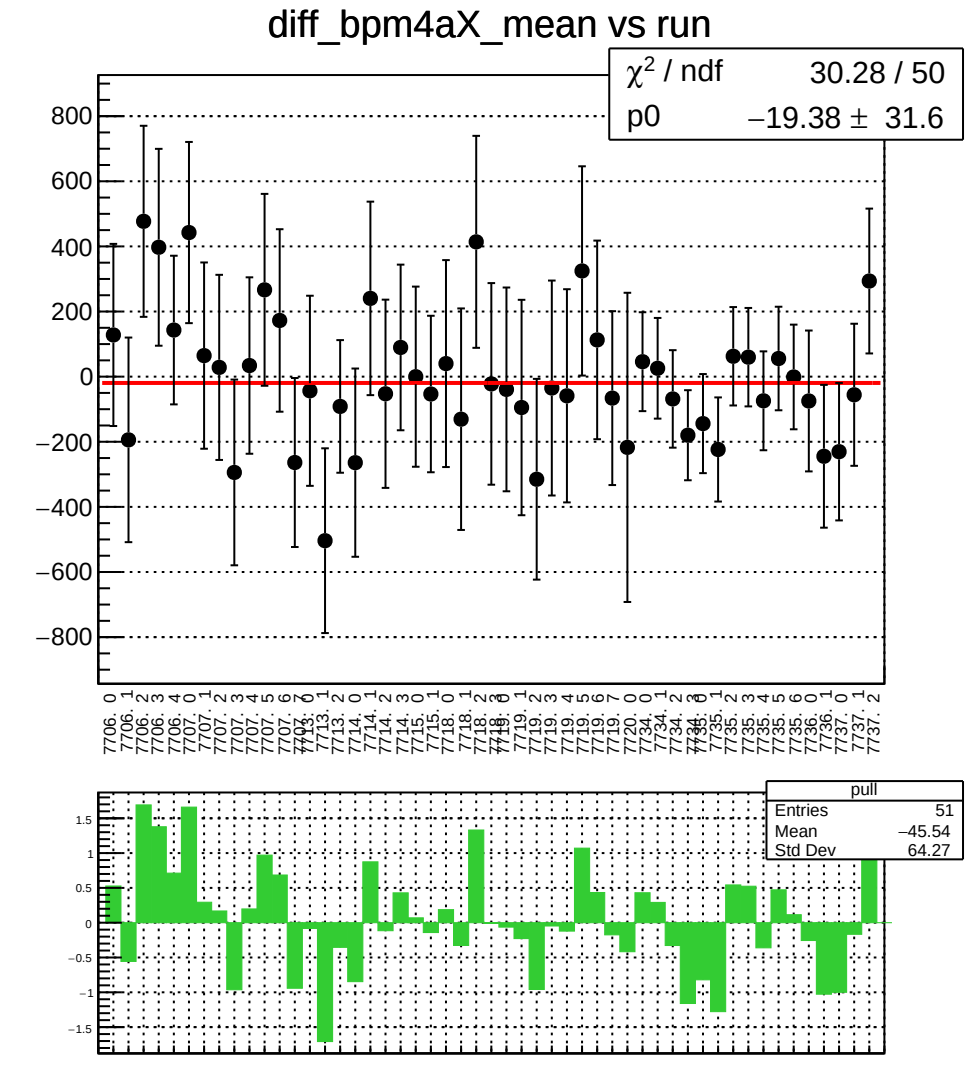
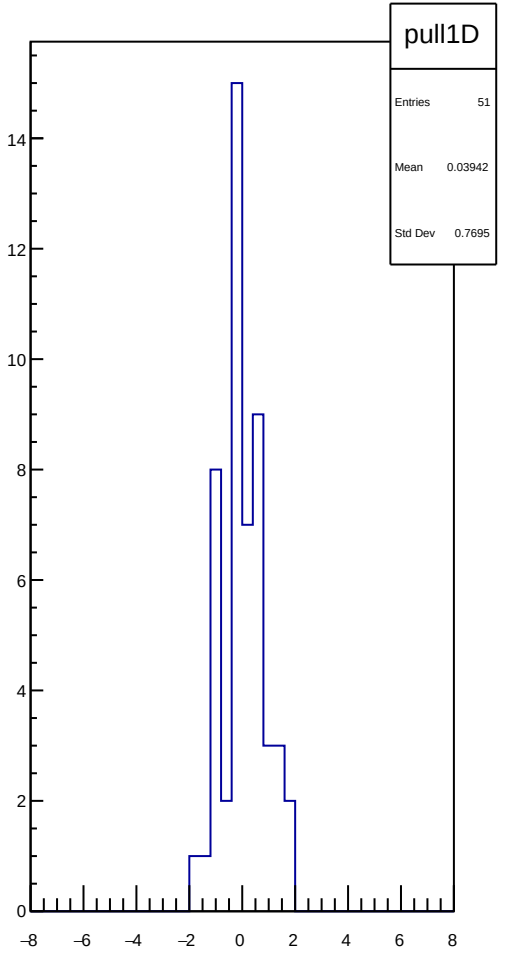
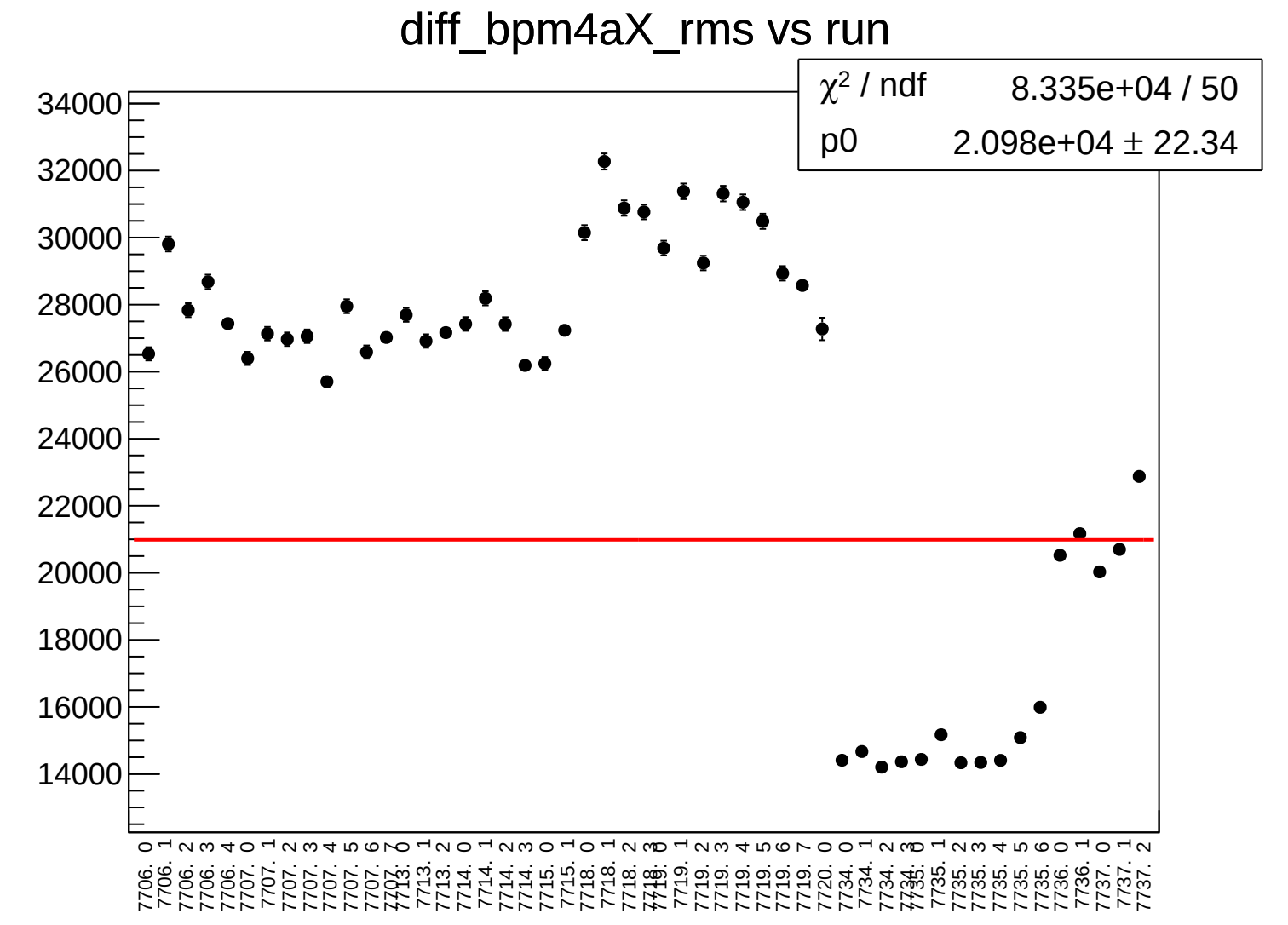
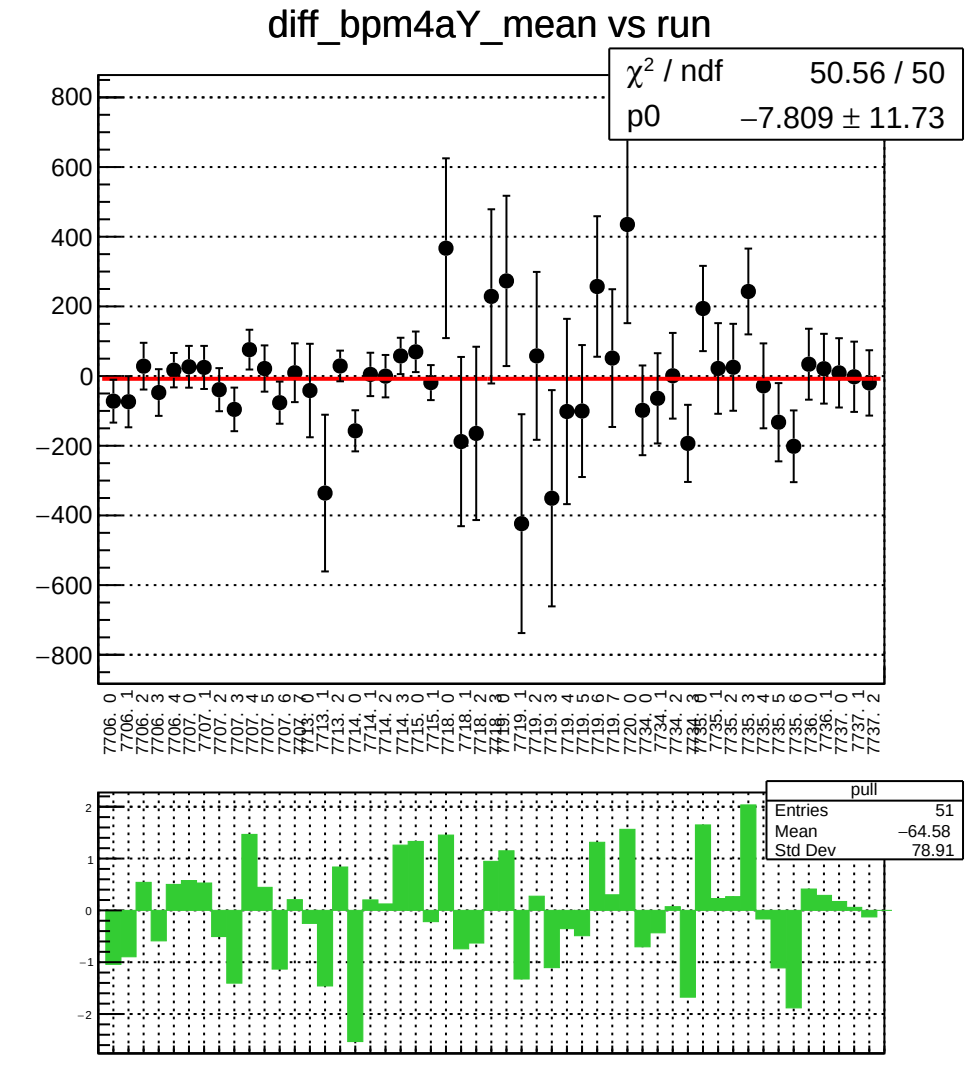
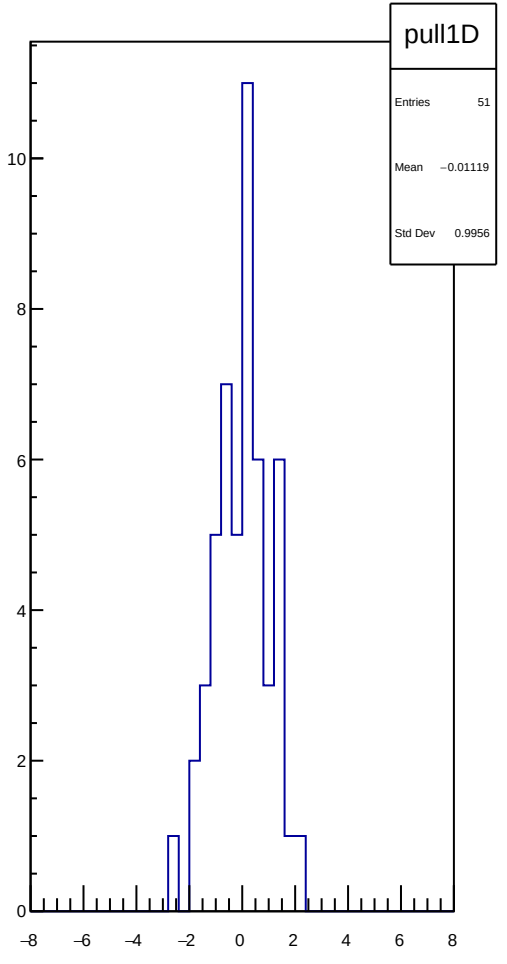
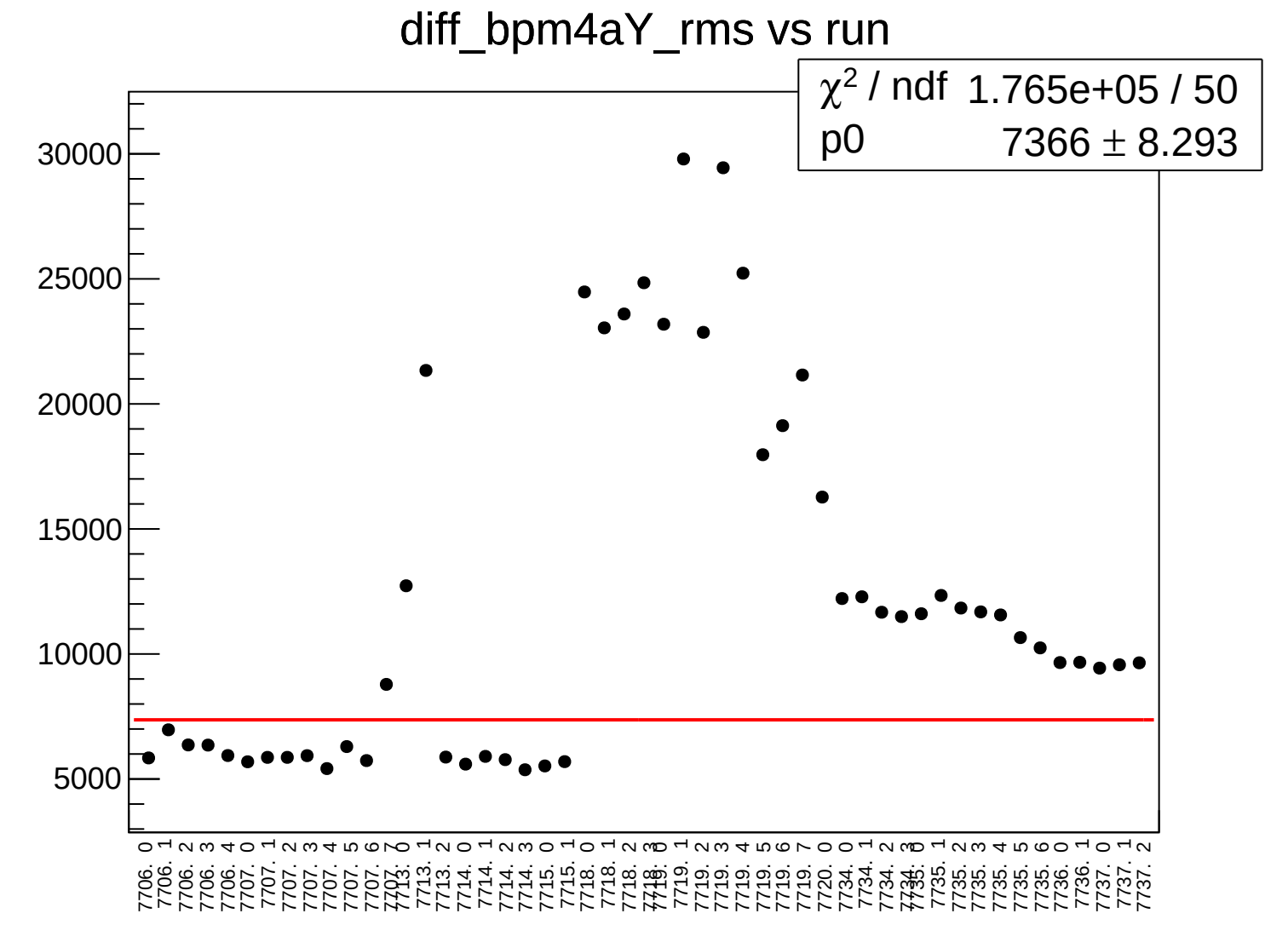

diff_bpm4aX_mean vs run
χ² / ndf 30.28 / 50
p0 −19.38 ± 31.6
pull
Entries 51
Mean −45.54
Std Dev 64.27

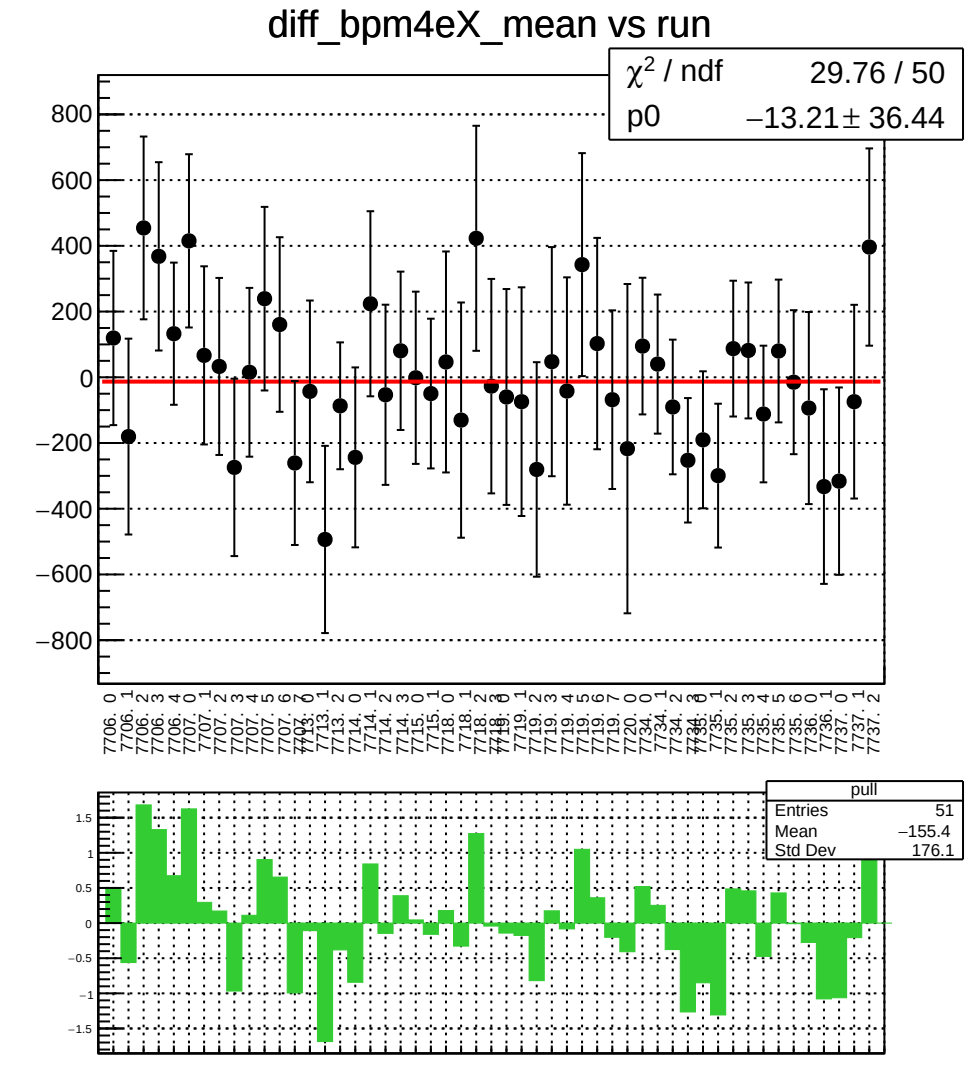

pull1D
Entries 51
Mean 0.03942
Std Dev 0.7695

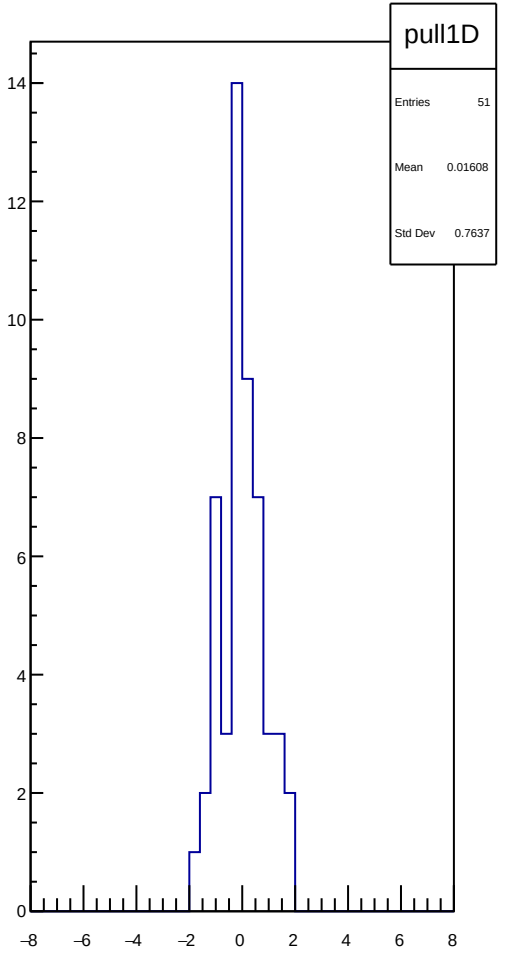

diff_bpm4aX_rms vs run
χ² / ndf 8.335e+04 / 50
p0 2.098e+04 ± 22.34
34000
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

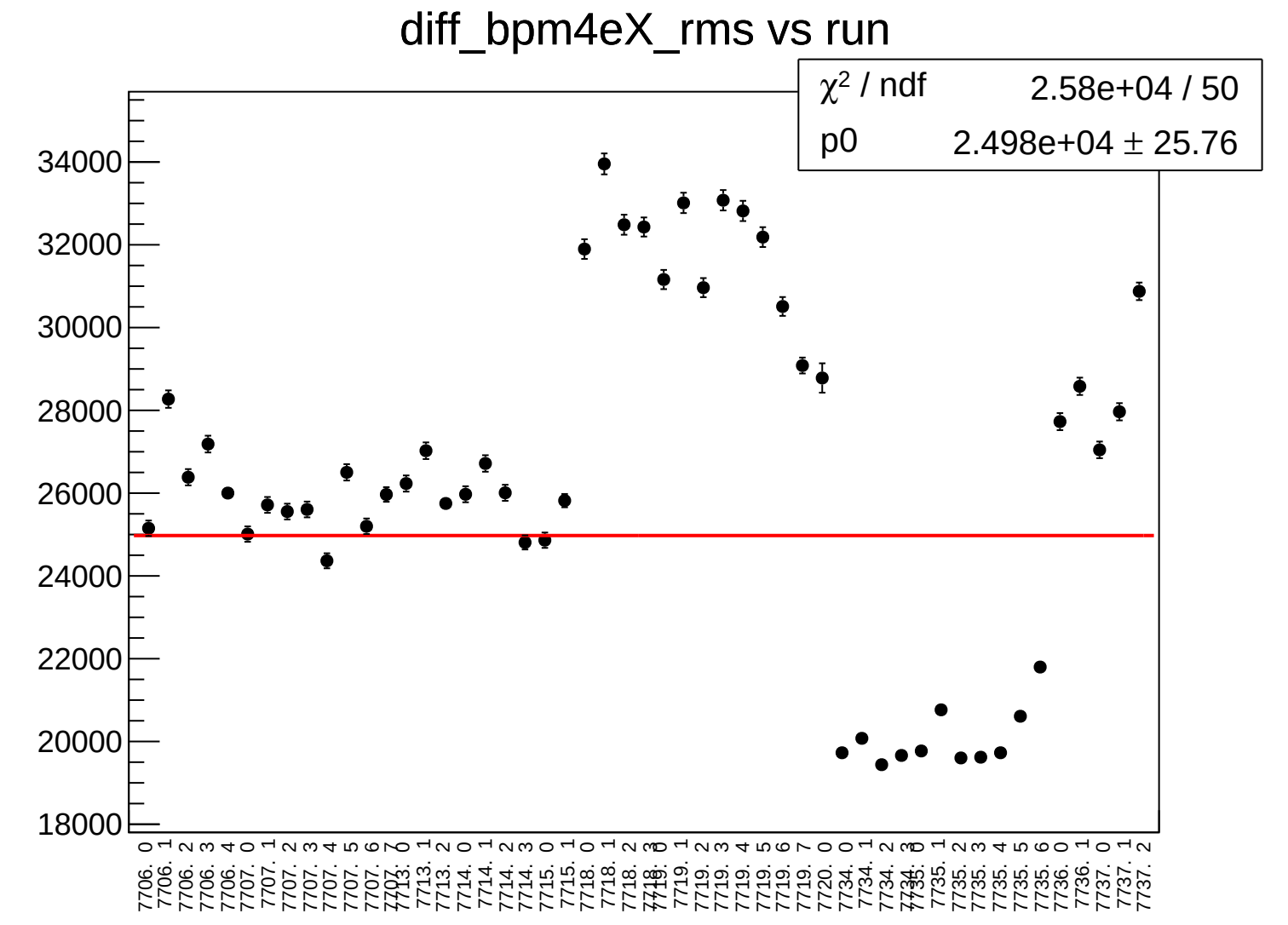

diff_bpm4aY_mean vs run
χ² / ndf 50.56 / 50
p0 −7.809 ± 11.73
pull
Entries 51
Mean −64.58
Std Dev 78.91

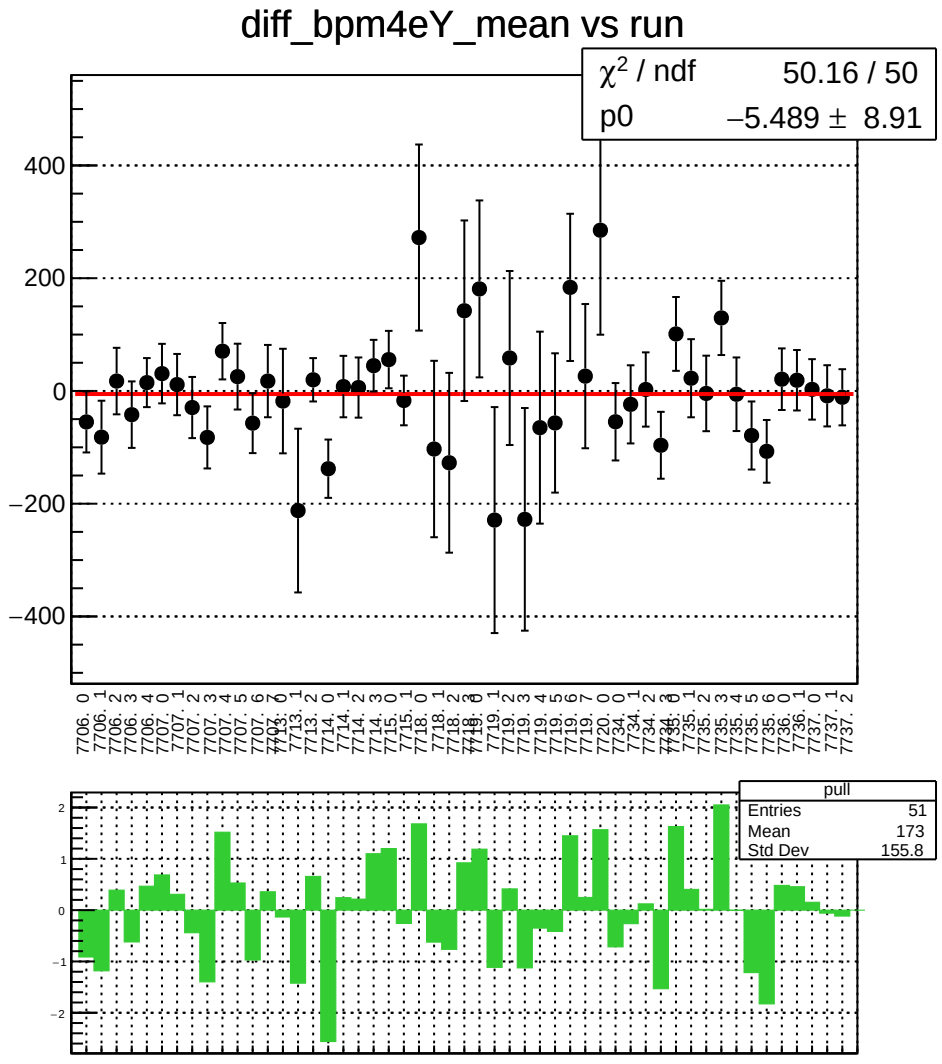

pull1D
Entries 51
Mean −0.01119
Std Dev 0.9956

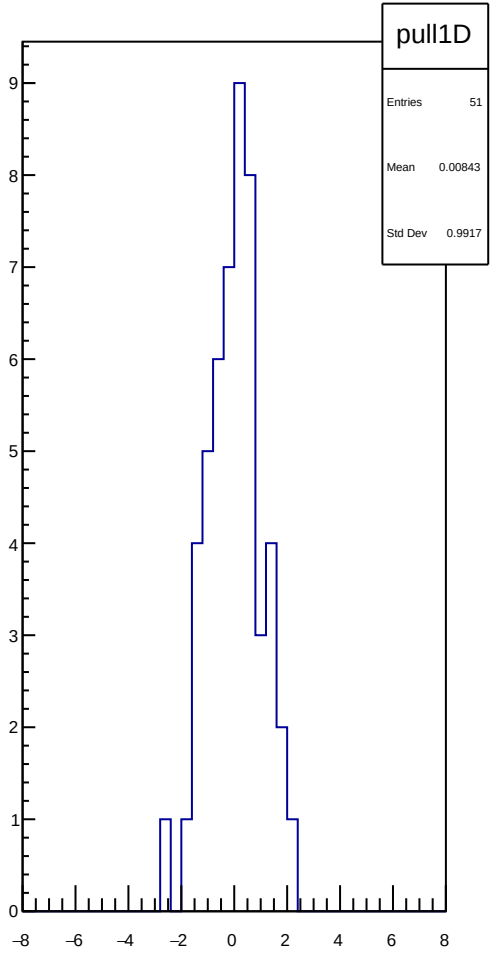

diff_bpm4aY_rms vs run
χ² / ndf 1.765e+05 / 50
p0 7366 ± 8.293
30000
25000
20000
15000
10000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

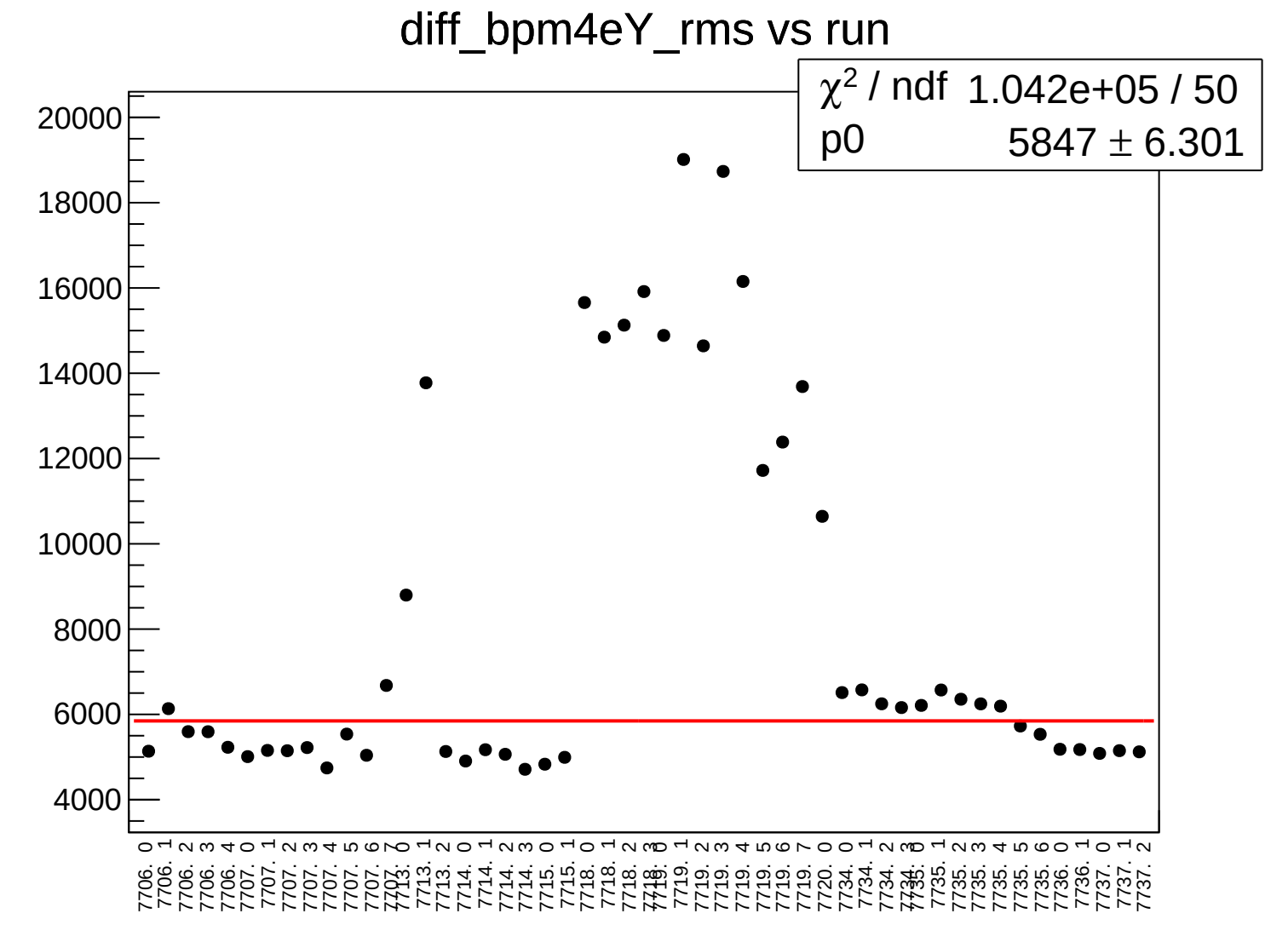

diff_bpm4eX_mean vs run
χ² / ndf 29.76 / 50
p0 −13.21± 36.44
pull
Entries 51
Mean −155.4
Std Dev 176.1

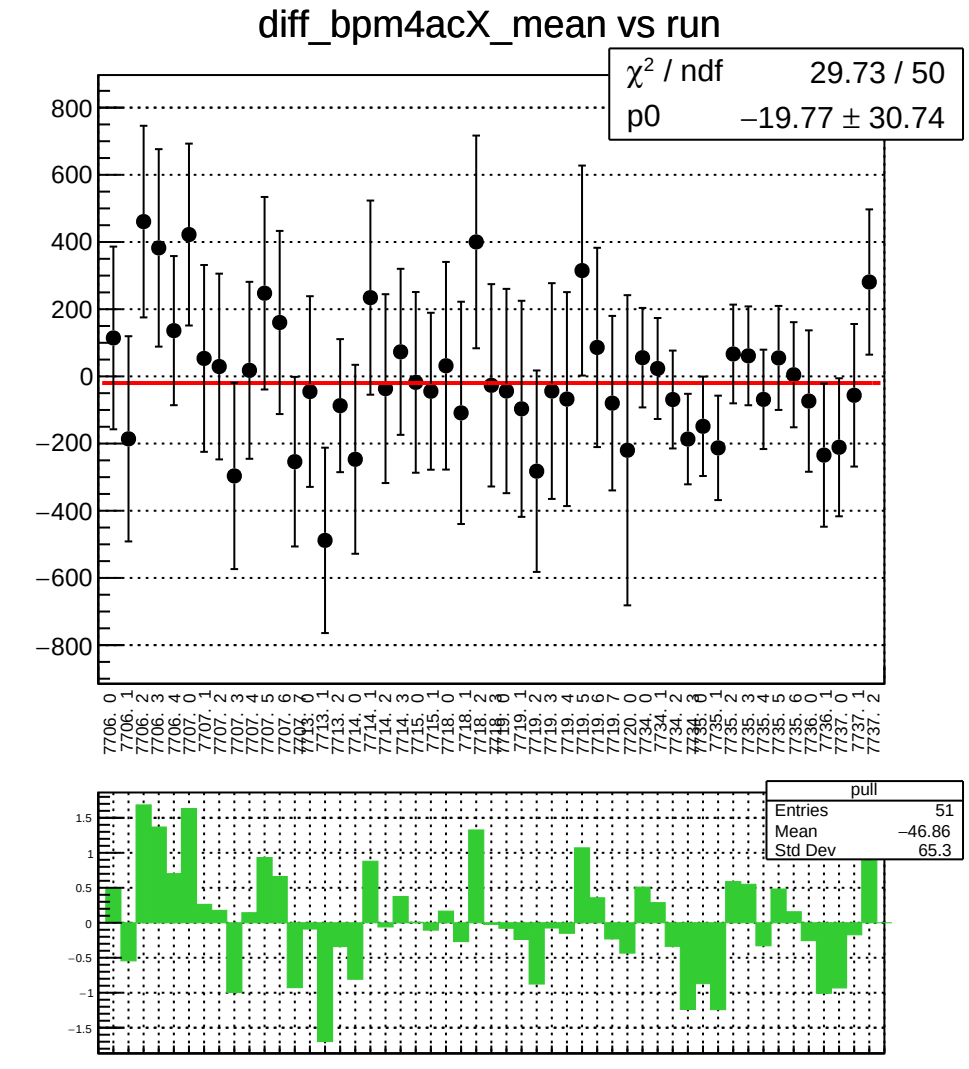

pull1D
Entries 51
Mean 0.01608
Std Dev 0.7637

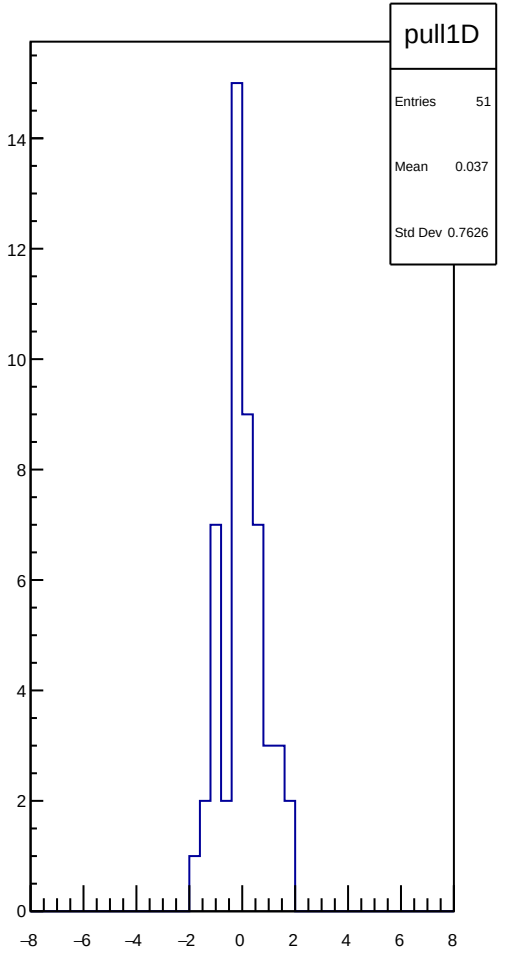

diff_bpm4eX_rms vs run
χ² / ndf 2.58e+04 / 50
p0 2.498e+04 ± 25.76
34000
32000
30000
28000
26000
24000
22000
20000
18000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

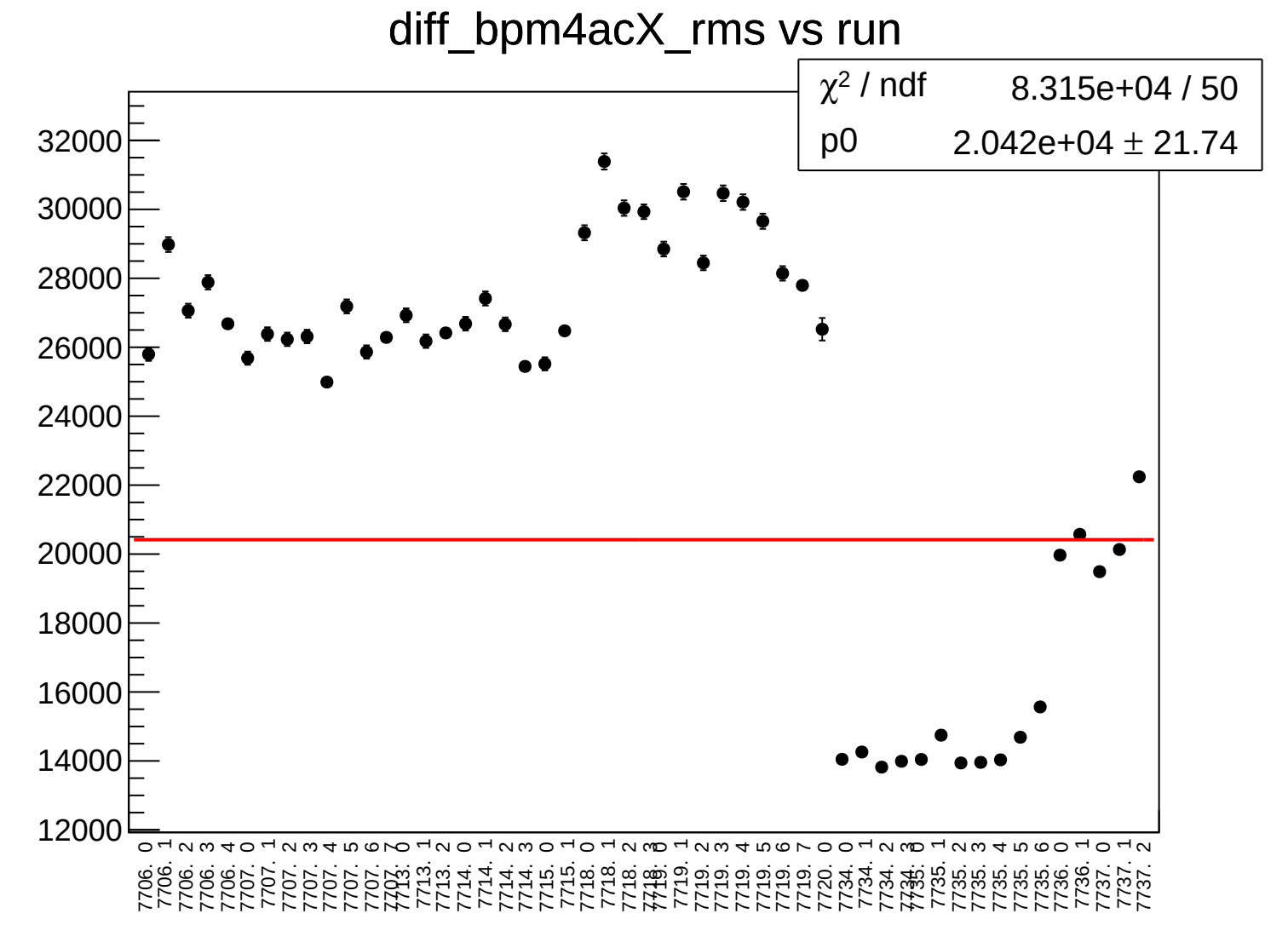

diff_bpm4eY_mean vs run
χ² / ndf 50.16 / 50
p0 −5.489 ± 8.91
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 173
Std Dev 155.8
2
1
0
−1
−2

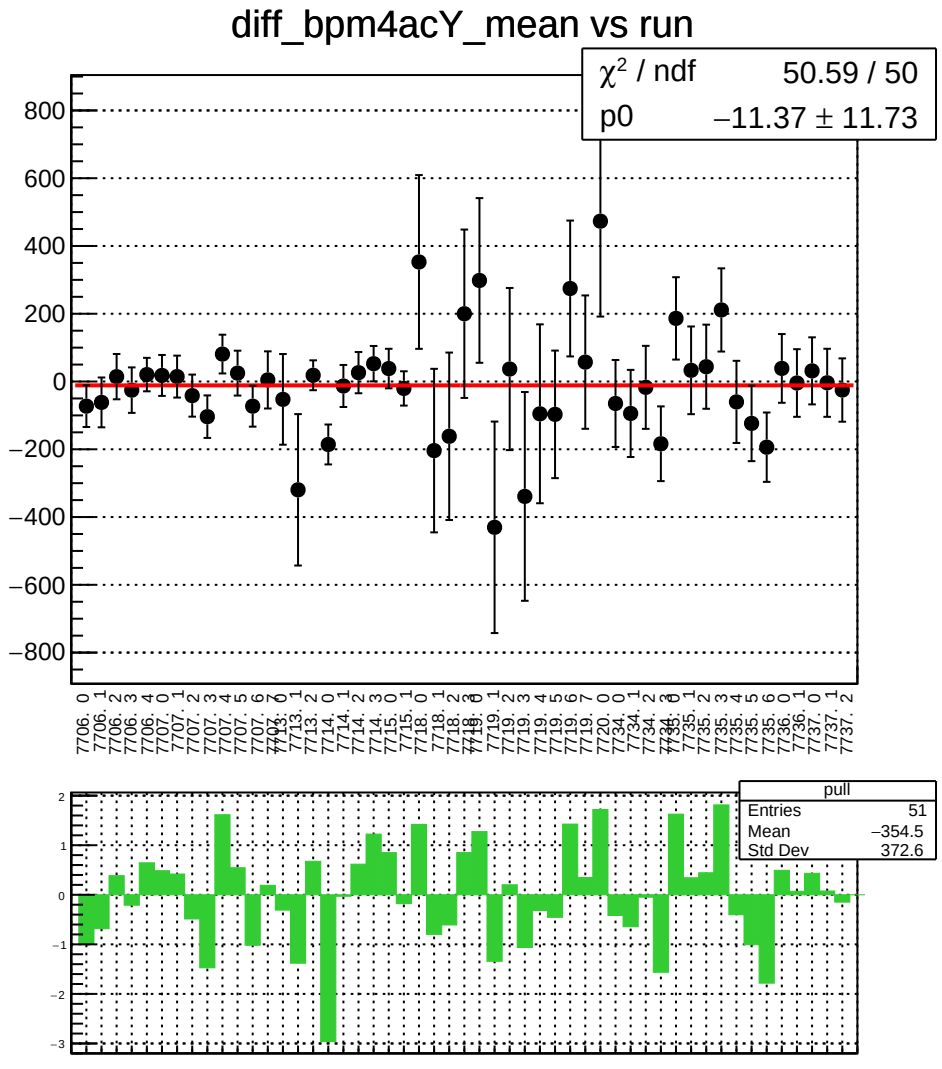

pull1D
Entries 51
Mean 0.00843
Std Dev 0.9917
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

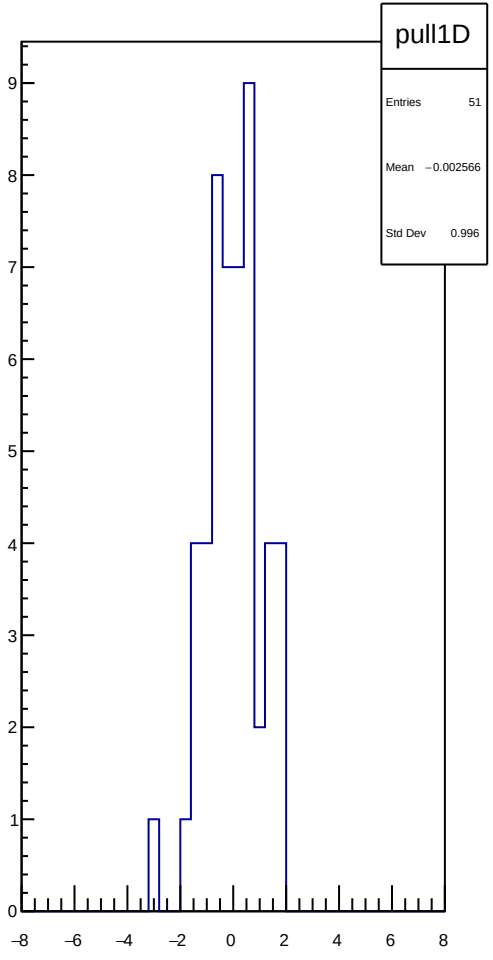

diff_bpm4eY_rms vs run
χ² / ndf 1.042e+05 / 50
p0 5847 ± 6.301
20000
18000
16000
14000
12000
10000
8000
6000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

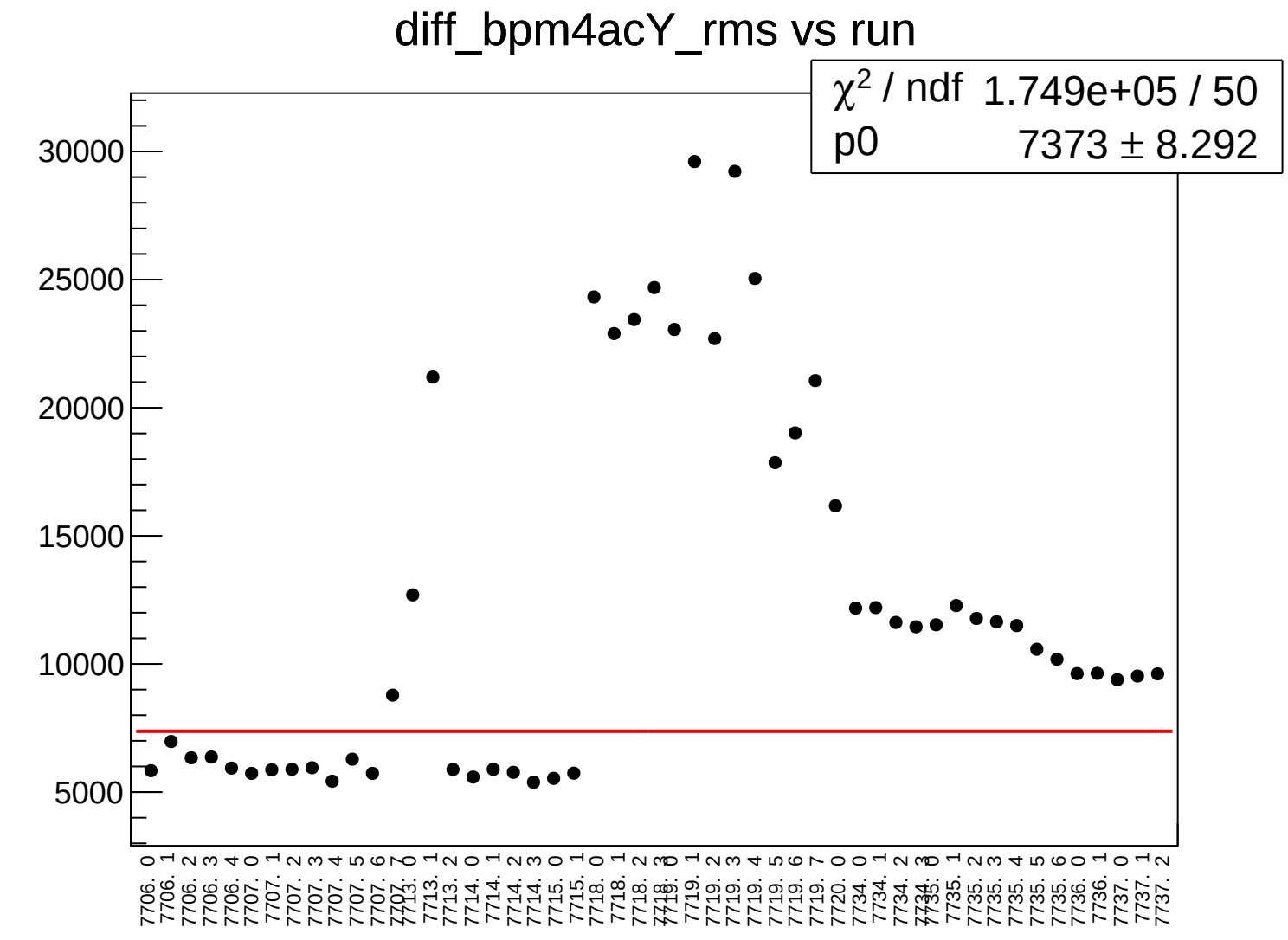

diff_bpm4acX_mean vs run
χ² / ndf 29.73 / 50
p0 −19.77 ± 30.74
pull
Entries 51
Mean −46.86
Std Dev 65.3

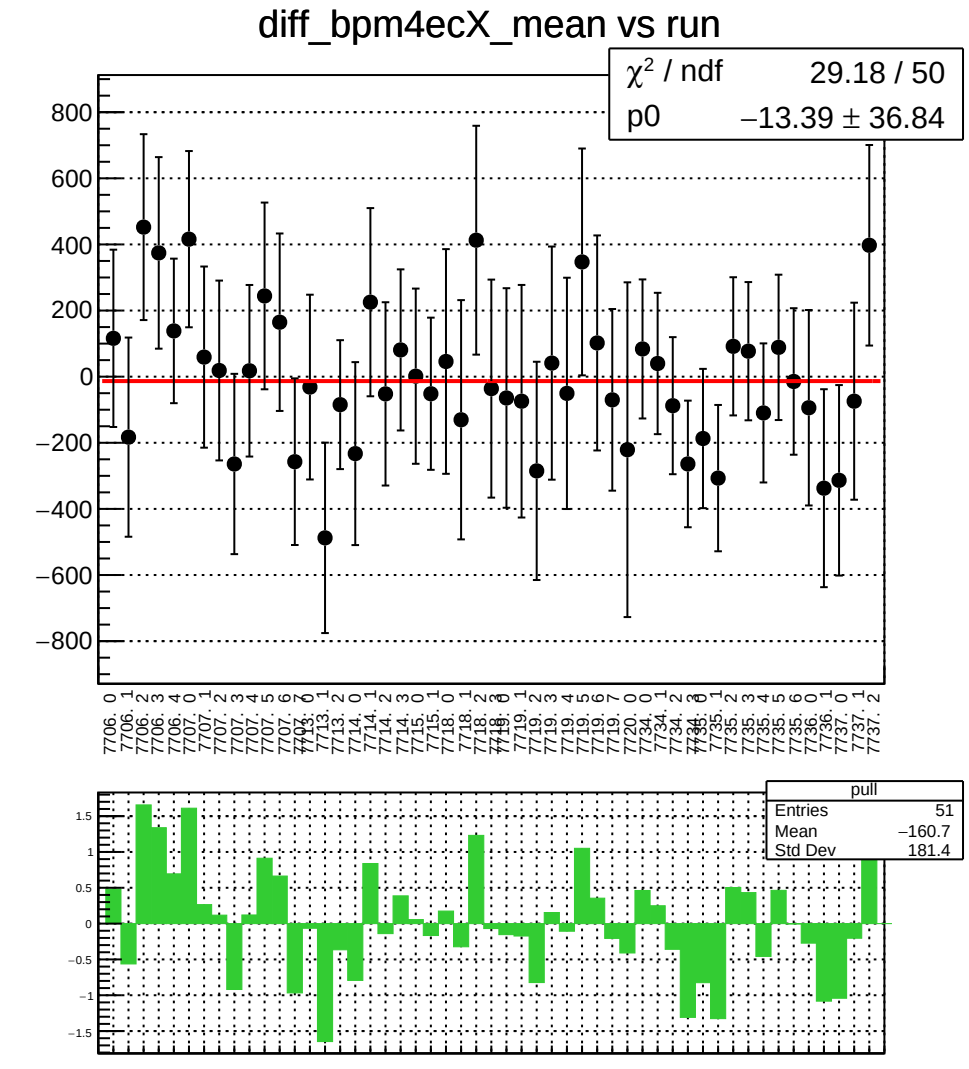

pull1D
Entries 51
Mean 0.037
Std Dev 0.7626

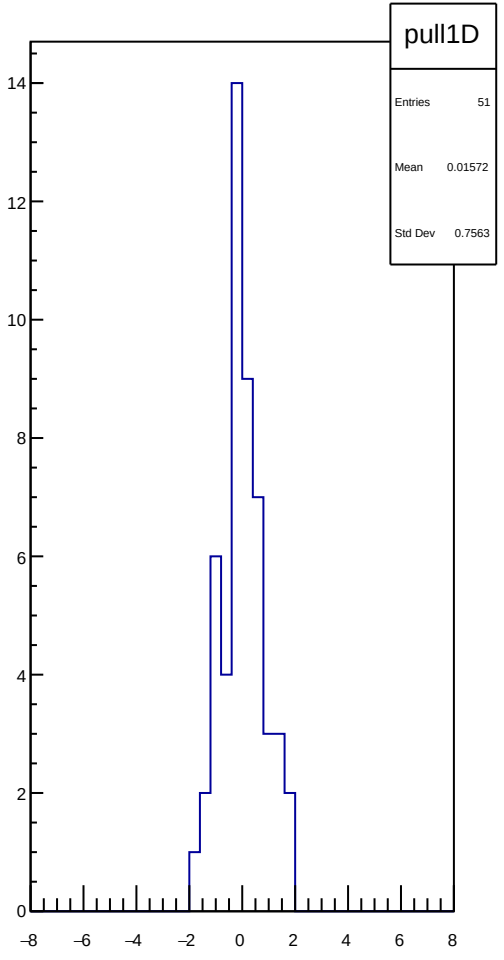

diff_bpm4acX_rms vs run
χ² / ndf 8.315e+04 / 50
p0 2.042e+04 ± 21.74
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

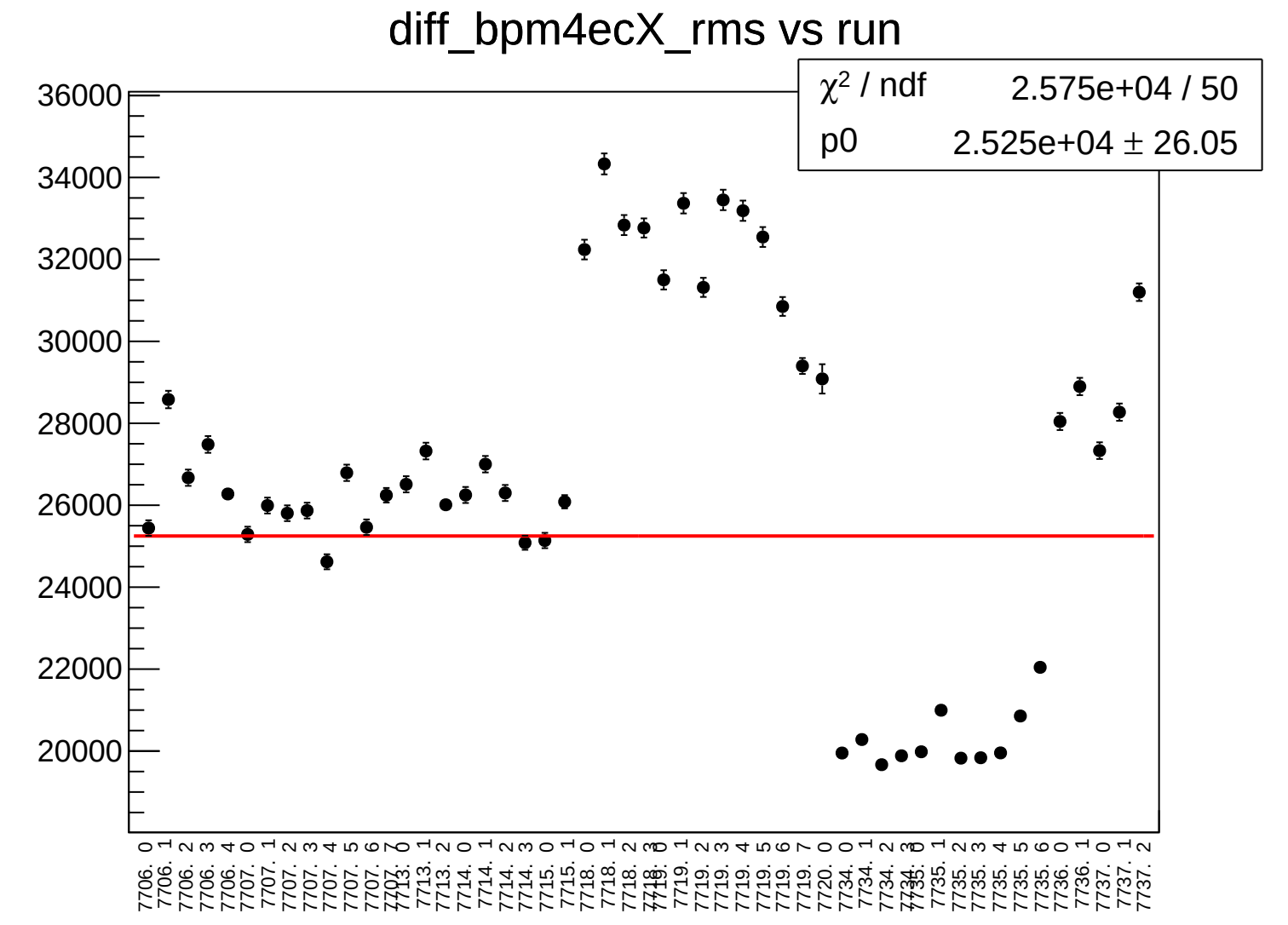

diff_bpm4acY_mean vs run
χ² / ndf 50.59 / 50
p0 −11.37 ± 11.73
pull
Entries 51
Mean −354.5
Std Dev 372.6

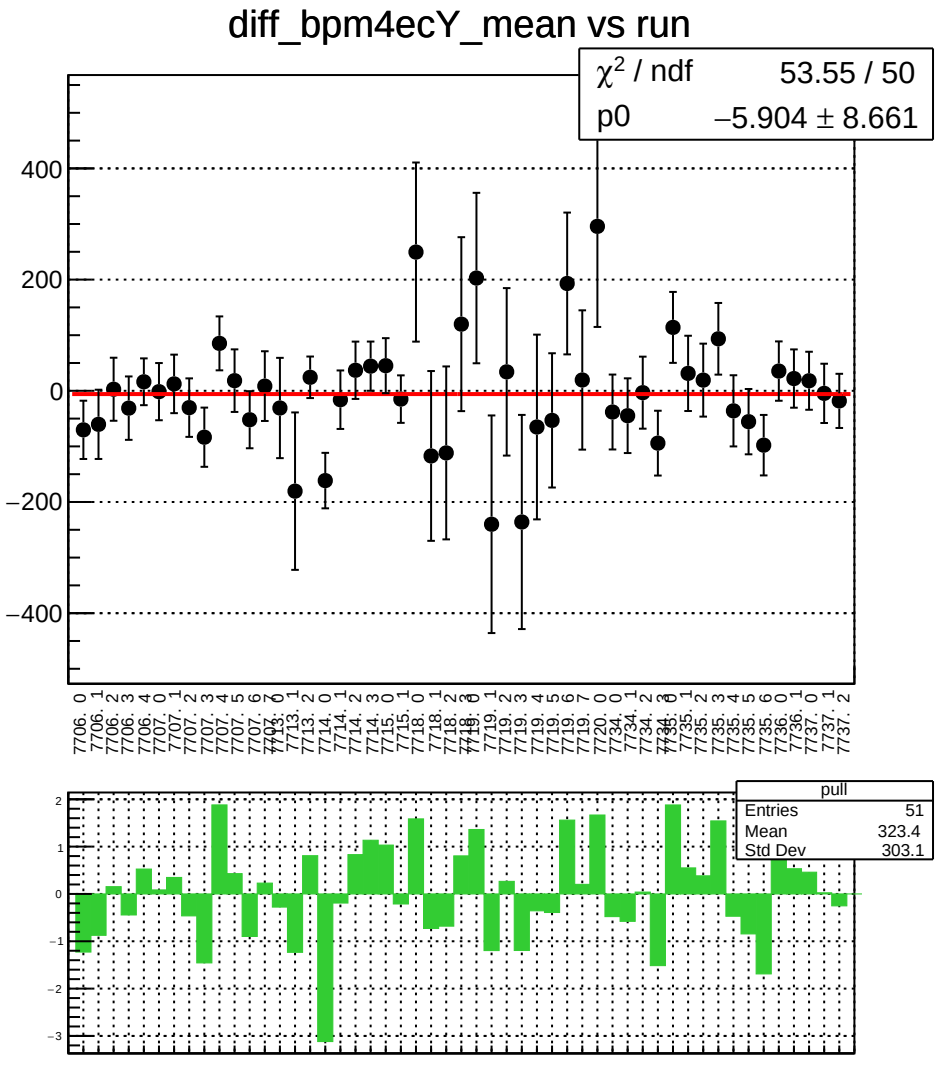

pull1D
Entries 51
Mean −0.002566
Std Dev 0.996

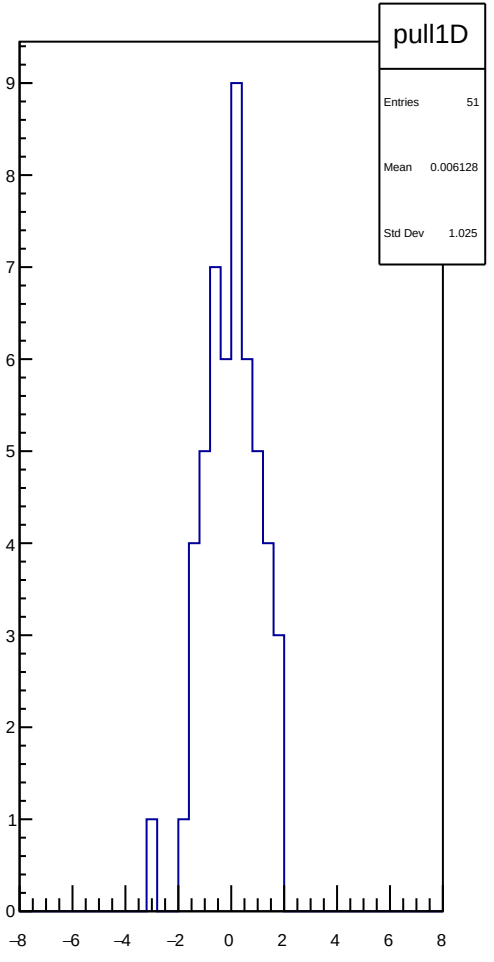

diff_bpm4acY_rms vs run
χ² / ndf 1.749e+05 / 50
p0 7373 ± 8.292
30000
25000
20000
15000
10000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

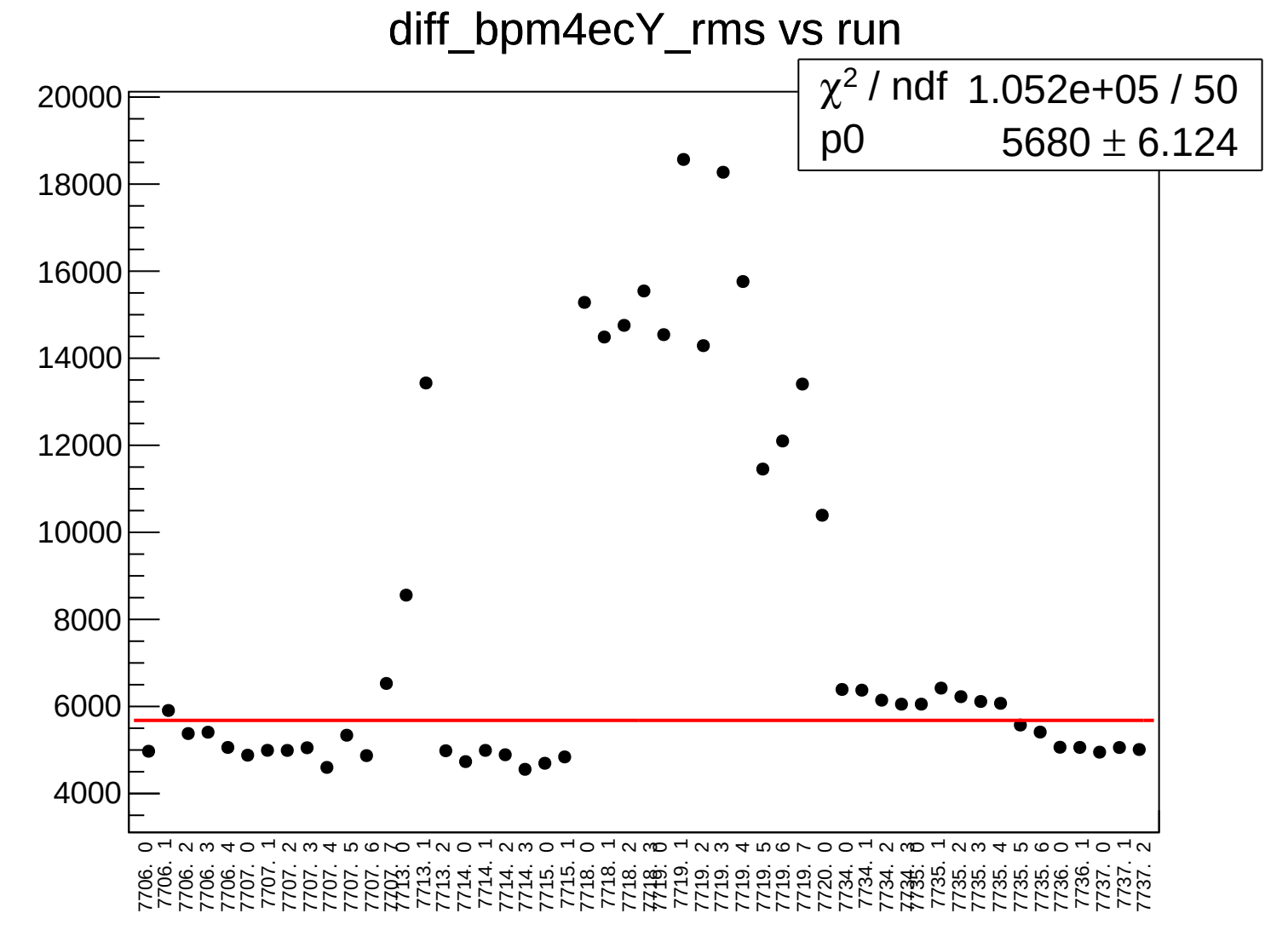

diff_bpm4ecX_mean vs run
χ² / ndf 29.18 / 50
p0 −13.39 ± 36.84
pull
Entries 51
Mean −160.7
Std Dev 181.4

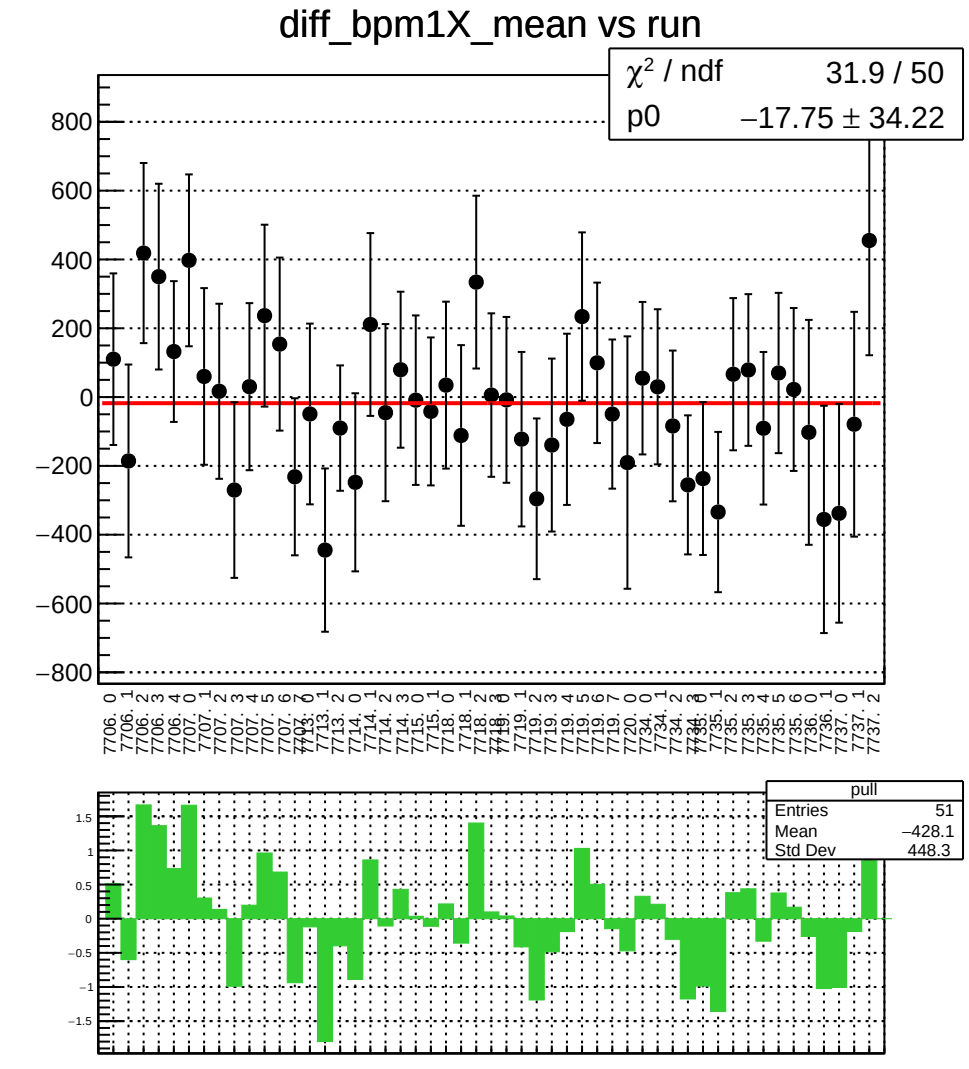

pull1D
Entries 51
Mean 0.01572
Std Dev 0.7563

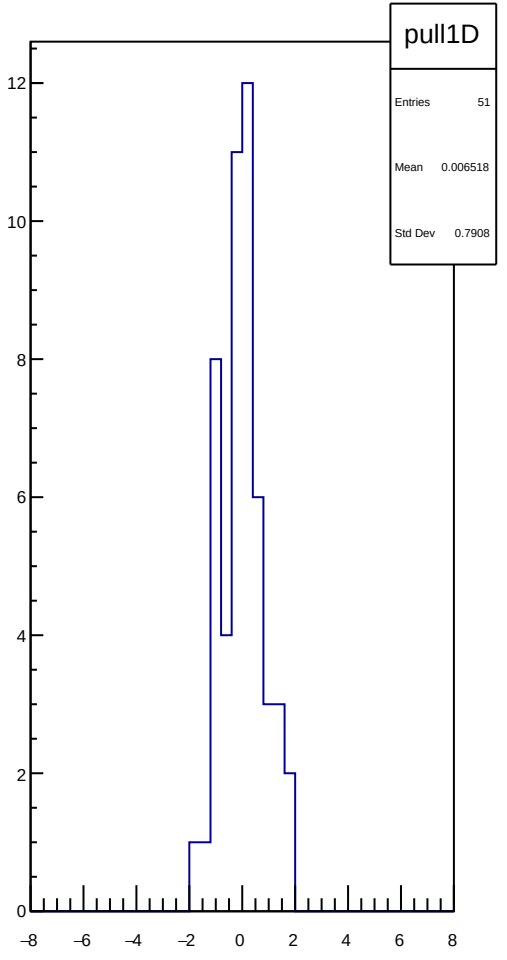

diff_bpm4ecX_rms vs run
χ² / ndf 2.575e+04 / 50
p0 2.525e+04 ± 26.05
36000
34000
32000
30000
28000
26000
24000
22000
20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

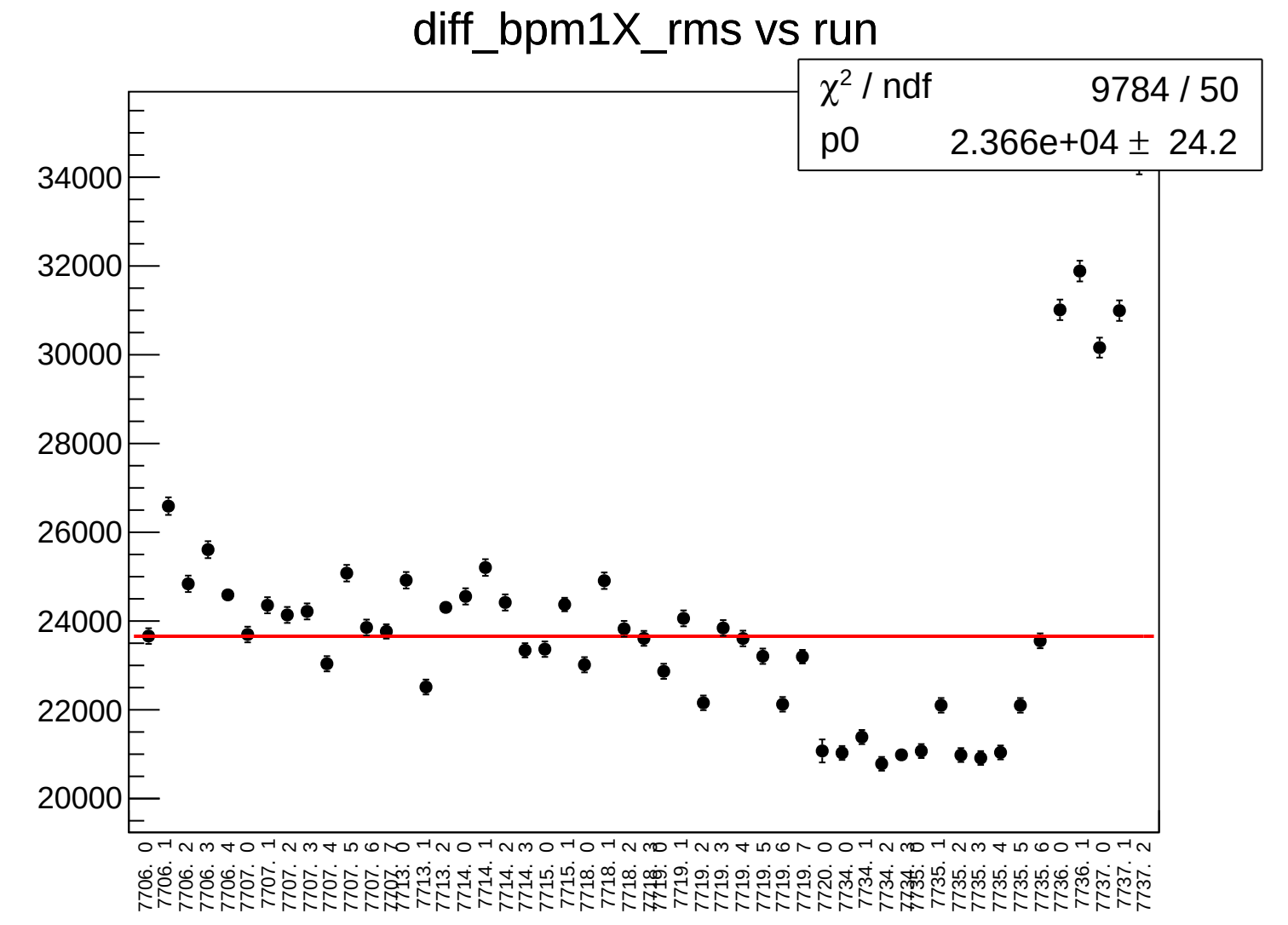

diff_bpm4ecY_mean vs run
χ² / ndf 53.55 / 50
p0 −5.904 ± 8.661
400
200
0
−200
−400
pull
Entries 51
Mean 323.4
Std Dev 303.1
2
1
0
−1
−2
−3

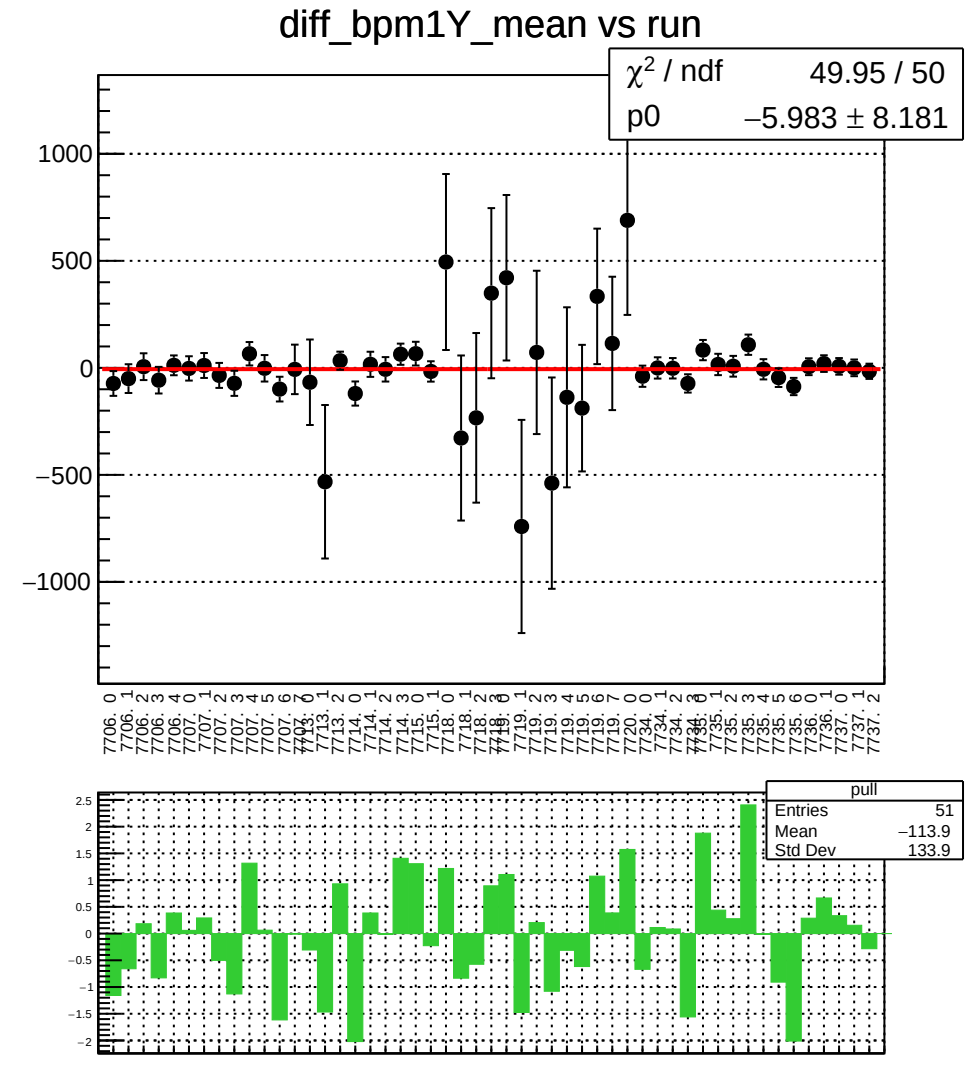

pull1D
Entries 51
Mean 0.006128
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

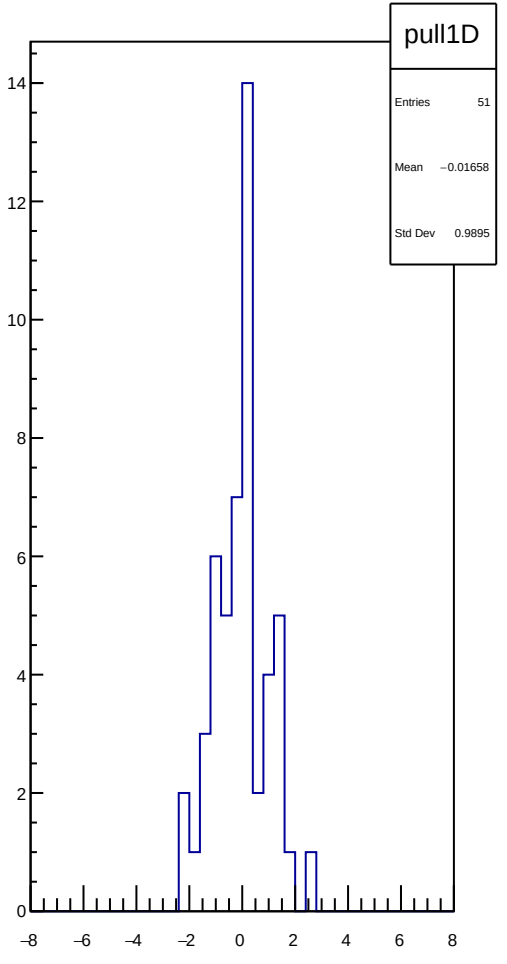

diff_bpm4ecY_rms vs run
χ² / ndf 1.052e+05 / 50
p0 5680 ± 6.124
20000
18000
16000
14000
12000
10000
8000
6000
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

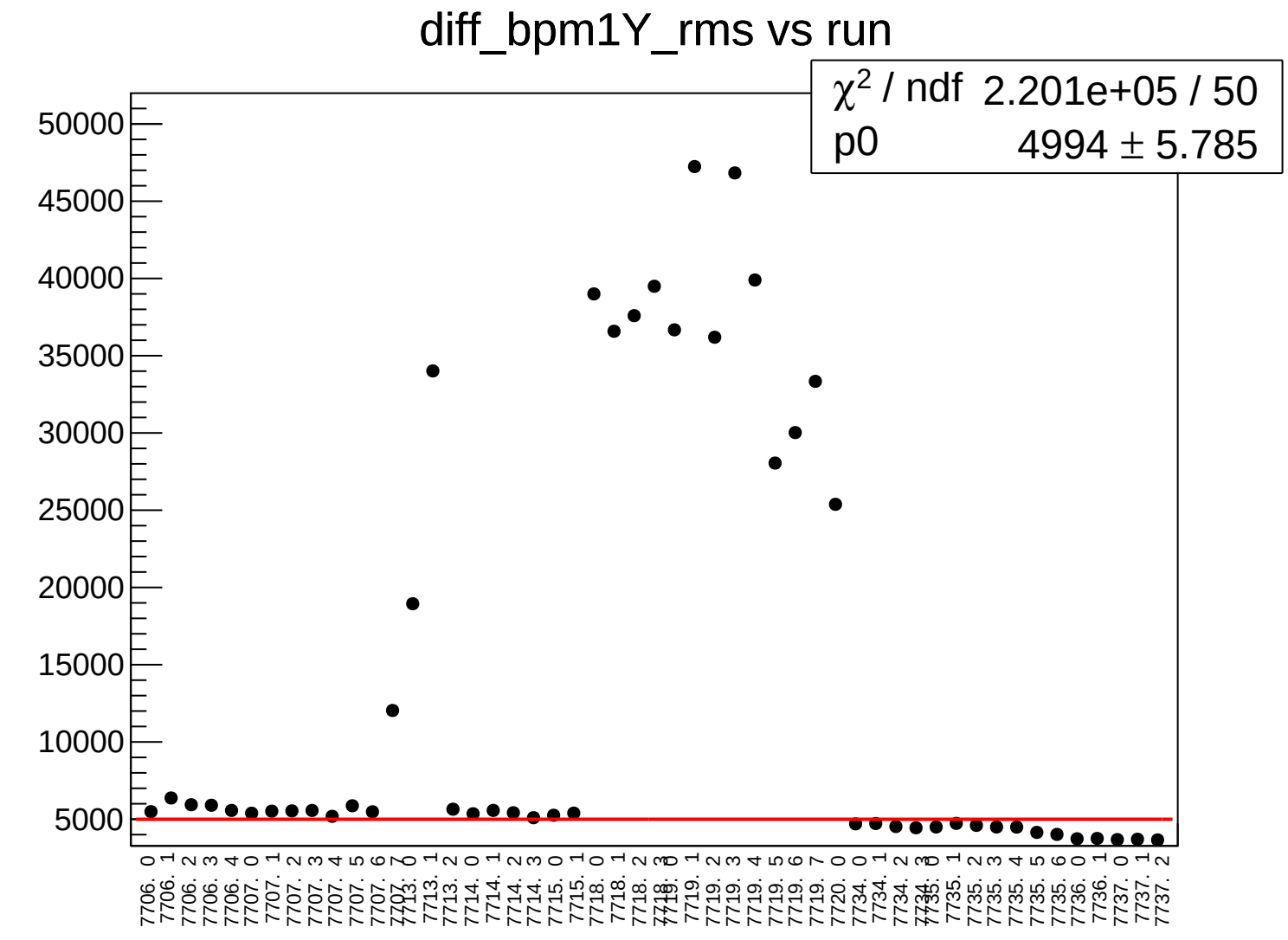

diff_bpm1X_mean vs run
χ² / ndf 31.9 / 50
p0 −17.75 ± 34.22
pull
Entries 51
Mean −428.1
Std Dev 448.3

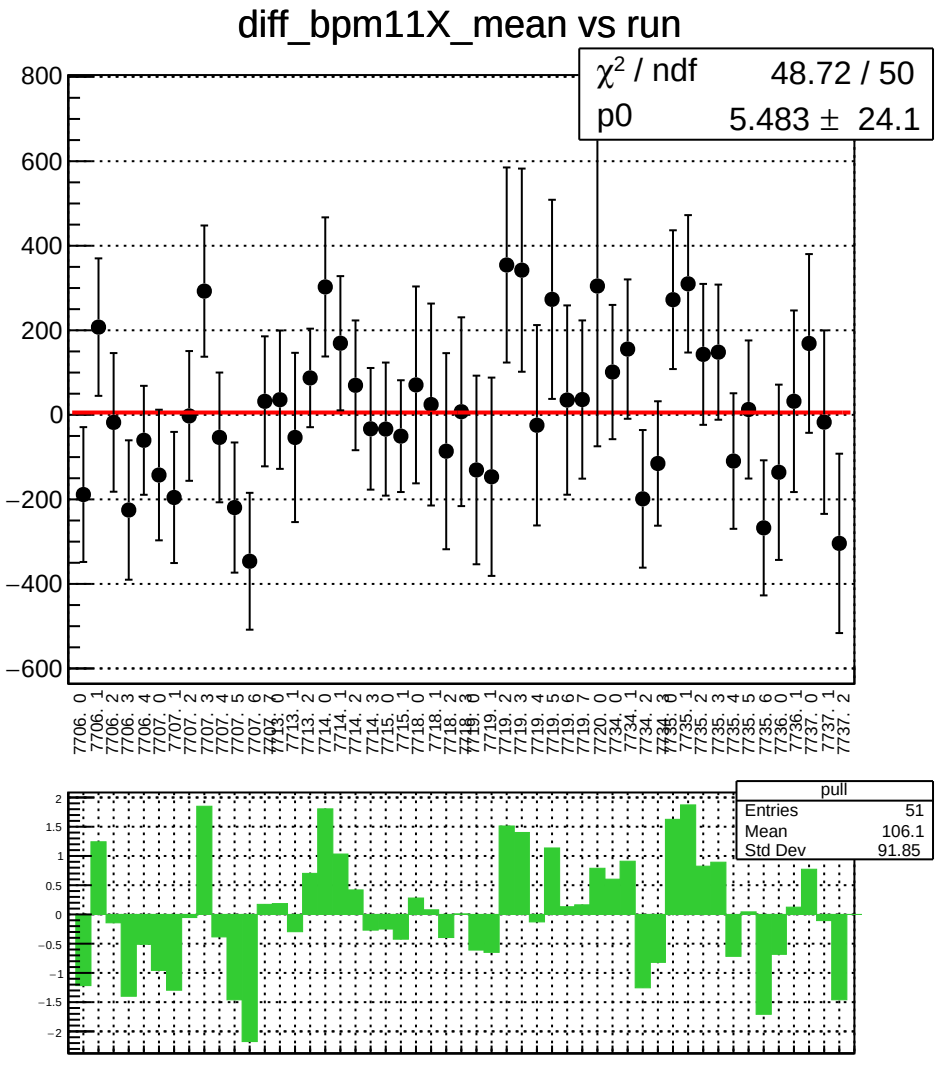

pull1D
Entries 51
Mean 0.006518
Std Dev 0.7908

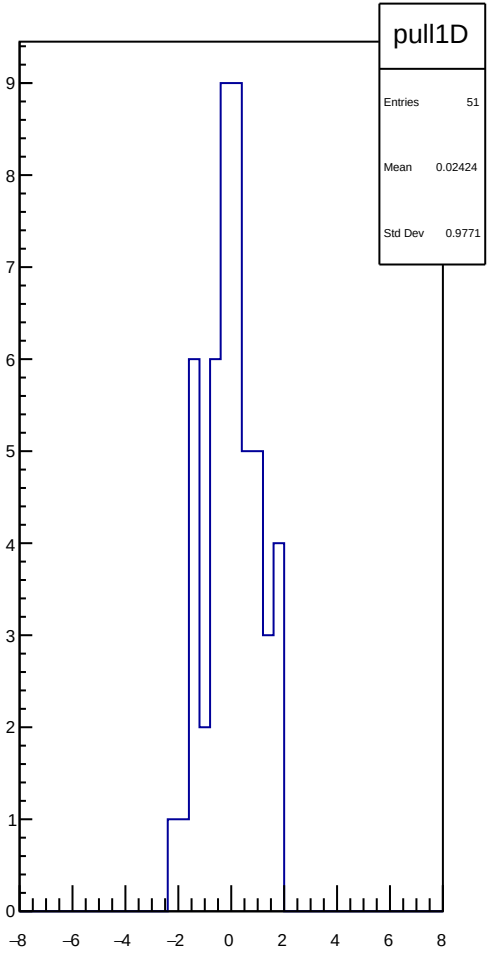

diff_bpm1X_rms vs run
χ² / ndf 9784 / 50
p0 2.366e+04 ± 24.2
34000
32000
30000
28000
26000
24000
22000
20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

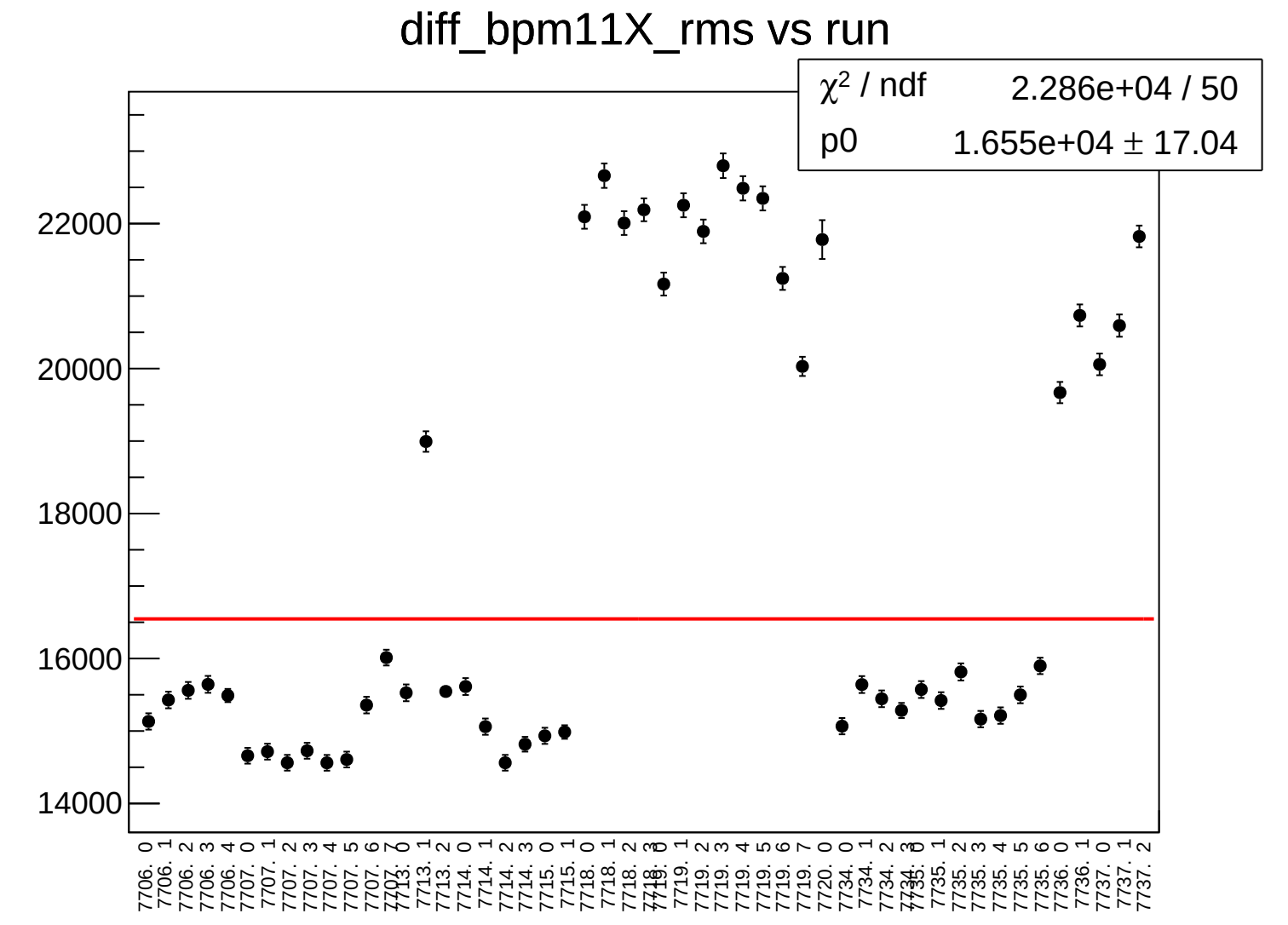

diff_bpm1Y_mean vs run
χ² / ndf 49.95 / 50
p0 −5.983 ± 8.181
1000
500
0
−500
−1000
pull
Entries 51
Mean −113.9
Std Dev 133.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

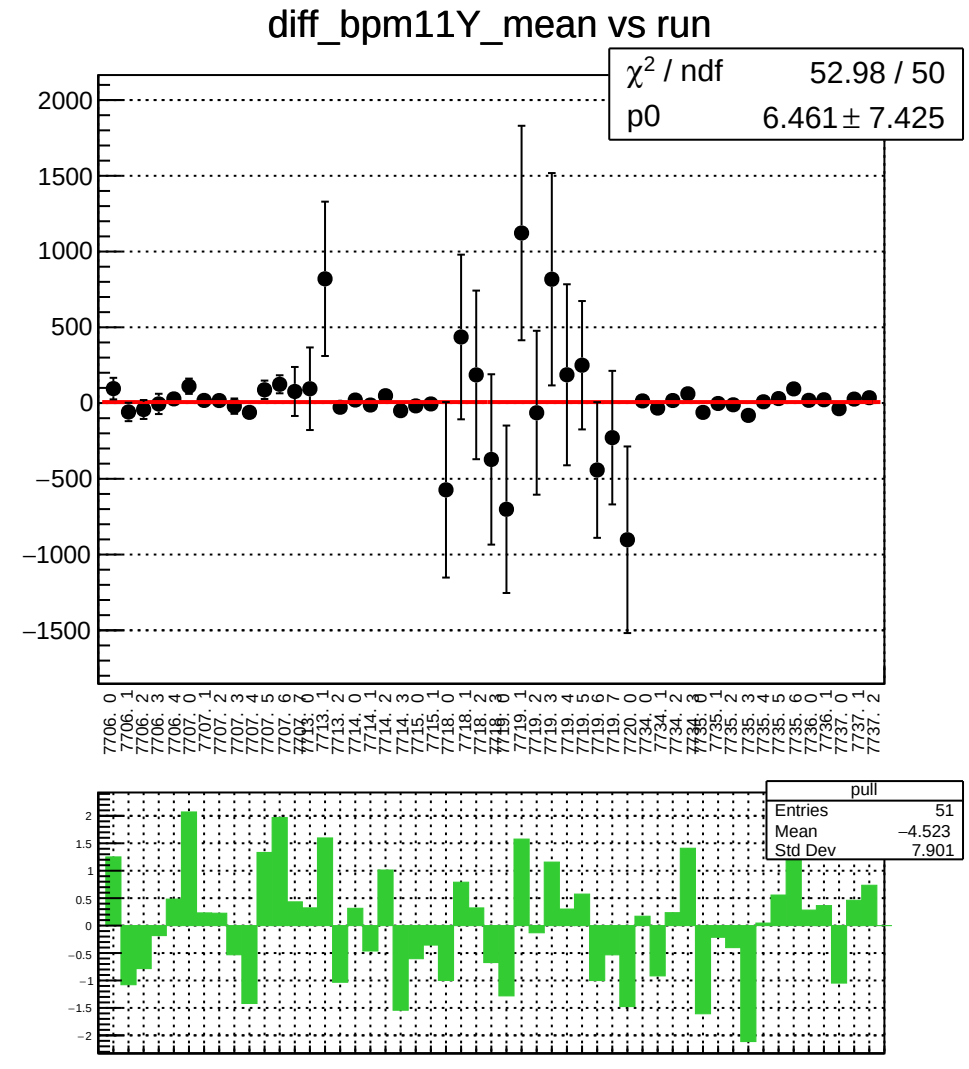

pull1D
Entries 51
Mean −0.01658
Std Dev 0.9895
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

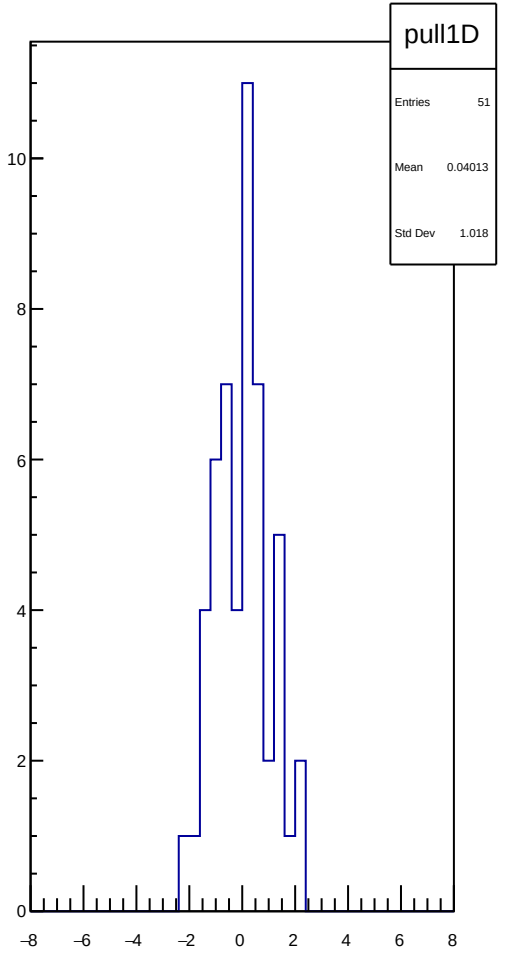

diff_bpm1Y_rms vs run
χ² / ndf 2.201e+05 / 50
p0 4994 ± 5.785
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

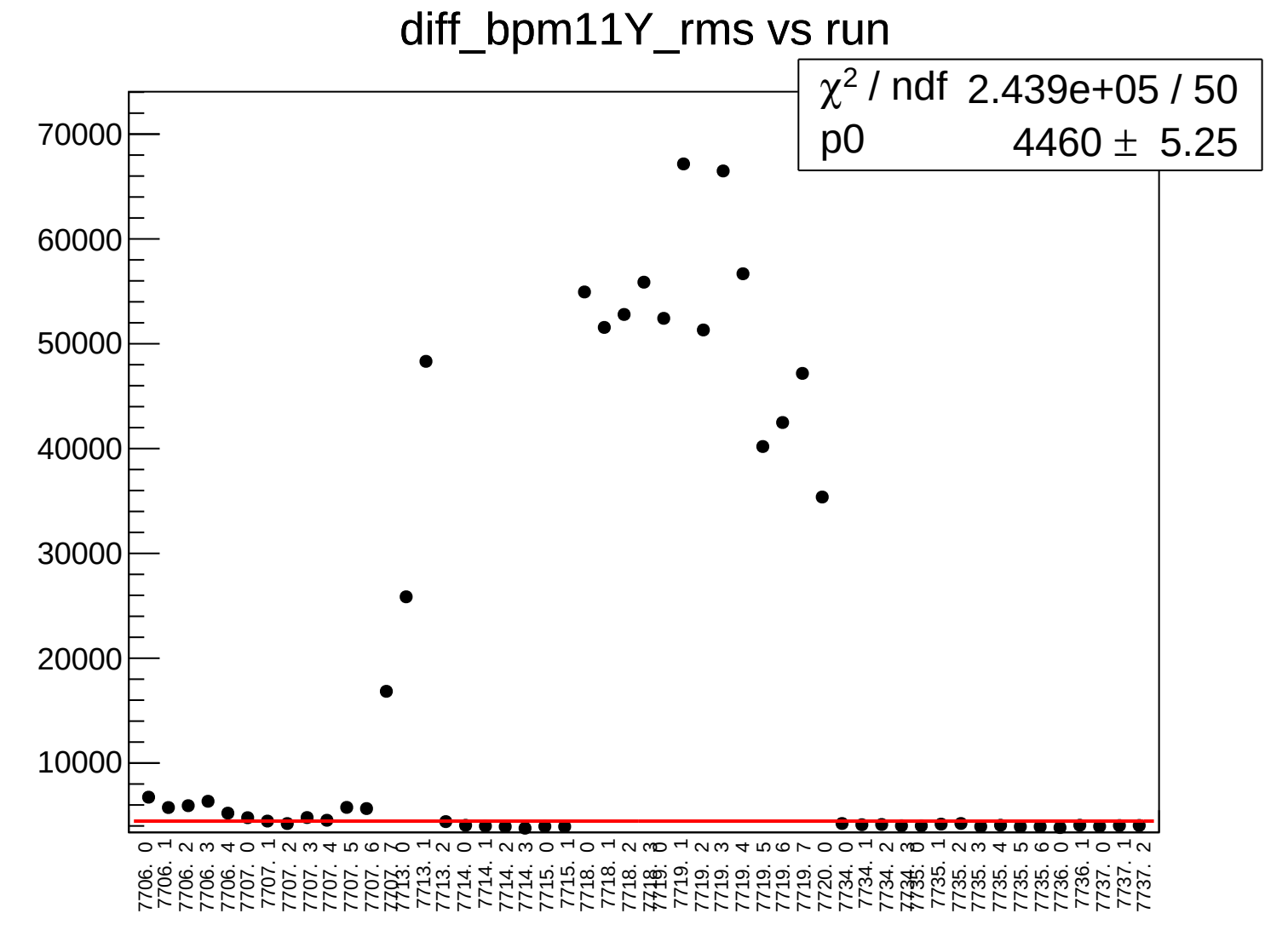

diff_bpm11X_mean vs run
χ² / ndf 48.72 / 50
p0 5.483 ± 24.1
pull
Entries 51
Mean 106.1
Std Dev 91.85

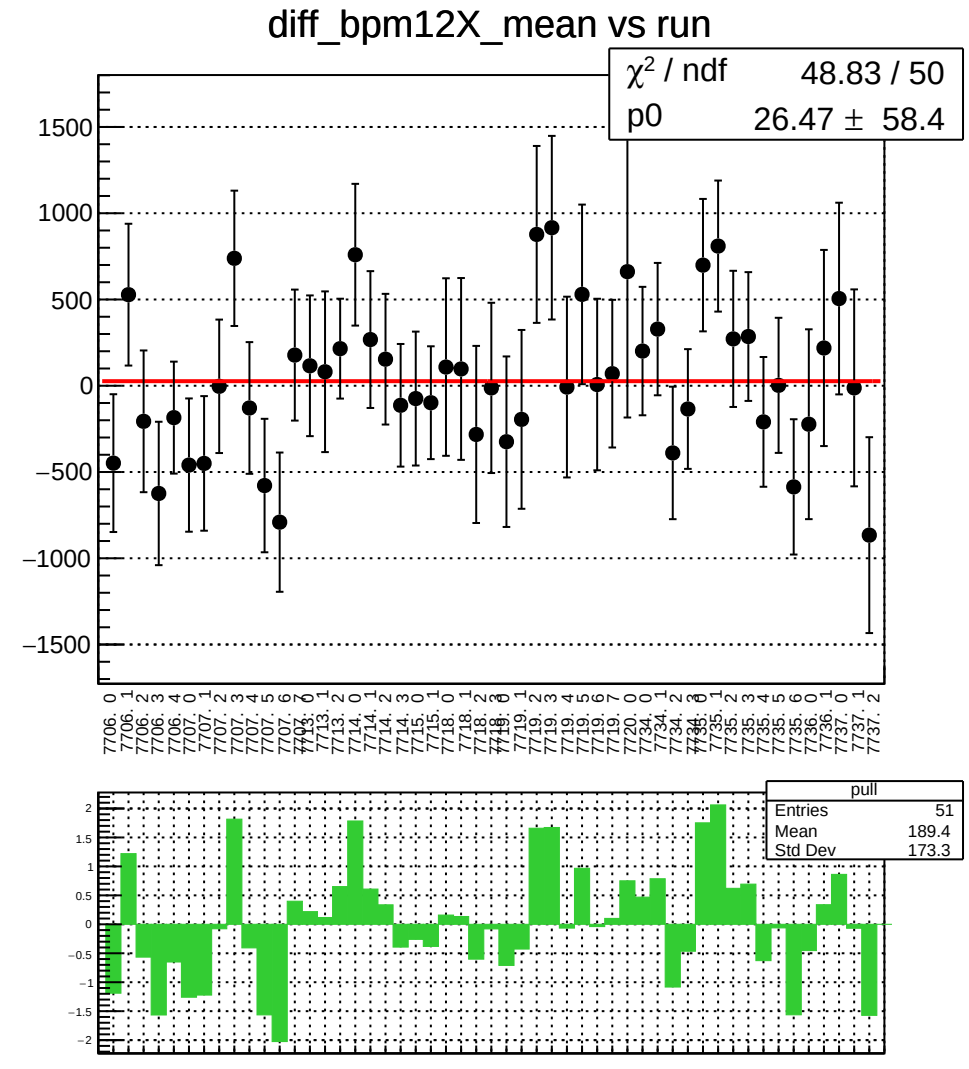

pull1D
Entries 51
Mean 0.02424
Std Dev 0.9771

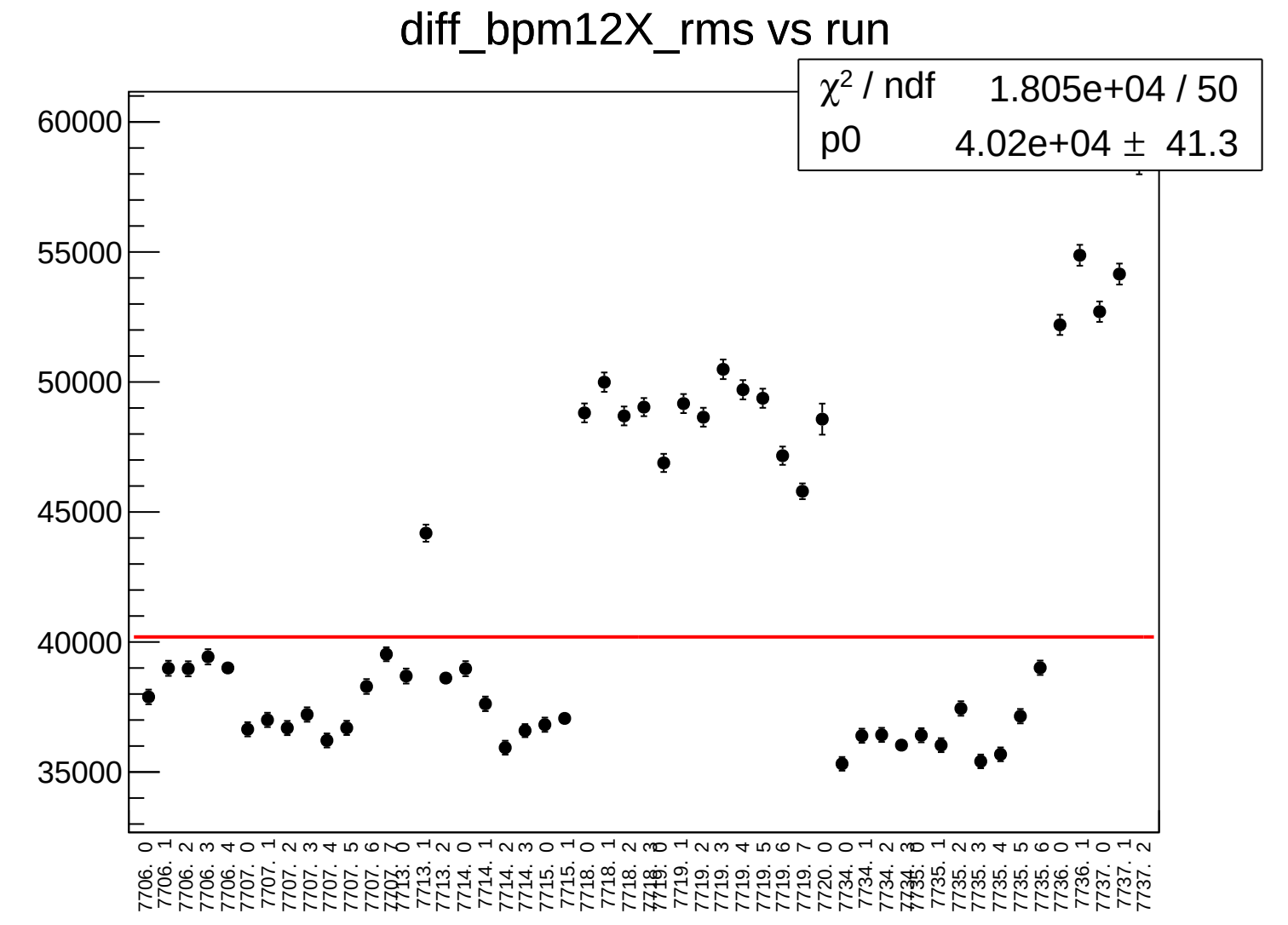

diff_bpm11X_rms vs run
χ² / ndf 2.286e+04 / 50
p0 1.655e+04 ± 17.04
22000
20000
18000
16000
14000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

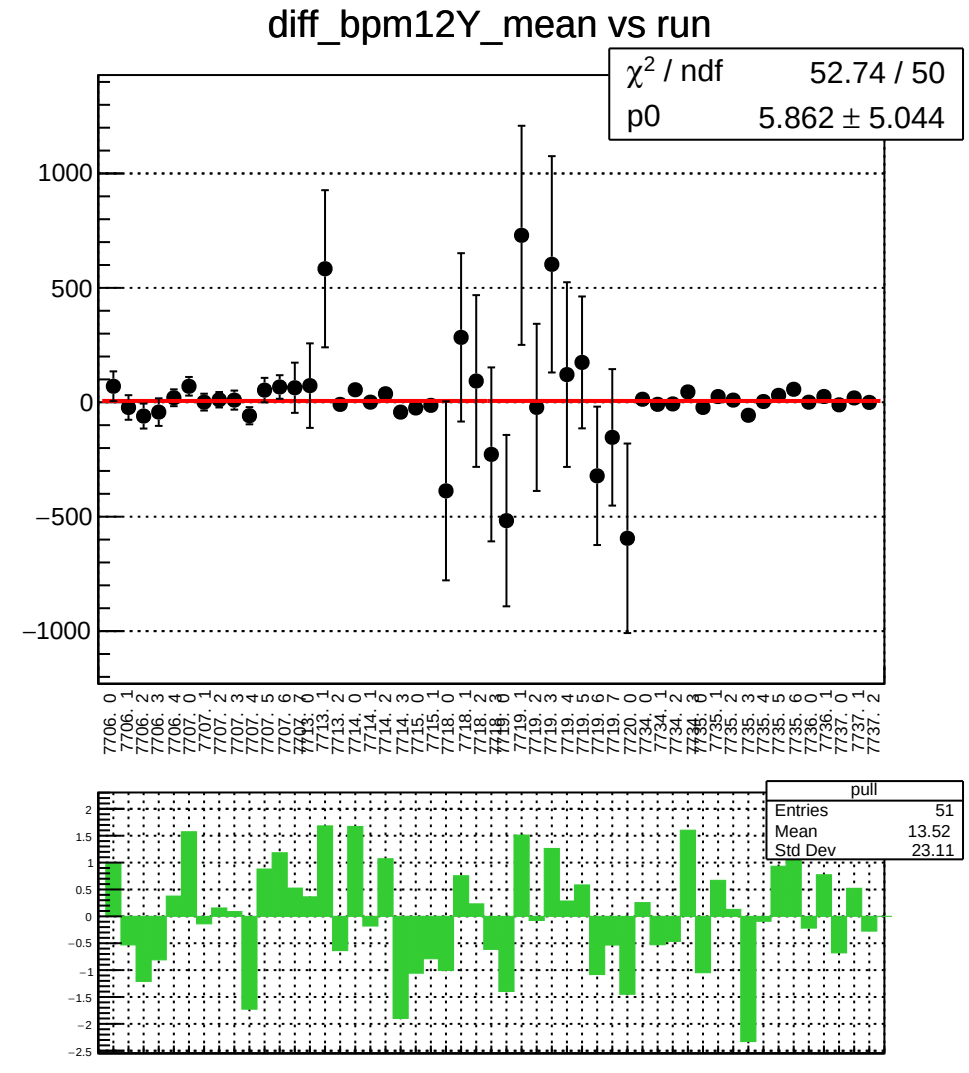

diff_bpm11Y_mean vs run
χ² / ndf 52.98 / 50
p0 6.461 ± 7.425
pull
Entries 51
Mean −4.523
Std Dev 7.901

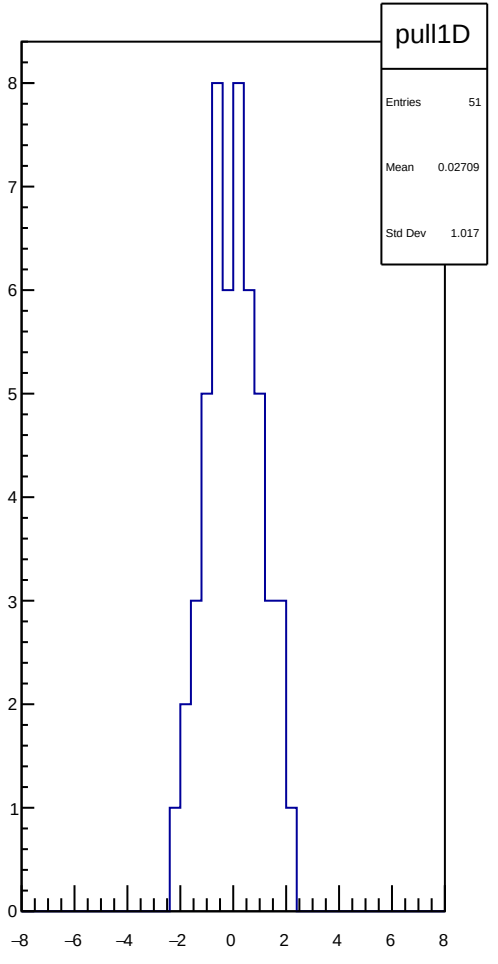

pull1D
Entries 51
Mean 0.04013
Std Dev 1.018

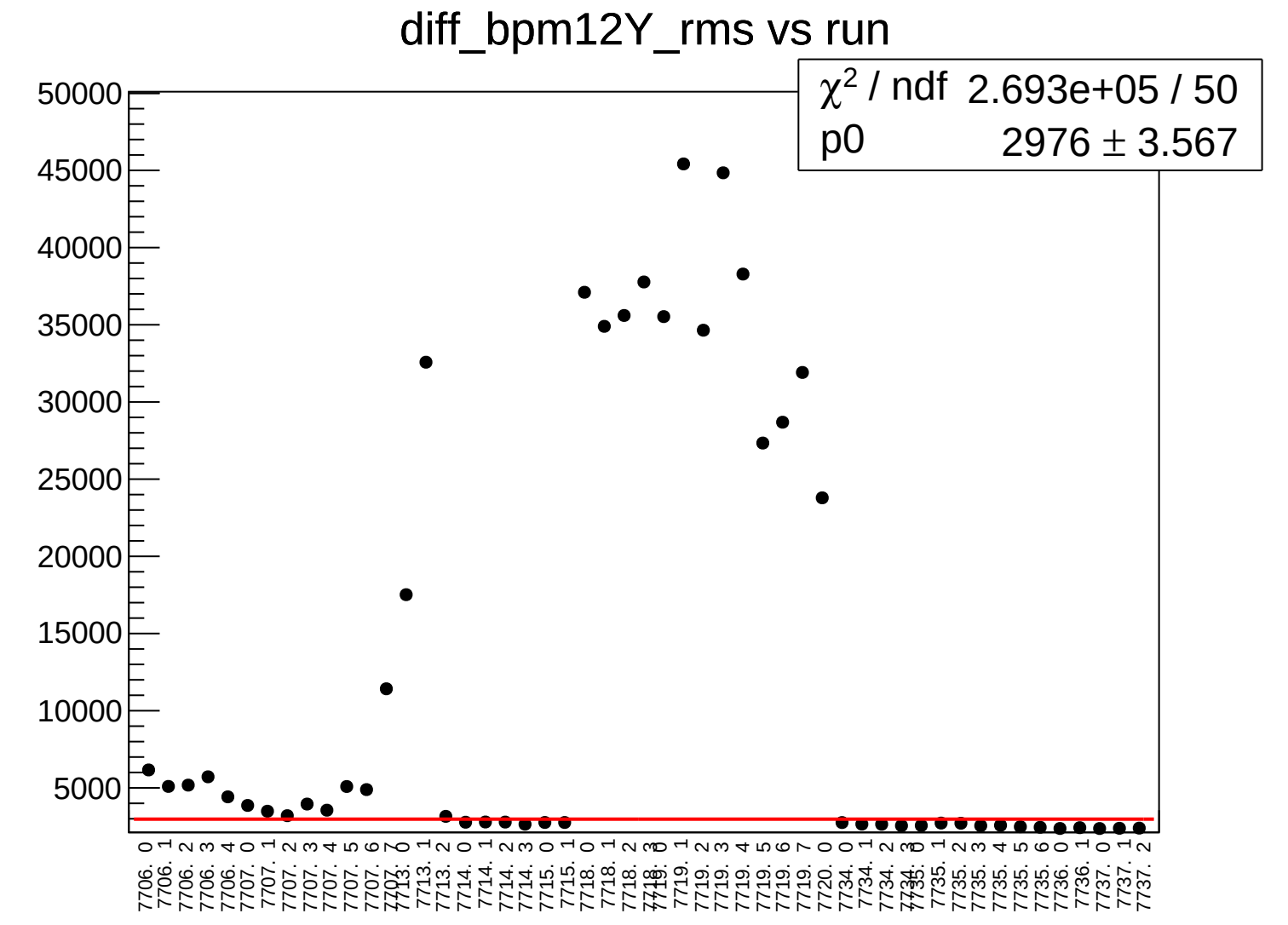

diff_bpm11Y_rms vs run
χ² / ndf 2.439e+05 / 50
p0 4460 ± 5.25
70000
60000
50000
40000
30000
20000
10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

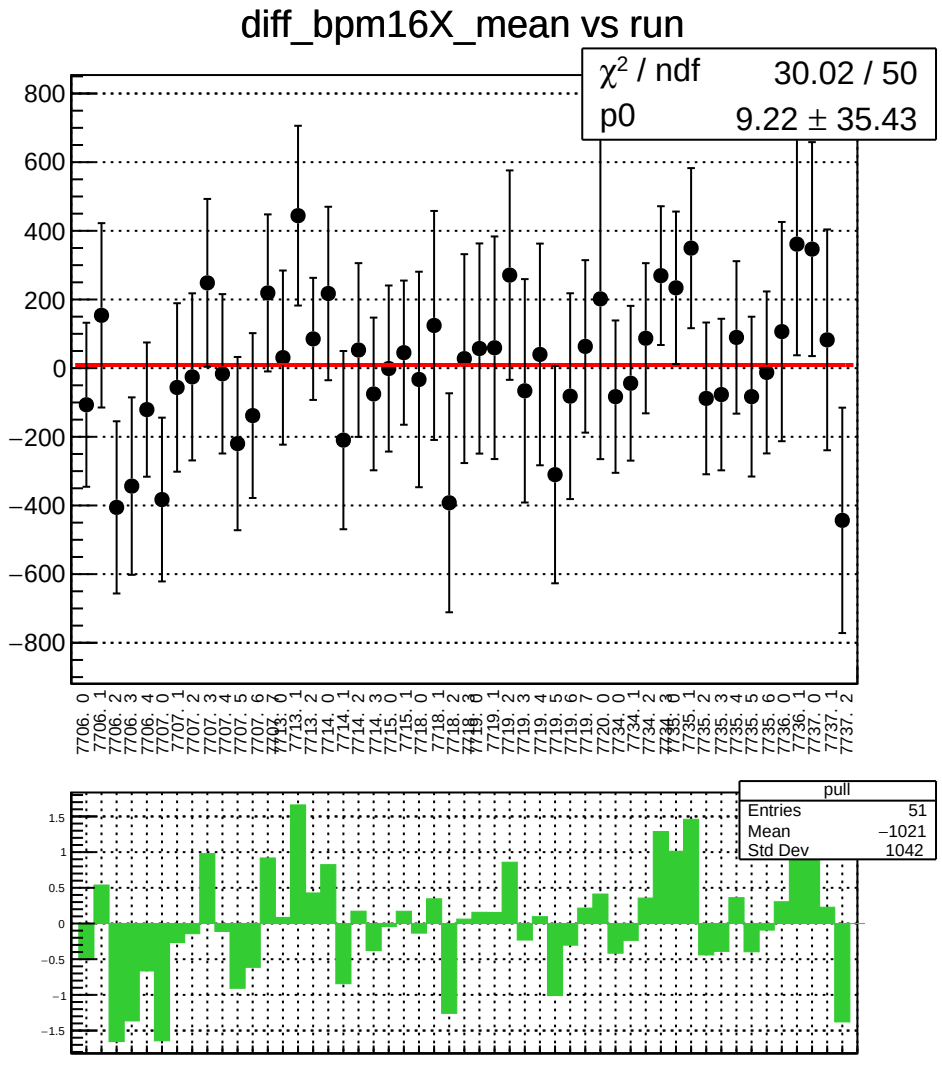

diff_bpm12X_mean vs run
χ² / ndf 48.83 / 50
p0 26.47 ± 58.4
1500
1000
500
0
−500
−1000
−1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 189.4
Std Dev 173.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean 0.01584
Std Dev 0.9783
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

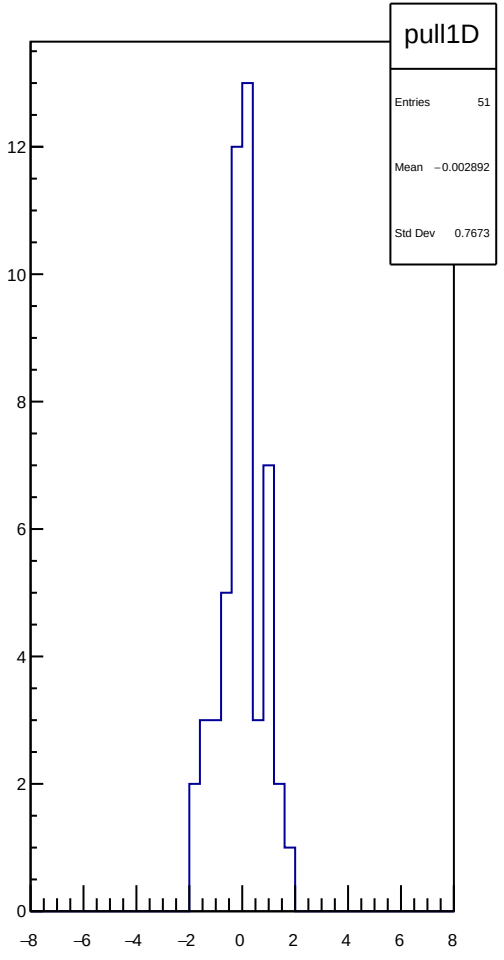

diff_bpm12X_rms vs run
χ² / ndf 1.805e+04 / 50
p0 4.02e+04 ± 41.3
60000
55000
50000
45000
40000
35000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

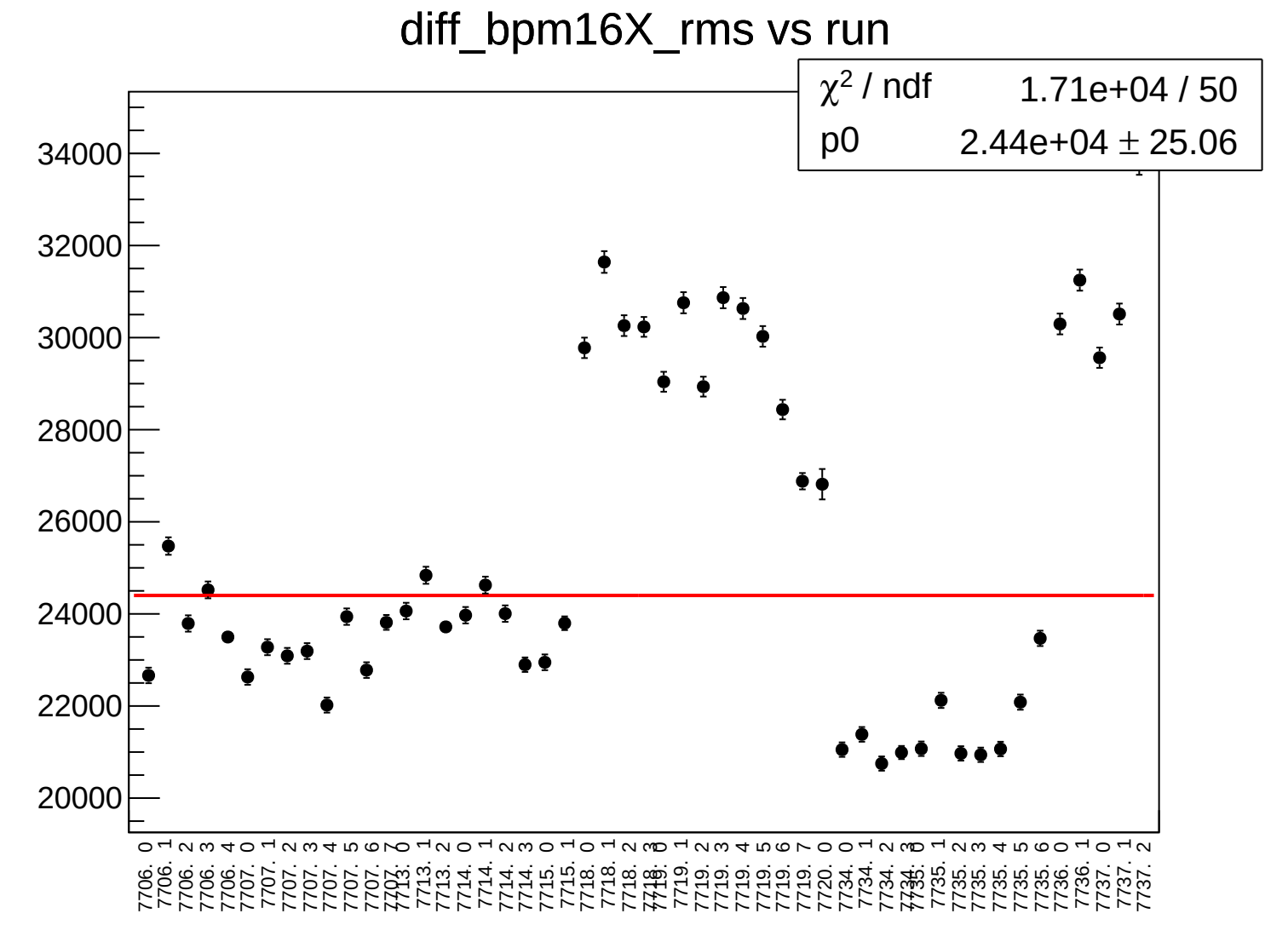

diff_bpm12Y_mean vs run
χ^2 / ndf 52.74 / 50
p0 5.862 ± 5.044
1000
500
0
−500
−1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 13.52
Std Dev 23.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

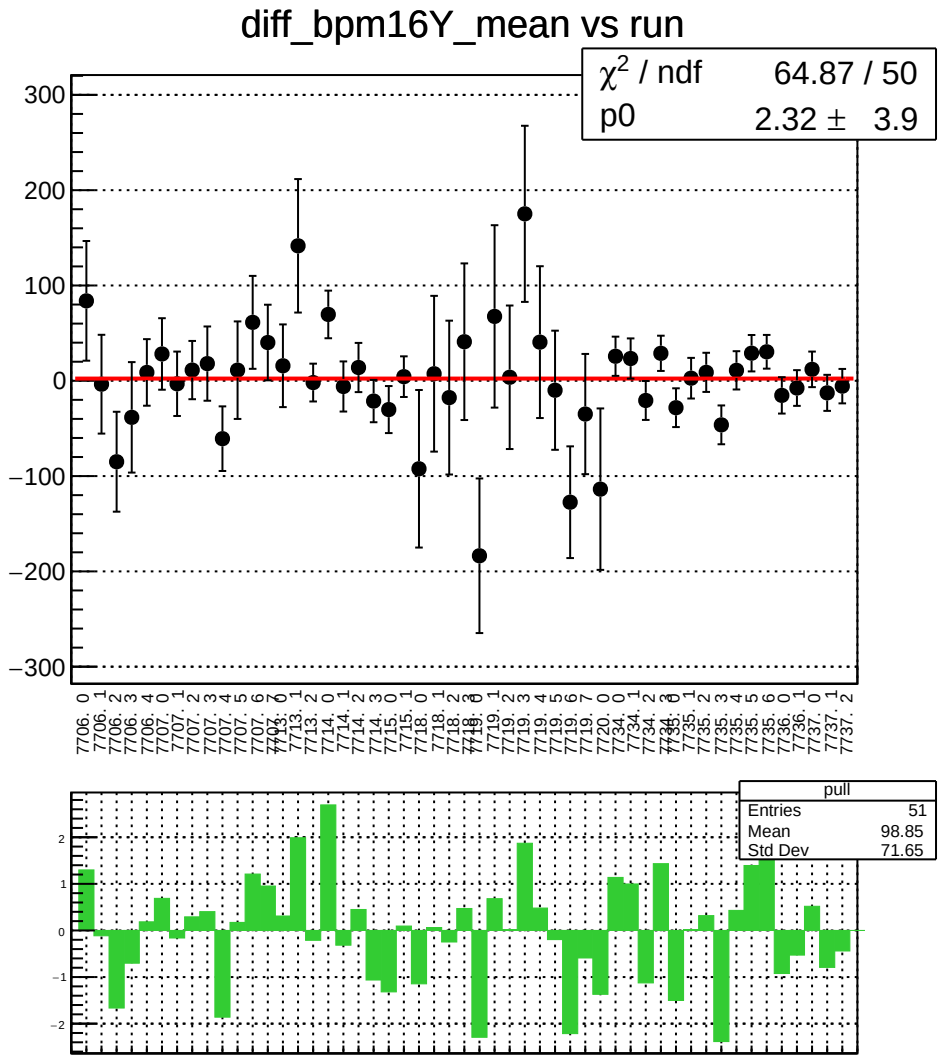

pull1D
Entries 51
Mean 0.02709
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

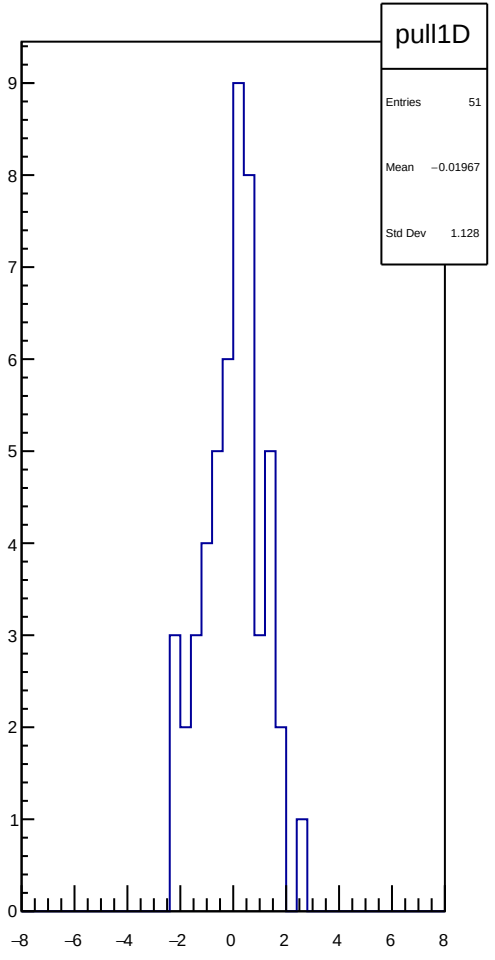

diff_bpm12Y_rms vs run
χ² / ndf 2.693e+05 / 50
p0 2976 ± 3.567
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

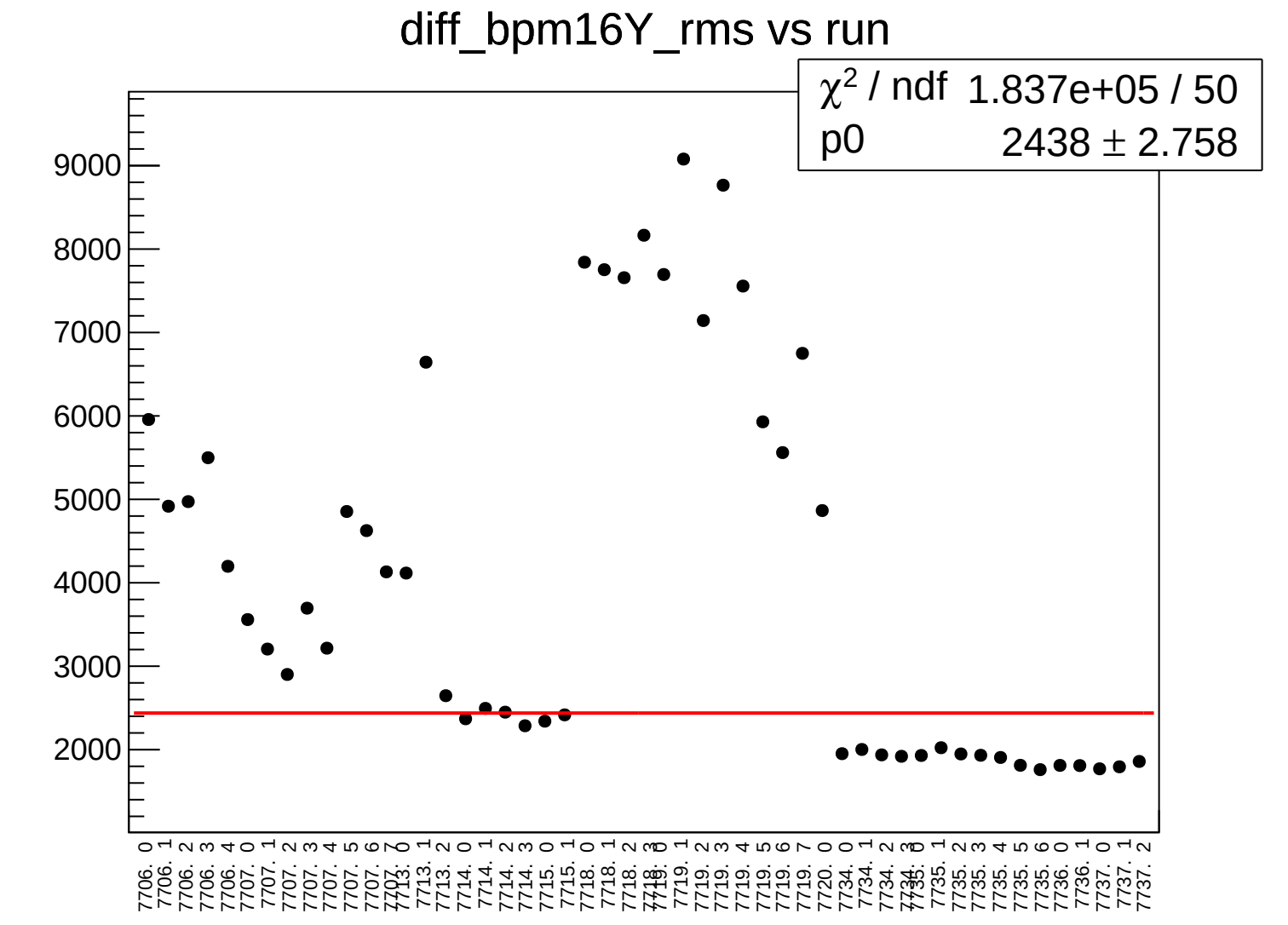

diff_bpm16X_mean vs run
χ² / ndf 30.02 / 50
p0 9.22 ± 35.43
pull
Entries 51
Mean −1021
Std Dev 1042

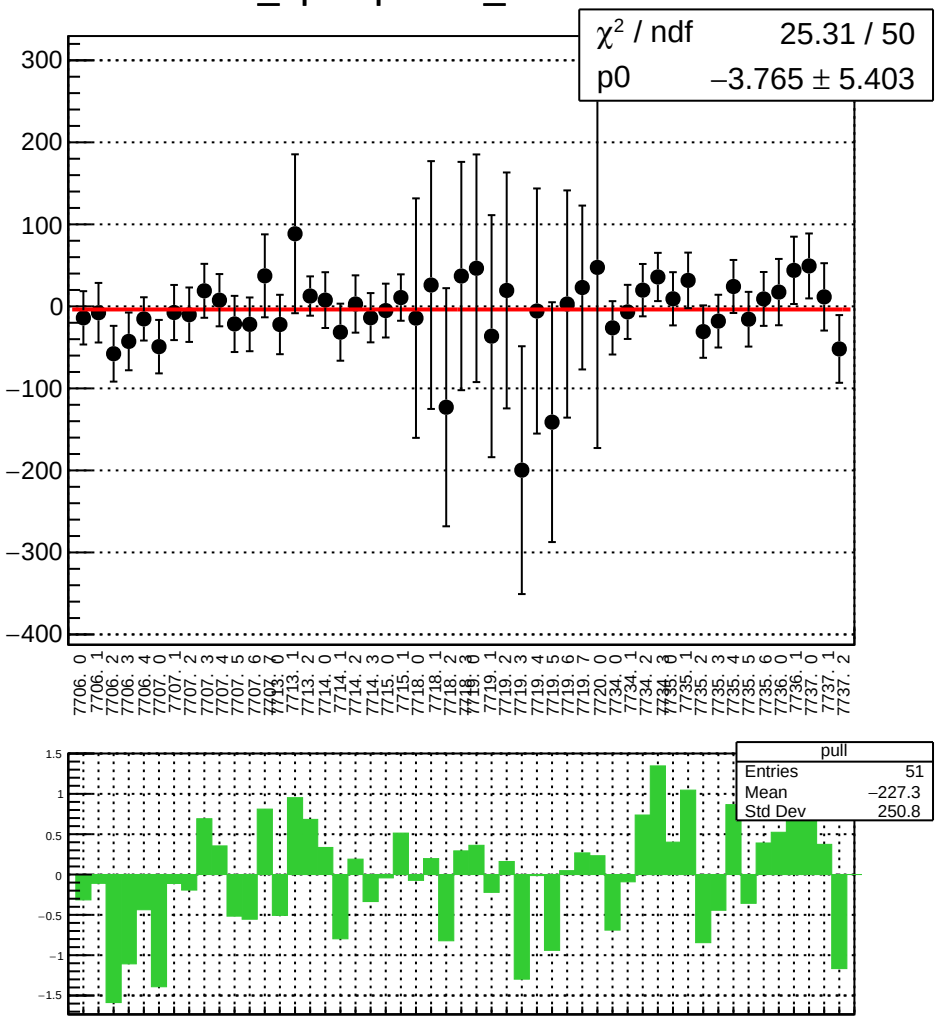

pull1D
Entries 51
Mean −0.002892
Std Dev 0.7673

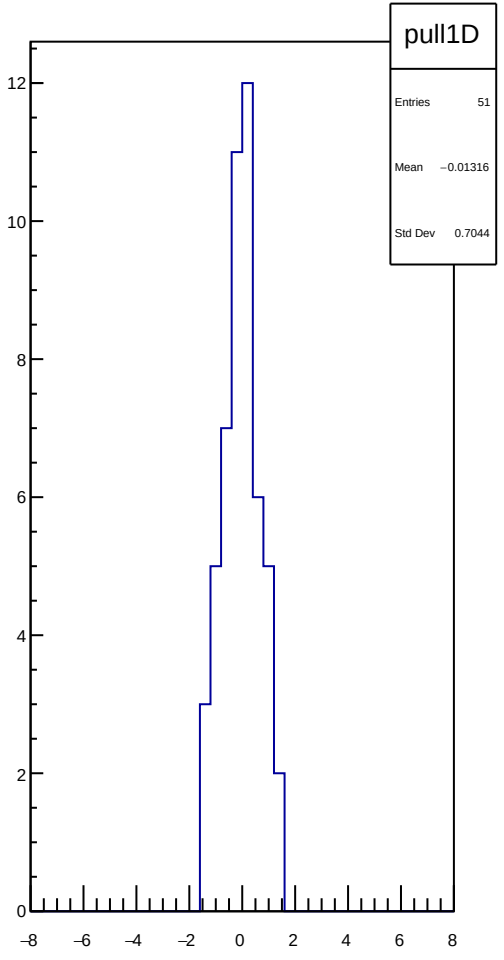

diff_bpm16X_rms vs run
χ² / ndf 1.71e+04 / 50
p0 2.44e+04 ± 25.06
34000
32000
30000
28000
26000
24000
22000
20000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

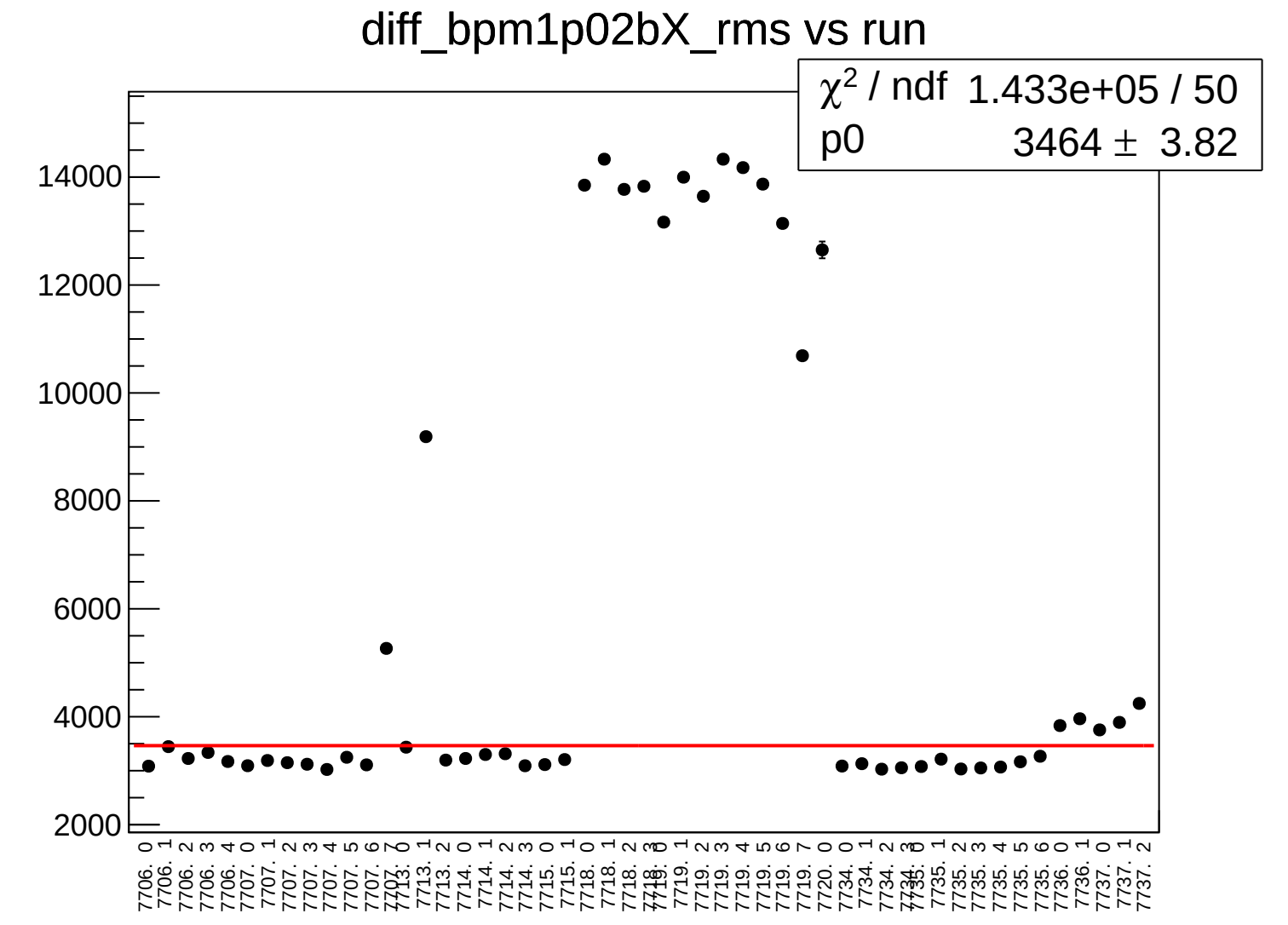

diff_bpm16Y_mean vs run
χ² / ndf 64.87 / 50
p0 2.32 ± 3.9
pull
Entries 51
Mean 98.85
Std Dev 71.65

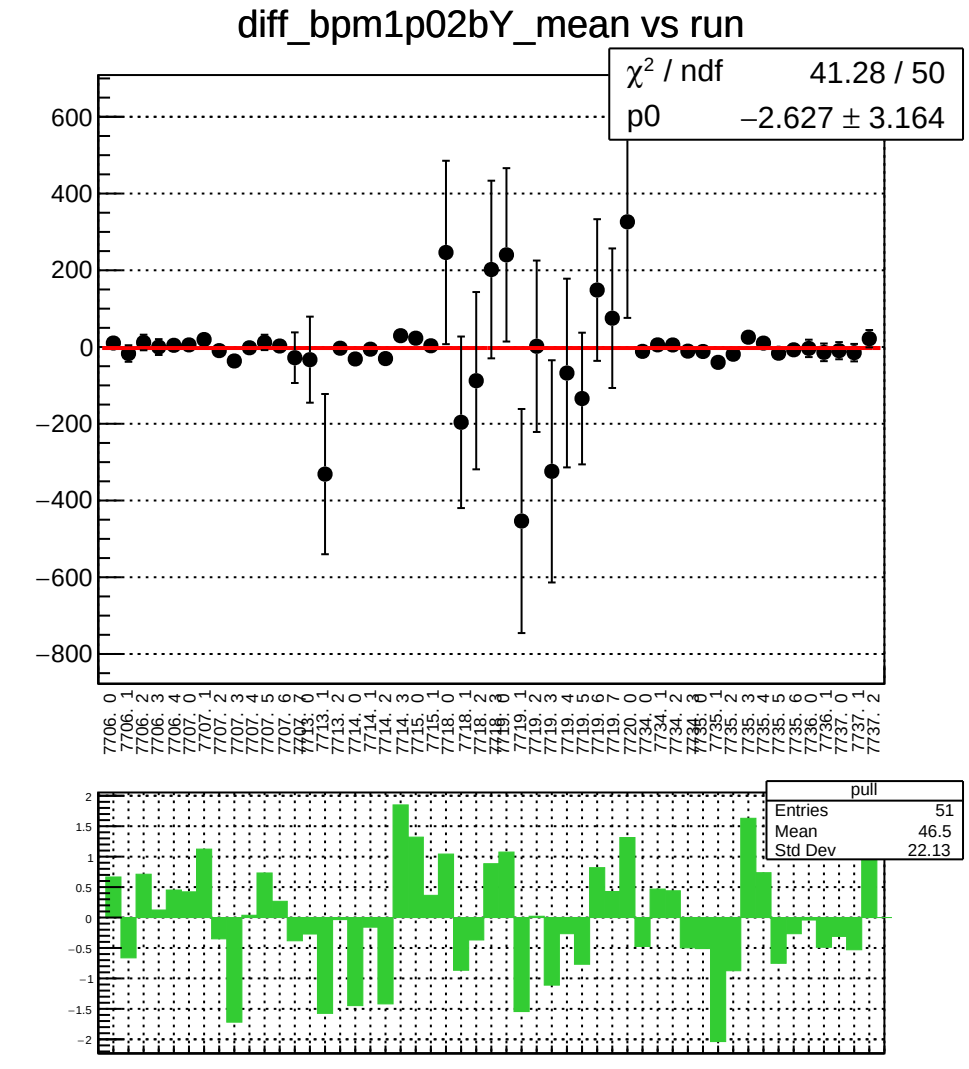

pull1D
Entries 51
Mean −0.01967
Std Dev 1.128

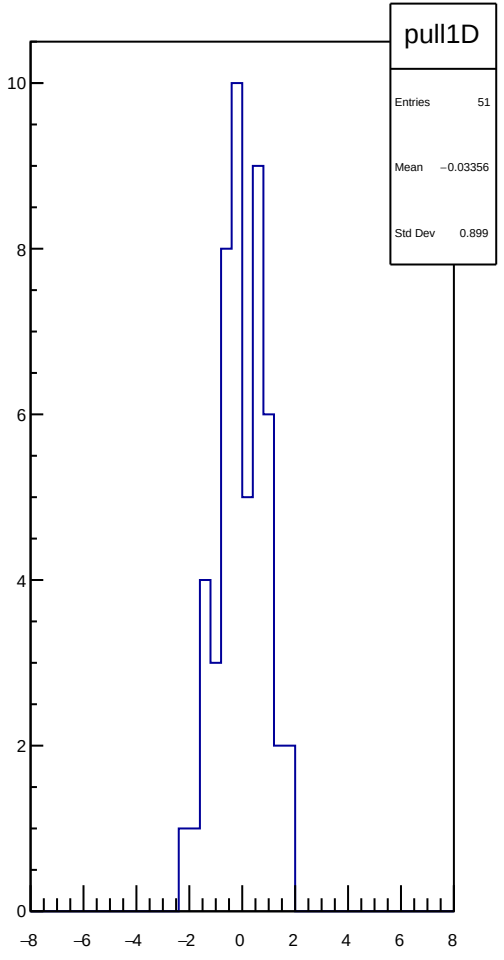

diff_bpm16Y_rms vs run
χ² / ndf 1.837e+05 / 50
p0 2438 ± 2.758
9000
8000
7000
6000
5000
4000
3000
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

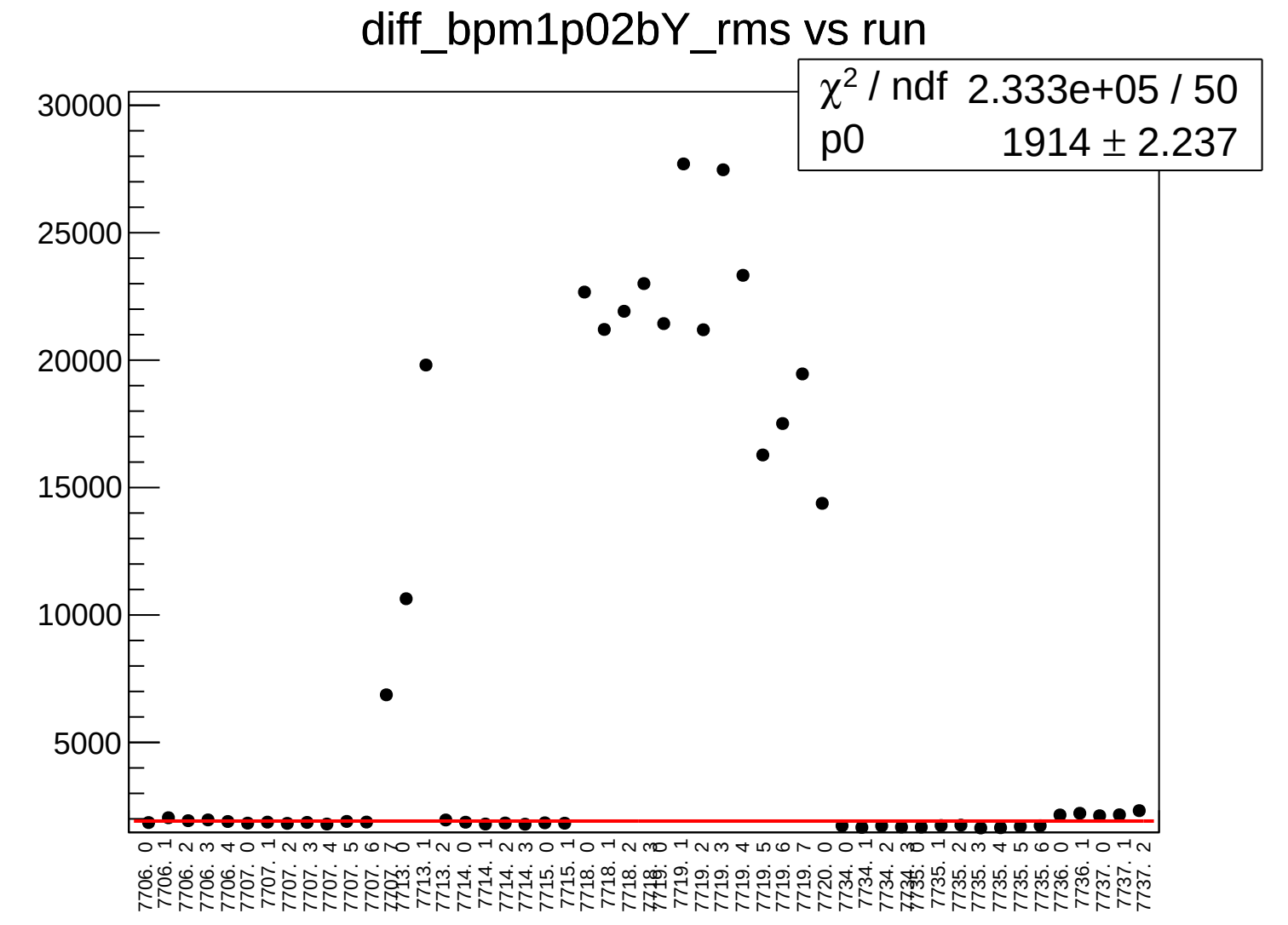

diff_bpm1p02bX_mean vs run
χ² / ndf 25.31 / 50
p0 −3.765 ± 5.403
pull
Entries 51
Mean −227.3
Std Dev 250.8

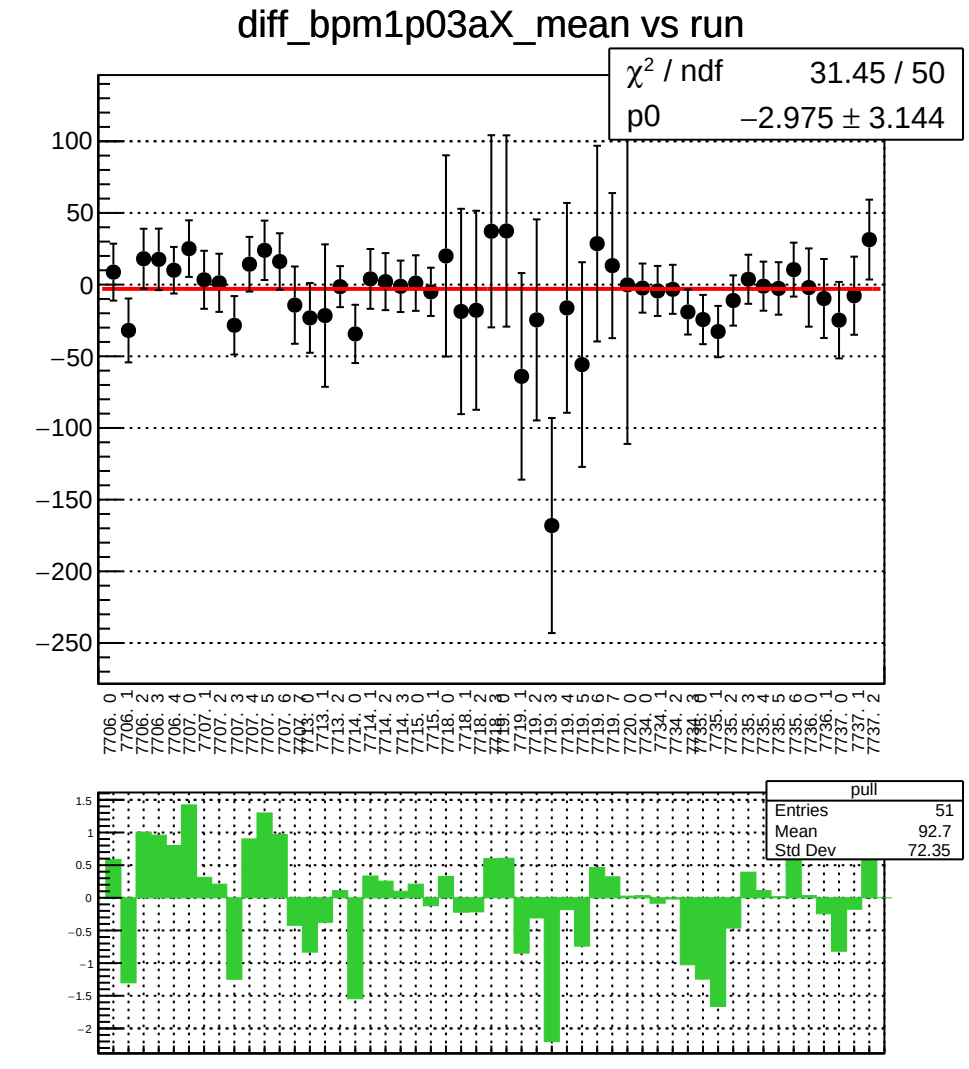

pull1D
Entries 51
Mean −0.01316
Std Dev 0.7044

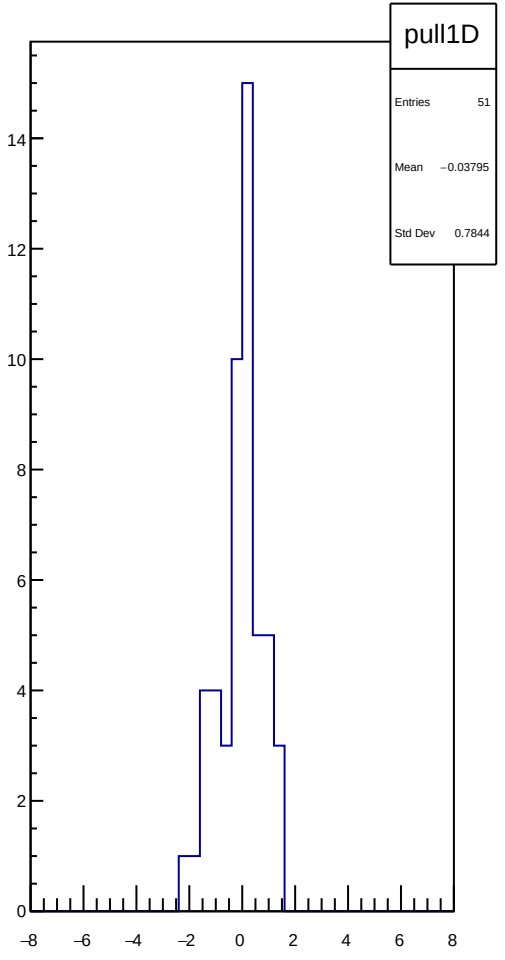

diff_bpm1p02bX_rms vs run
χ² / ndf 1.433e+05 / 50
p0 3464 ± 3.82
14000
12000
10000
8000
6000
4000
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

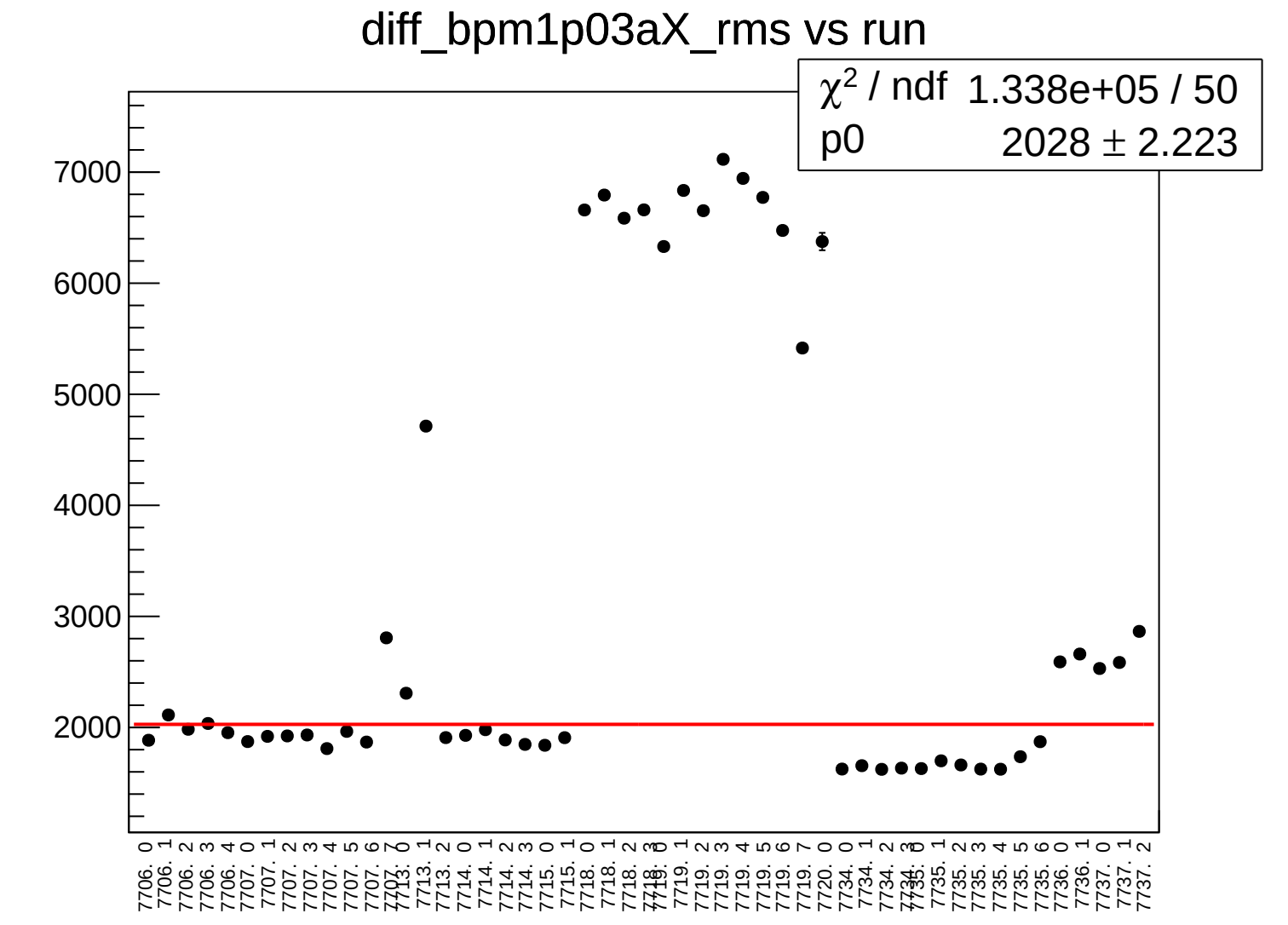

diff_bpm1p02bY_mean vs run
χ² / ndf 41.28 / 50
p0 −2.627 ± 3.164
pull
Entries 51
Mean 46.5
Std Dev 22.13

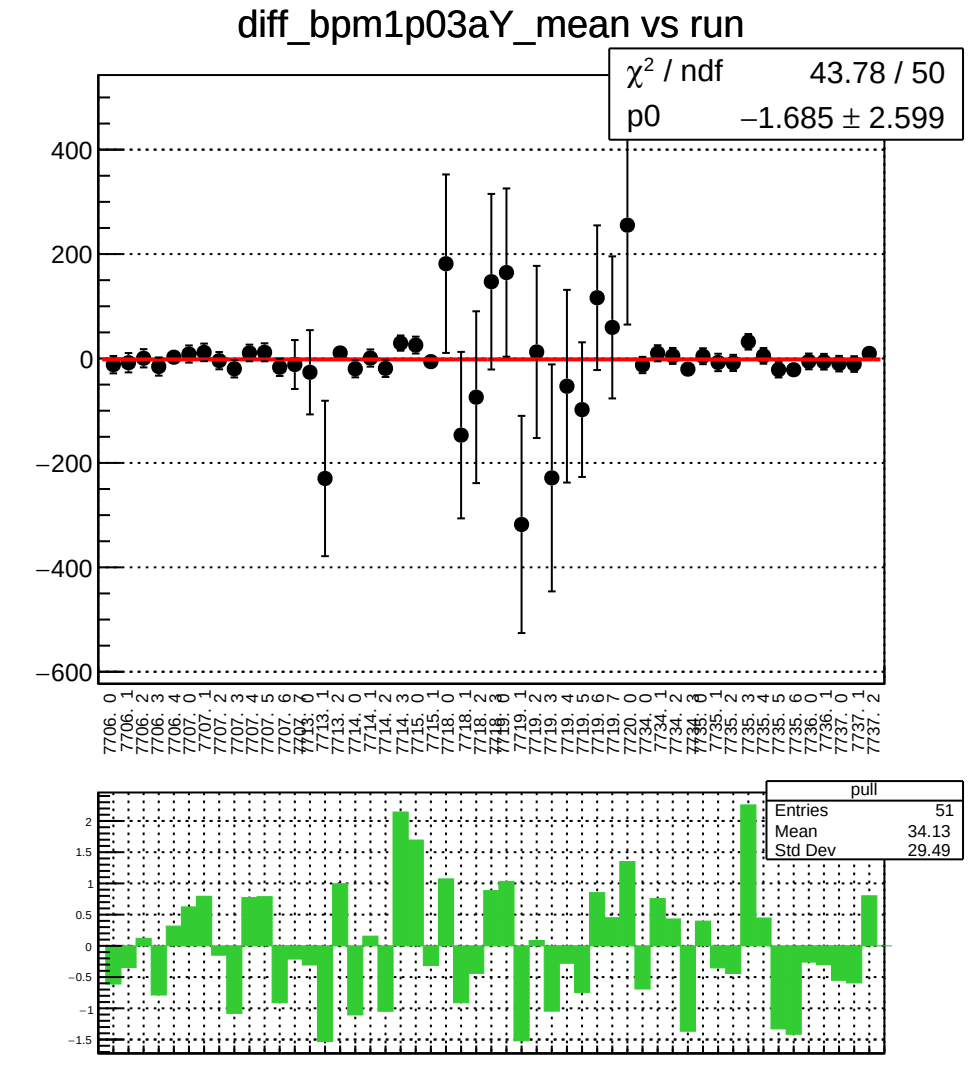

pull1D
Entries 51
Mean −0.03356
Std Dev 0.899

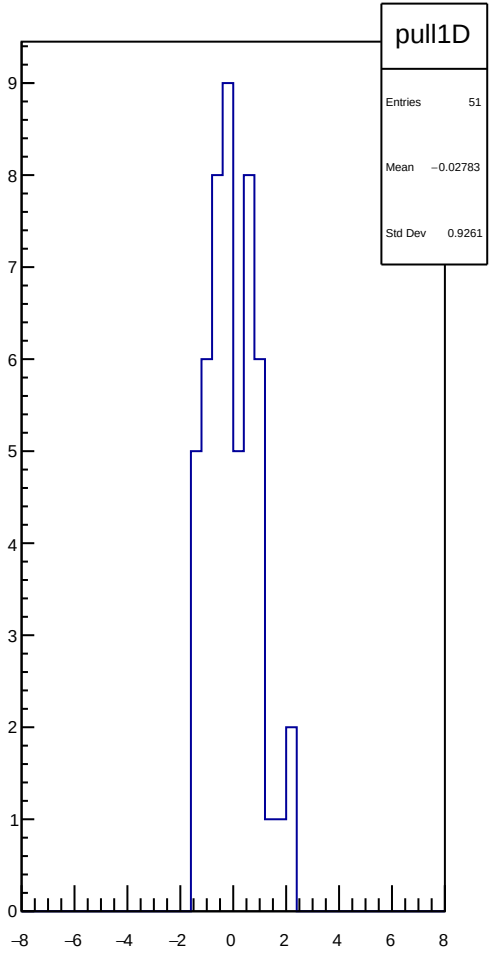

diff_bpm1p02bY_rms vs run
χ² / ndf 2.333e+05 / 50
p0 1914 ± 2.237
30000
25000
20000
15000
10000
5000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

