
Entries 75
Mean −38.7
Std Dev 0
pull1D
Entries 75
Mean −0.0151
Std Dev 0.9132

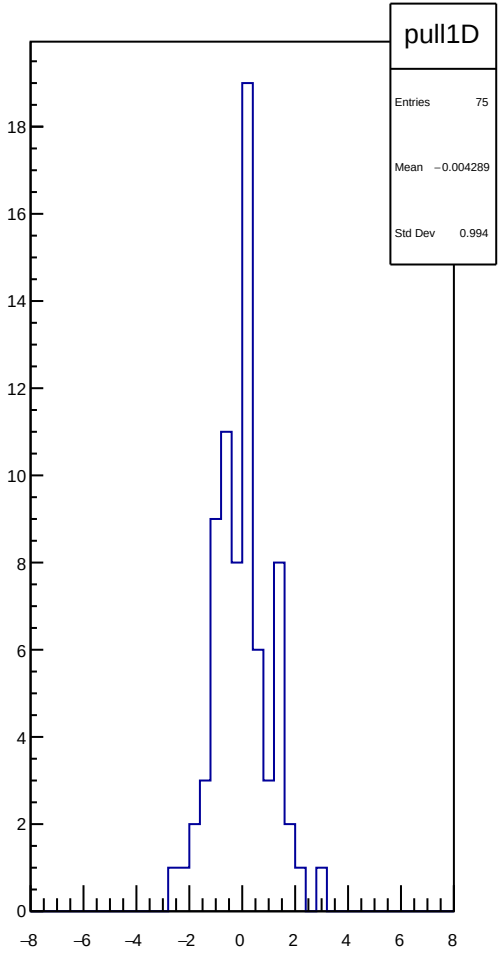

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 73.68 / 74
p0 −0.2854 ± 0.5243
pull
Entries 75
Mean 606.4
Std Dev 0

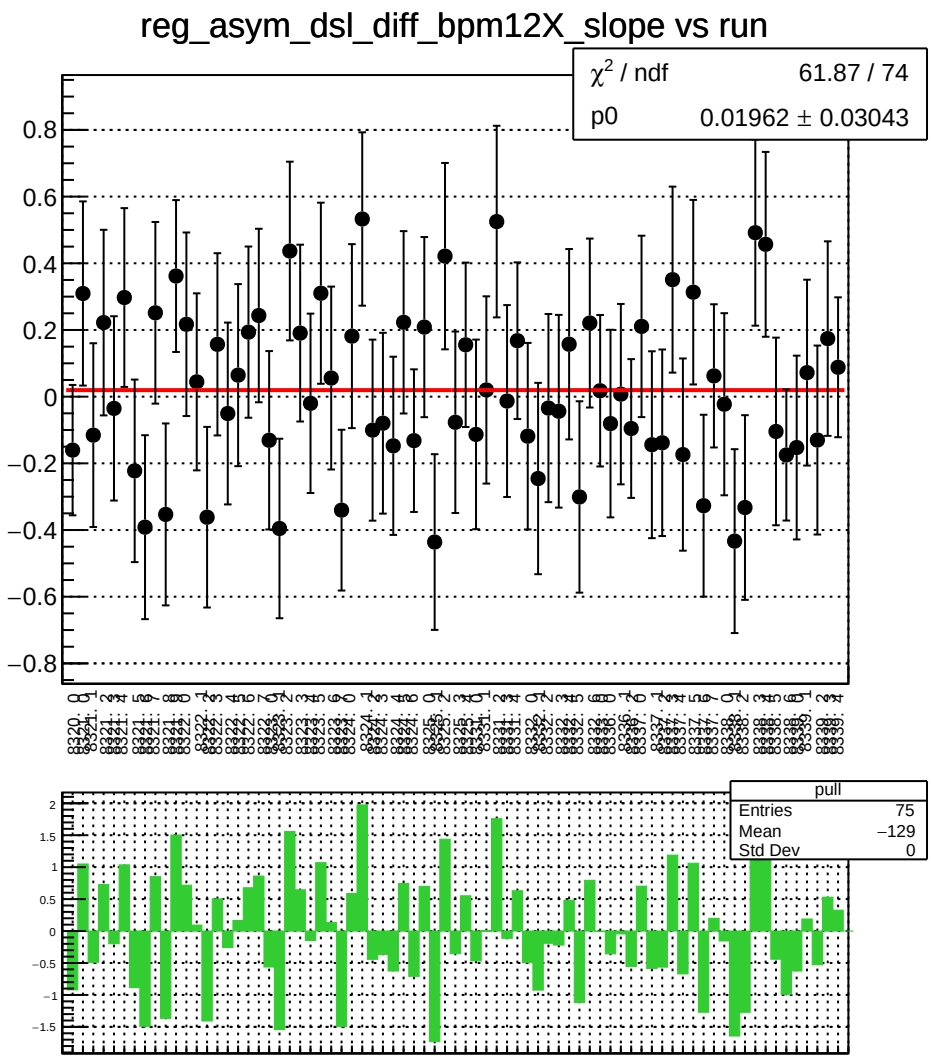

pull1D
Entries 75
Mean 0.004295
Std Dev 0.9912

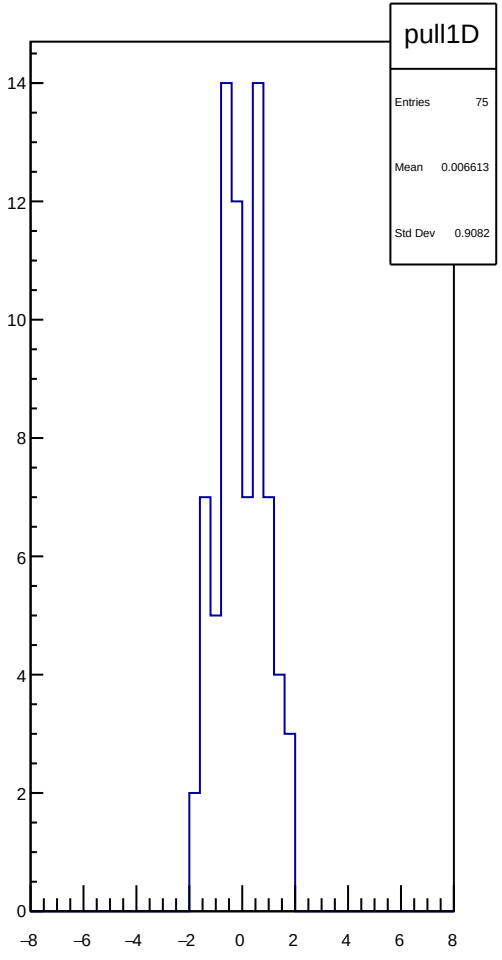

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 62.88 / 74
p0 −0.047 ± 0.3128
pull
Entries 75
Mean −29.27
Std Dev 0

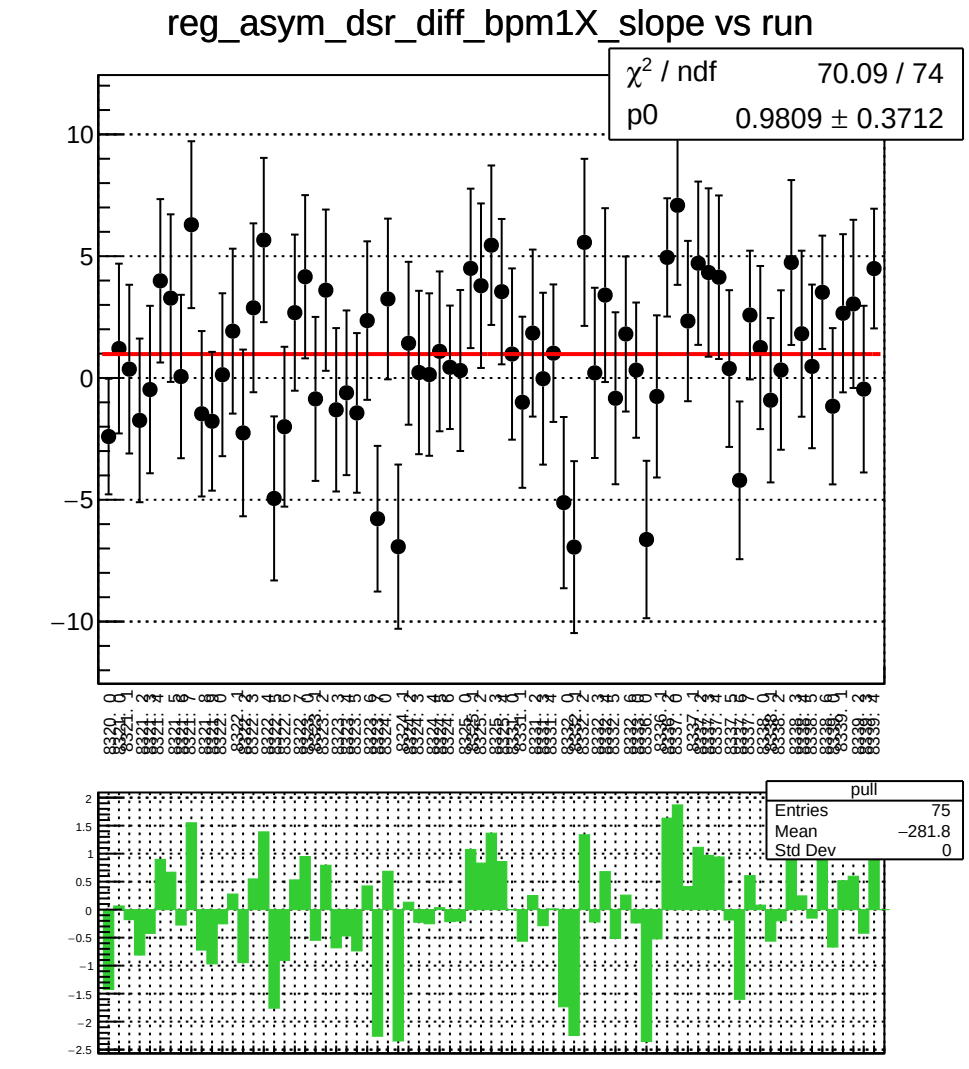

pull1D
Entries 75
Mean 0.01538
Std Dev 0.9155

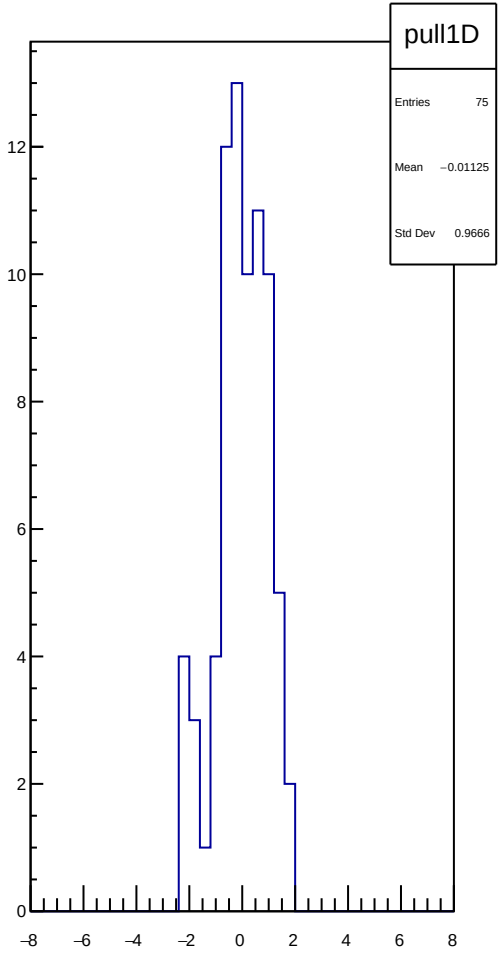

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 74.1 / 74
p0 0.2387 ± 0.5452
pull
Entries 75
Mean 531.1
Std Dev 0

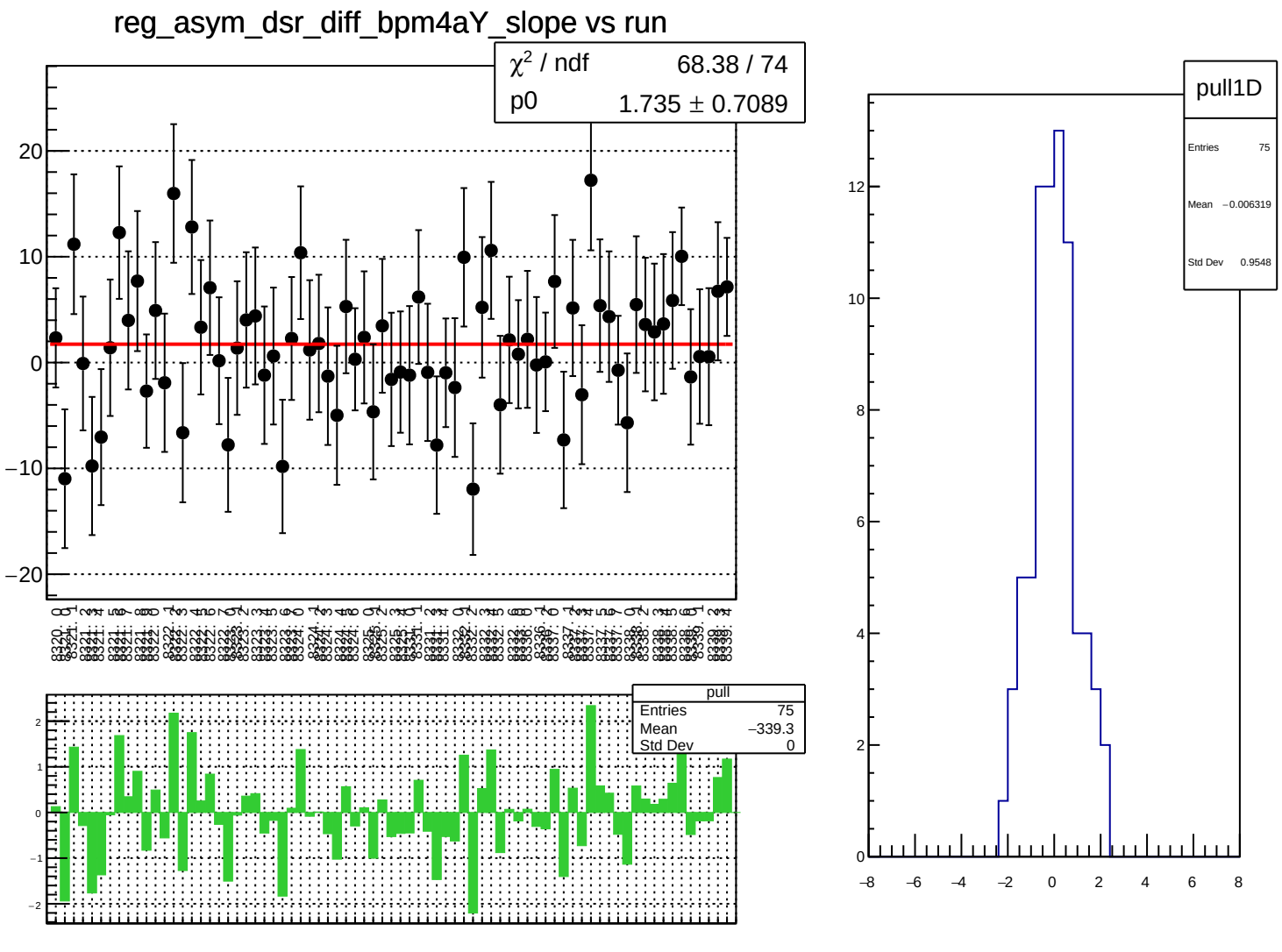

pull1D
Entries 75
Mean −0.004289
Std Dev 0.994

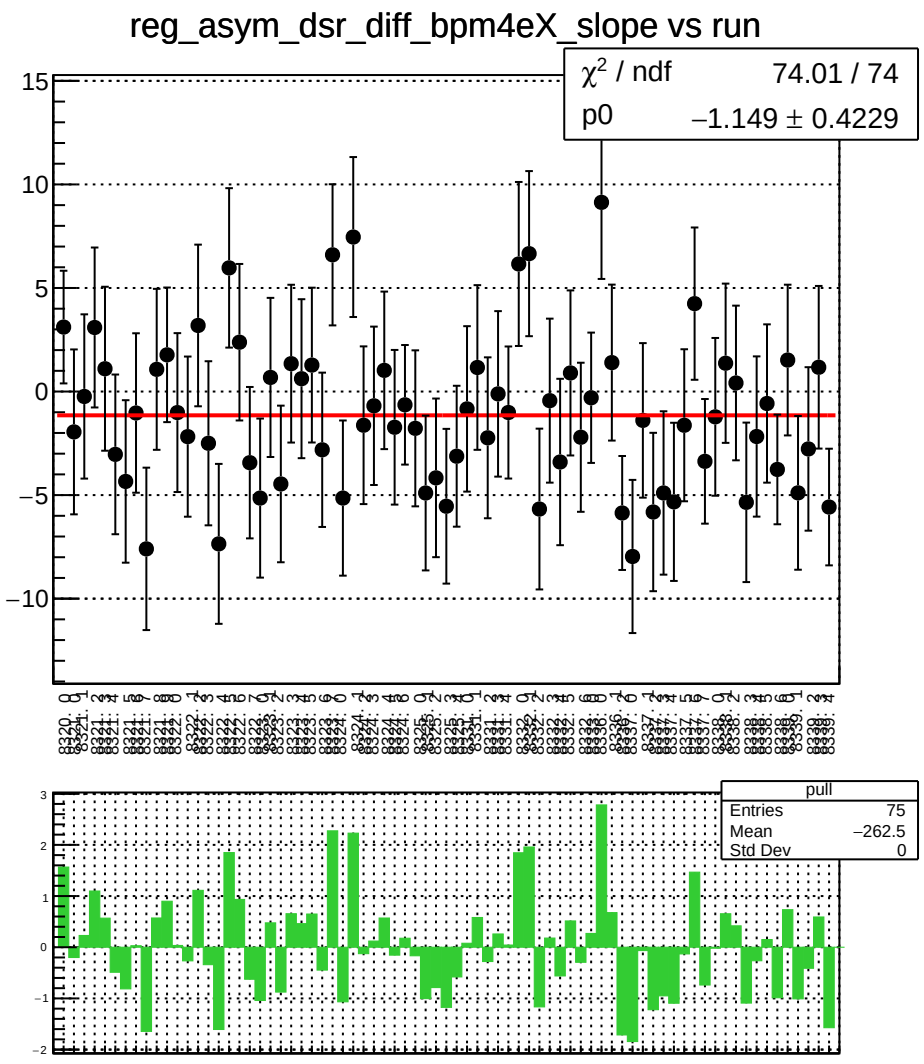

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 61.87 / 74
p0 0.01962 ± 0.03043
pull
Entries 75
Mean −129
Std Dev 0

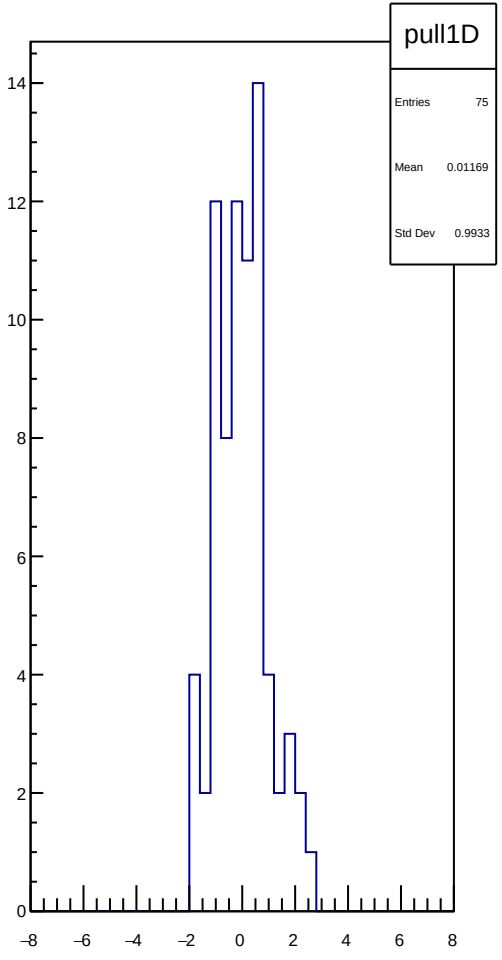

pull1D
Entries 75
Mean 0.006613
Std Dev 0.9082

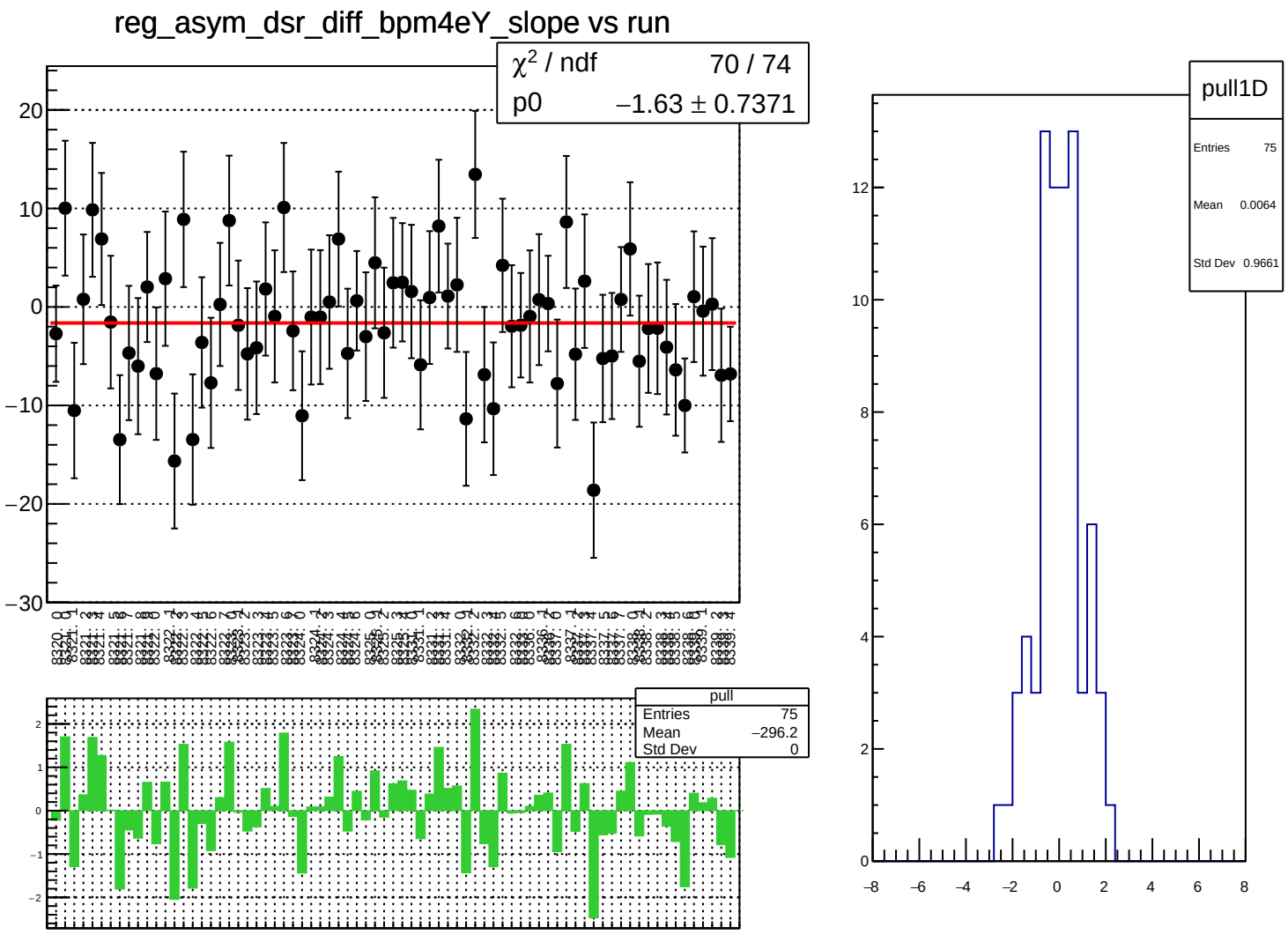

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 70.09 / 74
p0 0.9809 ± 0.3712
pull
Entries 75
Mean −281.8
Std Dev 0

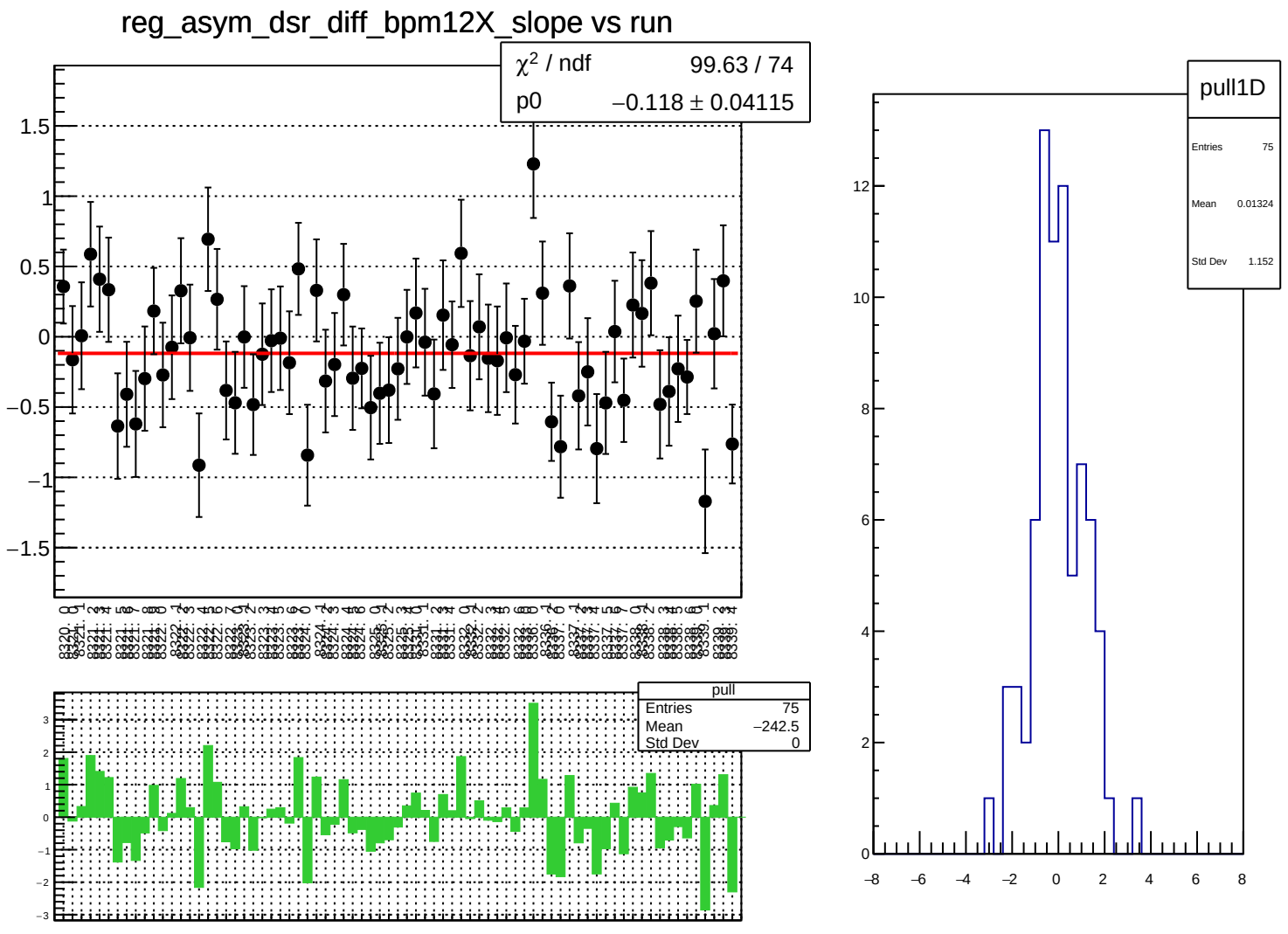

pull1D
Entries 75
Mean −0.01125
Std Dev 0.9666

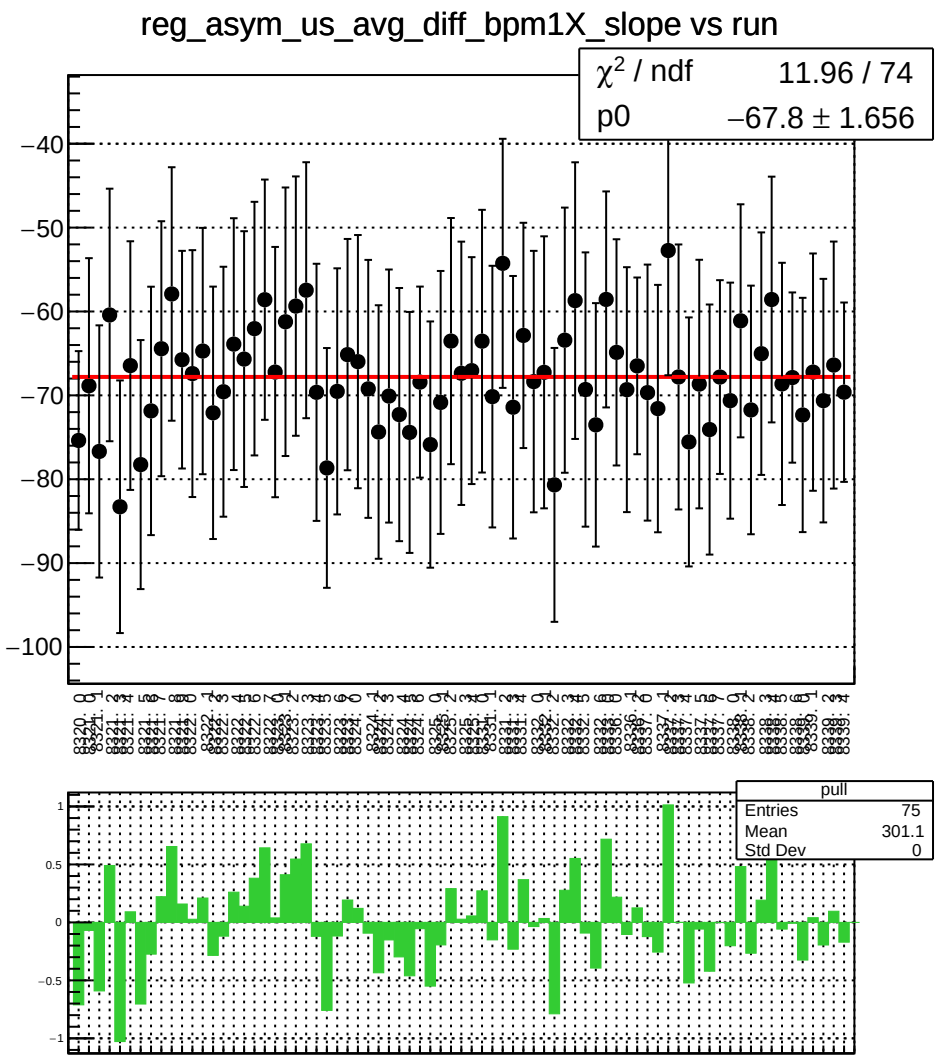

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 68.38 / 74
p0 1.735 ± 0.7089
pull
Entries 75
Mean −339.3
Std Dev 0
pull1D
Entries 75
Mean −0.006319
Std Dev 0.9548

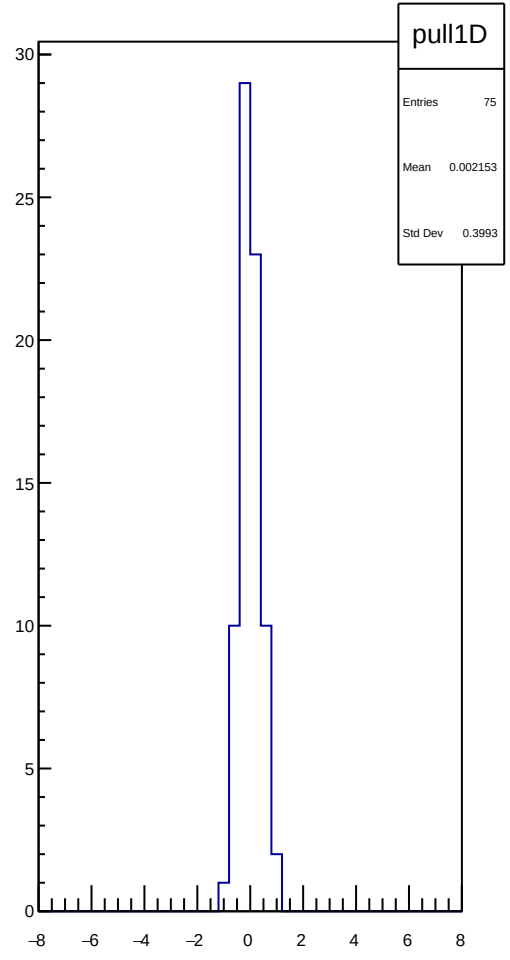

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 74.01 / 74
p0 −1.149 ± 0.4229
pull
Entries 75
Mean −262.5
Std Dev 0

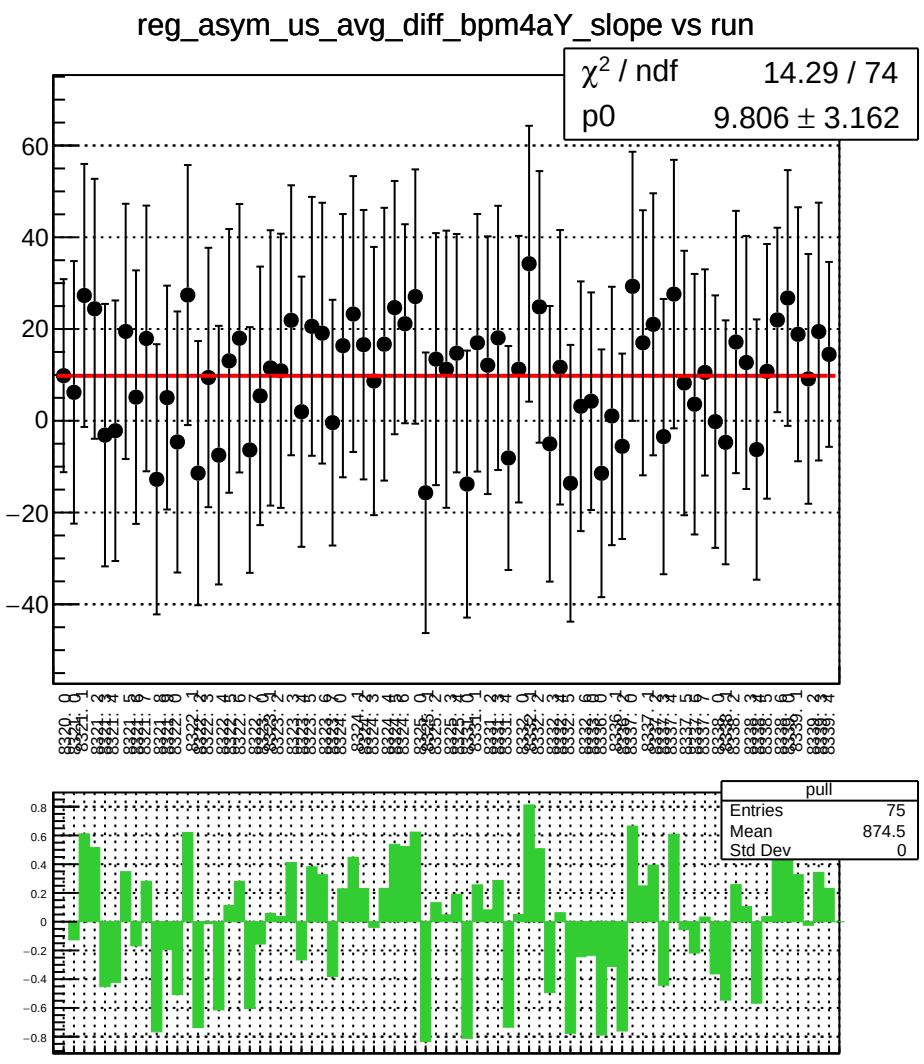

pull1D
Entries 75
Mean 0.01169
Std Dev 0.9933

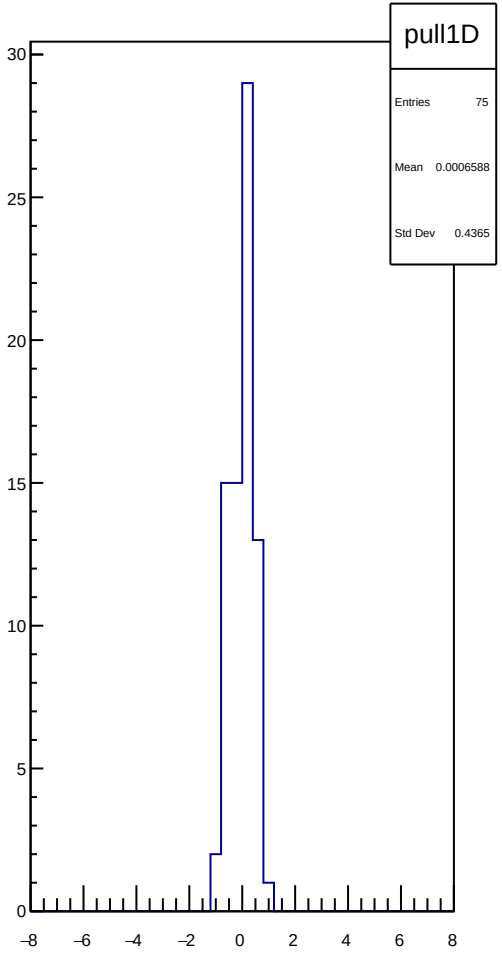

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 70 / 74
p0 −1.63 ± 0.7371
pull
Entries 75
Mean −296.2
Std Dev 0
pull1D
Entries 75
Mean 0.0064
Std Dev 0.9661

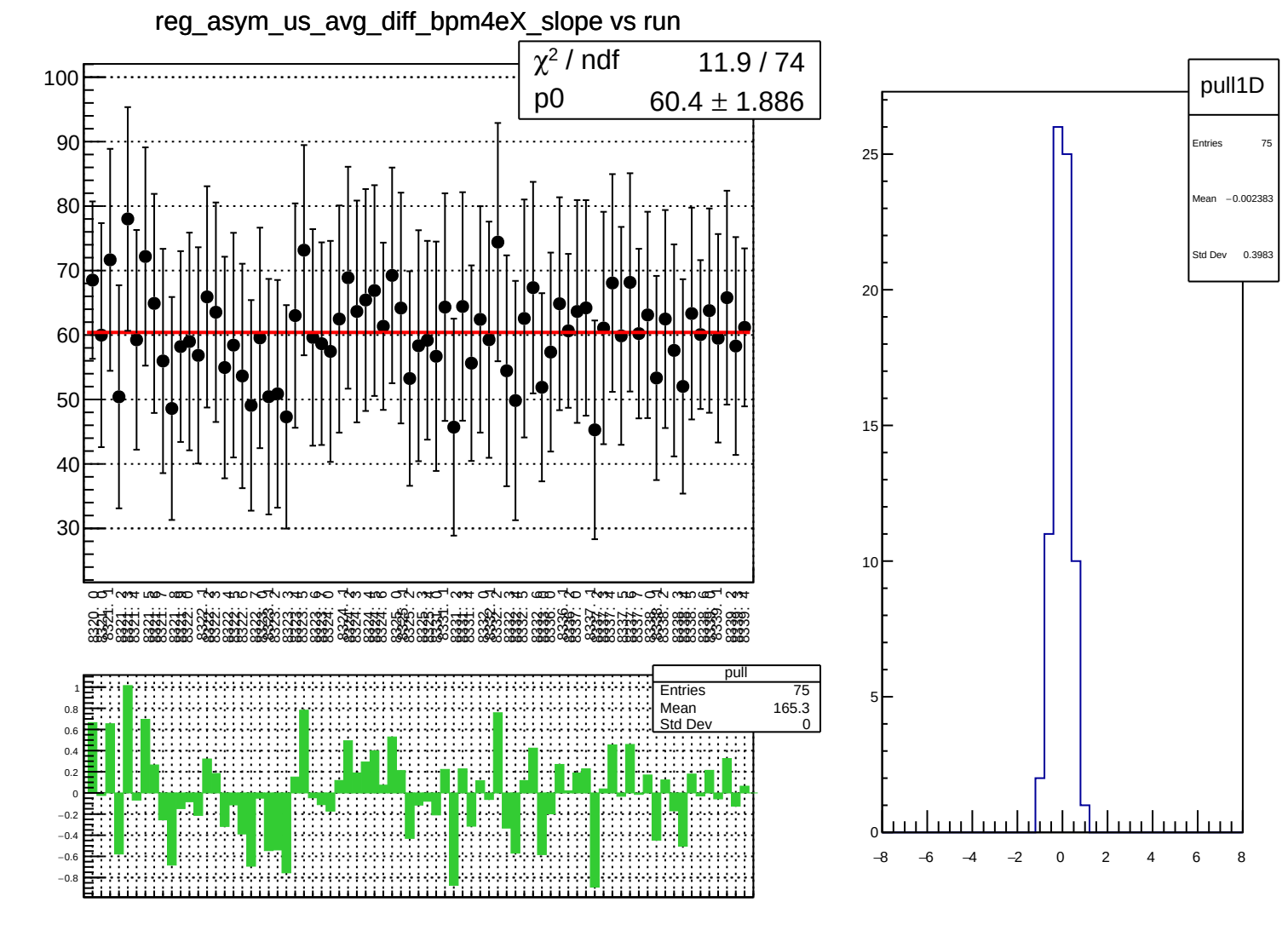

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 99.63 / 74
p0 −0.118 ± 0.04115
pull
Entries 75
Mean −242.5
Std Dev 0
pull1D
Entries 75
Mean 0.01324
Std Dev 1.152

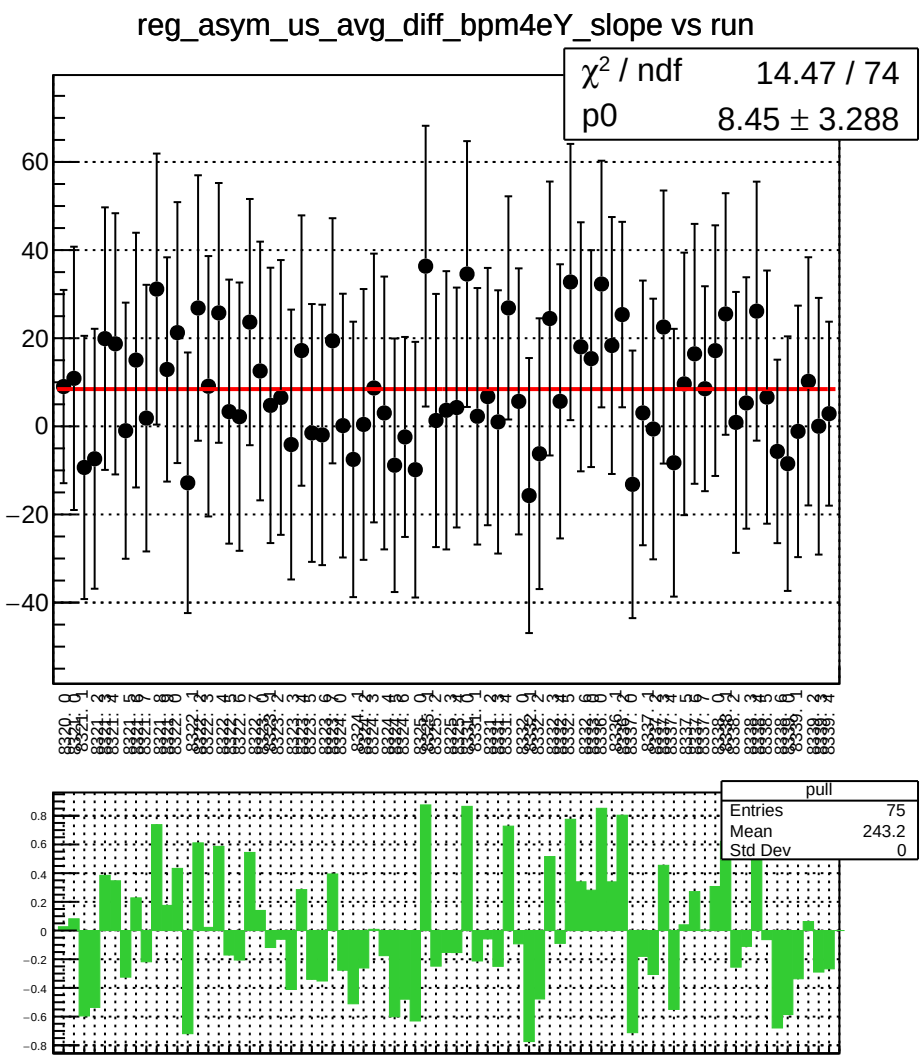

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 11.96 / 74
p0 −67.8 ± 1.656
pull
Entries 75
Mean 301.1
Std Dev 0

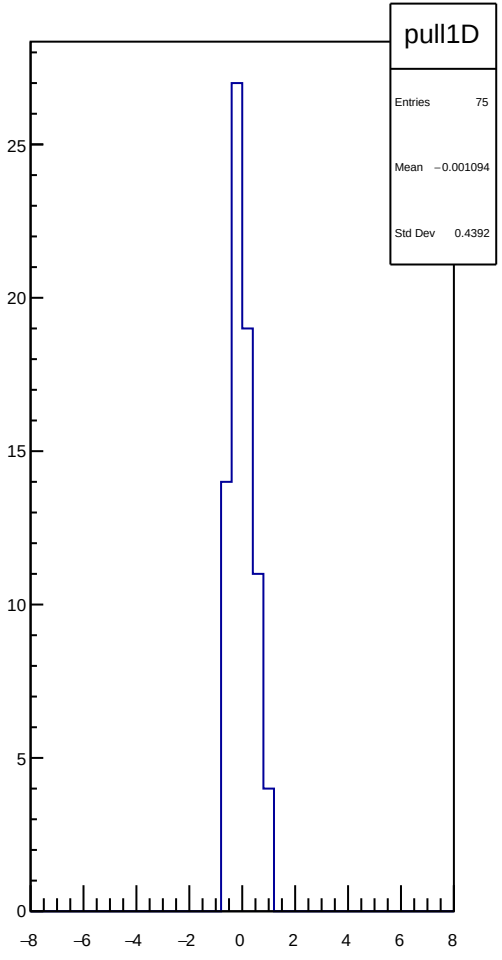

pull1D
Entries 75
Mean 0.002153
Std Dev 0.3993

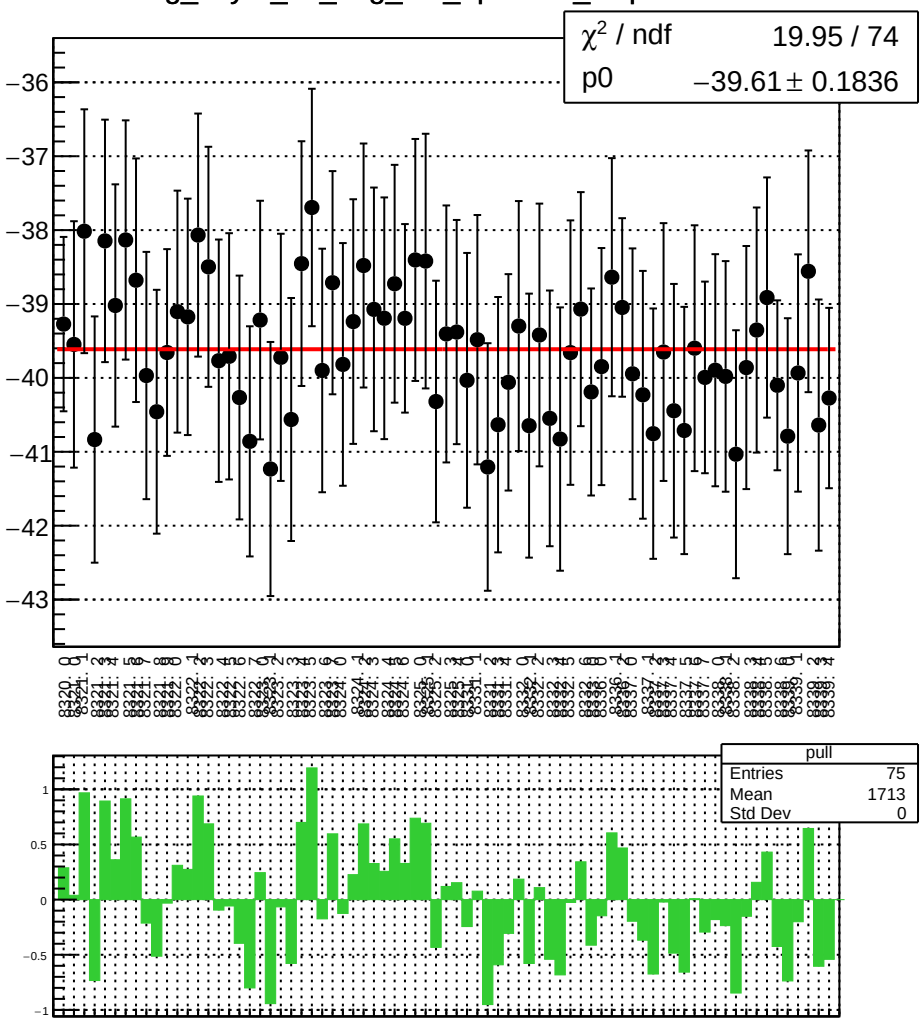

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.29 / 74
p0 9.806 ± 3.162
pull
Entries 75
Mean 874.5
Std Dev 0

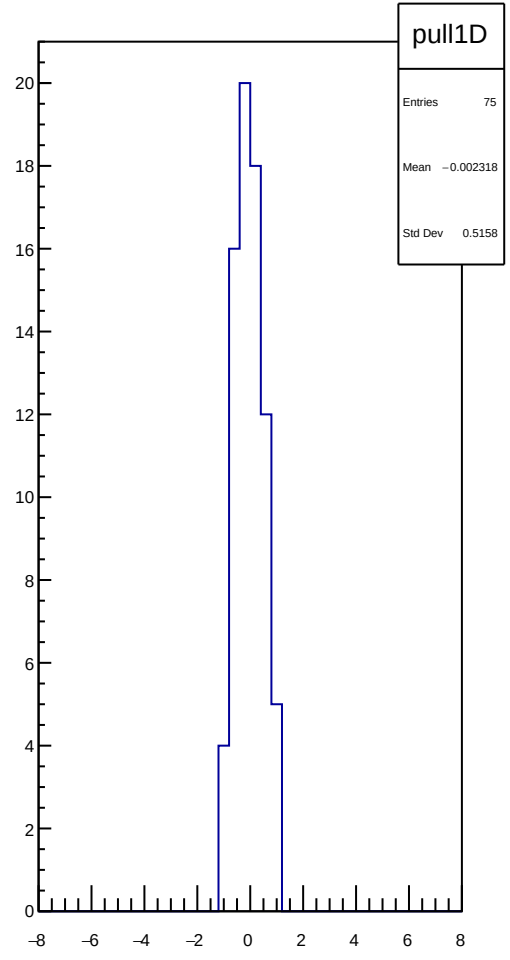

pull1D
Entries 75
Mean 0.0006588
Std Dev 0.4365

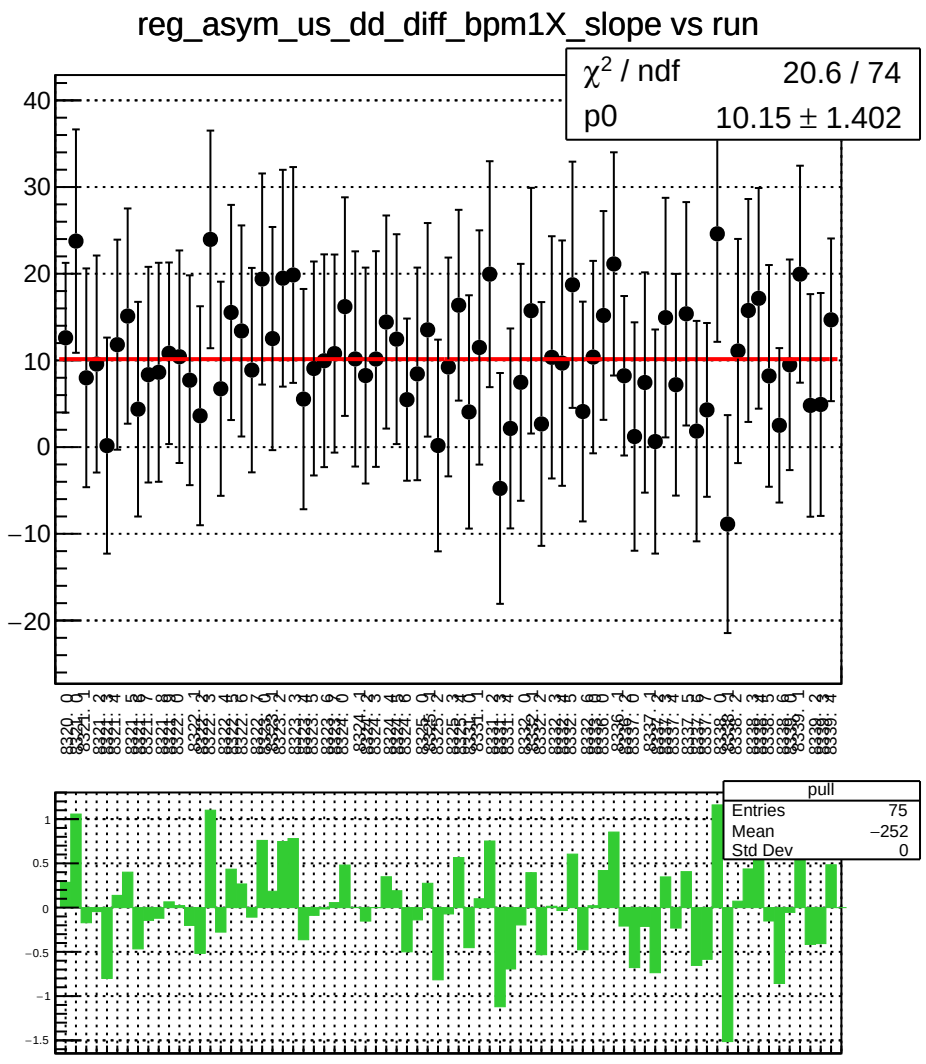

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.9 / 74
p0 60.4 ± 1.886
pull
Entries 75
Mean 165.3
Std Dev 0
pull1D
Entries 75
Mean −0.002383
Std Dev 0.3983

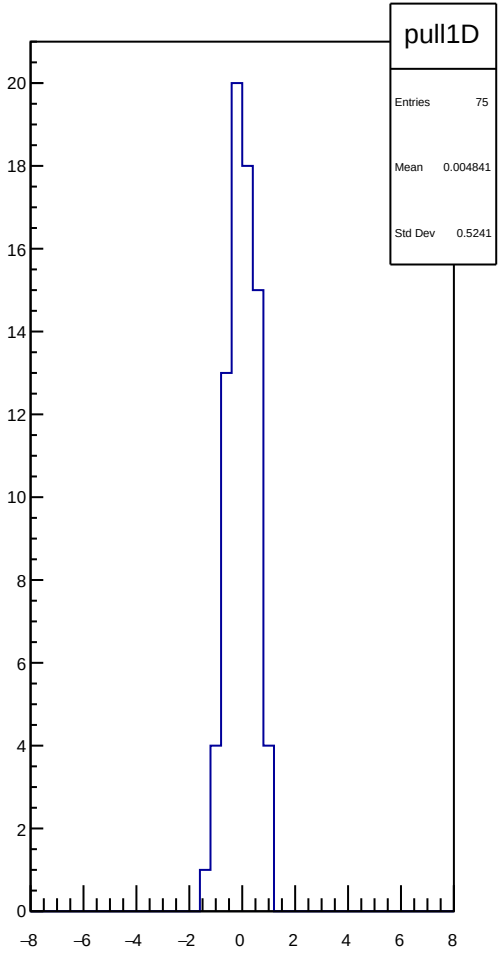

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.47 / 74
p0 8.45 ± 3.288
pull
Entries 75
Mean 243.2
Std Dev 0

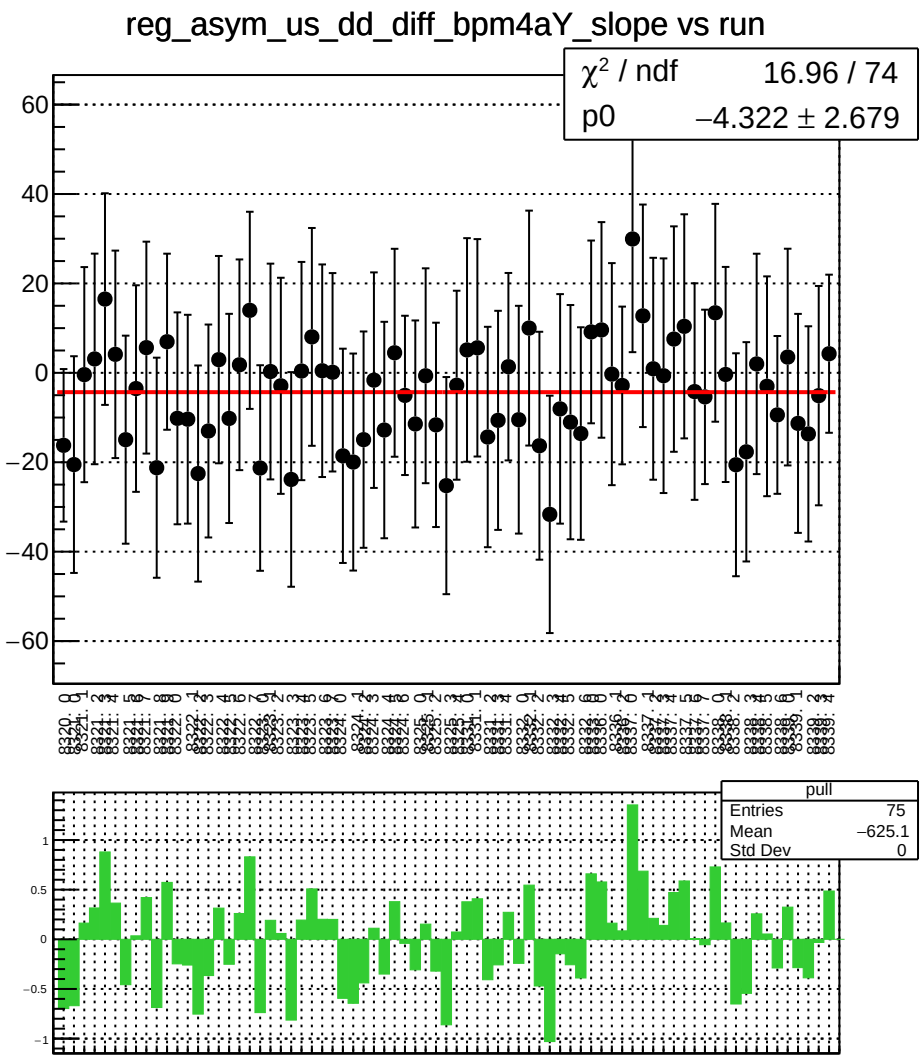

pull1D
Entries 75
Mean −0.001094
Std Dev 0.4392

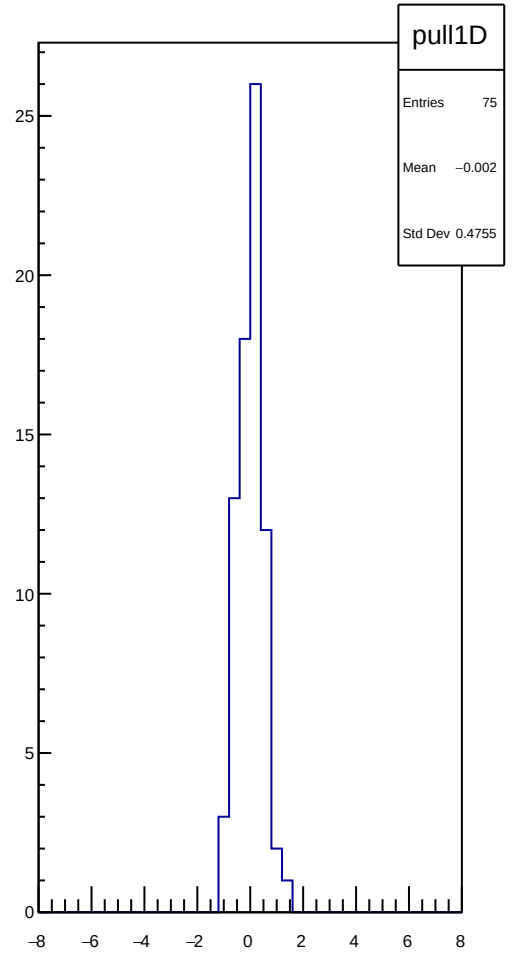

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 19.95 / 74
p0 −39.61 ± 0.1836
pull
Entries 75
Mean 1713
Std Dev 0

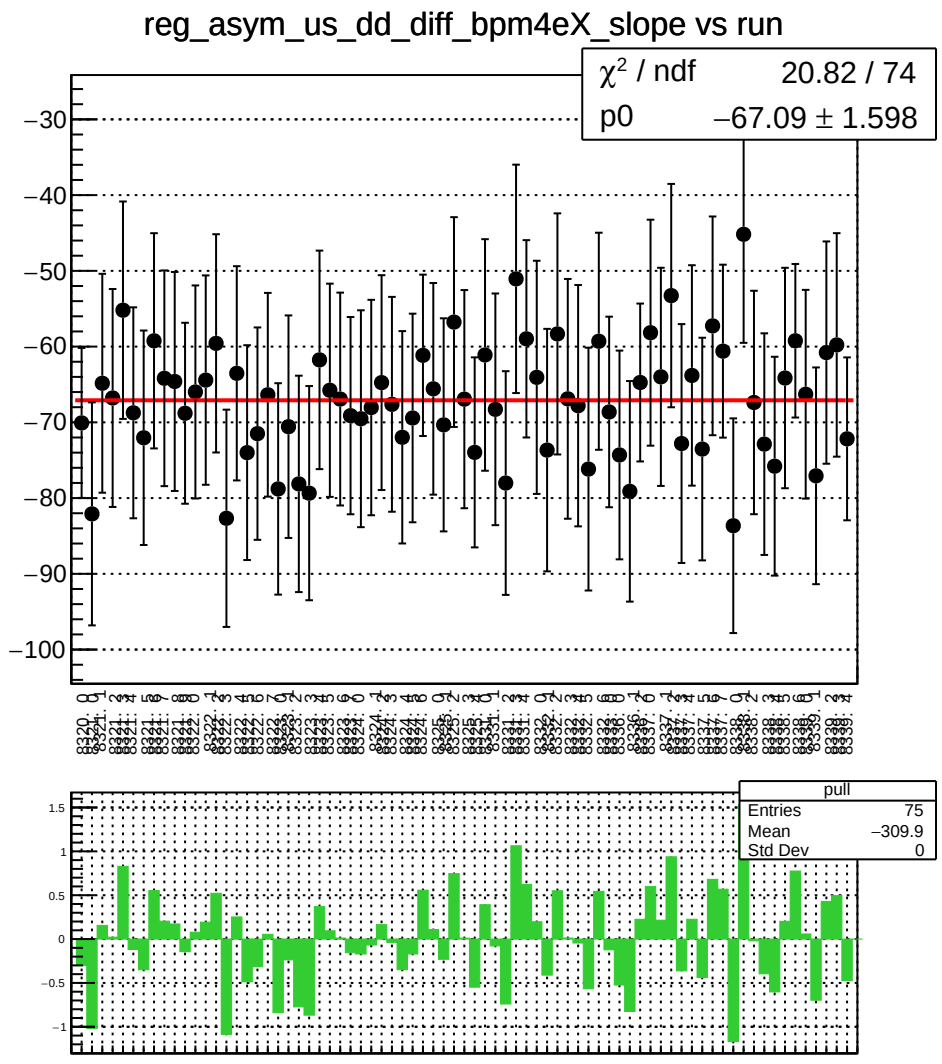

pull1D
Entries 75
Mean −0.002318
Std Dev 0.5158

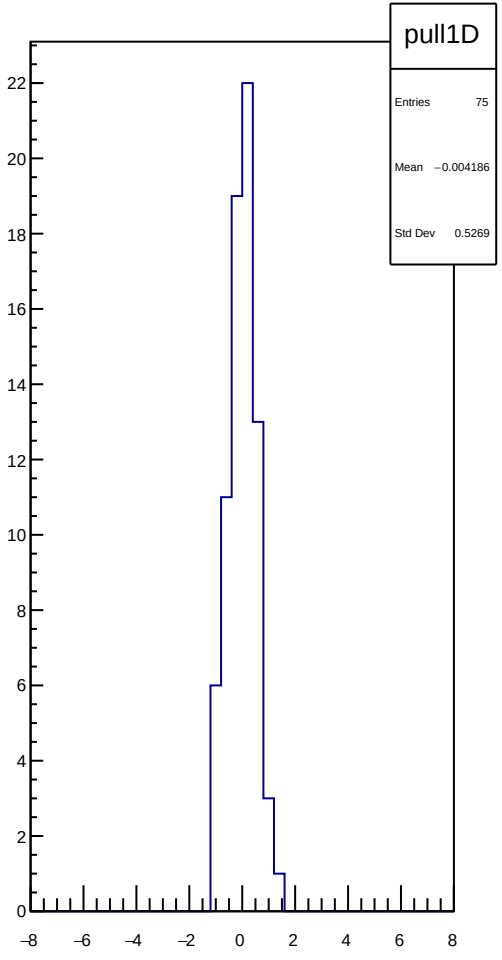

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 20.6 / 74
p0 10.15 ± 1.402
pull
Entries 75
Mean −252
Std Dev 0

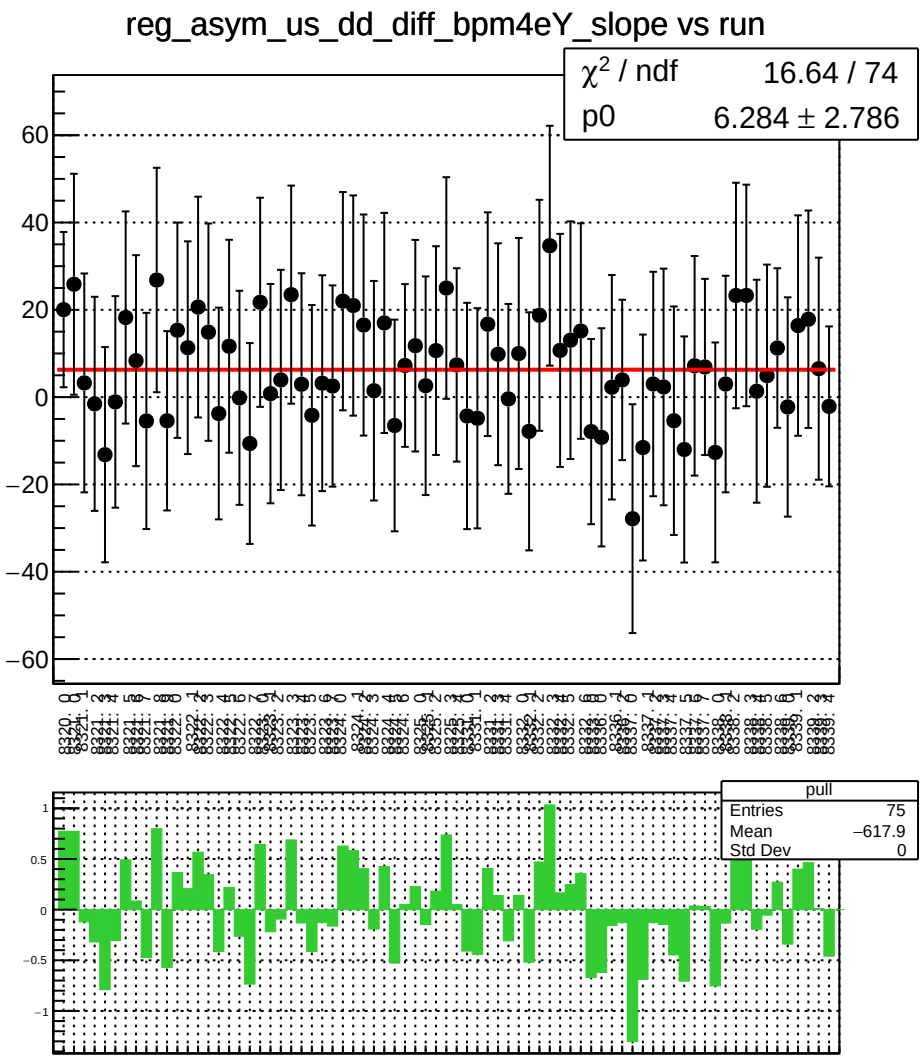

pull1D
Entries 75
Mean 0.004841
Std Dev 0.5241

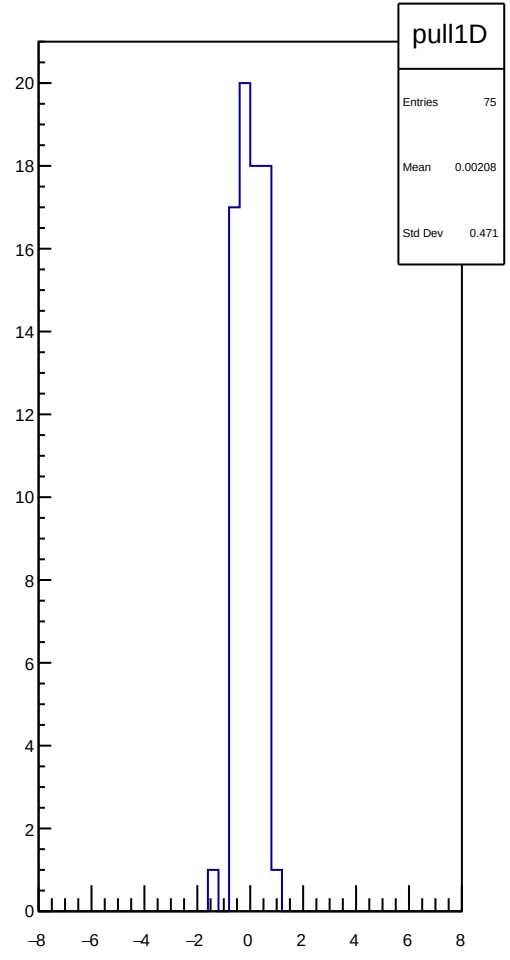

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.96 / 74
p0 −4.322 ± 2.679
pull
Entries 75
Mean −625.1
Std Dev 0

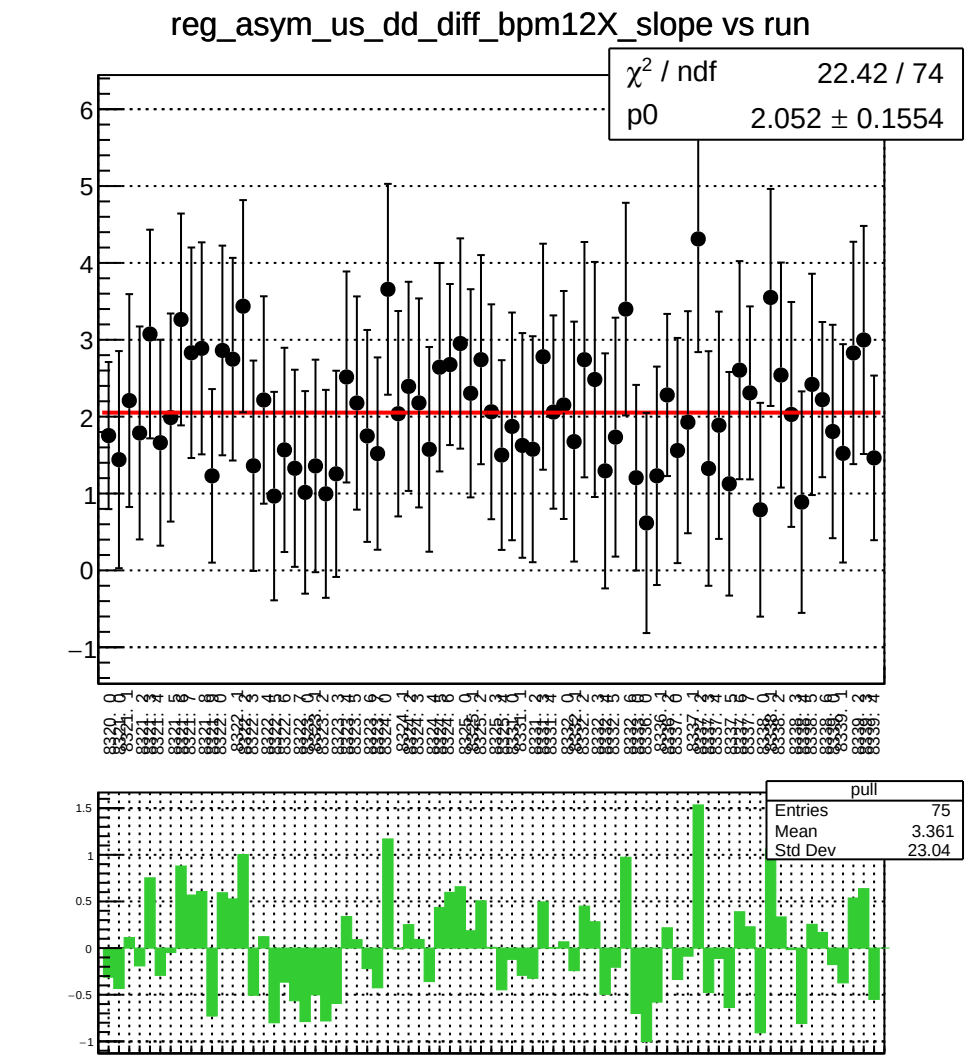

pull1D
Entries 75
Mean −0.002
Std Dev 0.4755

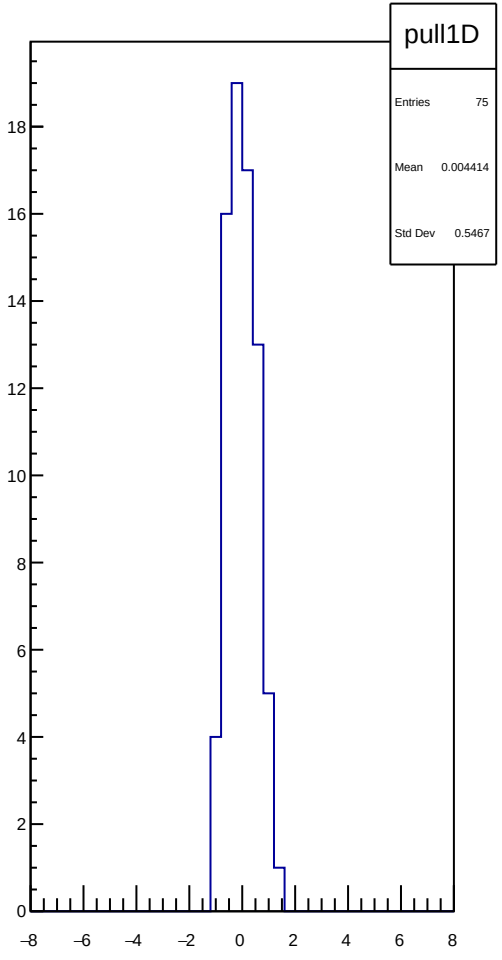

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.82 / 74
p0 −67.09 ± 1.598
pull
Entries 75
Mean −309.9
Std Dev 0

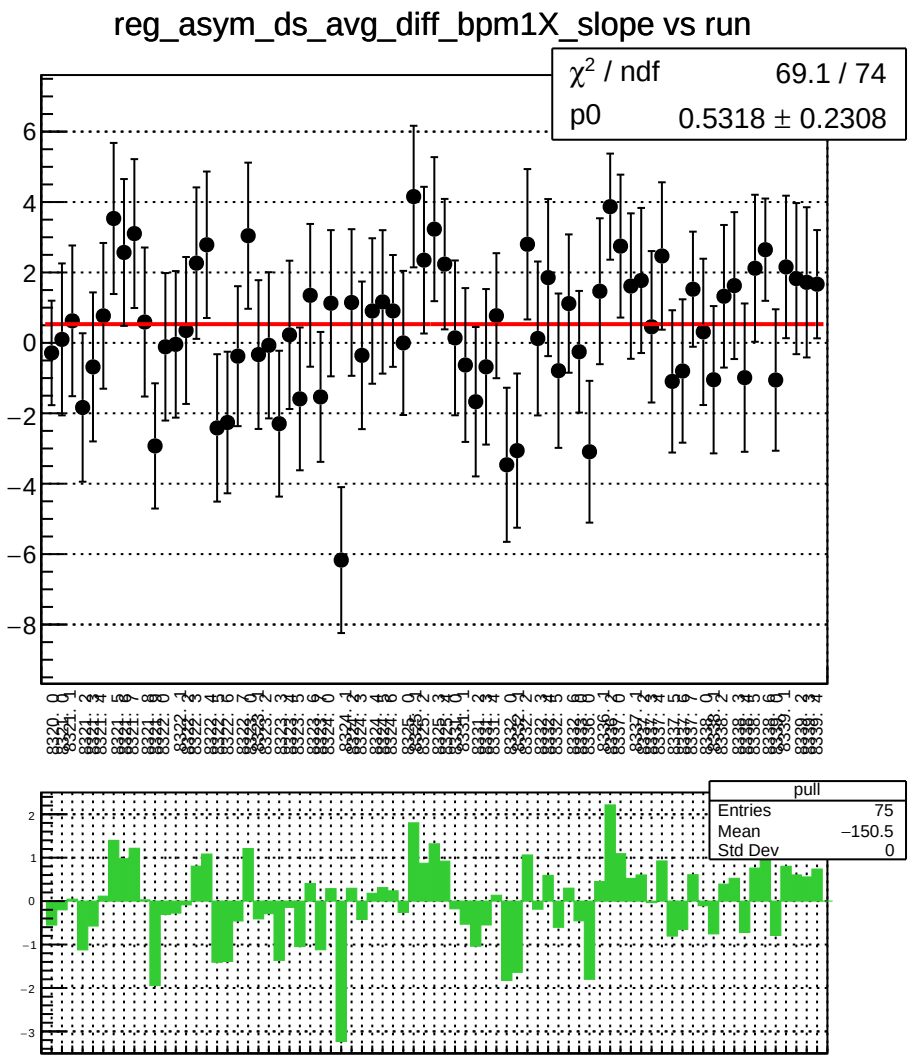

pull1D
Entries 75
Mean −0.004186
Std Dev 0.5269

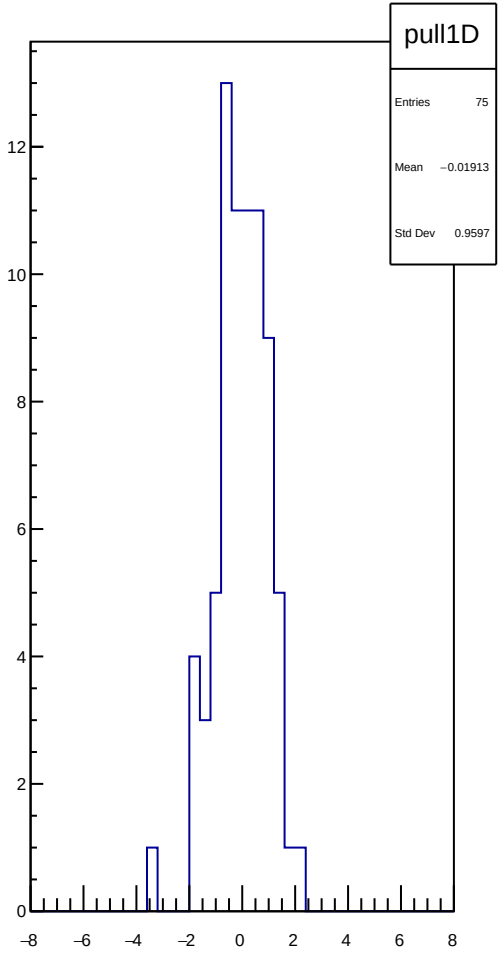

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.64 / 74
p0 6.284 ± 2.786
pull
Entries 75
Mean −617.9
Std Dev 0

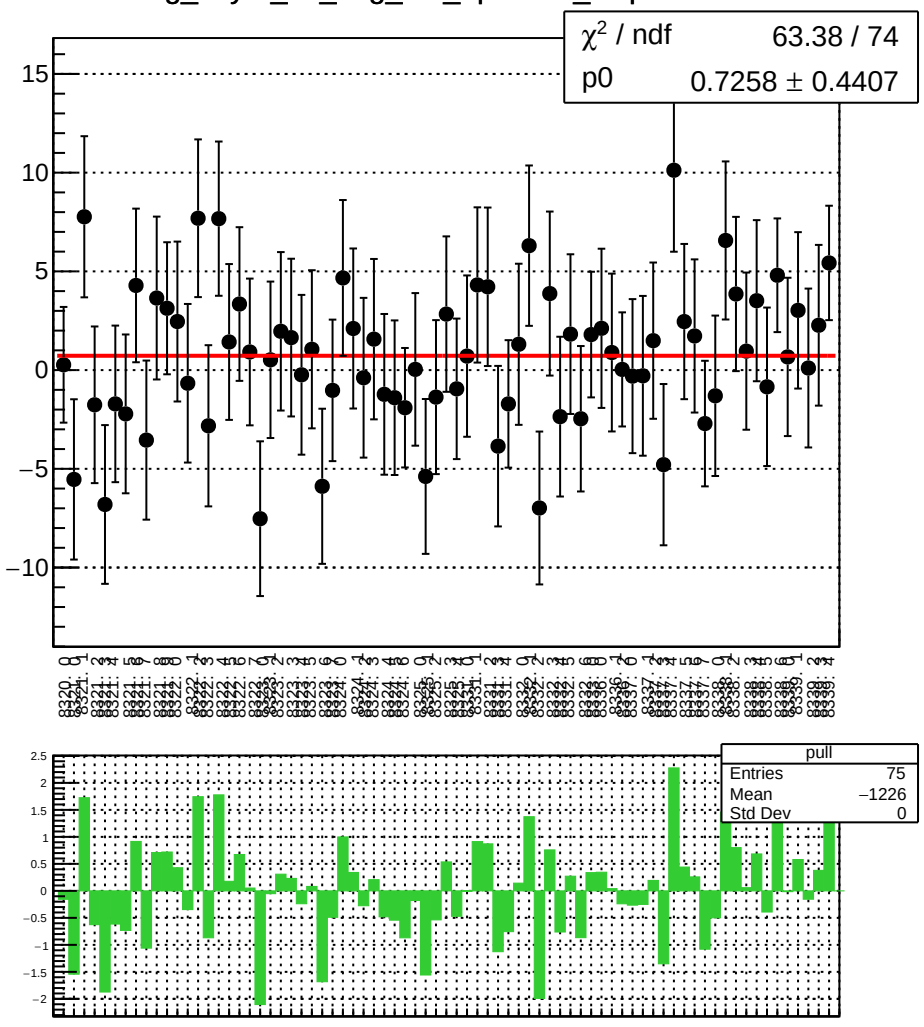

pull1D
Entries 75
Mean 0.00208
Std Dev 0.471

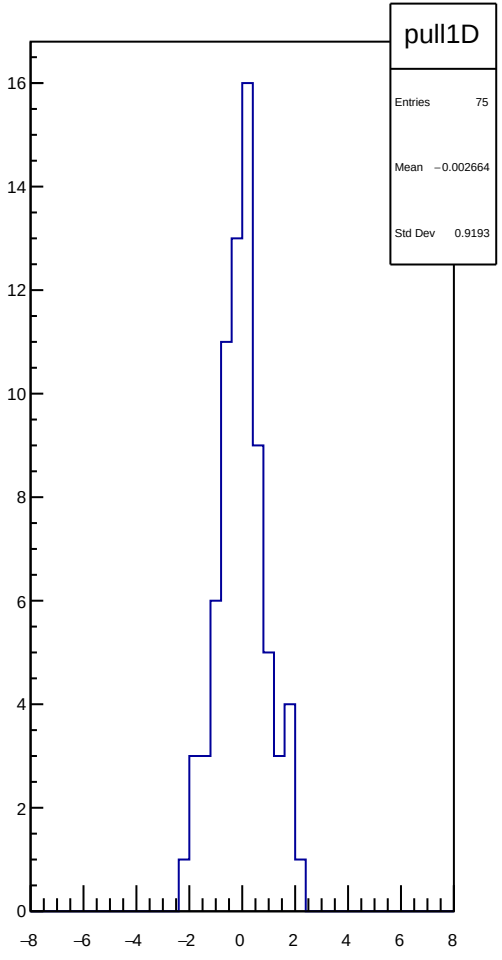

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 22.42 / 74
p0 2.052 ± 0.1554
pull
Entries 75
Mean 3.361
Std Dev 23.04

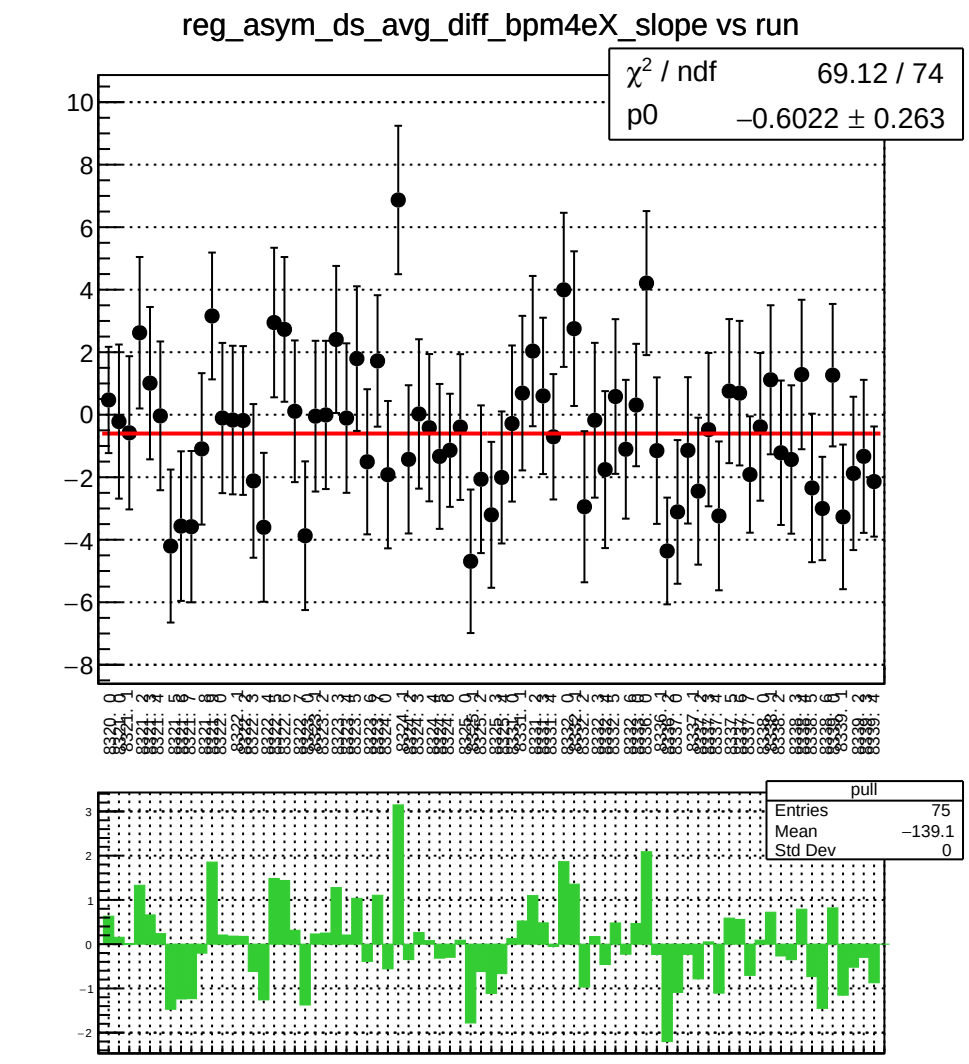

pull1D
Entries 75
Mean 0.004414
Std Dev 0.5467

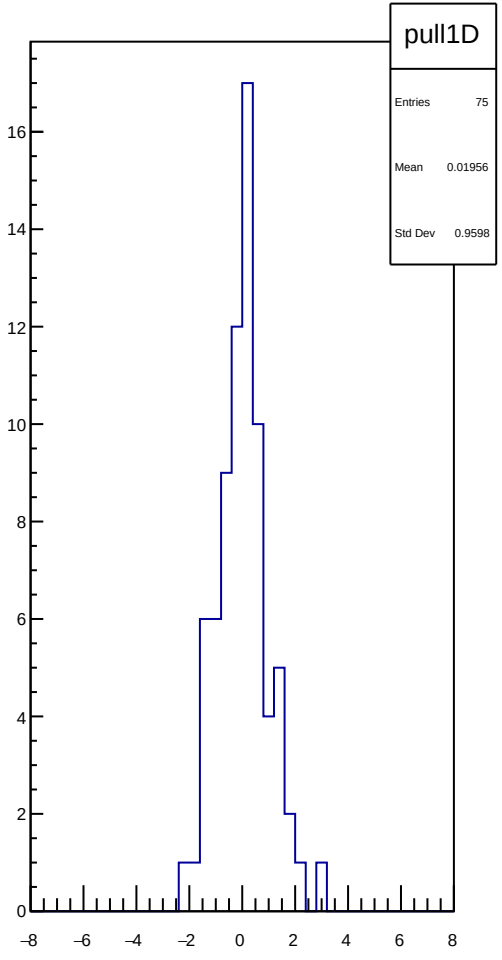

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 69.1 / 74
p0 0.5318 ± 0.2308
pull
Entries 75
Mean −150.5
Std Dev 0

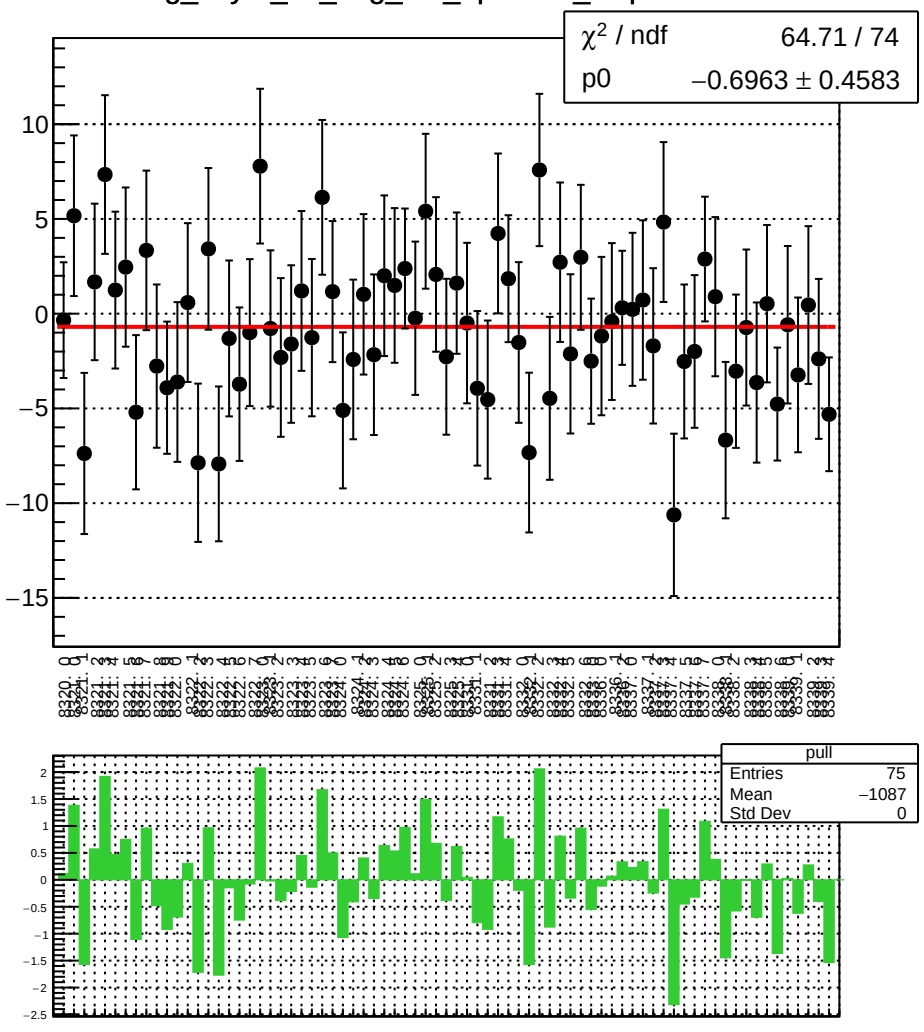

pull1D
Entries 75
Mean −0.01913
Std Dev 0.9597

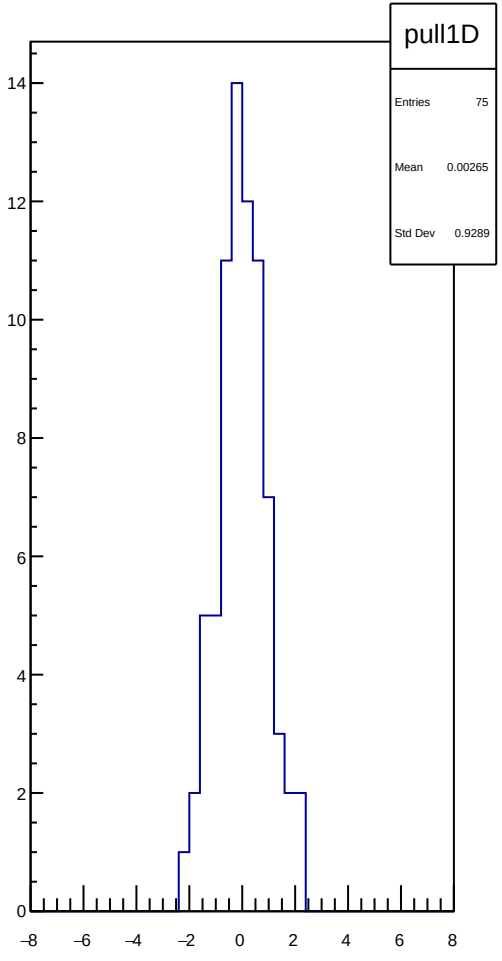

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.38 / 74
p0 0.7258 ± 0.4407
pull
Entries 75
Mean −1226
Std Dev 0

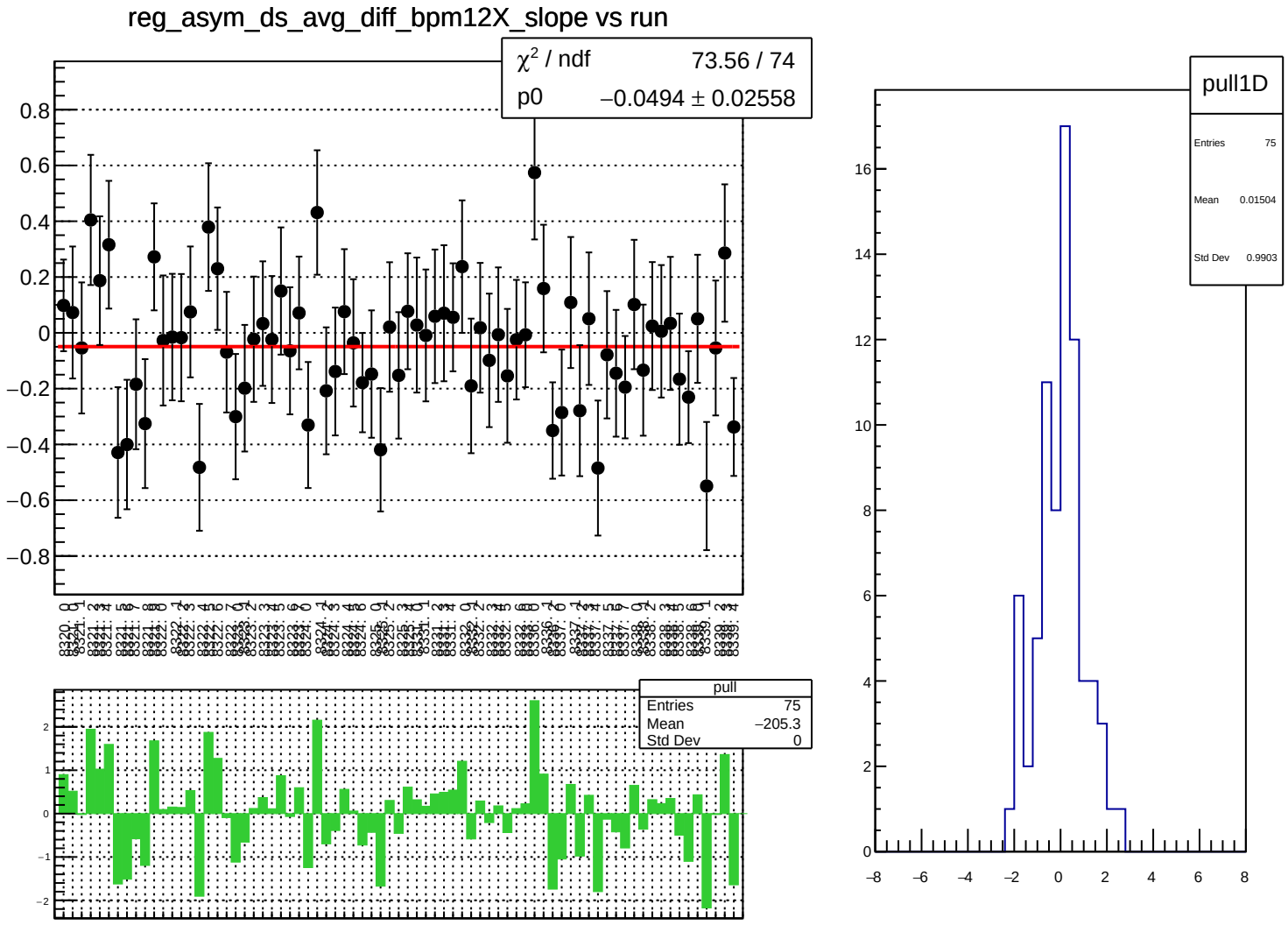

pull1D
Entries 75
Mean −0.002664
Std Dev 0.9193

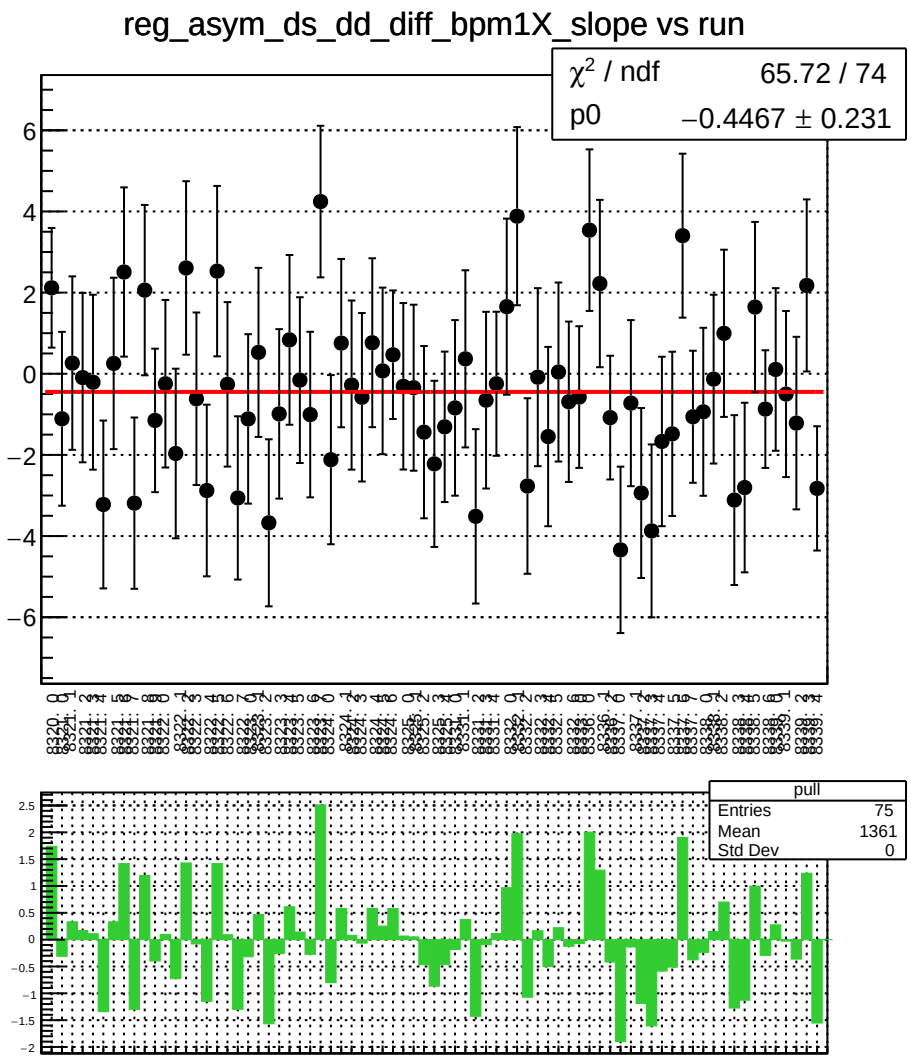

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.12 / 74
p0 −0.6022 ± 0.263
pull
Entries 75
Mean −139.1
Std Dev 0

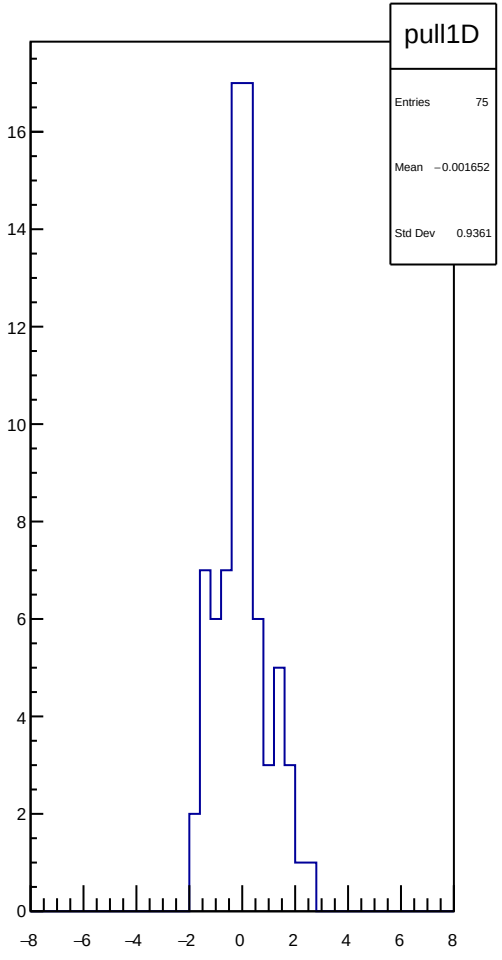

pull1D
Entries 75
Mean 0.01956
Std Dev 0.9598

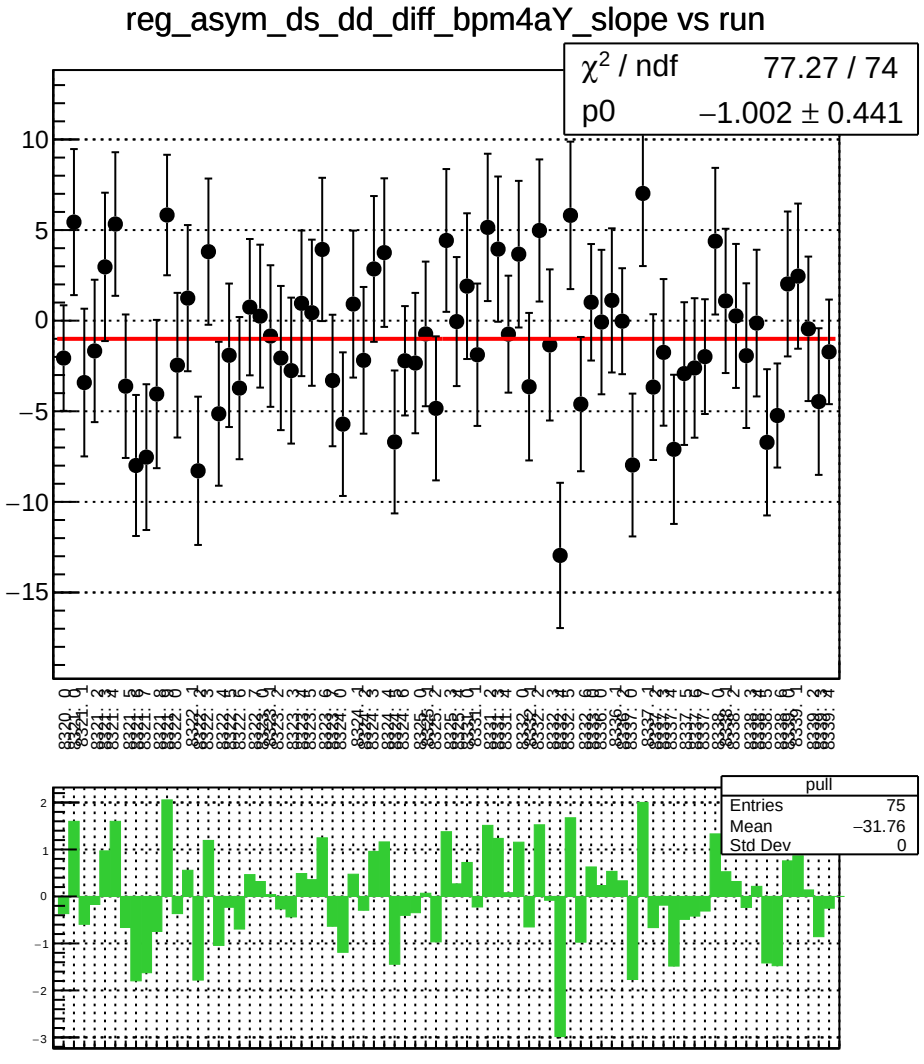

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.71 / 74
p0 −0.6963 ± 0.4583
pull
Entries 75
Mean −1087
Std Dev 0

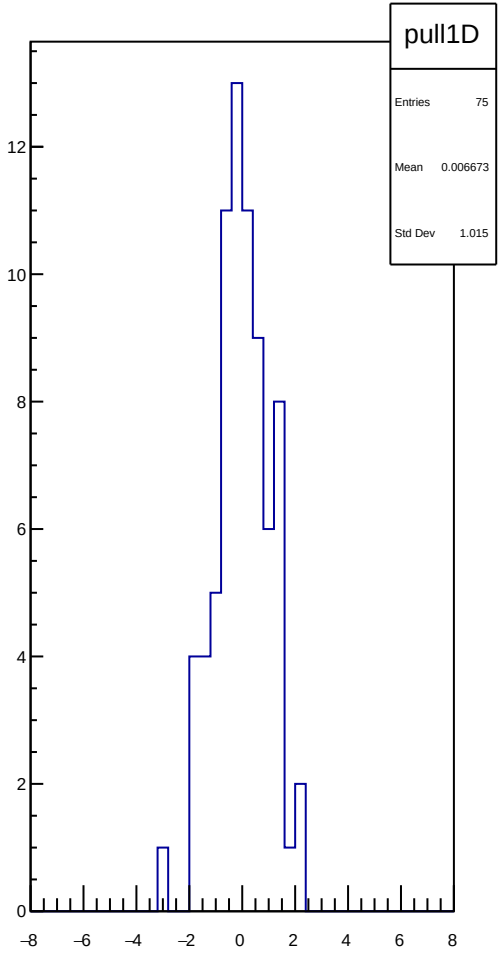

pull1D
Entries 75
Mean 0.00265
Std Dev 0.9289

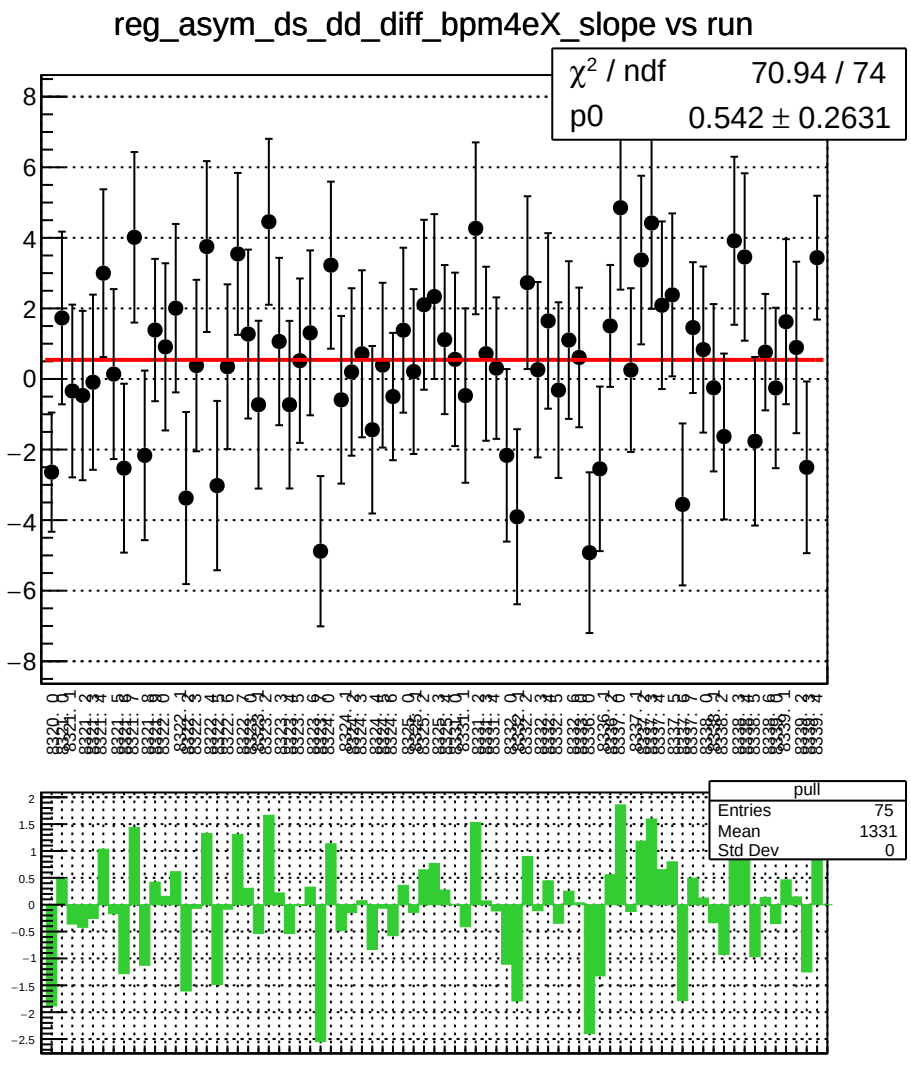

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 73.56 / 74
p0 −0.0494 ± 0.02558
pull
Entries 75
Mean −205.3
Std Dev 0
pull1D
Entries 75
Mean 0.01504
Std Dev 0.9903

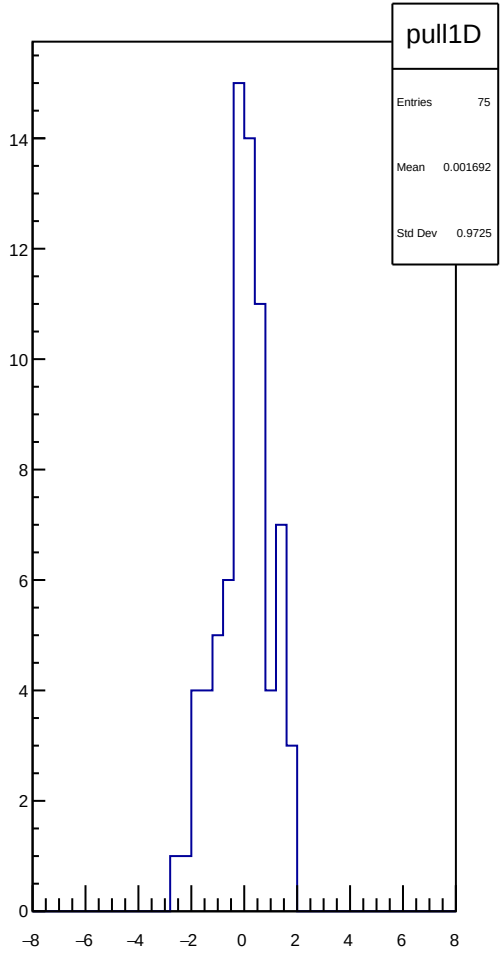

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 65.72 / 74
p0 −0.4467 ± 0.231
pull
Entries 75
Mean 1361
Std Dev 0

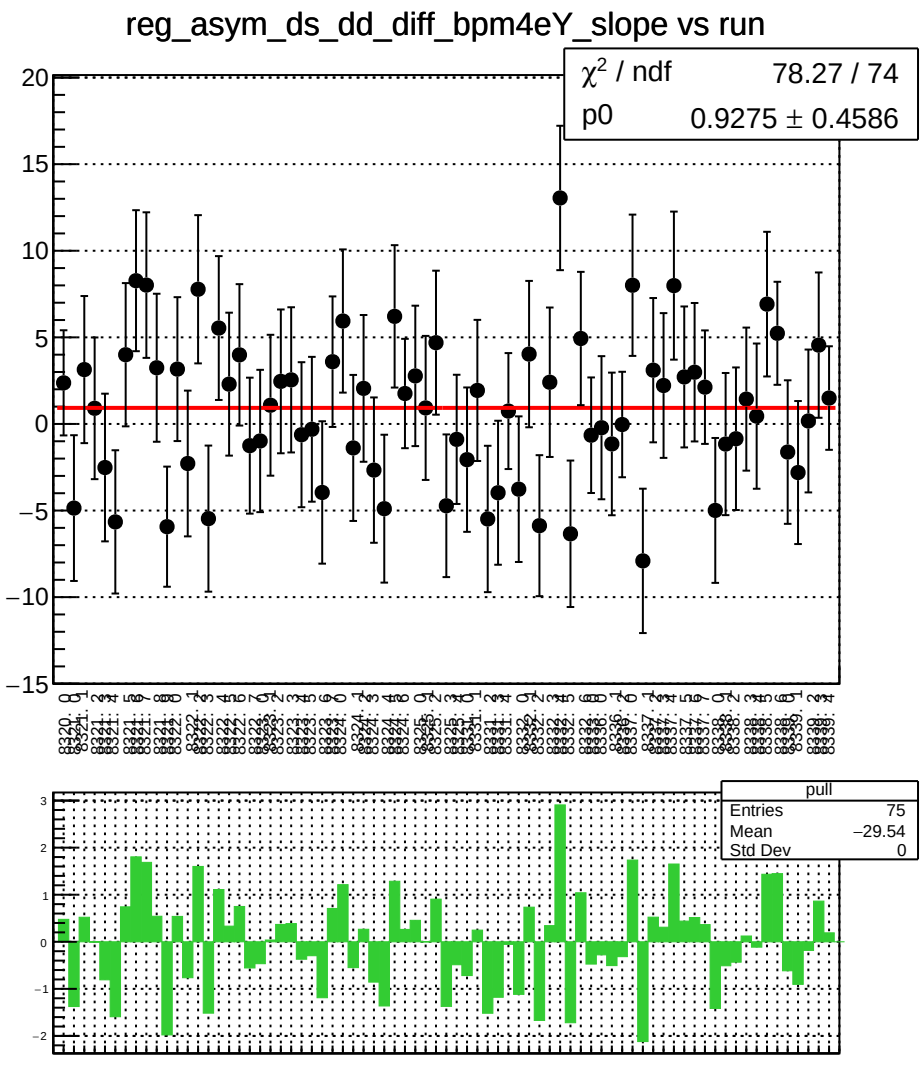

pull1D
Entries 75
Mean −0.001652
Std Dev 0.9361

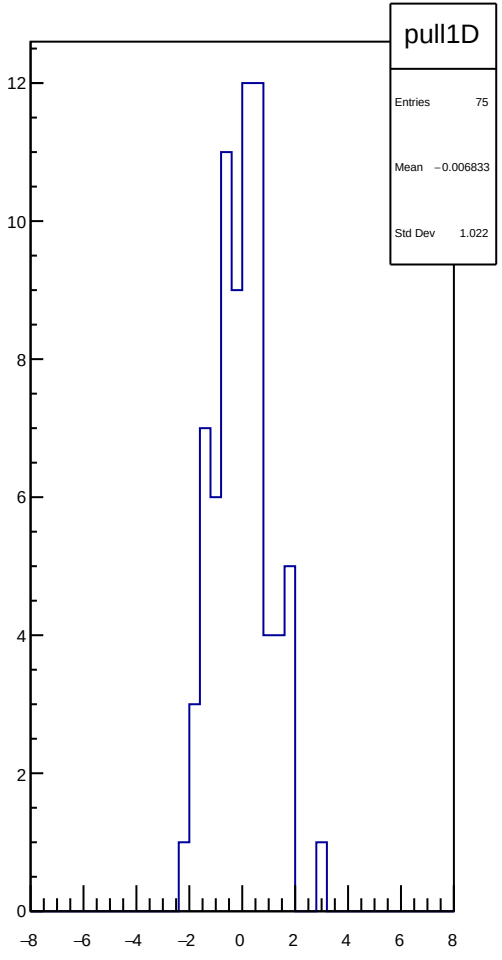

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.27 / 74
p0 −1.002 ± 0.441
pull
Entries 75
Mean −31.76
Std Dev 0

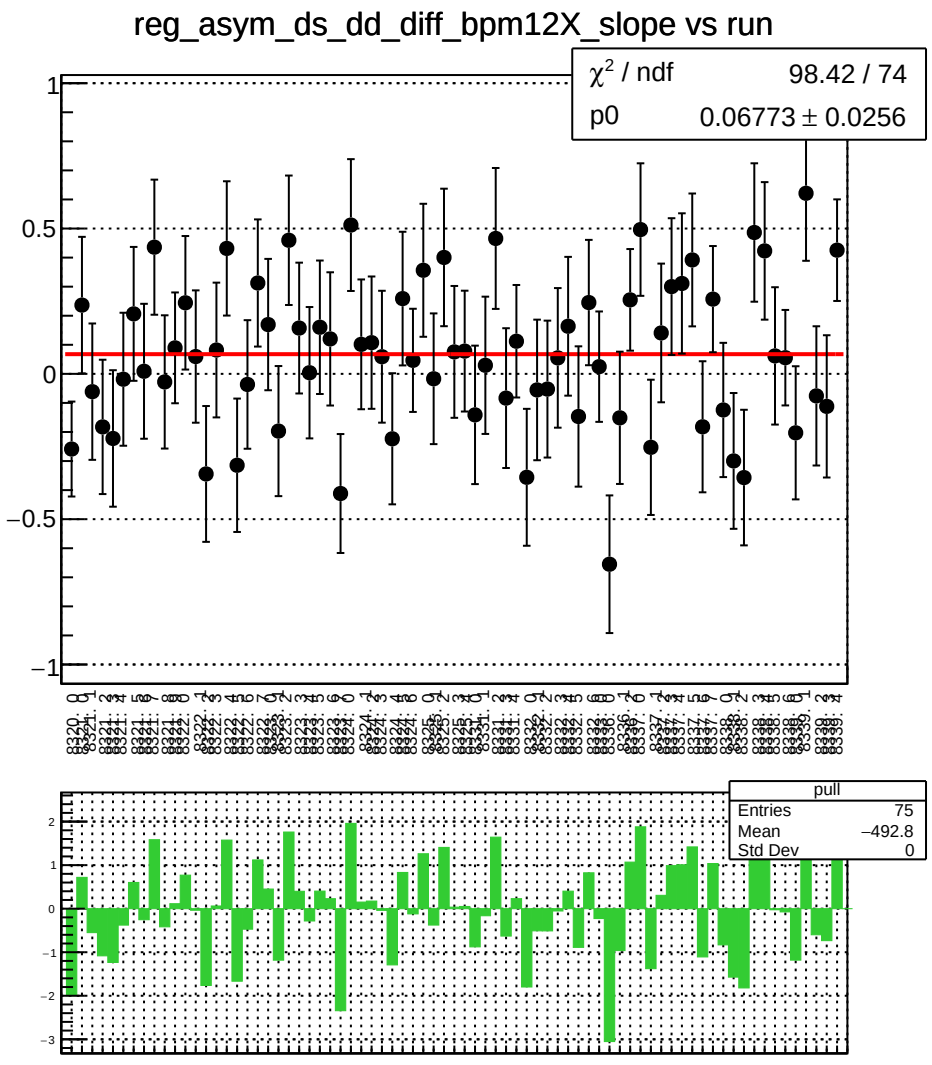

pull1D
Entries 75
Mean 0.006673
Std Dev 1.015

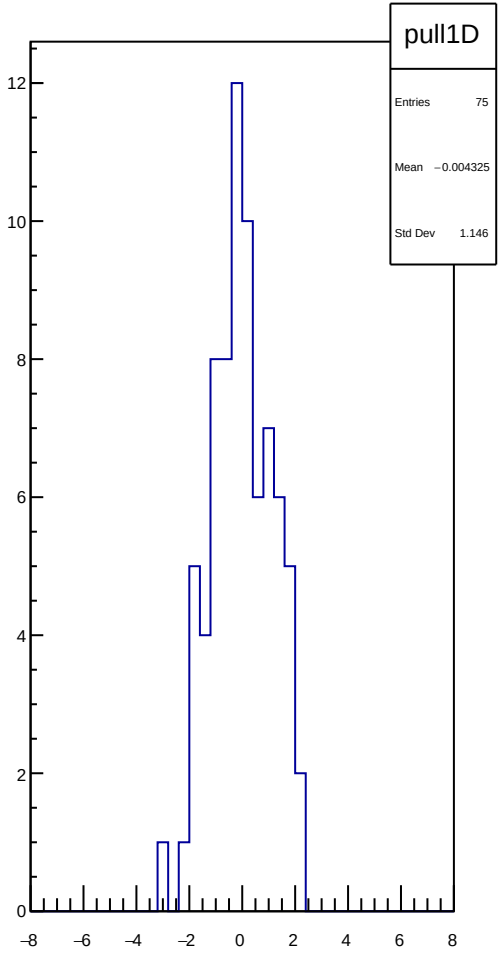

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.94 / 74
p0 0.542 ± 0.2631
pull
Entries 75
Mean 1331
Std Dev 0

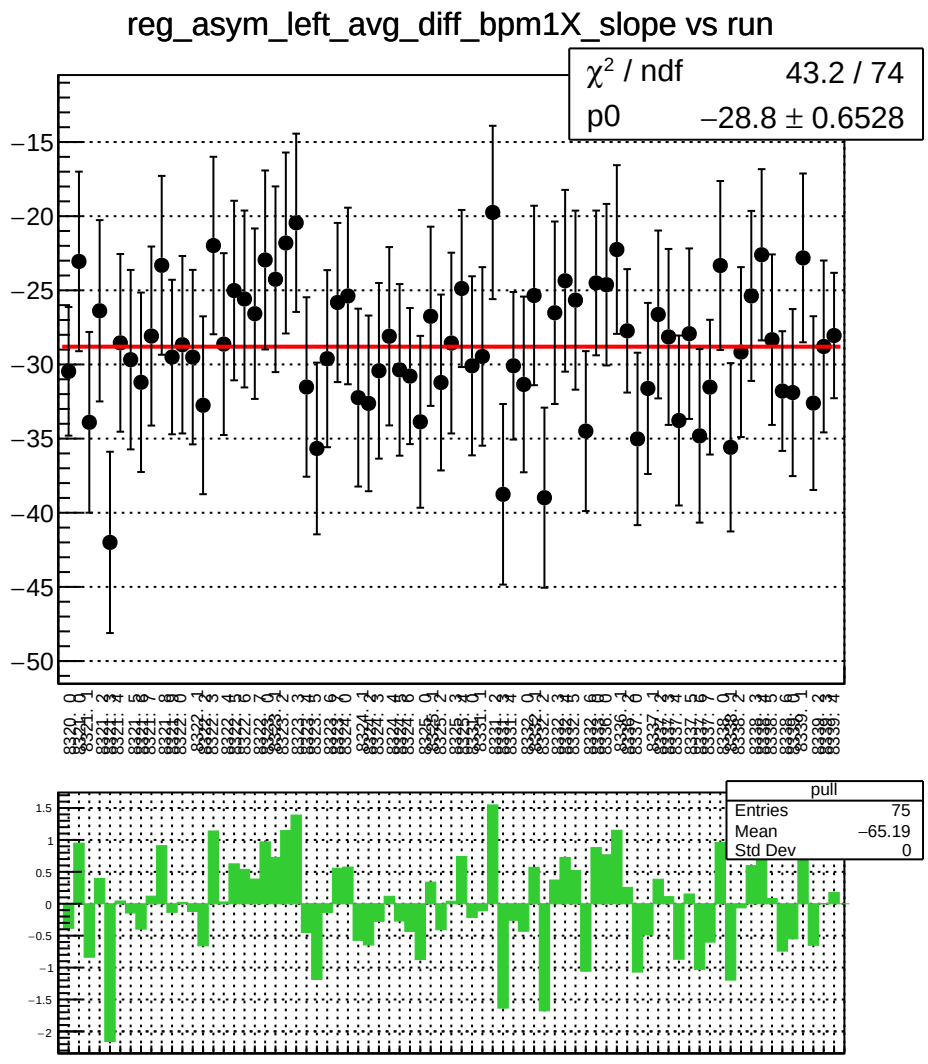

pull1D
Entries 75
Mean 0.001692
Std Dev 0.9725

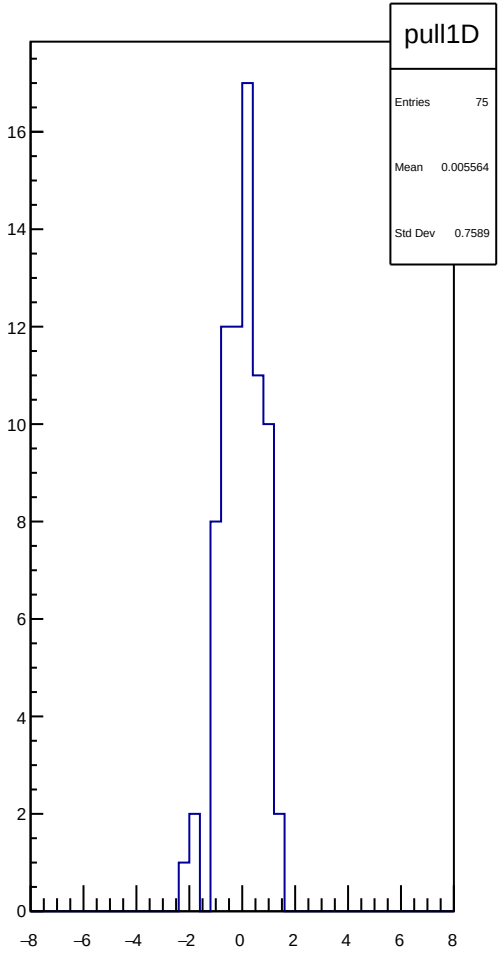

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.27 / 74
p0 0.9275 ± 0.4586
pull
Entries 75
Mean −29.54
Std Dev 0

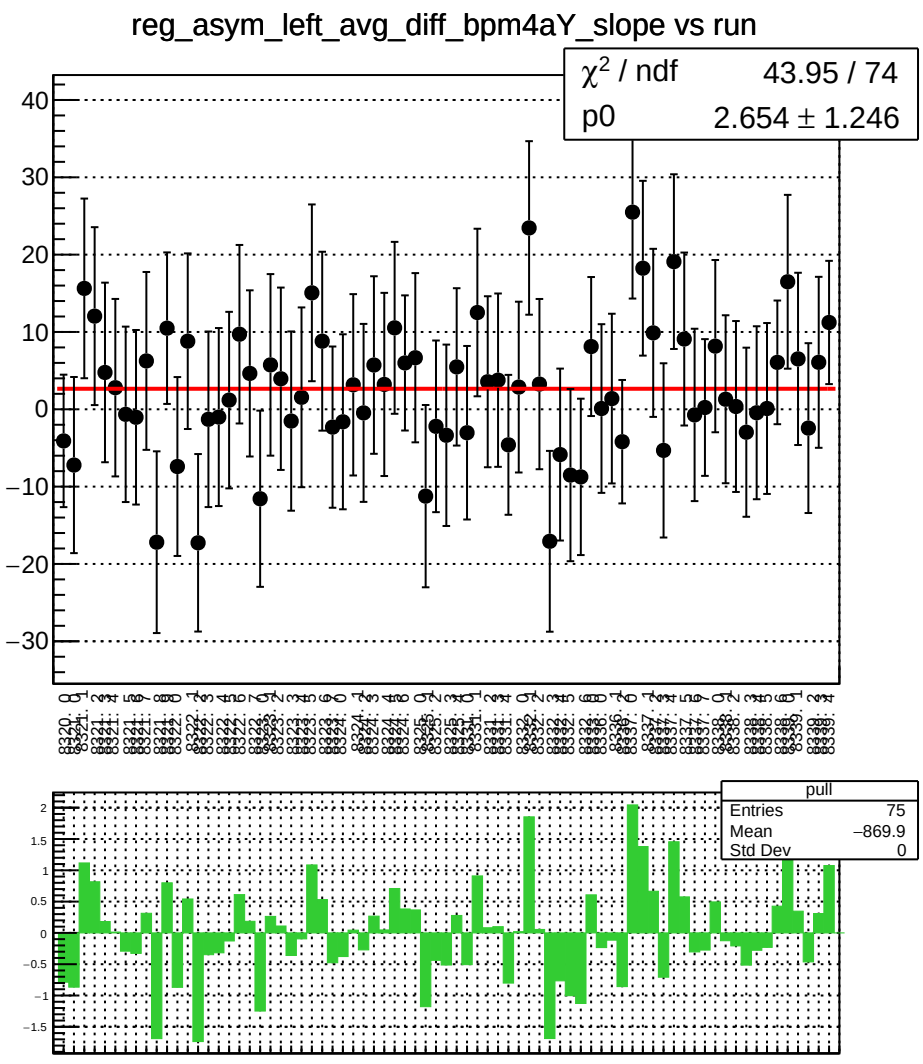

pull1D
Entries 75
Mean −0.006833
Std Dev 1.022

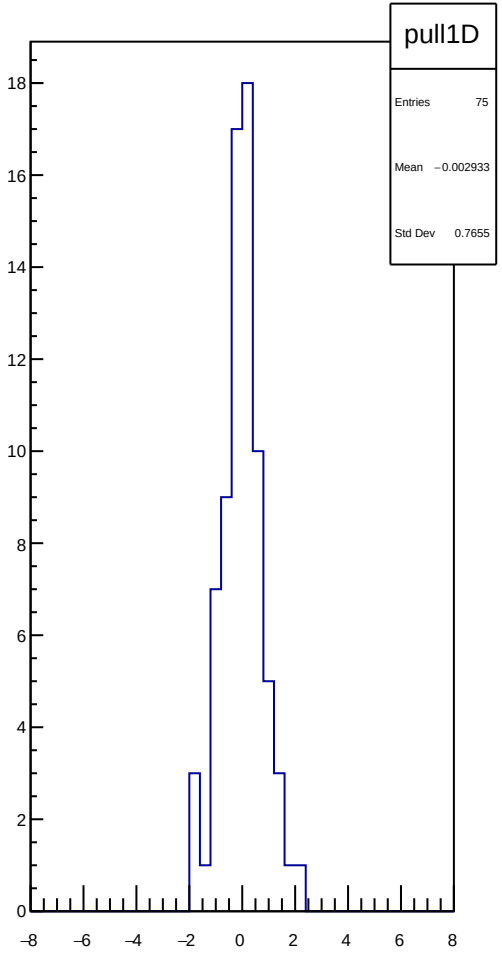

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 98.42 / 74
p0 0.06773 ± 0.0256
pull
Entries 75
Mean −492.8
Std Dev 0

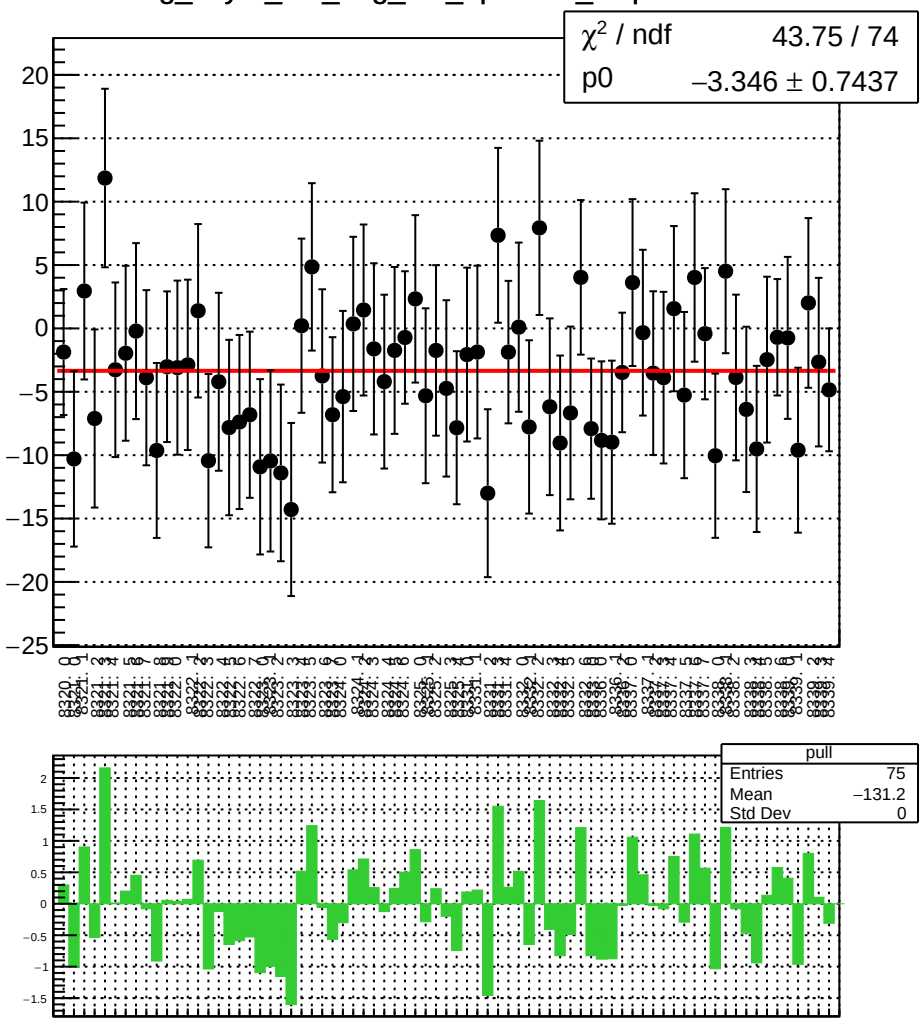

pull1D
Entries 75
Mean −0.004325
Std Dev 1.146

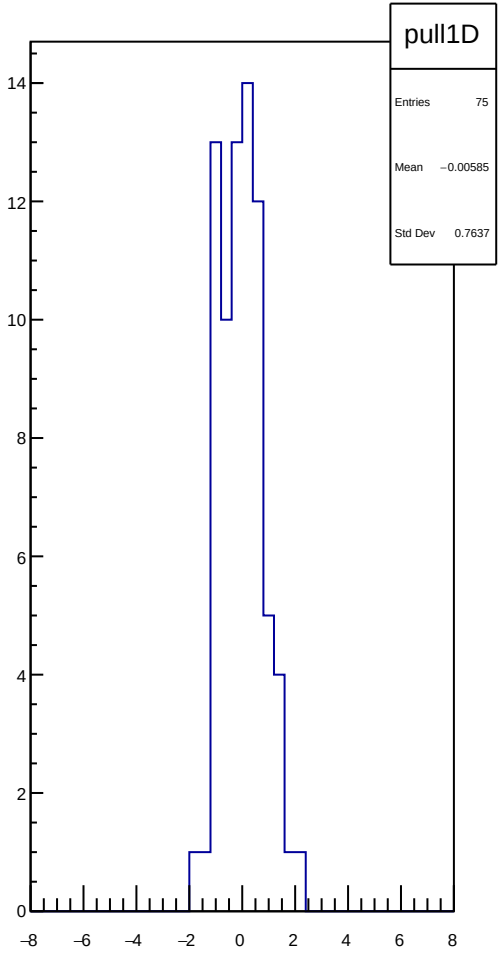

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 43.2 / 74
p0 −28.8 ± 0.6528
pull
Entries 75
Mean −65.19
Std Dev 0

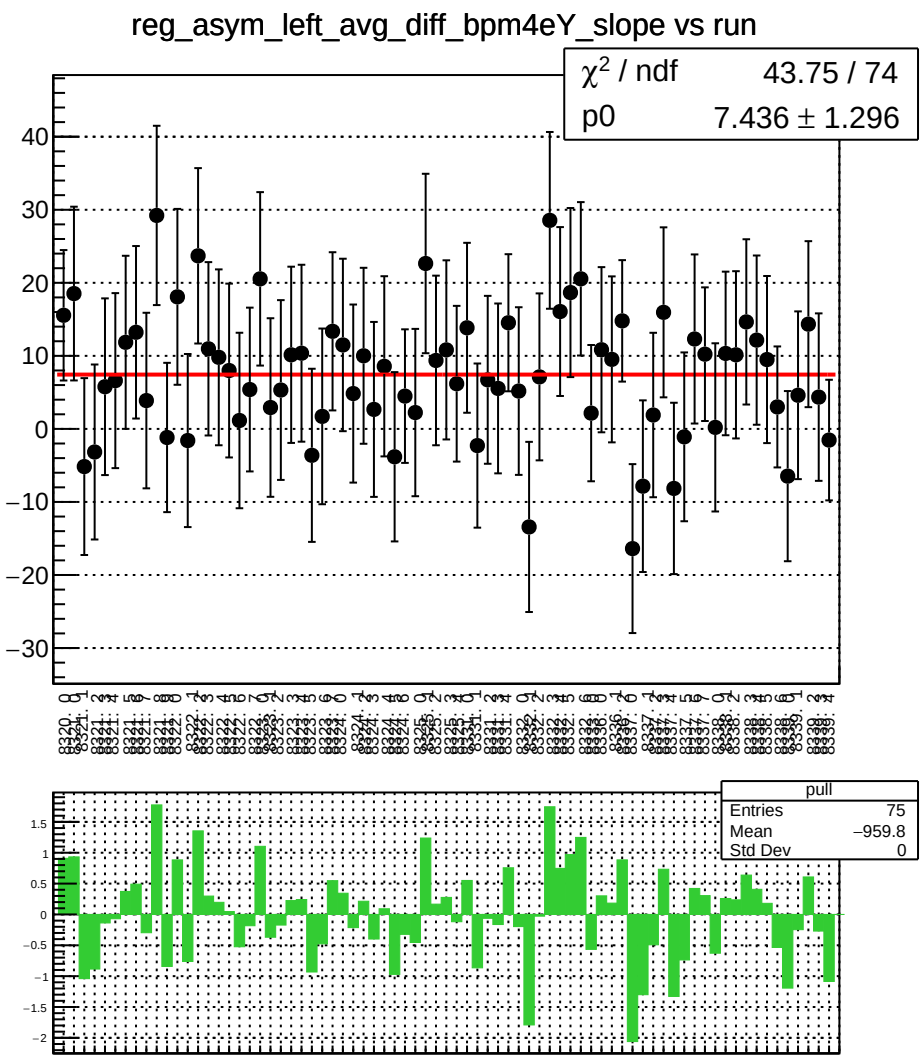

pull1D
Entries 75
Mean 0.005564
Std Dev 0.7589

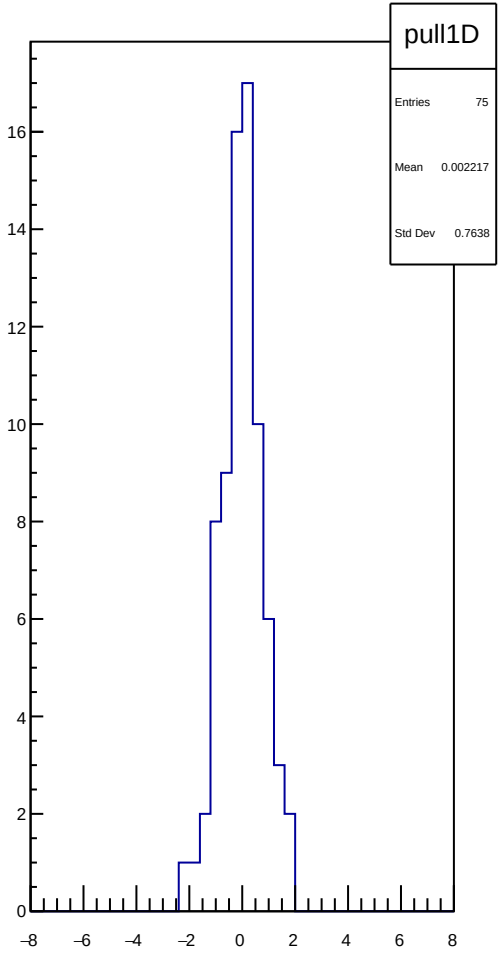

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.95 / 74
p0 2.654 ± 1.246
pull
Entries 75
Mean −869.9
Std Dev 0

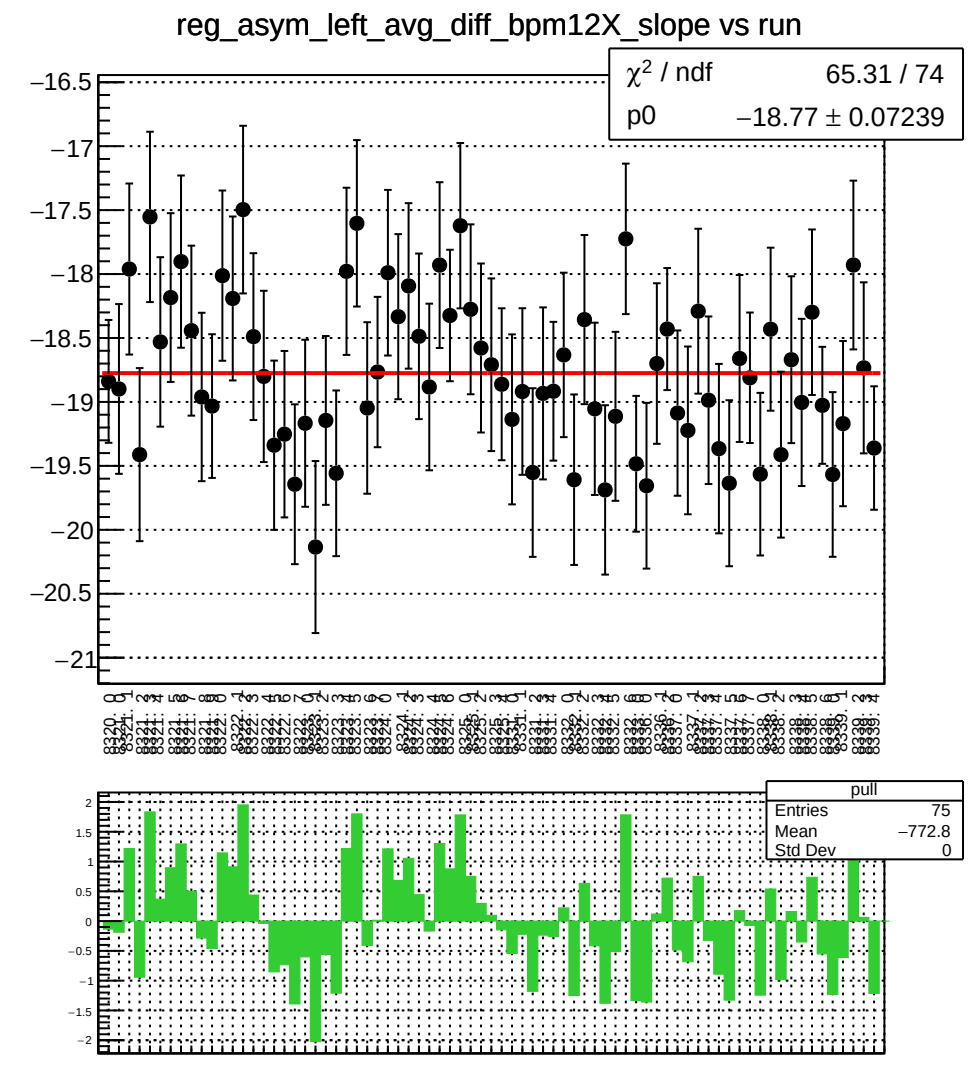

pull1D
Entries 75
Mean −0.002933
Std Dev 0.7655

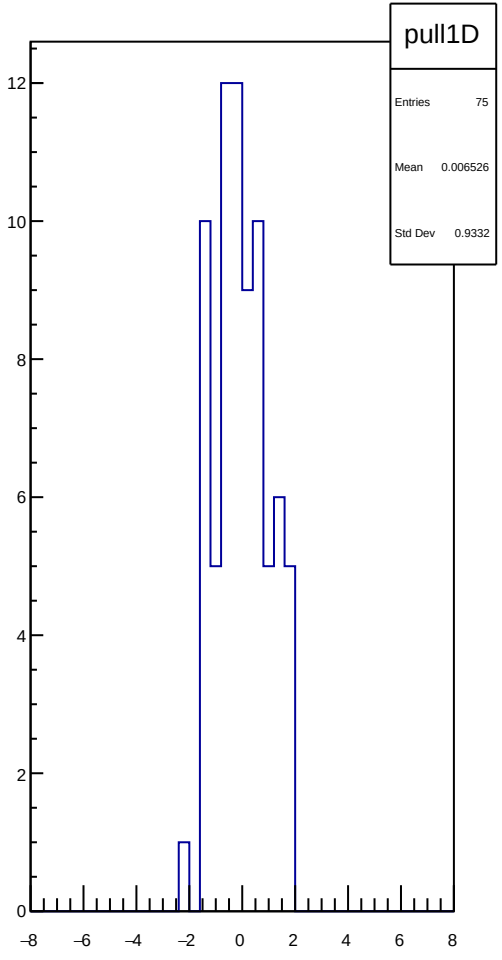

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.75 / 74
p0 −3.346 ± 0.7437
pull
Entries 75
Mean −131.2
Std Dev 0

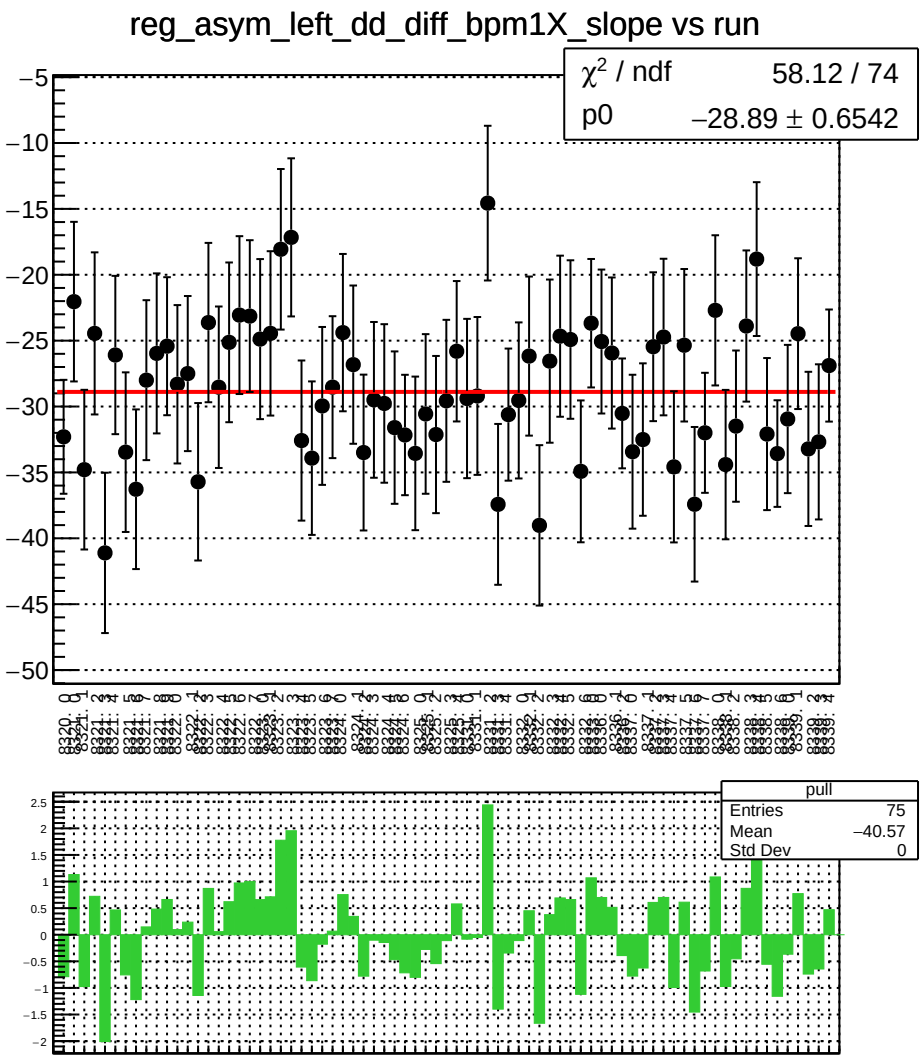

pull1D
Entries 75
Mean −0.00585
Std Dev 0.7637

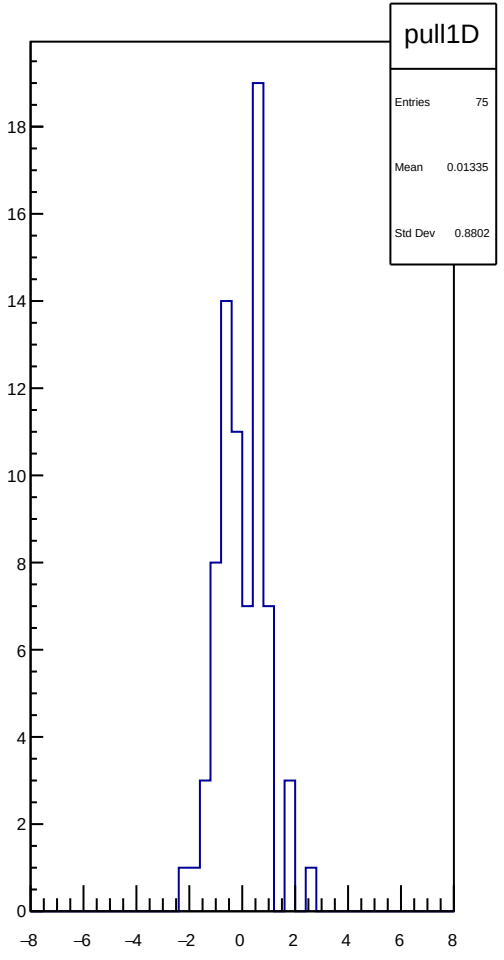

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.75 / 74
p0 7.436 ± 1.296
pull
Entries 75
Mean −959.8
Std Dev 0

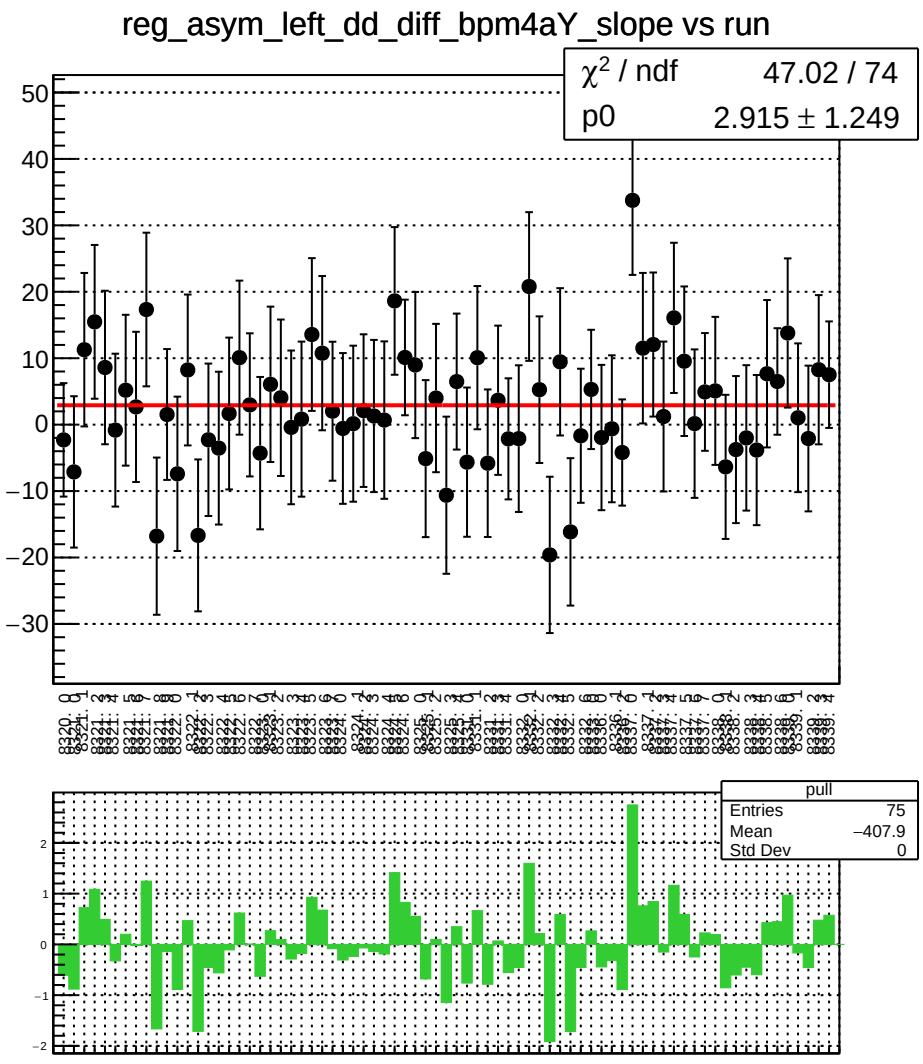

pull1D
Entries 75
Mean 0.002217
Std Dev 0.7638

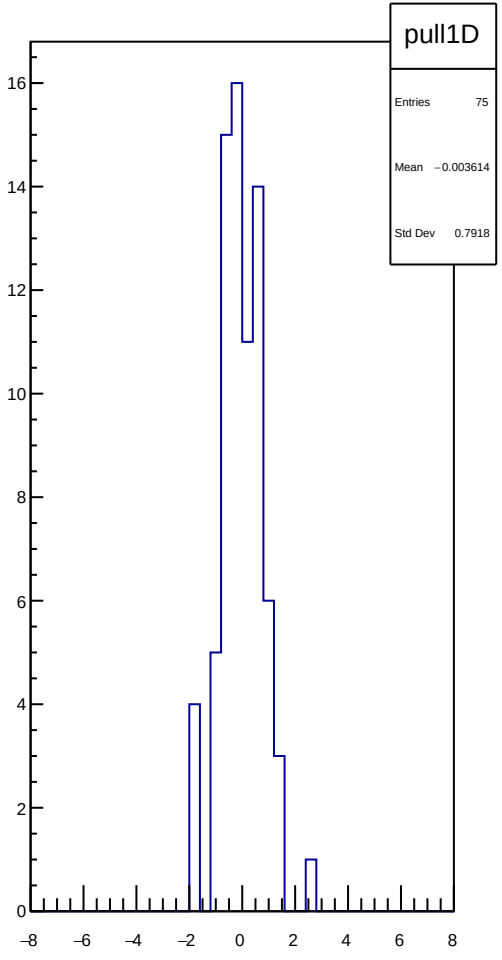

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 65.31 / 74
p0 −18.77 ± 0.07239
pull
Entries 75
Mean −772.8
Std Dev 0

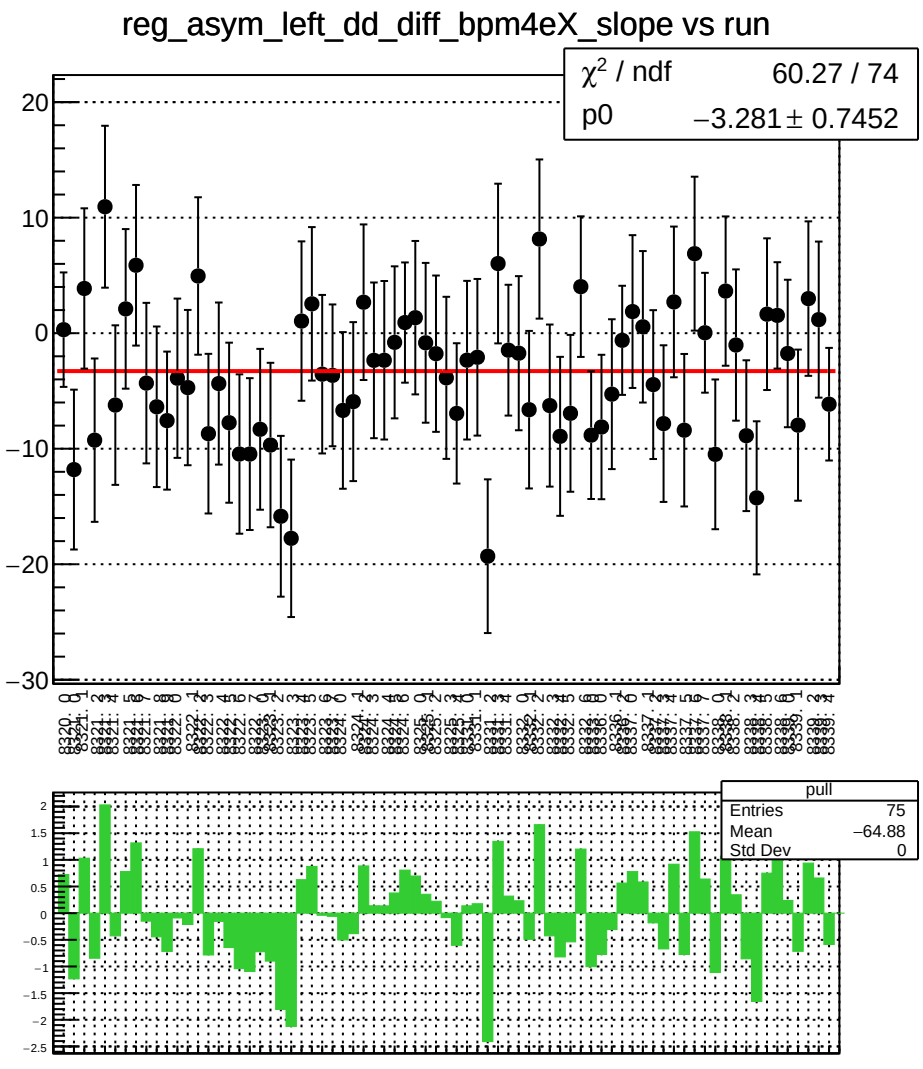

pull1D
Entries 75
Mean 0.006526
Std Dev 0.9332

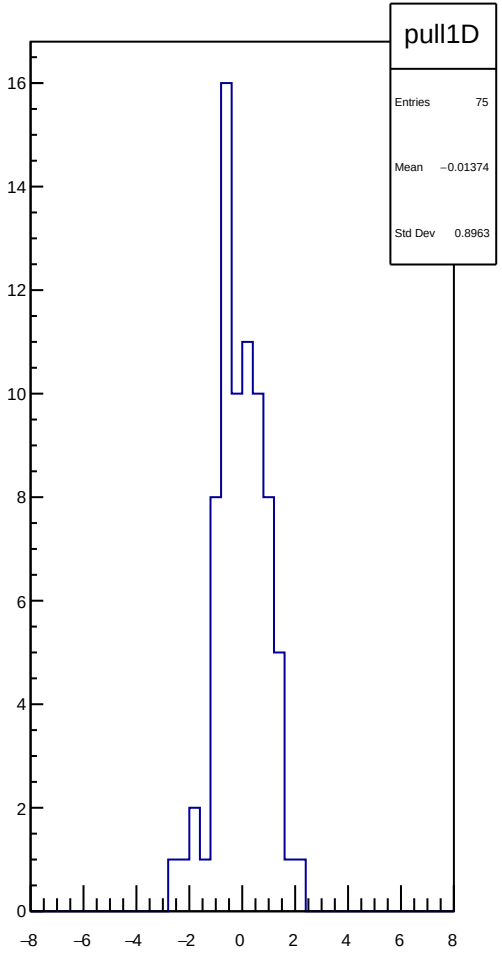

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 58.12 / 74
p0 −28.89 ± 0.6542
pull
Entries 75
Mean −40.57
Std Dev 0

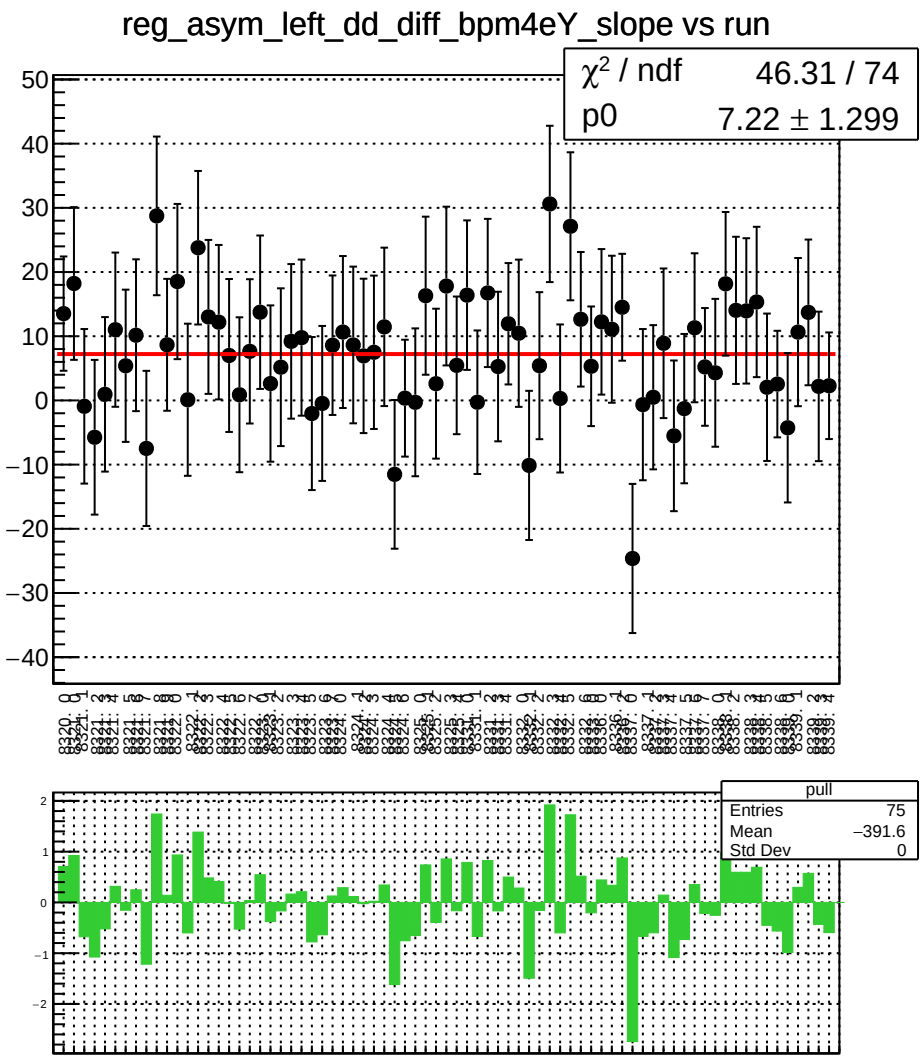

pull1D
Entries 75
Mean 0.01335
Std Dev 0.8802

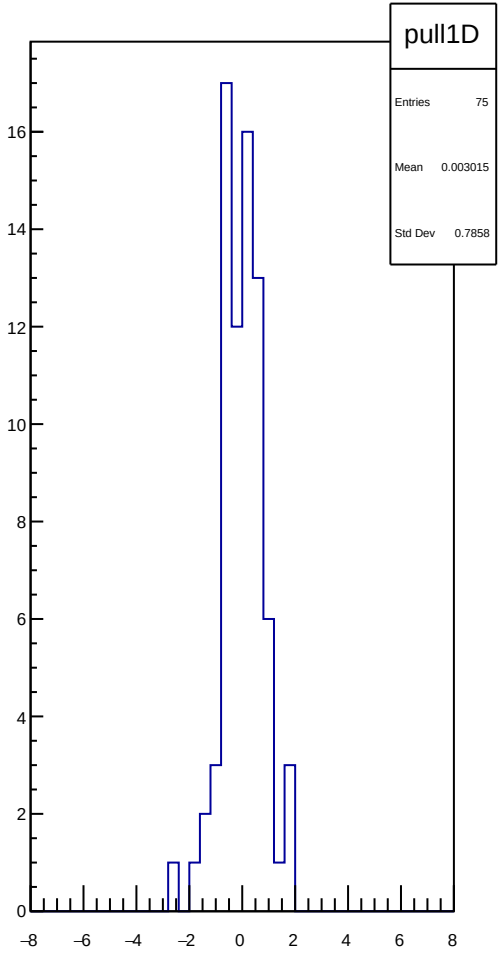

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.02 / 74
p0 2.915 ± 1.249
pull
Entries 75
Mean −407.9
Std Dev 0

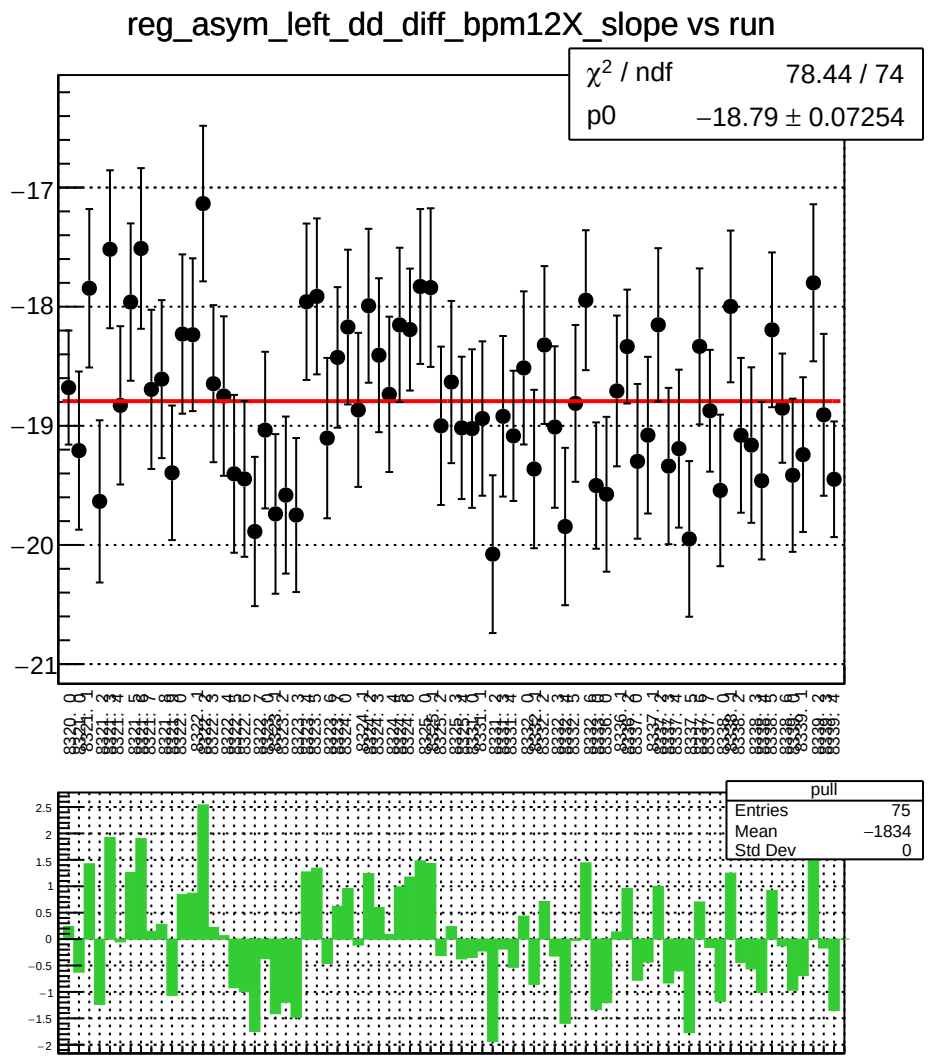

pull1D
Entries 75
Mean −0.003614
Std Dev 0.7918

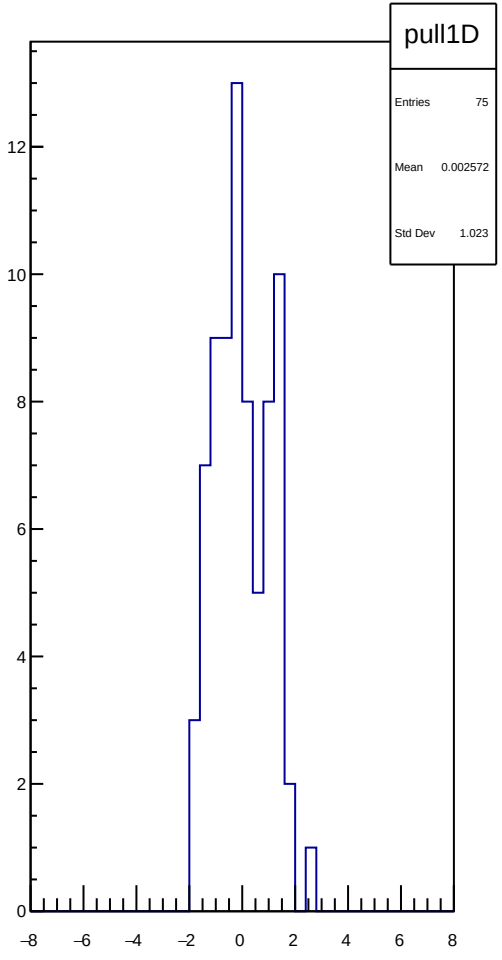

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.27 / 74
p0 −3.281 ± 0.7452
pull
Entries 75
Mean −64.88
Std Dev 0

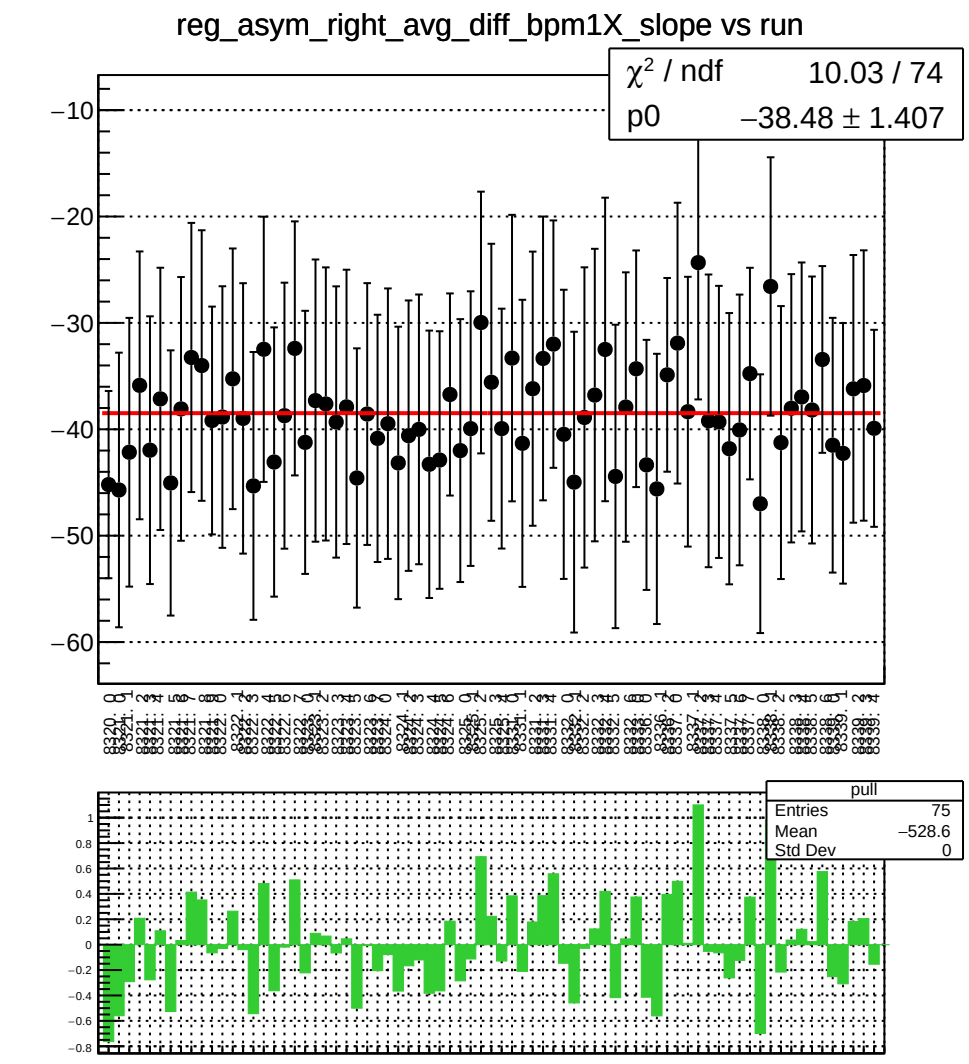

pull1D
Entries 75
Mean −0.01374
Std Dev 0.8963

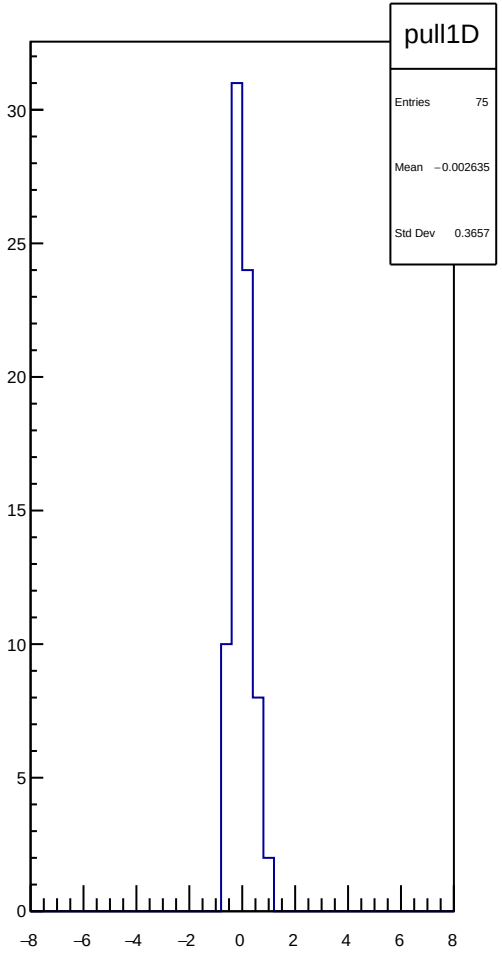

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.31 / 74
p0 7.22 ± 1.299
pull
Entries 75
Mean −391.6
Std Dev 0

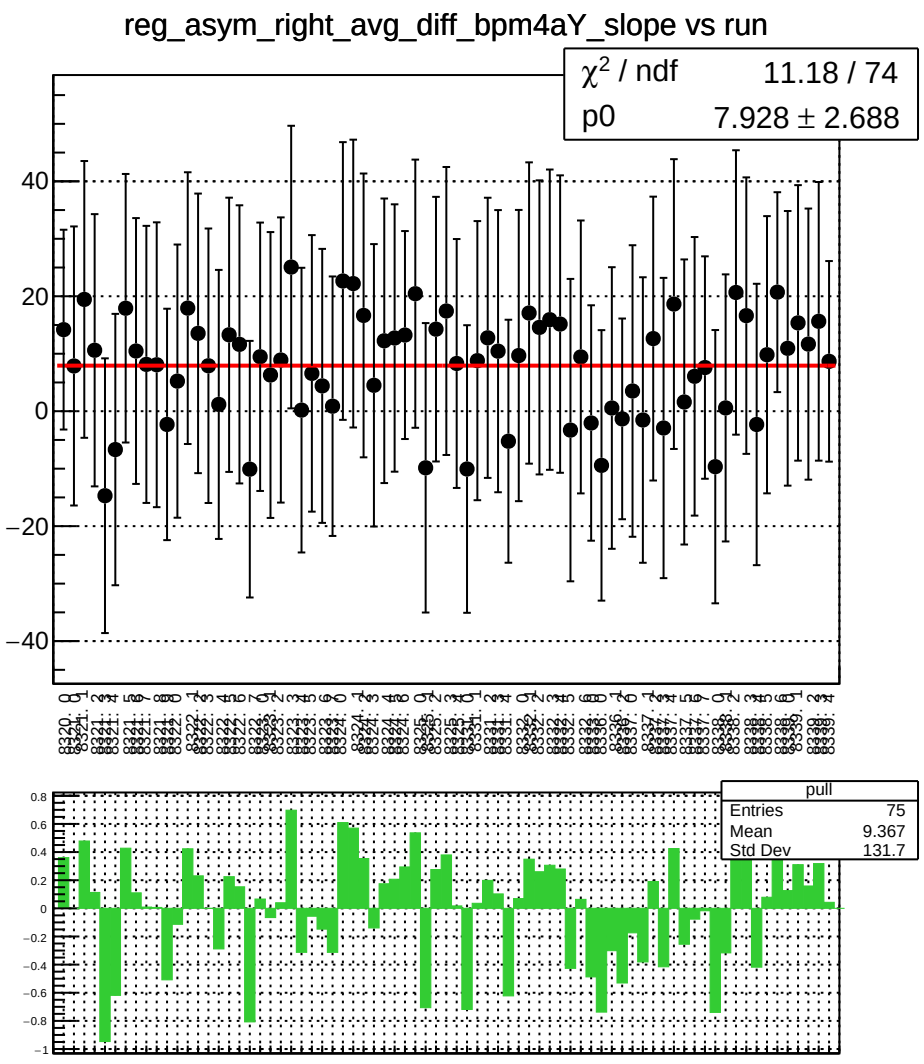

pull1D
Entries 75
Mean 0.003015
Std Dev 0.7858

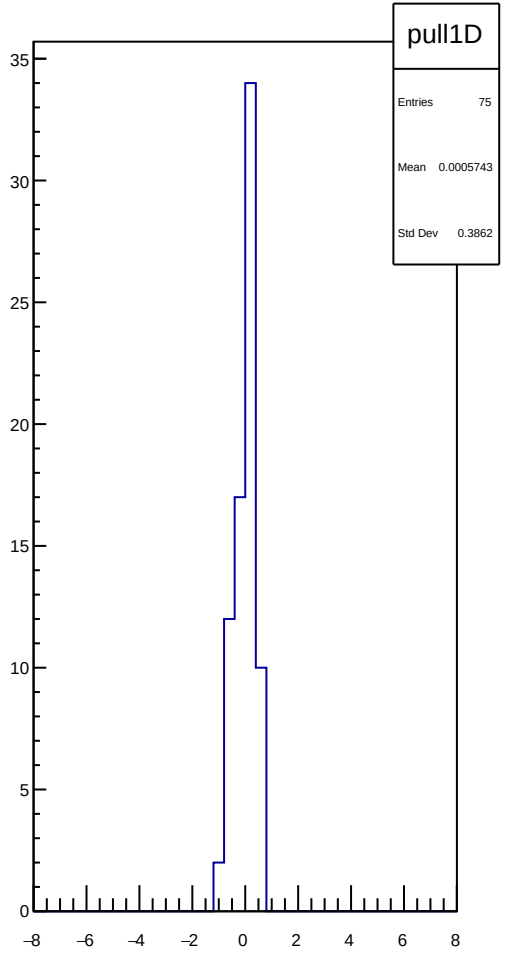

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 78.44 / 74
p0 −18.79 ± 0.07254
pull
Entries 75
Mean −1834
Std Dev 0

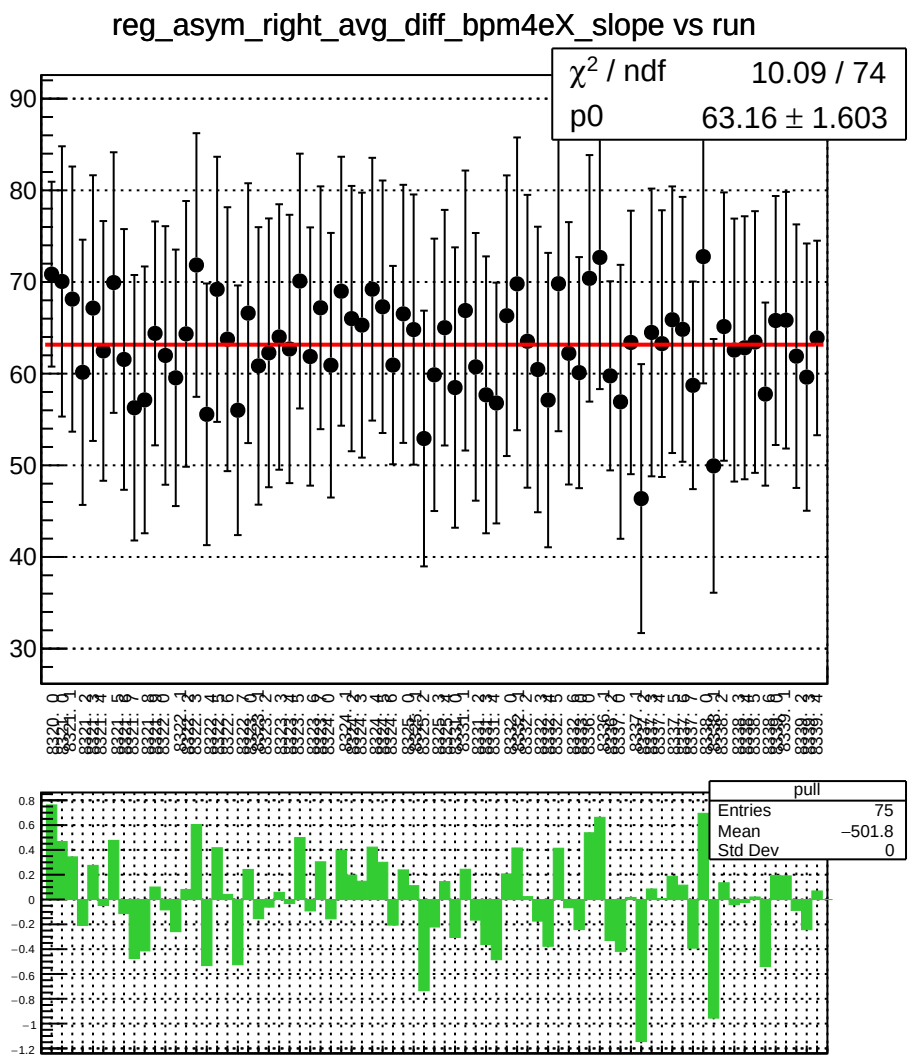

pull1D
Entries 75
Mean 0.002572
Std Dev 1.023

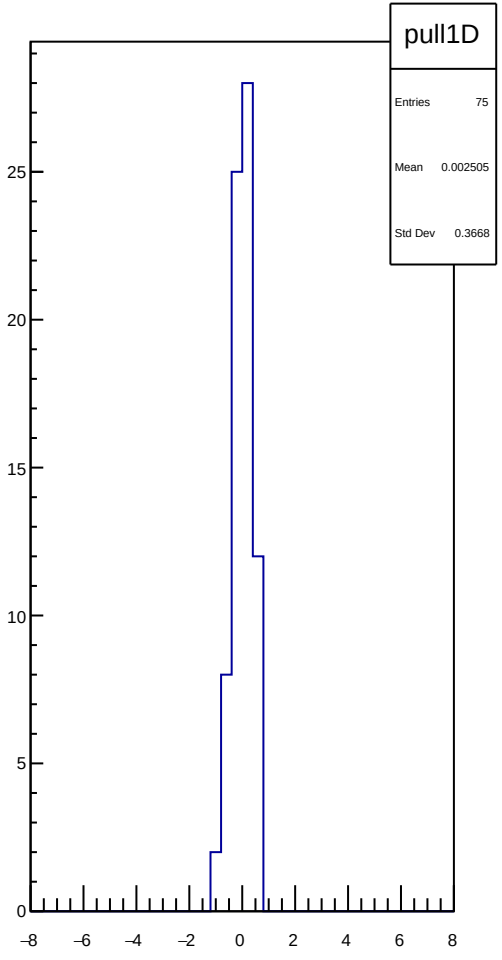

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 10.03 / 74
p0 −38.48 ± 1.407
pull
Entries 75
Mean −528.6
Std Dev 0

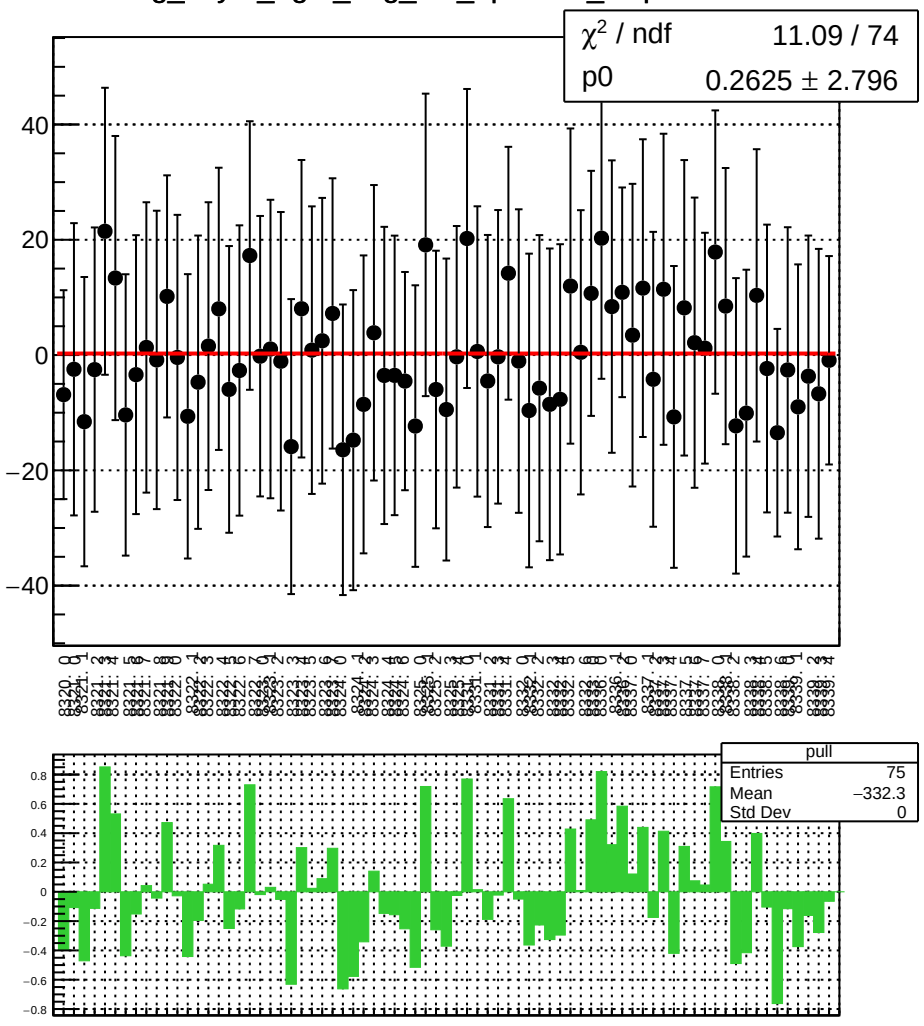

pull1D
Entries 75
Mean −0.002635
Std Dev 0.3657

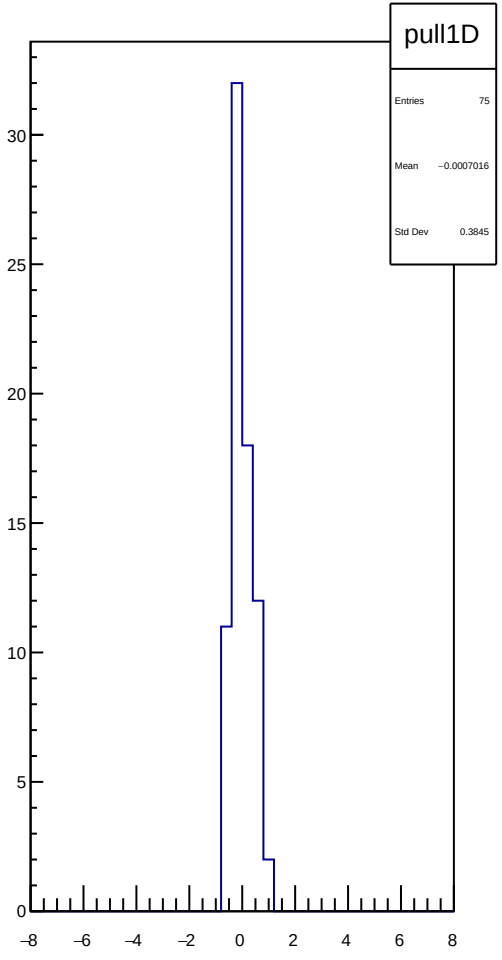

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.18 / 74
p0 7.928 ± 2.688
pull
Entries 75
Mean 9.367
Std Dev 131.7

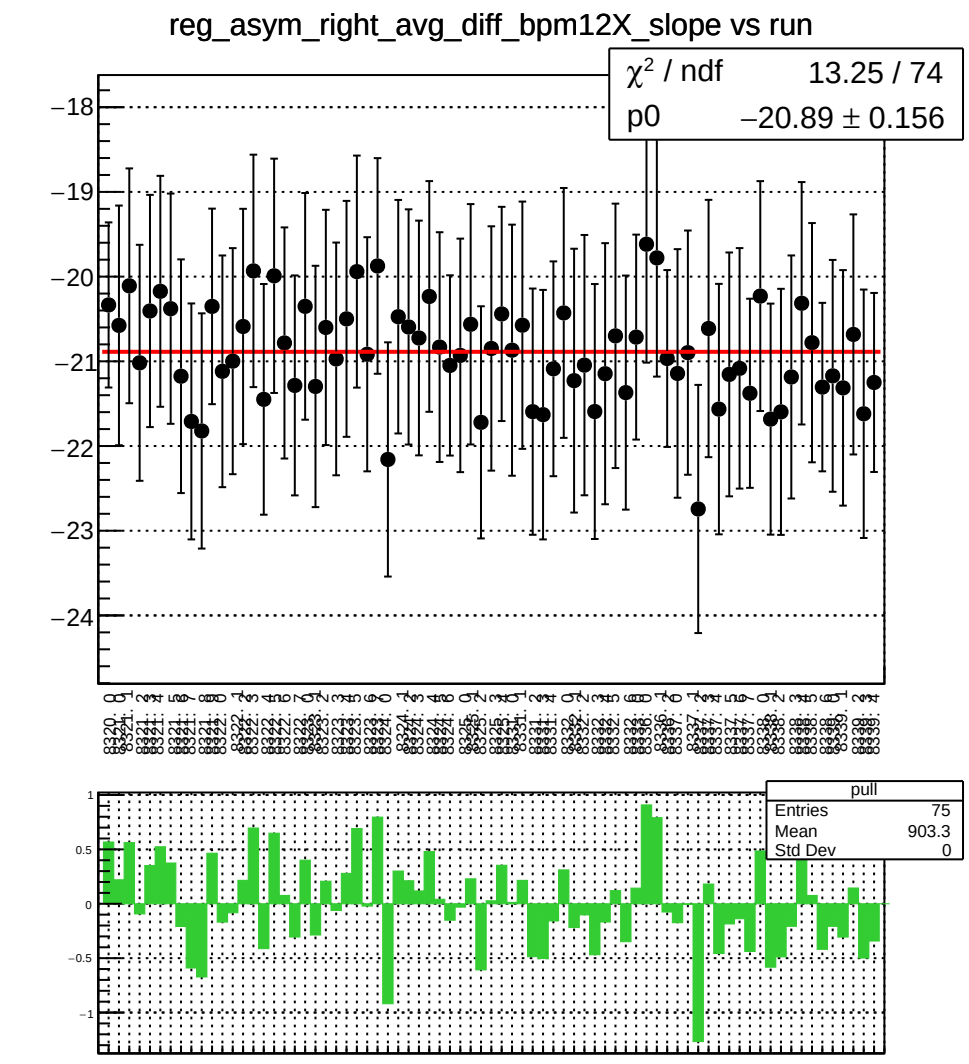

pull1D
Entries 75
Mean 0.0005743
Std Dev 0.3862

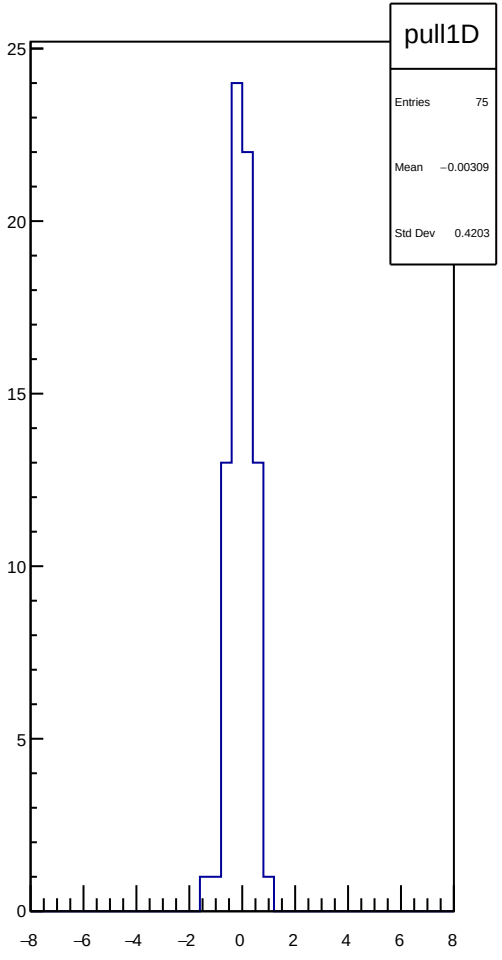

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.09 / 74
p0 63.16 ± 1.603
pull
Entries 75
Mean −501.8
Std Dev 0

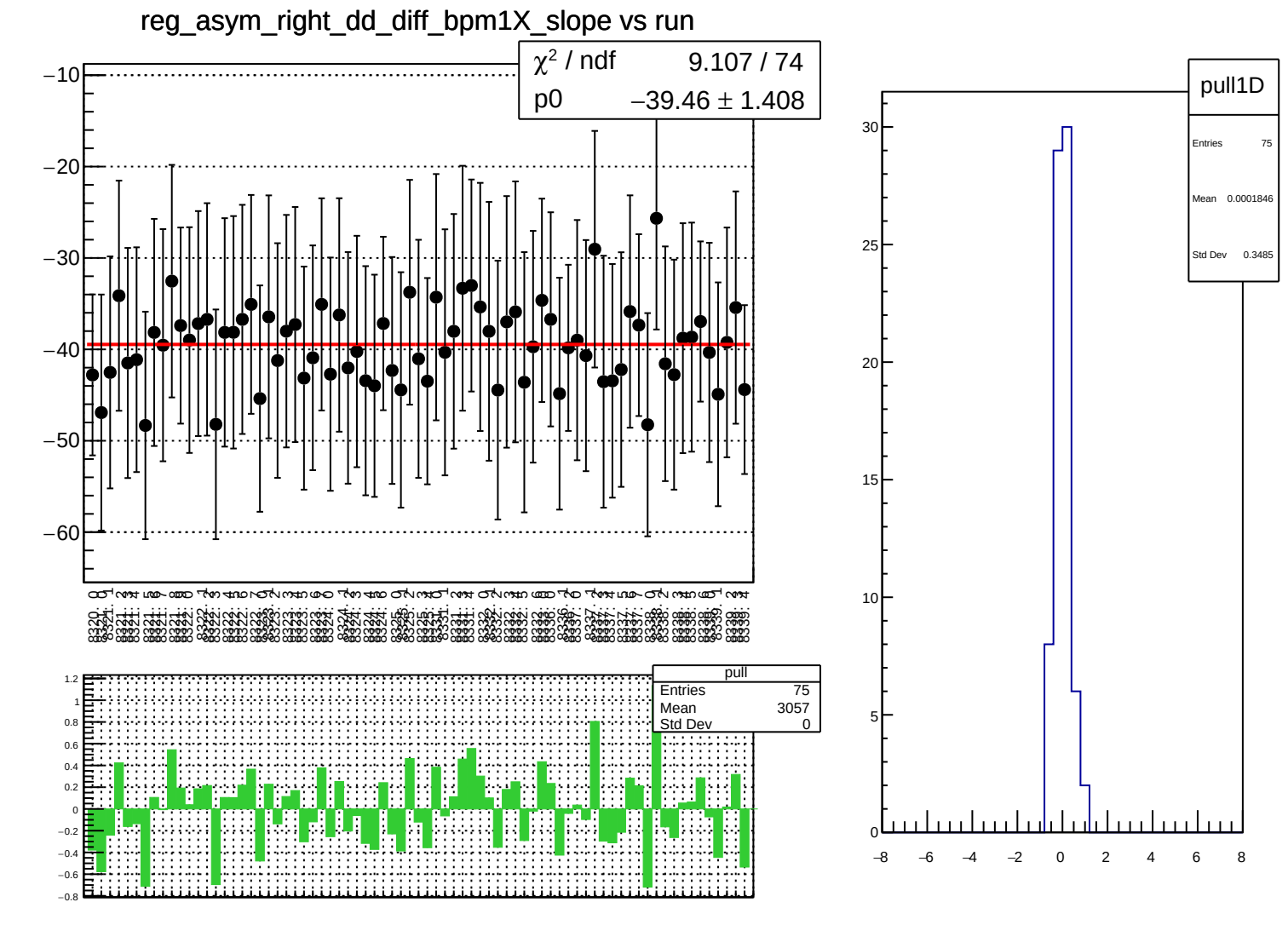

pull1D
Entries 75
Mean 0.002505
Std Dev 0.3668

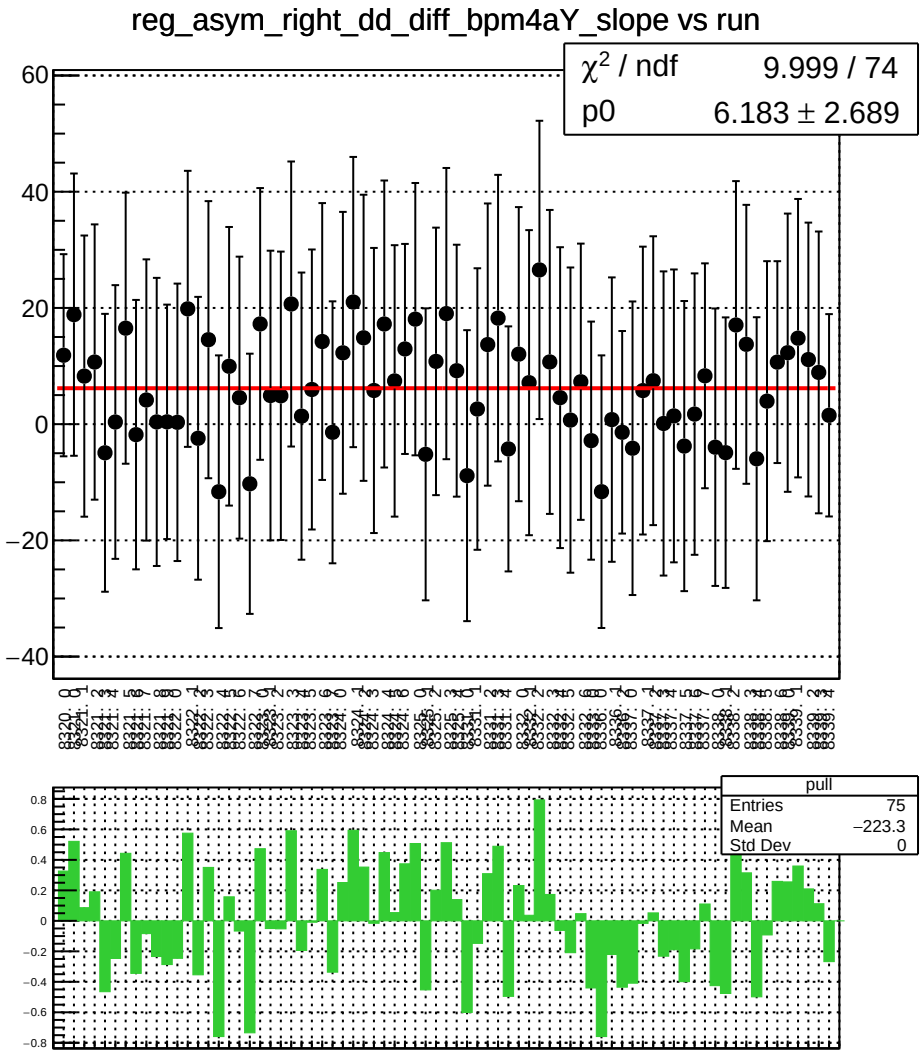

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.09 / 74
p0 0.2625 ± 2.796
pull
Entries 75
Mean −332.3
Std Dev 0

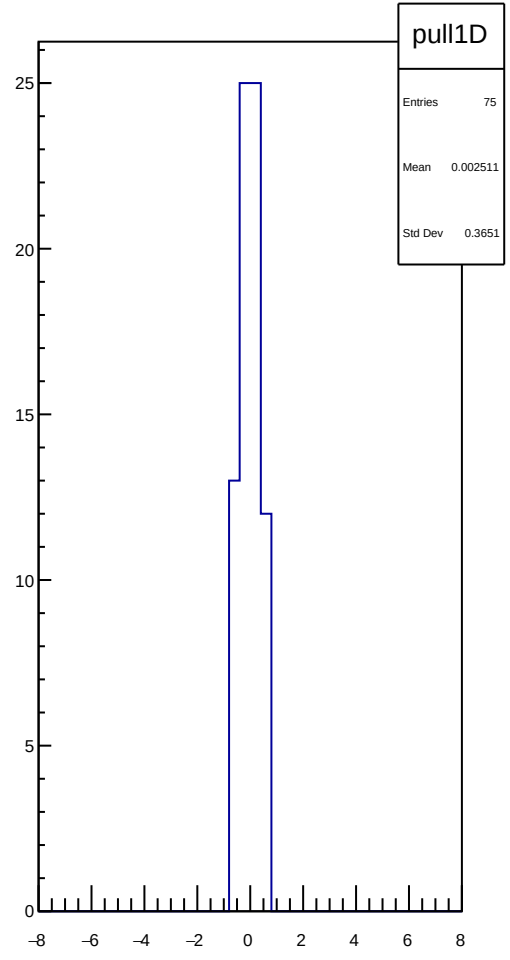

pull1D
Entries 75
Mean −0.0007016
Std Dev 0.3845

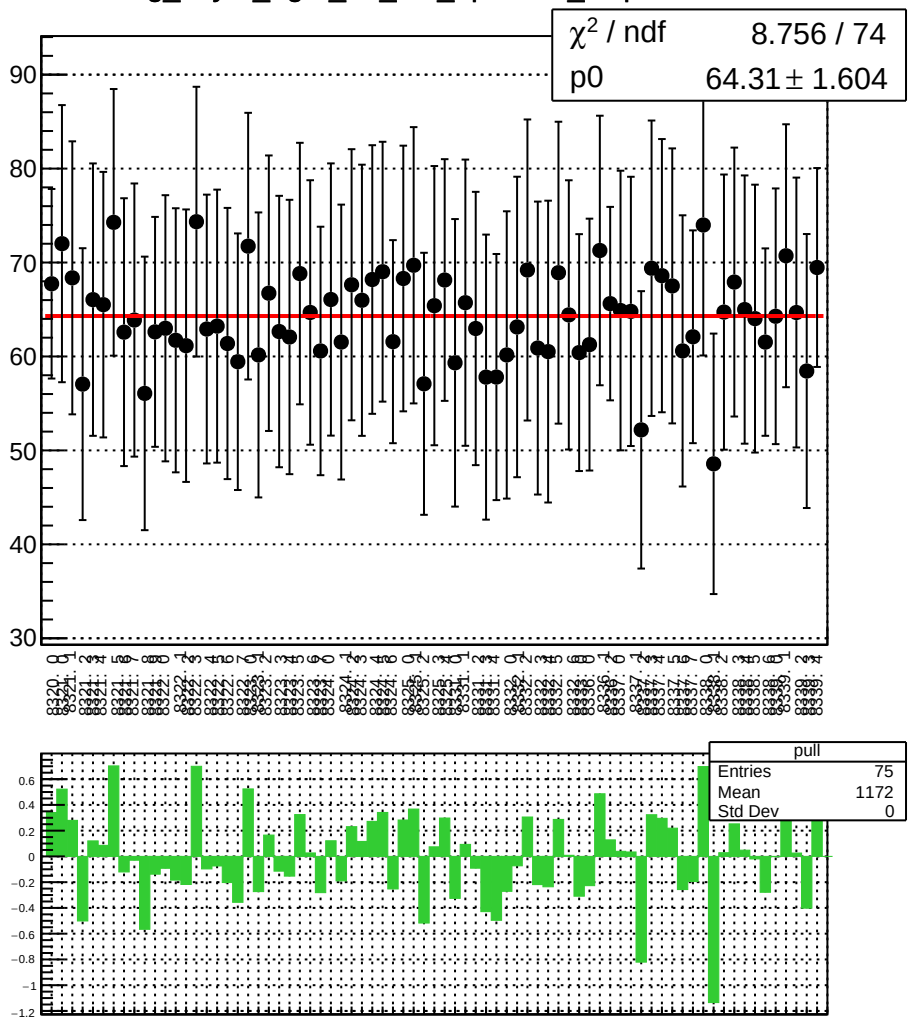

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 13.25 / 74
p0 −20.89 ± 0.156
pull
Entries 75
Mean 903.3
Std Dev 0

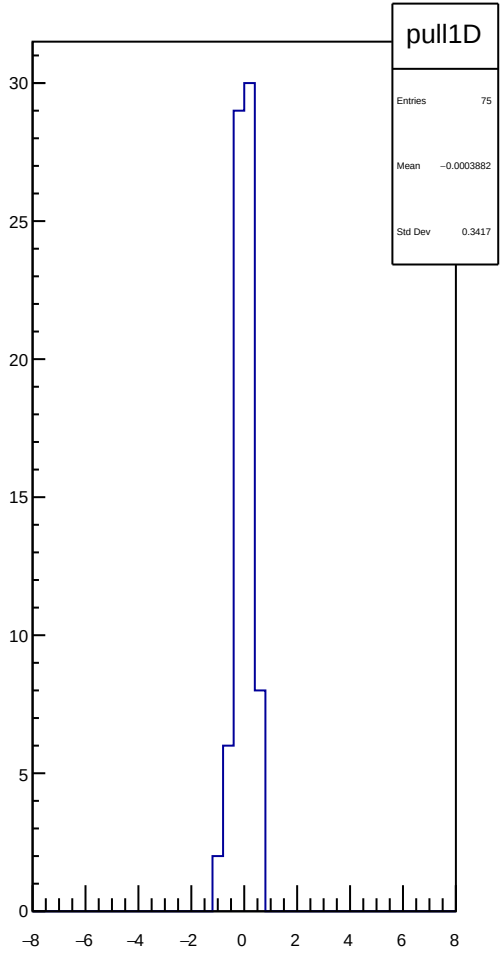

pull1D
Entries 75
Mean −0.00309
Std Dev 0.4203

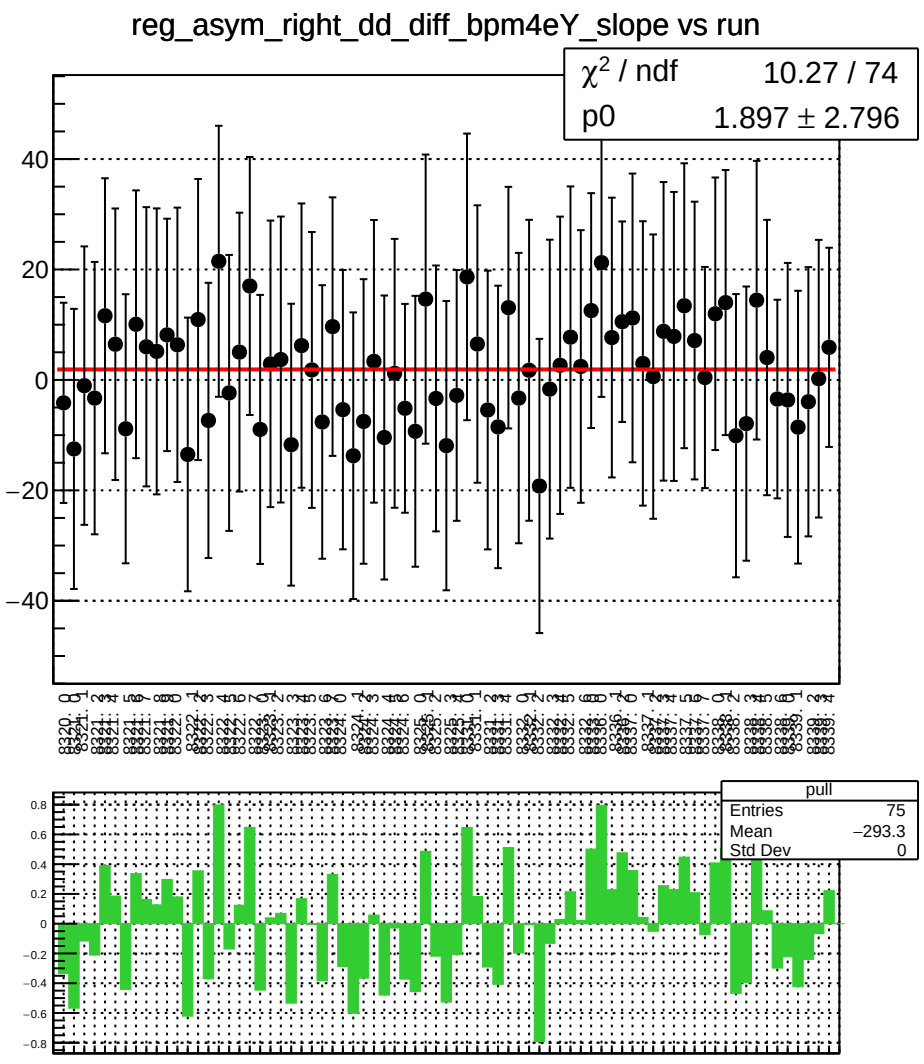

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 9.107 / 74
p0 −39.46 ± 1.408
pull
Entries 75
Mean 3057
Std Dev 0
pull1D
Entries 75
Mean 0.0001846
Std Dev 0.3485

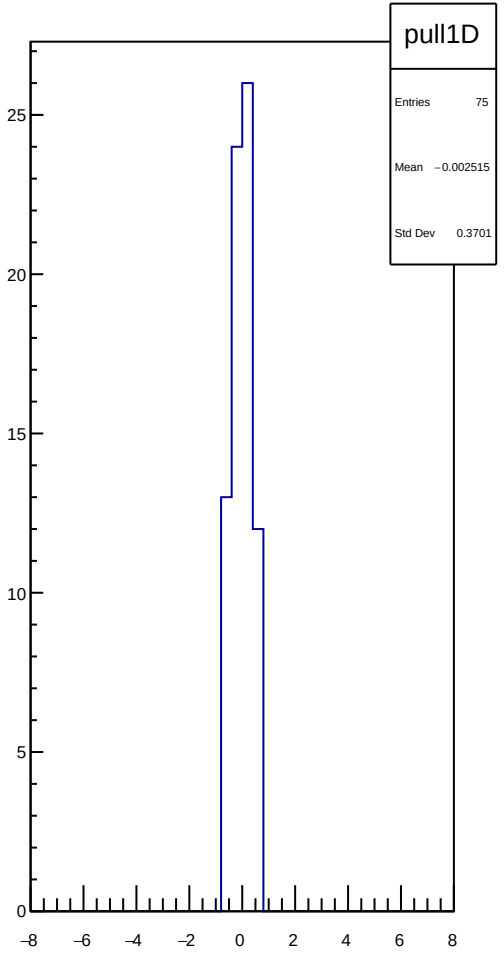

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.999 / 74
p0 6.183 ± 2.689
pull
Entries 75
Mean −223.3
Std Dev 0

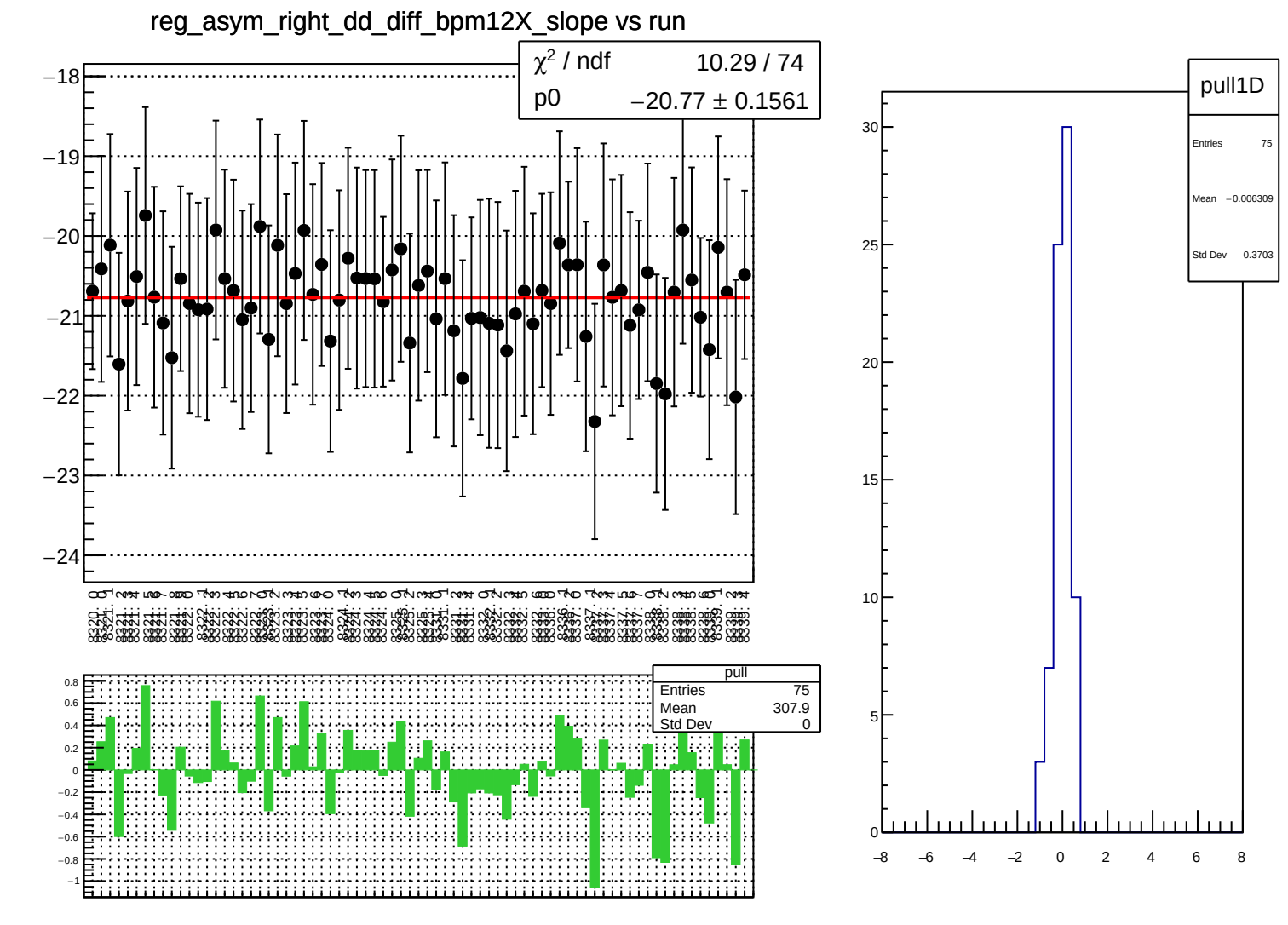

pull1D
Entries 75
Mean 0.002511
Std Dev 0.3651

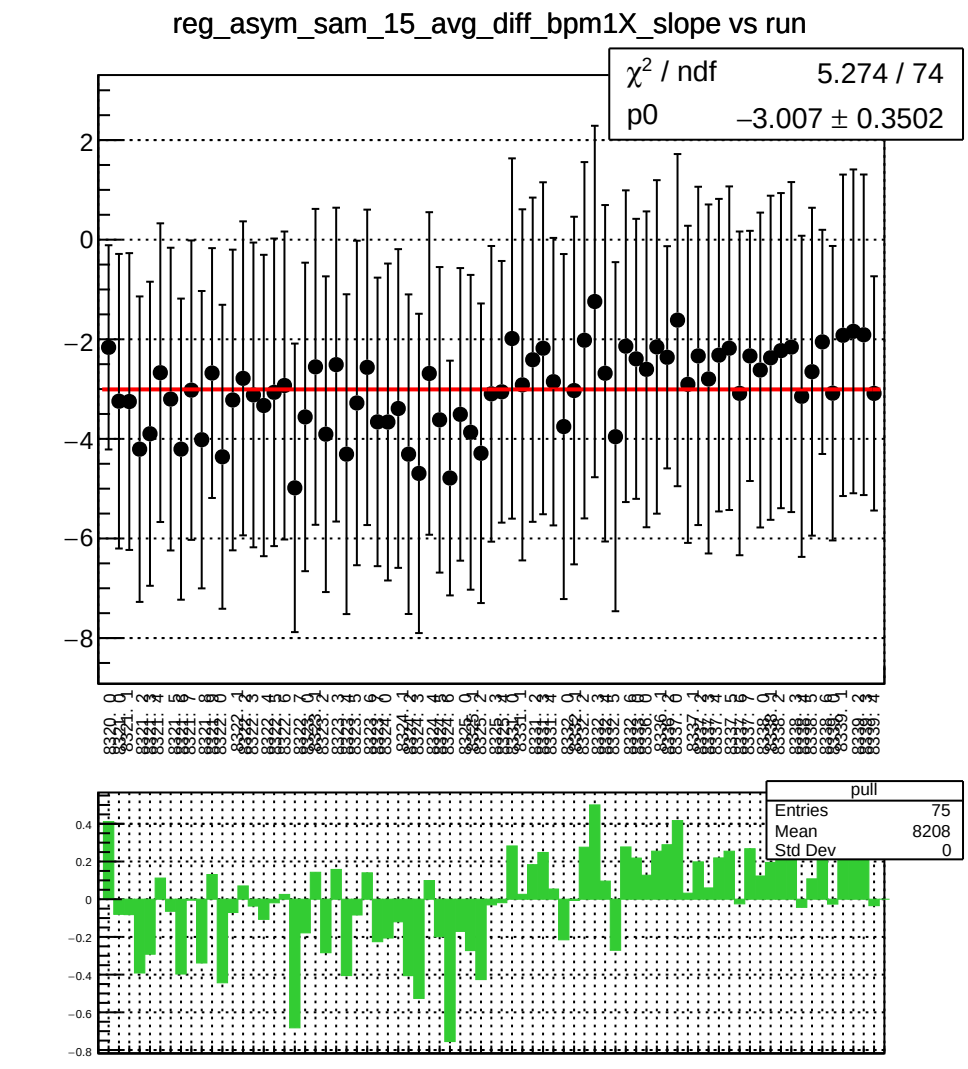

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.756 / 74
p0 64.31 ± 1.604
pull
Entries 75
Mean 1172
Std Dev 0

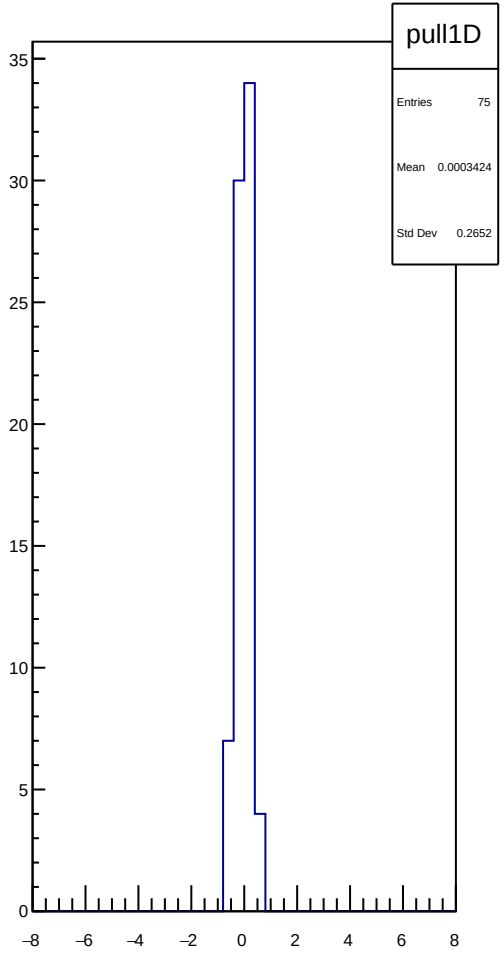

pull1D
Entries 75
Mean −0.0003882
Std Dev 0.3417

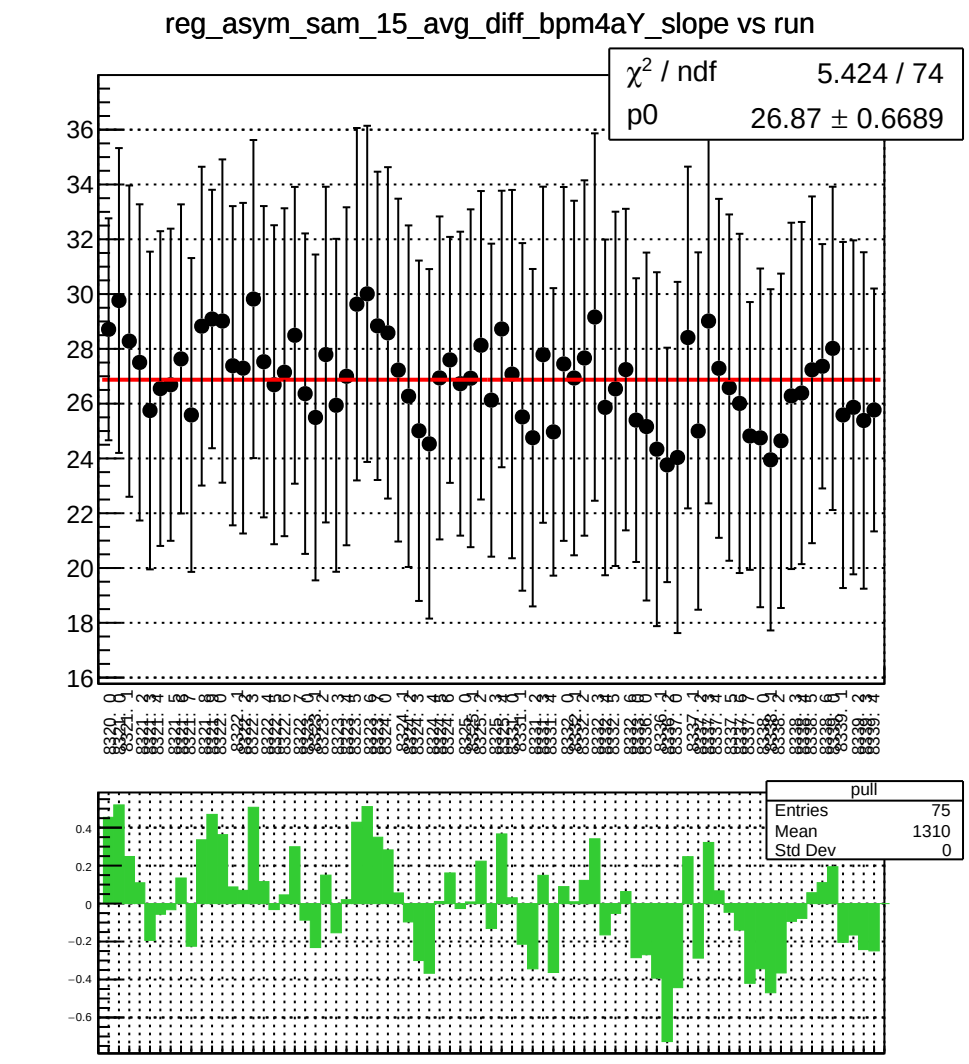

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.27 / 74
p0 1.897 ± 2.796
pull
Entries 75
Mean −293.3
Std Dev 0

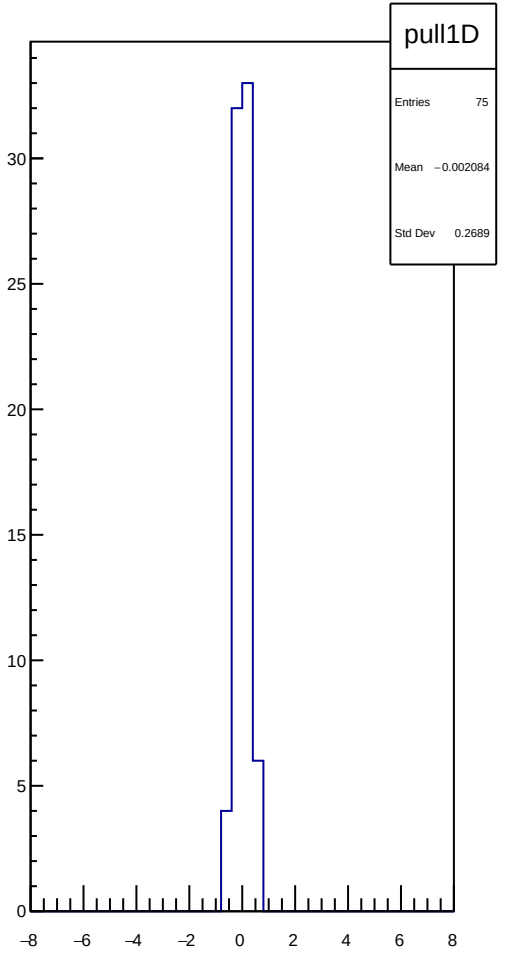

pull1D
Entries 75
Mean −0.002515
Std Dev 0.3701

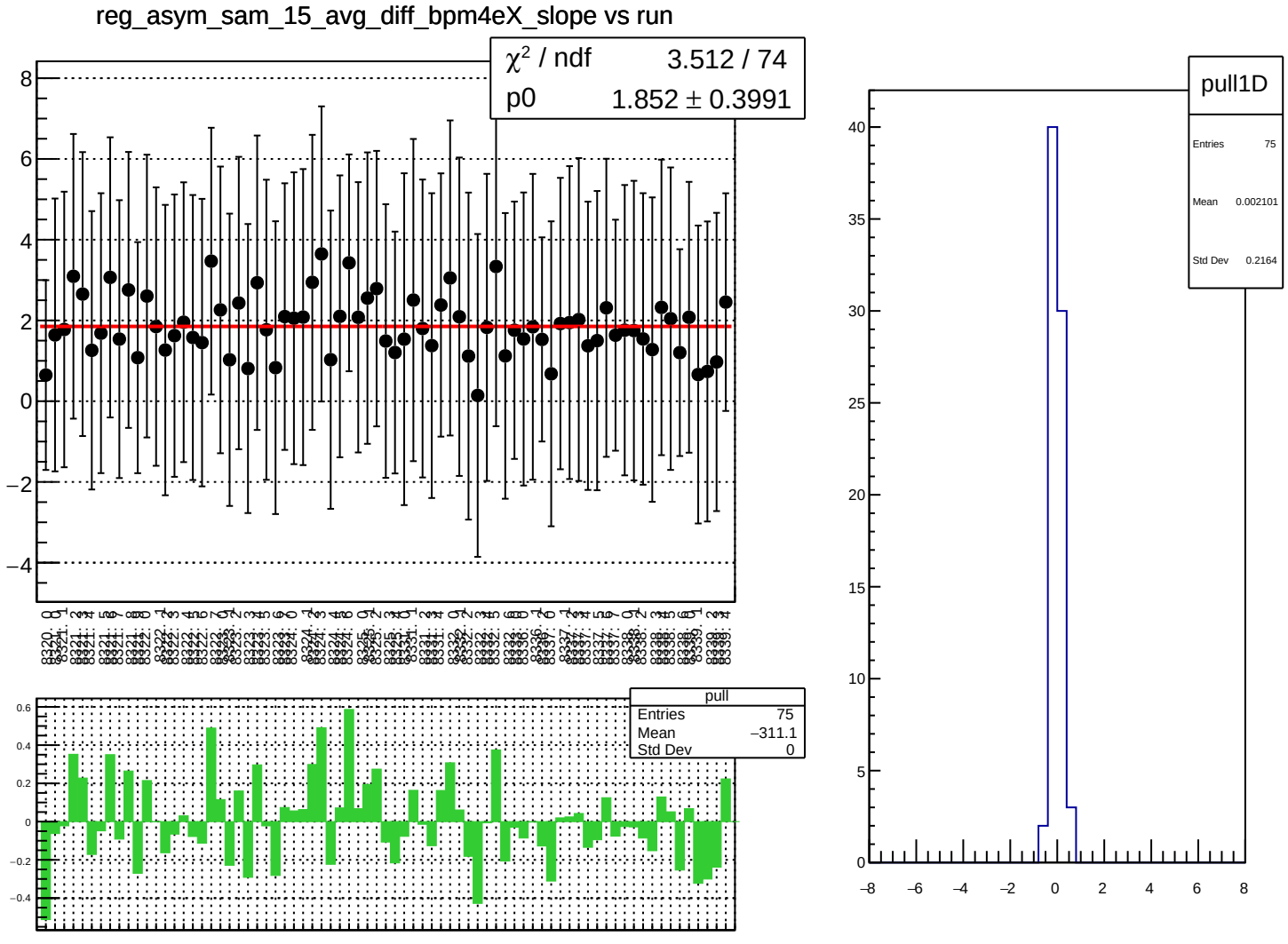

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.29 / 74
p0 −20.77 ± 0.1561
pull
Entries 75
Mean 307.9
Std Dev 0
pull1D
Entries 75
Mean −0.006309
Std Dev 0.3703

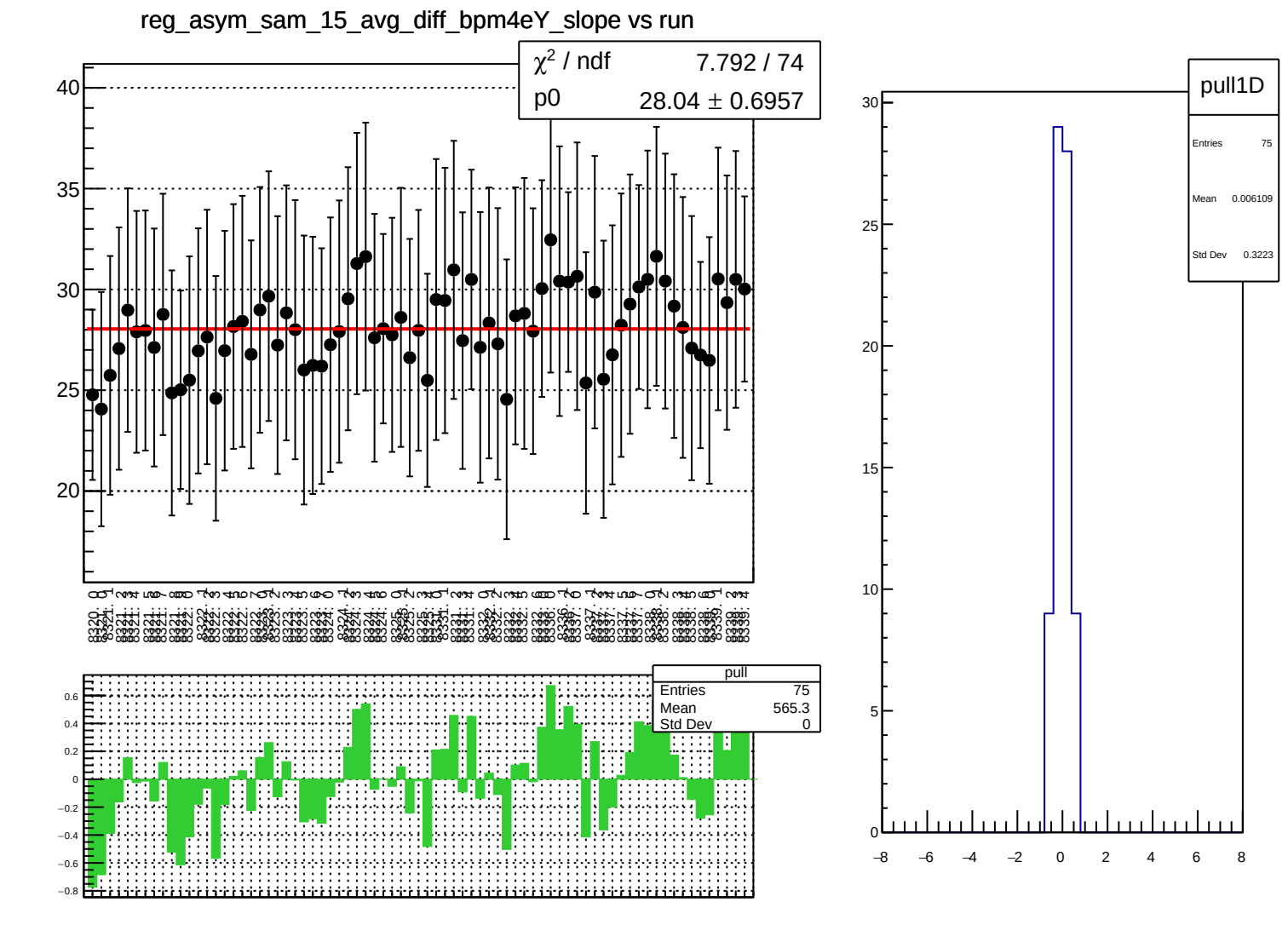

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 5.274 / 74
p0 −3.007 ± 0.3502
pull
Entries 75
Mean 8208
Std Dev 0

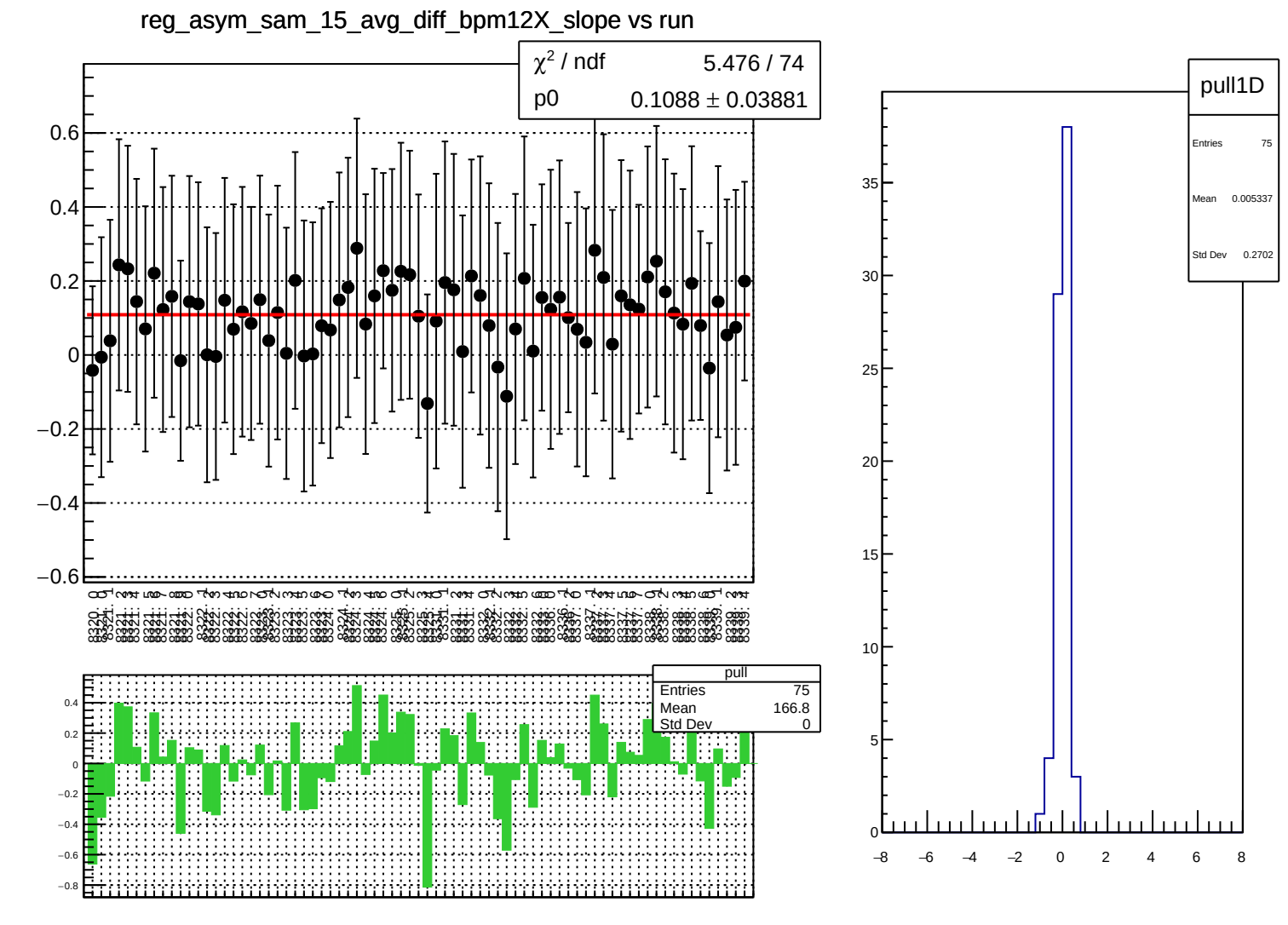

pull1D
Entries 75
Mean 0.0003424
Std Dev 0.2652

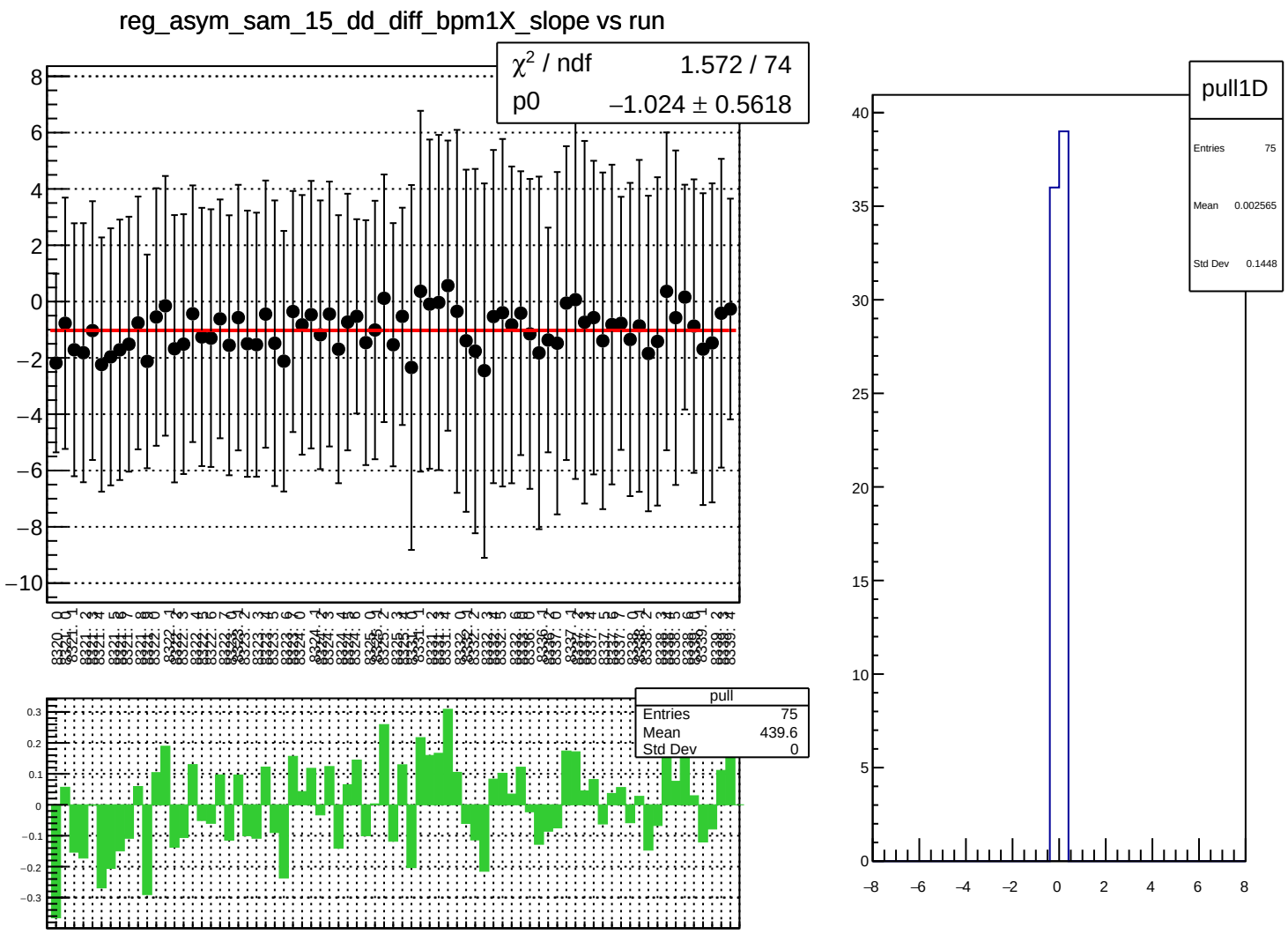

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.424 / 74
p0 26.87 ± 0.6689
pull
Entries 75
Mean 1310
Std Dev 0

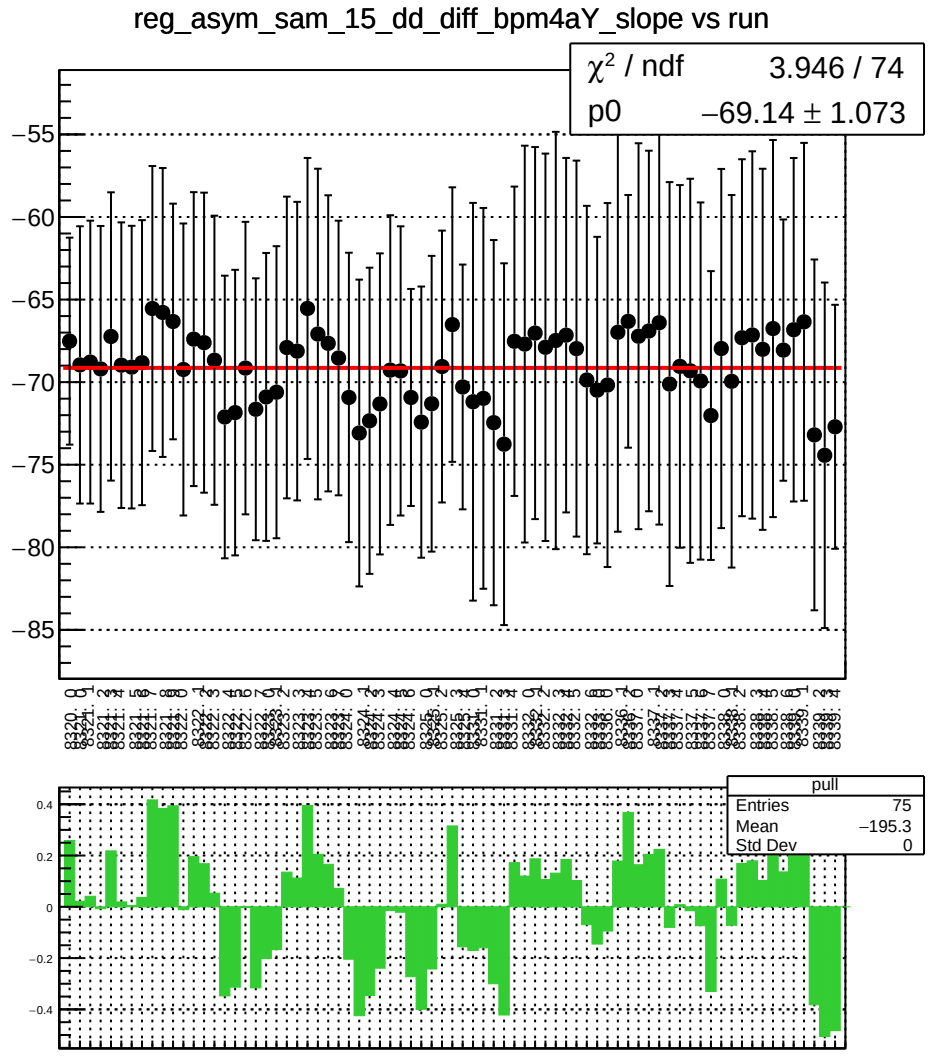

pull1D
Entries 75
Mean −0.002084
Std Dev 0.2689

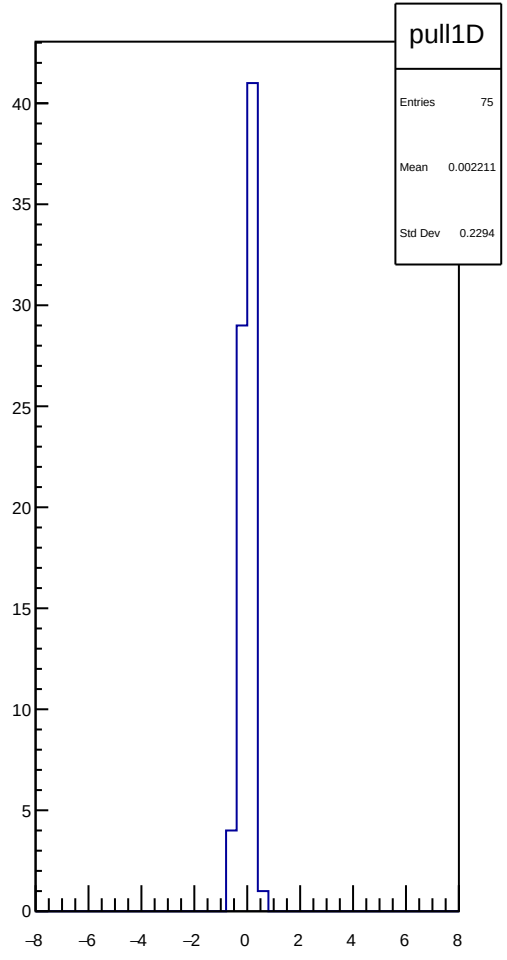

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.512 / 74
p0 1.852 ± 0.3991
pull
Entries 75
Mean −311.1
Std Dev 0
pull1D
Entries 75
Mean 0.002101
Std Dev 0.2164

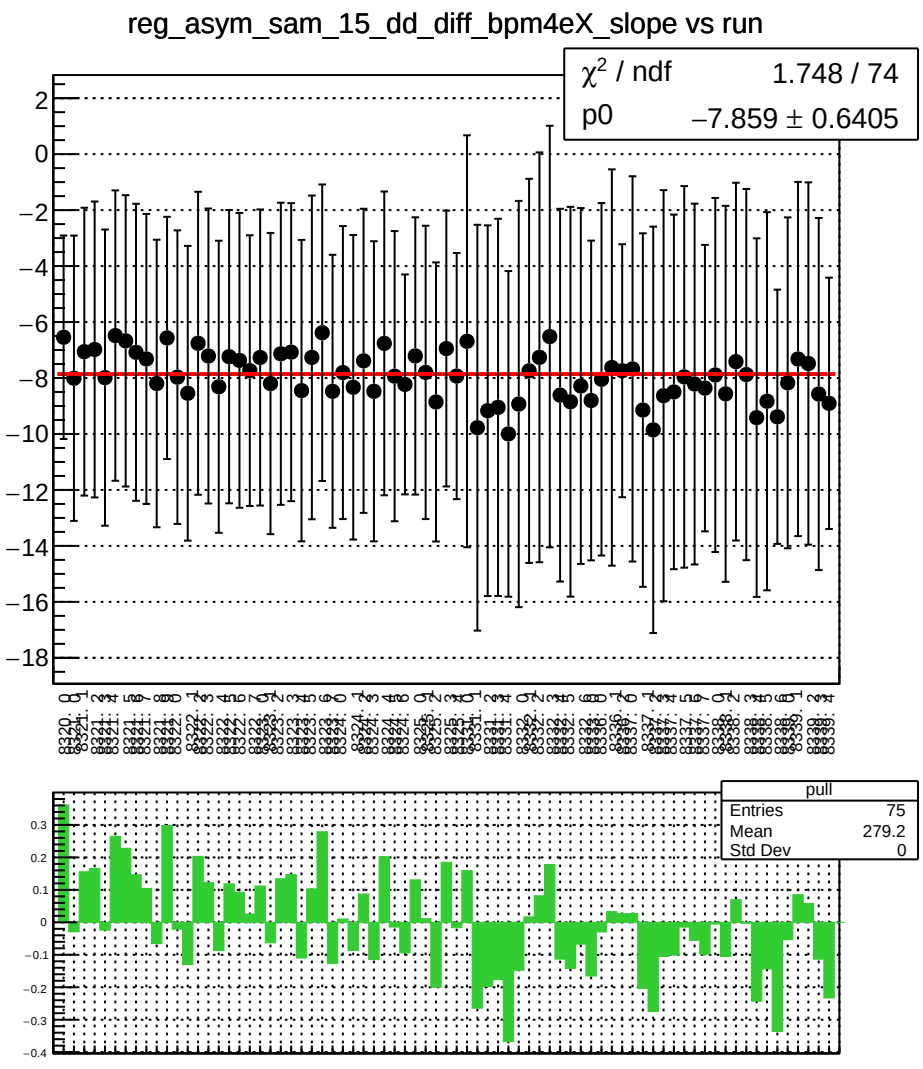

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.792 / 74
p0 28.04 ± 0.6957
pull
Entries 75
Mean 565.3
Std Dev 0
pull1D
Entries 75
Mean 0.006109
Std Dev 0.3223

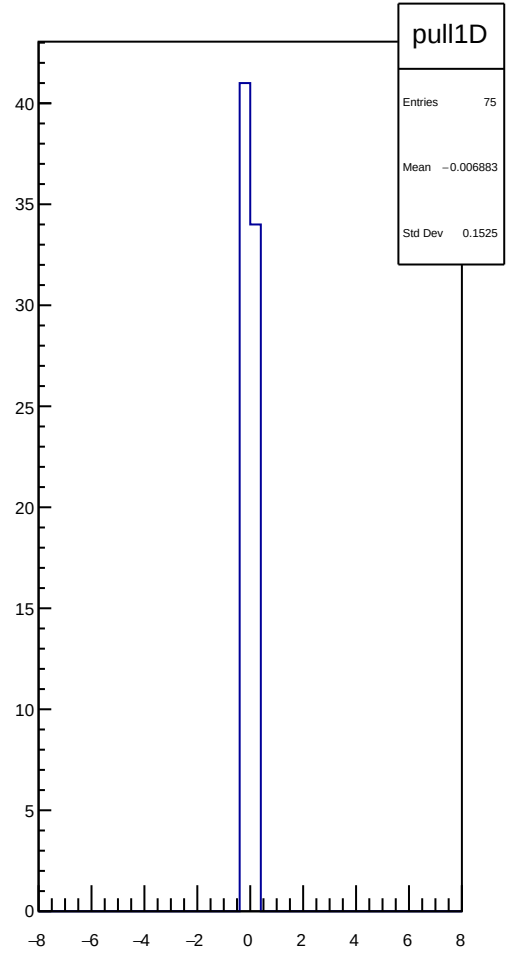

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 5.476 / 74
p0 0.1088 ± 0.03881
pull
Entries 75
Mean 166.8
Std Dev 0
pull1D
Entries 75
Mean 0.005337
Std Dev 0.2702

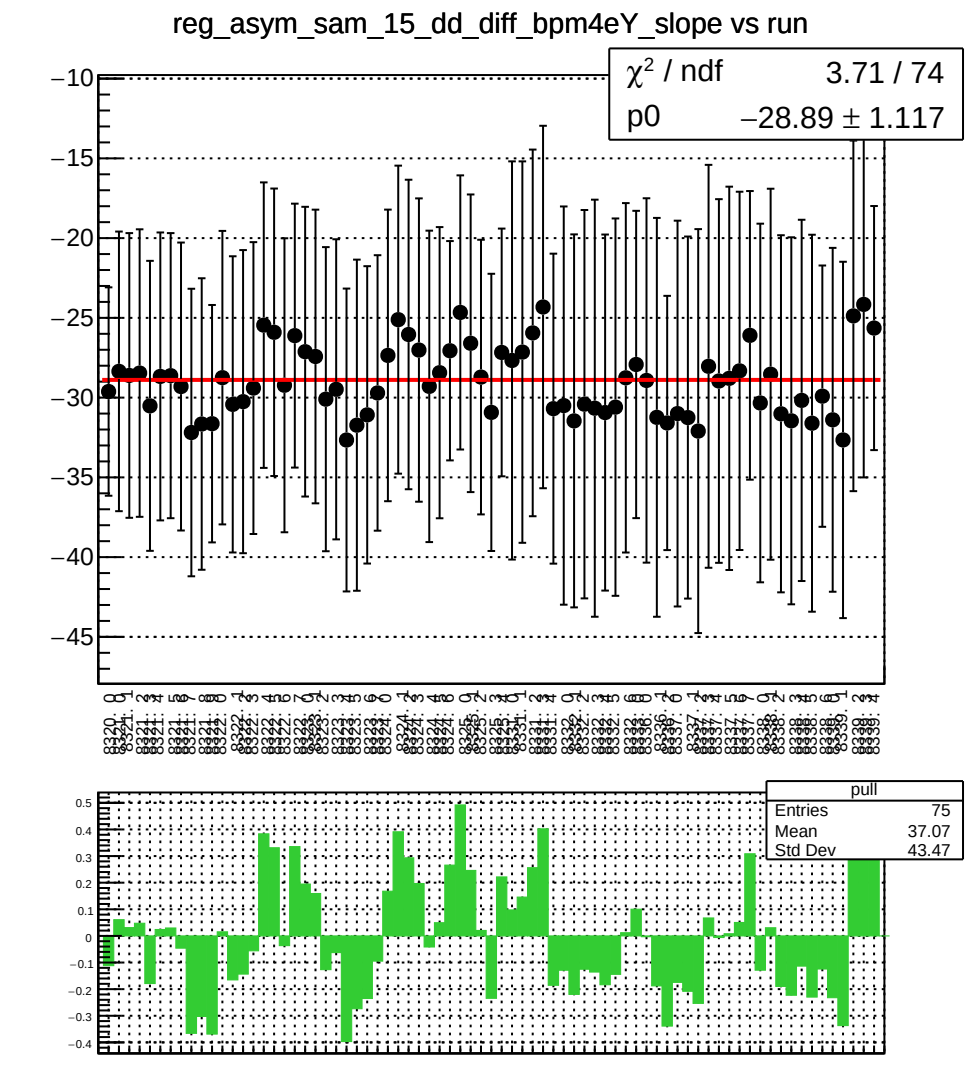

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 1.572 / 74
p0 −1.024 ± 0.5618
pull
Entries 75
Mean 439.6
Std Dev 0
pull1D
Entries 75
Mean 0.002565
Std Dev 0.1448

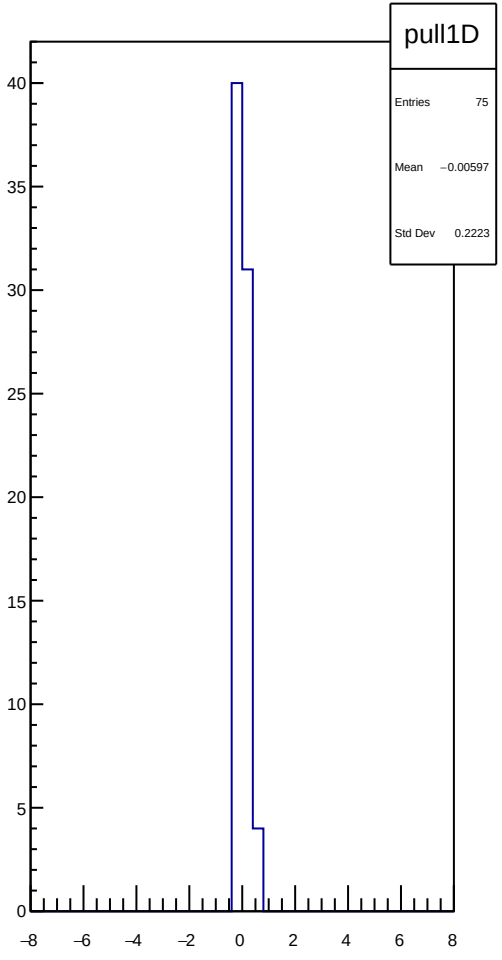

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.946 / 74
p0 −69.14 ± 1.073
pull
Entries 75
Mean −195.3
Std Dev 0