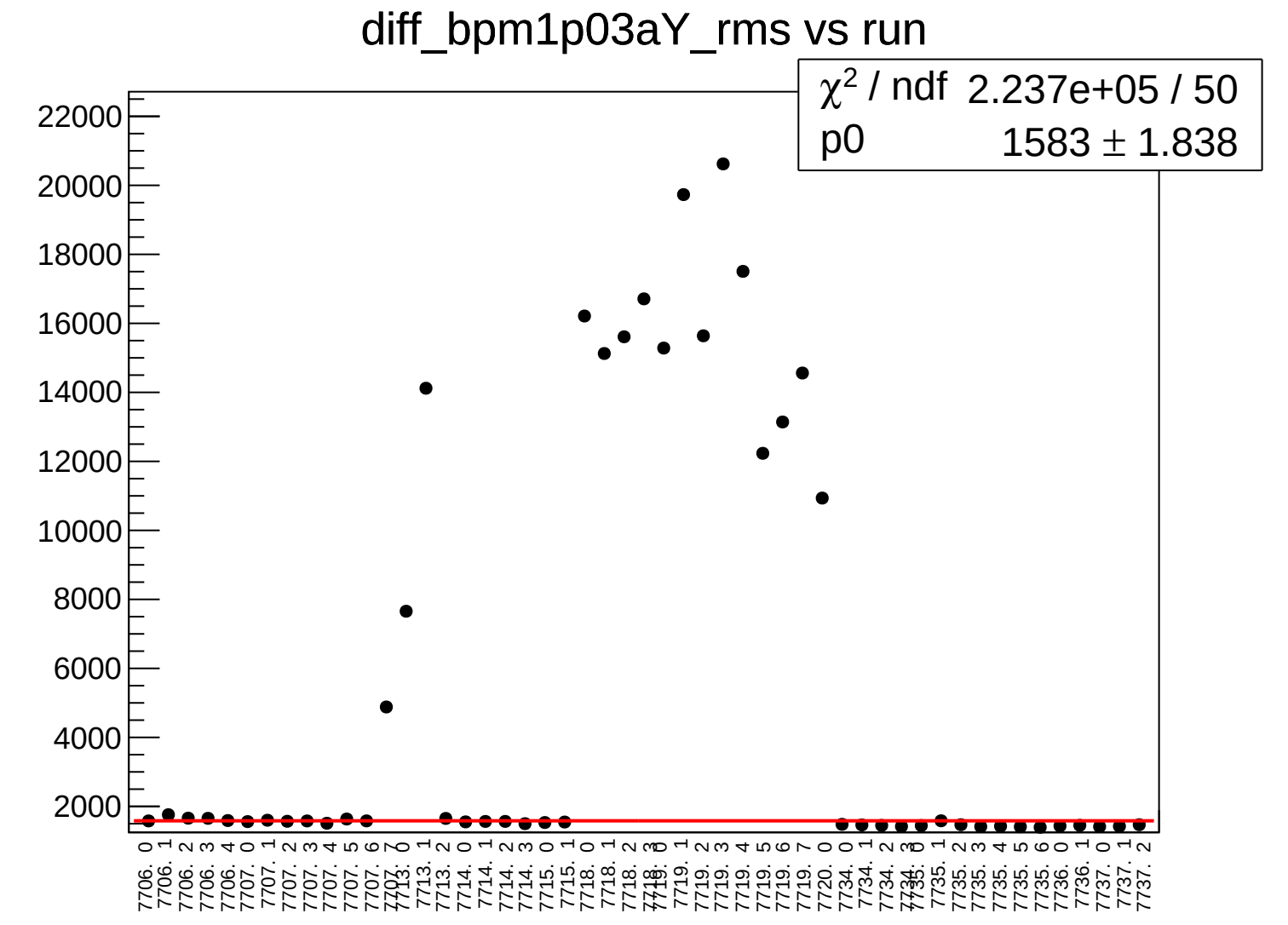

diff_bpm1p03aX_mean vs run
χ² / ndf 31.45 / 50
p0 −2.975 ± 3.144
pull
Entries 51
Mean 92.7
Std Dev 72.35

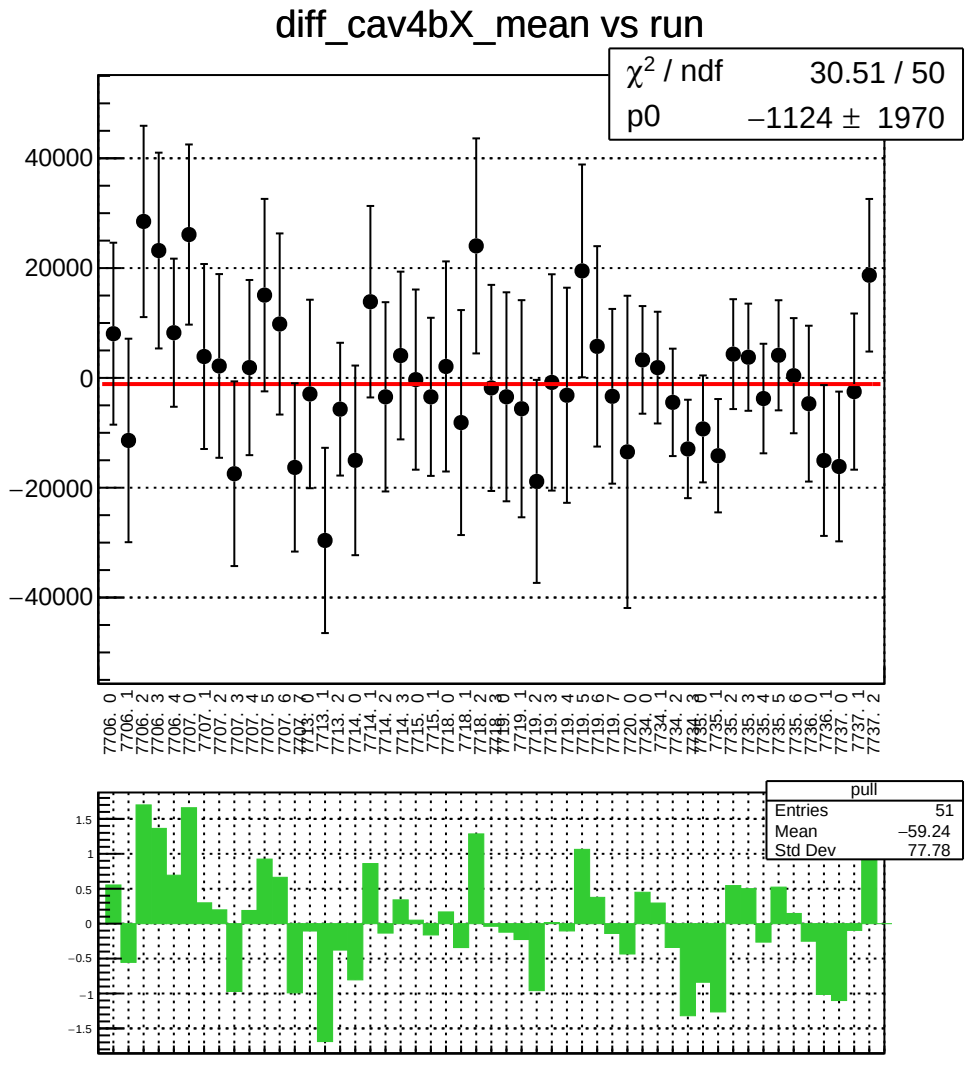

pull1D
Entries 51
Mean −0.03795
Std Dev 0.7844

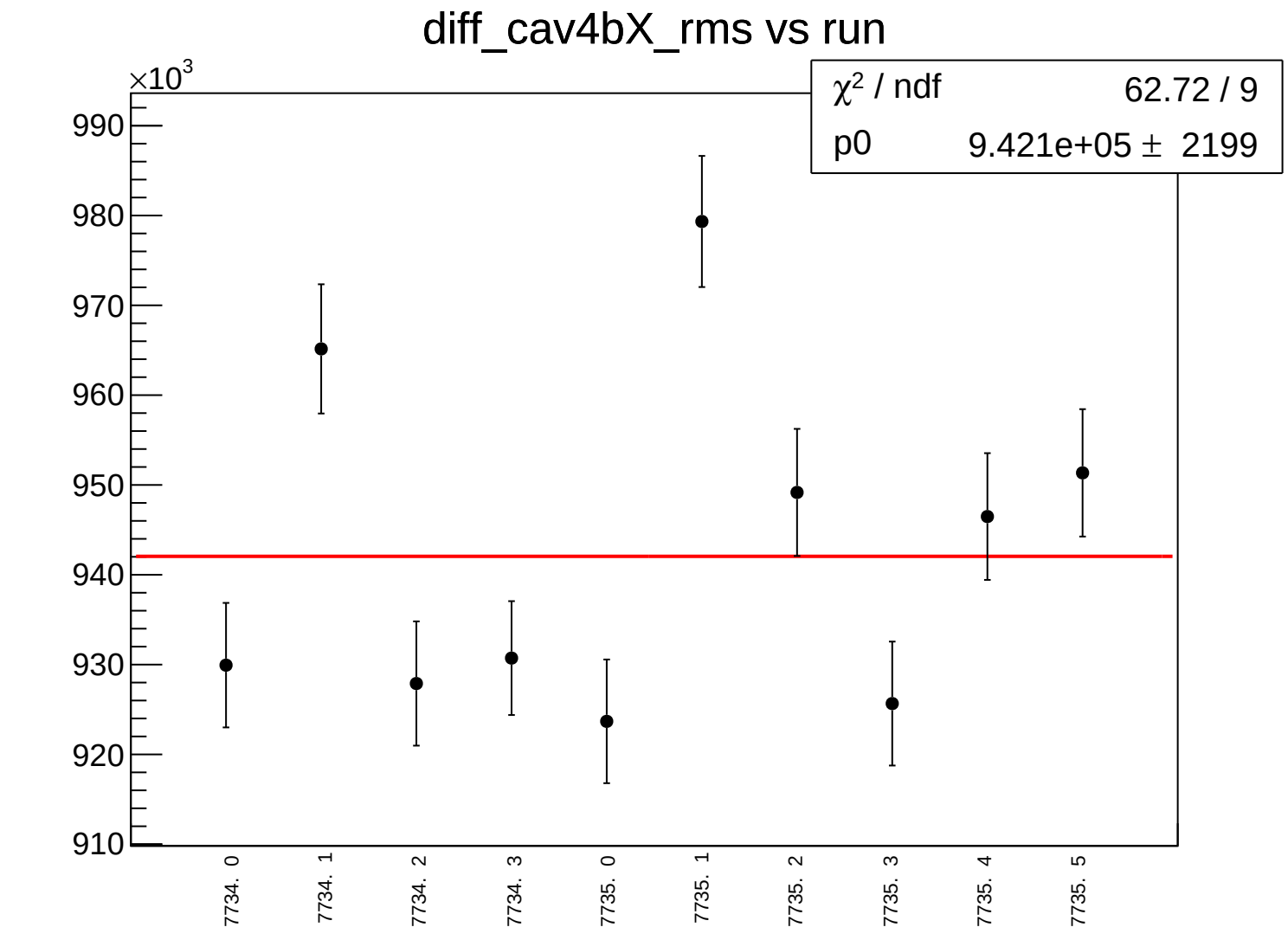

diff_bpm1p03aX_rms vs run
χ² / ndf 1.338e+05 / 50
p0 2028 ± 2.223
7000
6000
5000
4000
3000
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

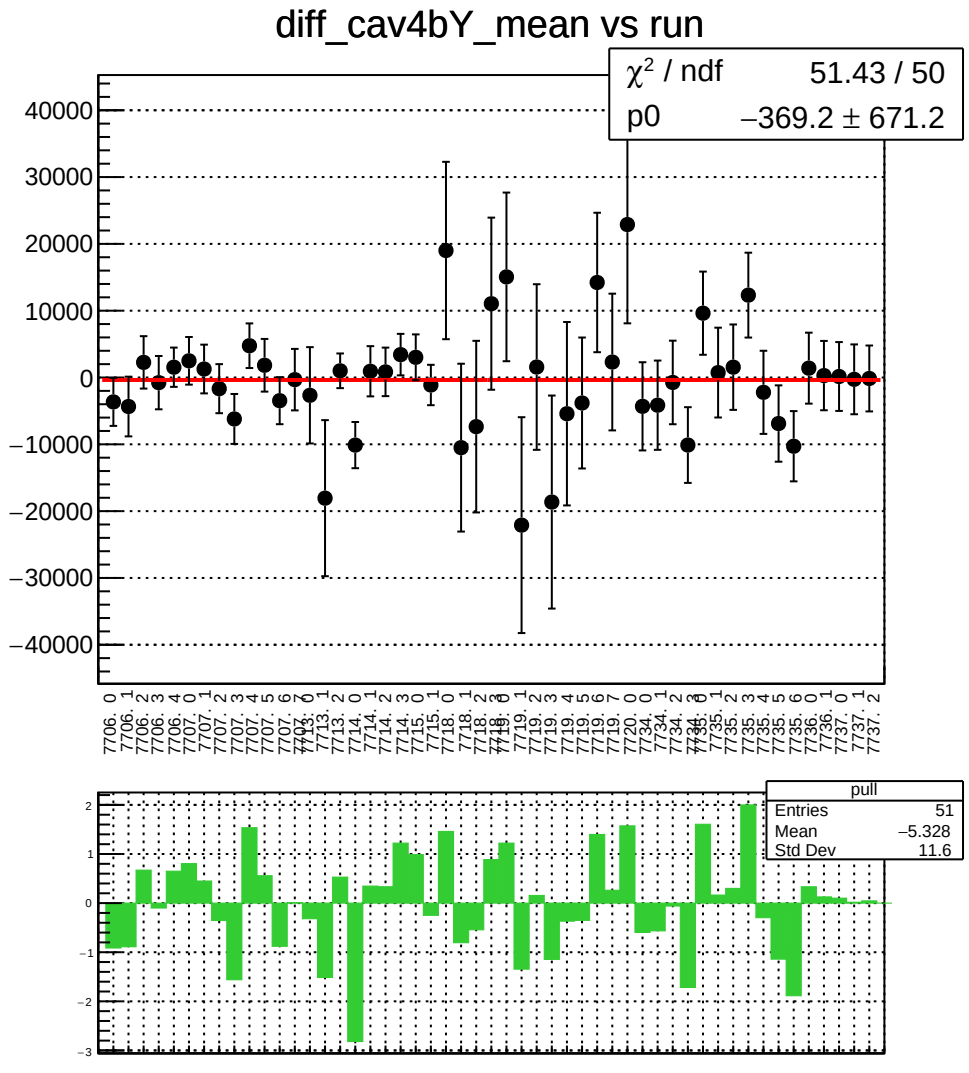

diff_bpm1p03aY_mean vs run
χ² / ndf 43.78 / 50
p0 −1.685 ± 2.599
pull
Entries 51
Mean 34.13
Std Dev 29.49

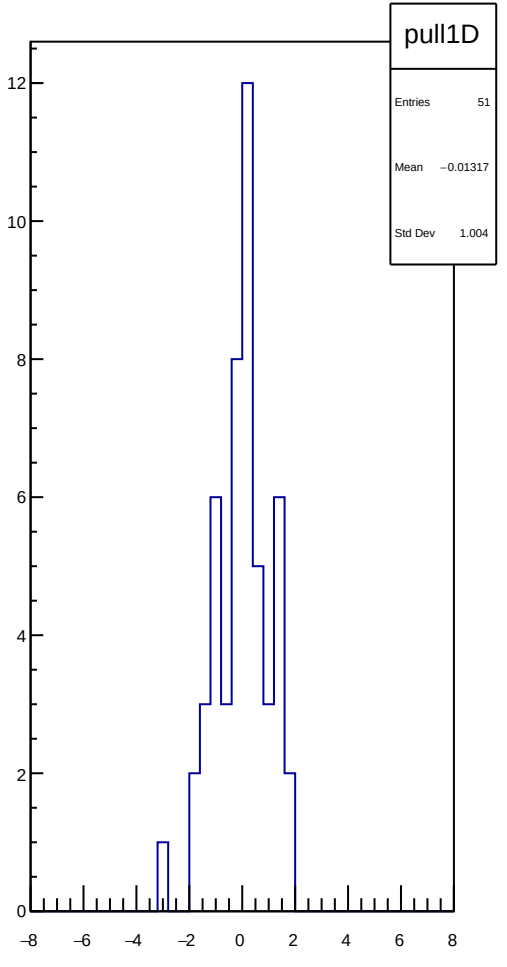

pull1D
Entries 51
Mean −0.02783
Std Dev 0.9261

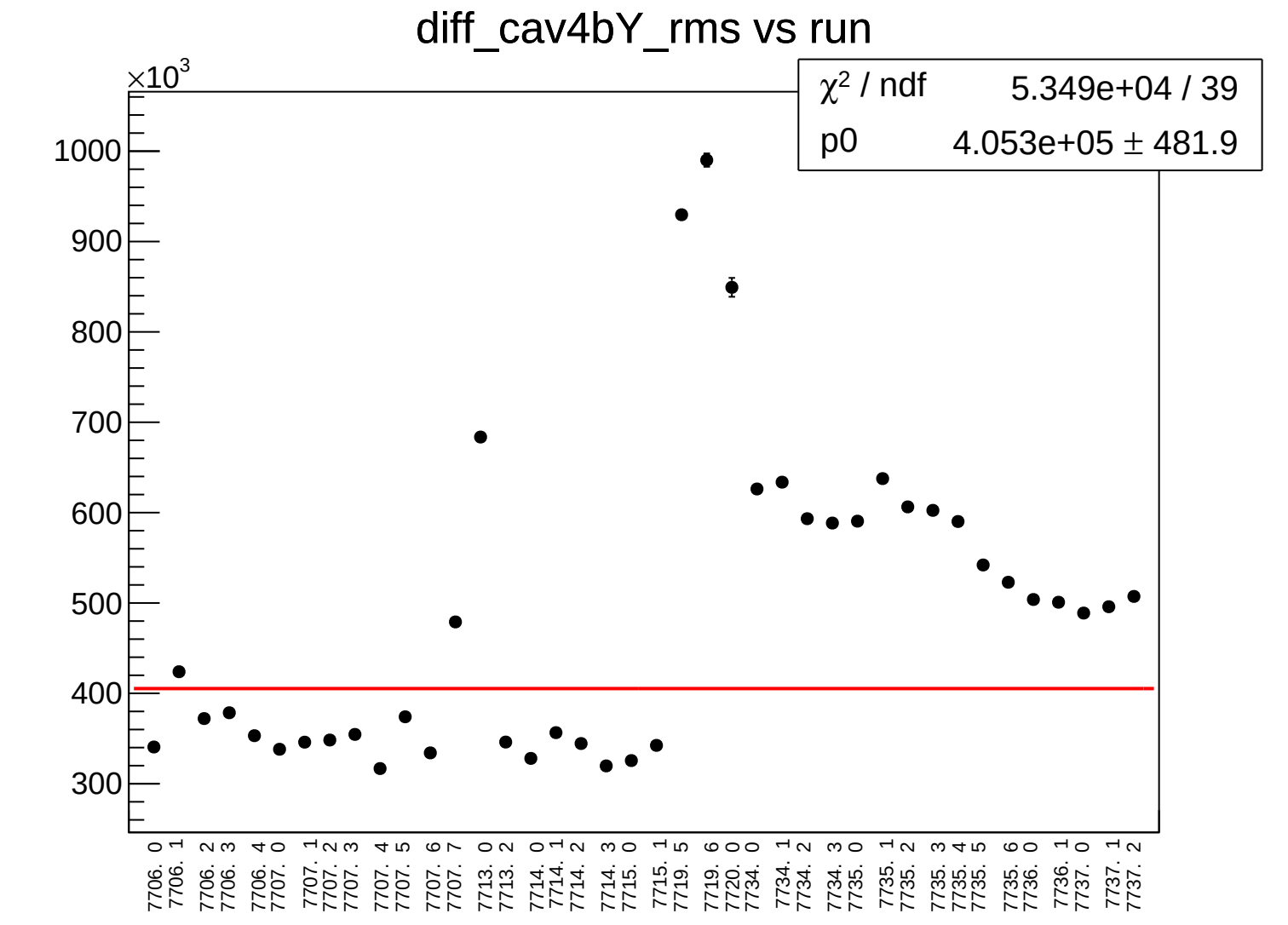

diff_bpm1p03aY_rms vs run
χ² / ndf 2.237e+05 / 50
p0 1583 ± 1.838
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

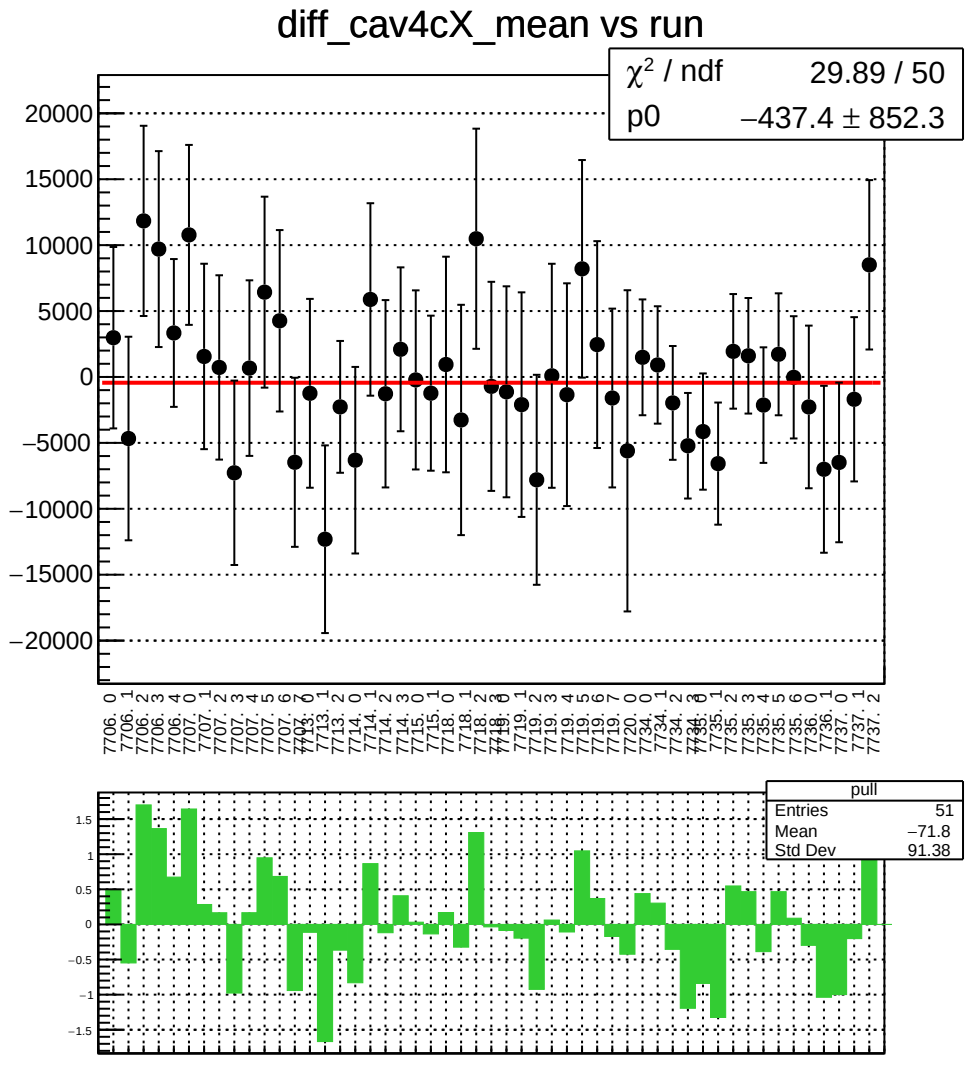

diff_cav4bX_mean vs run
χ² / ndf 30.51 / 50
p0 −1124 ± 1970
40000
20000
0
−20000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −59.24
Std Dev 77.78
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.0323
Std Dev 0.7728
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

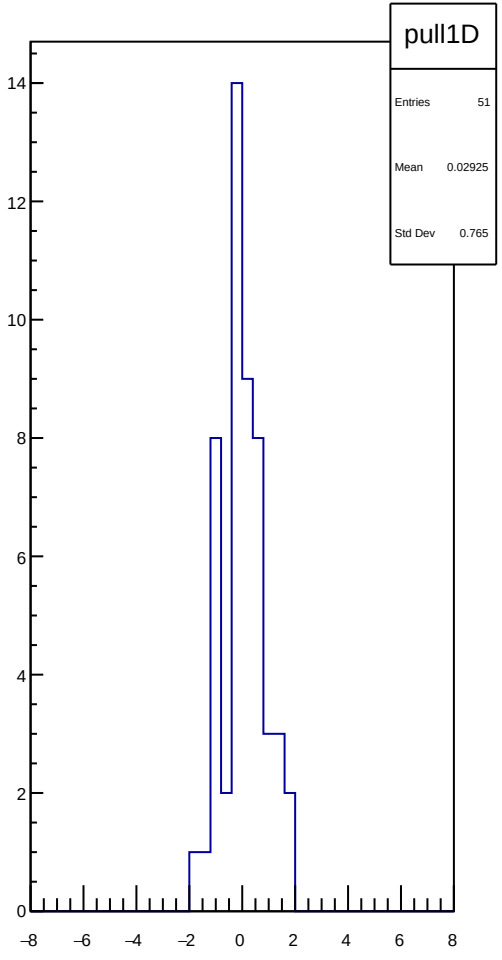

diff_cav4bX_rms vs run
×10^3
990
980
970
960
950
940
930
920
910
χ² / ndf 62.72 / 9
p0 9.421e+05 ± 2199
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5

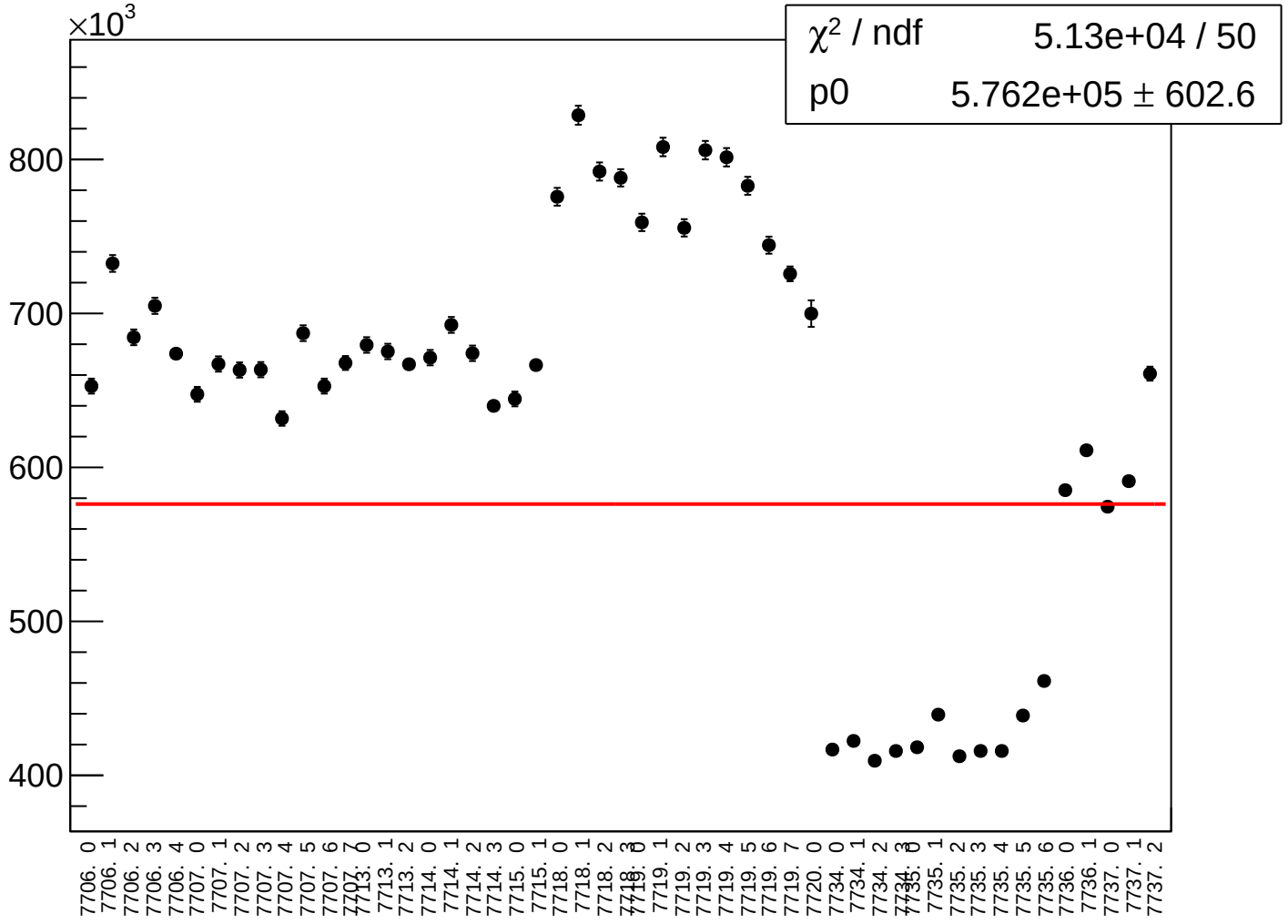

diff_cav4bY_mean vs run
χ² / ndf 51.43 / 50
p0 −369.2 ± 671.2
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −5.328
Std Dev 11.6
2
1
0
−1
−2
−3

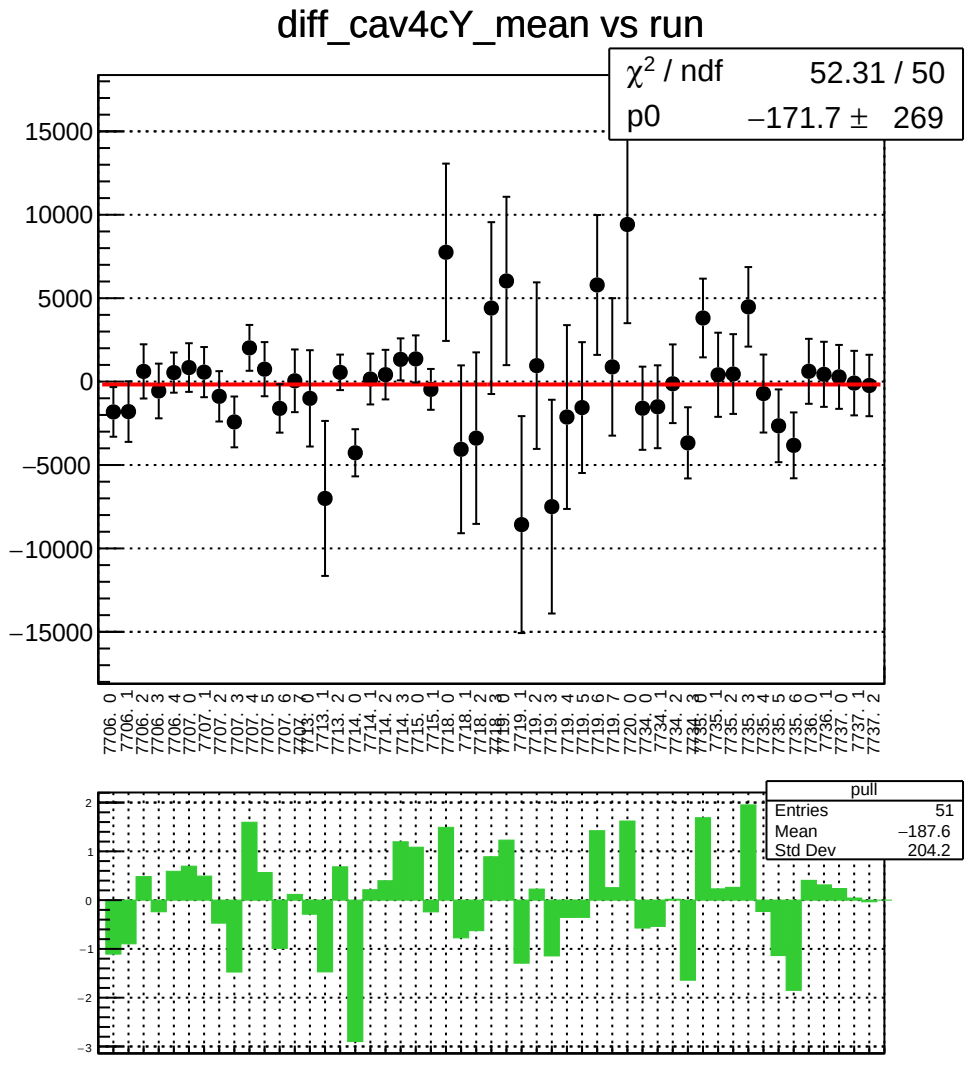

pull1D
Entries 51
Mean −0.01317
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

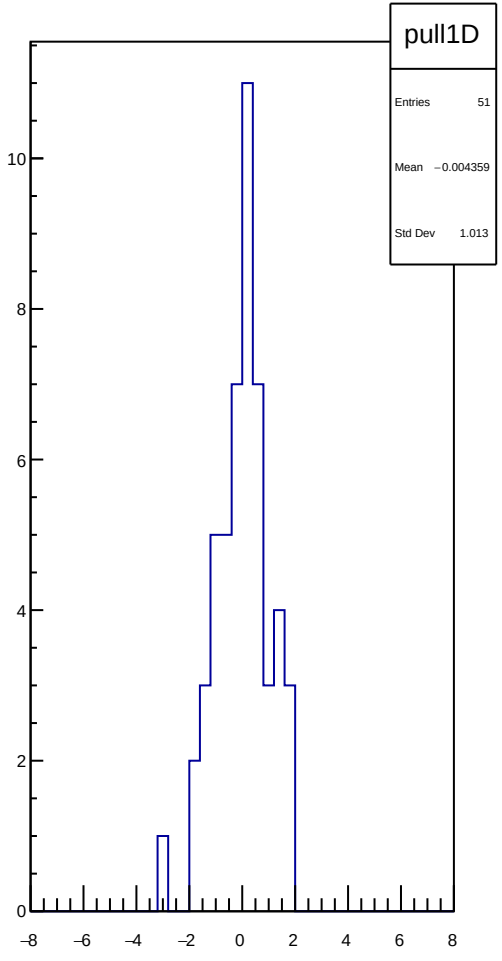

diff_cav4bY_rms vs run
×10^3
χ² / ndf 5.349e+04 / 39
p0 4.053e+05 ± 481.9
1000
900
800
700
600
500
400
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7719. 5
7719. 6
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

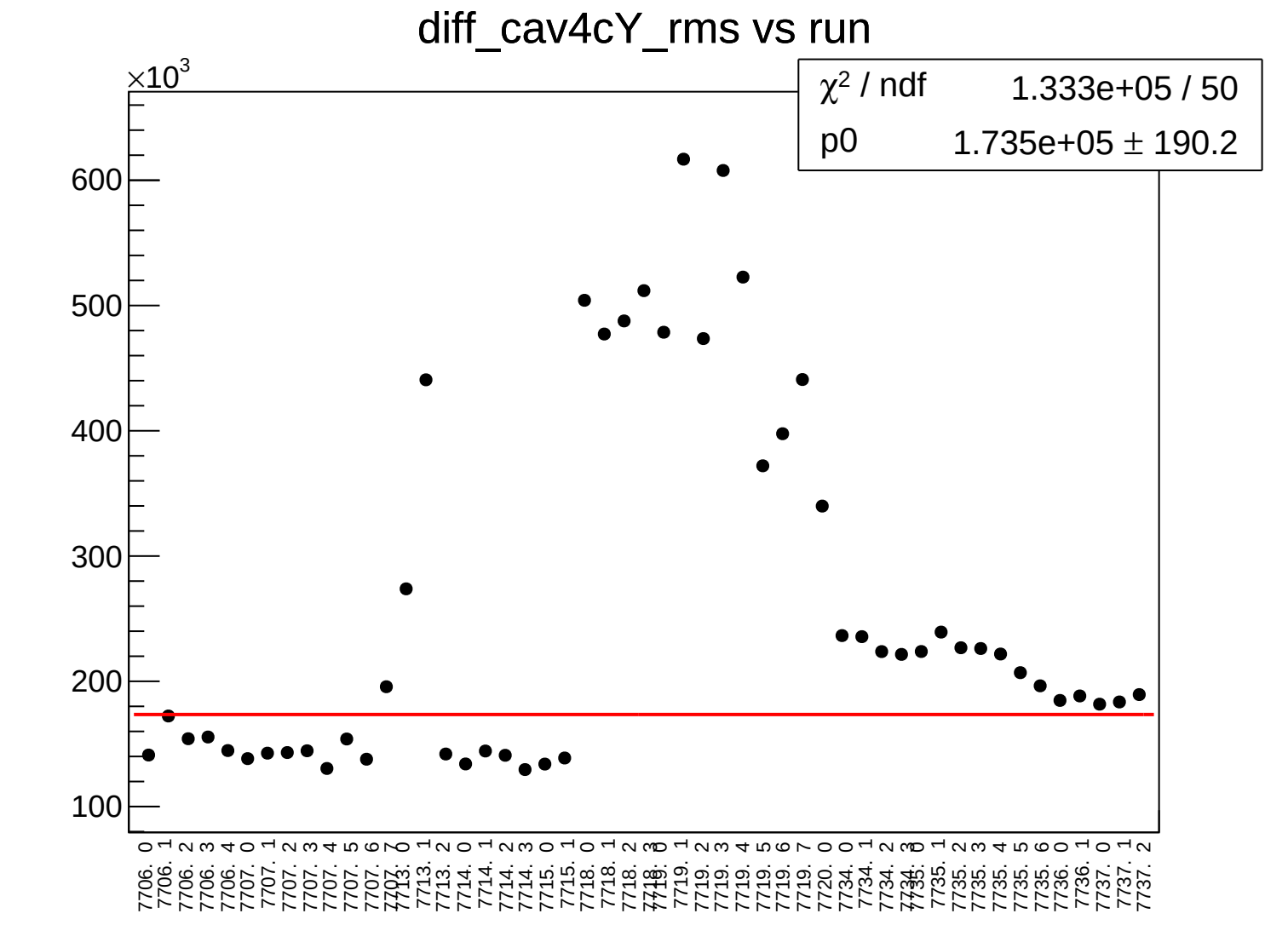

diff_cav4cX_mean vs run
χ² / ndf 29.89 / 50
p0 −437.4 ± 852.3
pull
Entries 51
Mean −71.8
Std Dev 91.38

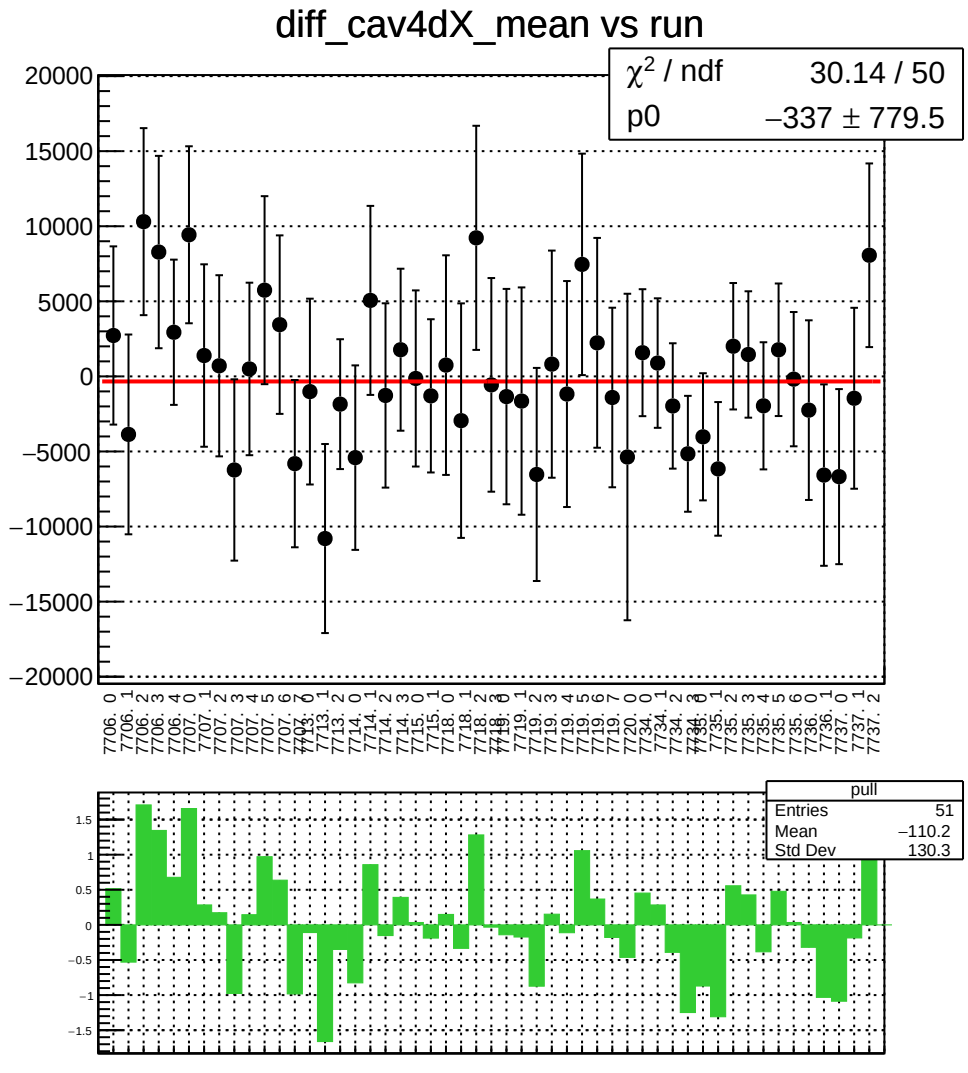

pull1D
Entries 51
Mean 0.02925
Std Dev 0.765

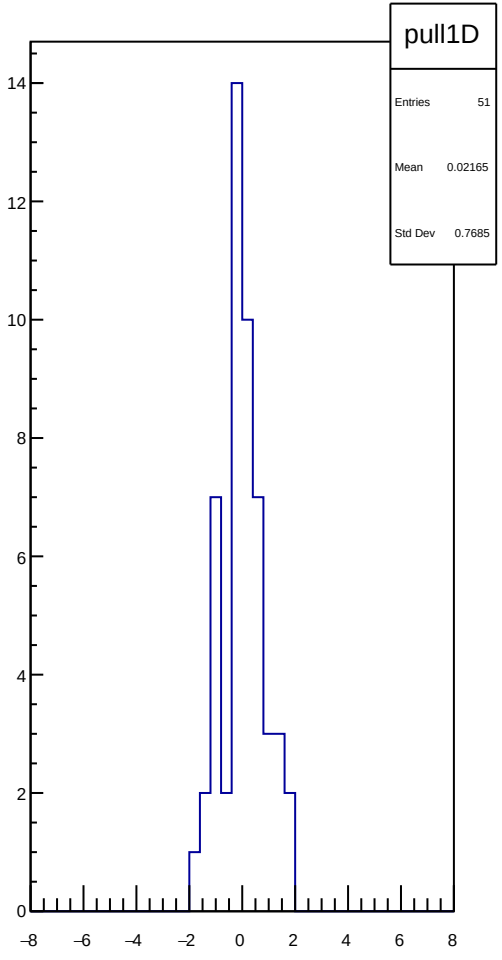

diff_cav4cX_rms vs run
×10^3
χ² / ndf 5.13e+04 / 50
p0 5.762e+05 ± 602.6
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

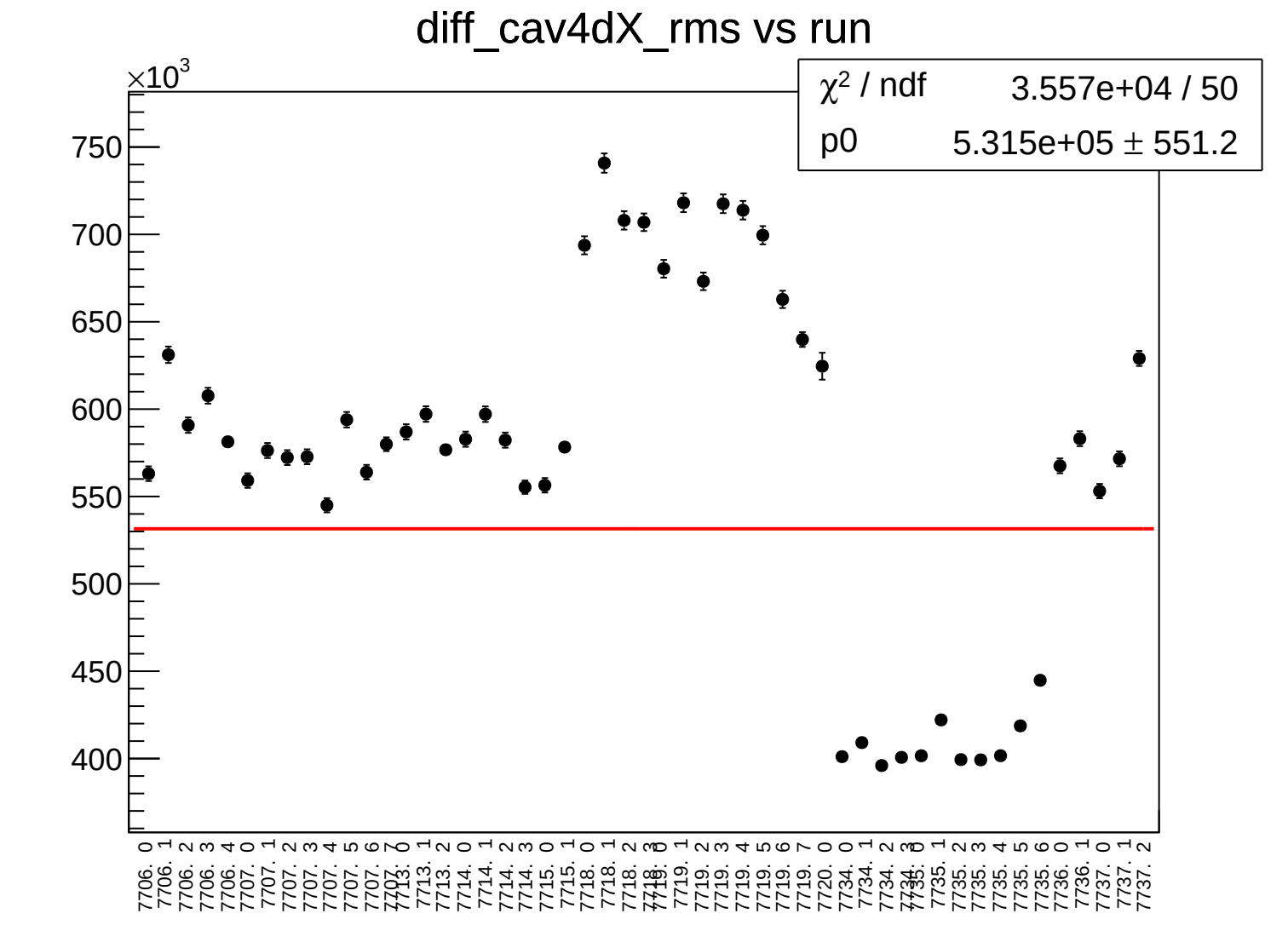

diff_cav4cY_mean vs run
χ² / ndf 52.31 / 50
p0 −171.7 ± 269
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean −187.6
Std Dev 204.2
2
1
0
−1
−2
−3

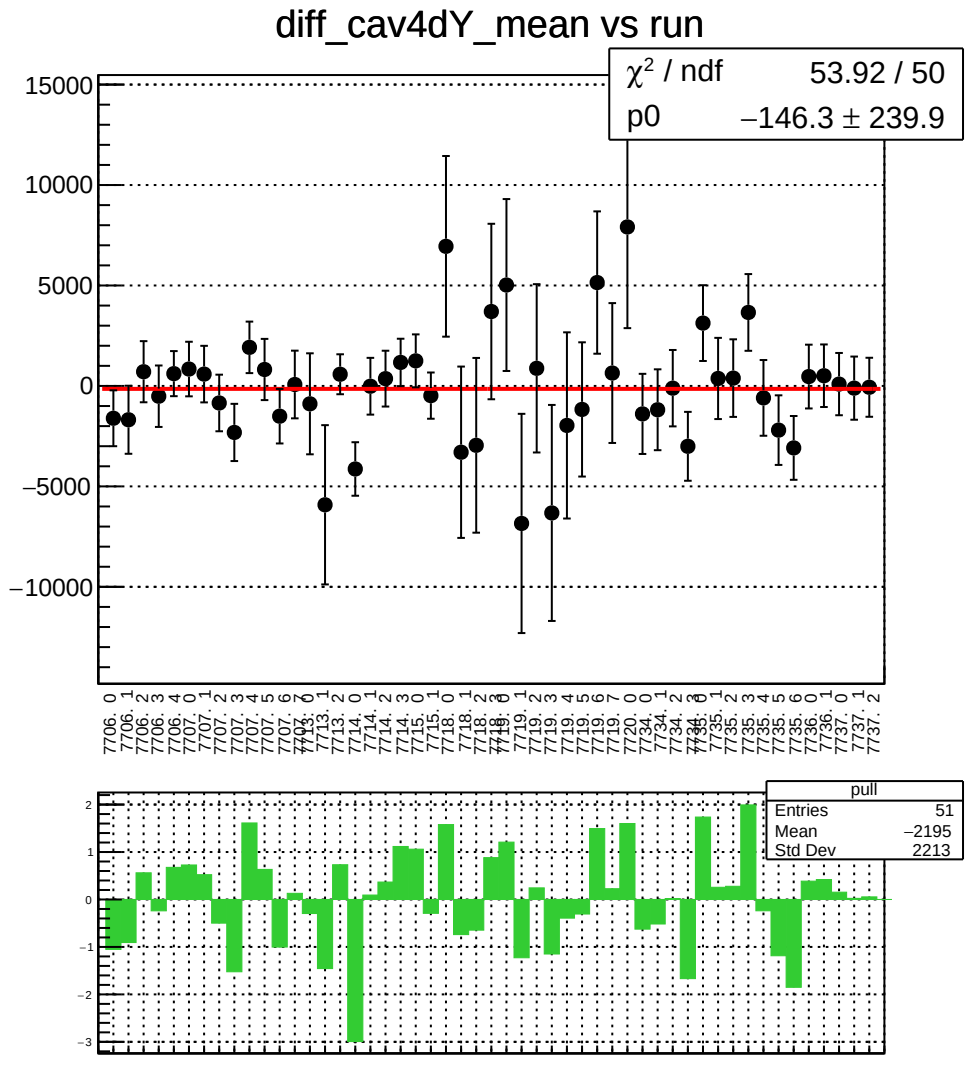

pull1D
Entries 51
Mean −0.004359
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

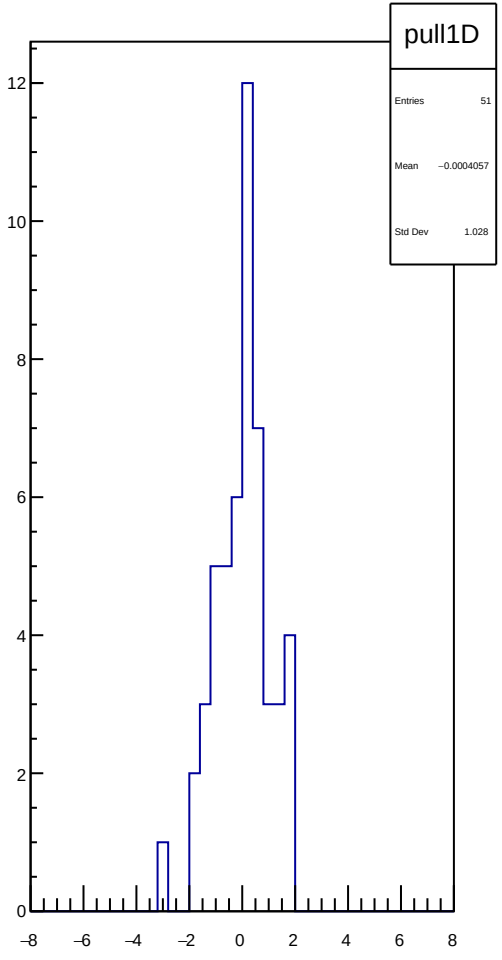

diff_cav4cY_rms vs run
×10^3
χ² / ndf 1.333e+05 / 50
p0 1.735e+05 ± 190.2
600
500
400
300
200
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

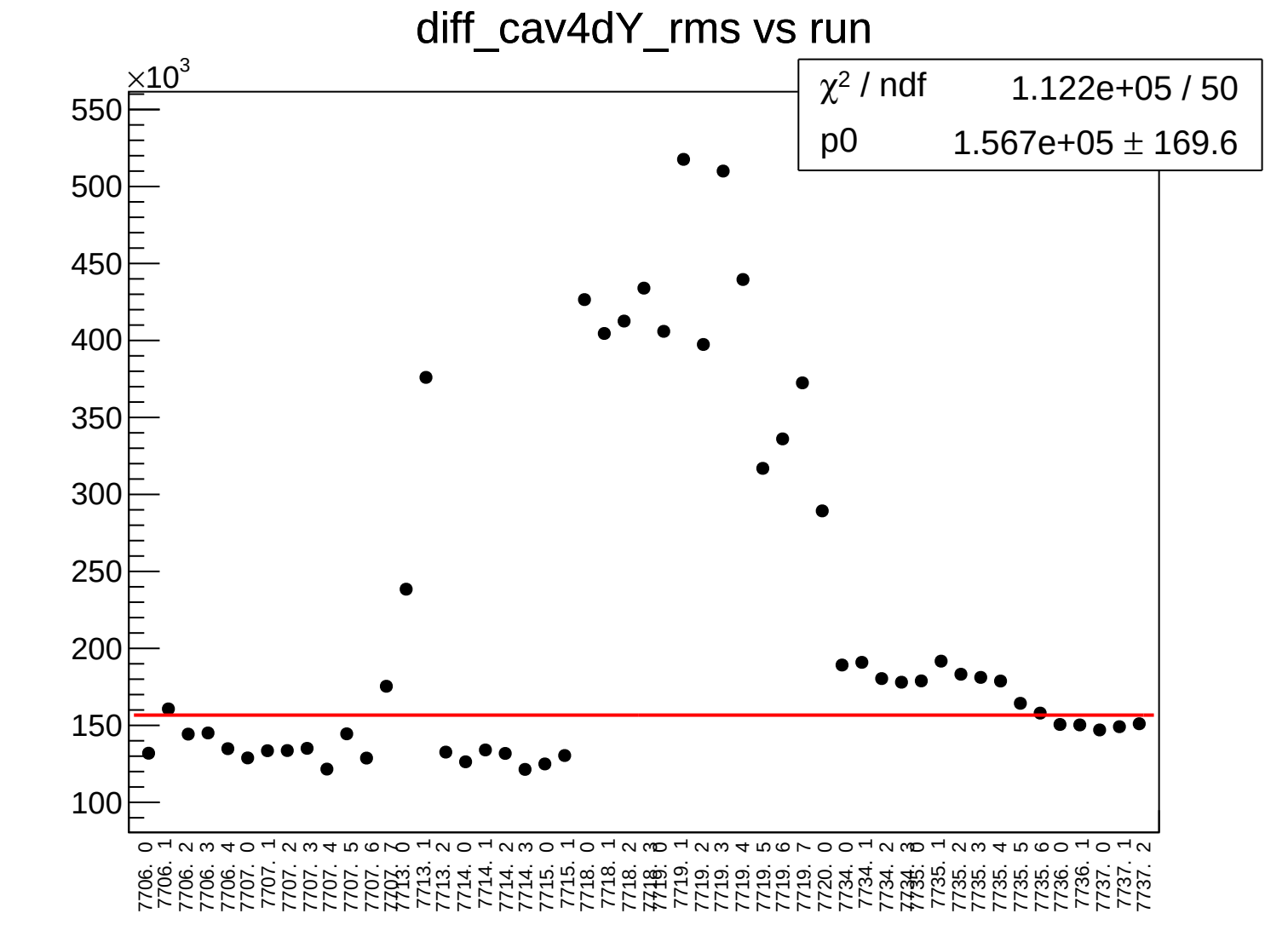

diff_cav4dX_mean vs run
χ² / ndf 30.14 / 50
p0 −337 ± 779.5
pull
Entries 51
Mean −110.2
Std Dev 130.3

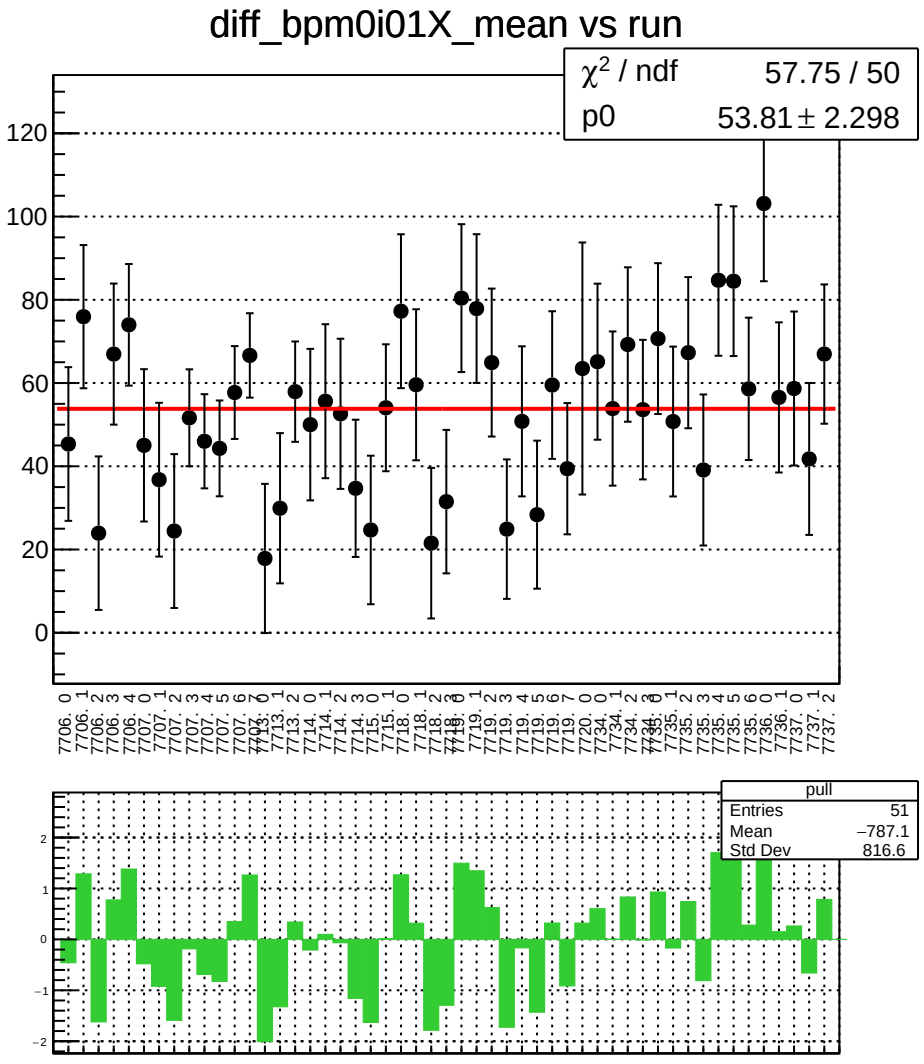

pull1D
Entries 51
Mean 0.02165
Std Dev 0.7685

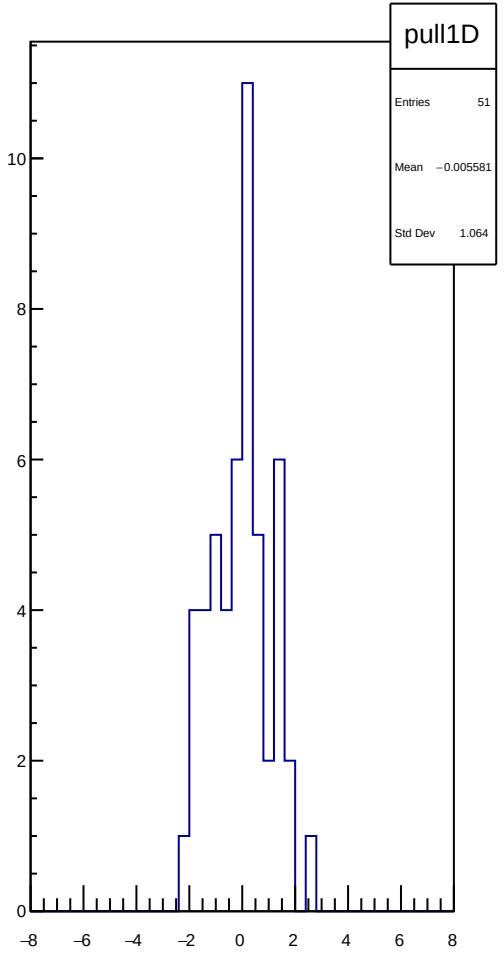

diff_cav4dX_rms vs run
×10^3
χ² / ndf 3.557e+04 / 50
p0 5.315e+05 ± 551.2
750
700
650
600
550
500
450
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

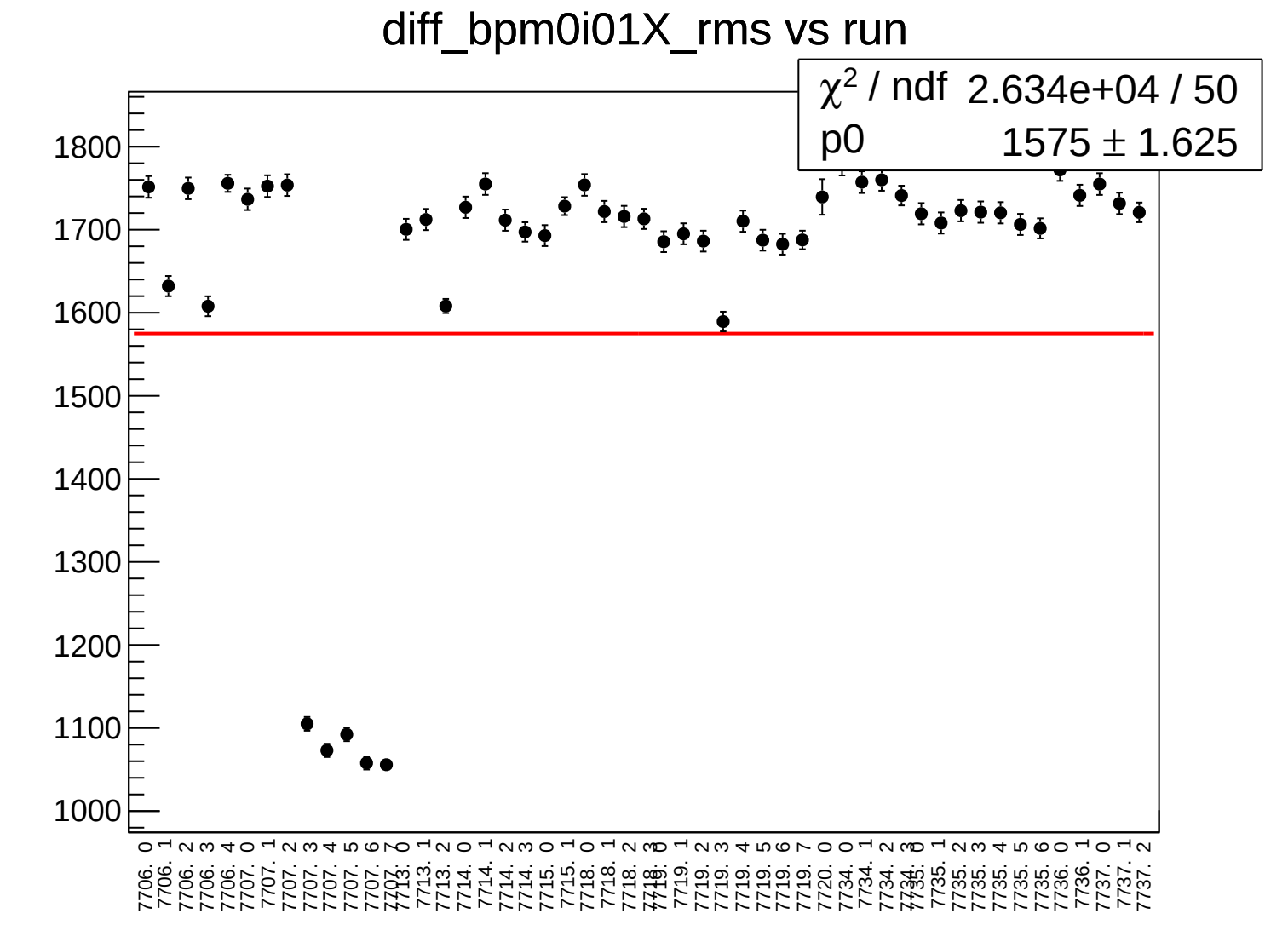

diff_cav4dY_mean vs run
χ² / ndf 53.92 / 50
p0 −146.3 ± 239.9
15000
10000
5000
0
−5000
−10000
pull
Entries 51
Mean −2195
Std Dev 2213
2
1
0
−1
−2
−3

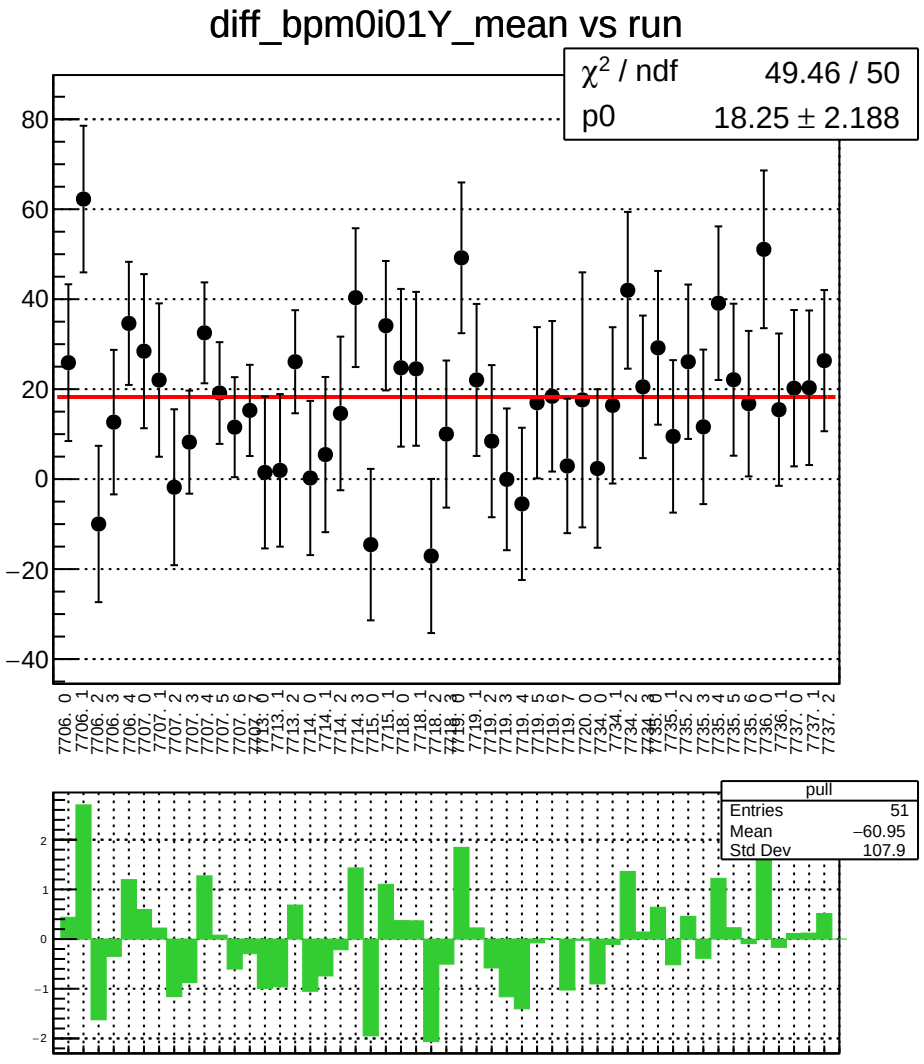

pull1D
Entries 51
Mean −0.0004057
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

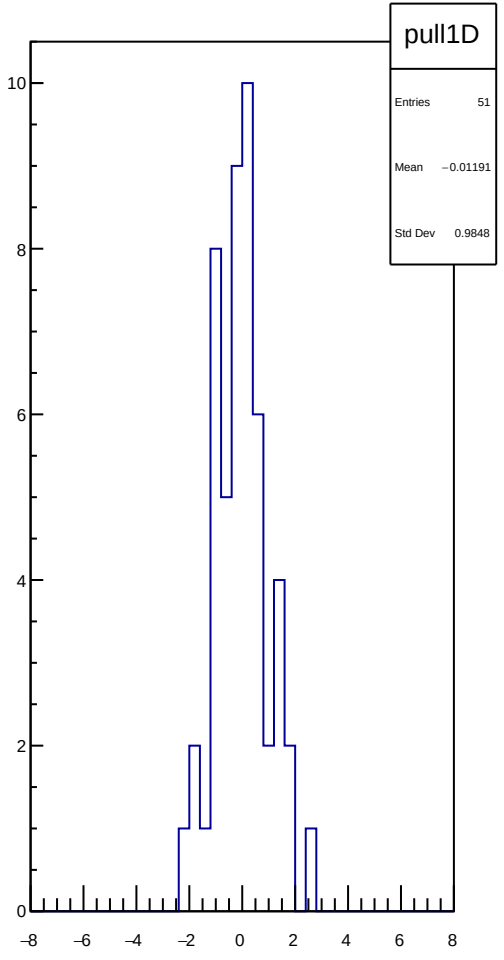

diff_cav4dY_rms vs run
×10^3
χ² / ndf 1.122e+05 / 50
p0 1.567e+05 ± 169.6
550
500
450
400
350
300
250
200
150
100
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

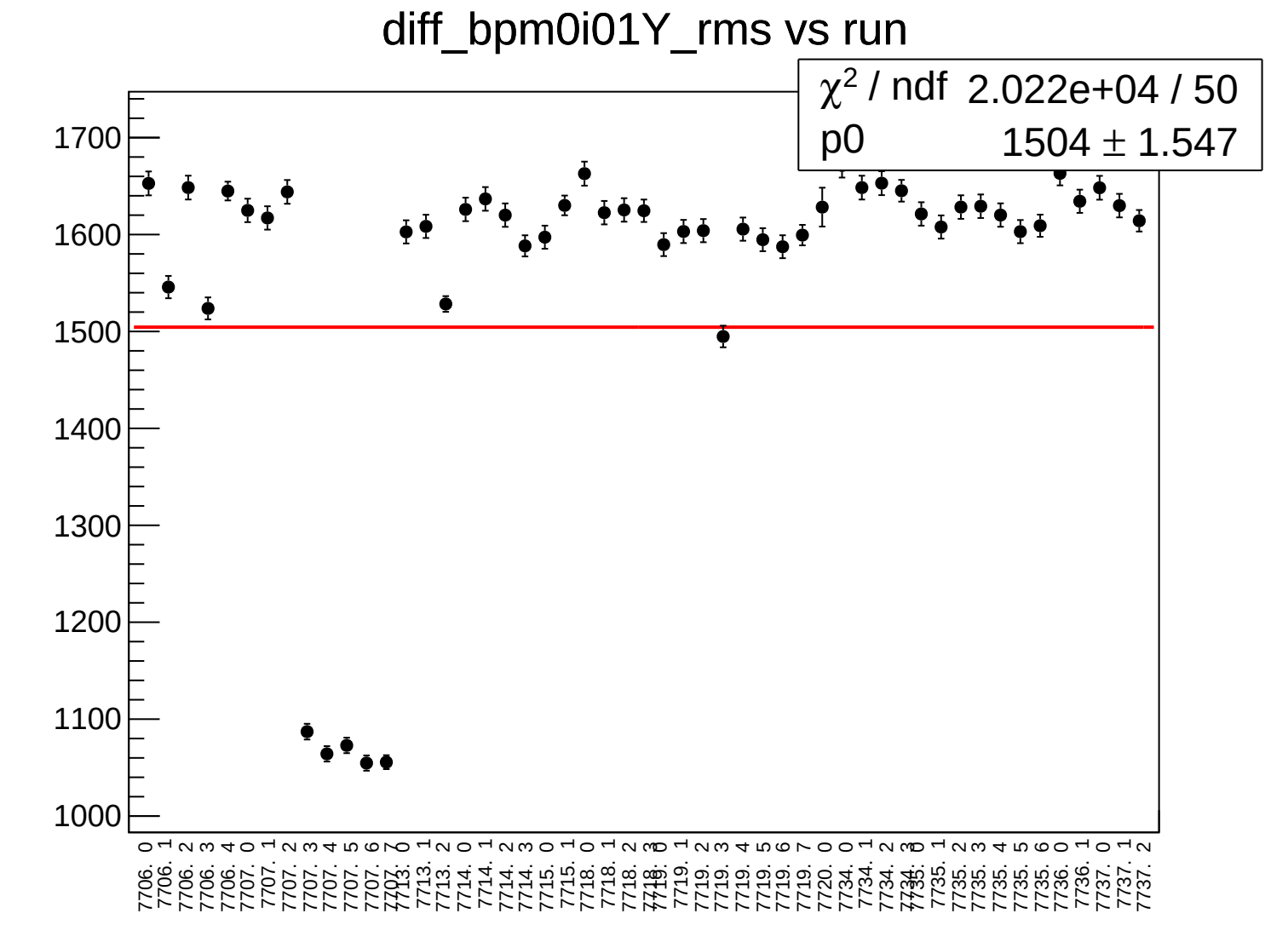

diff_bpm0i01X_mean vs run
χ² / ndf 57.75 / 50
p0 53.81 ± 2.298
pull
Entries 51
Mean −787.1
Std Dev 816.6

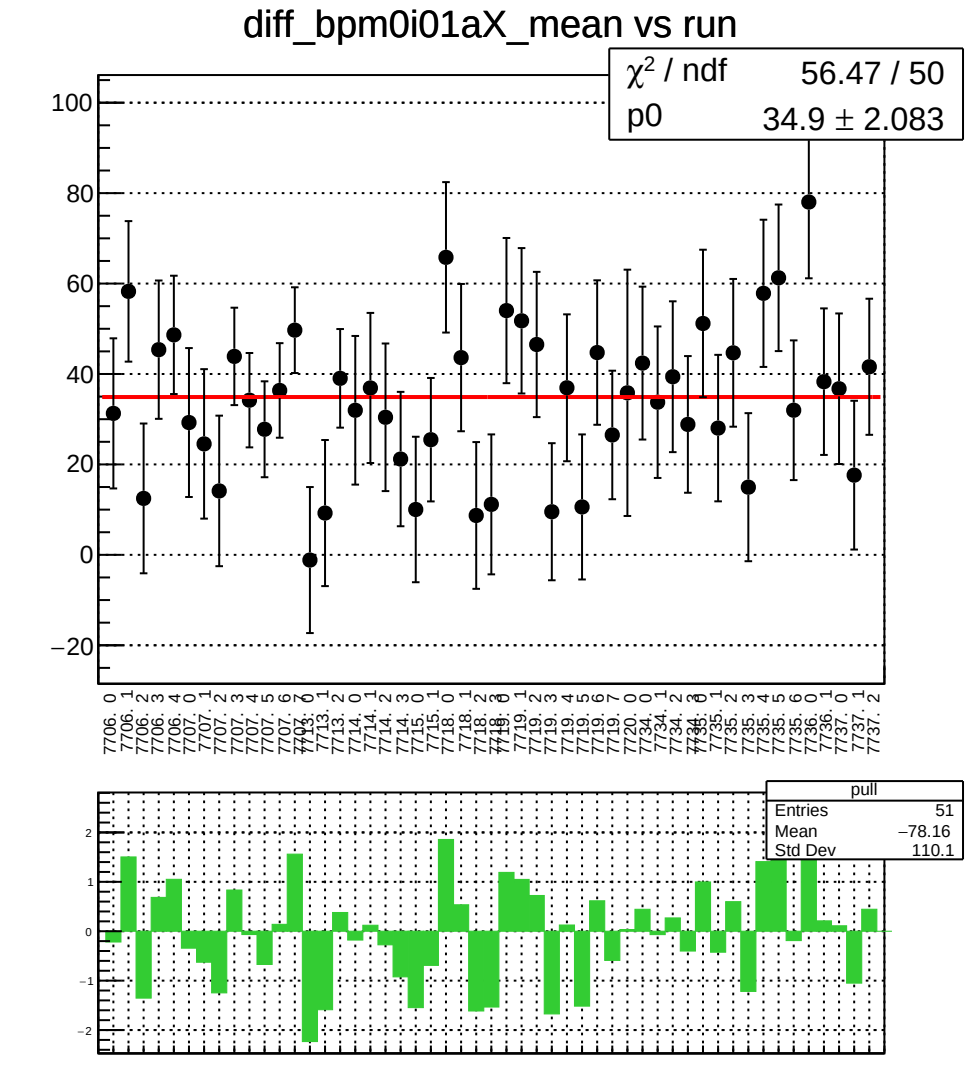

pull1D
Entries 51
Mean −0.005581
Std Dev 1.064

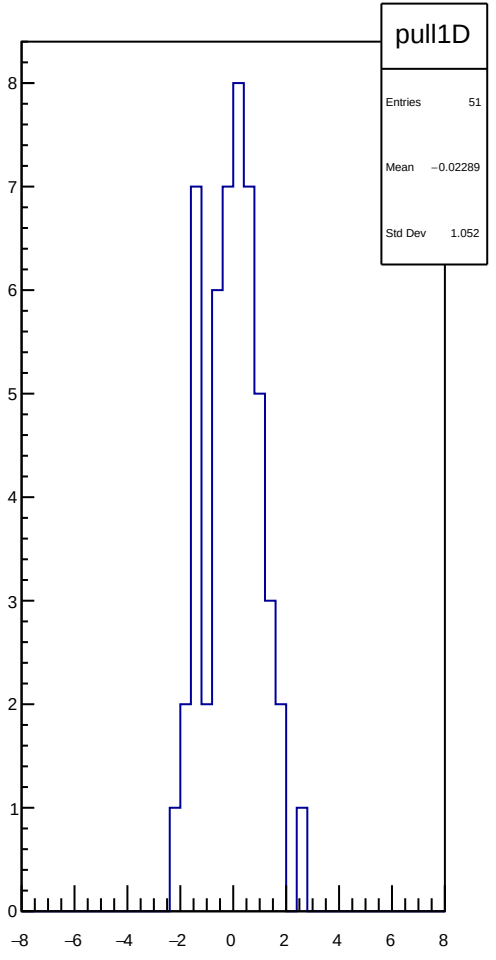

diff_bpm0i01X_rms vs run
χ² / ndf 2.634e+04 / 50
p0 1575 ± 1.625
1800
1700
1600
1500
1400
1300
1200
1100
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

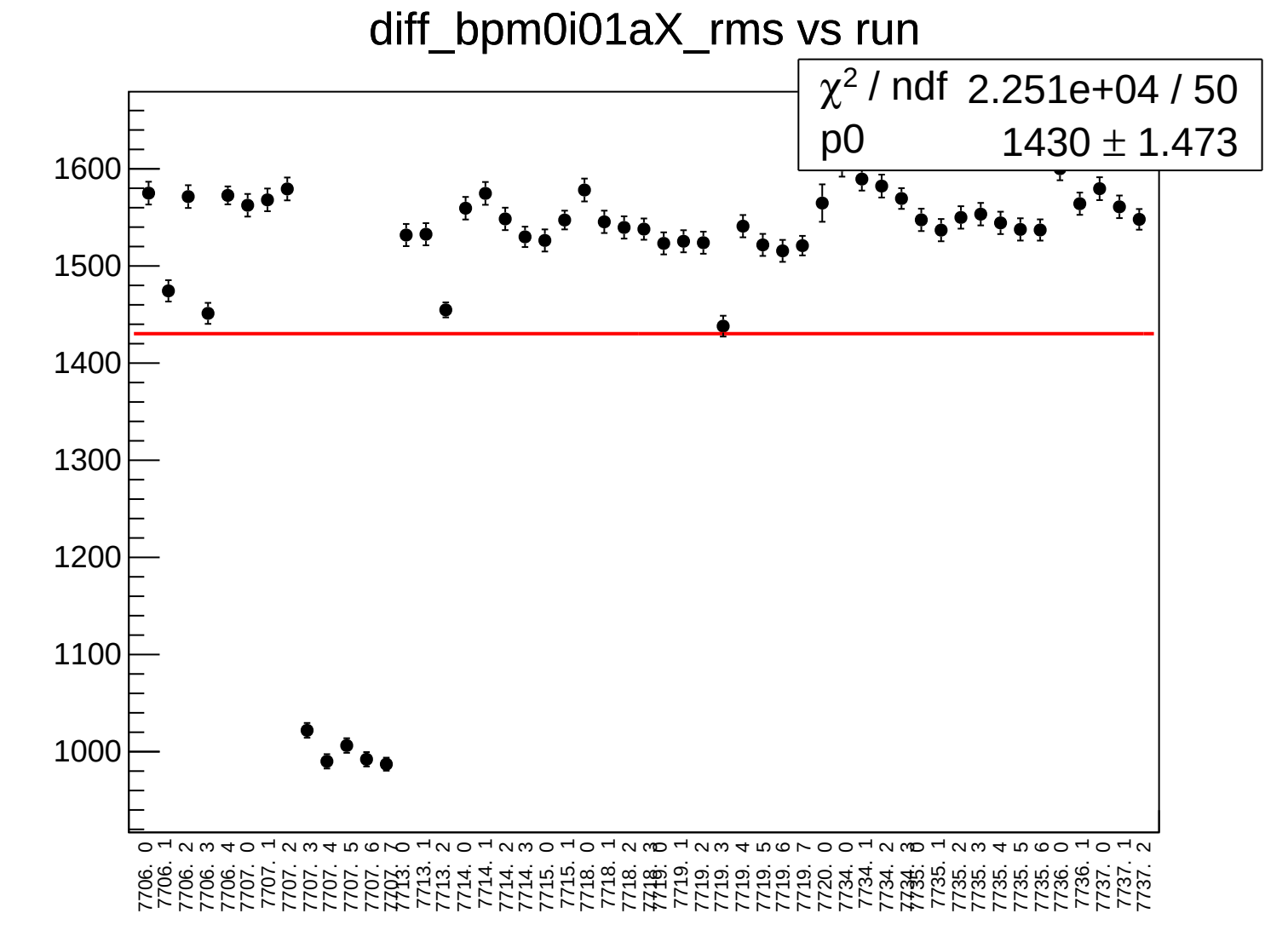

diff_bpm0i01Y_mean vs run
χ² / ndf 49.46 / 50
p0 18.25 ± 2.188
pull
Entries 51
Mean −60.95
Std Dev 107.9

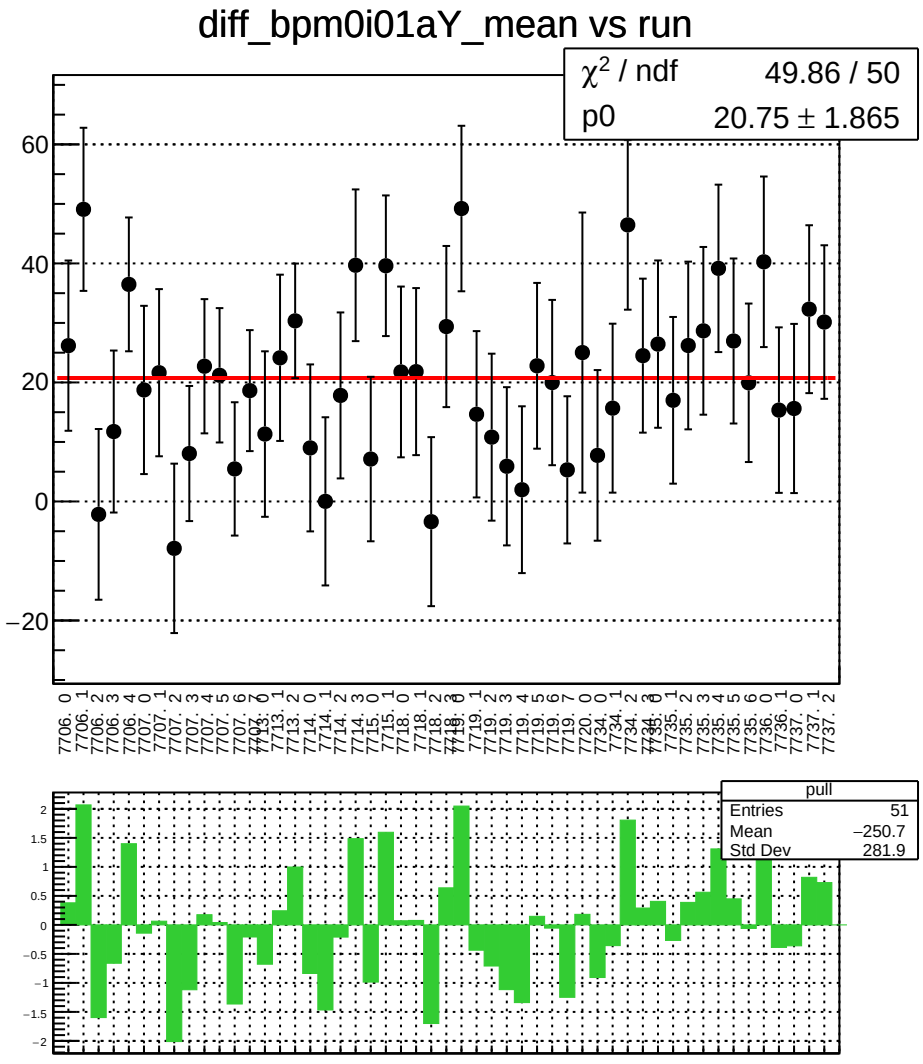

pull1D
Entries 51
Mean −0.01191
Std Dev 0.9848

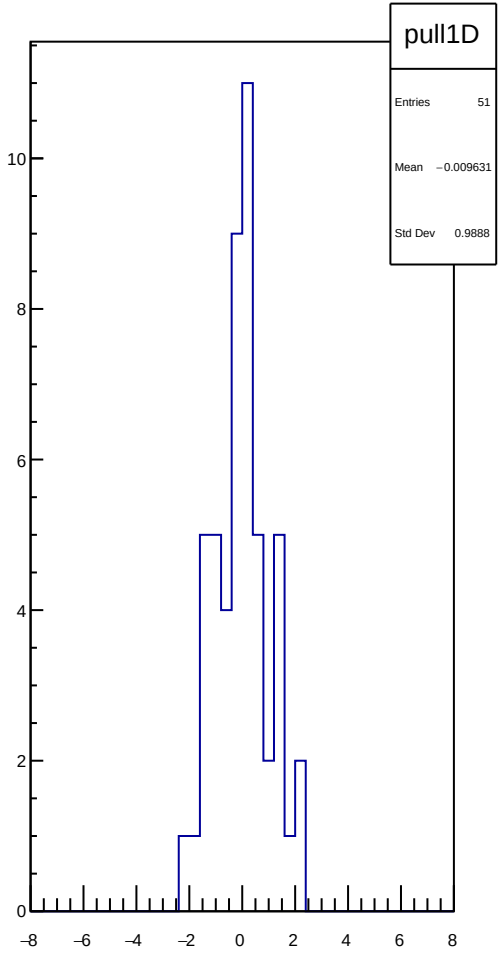

diff_bpm0i01Y_rms vs run
χ² / ndf 2.022e+04 / 50
p0 1504 ± 1.547
1700
1600
1500
1400
1300
1200
1100
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

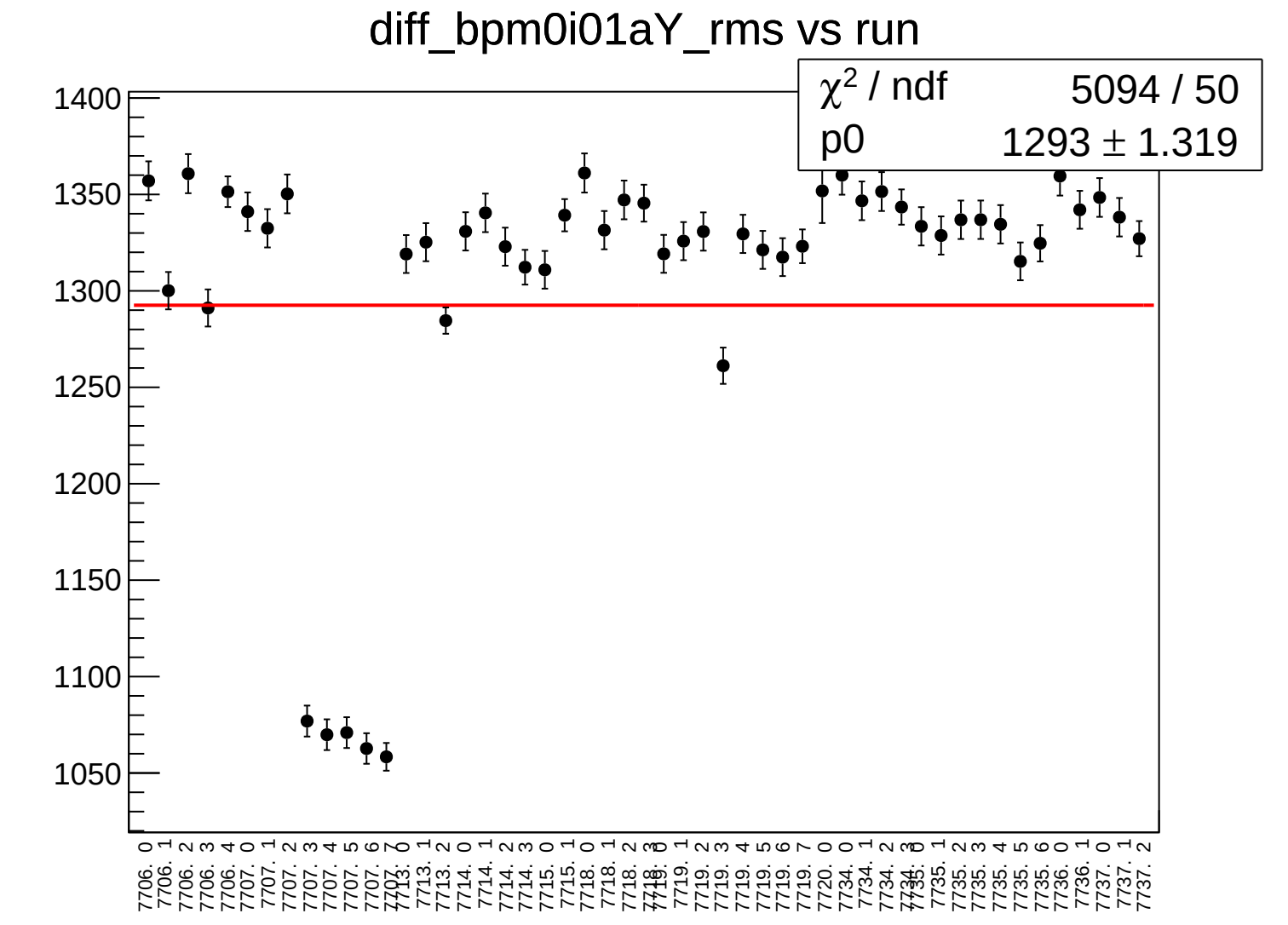

diff_bpm0i01aX_mean vs run
χ² / ndf 56.47 / 50
p0 34.9 ± 2.083
pull
Entries 51
Mean −78.16
Std Dev 110.1

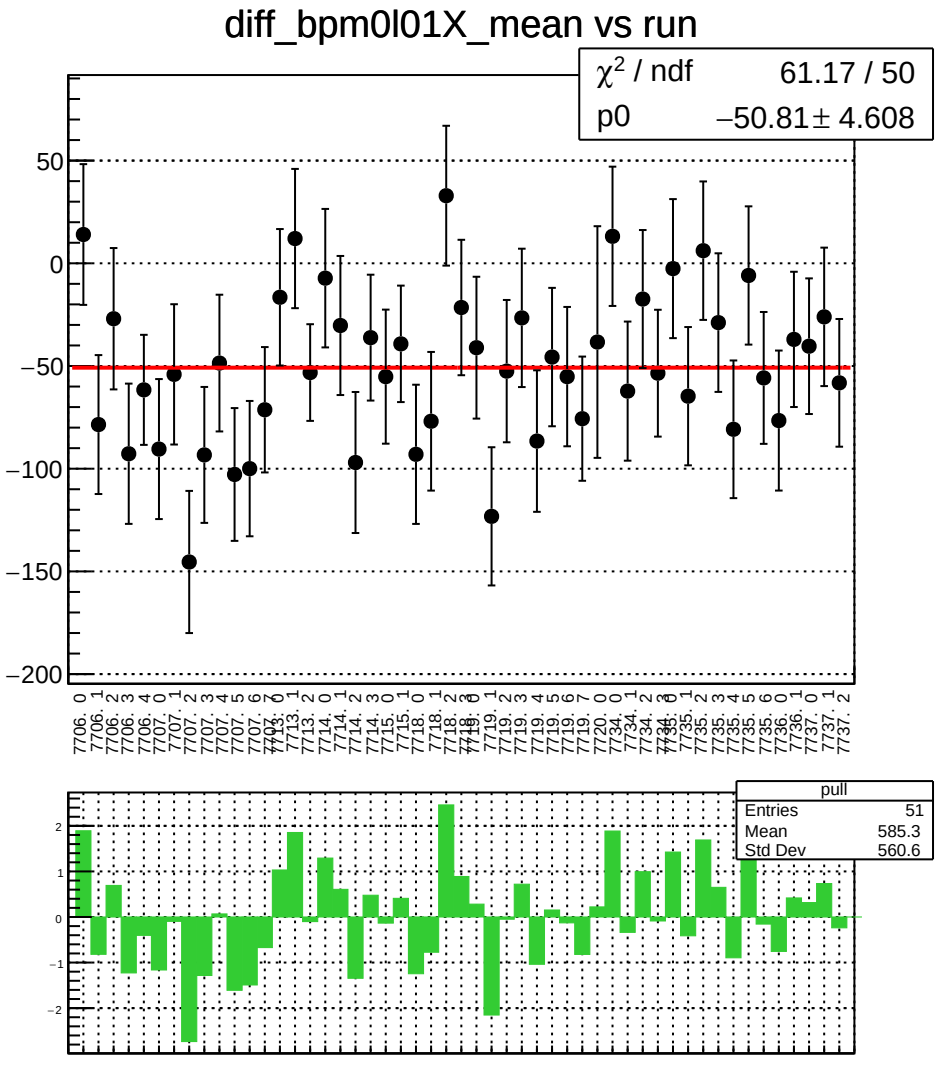

pull1D
Entries 51
Mean −0.02289
Std Dev 1.052

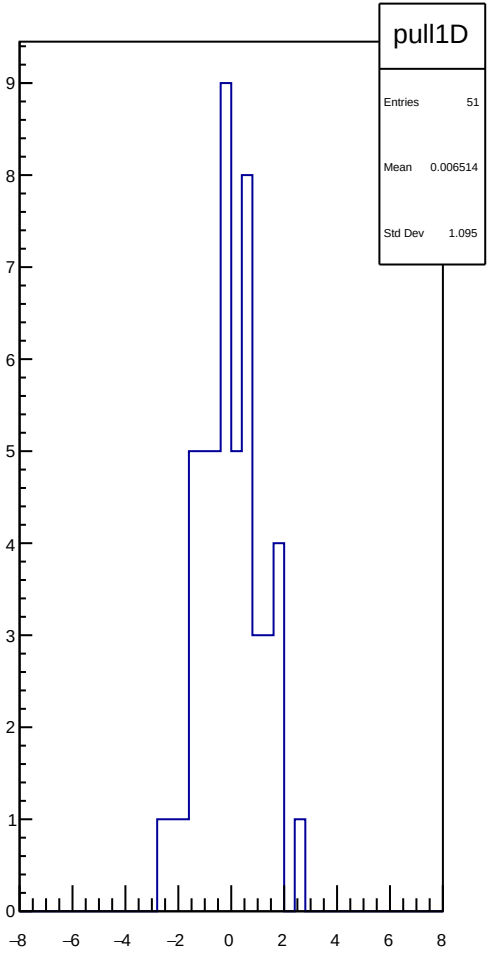

diff_bpm0i01aX_rms vs run
χ² / ndf 2.251e+04 / 50
p0 1430 ± 1.473
1600
1500
1400
1300
1200
1100
1000
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

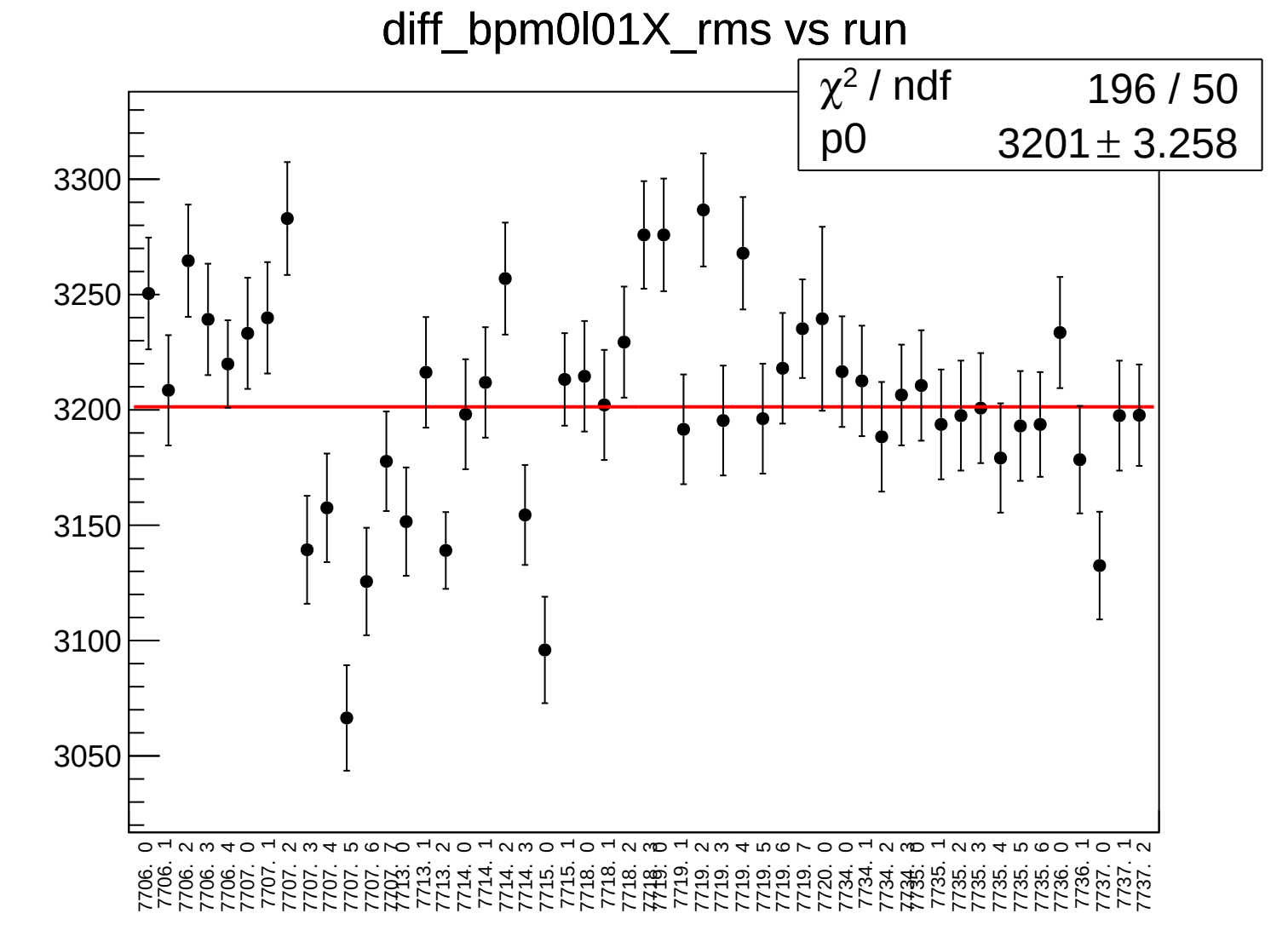

diff_bpm0i01aY_mean vs run
χ² / ndf 49.86 / 50
p0 20.75 ± 1.865
pull
Entries 51
Mean −250.7
Std Dev 281.9

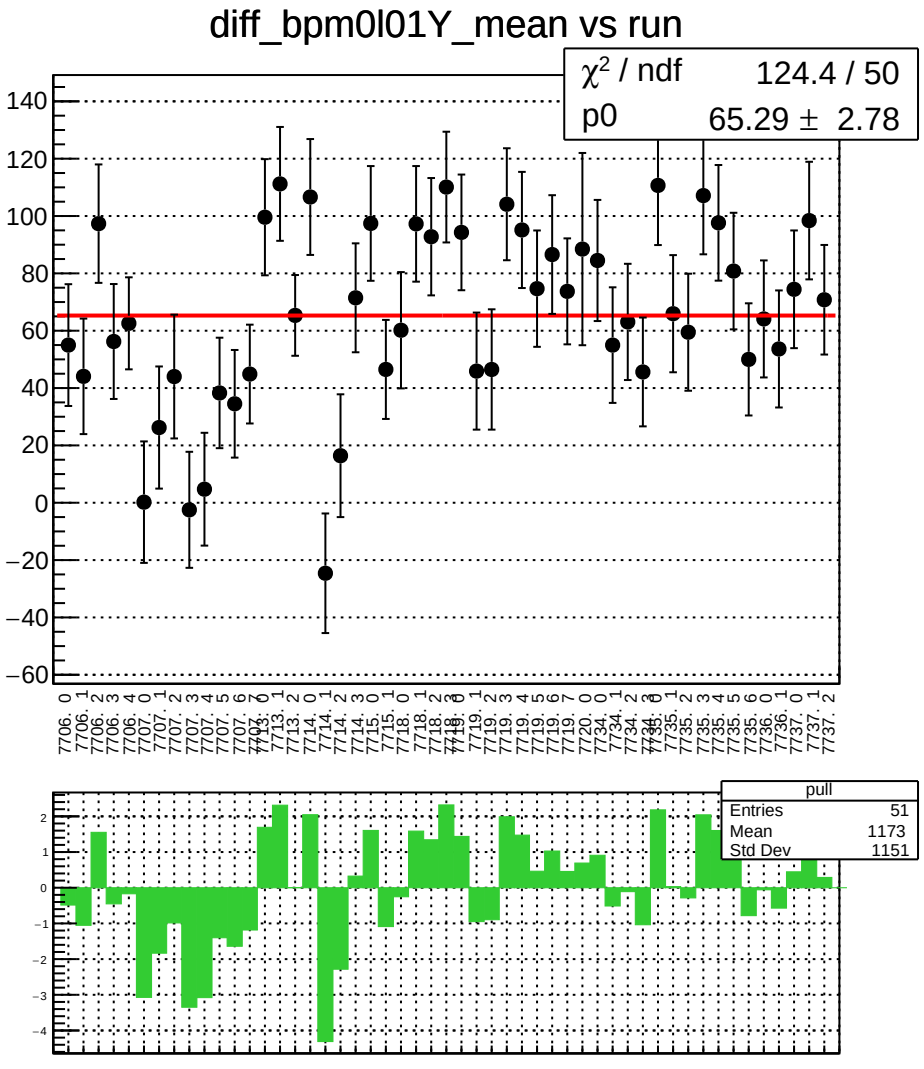

pull1D
Entries 51
Mean −0.009631
Std Dev 0.9888

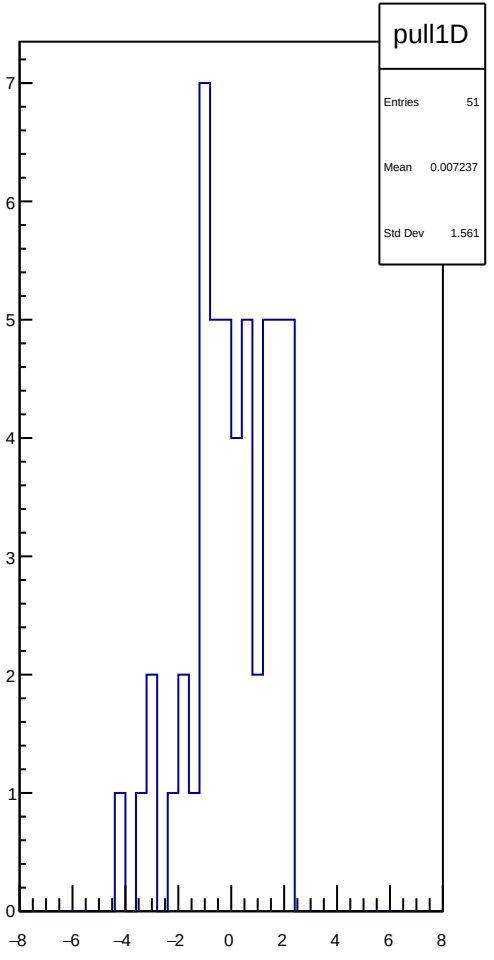

diff_bpm0i01aY_rms vs run
χ² / ndf 5094 / 50
p0 1293 ± 1.319
1400
1350
1300
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

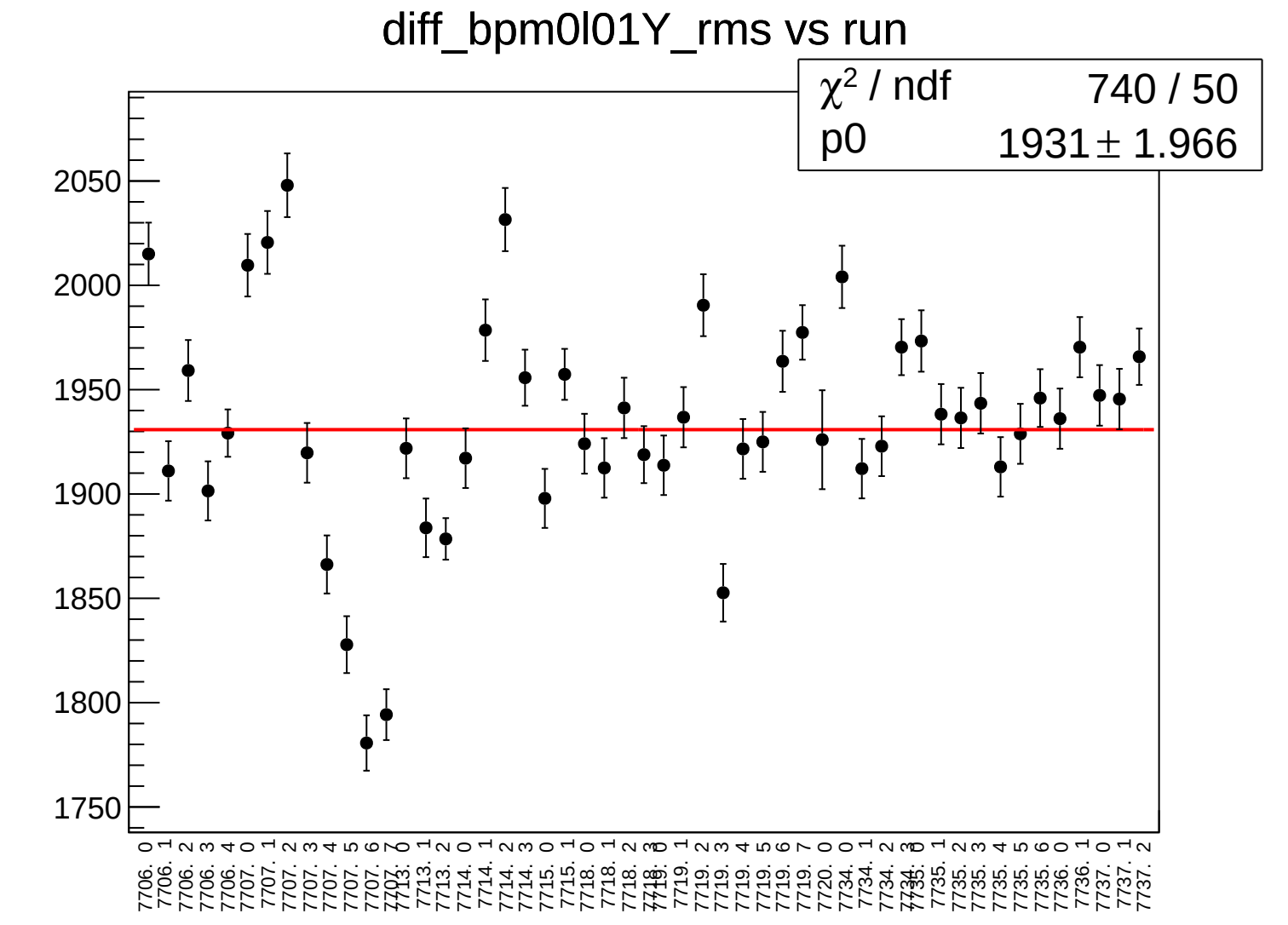

diff_bpm0l01X_mean vs run
χ² / ndf 61.17 / 50
p0 −50.81 ± 4.608
50
0
−50
−100
−150
−200
pull
Entries 51
Mean 585.3
Std Dev 560.6
2
1
0
−1
−2

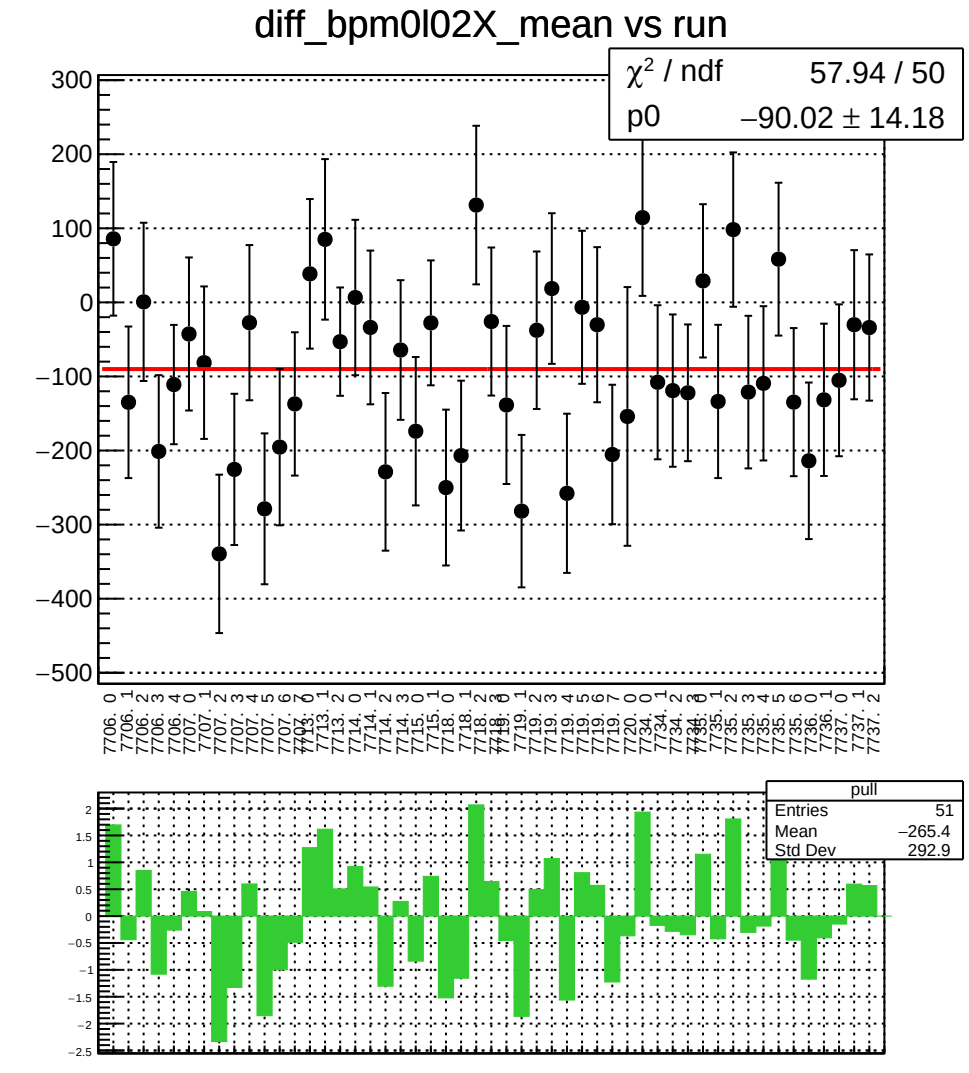

pull1D
Entries 51
Mean 0.006514
Std Dev 1.095
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

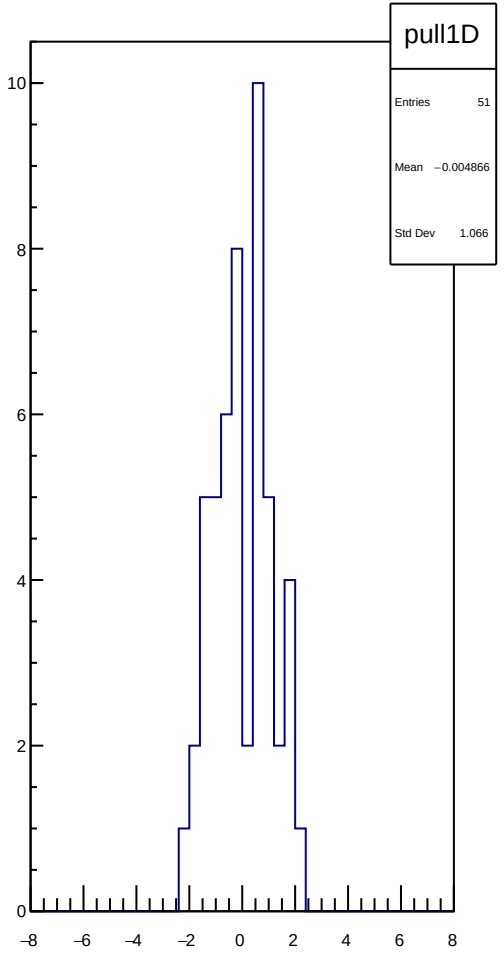

diff_bpm0l01X_rms vs run
χ² / ndf 196 / 50
p0 3201 ± 3.258
3300
3250
3200
3150
3100
3050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

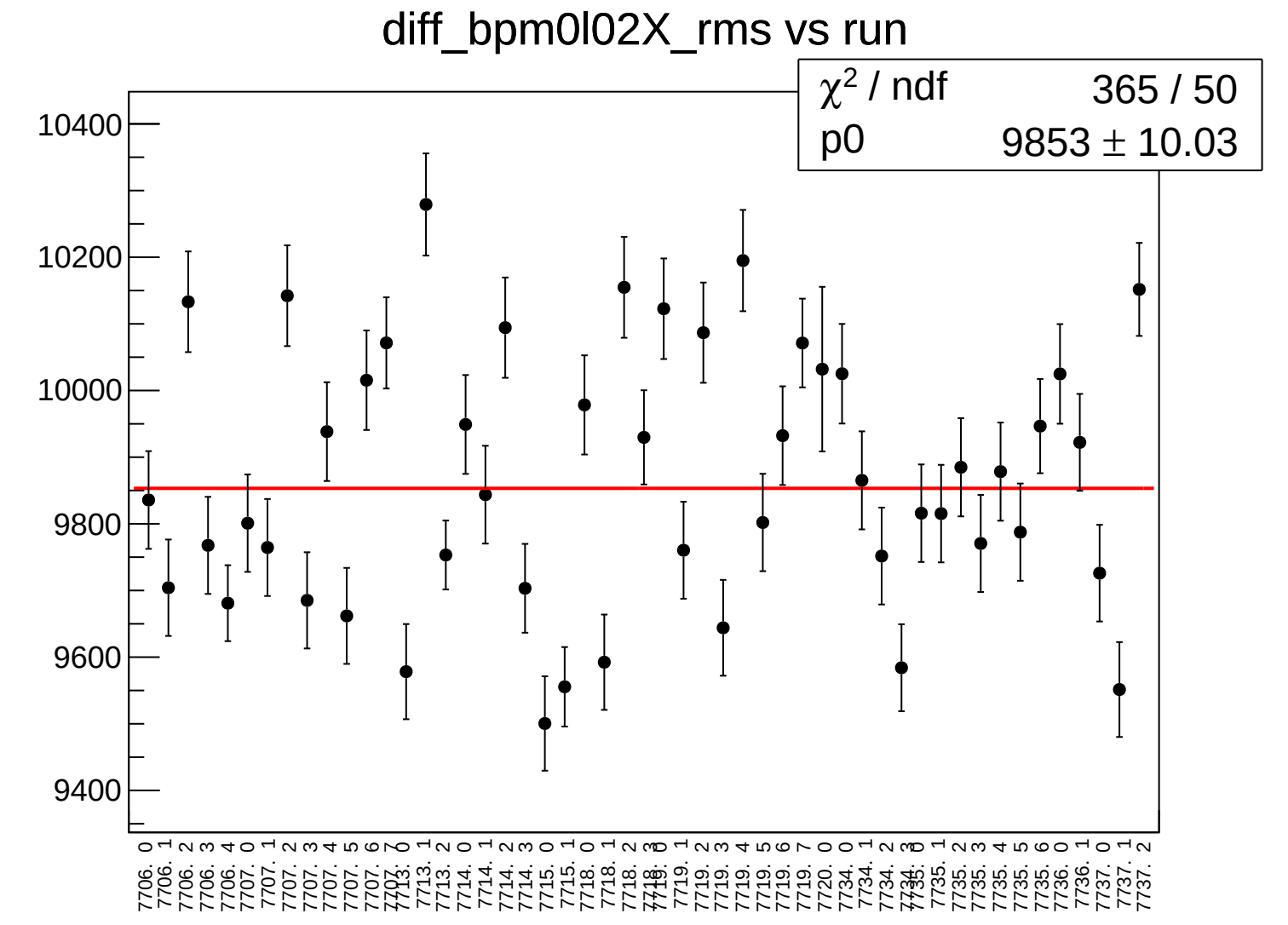

diff_bpm0l01Y_mean vs run
χ² / ndf 124.4 / 50
p0 65.29 ± 2.78
pull
Entries 51
Mean 1173
Std Dev 1151

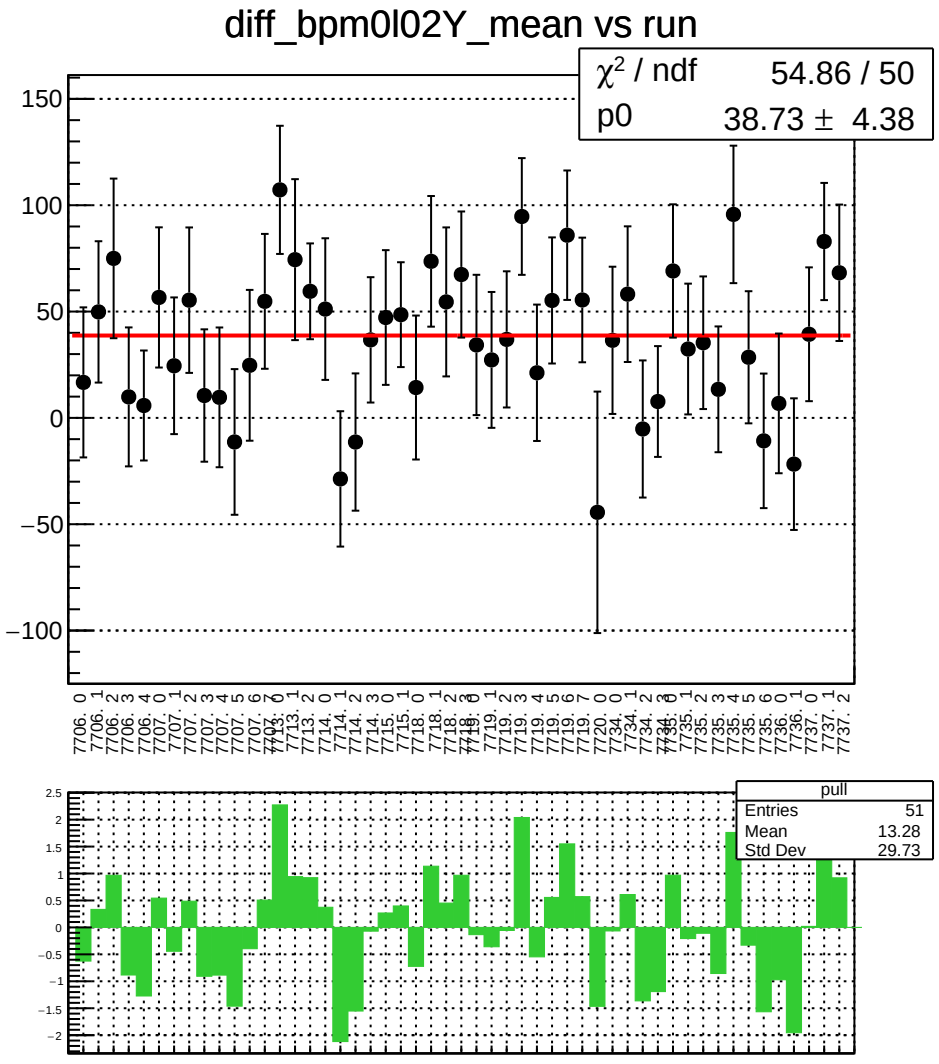

pull1D
Entries 51
Mean 0.007237
Std Dev 1.561

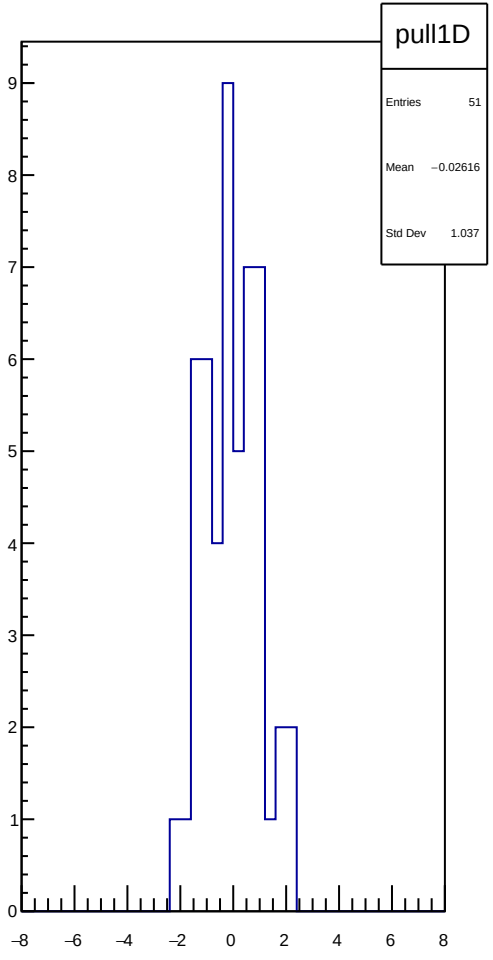

diff_bpm0l01Y_rms vs run
χ² / ndf 740 / 50
p0 1931 ± 1.966
2050
2000
1950
1900
1850
1800
1750
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

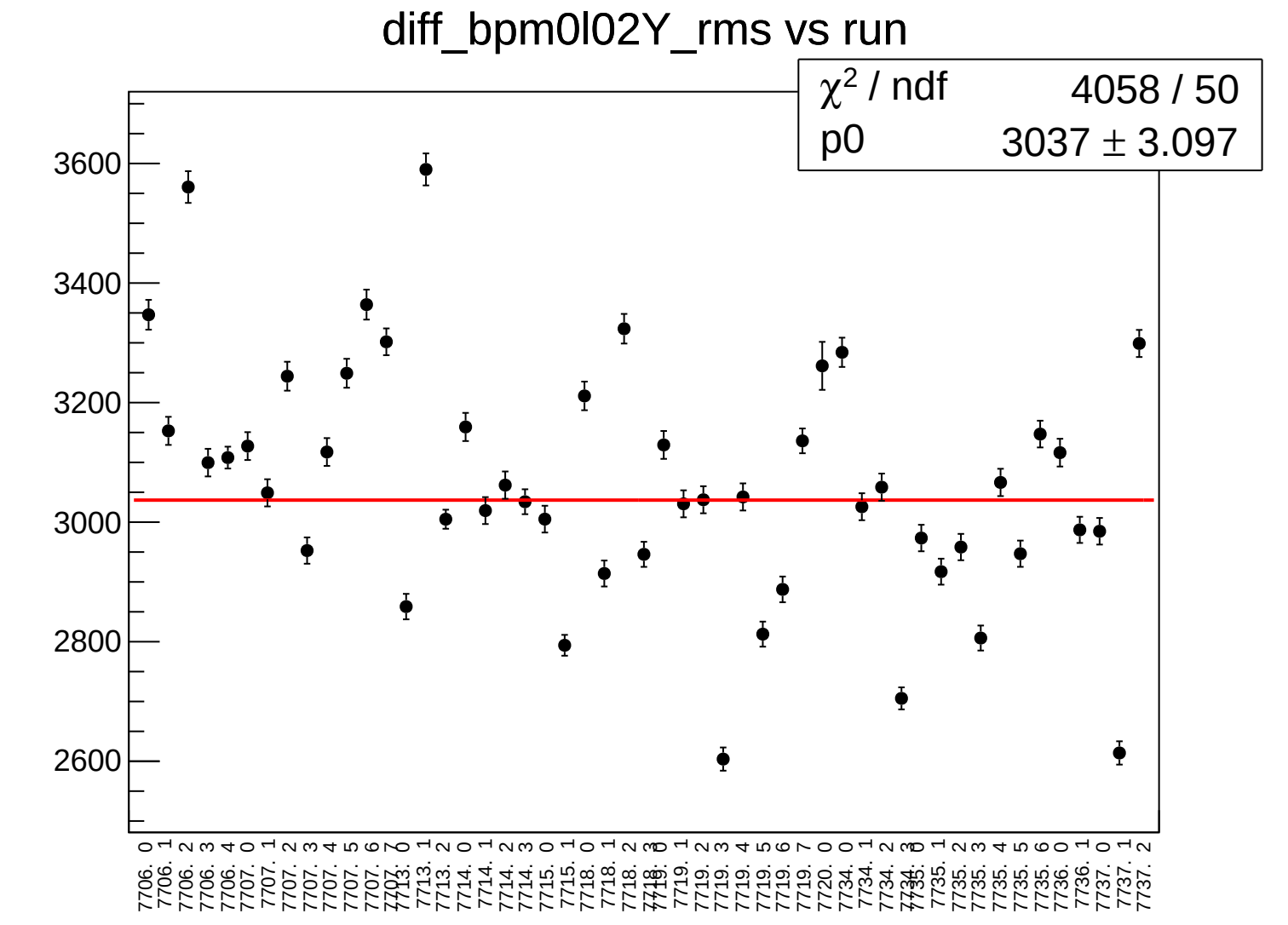

diff_bpm0l02X_mean vs run
χ² / ndf 57.94 / 50
p0 −90.02 ± 14.18
pull
Entries 51
Mean −265.4
Std Dev 292.9

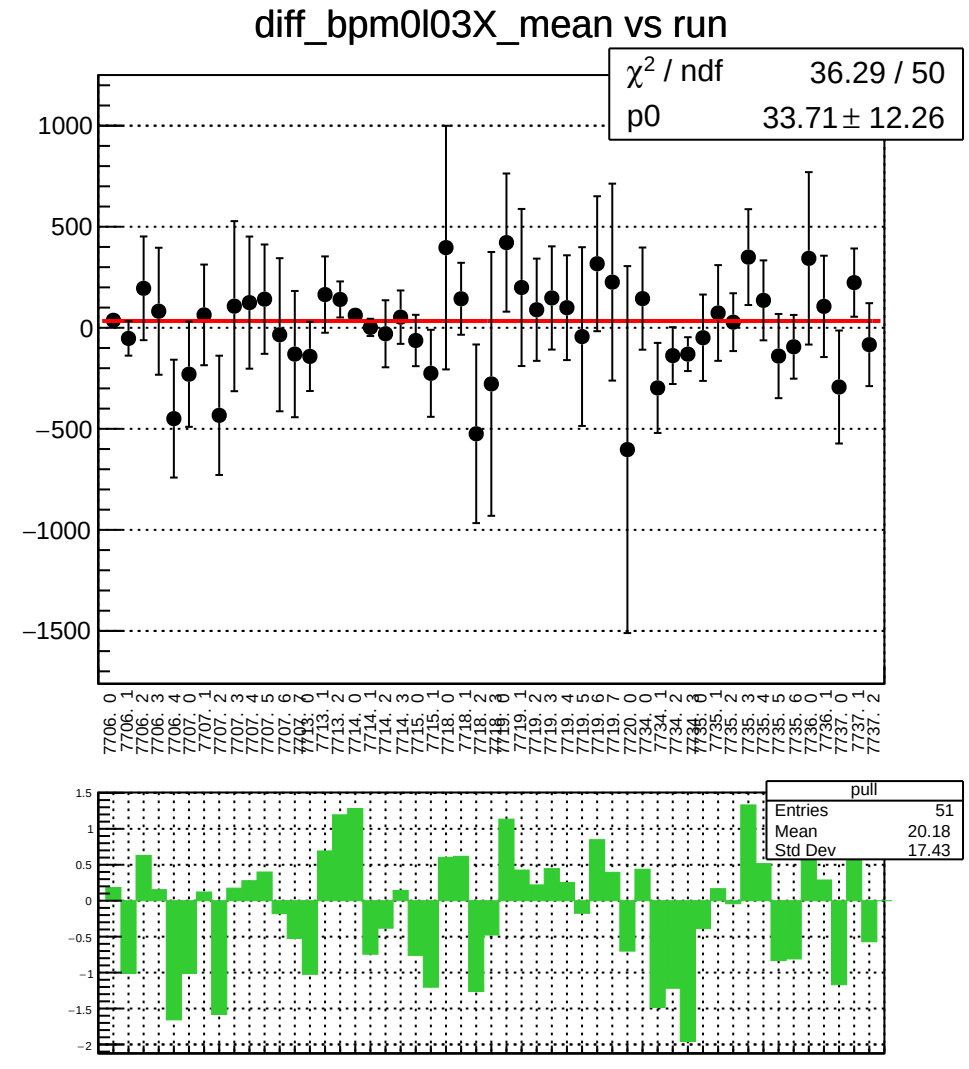

pull1D
Entries 51
Mean −0.004866
Std Dev 1.066

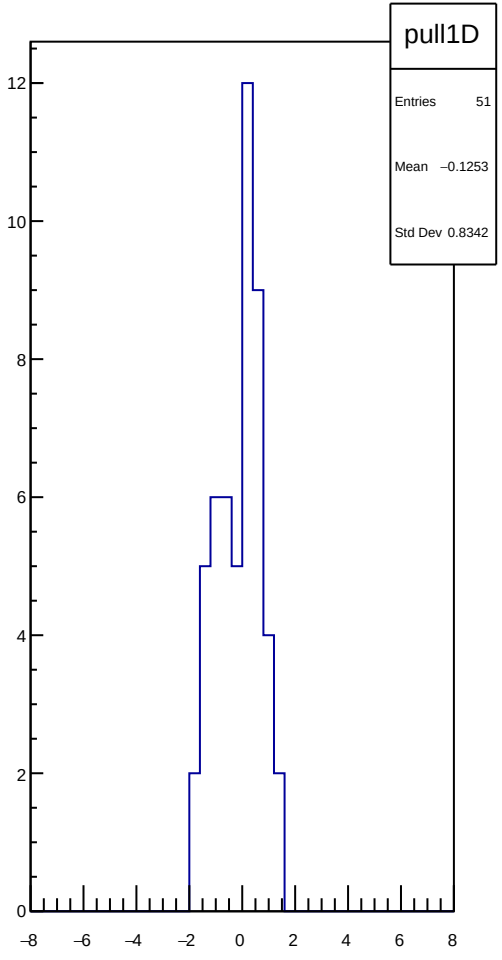

diff_bpm0l02X_rms vs run
χ² / ndf 365 / 50
p0 9853 ± 10.03
10400
10200
10000
9800
9600
9400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

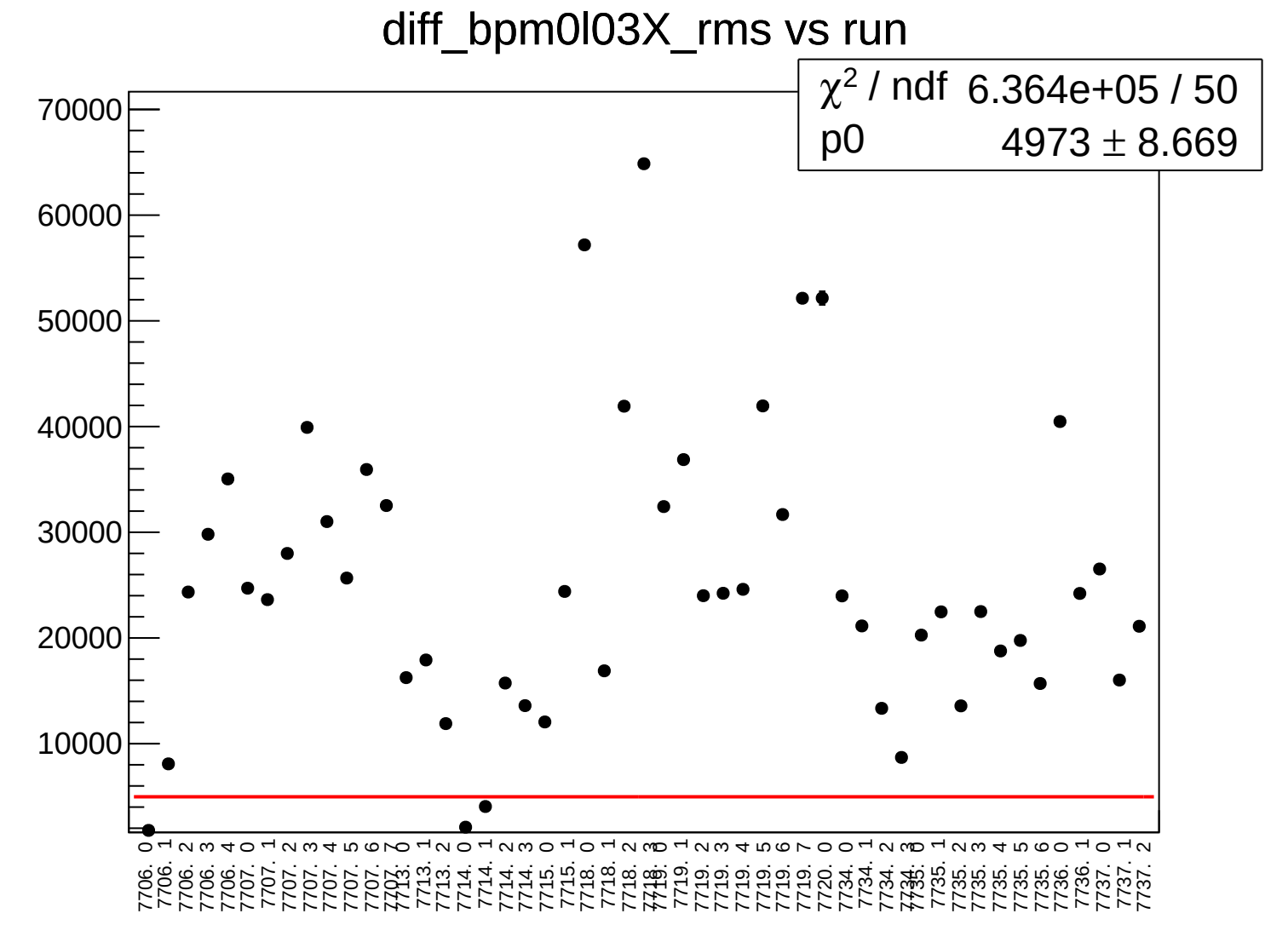

diff_bpm0l02Y_mean vs run
χ² / ndf 54.86 / 50
p0 38.73 ± 4.38
150
100
50
0
−50
−100
pull
Entries 51
Mean 13.28
Std Dev 29.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

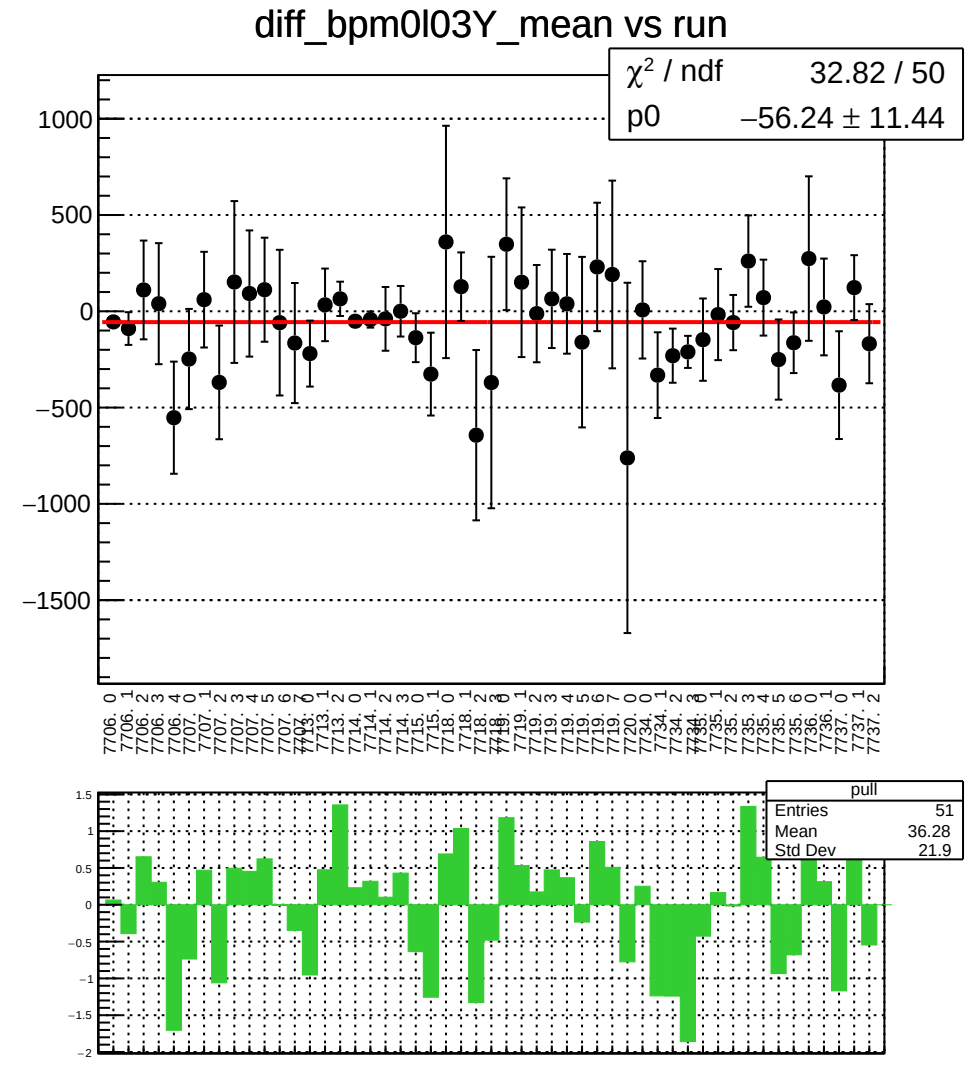

pull1D
Entries 51
Mean −0.02616
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

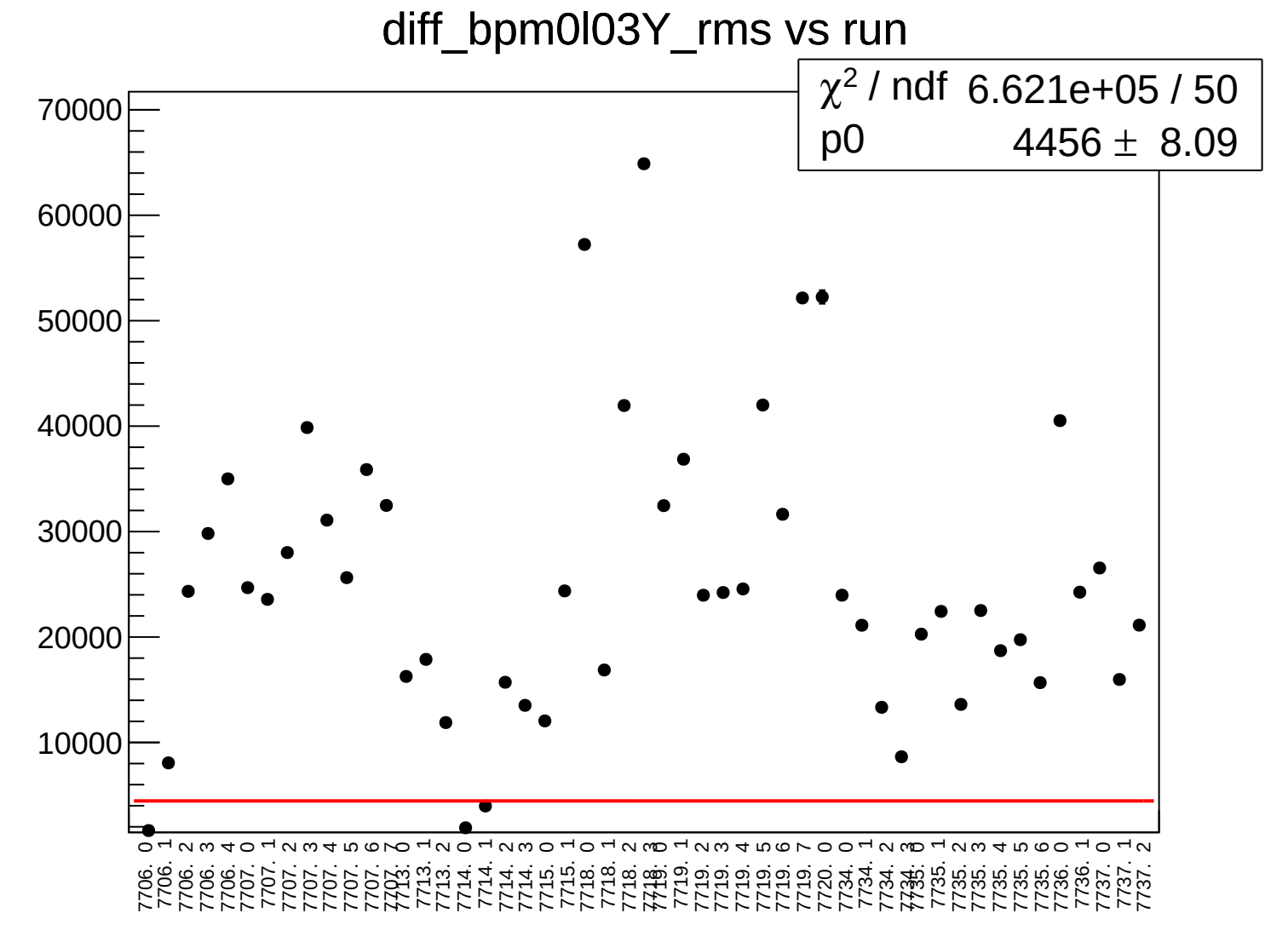

diff_bpm0l02Y_rms vs run
χ² / ndf 4058 / 50
p0 3037 ± 3.097
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

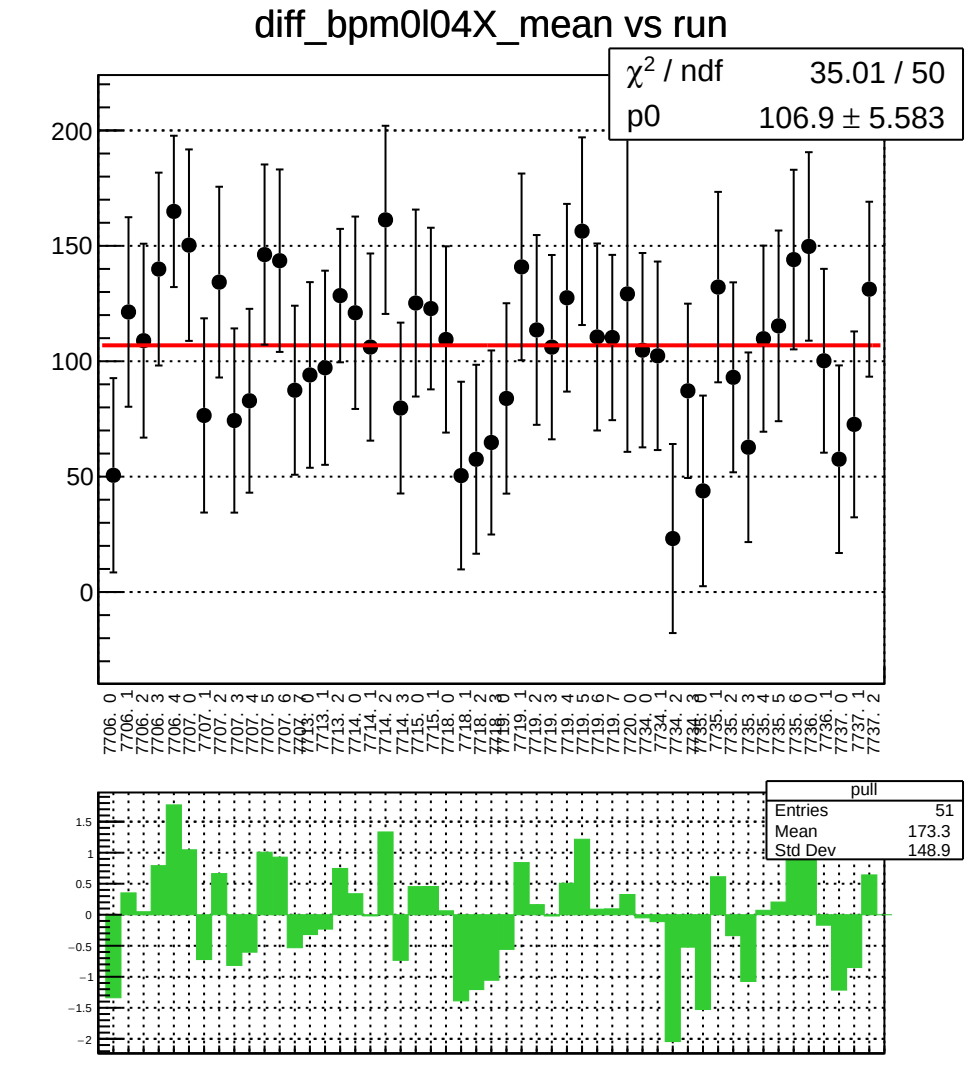

diff_bpm0l03X_mean vs run
χ^2 / ndf 36.29 / 50
p0 33.71 ± 12.26
pull
Entries 51
Mean 20.18
Std Dev 17.43

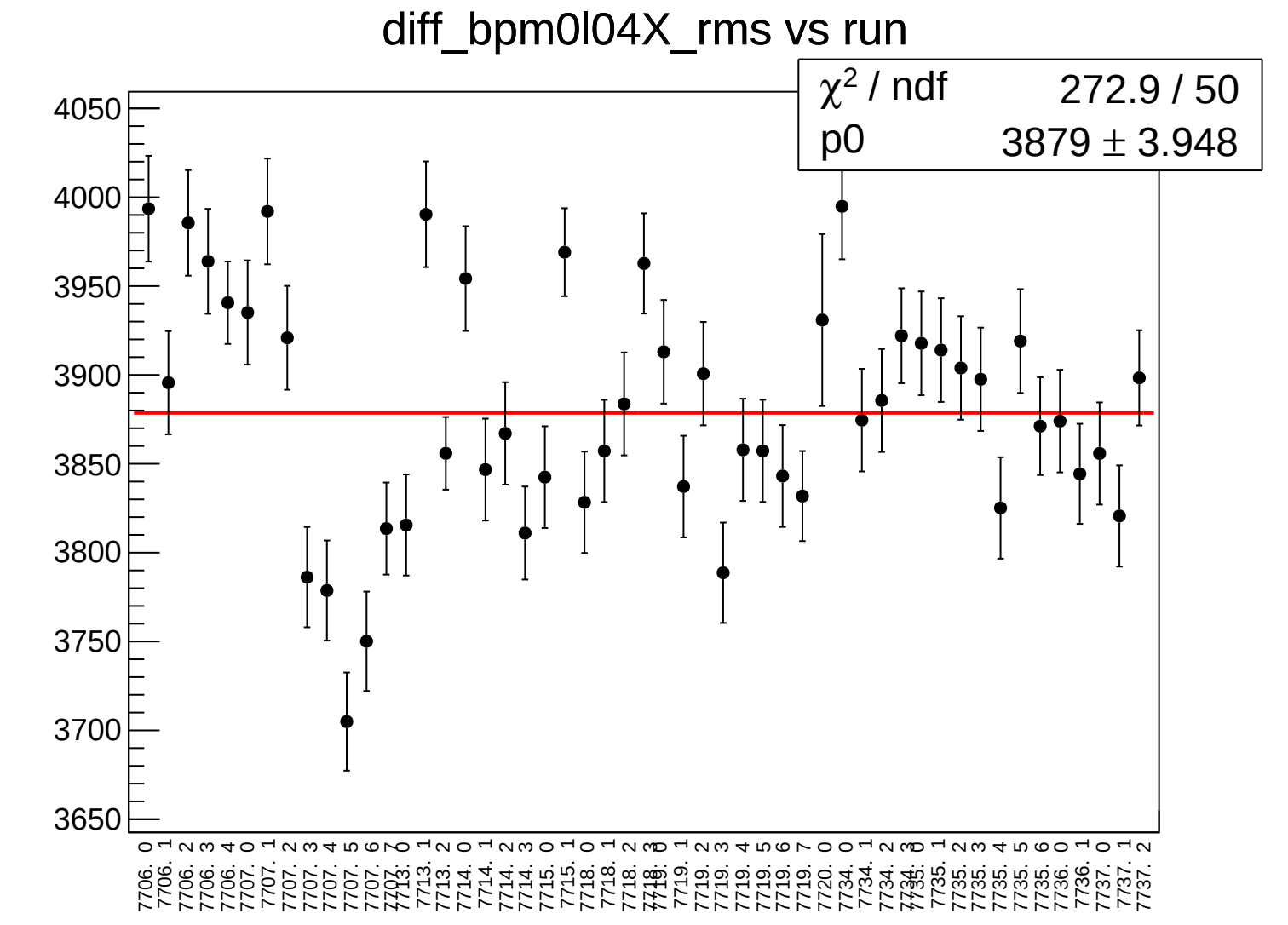

pull1D
Entries 51
Mean −0.1253
Std Dev 0.8342

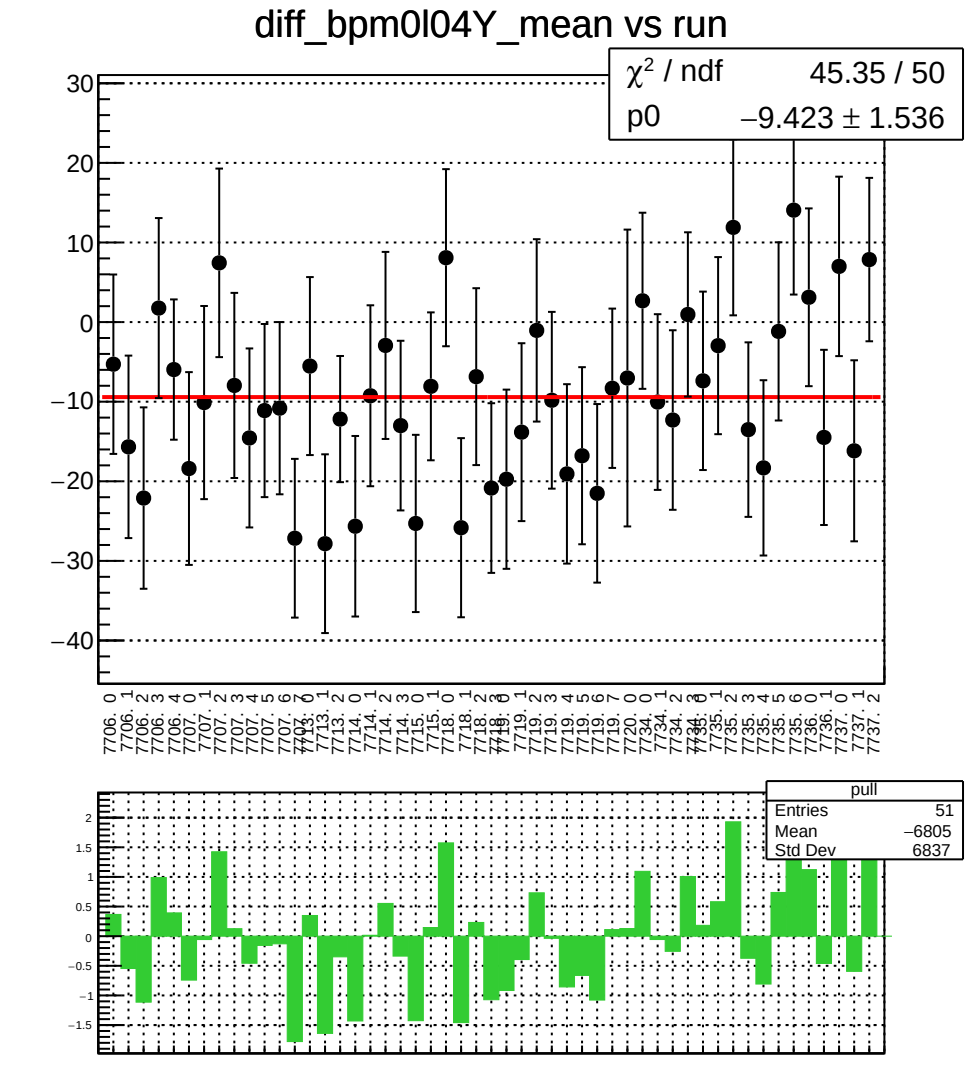

diff_bpm0l03X_rms vs run
χ² / ndf 6.364e+05 / 50
p0 4973 ± 8.669
70000
60000
50000
40000
30000
20000
10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

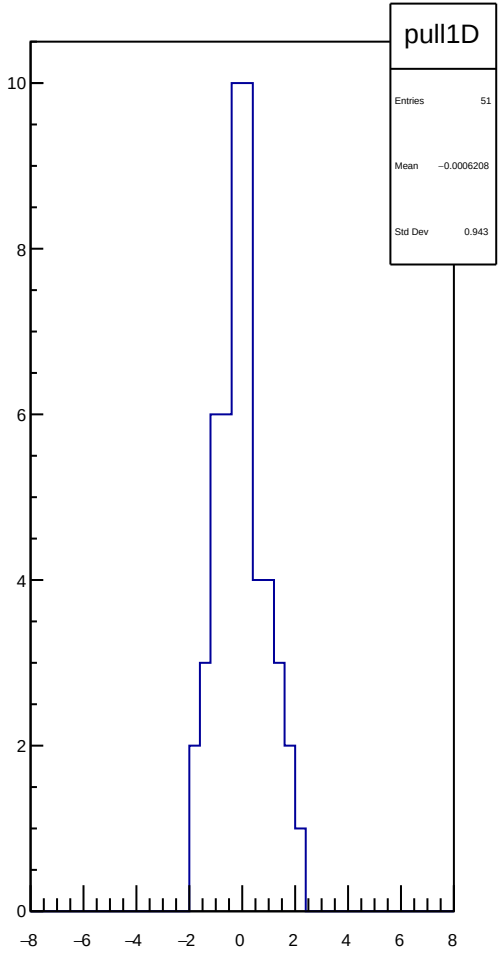

diff_bpm0l03Y_mean vs run
χ² / ndf 32.82 / 50
p0 −56.24 ± 11.44
1000
500
0
−500
−1000
−1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 36.28
Std Dev 21.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.03283
Std Dev 0.8015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

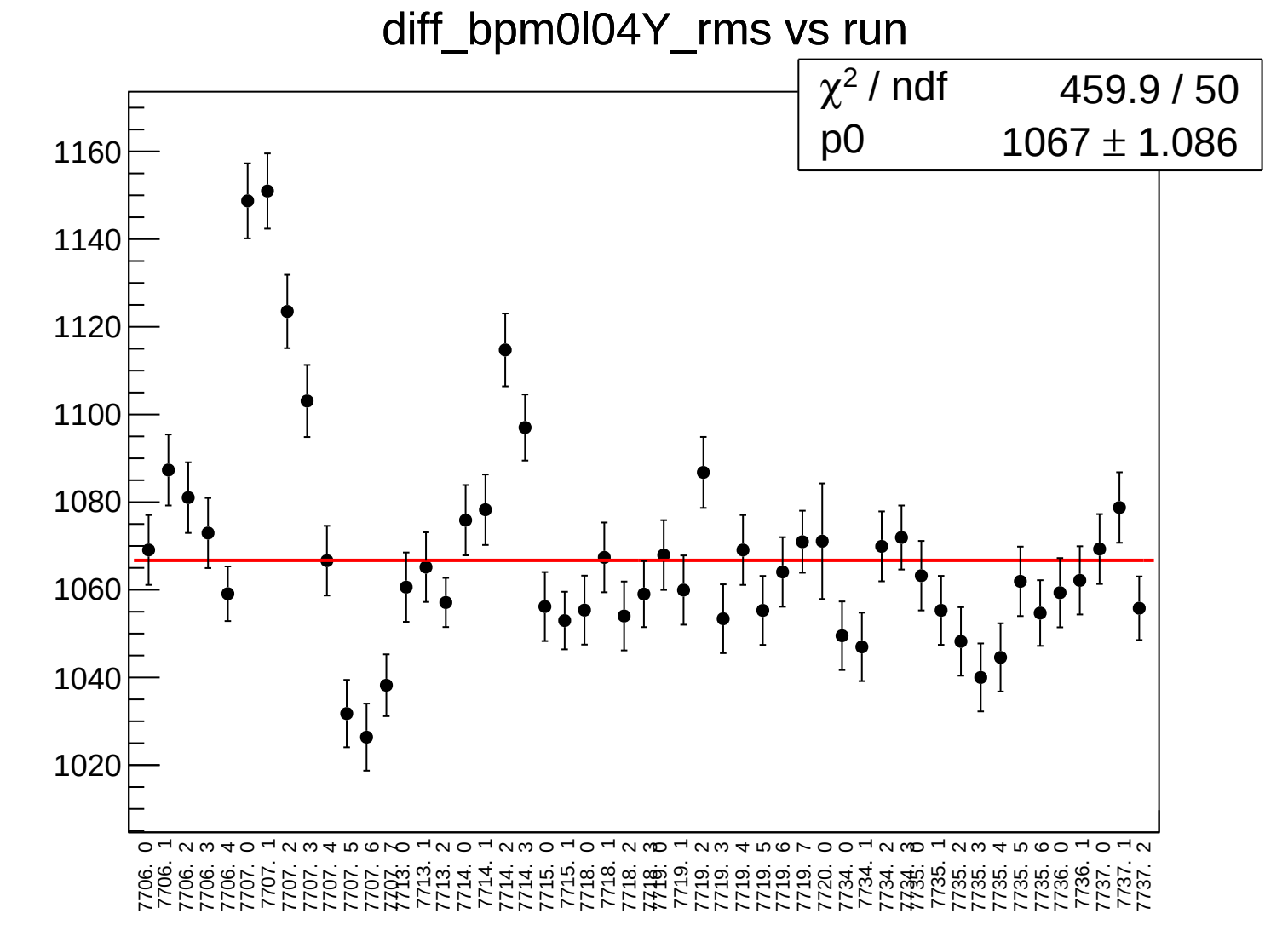

diff_bpm0l03Y_rms vs run
χ² / ndf 6.621e+05 / 50
p0 4456 ± 8.09
70000
60000
50000
40000
30000
20000
10000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

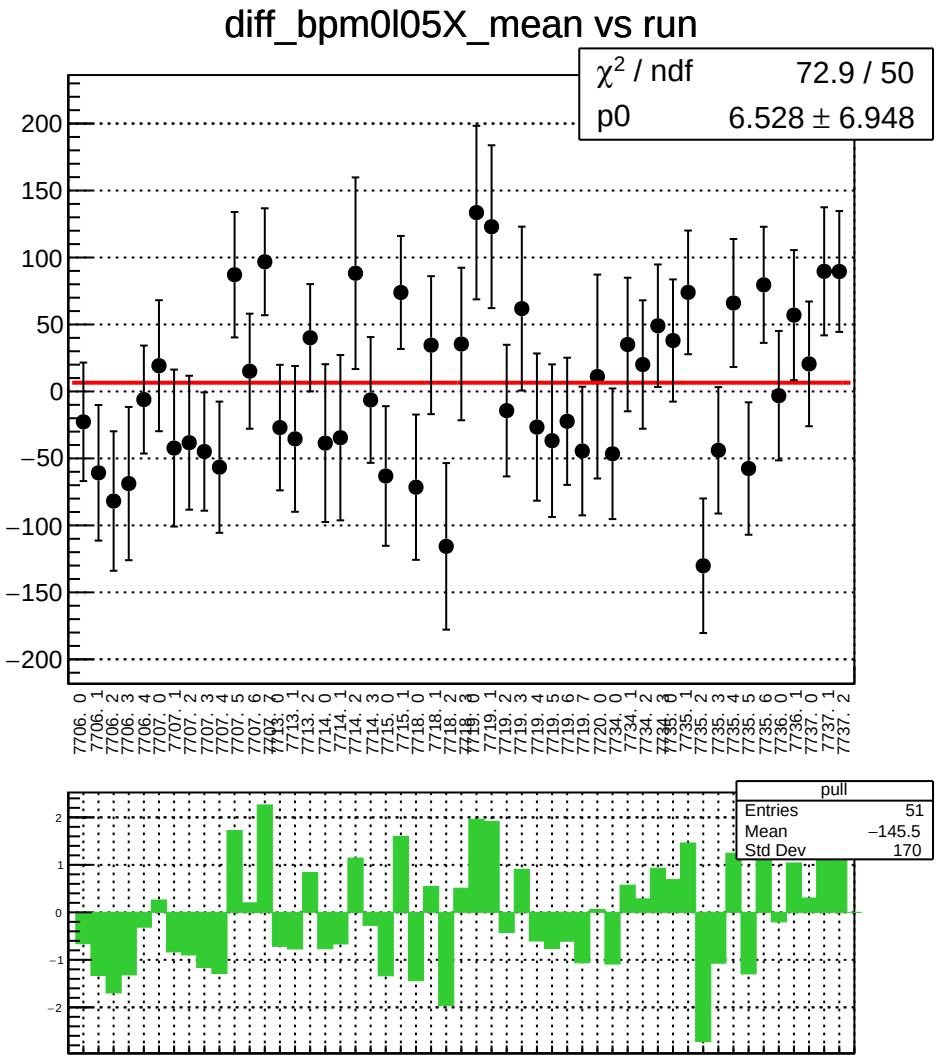

diff_bpm0l04X_mean vs run
χ^2 / ndf 35.01 / 50
p0 106.9 ± 5.583
200
150
100
50
0
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 173.3
Std Dev 148.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.01321
Std Dev 0.8284
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

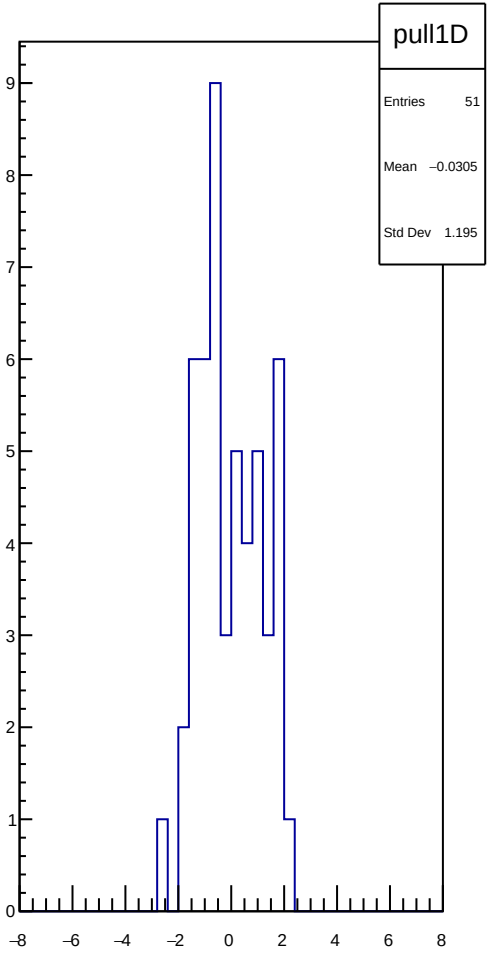

diff_bpm0l04X_rms vs run
χ² / ndf 272.9 / 50
p0 3879 ± 3.948
4050
4000
3950
3900
3850
3800
3750
3700
3650
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

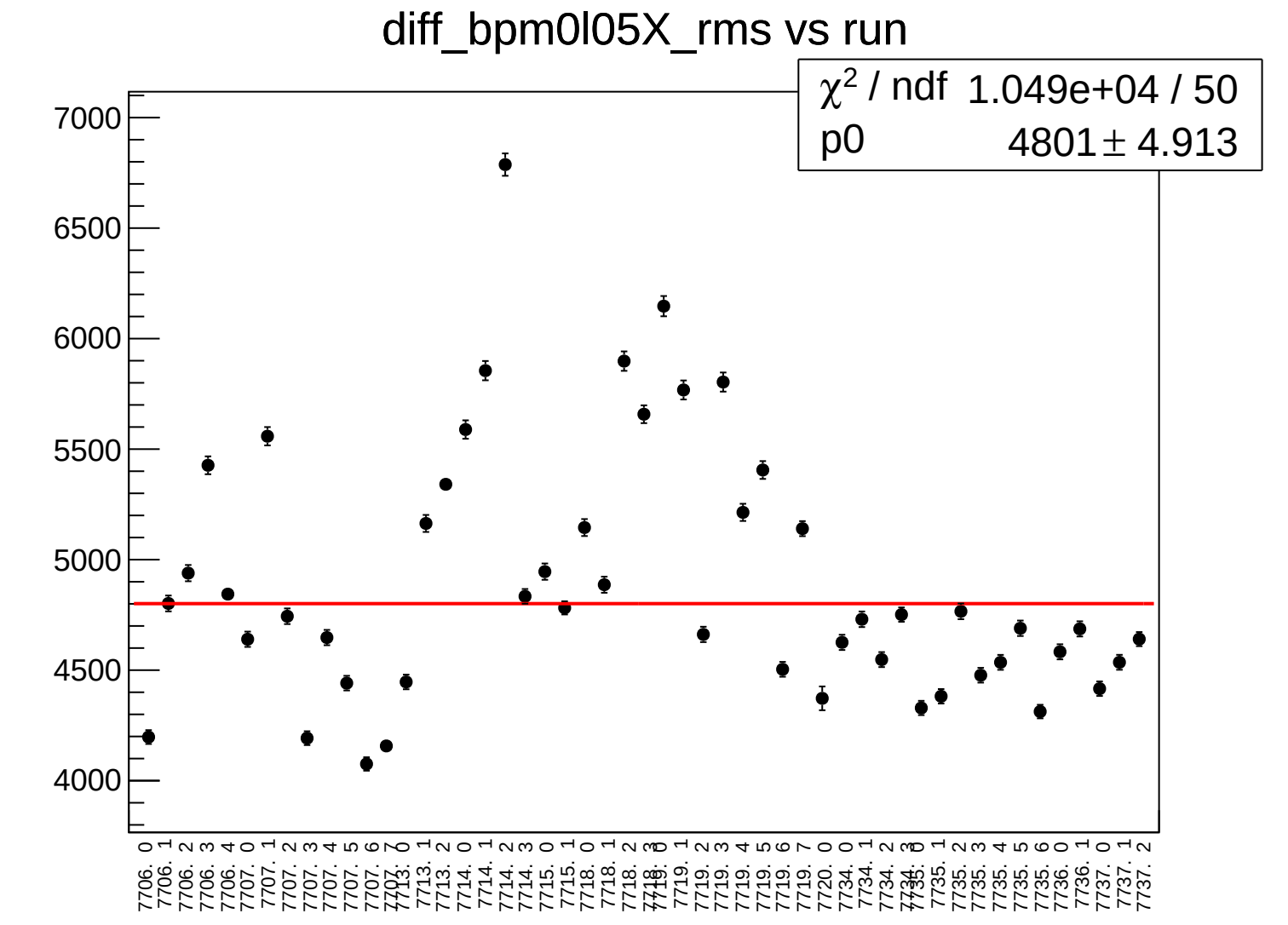

diff_bpm0l04Y_mean vs run
χ² / ndf 45.35 / 50
p0 −9.423 ± 1.536
pull
Entries 51
Mean −6805
Std Dev 6837

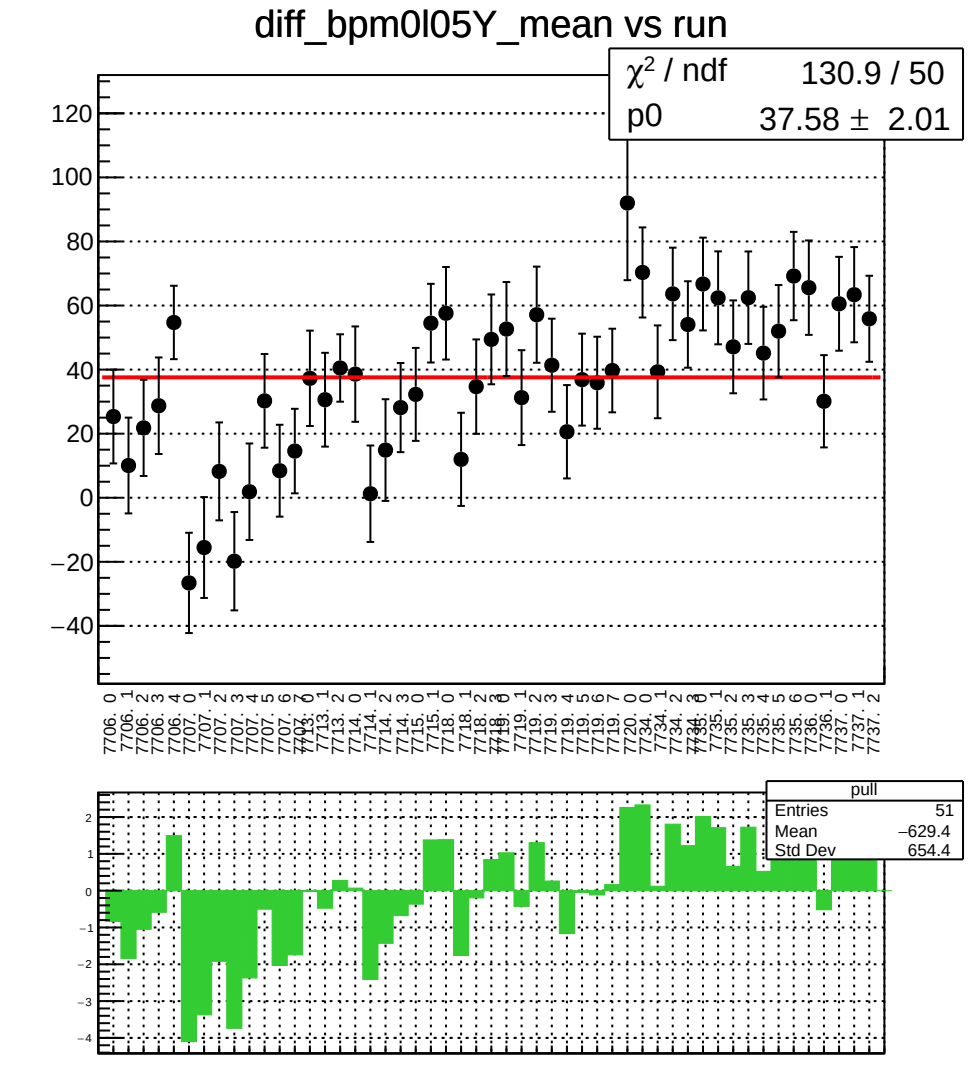

pull1D
Entries 51
Mean −0.0006208
Std Dev 0.943

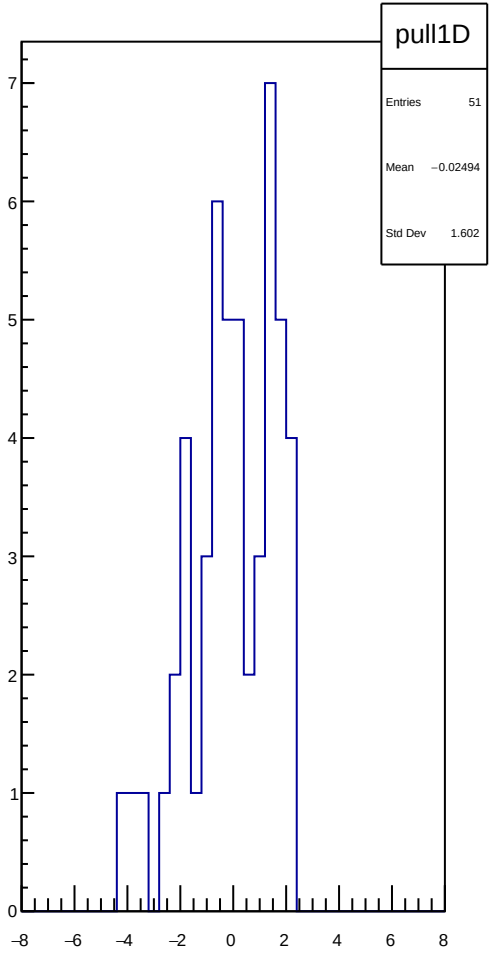

diff_bpm0l04Y_rms vs run
χ² / ndf 459.9 / 50
p0 1067 ± 1.086
1160
1140
1120
1100
1080
1060
1040
1020
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

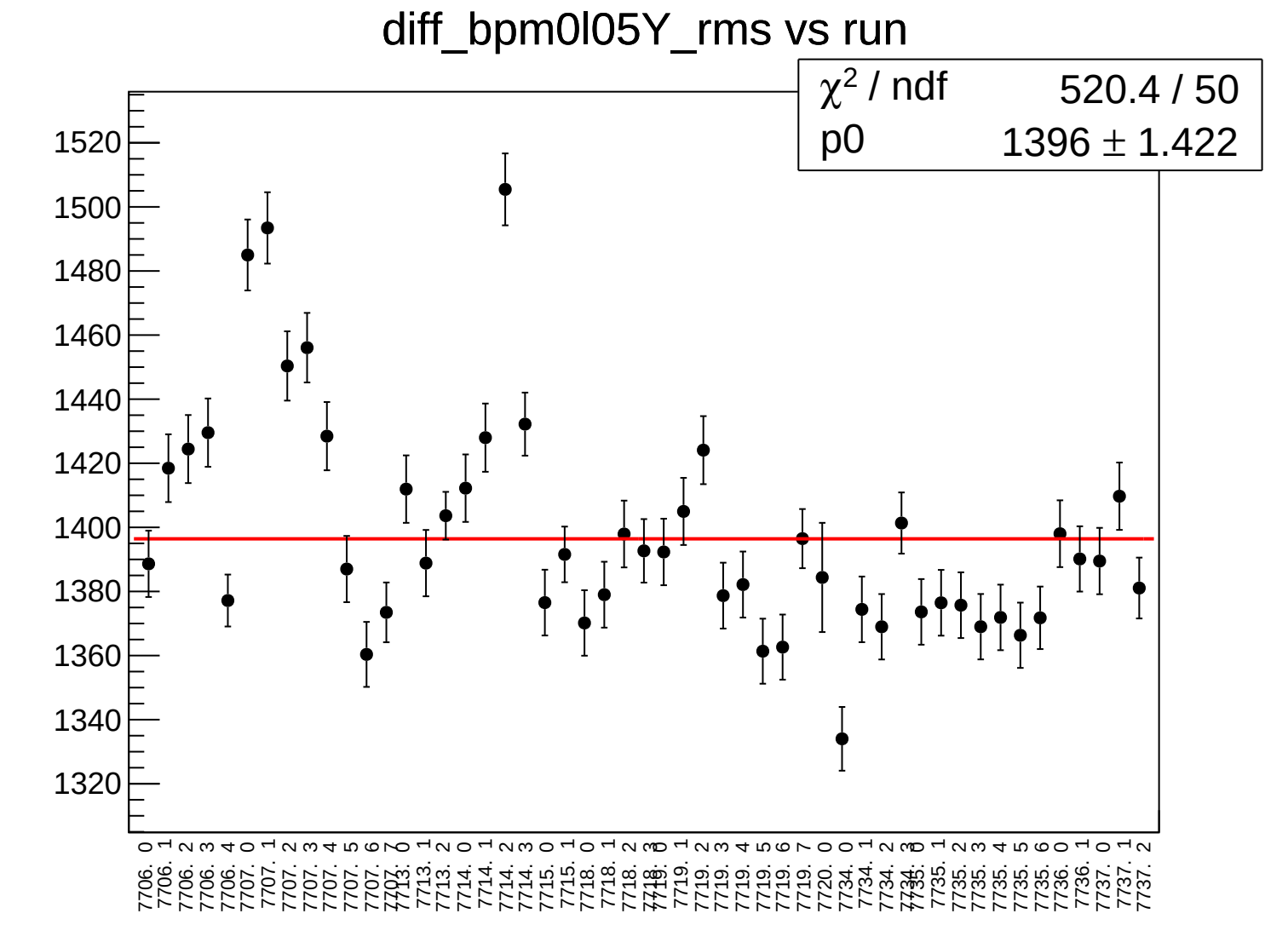

diff_bpm0l05X_mean vs run
χ² / ndf 72.9 / 50
p0 6.528 ± 6.948
pull
Entries 51
Mean −145.5
Std Dev 170

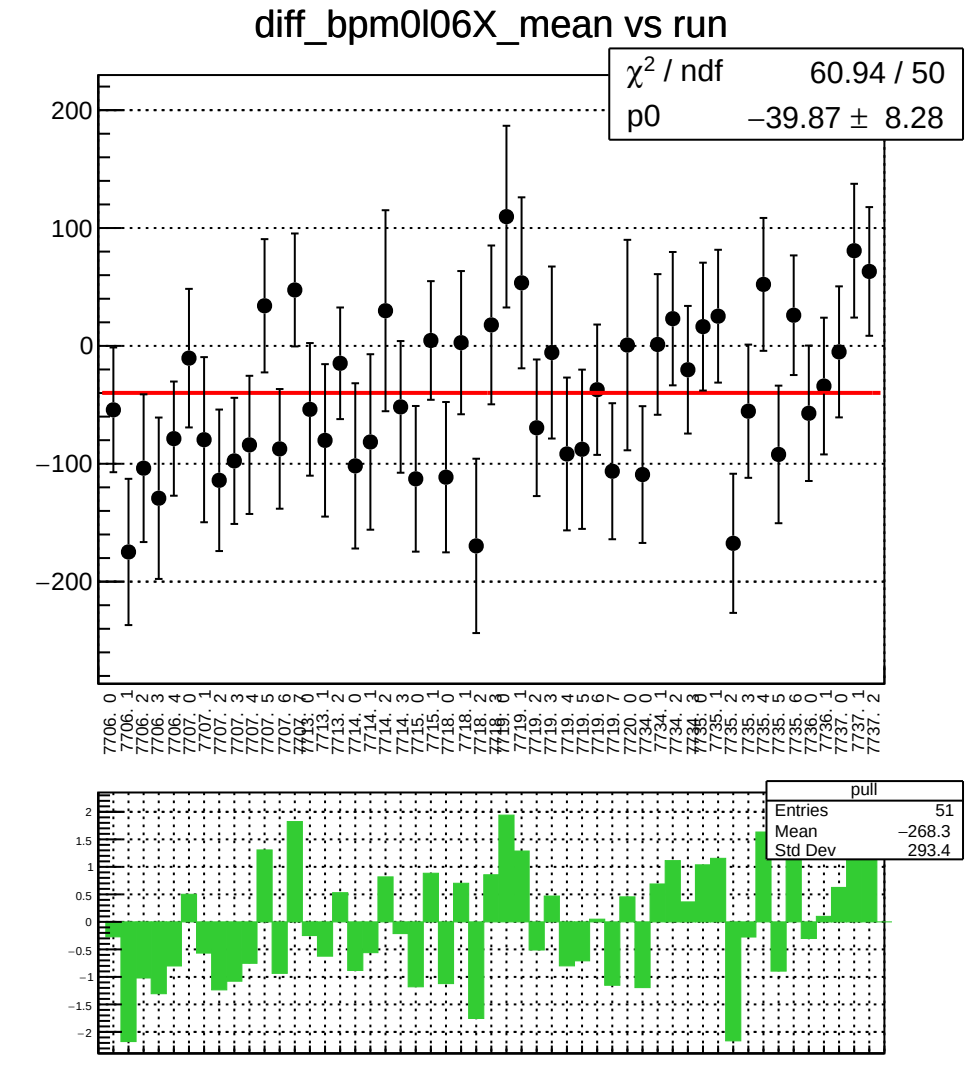

pull1D
Entries 51
Mean −0.0305
Std Dev 1.195

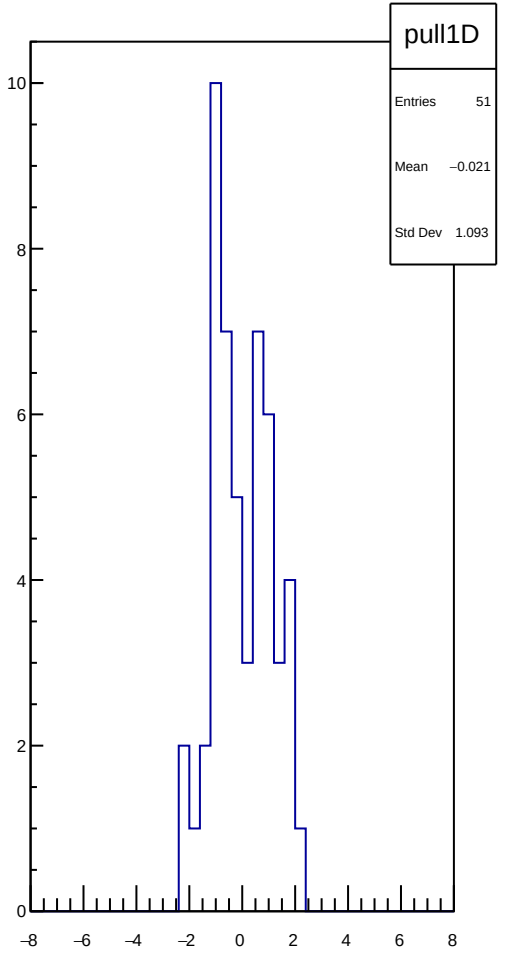

diff_bpm0l05X_rms vs run
χ² / ndf 1.049e+04 / 50
p0 4801 ± 4.913
7000
6500
6000
5500
5000
4500
4000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

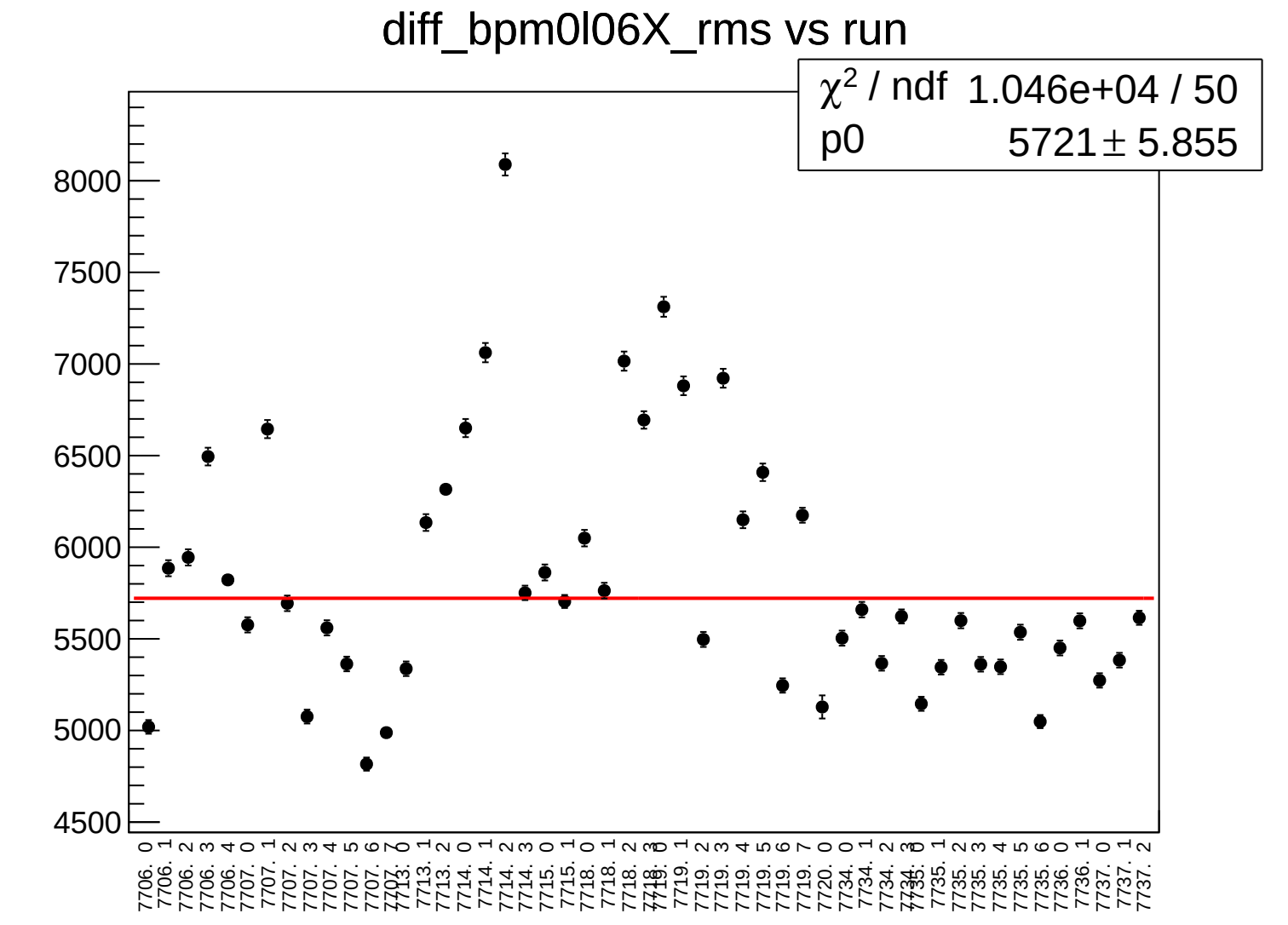

diff_bpm0l05Y_mean vs run
χ² / ndf 130.9 / 50
p0 37.58 ± 2.01
pull
Entries 51
Mean −629.4
Std Dev 654.4

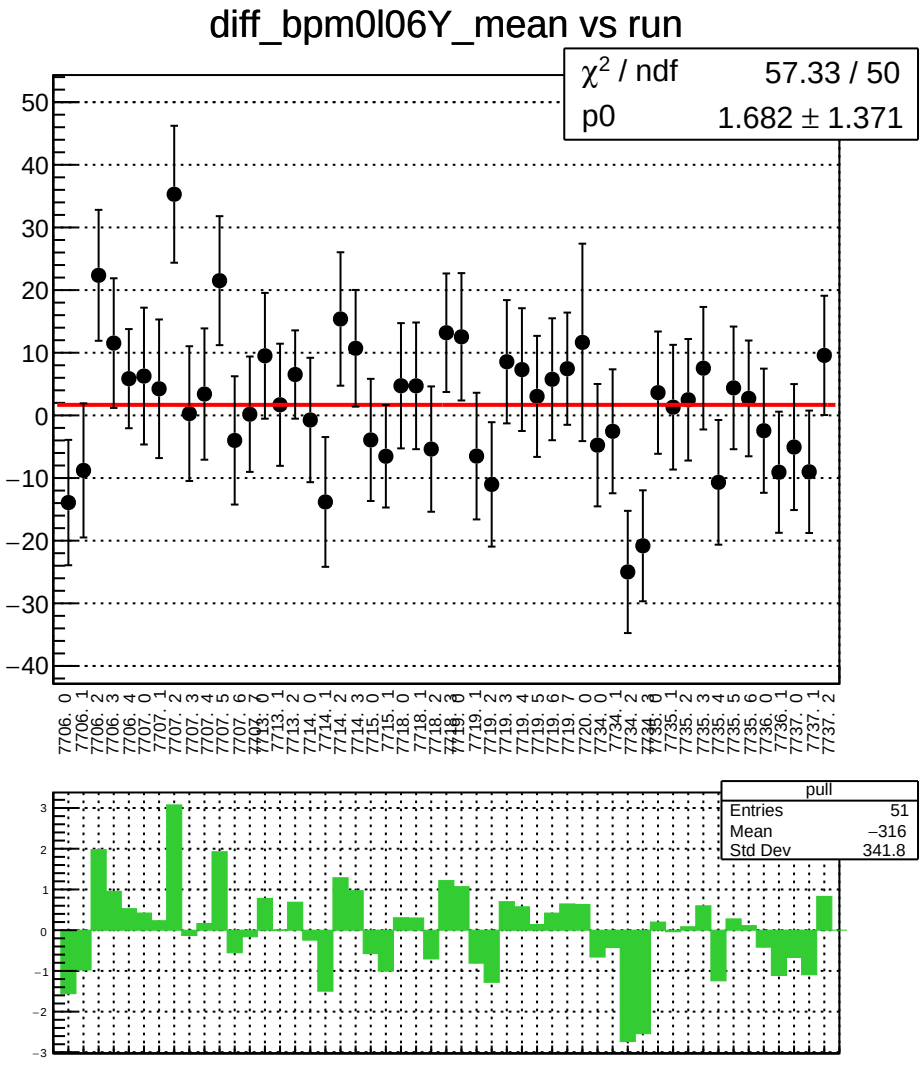

pull1D
Entries 51
Mean −0.02494
Std Dev 1.602

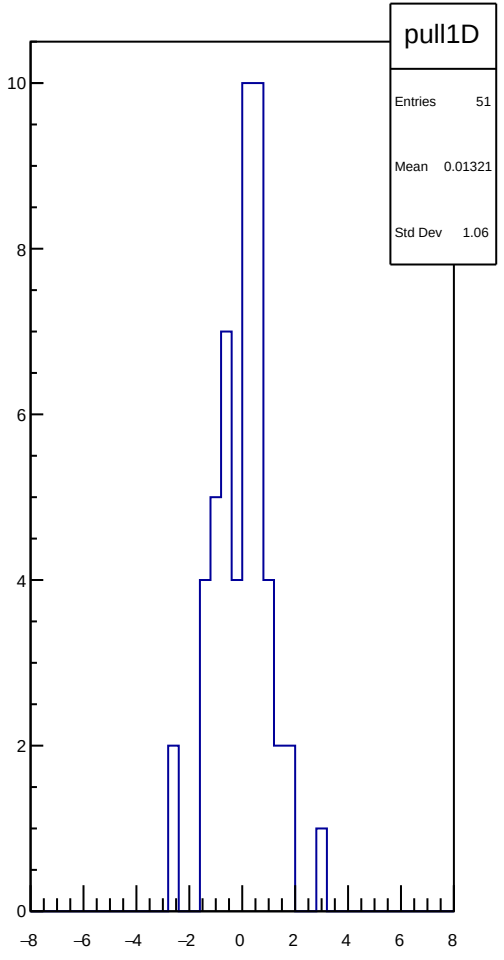

diff_bpm0l05Y_rms vs run
χ² / ndf 520.4 / 50
p0 1396 ± 1.422
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340
1320
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

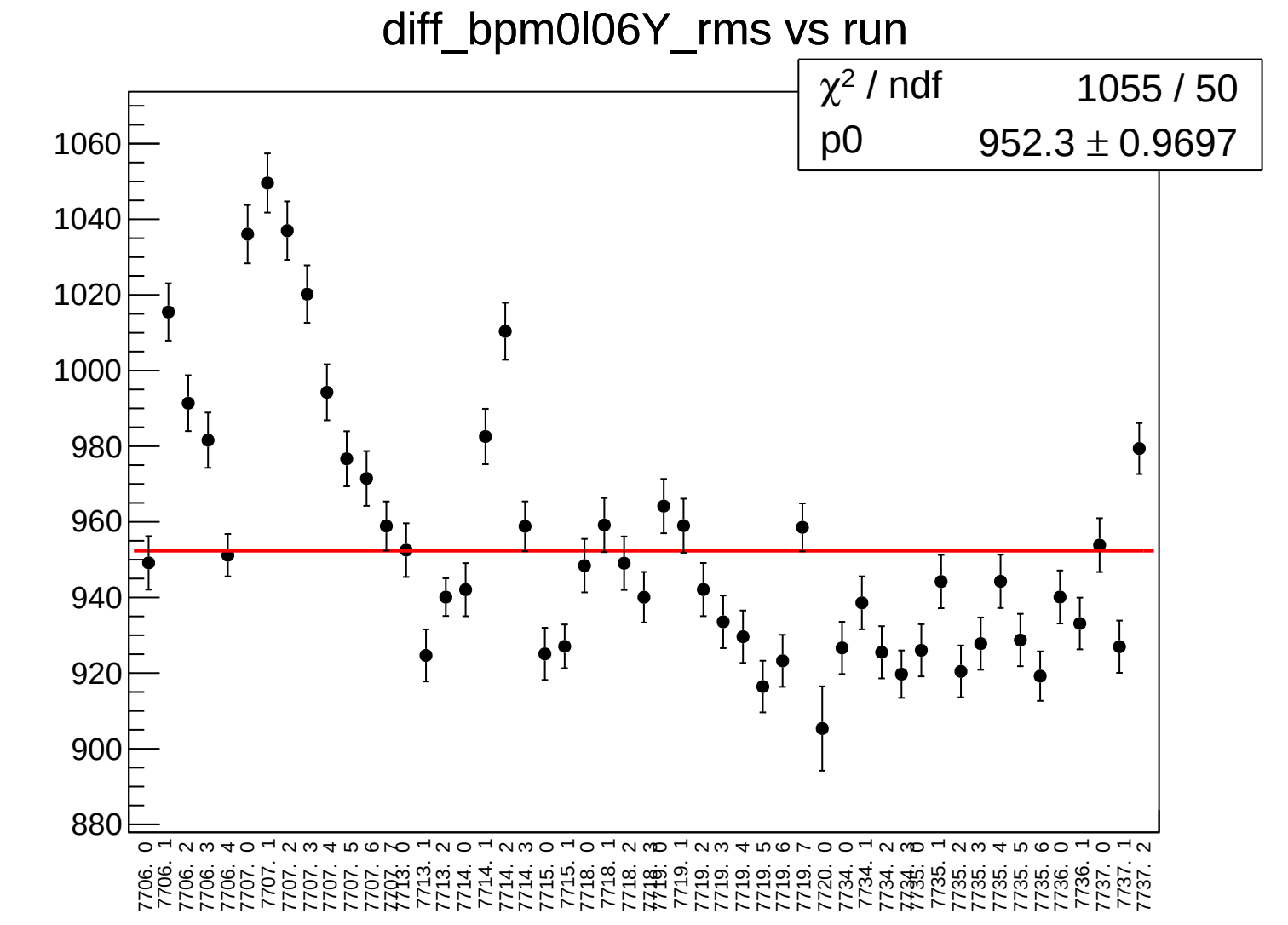

diff_bpm0l06X_mean vs run
χ² / ndf 60.94 / 50
p0 −39.87 ± 8.28
200
100
0
−100
−200
pull
Entries 51
Mean −268.3
Std Dev 293.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

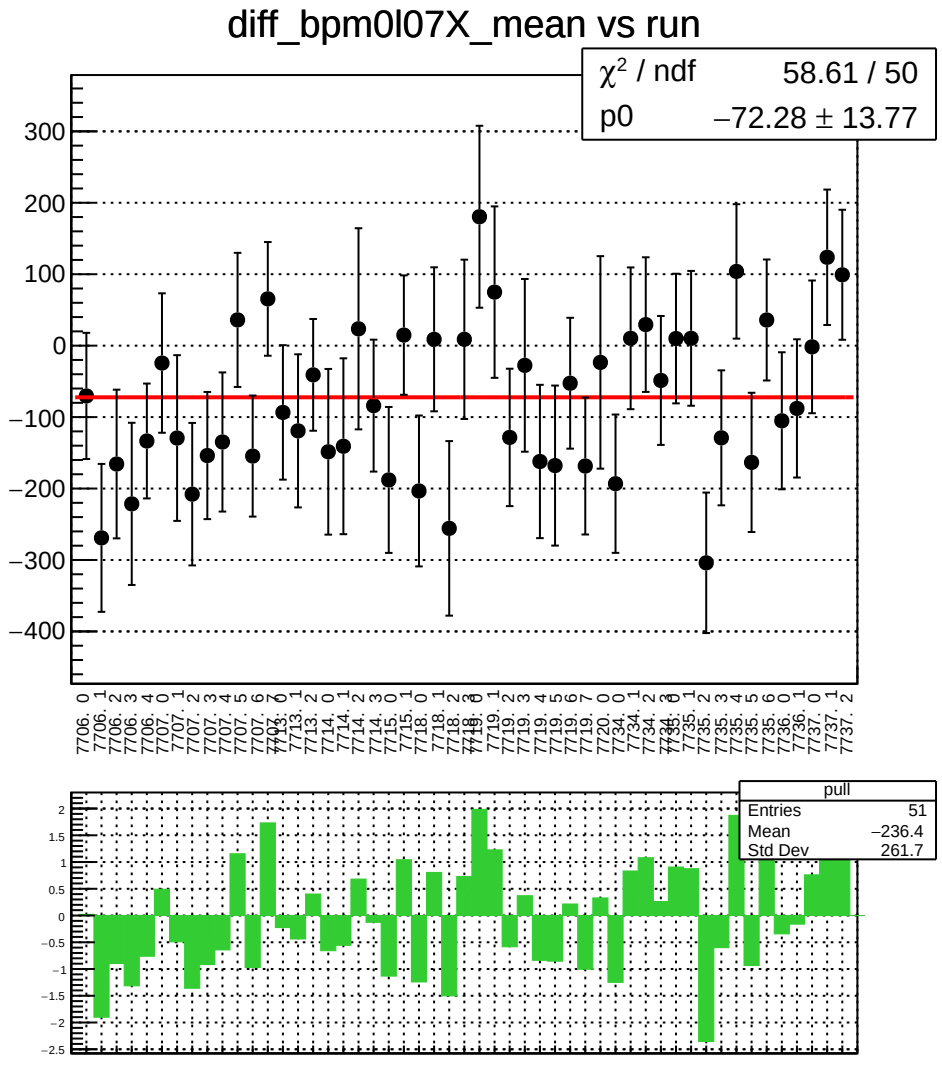

pull1D
Entries 51
Mean −0.021
Std Dev 1.093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

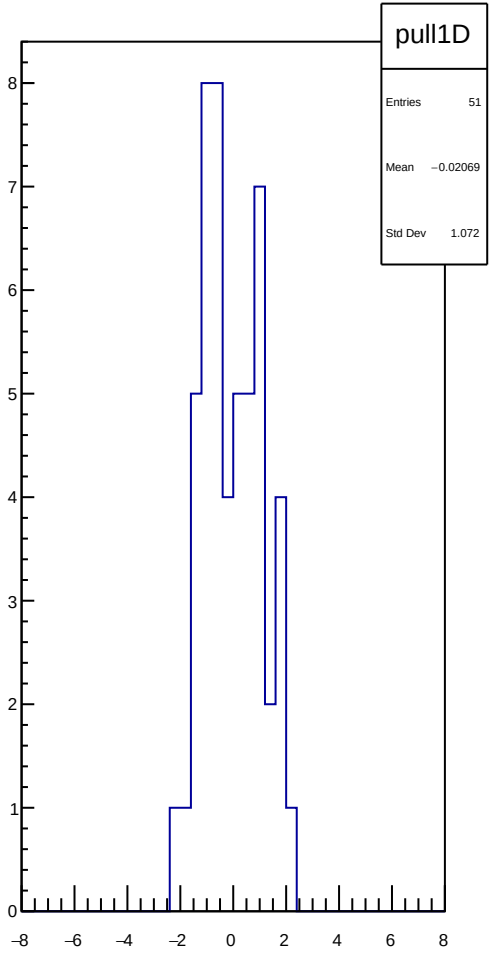

diff_bpm0l06X_rms vs run
χ² / ndf 1.046e+04 / 50
p0 5721 ± 5.855
8000
7500
7000
6500
6000
5500
5000
4500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

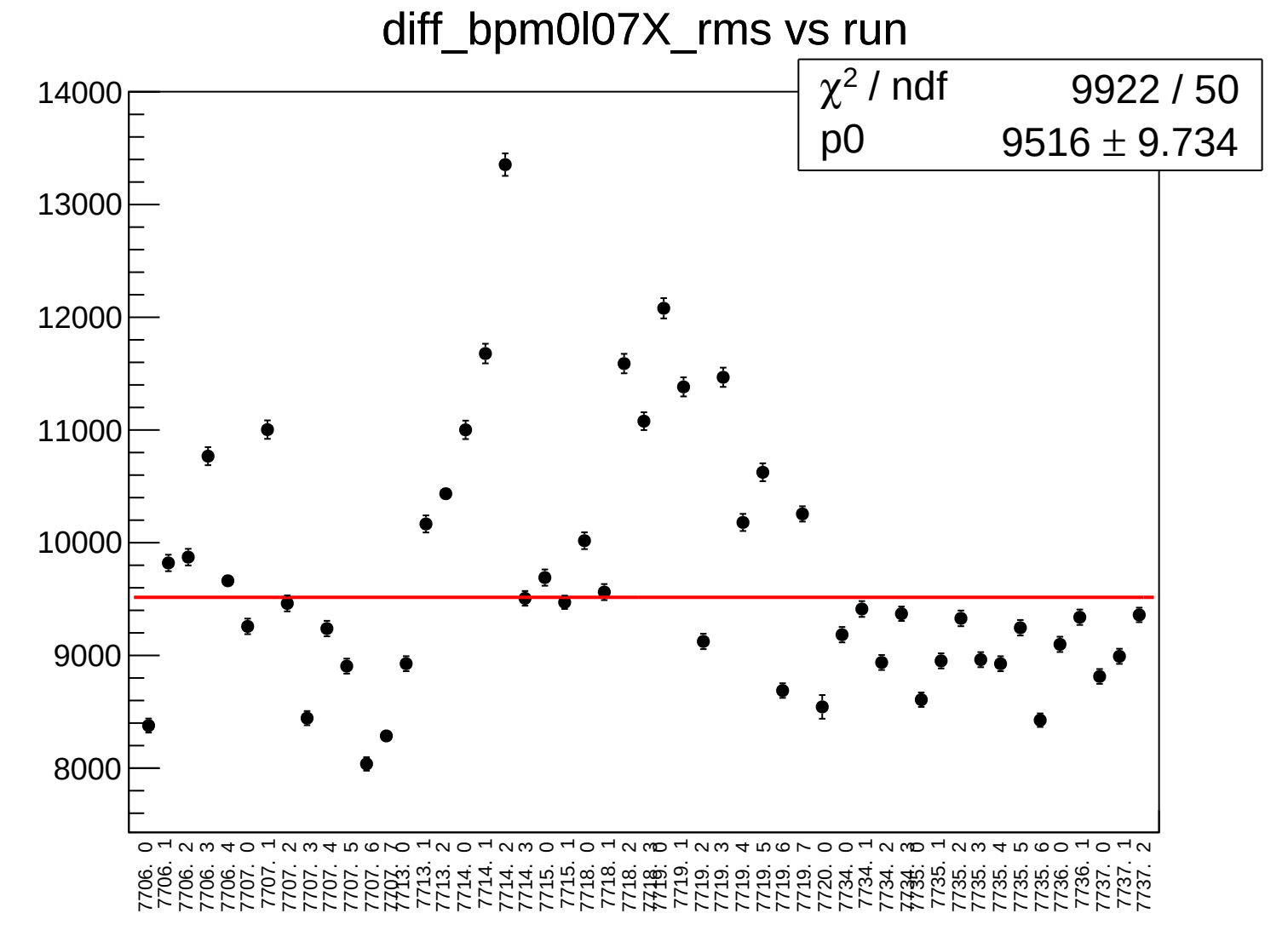

diff_bpm0l06Y_mean vs run
χ² / ndf 57.33 / 50
p0 1.682 ± 1.371
pull
Entries 51
Mean −316
Std Dev 341.8

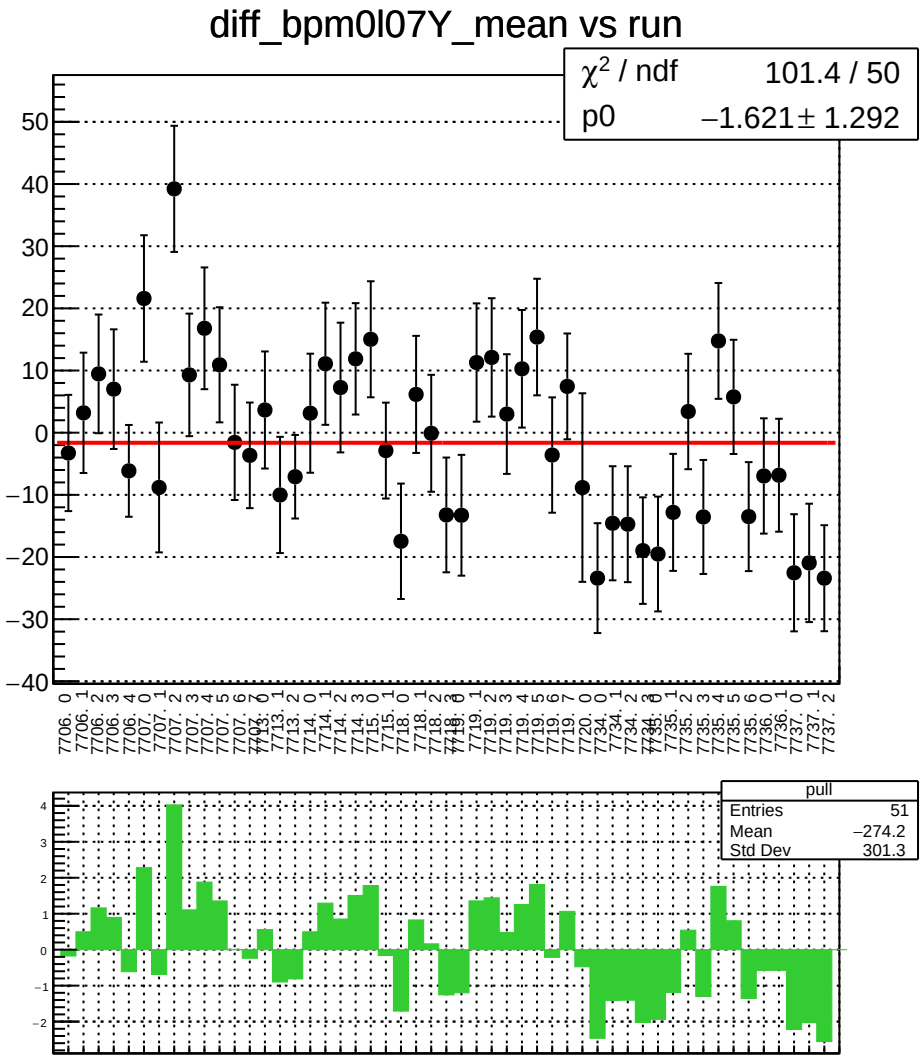

pull1D
Entries 51
Mean 0.01321
Std Dev 1.06

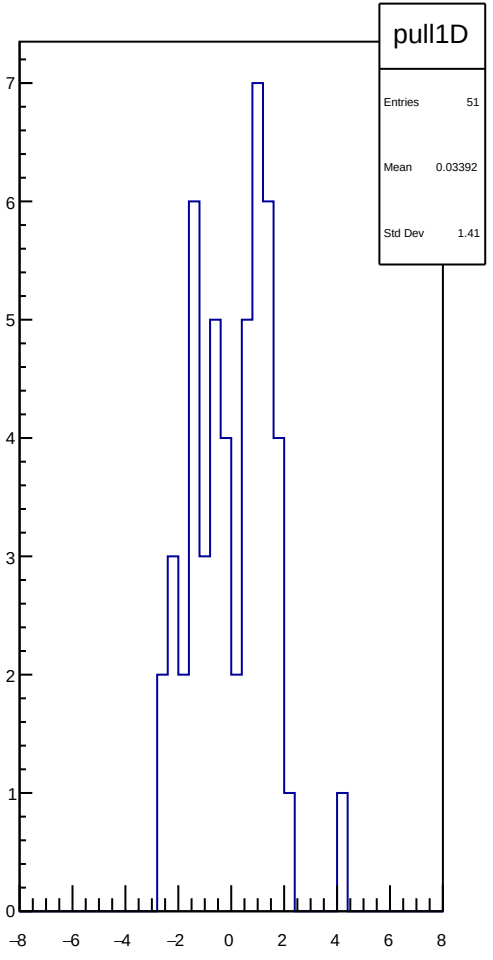

diff_bpm0l06Y_rms vs run
χ² / ndf 1055 / 50
p0 952.3 ± 0.9697
1060
1040
1020
1000
980
960
940
920
900
880
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

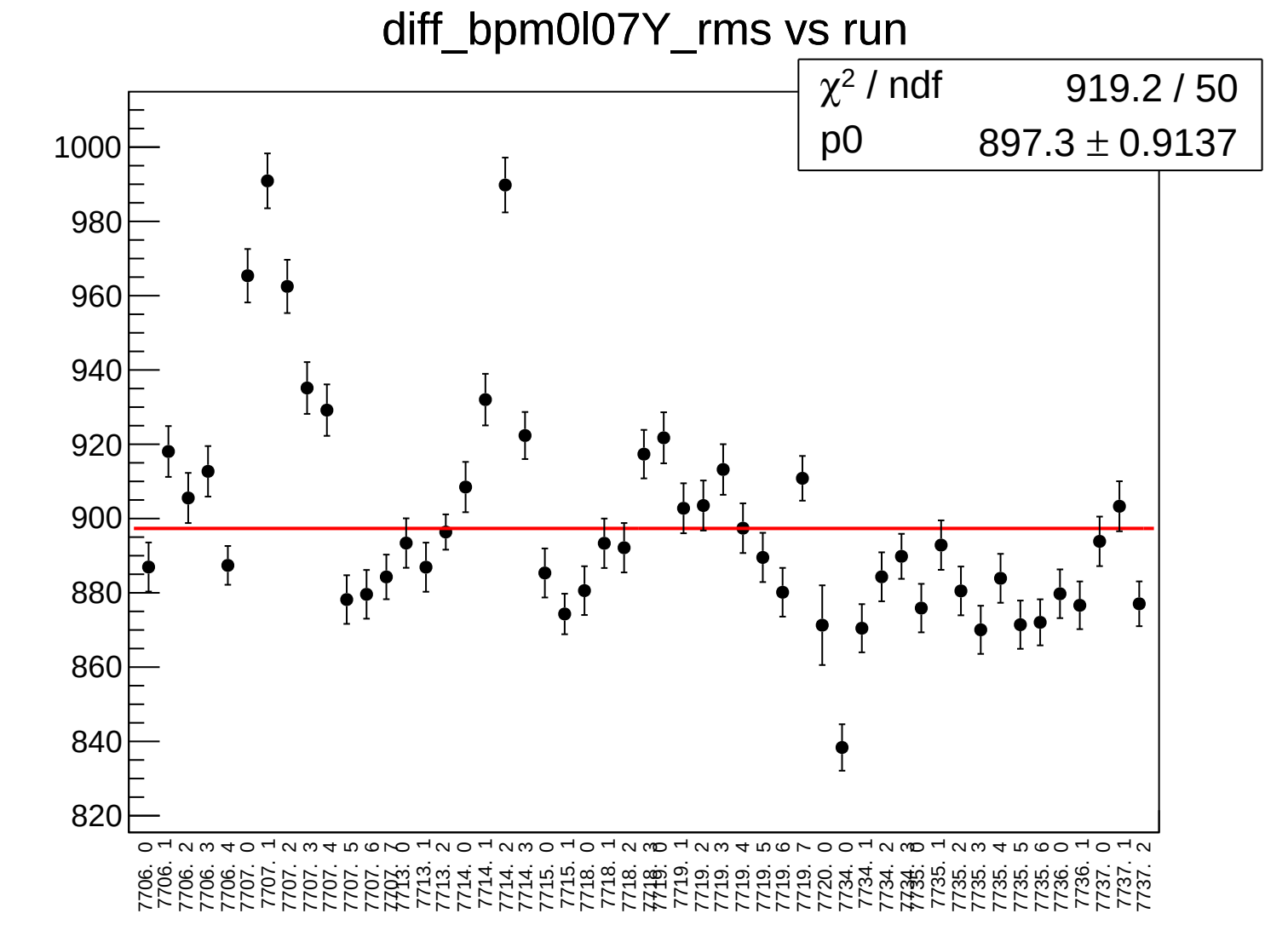

diff_bpm0l07X_mean vs run
χ² / ndf 58.61 / 50
p0 −72.28 ± 13.77
pull
Entries 51
Mean −236.4
Std Dev 261.7

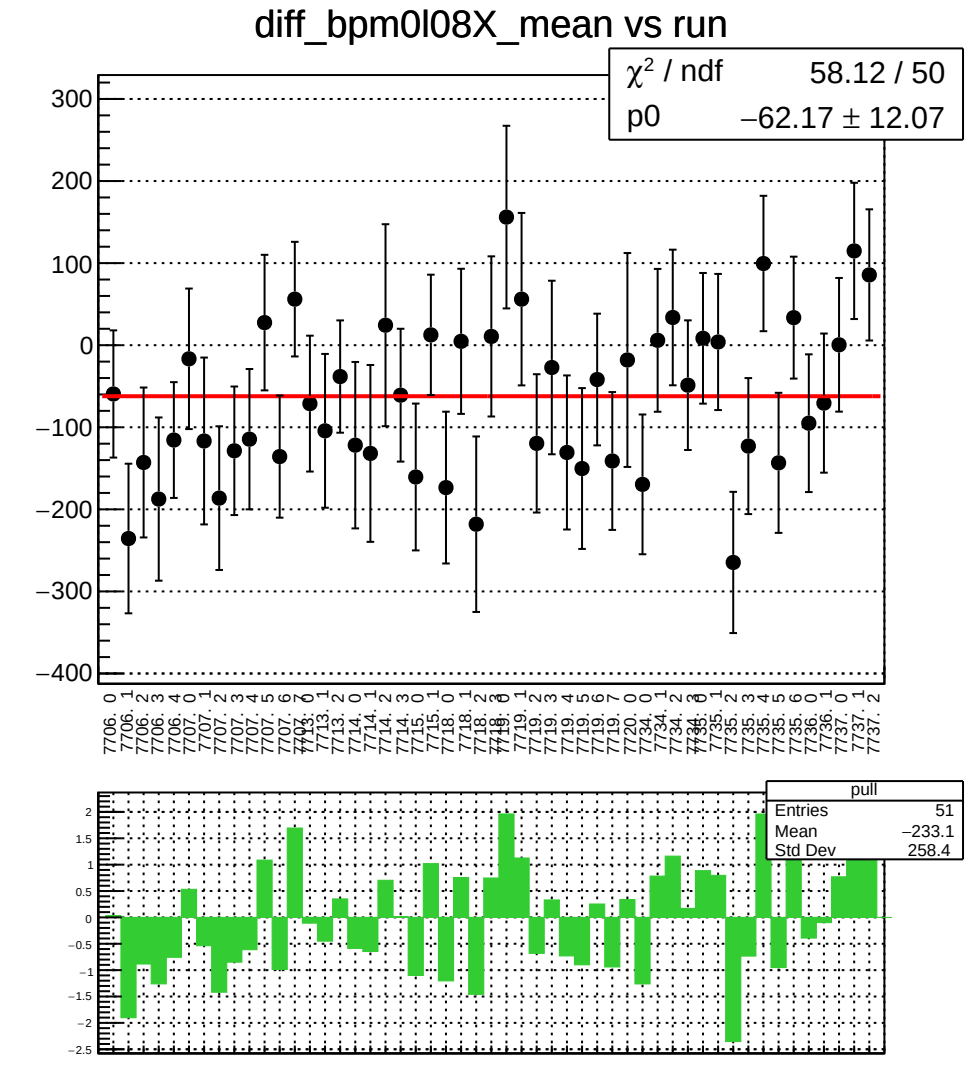

pull1D
Entries 51
Mean −0.02069
Std Dev 1.072

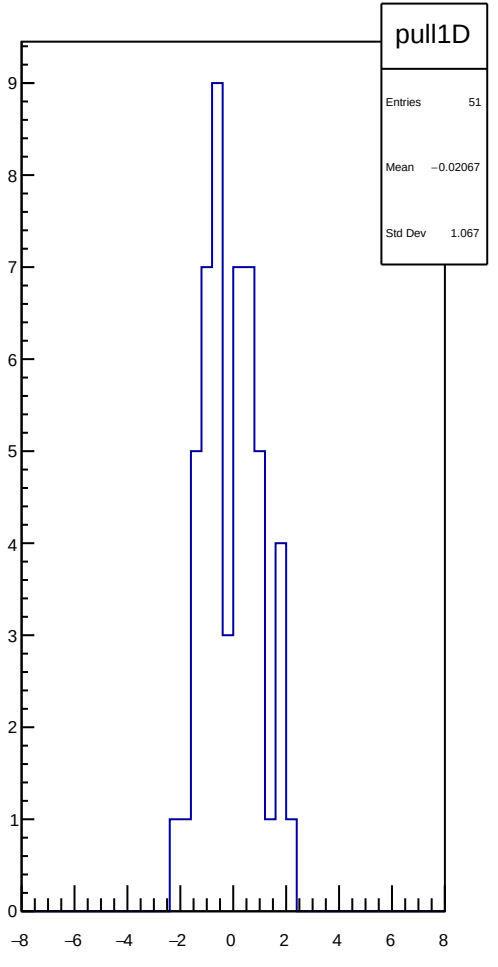

diff_bpm0l07X_rms vs run
χ² / ndf 9922 / 50
p0 9516 ± 9.734
14000
13000
12000
11000
10000
9000
8000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

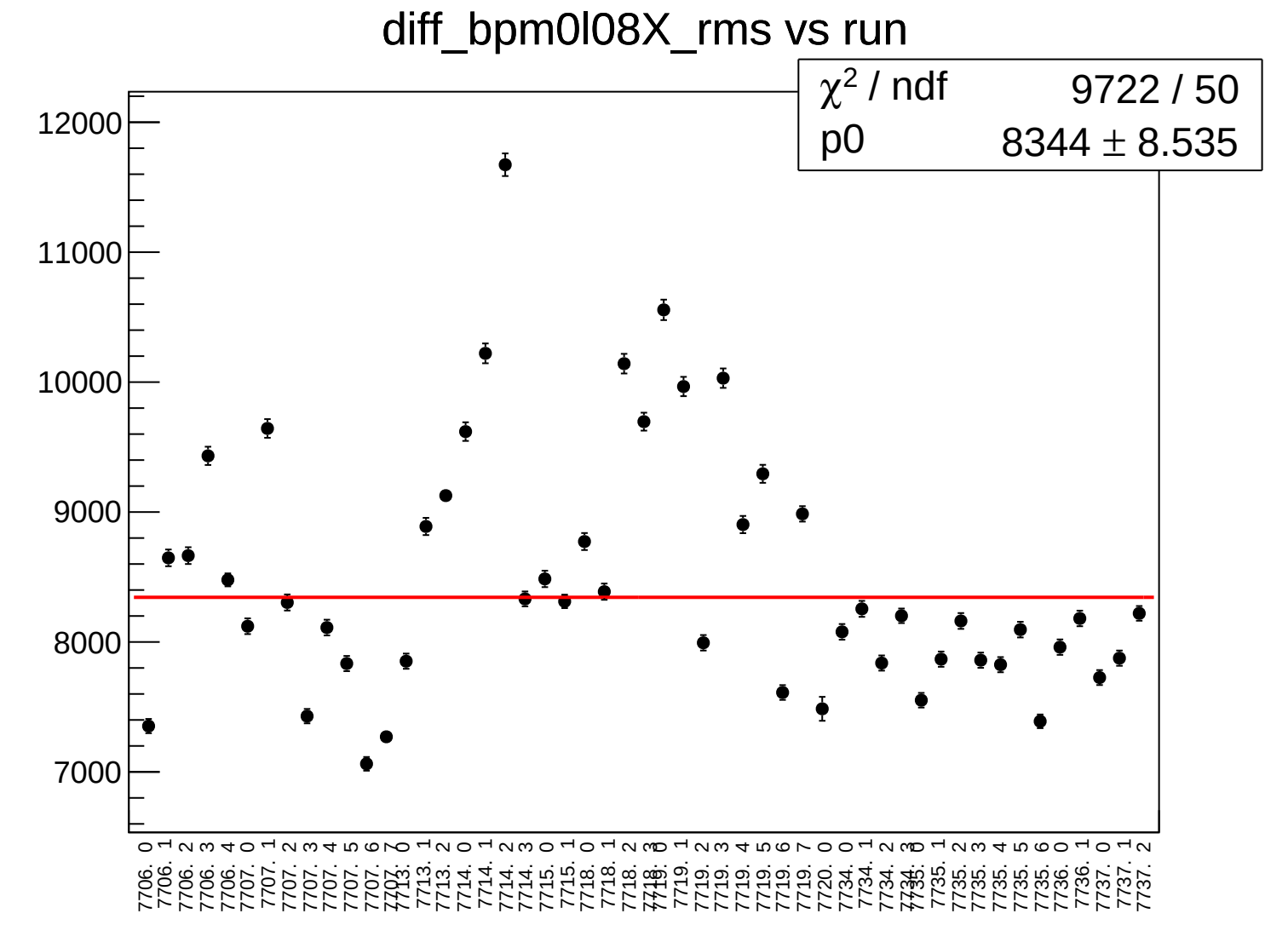

diff_bpm0l07Y_mean vs run
χ² / ndf 101.4 / 50
p0 −1.621± 1.292
pull
Entries 51
Mean −274.2
Std Dev 301.3

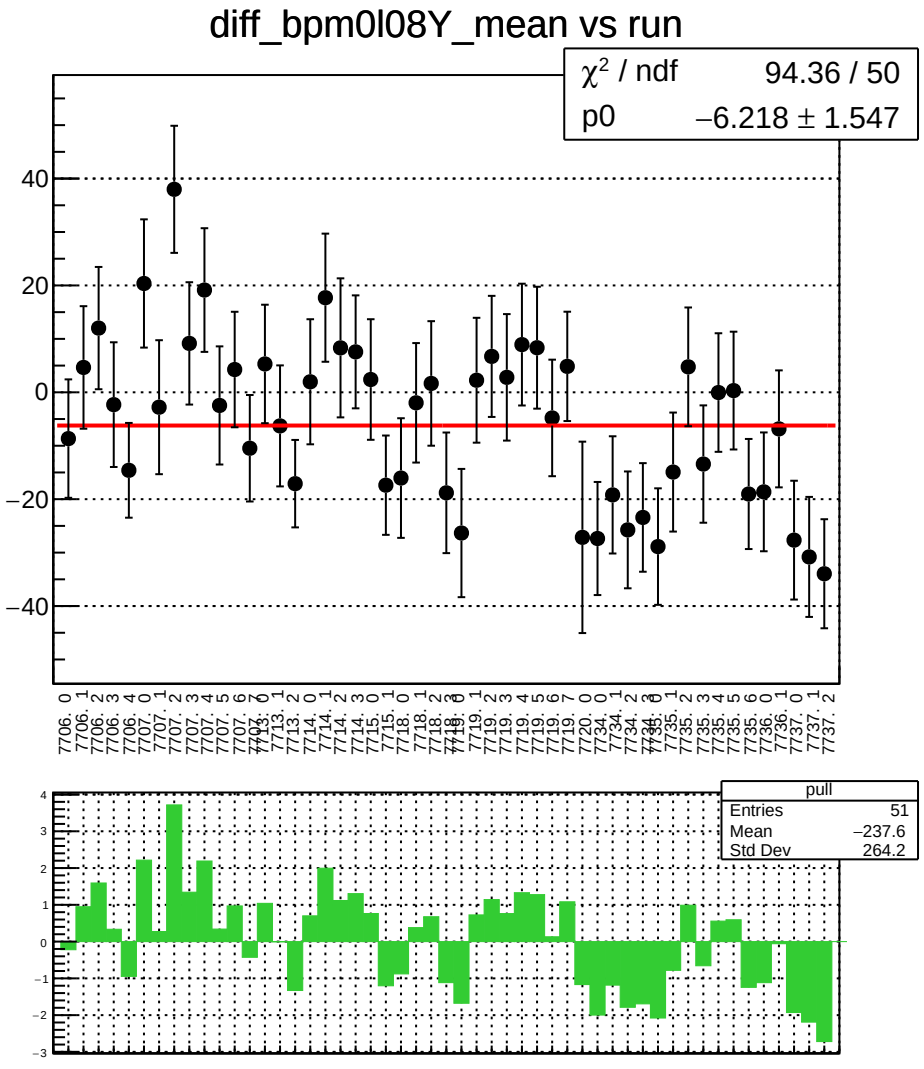

pull1D
Entries 51
Mean 0.03392
Std Dev 1.41

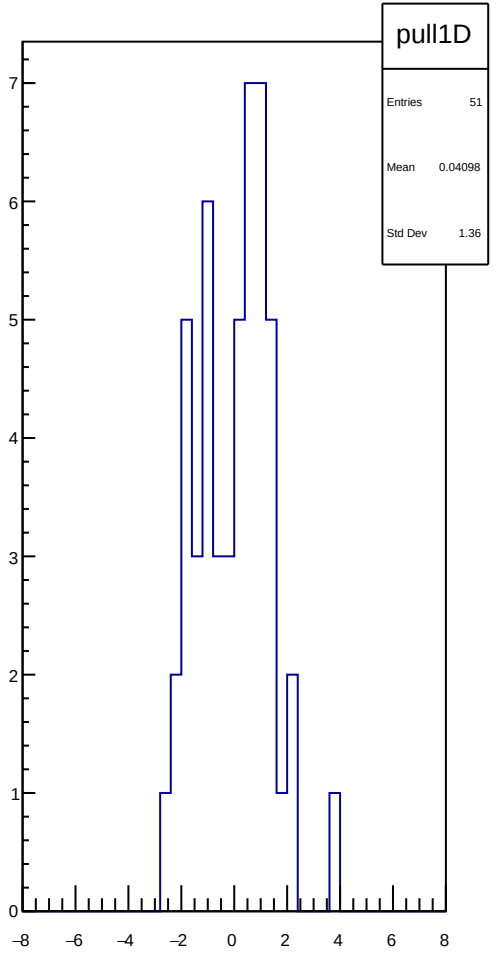

diff_bpm0l07Y_rms vs run
χ² / ndf 919.2 / 50
p0 897.3 ± 0.9137
1000
980
960
940
920
900
880
860
840
820
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

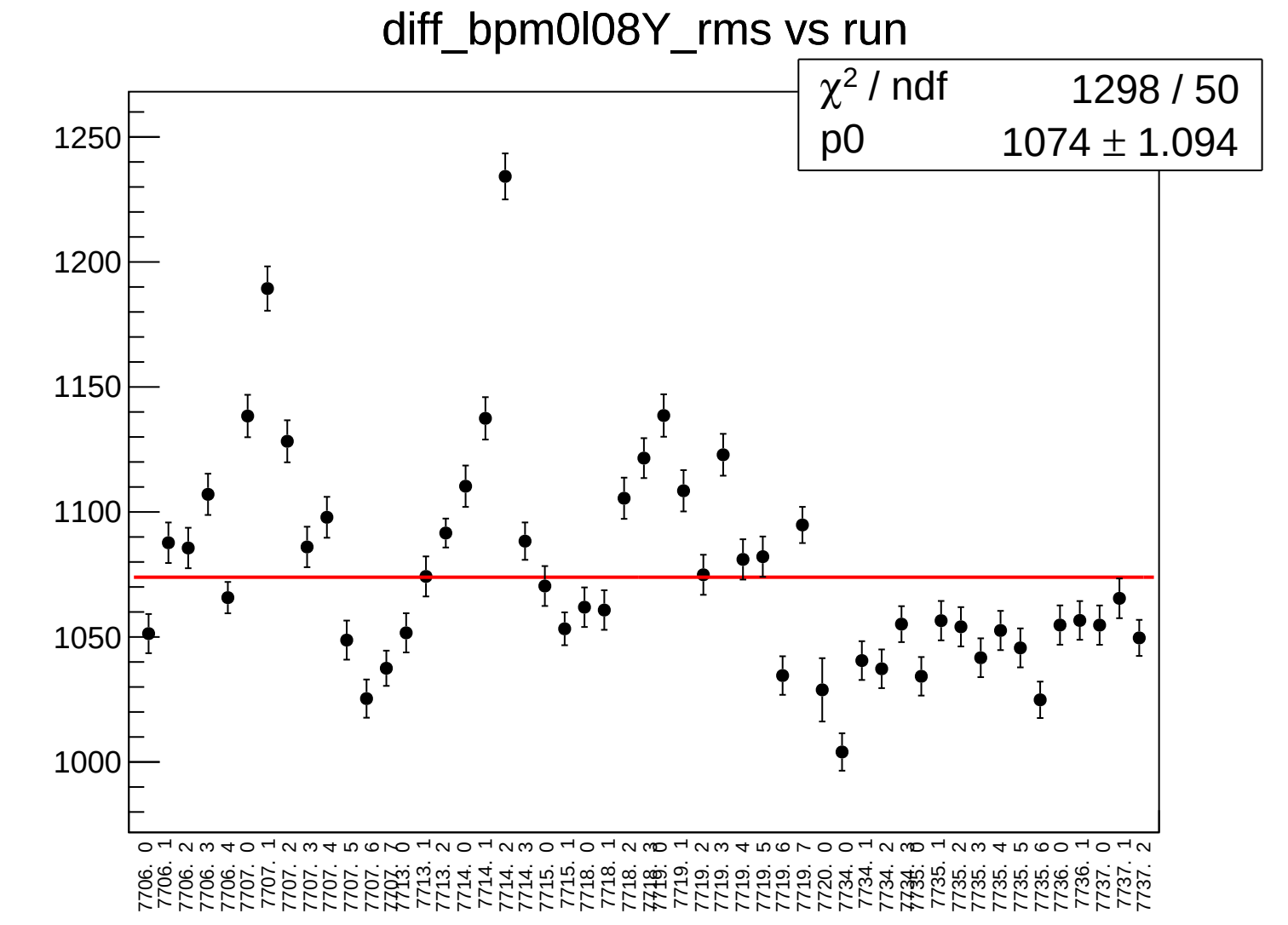

diff_bpm0l08X_mean vs run
χ² / ndf 58.12 / 50
p0 −62.17 ± 12.07
pull
Entries 51
Mean −233.1
Std Dev 258.4

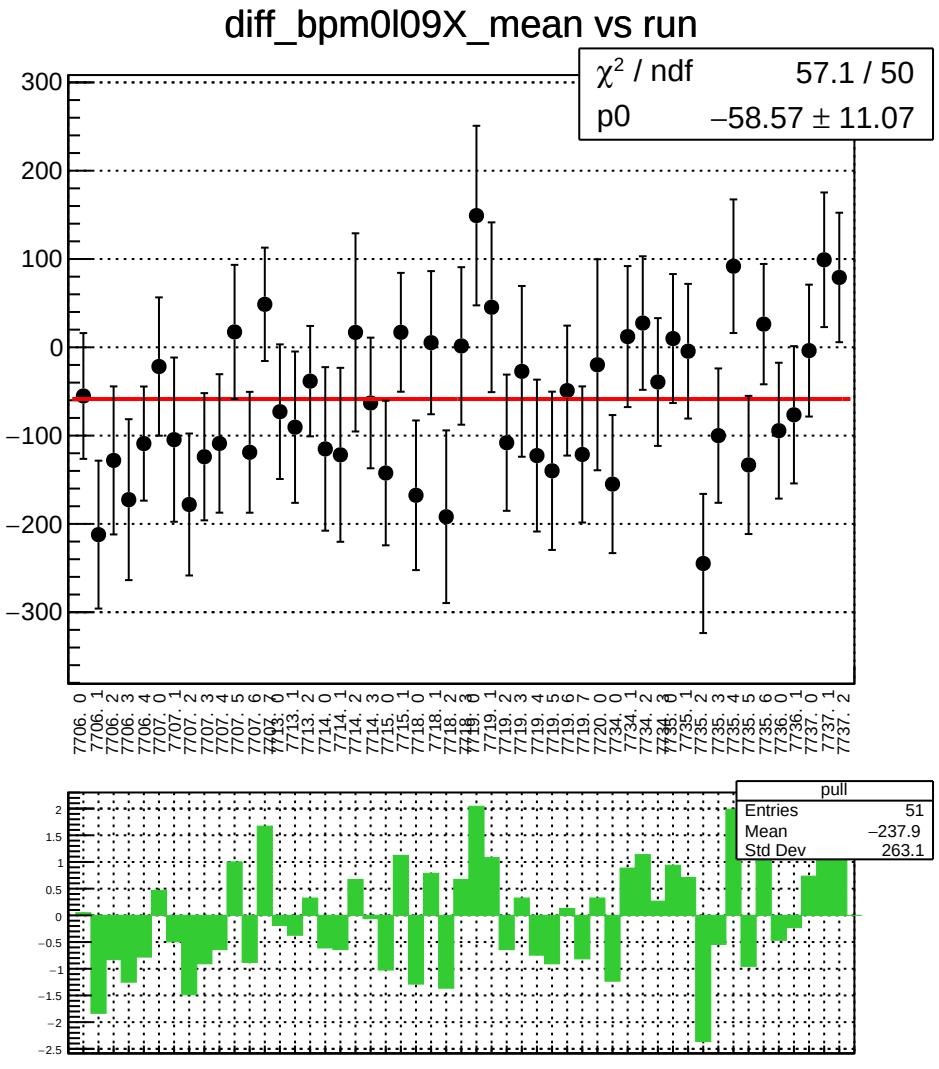

pull1D
Entries 51
Mean −0.02067
Std Dev 1.067

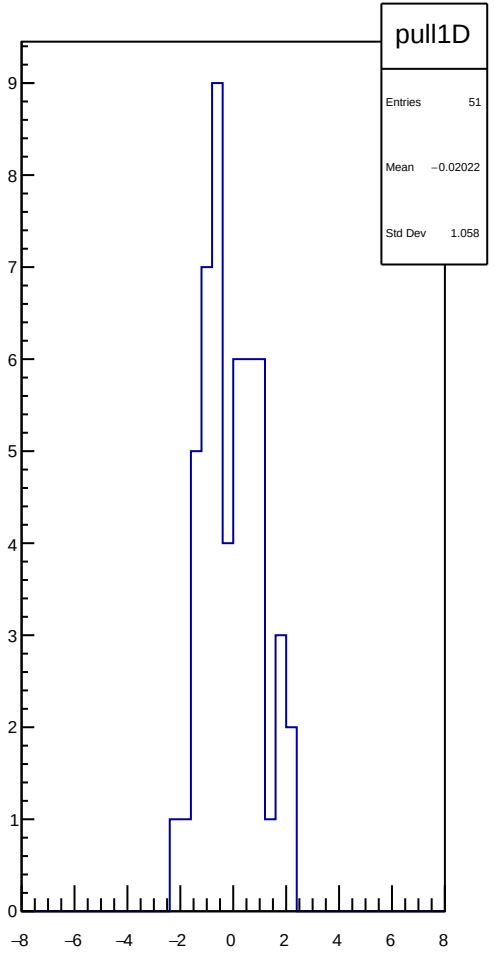

diff_bpm0l08X_rms vs run
χ² / ndf 9722 / 50
p0 8344 ± 8.535
12000
11000
10000
9000
8000
7000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

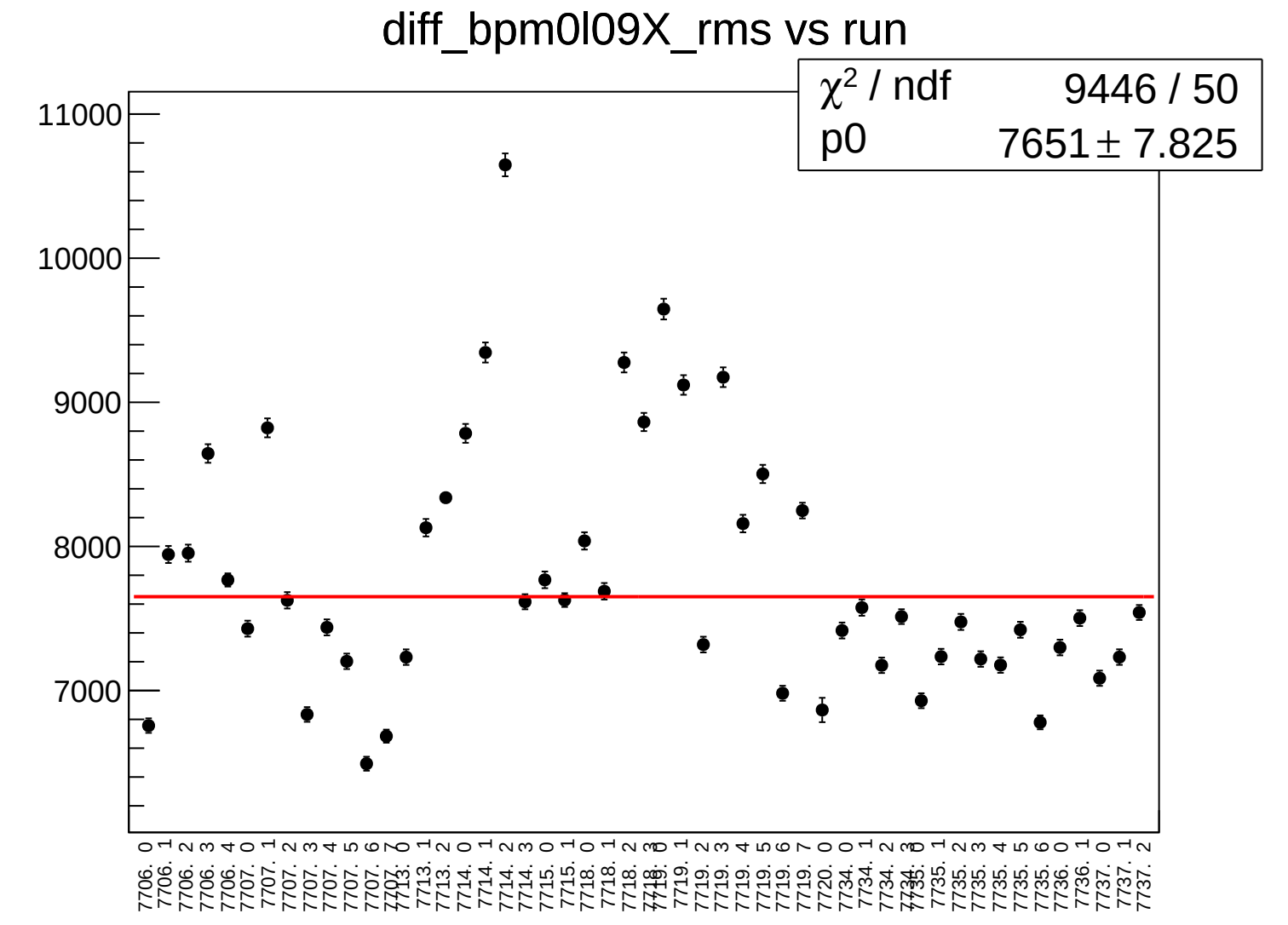

diff_bpm0l08Y_mean vs run
χ² / ndf 94.36 / 50
p0 −6.218 ± 1.547
pull
Entries 51
Mean −237.6
Std Dev 264.2

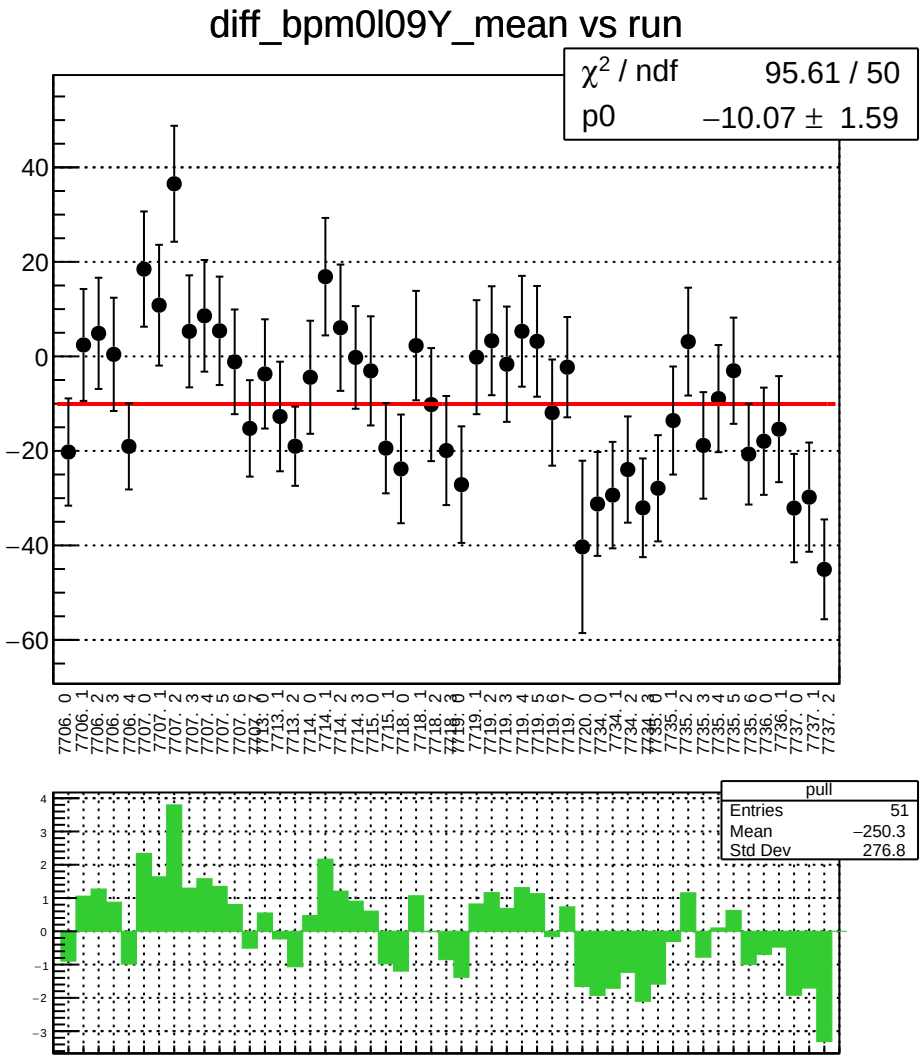

pull1D
Entries 51
Mean 0.04098
Std Dev 1.36

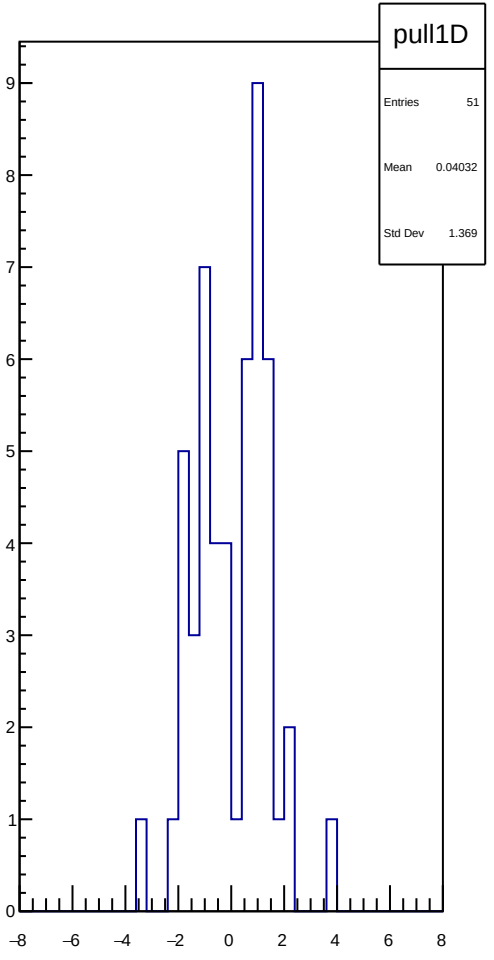

diff_bpm0l08Y_rms vs run
χ² / ndf 1298 / 50
p0 1074 ± 1.094
1250
1200
1150
1100
1050
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

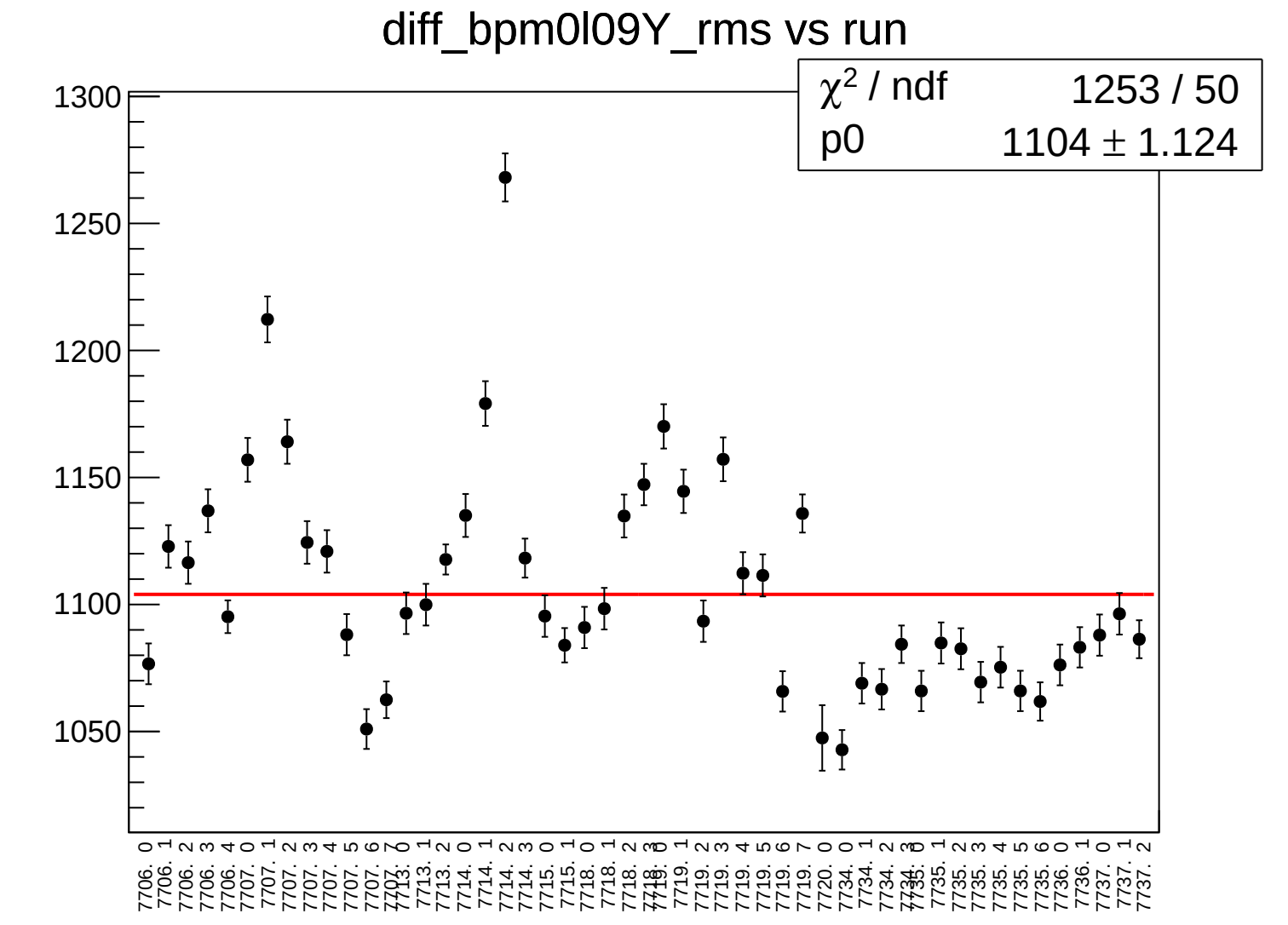

diff_bpm0l09X_mean vs run
χ² / ndf 57.1 / 50
p0 −58.57 ± 11.07
pull
Entries 51
Mean −237.9
Std Dev 263.1

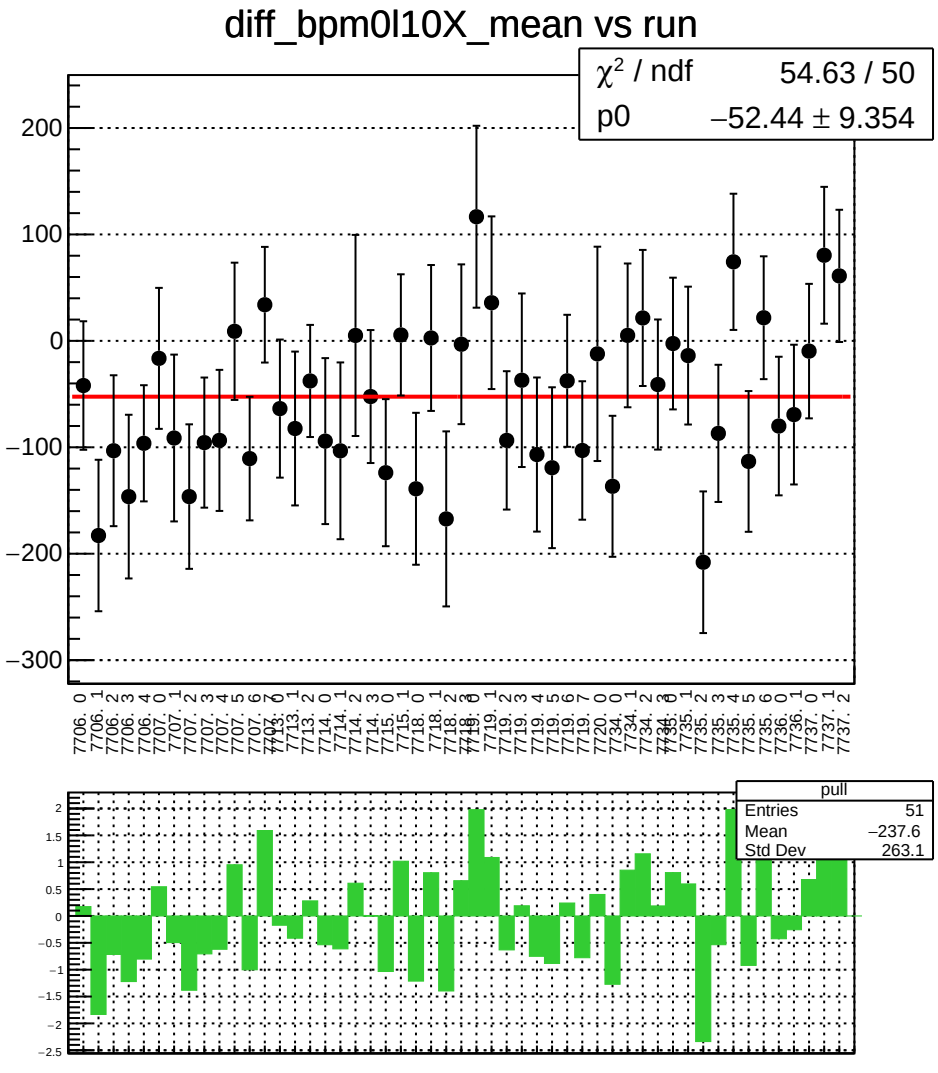

pull1D
Entries 51
Mean −0.02022
Std Dev 1.058

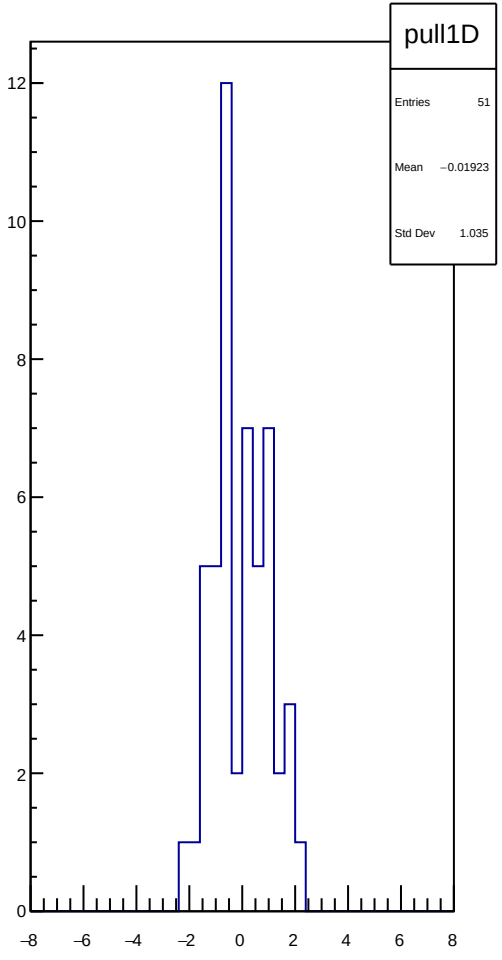

diff_bpm0l09X_rms vs run
χ² / ndf 9446 / 50
p0 7651 ± 7.825
11000
10000
9000
8000
7000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

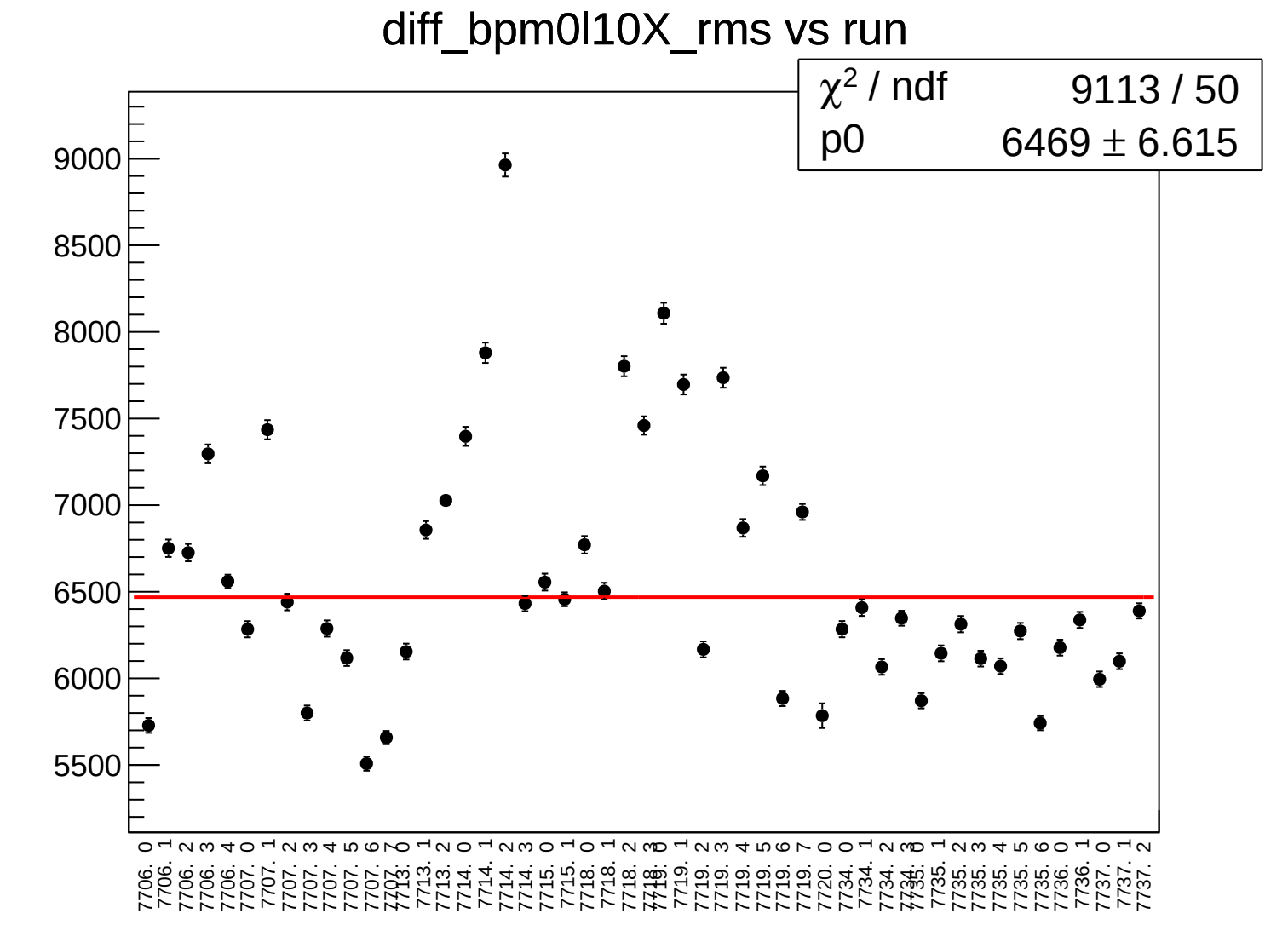

diff_bpm0l09Y_mean vs run
χ² / ndf 95.61 / 50
p0 −10.07 ± 1.59
pull
Entries 51
Mean −250.3
Std Dev 276.8

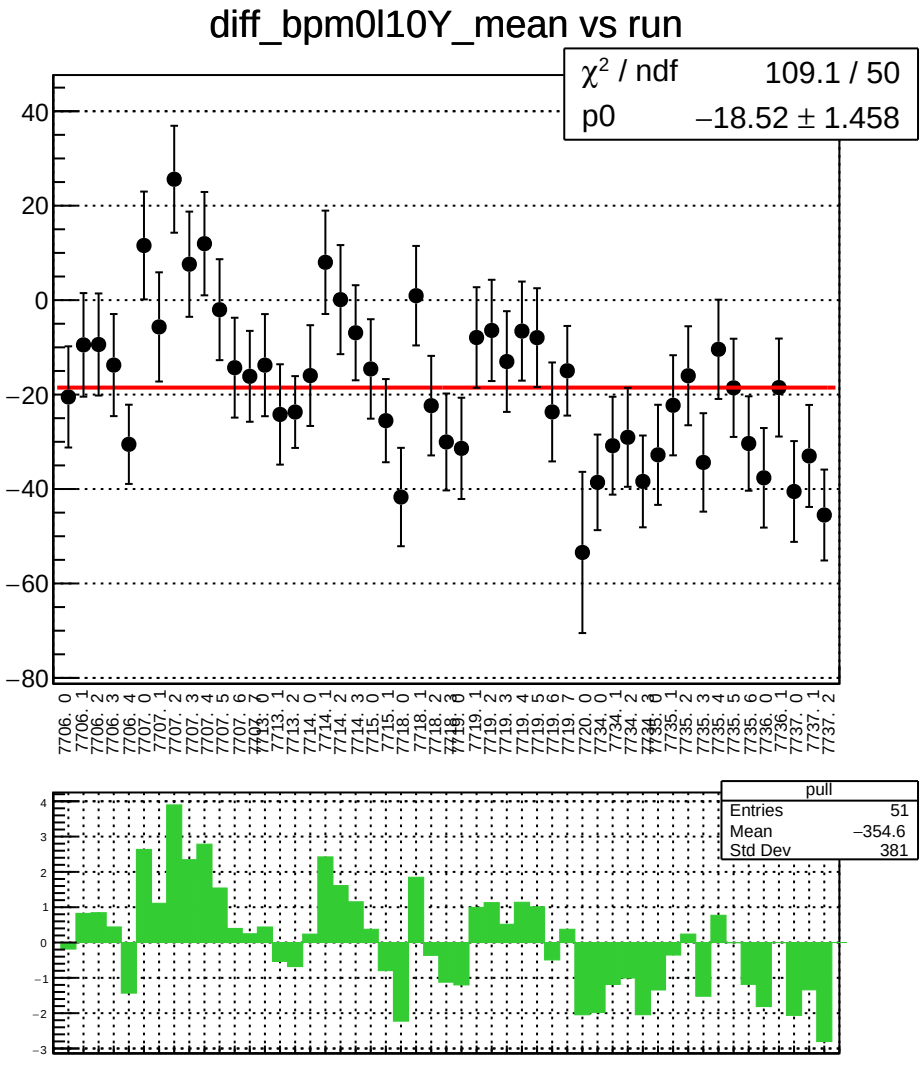

pull1D
Entries 51
Mean 0.04032
Std Dev 1.369

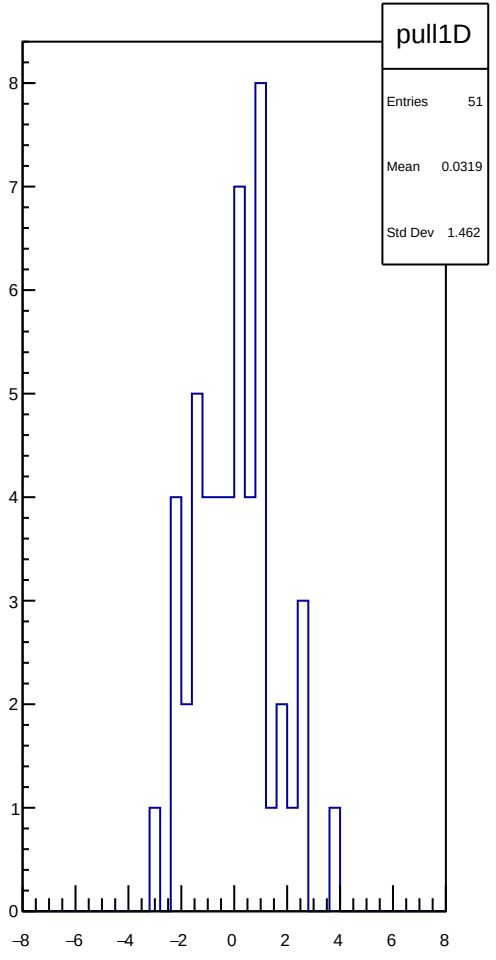

diff_bpm0l09Y_rms vs run
χ² / ndf 1253 / 50
p0 1104 ± 1.124
1300
1250
1200
1150
1100
1050
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

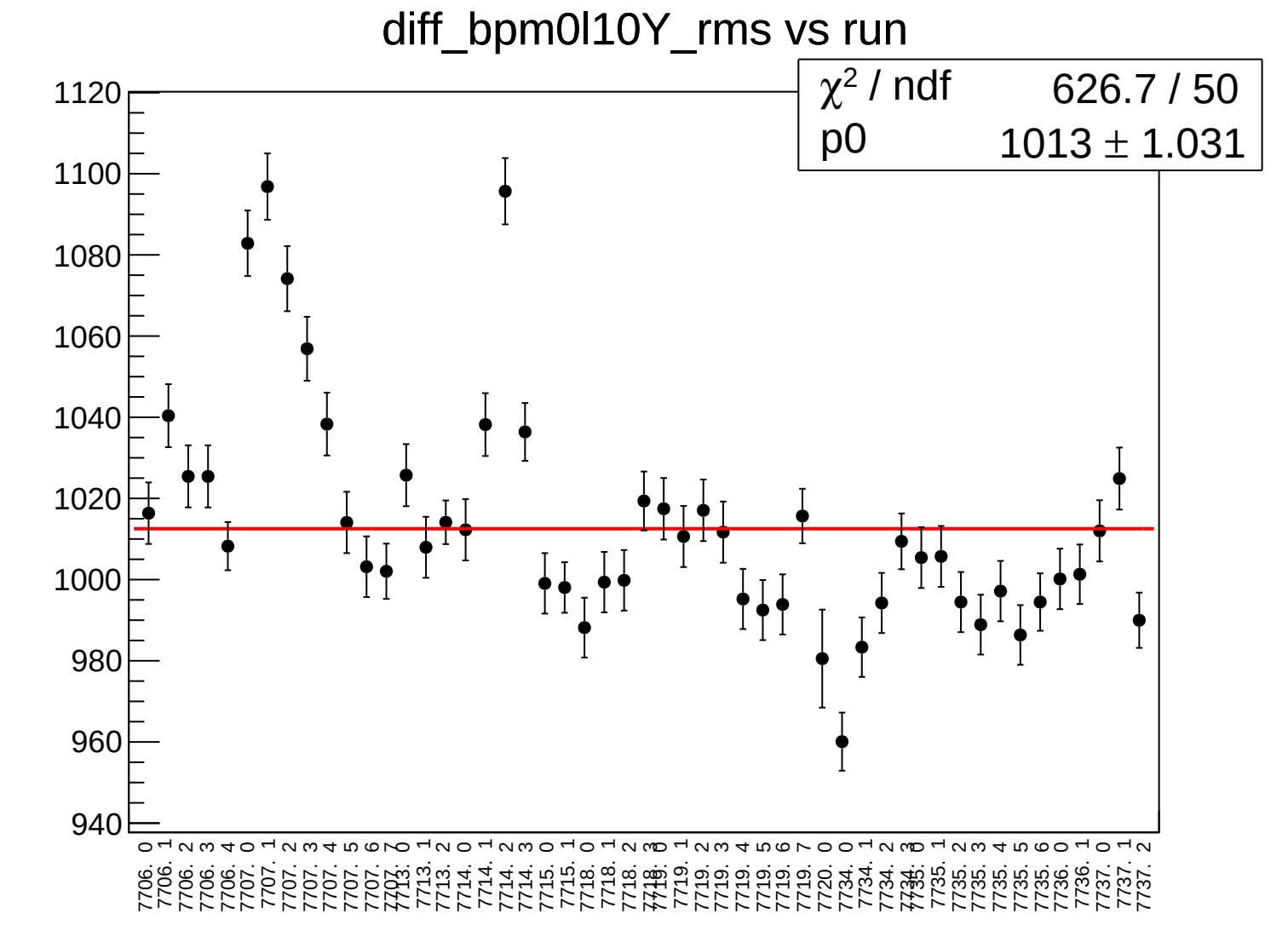

diff_bpm0l10X_mean vs run
χ² / ndf 54.63 / 50
p0 −52.44 ± 9.354
200
100
0
−100
−200
−300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −237.6
Std Dev 263.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

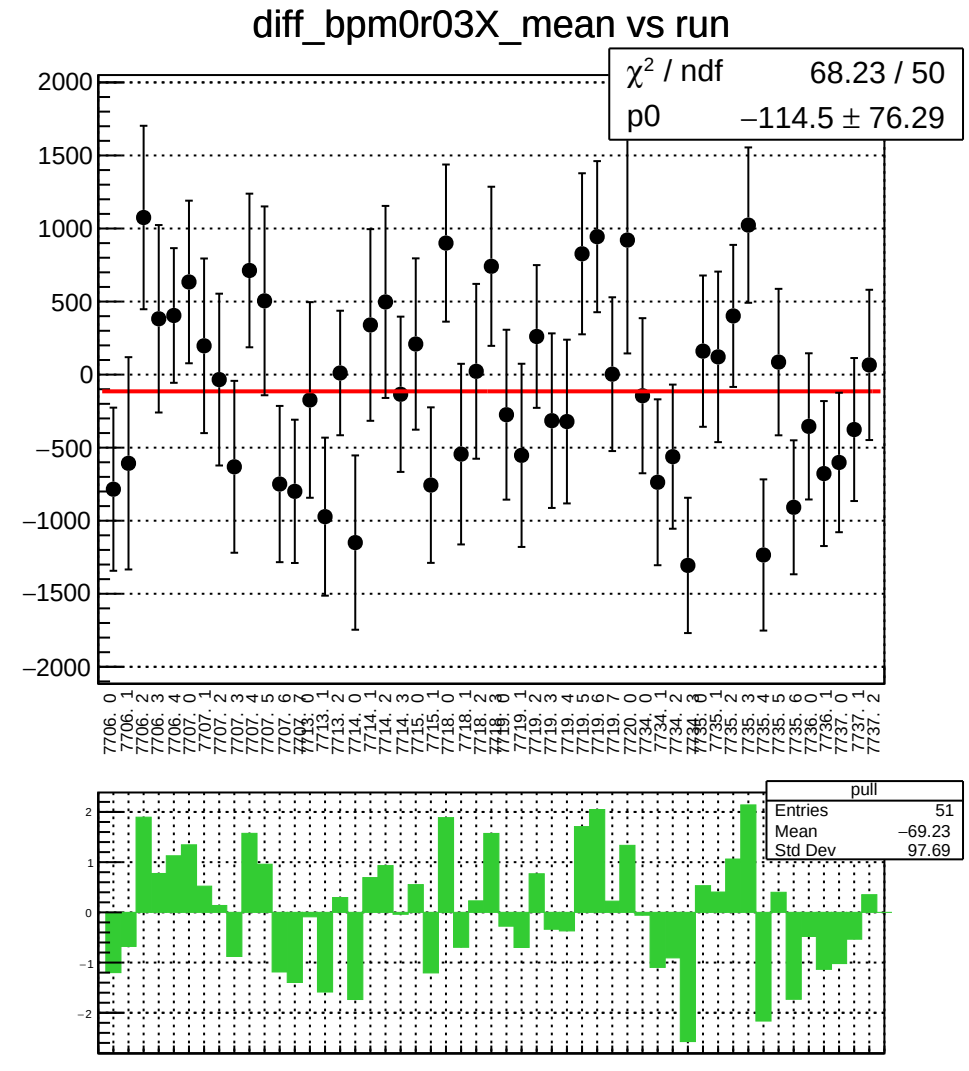

pull1D
Entries 51
Mean −0.01923
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

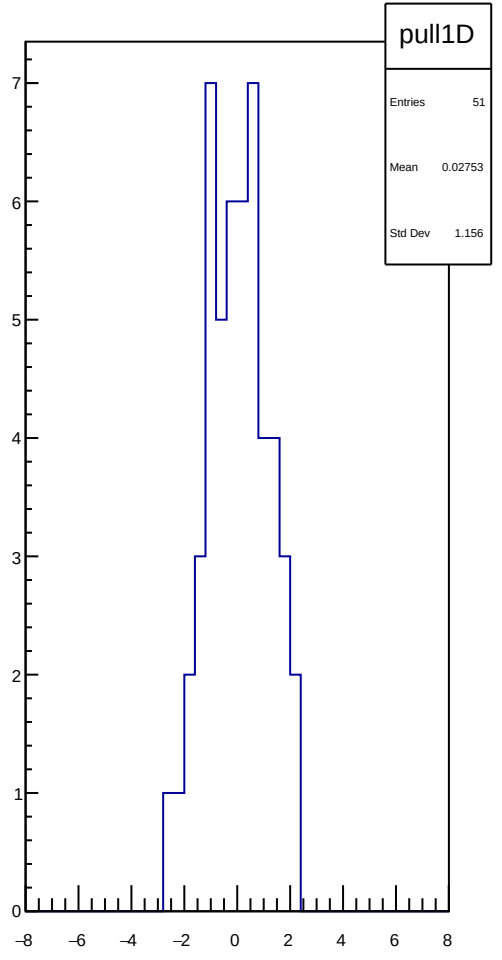

diff_bpm0l10X_rms vs run
χ^2 / ndf 9113 / 50
p0 6469 ± 6.615
9000
8500
8000
7500
7000
6500
6000
5500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

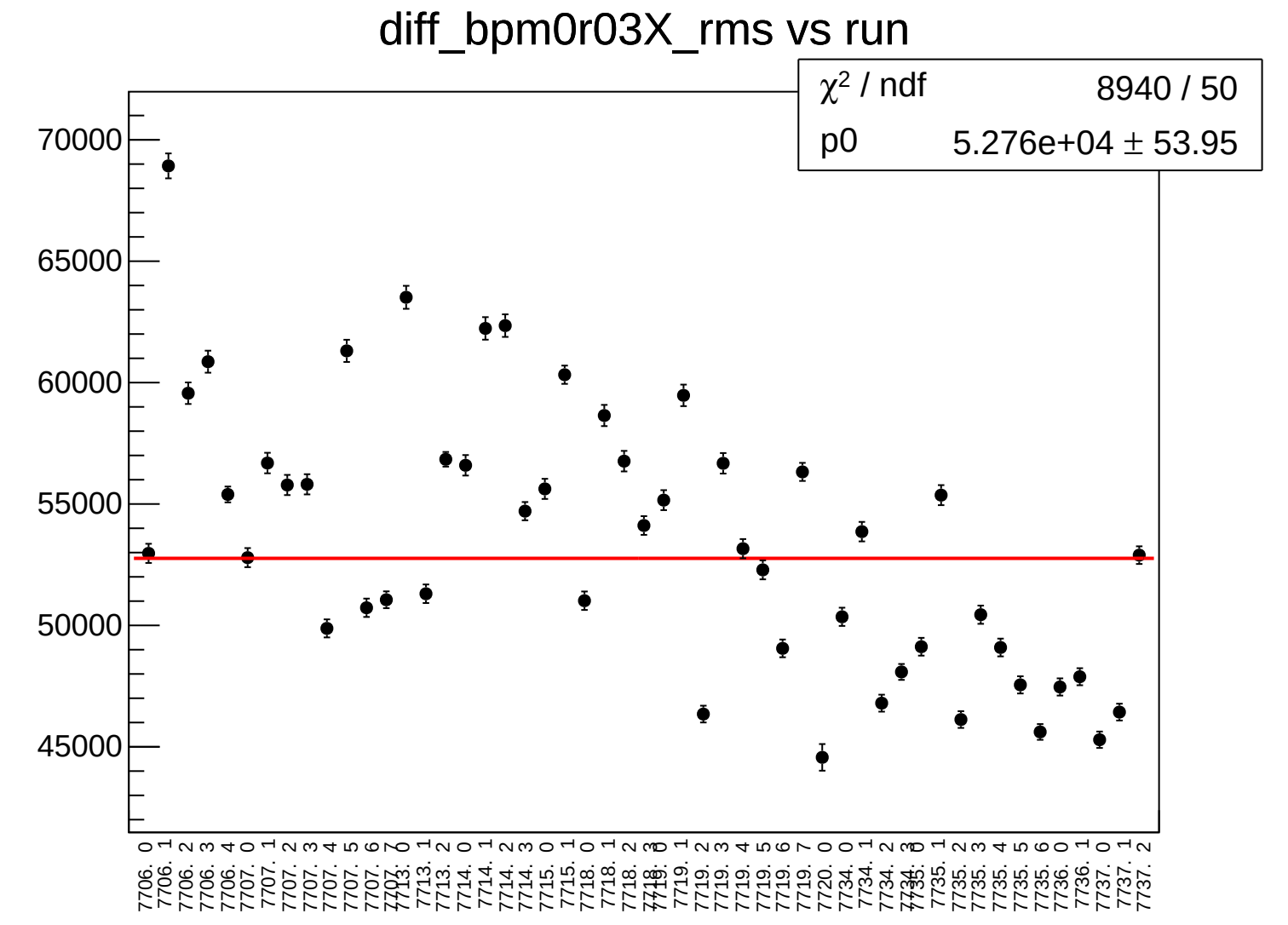

diff_bpm0l10Y_mean vs run
χ² / ndf 109.1 / 50
p0 −18.52 ± 1.458
pull
Entries 51
Mean −354.6
Std Dev 381

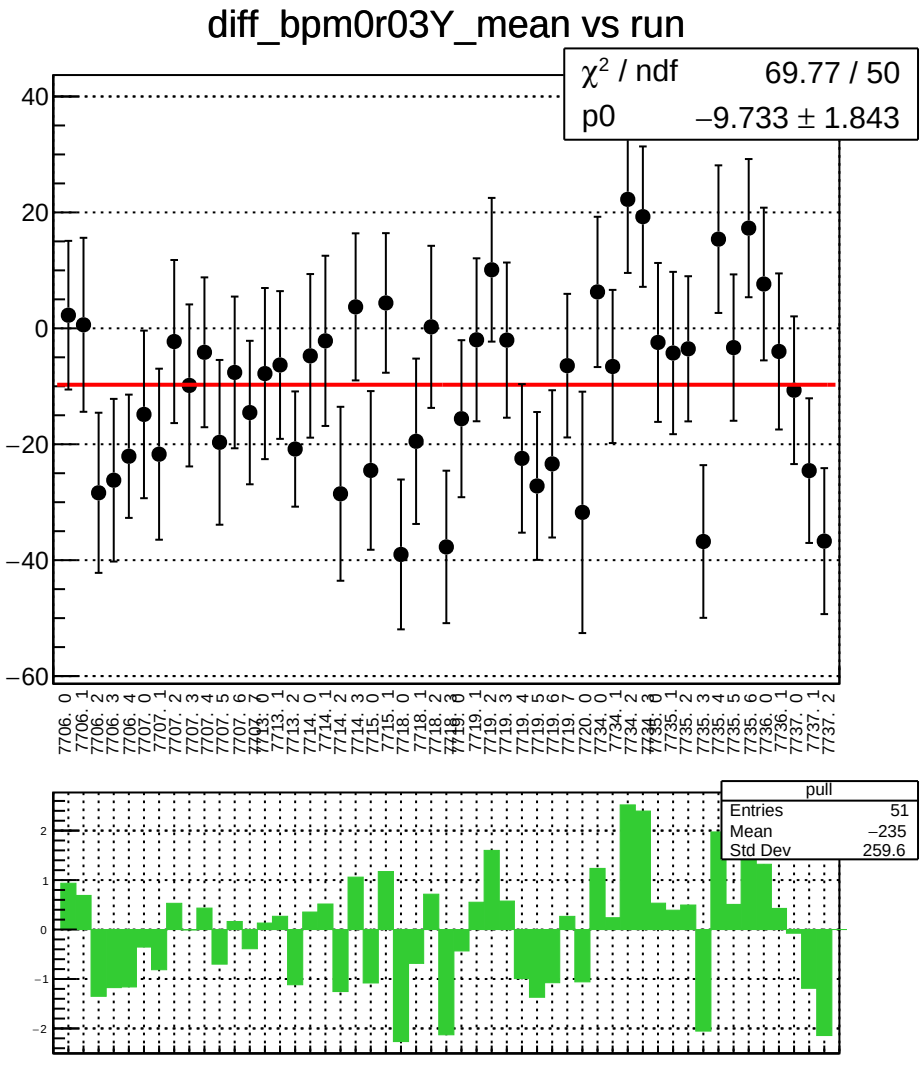

pull1D
Entries 51
Mean 0.0319
Std Dev 1.462

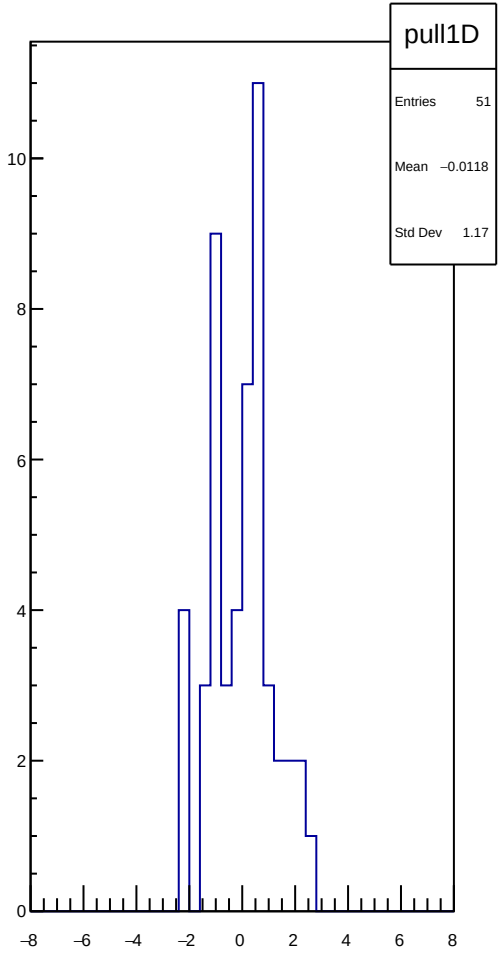

diff_bpm0l10Y_rms vs run
χ² / ndf 626.7 / 50
p0 1013 ± 1.031
1120
1100
1080
1060
1040
1020
1000
980
960
940
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

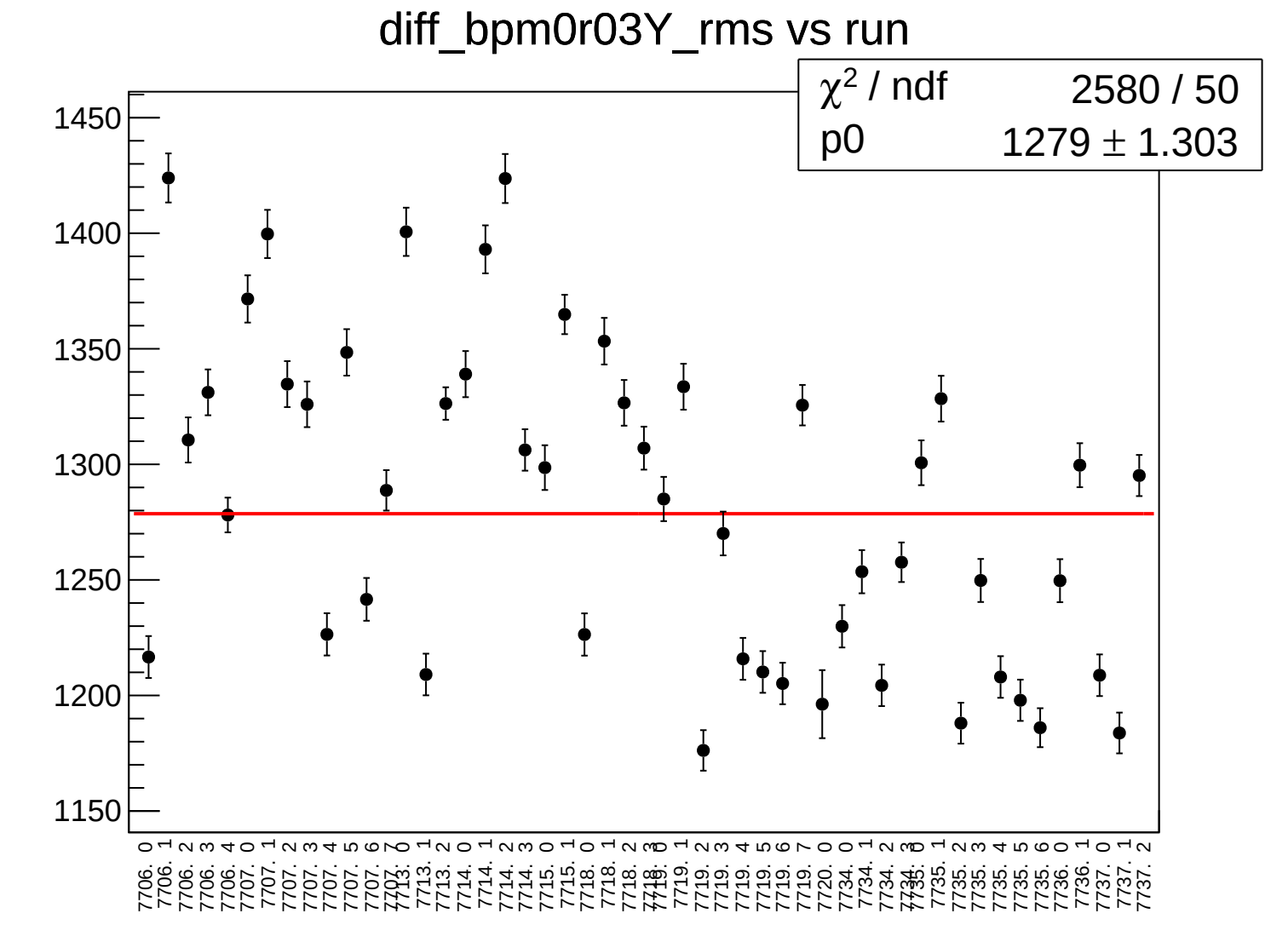

diff_bpm0r03X_mean vs run
χ² / ndf 68.23 / 50
p0 −114.5 ± 76.29
pull
Entries 51
Mean −69.23
Std Dev 97.69

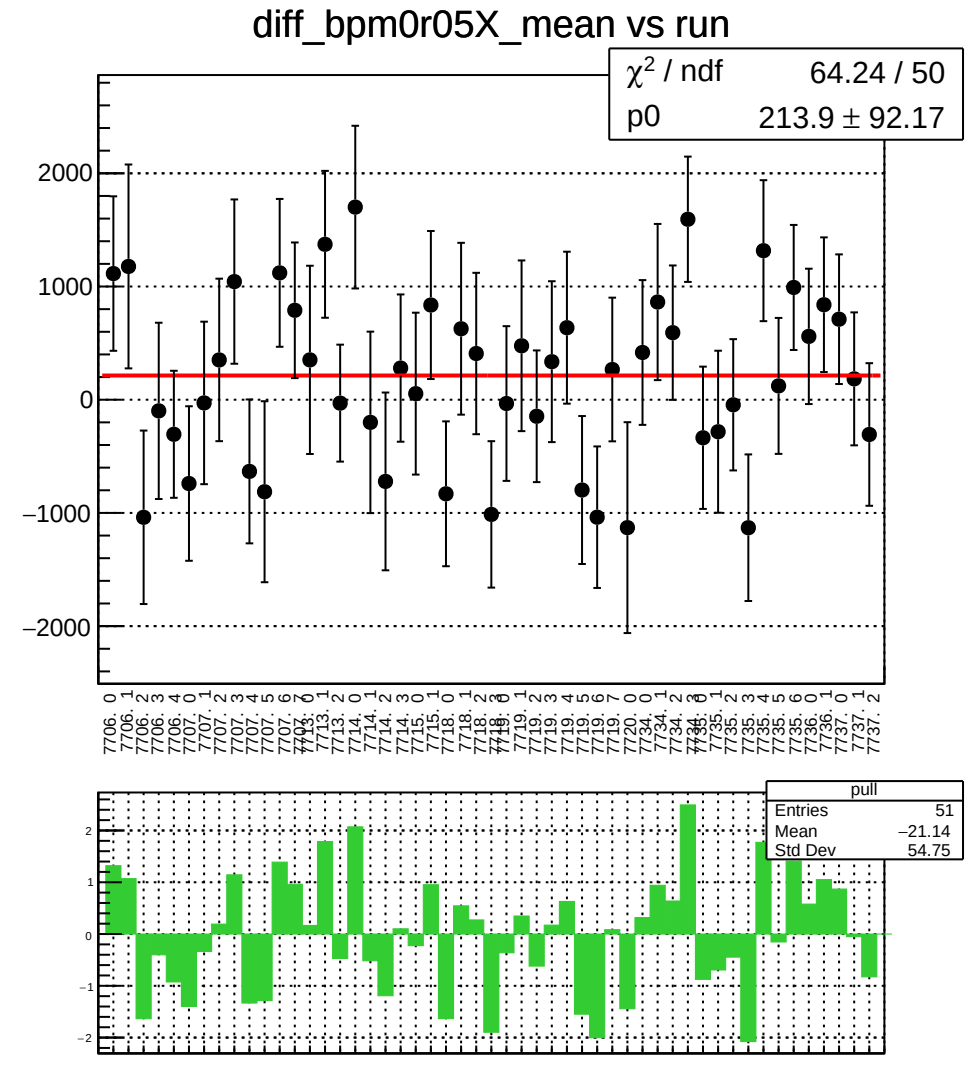

pull1D
Entries 51
Mean 0.02753
Std Dev 1.156

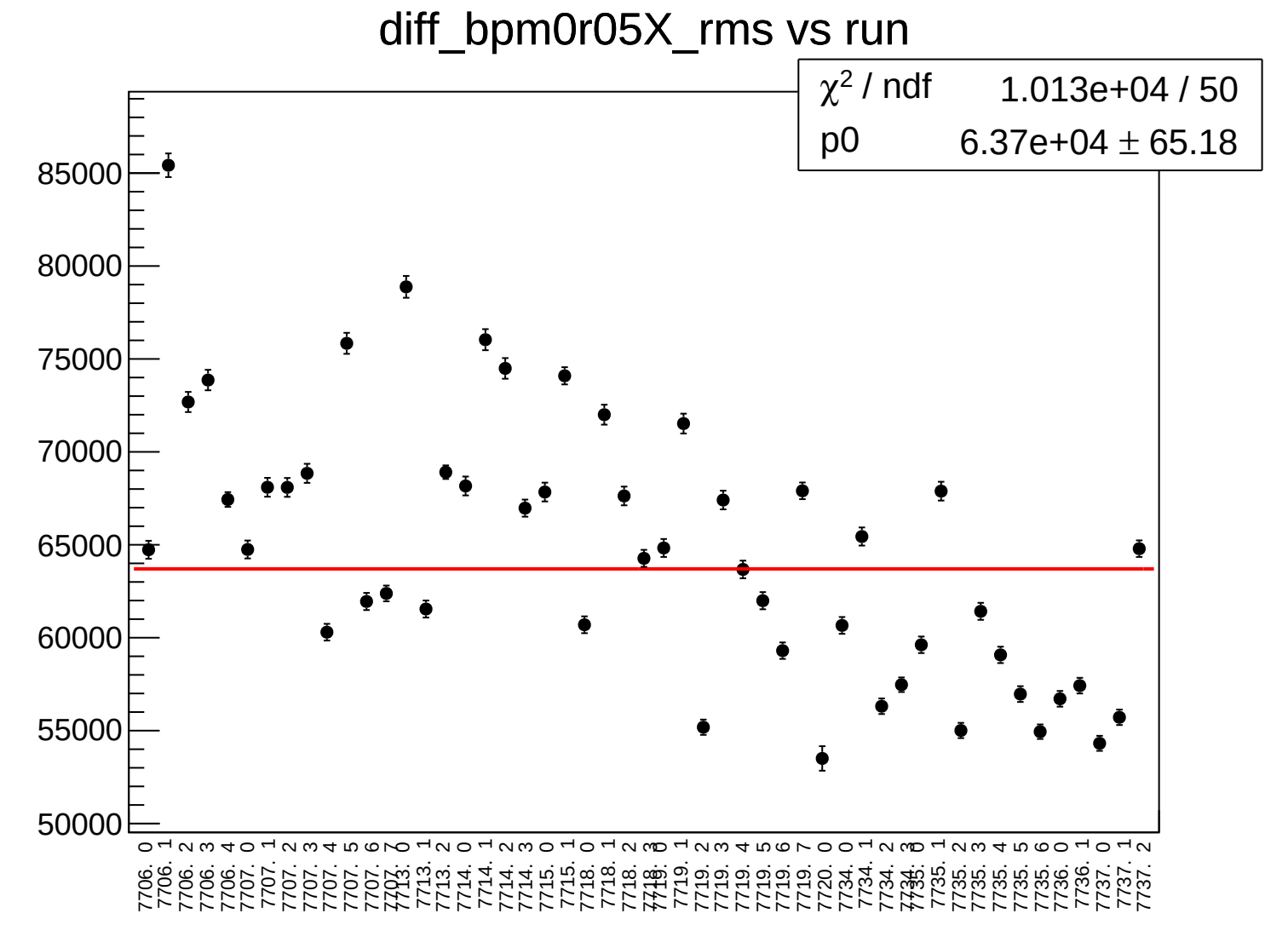

diff_bpm0r03X_rms vs run
χ² / ndf 8940 / 50
p0 5.276e+04 ± 53.95
70000
65000
60000
55000
50000
45000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

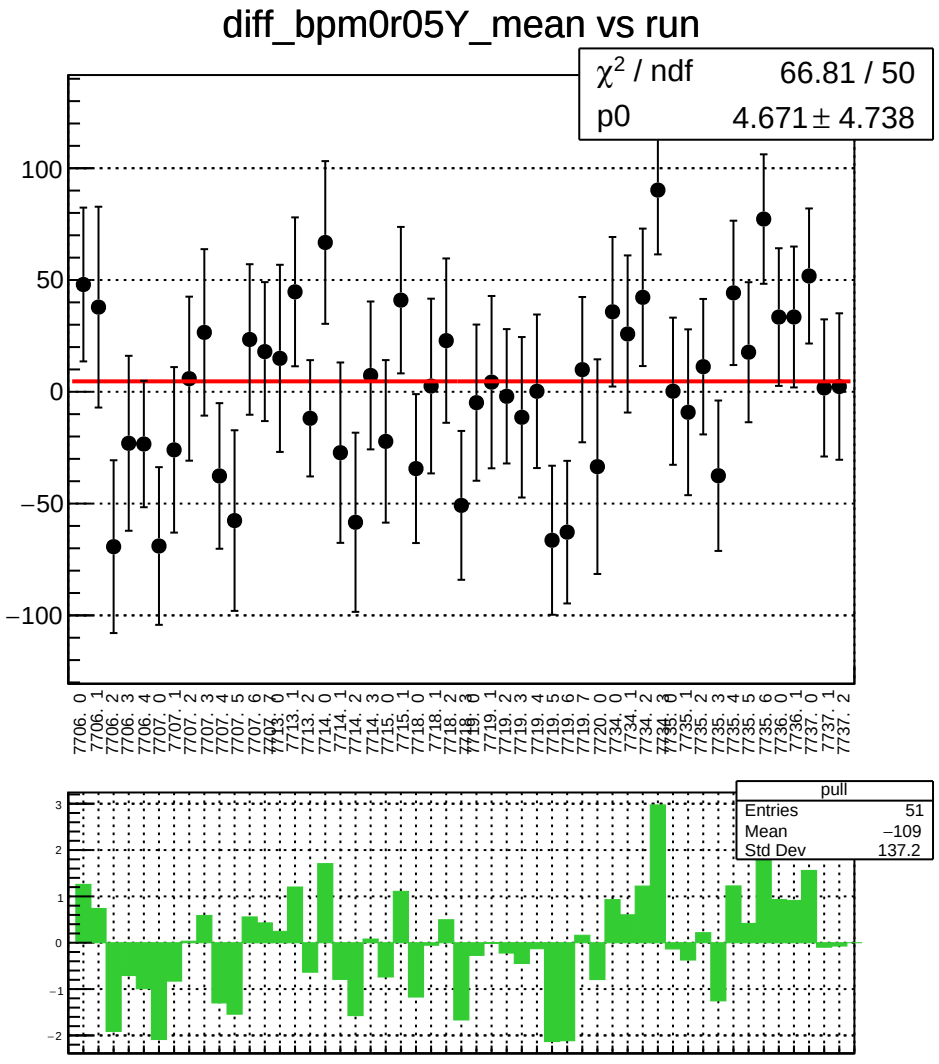

diff_bpm0r03Y_mean vs run
χ² / ndf 69.77 / 50
p0 −9.733 ± 1.843
pull
Entries 51
Mean −235
Std Dev 259.6

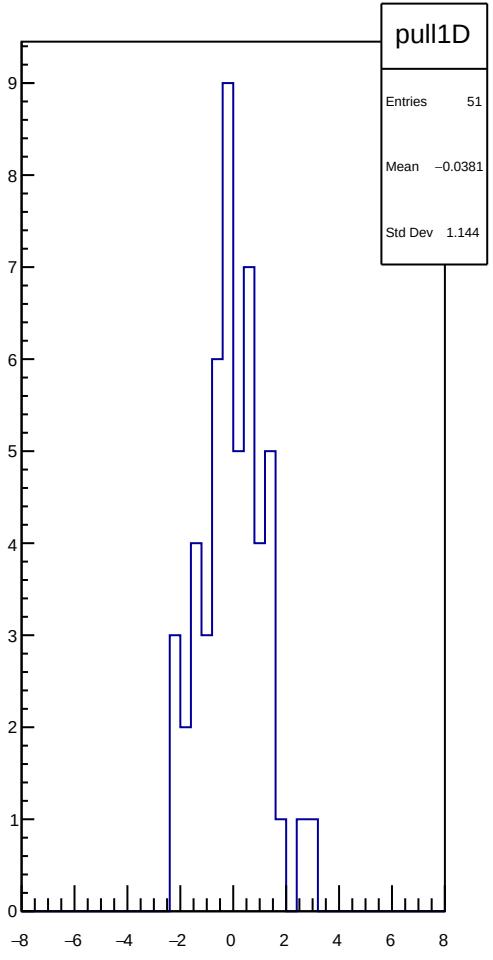

pull1D
Entries 51
Mean −0.0118
Std Dev 1.17

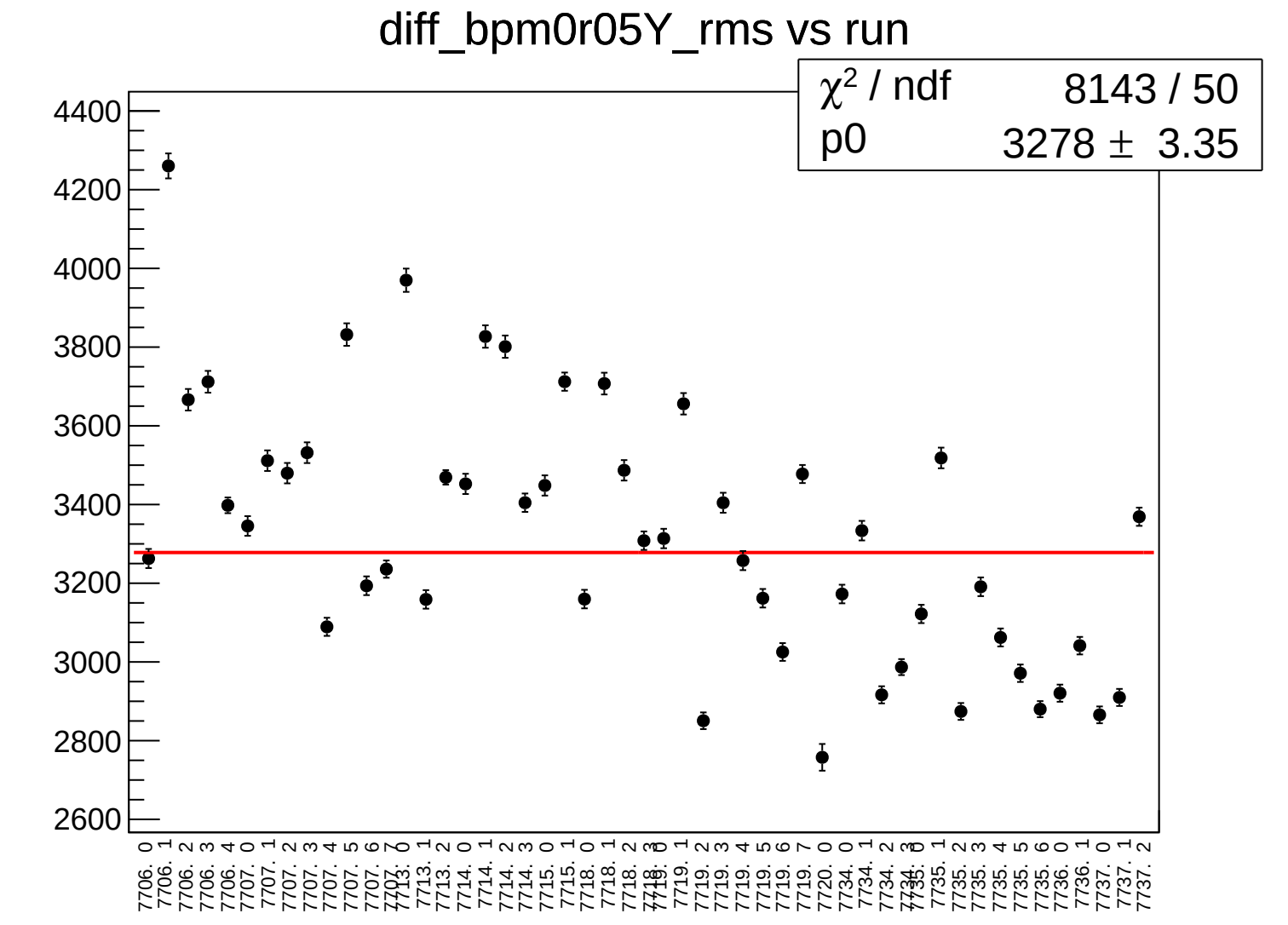

diff_bpm0r03Y_rms vs run
χ² / ndf 2580 / 50
p0 1279 ± 1.303
1450
1400
1350
1300
1250
1200
1150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

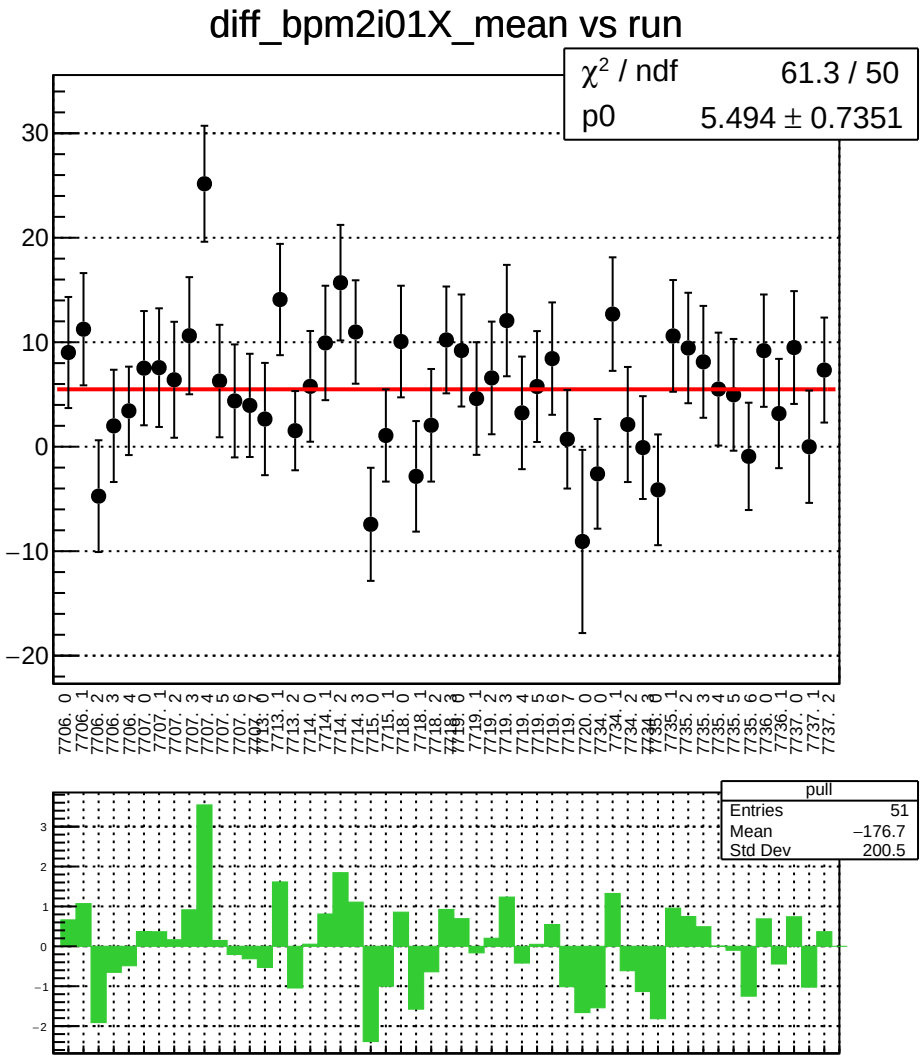

diff_bpm0r05X_mean vs run
χ² / ndf 64.24 / 50
p0 213.9 ± 92.17
2000
1000
0
−1000
−2000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −21.14
Std Dev 54.75
2
1
0
−1
−2
pull1D
Entries 51
Mean −0.02109
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

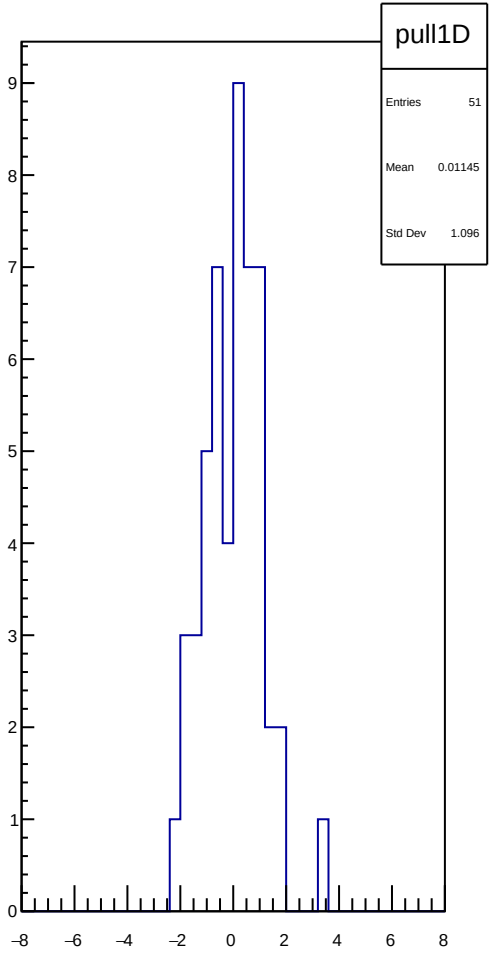

diff_bpm0r05X_rms vs run
χ² / ndf 1.013e+04 / 50
p0 6.37e+04 ± 65.18
85000
80000
75000
70000
65000
60000
55000
50000
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

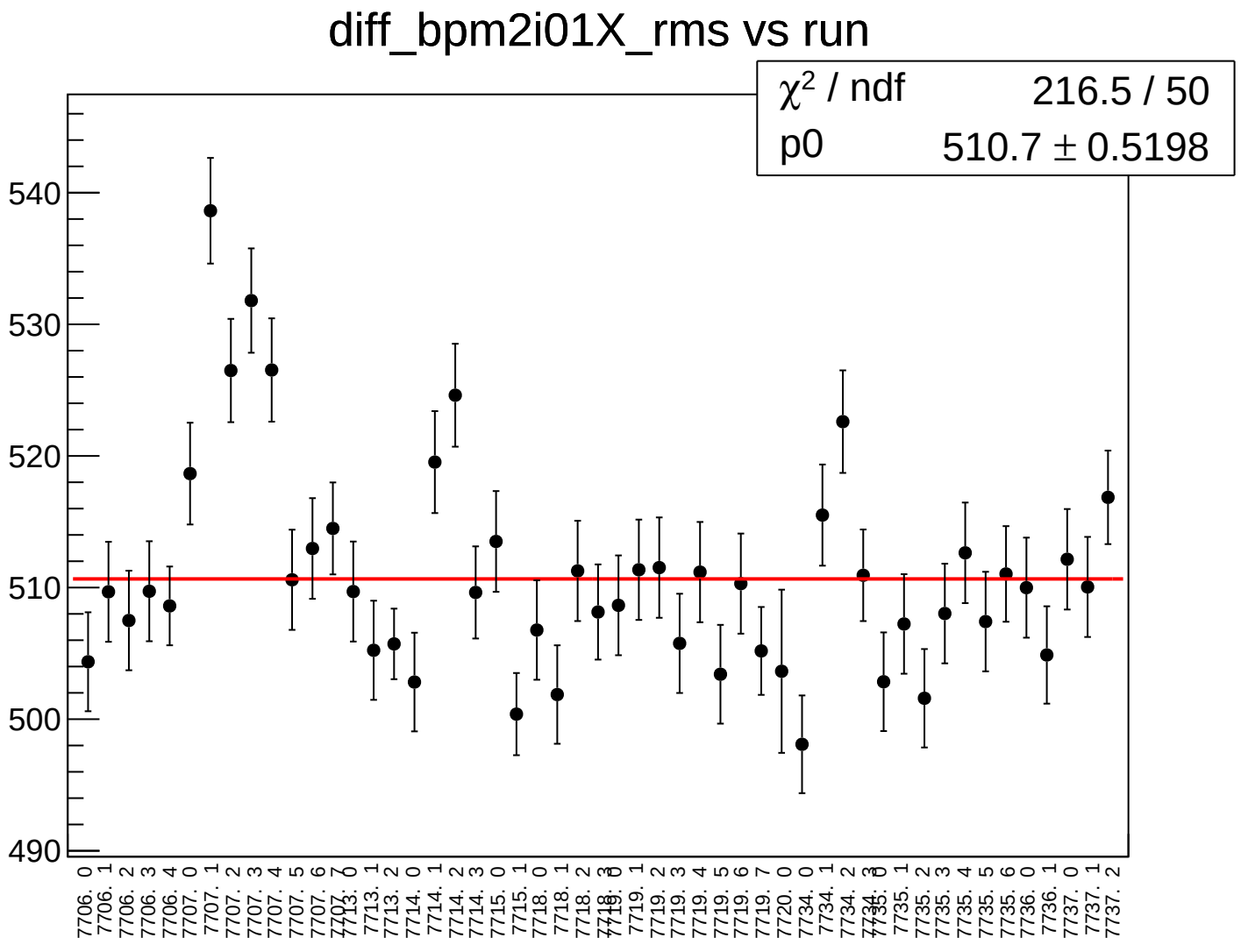

diff_bpm0r05Y_mean vs run
χ² / ndf 66.81 / 50
p0 4.671 ± 4.738
100
50
0
−50
−100
pull
Entries 51
Mean −109
Std Dev 137.2
3
2
1
0
−1
−2

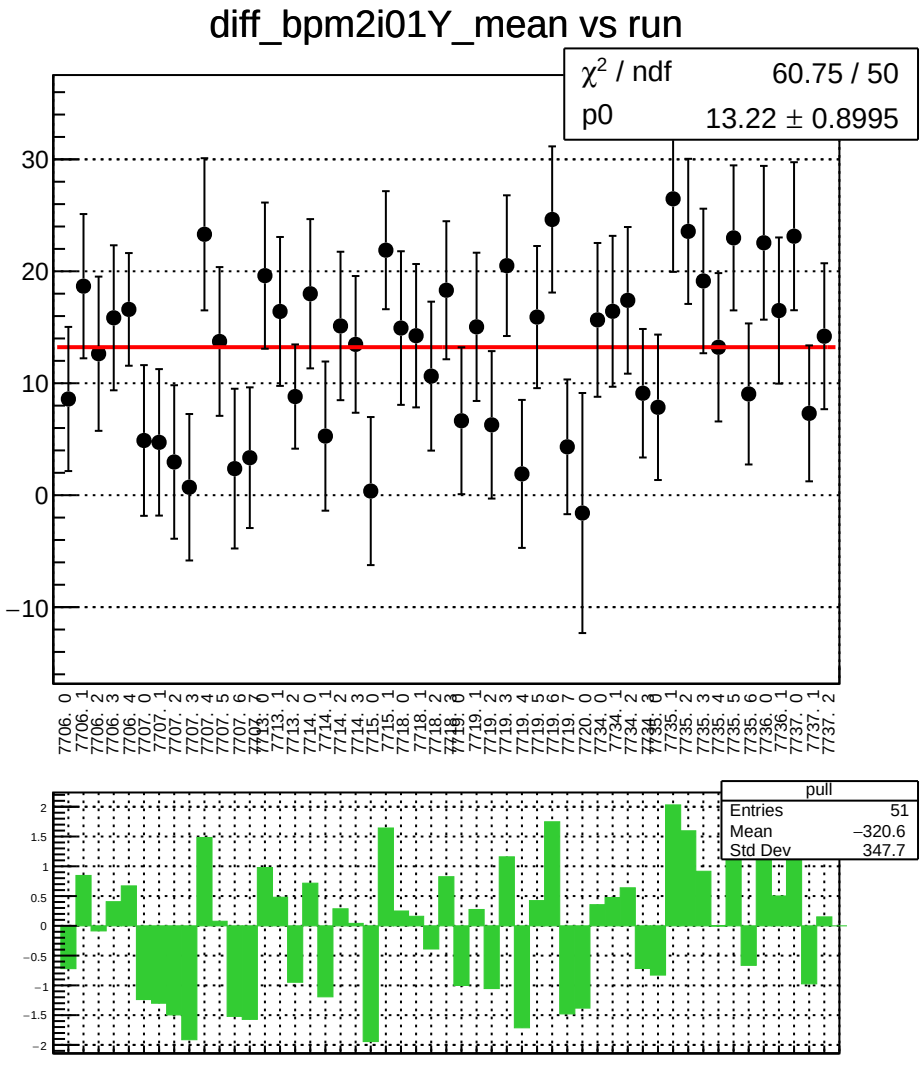

pull1D
Entries 51
Mean −0.0381
Std Dev 1.144
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

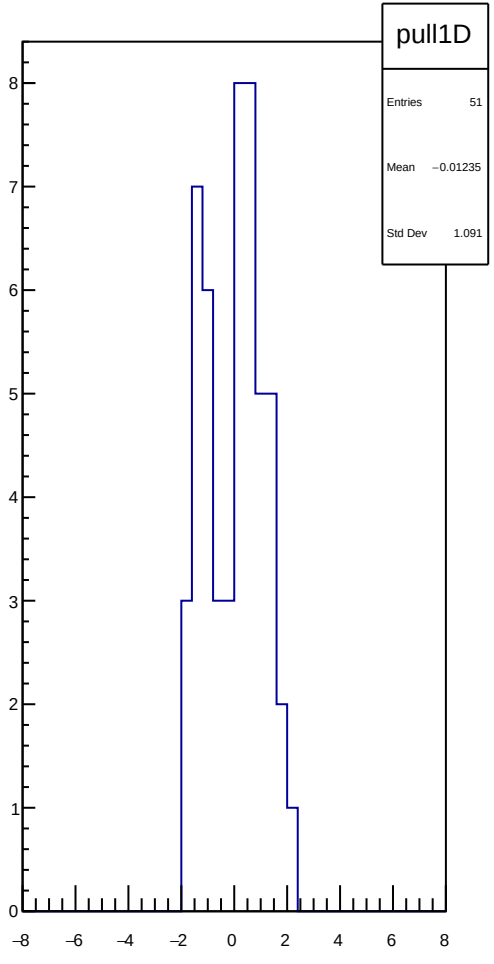

diff_bpm0r05Y_rms vs run
χ² / ndf 8143 / 50
p0 3278 ± 3.35
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

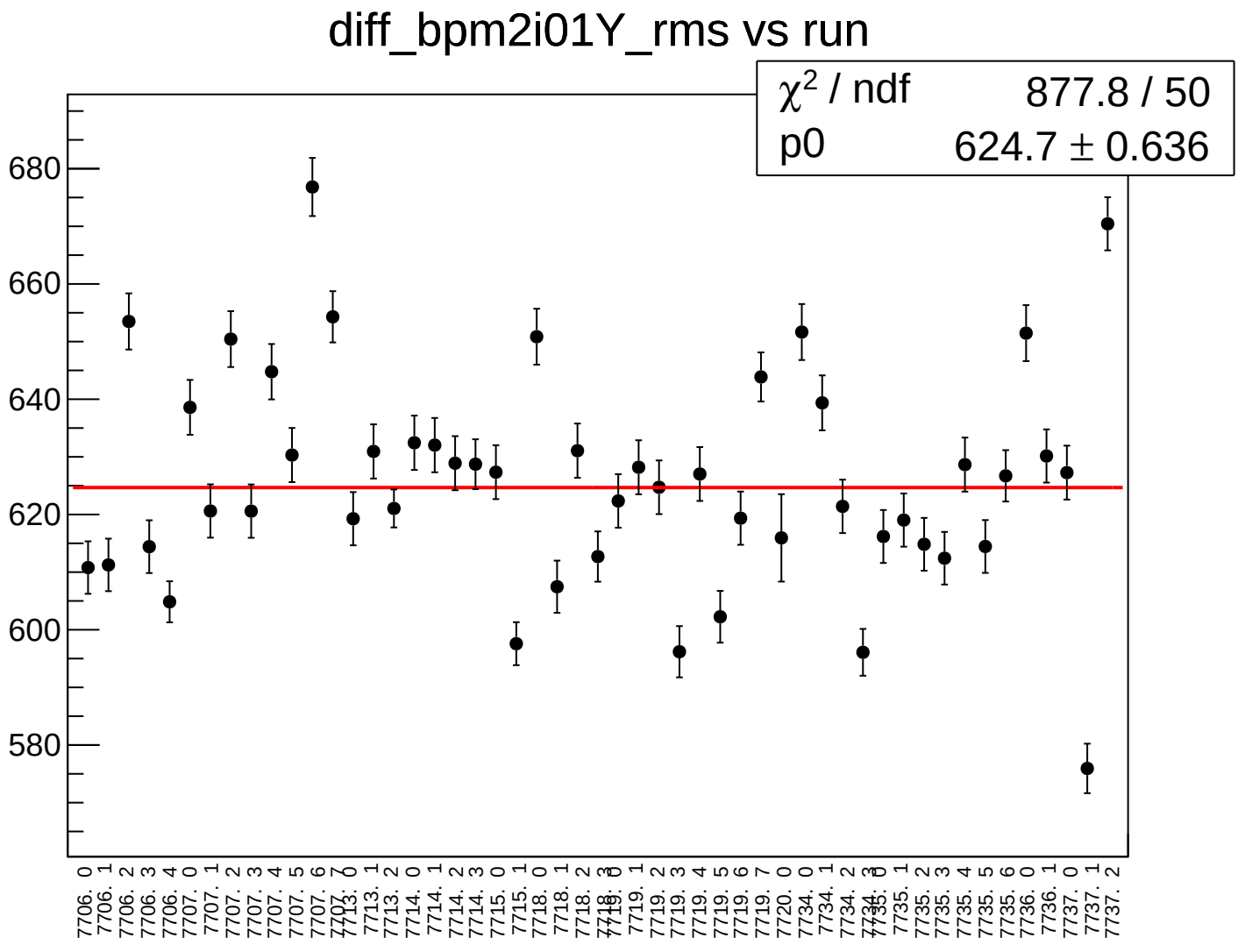

diff_bpm2i01X_mean vs run
χ² / ndf 61.3 / 50
p0 5.494 ± 0.7351
pull
Entries 51
Mean −176.7
Std Dev 200.5

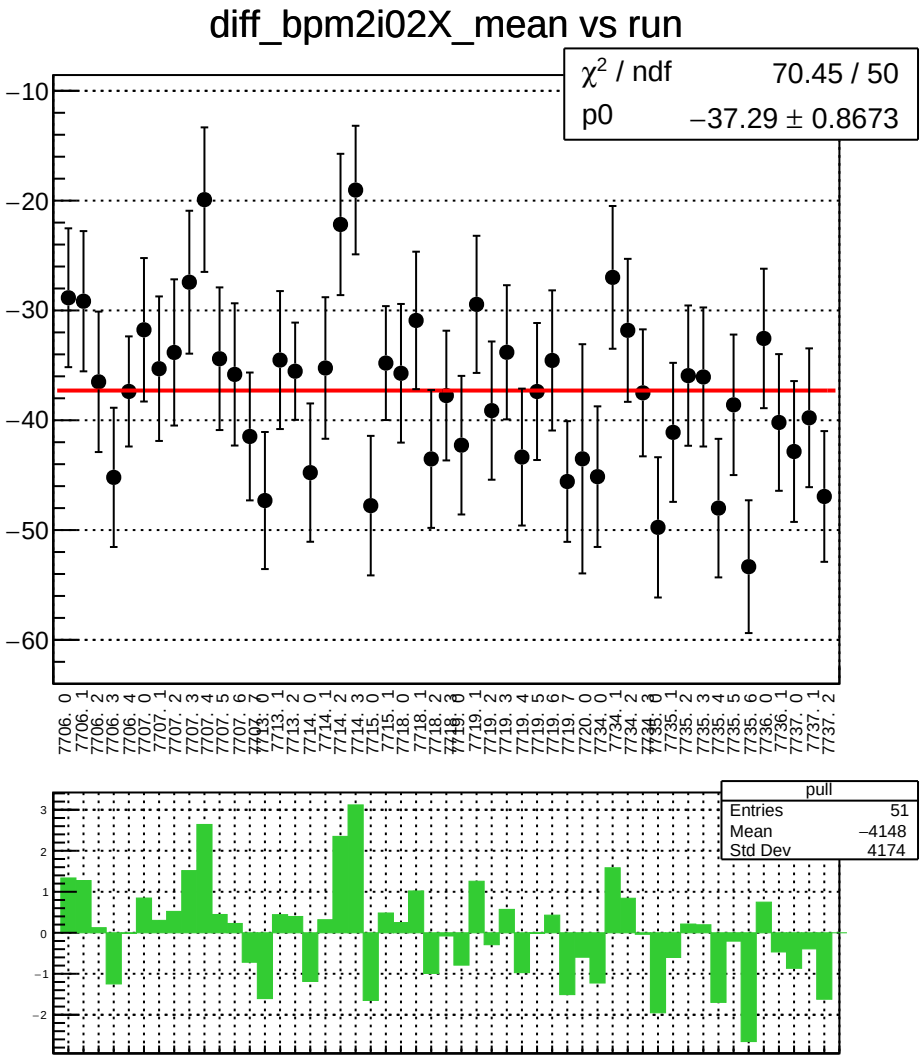

pull1D
Entries 51
Mean 0.01145
Std Dev 1.096

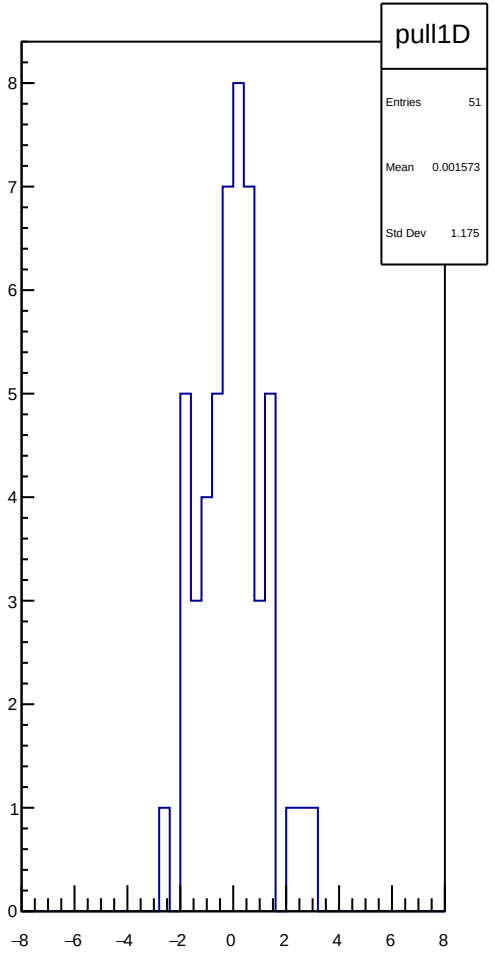

diff_bpm2i01X_rms vs run
χ² / ndf 216.5 / 50
p0 510.7 ± 0.5198
540
530
520
510
500
490
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

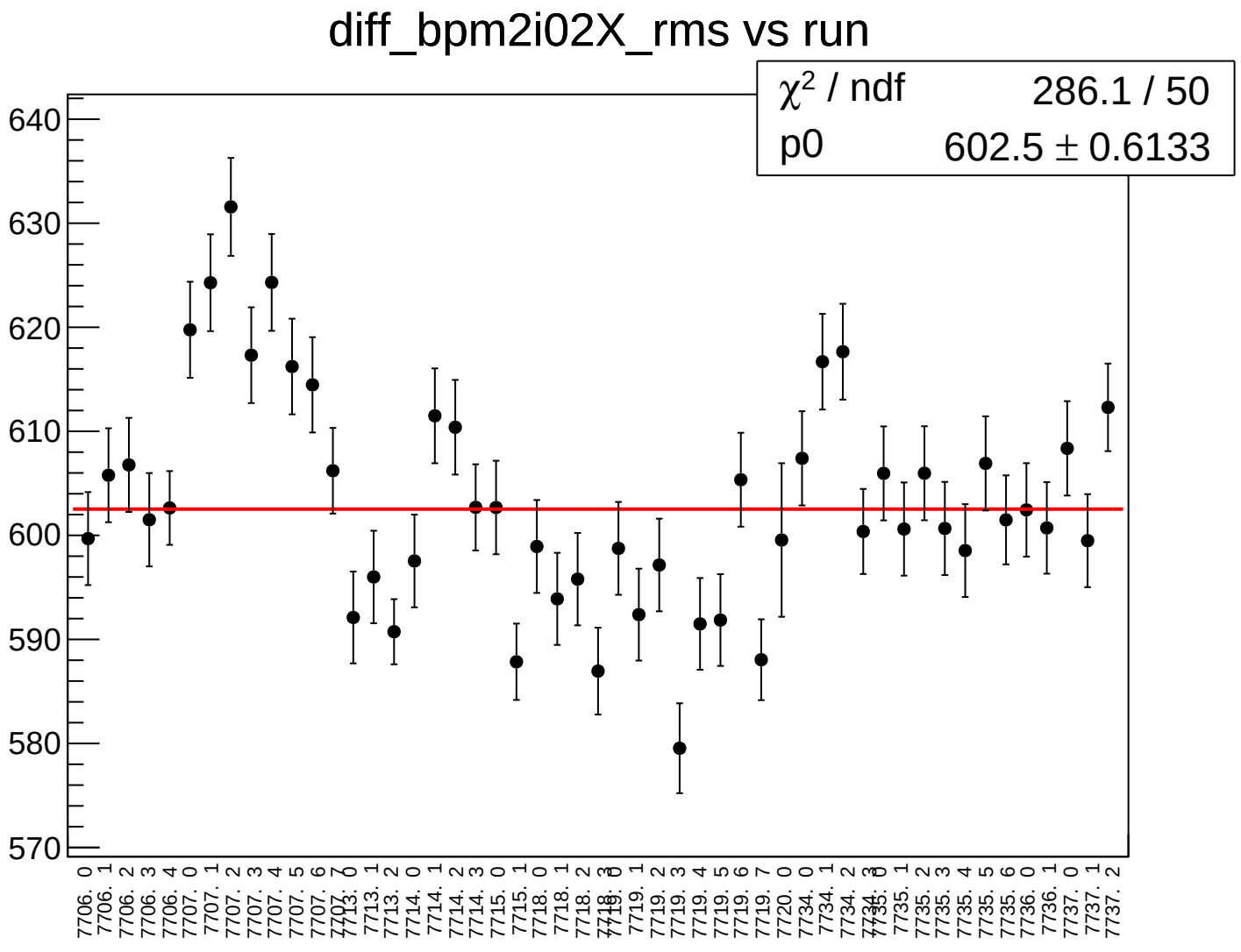

diff_bpm2i01Y_mean vs run
χ² / ndf 60.75 / 50
p0 13.22 ± 0.8995
pull
Entries 51
Mean −320.6
Std Dev 347.7

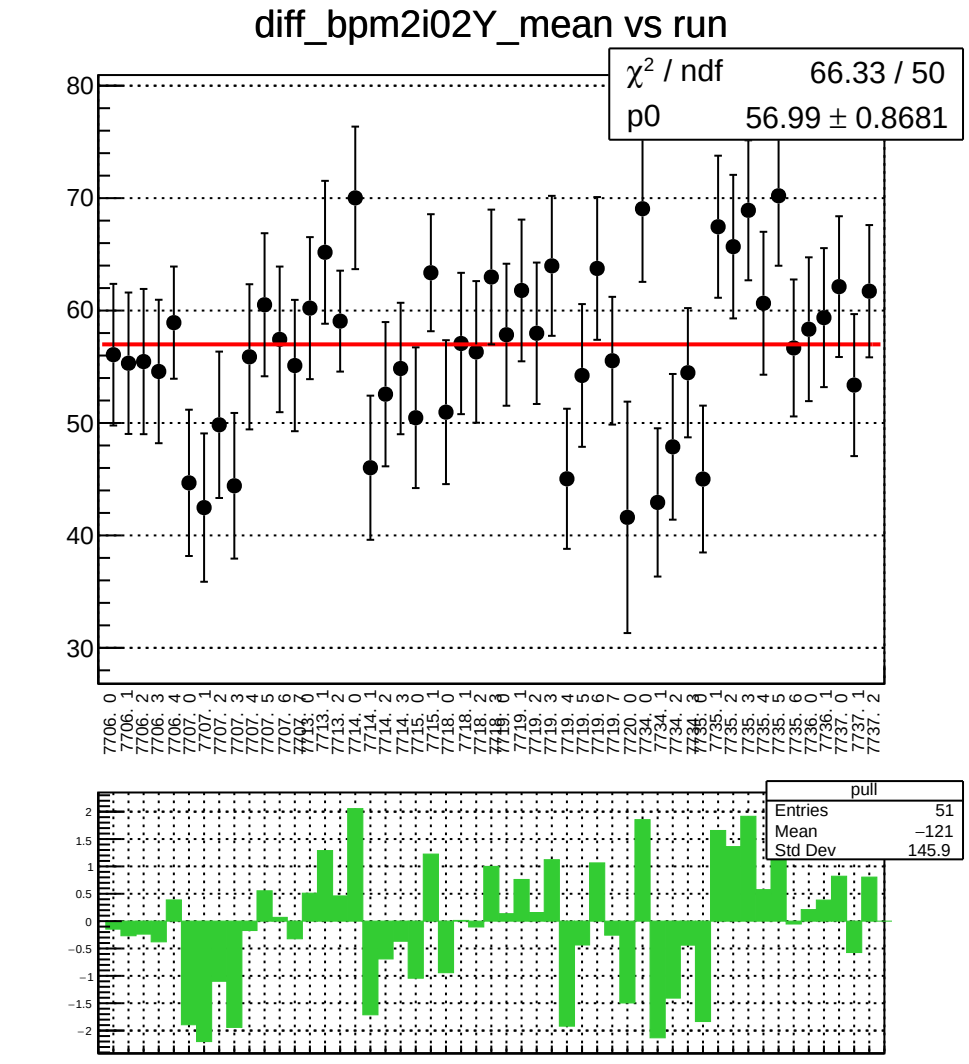

pull1D
Entries 51
Mean −0.01235
Std Dev 1.091

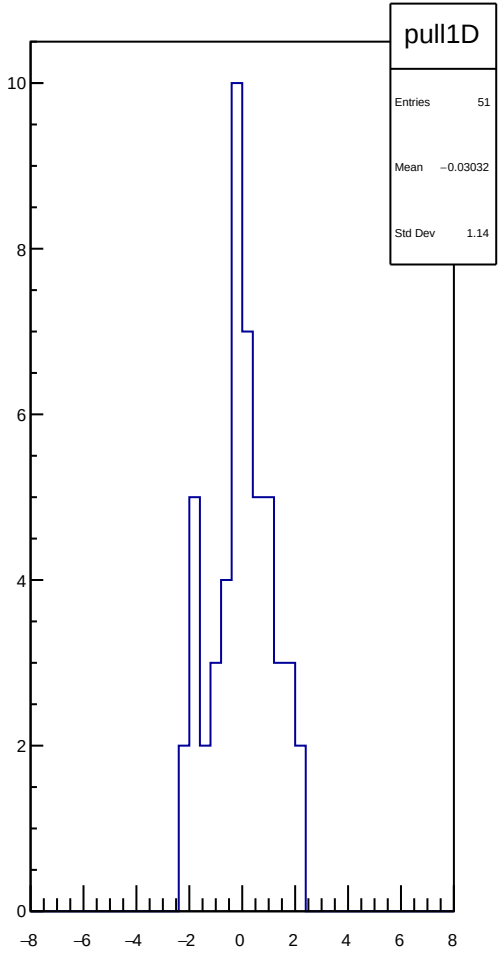

diff_bpm2i01Y_rms vs run
χ² / ndf 877.8 / 50
p0 624.7 ± 0.636
680
660
640
620
600
580
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

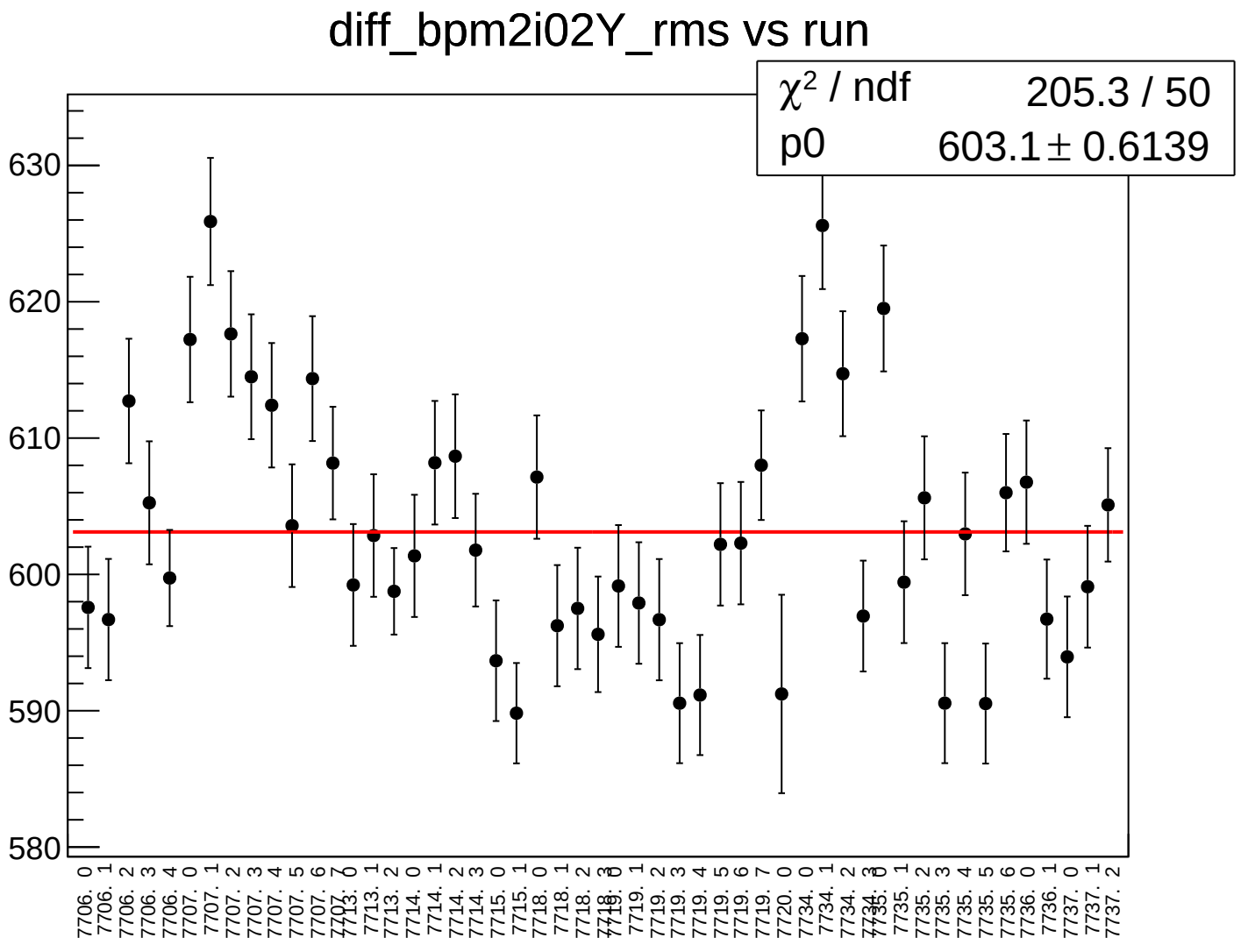

diff_bpm2i02X_mean vs run
χ² / ndf 70.45 / 50
p0 −37.29 ± 0.8673
pull
Entries 51
Mean −4148
Std Dev 4174

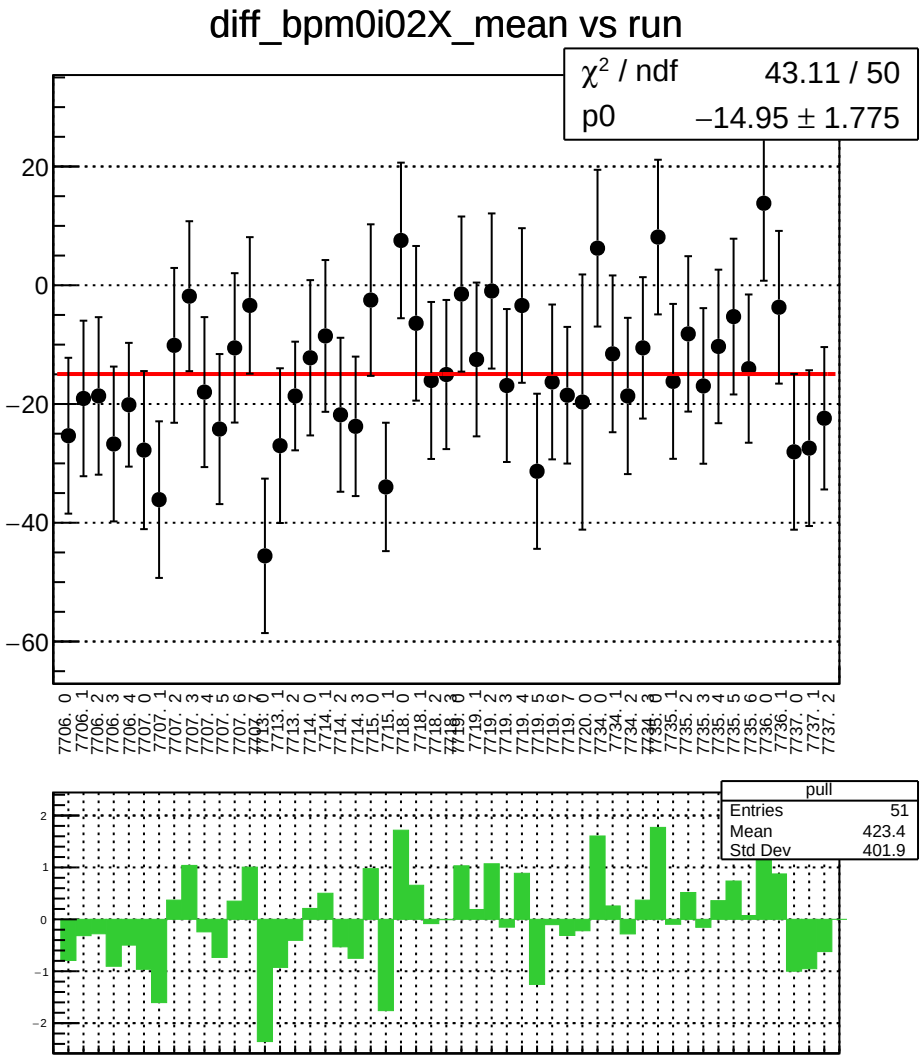

pull1D
Entries 51
Mean 0.001573
Std Dev 1.175

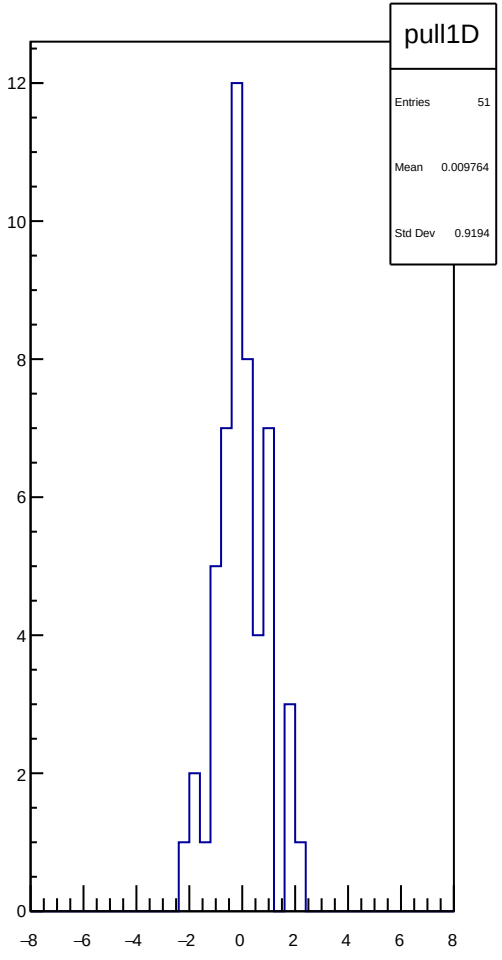

diff_bpm2i02X_rms vs run
χ² / ndf 286.1 / 50
p0 602.5 ± 0.6133
640
630
620
610
600
590
580
570
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

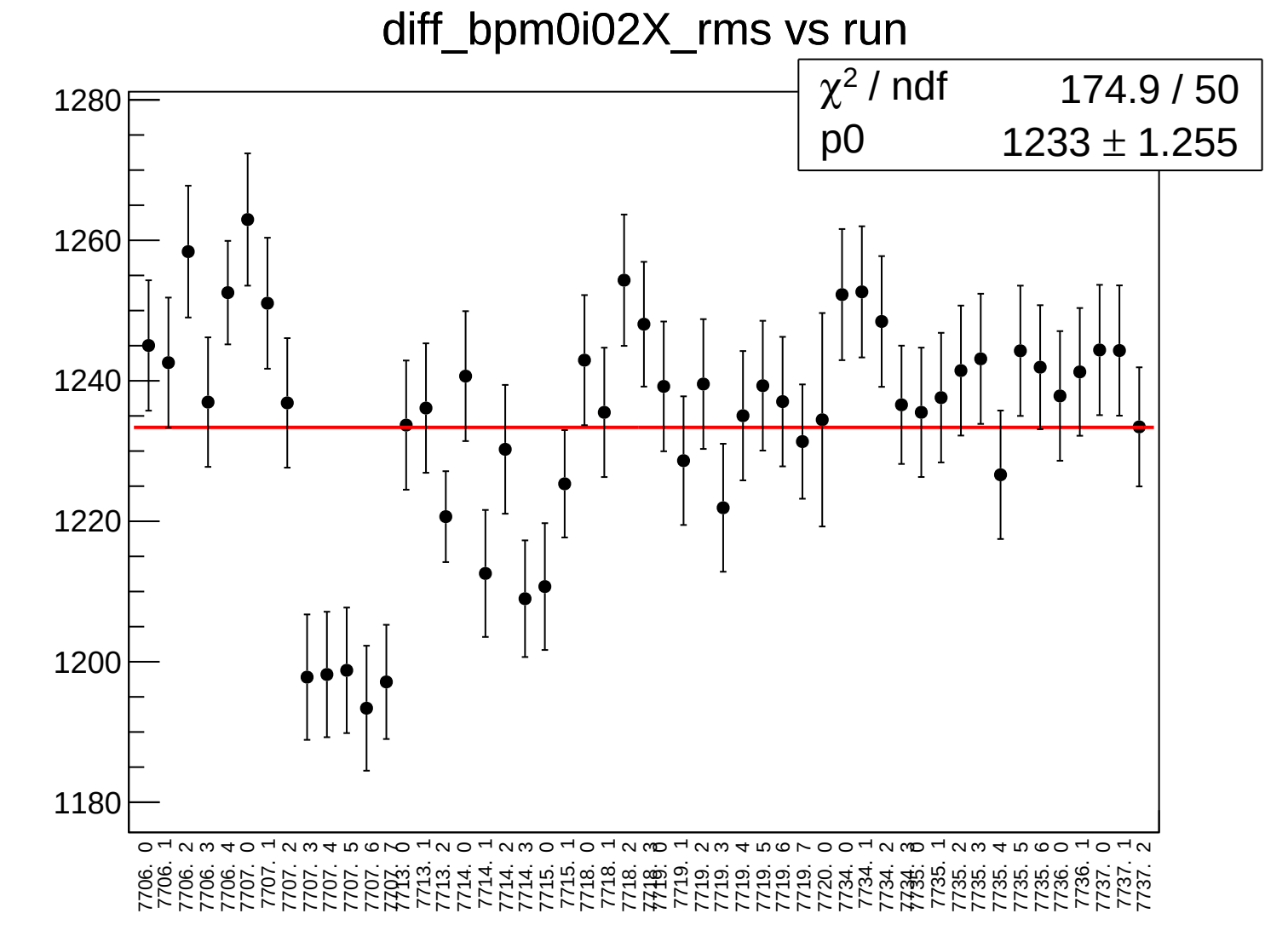

diff_bpm2i02Y_mean vs run
χ² / ndf 66.33 / 50
p0 56.99 ± 0.8681
pull
Entries 51
Mean −121
Std Dev 145.9