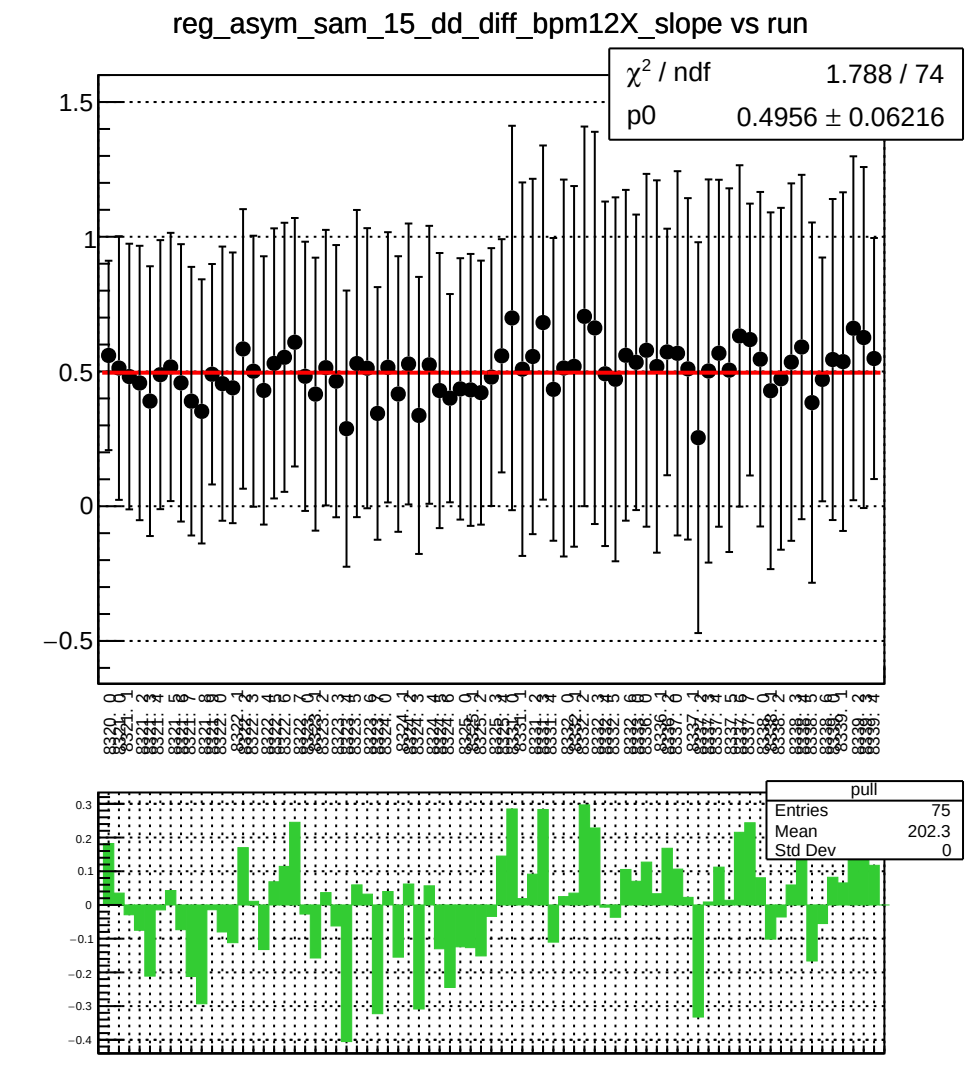

pull1D
Entries 75
Mean 0.002211
Std Dev 0.2294

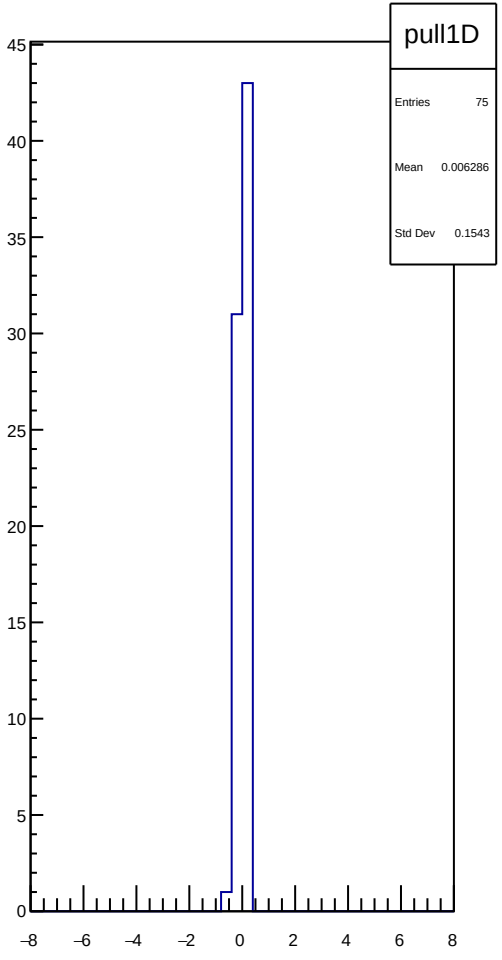

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.748 / 74
p0 −7.859 ± 0.6405
pull
Entries 75
Mean 279.2
Std Dev 0

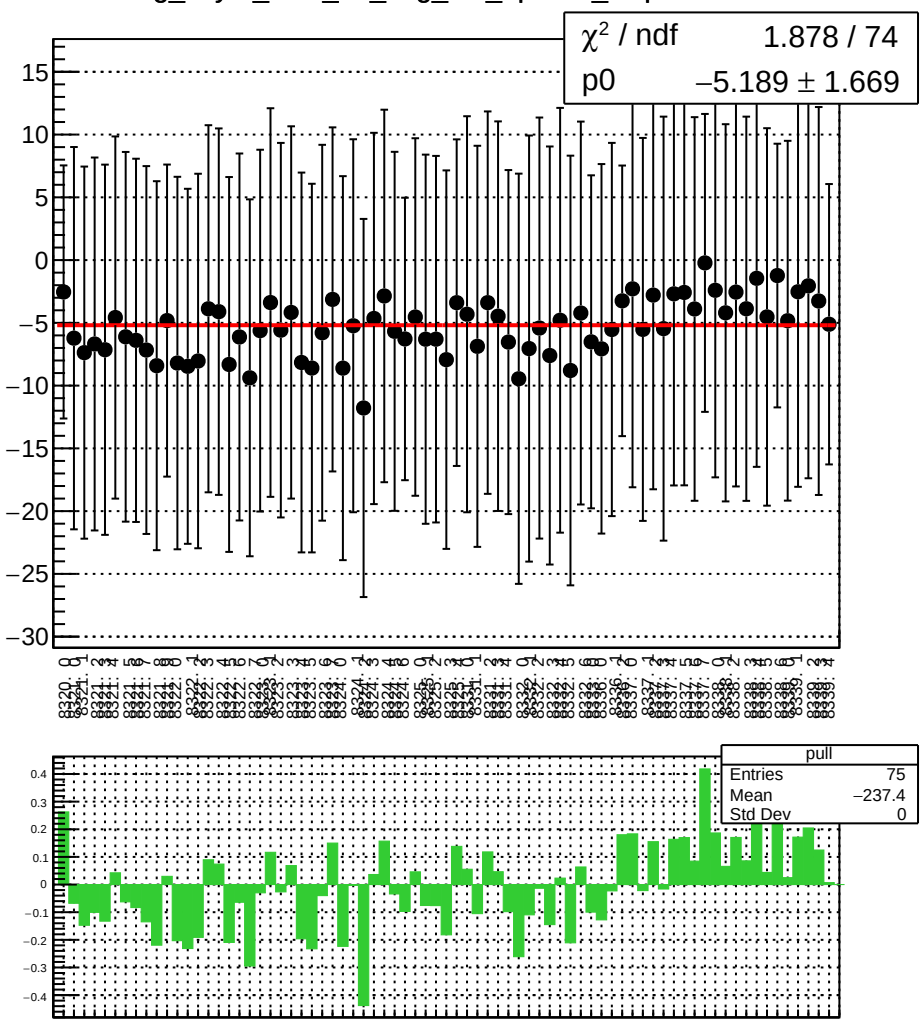

pull1D
Entries 75
Mean −0.006883
Std Dev 0.1525

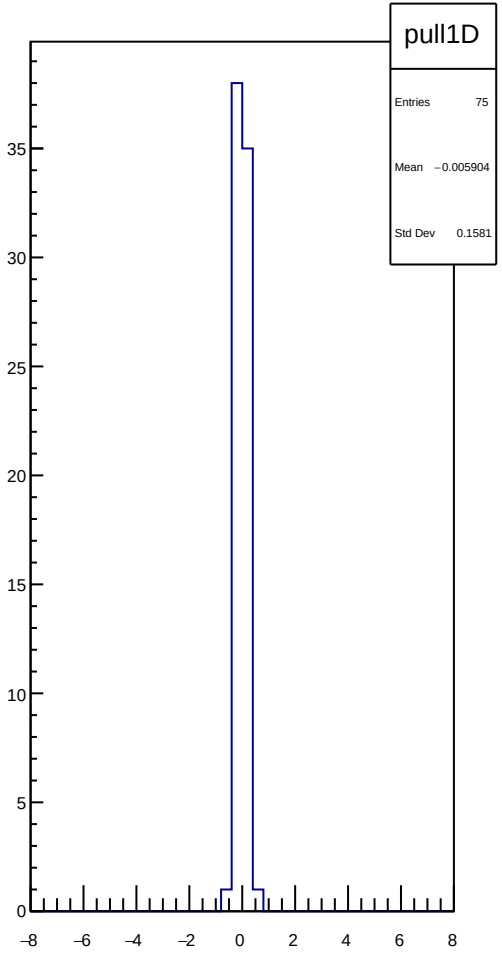

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.71 / 74
p0 −28.89 ± 1.117
pull
Entries 75
Mean 37.07
Std Dev 43.47

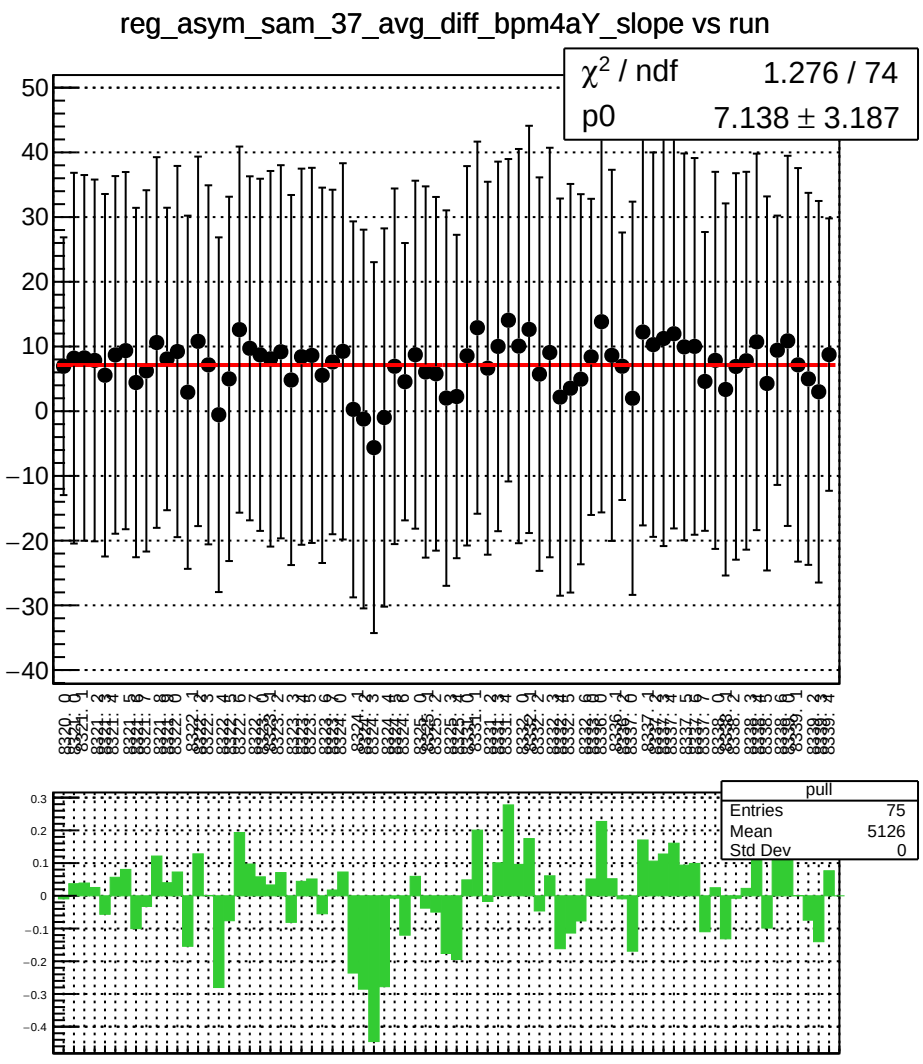

pull1D
Entries 75
Mean −0.00597
Std Dev 0.2223

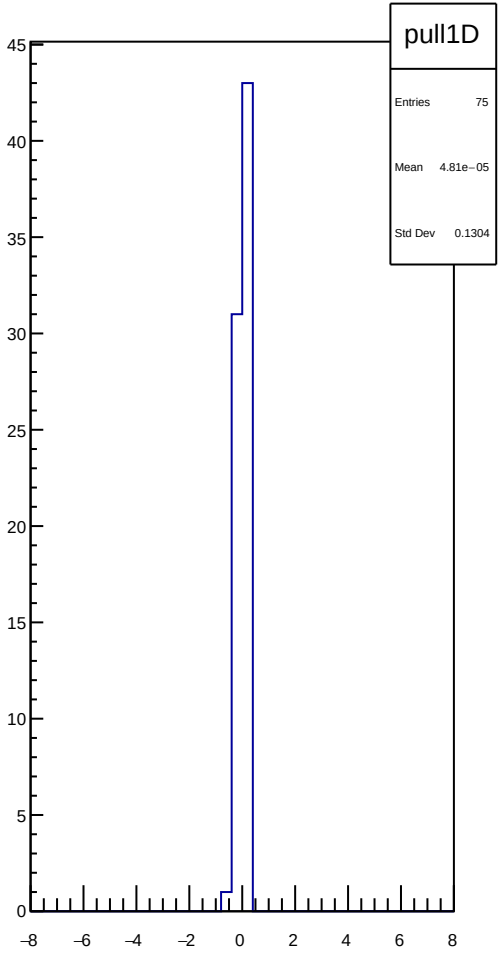

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 1.788 / 74
p0 0.4956 ± 0.06216
pull
Entries 75
Mean 202.3
Std Dev 0

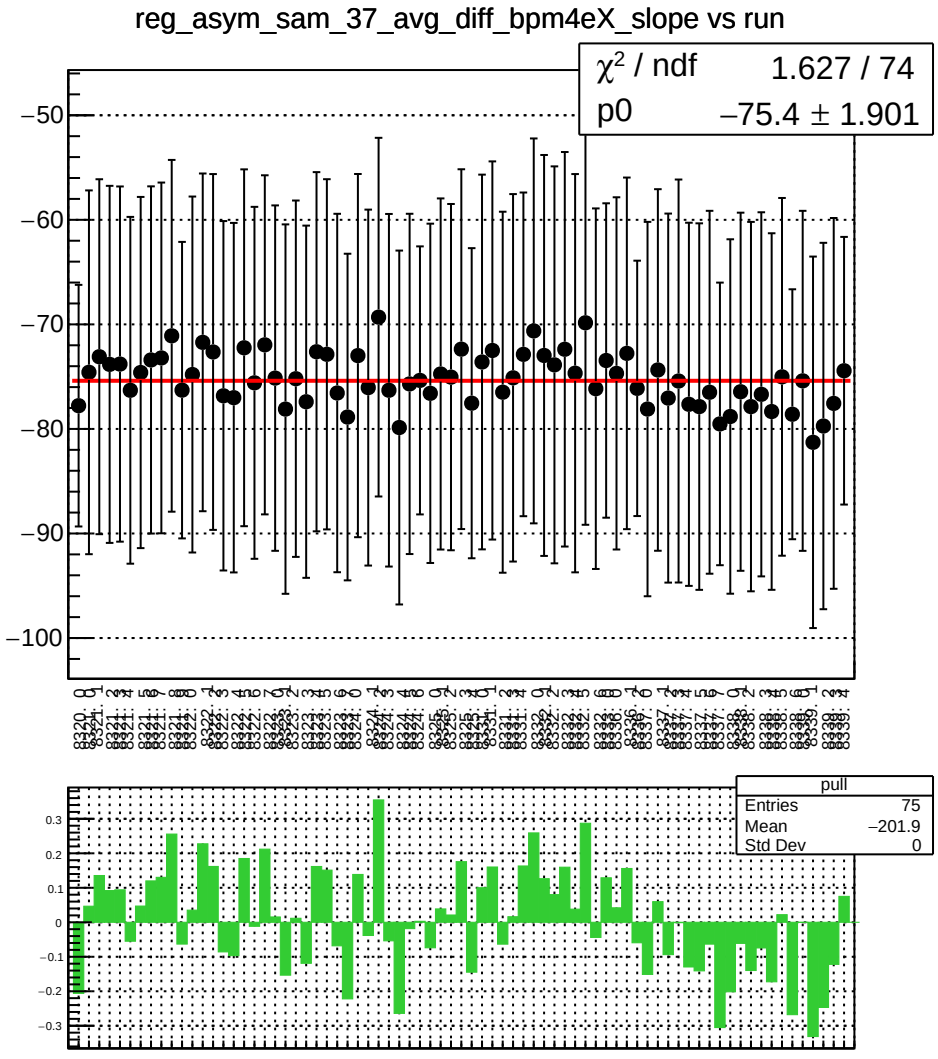

pull1D
Entries 75
Mean 0.006286
Std Dev 0.1543

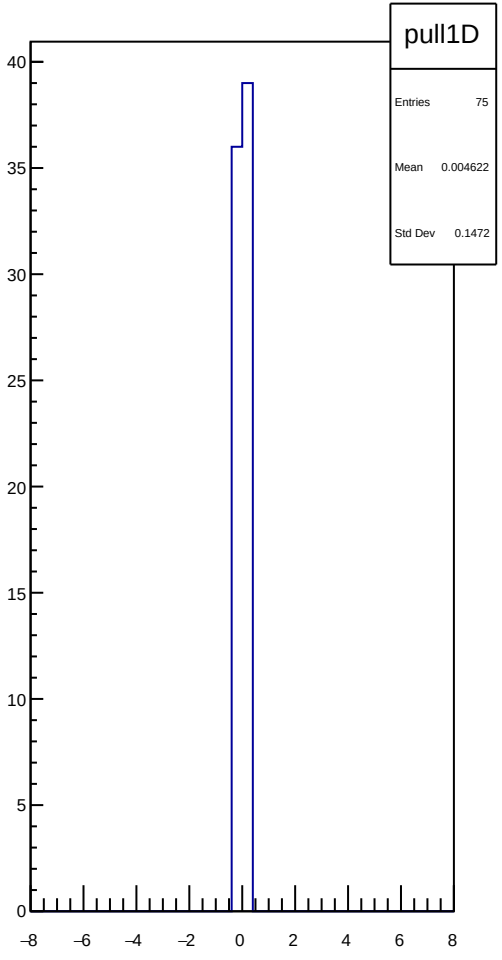

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1.878 / 74
p0 −5.189 ± 1.669
pull
Entries 75
Mean −237.4
Std Dev 0

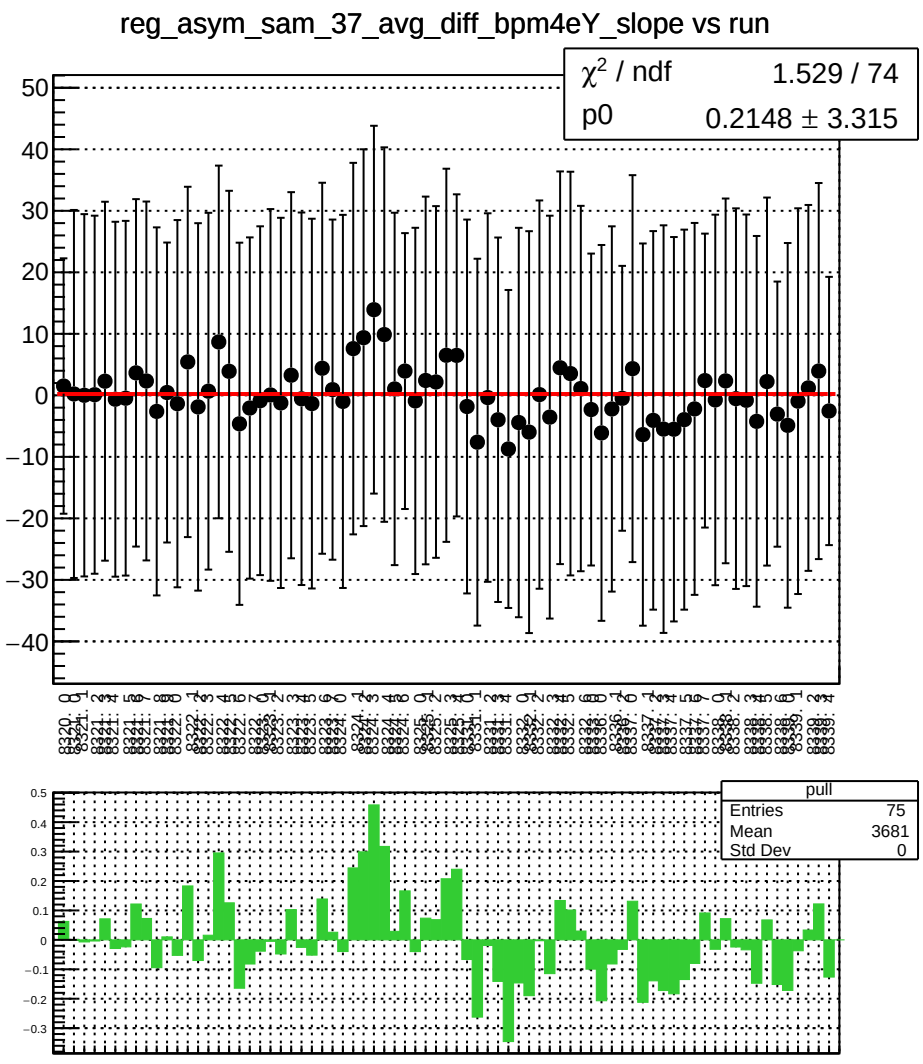

pull1D
Entries 75
Mean −0.005904
Std Dev 0.1581

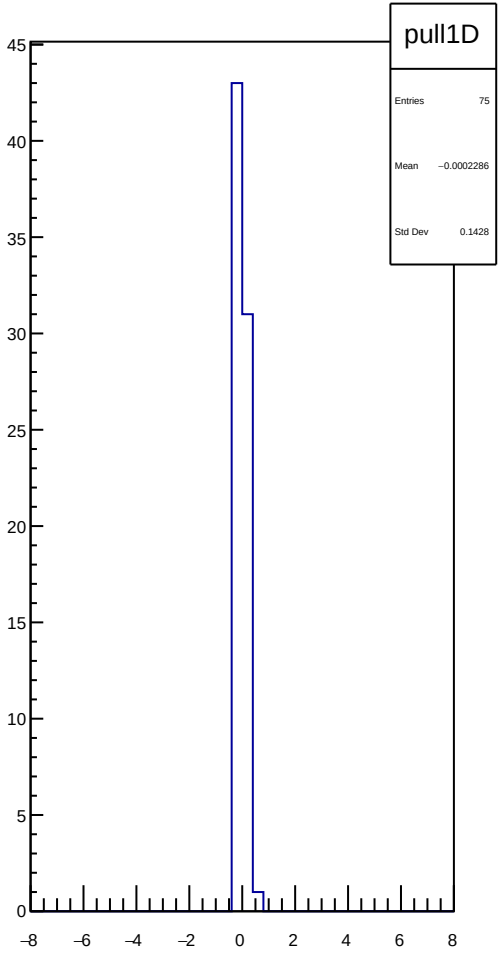

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.276 / 74
p0 7.138 ± 3.187
pull
Entries 75
Mean 5126
Std Dev 0

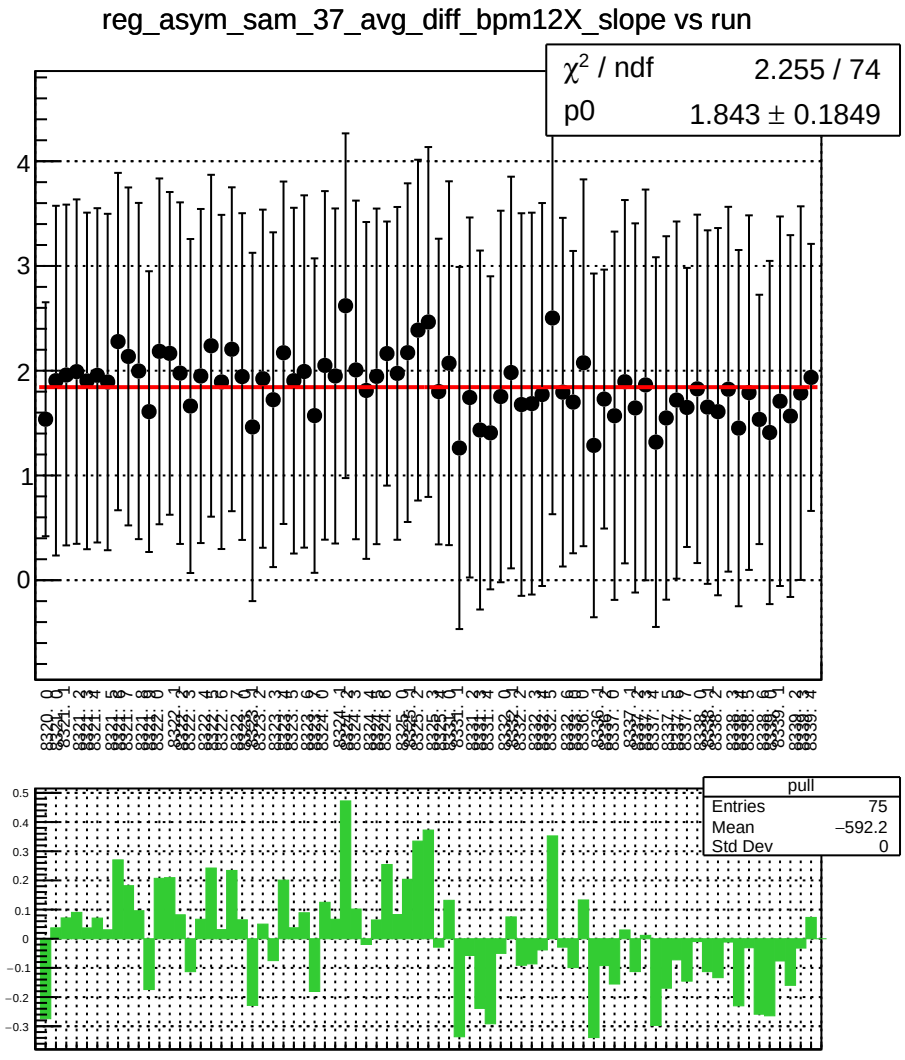

pull1D
Entries 75
Mean 4.81e−05
Std Dev 0.1304

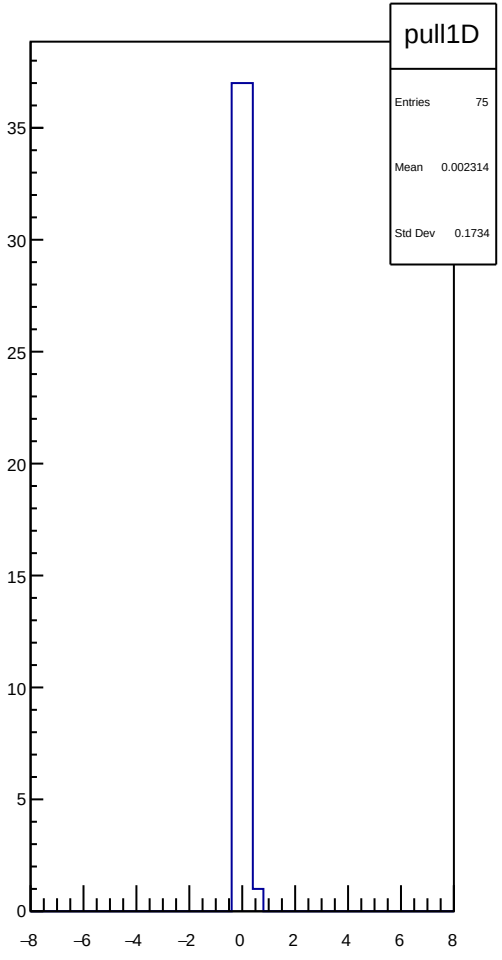

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.627 / 74
p0 −75.4 ± 1.901
pull
Entries 75
Mean −201.9
Std Dev 0

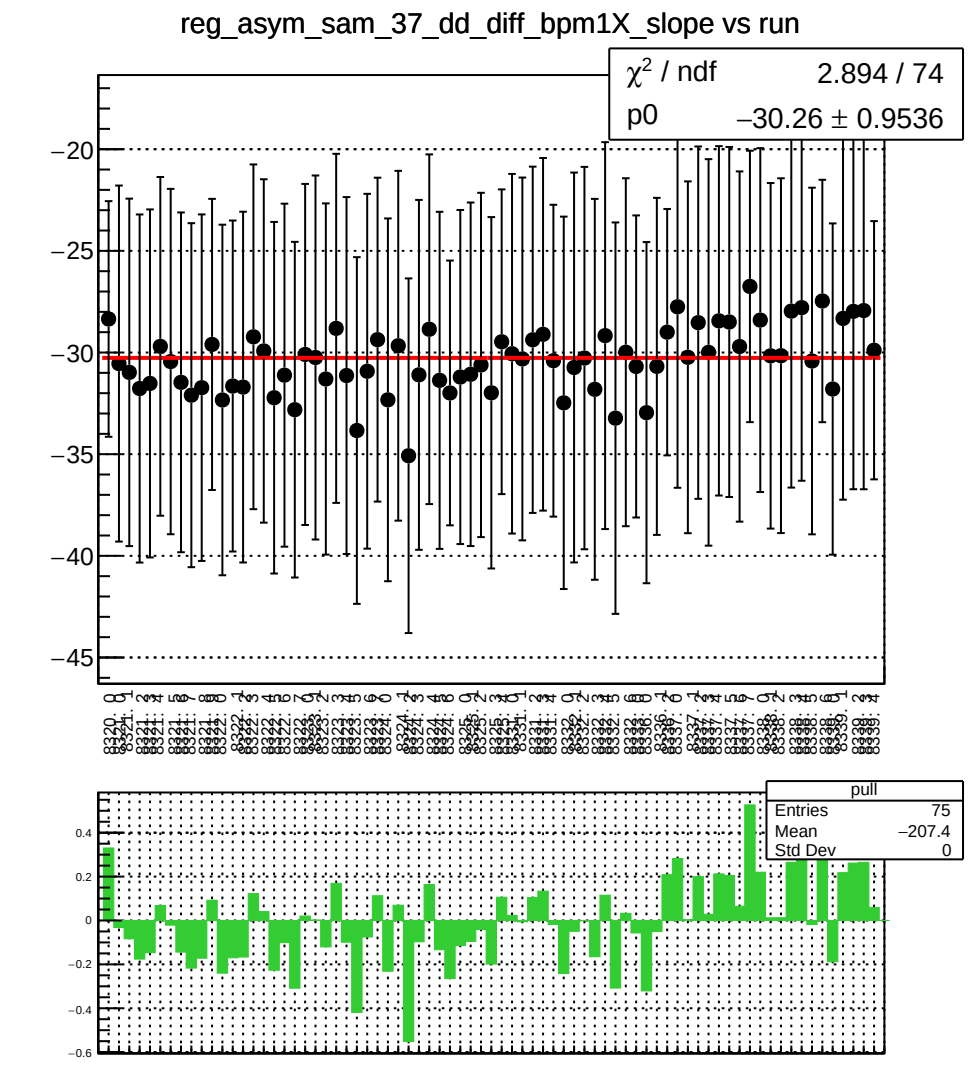

pull1D
Entries 75
Mean 0.004622
Std Dev 0.1472

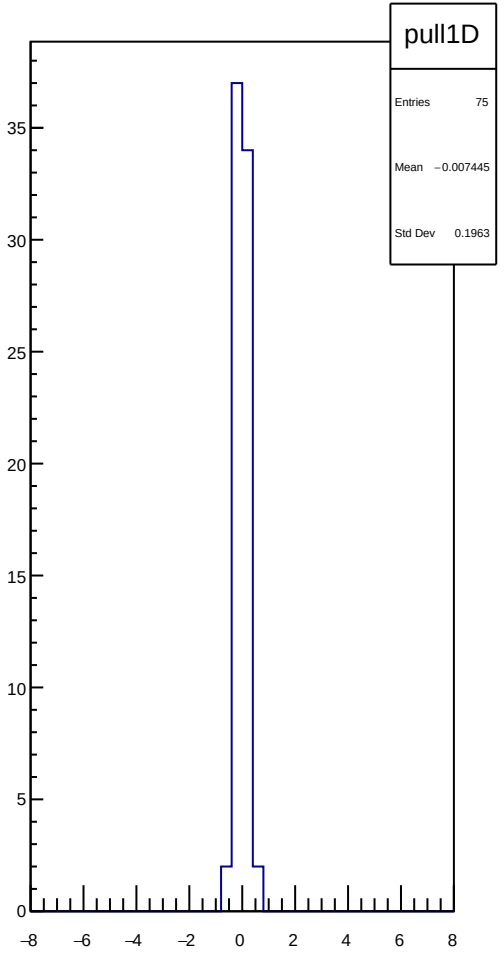

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.529 / 74
p0 0.2148 ± 3.315
pull
Entries 75
Mean 3681
Std Dev 0

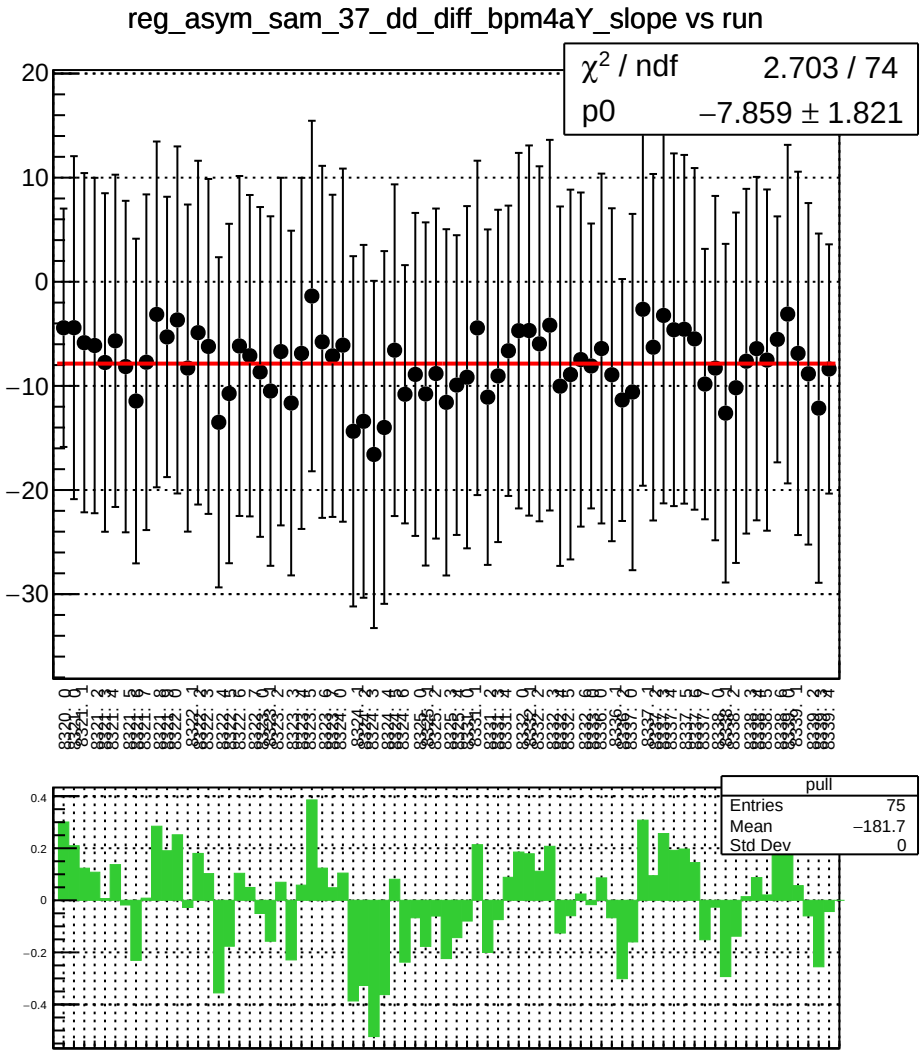

pull1D
Entries 75
Mean −0.0002286
Std Dev 0.1428

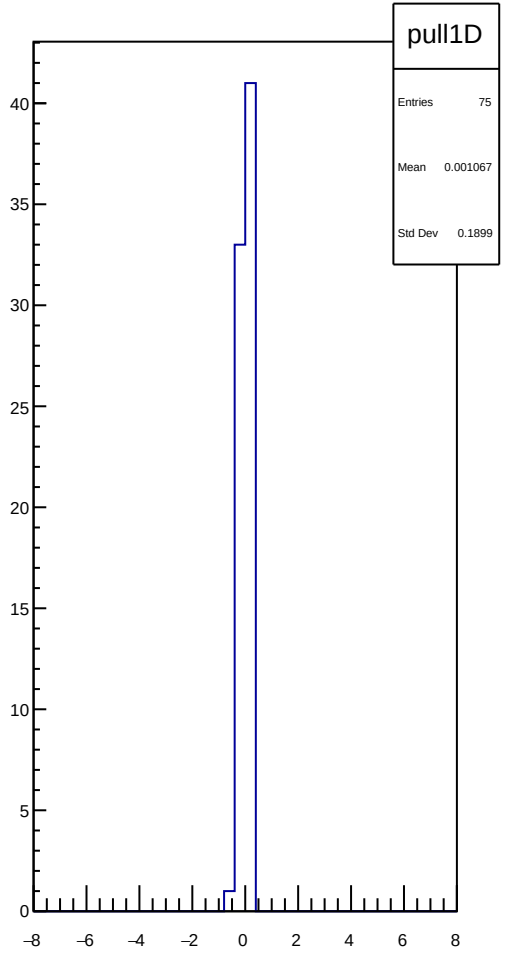

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.255 / 74
p0 1.843 ± 0.1849
pull
Entries 75
Mean −592.2
Std Dev 0

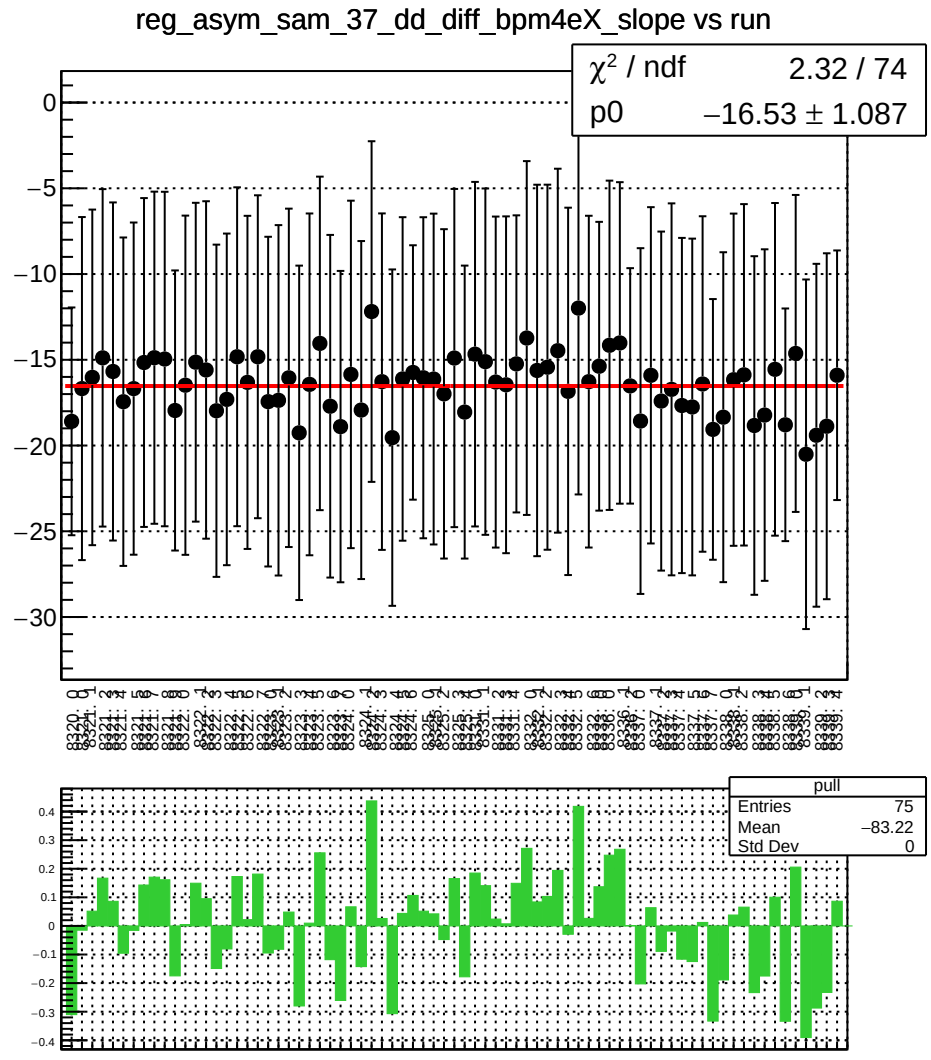

pull1D
Entries 75
Mean 0.002314
Std Dev 0.1734

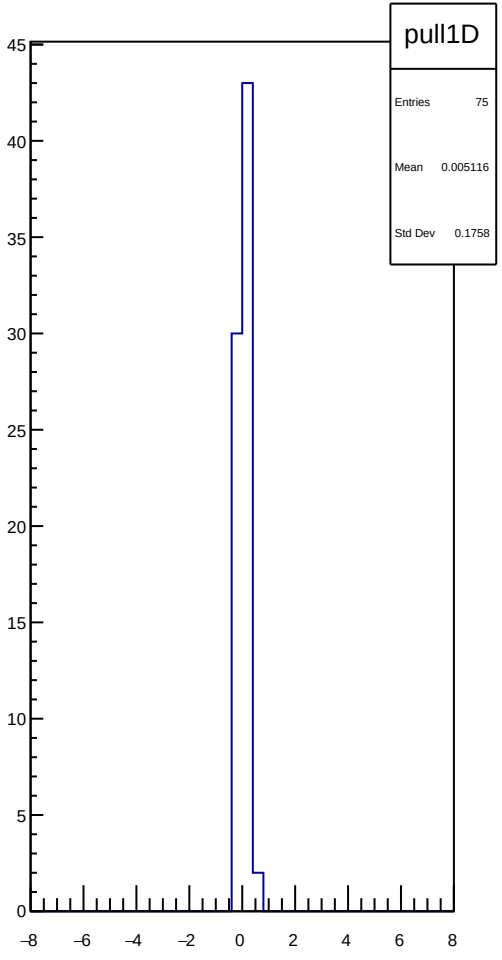

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.894 / 74
p0 −30.26 ± 0.9536
pull
Entries 75
Mean −207.4
Std Dev 0

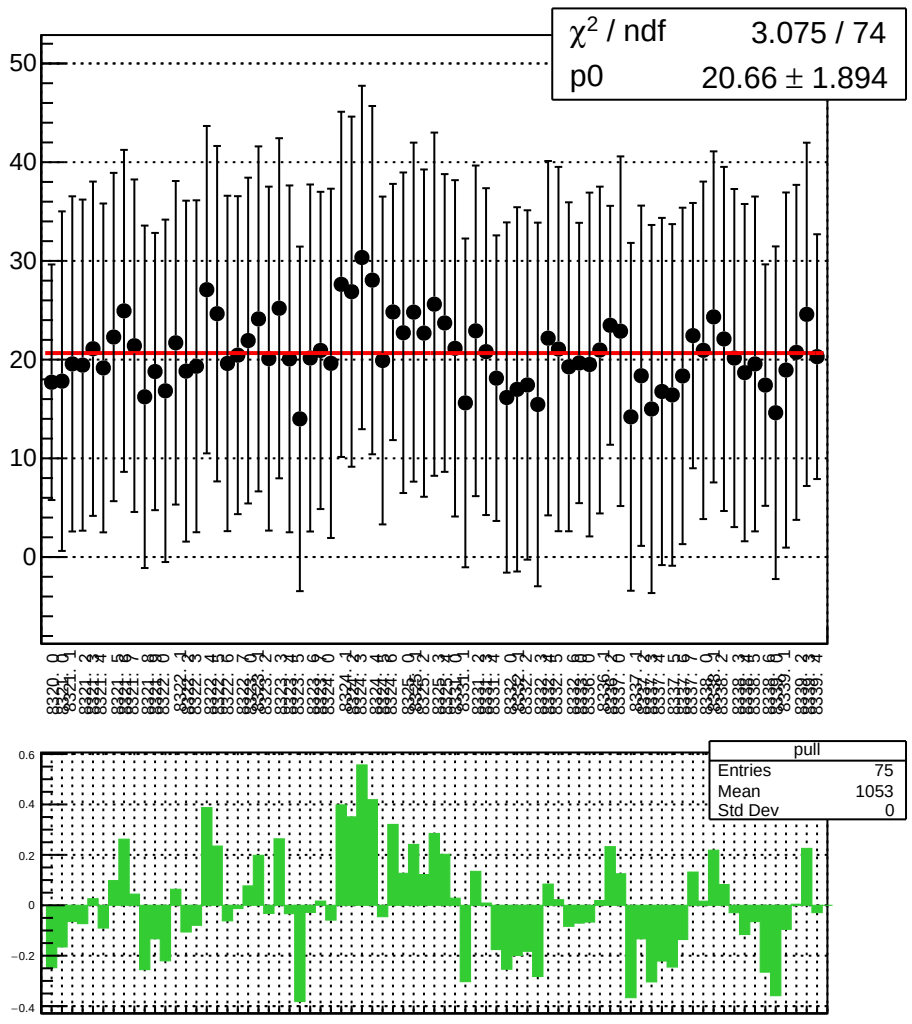

pull1D
Entries 75
Mean −0.007445
Std Dev 0.1963

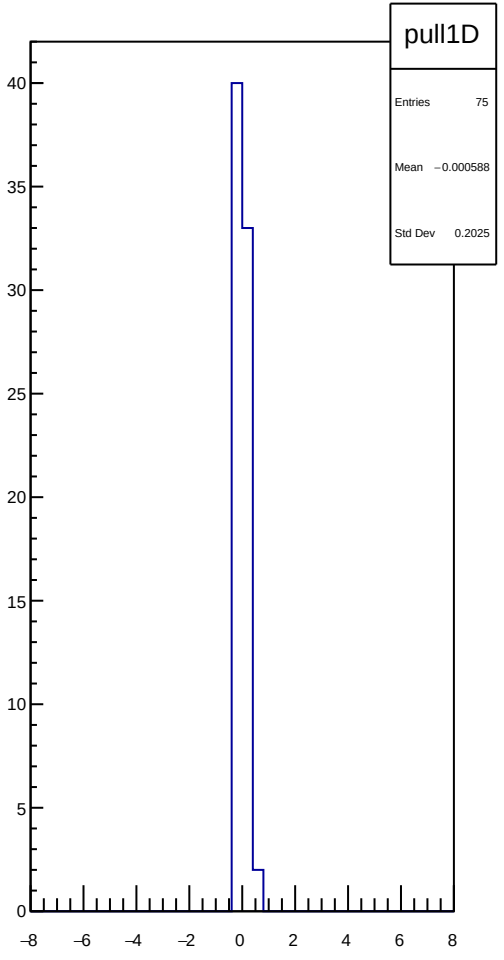

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.703 / 74
p0 −7.859 ± 1.821
pull
Entries 75
Mean −181.7
Std Dev 0

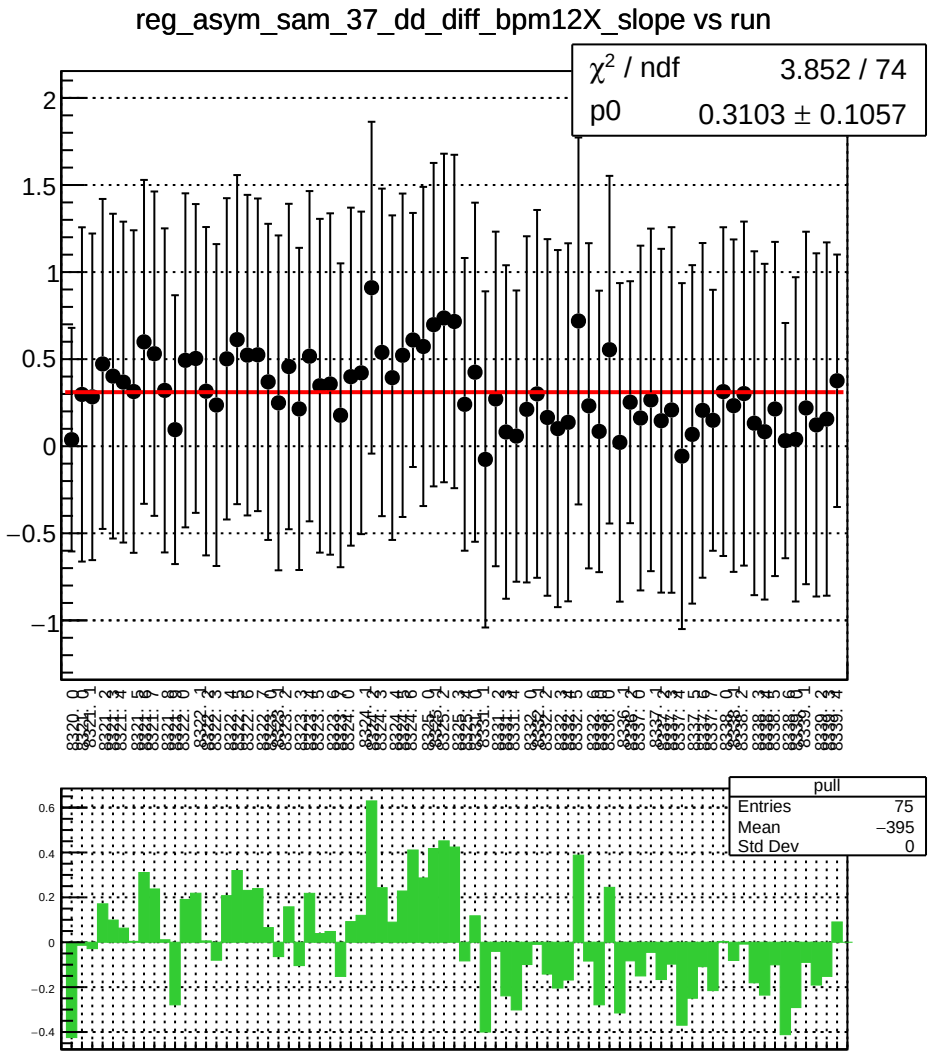

pull1D
Entries 75
Mean 0.001067
Std Dev 0.1899

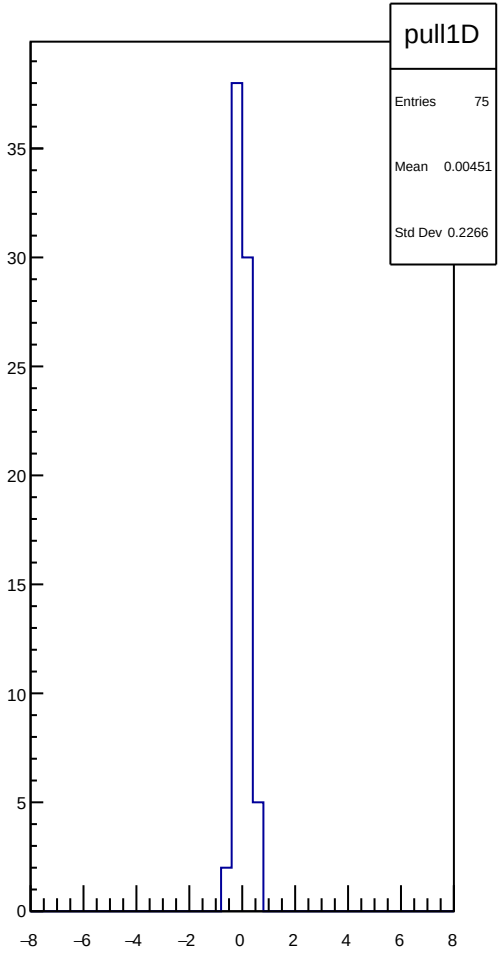

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.32 / 74
p0 −16.53 ± 1.087
pull
Entries 75
Mean −83.22
Std Dev 0

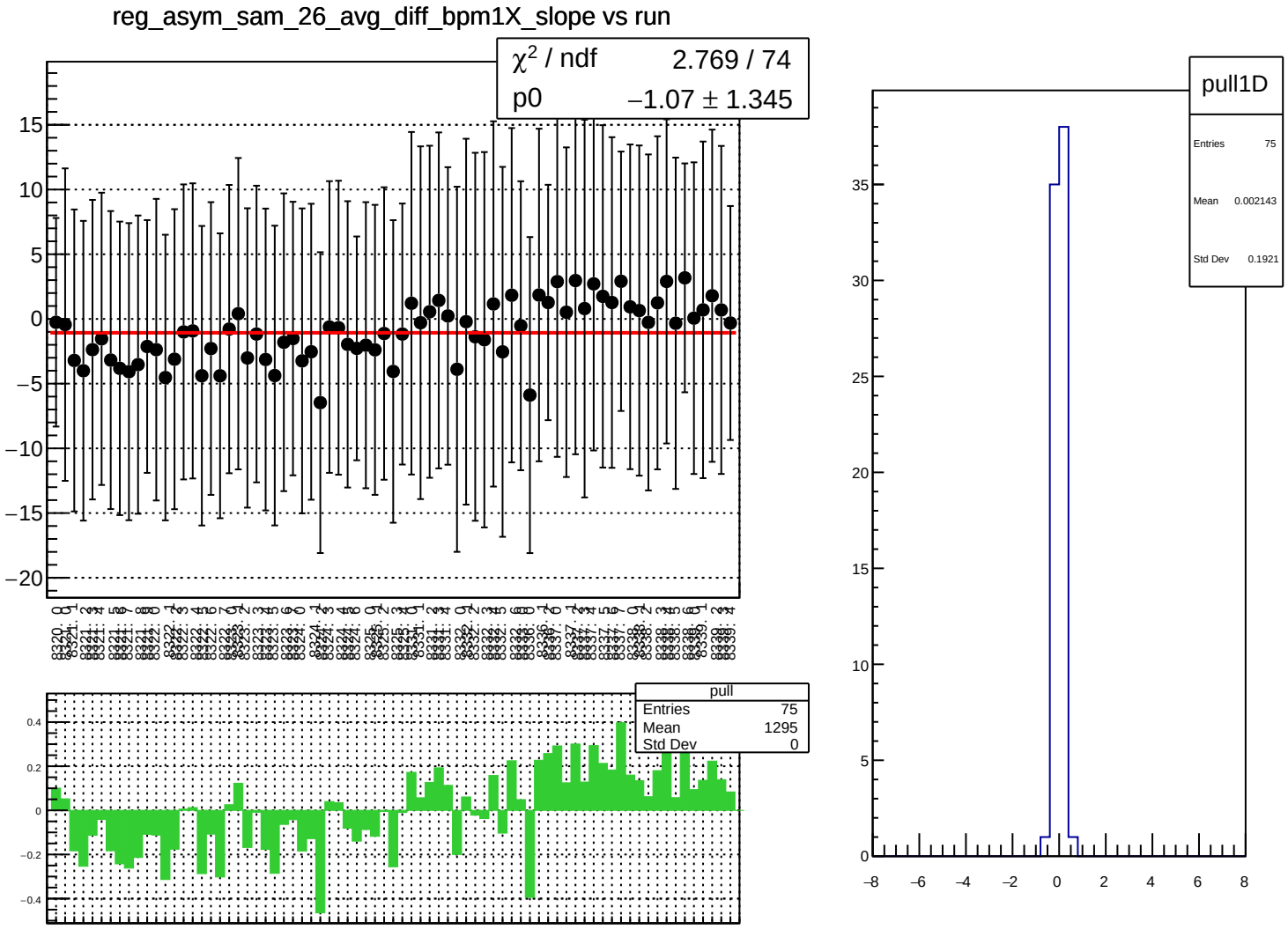

pull1D
Entries 75
Mean 0.005116
Std Dev 0.1758

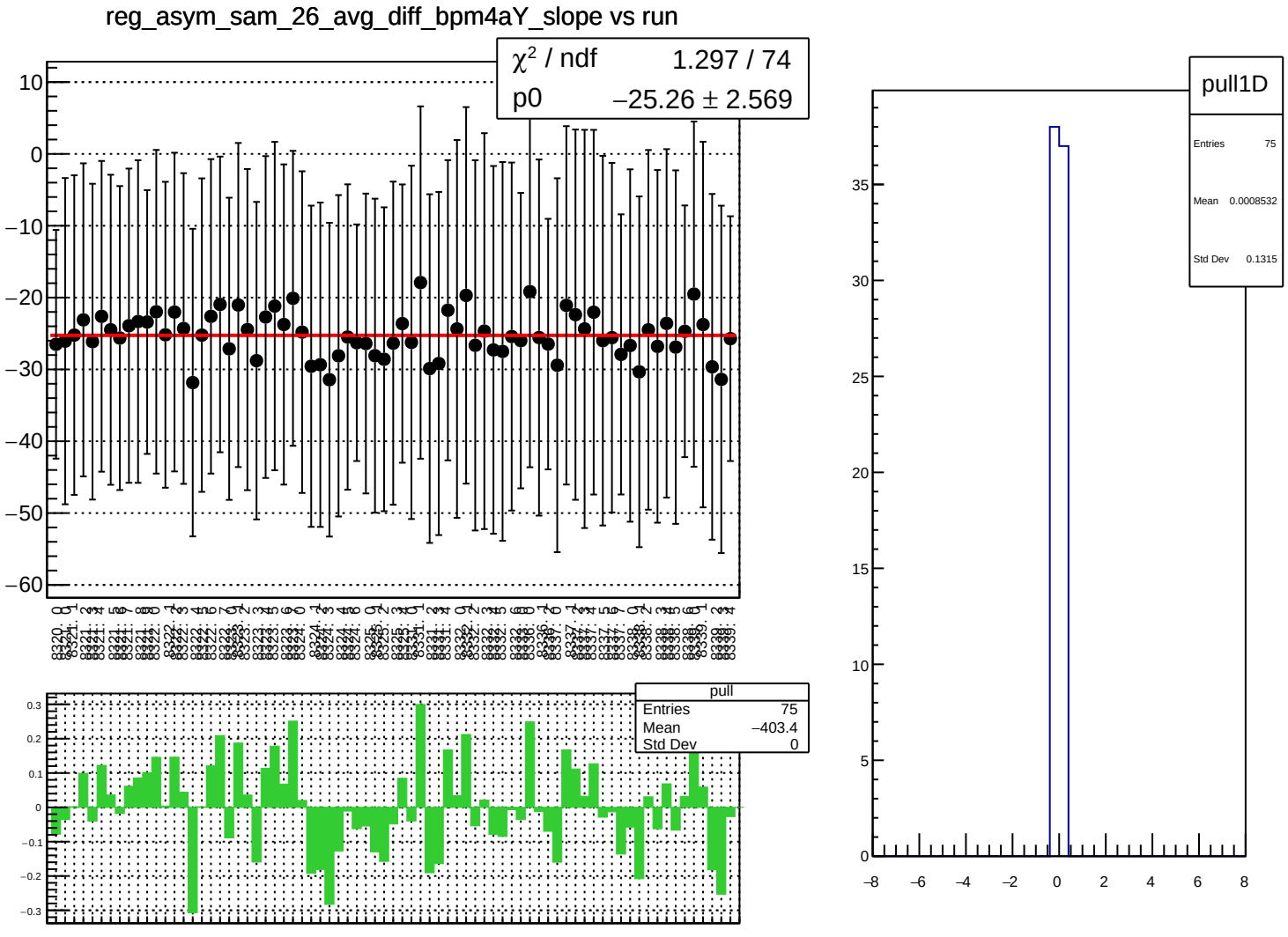

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.075 / 74
p0 20.66 ± 1.894
pull
Entries 75
Mean 1053
Std Dev 0

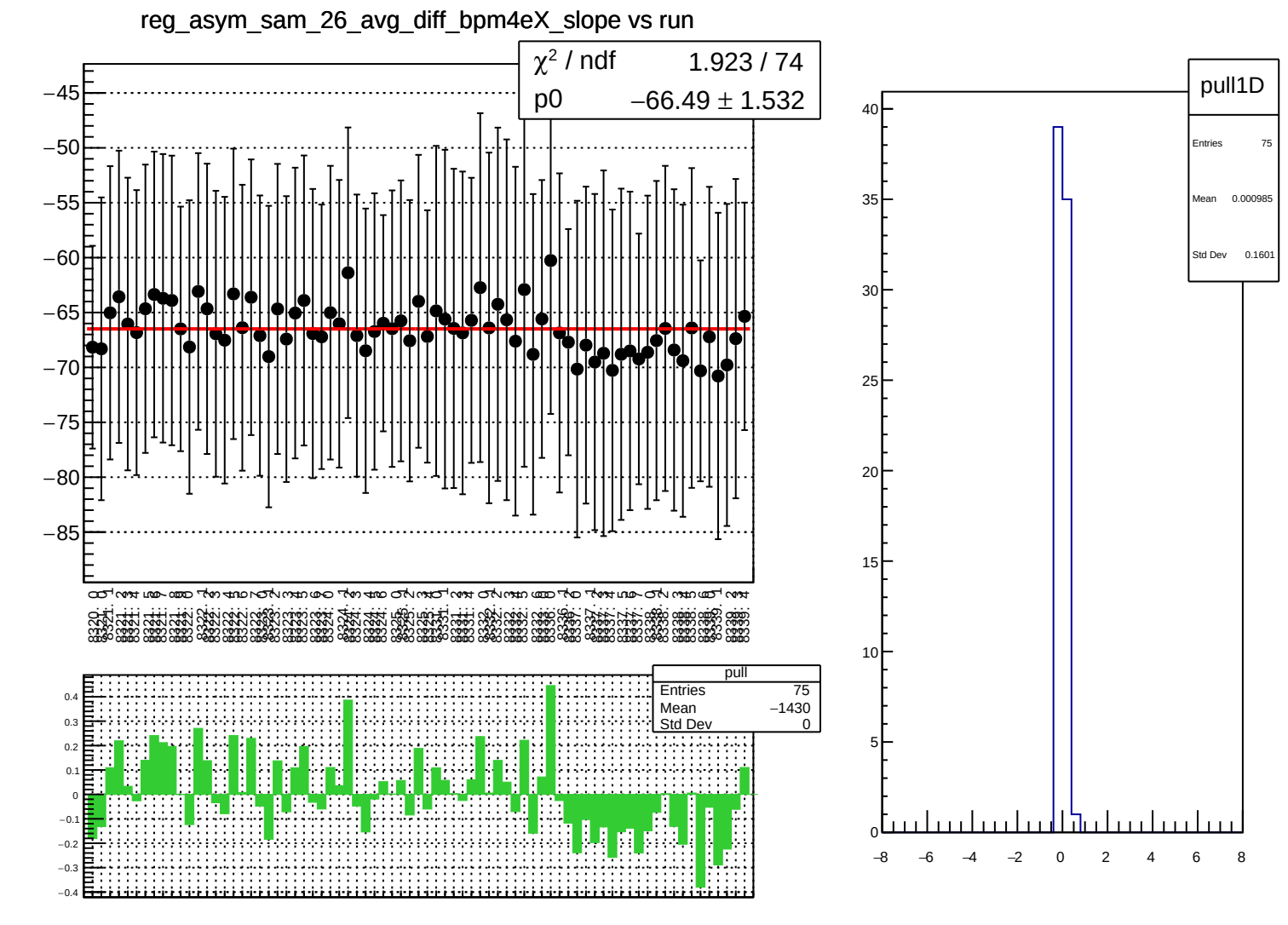

pull1D
Entries 75
Mean −0.000588
Std Dev 0.2025

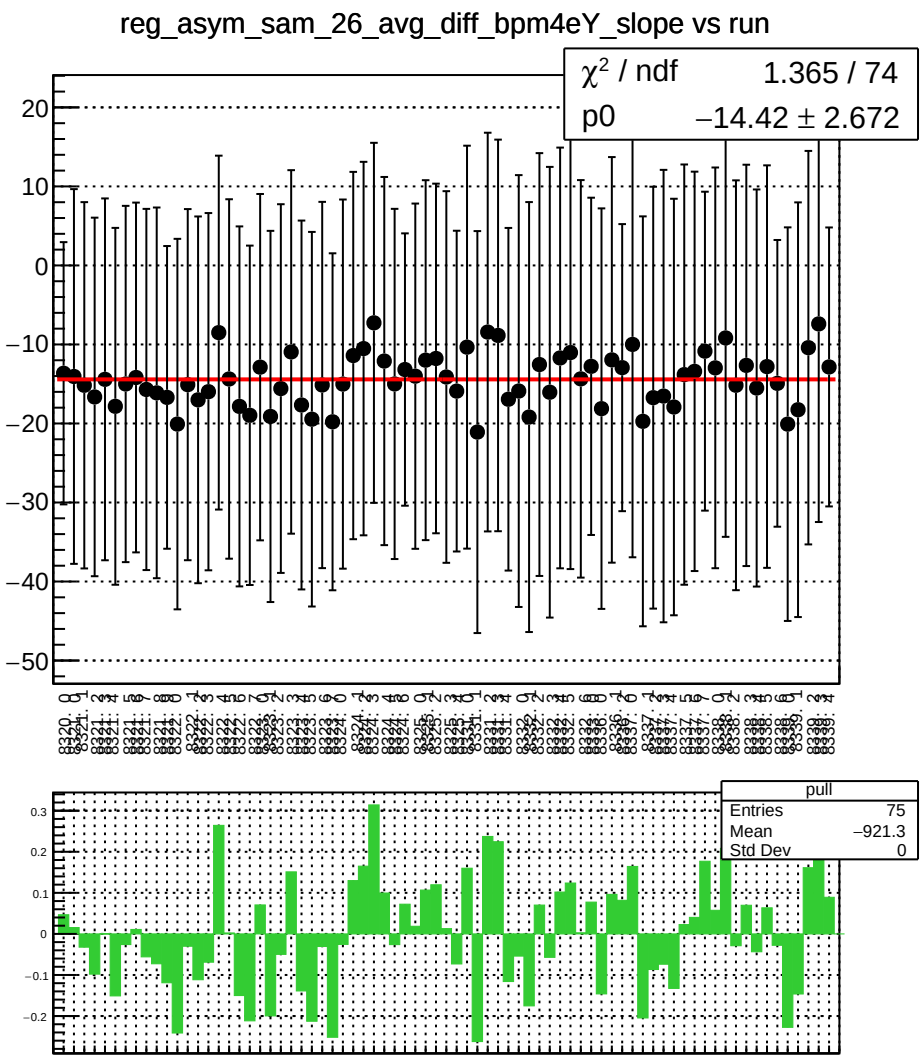

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.852 / 74
p0 0.3103 ± 0.1057
pull
Entries 75
Mean −395
Std Dev 0

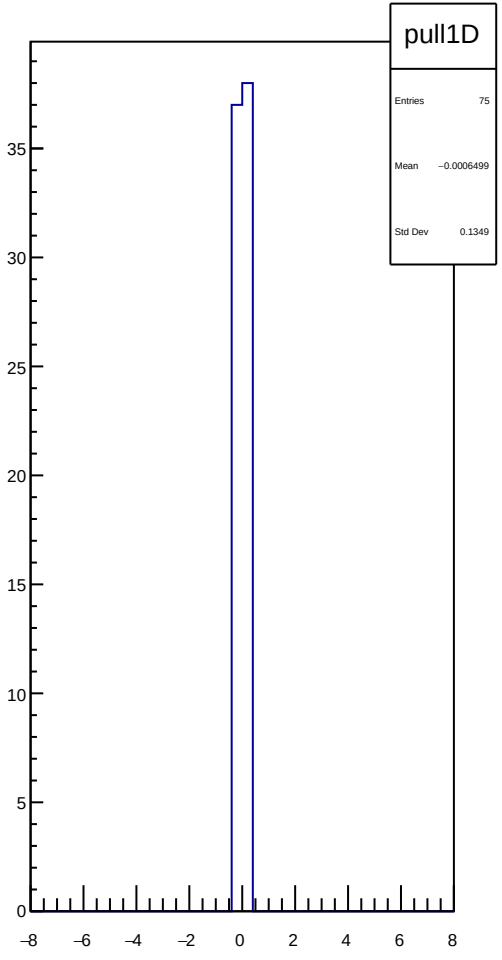

pull1D
Entries 75
Mean 0.00451
Std Dev 0.2266

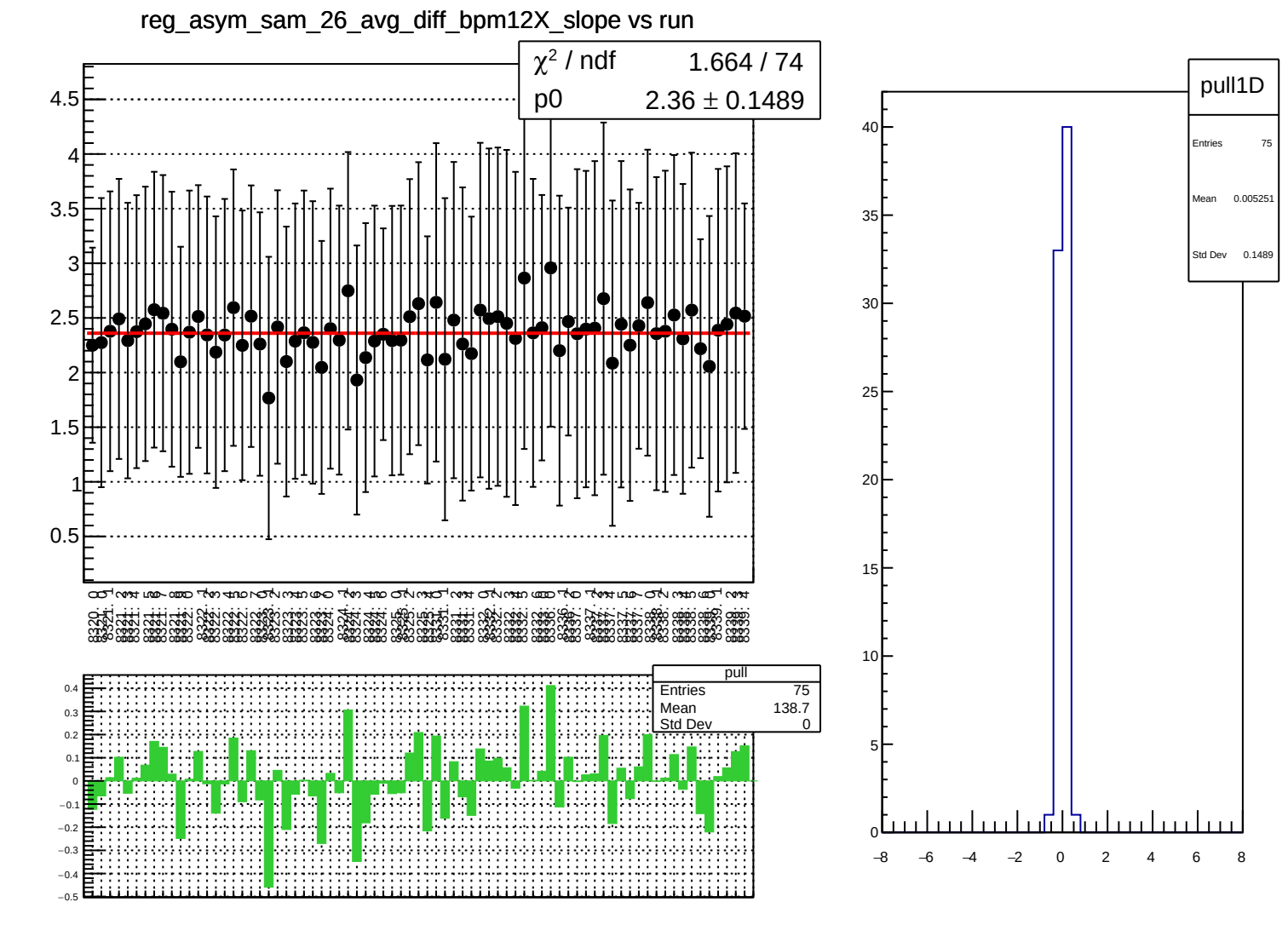

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.769 / 74
p0 −1.07 ± 1.345
pull
Entries 75
Mean 1295
Std Dev 0
pull1D
Entries 75
Mean 0.002143
Std Dev 0.1921

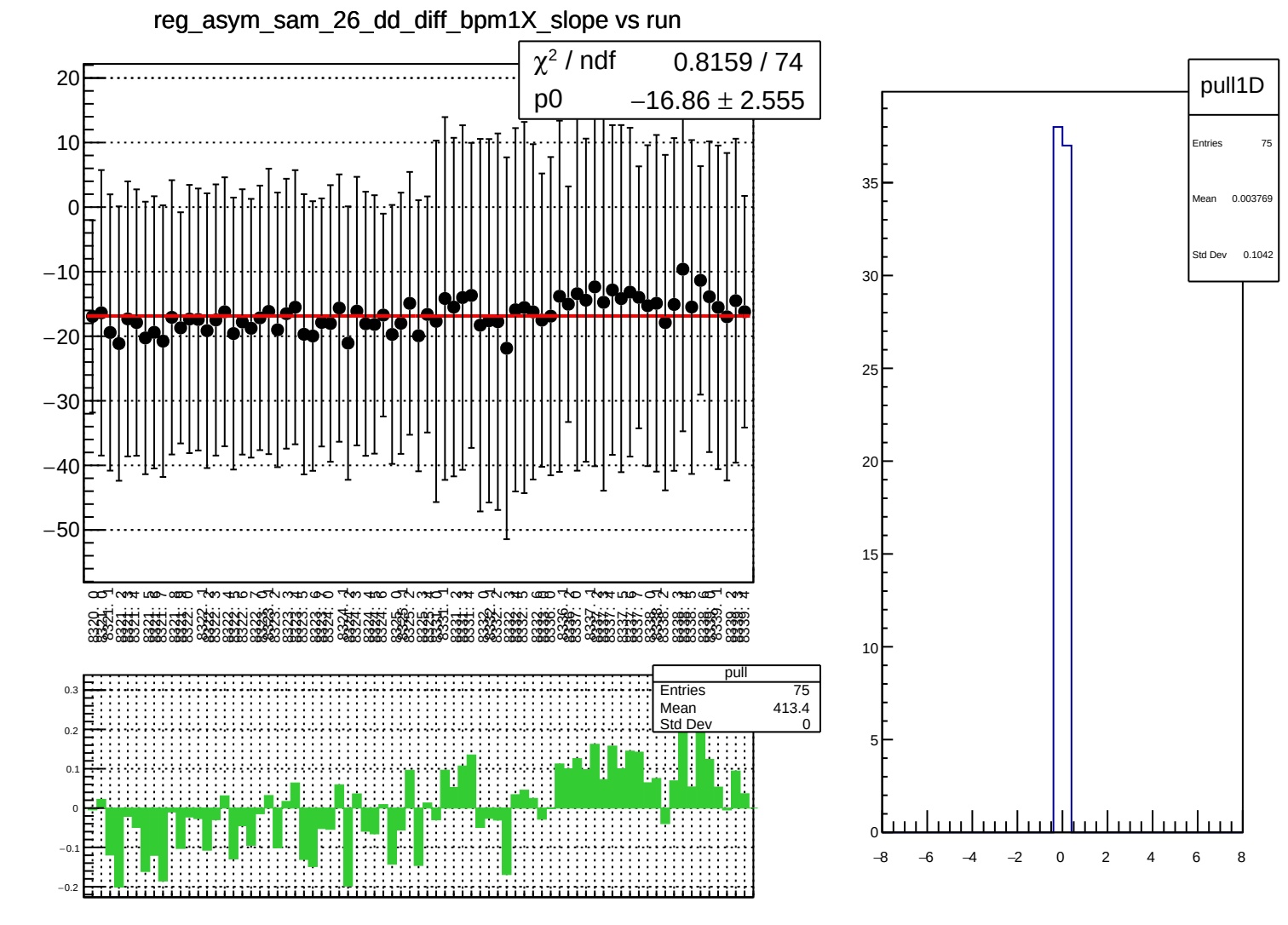

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.297 / 74
p0 −25.26 ± 2.569
pull
Entries 75
Mean −403.4
Std Dev 0
pull1D
Entries 75
Mean 0.0008532
Std Dev 0.1315

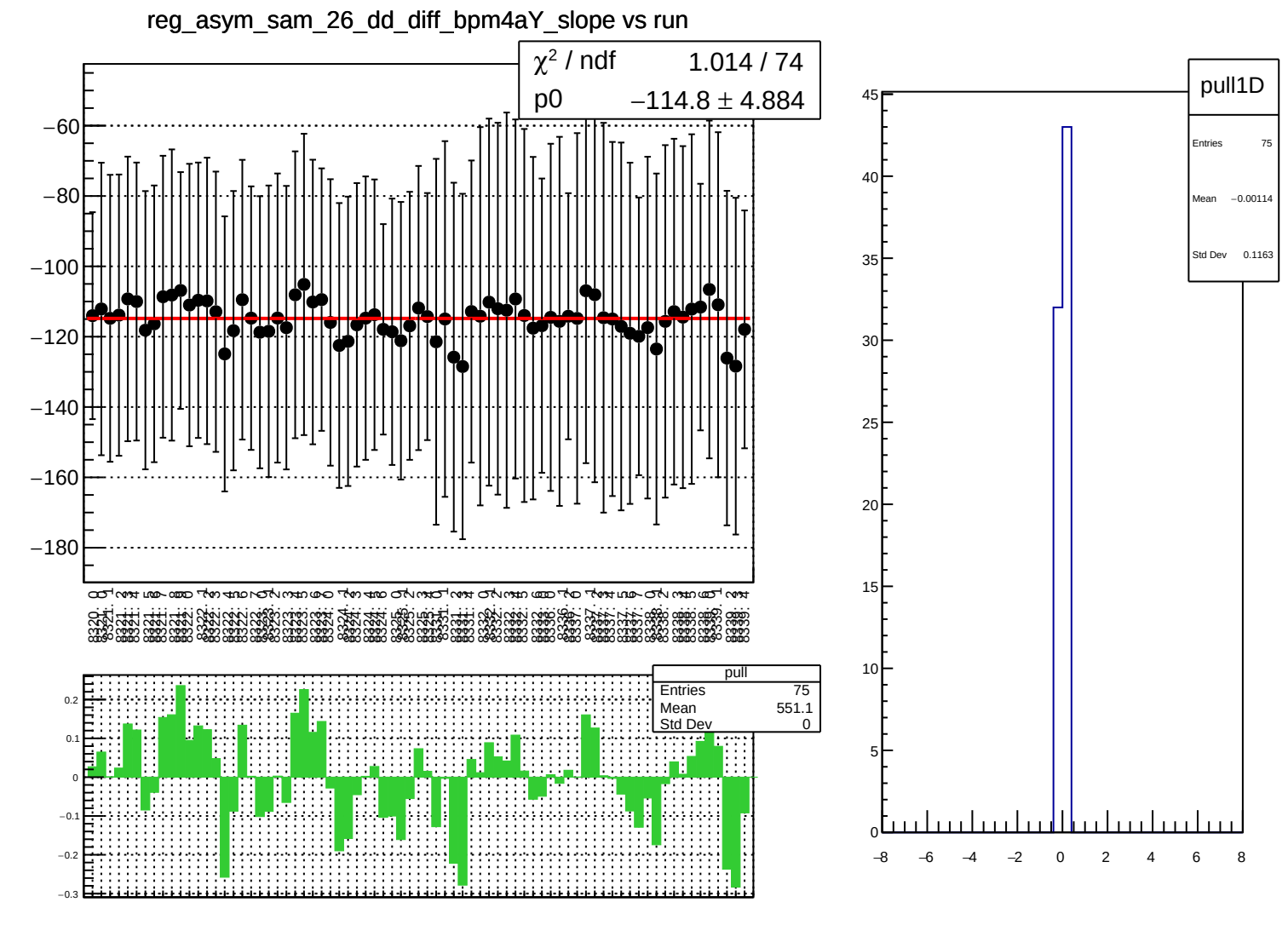

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.923 / 74
p0 −66.49 ± 1.532
pull
Entries 75
Mean −1430
Std Dev 0
pull1D
Entries 75
Mean 0.000985
Std Dev 0.1601

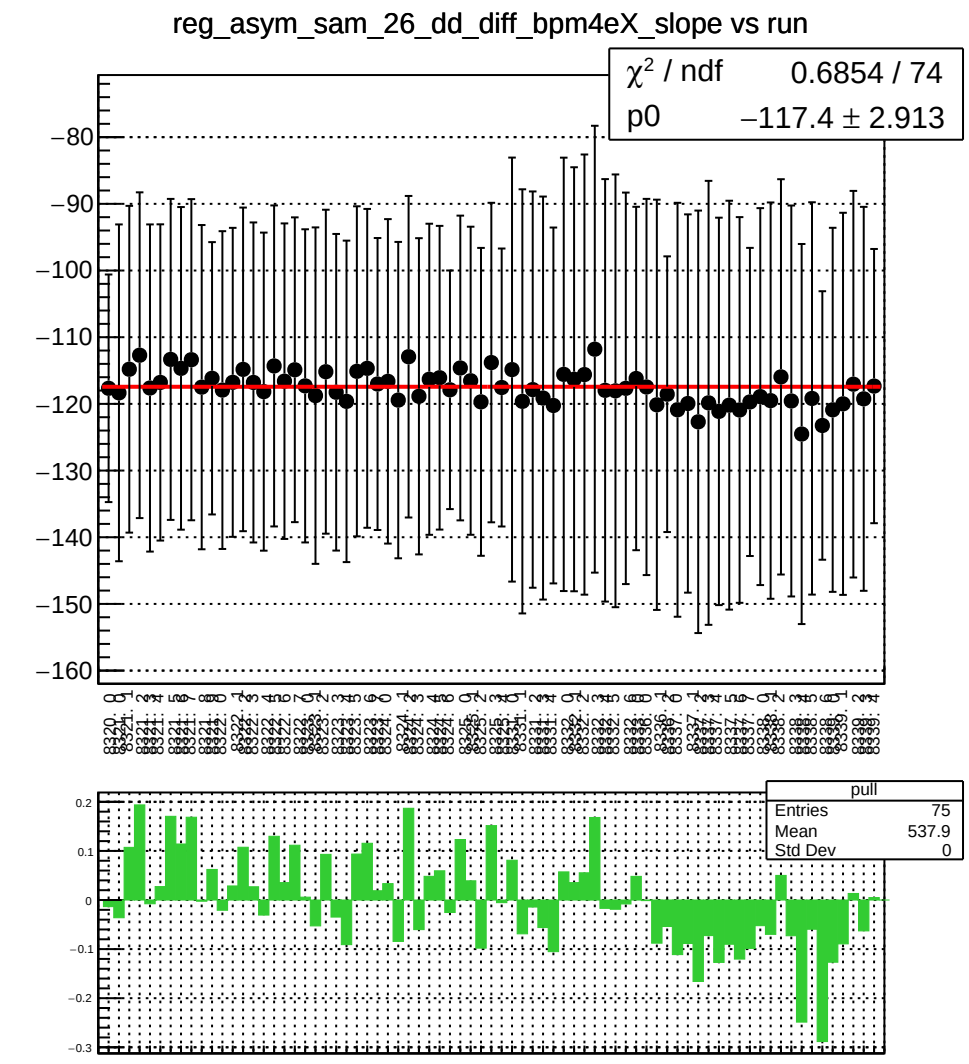

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.365 / 74
p0 −14.42 ± 2.672
pull
Entries 75
Mean −921.3
Std Dev 0

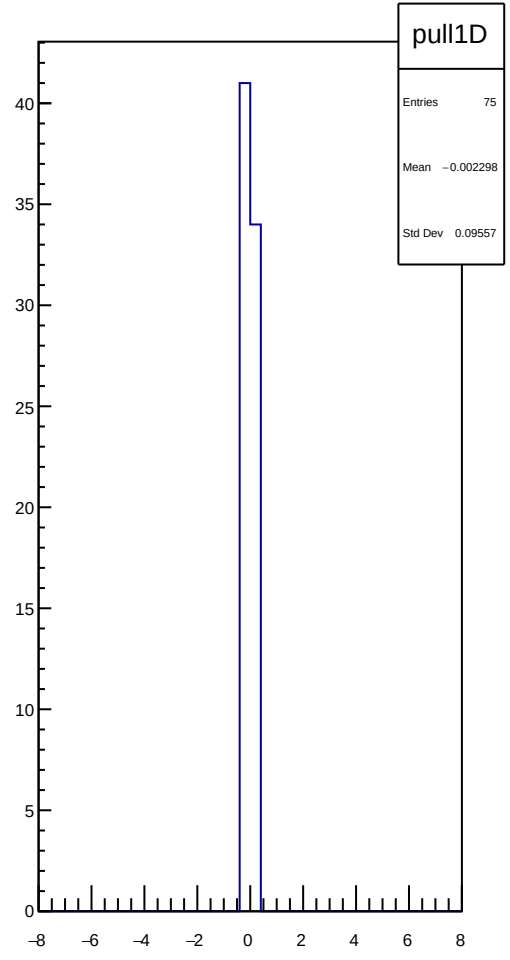

pull1D
Entries 75
Mean −0.0006499
Std Dev 0.1349

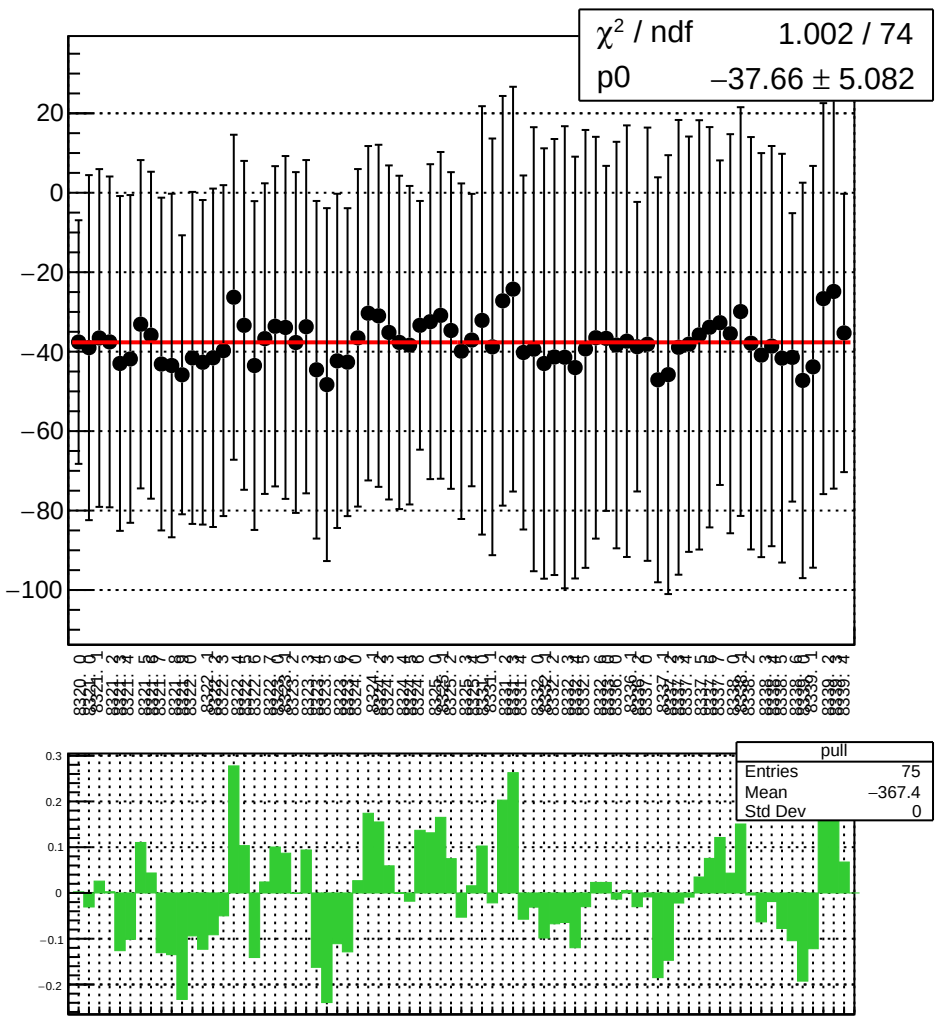

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.664 / 74
p0 2.36 ± 0.1489
pull
Entries 75
Mean 138.7
Std Dev 0
pull1D
Entries 75
Mean 0.005251
Std Dev 0.1489

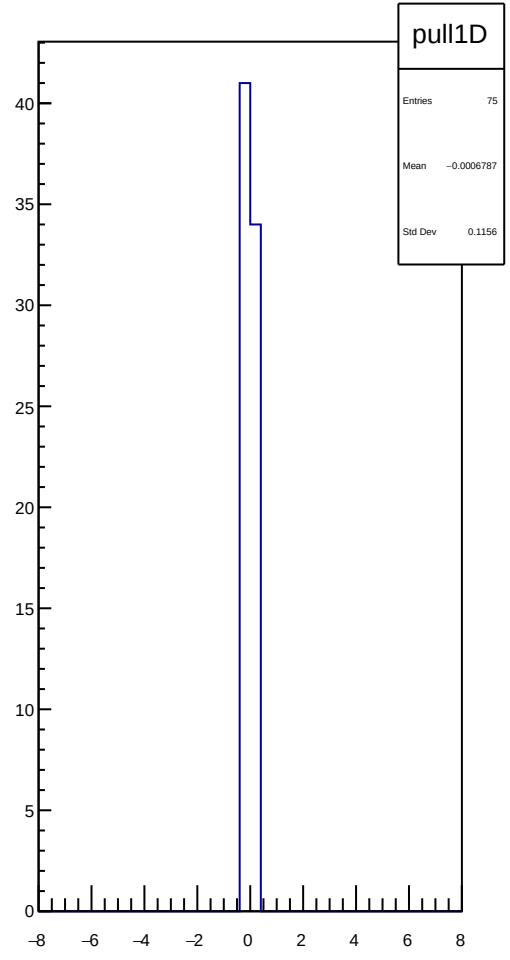

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.8159 / 74
p0 −16.86 ± 2.555
pull
Entries 75
Mean 413.4
Std Dev 0
pull1D
Entries 75
Mean 0.003769
Std Dev 0.1042

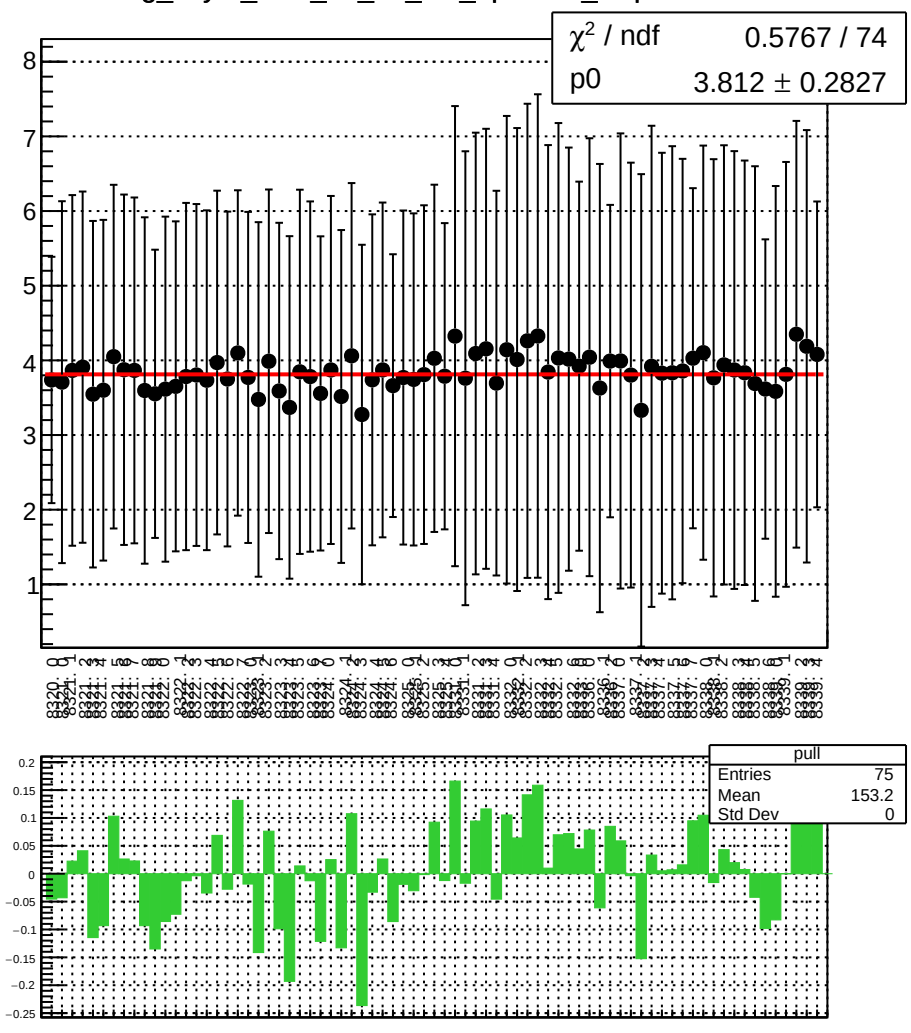

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.014 / 74
p0 −114.8 ± 4.884
pull
Entries 75
Mean 551.1
Std Dev 0
pull1D
Entries 75
Mean −0.00114
Std Dev 0.1163

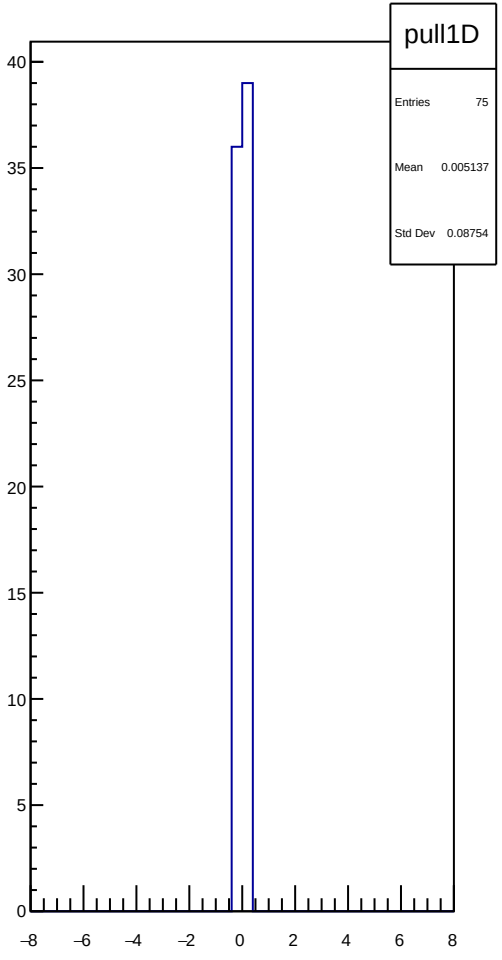

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6854 / 74
p0 −117.4 ± 2.913
pull
Entries 75
Mean 537.9
Std Dev 0

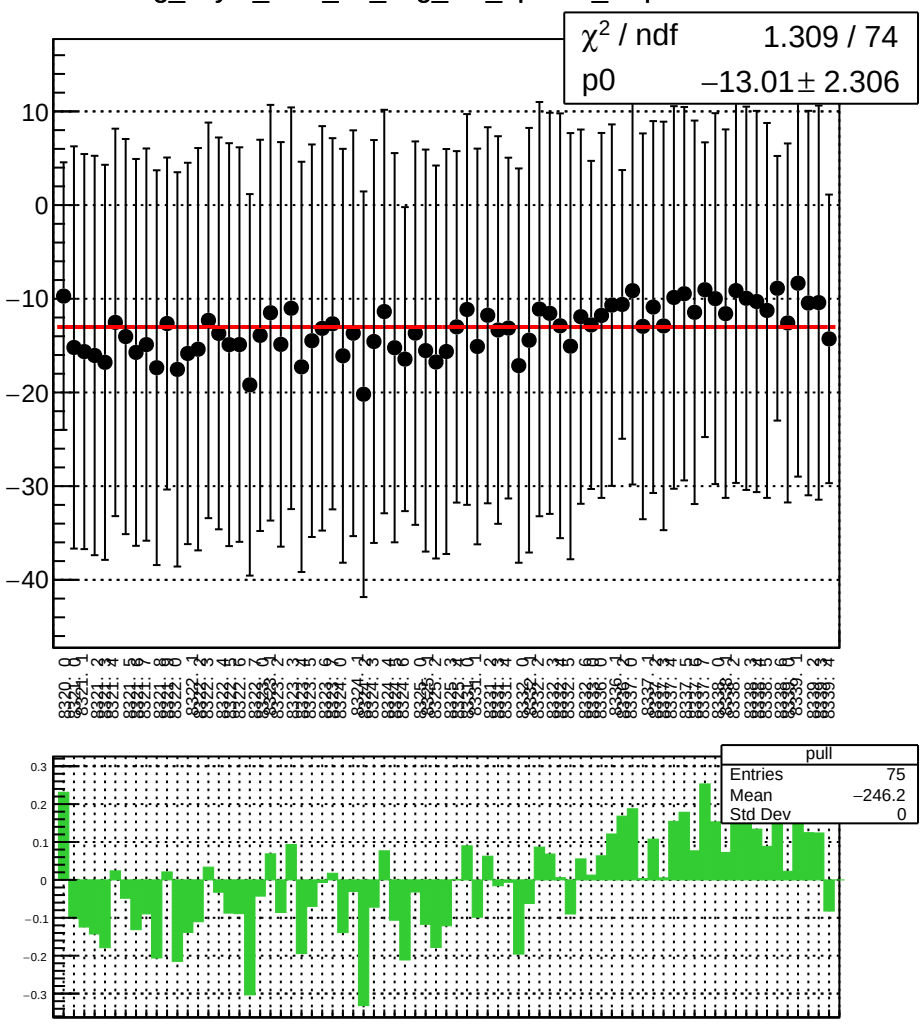

pull1D
Entries 75
Mean −0.002298
Std Dev 0.09557

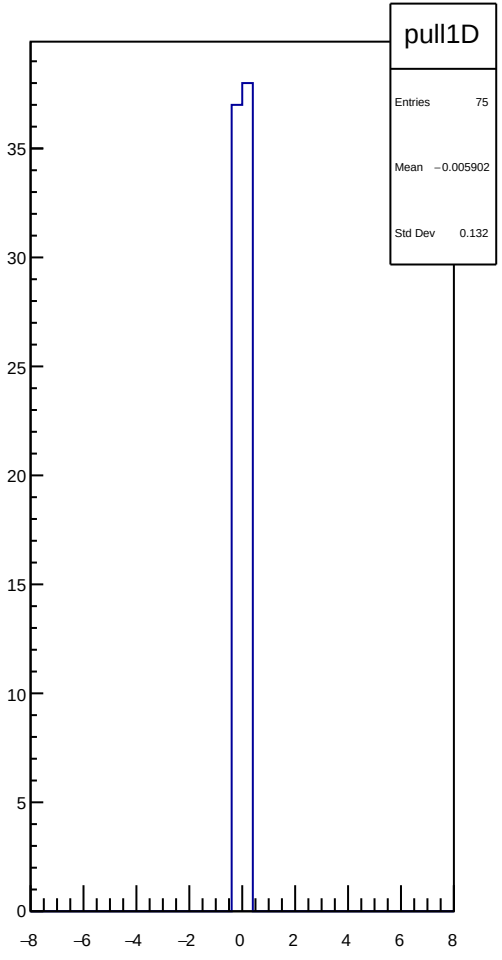

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.002 / 74
p0 −37.66 ± 5.082
pull
Entries 75
Mean −367.4
Std Dev 0

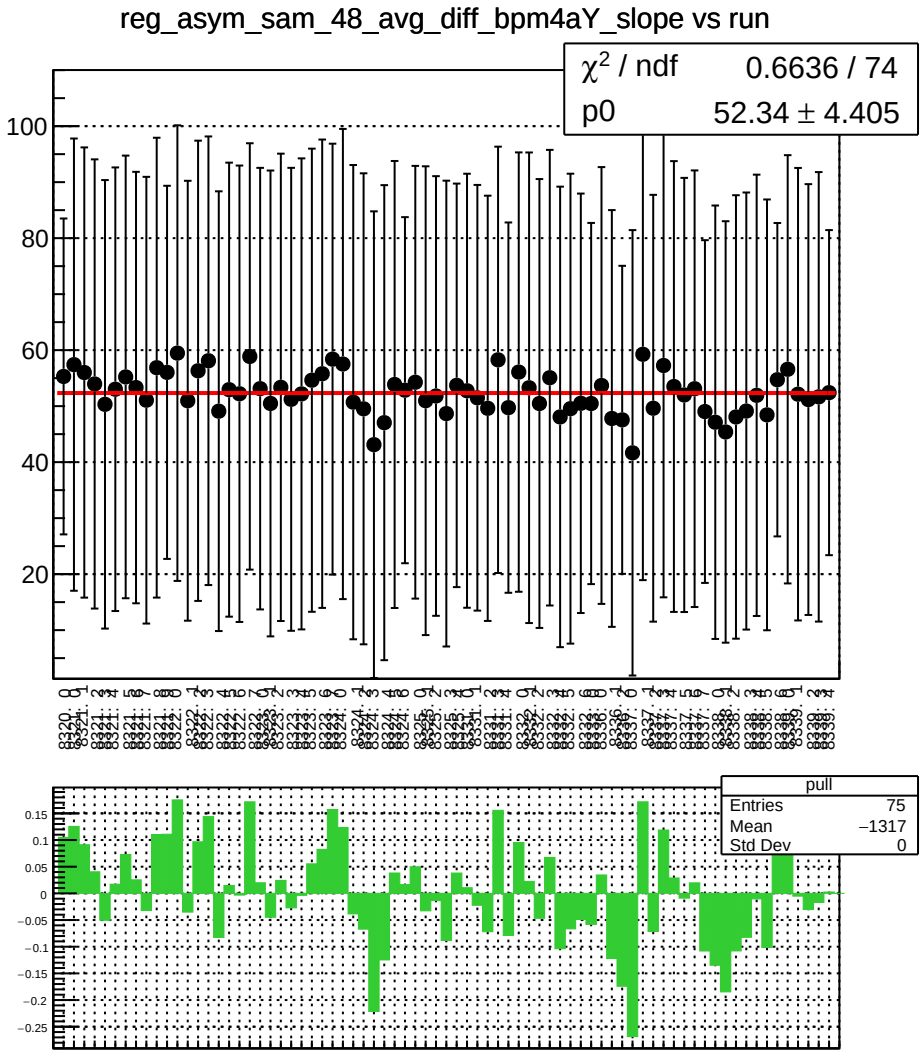

pull1D
Entries 75
Mean −0.0006787
Std Dev 0.1156

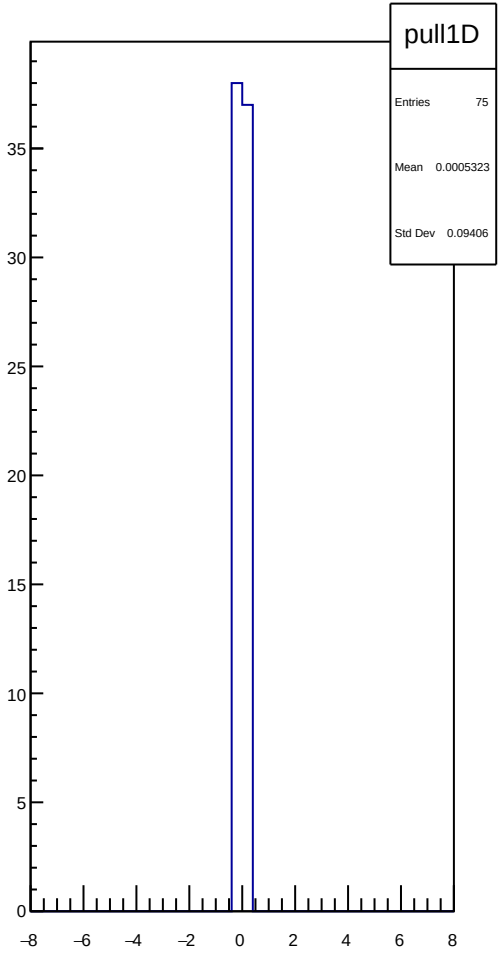

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5767 / 74
p0 3.812 ± 0.2827
pull
Entries 75
Mean 153.2
Std Dev 0

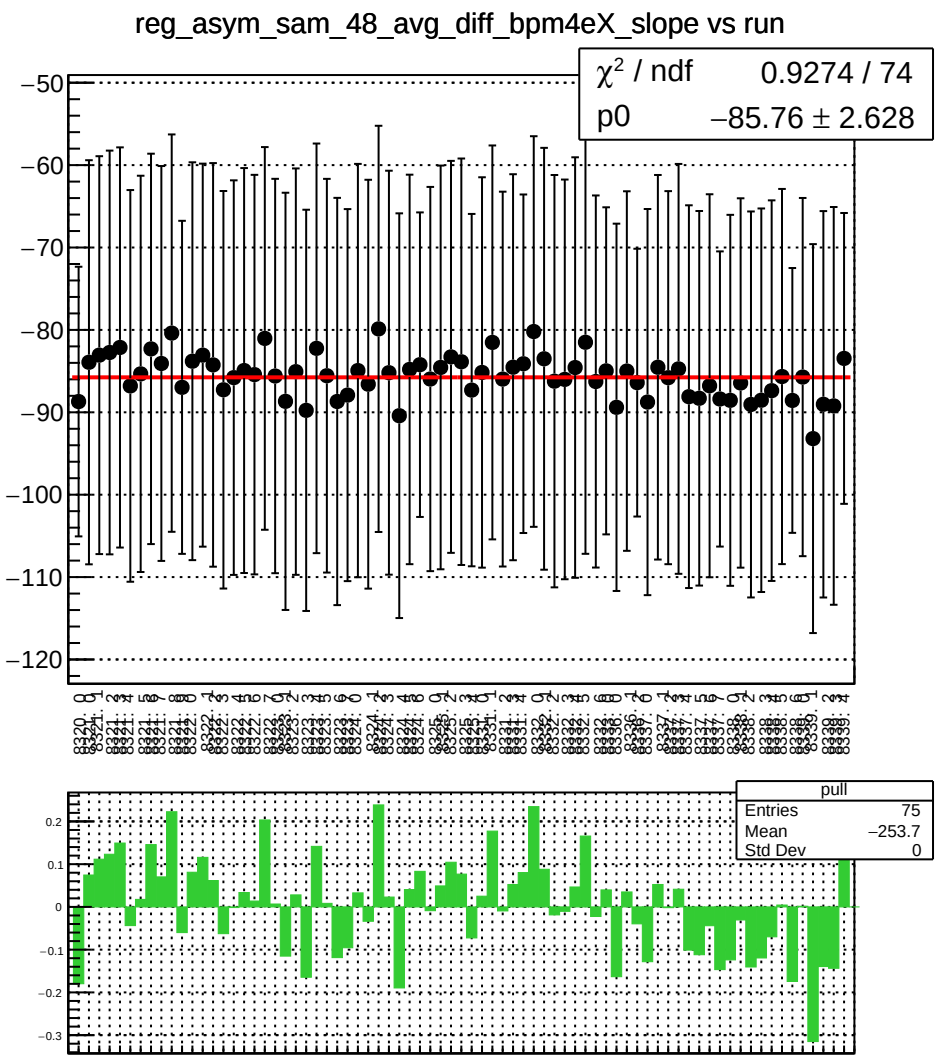

pull1D
Entries 75
Mean 0.005137
Std Dev 0.08754

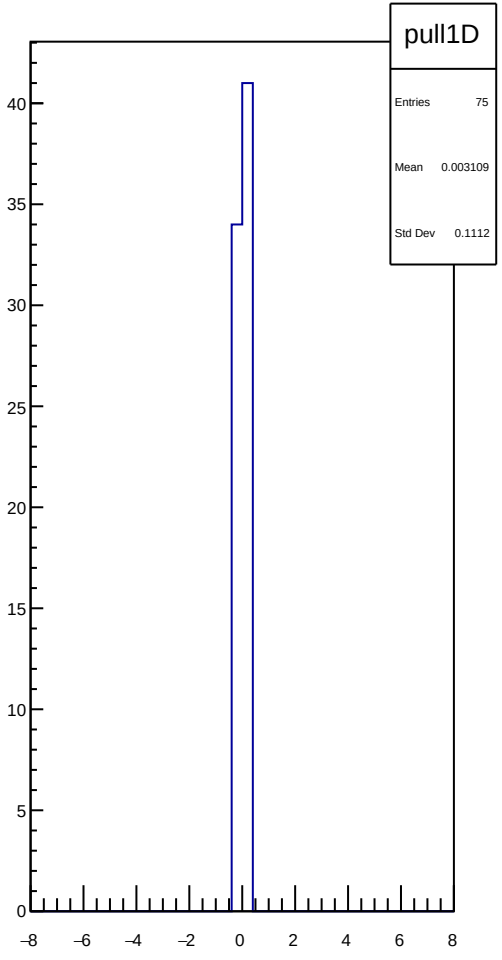

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1.309 / 74
p0 −13.01 ± 2.306
pull
Entries 75
Mean −246.2
Std Dev 0

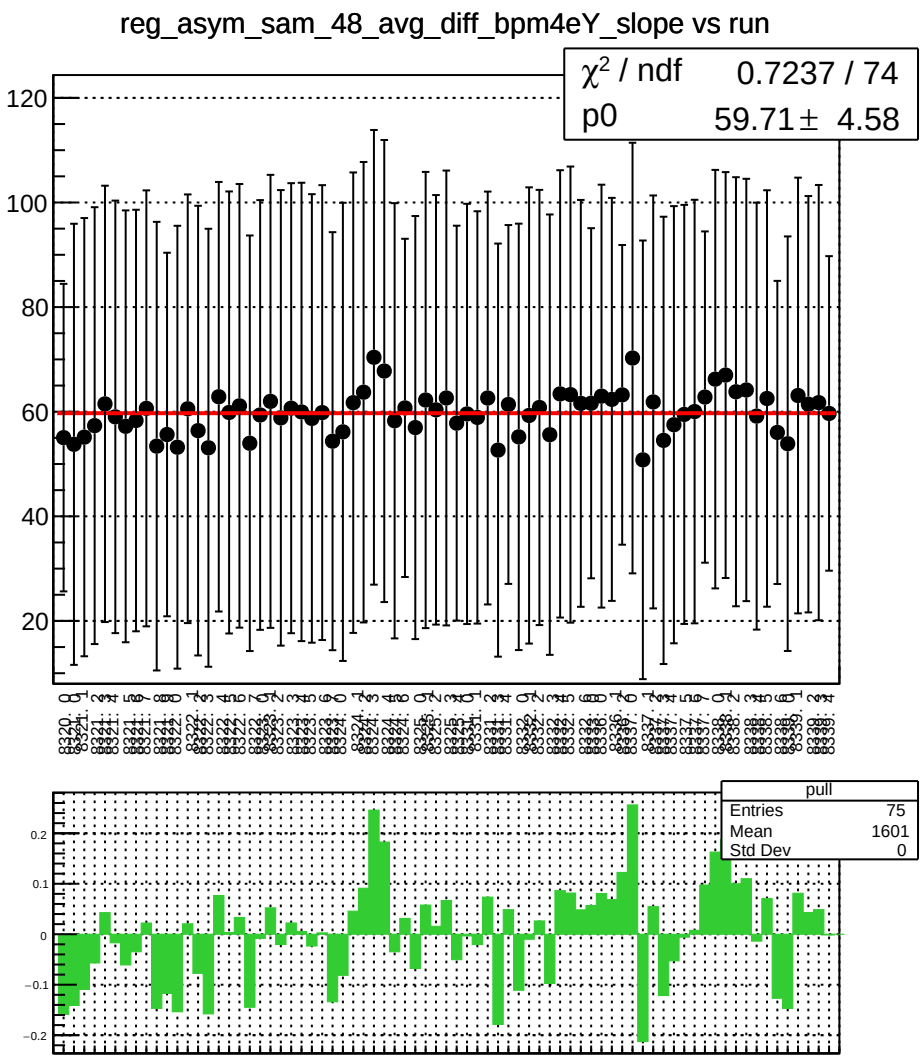

pull1D
Entries 75
Mean −0.005902
Std Dev 0.132

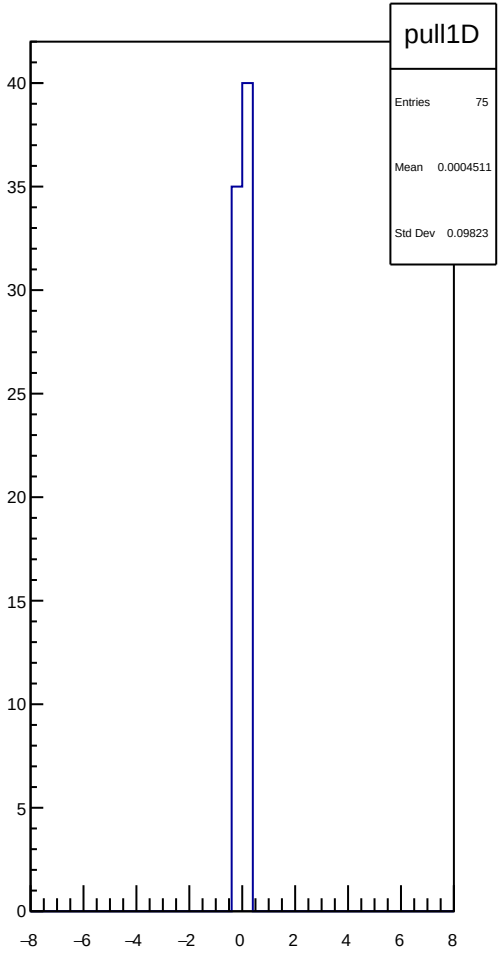

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.6636 / 74
p0 52.34 ± 4.405
pull
Entries 75
Mean −1317
Std Dev 0

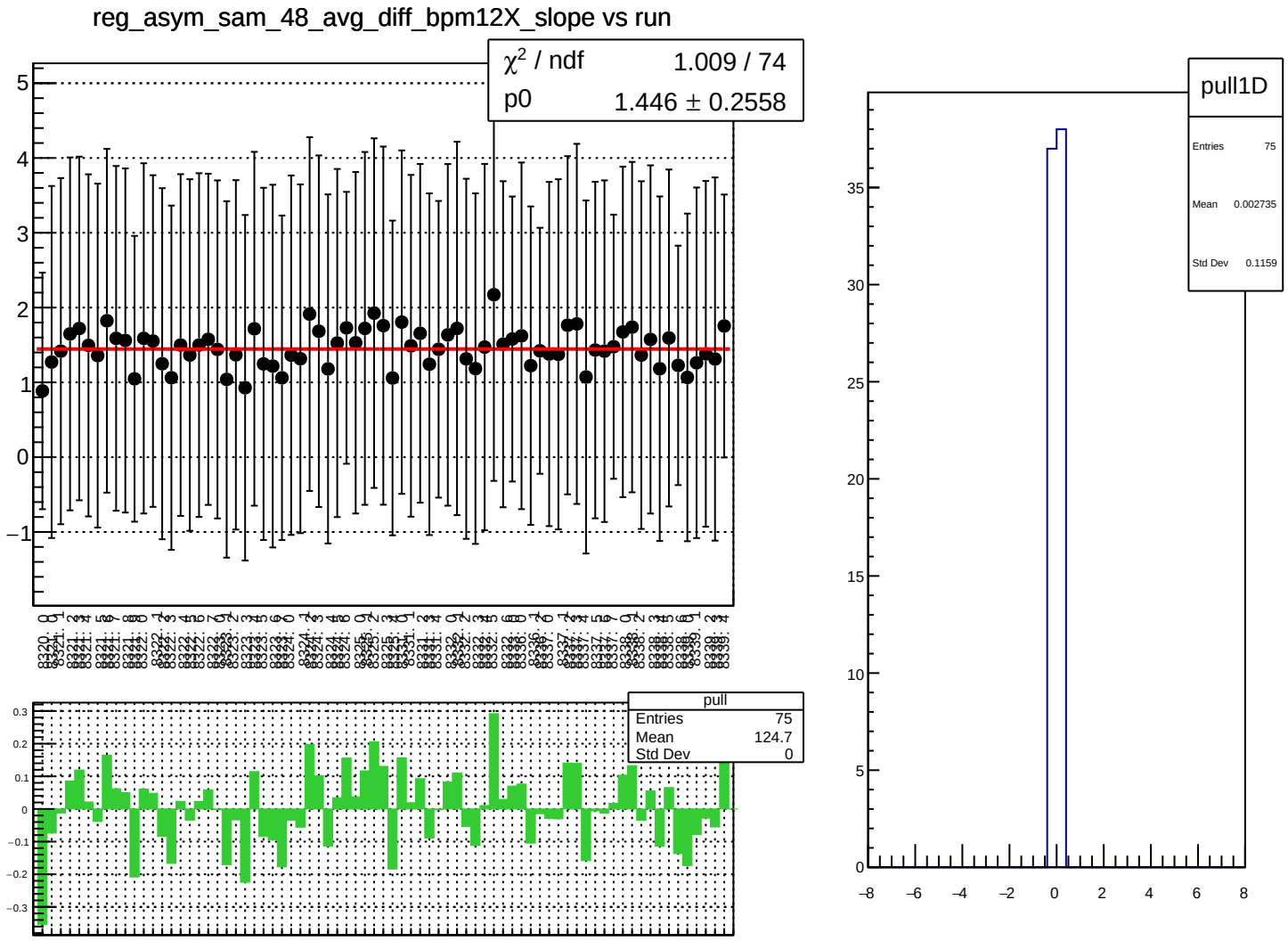

pull1D
Entries 75
Mean 0.0005323
Std Dev 0.09406

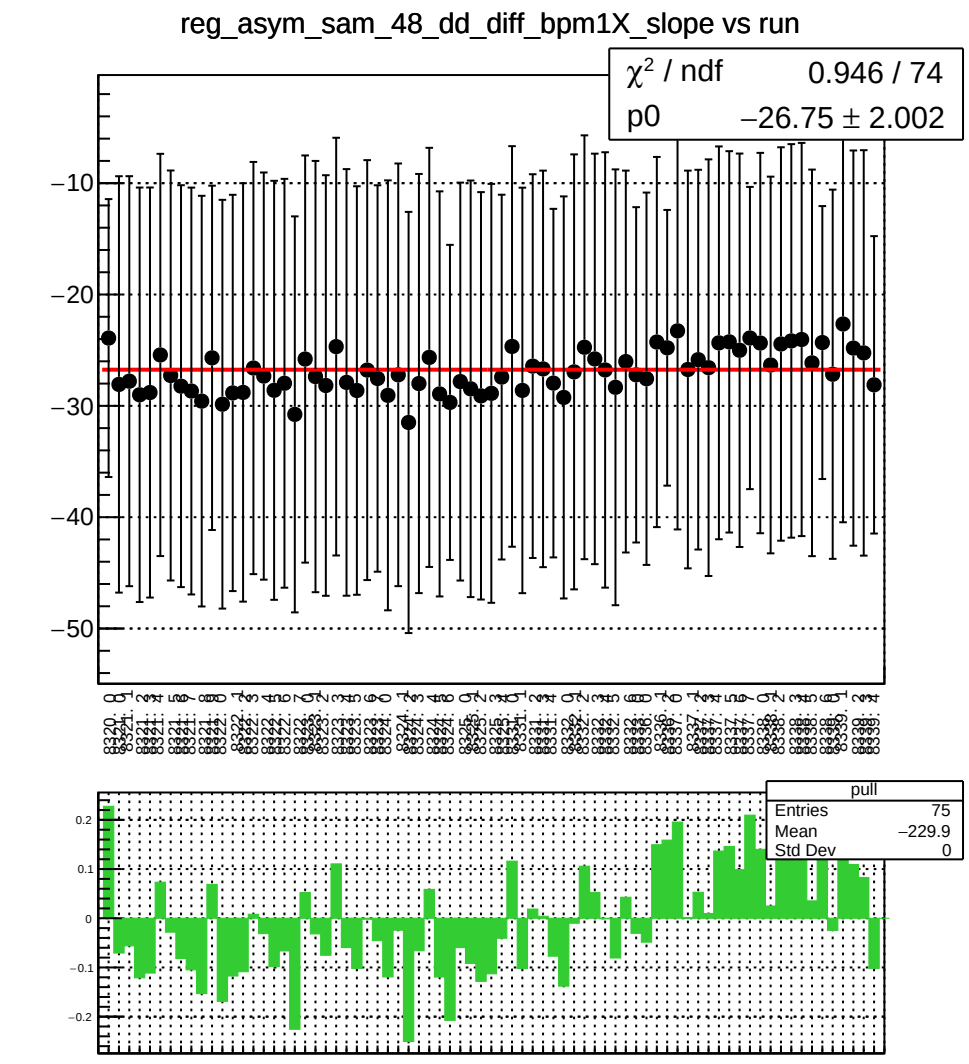

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 0.9274 / 74
p0 −85.76 ± 2.628
pull
Entries 75
Mean −253.7
Std Dev 0

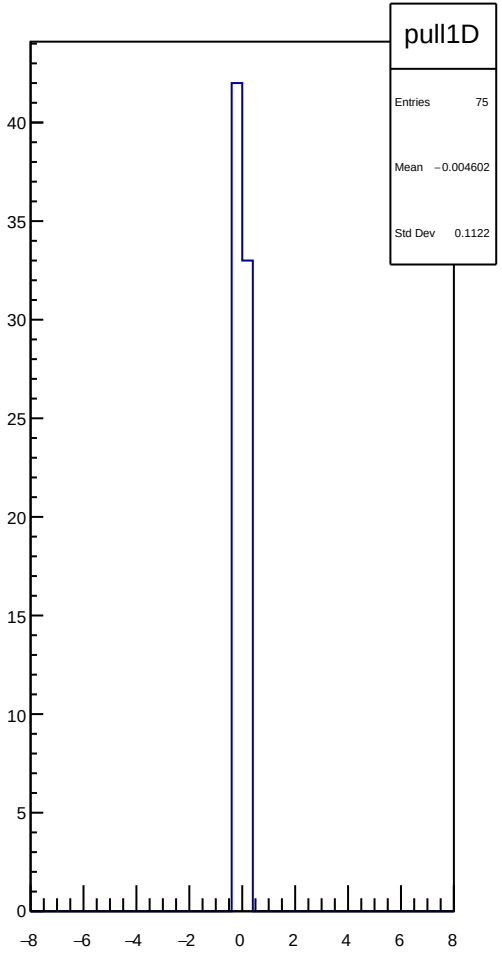

pull1D
Entries 75
Mean 0.003109
Std Dev 0.1112

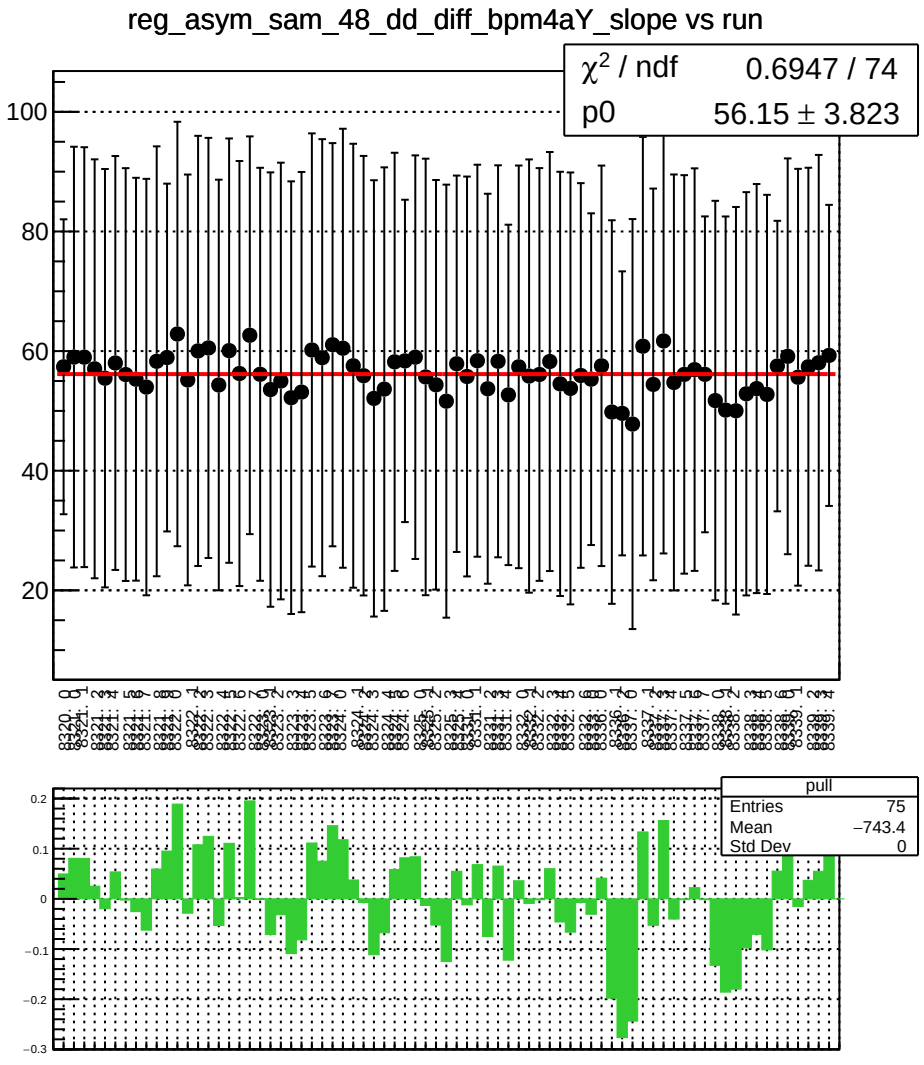

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.7237 / 74
p0 59.71 ± 4.58
pull
Entries 75
Mean 1601
Std Dev 0

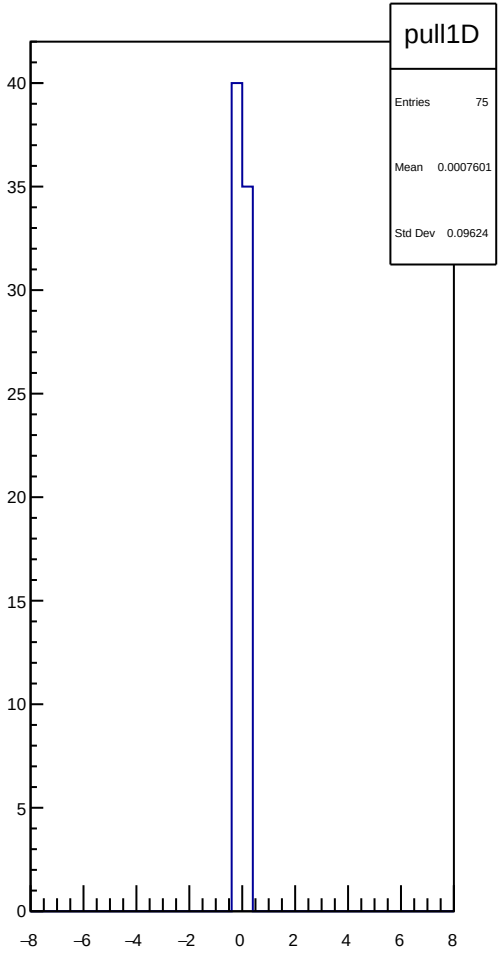

pull1D
Entries 75
Mean 0.0004511
Std Dev 0.09823

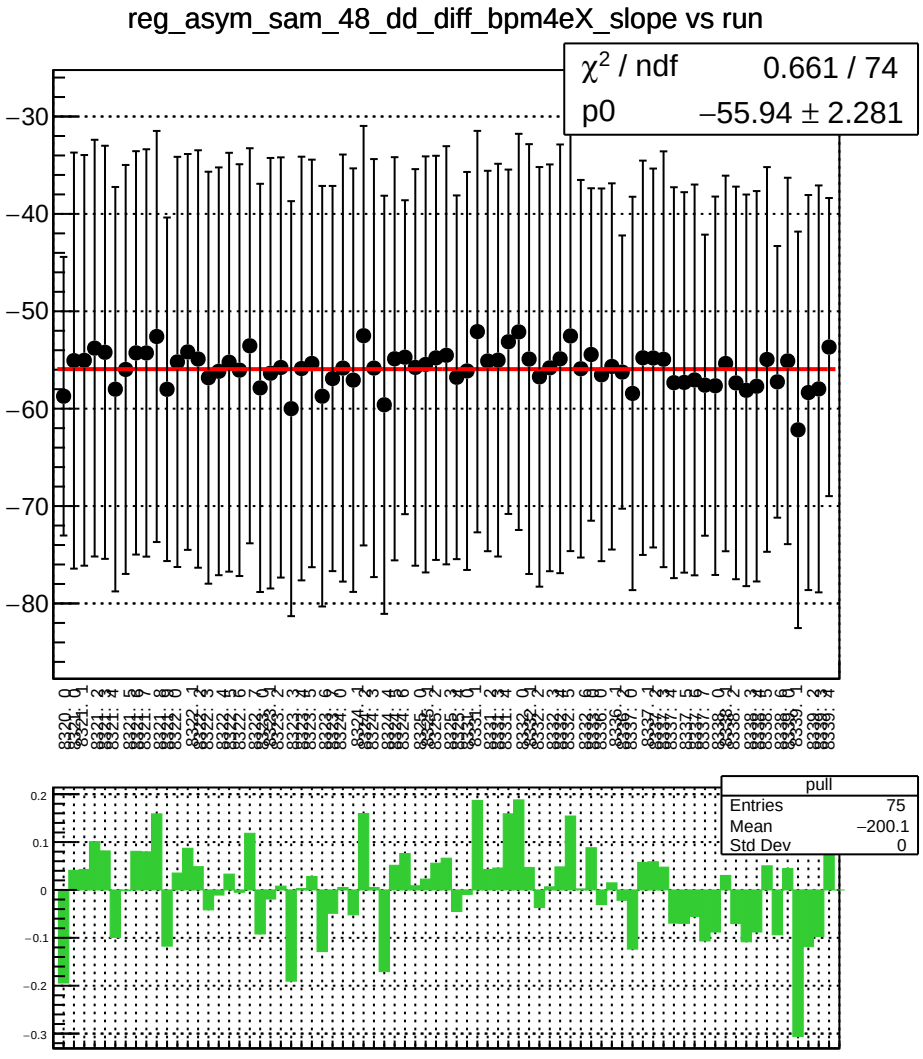

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.009 / 74
p0 1.446 ± 0.2558
pull
Entries 75
Mean 124.7
Std Dev 0
pull1D
Entries 75
Mean 0.002735
Std Dev 0.1159

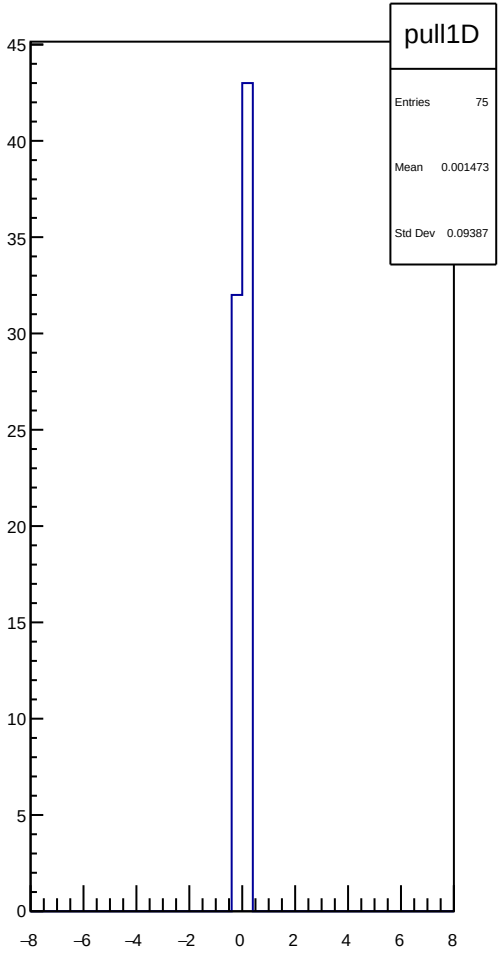

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.946 / 74
p0 −26.75 ± 2.002
pull
Entries 75
Mean −229.9
Std Dev 0

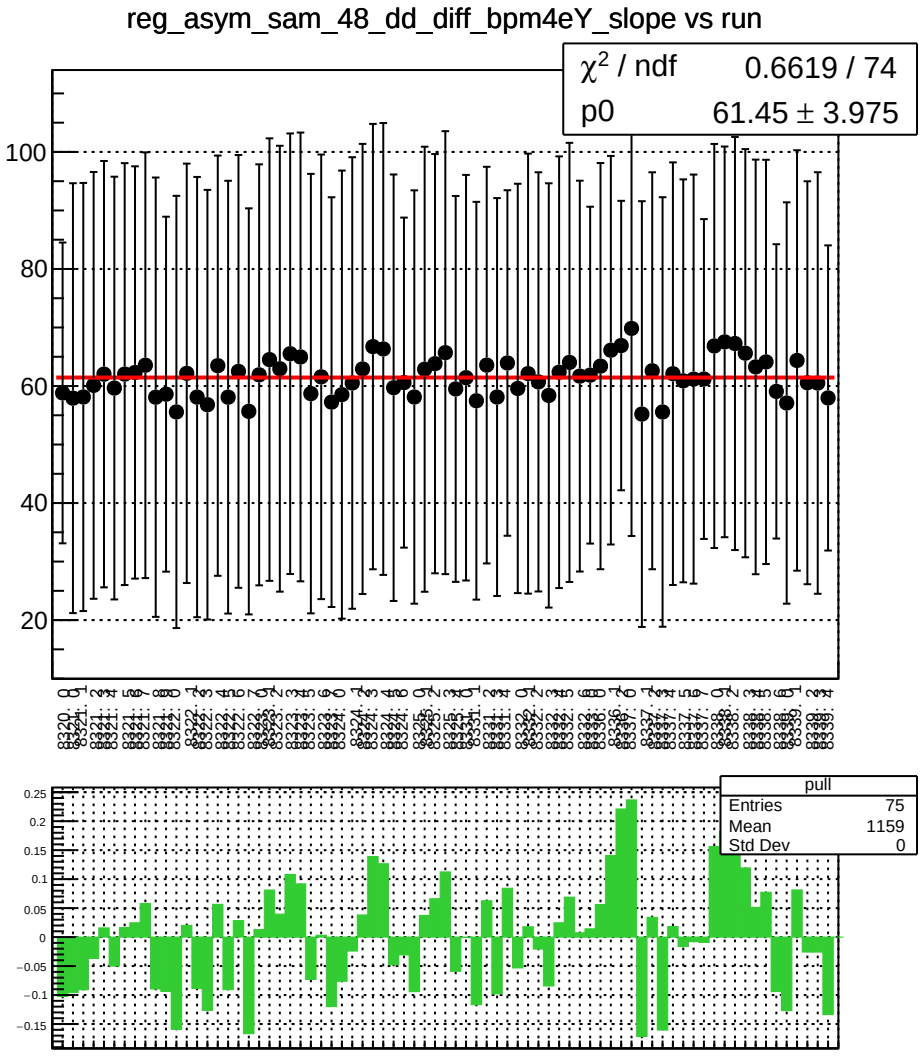

pull1D
Entries 75
Mean −0.004602
Std Dev 0.1122

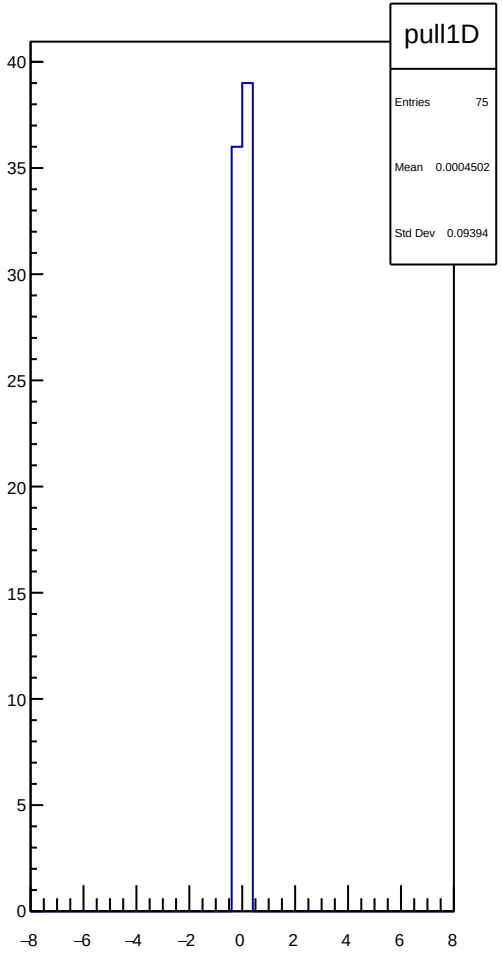

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6947 / 74
p0 56.15 ± 3.823
pull
Entries 75
Mean −743.4
Std Dev 0

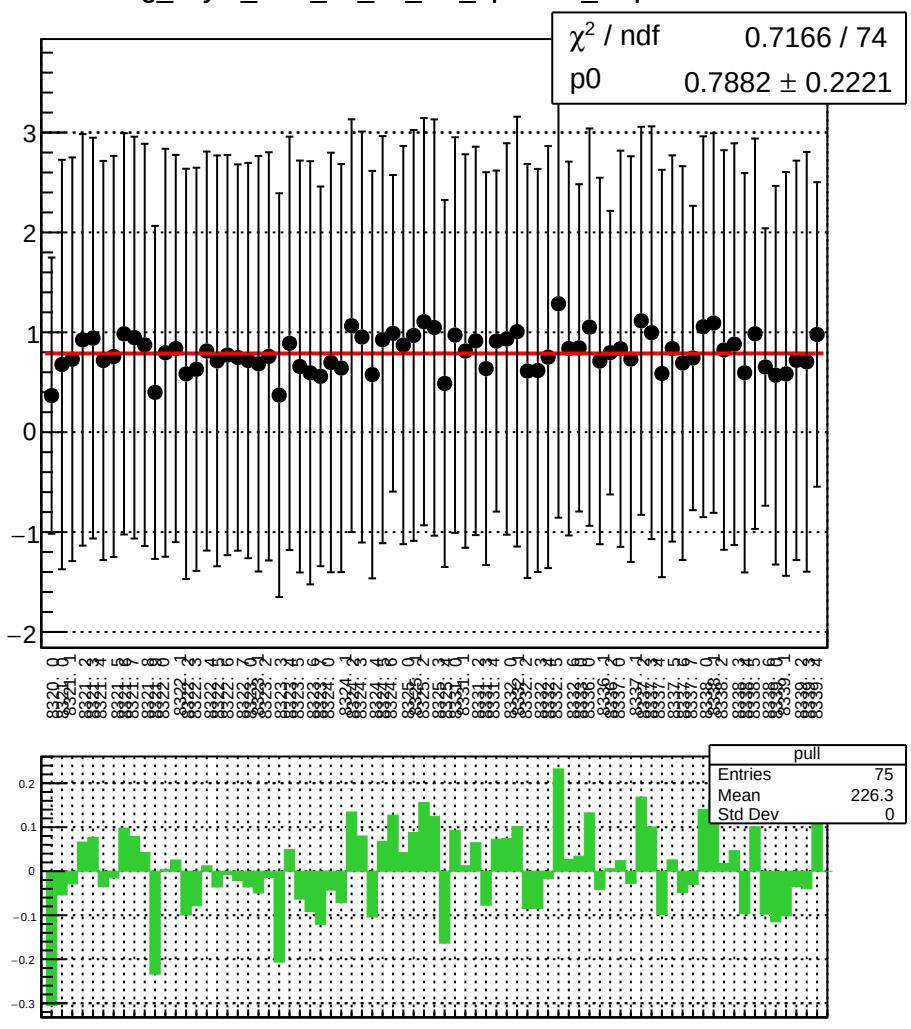

pull1D
Entries 75
Mean 0.0007601
Std Dev 0.09624

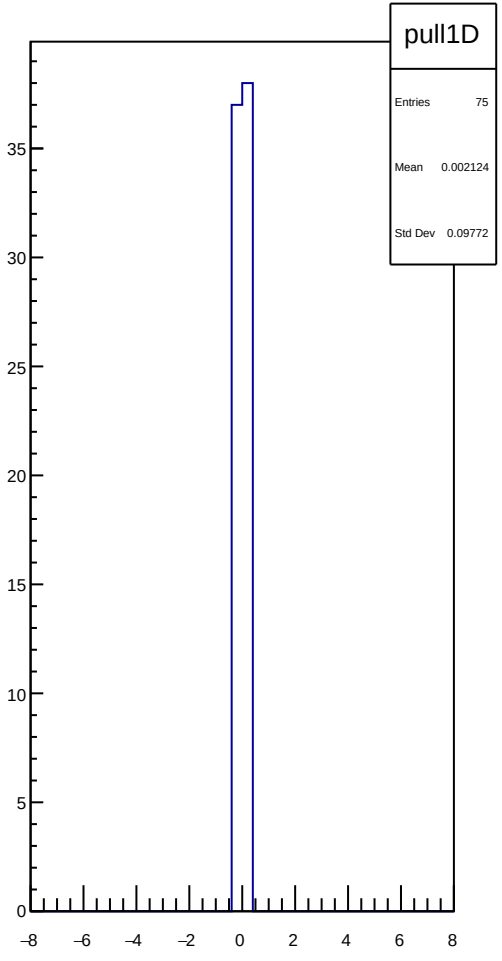

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.661 / 74
p0 −55.94 ± 2.281
pull
Entries 75
Mean −200.1
Std Dev 0

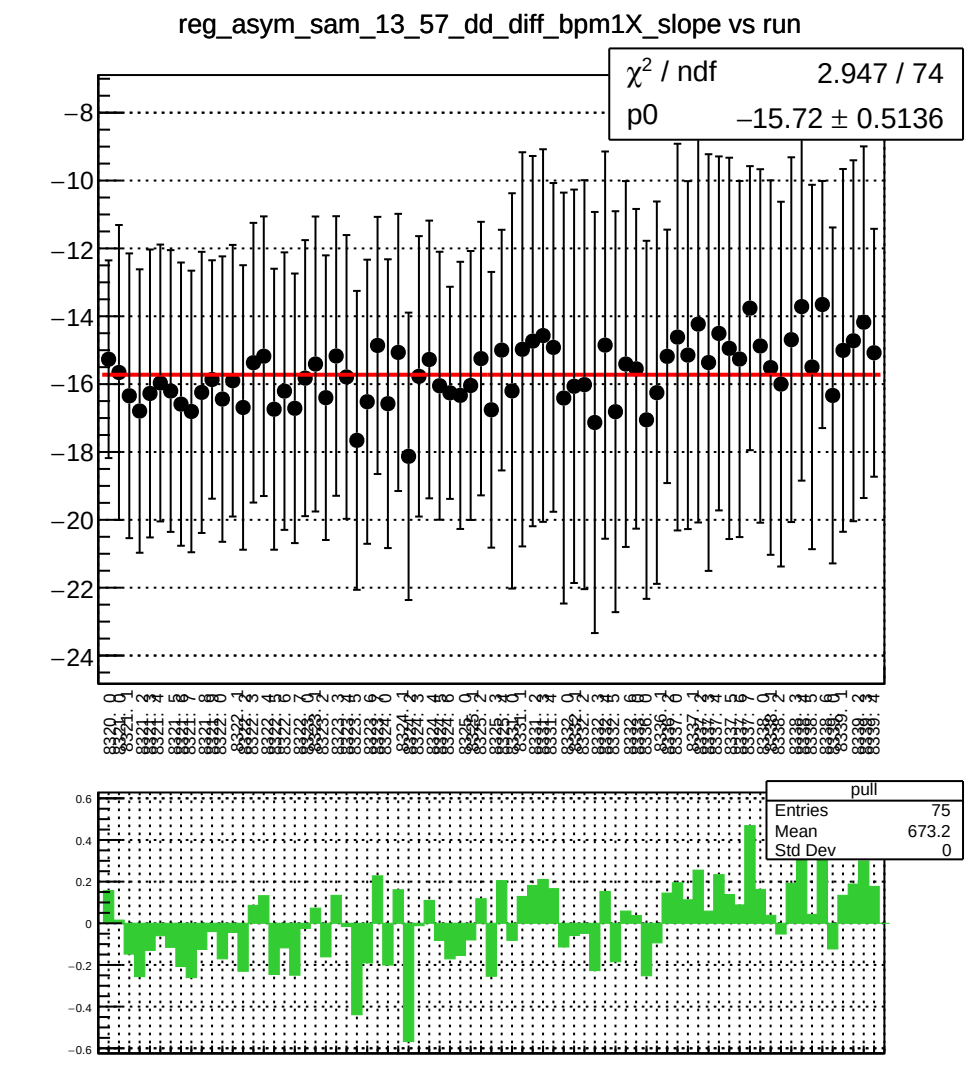

pull1D
Entries 75
Mean 0.001473
Std Dev 0.09387

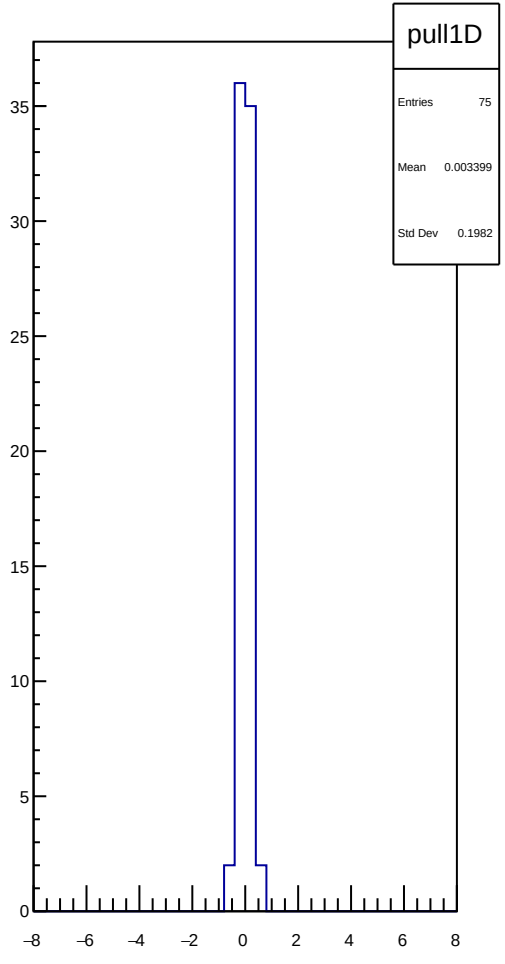

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6619 / 74
p0 61.45 ± 3.975
pull
Entries 75
Mean 1159
Std Dev 0

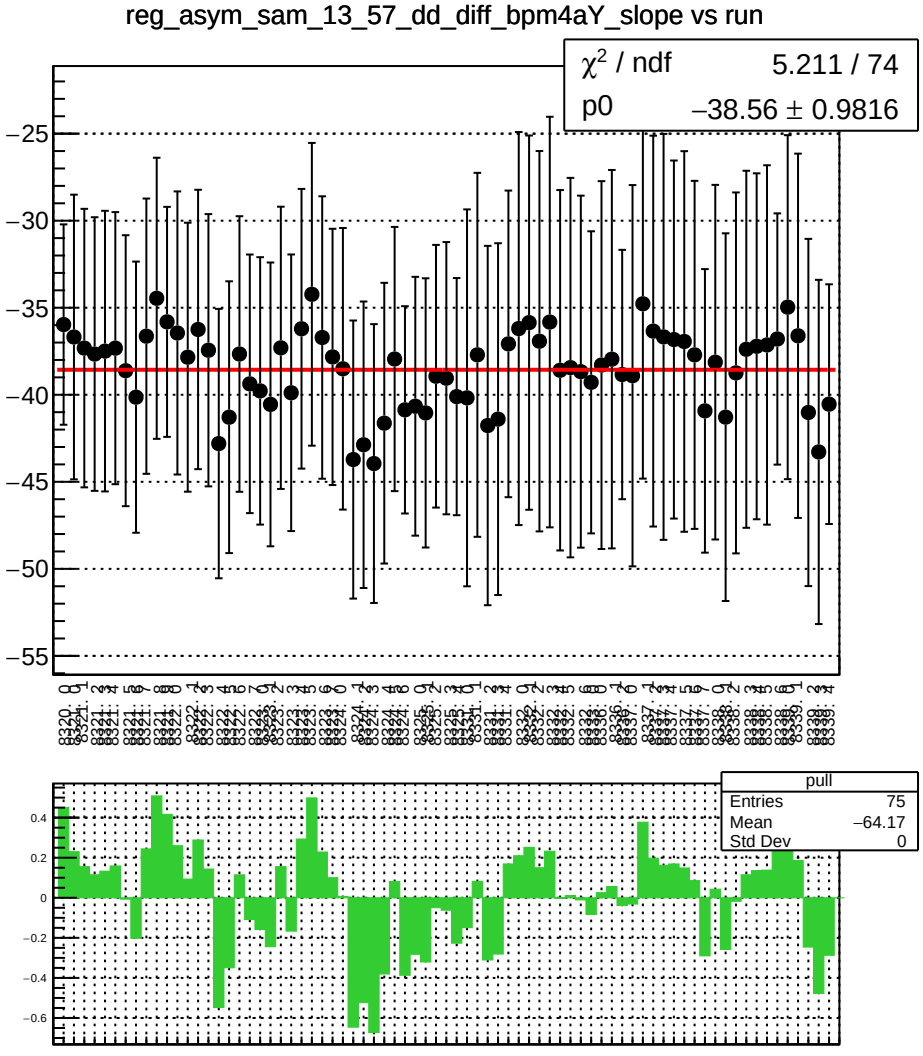

pull1D
Entries 75
Mean 0.0004502
Std Dev 0.09394

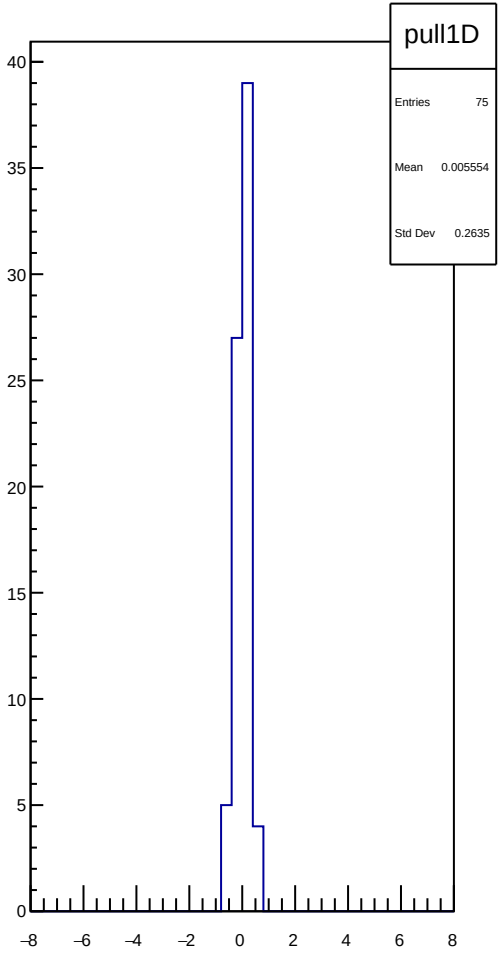

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7166 / 74
p0 0.7882 ± 0.2221
pull
Entries 75
Mean 226.3
Std Dev 0

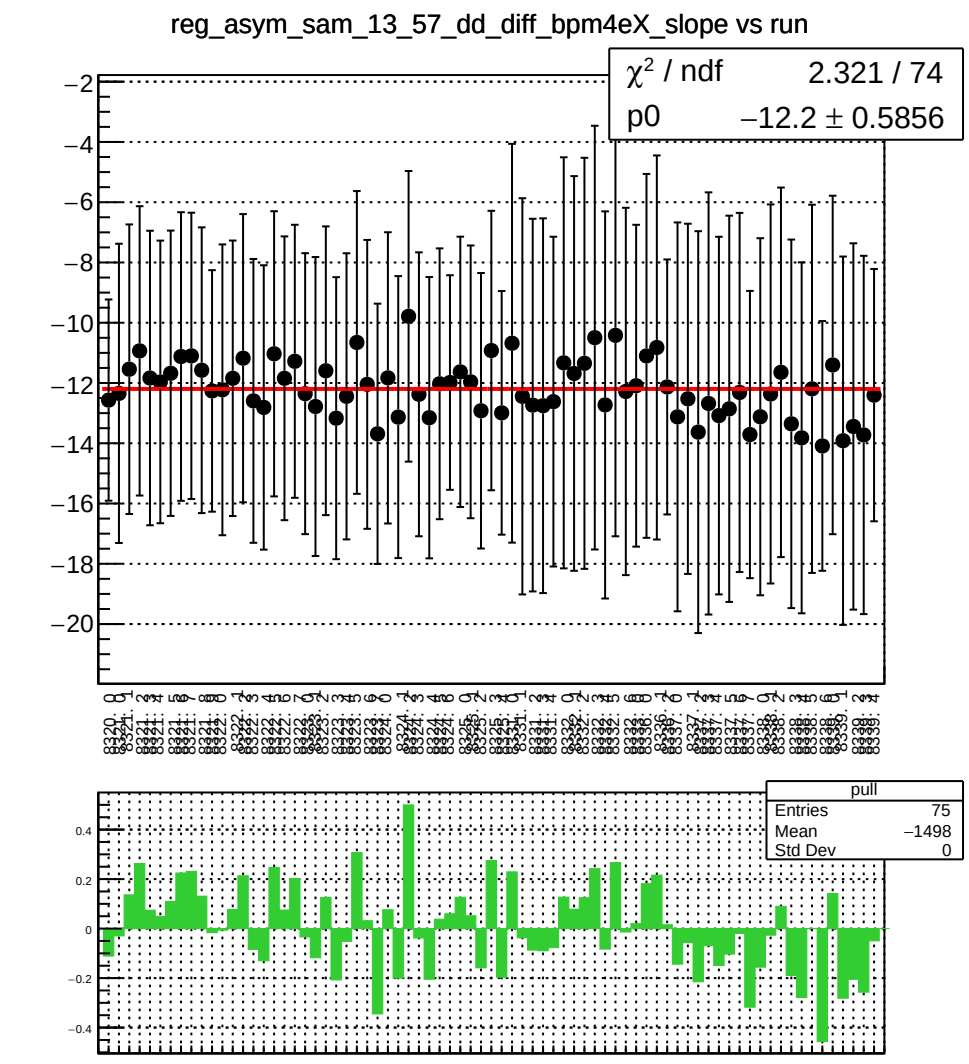

pull1D
Entries 75
Mean 0.002124
Std Dev 0.09772

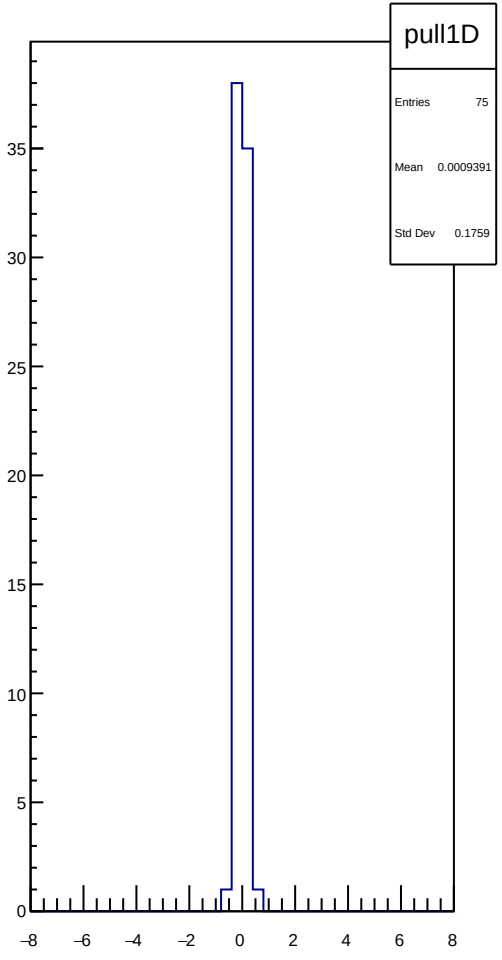

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 2.947 / 74
p0 −15.72 ± 0.5136
pull
Entries 75
Mean 673.2
Std Dev 0

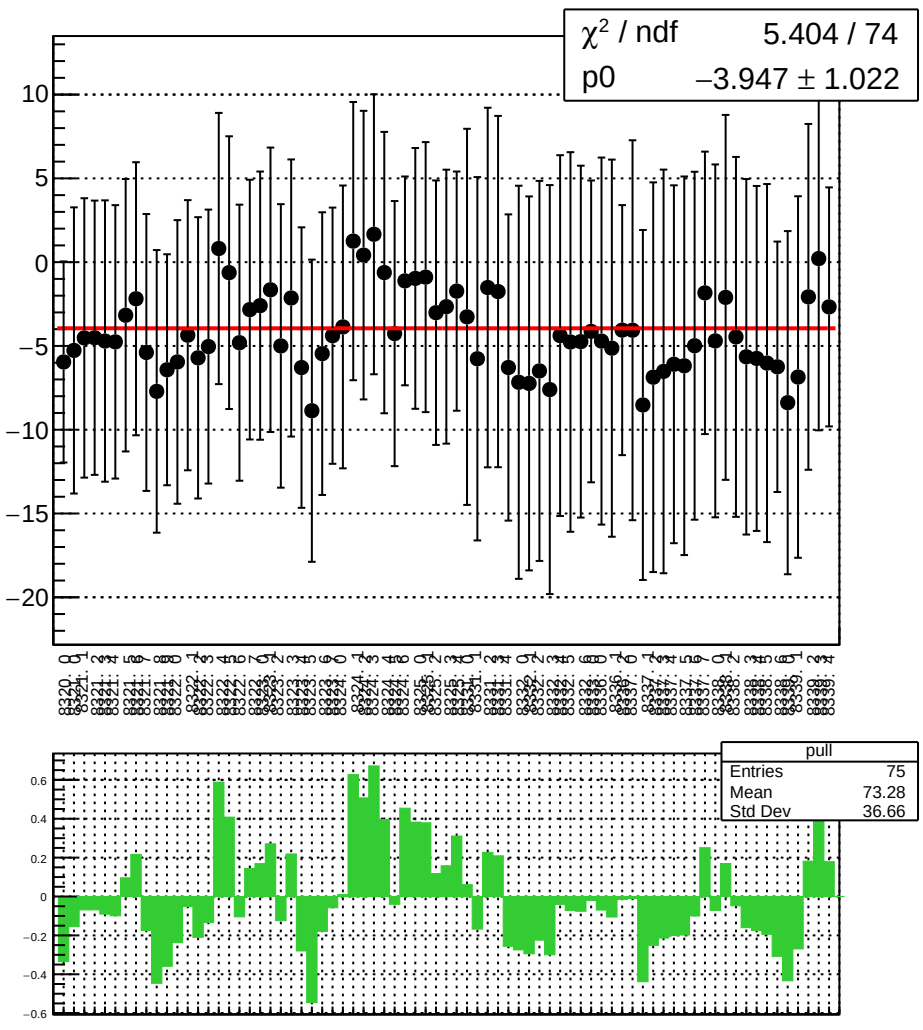

pull1D
Entries 75
Mean 0.003399
Std Dev 0.1982

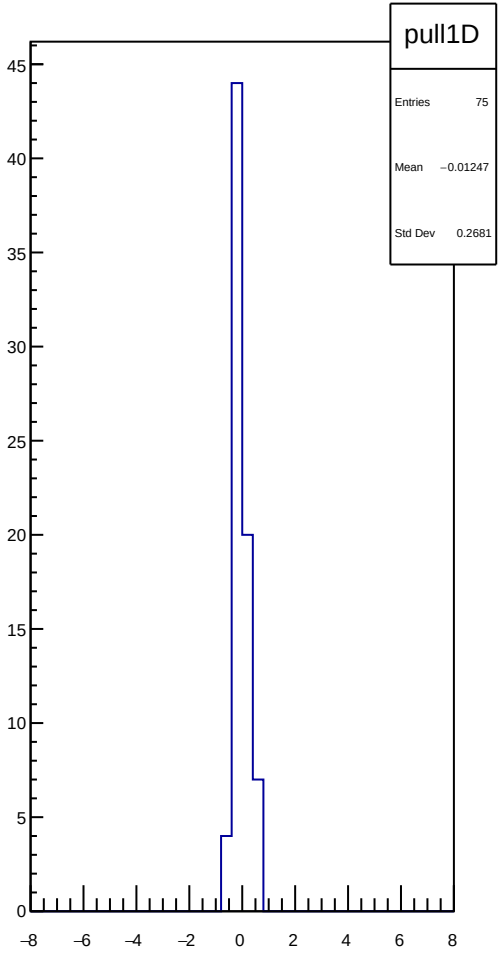

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.211 / 74
p0 −38.56 ± 0.9816
pull
Entries 75
Mean −64.17
Std Dev 0

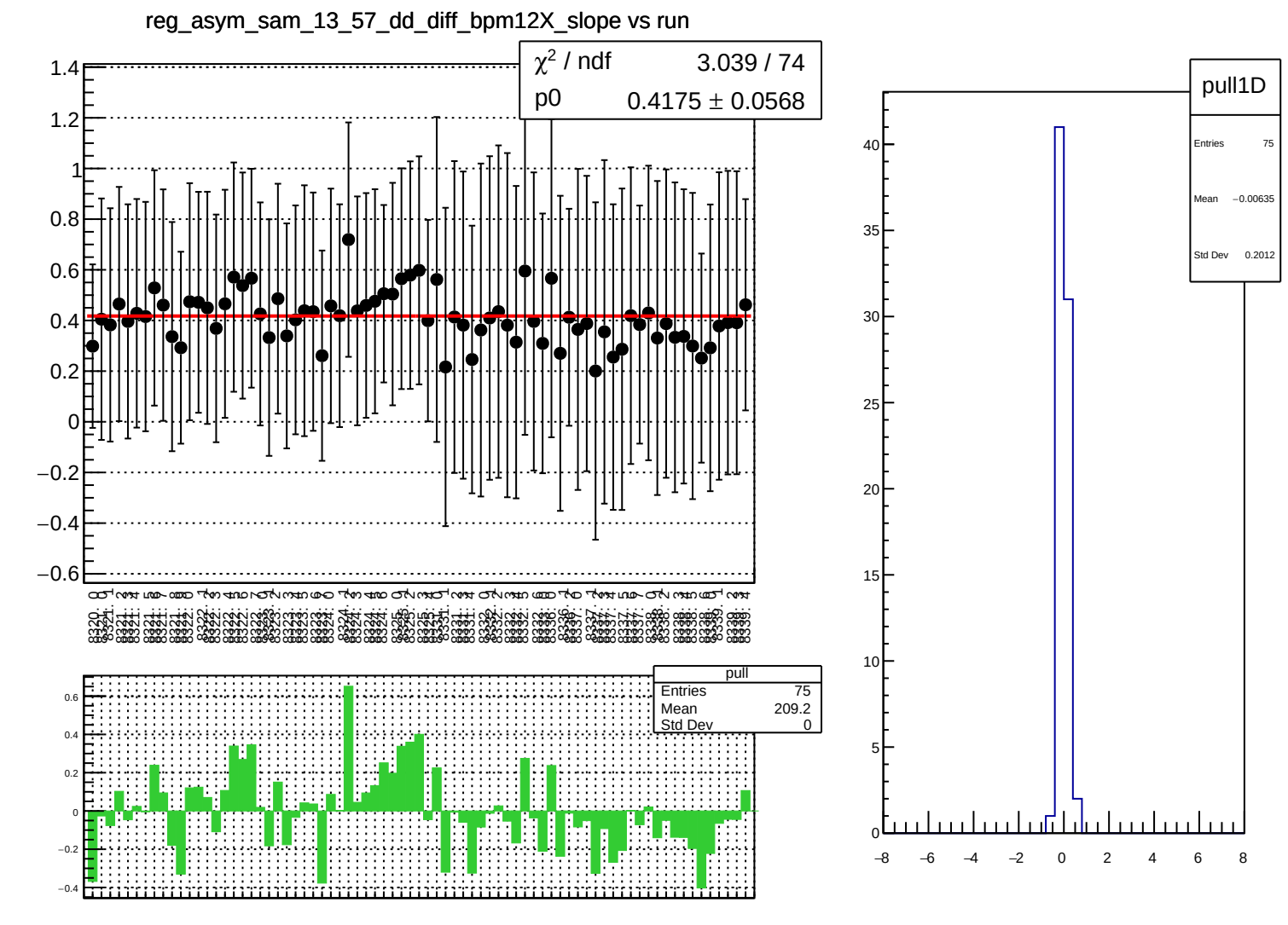

pull1D
Entries 75
Mean 0.005554
Std Dev 0.2635

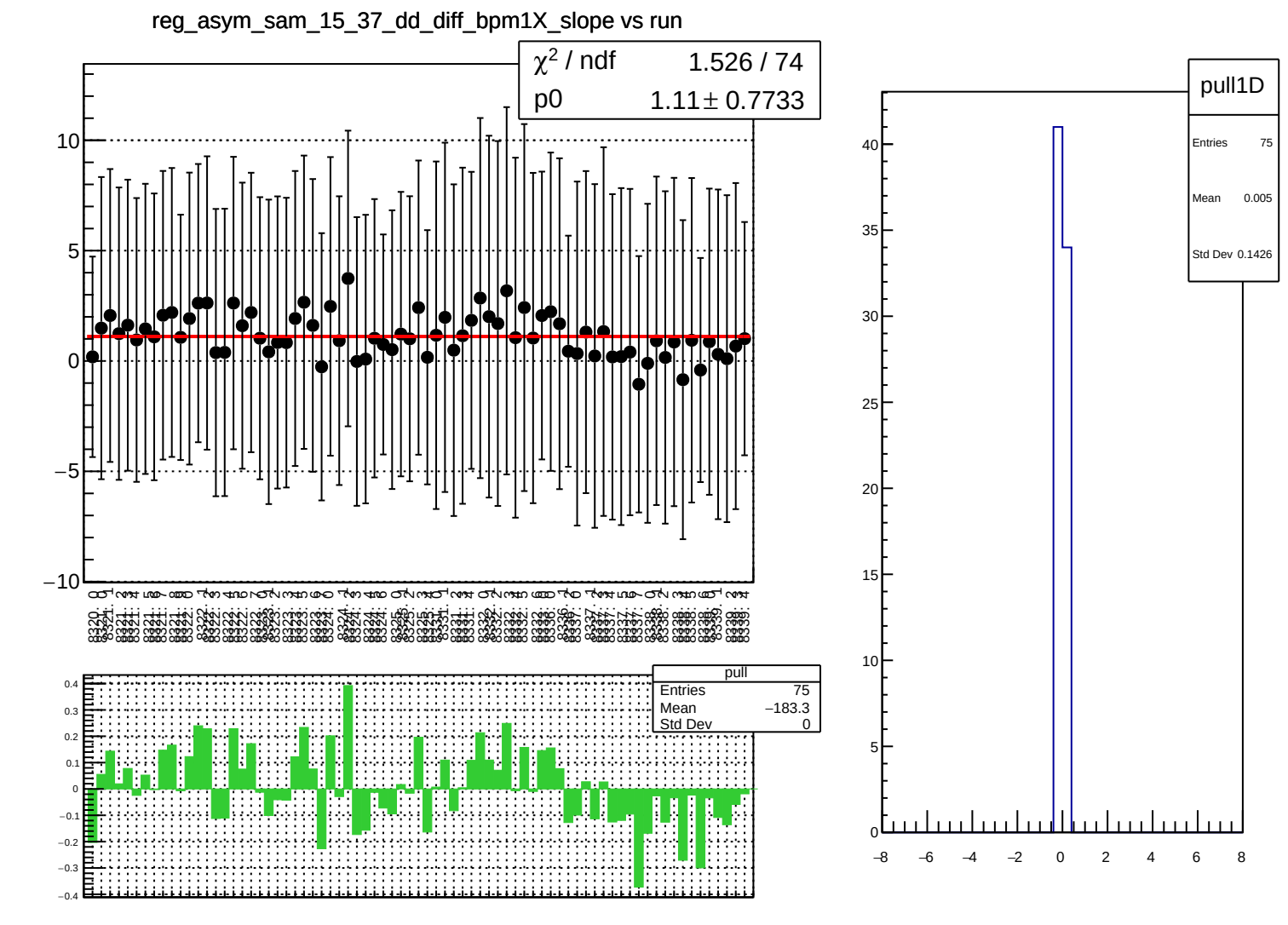

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.321 / 74
p0 −12.2 ± 0.5856
pull
Entries 75
Mean −1498
Std Dev 0

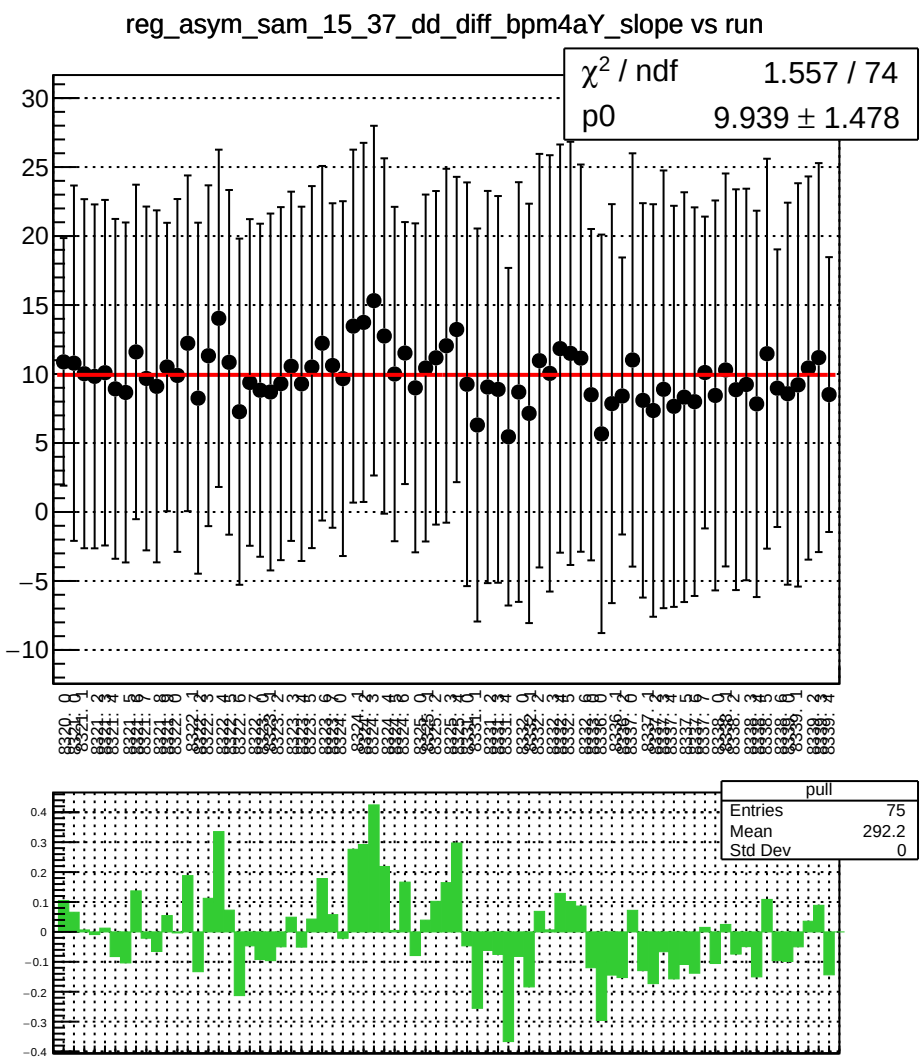

pull1D
Entries 75
Mean 0.0009391
Std Dev 0.1759

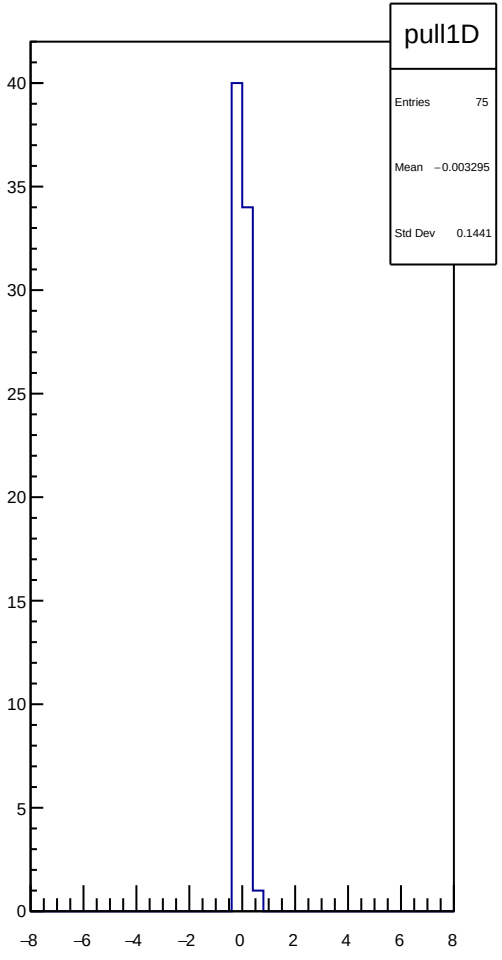

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.404 / 74
p0 −3.947 ± 1.022
pull
Entries 75
Mean 73.28
Std Dev 36.66

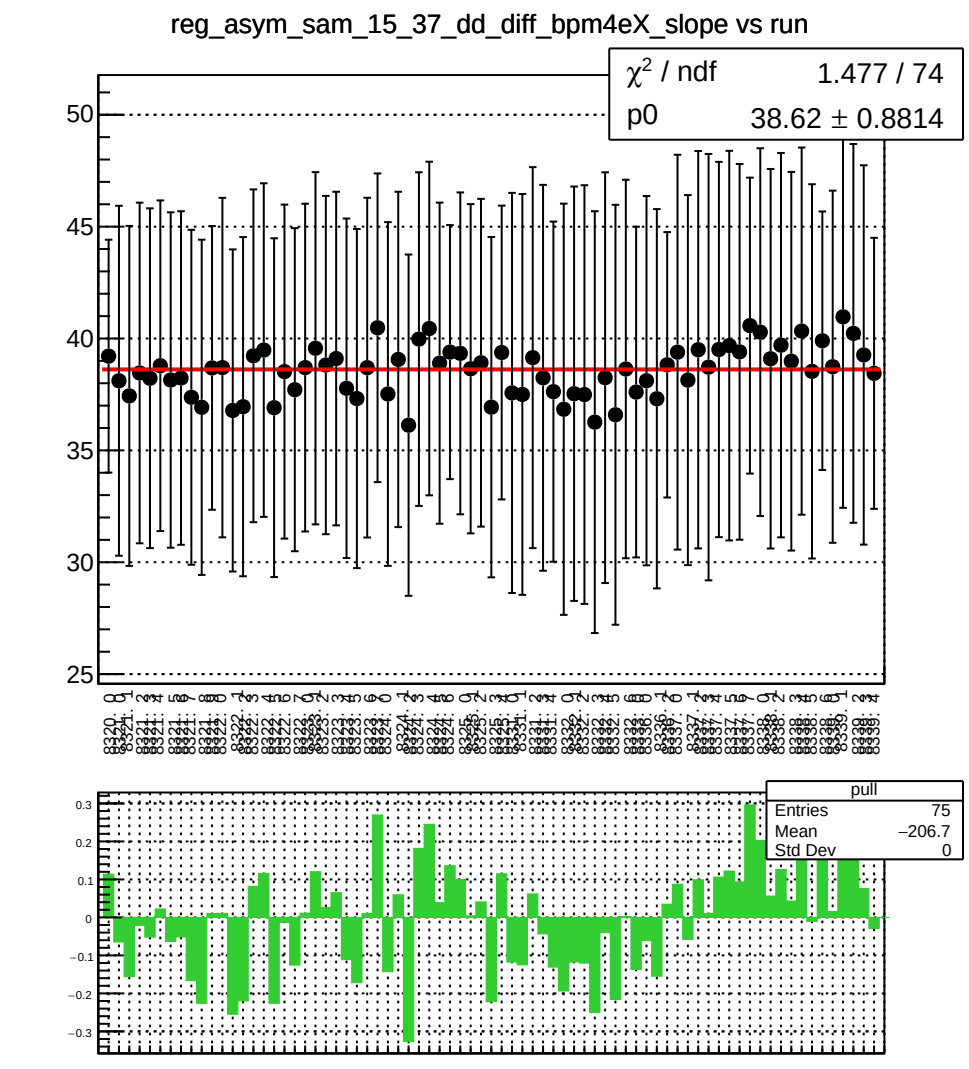

pull1D
Entries 75
Mean −0.01247
Std Dev 0.2681

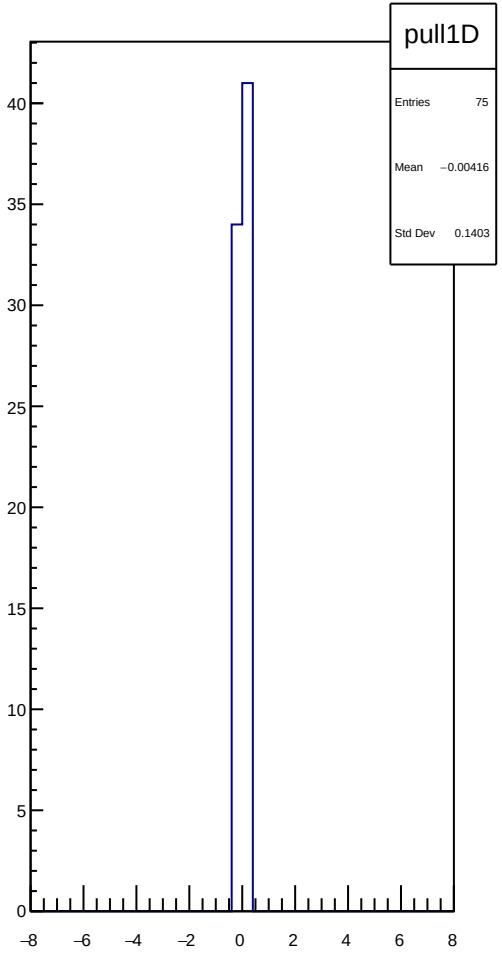

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.039 / 74
p0 0.4175 ± 0.0568
pull
Entries 75
Mean 209.2
Std Dev 0
pull1D
Entries 75
Mean −0.00635
Std Dev 0.2012

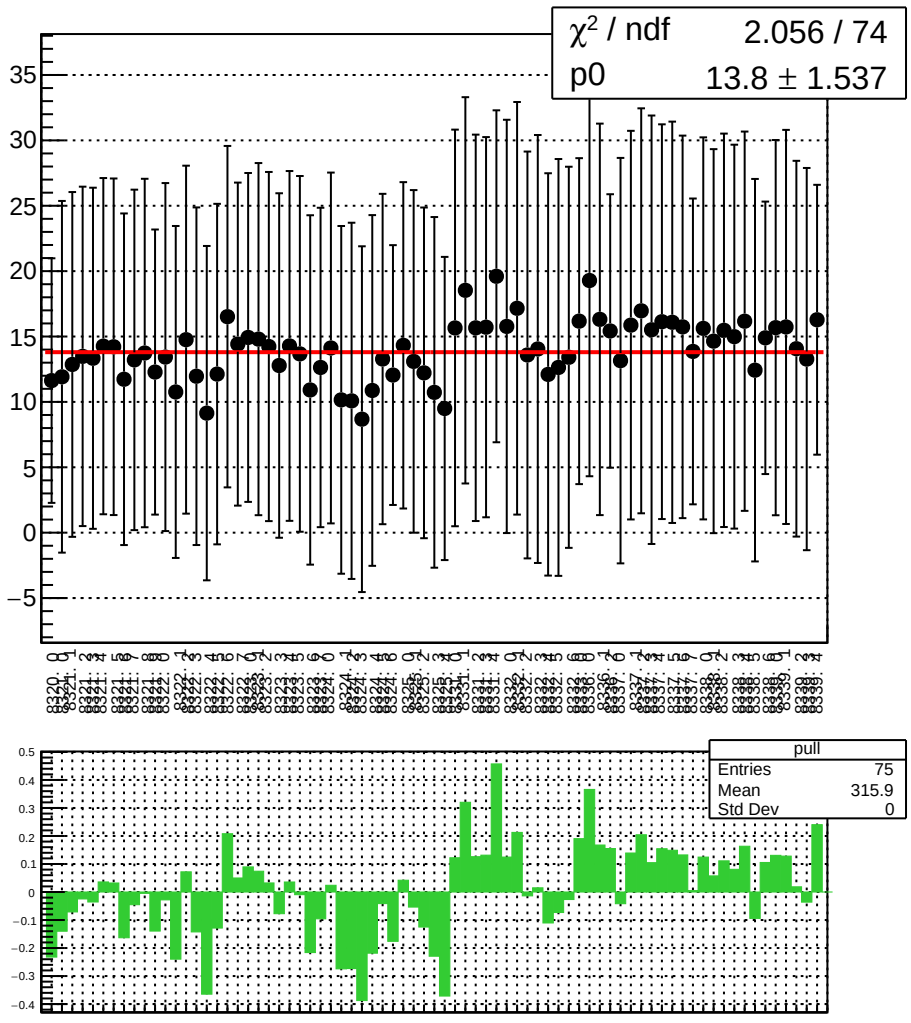

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.526 / 74
p0 1.11 ± 0.7733
pull
Entries 75
Mean −183.3
Std Dev 0
pull1D
Entries 75
Mean 0.005
Std Dev 0.1426

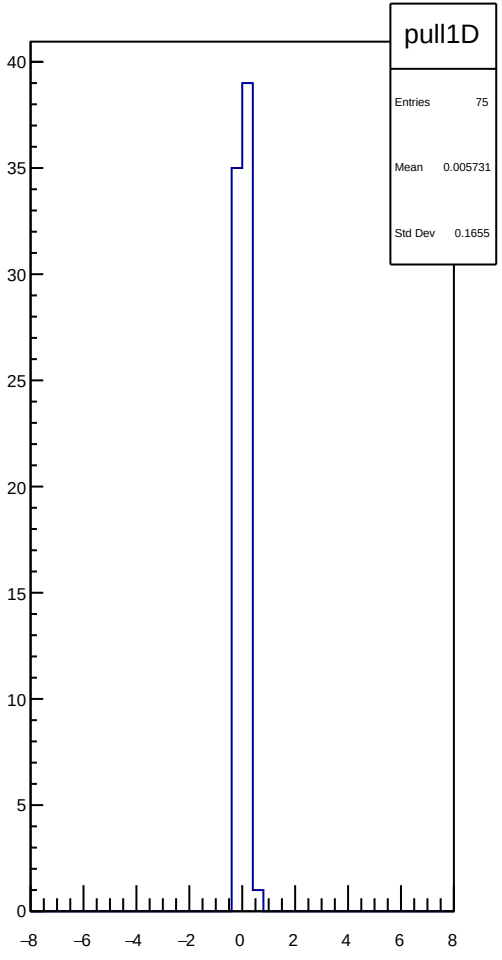

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.557 / 74
p0 9.939 ± 1.478
pull
Entries 75
Mean 292.2
Std Dev 0

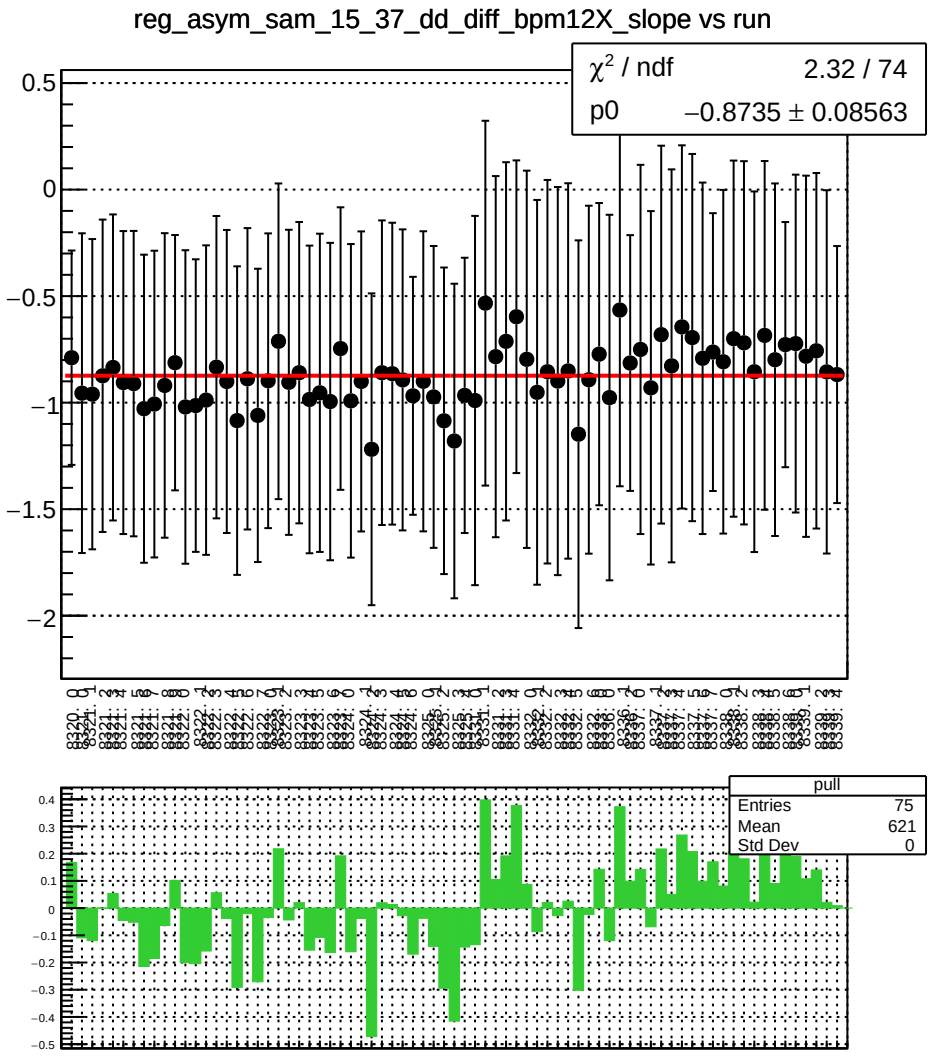

pull1D
Entries 75
Mean −0.003295
Std Dev 0.1441

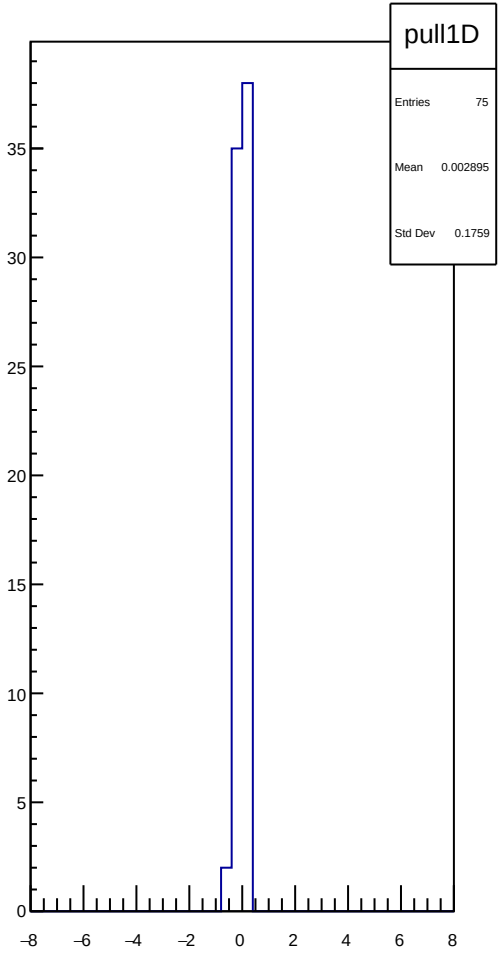

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.477 / 74
p0 38.62 ± 0.8814
pull
Entries 75
Mean −206.7
Std Dev 0

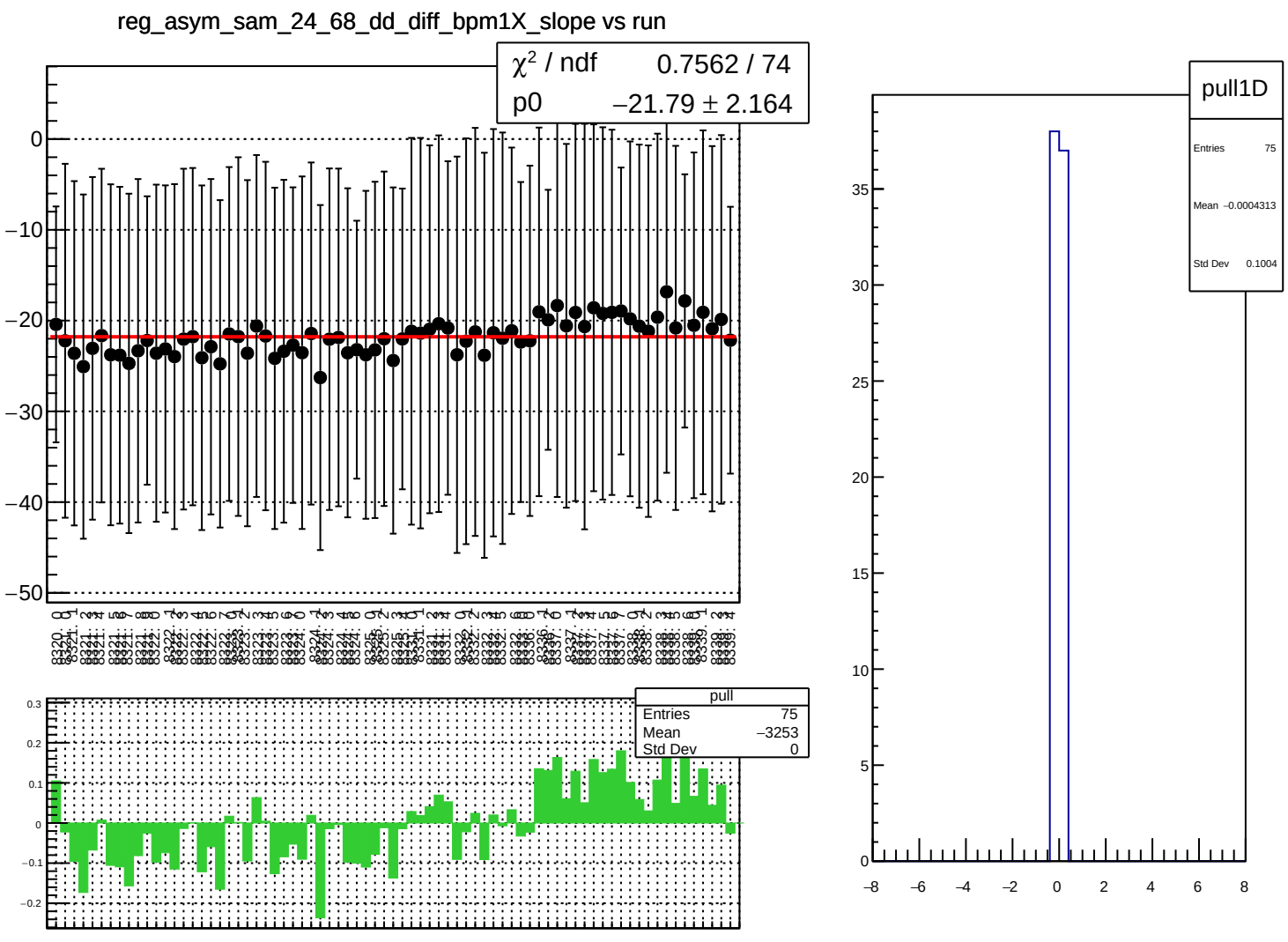

pull1D
Entries 75
Mean −0.00416
Std Dev 0.1403

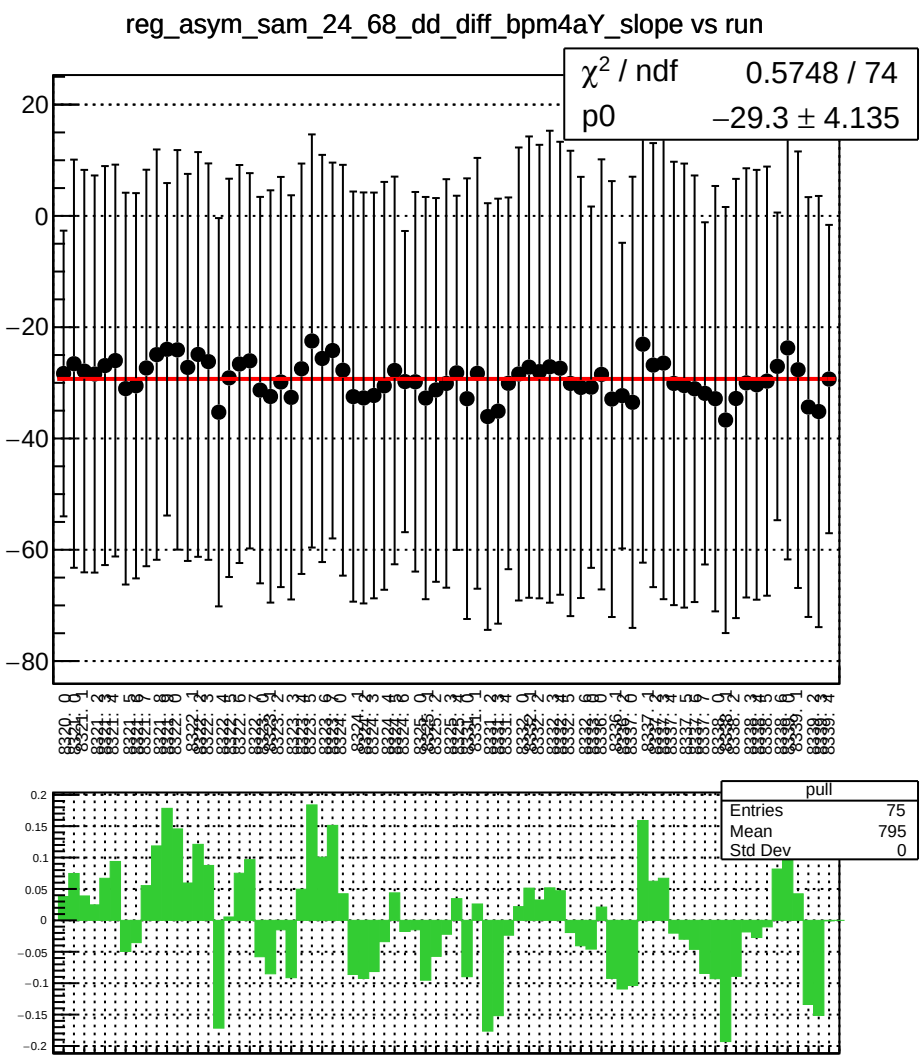

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.056 / 74
p0 13.8 ± 1.537
pull
Entries 75
Mean 315.9
Std Dev 0

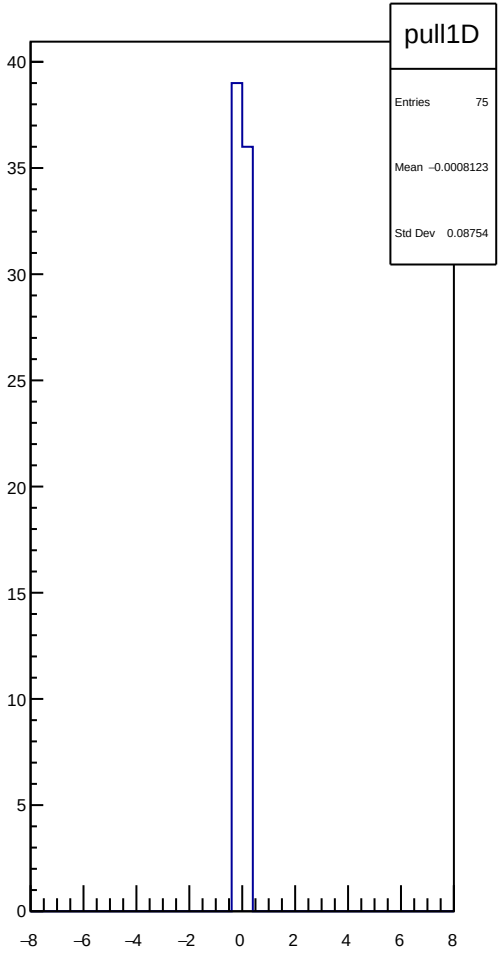

pull1D
Entries 75
Mean 0.005731
Std Dev 0.1655

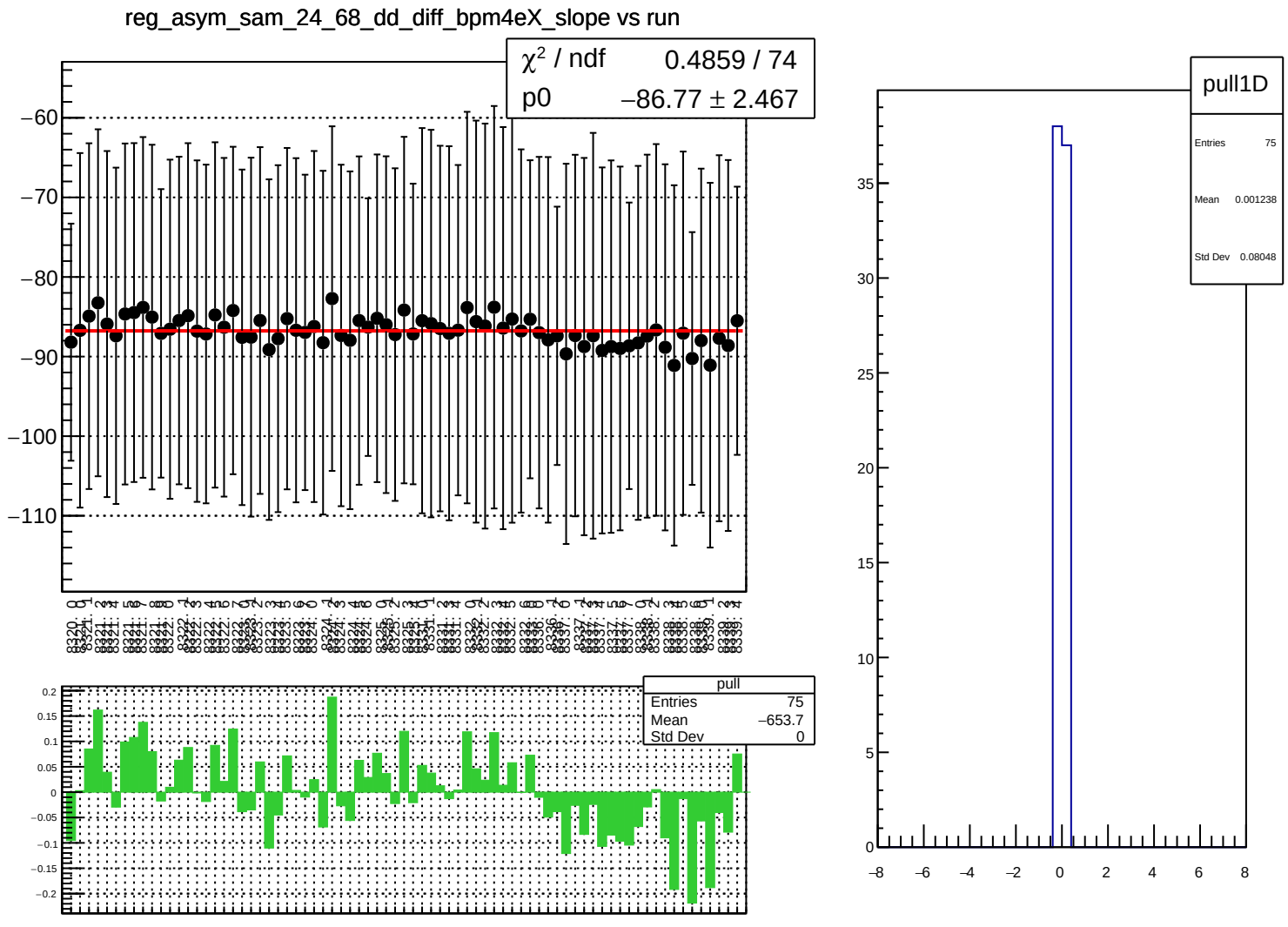

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.32 / 74
p0 −0.8735 ± 0.08563
pull
Entries 75
Mean 621
Std Dev 0

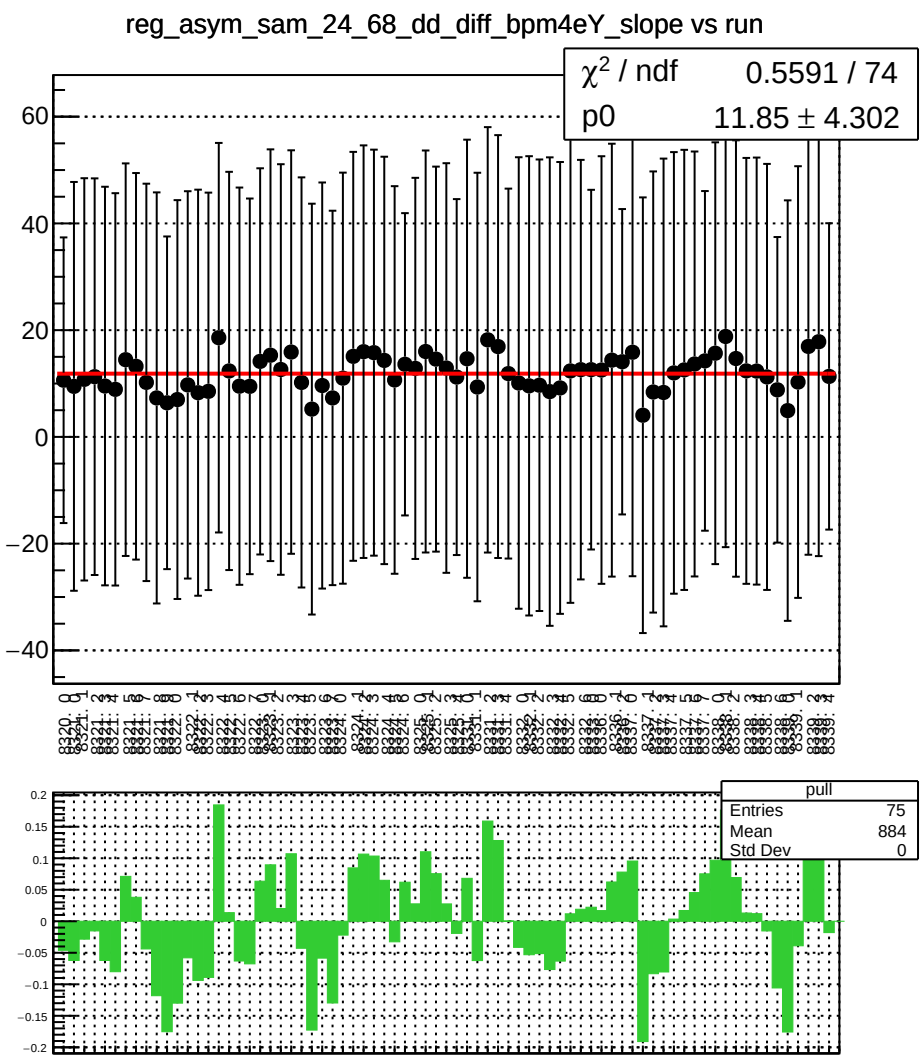

pull1D
Entries 75
Mean 0.002895
Std Dev 0.1759

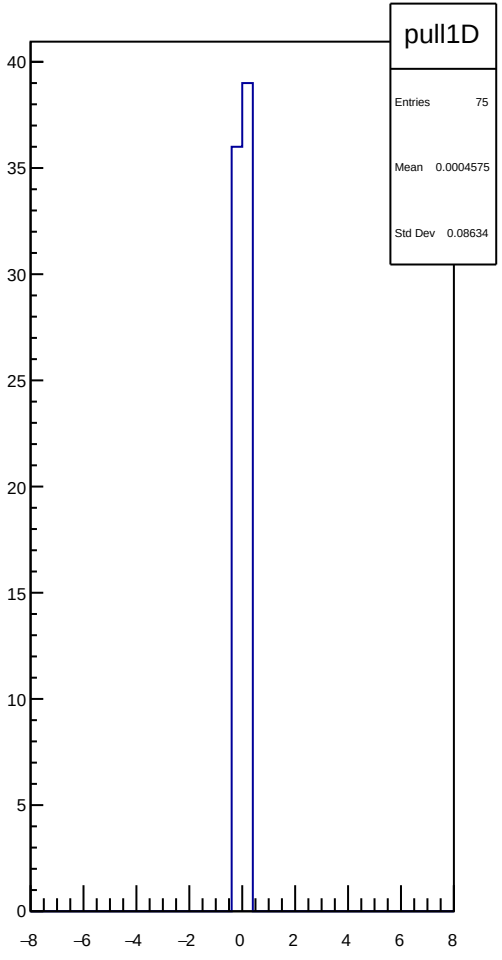

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7562 / 74
p0 −21.79 ± 2.164
pull
Entries 75
Mean −3253
Std Dev 0
pull1D
Entries 75
Mean −0.0004313
Std Dev 0.1004

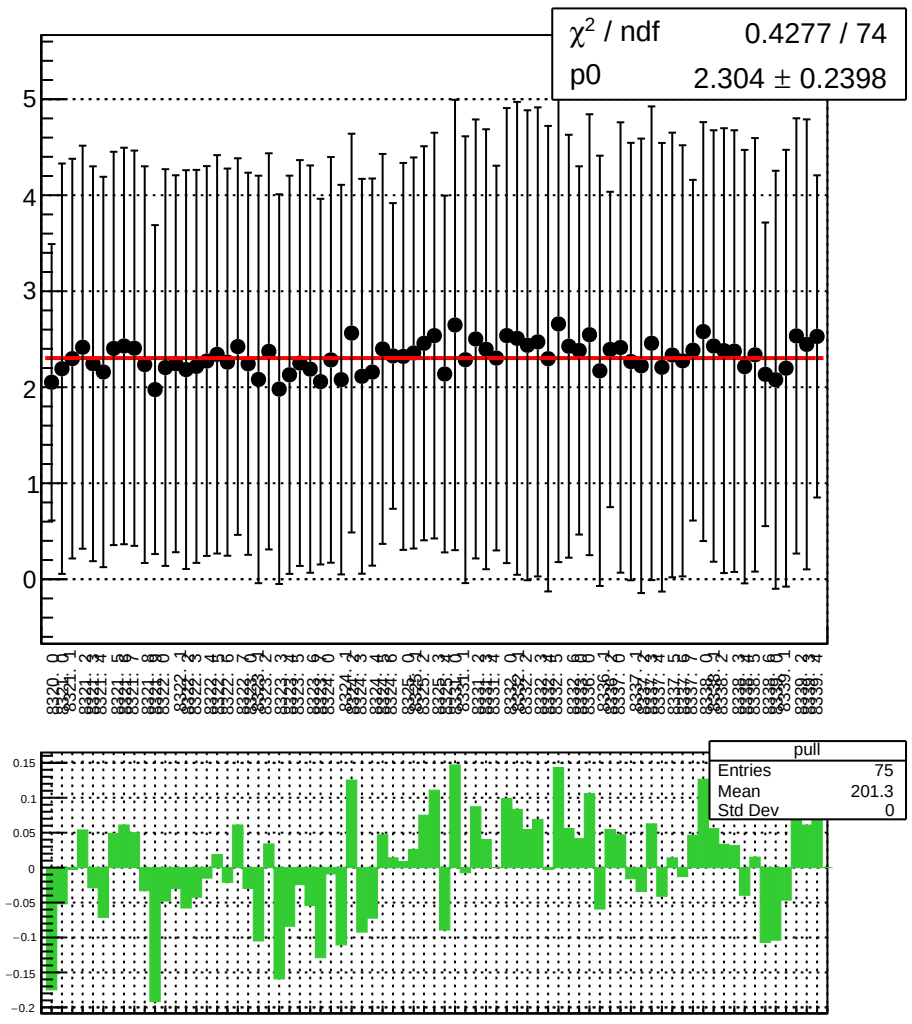

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.5748 / 74
p0 −29.3 ± 4.135
pull
Entries 75
Mean 795
Std Dev 0

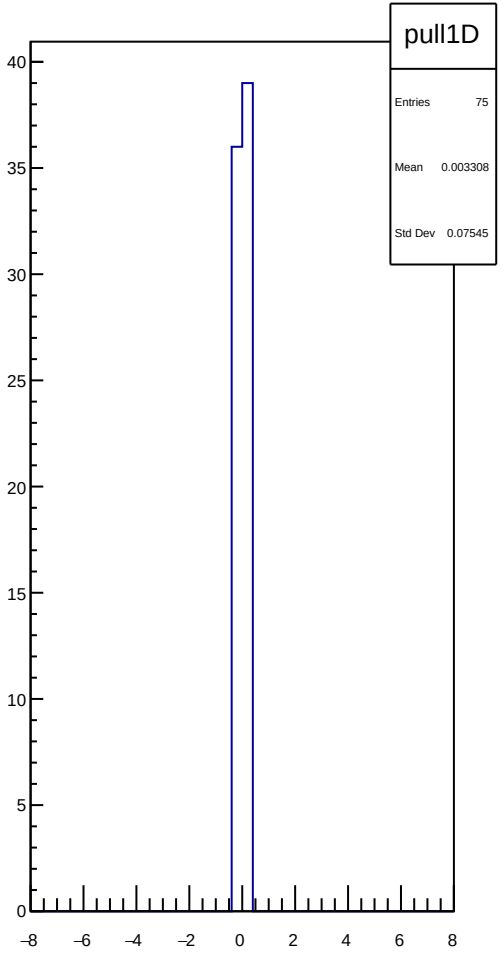

pull1D
Entries 75
Mean −0.0008123
Std Dev 0.08754

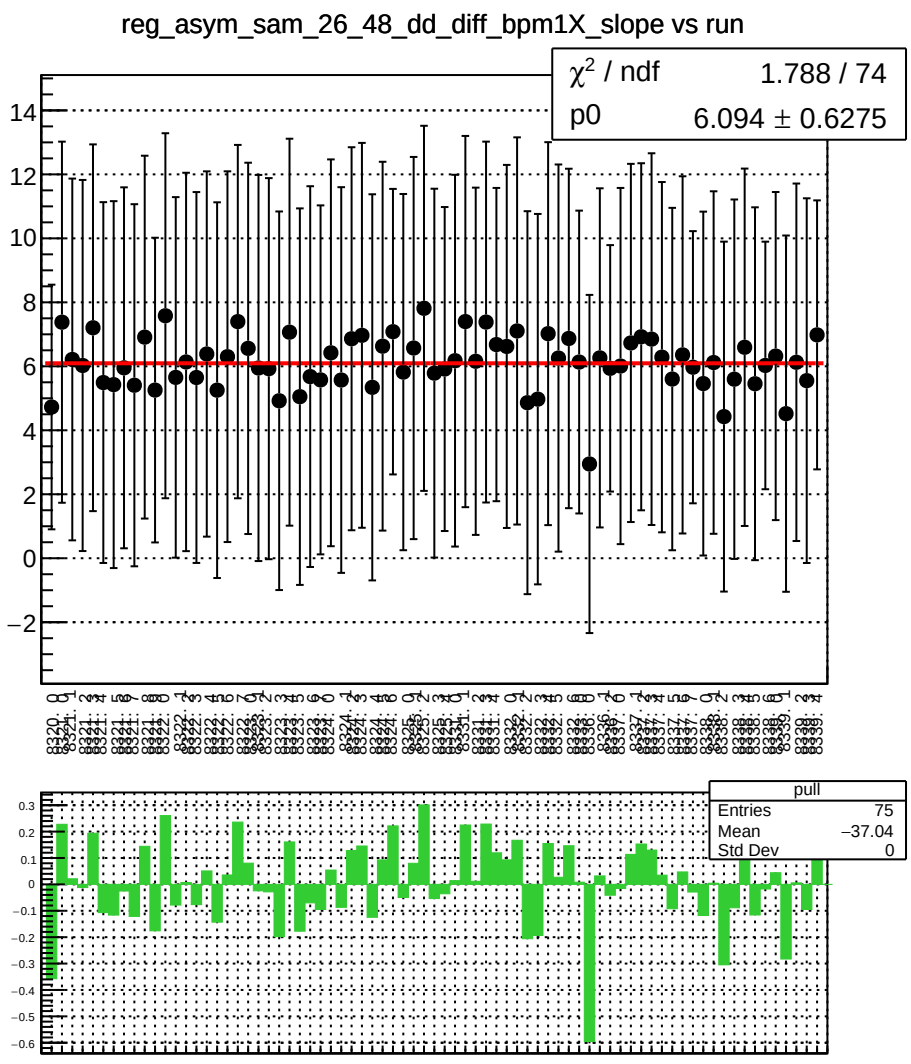

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4859 / 74
p0 −86.77 ± 2.467
pull
Entries 75
Mean −653.7
Std Dev 0
pull1D
Entries 75
Mean 0.001238
Std Dev 0.08048

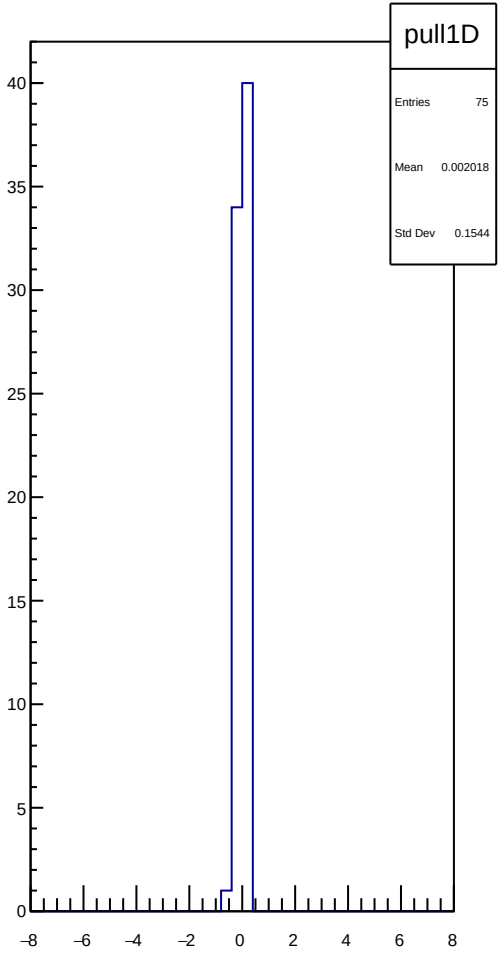

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.5591 / 74
p0 11.85 ± 4.302
pull
Entries 75
Mean 884
Std Dev 0

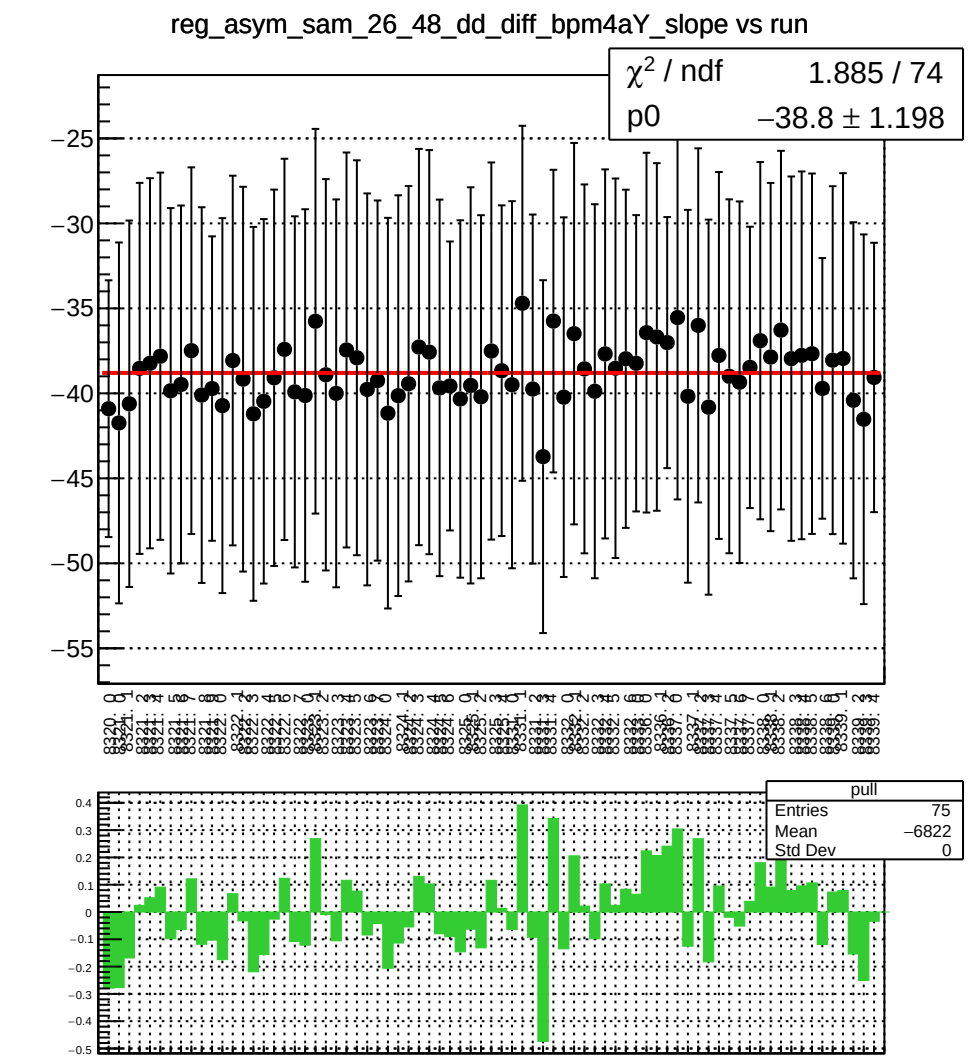

pull1D
Entries 75
Mean 0.0004575
Std Dev 0.08634

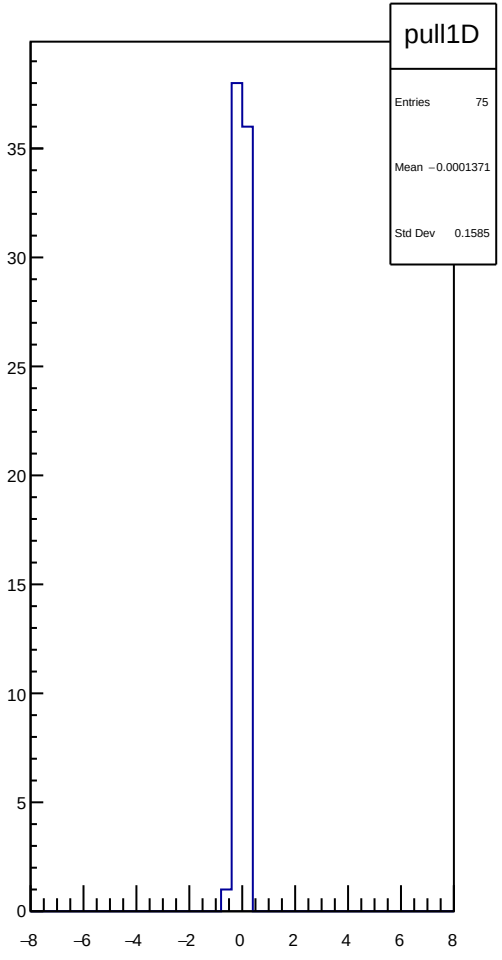

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4277 / 74
p0 2.304 ± 0.2398
pull
Entries 75
Mean 201.3
Std Dev 0

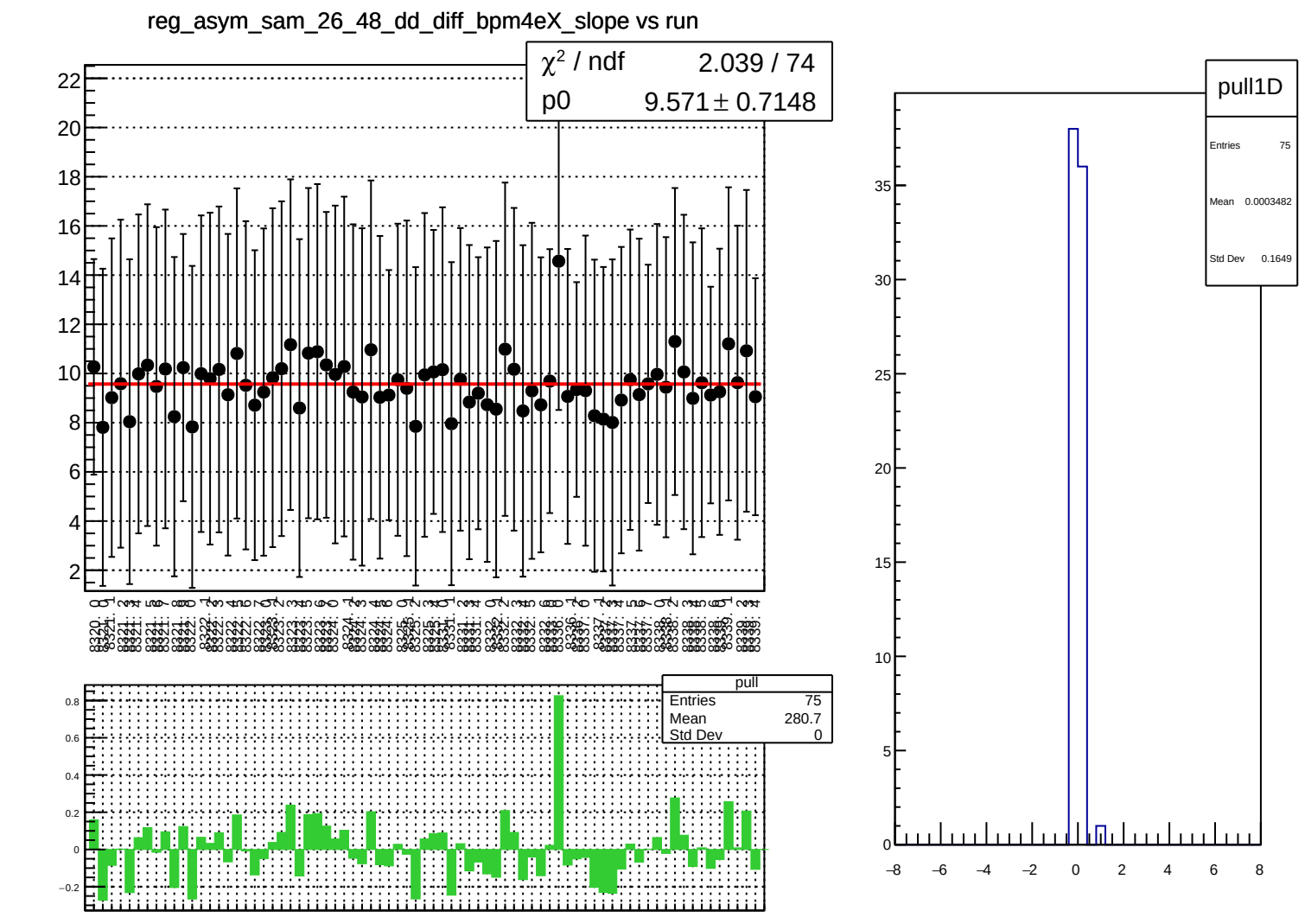

pull1D
Entries 75
Mean 0.003308
Std Dev 0.07545

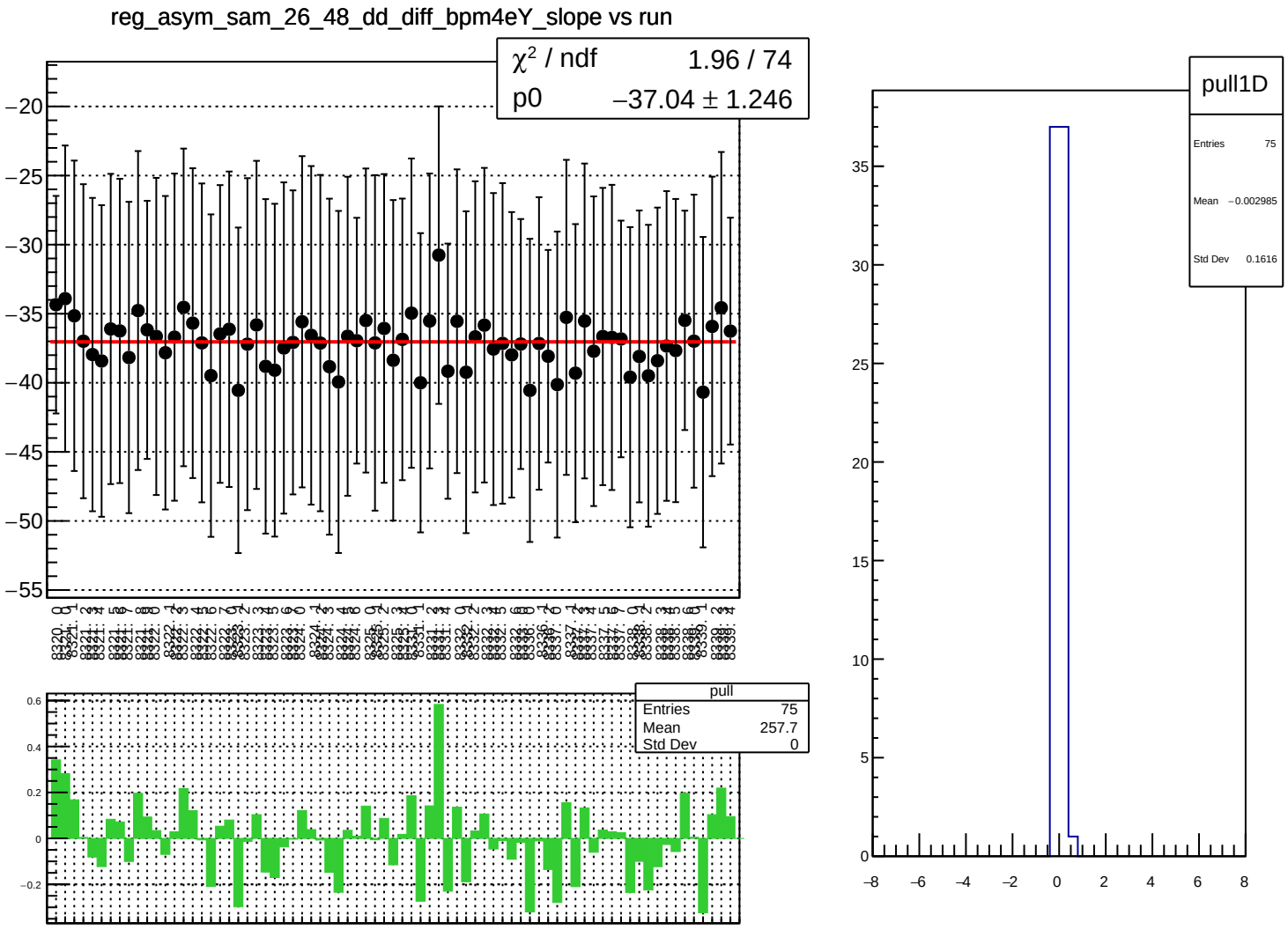

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.788 / 74
p0 6.094 ± 0.6275
pull
Entries 75
Mean −37.04
Std Dev 0

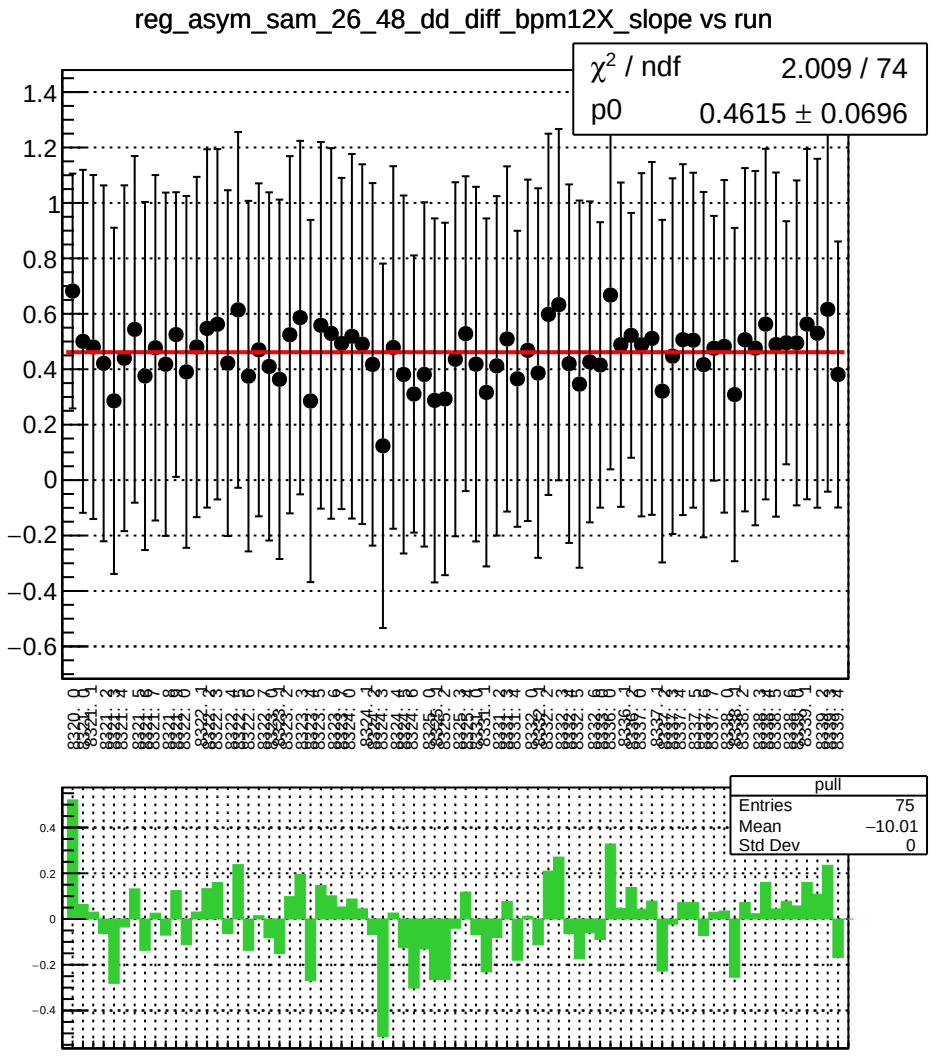

pull1D
Entries 75
Mean 0.002018
Std Dev 0.1544

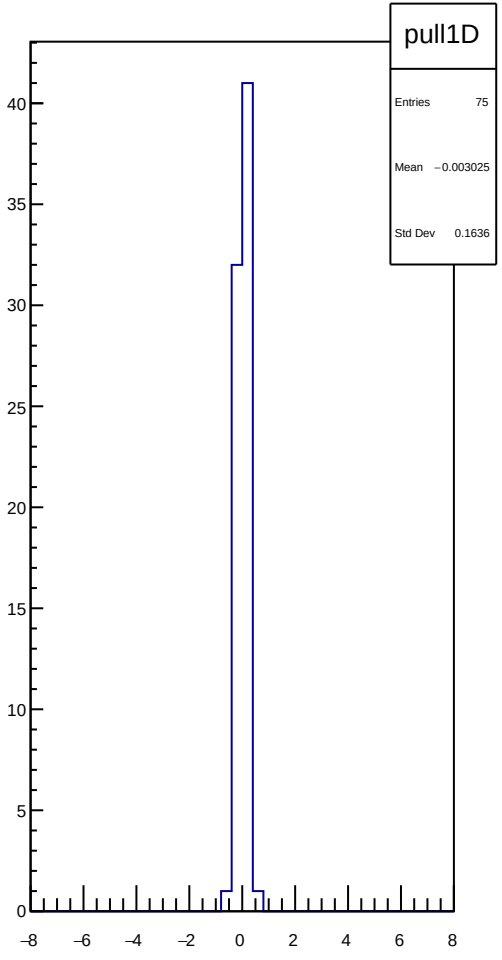

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.885 / 74
p0 −38.8 ± 1.198
pull
Entries 75
Mean −6822
Std Dev 0

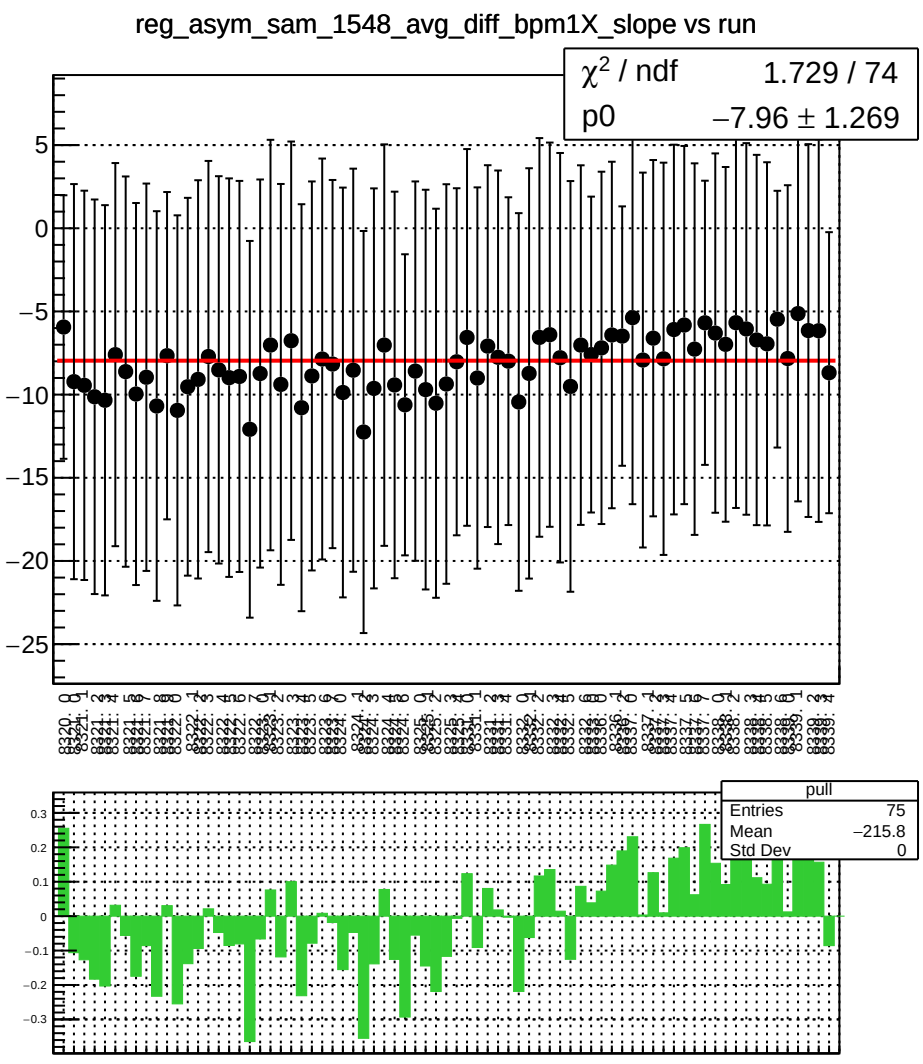

pull1D
Entries 75
Mean −0.0001371
Std Dev 0.1585

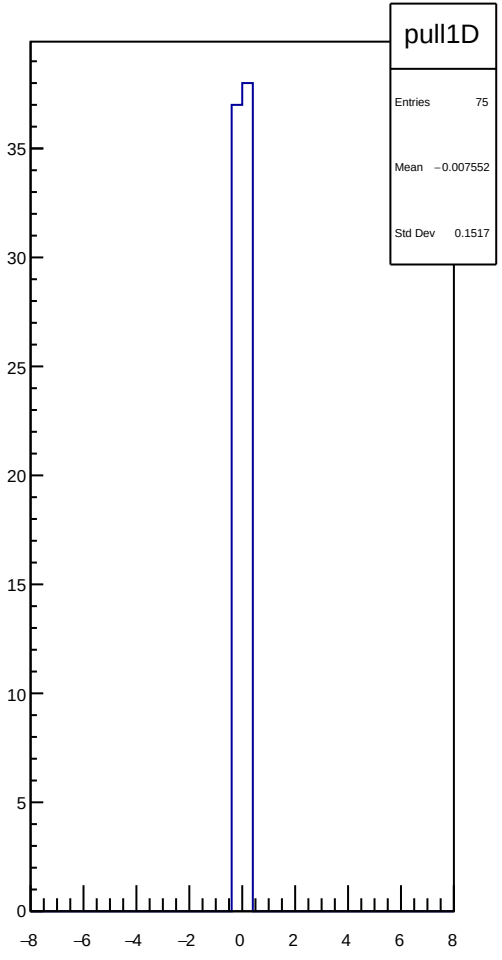

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.039 / 74
p0 9.571 ± 0.7148
pull
Entries 75
Mean 280.7
Std Dev 0
pull1D
Entries 75
Mean 0.0003482
Std Dev 0.1649

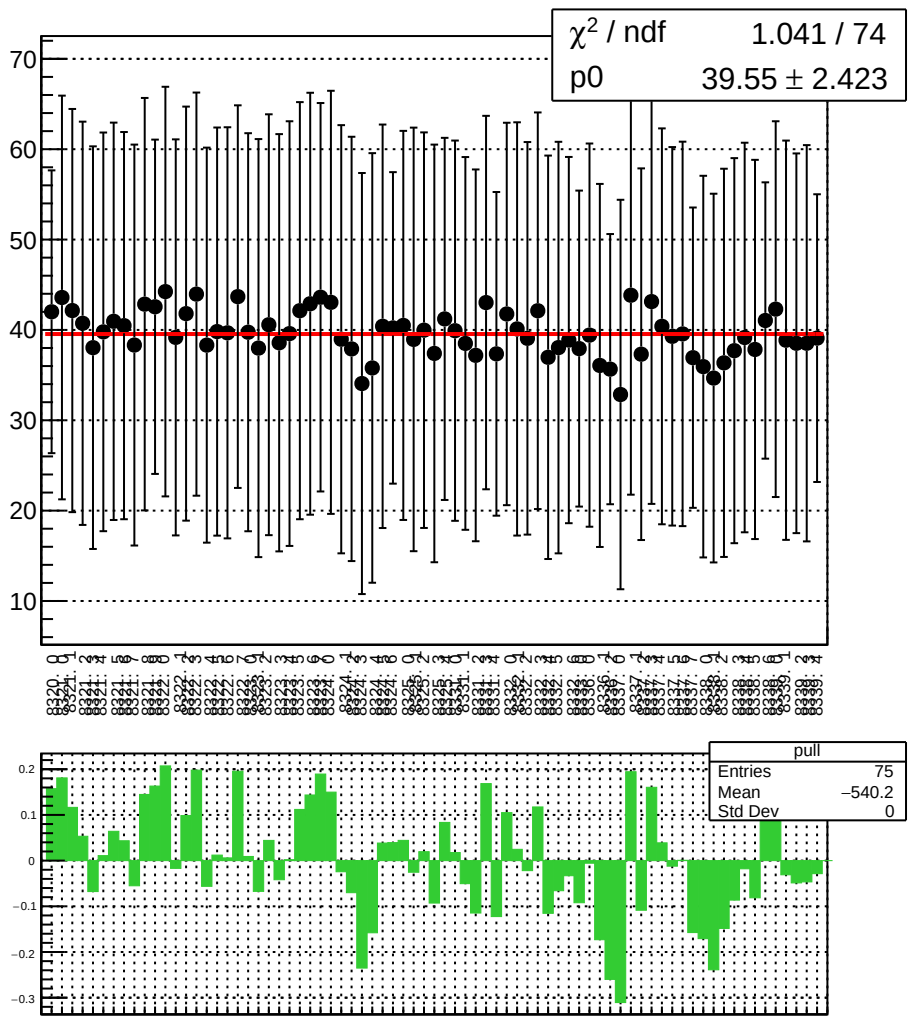

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.96 / 74
p0 −37.04 ± 1.246
pull
Entries 75
Mean 257.7
Std Dev 0
pull1D
Entries 75
Mean −0.002985
Std Dev 0.1616

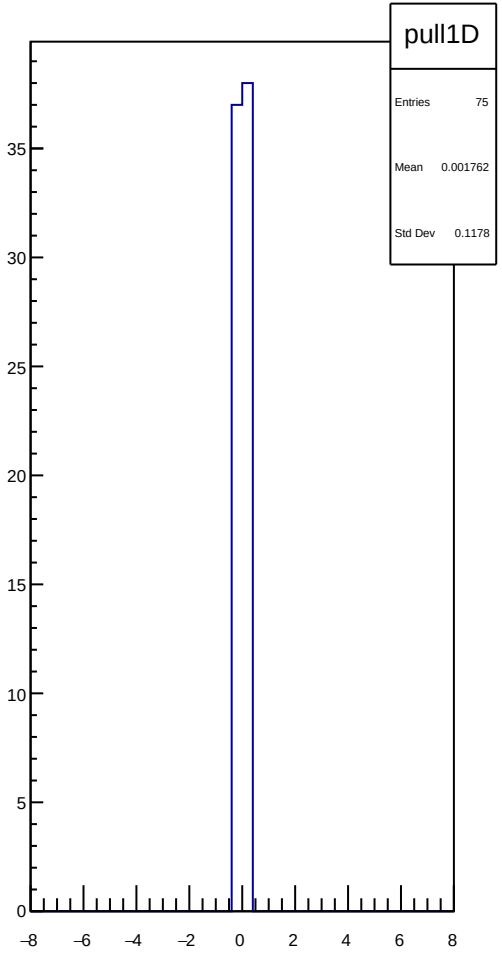

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.009 / 74
p0 0.4615 ± 0.0696
pull
Entries 75
Mean −10.01
Std Dev 0

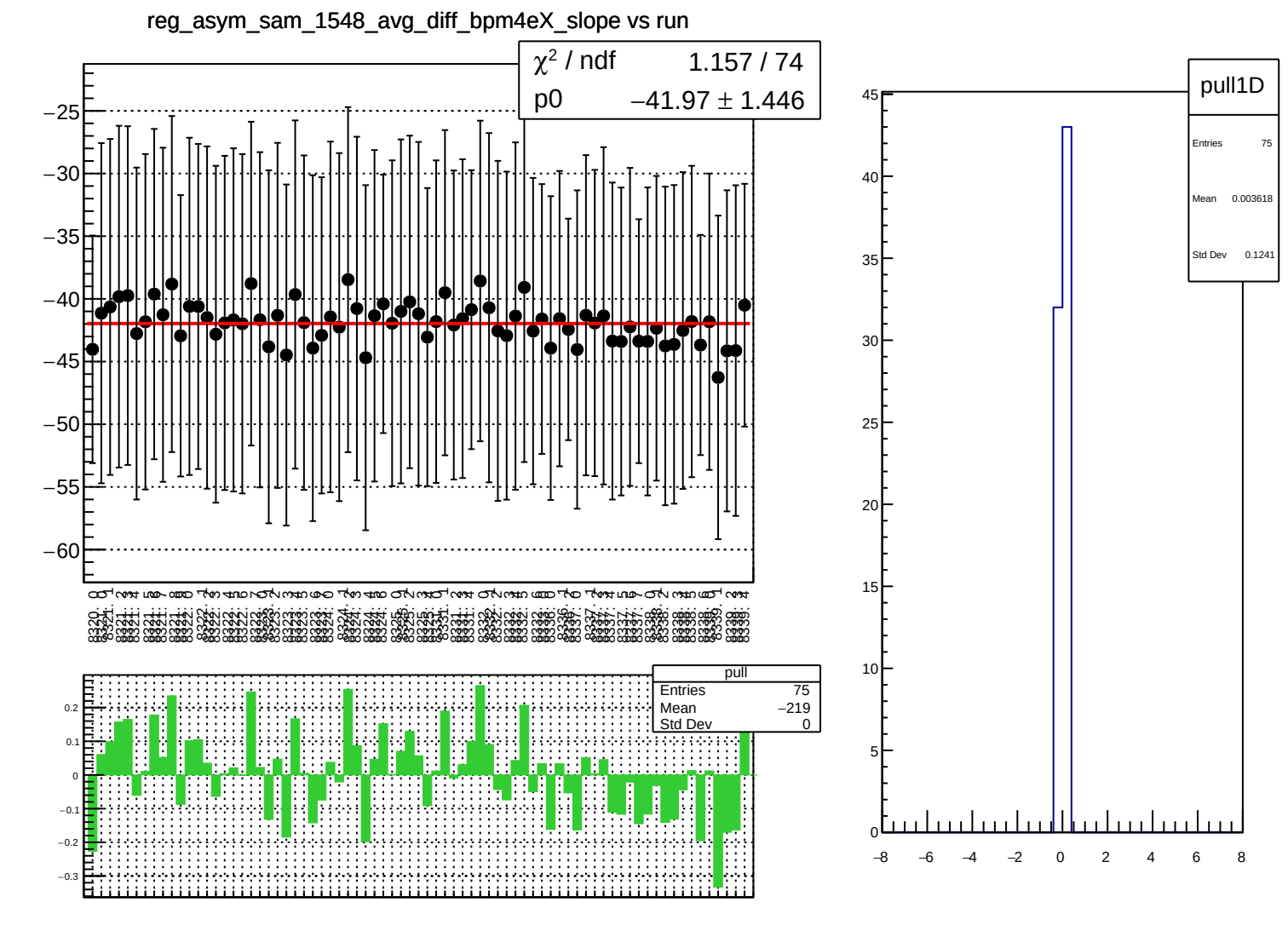

pull1D
Entries 75
Mean −0.003025
Std Dev 0.1636

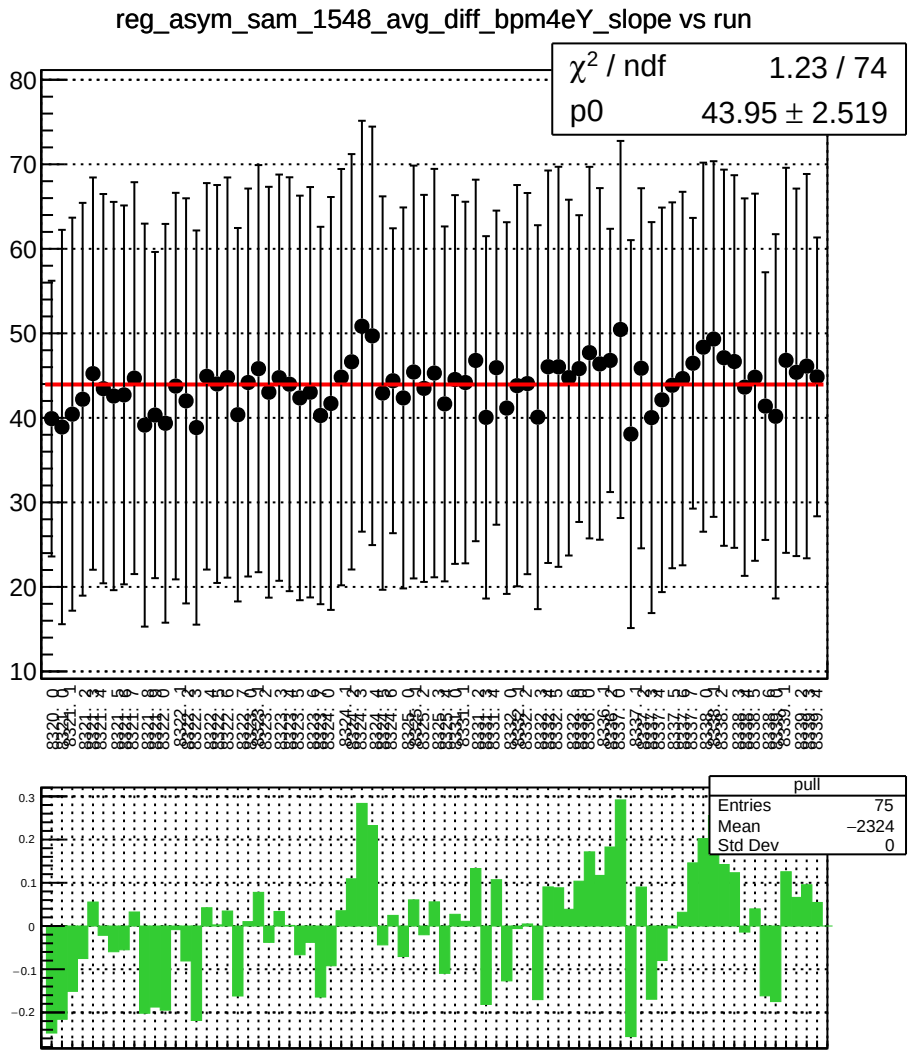

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1.729 / 74
p0 −7.96 ± 1.269
pull
Entries 75
Mean −215.8
Std Dev 0

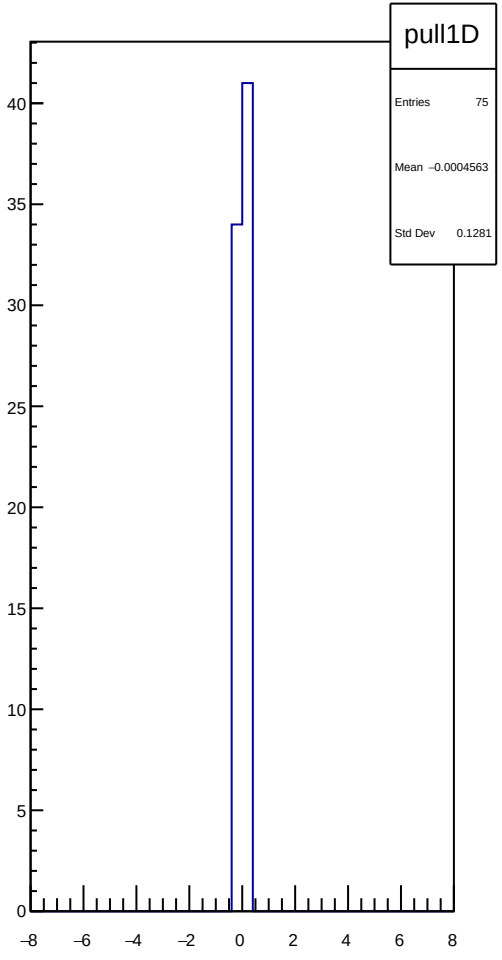

pull1D
Entries 75
Mean −0.007552
Std Dev 0.1517

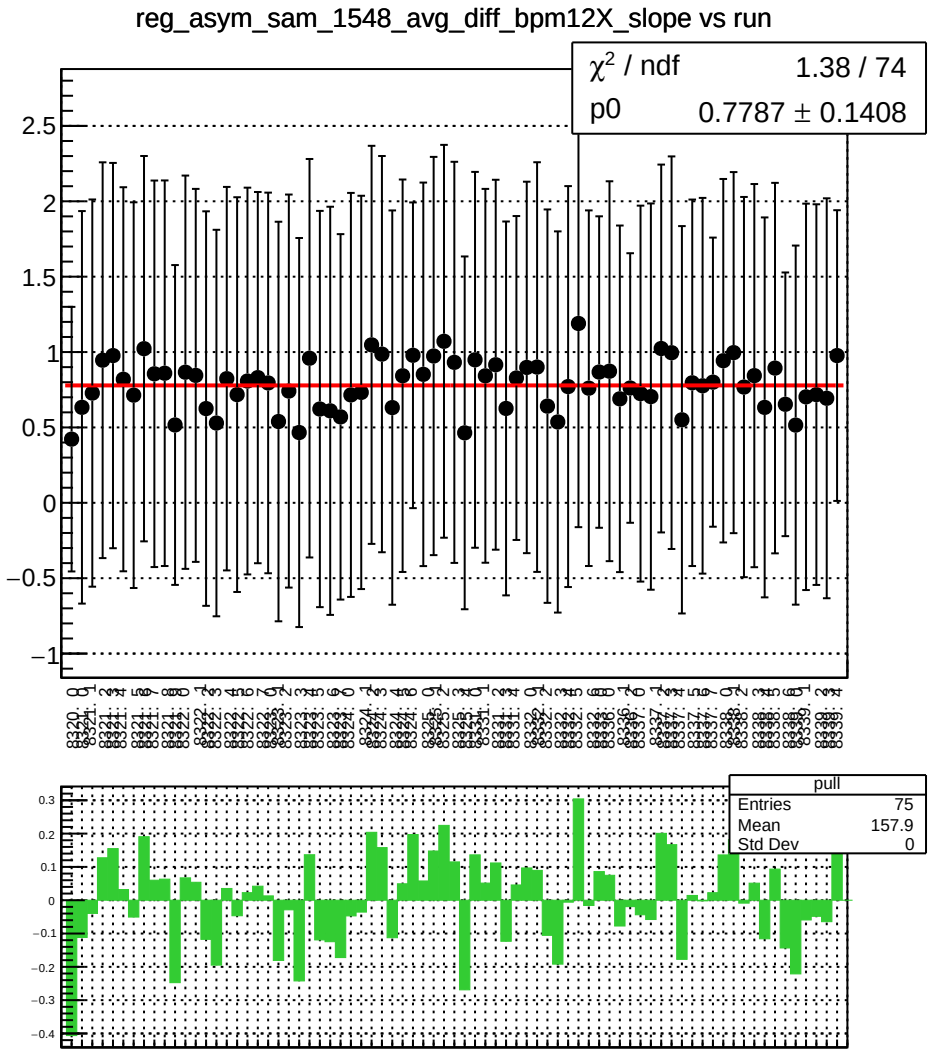

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.041 / 74
p0 39.55 ± 2.423
pull
Entries 75
Mean −540.2
Std Dev 0