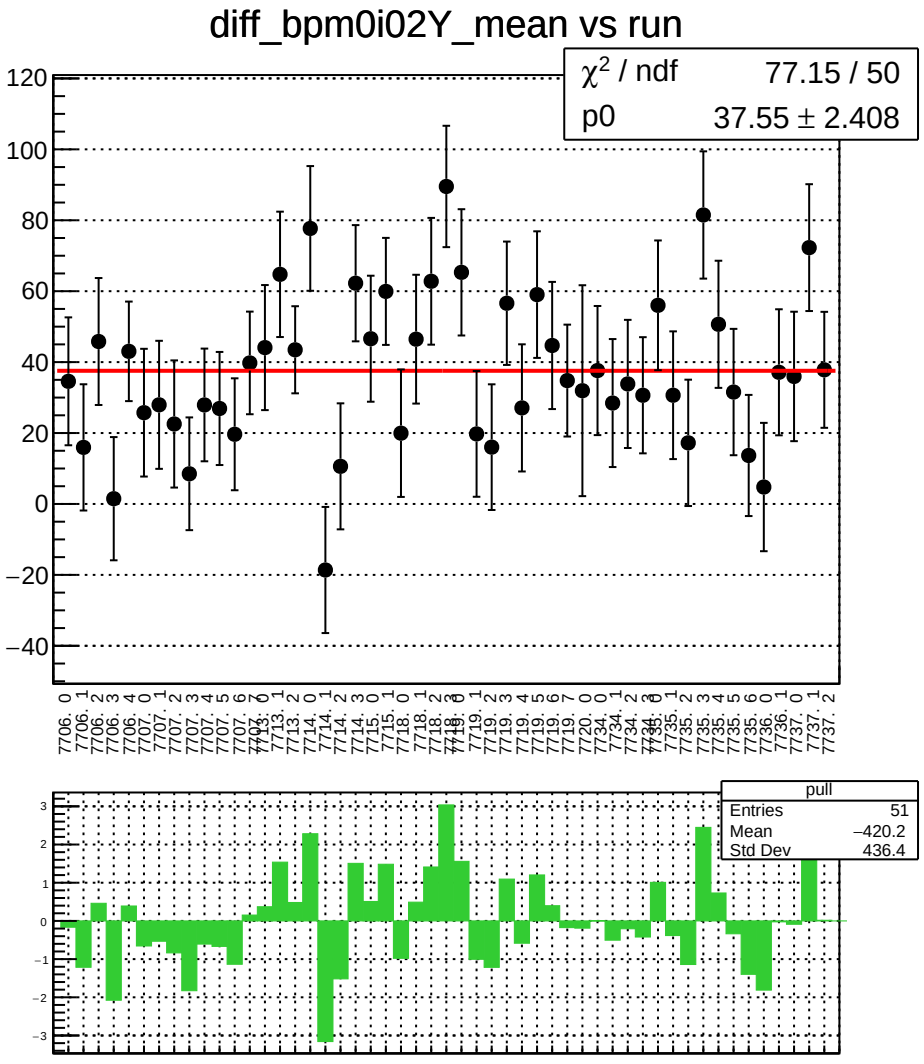

pull1D
Entries 51
Mean −0.03032
Std Dev 1.14

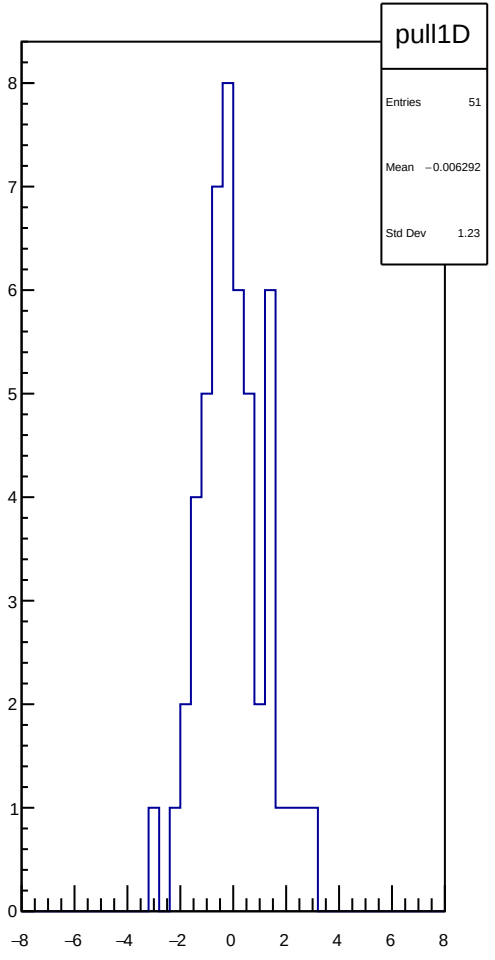

diff_bpm2i02Y_rms vs run
χ² / ndf 205.3 / 50
p0 603.1 ± 0.6139
630
620
610
600
590
580
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

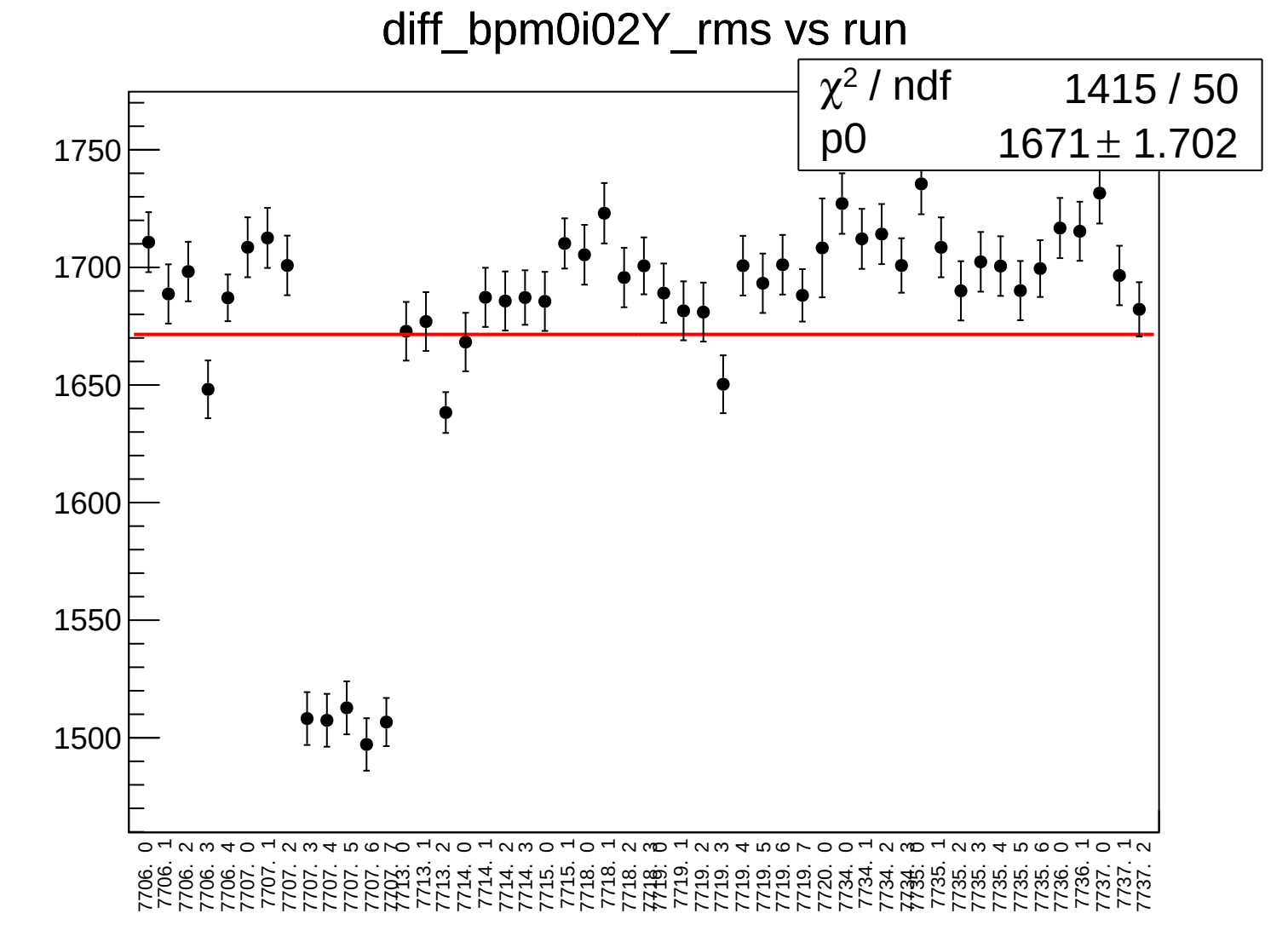

diff_bpm0i02X_mean vs run
χ² / ndf 43.11 / 50
p0 −14.95 ± 1.775
pull
Entries 51
Mean 423.4
Std Dev 401.9

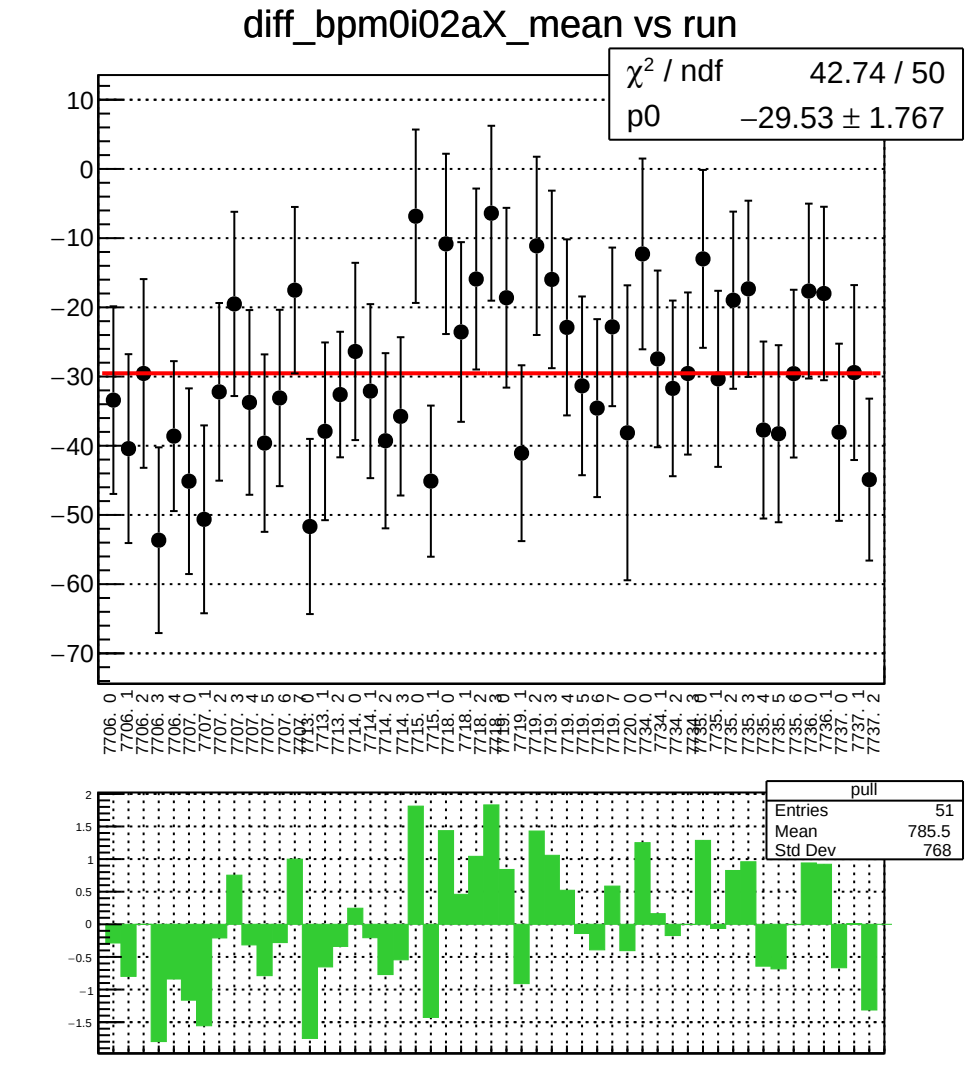

pull1D
Entries 51
Mean 0.009764
Std Dev 0.9194

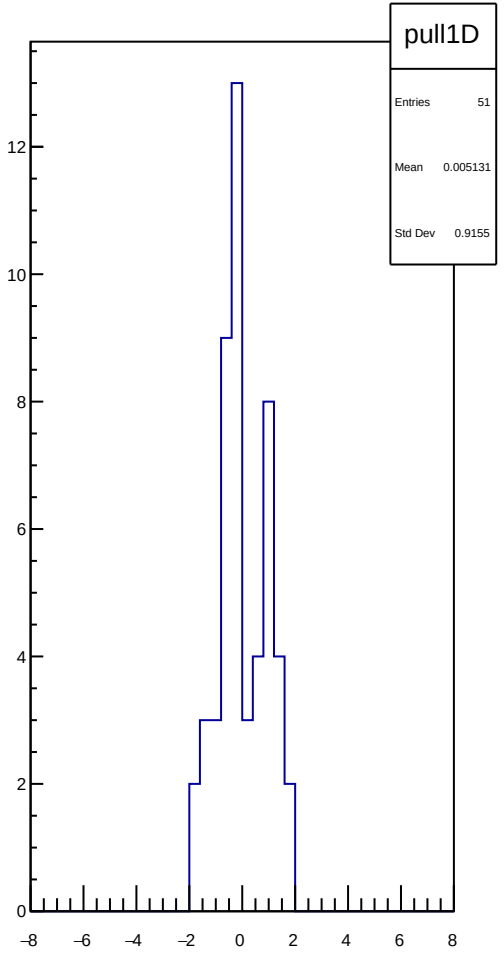

diff_bpm0i02X_rms vs run
χ² / ndf 174.9 / 50
p0 1233 ± 1.255
1280
1260
1240
1220
1200
1180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

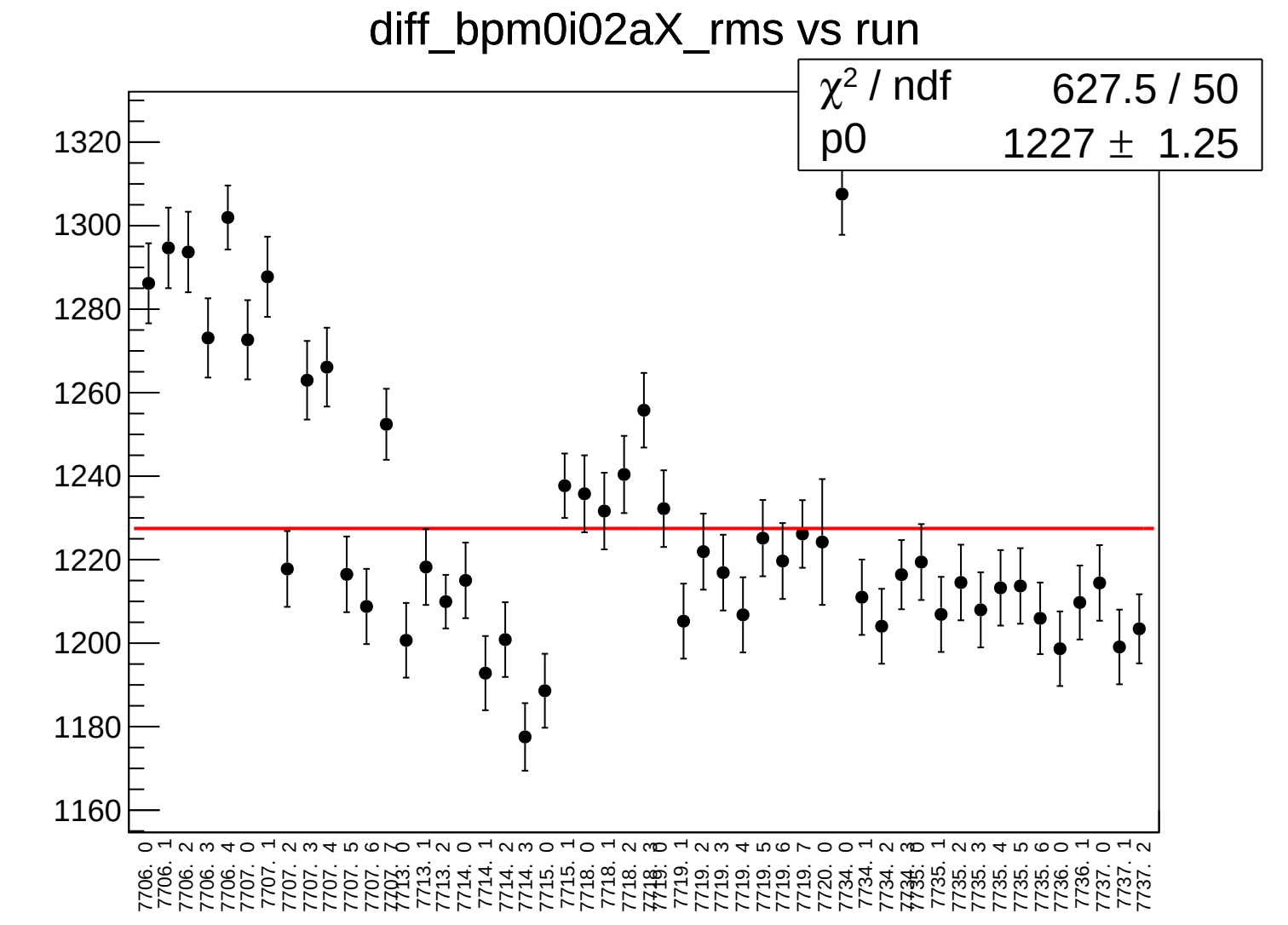

diff_bpm0i02Y_mean vs run
χ² / ndf 77.15 / 50
p0 37.55 ± 2.408
pull
Entries 51
Mean −420.2
Std Dev 436.4

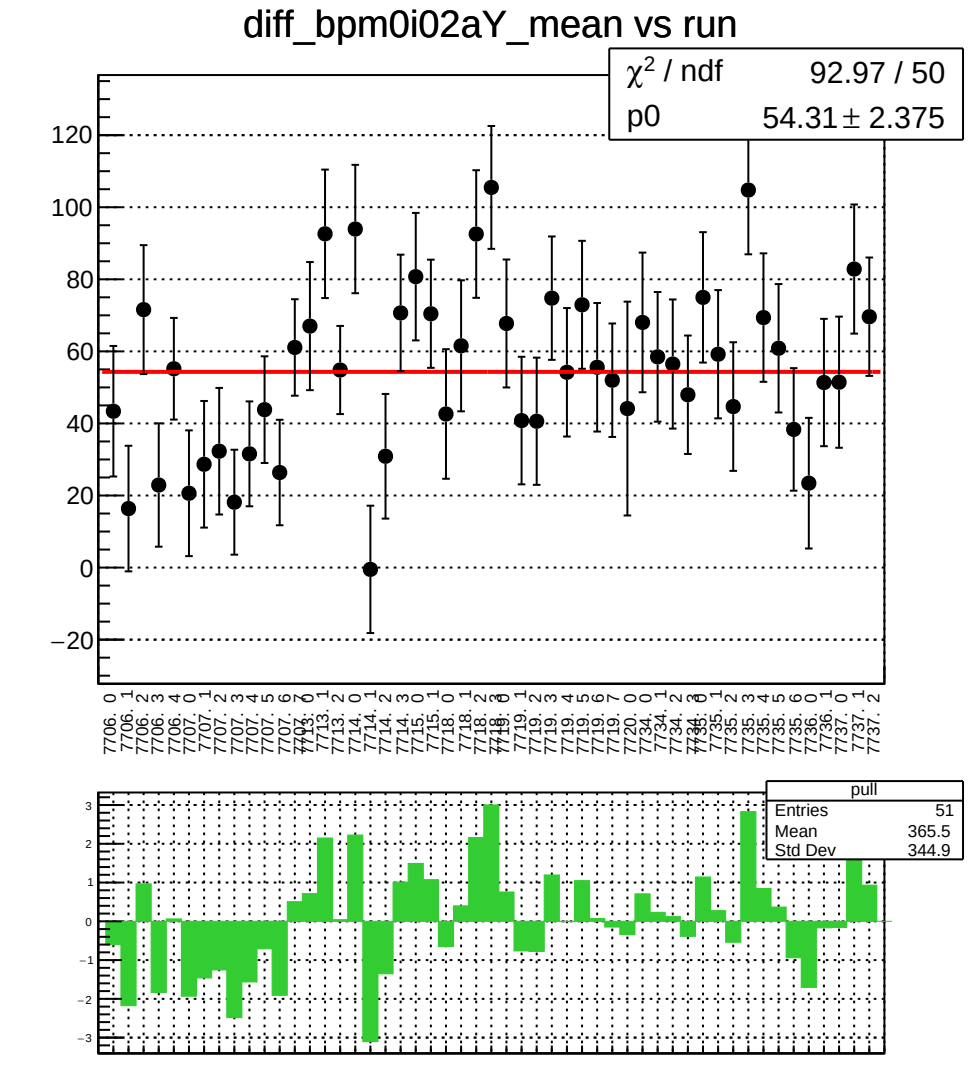

pull1D
Entries 51
Mean −0.006292
Std Dev 1.23

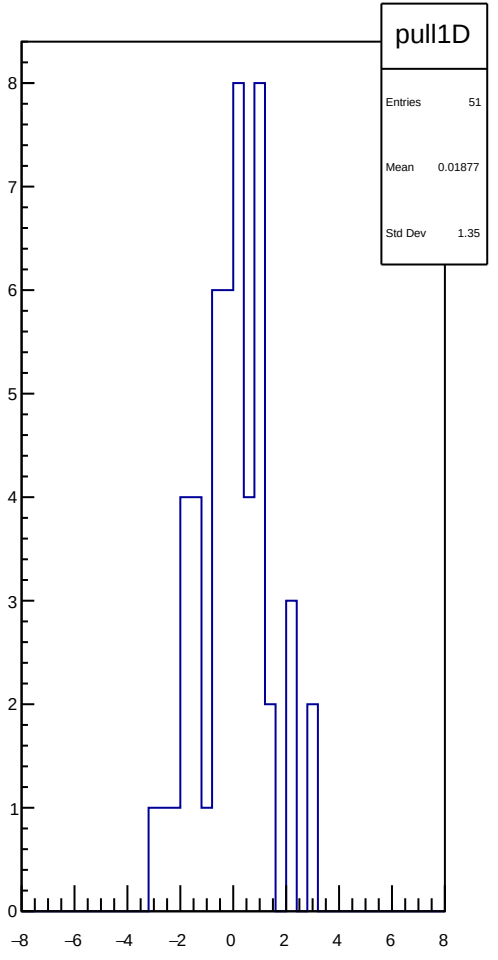

diff_bpm0i02Y_rms vs run
χ² / ndf 1415 / 50
p0 1671 ± 1.702
1750
1700
1650
1600
1550
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

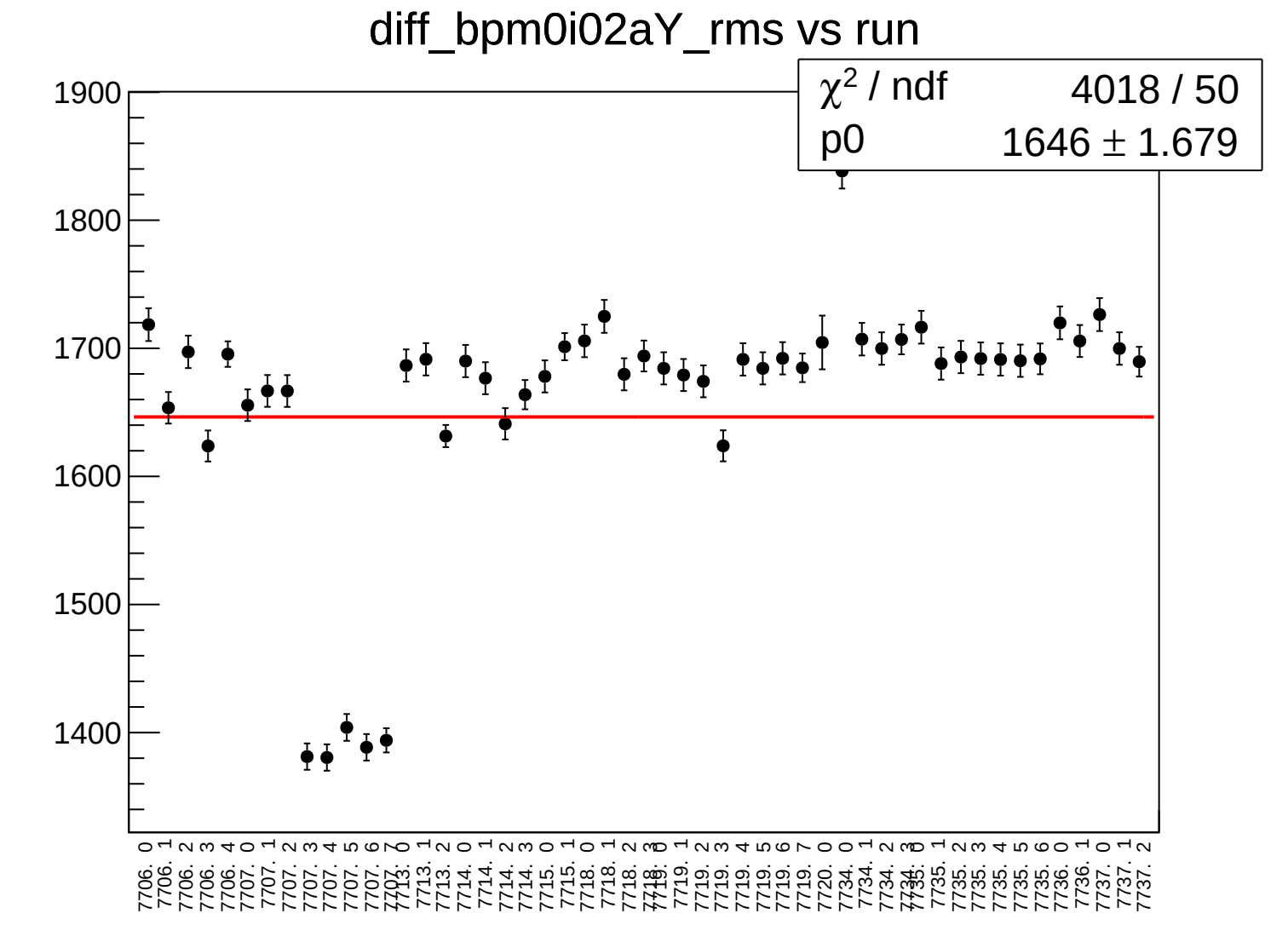

diff_bpm0i02aX_mean vs run
χ² / ndf 42.74 / 50
p0 −29.53 ± 1.767
pull
Entries 51
Mean 785.5
Std Dev 768

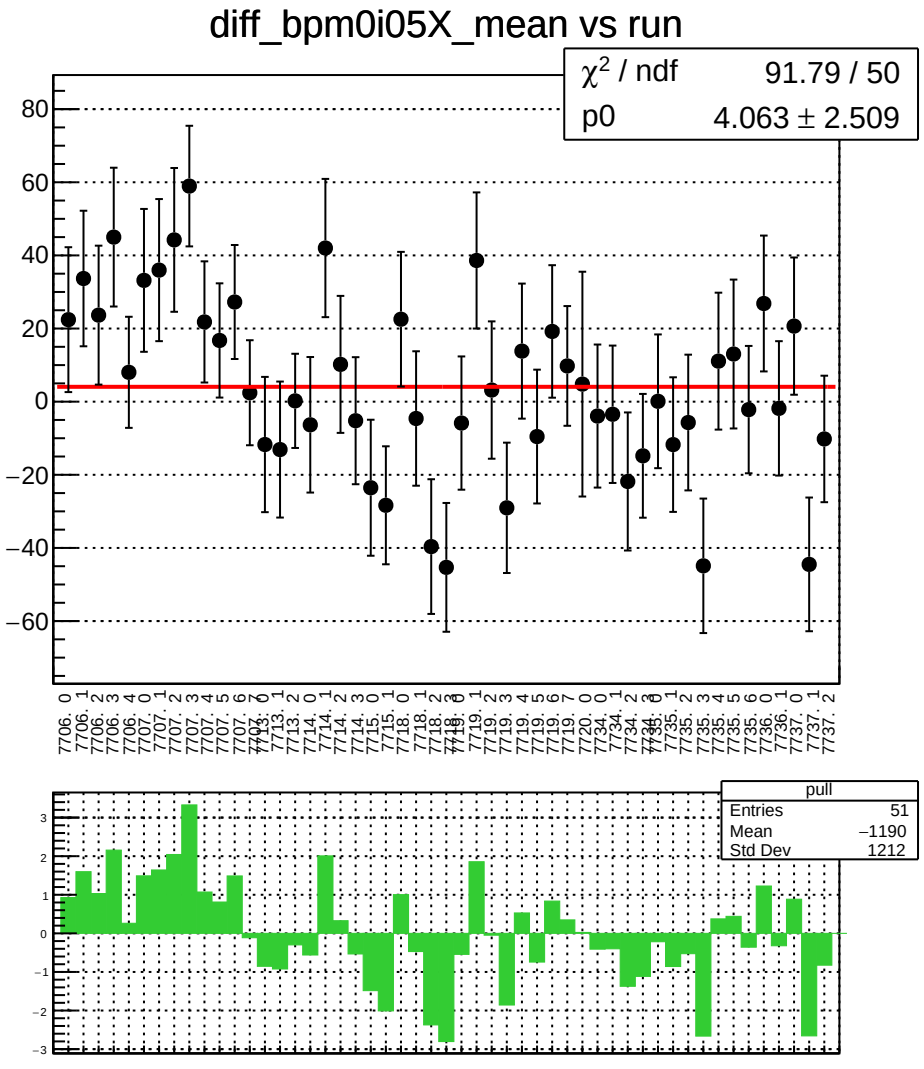

pull1D
Entries 51
Mean 0.005131
Std Dev 0.9155

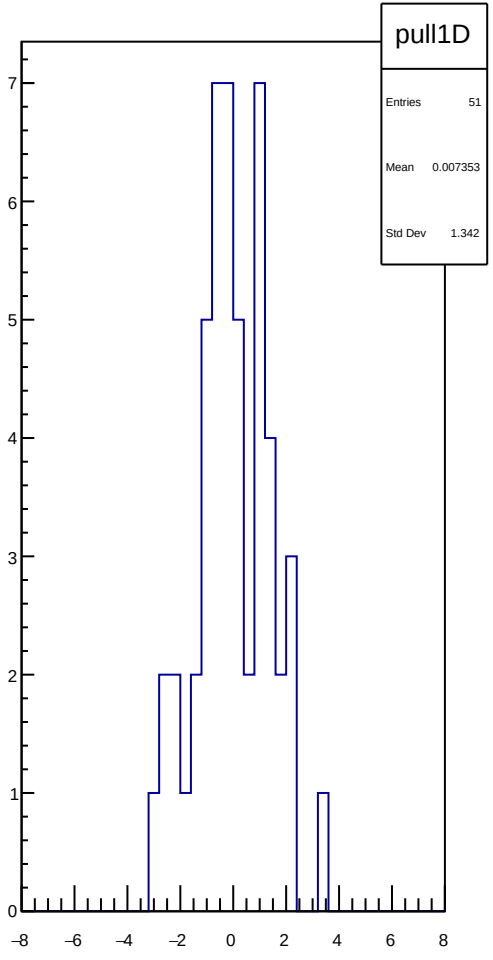

diff_bpm0i02aX_rms vs run
χ² / ndf 627.5 / 50
p0 1227 ± 1.25
1320
1300
1280
1260
1240
1220
1200
1180
1160
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

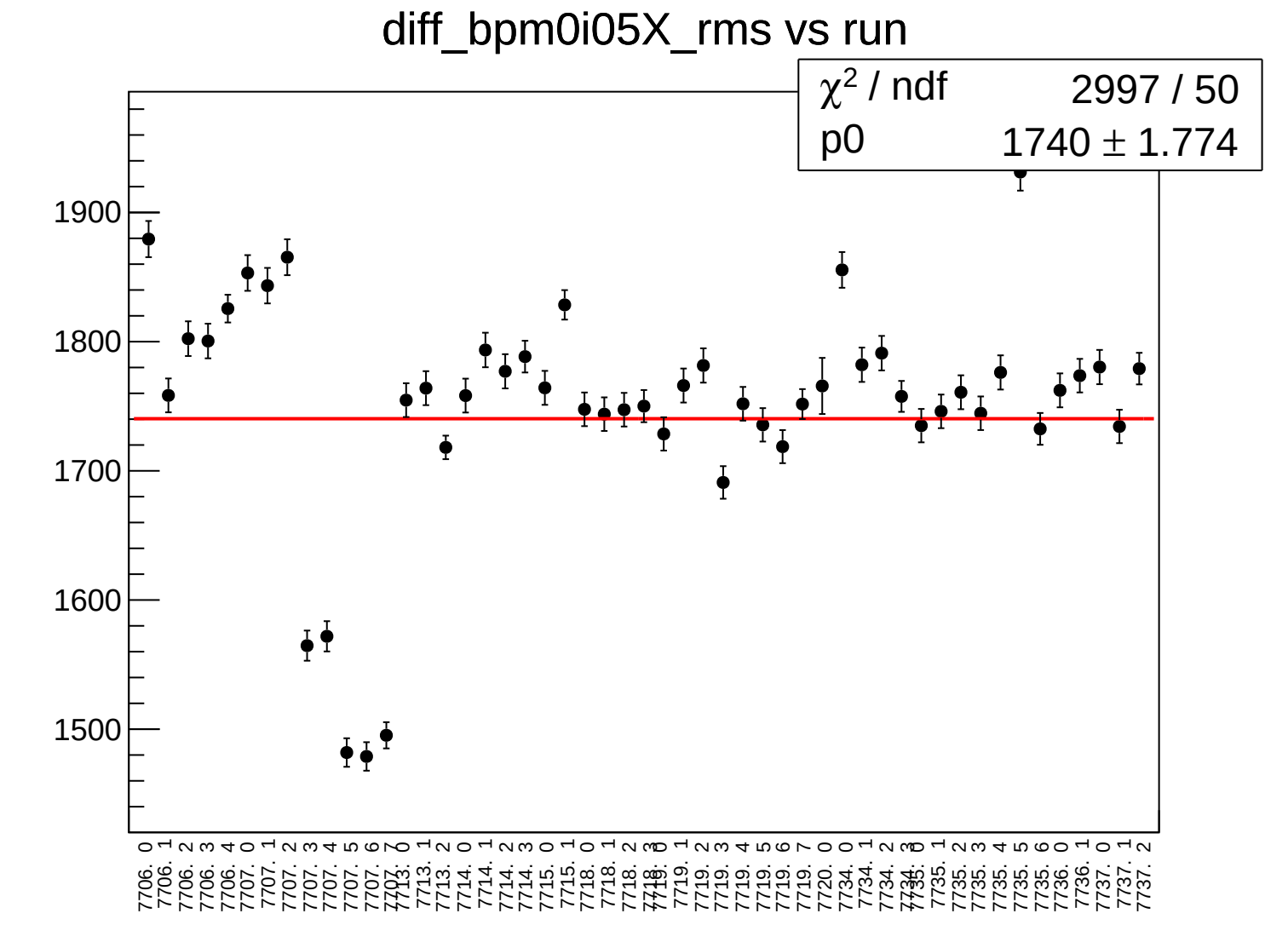

diff_bpm0i02aY_mean vs run
χ² / ndf 92.97 / 50
p0 54.31 ± 2.375
pull
Entries 51
Mean 365.5
Std Dev 344.9

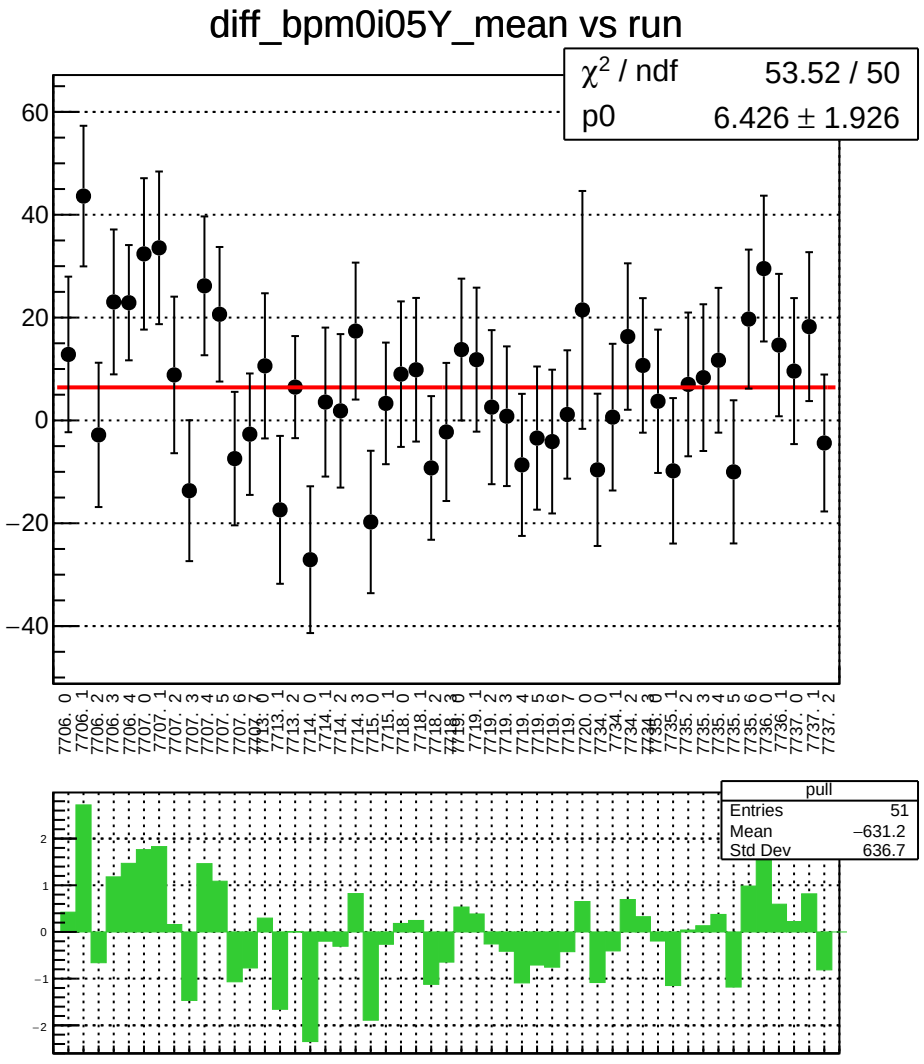

pull1D
Entries 51
Mean 0.01877
Std Dev 1.35

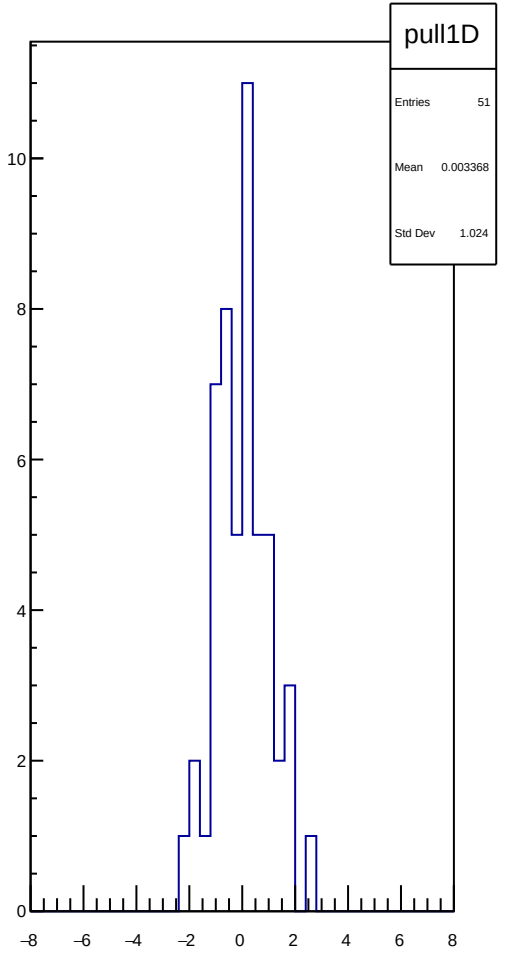

diff_bpm0i02aY_rms vs run
χ² / ndf 4018 / 50
p0 1646 ± 1.679
1900
1800
1700
1600
1500
1400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

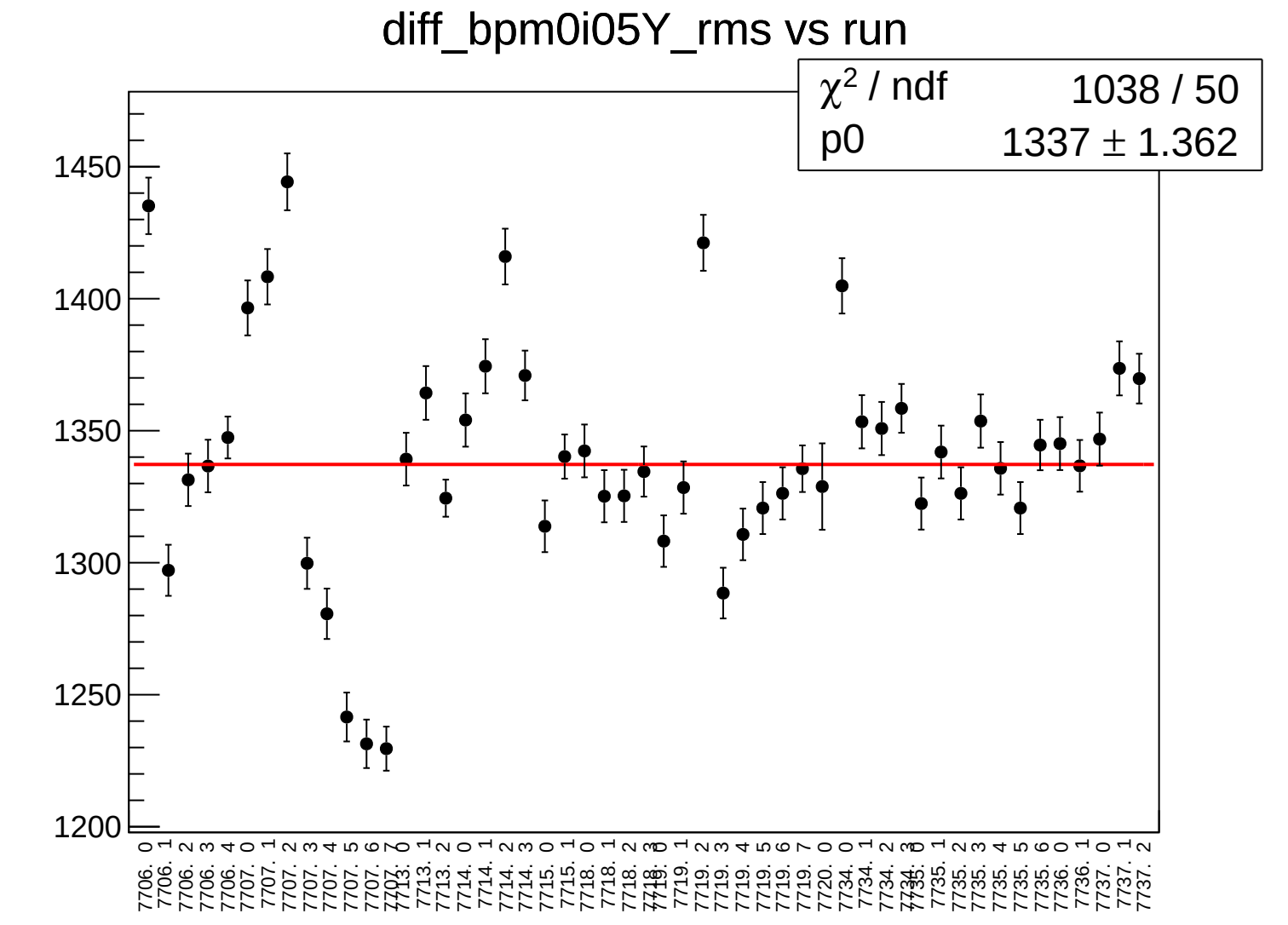

diff_bpm0i05X_mean vs run
χ^2 / ndf 91.79 / 50
p0 4.063 ± 2.509
pull
Entries 51
Mean −1190
Std Dev 1212


pull1D
Entries 51
Mean 0.007353
Std Dev 1.342


diff_bpm0i05X_rms vs run
χ² / ndf 2997 / 50
p0 1740 ± 1.774
1900
1800
1700
1600
1500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


diff_bpm0i05Y_mean vs run
χ² / ndf 53.52 / 50
p0 6.426 ± 1.926
pull
Entries 51
Mean −631.2
Std Dev 636.7


pull1D
Entries 51
Mean 0.003368
Std Dev 1.024


diff_bpm0i05Y_rms vs run
χ² / ndf 1038 / 50
p0 1337 ± 1.362
1450
1400
1350
1300
1250
1200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
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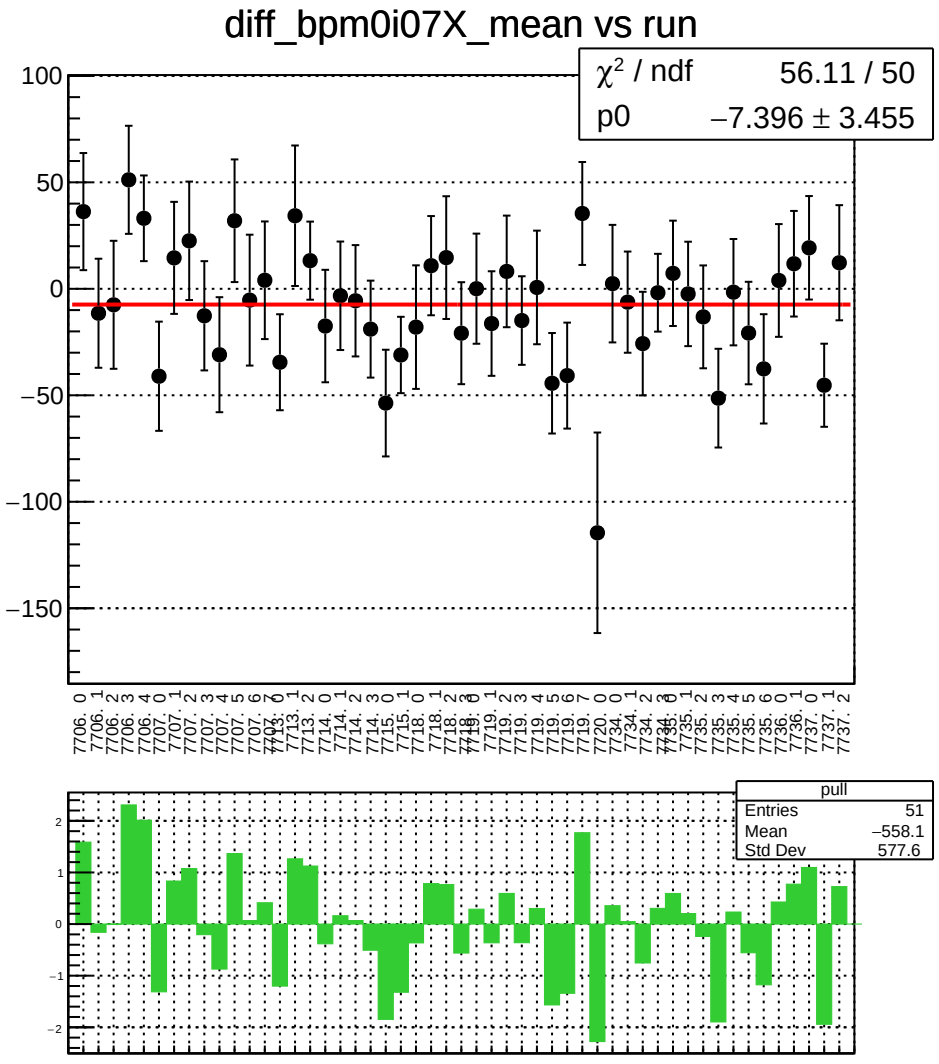
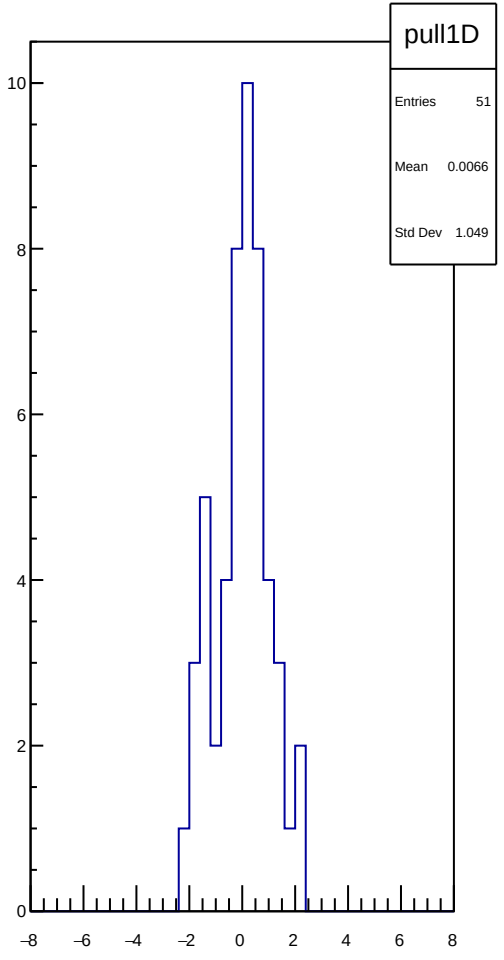
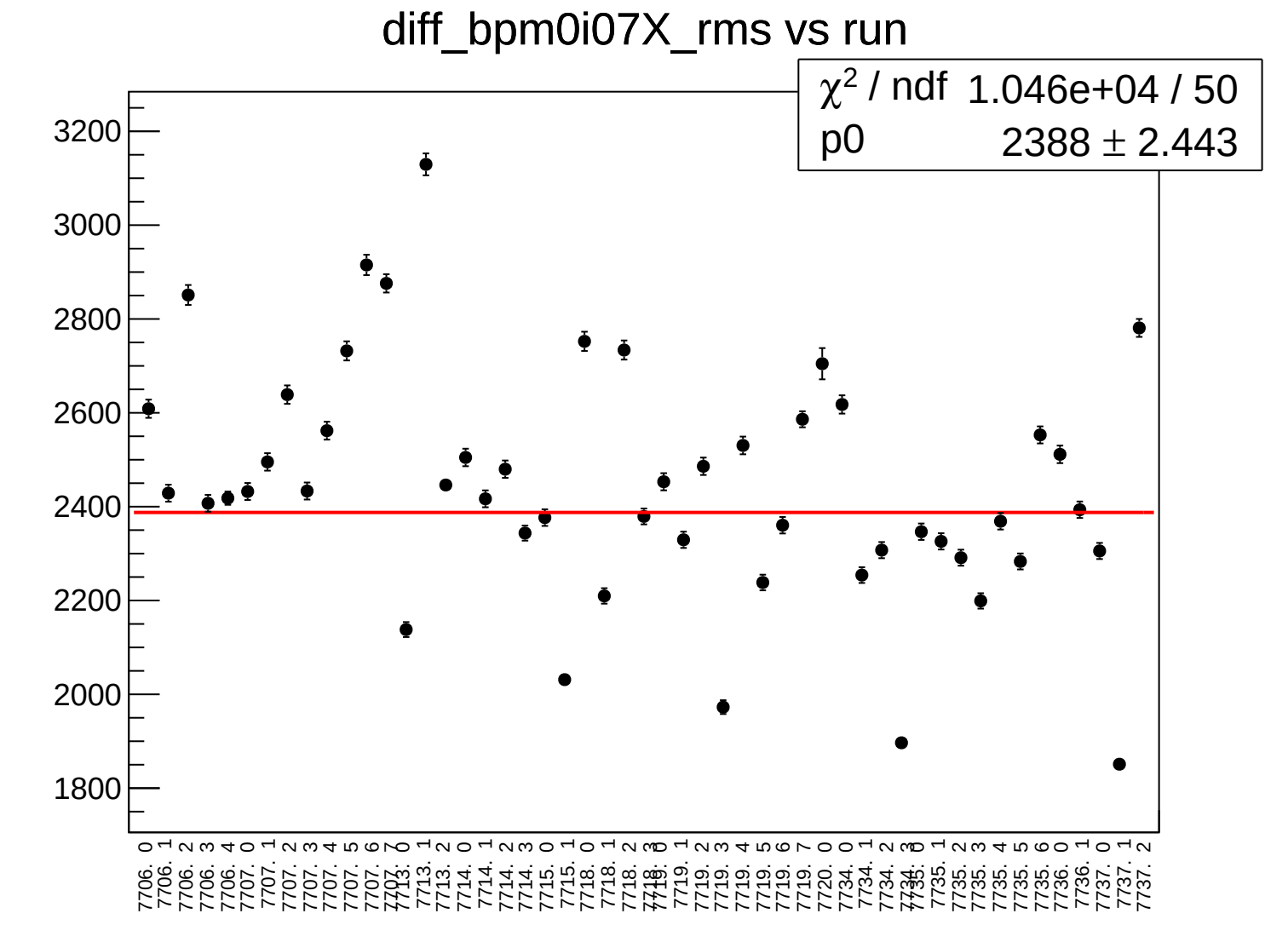
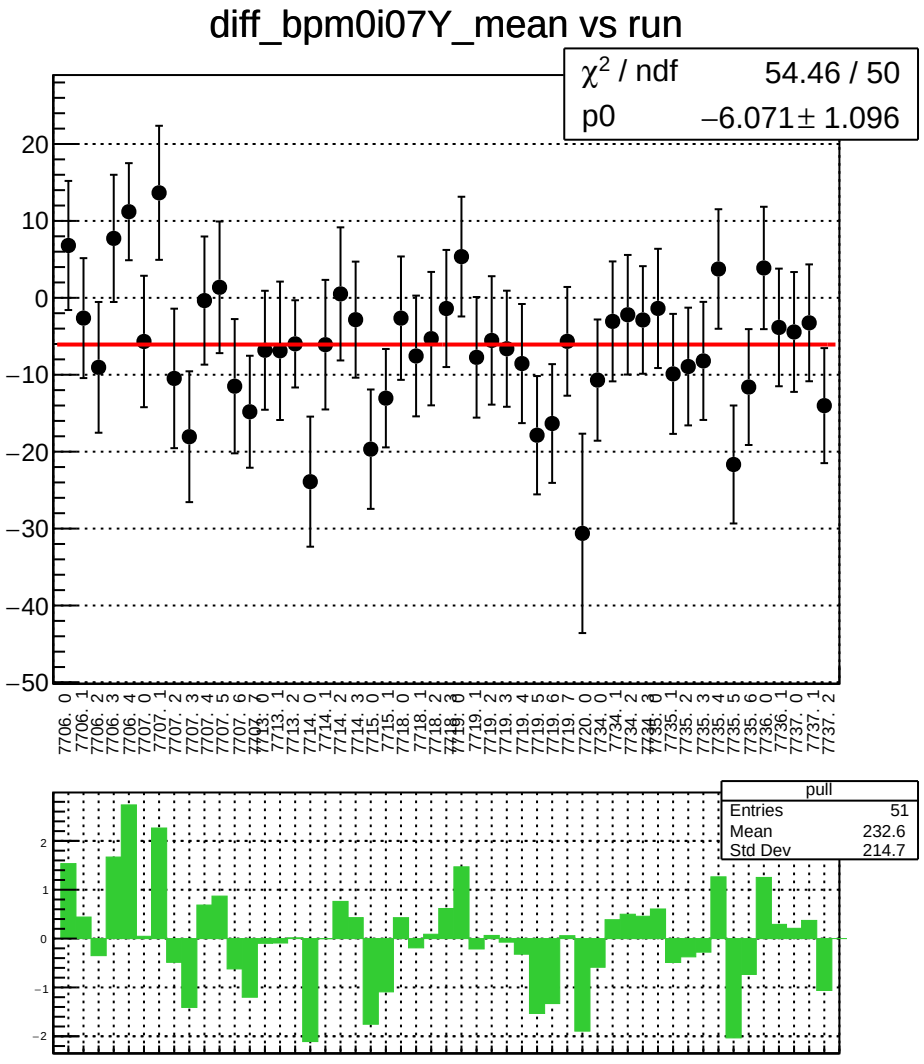
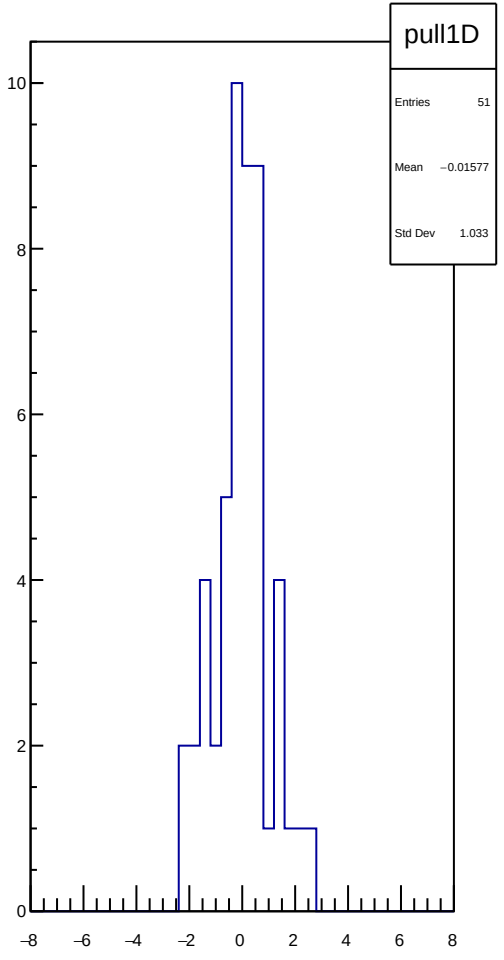
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

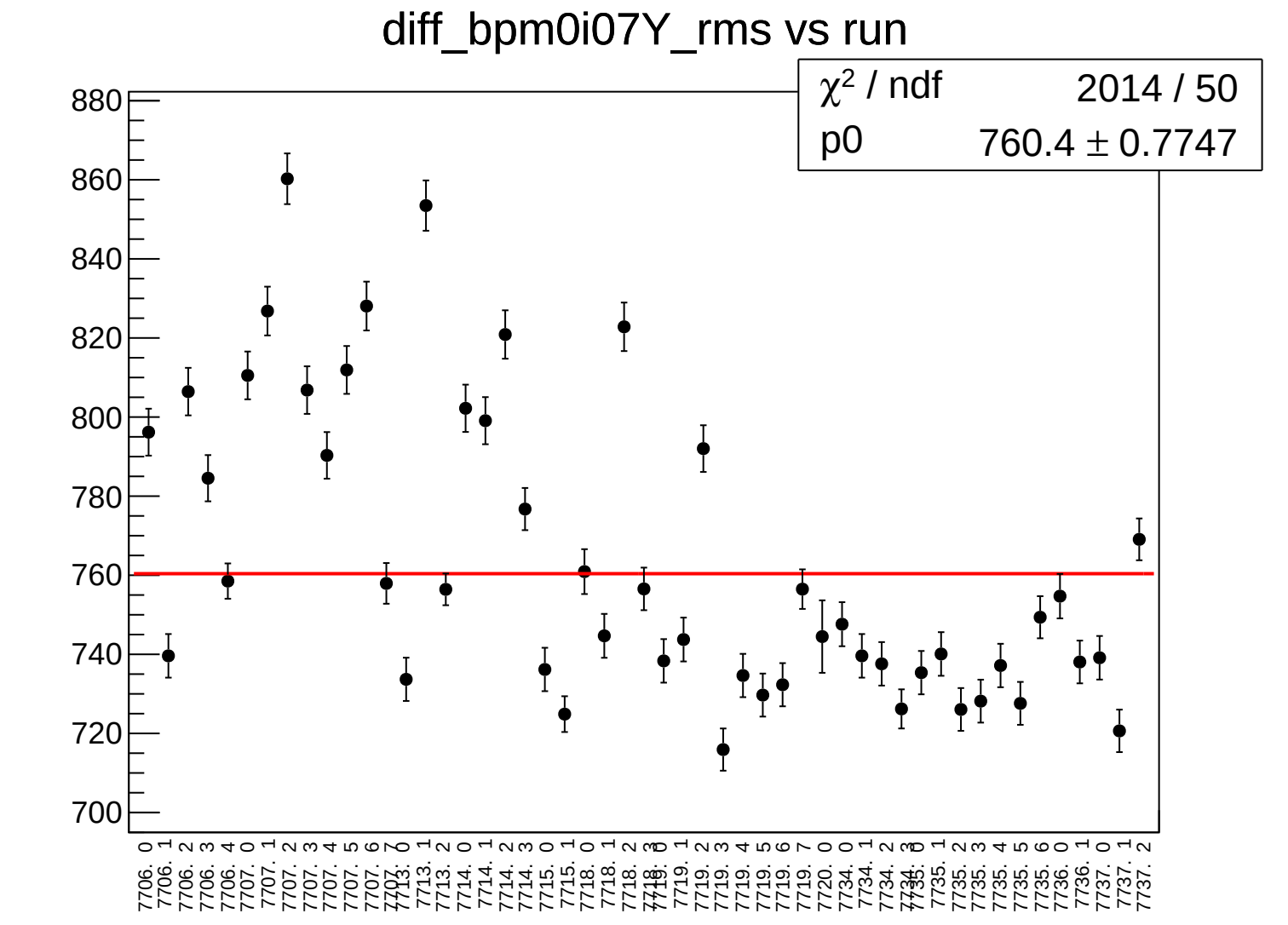

diff_bpm0i07X_mean vs run
χ² / ndf 56.11 / 50
p0 −7.396 ± 3.455
pull
Entries 51
Mean −558.1
Std Dev 577.6

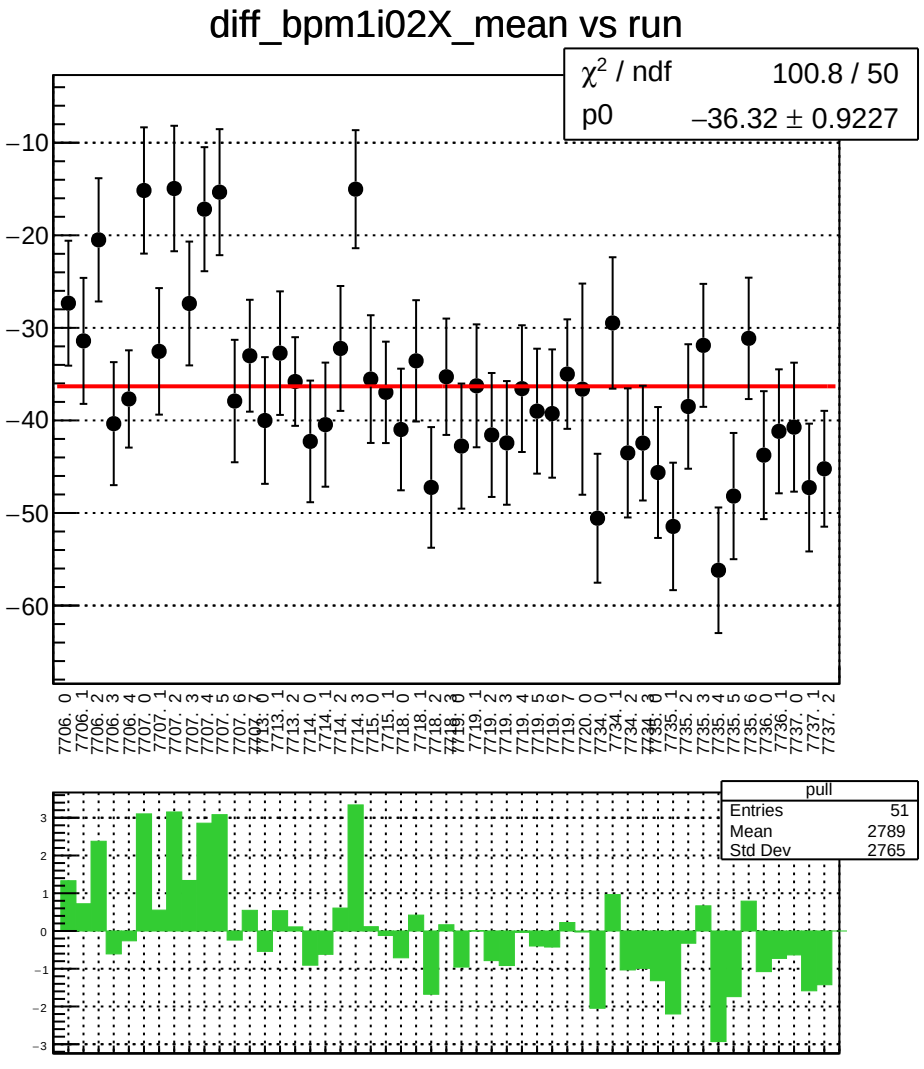

pull1D
Entries 51
Mean 0.0066
Std Dev 1.049

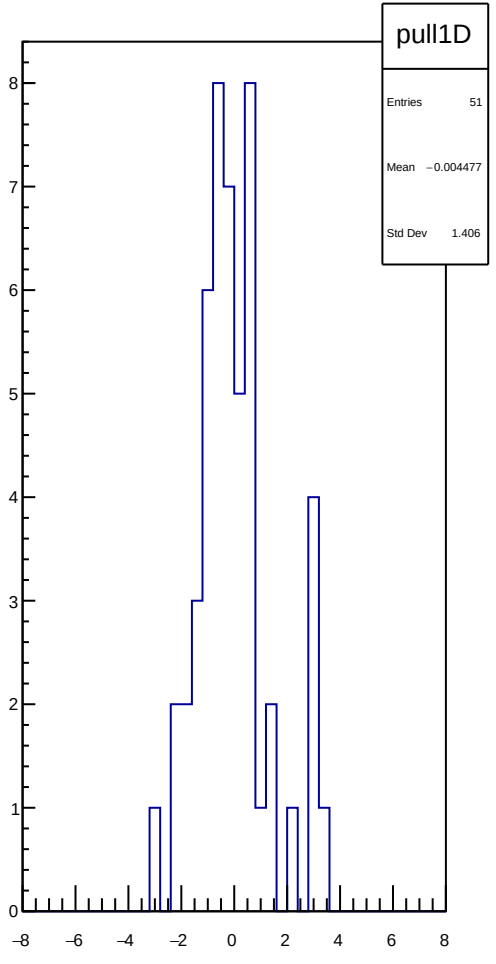

diff_bpm0i07X_rms vs run
χ² / ndf 1.046e+04 / 50
p0 2388 ± 2.443
3200
3000
2800
2600
2400
2200
2000
1800
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

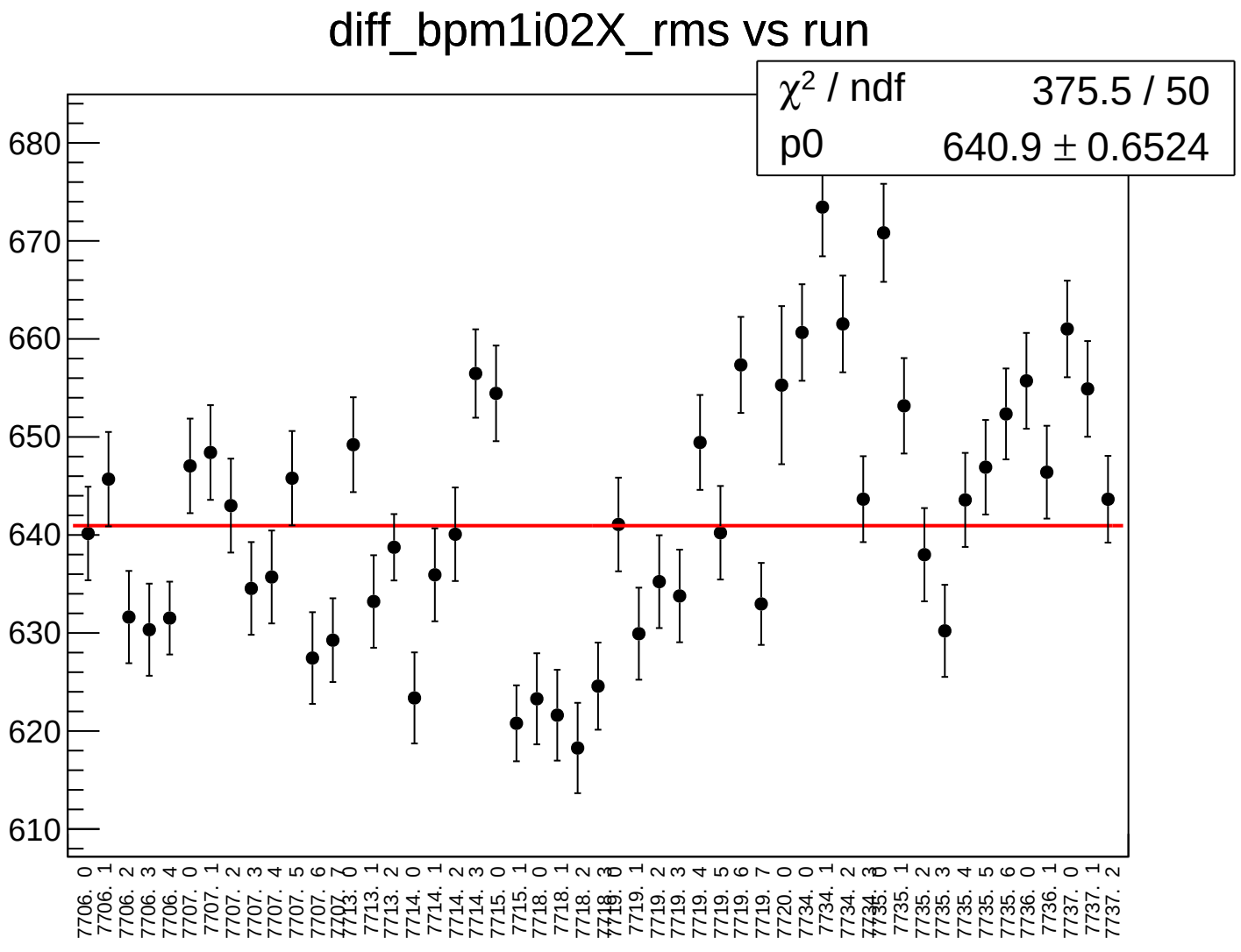

diff_bpm0i07Y_mean vs run
χ² / ndf 54.46 / 50
p0 −6.071 ± 1.096
pull
Entries 51
Mean 232.6
Std Dev 214.7

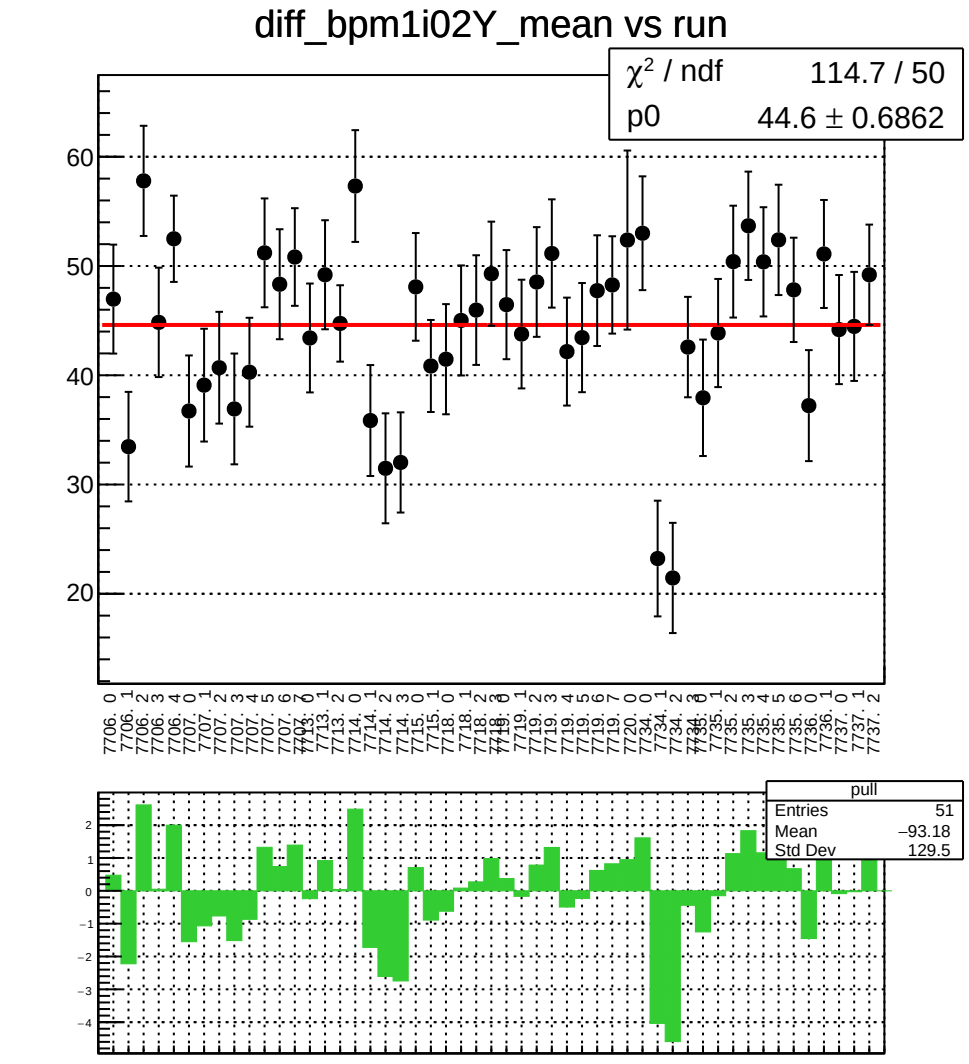

pull1D
Entries 51
Mean −0.01577
Std Dev 1.033

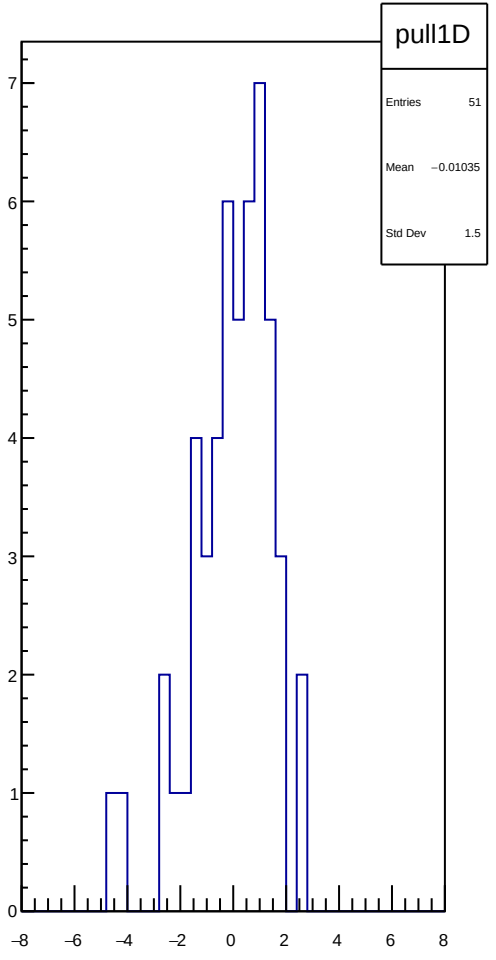

diff_bpm0i07Y_rms vs run
χ² / ndf 2014 / 50
p0 760.4 ± 0.7747
880
860
840
820
800
780
760
740
720
700
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

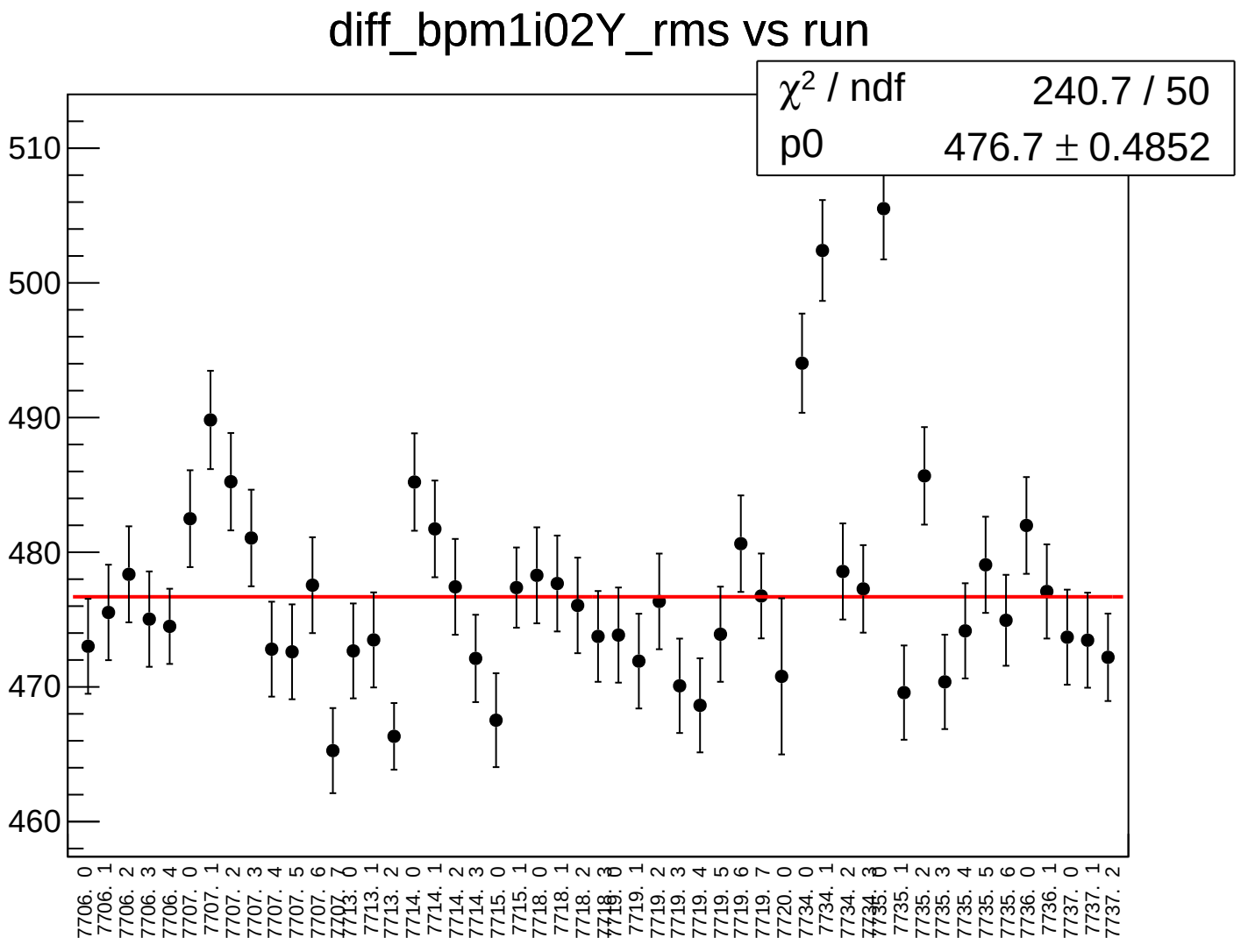

diff_bpm1i02X_mean vs run
χ^2 / ndf 100.8 / 50
p0 −36.32 ± 0.9227
−10
−20
−30
−40
−50
−60
pull
Entries 51
Mean 2789
Std Dev 2765
3
2
1
0
−1
−2
−3

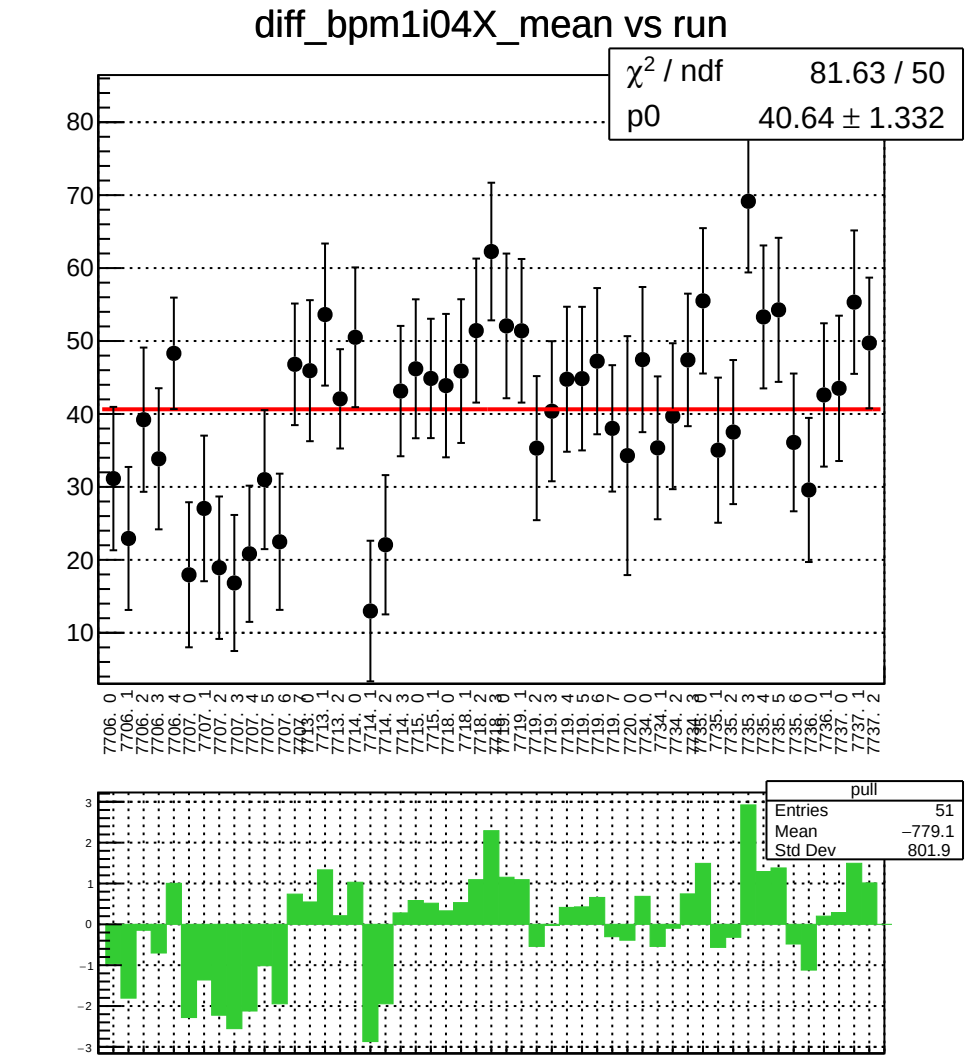

pull1D
Entries 51
Mean −0.004477
Std Dev 1.406
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

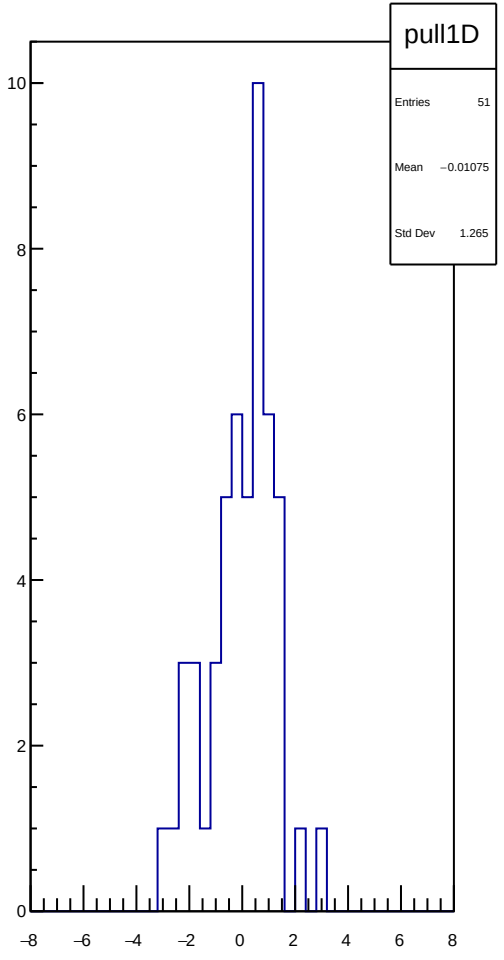

diff_bpm1i02X_rms vs run
χ² / ndf 375.5 / 50
p0 640.9 ± 0.6524
680
670
660
650
640
630
620
610
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

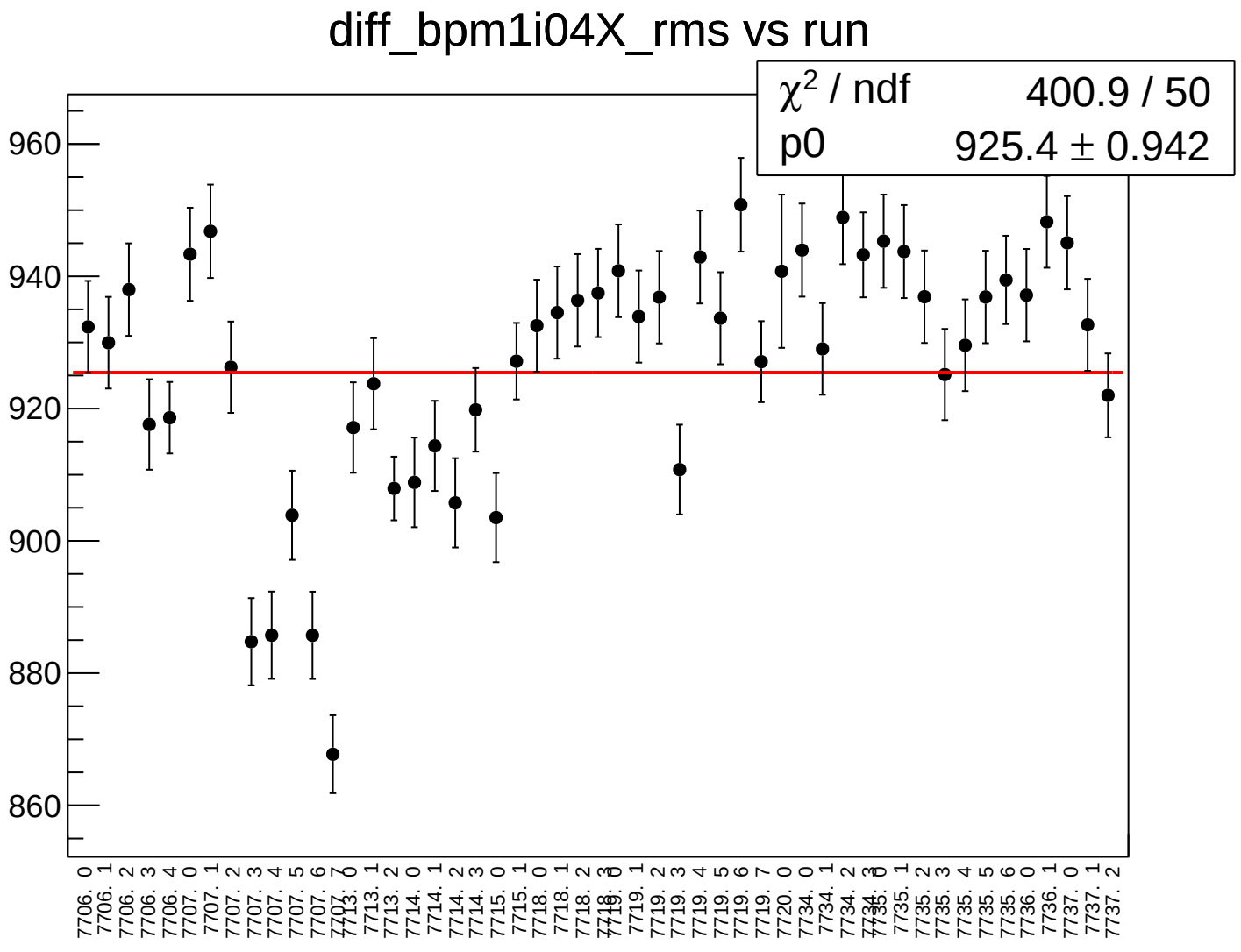

diff_bpm1i02Y_mean vs run
χ^2 / ndf 114.7 / 50
p0 44.6 ± 0.6862
pull
Entries 51
Mean −93.18
Std Dev 129.5

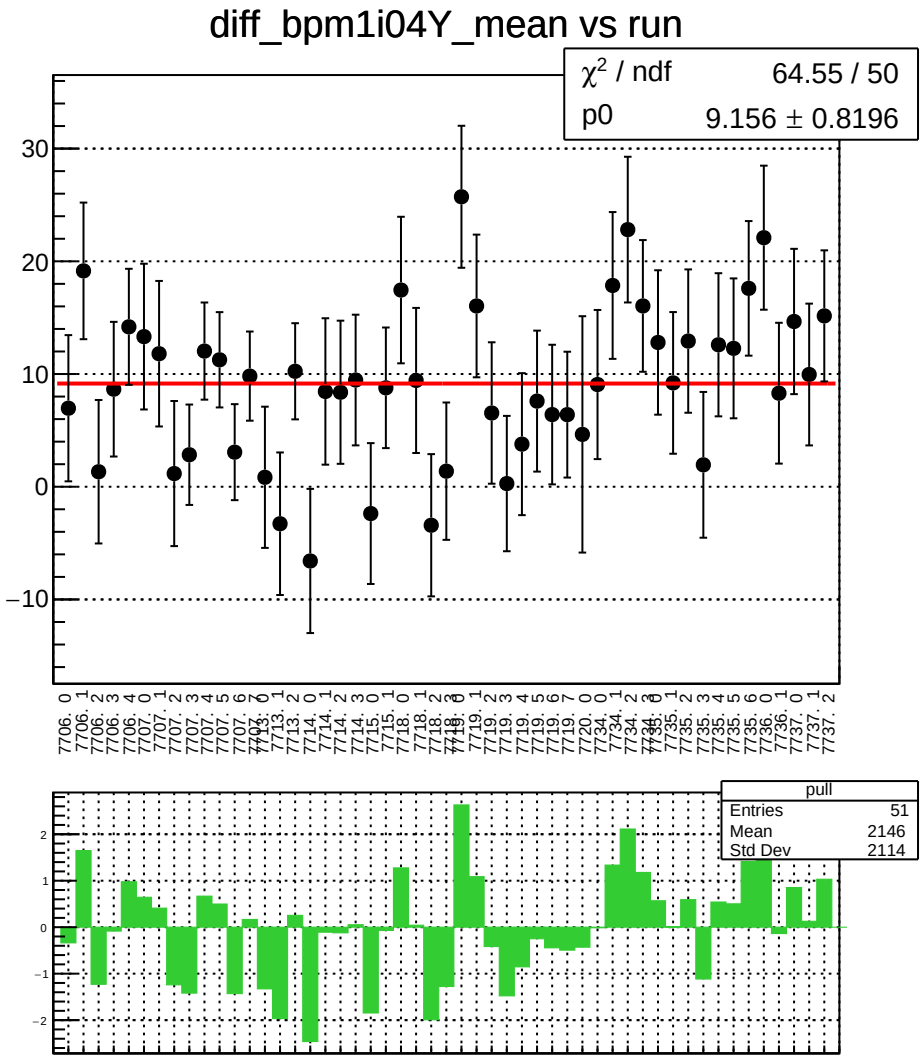

pull1D
Entries 51
Mean −0.01035
Std Dev 1.5

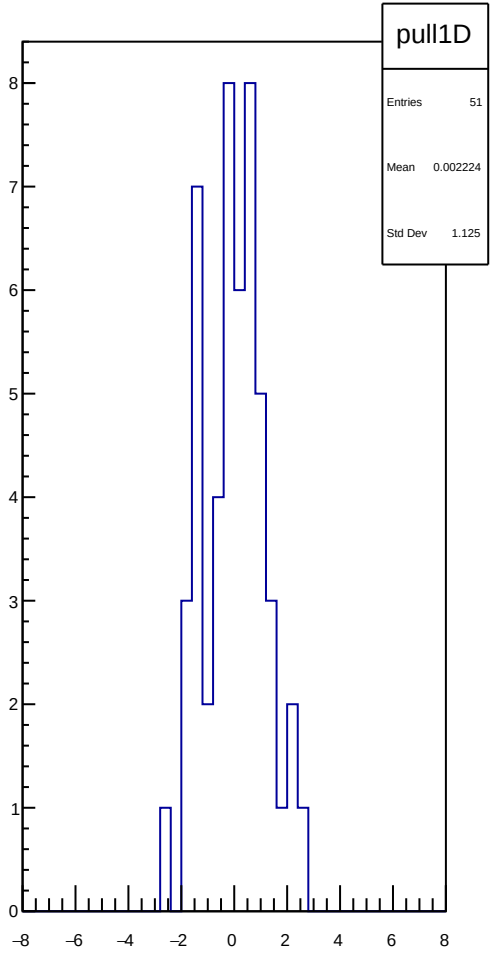

diff_bpm1i02Y_rms vs run
χ² / ndf 240.7 / 50
p0 476.7 ± 0.4852
510
500
490
480
470
460
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

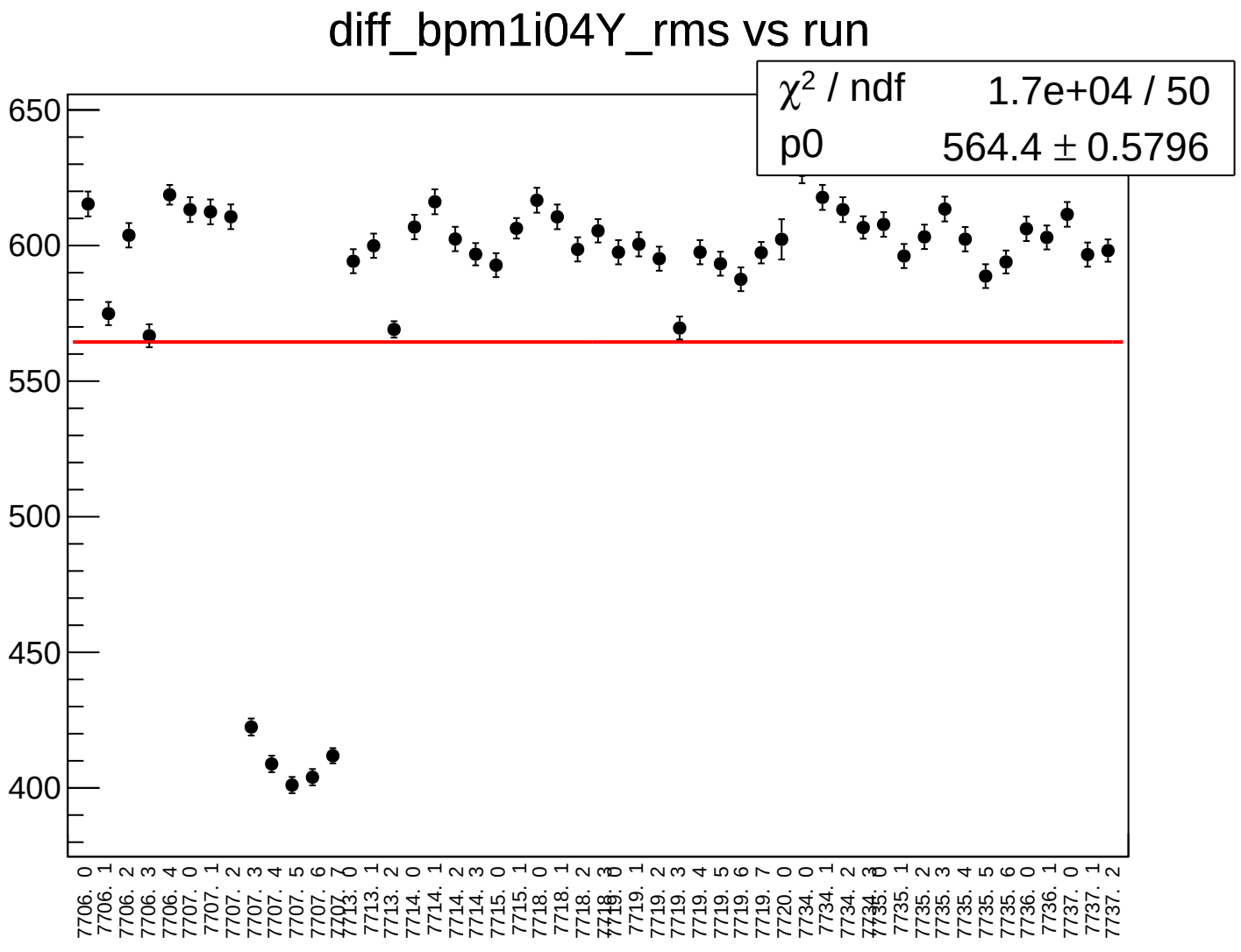

diff_bpm1i04X_mean vs run
χ² / ndf 81.63 / 50
p0 40.64 ± 1.332
pull
Entries 51
Mean −779.1
Std Dev 801.9

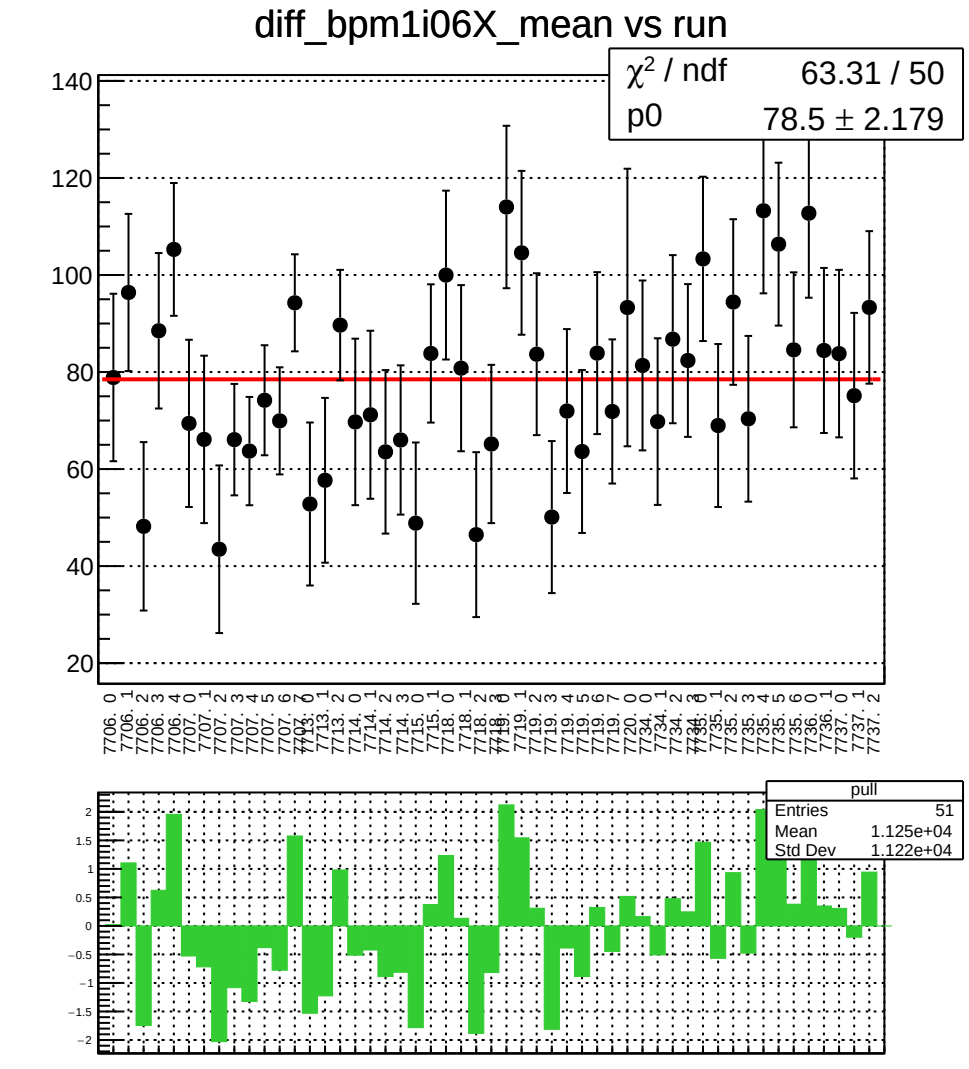

pull1D
Entries 51
Mean −0.01075
Std Dev 1.265

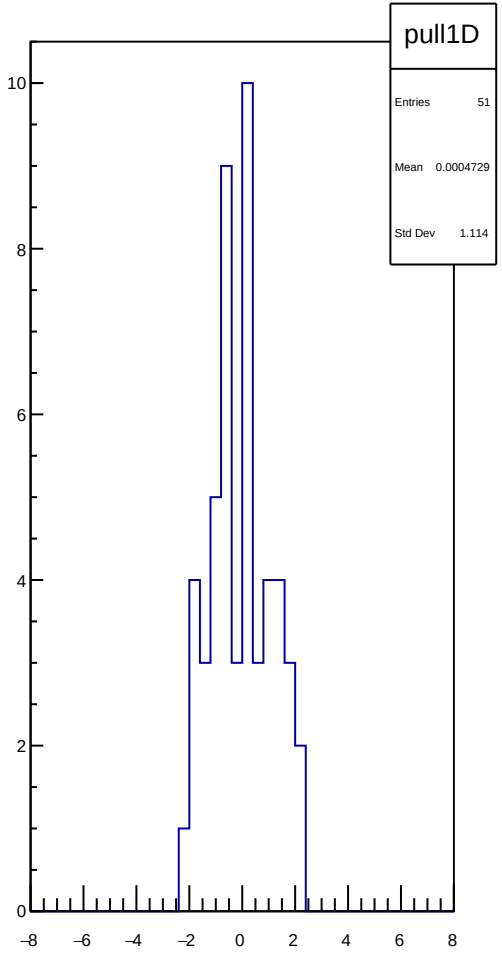

diff_bpm1i04X_rms vs run
χ² / ndf 400.9 / 50
p0 925.4 ± 0.942
960
940
920
900
880
860
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

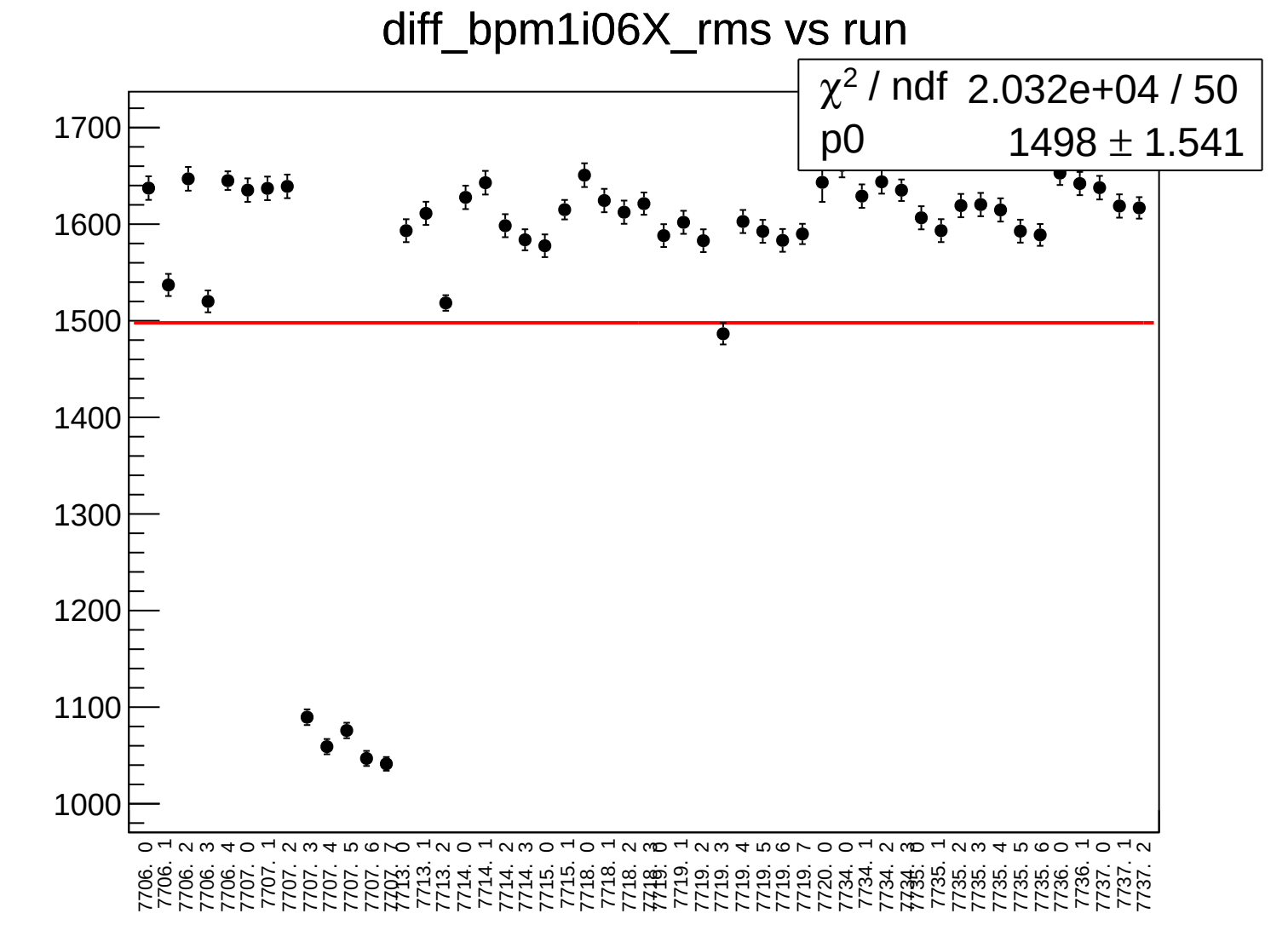

diff_bpm1i04Y_mean vs run
χ² / ndf 64.55 / 50
p0 9.156 ± 0.8196
pull
Entries 51
Mean 2146
Std Dev 2114

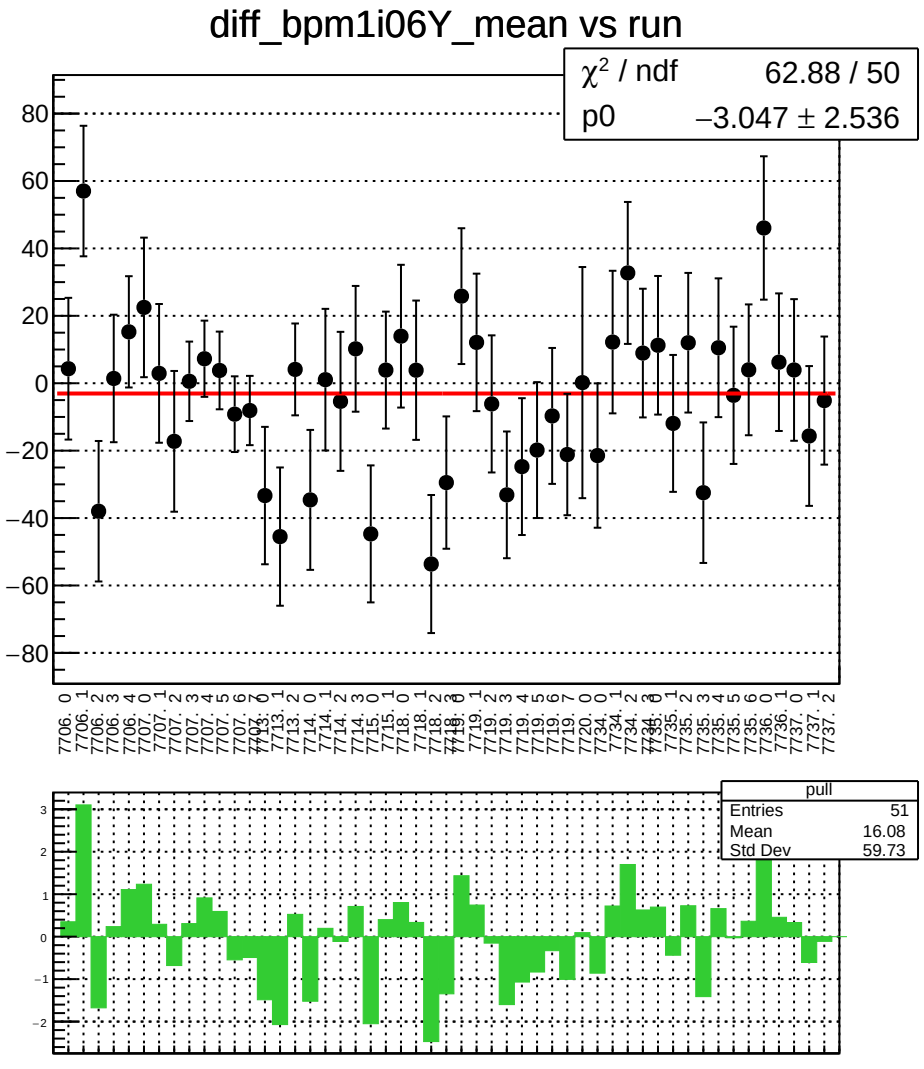

pull1D
Entries 51
Mean 0.002224
Std Dev 1.125

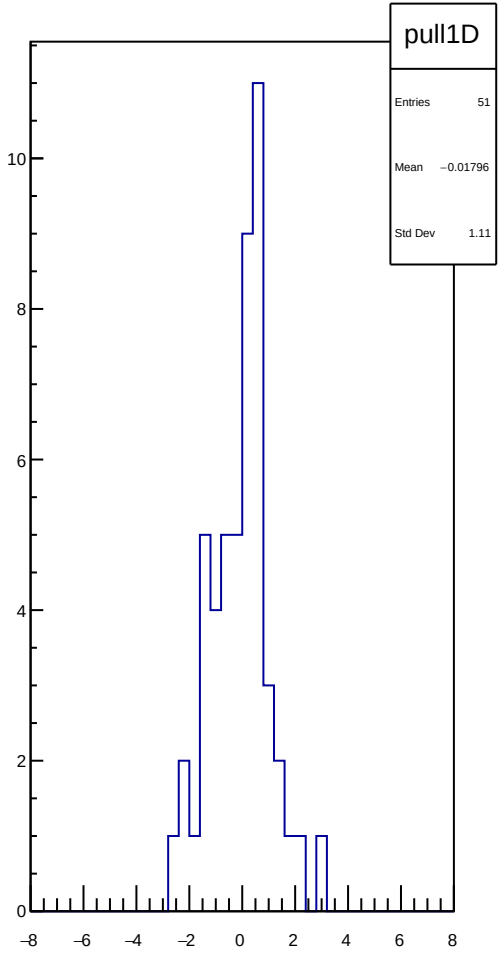

diff_bpm1i04Y_rms vs run
χ² / ndf 1.7e+04 / 50
p0 564.4 ± 0.5796
650
600
550
500
450
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

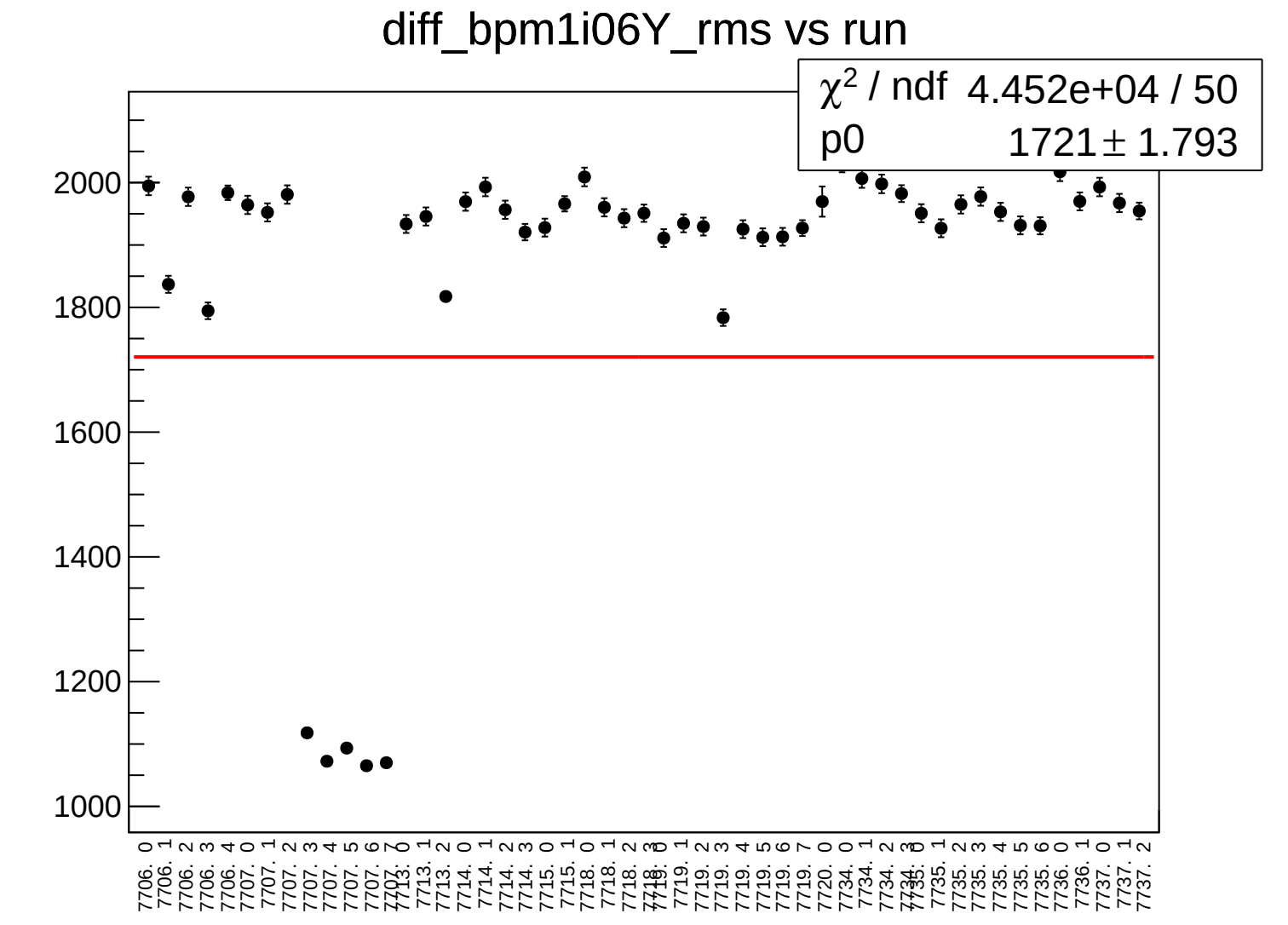

diff_bpm1i06X_mean vs run
χ² / ndf 63.31 / 50
p0 78.5 ± 2.179
pull
Entries 51
Mean 1.125e+04
Std Dev 1.122e+04

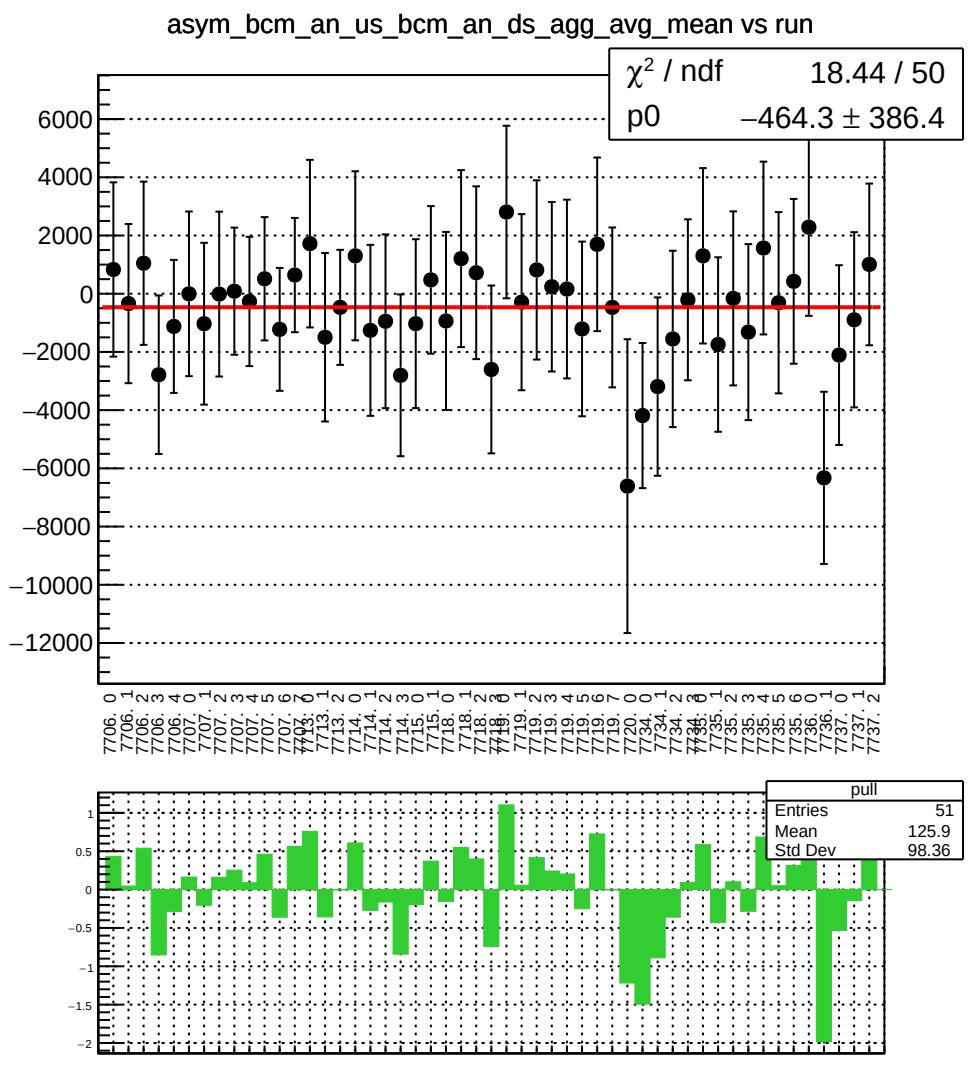

pull1D
Entries 51
Mean 0.0004729
Std Dev 1.114

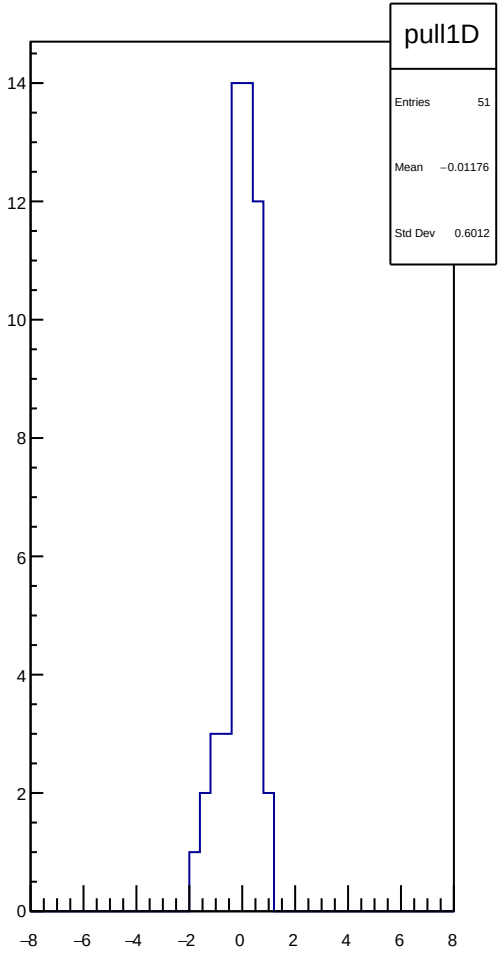

diff_bpm1i06X_rms vs run
χ² / ndf 2.032e+04 / 50
p0 1498 ± 1.541
1700
1600
1500
1400
1300
1200
1100
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

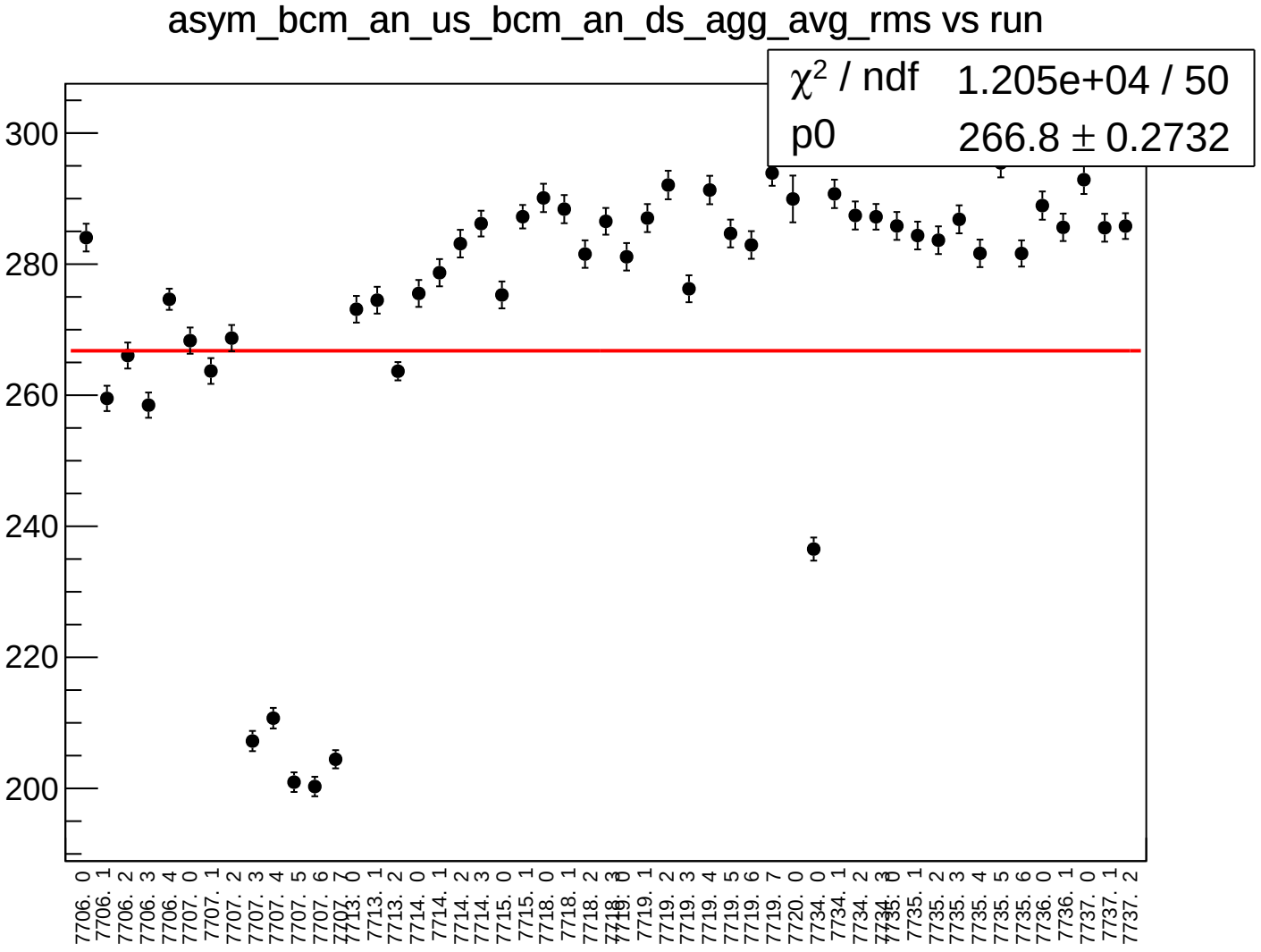

diff_bpm1i06Y_mean vs run
χ² / ndf 62.88 / 50
p0 −3.047 ± 2.536
pull
Entries 51
Mean 16.08
Std Dev 59.73

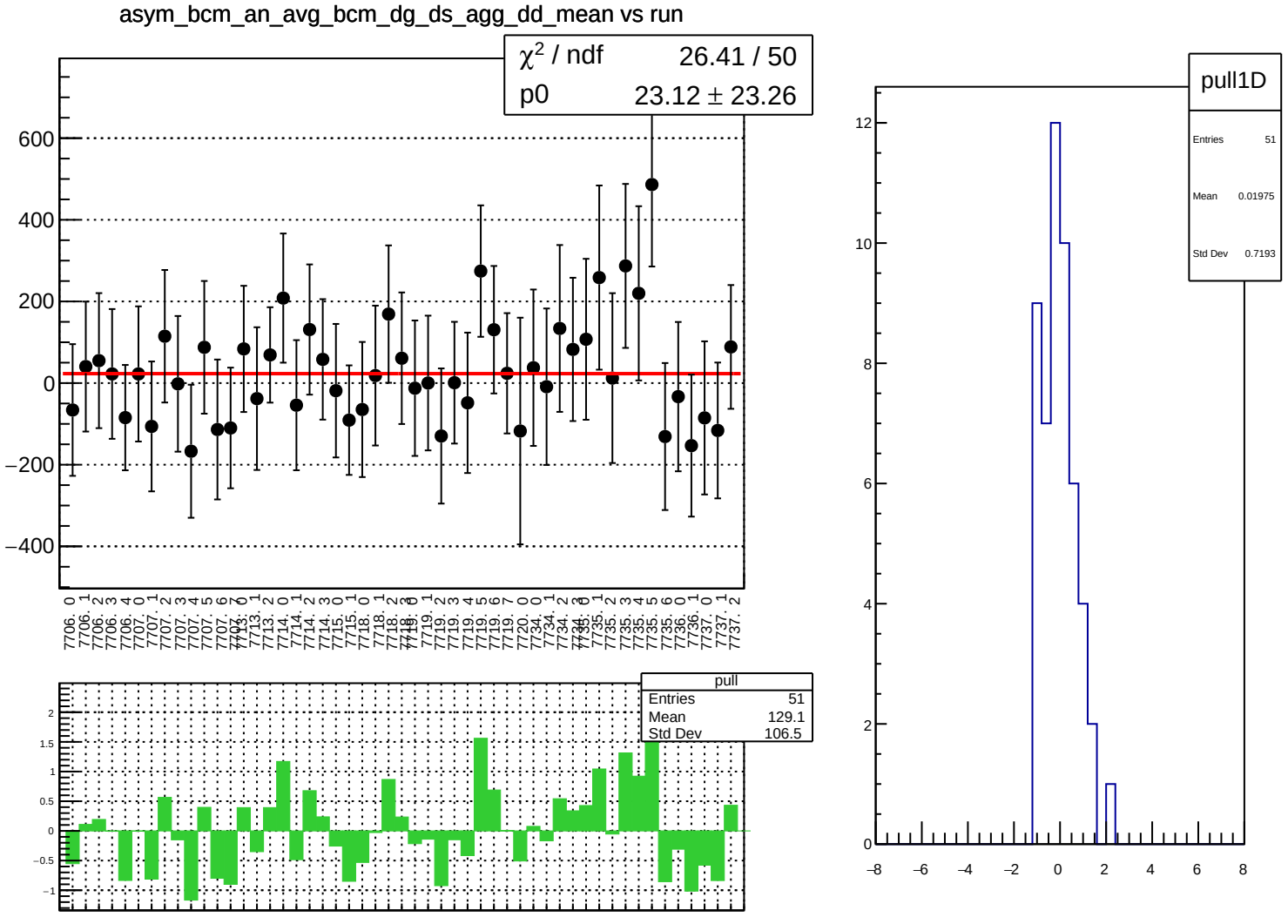

pull1D
Entries 51
Mean −0.01796
Std Dev 1.11

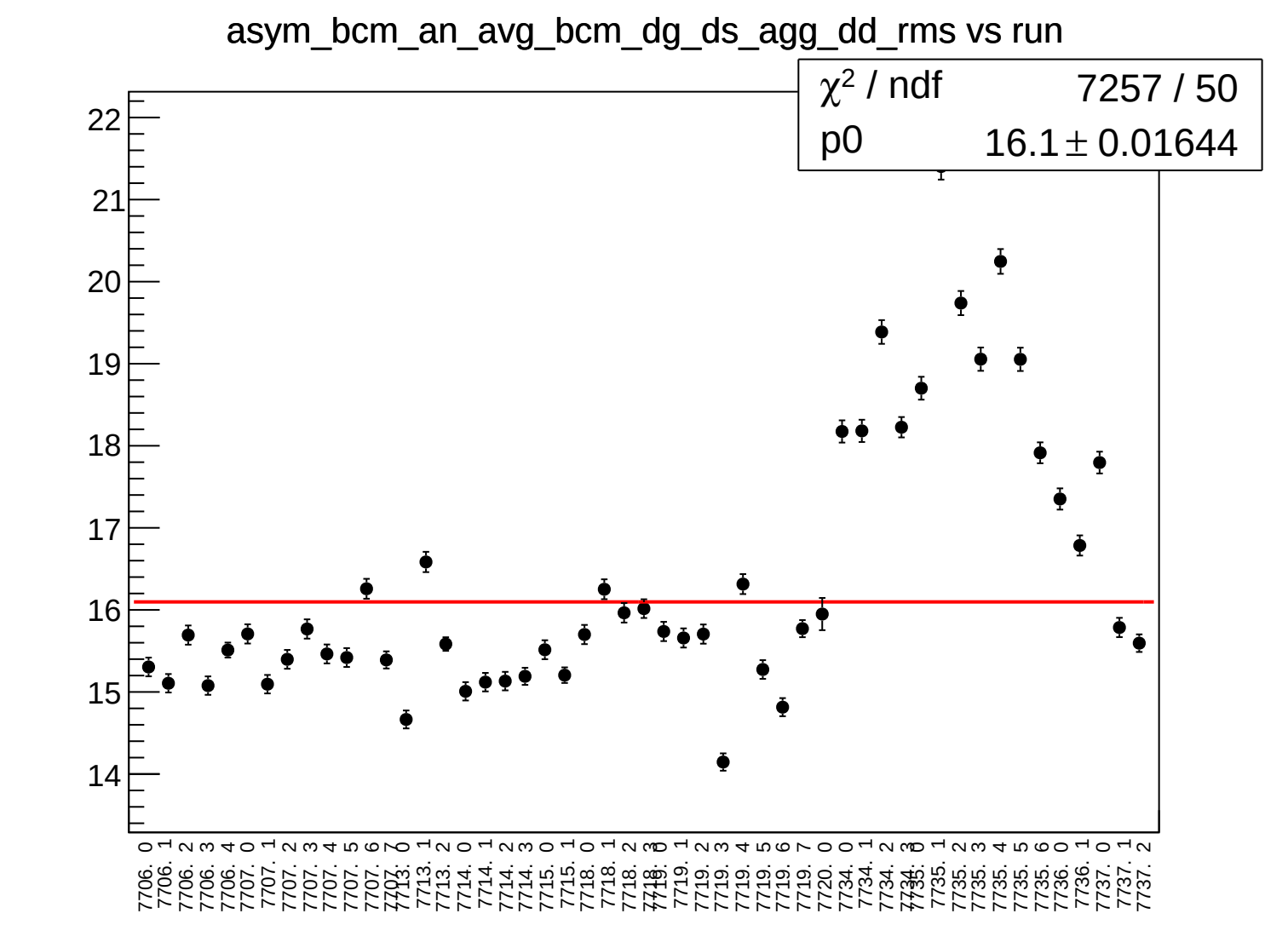

diff_bpm1i06Y_rms vs run
χ² / ndf 4.452e+04 / 50
p0 1721 ± 1.793
2000
1800
1600
1400
1200
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

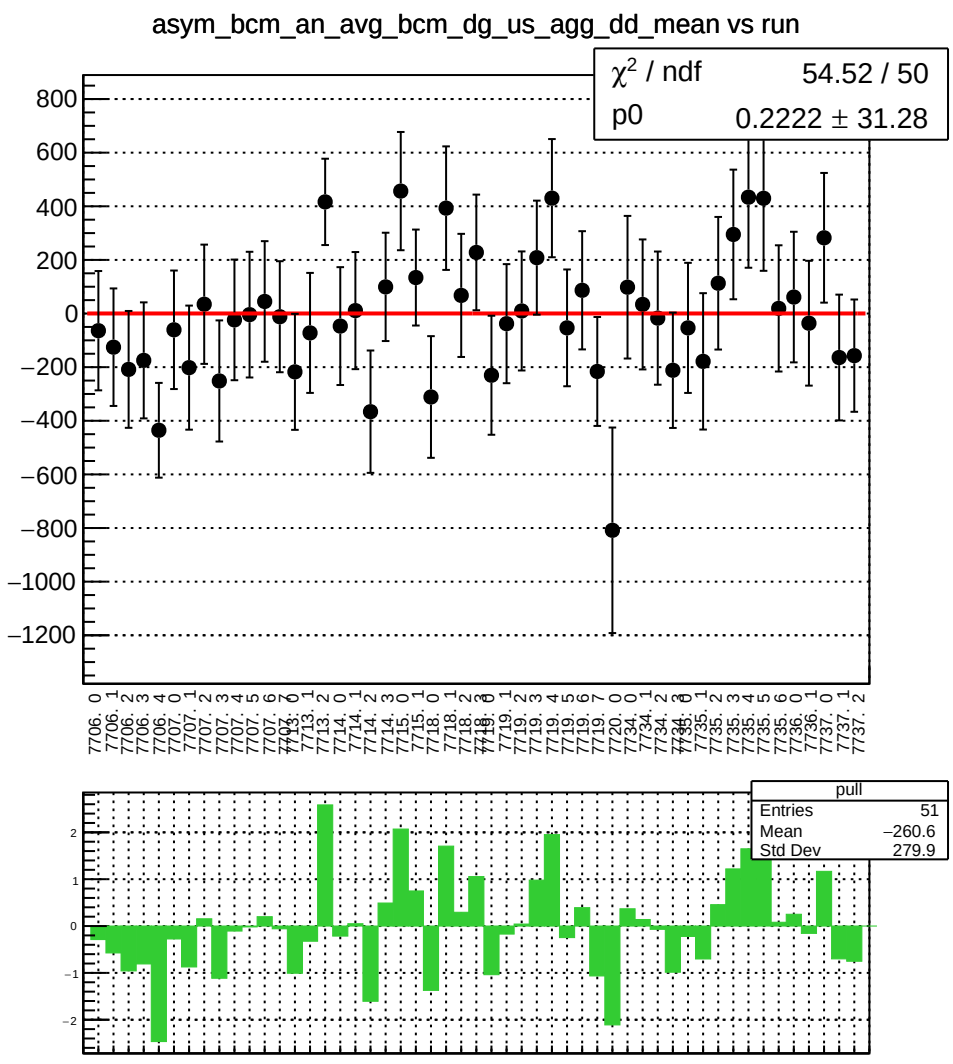

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.44 / 50
p0 −464.3 ± 386.4
pull
Entries 51
Mean 125.9
Std Dev 98.36

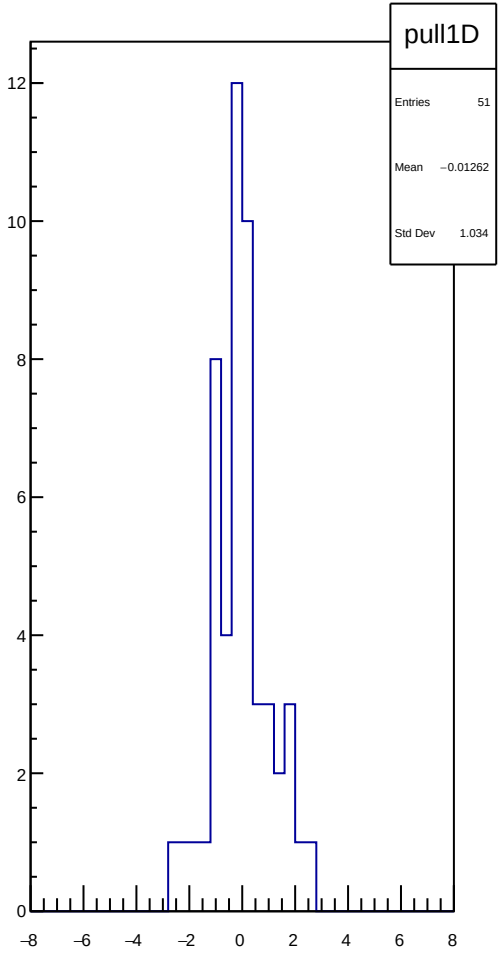

pull1D
Entries 51
Mean −0.01176
Std Dev 0.6012

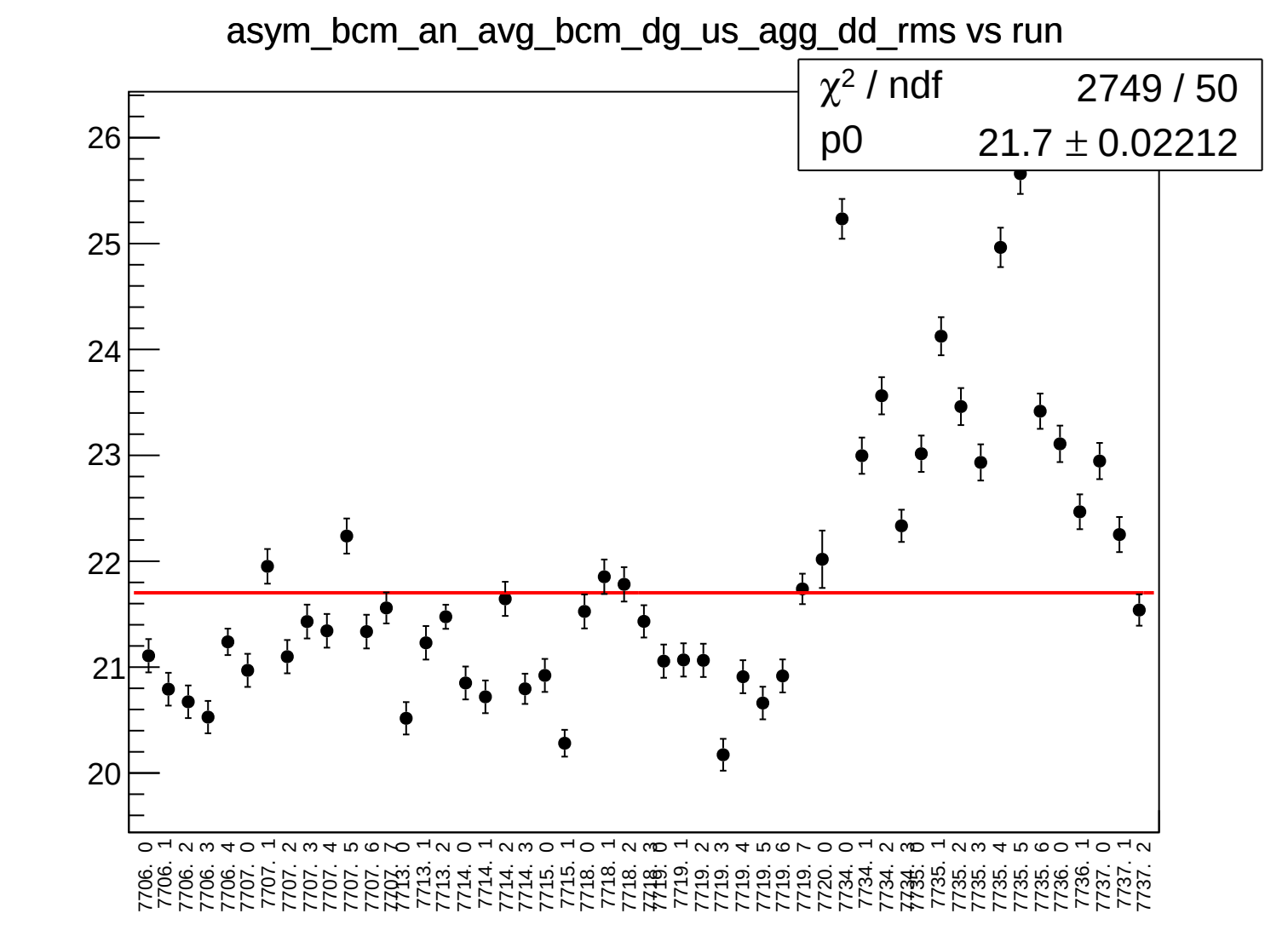

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.205e+04 / 50
p0 266.8 ± 0.2732
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

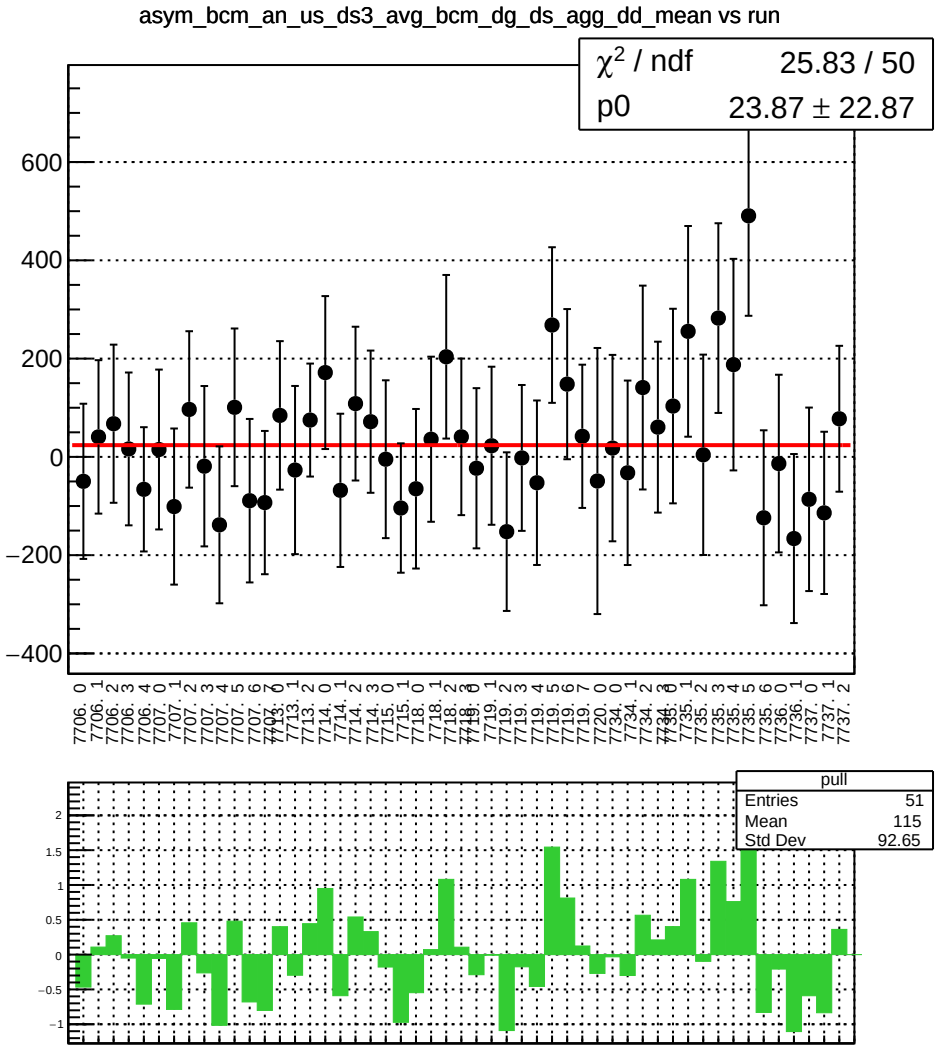

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 26.41 / 50
p0 23.12 ± 23.26
600
400
200
0
−200
−400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 129.1
Std Dev 106.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 51
Mean 0.01975
Std Dev 0.7193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

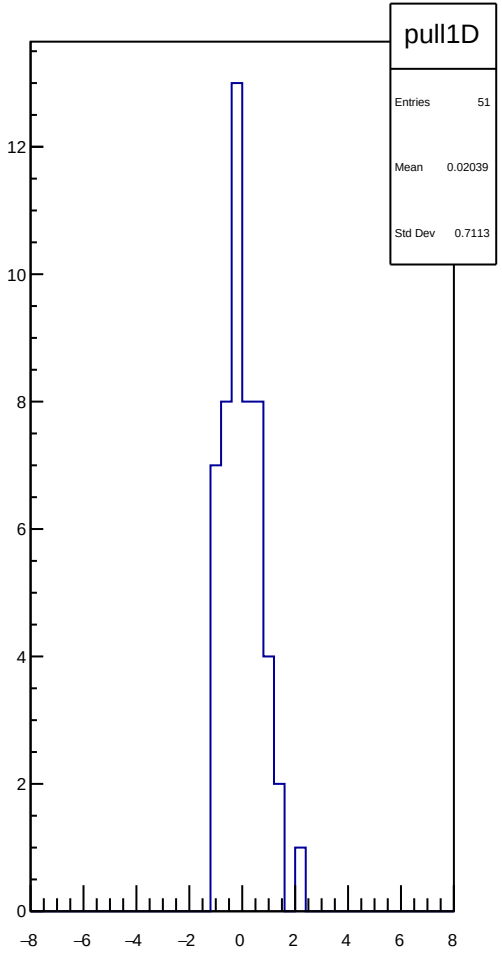

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 7257 / 50
p0 16.1 ± 0.01644
22
21
20
19
18
17
16
15
14
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

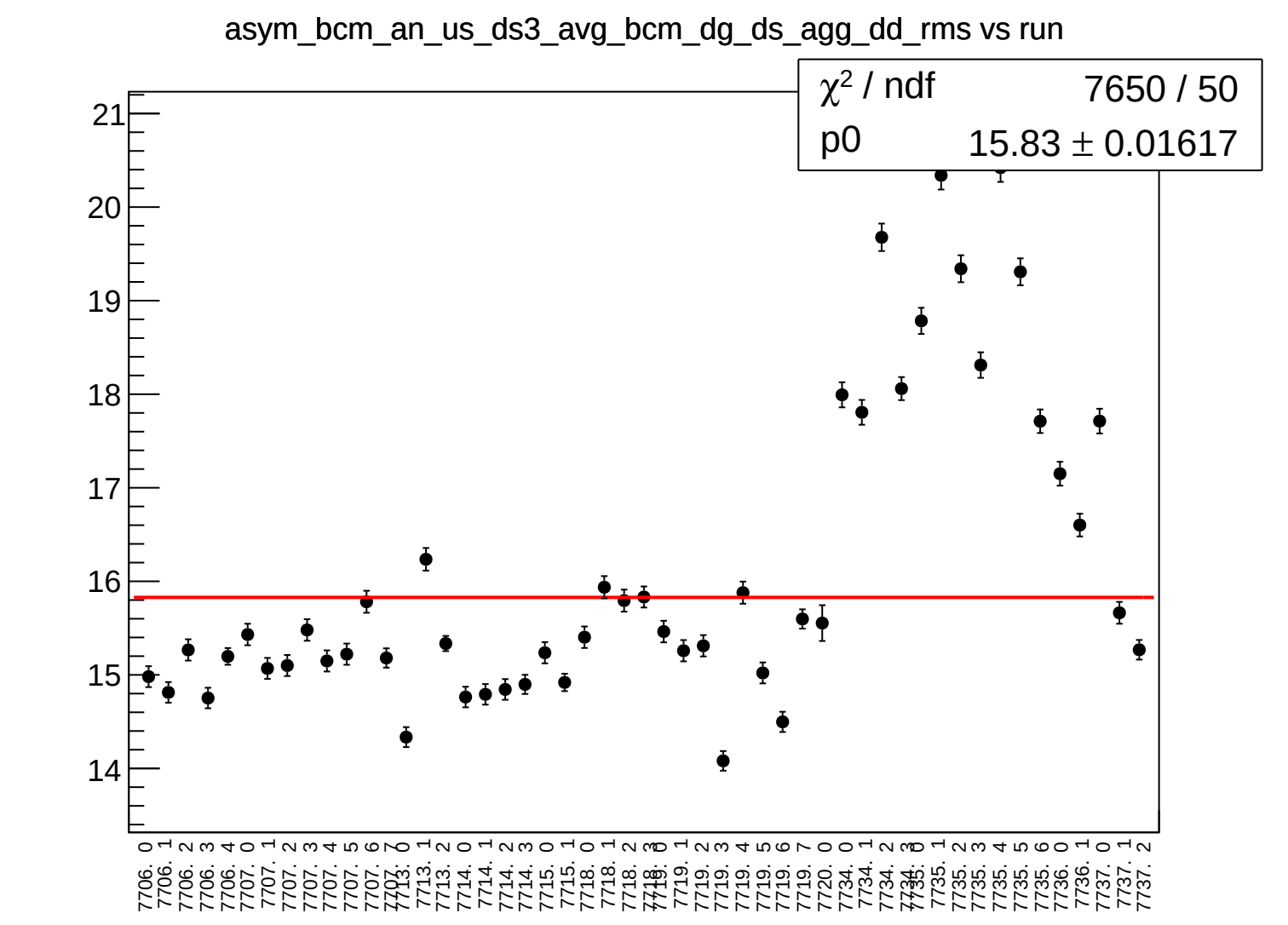

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 54.52 / 50
p0 0.2222 ± 31.28
pull
Entries 51
Mean −260.6
Std Dev 279.9

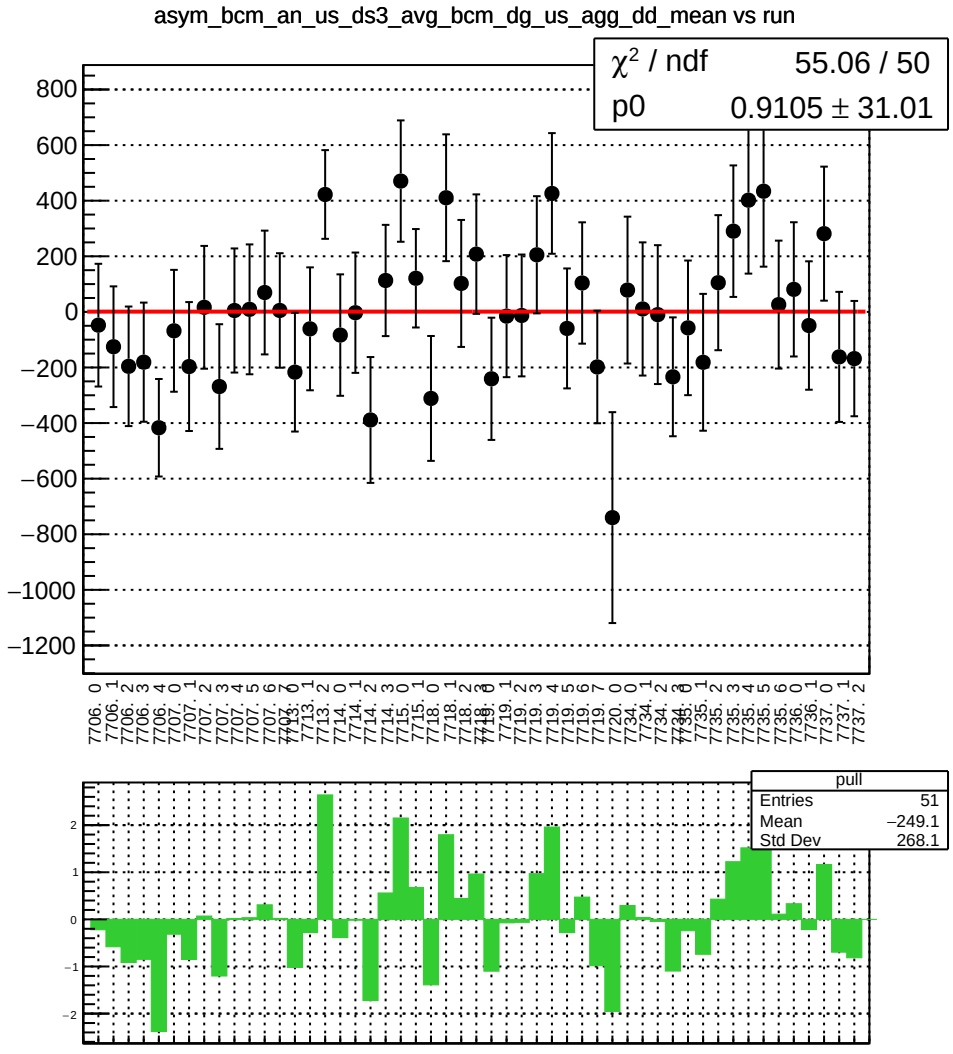

pull1D
Entries 51
Mean −0.01262
Std Dev 1.034

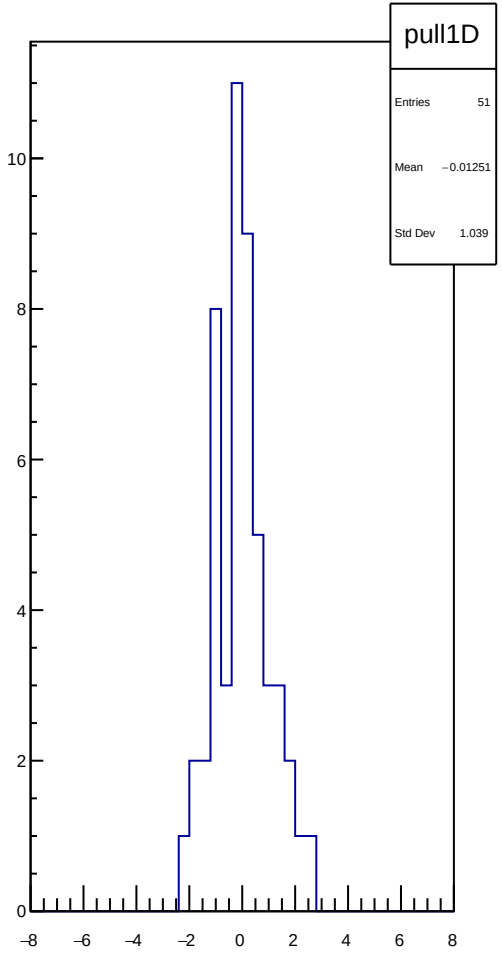

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2749 / 50
p0 21.7 ± 0.02212
26
25
24
23
22
21
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

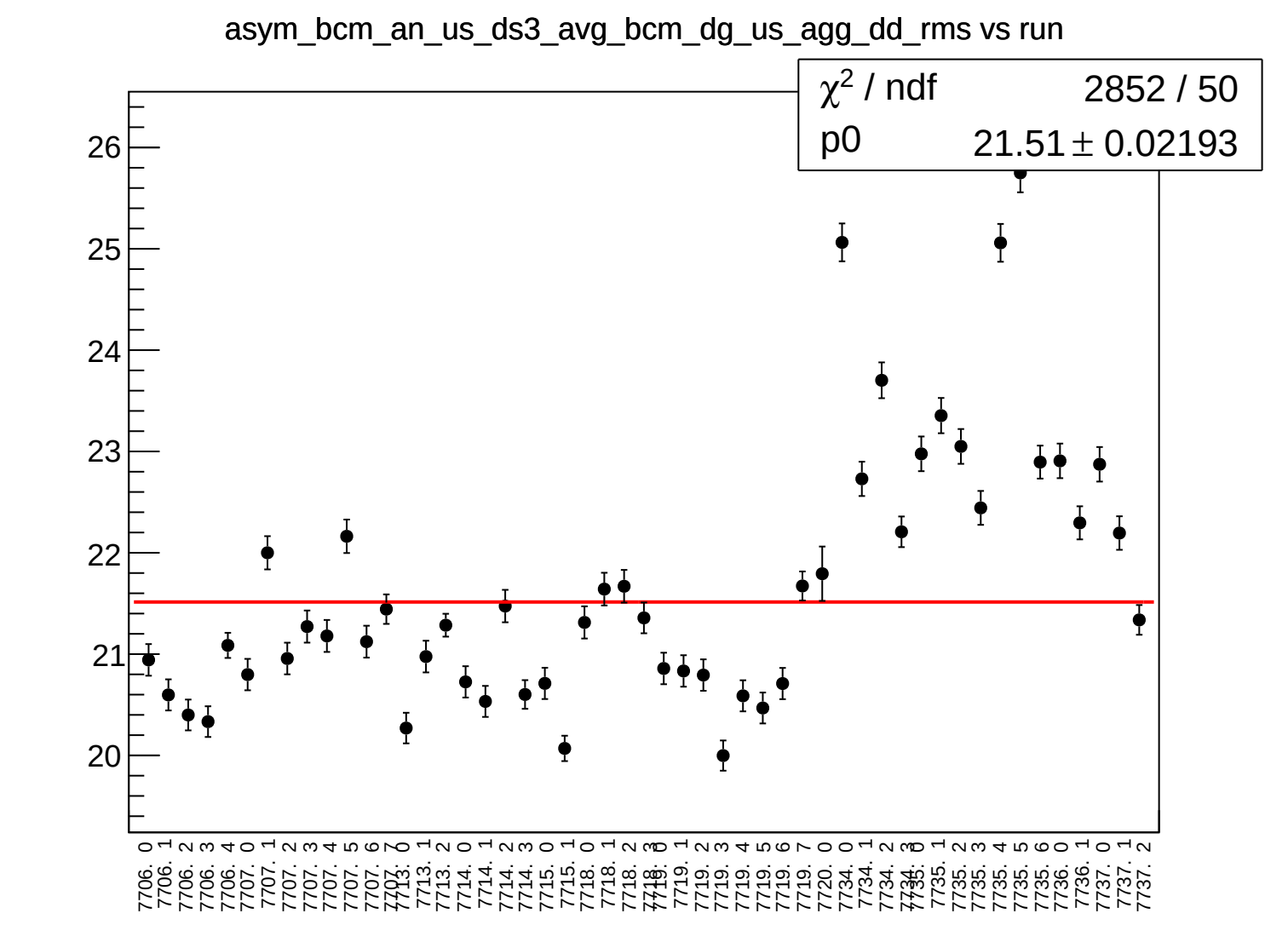

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 25.83 / 50
p0 23.87 ± 22.87
pull
Entries 51
Mean 115
Std Dev 92.65

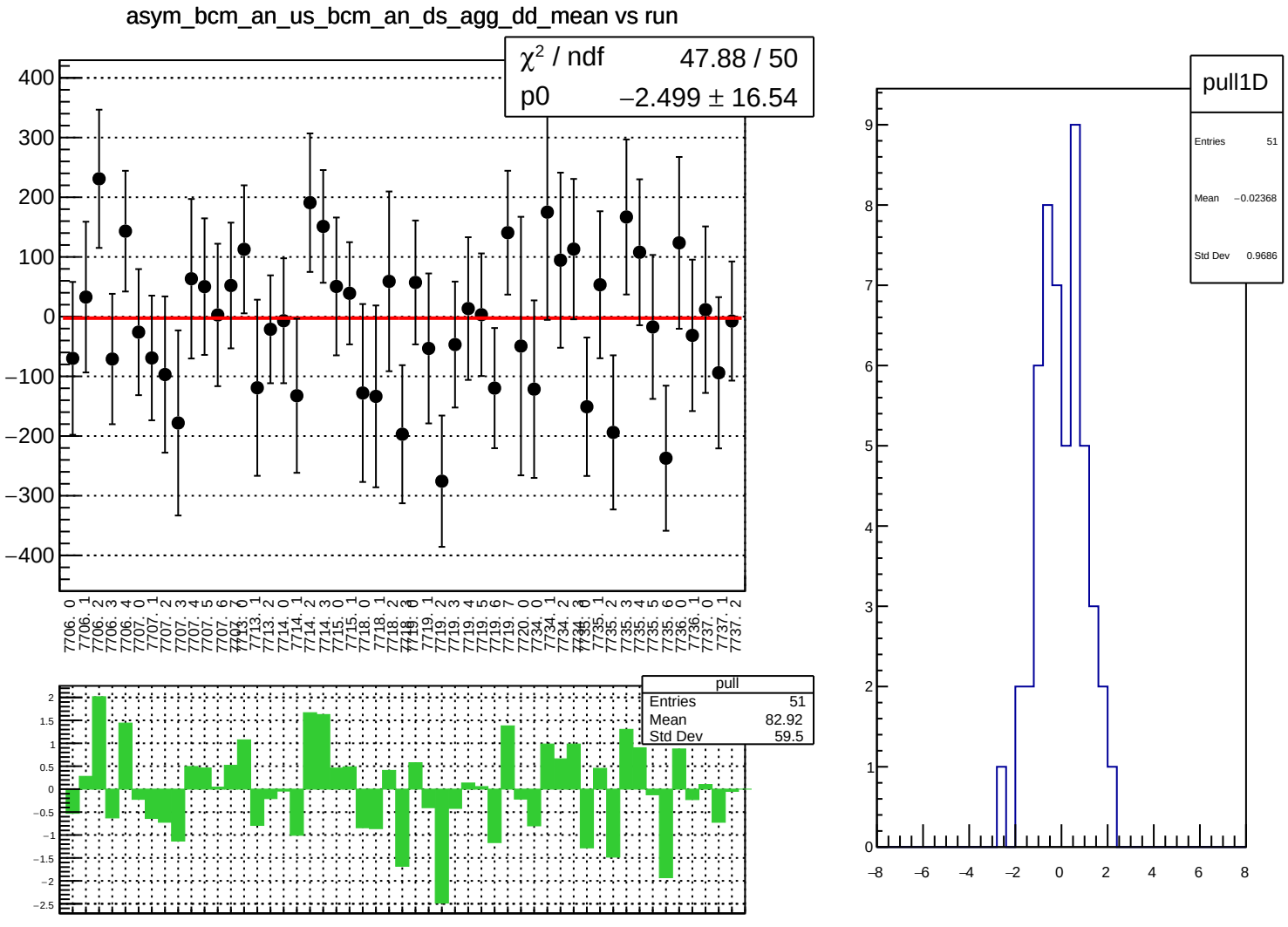

pull1D
Entries 51
Mean 0.02039
Std Dev 0.7113

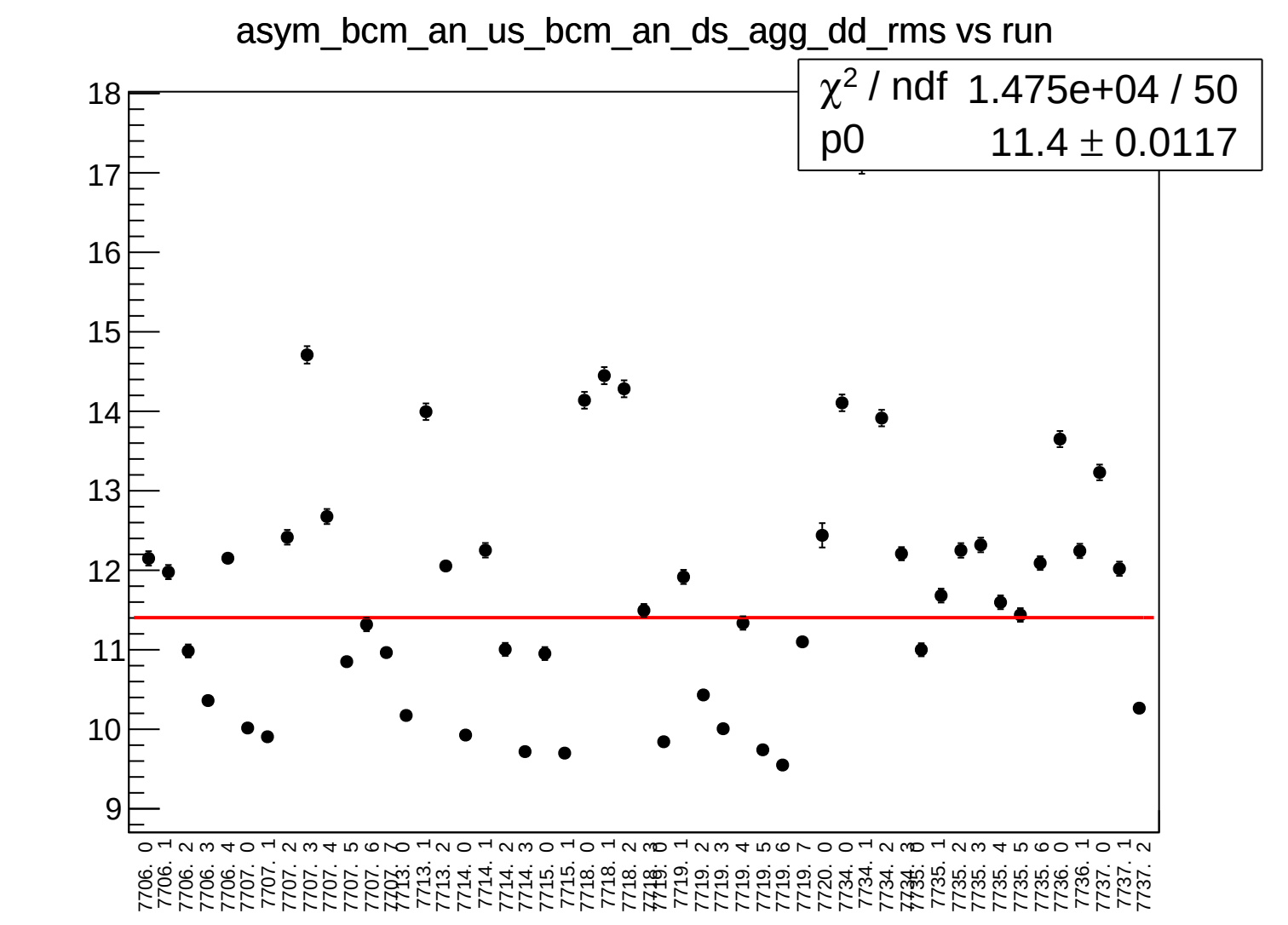

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 7650 / 50
p0 15.83 ± 0.01617
21
20
19
18
17
16
15
14
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

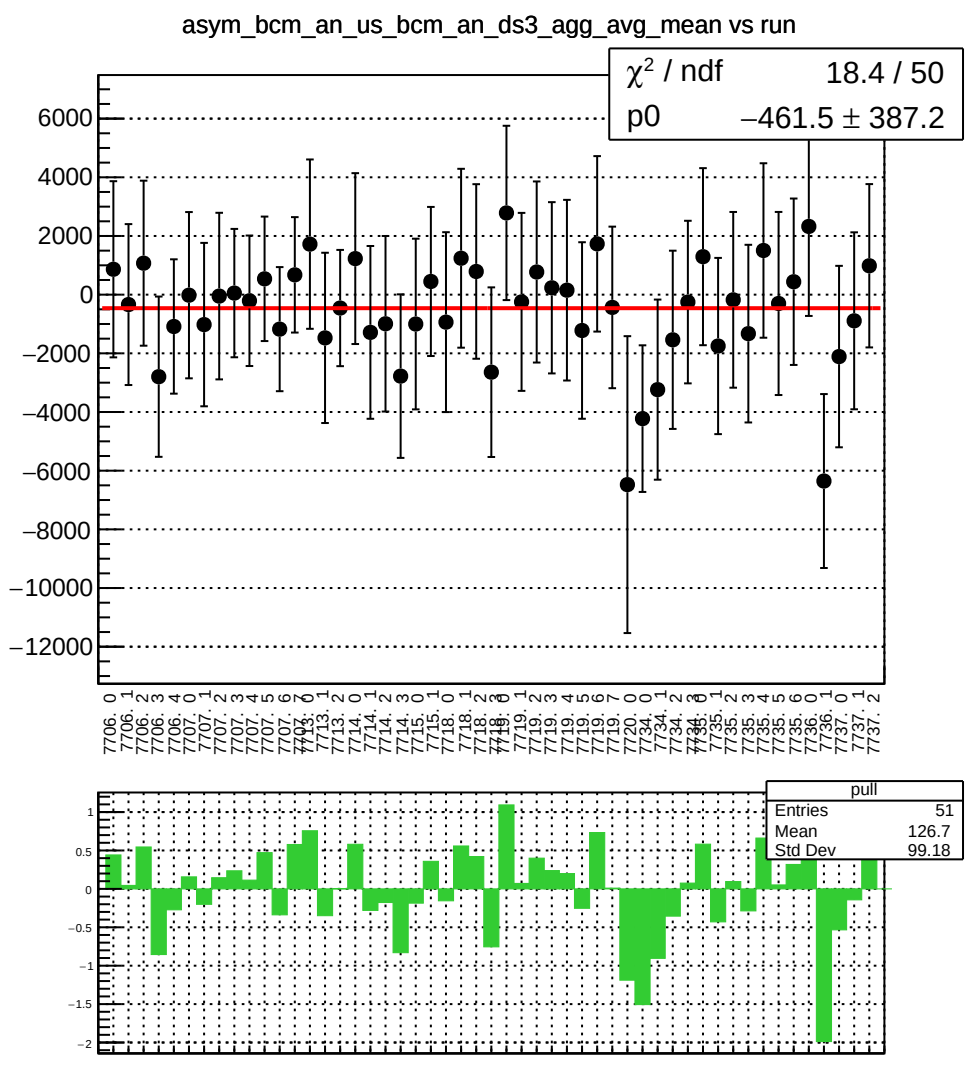

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 55.06 / 50
p0 0.9105 ± 31.01
pull
Entries 51
Mean −249.1
Std Dev 268.1

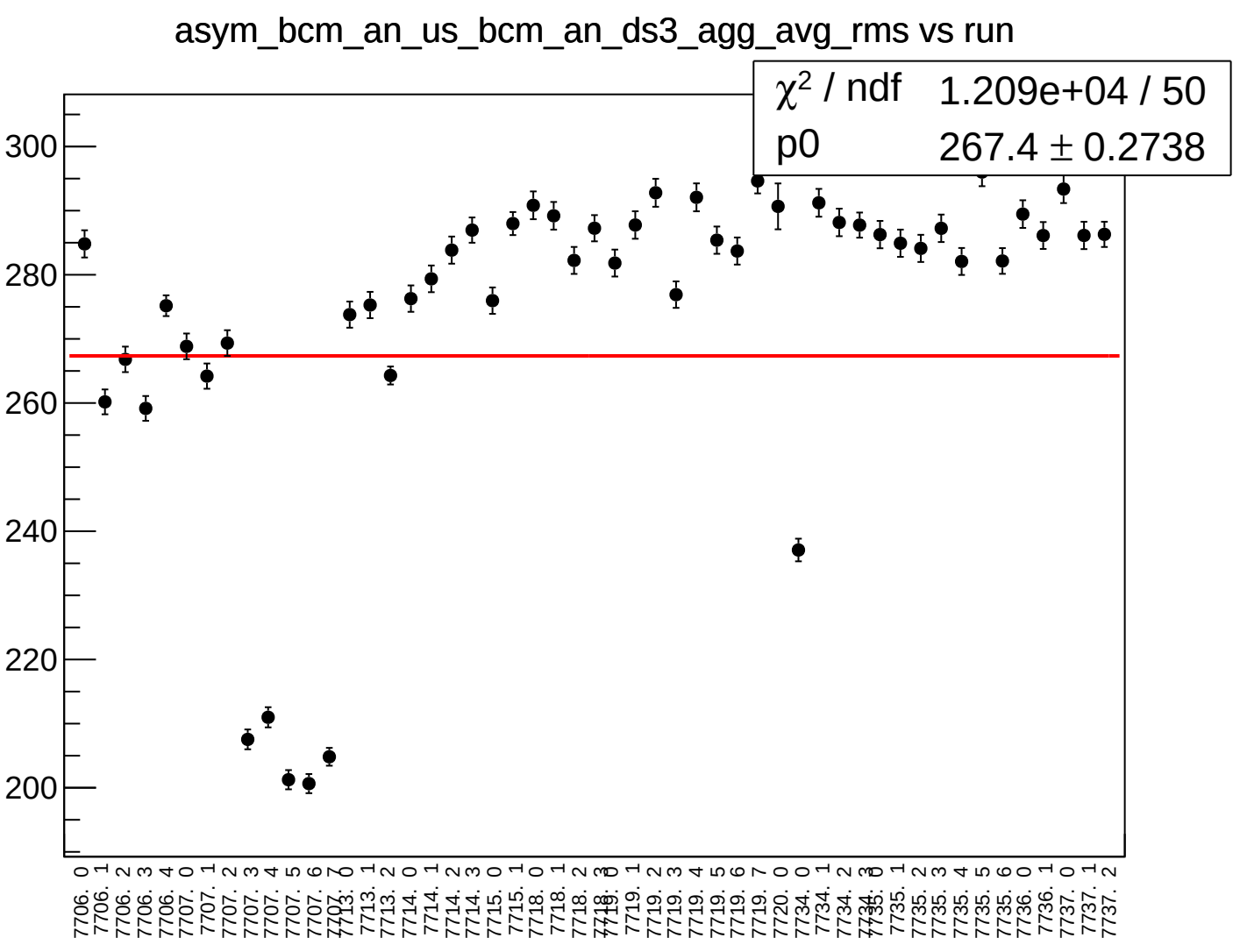

pull1D
Entries 51
Mean −0.01251
Std Dev 1.039

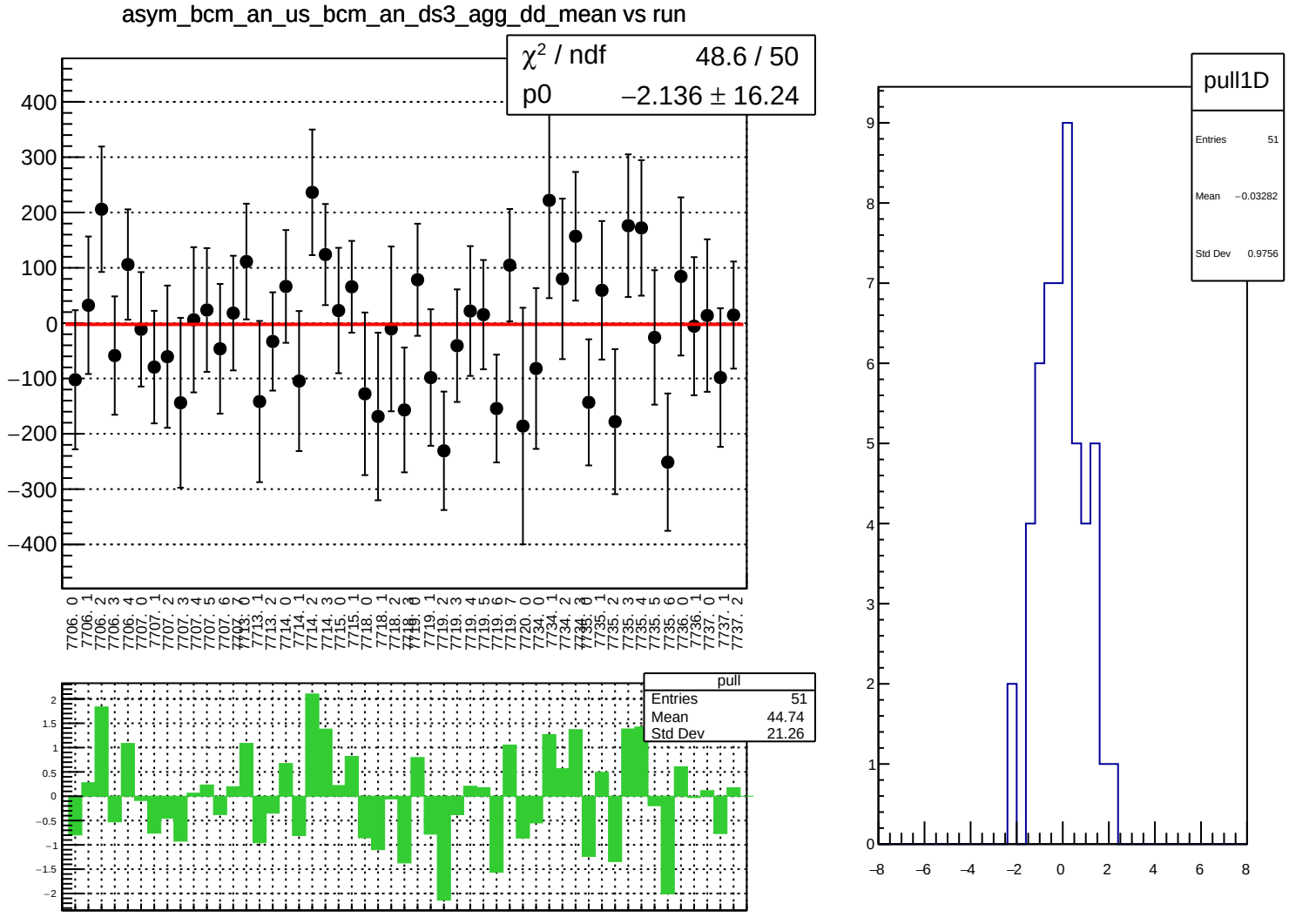

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2852 / 50
p0 21.51 ± 0.02193
26
25
24
23
22
21
20
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

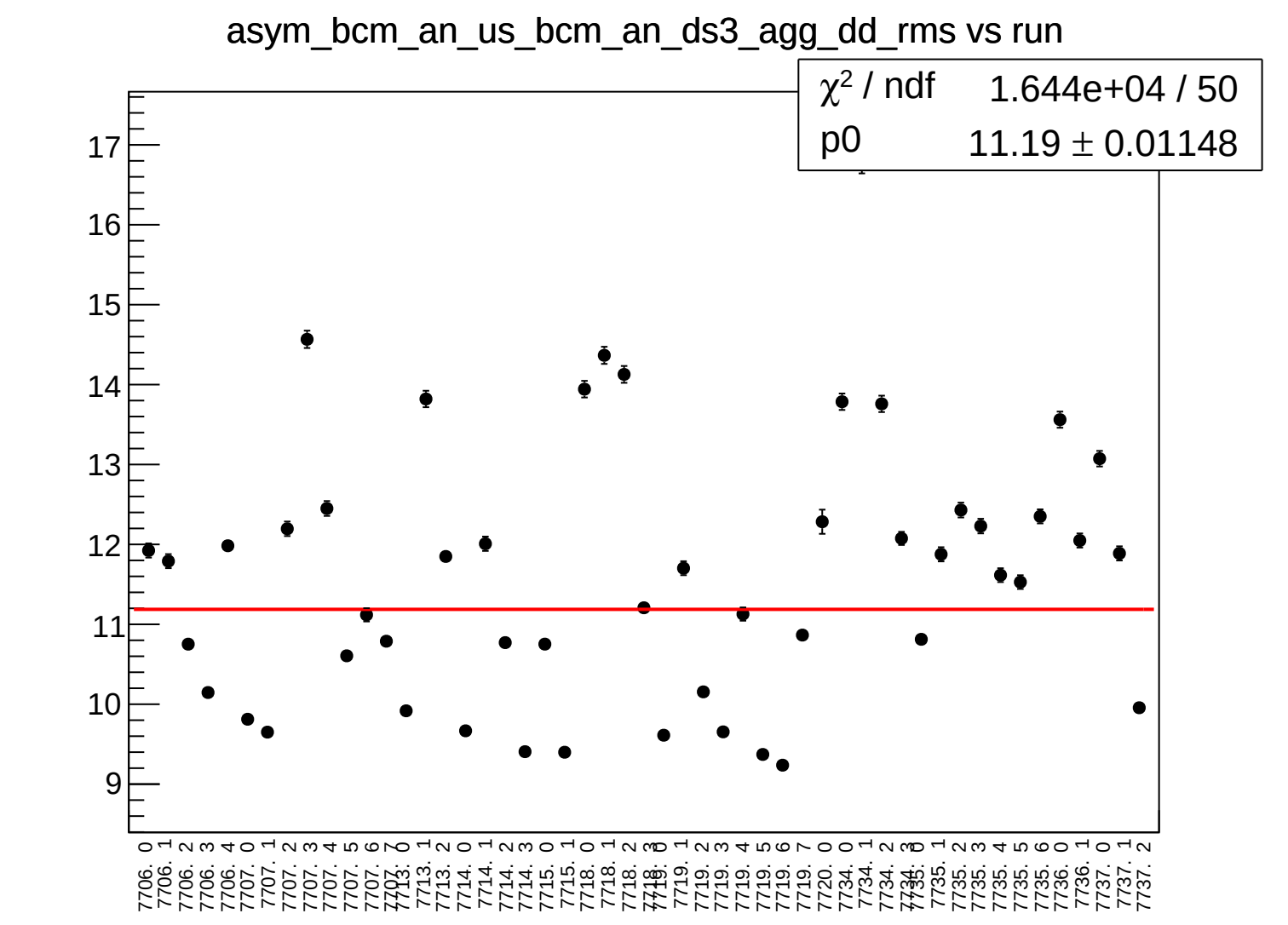

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 47.88 / 50
p0 −2.499 ± 16.54
pull
Entries 51
Mean 82.92
Std Dev 59.5
pull1D
Entries 51
Mean −0.02368
Std Dev 0.9686

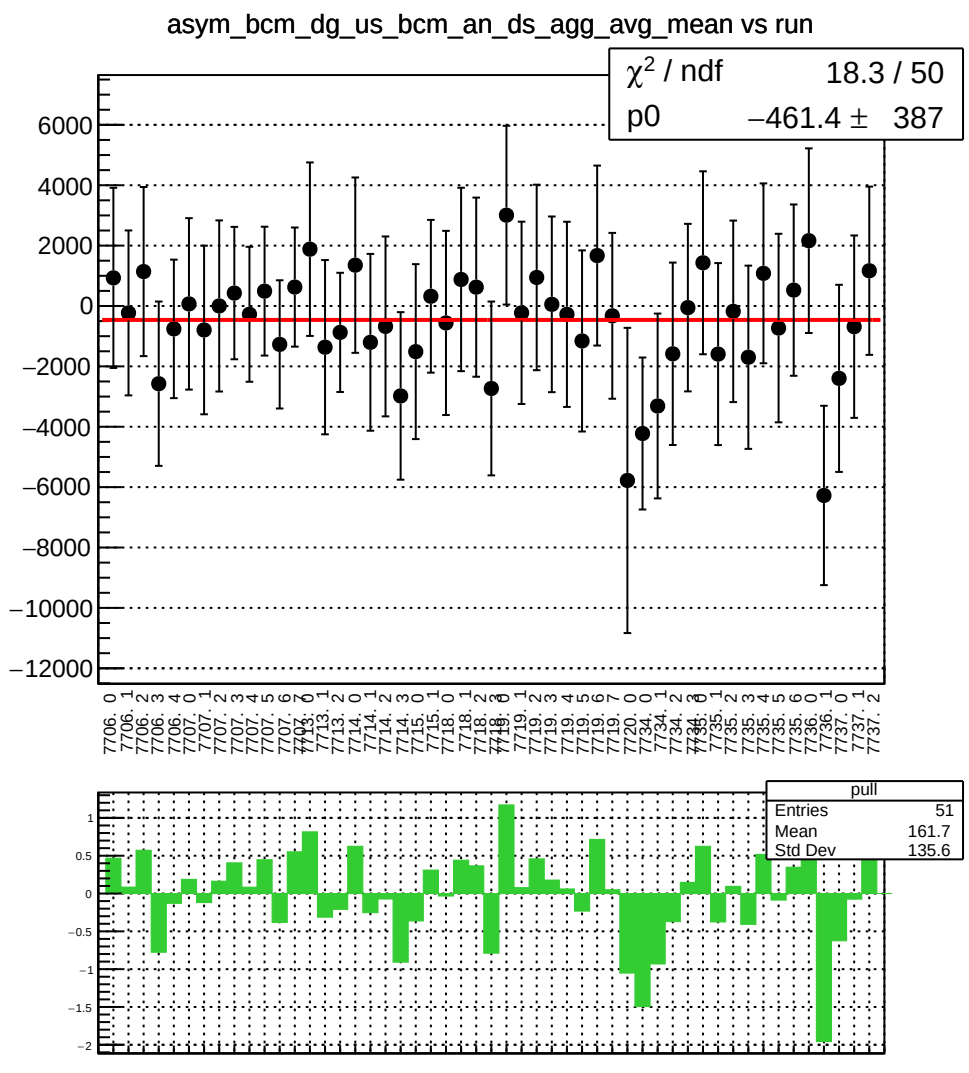

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.475e+04 / 50
p0 11.4 ± 0.0117
18
17
16
15
14
13
12
11
10
9
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

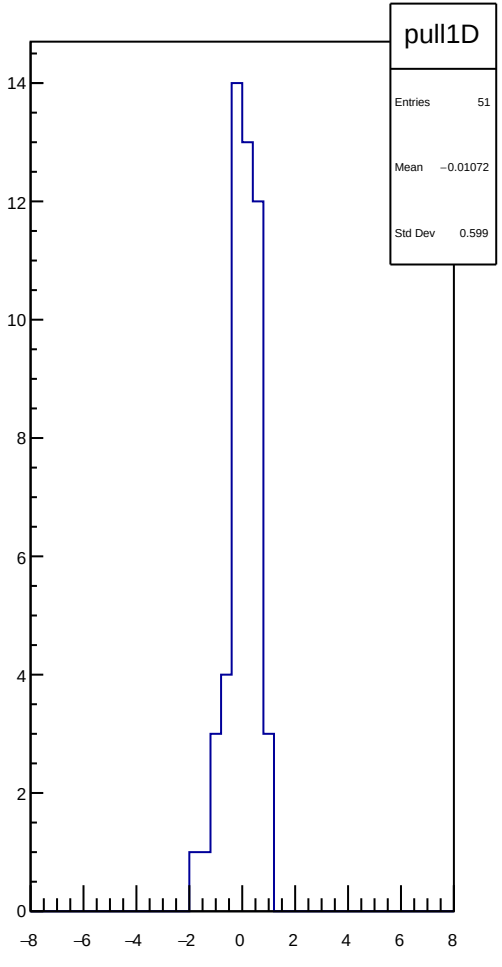

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 18.4 / 50
p0 −461.5 ± 387.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 126.7
Std Dev 99.18
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 51
Mean −0.012
Std Dev 0.6006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

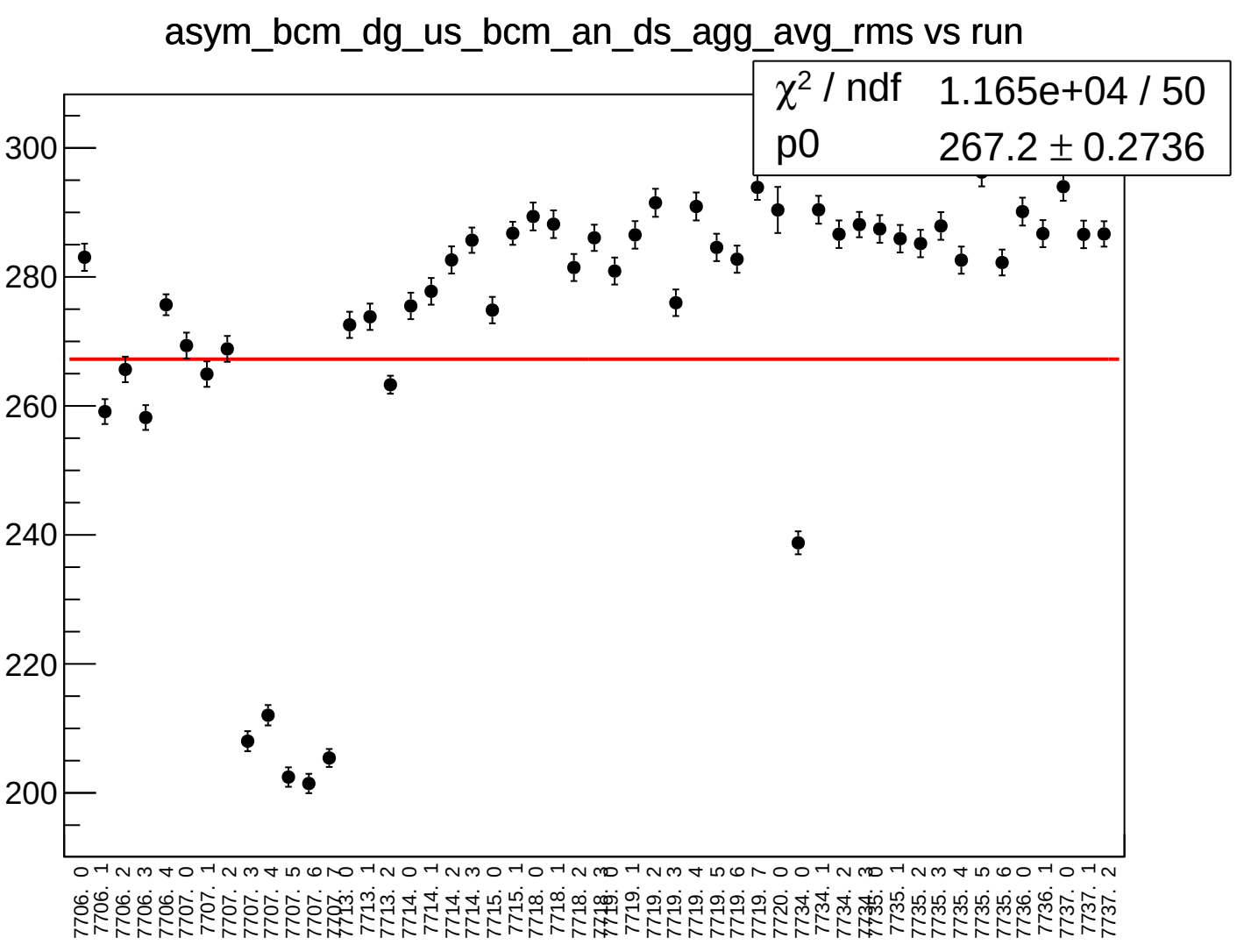

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.209e+04 / 50
p0 267.4 ± 0.2738
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

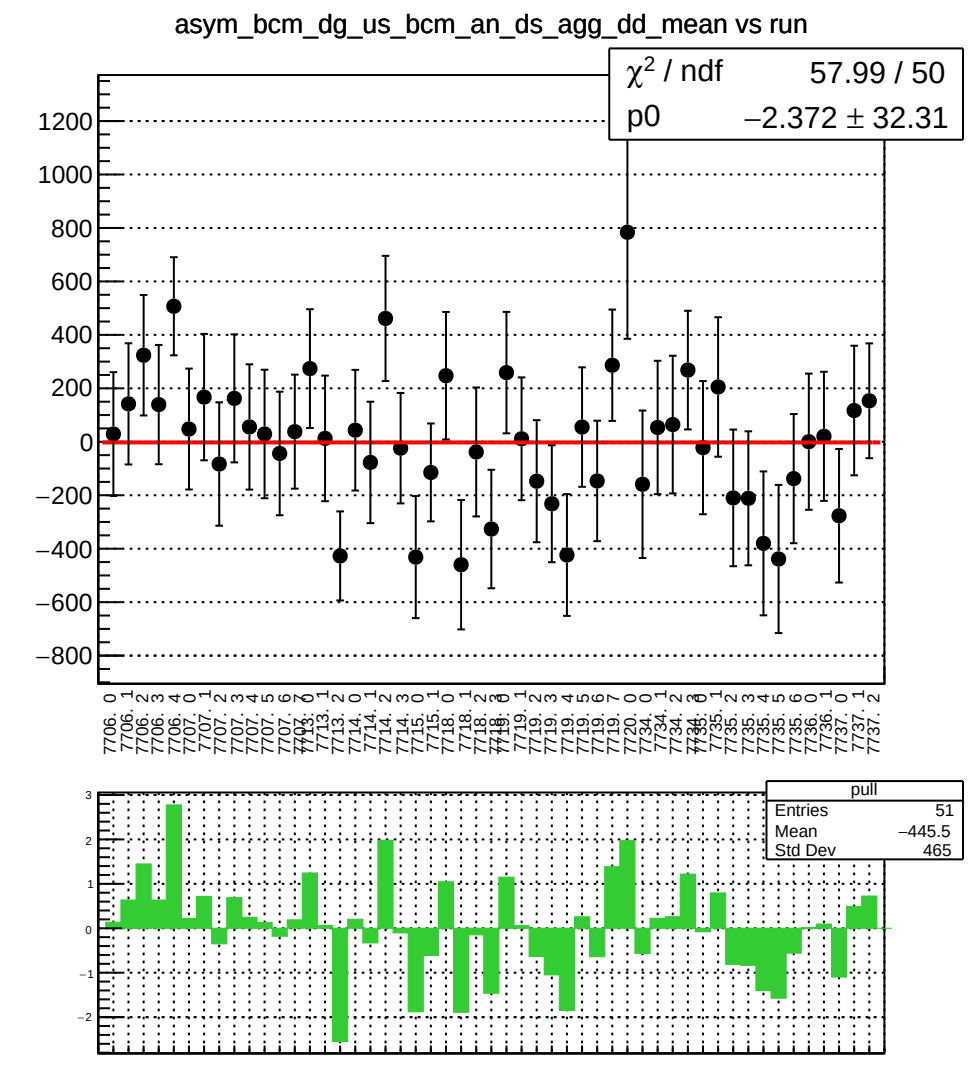

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 48.6 / 50
p0 −2.136 ± 16.24
pull
Entries 51
Mean 44.74
Std Dev 21.26
pull1D
Entries 51
Mean −0.03282
Std Dev 0.9756

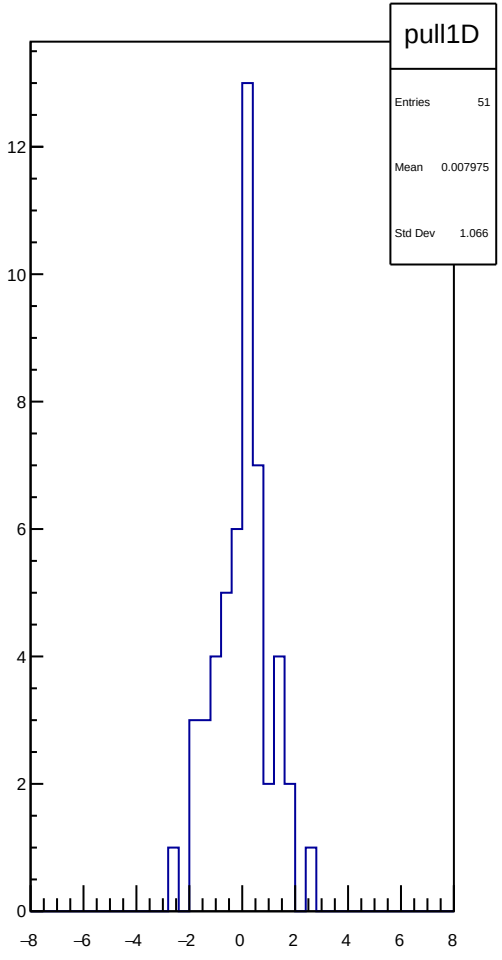

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.644e+04 / 50
p0 11.19 ± 0.01148
17
16
15
14
13
12
11
10
9
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

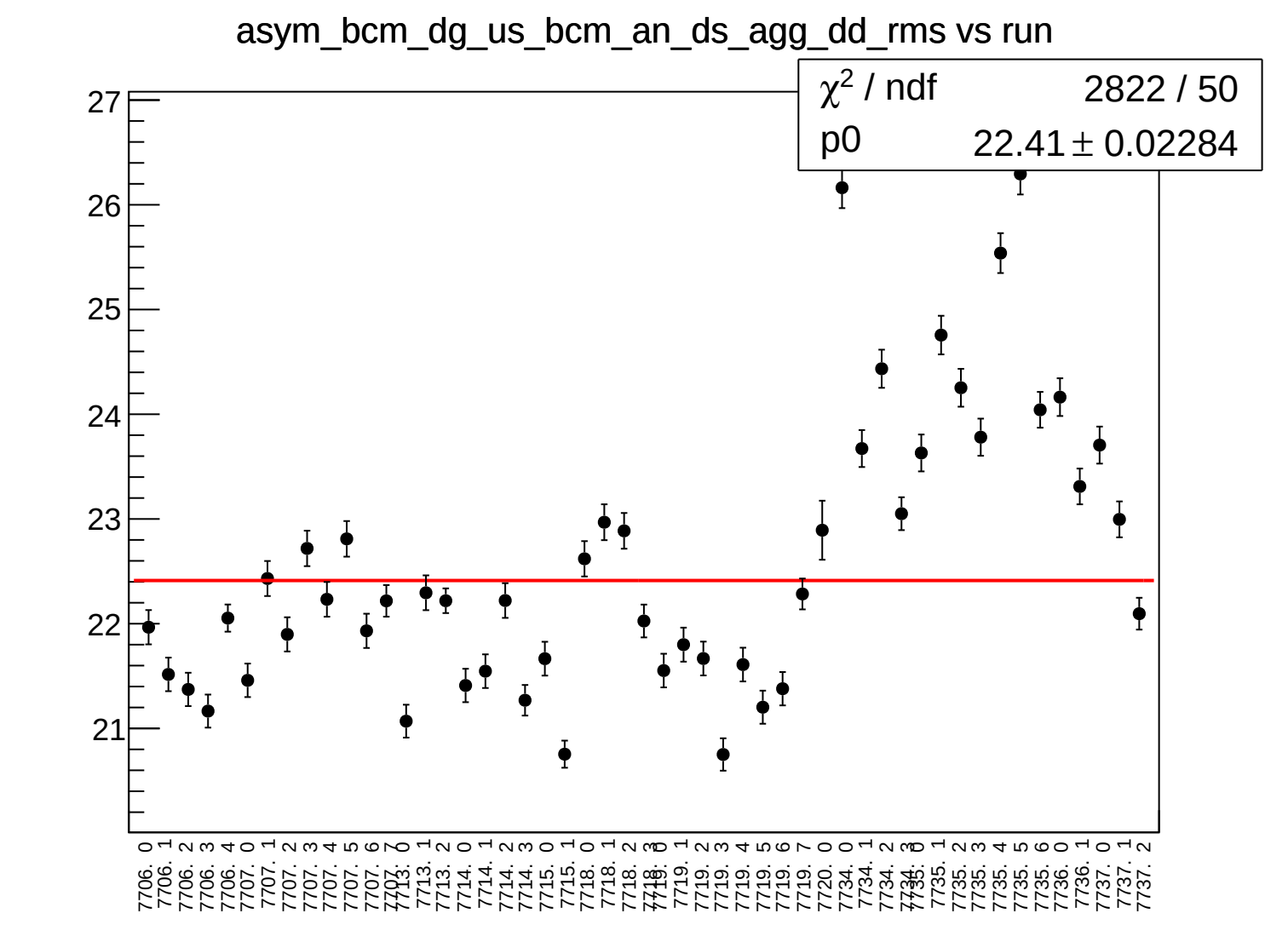

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.3 / 50
p0 −461.4 ± 387
pull
Entries 51
Mean 161.7
Std Dev 135.6

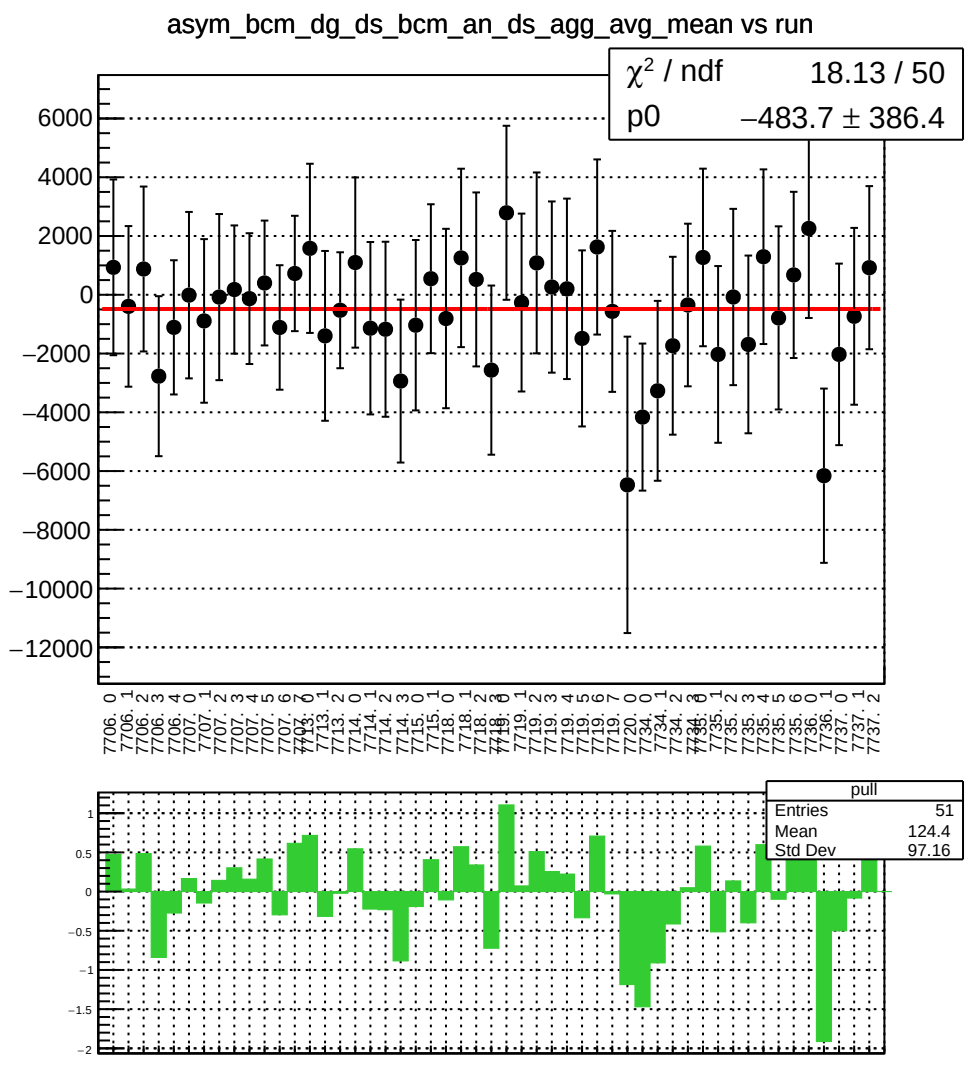

pull1D
Entries 51
Mean −0.01072
Std Dev 0.599

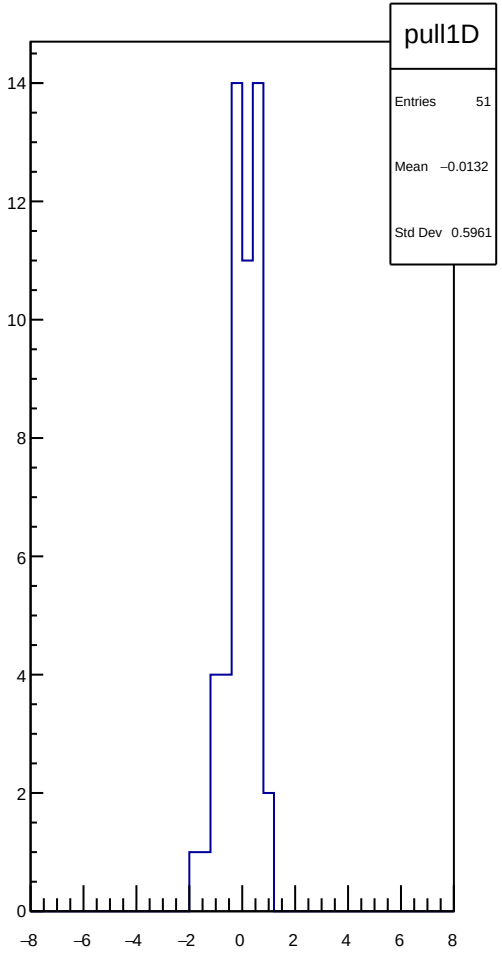

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.165e+04 / 50
p0 267.2 ± 0.2736
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

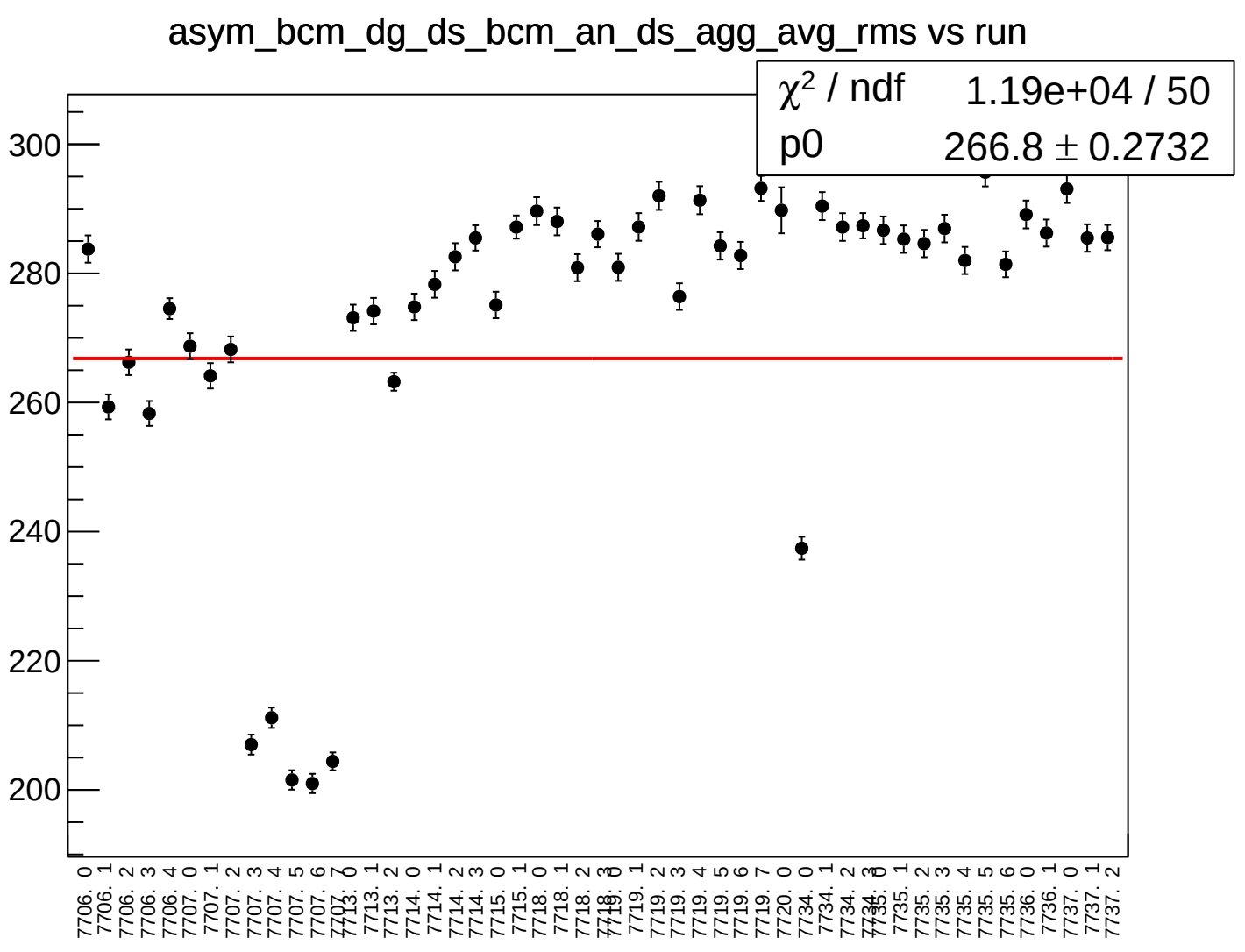

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 57.99 / 50
p0 −2.372 ± 32.31
pull
Entries 51
Mean −445.5
Std Dev 465


pull1D
Entries 51
Mean 0.007975
Std Dev 1.066


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2822 / 50
p0 22.41 ± 0.02284
27
26
25
24
23
22
21
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.13 / 50
p0 −483.7 ± 386.4
pull
Entries 51
Mean 124.4
Std Dev 97.16


pull1D
Entries 51
Mean −0.0132
Std Dev 0.5961


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.19e+04 / 50
p0 266.8 ± 0.2732
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
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7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
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7734. 2
7735. 0
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7735. 2
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7735. 4
7735. 5
7735. 6
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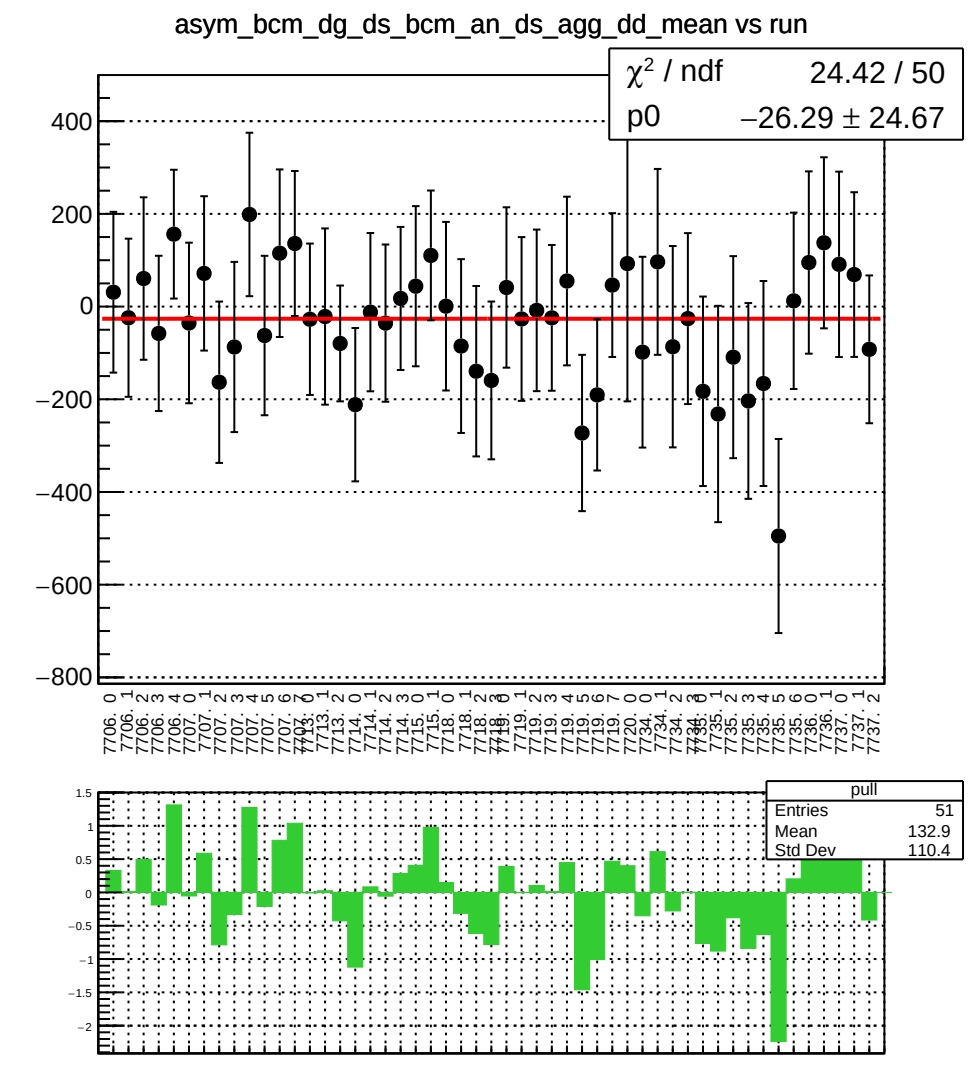
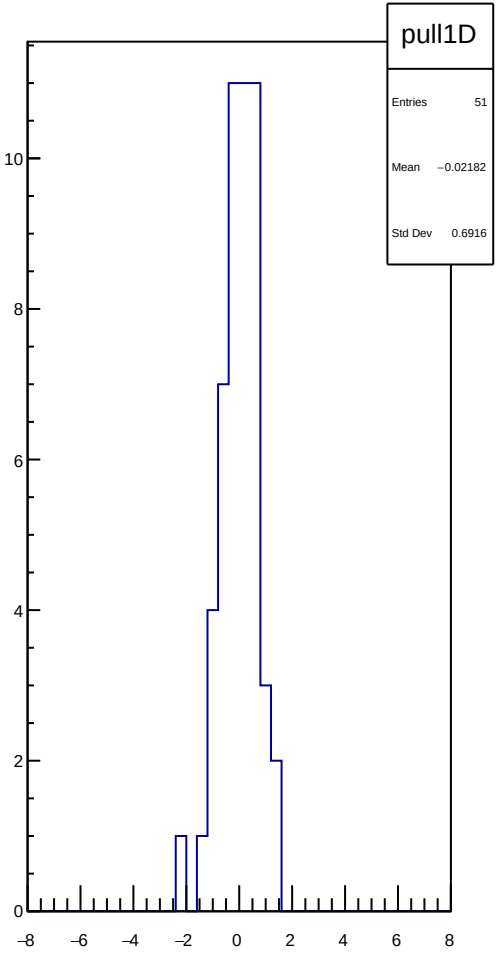
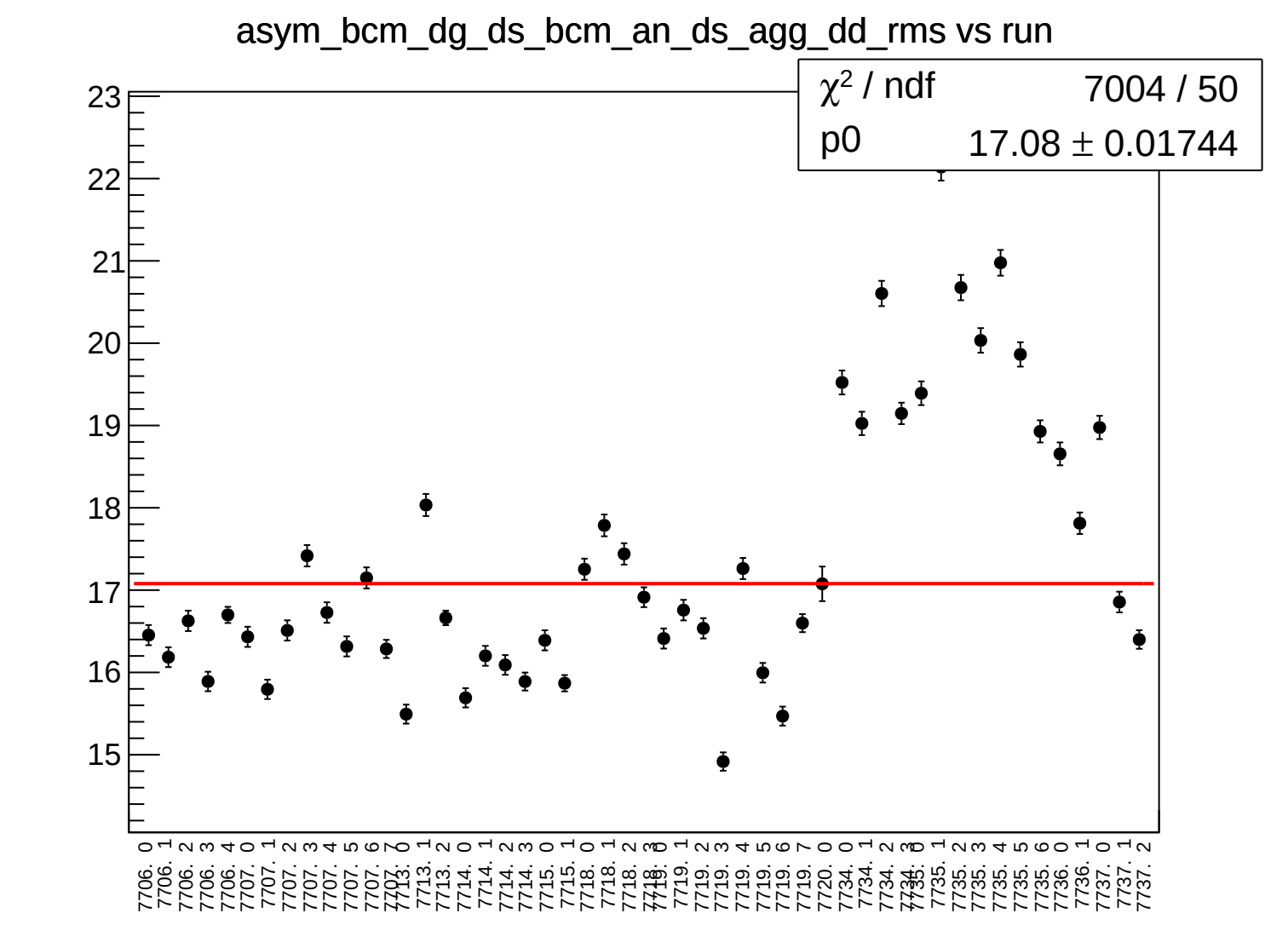
7737. 0
7737. 1
7737. 2


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 24.42 / 50
p0 −26.29 ± 24.67
pull
Entries 51
Mean 132.9
Std Dev 110.4


pull1D
Entries 51
Mean −0.02182
Std Dev 0.6916


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 7004 / 50
p0 17.08 ± 0.01744
23
22
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20
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18
17
16
15
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
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7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
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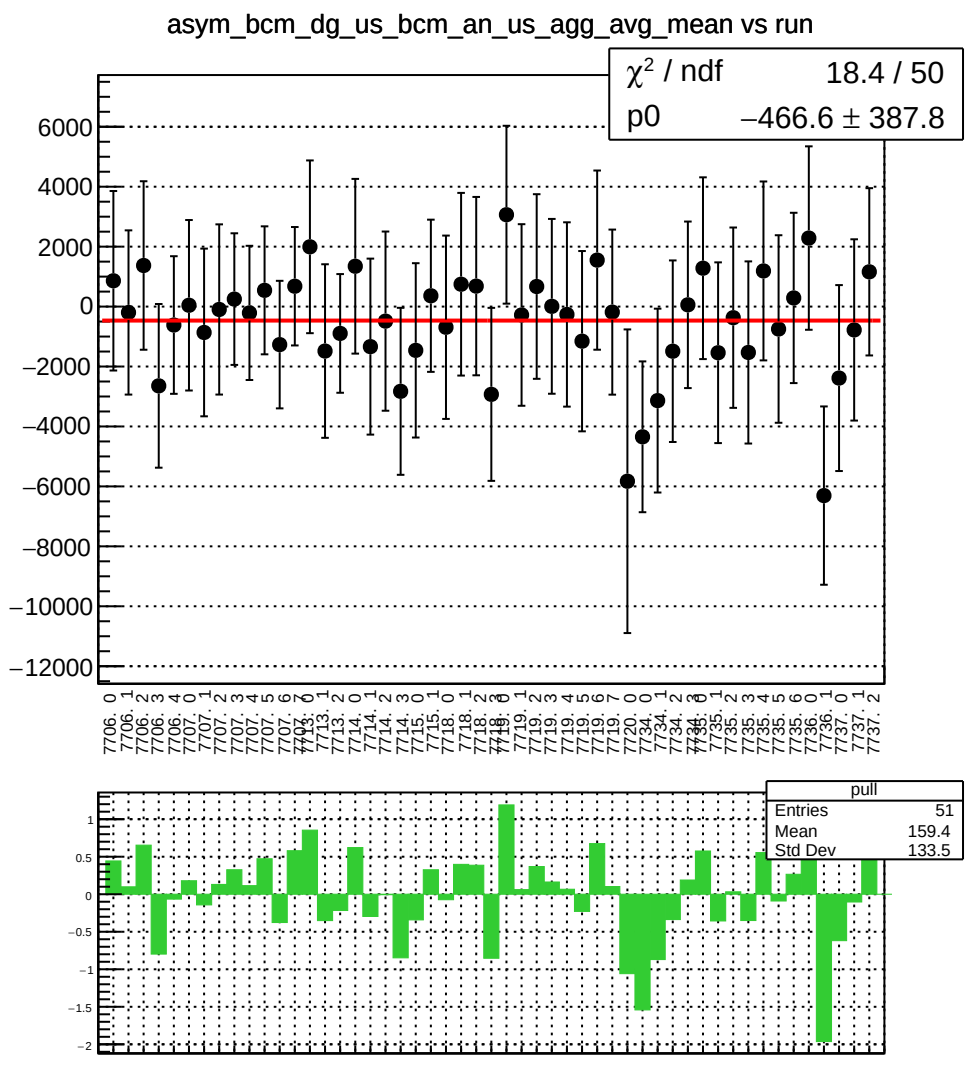
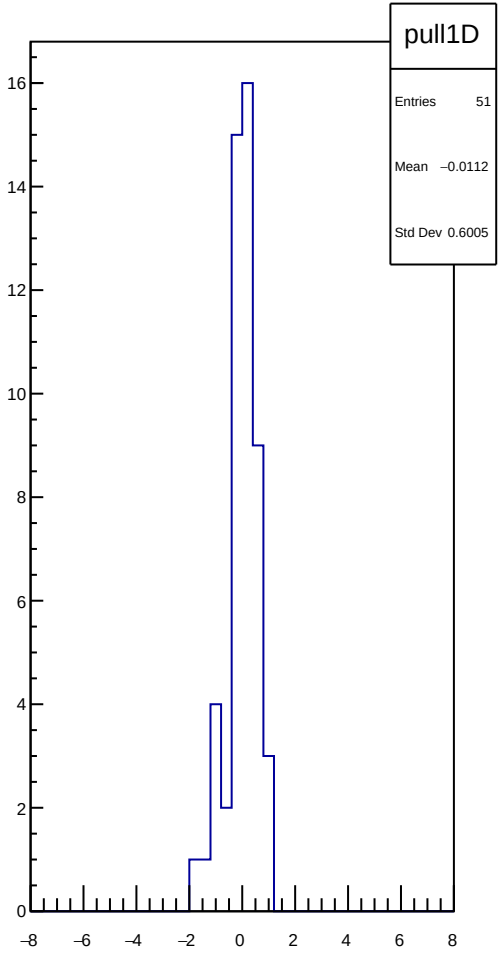
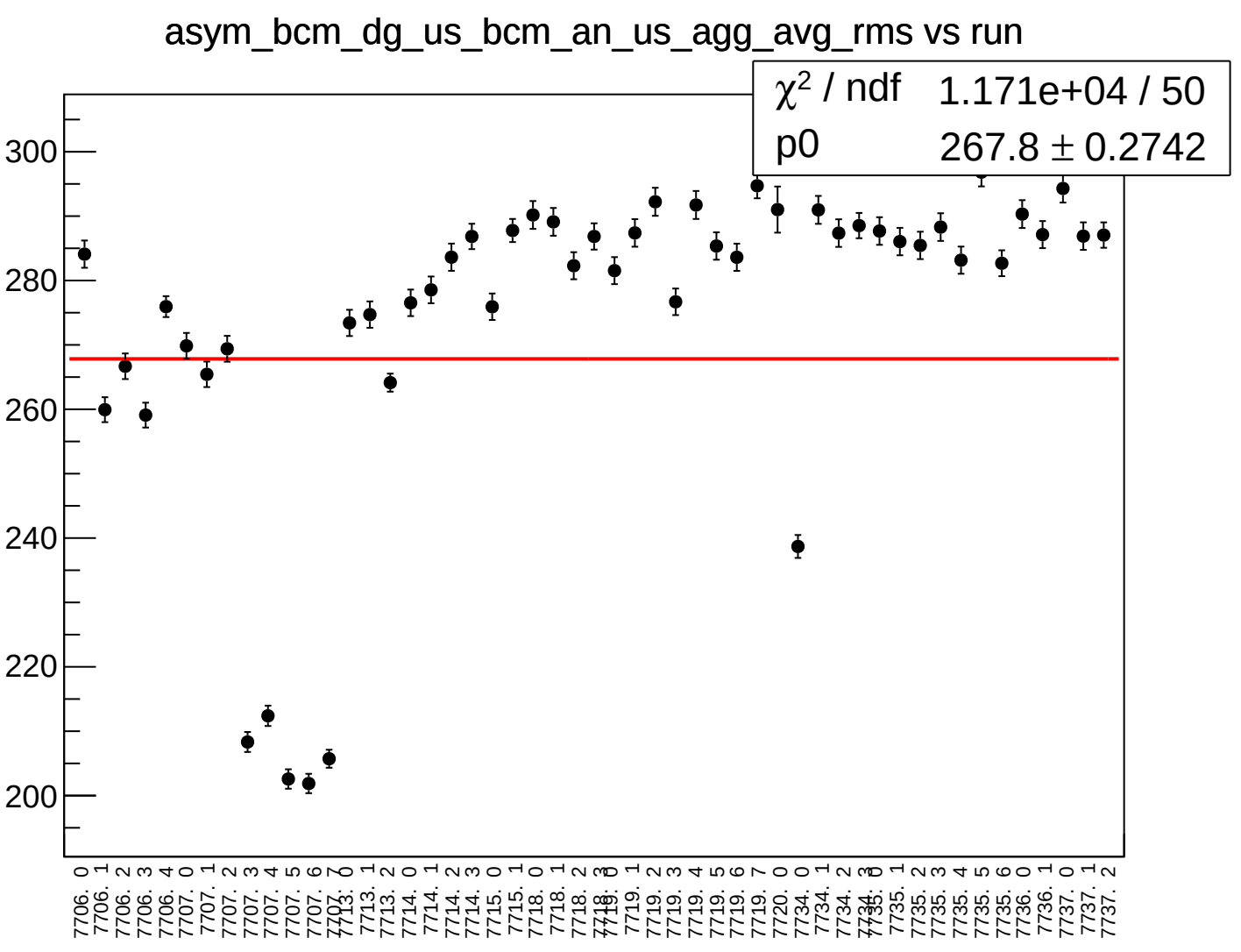
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 18.4 / 50
p0 −466.6 ± 387.8
pull
Entries 51
Mean 159.4
Std Dev 133.5


pull1D
Entries 51
Mean −0.0112
Std Dev 0.6005


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.171e+04 / 50
p0 267.8 ± 0.2742
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
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7714. 3
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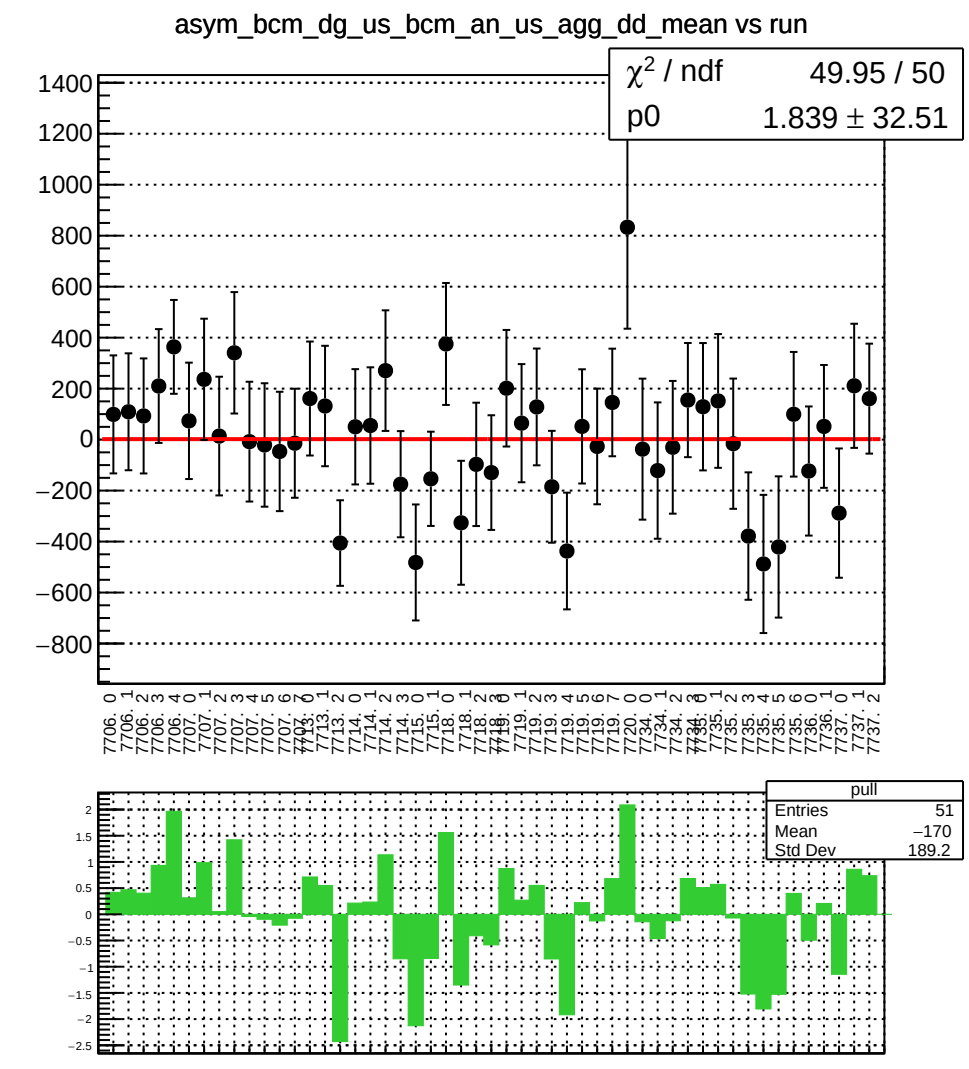
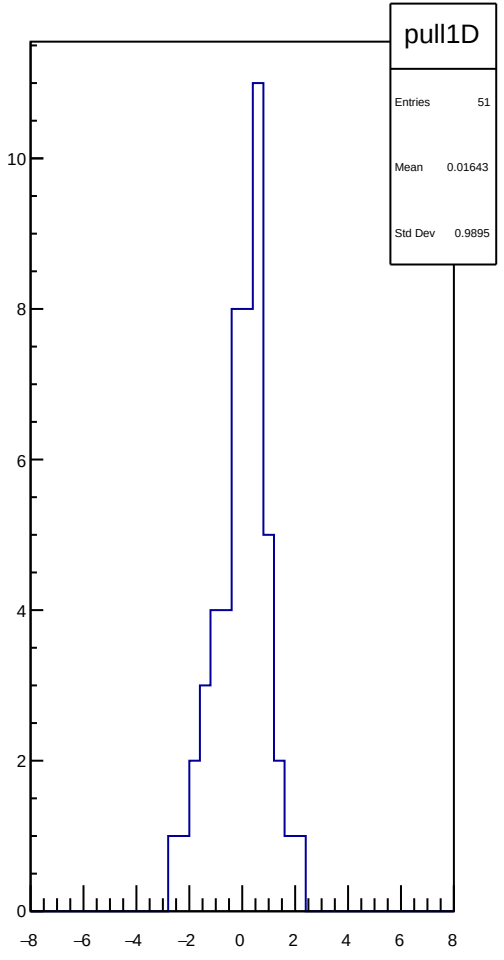
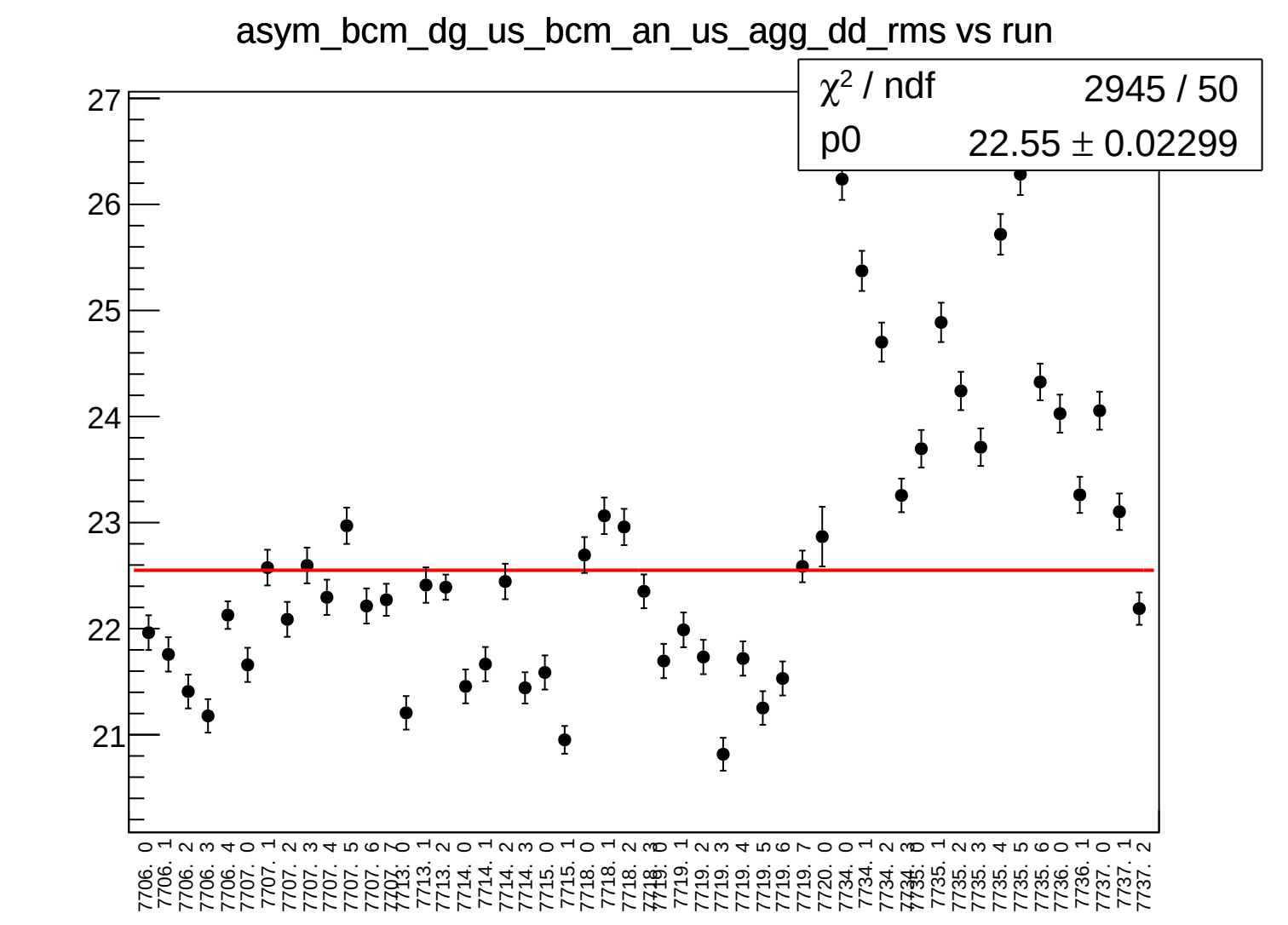
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 49.95 / 50
p0 1.839 ± 32.51
pull
Entries 51
Mean −170
Std Dev 189.2


pull1D
Entries 51
Mean 0.01643
Std Dev 0.9895


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2945 / 50
p0 22.55 ± 0.02299
27
26
25
24
23
22
21
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
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7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
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7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
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7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
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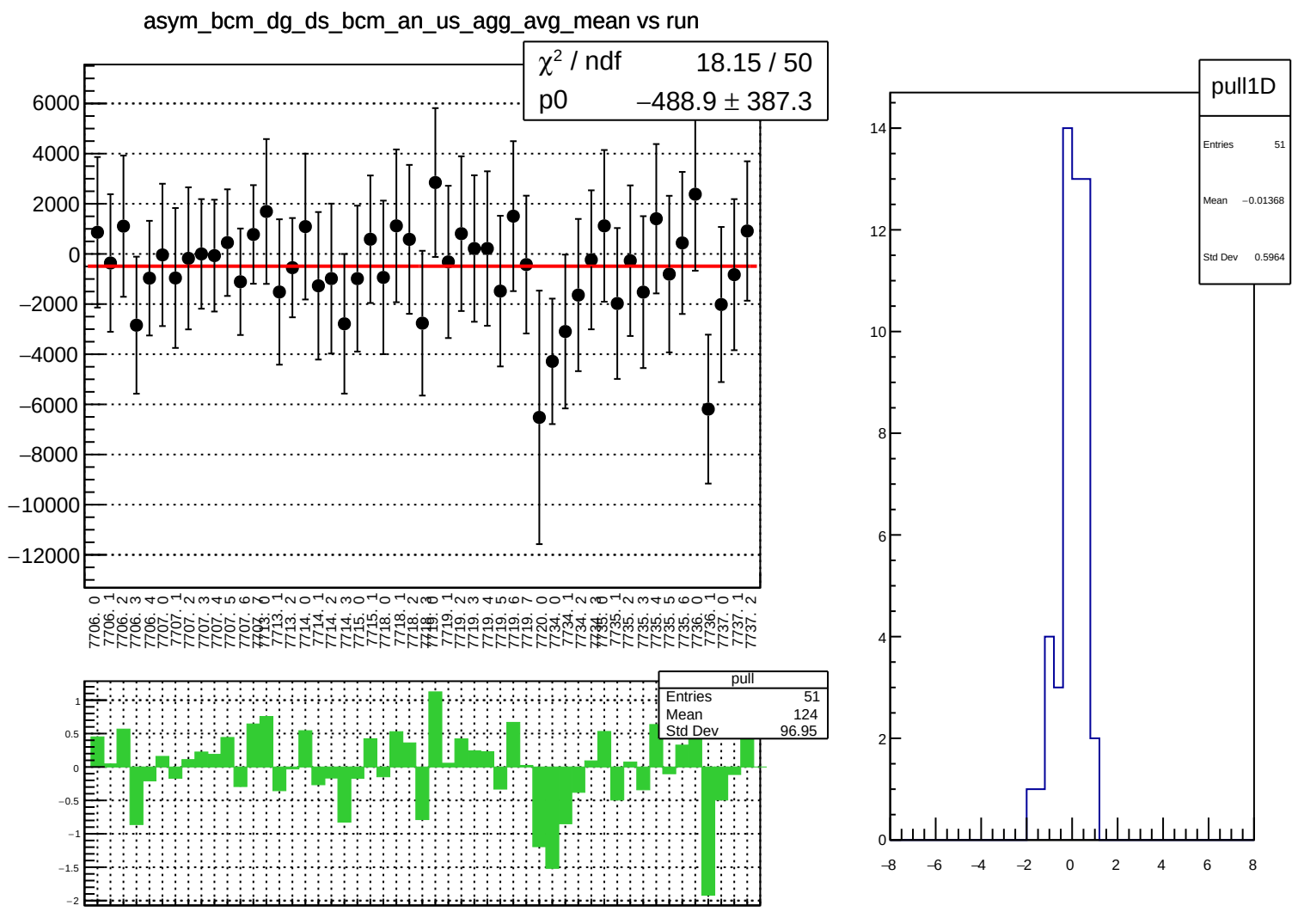
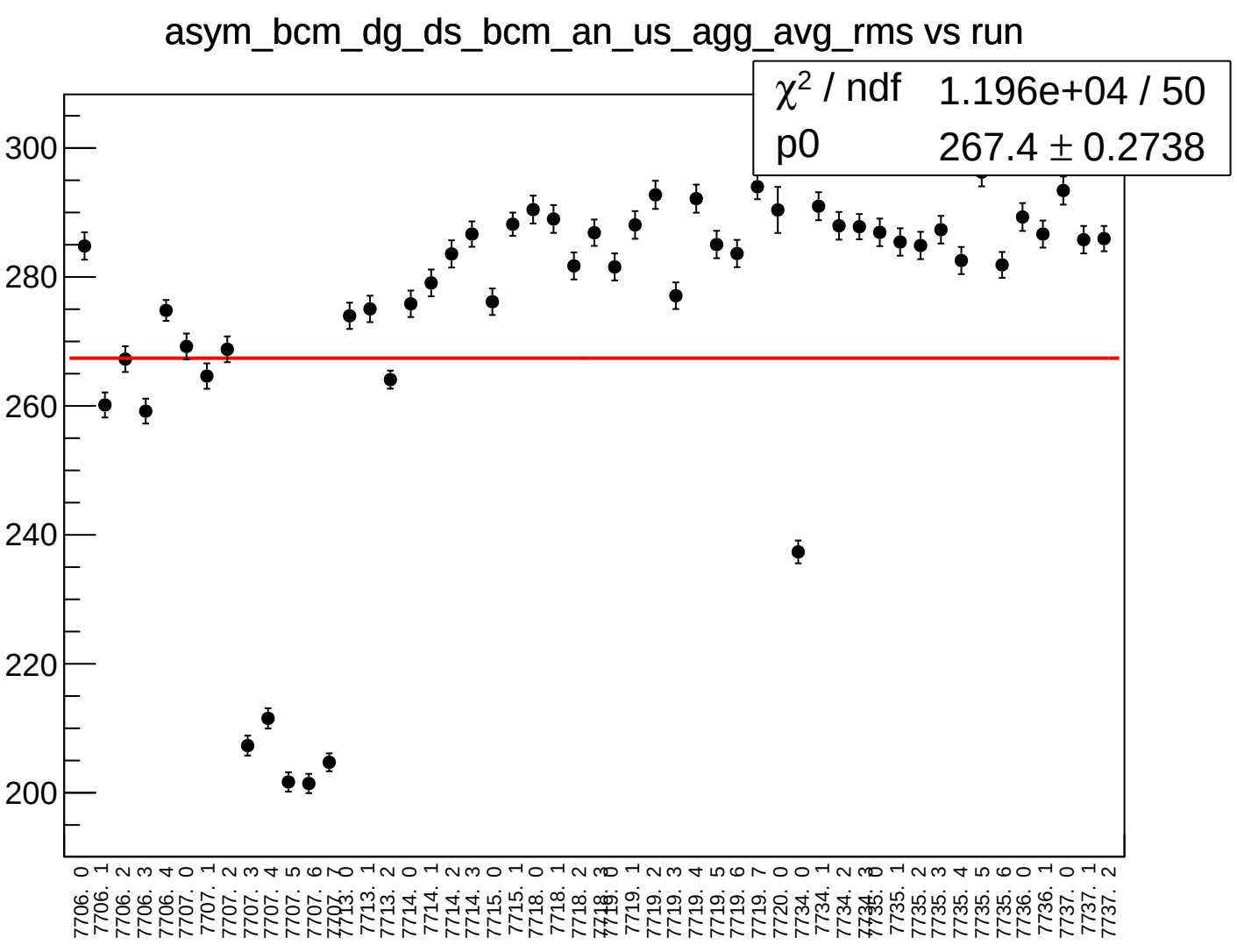
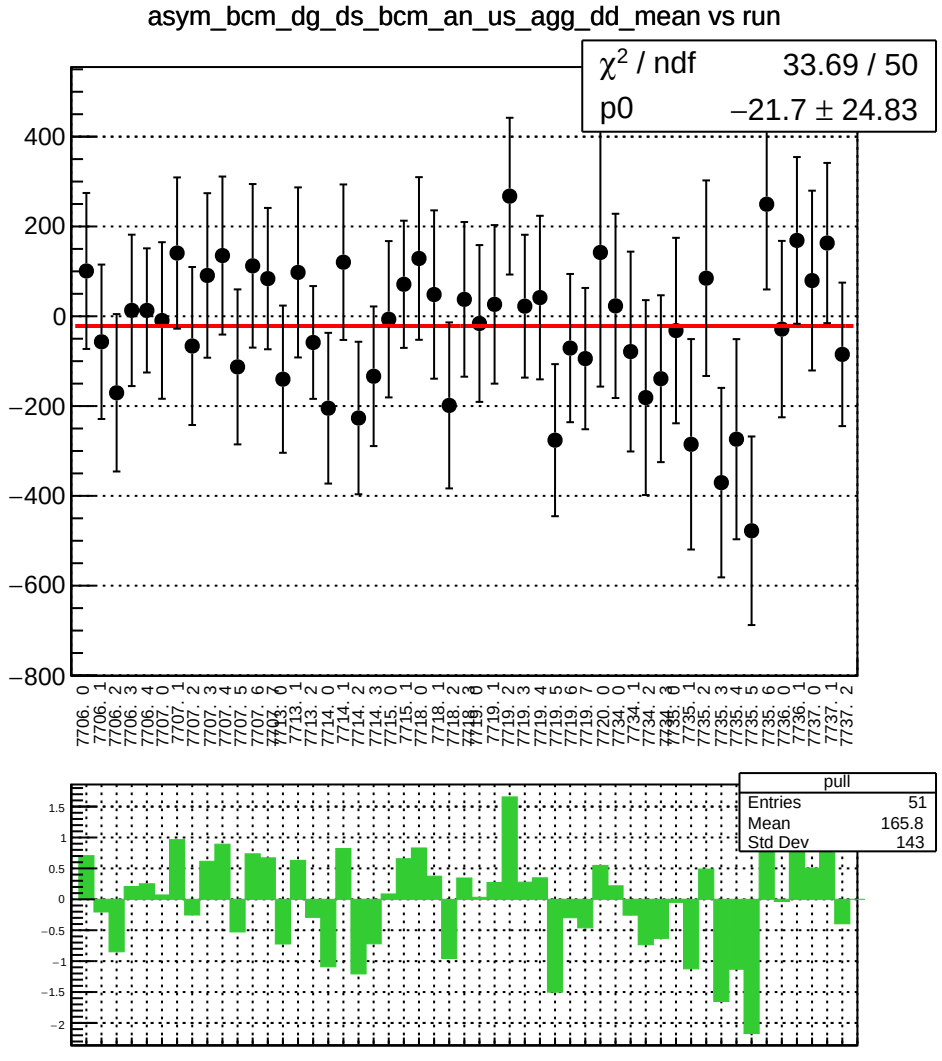
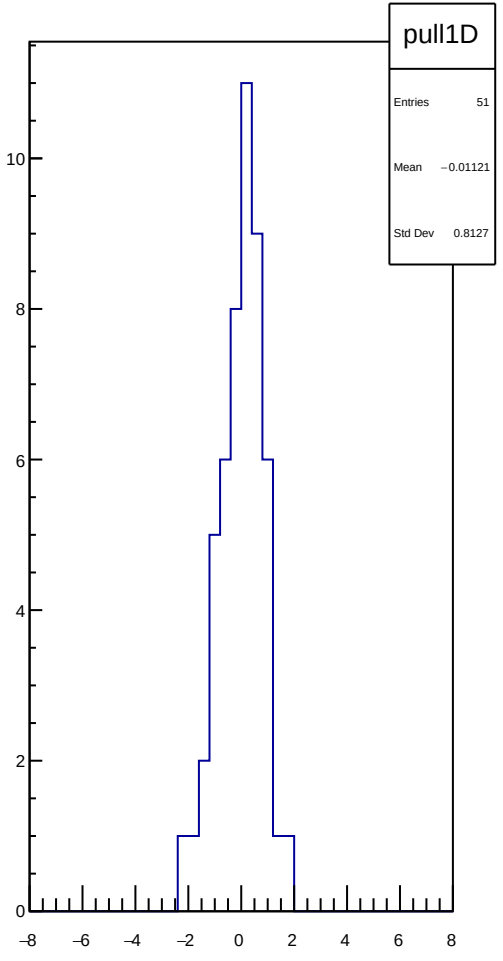
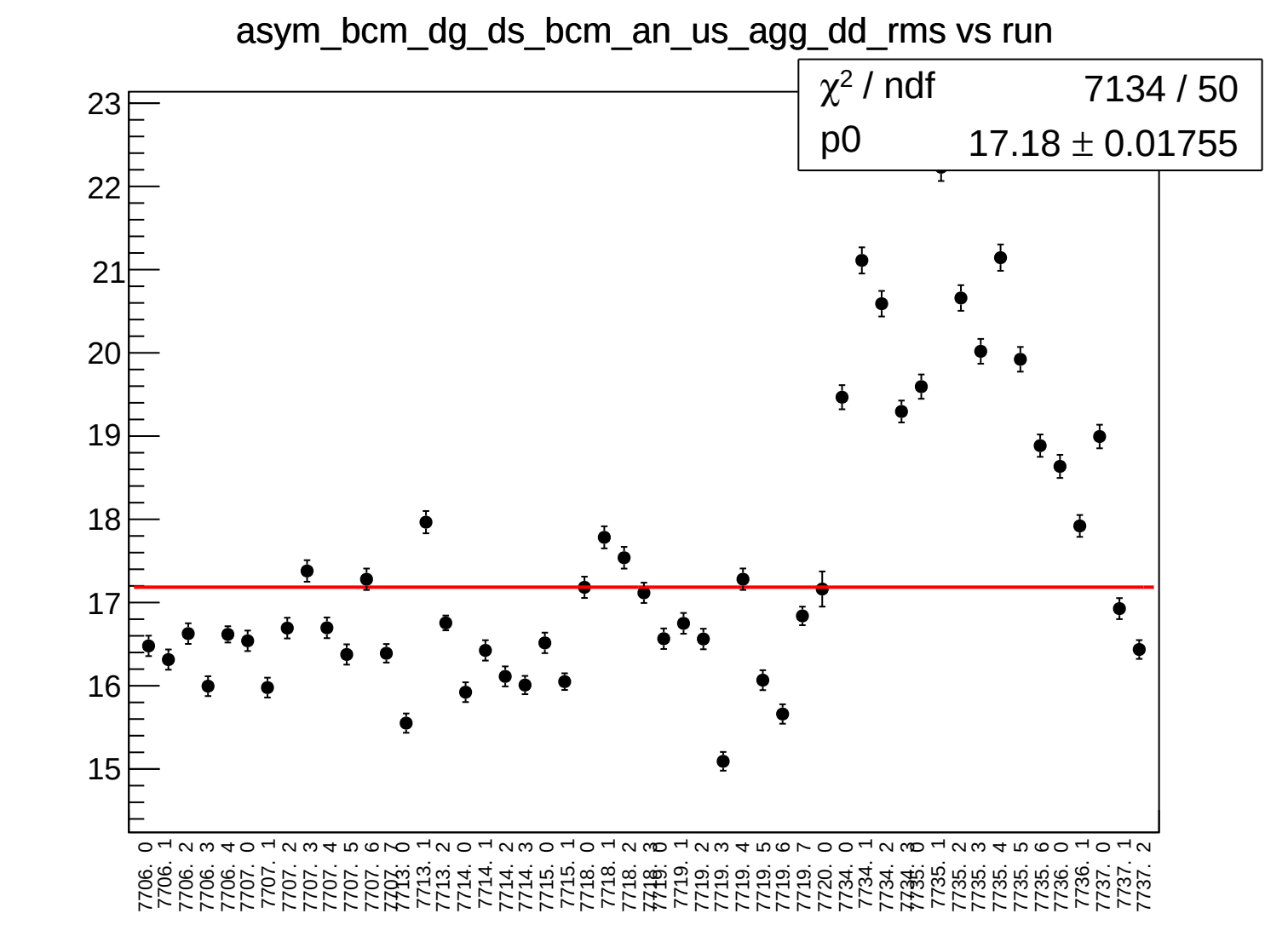
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

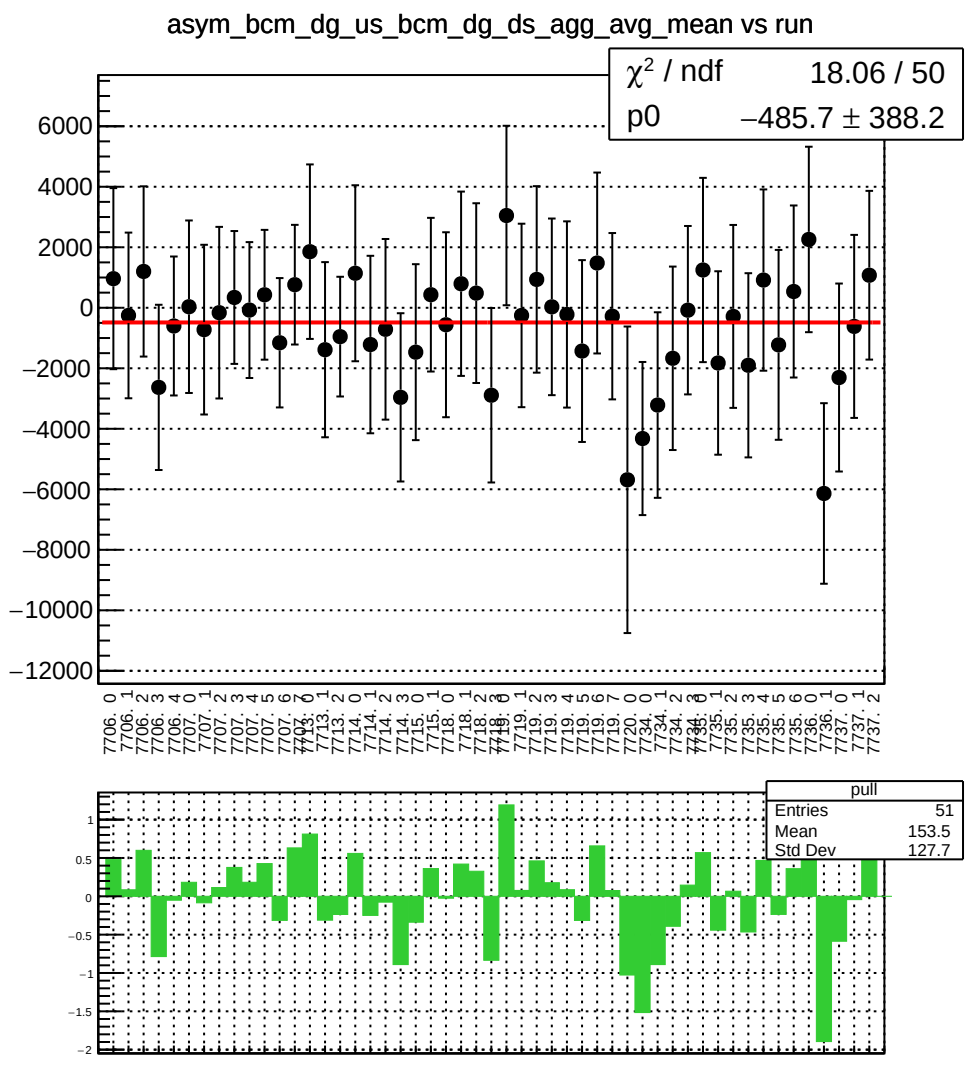

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 18.15 / 50
p0 −488.9 ± 387.3
pull
Entries 51
Mean 124
Std Dev 96.95
pull1D
Entries 51
Mean −0.01368
Std Dev 0.5964

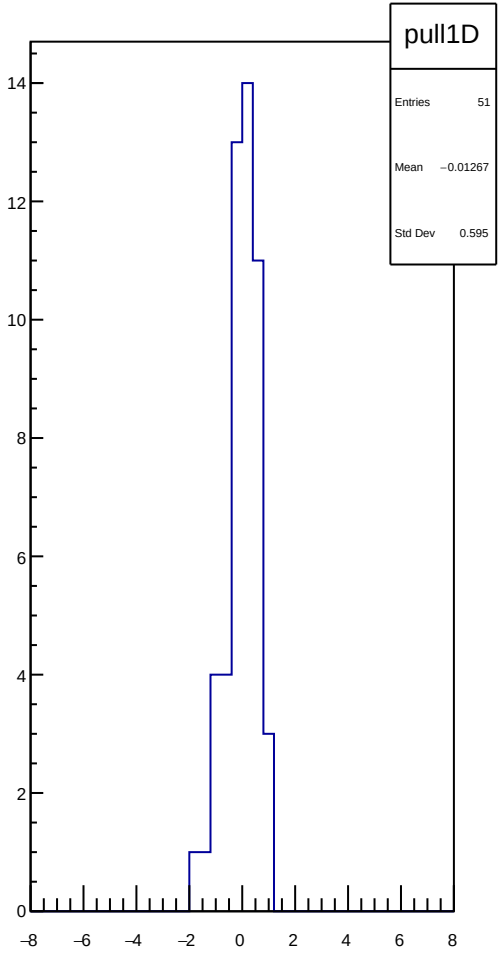

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.196e+04 / 50
p0 267.4 ± 0.2738
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

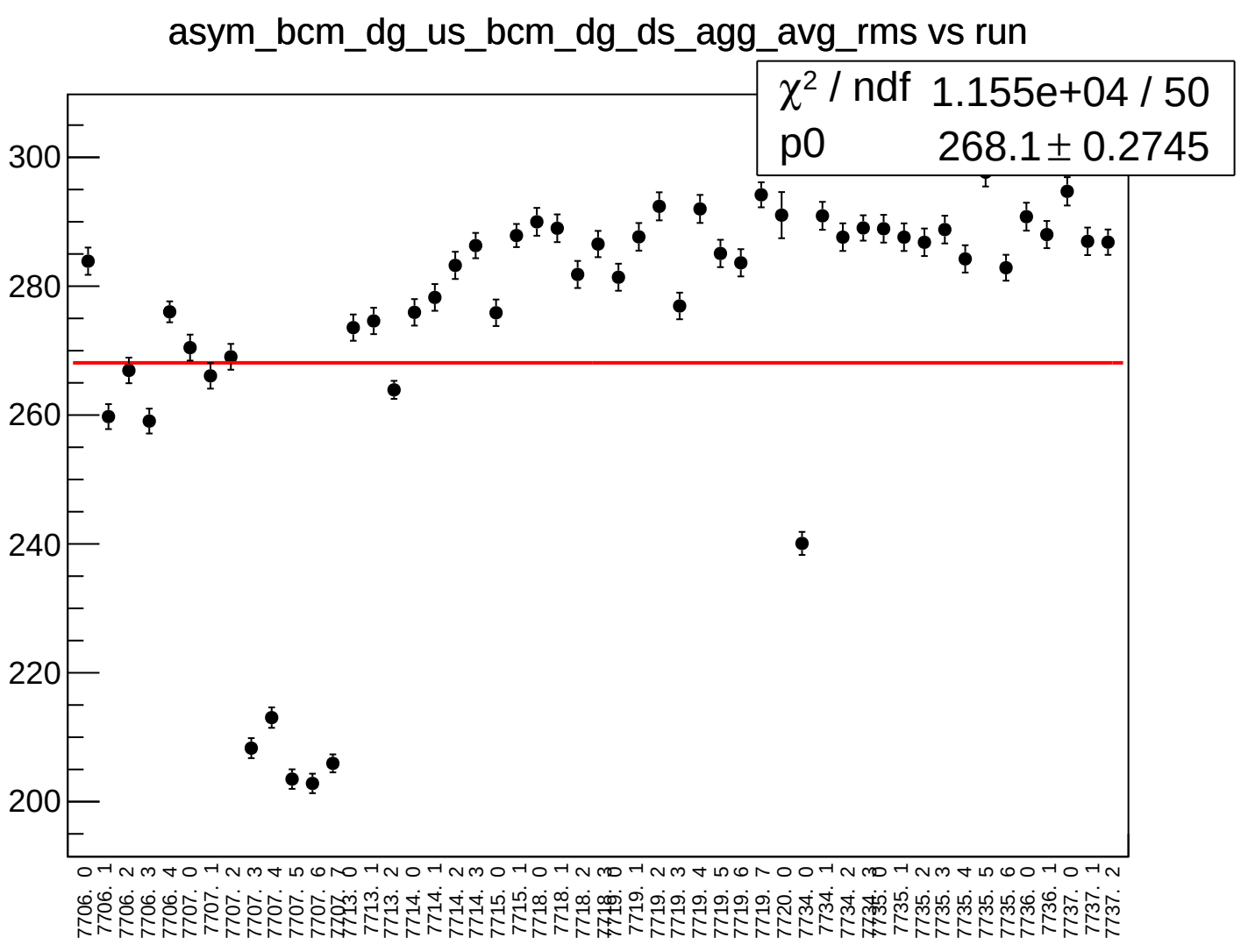

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 33.69 / 50
p0 −21.7 ± 24.83
pull
Entries 51
Mean 165.8
Std Dev 143


pull1D
Entries 51
Mean −0.01121
Std Dev 0.8127


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 7134 / 50
p0 17.18 ± 0.01755
23
22
21
20
19
18
17
16
15
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 18.06 / 50
p0 −485.7 ± 388.2
pull
Entries 51
Mean 153.5
Std Dev 127.7


pull1D
Entries 51
Mean −0.01267
Std Dev 0.595


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.155e+04 / 50
p0 268.1 ± 0.2745
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
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7714. 3
7715. 0
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7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
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7735. 4
7735. 5
7735. 6
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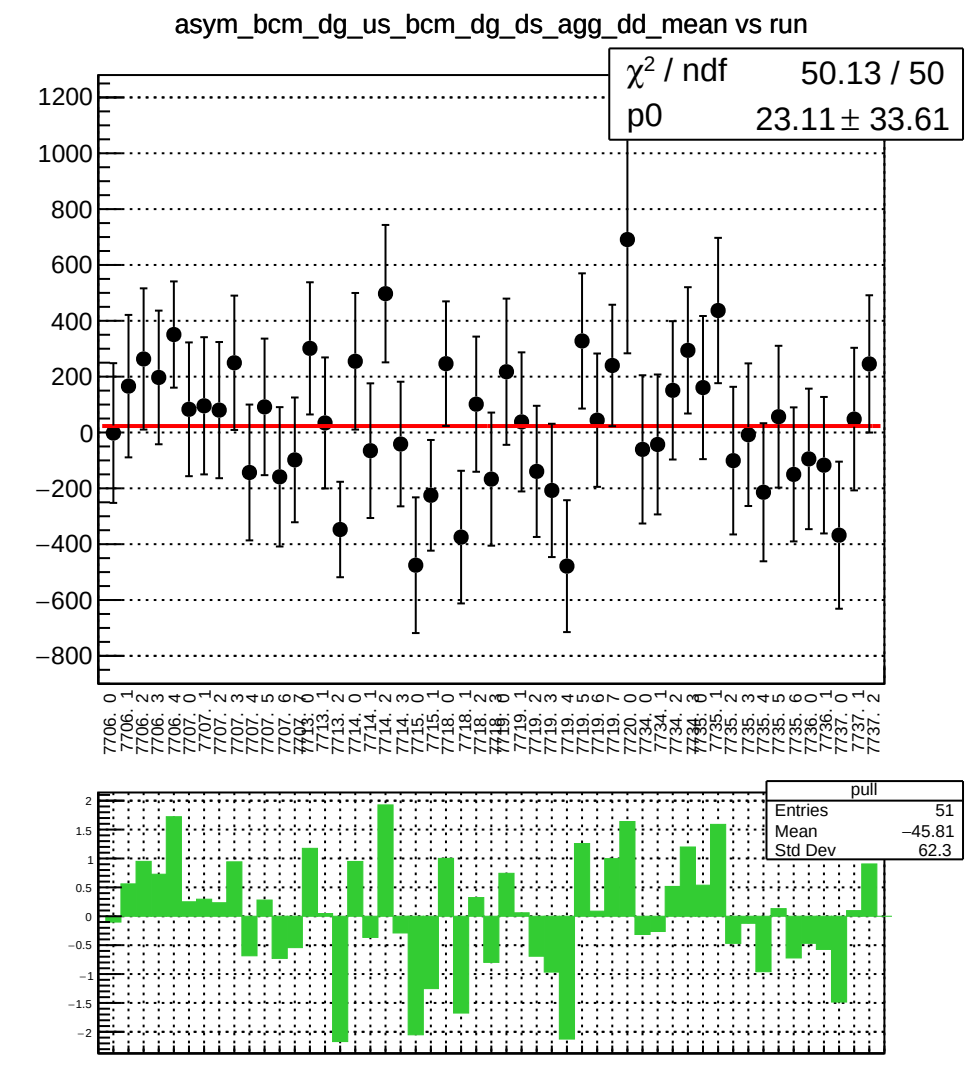
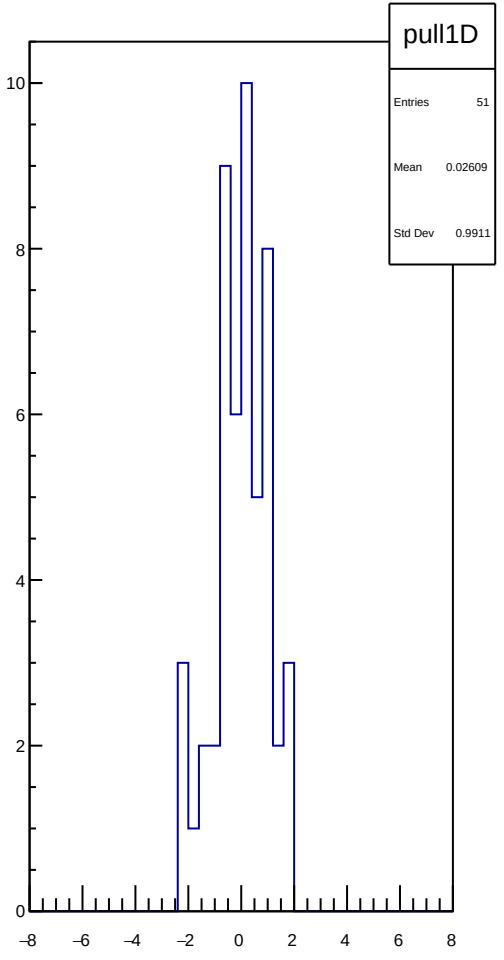
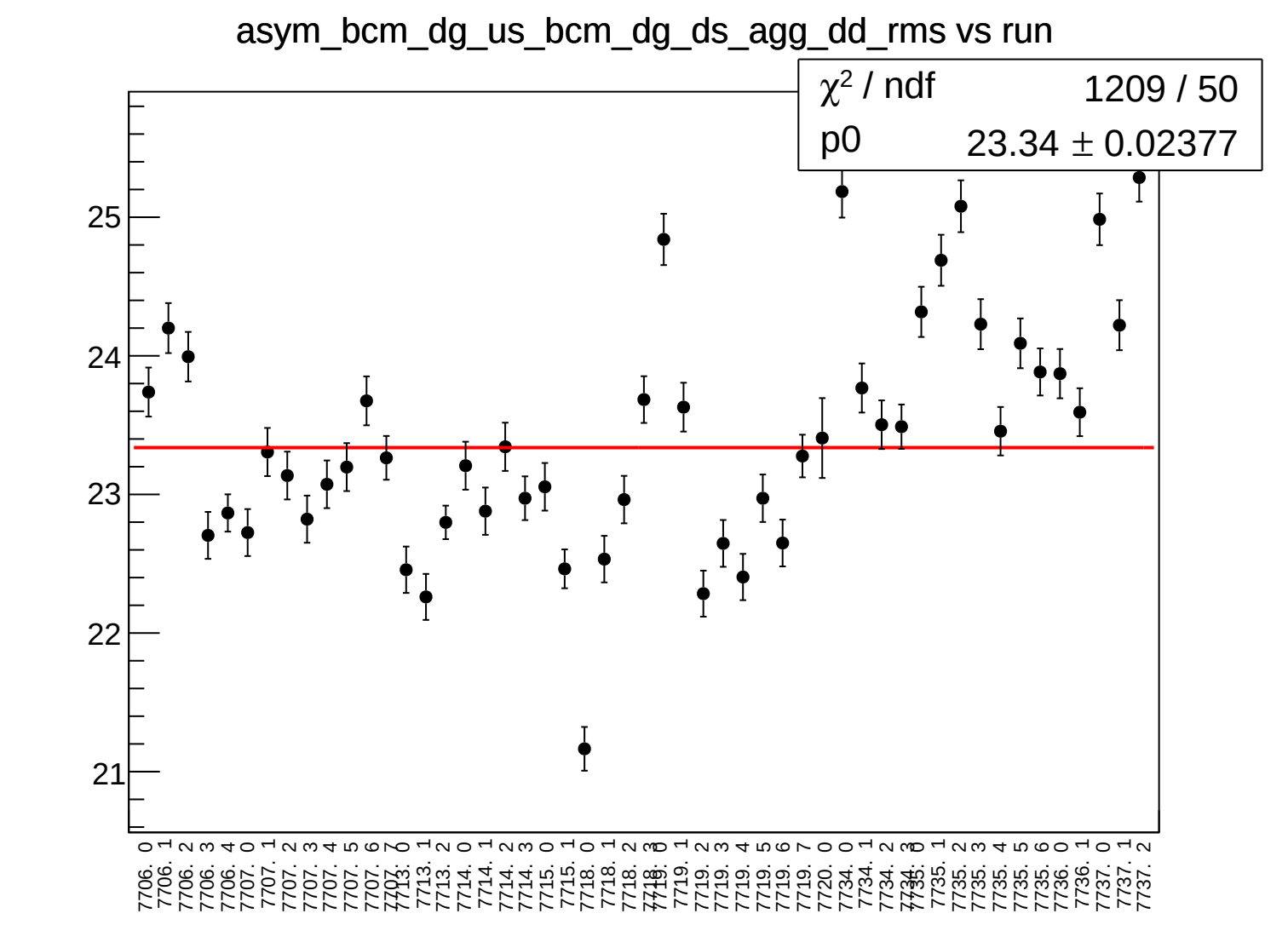
7737. 0
7737. 1
7737. 2


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.13 / 50
p0 23.11 ± 33.61
pull
Entries 51
Mean −45.81
Std Dev 62.3


pull1D
Entries 51
Mean 0.02609
Std Dev 0.9911


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1209 / 50
p0 23.34 ± 0.02377
25
24
23
22
21
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
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7713. 2
7714. 0
7714. 1
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7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
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7735. 4
7735. 5
7735. 6
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7736. 1
7737. 0
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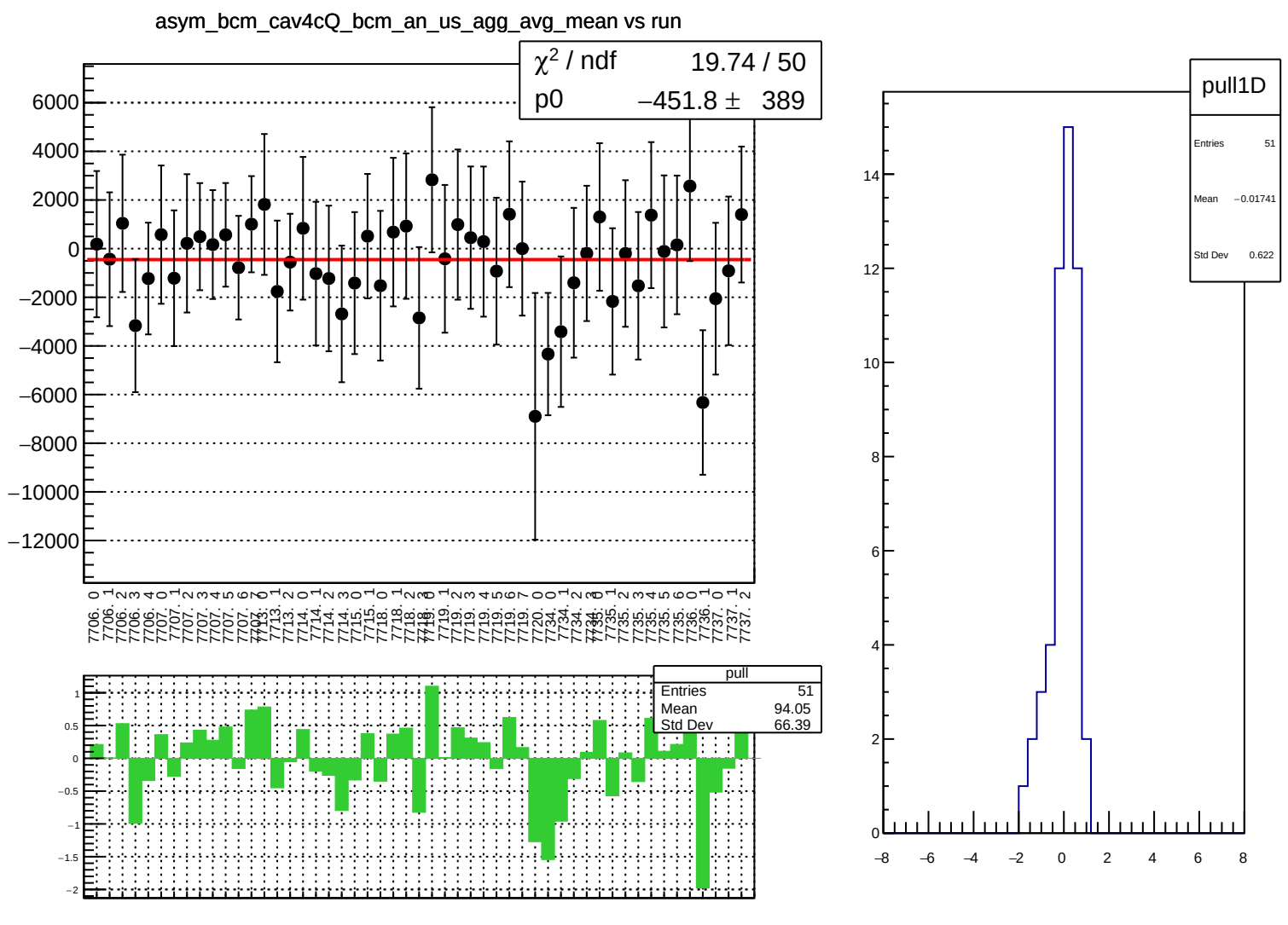
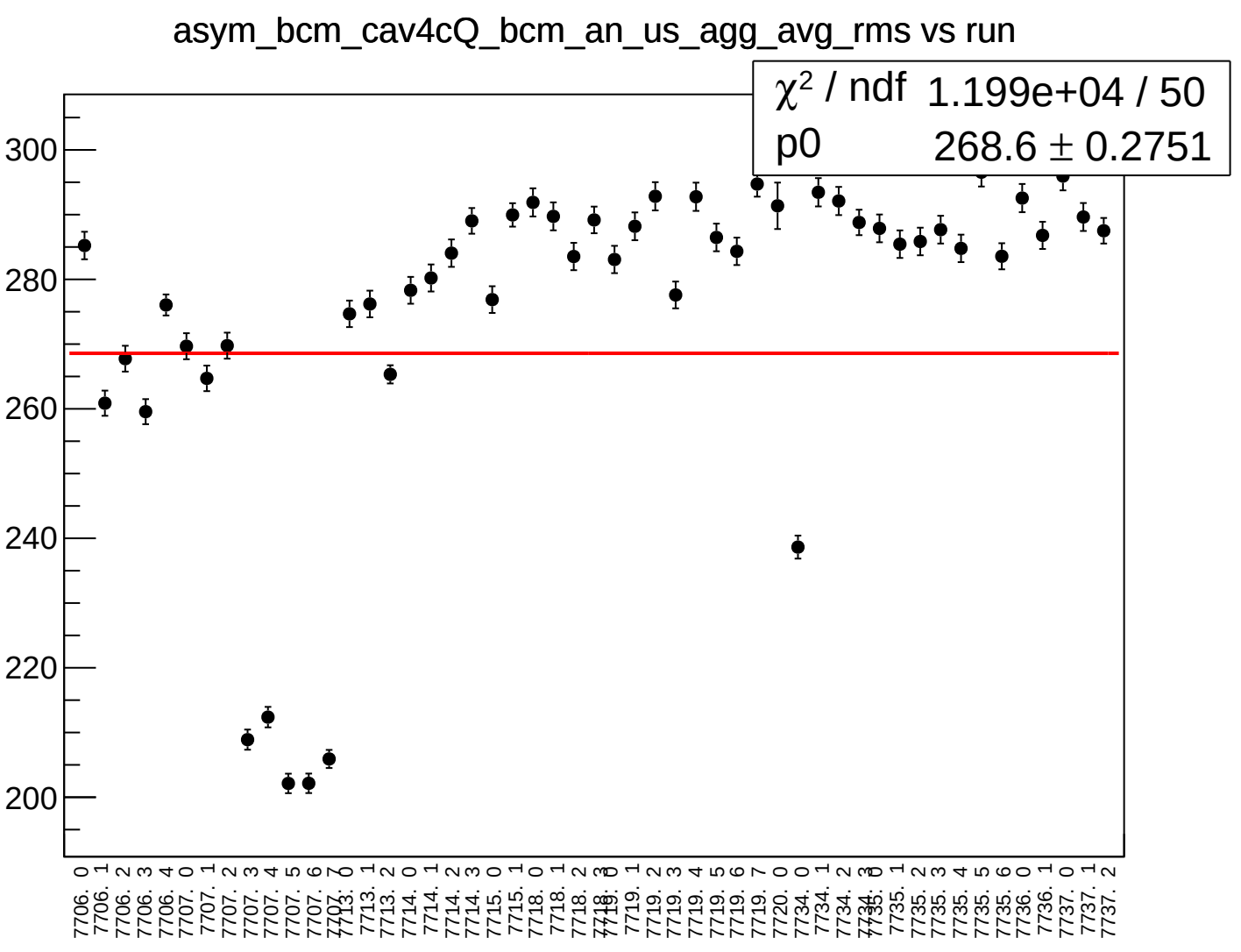
7737. 2


asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 19.74 / 50
p0 −451.8 ± 389
pull
Entries 51
Mean 94.05
Std Dev 66.39
pull1D
Entries 51
Mean −0.01741
Std Dev 0.622


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.199e+04 / 50
p0 268.6 ± 0.2751
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
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7707. 2
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7707. 4
7707. 5
7707. 6
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7718. 2
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7719. 7
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7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
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7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
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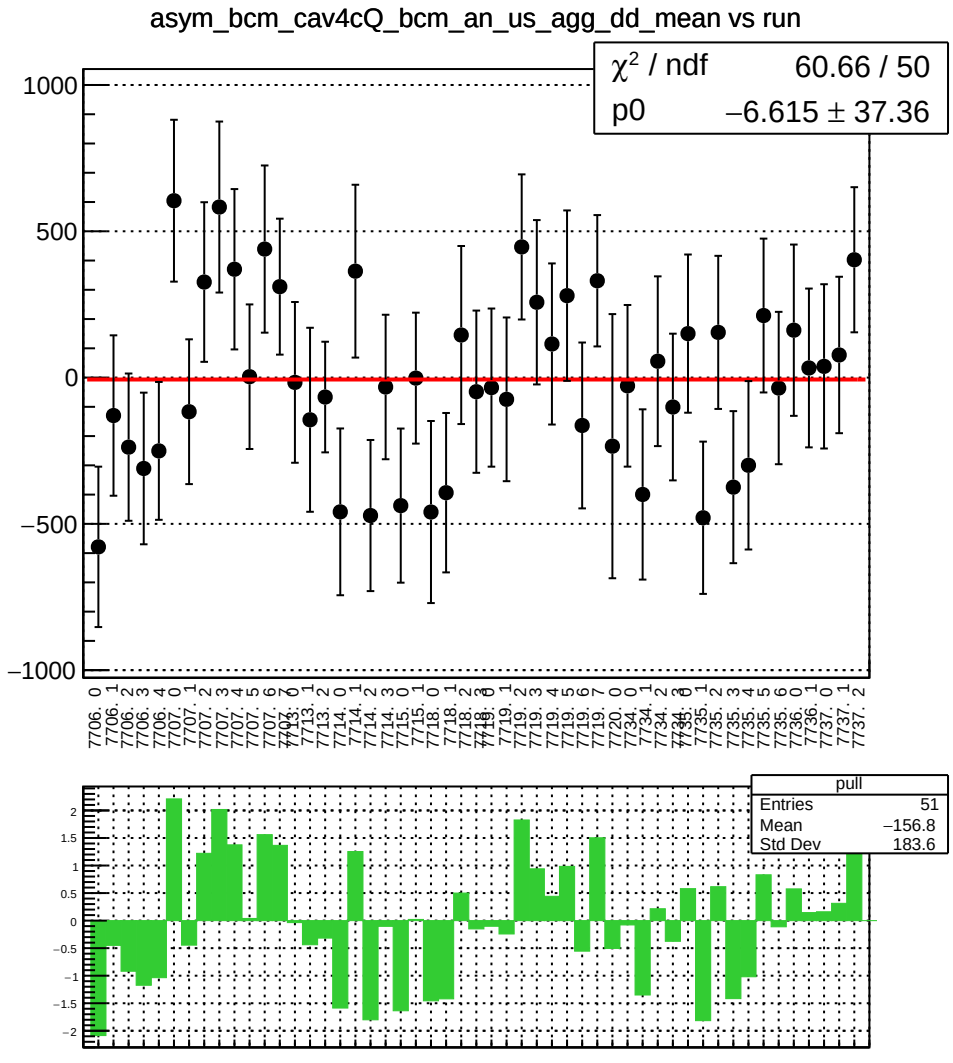
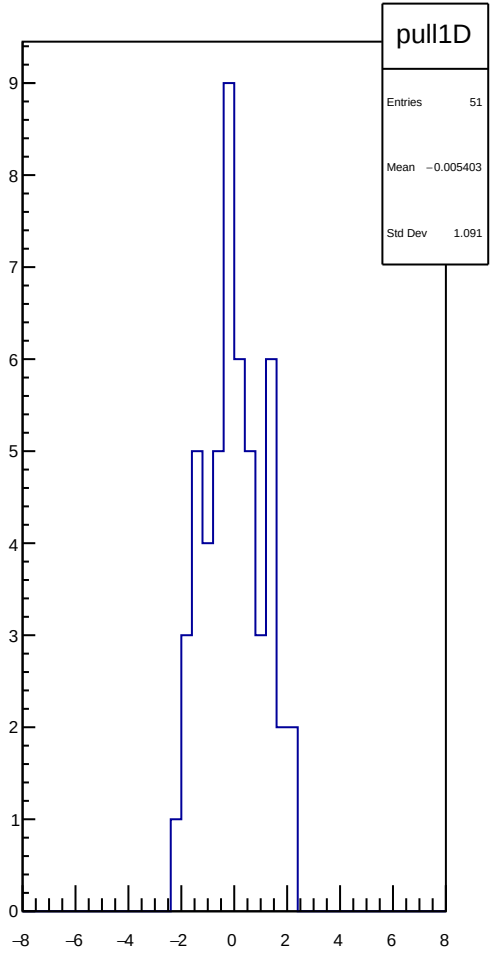
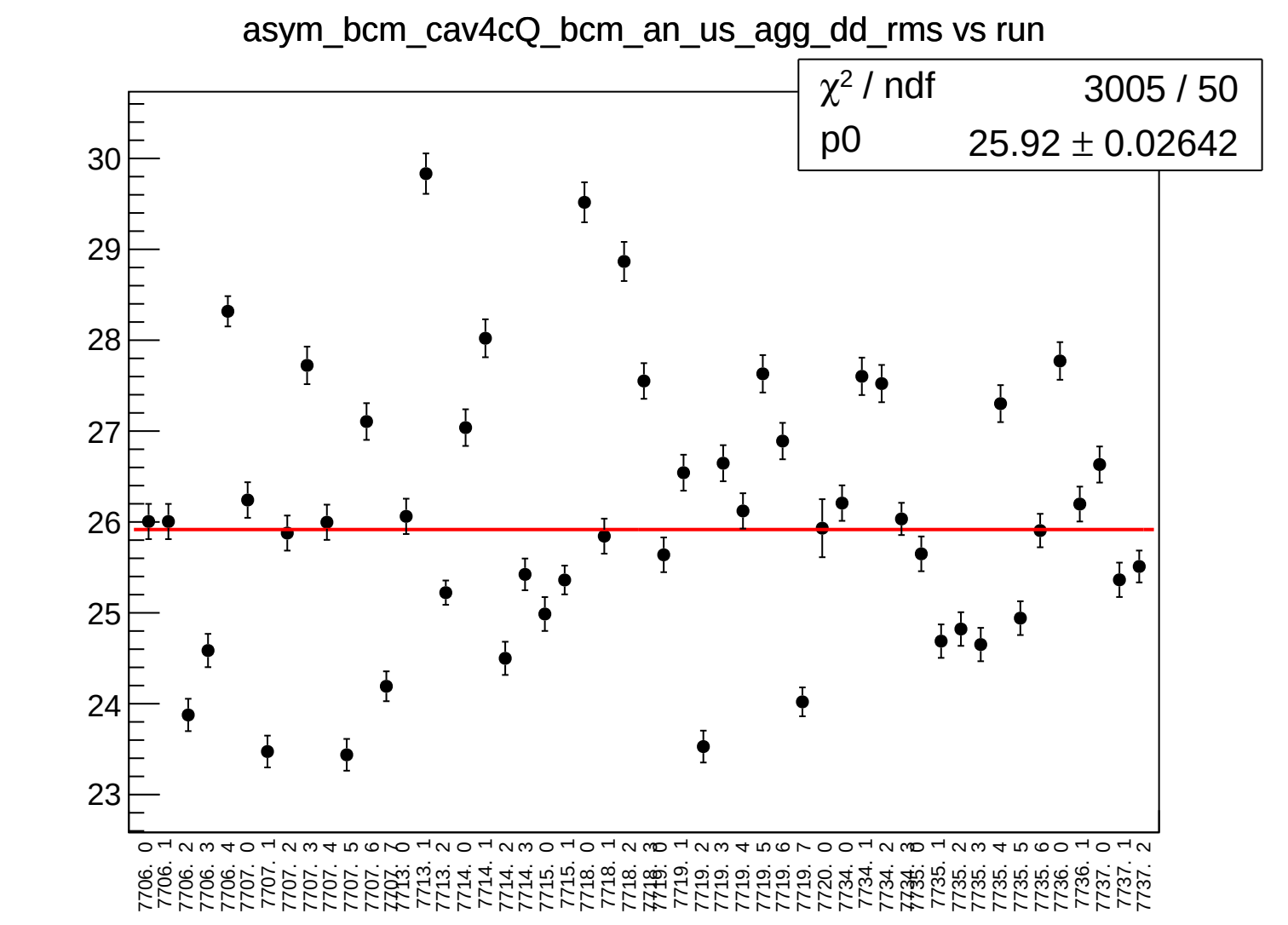
7737. 1
7737. 2


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 60.66 / 50
p0 −6.615 ± 37.36
1000
500
0
−500
−1000
pull
Entries 51
Mean −156.8
Std Dev 183.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 51
Mean −0.005403
Std Dev 1.091
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 3005 / 50
p0 25.92 ± 0.02642
30
29
28
27
26
25
24
23
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
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7714. 3
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7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
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7735. 4
7735. 5
7735. 6
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7736. 1
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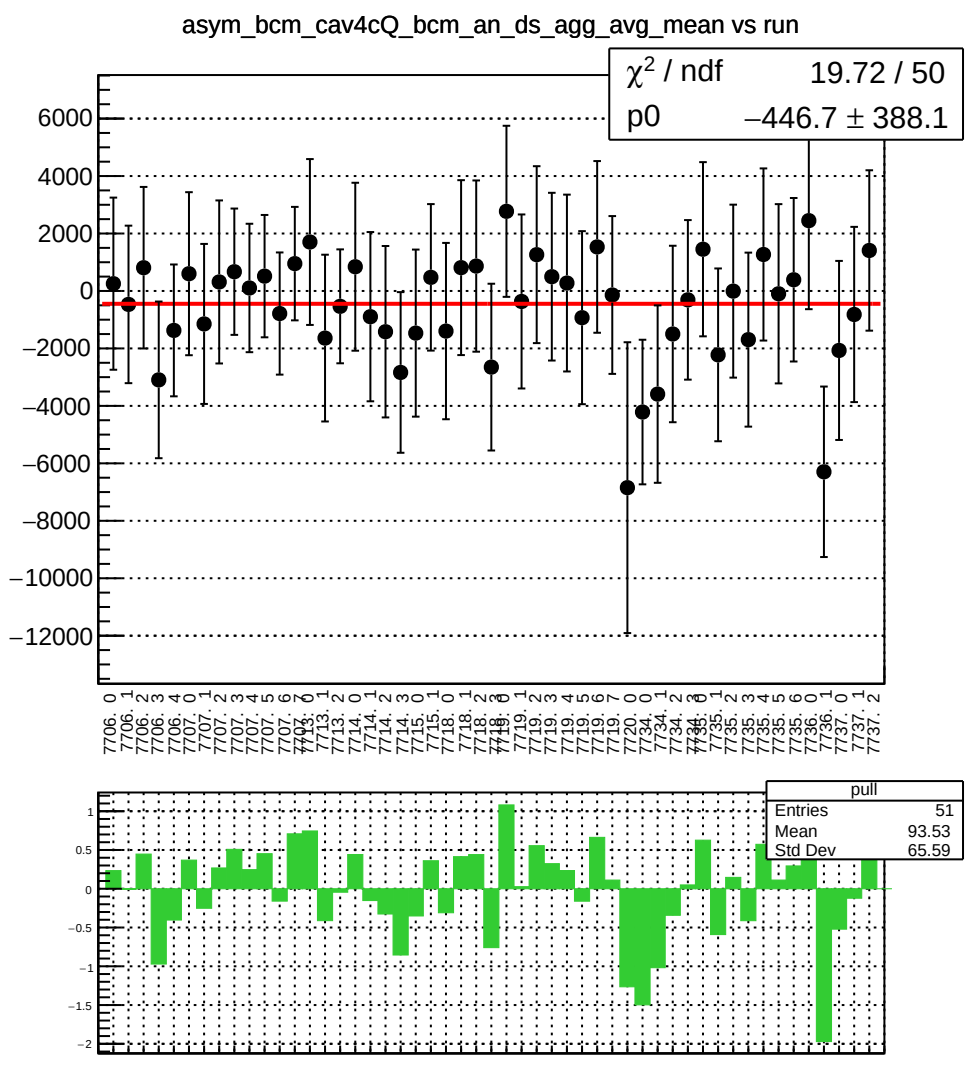
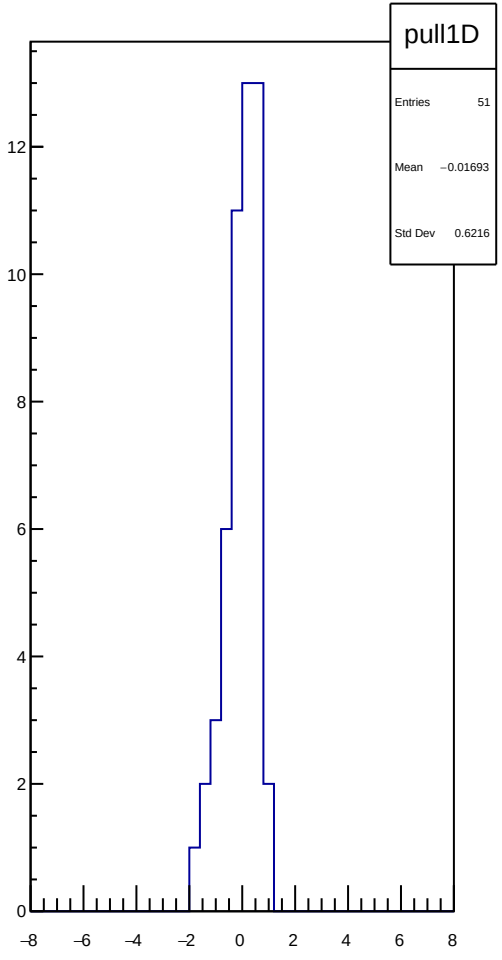
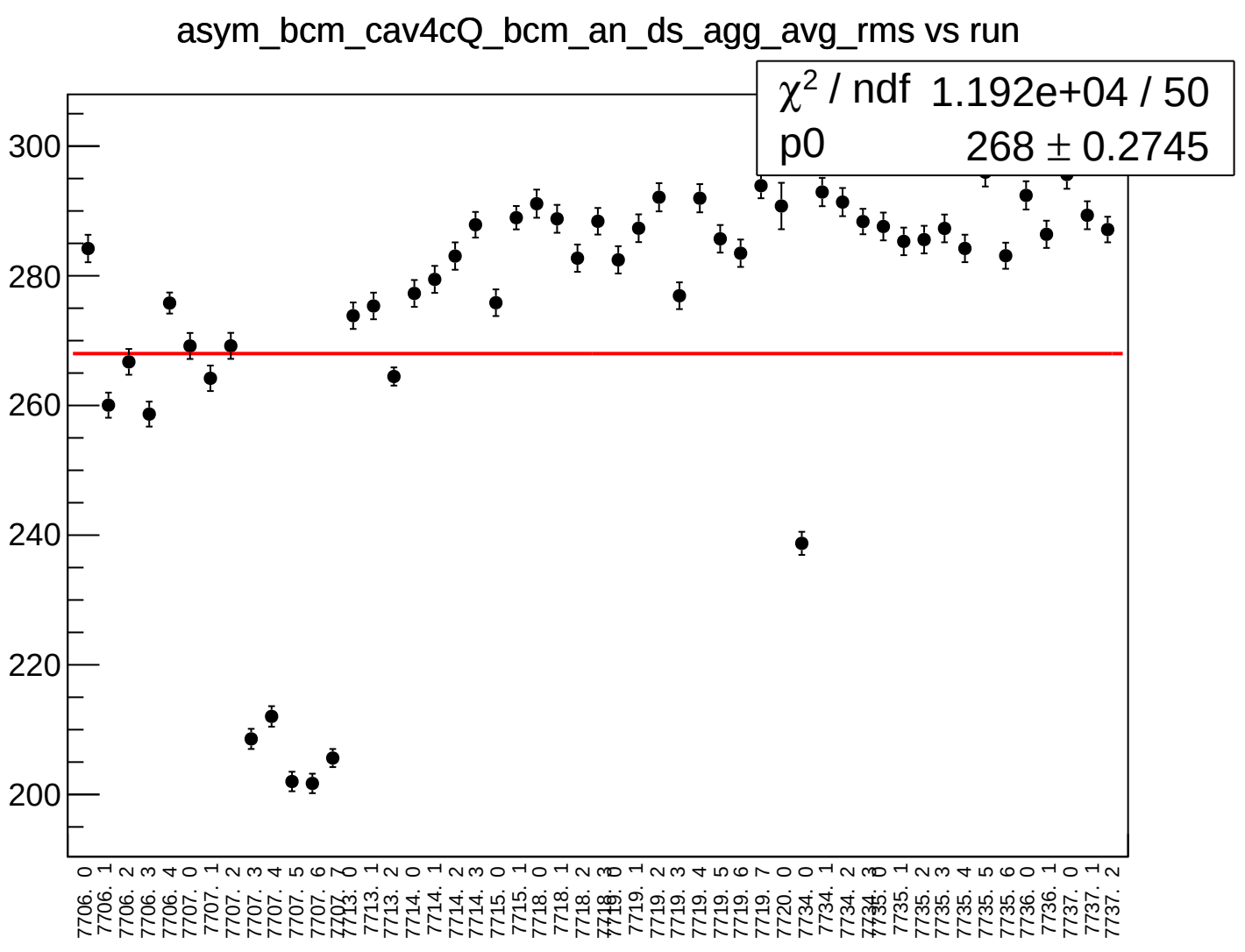
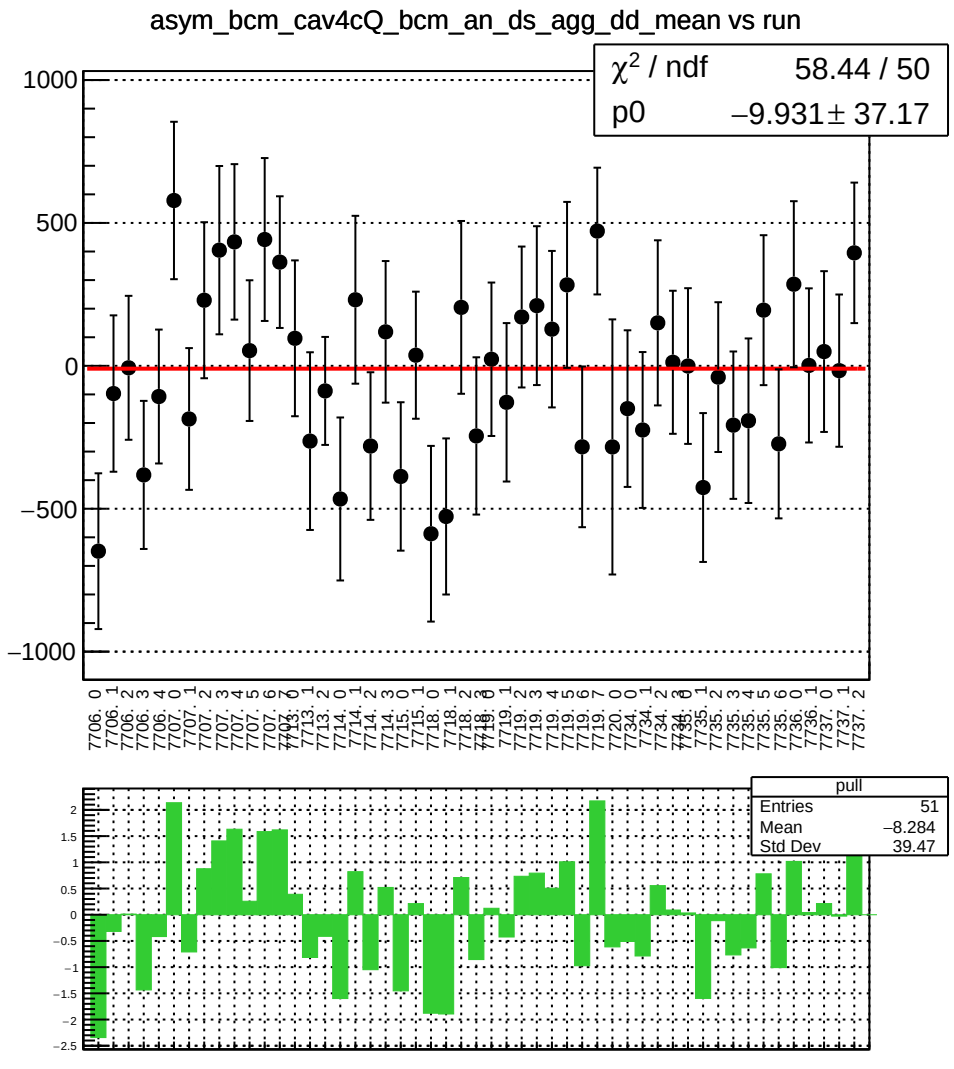
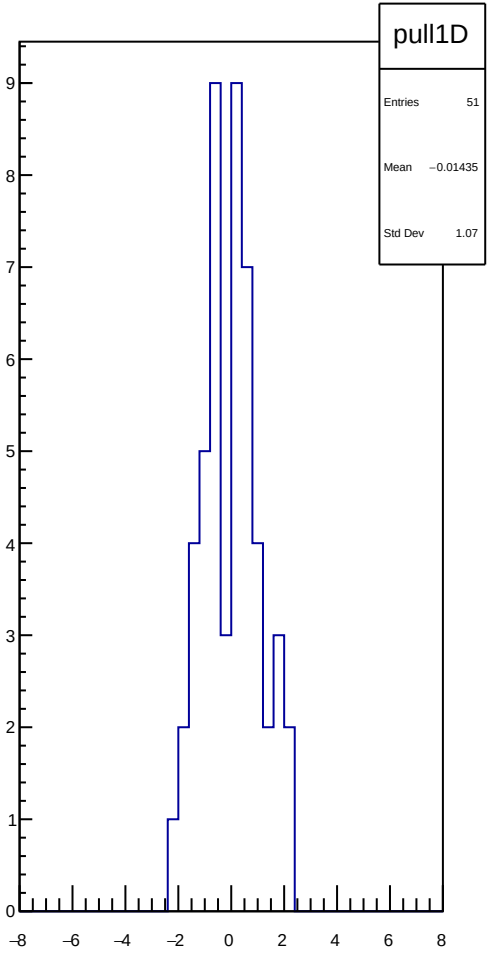
7737. 2

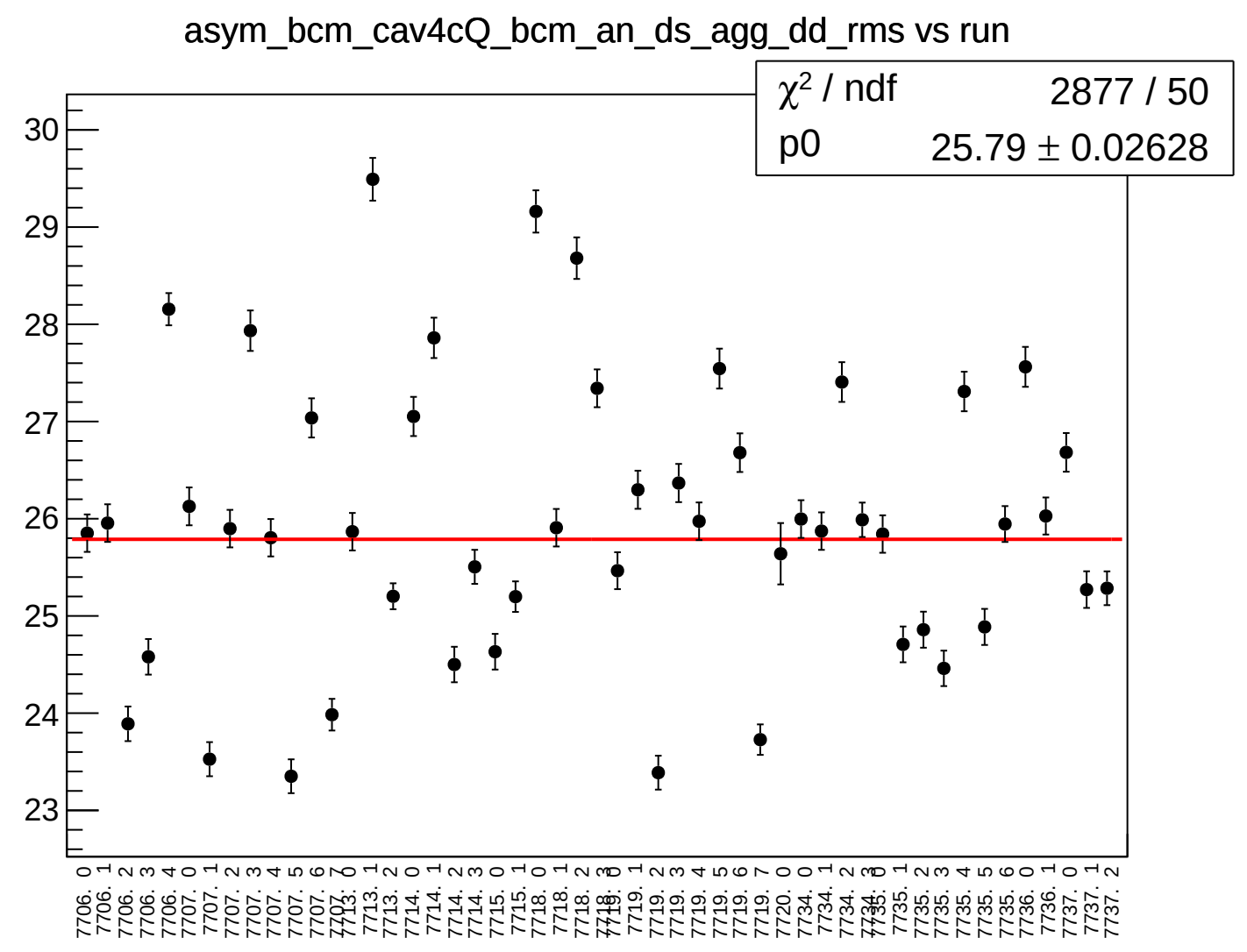

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 19.72 / 50
p0 −446.7 ± 388.1
pull
Entries 51
Mean 93.53
Std Dev 65.59

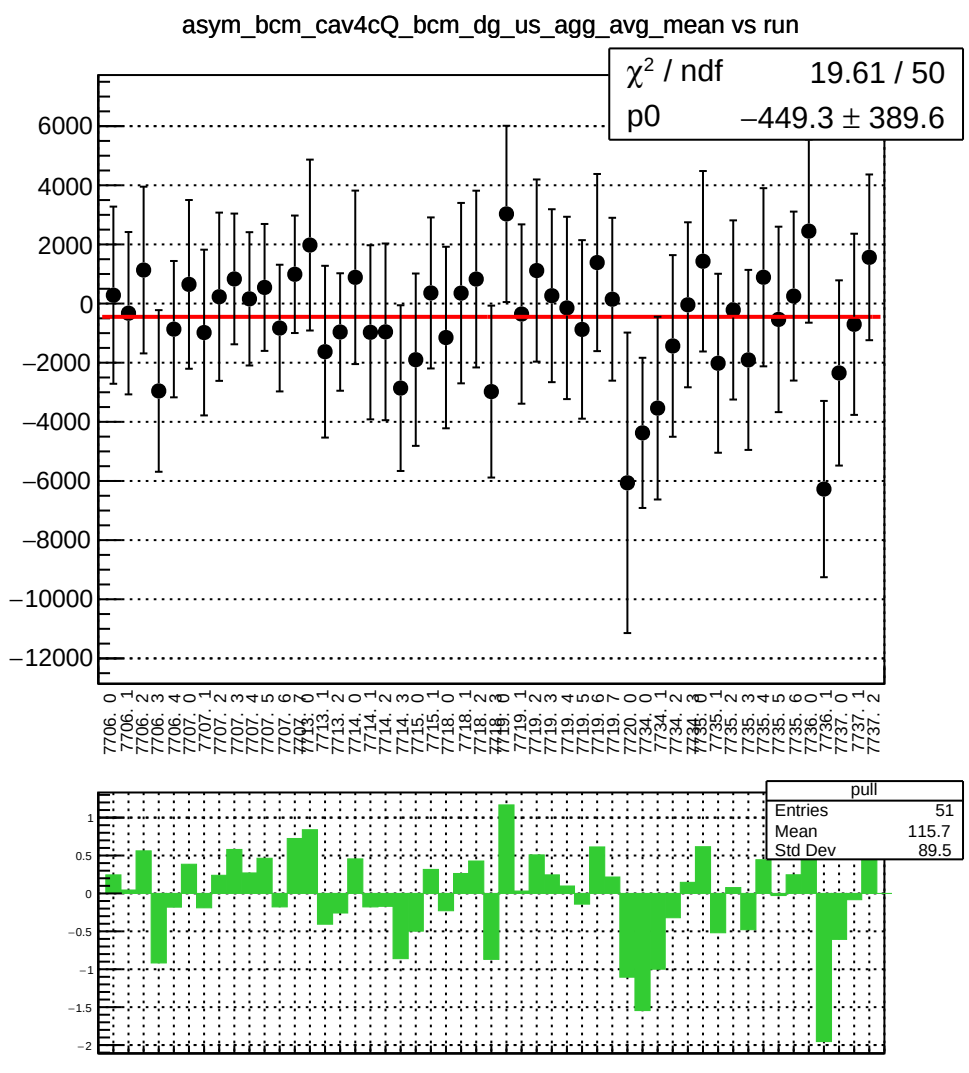

pull1D
Entries 51
Mean −0.01693
Std Dev 0.6216

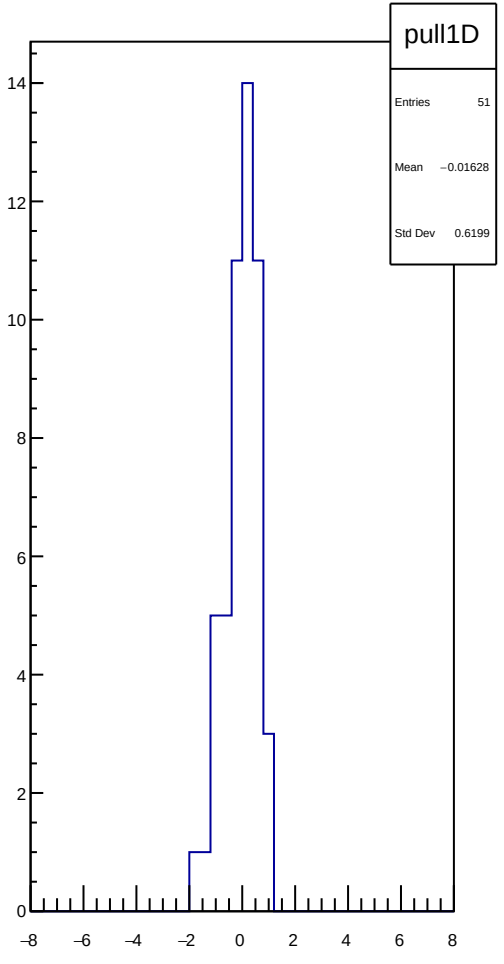

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.192e+04 / 50
p0 268 ± 0.2745
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

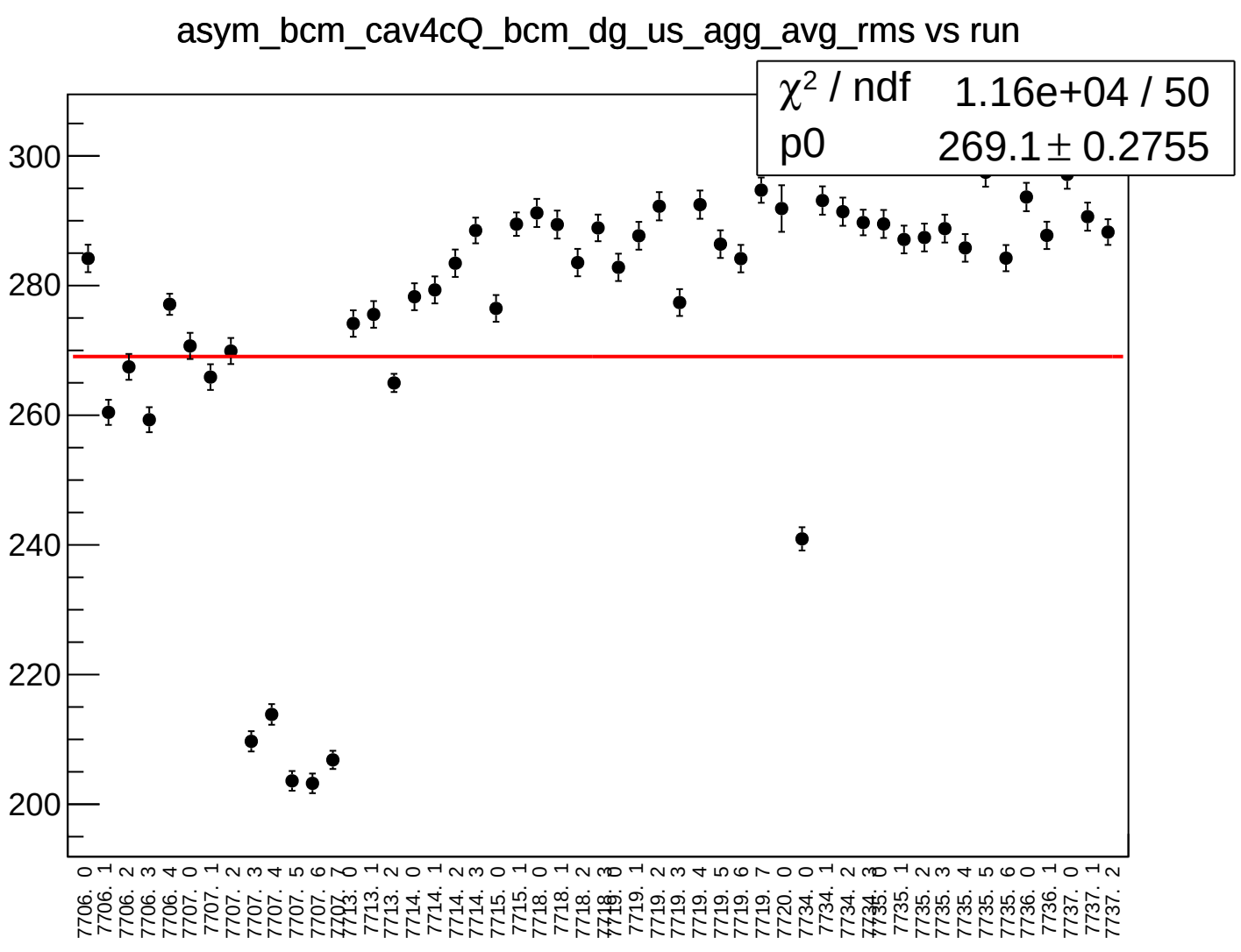

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 58.44 / 50
p0 −9.931 ± 37.17
1000
500
0
−500
−1000
pull
Entries 51
Mean −8.284
Std Dev 39.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

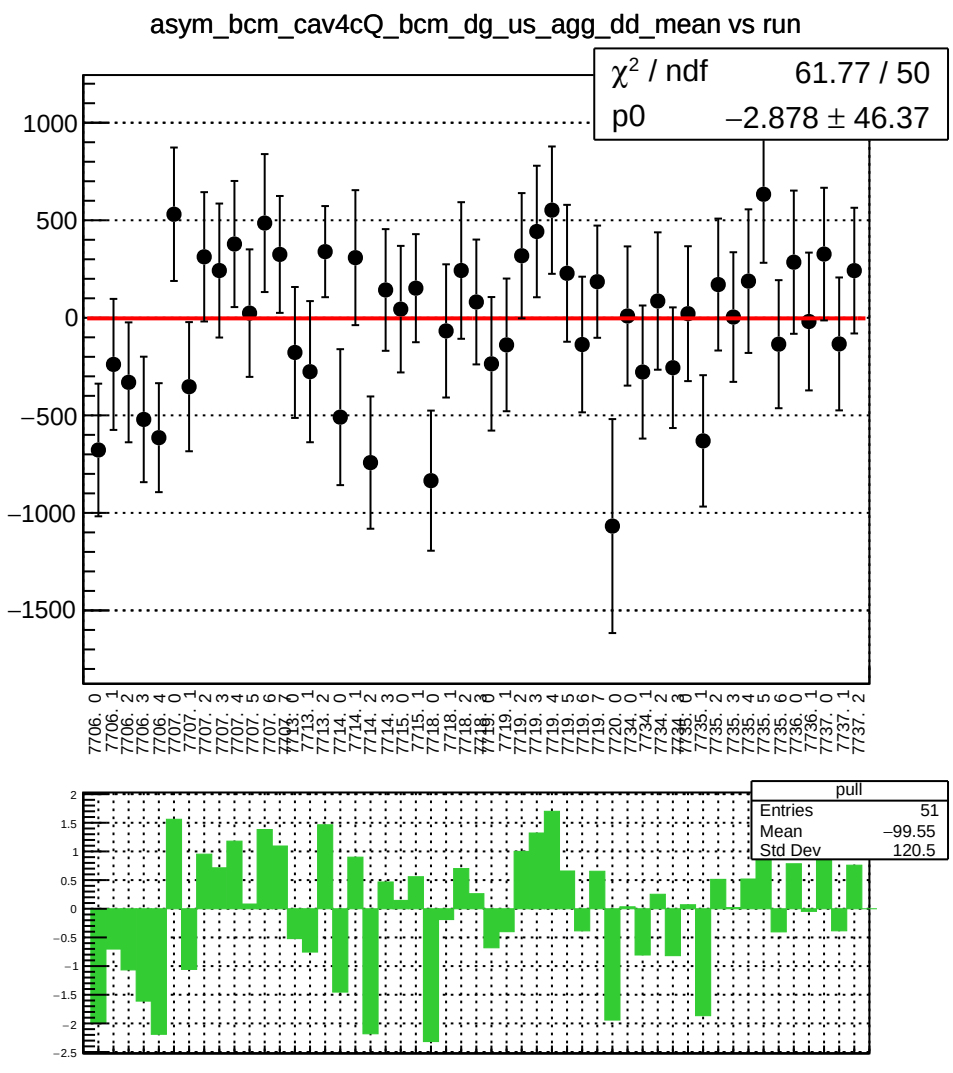

pull1D
Entries 51
Mean −0.01435
Std Dev 1.07
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

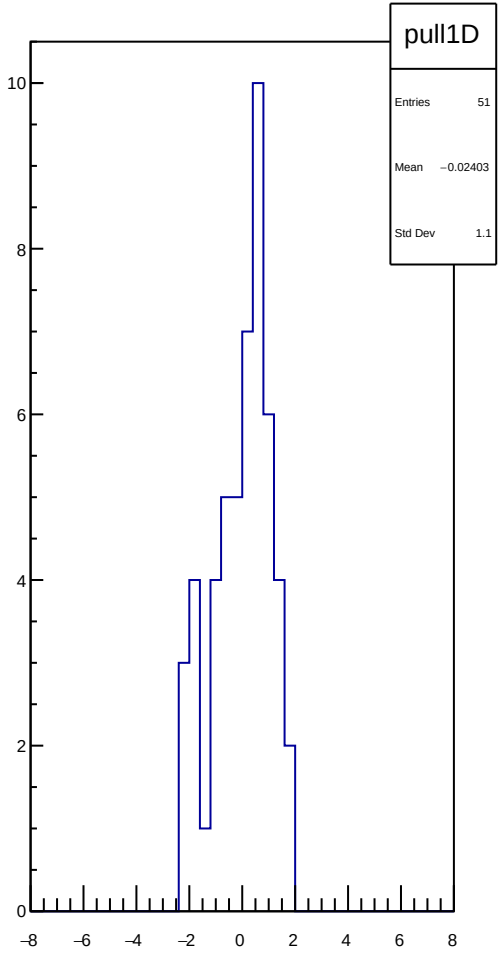

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2877 / 50
p0 25.79 ± 0.02628
30
29
28
27
26
25
24
23
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

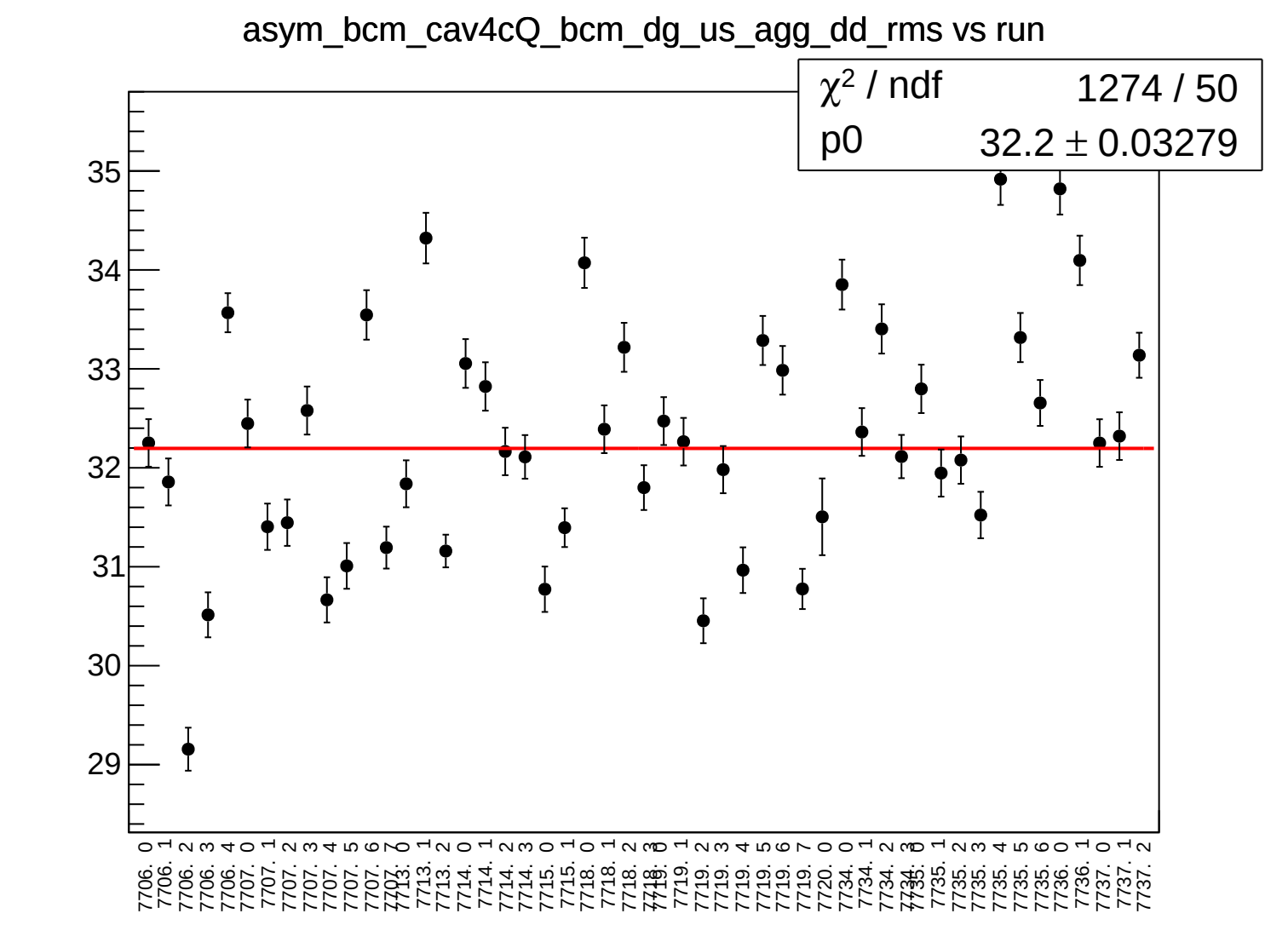

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 19.61 / 50
p0 −449.3 ± 389.6
pull
Entries 51
Mean 115.7
Std Dev 89.5

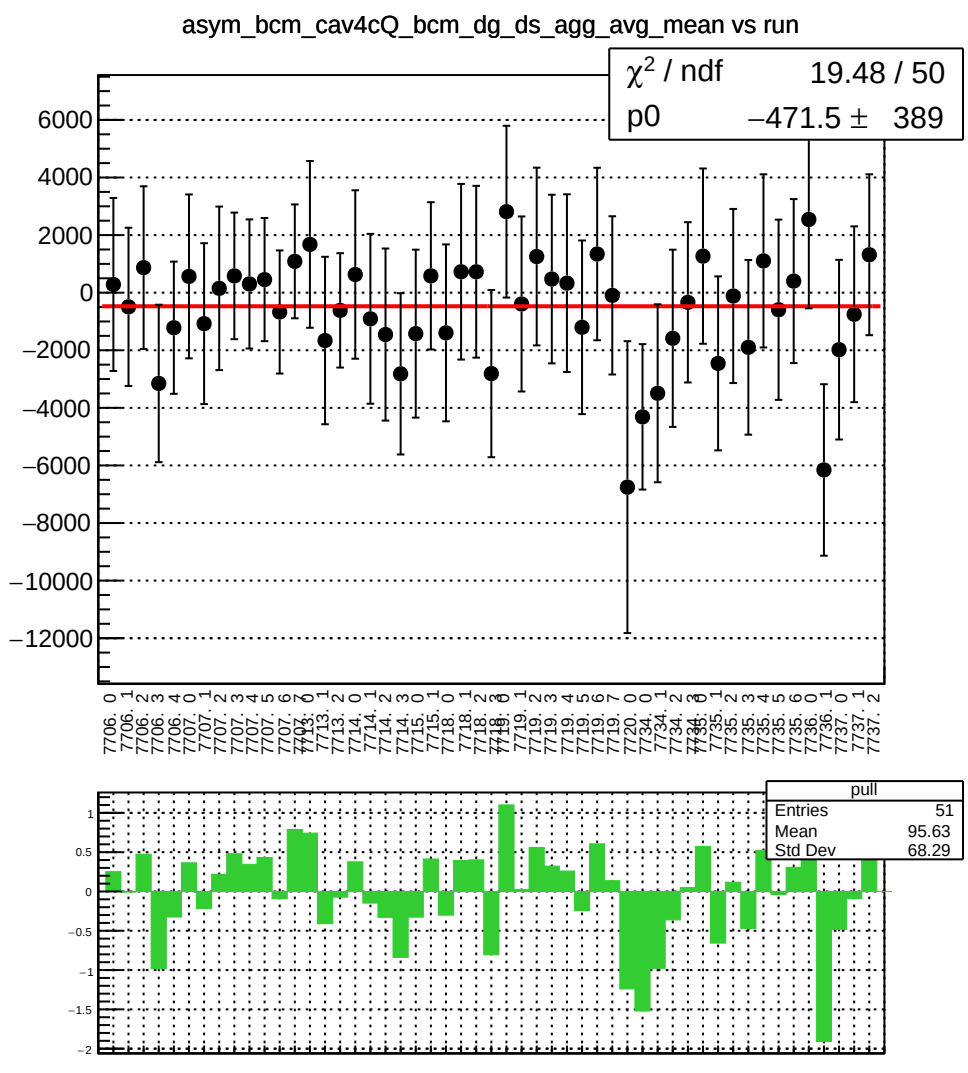

pull1D
Entries 51
Mean −0.01628
Std Dev 0.6199

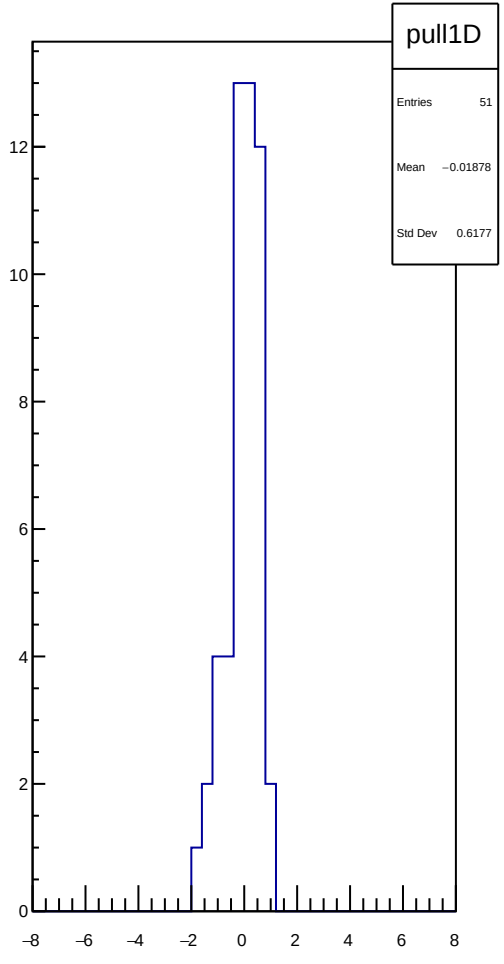

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.16e+04 / 50
p0 269.1 ± 0.2755
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

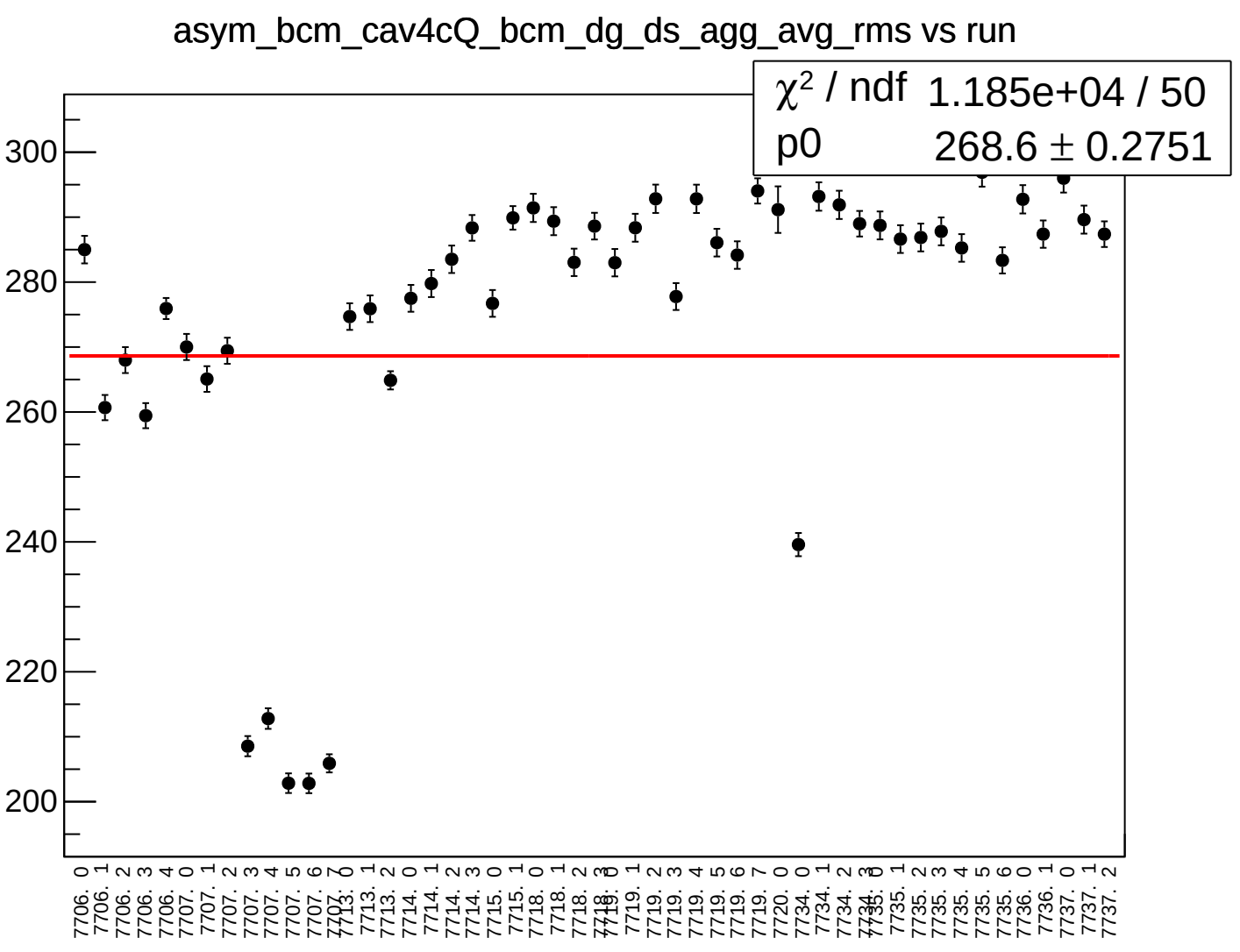

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 61.77 / 50
p0 −2.878 ± 46.37
1000
500
0
−500
−1000
−1500
pull
Entries 51
Mean −99.55
Std Dev 120.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

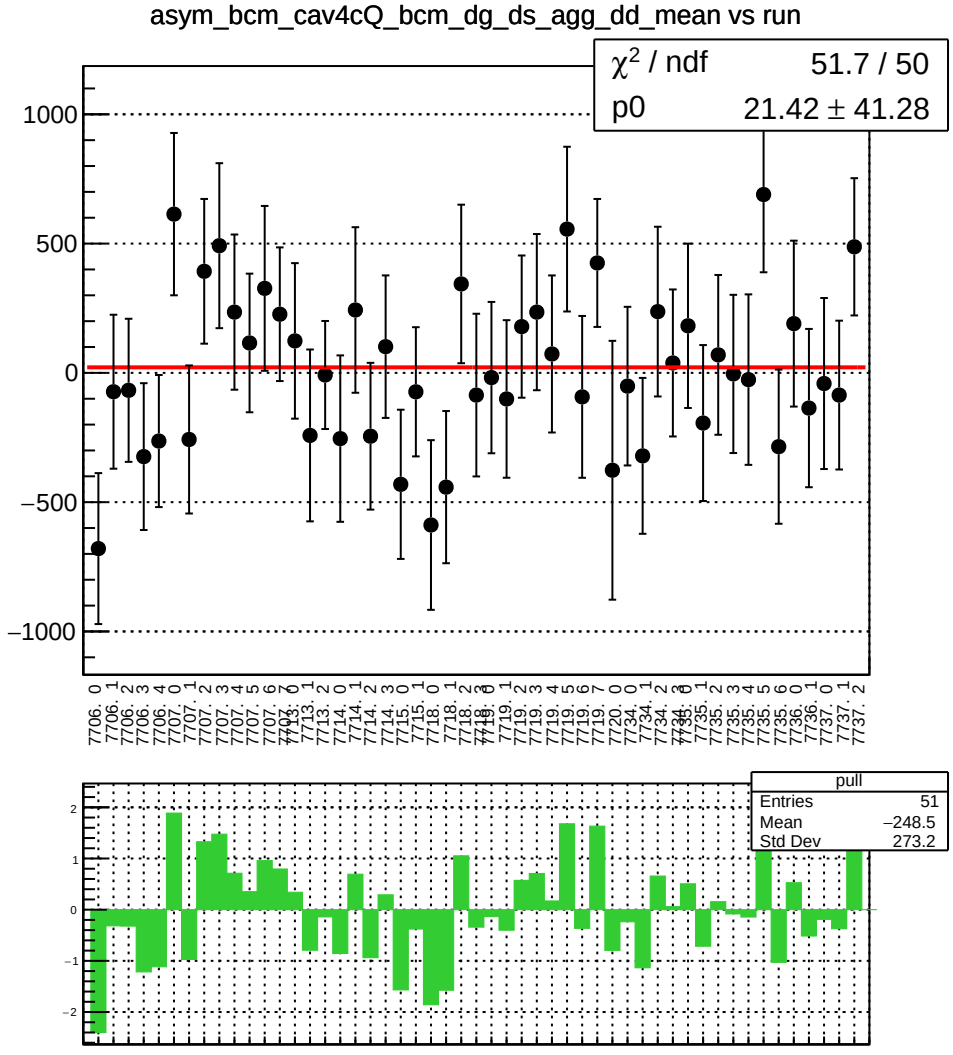

pull1D
Entries 51
Mean −0.02403
Std Dev 1.1
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

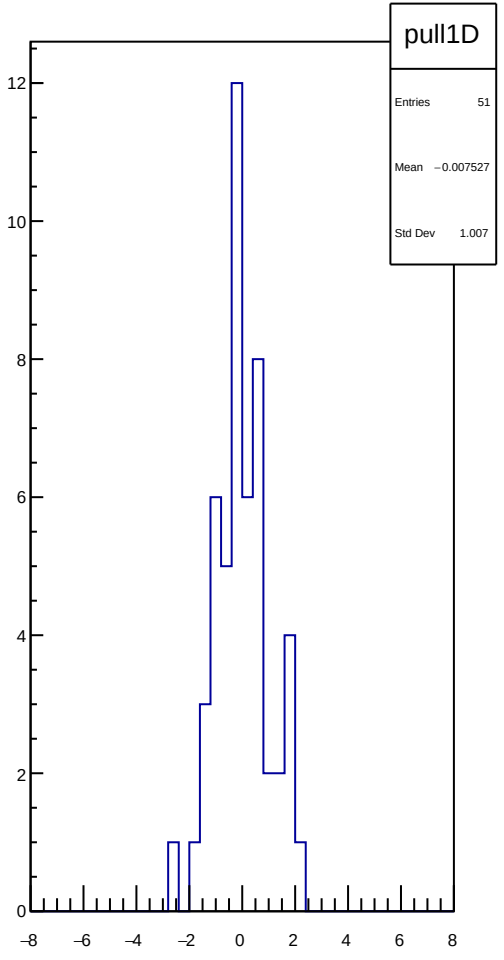

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1274 / 50
p0 32.2 ± 0.03279
35
34
33
32
31
30
29
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

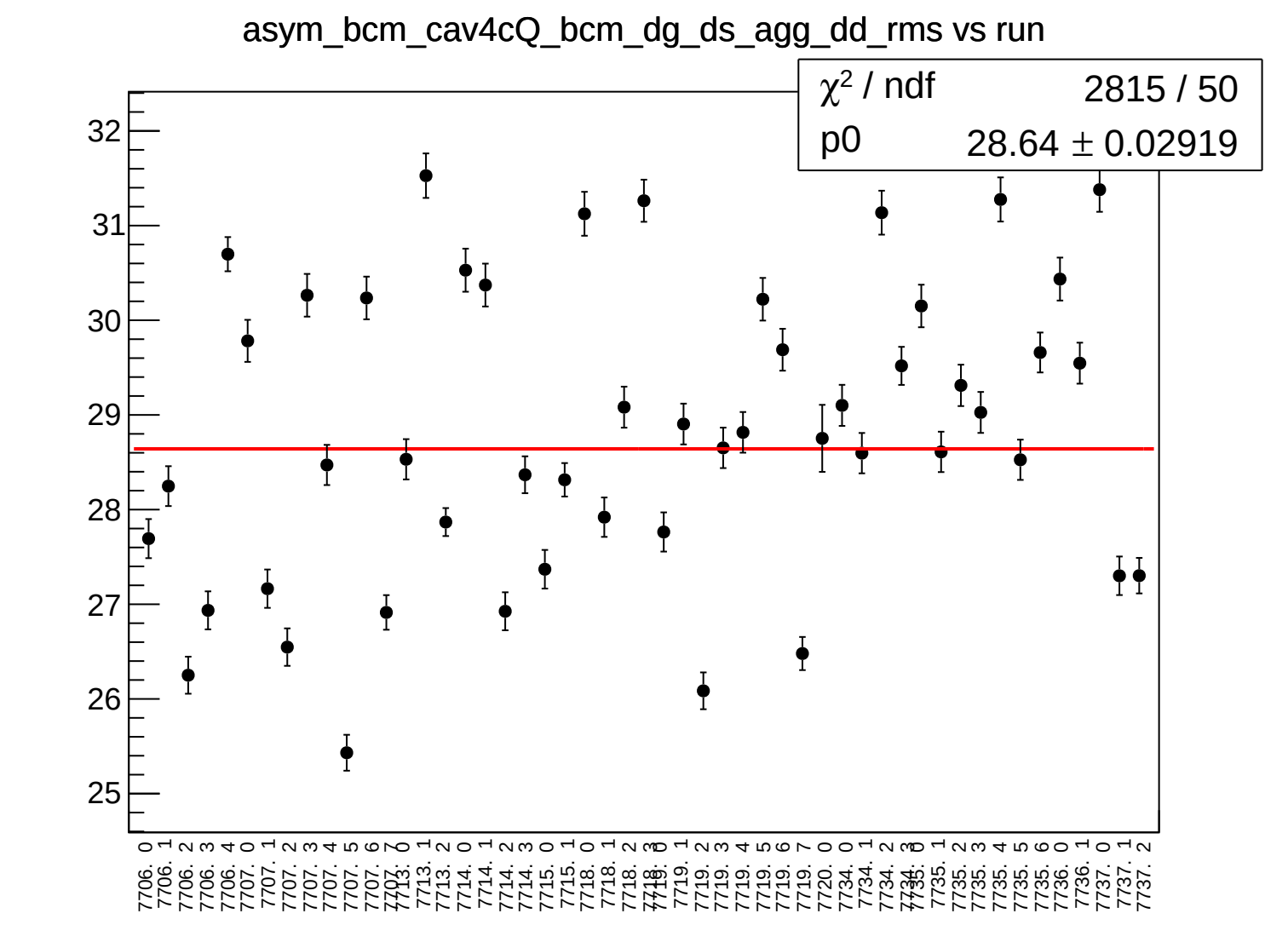

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 19.48 / 50
p0 −471.5 ± 389
pull
Entries 51
Mean 95.63
Std Dev 68.29

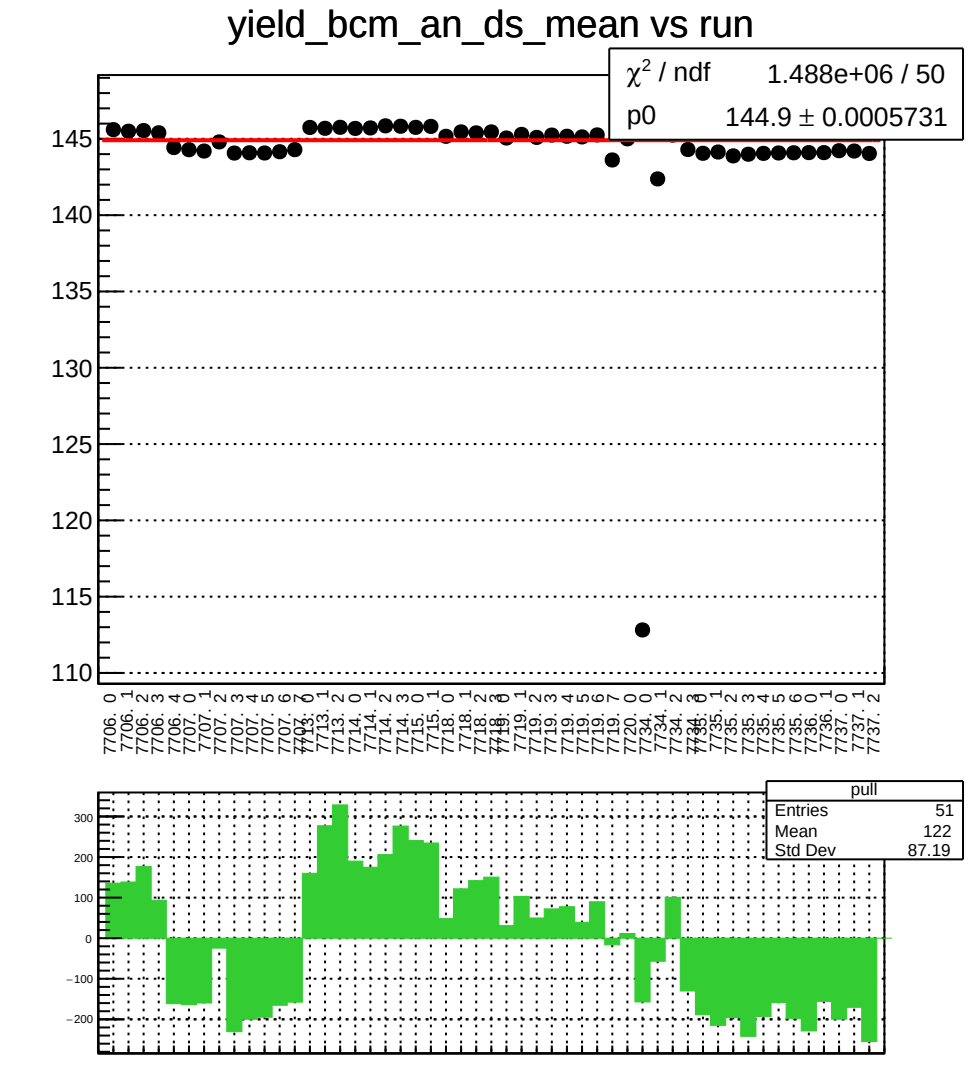

pull1D
Entries 51
Mean −0.01878
Std Dev 0.6177

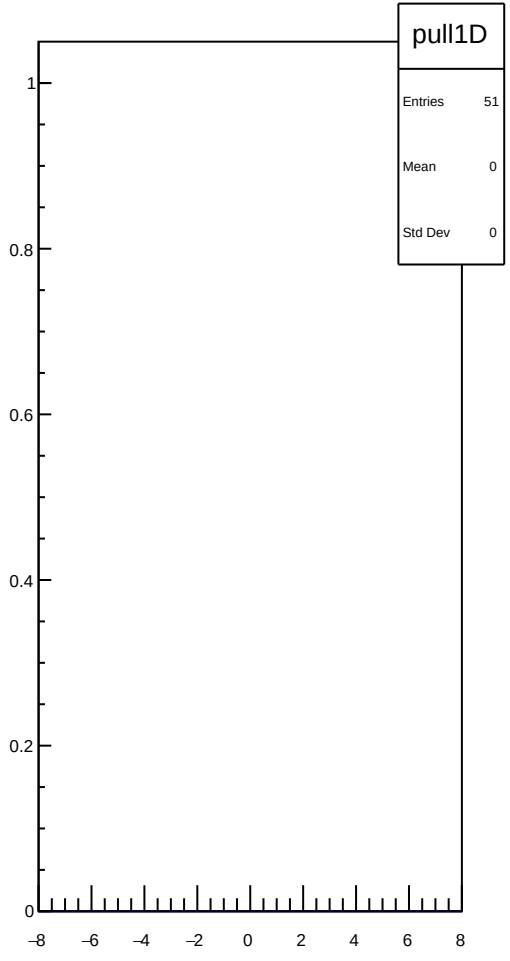

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.185e+04 / 50
p0 268.6 ± 0.2751
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

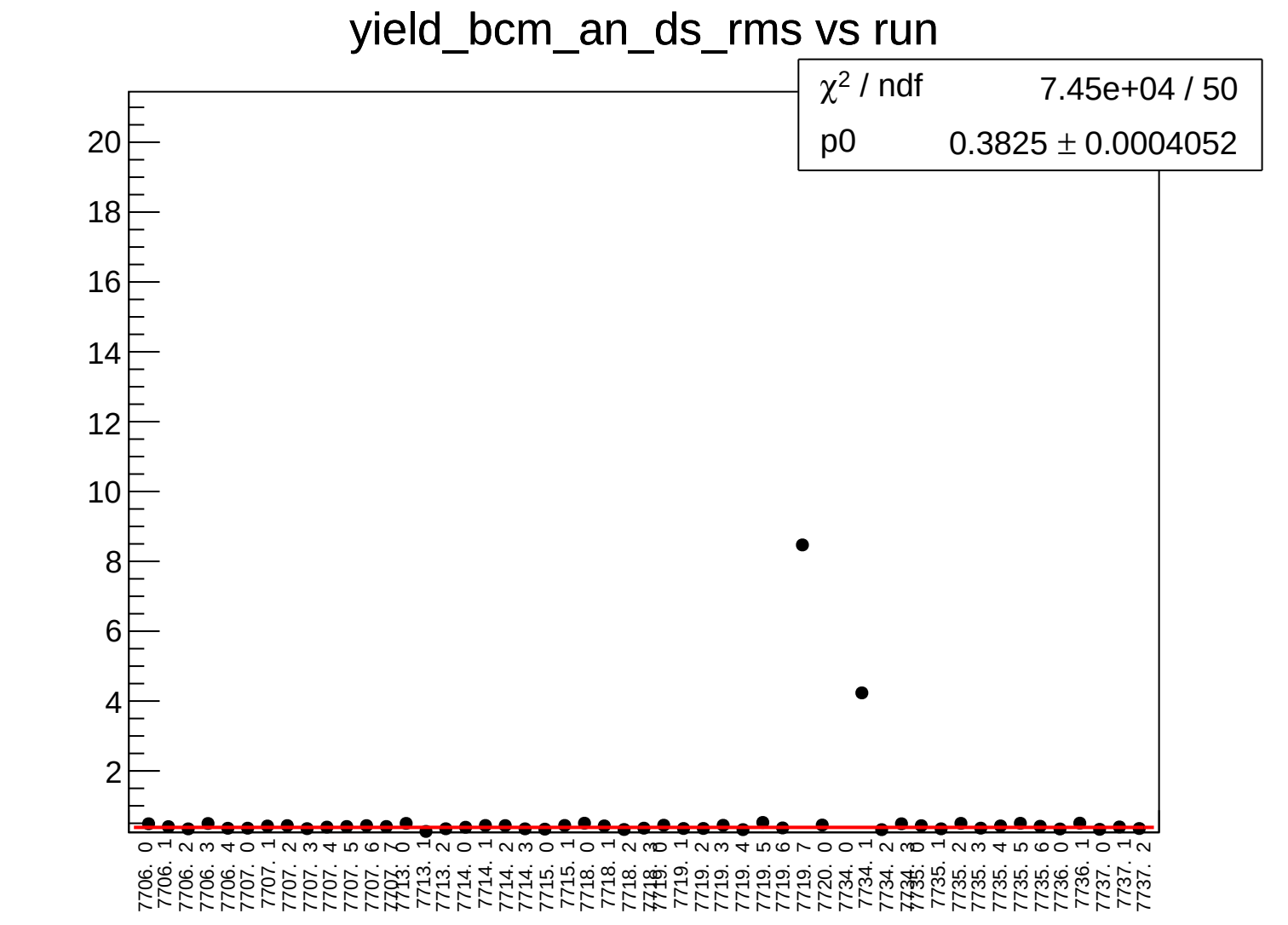

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 51.7 / 50
p0 21.42 ± 41.28
1000
500
0
−500
−1000
pull
Entries 51
Mean −248.5
Std Dev 273.2
2
1
0
−1
−2