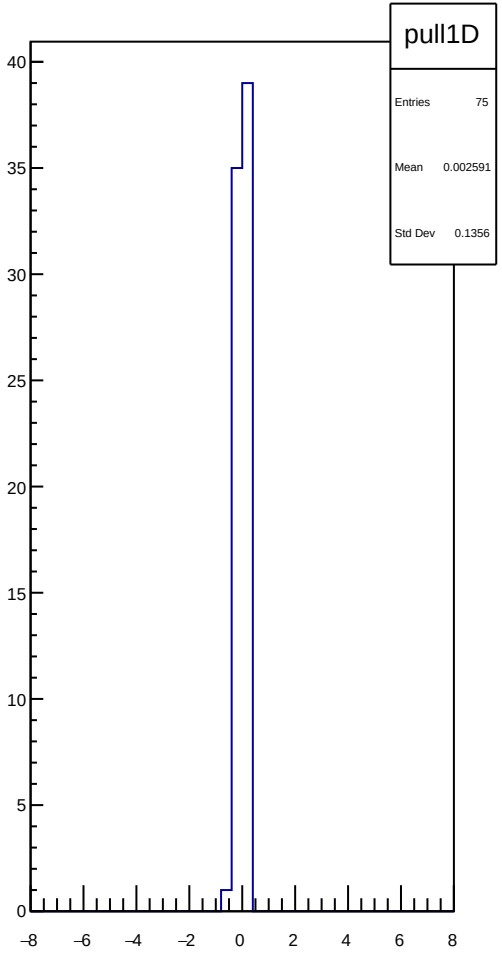

pull1D
Entries 75
Mean 0.001762
Std Dev 0.1178

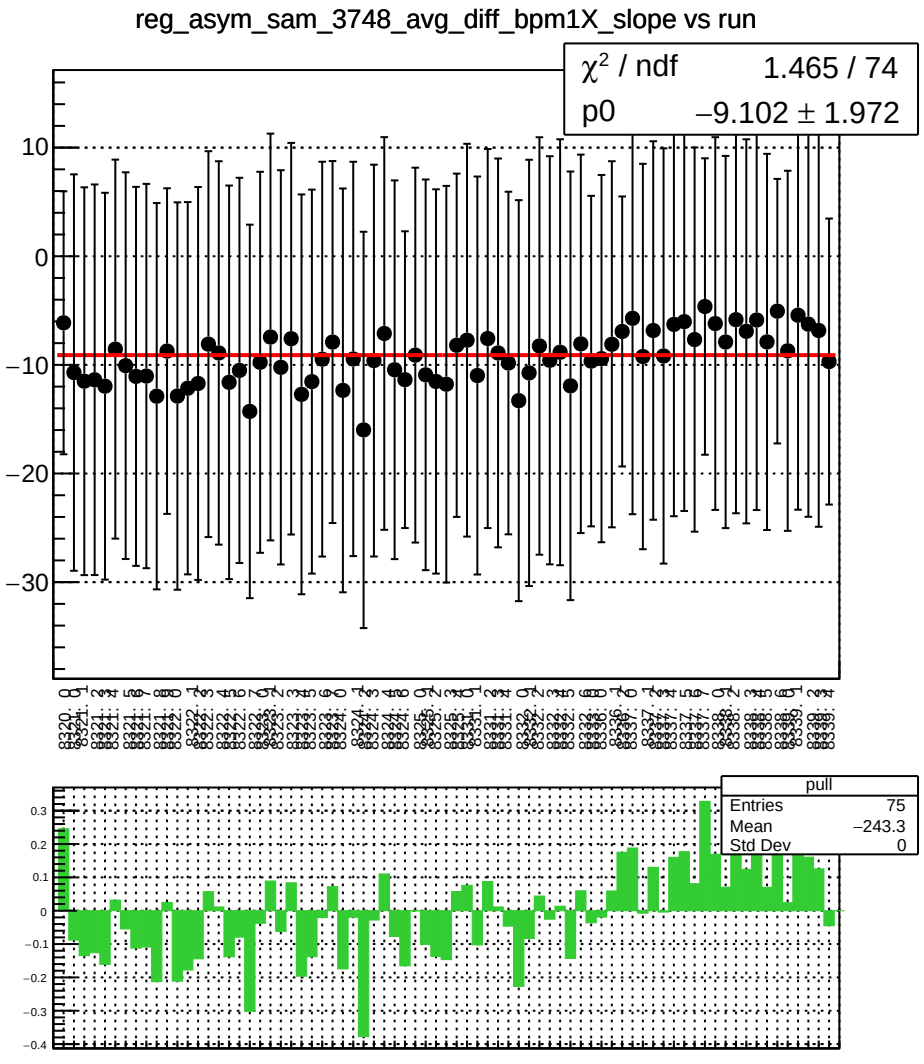

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.157 / 74
p0 −41.97 ± 1.446
pull
Entries 75
Mean −219
Std Dev 0
pull1D
Entries 75
Mean 0.003618
Std Dev 0.1241

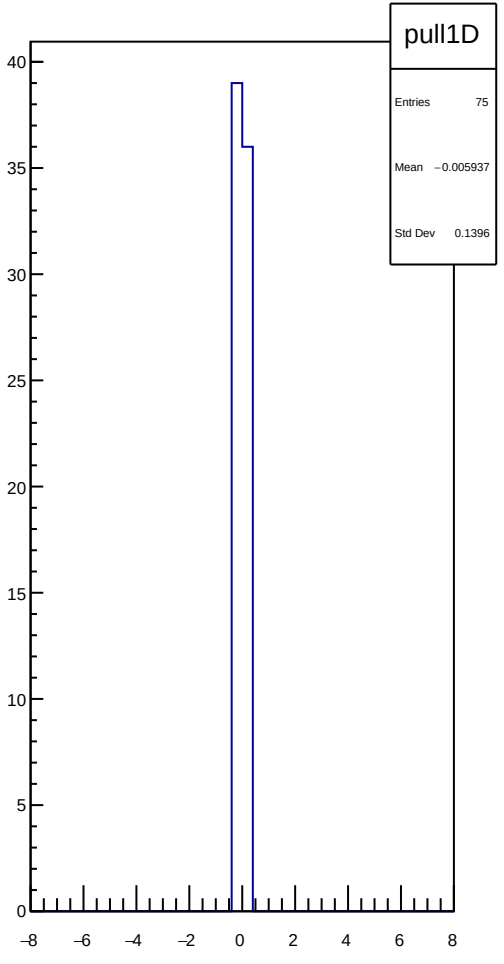

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.23 / 74
p0 43.95 ± 2.519
pull
Entries 75
Mean −2324
Std Dev 0

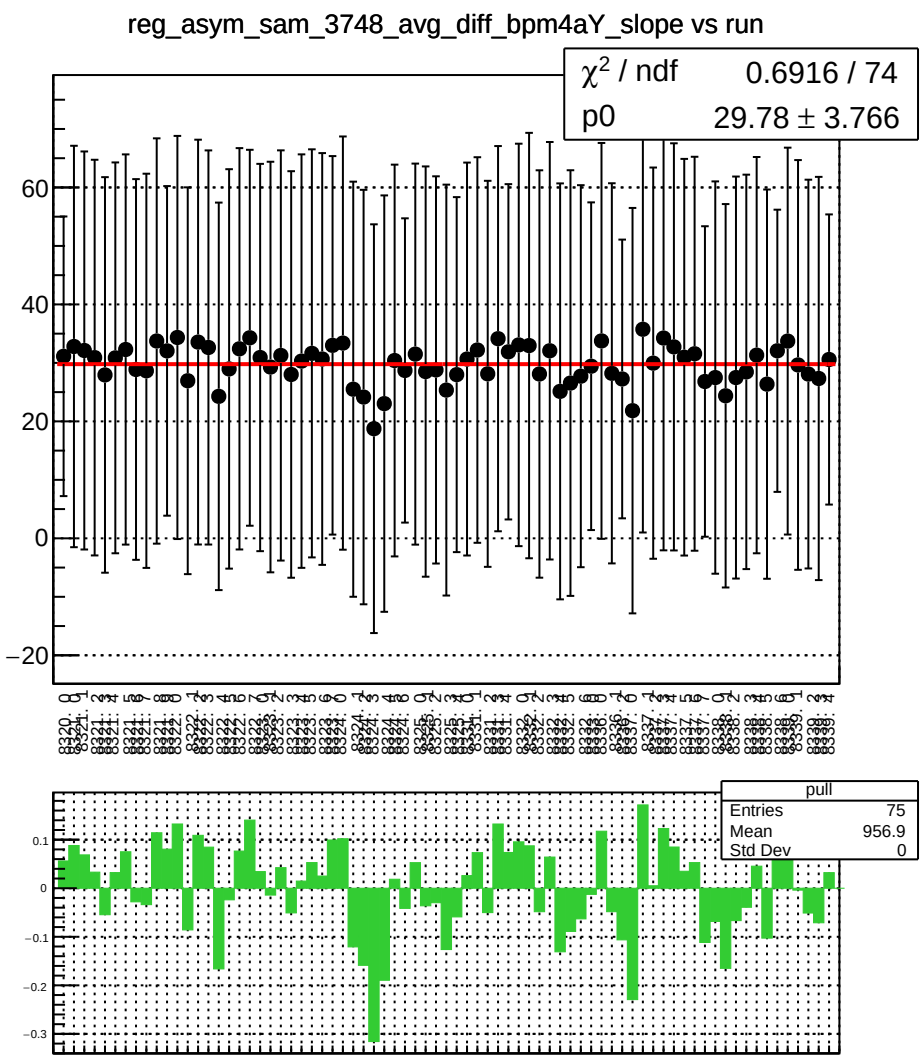

pull1D
Entries 75
Mean −0.0004563
Std Dev 0.1281

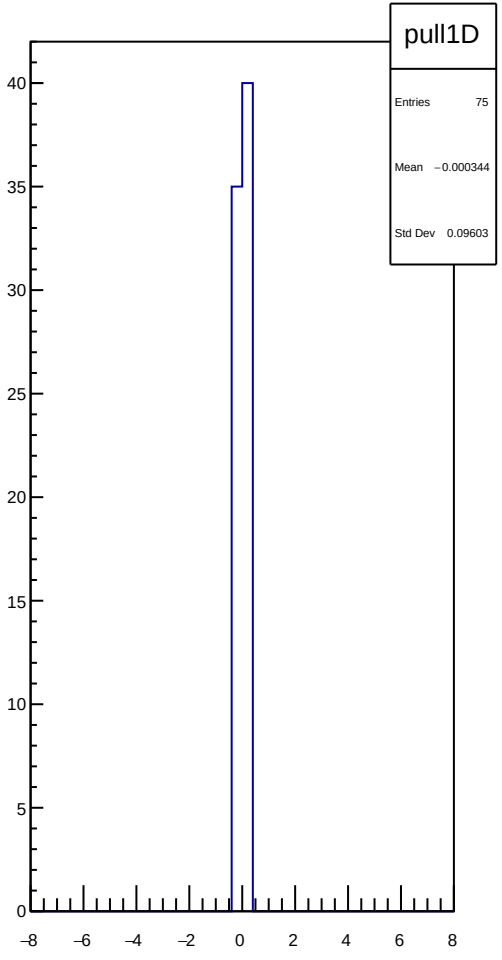

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 1.38 / 74
p0 0.7787 ± 0.1408
pull
Entries 75
Mean 157.9
Std Dev 0

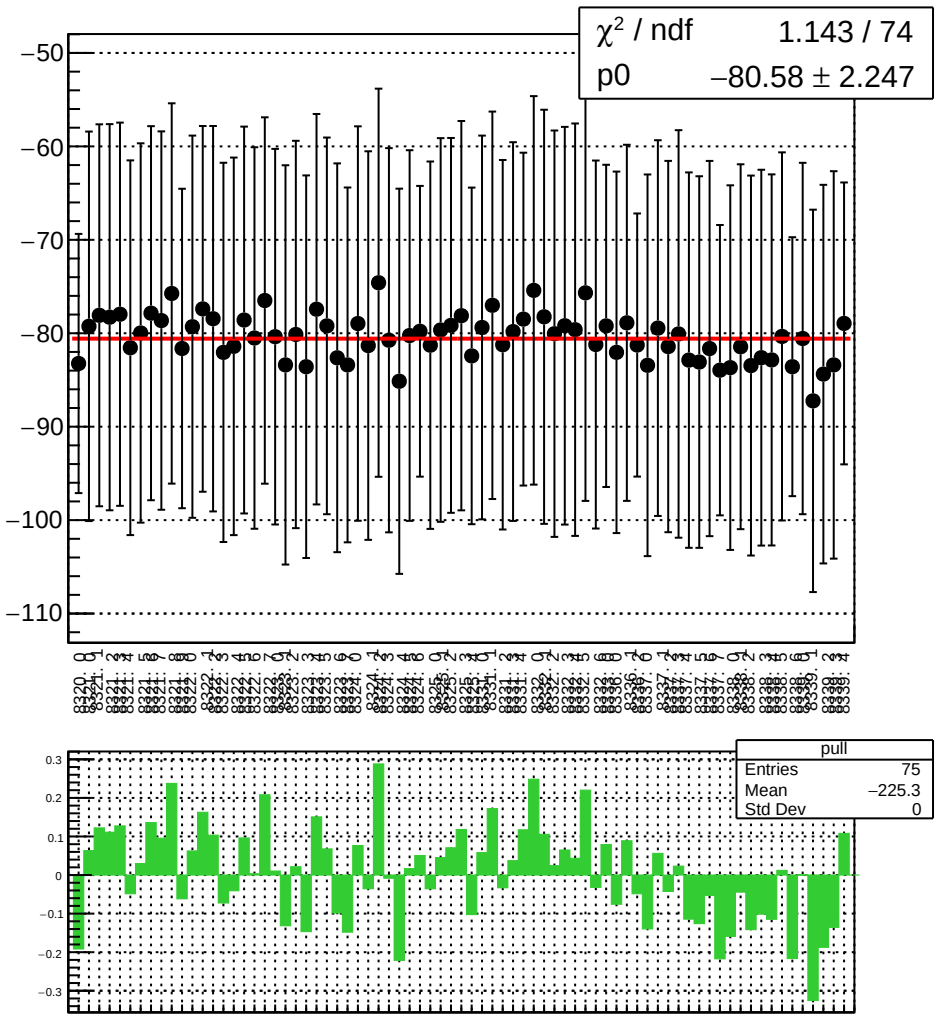

pull1D
Entries 75
Mean 0.002591
Std Dev 0.1356

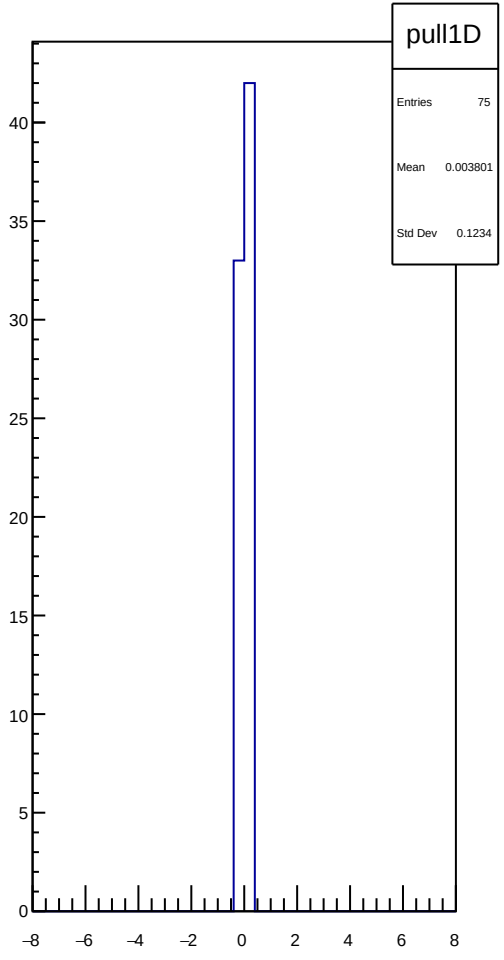

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1.465 / 74
p0 −9.102 ± 1.972
pull
Entries 75
Mean −243.3
Std Dev 0

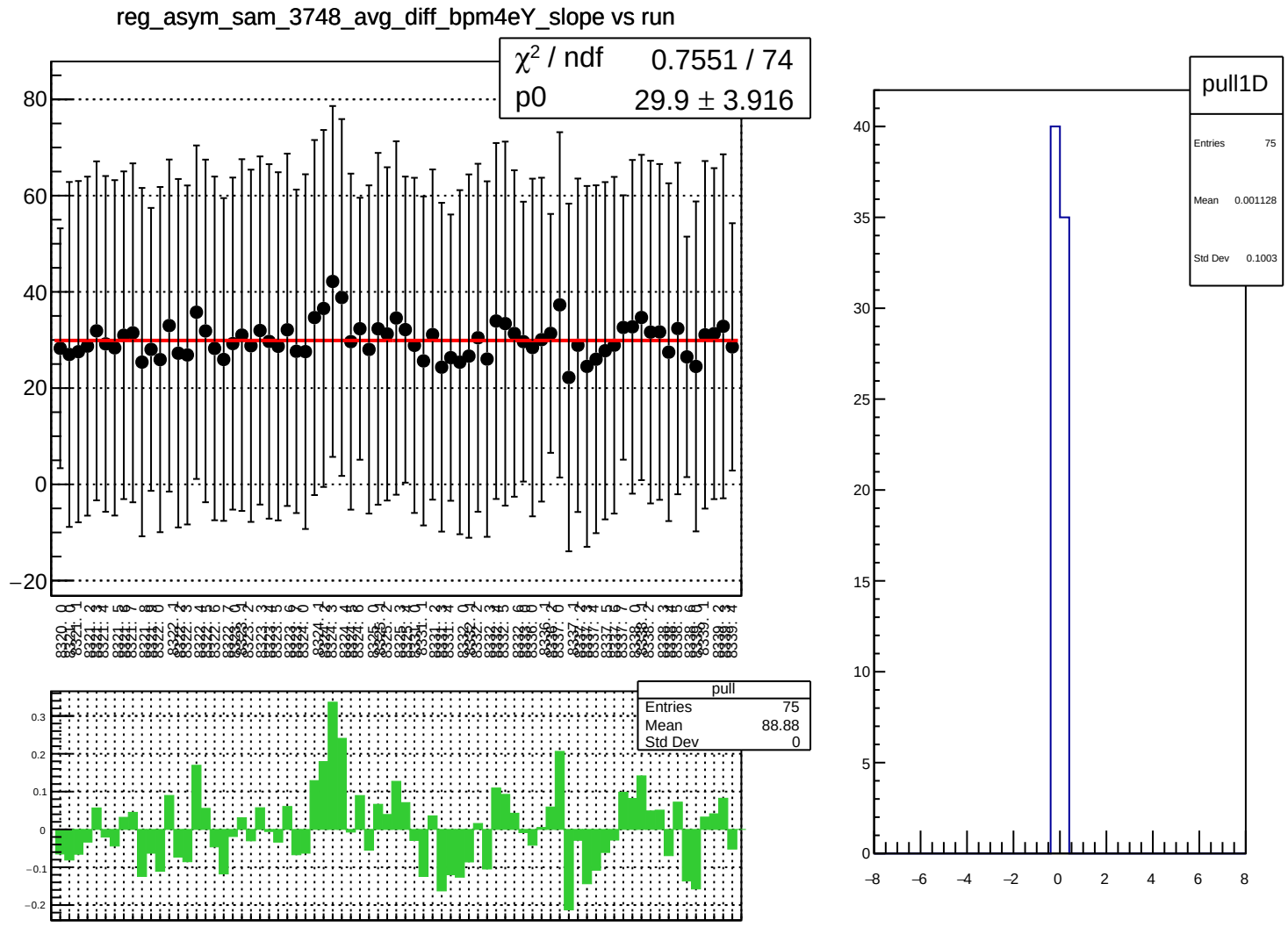

pull1D
Entries 75
Mean −0.005937
Std Dev 0.1396

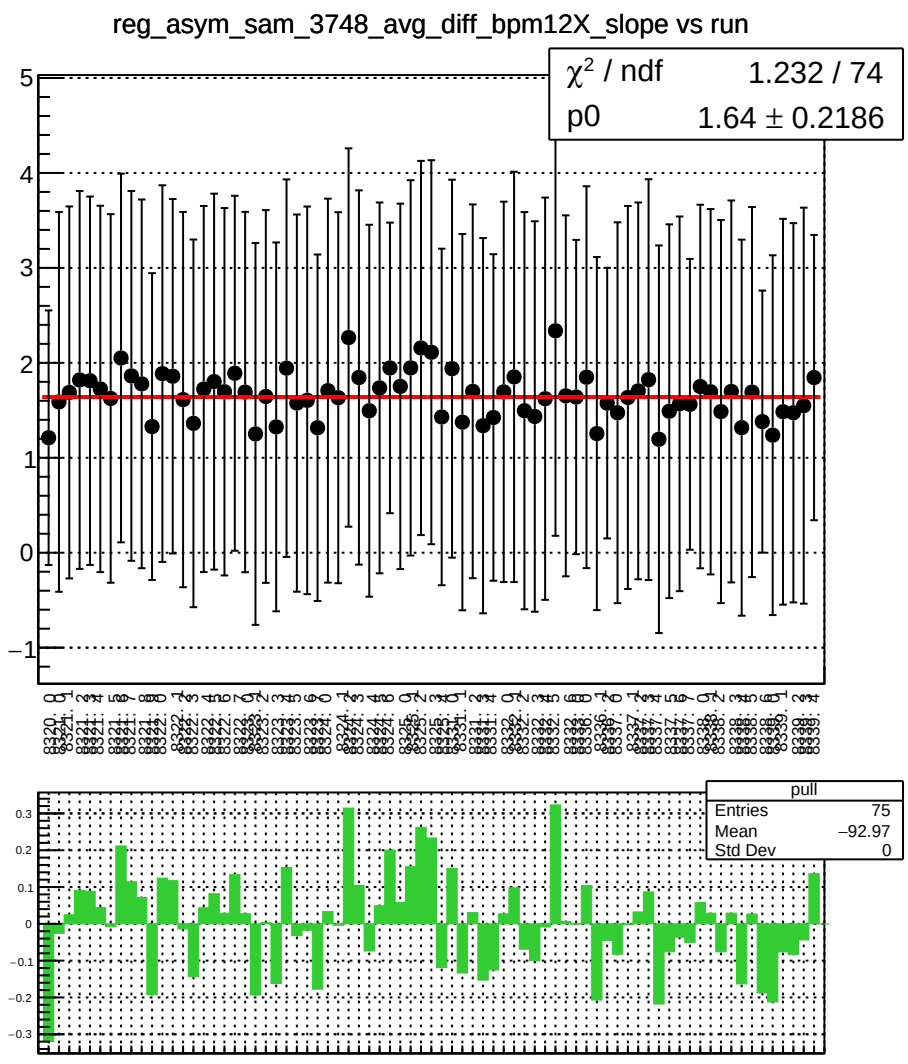

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.6916 / 74
p0 29.78 ± 3.766
pull
Entries 75
Mean 956.9
Std Dev 0

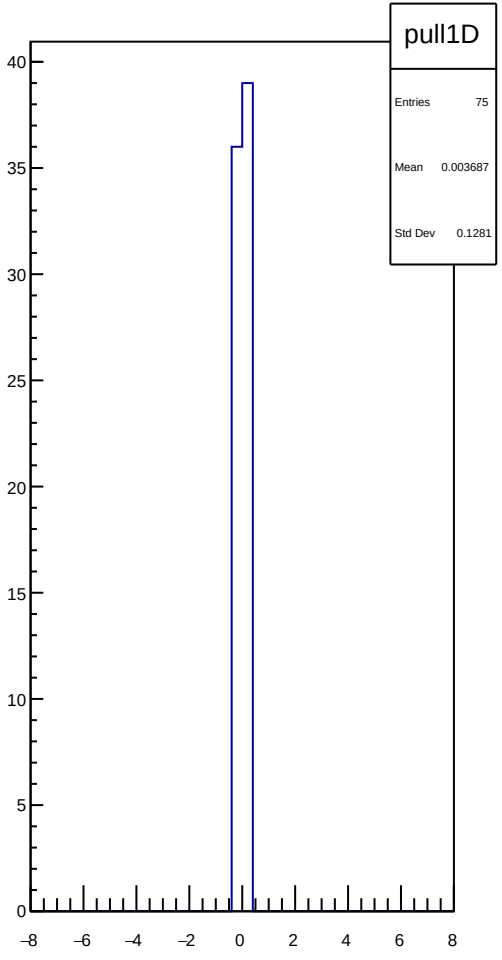

pull1D
Entries 75
Mean −0.000344
Std Dev 0.09603

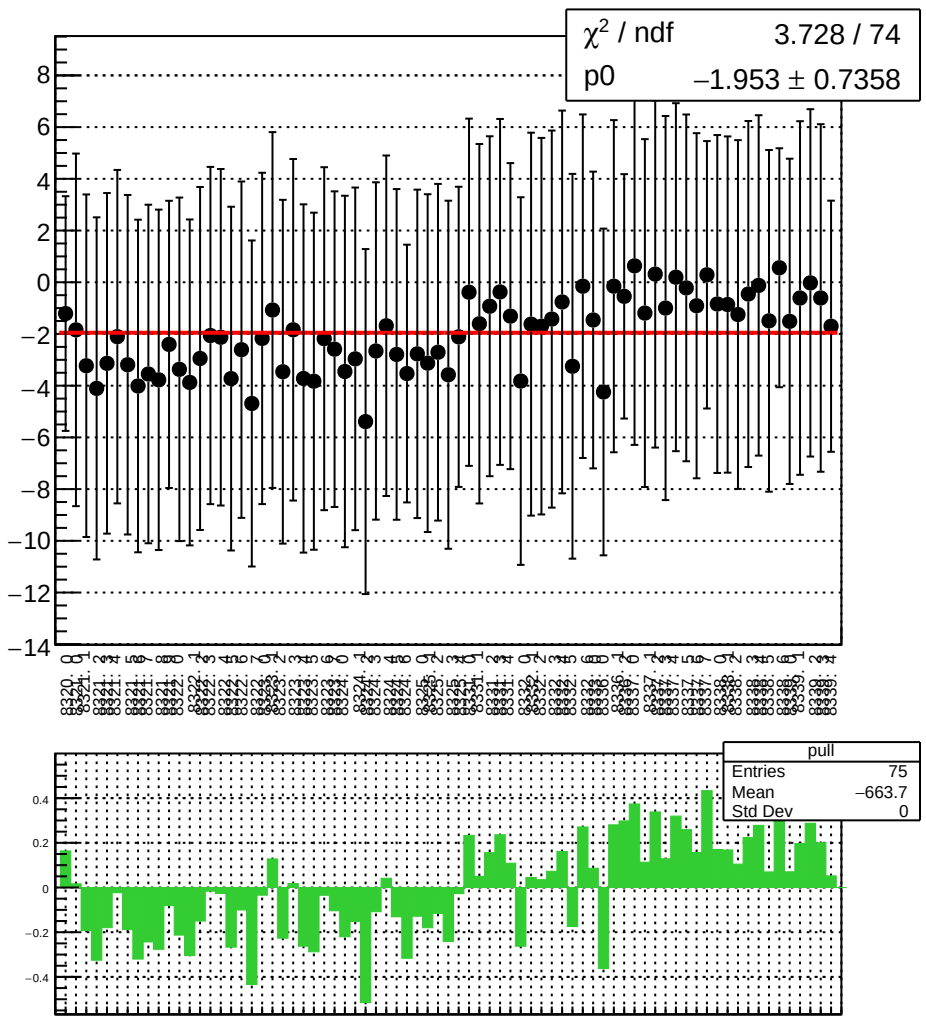

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.143 / 74
p0 −80.58 ± 2.247
pull
Entries 75
Mean −225.3
Std Dev 0

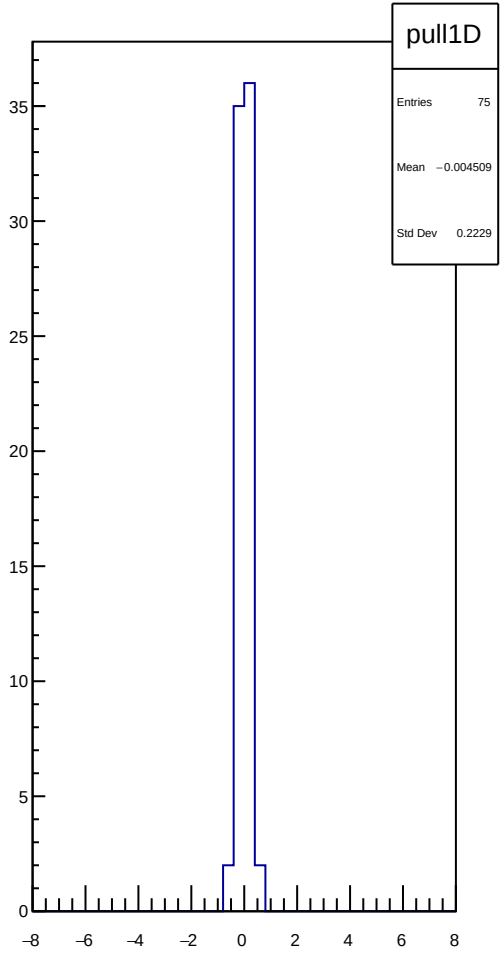

pull1D
Entries 75
Mean 0.003801
Std Dev 0.1234

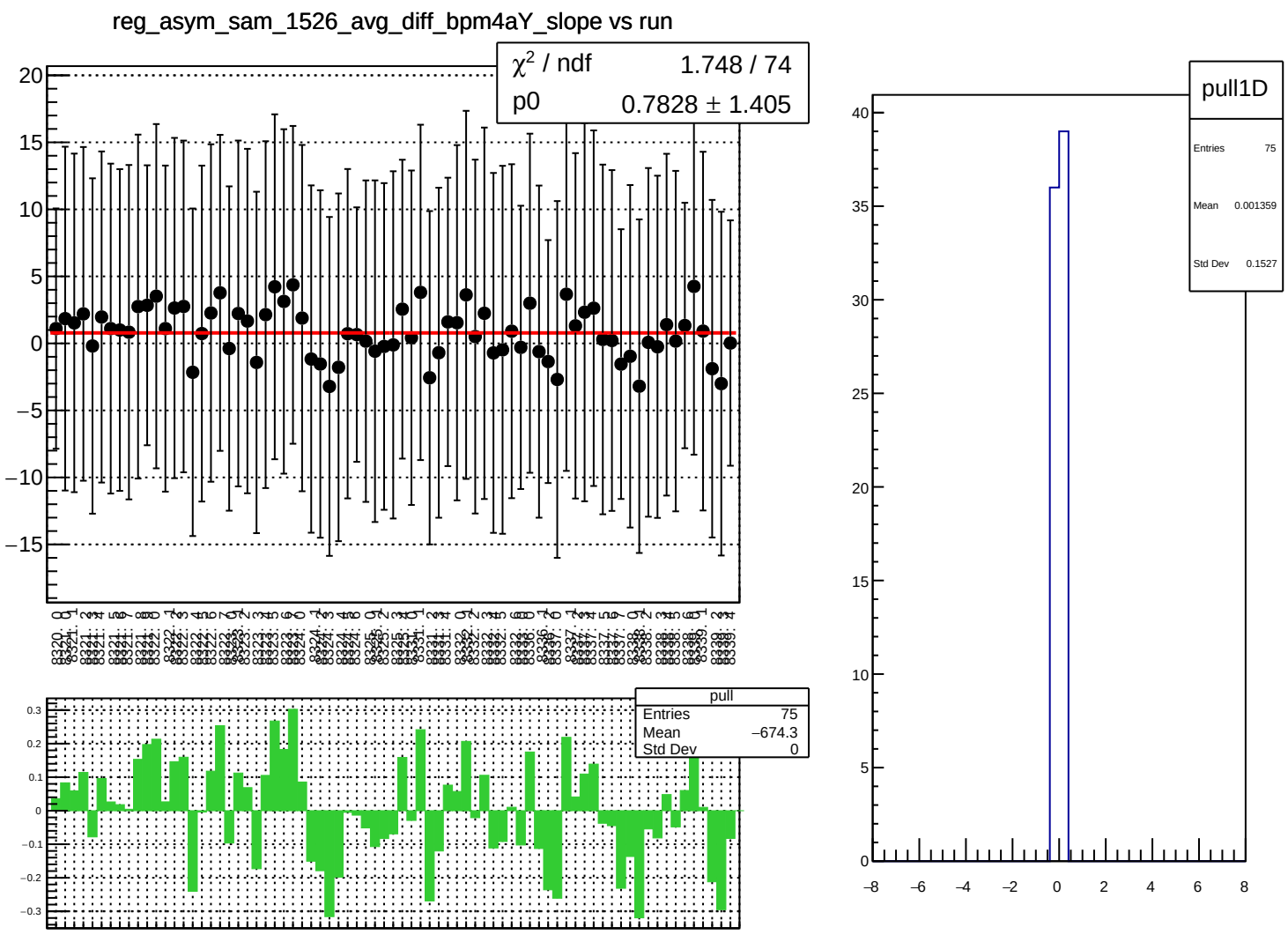

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.7551 / 74
p0 29.9 ± 3.916
pull
Entries 75
Mean 88.88
Std Dev 0
pull1D
Entries 75
Mean 0.001128
Std Dev 0.1003

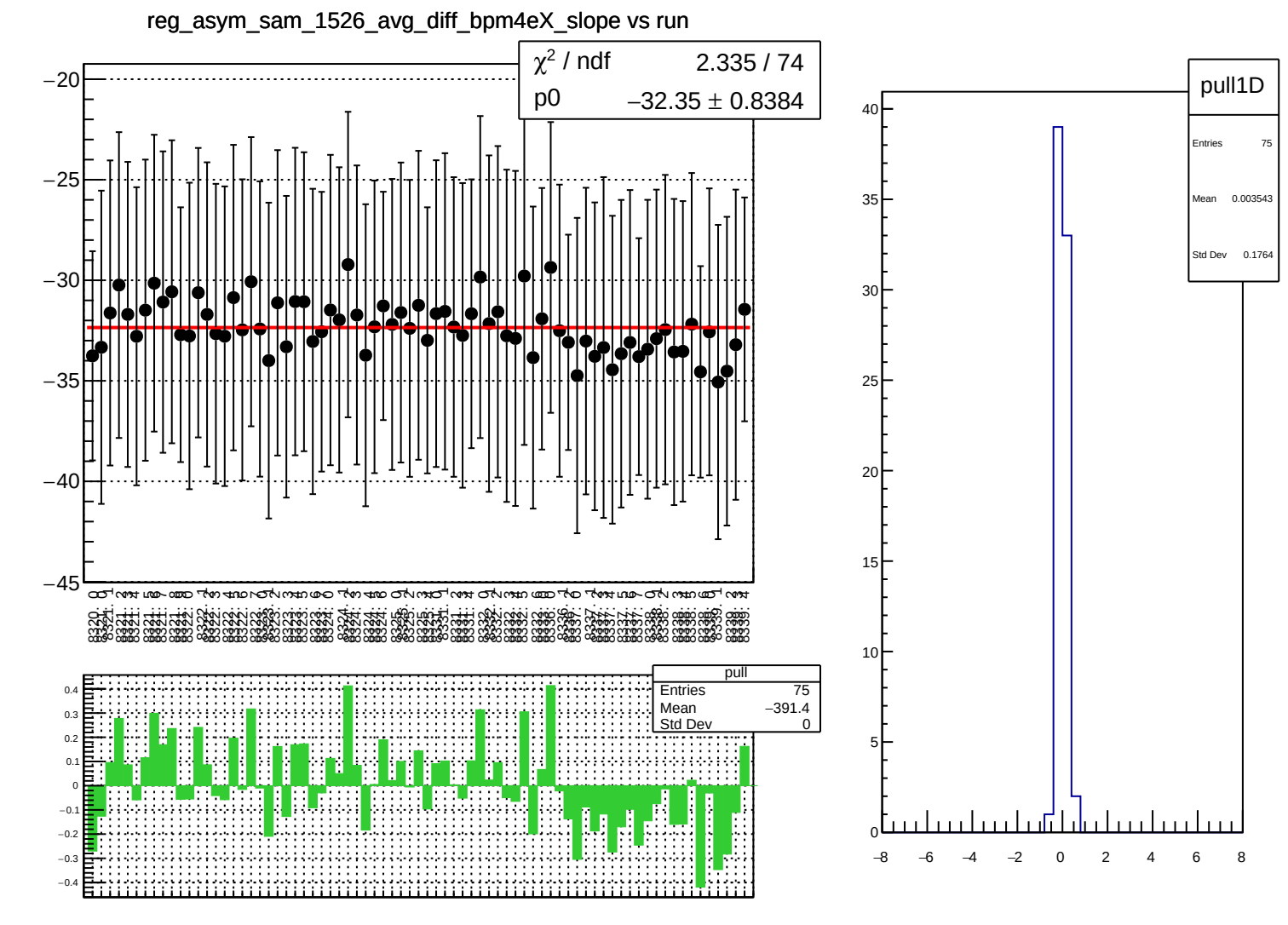

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 1.232 / 74
p0 1.64 ± 0.2186
pull
Entries 75
Mean −92.97
Std Dev 0

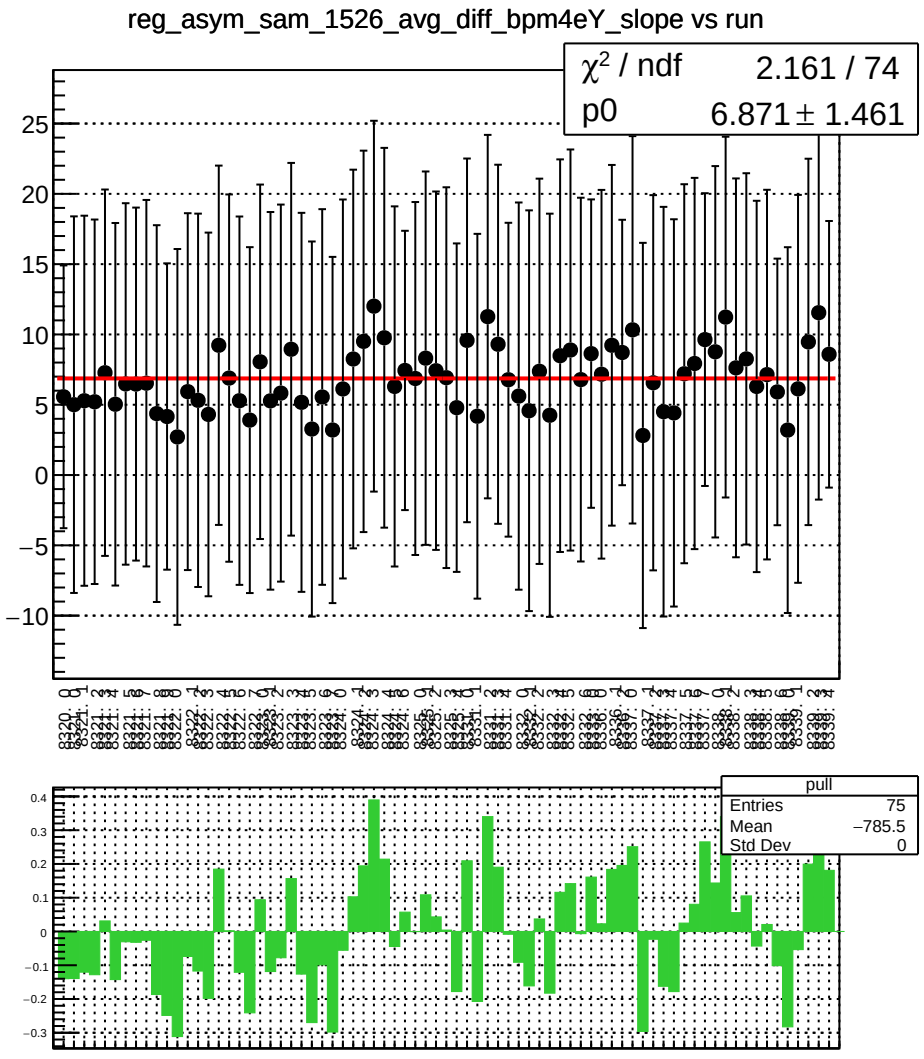

pull1D
Entries 75
Mean 0.003687
Std Dev 0.1281

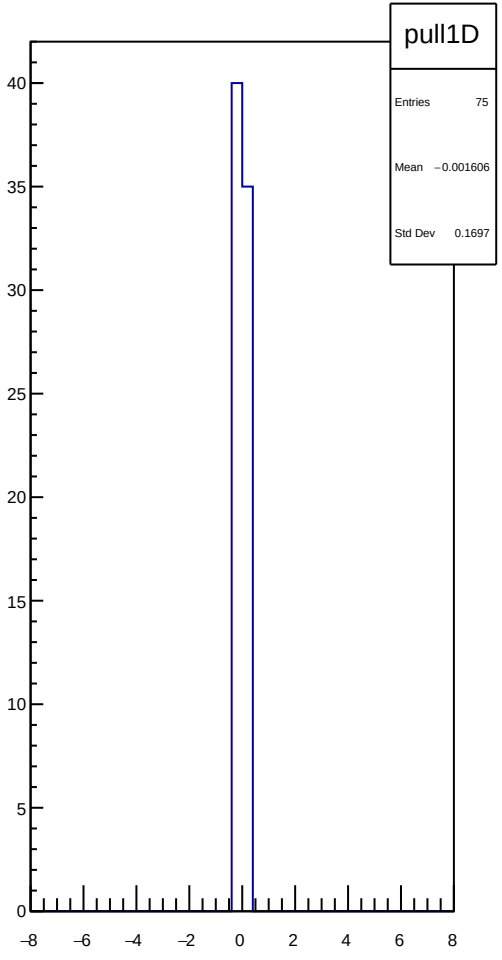

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 3.728 / 74
p0 −1.953 ± 0.7358
pull
Entries 75
Mean −663.7
Std Dev 0

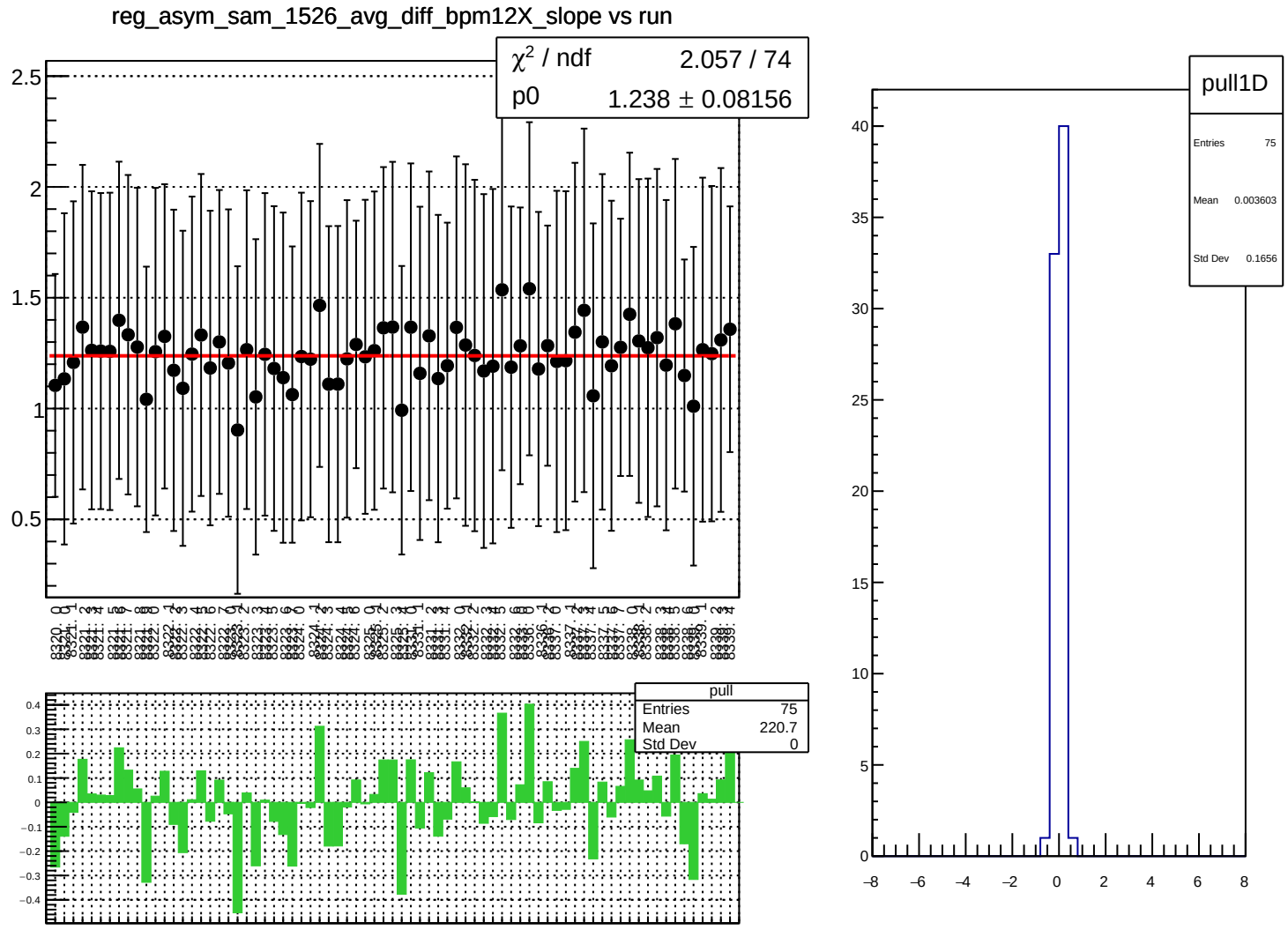

pull1D
Entries 75
Mean −0.004509
Std Dev 0.2229

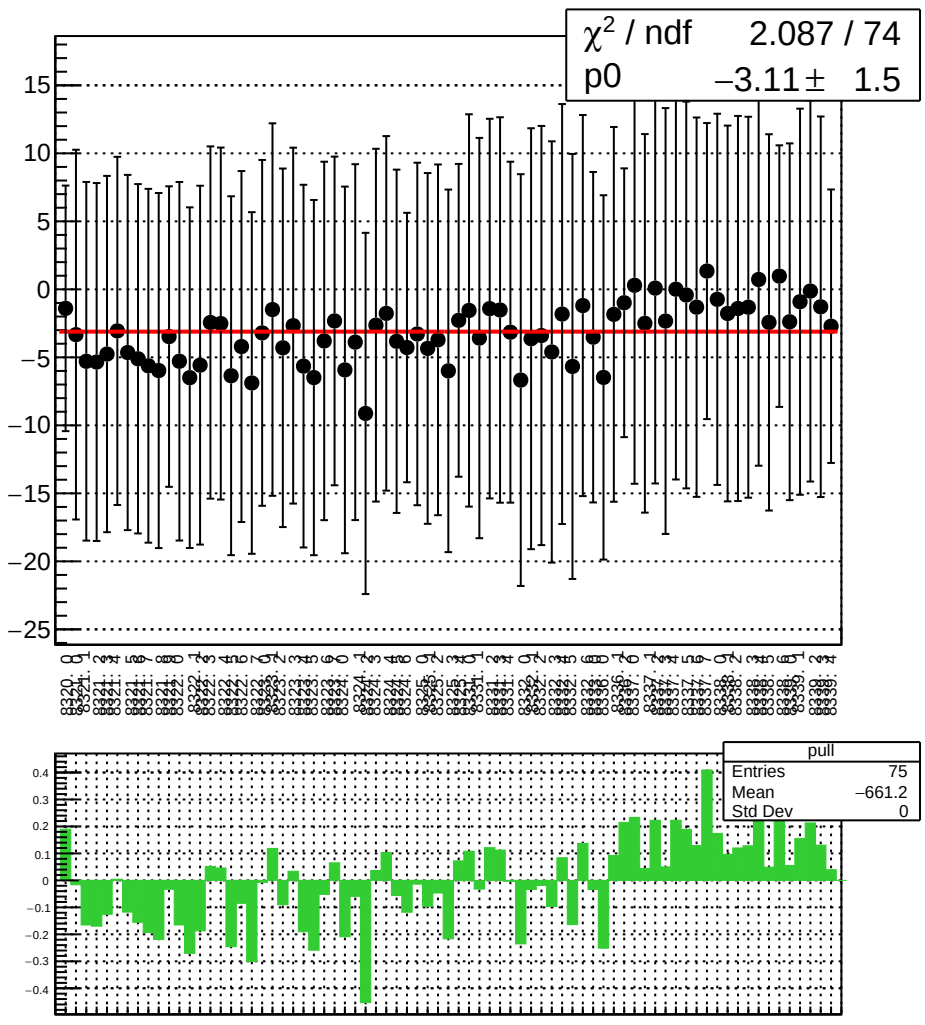

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.748 / 74
p0 0.7828 ± 1.405
pull
Entries 75
Mean −674.3
Std Dev 0
pull1D
Entries 75
Mean 0.001359
Std Dev 0.1527

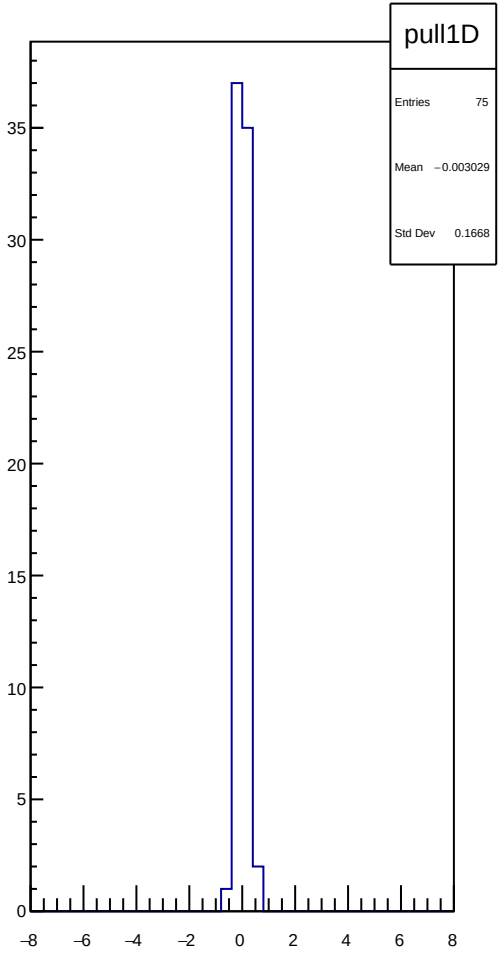

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.335 / 74
p0 −32.35 ± 0.8384
pull
Entries 75
Mean −391.4
Std Dev 0
pull1D
Entries 75
Mean 0.003543
Std Dev 0.1764

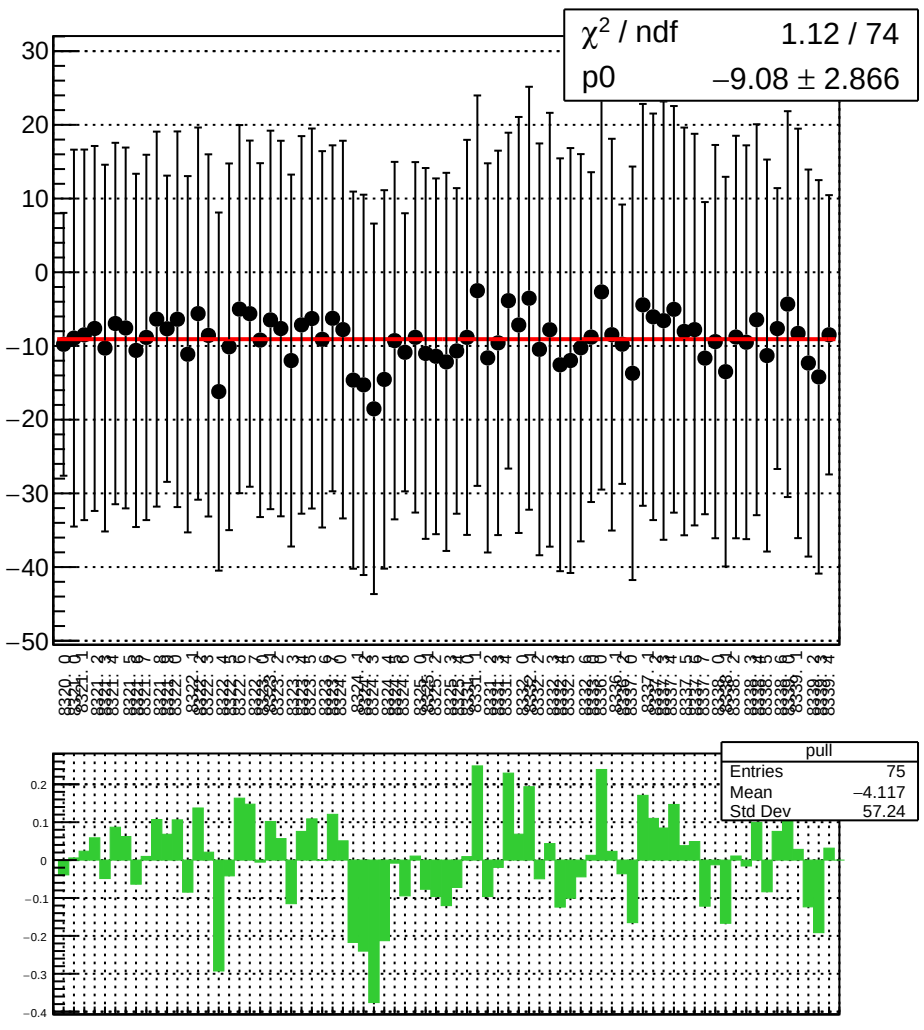

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.161 / 74
p0 6.871 ± 1.461
pull
Entries 75
Mean −785.5
Std Dev 0

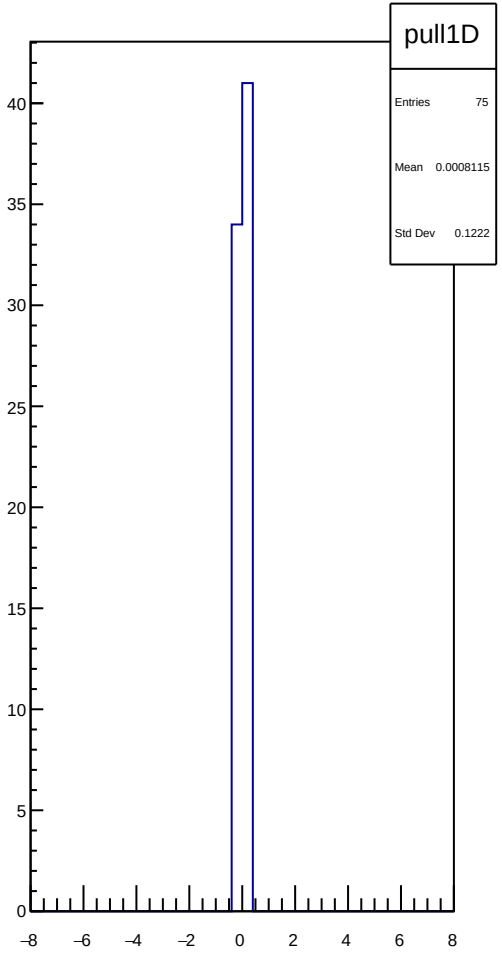

pull1D
Entries 75
Mean −0.001606
Std Dev 0.1697

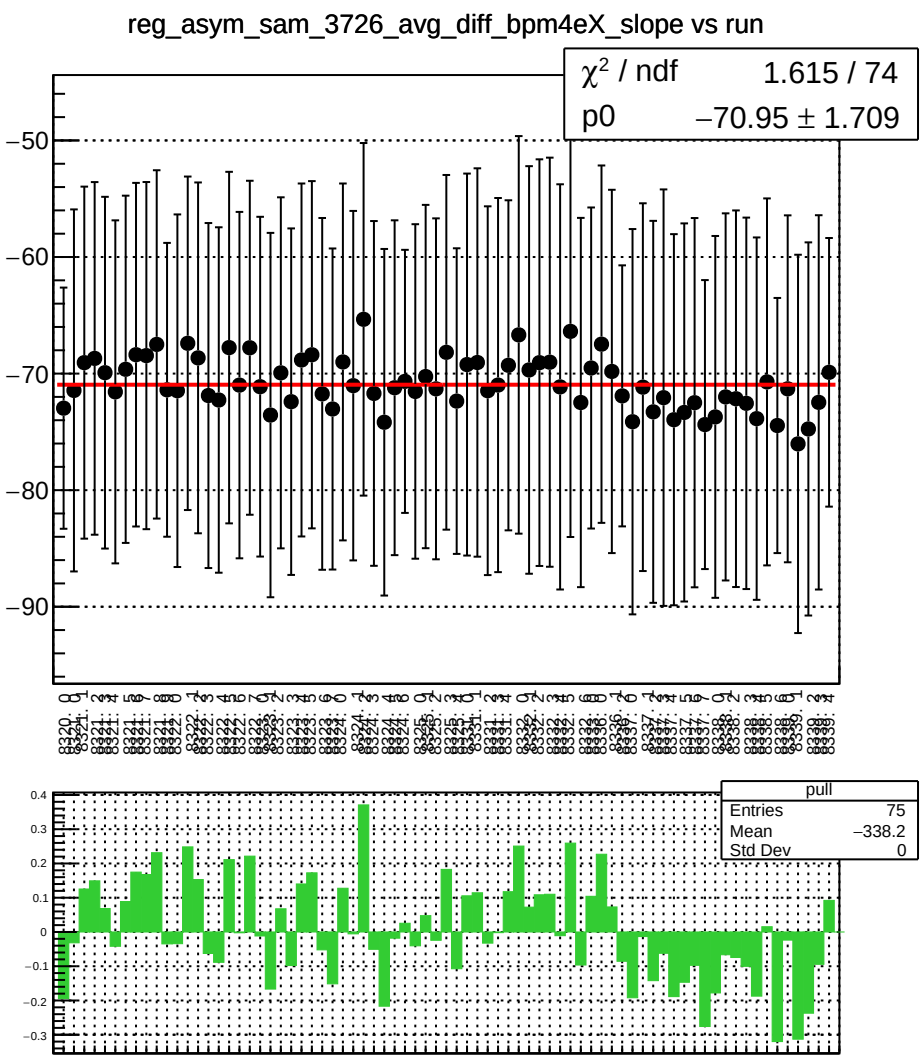

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 2.057 / 74
p0 1.238 ± 0.08156
pull
Entries 75
Mean 220.7
Std Dev 0
pull1D
Entries 75
Mean 0.003603
Std Dev 0.1656

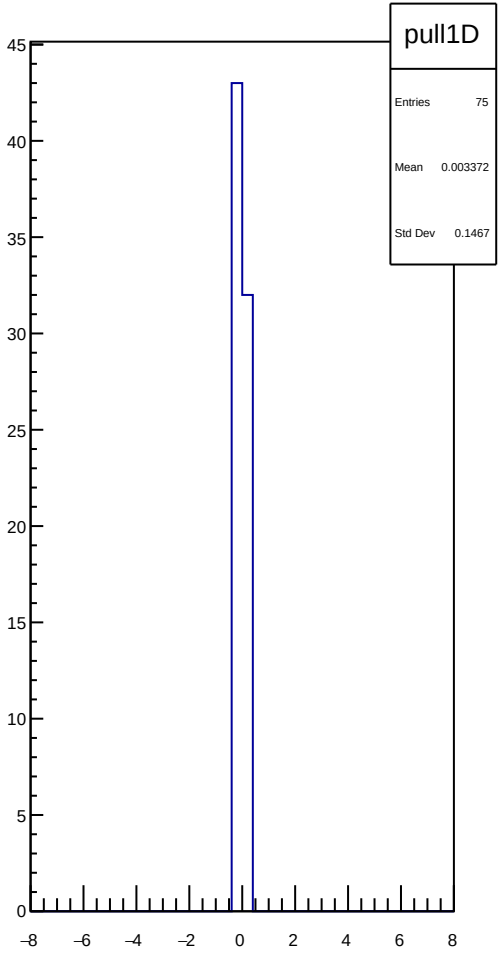

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 2.087 / 74
p0 −3.11 ± 1.5
pull
Entries 75
Mean −661.2
Std Dev 0

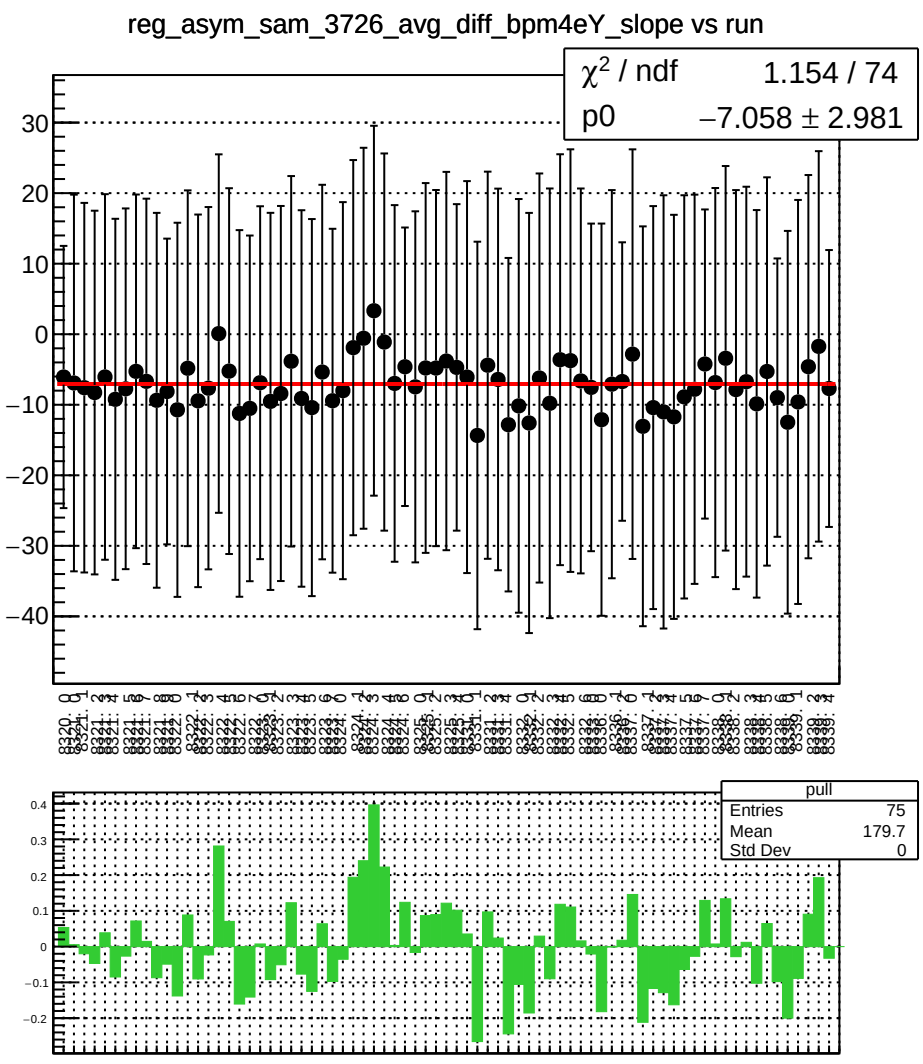

pull1D
Entries 75
Mean −0.003029
Std Dev 0.1668

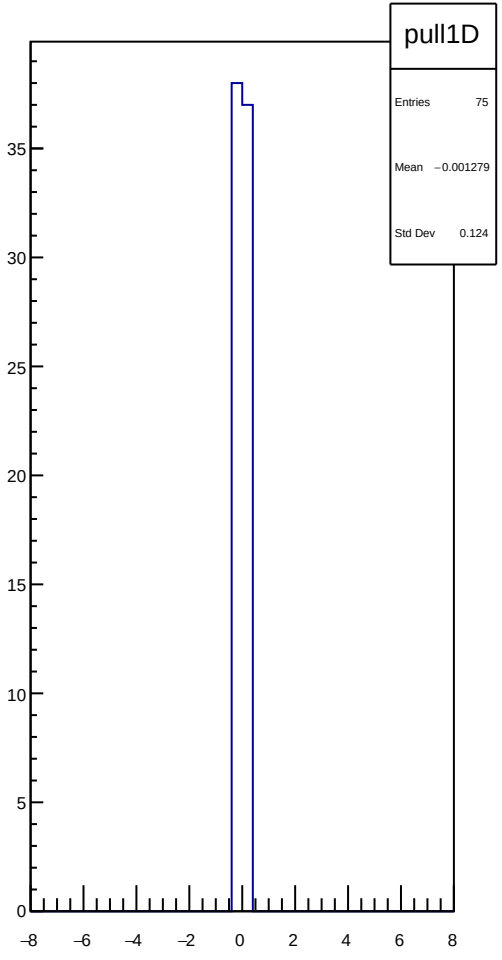

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.12 / 74
p0 −9.08 ± 2.866
pull
Entries 75
Mean −4.117
Std Dev 57.24

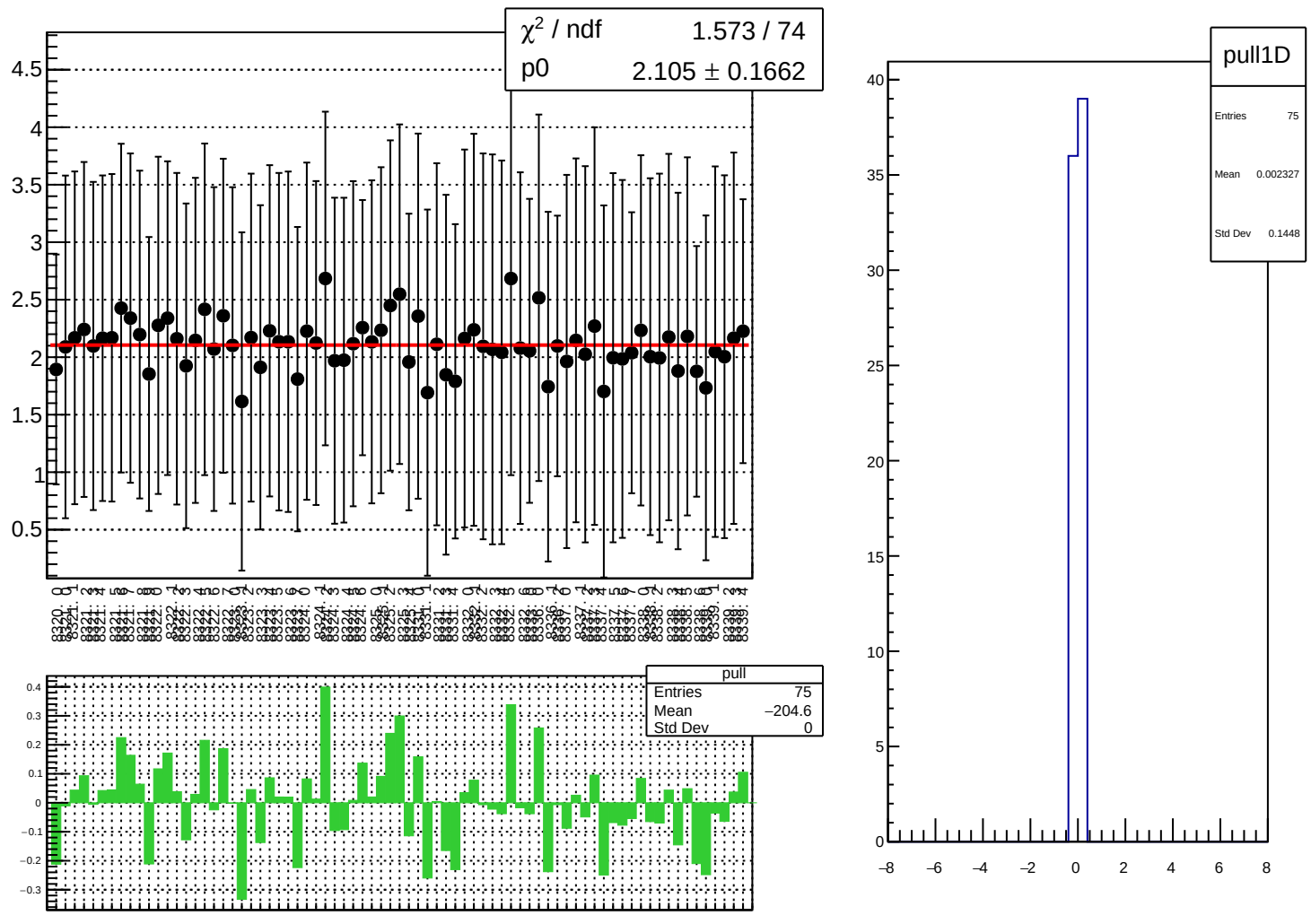

pull1D
Entries 75
Mean 0.0008115
Std Dev 0.1222

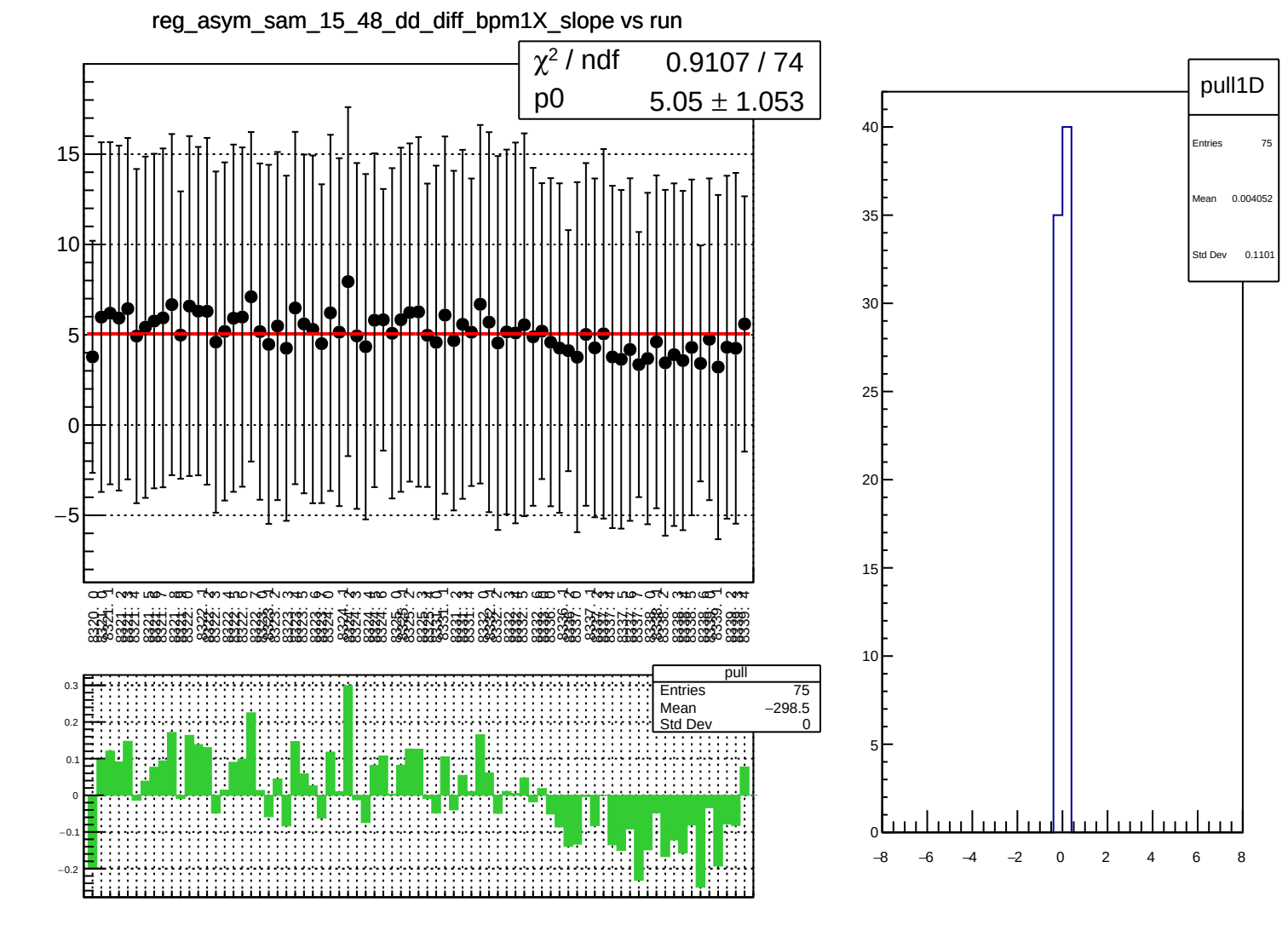

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.615 / 74
p0 −70.95 ± 1.709
pull
Entries 75
Mean −338.2
Std Dev 0

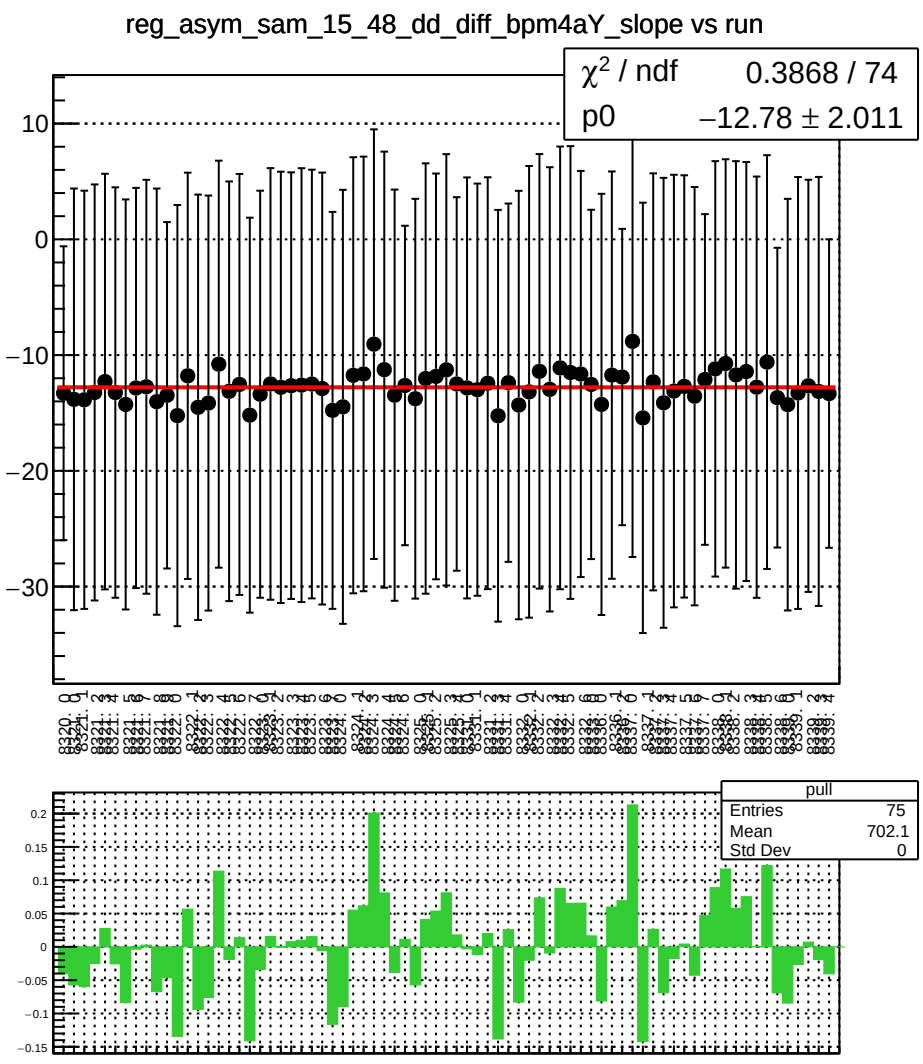

pull1D
Entries 75
Mean 0.003372
Std Dev 0.1467

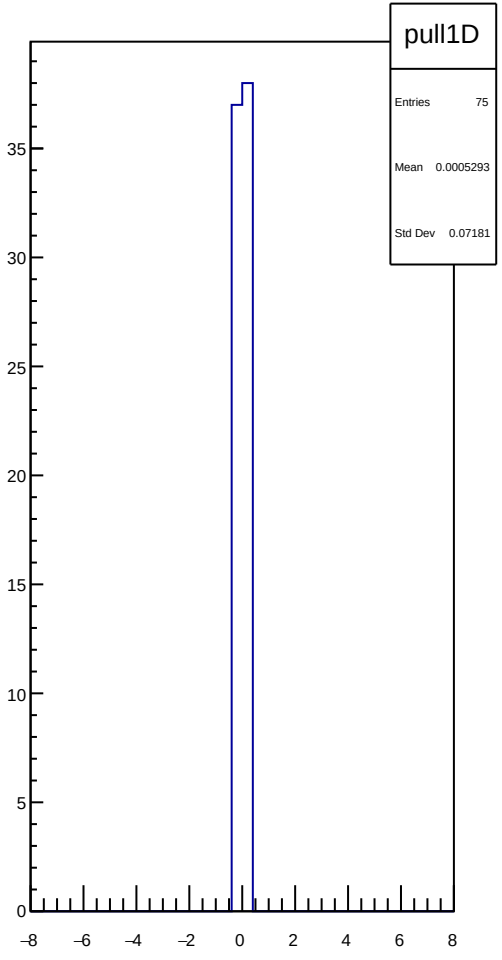

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.154 / 74
p0 −7.058 ± 2.981
pull
Entries 75
Mean 179.7
Std Dev 0

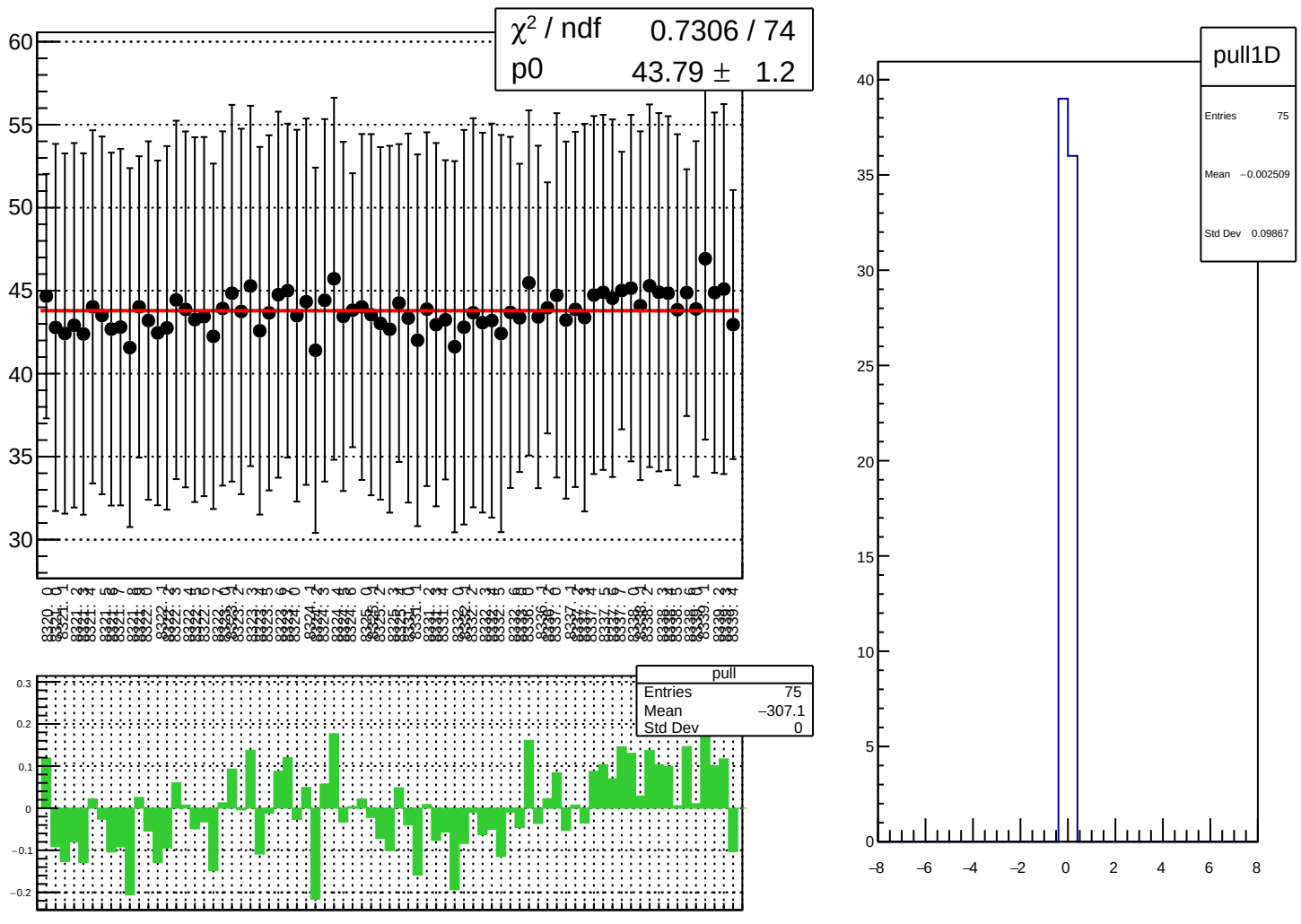

pull1D
Entries 75
Mean −0.001279
Std Dev 0.124

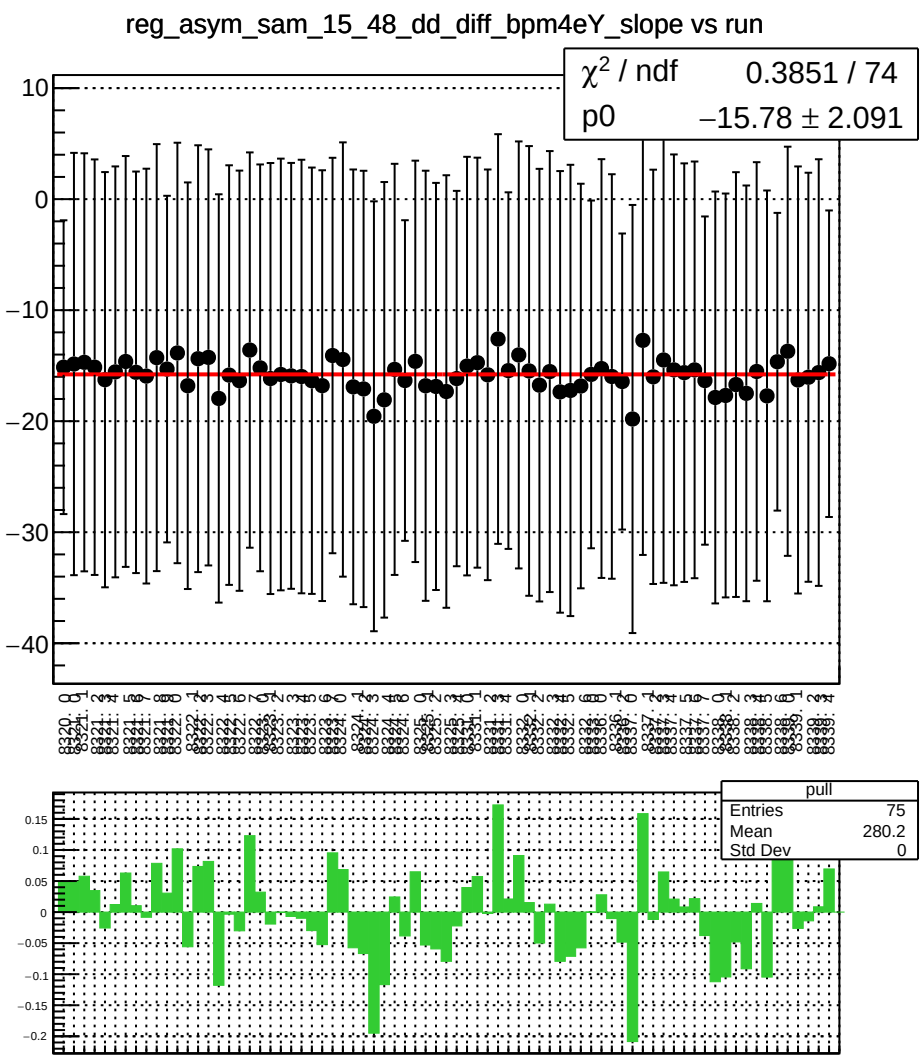

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.573 / 74
p0 2.105 ± 0.1662
pull
Entries 75
Mean −204.6
Std Dev 0
pull1D
Entries 75
Mean 0.002327
Std Dev 0.1448

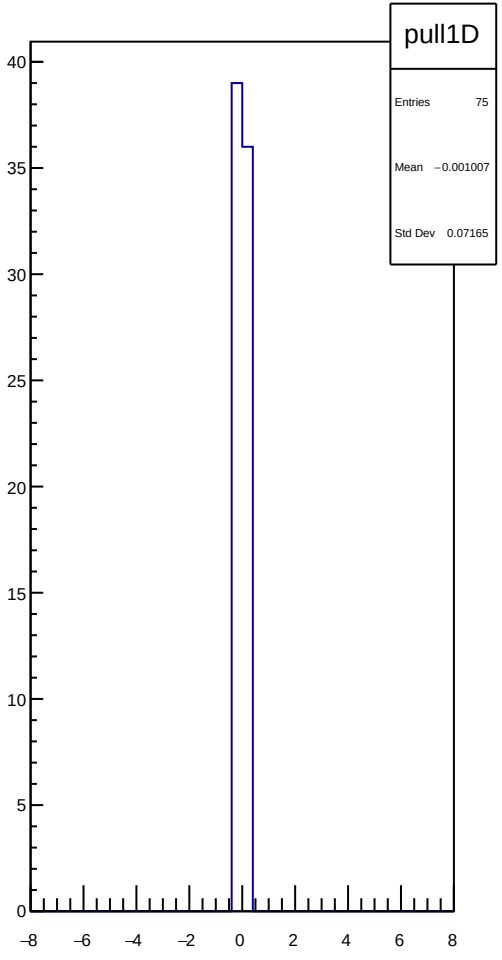

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.9107 / 74
p0 5.05 ± 1.053
pull
Entries 75
Mean −298.5
Std Dev 0
pull1D
Entries 75
Mean 0.004052
Std Dev 0.1101

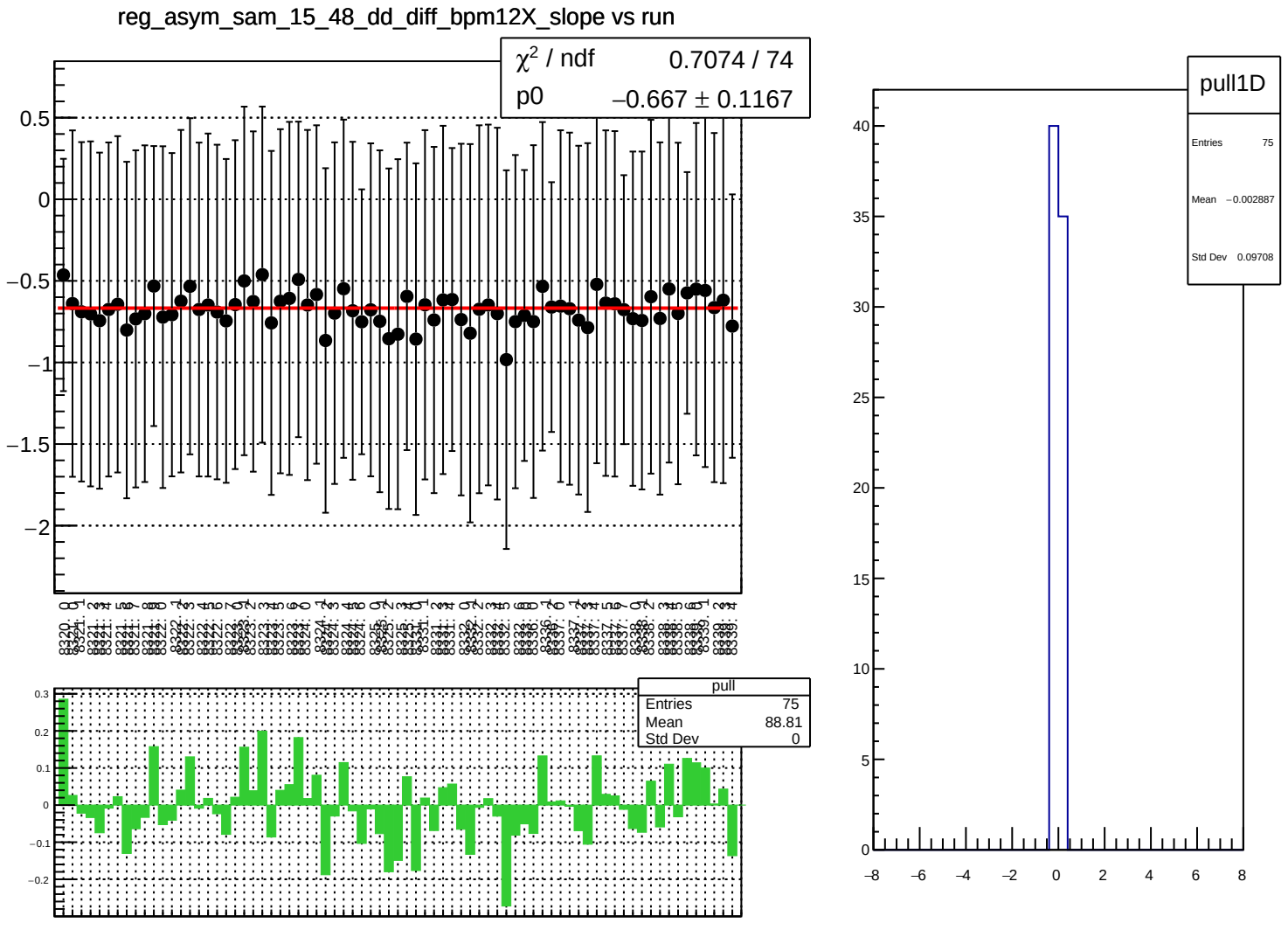

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.3868 / 74
p0 −12.78 ± 2.011
pull
Entries 75
Mean 702.1
Std Dev 0

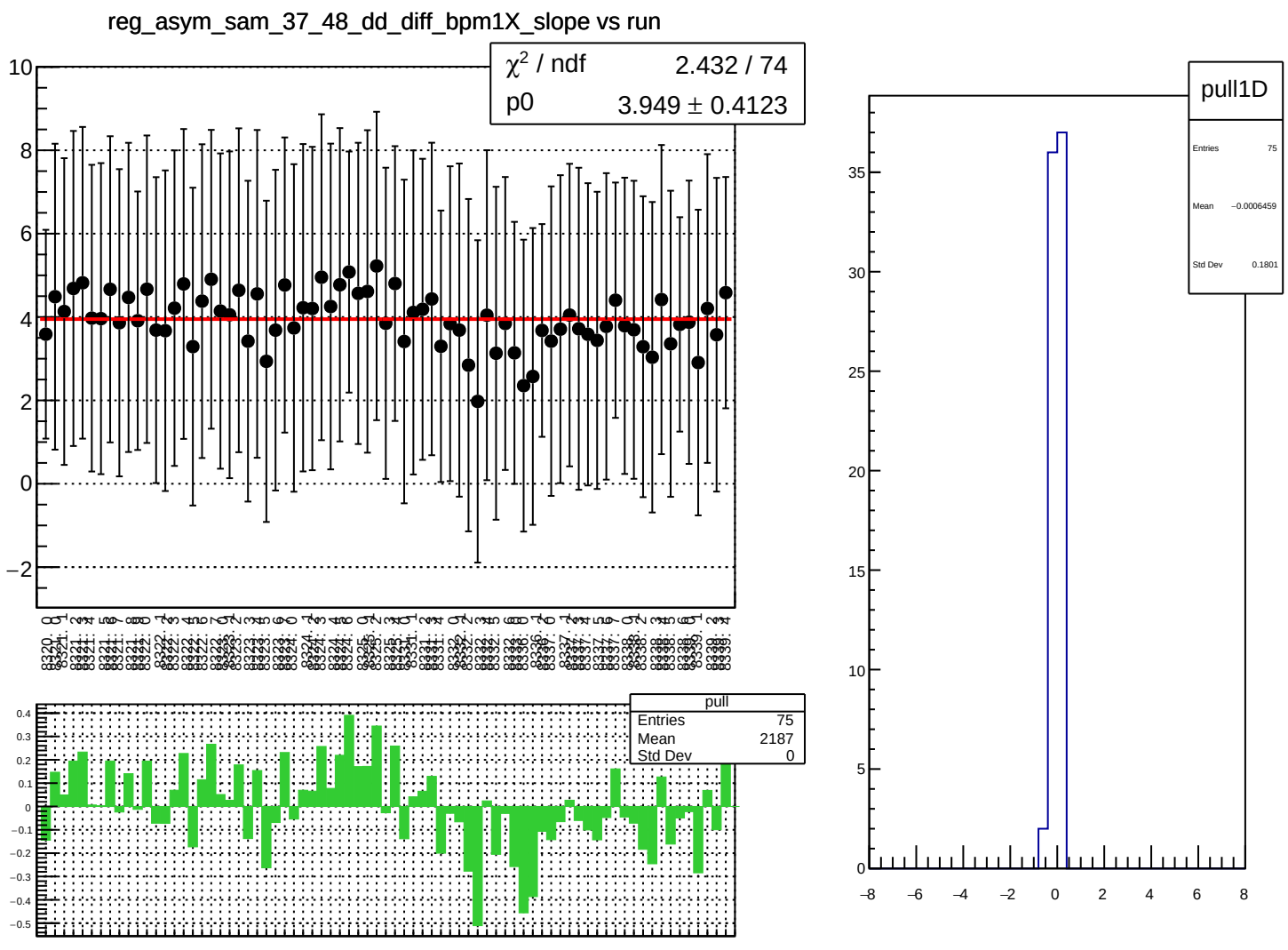

pull1D
Entries 75
Mean 0.0005293
Std Dev 0.07181

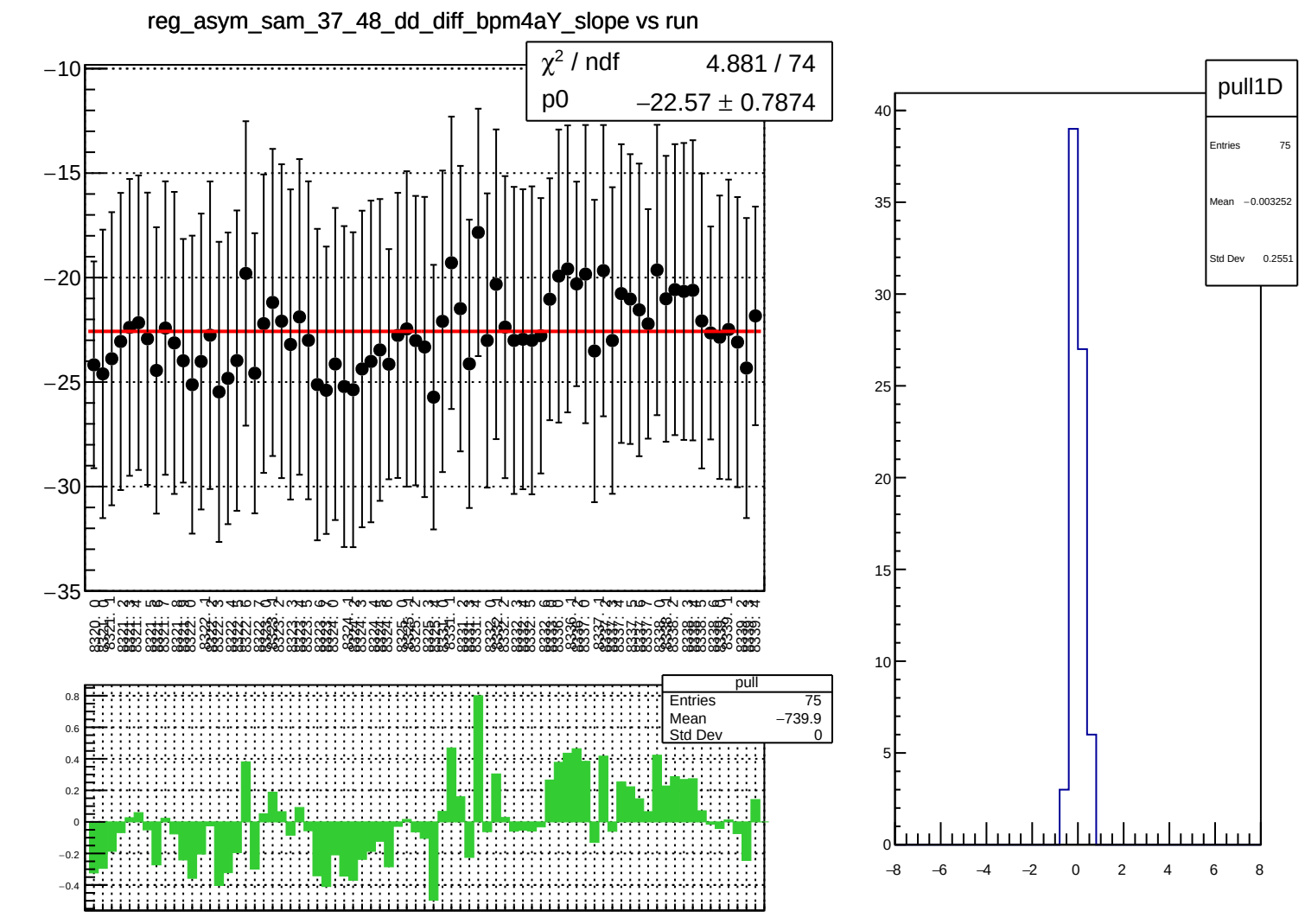

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7306 / 74
p0 43.79 ± 1.2
pull
Entries 75
Mean −307.1
Std Dev 0
pull1D
Entries 75
Mean −0.002509
Std Dev 0.09867

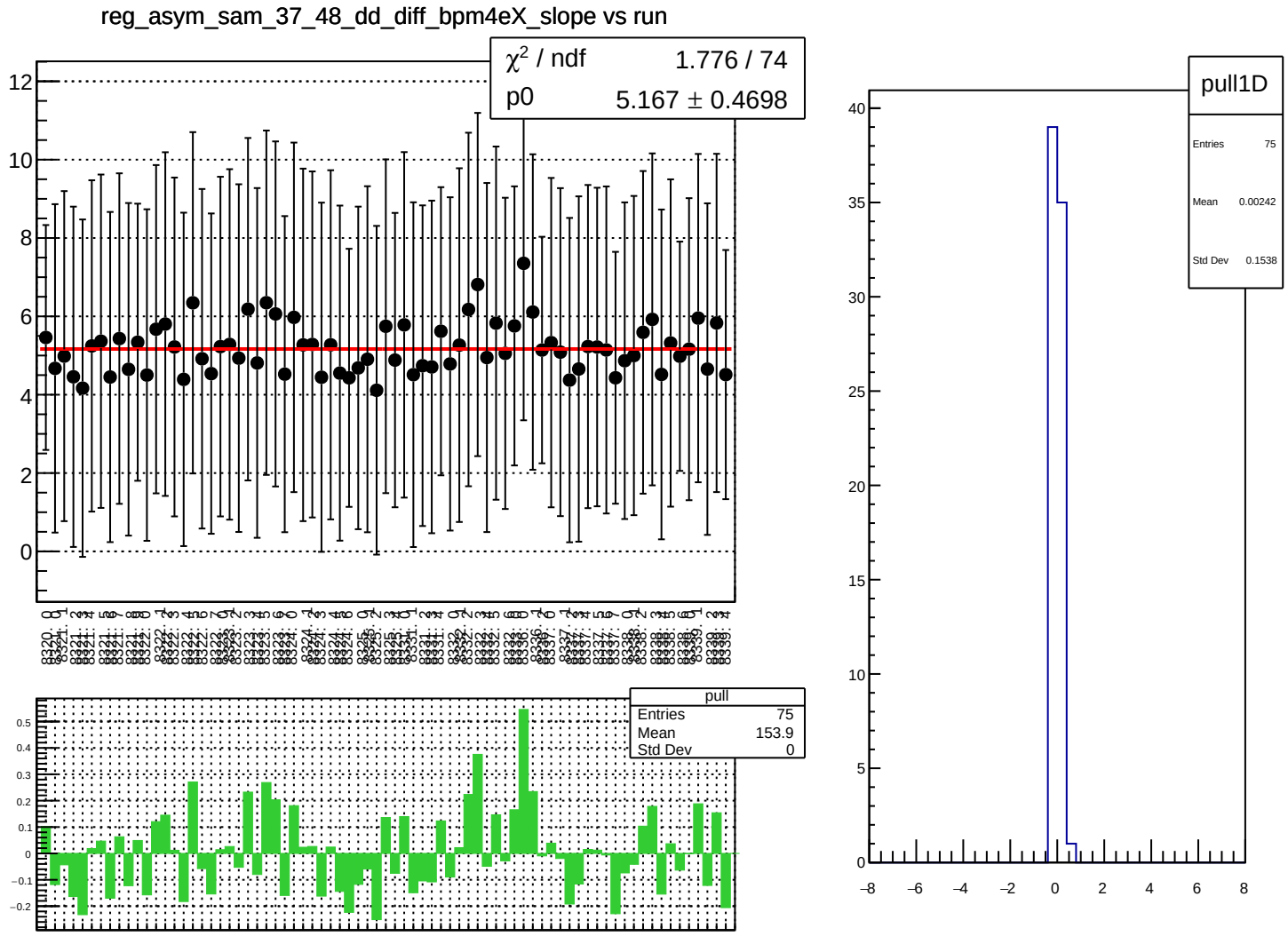

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.3851 / 74
p0 −15.78 ± 2.091
pull
Entries 75
Mean 280.2
Std Dev 0

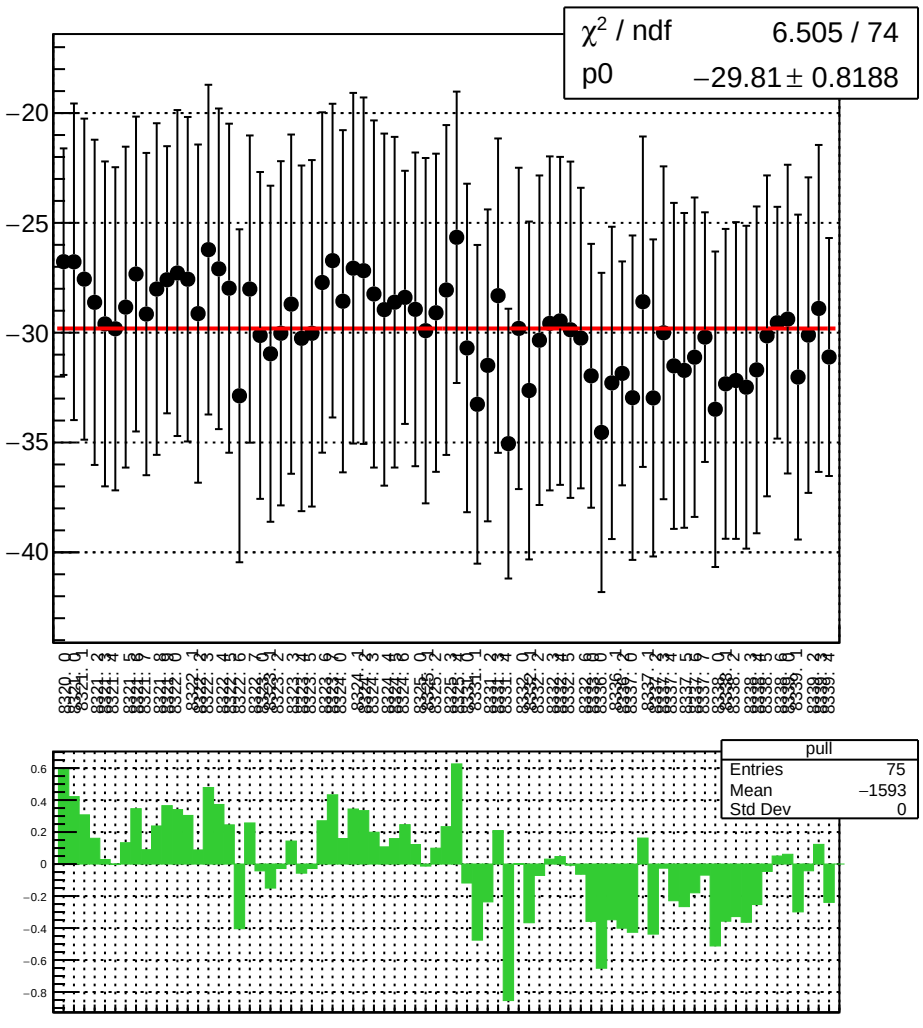

pull1D
Entries 75
Mean −0.001007
Std Dev 0.07165

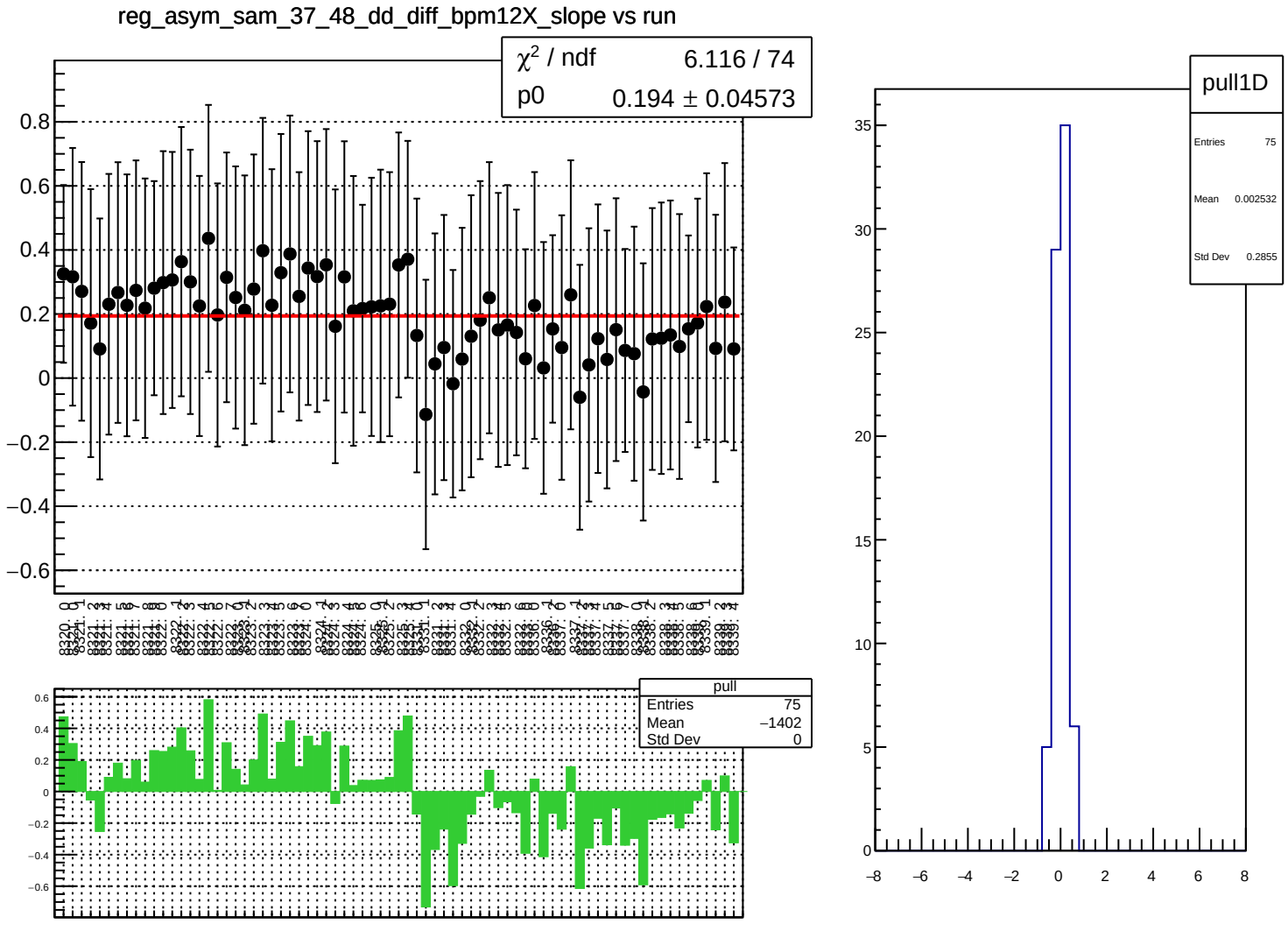

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7074 / 74
p0 −0.667 ± 0.1167
pull
Entries 75
Mean 88.81
Std Dev 0
pull1D
Entries 75
Mean −0.002887
Std Dev 0.09708

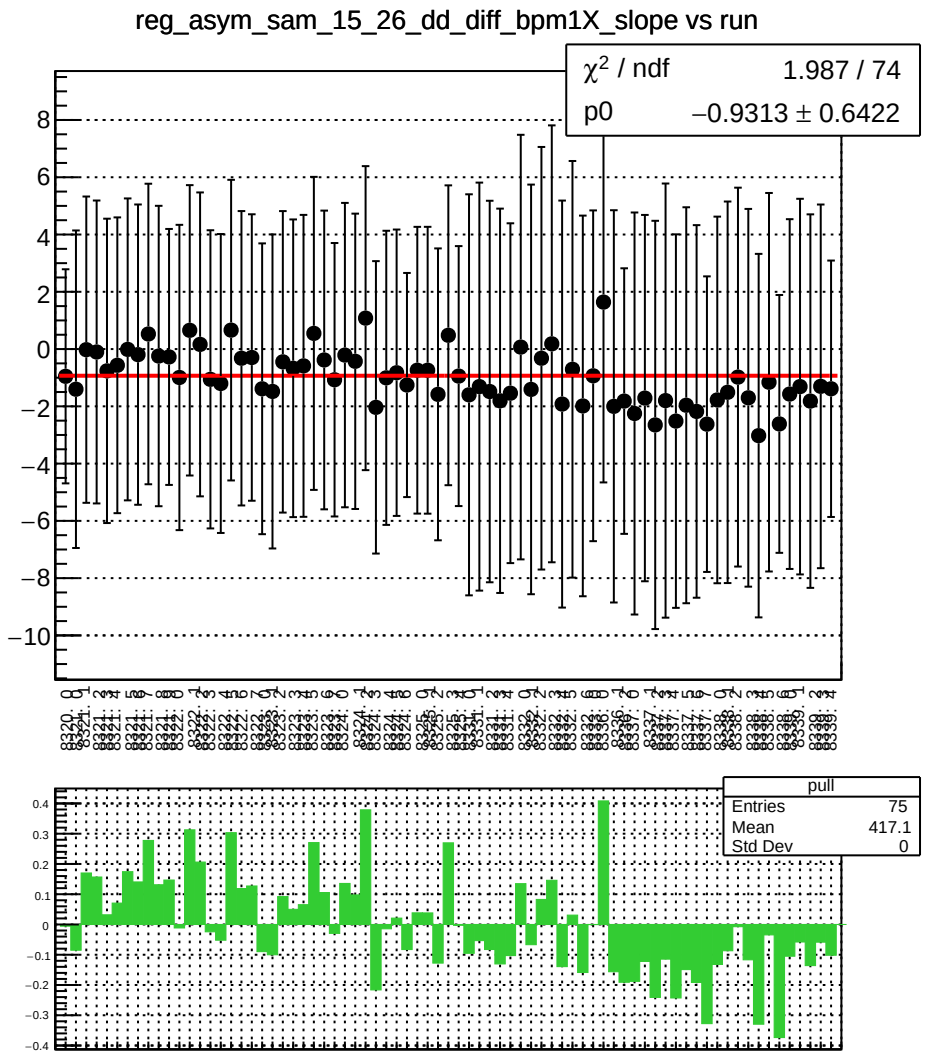

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.432 / 74
p0 3.949 ± 0.4123
pull
Entries 75
Mean 2187
Std Dev 0
pull1D
Entries 75
Mean −0.0006459
Std Dev 0.1801

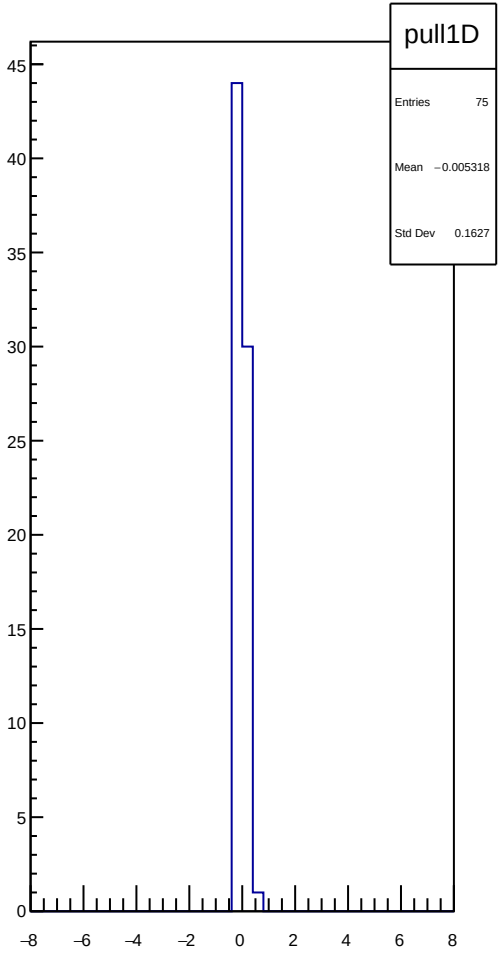

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.881 / 74
p0 −22.57 ± 0.7874
pull
Entries 75
Mean −739.9
Std Dev 0
pull1D
Entries 75
Mean −0.003252
Std Dev 0.2551

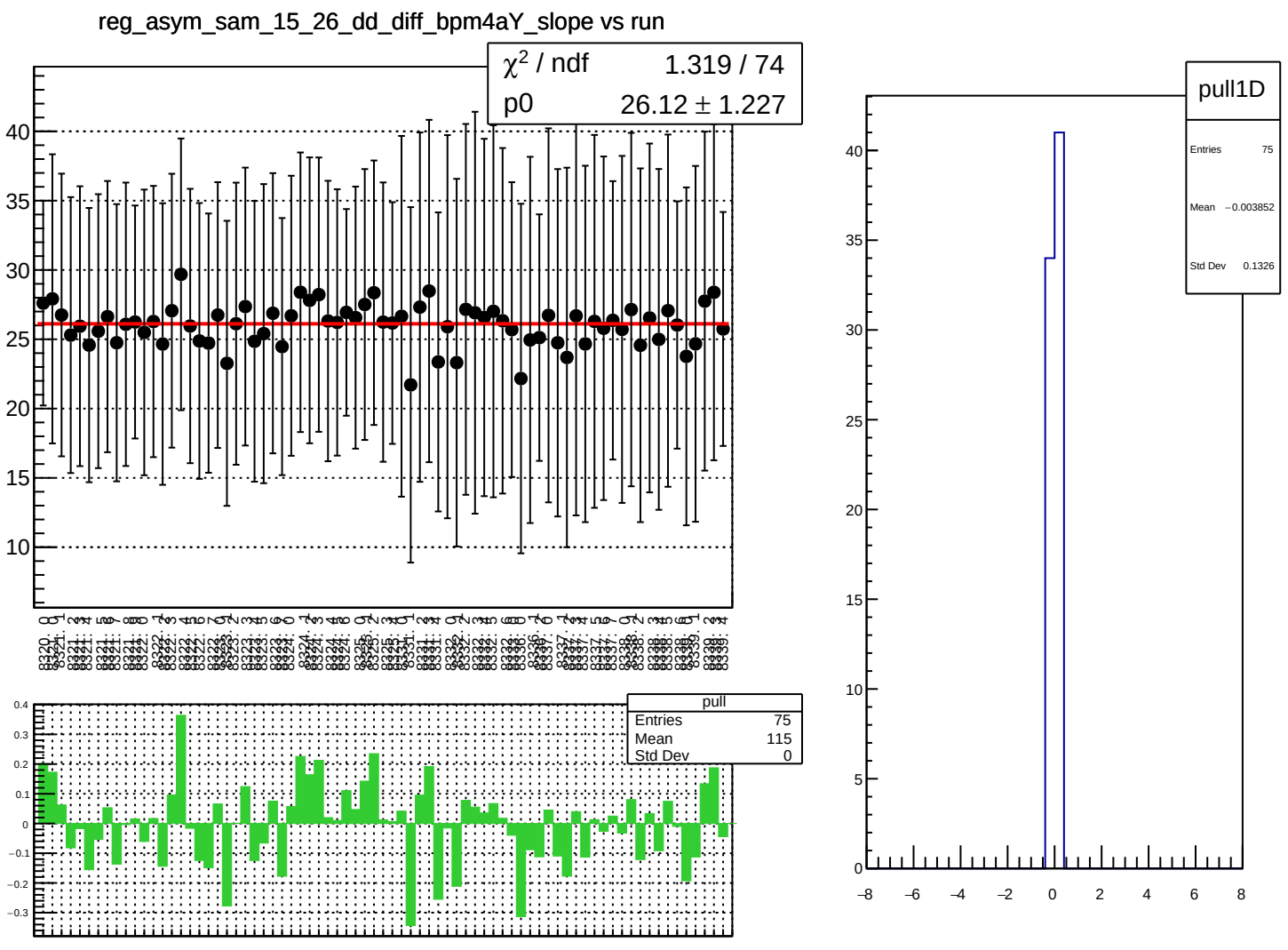

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.776 / 74
p0 5.167 ± 0.4698
pull
Entries 75
Mean 153.9
Std Dev 0
pull1D
Entries 75
Mean 0.00242
Std Dev 0.1538

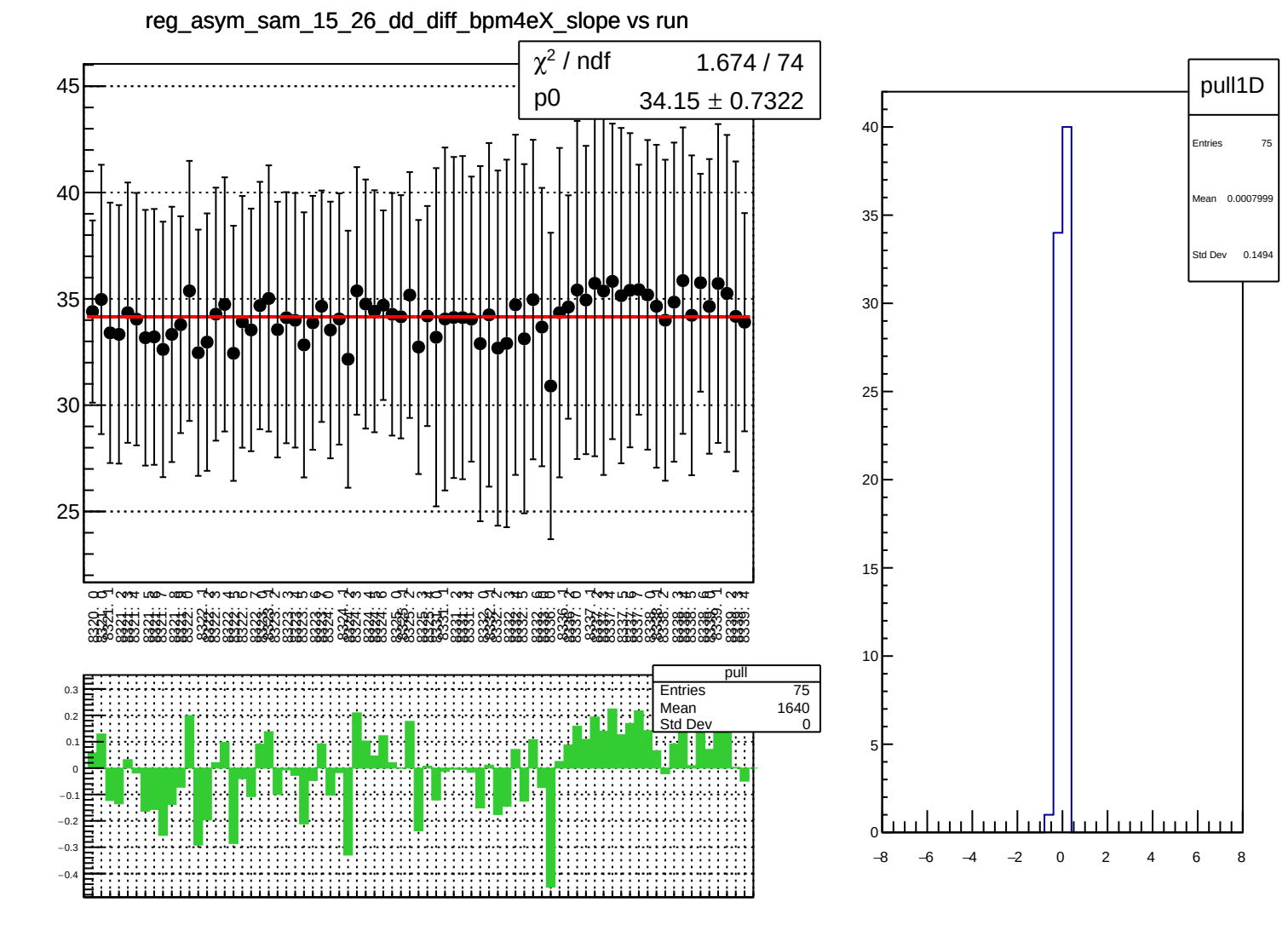

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.505 / 74
p0 −29.81 ± 0.8188
pull
Entries 75
Mean −1593
Std Dev 0
pull1D
Entries 75
Mean 0.00226
Std Dev 0.2945

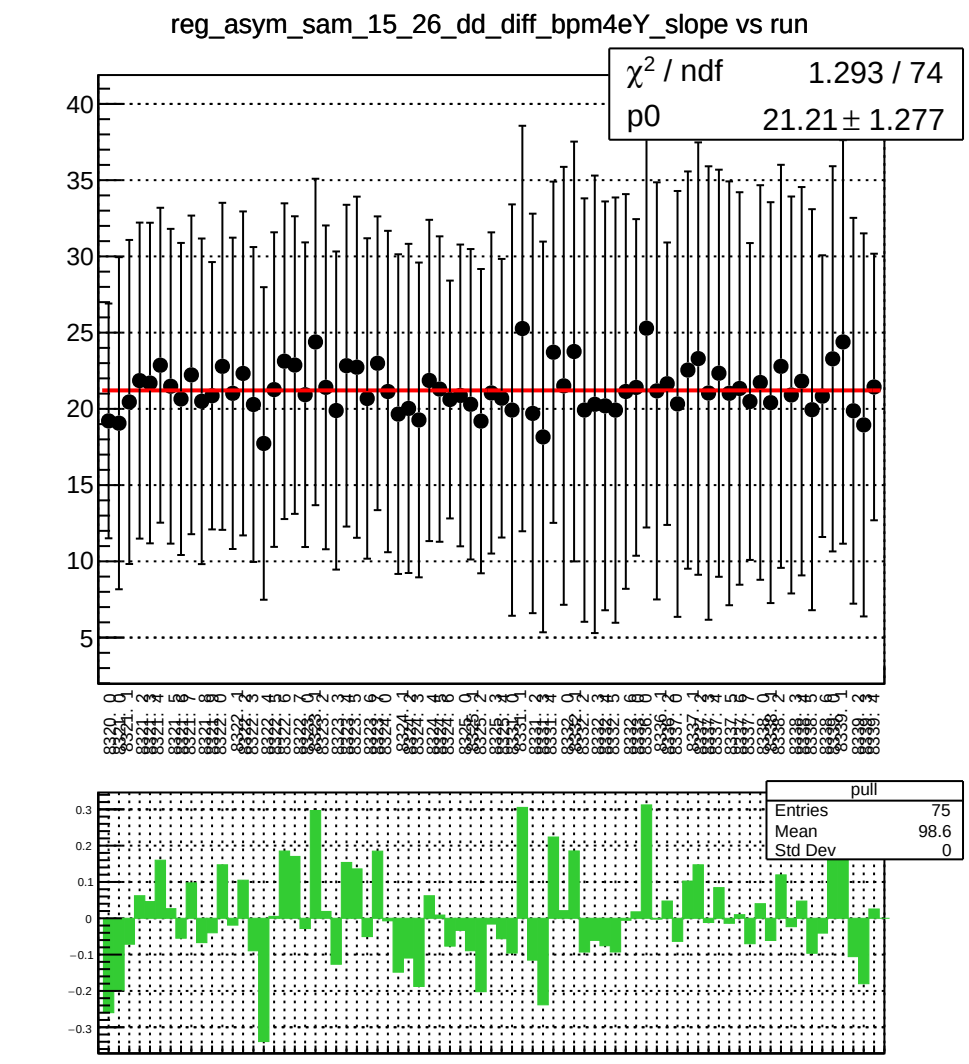

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 6.116 / 74
p0 0.194 ± 0.04573
pull
Entries 75
Mean −1402
Std Dev 0
pull1D
Entries 75
Mean 0.002532
Std Dev 0.2855

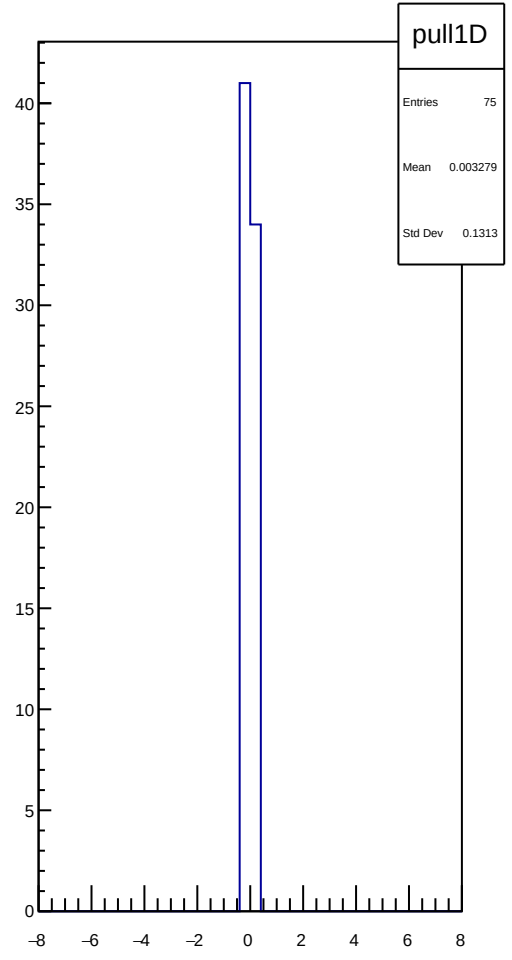

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.987 / 74
p0 −0.9313 ± 0.6422
pull
Entries 75
Mean 417.1
Std Dev 0

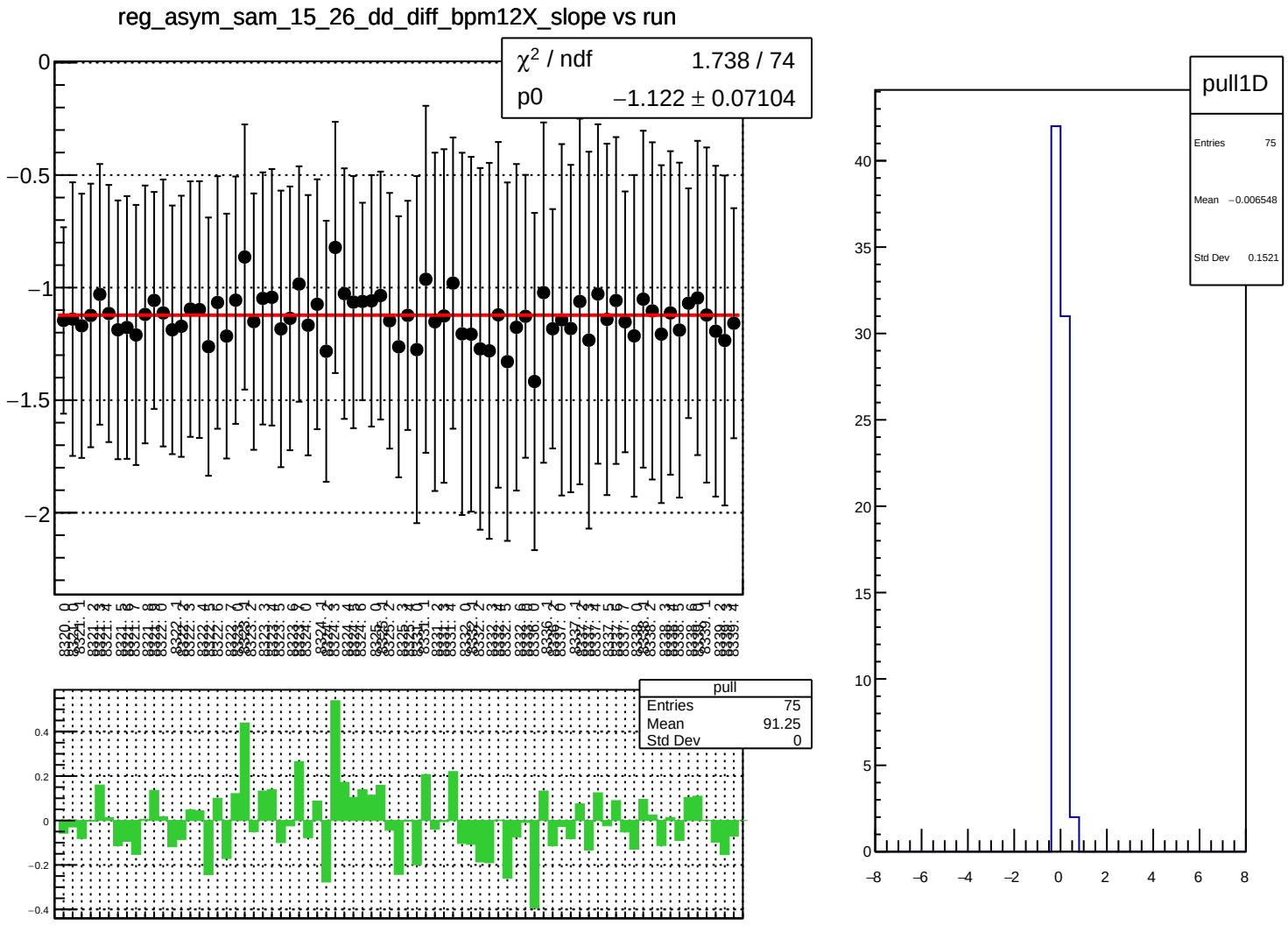

pull1D
Entries 75
Mean −0.005318
Std Dev 0.1627

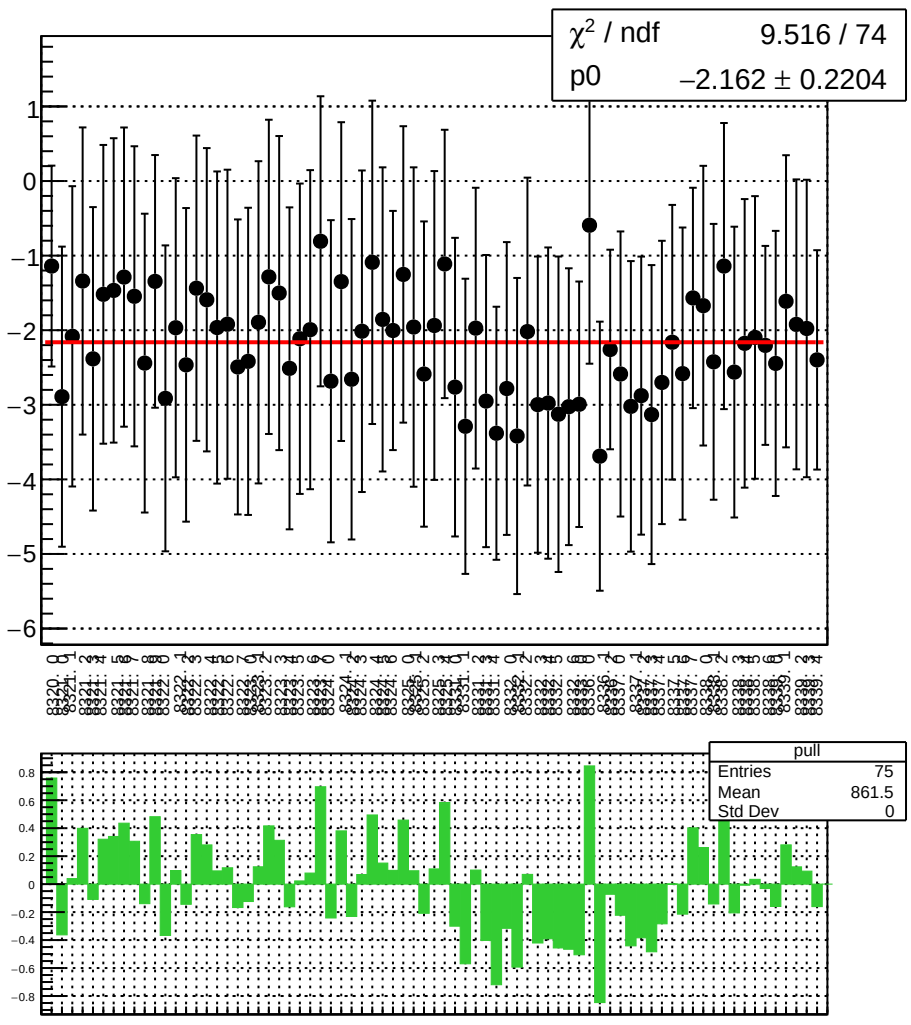

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.319 / 74
p0 26.12 ± 1.227
pull
Entries 75
Mean 115
Std Dev 0
pull1D
Entries 75
Mean −0.003852
Std Dev 0.1326

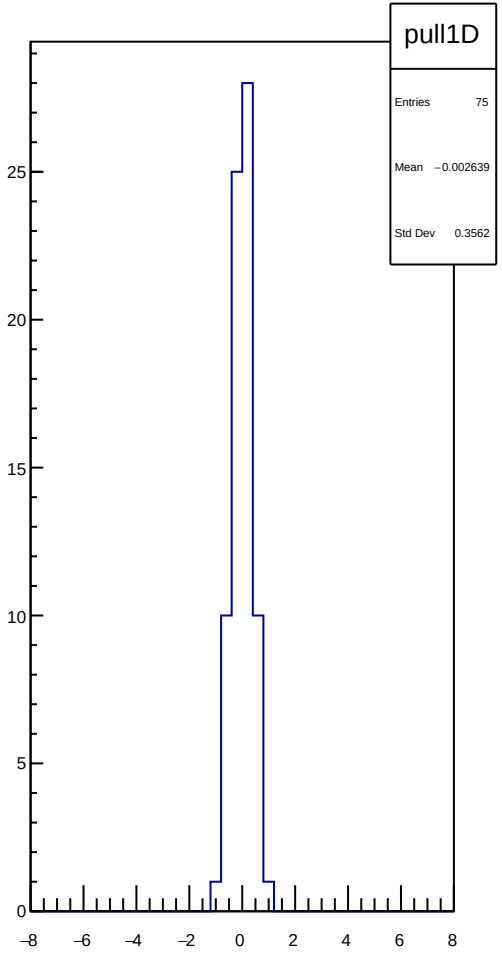

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.674 / 74
p0 34.15 ± 0.7322
pull
Entries 75
Mean 1640
Std Dev 0
pull1D
Entries 75
Mean 0.0007999
Std Dev 0.1494

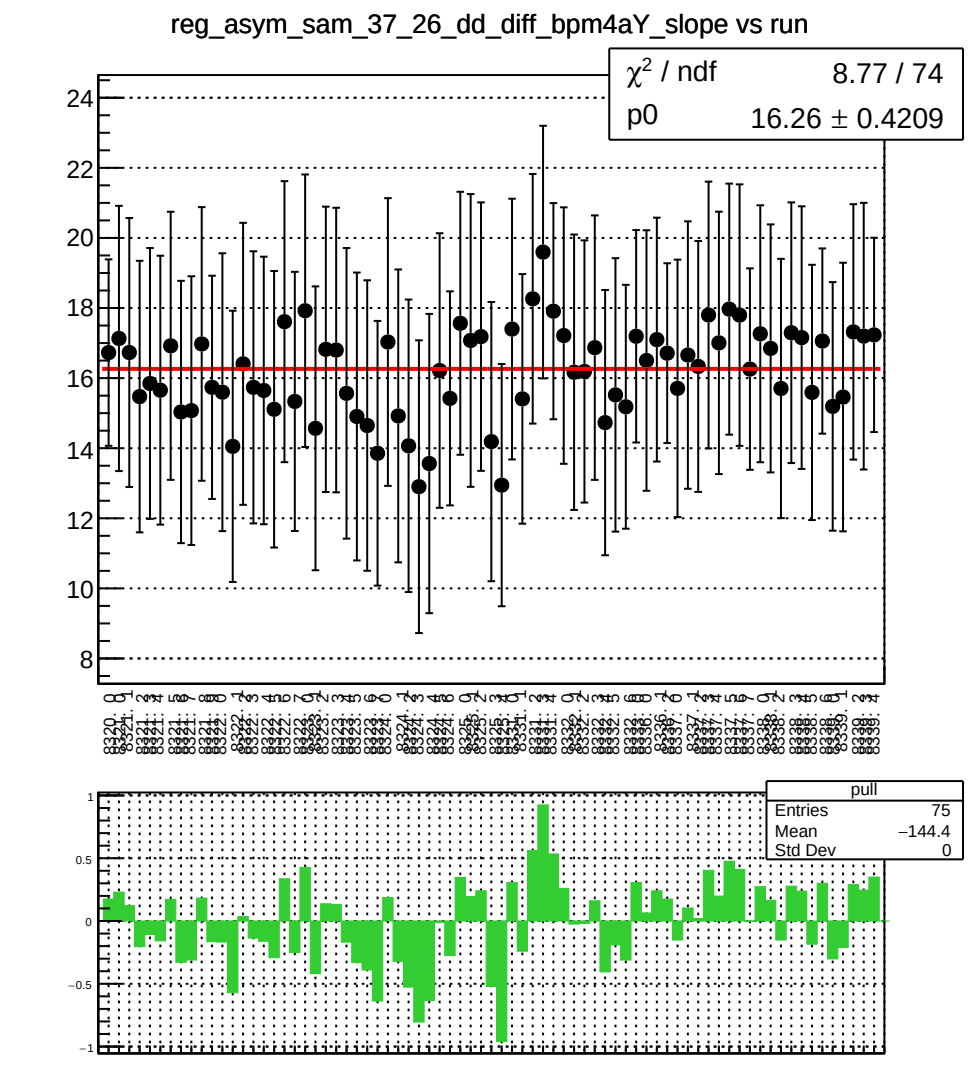

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.293 / 74
p0 21.21 ± 1.277
pull
Entries 75
Mean 98.6
Std Dev 0

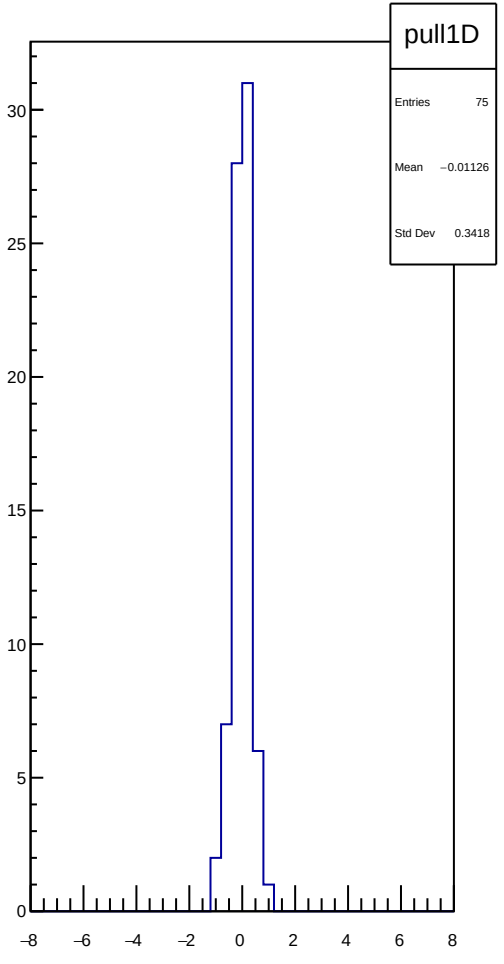

pull1D
Entries 75
Mean 0.003279
Std Dev 0.1313

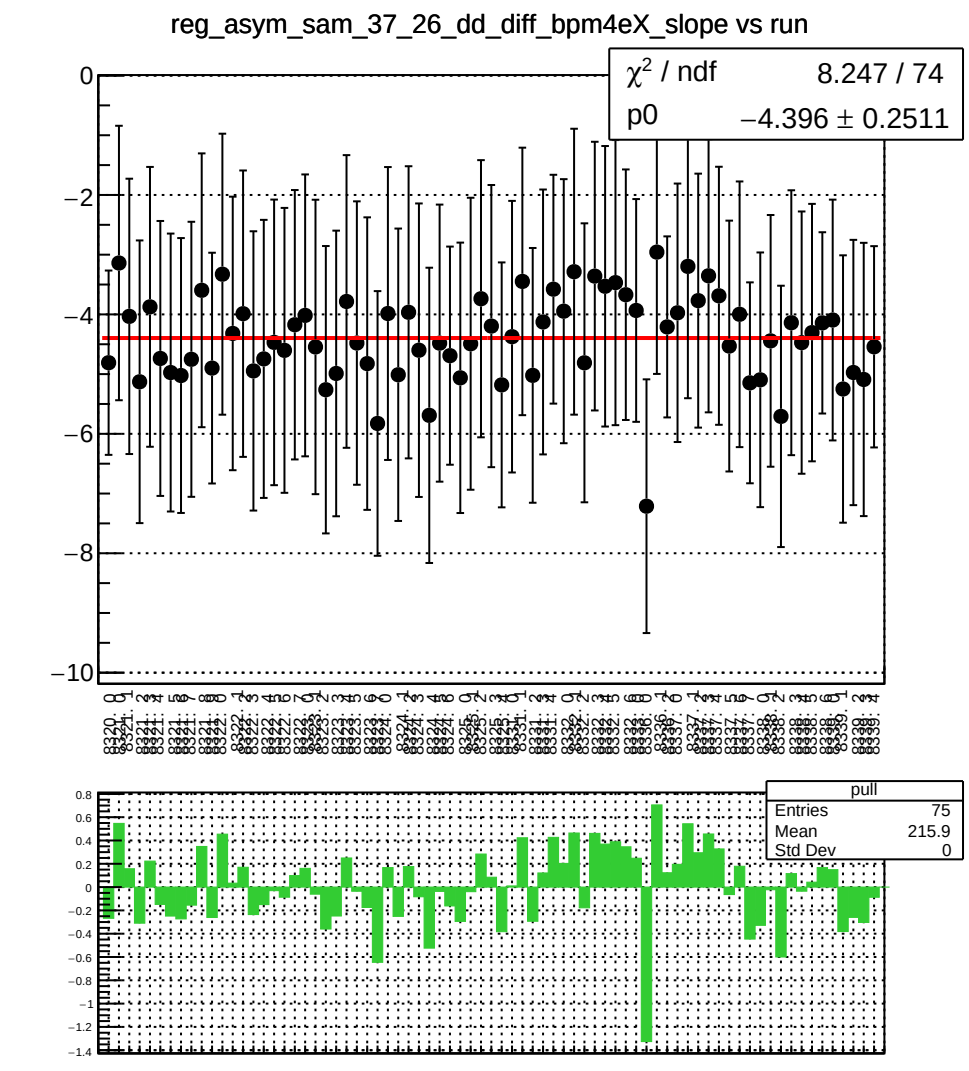

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.738 / 74
p0 −1.122 ± 0.07104
pull
Entries 75
Mean 91.25
Std Dev 0
pull1D
Entries 75
Mean −0.006548
Std Dev 0.1521

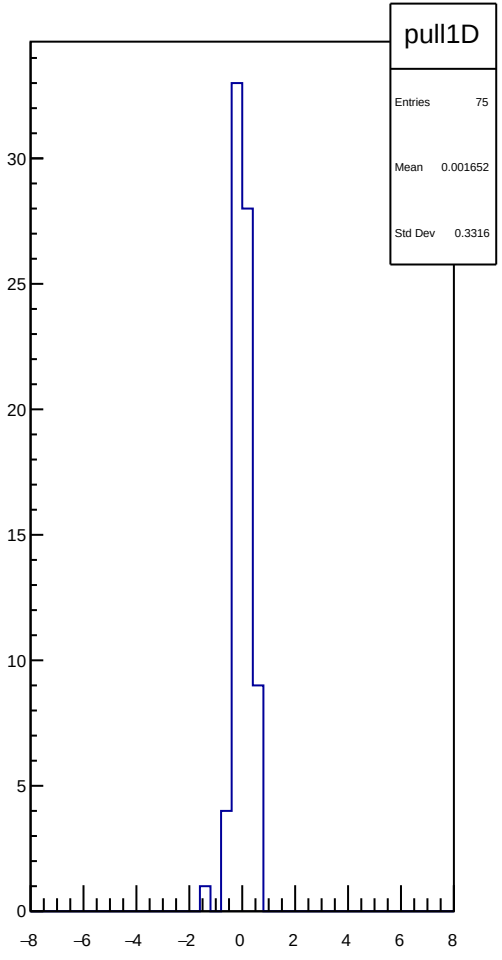

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.516 / 74
p0 −2.162 ± 0.2204
pull
Entries 75
Mean 861.5
Std Dev 0

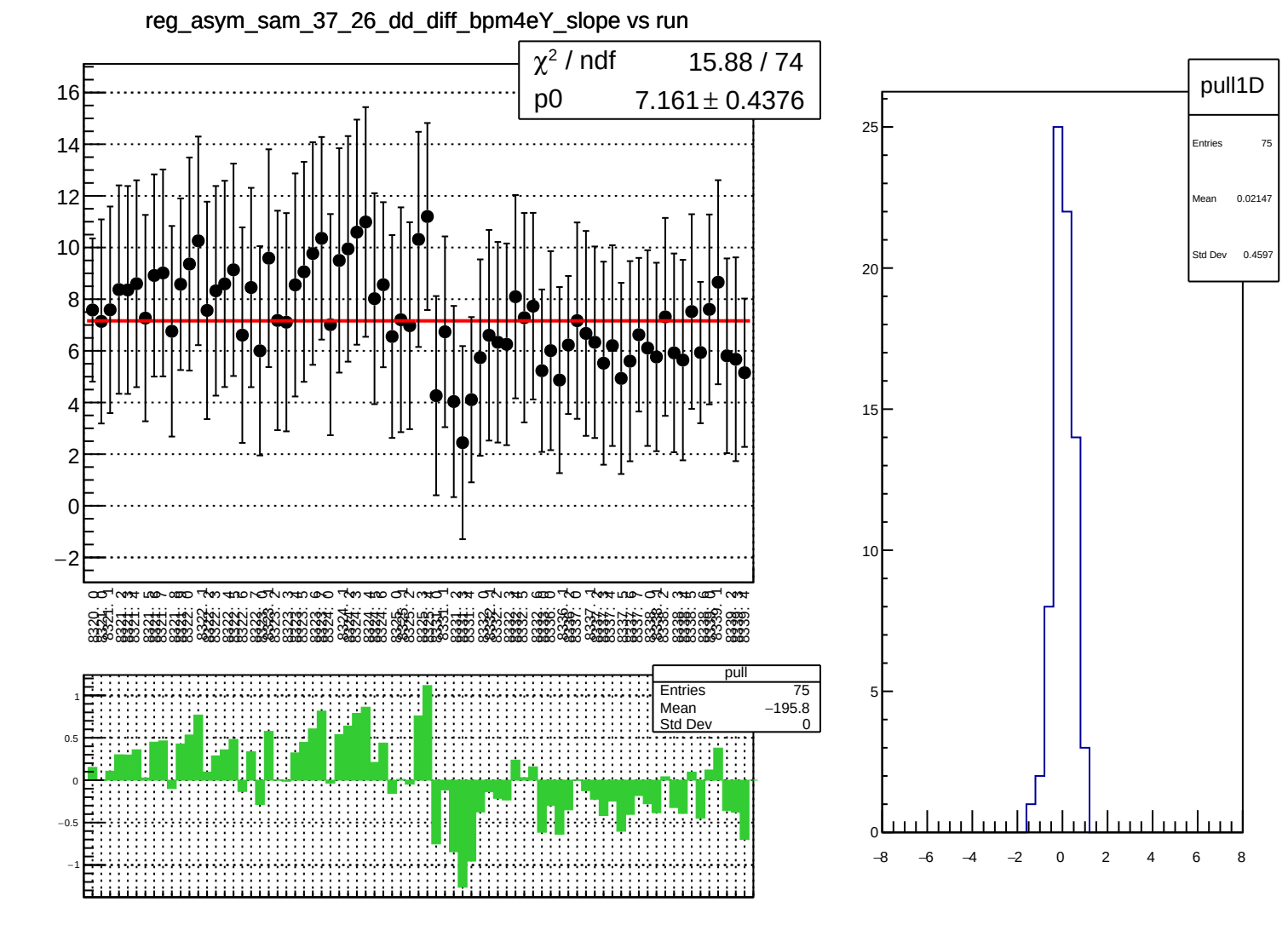

pull1D
Entries 75
Mean −0.002639
Std Dev 0.3562

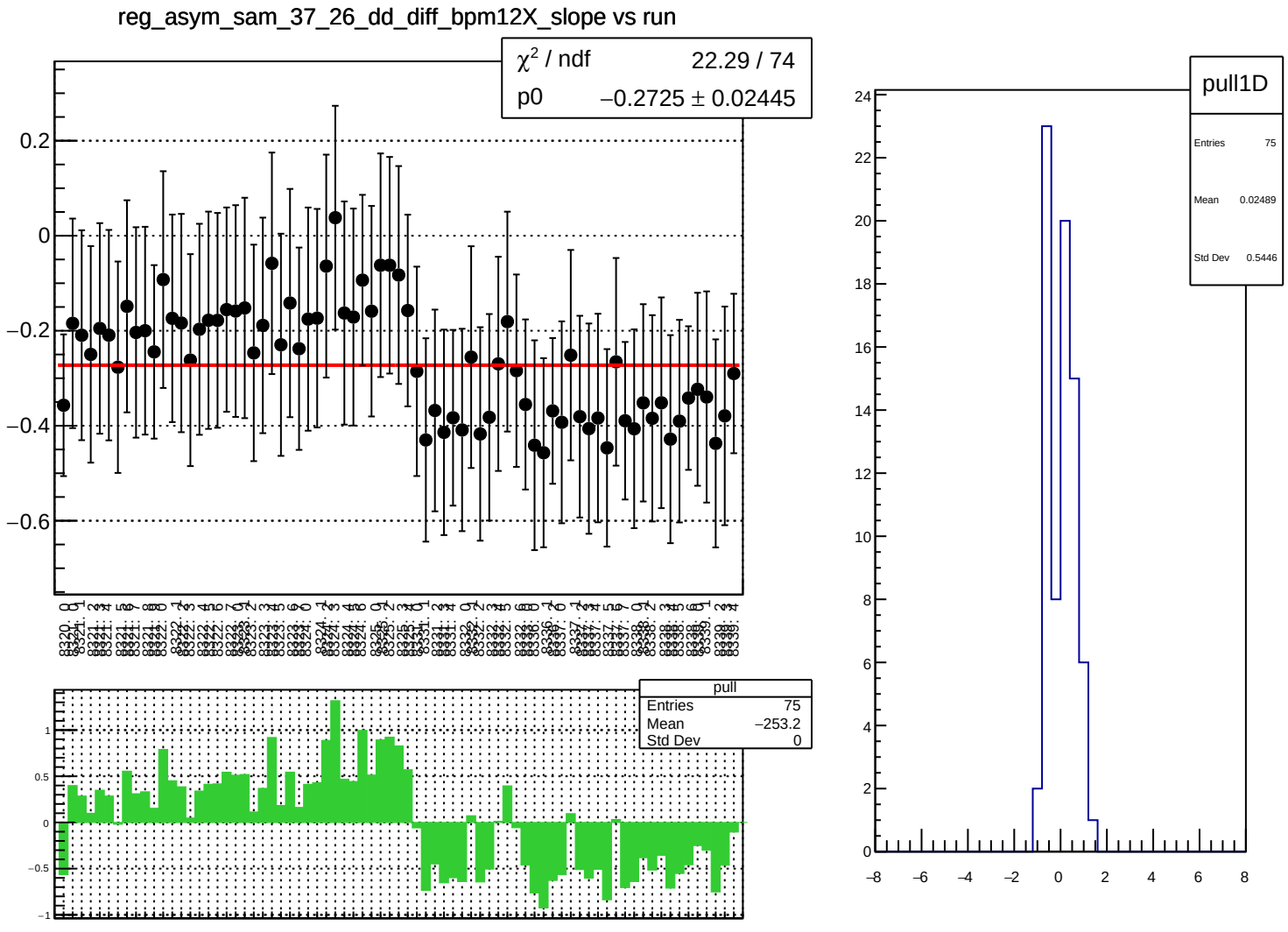

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.77 / 74
p0 16.26 ± 0.4209
pull
Entries 75
Mean −144.4
Std Dev 0

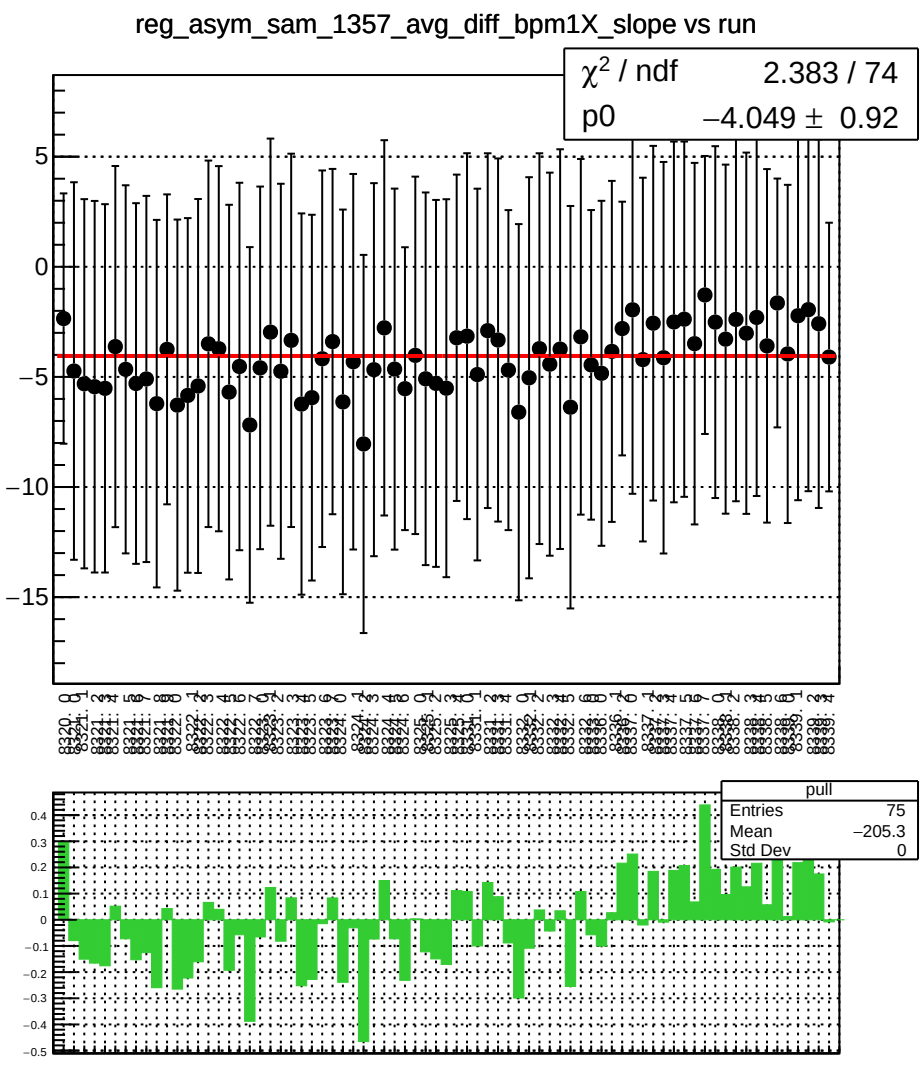

pull1D
Entries 75
Mean −0.01126
Std Dev 0.3418

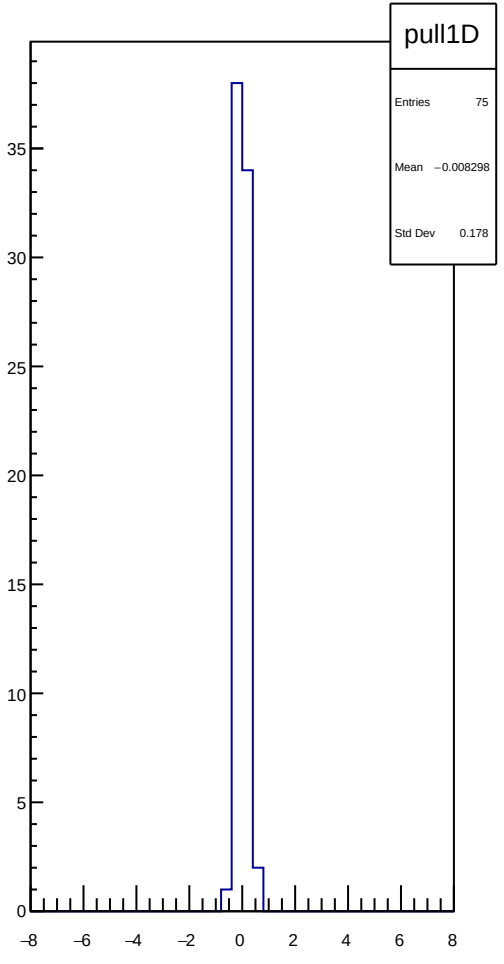

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.247 / 74
p0 −4.396 ± 0.2511
pull
Entries 75
Mean 215.9
Std Dev 0

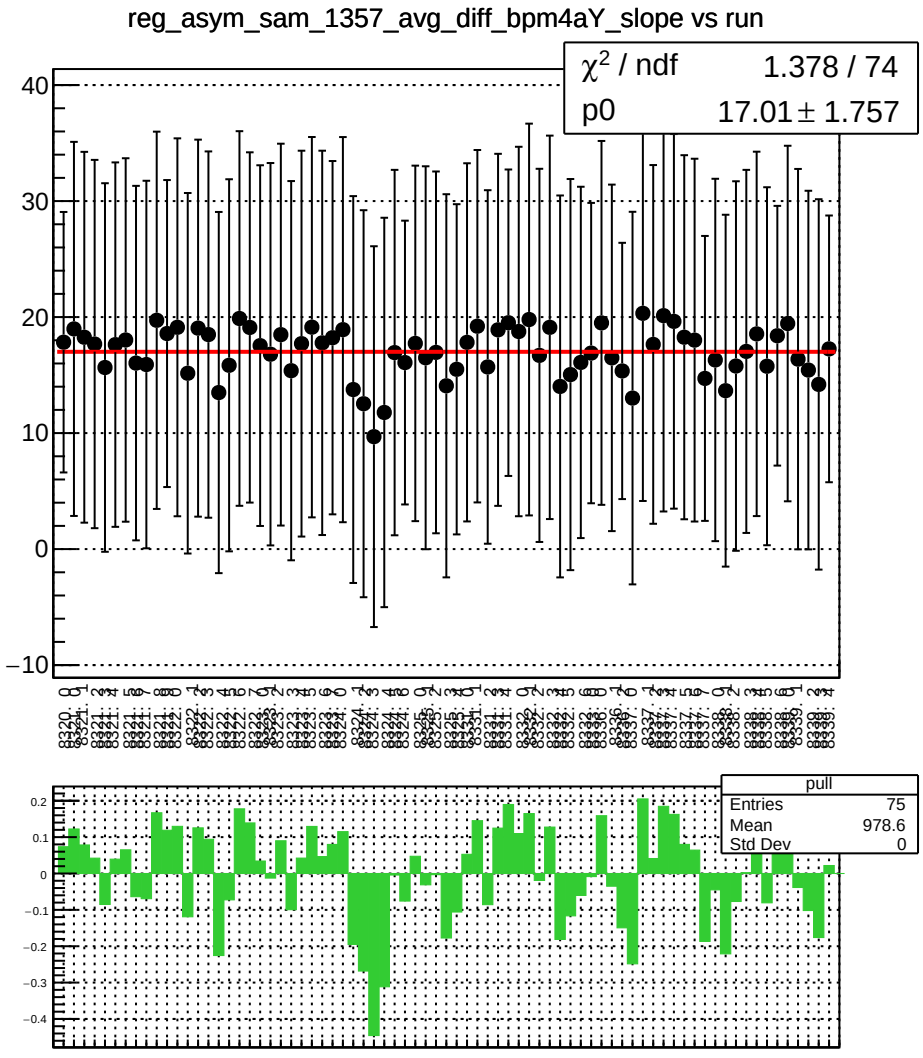

pull1D
Entries 75
Mean 0.001652
Std Dev 0.3316

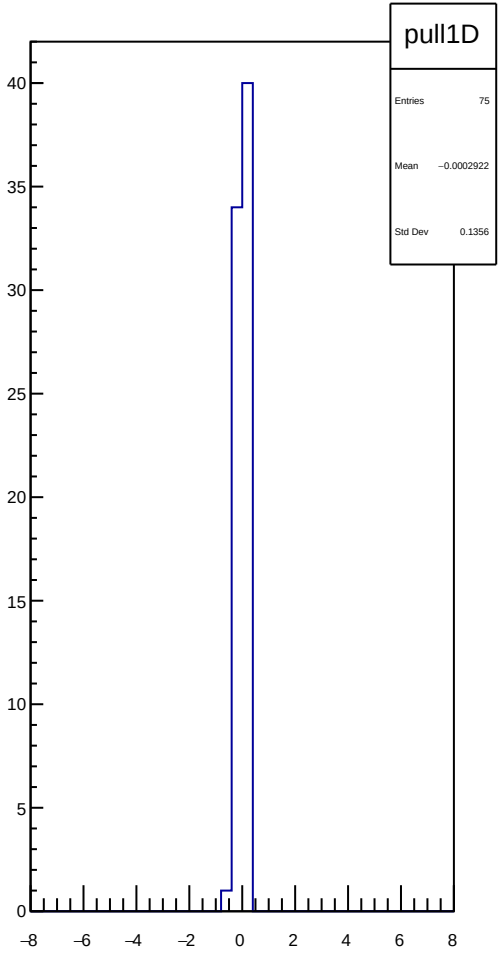

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.88 / 74
p0 7.161 ± 0.4376
pull
Entries 75
Mean −195.8
Std Dev 0
pull1D
Entries 75
Mean 0.02147
Std Dev 0.4597

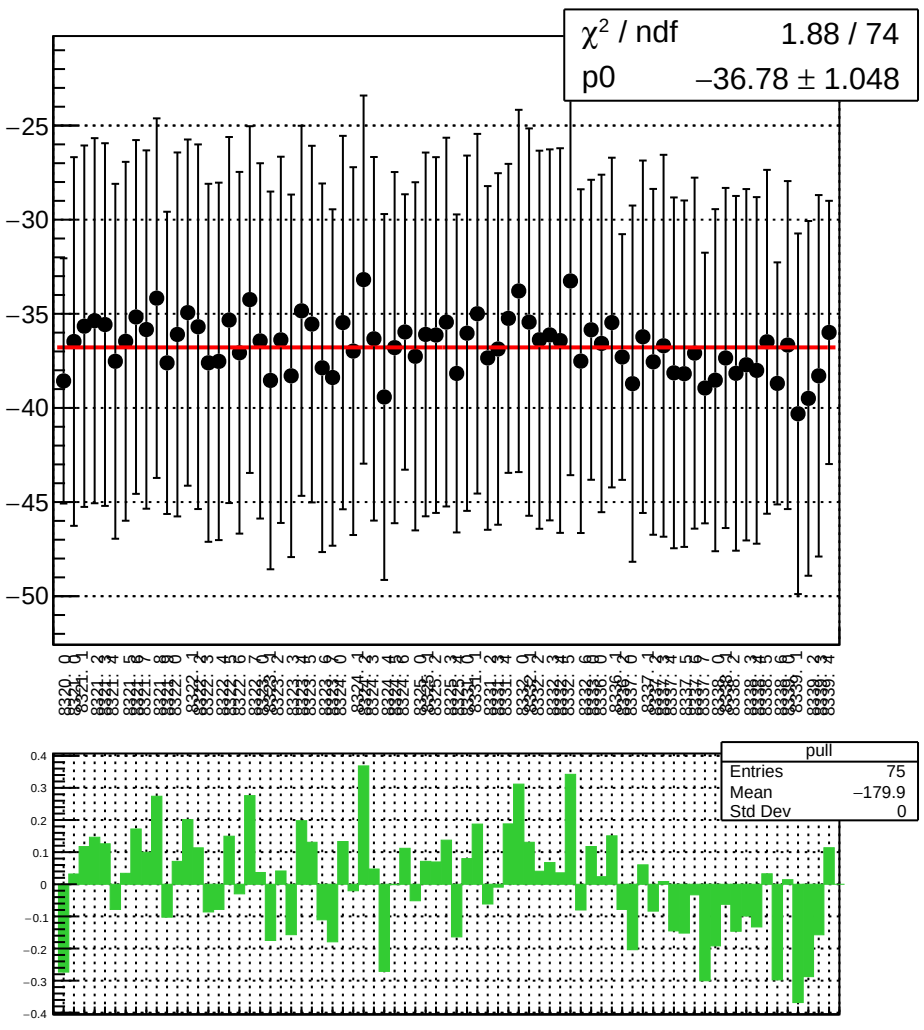

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 22.29 / 74
p0 −0.2725 ± 0.02445
pull
Entries 75
Mean −253.2
Std Dev 0
pull1D
Entries 75
Mean 0.02489
Std Dev 0.5446

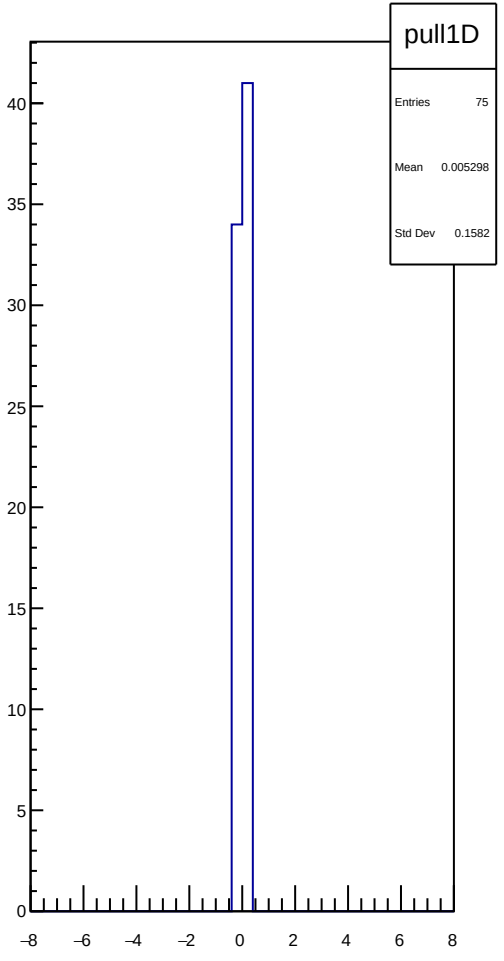

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 2.383 / 74
p0 −4.049 ± 0.92
pull
Entries 75
Mean −205.3
Std Dev 0

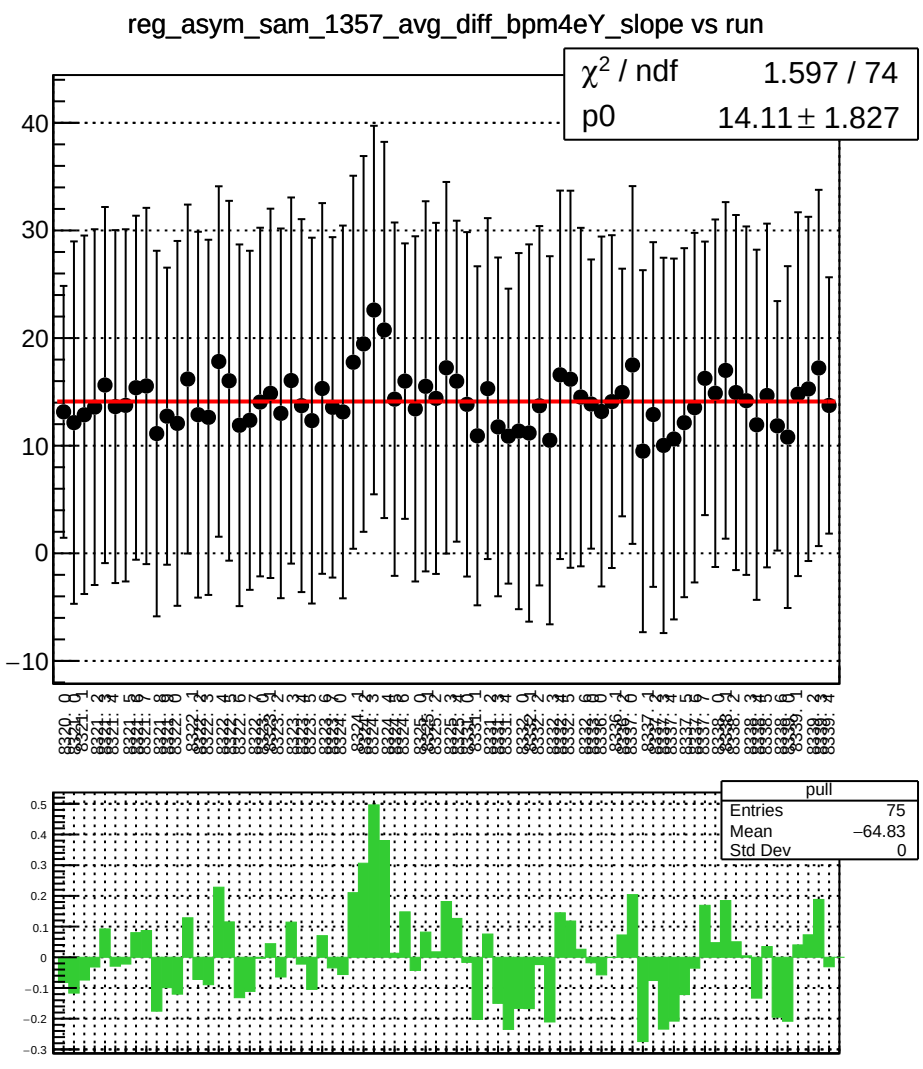

pull1D
Entries 75
Mean −0.008298
Std Dev 0.178

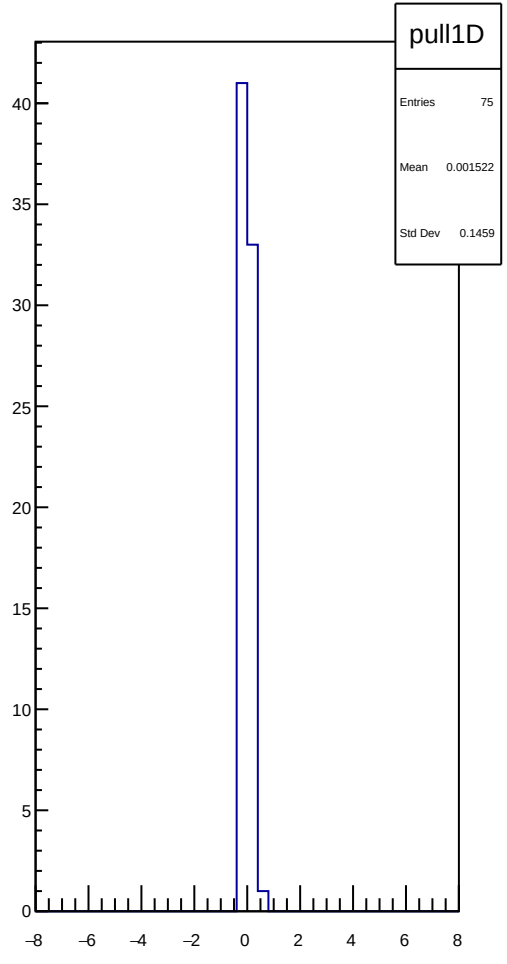

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.378 / 74
p0 17.01 ± 1.757
pull
Entries 75
Mean 978.6
Std Dev 0

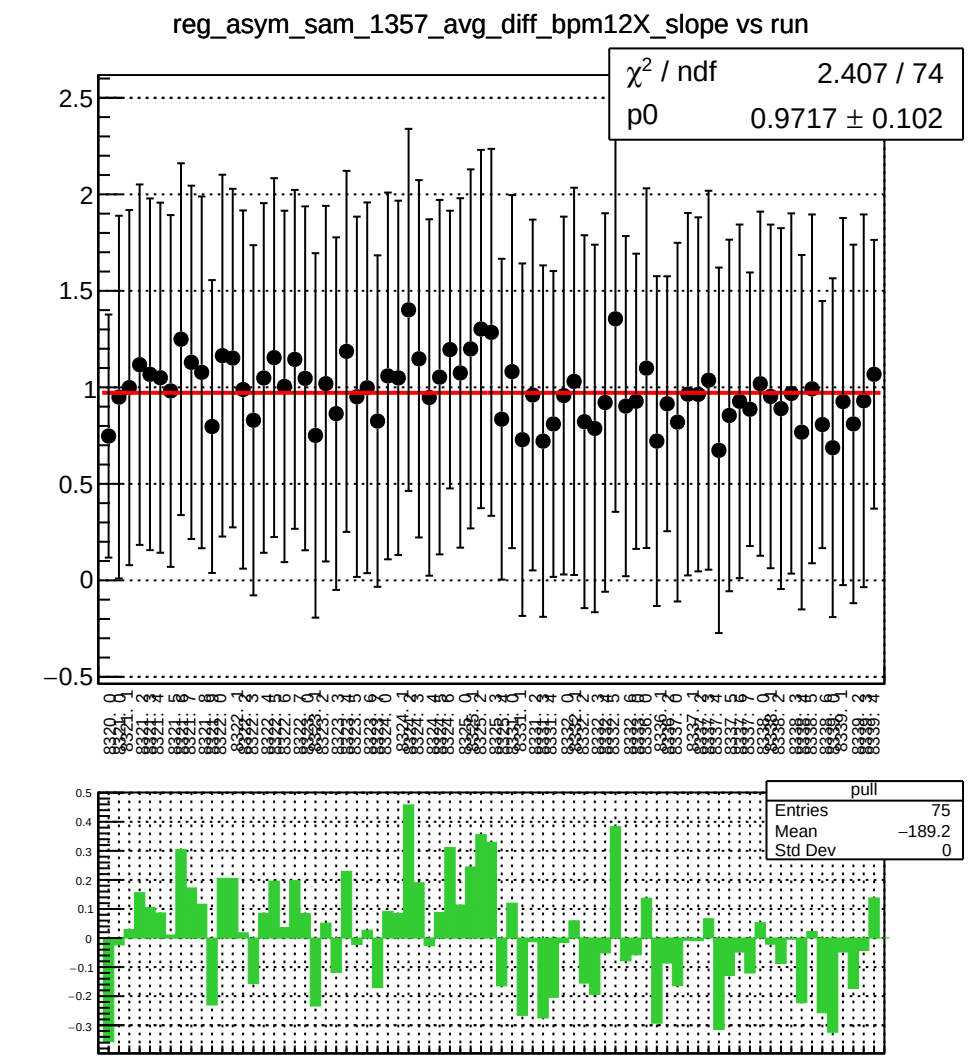

pull1D
Entries 75
Mean −0.0002922
Std Dev 0.1356

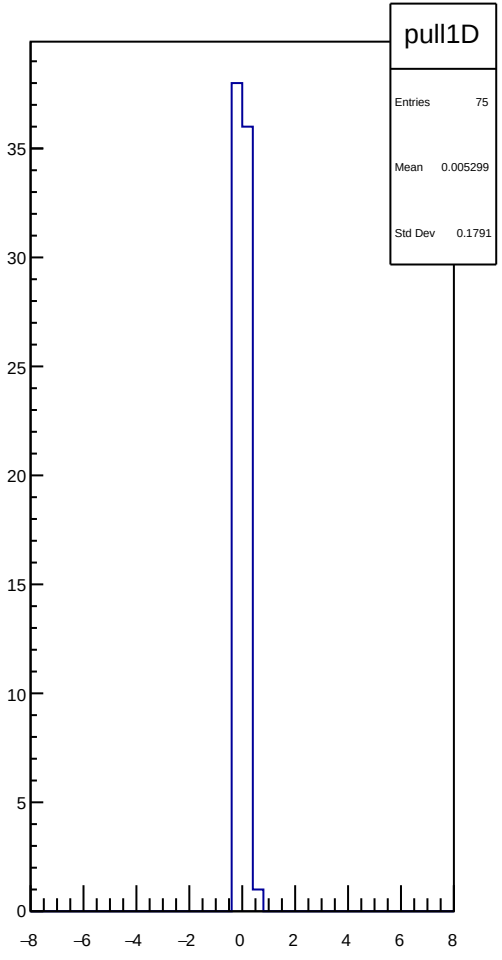

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.88 / 74
p0 −36.78 ± 1.048
pull
Entries 75
Mean −179.9
Std Dev 0

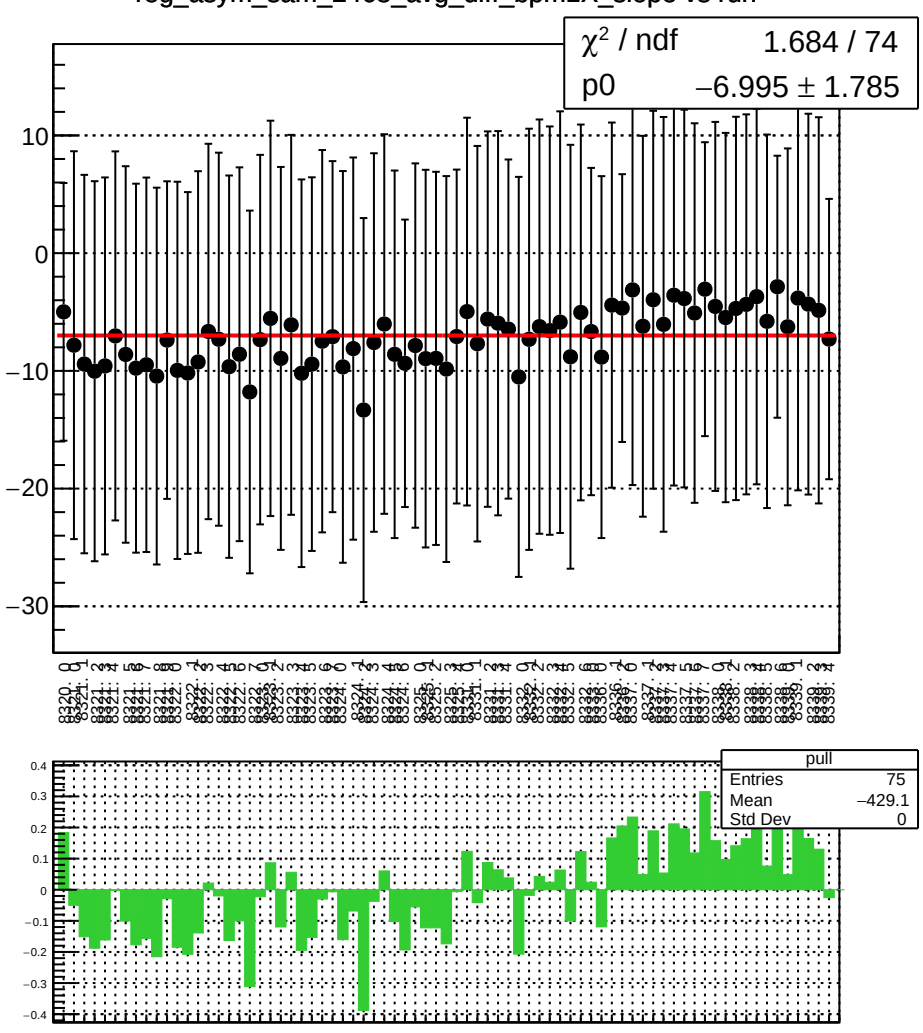

pull1D
Entries 75
Mean 0.005298
Std Dev 0.1582

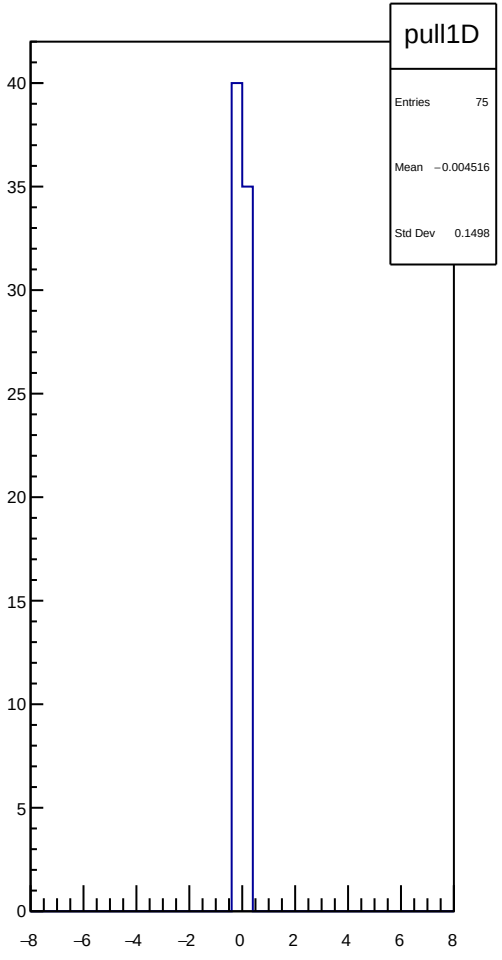

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.597 / 74
p0 14.11 ± 1.827
pull
Entries 75
Mean −64.83
Std Dev 0

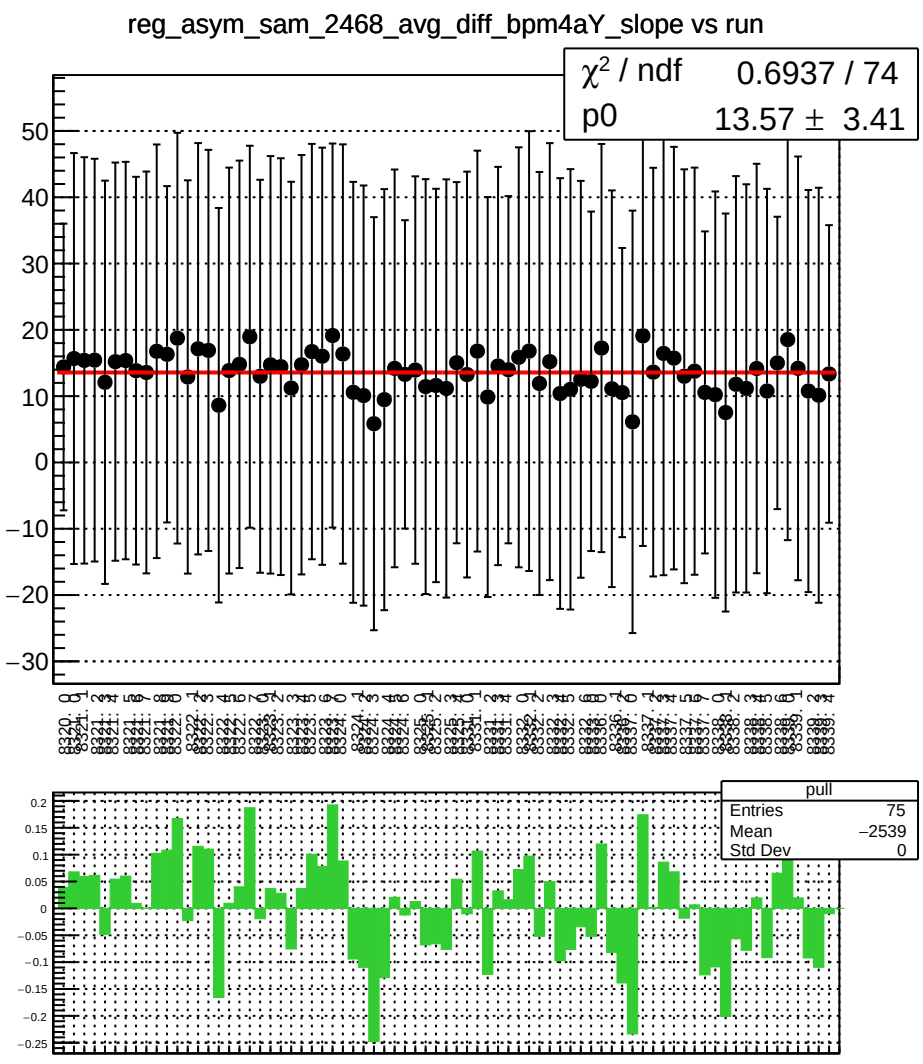

pull1D
Entries 75
Mean 0.001522
Std Dev 0.1459

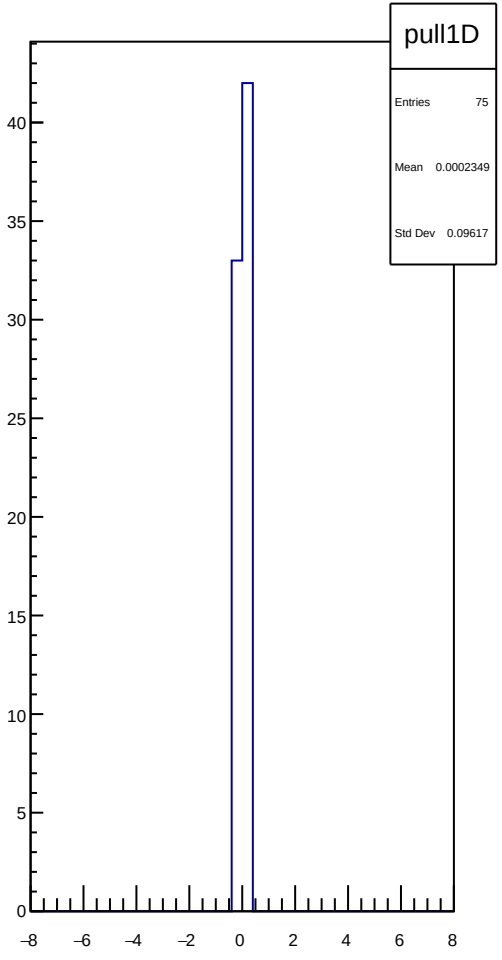

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.407 / 74
p0 0.9717 ± 0.102
pull
Entries 75
Mean −189.2
Std Dev 0

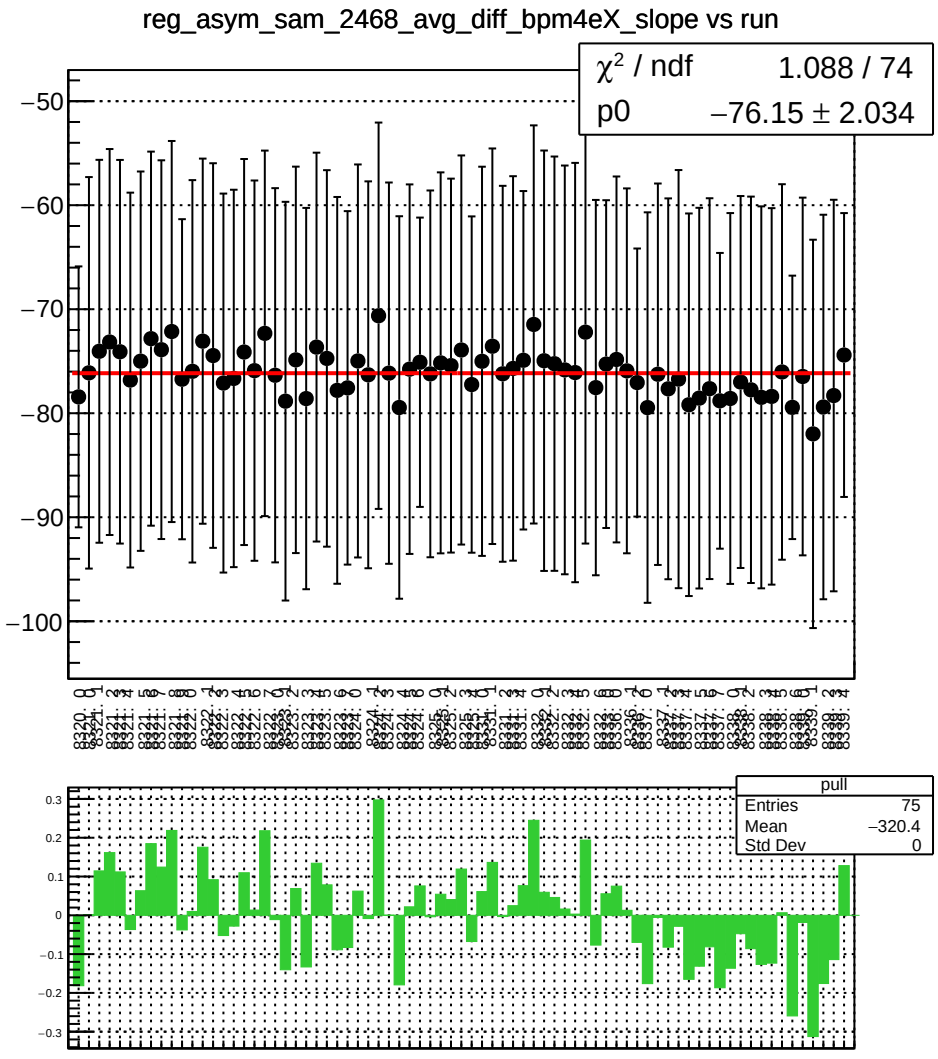

pull1D
Entries 75
Mean 0.005299
Std Dev 0.1791

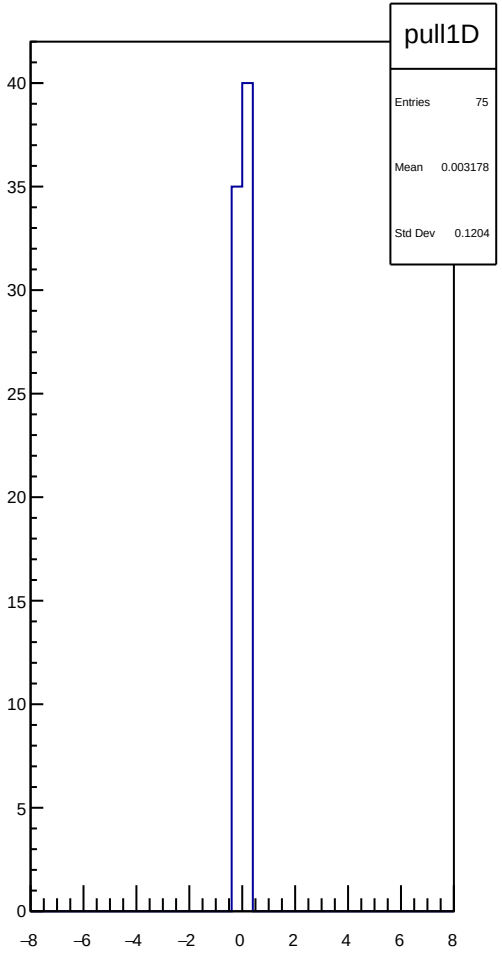

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.684 / 74
p0 −6.995 ± 1.785
pull
Entries 75
Mean −429.1
Std Dev 0

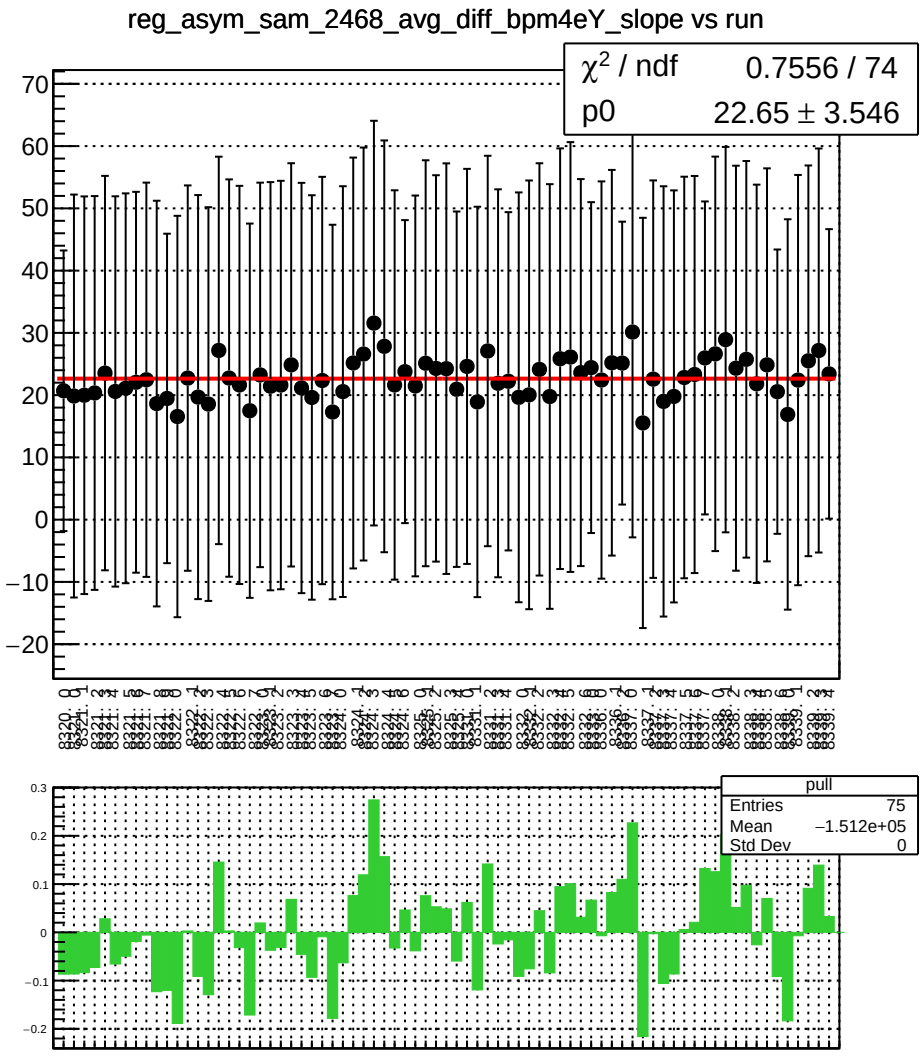

pull1D
Entries 75
Mean −0.004516
Std Dev 0.1498

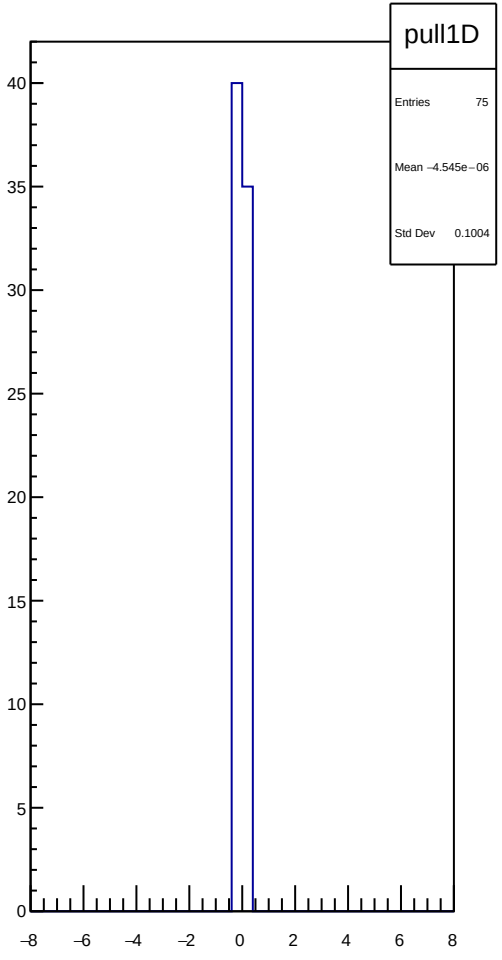

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.6937 / 74
p0 13.57 ± 3.41
pull
Entries 75
Mean −2539
Std Dev 0

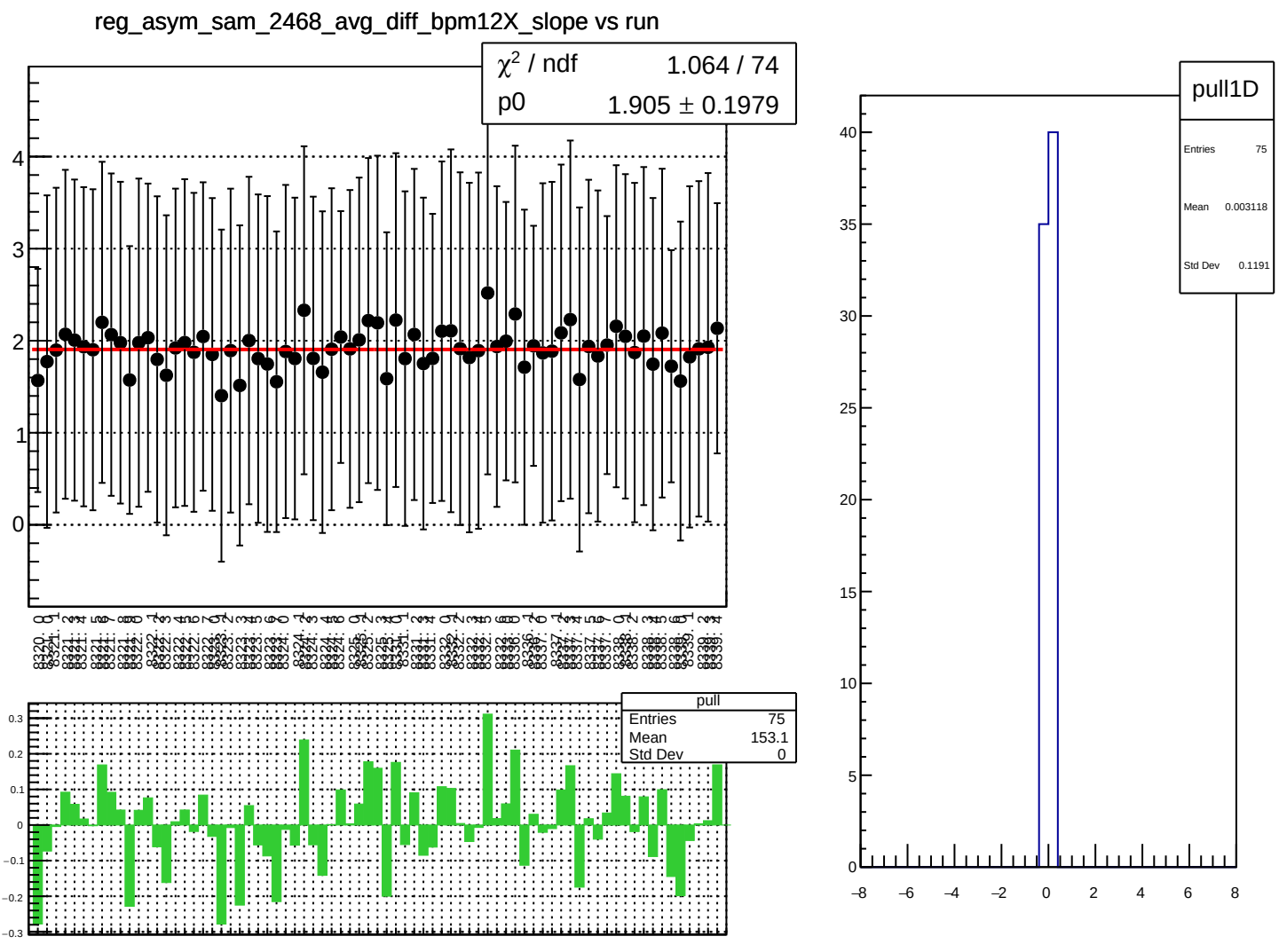

pull1D
Entries 75
Mean 0.0002349
Std Dev 0.09617

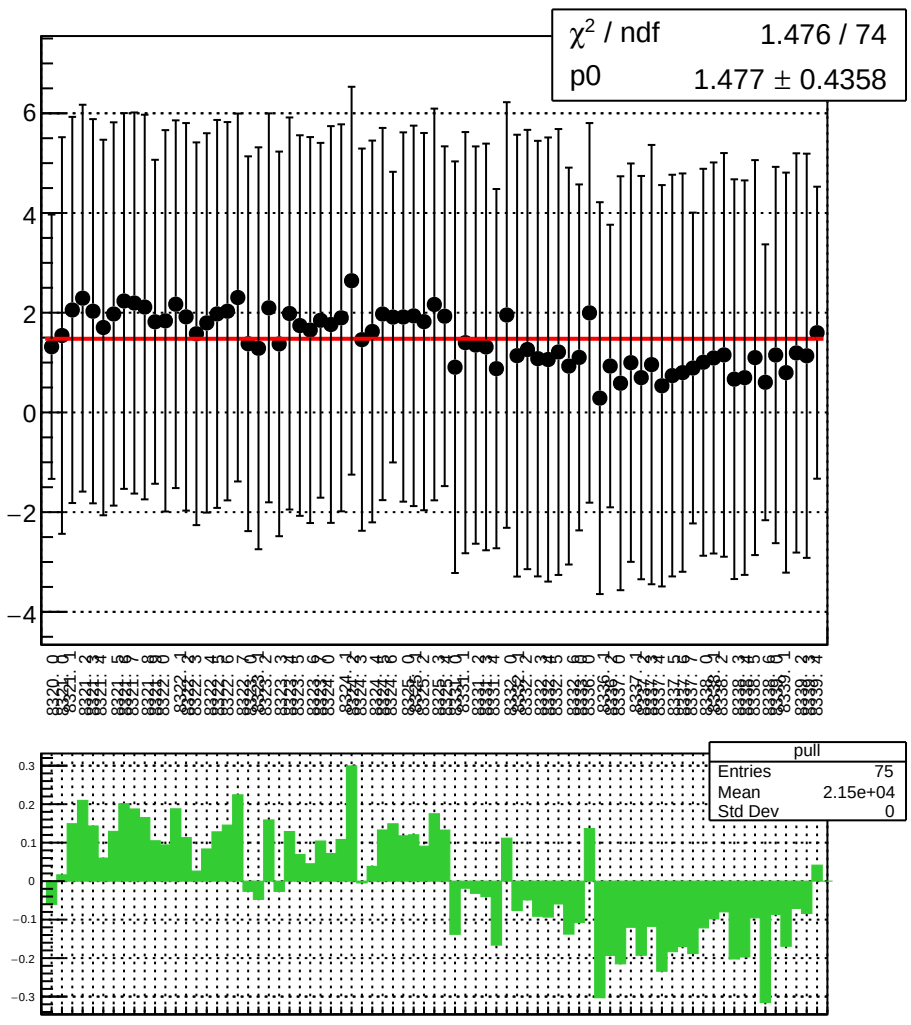

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.088 / 74
p0 −76.15 ± 2.034
pull
Entries 75
Mean −320.4
Std Dev 0

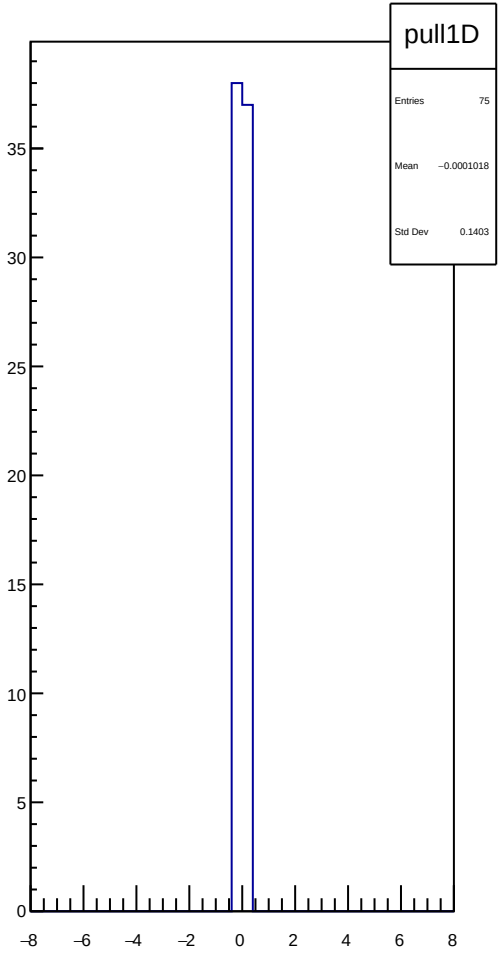

pull1D
Entries 75
Mean 0.003178
Std Dev 0.1204

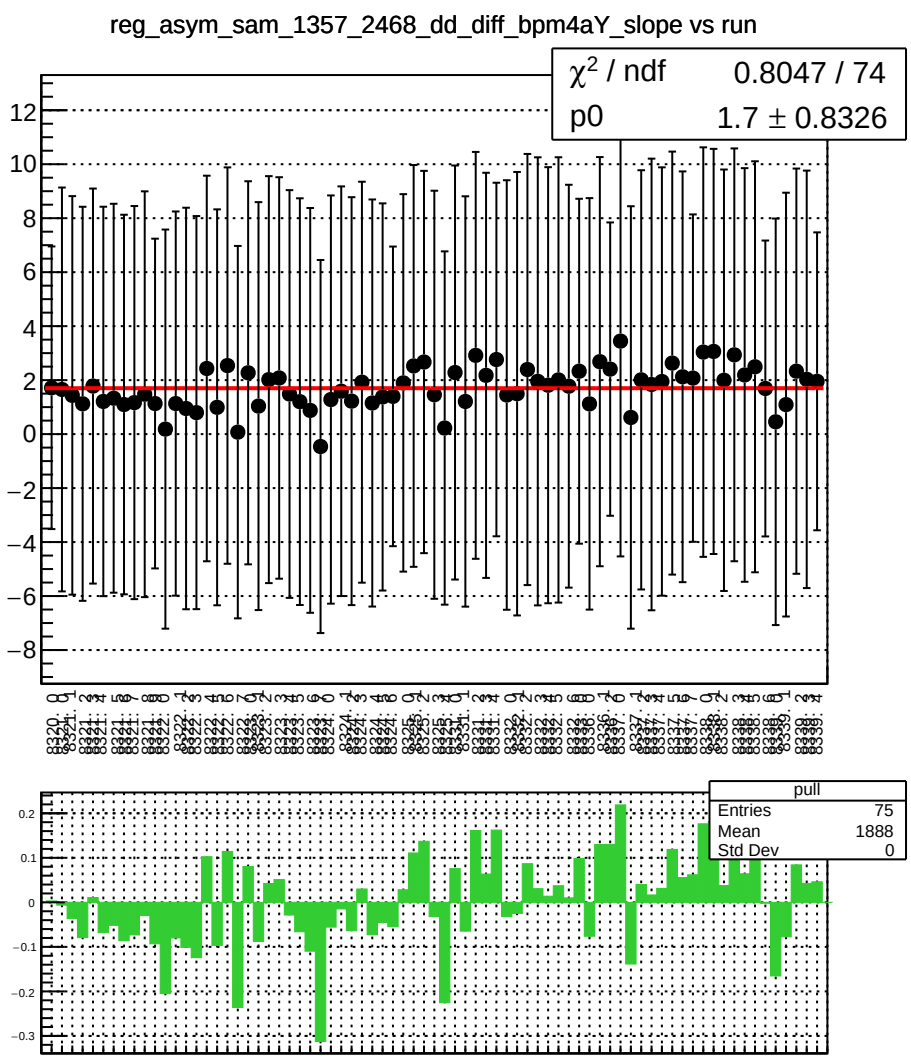

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.7556 / 74
p0 22.65 ± 3.546
pull
Entries 75
Mean −1.512e+05
Std Dev 0

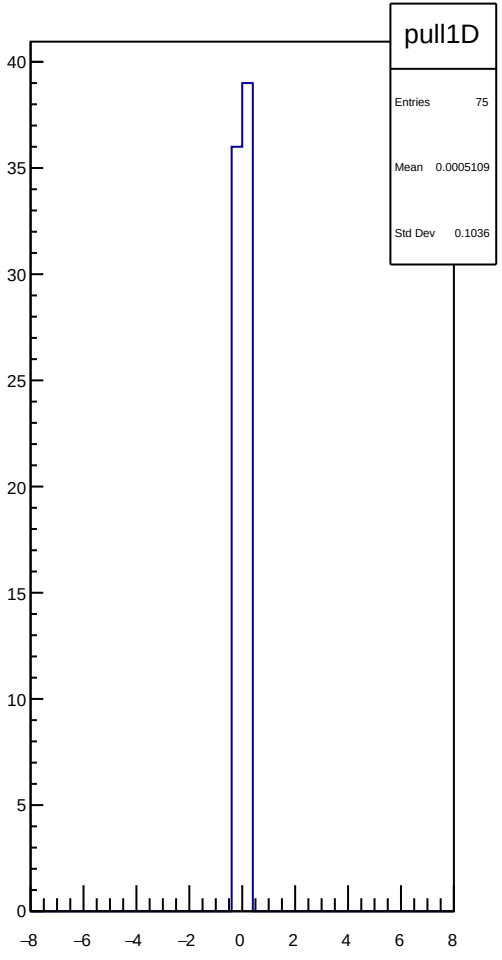

pull1D
Entries 75
Mean −4.545e−06
Std Dev 0.1004

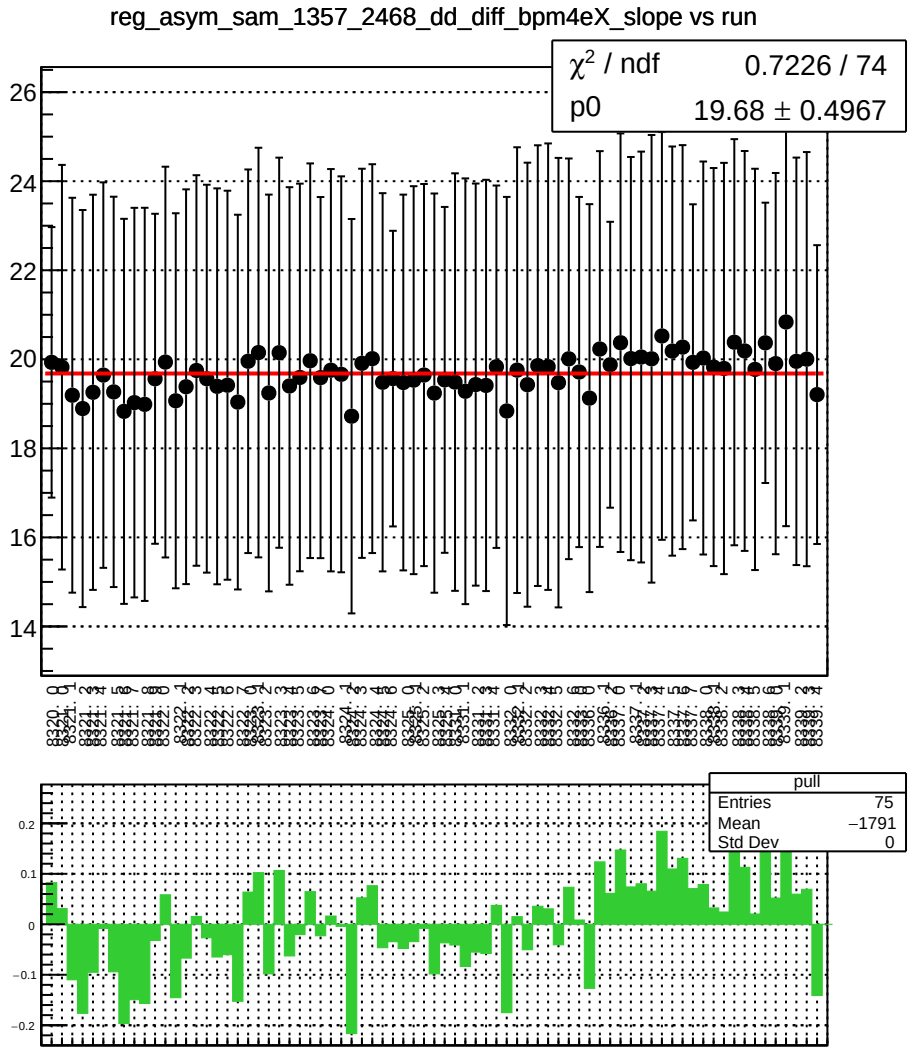

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.064 / 74
p0 1.905 ± 0.1979
pull
Entries 75
Mean 153.1
Std Dev 0
pull1D
Entries 75
Mean 0.003118
Std Dev 0.1191

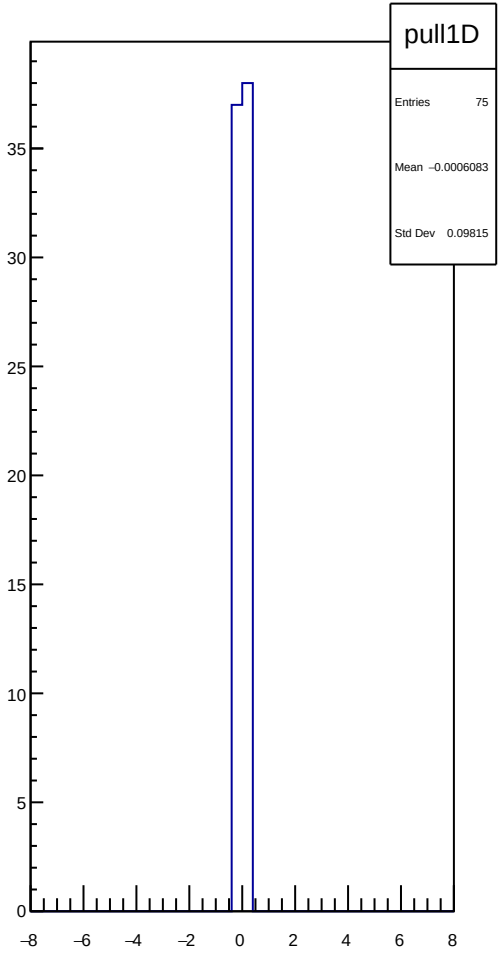

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.476 / 74
p0 1.477 ± 0.4358
pull
Entries 75
Mean 2.15e+04
Std Dev 0

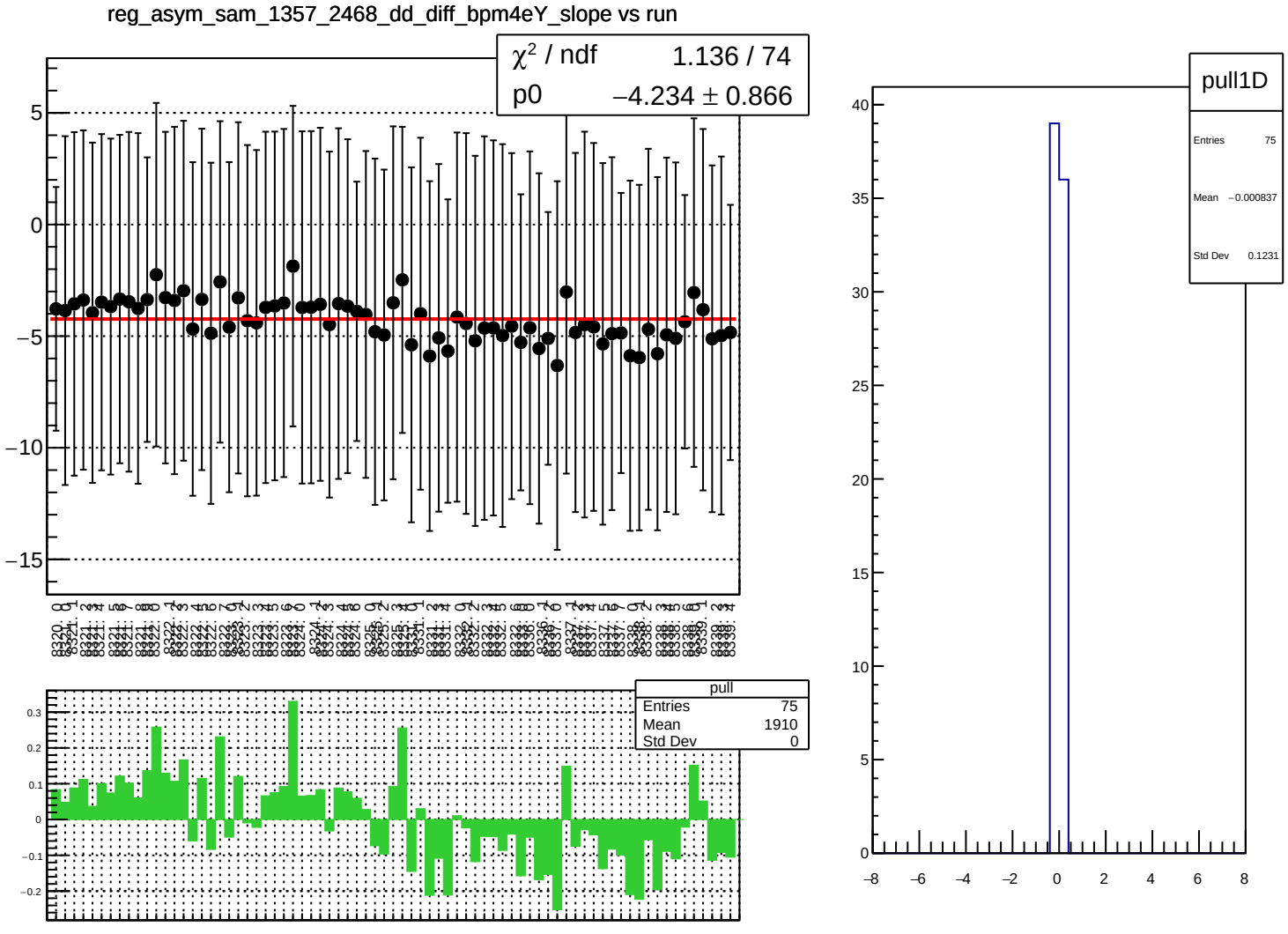

pull1D
Entries 75
Mean −0.0001018
Std Dev 0.1403

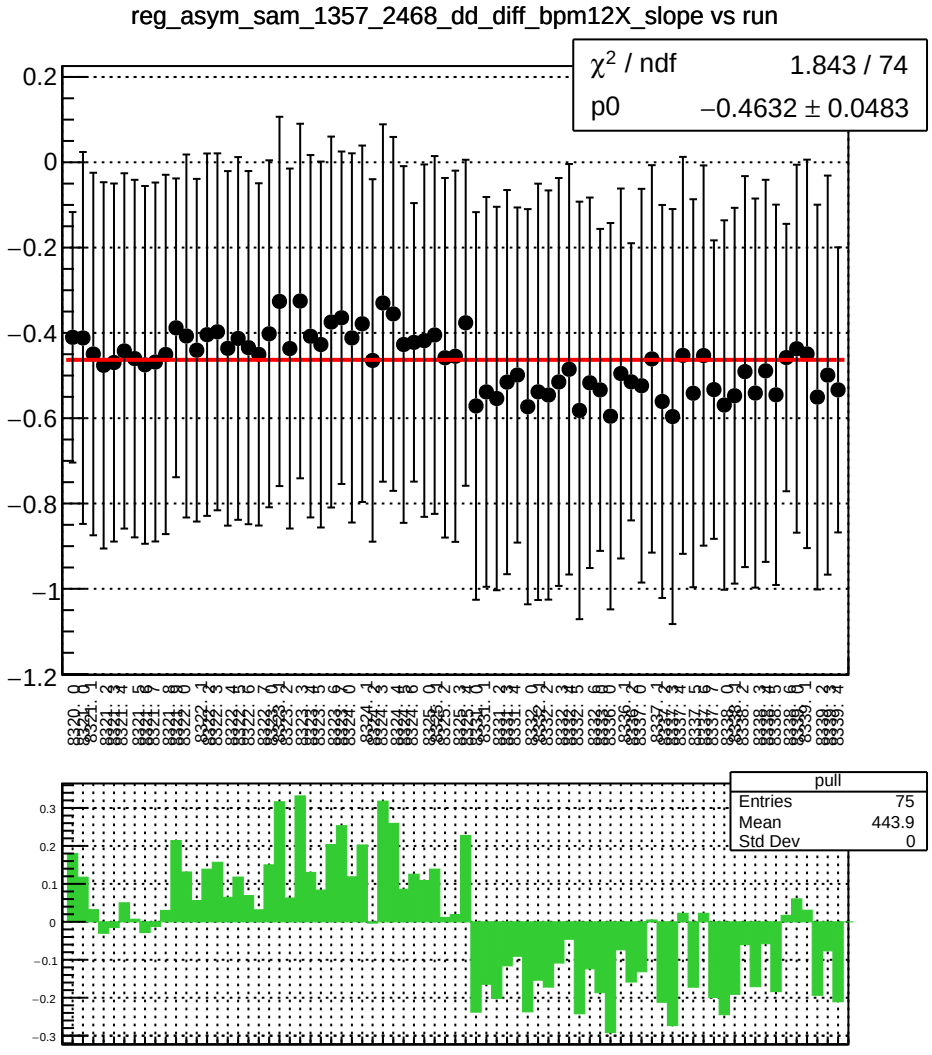

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8047 / 74
p0 1.7 ± 0.8326
pull
Entries 75
Mean 1888
Std Dev 0

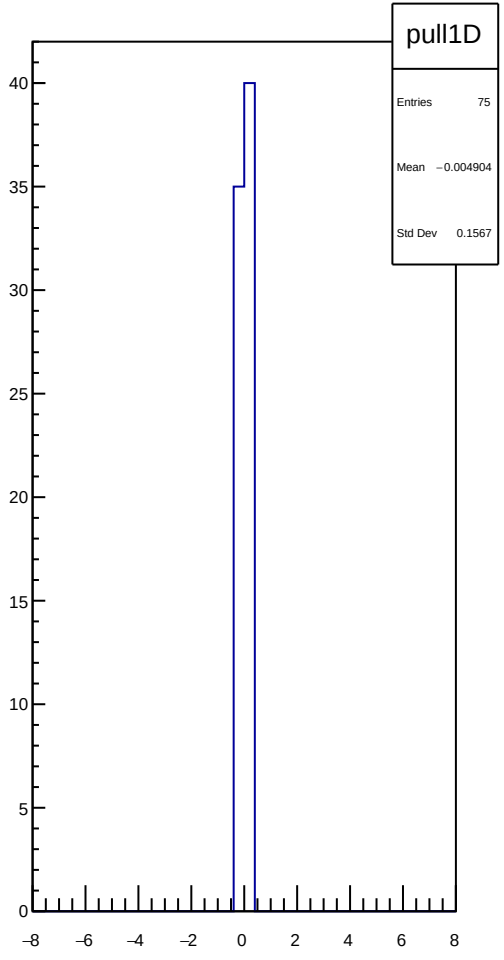

pull1D
Entries 75
Mean 0.0005109
Std Dev 0.1036

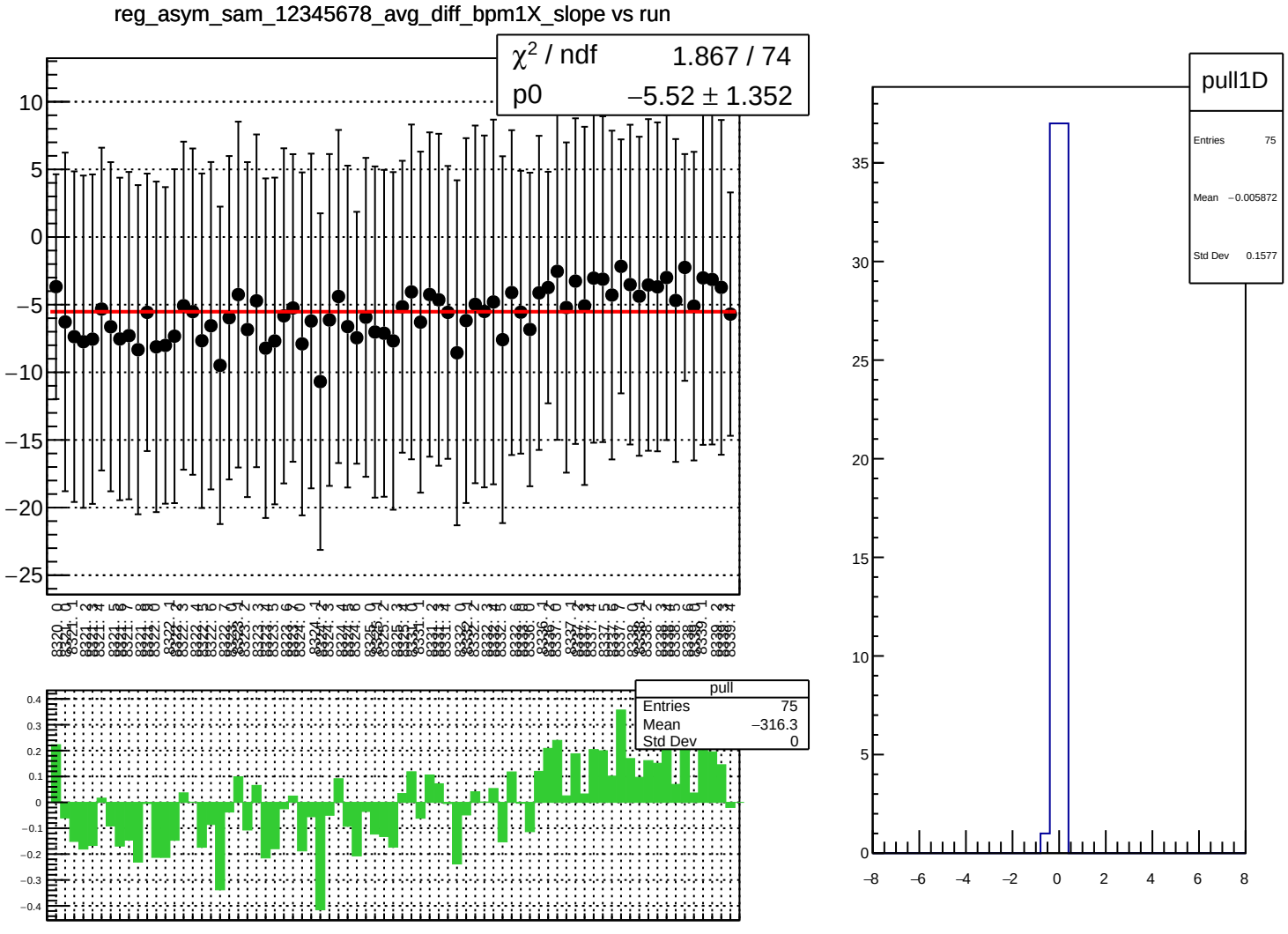

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7226 / 74
p0 19.68 ± 0.4967
pull
Entries 75
Mean −1791
Std Dev 0

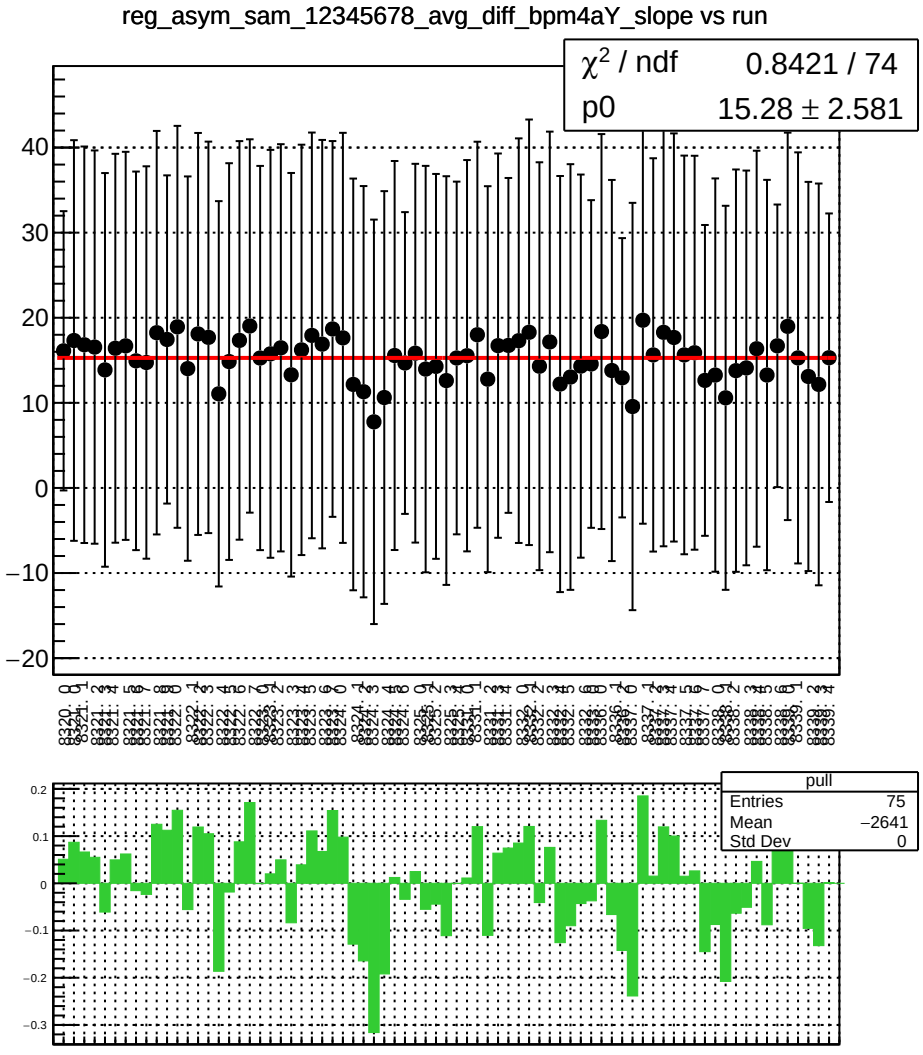

pull1D
Entries 75
Mean −0.0006083
Std Dev 0.09815

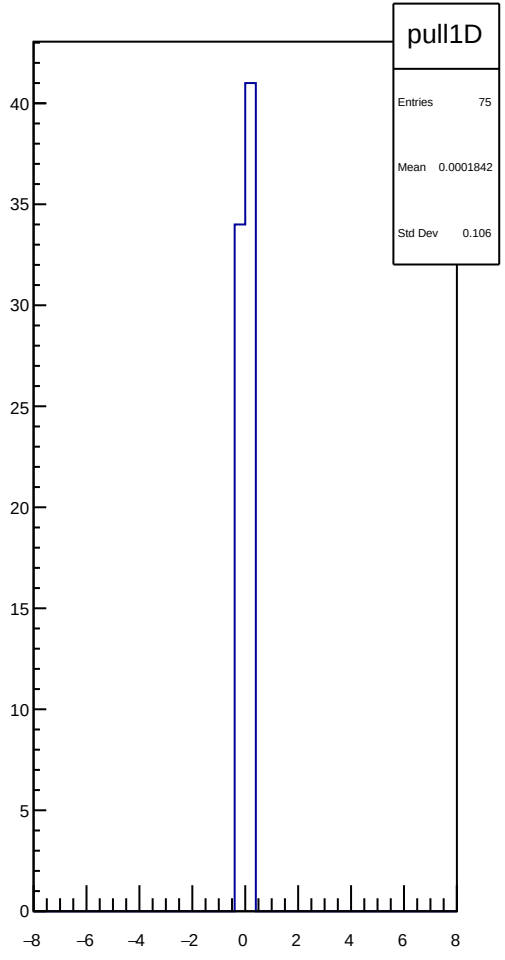

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.136 / 74
p0 −4.234 ± 0.866
pull
Entries 75
Mean 1910
Std Dev 0
pull1D
Entries 75
Mean −0.000837
Std Dev 0.1231

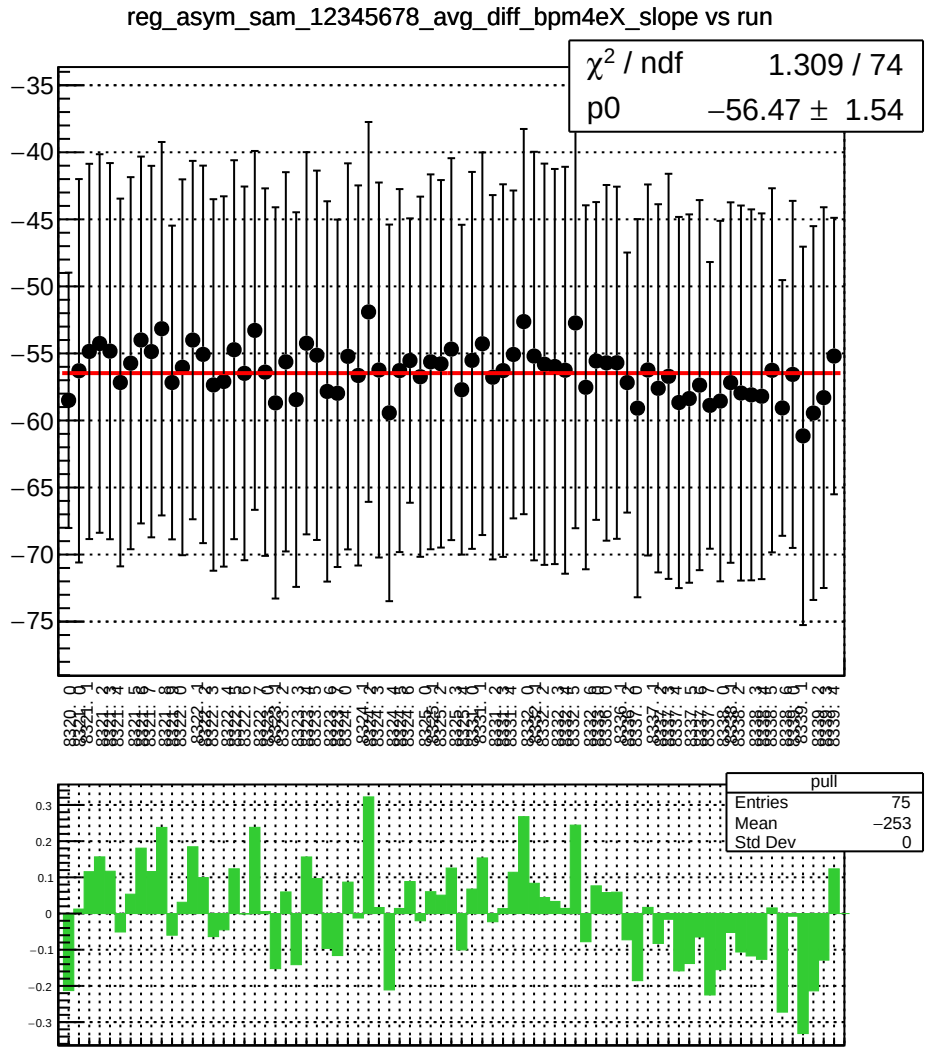

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.843 / 74
p0 −0.4632 ± 0.0483
pull
Entries 75
Mean 443.9
Std Dev 0

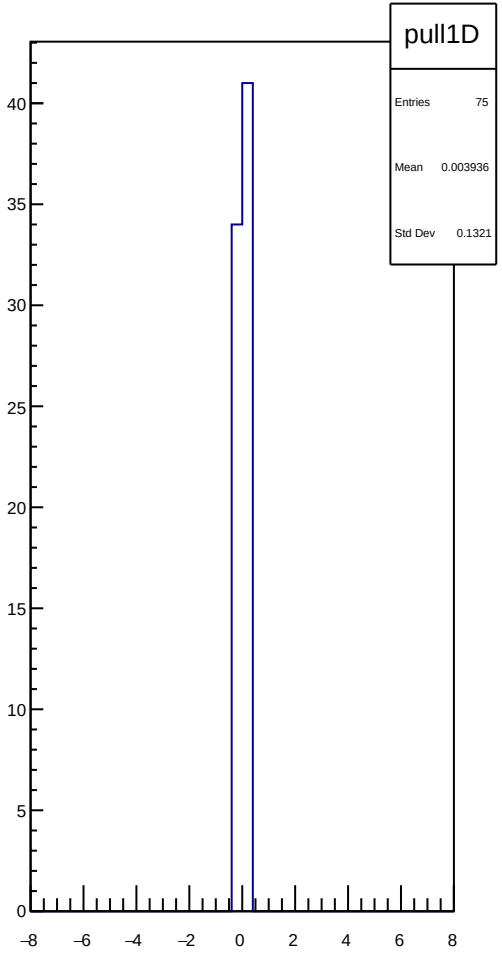

pull1D
Entries 75
Mean −0.004904
Std Dev 0.1567

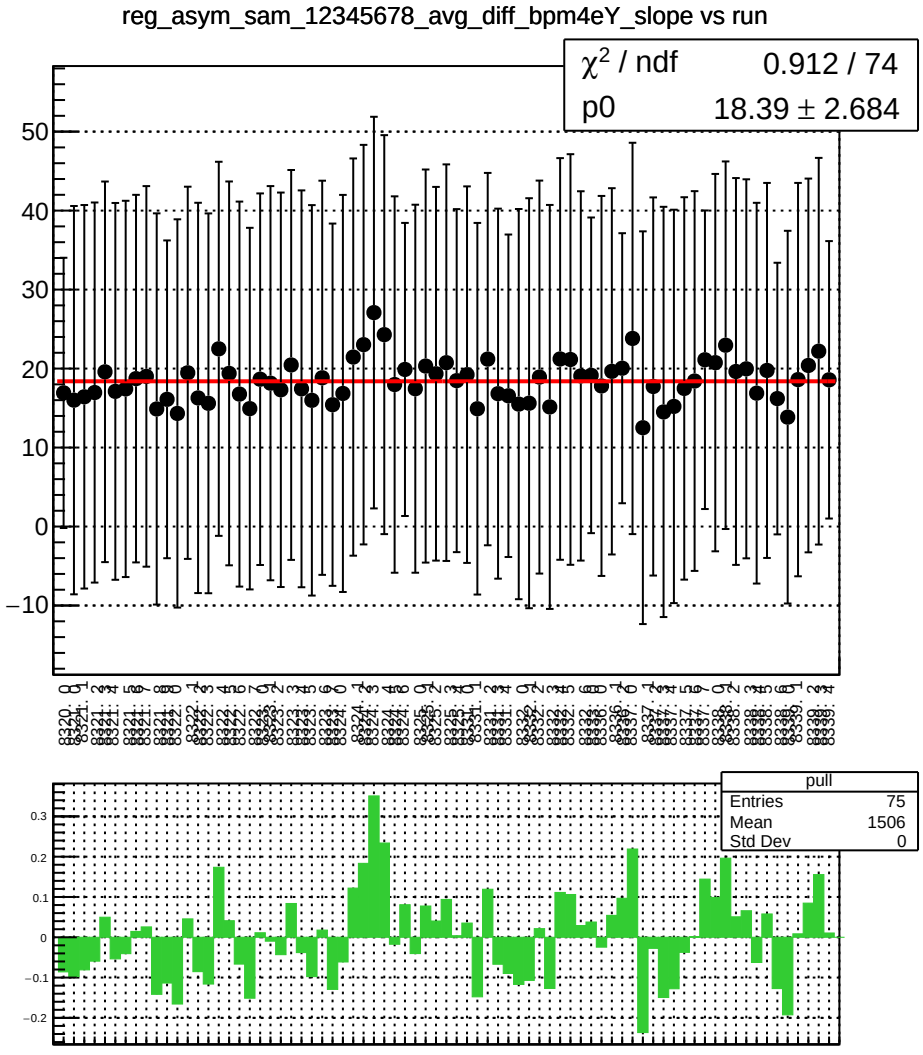

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1.867 / 74
p0 −5.52 ± 1.352
pull
Entries 75
Mean −316.3
Std Dev 0
pull1D
Entries 75
Mean −0.005872
Std Dev 0.1577

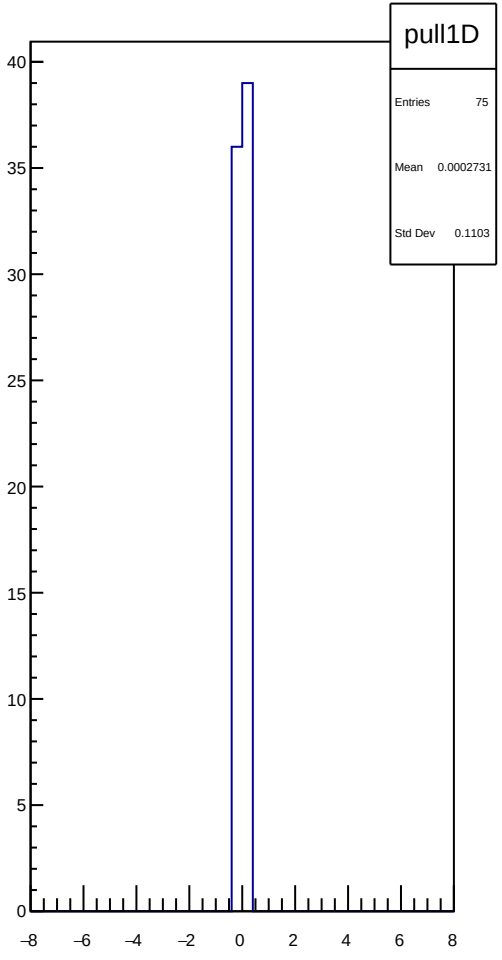

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 0.8421 / 74
p0 15.28 ± 2.581
pull
Entries 75
Mean −2641
Std Dev 0

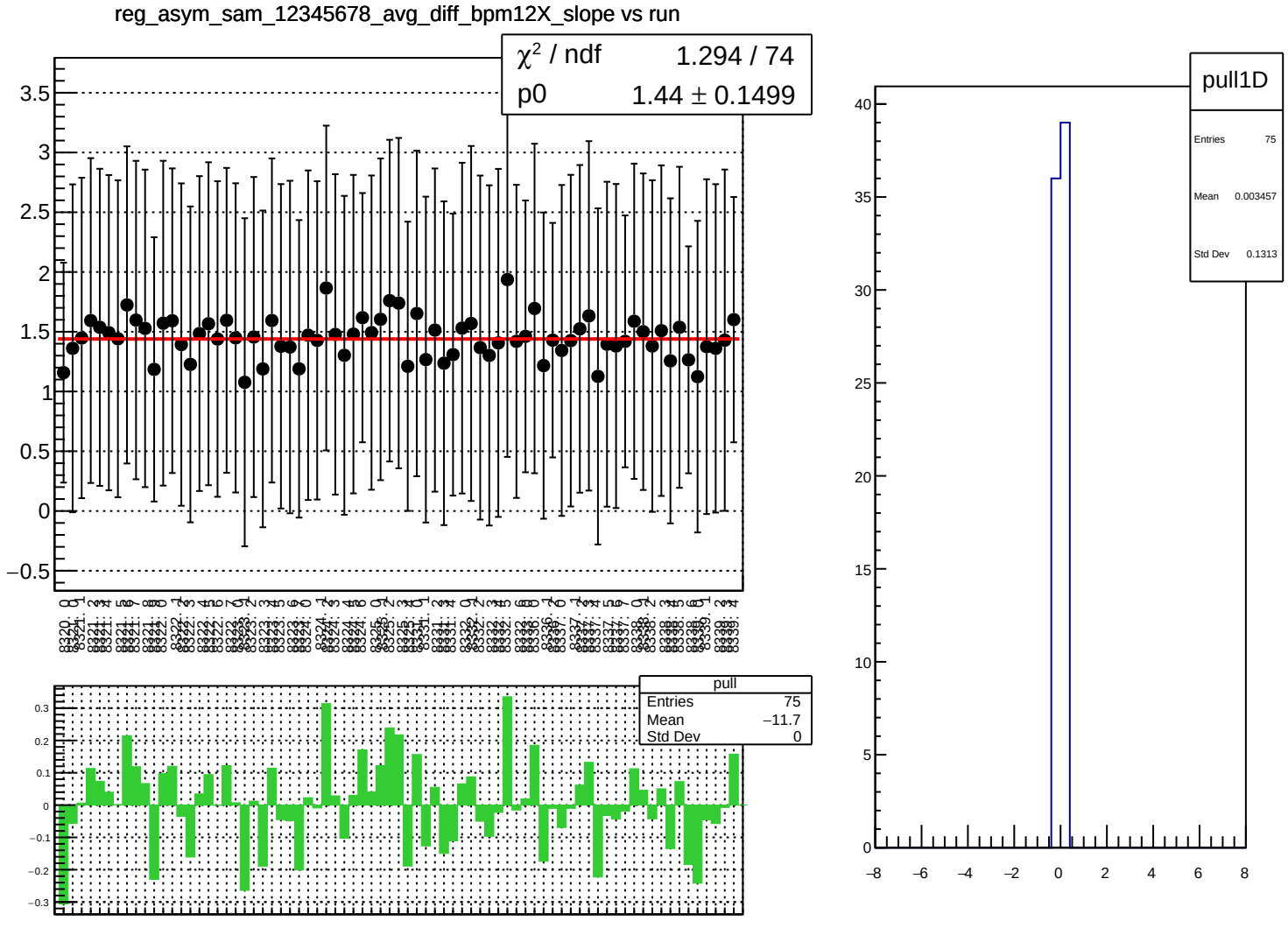

pull1D
Entries 75
Mean 0.0001842
Std Dev 0.106

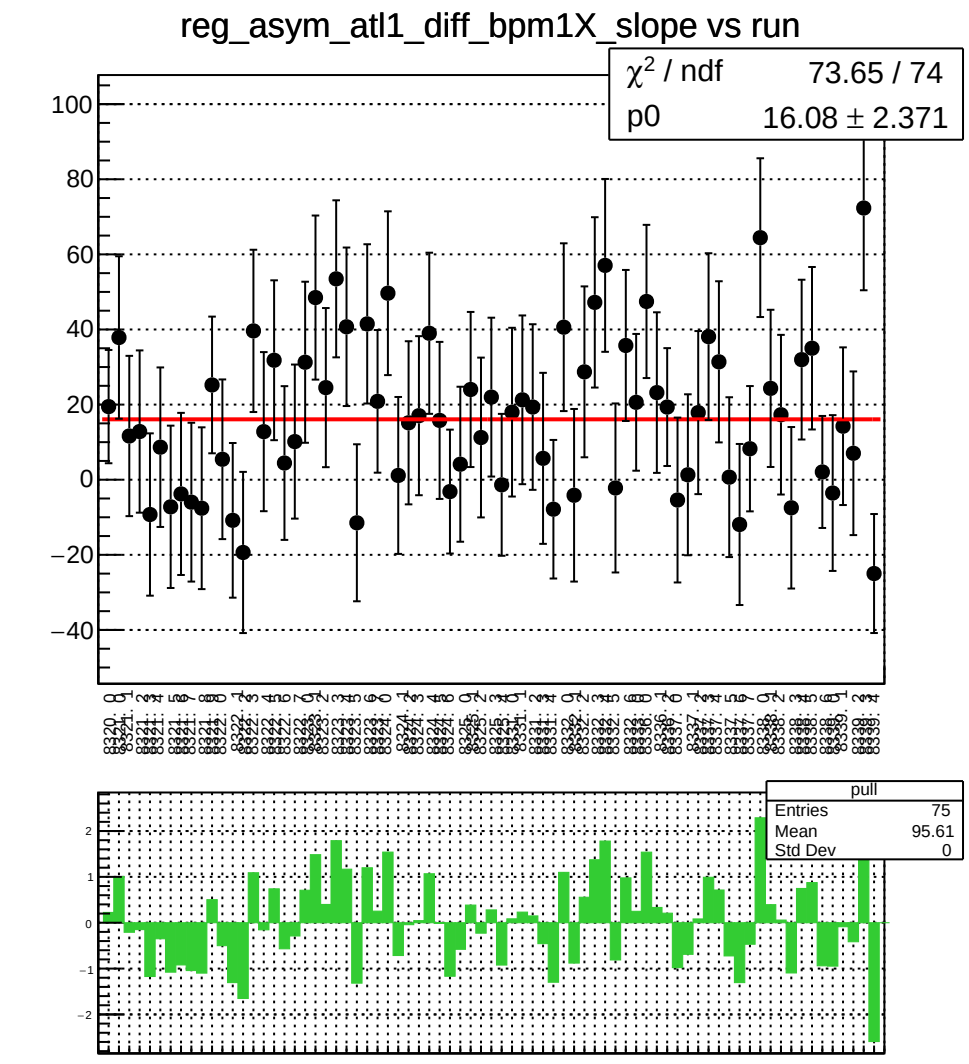

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.309 / 74
p0 −56.47 ± 1.54
pull
Entries 75
Mean −253
Std Dev 0

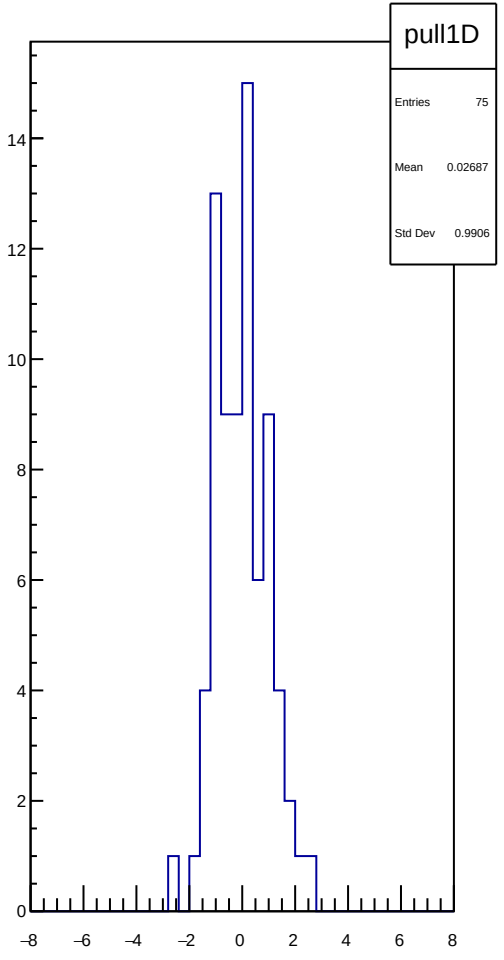

pull1D
Entries 75
Mean 0.003936
Std Dev 0.1321

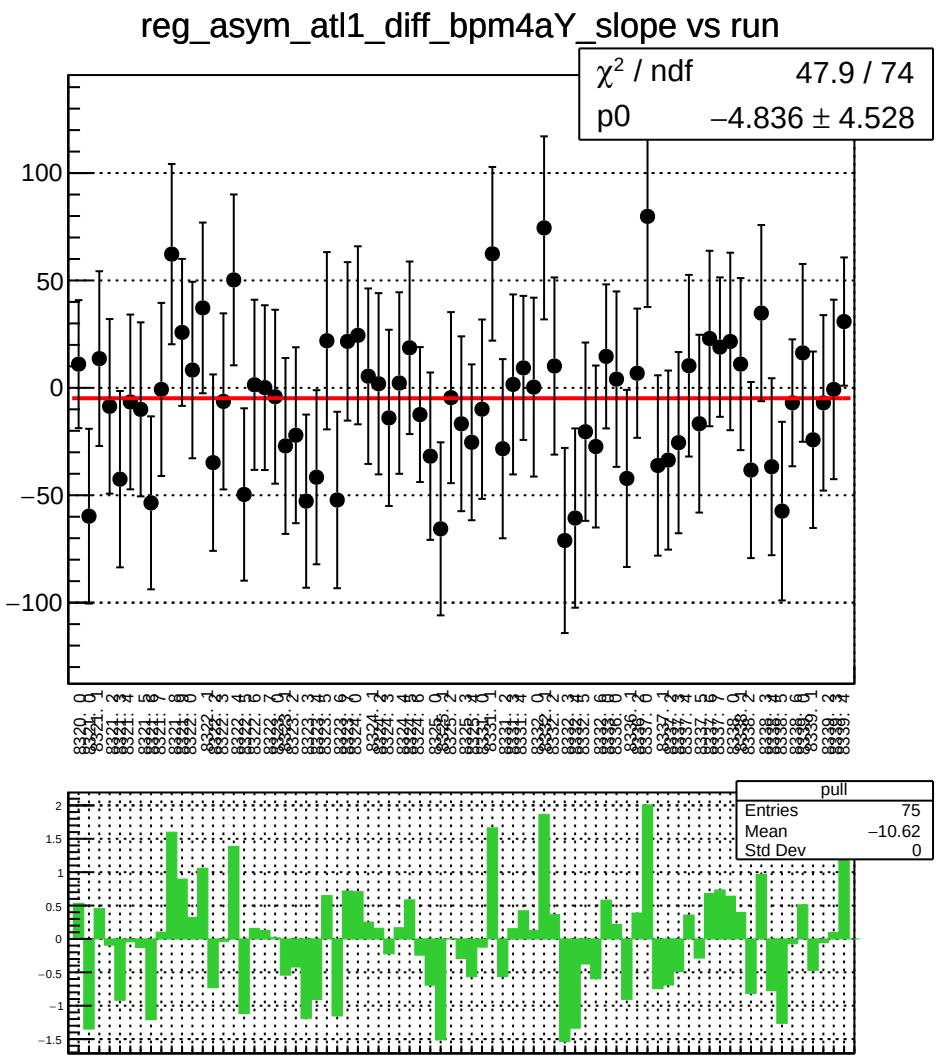

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.912 / 74
p0 18.39 ± 2.684
pull
Entries 75
Mean 1506
Std Dev 0

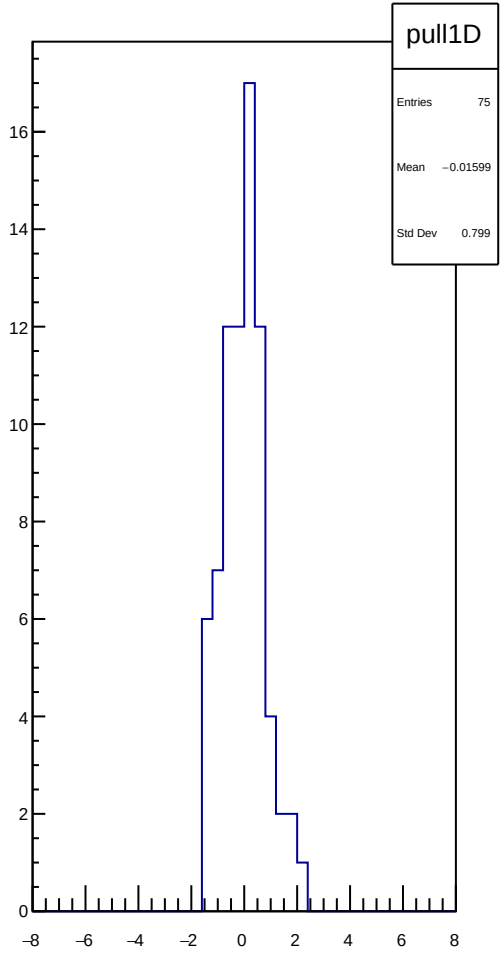

pull1D
Entries 75
Mean 0.0002731
Std Dev 0.1103

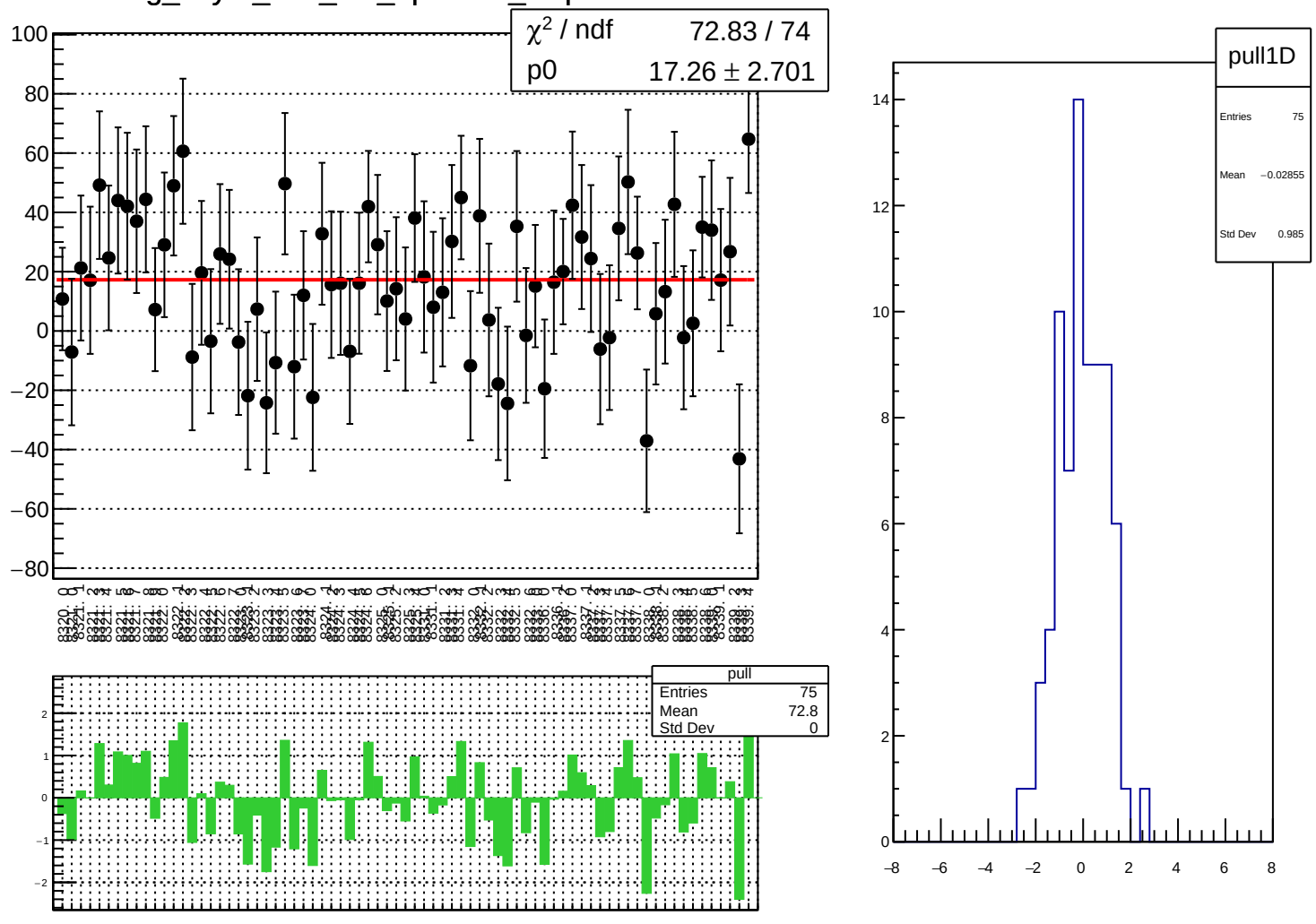

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.294 / 74
p0 1.44 ± 0.1499
pull
Entries 75
Mean −11.7
Std Dev 0
pull1D
Entries 75
Mean 0.003457
Std Dev 0.1313