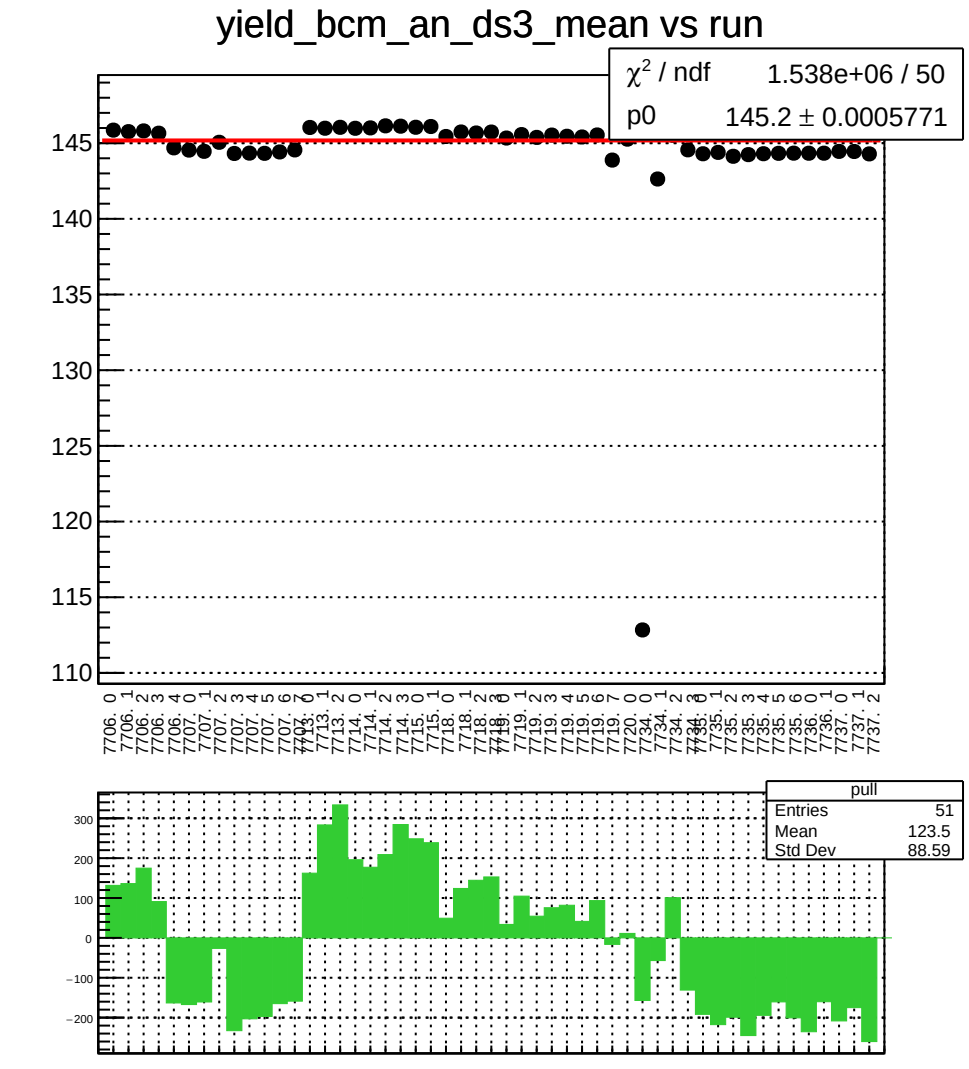

pull1D
Entries 51
Mean −0.007527
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

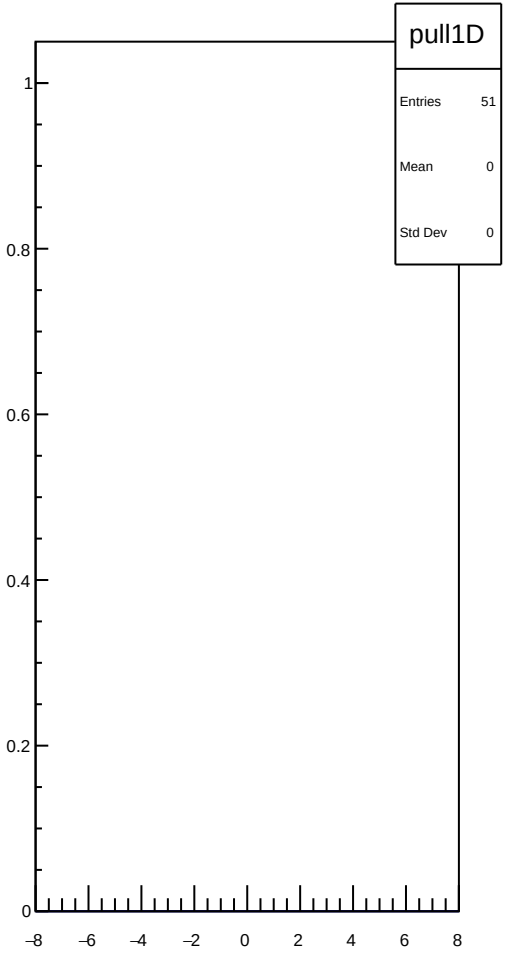

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2815 / 50
p0 28.64 ± 0.02919
32
31
30
29
28
27
26
25
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

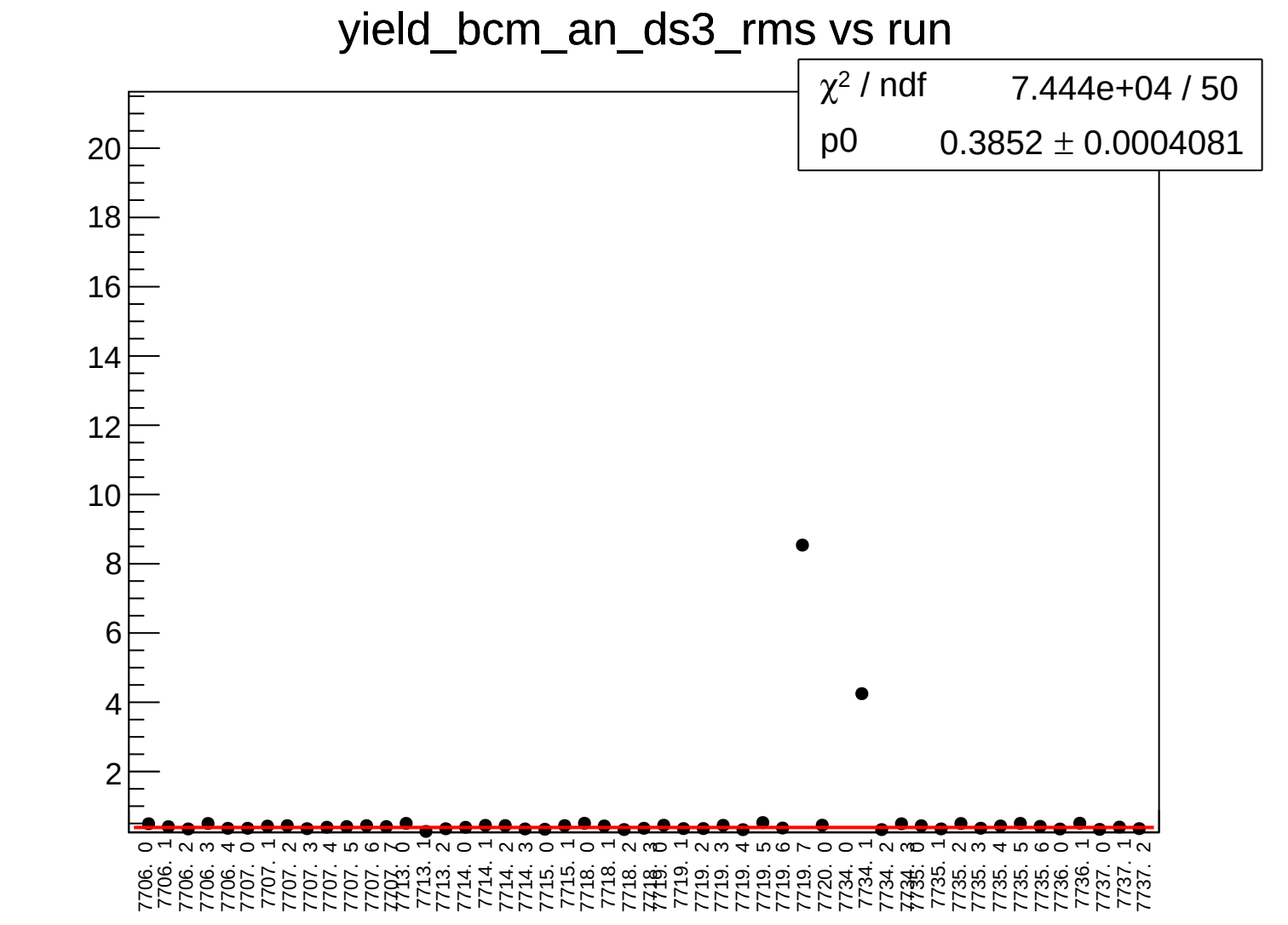

yield_bcm_an_ds_mean vs run
χ² / ndf 1.488e+06 / 50
p0 144.9 ± 0.0005731
145
140
135
130
125
120
115
110
pull
Entries 51
Mean 122
Std Dev 87.19
300
200
100
0
−100
−200

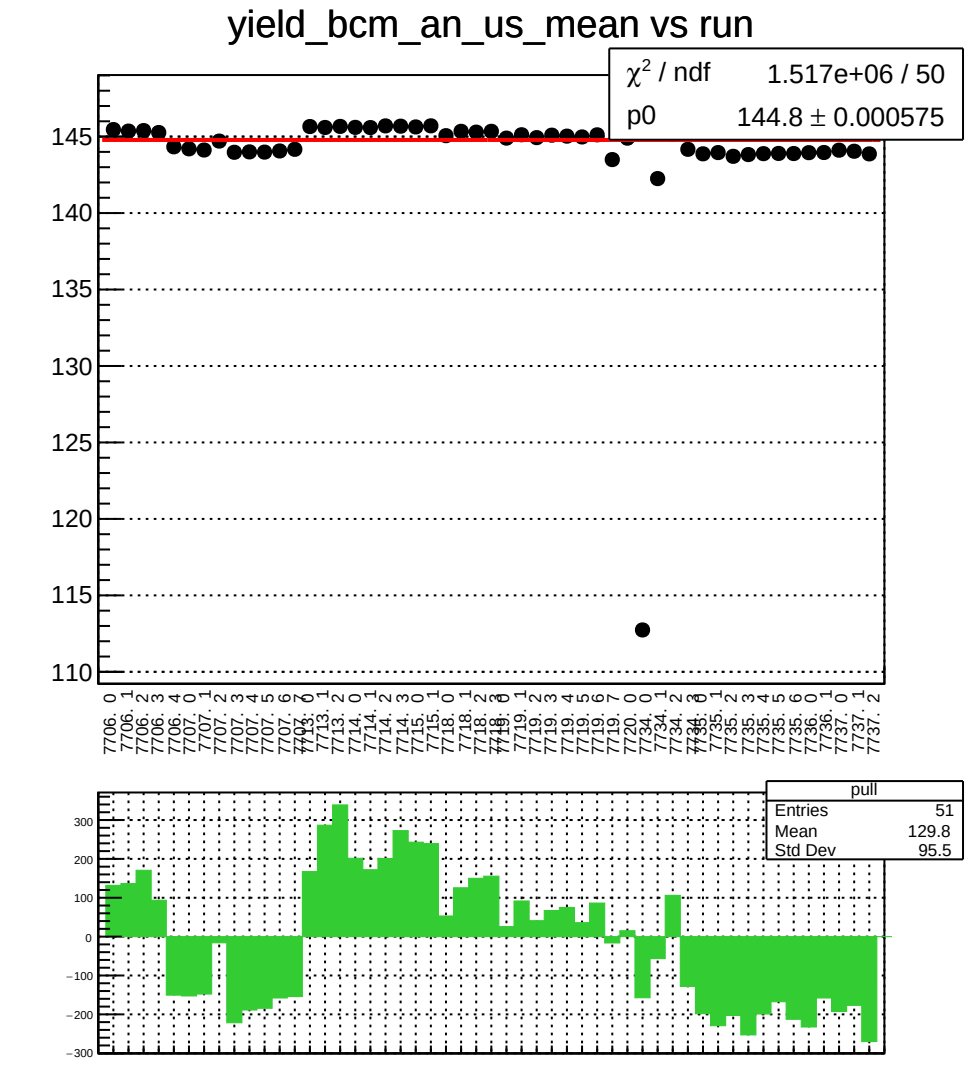

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

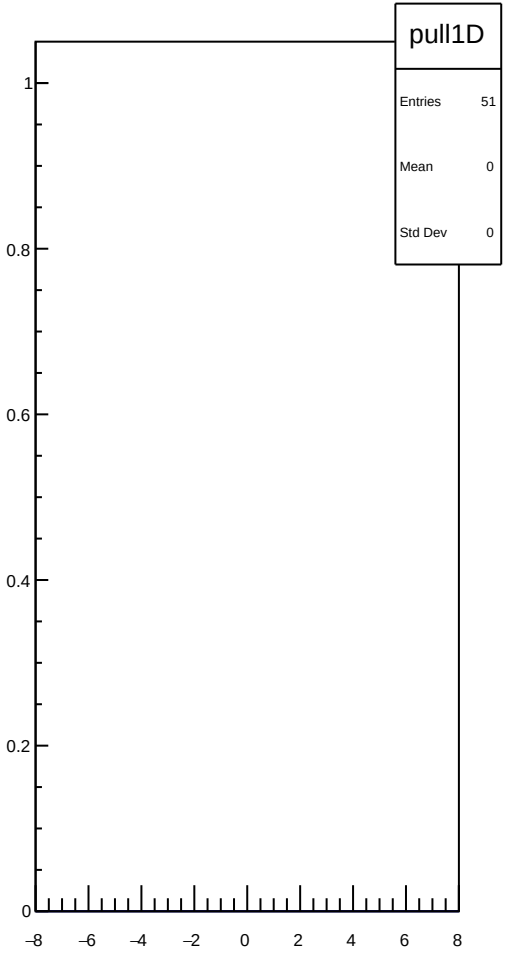

yield_bcm_an_ds_rms vs run
χ² / ndf 7.45e+04 / 50
p0 0.3825 ± 0.0004052
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

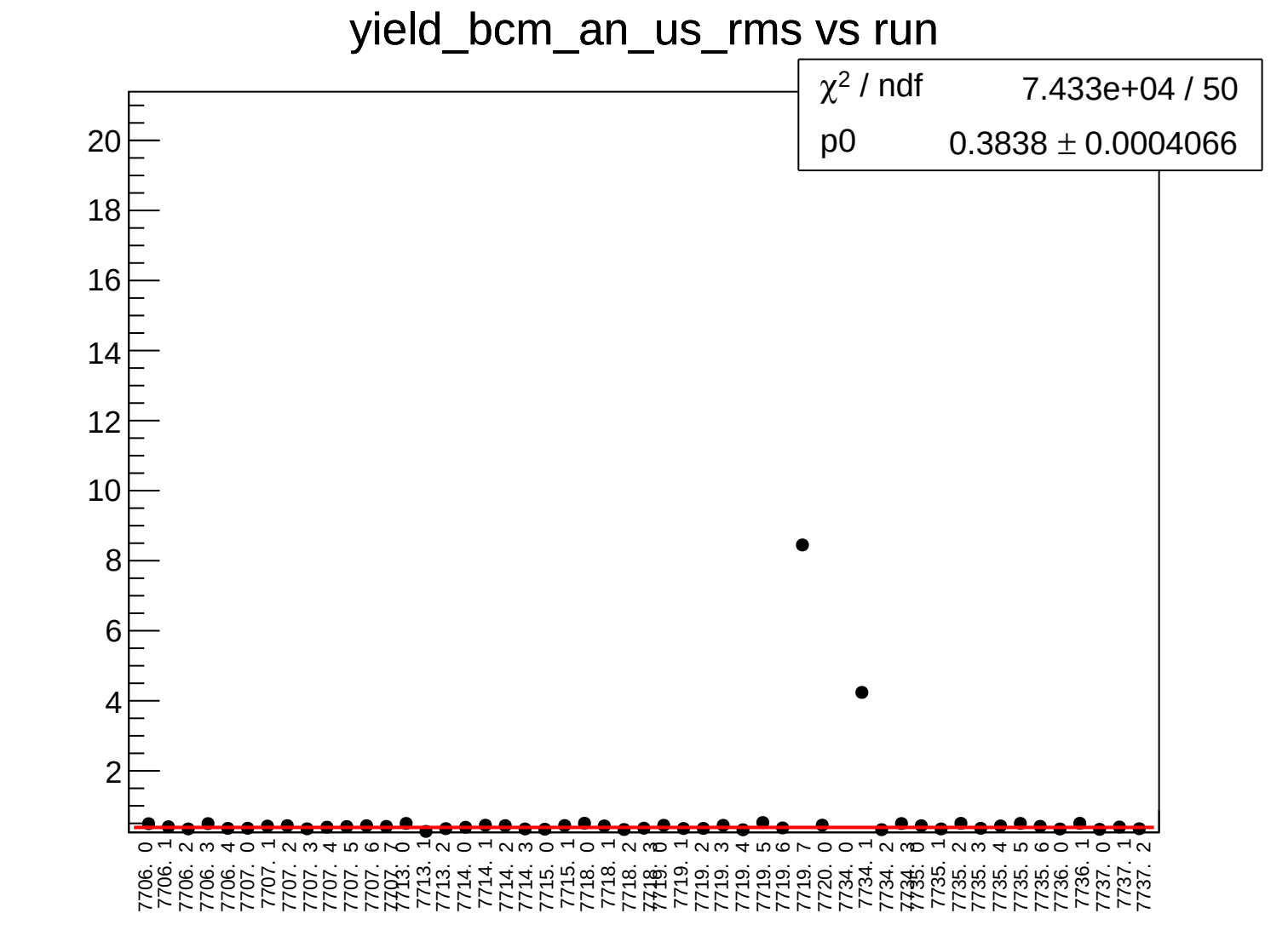

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.538e+06 / 50
p0 145.2 ± 0.0005771
145
140
135
130
125
120
115
110
pull
Entries 51
Mean 123.5
Std Dev 88.59
300
200
100
0
−100
−200

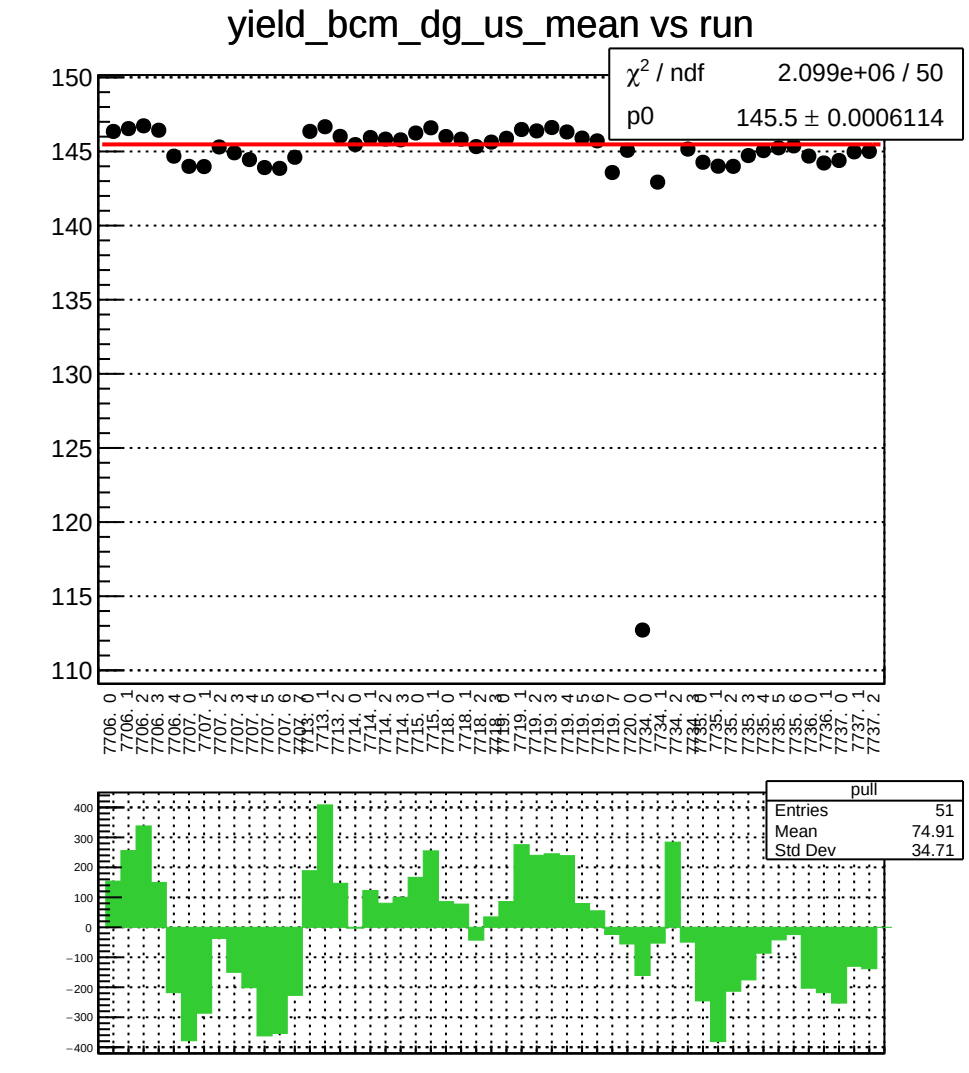

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

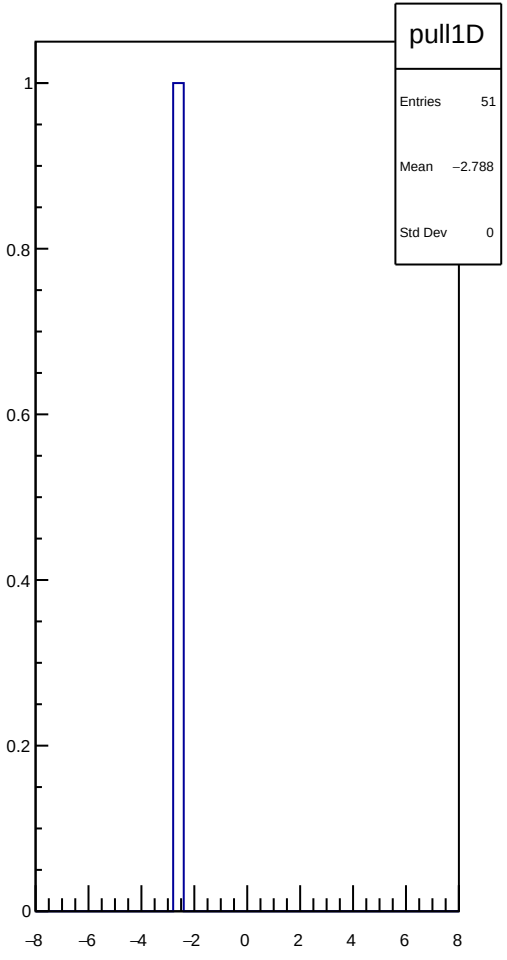

yield_bcm_an_ds3_rms vs run
χ² / ndf 7.444e+04 / 50
p0 0.3852 ± 0.0004081
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

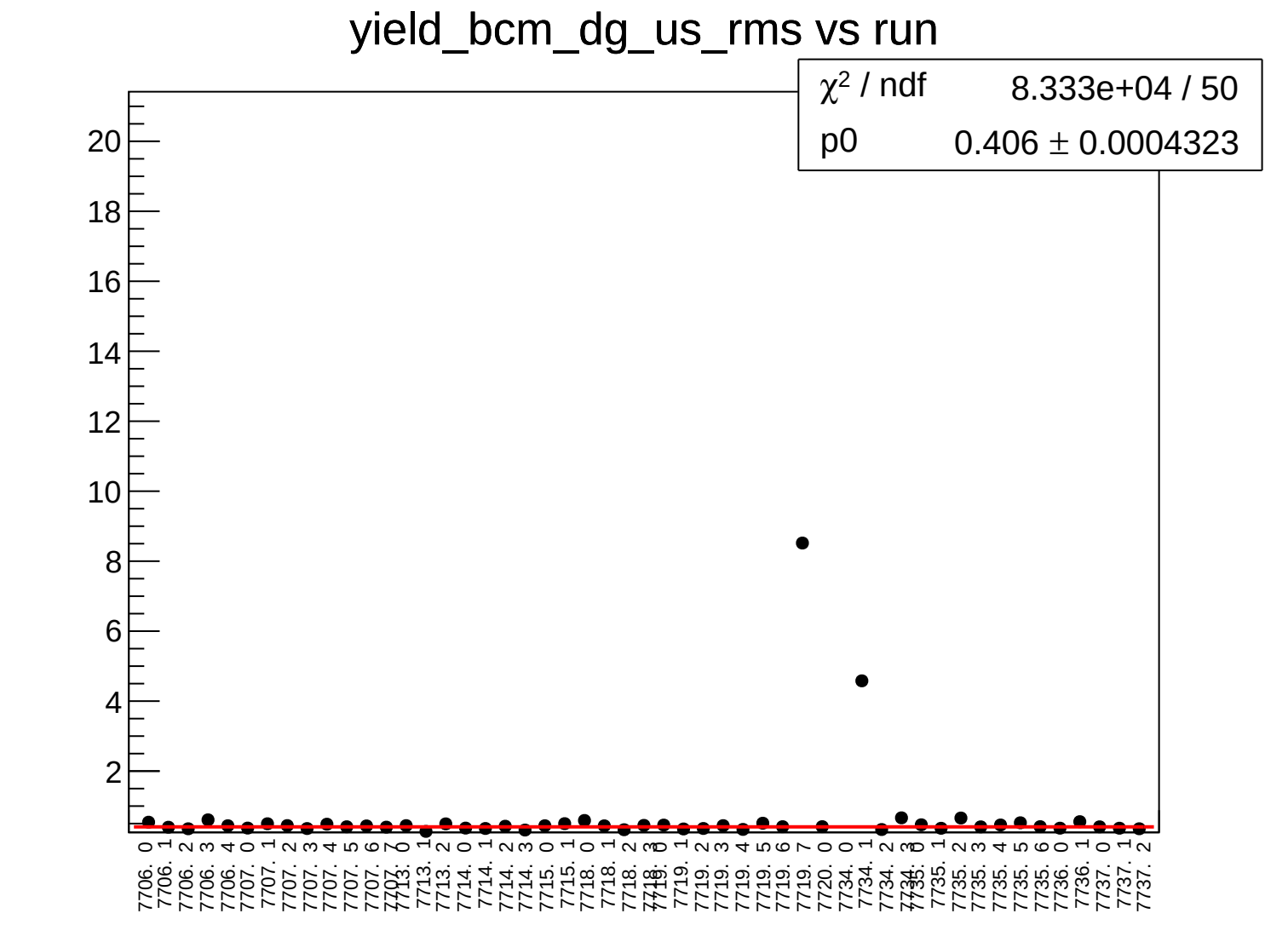

yield_bcm_an_us_mean vs run
χ² / ndf 1.517e+06 / 50
p0 144.8 ± 0.000575
pull
Entries 51
Mean 129.8
Std Dev 95.5

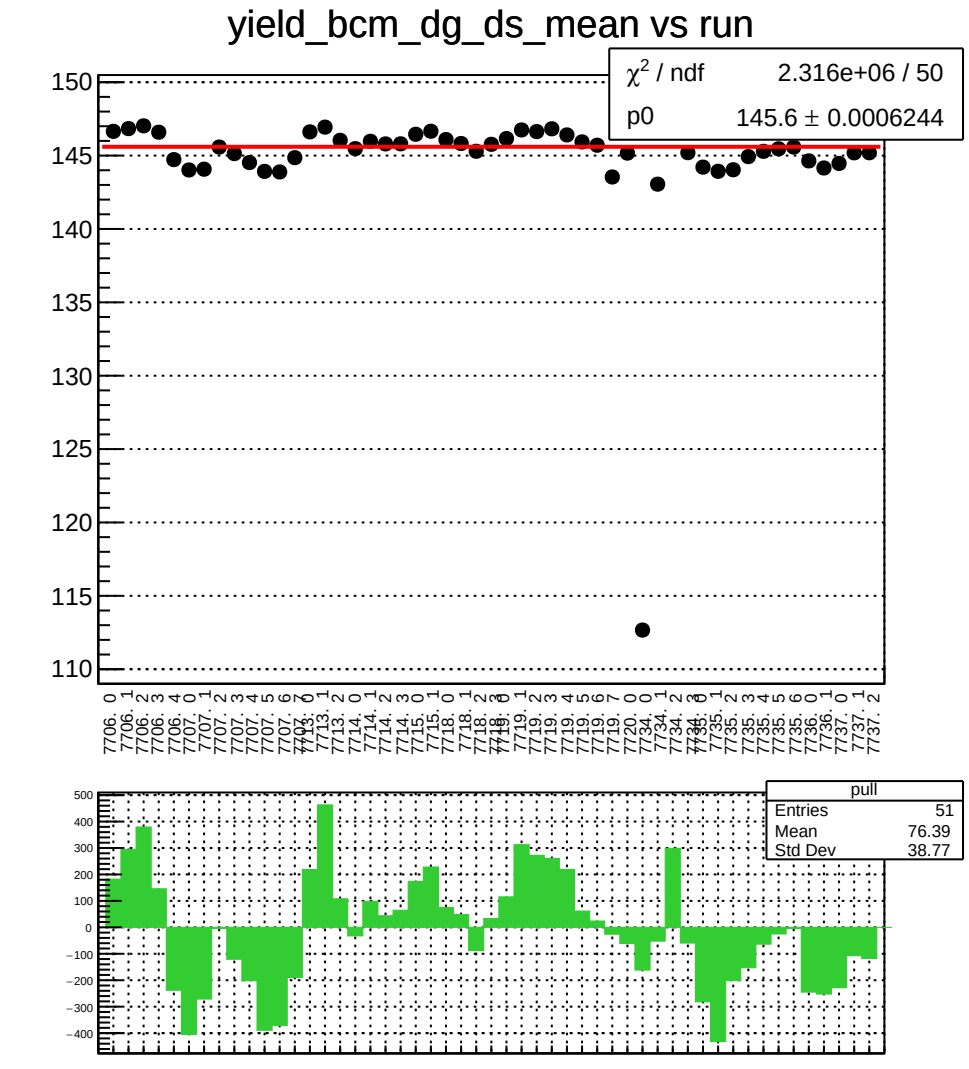

pull1D
Entries 51
Mean 0
Std Dev 0

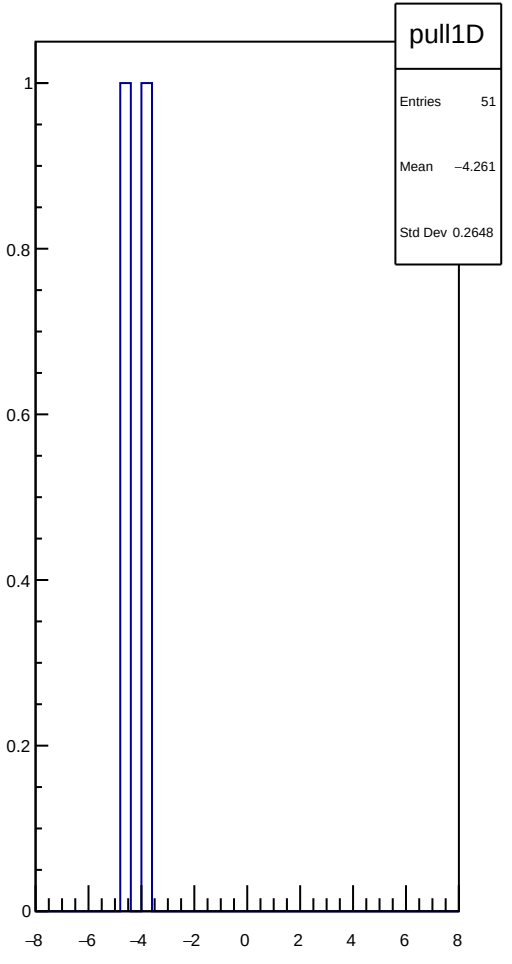

yield_bcm_an_us_rms vs run
χ² / ndf 7.433e+04 / 50
p0 0.3838 ± 0.0004066
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

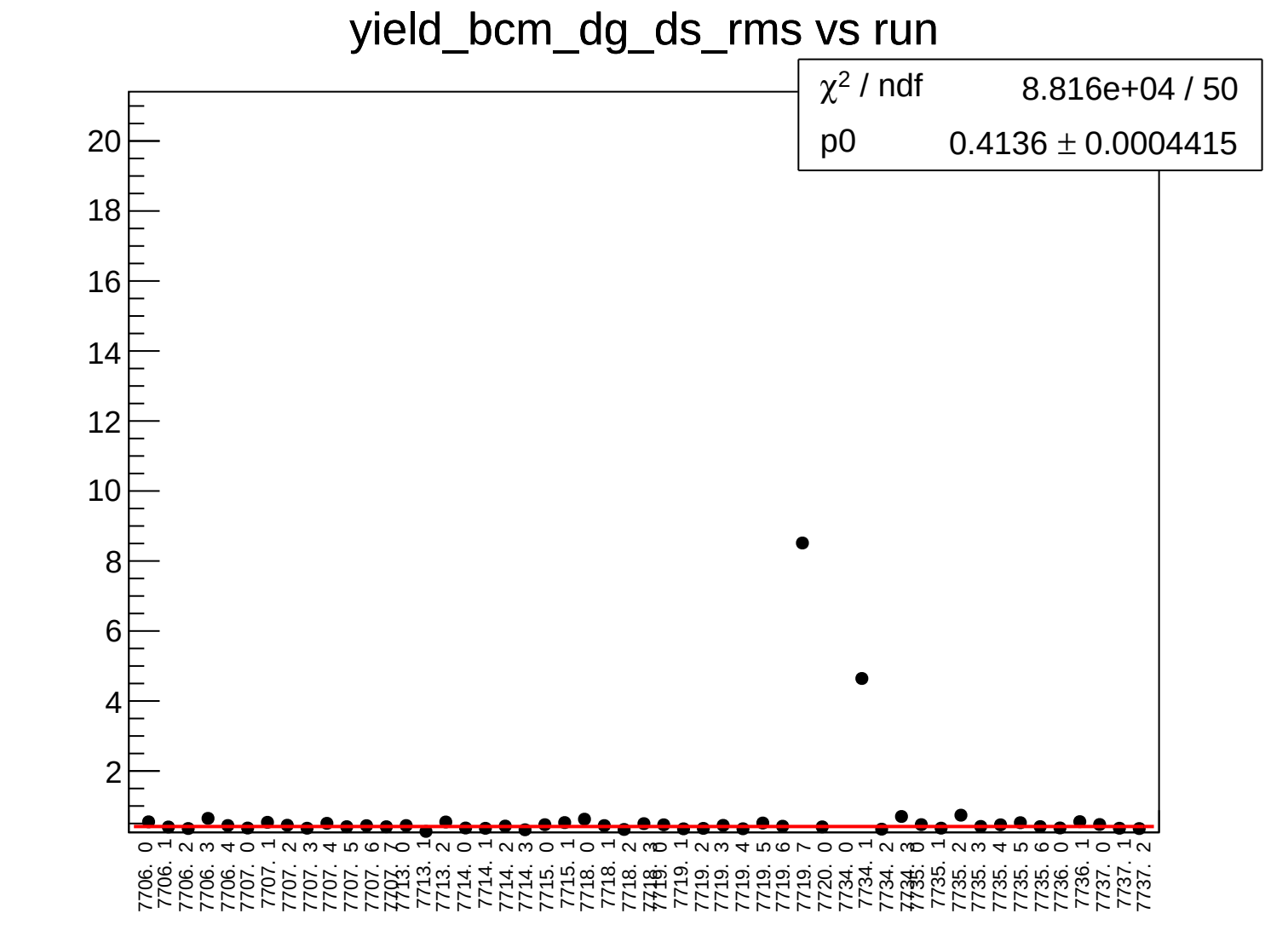

yield_bcm_dg_us_mean vs run
χ² / ndf 2.099e+06 / 50
p0 145.5 ± 0.0006114
150
145
140
135
130
125
120
115
110
pull
Entries 51
Mean 74.91
Std Dev 34.71
400
300
200
100
0
−100
−200
−300
−400

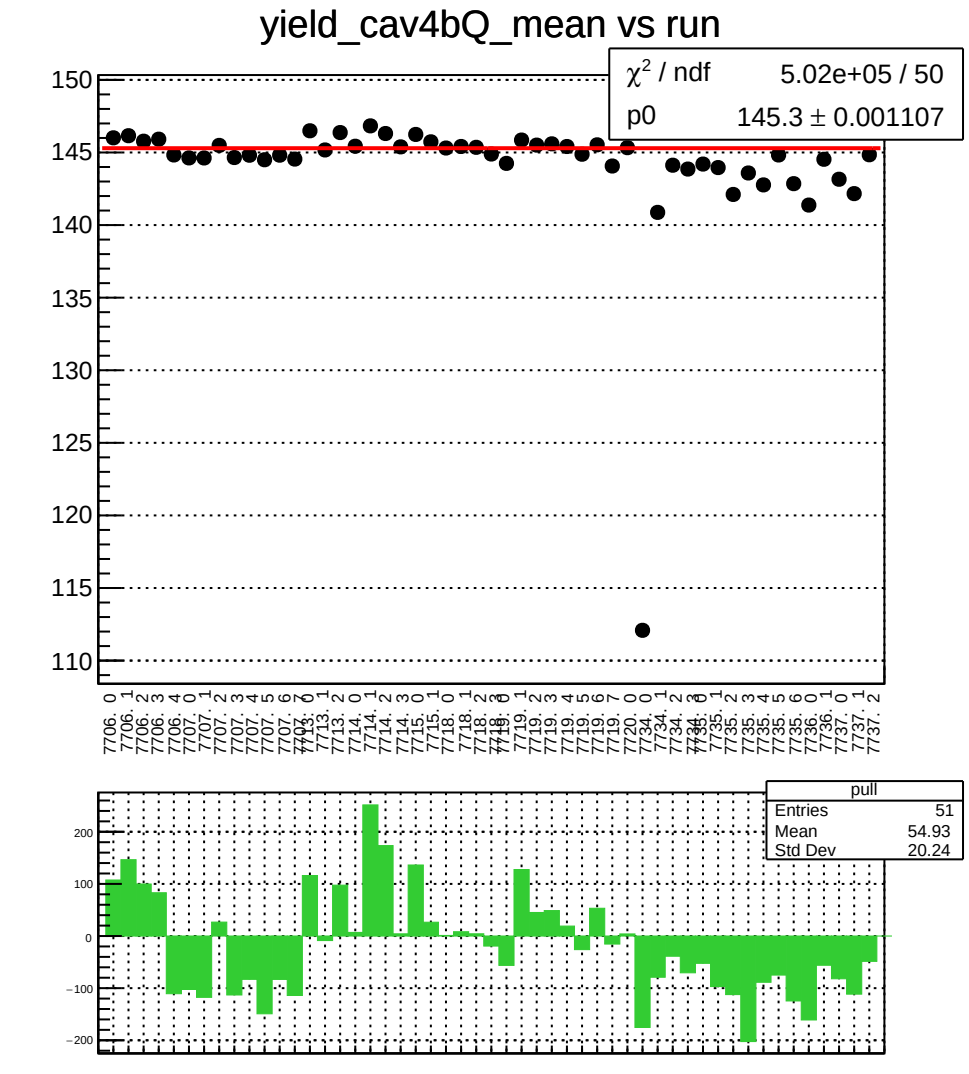

pull1D
Entries 51
Mean −2.788
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

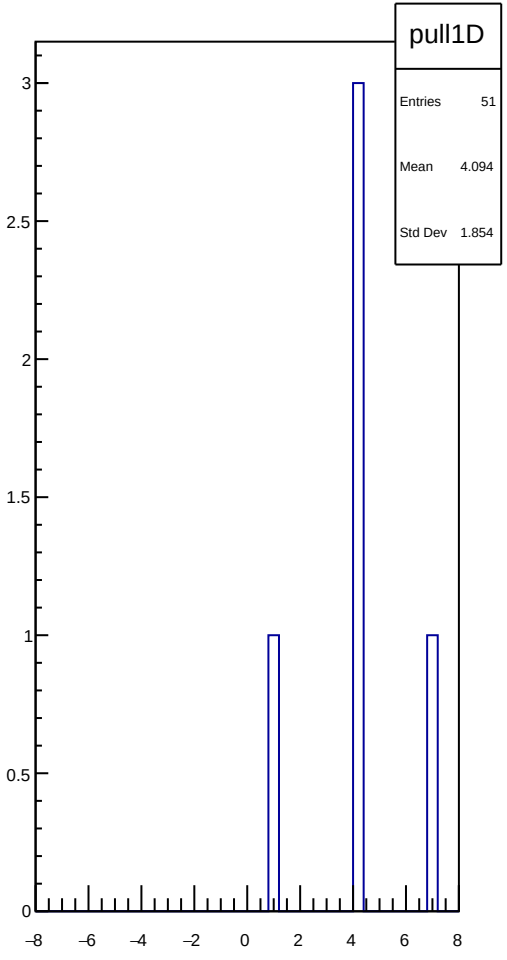

yield_bcm_dg_us_rms vs run
χ² / ndf 8.333e+04 / 50
p0 0.406 ± 0.0004323
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

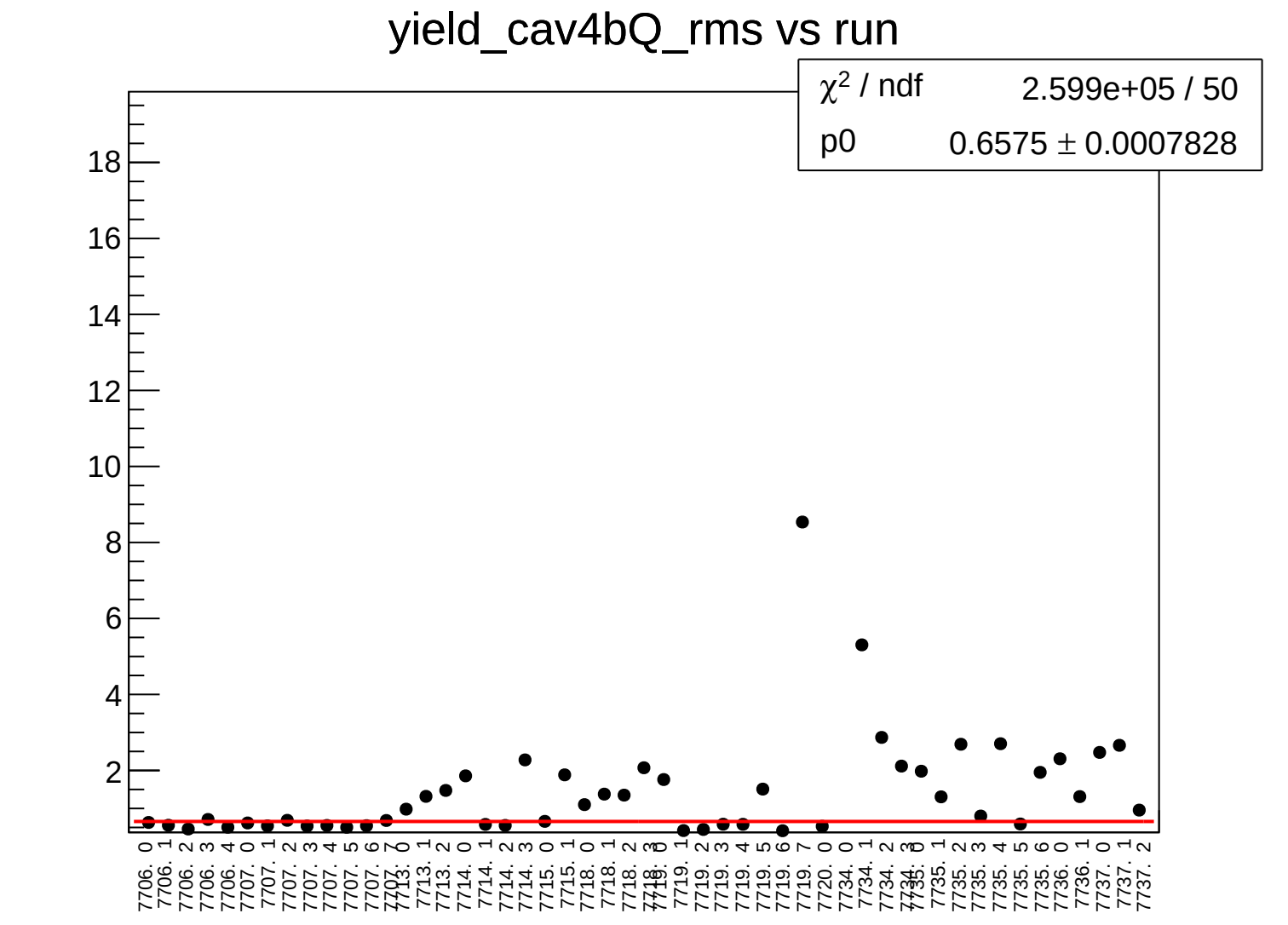

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.316e+06 / 50
p0 145.6 ± 0.0006244
150
145
140
135
130
125
120
115
110
pull
Entries 51
Mean 76.39
Std Dev 38.77
500
400
300
200
100
0
−100
−200
−300
−400

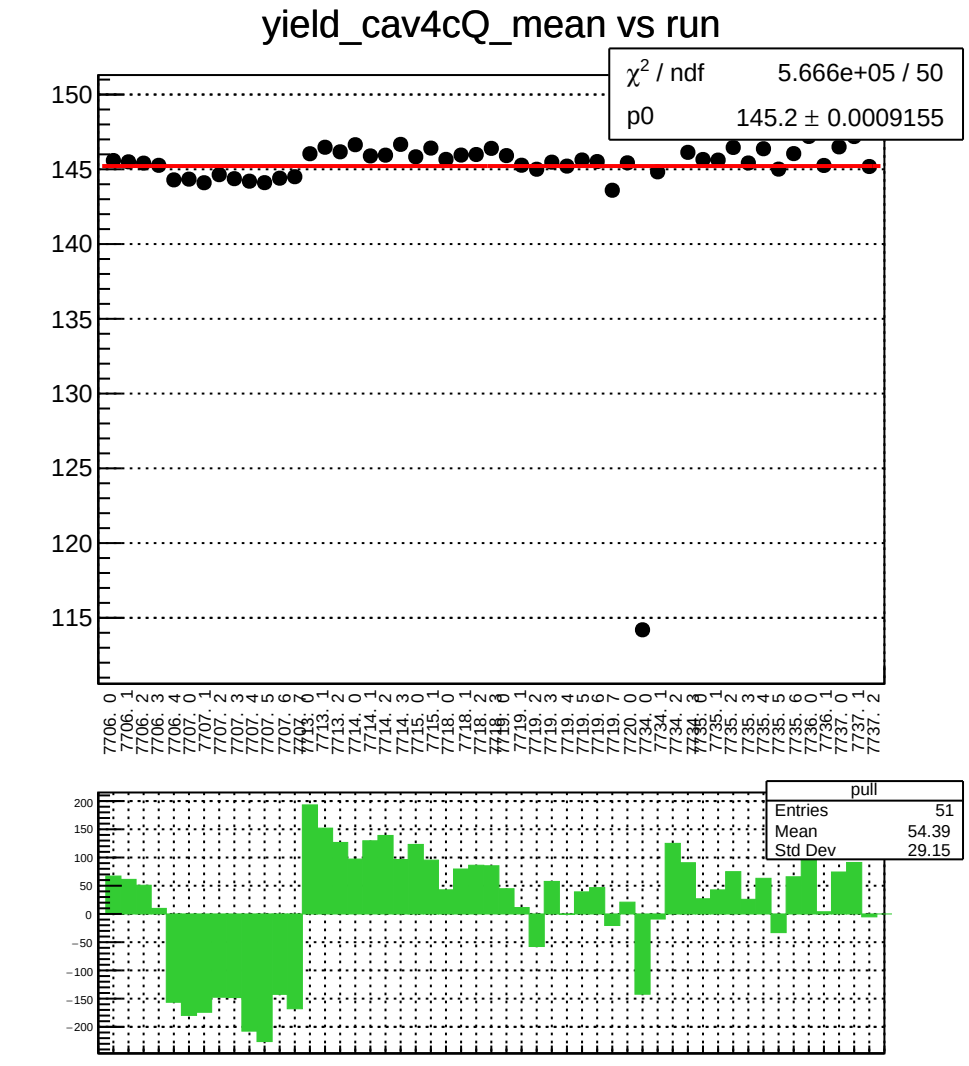

pull1D
Entries 51
Mean −4.261
Std Dev 0.2648
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

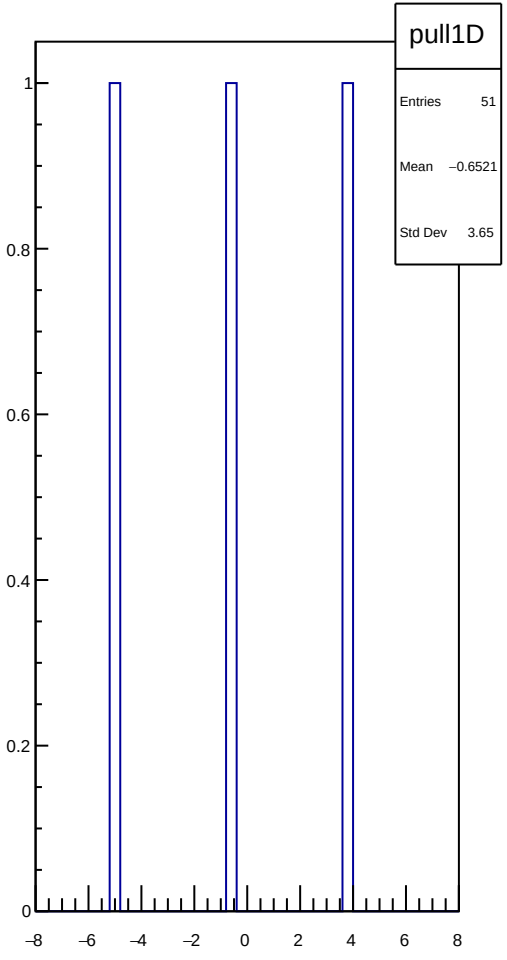

yield_bcm_dg_ds_rms vs run
χ² / ndf 8.816e+04 / 50
p0 0.4136 ± 0.0004415
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

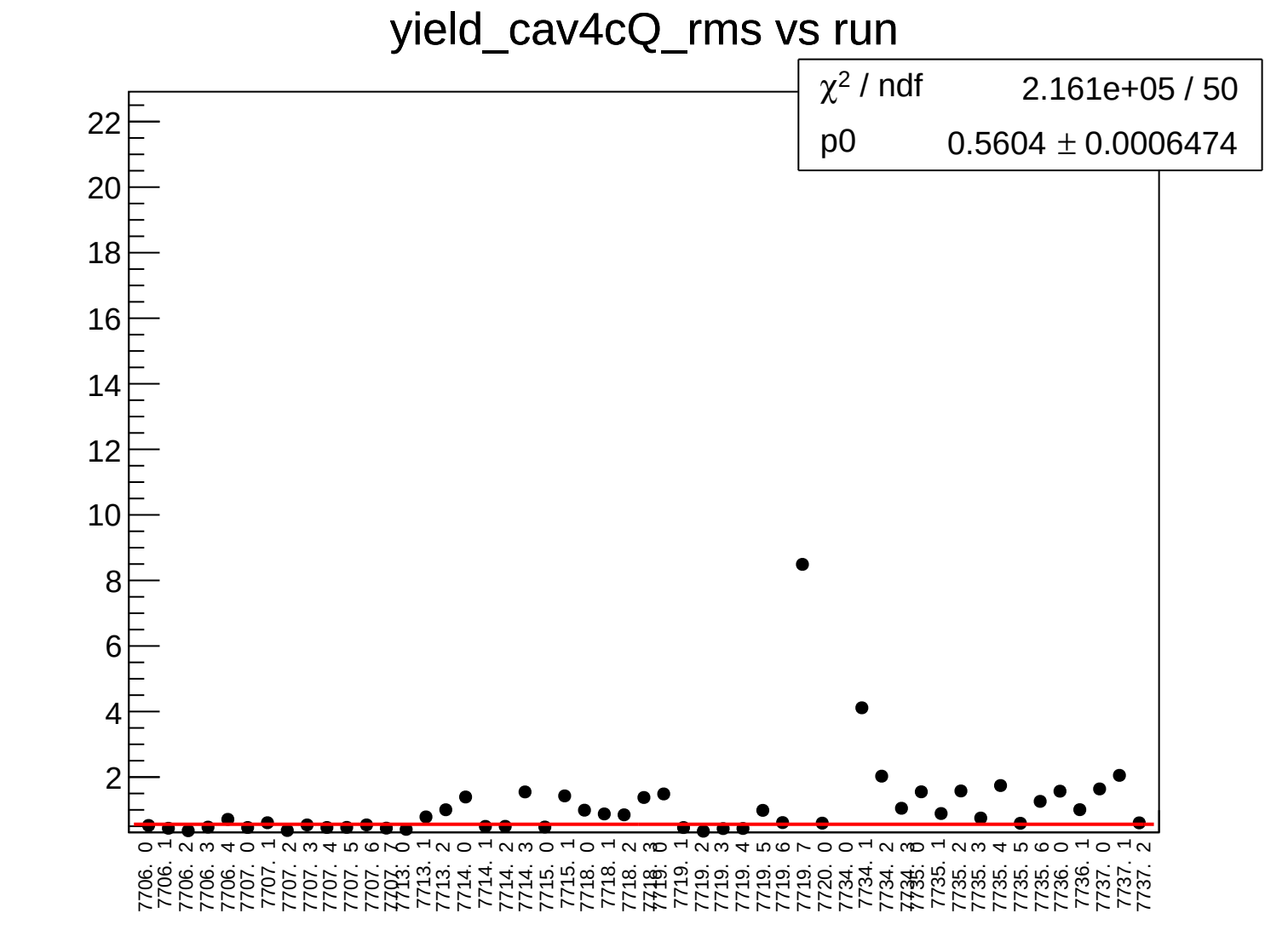

yield_cav4bQ_mean vs run
χ² / ndf 5.02e+05 / 50
p0 145.3 ± 0.001107
150
145
140
135
130
125
120
115
110
pull
Entries 51
Mean 54.93
Std Dev 20.24
200
100
0
−100
−200

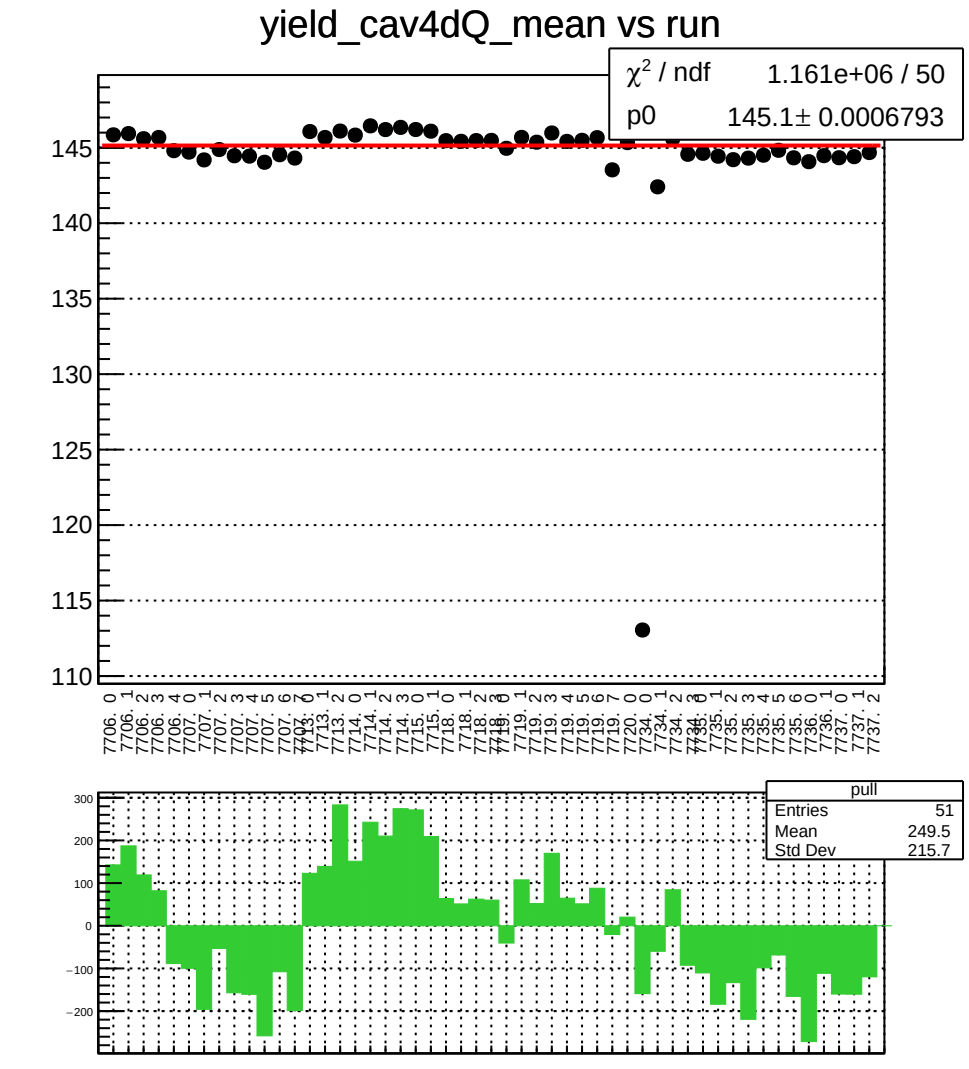

pull1D
Entries 51
Mean 4.094
Std Dev 1.854
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

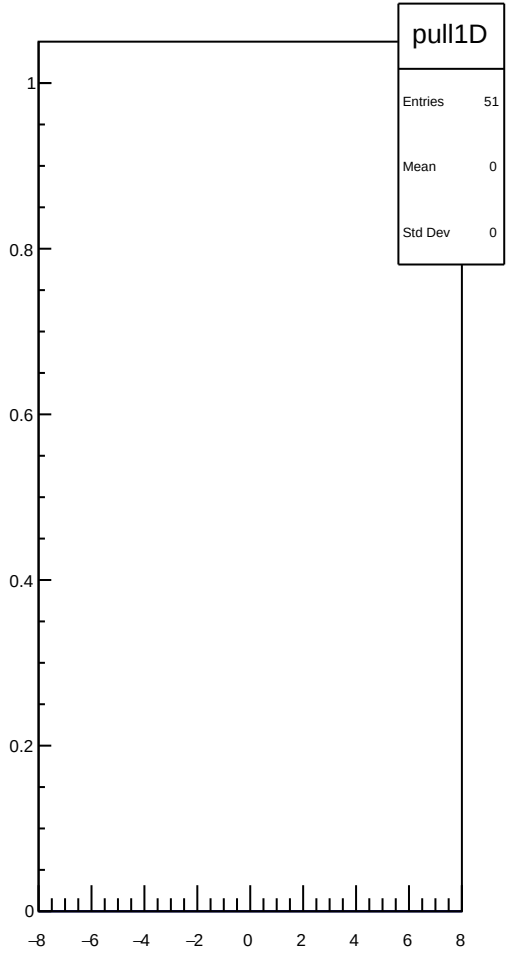

yield_cav4bQ_rms vs run
χ² / ndf 2.599e+05 / 50
p0 0.6575 ± 0.0007828
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

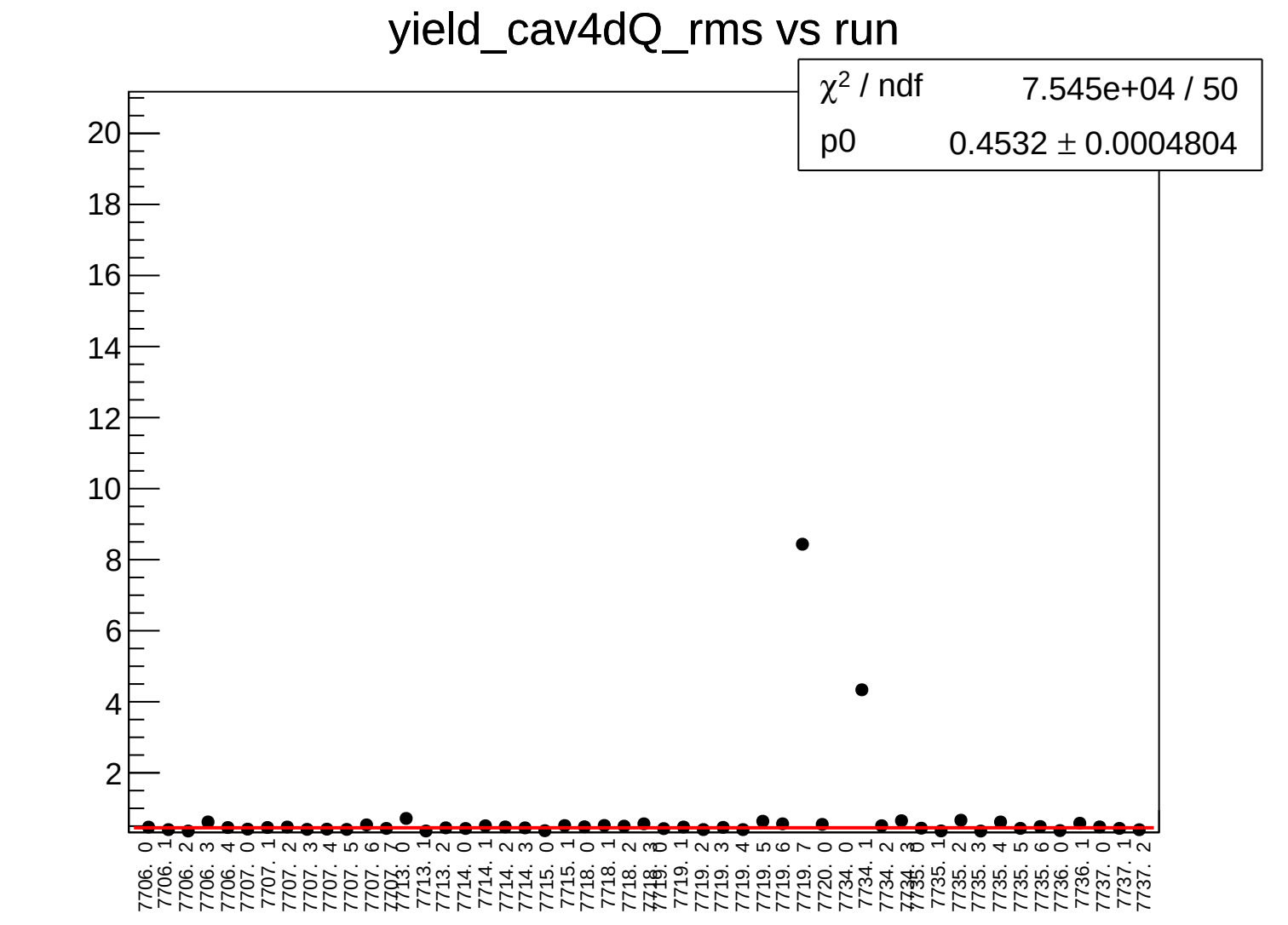

yield_cav4cQ_mean vs run
χ² / ndf 5.666e+05 / 50
p0 145.2 ± 0.0009155
150
145
140
135
130
125
120
115
pull
Entries 51
Mean 54.39
Std Dev 29.15
200
150
100
50
0
−50
−100
−150
−200

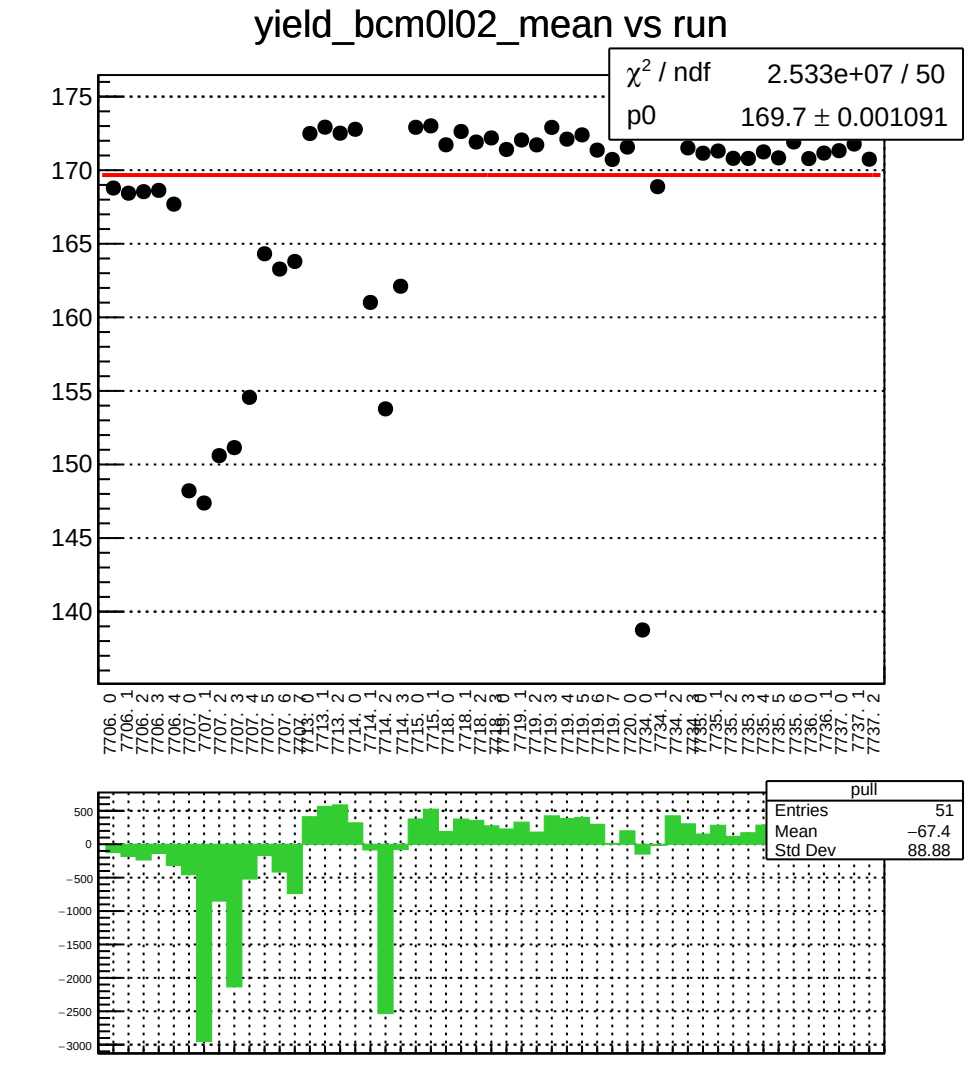

pull1D
Entries 51
Mean −0.6521
Std Dev 3.65
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

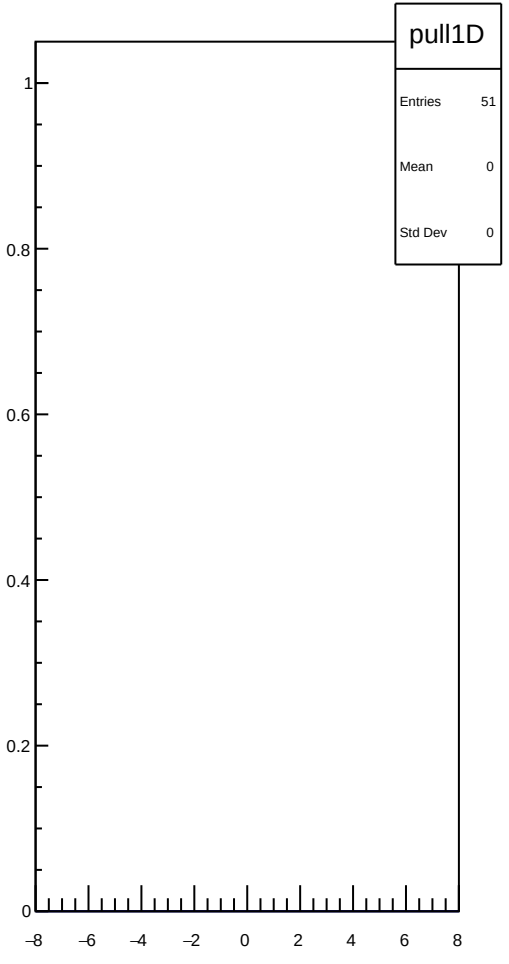

yield_cav4cQ_rms vs run
χ² / ndf 2.161e+05 / 50
p0 0.5604 ± 0.0006474
22
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

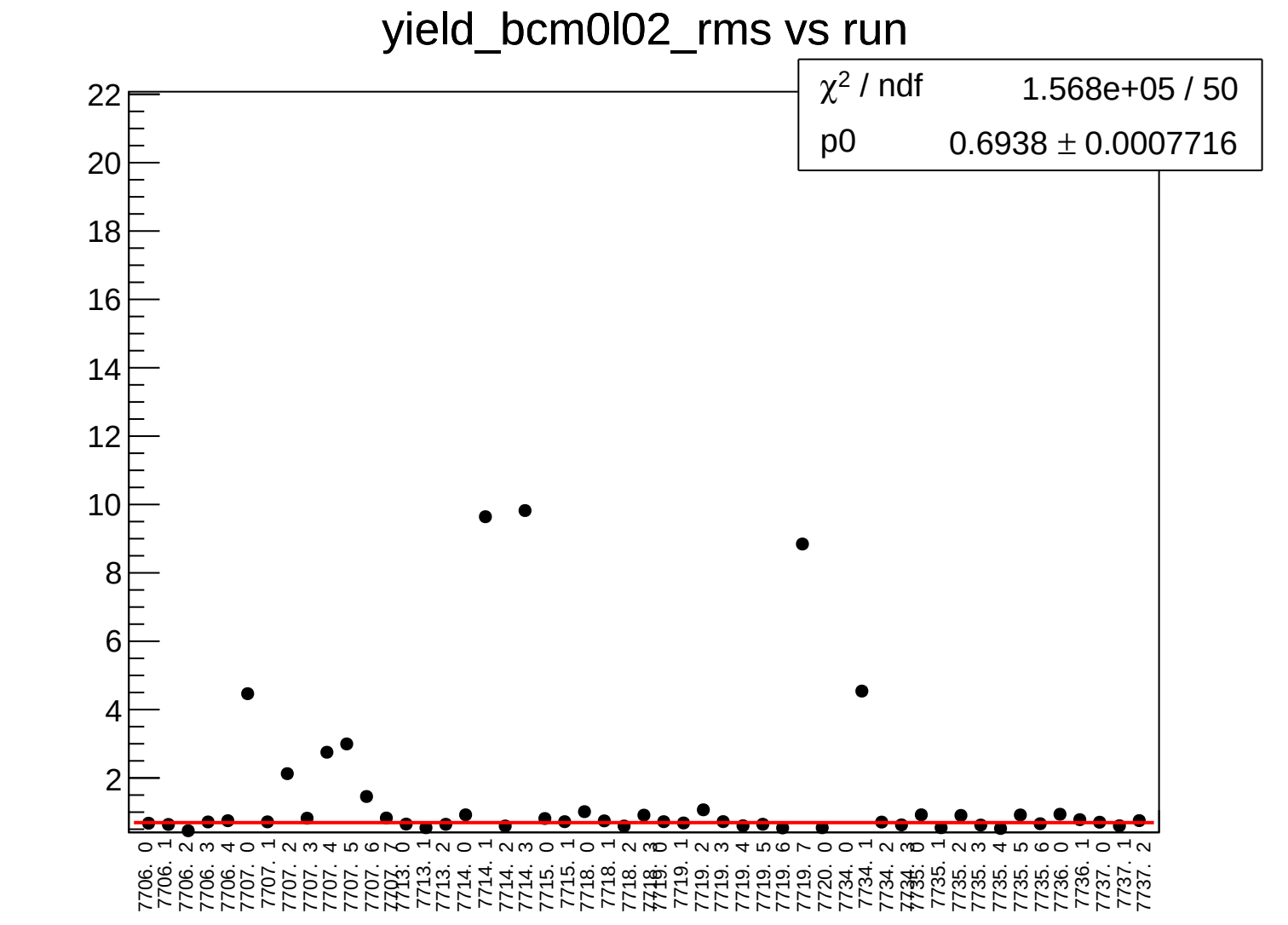

yield_cav4dQ_mean vs run
χ² / ndf 1.161e+06 / 50
p0 145.1± 0.0006793
145
140
135
130
125
120
115
110
pull
Entries 51
Mean 249.5
Std Dev 215.7
300
200
100
0
−100
−200

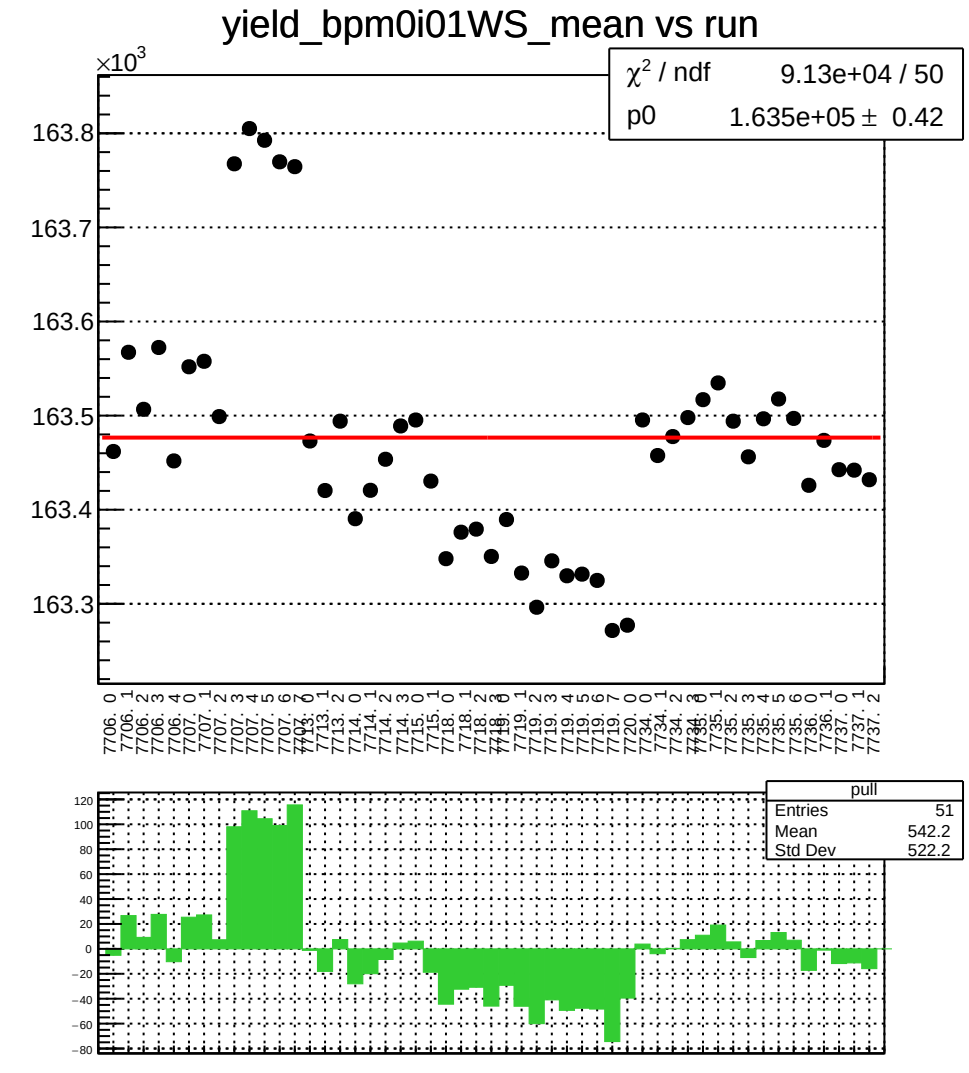

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

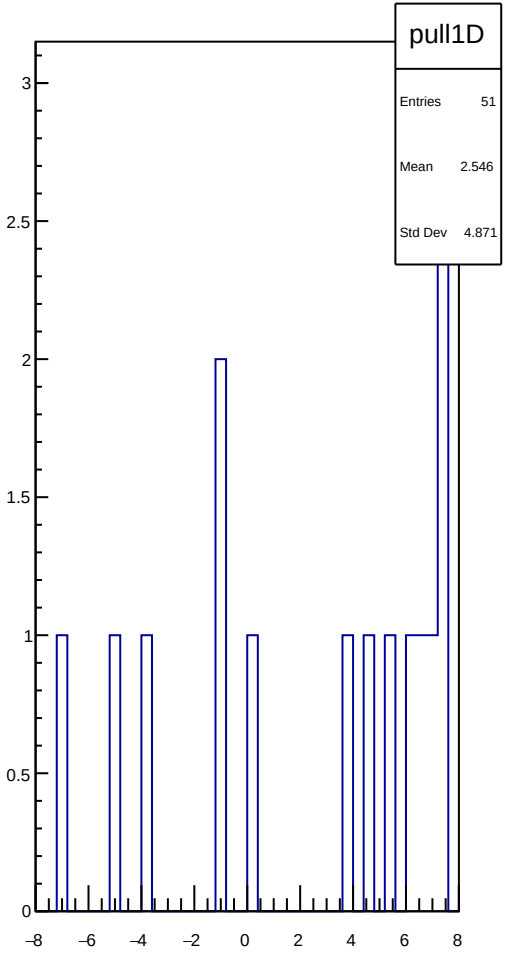

yield_cav4dQ_rms vs run
χ² / ndf 7.545e+04 / 50
p0 0.4532 ± 0.0004804
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

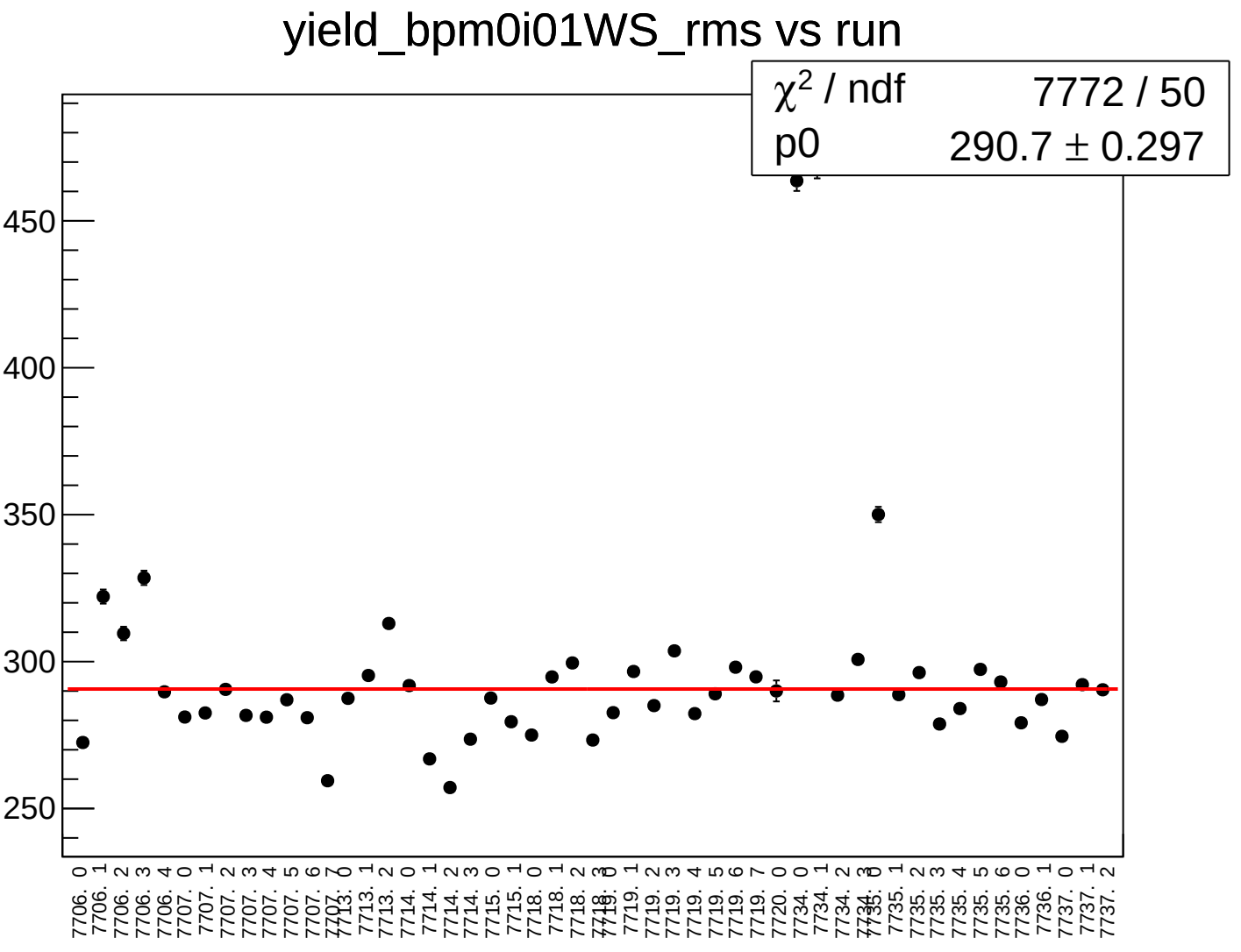

yield_bcm0l02_mean vs run
χ² / ndf 2.533e+07 / 50
p0 169.7 ± 0.001091
175
170
165
160
155
150
145
140
pull
Entries 51
Mean −67.4
Std Dev 88.88
500
0
−500
−1000
−1500
−2000
−2500
−3000

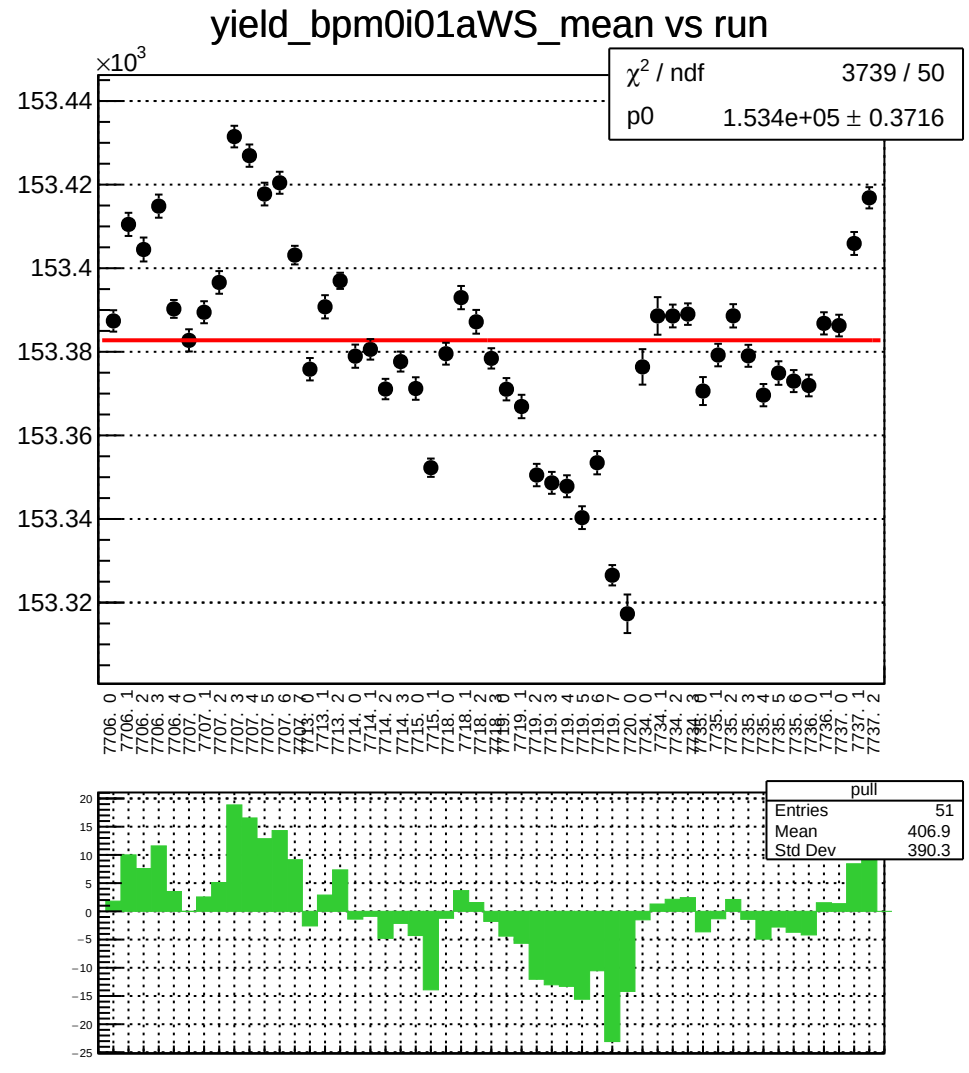

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

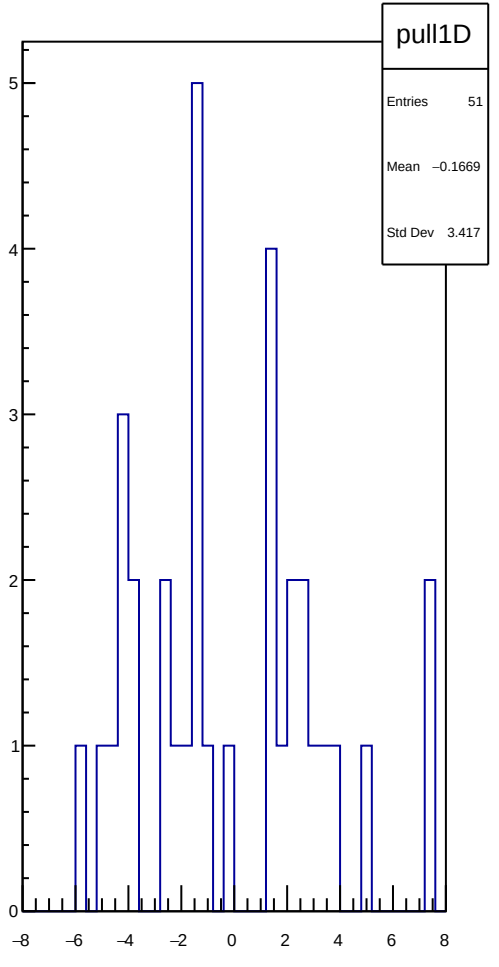

yield_bcm0l02_rms vs run
χ² / ndf 1.568e+05 / 50
p0 0.6938 ± 0.0007716
22
20
18
16
14
12
10
8
6
4
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

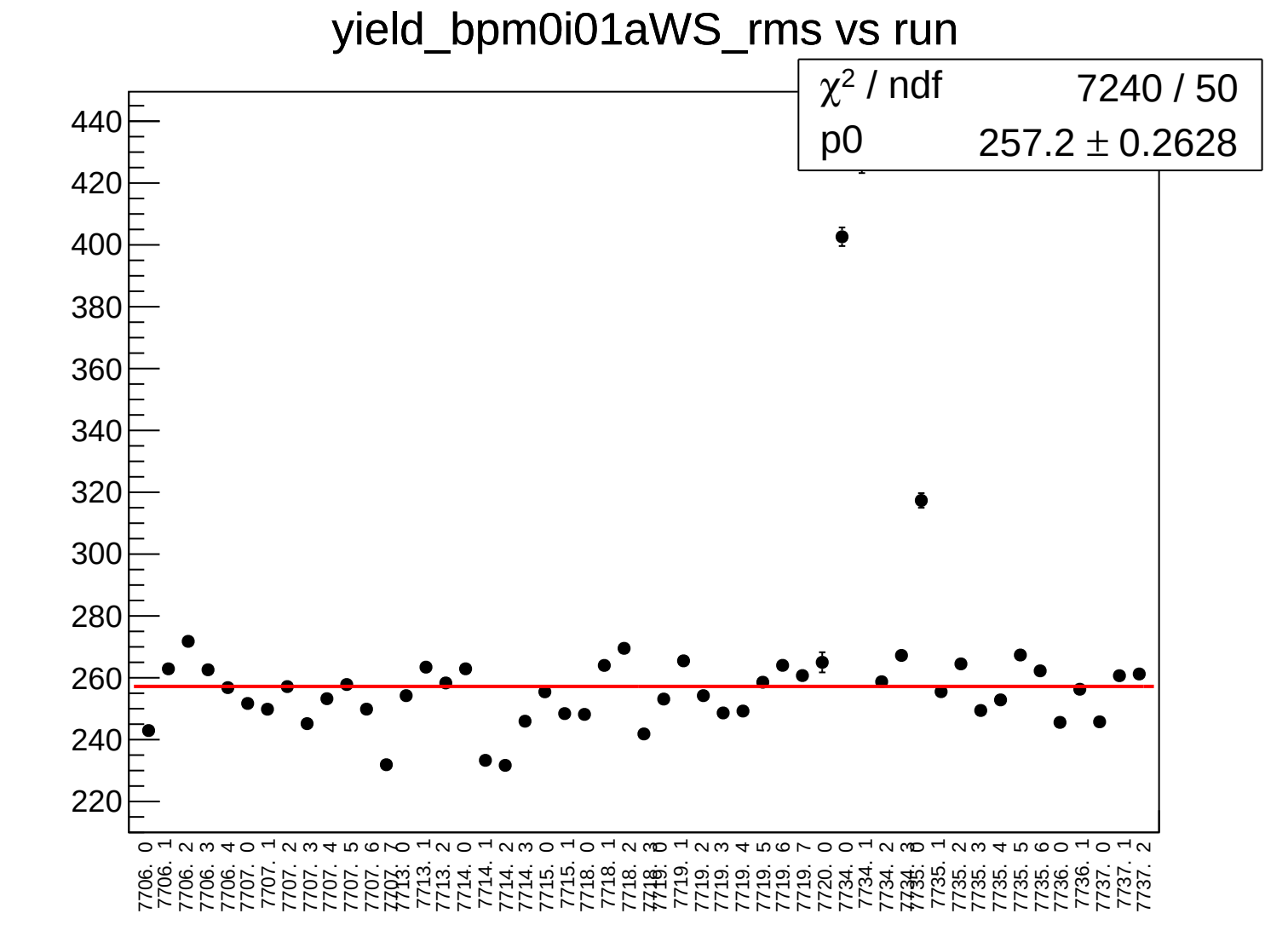

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 9.13e+04 / 50
p0 1.635e+05 ± 0.42
163.8
163.7
163.6
163.5
163.4
163.3
pull
Entries 51
Mean 542.2
Std Dev 522.2

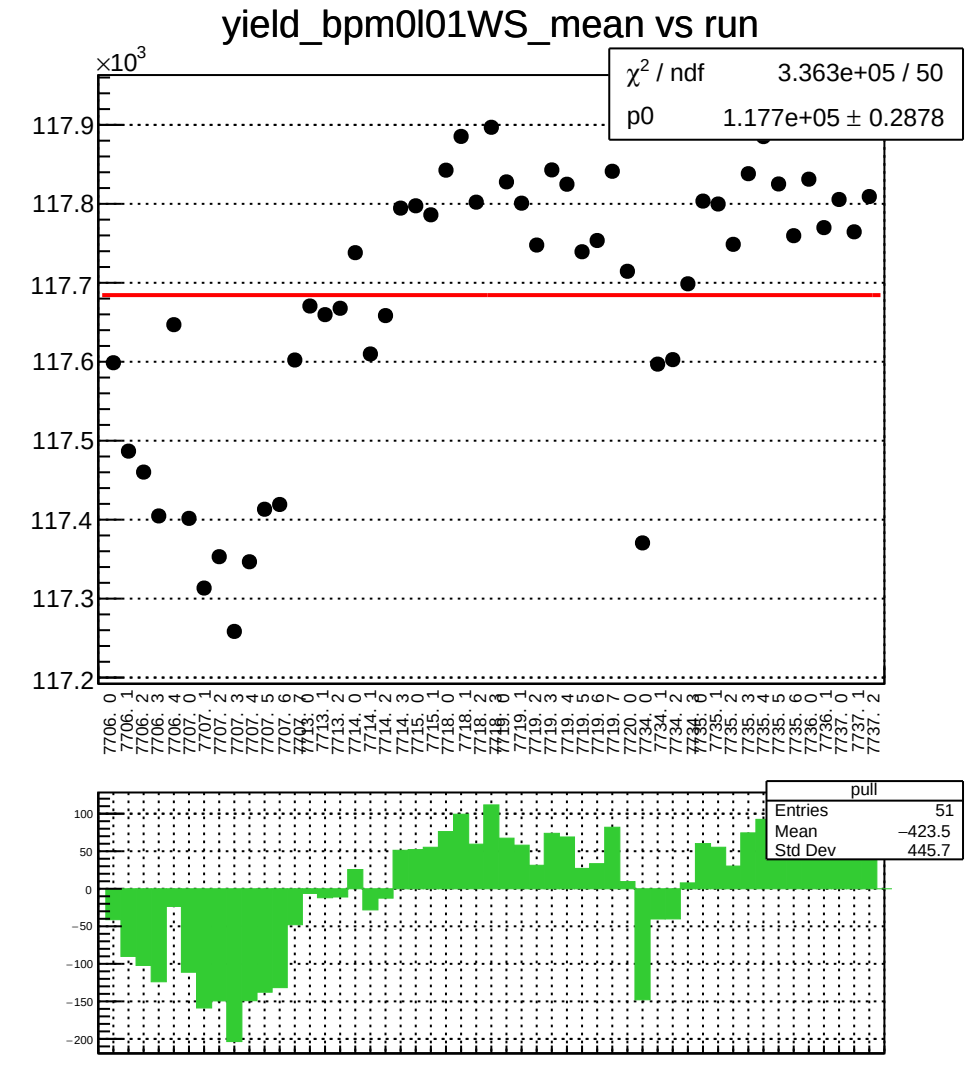

pull1D
Entries 51
Mean 2.546
Std Dev 4.871

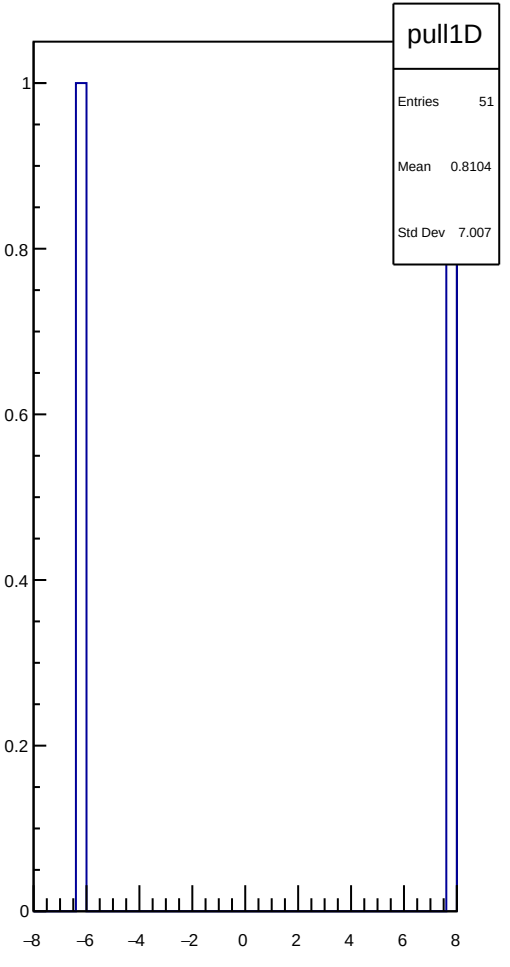

yield_bpm0i01WS_rms vs run
χ^2 / ndf 7772 / 50
p0 290.7 ± 0.297
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

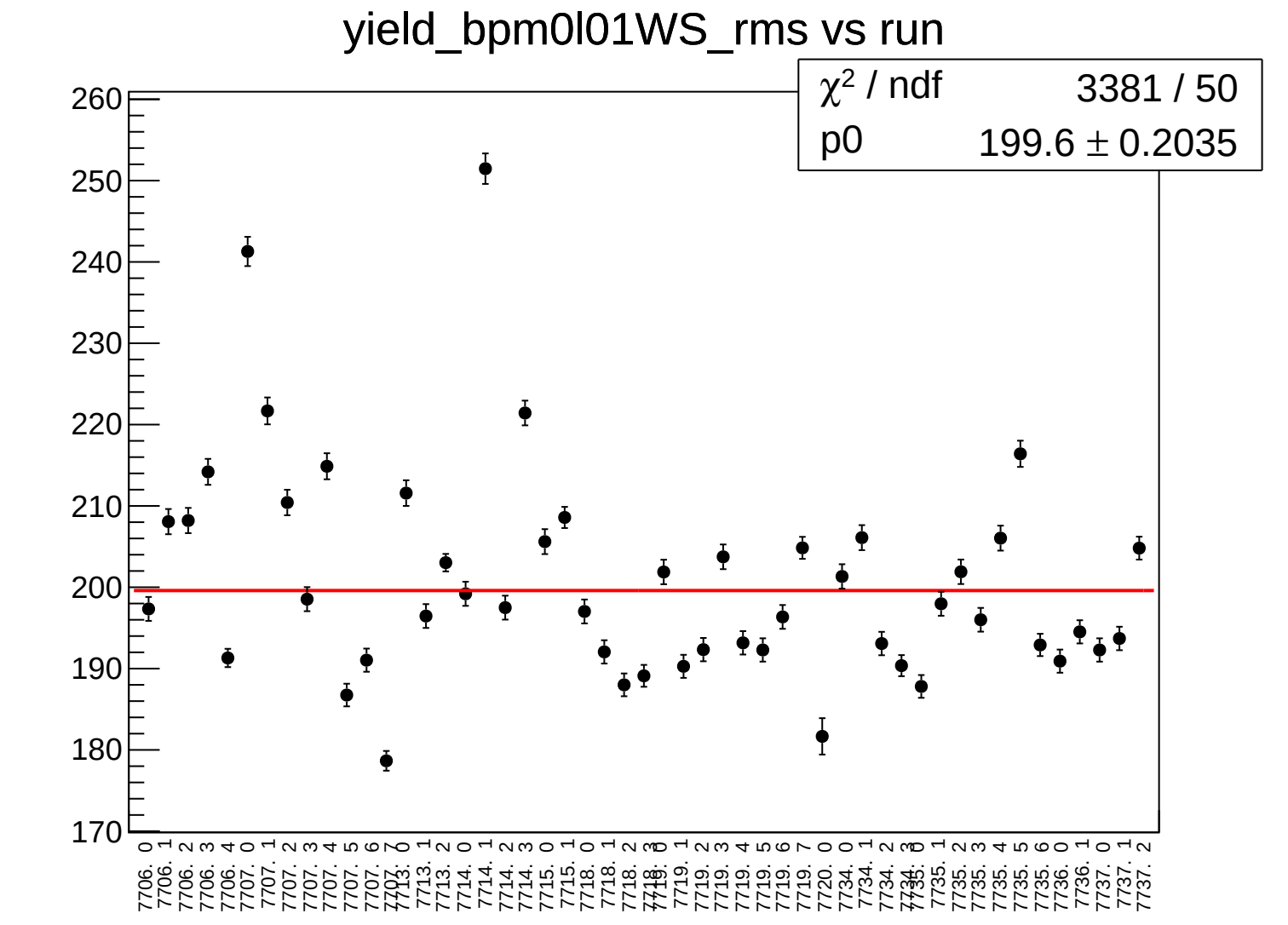

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 3739 / 50
p0 1.534e+05 ± 0.3716
153.44
153.42
153.4
153.38
153.36
153.34
153.32
pull
Entries 51
Mean 406.9
Std Dev 390.3
20
15
10
5
0
−5
−10
−15
−20
−25

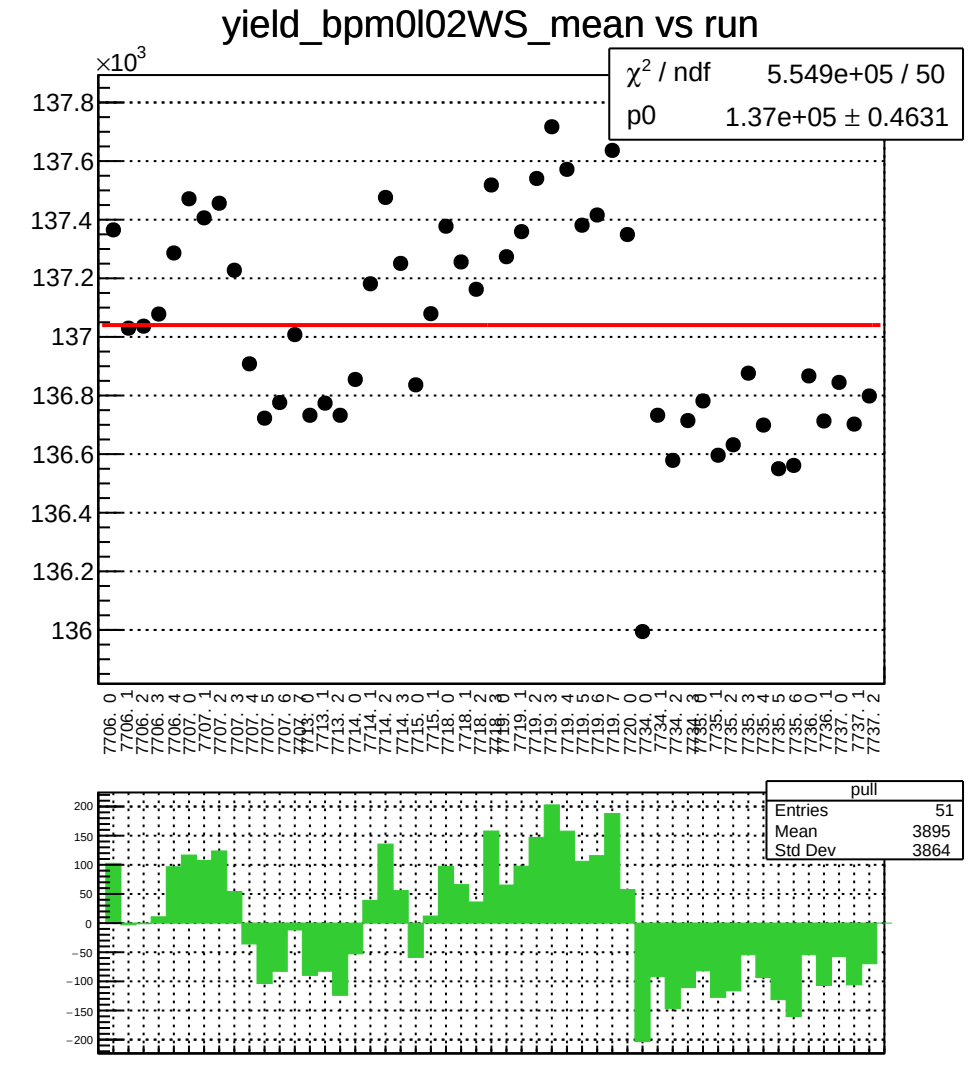

pull1D
Entries 51
Mean −0.1669
Std Dev 3.417
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

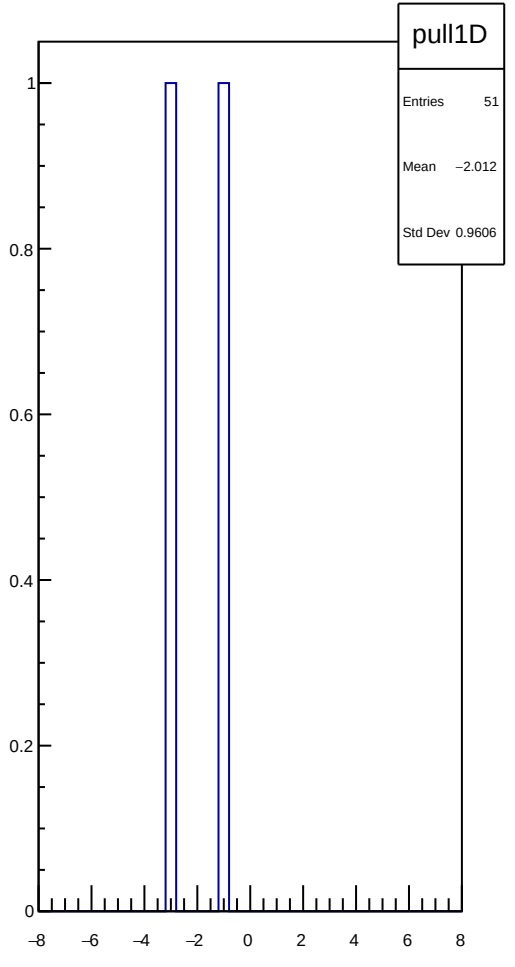

yield_bpm0i01aWS_rms vs run
χ^2 / ndf 7240 / 50
p0 257.2 ± 0.2628
440
420
400
380
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

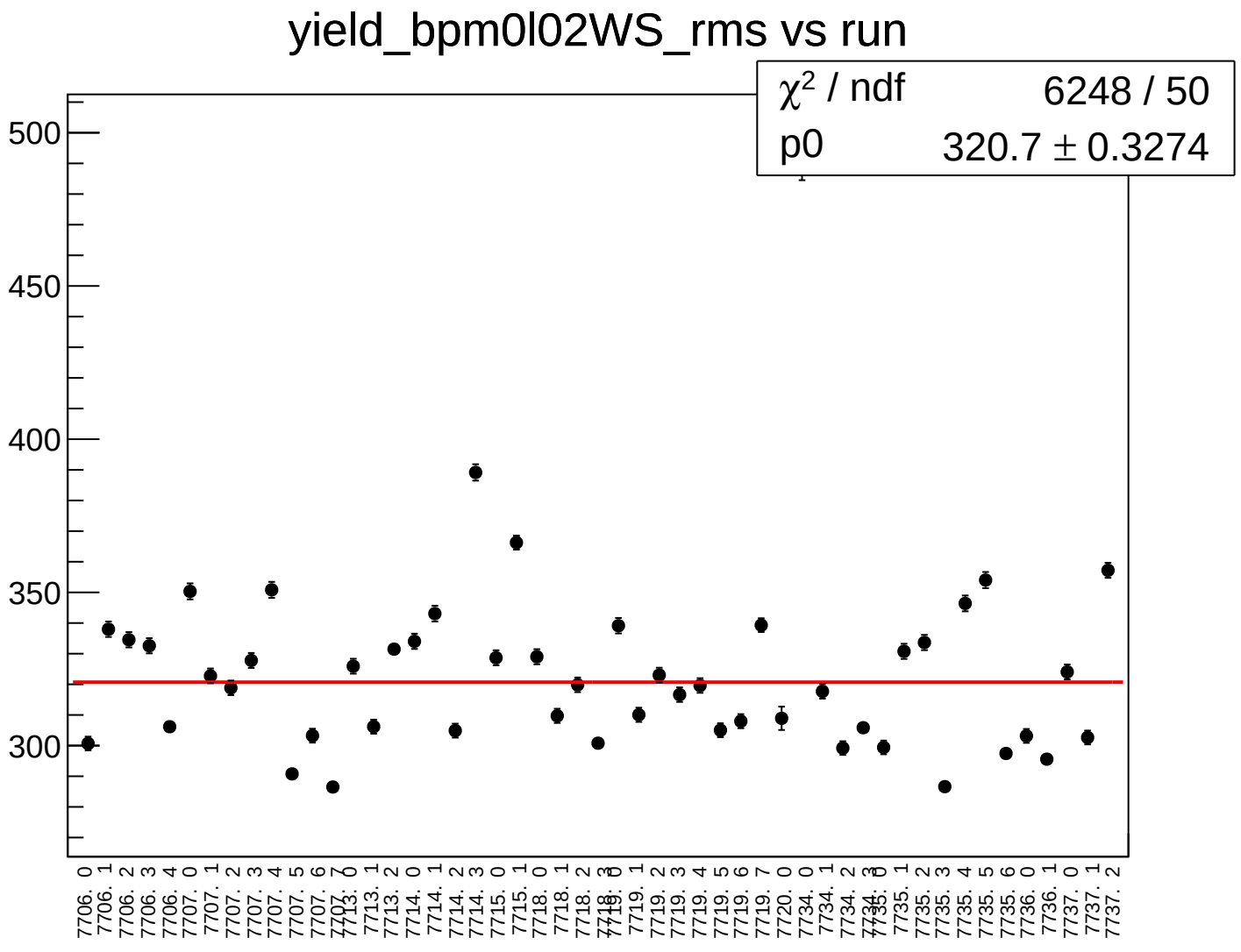

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.363e+05 / 50
p0 1.177e+05 ± 0.2878
117.9
117.8
117.7
117.6
117.5
117.4
117.3
117.2
pull
Entries 51
Mean −423.5
Std Dev 445.7
100
50
0
−50
−100
−150
−200

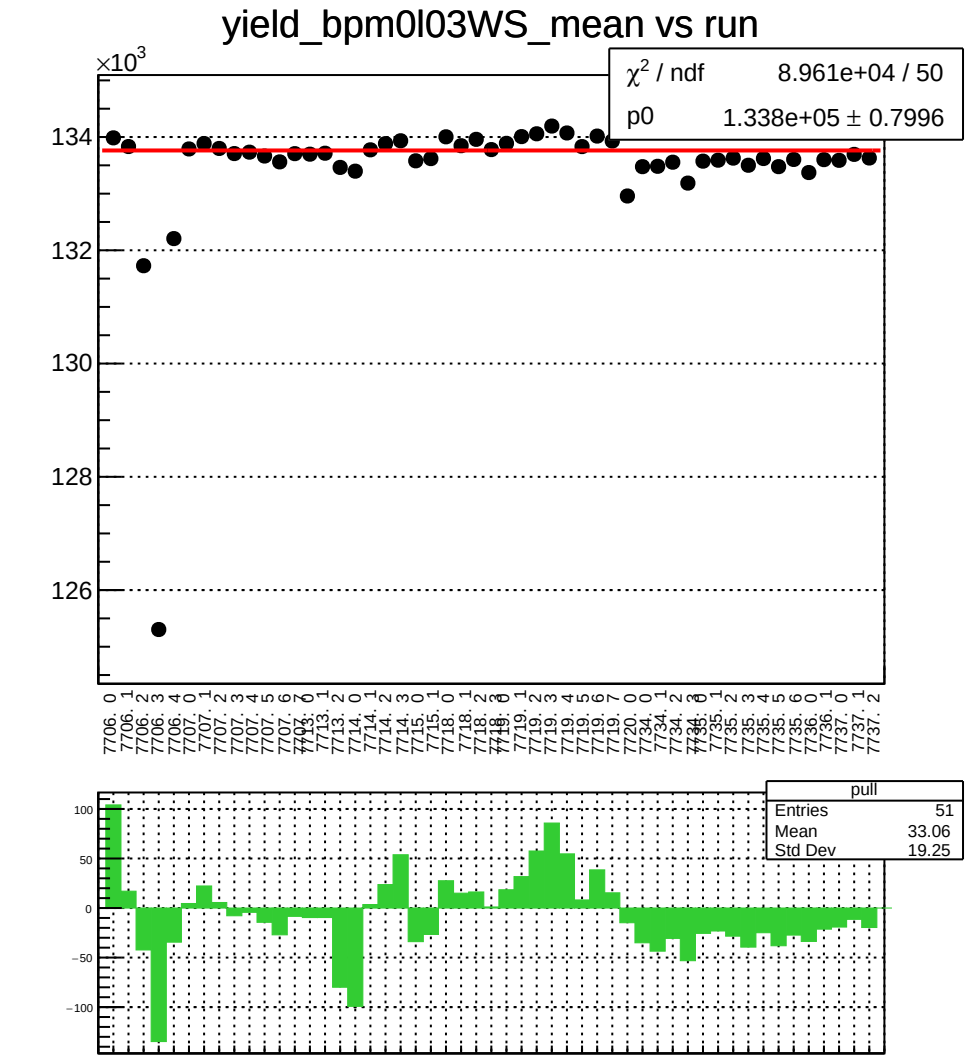

pull1D
Entries 51
Mean 0.8104
Std Dev 7.007
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

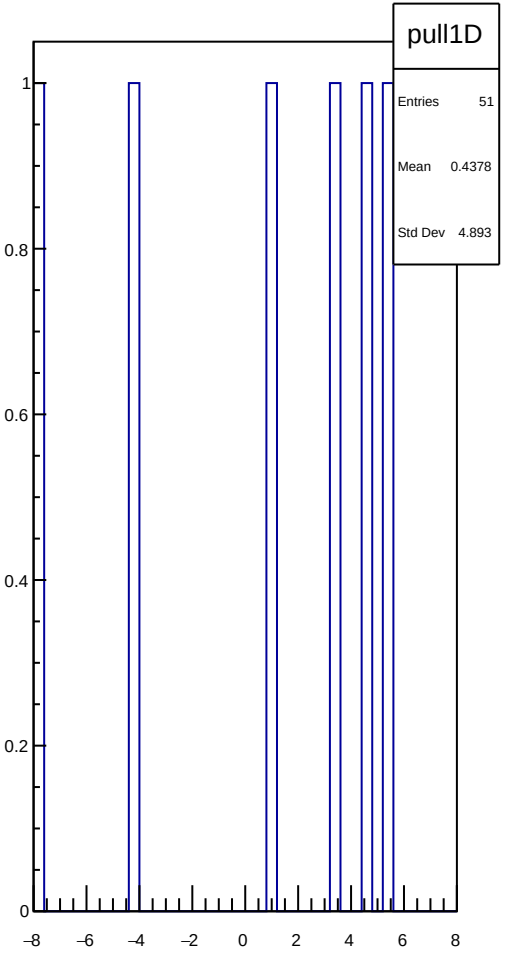

yield_bpm0l01WS_rms vs run
χ² / ndf 3381 / 50
p0 199.6 ± 0.2035
260
250
240
230
220
210
200
190
180
170
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

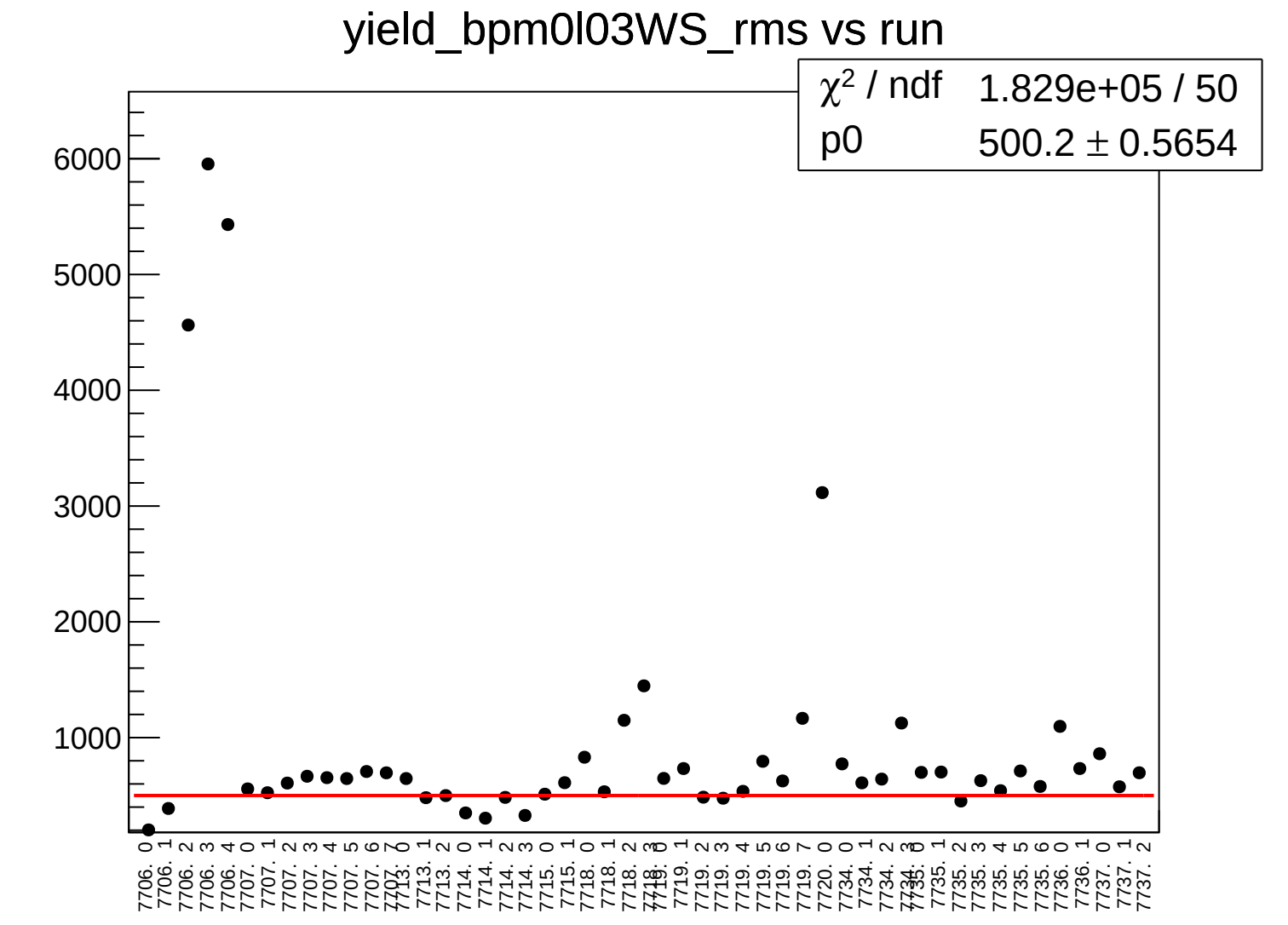

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 5.549e+05 / 50
p0 1.37e+05 ± 0.4631
137.8
137.6
137.4
137.2
137
136.8
136.6
136.4
136.2
136
pull
Entries 51
Mean 3895
Std Dev 3864
200
150
100
50
0
−50
−100
−150
−200

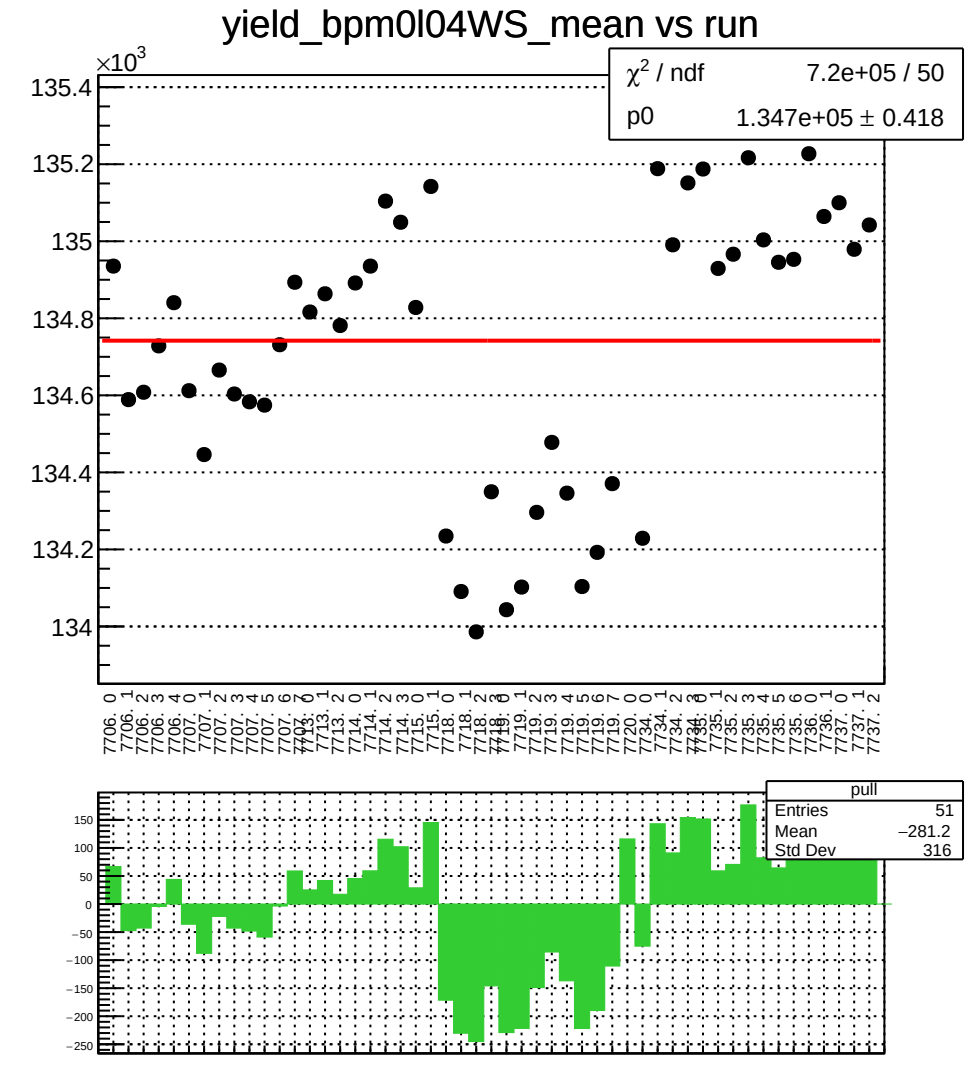

pull1D
Entries 51
Mean −2.012
Std Dev 0.9606
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

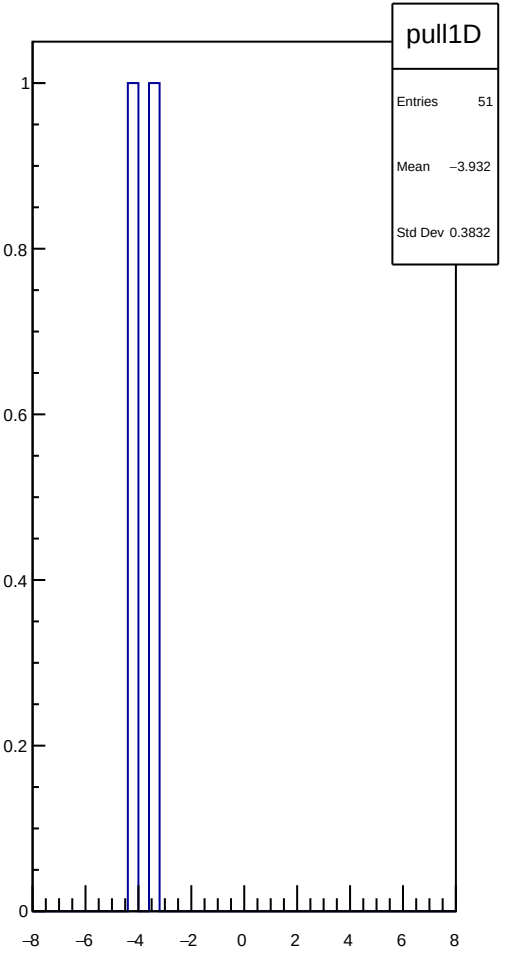

yield_bpm0l02WS_rms vs run
χ² / ndf 6248 / 50
p0 320.7 ± 0.3274
500
450
400
350
300
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

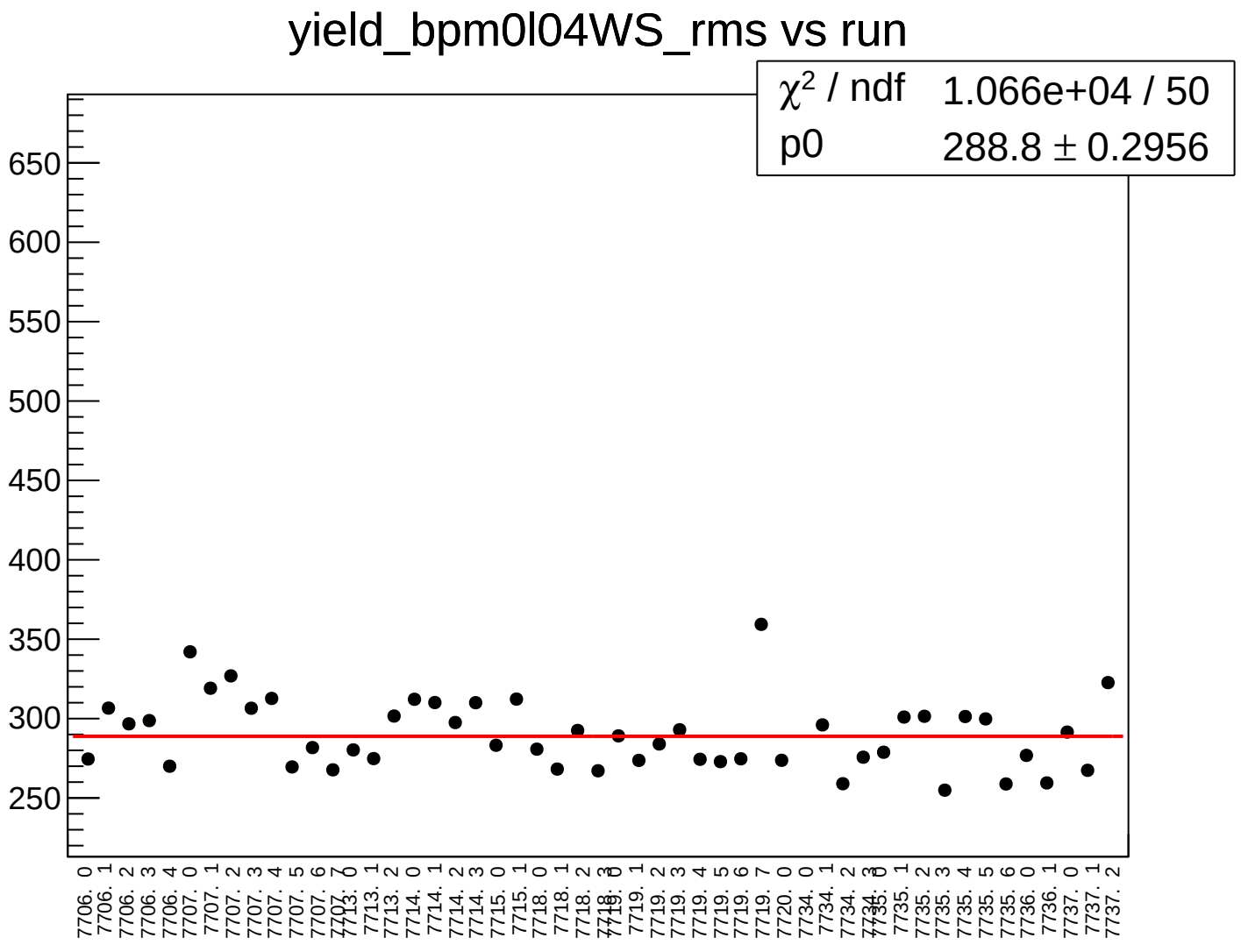

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 8.961e+04 / 50
p0 1.338e+05 ± 0.7996
134
132
130
128
126
pull
Entries 51
Mean 33.06
Std Dev 19.25
100
50
0
−50
−100

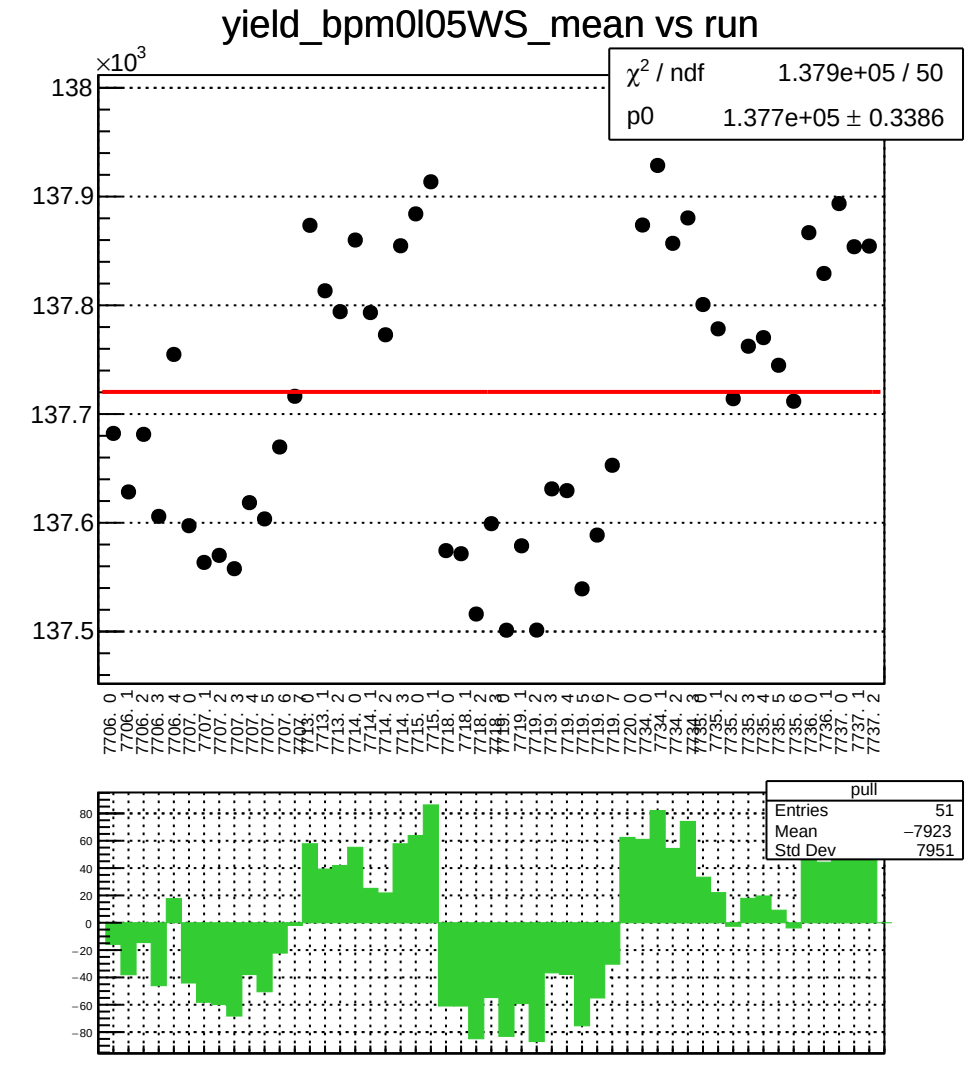

pull1D
Entries 51
Mean 0.4378
Std Dev 4.893
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

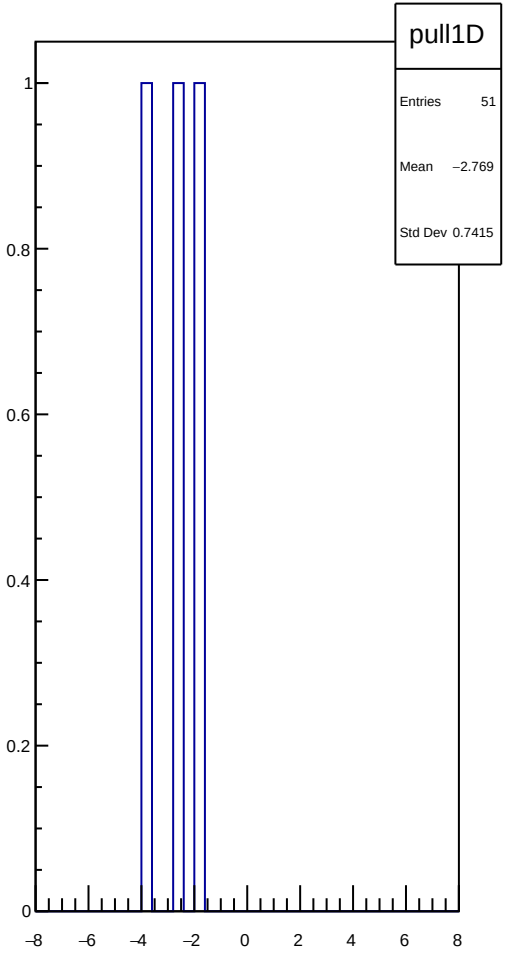

yield_bpm0l03WS_rms vs run
χ² / ndf 1.829e+05 / 50
p0 500.2 ± 0.5654
6000
5000
4000
3000
2000
1000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

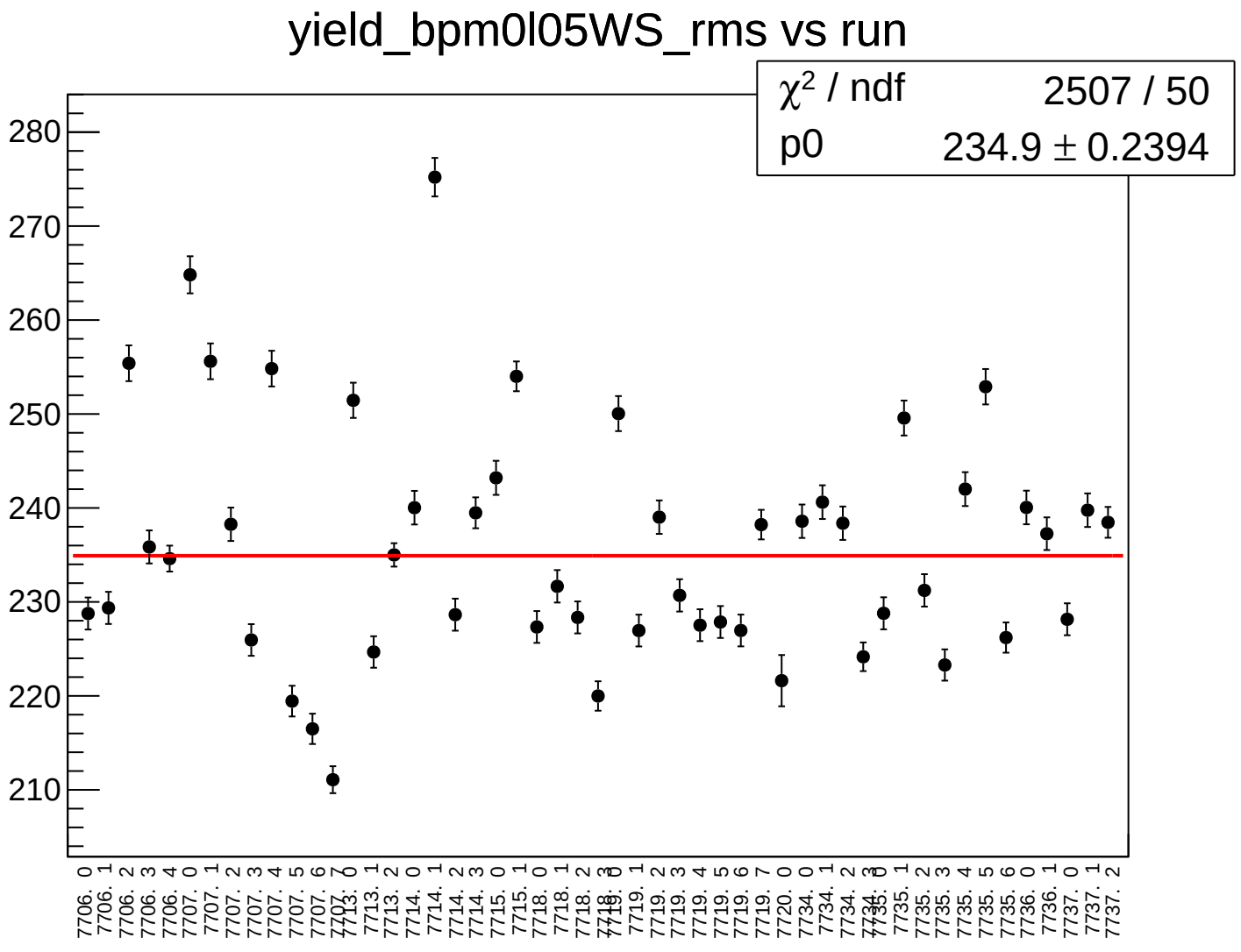

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 7.2e+05 / 50
p0 1.347e+05 ± 0.418
135.4
135.2
135
134.8
134.6
134.4
134.2
134
pull
Entries 51
Mean −281.2
Std Dev 316
150
100
50
0
−50
−100
−150
−200
−250

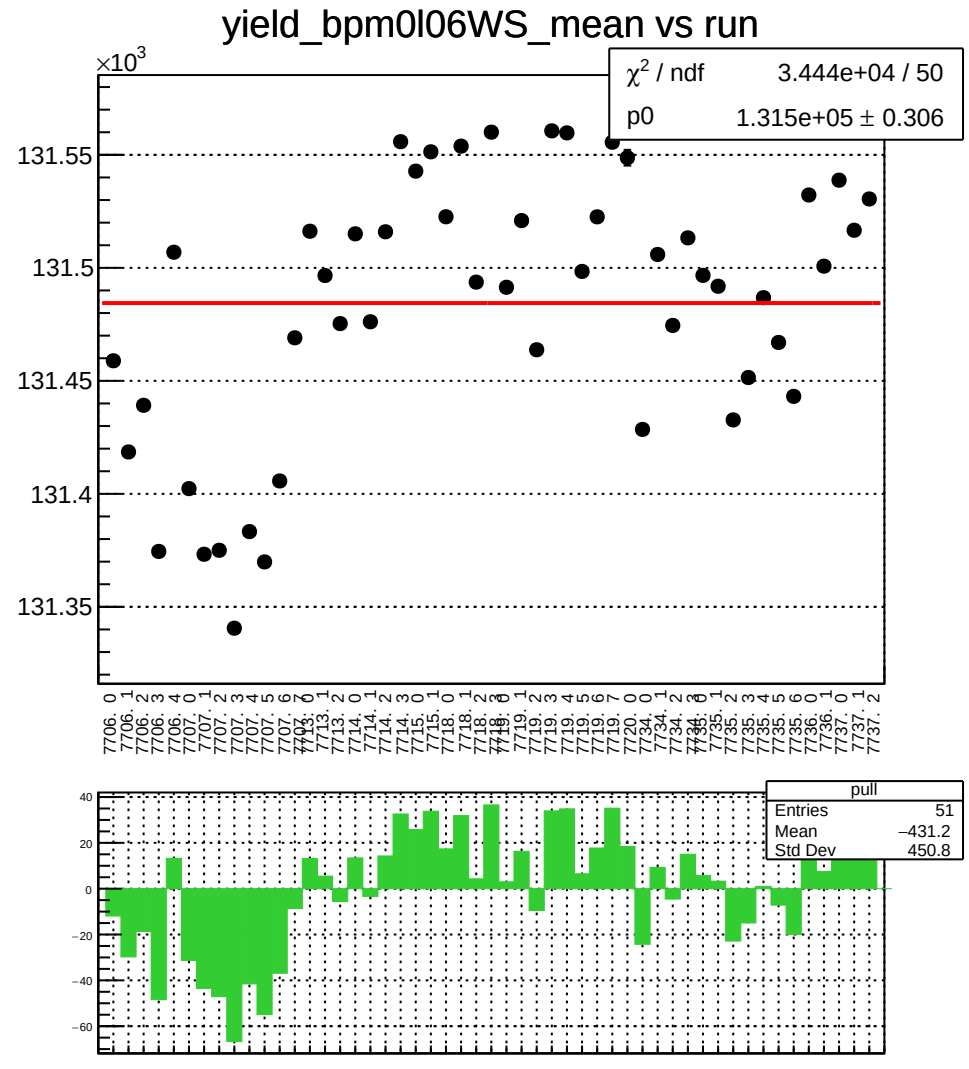

pull1D
Entries 51
Mean −3.932
Std Dev 0.3832
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

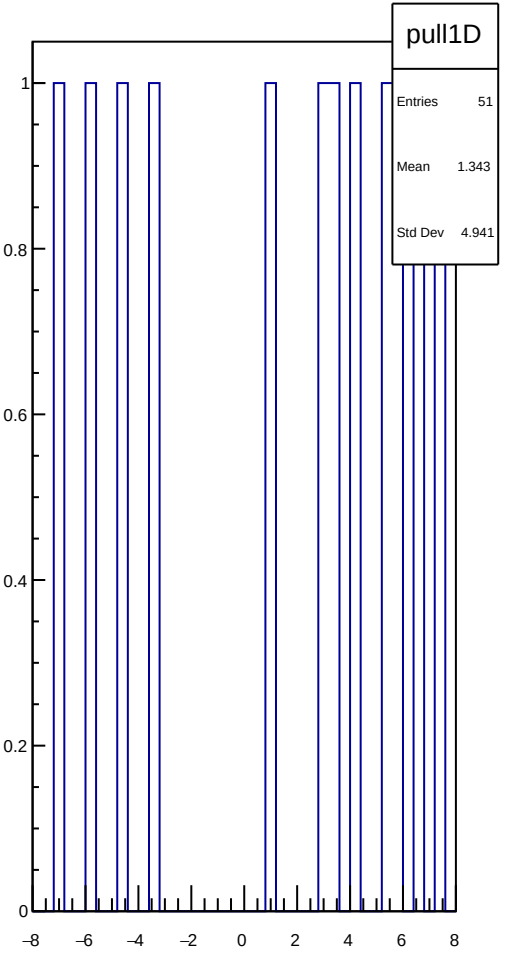

yield_bpm0l04WS_rms vs run
χ² / ndf 1.066e+04 / 50
p0 288.8 ± 0.2956
650
600
550
500
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

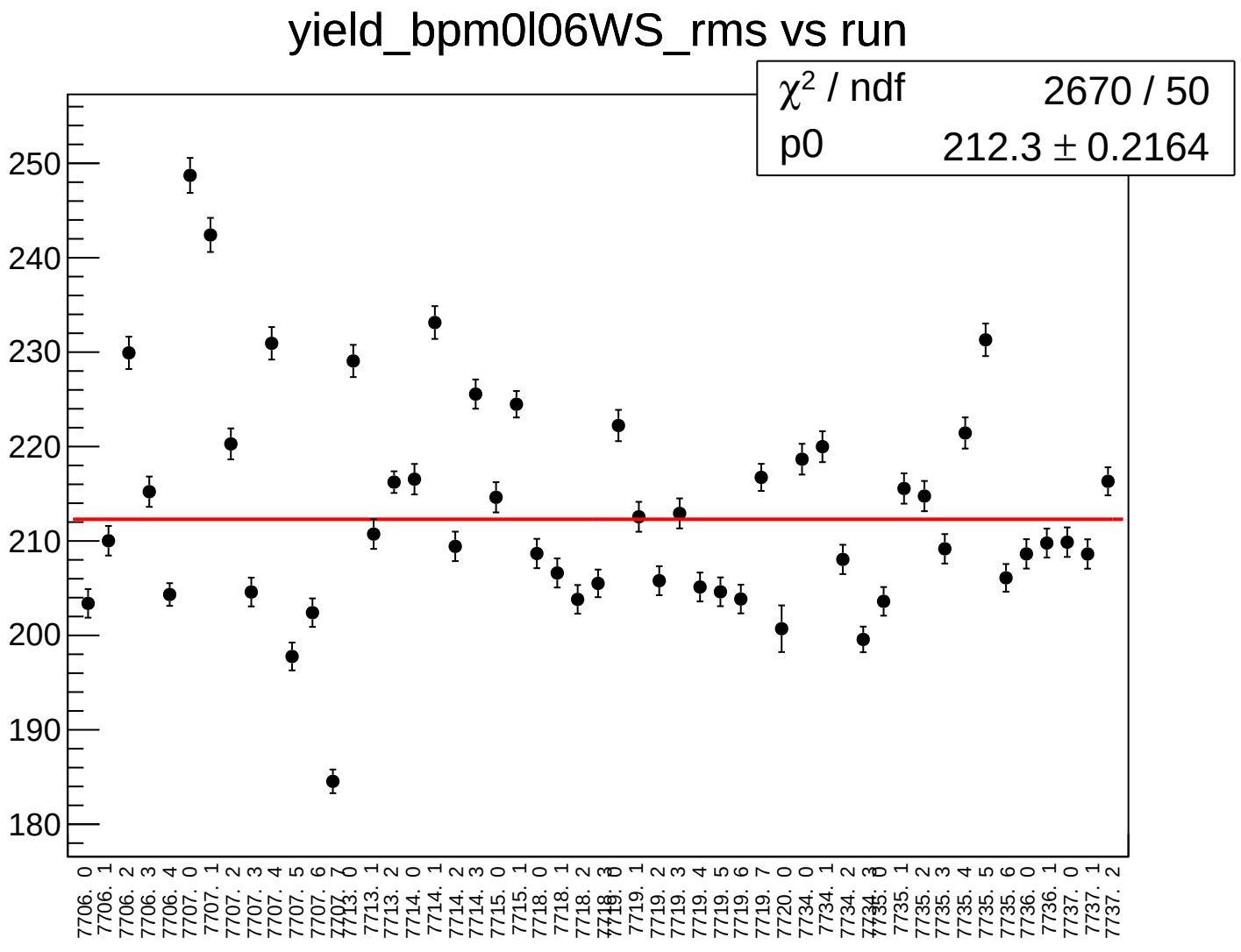

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 1.379e+05 / 50
p0 1.377e+05 ± 0.3386
138
137.9
137.8
137.7
137.6
137.5
pull
Entries 51
Mean −7923
Std Dev 7951
80
60
40
20
0
−20
−40
−60
−80

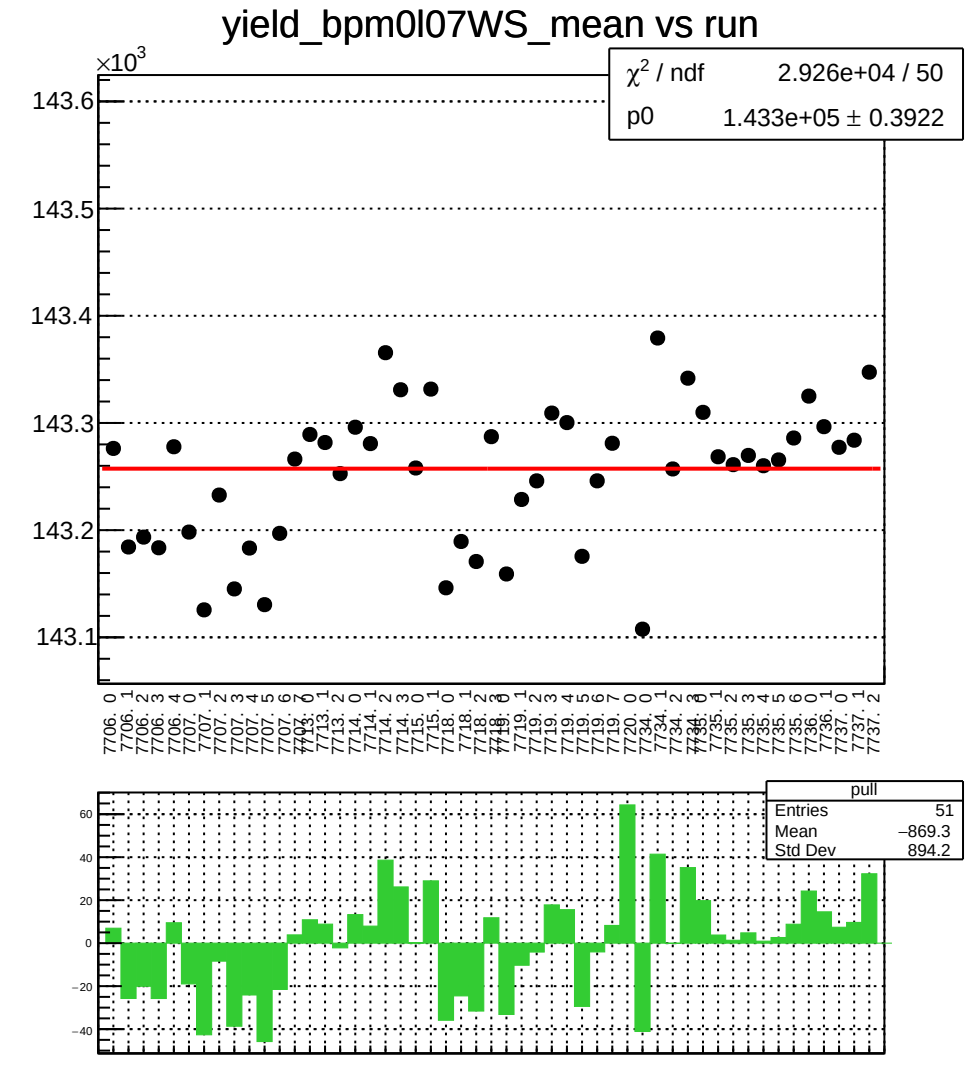

pull1D
Entries 51
Mean −2.769
Std Dev 0.7415
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

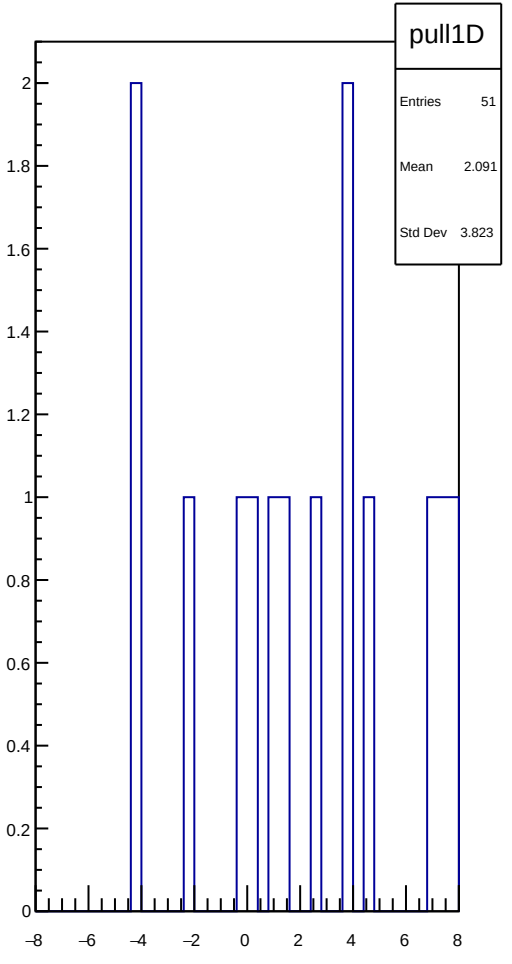

yield_bpm0l05WS_rms vs run
χ² / ndf 2507 / 50
p0 234.9 ± 0.2394
280
270
260
250
240
230
220
210
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

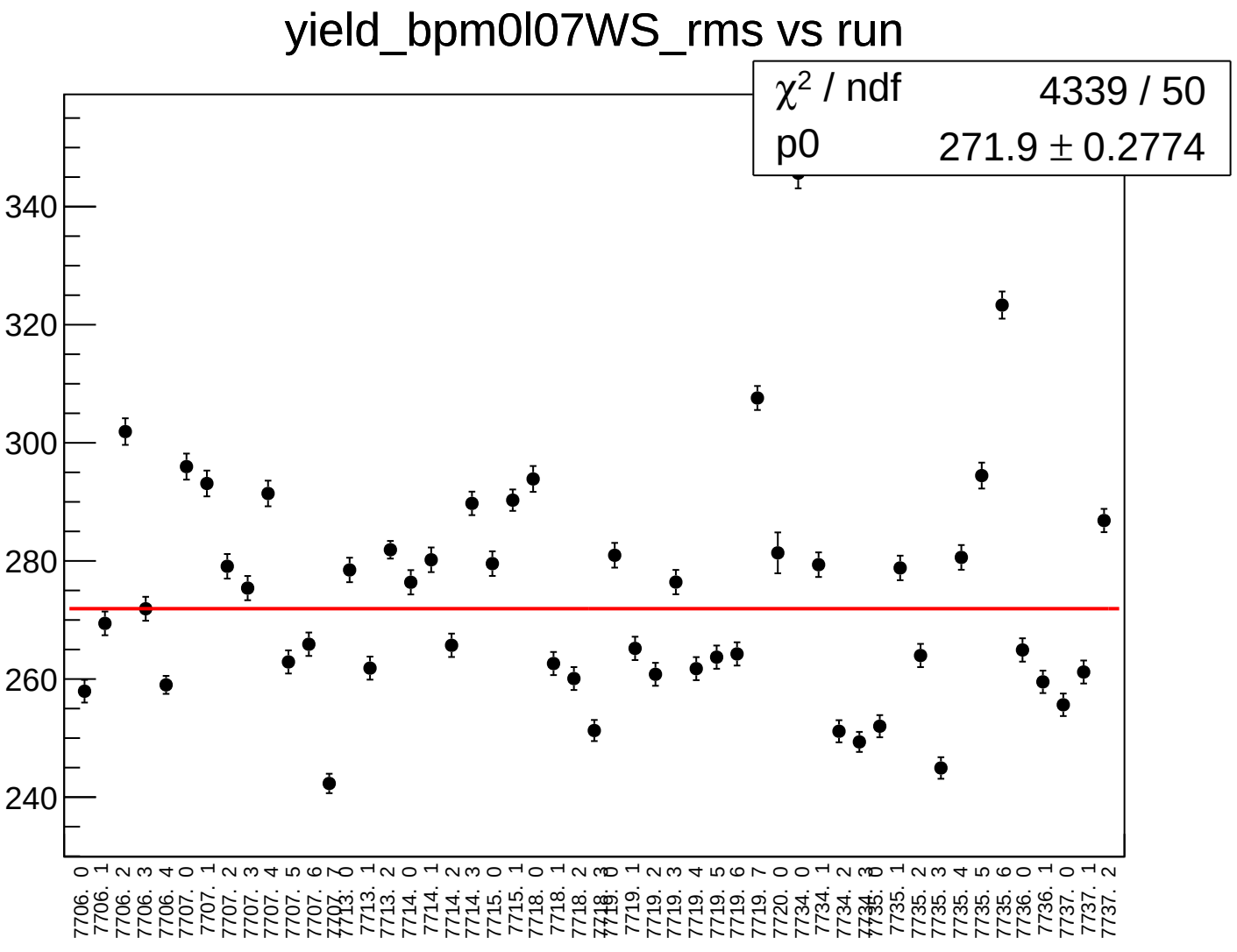

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 3.444e+04 / 50
p0 1.315e+05 ± 0.306
131.55
131.5
131.45
131.4
131.35
pull
Entries 51
Mean −431.2
Std Dev 450.8
40
20
0
−20
−40
−60

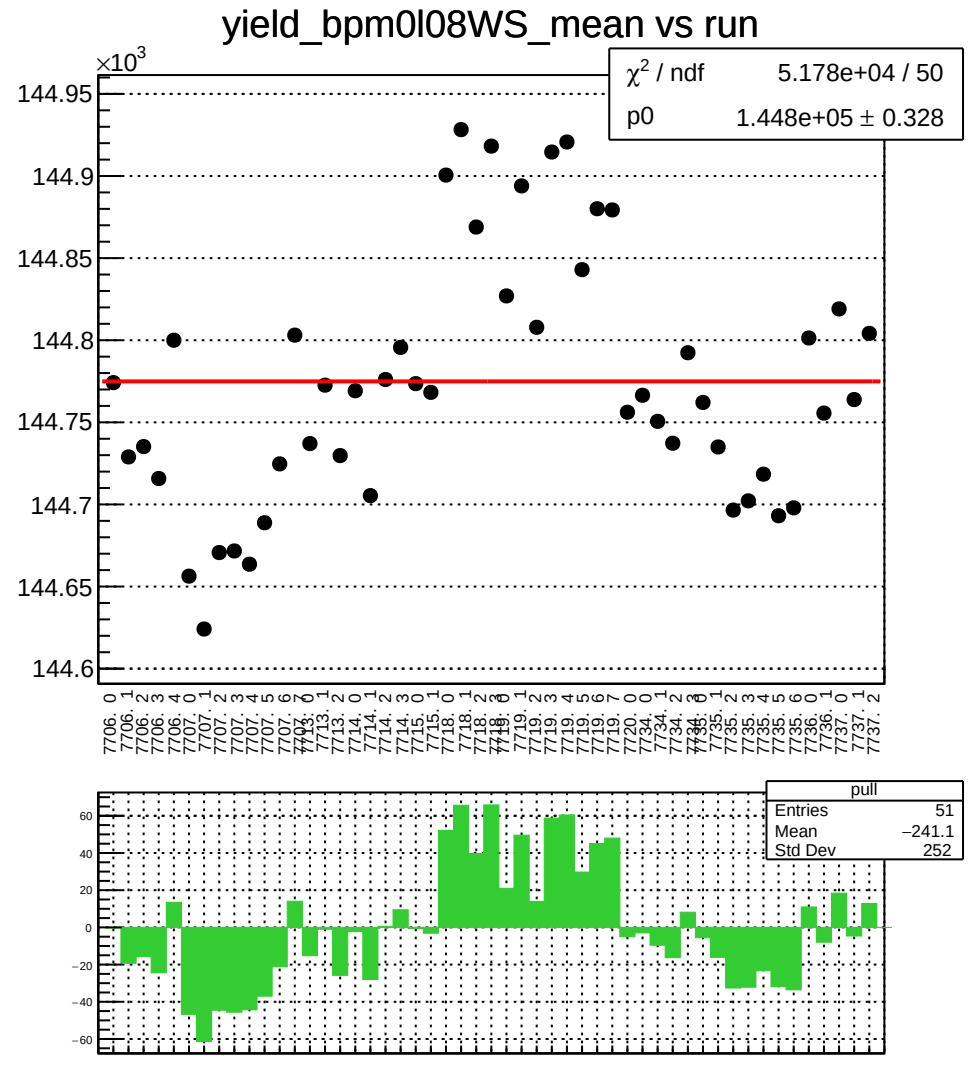

pull1D
Entries 51
Mean 1.343
Std Dev 4.941
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

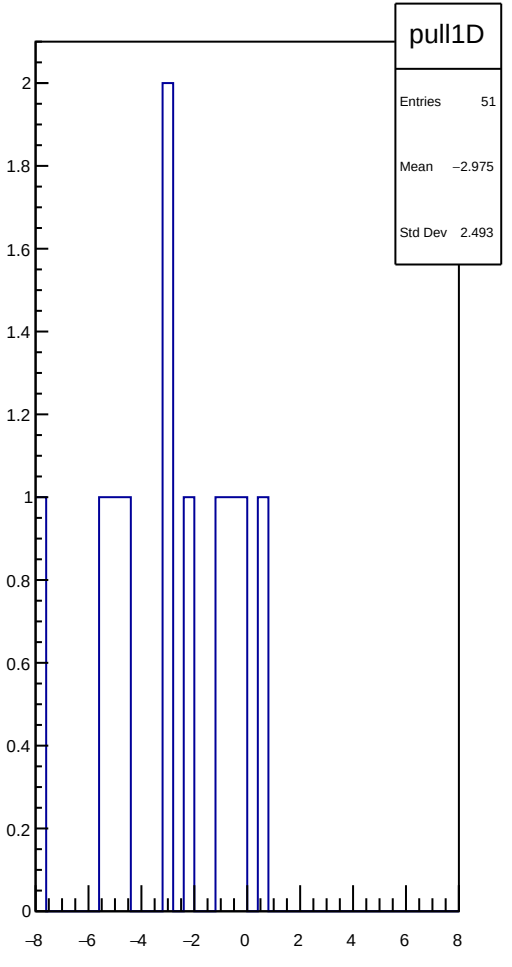

yield_bpm0l06WS_rms vs run
χ² / ndf 2670 / 50
p0 212.3 ± 0.2164
250
240
230
220
210
200
190
180
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

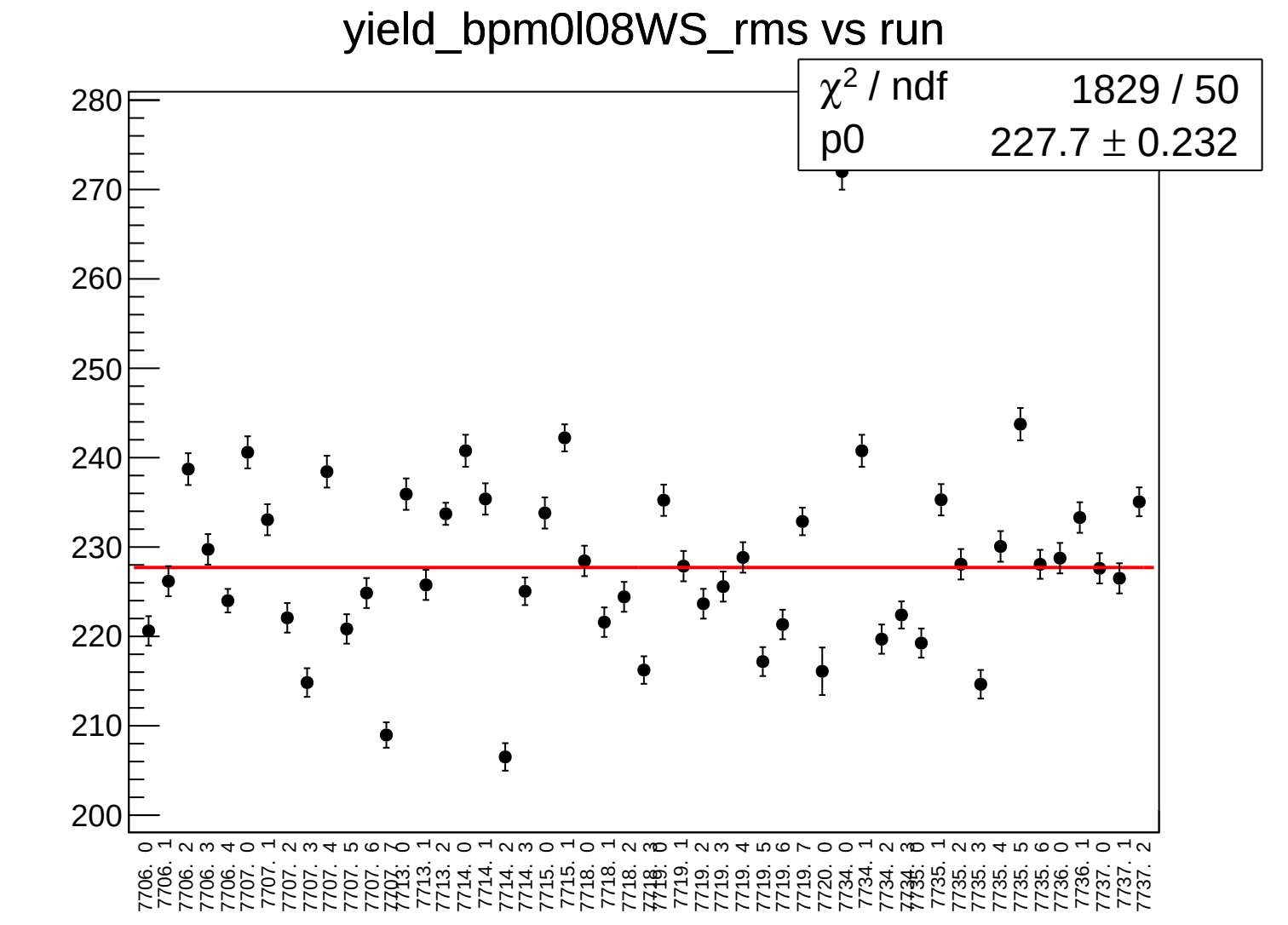

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 2.926e+04 / 50
p0 1.433e+05 ± 0.3922
143.6
143.5
143.4
143.3
143.2
143.1
pull
Entries 51
Mean −869.3
Std Dev 894.2
60
40
20
0
−20
−40

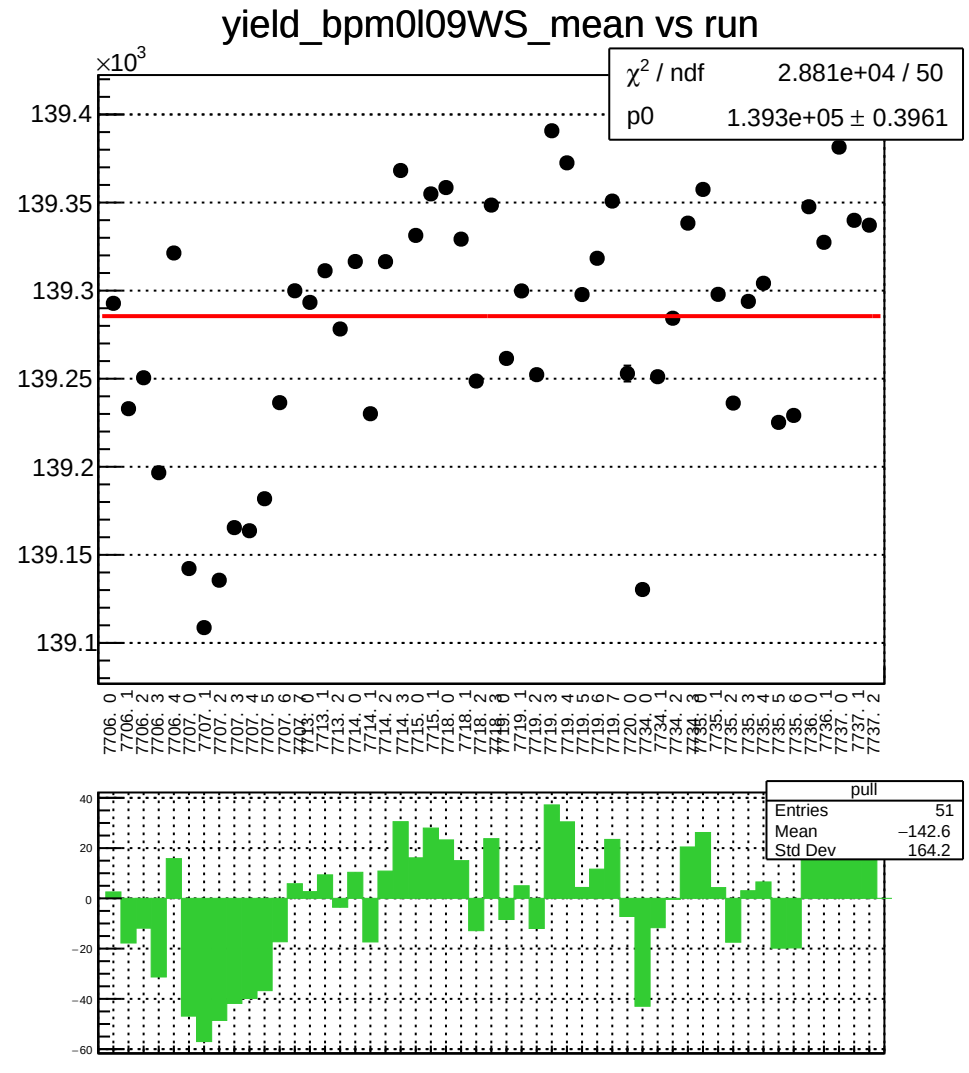

pull1D
Entries 51
Mean 2.091
Std Dev 3.823
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

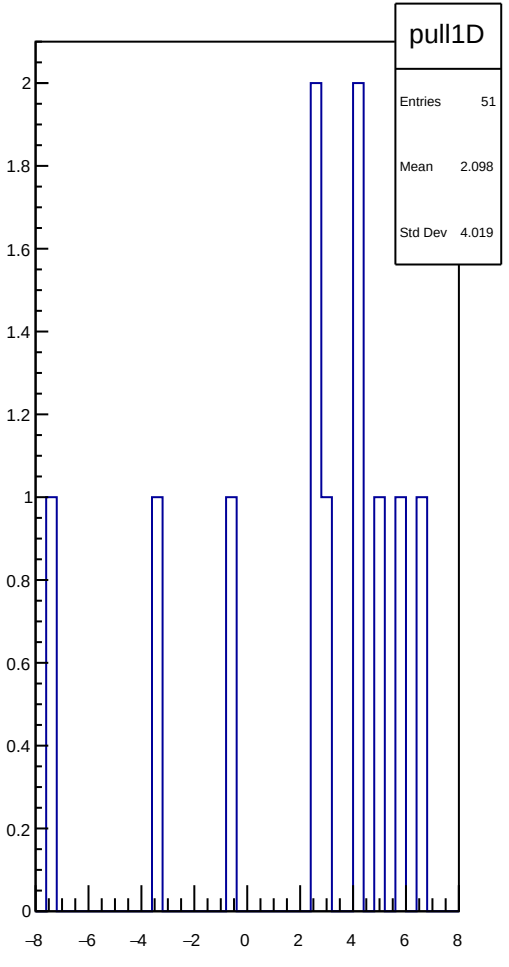

yield_bpm0l07WS_rms vs run
χ² / ndf 4339 / 50
p0 271.9 ± 0.2774
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

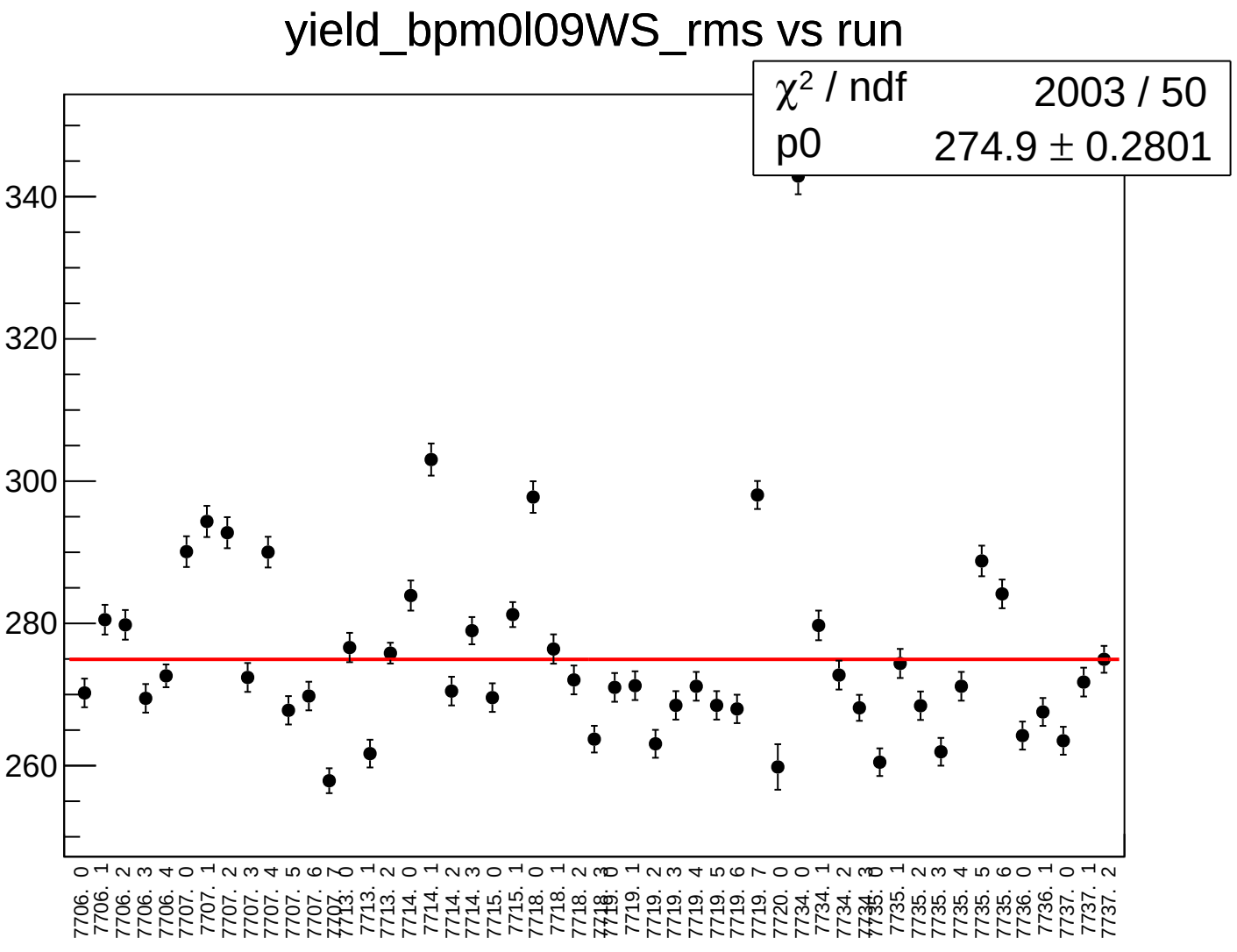

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 5.178e+04 / 50
p0 1.448e+05 ± 0.328
144.95
144.9
144.85
144.8
144.75
144.7
144.65
144.6
pull
Entries 51
Mean −241.1
Std Dev 252
60
40
20
0
−20
−40
−60