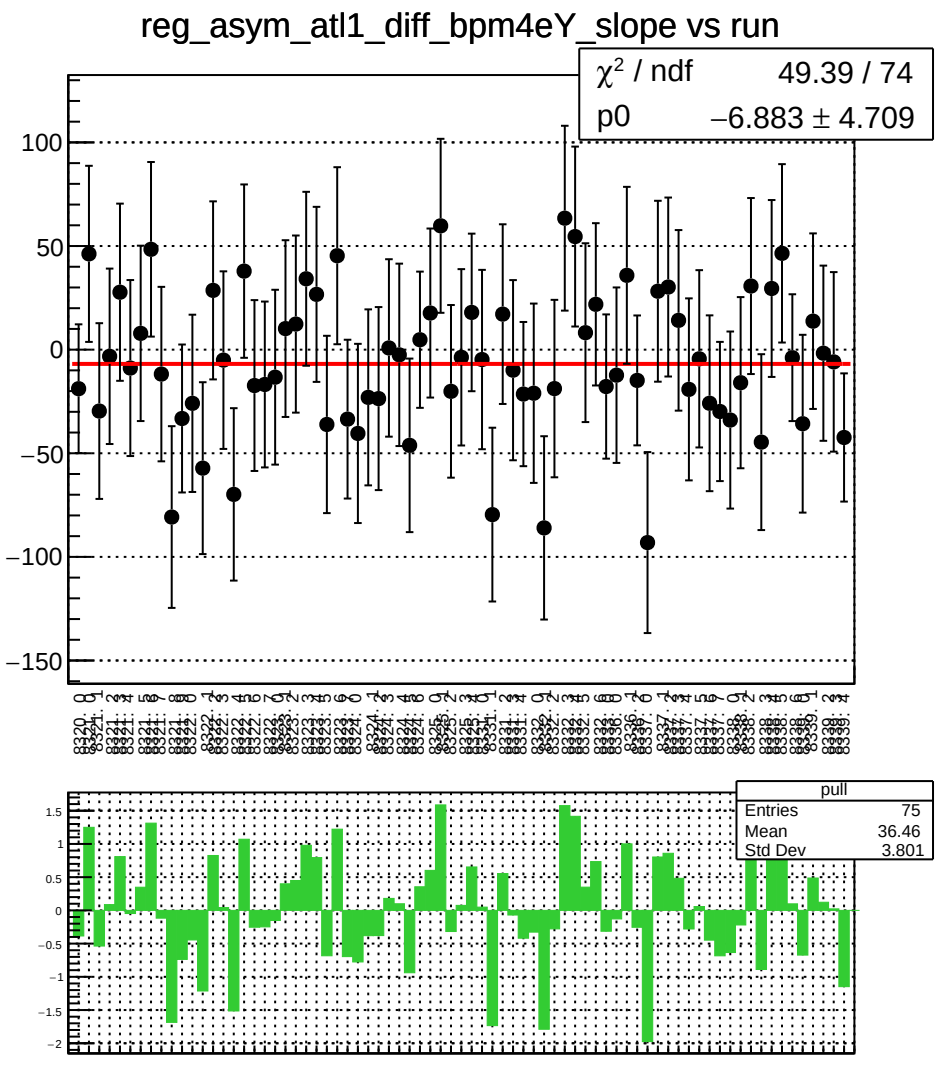

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 73.65 / 74
p0 16.08 ± 2.371
pull
Entries 75
Mean 95.61
Std Dev 0

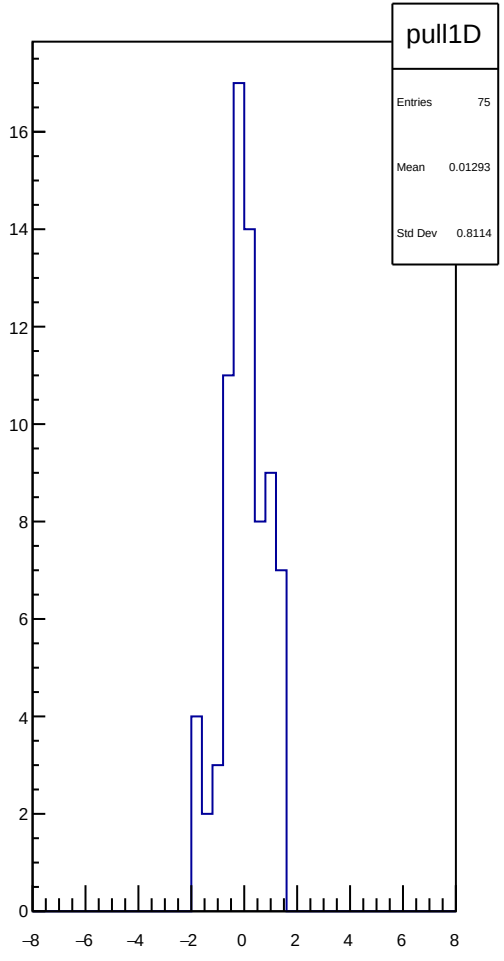

pull1D
Entries 75
Mean 0.02687
Std Dev 0.9906

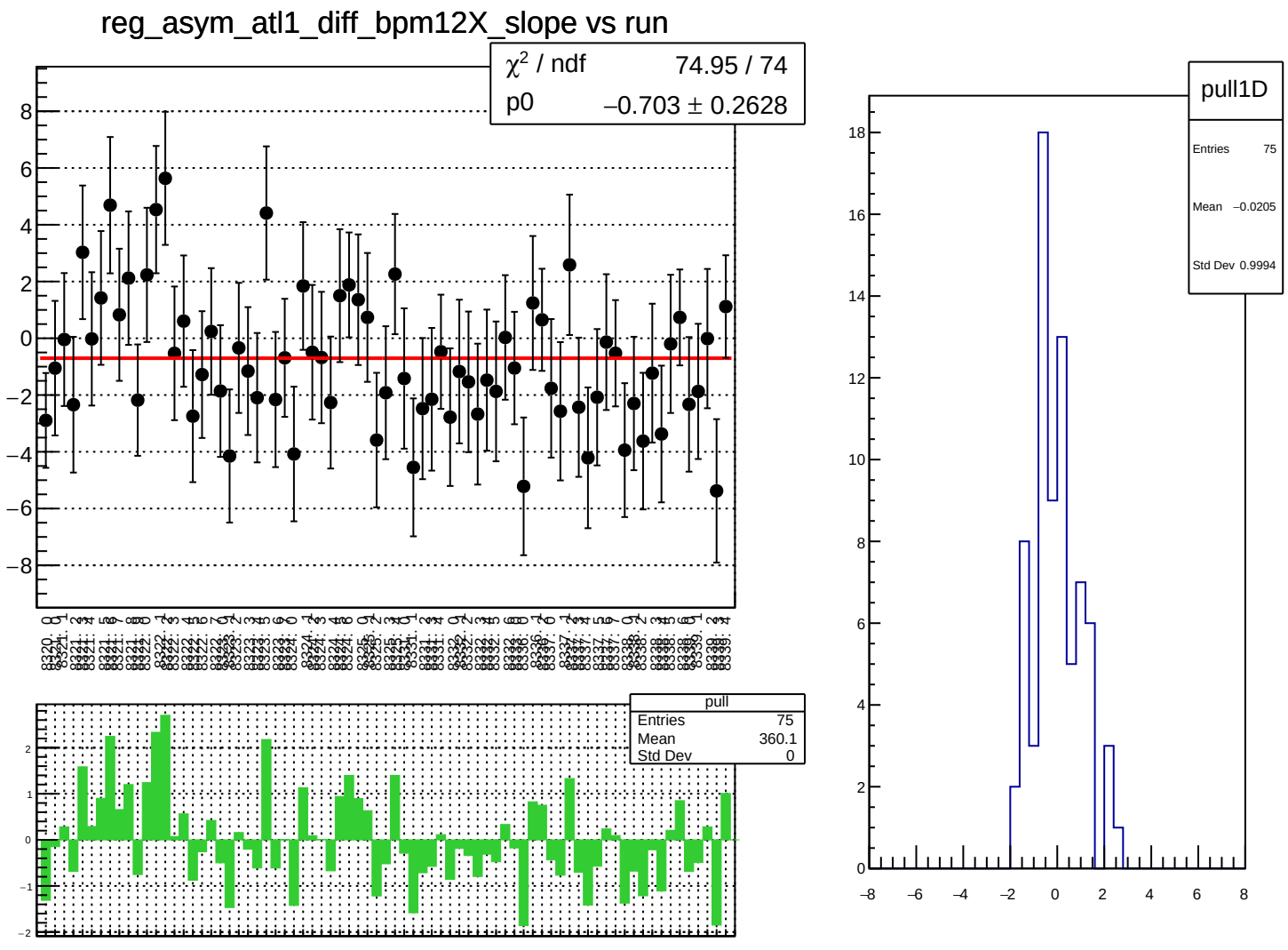

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 47.9 / 74
p0 −4.836 ± 4.528
100
50
0
−50
−100
pull
Entries 75
Mean −10.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

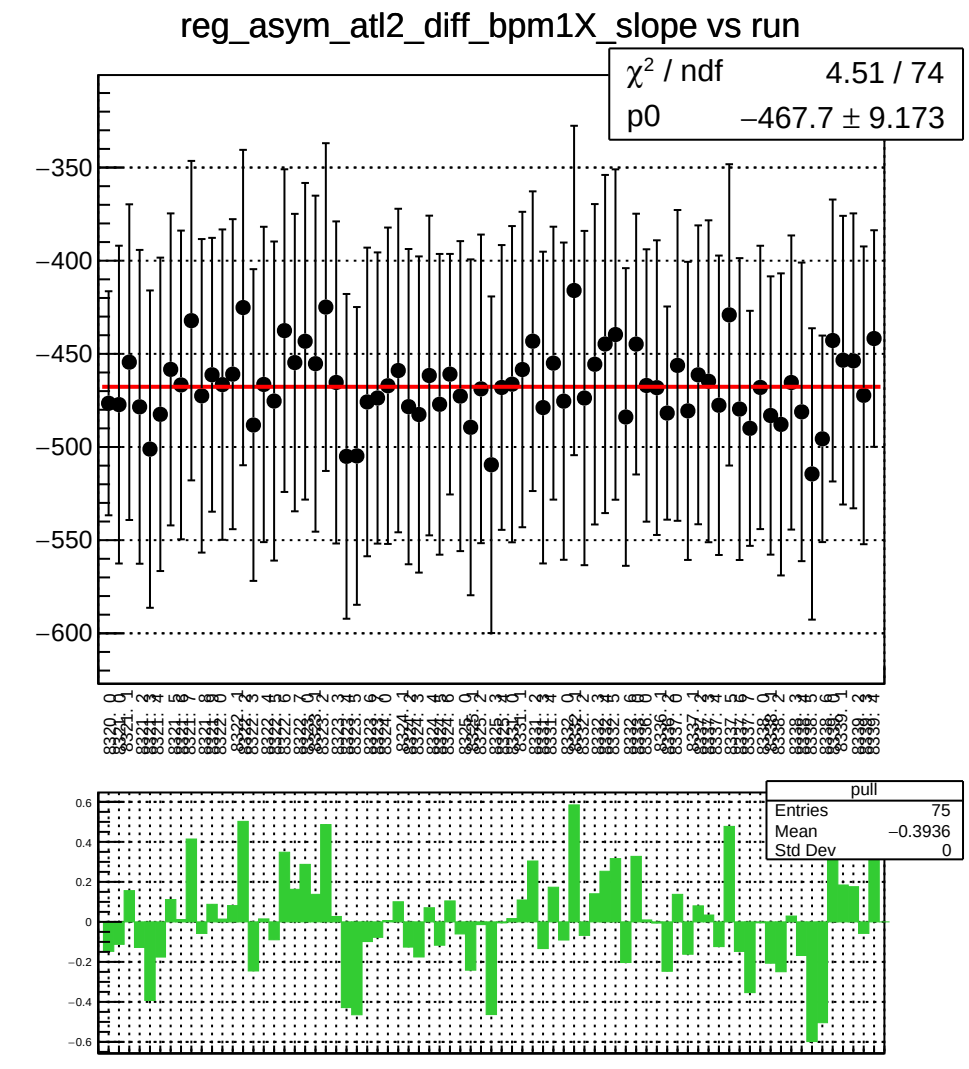

pull1D
Entries 75
Mean −0.01599
Std Dev 0.799
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

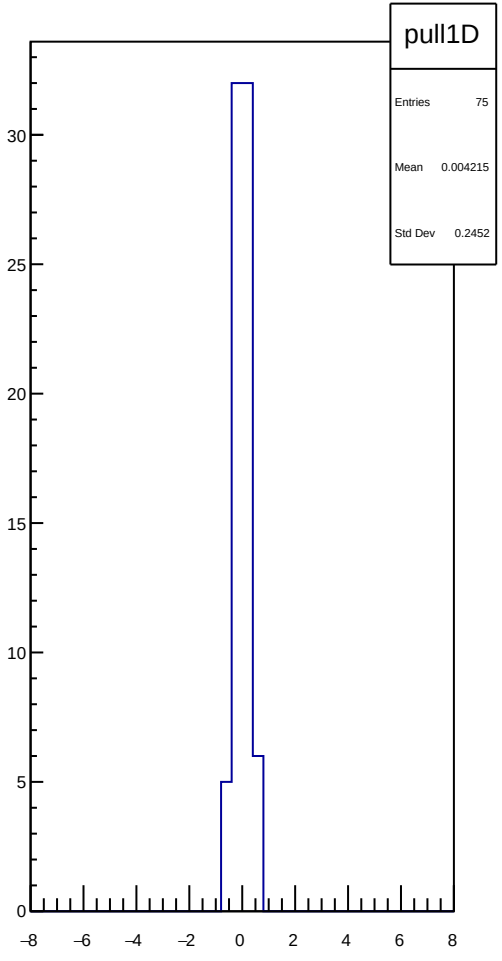

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 72.83 / 74
p0 17.26 ± 2.701
pull
Entries 75
Mean 72.8
Std Dev 0
pull1D
Entries 75
Mean −0.02855
Std Dev 0.985

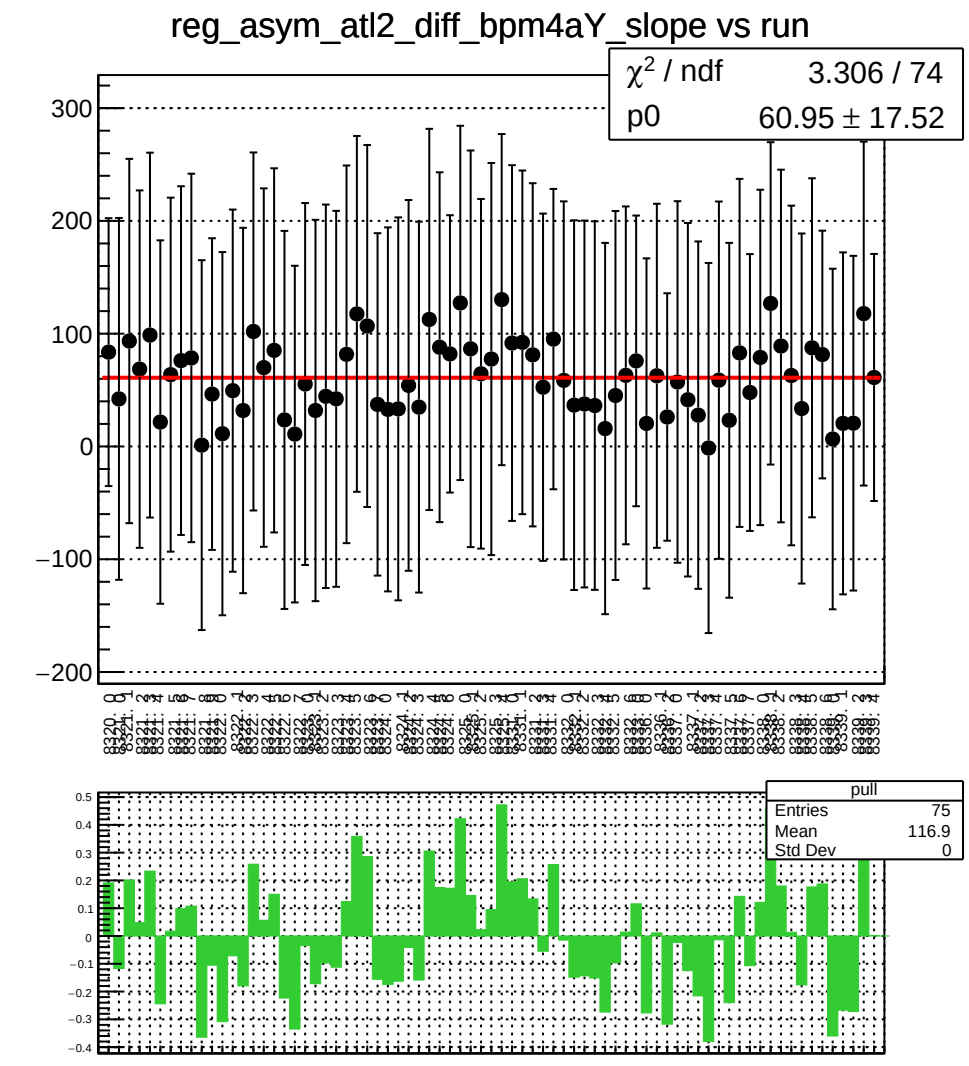

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.39 / 74
p0 −6.883 ± 4.709
pull
Entries 75
Mean 36.46
Std Dev 3.801

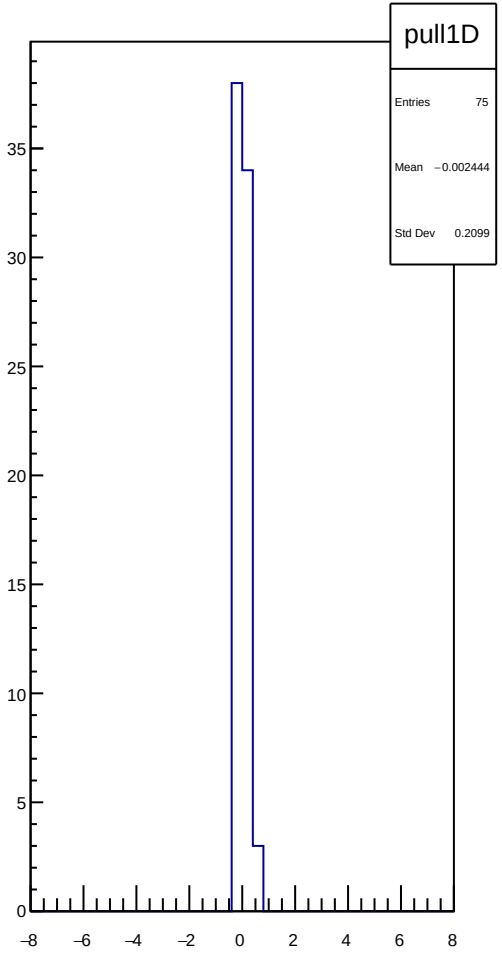

pull1D
Entries 75
Mean 0.01293
Std Dev 0.8114

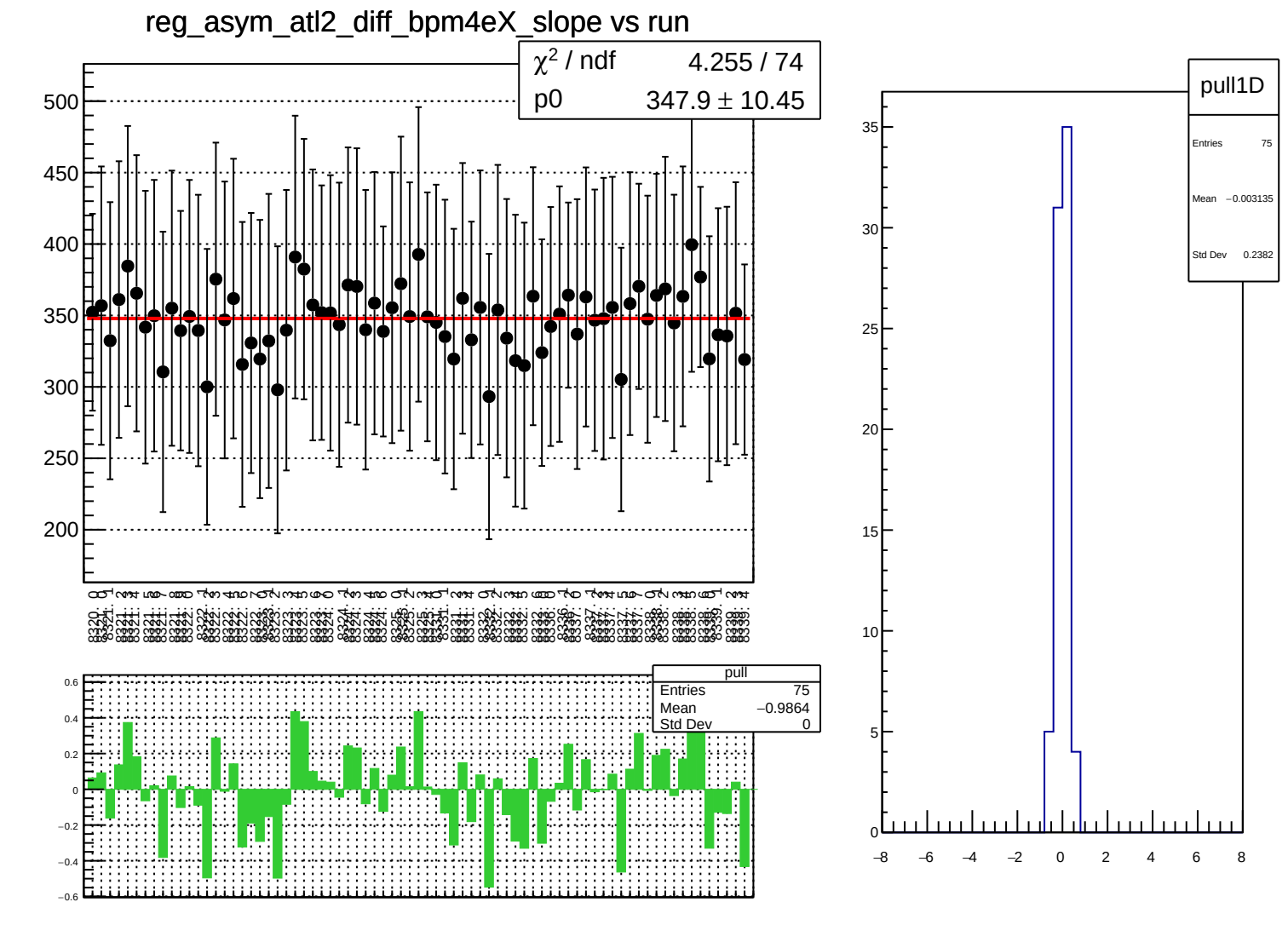

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 74.95 / 74
p0 −0.703 ± 0.2628
pull
Entries 75
Mean 360.1
Std Dev 0
pull1D
Entries 75
Mean −0.0205
Std Dev 0.9994

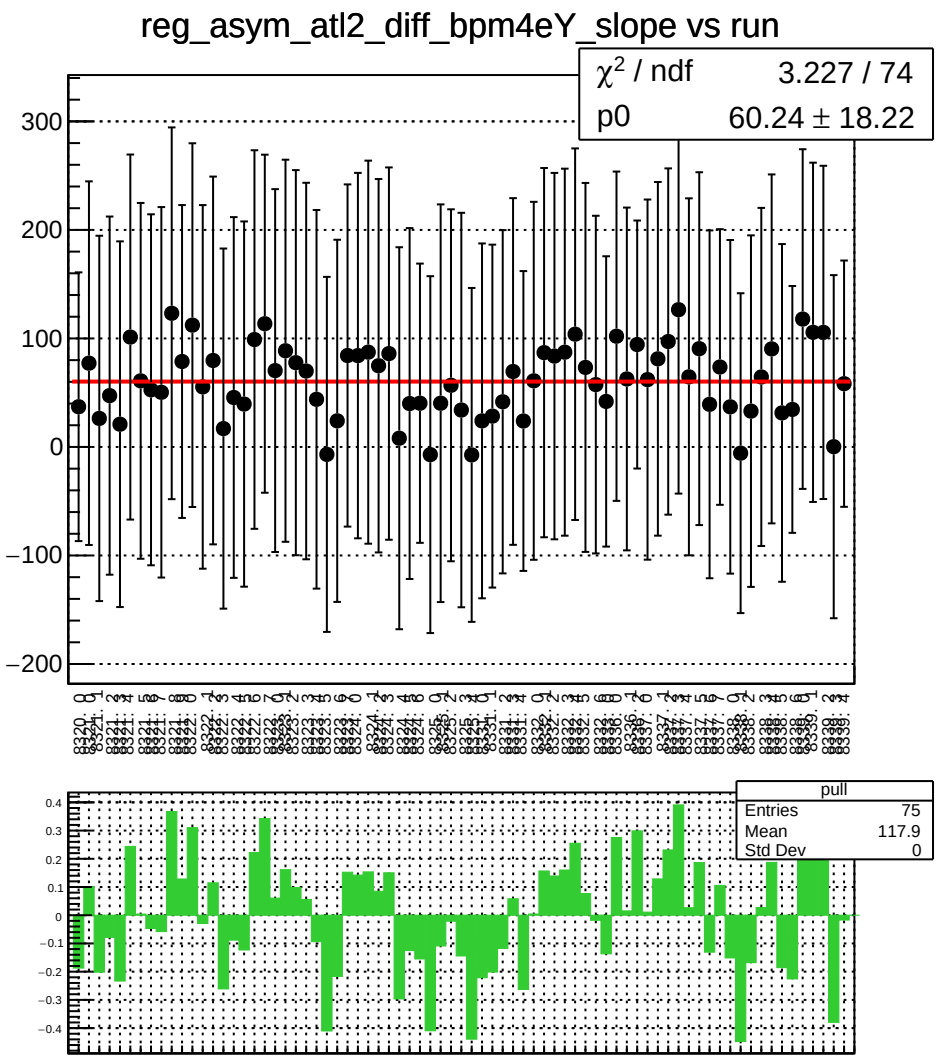

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 4.51 / 74
p0 −467.7 ± 9.173
pull
Entries 75
Mean −0.3936
Std Dev 0

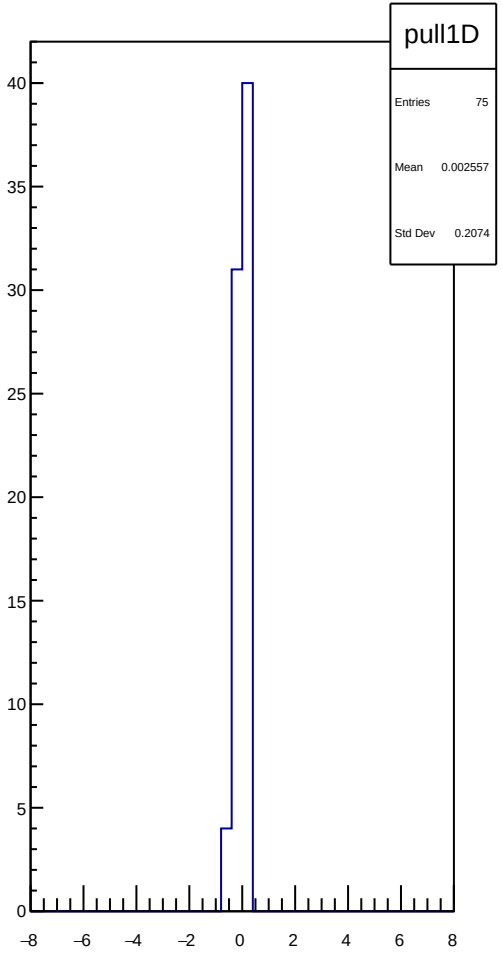

pull1D
Entries 75
Mean 0.004215
Std Dev 0.2452

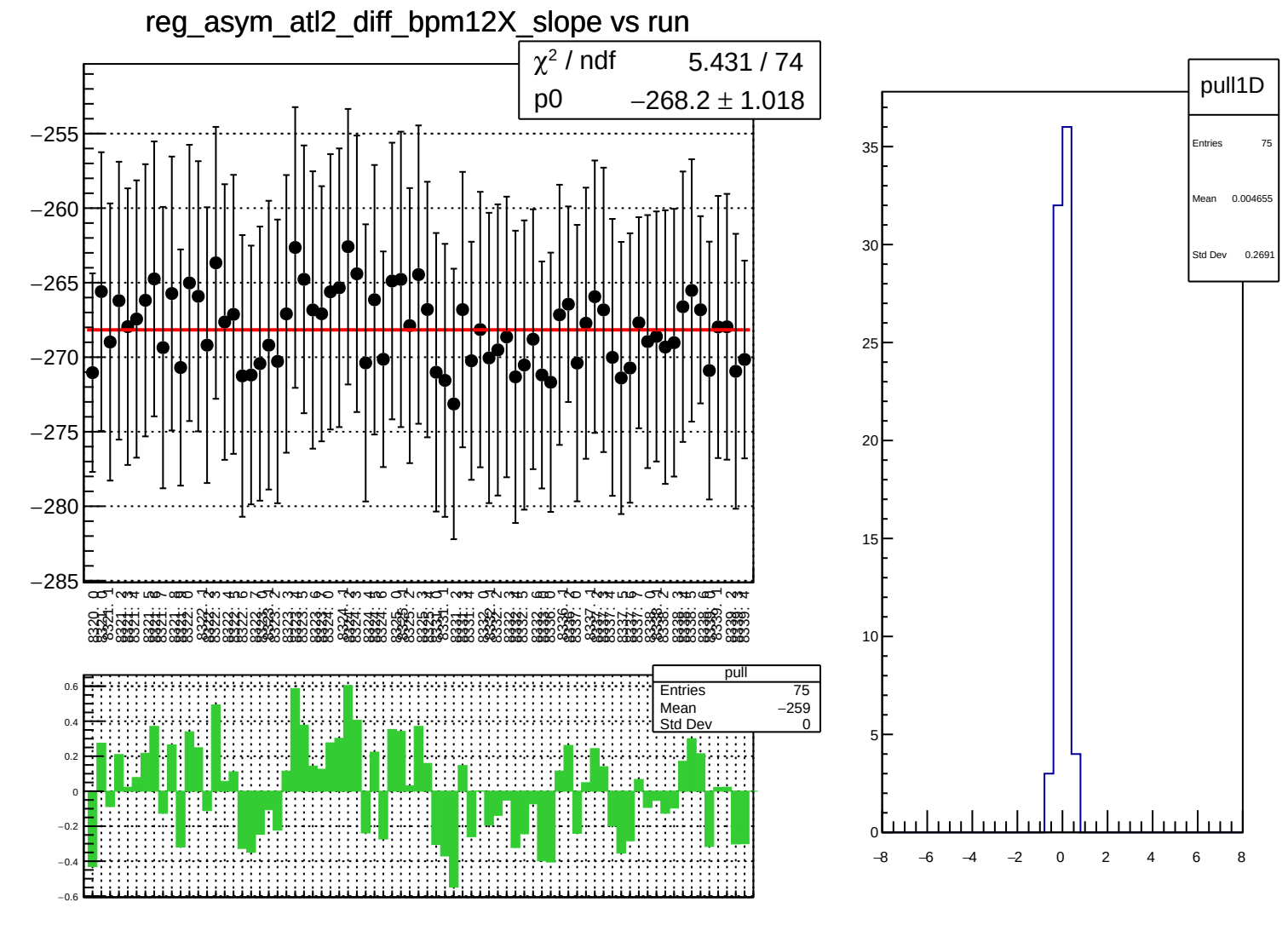

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.306 / 74
p0 60.95 ± 17.52
pull
Entries 75
Mean 116.9
Std Dev 0

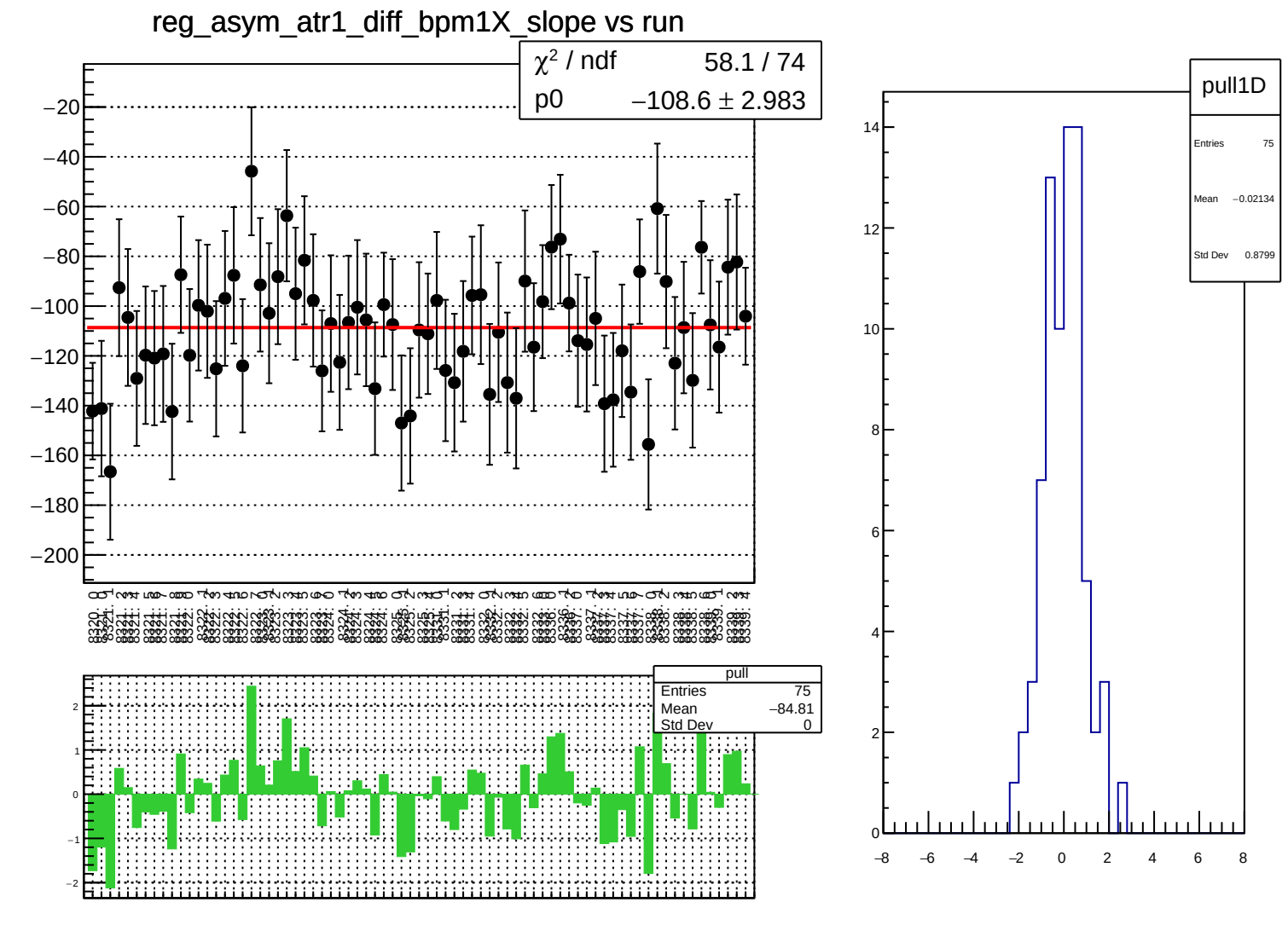

pull1D
Entries 75
Mean −0.002444
Std Dev 0.2099

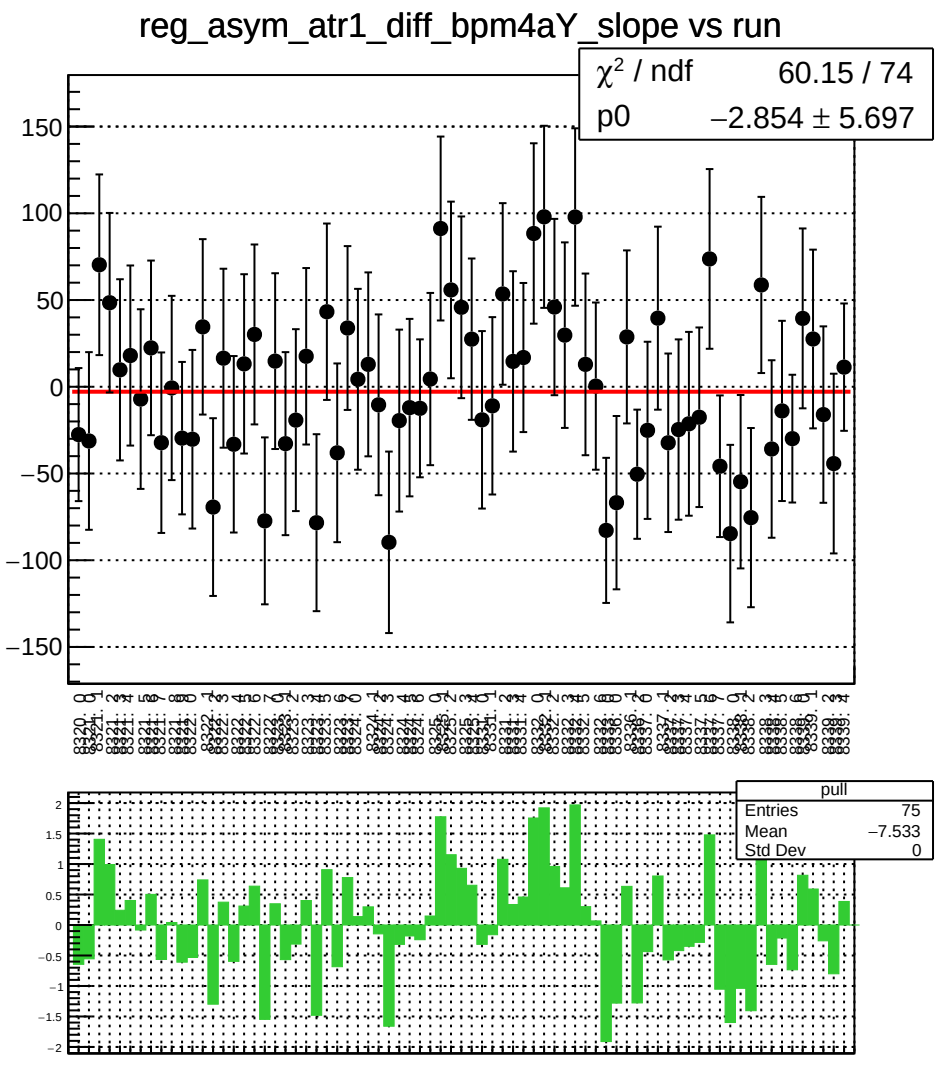

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 4.255 / 74
p0 347.9 ± 10.45
pull
Entries 75
Mean −0.9864
Std Dev 0
pull1D
Entries 75
Mean −0.003135
Std Dev 0.2382

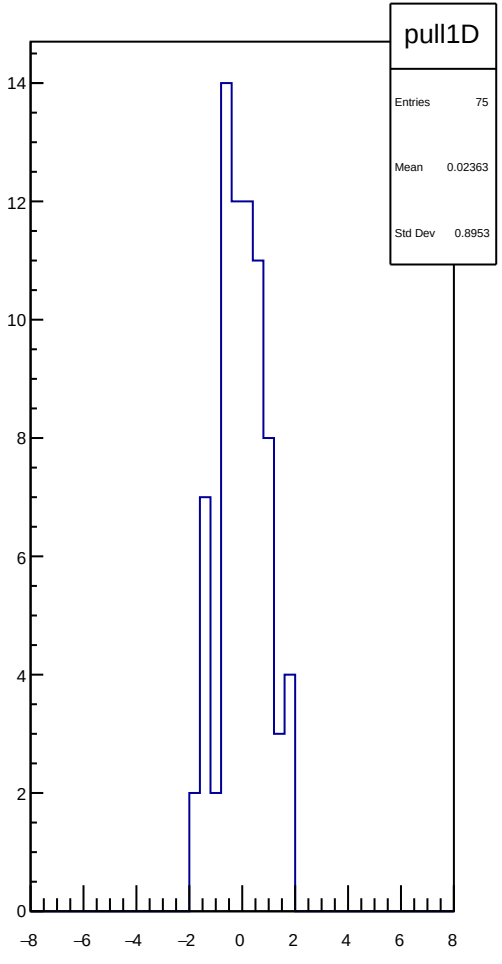

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.227 / 74
p0 60.24 ± 18.22
pull
Entries 75
Mean 117.9
Std Dev 0

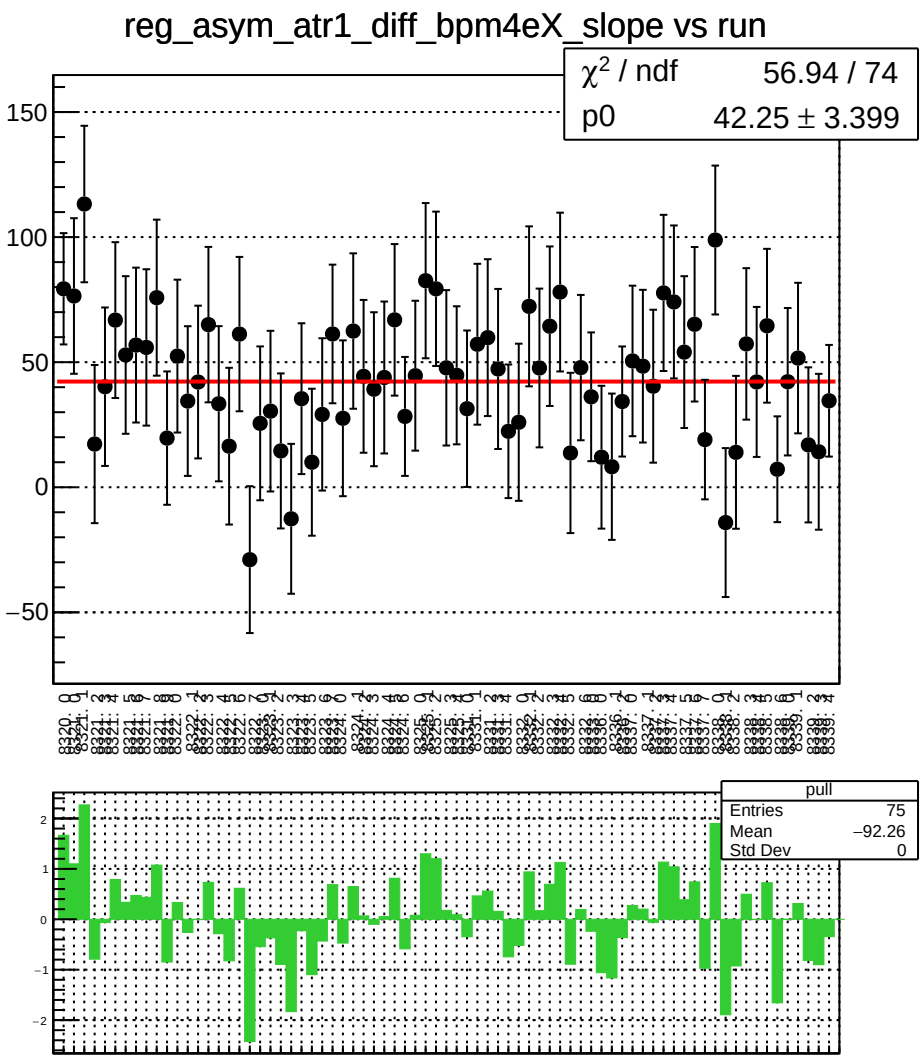

pull1D
Entries 75
Mean 0.002557
Std Dev 0.2074

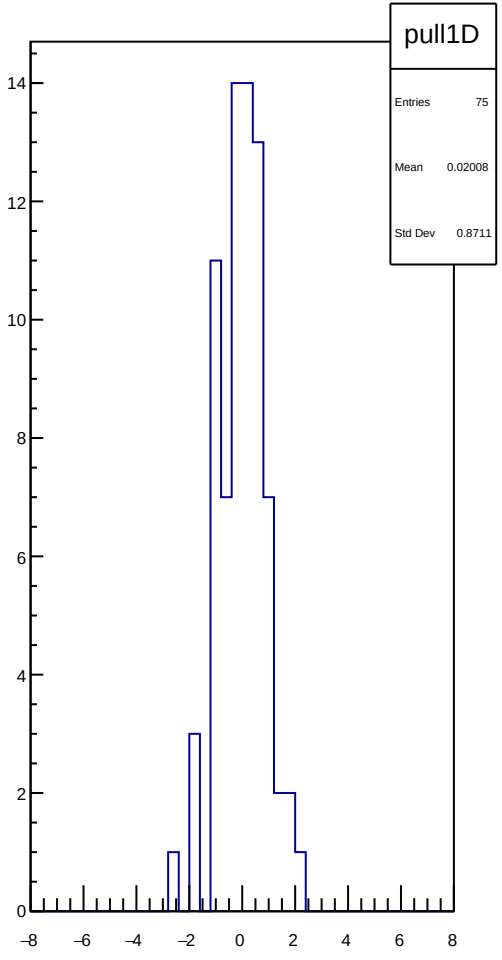

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 5.431 / 74
p0 −268.2 ± 1.018
pull
Entries 75
Mean −259
Std Dev 0
pull1D
Entries 75
Mean 0.004655
Std Dev 0.2691

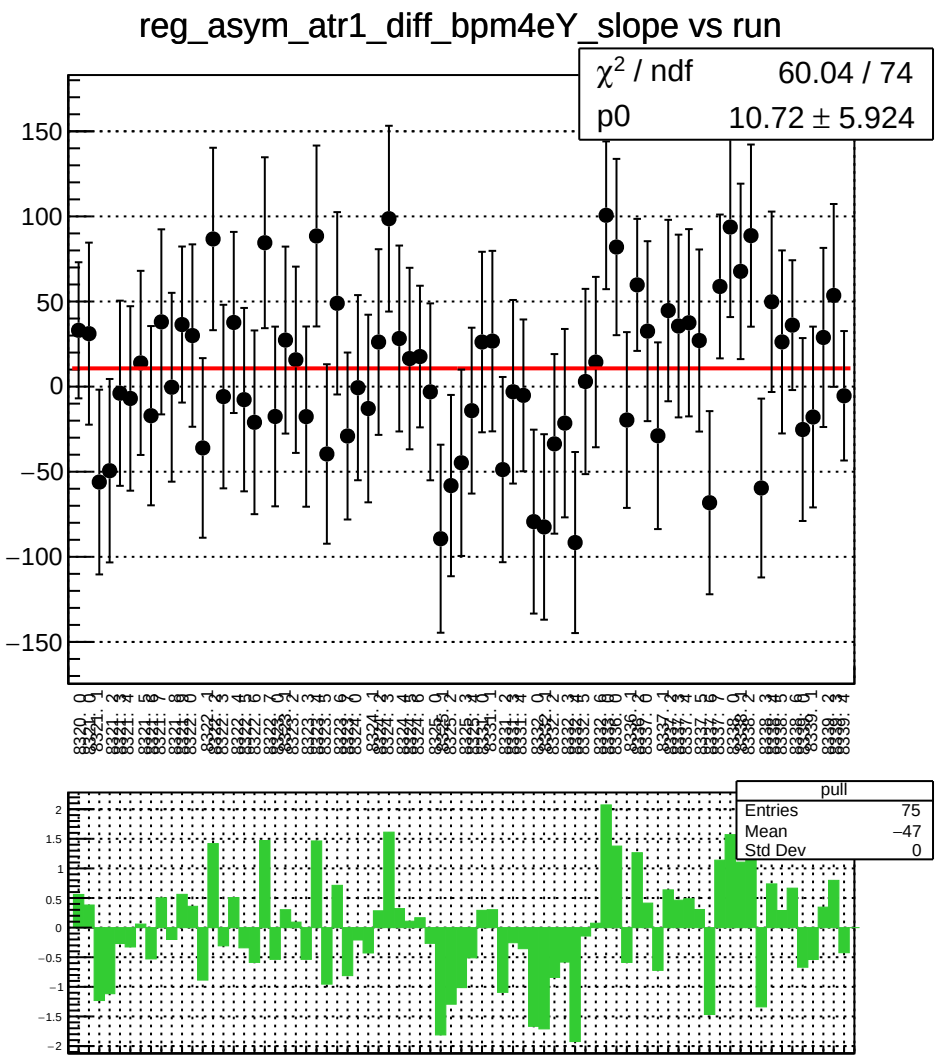

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 58.1 / 74
p0 −108.6 ± 2.983
pull
Entries 75
Mean −84.81
Std Dev 0
pull1D
Entries 75
Mean −0.02134
Std Dev 0.8799

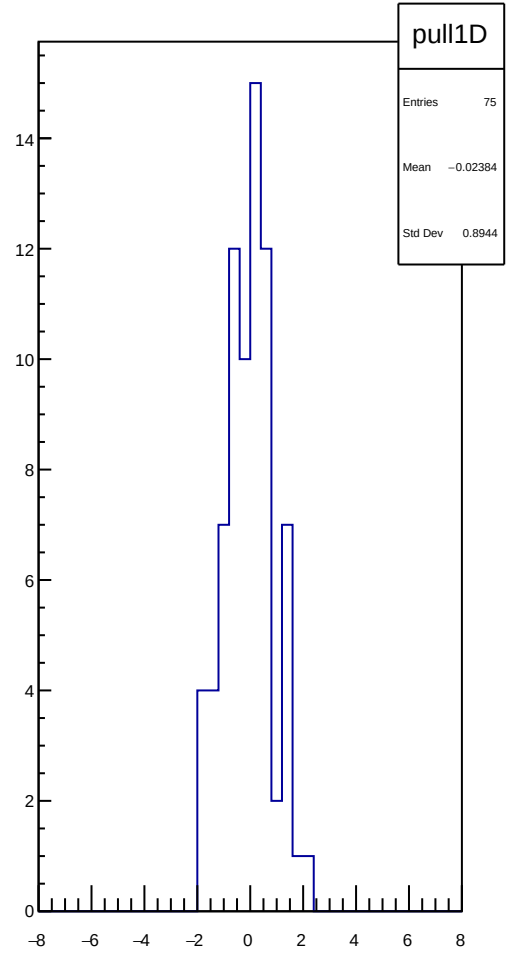

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 60.15 / 74
p0 −2.854 ± 5.697
pull
Entries 75
Mean −7.533
Std Dev 0

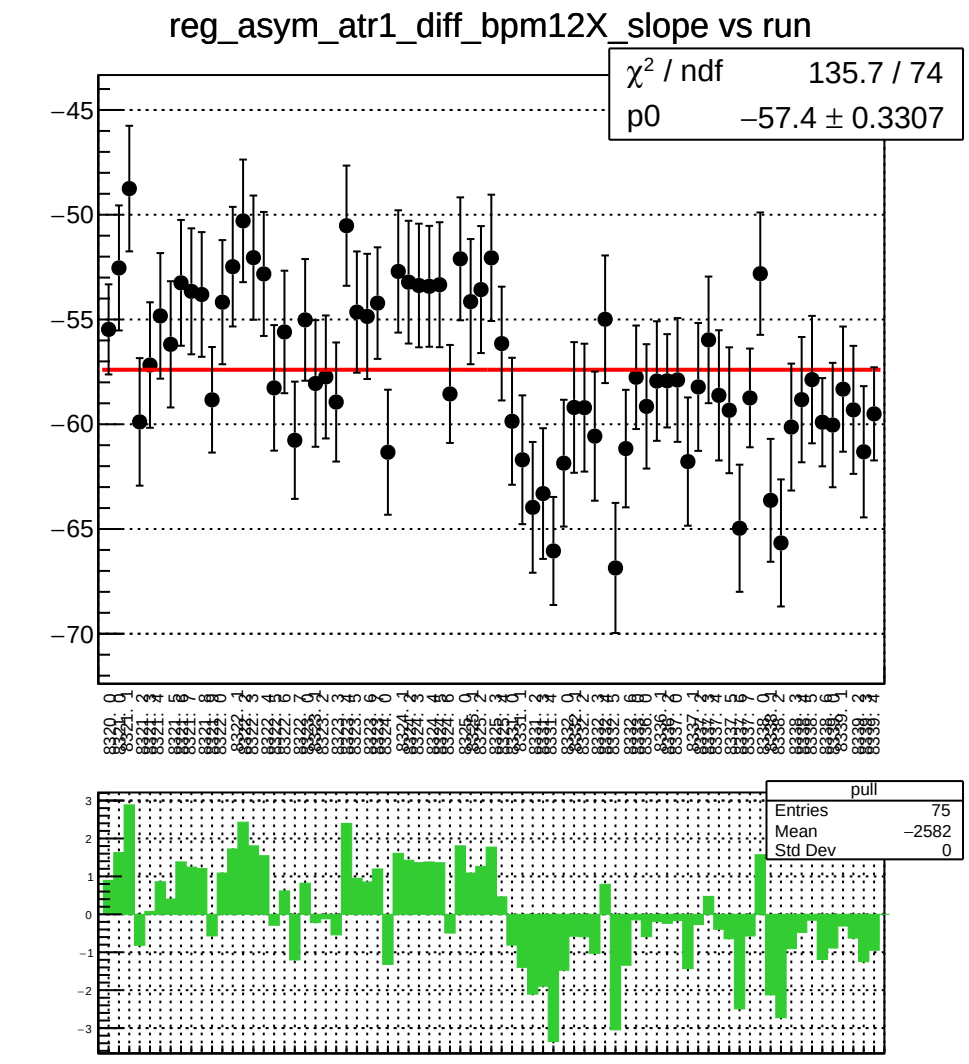

pull1D
Entries 75
Mean 0.02363
Std Dev 0.8953

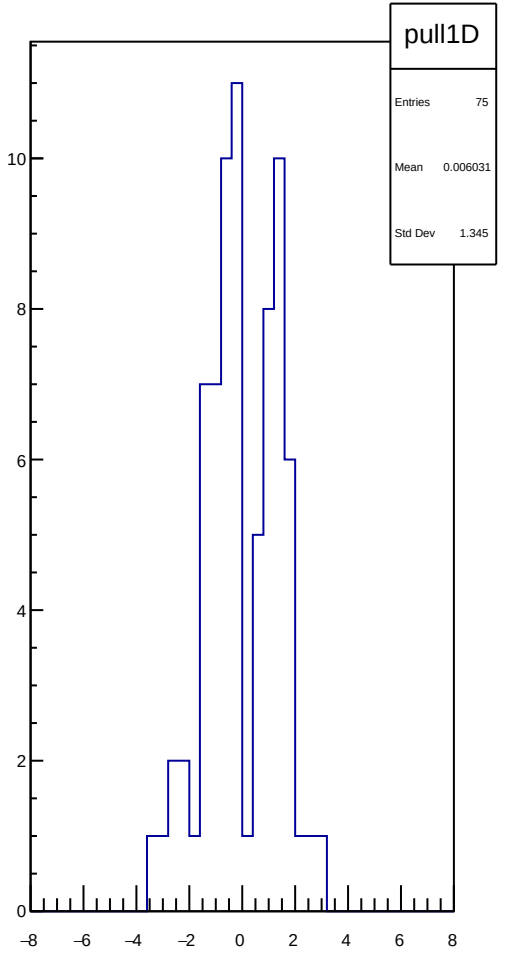

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 56.94 / 74
p0 42.25 ± 3.399
150
100
50
0
−50
pull
Entries 75
Mean −92.26
Std Dev 0
2
1
0
−1
−2

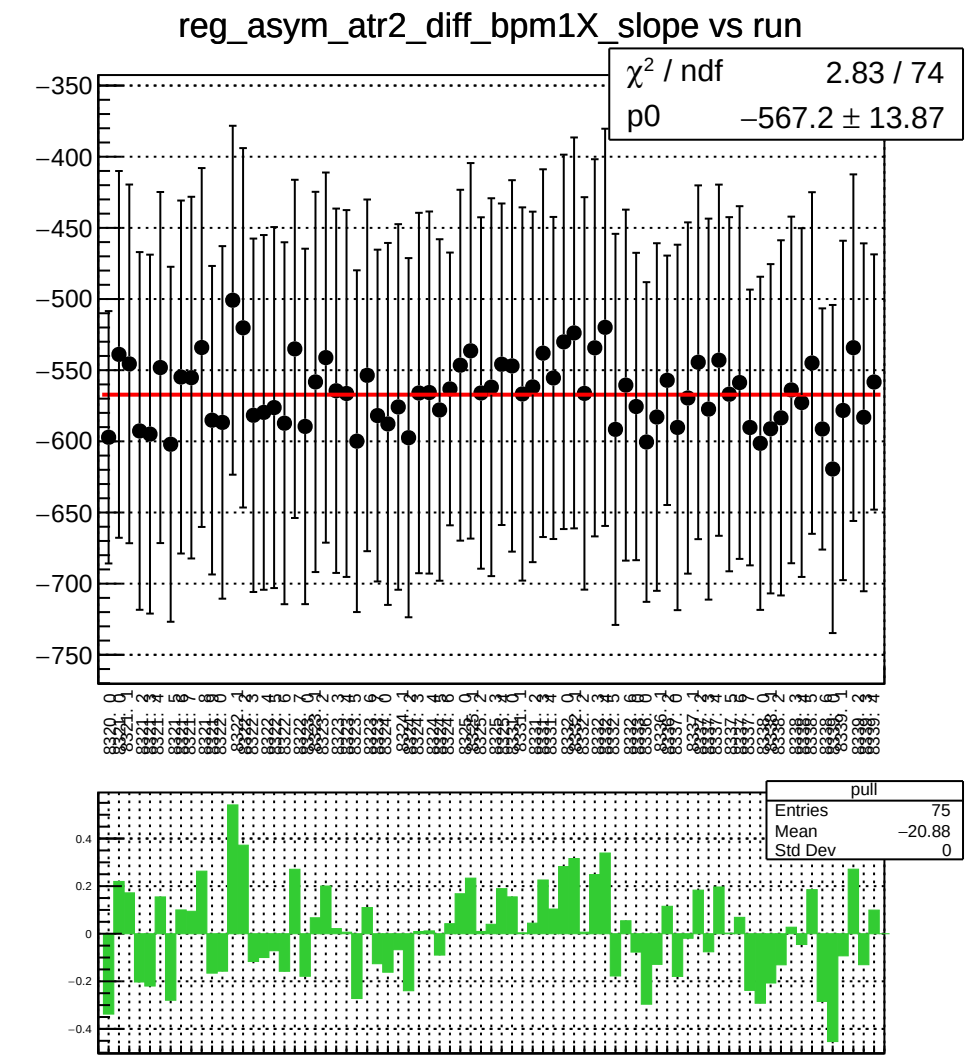

pull1D
Entries 75
Mean 0.02008
Std Dev 0.8711
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

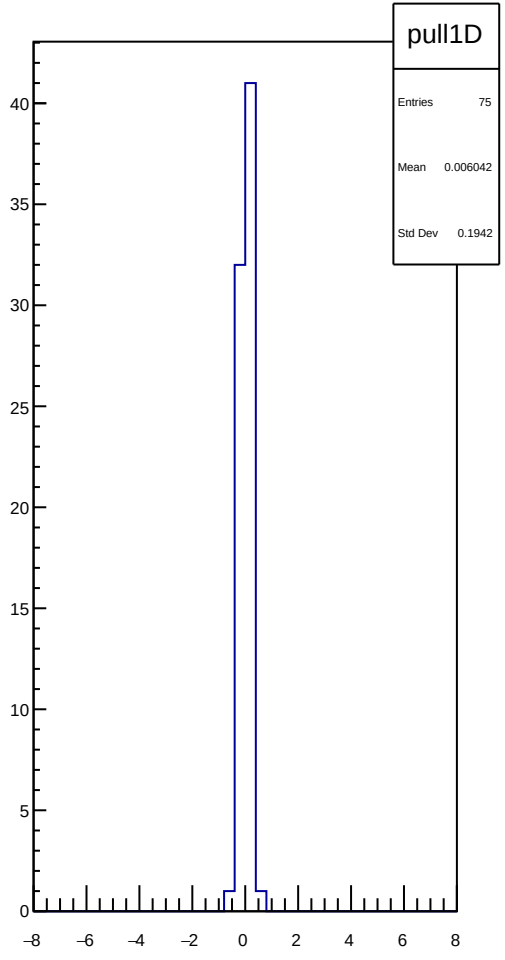

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 60.04 / 74
p0 10.72 ± 5.924
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean −47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

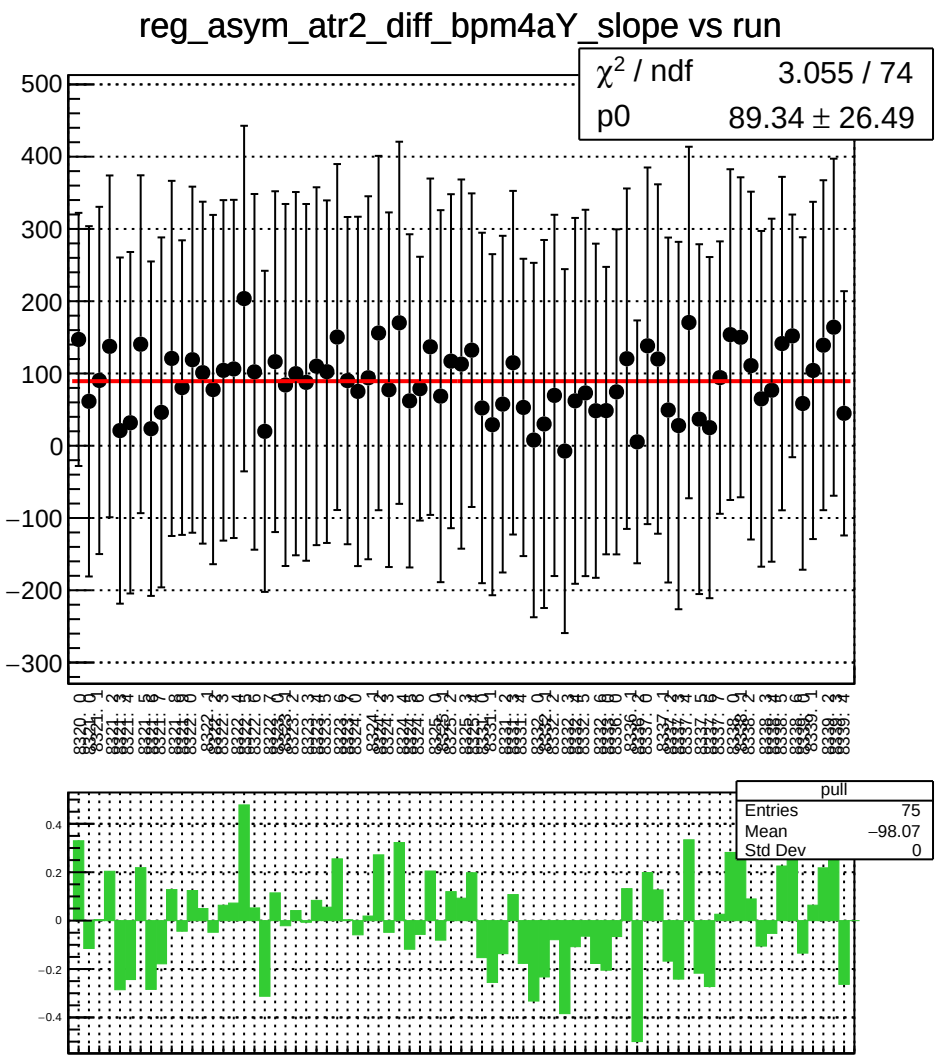

pull1D
Entries 75
Mean −0.02384
Std Dev 0.8944
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

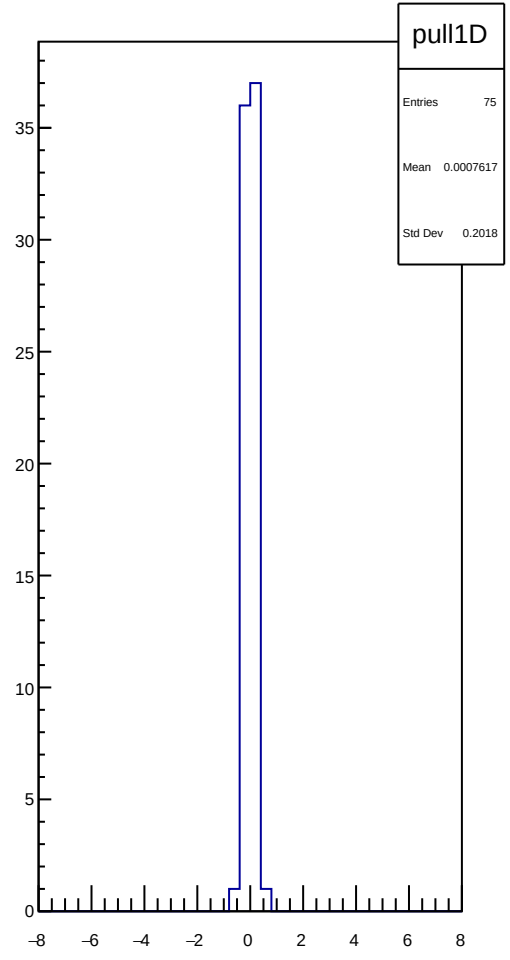

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 135.7 / 74
p0 −57.4 ± 0.3307
−45
−50
−55
−60
−65
−70
pull
Entries 75
Mean −2582
Std Dev 0
3
2
1
0
−1
−2
−3

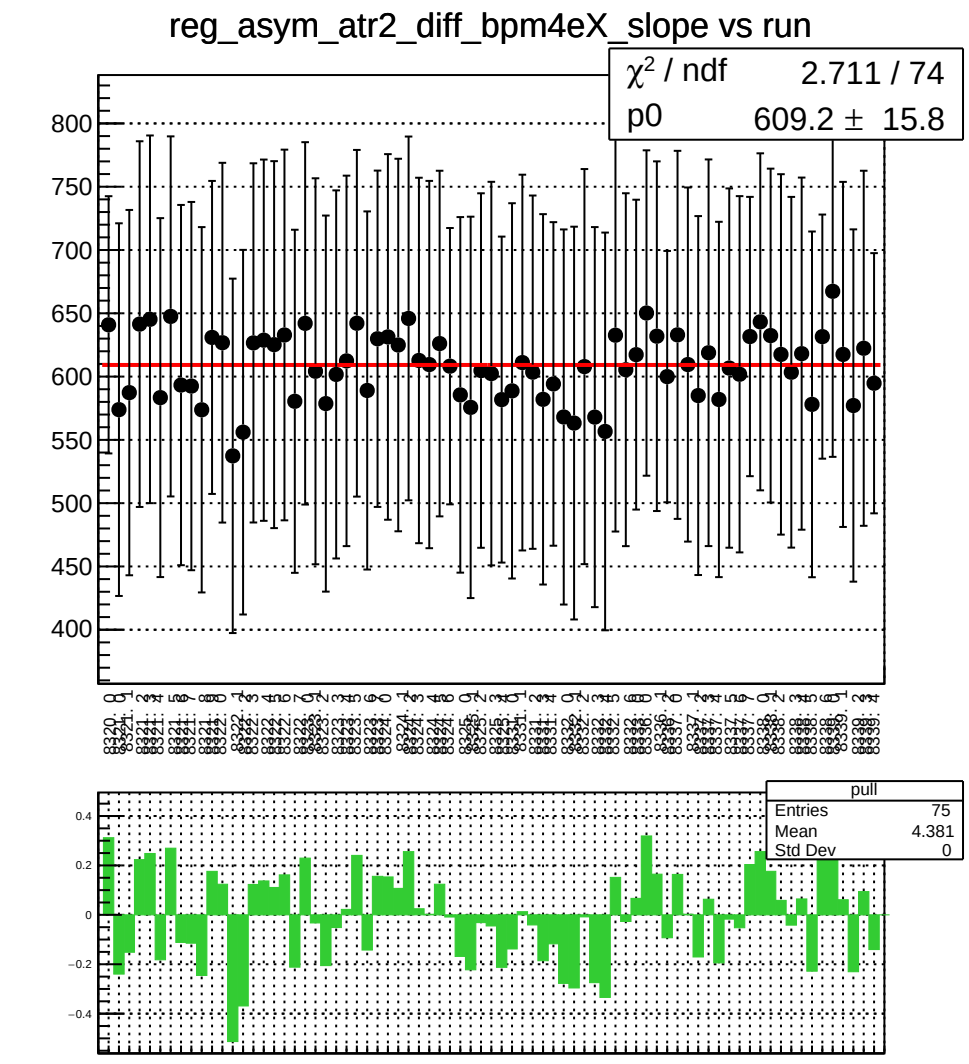

pull1D
Entries 75
Mean 0.006031
Std Dev 1.345
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

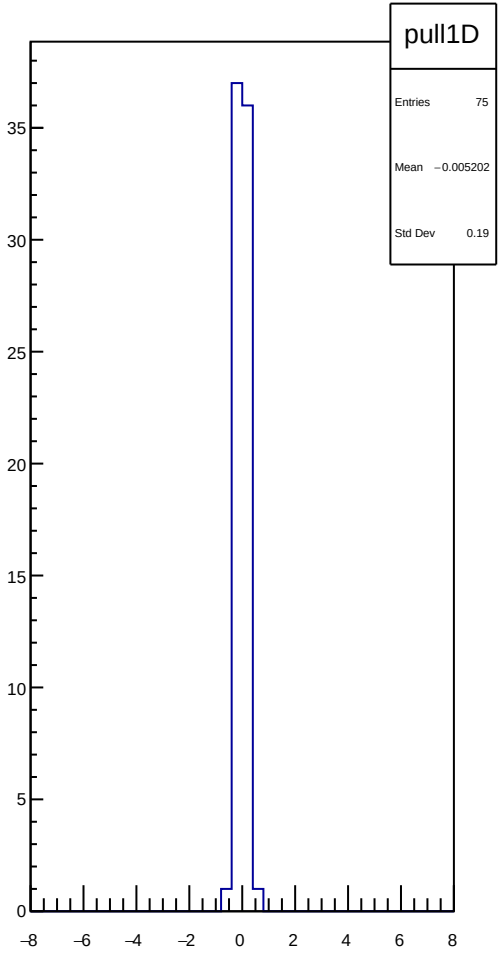

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 2.83 / 74
p0 −567.2 ± 13.87
pull
Entries 75
Mean −20.88
Std Dev 0

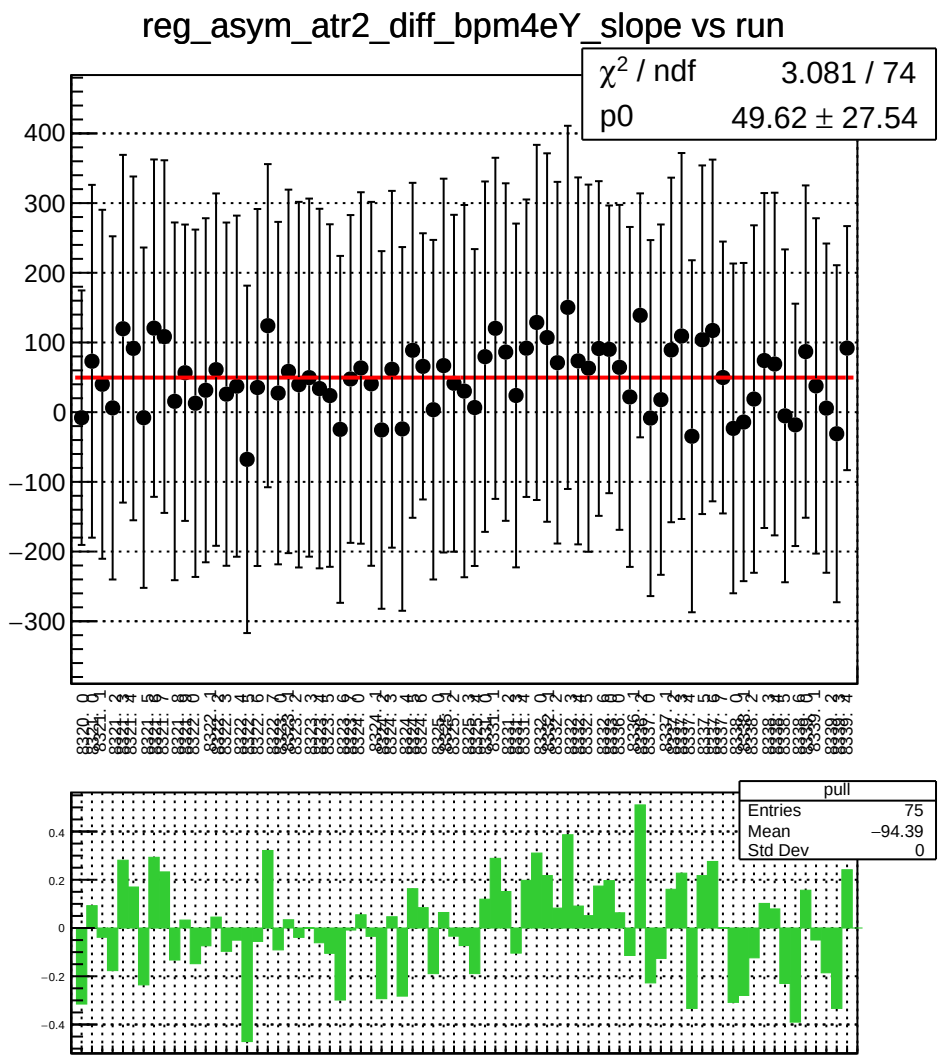

pull1D
Entries 75
Mean 0.006042
Std Dev 0.1942

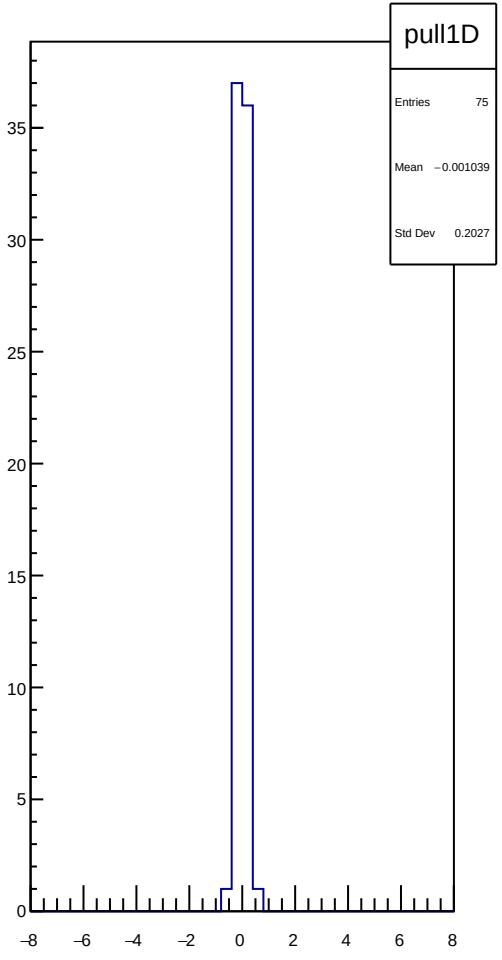

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.055 / 74
p0 89.34 ± 26.49
pull
Entries 75
Mean −98.07
Std Dev 0

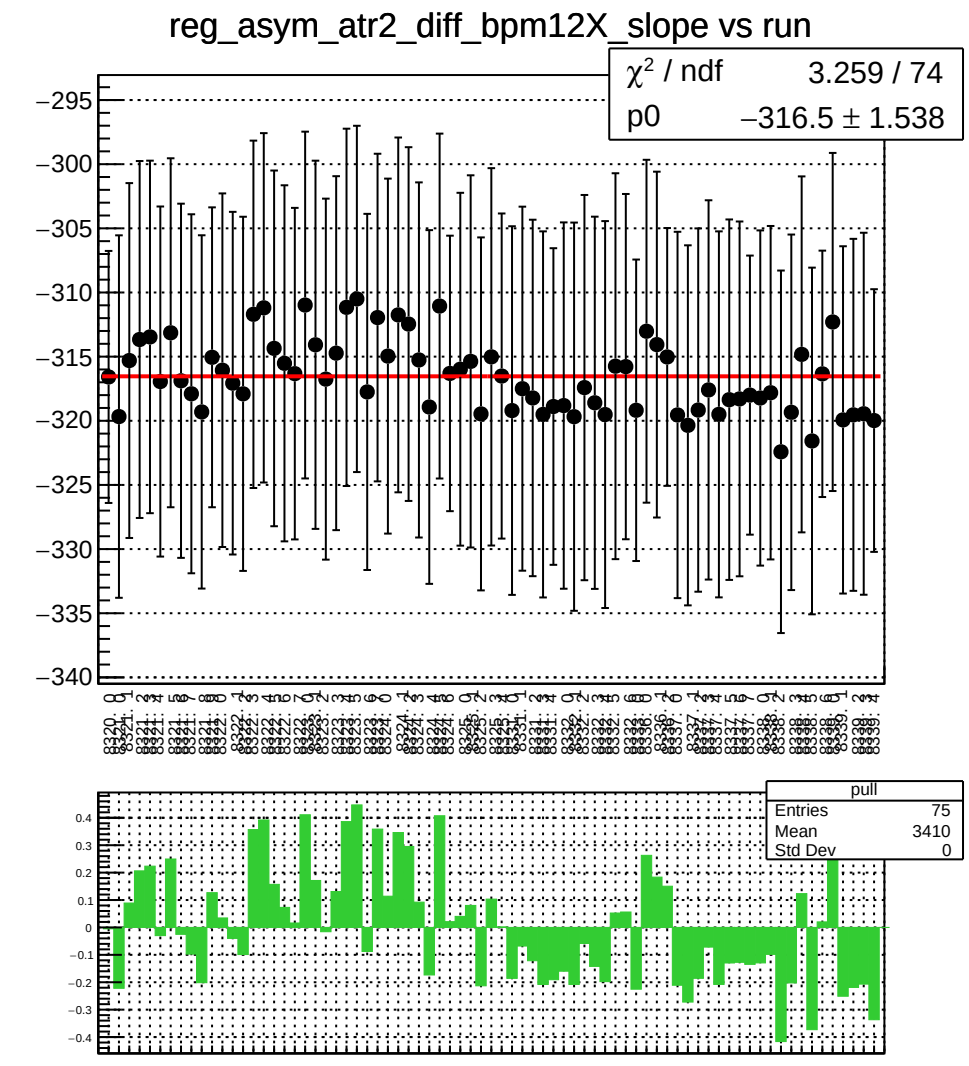

pull1D
Entries 75
Mean 0.0007617
Std Dev 0.2018

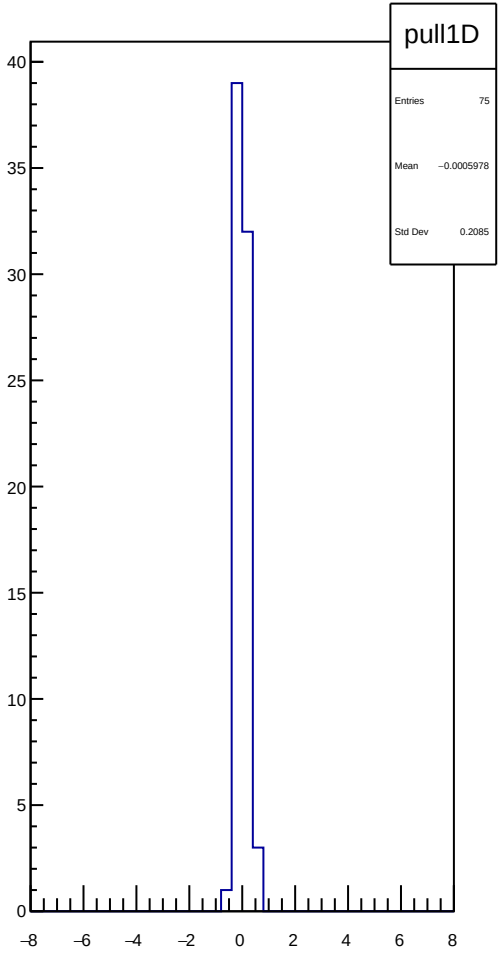

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 2.711 / 74
p0 609.2 ± 15.8
pull
Entries 75
Mean 4.381
Std Dev 0

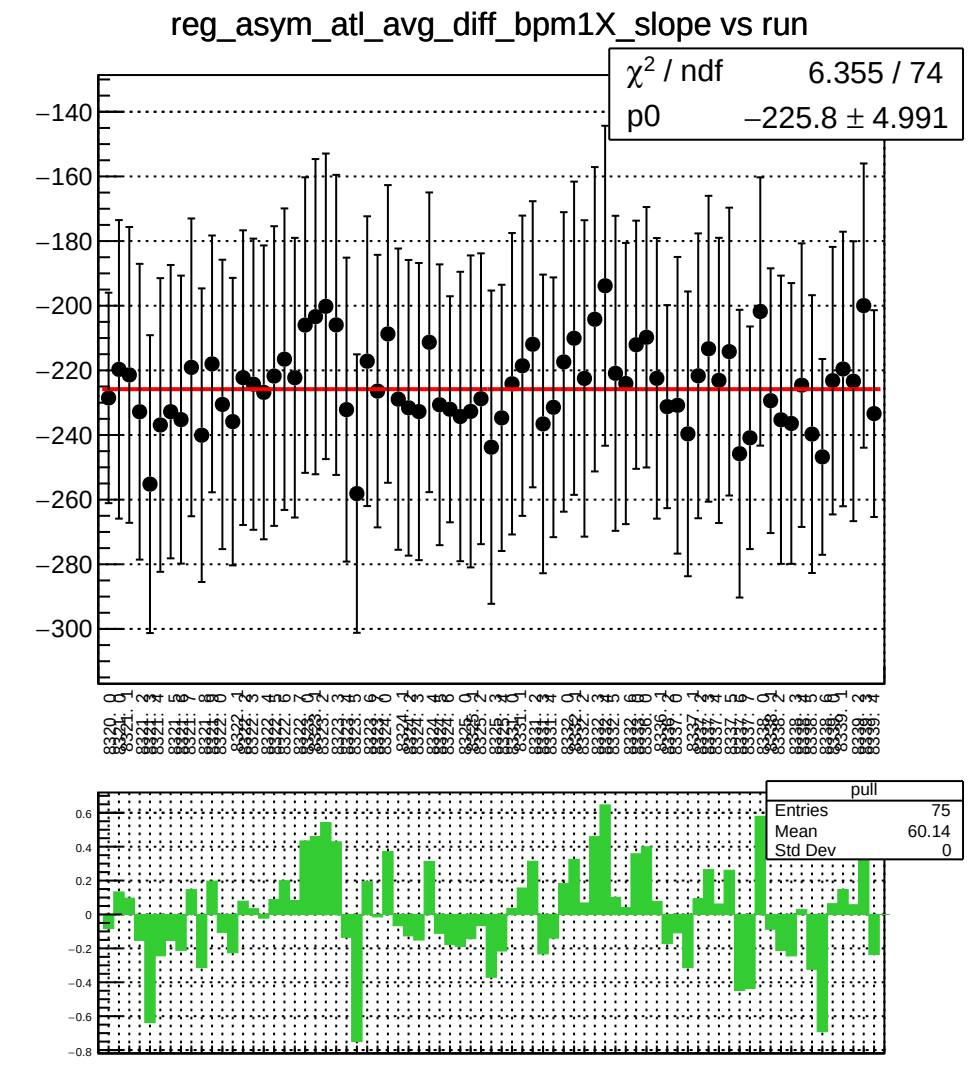

pull1D
Entries 75
Mean −0.005202
Std Dev 0.19

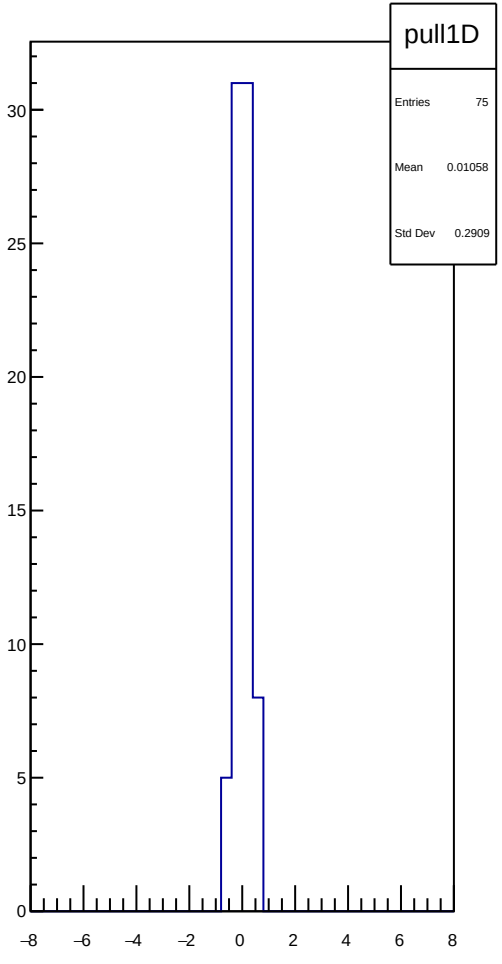

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.081 / 74
p0 49.62 ± 27.54
pull
Entries 75
Mean −94.39
Std Dev 0

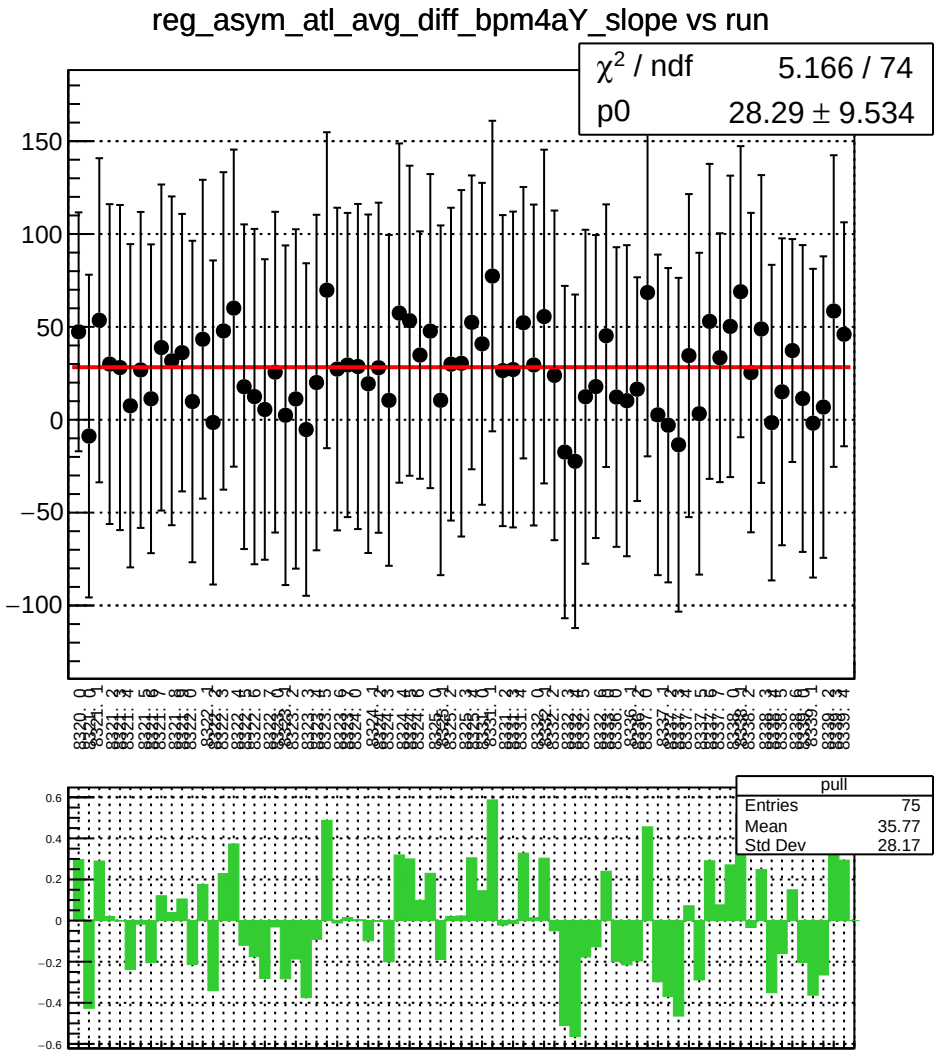

pull1D
Entries 75
Mean −0.001039
Std Dev 0.2027

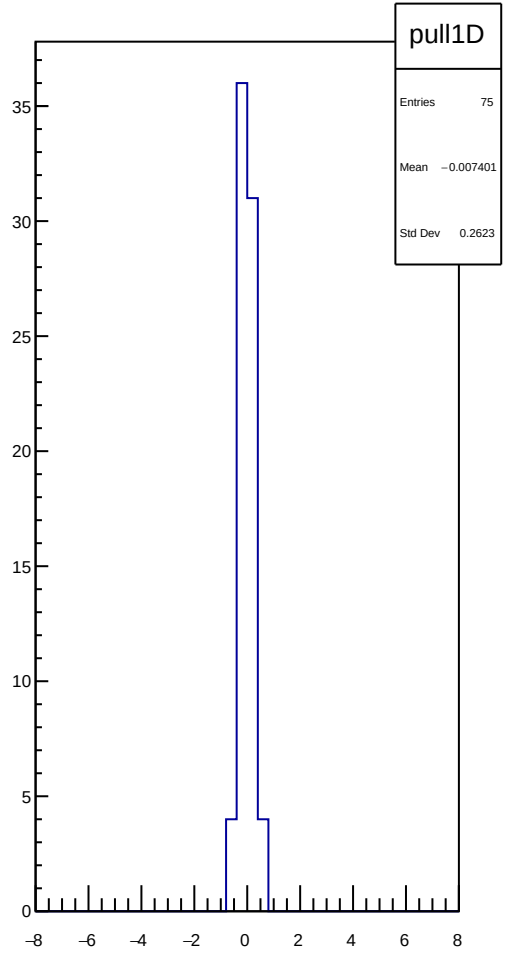

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 3.259 / 74
p0 −316.5 ± 1.538
pull
Entries 75
Mean 3410
Std Dev 0

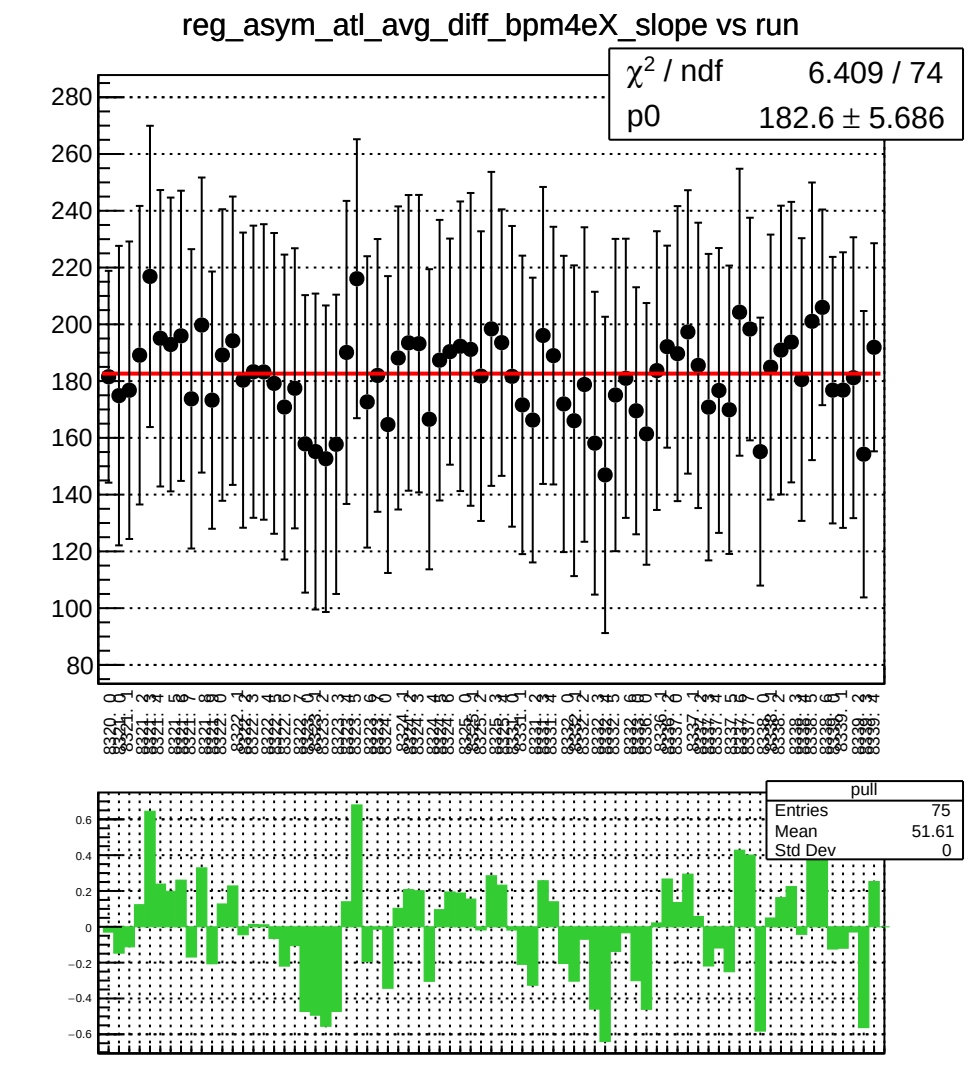

pull1D
Entries 75
Mean −0.0005978
Std Dev 0.2085

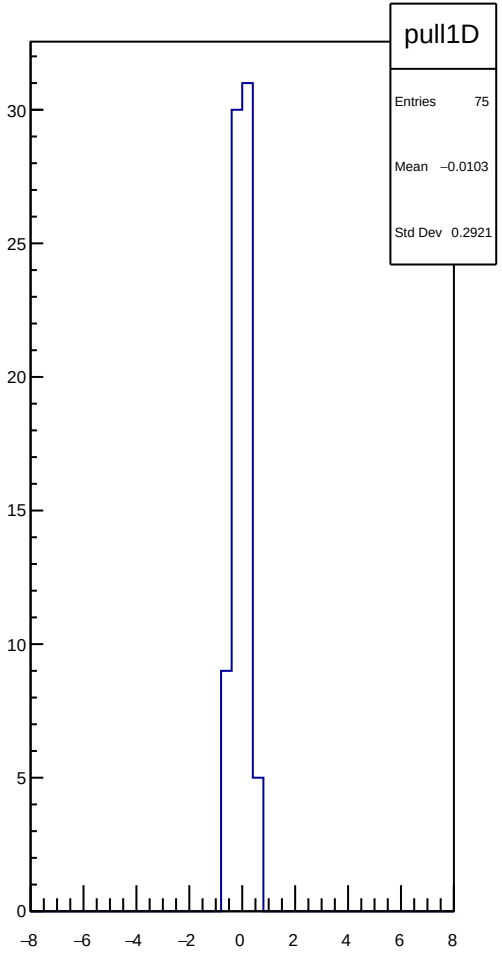

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 6.355 / 74
p0 −225.8 ± 4.991
pull
Entries 75
Mean 60.14
Std Dev 0

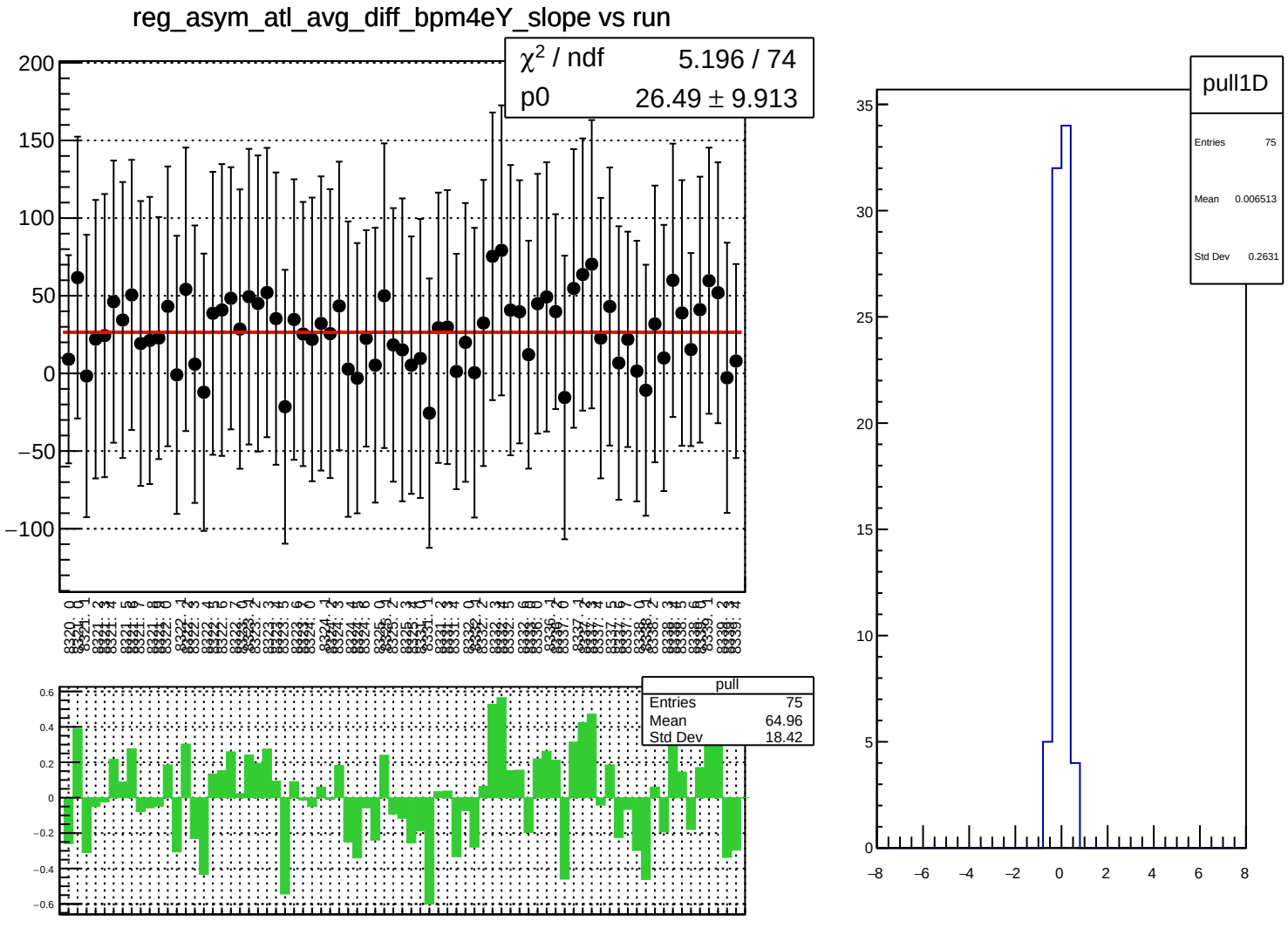

pull1D
Entries 75
Mean 0.01058
Std Dev 0.2909

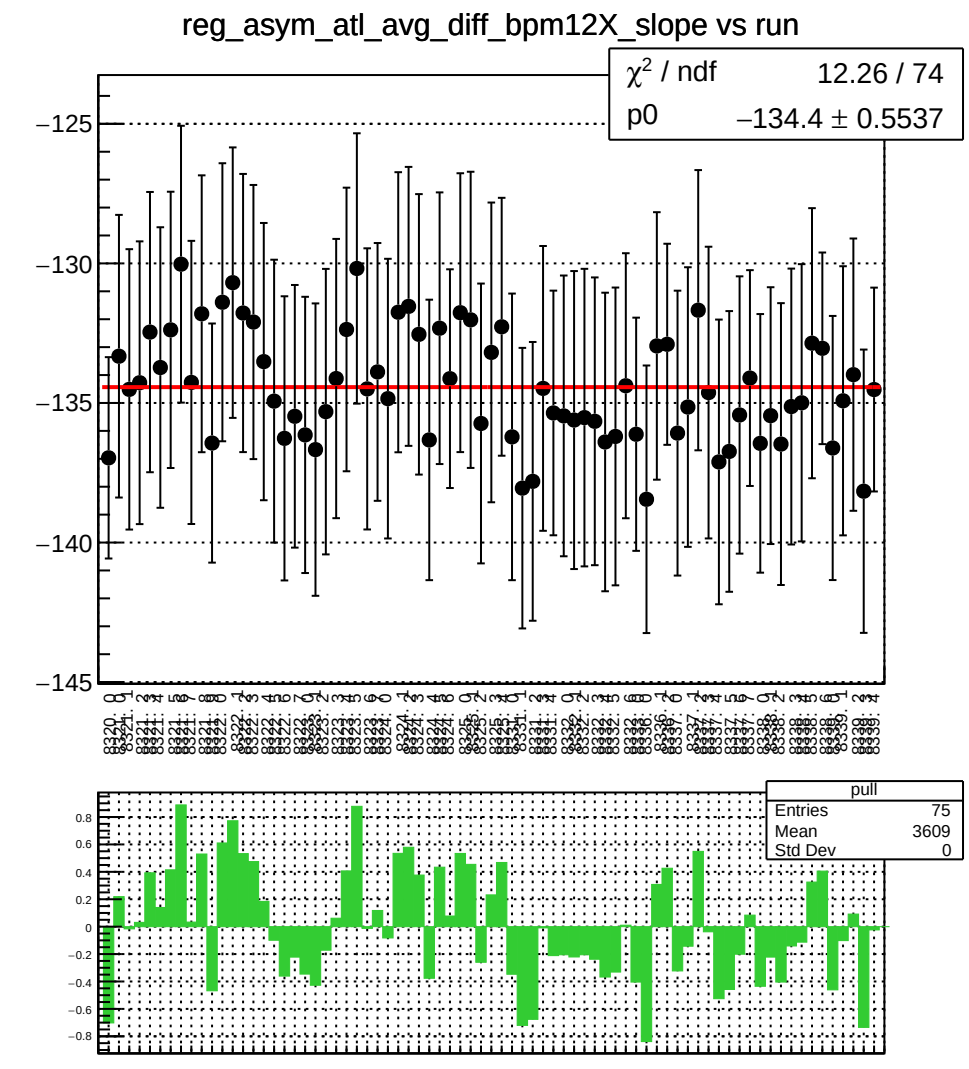

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.166 / 74
p0 28.29 ± 9.534
150
100
50
0
−50
−100
pull
Entries 75
Mean 35.77
Std Dev 28.17
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

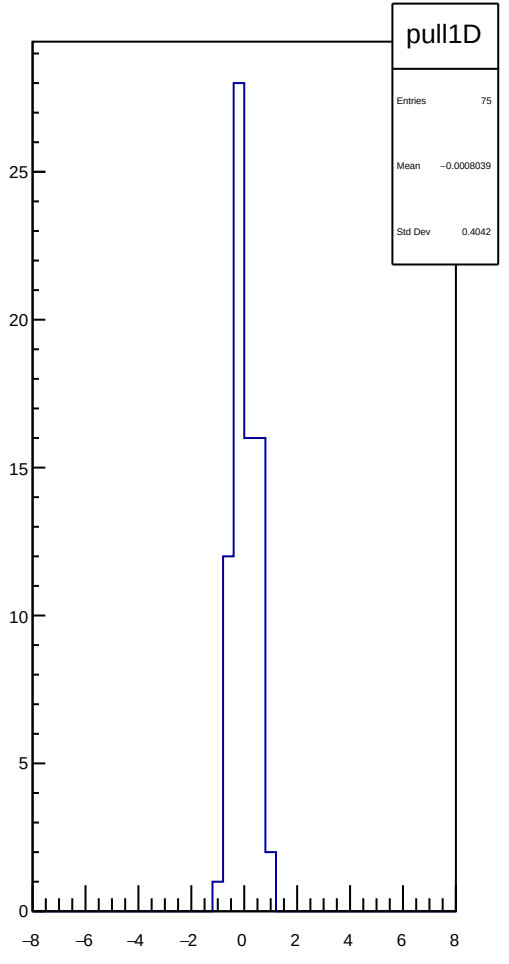

pull1D
Entries 75
Mean −0.007401
Std Dev 0.2623
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

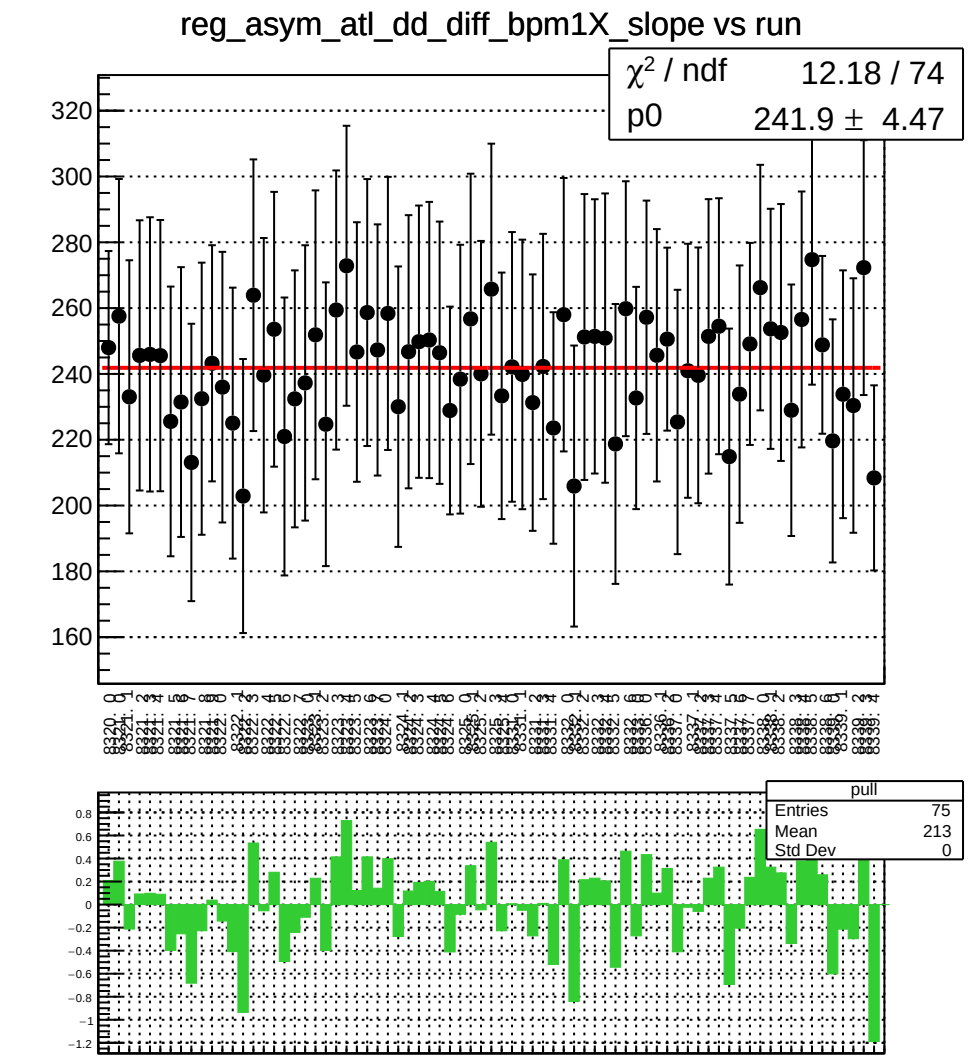

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.409 / 74
p0 182.6 ± 5.686
pull
Entries 75
Mean 51.61
Std Dev 0

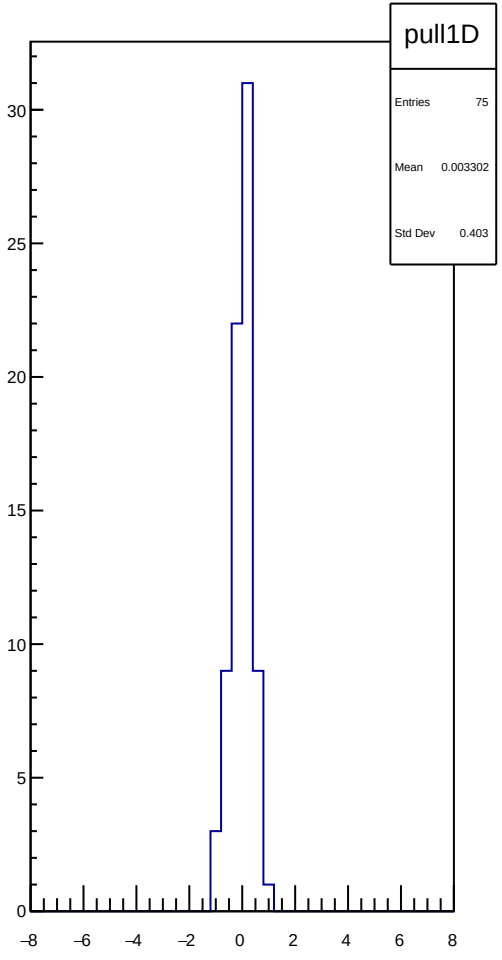

pull1D
Entries 75
Mean −0.0103
Std Dev 0.2921

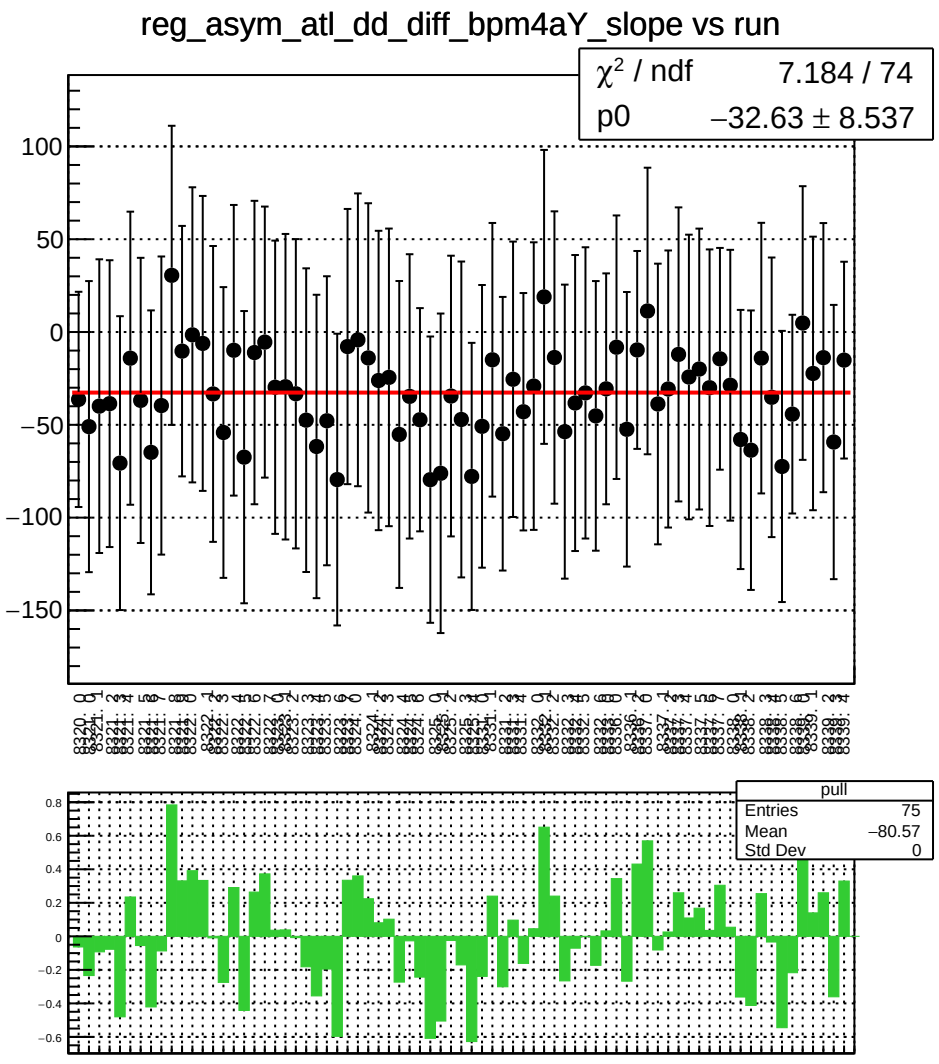

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.196 / 74
p0 26.49 ± 9.913
pull
Entries 75
Mean 64.96
Std Dev 18.42
pull1D
Entries 75
Mean 0.006513
Std Dev 0.2631

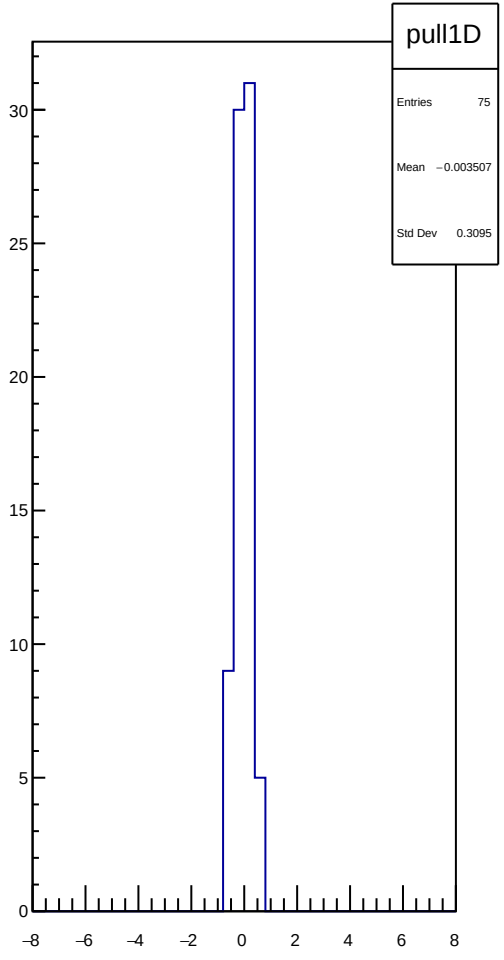

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.26 / 74
p0 −134.4 ± 0.5537
−125
−130
−135
−140
−145
pull
Entries 75
Mean 3609
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

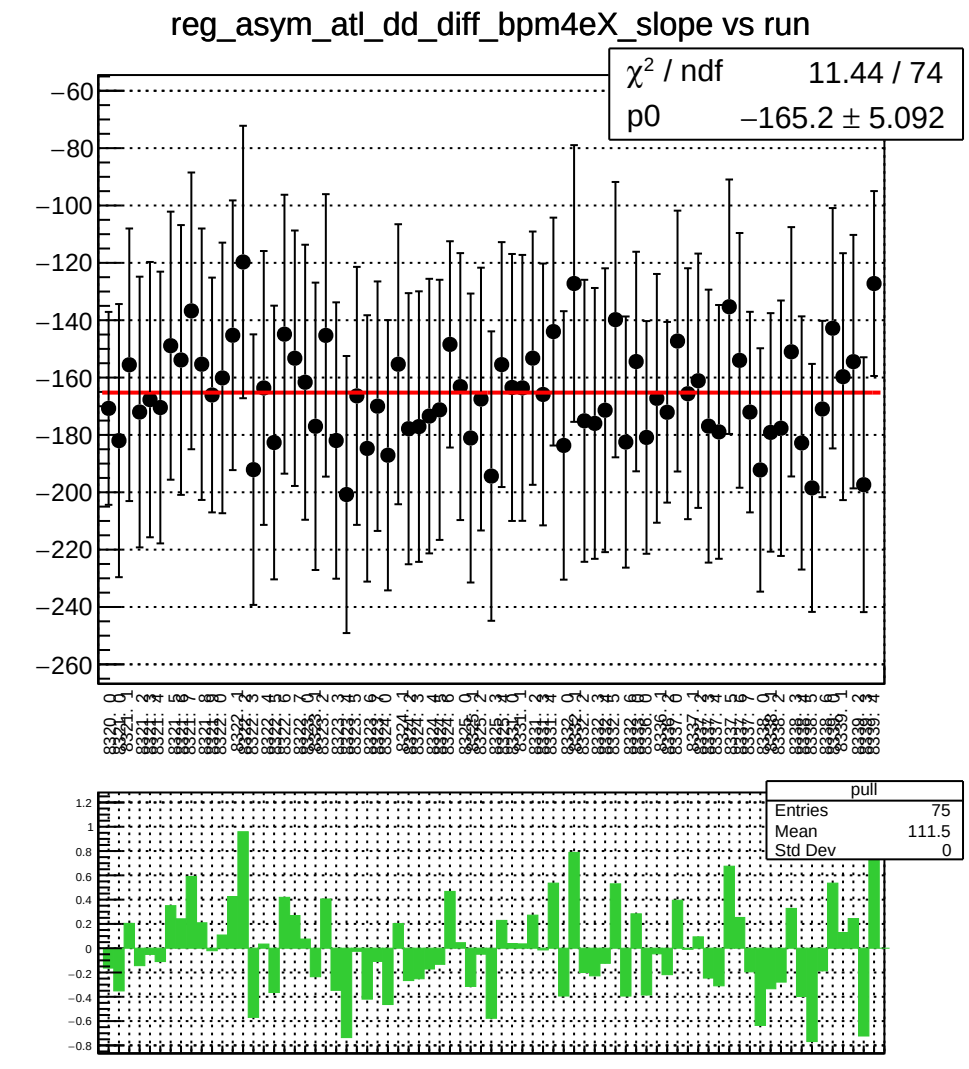

pull1D
Entries 75
Mean −0.0008039
Std Dev 0.4042
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

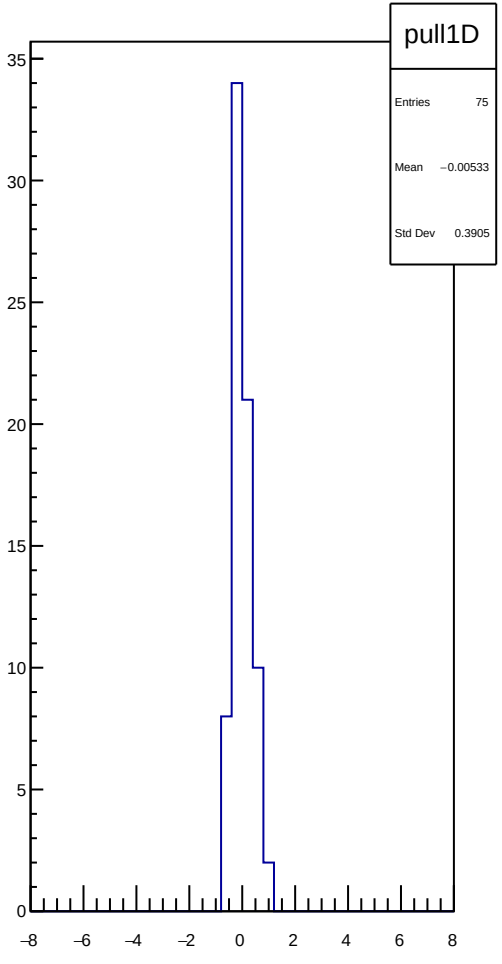

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 12.18 / 74
p0 241.9 ± 4.47
pull
Entries 75
Mean 213
Std Dev 0

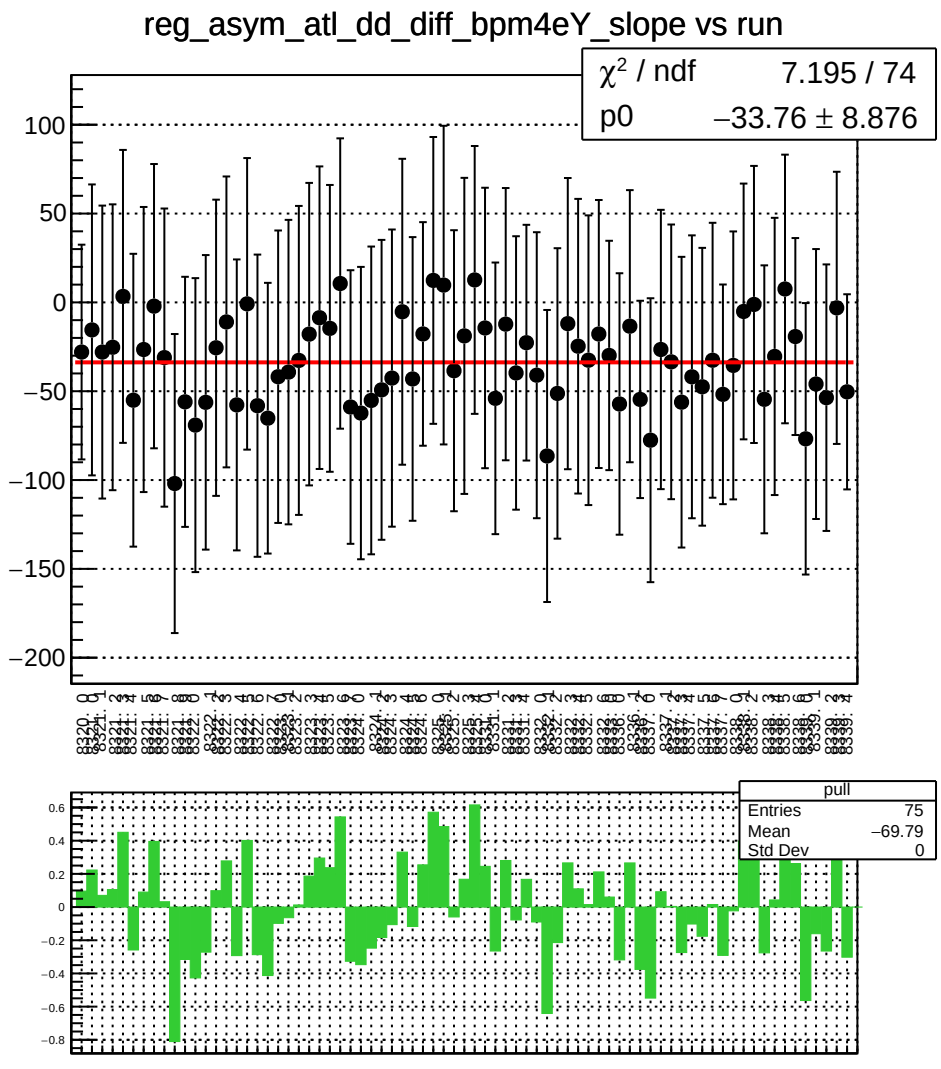

pull1D
Entries 75
Mean 0.003302
Std Dev 0.403

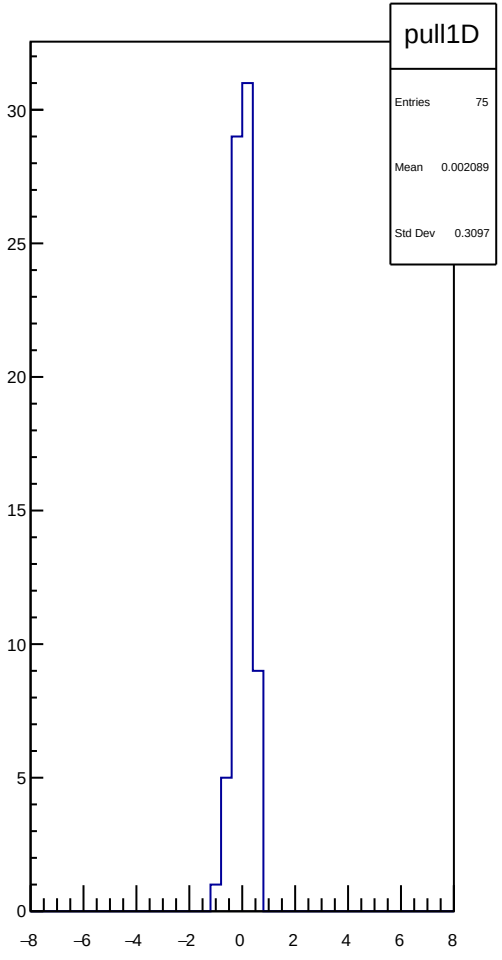

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.184 / 74
p0 −32.63 ± 8.537
100
50
0
−50
−100
−150
pull
Entries 75
Mean −80.57
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

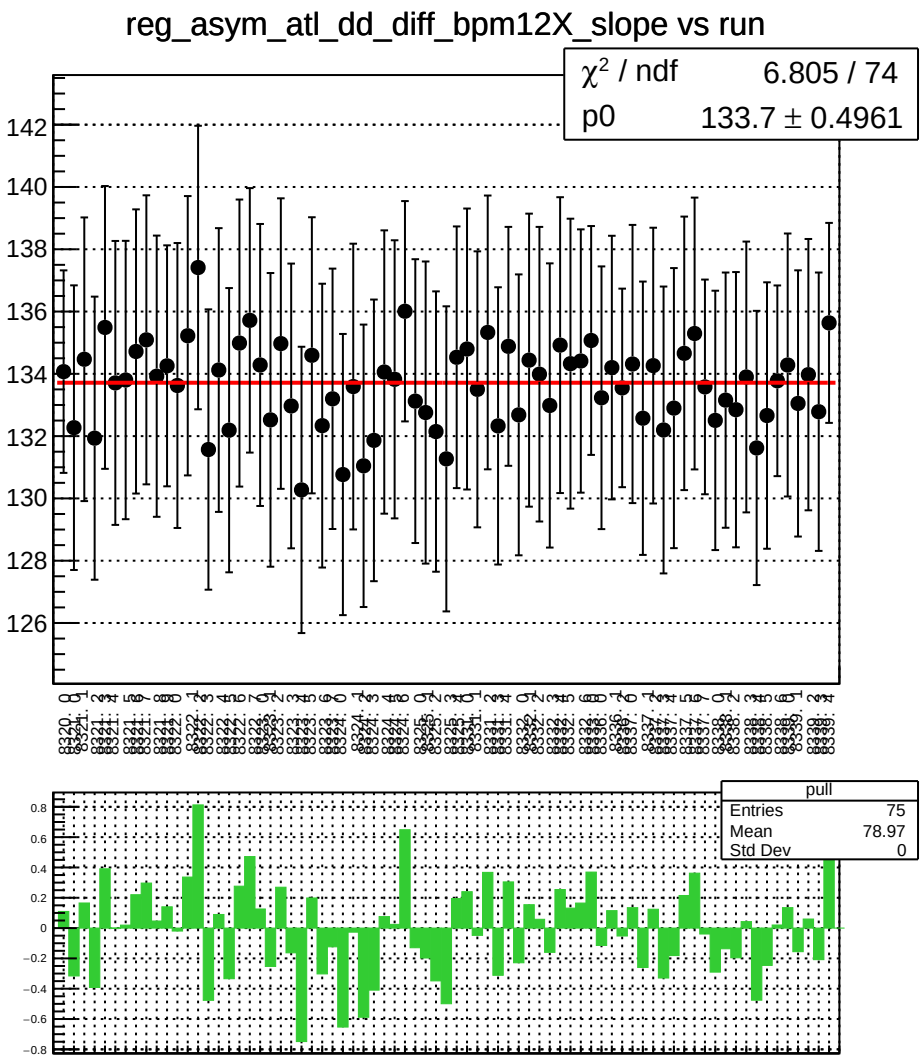

pull1D
Entries 75
Mean −0.003507
Std Dev 0.3095
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

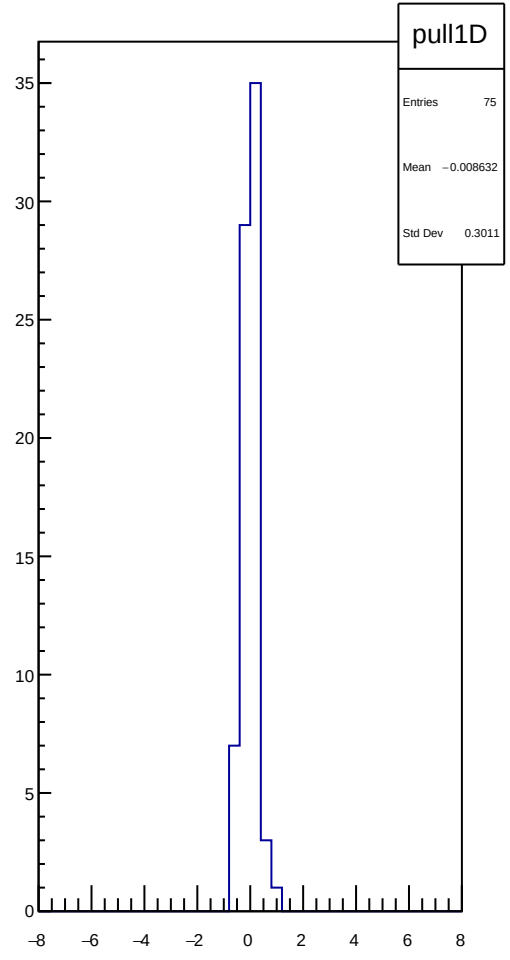

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.44 / 74
p0 −165.2 ± 5.092
pull
Entries 75
Mean 111.5
Std Dev 0

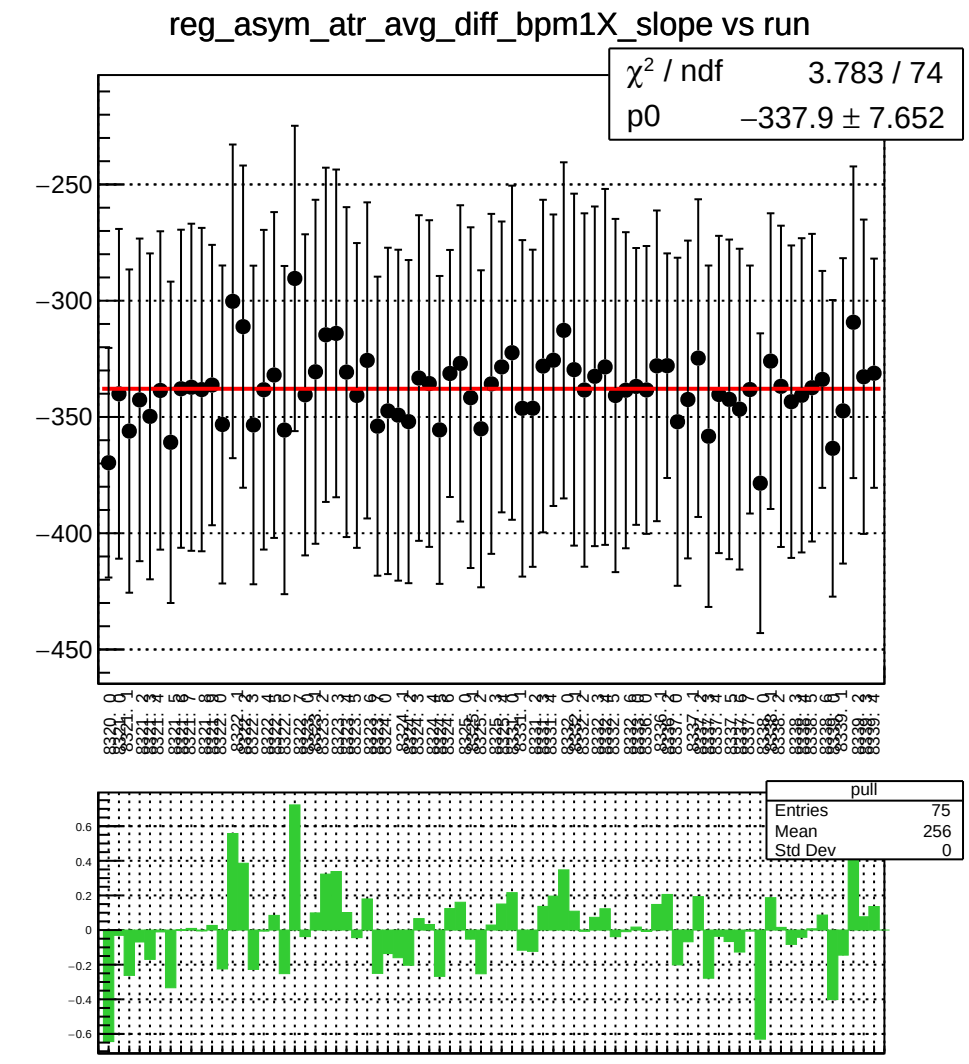

pull1D
Entries 75
Mean −0.00533
Std Dev 0.3905

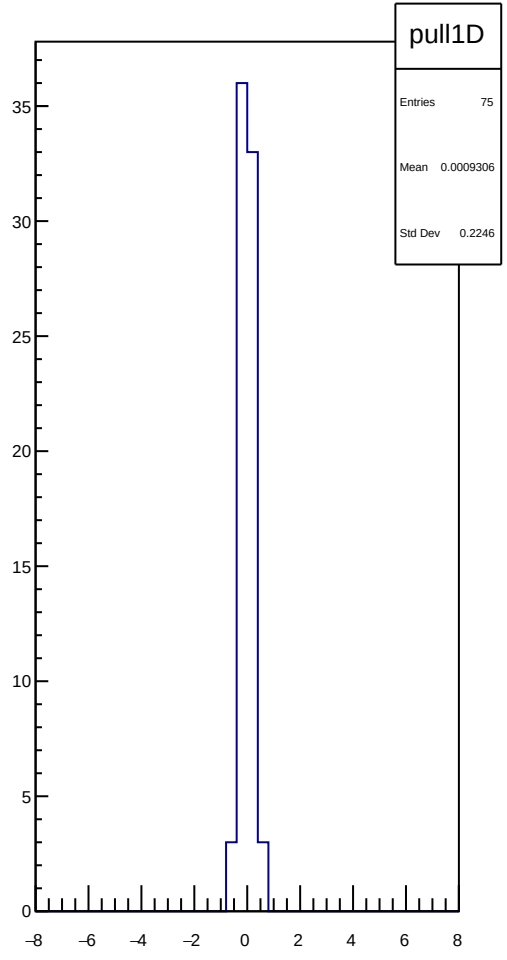

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.195 / 74
p0 −33.76 ± 8.876
pull
Entries 75
Mean −69.79
Std Dev 0

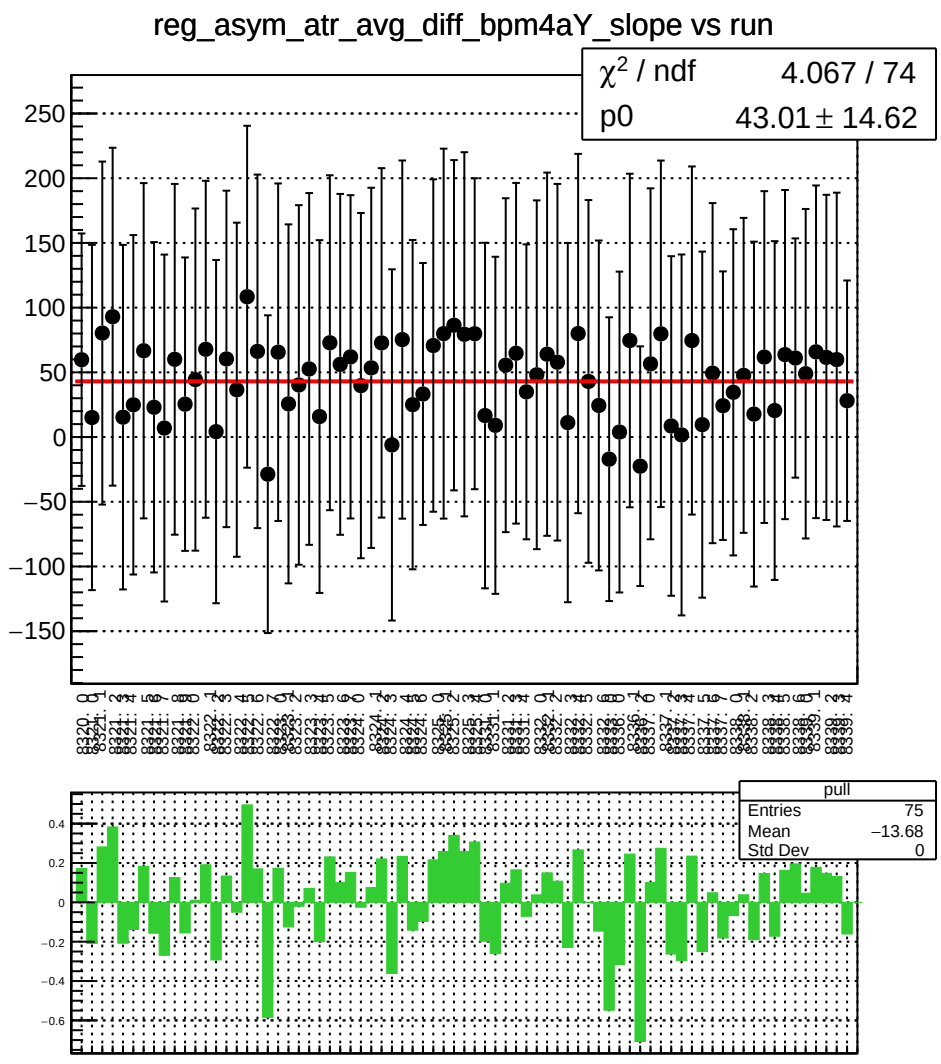

pull1D
Entries 75
Mean 0.002089
Std Dev 0.3097

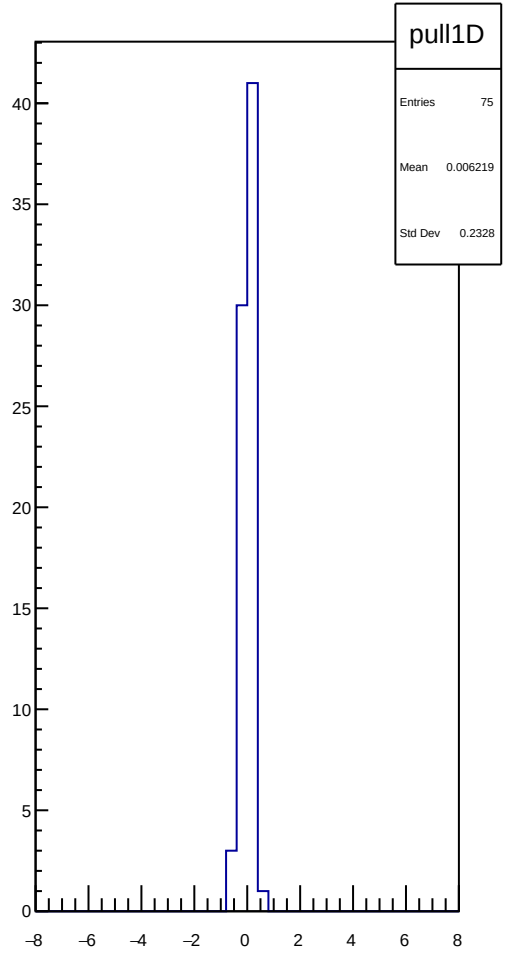

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 6.805 / 74
p0 133.7 ± 0.4961
pull
Entries 75
Mean 78.97
Std Dev 0

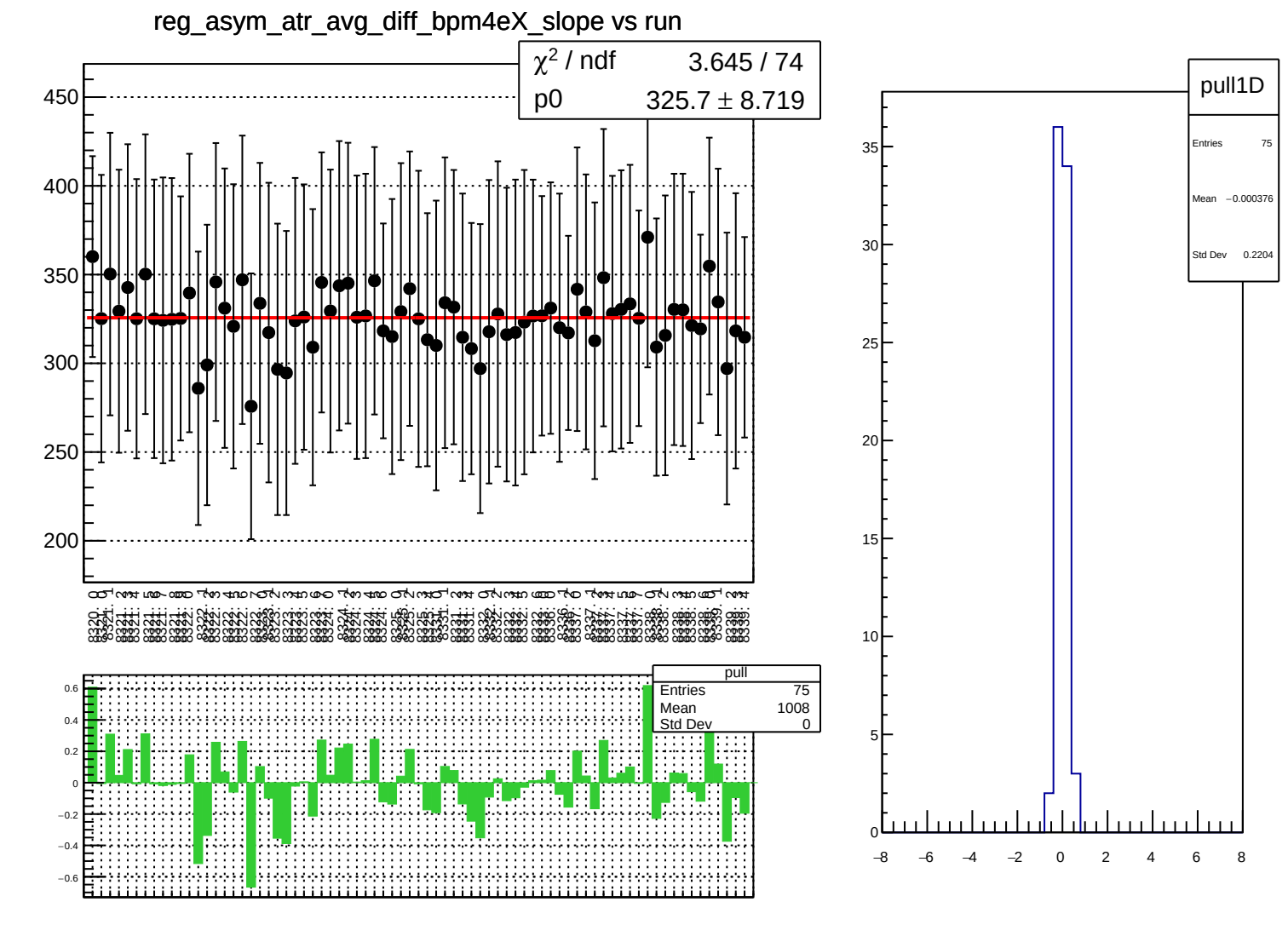

pull1D
Entries 75
Mean −0.008632
Std Dev 0.3011

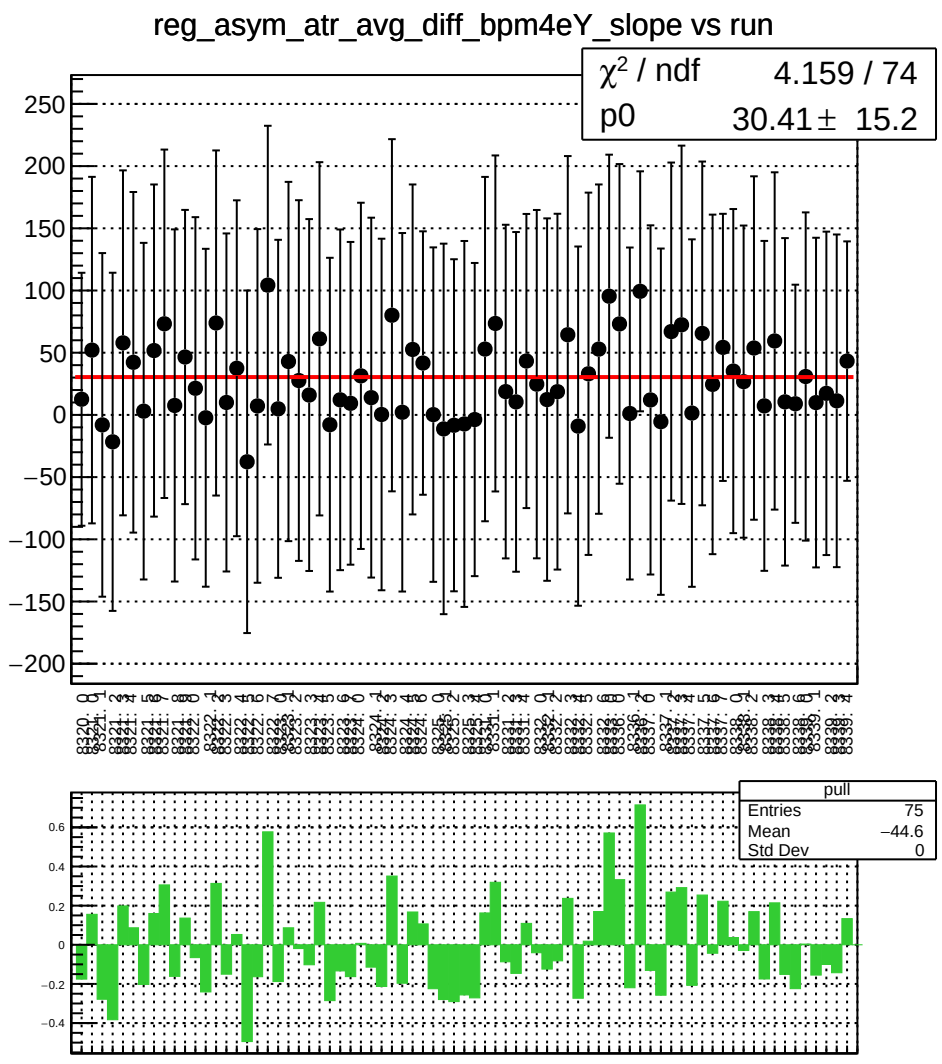

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 3.783 / 74
p0 −337.9 ± 7.652
−250
−300
−350
−400
−450
pull
Entries 75
Mean 256
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

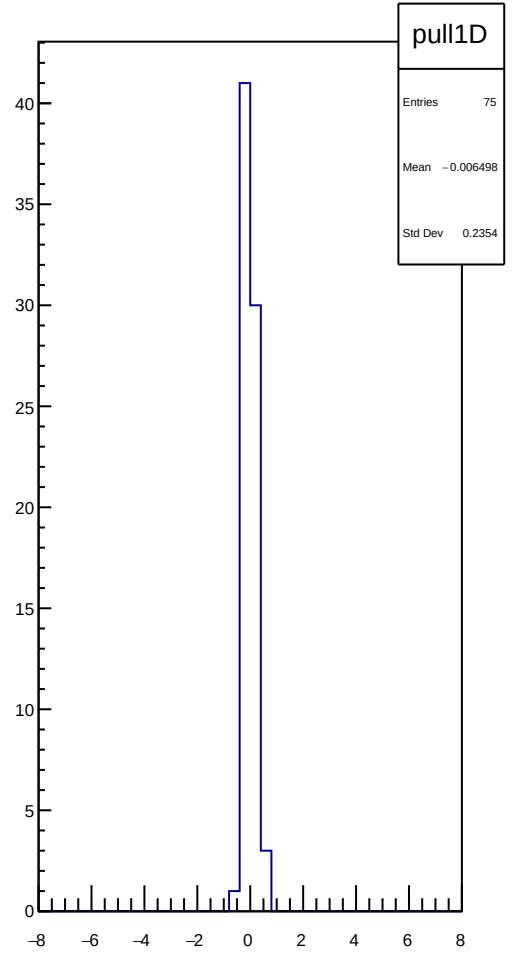

pull1D
Entries 75
Mean 0.0009306
Std Dev 0.2246
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

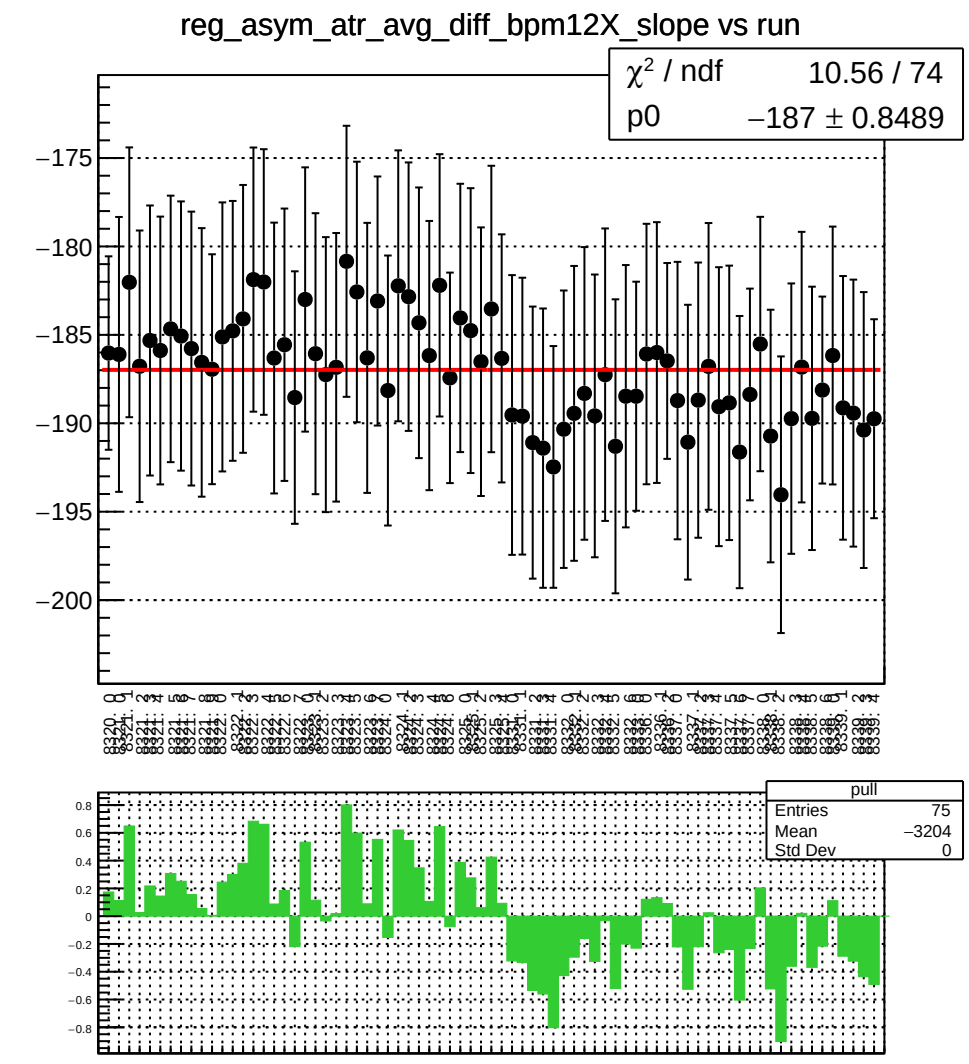

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.067 / 74
p0 43.01 ± 14.62
pull
Entries 75
Mean −13.68
Std Dev 0

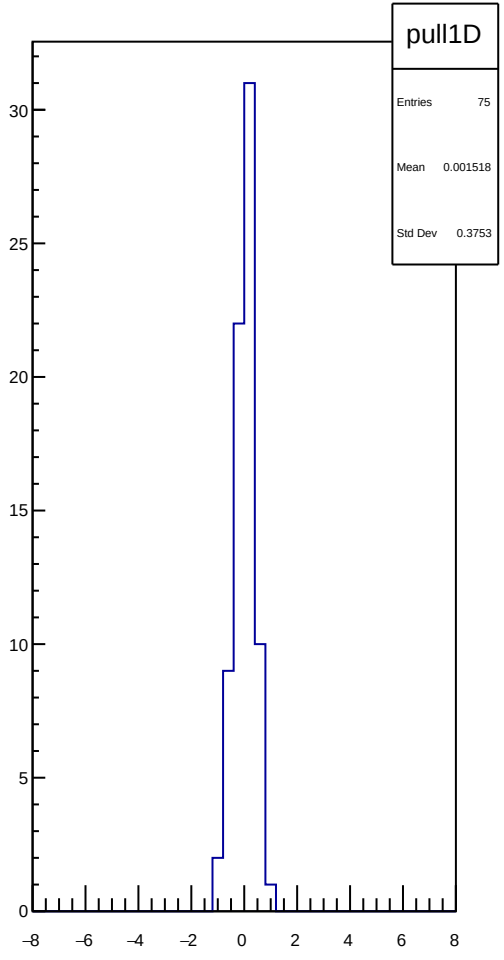

pull1D
Entries 75
Mean 0.006219
Std Dev 0.2328

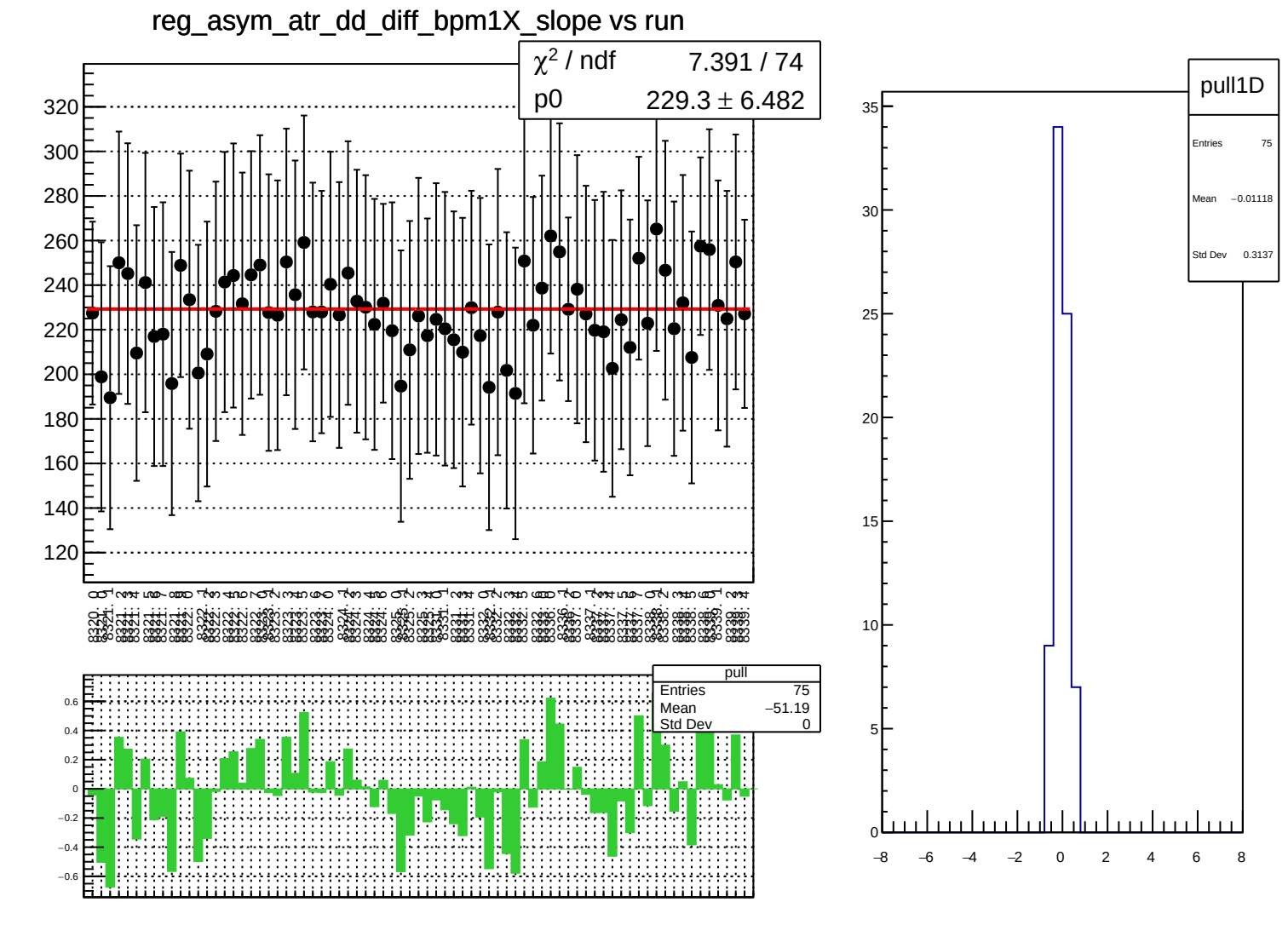

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.645 / 74
p0 325.7 ± 8.719
pull
Entries 75
Mean 1008
Std Dev 0
pull1D
Entries 75
Mean −0.000376
Std Dev 0.2204

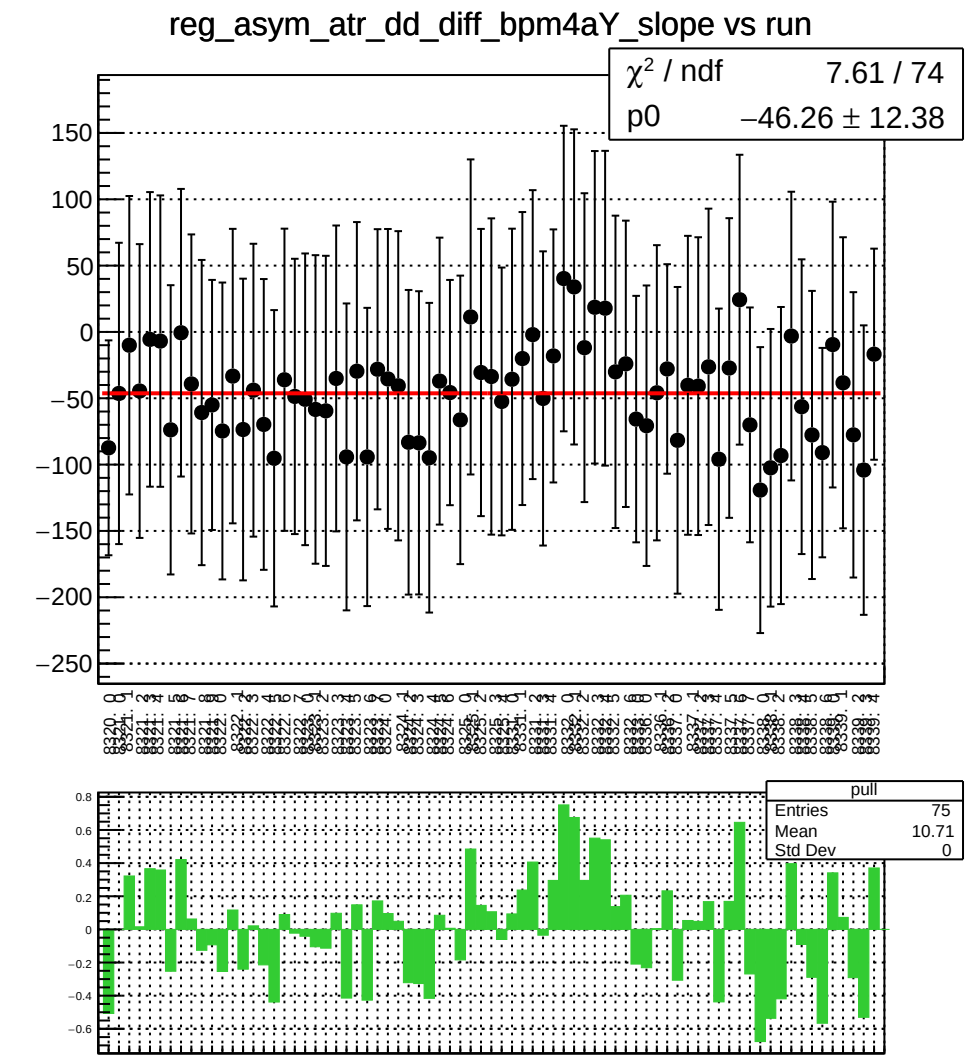

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.159 / 74
p0 30.41 ± 15.2
pull
Entries 75
Mean −44.6
Std Dev 0

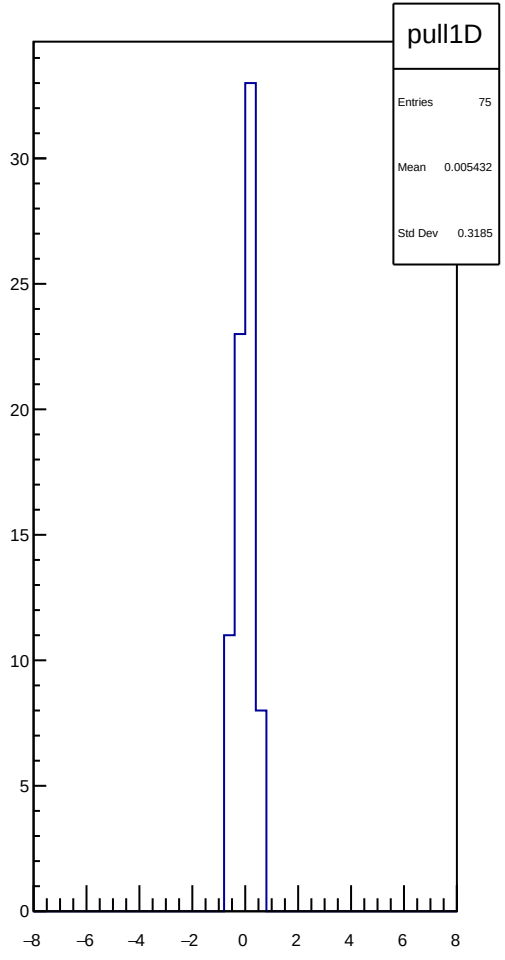

pull1D
Entries 75
Mean −0.006498
Std Dev 0.2354

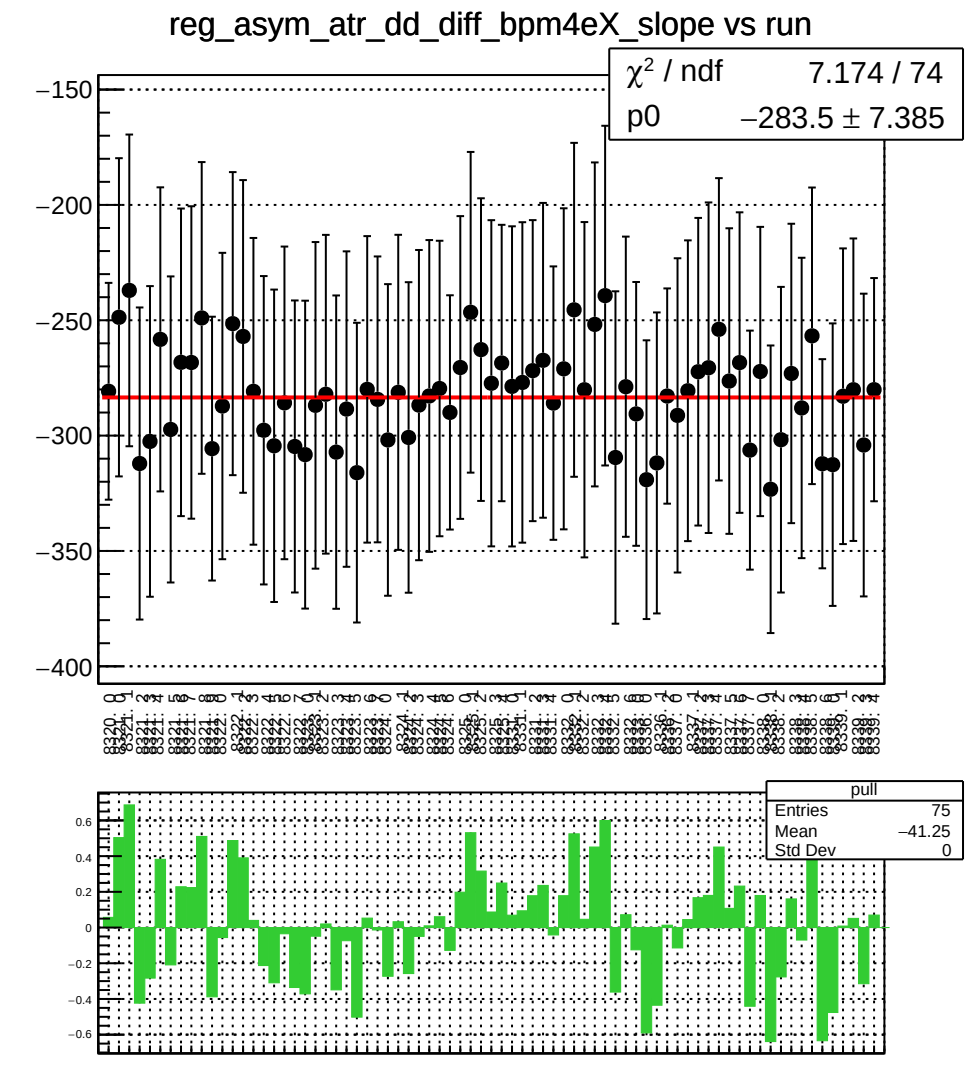

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 10.56 / 74
p0 −187 ± 0.8489
−175
−180
−185
−190
−195
−200
pull
Entries 75
Mean −3204
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

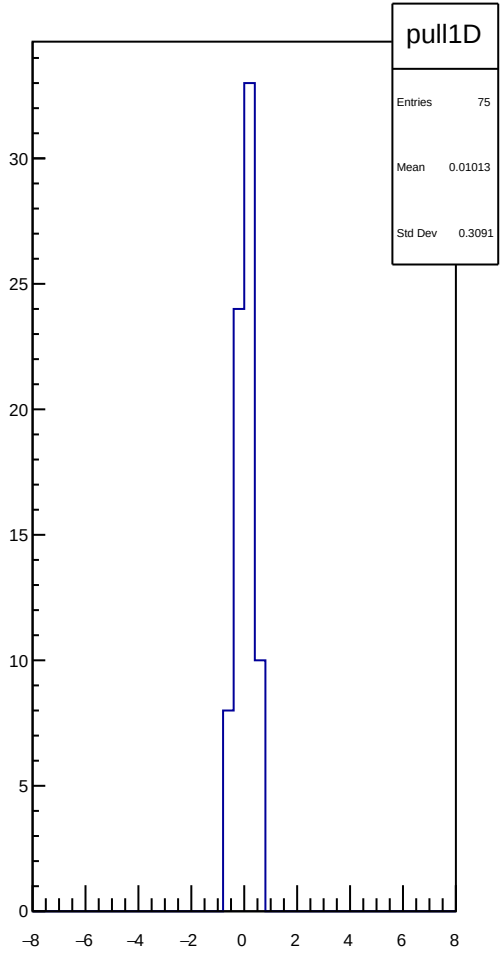

pull1D
Entries 75
Mean 0.001518
Std Dev 0.3753
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

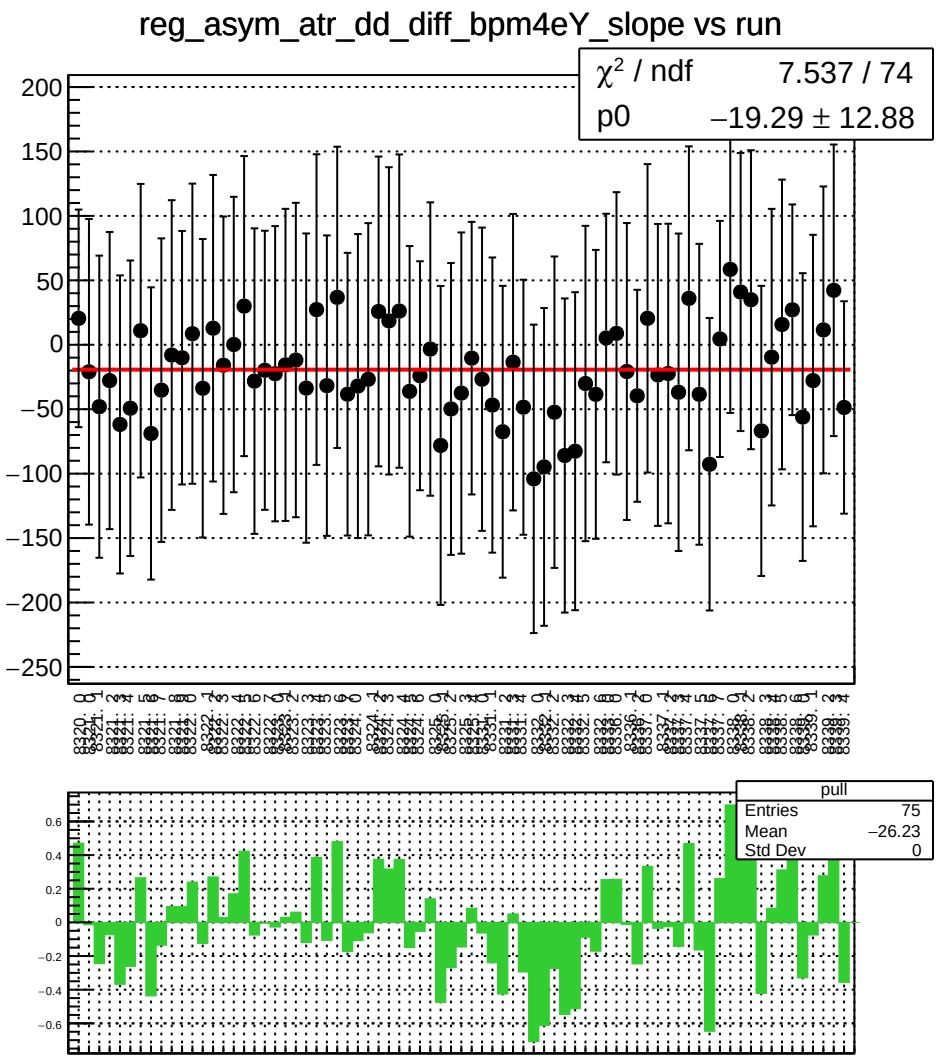

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 7.391 / 74
p0 229.3 ± 6.482
pull
Entries 75
Mean −51.19
Std Dev 0
pull1D
Entries 75
Mean −0.01118
Std Dev 0.3137

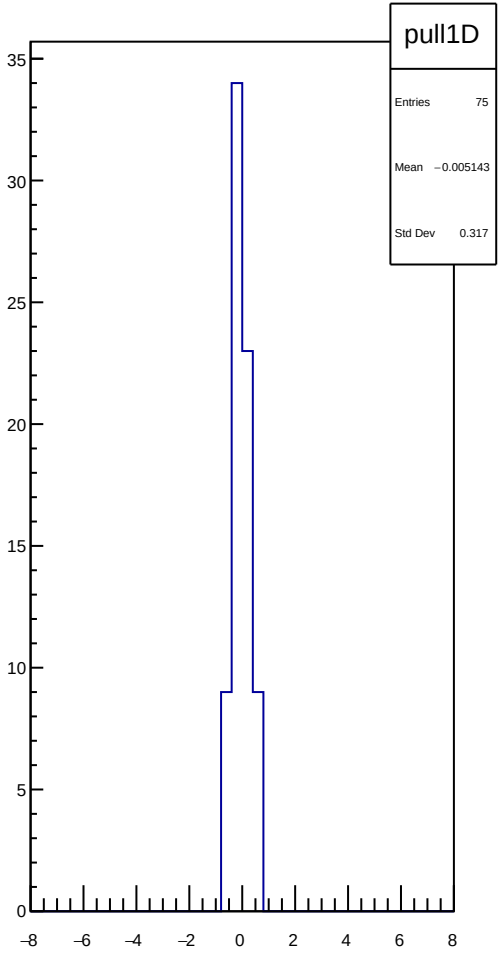

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.61 / 74
p0 −46.26 ± 12.38
pull
Entries 75
Mean 10.71
Std Dev 0

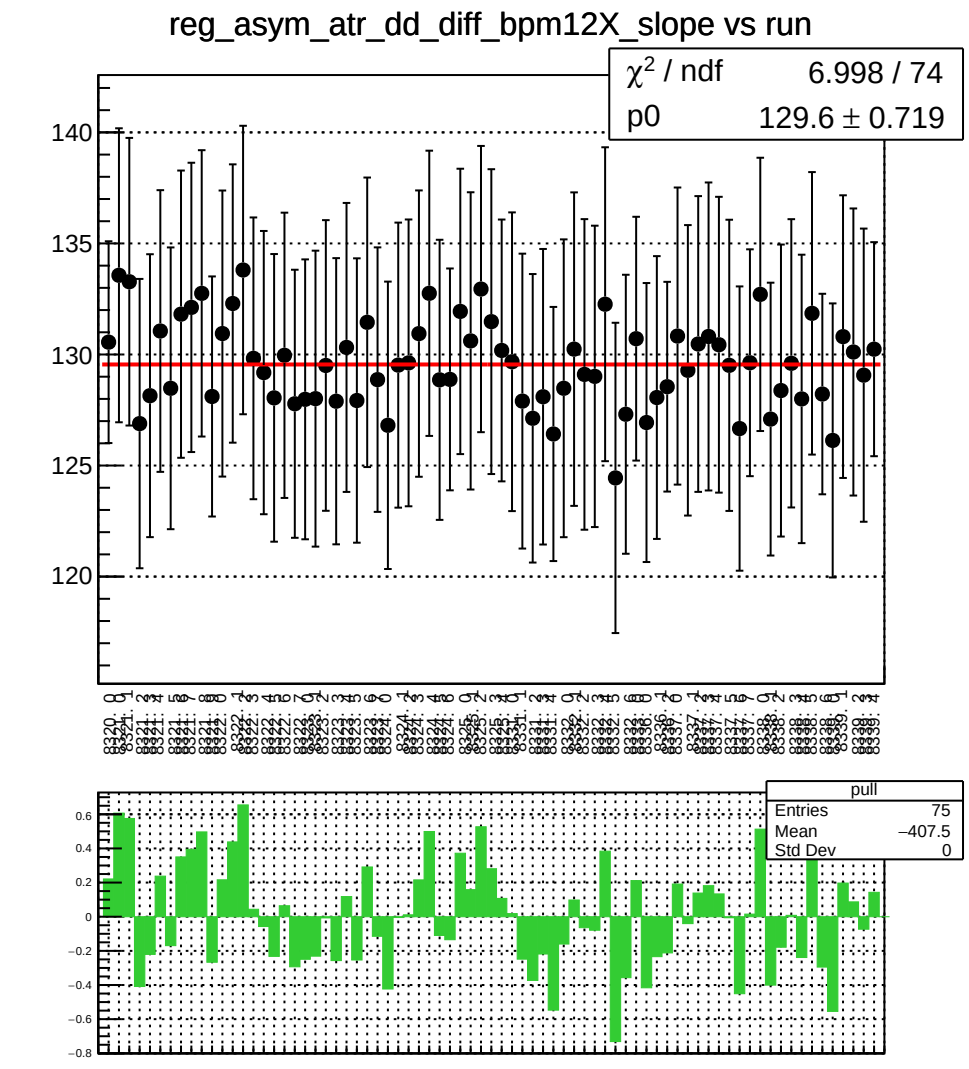

pull1D
Entries 75
Mean 0.005432
Std Dev 0.3185

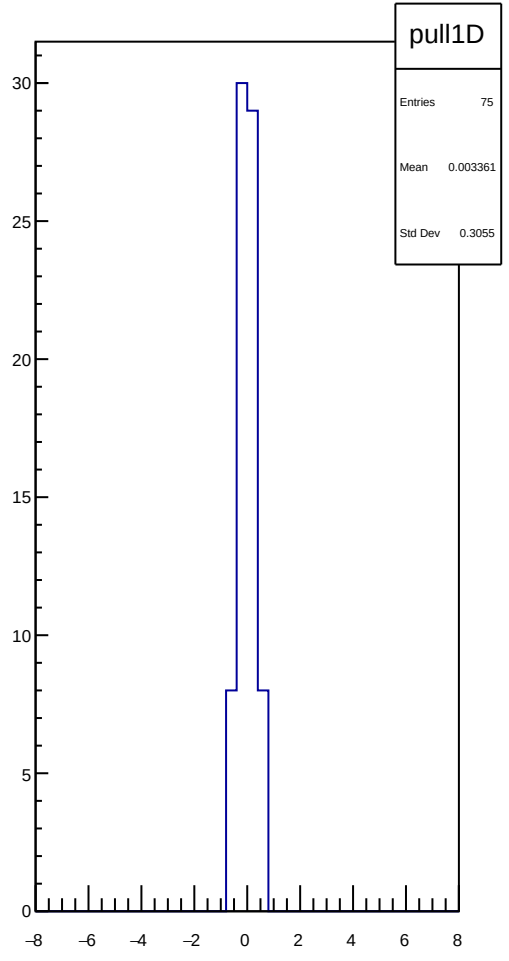

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.174 / 74
p0 −283.5 ± 7.385
pull
Entries 75
Mean −41.25
Std Dev 0

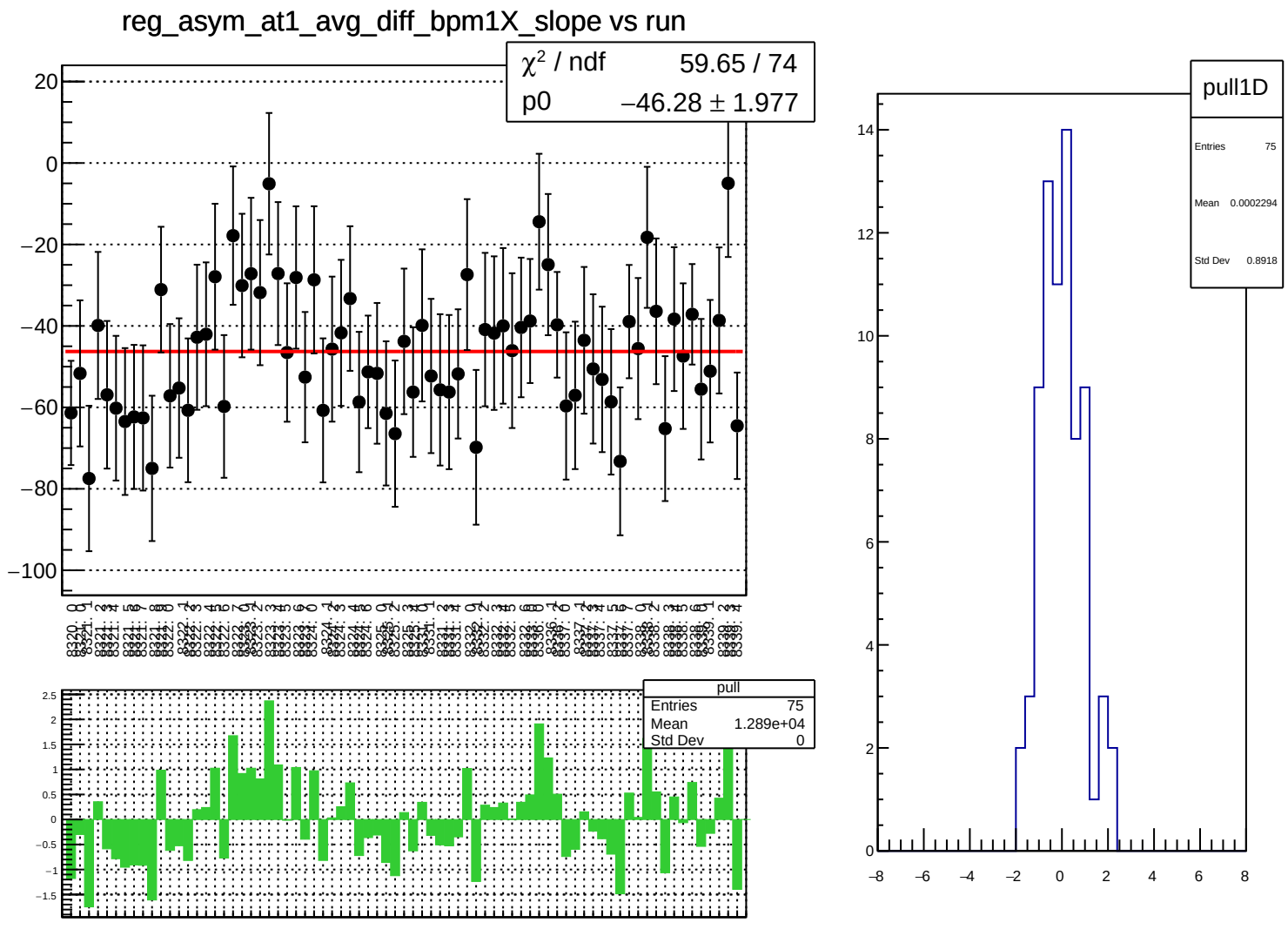

pull1D
Entries 75
Mean 0.01013
Std Dev 0.3091

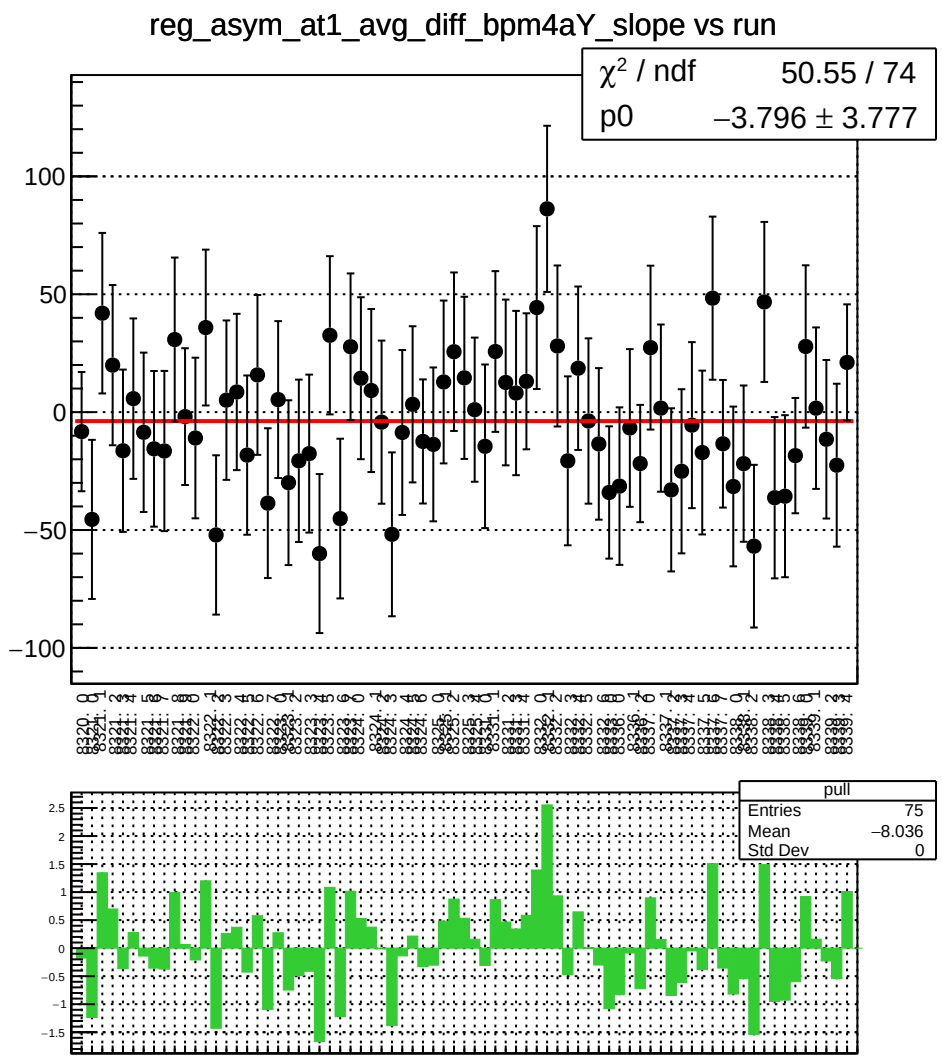

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.537 / 74
p0 −19.29 ± 12.88
pull
Entries 75
Mean −26.23
Std Dev 0

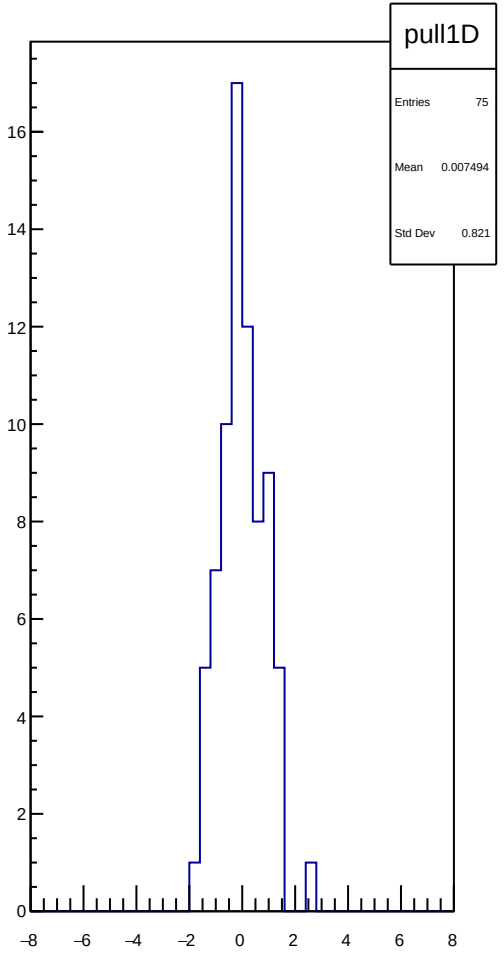

pull1D
Entries 75
Mean −0.005143
Std Dev 0.317

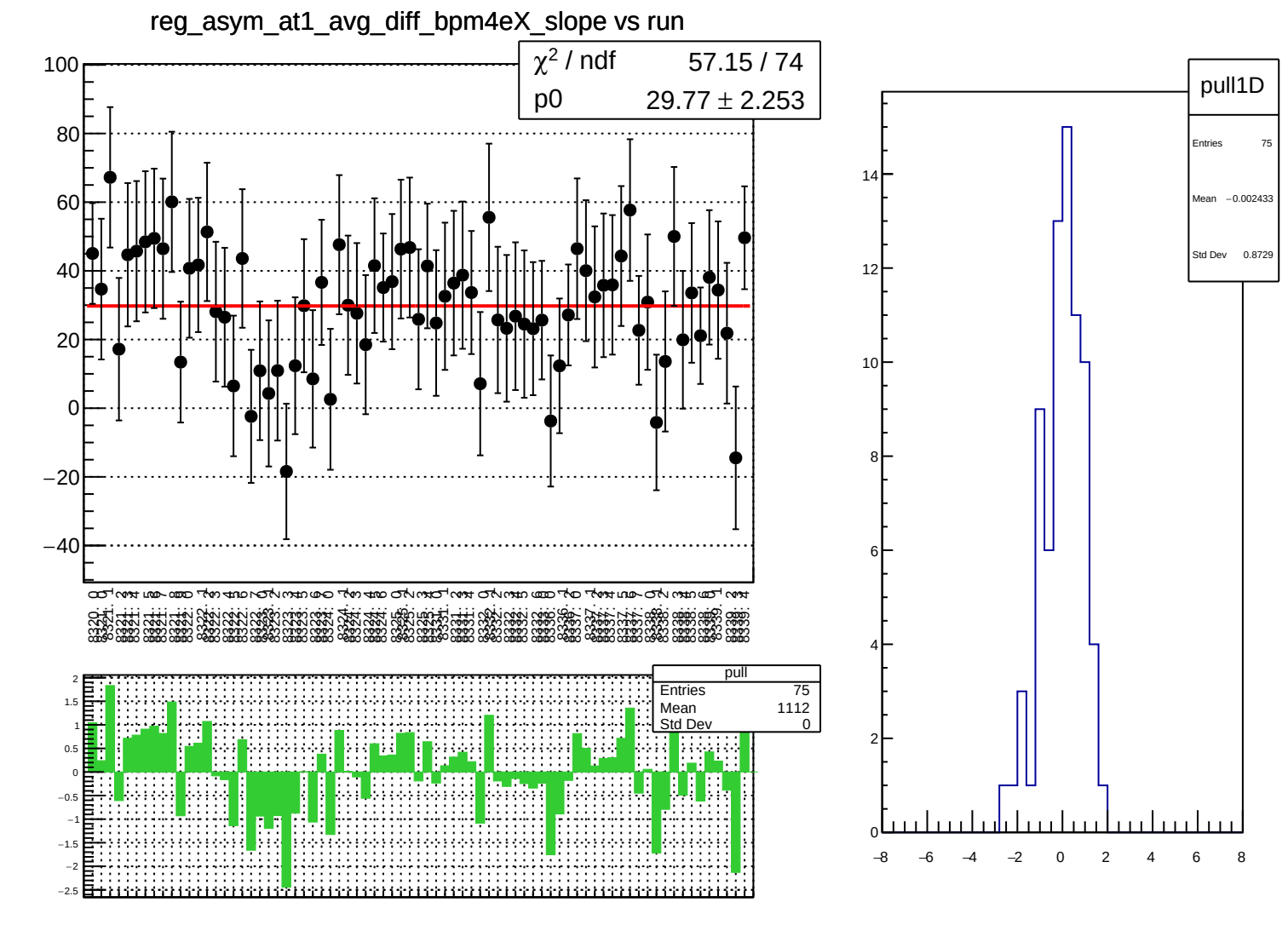

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.998 / 74
p0 129.6 ± 0.719
140
135
130
125
120
pull
Entries 75
Mean −407.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

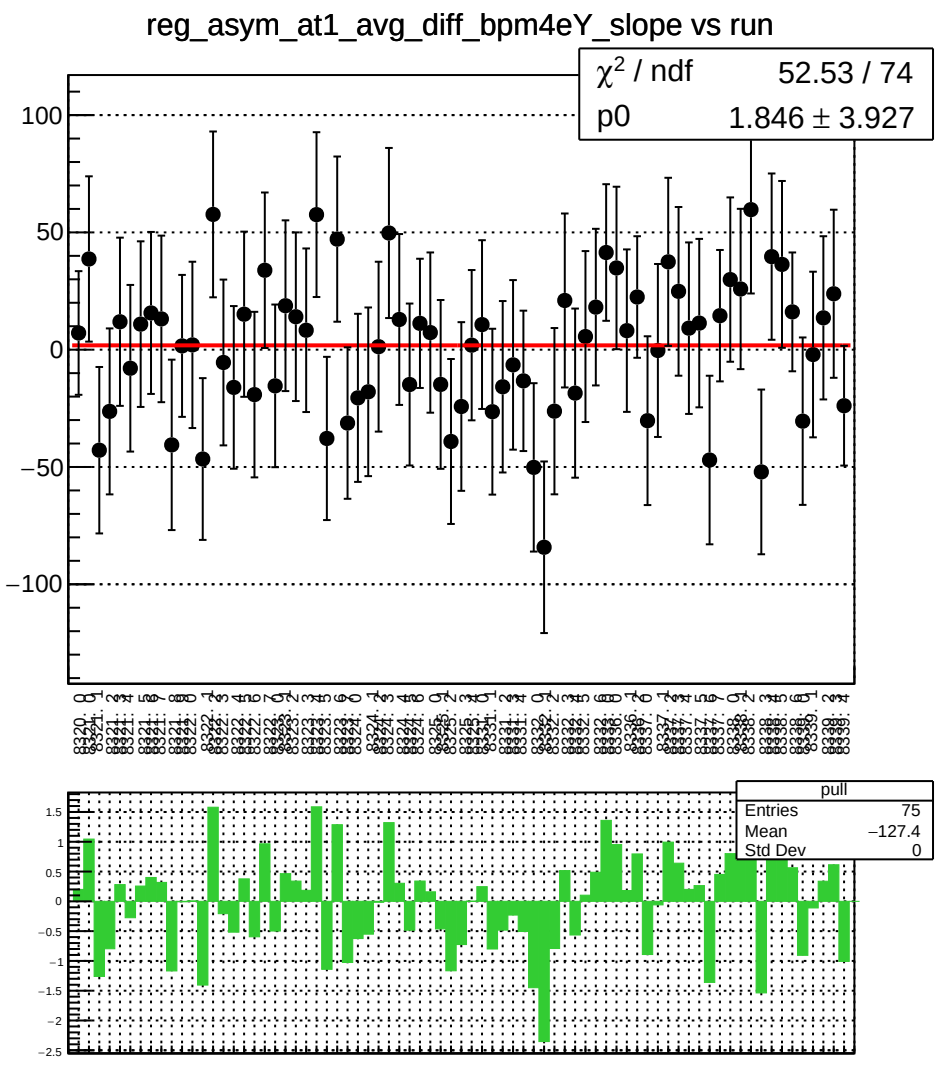

pull1D
Entries 75
Mean 0.003361
Std Dev 0.3055
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

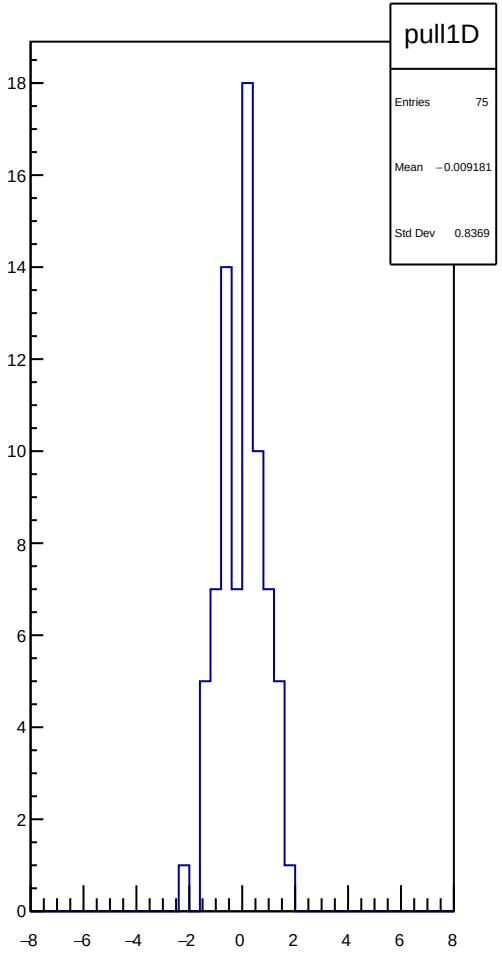

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 59.65 / 74
p0 −46.28 ± 1.977
pull
Entries 75
Mean 1.289e+04
Std Dev 0
pull1D
Entries 75
Mean 0.0002294
Std Dev 0.8918

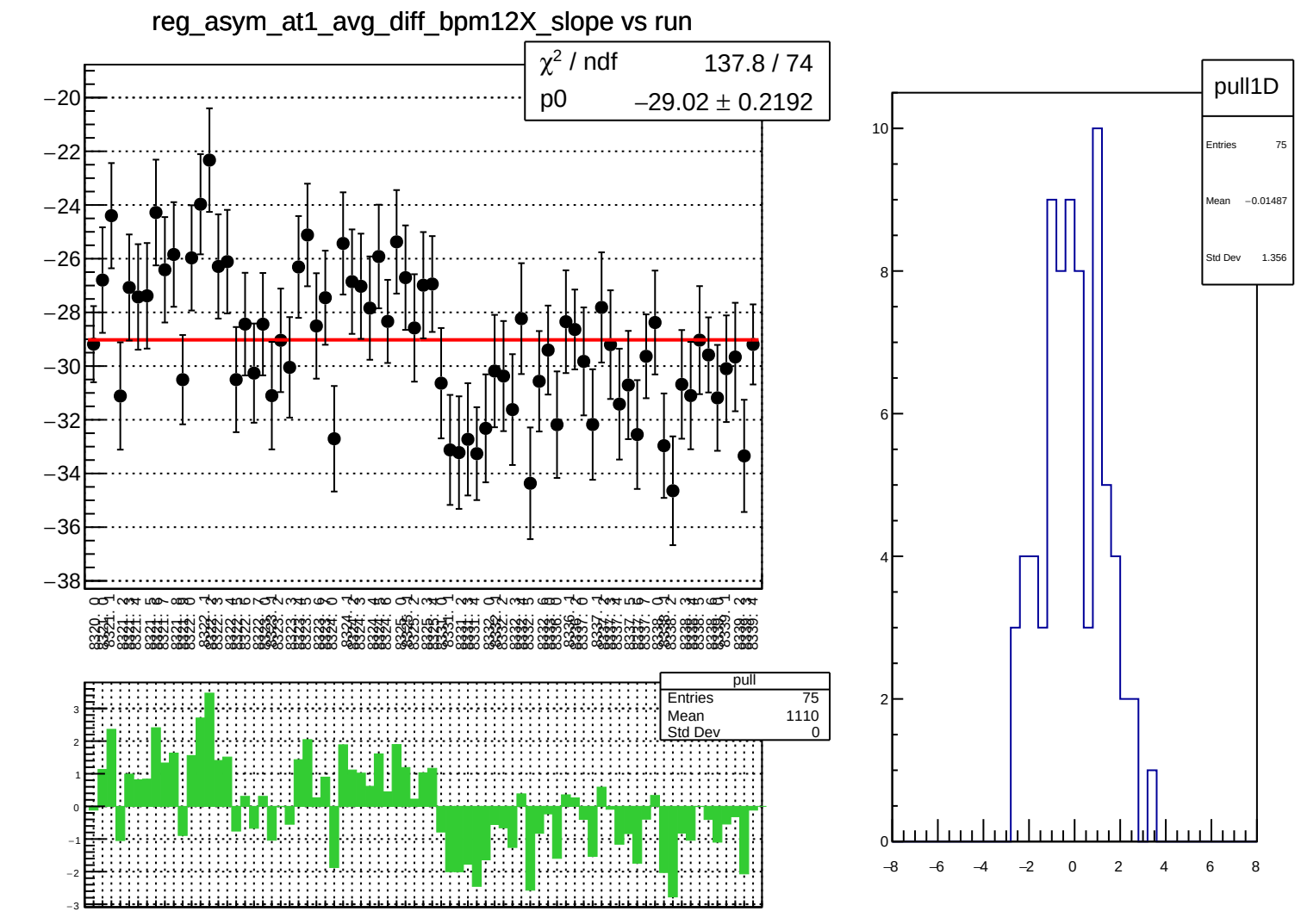

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.55 / 74
p0 −3.796 ± 3.777
100
50
0
−50
−100
pull
Entries 75
Mean −8.036
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

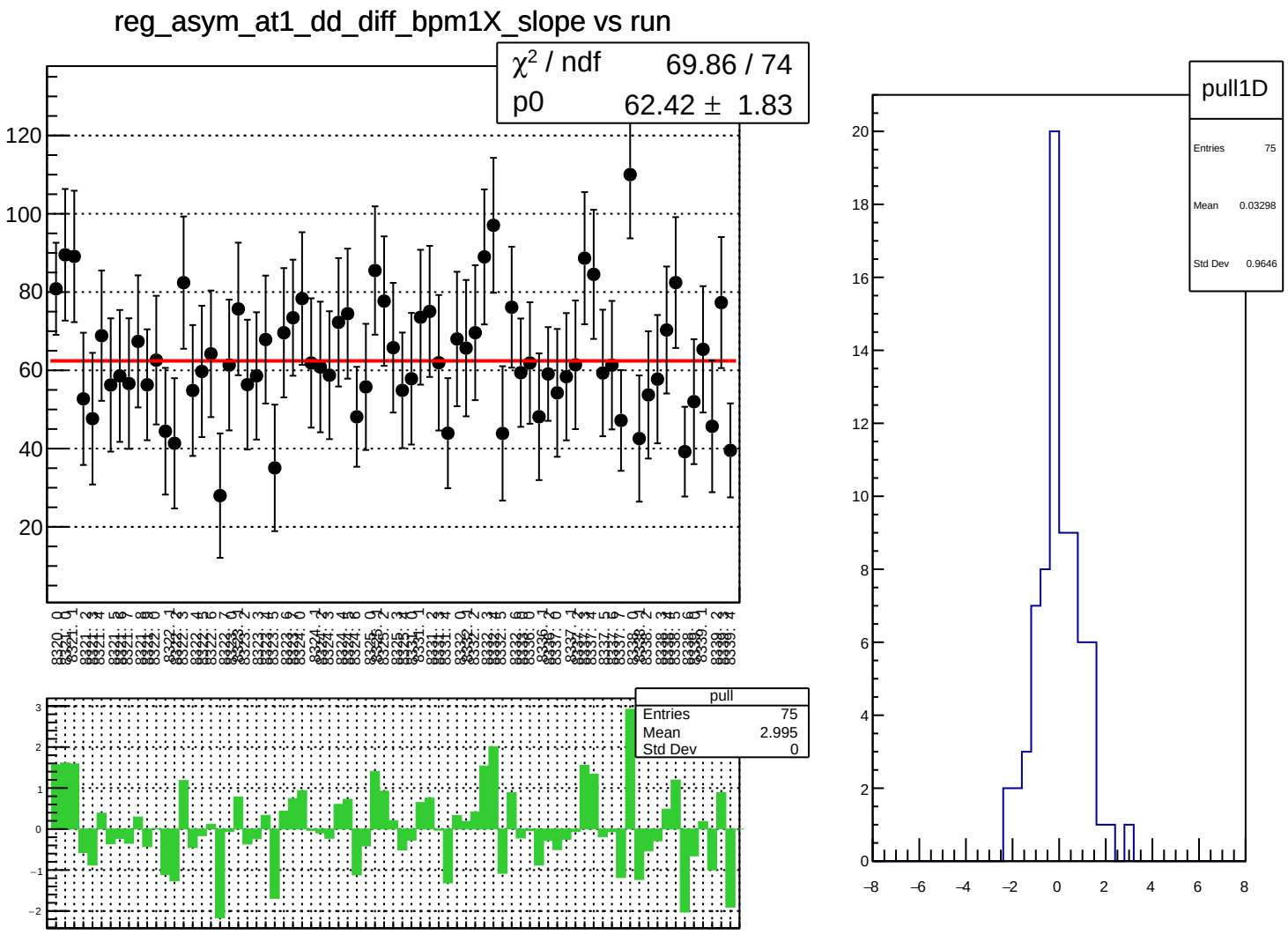

pull1D
Entries 75
Mean 0.007494
Std Dev 0.821
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

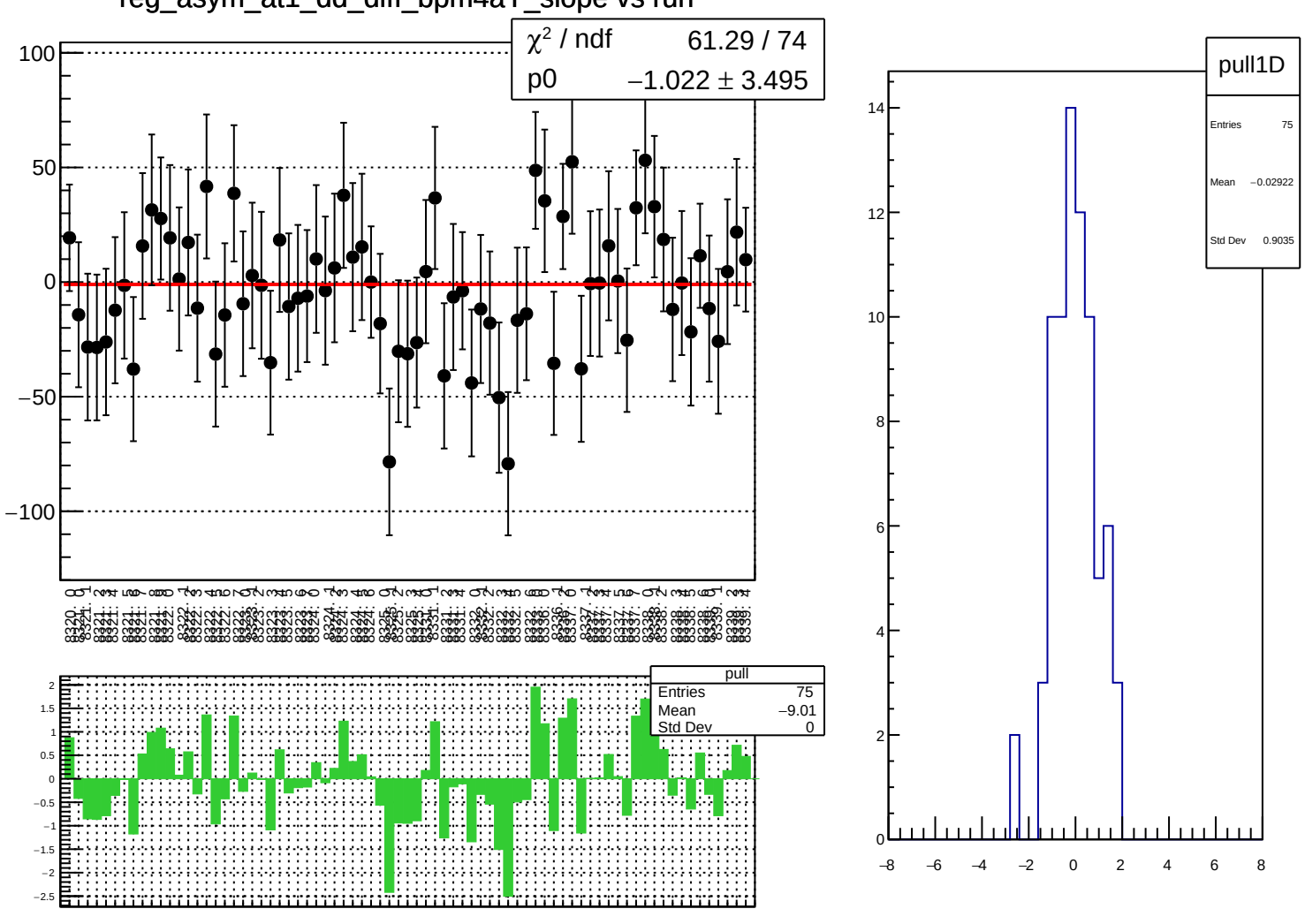

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.15 / 74
p0 29.77 ± 2.253
pull
Entries 75
Mean 1112
Std Dev 0
pull1D
Entries 75
Mean −0.002433
Std Dev 0.8729

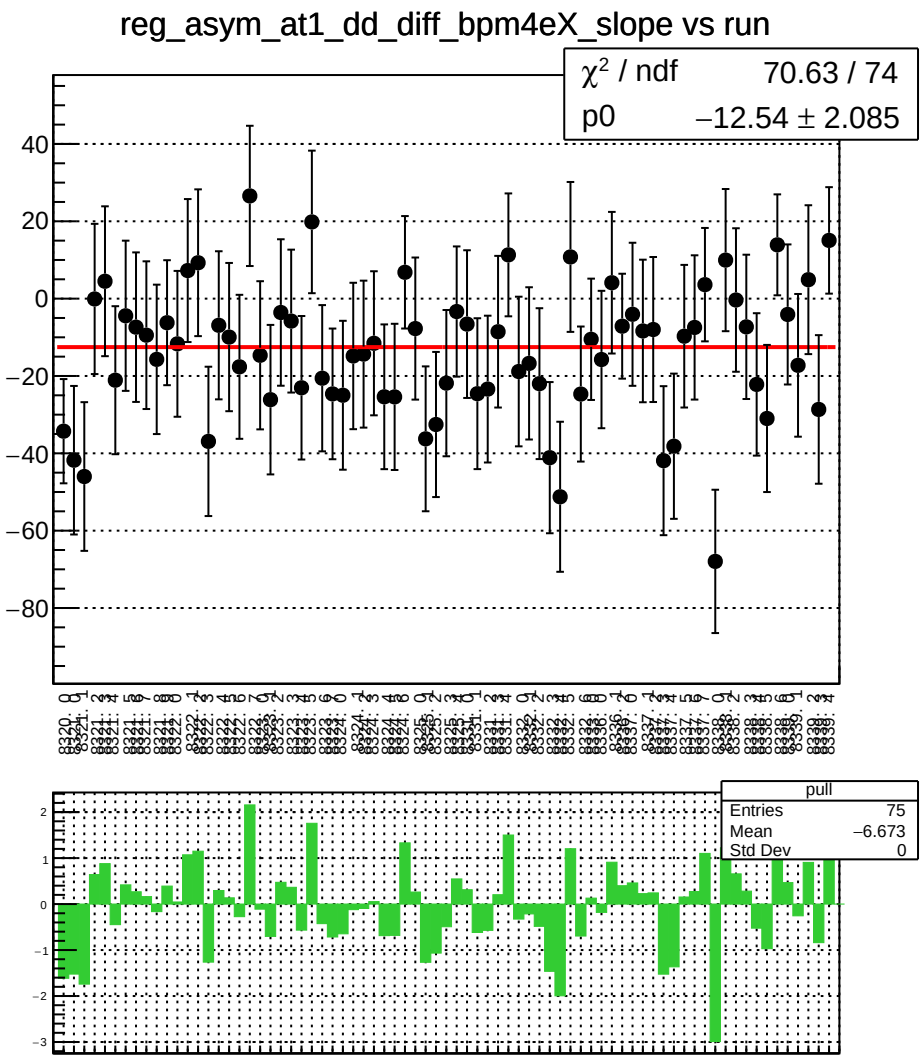

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.53 / 74
p0 1.846 ± 3.927
pull
Entries 75
Mean −127.4
Std Dev 0

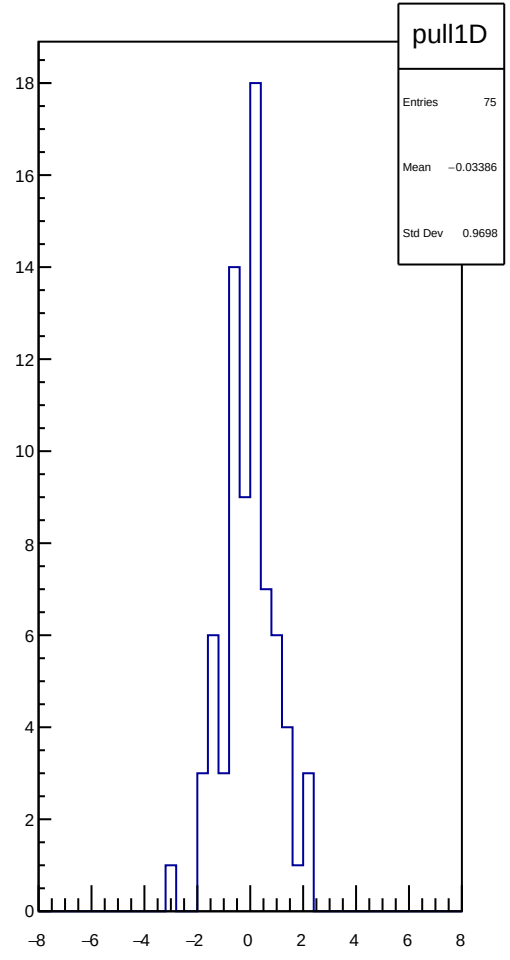

pull1D
Entries 75
Mean −0.009181
Std Dev 0.8369

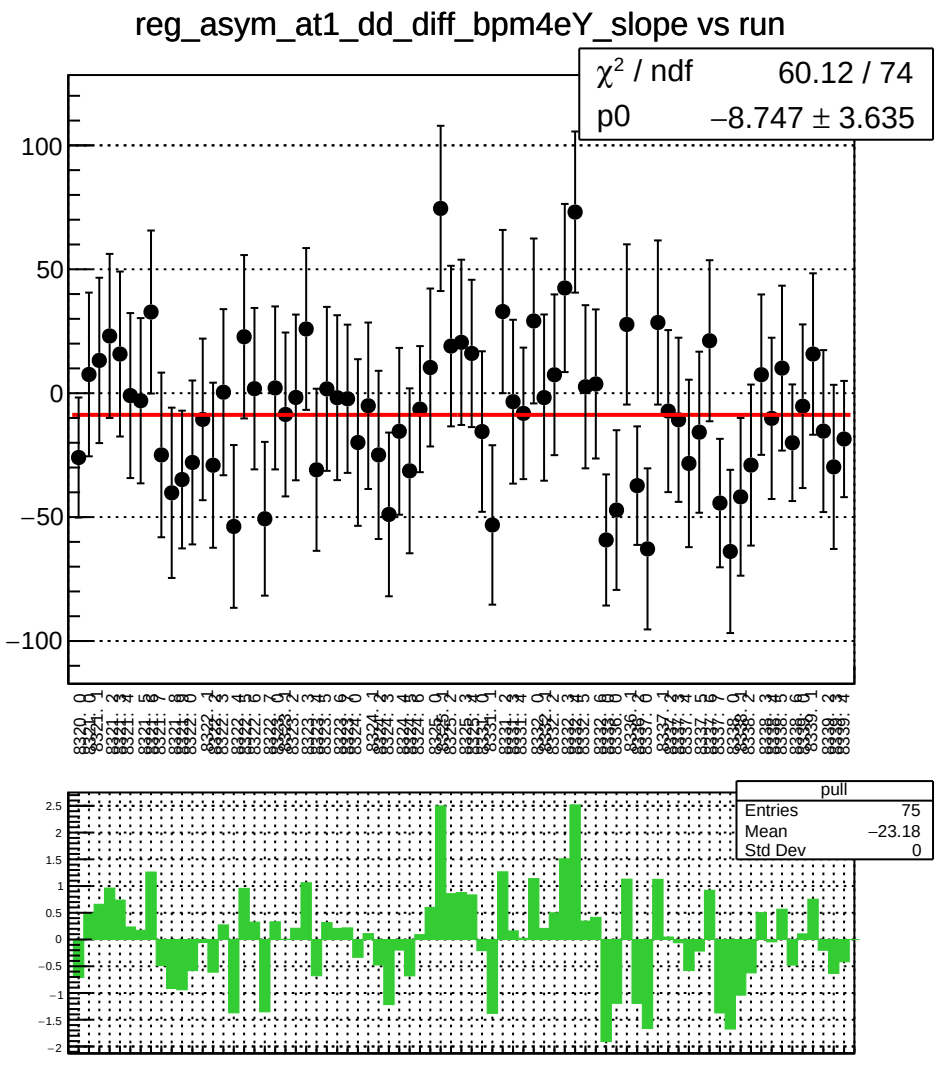

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 137.8 / 74
p0 −29.02 ± 0.2192
pull
Entries 75
Mean 1110
Std Dev 0
pull1D
Entries 75
Mean −0.01487
Std Dev 1.356

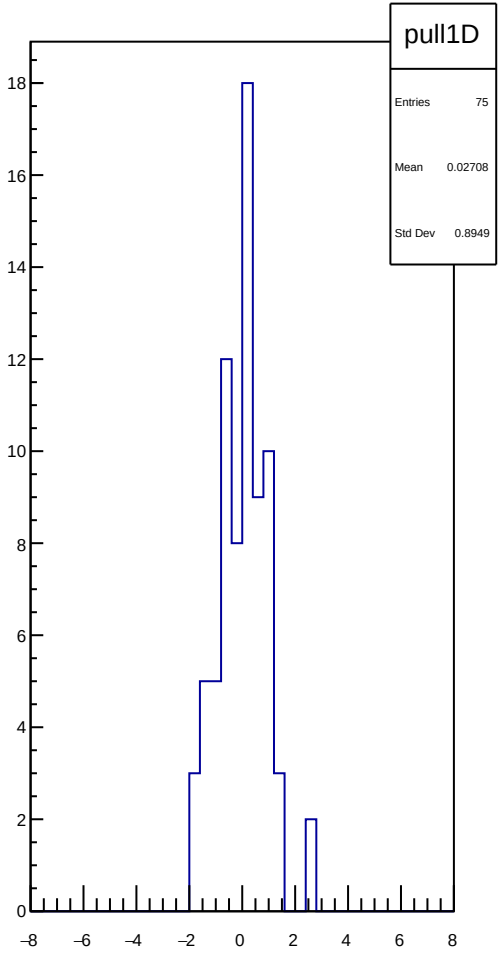

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 69.86 / 74
p0 62.42 ± 1.83
pull
Entries 75
Mean 2.995
Std Dev 0
pull1D
Entries 75
Mean 0.03298
Std Dev 0.9646

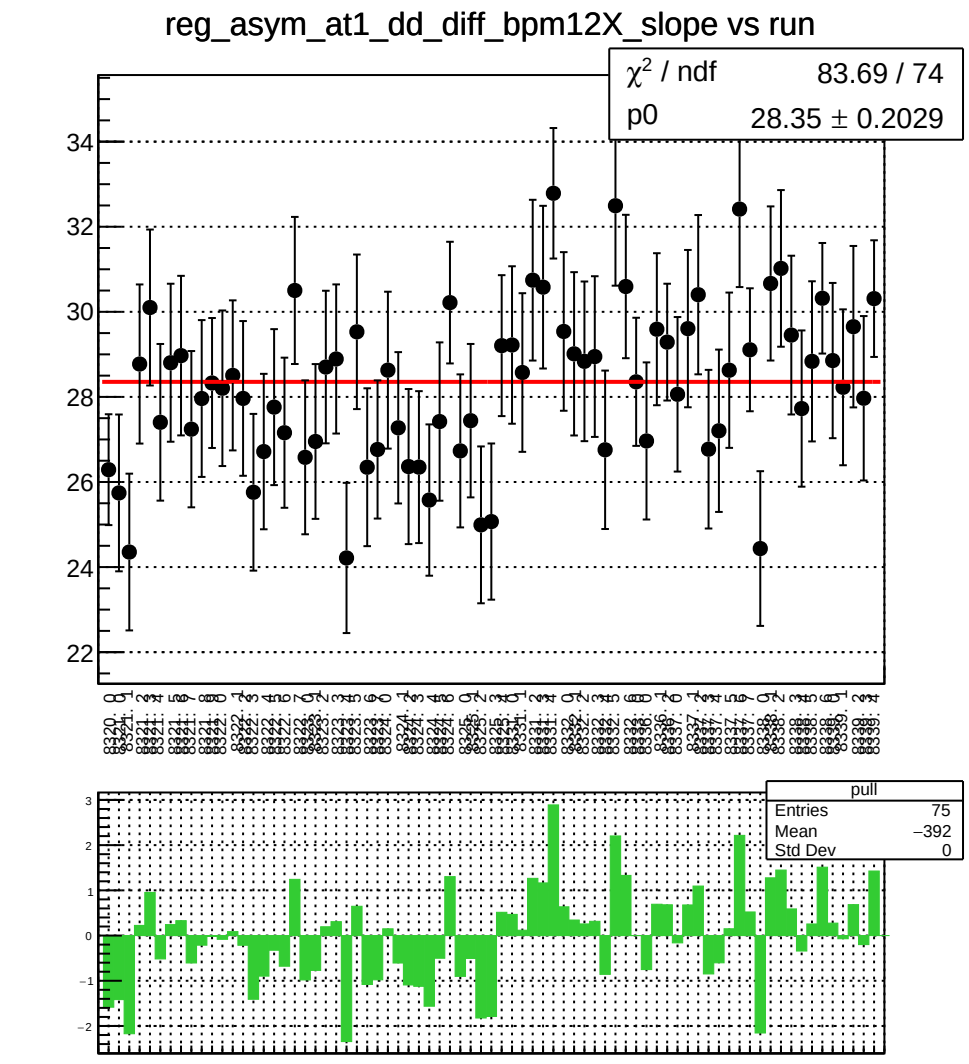

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.29 / 74
p0 −1.022 ± 3.495
pull
Entries 75
Mean −9.01
Std Dev 0
pull1D
Entries 75
Mean −0.02922
Std Dev 0.9035

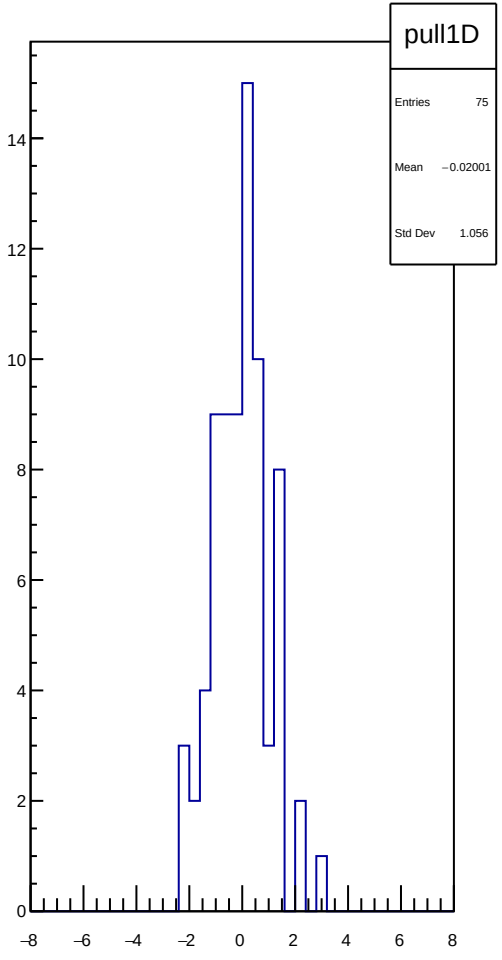

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.63 / 74
p0 −12.54 ± 2.085
pull
Entries 75
Mean −6.673
Std Dev 0

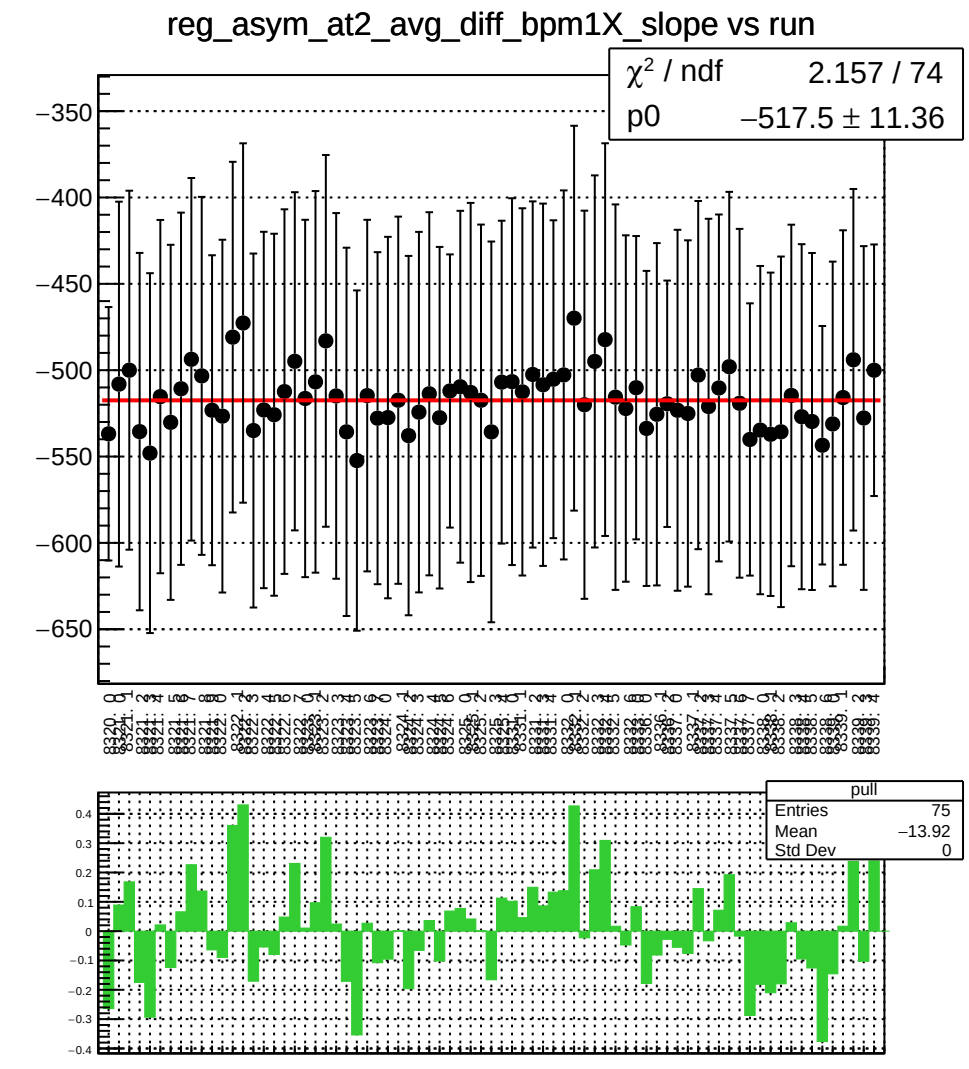

pull1D
Entries 75
Mean −0.03386
Std Dev 0.9698

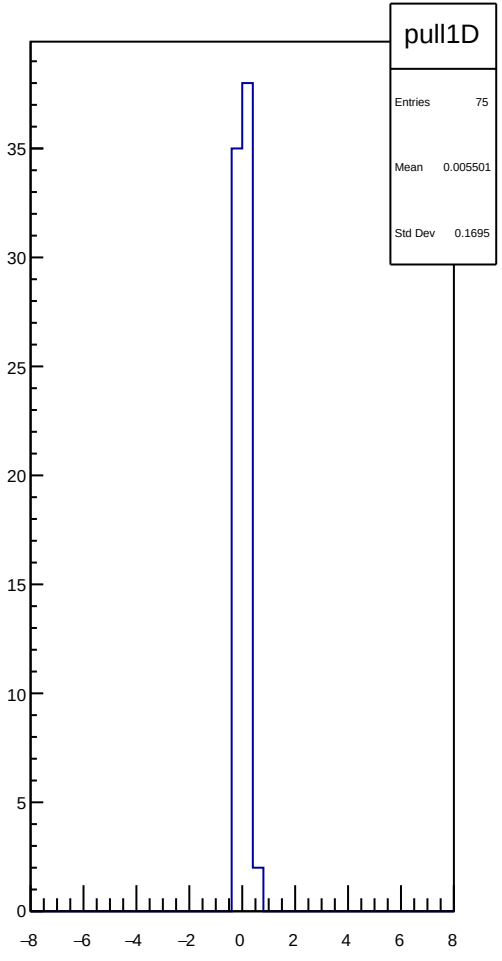

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.12 / 74
p0 −8.747 ± 3.635
pull
Entries 75
Mean −23.18
Std Dev 0

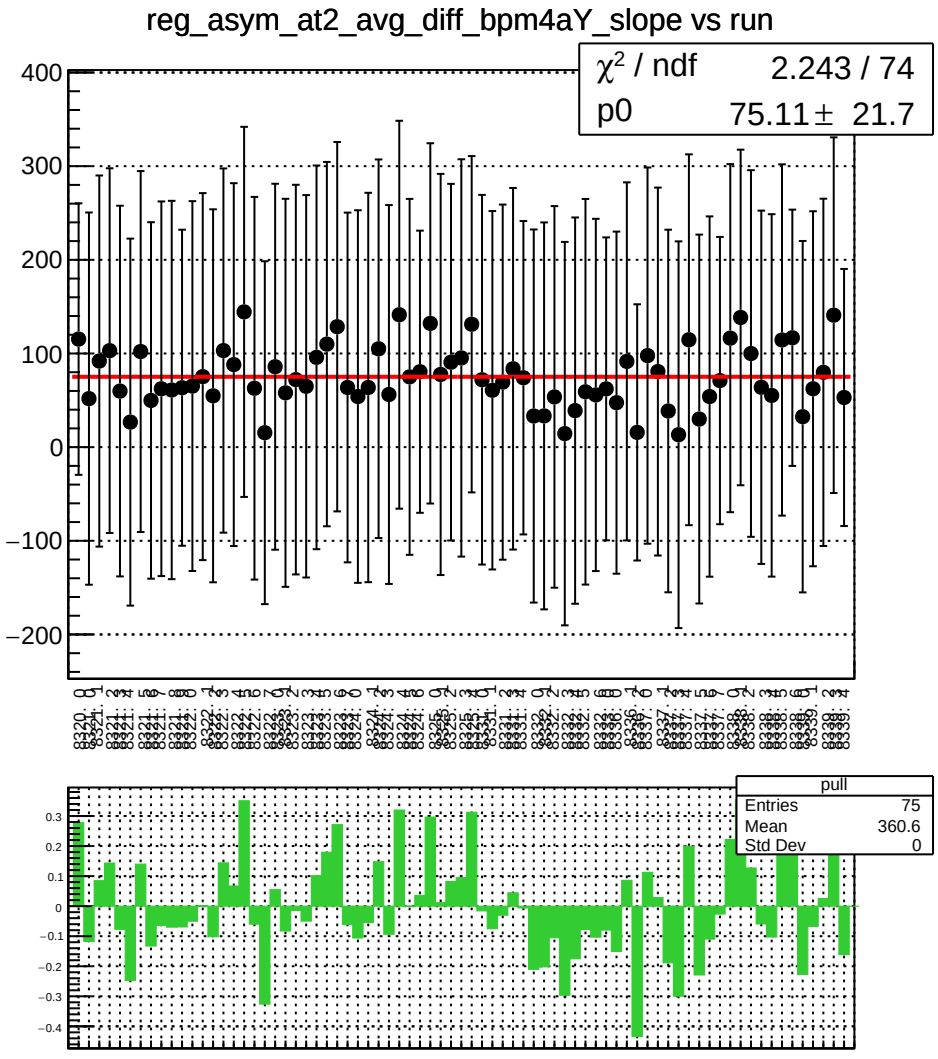

pull1D
Entries 75
Mean 0.02708
Std Dev 0.8949

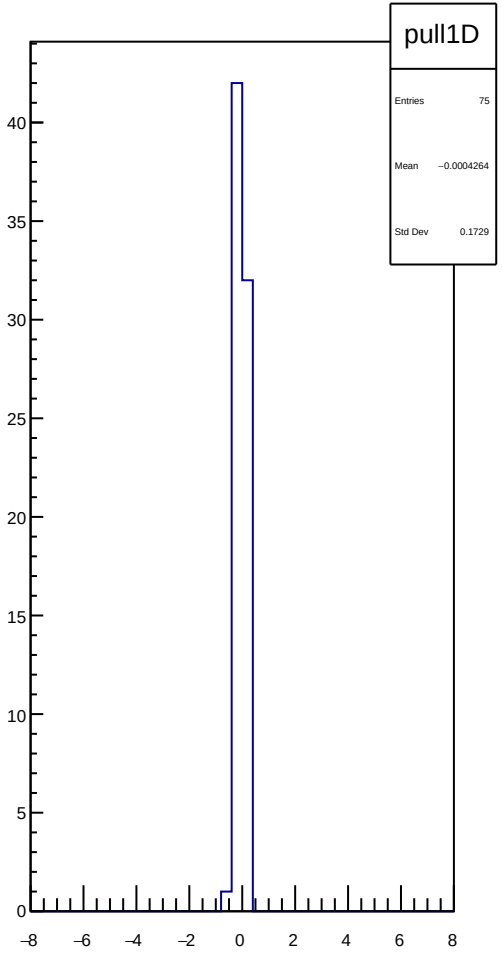

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 83.69 / 74
p0 28.35 ± 0.2029
pull
Entries 75
Mean −392
Std Dev 0

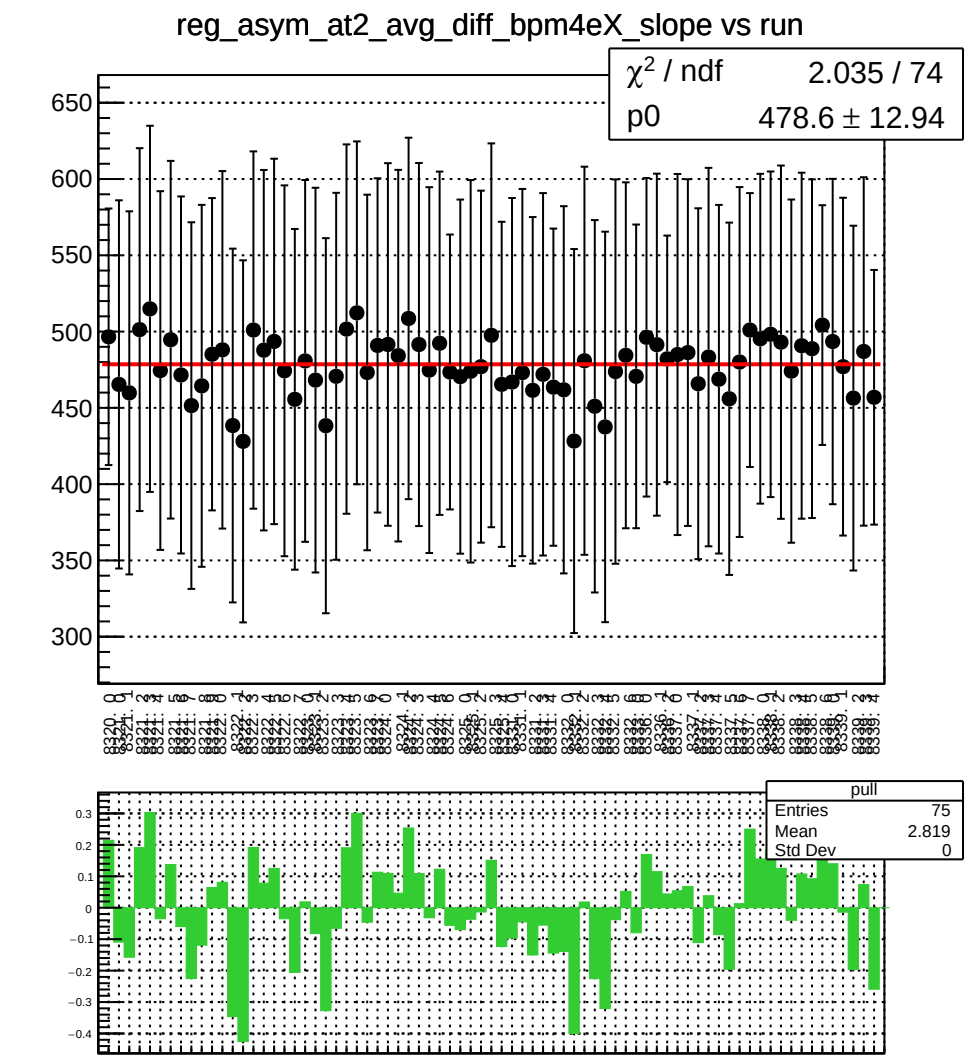

pull1D
Entries 75
Mean −0.02001
Std Dev 1.056

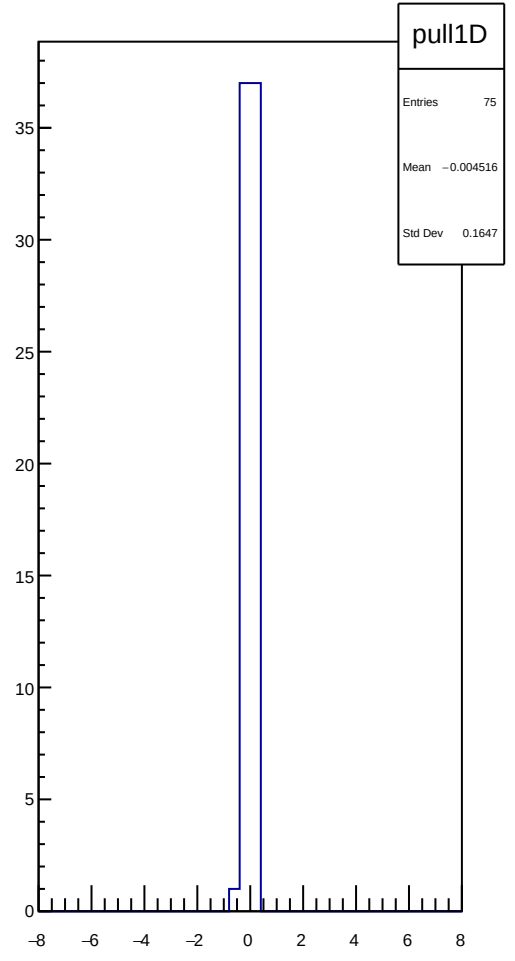

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 2.157 / 74
p0 −517.5 ± 11.36
pull
Entries 75
Mean −13.92
Std Dev 0

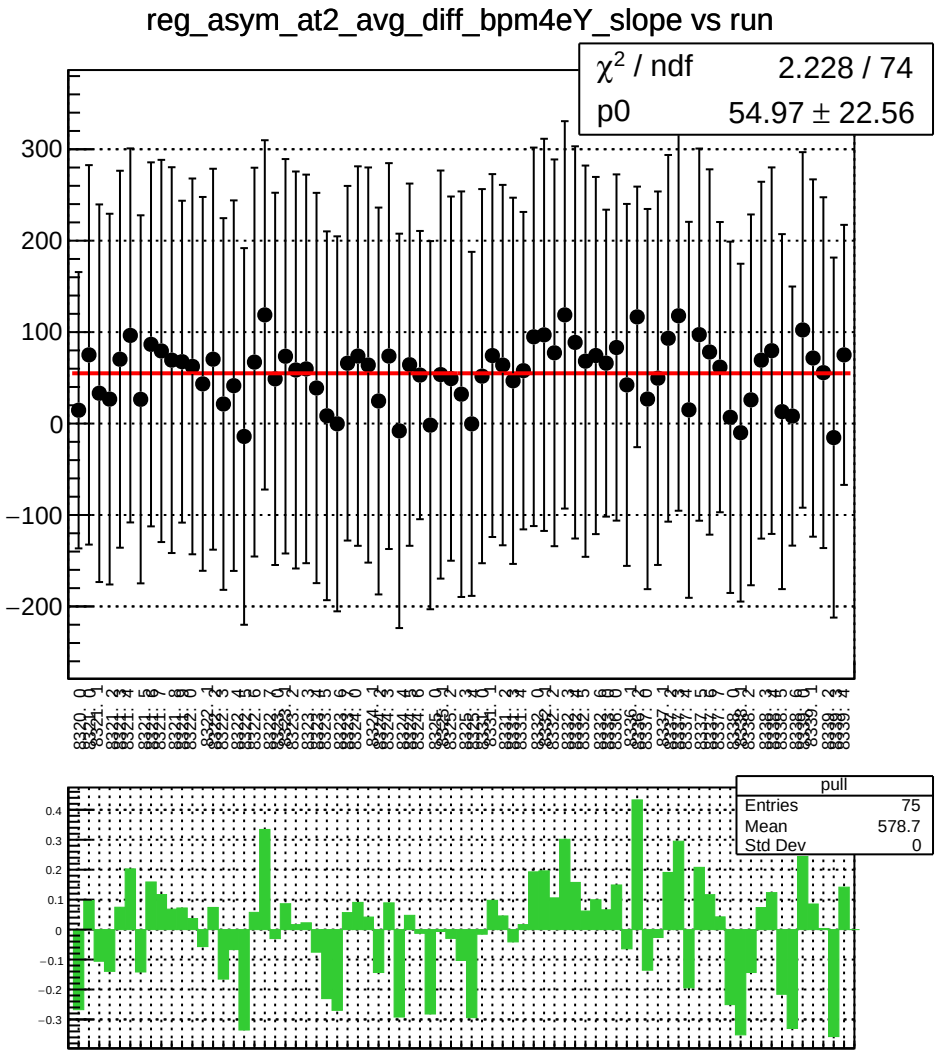

pull1D
Entries 75
Mean 0.005501
Std Dev 0.1695

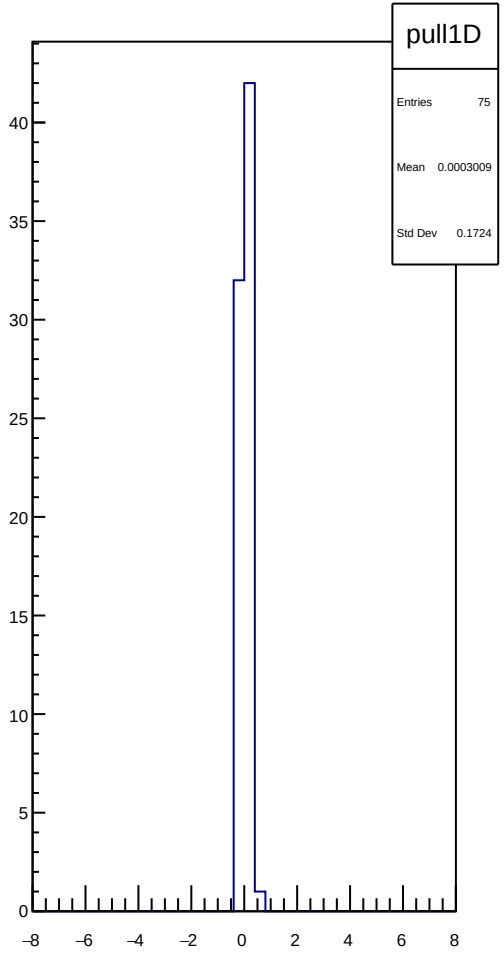

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.243 / 74
p0 75.11 ± 21.7
pull
Entries 75
Mean 360.6
Std Dev 0

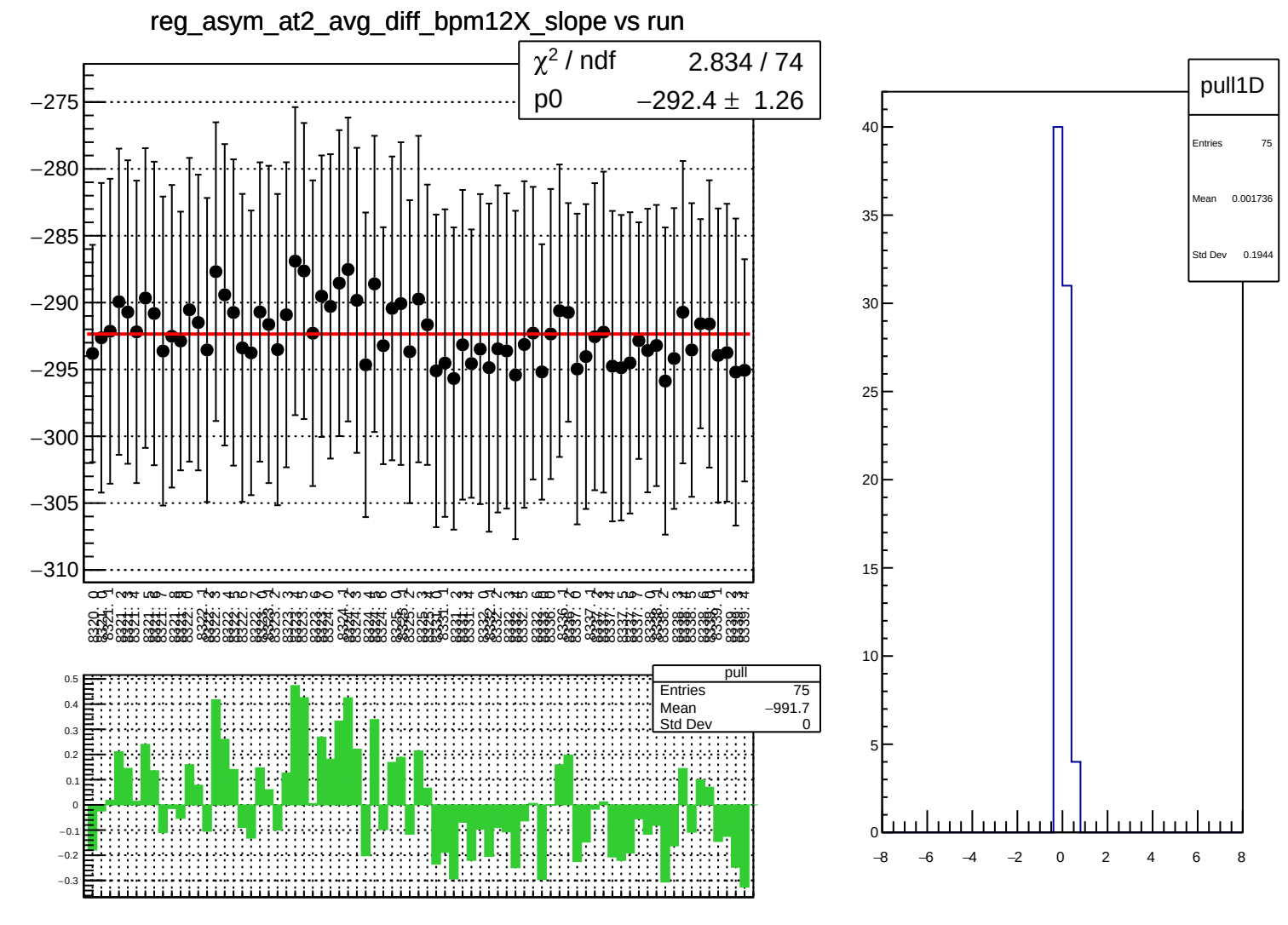

pull1D
Entries 75
Mean −0.0004264
Std Dev 0.1729

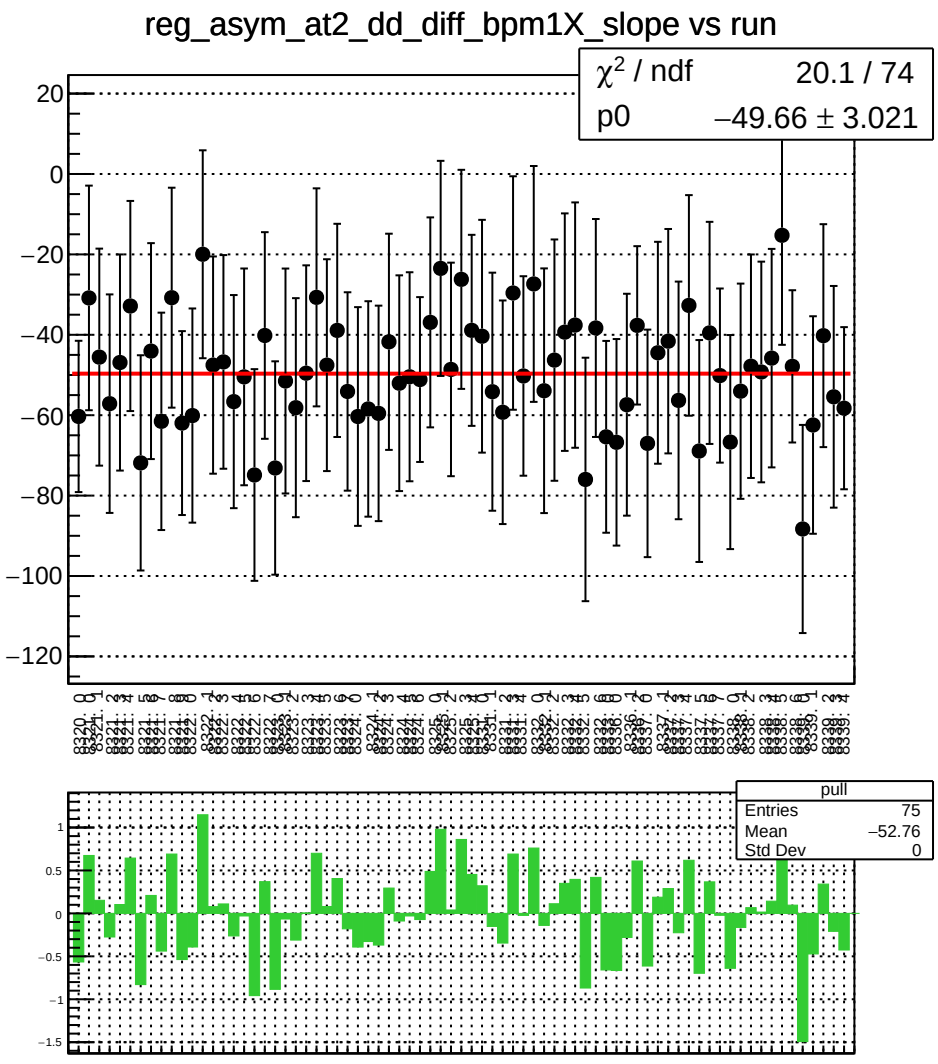

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.035 / 74
p0 478.6 ± 12.94
650
600
550
500
450
400
350
300
pull
Entries 75
Mean 2.819
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

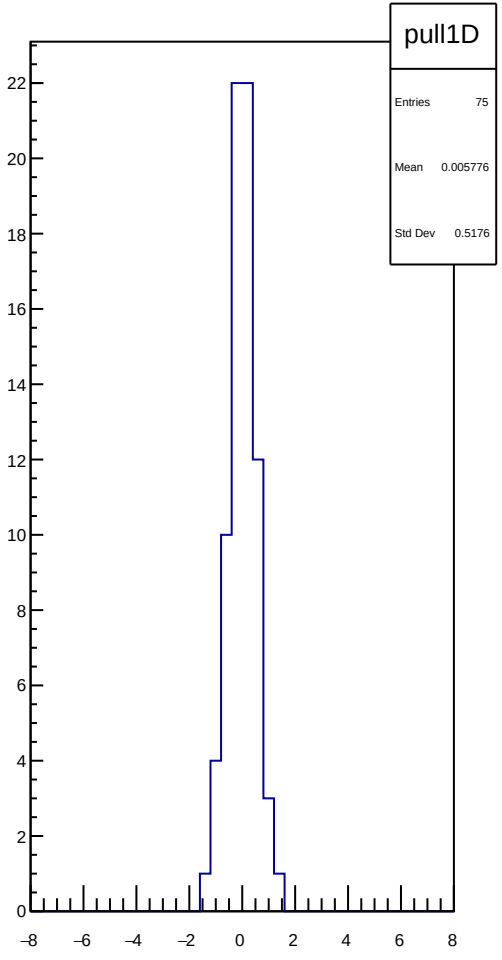

pull1D
Entries 75
Mean −0.004516
Std Dev 0.1647
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

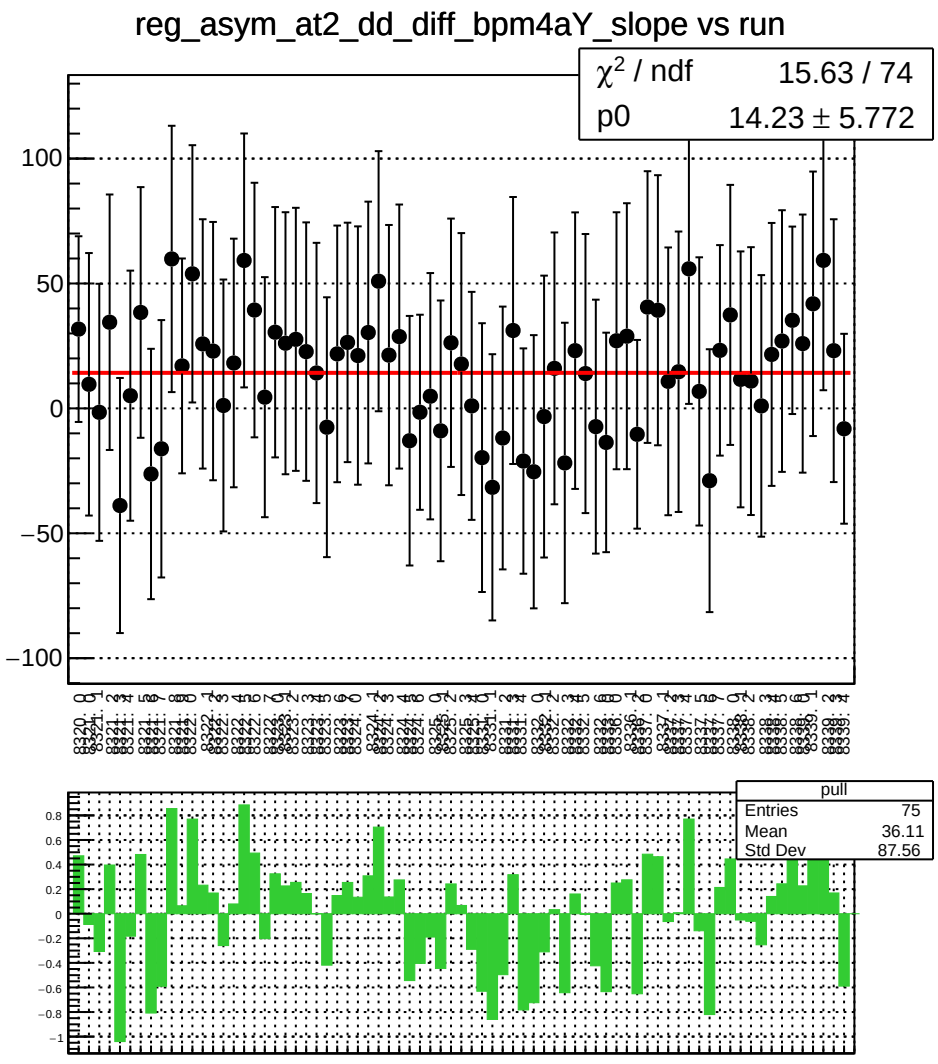

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.228 / 74
p0 54.97 ± 22.56
300
200
100
0
−100
−200
pull
Entries 75
Mean 578.7
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

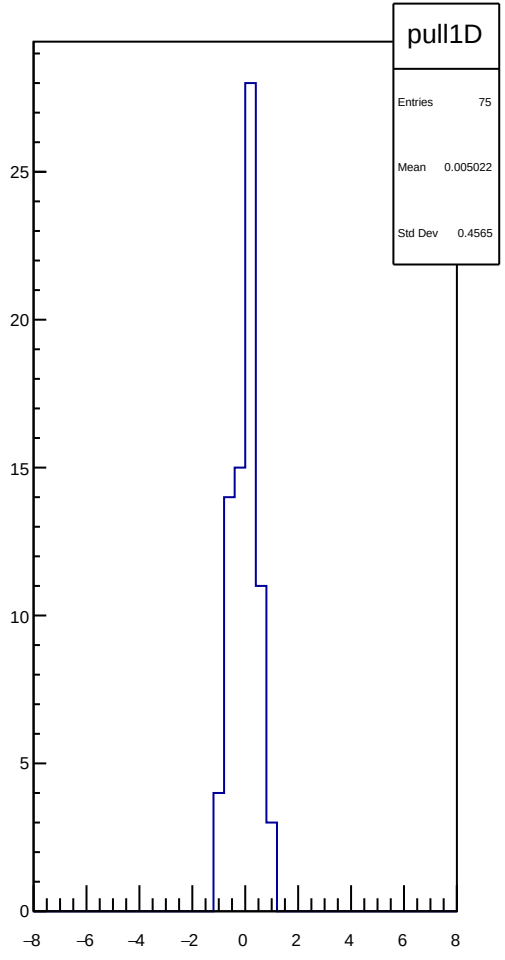

pull1D
Entries 75
Mean 0.0003009
Std Dev 0.1724
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

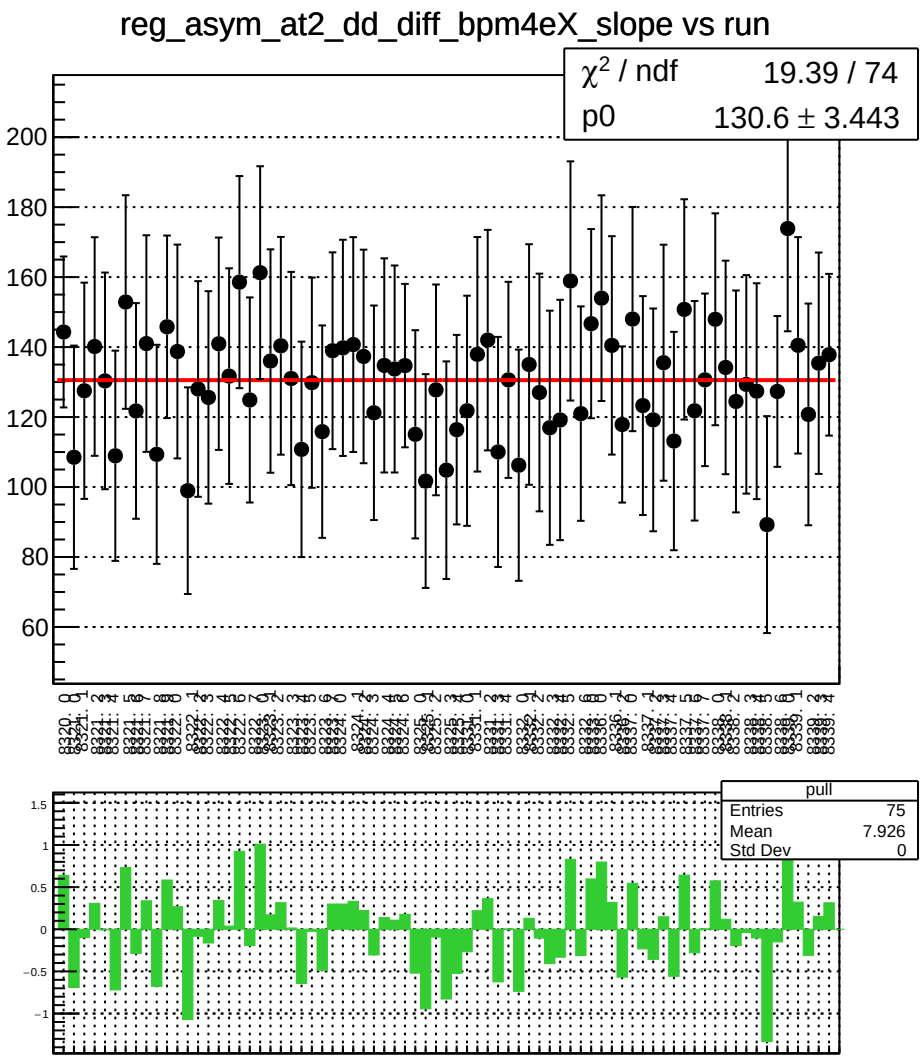

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 2.834 / 74
p0 −292.4 ± 1.26
pull
Entries 75
Mean −991.7
Std Dev 0
pull1D
Entries 75
Mean 0.001736
Std Dev 0.1944