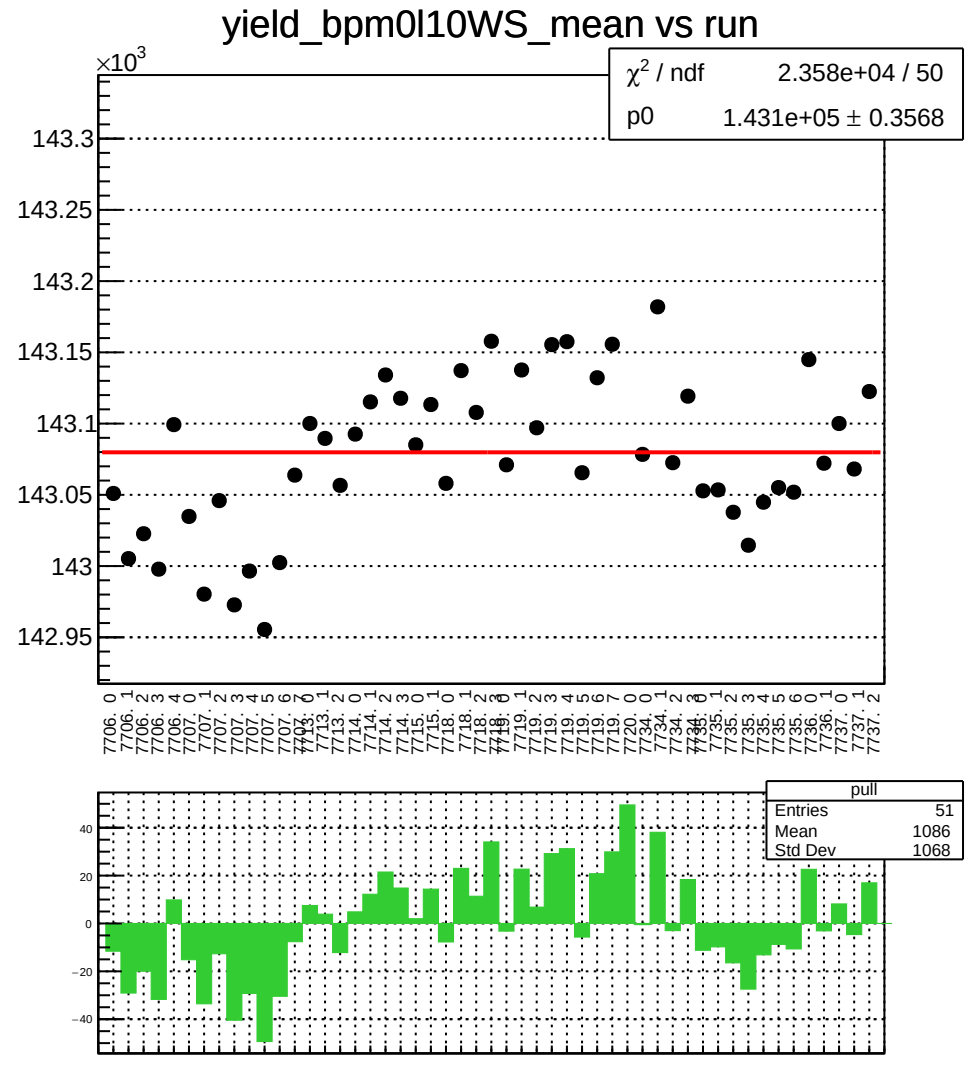

pull1D
Entries 51
Mean −2.975
Std Dev 2.493
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

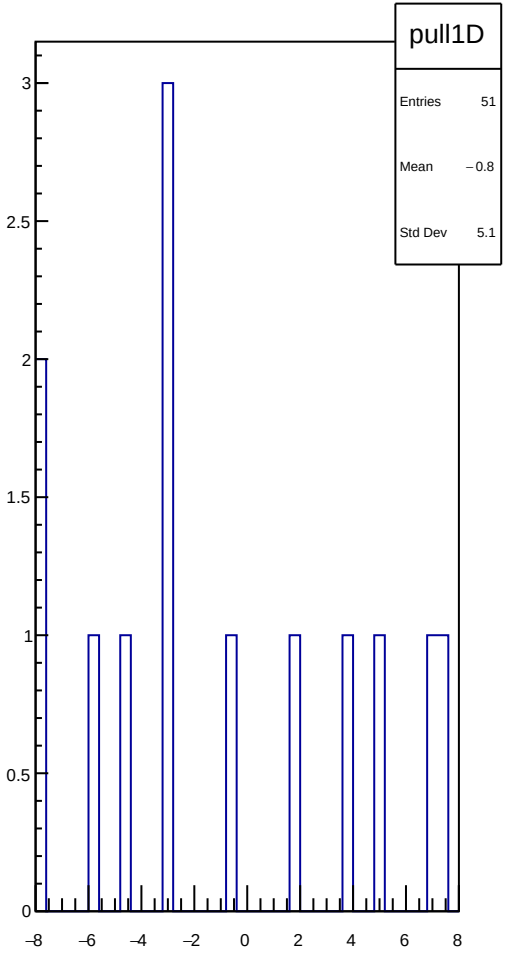

yield_bpm0l08WS_rms vs run
χ² / ndf 1829 / 50
p0 227.7 ± 0.232
280
270
260
250
240
230
220
210
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

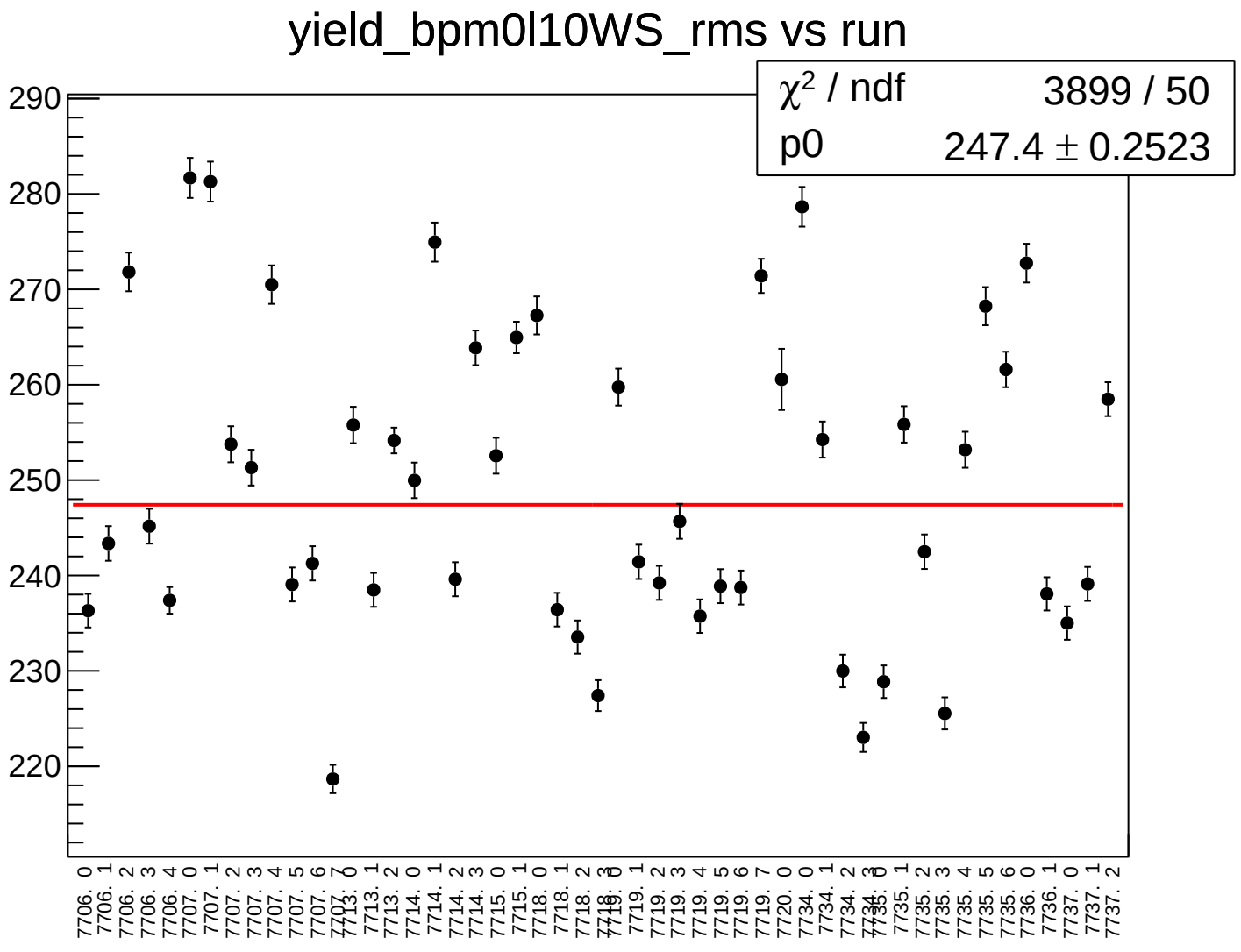

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 2.881e+04 / 50
p0 1.393e+05 ± 0.3961
139.4
139.35
139.3
139.25
139.2
139.15
139.1
pull
Entries 51
Mean −142.6
Std Dev 164.2
40
20
0
−20
−40
−60

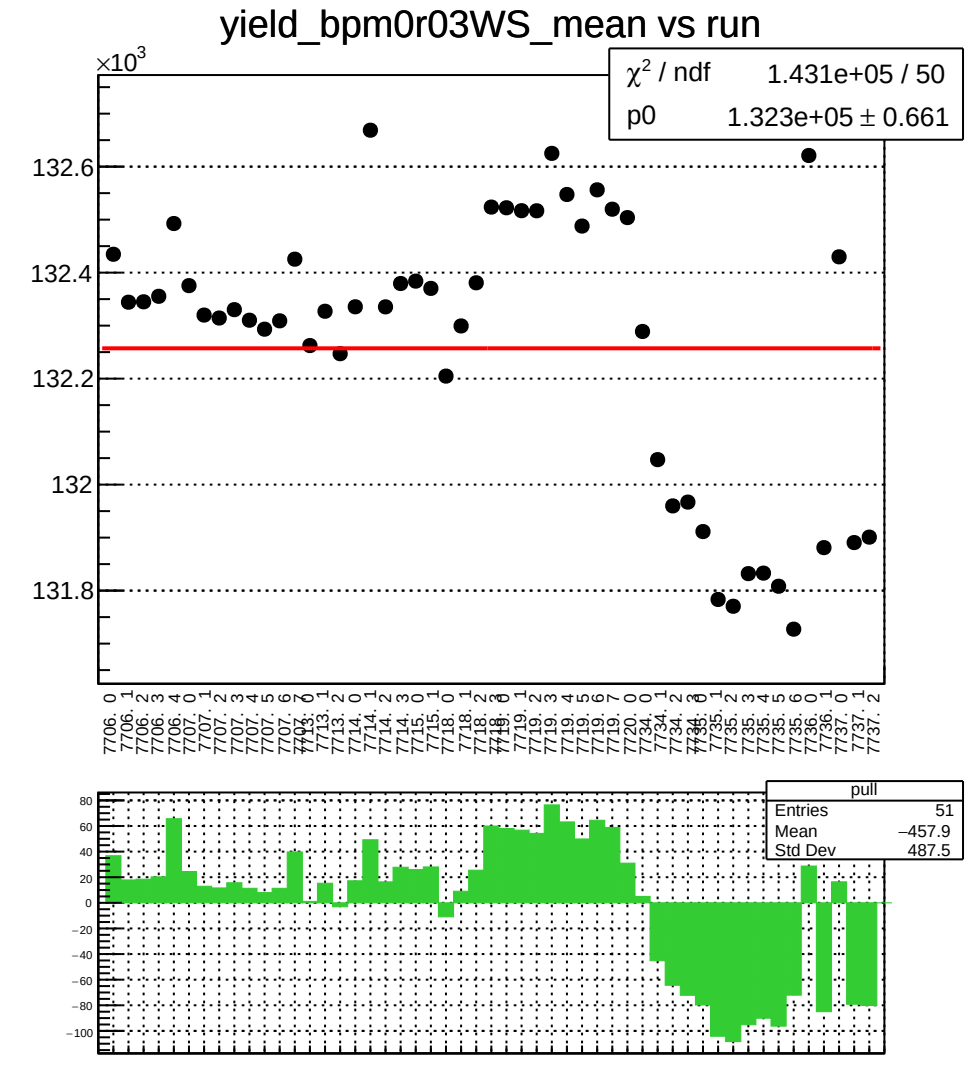

pull1D
Entries 51
Mean 2.098
Std Dev 4.019
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

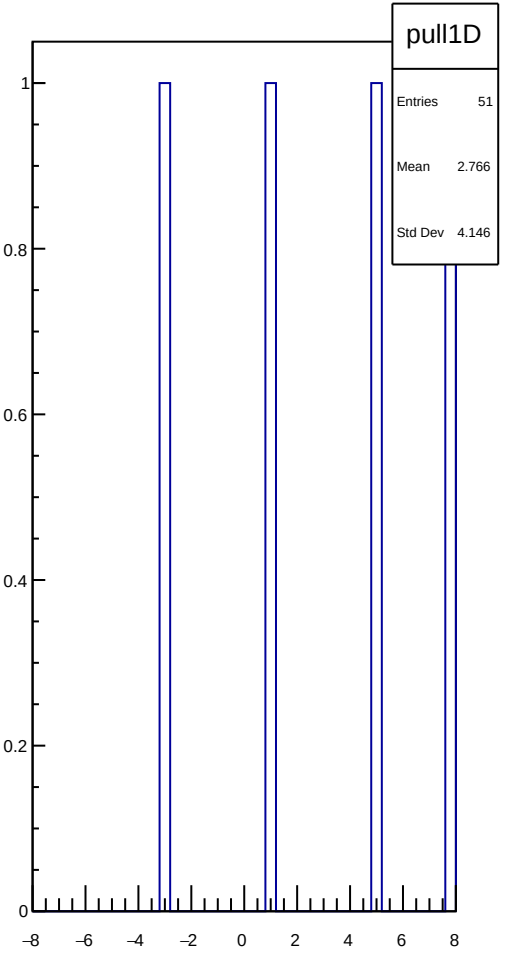

yield_bpm0l09WS_rms vs run
χ² / ndf 2003 / 50
p0 274.9 ± 0.2801
340
320
300
280
260
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

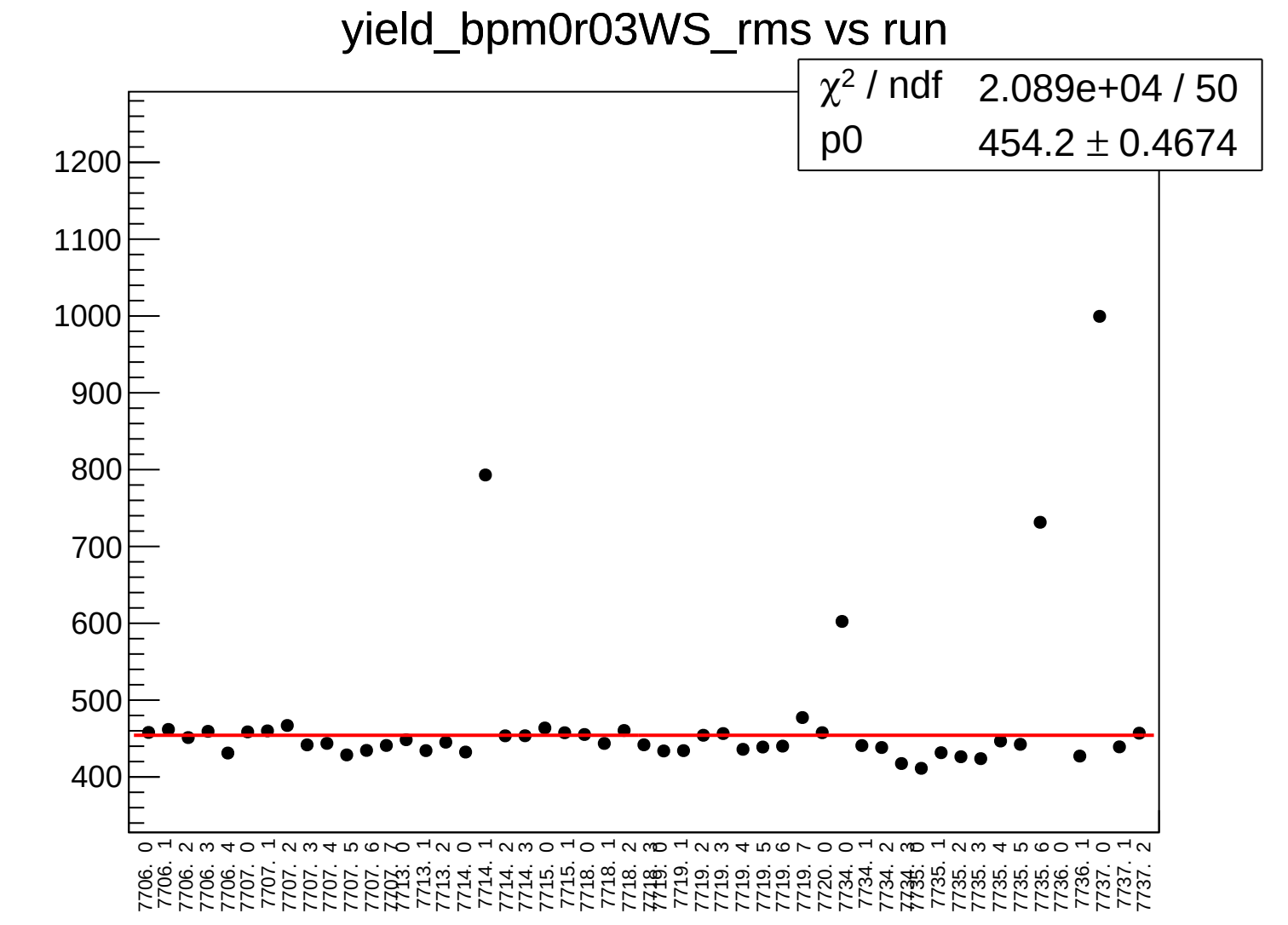

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.358e+04 / 50
p0 1.431e+05 ± 0.3568
143.3
143.25
143.2
143.15
143.1
143.05
143
142.95
pull
Entries 51
Mean 1086
Std Dev 1068
40
20
0
−20
−40

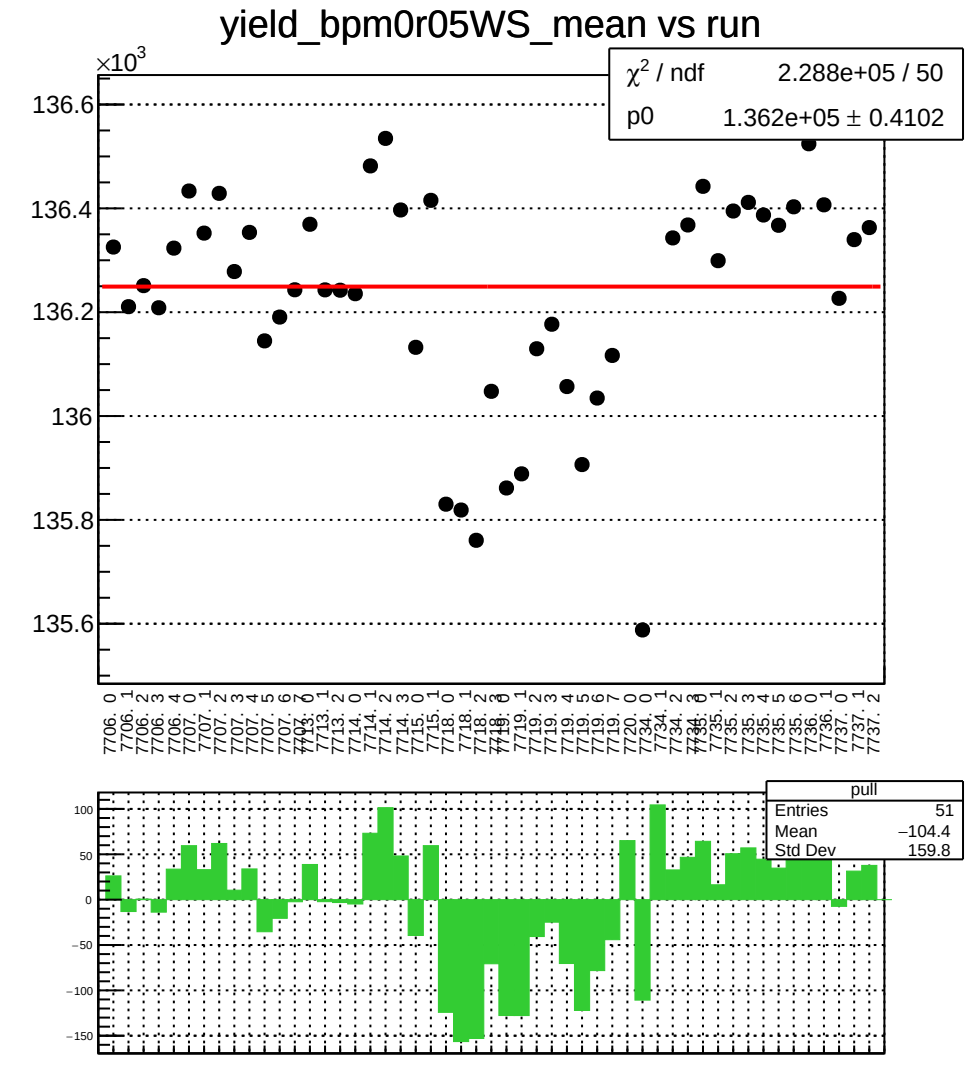

pull1D
Entries 51
Mean −0.8
Std Dev 5.1
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

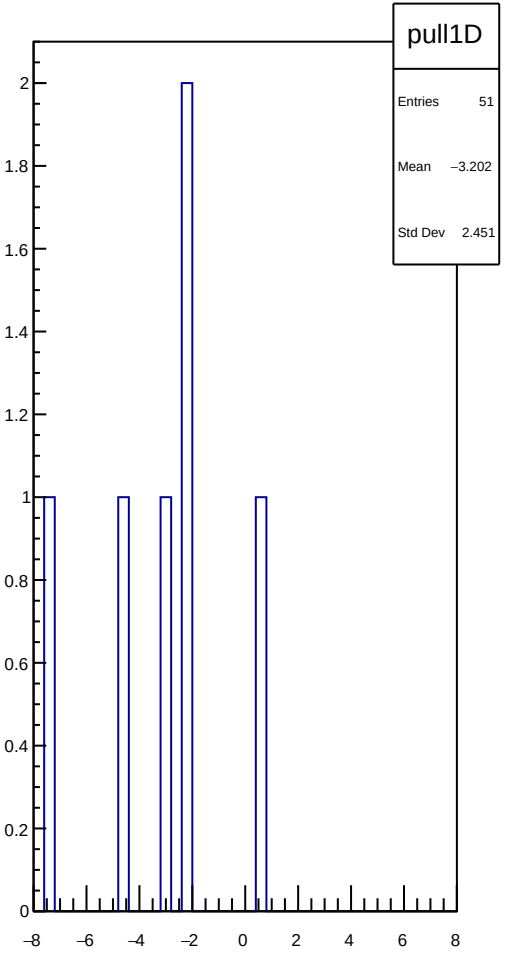

yield_bpm0l10WS_rms vs run
χ² / ndf 3899 / 50
p0 247.4 ± 0.2523
290
280
270
260
250
240
230
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

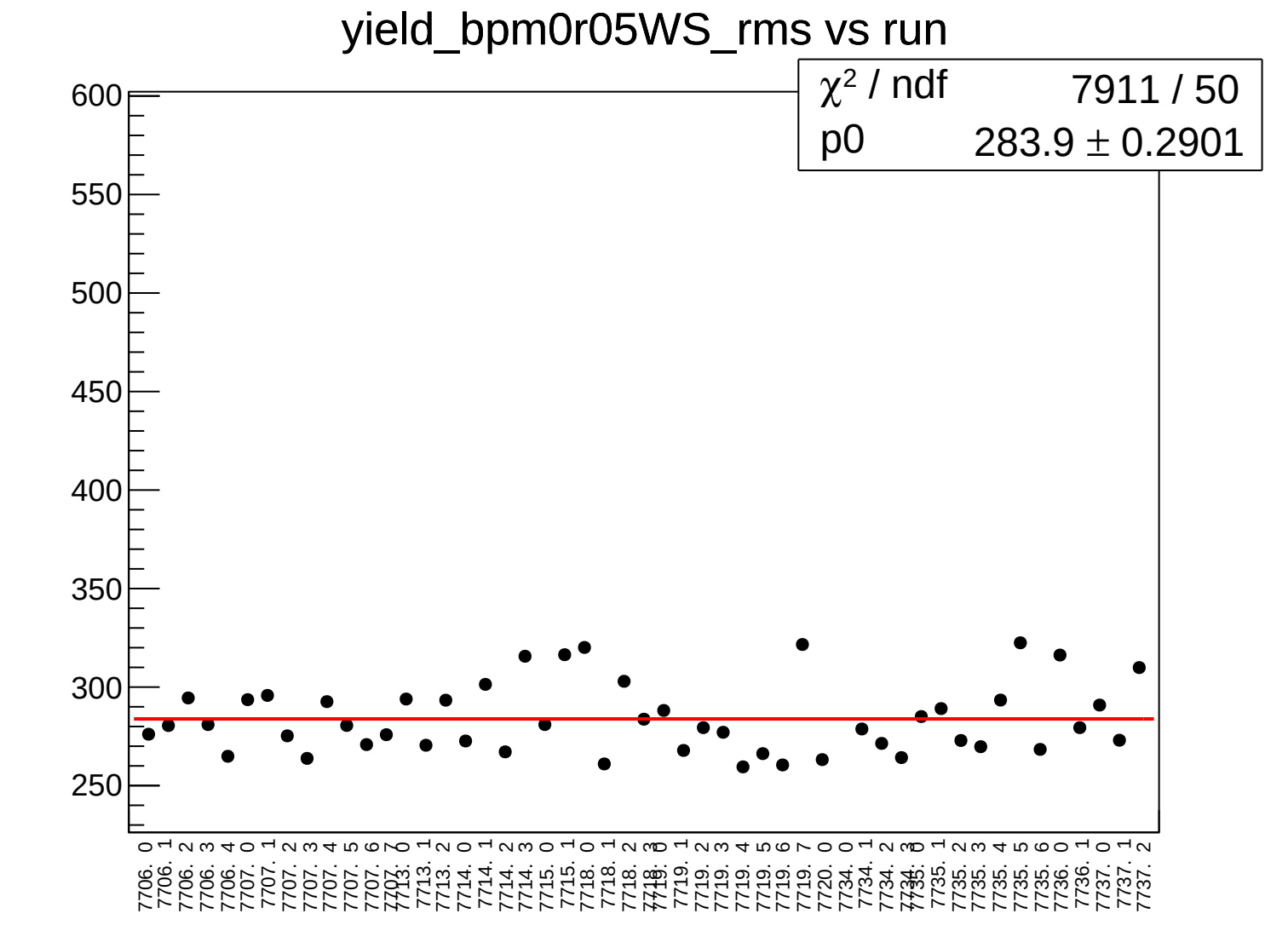

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 1.431e+05 / 50
p0 1.323e+05 ± 0.661
132.6
132.4
132.2
132
131.8
pull
Entries 51
Mean −457.9
Std Dev 487.5
80
60
40
20
0
−20
−40
−60
−80
−100

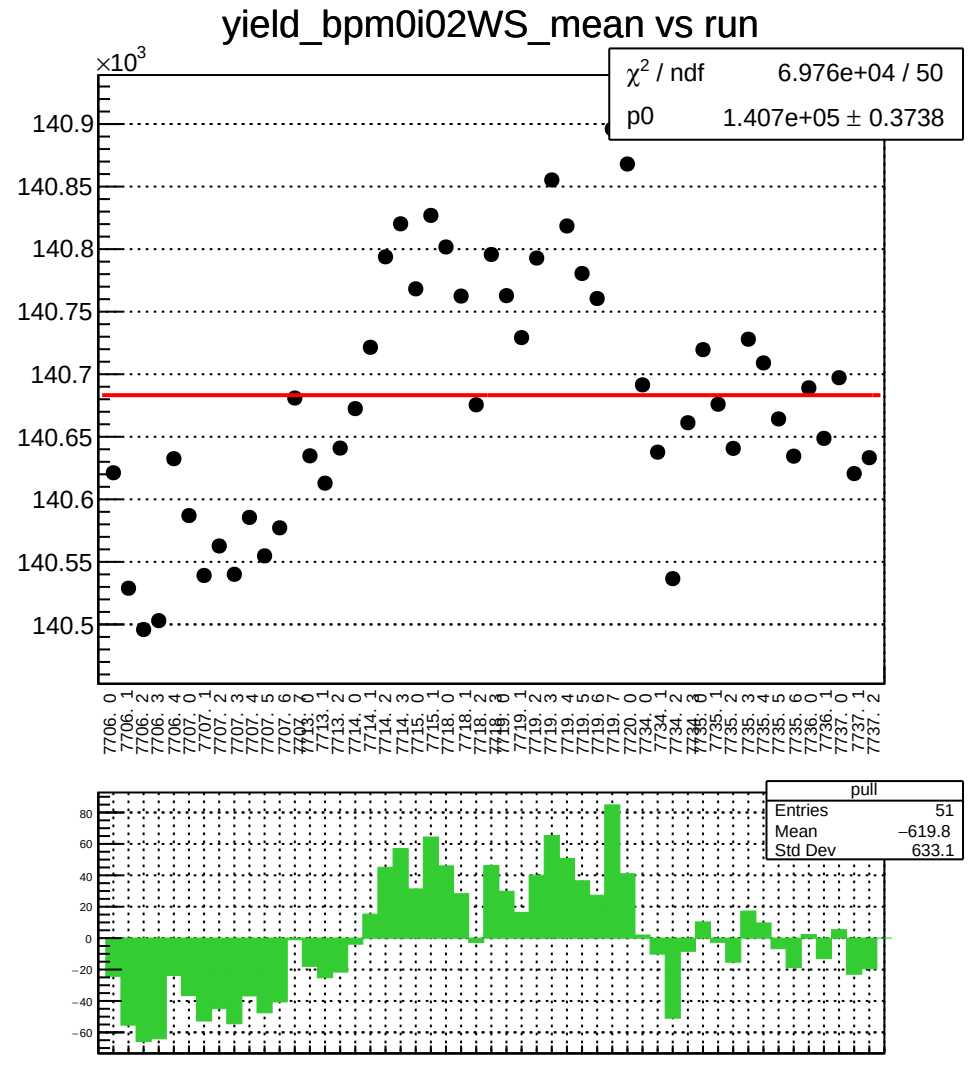

pull1D
Entries 51
Mean 2.766
Std Dev 4.146
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

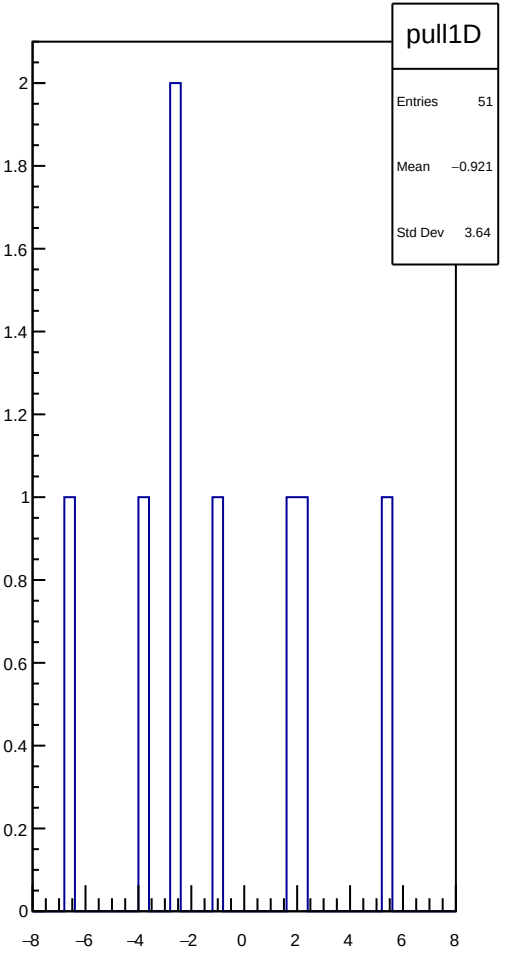

yield_bpm0r03WS_rms vs run
χ² / ndf 2.089e+04 / 50
p0 454.2 ± 0.4674
1200
1100
1000
900
800
700
600
500
400
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

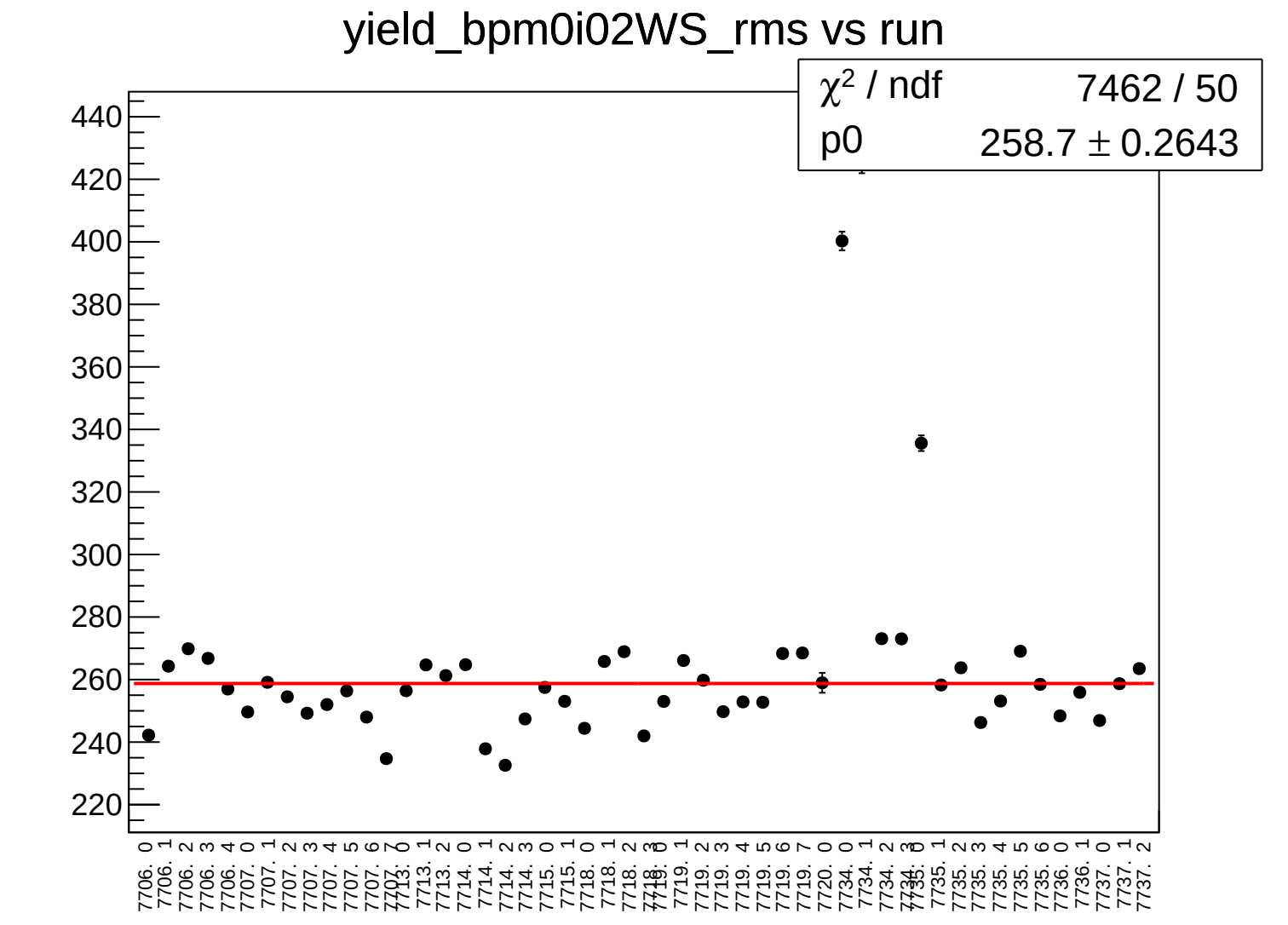

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 2.288e+05 / 50
p0 1.362e+05 ± 0.4102
136.6
136.4
136.2
136
135.8
135.6
pull
Entries 51
Mean −104.4
Std Dev 159.8
100
50
0
−50
−100
−150

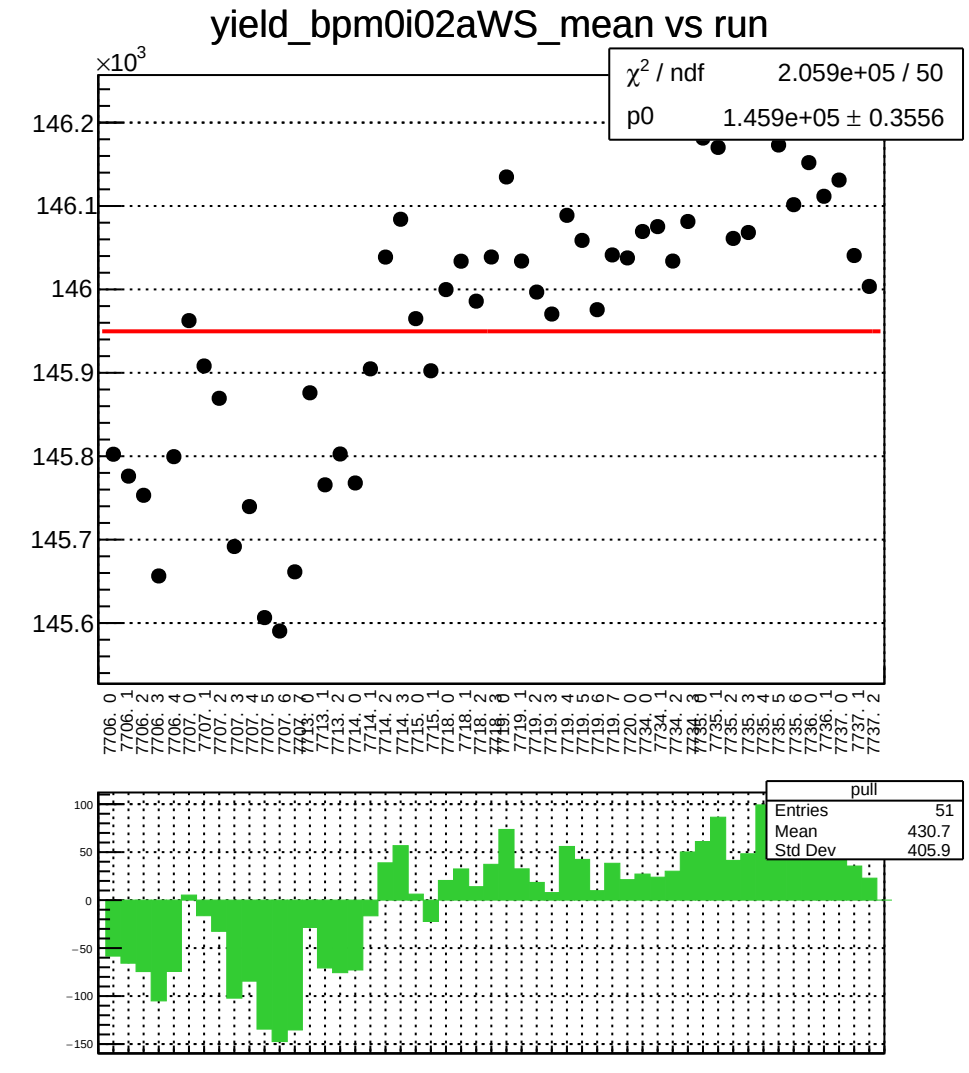

pull1D
Entries 51
Mean −3.202
Std Dev 2.451
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

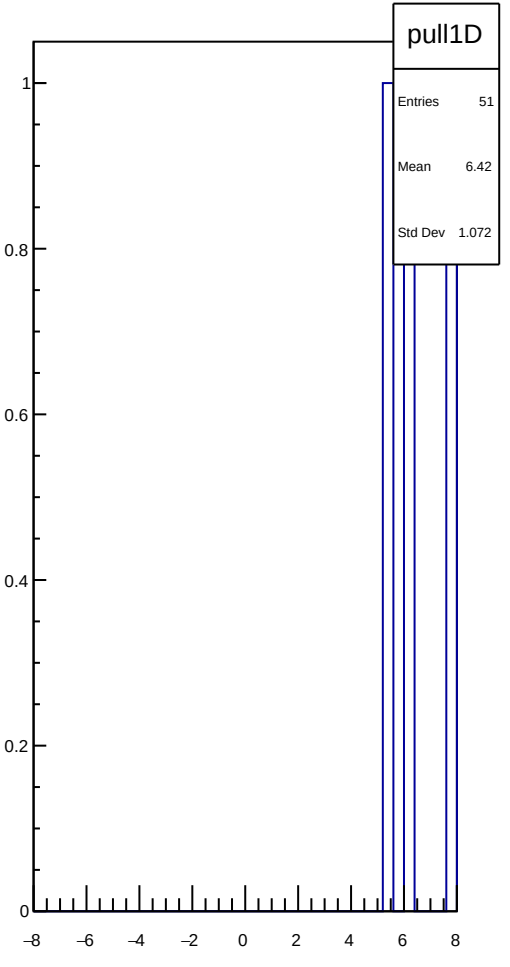

yield_bpm0r05WS_rms vs run
χ² / ndf 7911 / 50
p0 283.9 ± 0.2901
600
550
500
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

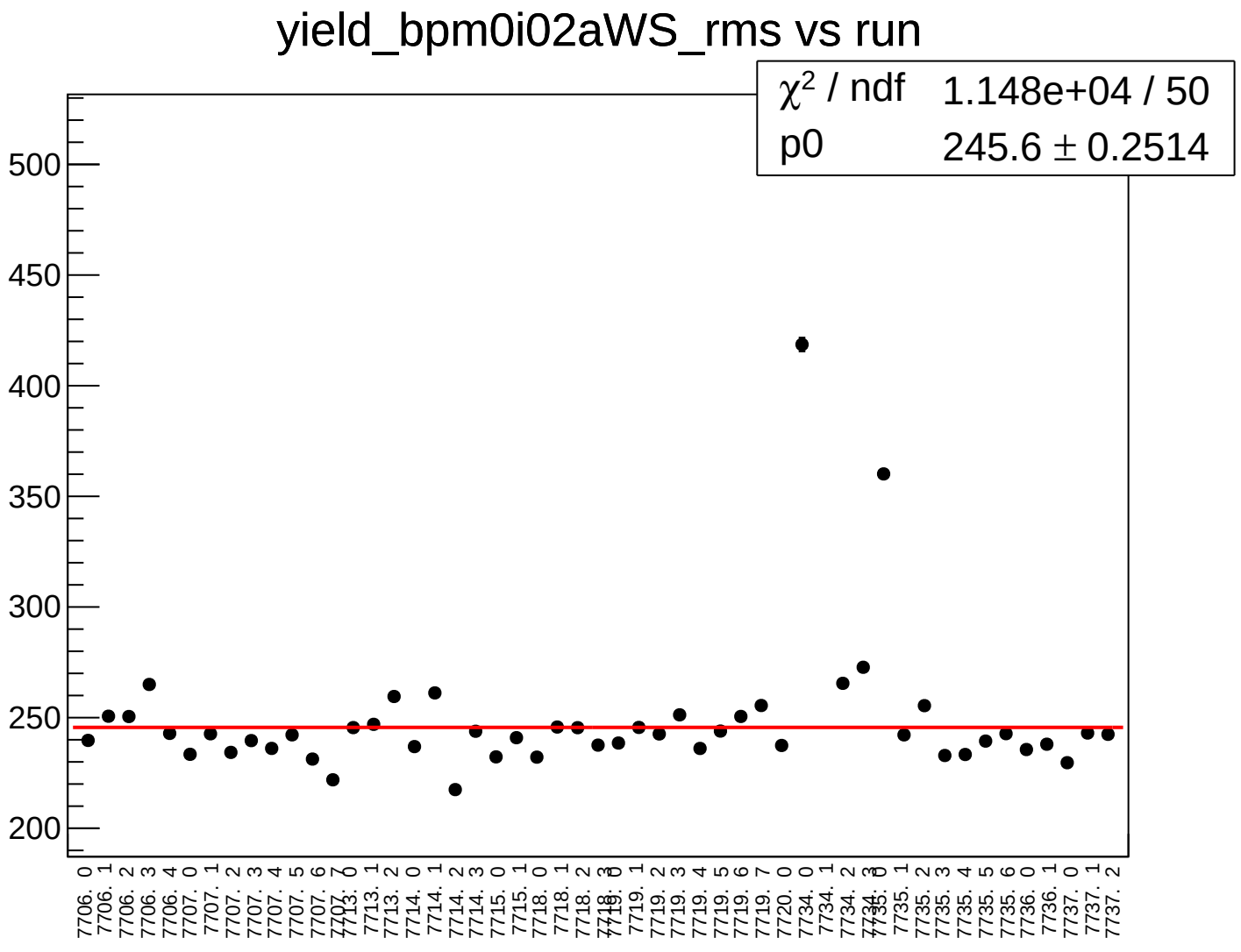

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 6.976e+04 / 50
p0 1.407e+05 ± 0.3738
140.9
140.85
140.8
140.75
140.7
140.65
140.6
140.55
140.5
pull
Entries 51
Mean −619.8
Std Dev 633.1
80
60
40
20
0
−20
−40
−60

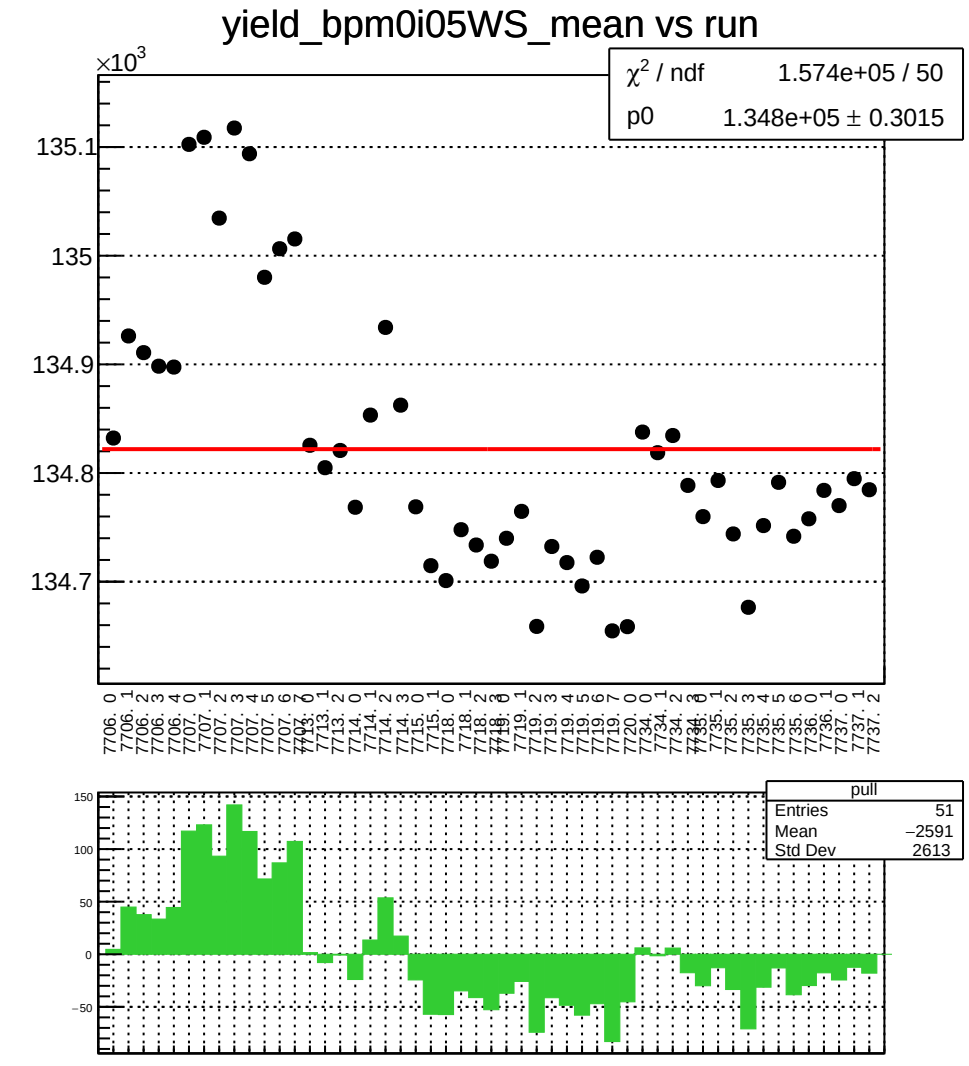

pull1D
Entries 51
Mean −0.921
Std Dev 3.64
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

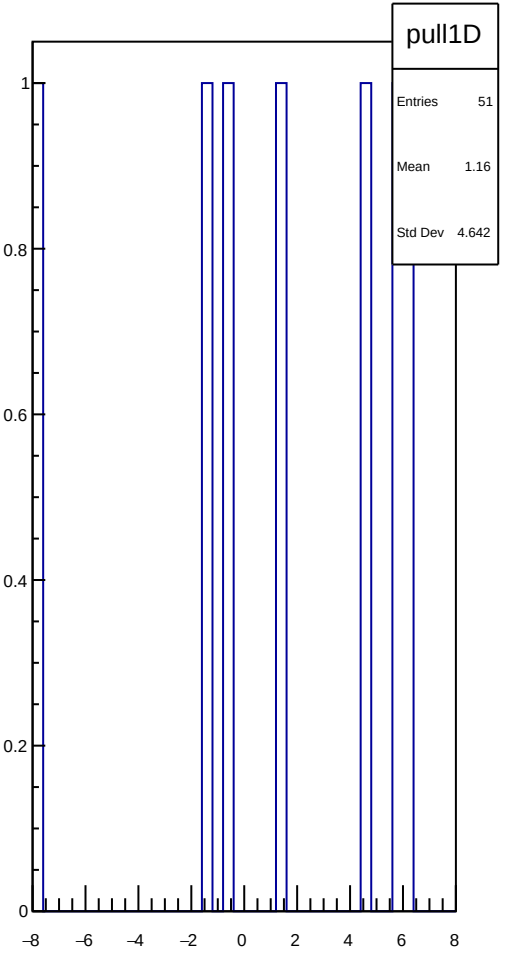

yield_bpm0i02WS_rms vs run
χ^2 / ndf 7462 / 50
p0 258.7 ± 0.2643
440
420
400
380
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

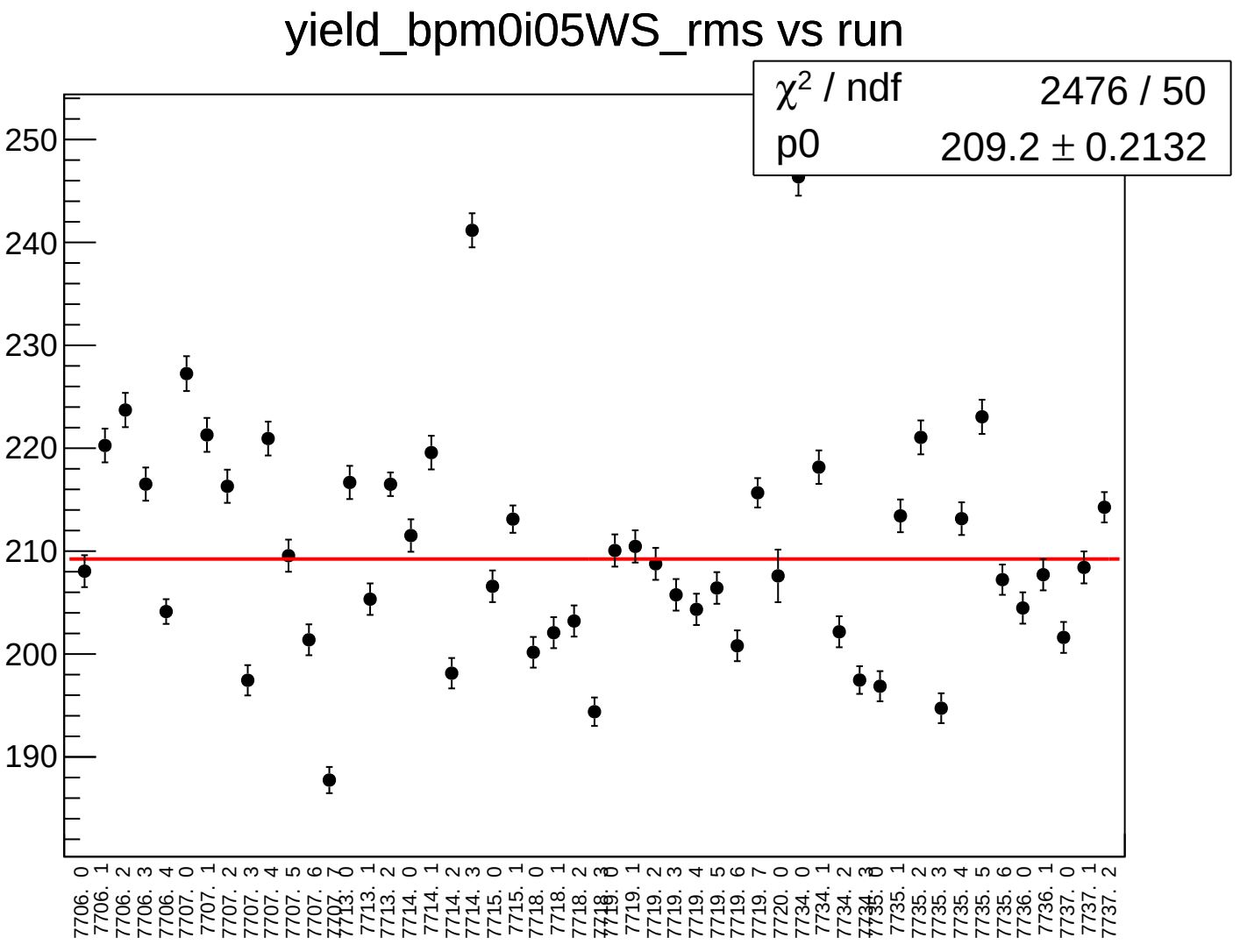

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 2.059e+05 / 50
p0 1.459e+05 ± 0.3556
146.2
146.1
146
145.9
145.8
145.7
145.6
pull
Entries 51
Mean 430.7
Std Dev 405.9
100
50
0
−50
−100
−150

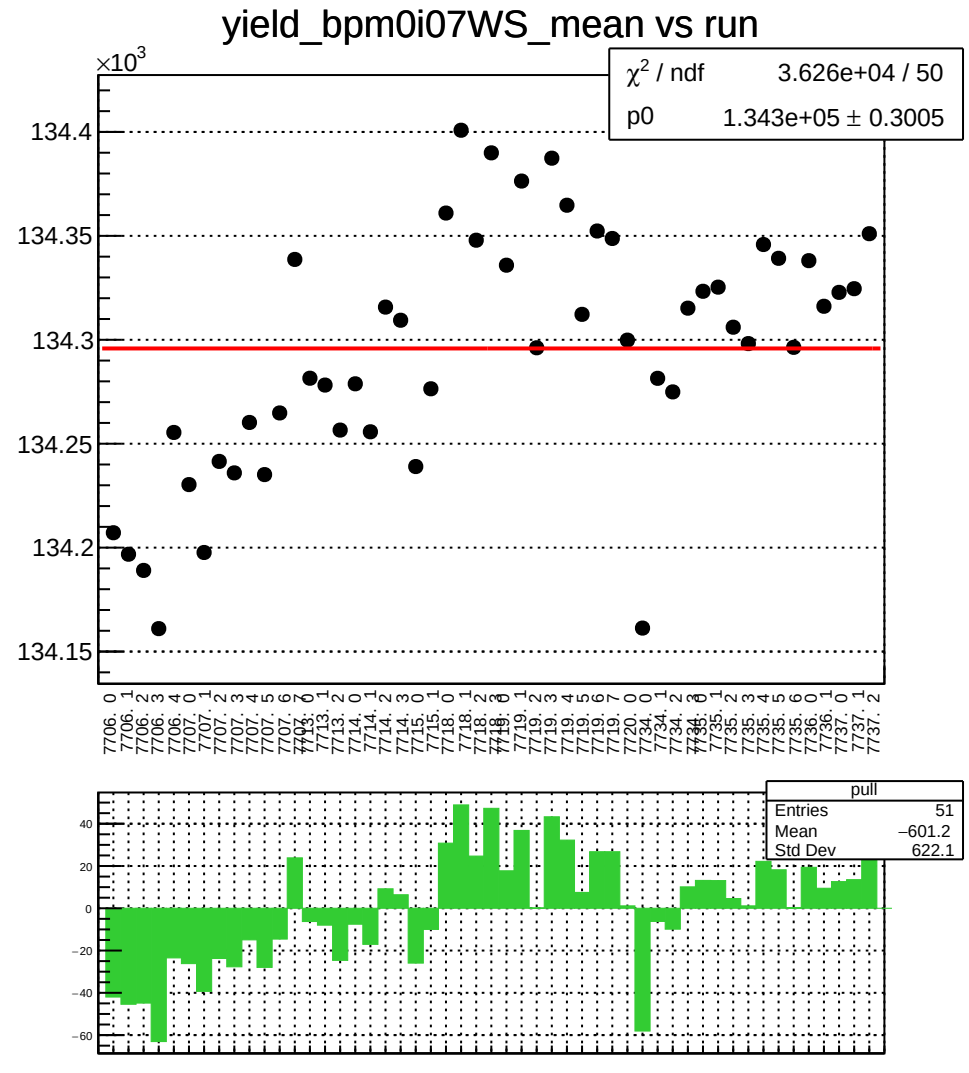

pull1D
Entries 51
Mean 6.42
Std Dev 1.072
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

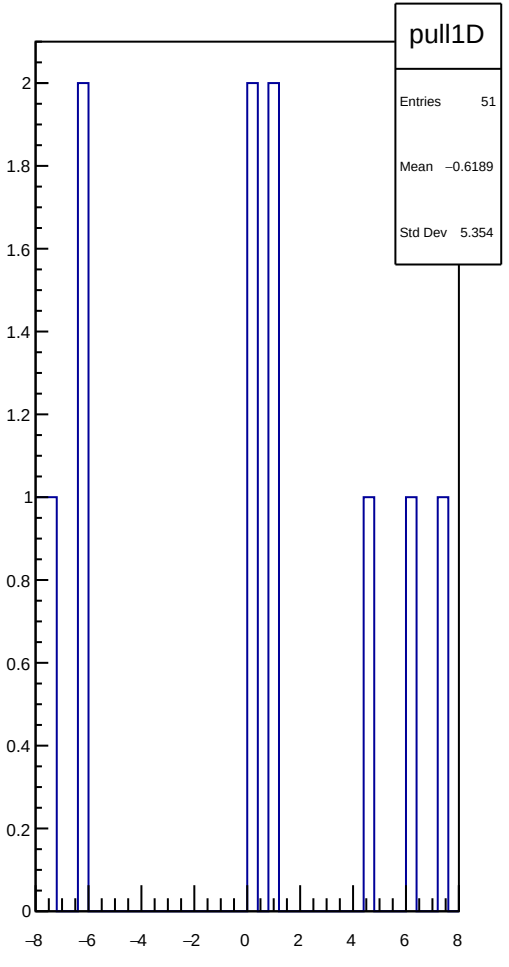

yield_bpm0i02aWS_rms vs run
χ² / ndf 1.148e+04 / 50
p0 245.6 ± 0.2514
500
450
400
350
300
250
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

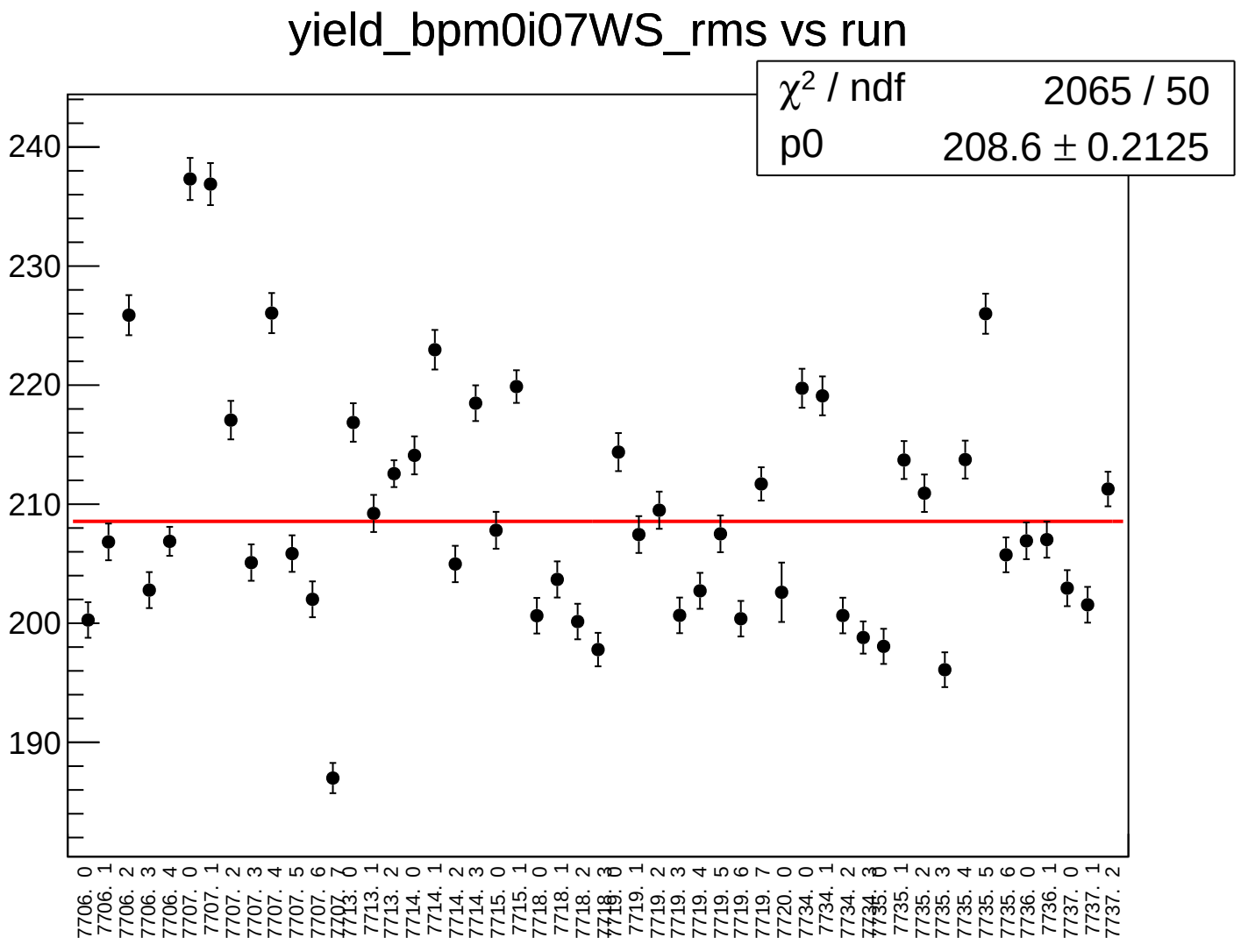

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.574e+05 / 50
p0 1.348e+05 ± 0.3015
135.1
135
134.9
134.8
134.7
pull
Entries 51
Mean −2591
Std Dev 2613
150
100
50
0
−50

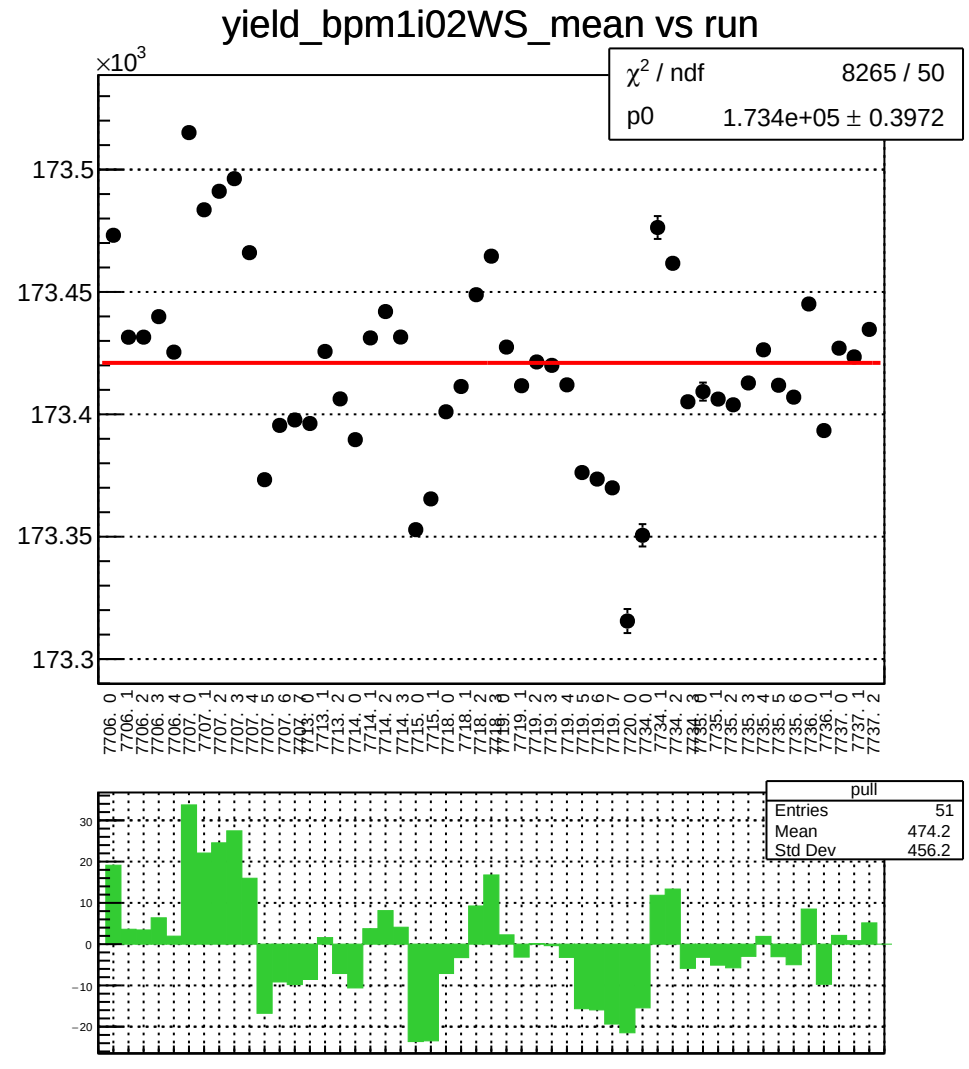

pull1D
Entries 51
Mean 1.16
Std Dev 4.642
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

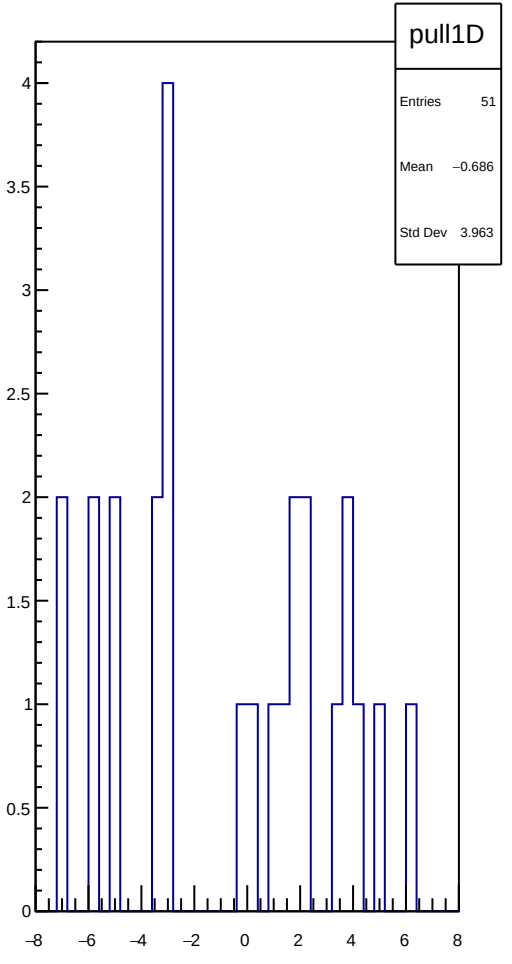

yield_bpm0i05WS_rms vs run
χ² / ndf 2476 / 50
p0 209.2 ± 0.2132
250
240
230
220
210
200
190
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

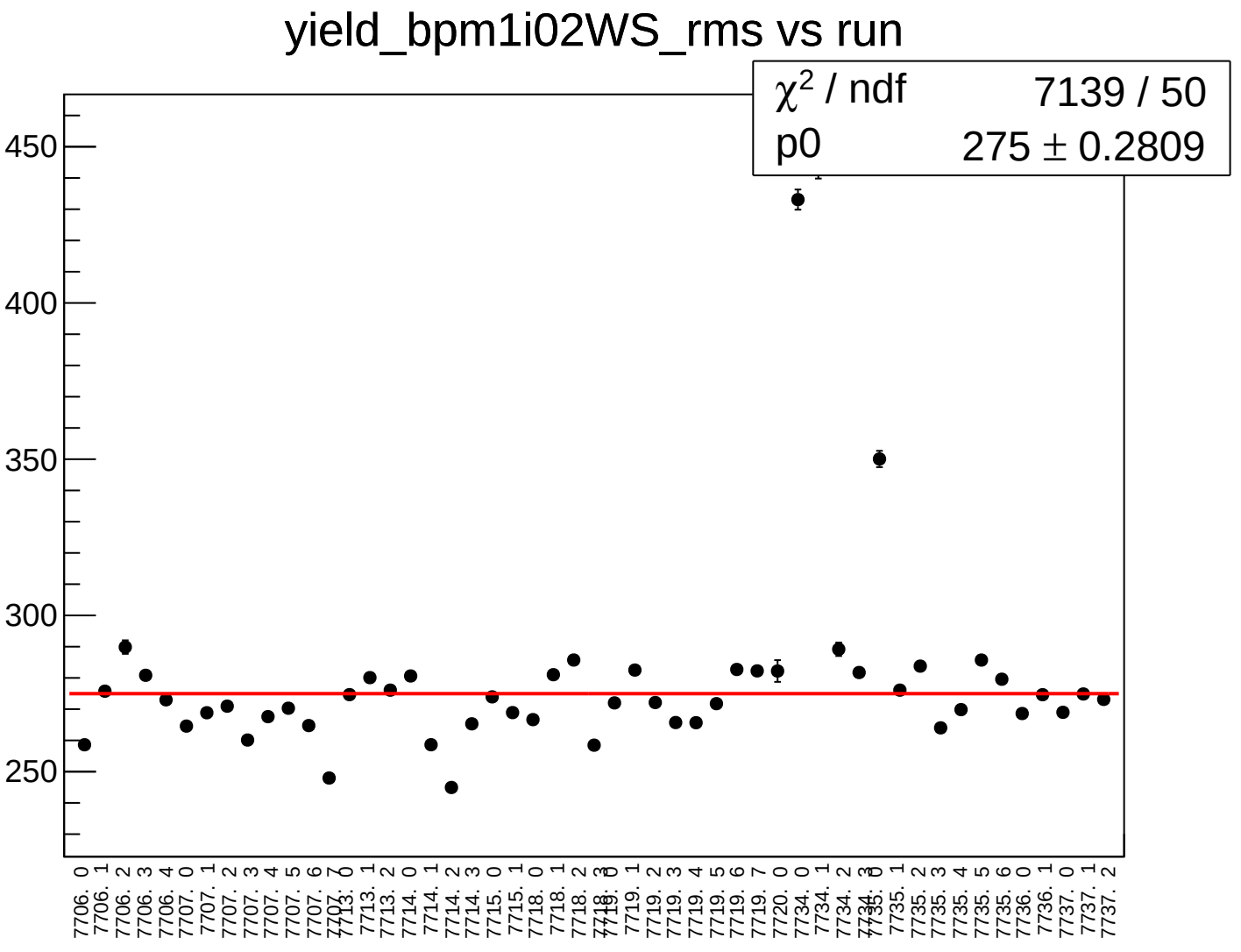

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 3.626e+04 / 50
p0 1.343e+05 ± 0.3005
134.4
134.35
134.3
134.25
134.2
134.15
pull
Entries 51
Mean −601.2
Std Dev 622.1
40
20
0
−20
−40
−60

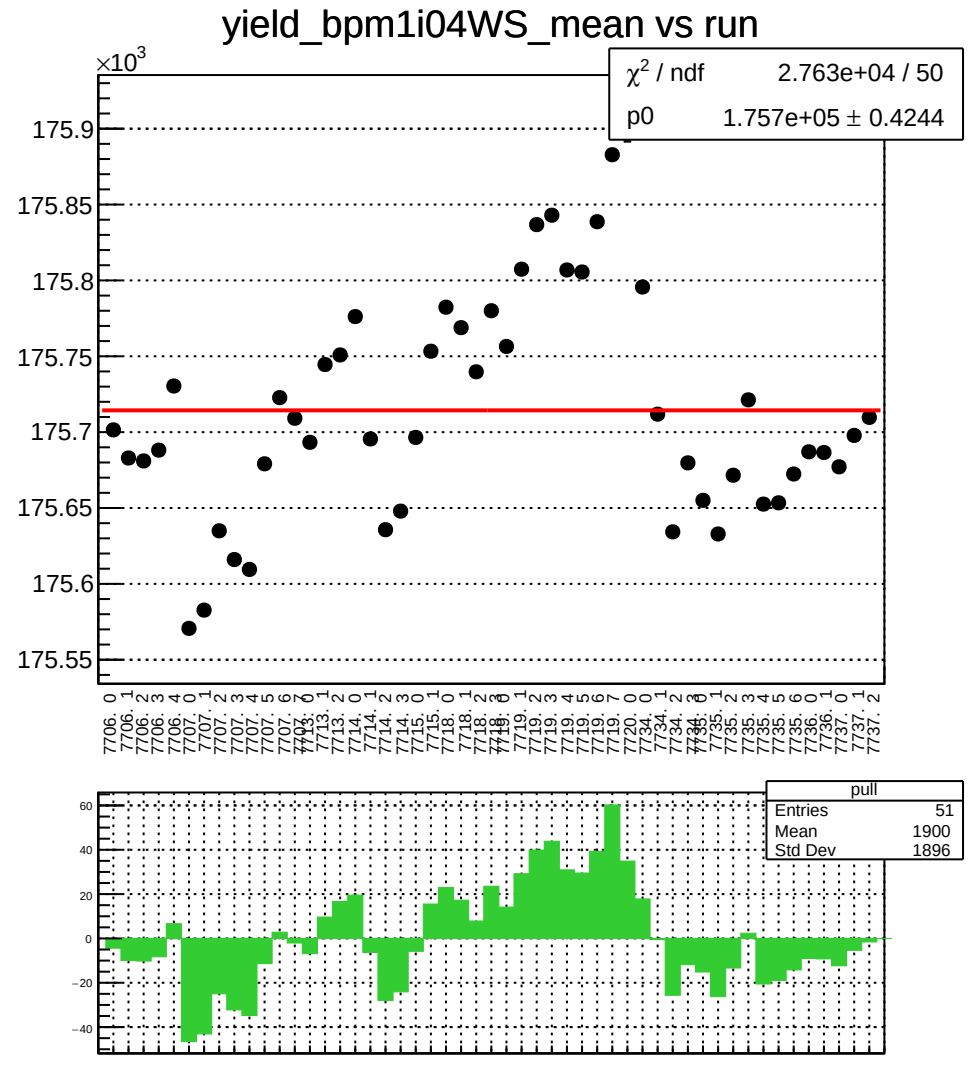

pull1D
Entries 51
Mean −0.6189
Std Dev 5.354
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

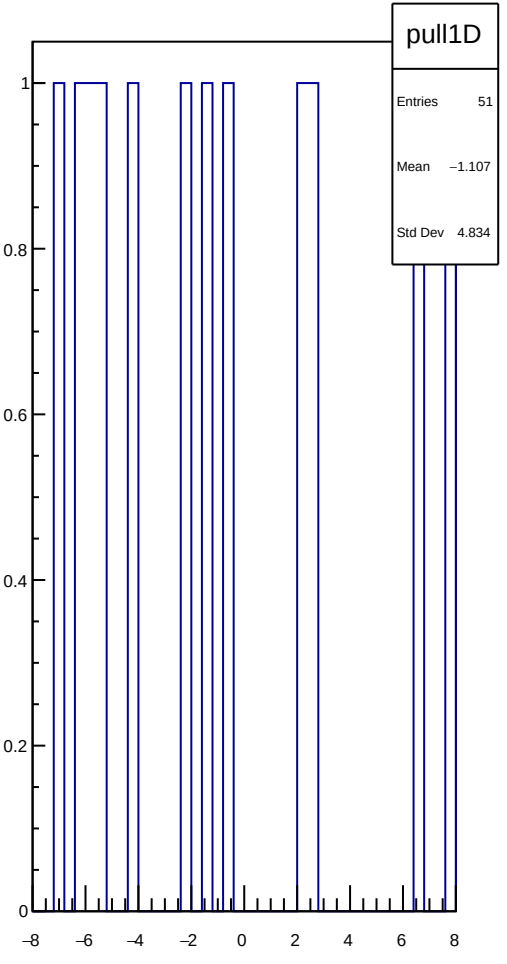

yield_bpm0i07WS_rms vs run
χ² / ndf 2065 / 50
p0 208.6 ± 0.2125
240
230
220
210
200
190
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

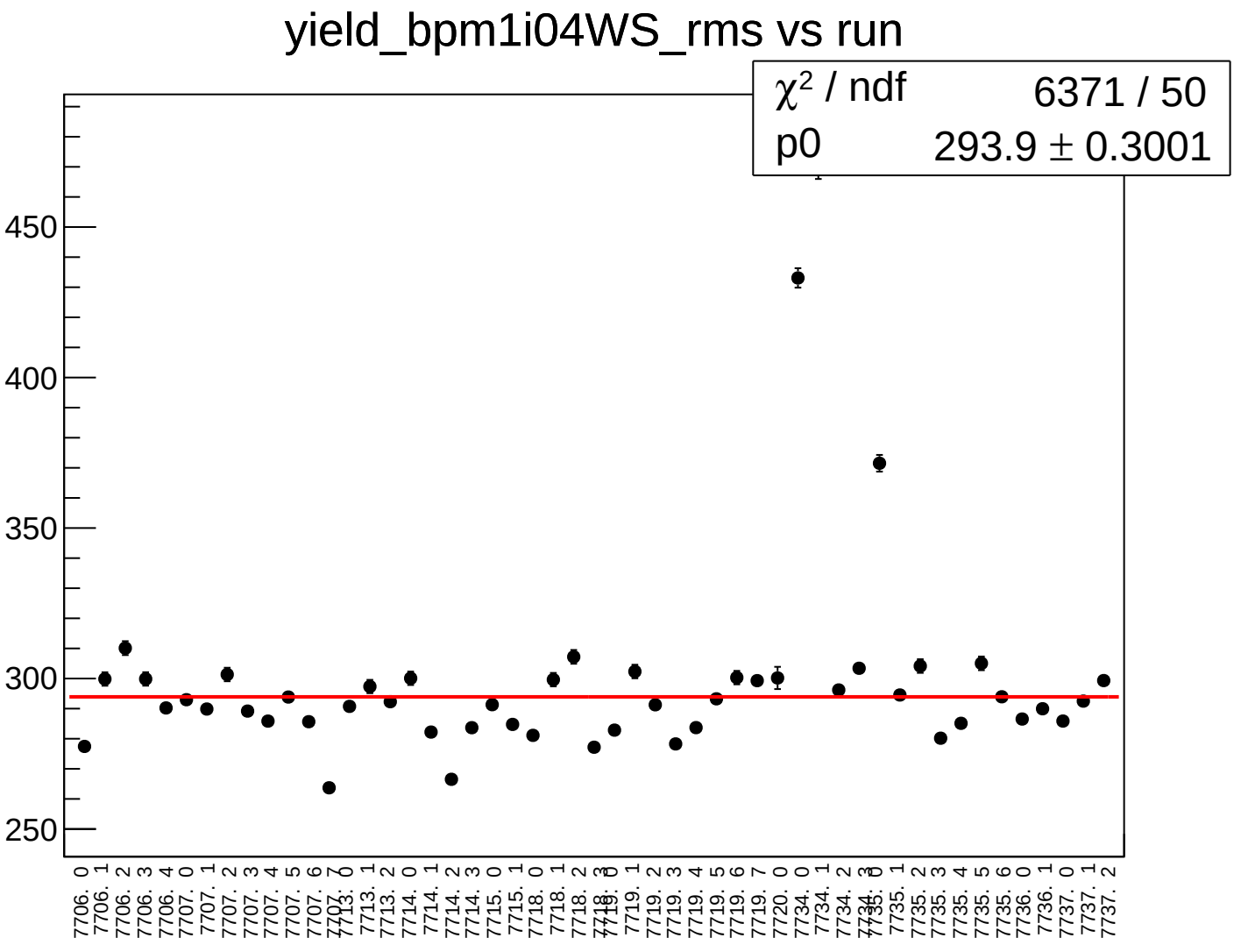

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 8265 / 50
p0 1.734e+05 ± 0.3972
173.5
173.45
173.4
173.35
173.3
pull
Entries 51
Mean 474.2
Std Dev 456.2
30
20
10
0
−10
−20

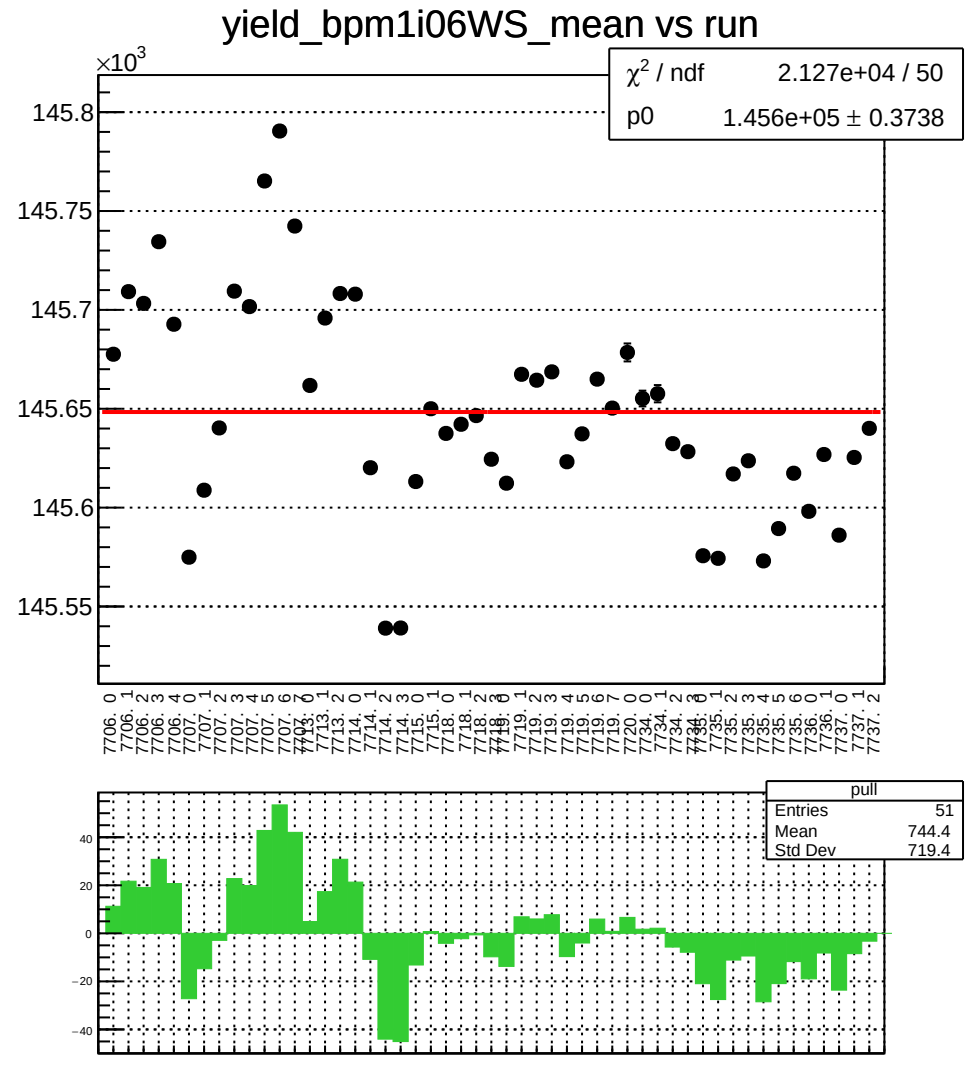

pull1D
Entries 51
Mean −0.686
Std Dev 3.963
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

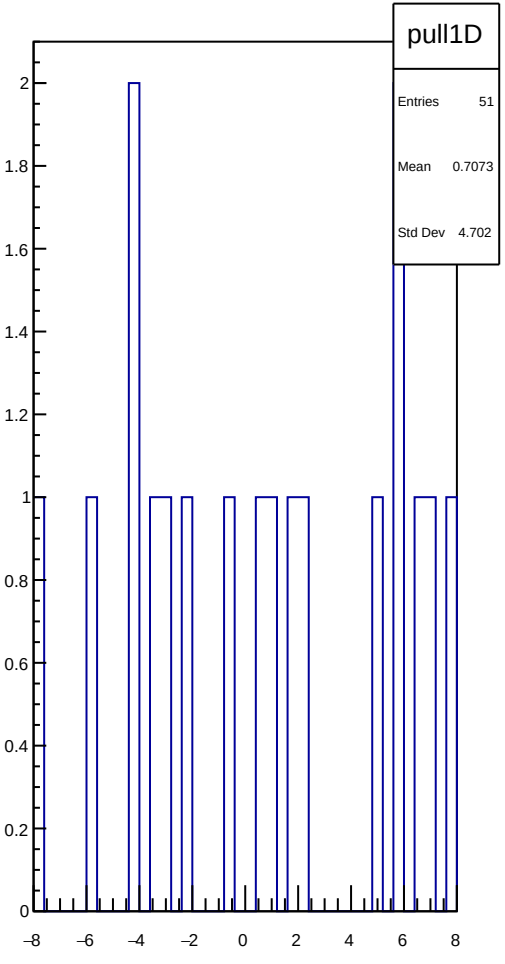

yield_bpm1i02WS_rms vs run
χ² / ndf 7139 / 50
p0 275 ± 0.2809
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

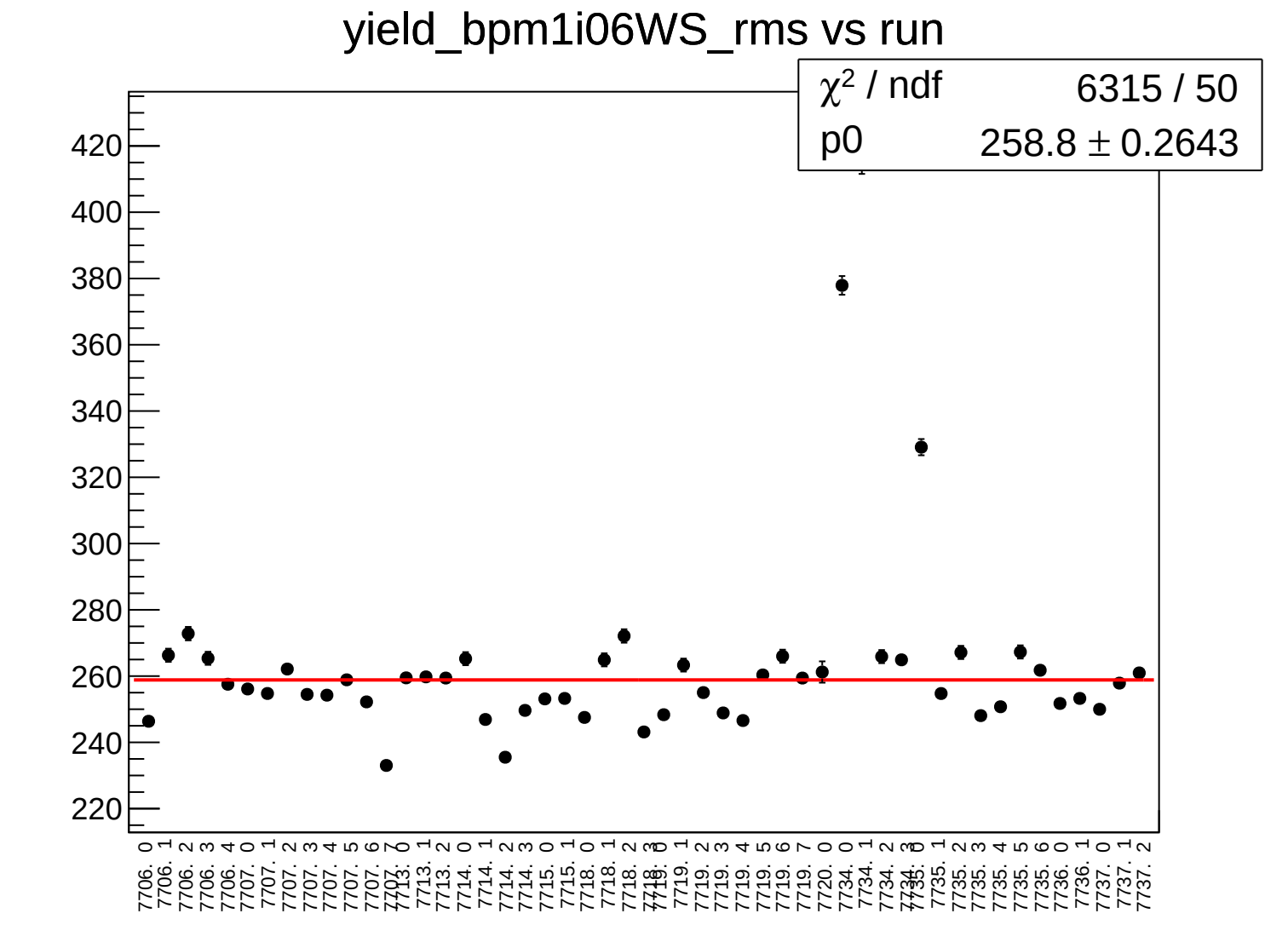

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 2.763e+04 / 50
p0 1.757e+05 ± 0.4244
175.9
175.85
175.8
175.75
175.7
175.65
175.6
175.55
pull
Entries 51
Mean 1900
Std Dev 1896
60
40
20
0
−20
−40

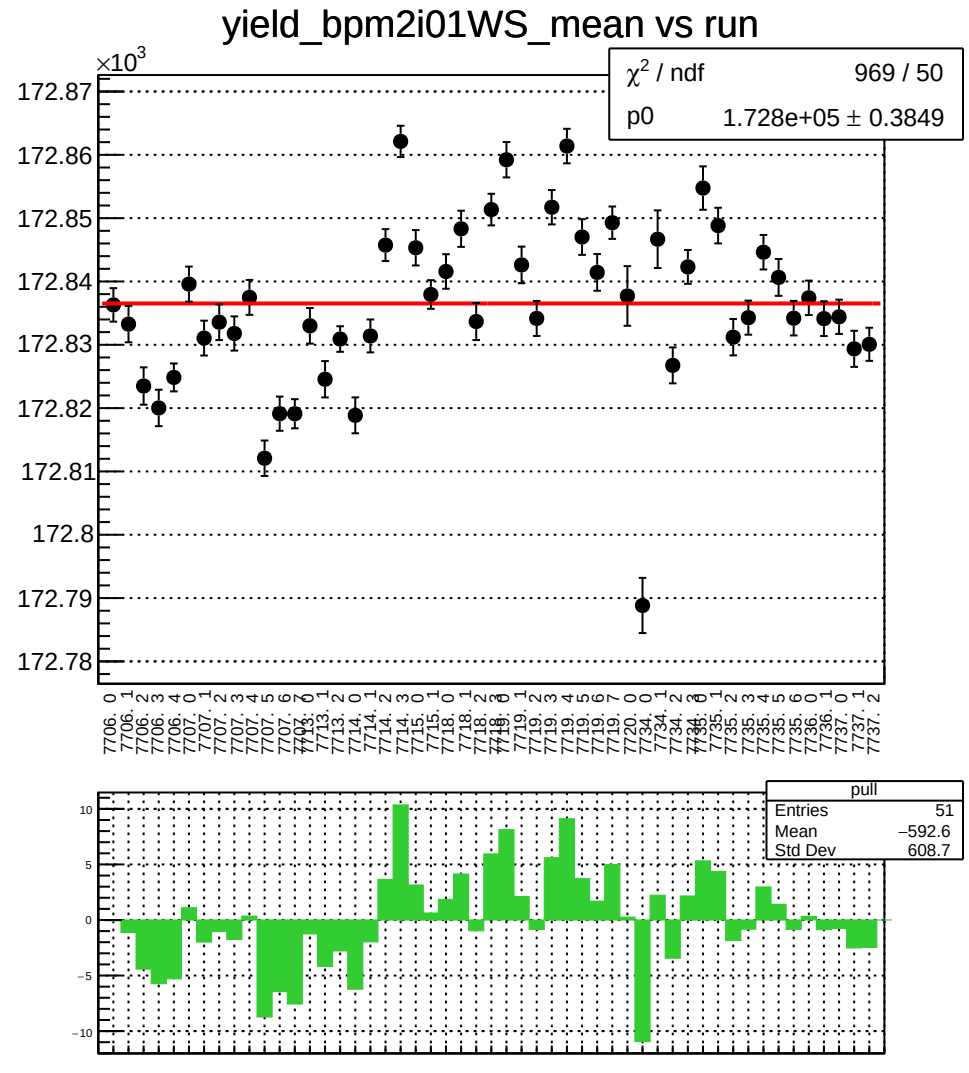

pull1D
Entries 51
Mean −1.107
Std Dev 4.834
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

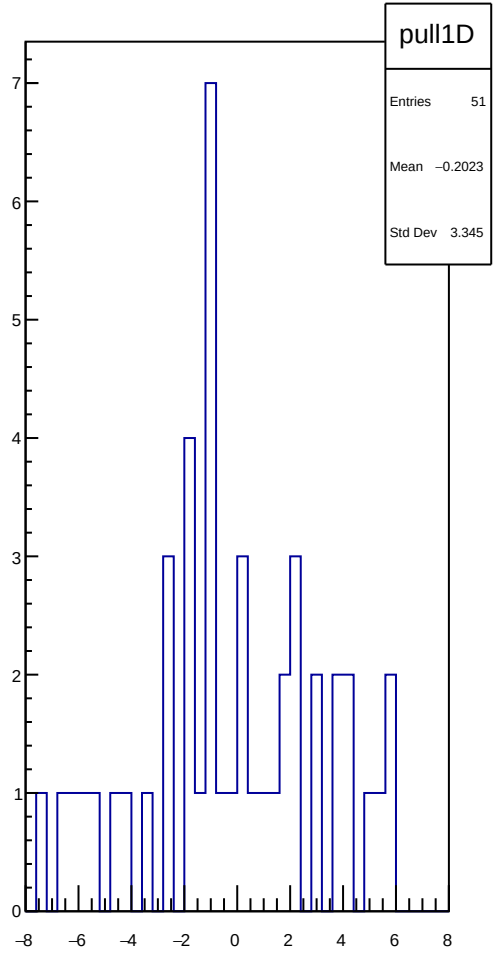

yield_bpm1i04WS_rms vs run
χ² / ndf 6371 / 50
p0 293.9 ± 0.3001
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

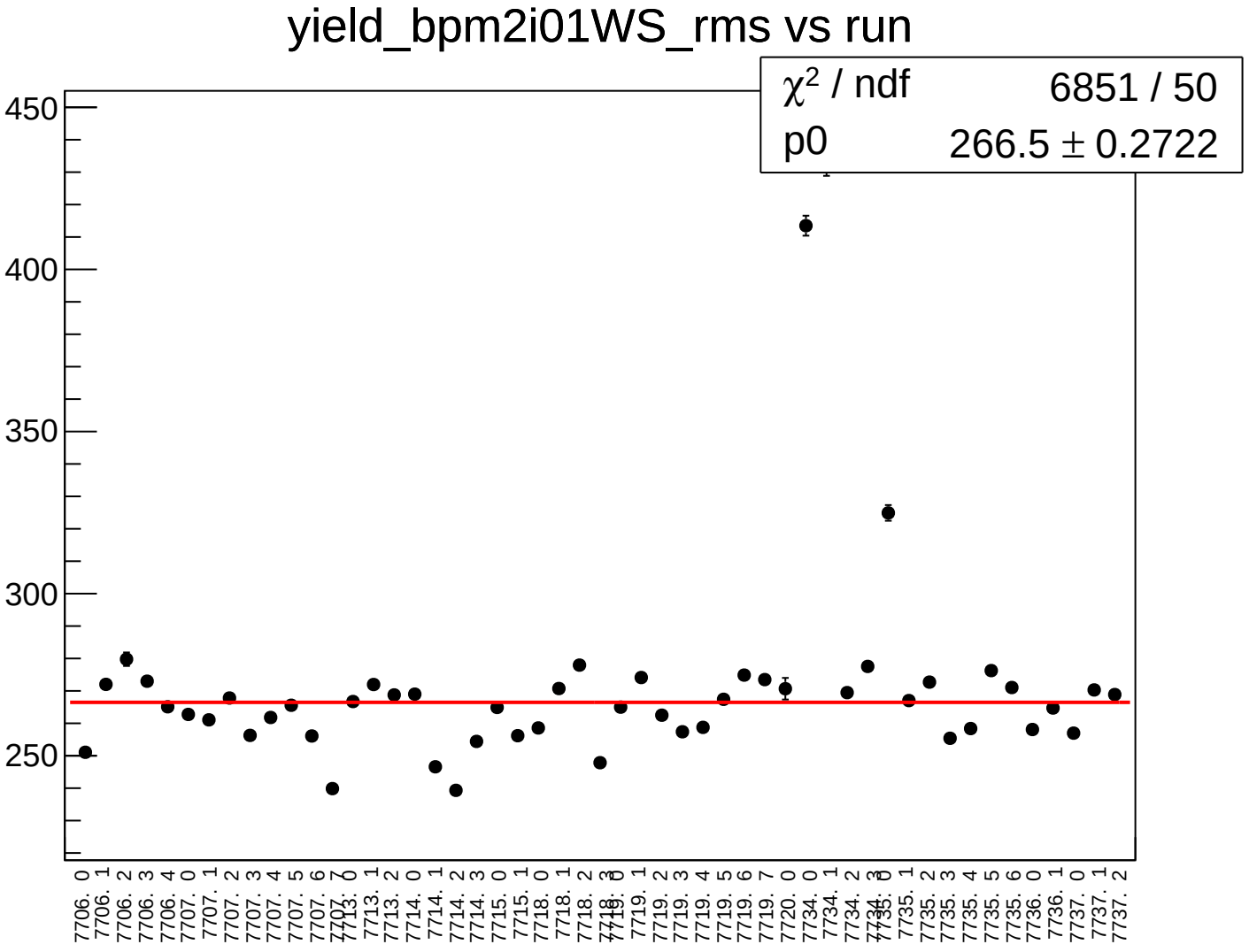

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 2.127e+04 / 50
p0 1.456e+05 ± 0.3738
145.8
145.75
145.7
145.65
145.6
145.55
pull
Entries 51
Mean 744.4
Std Dev 719.4
40
20
0
−20
−40

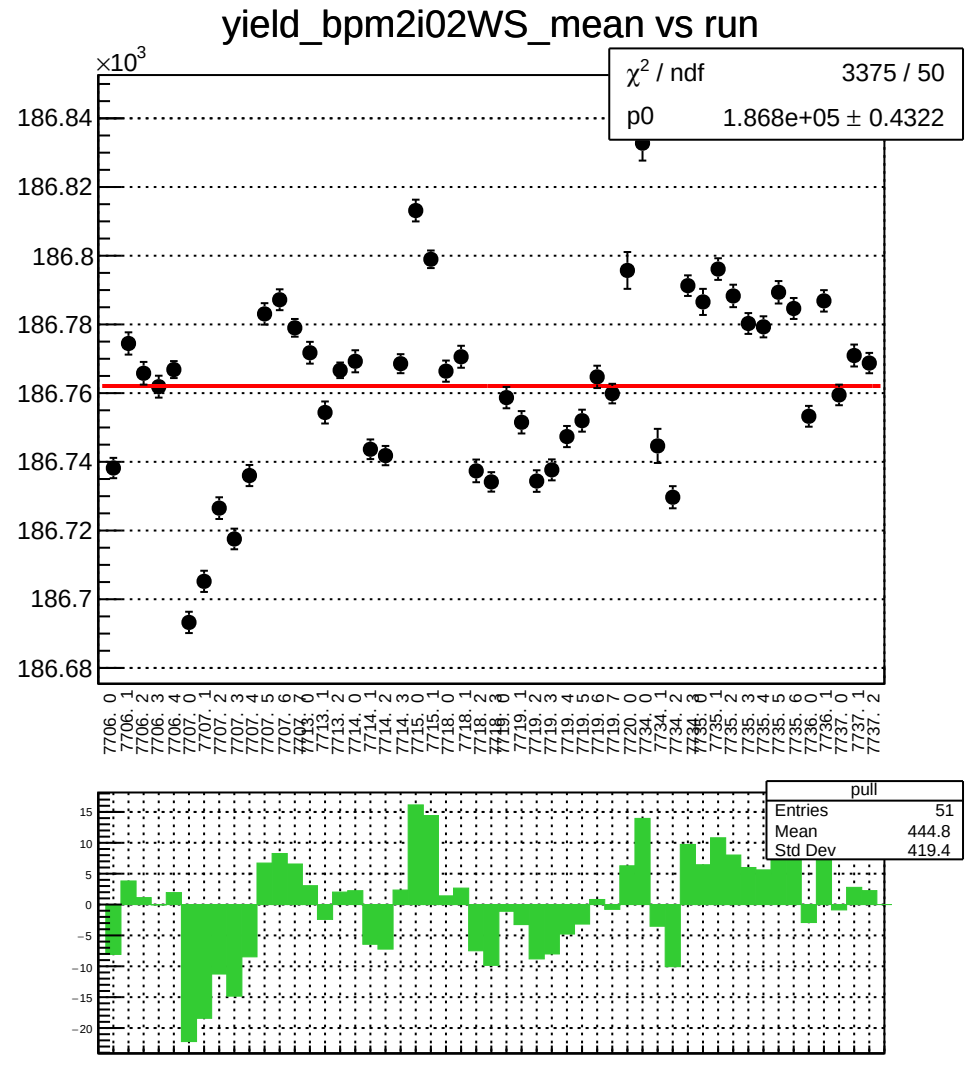

pull1D
Entries 51
Mean 0.7073
Std Dev 4.702
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

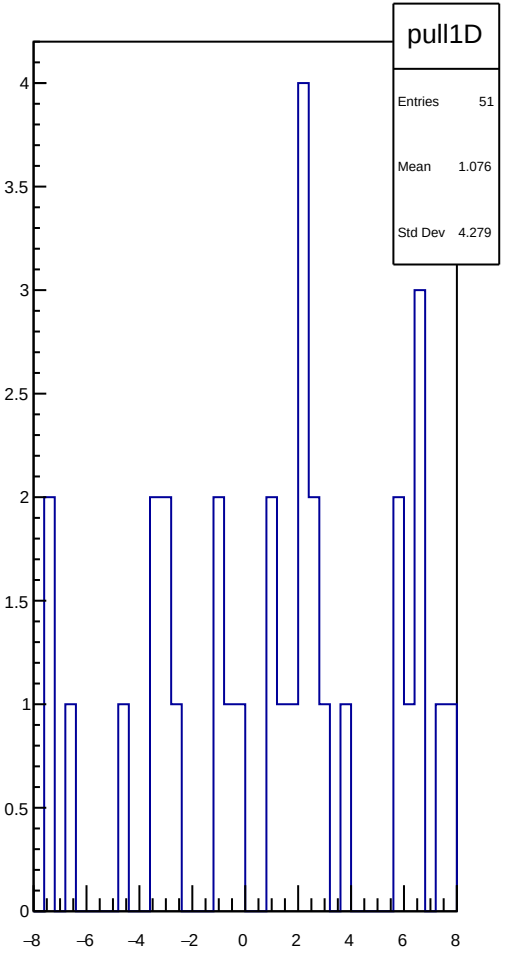

yield_bpm1i06WS_rms vs run
χ² / ndf 6315 / 50
p0 258.8 ± 0.2643
420
400
380
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

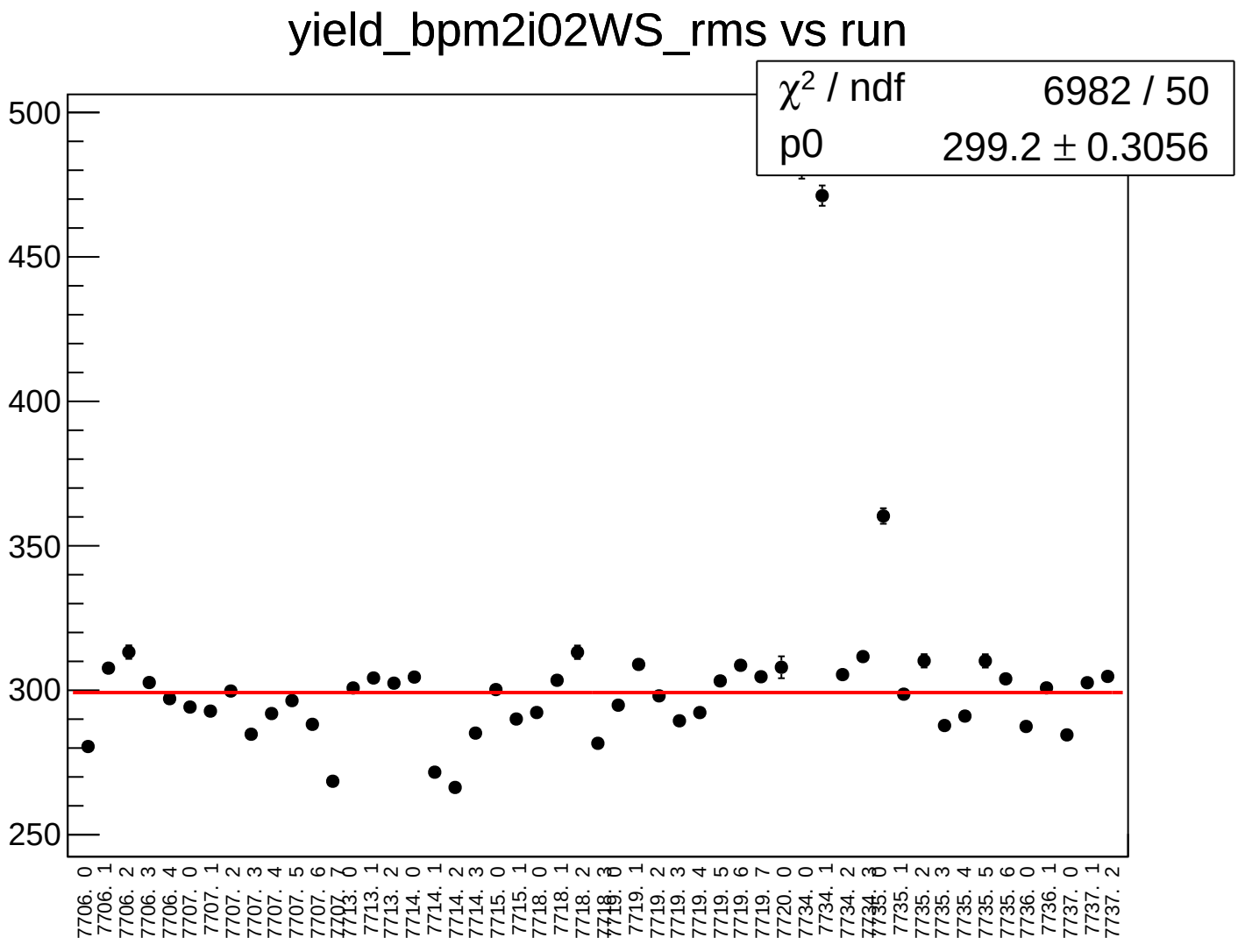

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 969 / 50
p0 1.728e+05 ± 0.3849
172.87
172.86
172.85
172.84
172.83
172.82
172.81
172.8
172.79
172.78
pull
Entries 51
Mean −592.6
Std Dev 608.7
10
5
0
−5
−10

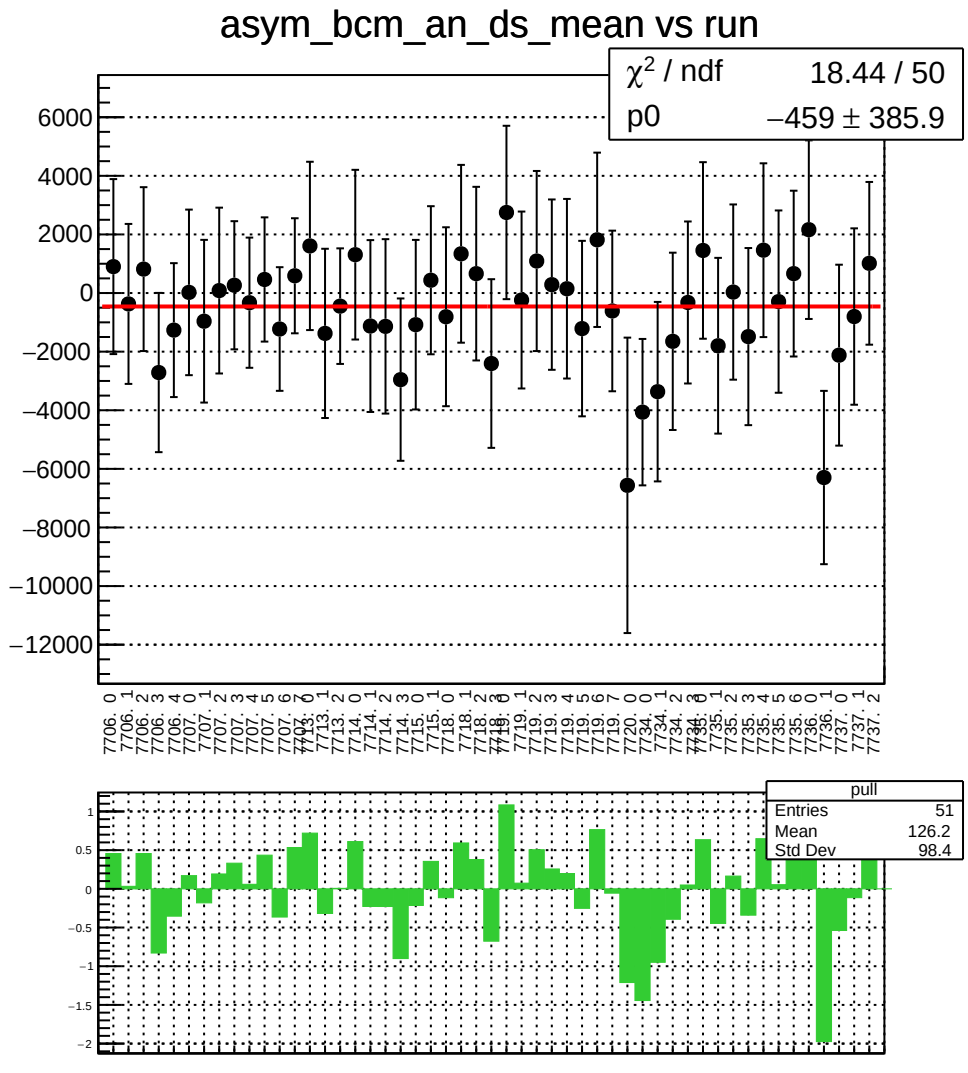

pull1D
Entries 51
Mean −0.2023
Std Dev 3.345
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

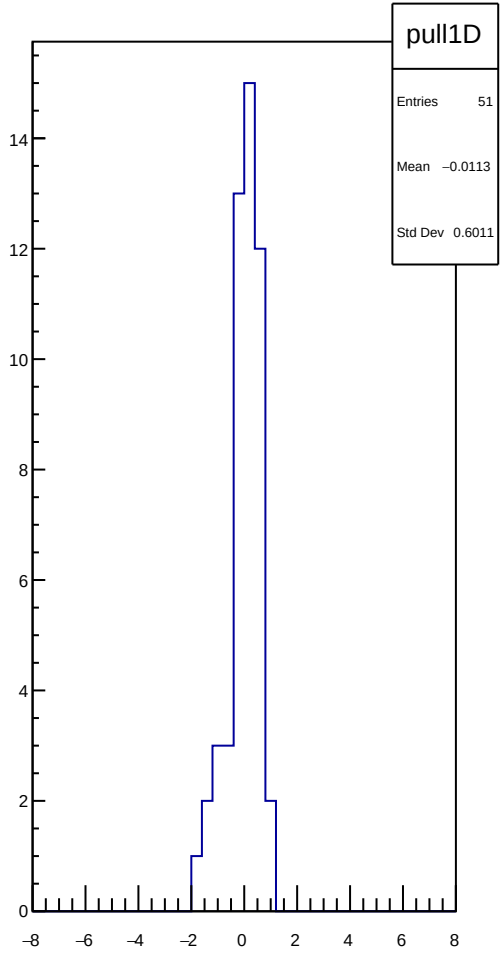

yield_bpm2i01WS_rms vs run
χ^2 / ndf 6851 / 50
p0 266.5 ± 0.2722
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

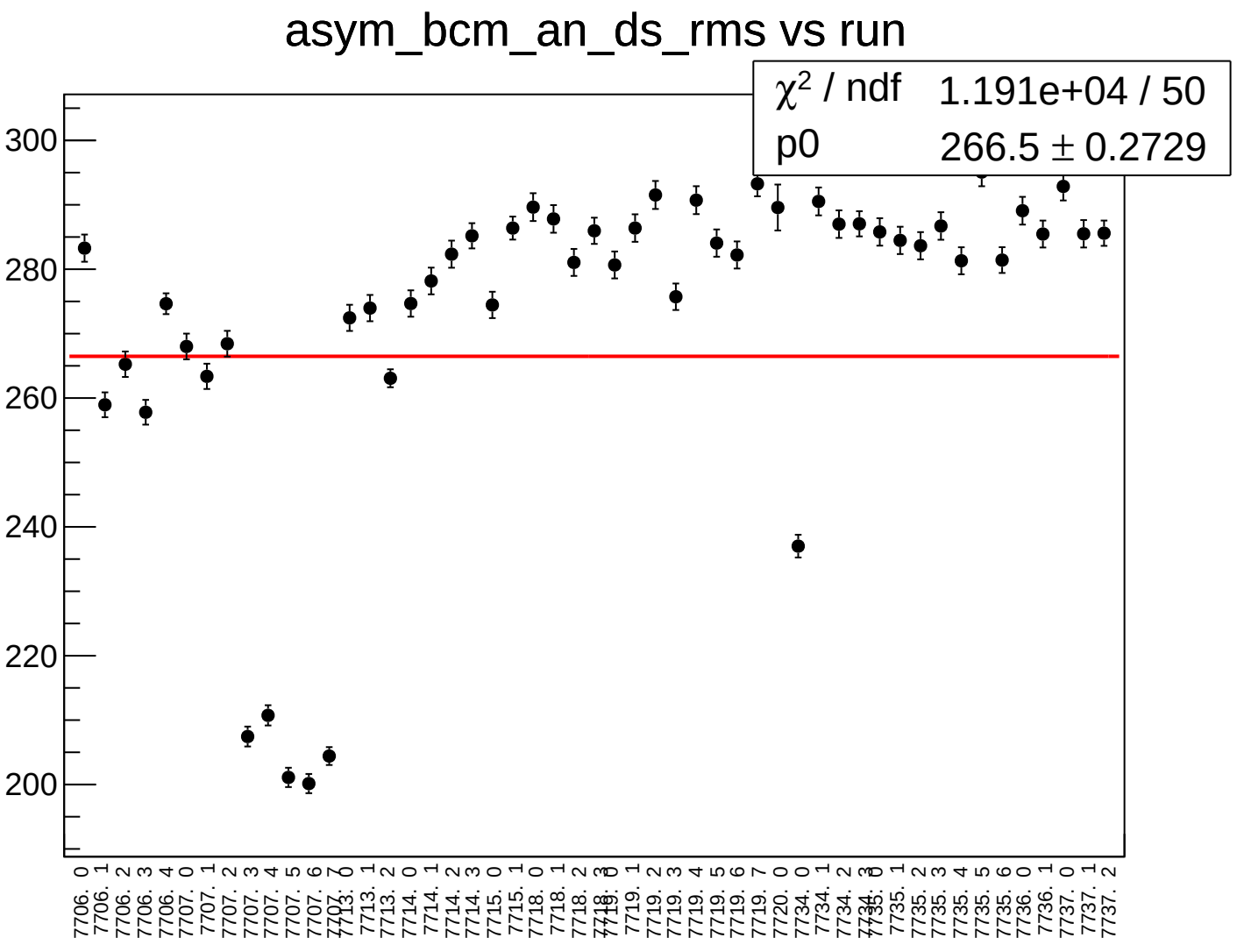

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 3375 / 50
p0 1.868e+05 ± 0.4322
186.84
186.82
186.8
186.78
186.76
186.74
186.72
186.7
186.68
pull
Entries 51
Mean 444.8
Std Dev 419.4
15
10
5
0
−5
−10
−15
−20

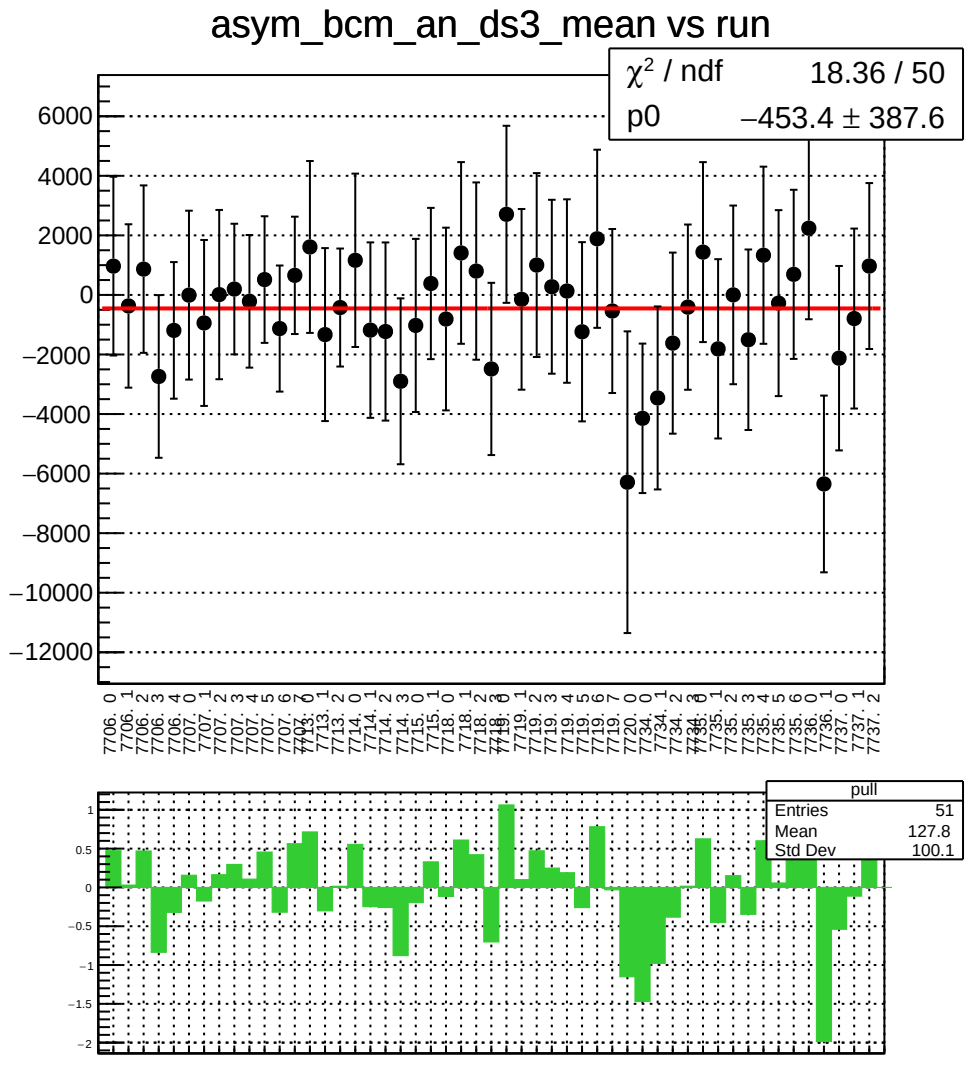

pull1D
Entries 51
Mean 1.076
Std Dev 4.279
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

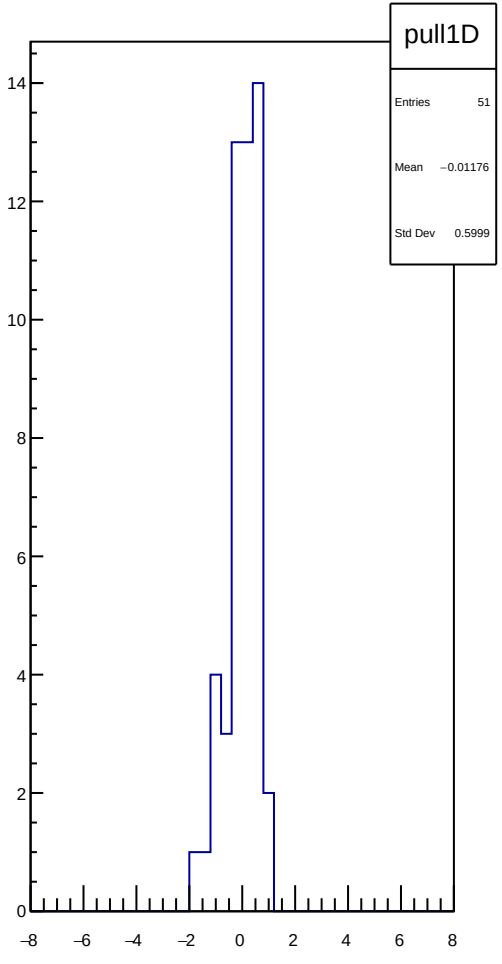

yield_bpm2i02WS_rms vs run
χ² / ndf 6982 / 50
p0 299.2 ± 0.3056
500
450
400
350
300
250
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

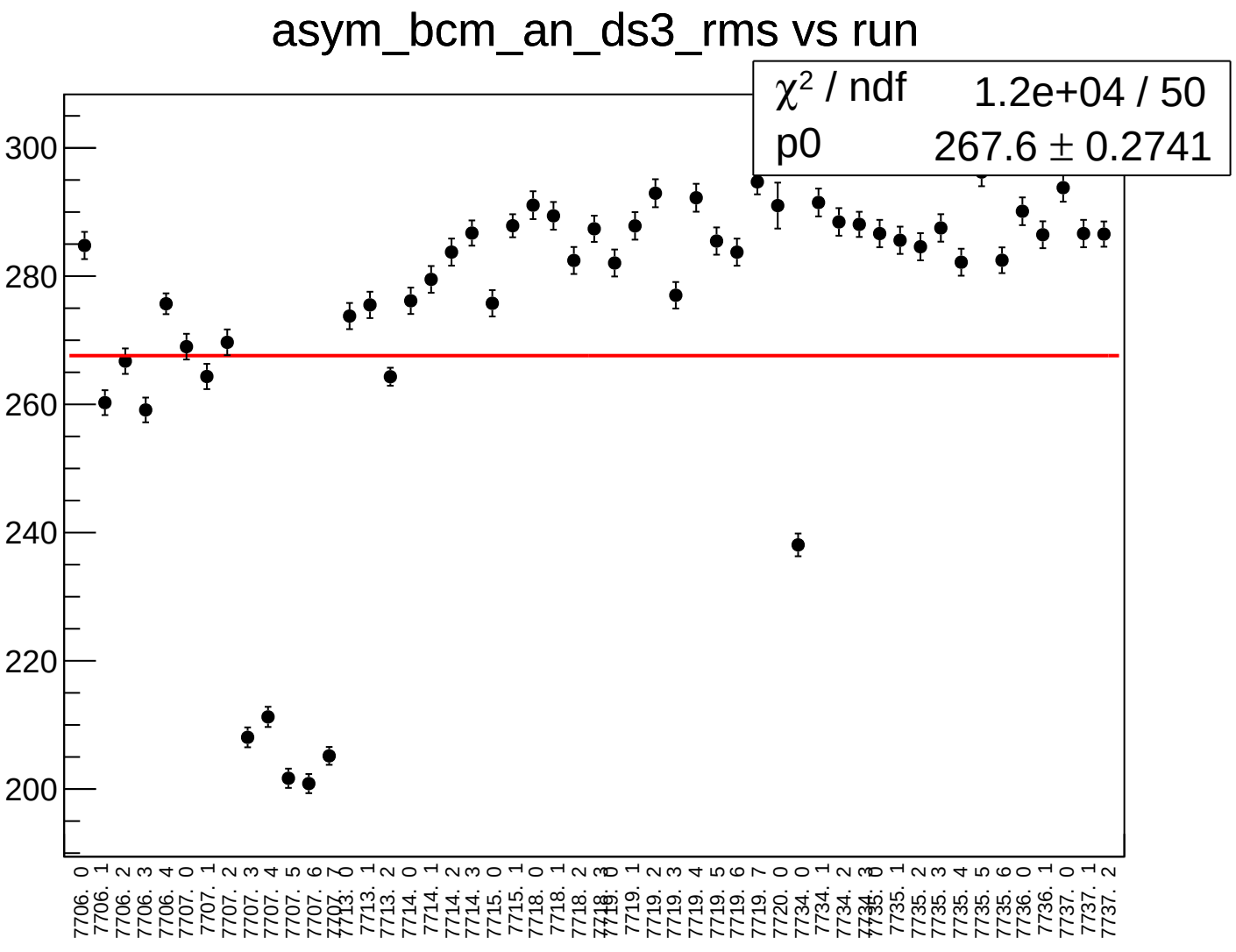

asym_bcm_an_ds_mean vs run
χ² / ndf 18.44 / 50
p0 −459 ± 385.9
pull
Entries 51
Mean 126.2
Std Dev 98.4

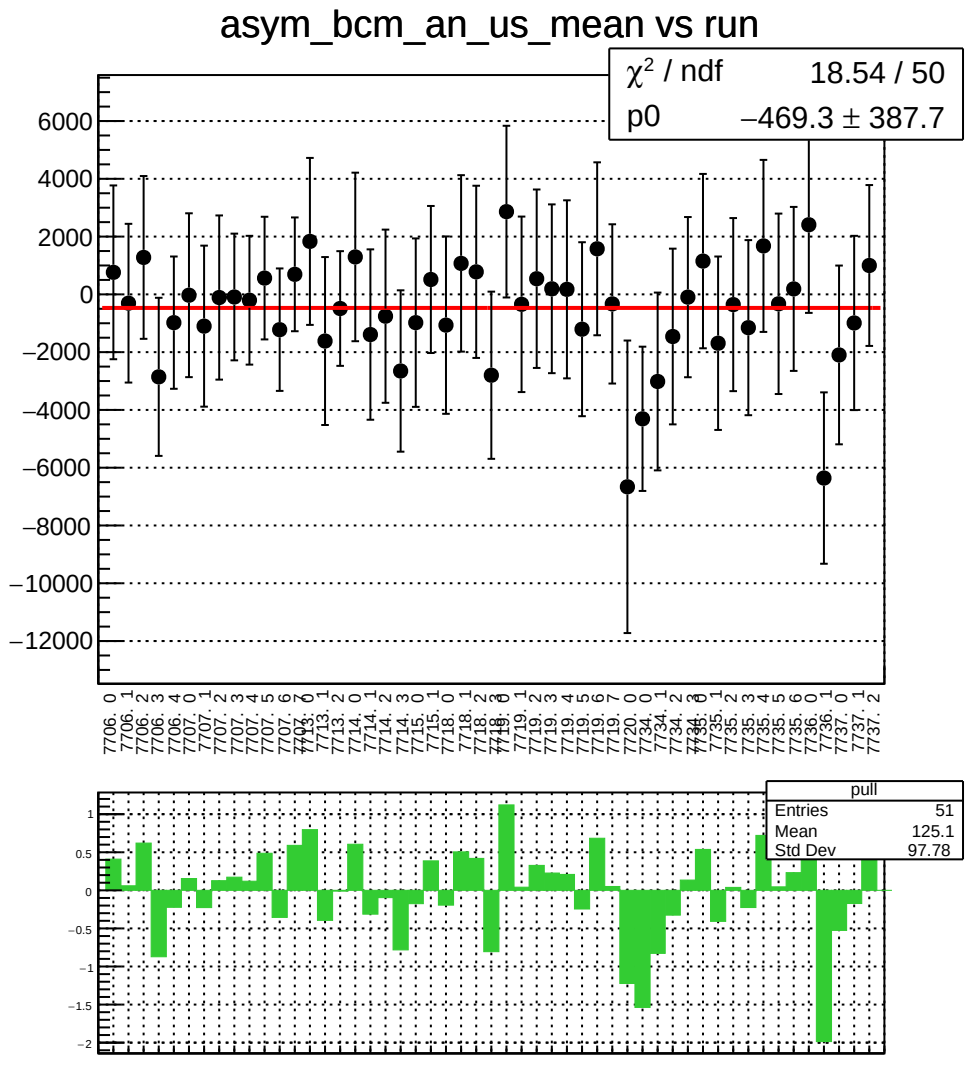

pull1D
Entries 51
Mean −0.0113
Std Dev 0.6011

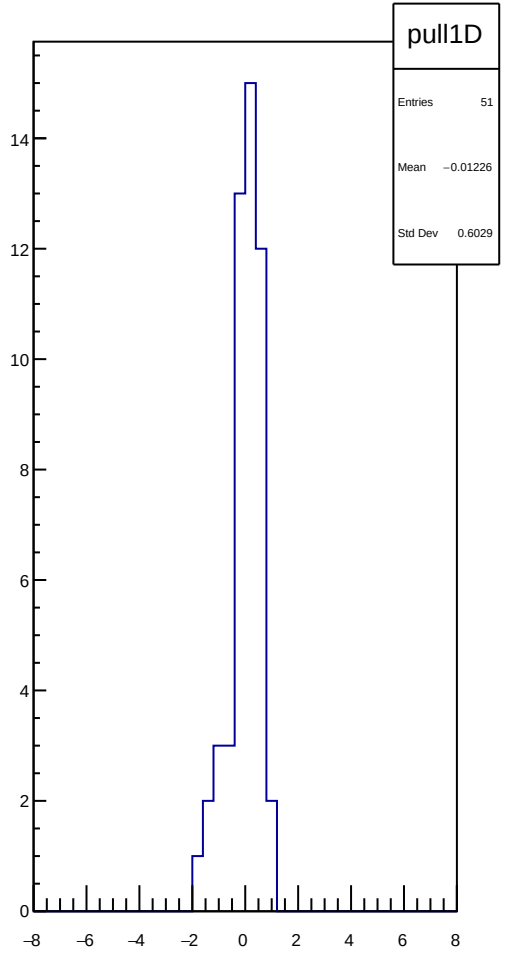

asym_bcm_an_ds_rms vs run
χ² / ndf 1.191e+04 / 50
p0 266.5 ± 0.2729
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

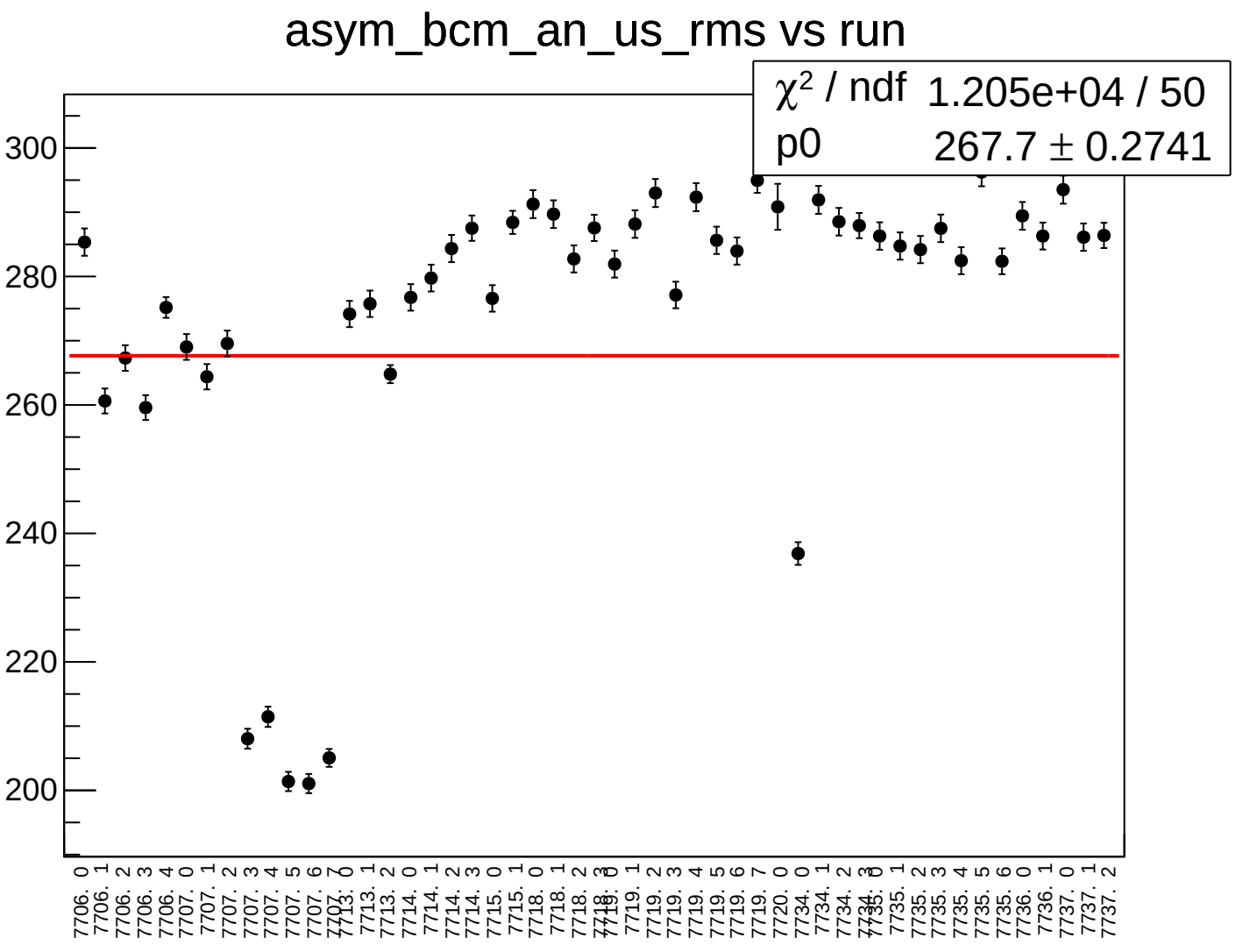

asym_bcm_an_ds3_mean vs run
χ² / ndf 18.36 / 50
p0 −453.4 ± 387.6
pull
Entries 51
Mean 127.8
Std Dev 100.1

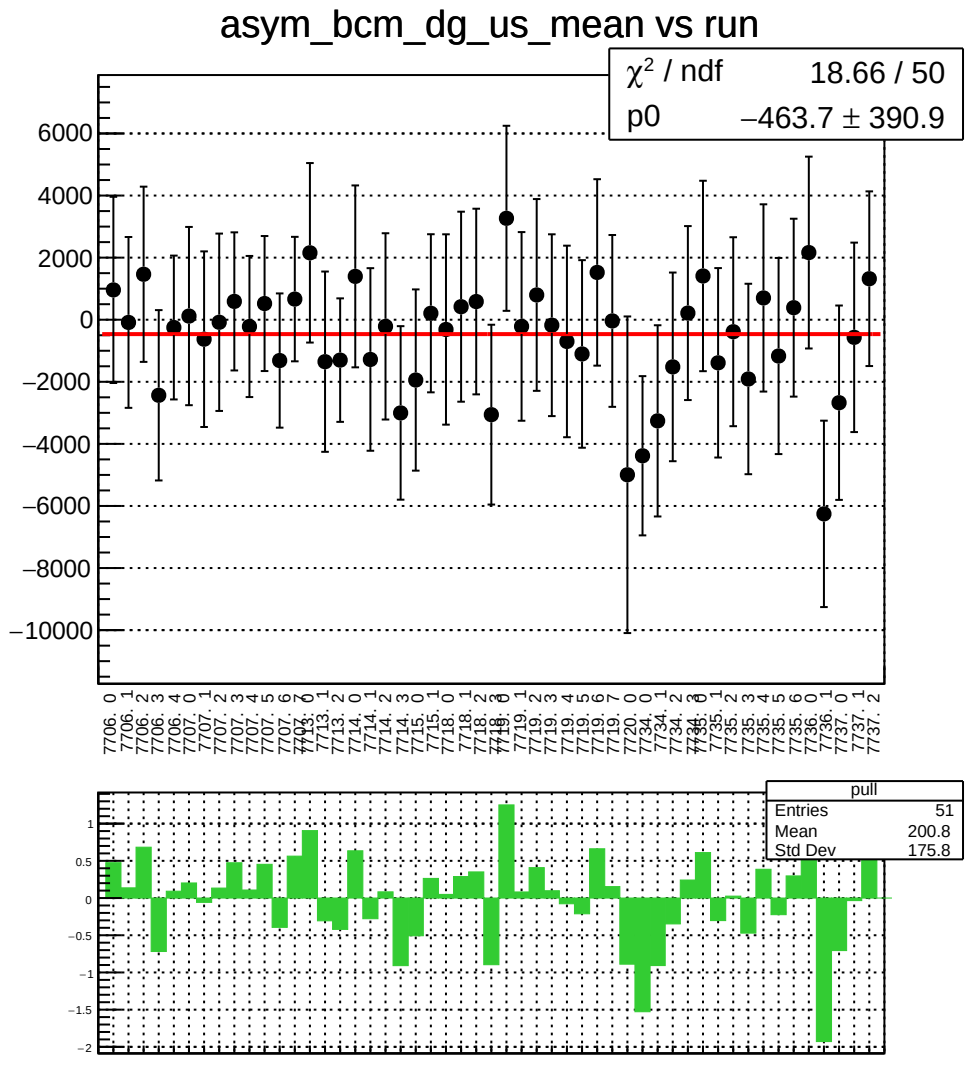

pull1D
Entries 51
Mean −0.01176
Std Dev 0.5999

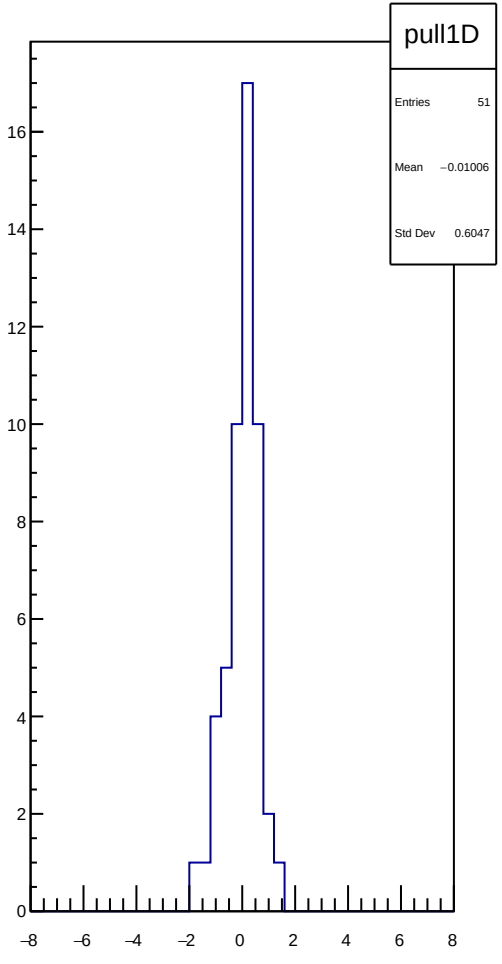

asym_bcm_an_ds3_rms vs run
χ² / ndf 1.2e+04 / 50
p0 267.6 ± 0.2741
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

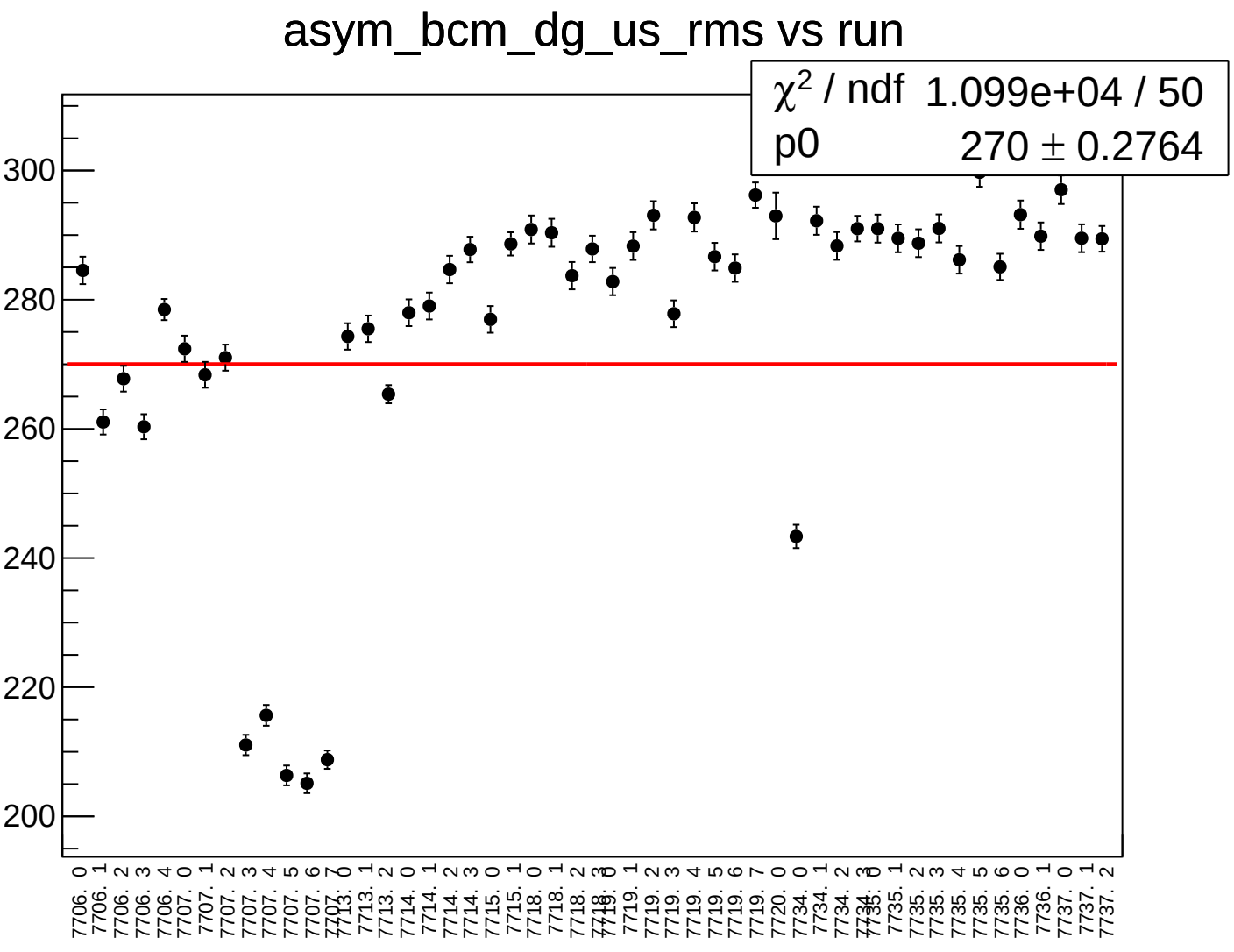

asym_bcm_an_us_mean vs run
χ² / ndf 18.54 / 50
p0 −469.3 ± 387.7
pull
Entries 51
Mean 125.1
Std Dev 97.78

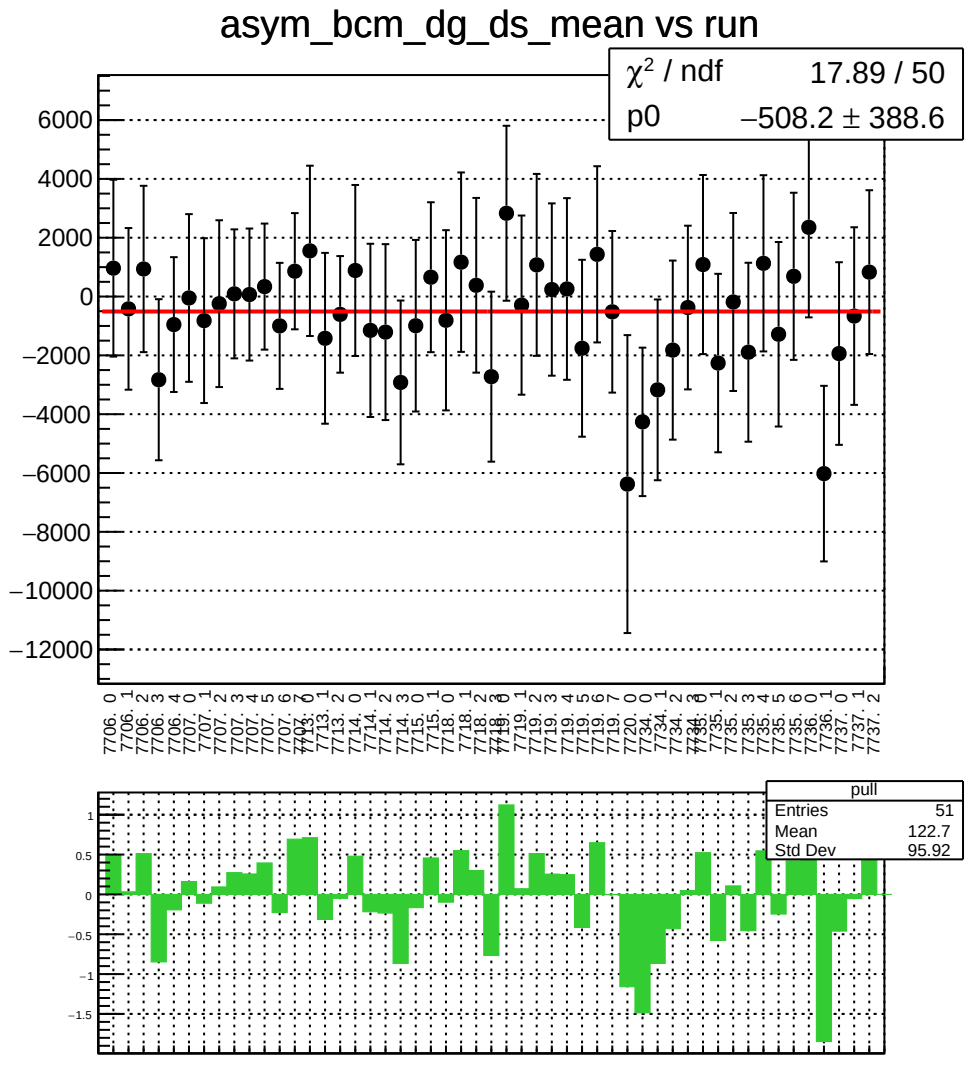

pull1D
Entries 51
Mean −0.01226
Std Dev 0.6029

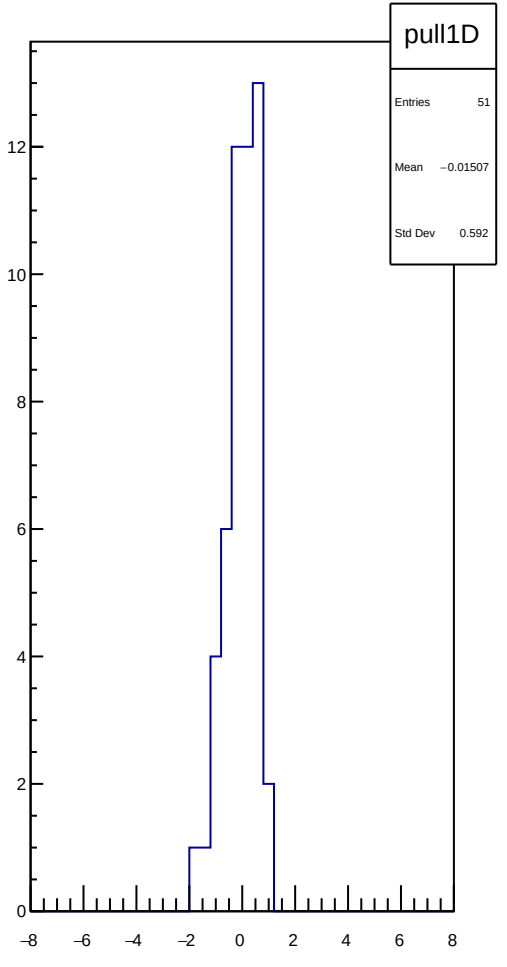

asym_bcm_an_us_rms vs run
χ² / ndf 1.205e+04 / 50
p0 267.7 ± 0.2741
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

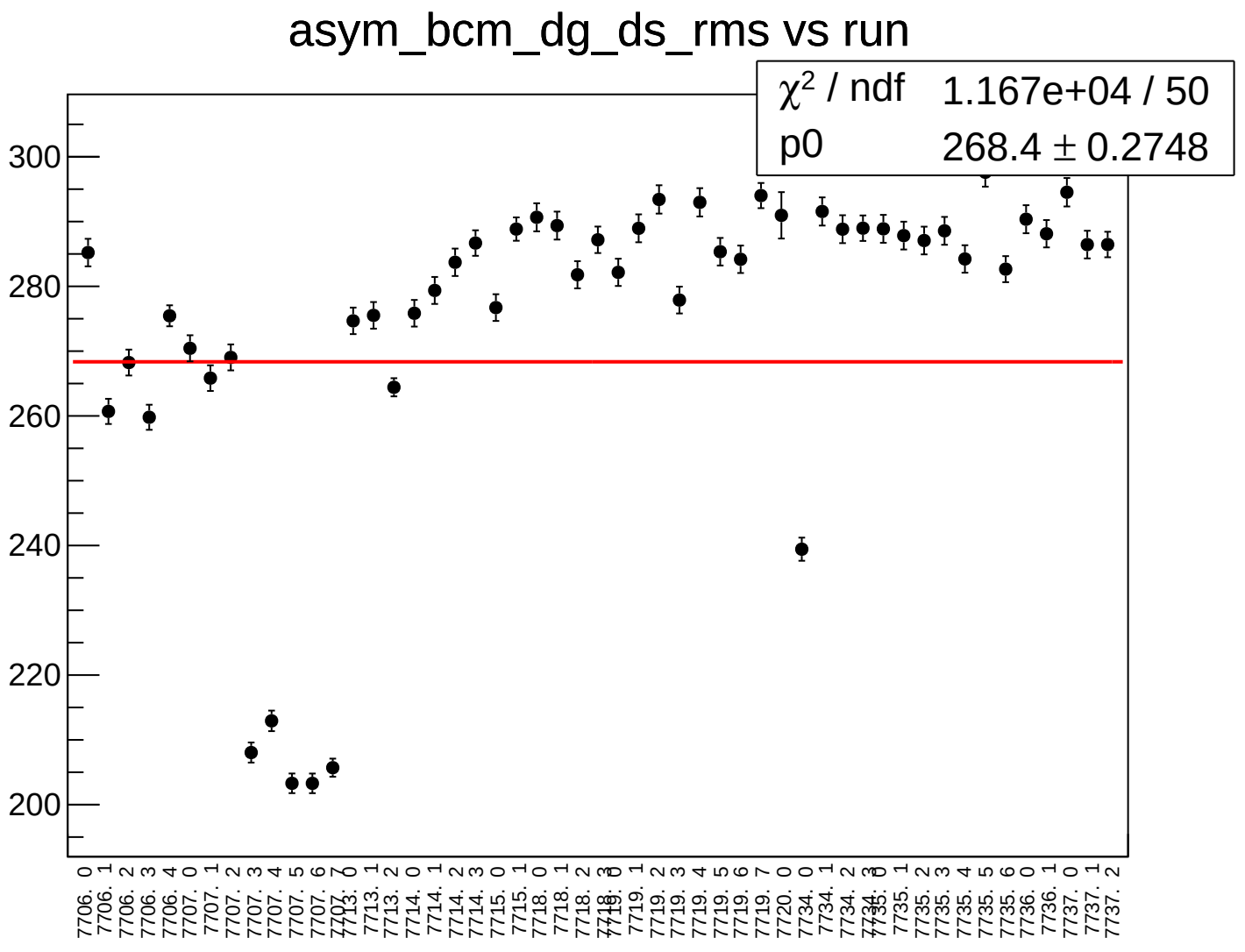

asym_bcm_dg_us_mean vs run
χ² / ndf 18.66 / 50
p0 −463.7 ± 390.9
pull
Entries 51
Mean 200.8
Std Dev 175.8

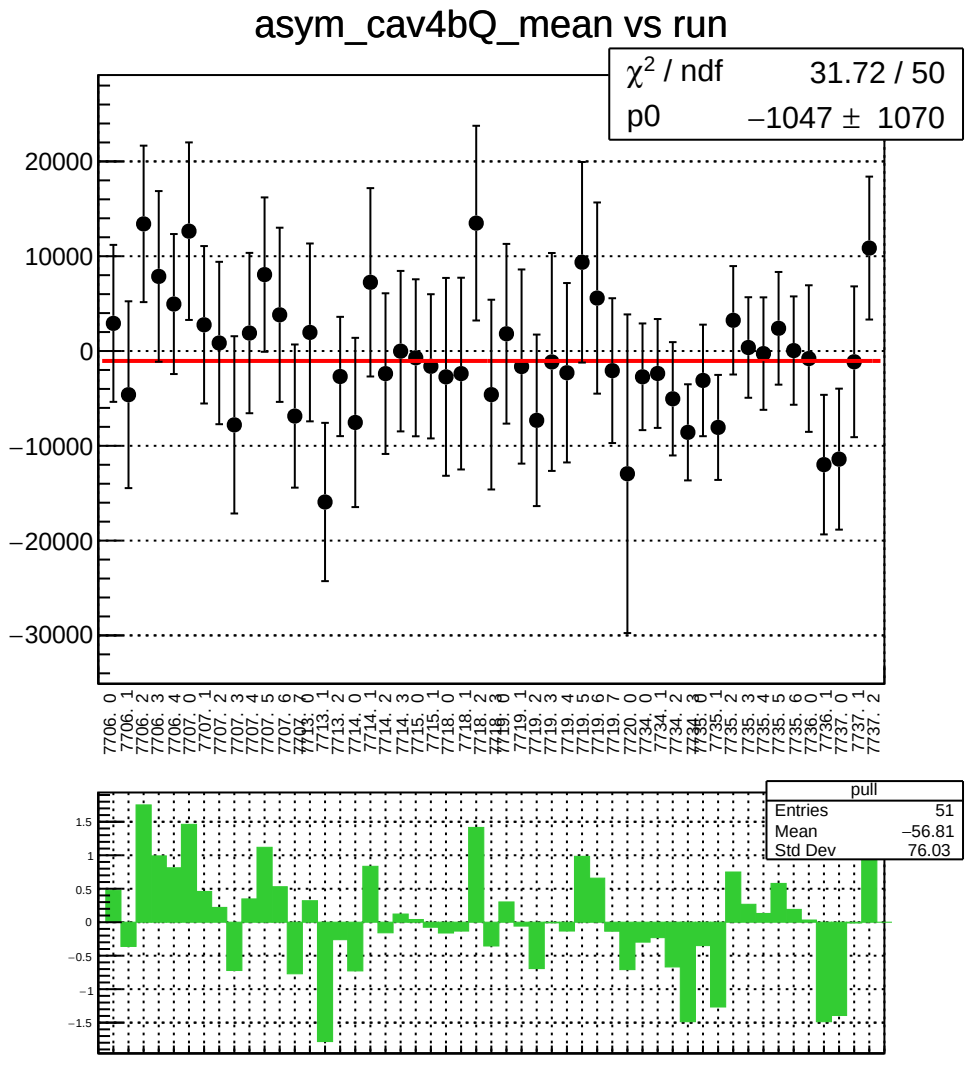

pull1D
Entries 51
Mean −0.01006
Std Dev 0.6047

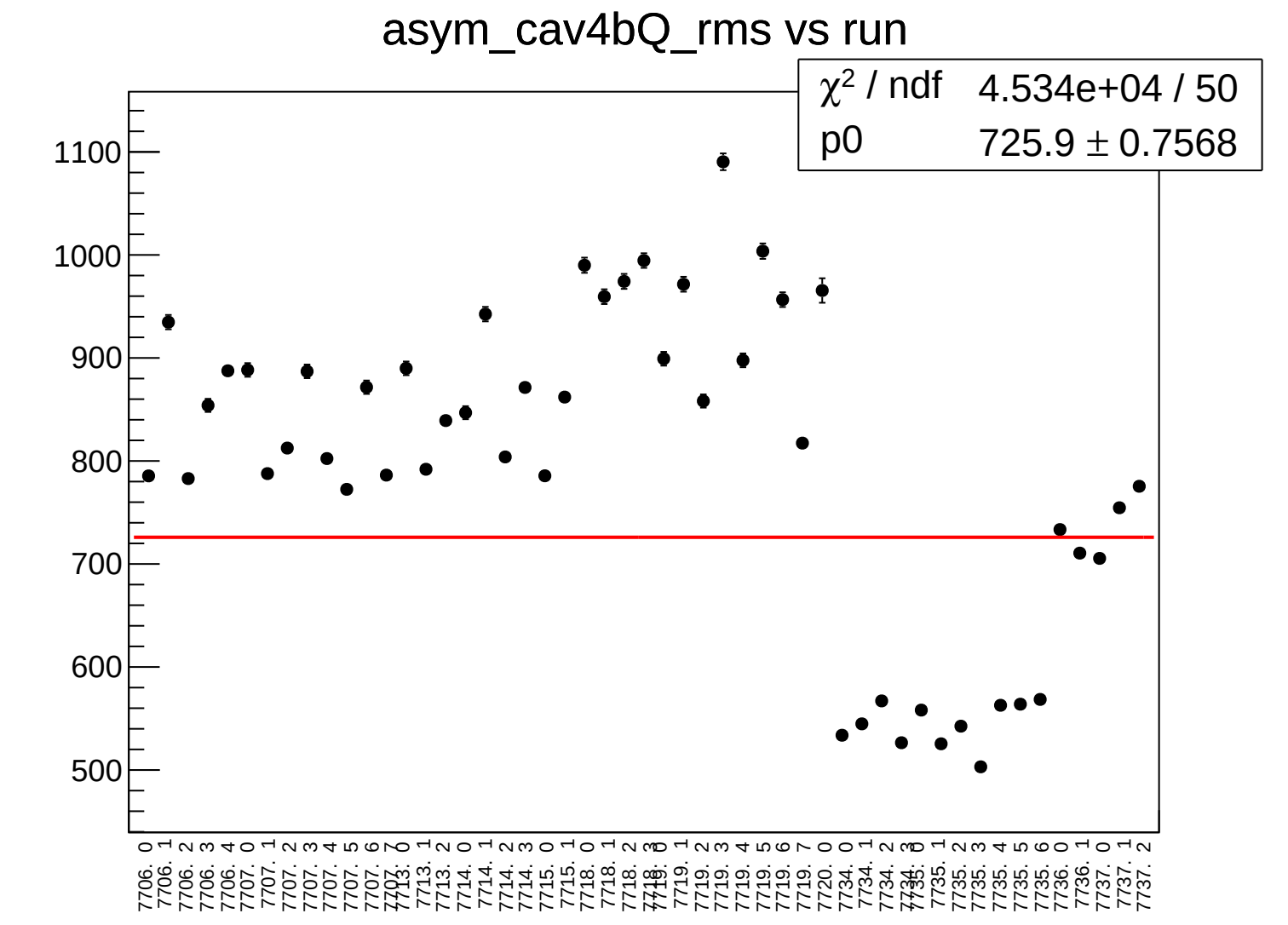

asym_bcm_dg_us_rms vs run
χ² / ndf 1.099e+04 / 50
p0 270 ± 0.2764
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

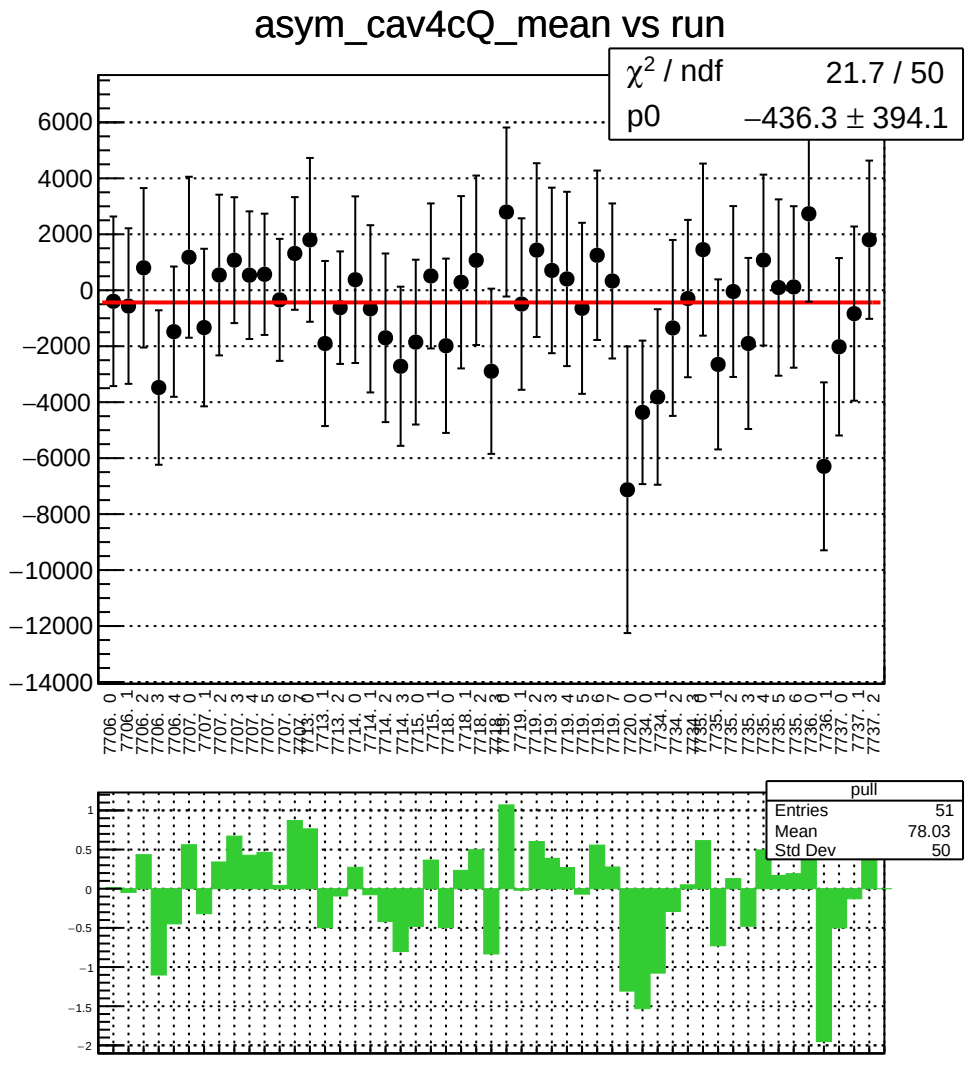

asym_bcm_dg_ds_mean vs run
χ² / ndf 17.89 / 50
p0 −508.2 ± 388.6
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 51
Mean 122.7
Std Dev 95.92
1
0.5
0
−0.5
−1
−1.5

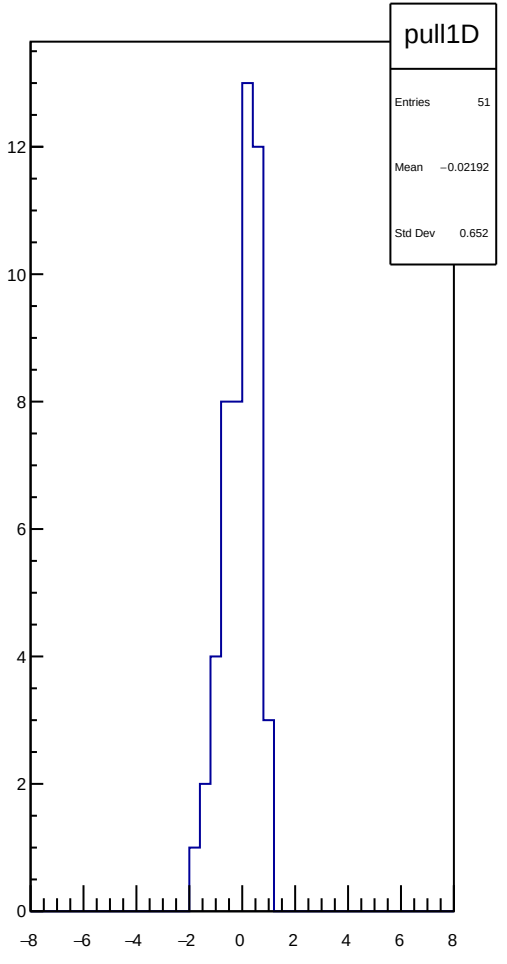

pull1D
Entries 51
Mean −0.01507
Std Dev 0.592
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

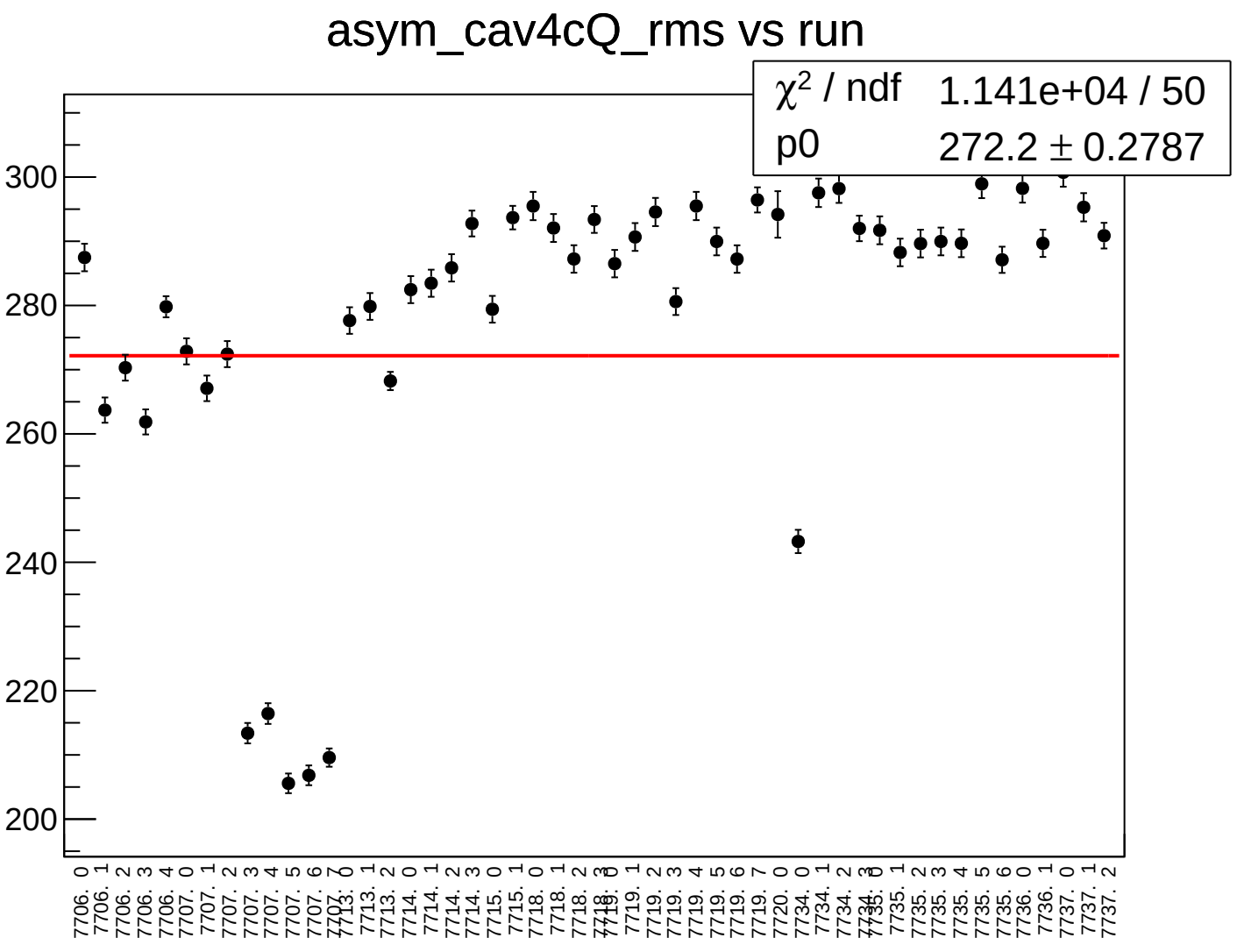

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.167e+04 / 50
p0 268.4 ± 0.2748
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