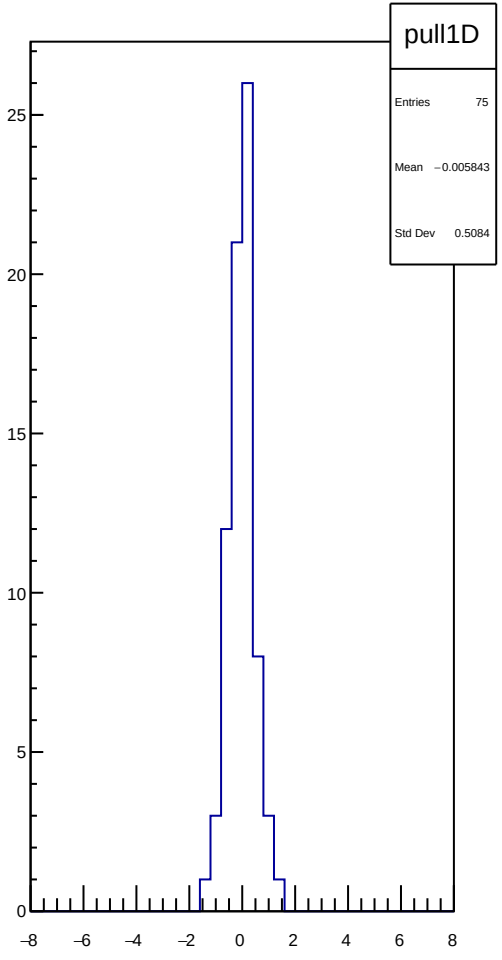

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 20.1 / 74
p0 −49.66 ± 3.021
pull
Entries 75
Mean −52.76
Std Dev 0

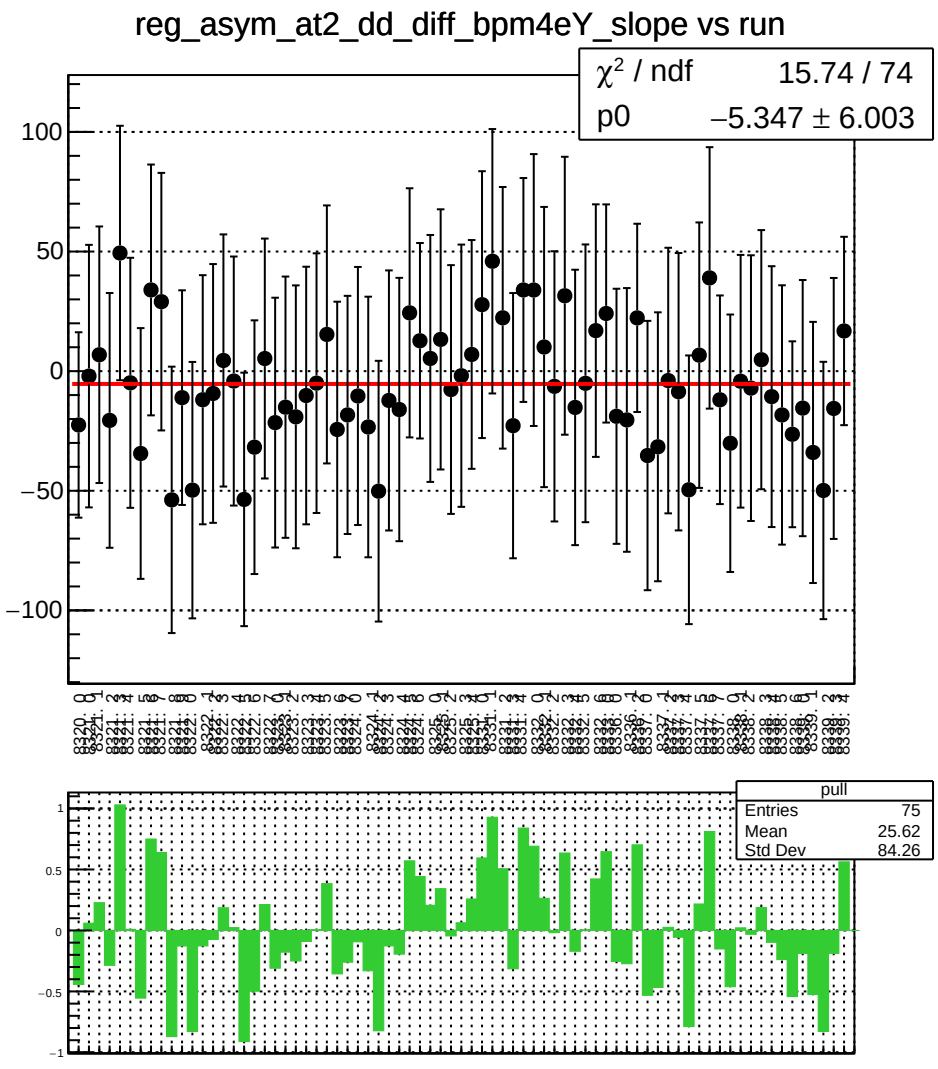

pull1D
Entries 75
Mean 0.005776
Std Dev 0.5176

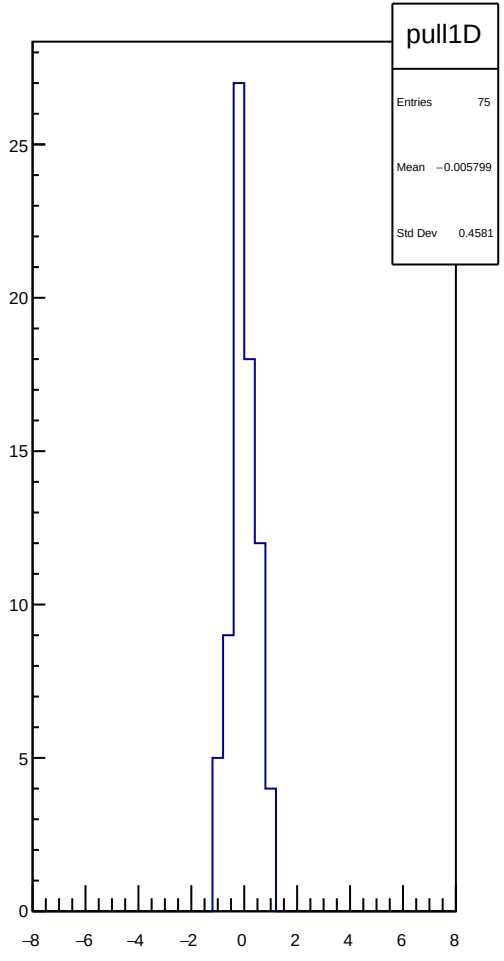

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.63 / 74
p0 14.23 ± 5.772
100
50
0
−50
−100
pull
Entries 75
Mean 36.11
Std Dev 87.56
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

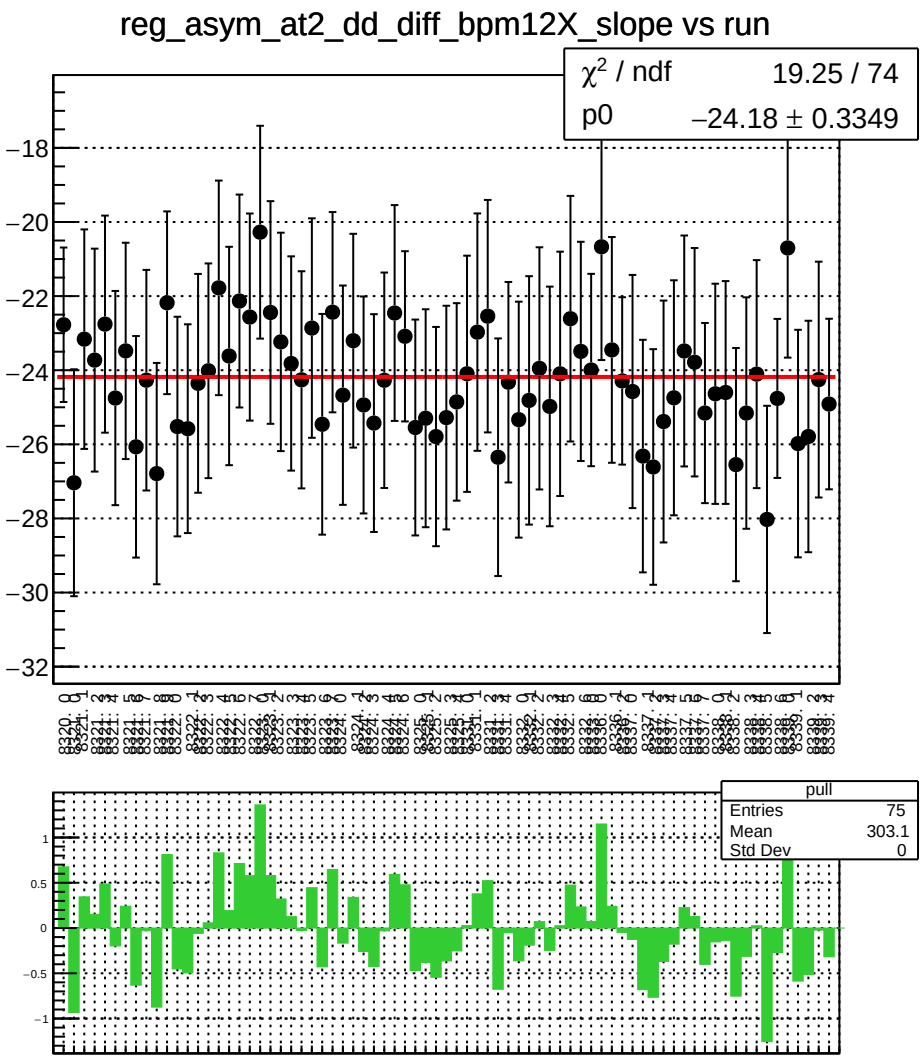

pull1D
Entries 75
Mean 0.005022
Std Dev 0.4565
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

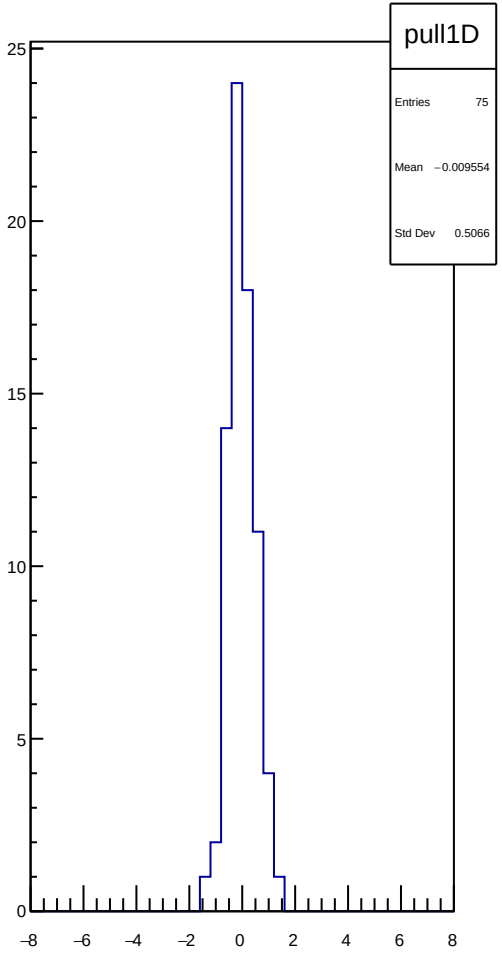

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.39 / 74
p0 130.6 ± 3.443
pull
Entries 75
Mean 7.926
Std Dev 0

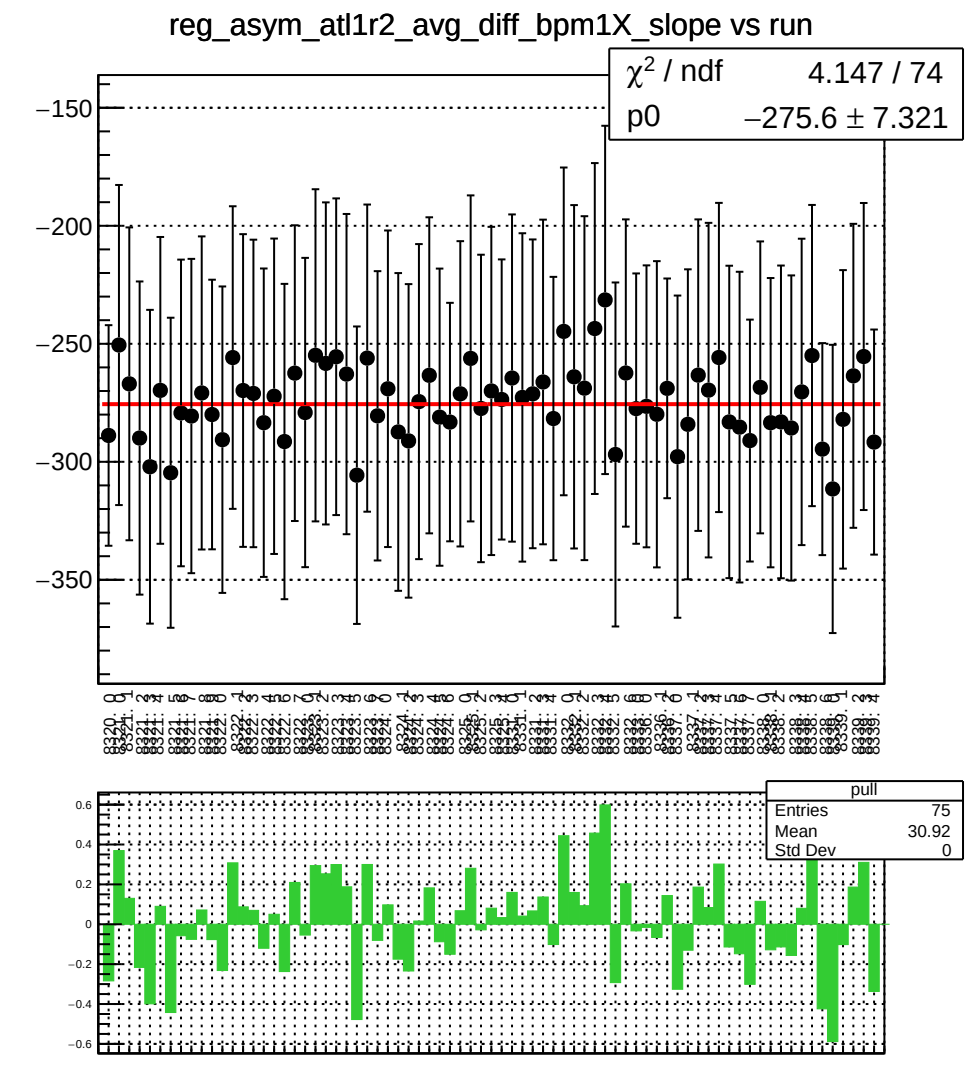

pull1D
Entries 75
Mean −0.005843
Std Dev 0.5084

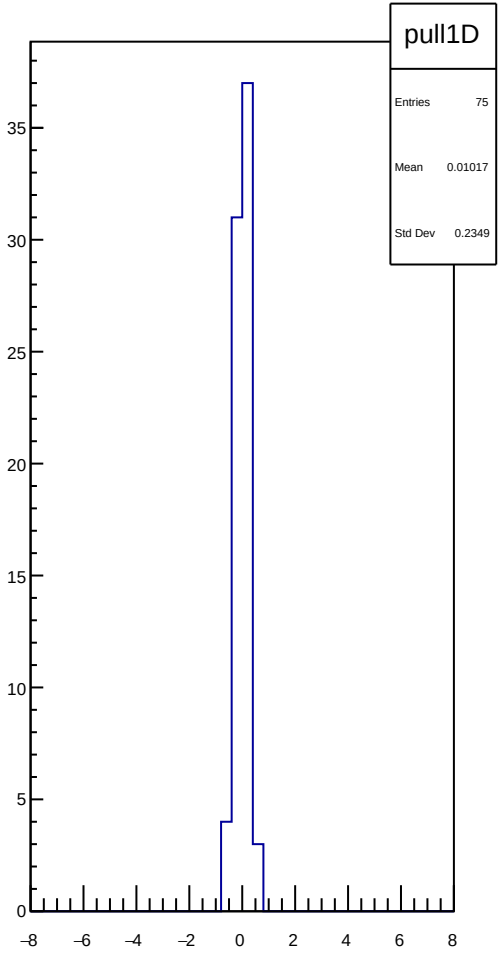

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.74 / 74
p0 −5.347 ± 6.003
100
50
0
−50
−100
pull
Entries 75
Mean 25.62
Std Dev 84.26
1
0.5
0
−0.5
−1

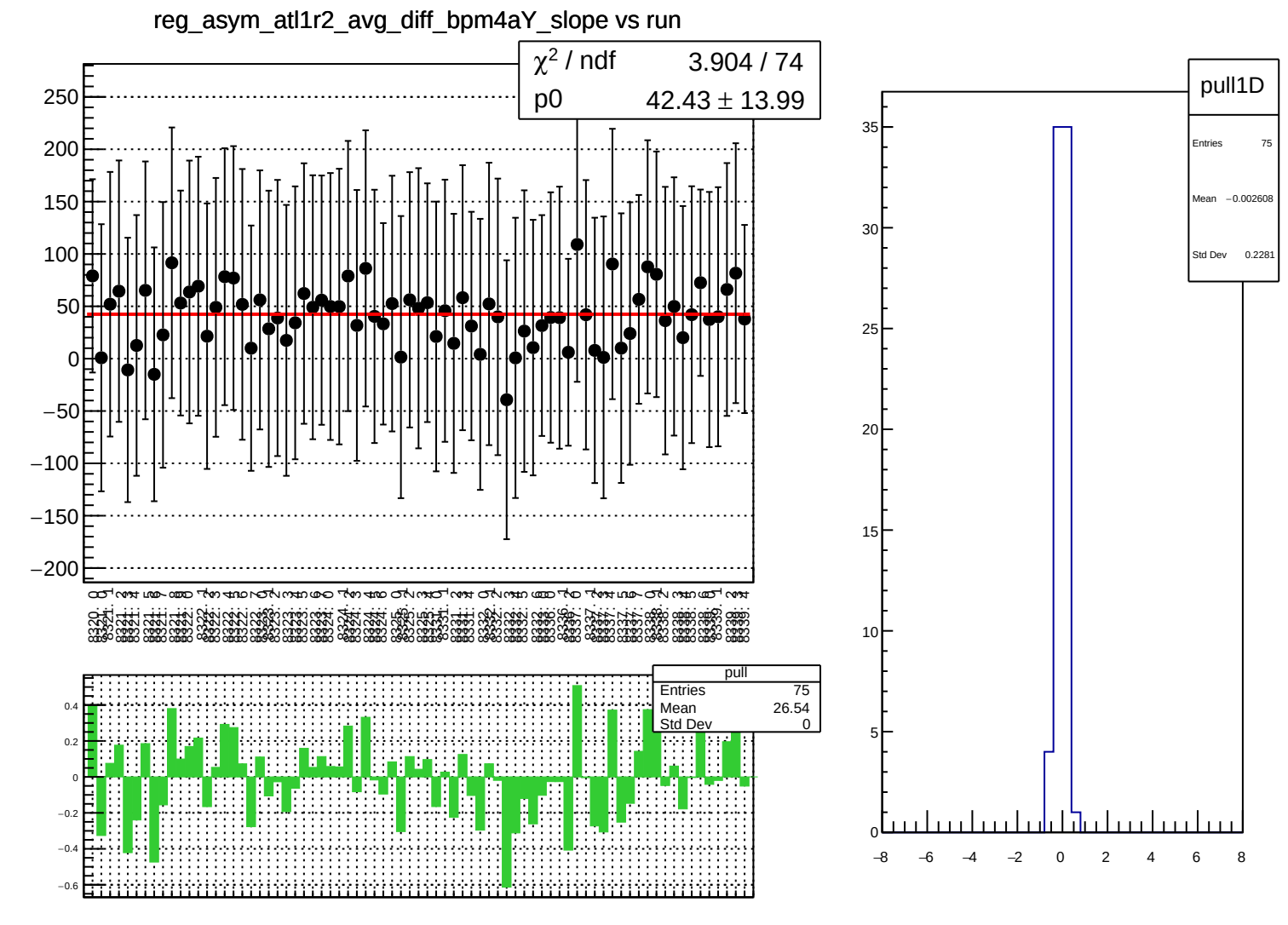

pull1D
Entries 75
Mean −0.005799
Std Dev 0.4581
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

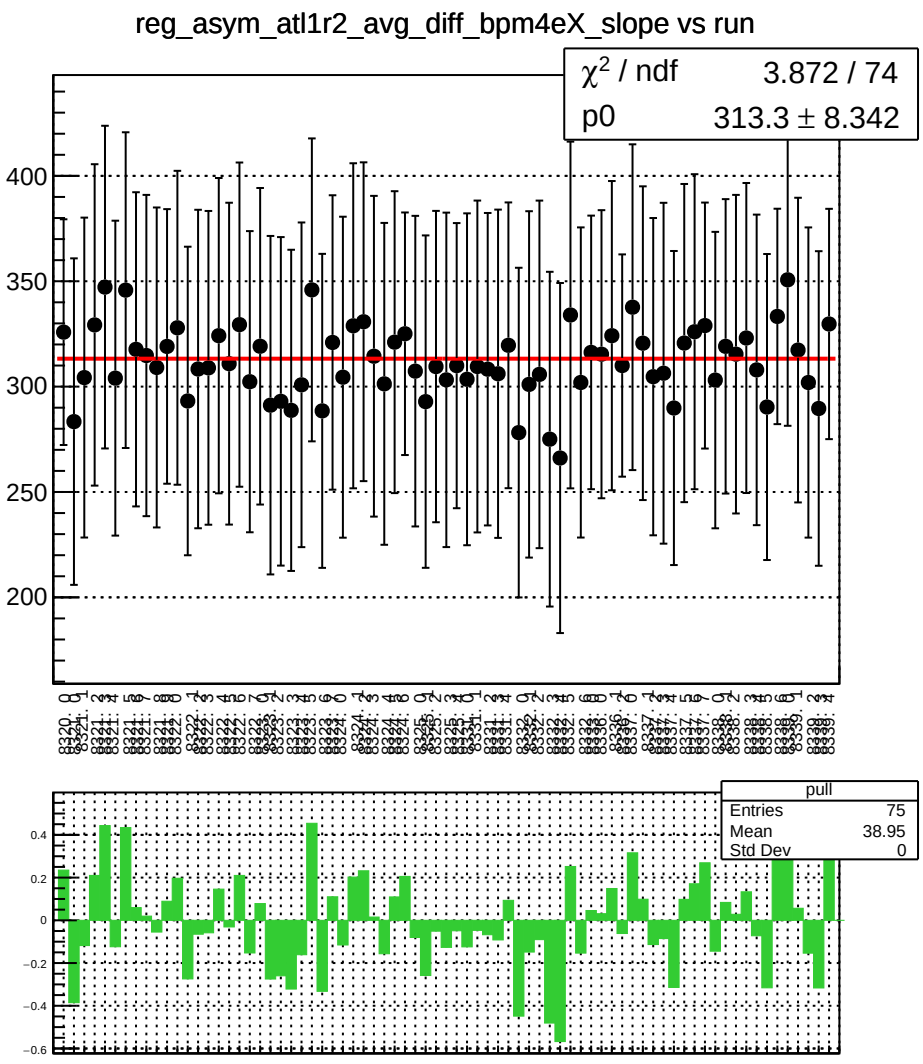

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.25 / 74
p0 −24.18 ± 0.3349
pull
Entries 75
Mean 303.1
Std Dev 0

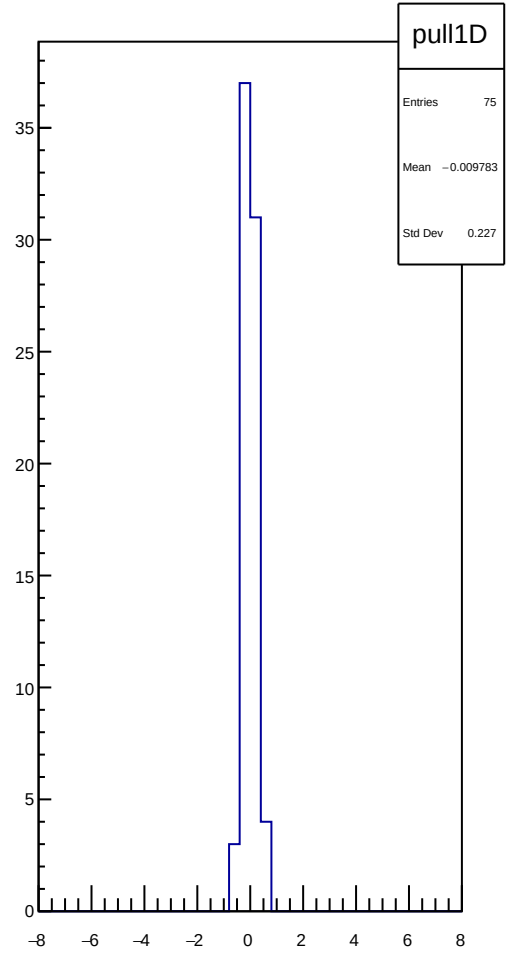

pull1D
Entries 75
Mean −0.009554
Std Dev 0.5066

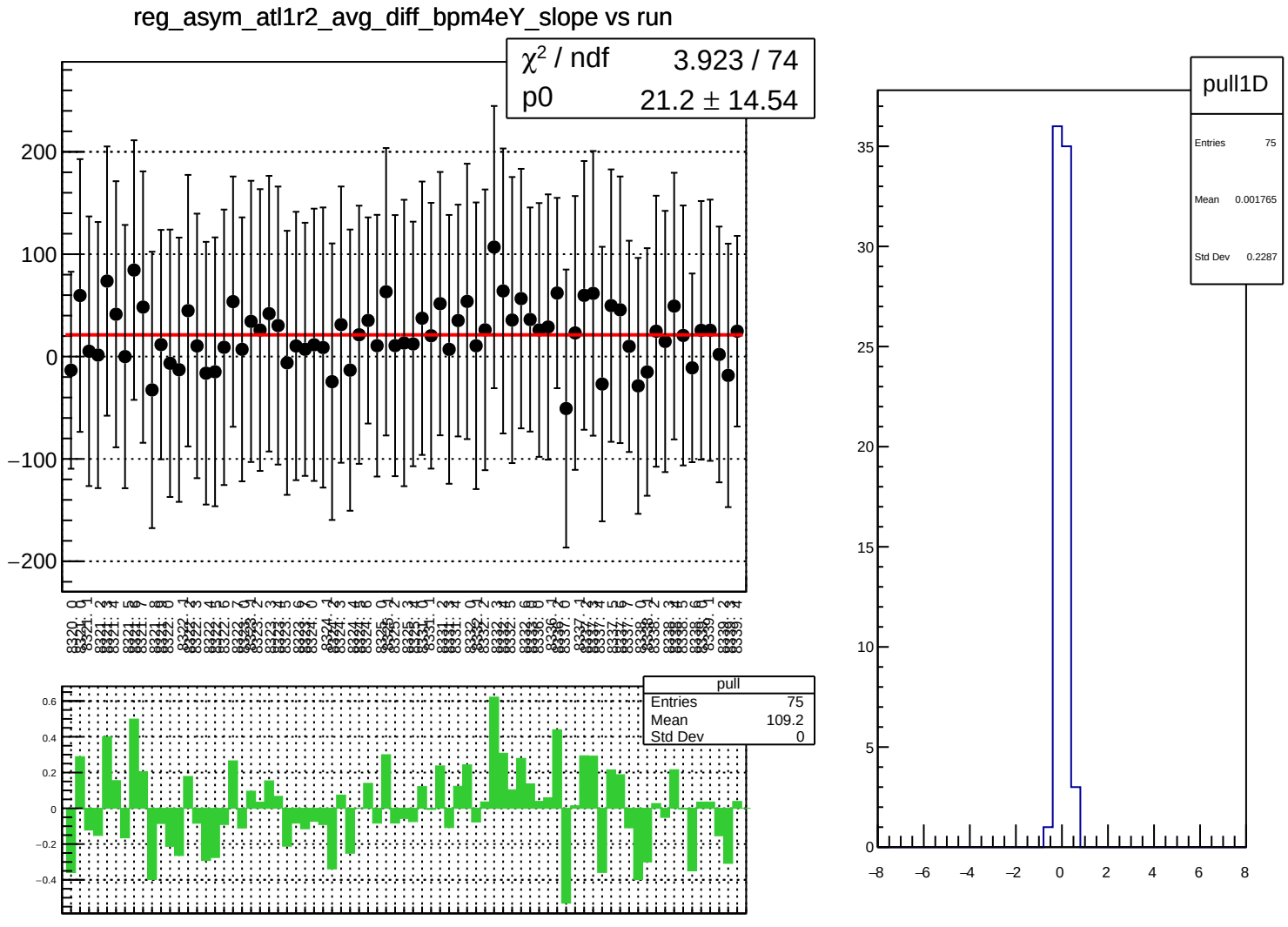

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.147 / 74
p0 −275.6 ± 7.321
pull
Entries 75
Mean 30.92
Std Dev 0

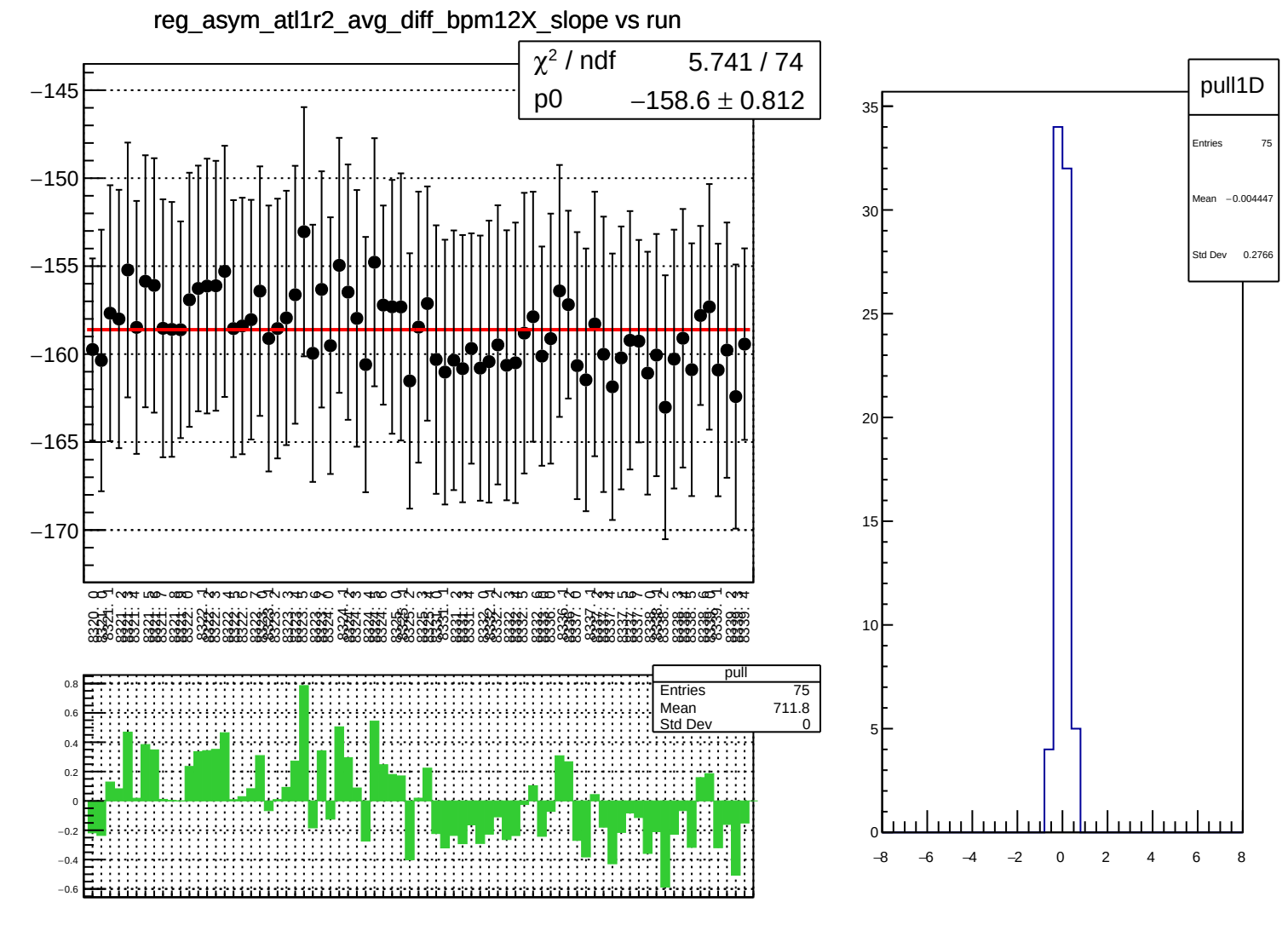

pull1D
Entries 75
Mean 0.01017
Std Dev 0.2349

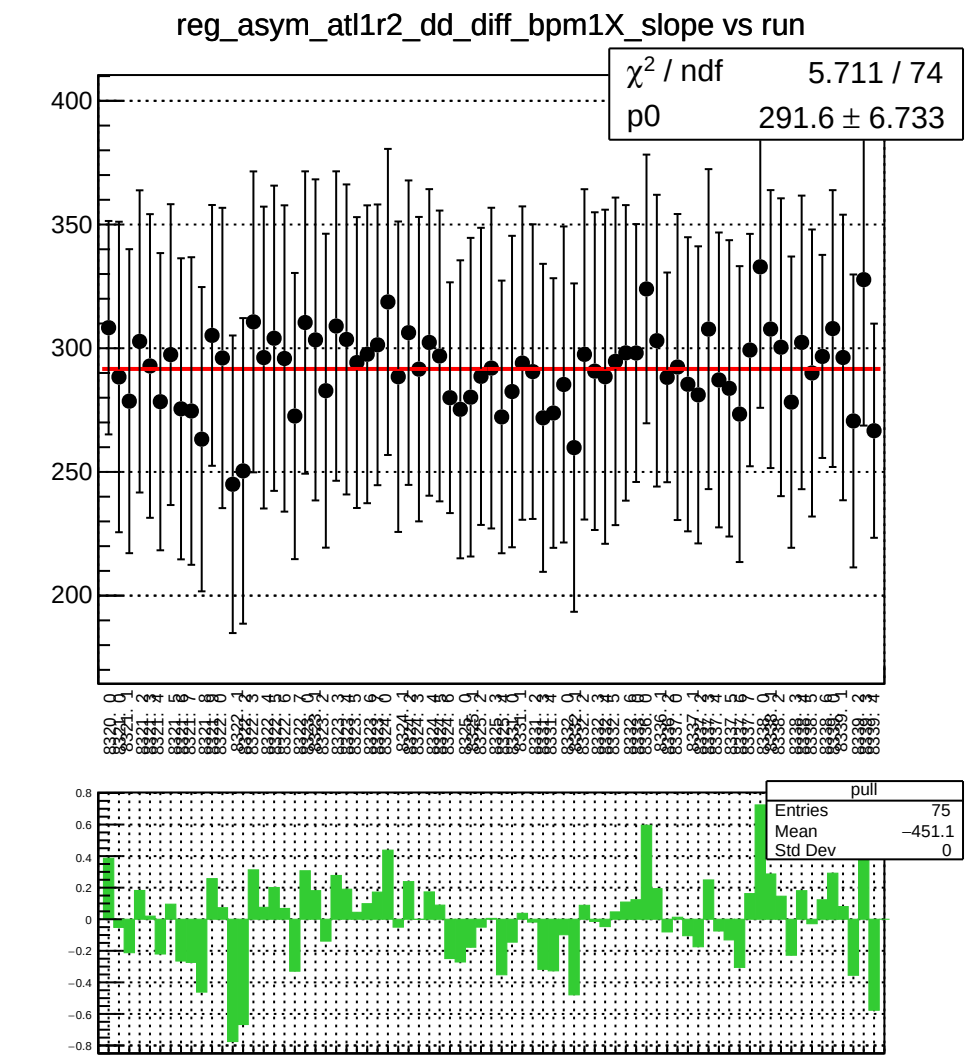

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.904 / 74
p0 42.43 ± 13.99
pull
Entries 75
Mean 26.54
Std Dev 0
pull1D
Entries 75
Mean −0.002608
Std Dev 0.2281

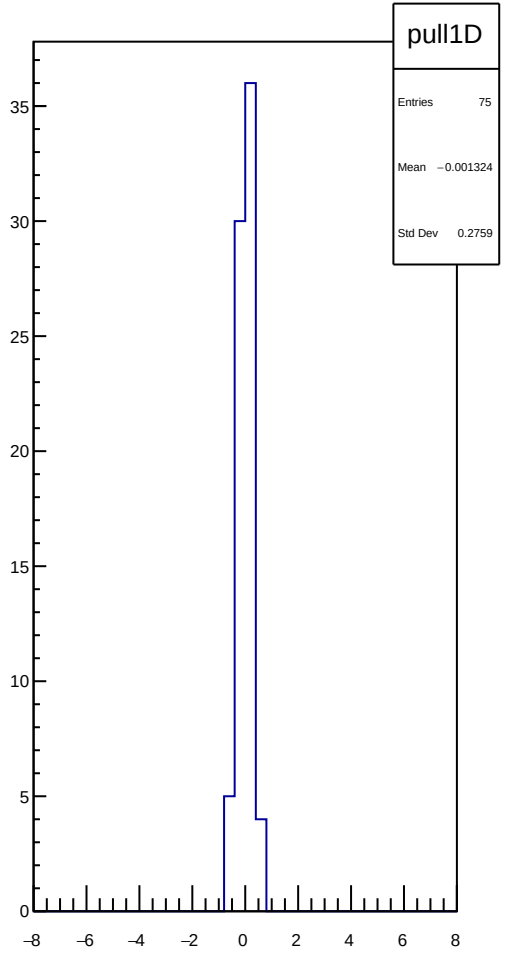

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.872 / 74
p0 313.3 ± 8.342
400
350
300
250
200
pull
Entries 75
Mean 38.95
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

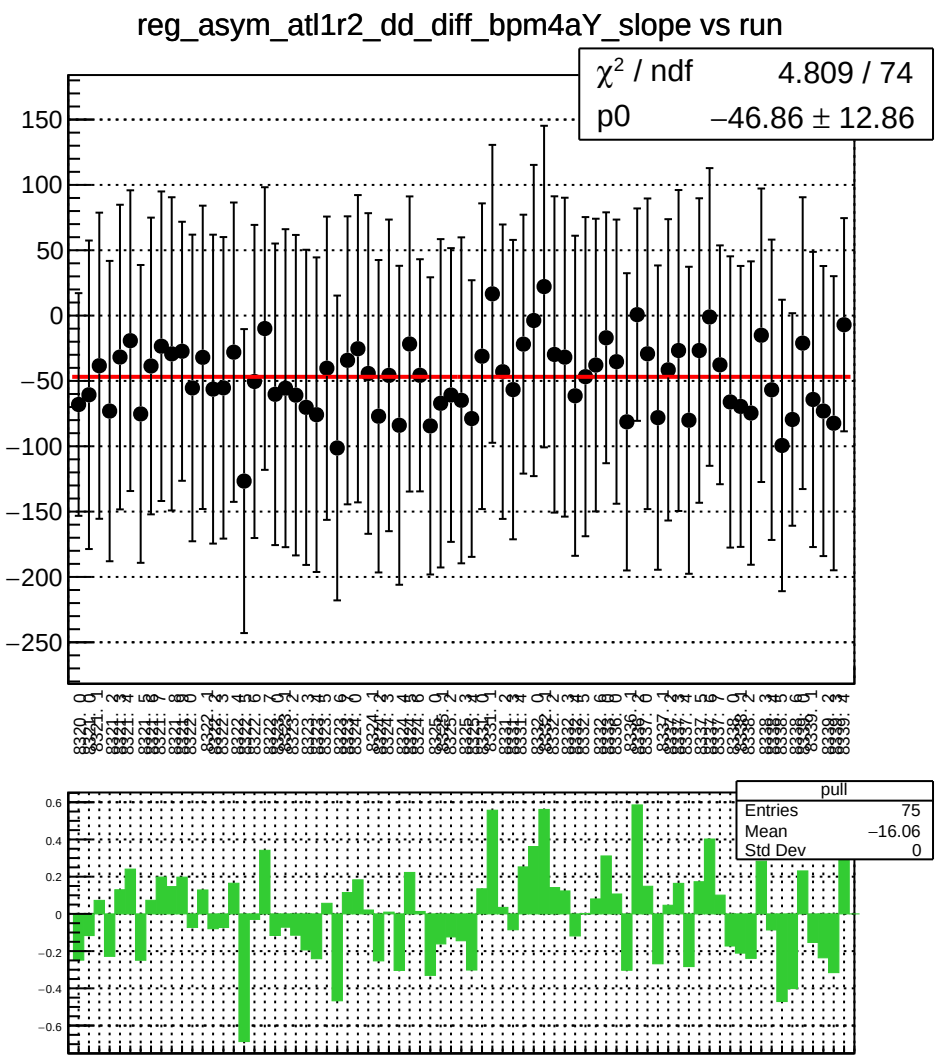

pull1D
Entries 75
Mean −0.009783
Std Dev 0.227
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

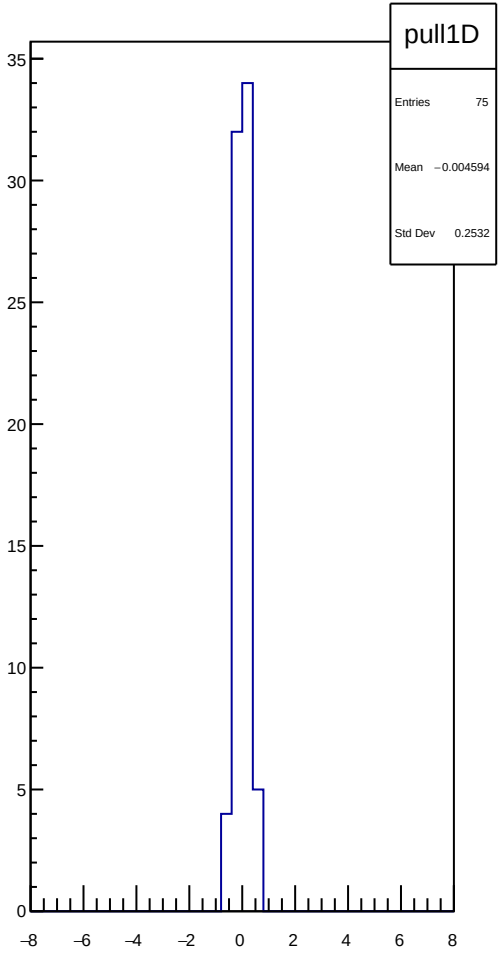

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.923 / 74
p0 21.2 ± 14.54
200
100
0
−100
−200
pull
Entries 75
Mean 109.2
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 75
Mean 0.001765
Std Dev 0.2287
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

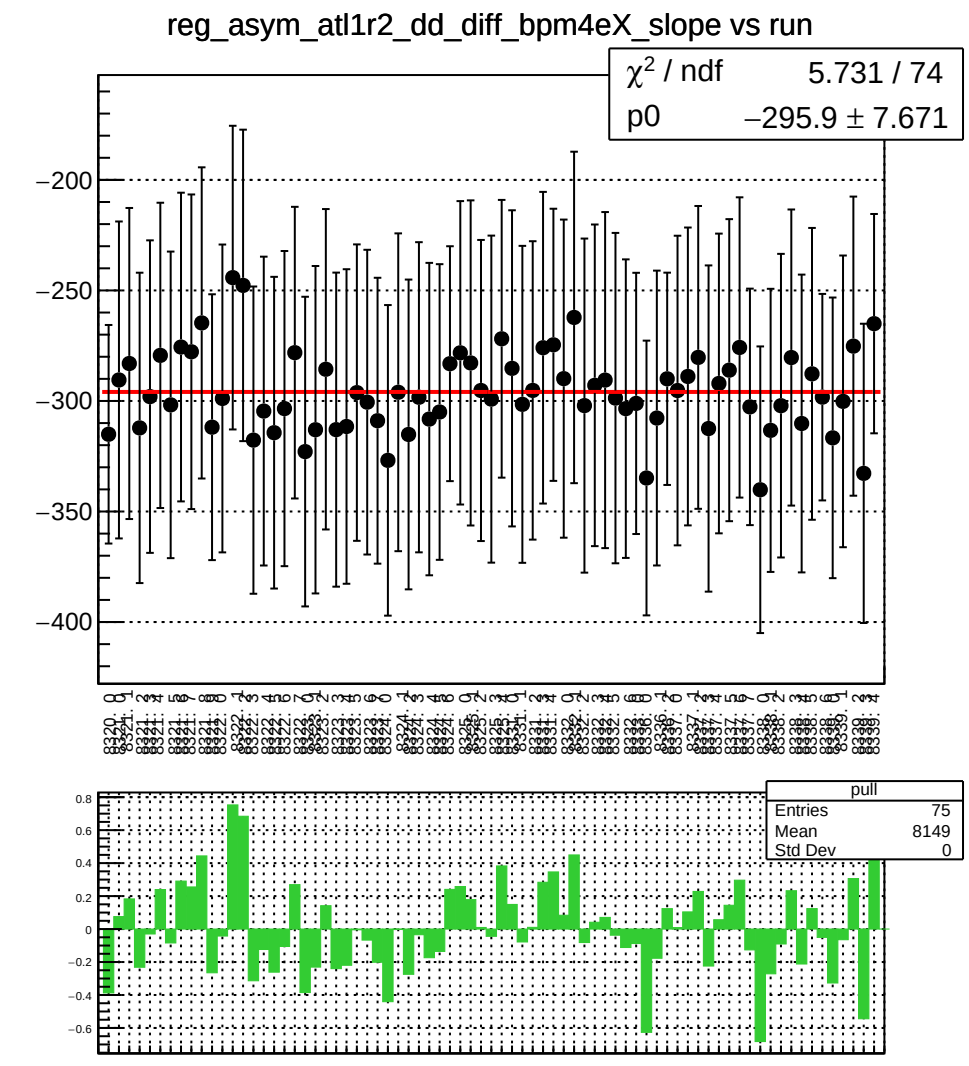

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5.741 / 74
p0 −158.6 ± 0.812
−145
−150
−155
−160
−165
−170
pull
Entries 75
Mean 711.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 75
Mean −0.004447
Std Dev 0.2766
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

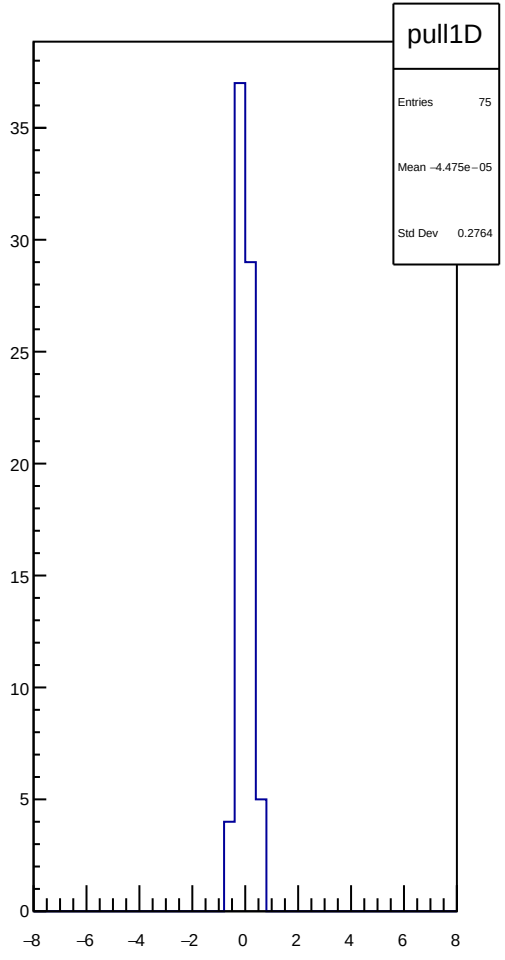

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 5.711 / 74
p0 291.6 ± 6.733
pull
Entries 75
Mean −451.1
Std Dev 0

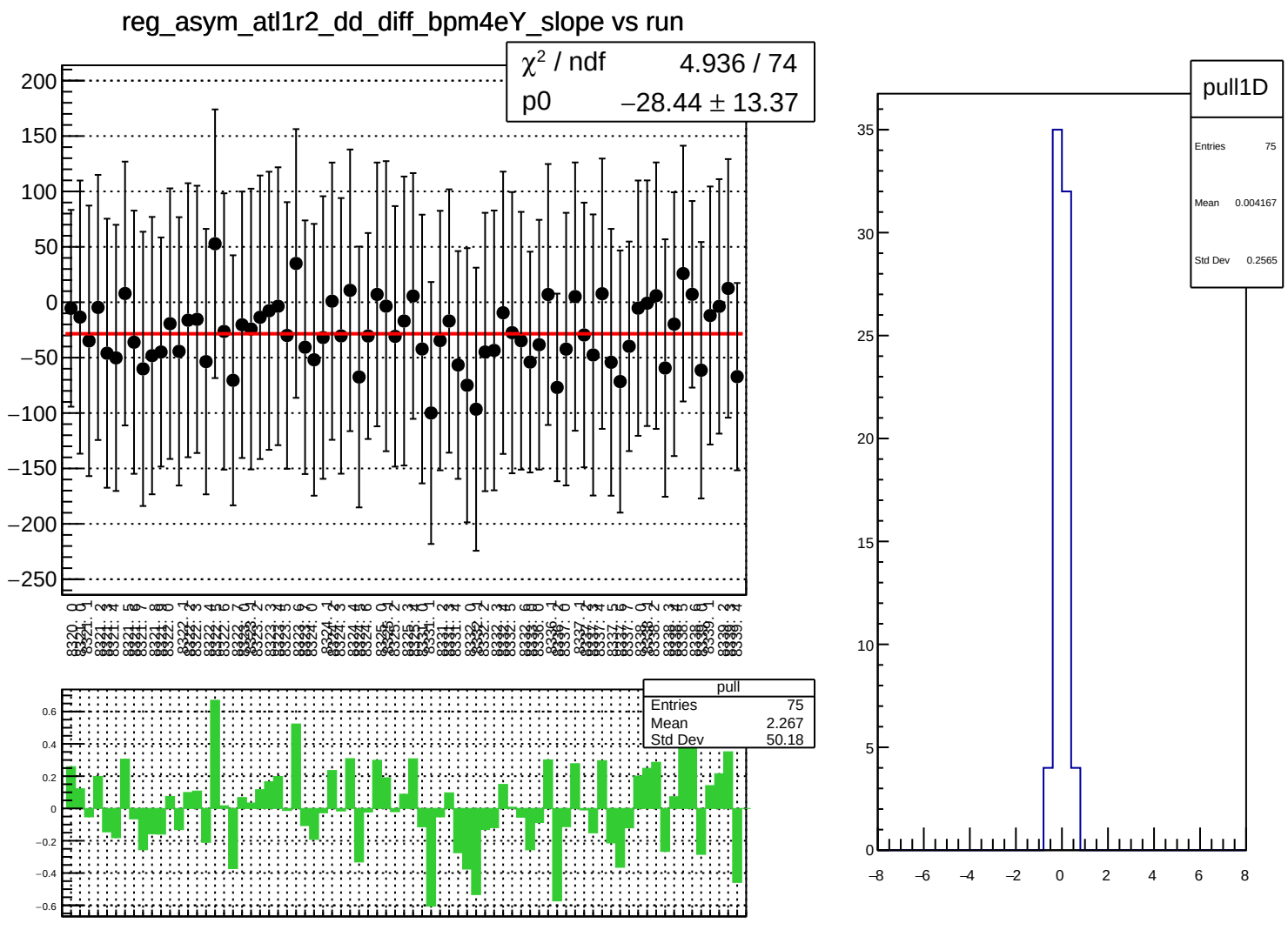

pull1D
Entries 75
Mean −0.001324
Std Dev 0.2759

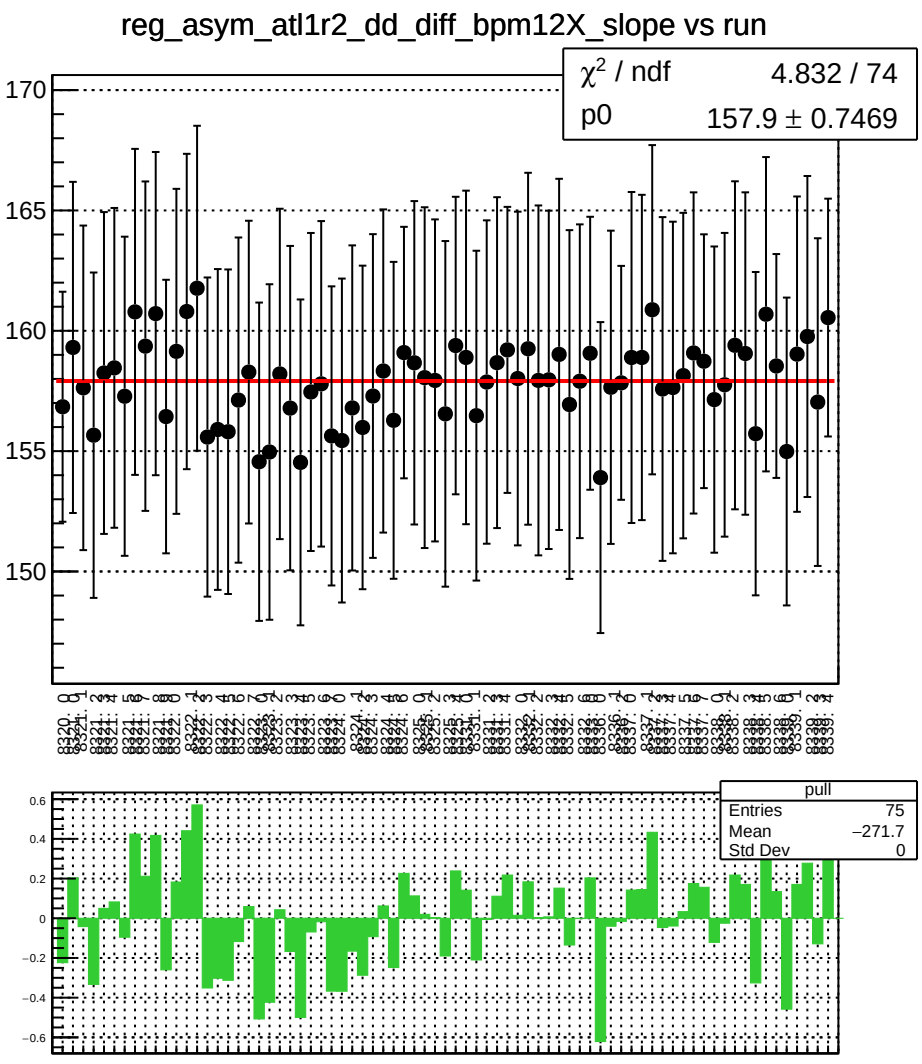

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.809 / 74
p0 −46.86 ± 12.86
pull
Entries 75
Mean −16.06
Std Dev 0

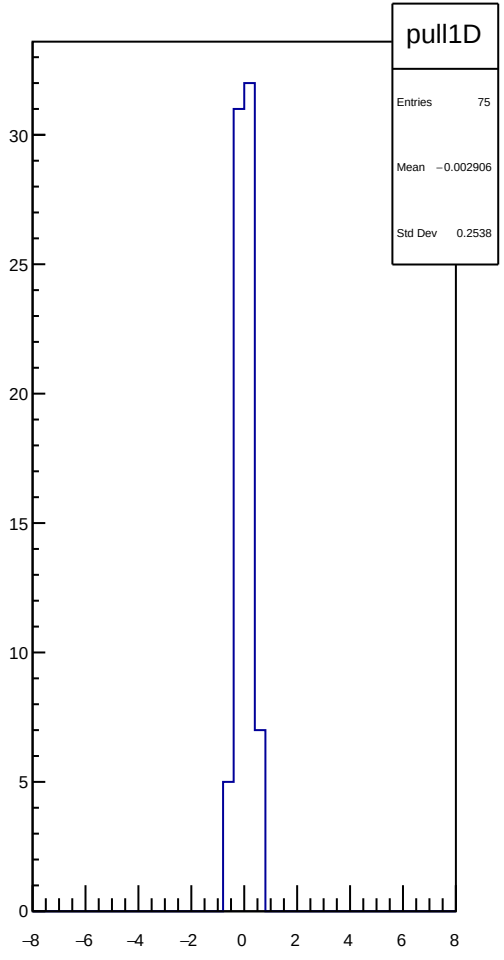

pull1D
Entries 75
Mean −0.004594
Std Dev 0.2532

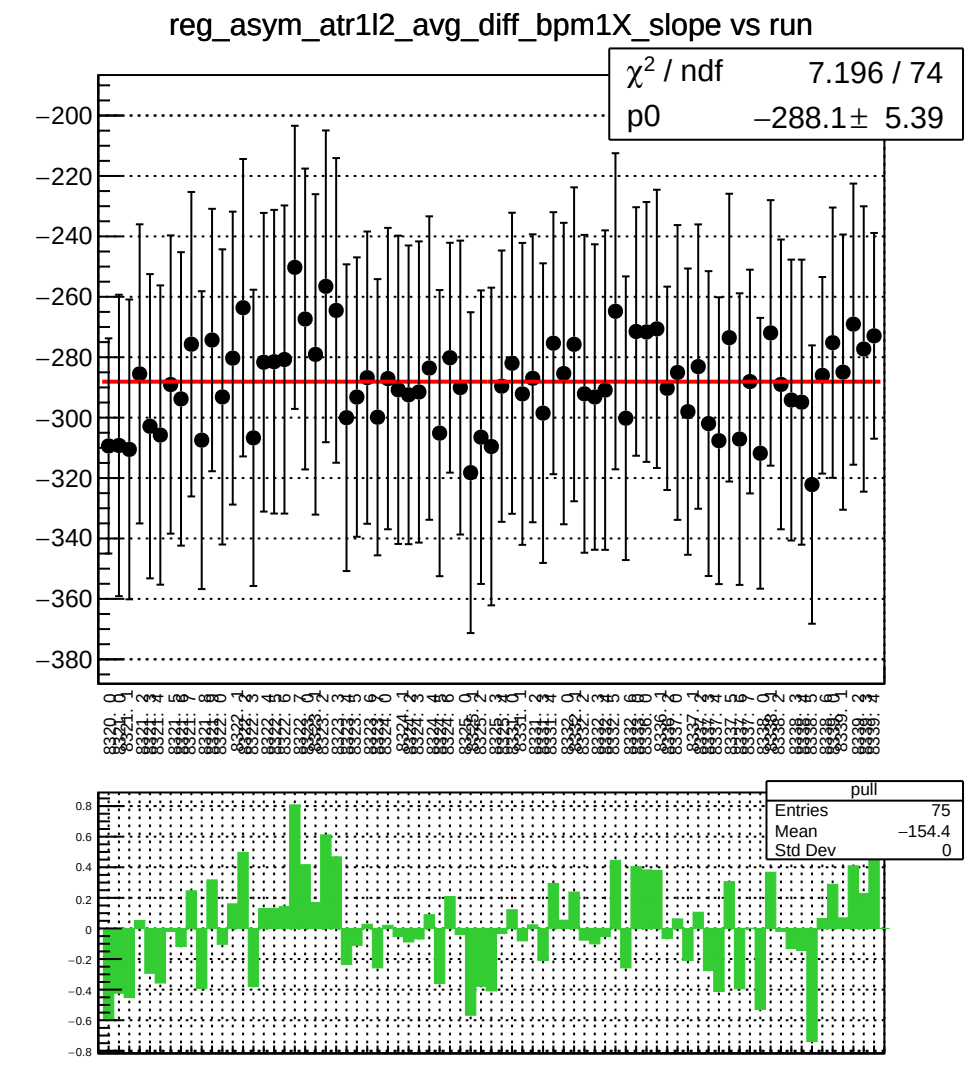

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.731 / 74
p0 −295.9 ± 7.671
−200
−250
−300
−350
−400
pull
Entries 75
Mean 8149
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

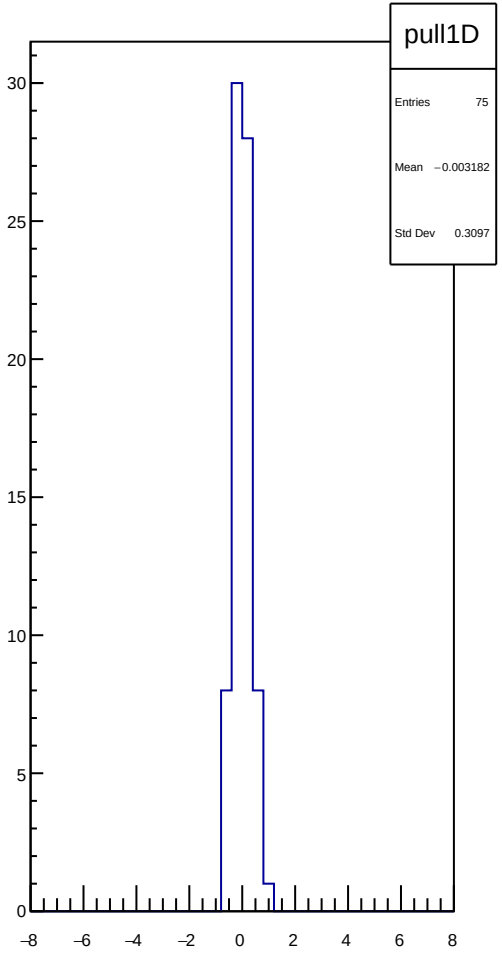

pull1D
Entries 75
Mean −4.475e−05
Std Dev 0.2764
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

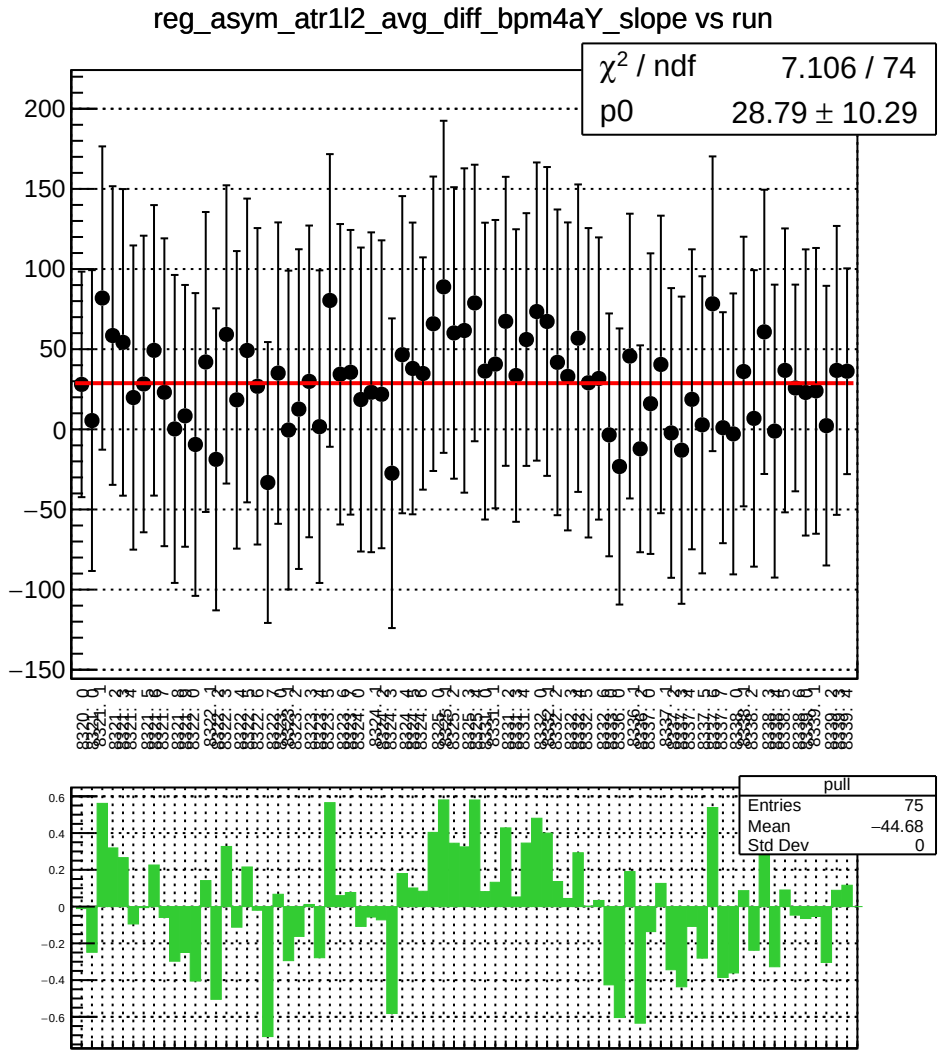

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.936 / 74
p0 −28.44 ± 13.37
pull
Entries 75
Mean 2.267
Std Dev 50.18
pull1D
Entries 75
Mean 0.004167
Std Dev 0.2565

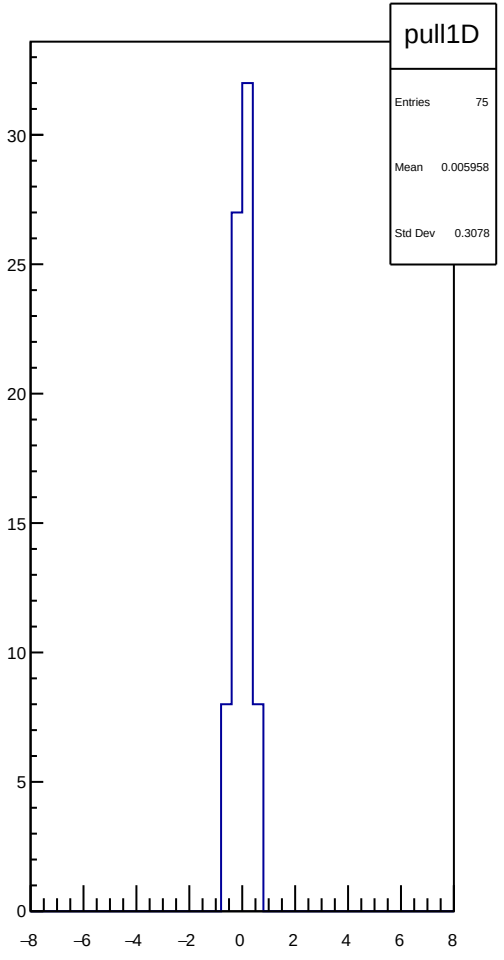

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 4.832 / 74
p0 157.9 ± 0.7469
pull
Entries 75
Mean −271.7
Std Dev 0

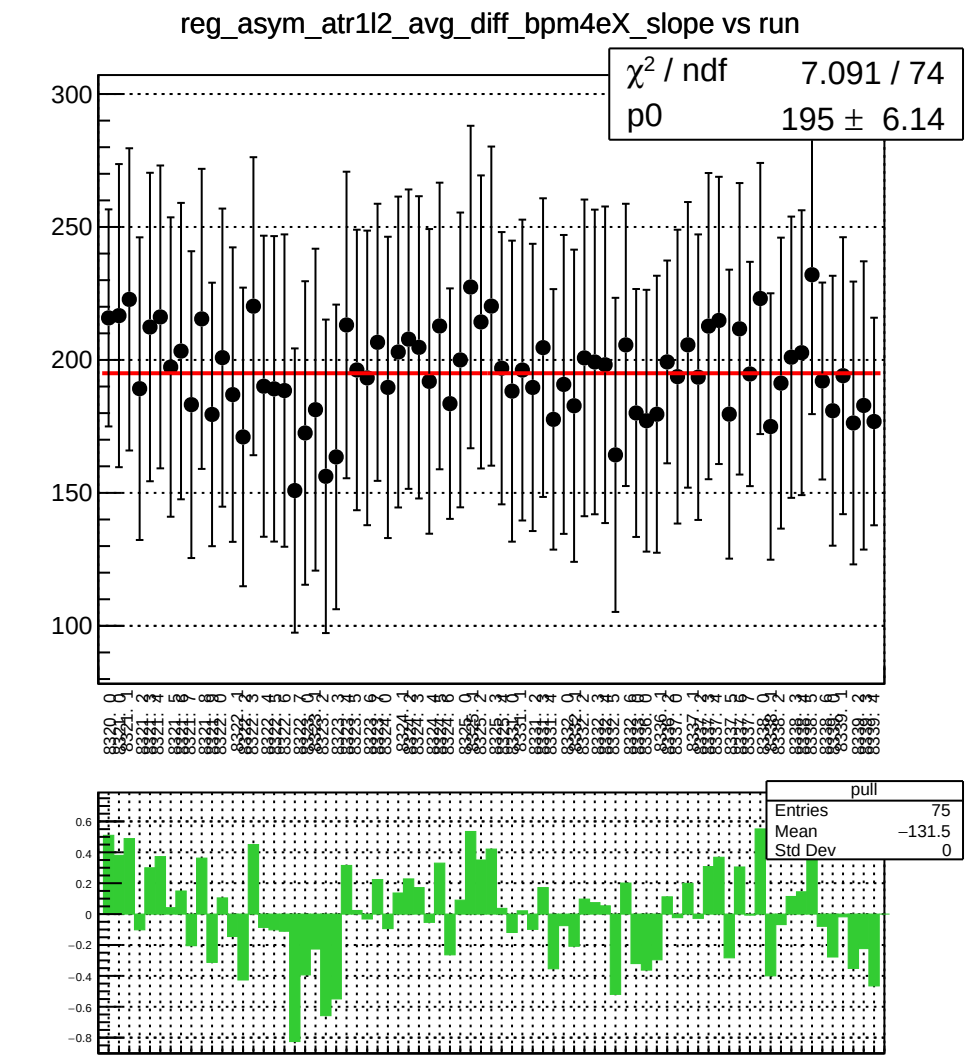

pull1D
Entries 75
Mean −0.002906
Std Dev 0.2538

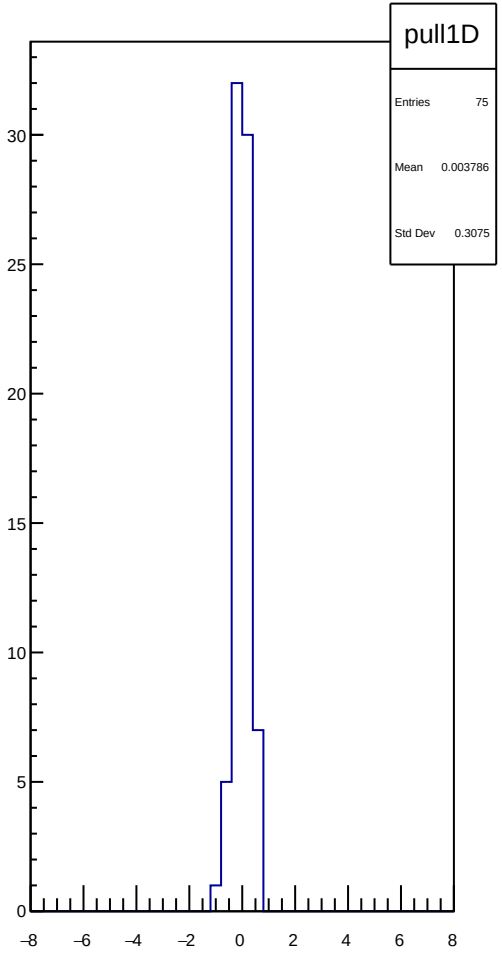

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.196 / 74
p0 −288.1± 5.39
pull
Entries 75
Mean −154.4
Std Dev 0

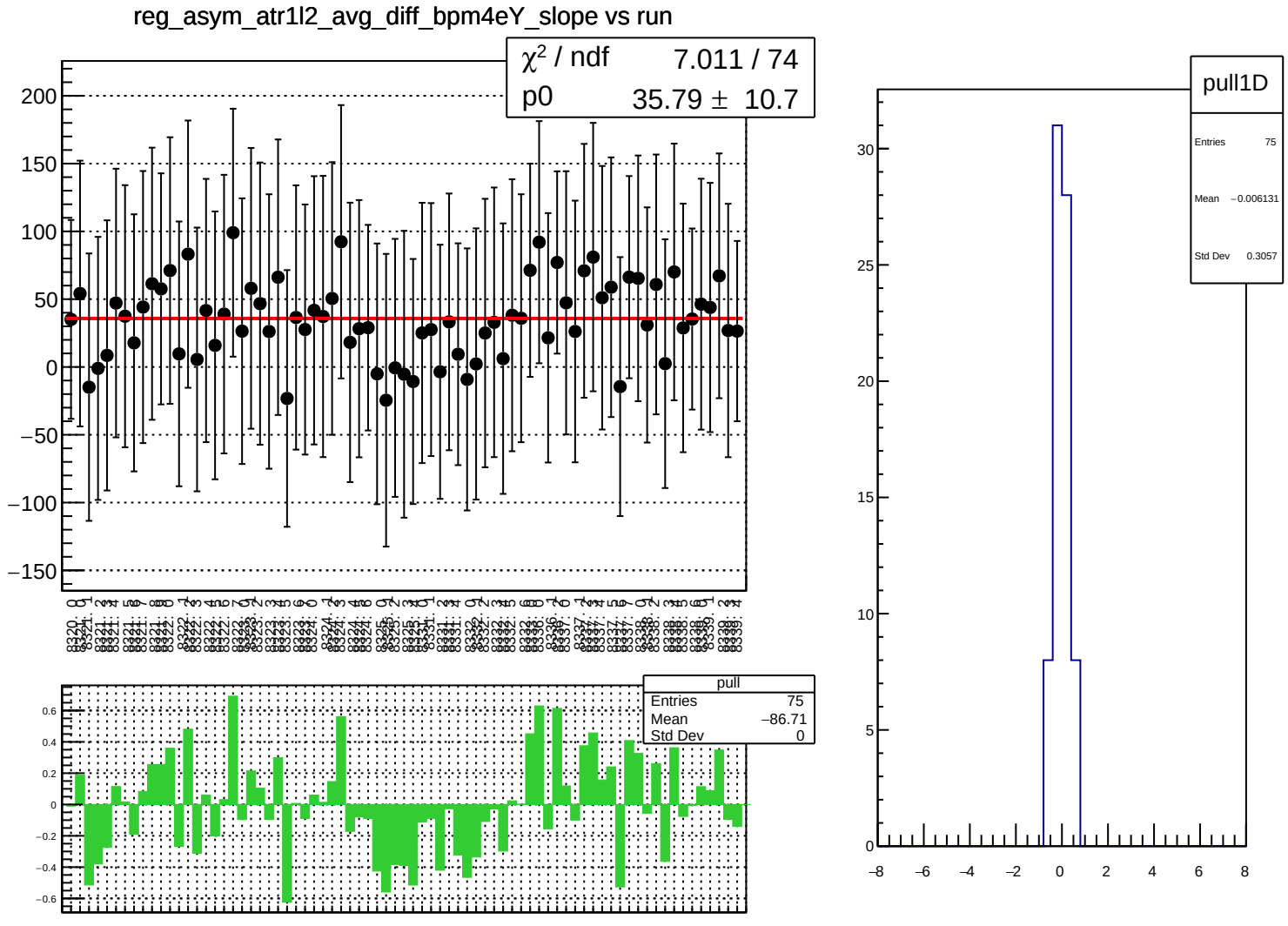

pull1D
Entries 75
Mean −0.003182
Std Dev 0.3097

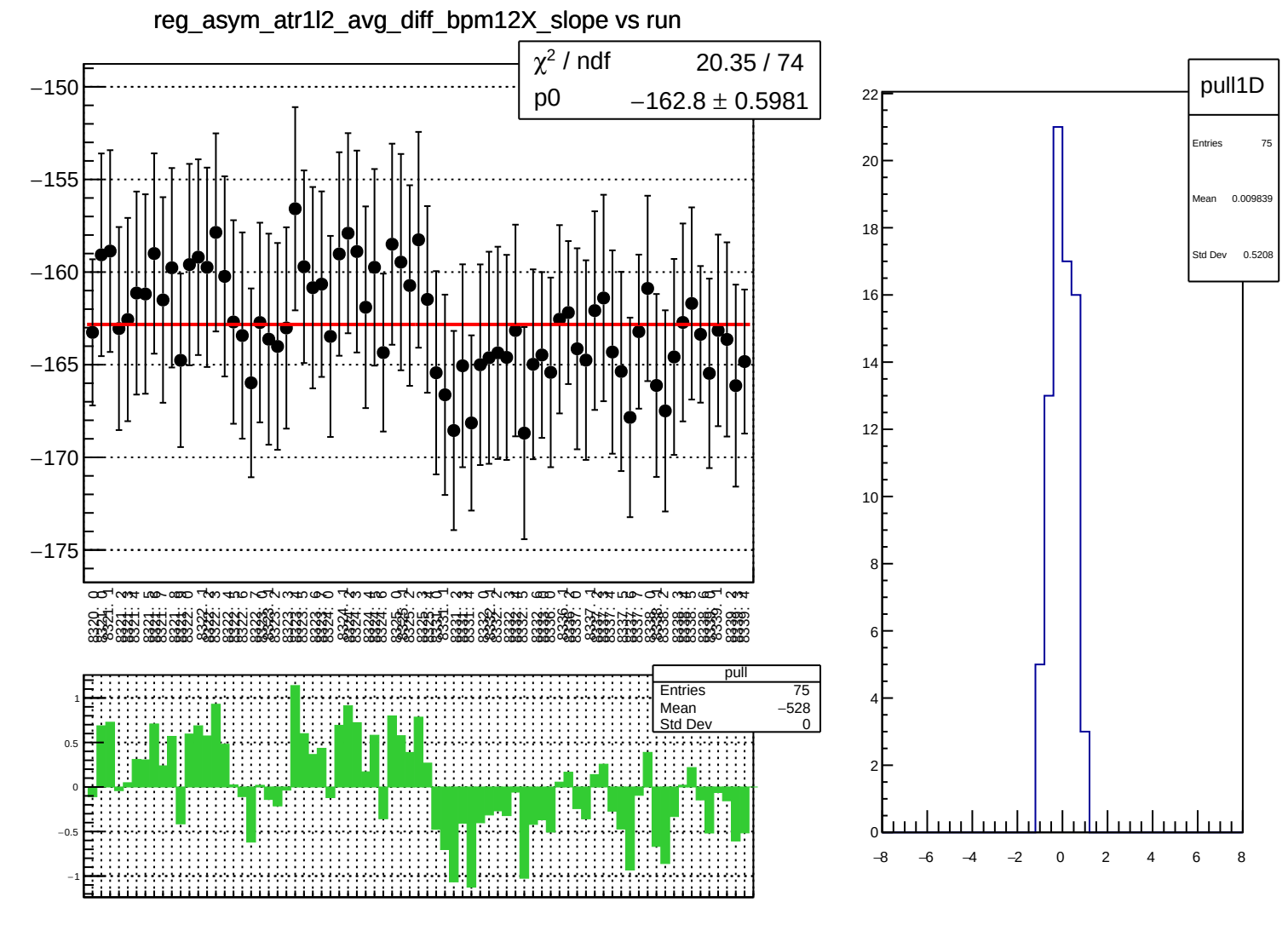

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.106 / 74
p0 28.79 ± 10.29
pull
Entries 75
Mean −44.68
Std Dev 0

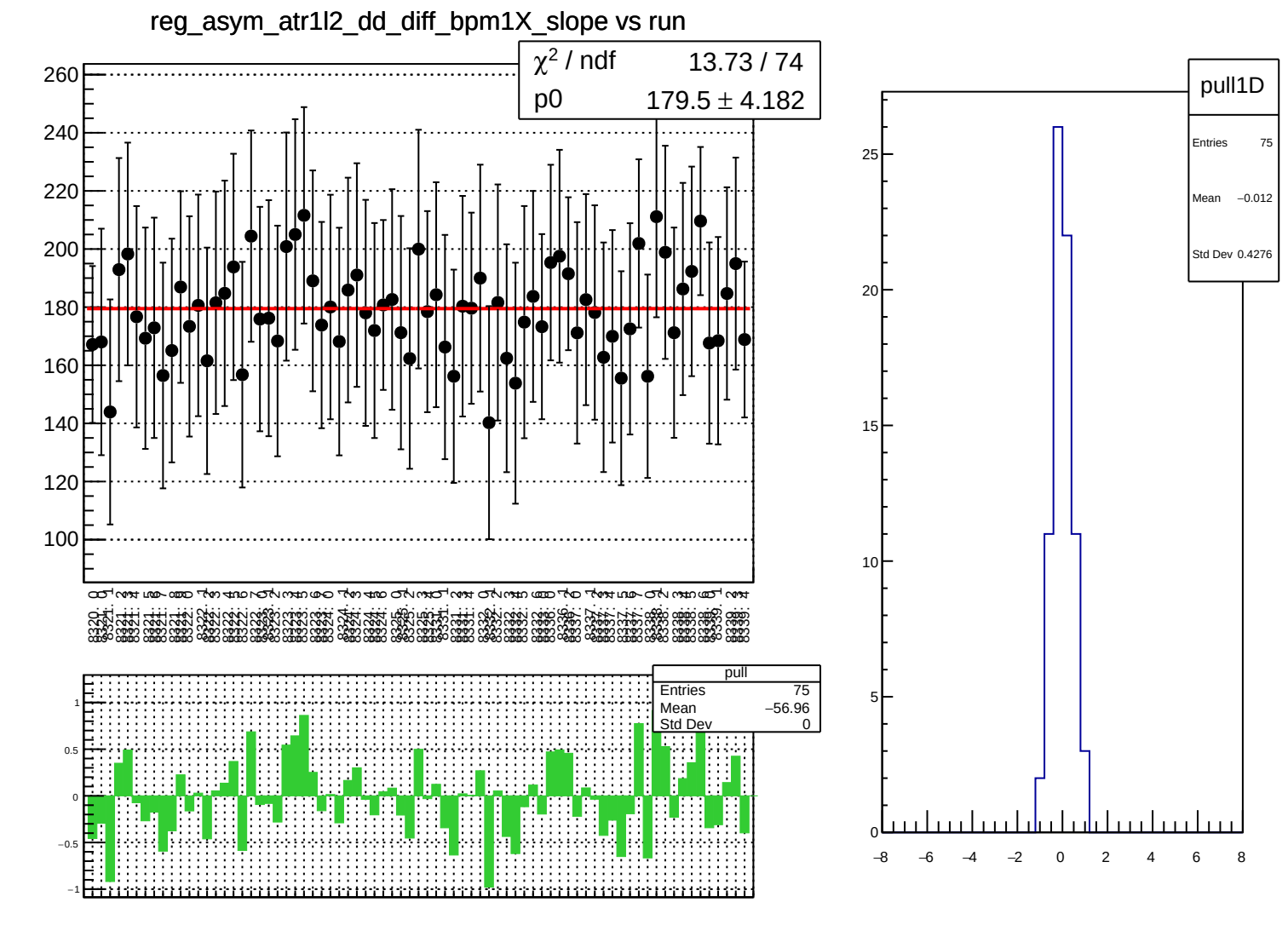

pull1D
Entries 75
Mean 0.005958
Std Dev 0.3078

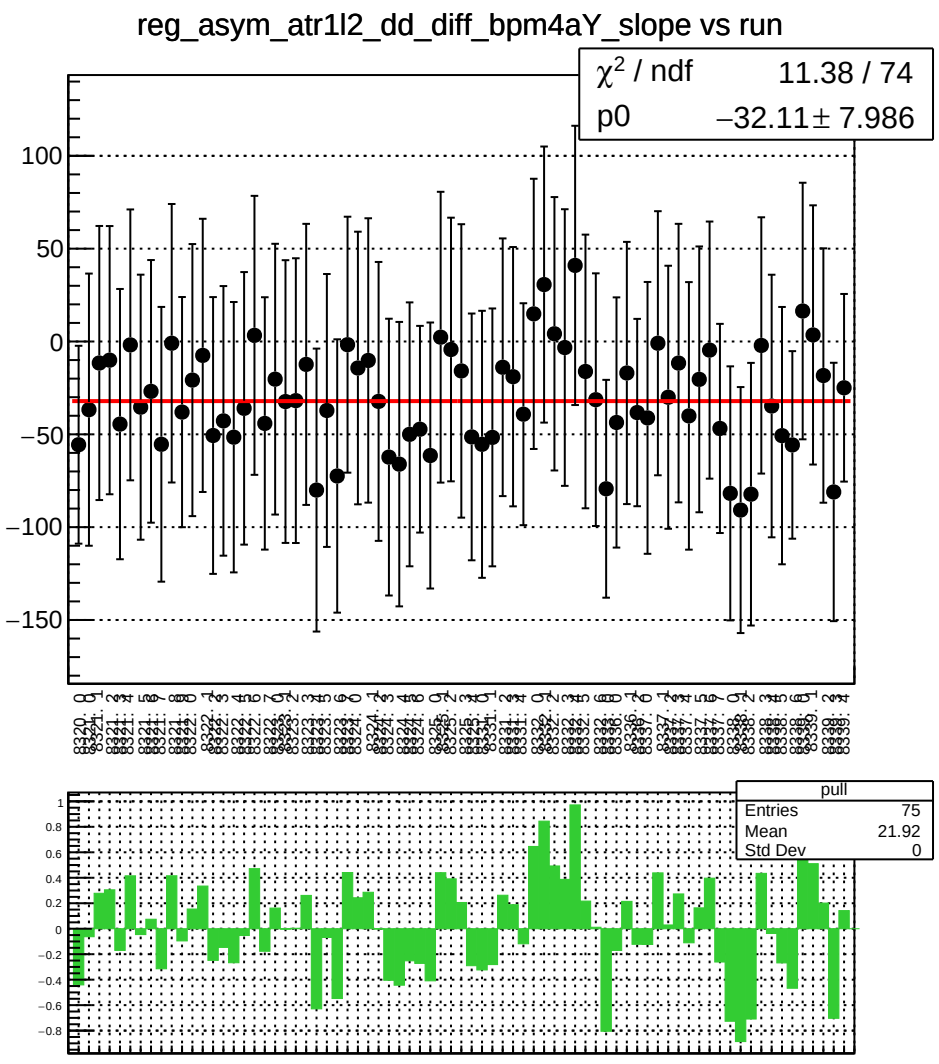

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.091 / 74
p0 195 ± 6.14
pull
Entries 75
Mean −131.5
Std Dev 0

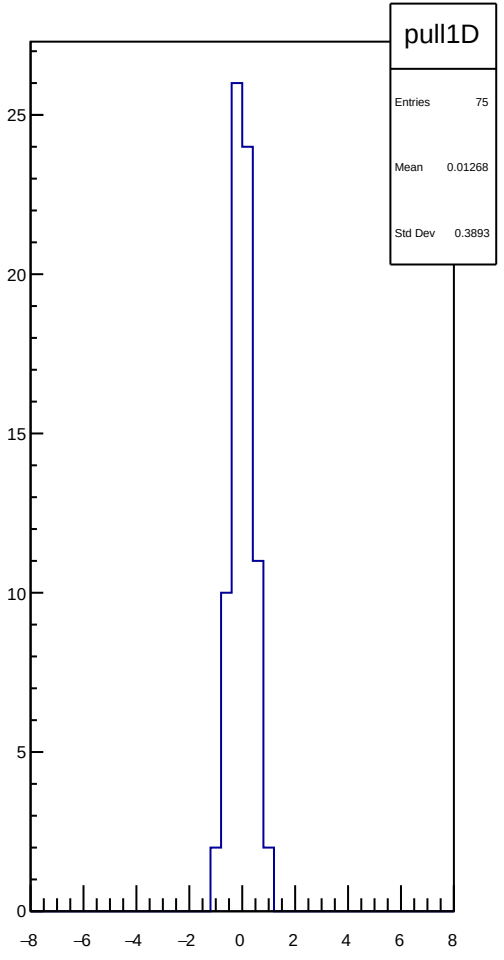

pull1D
Entries 75
Mean 0.003786
Std Dev 0.3075

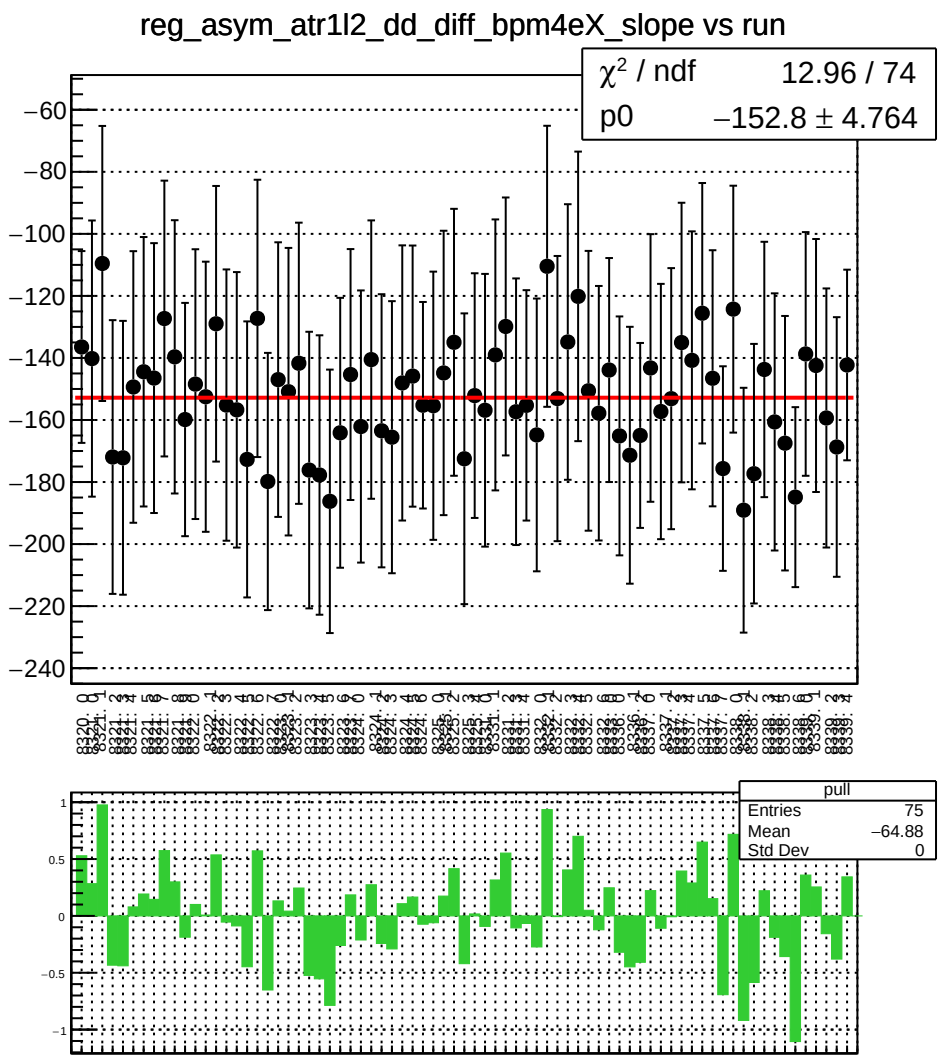

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.011 / 74
p0 35.79 ± 10.7
pull
Entries 75
Mean −86.71
Std Dev 0
pull1D
Entries 75
Mean −0.006131
Std Dev 0.3057

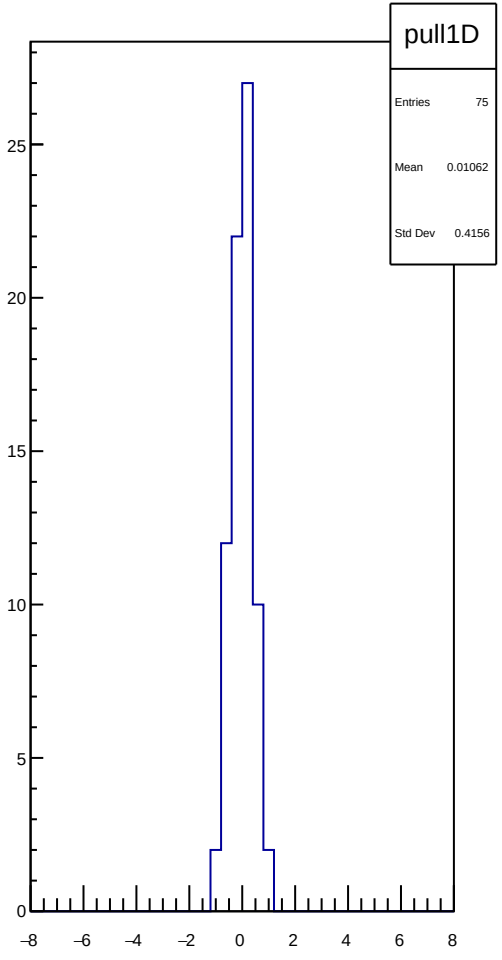

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 20.35 / 74
p0 −162.8 ± 0.5981
pull
Entries 75
Mean −528
Std Dev 0
pull1D
Entries 75
Mean 0.009839
Std Dev 0.5208

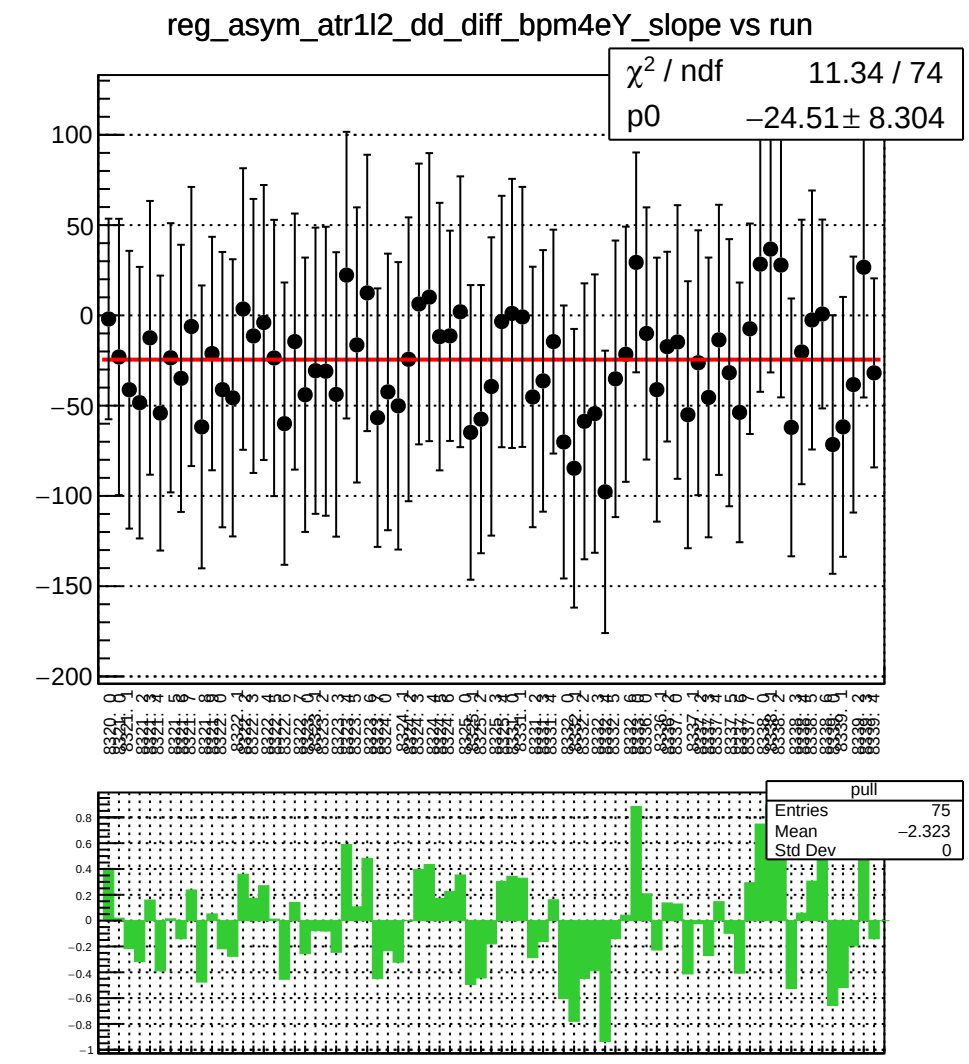

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 13.73 / 74
p0 179.5 ± 4.182
pull
Entries 75
Mean −56.96
Std Dev 0
pull1D
Entries 75
Mean −0.012
Std Dev 0.4276

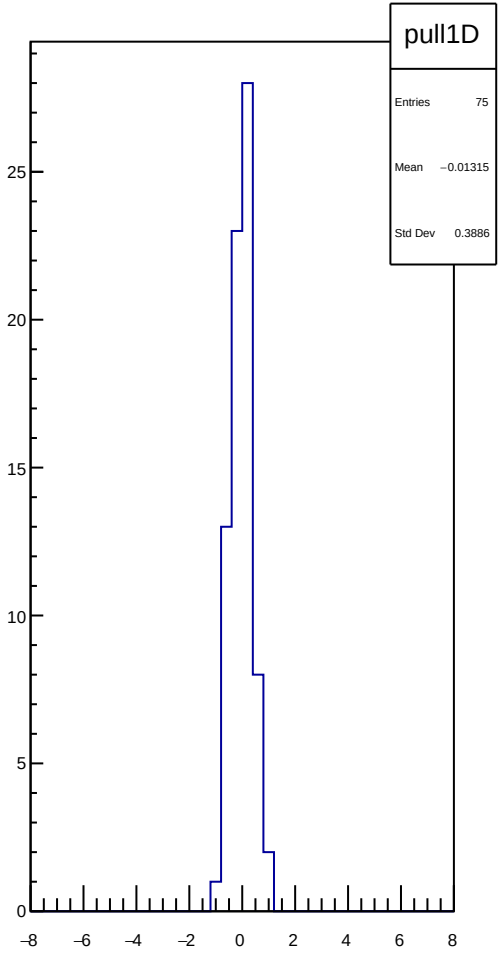

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.38 / 74
p0 −32.11± 7.986
pull
Entries 75
Mean 21.92
Std Dev 0

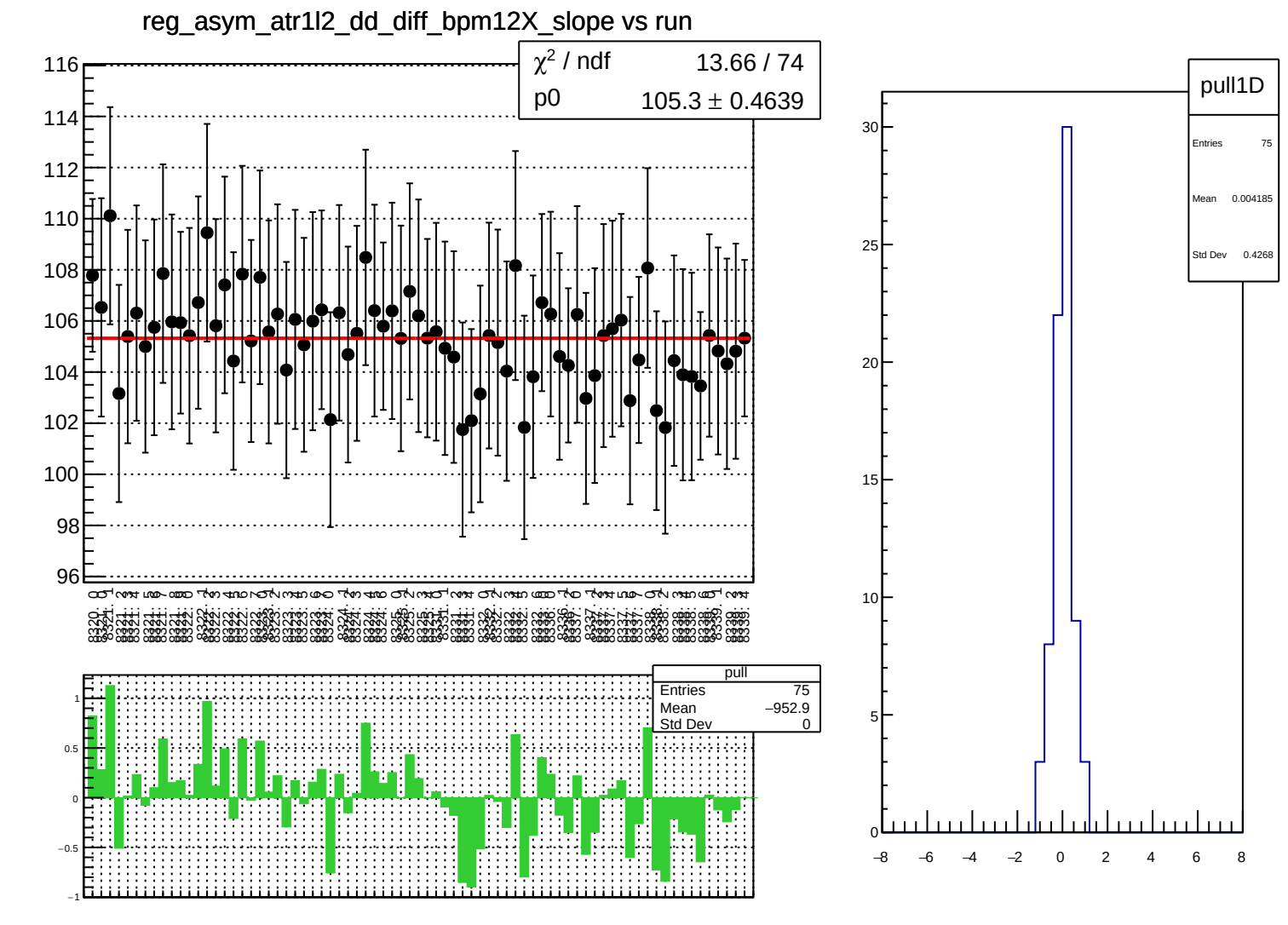

pull1D
Entries 75
Mean 0.01268
Std Dev 0.3893

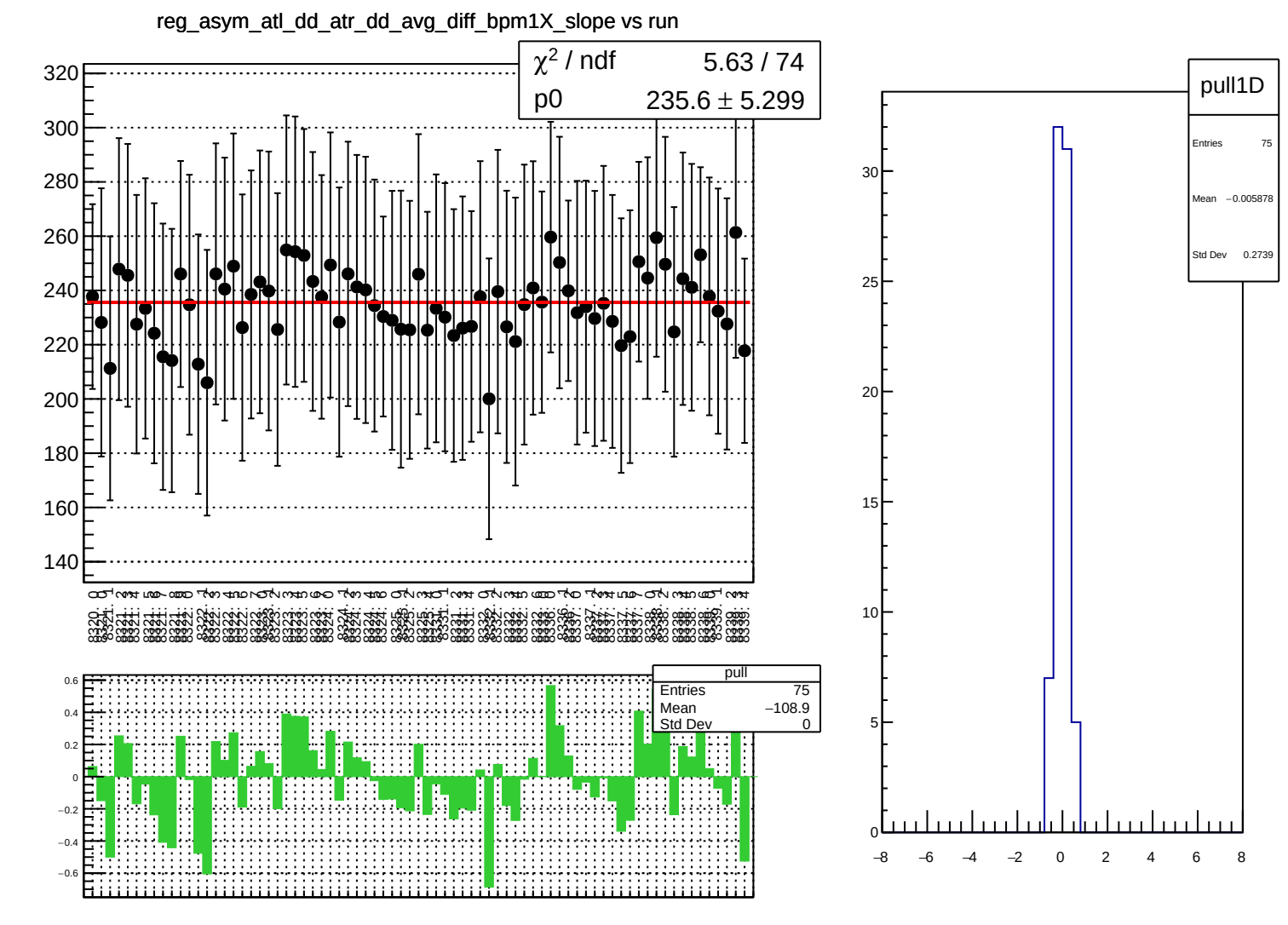

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.96 / 74
p0 −152.8 ± 4.764
pull
Entries 75
Mean −64.88
Std Dev 0

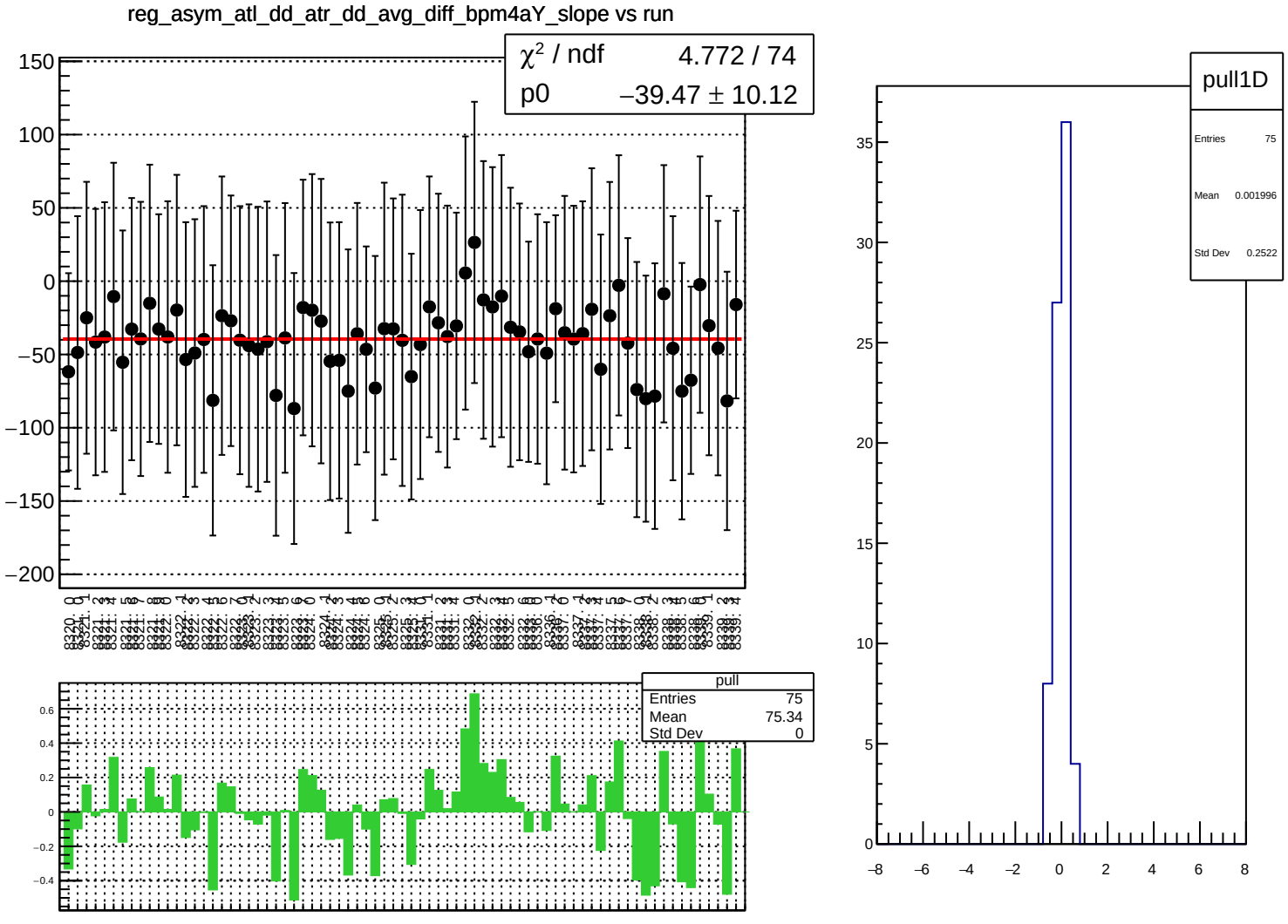

pull1D
Entries 75
Mean 0.01062
Std Dev 0.4156

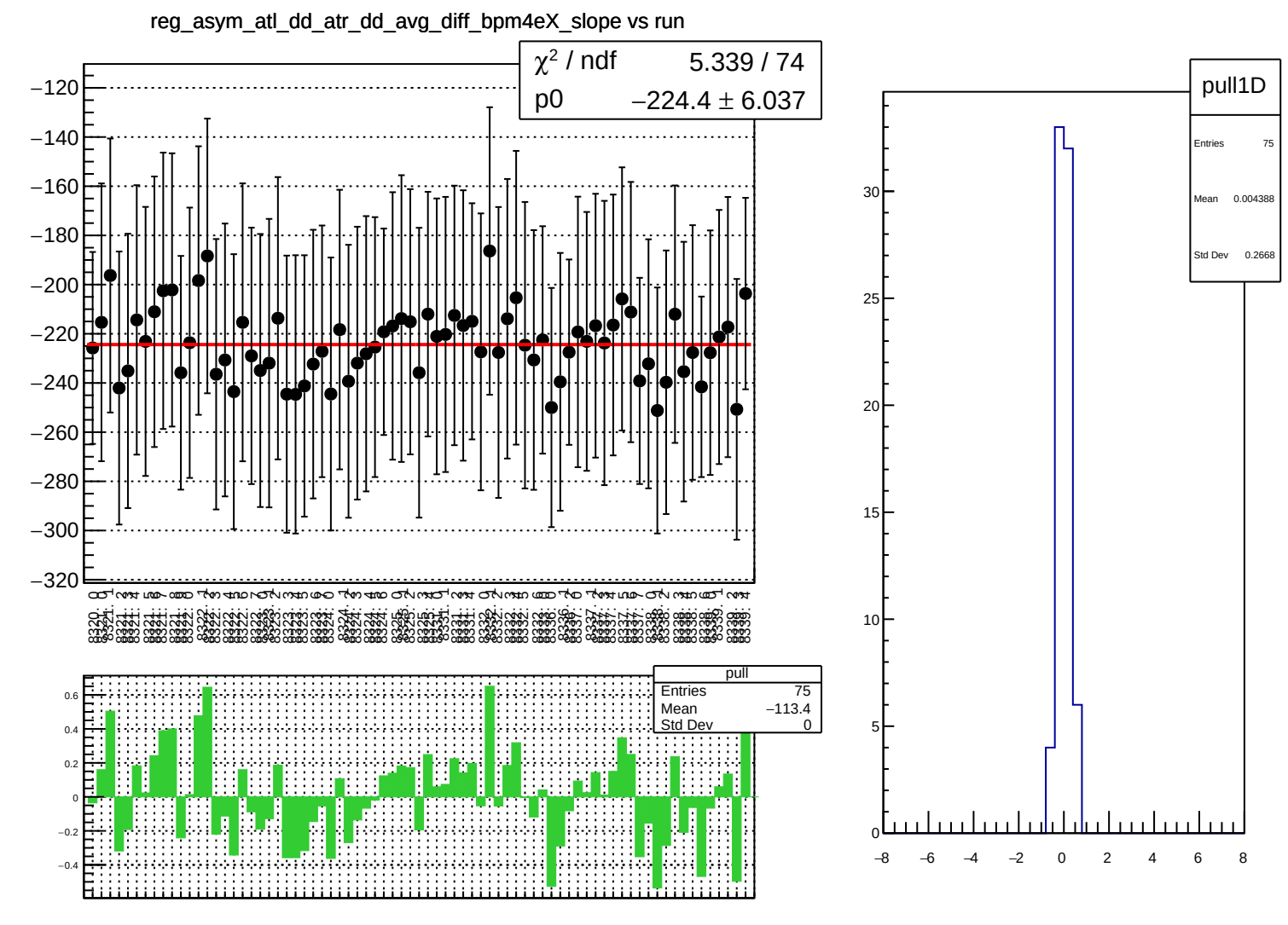

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.34 / 74
p0 −24.51 ± 8.304
pull
Entries 75
Mean −2.323
Std Dev 0

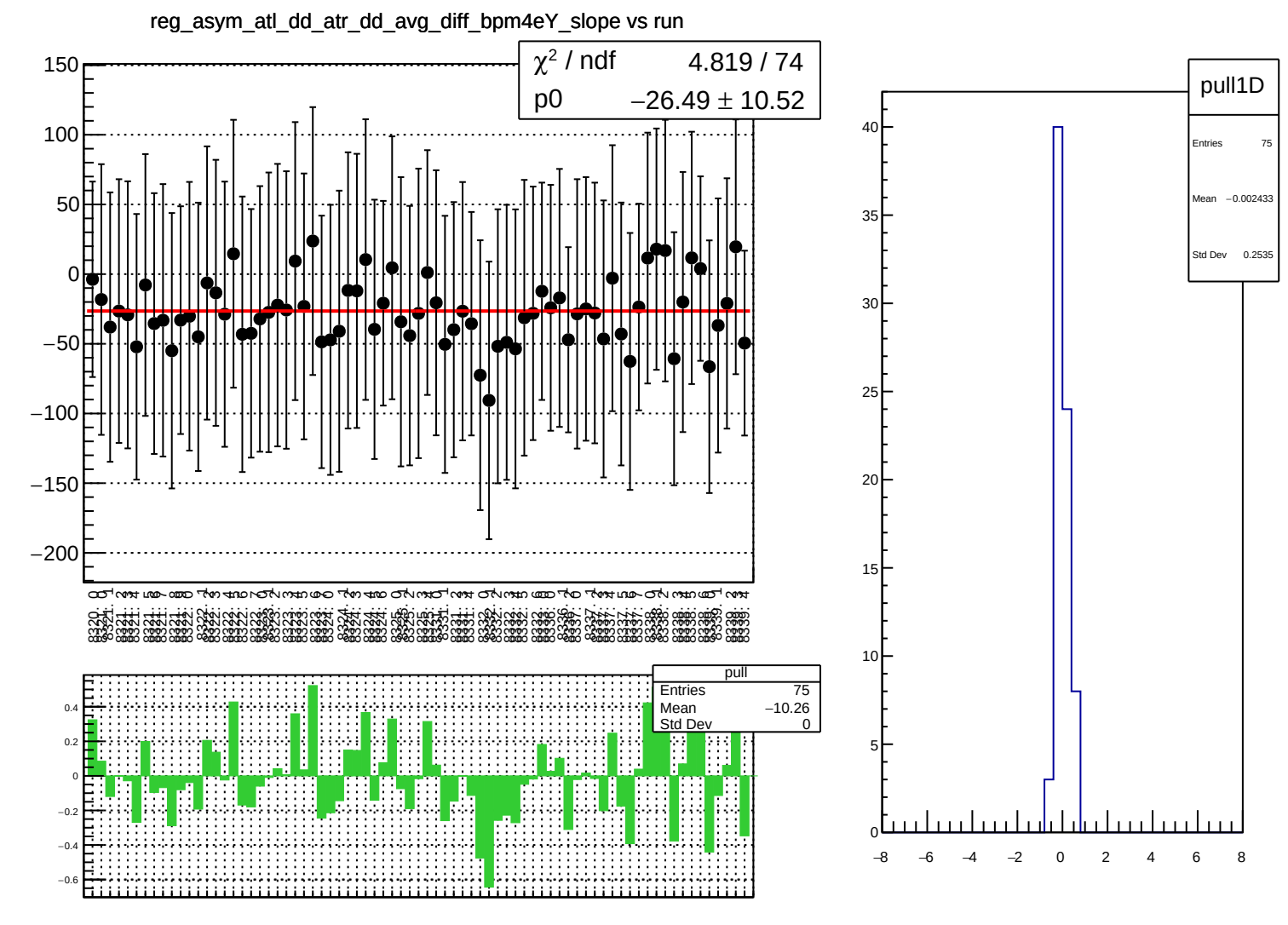

pull1D
Entries 75
Mean −0.01315
Std Dev 0.3886

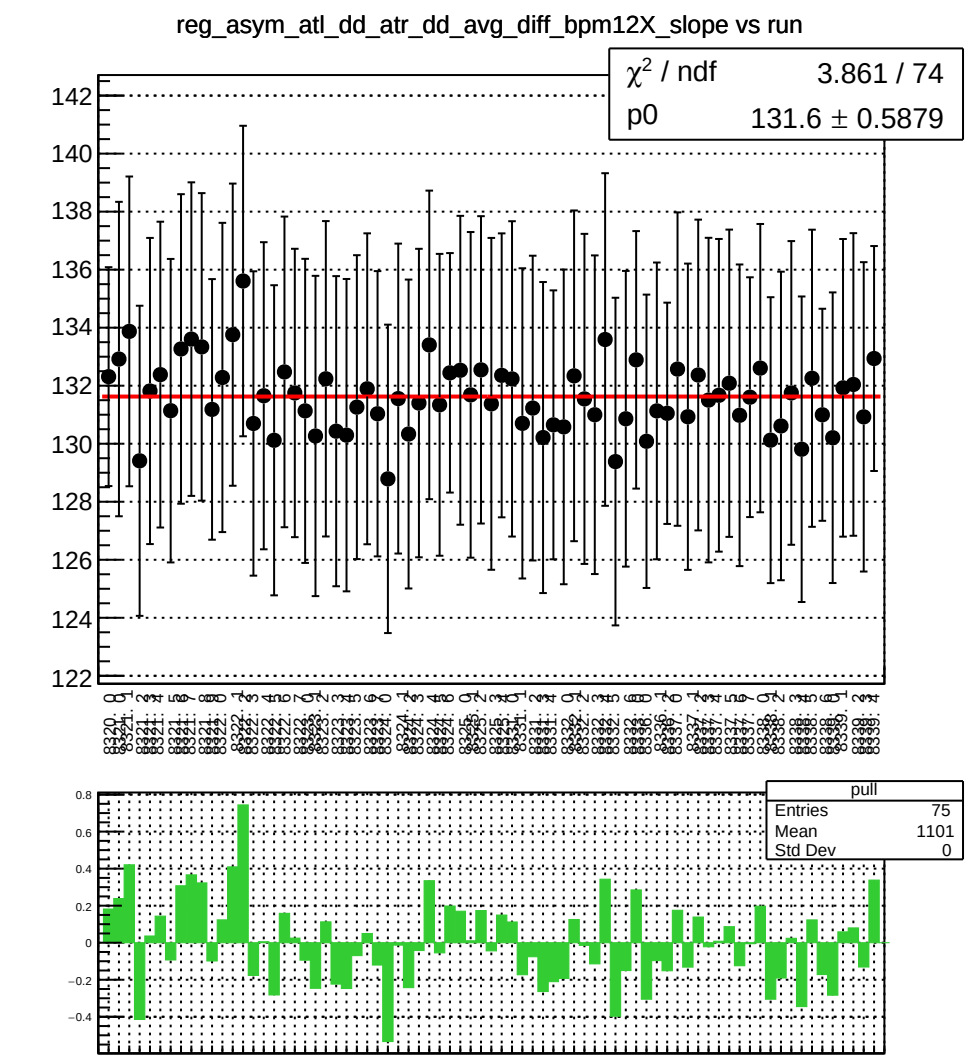

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.66 / 74
p0 105.3 ± 0.4639
pull
Entries 75
Mean −952.9
Std Dev 0
pull1D
Entries 75
Mean 0.004185
Std Dev 0.4268

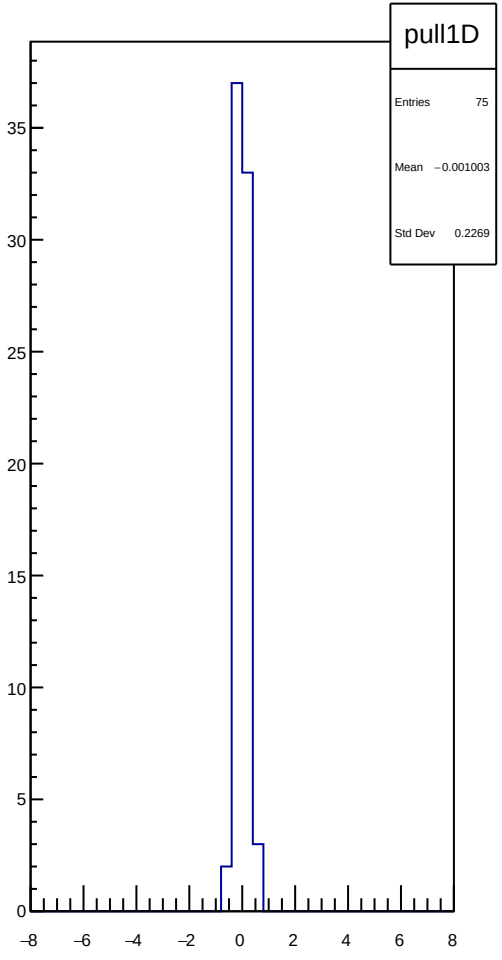

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 5.63 / 74
p0 235.6 ± 5.299
pull
Entries 75
Mean −108.9
Std Dev 0
pull1D
Entries 75
Mean −0.005878
Std Dev 0.2739

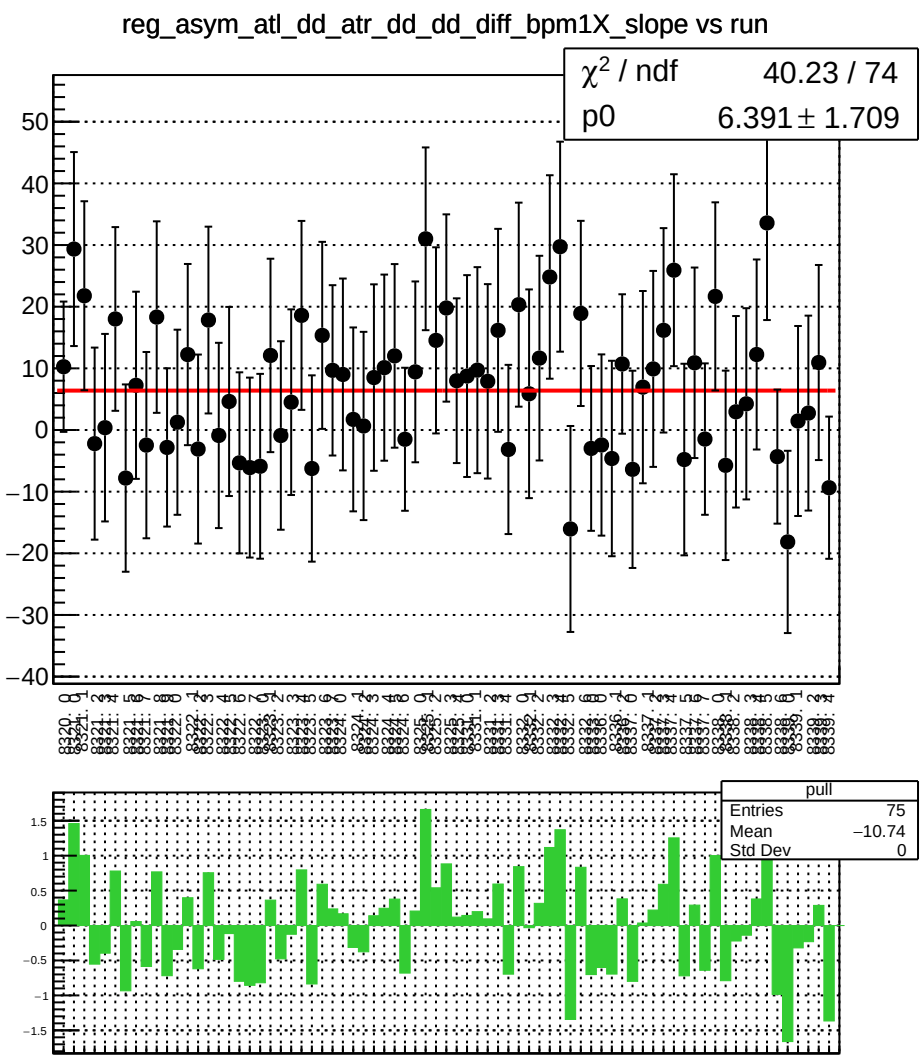

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.772 / 74
p0 −39.47 ± 10.12
pull
Entries 75
Mean 75.34
Std Dev 0
pull1D
Entries 75
Mean 0.001996
Std Dev 0.2522

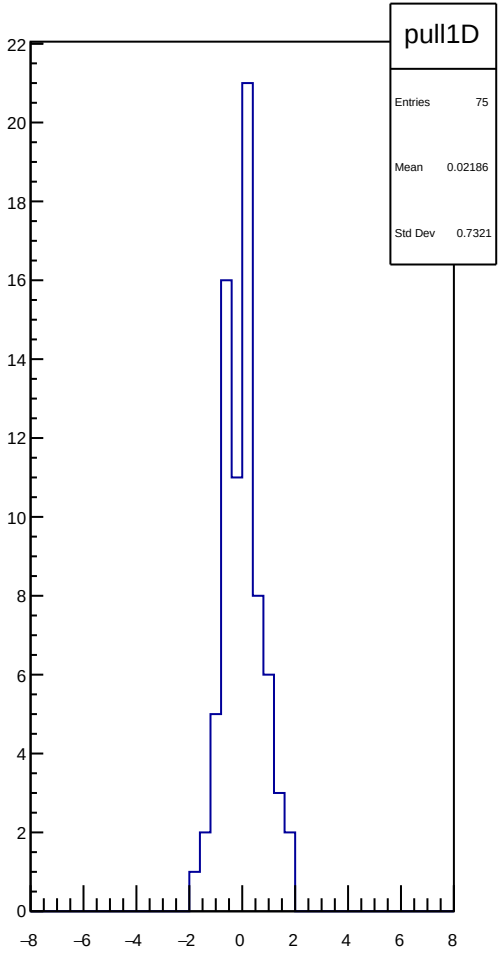

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.339 / 74
p0 −224.4 ± 6.037
pull
Entries 75
Mean −113.4
Std Dev 0
pull1D
Entries 75
Mean 0.004388
Std Dev 0.2668

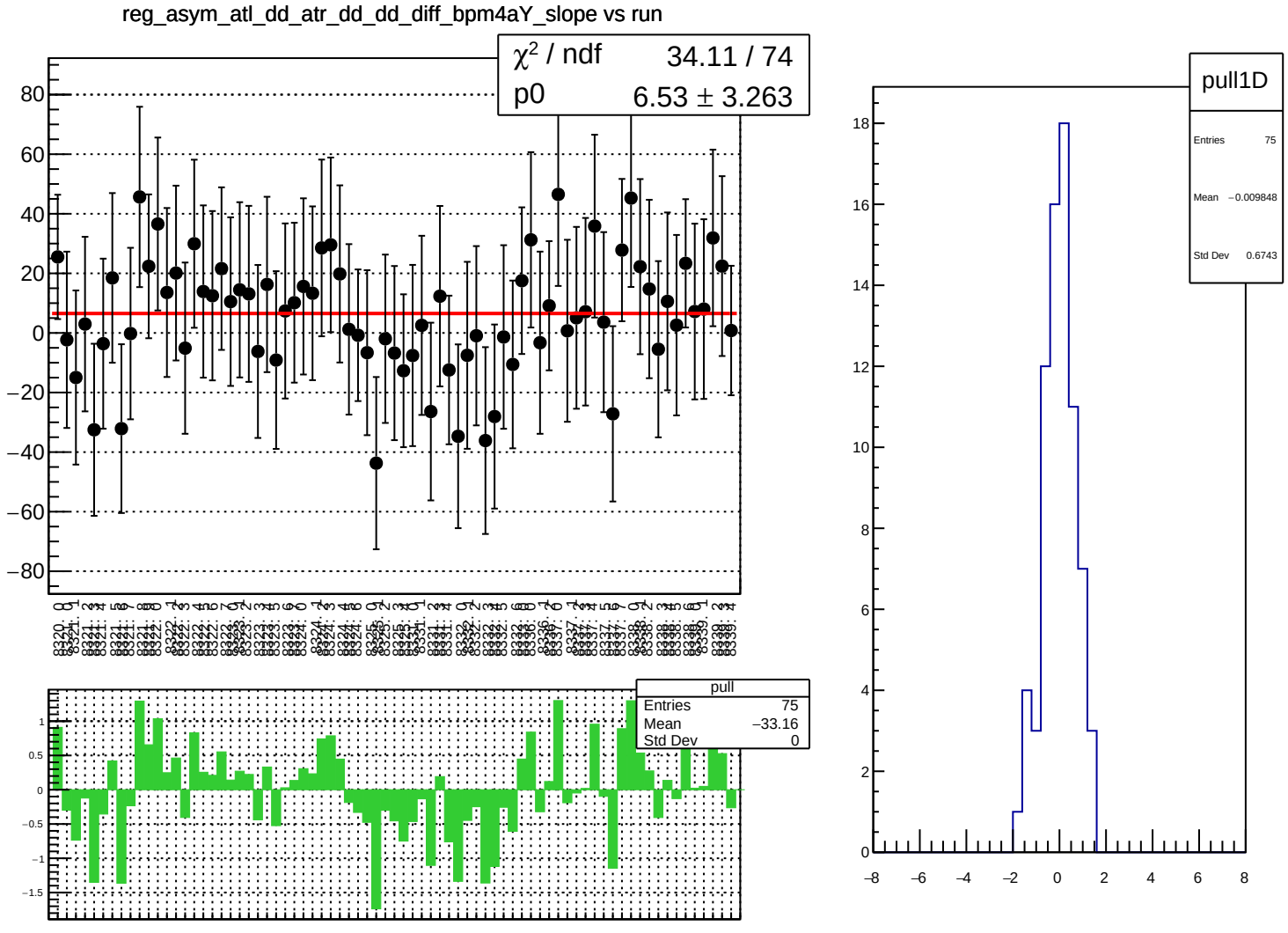

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.819 / 74
p0 −26.49 ± 10.52
pull
Entries 75
Mean −10.26
Std Dev 0
pull1D
Entries 75
Mean −0.002433
Std Dev 0.2535

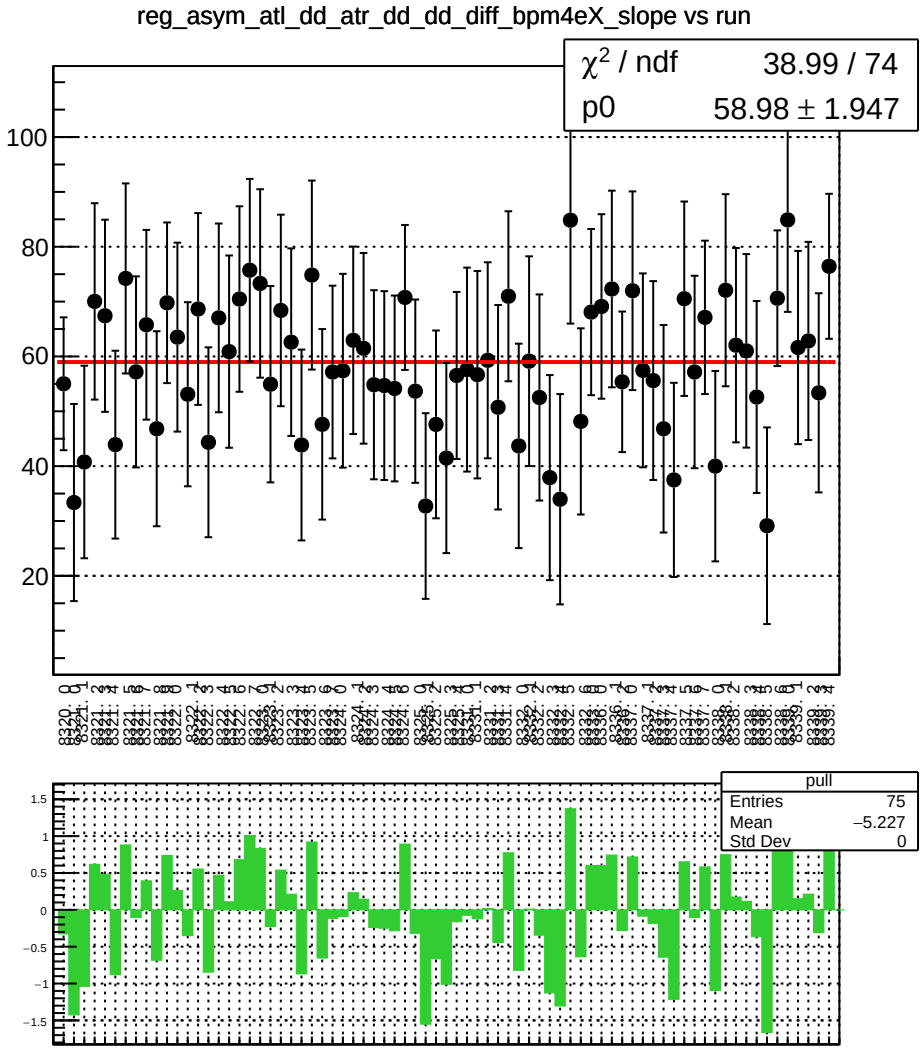

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 3.861 / 74
p0 131.6 ± 0.5879
pull
Entries 75
Mean 1101
Std Dev 0

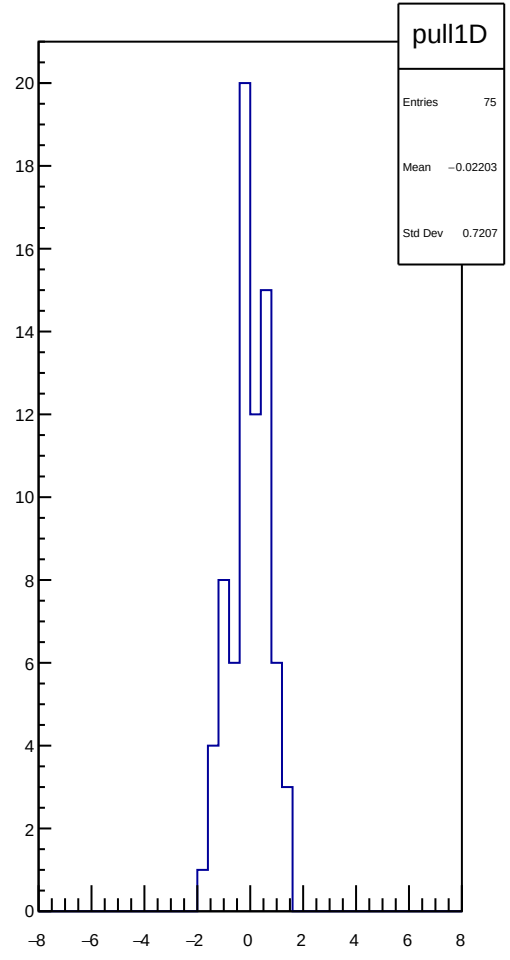

pull1D
Entries 75
Mean −0.001003
Std Dev 0.2269

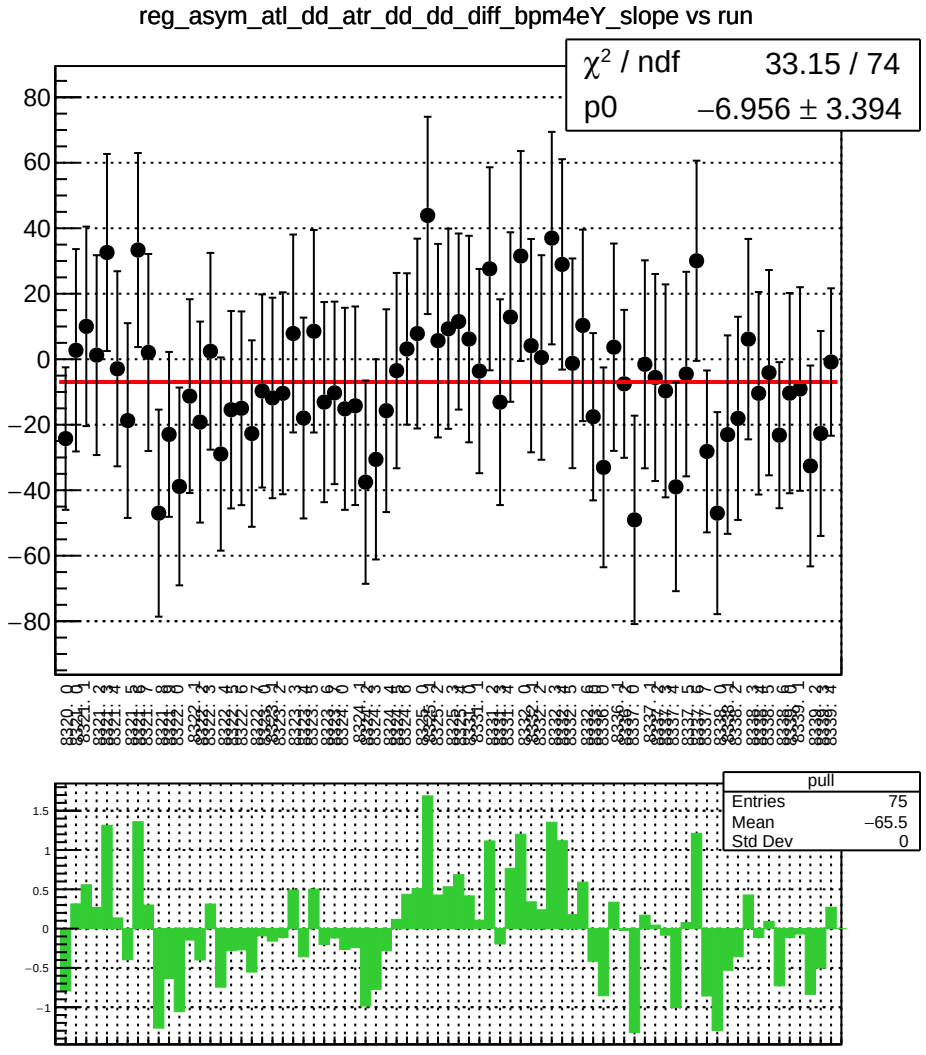

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 40.23 / 74
p0 6.391 ± 1.709
pull
Entries 75
Mean −10.74
Std Dev 0

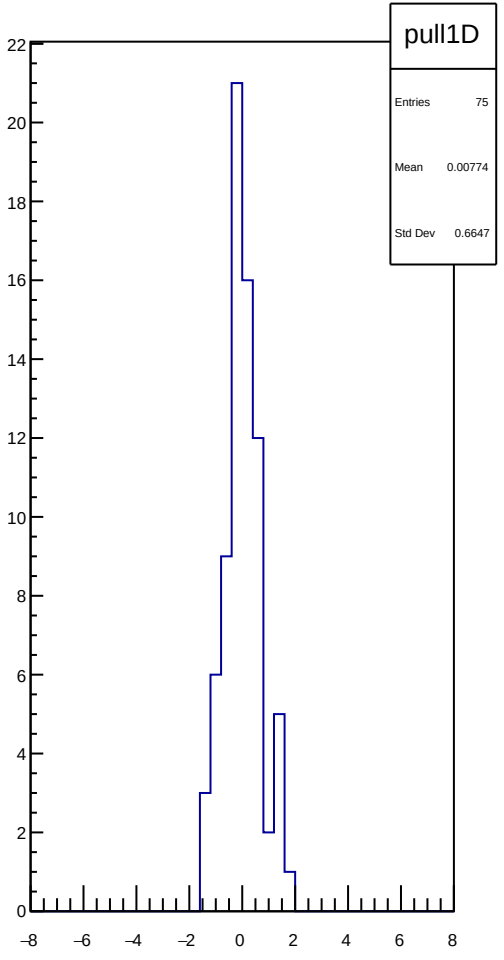

pull1D
Entries 75
Mean 0.02186
Std Dev 0.7321

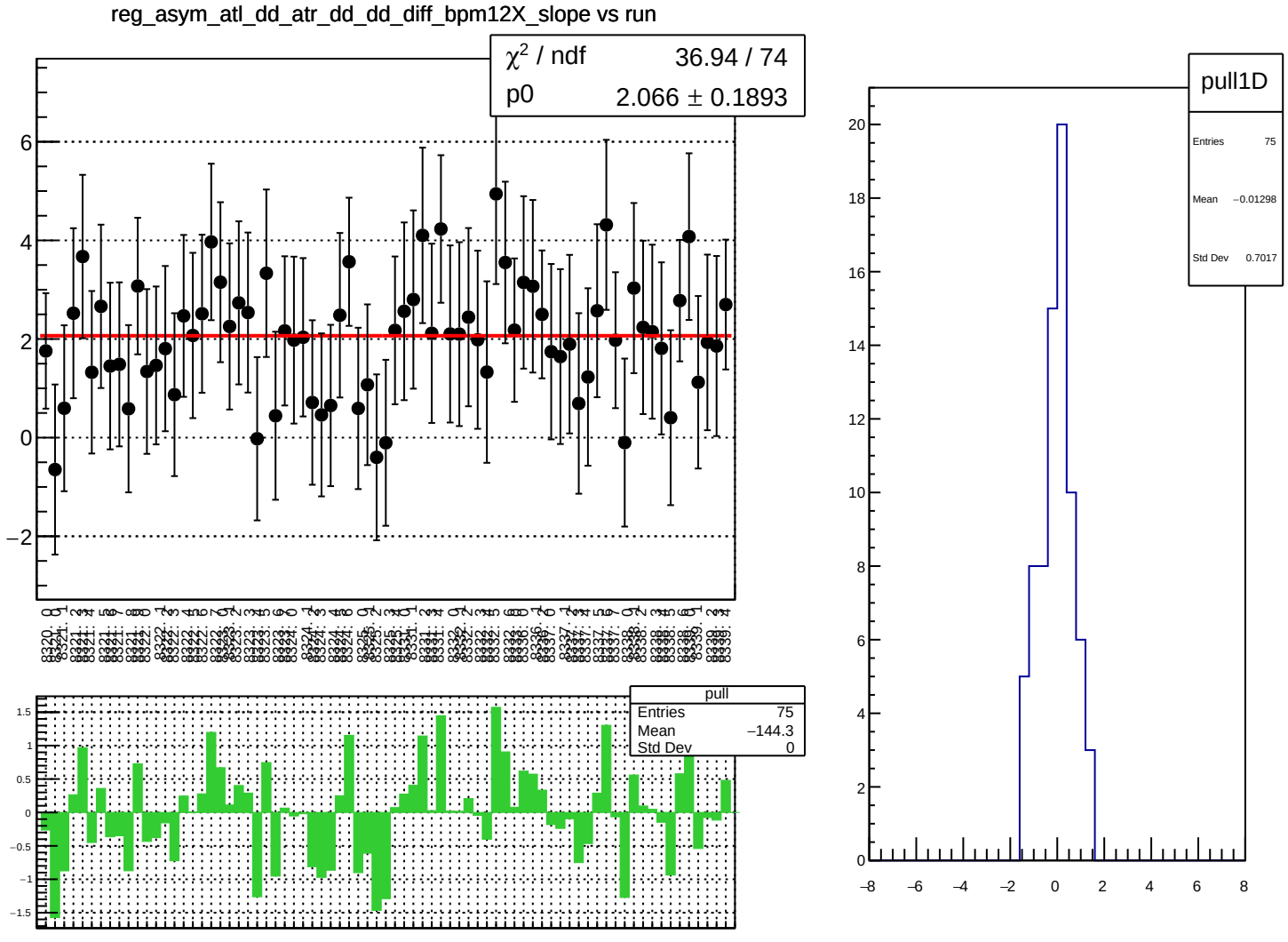

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.11 / 74
p0 6.53 ± 3.263
pull
Entries 75
Mean −33.16
Std Dev 0
pull1D
Entries 75
Mean −0.009848
Std Dev 0.6743

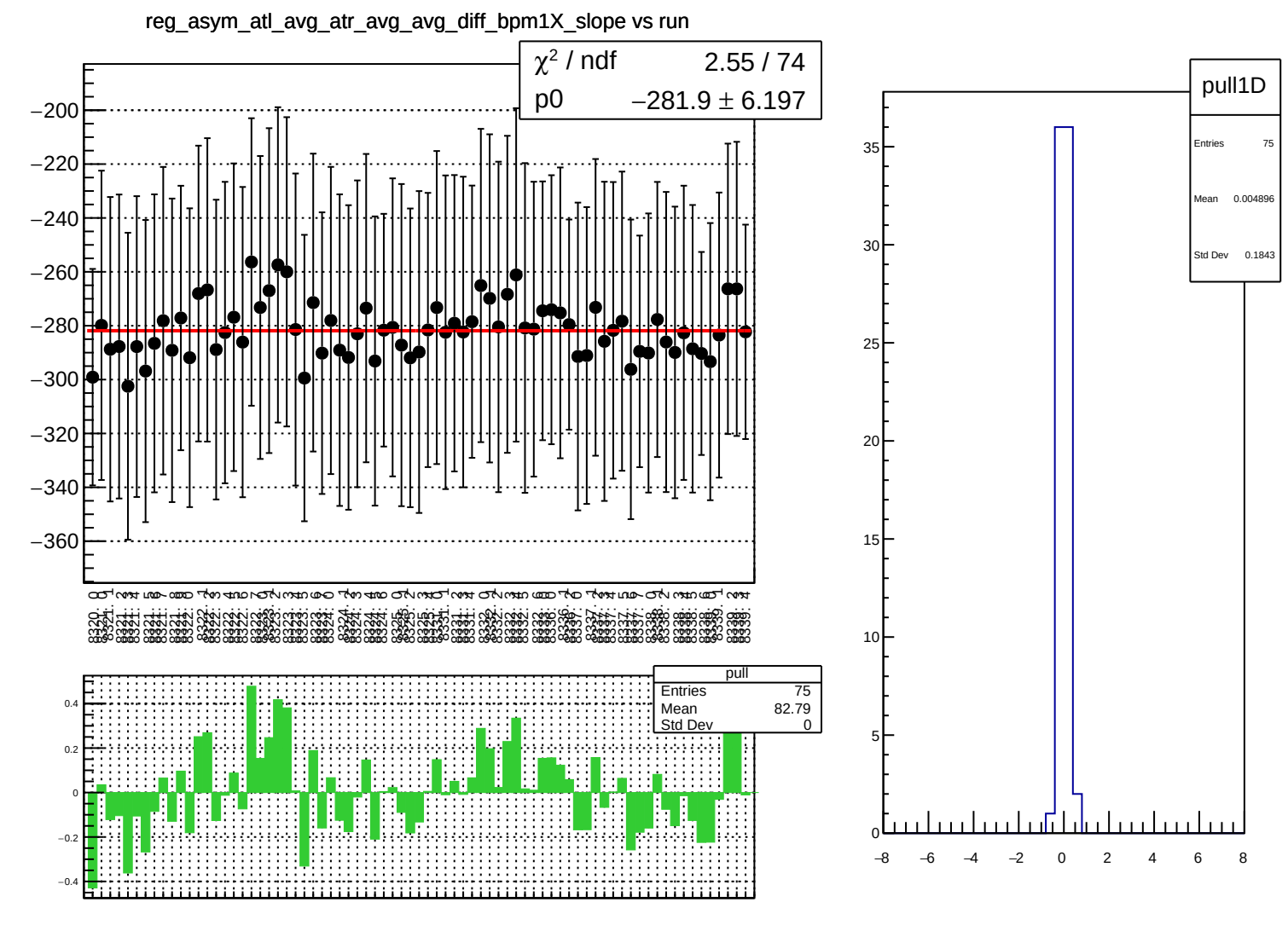

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.99 / 74
p0 58.98 ± 1.947
pull
Entries 75
Mean −5.227
Std Dev 0

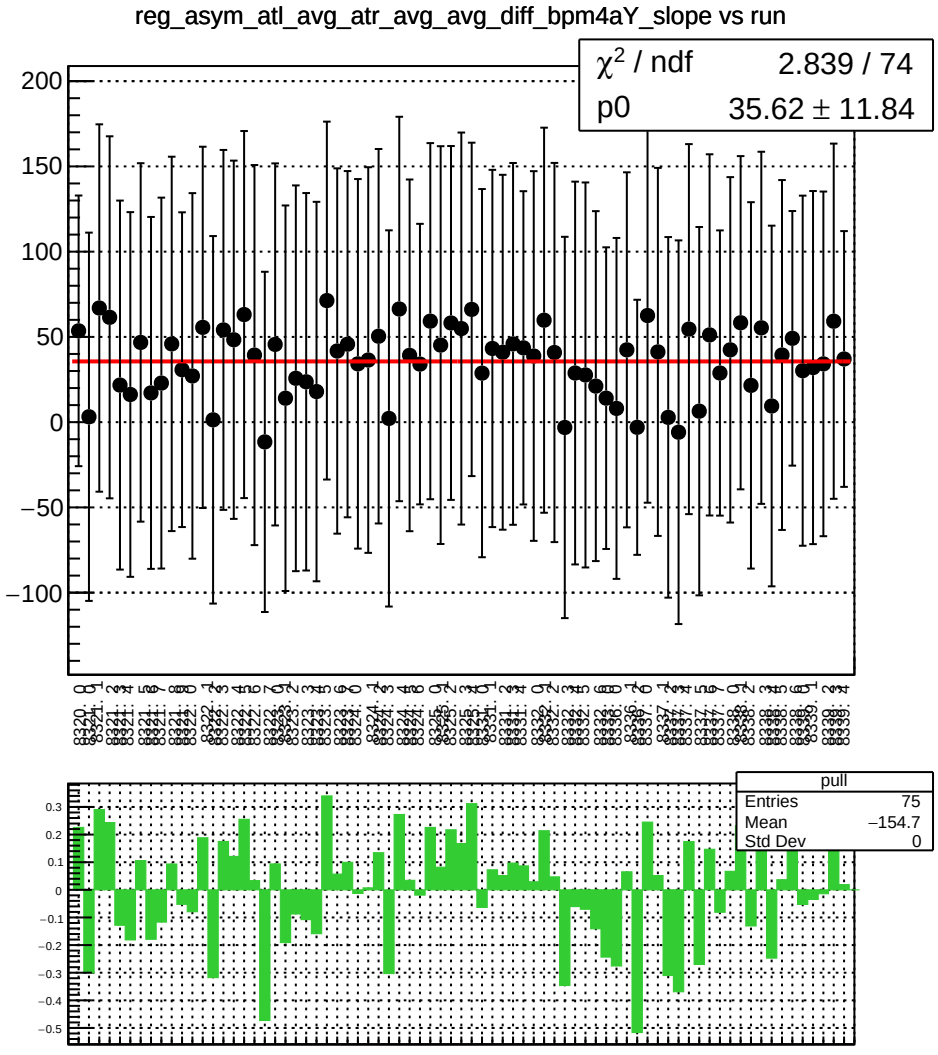

pull1D
Entries 75
Mean −0.02203
Std Dev 0.7207

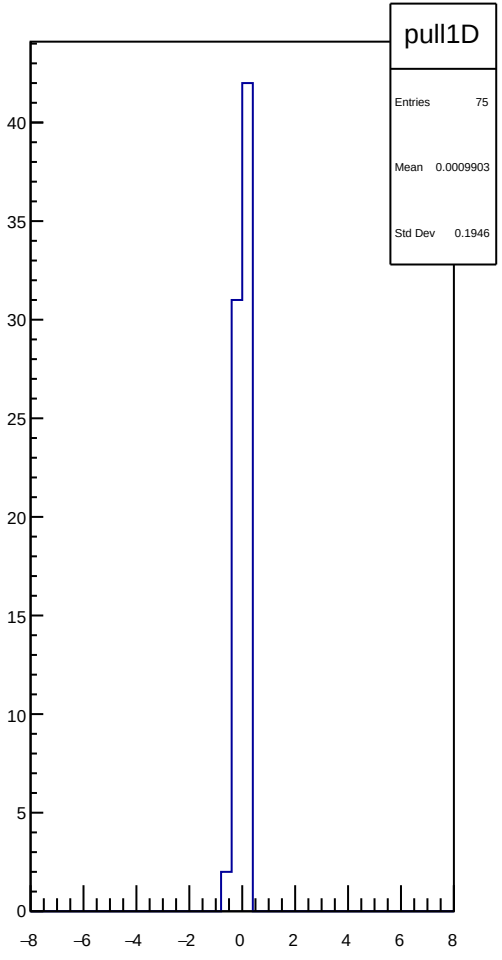

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.15 / 74
p0 −6.956 ± 3.394
pull
Entries 75
Mean −65.5
Std Dev 0

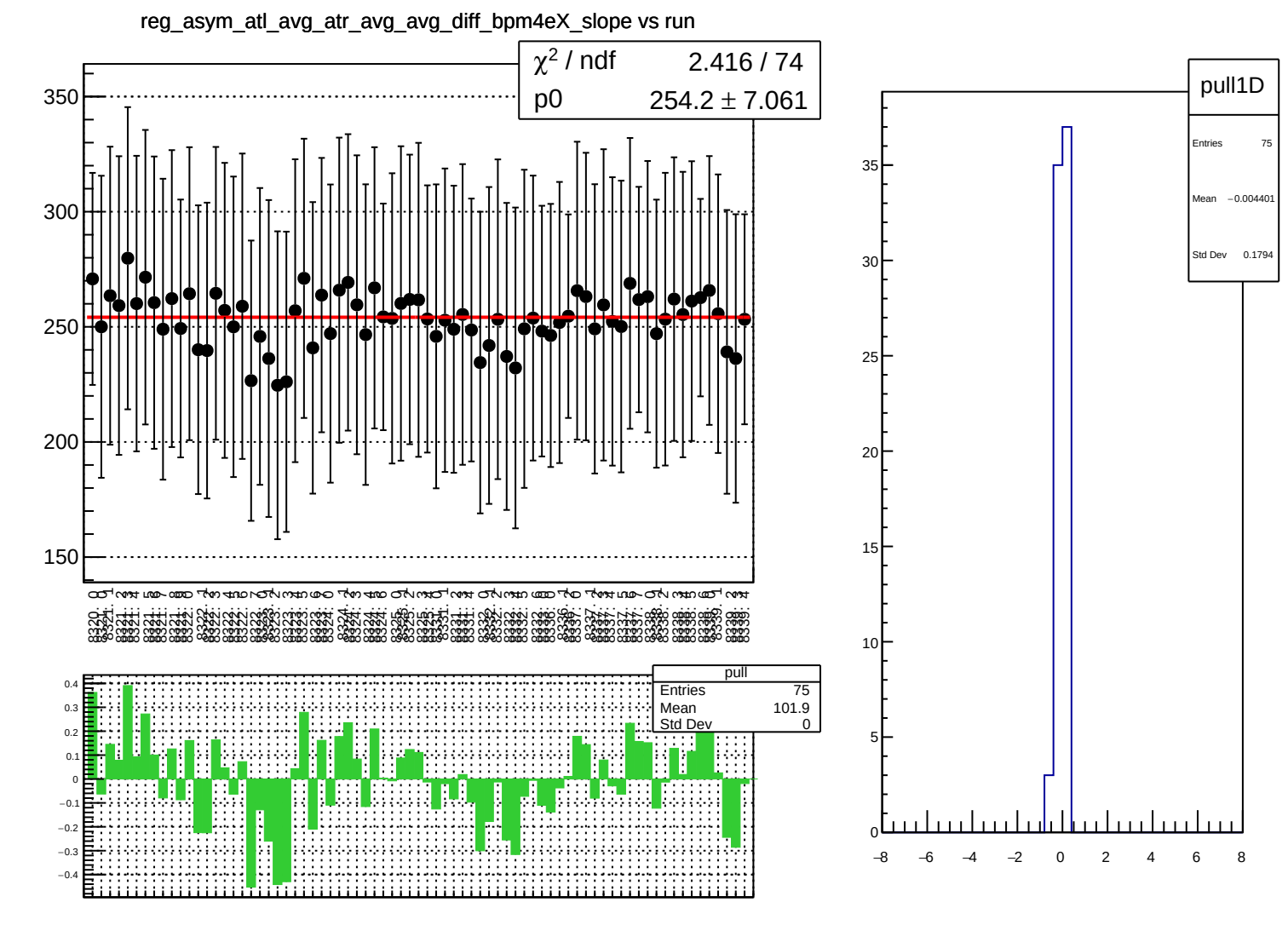

pull1D
Entries 75
Mean 0.00774
Std Dev 0.6647

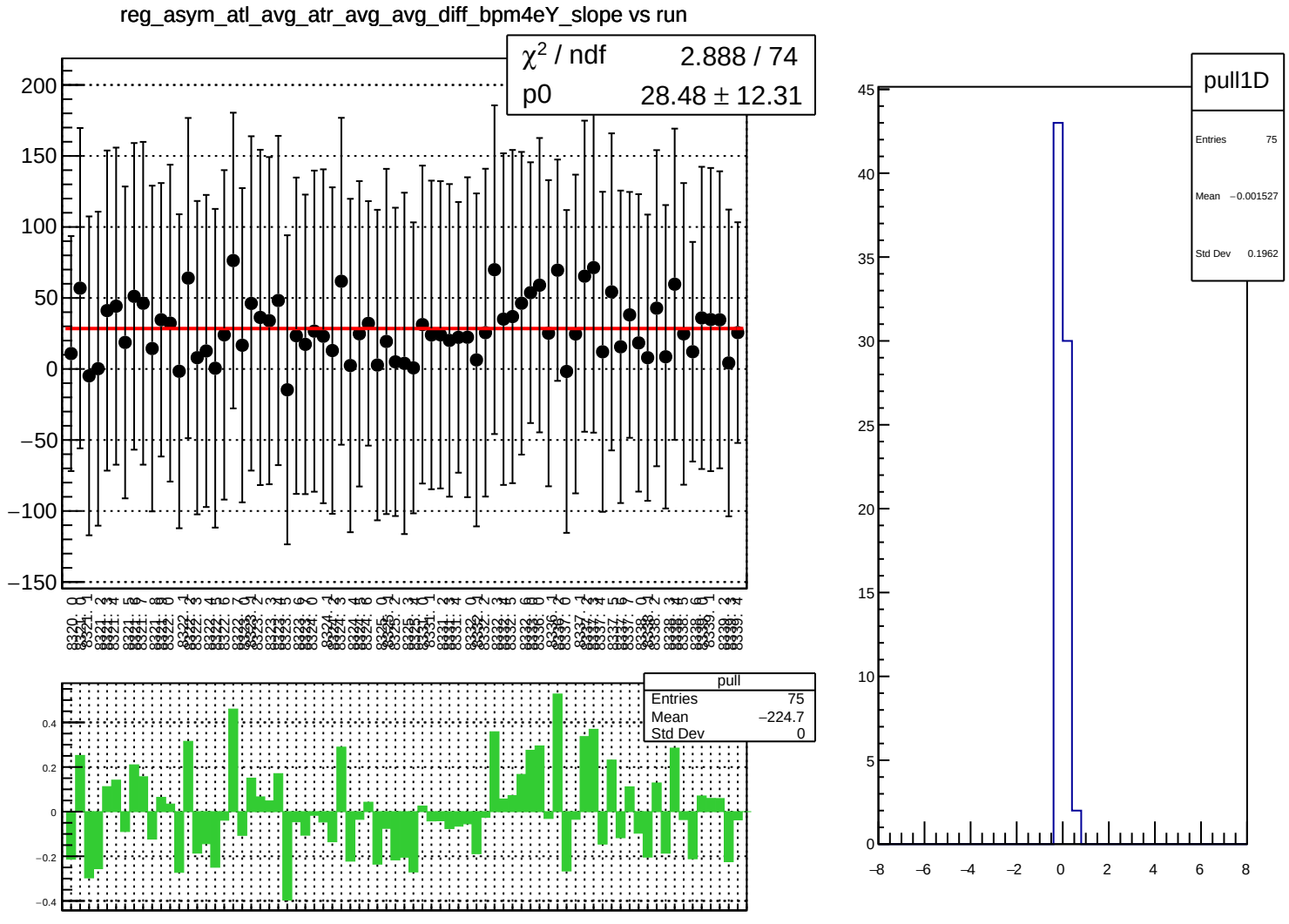

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 36.94 / 74
p0 2.066 ± 0.1893
pull
Entries 75
Mean −144.3
Std Dev 0
pull1D
Entries 75
Mean −0.01298
Std Dev 0.7017

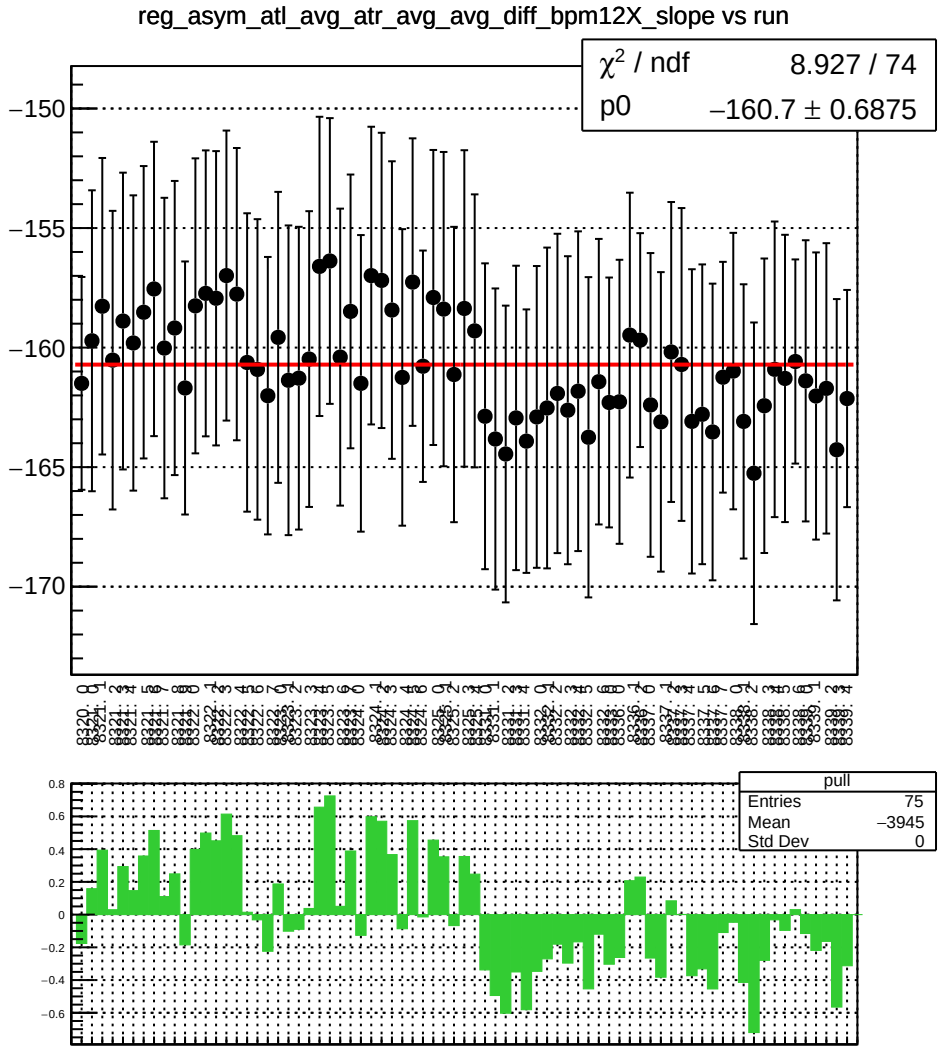

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 2.55 / 74
p0 −281.9 ± 6.197
pull
Entries 75
Mean 82.79
Std Dev 0
pull1D
Entries 75
Mean 0.004896
Std Dev 0.1843

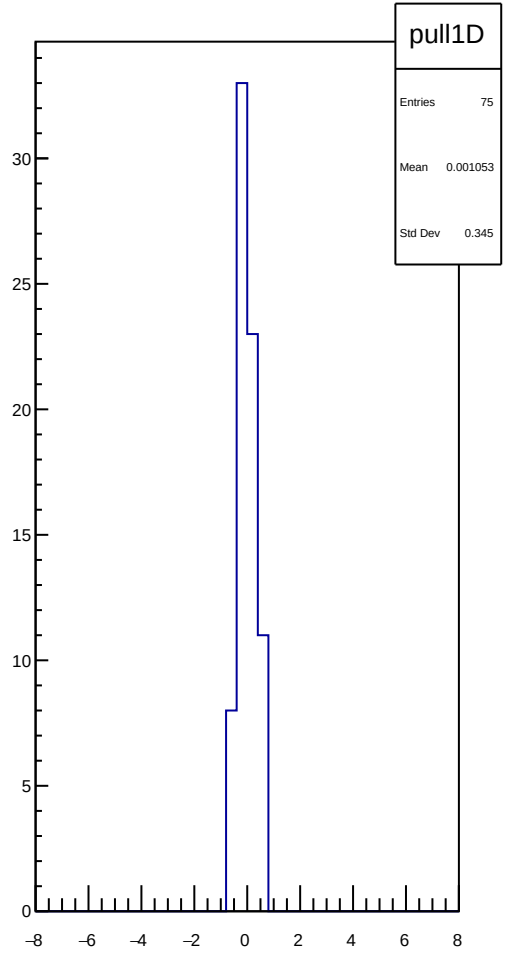

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.839 / 74
p0 35.62 ± 11.84
pull
Entries 75
Mean −154.7
Std Dev 0

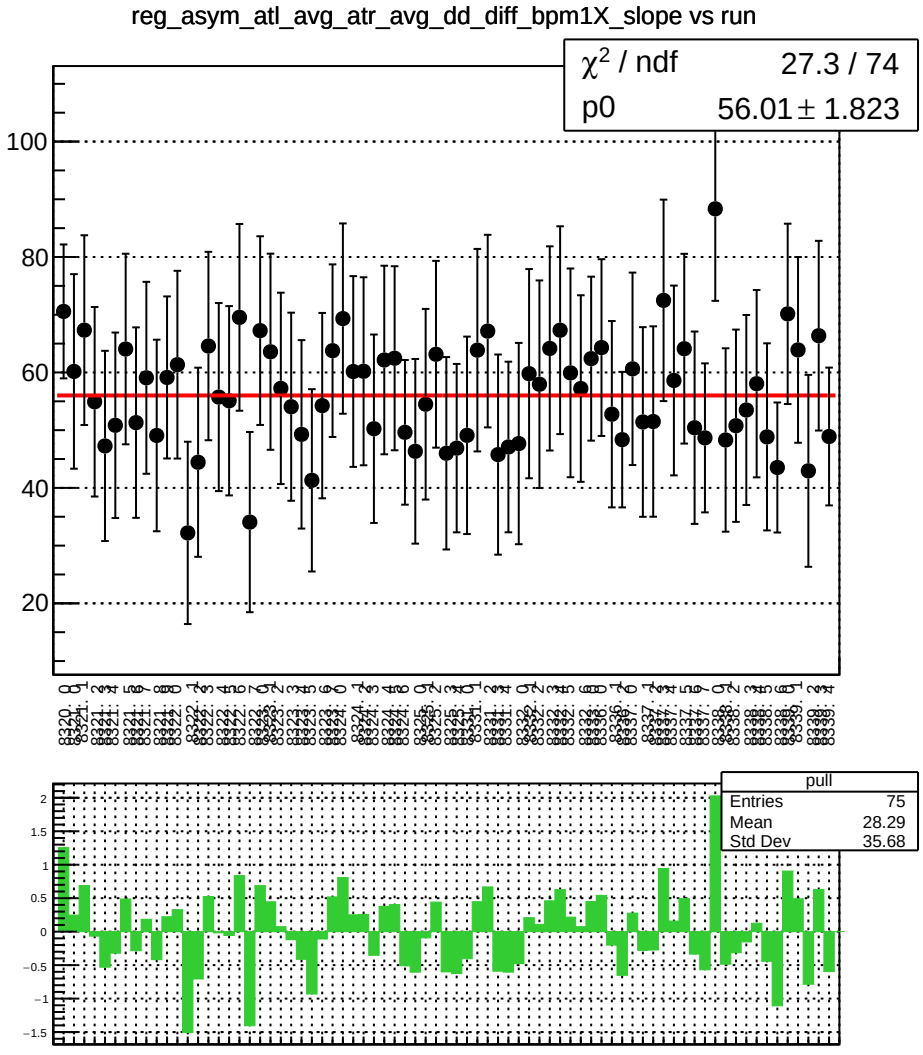

pull1D
Entries 75
Mean 0.0009903
Std Dev 0.1946

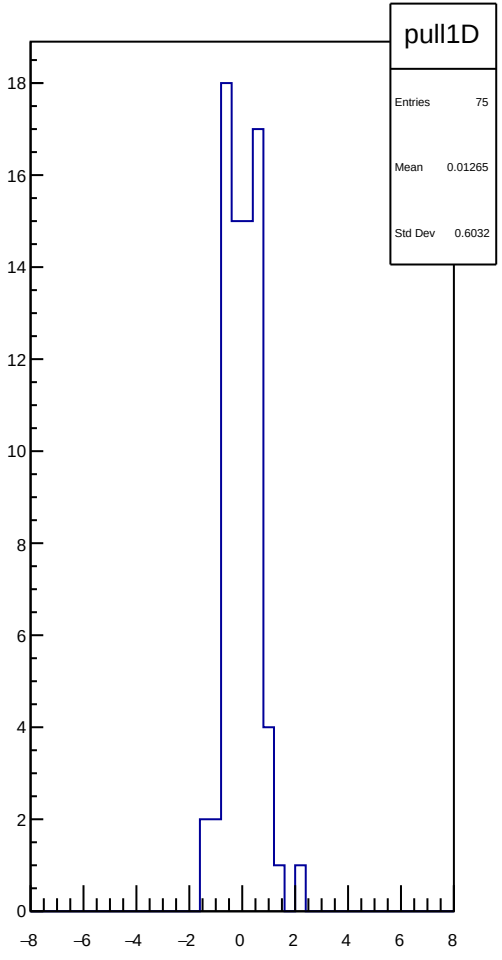

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.416 / 74
p0 254.2 ± 7.061
pull
Entries 75
Mean 101.9
Std Dev 0
pull1D
Entries 75
Mean −0.004401
Std Dev 0.1794

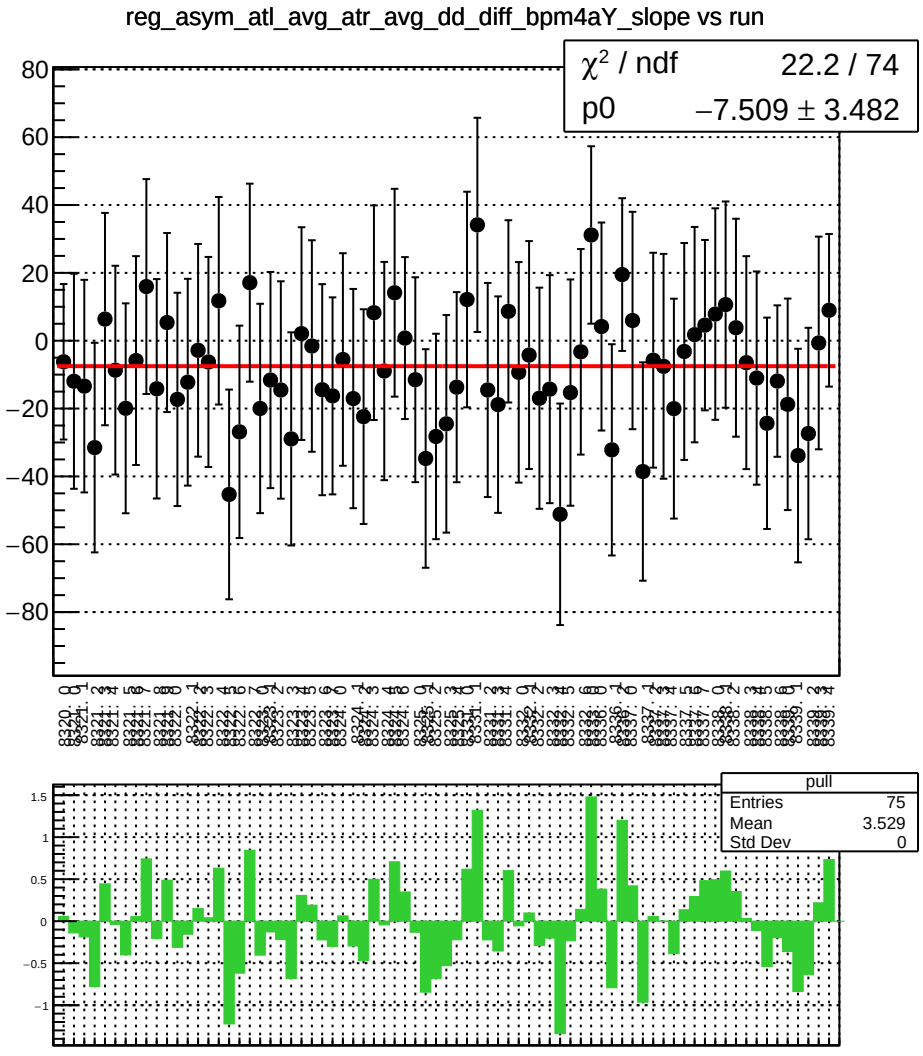

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.888 / 74
p0 28.48 ± 12.31
pull
Entries 75
Mean −224.7
Std Dev 0
pull1D
Entries 75
Mean −0.001527
Std Dev 0.1962

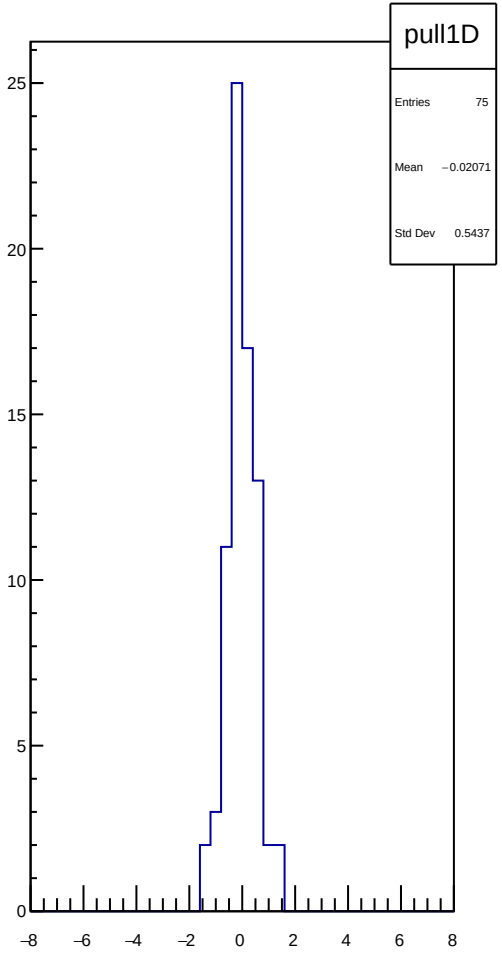

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 8.927 / 74
p0 −160.7 ± 0.6875
−150
−155
−160
−165
−170
pull
Entries 75
Mean −3945
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

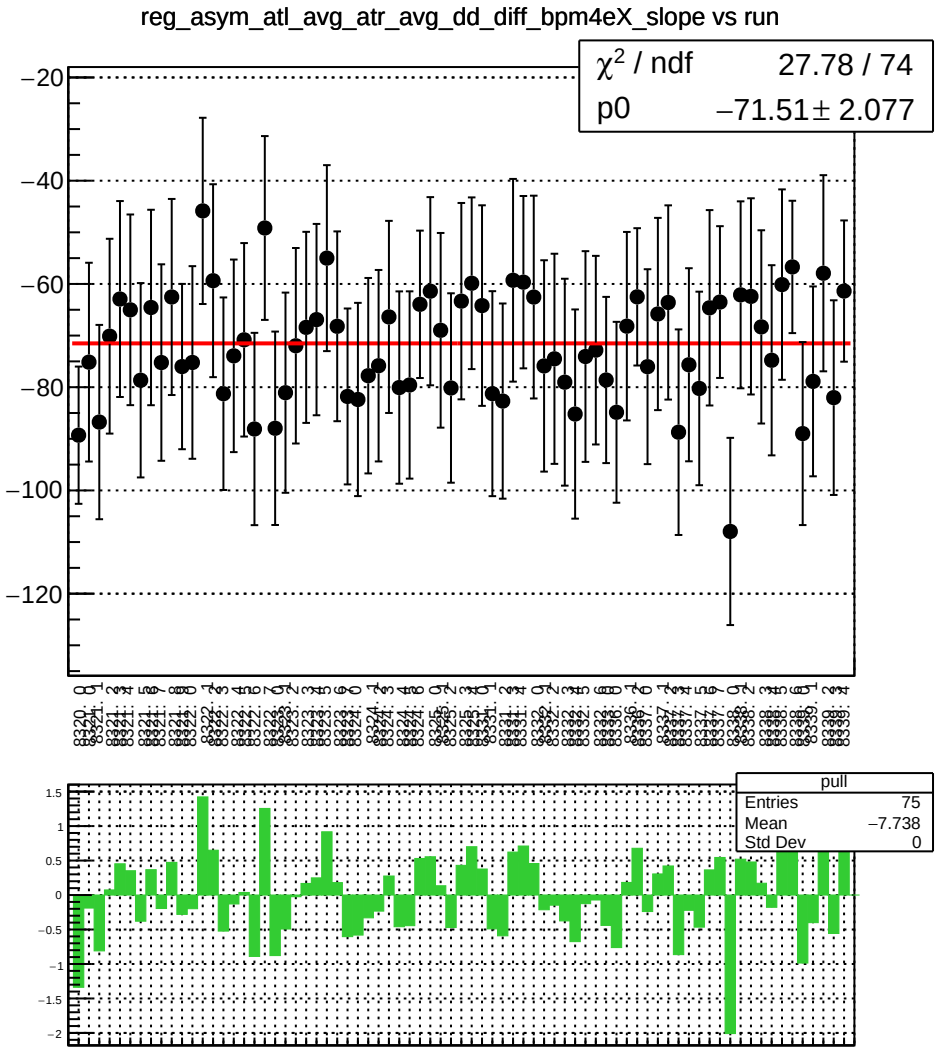

pull1D
Entries 75
Mean 0.001053
Std Dev 0.345
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

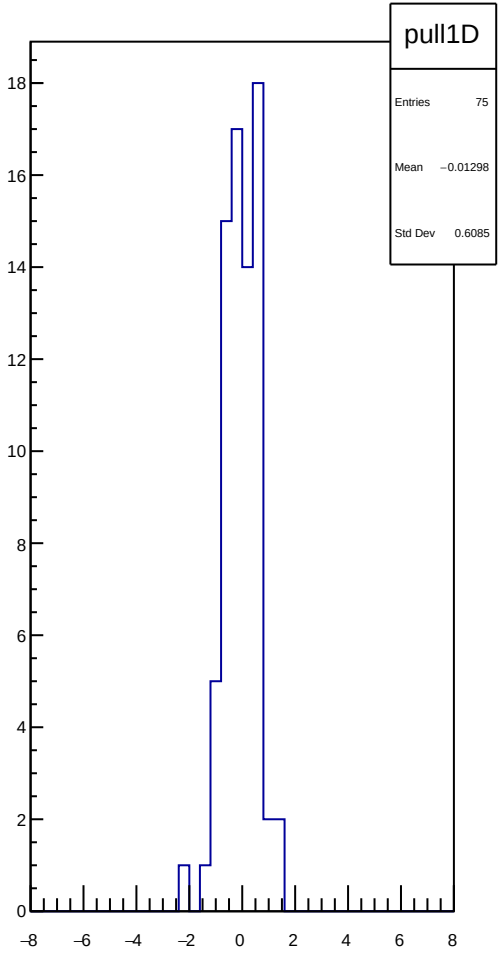

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 27.3 / 74
p0 56.01 ± 1.823
pull
Entries 75
Mean 28.29
Std Dev 35.68

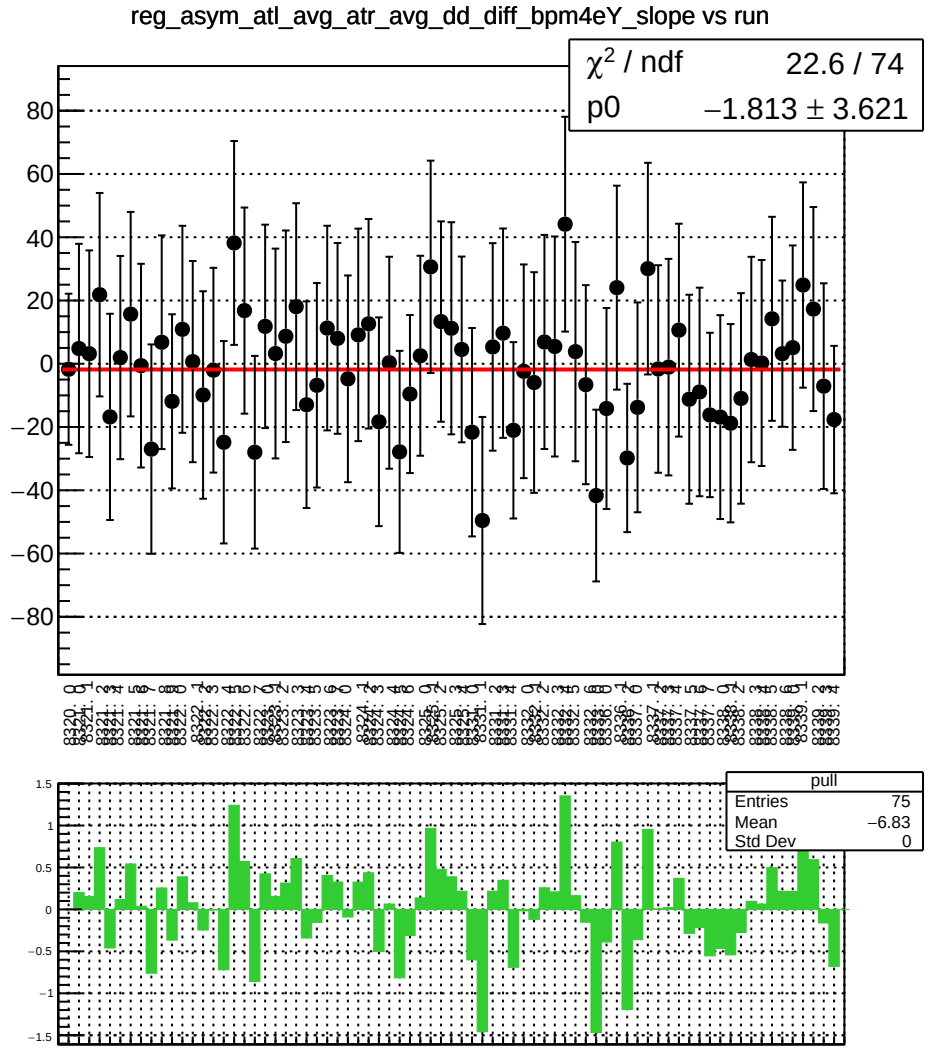

pull1D
Entries 75
Mean 0.01265
Std Dev 0.6032

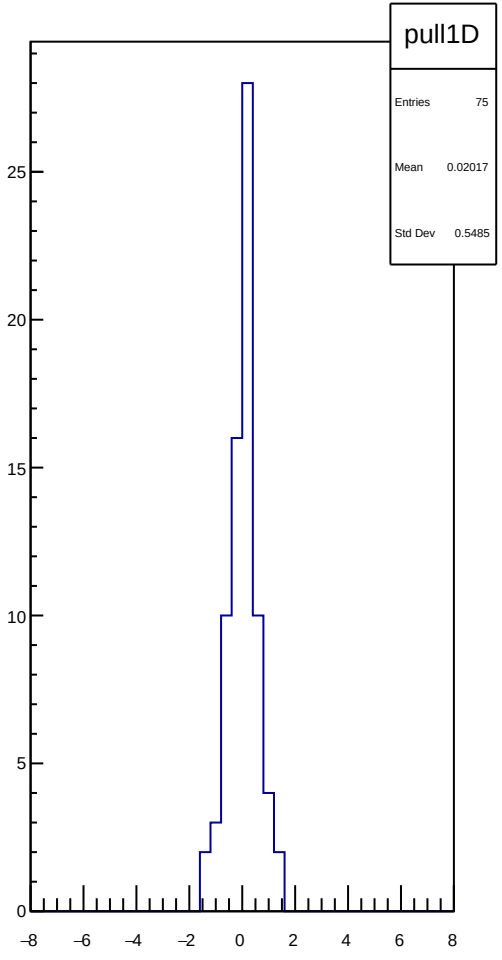

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.2 / 74
p0 −7.509 ± 3.482
pull
Entries 75
Mean 3.529
Std Dev 0

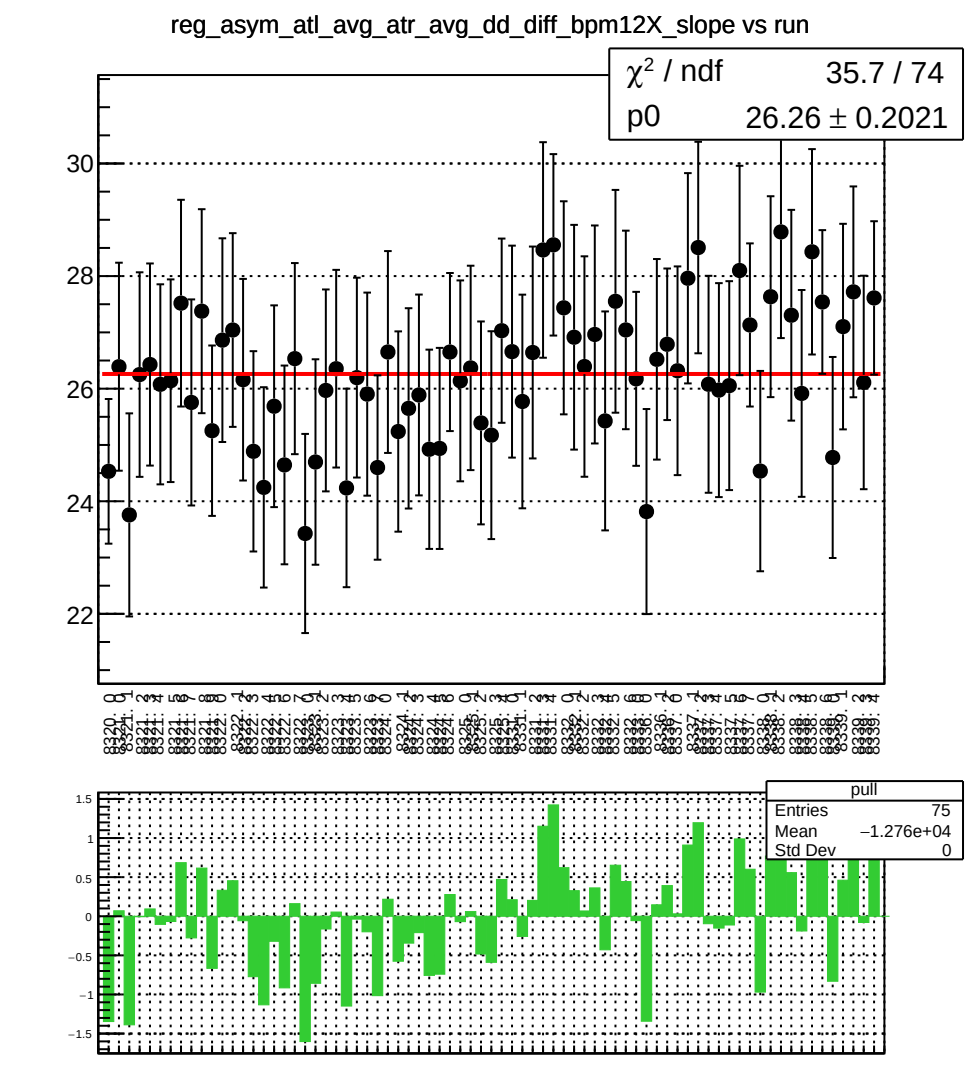

pull1D
Entries 75
Mean −0.02071
Std Dev 0.5437

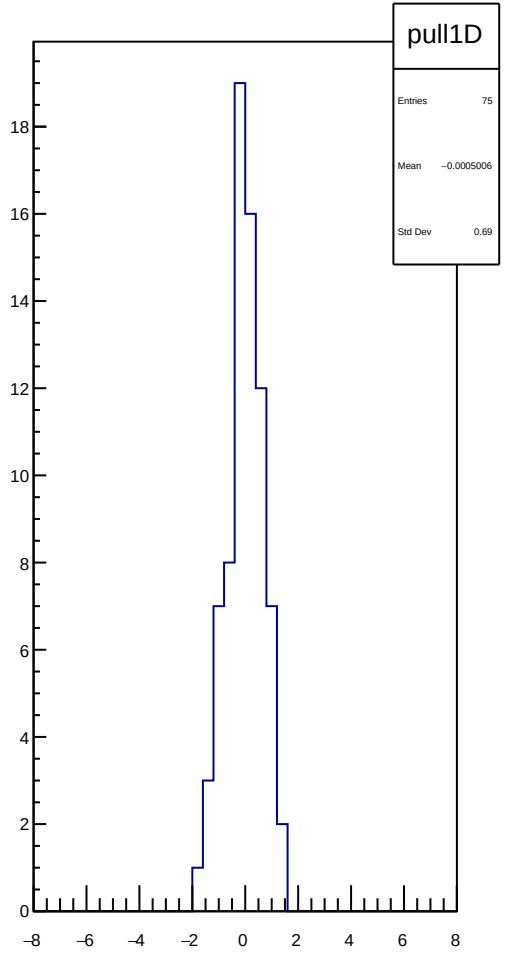

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.78 / 74
p0 −71.51± 2.077
pull
Entries 75
Mean −7.738
Std Dev 0

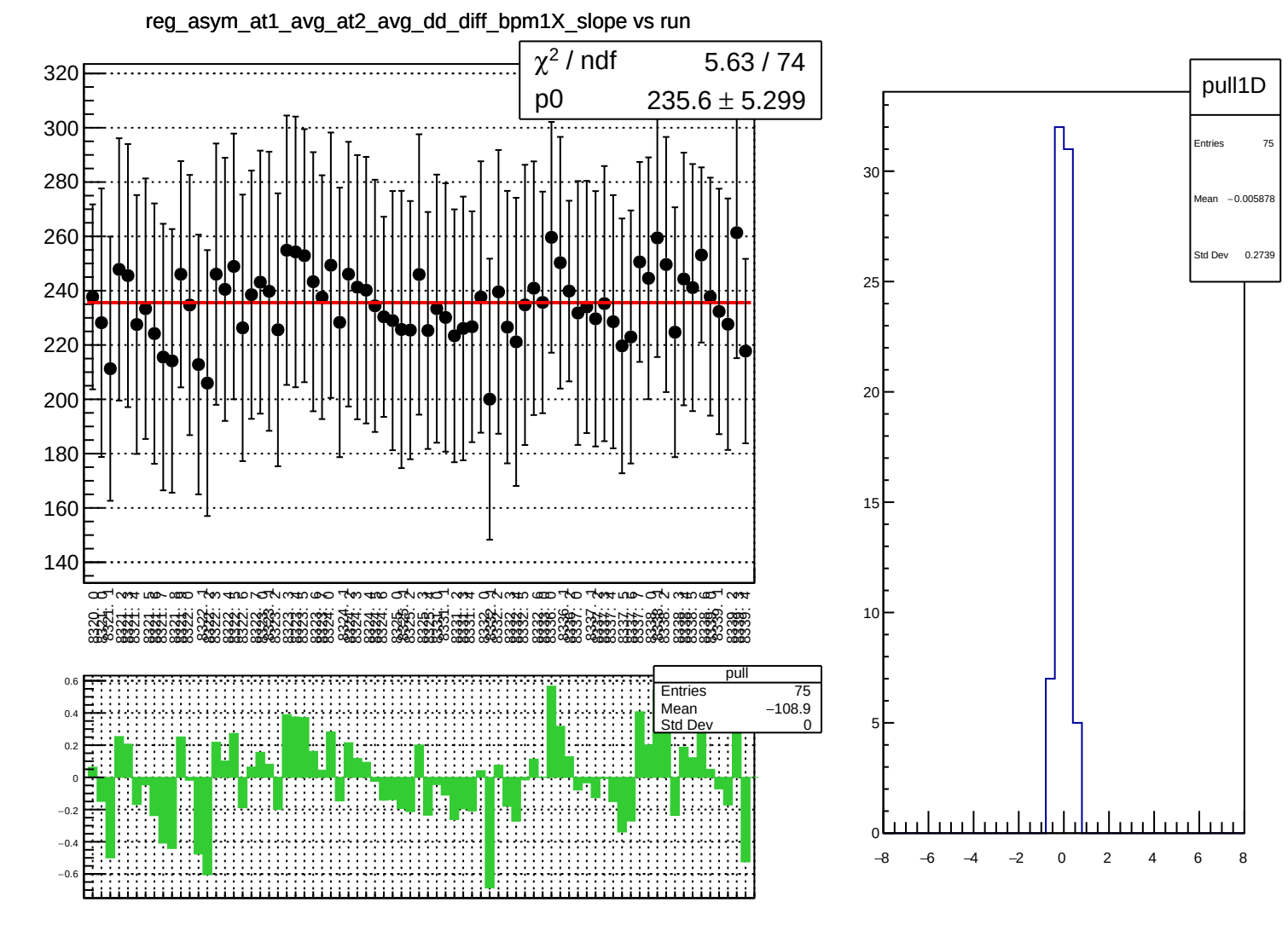

pull1D
Entries 75
Mean −0.01298
Std Dev 0.6085

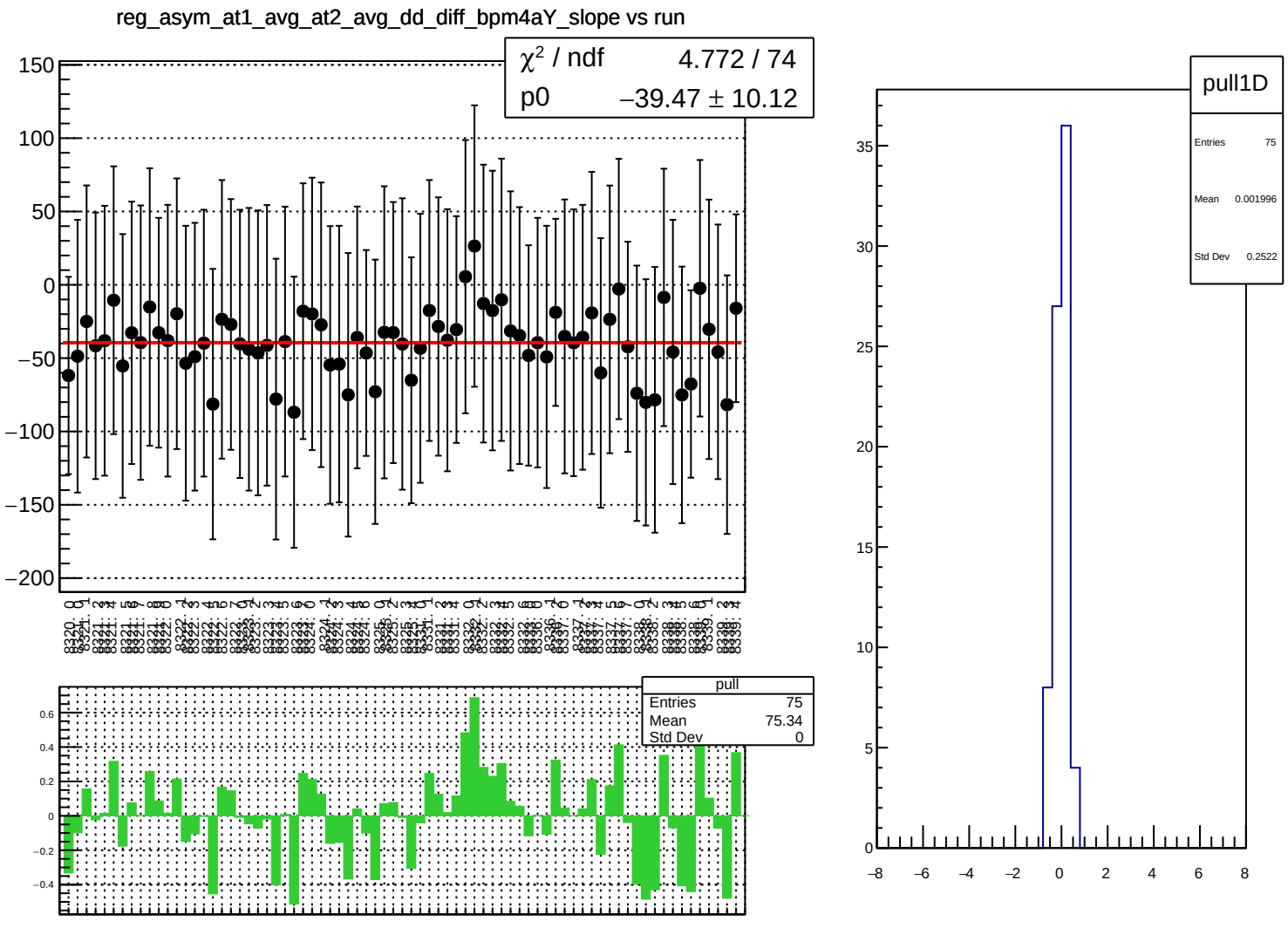

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.6 / 74
p0 −1.813 ± 3.621
pull
Entries 75
Mean −6.83
Std Dev 0

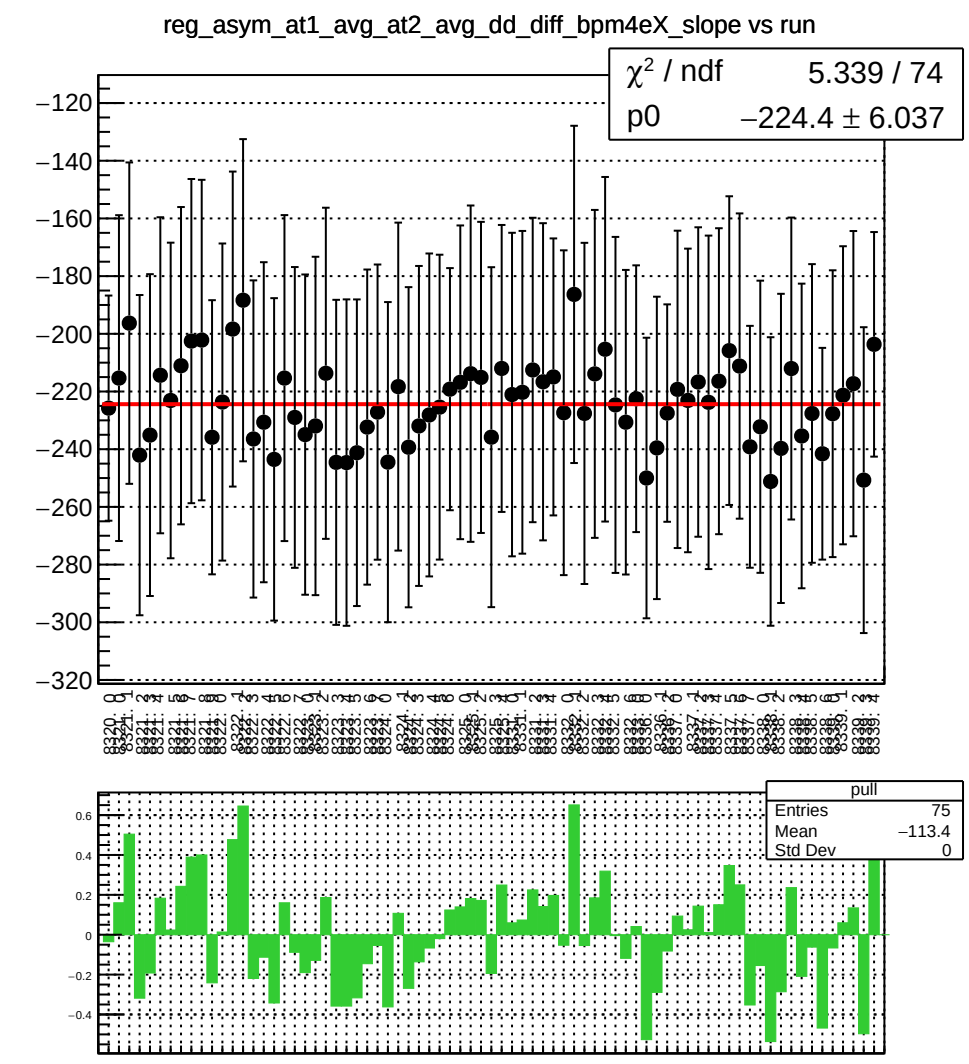

pull1D
Entries 75
Mean 0.02017
Std Dev 0.5485

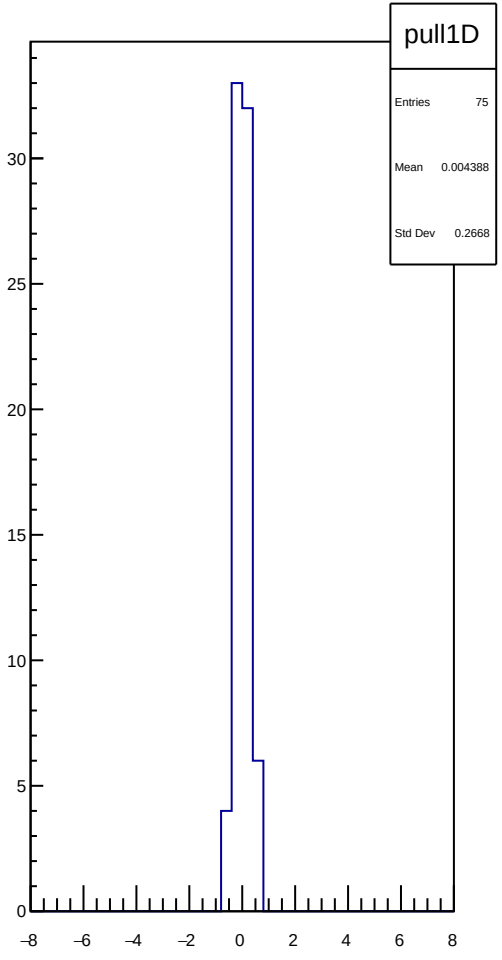

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 35.7 / 74
p0 26.26 ± 0.2021
pull
Entries 75
Mean −1.276e+04
Std Dev 0

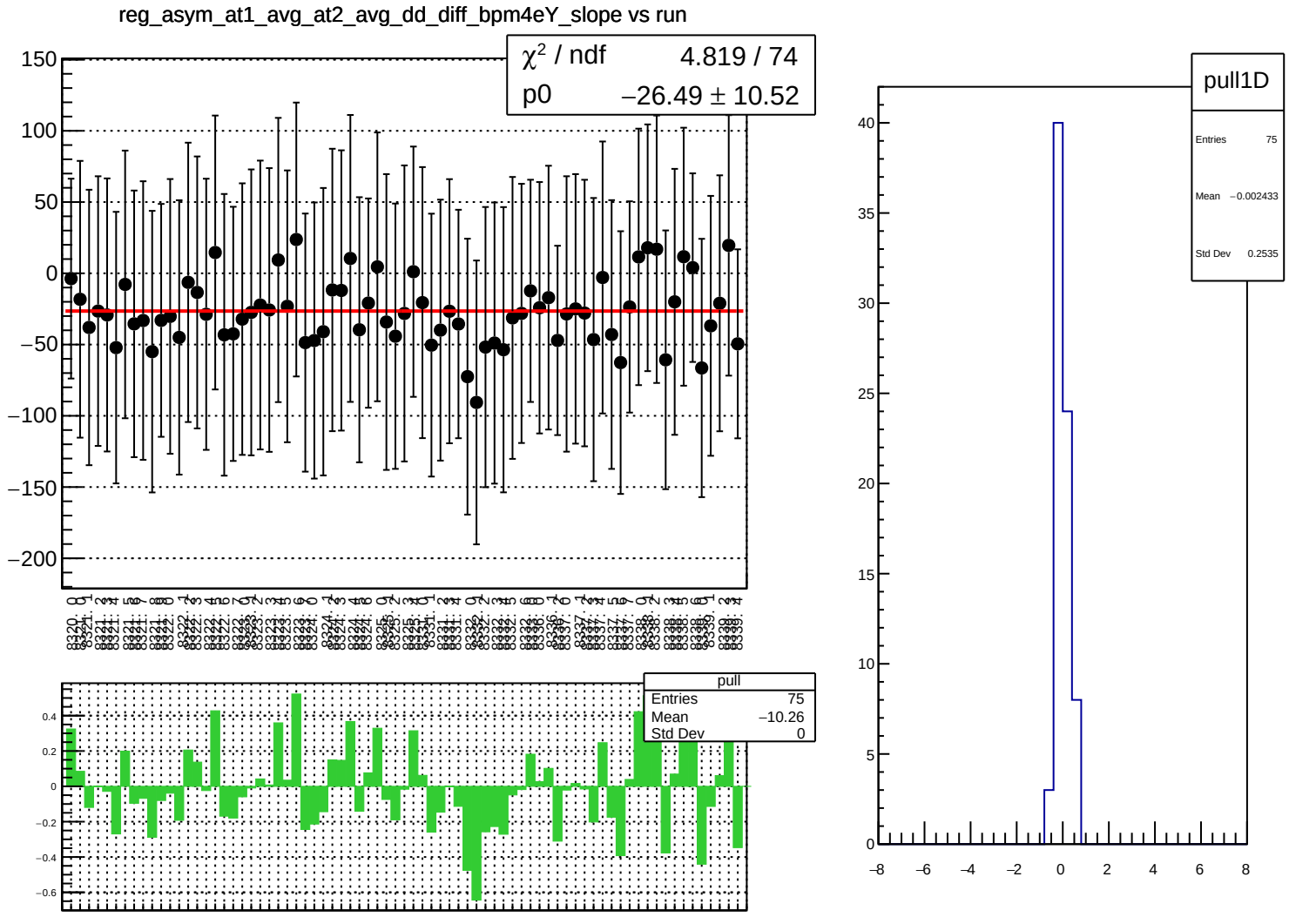

pull1D
Entries 75
Mean −0.0005006
Std Dev 0.69

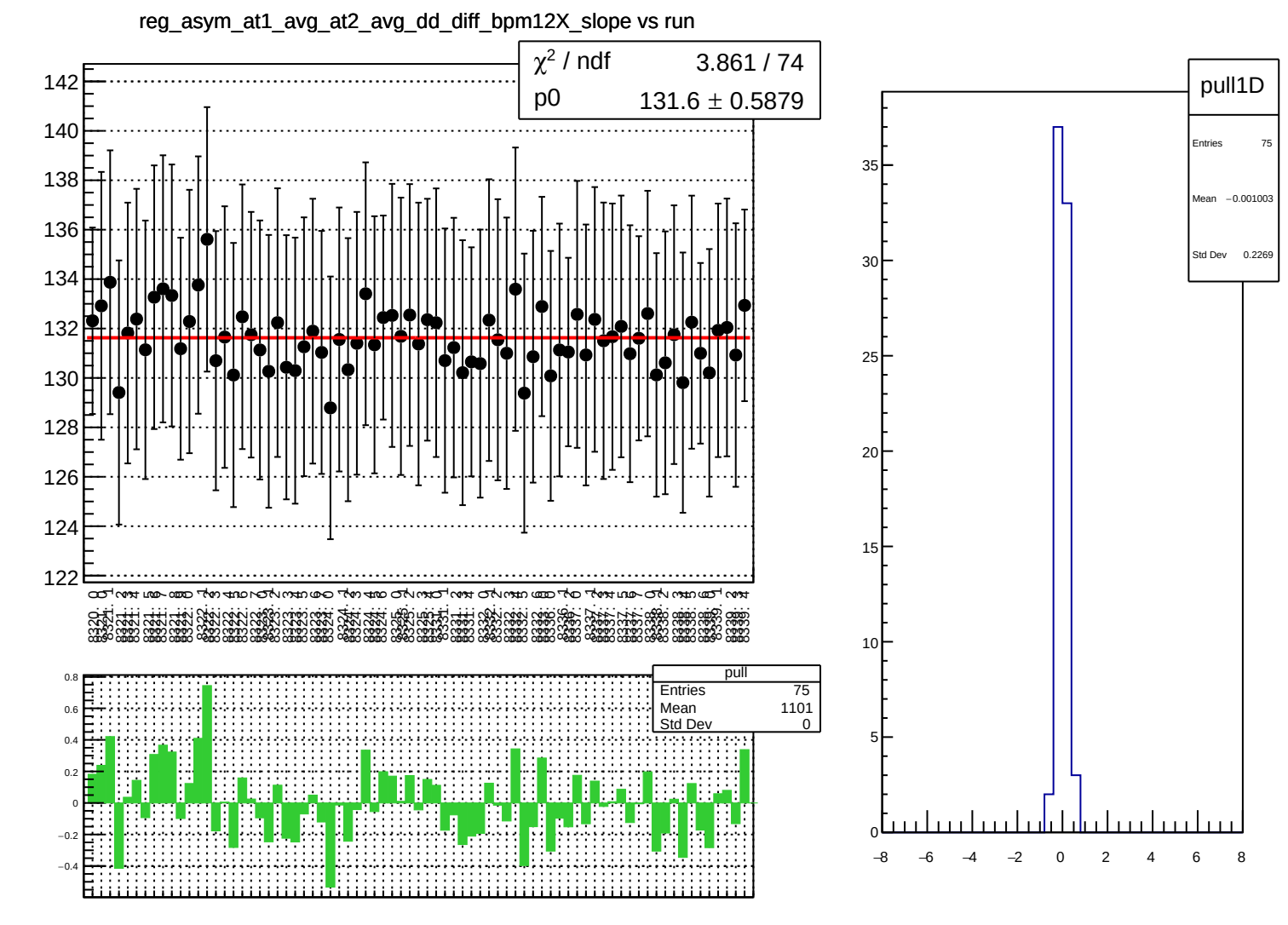

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 5.63 / 74
p0 235.6 ± 5.299
pull
Entries 75
Mean −108.9
Std Dev 0
pull1D
Entries 75
Mean −0.005878
Std Dev 0.2739

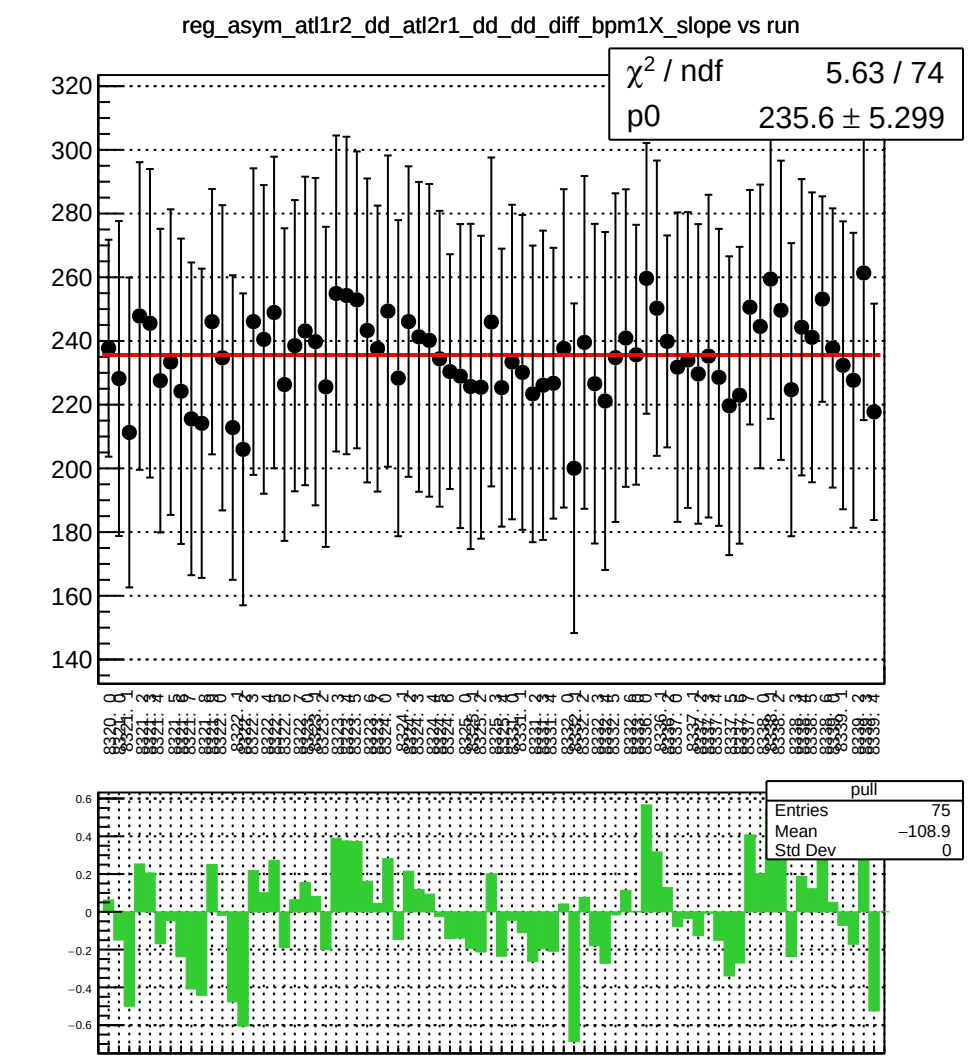

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.772 / 74
p0 −39.47 ± 10.12
pull
Entries 75
Mean 75.34
Std Dev 0
pull1D
Entries 75
Mean 0.001996
Std Dev 0.2522

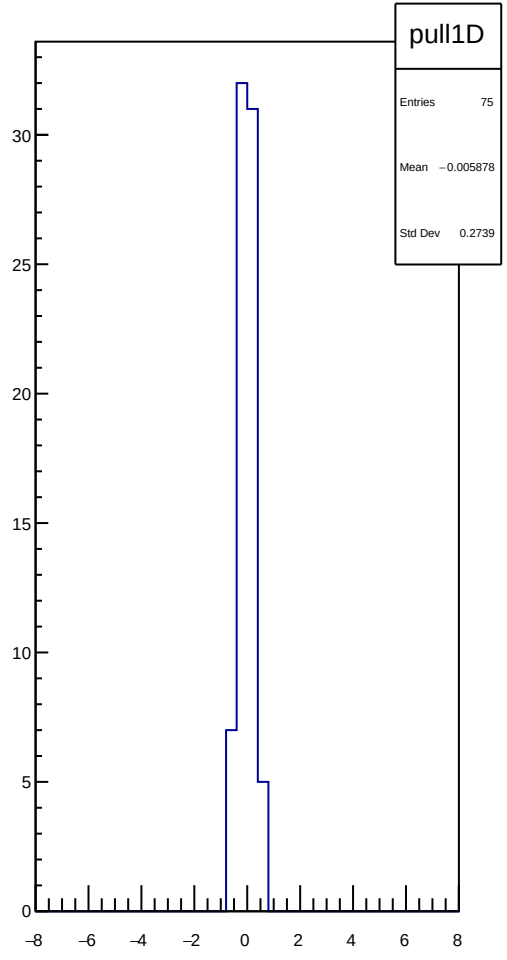

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.339 / 74
p0 −224.4 ± 6.037
pull
Entries 75
Mean −113.4
Std Dev 0

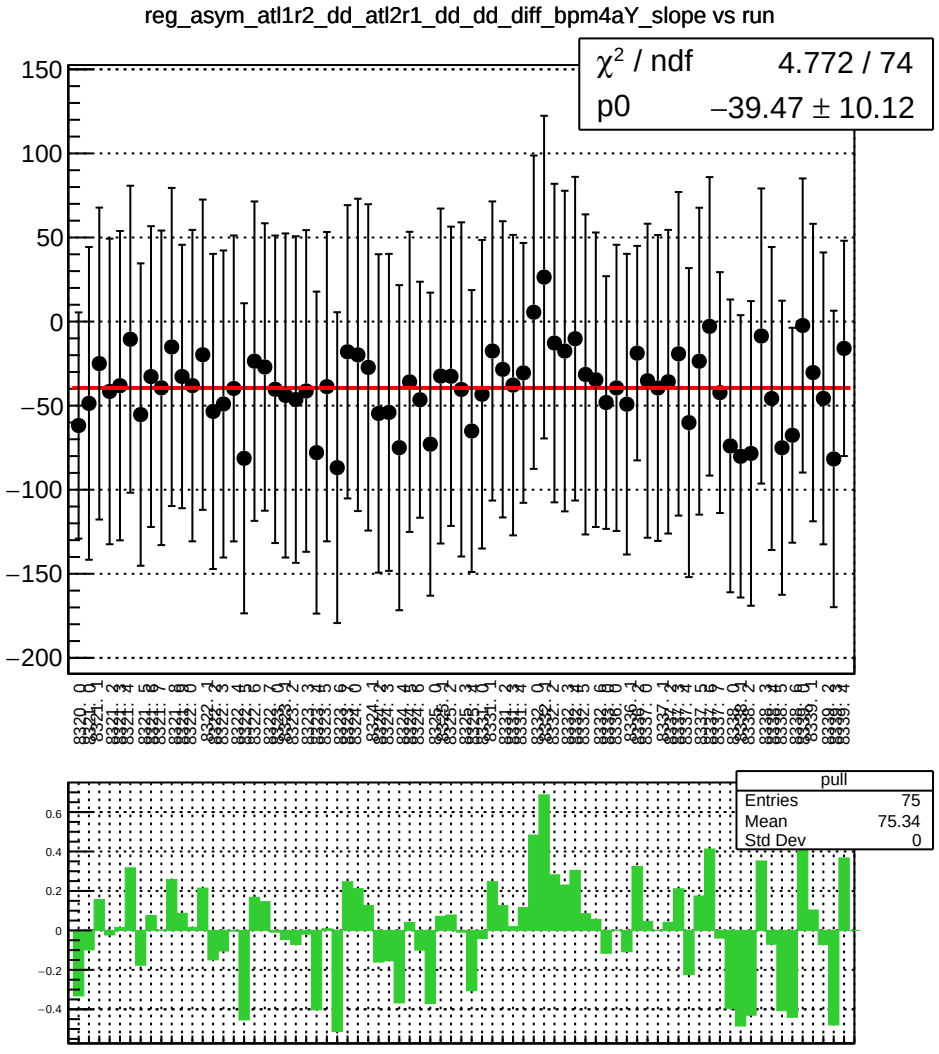

pull1D
Entries 75
Mean 0.004388
Std Dev 0.2668

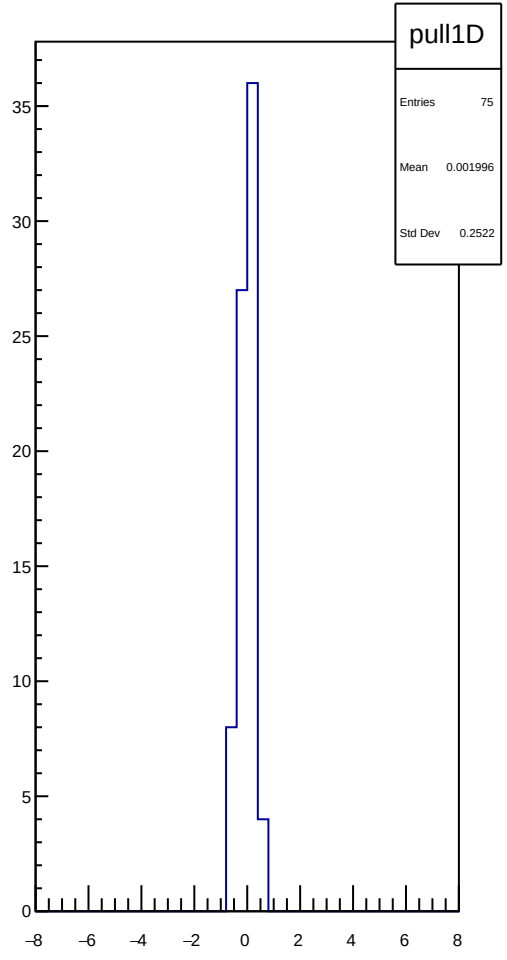

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.819 / 74
p0 −26.49 ± 10.52
pull
Entries 75
Mean −10.26
Std Dev 0
pull1D
Entries 75
Mean −0.002433
Std Dev 0.2535

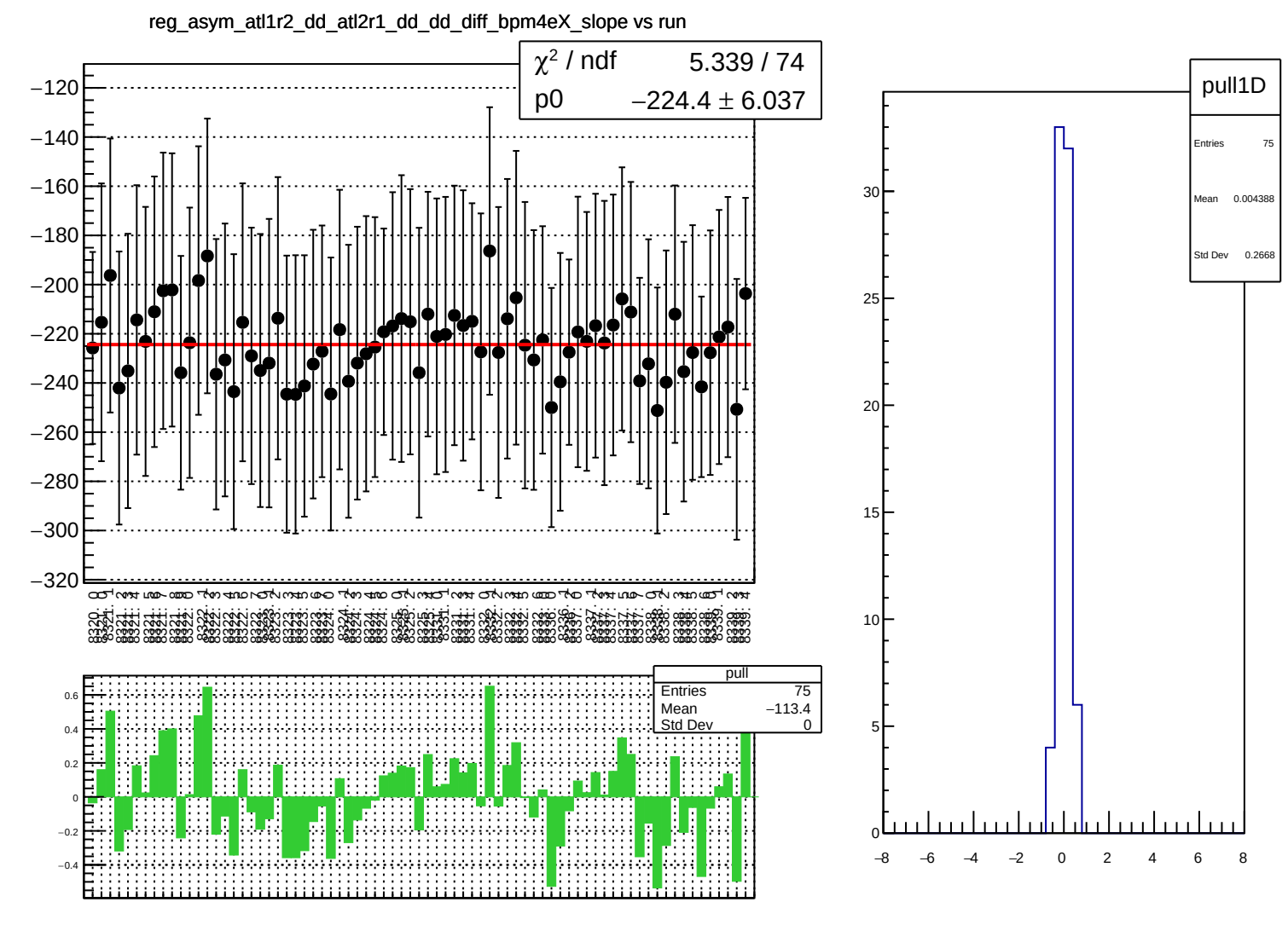

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 3.861 / 74
p0 131.6 ± 0.5879
pull
Entries 75
Mean 1101
Std Dev 0
pull1D
Entries 75
Mean −0.001003
Std Dev 0.2269

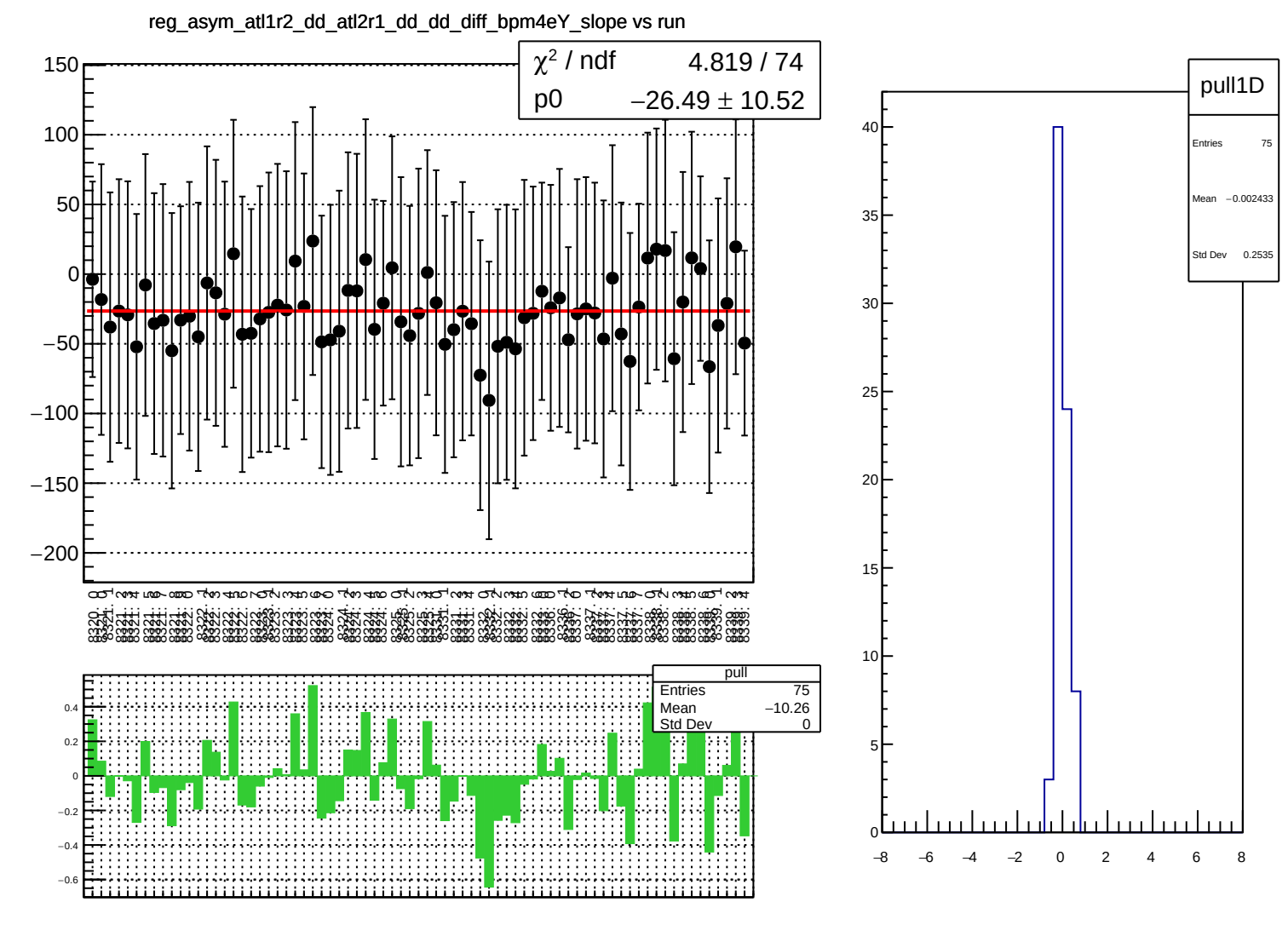

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 5.63 / 74
p0 235.6 ± 5.299
pull
Entries 75
Mean −108.9
Std Dev 0

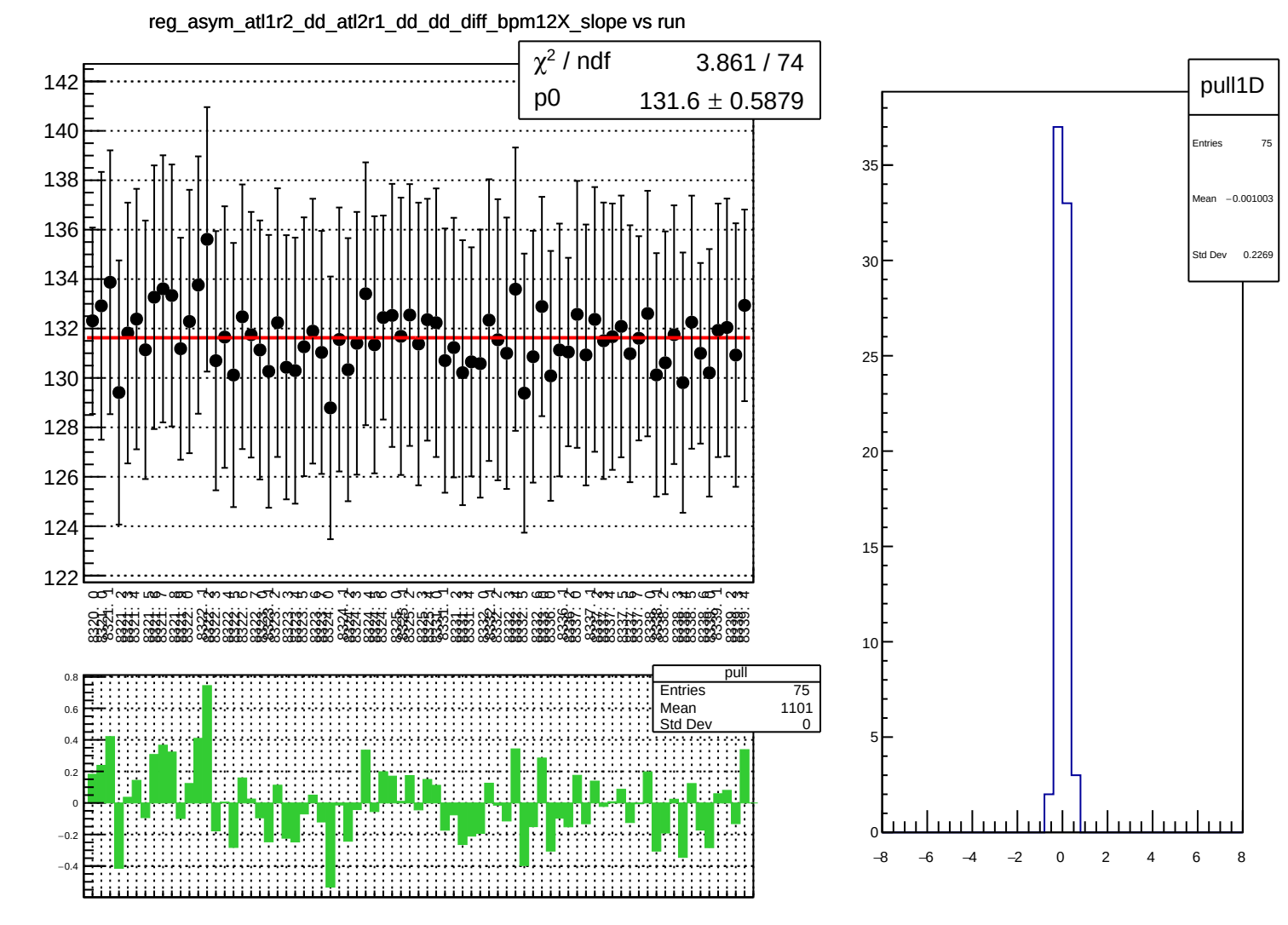

pull1D
Entries 75
Mean −0.005878
Std Dev 0.2739

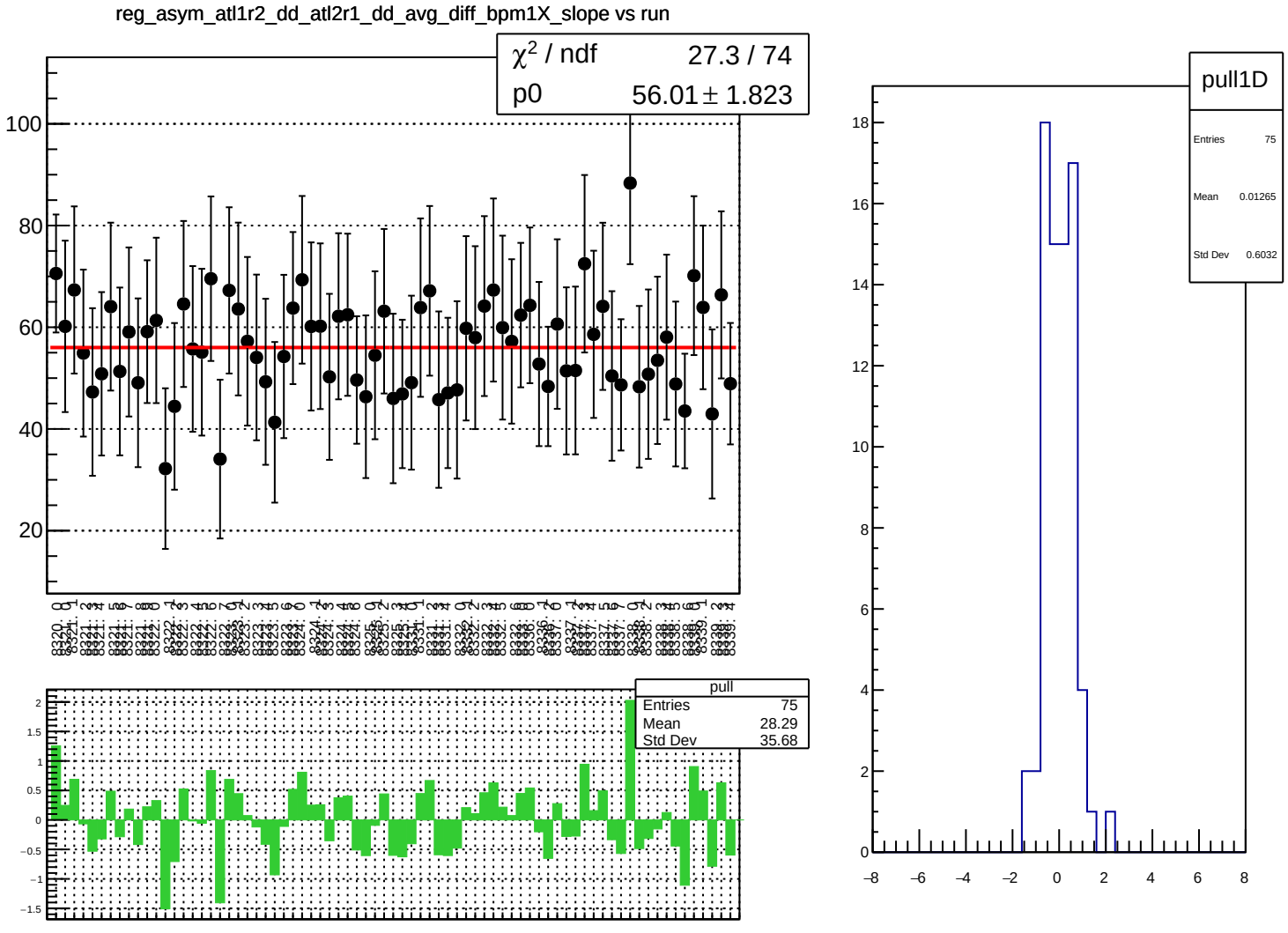

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.772 / 74
p0 −39.47 ± 10.12
pull
Entries 75
Mean 75.34
Std Dev 0

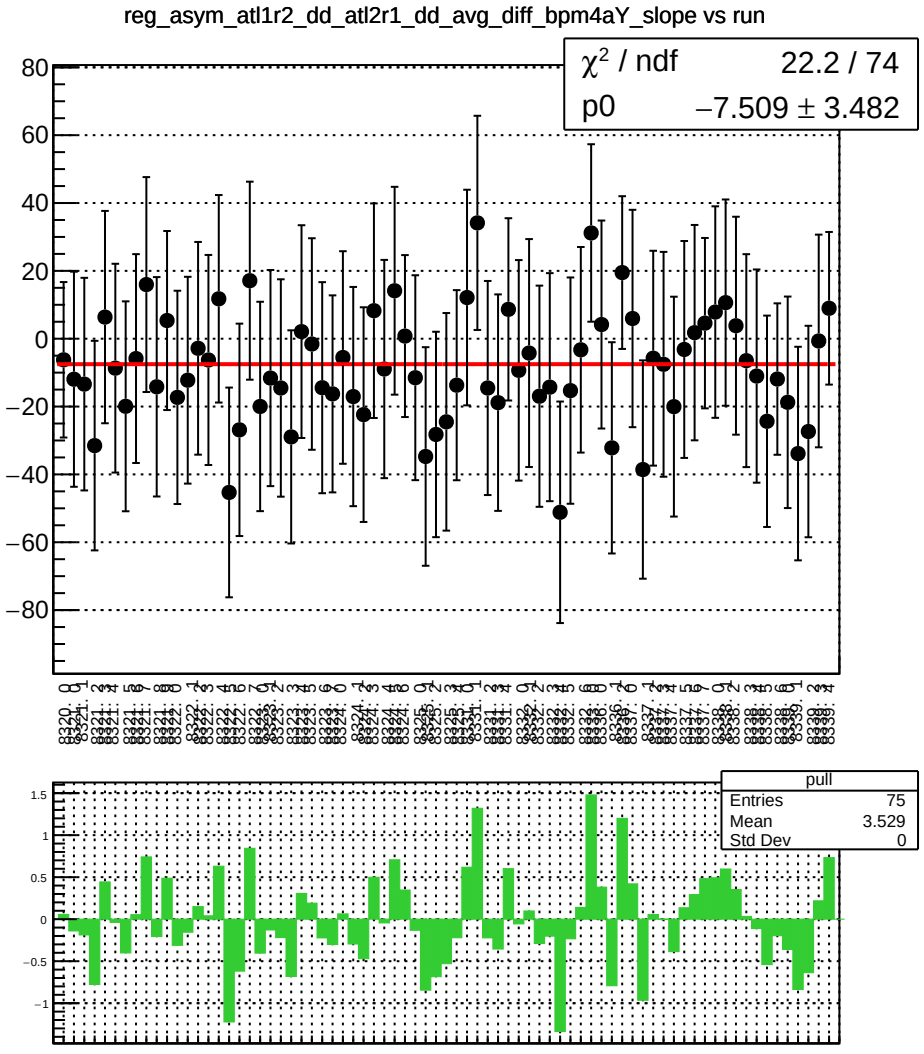

pull1D
Entries 75
Mean 0.001996
Std Dev 0.2522

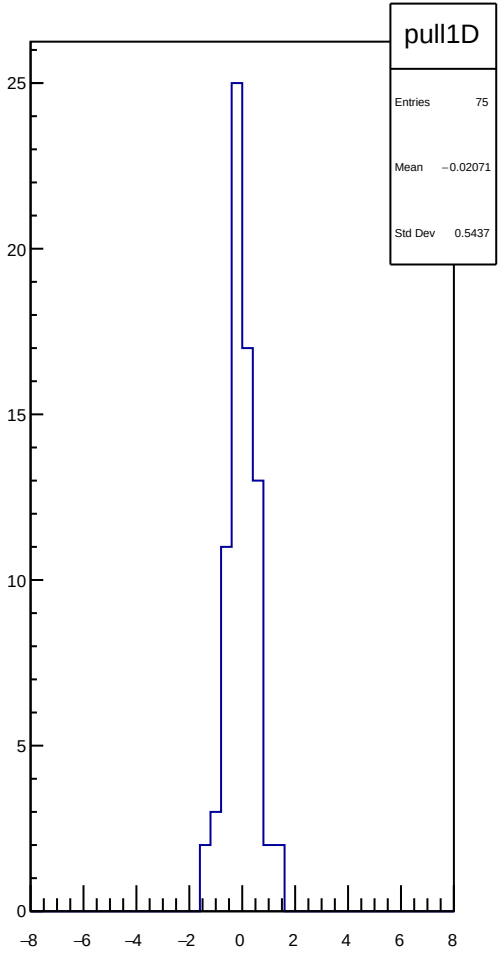

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.339 / 74
p0 −224.4 ± 6.037
pull
Entries 75
Mean −113.4
Std Dev 0
pull1D
Entries 75
Mean 0.004388
Std Dev 0.2668

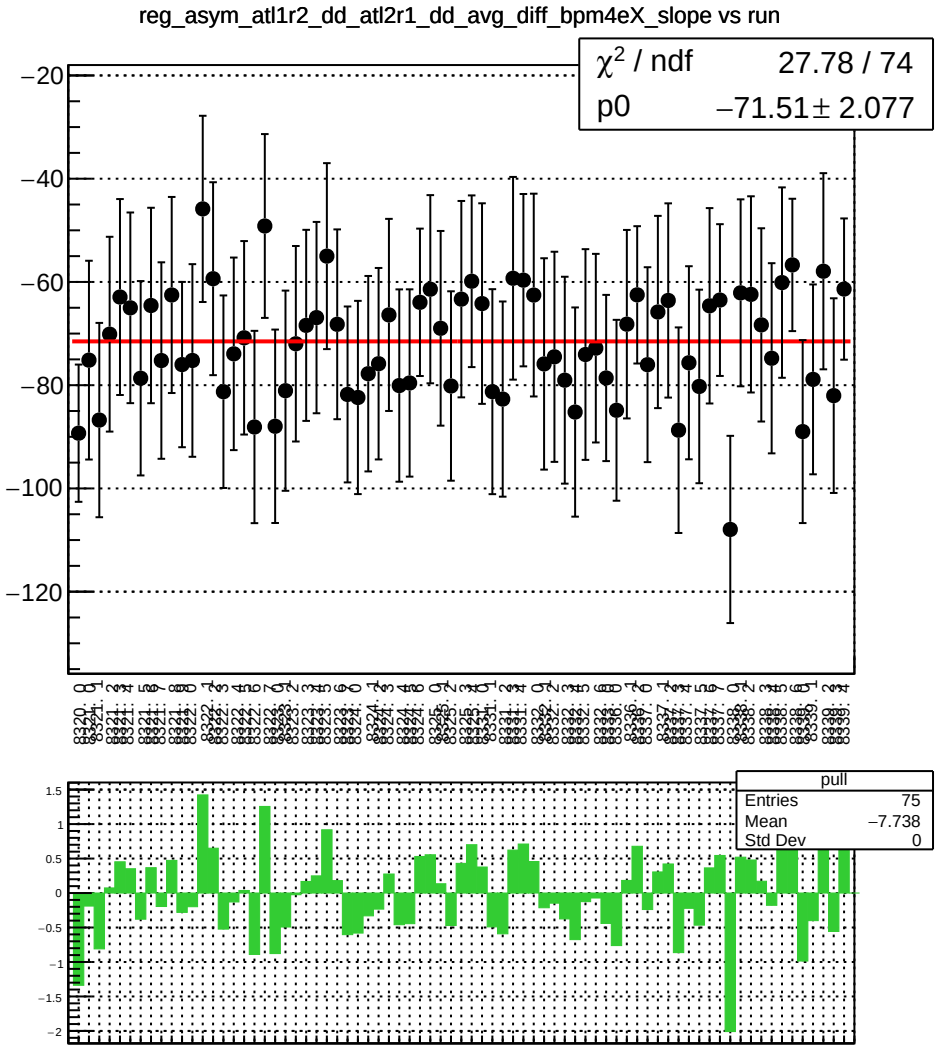

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.819 / 74
p0 −26.49 ± 10.52
pull
Entries 75
Mean −10.26
Std Dev 0
pull1D
Entries 75
Mean −0.002433
Std Dev 0.2535

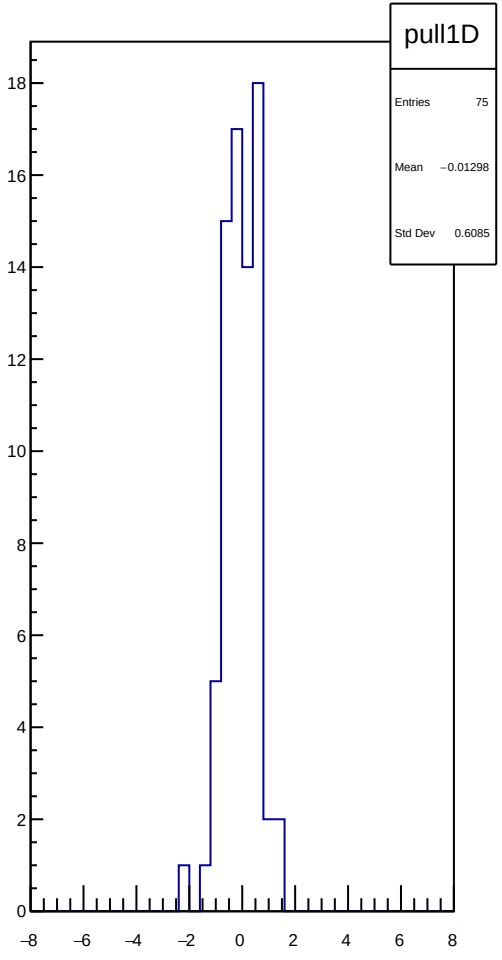

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 3.861 / 74
p0 131.6 ± 0.5879
pull
Entries 75
Mean 1101
Std Dev 0
pull1D
Entries 75
Mean −0.001003
Std Dev 0.2269

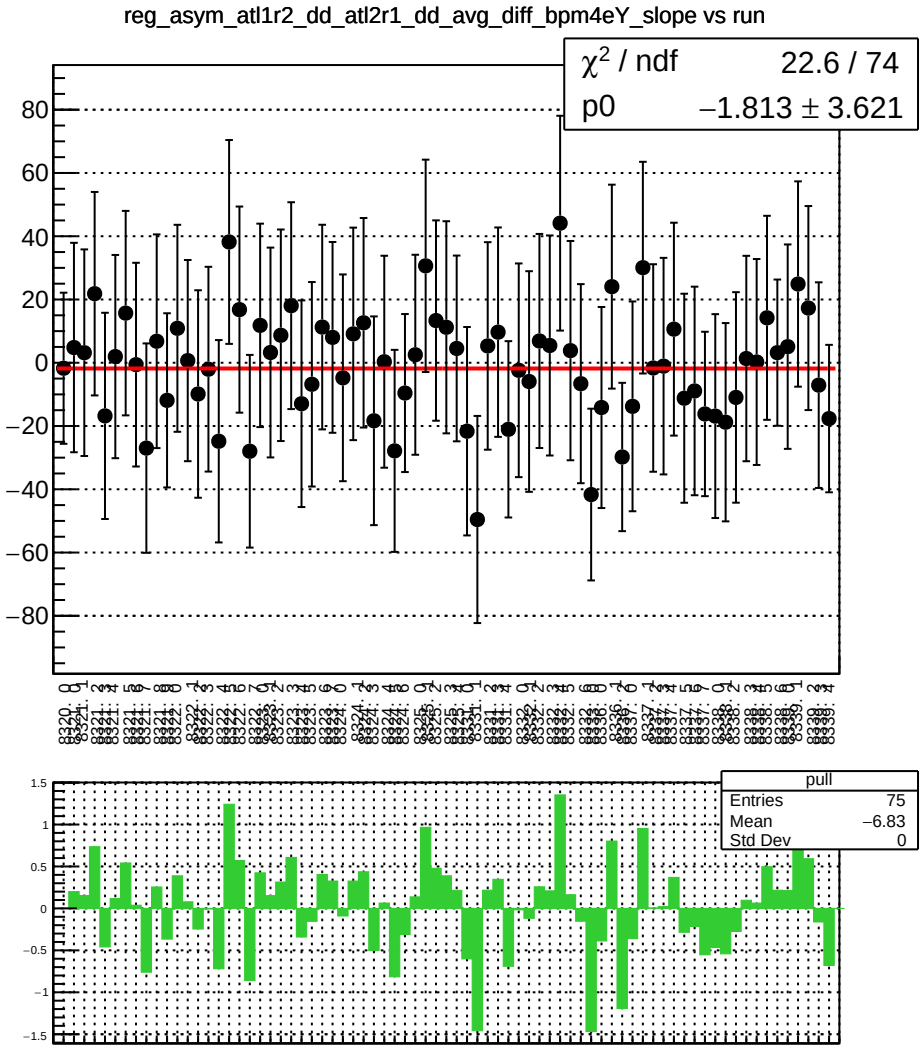

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 27.3 / 74
p0 56.01 ± 1.823
pull
Entries 75
Mean 28.29
Std Dev 35.68
pull1D
Entries 75
Mean 0.01265
Std Dev 0.6032

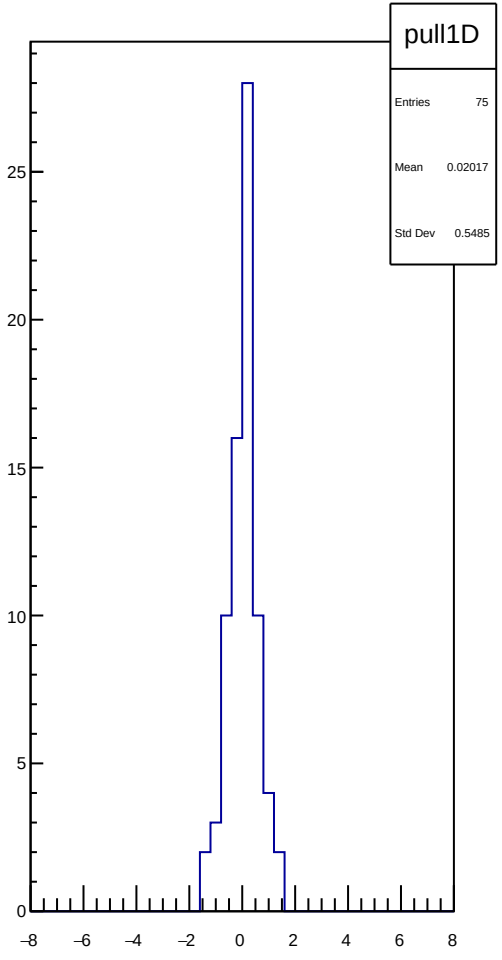

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.2 / 74
p0 −7.509 ± 3.482
pull
Entries 75
Mean 3.529
Std Dev 0

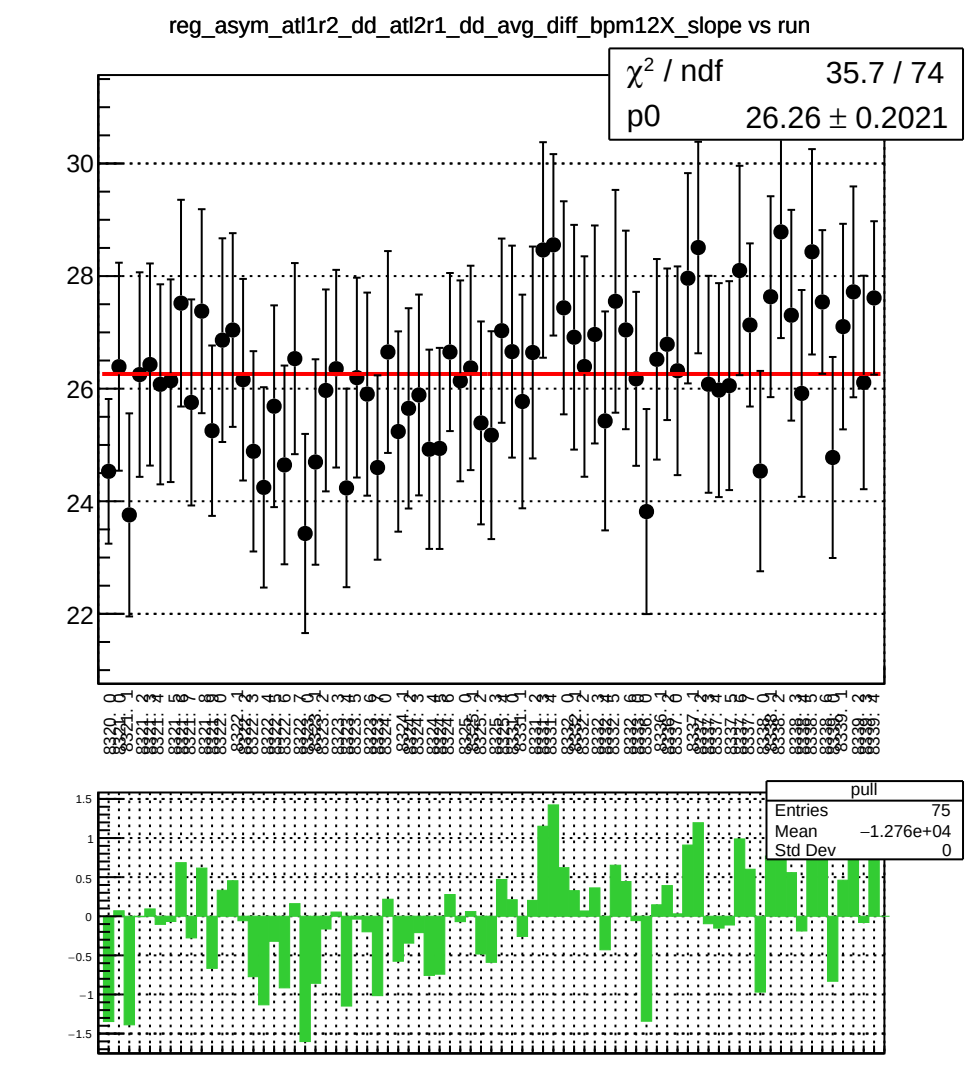

pull1D
Entries 75
Mean −0.02071
Std Dev 0.5437

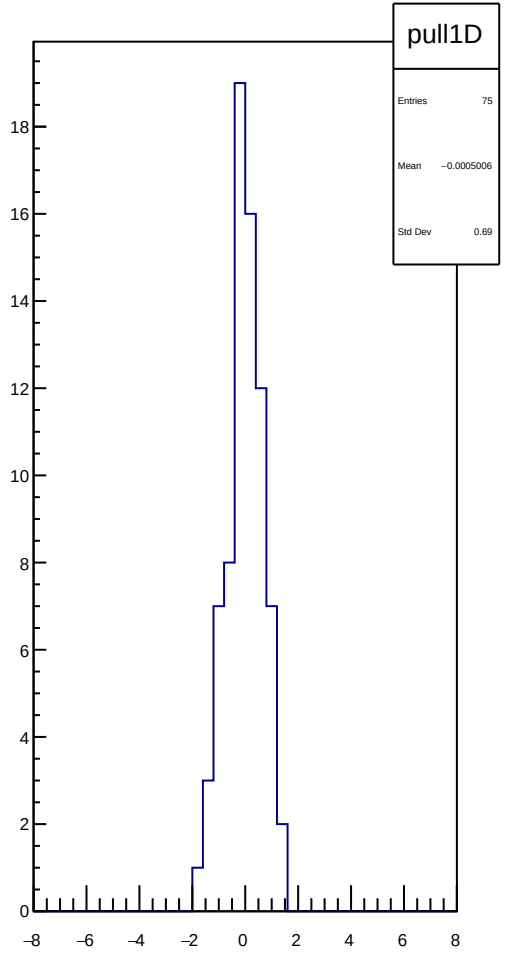

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.78 / 74
p0 −71.51 ± 2.077
pull
Entries 75
Mean −7.738
Std Dev 0

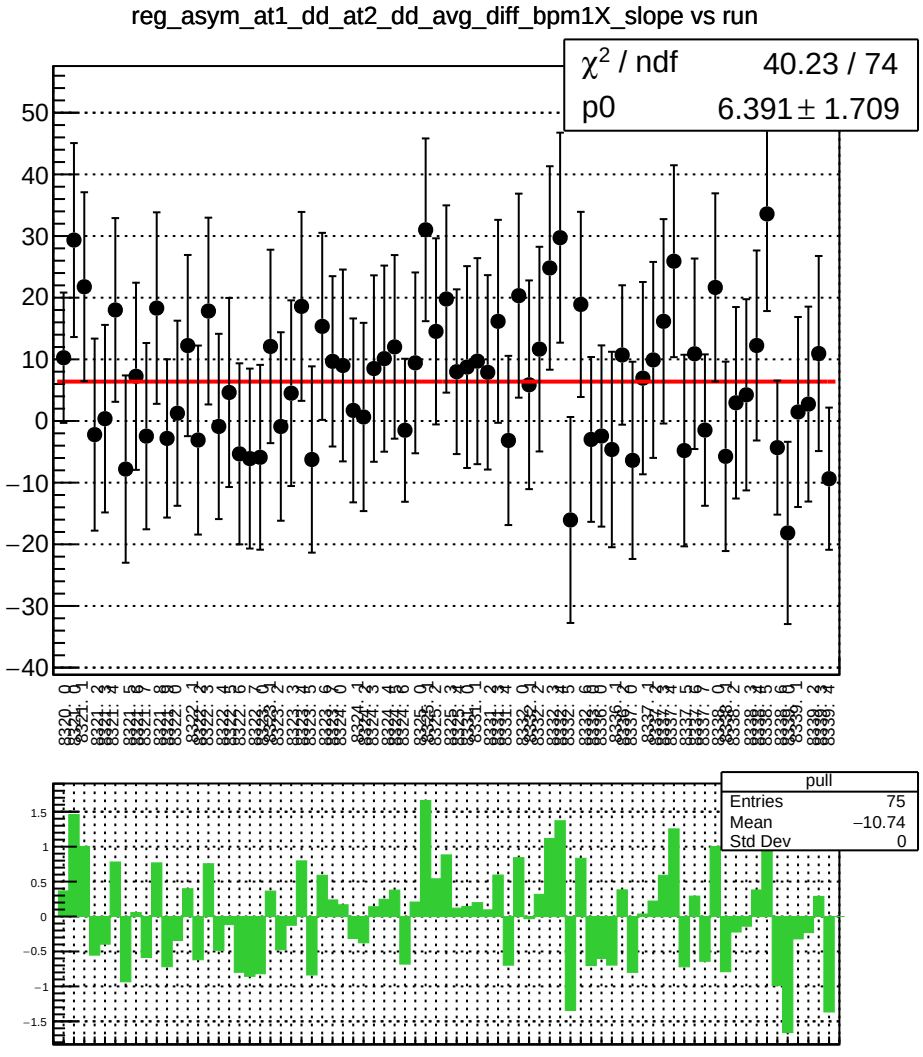

pull1D
Entries 75
Mean −0.01298
Std Dev 0.6085

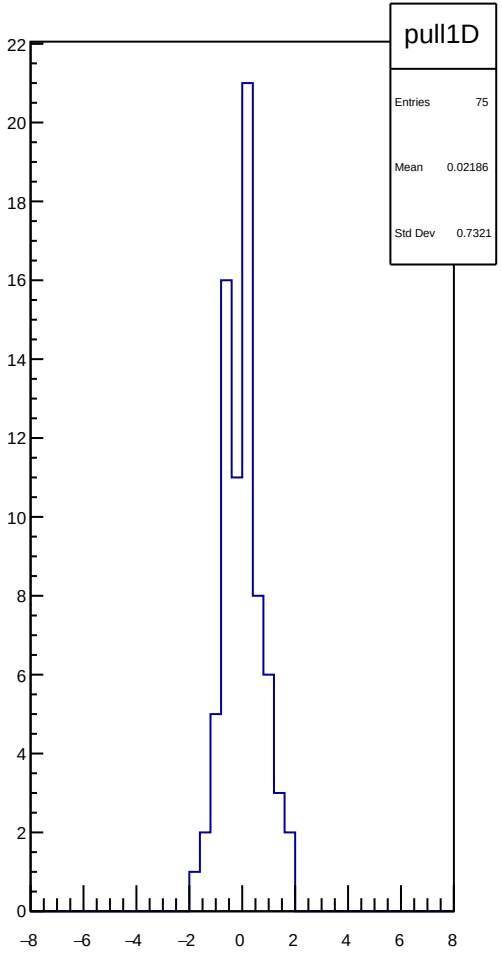

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.6 / 74
p0 −1.813 ± 3.621
pull
Entries 75
Mean −6.83
Std Dev 0

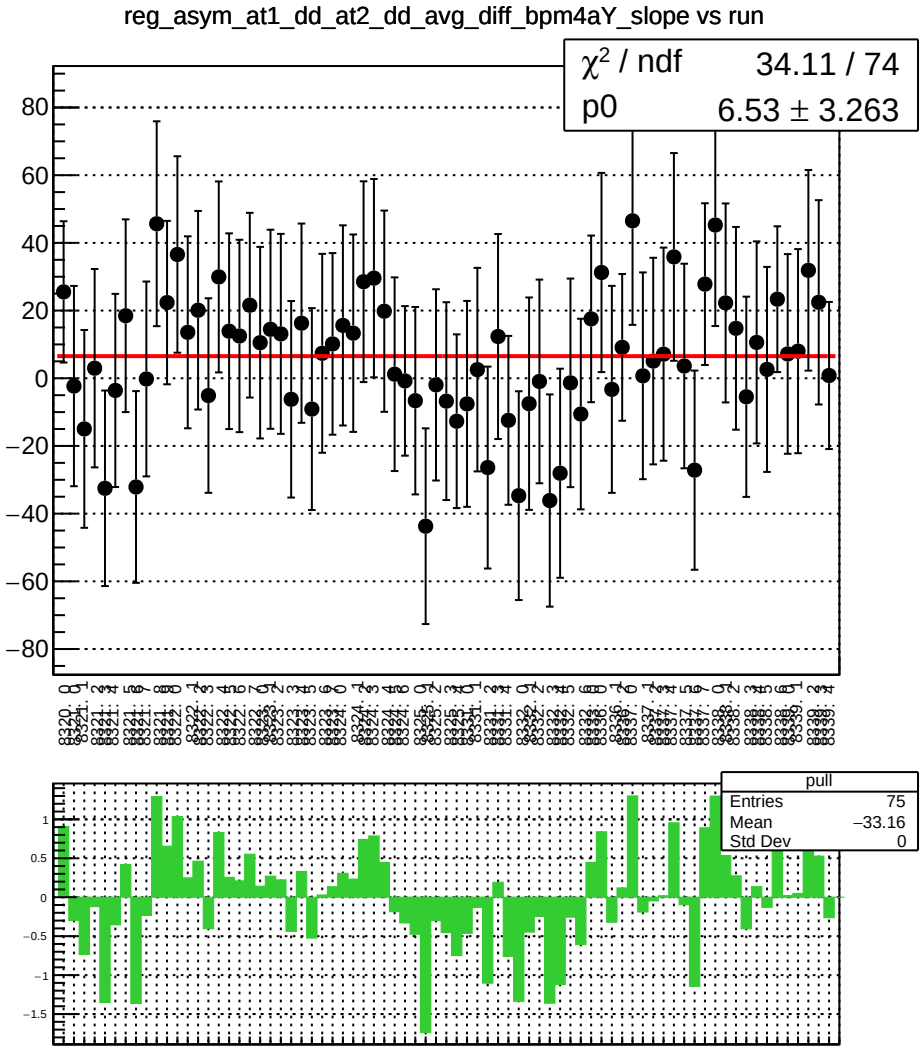

pull1D
Entries 75
Mean 0.02017
Std Dev 0.5485

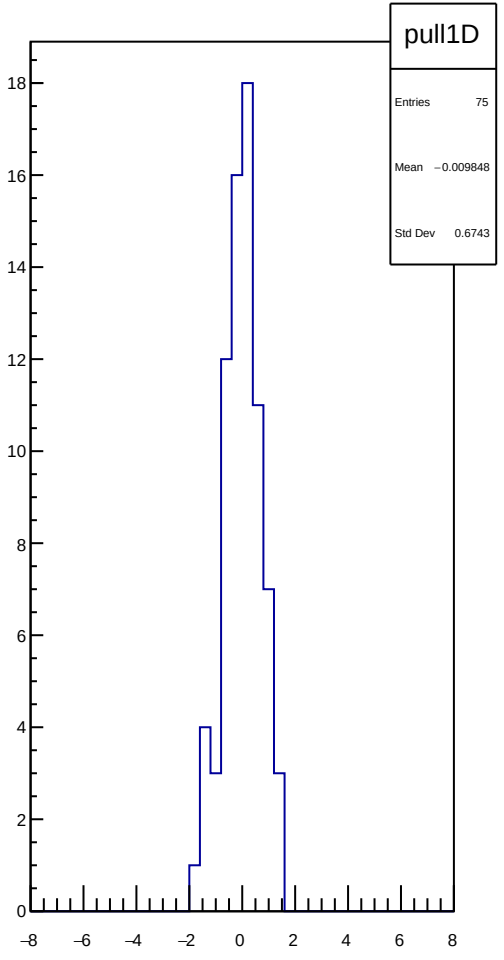

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 35.7 / 74
p0 26.26 ± 0.2021
30
28
26
24
22
pull
Entries 75
Mean −1.276e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

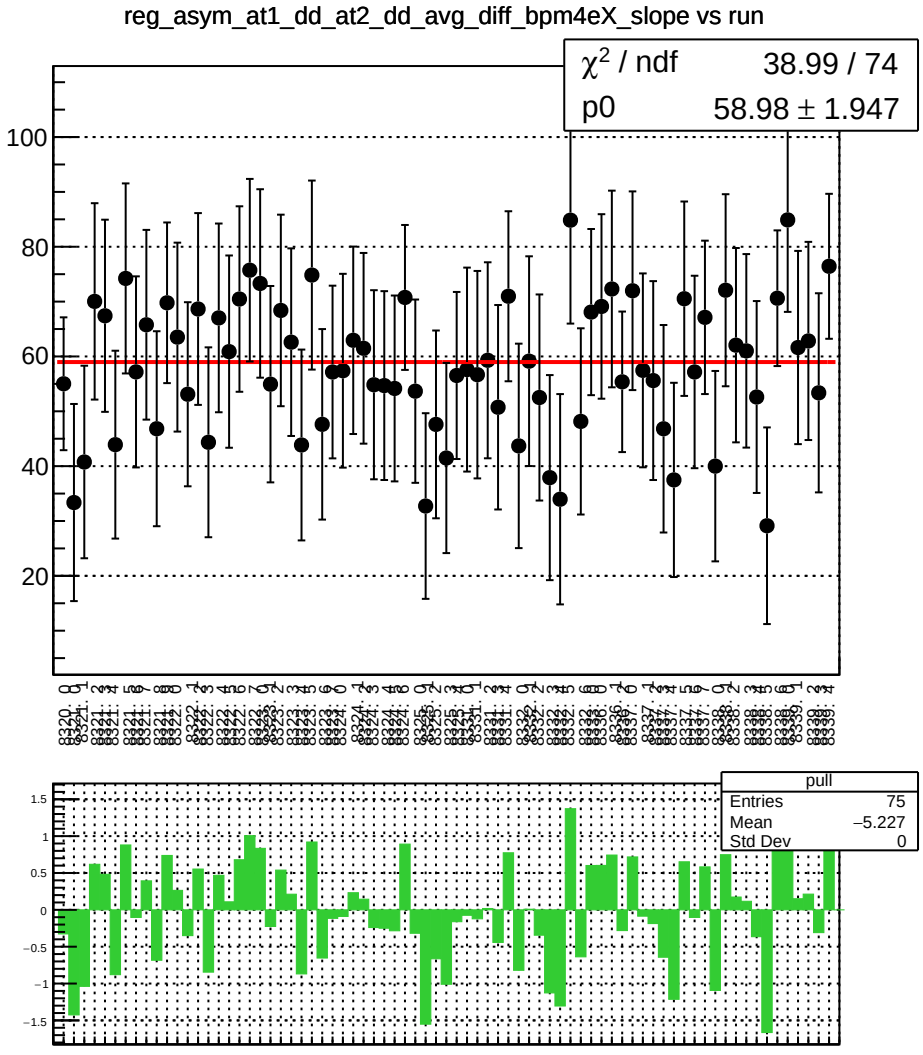

pull1D
Entries 75
Mean −0.0005006
Std Dev 0.69
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

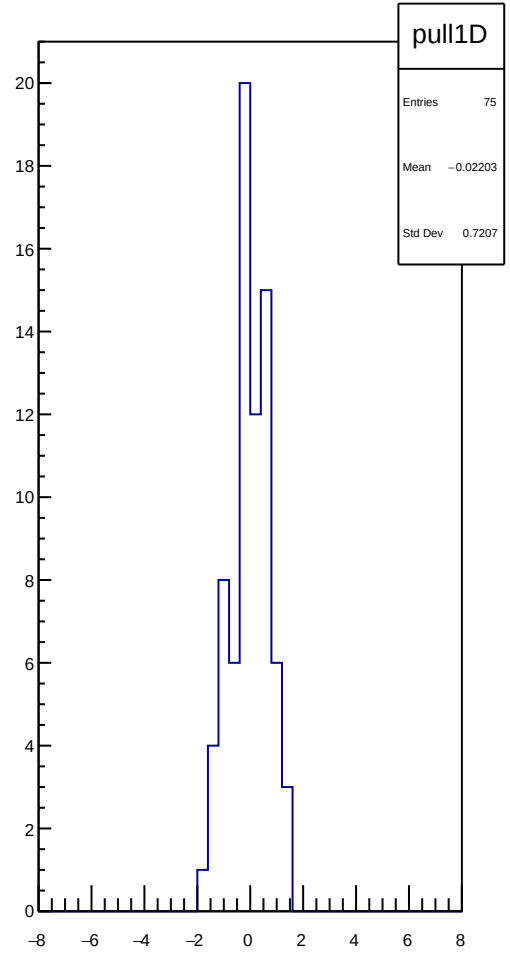

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 40.23 / 74
p0 6.391 ± 1.709
pull
Entries 75
Mean −10.74
Std Dev 0

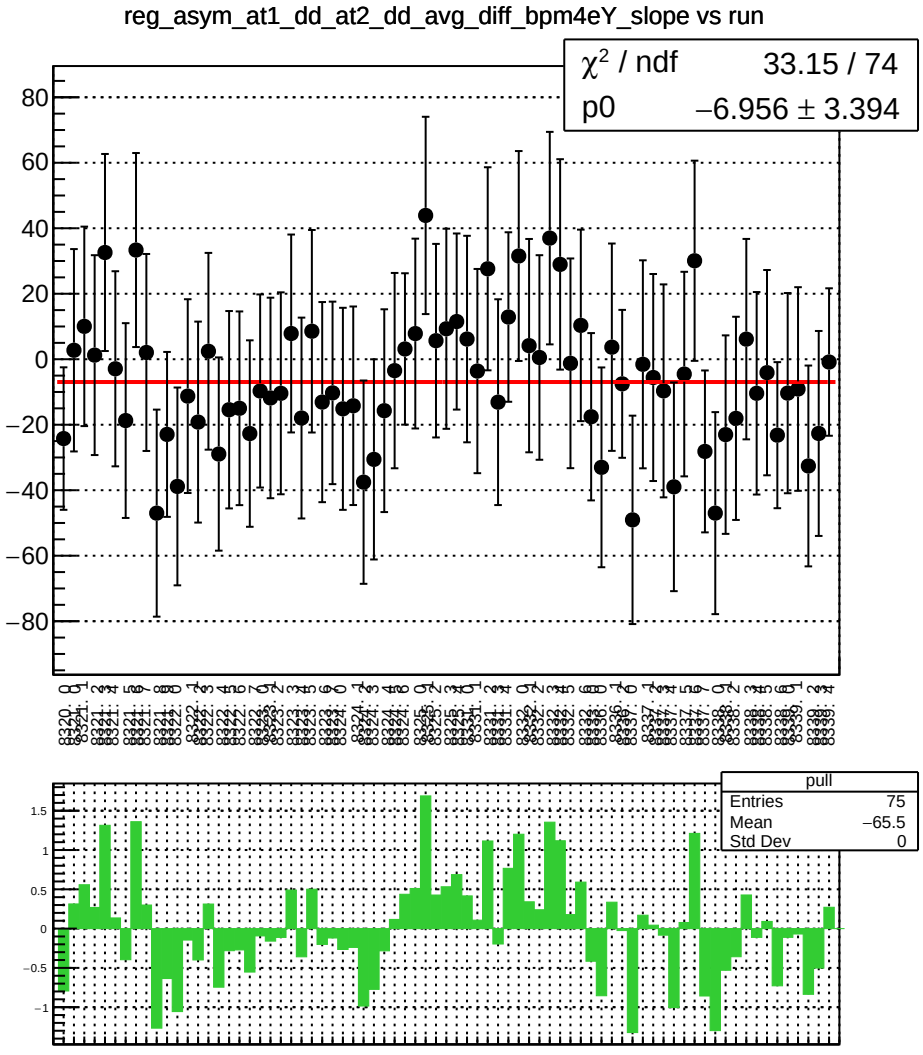

pull1D
Entries 75
Mean 0.02186
Std Dev 0.7321

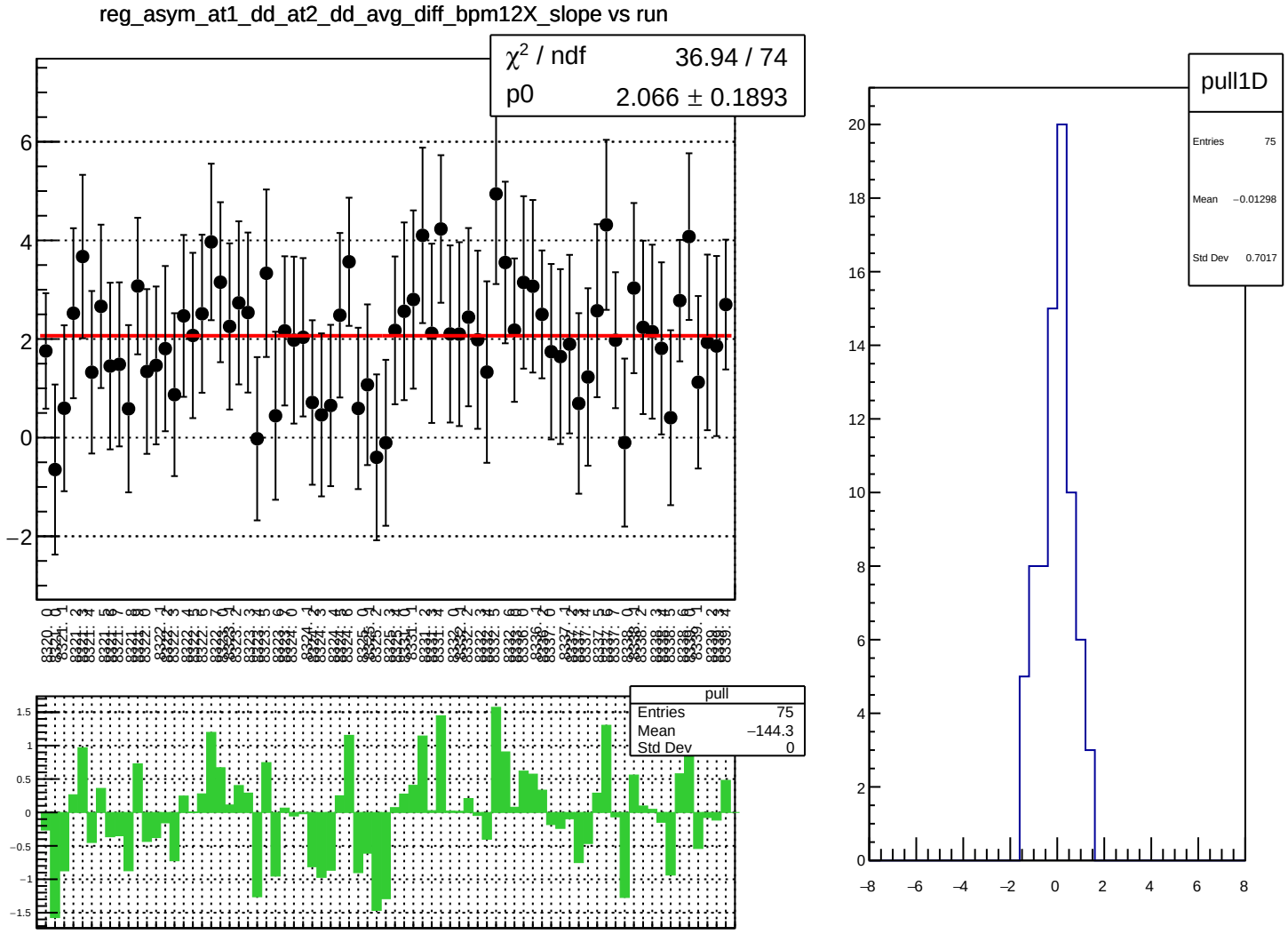

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.11 / 74
p0 6.53 ± 3.263
pull
Entries 75
Mean −33.16
Std Dev 0

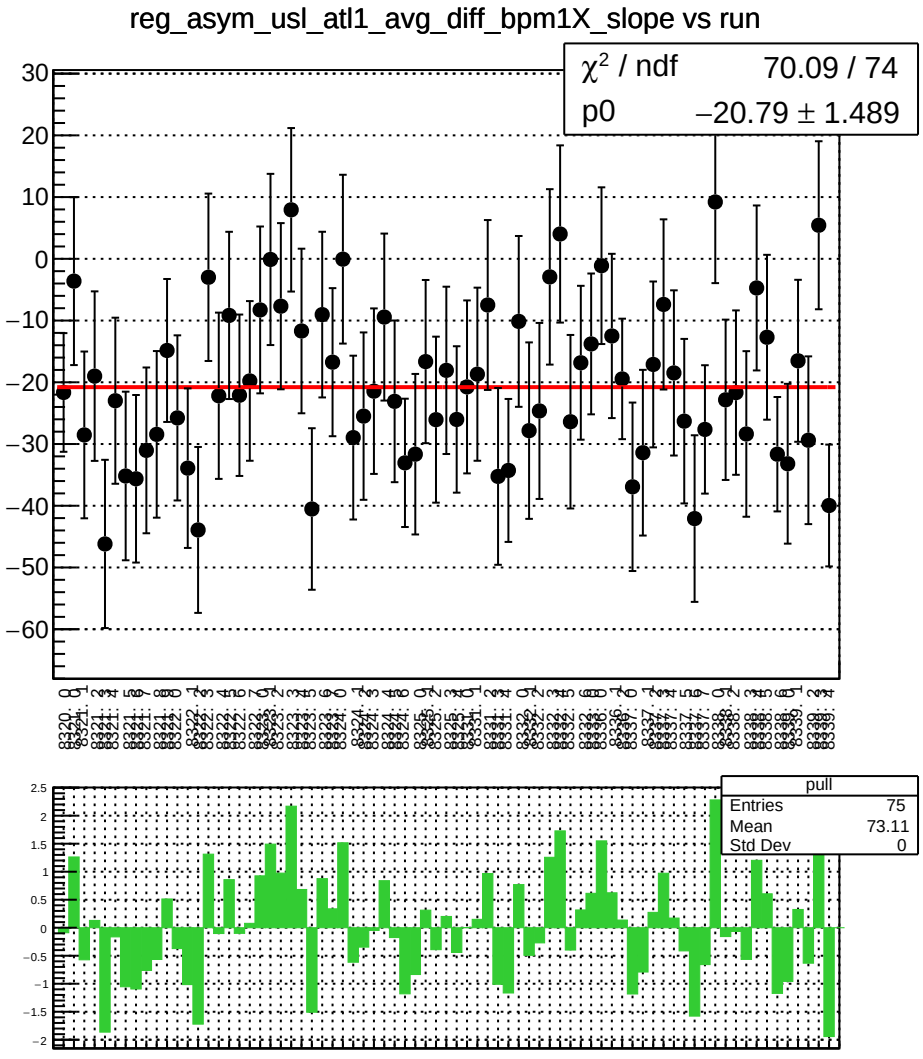

pull1D
Entries 75
Mean −0.009848
Std Dev 0.6743

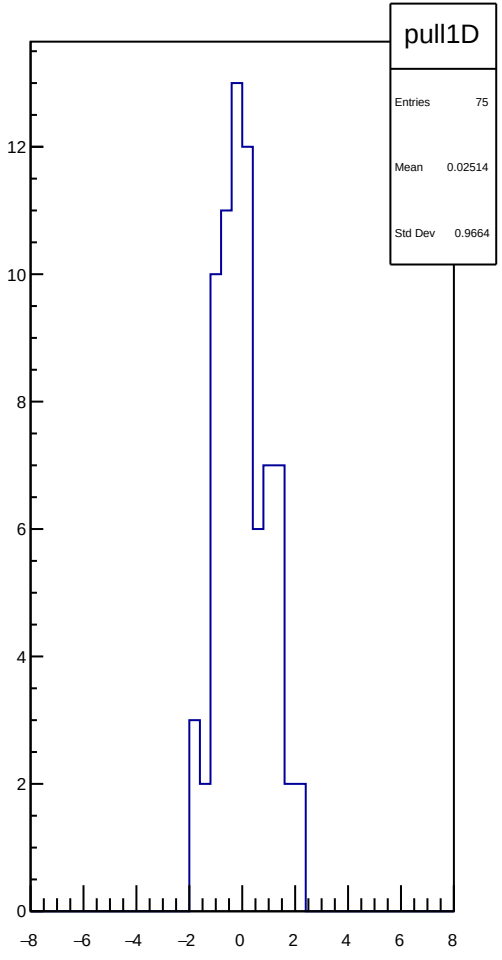

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.99 / 74
p0 58.98 ± 1.947
pull
Entries 75
Mean −5.227
Std Dev 0

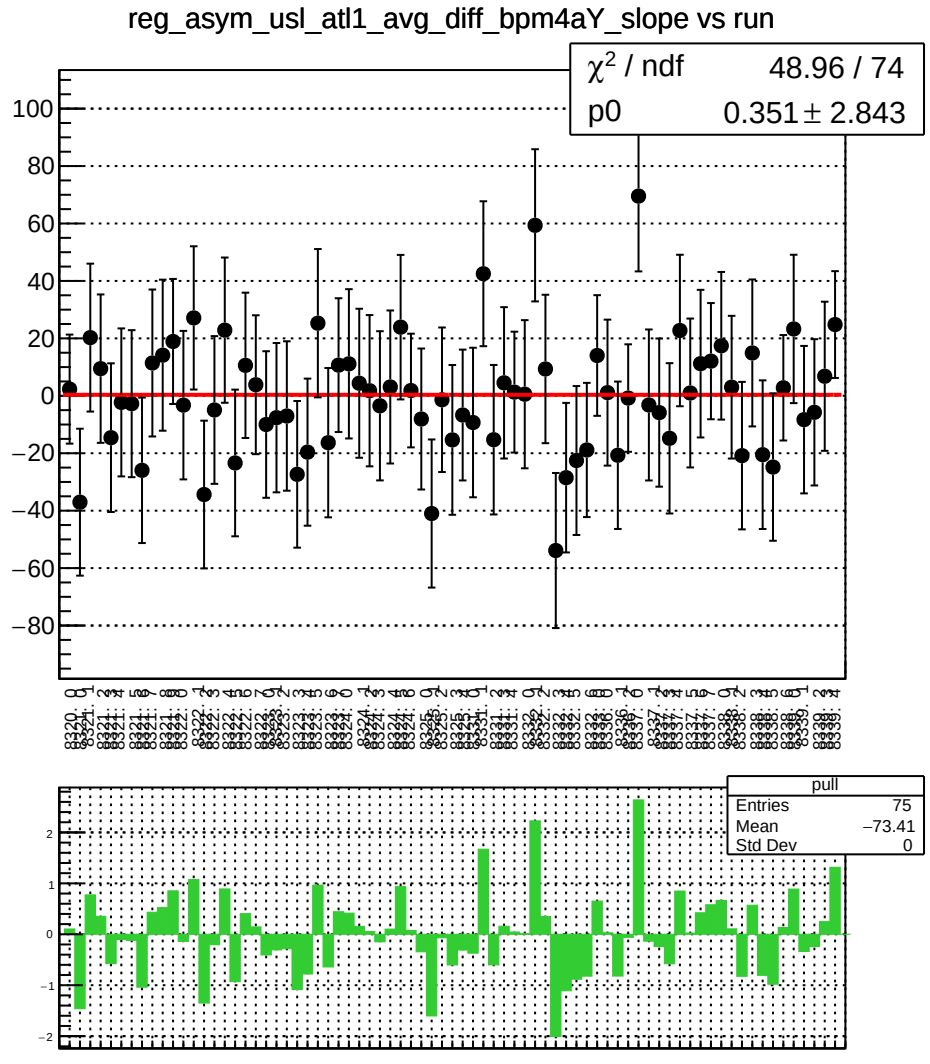

pull1D
Entries 75
Mean −0.02203
Std Dev 0.7207

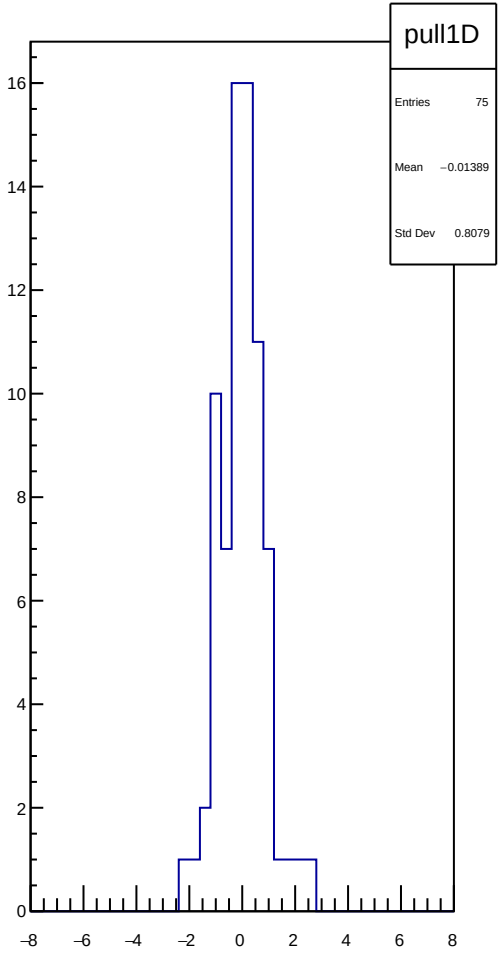

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.15 / 74
p0 −6.956 ± 3.394
pull
Entries 75
Mean −65.5
Std Dev 0
pull1D
Entries 75
Mean 0.00774
Std Dev 0.6647

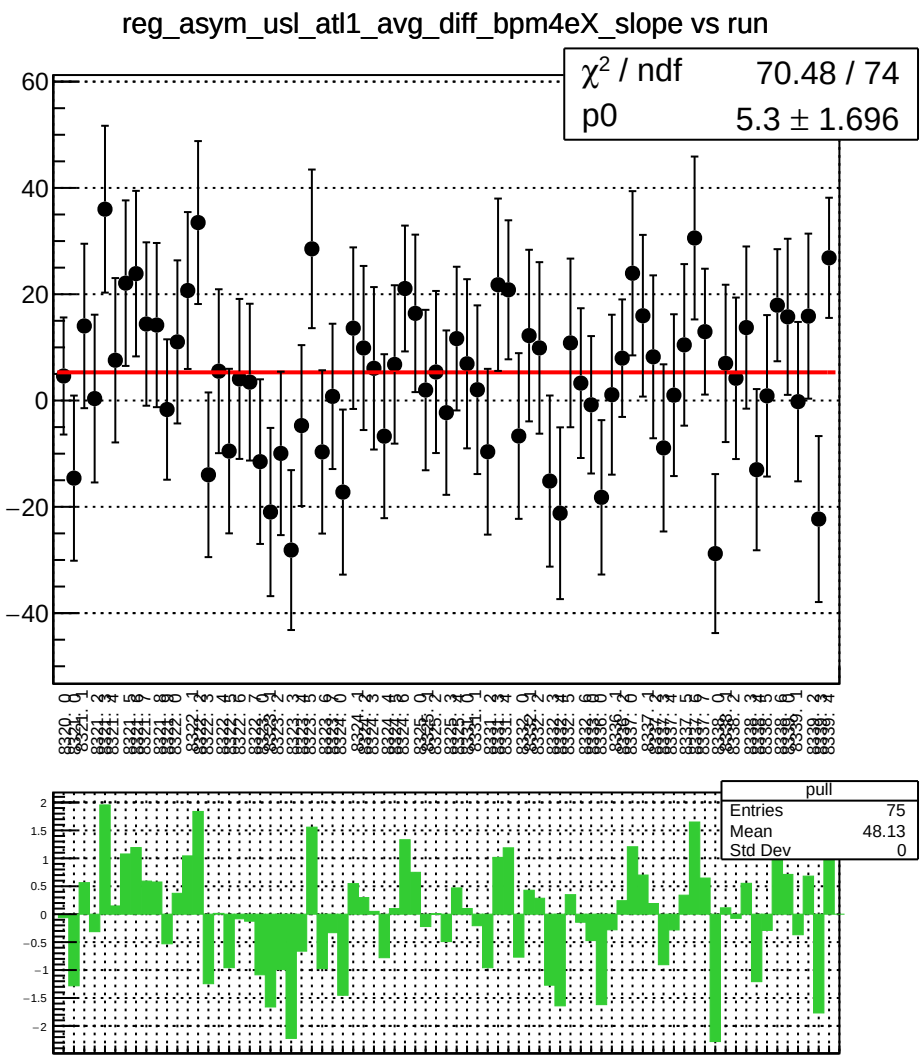

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 36.94 / 74
p0 2.066 ± 0.1893
pull
Entries 75
Mean −144.3
Std Dev 0
pull1D
Entries 75
Mean −0.01298
Std Dev 0.7017

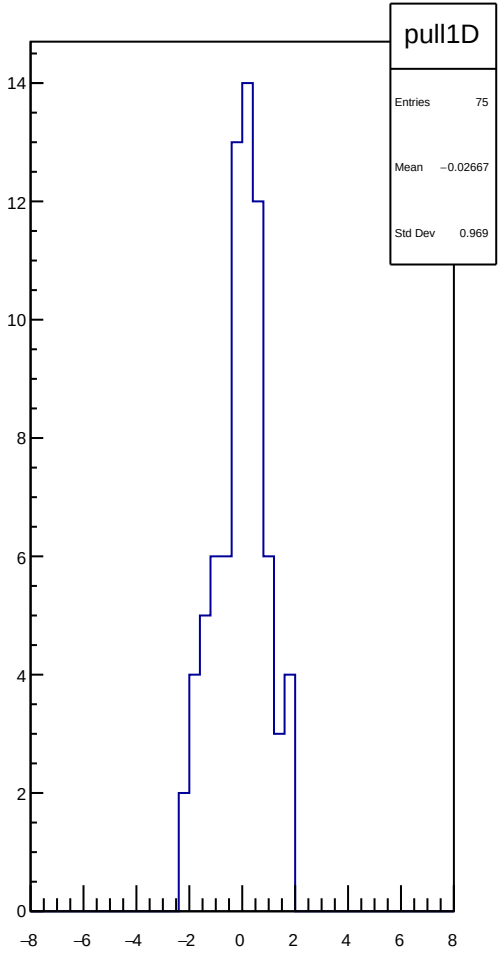

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 70.09 / 74
p0 −20.79 ± 1.489
pull
Entries 75
Mean 73.11
Std Dev 0

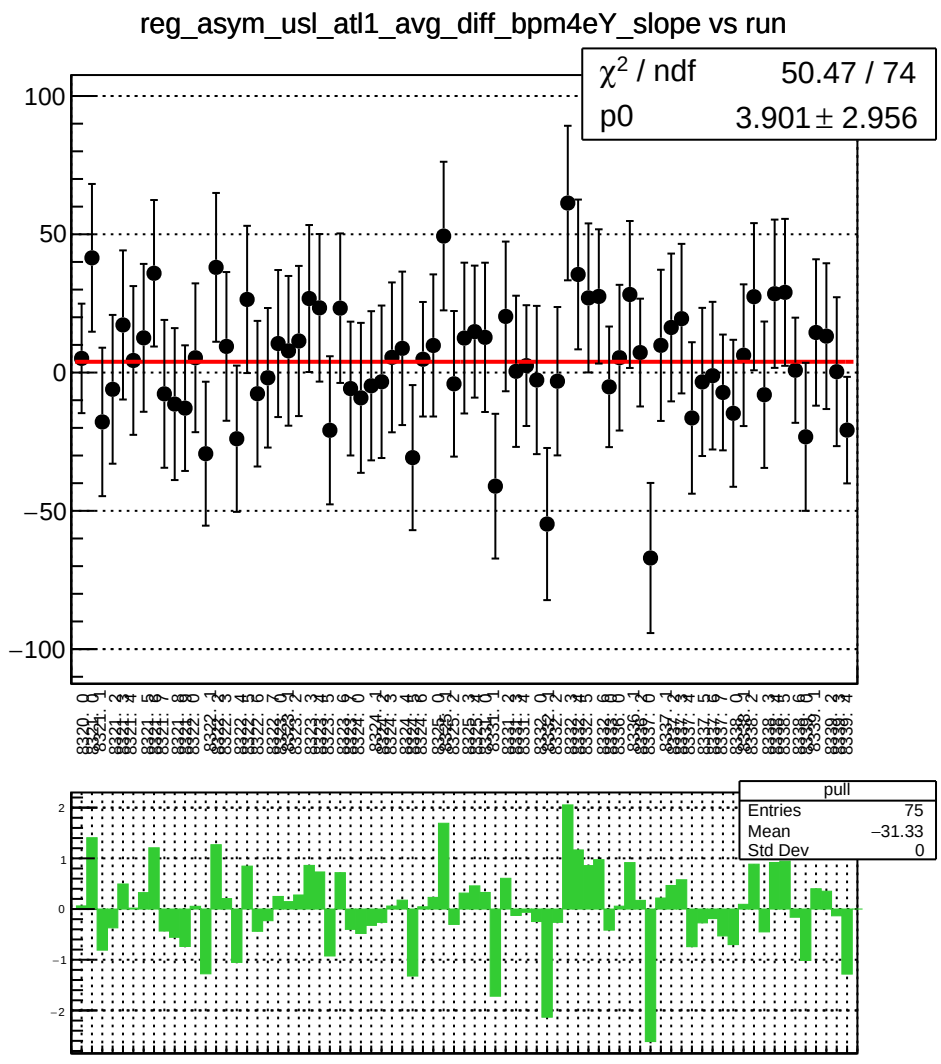

pull1D
Entries 75
Mean 0.02514
Std Dev 0.9664

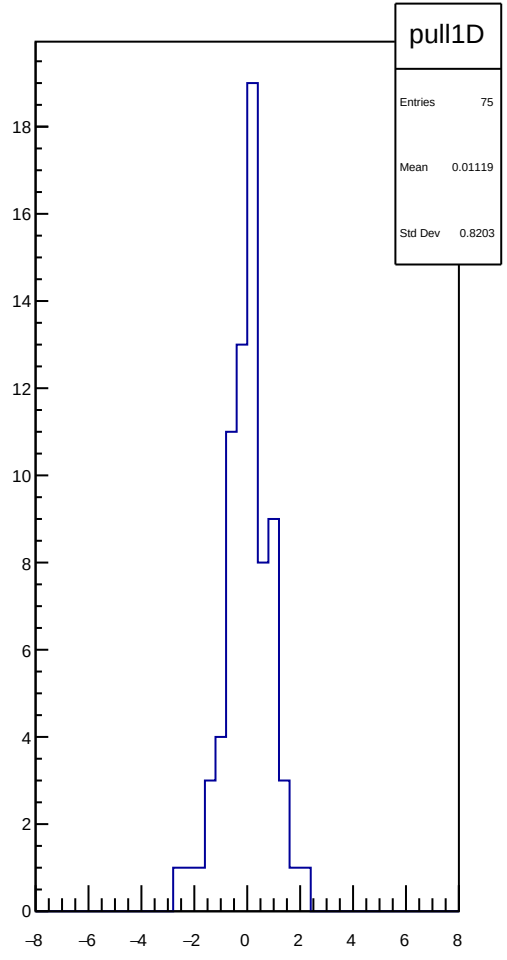

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.96 / 74
p0 0.351 ± 2.843
pull
Entries 75
Mean −73.41
Std Dev 0

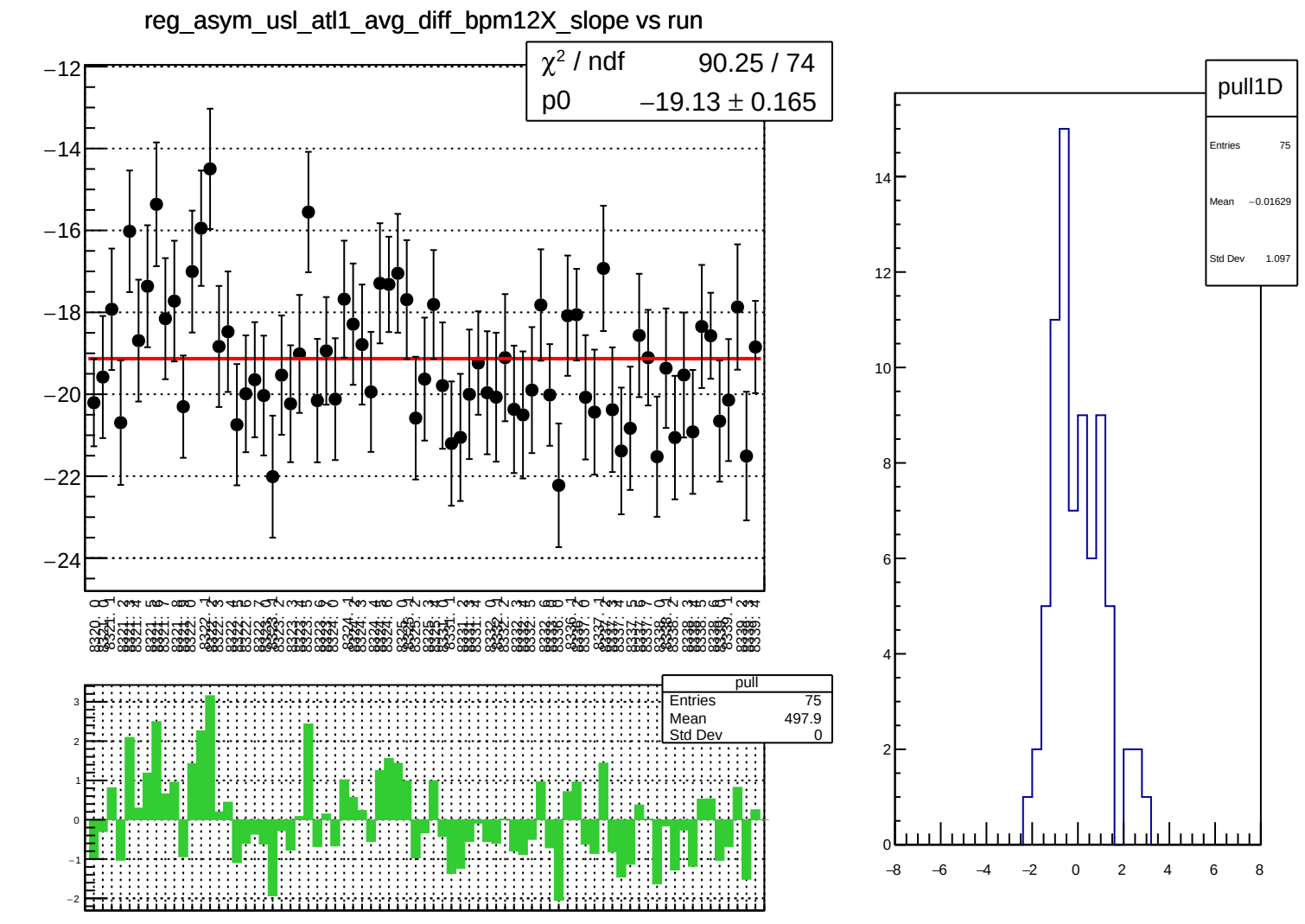

pull1D
Entries 75
Mean −0.01389
Std Dev 0.8079

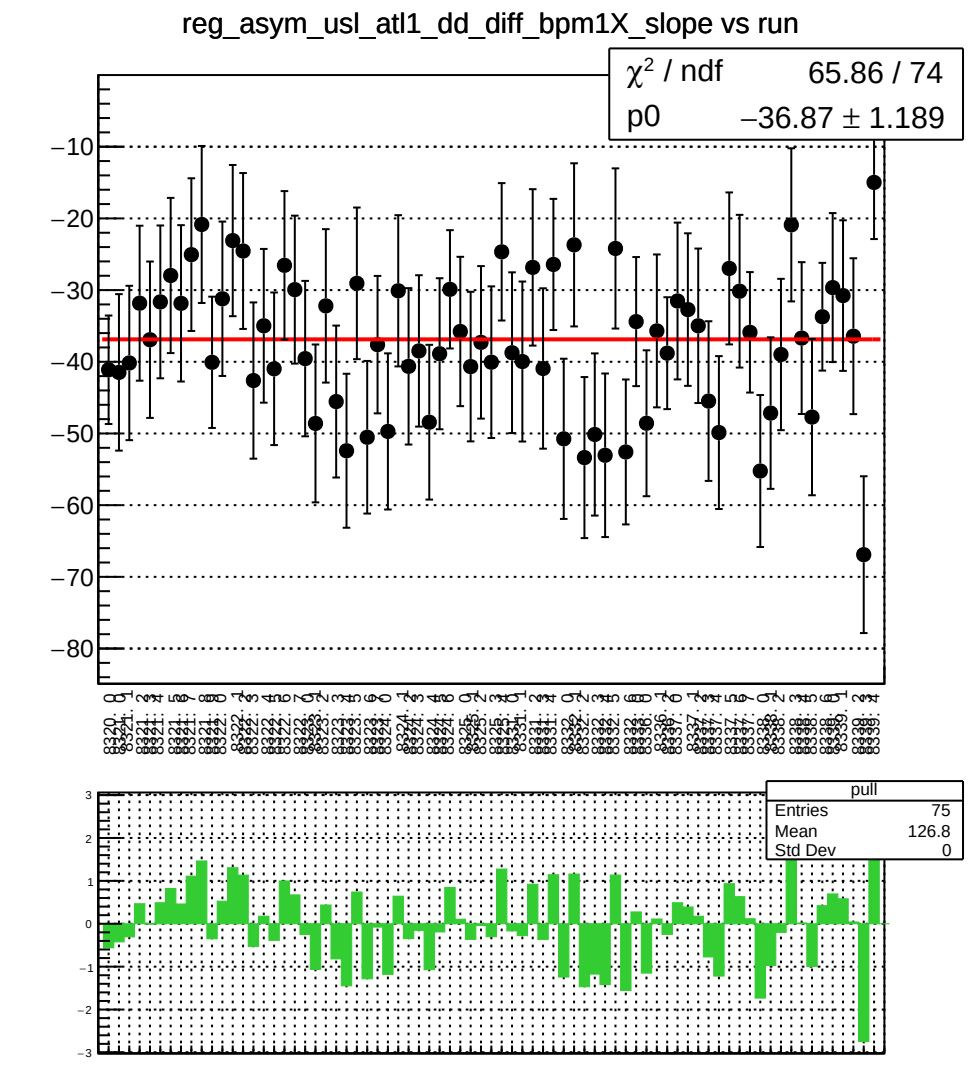

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.48 / 74
p0 5.3 ± 1.696
pull
Entries 75
Mean 48.13
Std Dev 0

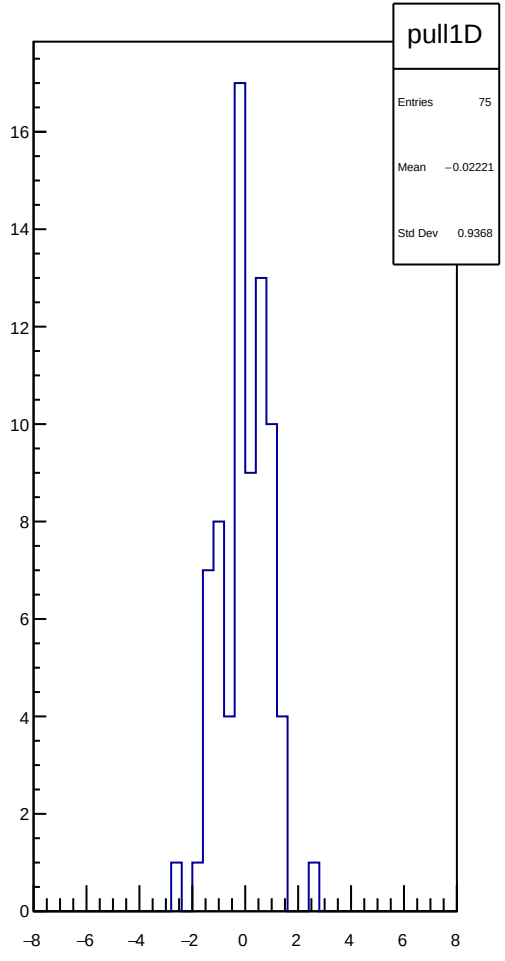

pull1D
Entries 75
Mean −0.02667
Std Dev 0.969

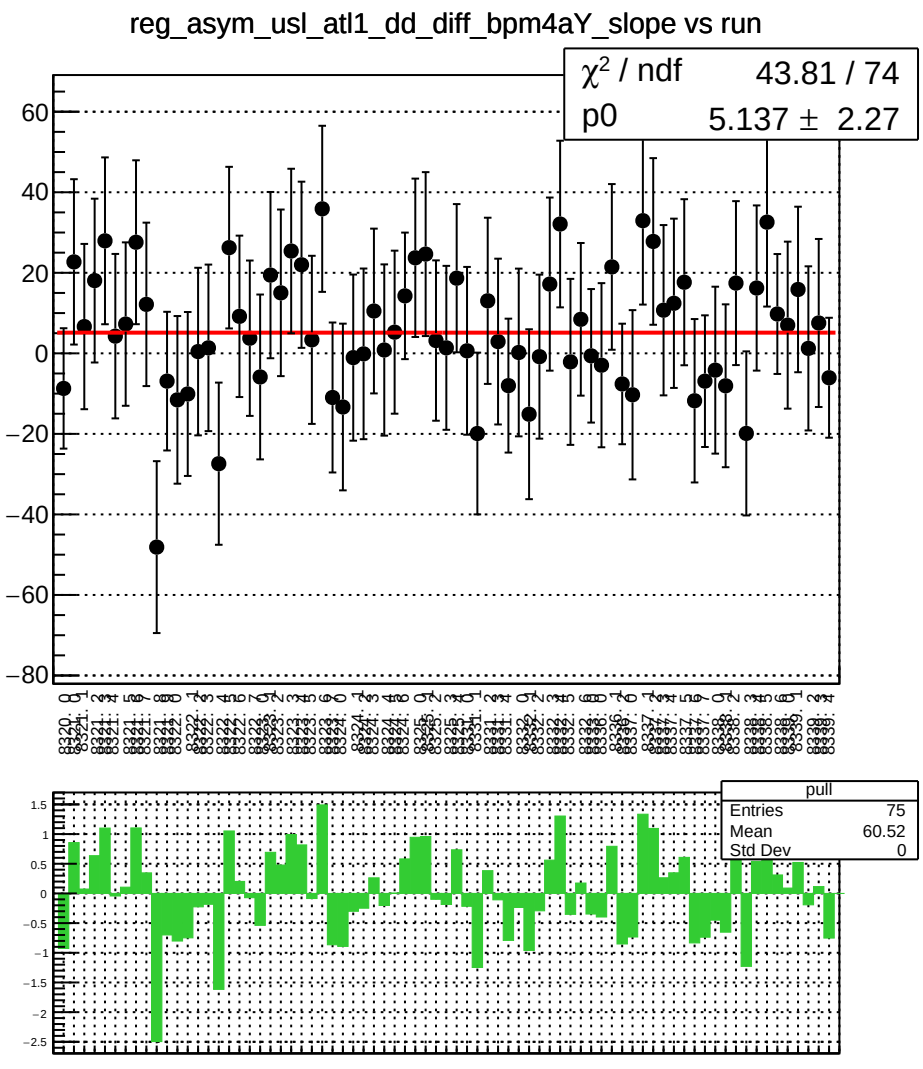

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.47 / 74
p0 3.901 ± 2.956
100
50
0
−50
−100
pull
Entries 75
Mean −31.33
Std Dev 0
2
1
0
−1
−2

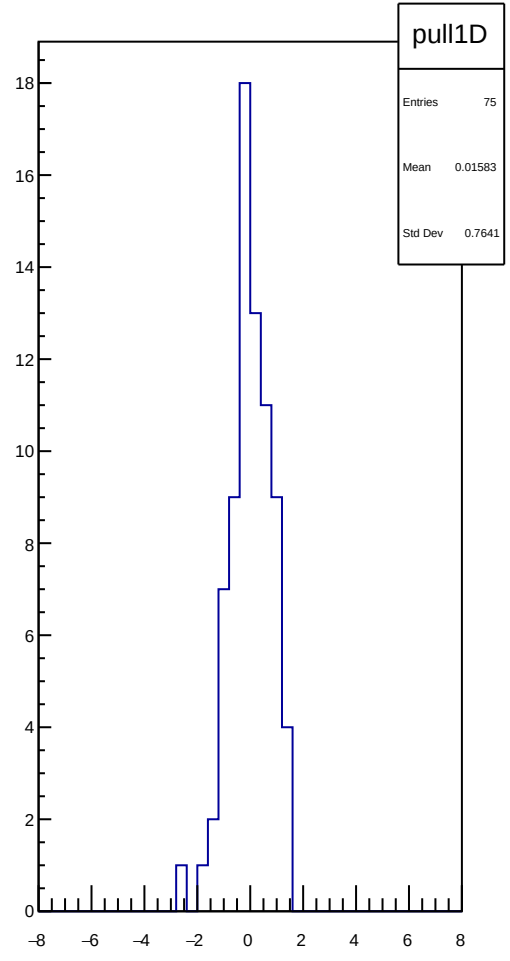

pull1D
Entries 75
Mean 0.01119
Std Dev 0.8203
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

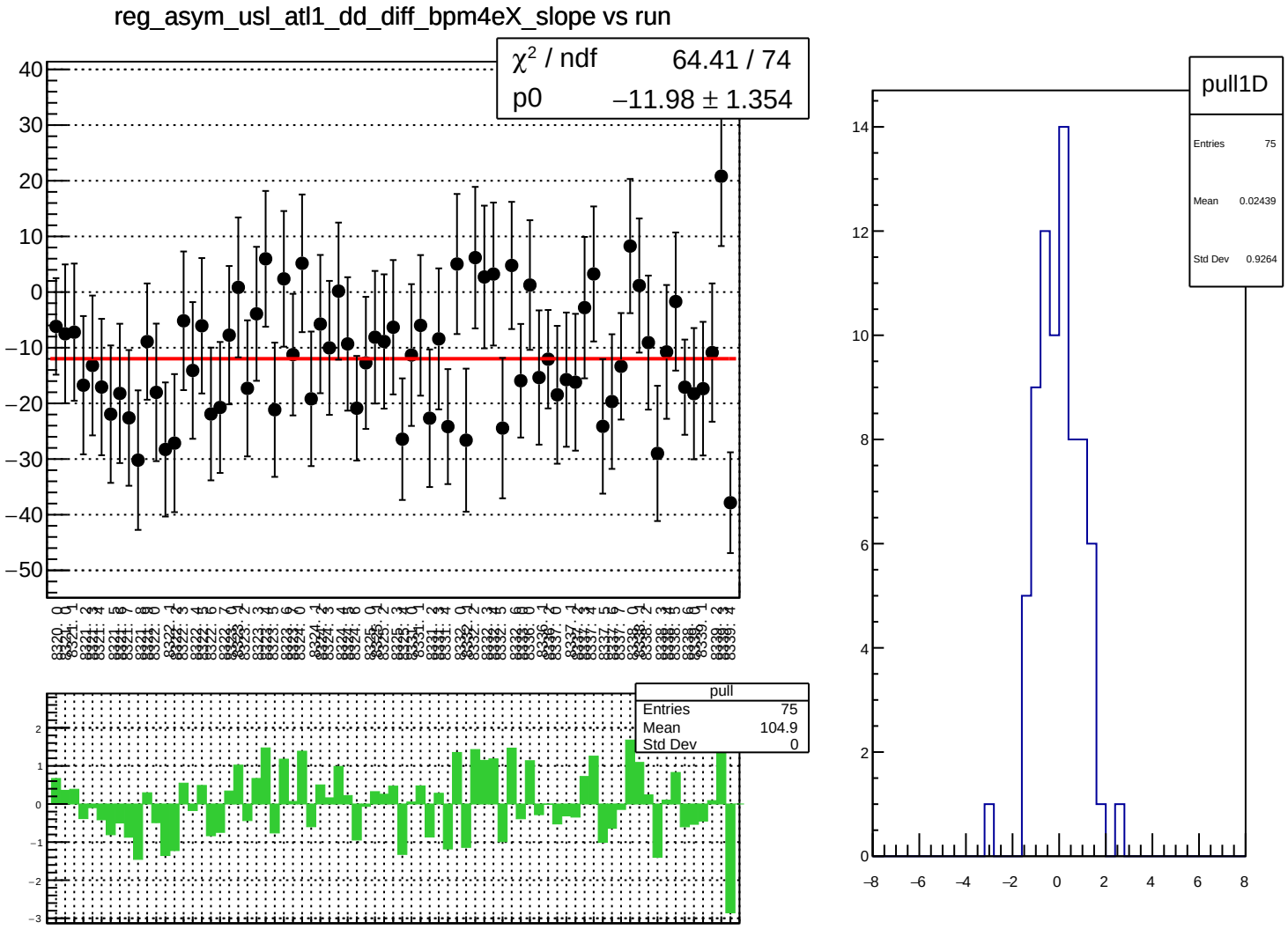

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 90.25 / 74
p0 −19.13 ± 0.165
pull
Entries 75
Mean 497.9
Std Dev 0
pull1D
Entries 75
Mean −0.01629
Std Dev 1.097

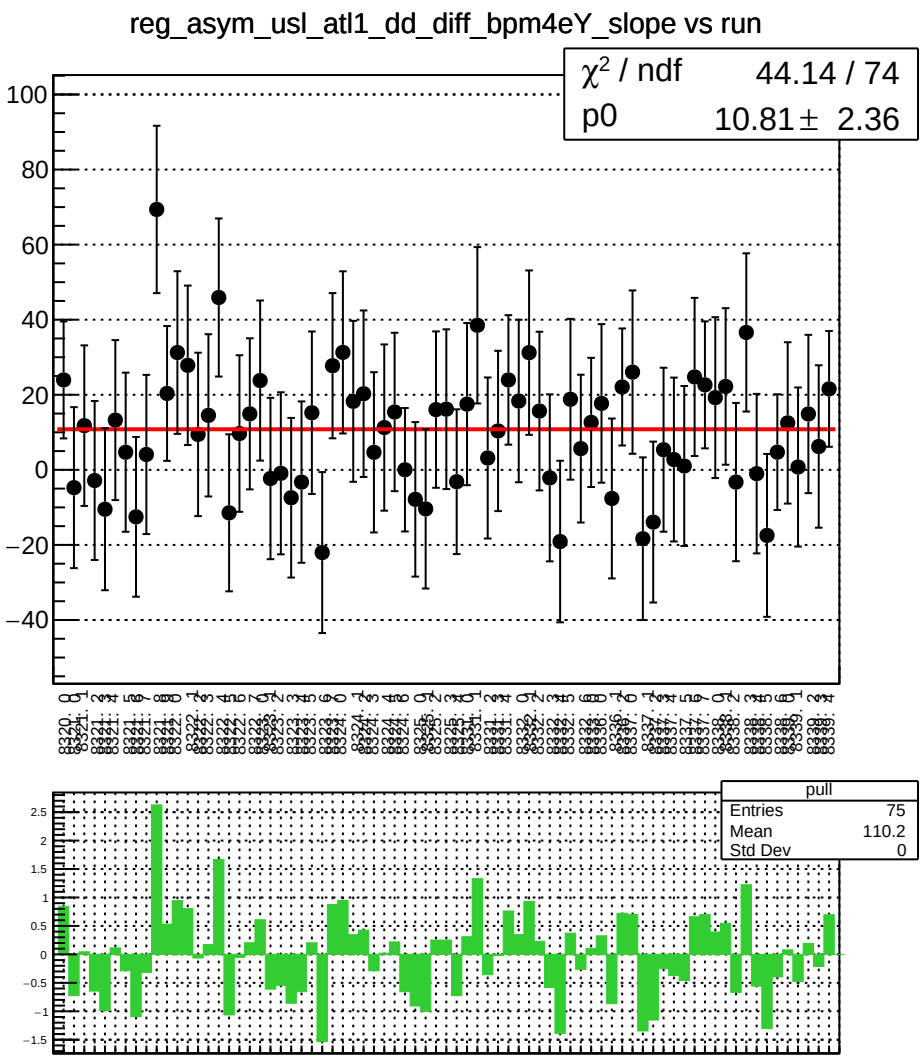

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 65.86 / 74
p0 −36.87 ± 1.189
pull
Entries 75
Mean 126.8
Std Dev 0

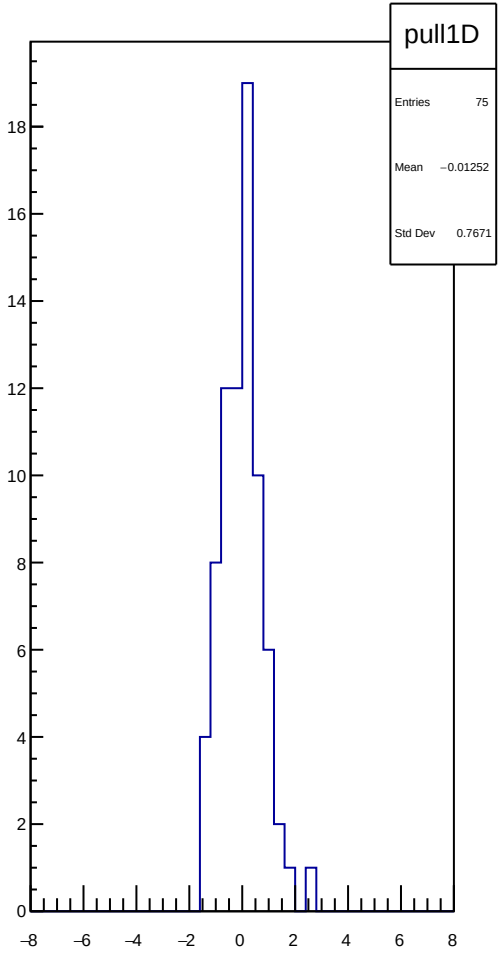

pull1D
Entries 75
Mean −0.02221
Std Dev 0.9368

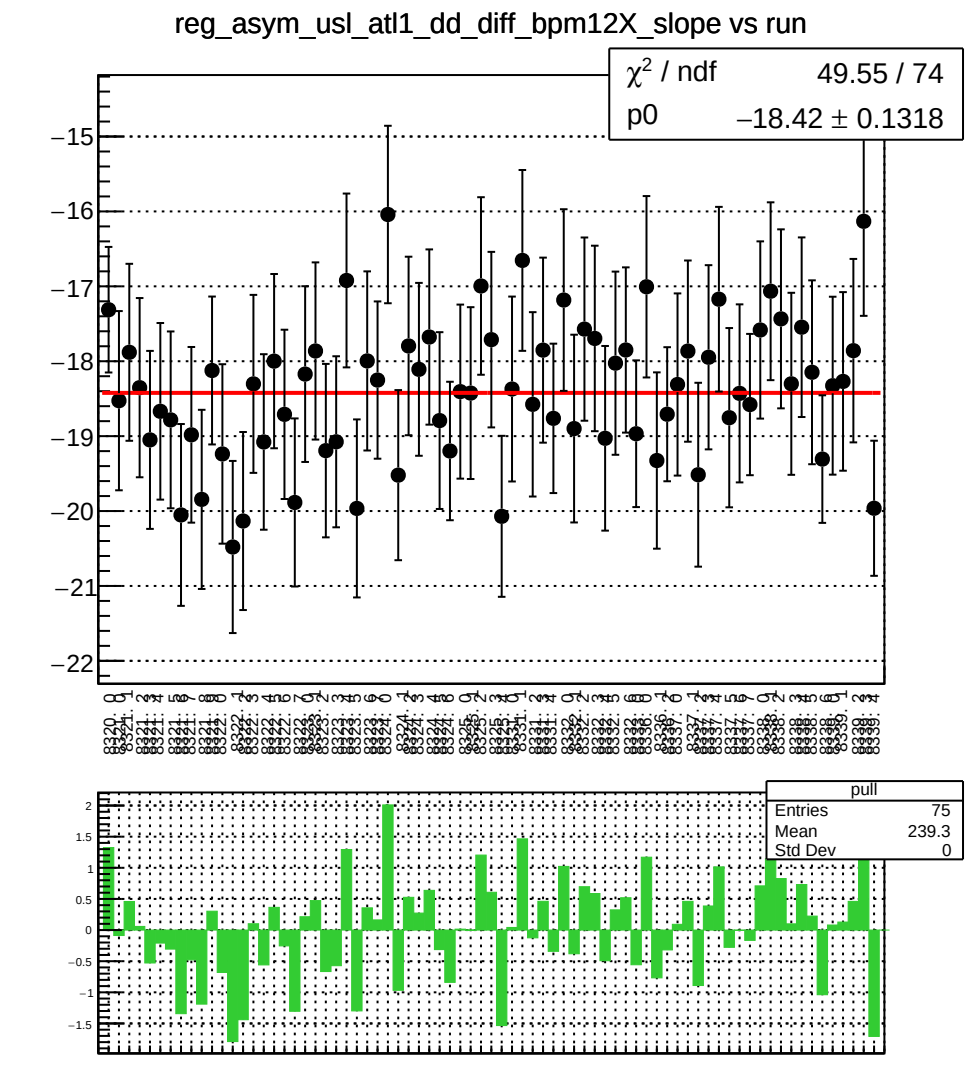

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.81 / 74
p0 5.137 ± 2.27
pull
Entries 75
Mean 60.52
Std Dev 0

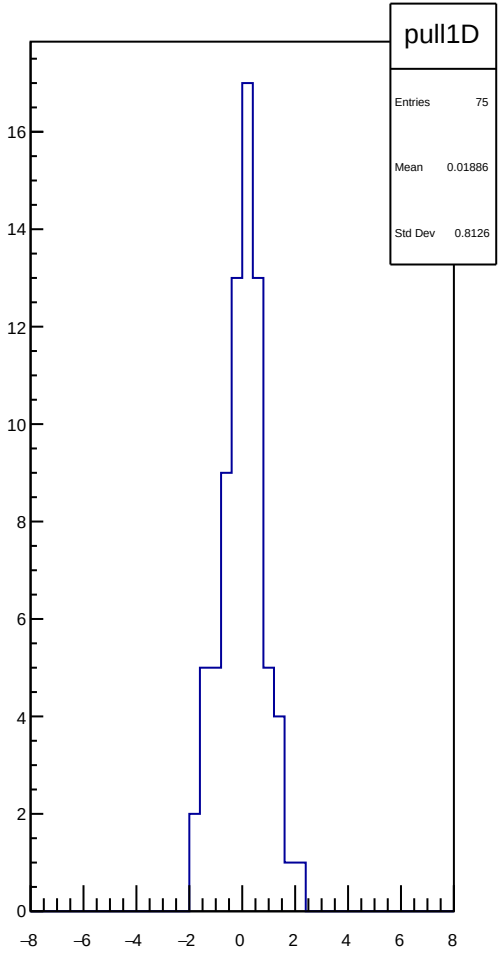

pull1D
Entries 75
Mean 0.01583
Std Dev 0.7641

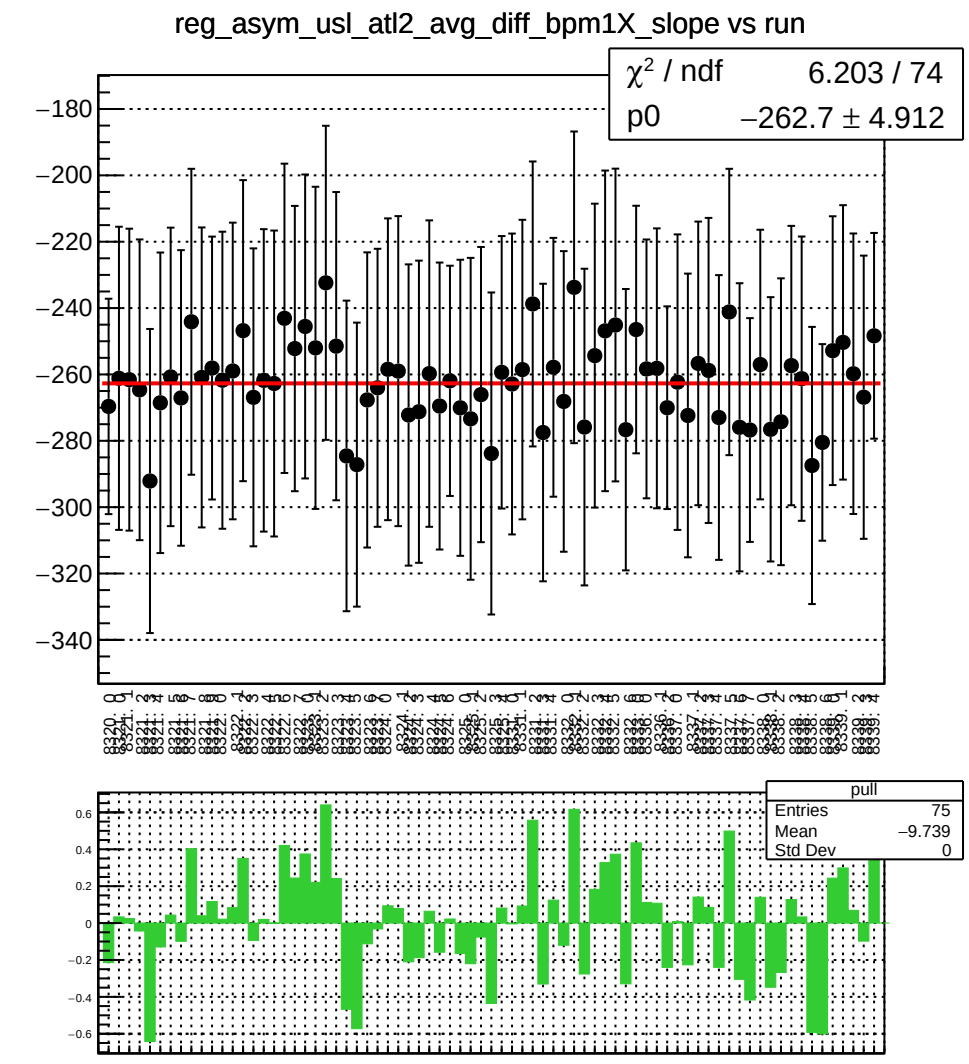

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.41 / 74
p0 −11.98 ± 1.354
pull
Entries 75
Mean 104.9
Std Dev 0
pull1D
Entries 75
Mean 0.02439
Std Dev 0.9264

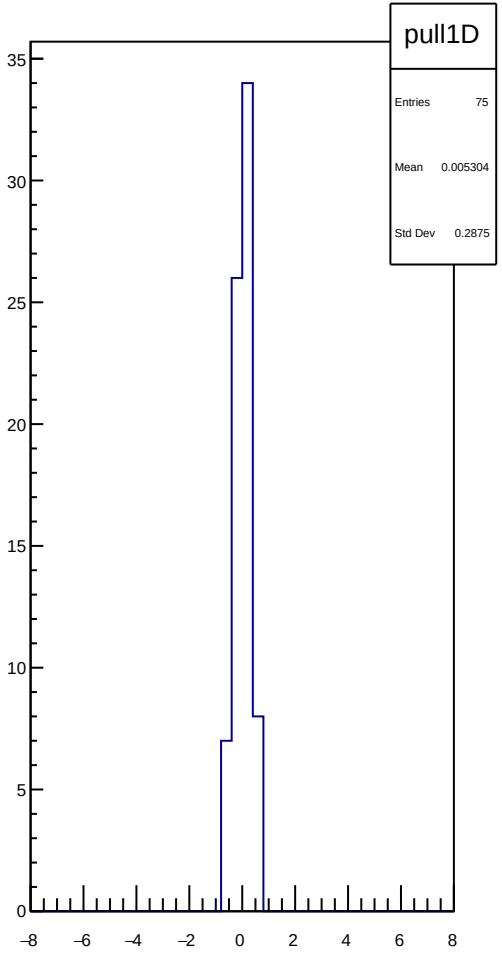

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.14 / 74
p0 10.81 ± 2.36
pull
Entries 75
Mean 110.2
Std Dev 0

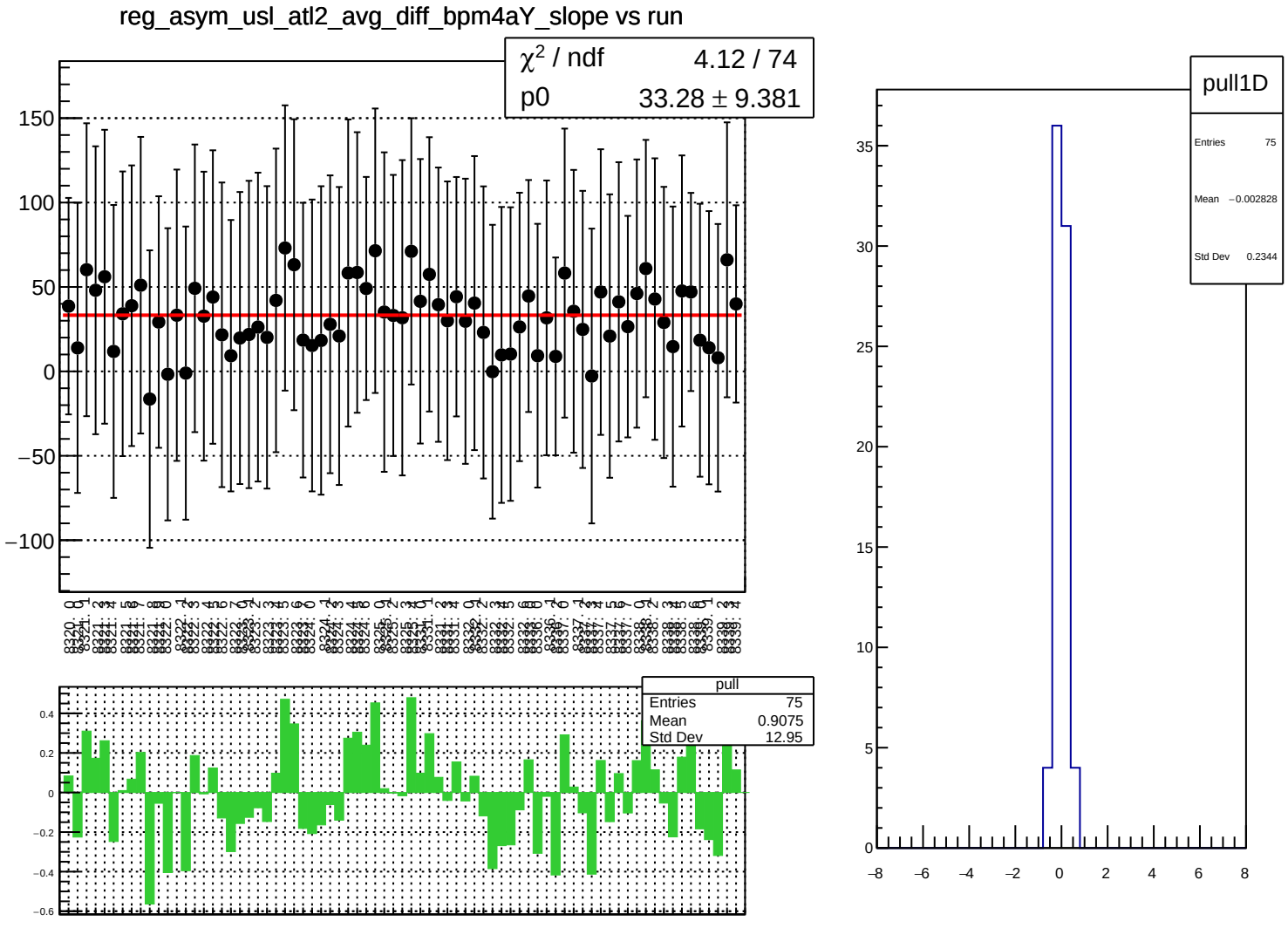

pull1D
Entries 75
Mean −0.01252
Std Dev 0.7671

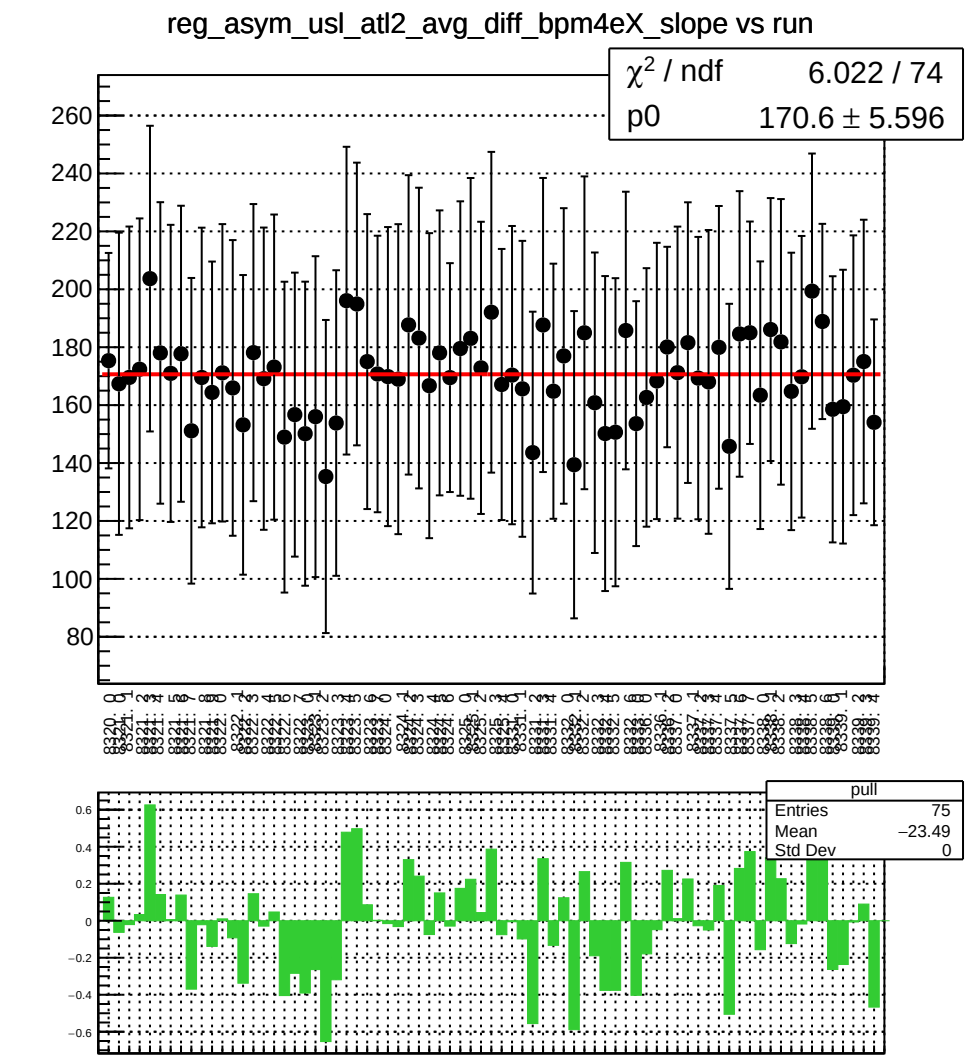

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 49.55 / 74
p0 −18.42 ± 0.1318
pull
Entries 75
Mean 239.3
Std Dev 0

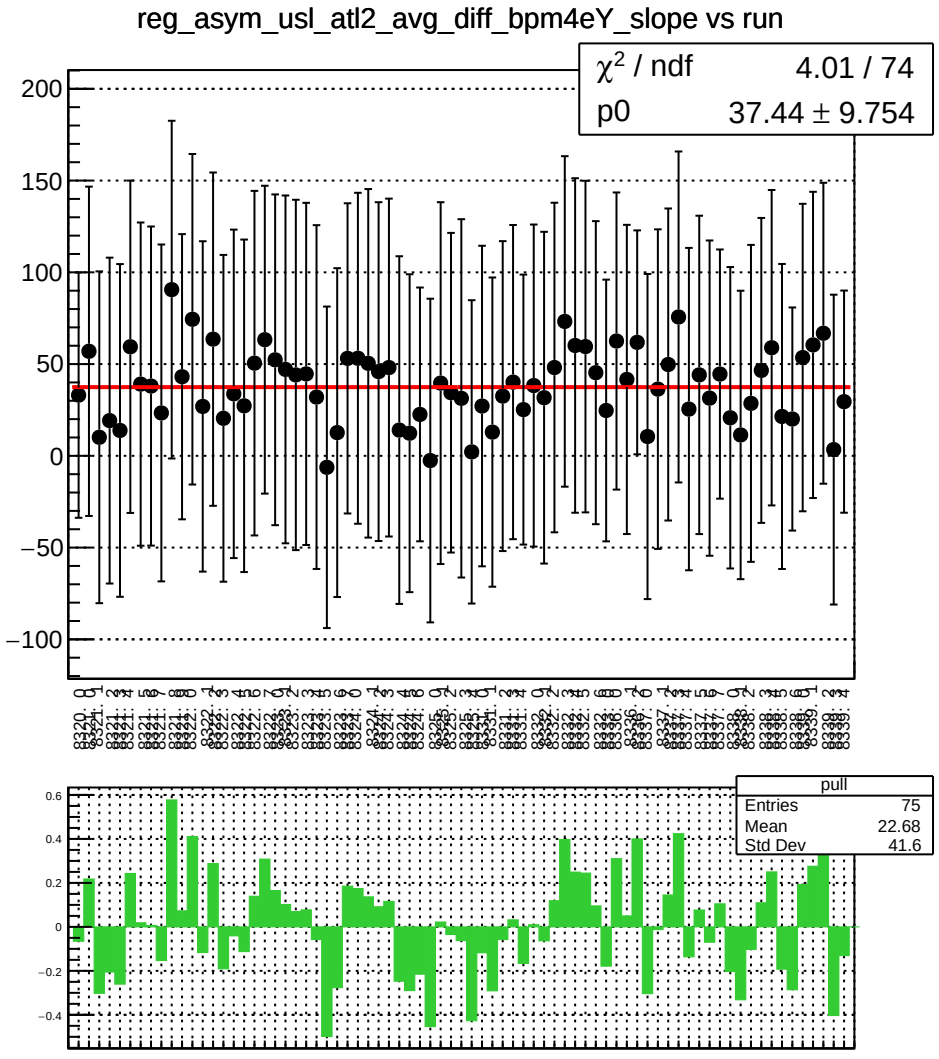

pull1D
Entries 75
Mean 0.01886
Std Dev 0.8126

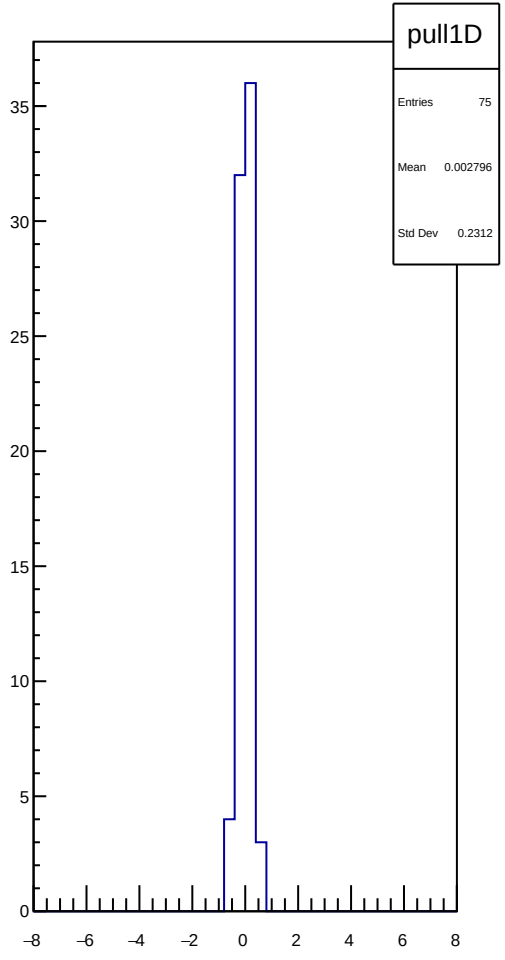

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.203 / 74
p0 −262.7 ± 4.912
pull
Entries 75
Mean −9.739
Std Dev 0

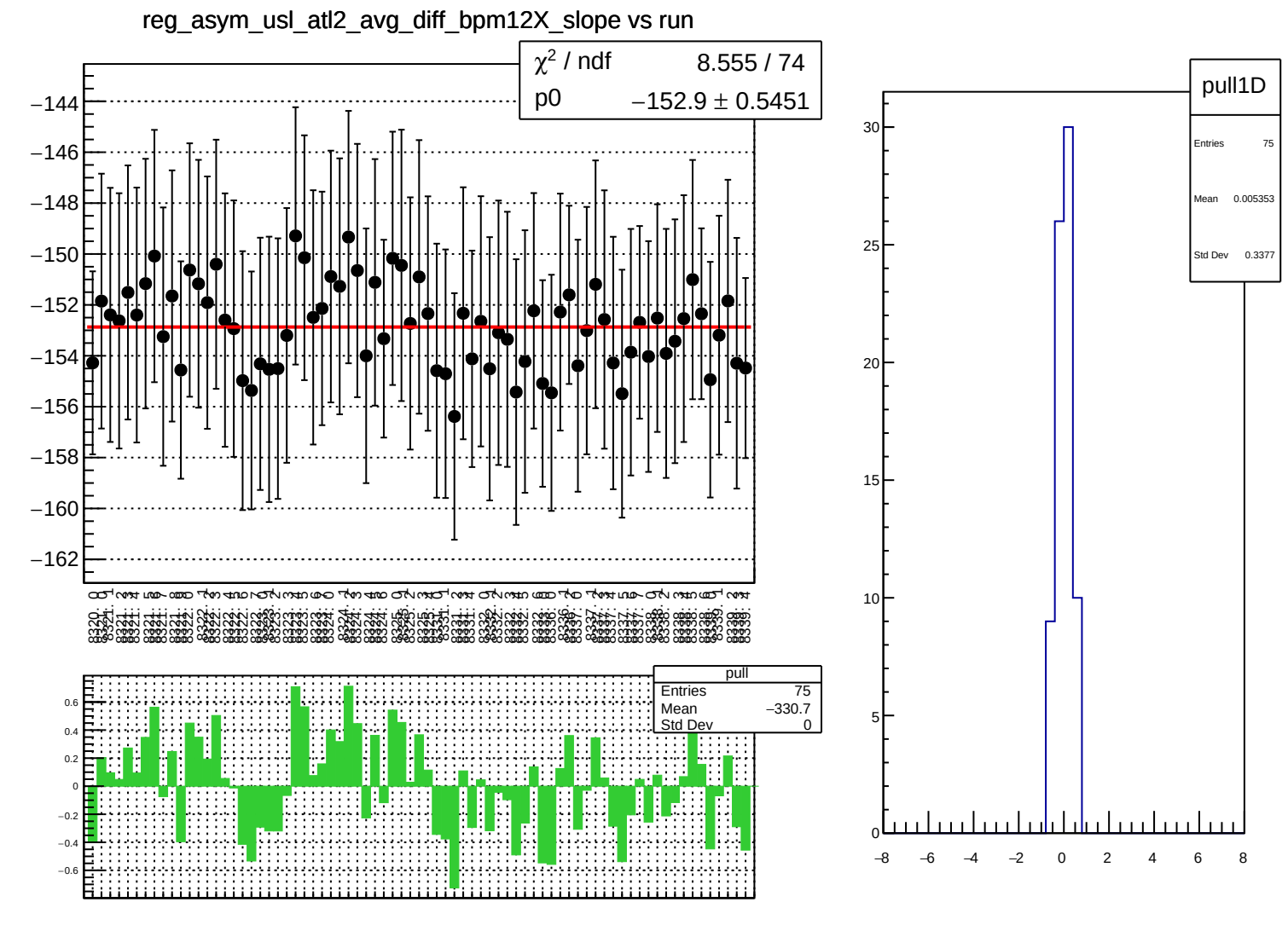

pull1D
Entries 75
Mean 0.005304
Std Dev 0.2875

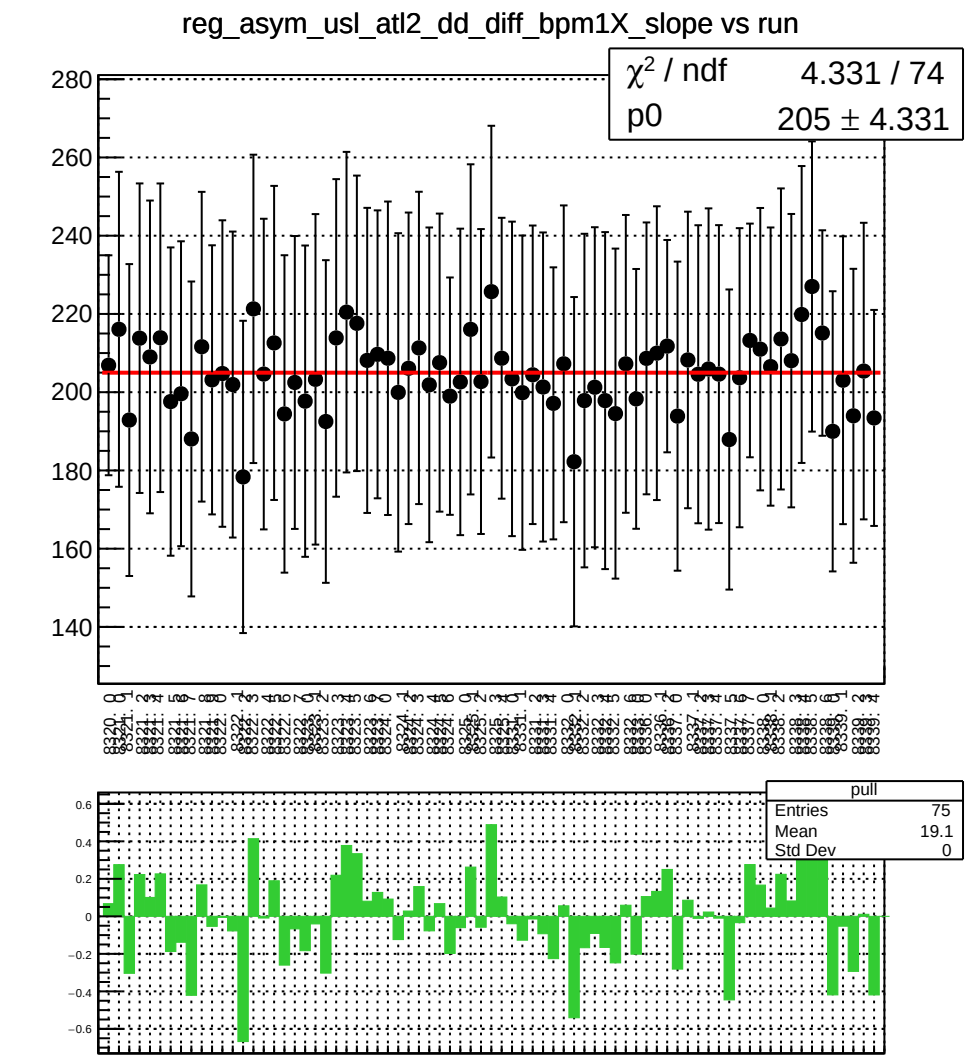

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.12 / 74
p0 33.28 ± 9.381
150
100
50
0
−50
−100
pull
Entries 75
Mean 0.9075
Std Dev 12.95
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 75
Mean −0.002828
Std Dev 0.2344
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

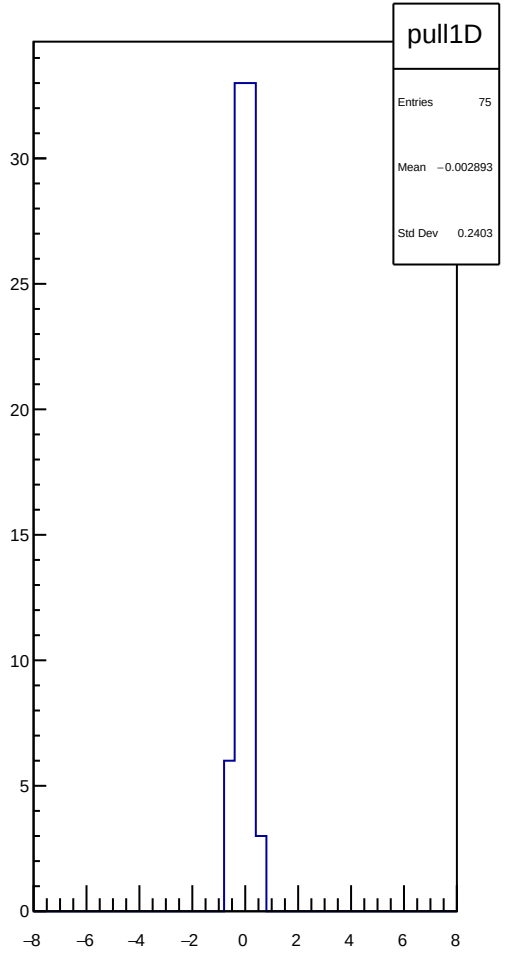

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.022 / 74
p0 170.6 ± 5.596
pull
Entries 75
Mean −23.49
Std Dev 0
pull1D
Entries 75
Mean −0.004363
Std Dev 0.2833

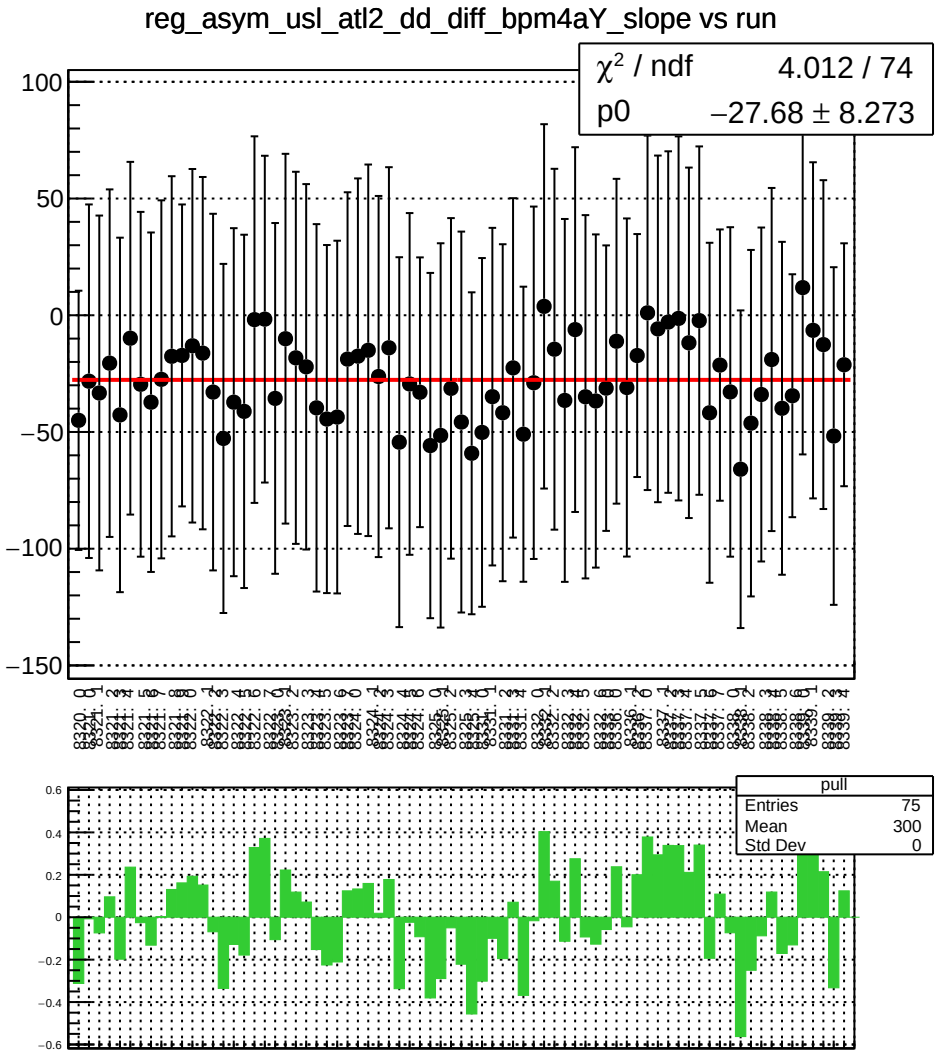

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.01 / 74
p0 37.44 ± 9.754
pull
Entries 75
Mean 22.68
Std Dev 41.6

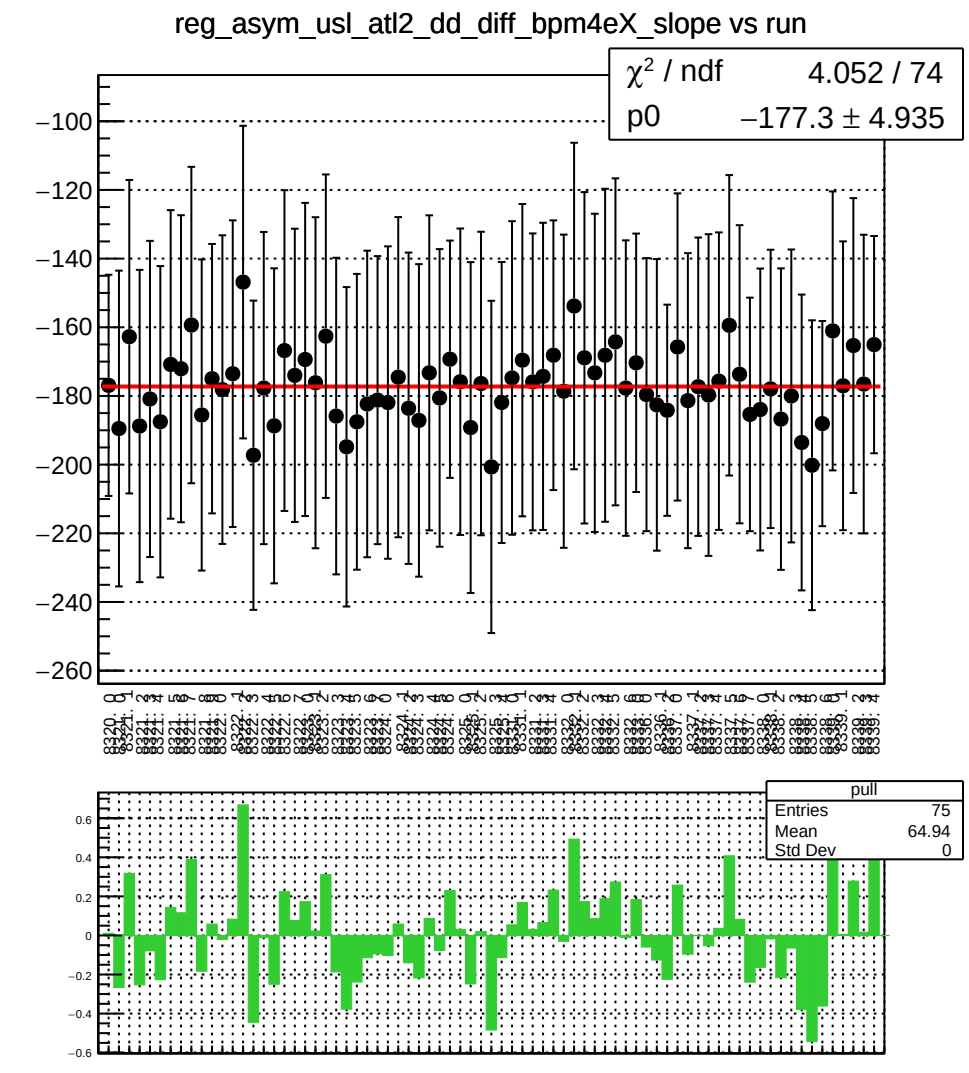

pull1D
Entries 75
Mean 0.002796
Std Dev 0.2312

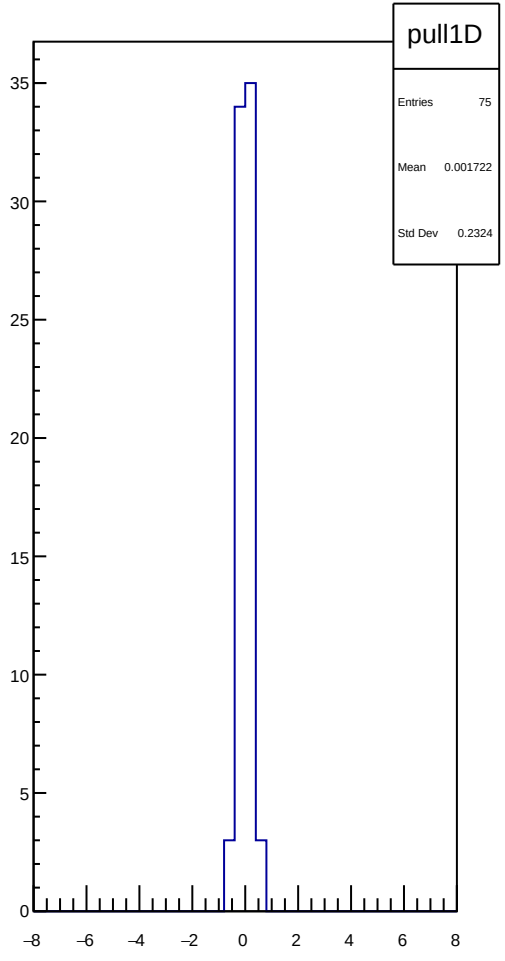

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.555 / 74
p0 −152.9 ± 0.5451
pull
Entries 75
Mean −330.7
Std Dev 0
pull1D
Entries 75
Mean 0.005353
Std Dev 0.3377

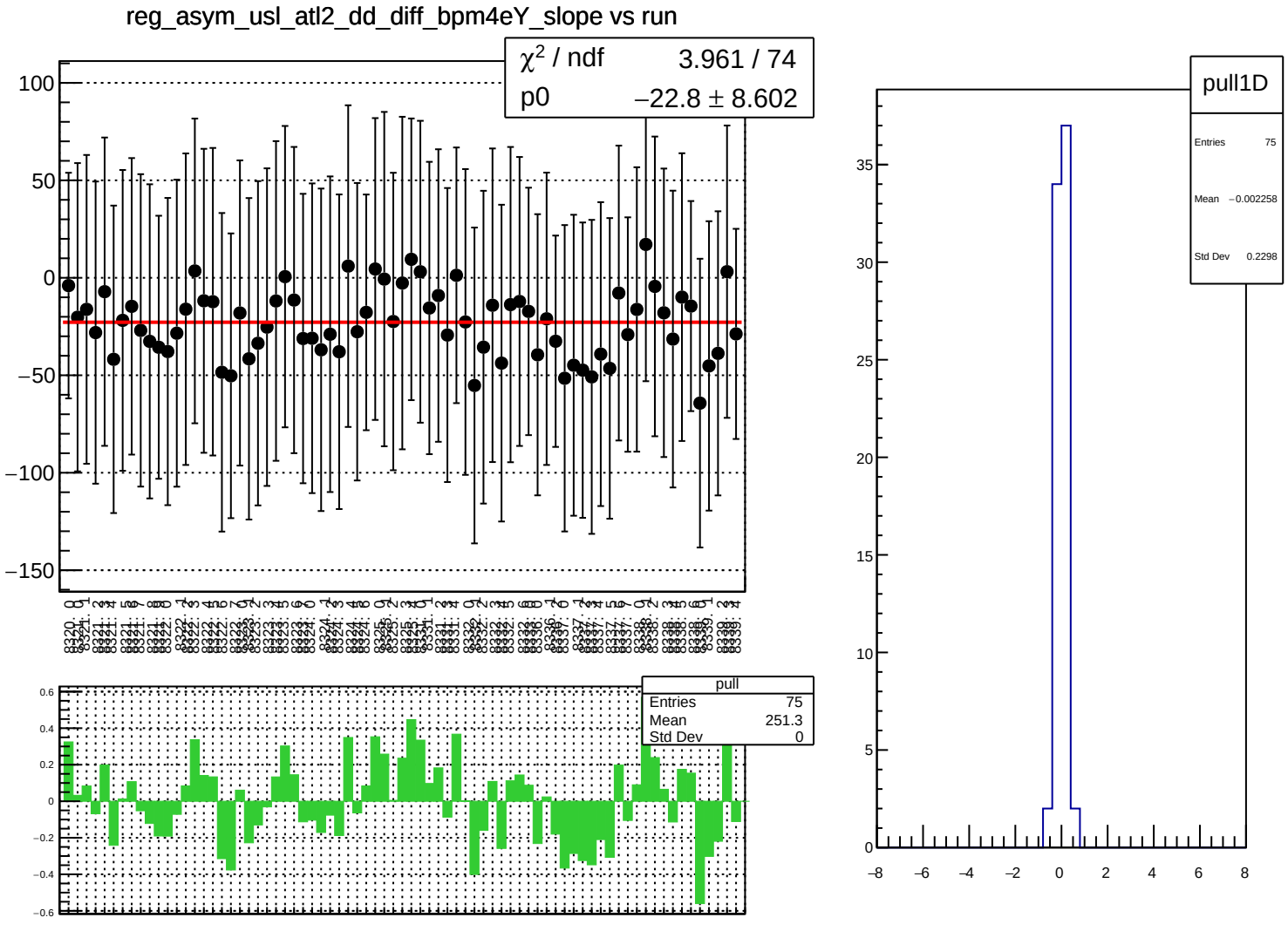

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 4.331 / 74
p0 205 ± 4.331
pull
Entries 75
Mean 19.1
Std Dev 0

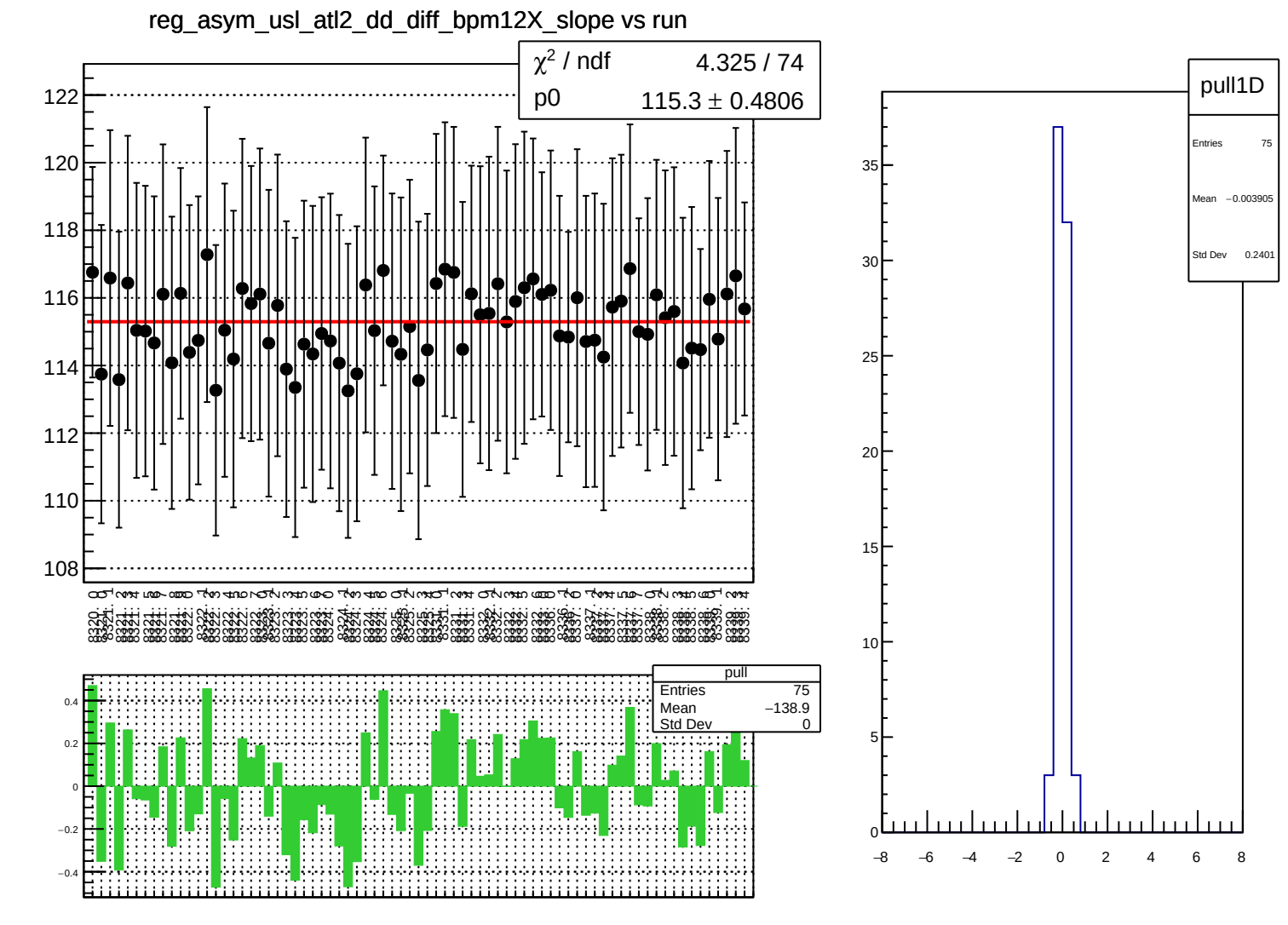

pull1D
Entries 75
Mean −0.002893
Std Dev 0.2403

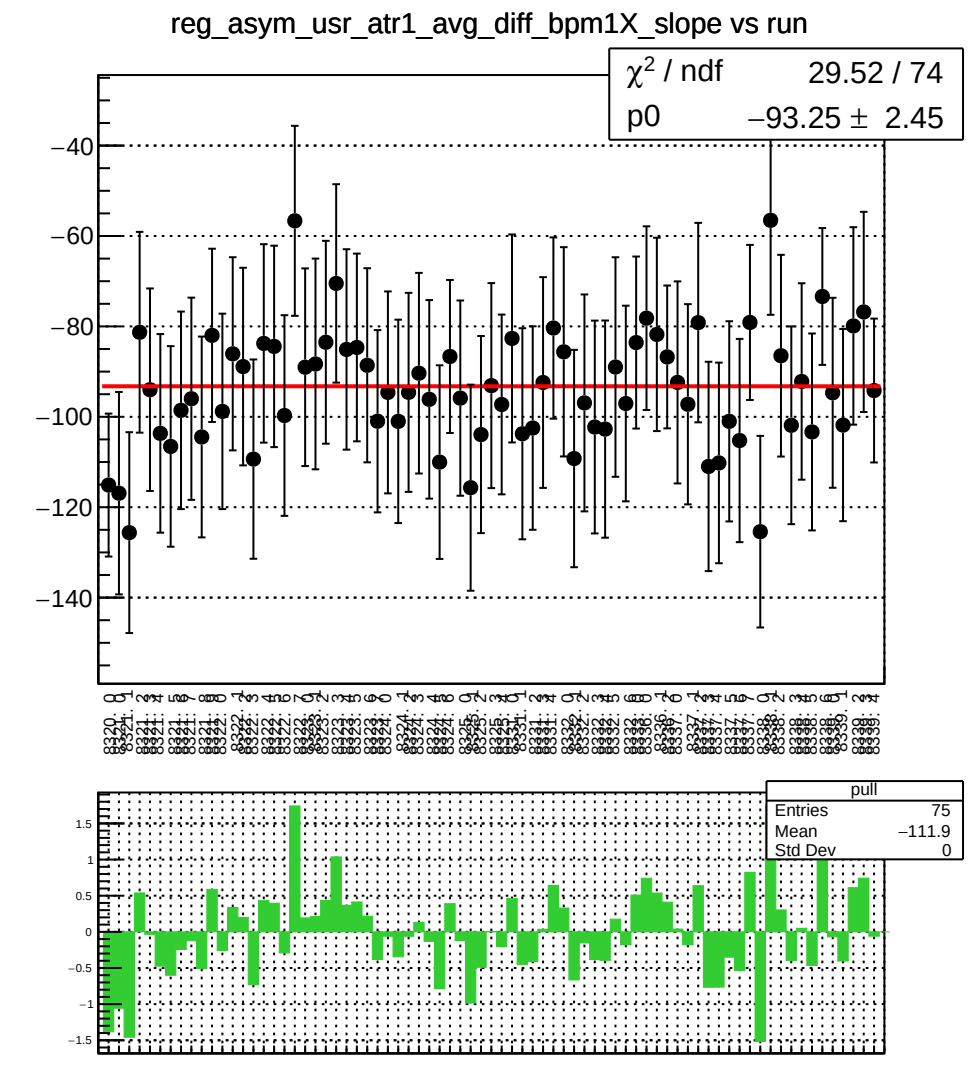

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.012 / 74
p0 −27.68 ± 8.273
pull
Entries 75
Mean 300
Std Dev 0
pull1D
Entries 75
Mean 0.002012
Std Dev 0.2313

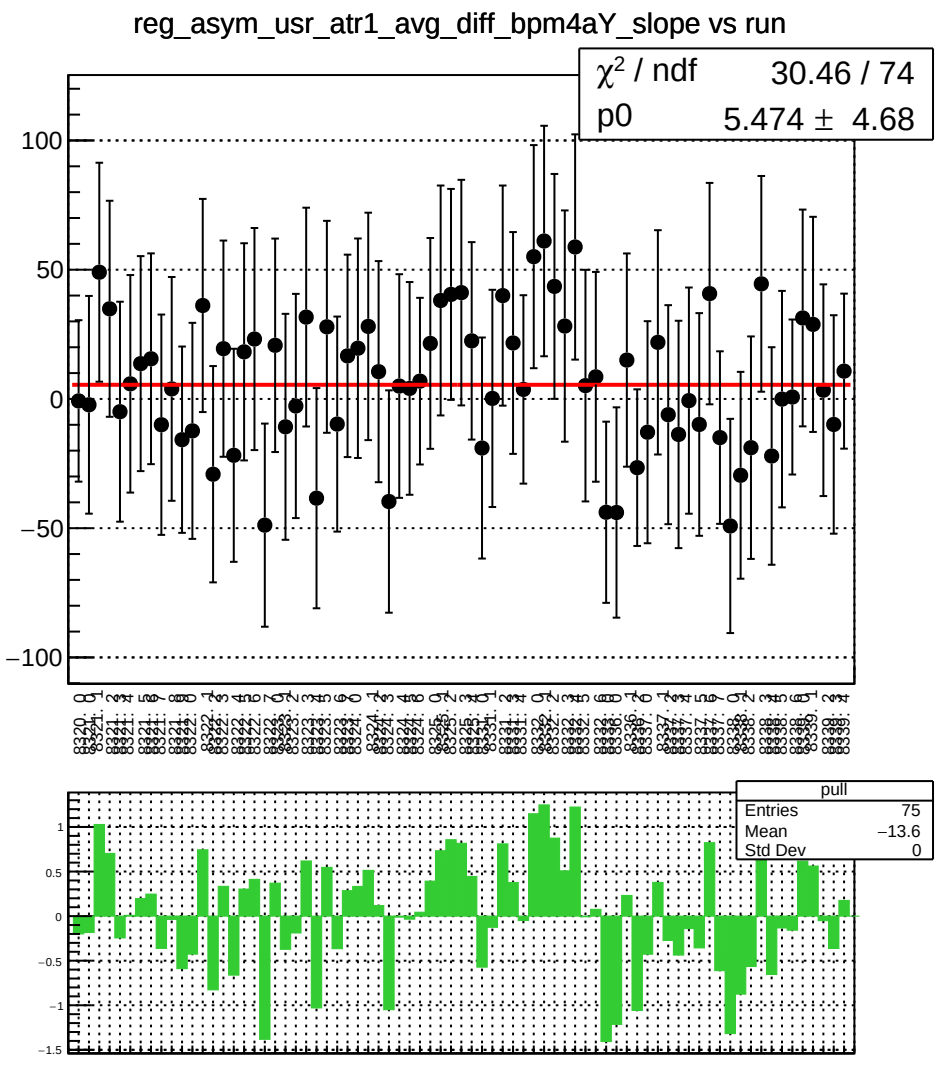

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.052 / 74
p0 −177.3 ± 4.935
pull
Entries 75
Mean 64.94
Std Dev 0

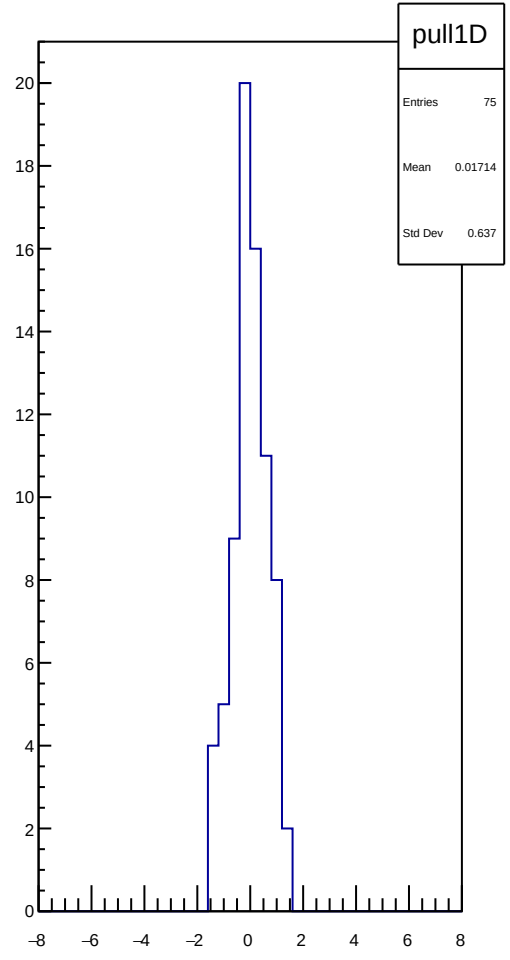

pull1D
Entries 75
Mean 0.001722
Std Dev 0.2324

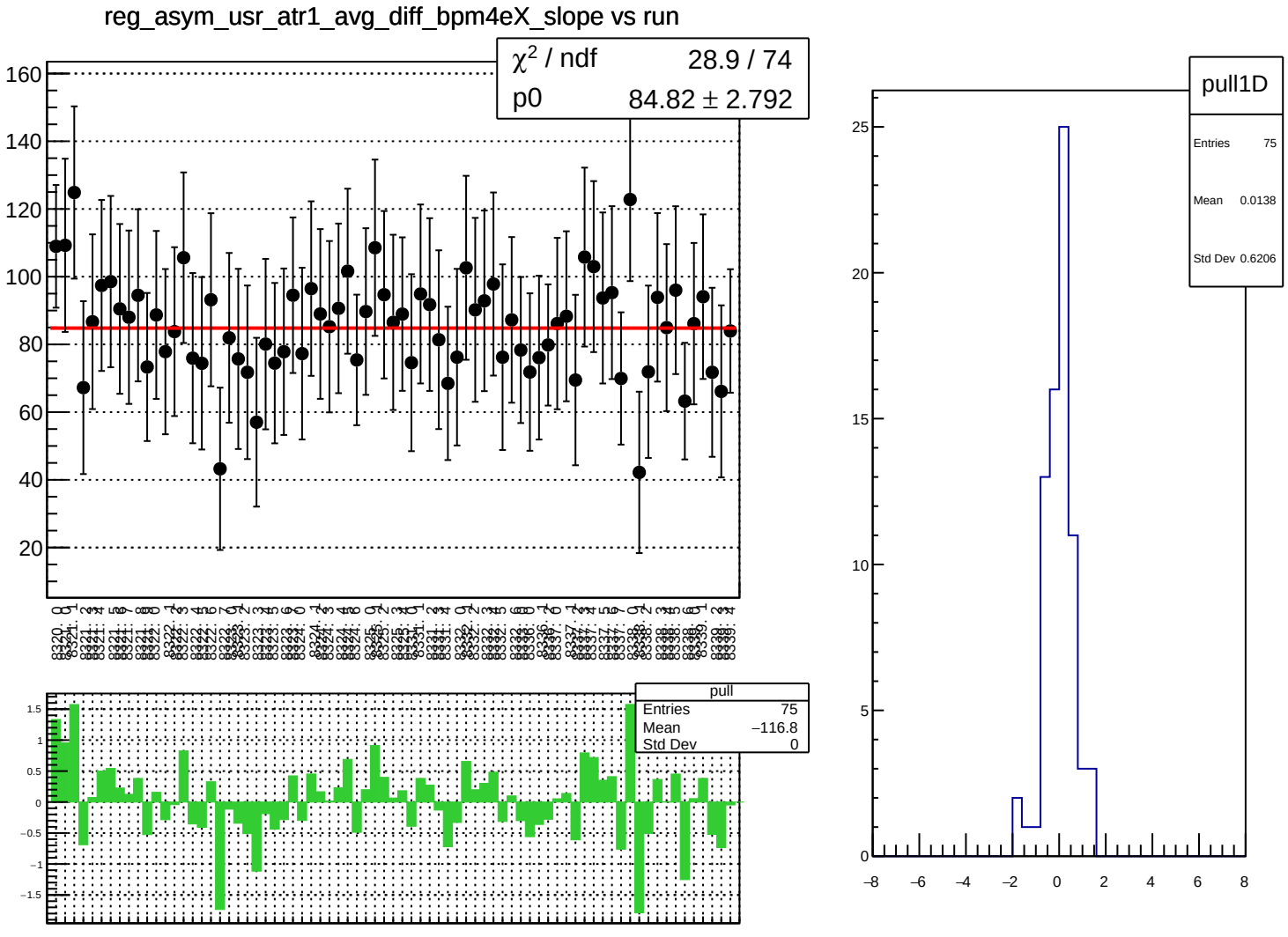

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.961 / 74
p0 −22.8 ± 8.602
pull
Entries 75
Mean 251.3
Std Dev 0
pull1D
Entries 75
Mean −0.002258
Std Dev 0.2298

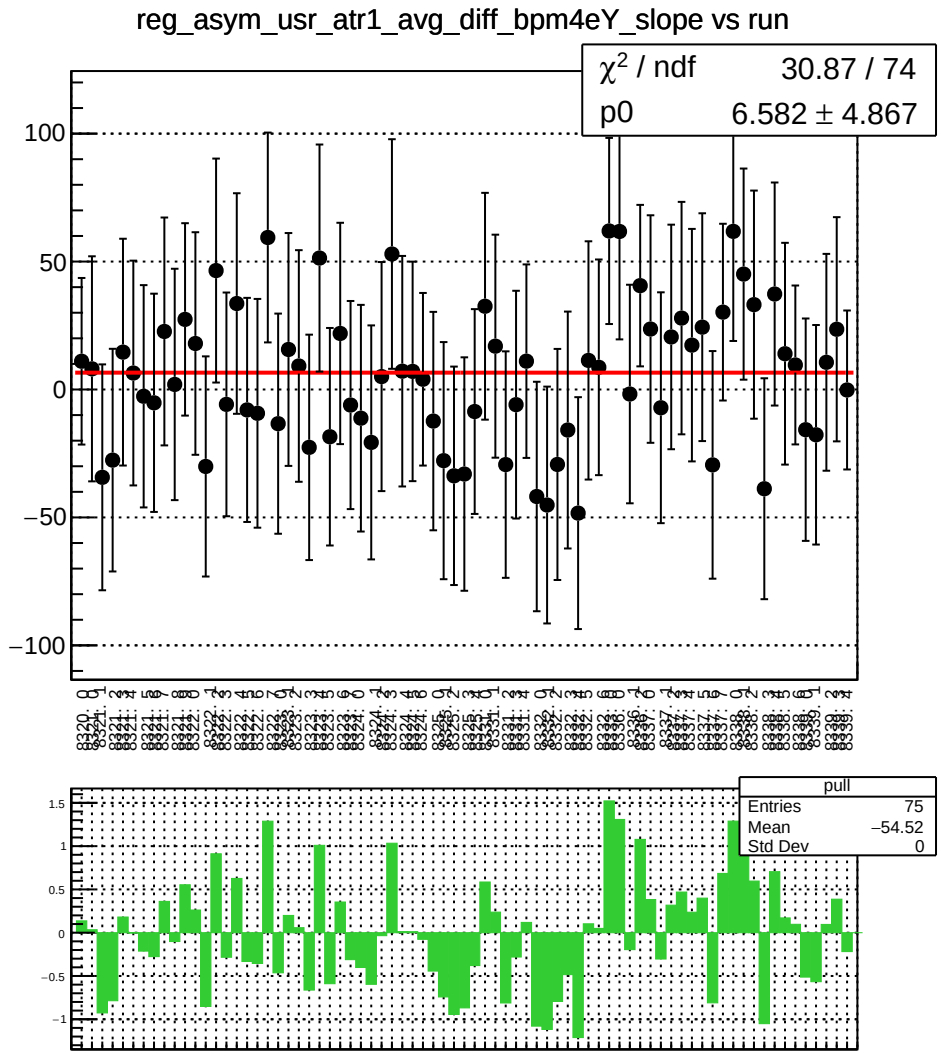

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 4.325 / 74
p0 115.3 ± 0.4806
pull
Entries 75
Mean −138.9
Std Dev 0
pull1D
Entries 75
Mean −0.003905
Std Dev 0.2401

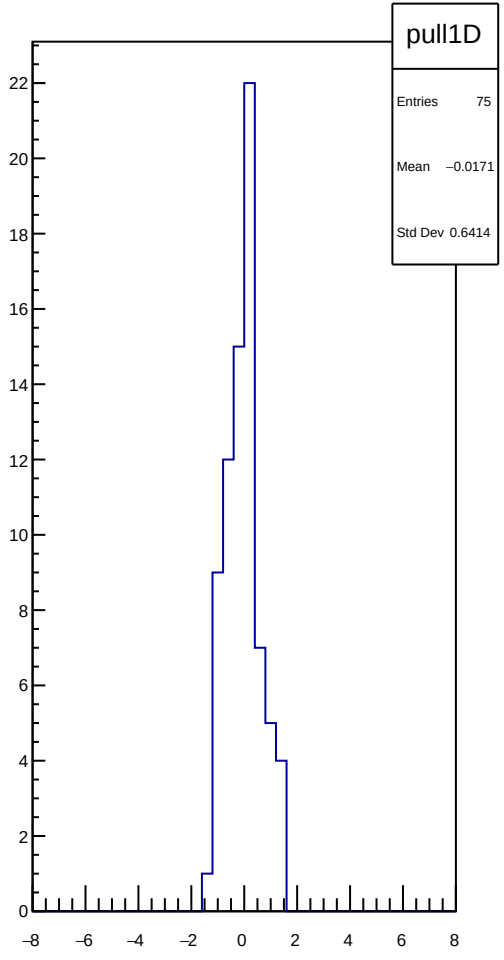

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 29.52 / 74
p0 −93.25 ± 2.45
pull
Entries 75
Mean −111.9
Std Dev 0
pull1D
Entries 75
Mean −0.01478
Std Dev 0.6272

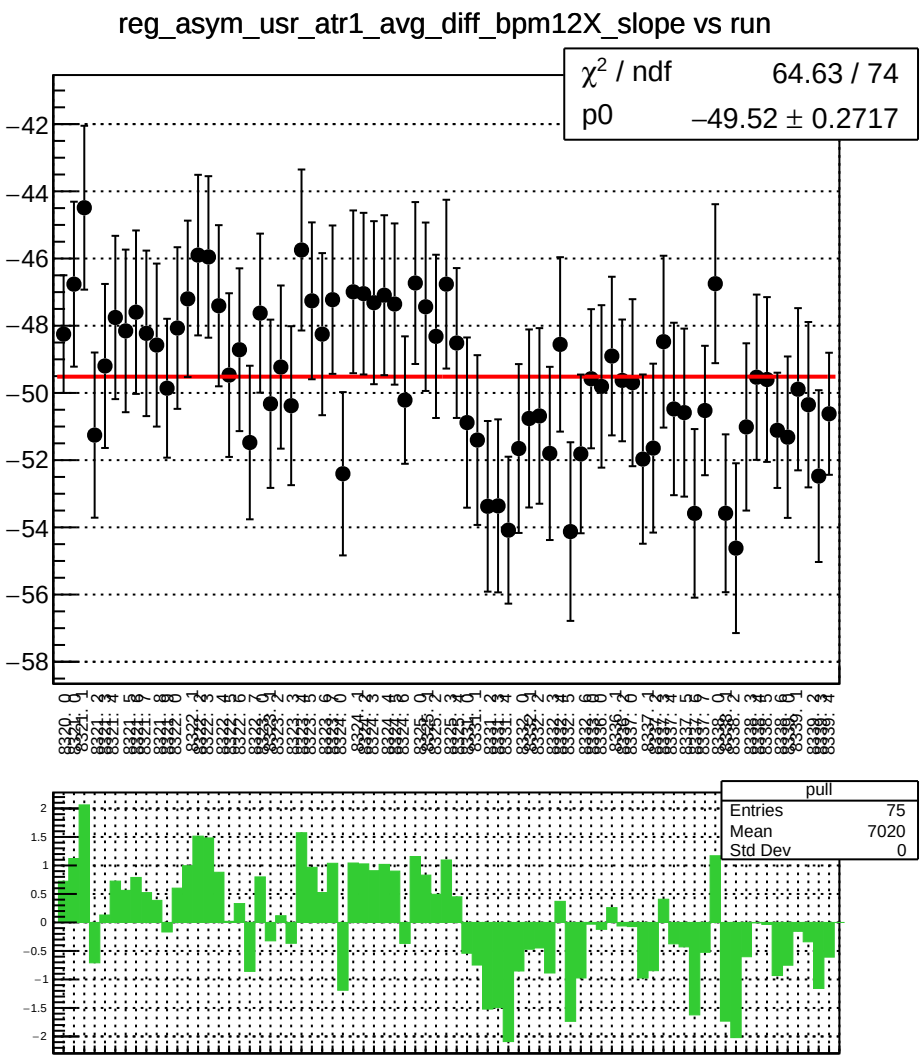

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.46 / 74
p0 5.474 ± 4.68
pull
Entries 75
Mean −13.6
Std Dev 0

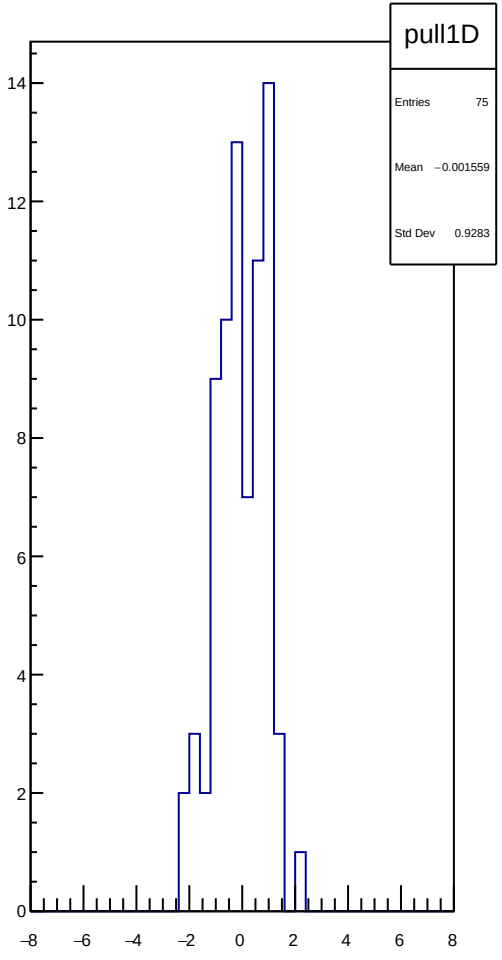

pull1D
Entries 75
Mean 0.01714
Std Dev 0.637

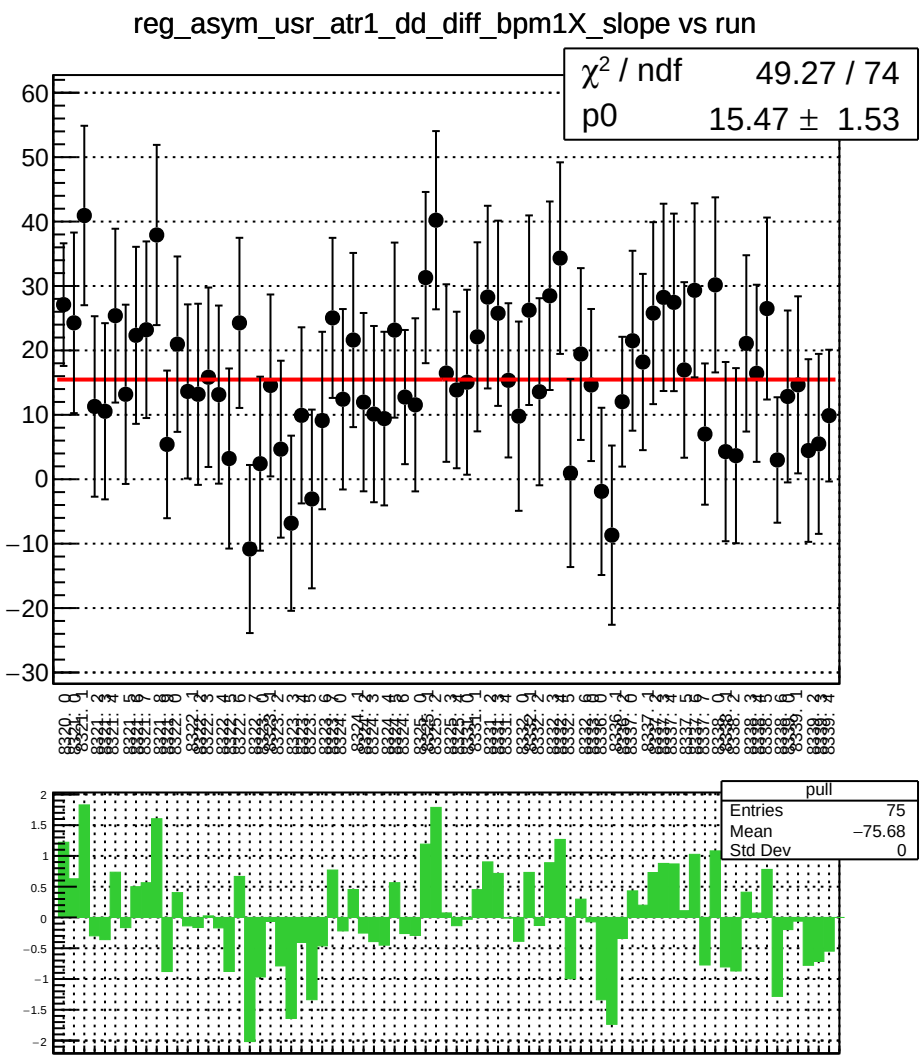

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.9 / 74
p0 84.82 ± 2.792
pull
Entries 75
Mean −116.8
Std Dev 0
pull1D
Entries 75
Mean 0.0138
Std Dev 0.6206

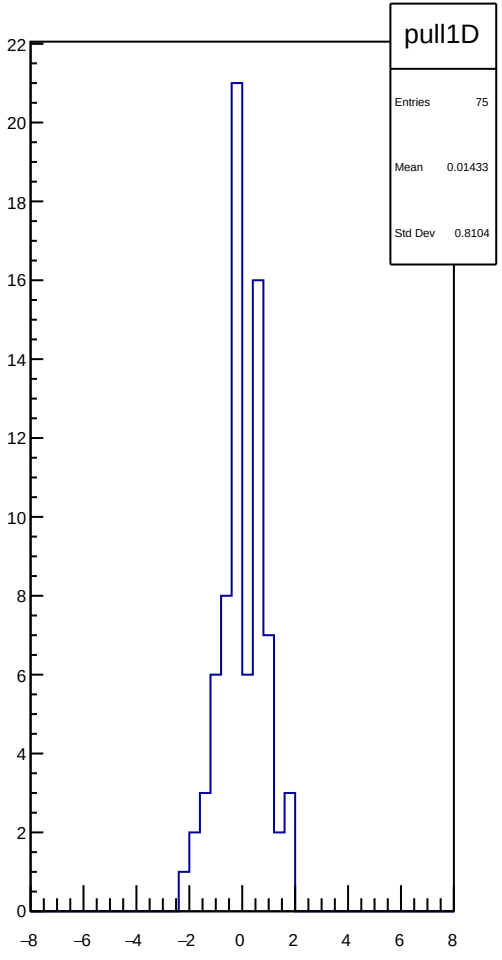

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.87 / 74
p0 6.582 ± 4.867
pull
Entries 75
Mean −54.52
Std Dev 0

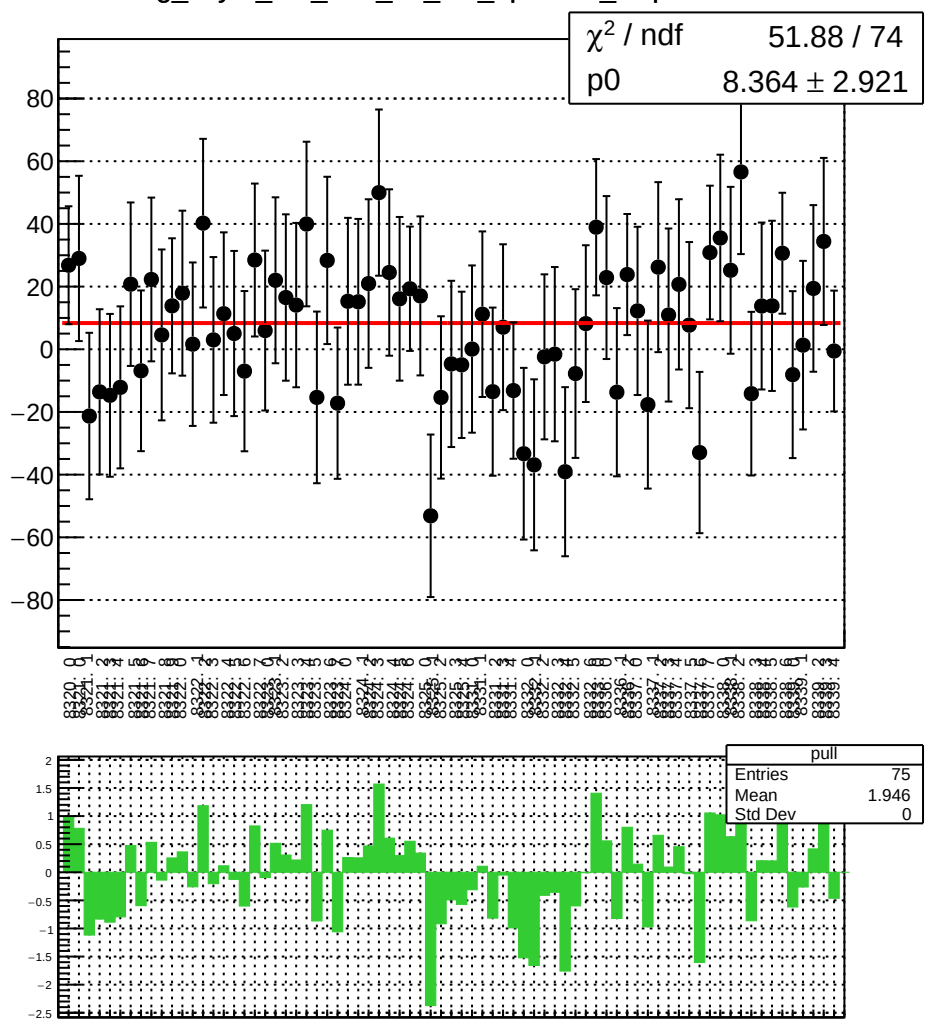

pull1D
Entries 75
Mean −0.0171
Std Dev 0.6414

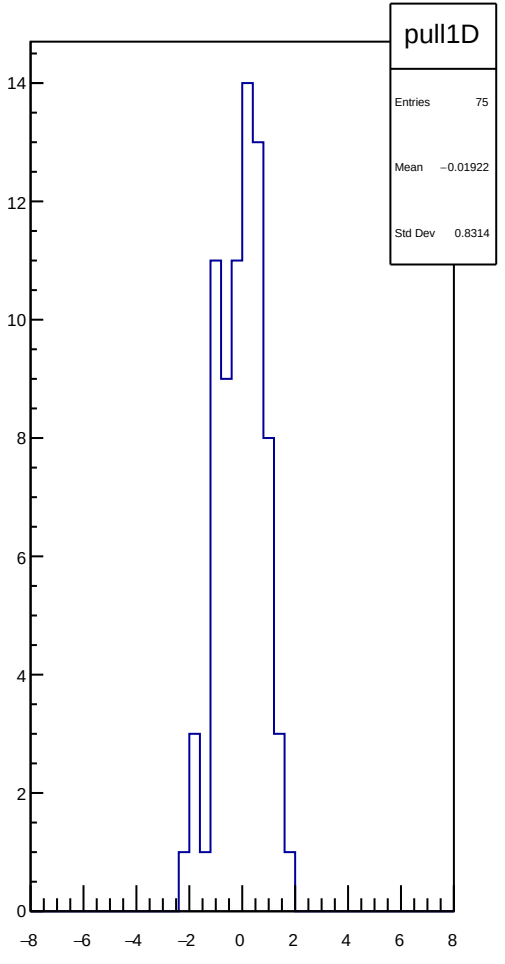

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 64.63 / 74
p0 −49.52 ± 0.2717
pull
Entries 75
Mean 7020
Std Dev 0

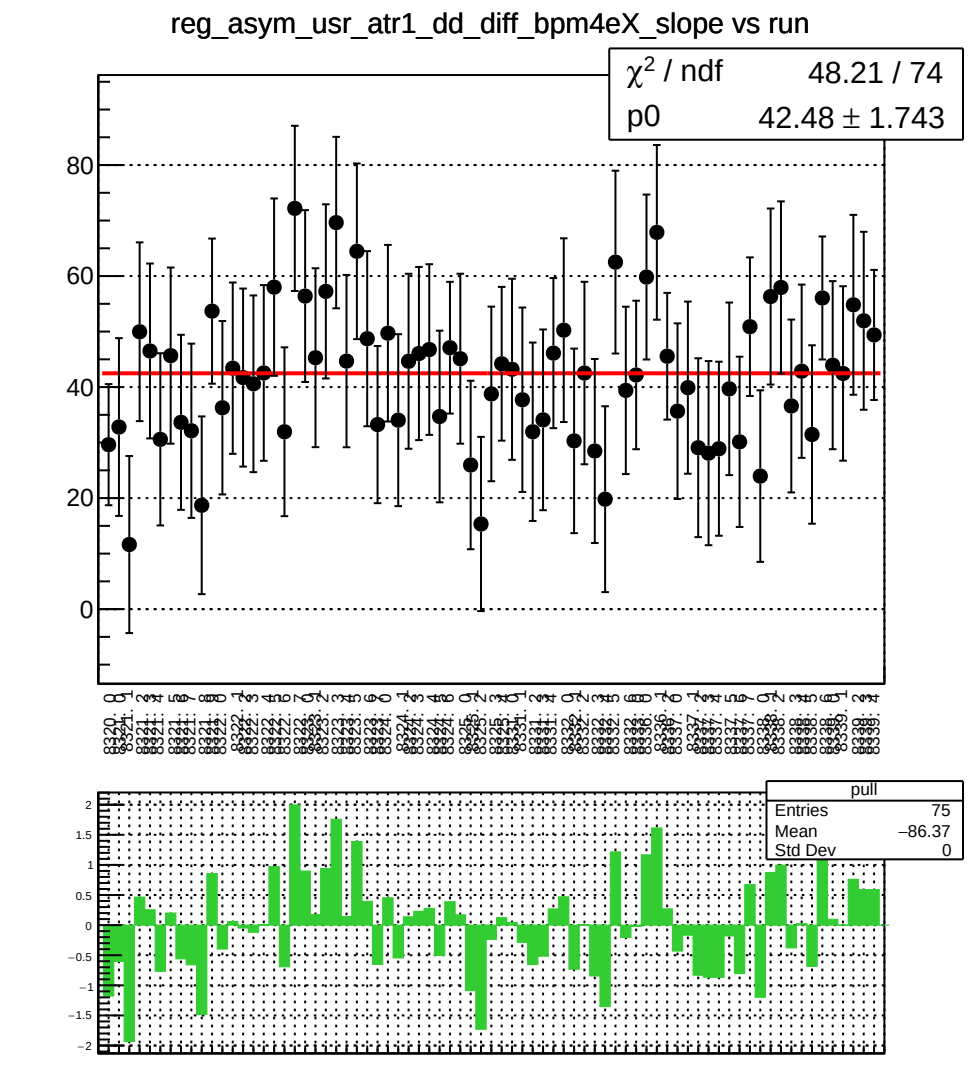

pull1D
Entries 75
Mean −0.001559
Std Dev 0.9283

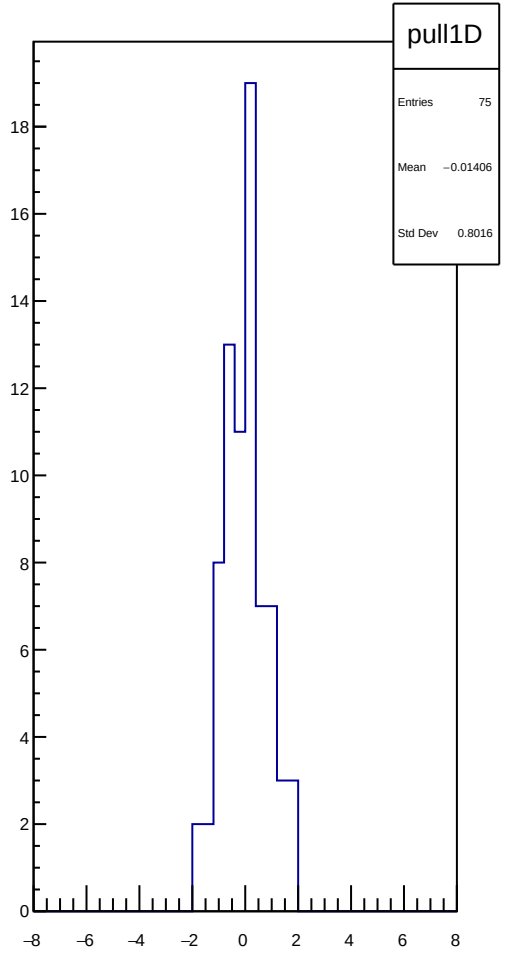

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 49.27 / 74
p0 15.47 ± 1.53
pull
Entries 75
Mean −75.68
Std Dev 0

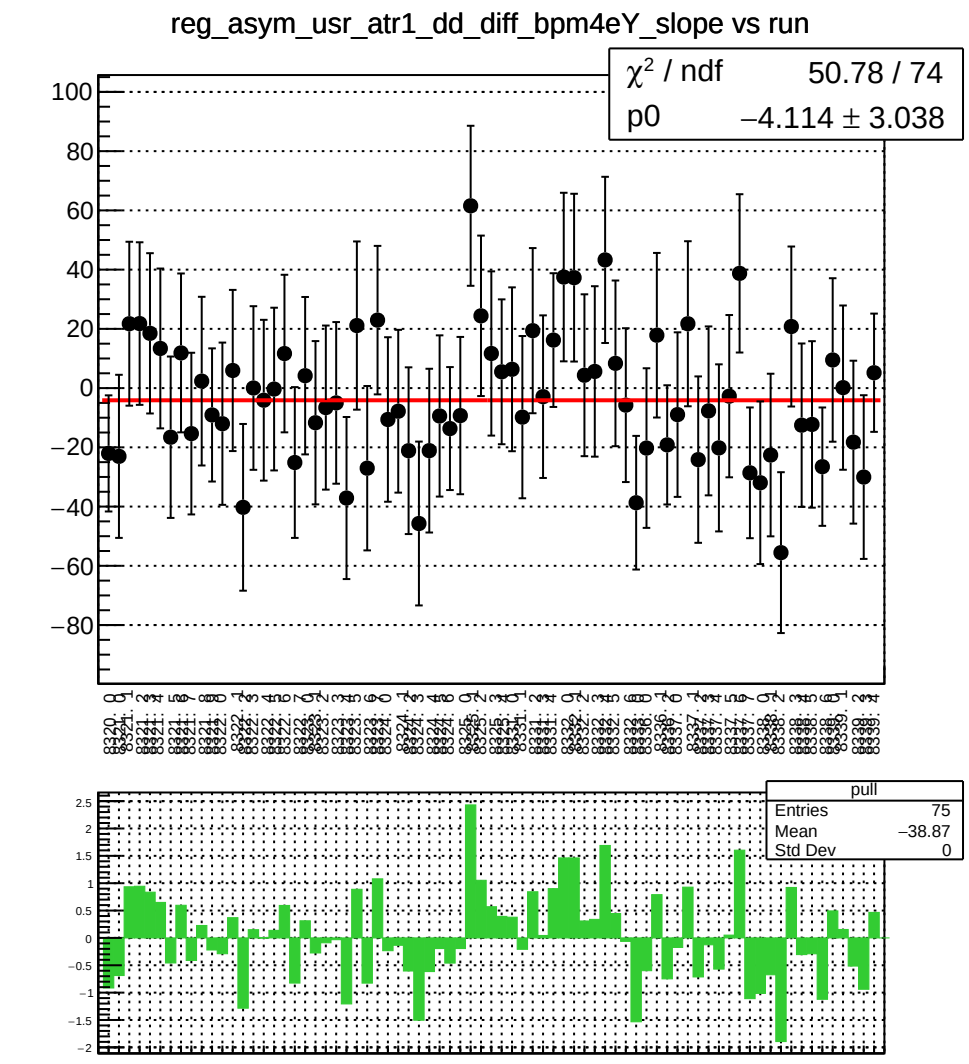

pull1D
Entries 75
Mean 0.01433
Std Dev 0.8104

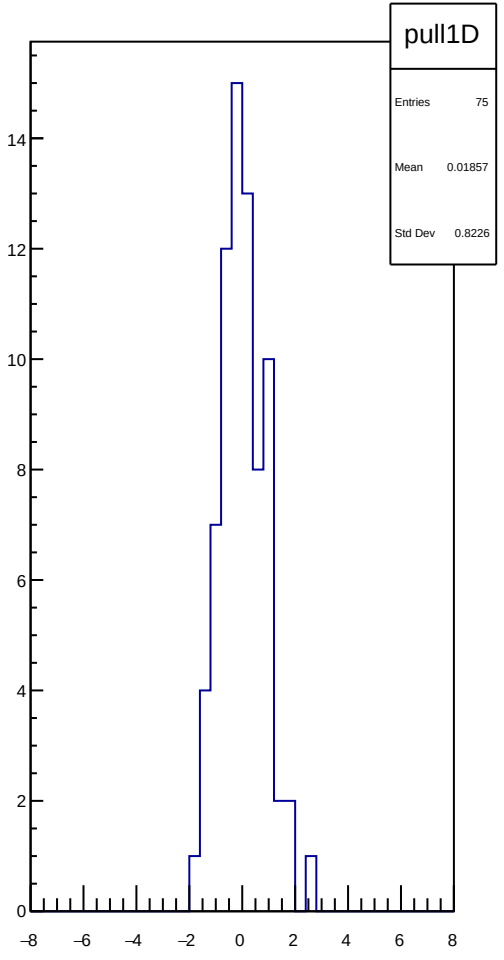

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.88 / 74
p0 8.364 ± 2.921
pull
Entries 75
Mean 1.946
Std Dev 0

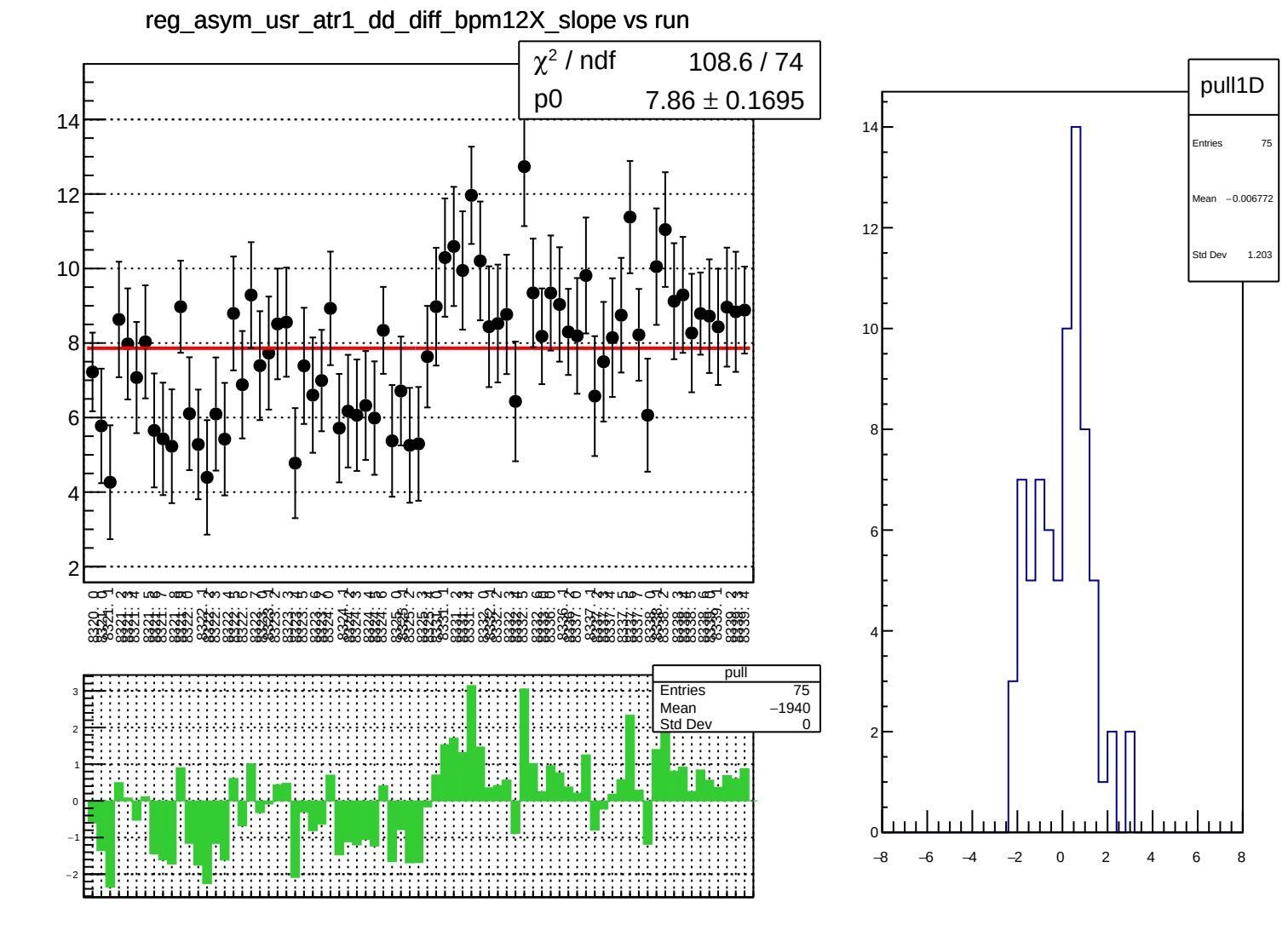

pull1D
Entries 75
Mean −0.01922
Std Dev 0.8314

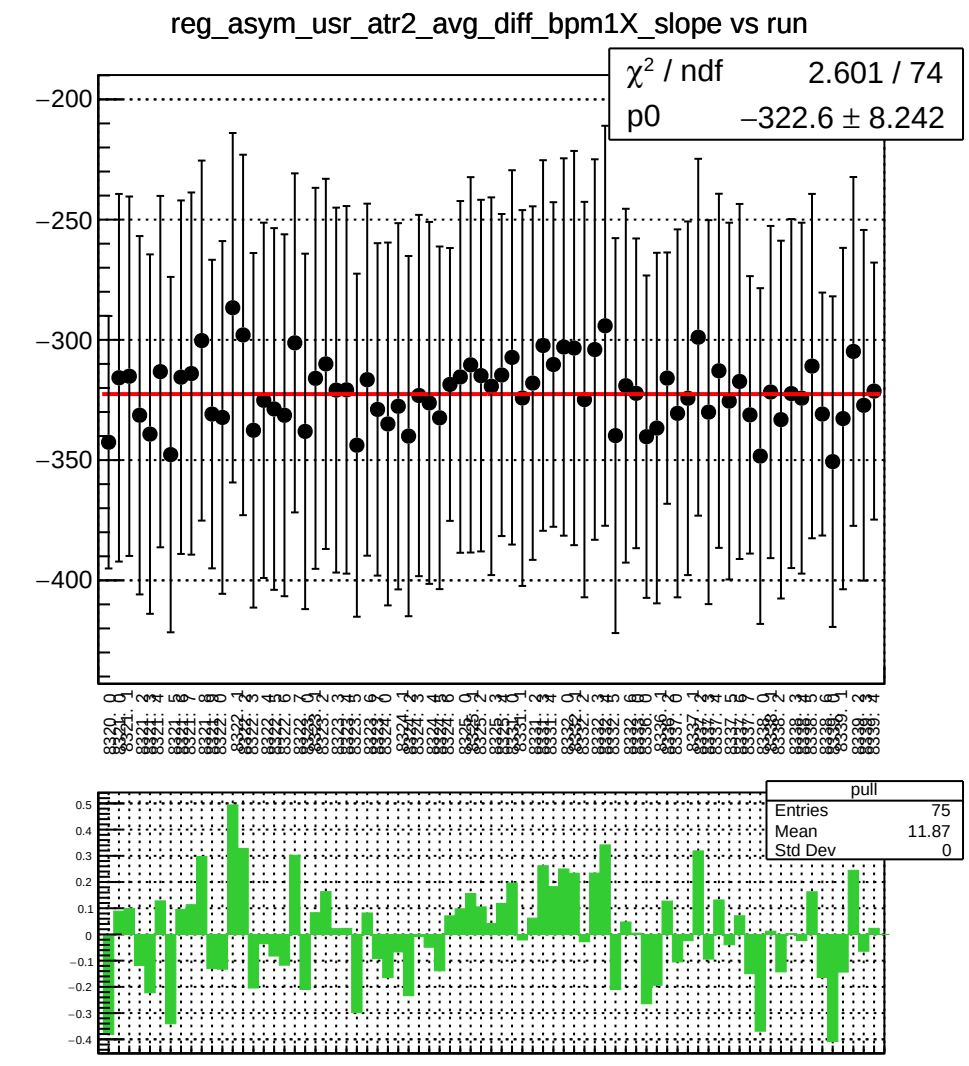

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.21 / 74
p0 42.48 ± 1.743
pull
Entries 75
Mean −86.37
Std Dev 0

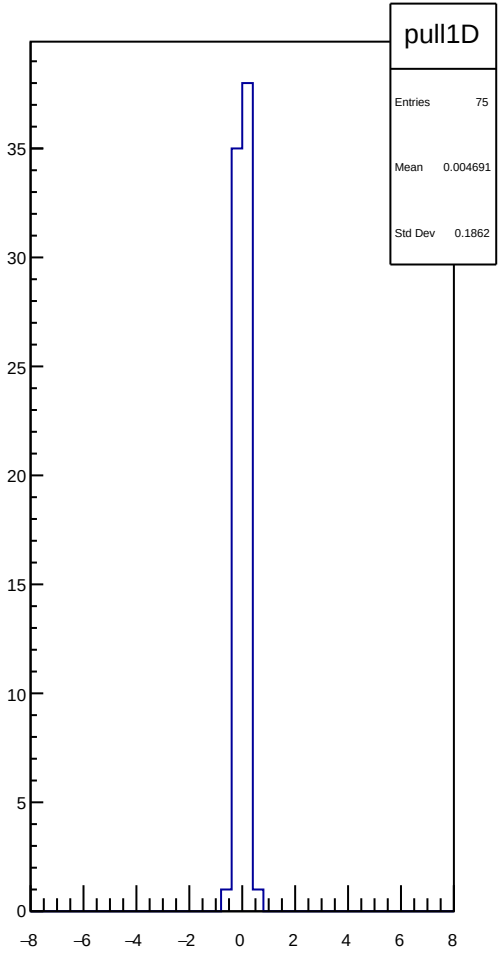

pull1D
Entries 75
Mean −0.01406
Std Dev 0.8016

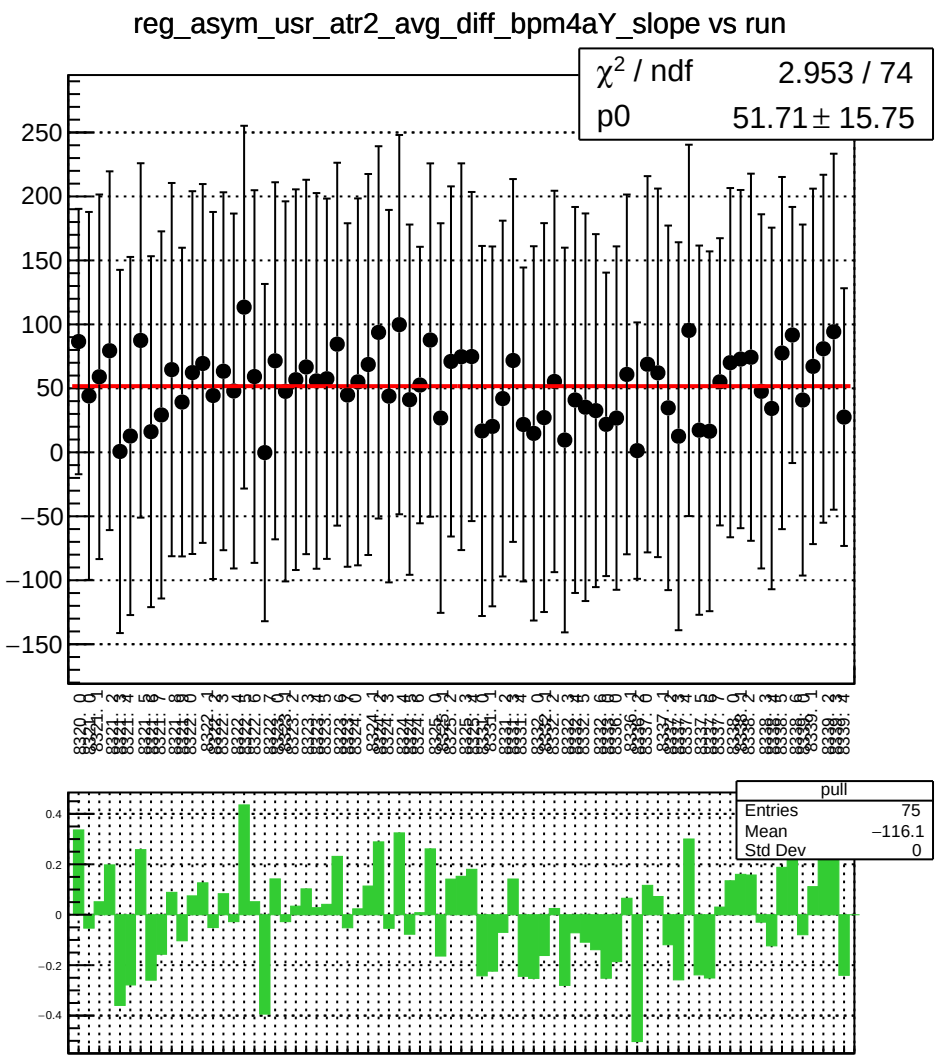

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.78 / 74
p0 −4.114 ± 3.038
pull
Entries 75
Mean −38.87
Std Dev 0

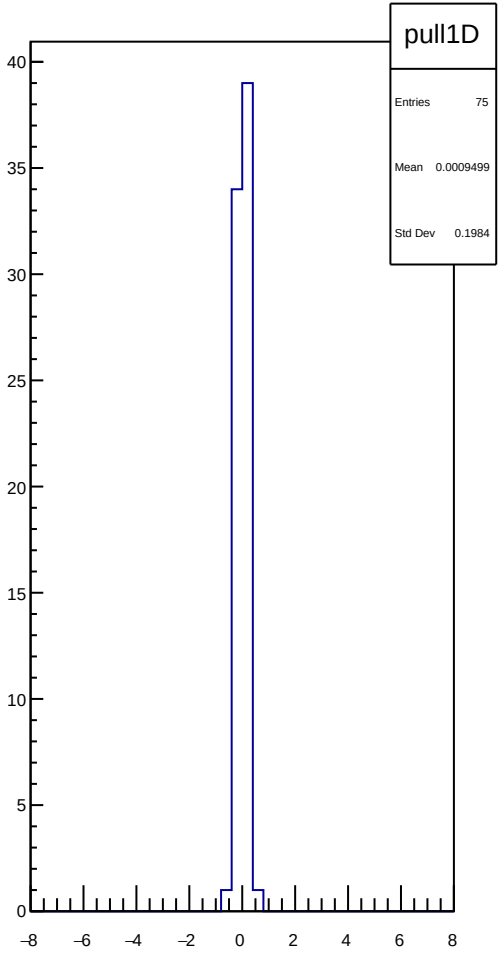

pull1D
Entries 75
Mean 0.01857
Std Dev 0.8226

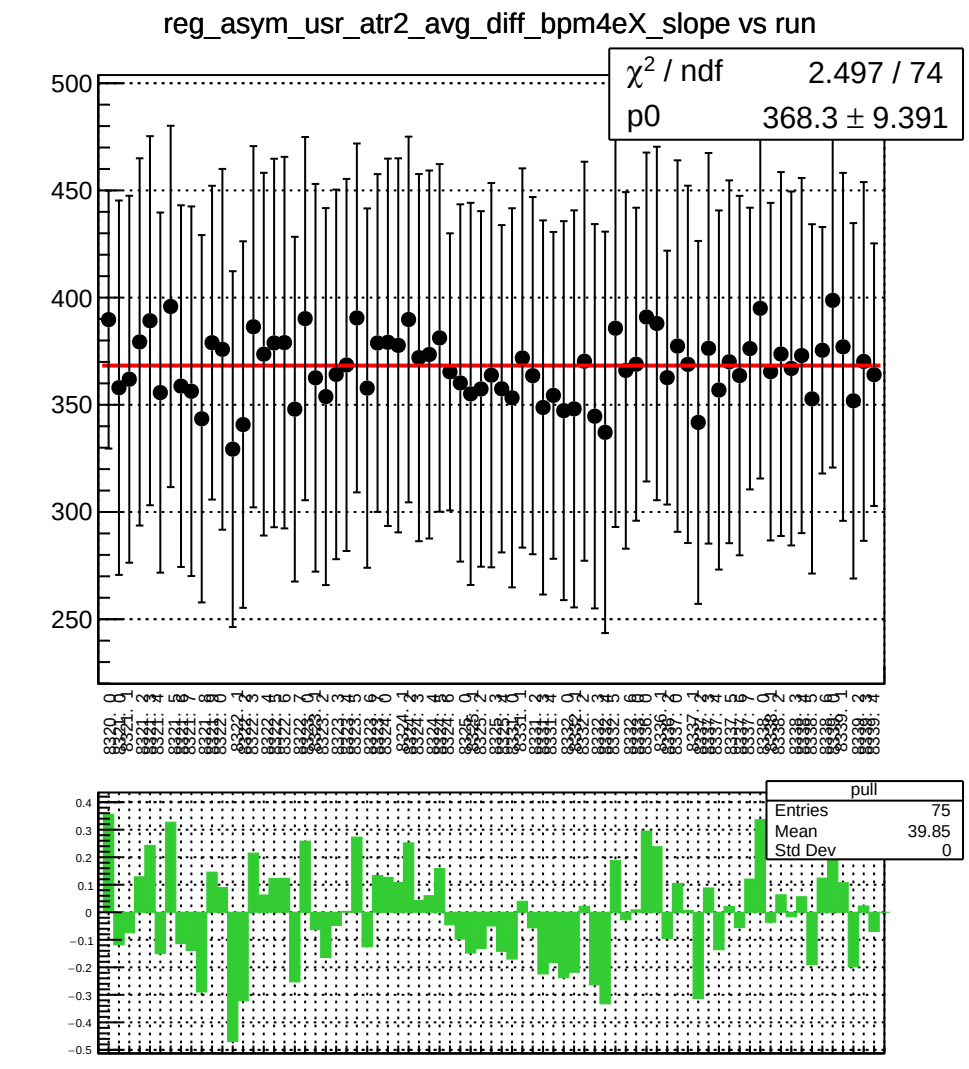

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 108.6 / 74
p0 7.86 ± 0.1695
pull
Entries 75
Mean −1940
Std Dev 0
pull1D
Entries 75
Mean −0.006772
Std Dev 1.203

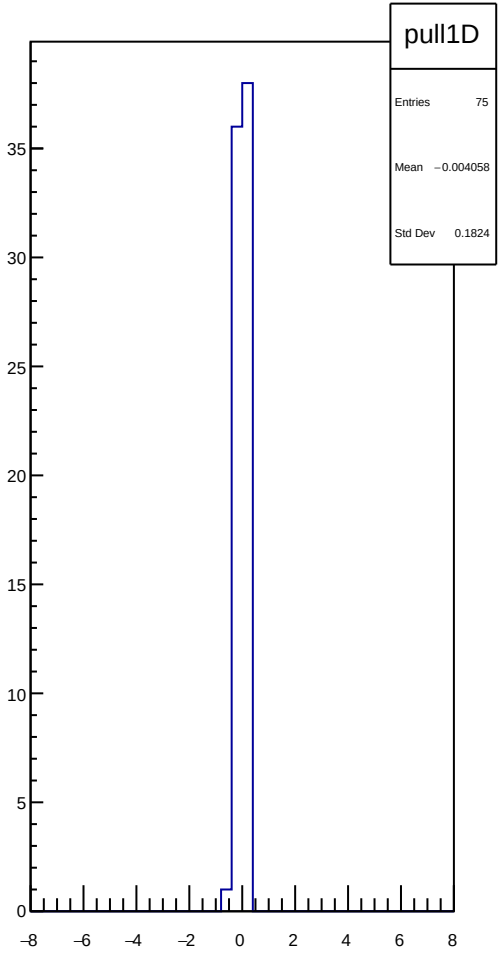

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 2.601 / 74
p0 −322.6 ± 8.242
−200
−250
−300
−350
−400
pull
Entries 75
Mean 11.87
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

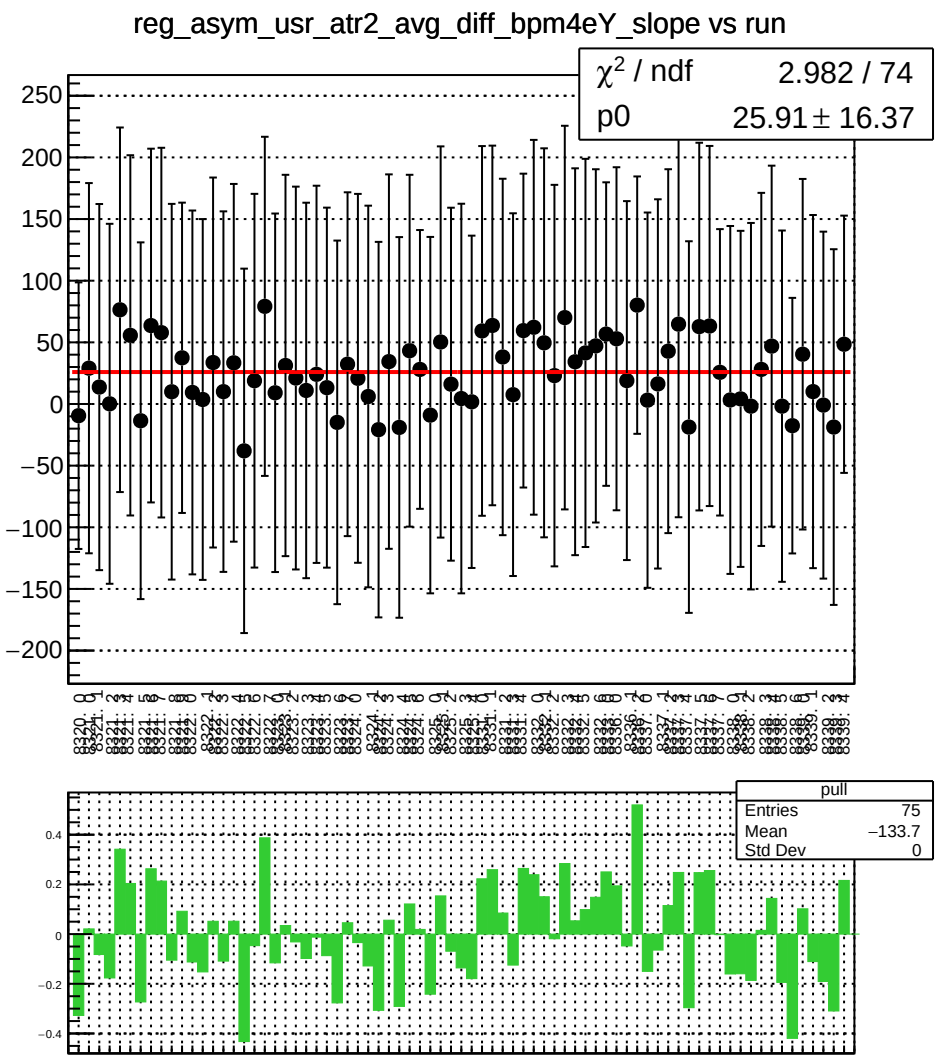

pull1D
Entries 75
Mean 0.004691
Std Dev 0.1862
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

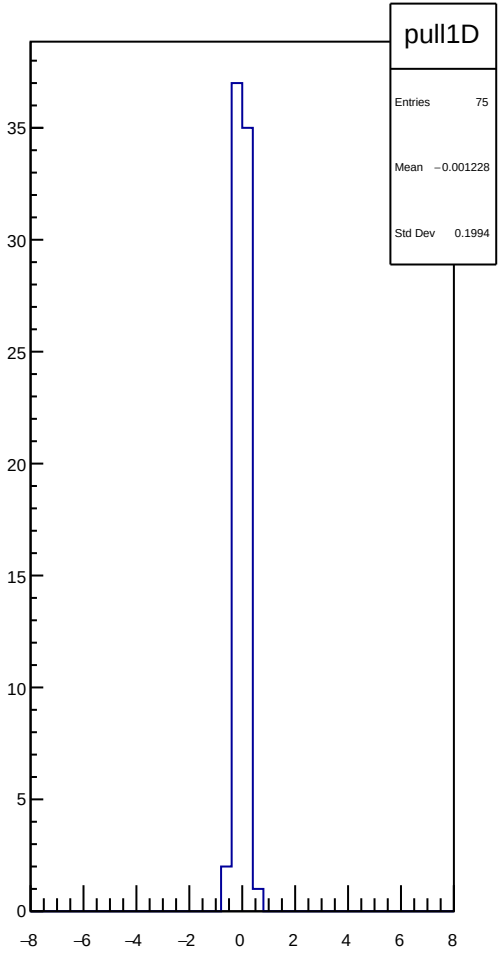

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.953 / 74
p0 51.71 ± 15.75
pull
Entries 75
Mean −116.1
Std Dev 0

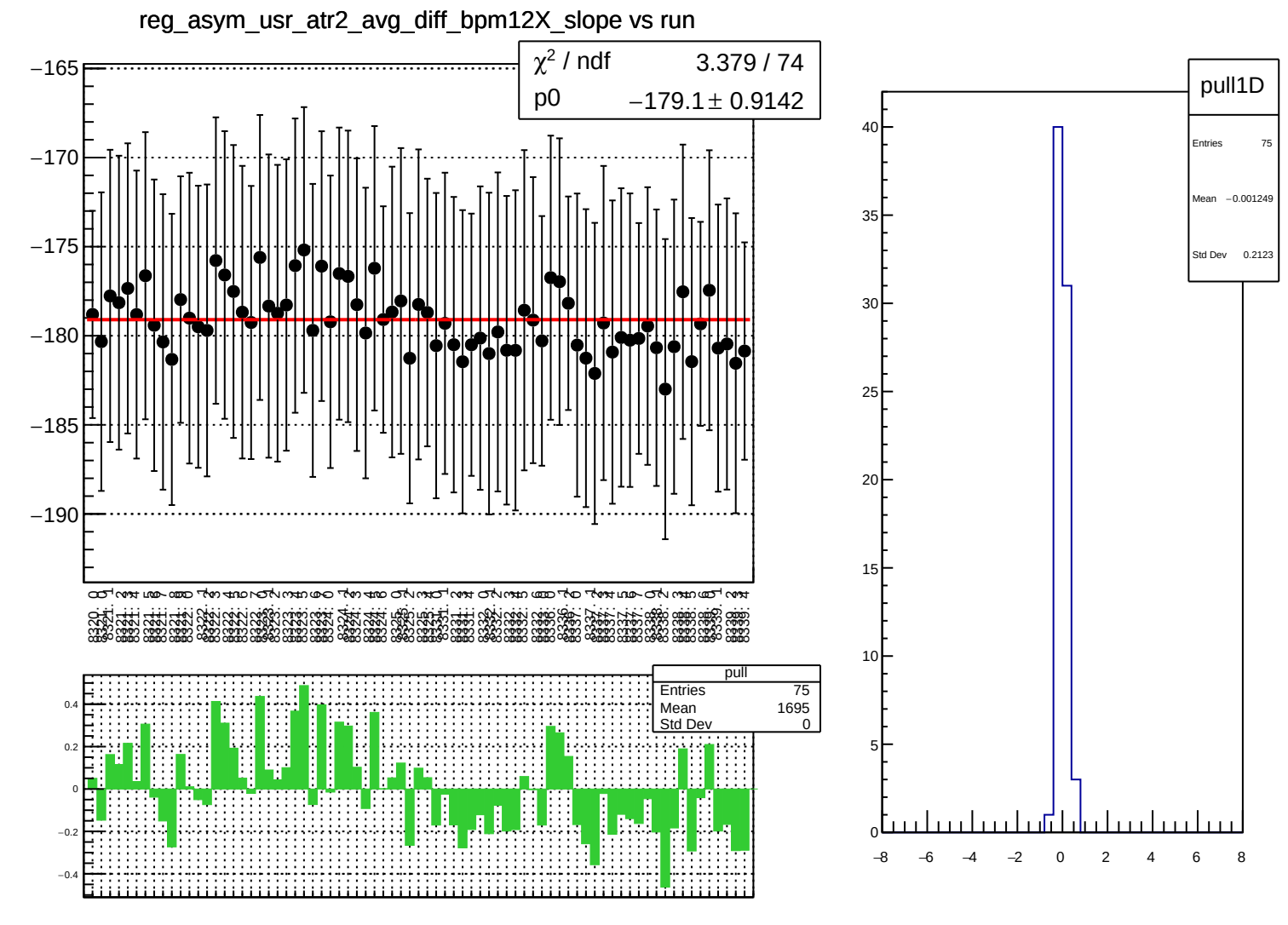

pull1D
Entries 75
Mean 0.0009499
Std Dev 0.1984

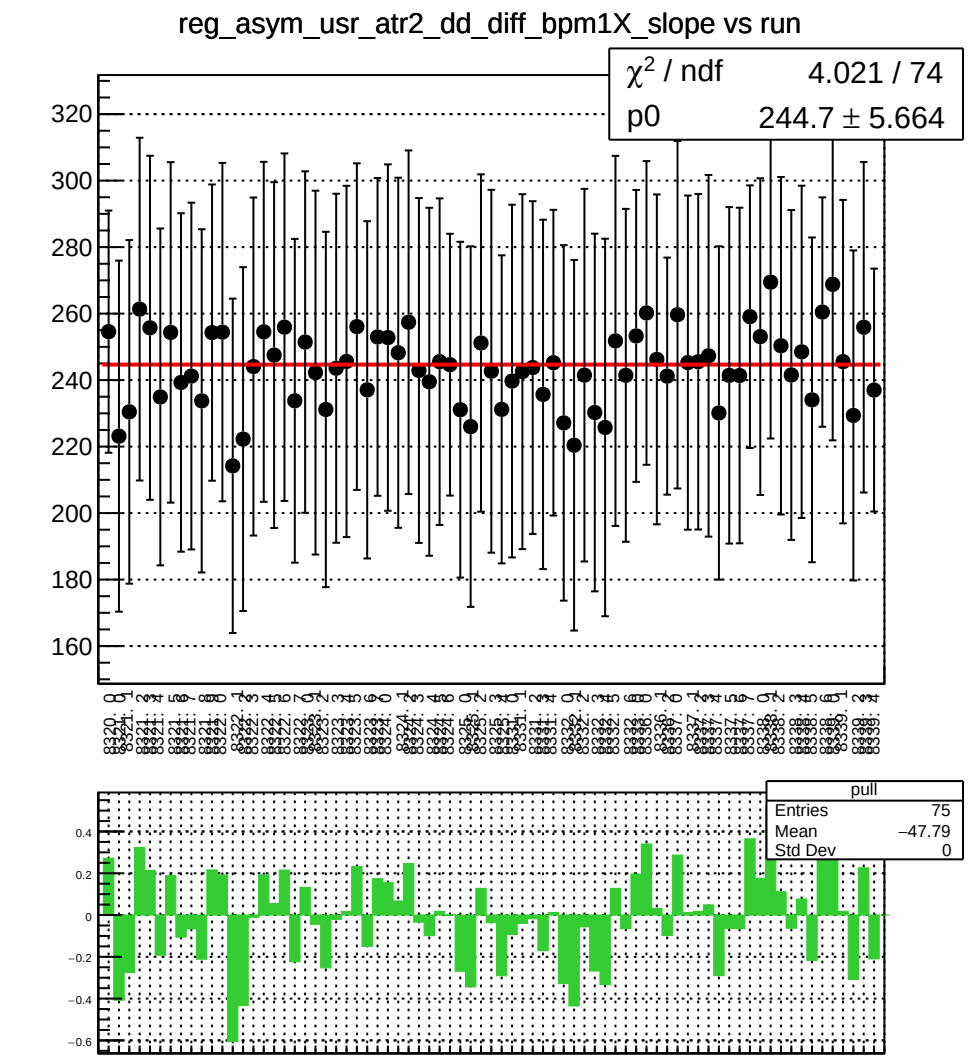

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.497 / 74
p0 368.3 ± 9.391
pull
Entries 75
Mean 39.85
Std Dev 0

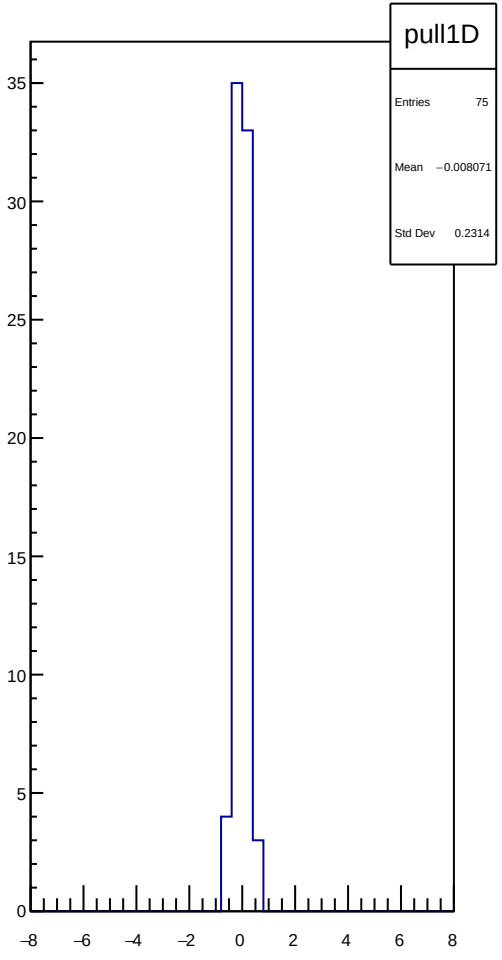

pull1D
Entries 75
Mean −0.004058
Std Dev 0.1824

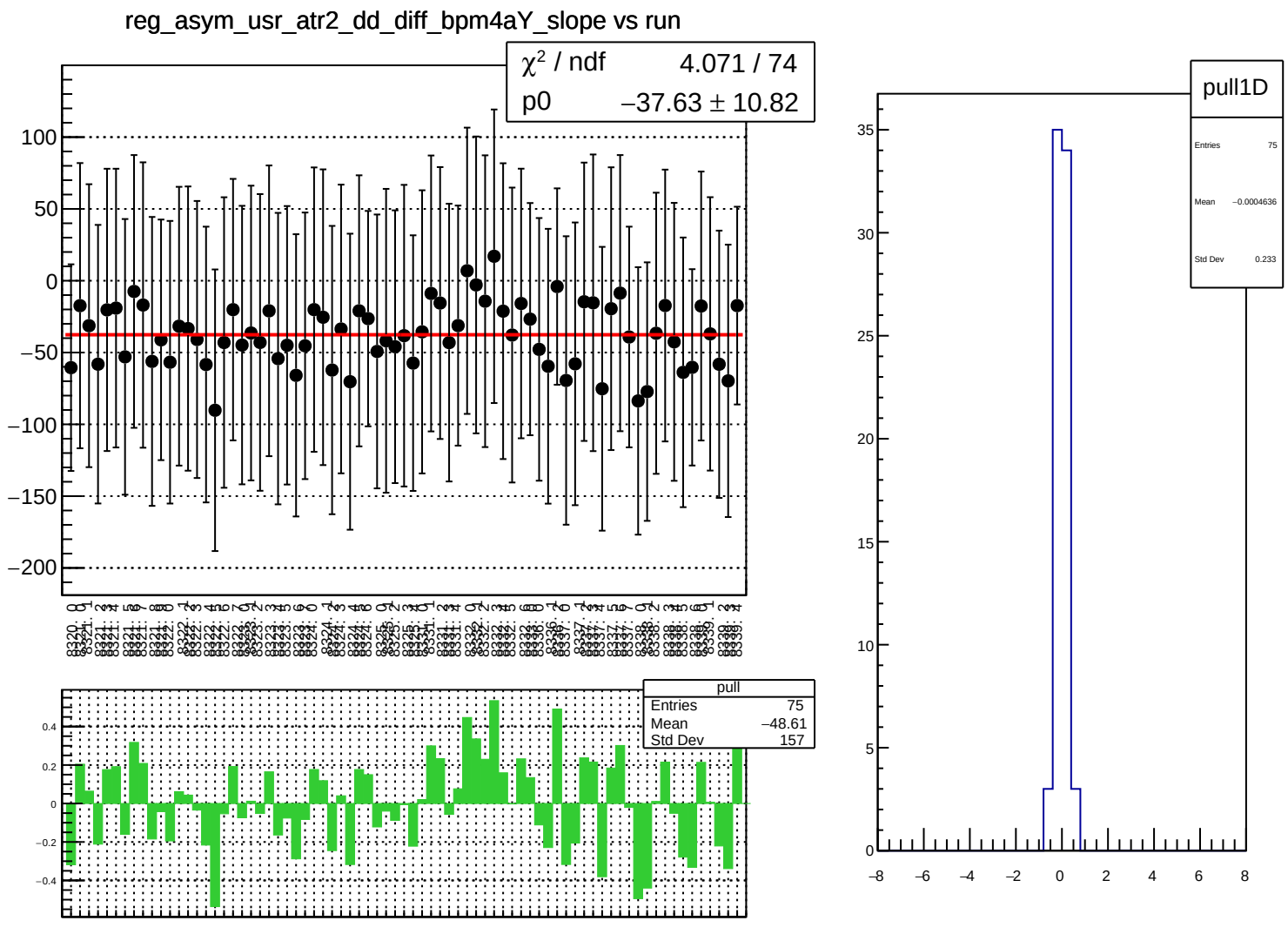

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.982 / 74
p0 25.91 ± 16.37
pull
Entries 75
Mean −133.7
Std Dev 0

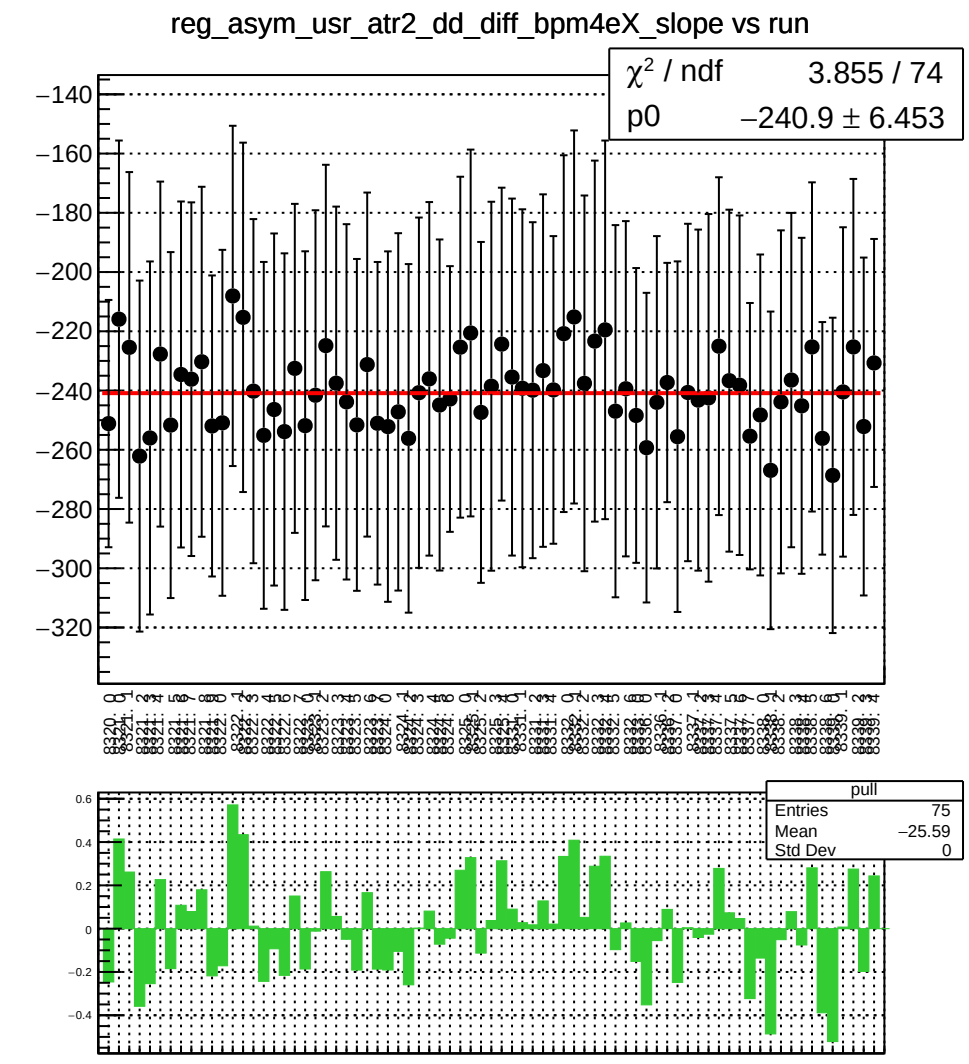

pull1D
Entries 75
Mean −0.001228
Std Dev 0.1994

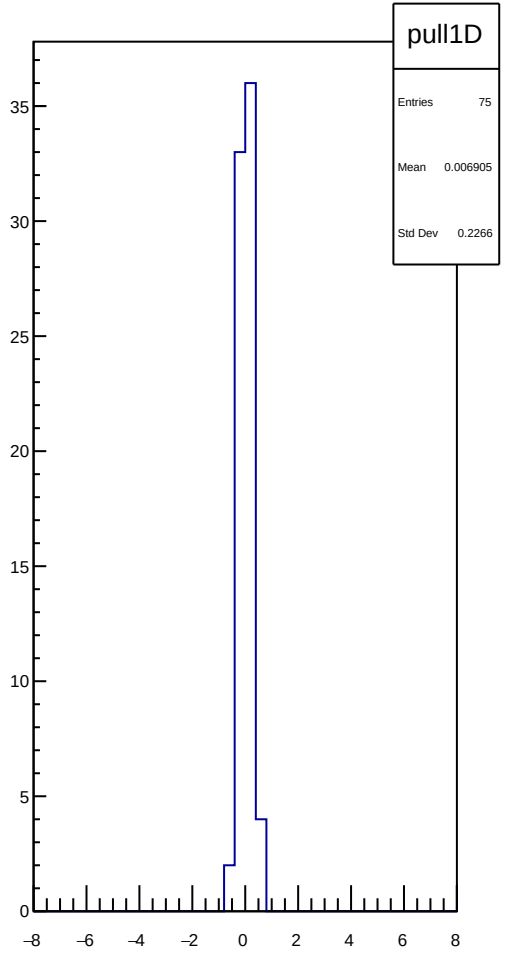

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 3.379 / 74
p0 −179.1 ± 0.9142
−165
−170
−175
−180
−185
−190
pull
Entries 75
Mean 1695
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 75
Mean −0.001249
Std Dev 0.2123
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

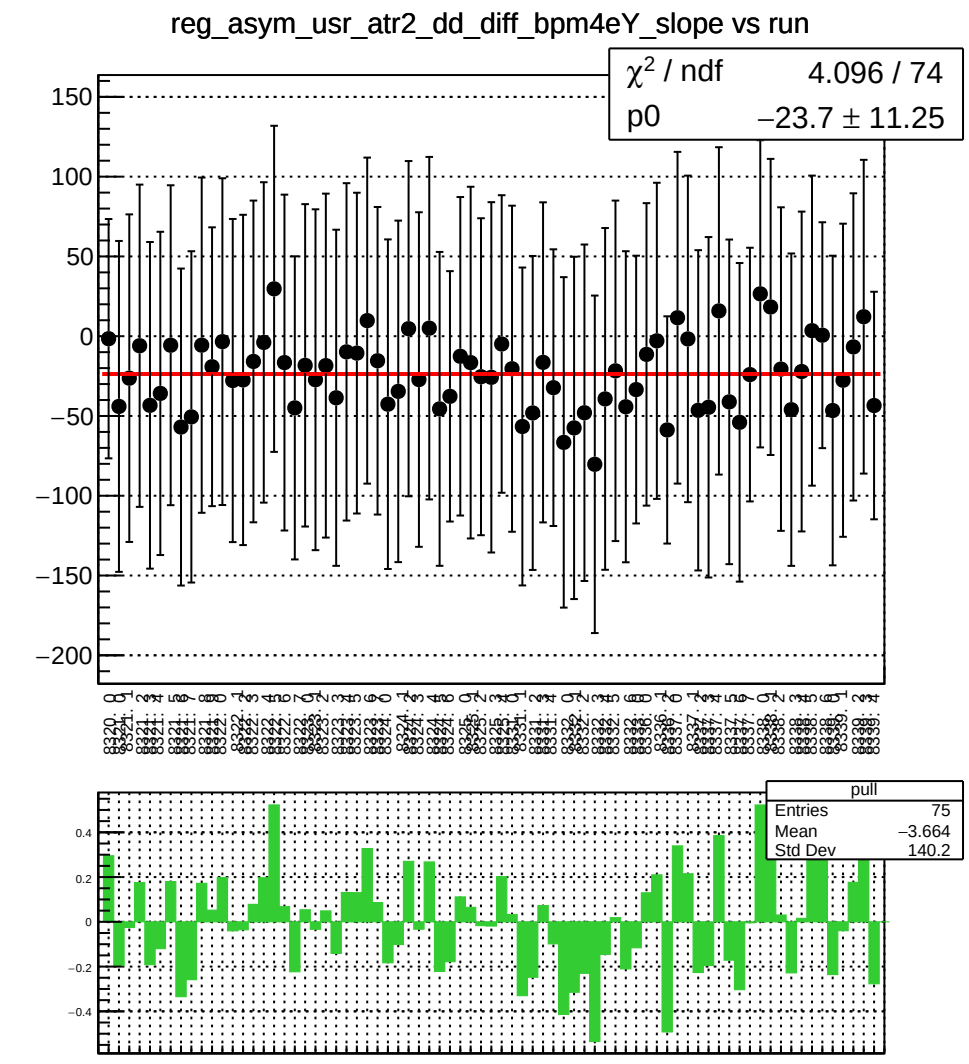

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 4.021 / 74
p0 244.7 ± 5.664
pull
Entries 75
Mean −47.79
Std Dev 0

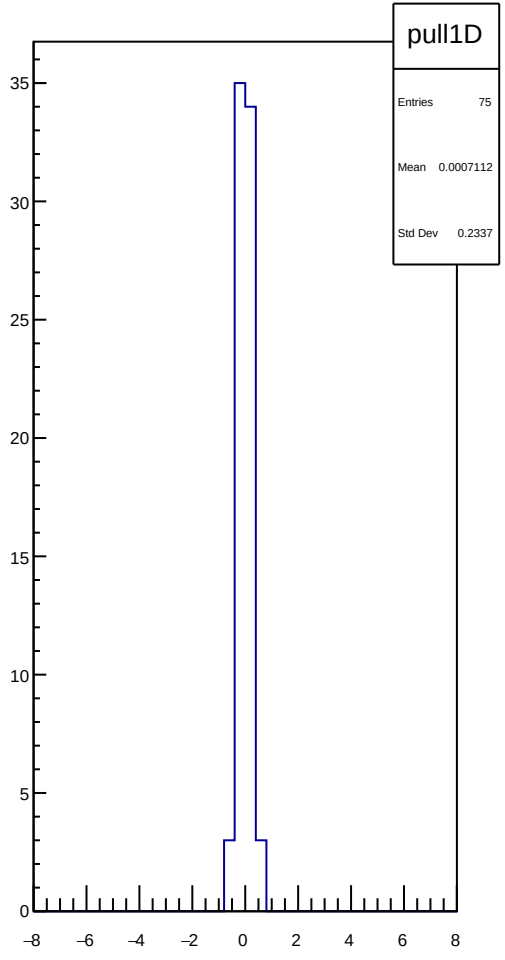

pull1D
Entries 75
Mean −0.008071
Std Dev 0.2314

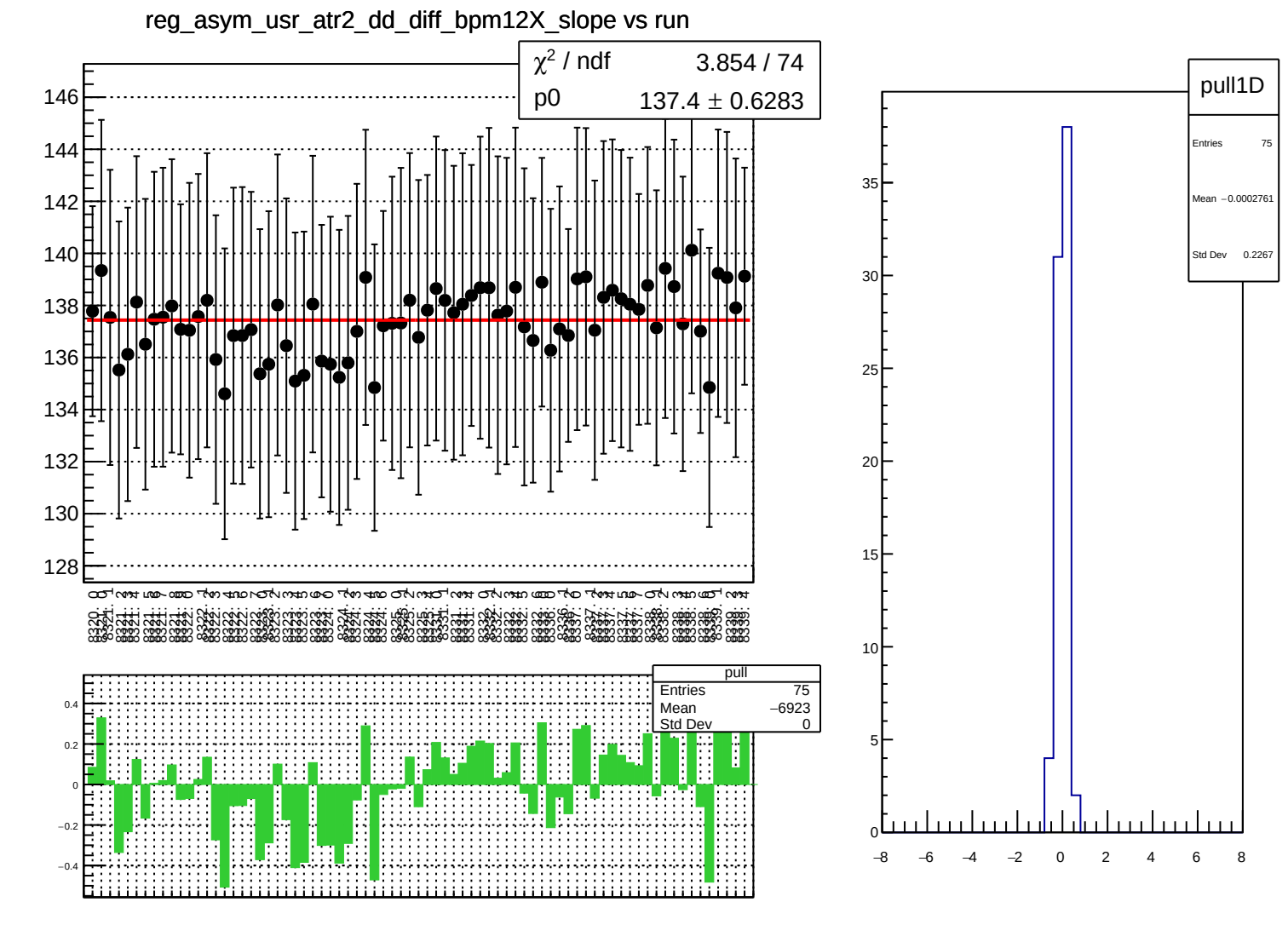

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.071 / 74
p0 −37.63 ± 10.82
pull
Entries 75
Mean −48.61
Std Dev 157
pull1D
Entries 75
Mean −0.0004636
Std Dev 0.233

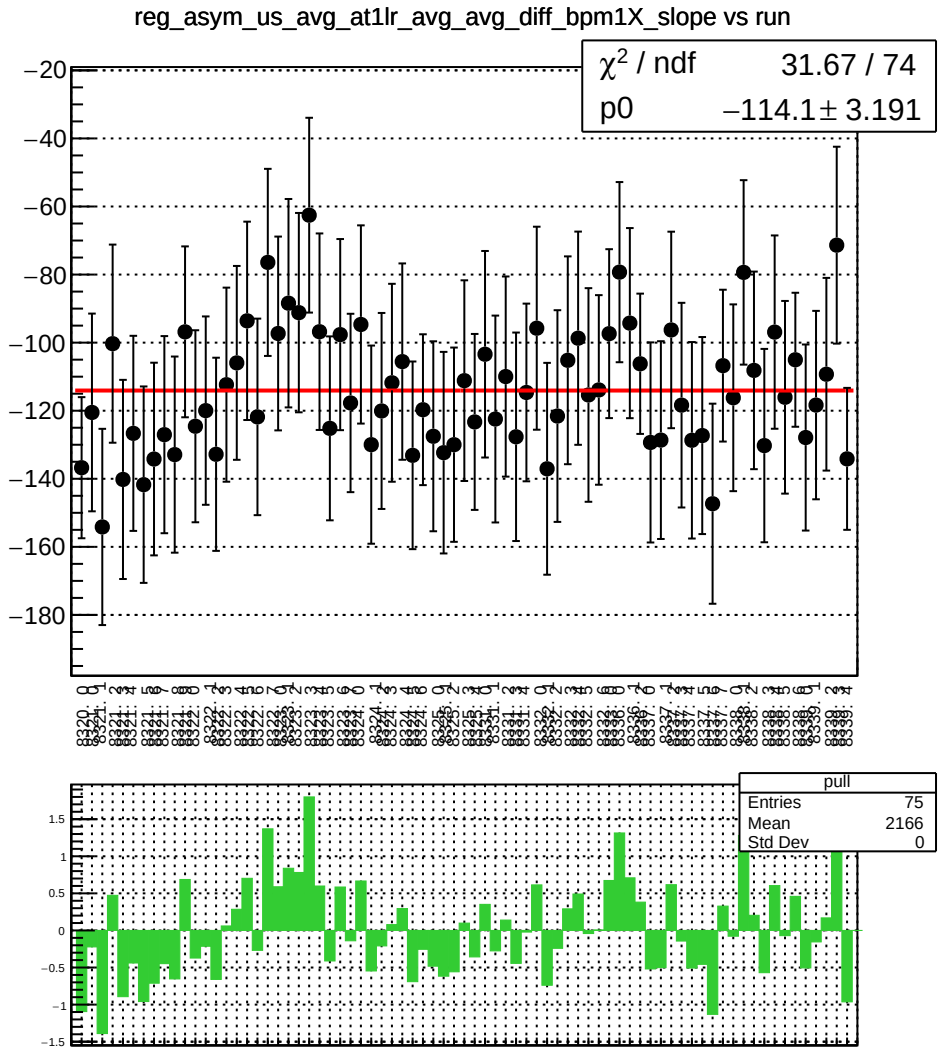

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.855 / 74
p0 −240.9 ± 6.453
pull
Entries 75
Mean −25.59
Std Dev 0

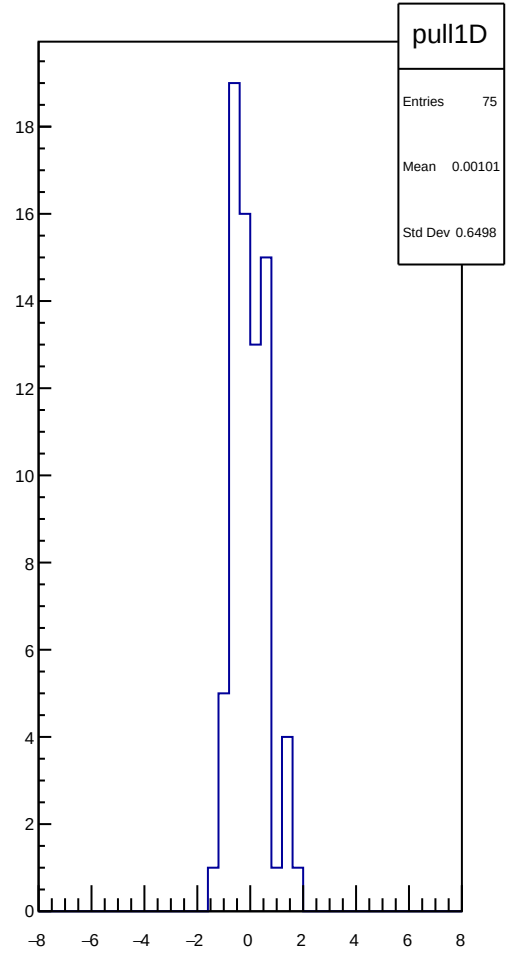

pull1D
Entries 75
Mean 0.006905
Std Dev 0.2266

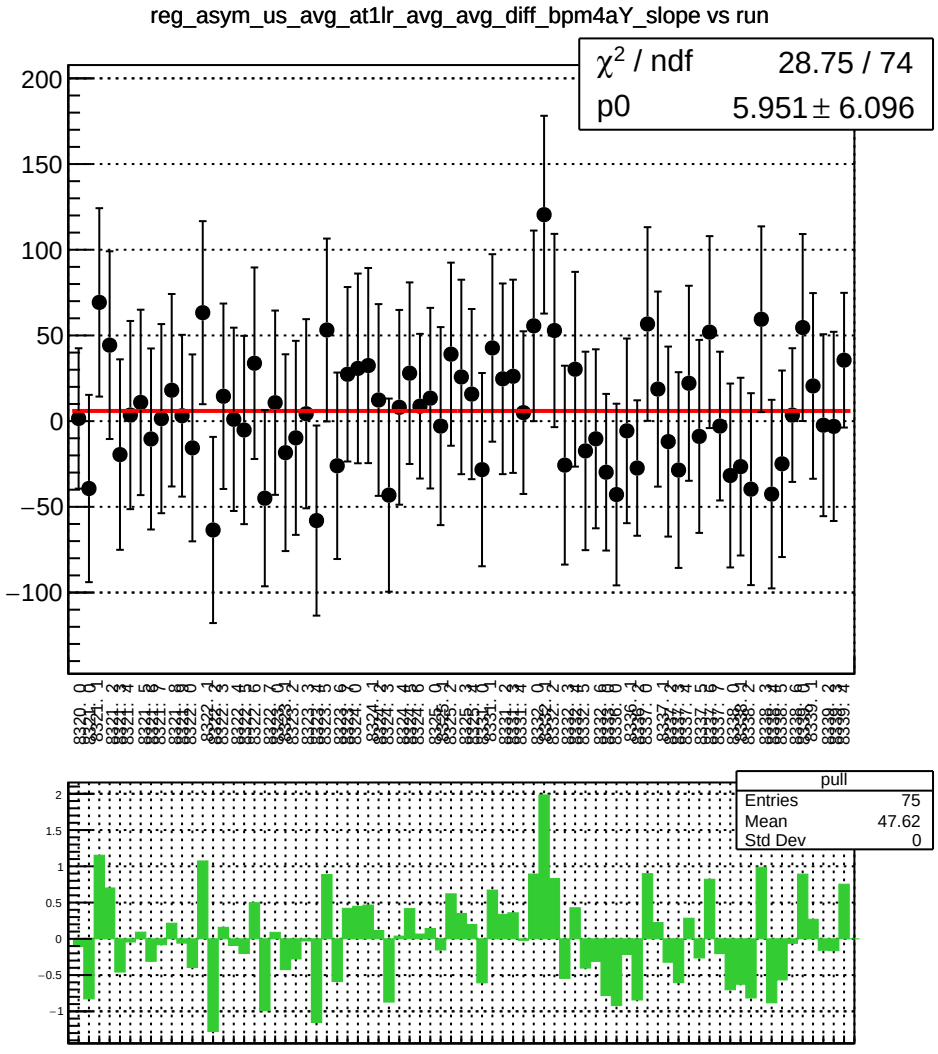

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.096 / 74
p0 −23.7 ± 11.25
pull
Entries 75
Mean −3.664
Std Dev 140.2

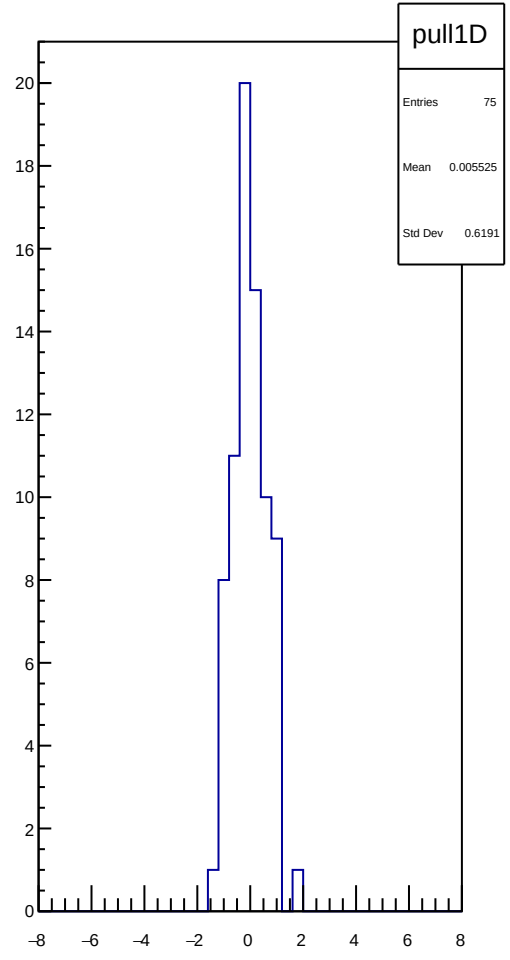

pull1D
Entries 75
Mean 0.0007112
Std Dev 0.2337

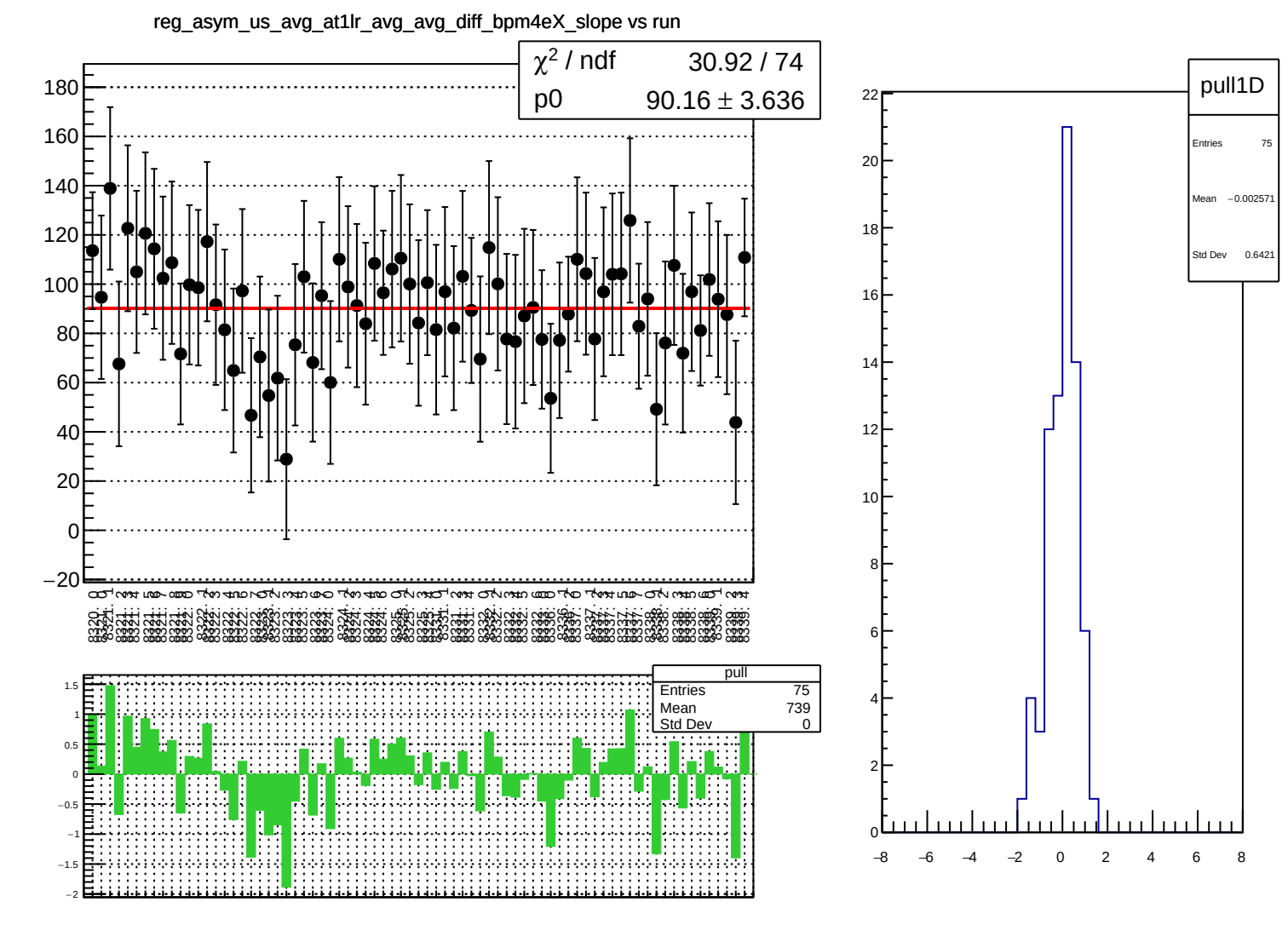

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 3.854 / 74
p0 137.4 ± 0.6283
pull
Entries 75
Mean −6923
Std Dev 0
pull1D
Entries 75
Mean −0.0002761
Std Dev 0.2267

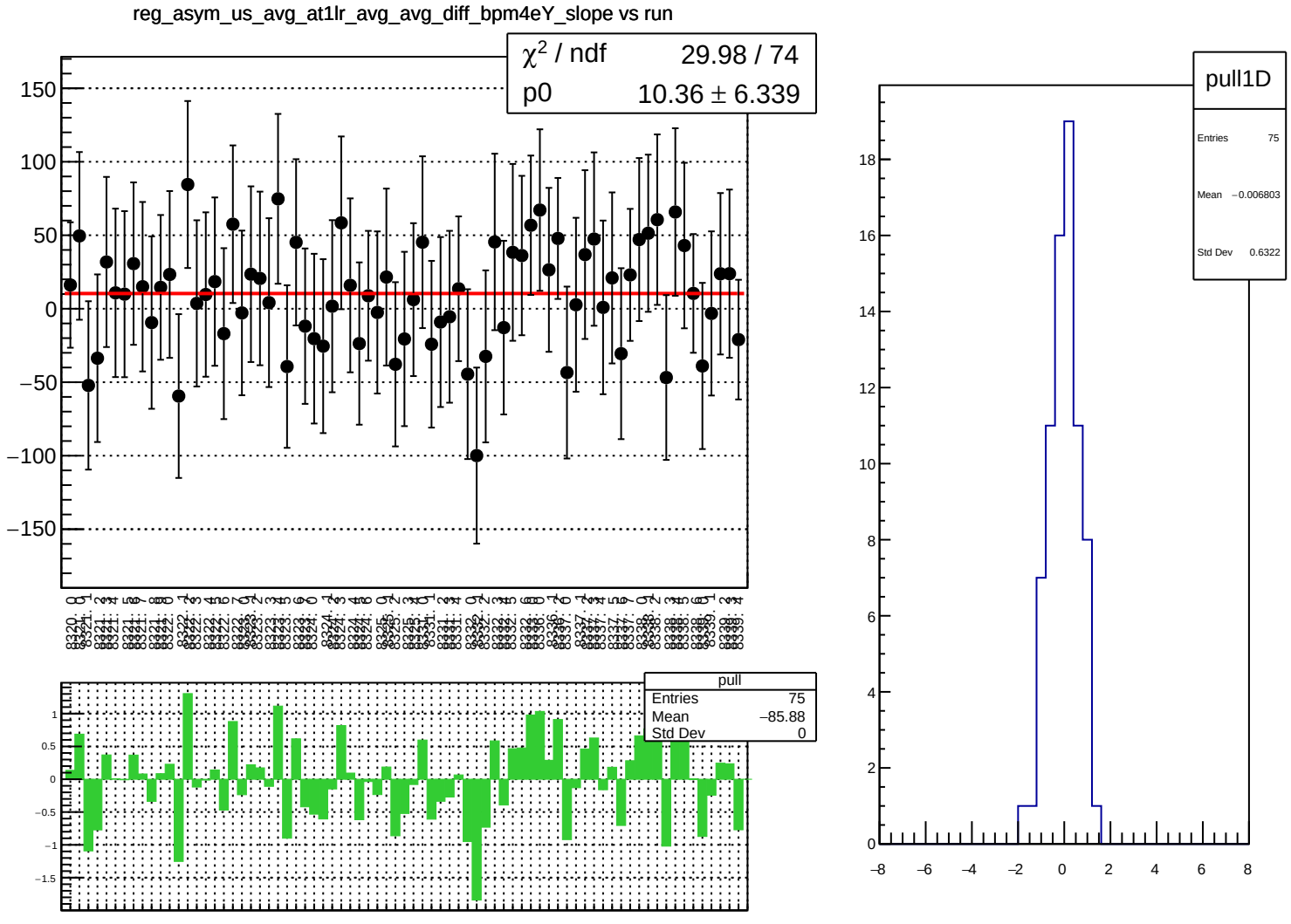

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 31.67 / 74
p0 −114.1 ± 3.191
pull
Entries 75
Mean 2166
Std Dev 0

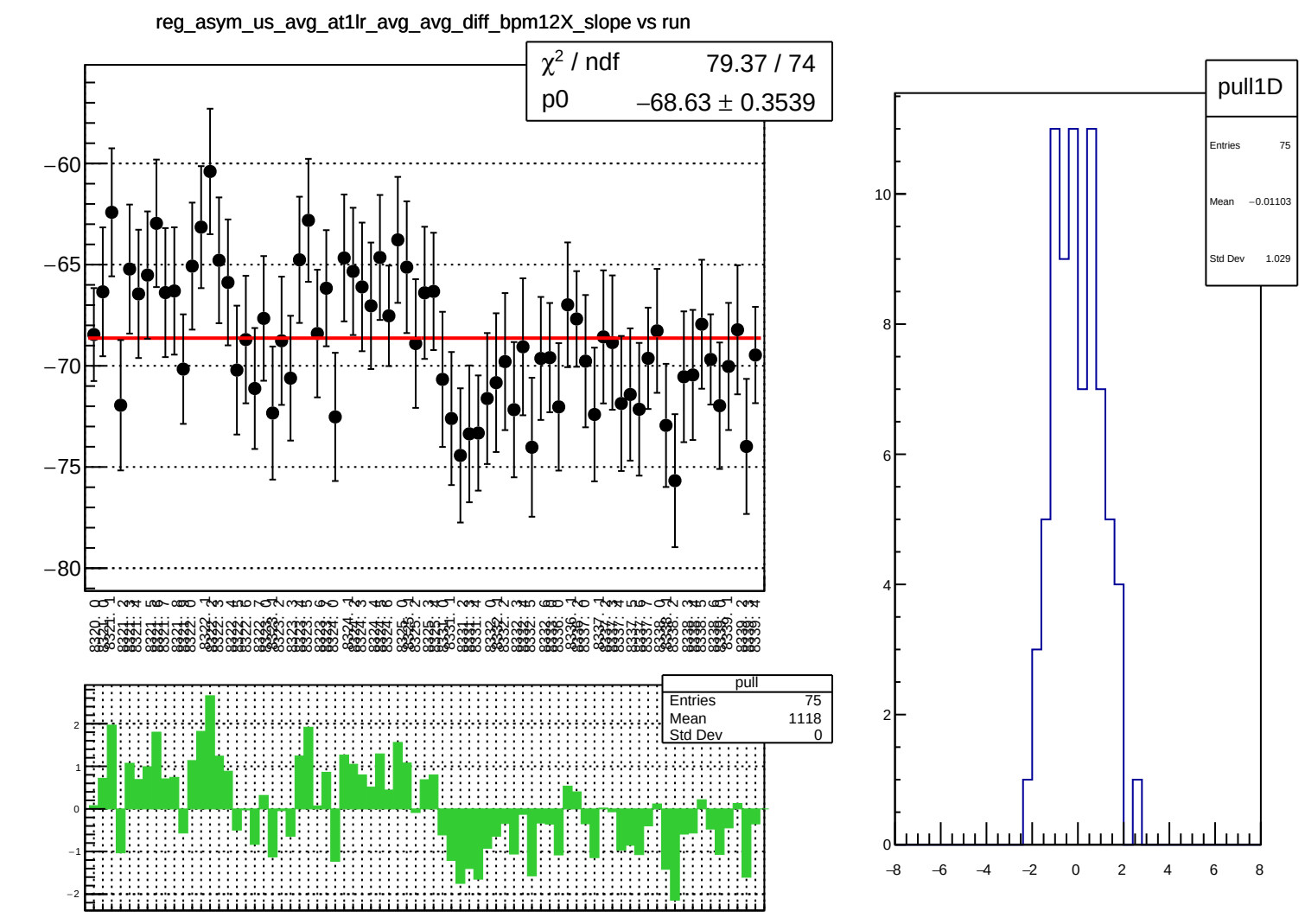

pull1D
Entries 75
Mean 0.00101
Std Dev 0.6498

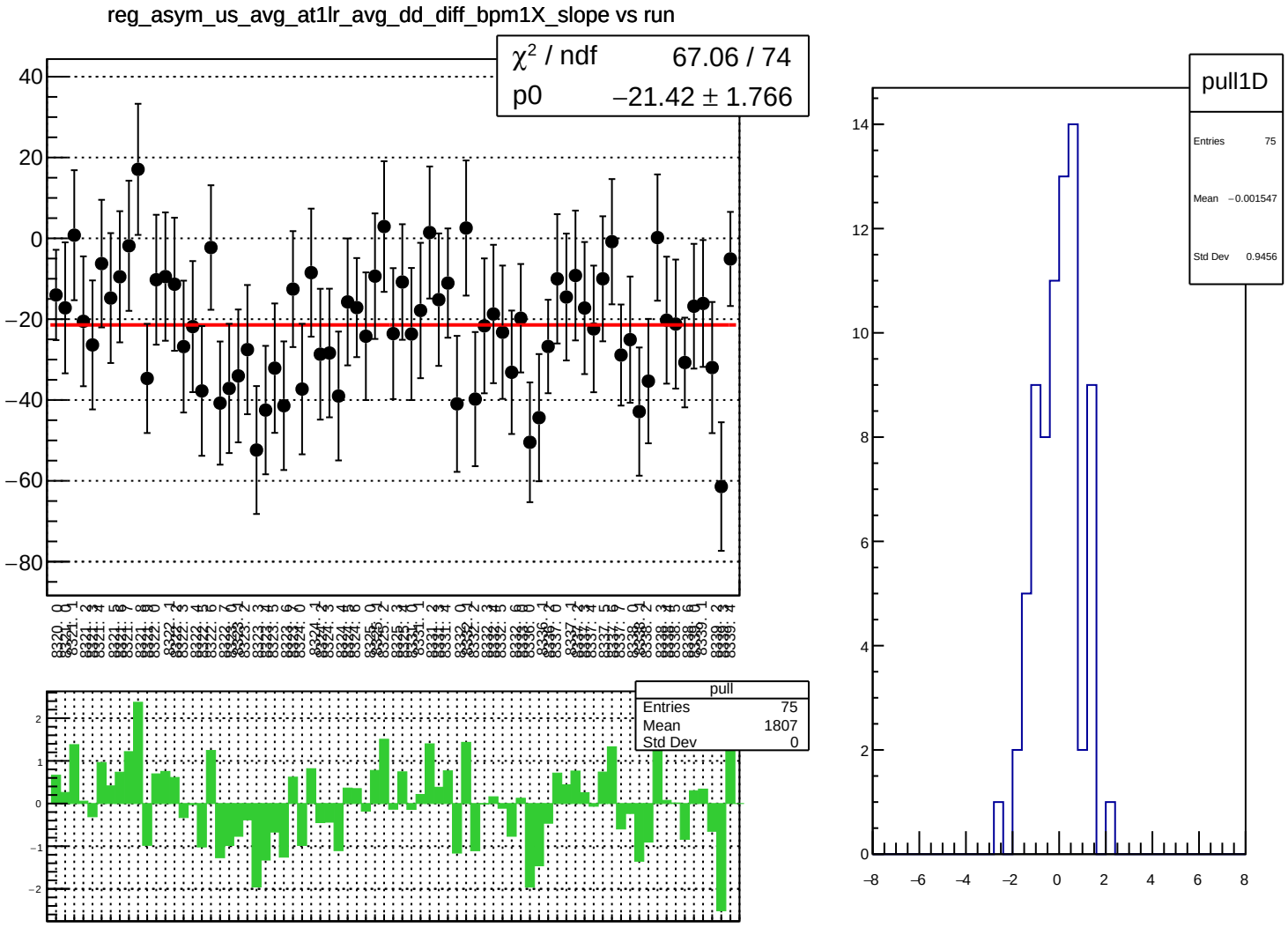

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.75 / 74
p0 5.951 ± 6.096
pull
Entries 75
Mean 47.62
Std Dev 0

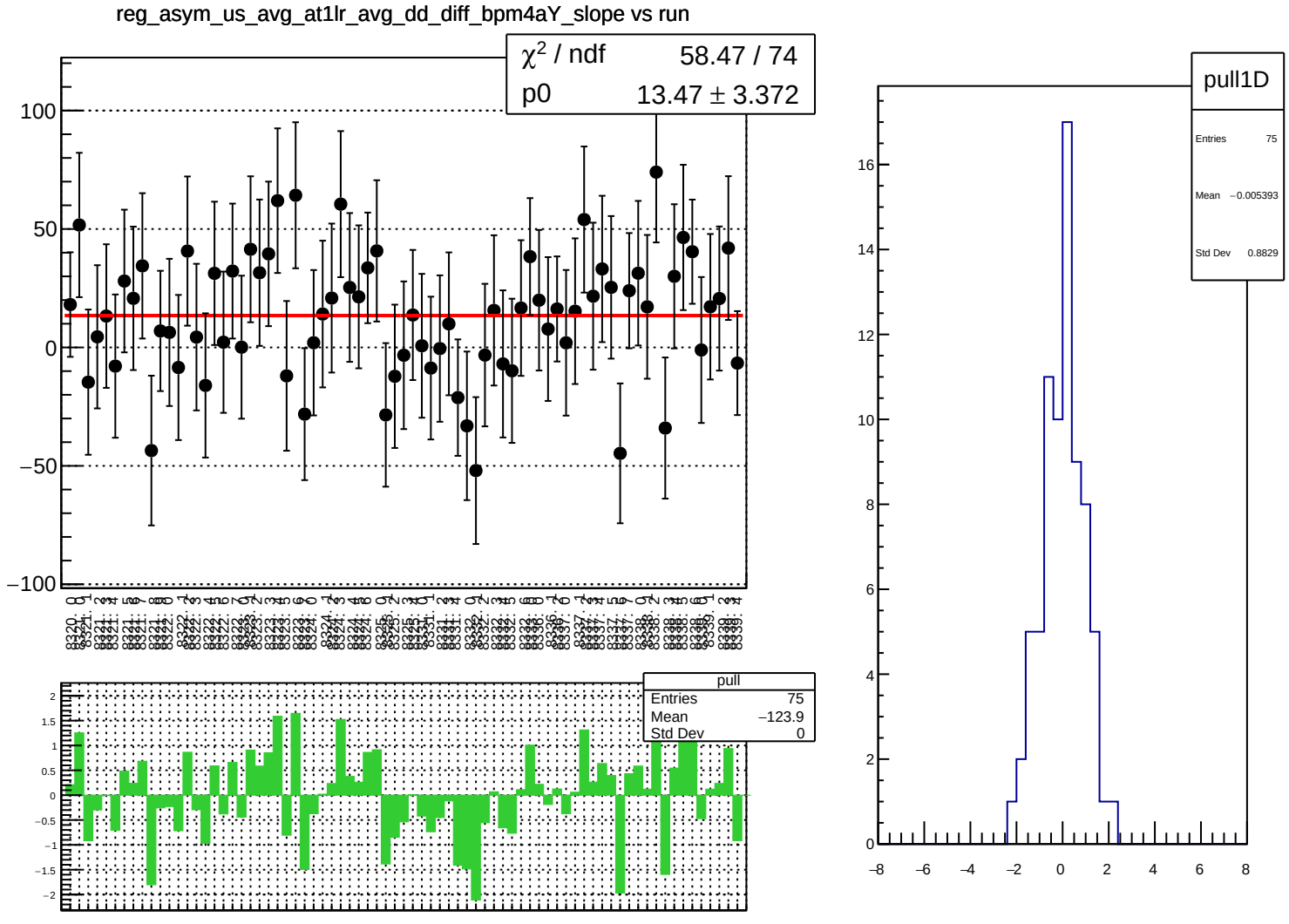

pull1D
Entries 75
Mean 0.005525
Std Dev 0.6191

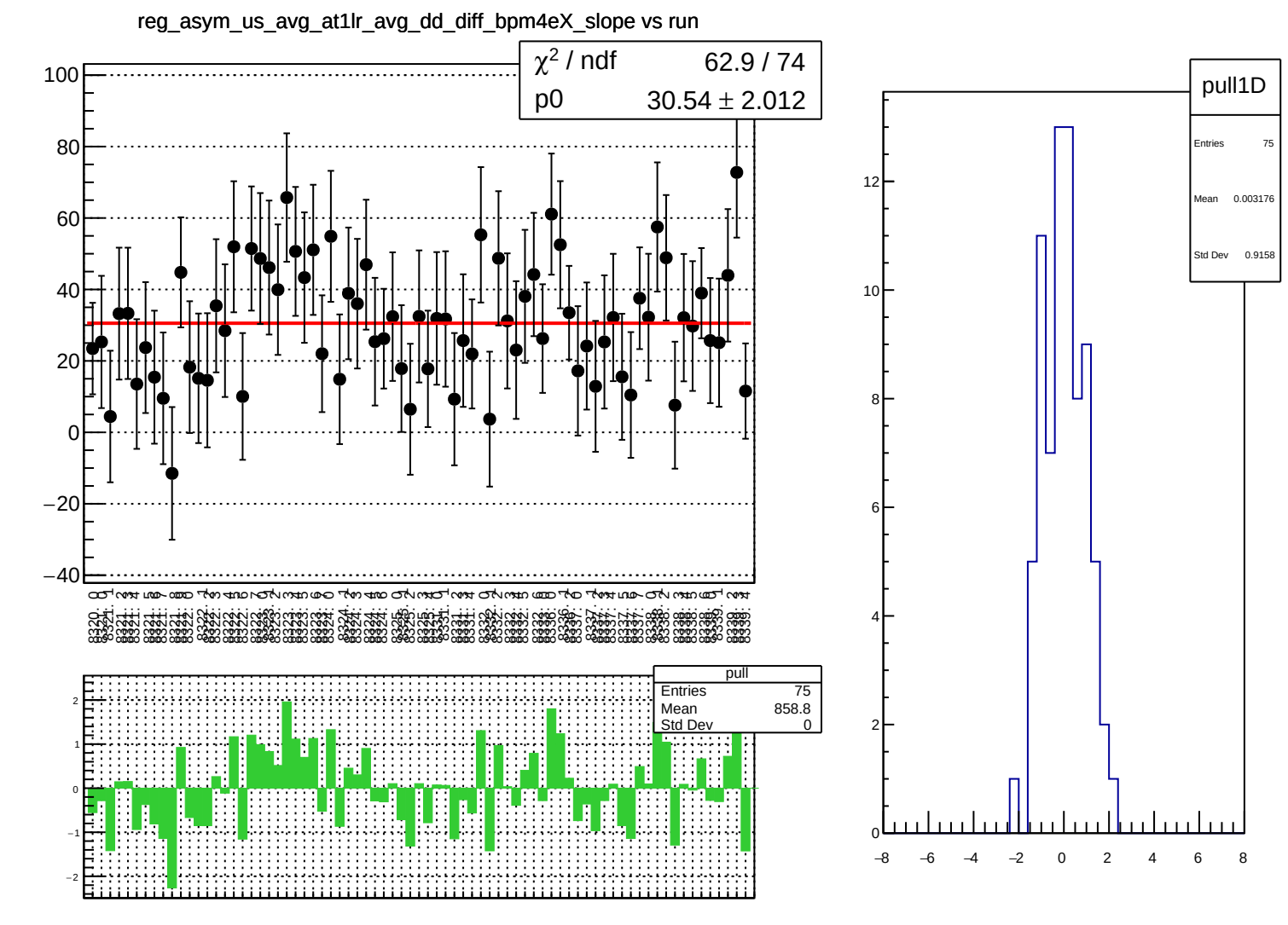

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.92 / 74
p0 90.16 ± 3.636
pull
Entries 75
Mean 739
Std Dev 0
pull1D
Entries 75
Mean −0.002571
Std Dev 0.6421

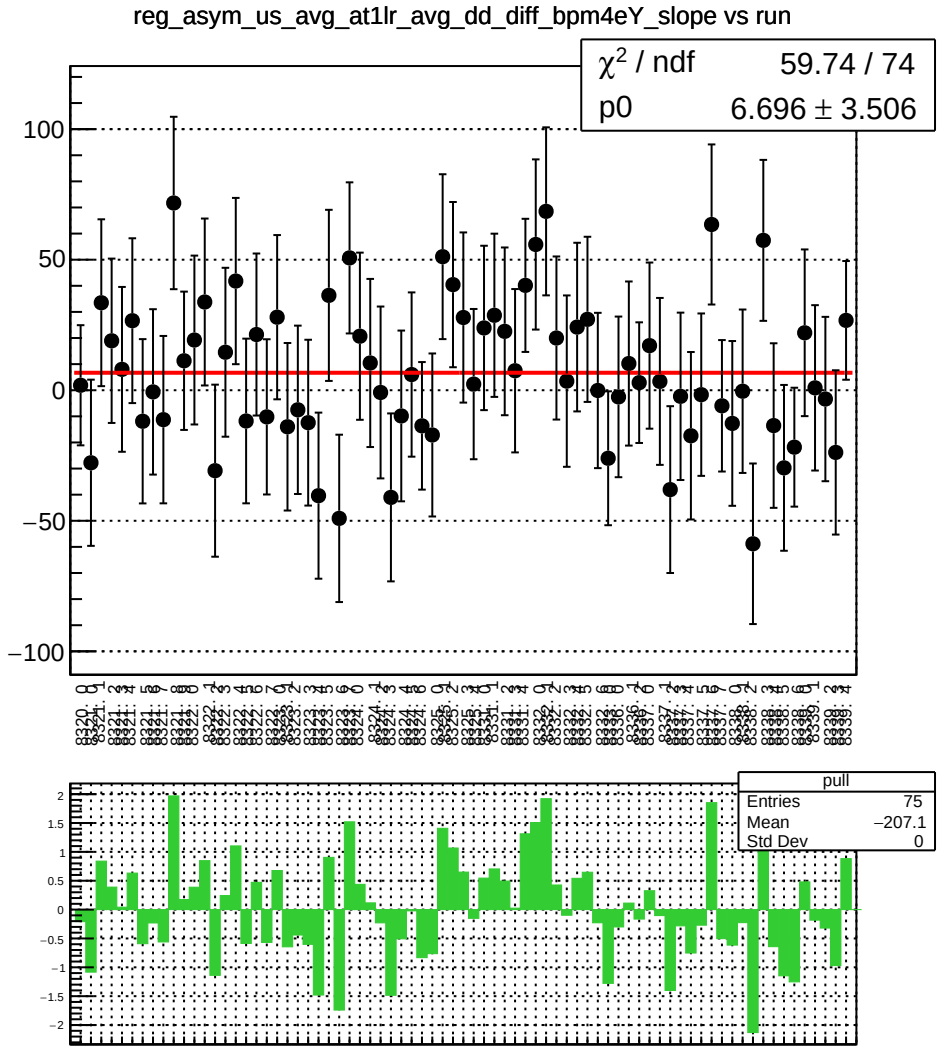

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.98 / 74
p0 10.36 ± 6.339
pull
Entries 75
Mean −85.88
Std Dev 0
pull1D
Entries 75
Mean −0.006803
Std Dev 0.6322

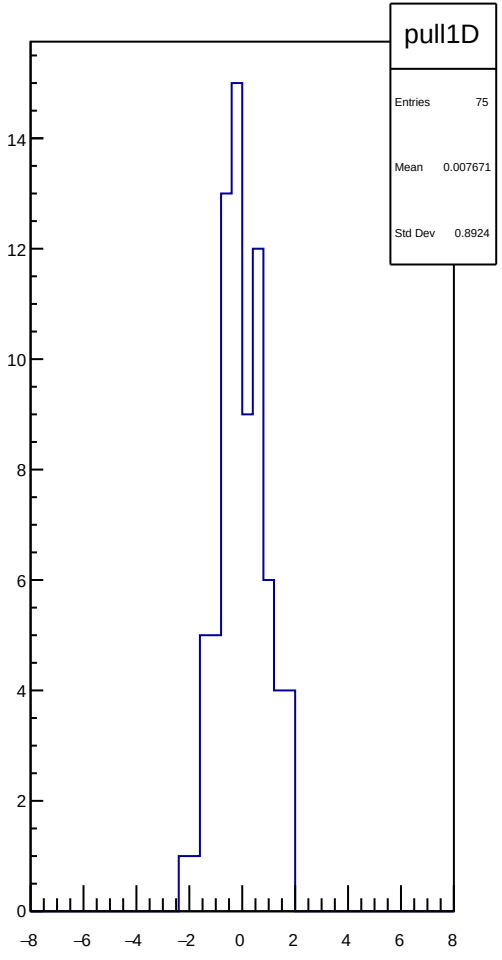

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 79.37 / 74
p0 −68.63 ± 0.3539
pull
Entries 75
Mean 1118
Std Dev 0
pull1D
Entries 75
Mean −0.01103
Std Dev 1.029

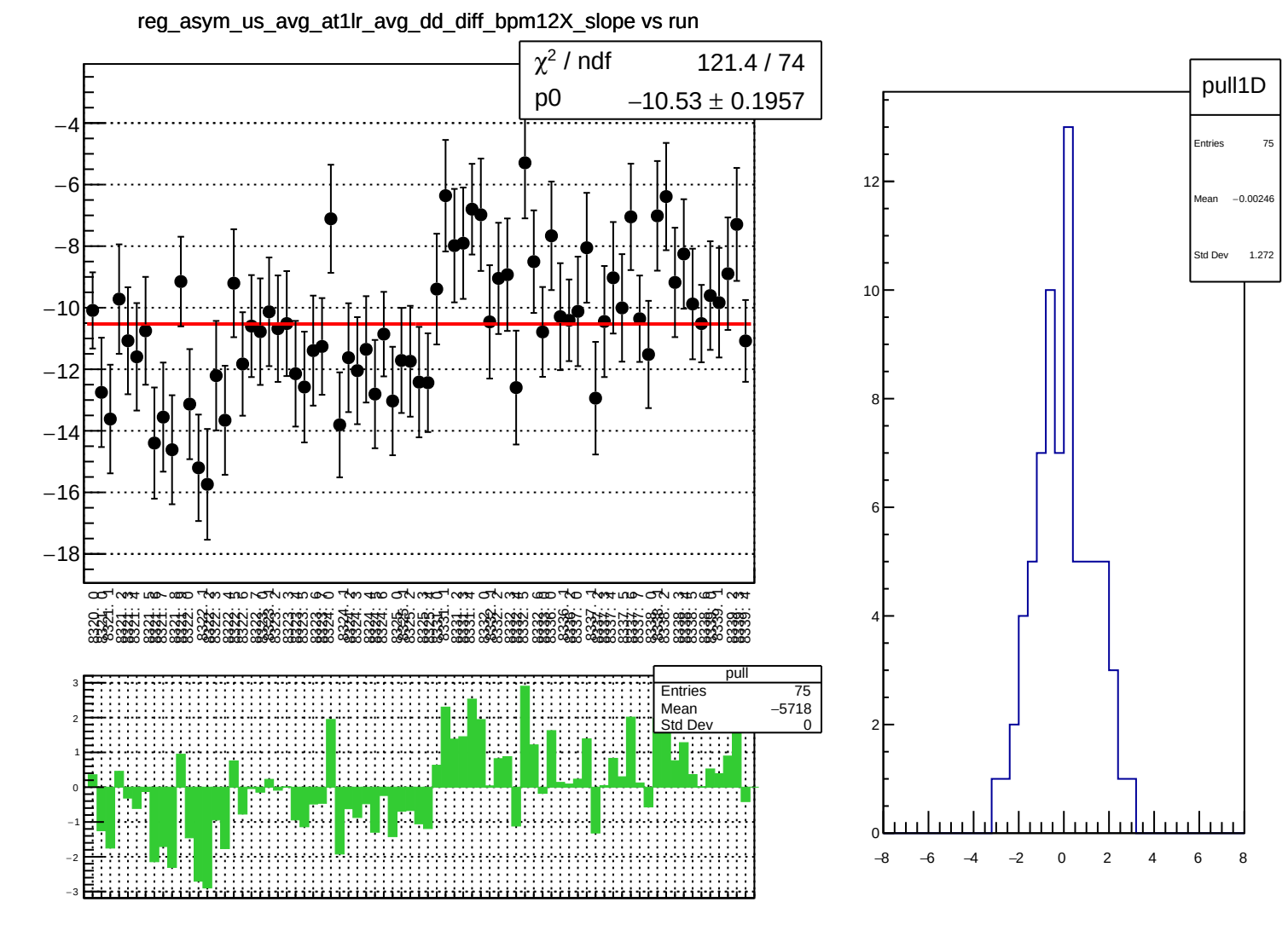

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 67.06 / 74
p0 −21.42 ± 1.766
pull
Entries 75
Mean 1807
Std Dev 0
pull1D
Entries 75
Mean −0.001547
Std Dev 0.9456

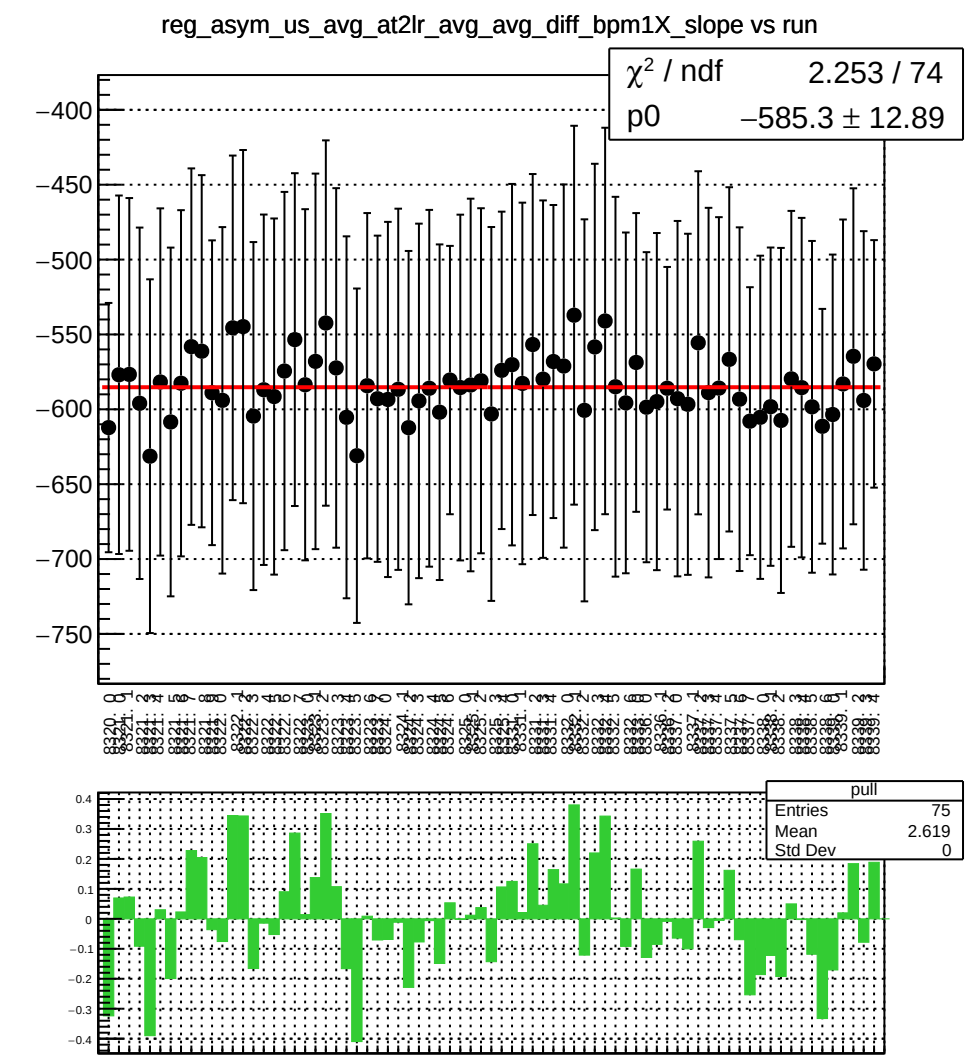

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.47 / 74
p0 13.47 ± 3.372
100
50
0
−50
−100
pull
Entries 75
Mean −123.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 75
Mean −0.005393
Std Dev 0.8829
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

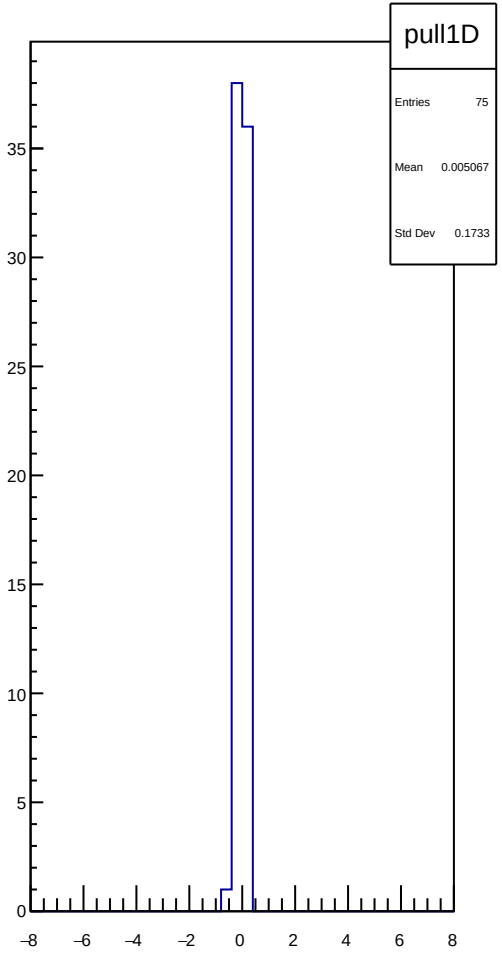

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.9 / 74
p0 30.54 ± 2.012
pull
Entries 75
Mean 858.8
Std Dev 0
pull1D
Entries 75
Mean 0.003176
Std Dev 0.9158

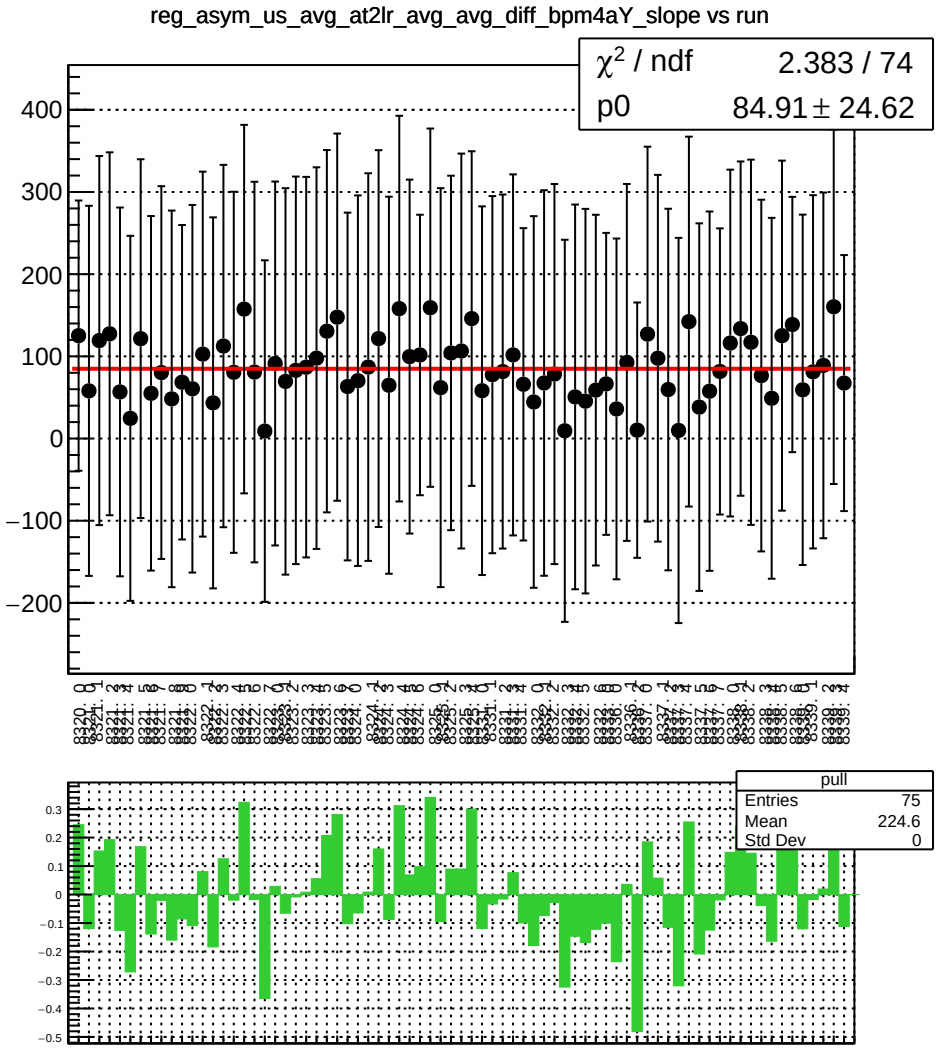

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.74 / 74
p0 6.696 ± 3.506
pull
Entries 75
Mean −207.1
Std Dev 0

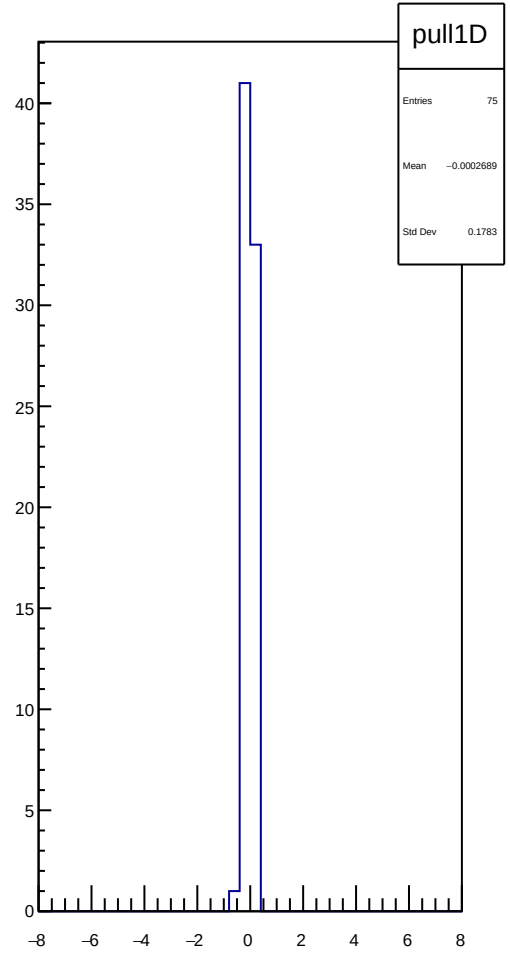

pull1D
Entries 75
Mean 0.007671
Std Dev 0.8924

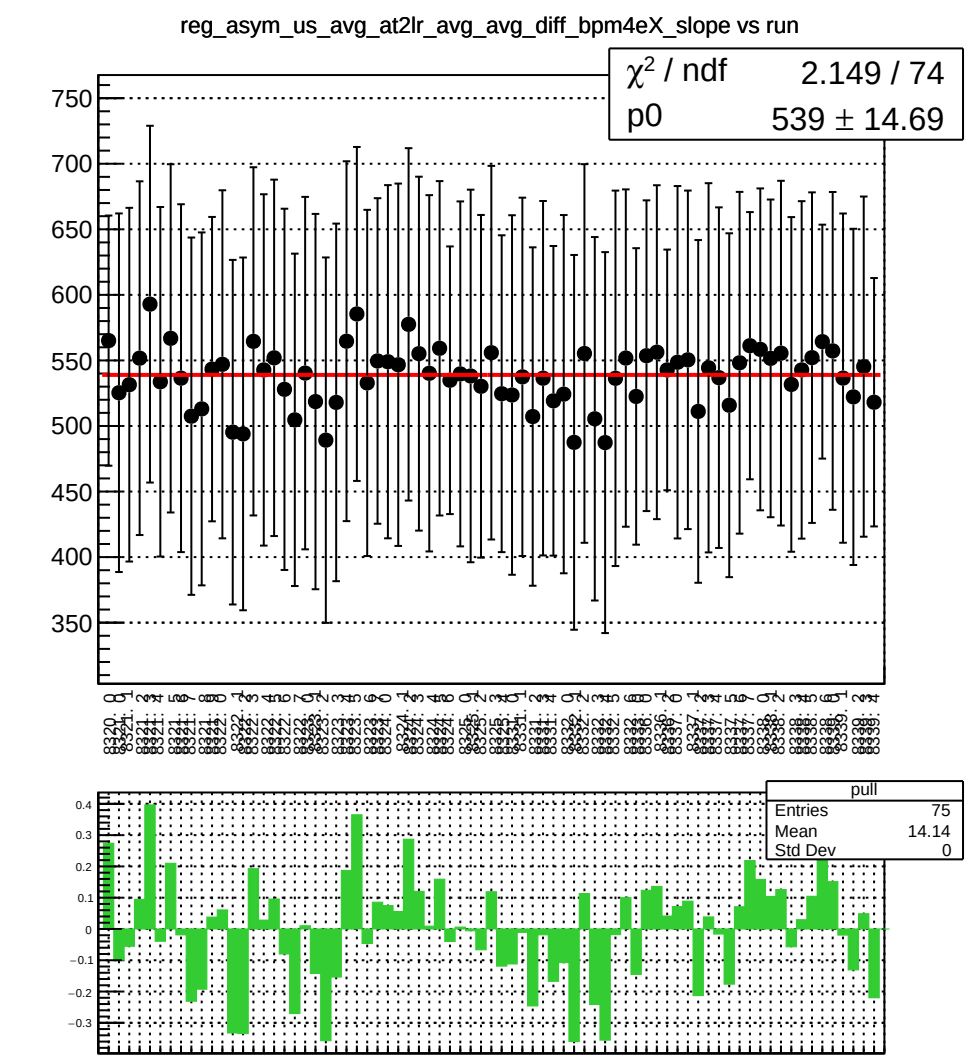

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 121.4 / 74
p0 −10.53 ± 0.1957
pull
Entries 75
Mean −5718
Std Dev 0
pull1D
Entries 75
Mean −0.00246
Std Dev 1.272

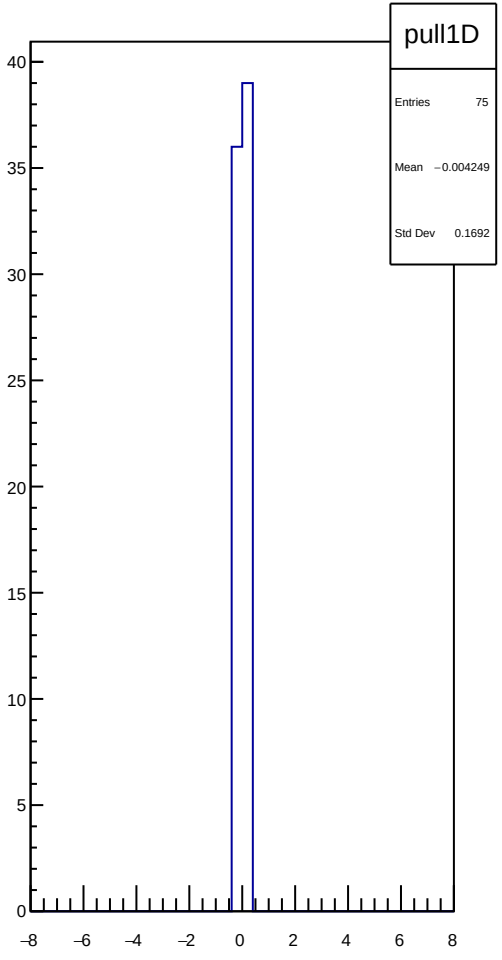

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 2.253 / 74
p0 −585.3 ± 12.89
pull
Entries 75
Mean 2.619
Std Dev 0

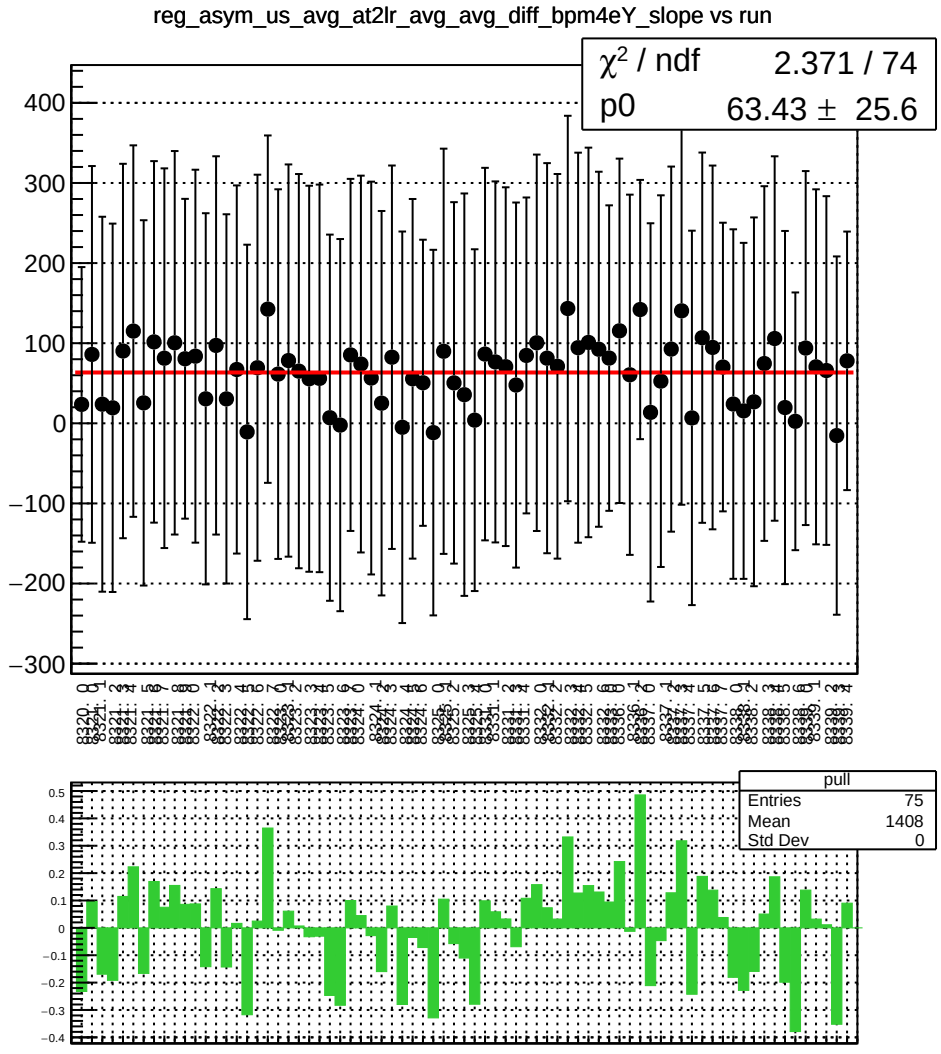

pull1D
Entries 75
Mean 0.005067
Std Dev 0.1733

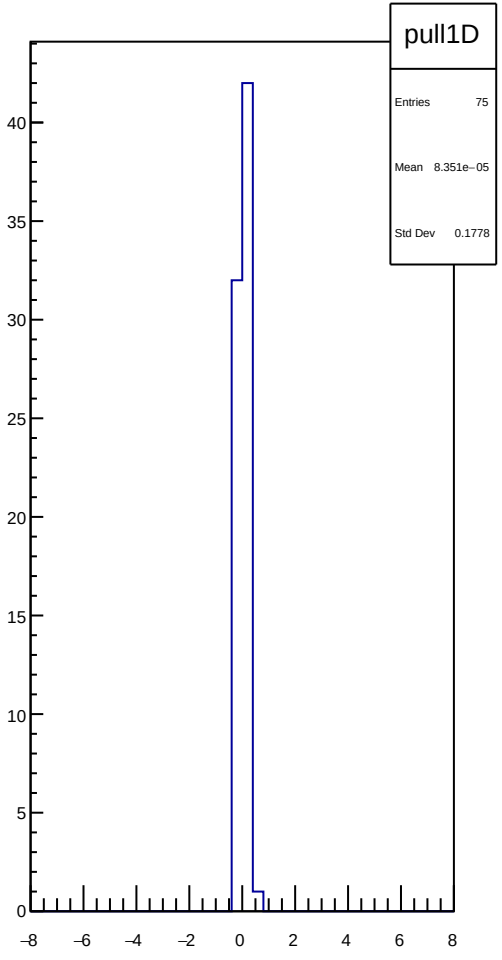

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.383 / 74
p0 84.91 ± 24.62
pull
Entries 75
Mean 224.6
Std Dev 0

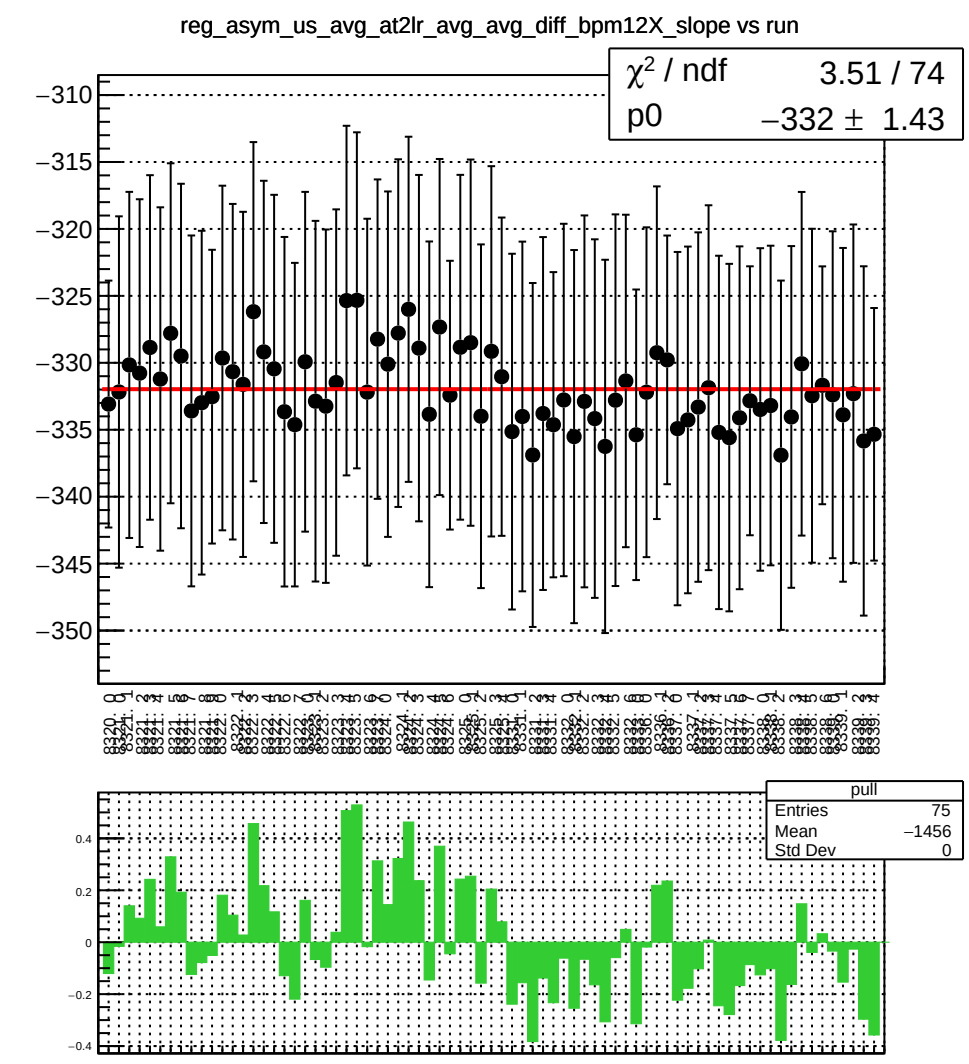

pull1D
Entries 75
Mean −0.0002689
Std Dev 0.1783

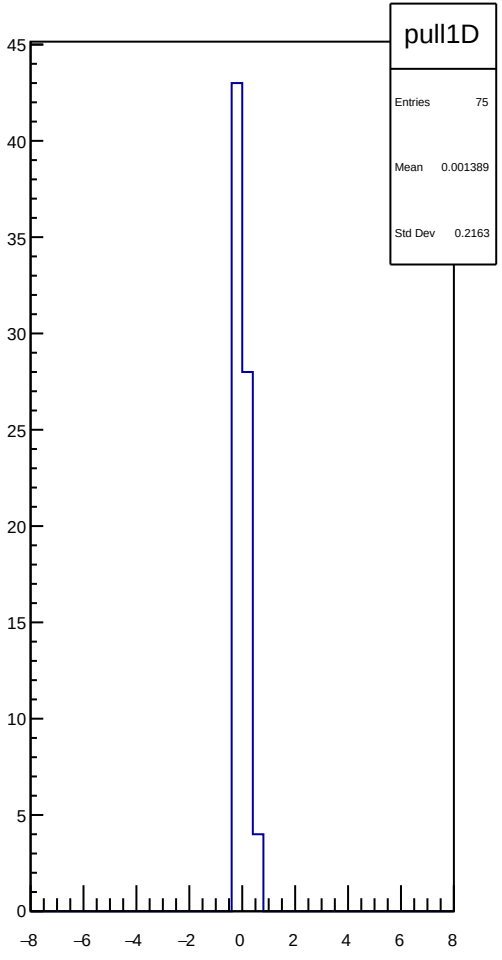

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.149 / 74
p0 539 ± 14.69
pull
Entries 75
Mean 14.14
Std Dev 0

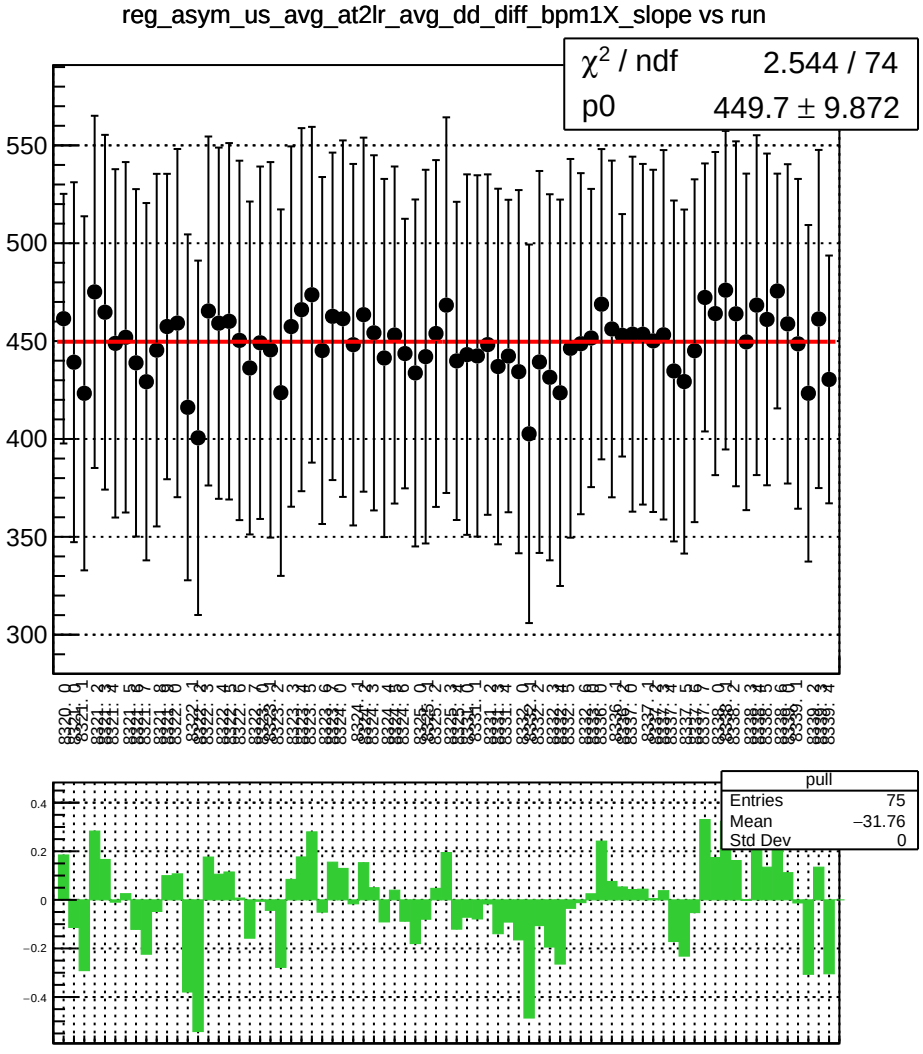

pull1D
Entries 75
Mean −0.004249
Std Dev 0.1692

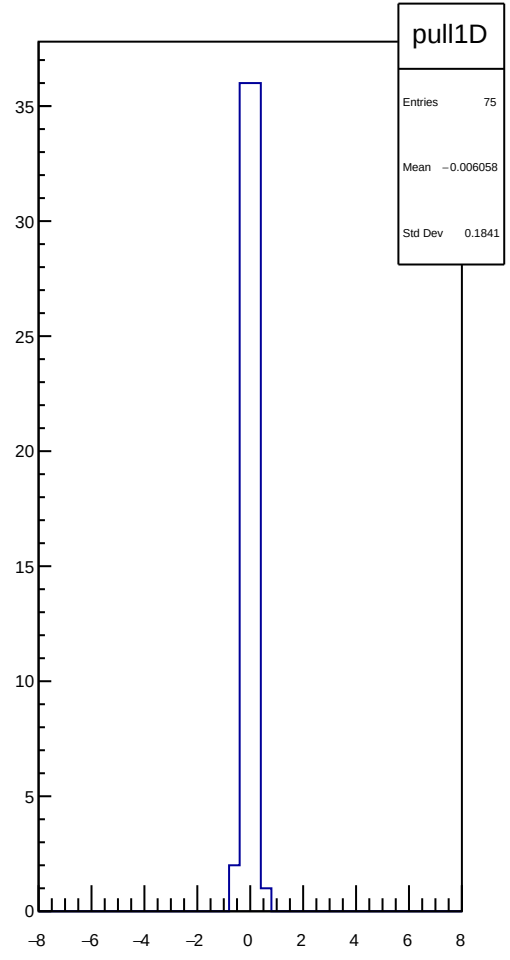

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.371 / 74
p0 63.43 ± 25.6
pull
Entries 75
Mean 1408
Std Dev 0

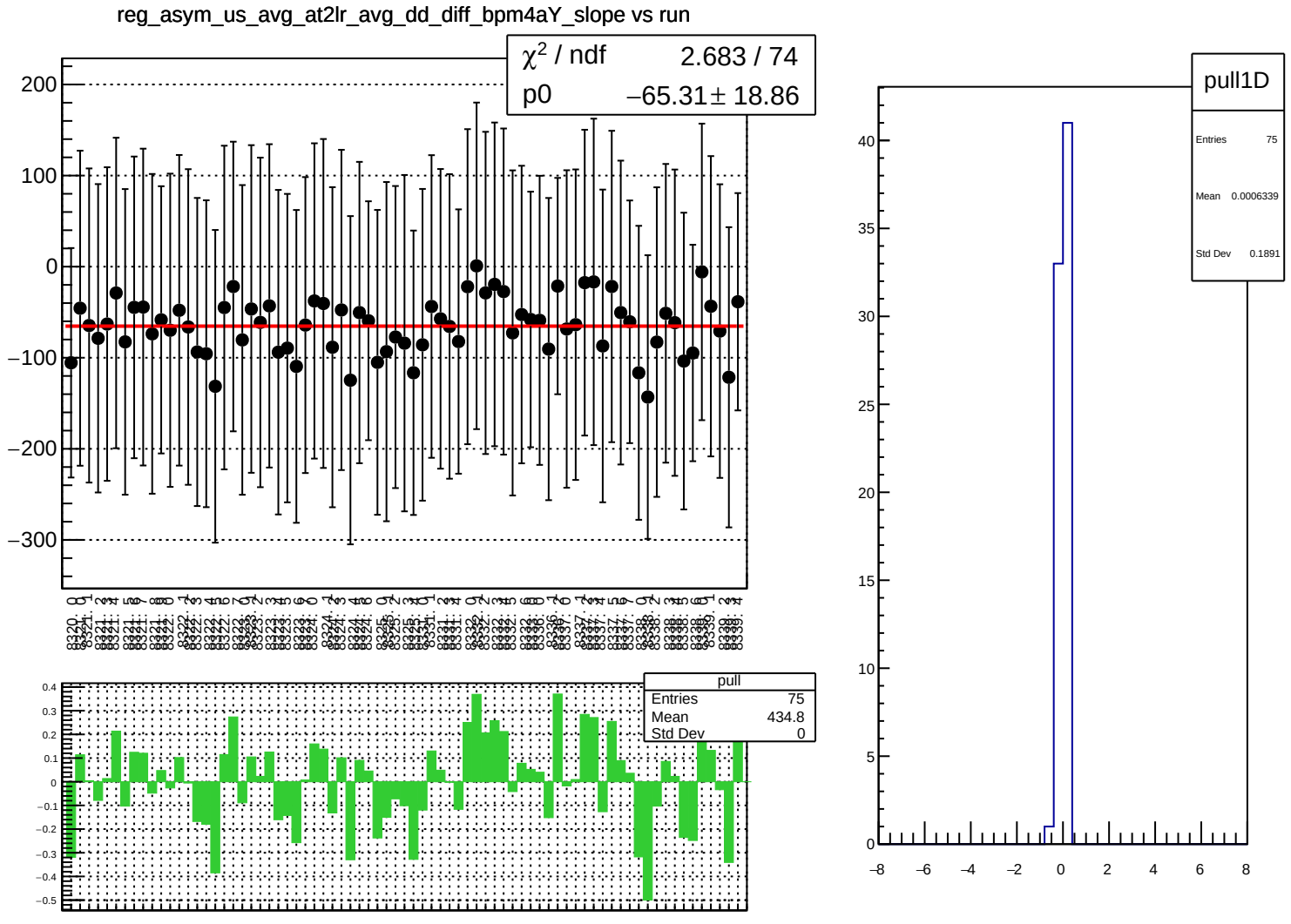

pull1D
Entries 75
Mean 8.351e−05
Std Dev 0.1778

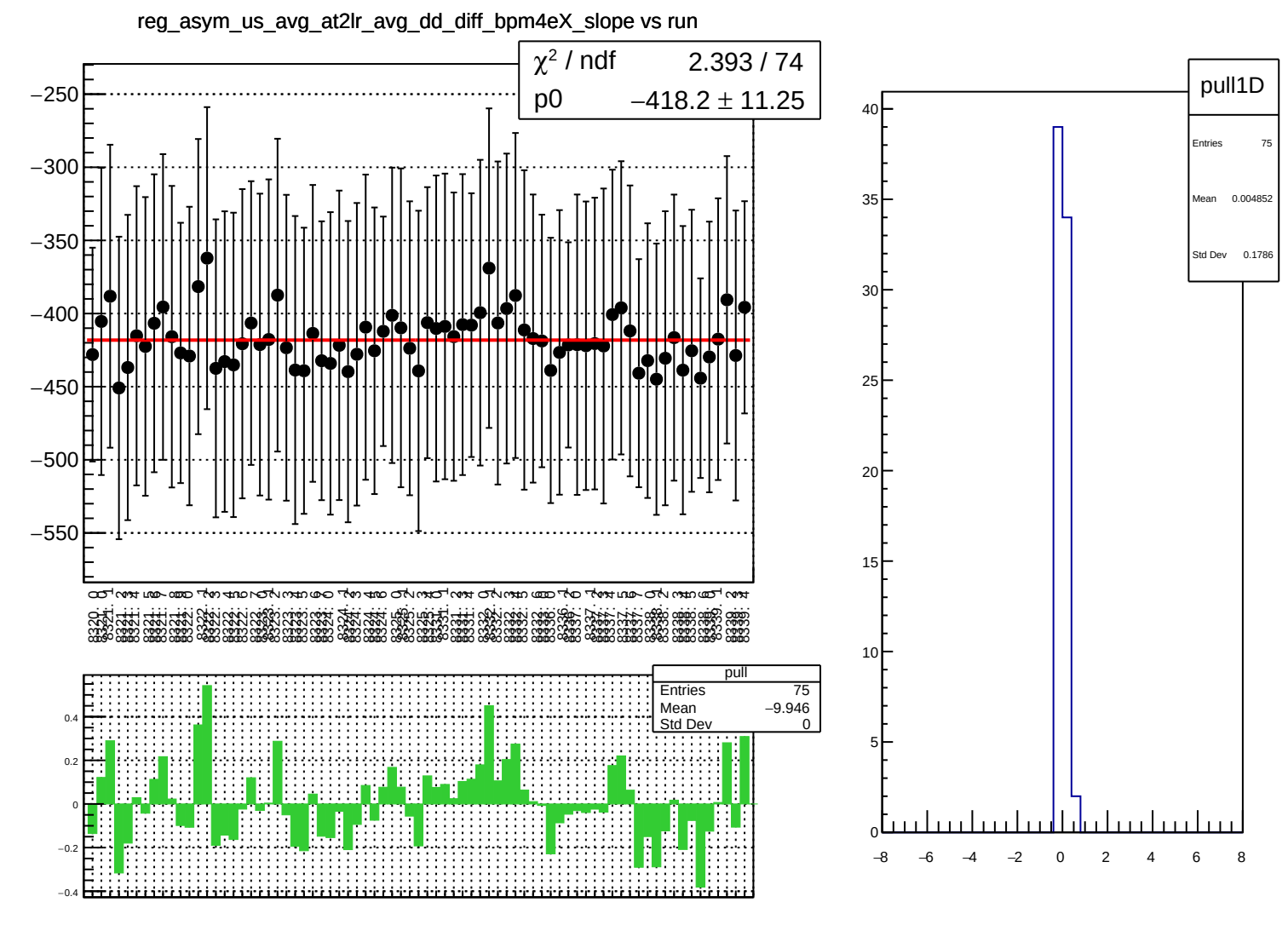

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 3.51 / 74
p0 −332 ± 1.43
pull
Entries 75
Mean −1456
Std Dev 0

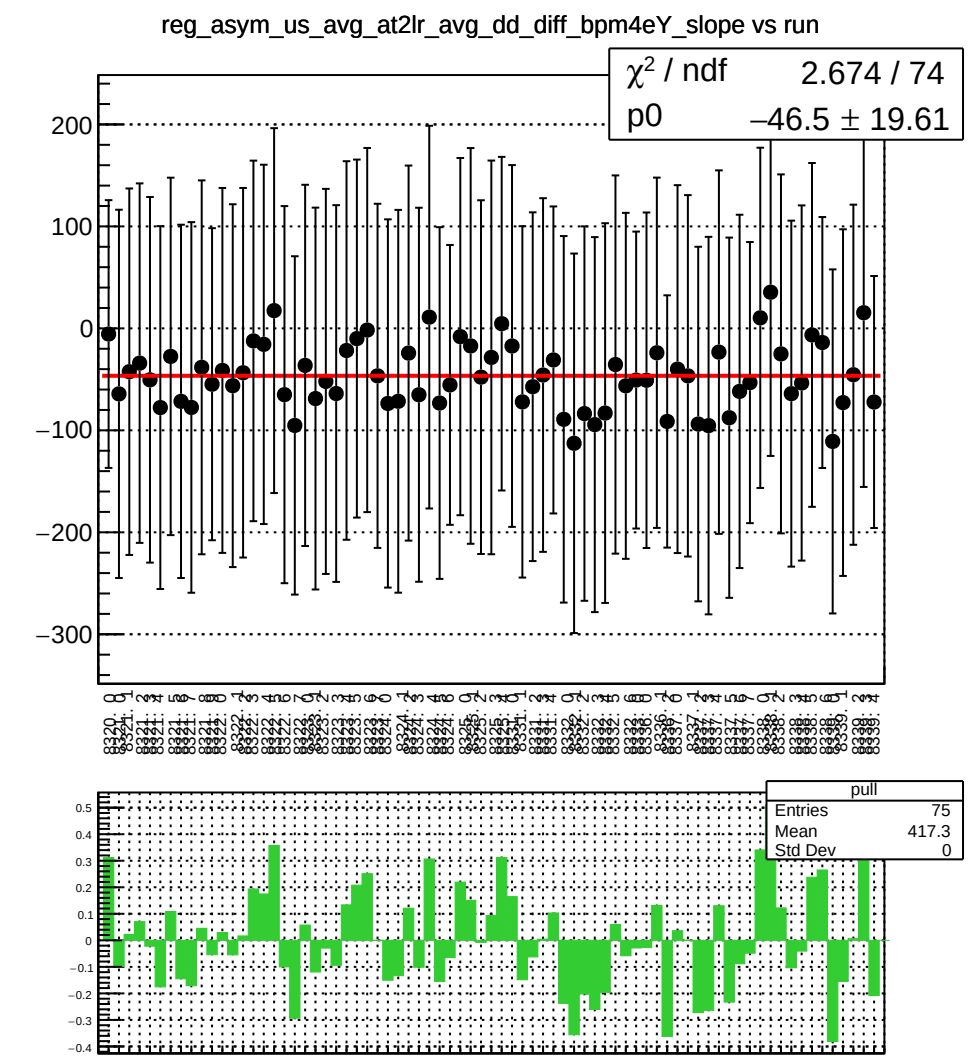

pull1D
Entries 75
Mean 0.001389
Std Dev 0.2163

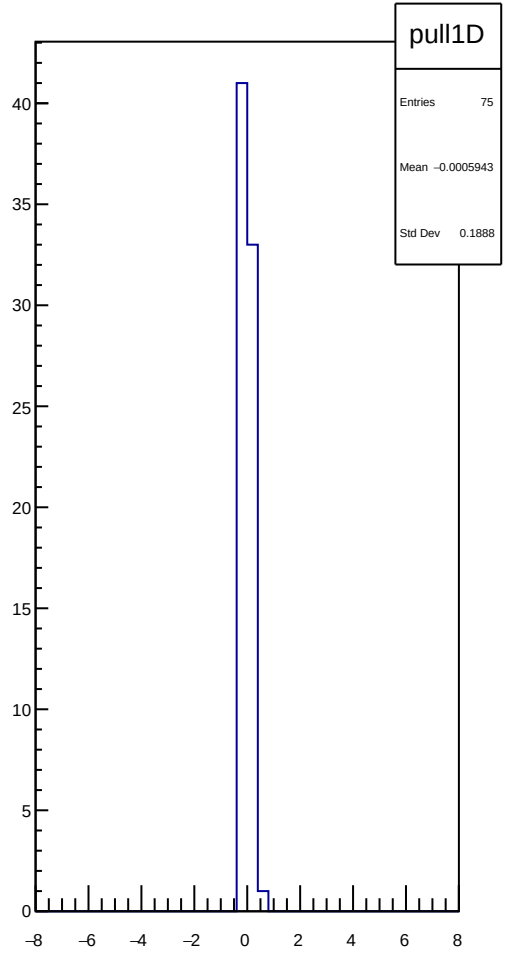

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 2.544 / 74
p0 449.7 ± 9.872
pull
Entries 75
Mean −31.76
Std Dev 0

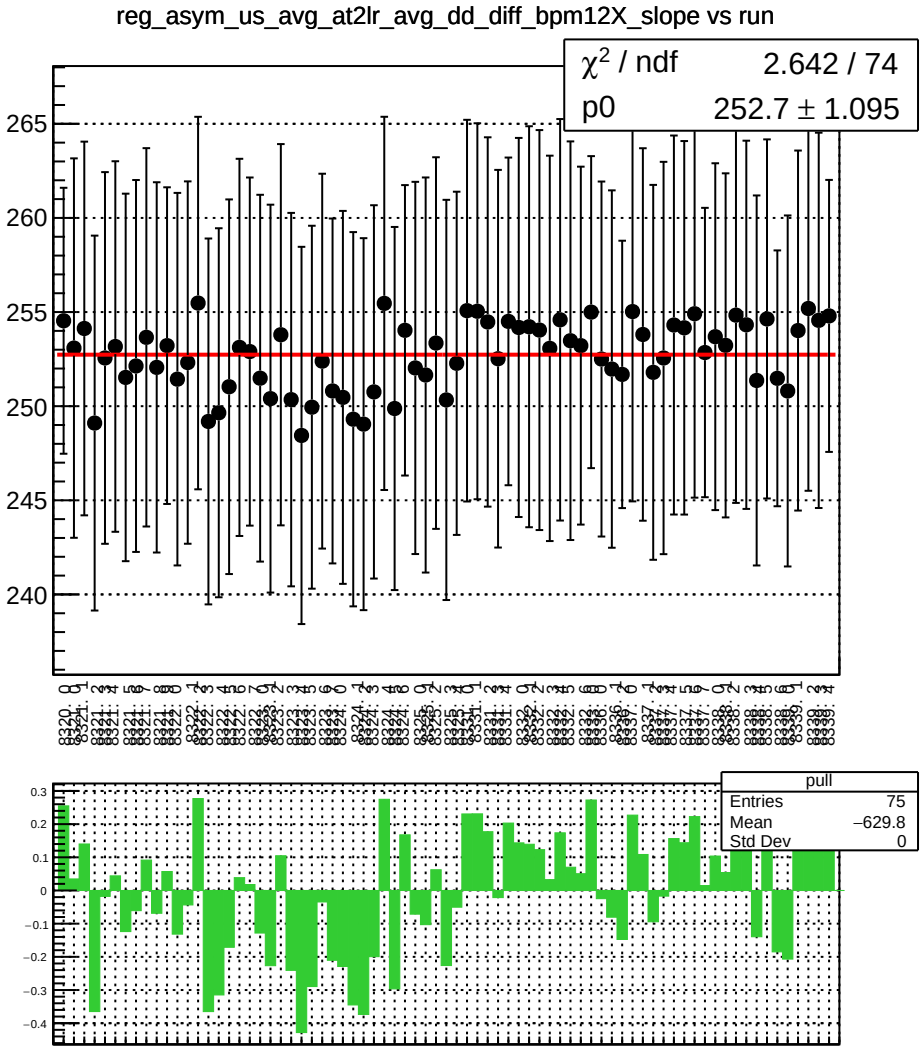

pull1D
Entries 75
Mean −0.006058
Std Dev 0.1841

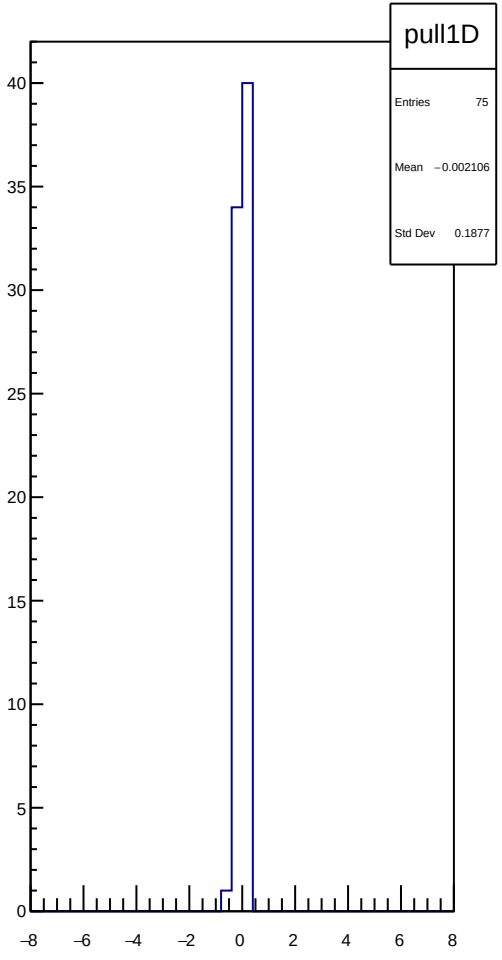

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.683 / 74
p0 −65.31 ± 18.86
200
100
0
−100
−200
−300
pull
Entries 75
Mean 434.8
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 75
Mean 0.0006339
Std Dev 0.1891
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

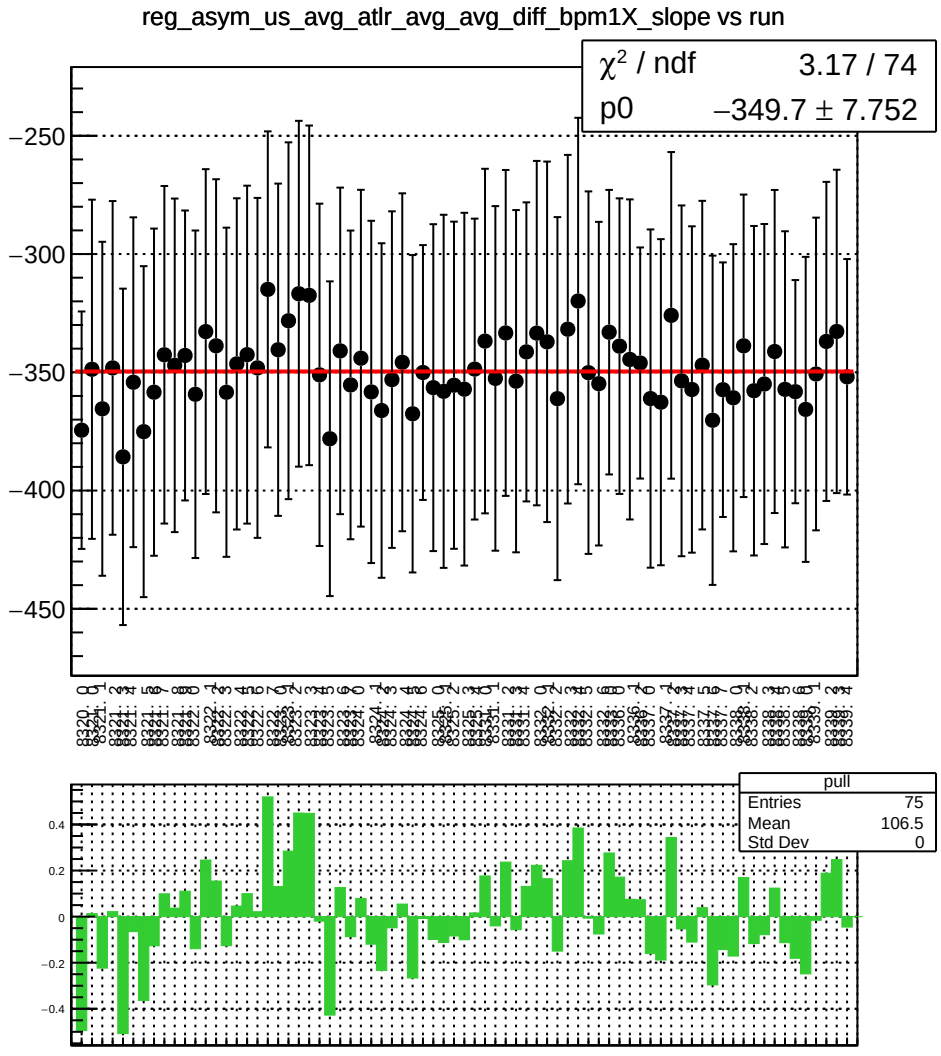

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.393 / 74
p0 −418.2 ± 11.25
−250
−300
−350
−400
−450
−500
−550
pull
Entries 75
Mean −9.946
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 75
Mean 0.004852
Std Dev 0.1786
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

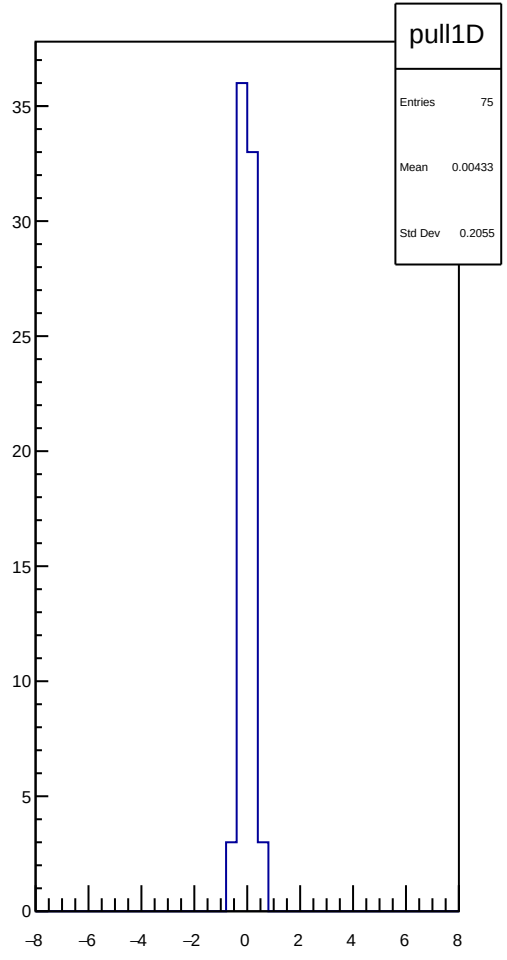

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.674 / 74
p0 −46.5 ± 19.61
pull
Entries 75
Mean 417.3
Std Dev 0

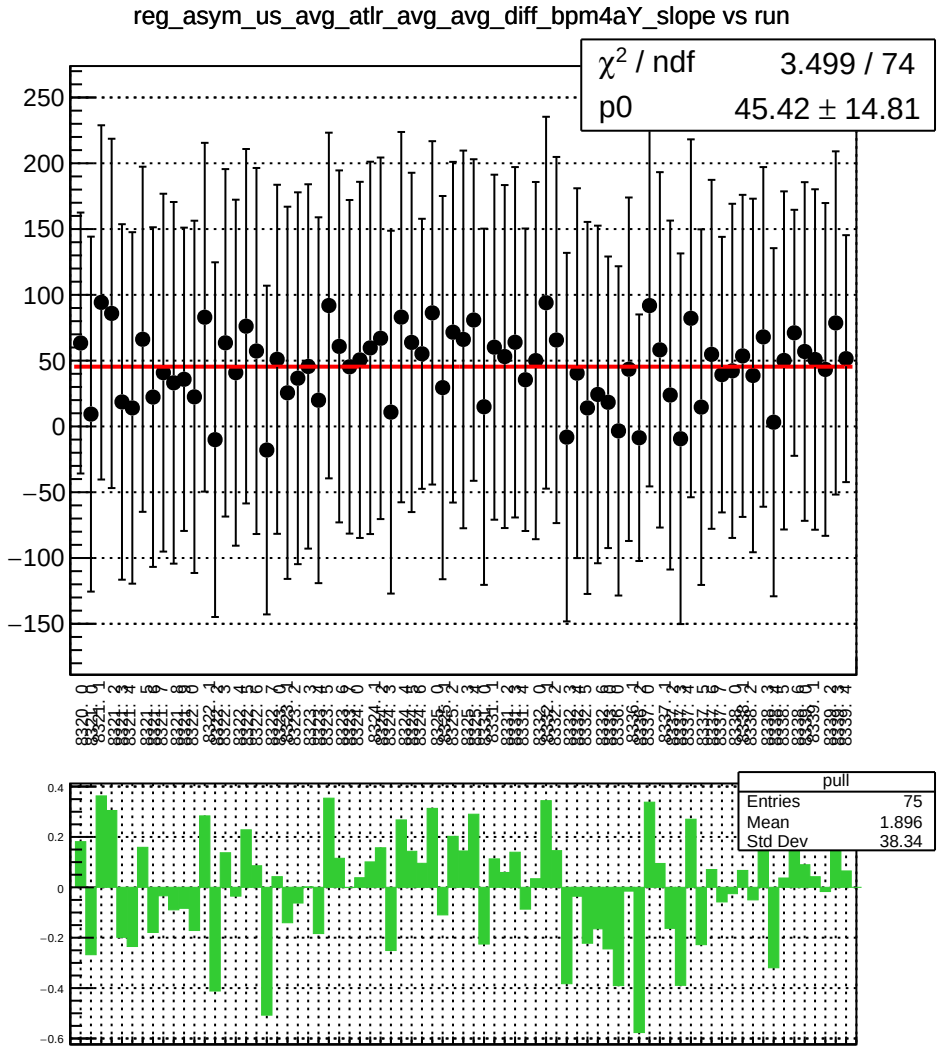

pull1D
Entries 75
Mean −0.0005943
Std Dev 0.1888

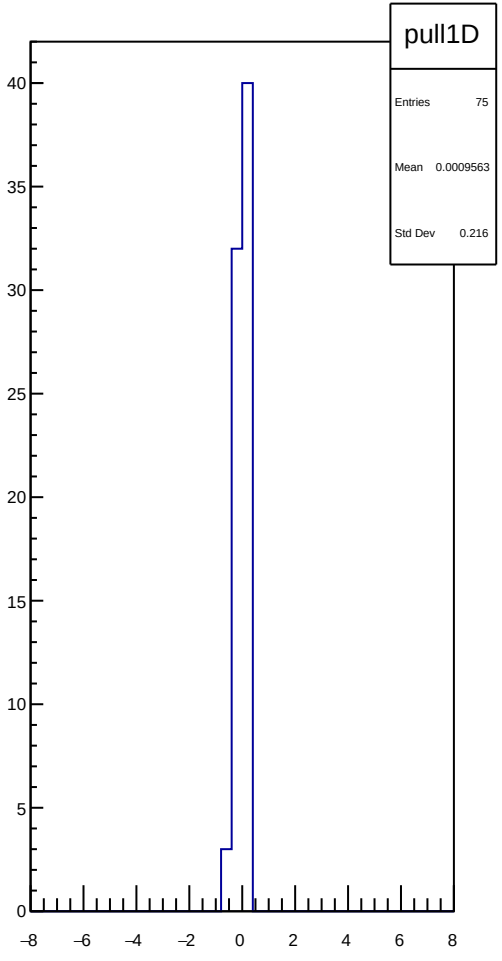

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 2.642 / 74
p0 252.7 ± 1.095
pull
Entries 75
Mean −629.8
Std Dev 0

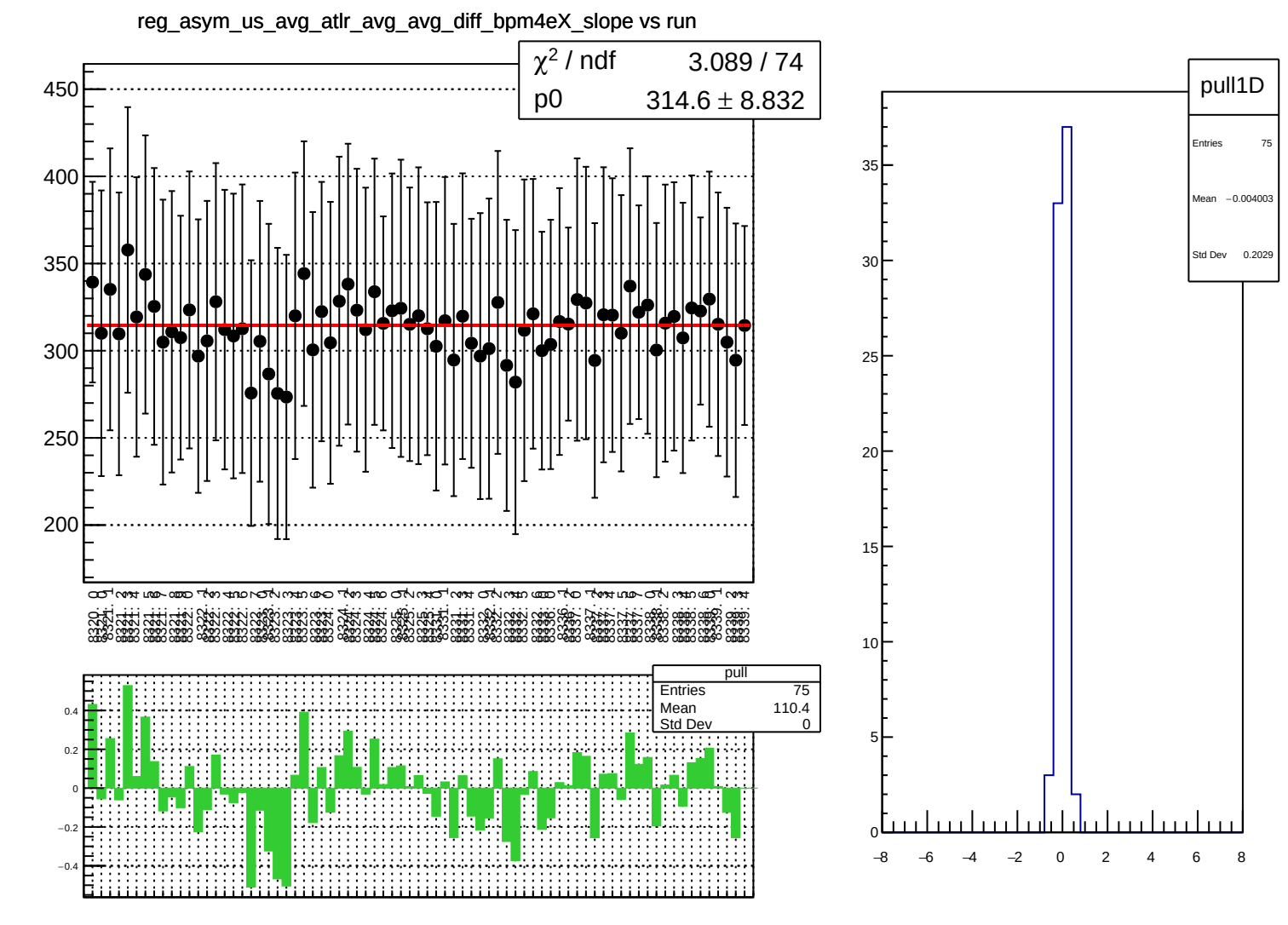

pull1D
Entries 75
Mean −0.002106
Std Dev 0.1877

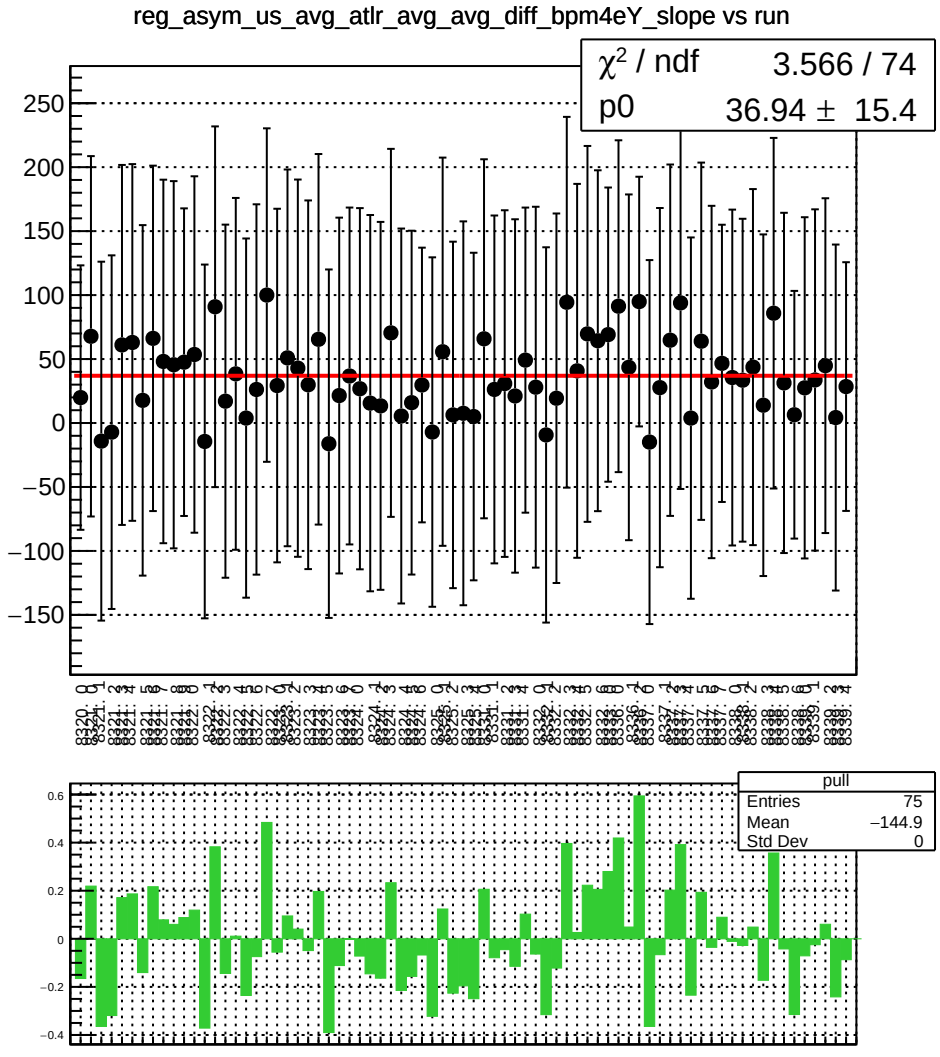

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 3.17 / 74
p0 −349.7 ± 7.752
−250
−300
−350
−400
−450
pull
Entries 75
Mean 106.5
Std Dev 0
0.4
0.2
0
−0.2
−0.4

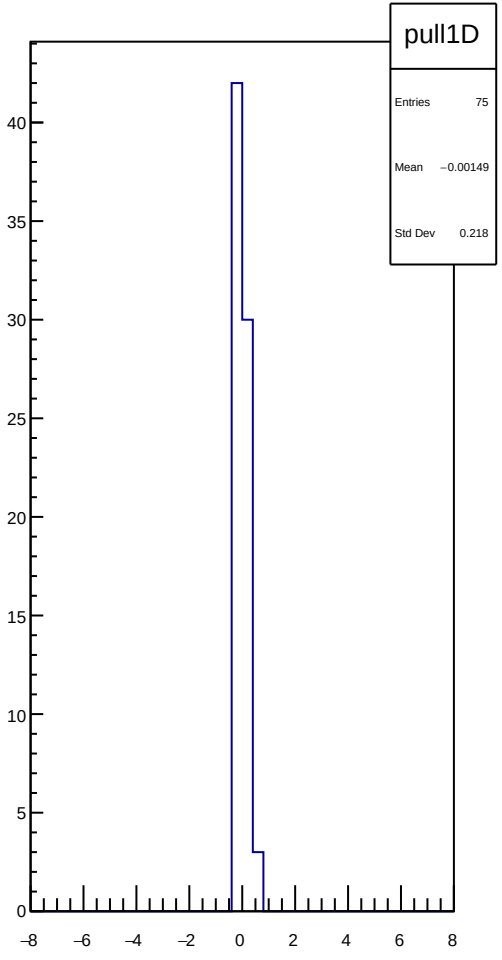

pull1D
Entries 75
Mean 0.00433
Std Dev 0.2055
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

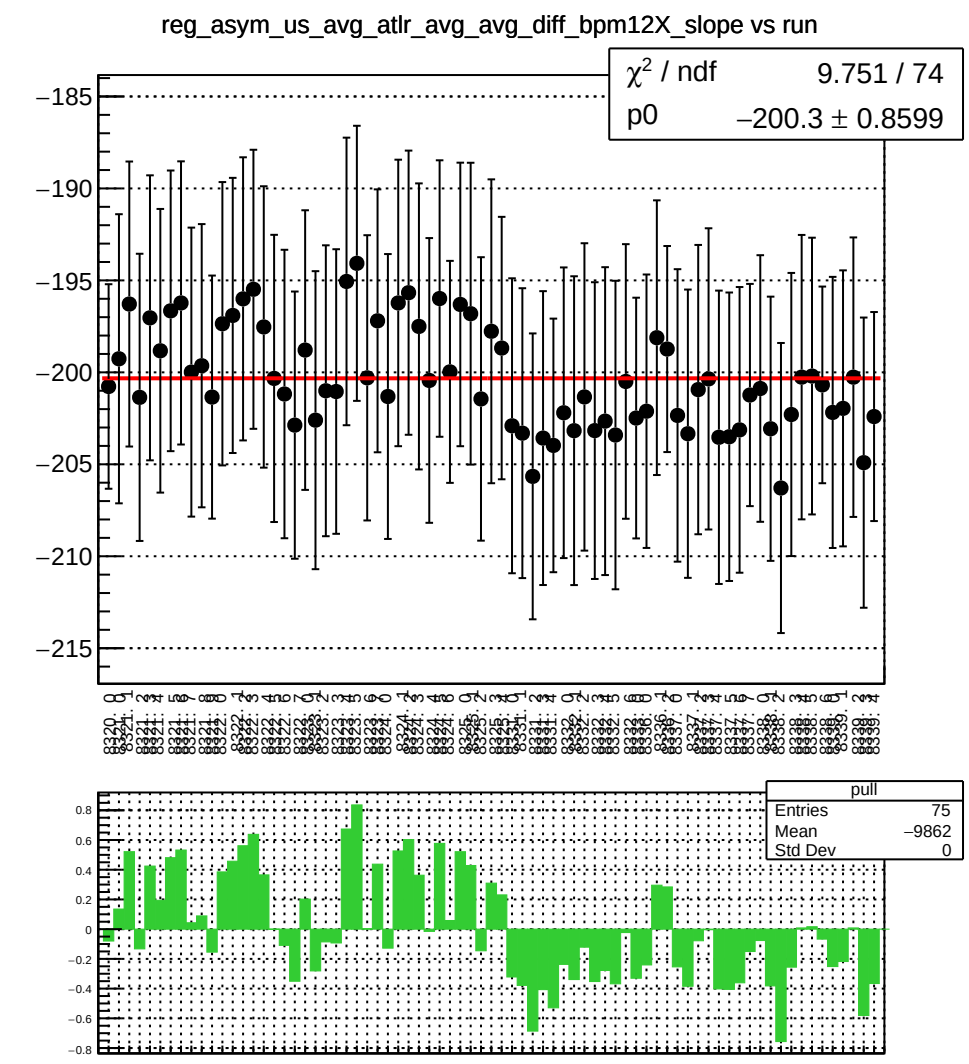

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.499 / 74
p0 45.42 ± 14.81
pull
Entries 75
Mean 1.896
Std Dev 38.34

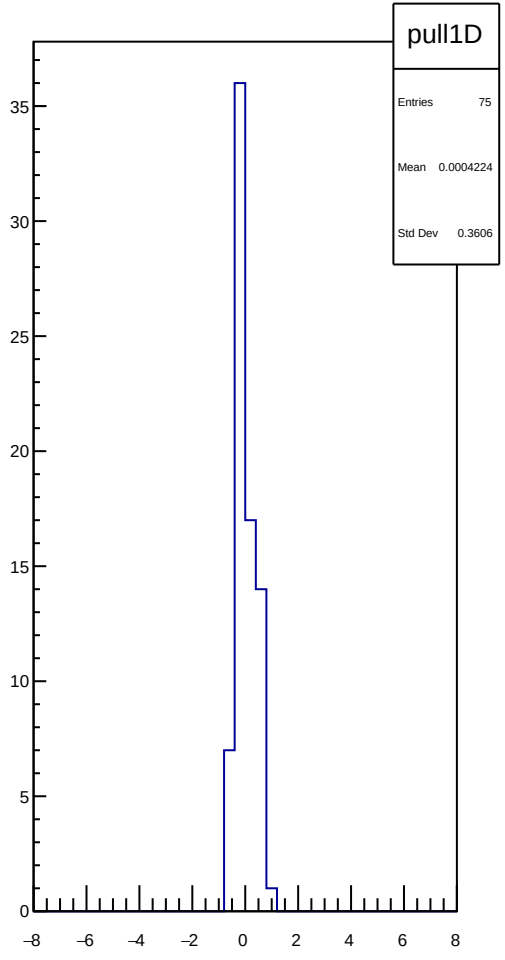

pull1D
Entries 75
Mean 0.0009563
Std Dev 0.216

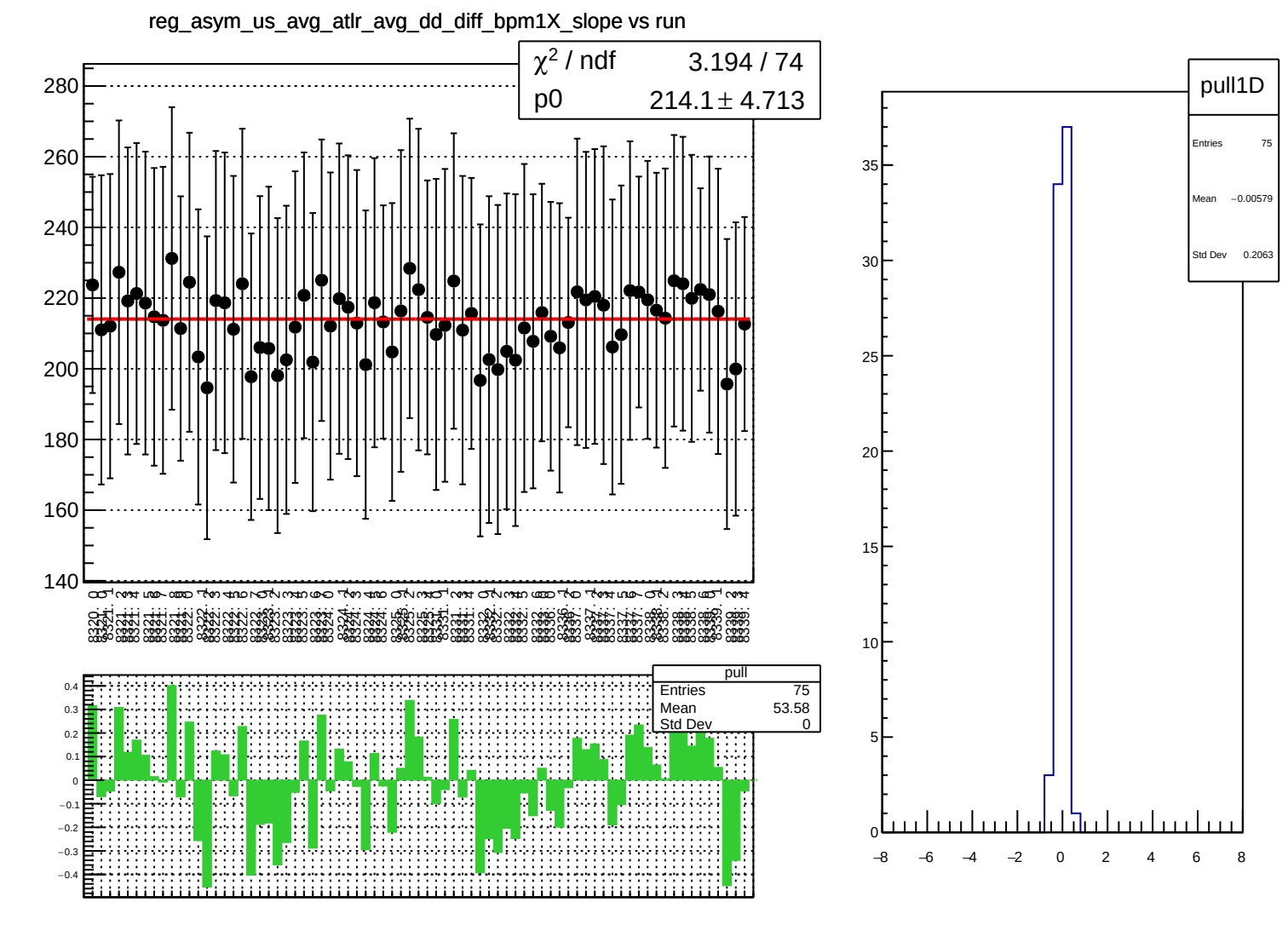

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.089 / 74
p0 314.6 ± 8.832
pull
Entries 75
Mean 110.4
Std Dev 0
pull1D
Entries 75
Mean −0.004003
Std Dev 0.2029

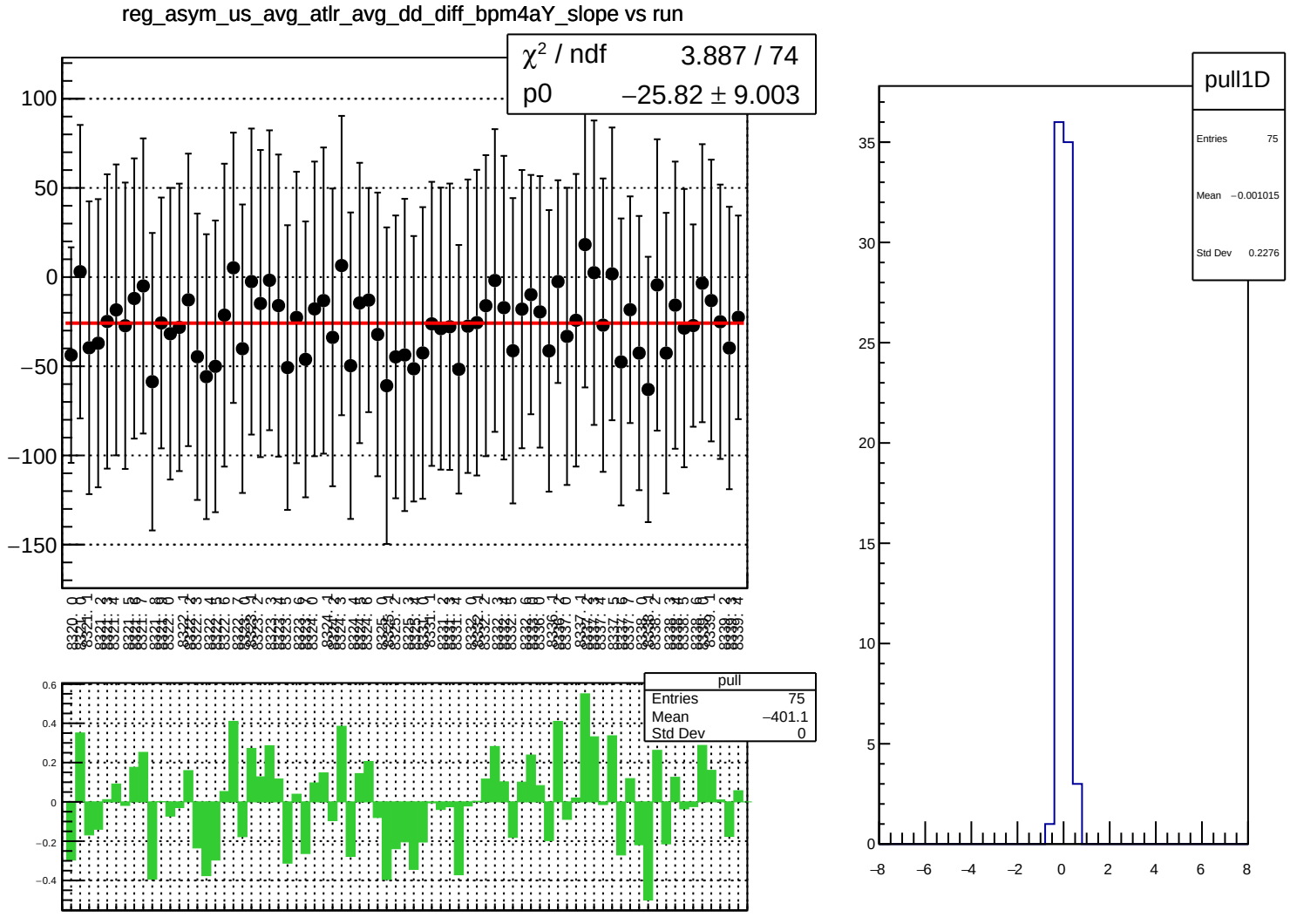

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.566 / 74
p0 36.94 ± 15.4
pull
Entries 75
Mean −144.9
Std Dev 0

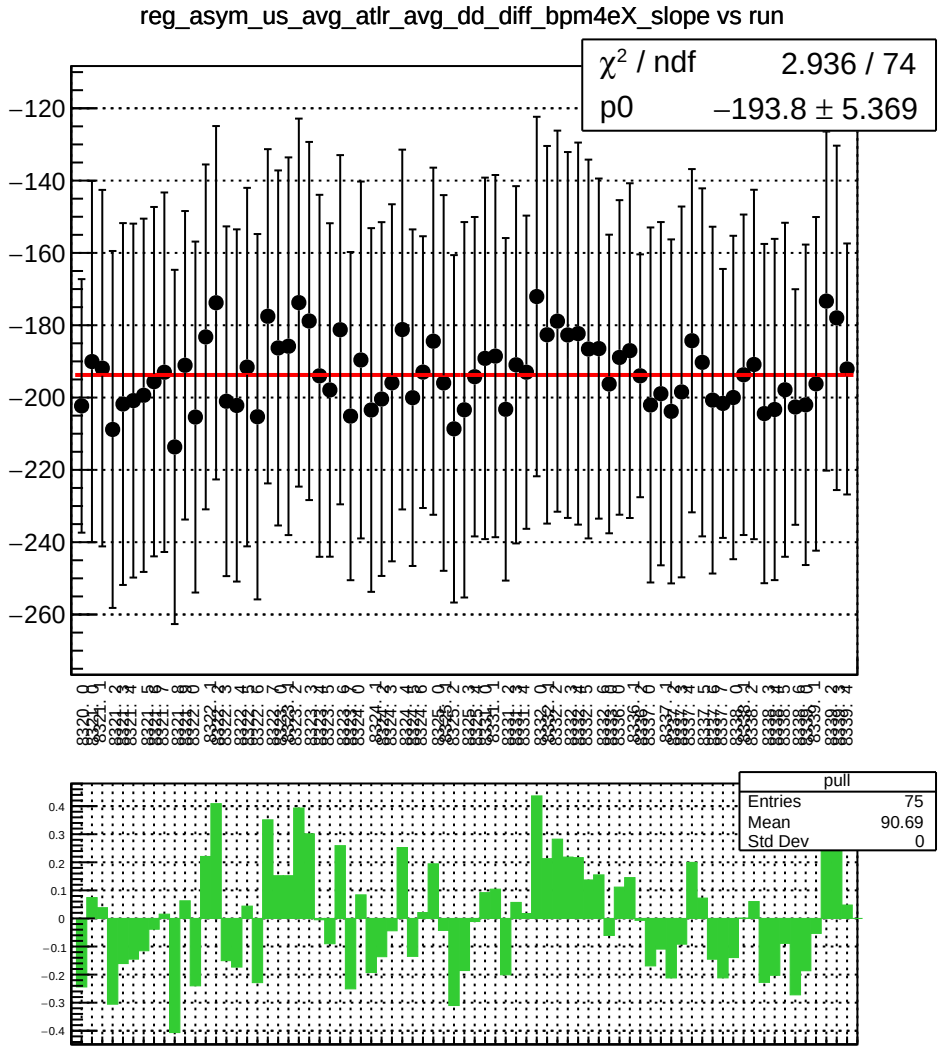

pull1D
Entries 75
Mean −0.00149
Std Dev 0.218

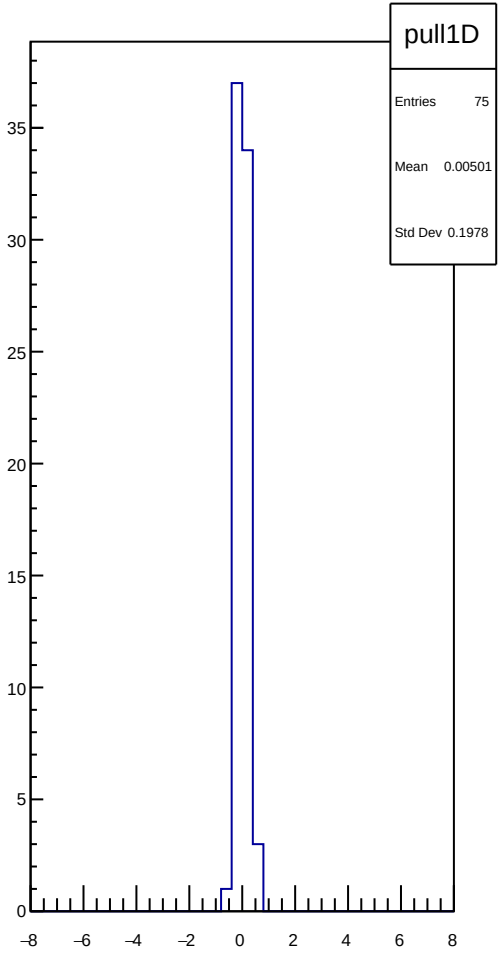

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 9.751 / 74
p0 −200.3 ± 0.8599
−185
−190
−195
−200
−205
−210
−215
pull
Entries 75
Mean −9862
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

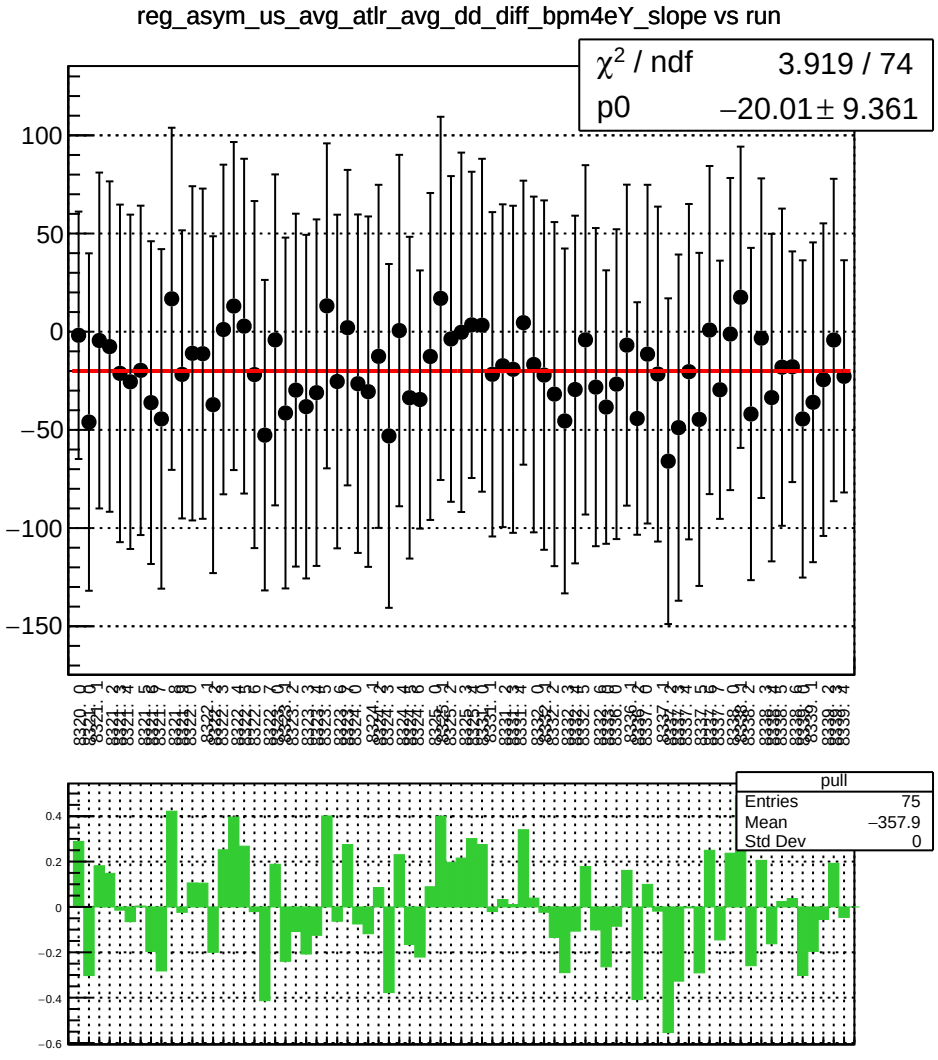

pull1D
Entries 75
Mean 0.0004224
Std Dev 0.3606
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

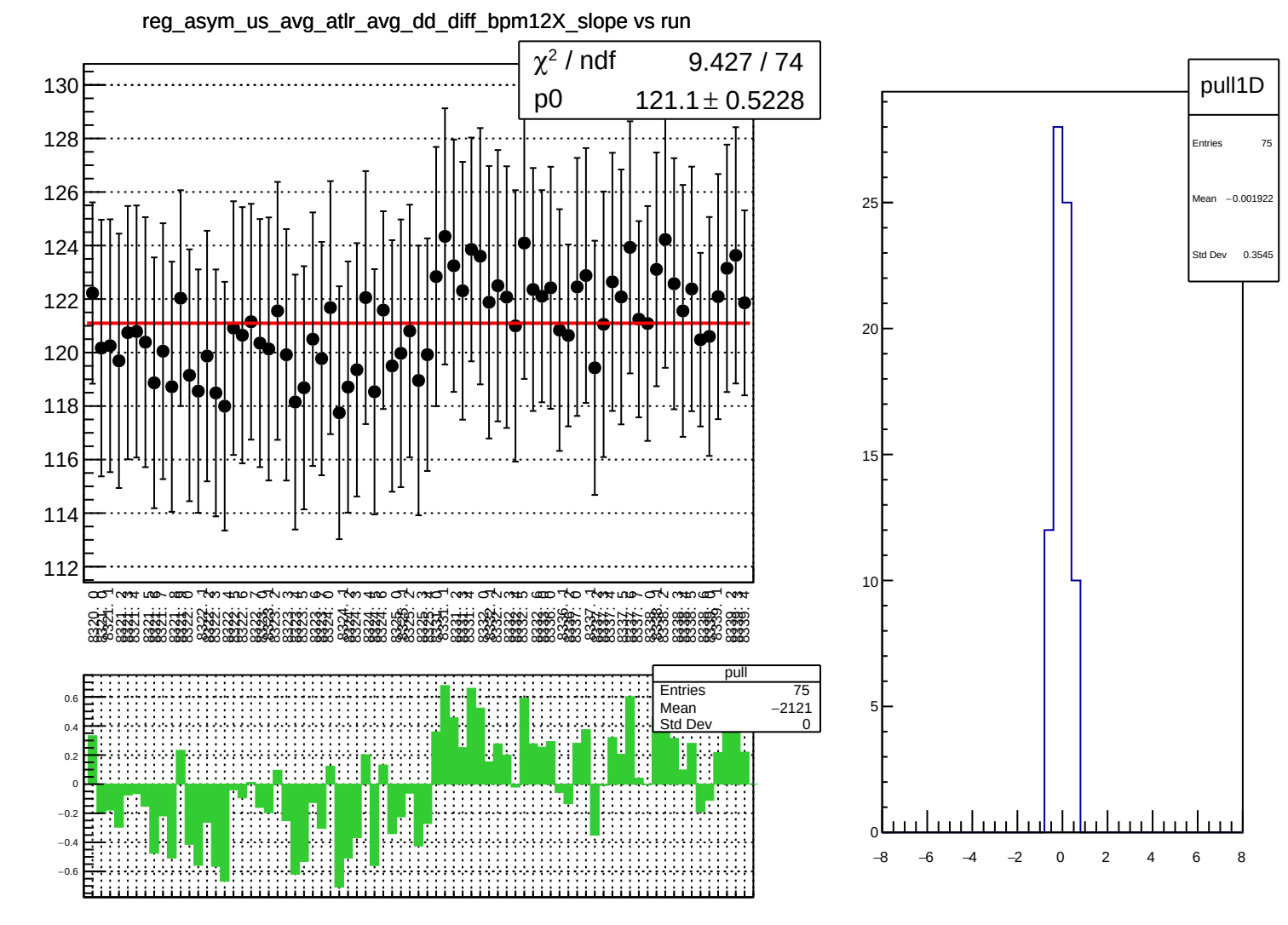

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 3.194 / 74
p0 214.1 ± 4.713
pull
Entries 75
Mean 53.58
Std Dev 0
pull1D
Entries 75
Mean −0.00579
Std Dev 0.2063

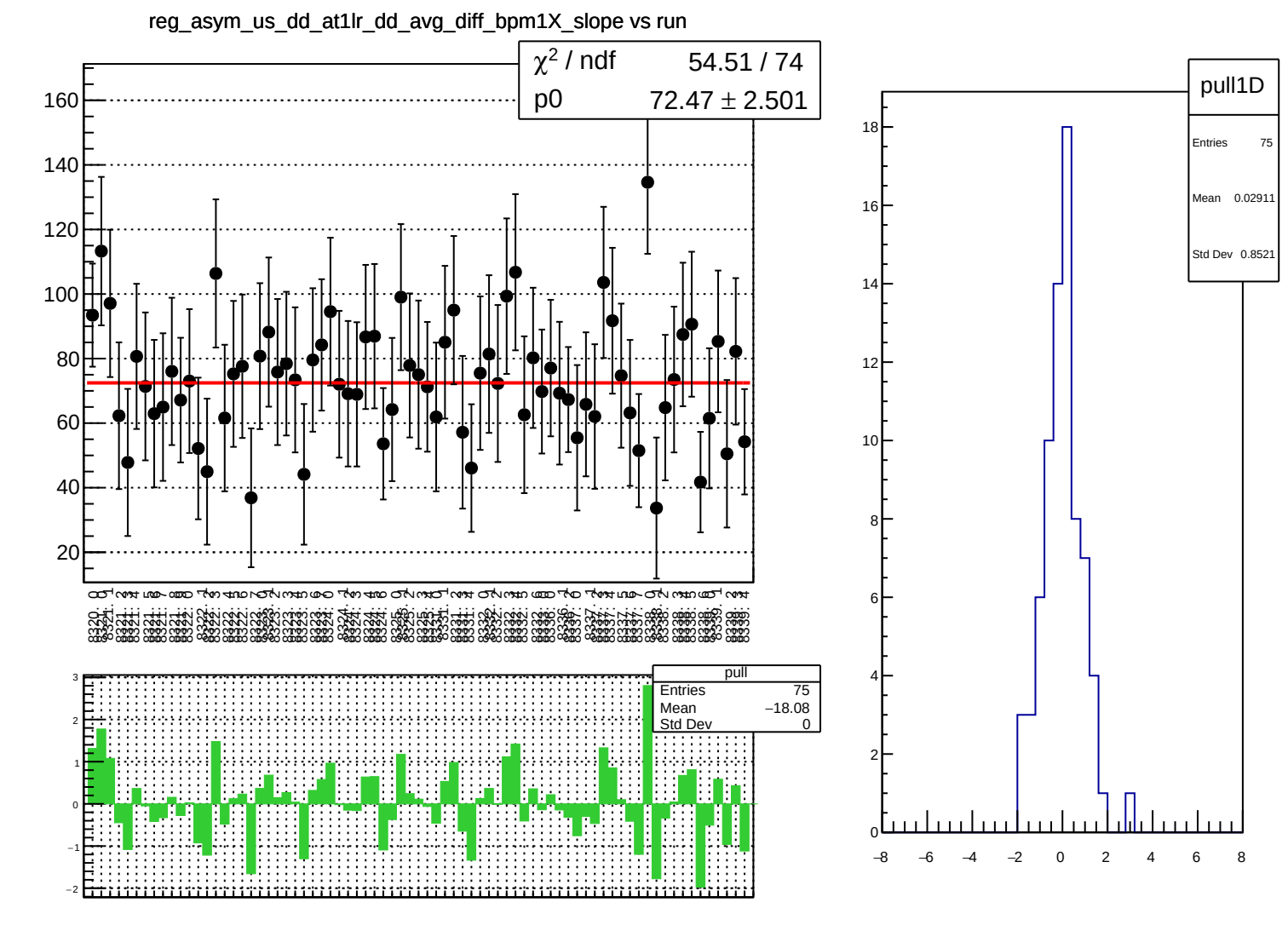

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.887 / 74
p0 −25.82 ± 9.003
pull
Entries 75
Mean −401.1
Std Dev 0
pull1D
Entries 75
Mean −0.001015
Std Dev 0.2276

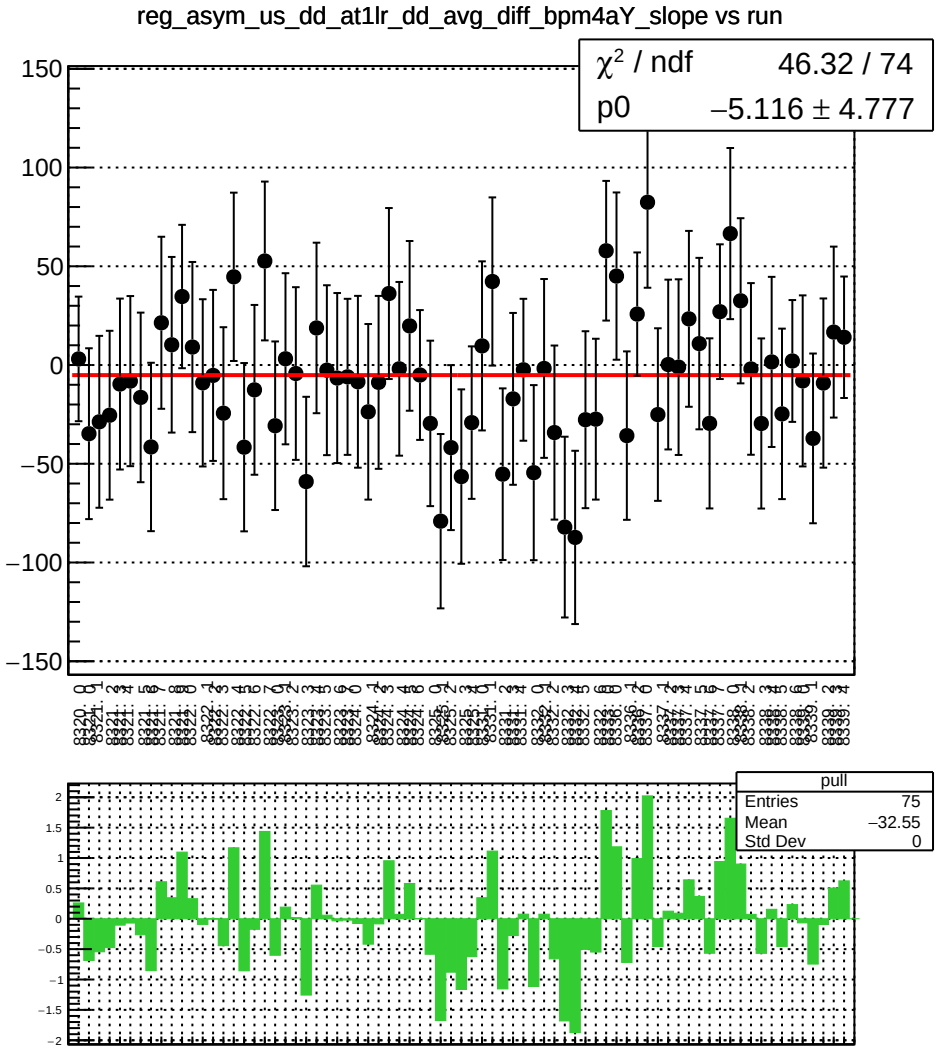

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.936 / 74
p0 −193.8 ± 5.369
pull
Entries 75
Mean 90.69
Std Dev 0

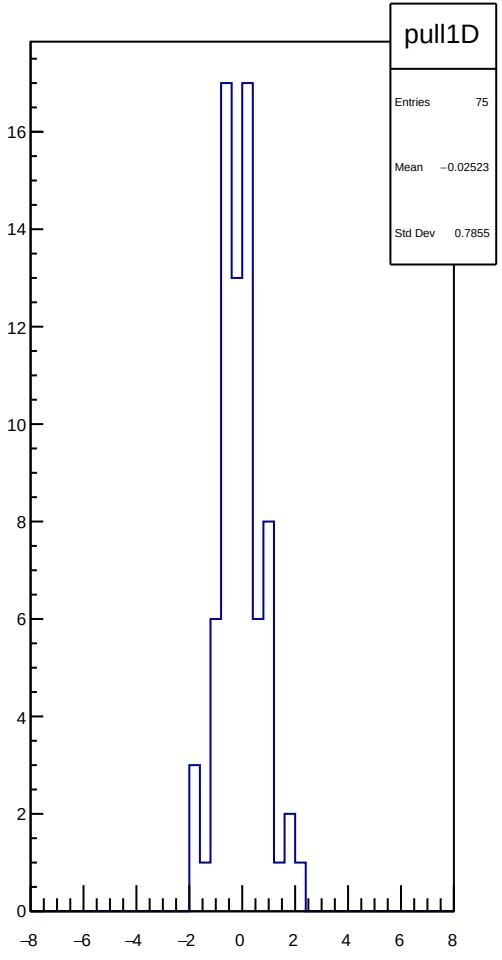

pull1D
Entries 75
Mean 0.00501
Std Dev 0.1978

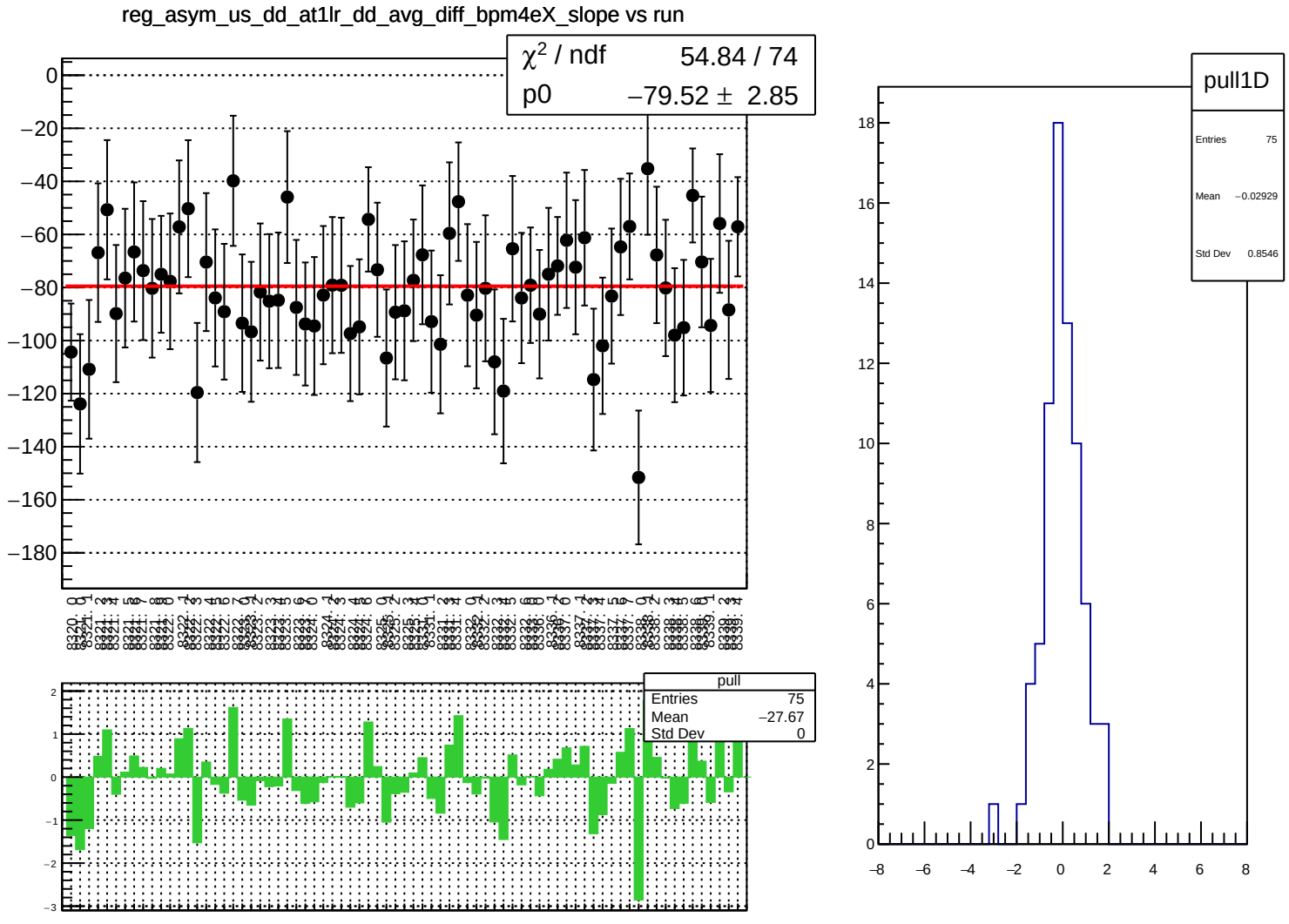

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.919 / 74
p0 −20.01 ± 9.361
pull
Entries 75
Mean −357.9
Std Dev 0
pull1D
Entries 75
Mean 0.001534
Std Dev 0.2286

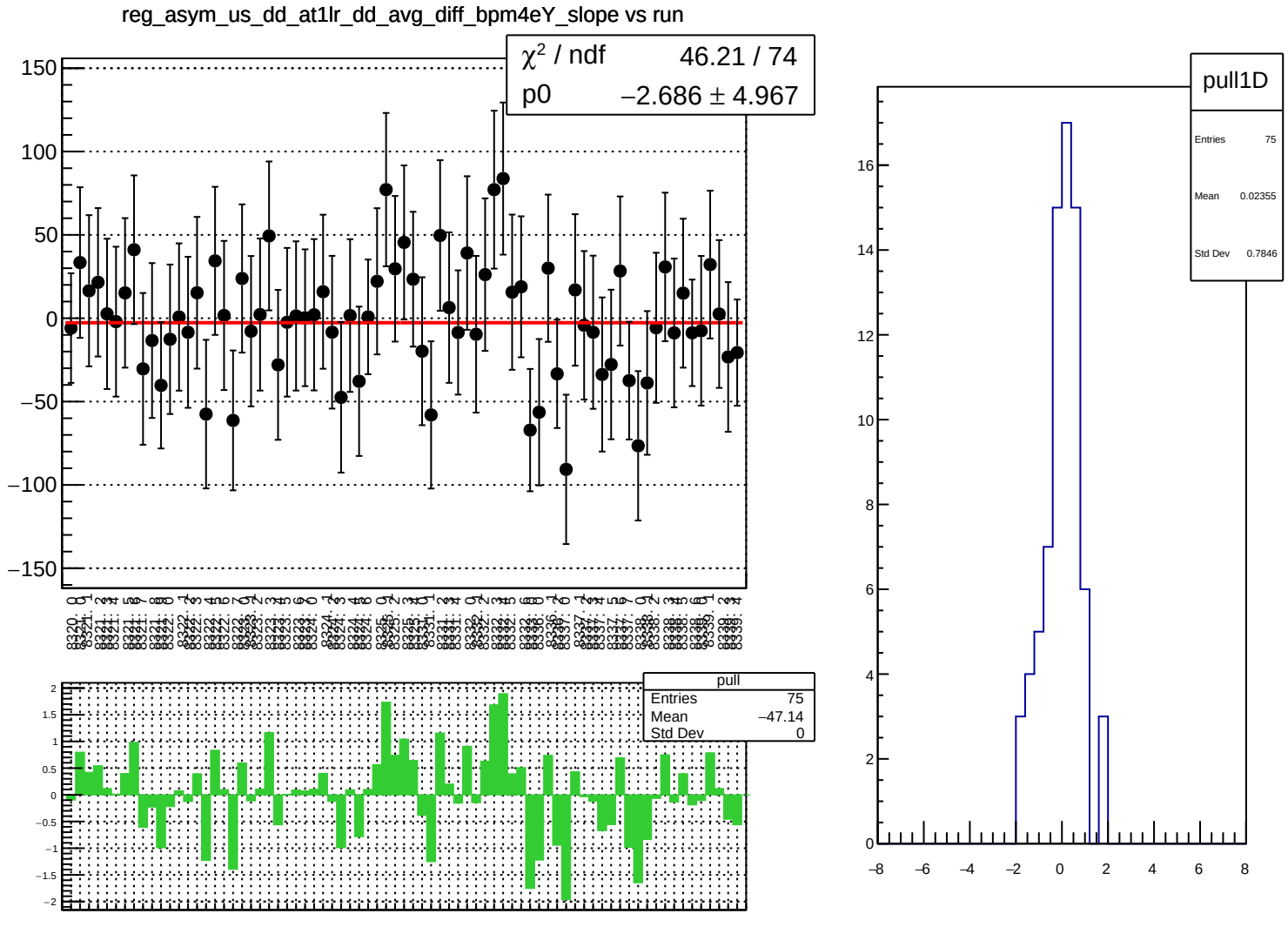

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 9.427 / 74
p0 121.1 ± 0.5228
pull
Entries 75
Mean −2121
Std Dev 0
pull1D
Entries 75
Mean −0.001922
Std Dev 0.3545

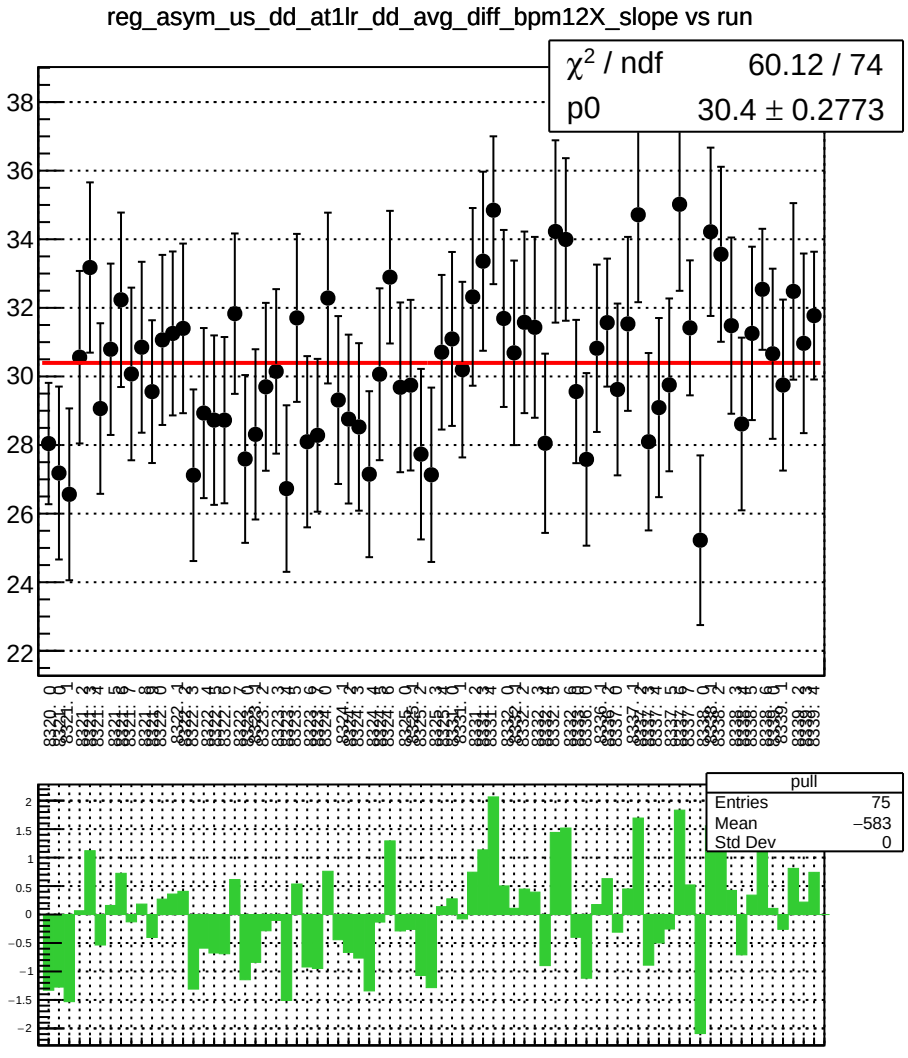

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 54.51 / 74
p0 72.47 ± 2.501
pull
Entries 75
Mean −18.08
Std Dev 0
pull1D
Entries 75
Mean 0.02911
Std Dev 0.8521

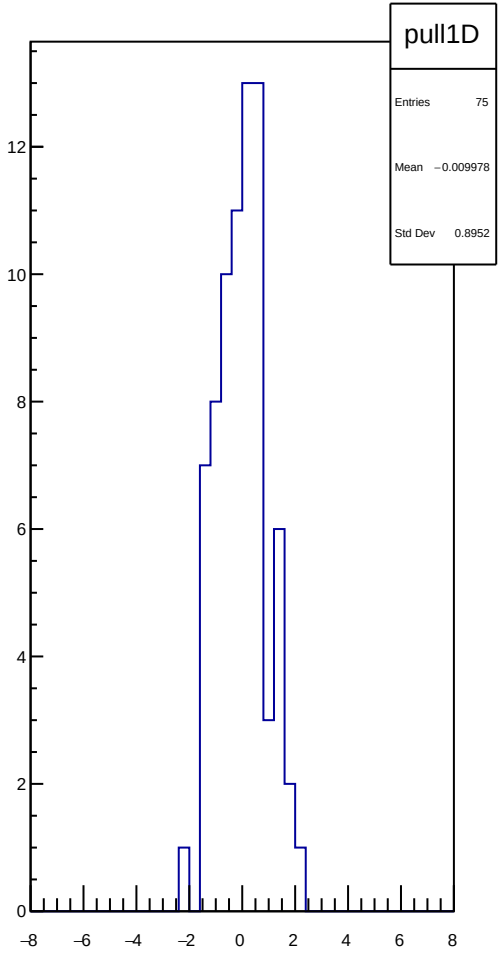

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.32 / 74
p0 −5.116 ± 4.777
pull
Entries 75
Mean −32.55
Std Dev 0

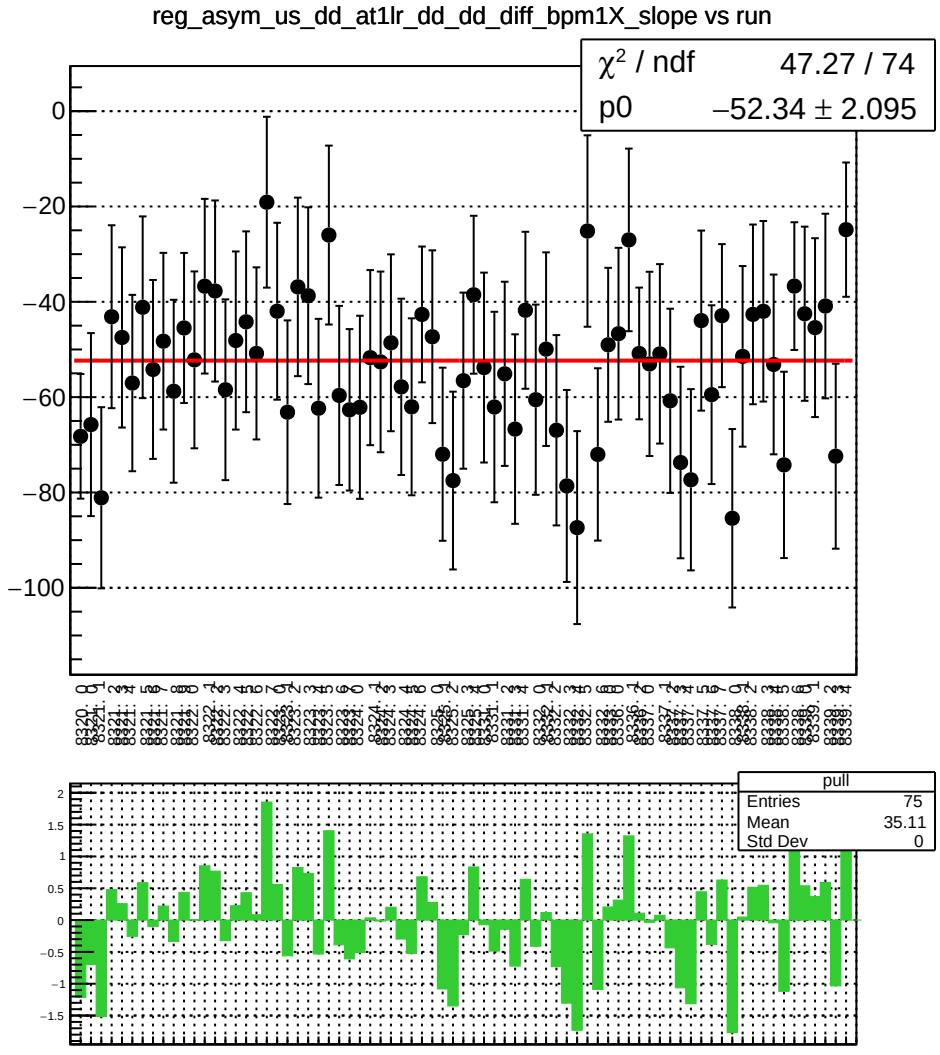

pull1D
Entries 75
Mean −0.02523
Std Dev 0.7855

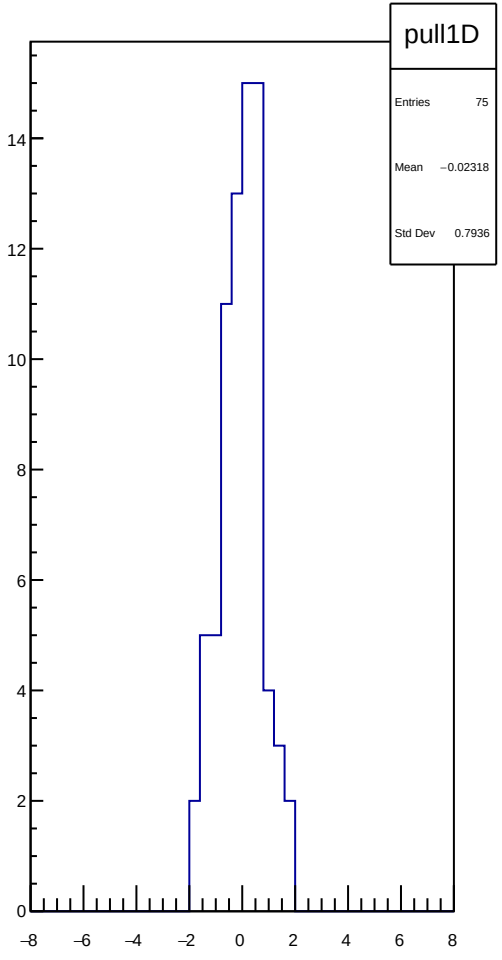

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.84 / 74
p0 −79.52 ± 2.85
pull
Entries 75
Mean −27.67
Std Dev 0
pull1D
Entries 75
Mean −0.02929
Std Dev 0.8546

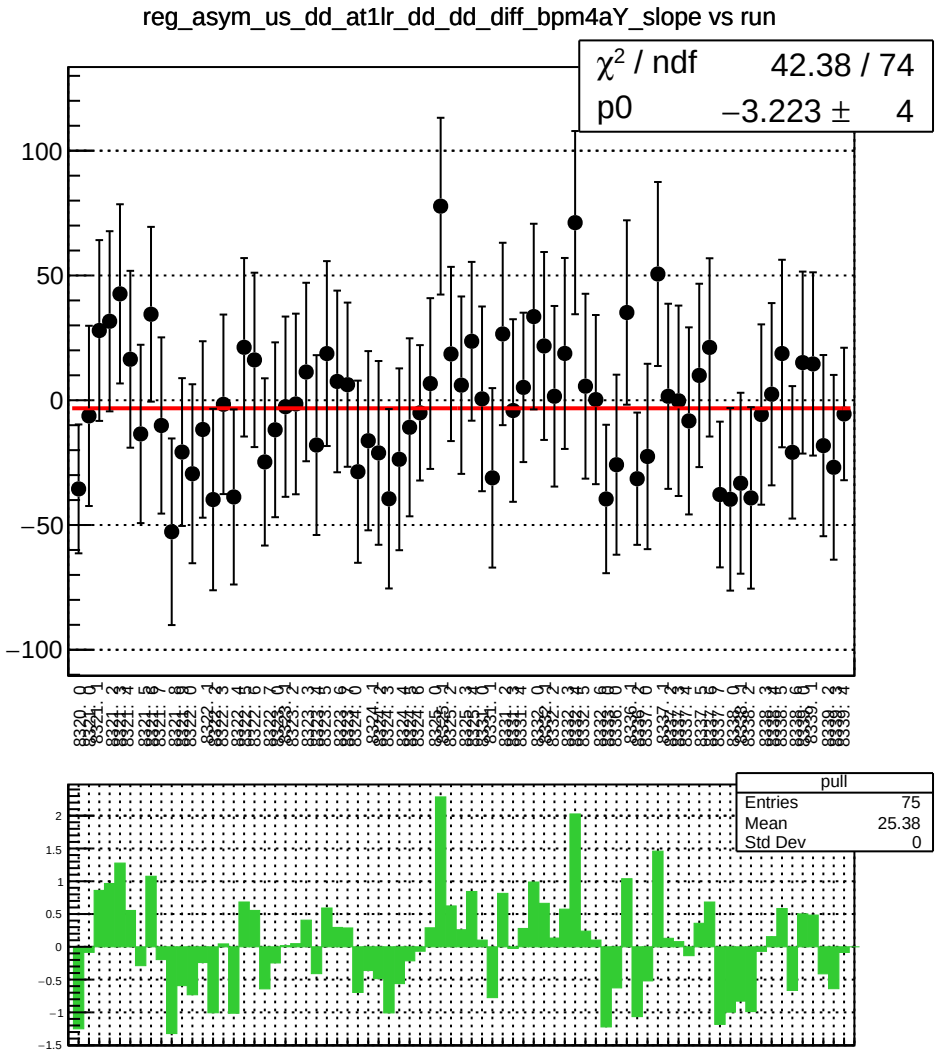

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.21 / 74
p0 −2.686 ± 4.967
pull
Entries 75
Mean −47.14
Std Dev 0
pull1D
Entries 75
Mean 0.02355
Std Dev 0.7846

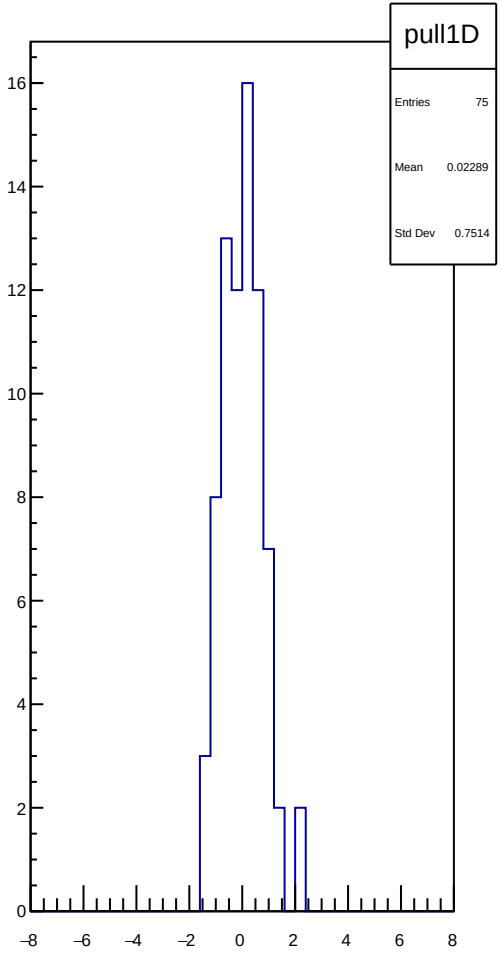

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 60.12 / 74
p0 30.4 ± 0.2773
pull
Entries 75
Mean −583
Std Dev 0

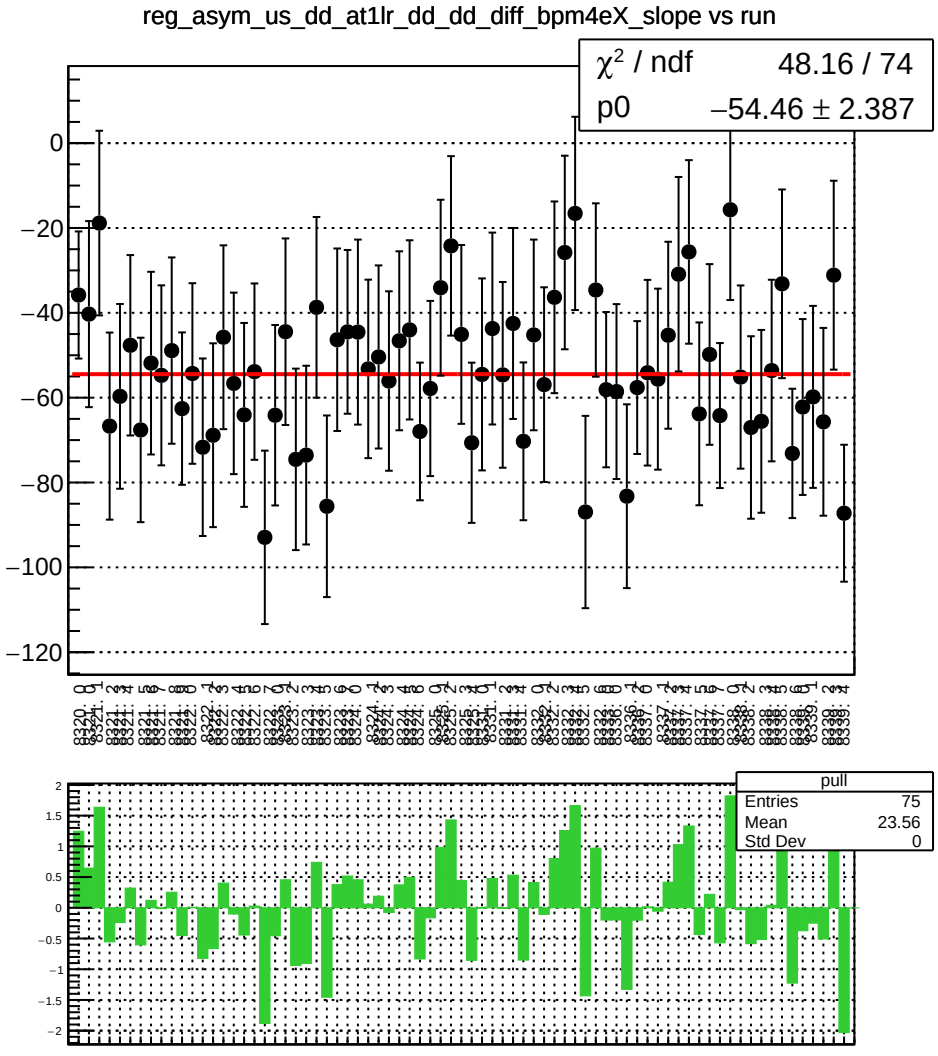

pull1D
Entries 75
Mean −0.009978
Std Dev 0.8952

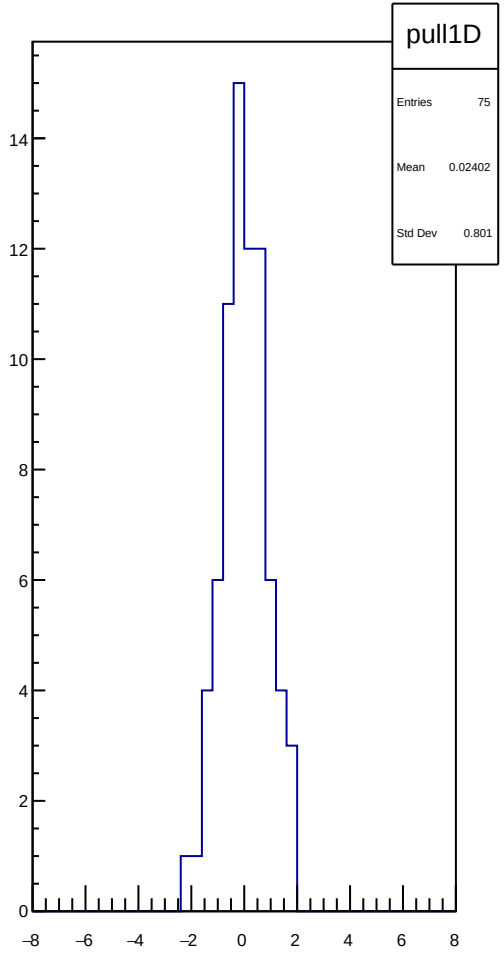

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 47.27 / 74
p0 −52.34 ± 2.095
pull
Entries 75
Mean 35.11
Std Dev 0

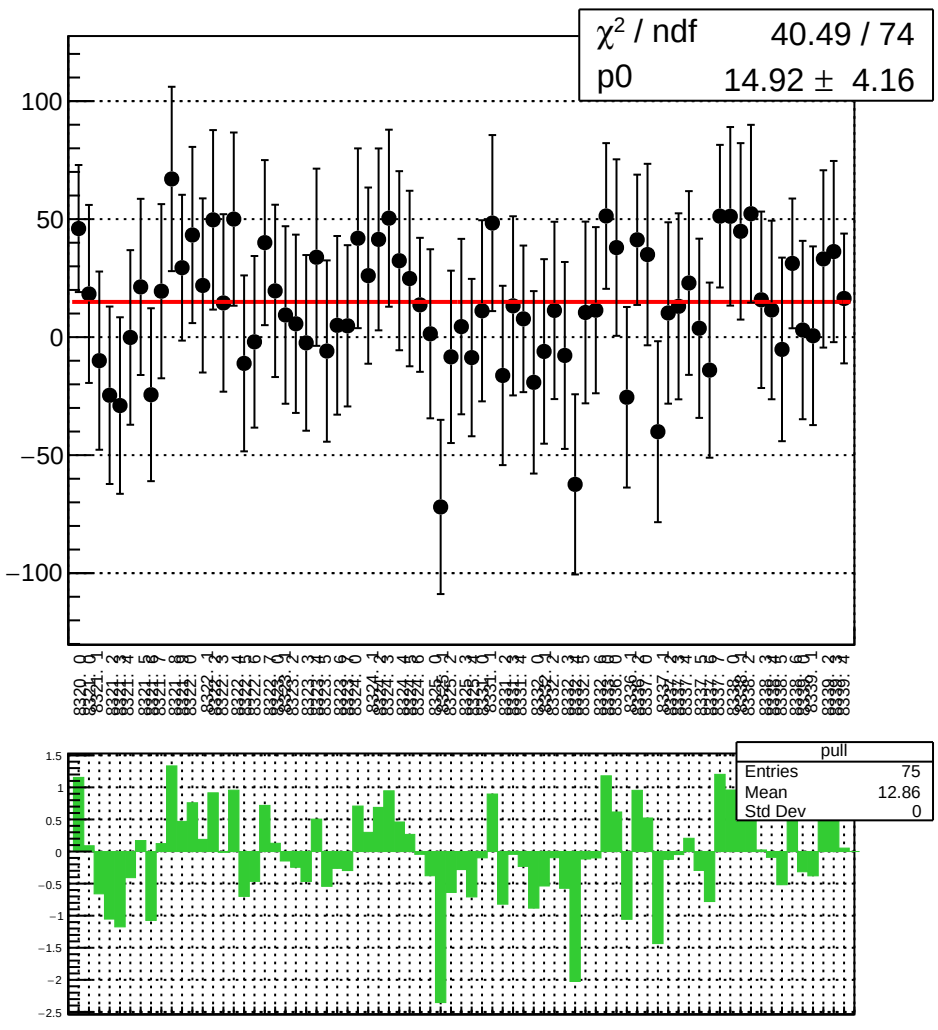

pull1D
Entries 75
Mean −0.02318
Std Dev 0.7936

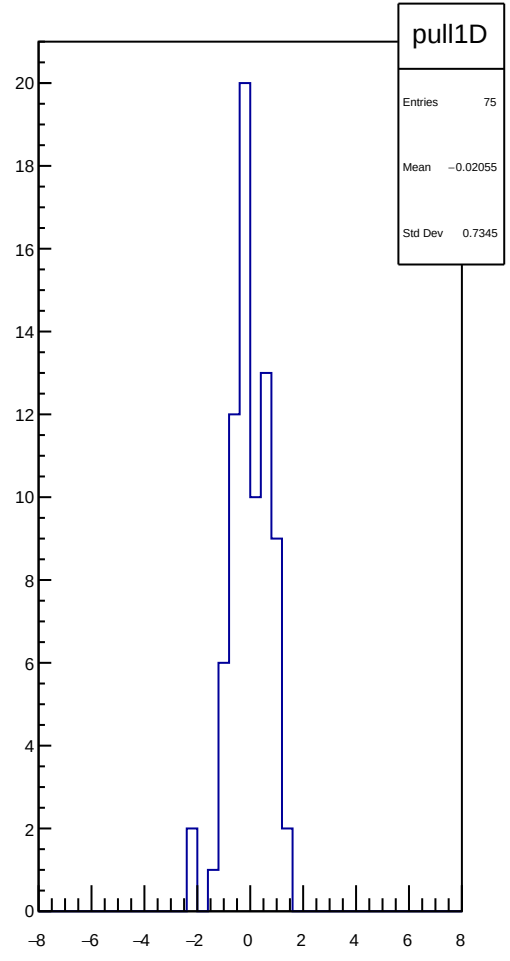

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.38 / 74
p0 −3.223 ± 4
pull
Entries 75
Mean 25.38
Std Dev 0

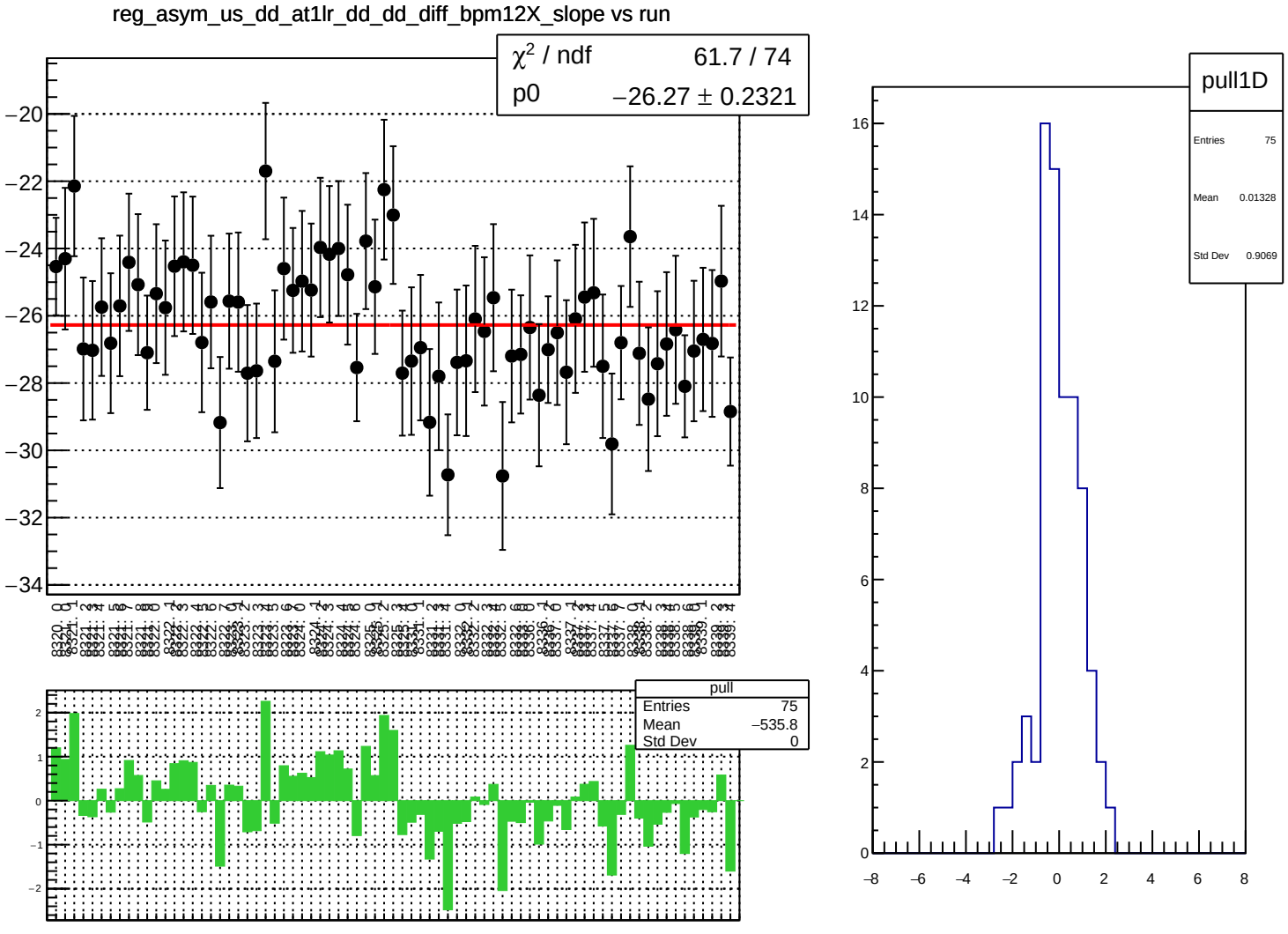

pull1D
Entries 75
Mean 0.02289
Std Dev 0.7514

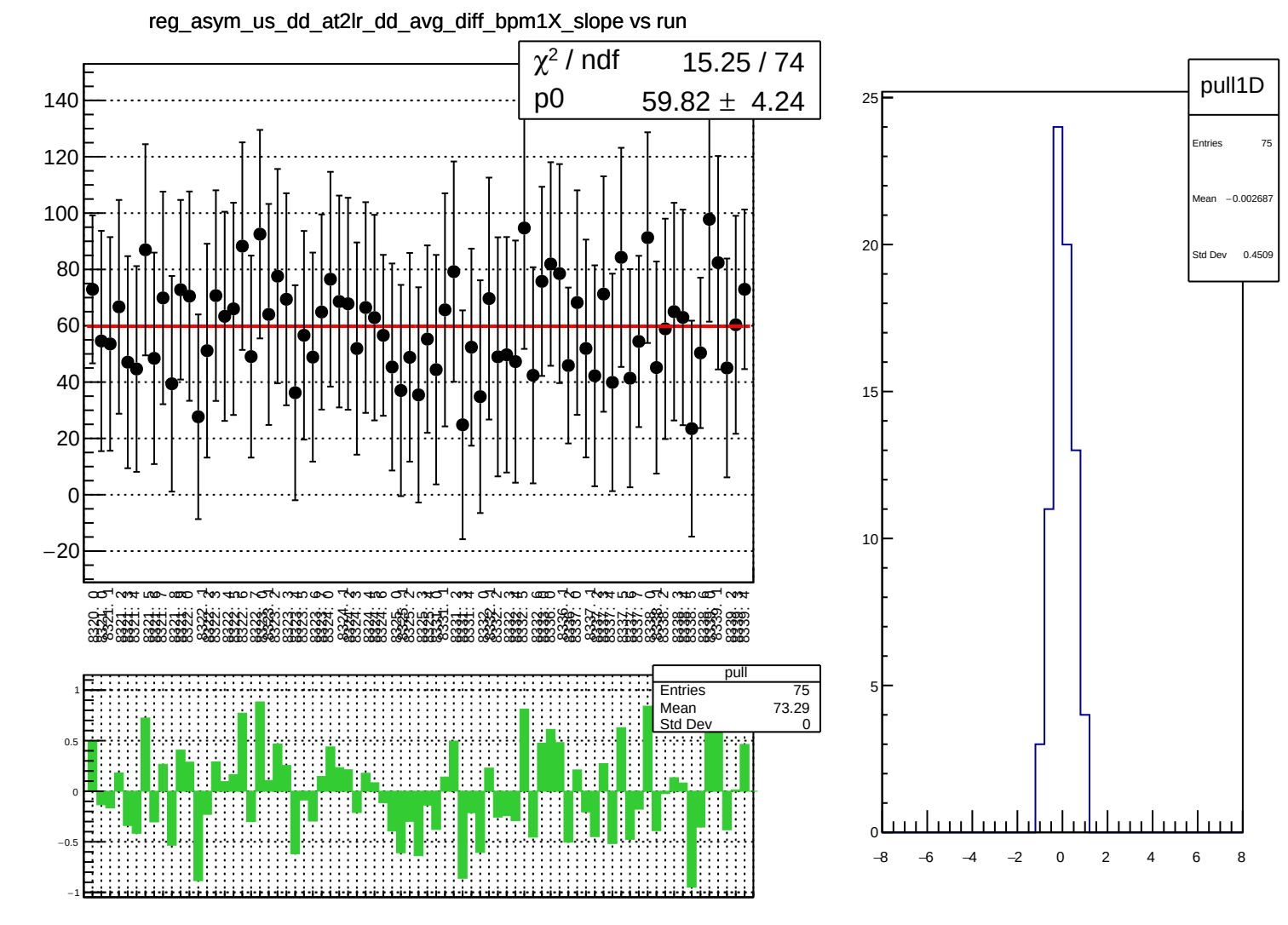

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.16 / 74
p0 −54.46 ± 2.387
pull
Entries 75
Mean 23.56
Std Dev 0

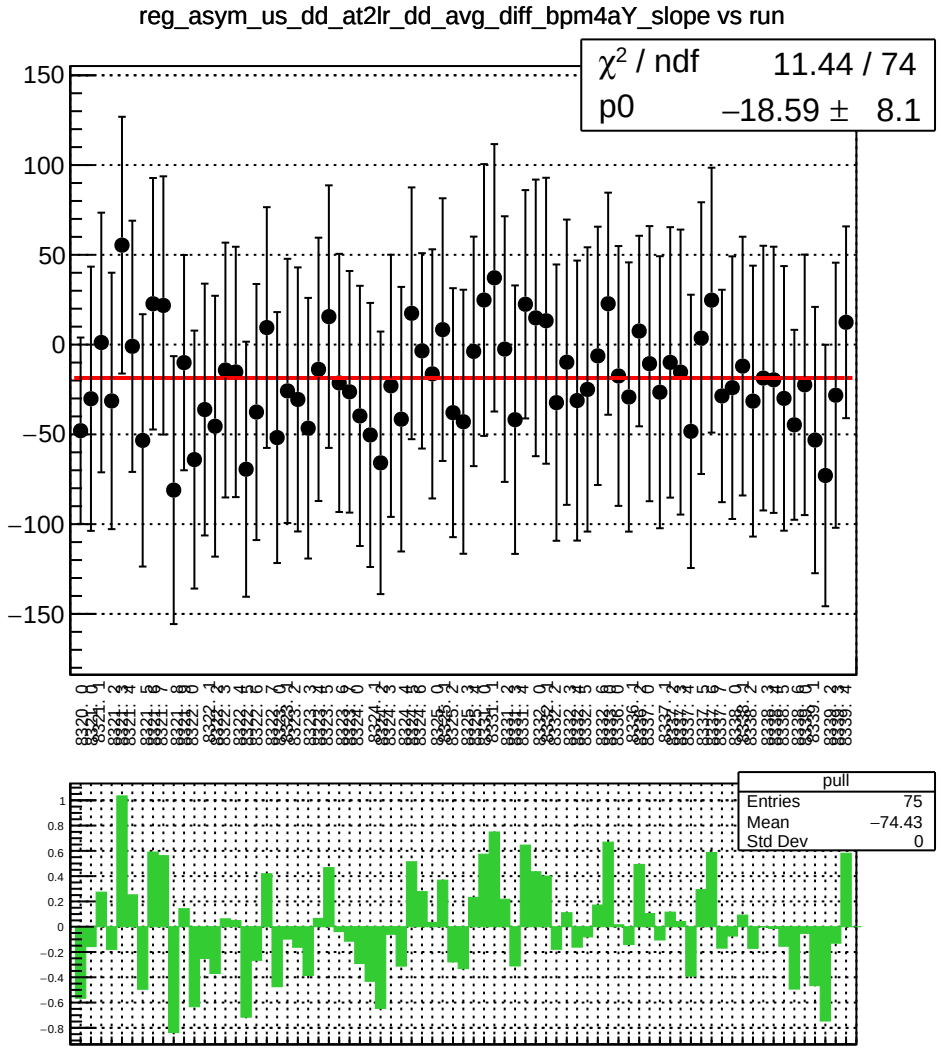

pull1D
Entries 75
Mean 0.02402
Std Dev 0.801

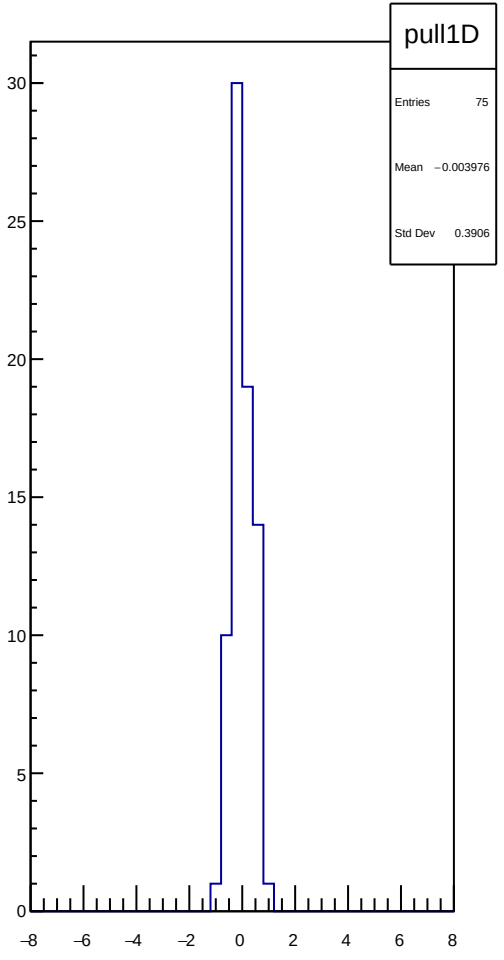

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.49 / 74
p0 14.92 ± 4.16
pull
Entries 75
Mean 12.86
Std Dev 0

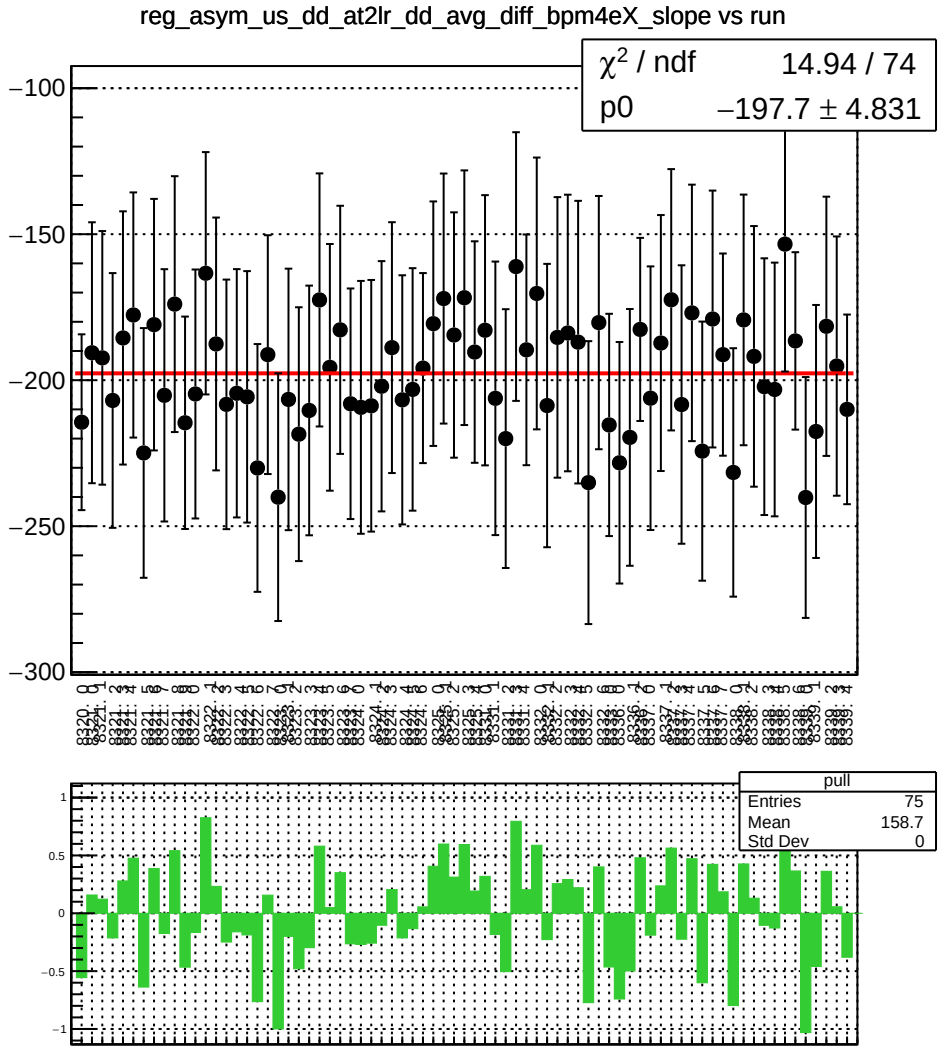

pull1D
Entries 75
Mean −0.02055
Std Dev 0.7345

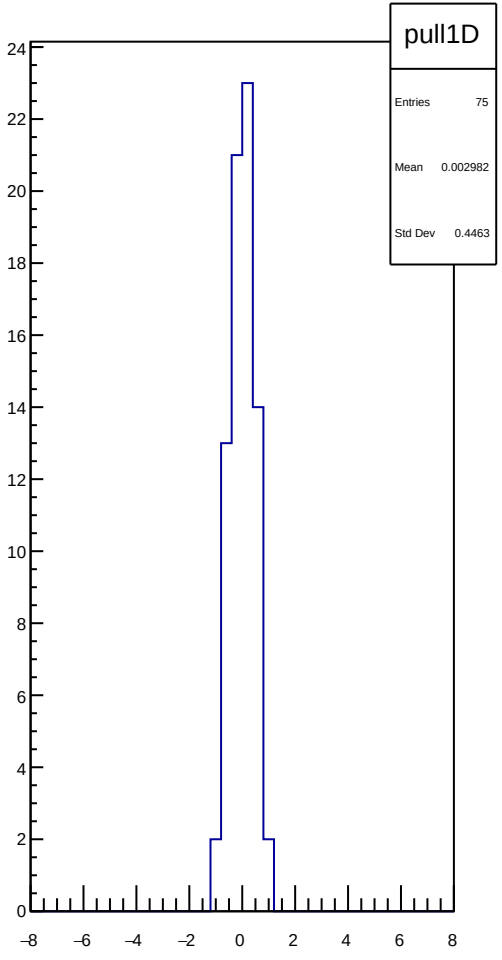

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 61.7 / 74
p0 −26.27 ± 0.2321
pull
Entries 75
Mean −535.8
Std Dev 0
pull1D
Entries 75
Mean 0.01328
Std Dev 0.9069

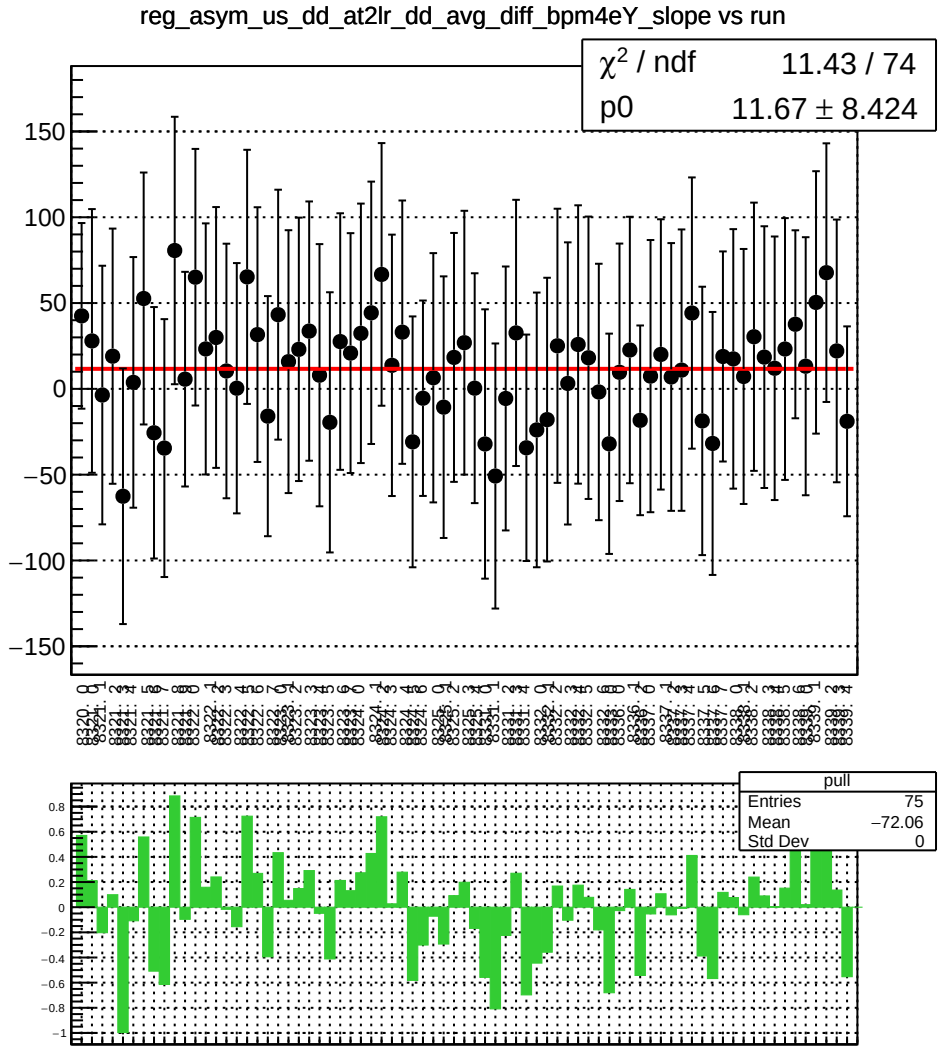

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 15.25 / 74
p0 59.82 ± 4.24
pull
Entries 75
Mean 73.29
Std Dev 0
pull1D
Entries 75
Mean −0.002687
Std Dev 0.4509

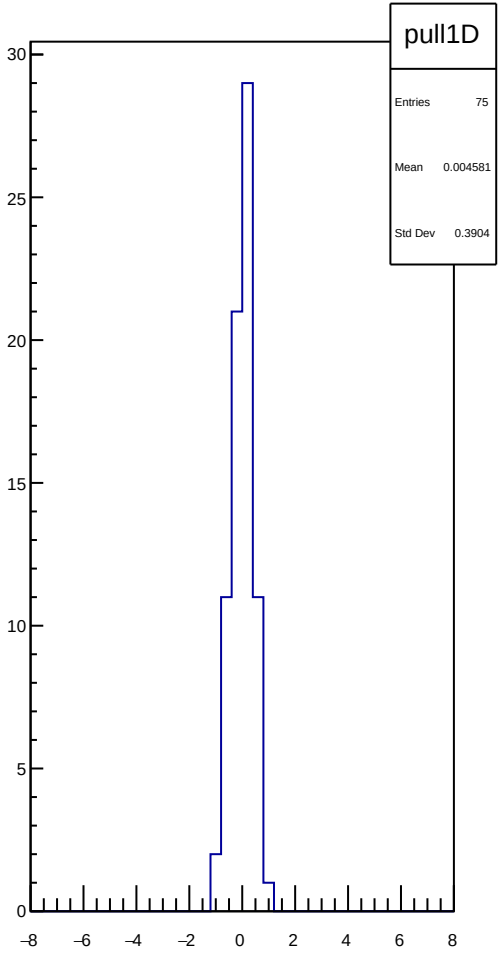

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.44 / 74
p0 −18.59 ± 8.1
150
100
50
0
−50
−100
−150
pull
Entries 75
Mean −74.43
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

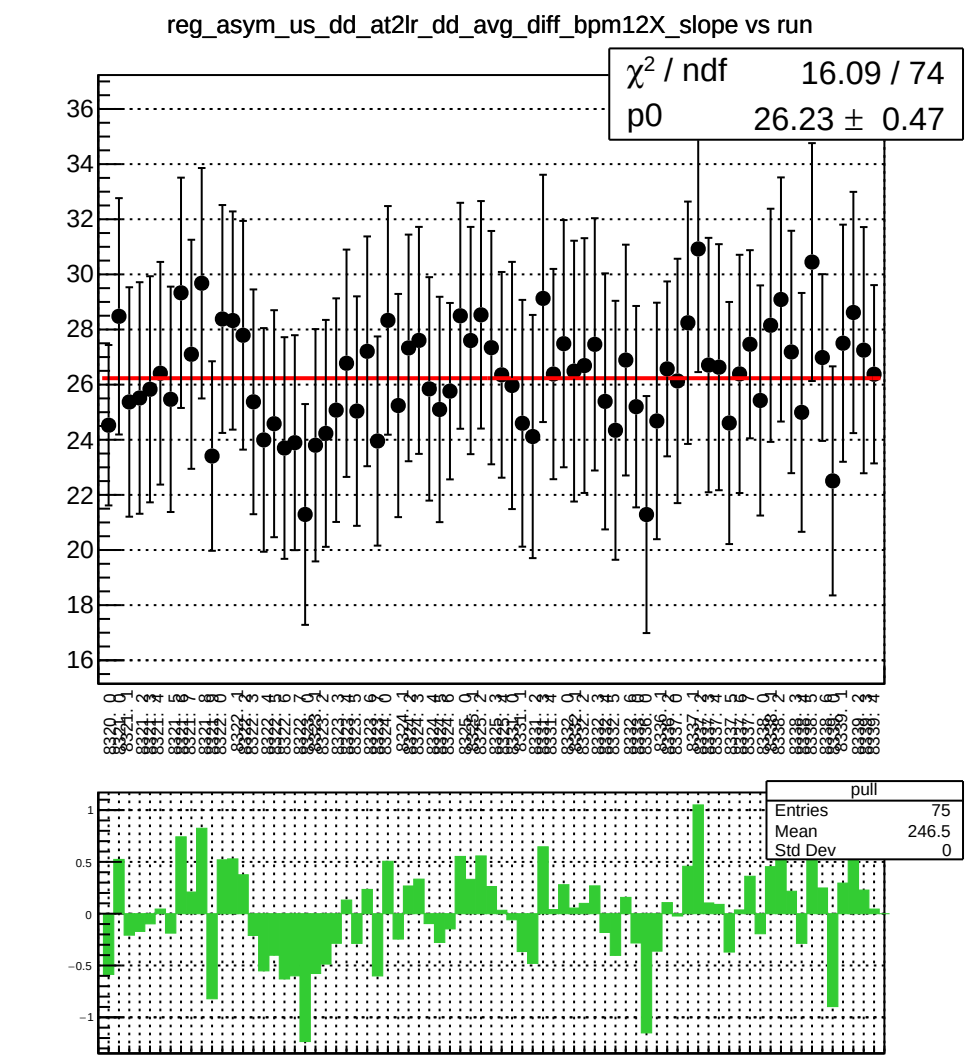

pull1D
Entries 75
Mean −0.003976
Std Dev 0.3906
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

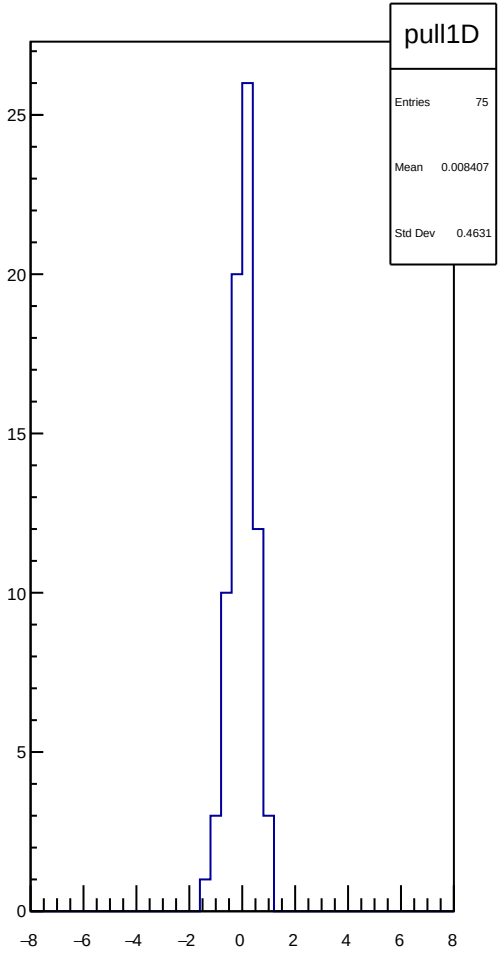

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.94 / 74
p0 −197.7 ± 4.831
pull
Entries 75
Mean 158.7
Std Dev 0

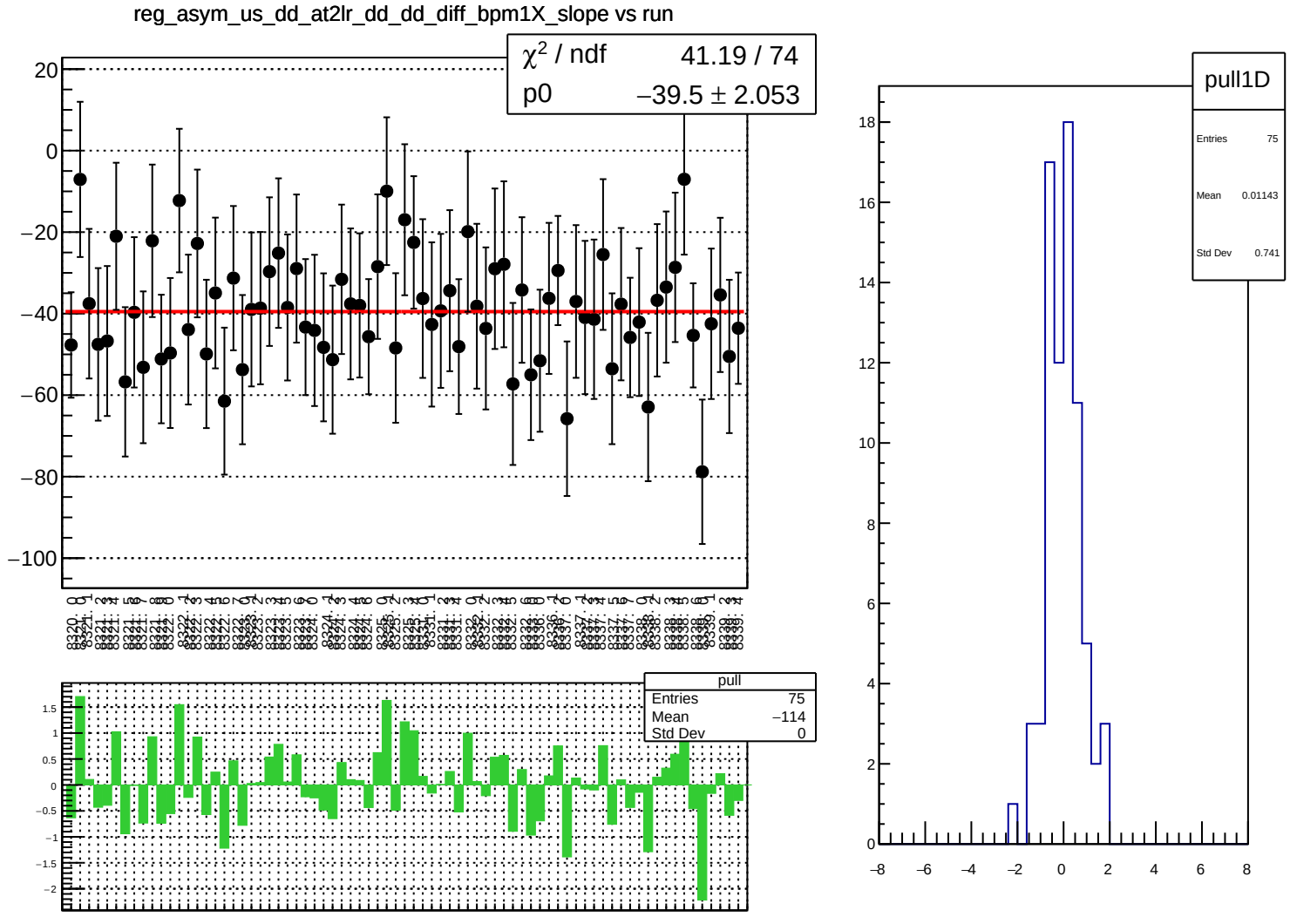

pull1D
Entries 75
Mean 0.002982
Std Dev 0.4463

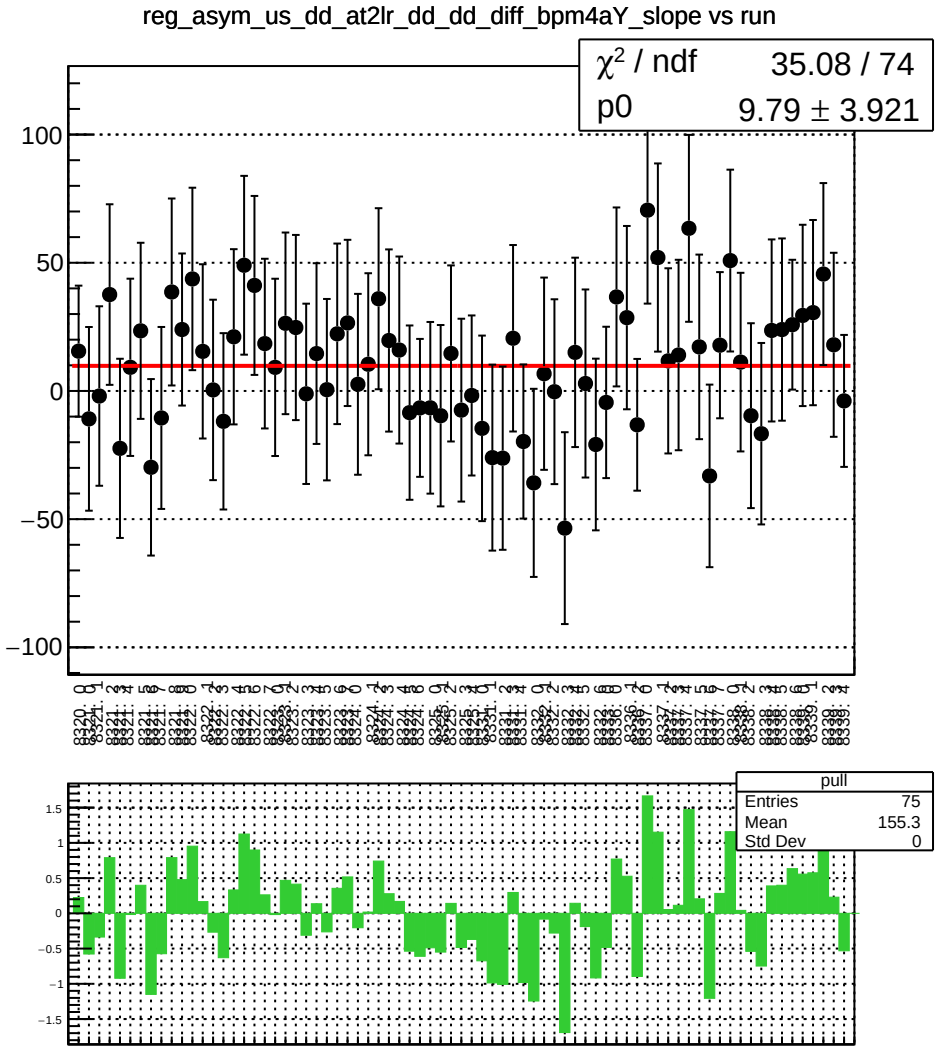

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.43 / 74
p0 11.67 ± 8.424
pull
Entries 75
Mean −72.06
Std Dev 0

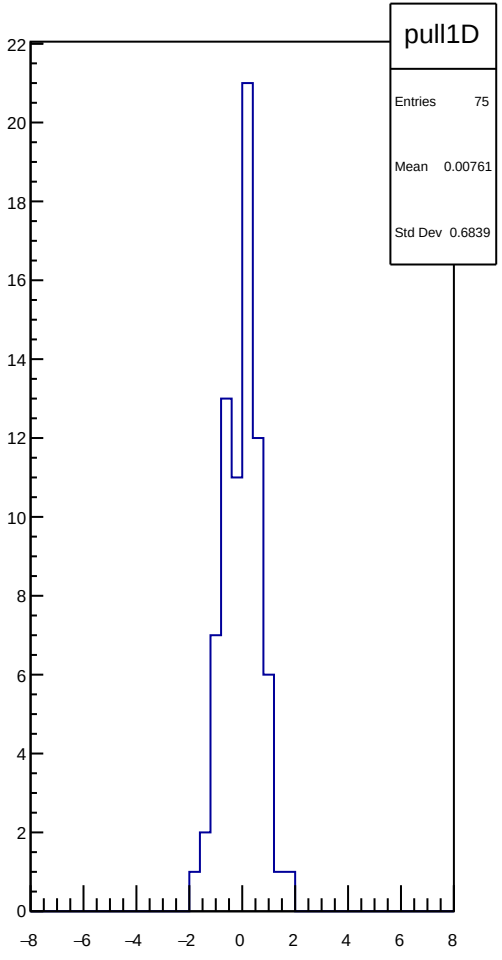

pull1D
Entries 75
Mean 0.004581
Std Dev 0.3904

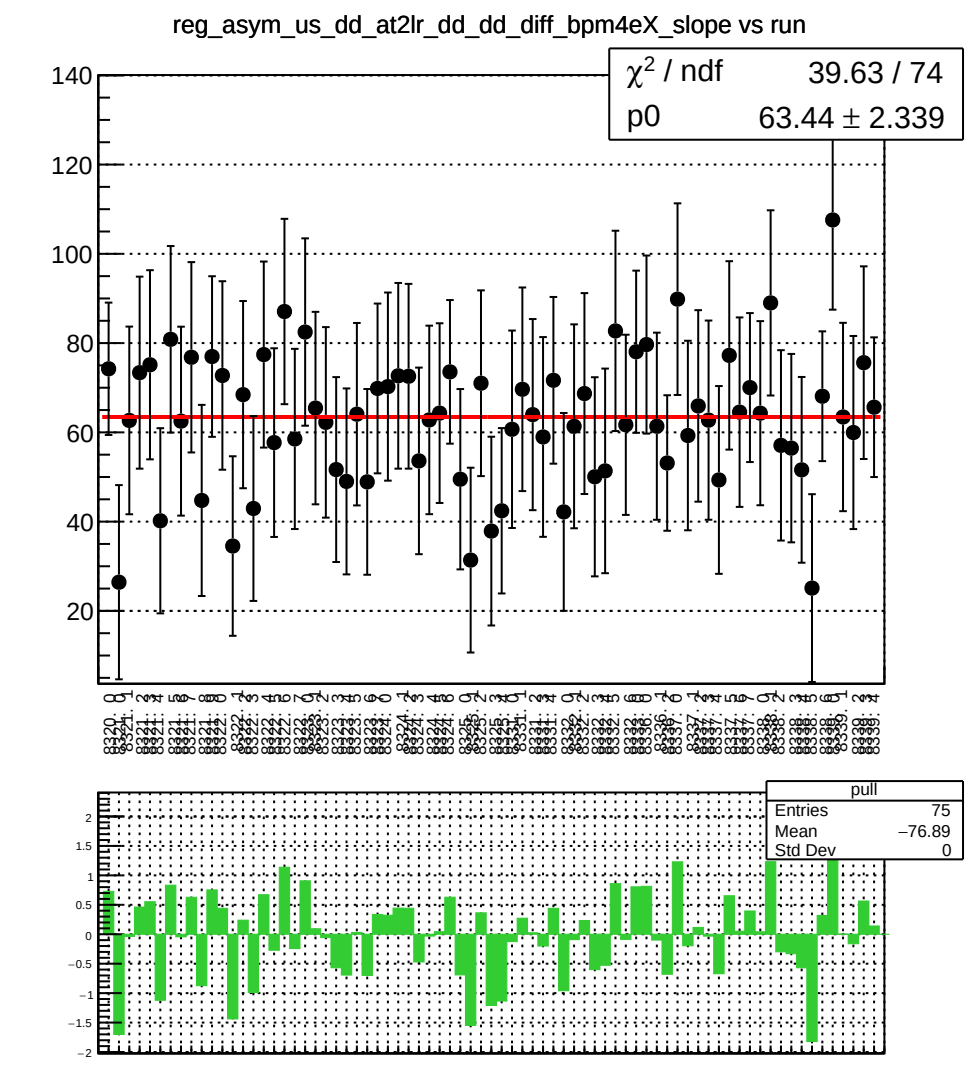

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 16.09 / 74
p0 26.23 ± 0.47
pull
Entries 75
Mean 246.5
Std Dev 0

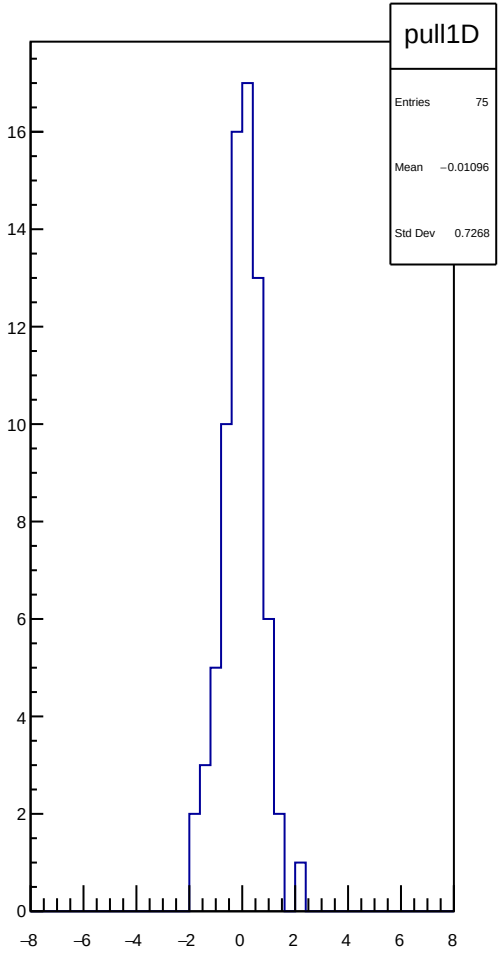

pull1D
Entries 75
Mean 0.008407
Std Dev 0.4631

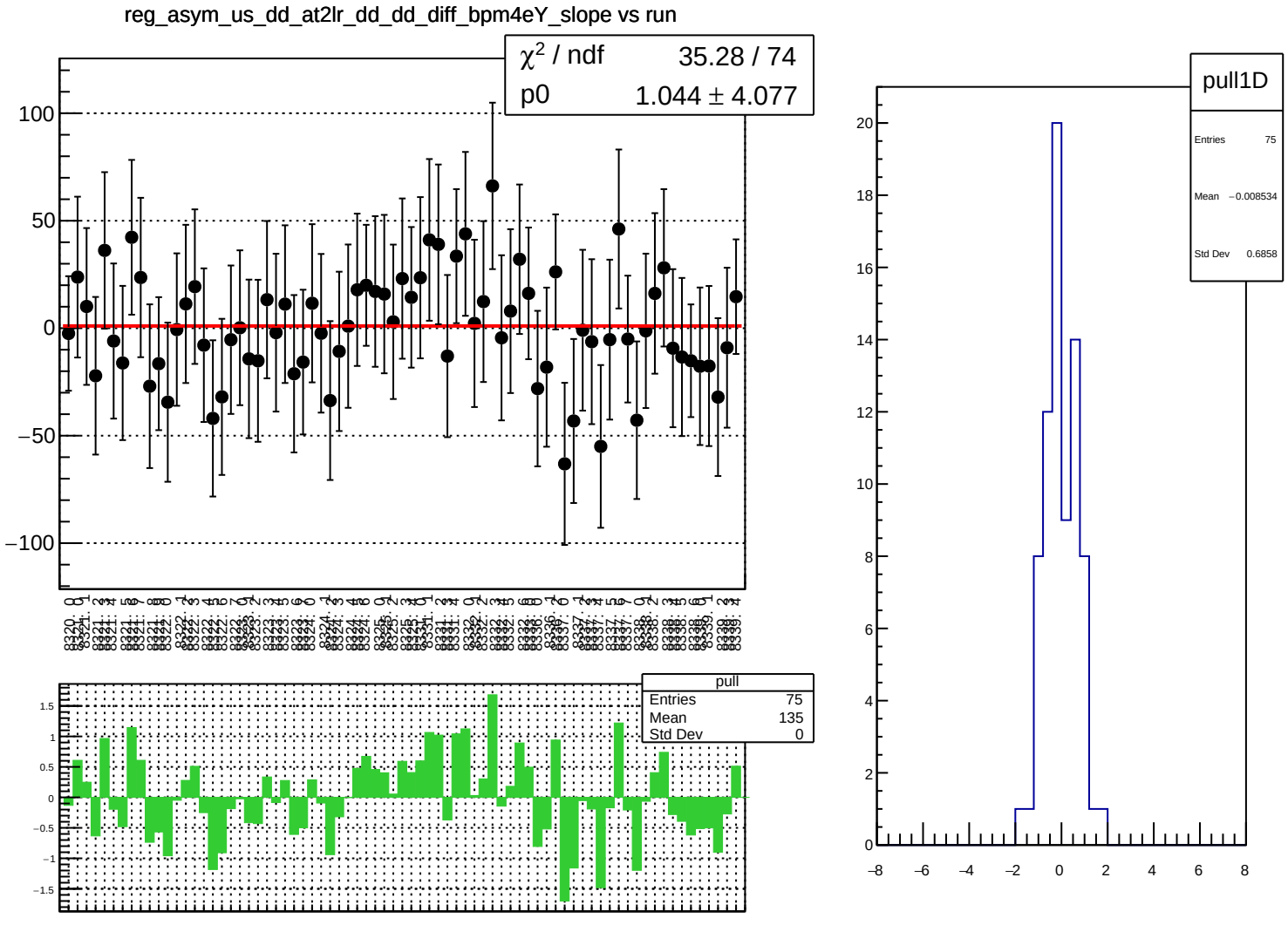

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 41.19 / 74
p0 −39.5 ± 2.053
pull
Entries 75
Mean −114
Std Dev 0
pull1D
Entries 75
Mean 0.01143
Std Dev 0.741

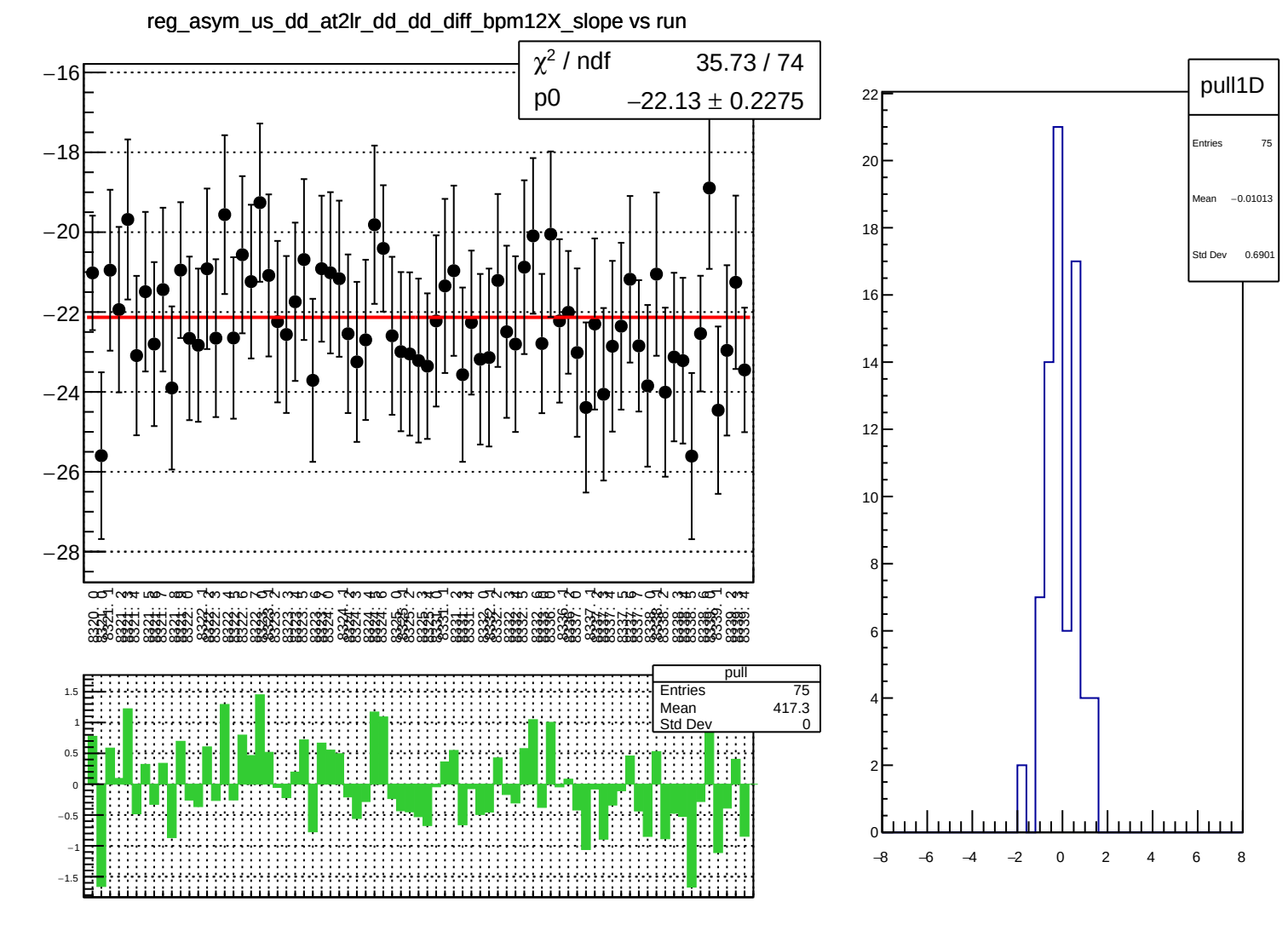

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.08 / 74
p0 9.79 ± 3.921
pull
Entries 75
Mean 155.3
Std Dev 0

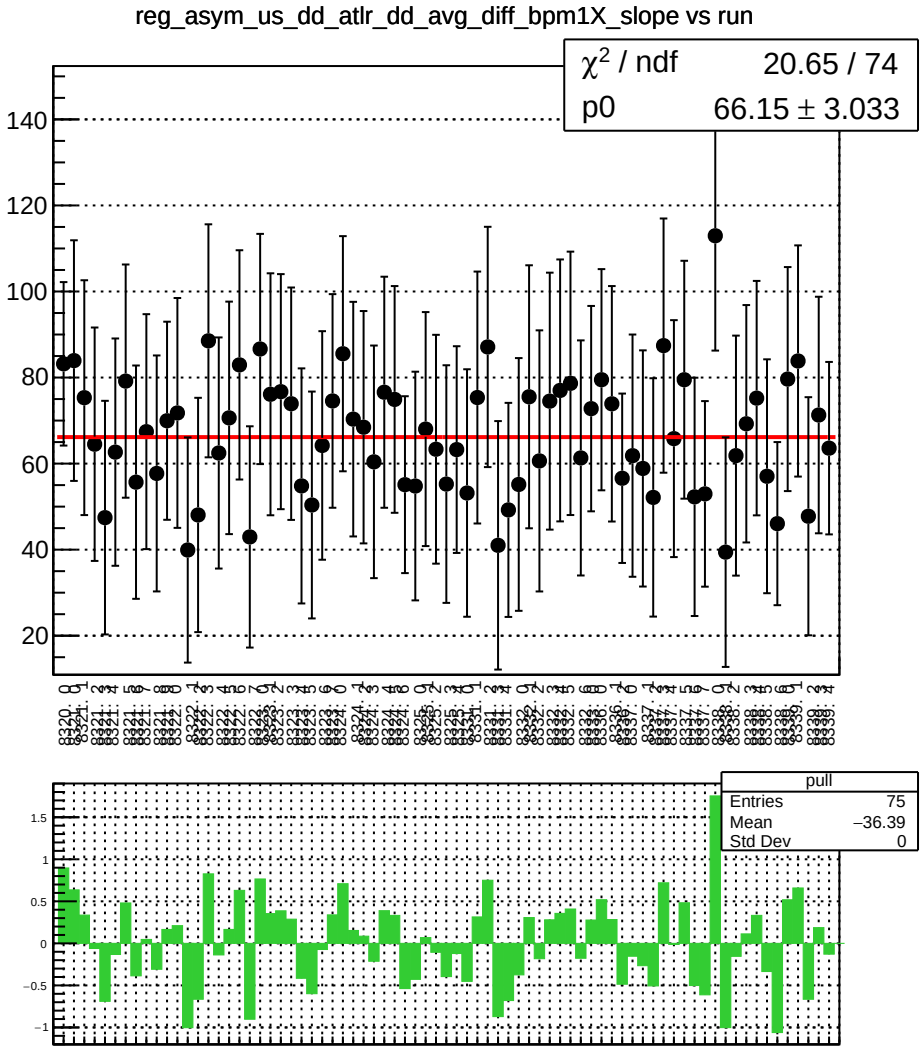

pull1D
Entries 75
Mean 0.00761
Std Dev 0.6839

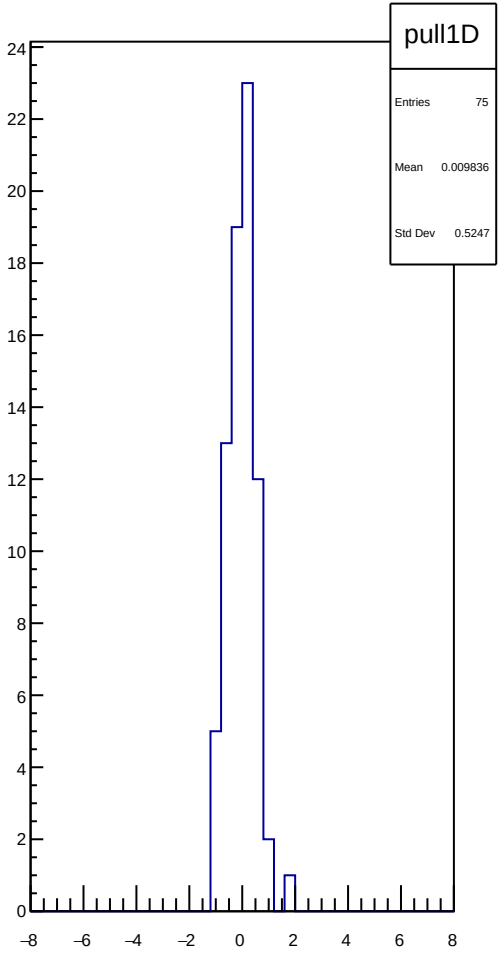

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.63 / 74
p0 63.44 ± 2.339
pull
Entries 75
Mean −76.89
Std Dev 0

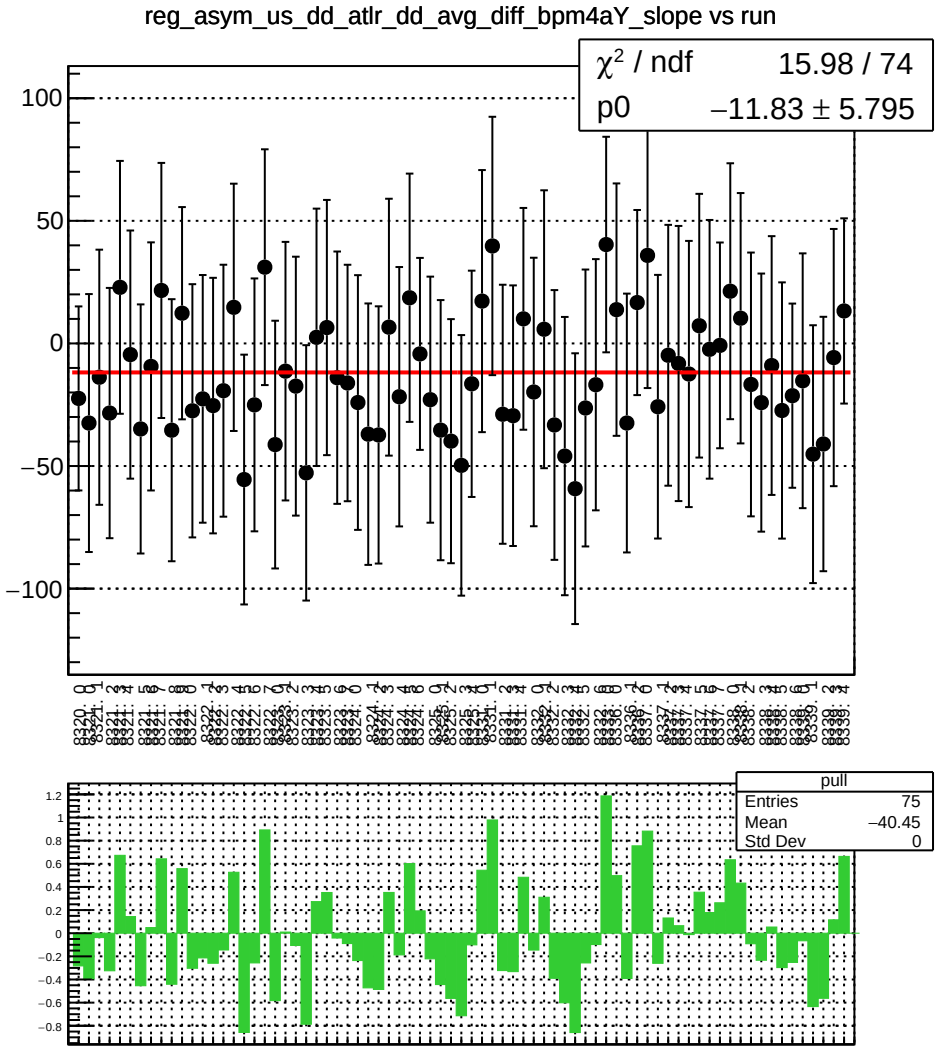

pull1D
Entries 75
Mean −0.01096
Std Dev 0.7268

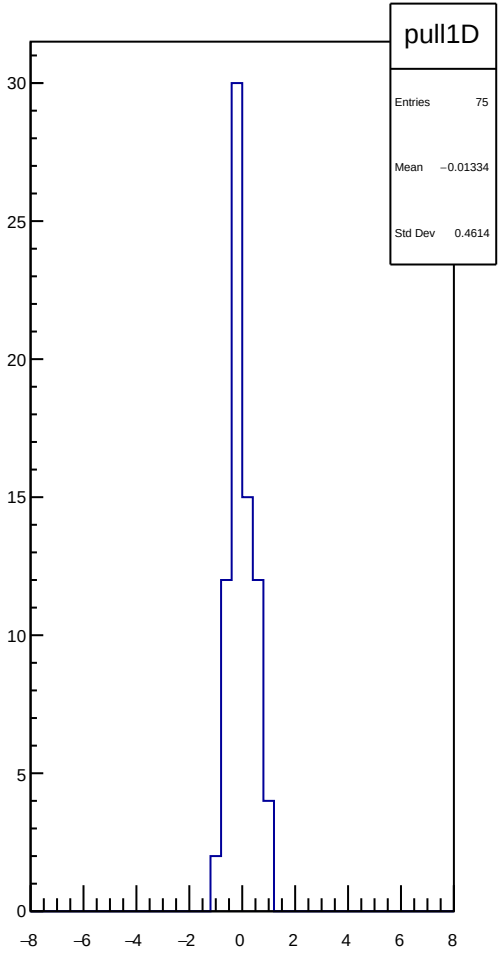

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.28 / 74
p0 1.044 ± 4.077
100
50
0
−50
−100
pull
Entries 75
Mean 135
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 75
Mean −0.008534
Std Dev 0.6858
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

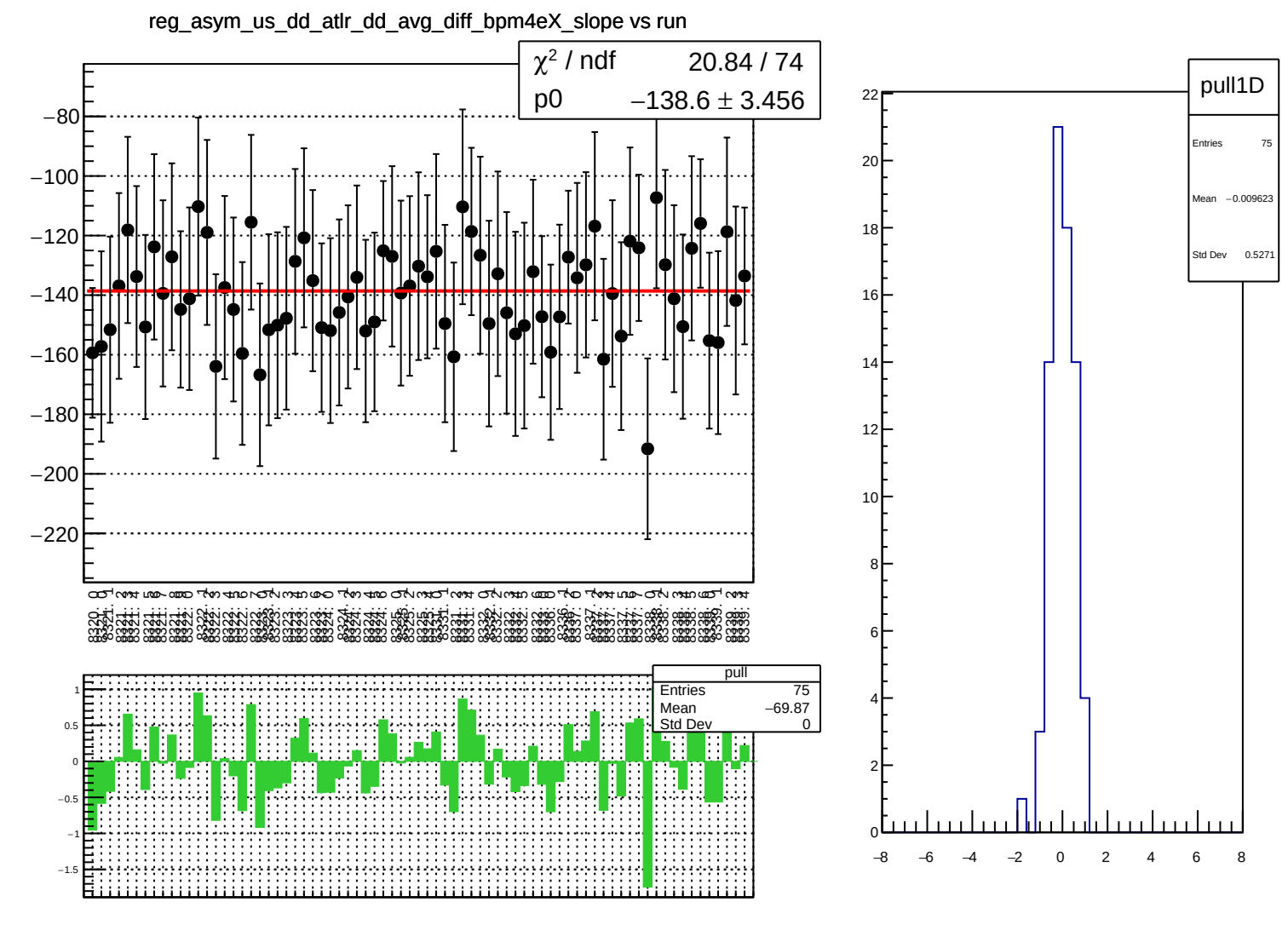

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 35.73 / 74
p0 −22.13 ± 0.2275
pull
Entries 75
Mean 417.3
Std Dev 0
pull1D
Entries 75
Mean −0.01013
Std Dev 0.6901

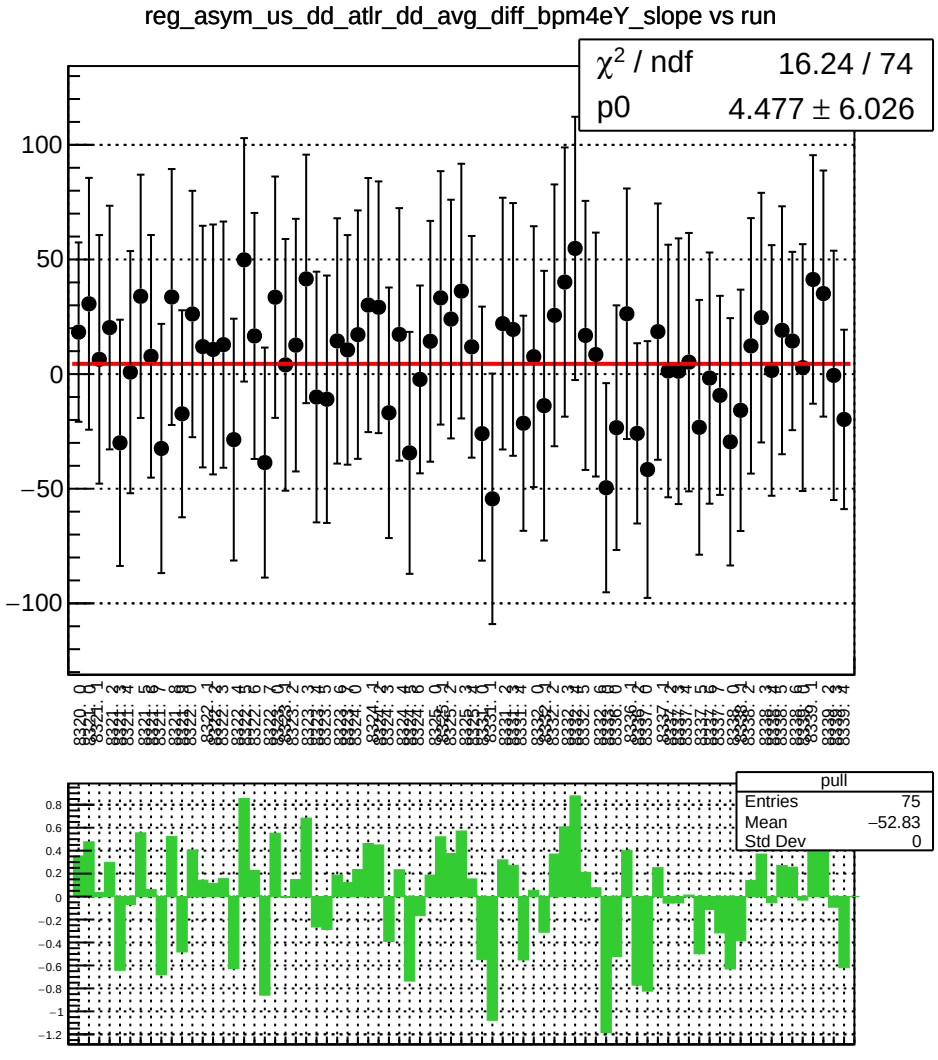

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 20.65 / 74
p0 66.15 ± 3.033
pull
Entries 75
Mean −36.39
Std Dev 0

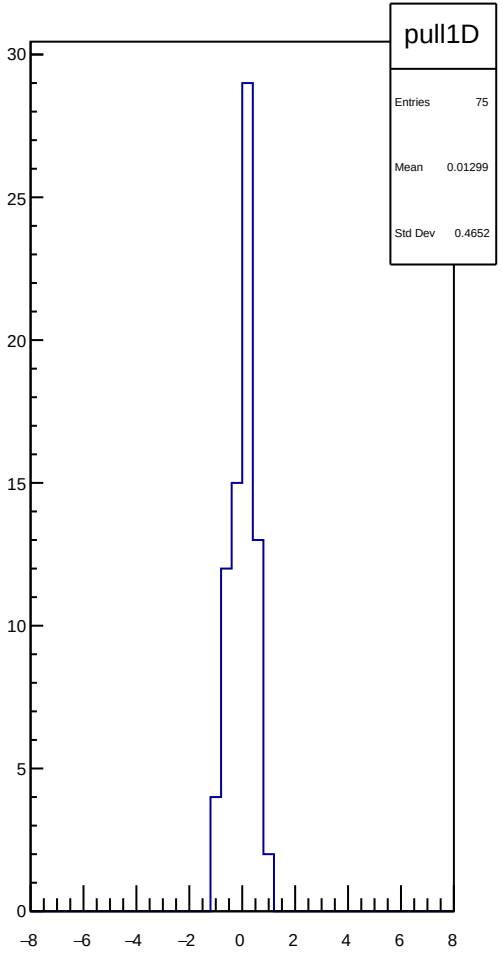

pull1D
Entries 75
Mean 0.009836
Std Dev 0.5247

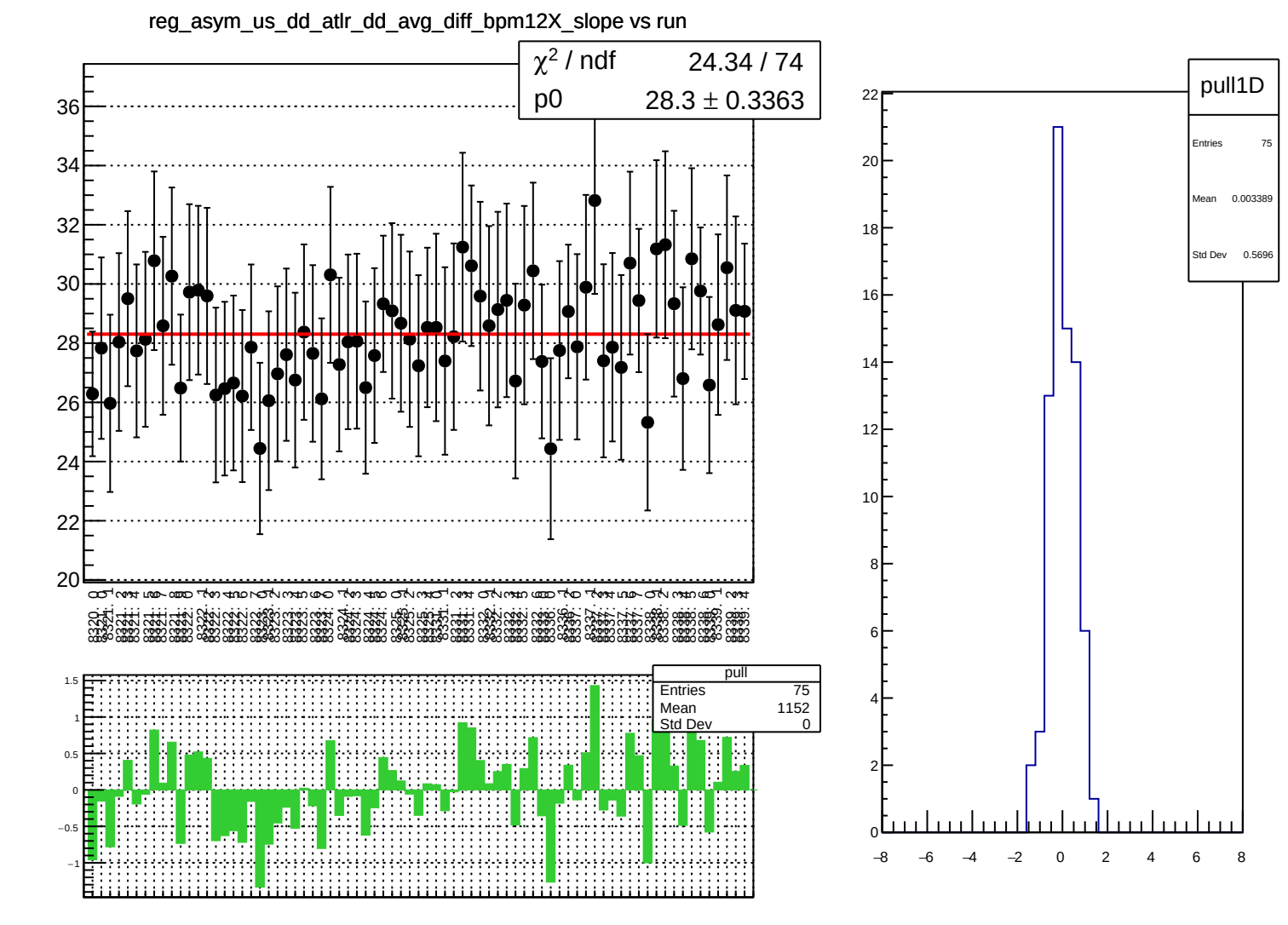

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.98 / 74
p0 −11.83 ± 5.795
pull
Entries 75
Mean −40.45
Std Dev 0

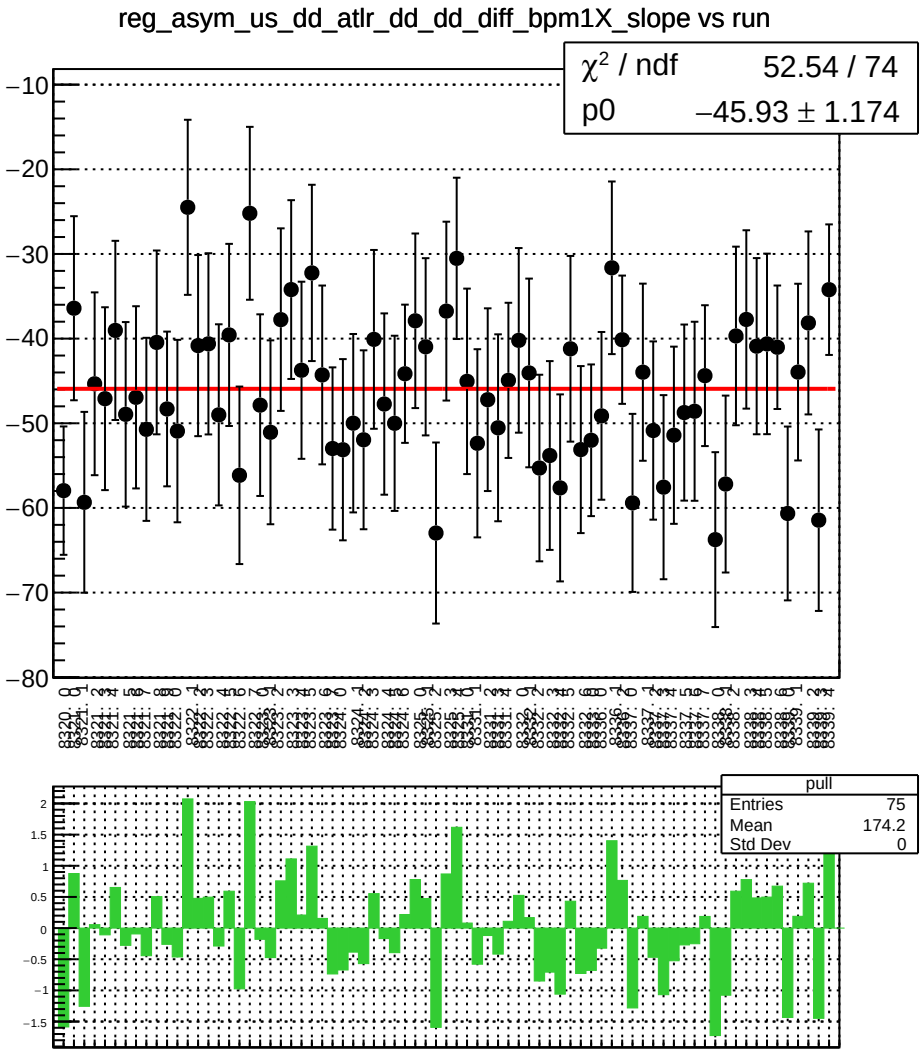

pull1D
Entries 75
Mean −0.01334
Std Dev 0.4614

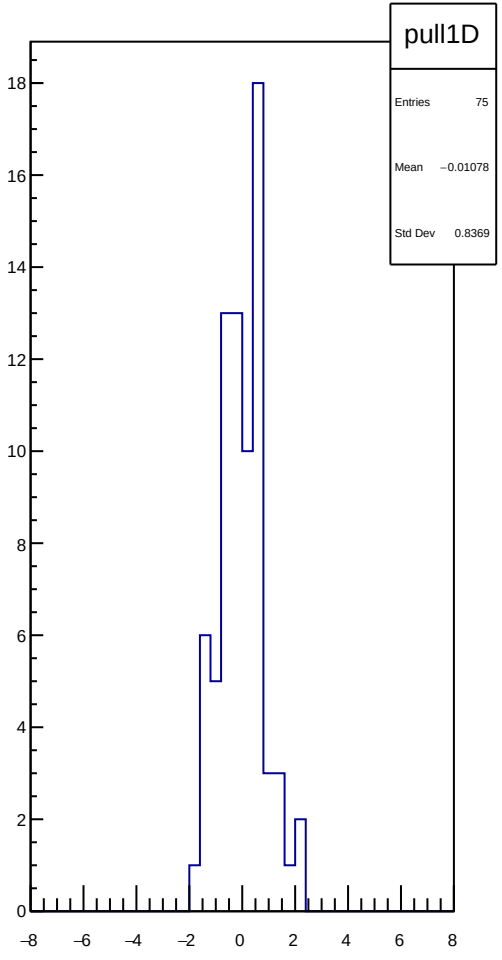

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.84 / 74
p0 −138.6 ± 3.456
pull
Entries 75
Mean −69.87
Std Dev 0
pull1D
Entries 75
Mean −0.009623
Std Dev 0.5271

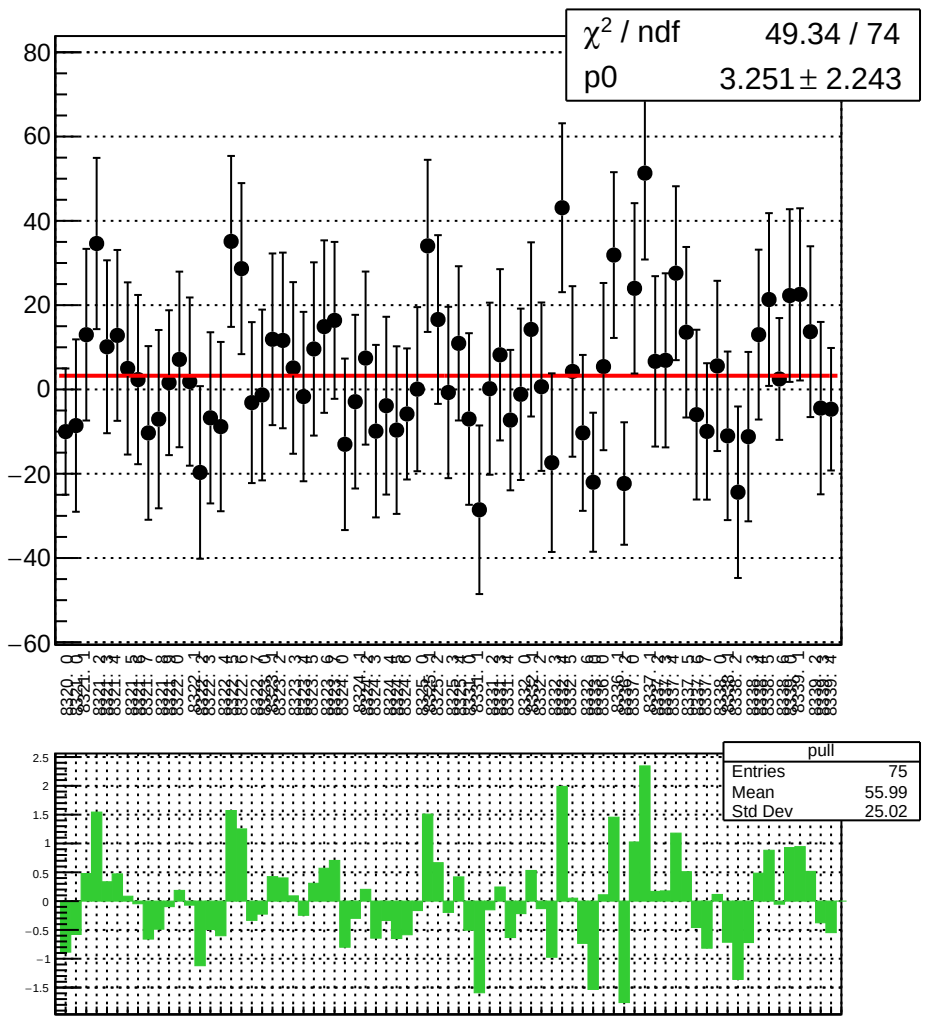

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.24 / 74
p0 4.477 ± 6.026
pull
Entries 75
Mean −52.83
Std Dev 0

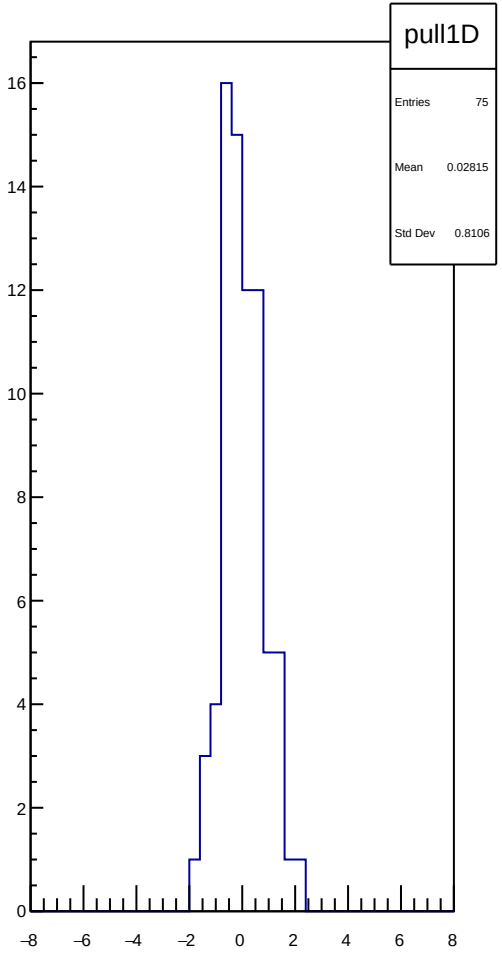

pull1D
Entries 75
Mean 0.01299
Std Dev 0.4652

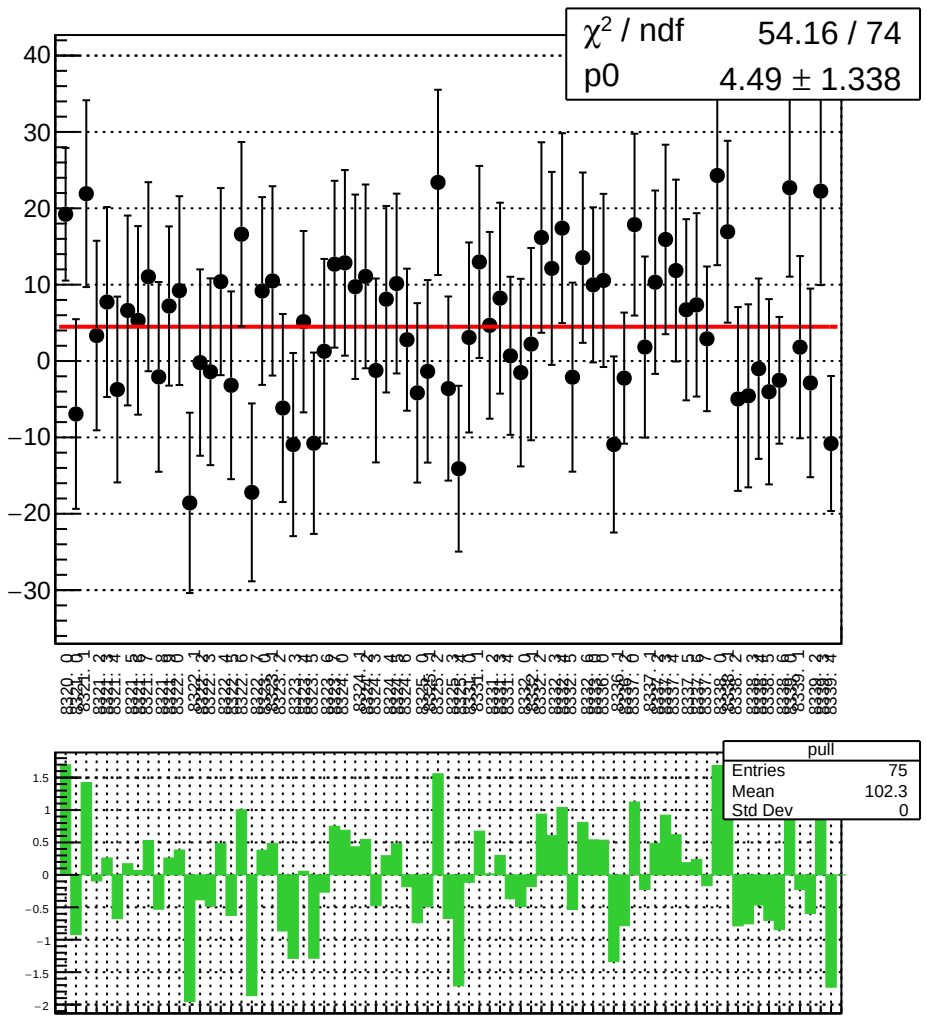

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 24.34 / 74
p0 28.3 ± 0.3363
pull
Entries 75
Mean 1152
Std Dev 0
pull1D
Entries 75
Mean 0.003389
Std Dev 0.5696

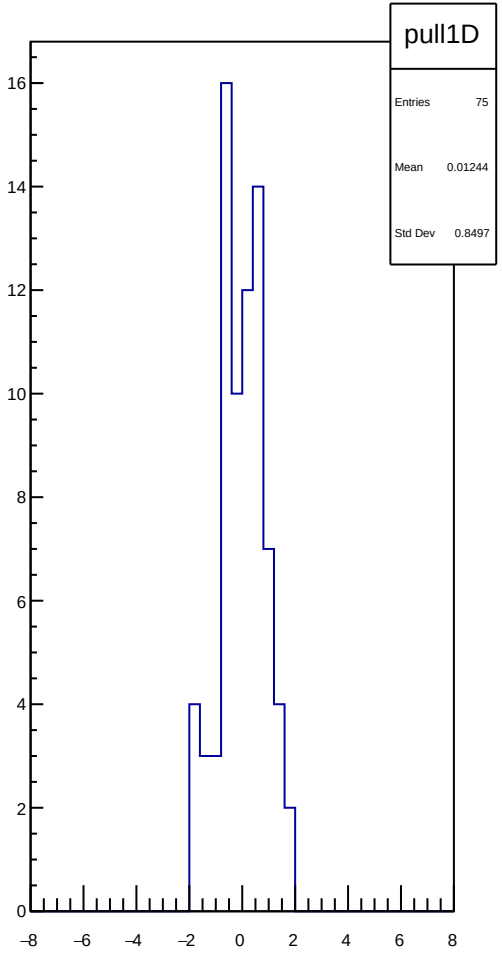

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 52.54 / 74
p0 −45.93 ± 1.174
pull
Entries 75
Mean 174.2
Std Dev 0

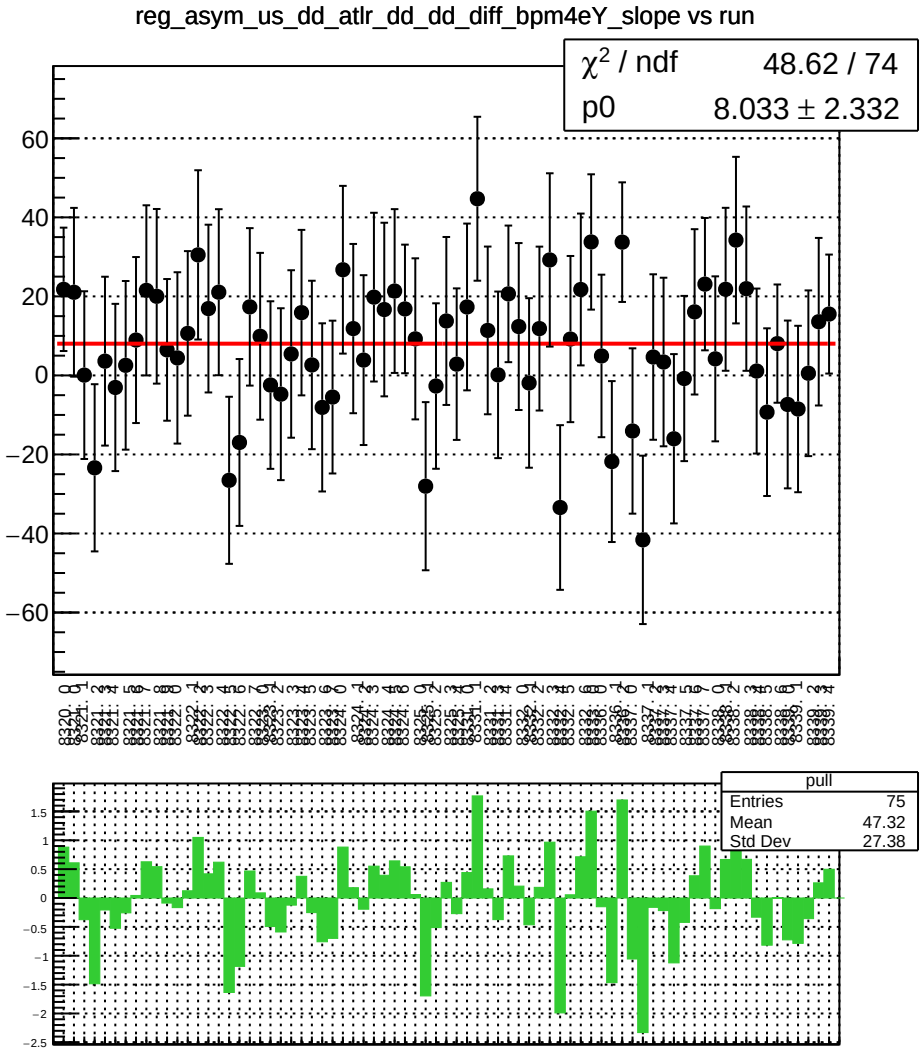

pull1D
Entries 75
Mean −0.01078
Std Dev 0.8369

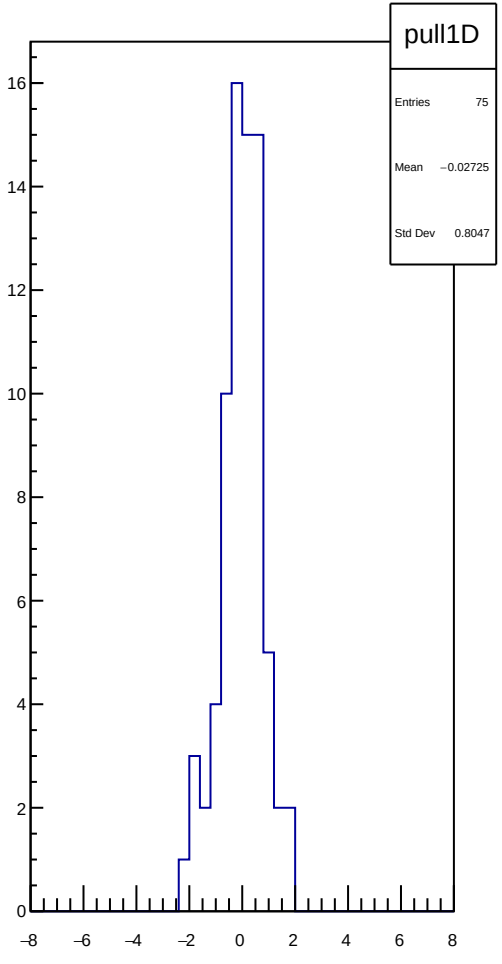

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.34 / 74
p0 3.251 ± 2.243
pull
Entries 75
Mean 55.99
Std Dev 25.02

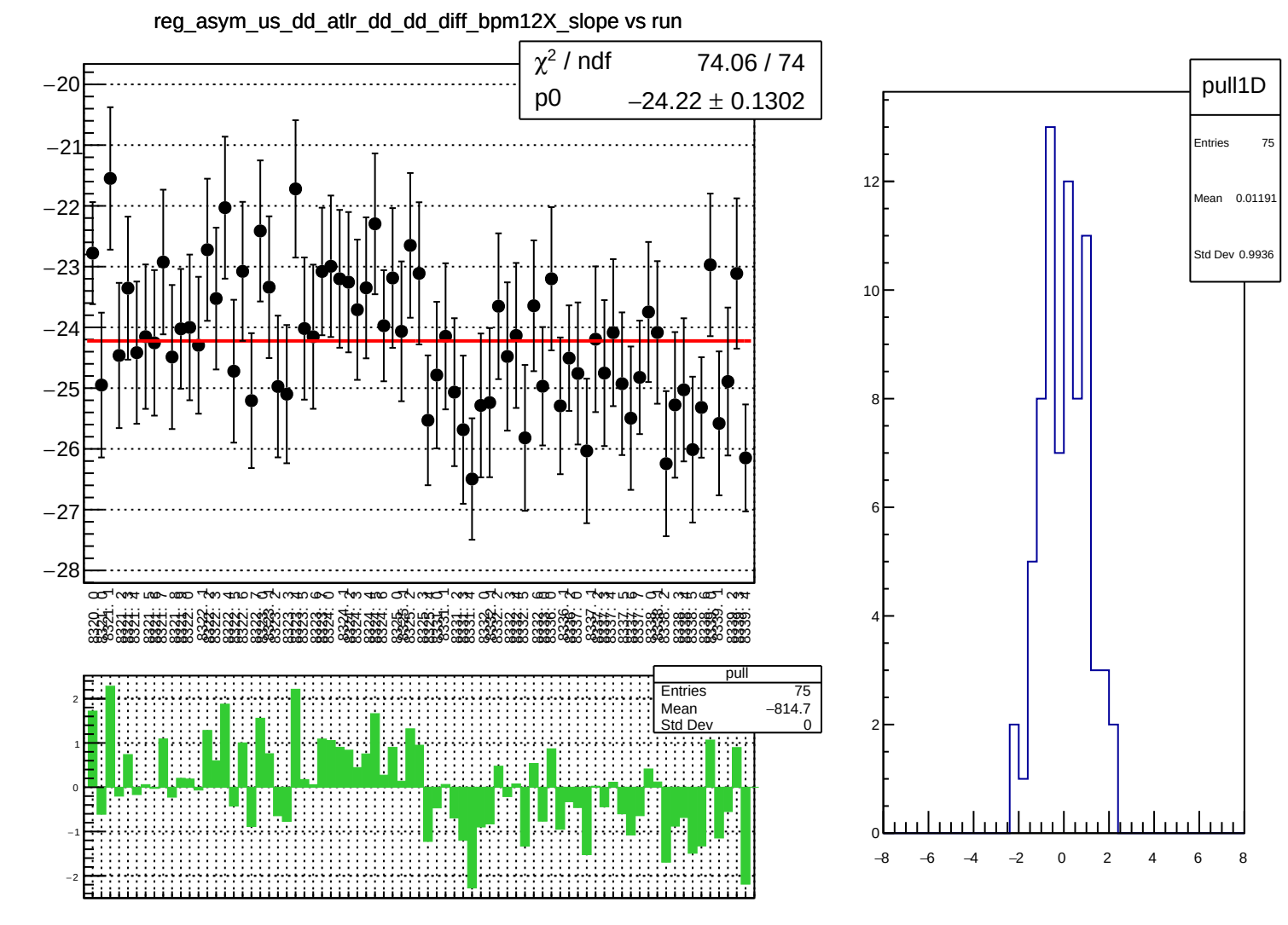

pull1D
Entries 75
Mean 0.02815
Std Dev 0.8106

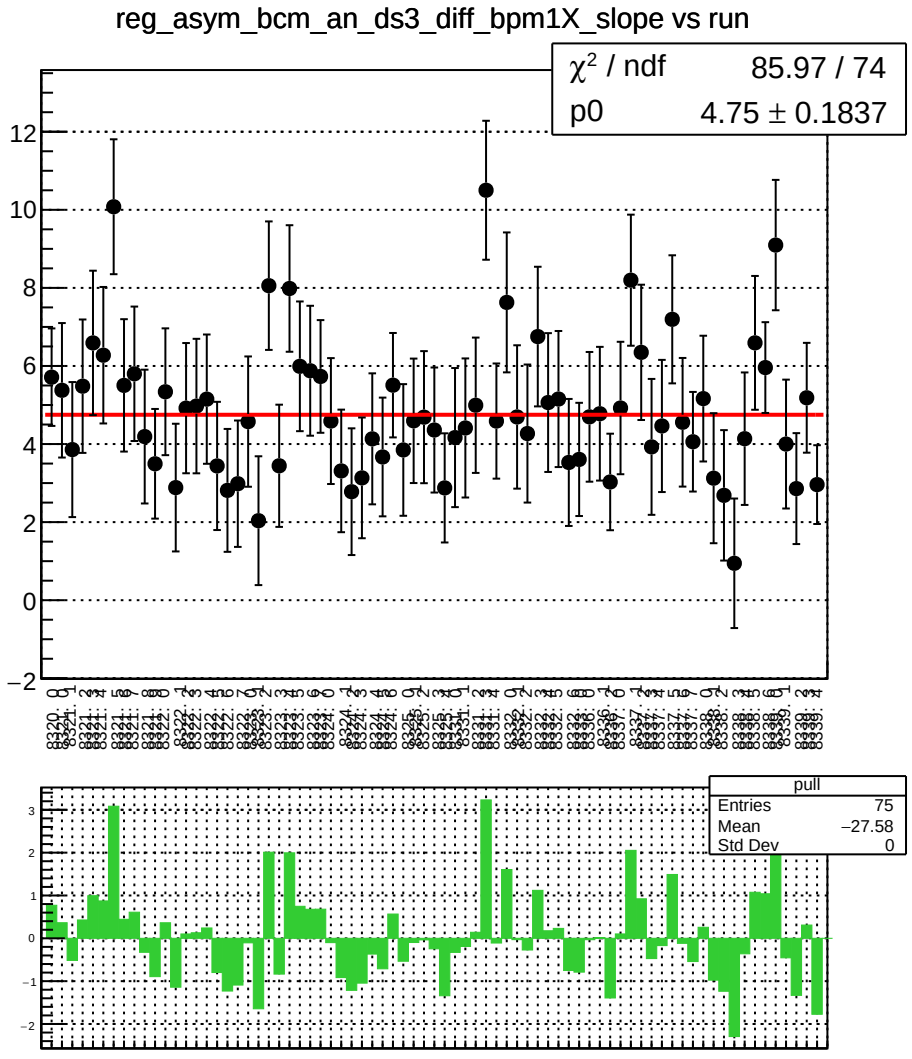

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.16 / 74
p0 4.49 ± 1.338
pull
Entries 75
Mean 102.3
Std Dev 0

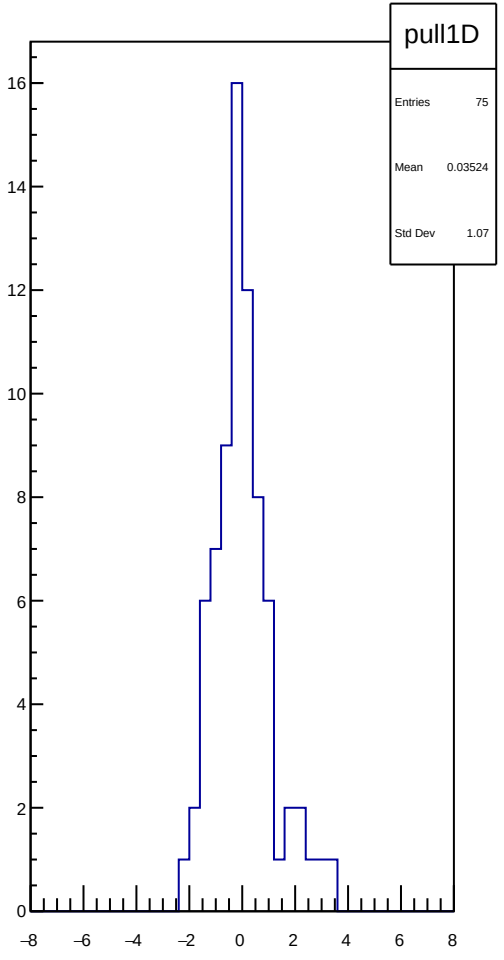

pull1D
Entries 75
Mean 0.01244
Std Dev 0.8497

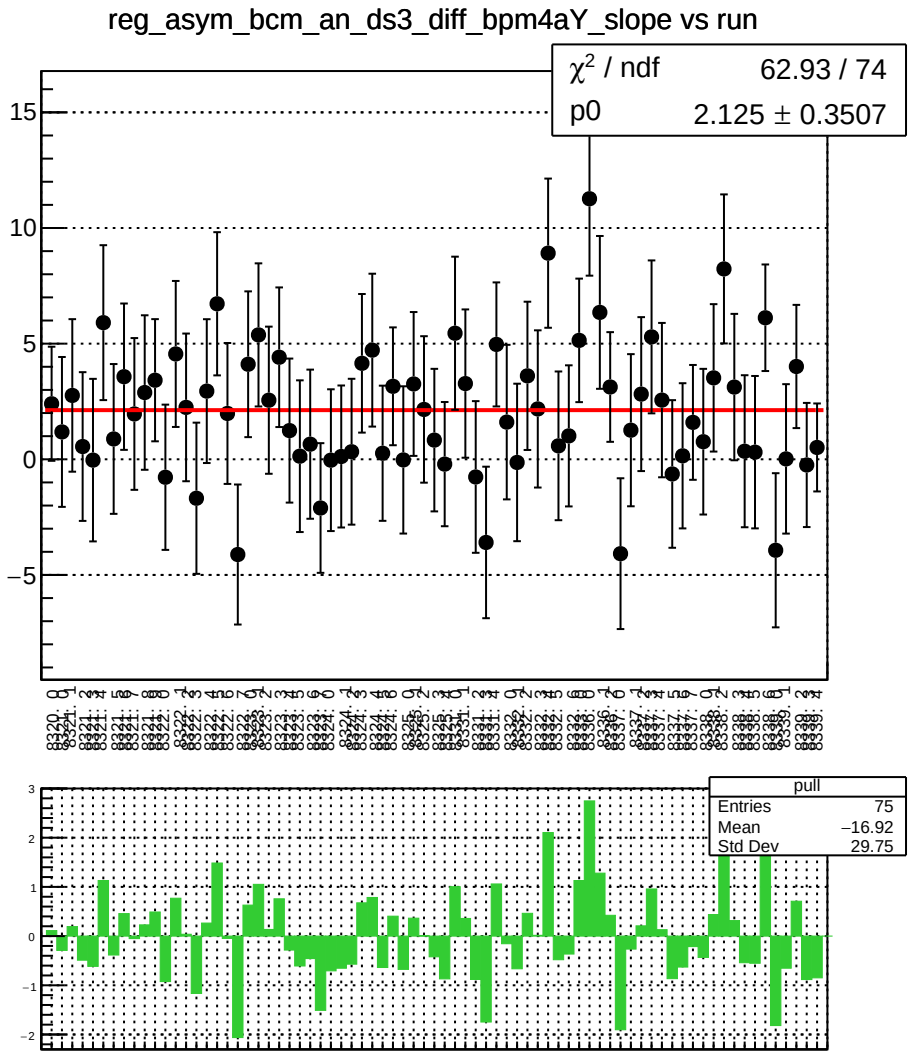

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.62 / 74
p0 8.033 ± 2.332
pull
Entries 75
Mean 47.32
Std Dev 27.38

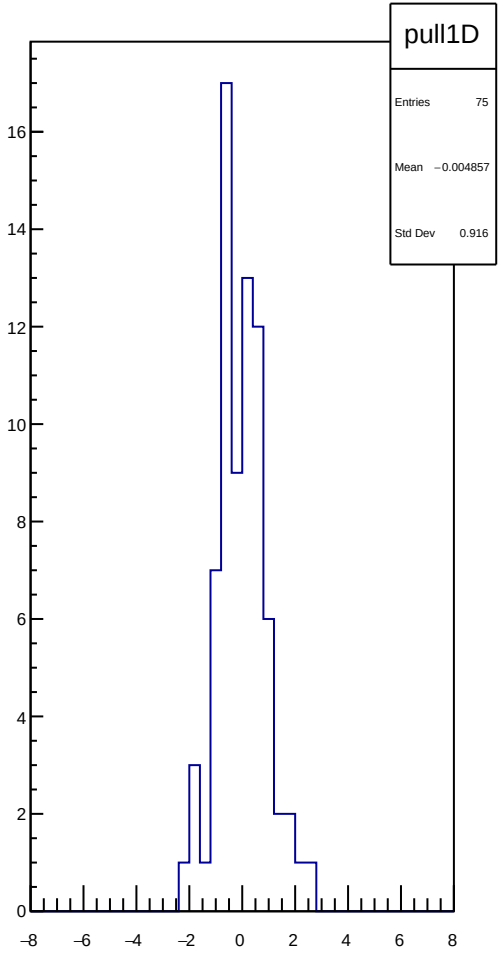

pull1D
Entries 75
Mean −0.02725
Std Dev 0.8047

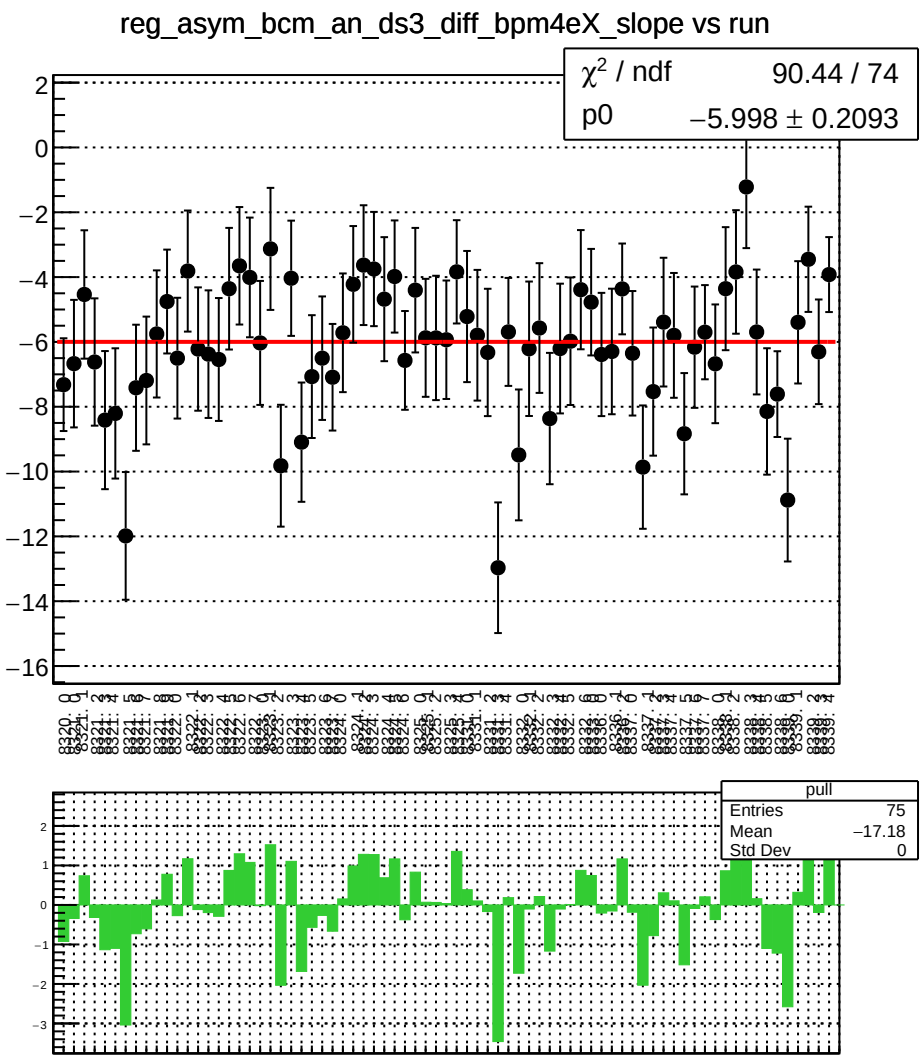

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 74.06 / 74
p0 −24.22 ± 0.1302
pull
Entries 75
Mean −814.7
Std Dev 0
pull1D
Entries 75
Mean 0.01191
Std Dev 0.9936

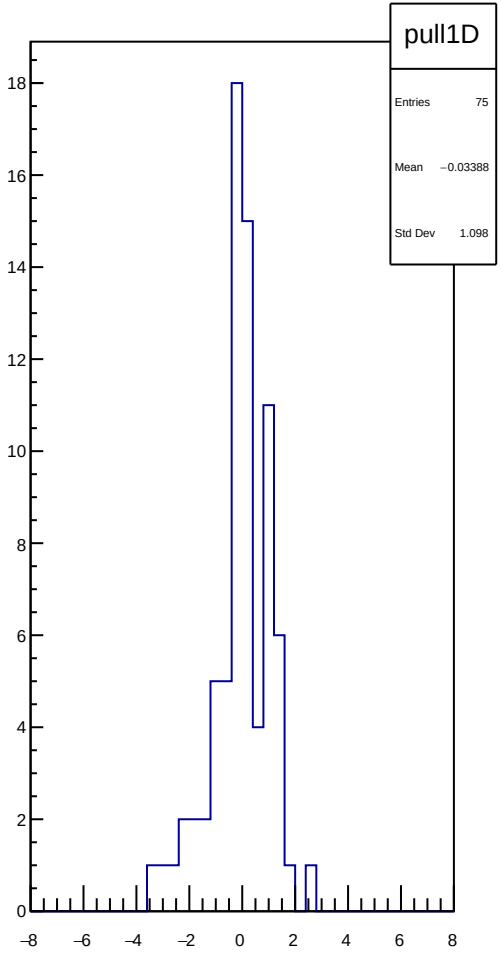

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 85.97 / 74
p0 4.75 ± 0.1837
pull
Entries 75
Mean −27.58
Std Dev 0

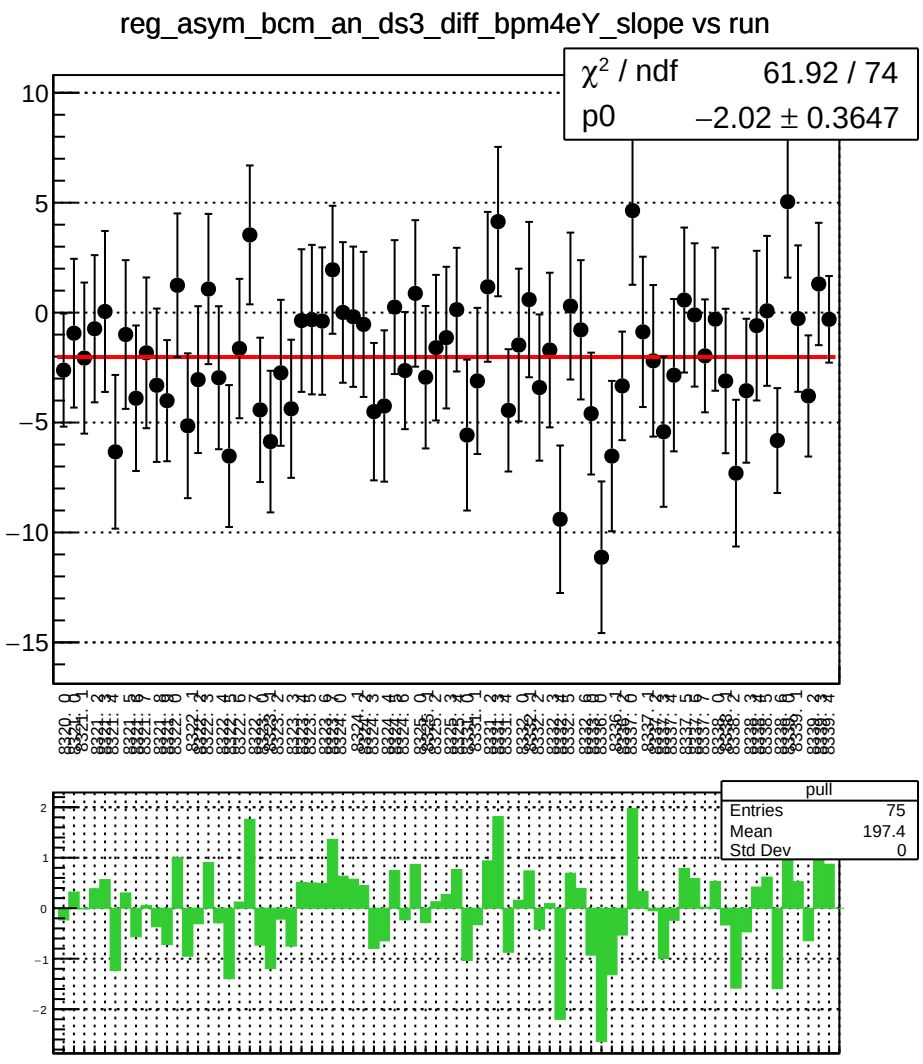

pull1D
Entries 75
Mean 0.03524
Std Dev 1.07

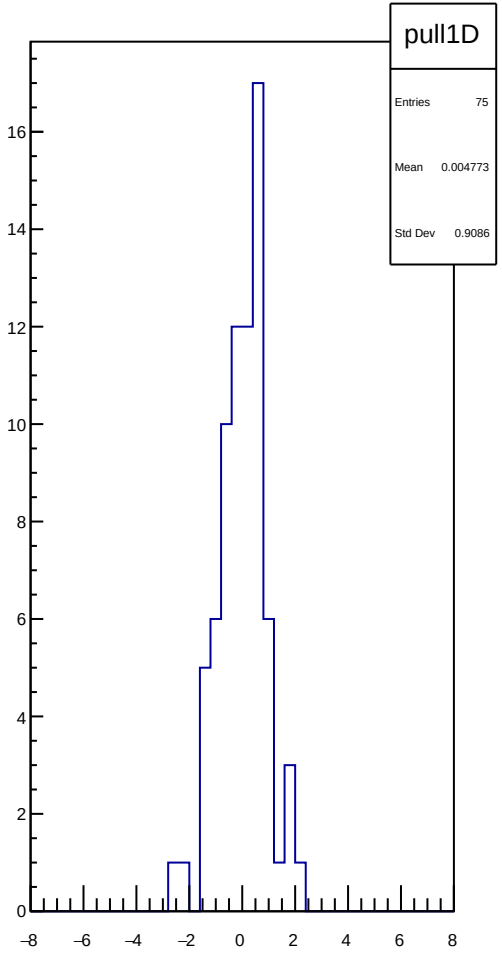

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 62.93 / 74
p0 2.125 ± 0.3507
pull
Entries 75
Mean −16.92
Std Dev 29.75

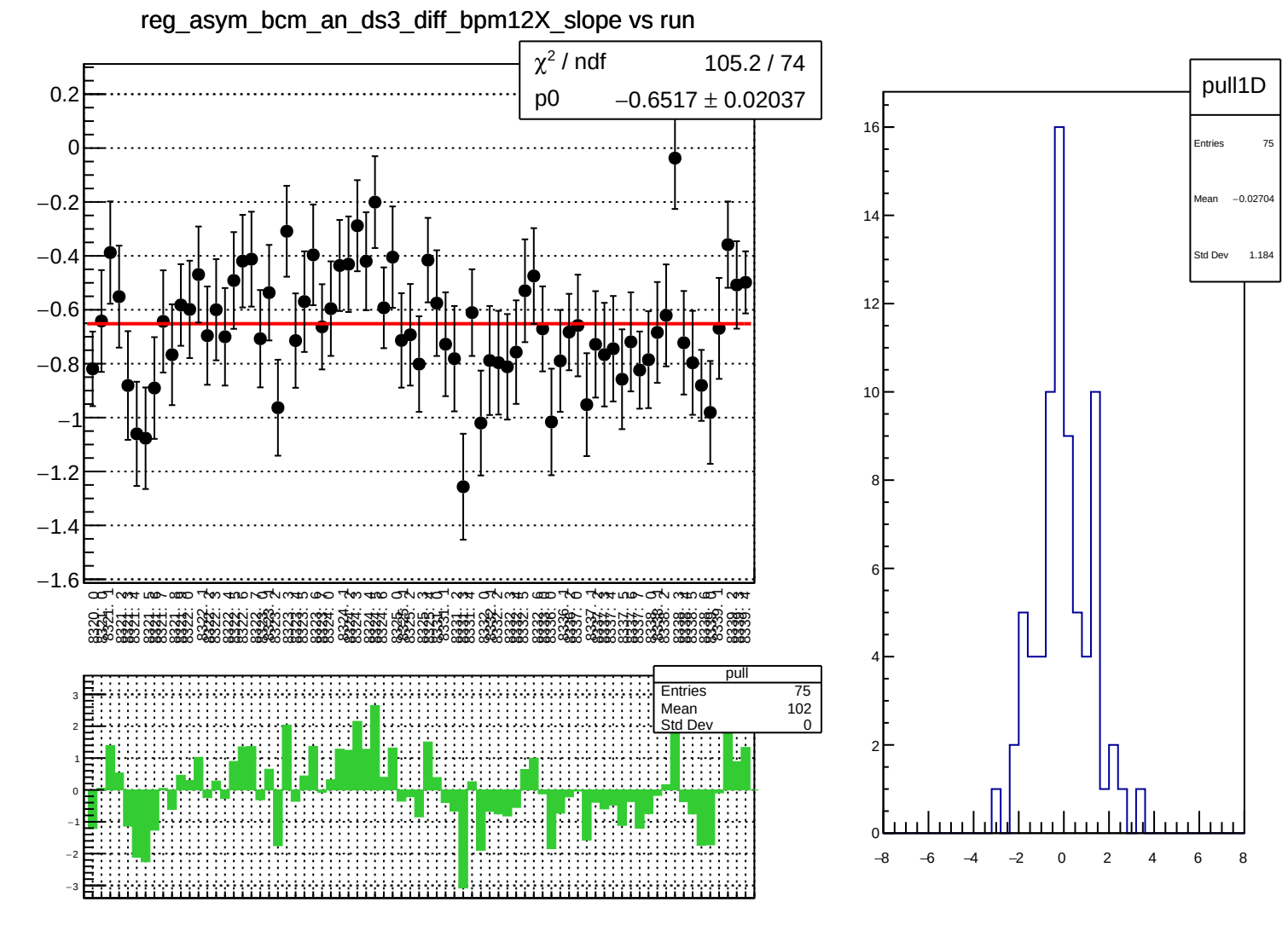

pull1D
Entries 75
Mean −0.004857
Std Dev 0.916

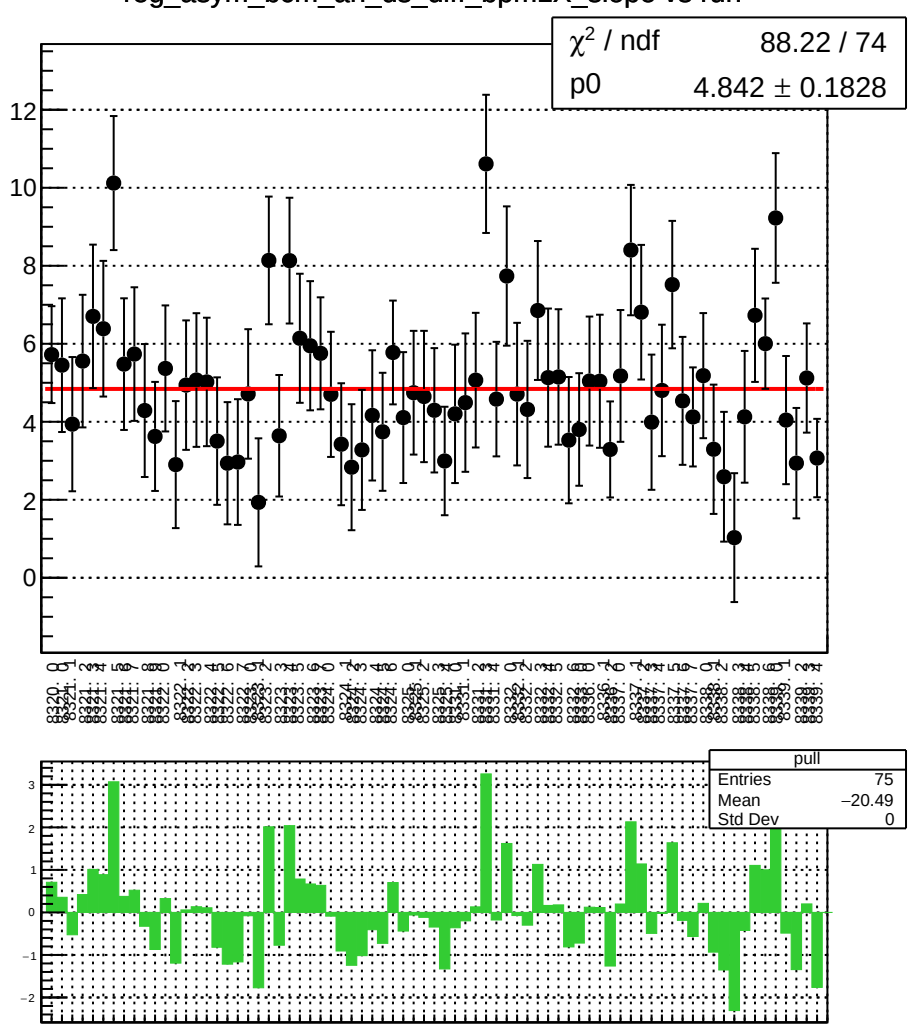

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 90.44 / 74
p0 −5.998 ± 0.2093
pull
Entries 75
Mean −17.18
Std Dev 0

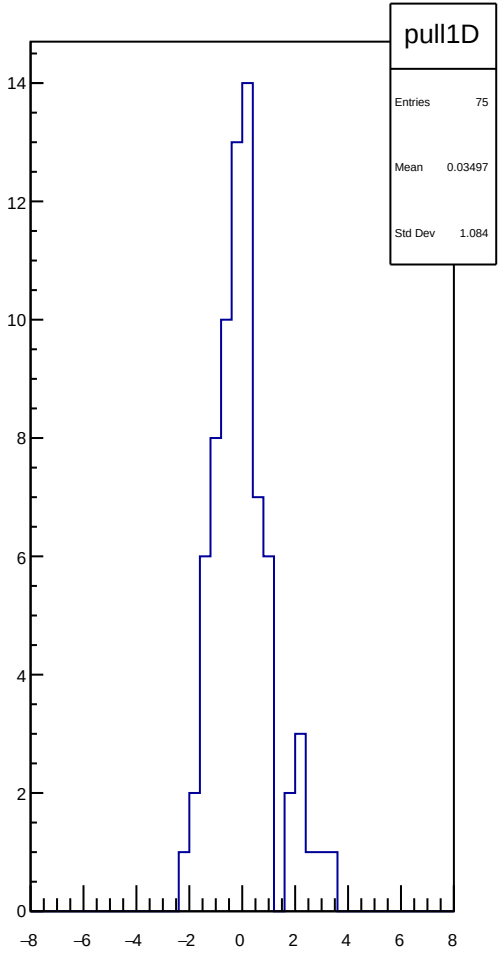

pull1D
Entries 75
Mean −0.03388
Std Dev 1.098

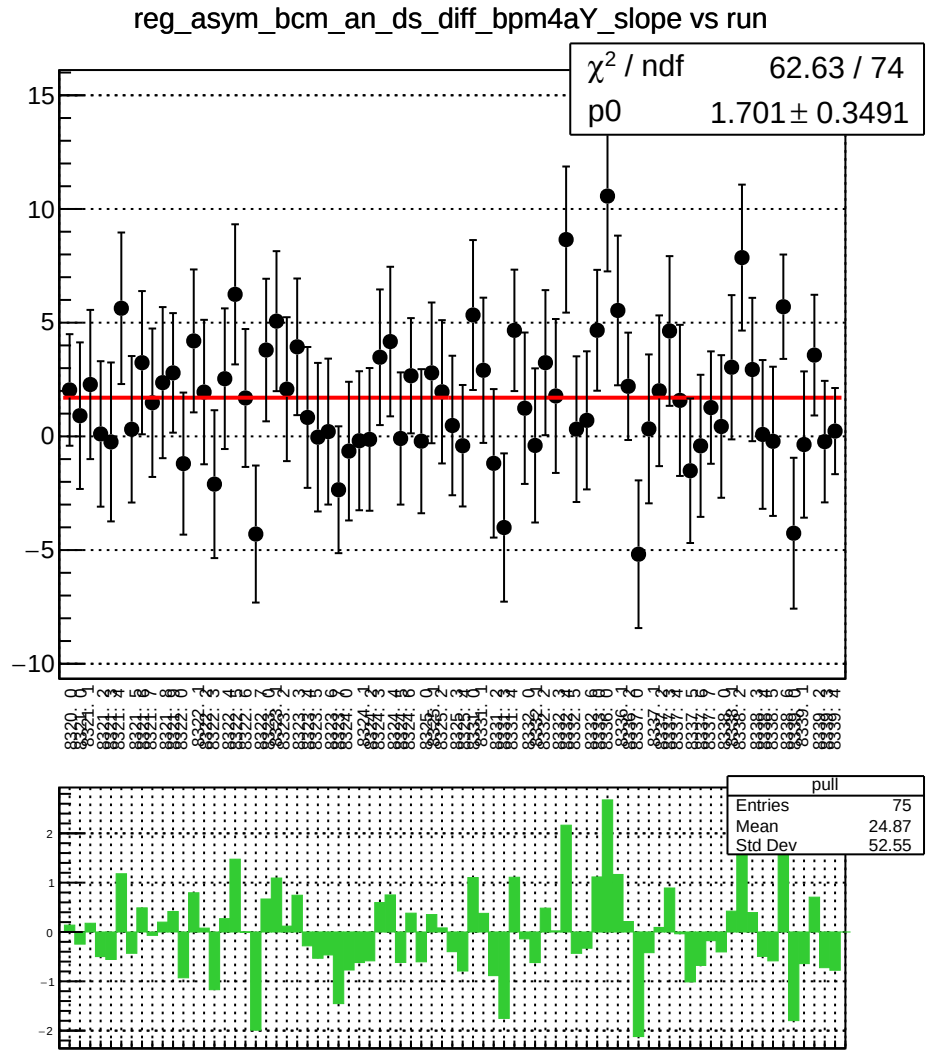

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 61.92 / 74
p0 −2.02 ± 0.3647
pull
Entries 75
Mean 197.4
Std Dev 0

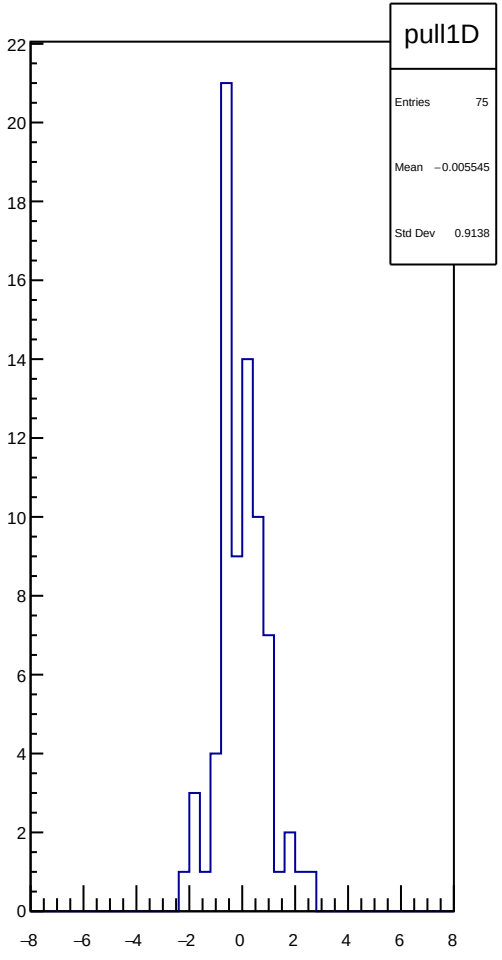

pull1D
Entries 75
Mean 0.004773
Std Dev 0.9086

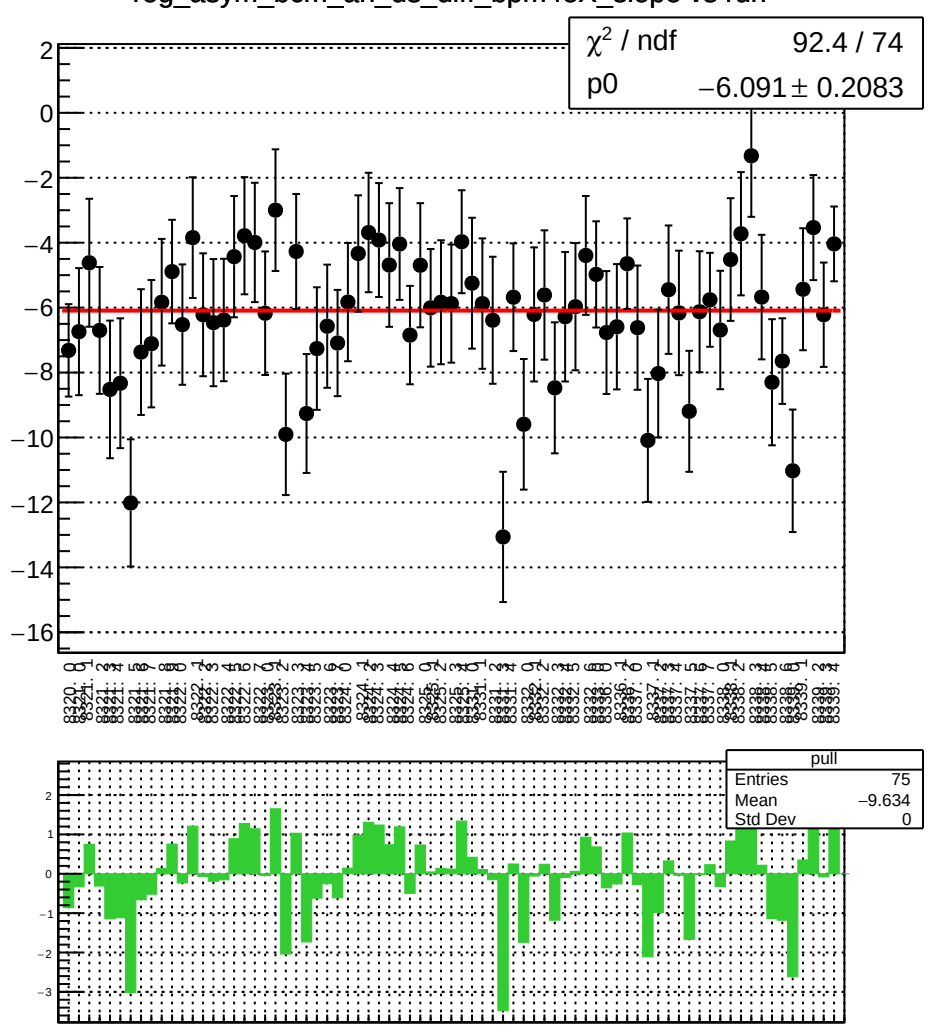

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 74
p0 −0.6517 ± 0.02037
pull
Entries 75
Mean 102
Std Dev 0
pull1D
Entries 75
Mean −0.02704
Std Dev 1.184

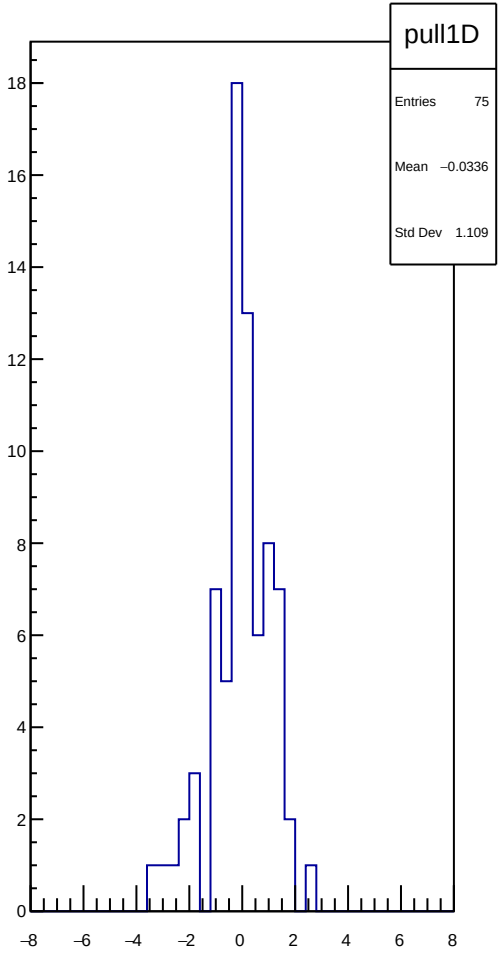

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 88.22 / 74
p0 4.842 ± 0.1828
pull
Entries 75
Mean −20.49
Std Dev 0

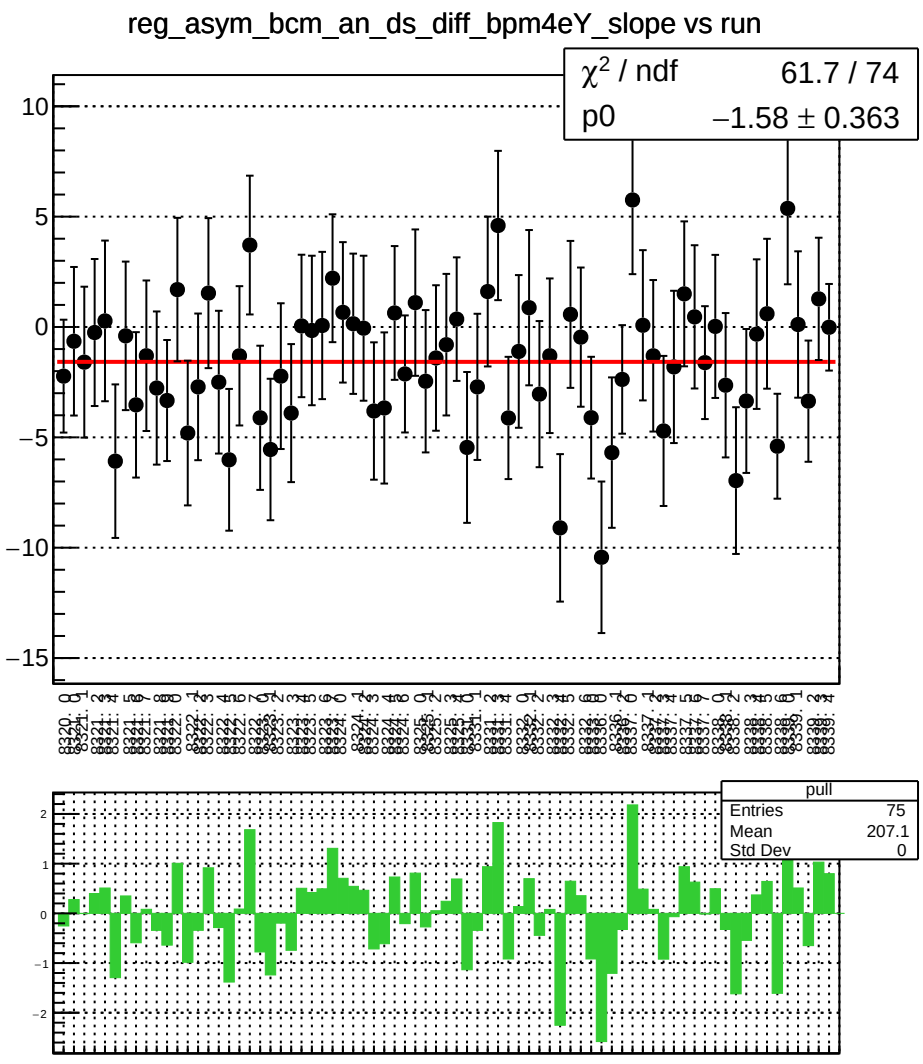

pull1D
Entries 75
Mean 0.03497
Std Dev 1.084

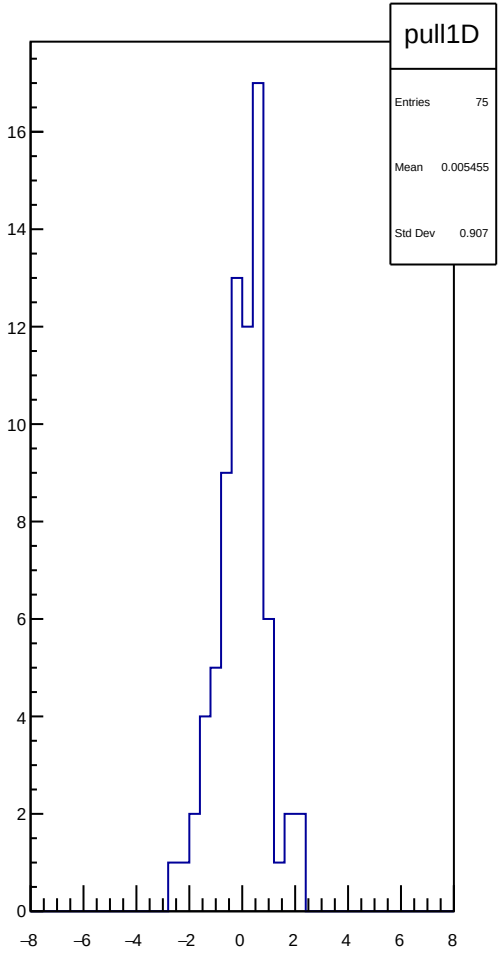

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 62.63 / 74
p0 1.701 ± 0.3491
pull
Entries 75
Mean 24.87
Std Dev 52.55

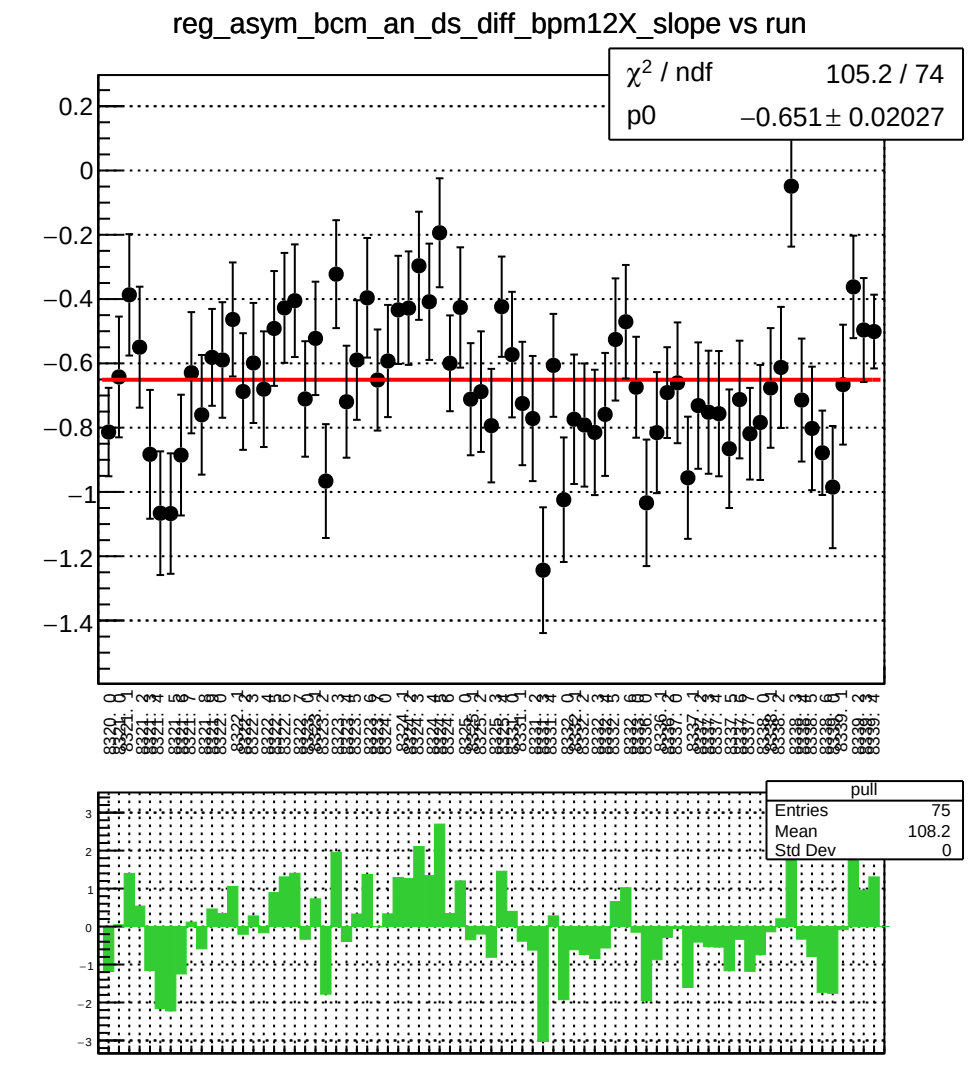

pull1D
Entries 75
Mean −0.005545
Std Dev 0.9138

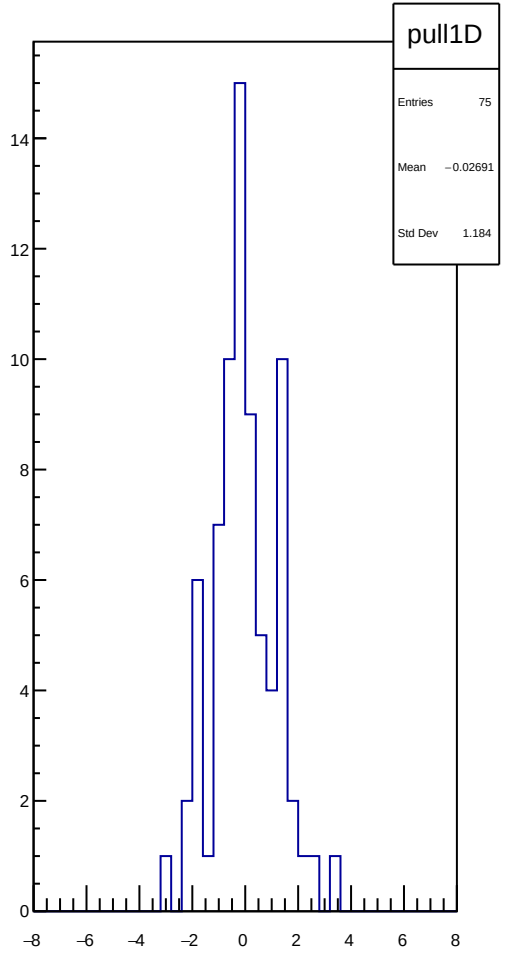

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 92.4 / 74
p0 −6.091 ± 0.2083
pull
Entries 75
Mean −9.634
Std Dev 0

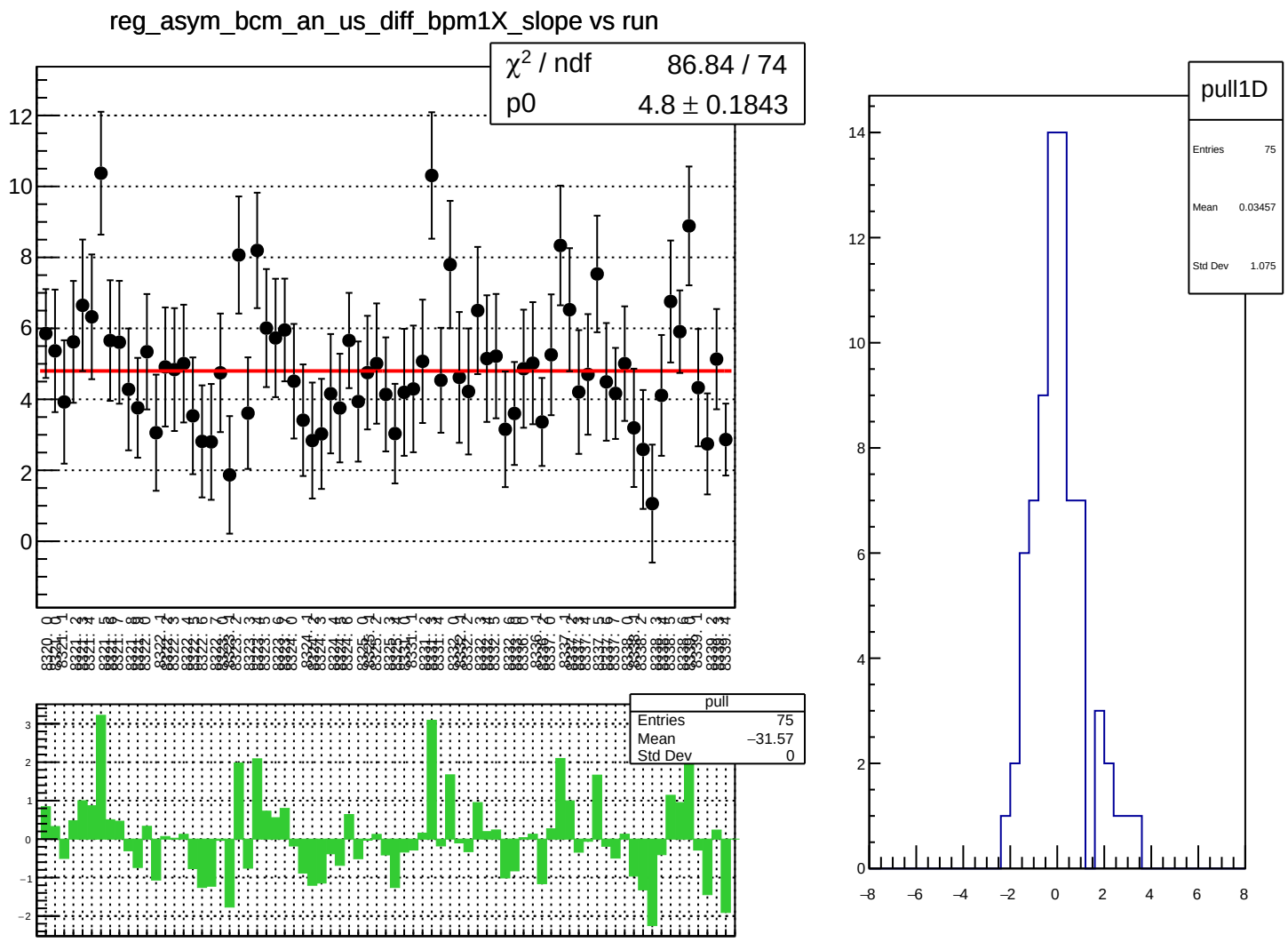

pull1D
Entries 75
Mean −0.0336
Std Dev 1.109

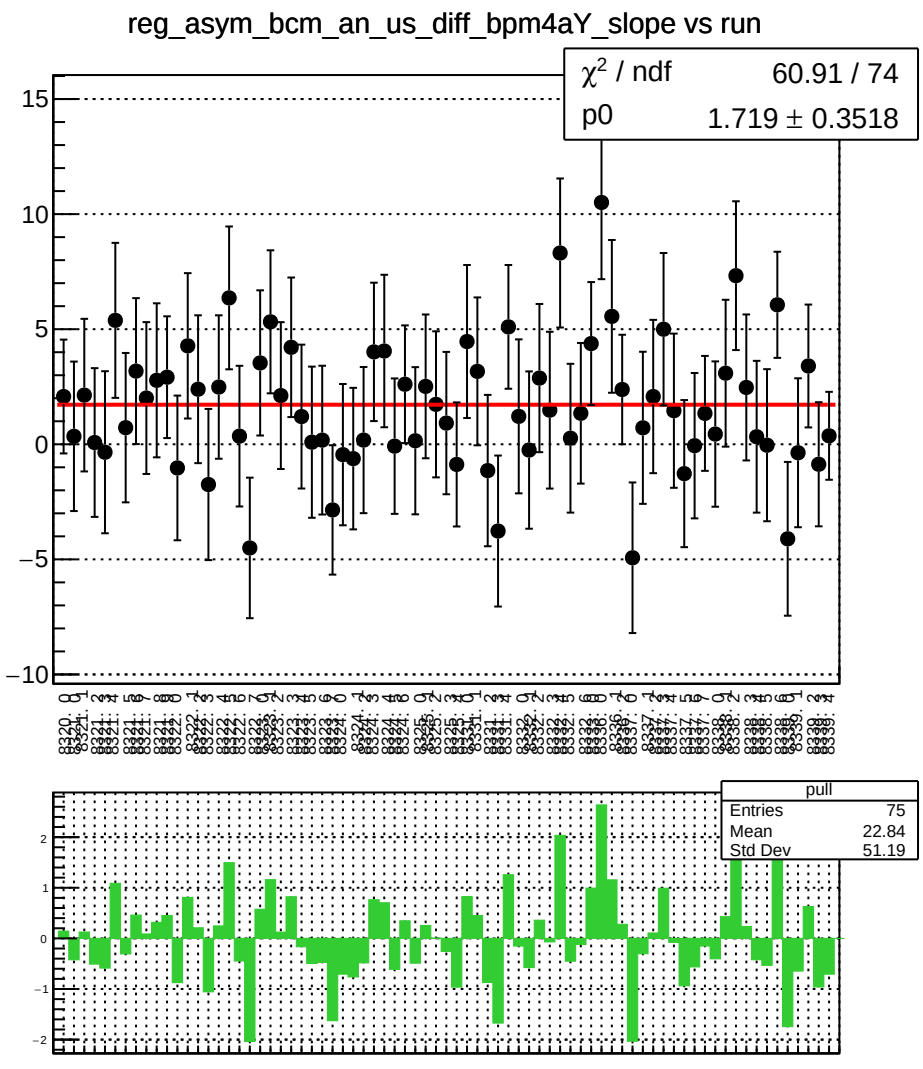

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 61.7 / 74
p0 −1.58 ± 0.363
pull
Entries 75
Mean 207.1
Std Dev 0

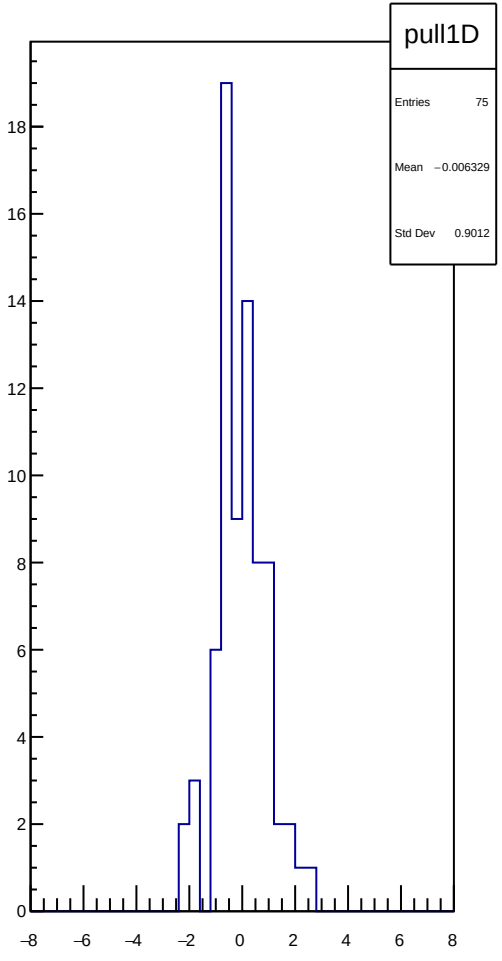

pull1D
Entries 75
Mean 0.005455
Std Dev 0.907

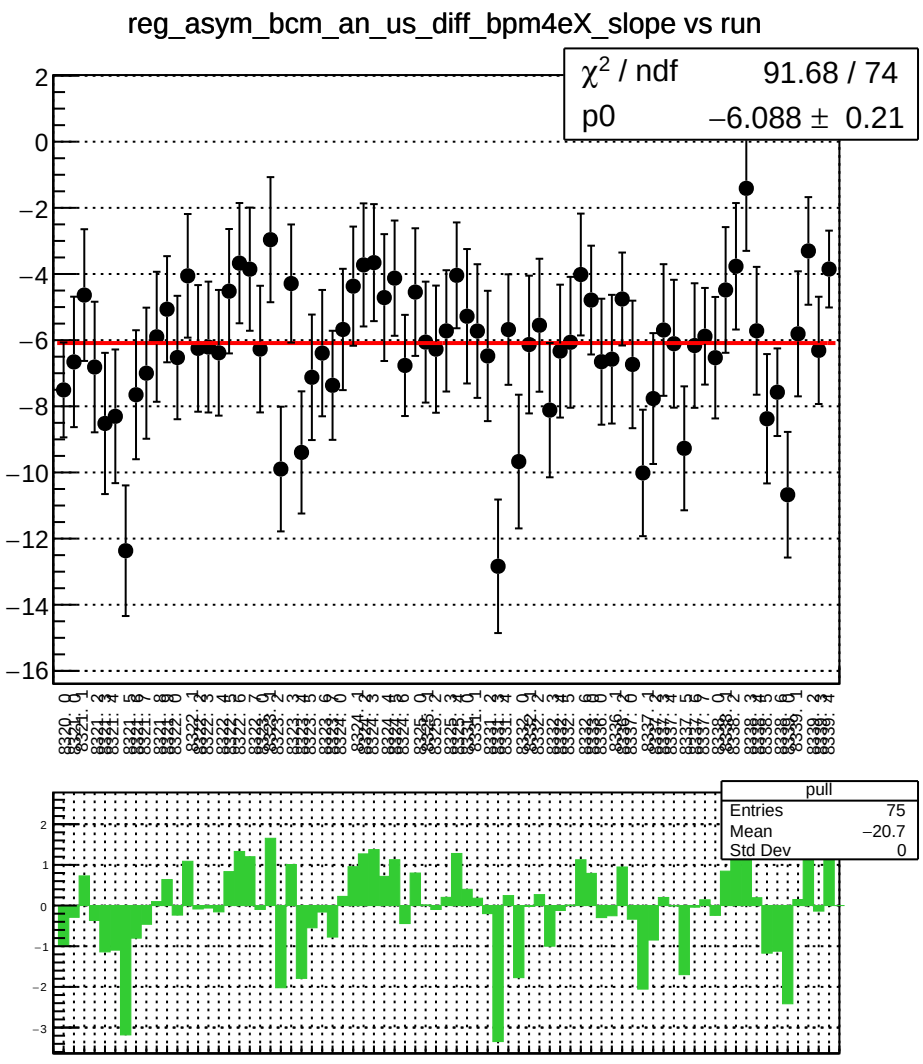

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 74
p0 −0.651 ± 0.02027
pull
Entries 75
Mean 108.2
Std Dev 0

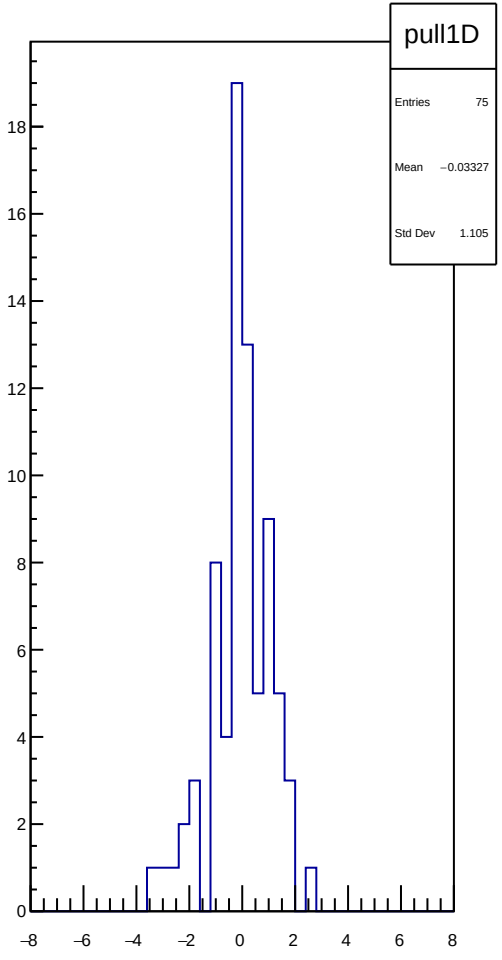

pull1D
Entries 75
Mean −0.02691
Std Dev 1.184

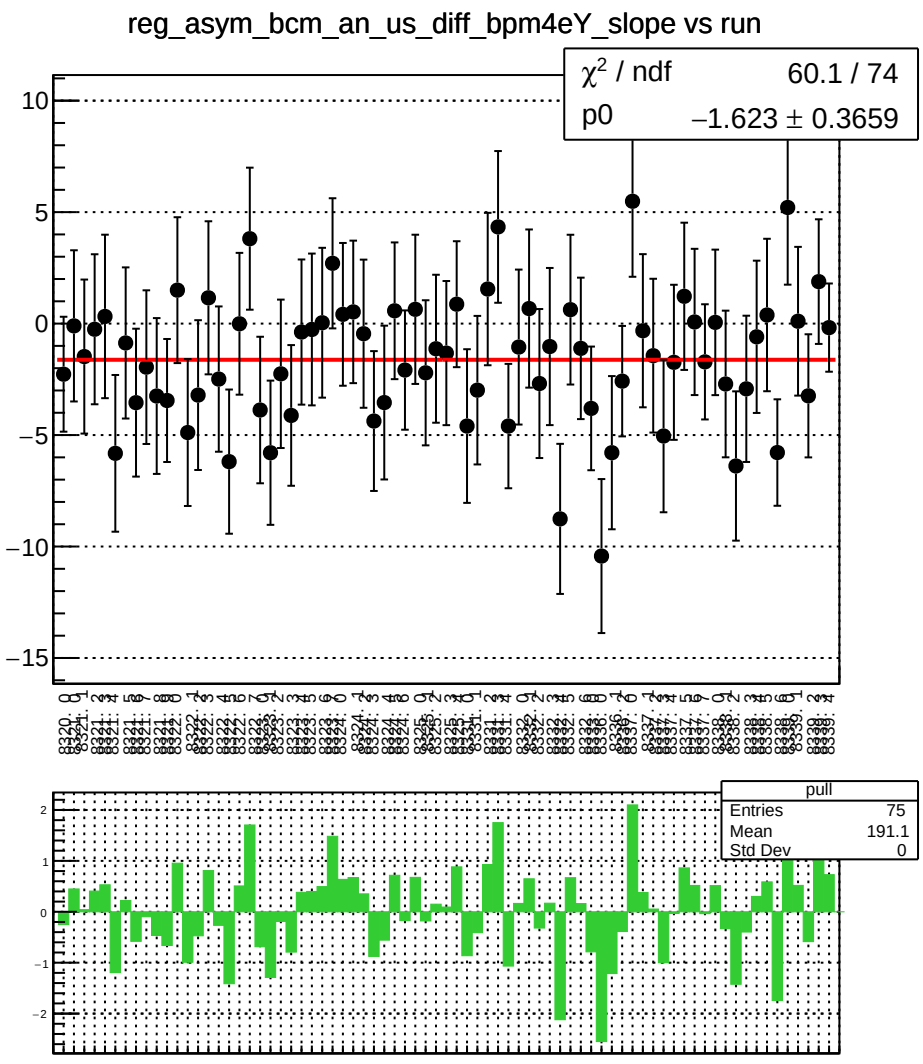

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 86.84 / 74
p0 4.8 ± 0.1843
pull
Entries 75
Mean −31.57
Std Dev 0
pull1D
Entries 75
Mean 0.03457
Std Dev 1.075

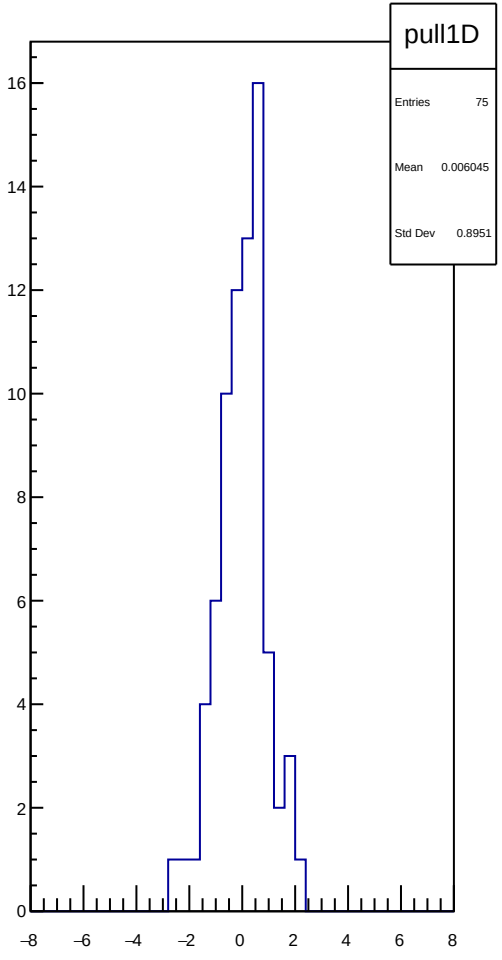

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 60.91 / 74
p0 1.719 ± 0.3518
pull
Entries 75
Mean 22.84
Std Dev 51.19

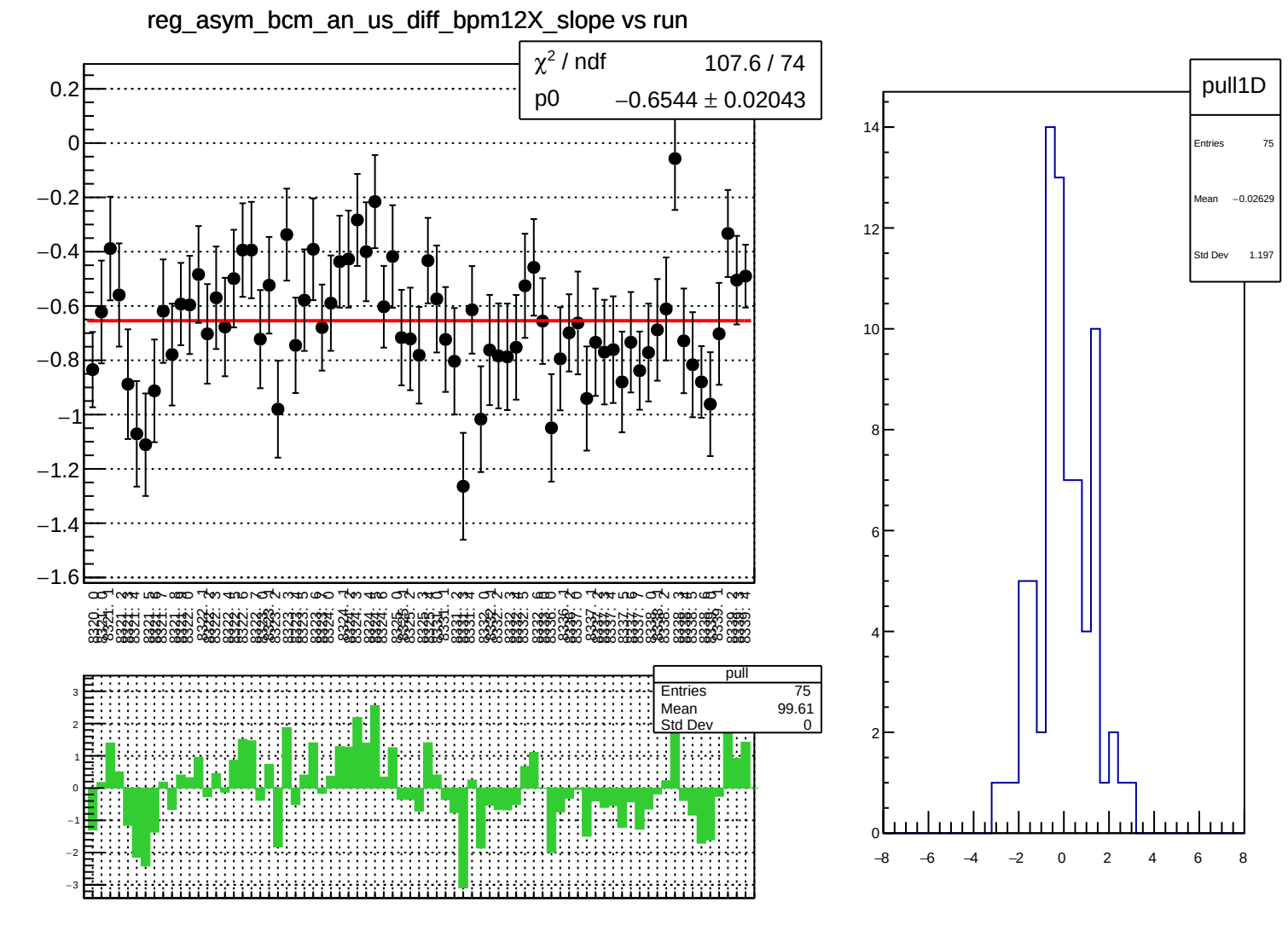

pull1D
Entries 75
Mean −0.006329
Std Dev 0.9012

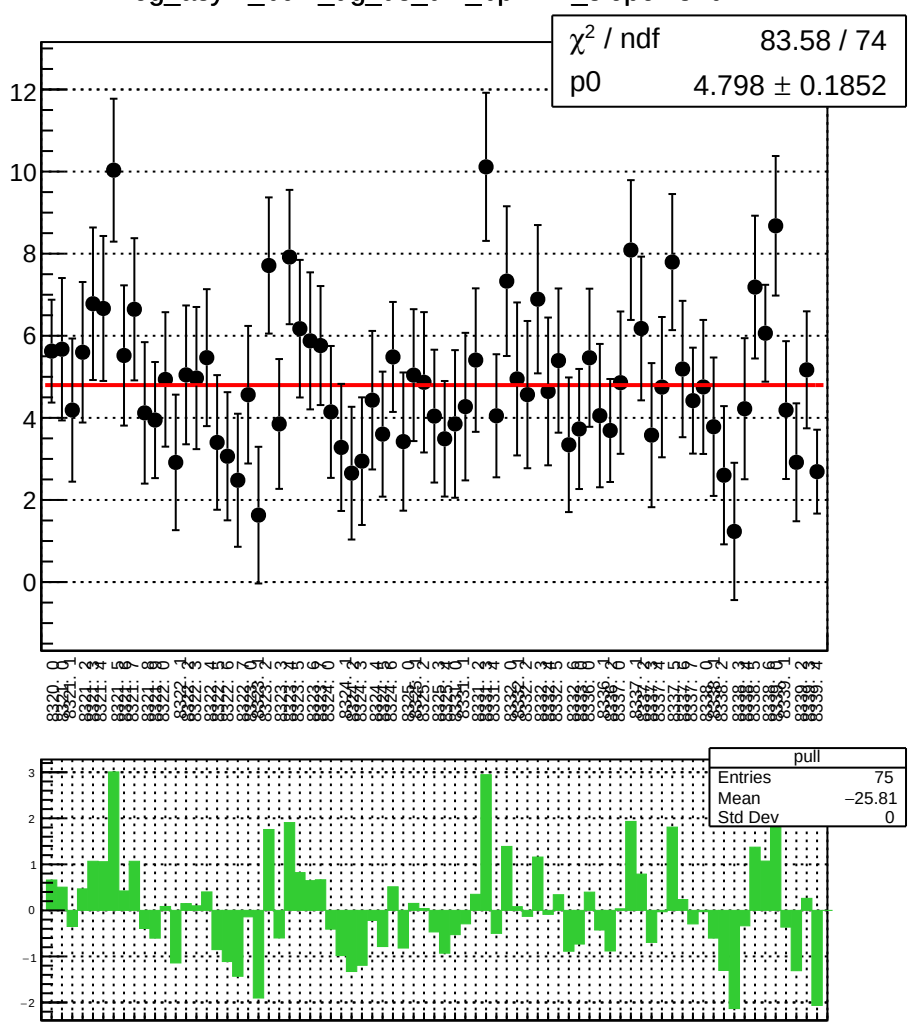

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 91.68 / 74
p0 −6.088 ± 0.21
pull
Entries 75
Mean −20.7
Std Dev 0

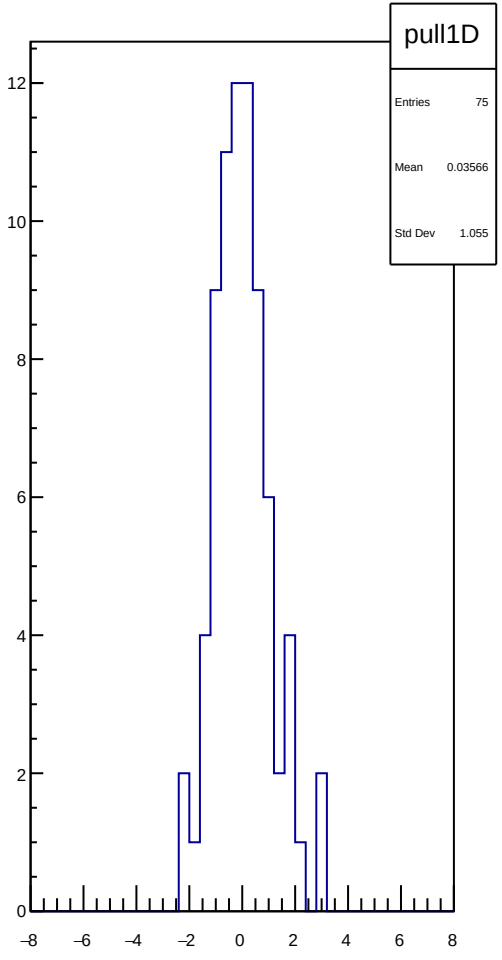

pull1D
Entries 75
Mean −0.03327
Std Dev 1.105

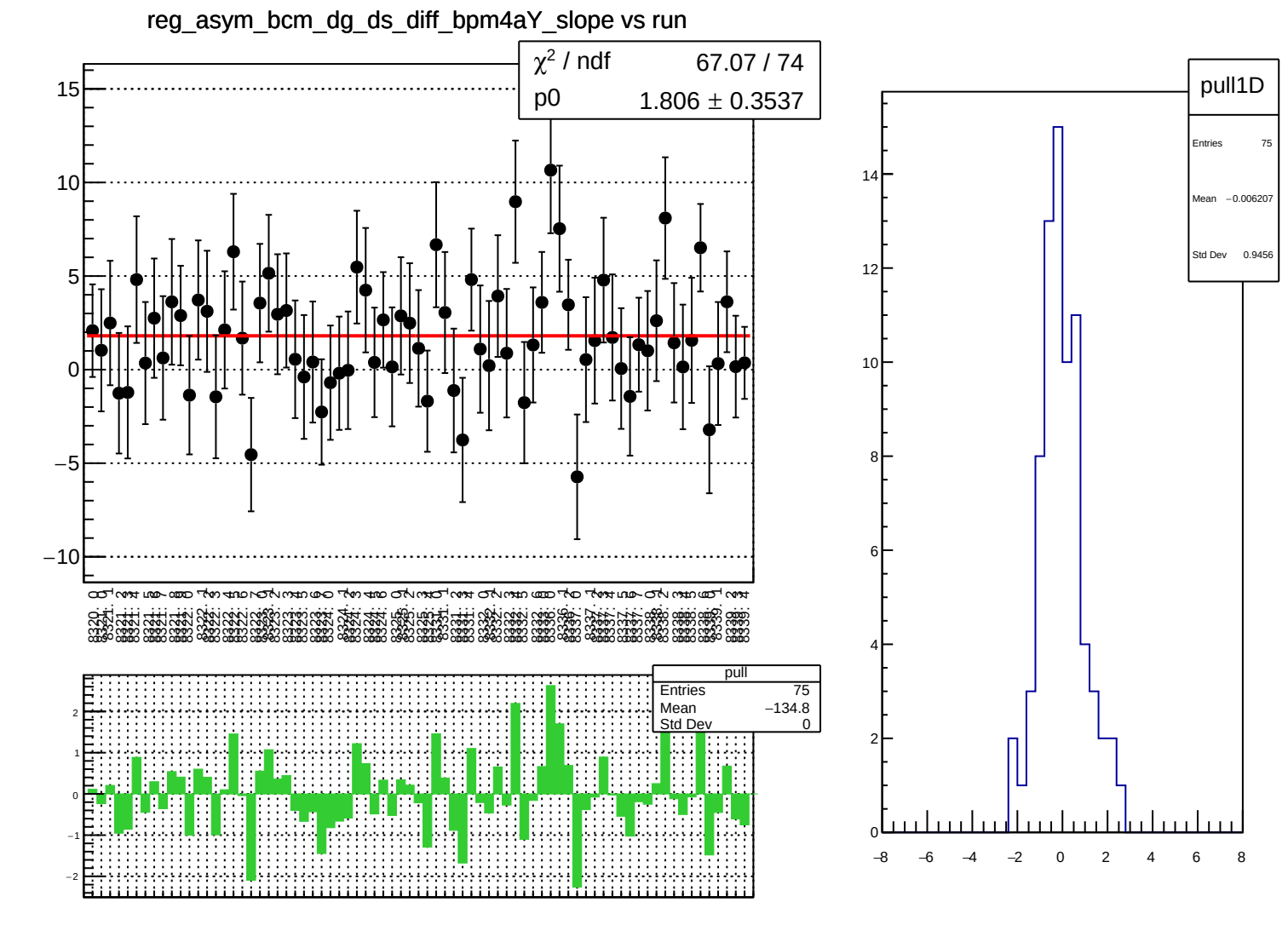

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 60.1 / 74
p0 −1.623 ± 0.3659
pull
Entries 75
Mean 191.1
Std Dev 0

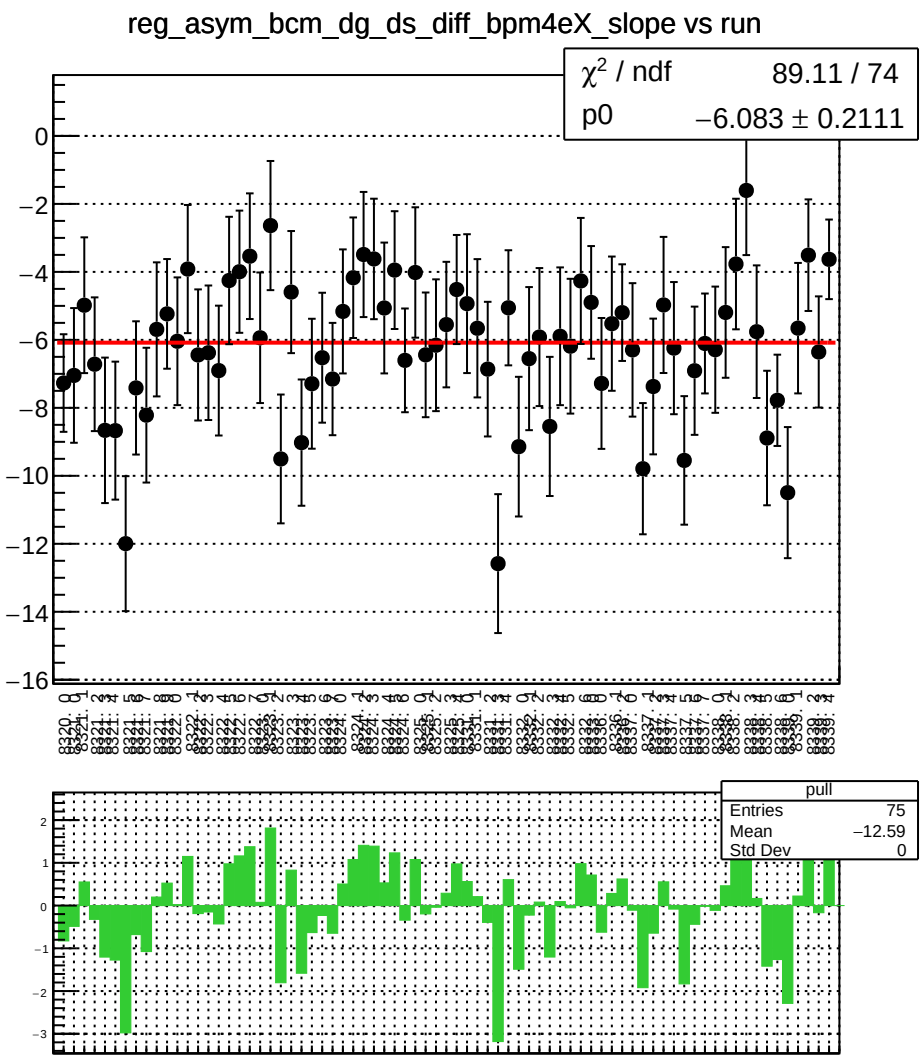

pull1D
Entries 75
Mean 0.006045
Std Dev 0.8951

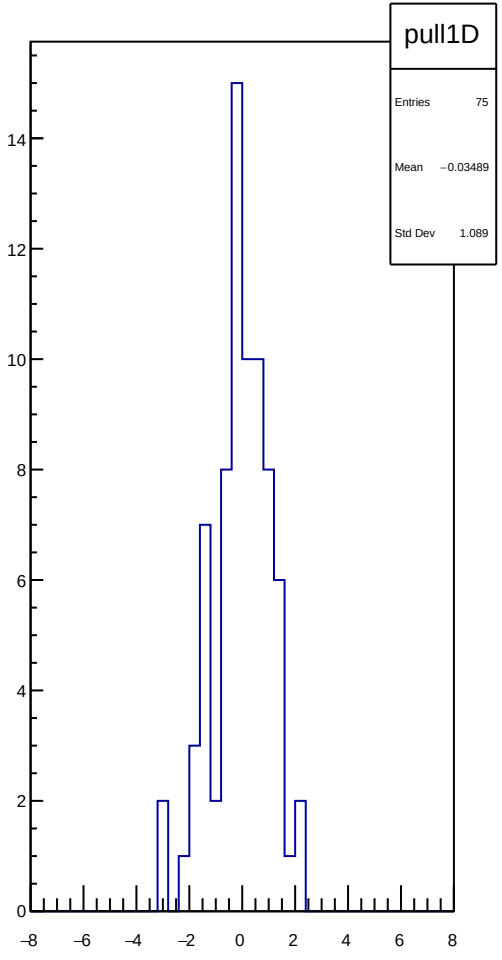

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 107.6 / 74
p0 −0.6544 ± 0.02043
pull
Entries 75
Mean 99.61
Std Dev 0
pull1D
Entries 75
Mean −0.02629
Std Dev 1.197

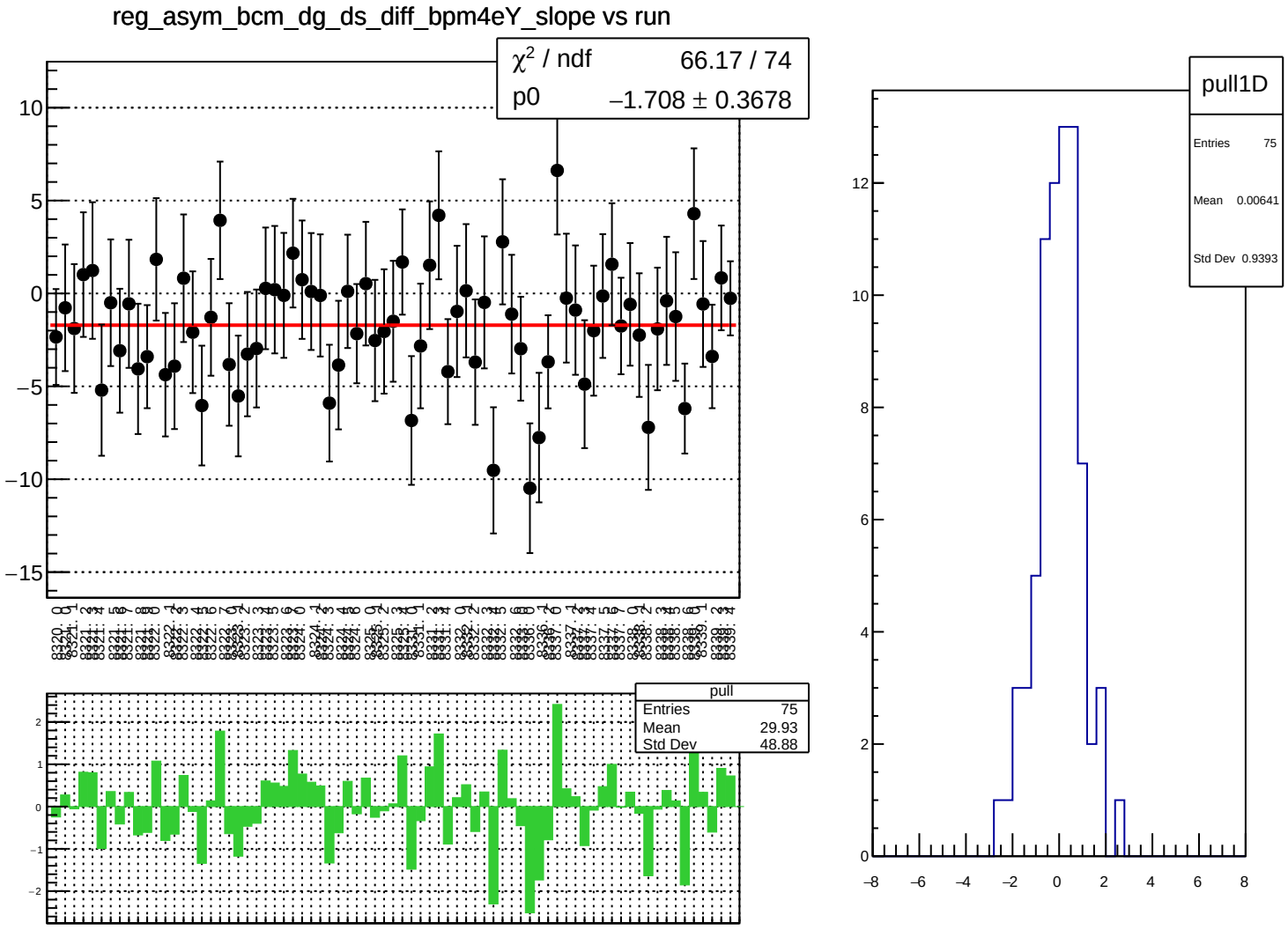

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 83.58 / 74
p0 4.798 ± 0.1852
pull
Entries 75
Mean −25.81
Std Dev 0

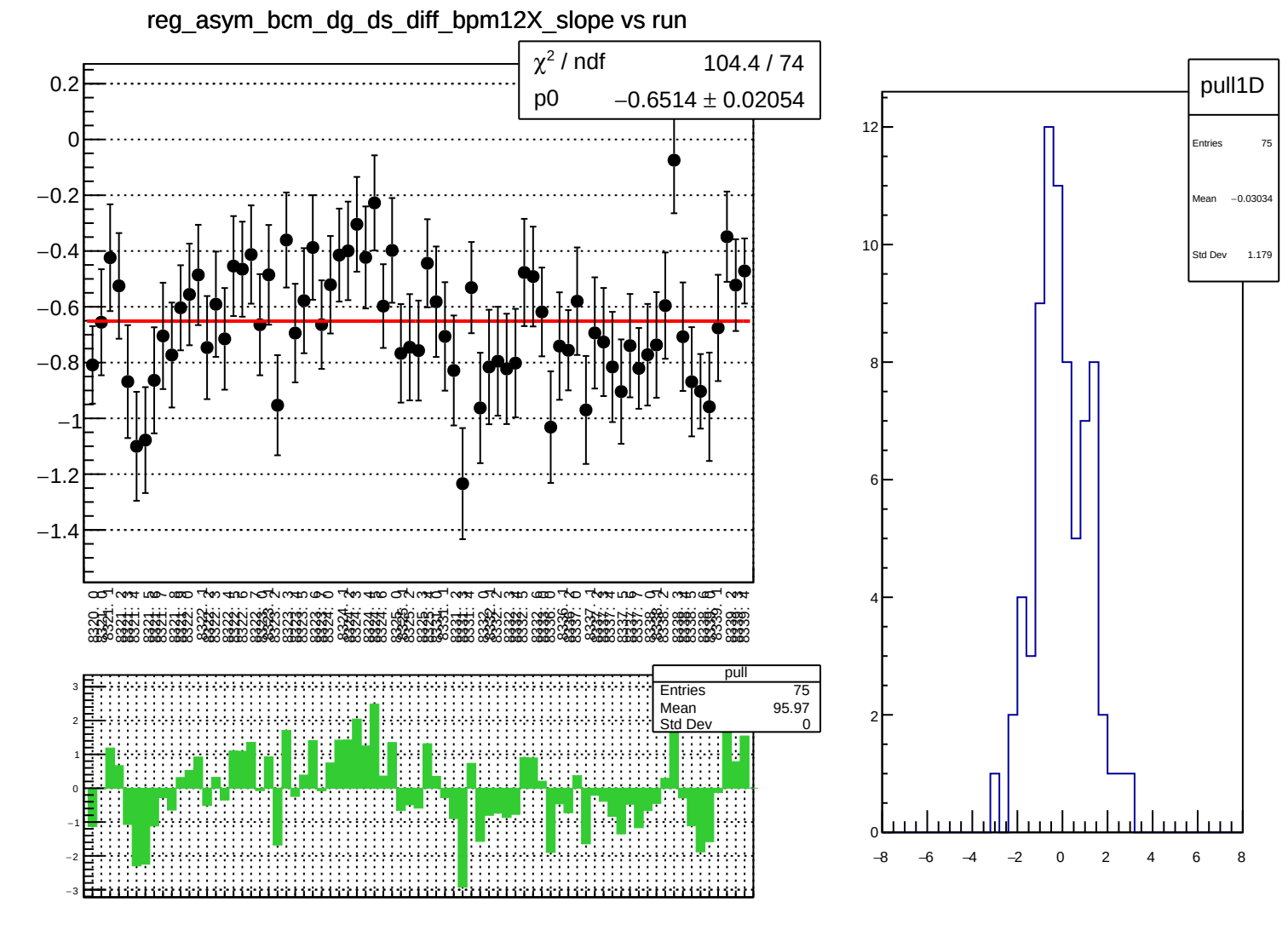

pull1D
Entries 75
Mean 0.03566
Std Dev 1.055

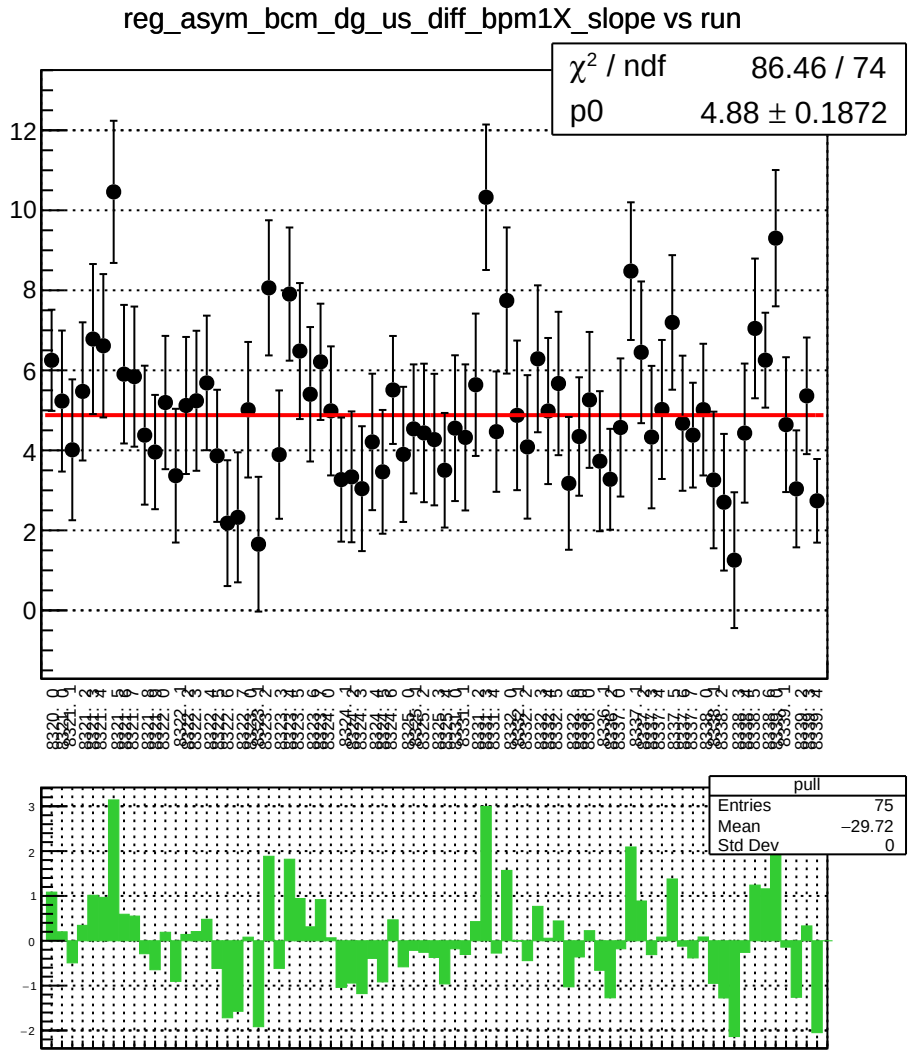

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 67.07 / 74
p0 1.806 ± 0.3537
pull
Entries 75
Mean −134.8
Std Dev 0
pull1D
Entries 75
Mean −0.006207
Std Dev 0.9456

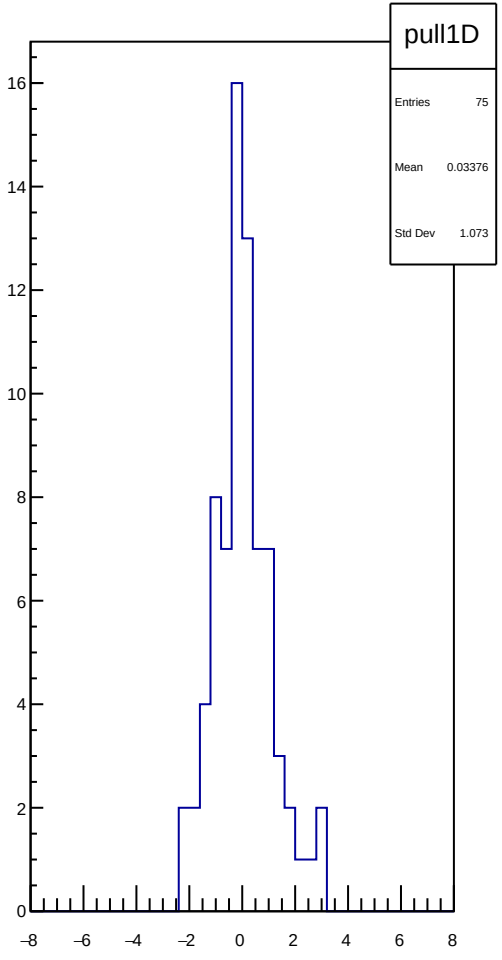

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 89.11 / 74
p0 −6.083 ± 0.2111
pull
Entries 75
Mean −12.59
Std Dev 0

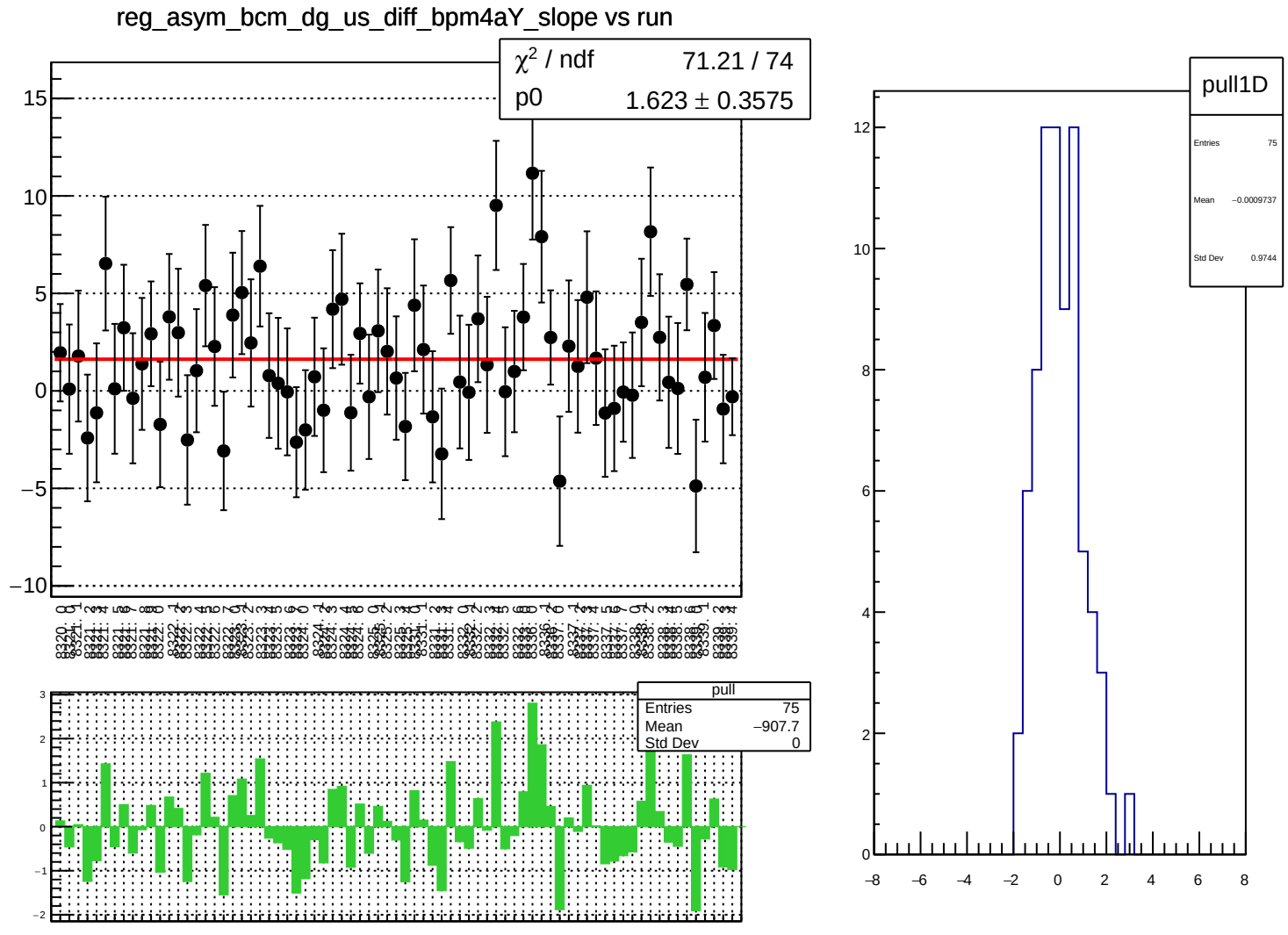

pull1D
Entries 75
Mean −0.03489
Std Dev 1.089

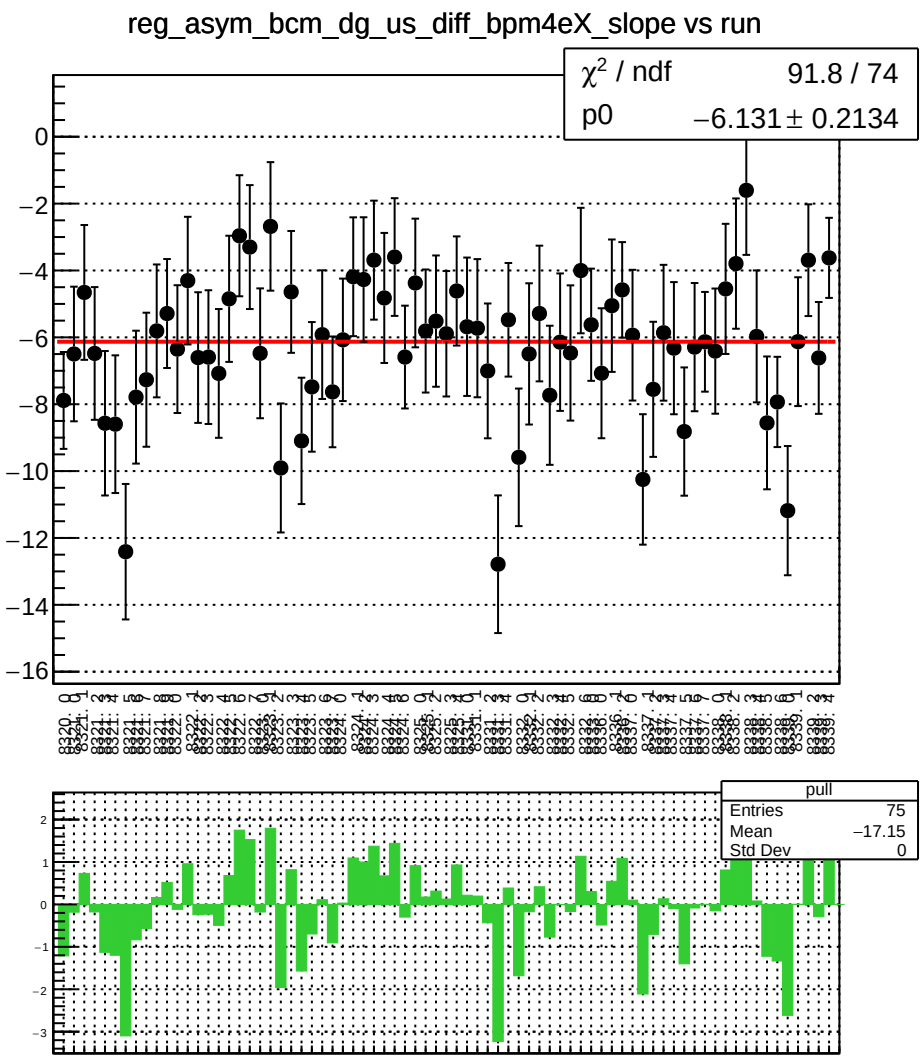

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 66.17 / 74
p0 −1.708 ± 0.3678
pull
Entries 75
Mean 29.93
Std Dev 48.88
pull1D
Entries 75
Mean 0.00641
Std Dev 0.9393

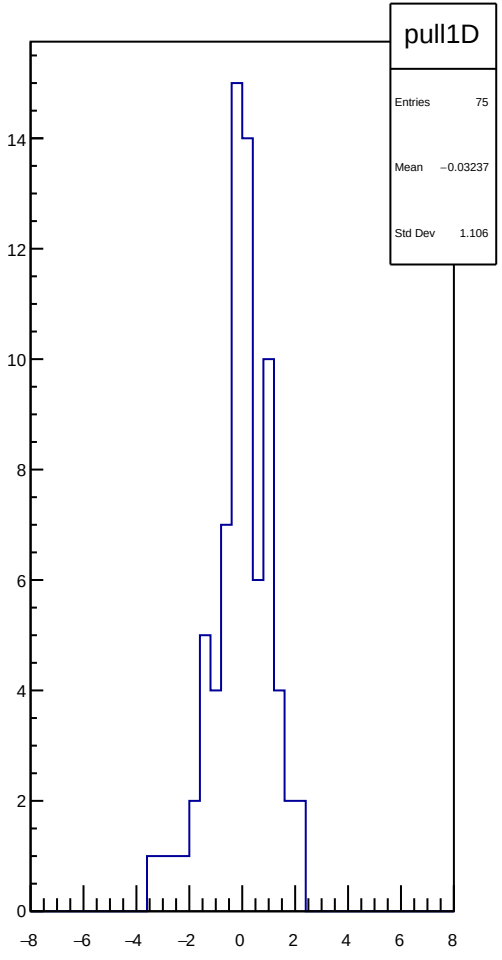

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 104.4 / 74
p0 −0.6514 ± 0.02054
pull
Entries 75
Mean 95.97
Std Dev 0
pull1D
Entries 75
Mean −0.03034
Std Dev 1.179

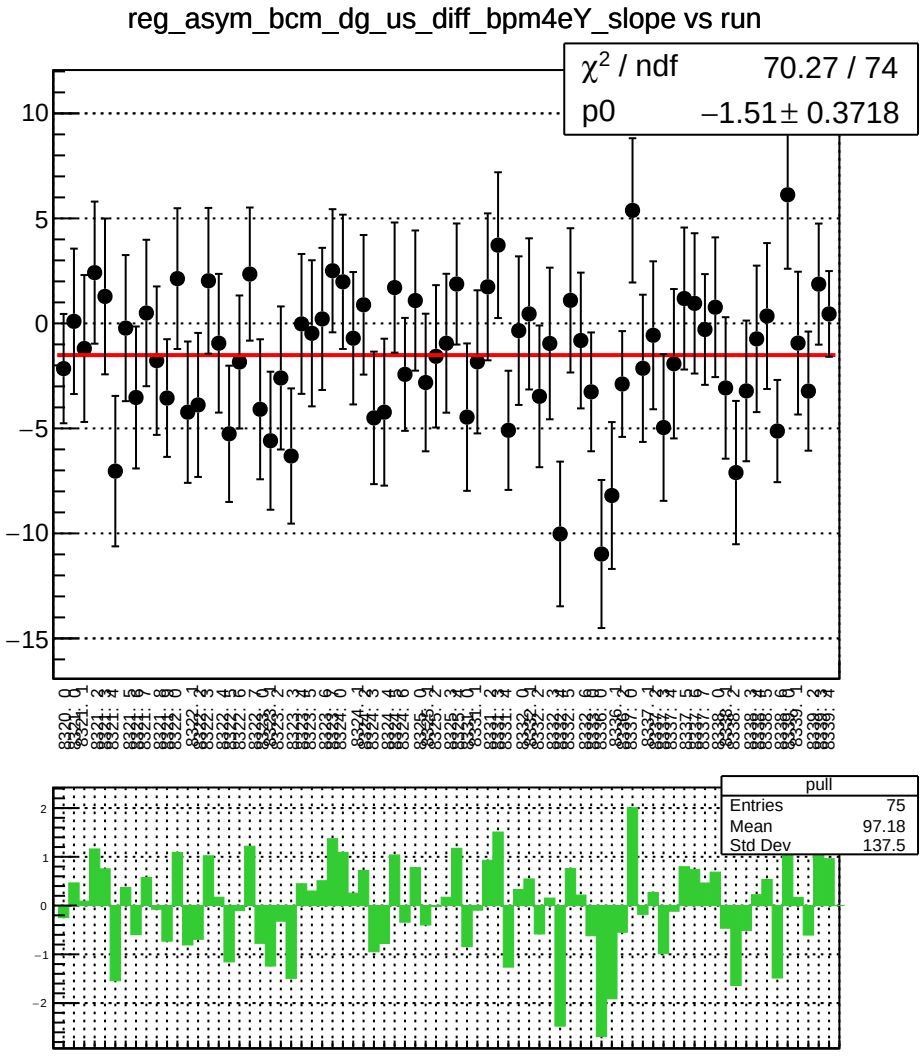

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 86.46 / 74
p0 4.88 ± 0.1872
pull
Entries 75
Mean −29.72
Std Dev 0

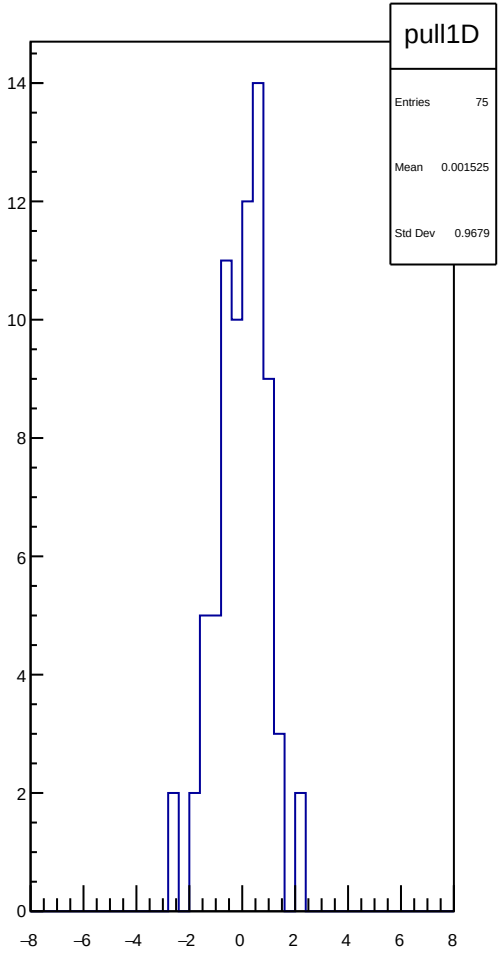

pull1D
Entries 75
Mean 0.03376
Std Dev 1.073

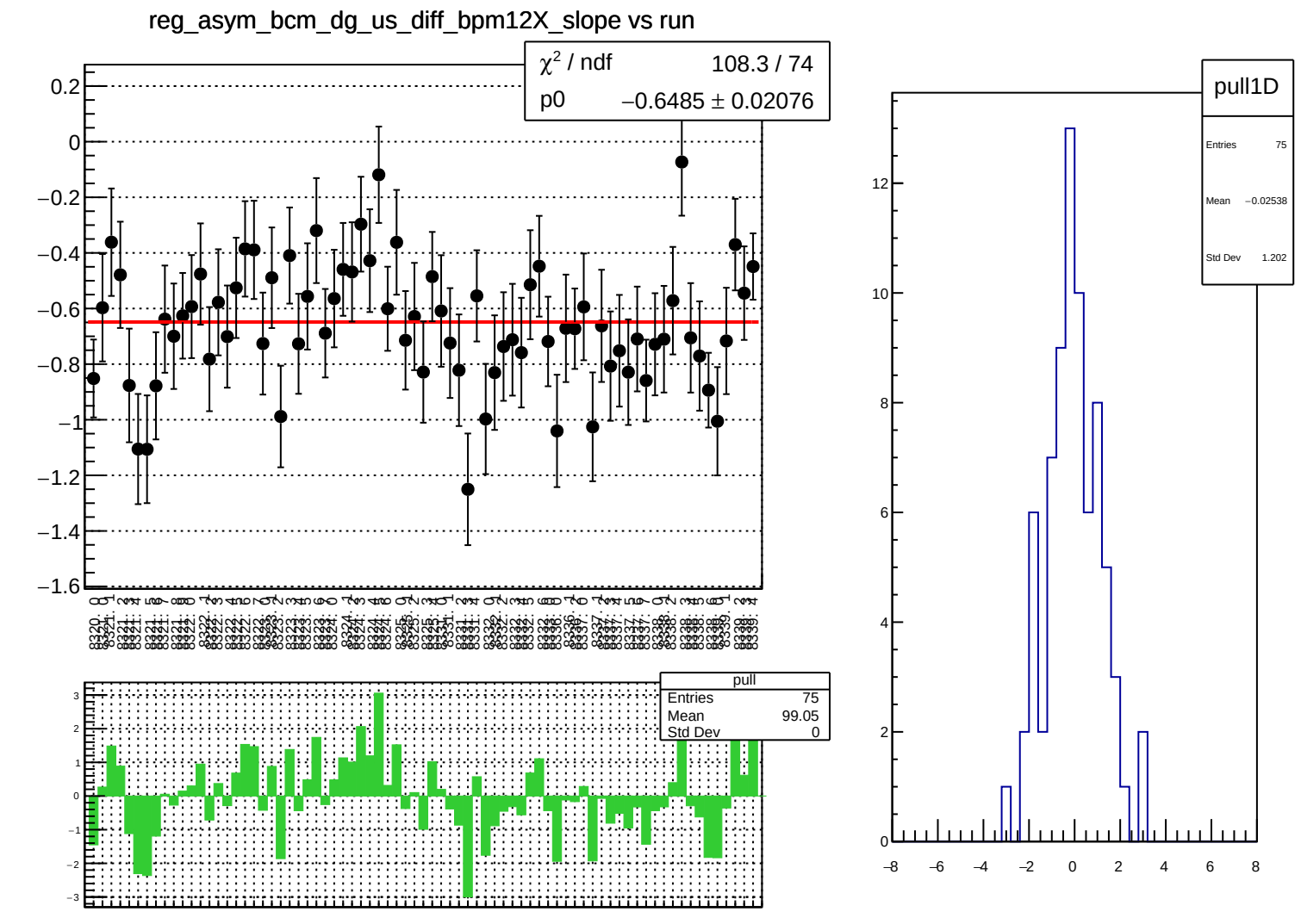

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 71.21 / 74
p0 1.623 ± 0.3575
pull
Entries 75
Mean −907.7
Std Dev 0
pull1D
Entries 75
Mean −0.0009737
Std Dev 0.9744

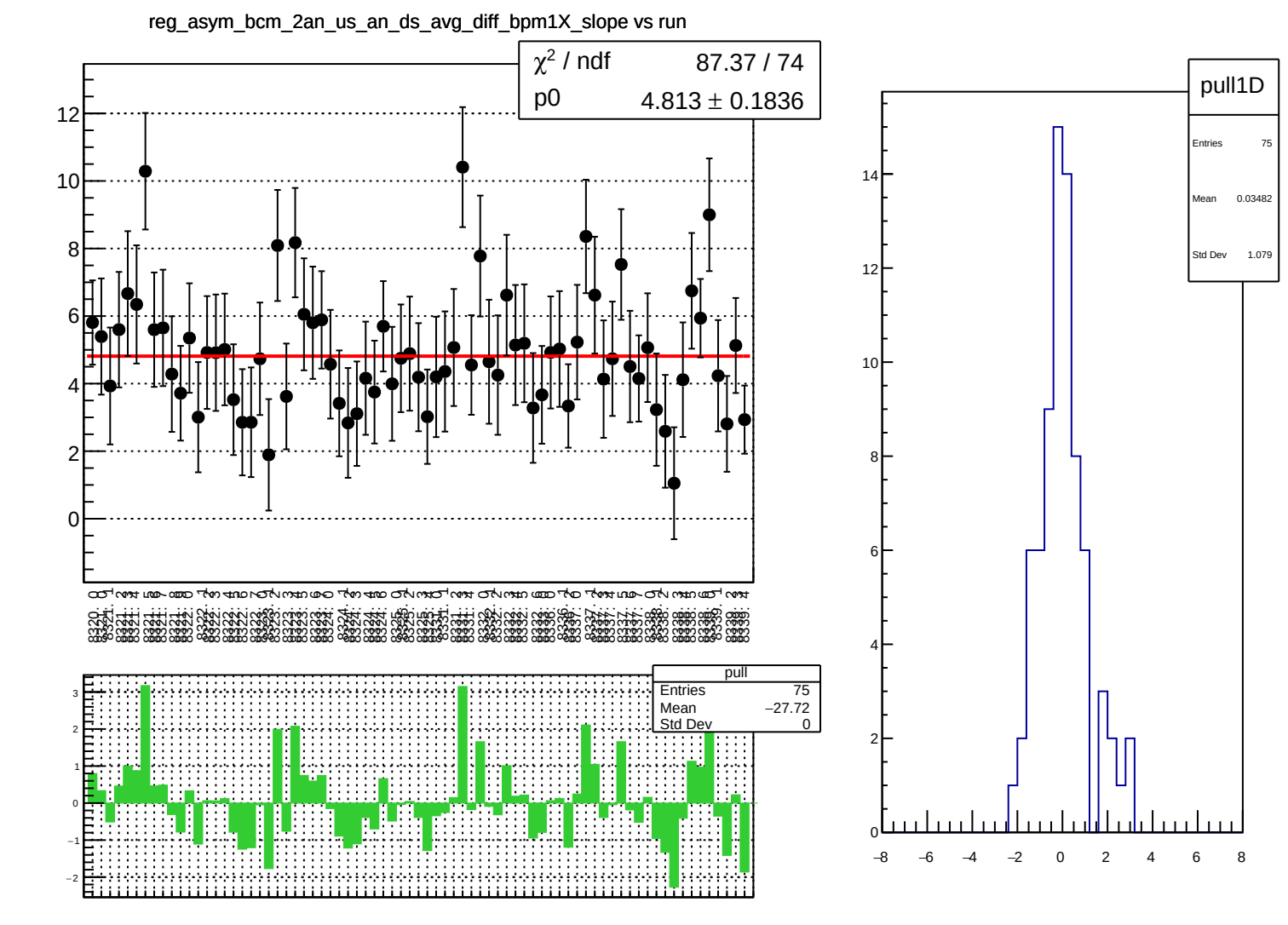

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 91.8 / 74
p0 −6.131 ± 0.2134
pull
Entries 75
Mean −17.15
Std Dev 0

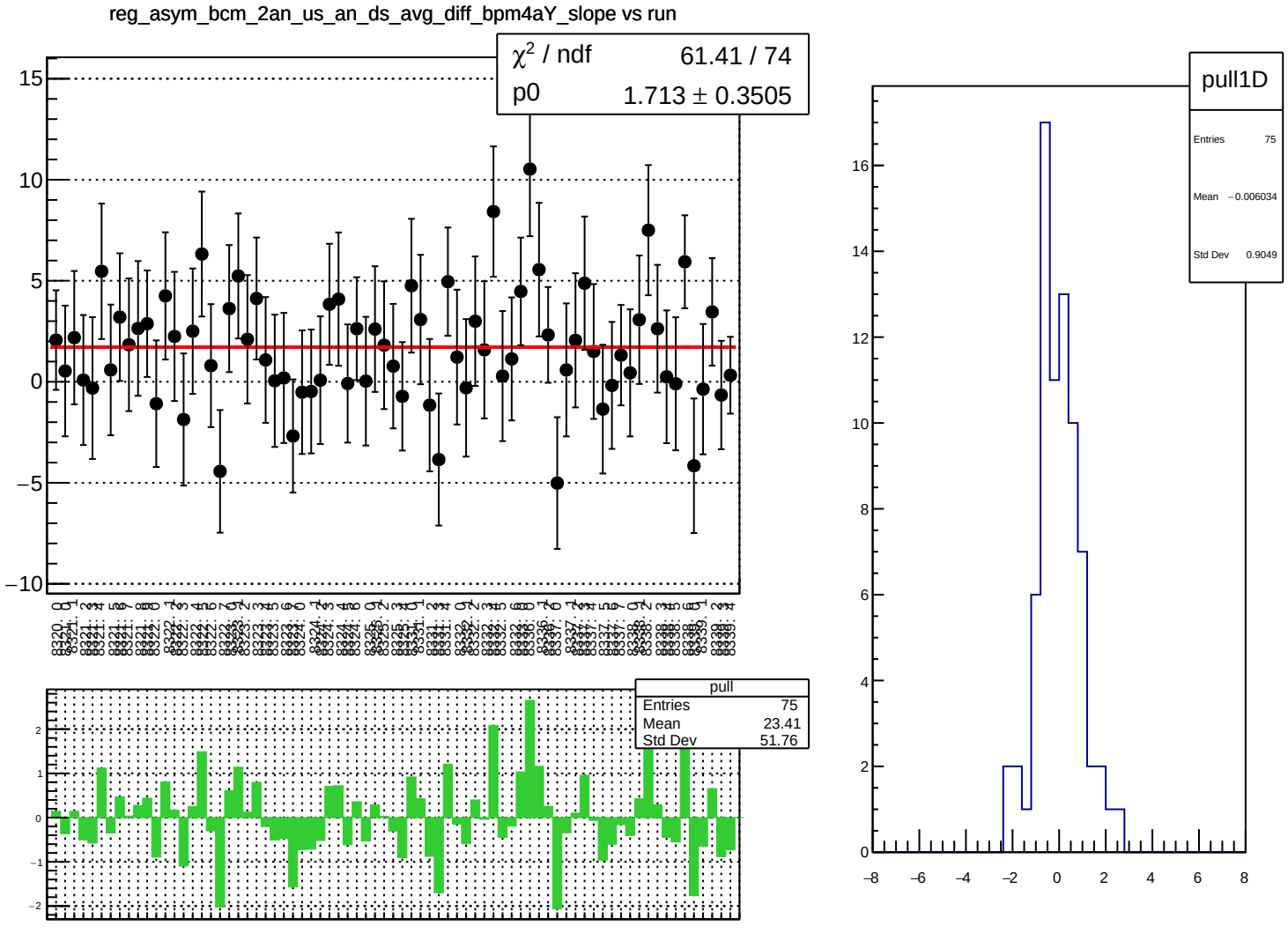

pull1D
Entries 75
Mean −0.03237
Std Dev 1.106

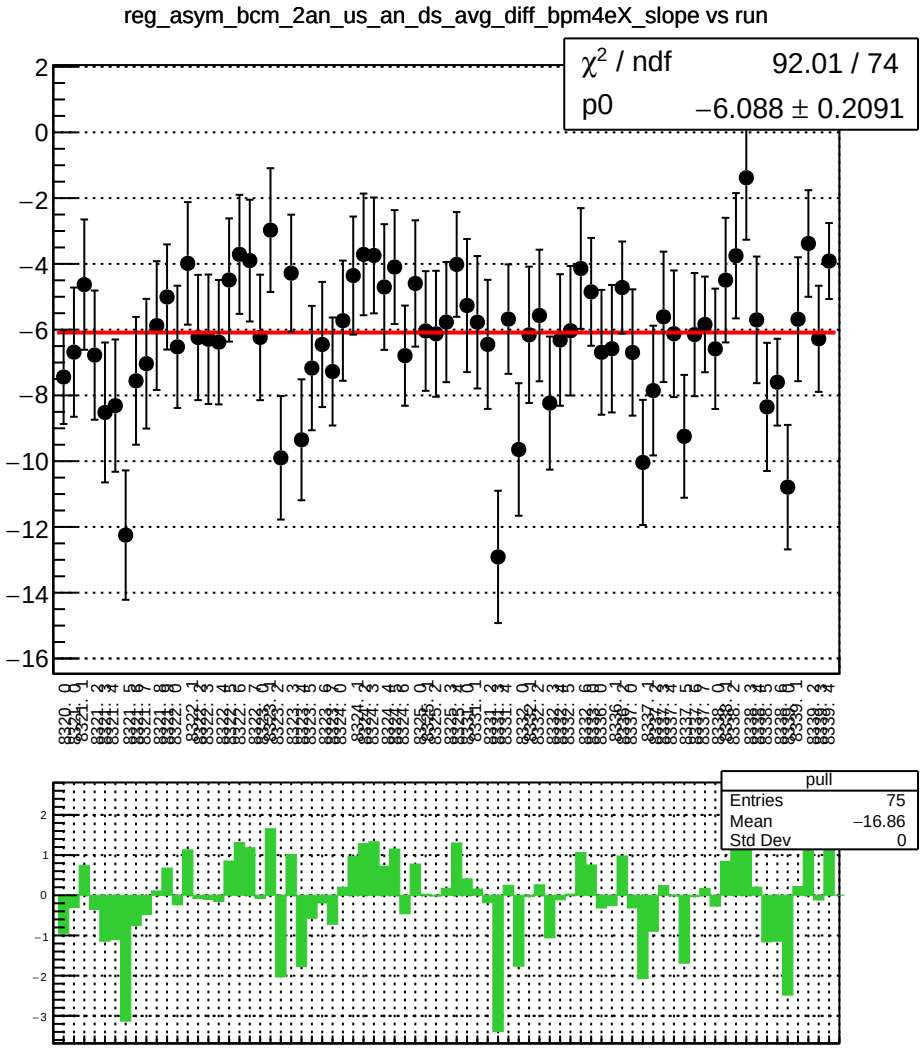

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 70.27 / 74
p0 −1.51 ± 0.3718
pull
Entries 75
Mean 97.18
Std Dev 137.5

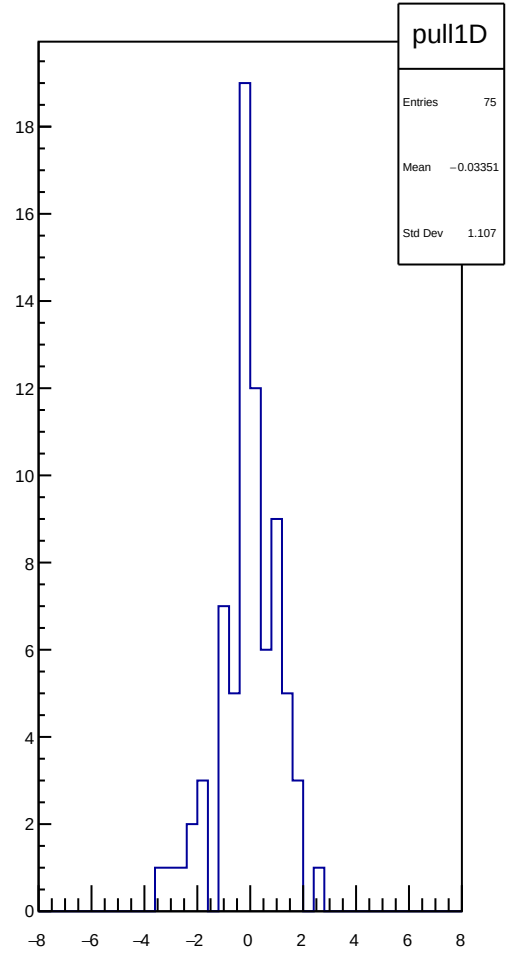

pull1D
Entries 75
Mean 0.001525
Std Dev 0.9679

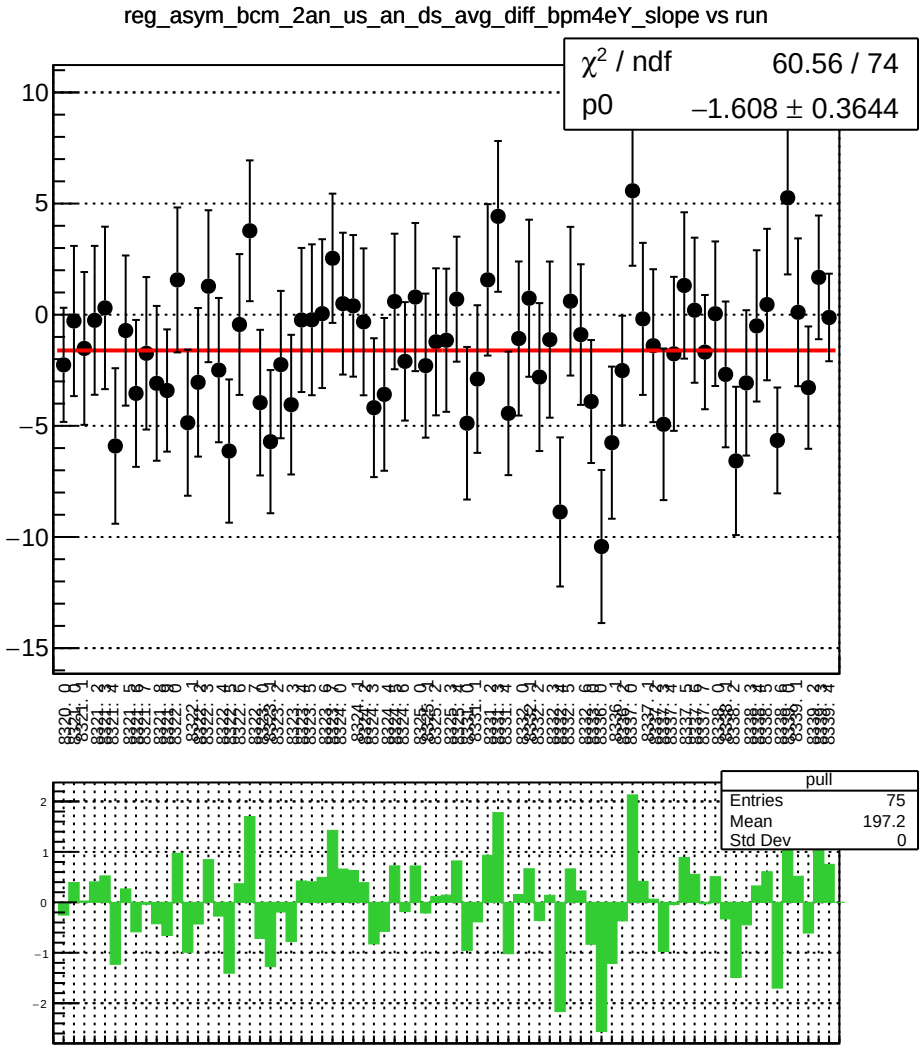

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 108.3 / 74
p0 −0.6485 ± 0.02076
pull
Entries 75
Mean 99.05
Std Dev 0
pull1D
Entries 75
Mean −0.02538
Std Dev 1.202

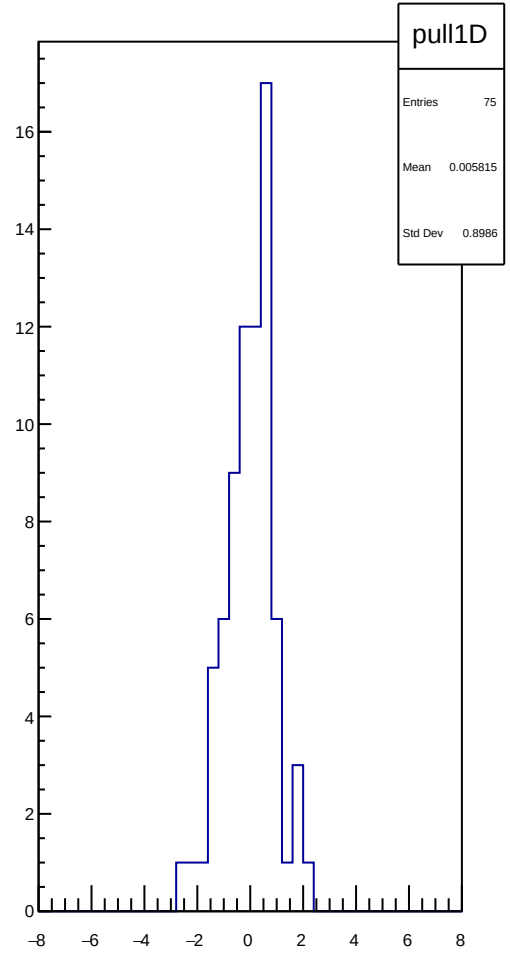

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 87.37 / 74
p0 4.813 ± 0.1836
pull
Entries 75
Mean −27.72
Std Dev 0
pull1D
Entries 75
Mean 0.03482
Std Dev 1.079

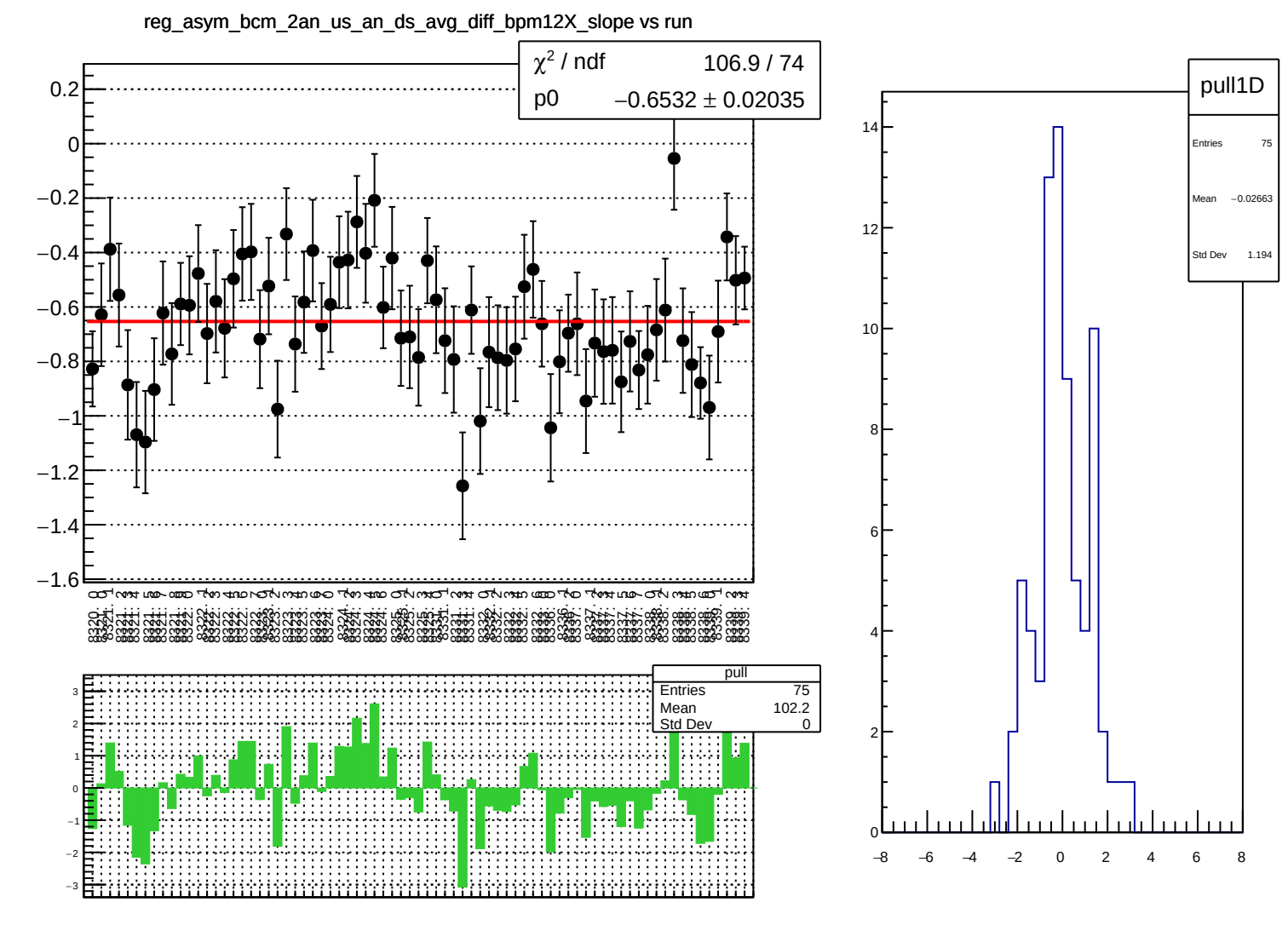

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 61.41 / 74
p0 1.713 ± 0.3505
pull
Entries 75
Mean 23.41
Std Dev 51.76
pull1D
Entries 75
Mean −0.006034
Std Dev 0.9049

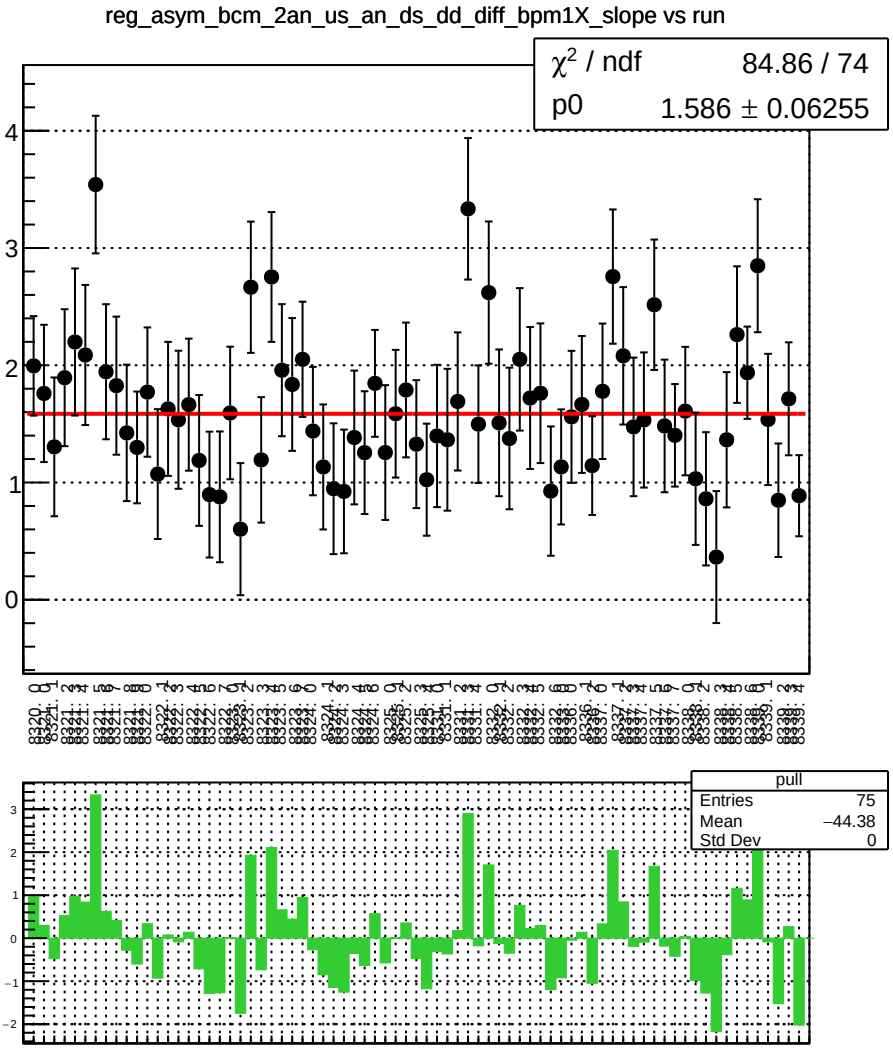

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.01 / 74
p0 −6.088 ± 0.2091
pull
Entries 75
Mean −16.86
Std Dev 0

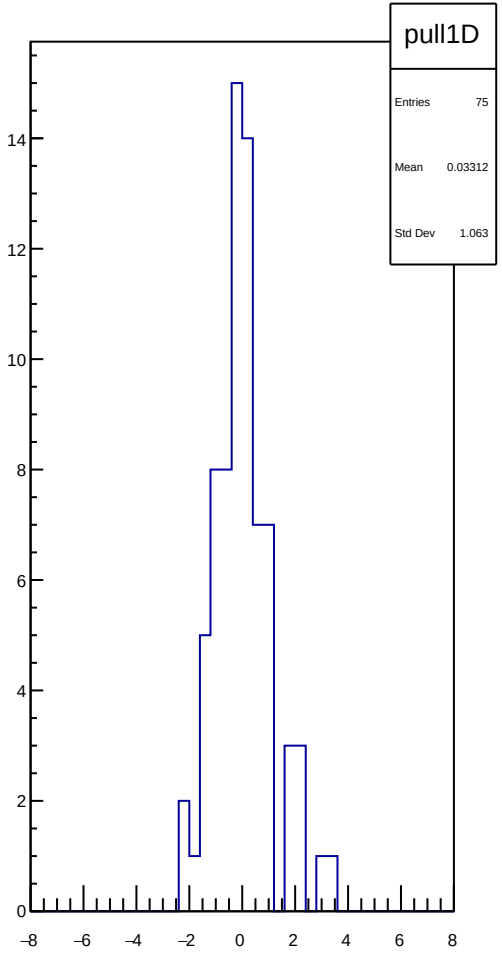

pull1D
Entries 75
Mean −0.03351
Std Dev 1.107

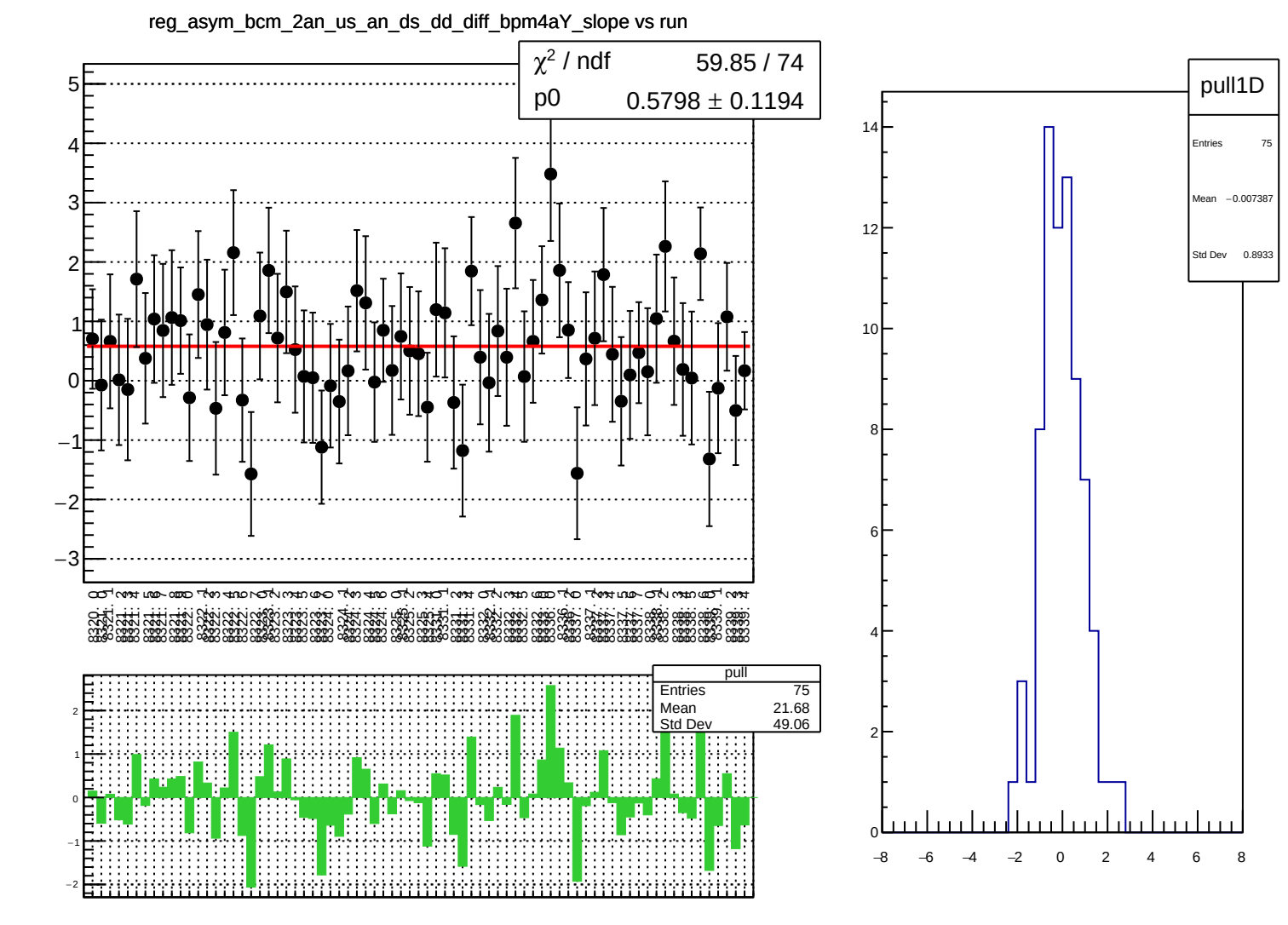

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.56 / 74
p0 −1.608 ± 0.3644
pull
Entries 75
Mean 197.2
Std Dev 0

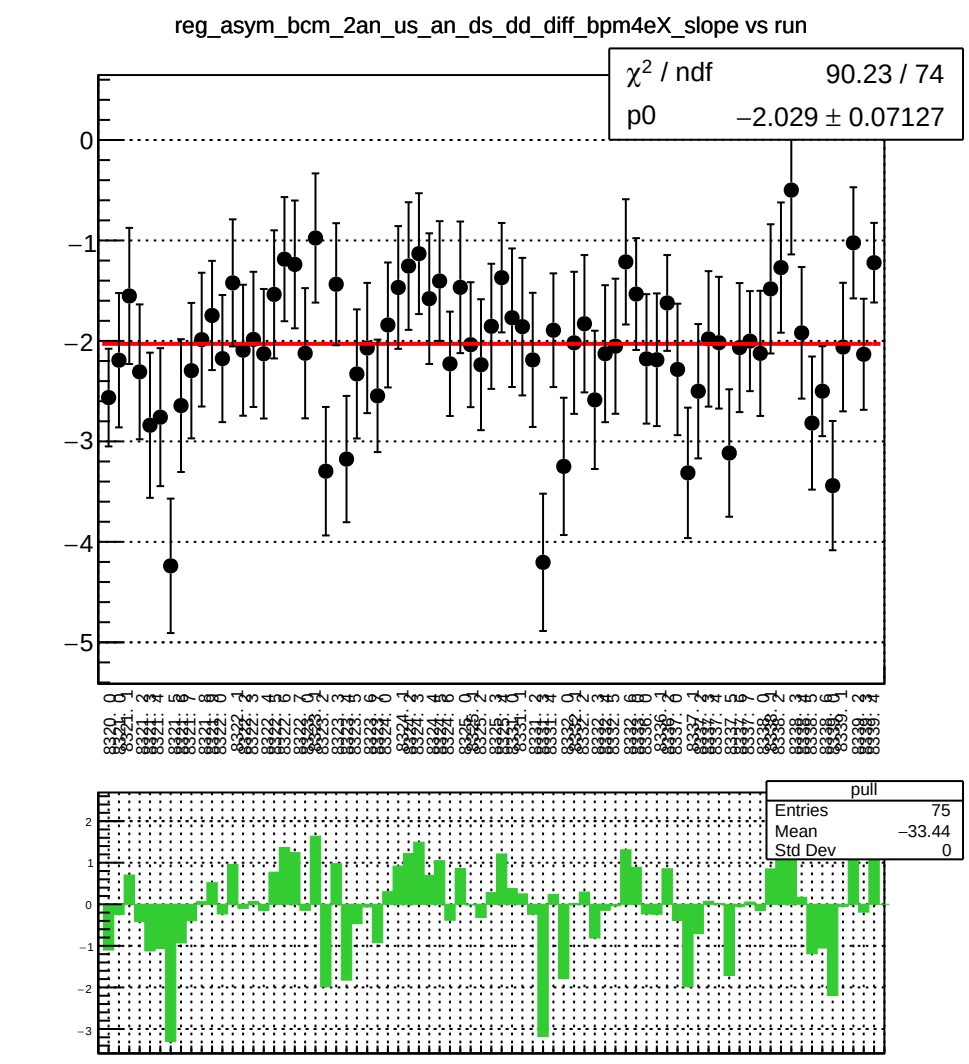

pull1D
Entries 75
Mean 0.005815
Std Dev 0.8986

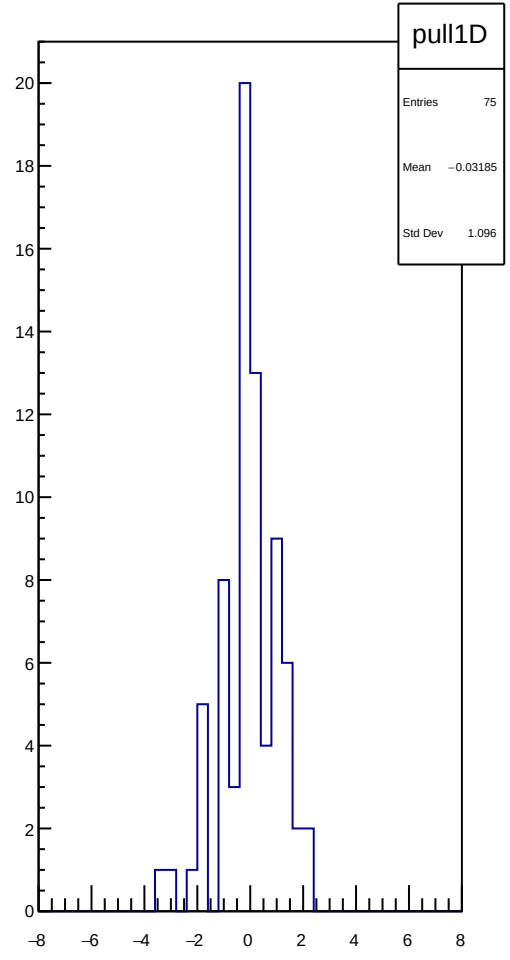

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 106.9 / 74
p0 −0.6532 ± 0.02035
pull
Entries 75
Mean 102.2
Std Dev 0
pull1D
Entries 75
Mean −0.02663
Std Dev 1.194

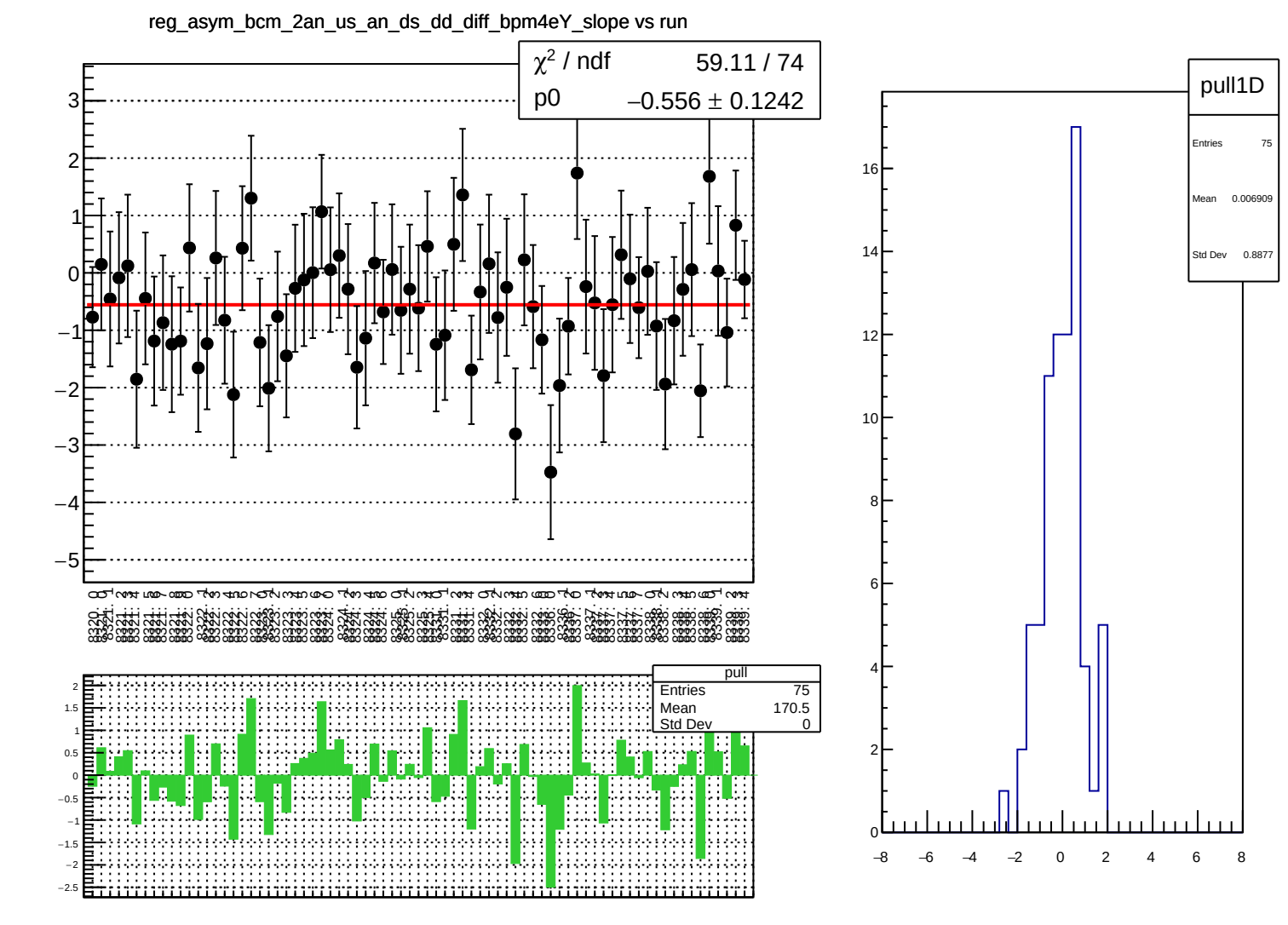

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 84.86 / 74
p0 1.586 ± 0.06255
pull
Entries 75
Mean −44.38
Std Dev 0

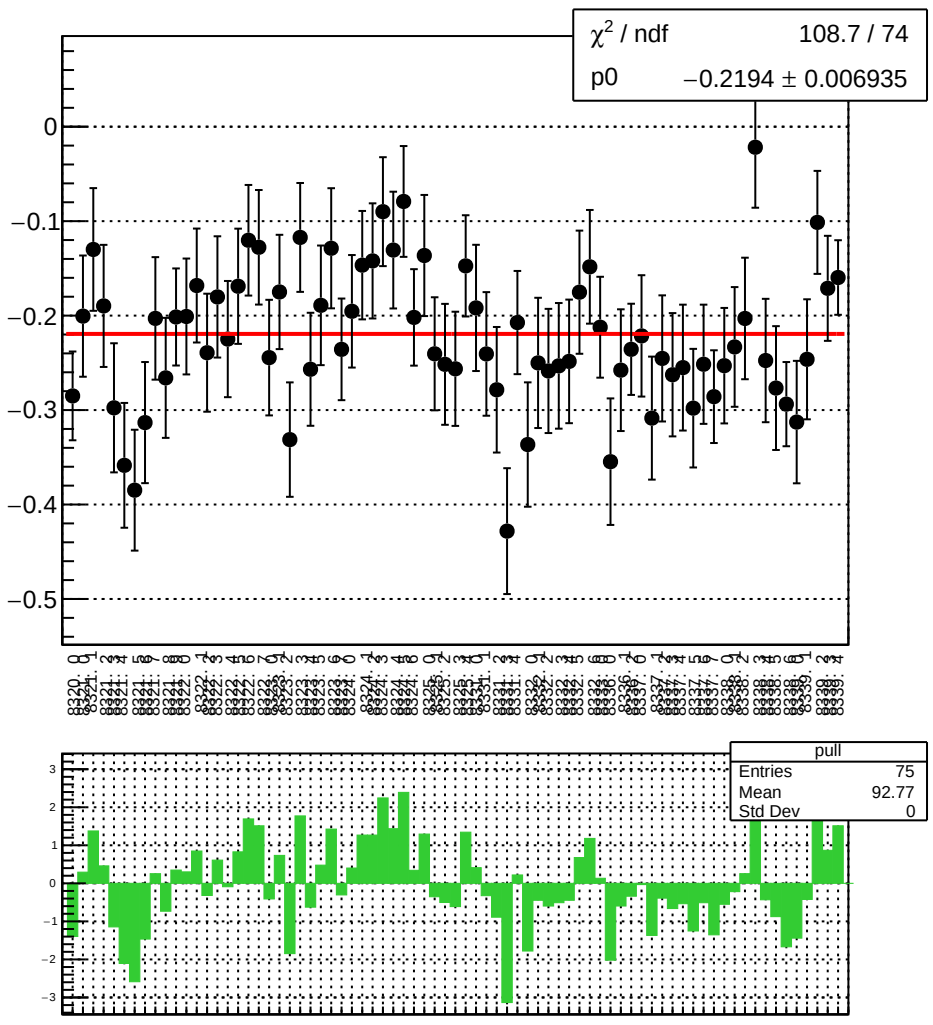

pull1D
Entries 75
Mean 0.03312
Std Dev 1.063

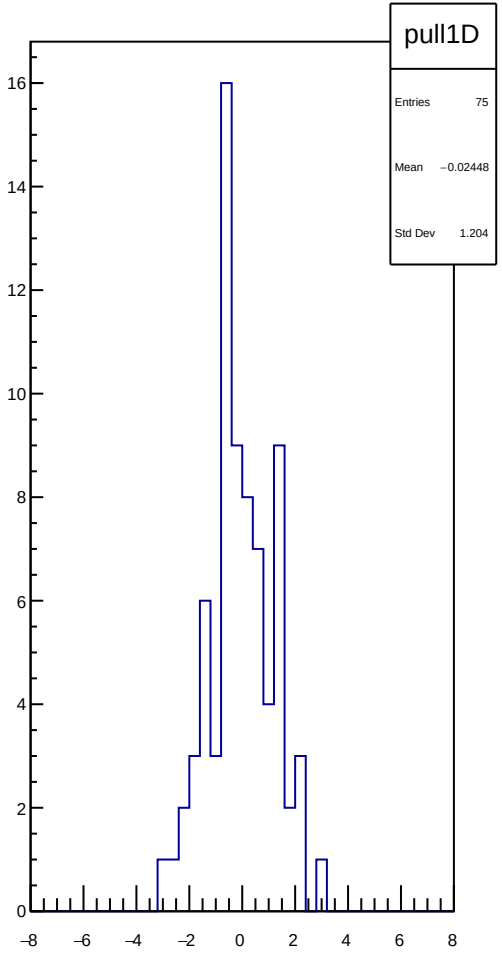

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.85 / 74
p0 0.5798 ± 0.1194
pull
Entries 75
Mean 21.68
Std Dev 49.06
pull1D
Entries 75
Mean −0.007387
Std Dev 0.8933

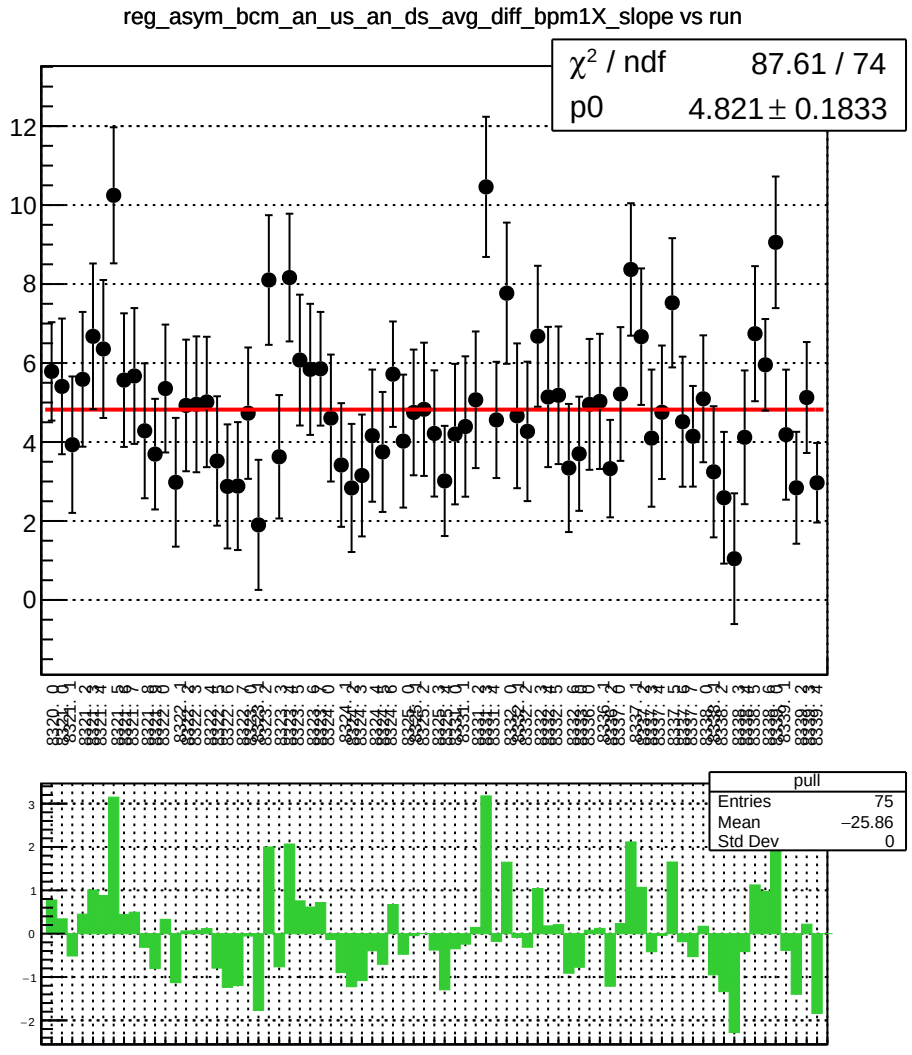

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.23 / 74
p0 −2.029 ± 0.07127
pull
Entries 75
Mean −33.44
Std Dev 0

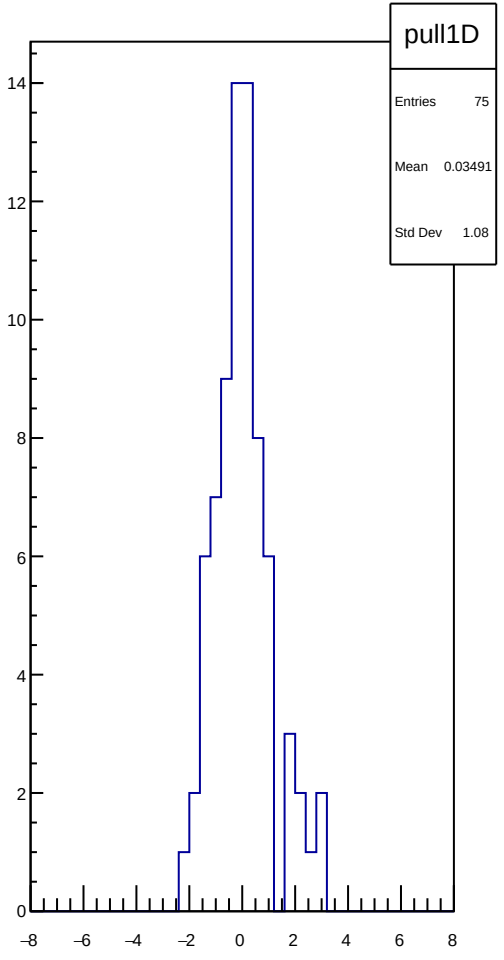

pull1D
Entries 75
Mean −0.03185
Std Dev 1.096

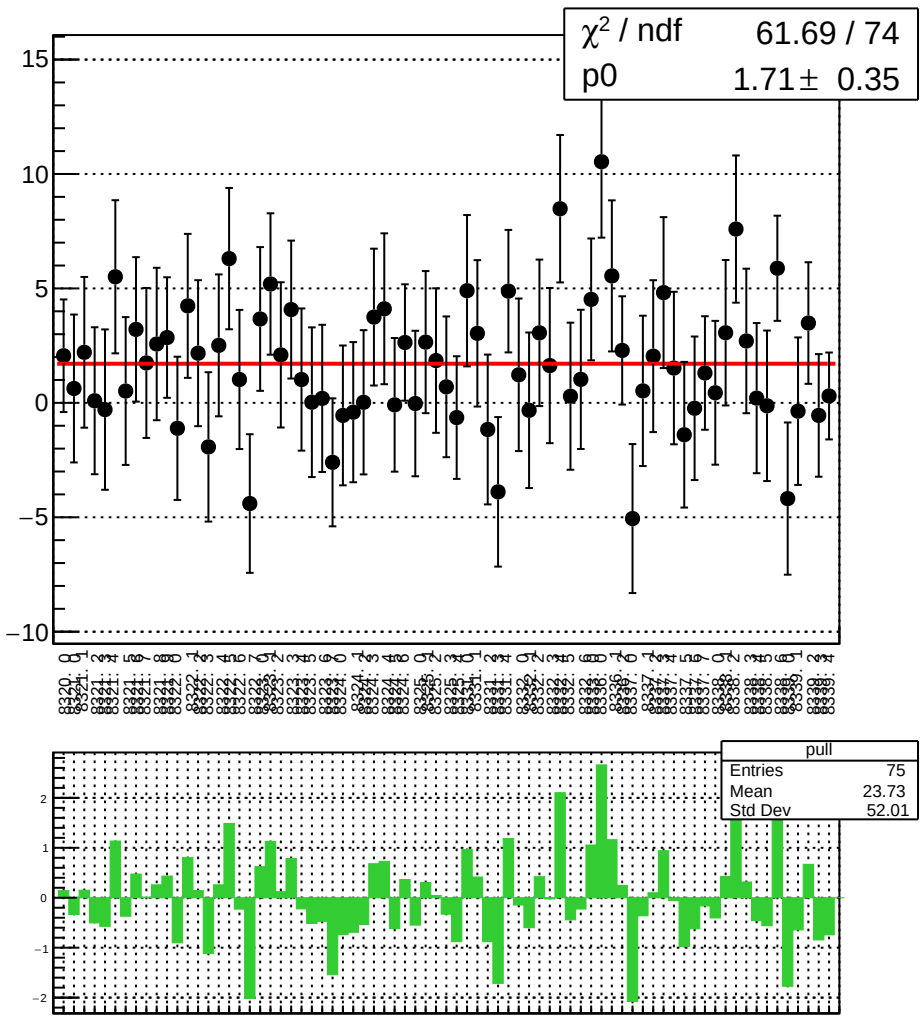

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.11 / 74
p0 −0.556 ± 0.1242
pull
Entries 75
Mean 170.5
Std Dev 0
pull1D
Entries 75
Mean 0.006909
Std Dev 0.8877

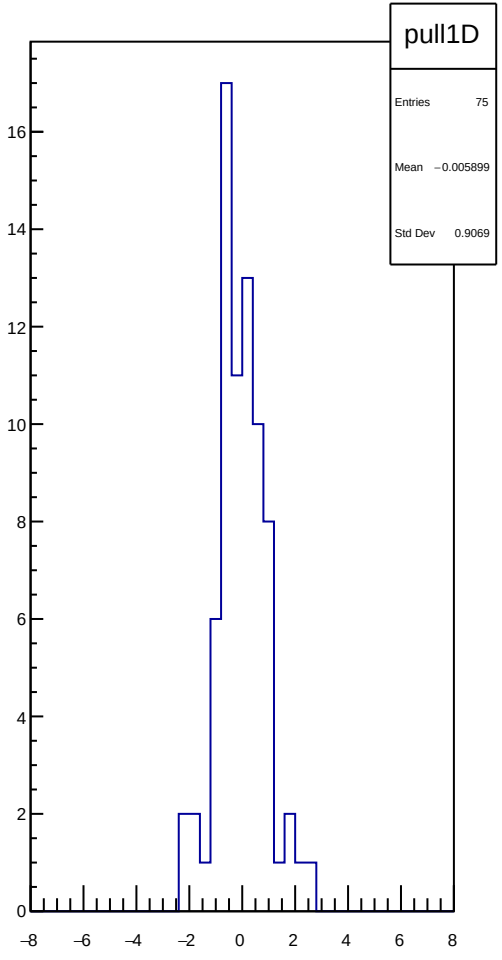

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 108.7 / 74
p0 −0.2194 ± 0.006935
pull
Entries 75
Mean 92.77
Std Dev 0

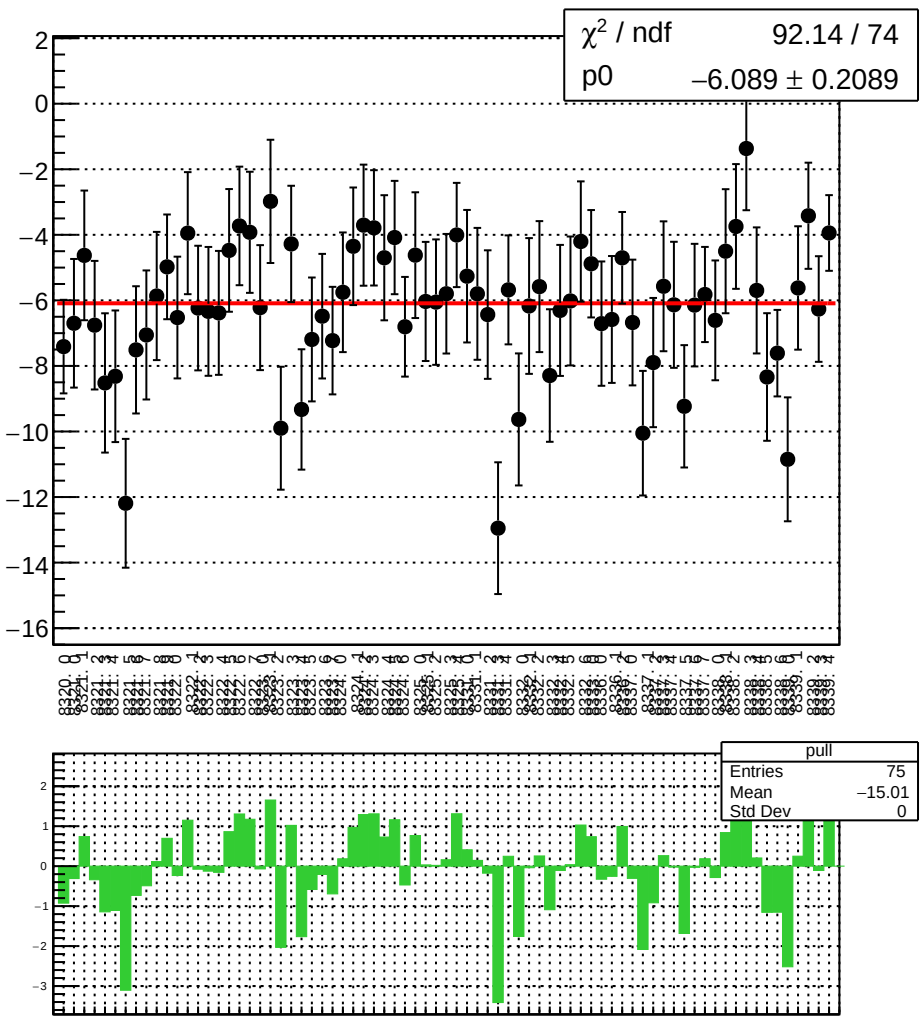

pull1D
Entries 75
Mean −0.02448
Std Dev 1.204

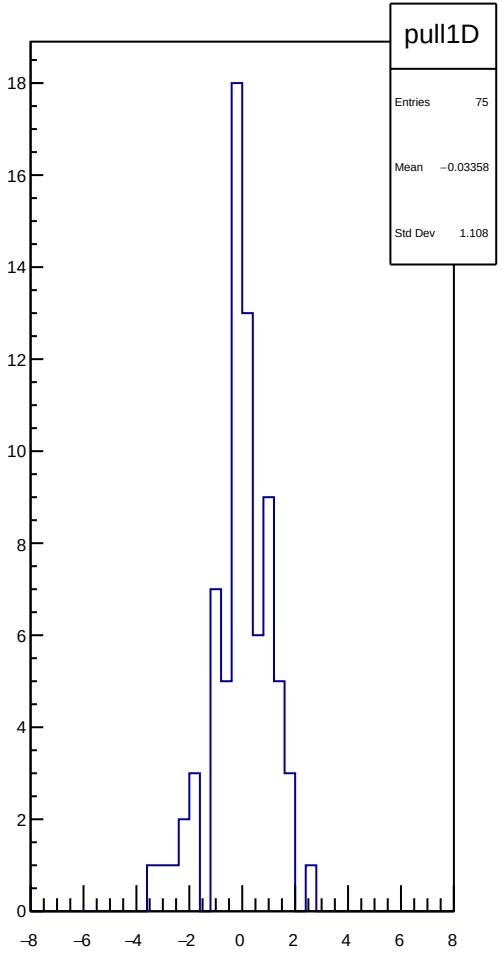

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 87.61 / 74
p0 4.821 ± 0.1833
pull
Entries 75
Mean −25.86
Std Dev 0

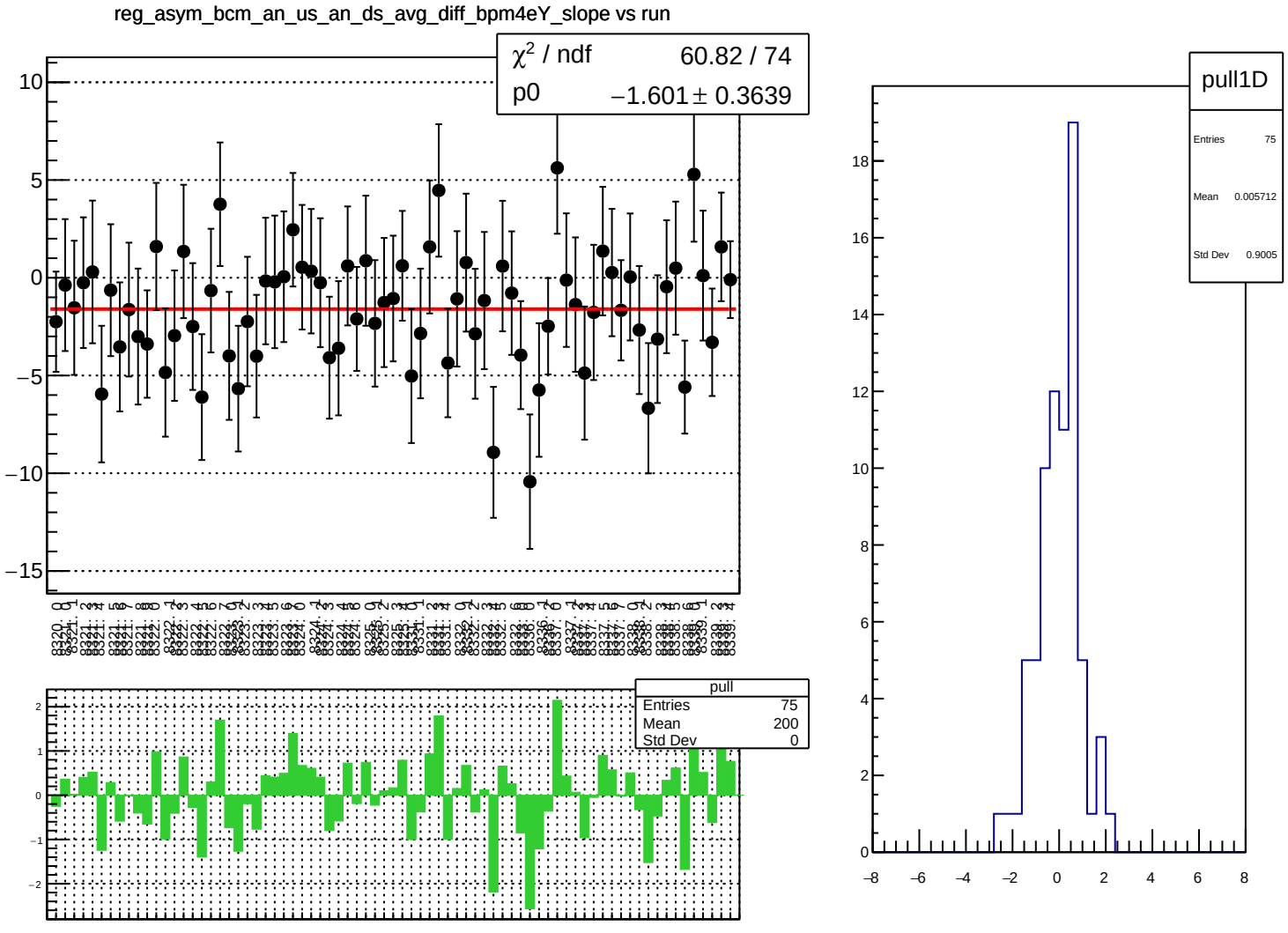

pull1D
Entries 75
Mean 0.03491
Std Dev 1.08

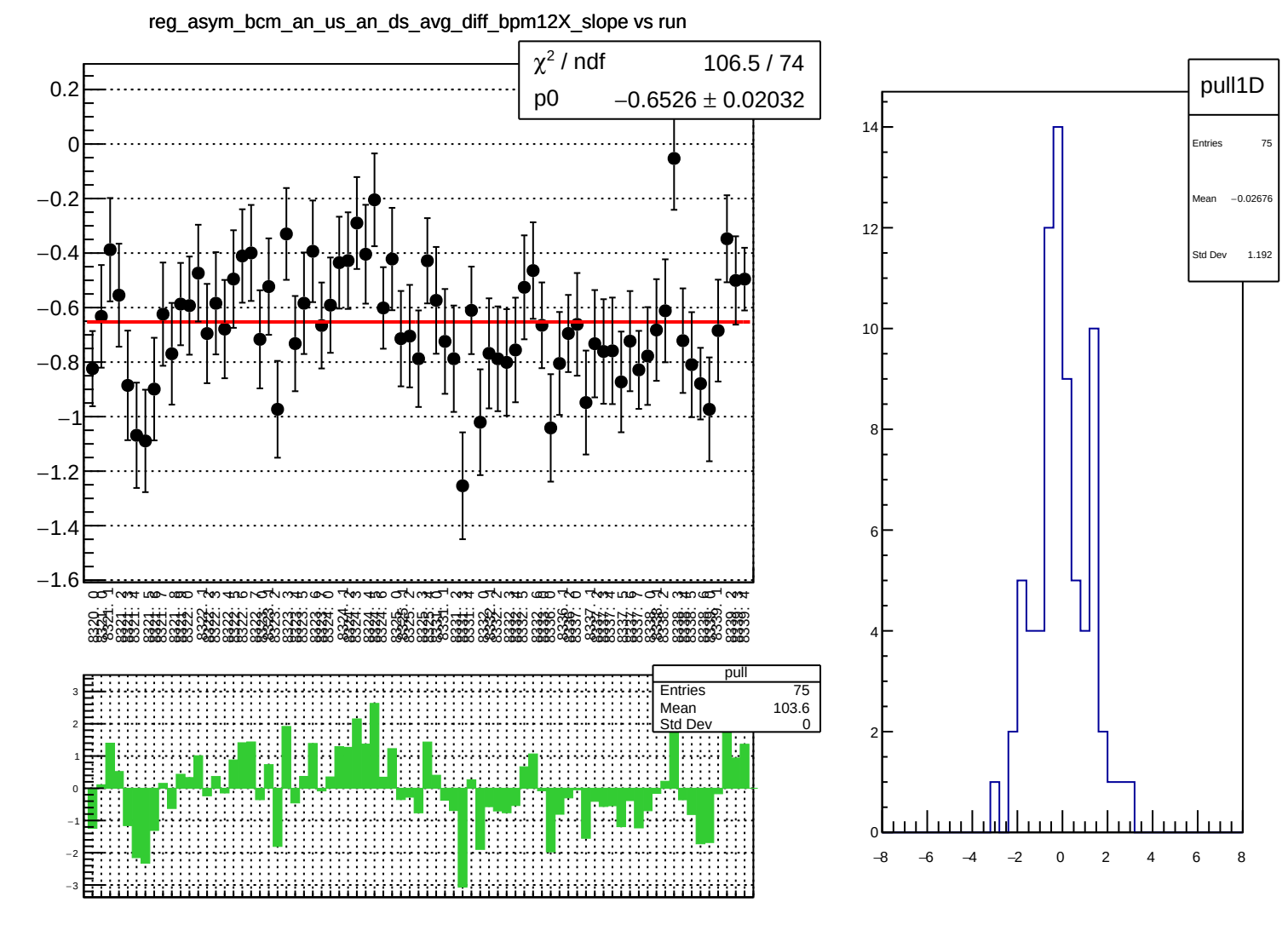

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 61.69 / 74
p0 1.71 ± 0.35
pull
Entries 75
Mean 23.73
Std Dev 52.01

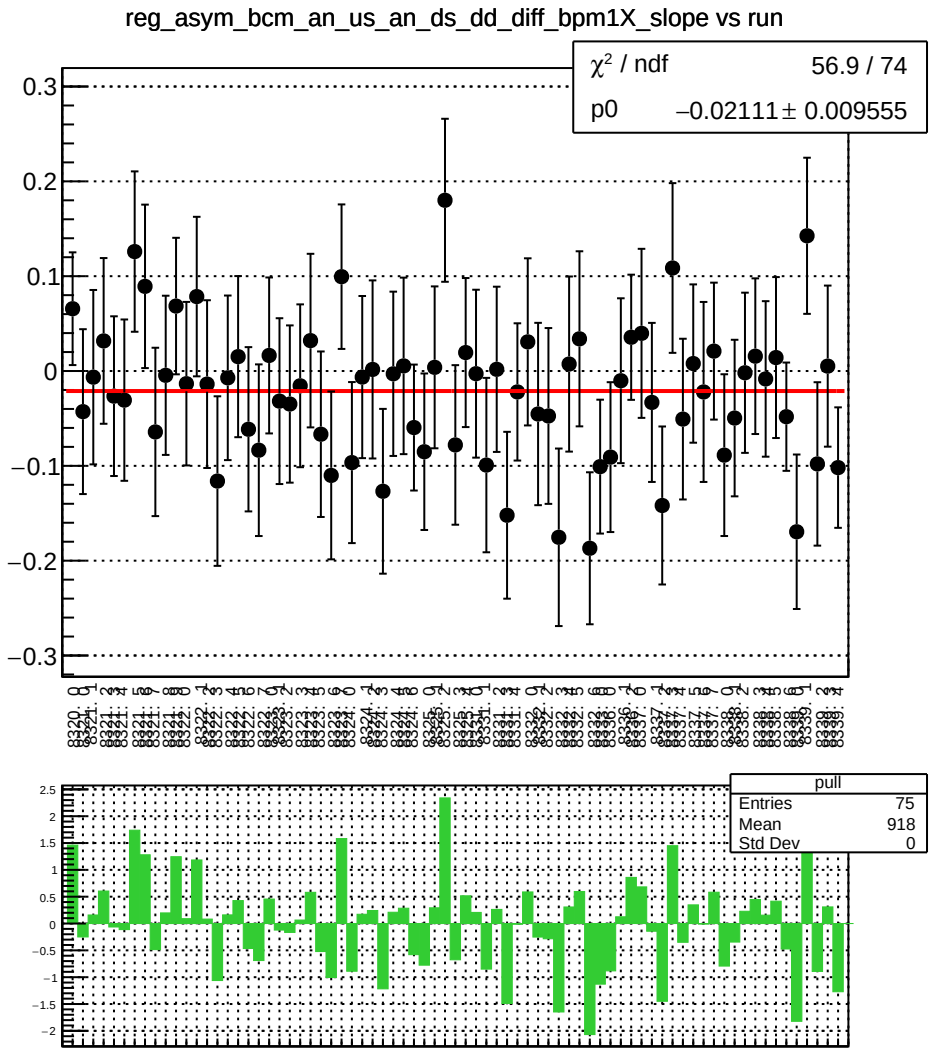

pull1D
Entries 75
Mean −0.005899
Std Dev 0.9069

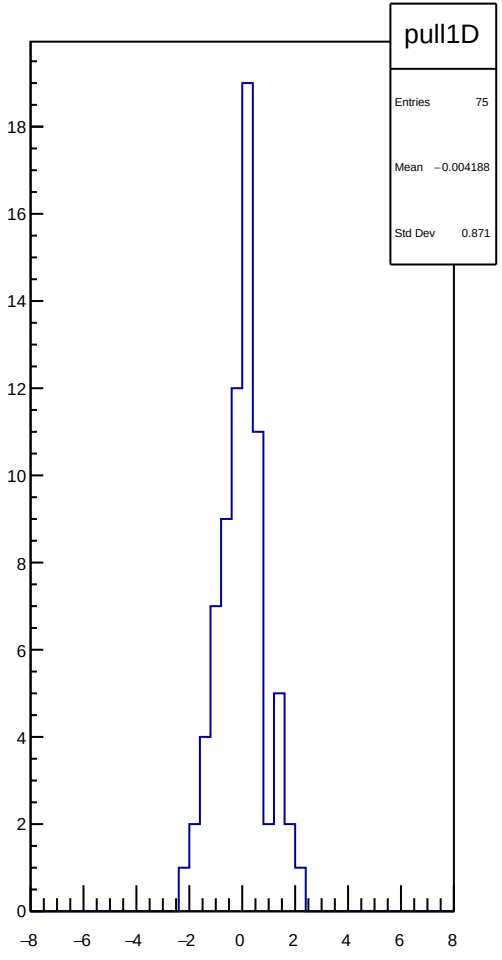

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.14 / 74
p0 −6.089 ± 0.2089
pull
Entries 75
Mean −15.01
Std Dev 0

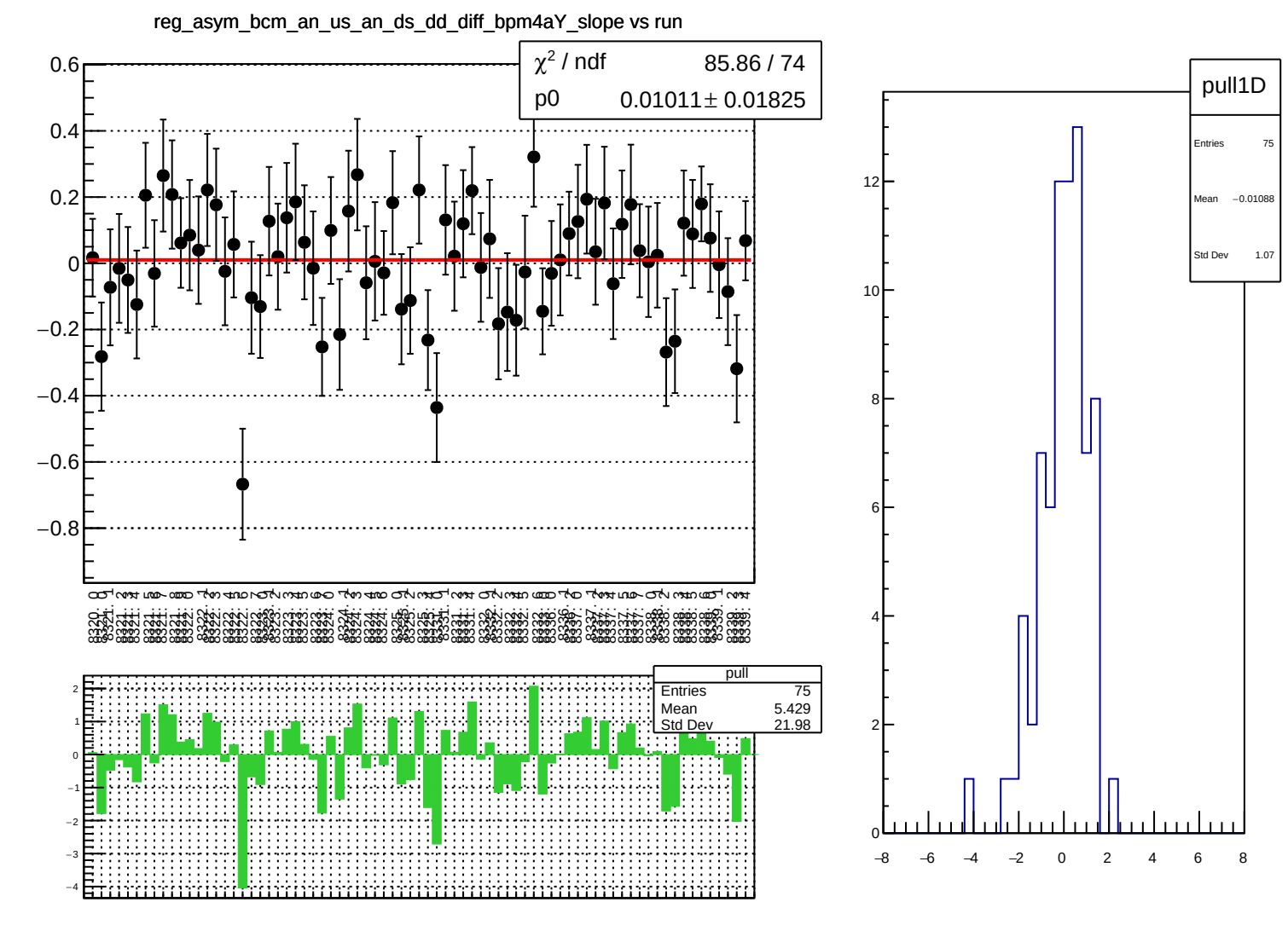

pull1D
Entries 75
Mean −0.03358
Std Dev 1.108

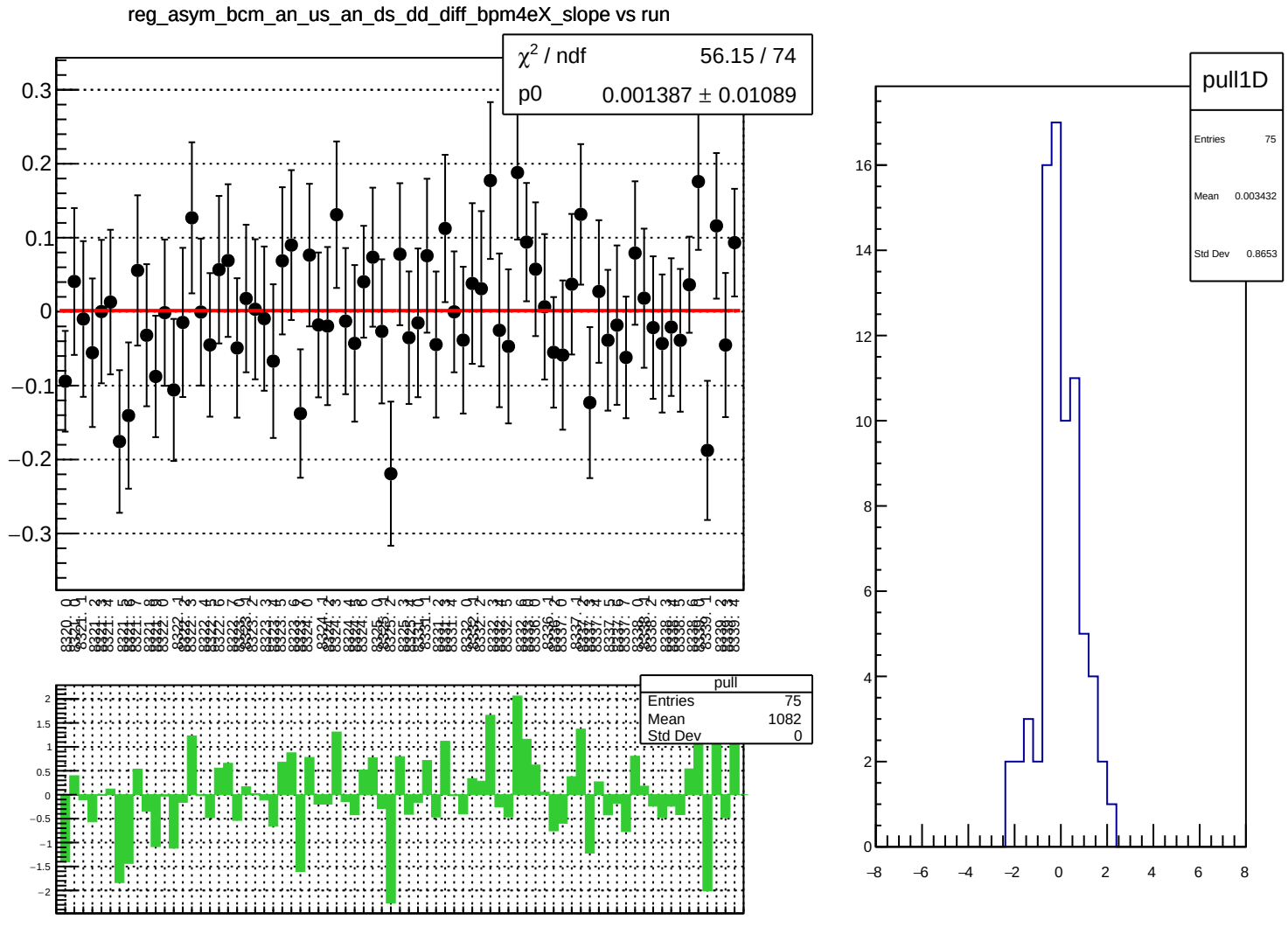

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.82 / 74
p0 −1.601 ± 0.3639
pull
Entries 75
Mean 200
Std Dev 0
pull1D
Entries 75
Mean 0.005712
Std Dev 0.9005

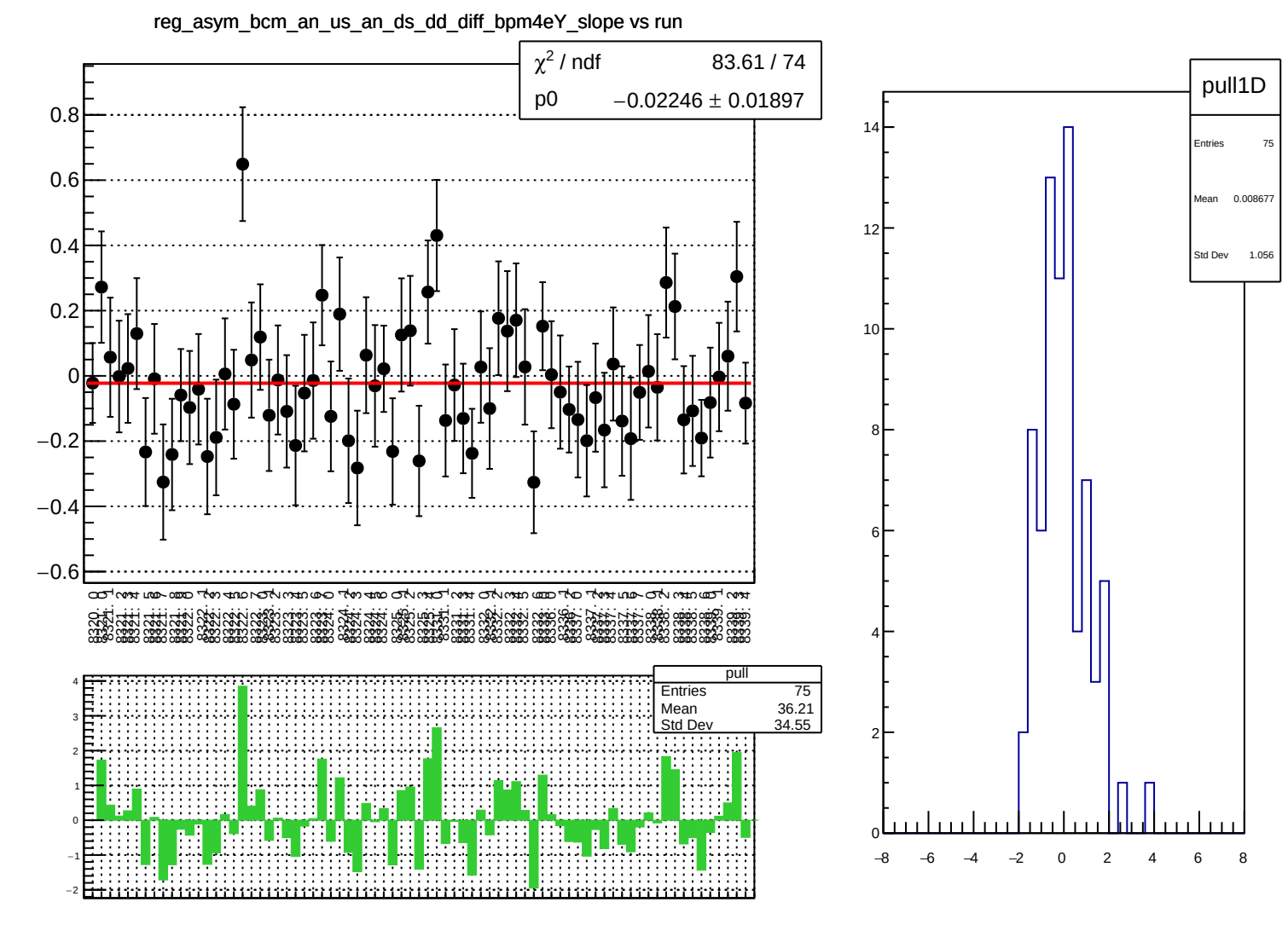

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 106.5 / 74
p0 −0.6526 ± 0.02032
pull
Entries 75
Mean 103.6
Std Dev 0
pull1D
Entries 75
Mean −0.02676
Std Dev 1.192

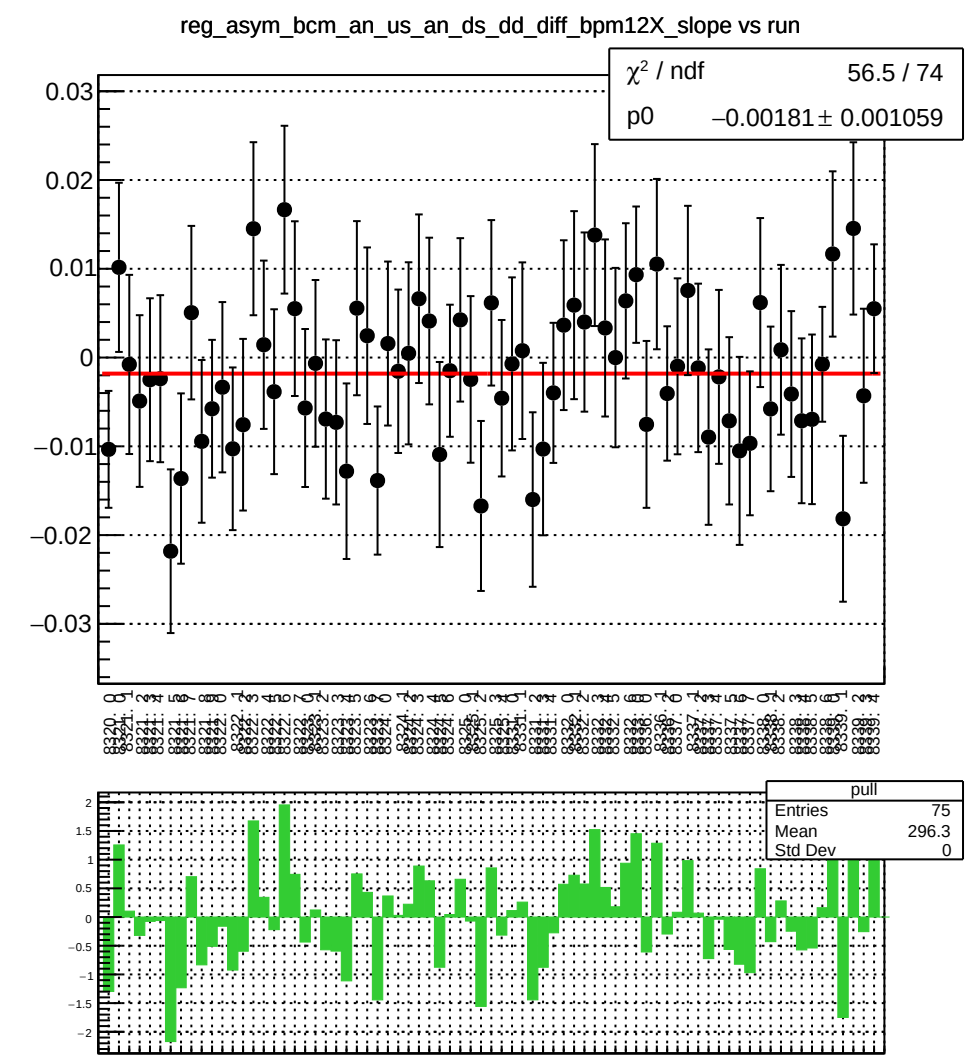

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 56.9 / 74
p0 −0.02111 ± 0.009555
pull
Entries 75
Mean 918
Std Dev 0

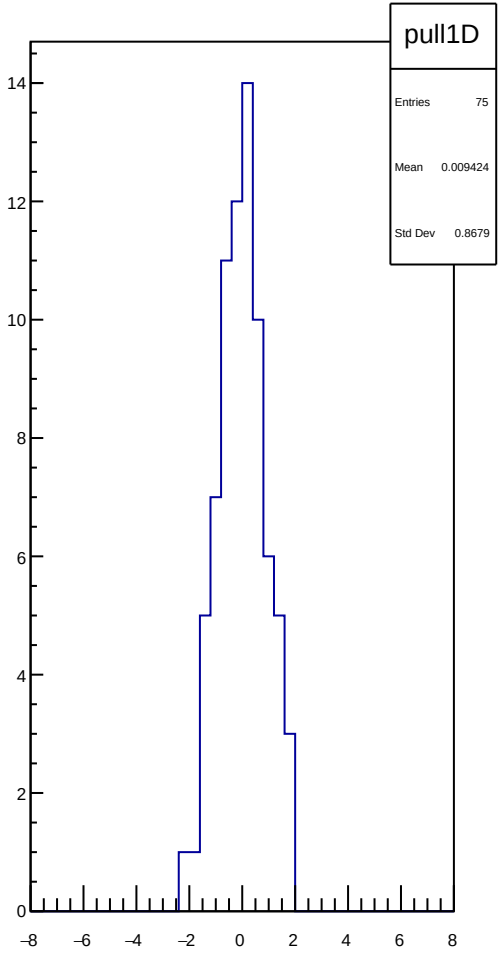

pull1D
Entries 75
Mean −0.004188
Std Dev 0.871

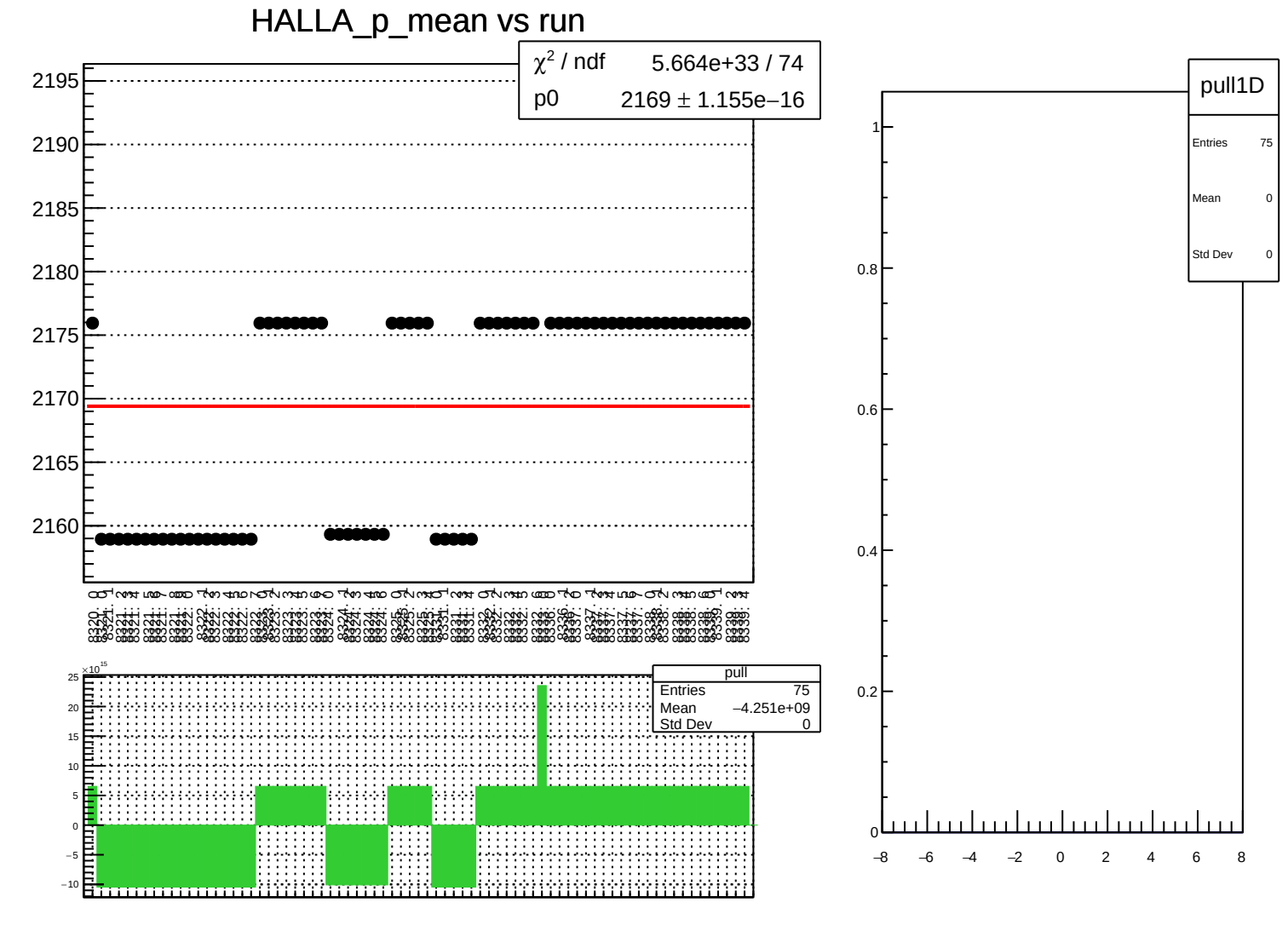

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.86 / 74
p0 0.01011 ± 0.01825
pull
Entries 75
Mean 5.429
Std Dev 21.98
pull1D
Entries 75
Mean −0.01088
Std Dev 1.07

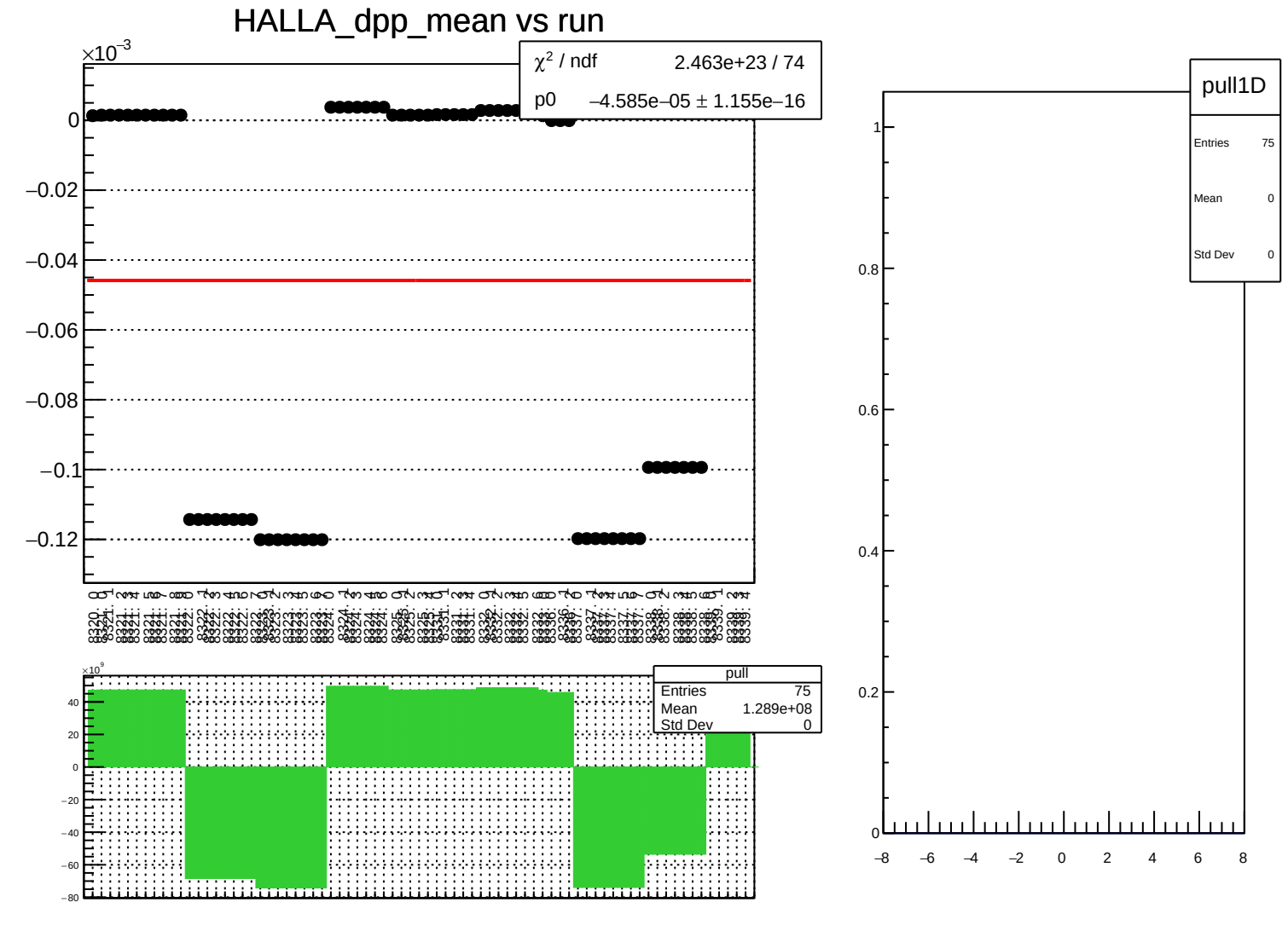

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.15 / 74
p0 0.001387 ± 0.01089
pull
Entries 75
Mean 1082
Std Dev 0
pull1D
Entries 75
Mean 0.003432
Std Dev 0.8653

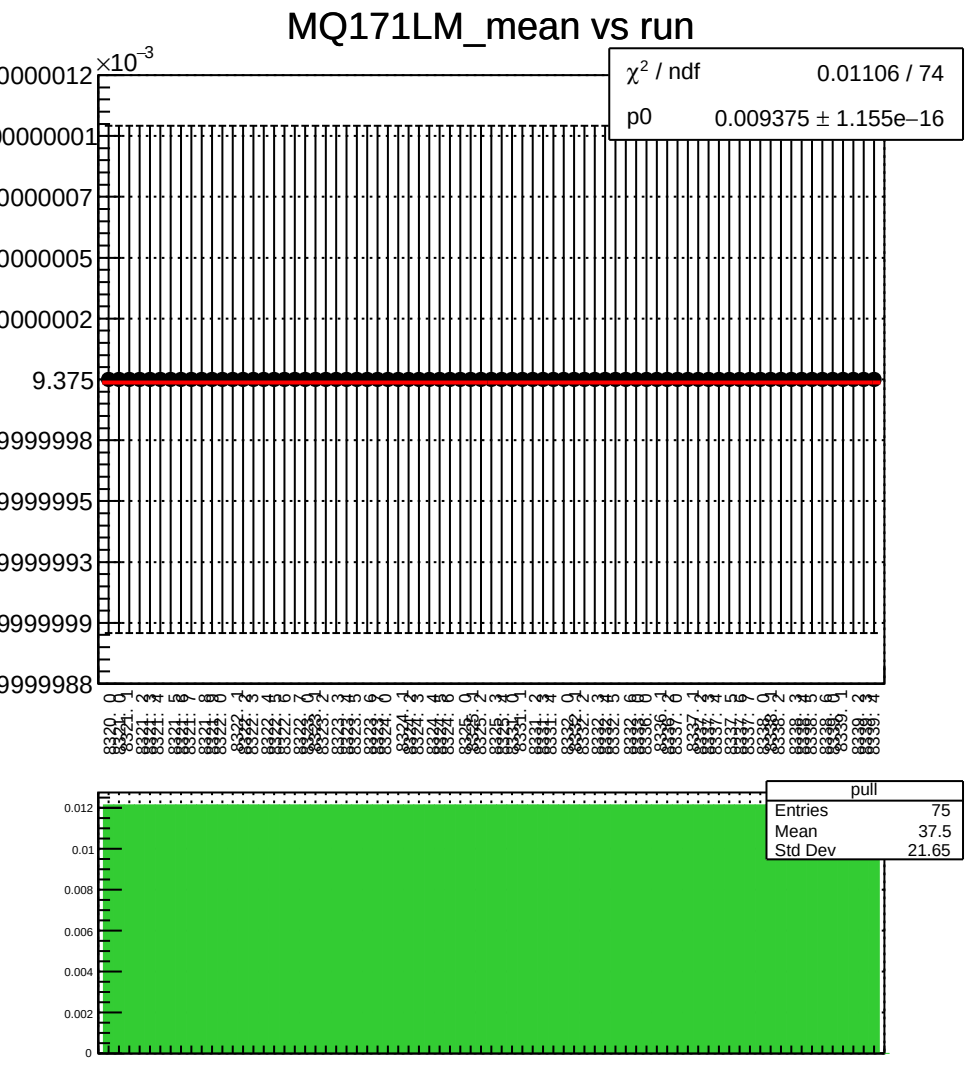

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.61 / 74
p0 −0.02246 ± 0.01897
pull
Entries 75
Mean 36.21
Std Dev 34.55
pull1D
Entries 75
Mean 0.008677
Std Dev 1.056

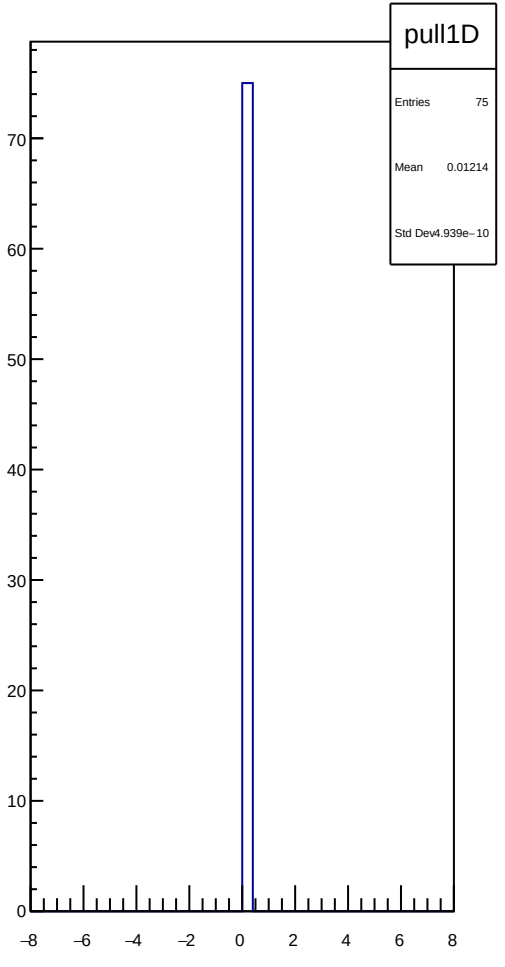

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 56.5 / 74
p0 −0.00181 ± 0.001059
pull
Entries 75
Mean 296.3
Std Dev 0

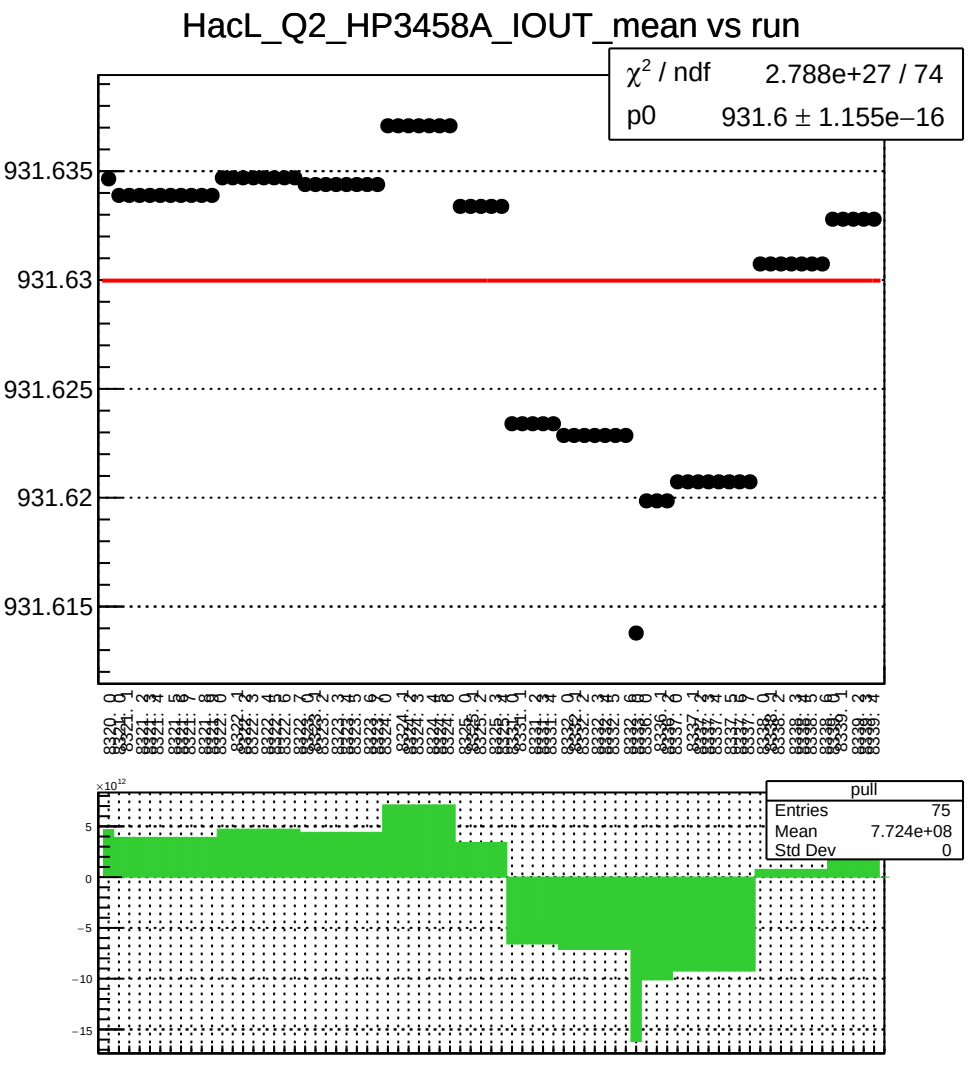

pull1D
Entries 75
Mean 0.009424
Std Dev 0.8679

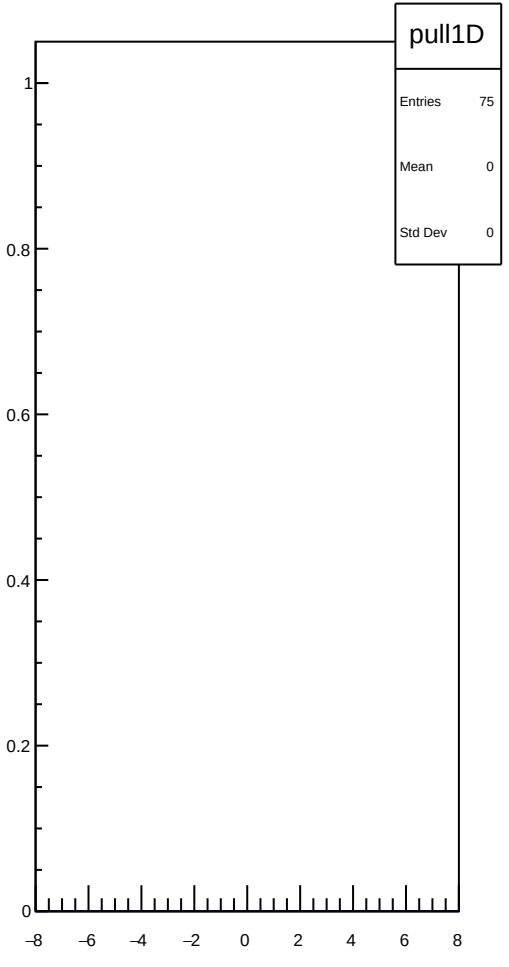

HALLA_p_mean vs run
χ² / ndf 5.664e+33 / 74
p0 2169 ± 1.155e−16
2195
2190
2185
2180
2175
2170
2165
2160
pull
Entries 75
Mean −4.251e+09
Std Dev 0
×10¹⁵
25
20
15
10
5
0
−5
−10
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

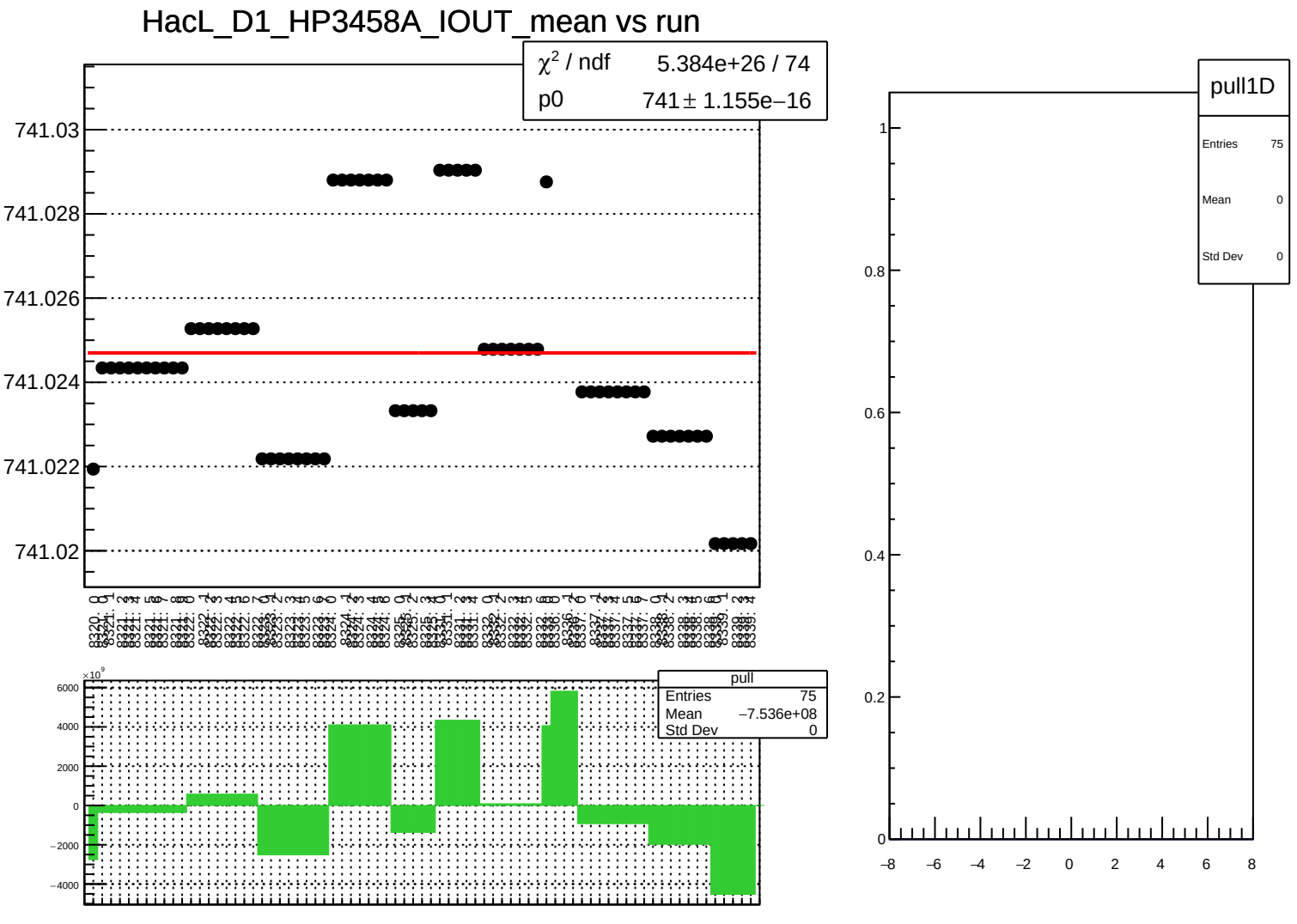

HALLA_dpp_mean vs run
×10⁻³
χ² / ndf 2.463e+23 / 74
p0 −4.585e−05 ± 1.155e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
×10⁹
40
20
0
−20
−40
−60
−80
pull
Entries 75
Mean 1.289e+08
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

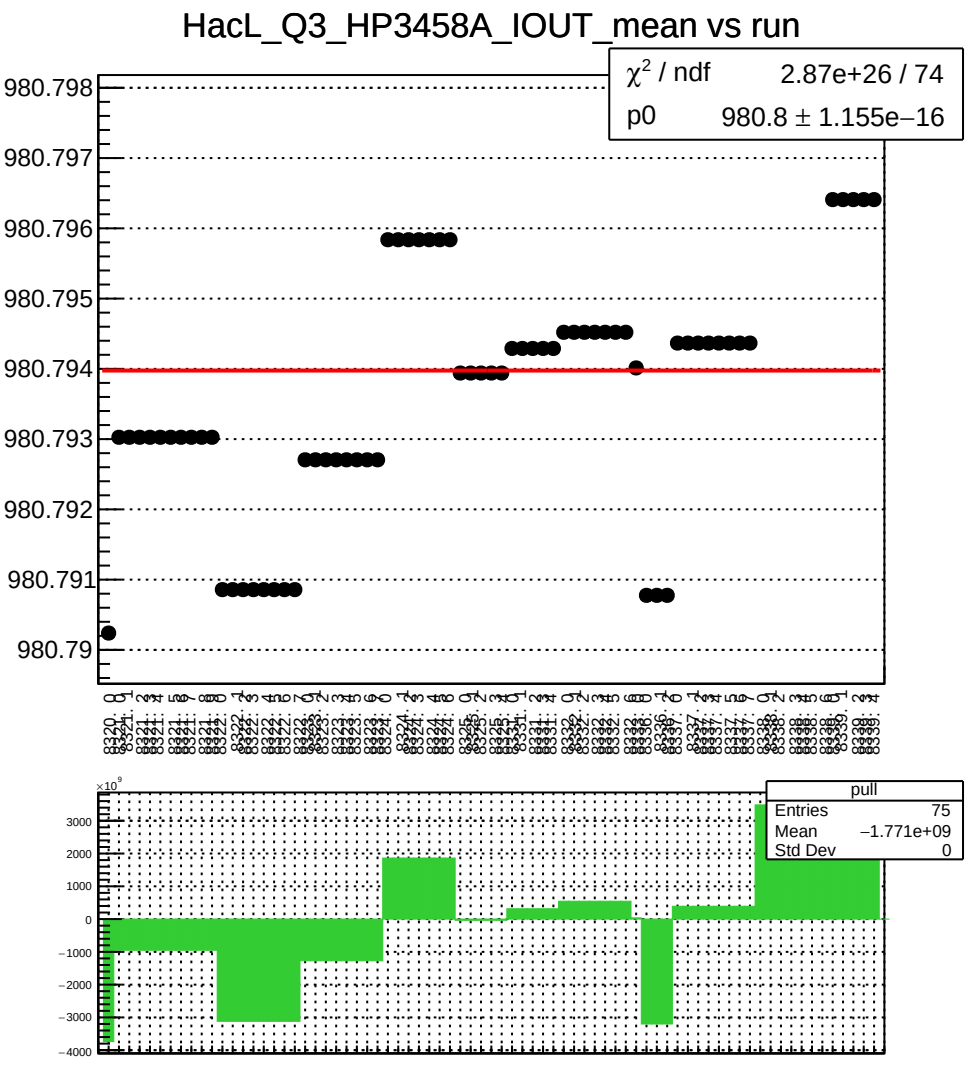

MQ171LM_mean vs run
χ² / ndf 0.01106 / 74
p0 0.009375 ± 1.155e−16
×10⁻³
pull
Entries 75
Mean 37.5
Std Dev 21.65

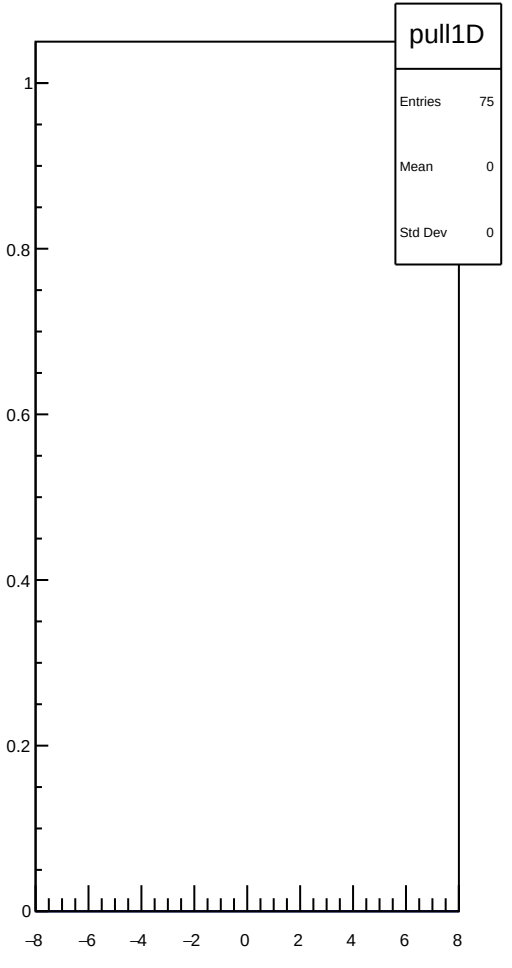

pull1D
Entries 75
Mean 0.01214
Std Dev 4.939e−10

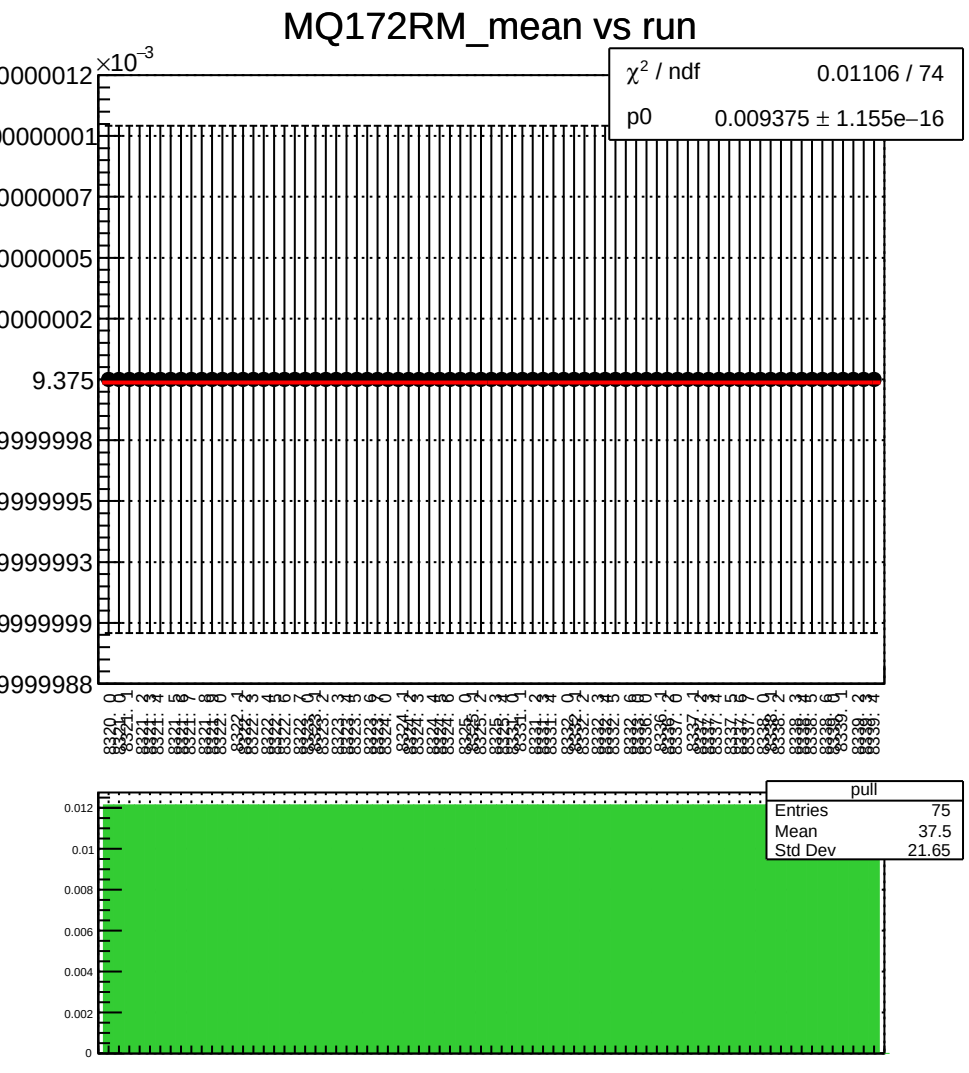

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 2.788e+27 / 74
p0 931.6 ± 1.155e−16
931.635
931.63
931.625
931.62
931.615
pull
Entries 75
Mean 7.724e+08
Std Dev 0
×10¹²
5
0
−5
−10
−15

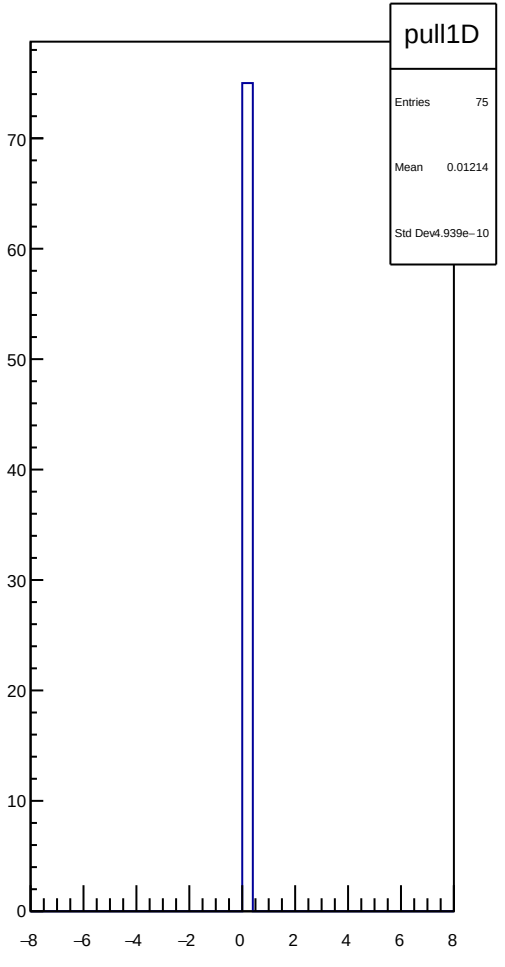

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

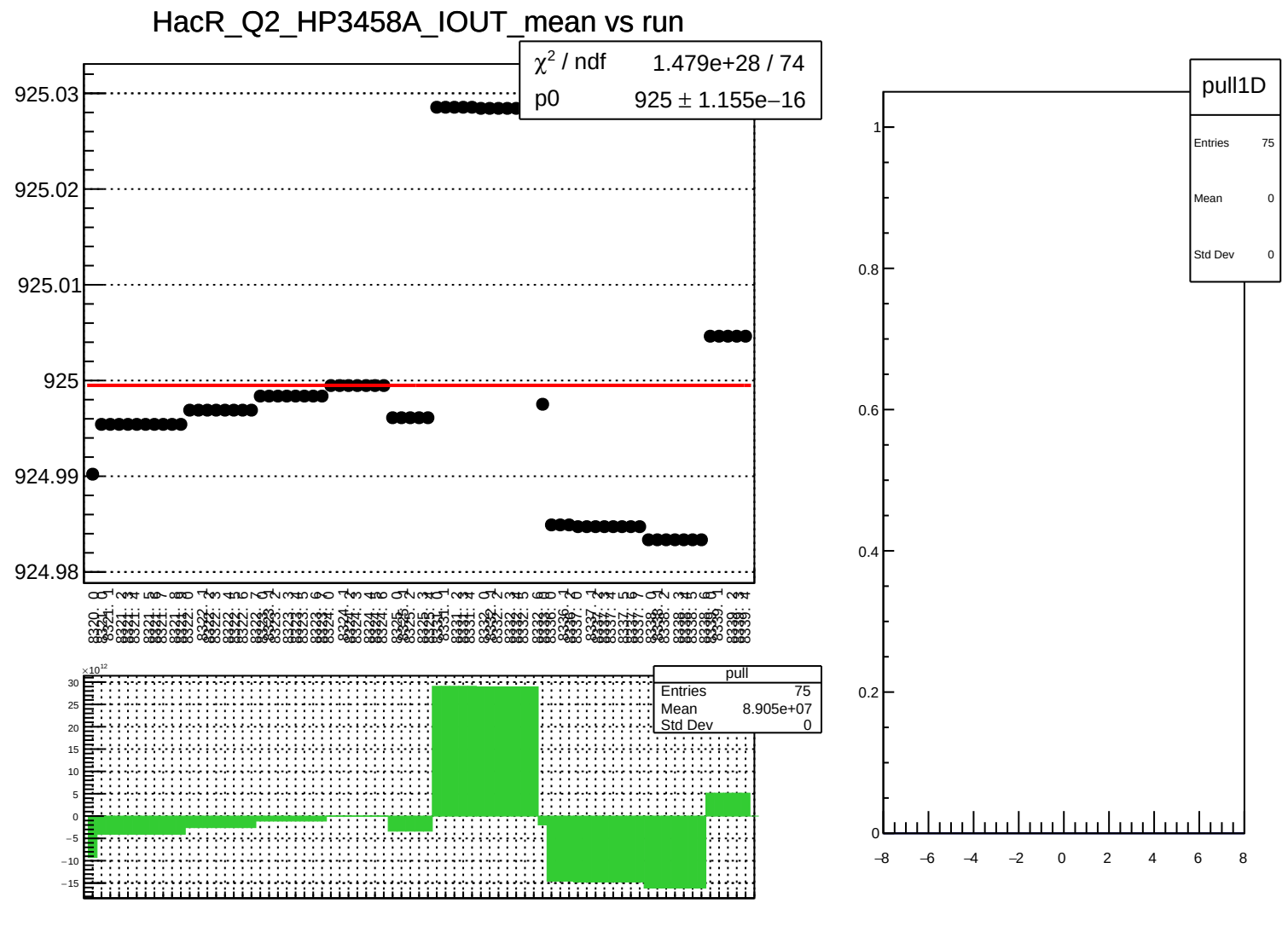

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 5.384e+26 / 74
p0 741 ± 1.155e−16
741.03
741.028
741.026
741.024
741.022
741.02
pull
Entries 75
Mean −7.536e+08
Std Dev 0
×10⁹
6000
4000
2000
0
−2000
−4000
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

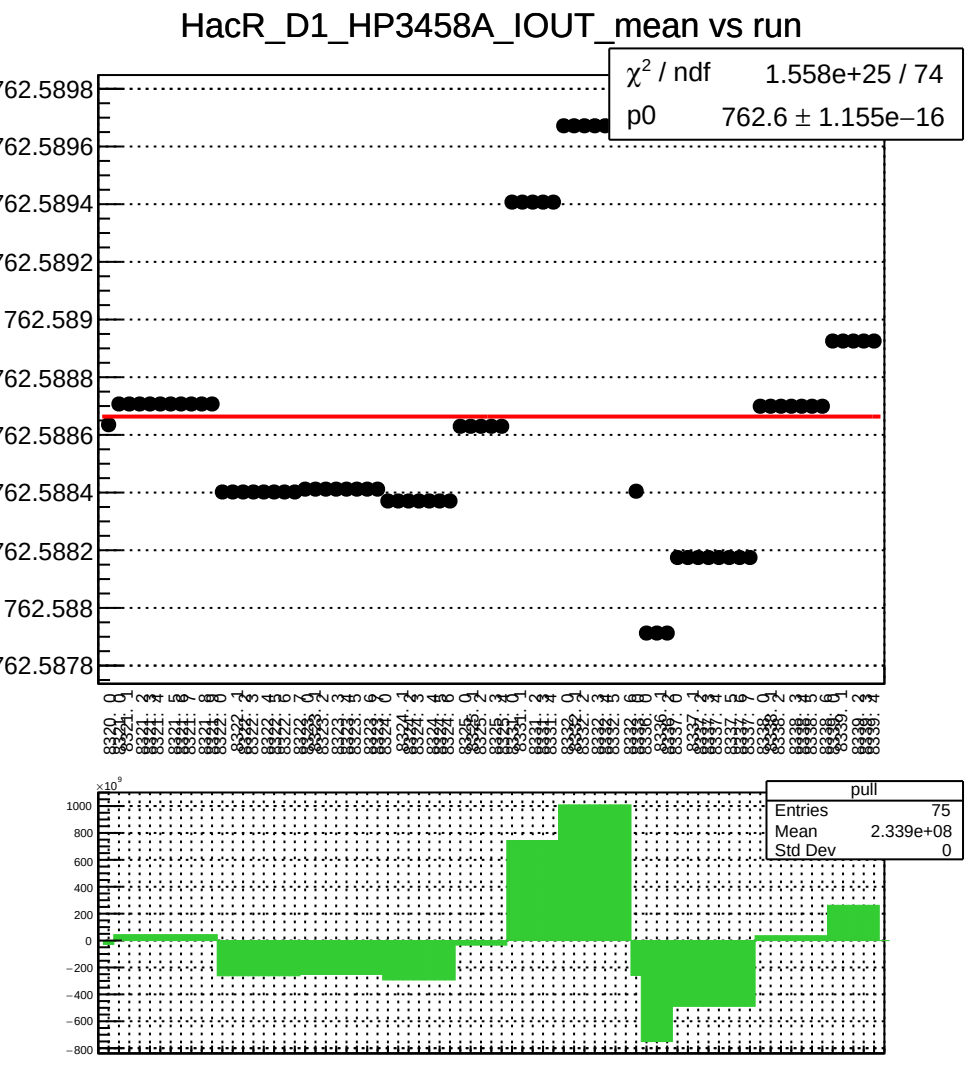

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.87e+26 / 74
p0 980.8 ± 1.155e−16
980.798
980.797
980.796
980.795
980.794
980.793
980.792
980.791
980.79
×10⁹
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 75
Mean −1.771e+09
Std Dev 0

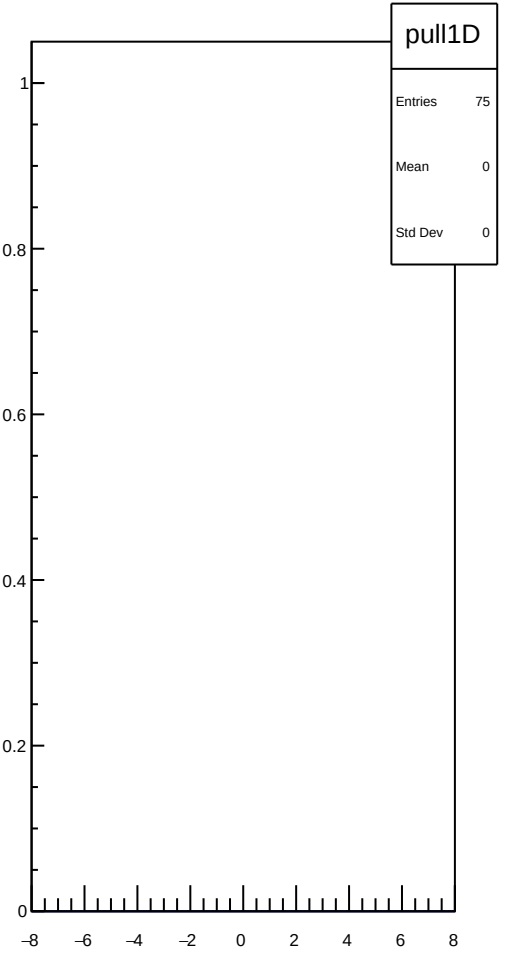

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

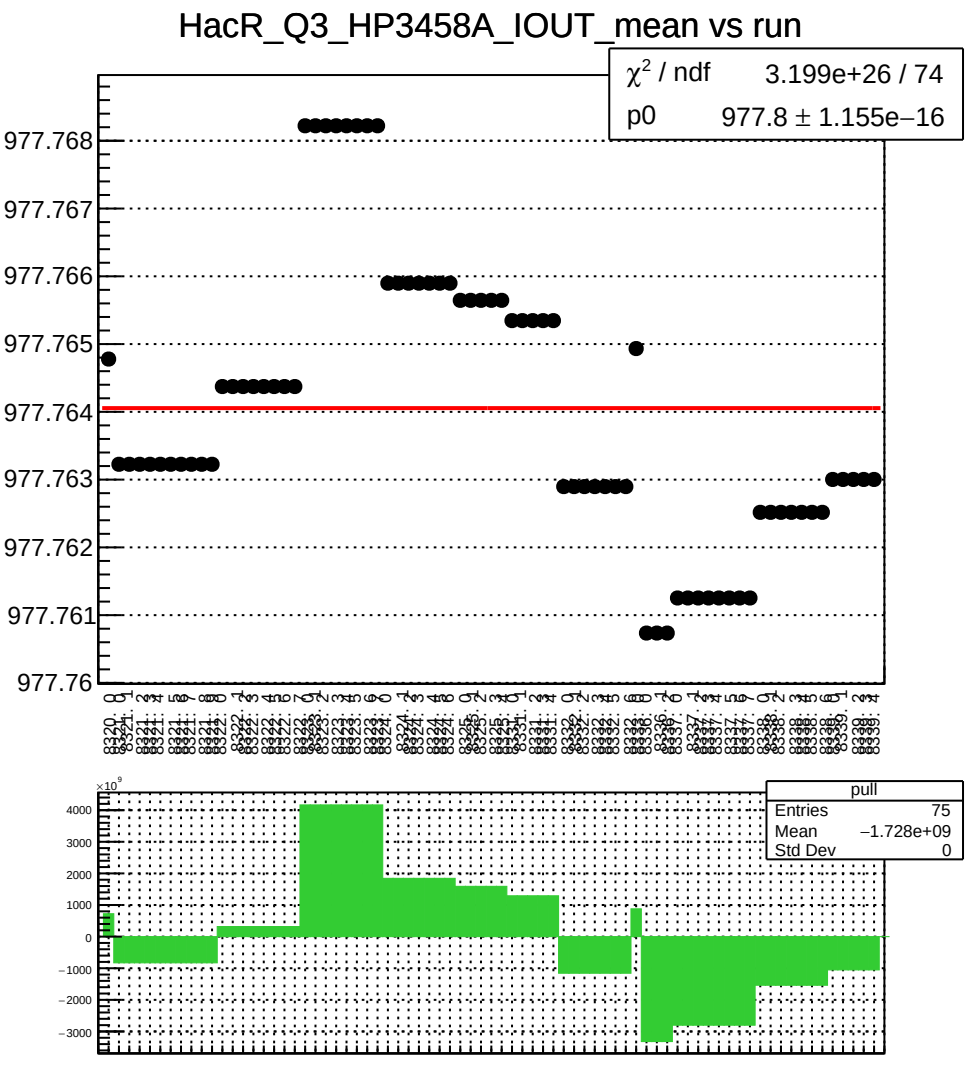

MQ172RM_mean vs run
χ² / ndf 0.01106 / 74
p0 0.009375 ± 1.155e−16
×10⁻³
pull
Entries 75
Mean 37.5
Std Dev 21.65

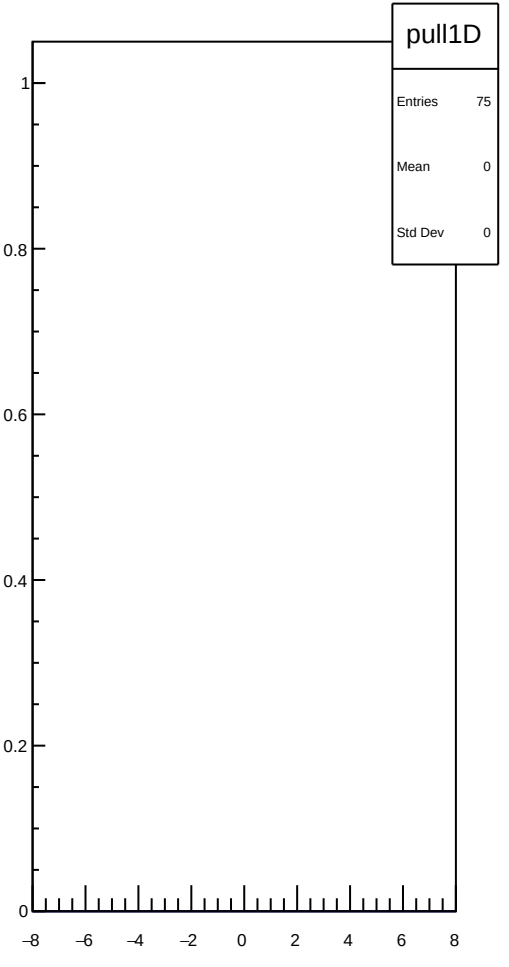

pull1D
Entries 75
Mean 0.01214
Std Dev 4.939e−10

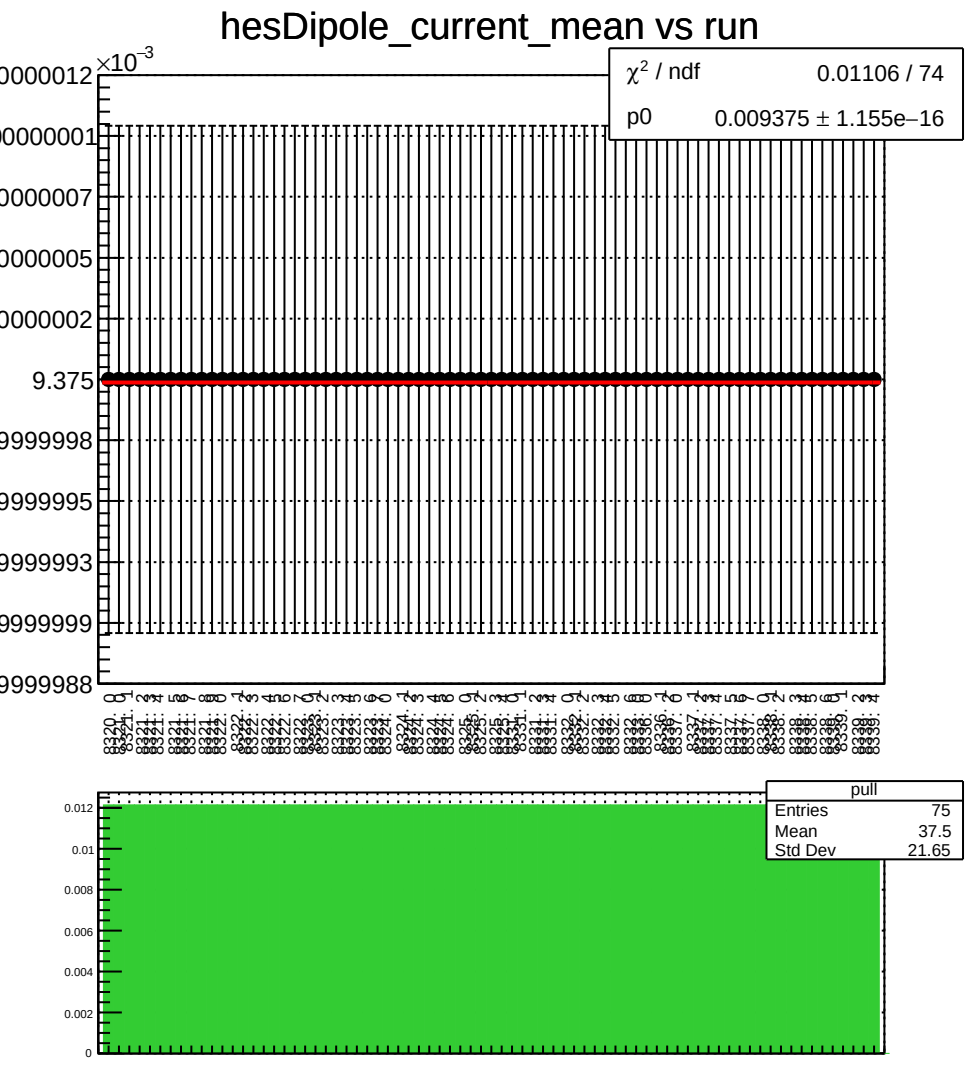

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.479e+28 / 74
p0 925 ± 1.155e−16
925.03
925.02
925.01
925
924.99
924.98
pull
Entries 75
Mean 8.905e+07
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0

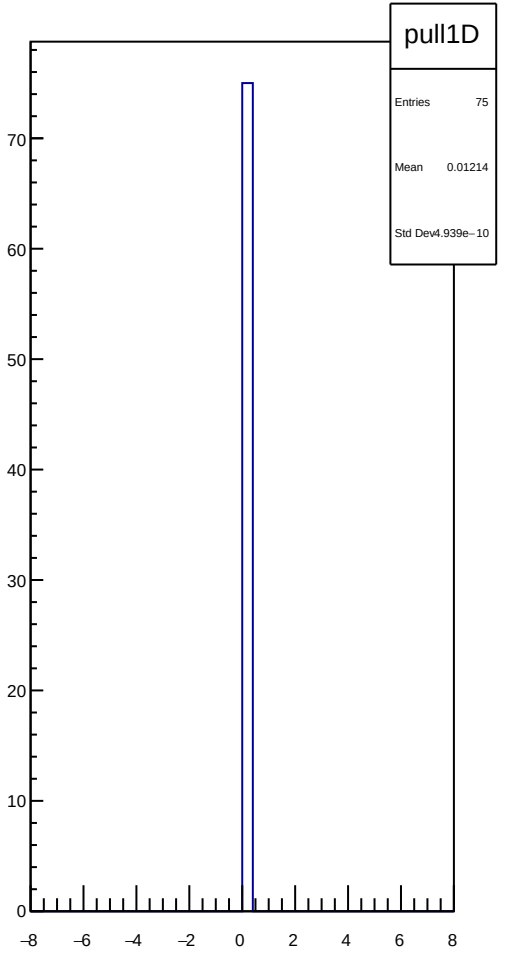

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.558e+25 / 74
p0 762.6 ± 1.155e−16
762.5898
762.5896
762.5894
762.5892
762.589
762.5888
762.5886
762.5884
762.5882
762.588
762.5878
pull
Entries 75
Mean 2.339e+08
Std Dev 0
×10⁹
1000
800
600
400
200
0
−200
−400
−600
−800

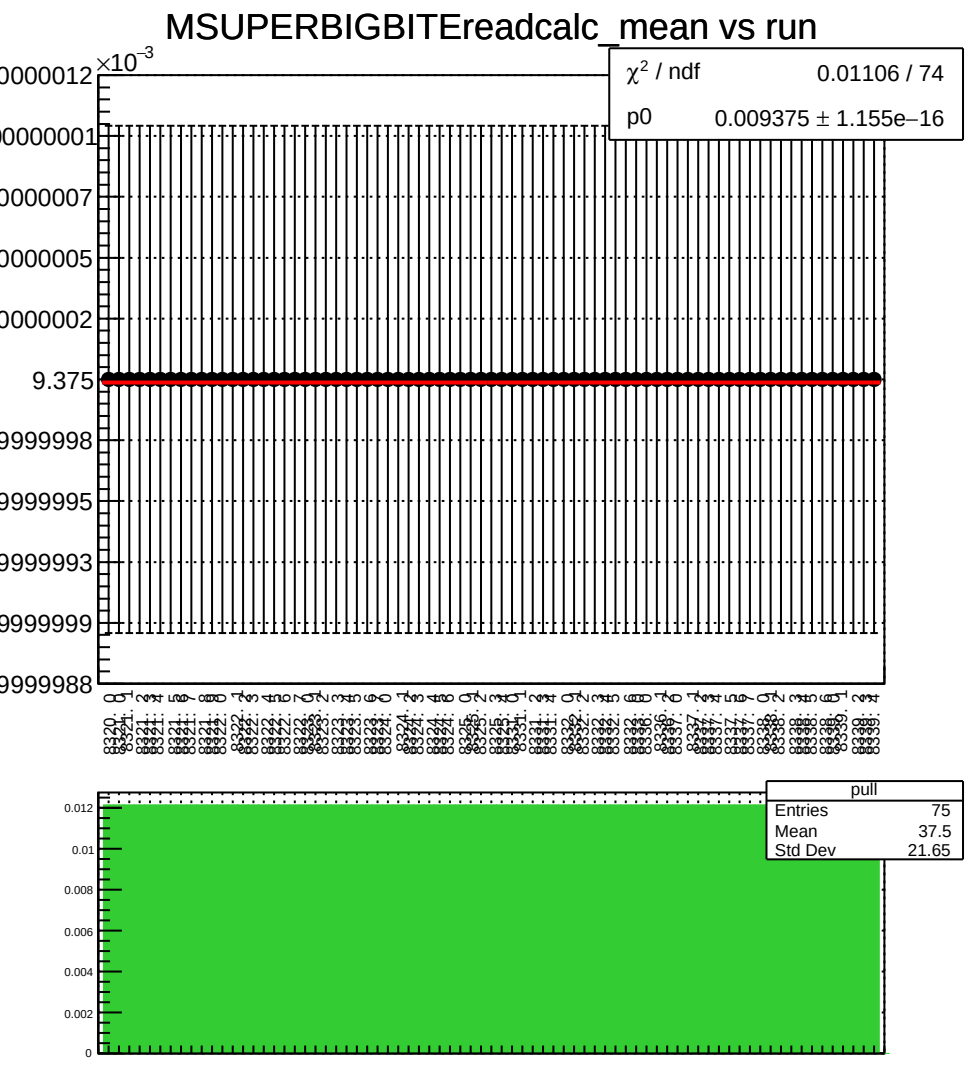

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

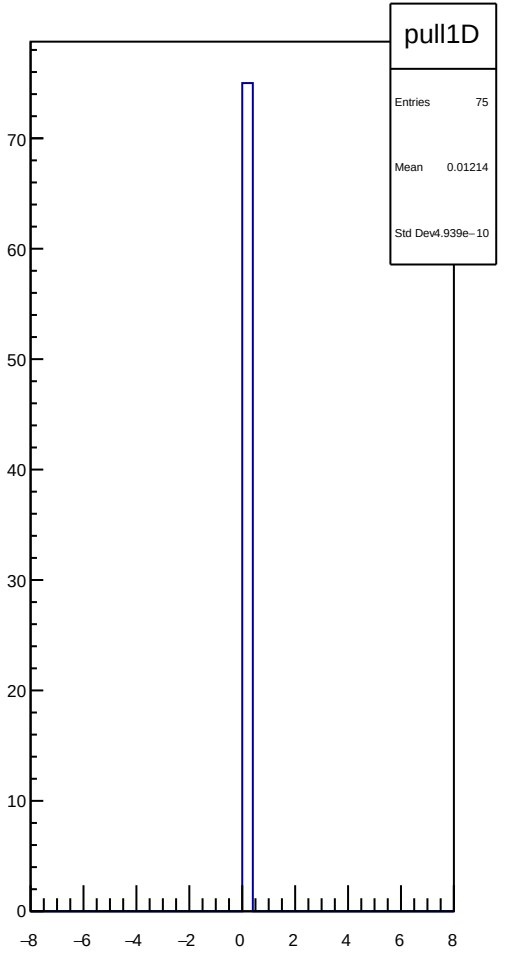

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.199e+26 / 74
p0 977.8 ± 1.155e−16
977.768
977.767
977.766
977.765
977.764
977.763
977.762
977.761
977.76
pull
Entries 75
Mean −1.728e+09
Std Dev 0
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000

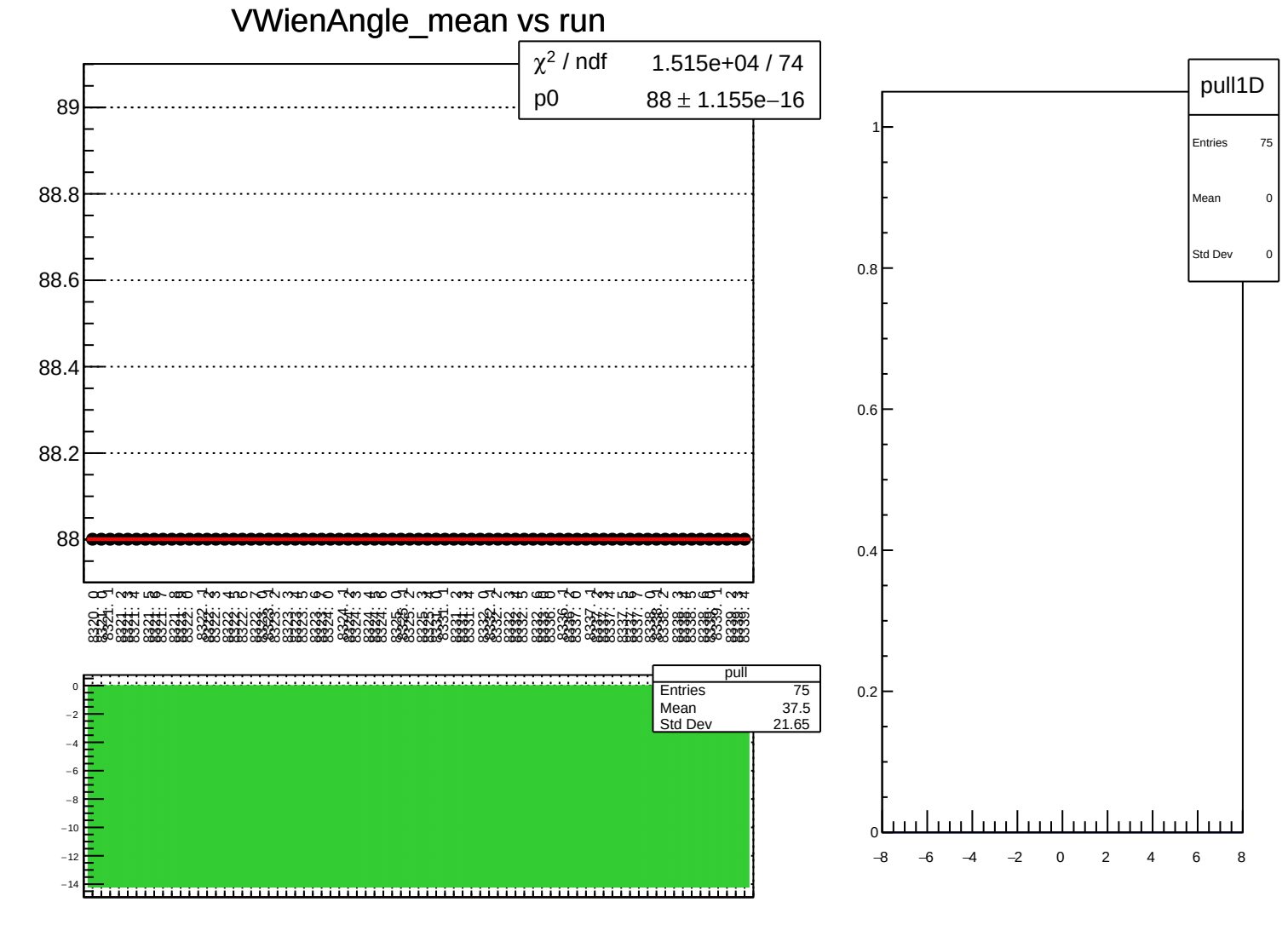

pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

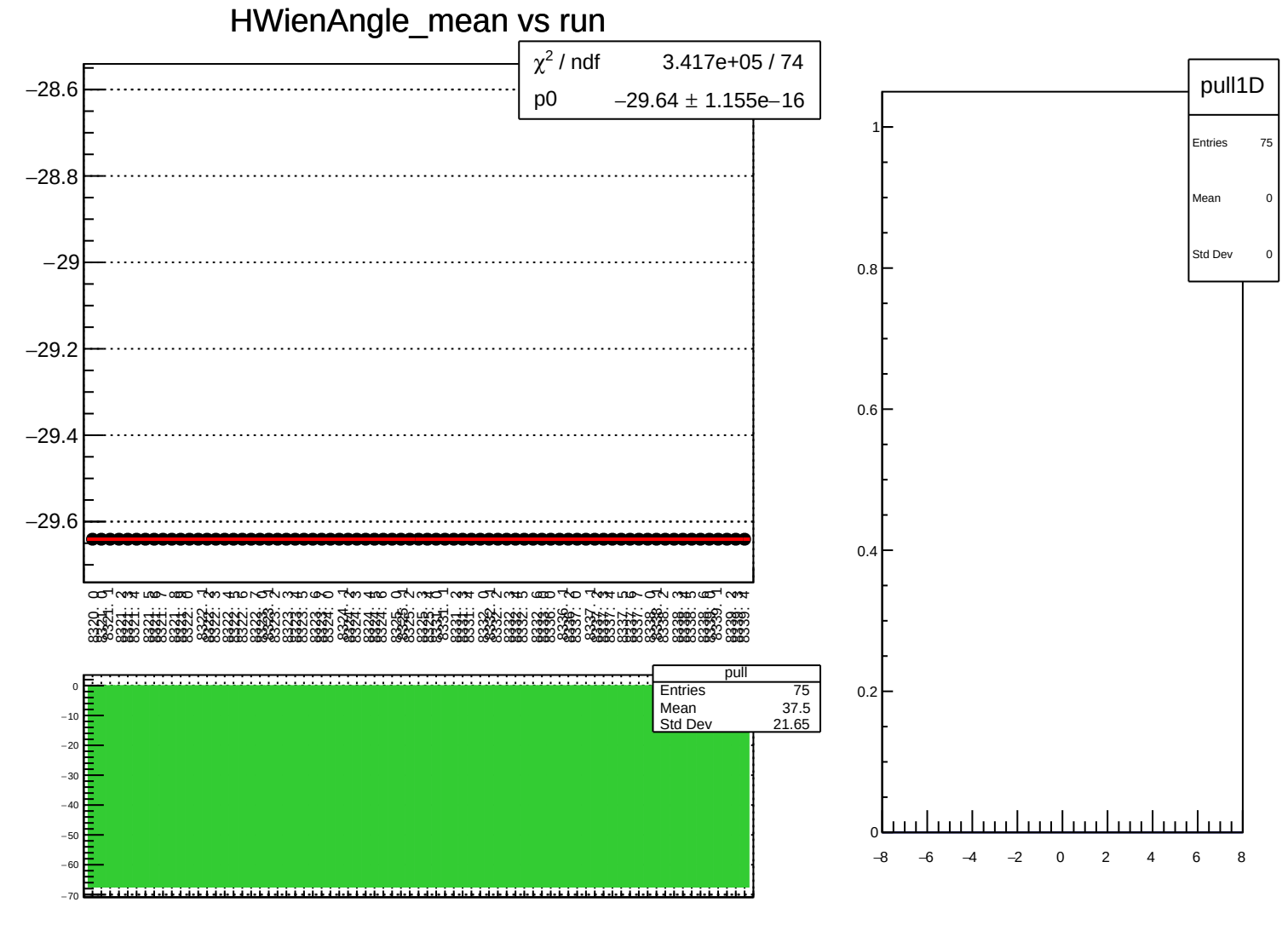

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0.01106 / 74
p0 0.009375 ± 1.155e−16
9.375
pull
Entries 75
Mean 37.5
Std Dev 21.65

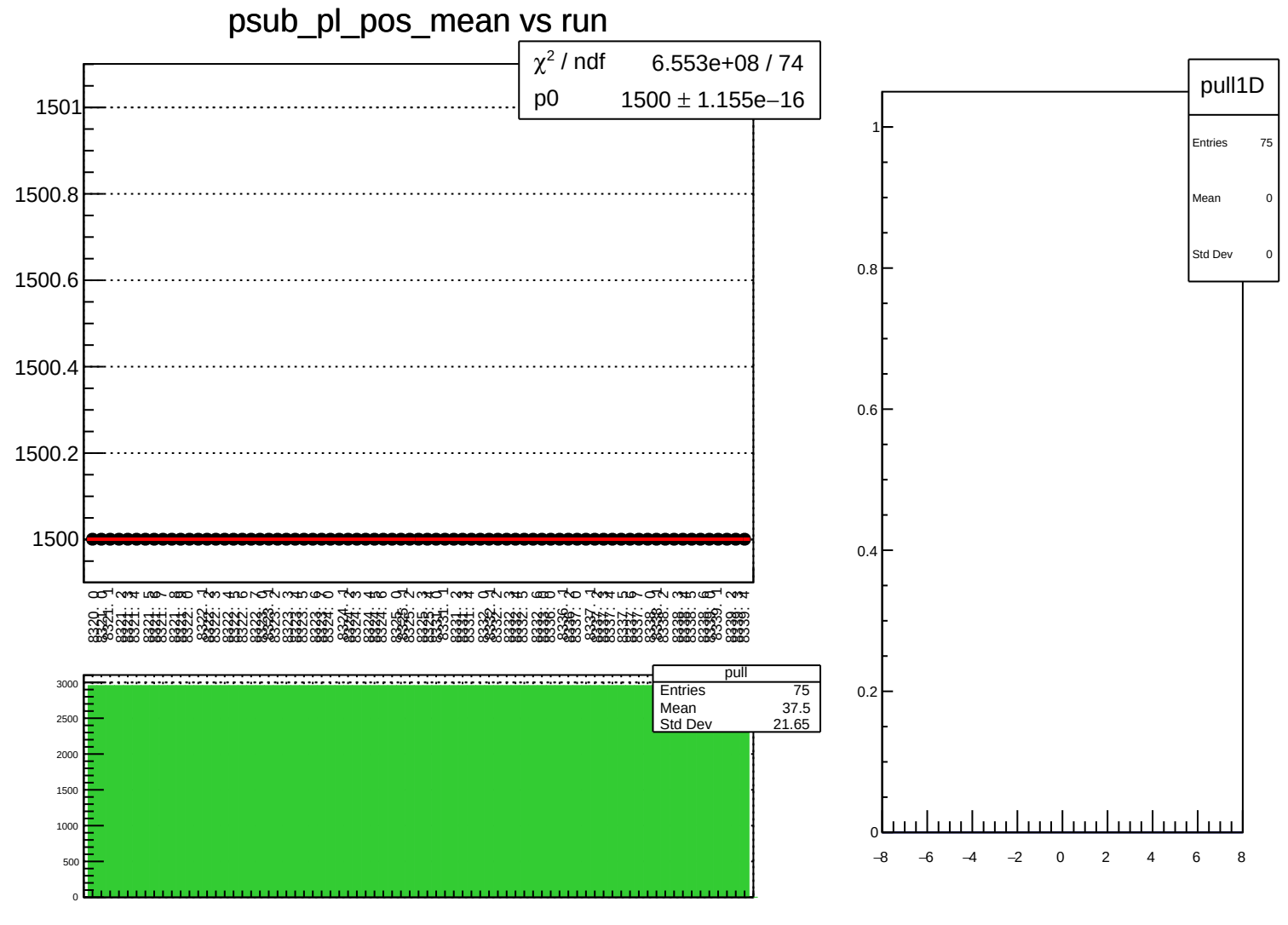

pull1D
Entries 75
Mean 0.01214
Std Dev 4.939e−10

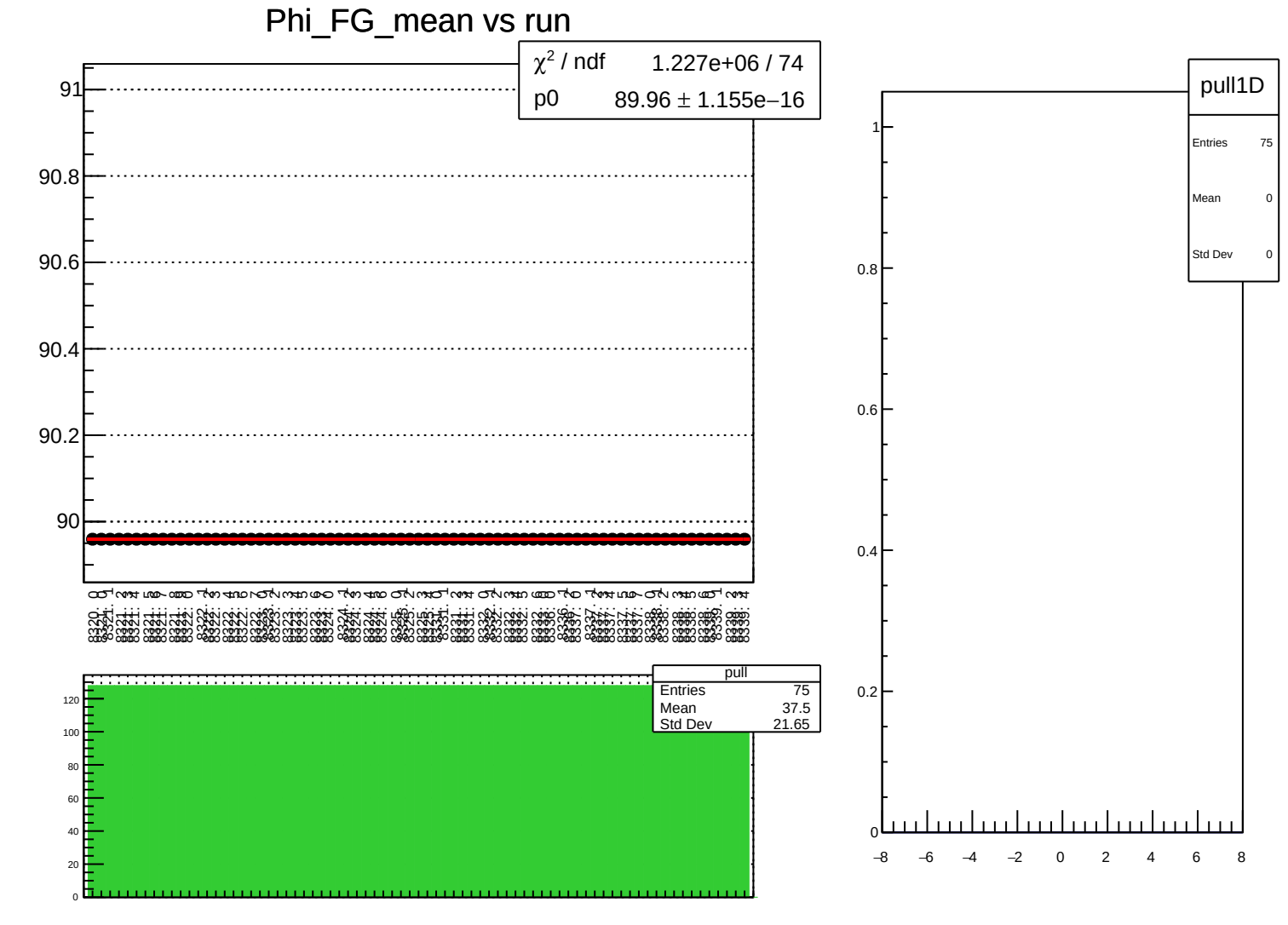

MSUPERBIGBITEreadcalc_mean vs run
×10⁻³
χ² / ndf 0.01106 / 74
p0 0.009375 ± 1.155e−16
pull
Entries 75
Mean 37.5
Std Dev 21.65

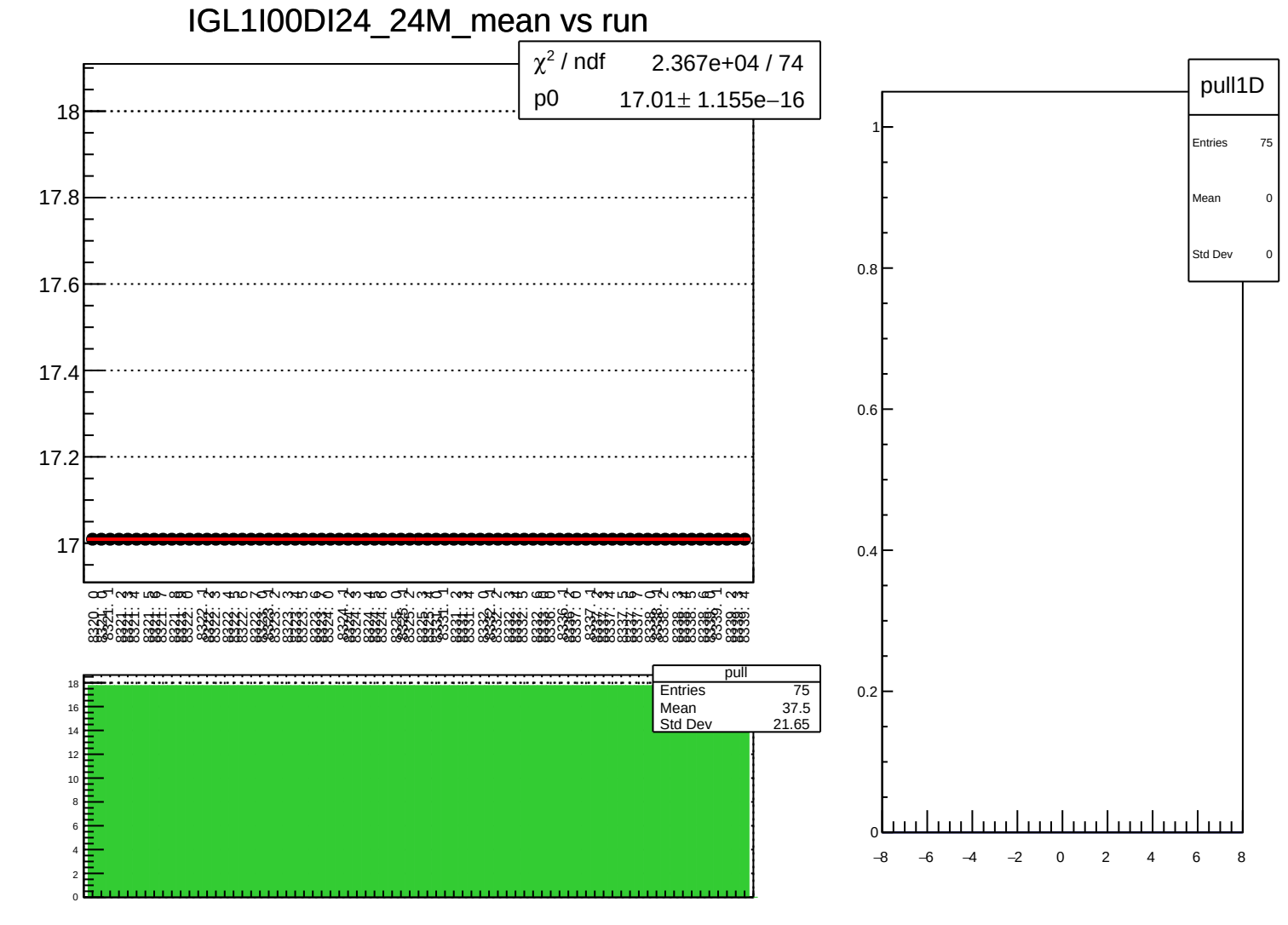

pull1D
Entries 75
Mean 0.01214
Std Dev 4.939e−10

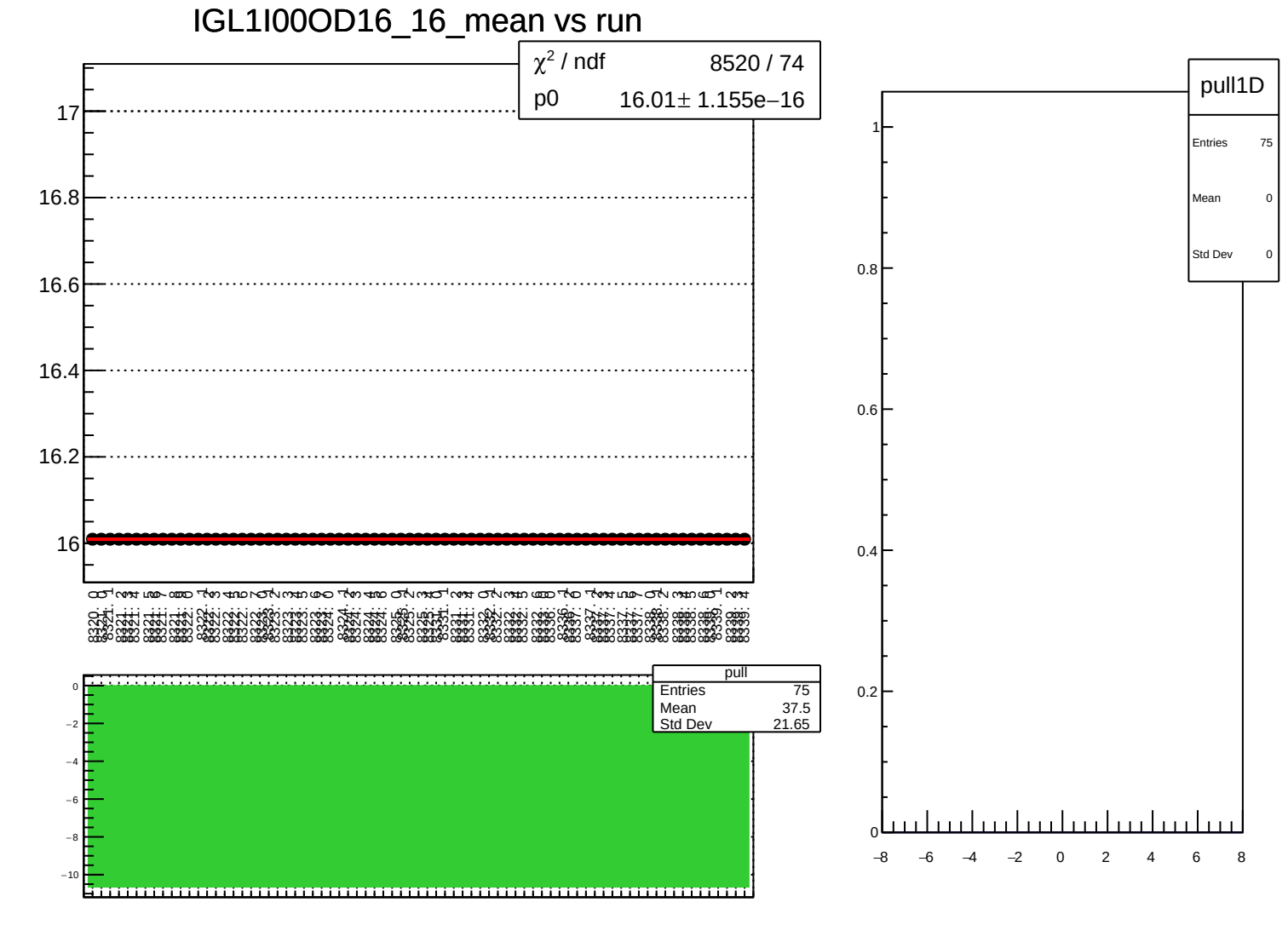

VWienAngle_mean vs run
χ² / ndf 1.515e+04 / 74
p0 88 ± 1.155e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 75
Mean 37.5
Std Dev 21.65
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

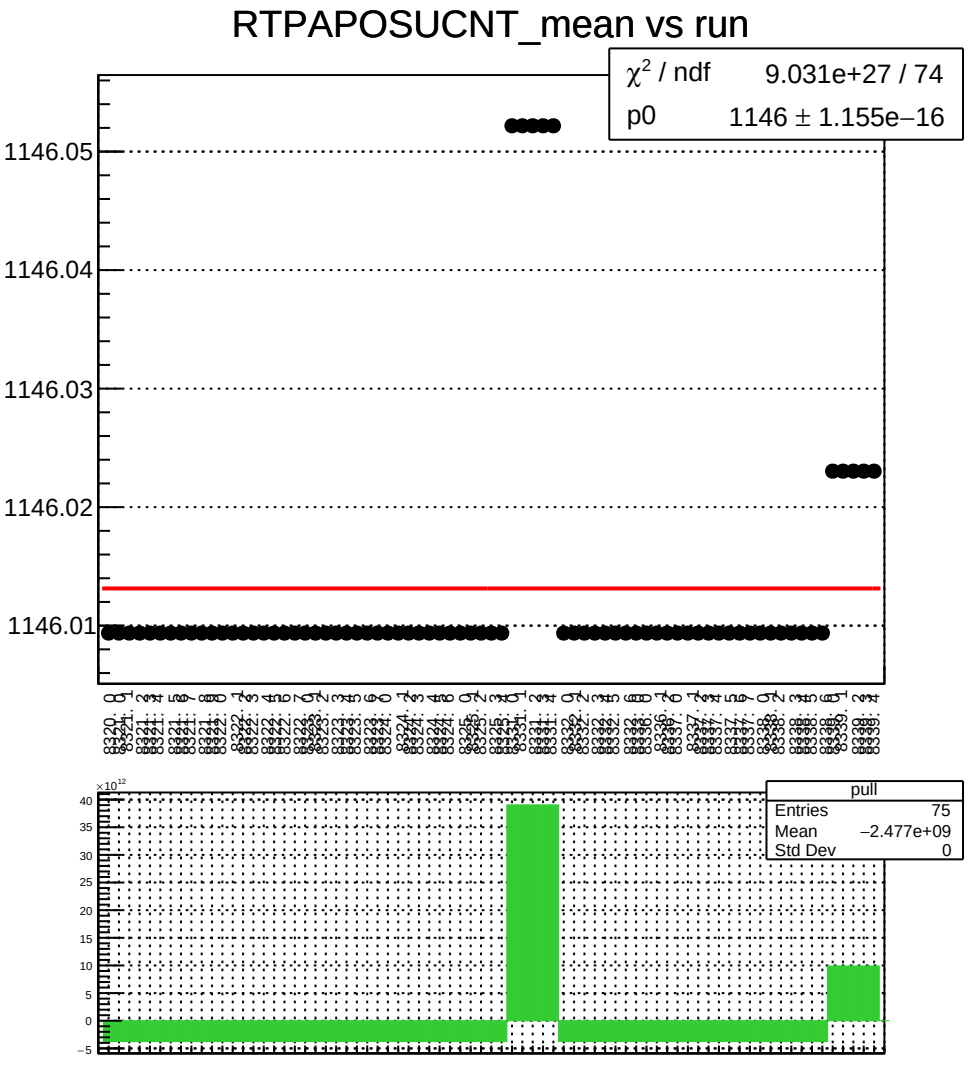

HWienAngle_mean vs run
χ² / ndf 3.417e+05 / 74
p0 −29.64 ± 1.155e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 75
Mean 37.5
Std Dev 21.65
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

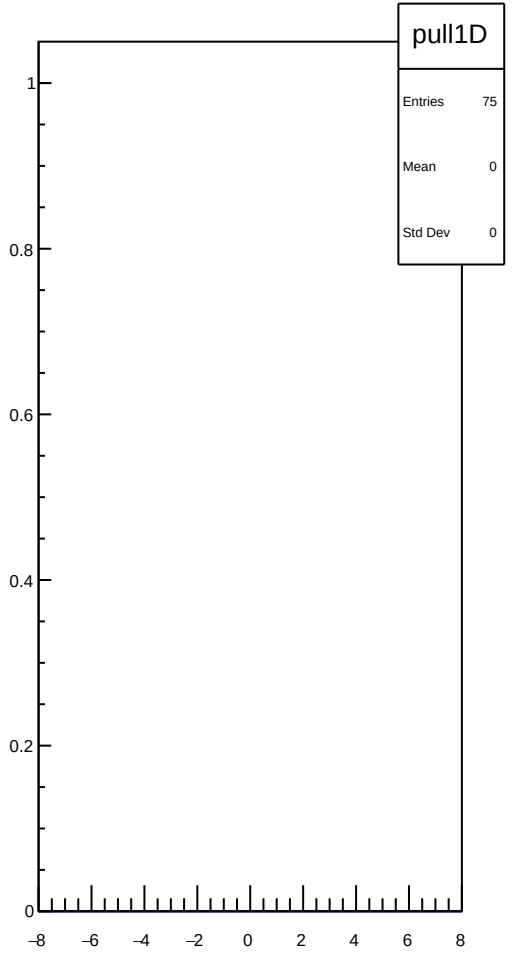

psub_pl_pos_mean vs run
χ² / ndf 6.553e+08 / 74
p0 1500 ± 1.155e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 75
Mean 37.5
Std Dev 21.65
3000
2500
2000
1500
1000
500
0
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

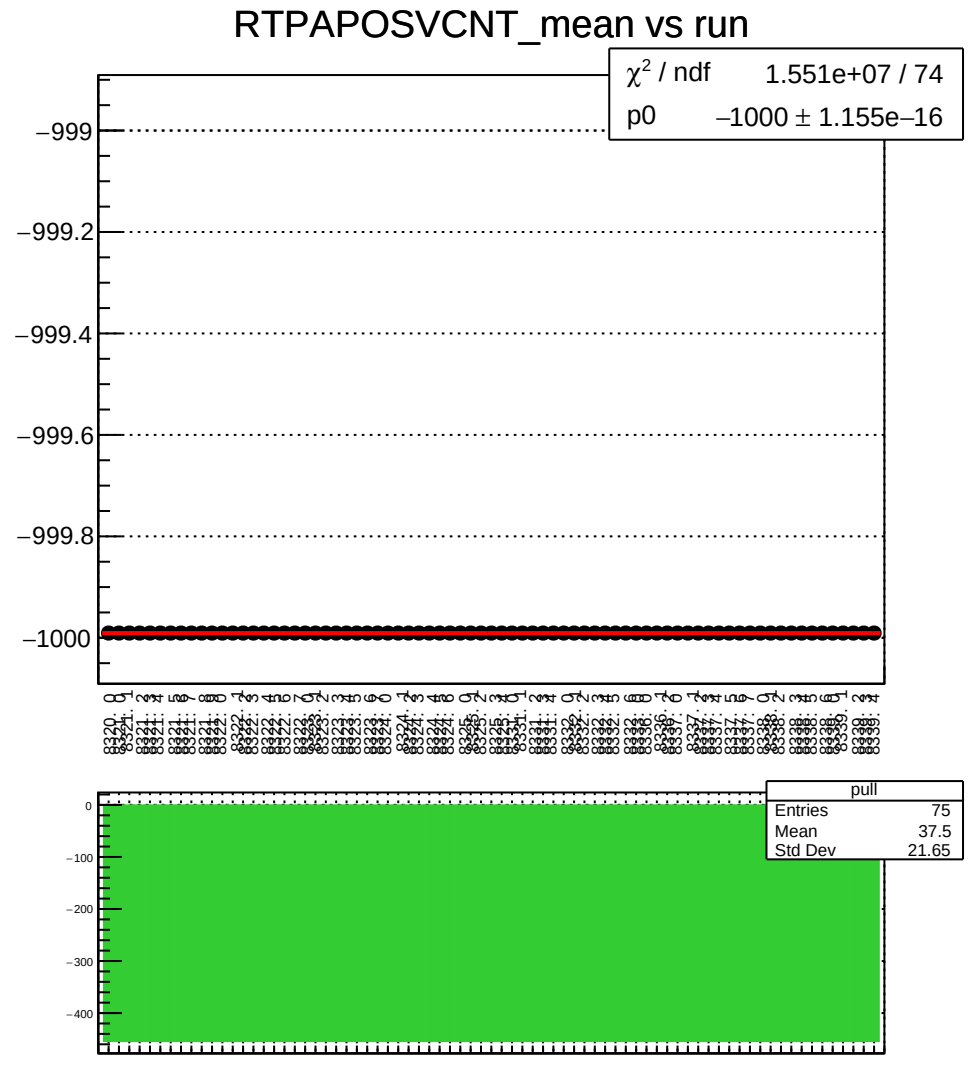

Phi_FG_mean vs run
χ² / ndf 1.227e+06 / 74
p0 89.96 ± 1.155e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 75
Mean 37.5
Std Dev 21.65
120
100
80
60
40
20
0
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

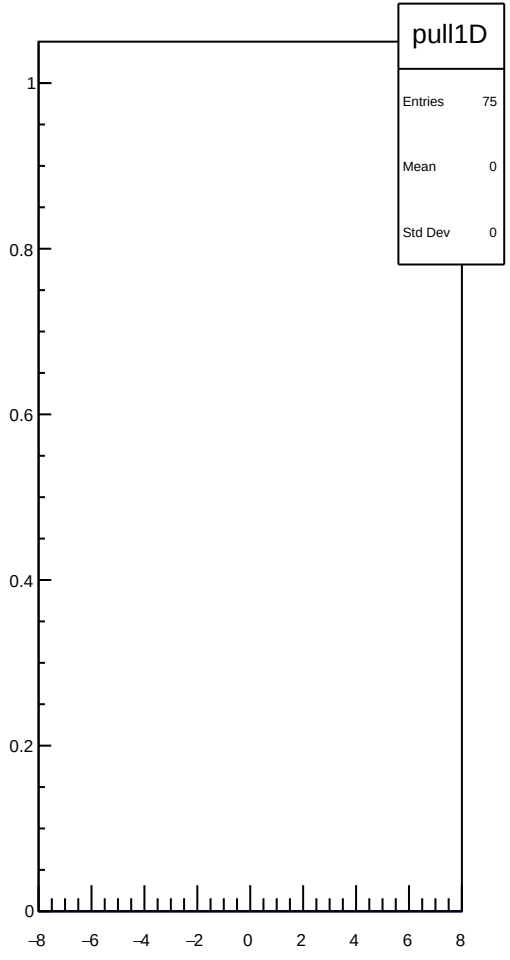

IGL1I00DI24_24M_mean vs run
χ² / ndf 2.367e+04 / 74
p0 17.01± 1.155e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 75
Mean 37.5
Std Dev 21.65
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

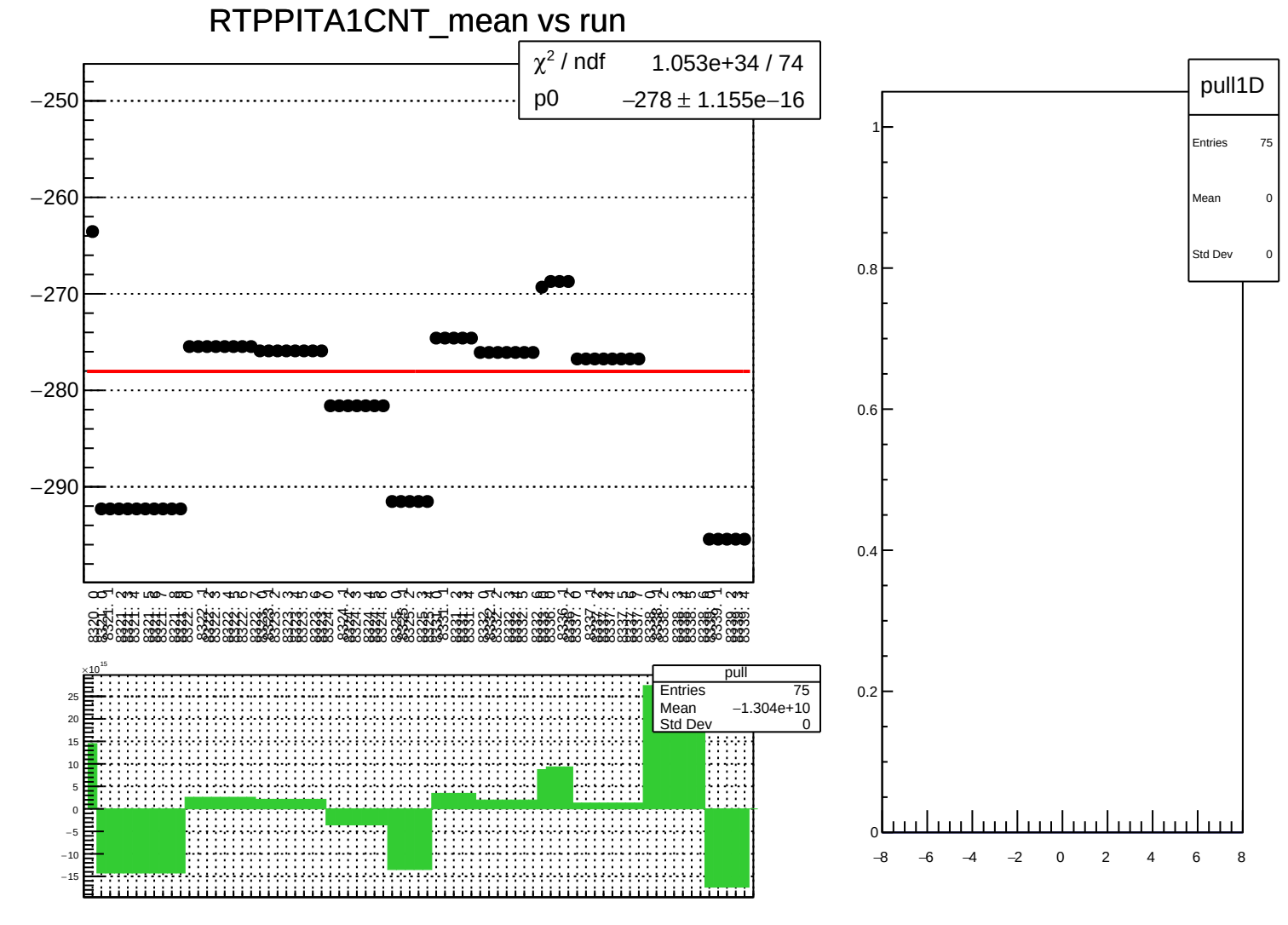

IGL1I00OD16_16_mean vs run
χ² / ndf 8520 / 74
p0 16.01± 1.155e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 75
Mean 37.5
Std Dev 21.65
0
−2
−4
−6
−8
−10
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

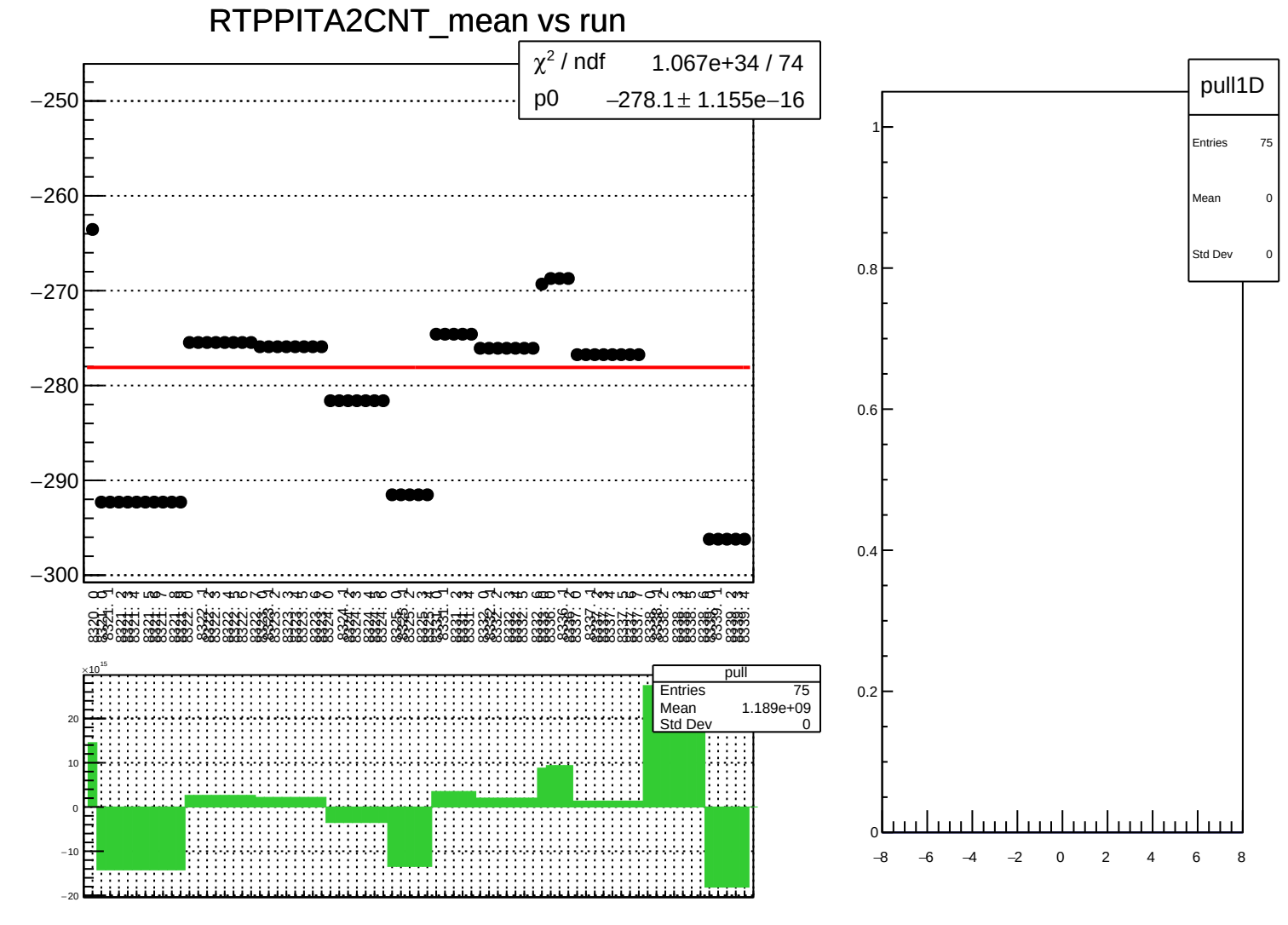

RTPAPOSUCNT_mean vs run
χ² / ndf 9.031e+27 / 74
p0 1146 ± 1.155e−16
1146.05
1146.04
1146.03
1146.02
1146.01
pull
Entries 75
Mean −2.477e+09
Std Dev 0
×10¹²
40
35
30
25
20
15
10
5
0
−5


pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 1.551e+07 / 74
p0 −1000 ± 1.155e−16
−999
−999.2
−999.4
−999.6
−999.8
−1000
pull
Entries 75
Mean 37.5
Std Dev 21.65
0
−100
−200
−300
−400


pull1D
Entries 75
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 1.053e+34 / 74
p0 −278 ± 1.155e−16
−250
−260
−270
−280
−290
pull
Entries 75
Mean −1.304e+10
Std Dev 0
×10¹⁵
25
20
15
10
5
0
−5
−10
−15
pull1D
Entries 75
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA2CNT_mean vs run
χ² / ndf 1.067e+34 / 74
p0 −278.1 ± 1.155e−16
pull
Entries 75
Mean 1.189e+09
Std Dev 0
pull1D
Entries 75
Mean 0
Std Dev 0