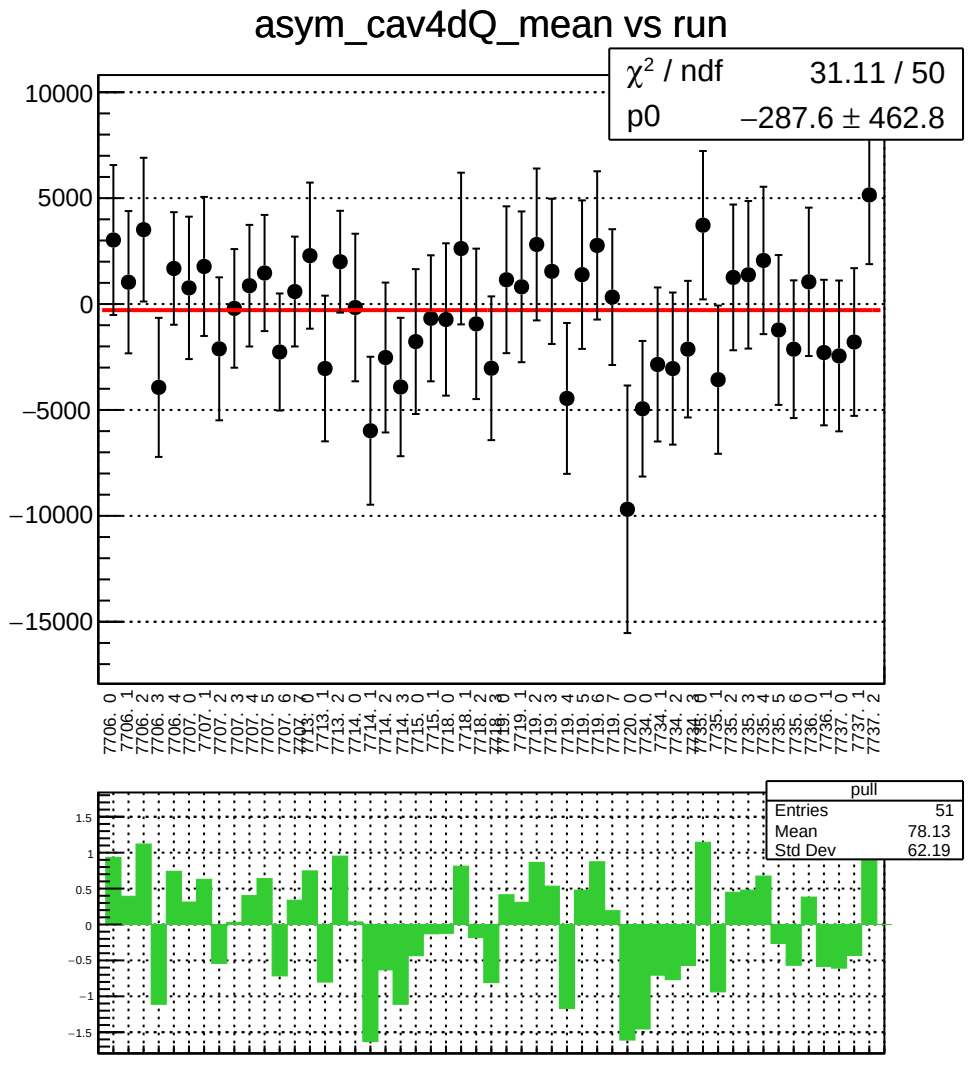

asym_cav4bQ_mean vs run
χ² / ndf 31.72 / 50
p0 −1047 ± 1070
20000
10000
0
−10000
−20000
−30000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −56.81
Std Dev 76.03
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 51
Mean 0.0384
Std Dev 0.7877
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

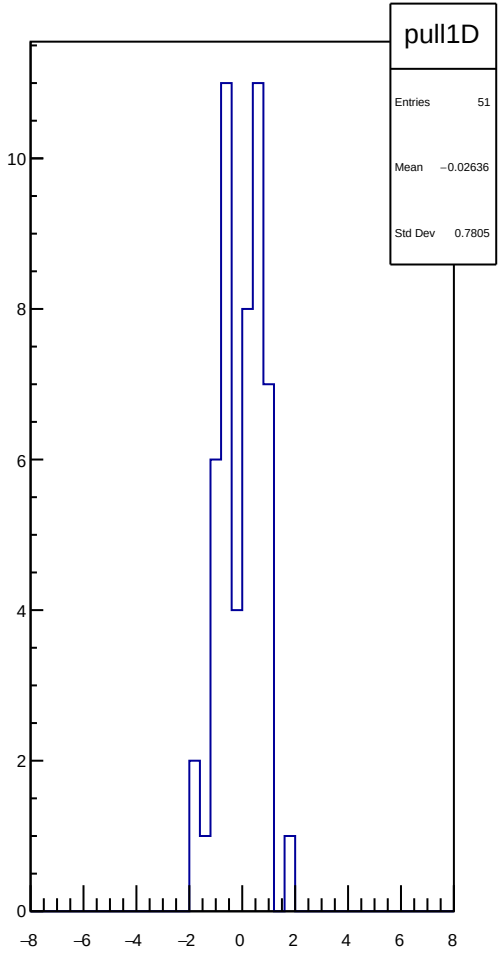

asym_cav4bQ_rms vs run
χ² / ndf 4.534e+04 / 50
p0 725.9 ± 0.7568
1100
1000
900
800
700
600
500
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

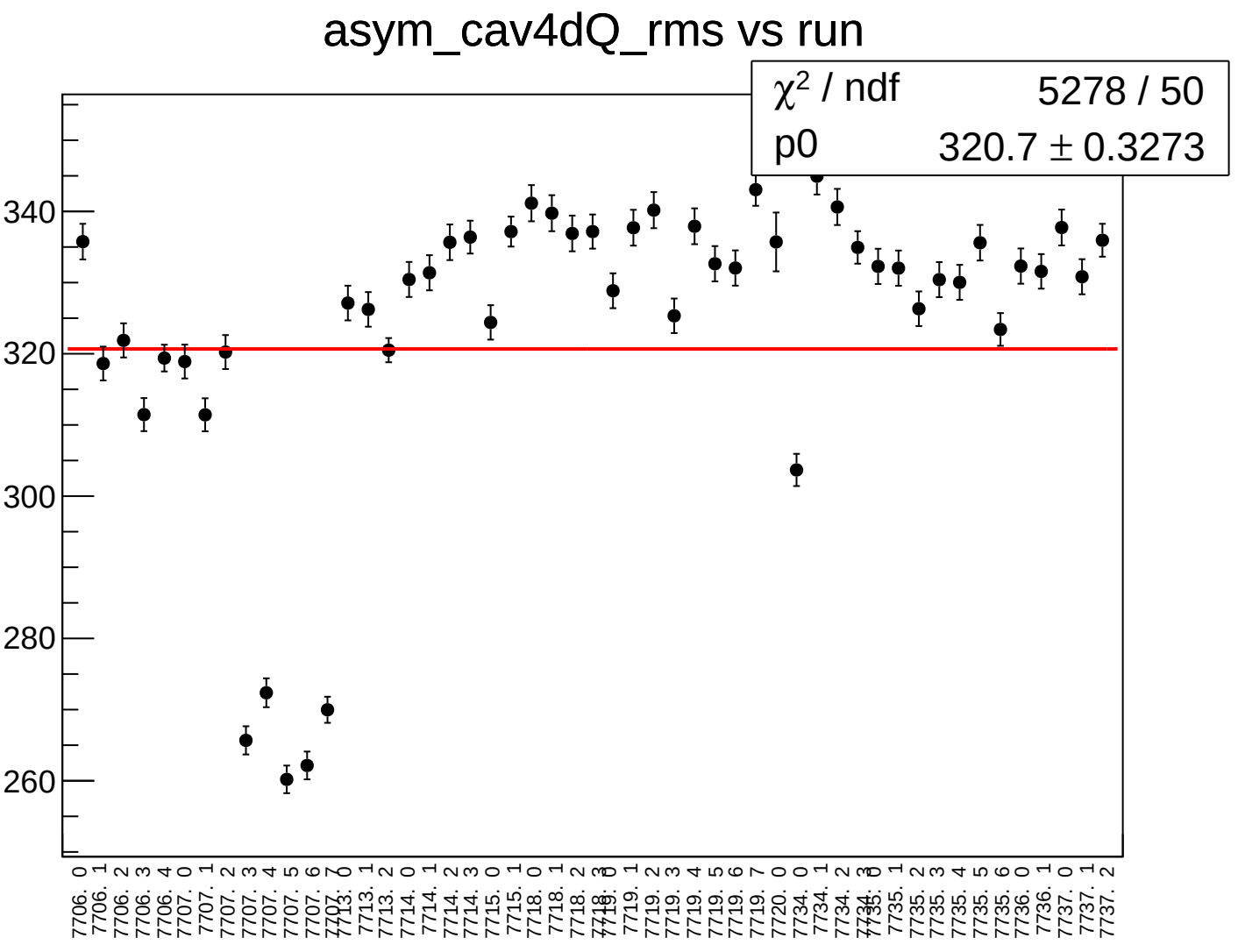

asym_cav4cQ_mean vs run
χ² / ndf 21.7 / 50
p0 −436.3 ± 394.1
pull
Entries 51
Mean 78.03
Std Dev 50

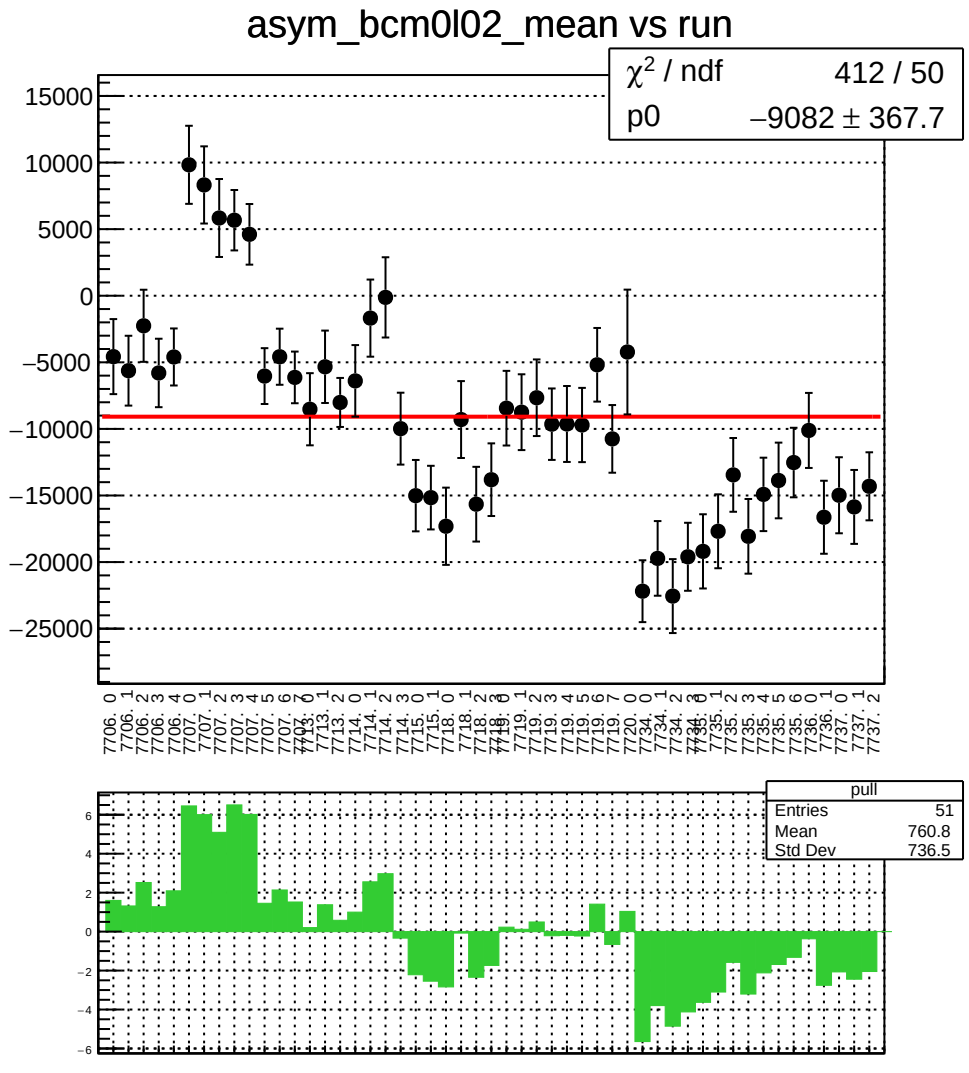

pull1D
Entries 51
Mean −0.02192
Std Dev 0.652

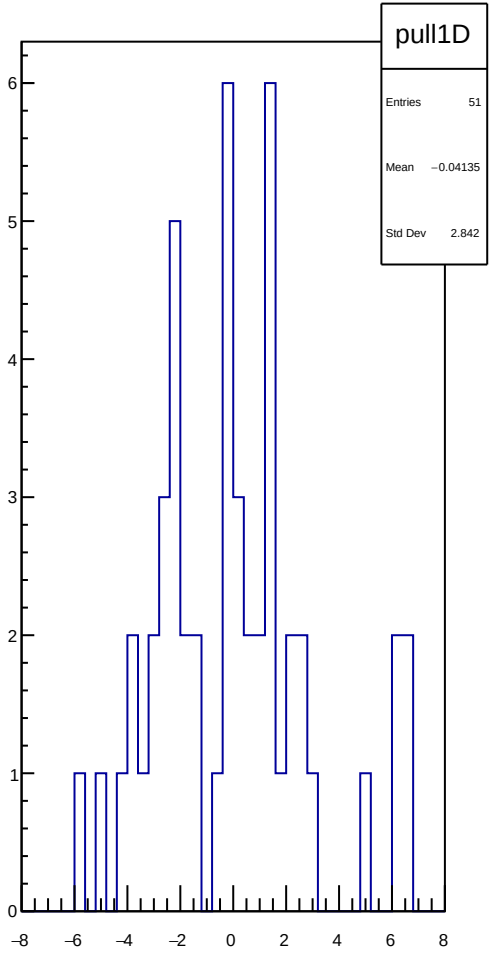

asym_cav4cQ_rms vs run
χ² / ndf 1.141e+04 / 50
p0 272.2 ± 0.2787
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

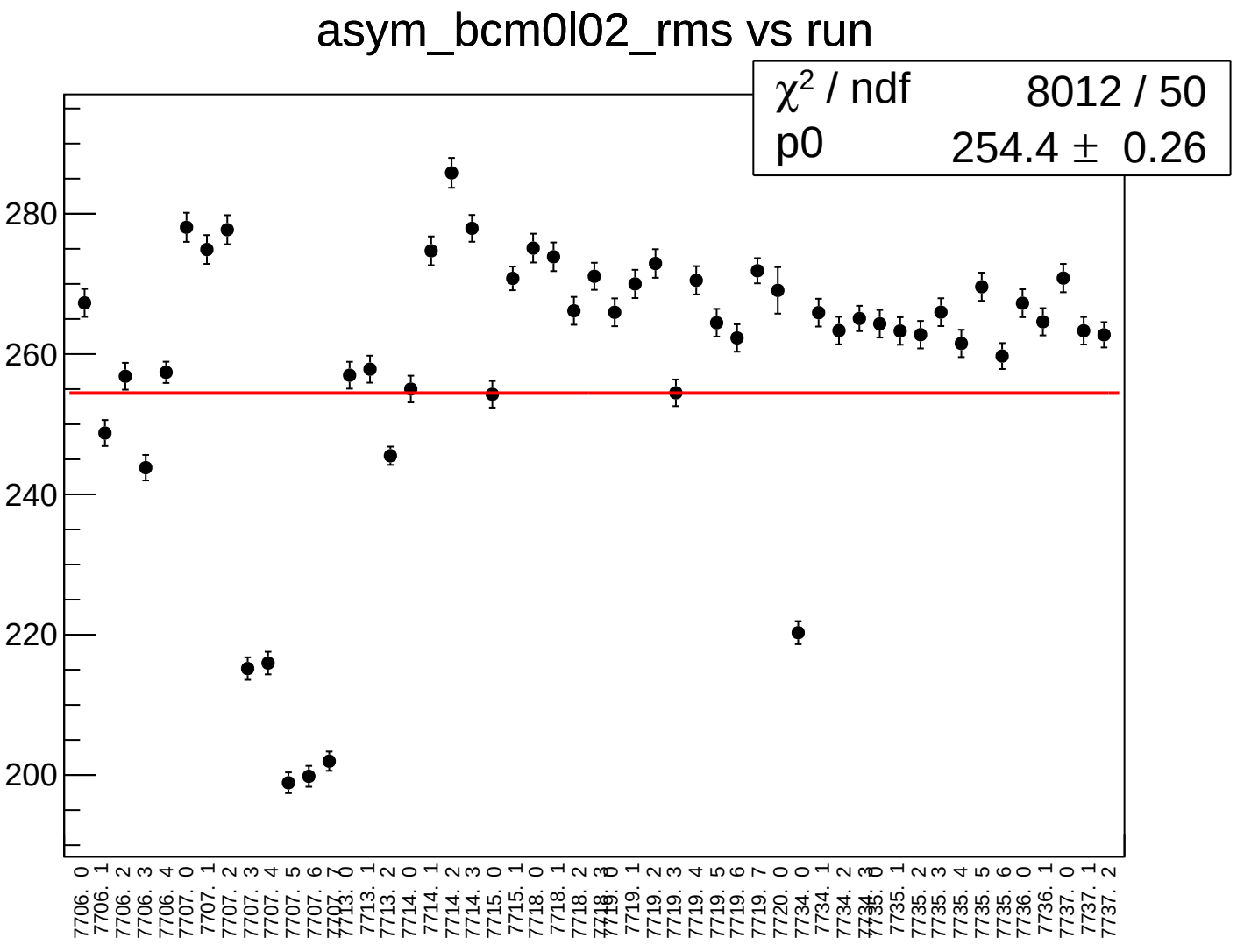

asym_cav4dQ_mean vs run
χ² / ndf 31.11 / 50
p0 −287.6 ± 462.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 51
Mean 78.13
Std Dev 62.19
1.5
1
0.5
0
−0.5
−1
−1.5

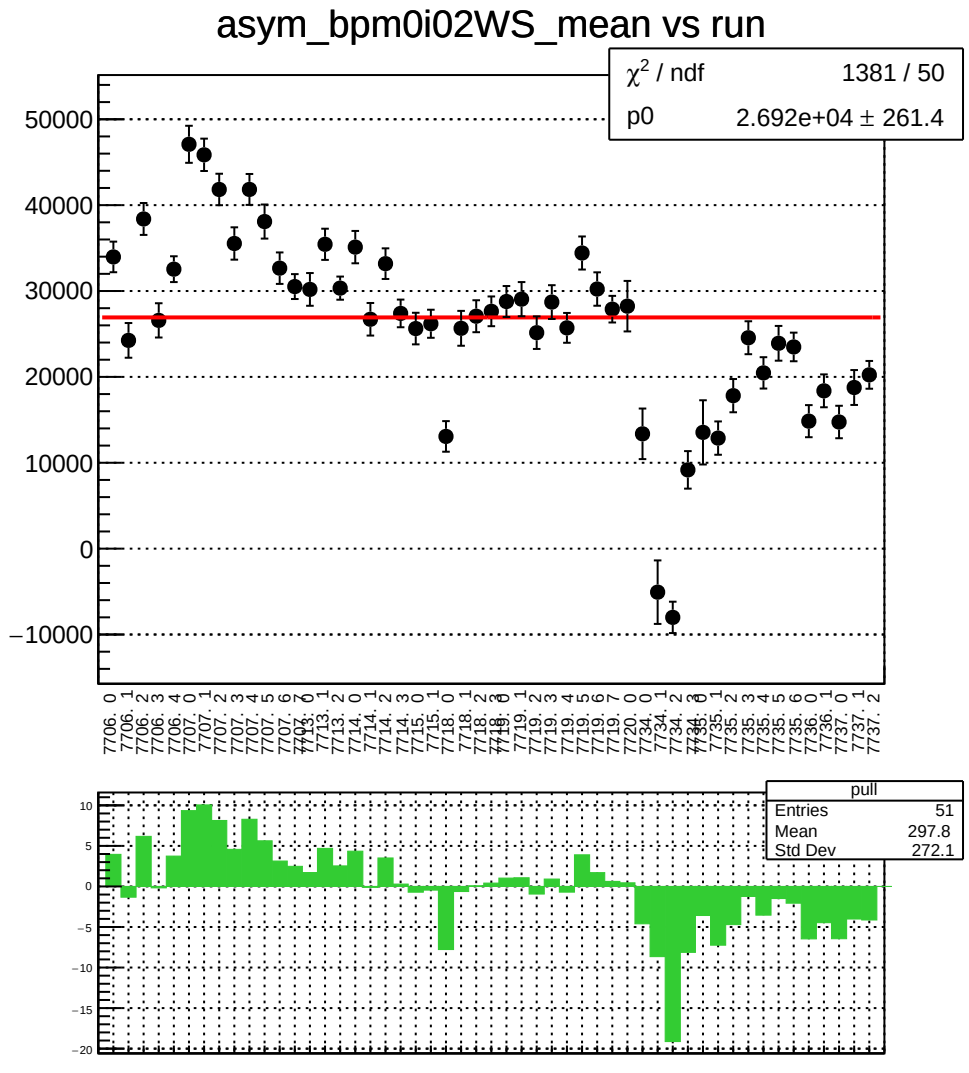

pull1D
Entries 51
Mean −0.02636
Std Dev 0.7805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

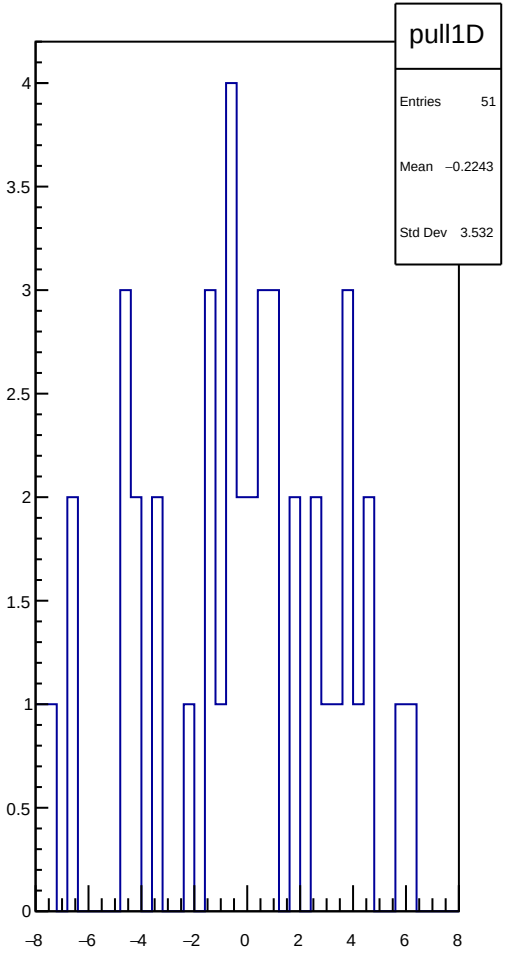

asym_cav4dQ_rms vs run
χ² / ndf 5278 / 50
p0 320.7 ± 0.3273
340
320
300
280
260
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 0
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

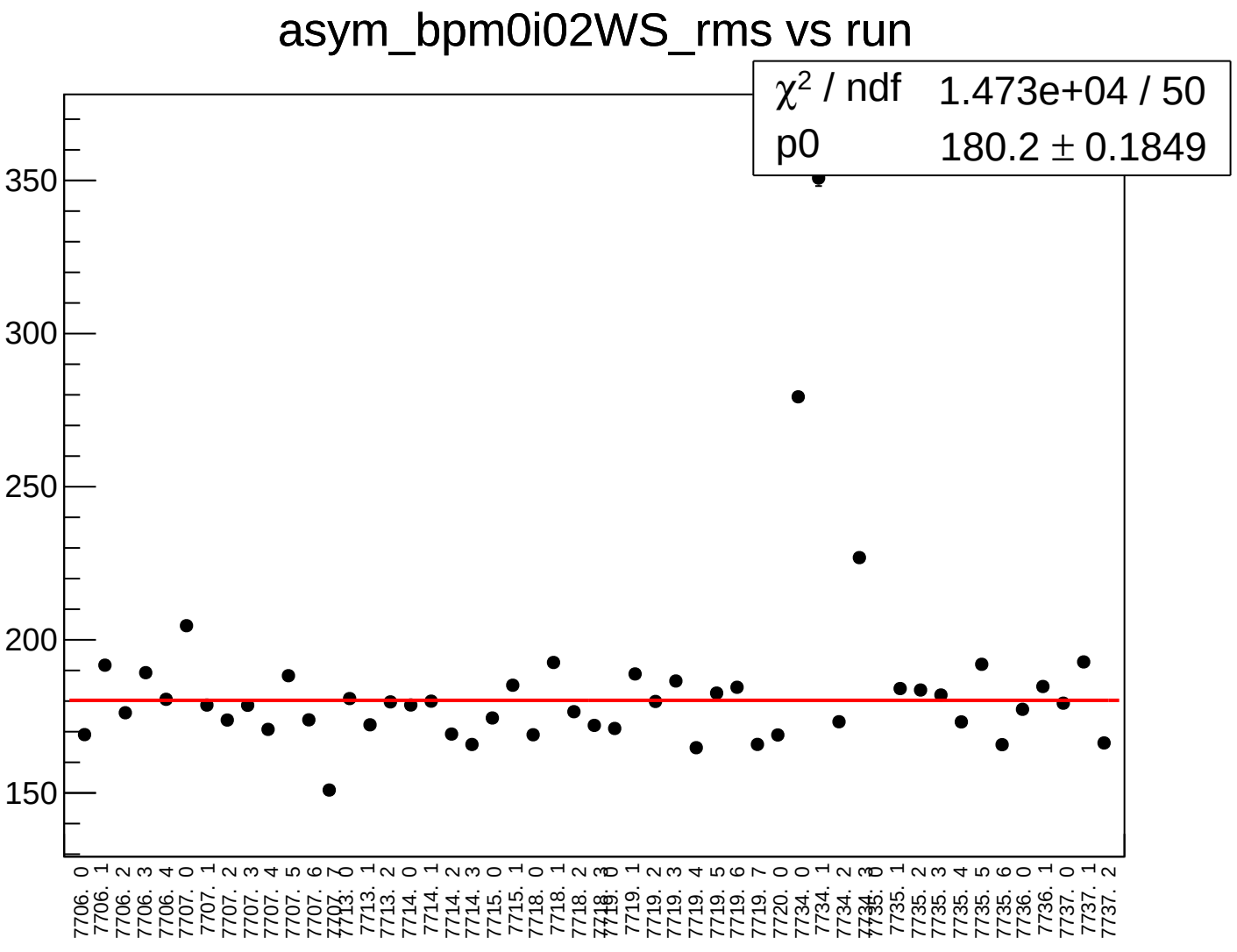

asym_bcm0l02_mean vs run
χ² / ndf 412 / 50
p0 −9082 ± 367.7
pull
Entries 51
Mean 760.8
Std Dev 736.5

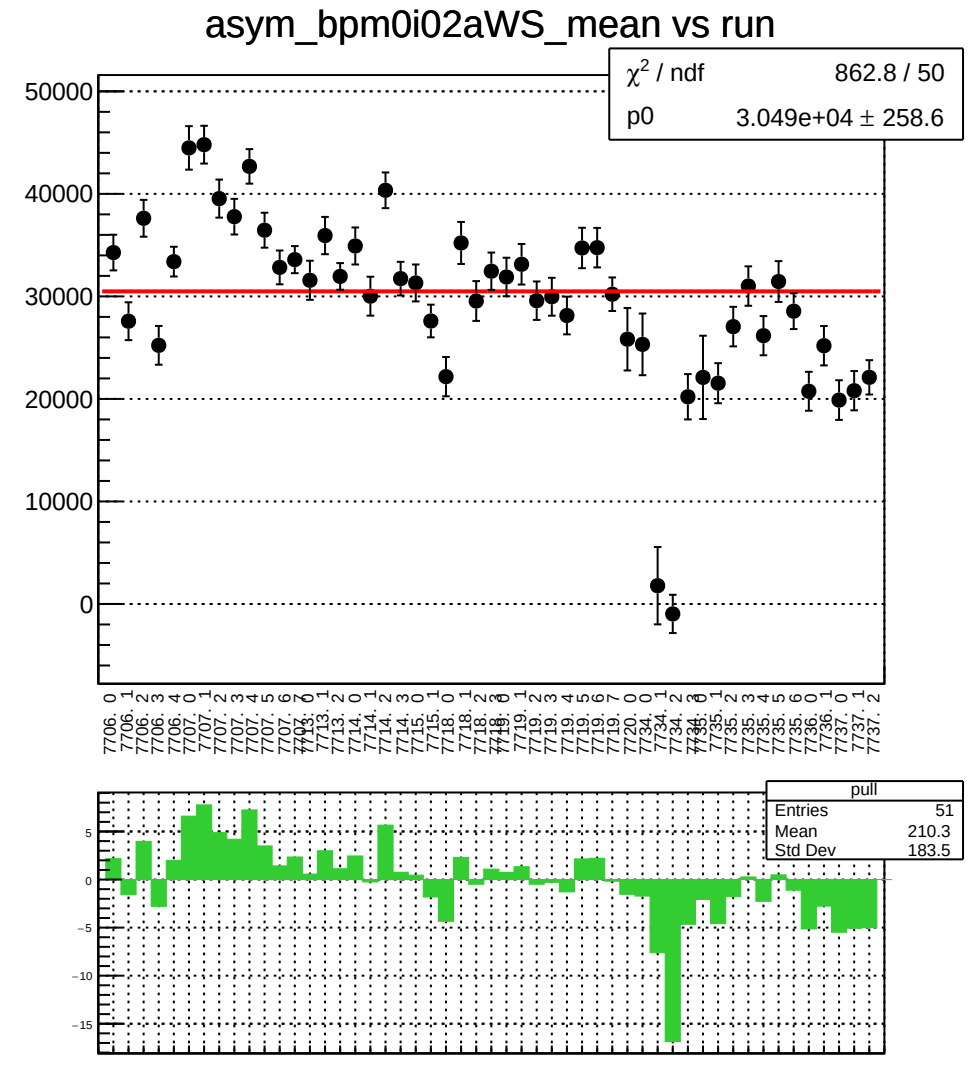

pull1D
Entries 51
Mean −0.04135
Std Dev 2.842

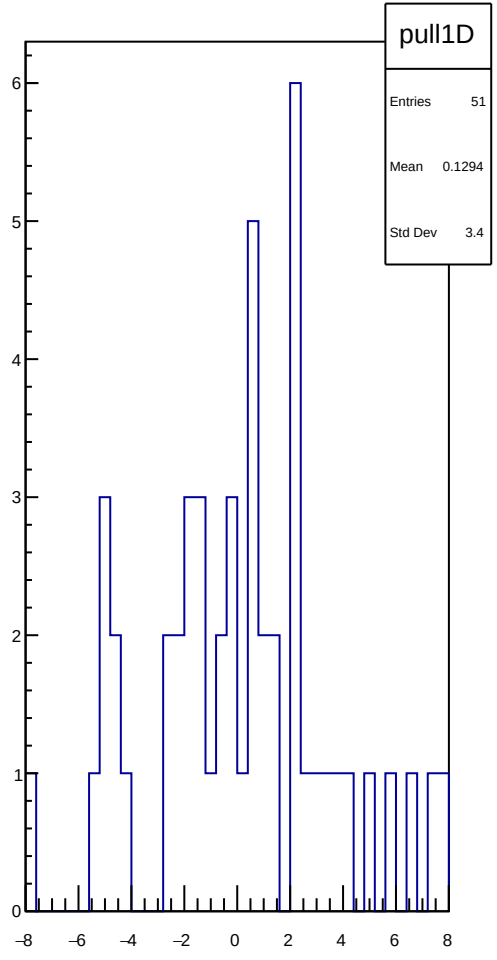

asym_bcm0l02_rms vs run
χ² / ndf 8012 / 50
p0 254.4 ± 0.26
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

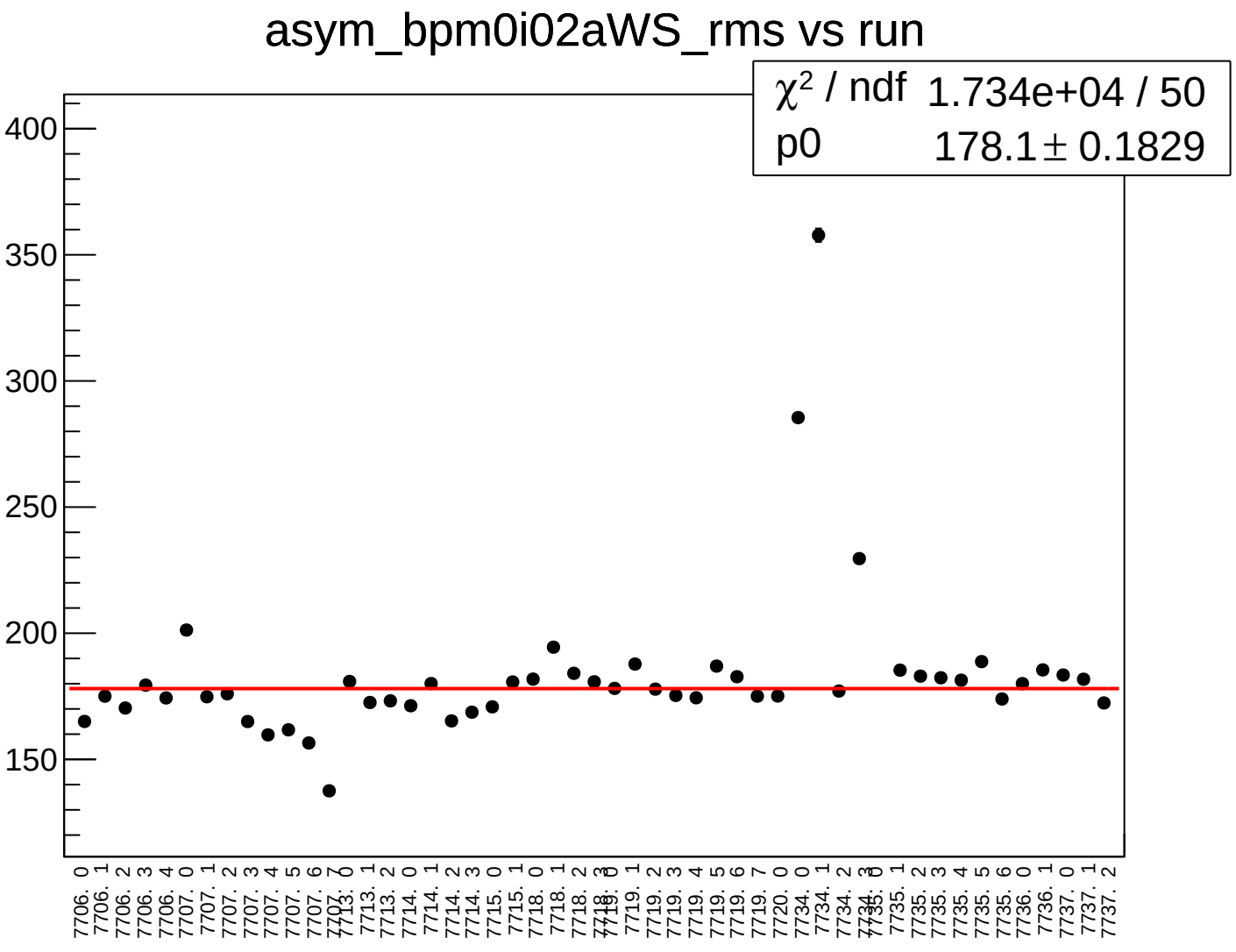

asym_bpm0i02WS_mean vs run
χ² / ndf 1381 / 50
p0 2.692e+04 ± 261.4
pull
Entries 51
Mean 297.8
Std Dev 272.1


pull1D
Entries 51
Mean −0.2243
Std Dev 3.532

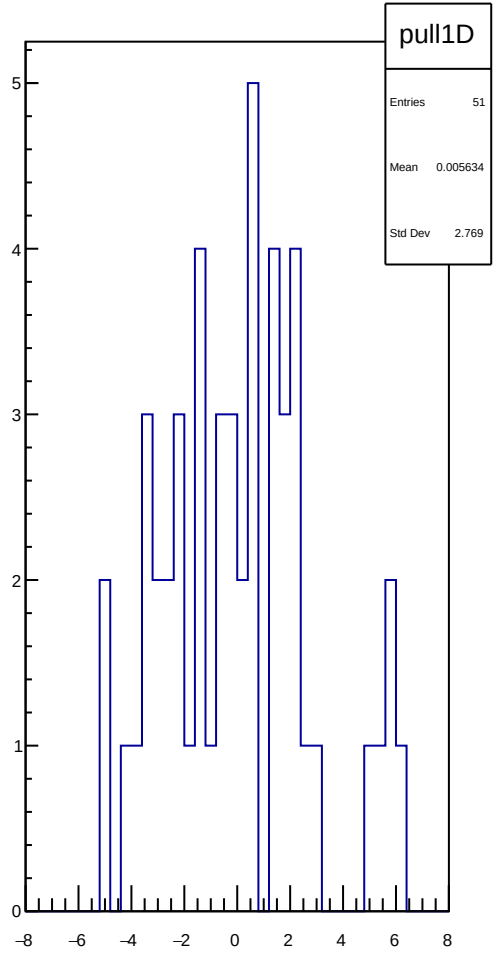

asym_bpm0i02WS_rms vs run
χ² / ndf 1.473e+04 / 50
p0 180.2 ± 0.1849
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

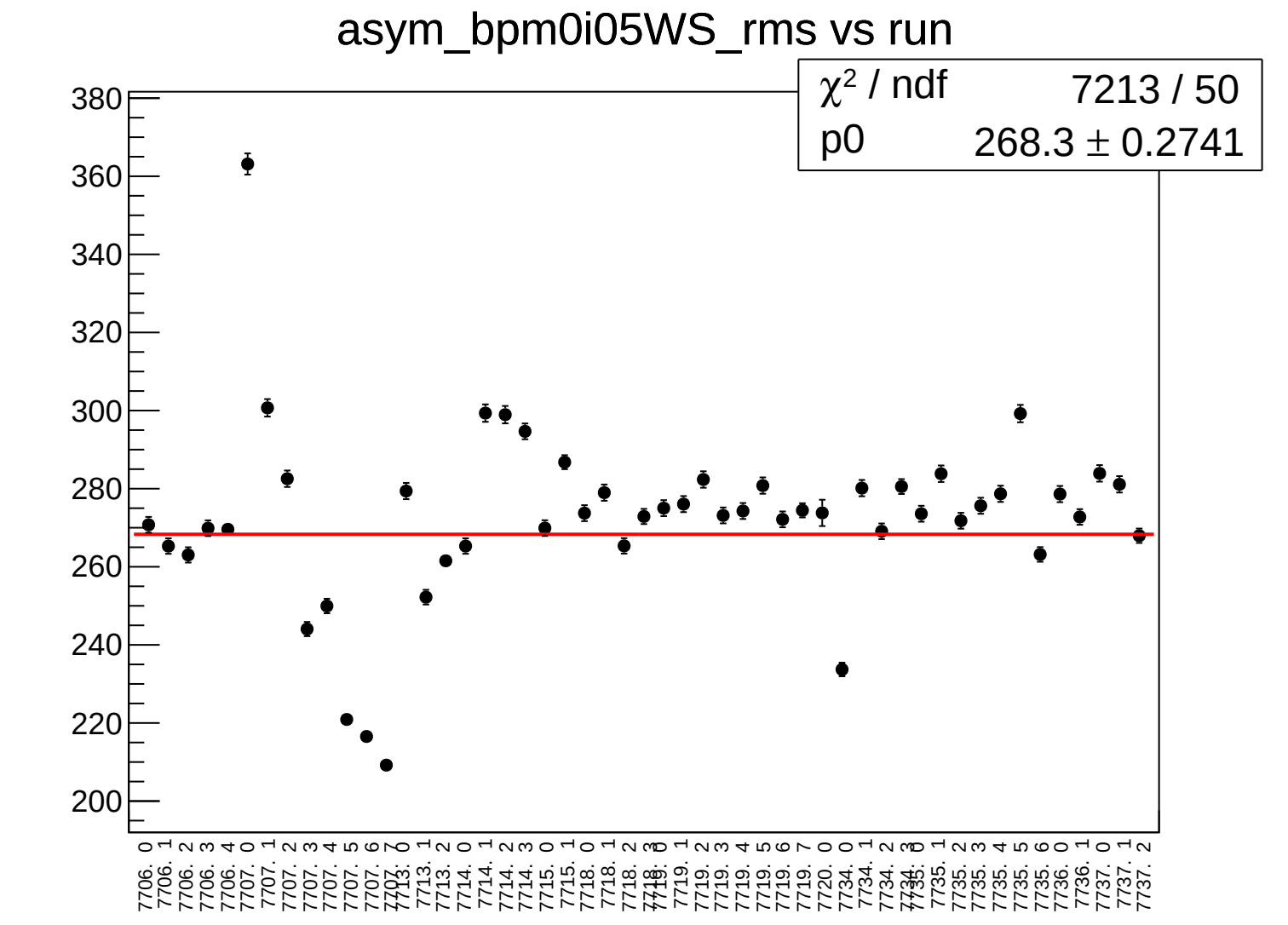

asym_bpm0i02aWS_mean vs run
χ² / ndf 862.8 / 50
p0 3.049e+04 ± 258.6
50000
40000
30000
20000
10000
0
pull
Entries 51
Mean 210.3
Std Dev 183.5
5
0
−5
−10
−15


pull1D
Entries 51
Mean 0.1294
Std Dev 3.4
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

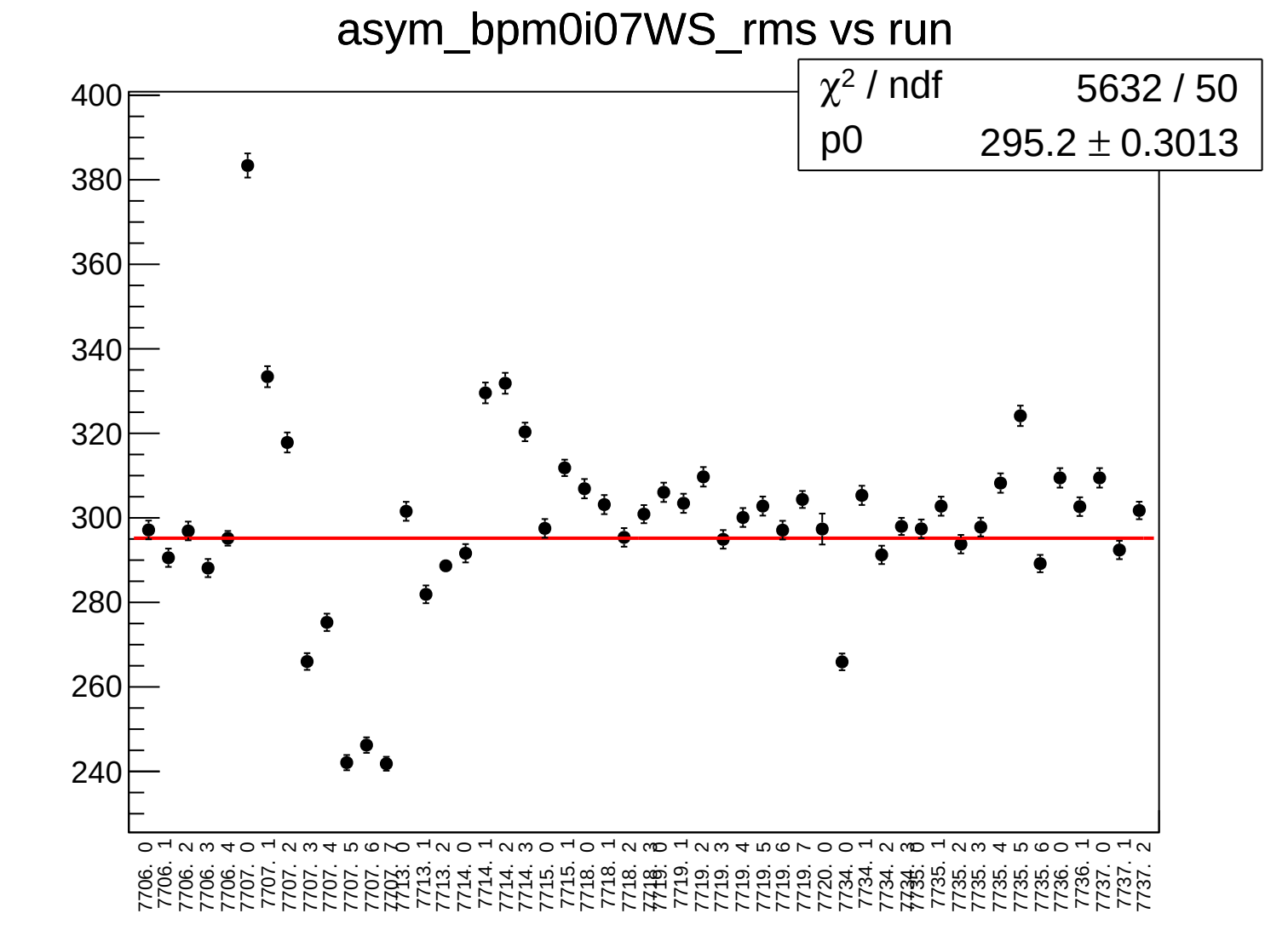

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.734e+04 / 50
p0 178.1 ± 0.1829
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

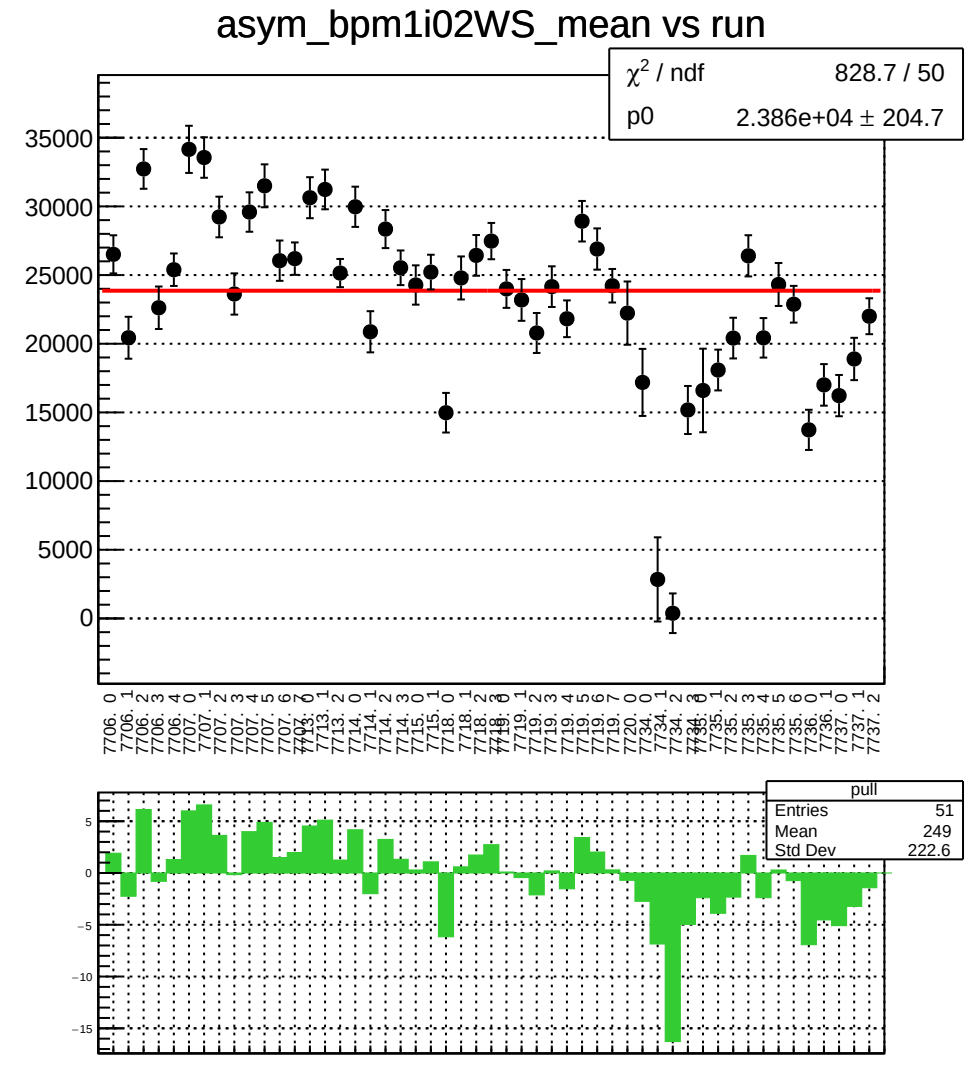
asym_bpm0i05WS_mean vs run
χ² / ndf 391.2 / 50
p0 −1.138e+04 ± 387.6
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −5346
Std Dev 5370
6
4
2
0
−2
−4

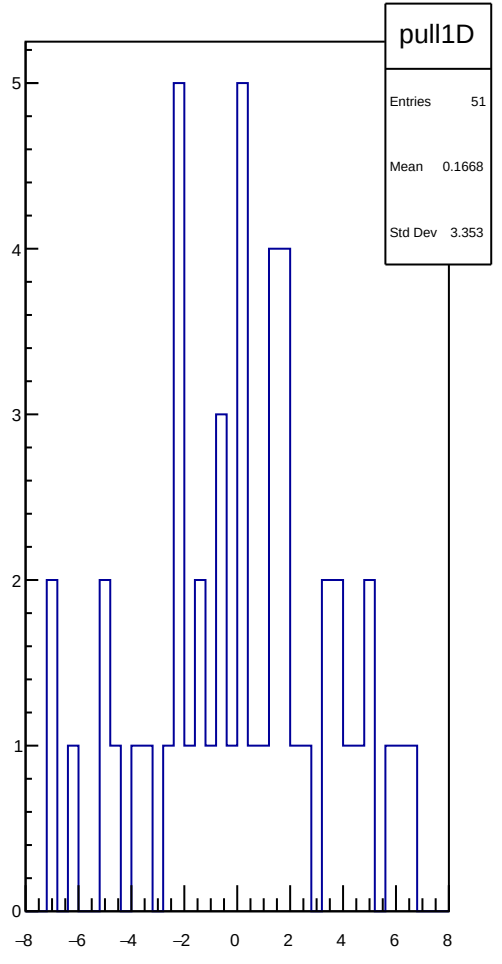

pull1D
Entries 51
Mean 0.005634
Std Dev 2.769
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

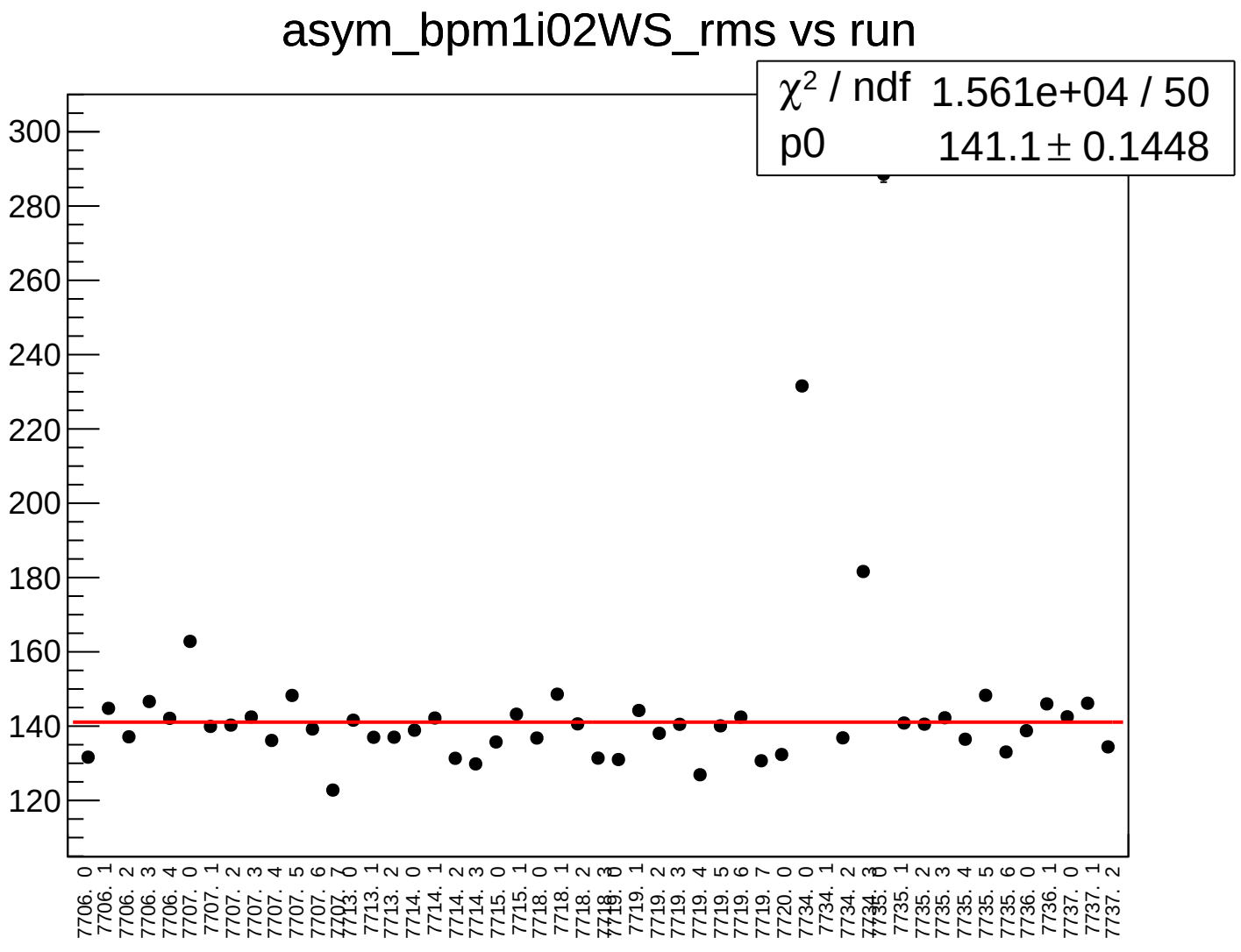

asym_bpm0i05WS_rms vs run
χ² / ndf 7213 / 50
p0 268.3 ± 0.2741
380
360
340
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

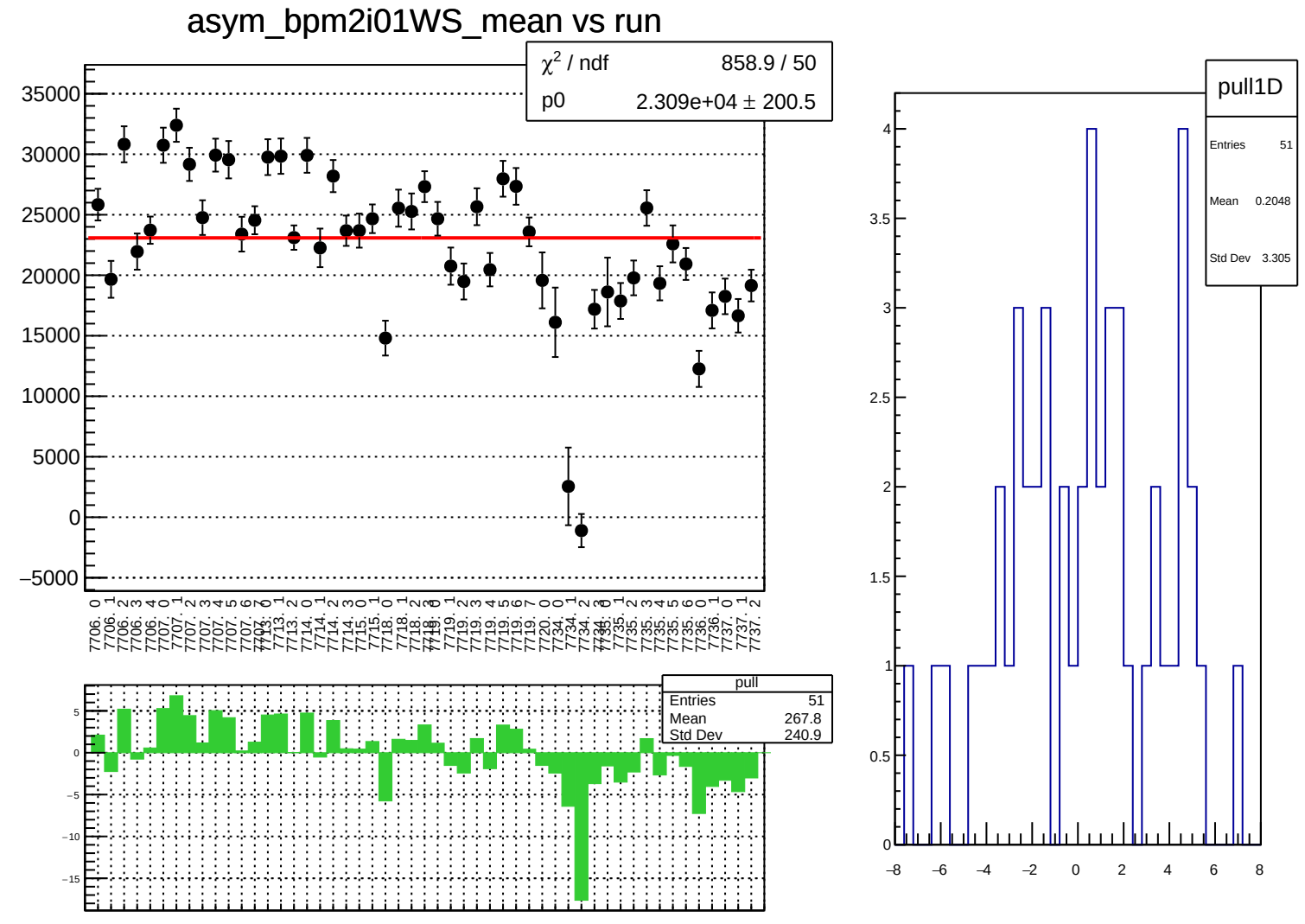
asym_bpm0i07WS_mean vs run
χ² / ndf 265.9 / 50
p0 −9574 ± 426.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −1147
Std Dev 1171
4
2
0
−2
−4
pull1D
Entries 51
Mean 0.02112
Std Dev 2.283
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

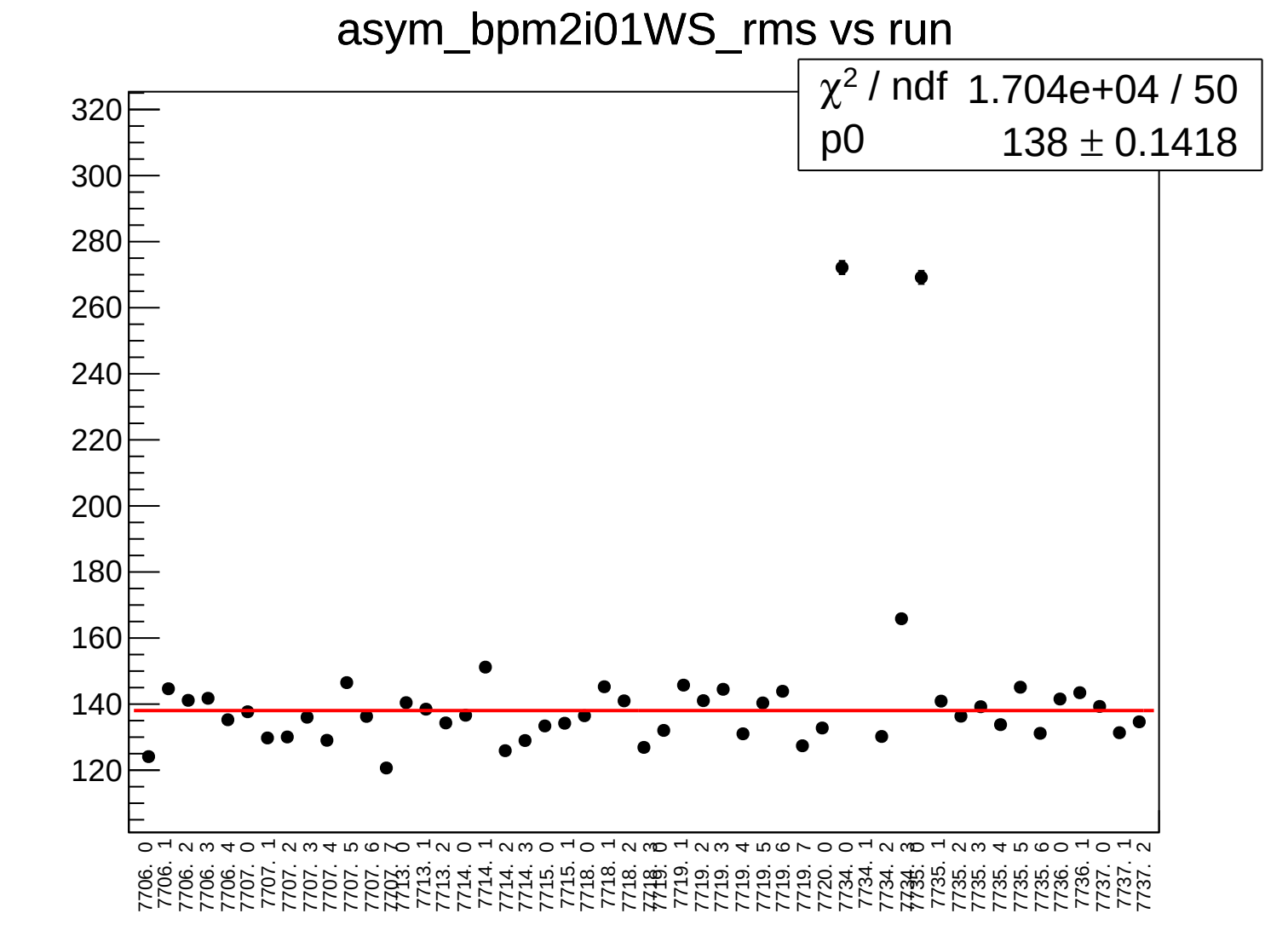

asym_bpm0i07WS_rms vs run
χ² / ndf 5632 / 50
p0 295.2 ± 0.3013
400
380
360
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

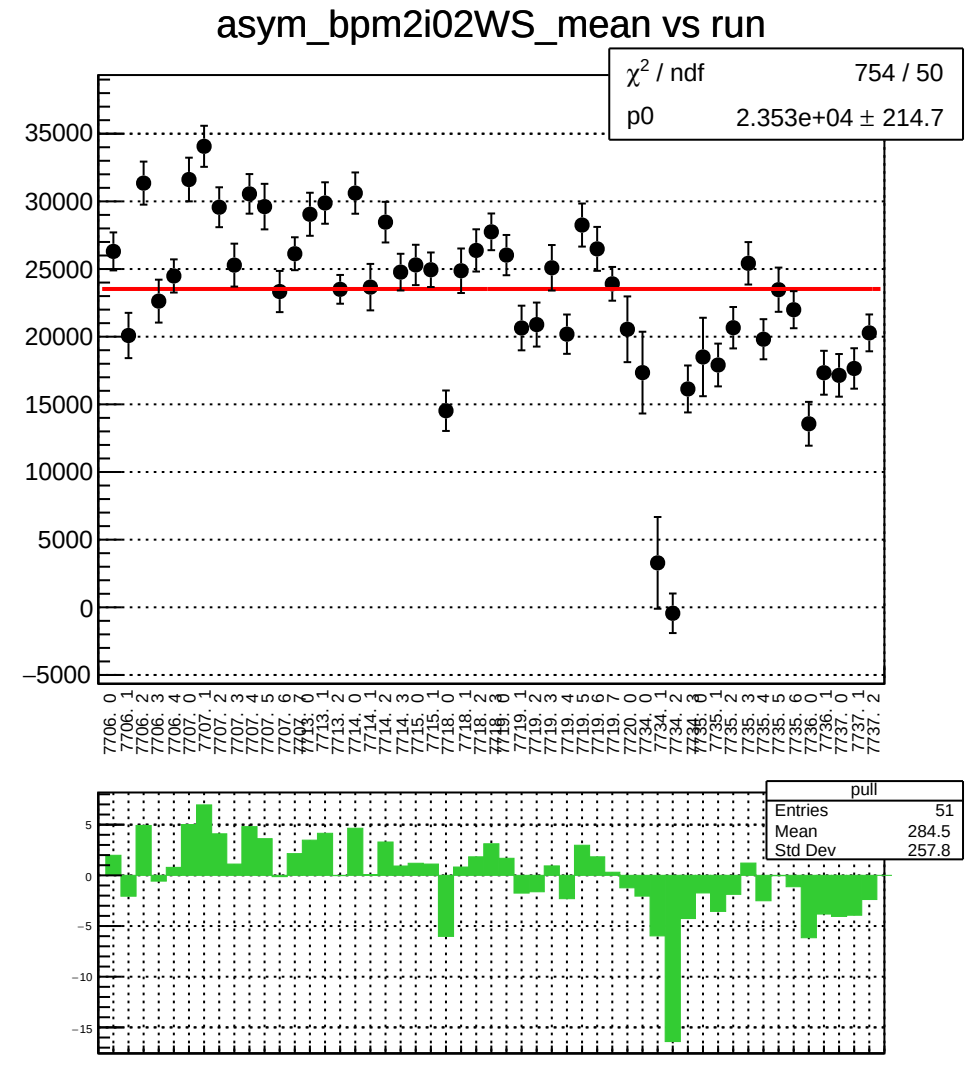

asym_bpm1i02WS_mean vs run
χ² / ndf 828.7 / 50
p0 2.386e+04 ± 204.7
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean 249
Std Dev 222.6
5
0
−5
−10
−15

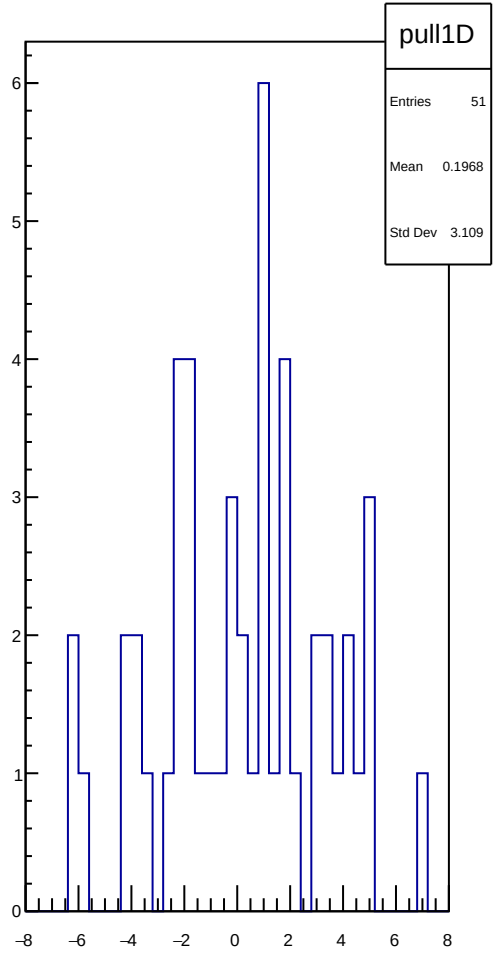

pull1D
Entries 51
Mean 0.1668
Std Dev 3.353
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

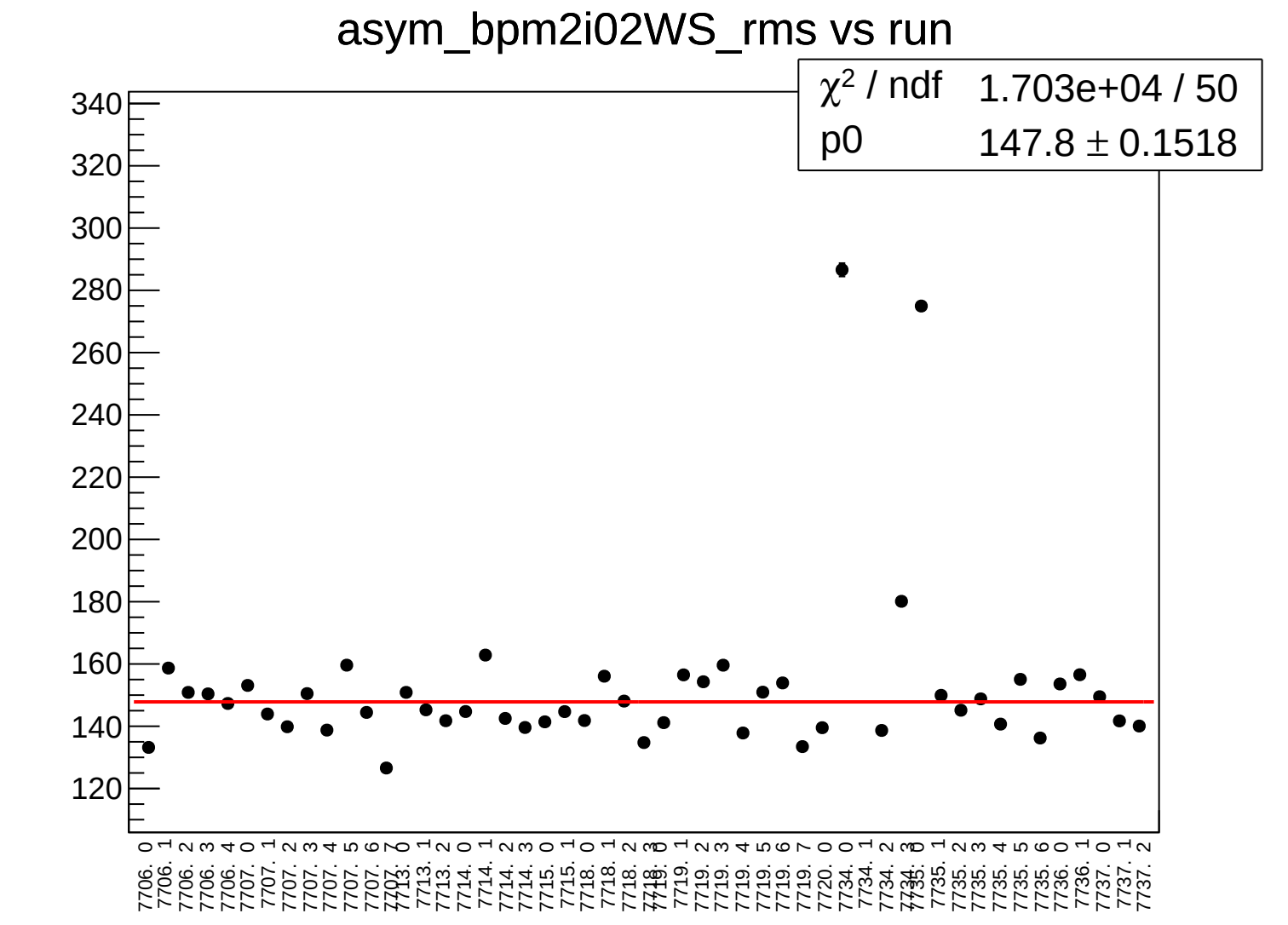

asym_bpm1i02WS_rms vs run
χ² / ndf 1.561e+04 / 50
p0 141.1 ± 0.1448
300
280
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

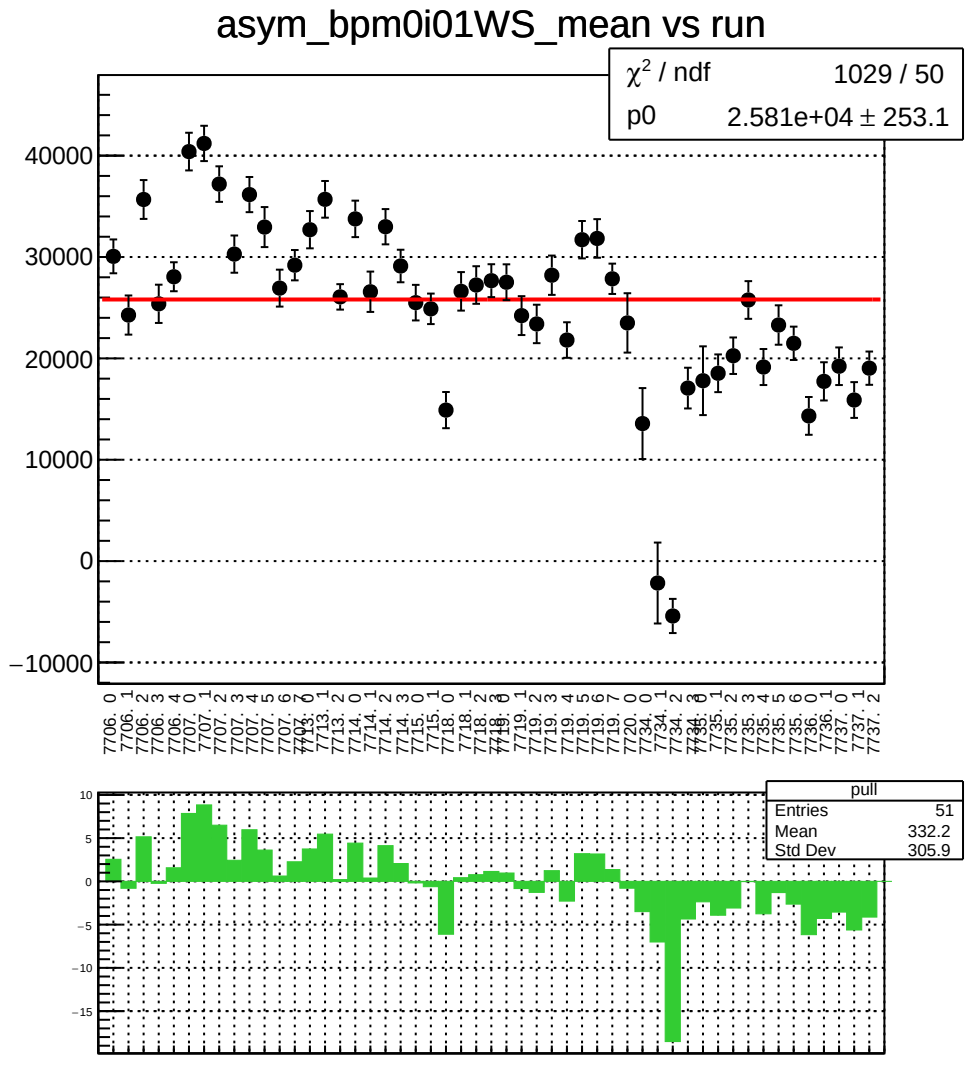

asym_bpm2i01WS_mean vs run
χ² / ndf 858.9 / 50
p0 2.309e+04 ± 200.5
35000
30000
25000
20000
15000
10000
5000
0
−5000
pull
Entries 51
Mean 267.8
Std Dev 240.9
pull1D
Entries 51
Mean 0.2048
Std Dev 3.305

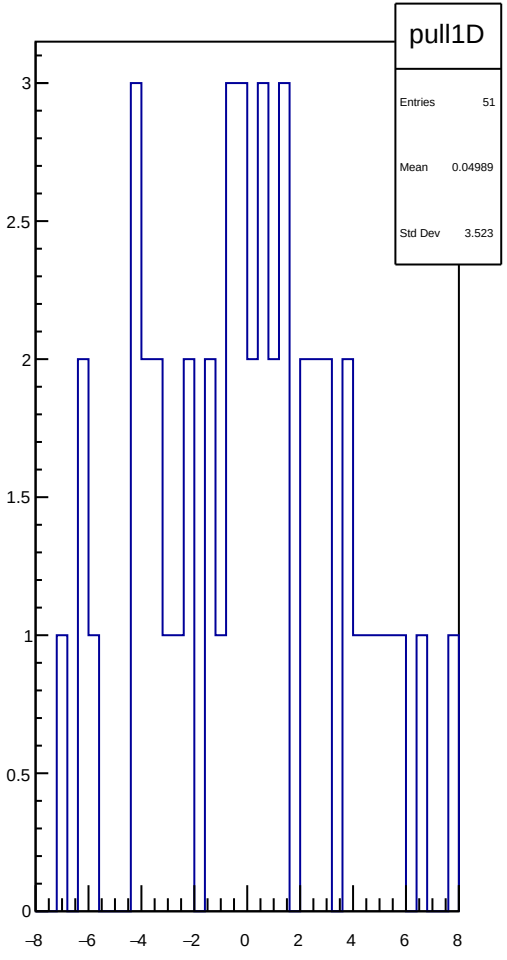

asym_bpm2i01WS_rms vs run
χ² / ndf 1.704e+04 / 50
p0 138 ± 0.1418
320
300
280
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

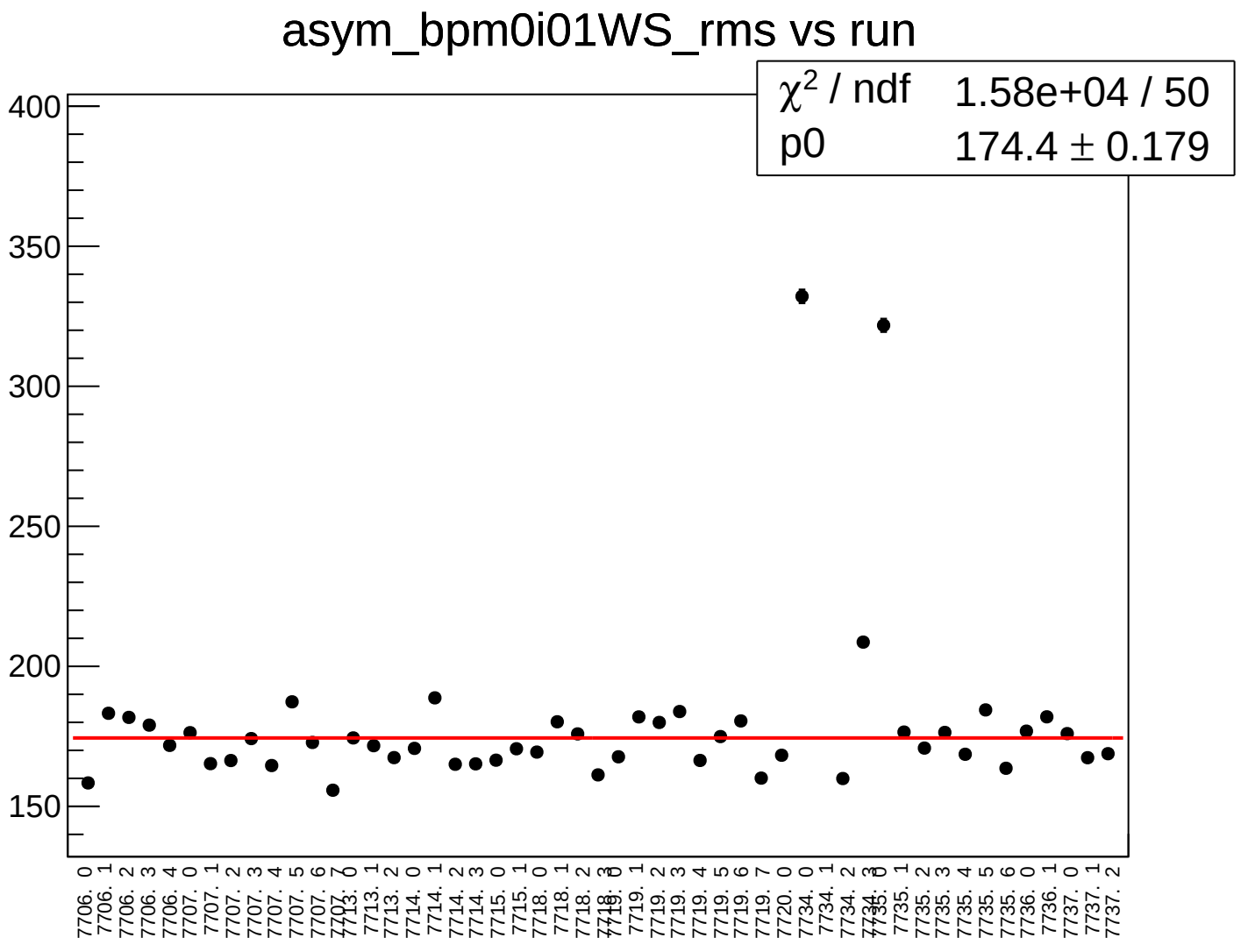

asym_bpm2i02WS_mean vs run
χ² / ndf 754 / 50
p0 2.353e+04 ± 214.7
pull
Entries 51
Mean 284.5
Std Dev 257.8

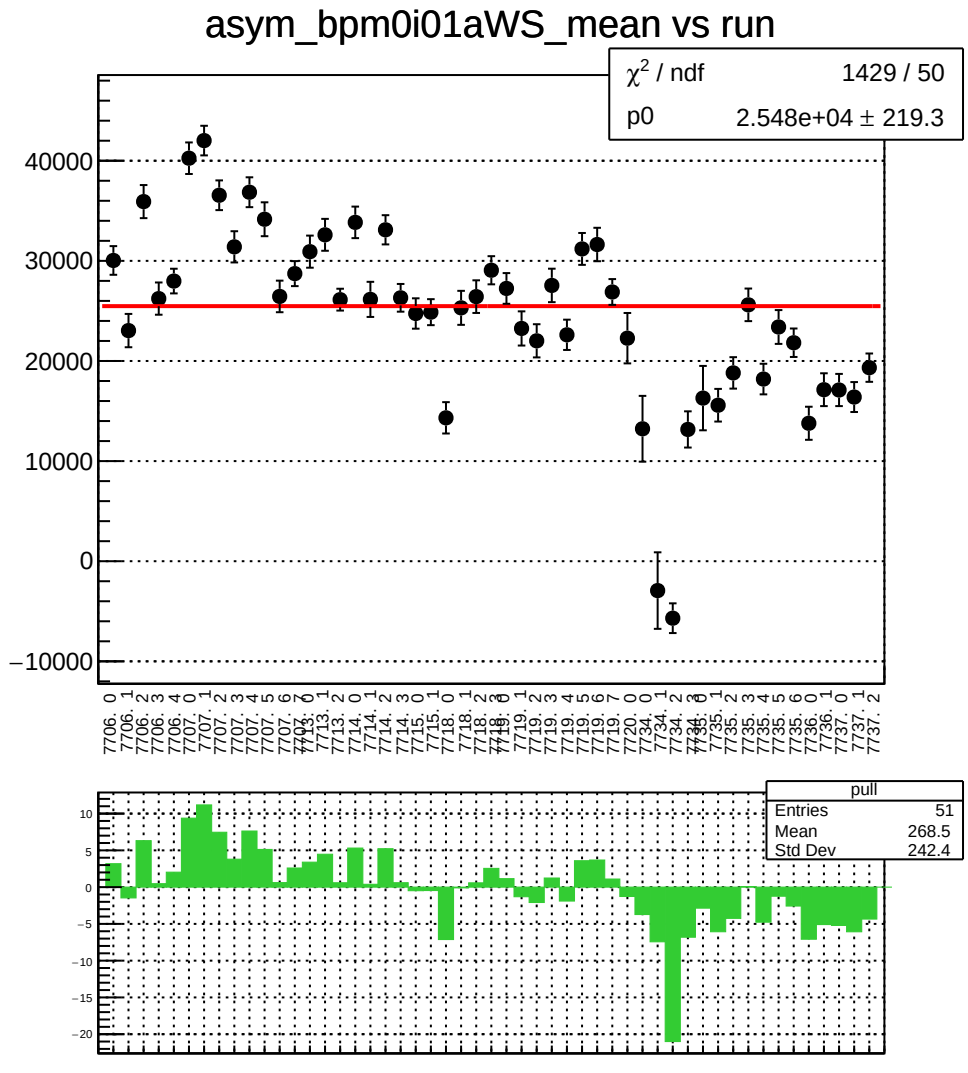

pull1D
Entries 51
Mean 0.1968
Std Dev 3.109

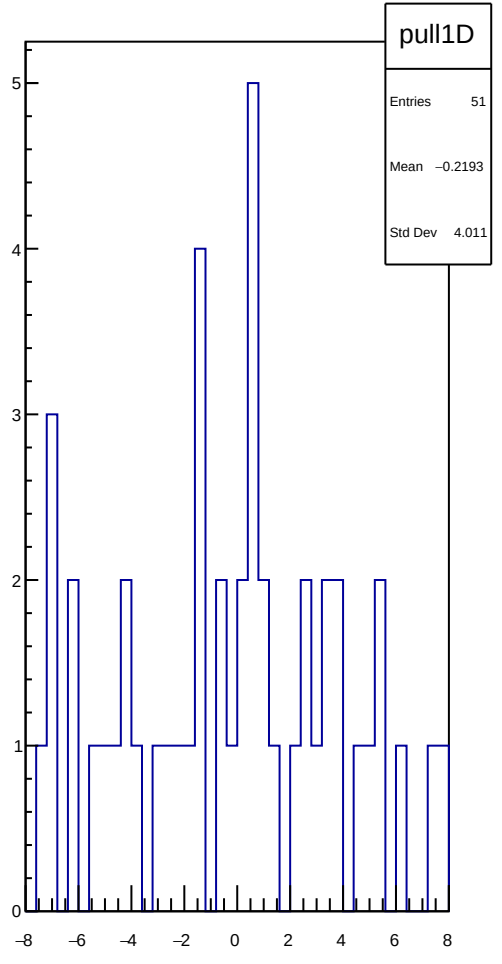

asym_bpm2i02WS_rms vs run
χ² / ndf 1.703e+04 / 50
p0 147.8 ± 0.1518
340
320
300
280
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

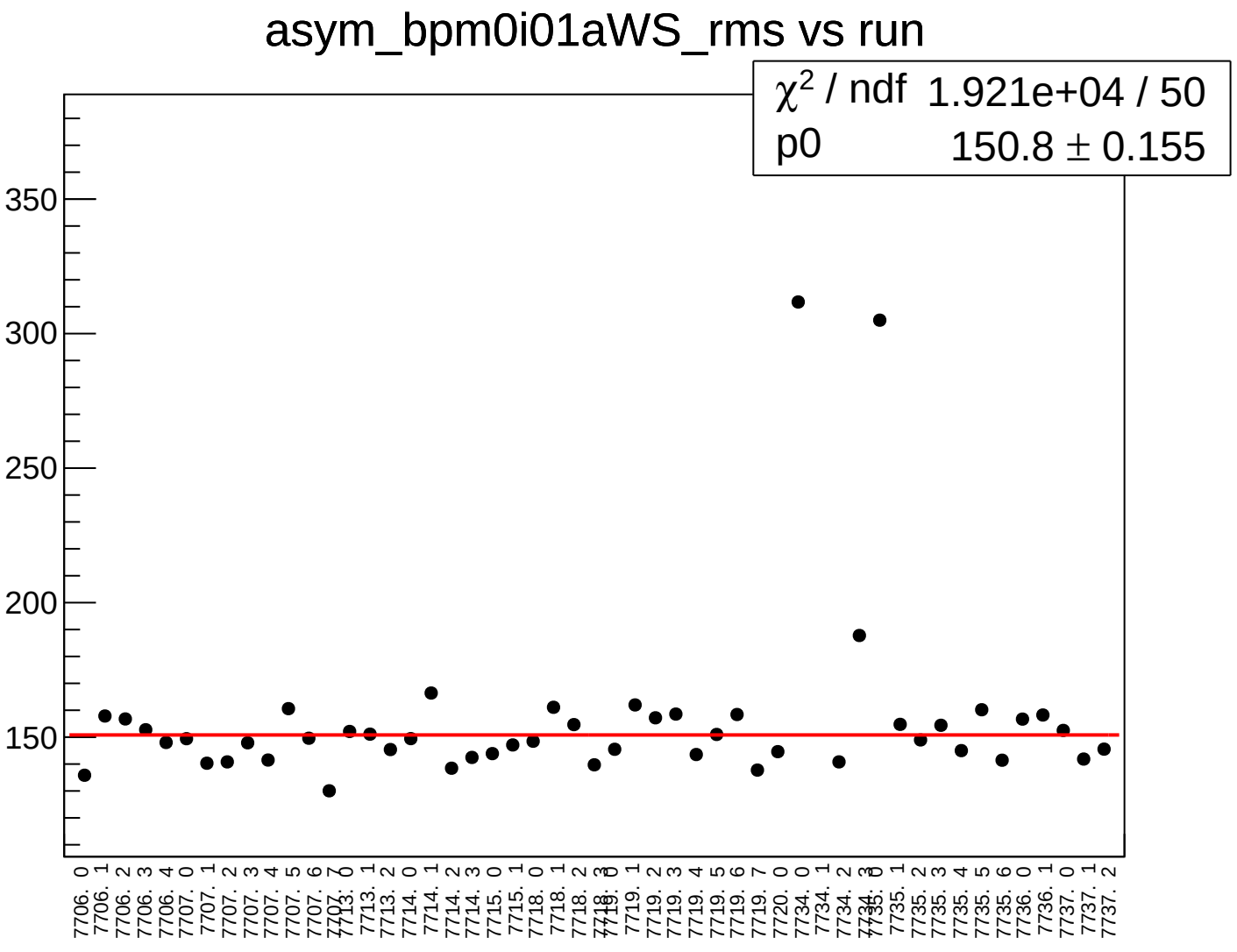

asym_bpm0i01WS_mean vs run
χ² / ndf 1029 / 50
p0 2.581e+04 ± 253.1
40000
30000
20000
10000
0
−10000
pull
Entries 51
Mean 332.2
Std Dev 305.9
10
5
0
−5
−10
−15

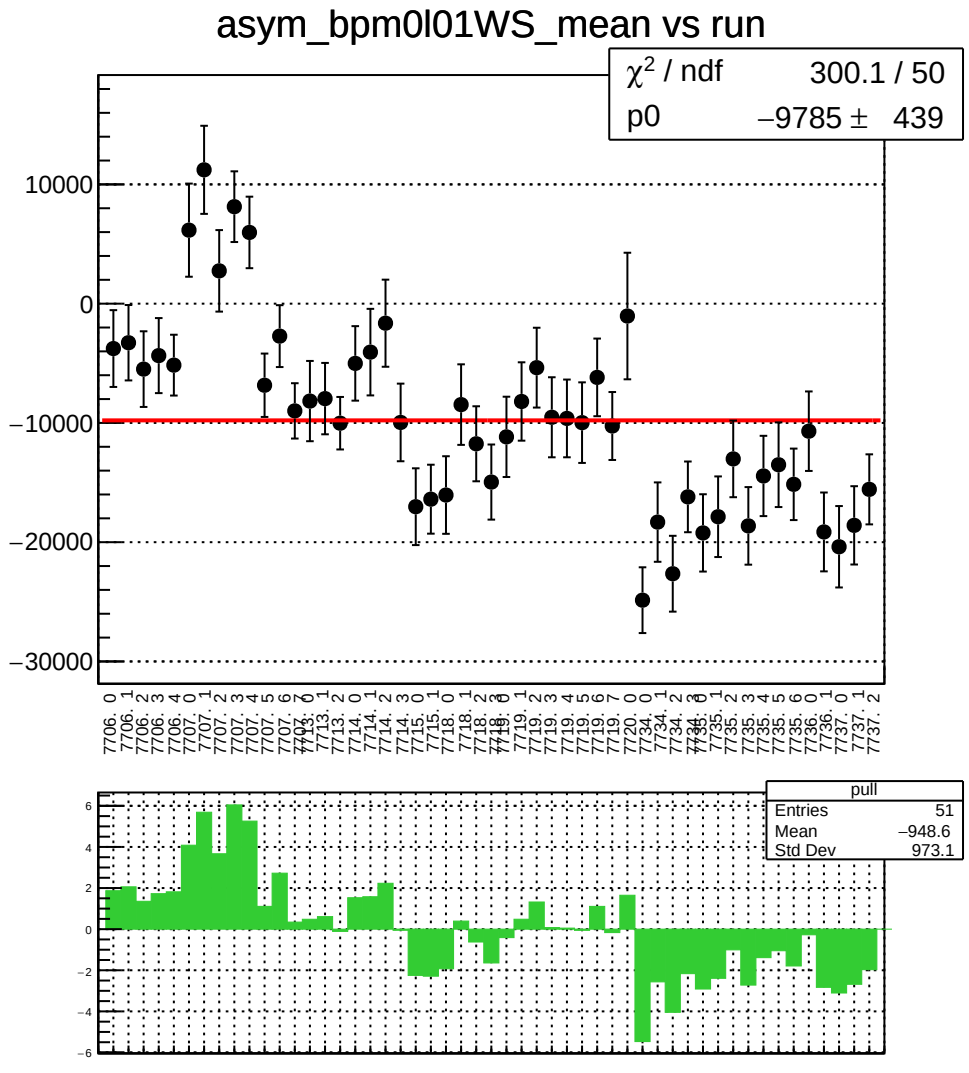

pull1D
Entries 51
Mean 0.04989
Std Dev 3.523
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

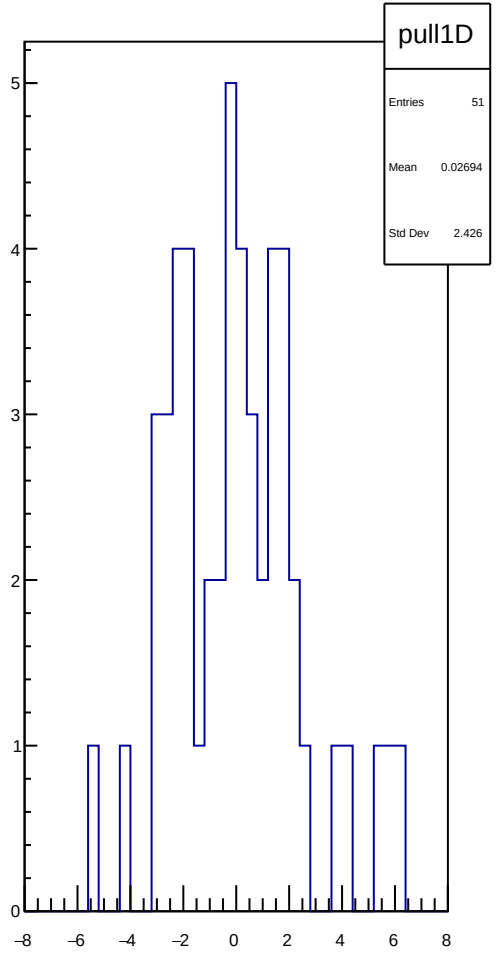

asym_bpm0i01WS_rms vs run
χ² / ndf 1.58e+04 / 50
p0 174.4 ± 0.179
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

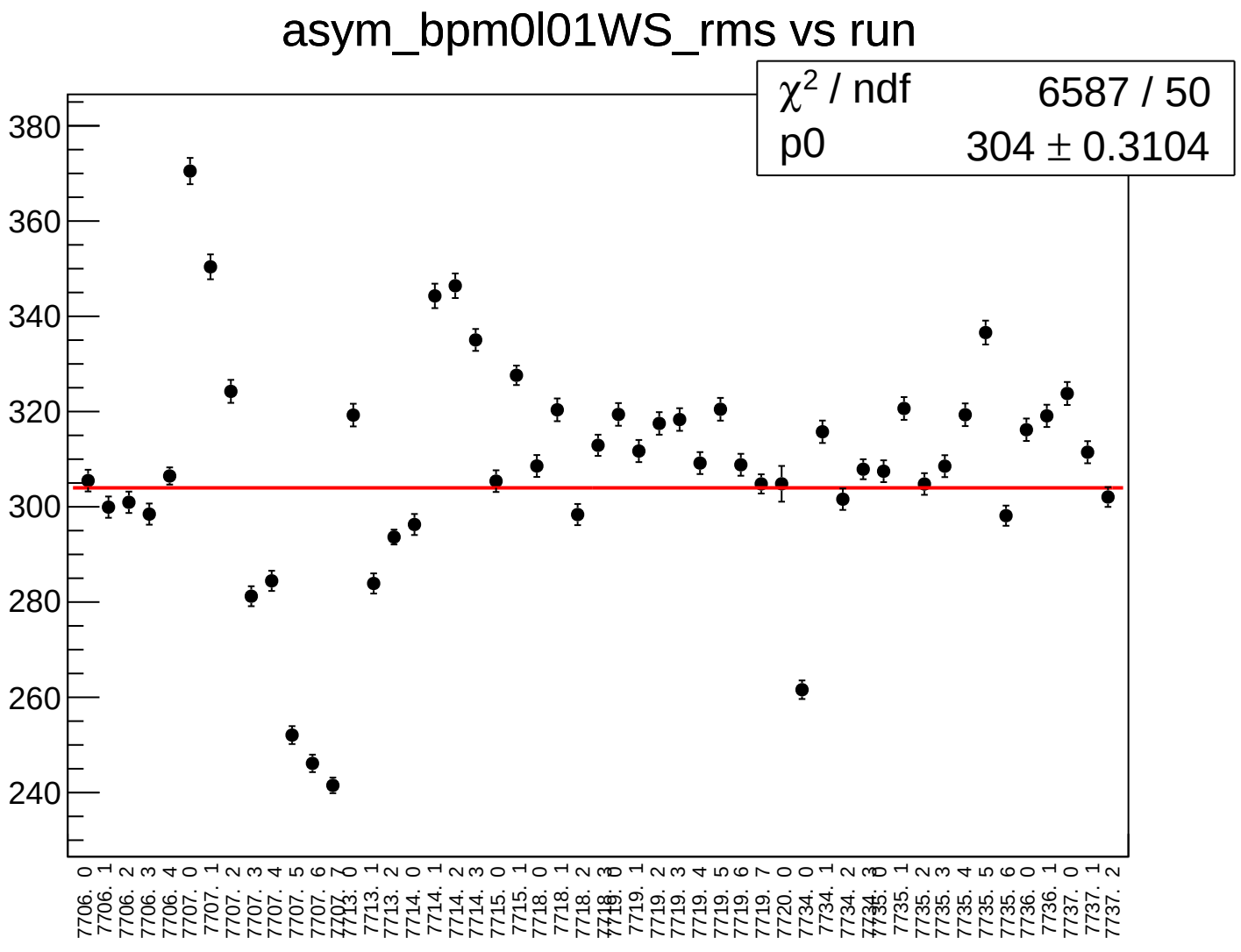

asym_bpm0i01aWS_mean vs run
χ² / ndf 1429 / 50
p0 2.548e+04 ± 219.3
40000
30000
20000
10000
0
−10000
pull
Entries 51
Mean 268.5
Std Dev 242.4
10
5
0
−5
−10
−15
−20

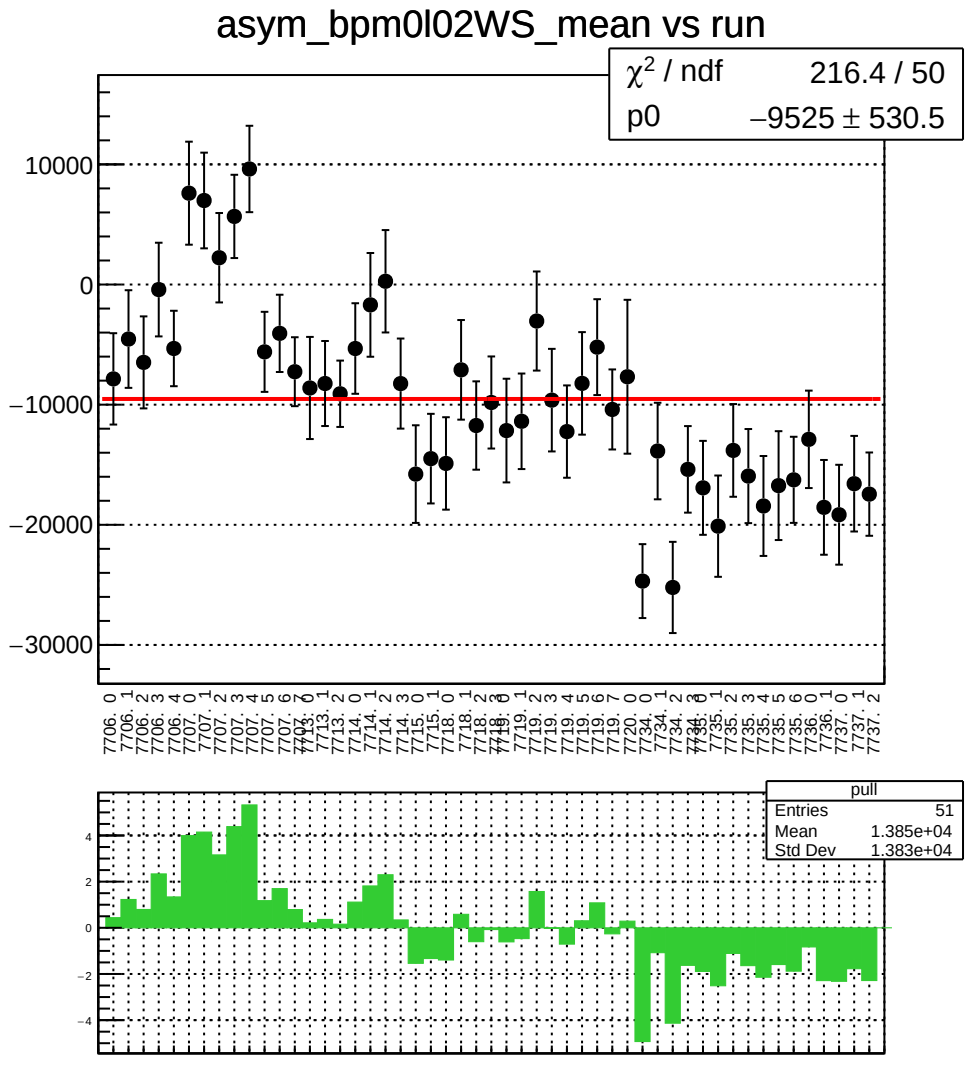

pull1D
Entries 51
Mean −0.2193
Std Dev 4.011
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

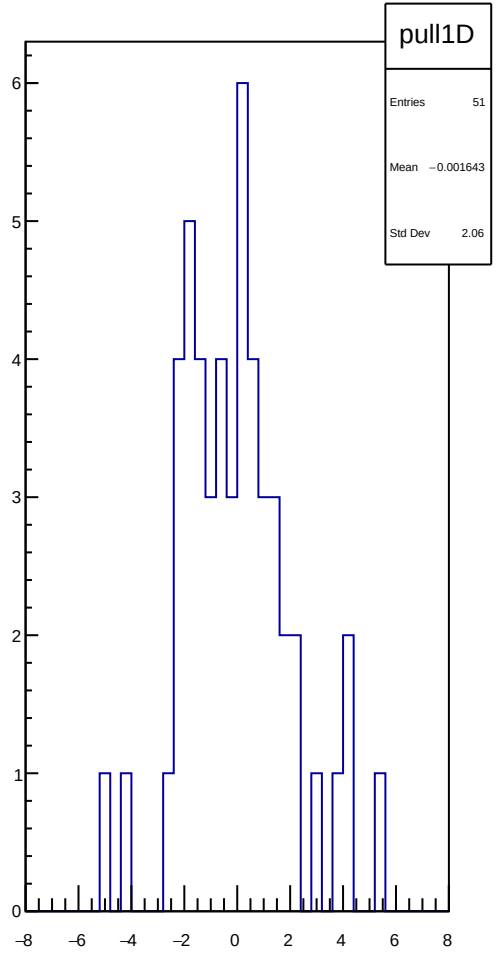

asym_bpm0i01aWS_rms vs run
χ² / ndf 1.921e+04 / 50
p0 150.8 ± 0.155
350
300
250
200
150
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

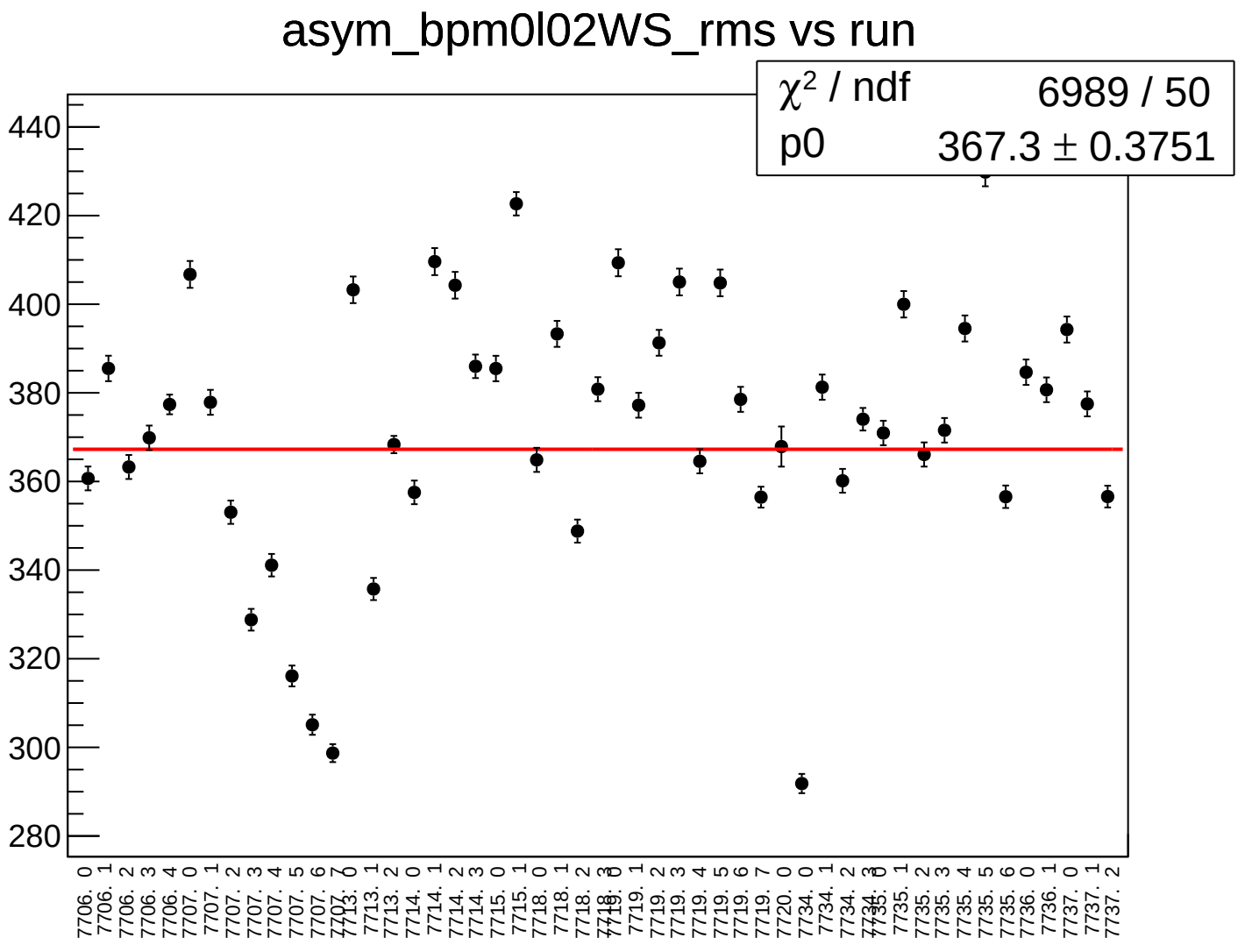

asym_bpm0l01WS_mean vs run
χ² / ndf 300.1 / 50
p0 −9785 ± 439
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −948.6
Std Dev 973.1
6
4
2
0
−2
−4
−6

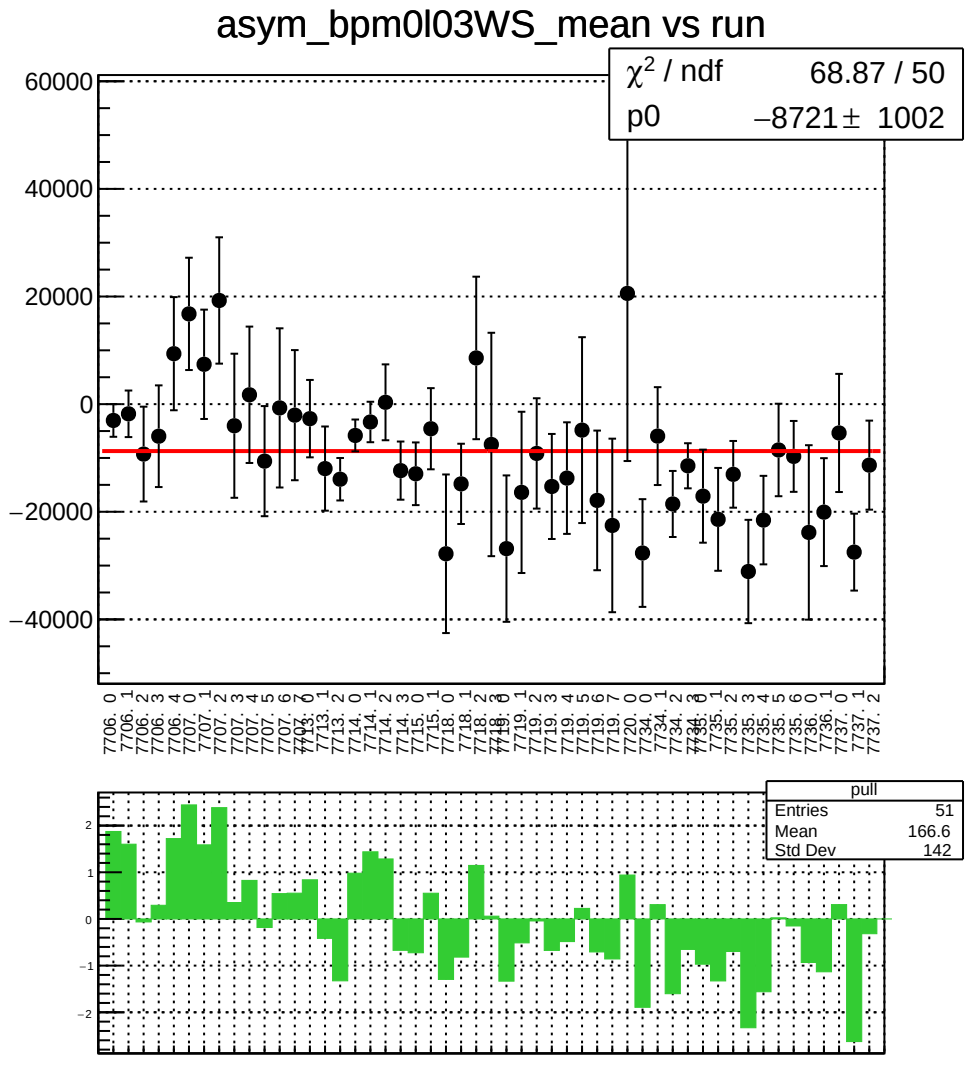

pull1D
Entries 51
Mean 0.02694
Std Dev 2.426
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

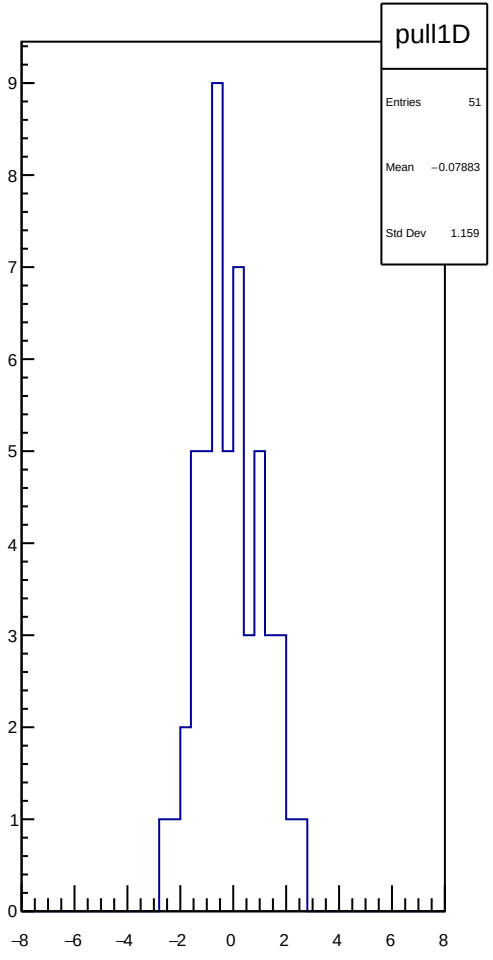

asym_bpm0l01WS_rms vs run
χ² / ndf 6587 / 50
p0 304 ± 0.3104
380
360
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

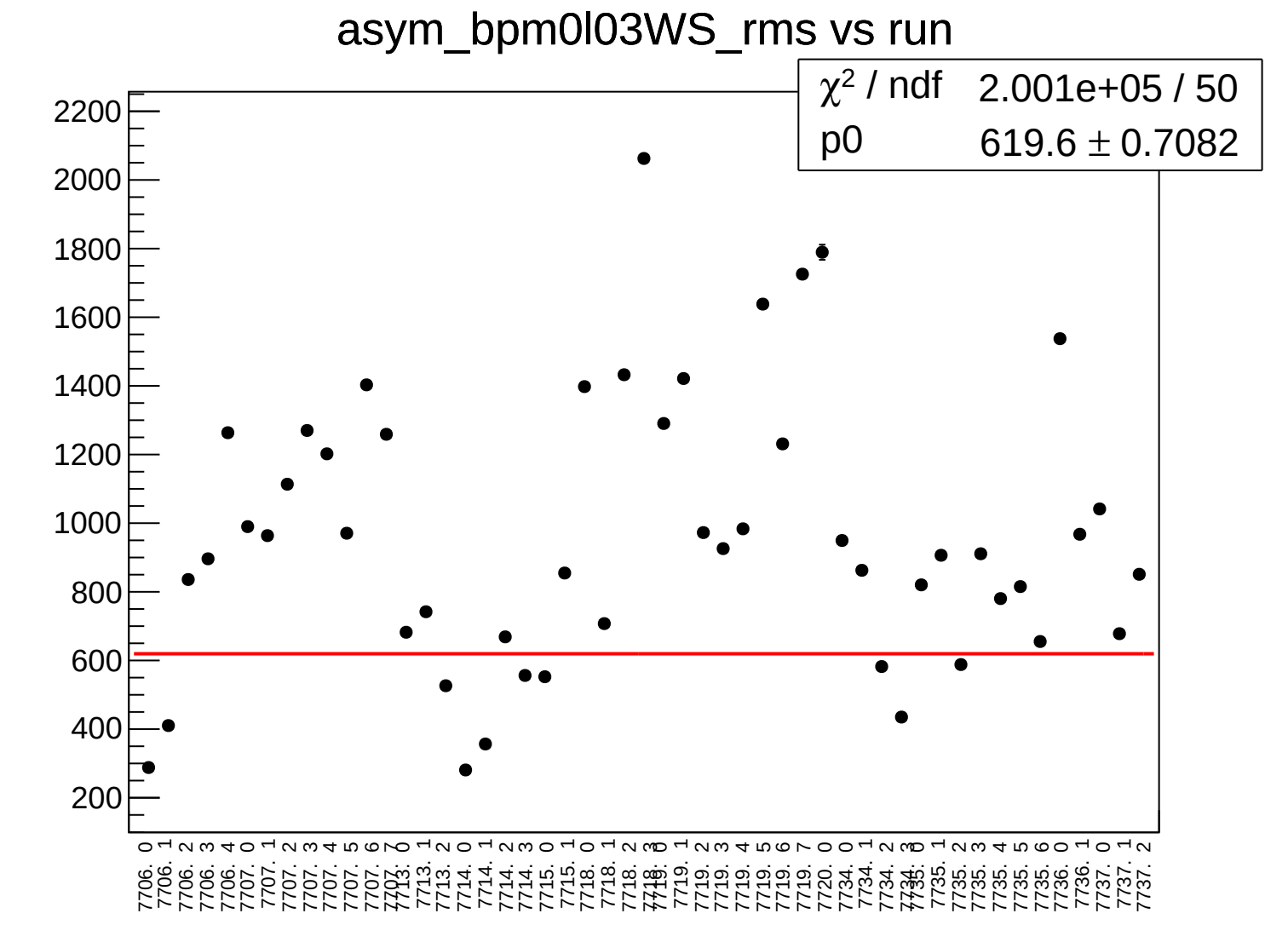

asym_bpm0l02WS_mean vs run
χ² / ndf 216.4 / 50
p0 −9525 ± 530.5
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean 1.385e+04
Std Dev 1.383e+04

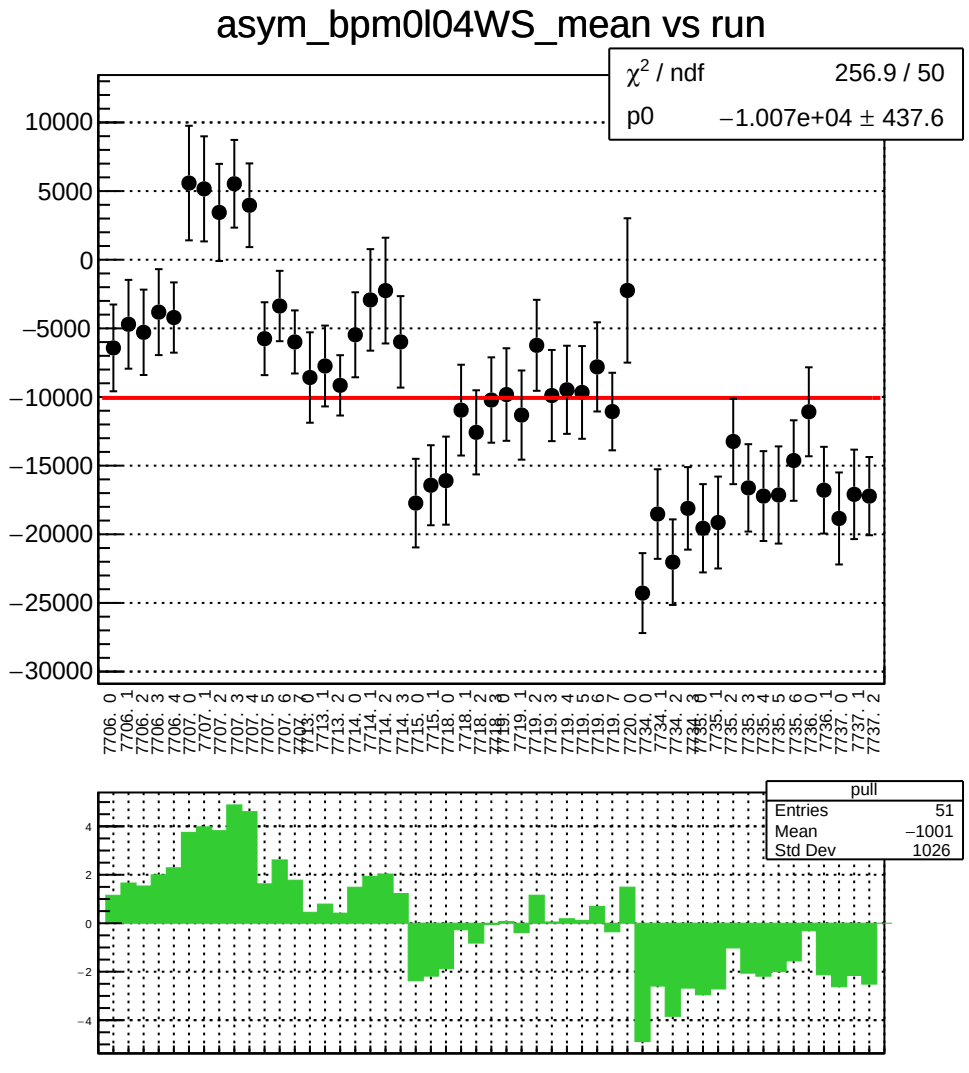

pull1D
Entries 51
Mean −0.001643
Std Dev 2.06

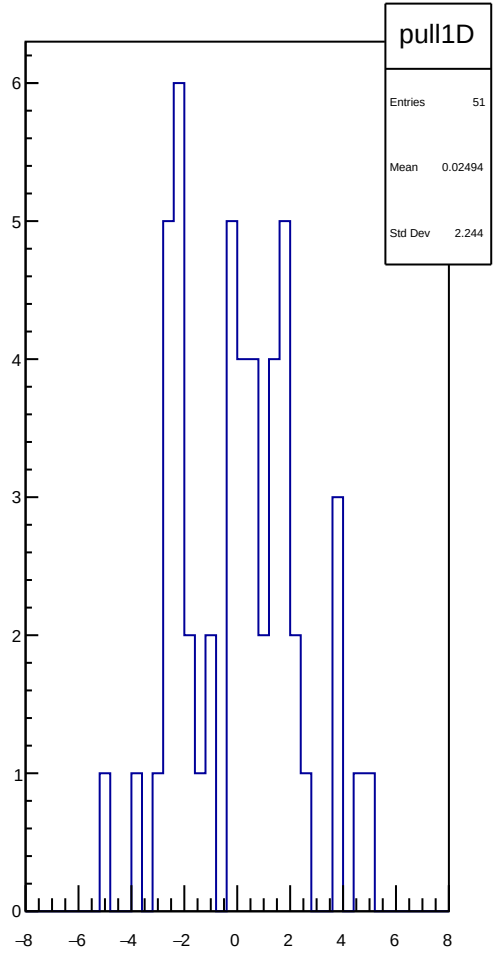

asym_bpm0l02WS_rms vs run
χ² / ndf 6989 / 50
p0 367.3 ± 0.3751
440
420
400
380
360
340
320
300
280
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

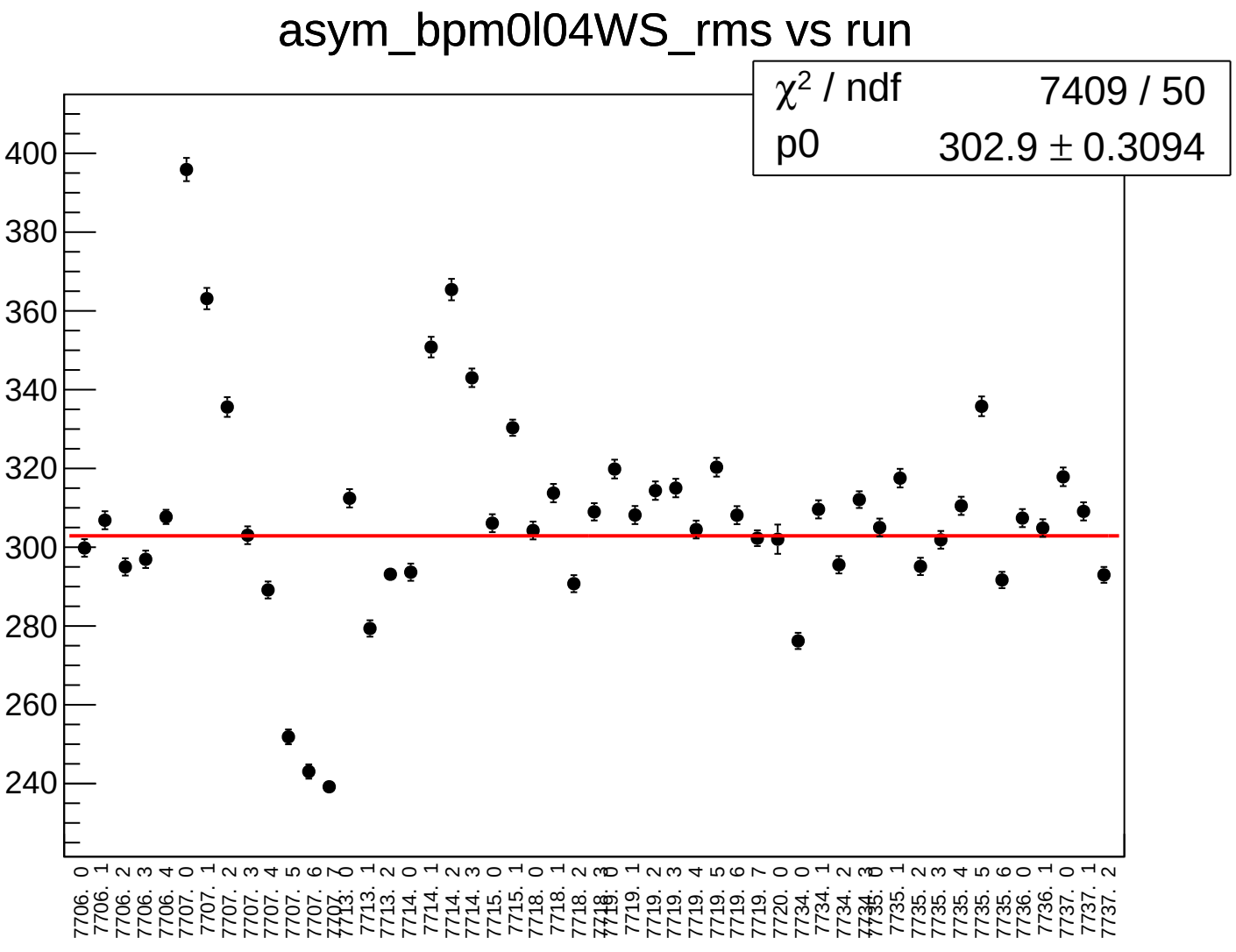

asym_bpm0l03WS_mean vs run
χ² / ndf 68.87 / 50
p0 −8721 ± 1002
60000
40000
20000
0
−20000
−40000
pull
Entries 51
Mean 166.6
Std Dev 142
2
1
0
−1
−2

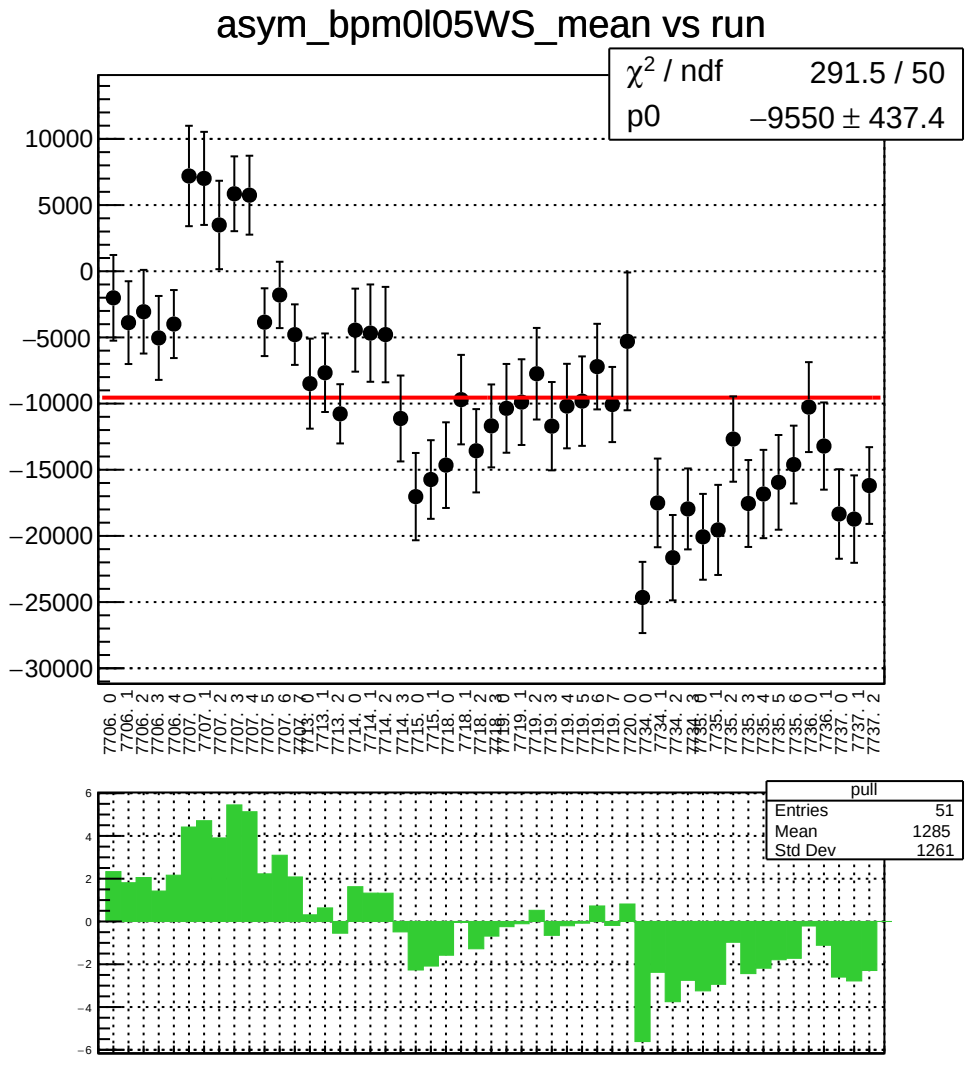

pull1D
Entries 51
Mean −0.07883
Std Dev 1.159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

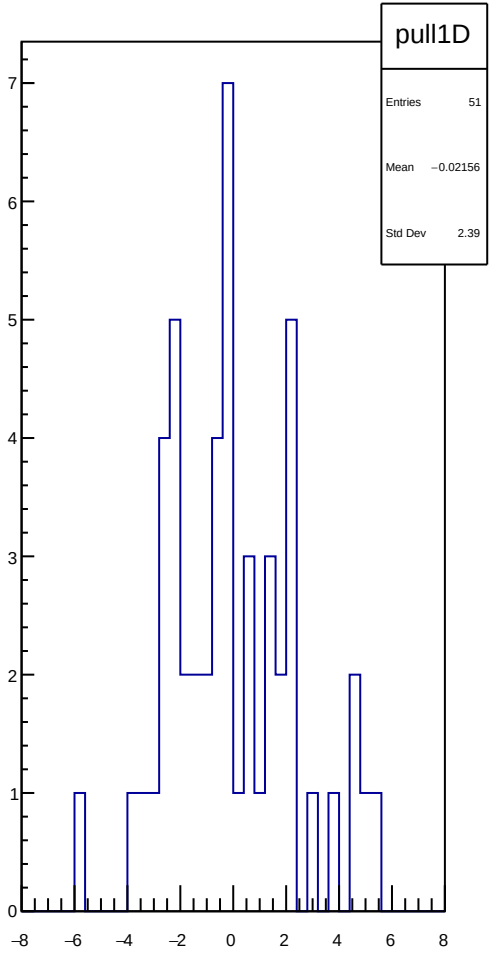

asym_bpm0l03WS_rms vs run
χ² / ndf 2.001e+05 / 50
p0 619.6 ± 0.7082
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

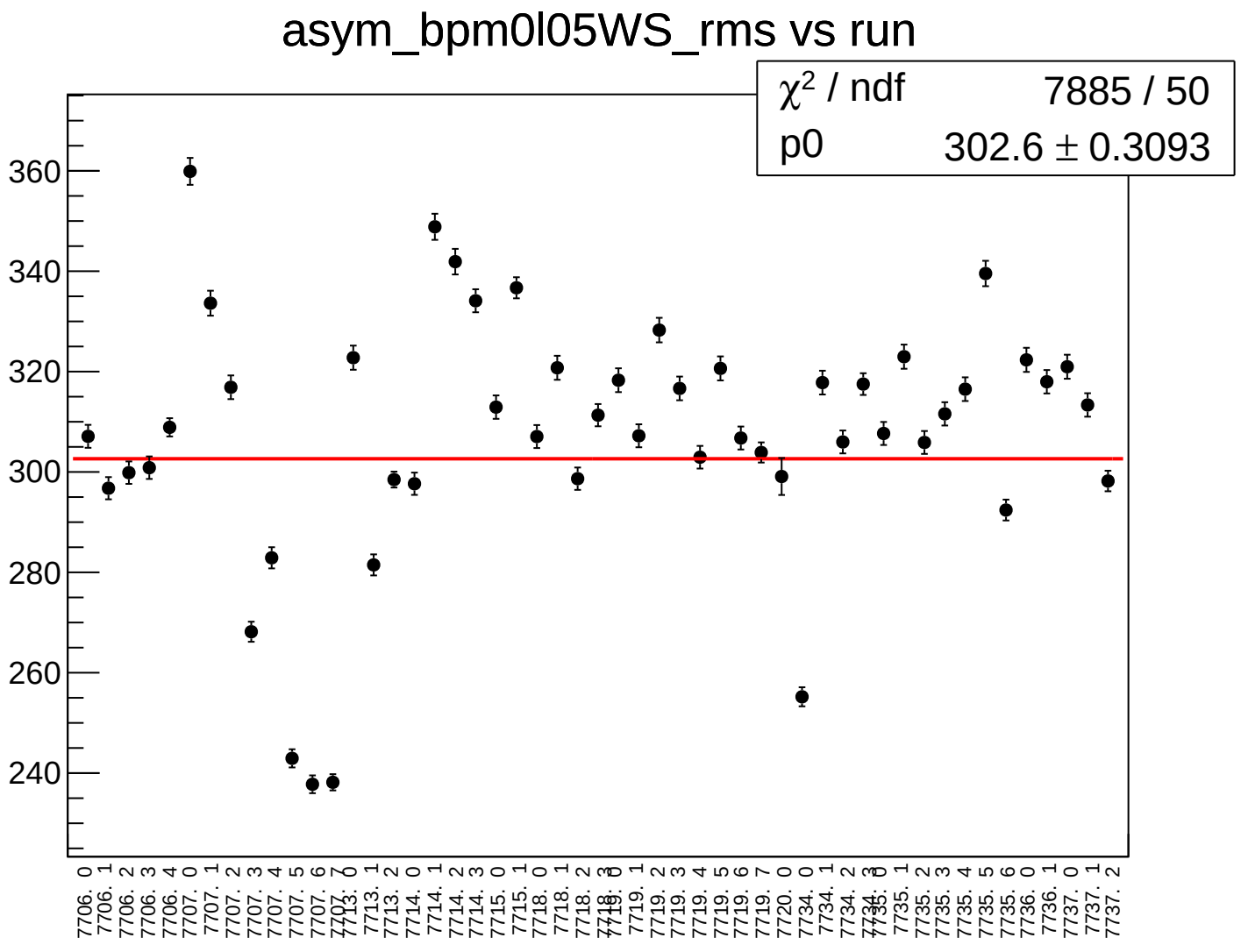

asym_bpm0l04WS_mean vs run
χ² / ndf 256.9 / 50
p0 −1.007e+04 ± 437.6
pull
Entries 51
Mean −1001
Std Dev 1026

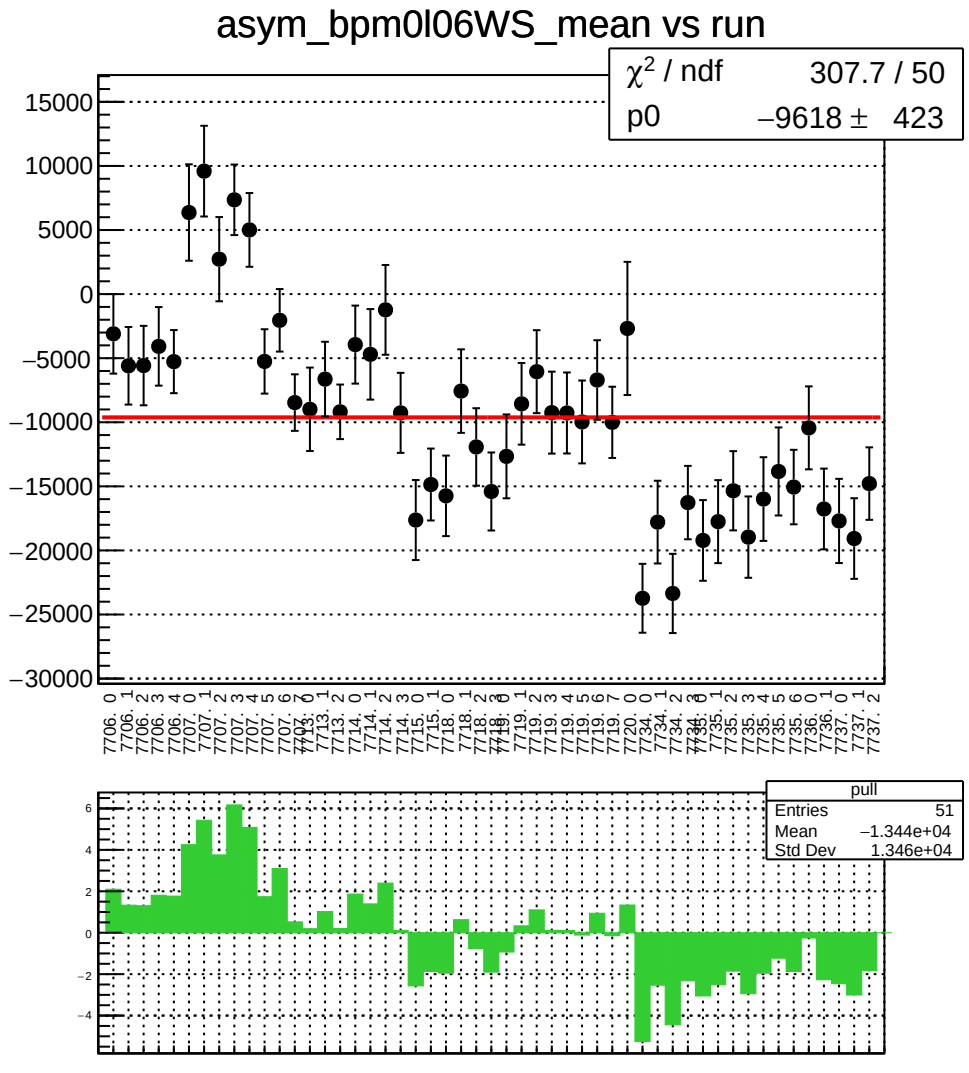

pull1D
Entries 51
Mean 0.02494
Std Dev 2.244

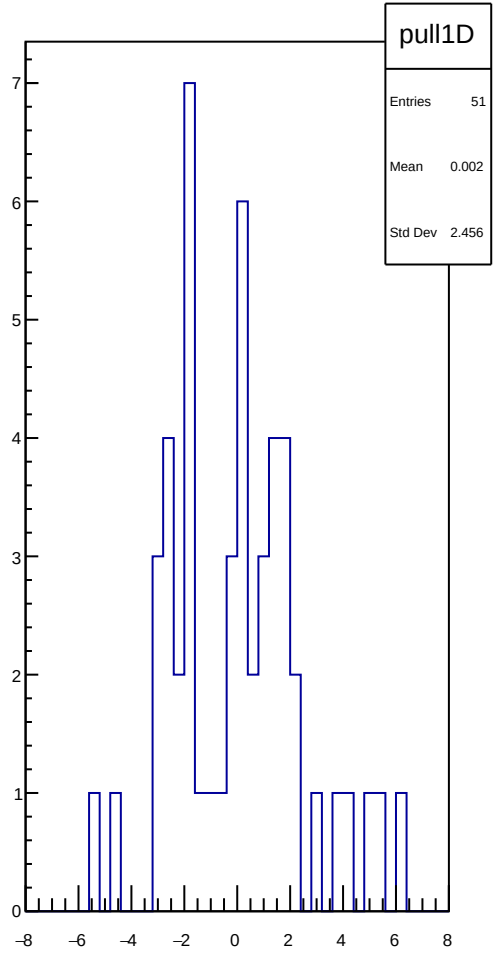

asym_bpm0l04WS_rms vs run
χ² / ndf 7409 / 50
p0 302.9 ± 0.3094
400
380
360
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

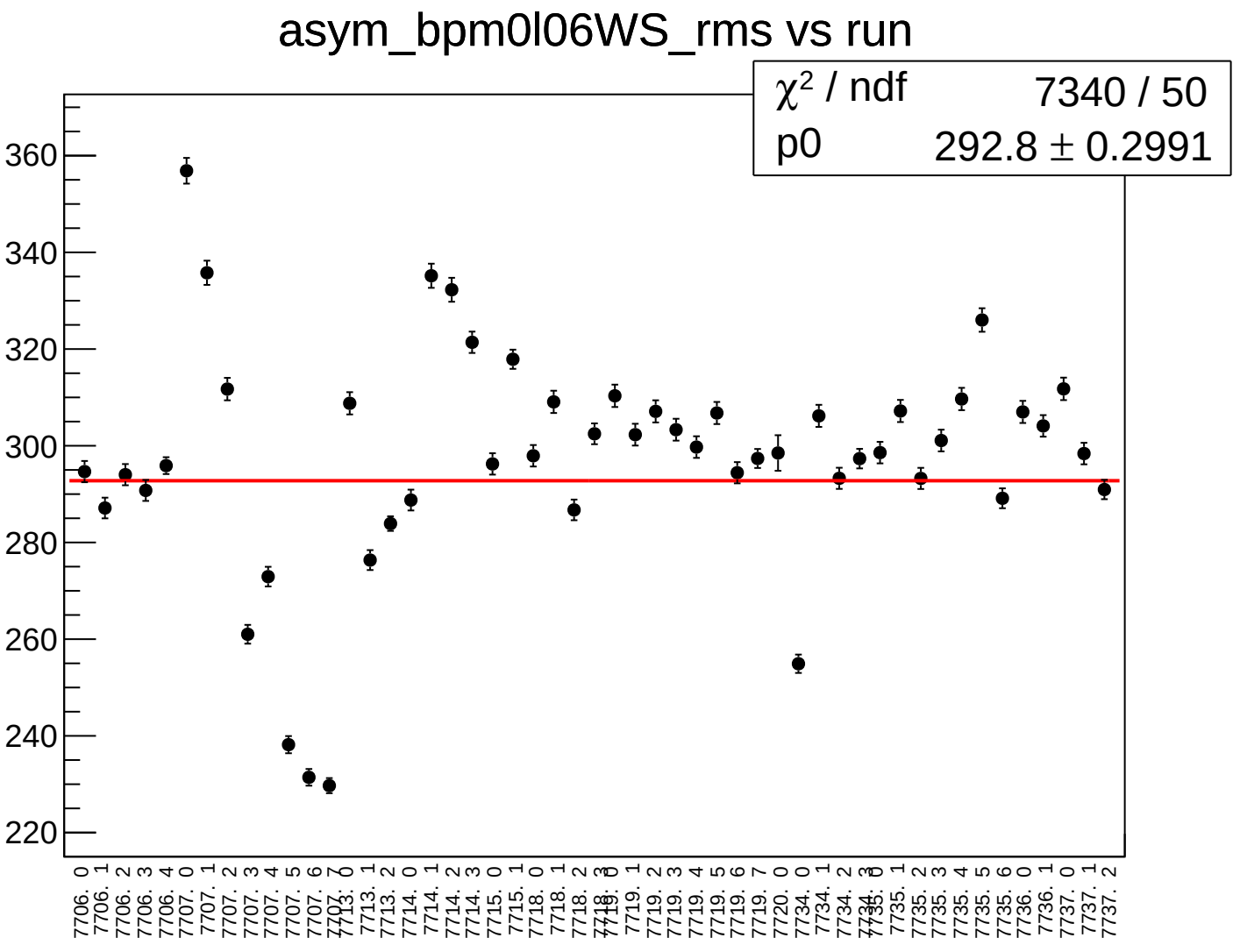

asym_bpm0l05WS_mean vs run
χ² / ndf 291.5 / 50
p0 −9550 ± 437.4
pull
Entries 51
Mean 1285
Std Dev 1261

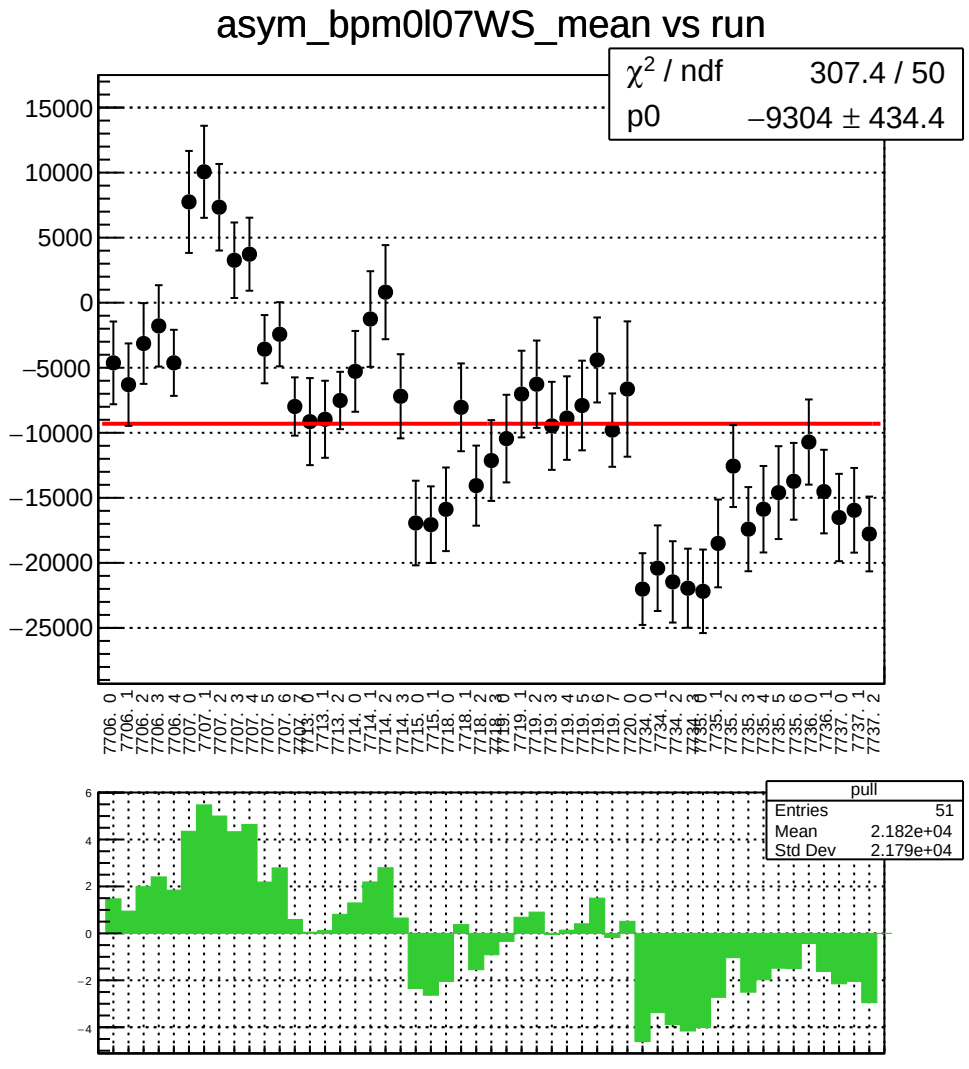

pull1D
Entries 51
Mean −0.02156
Std Dev 2.39

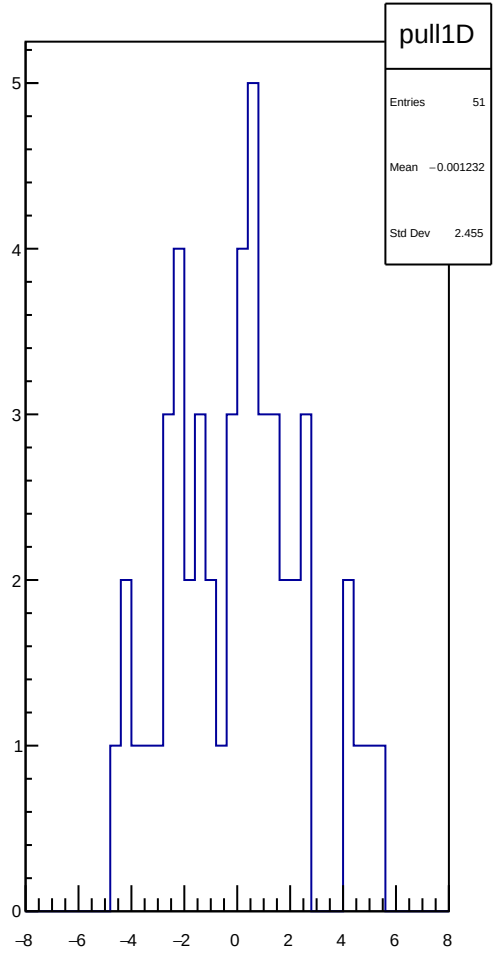

asym_bpm0l05WS_rms vs run
χ² / ndf 7885 / 50
p0 302.6 ± 0.3093
360
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

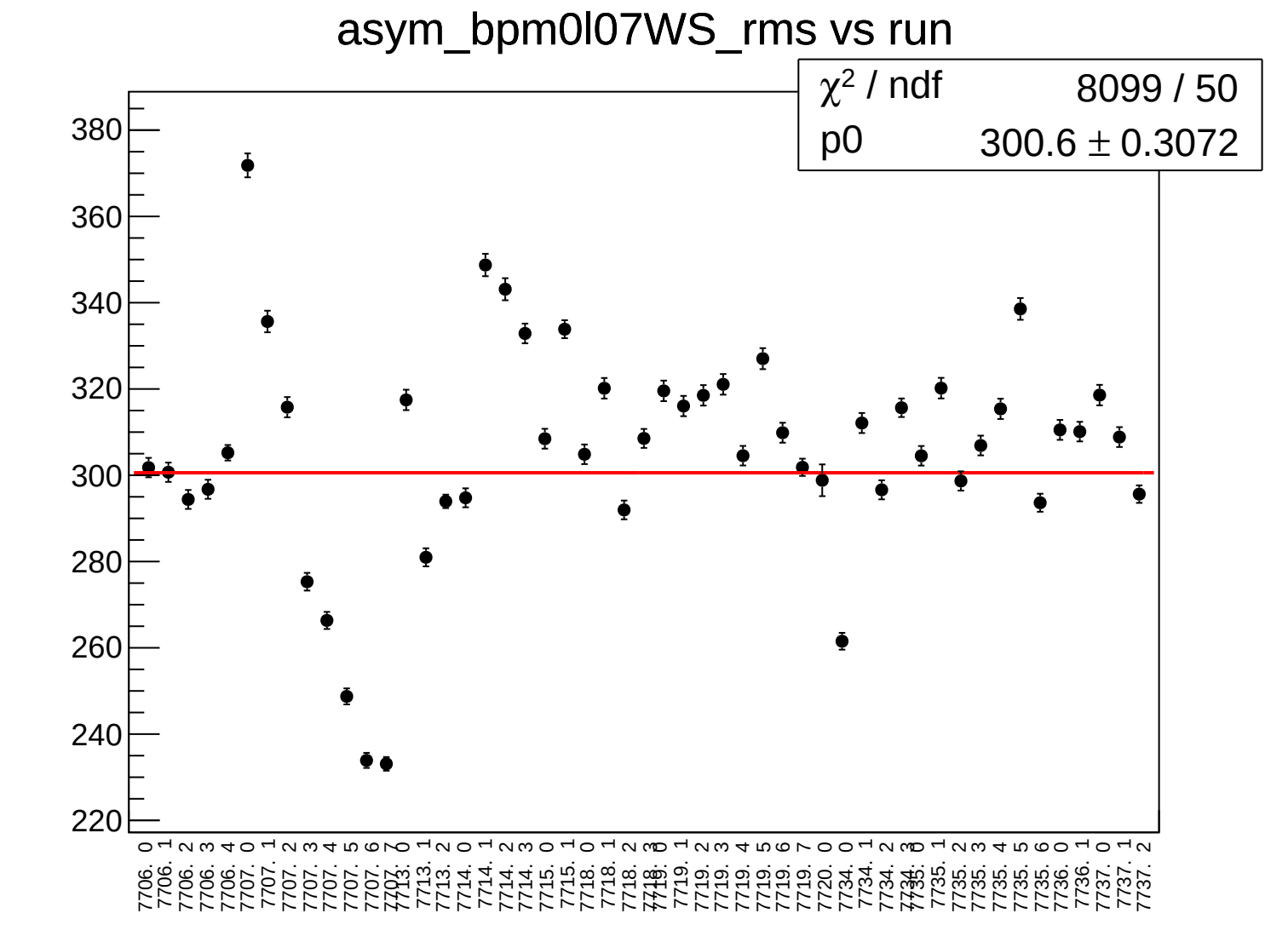

asym_bpm0l06WS_mean vs run
χ² / ndf 307.7 / 50
p0 −9618 ± 423
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 51
Mean −1.344e+04
Std Dev 1.346e+04

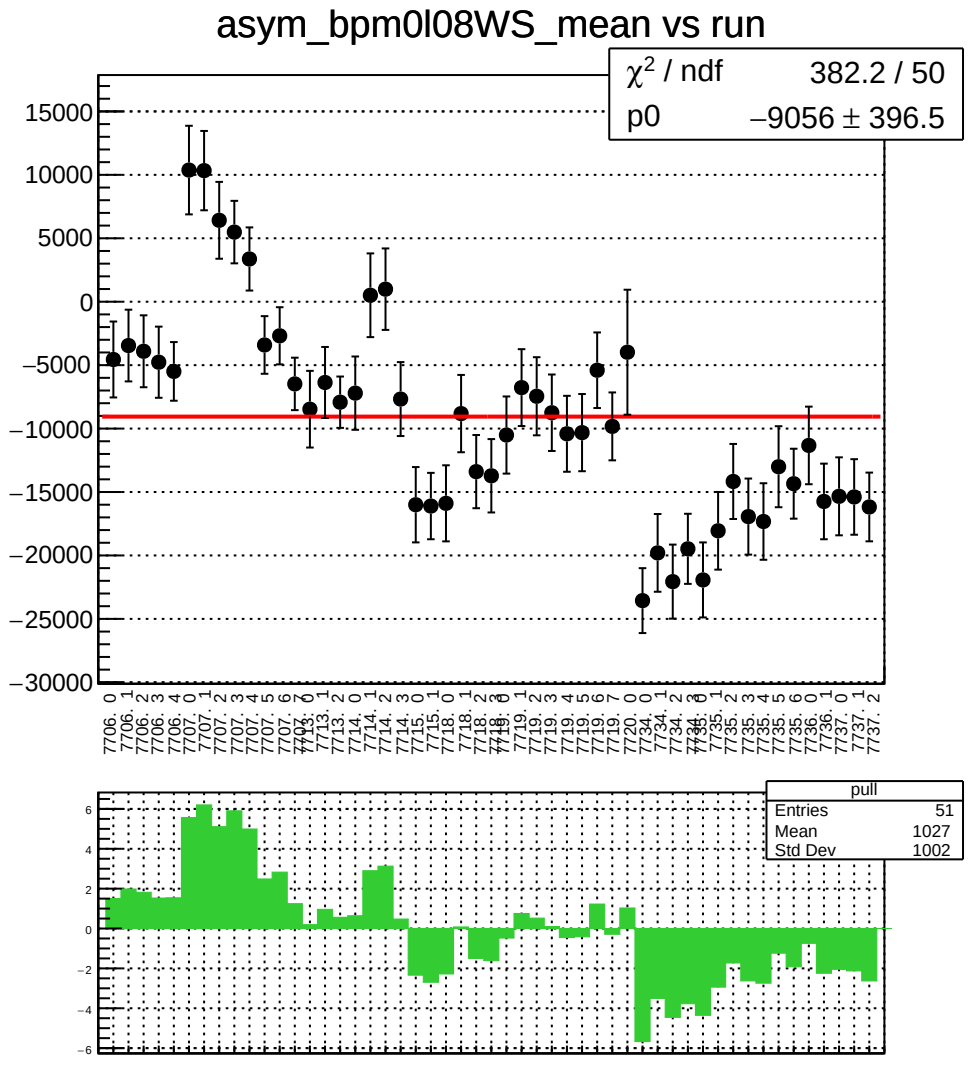

pull1D
Entries 51
Mean 0.002
Std Dev 2.456

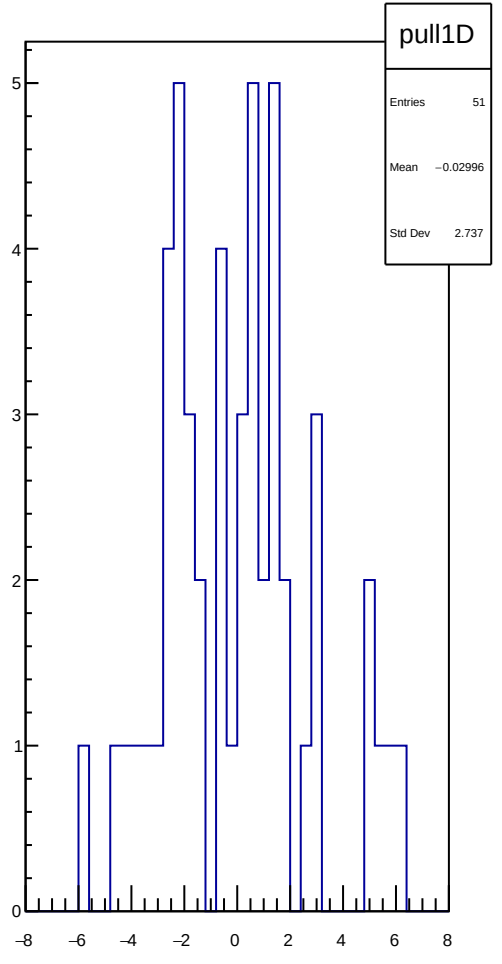

asym_bpm0l06WS_rms vs run
χ² / ndf 7340 / 50
p0 292.8 ± 0.2991
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

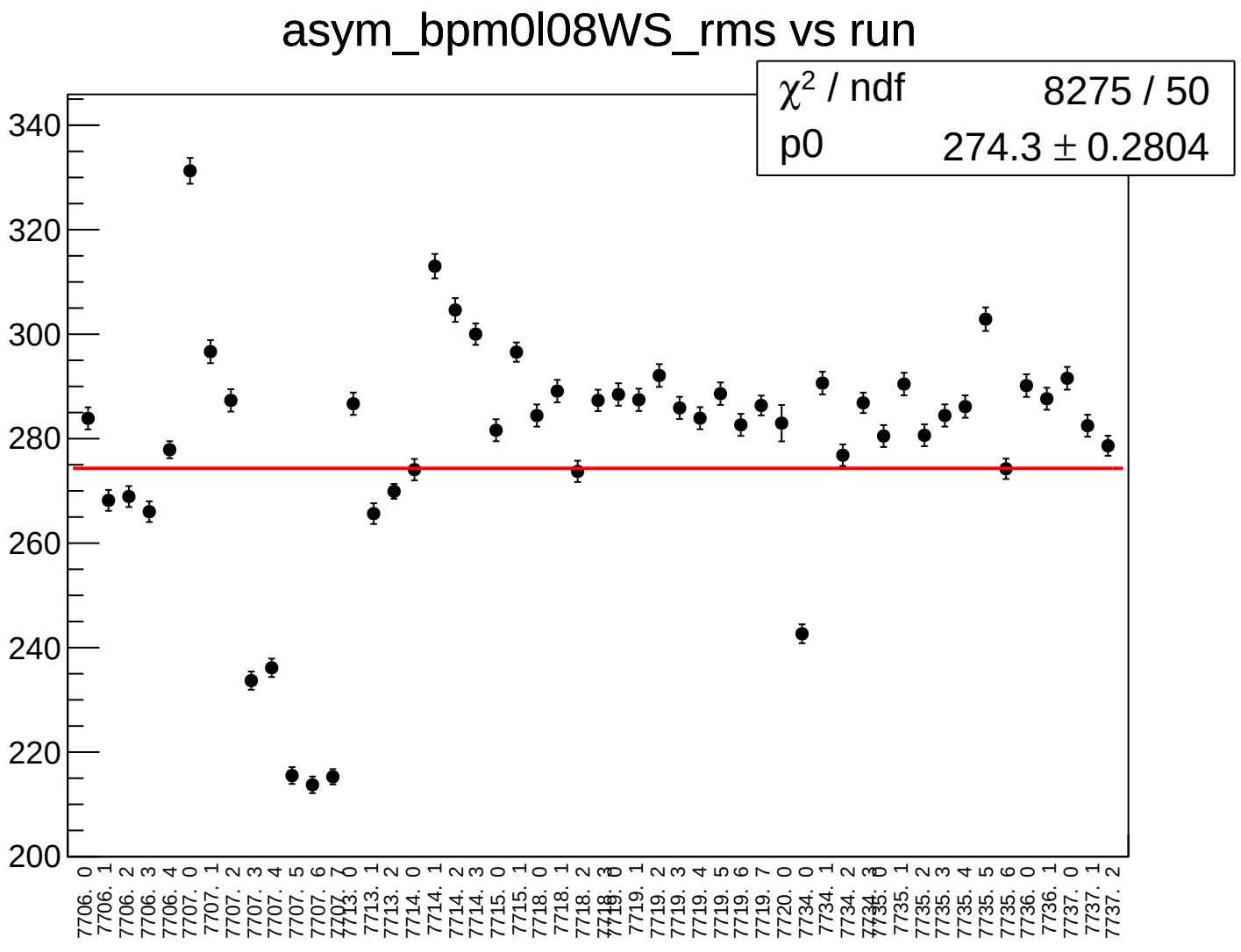

asym_bpm0l07WS_mean vs run
χ² / ndf 307.4 / 50
p0 −9304 ± 434.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 51
Mean 2.182e+04
Std Dev 2.179e+04

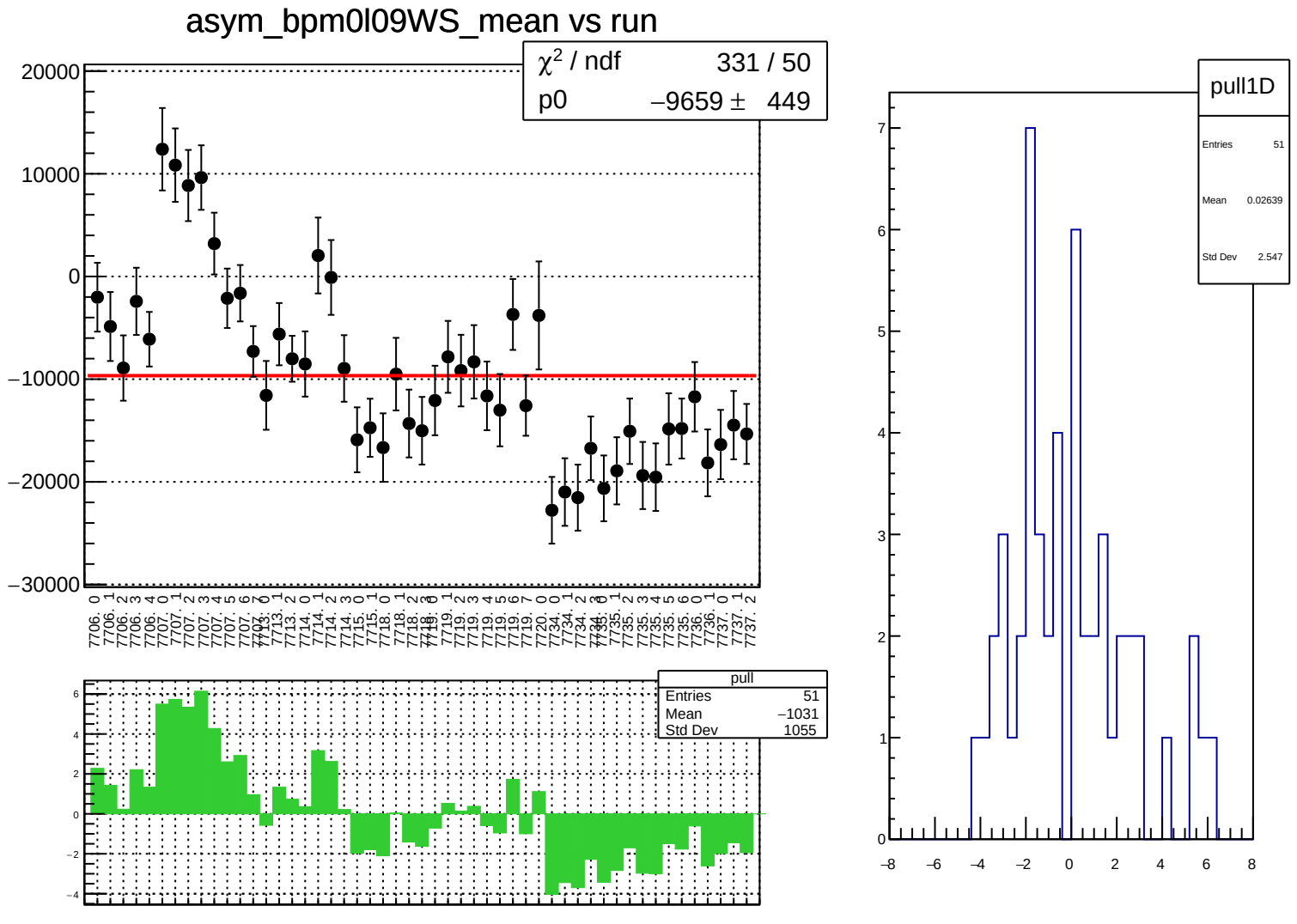

pull1D
Entries 51
Mean −0.001232
Std Dev 2.455

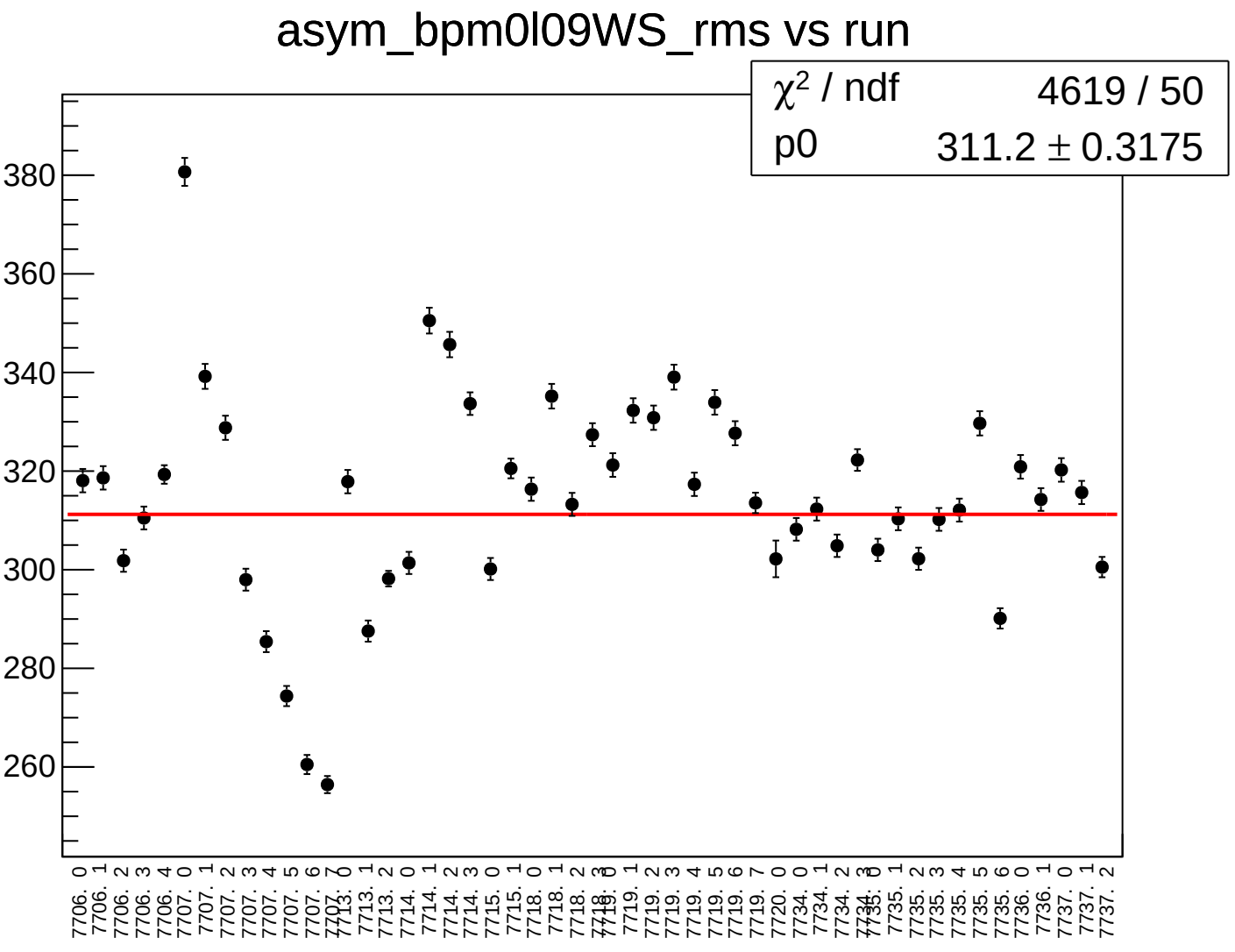

asym_bpm0l07WS_rms vs run
χ² / ndf 8099 / 50
p0 300.6 ± 0.3072
380
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

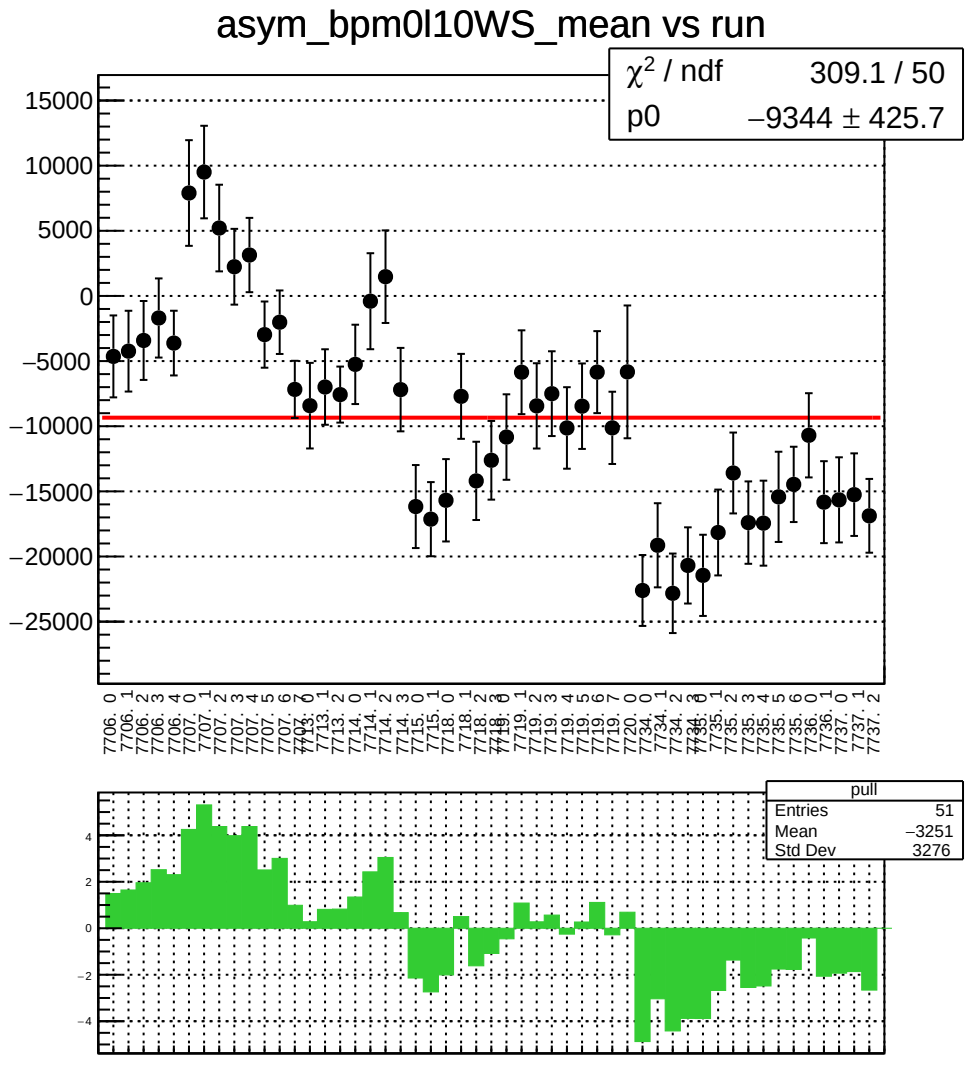

asym_bpm0l08WS_mean vs run
χ² / ndf 382.2 / 50
p0 −9056 ± 396.5
pull
Entries 51
Mean 1027
Std Dev 1002

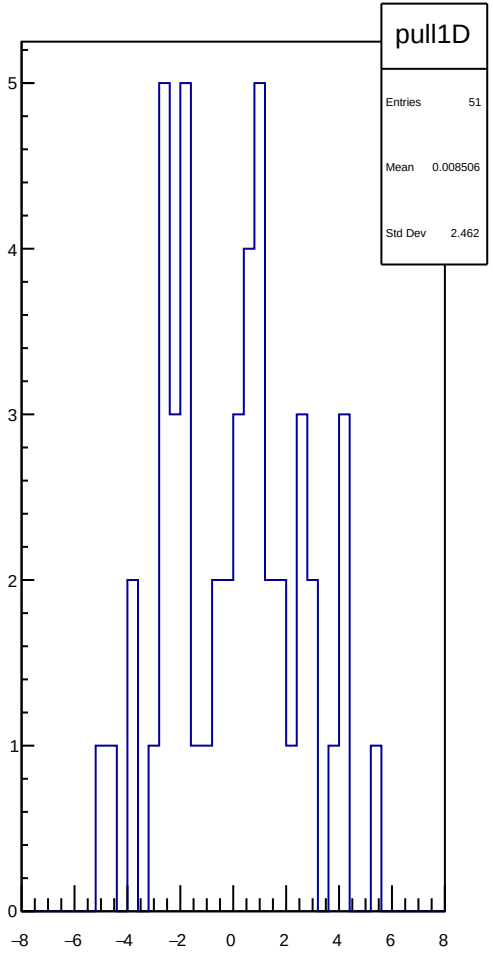

pull1D
Entries 51
Mean −0.02996
Std Dev 2.737

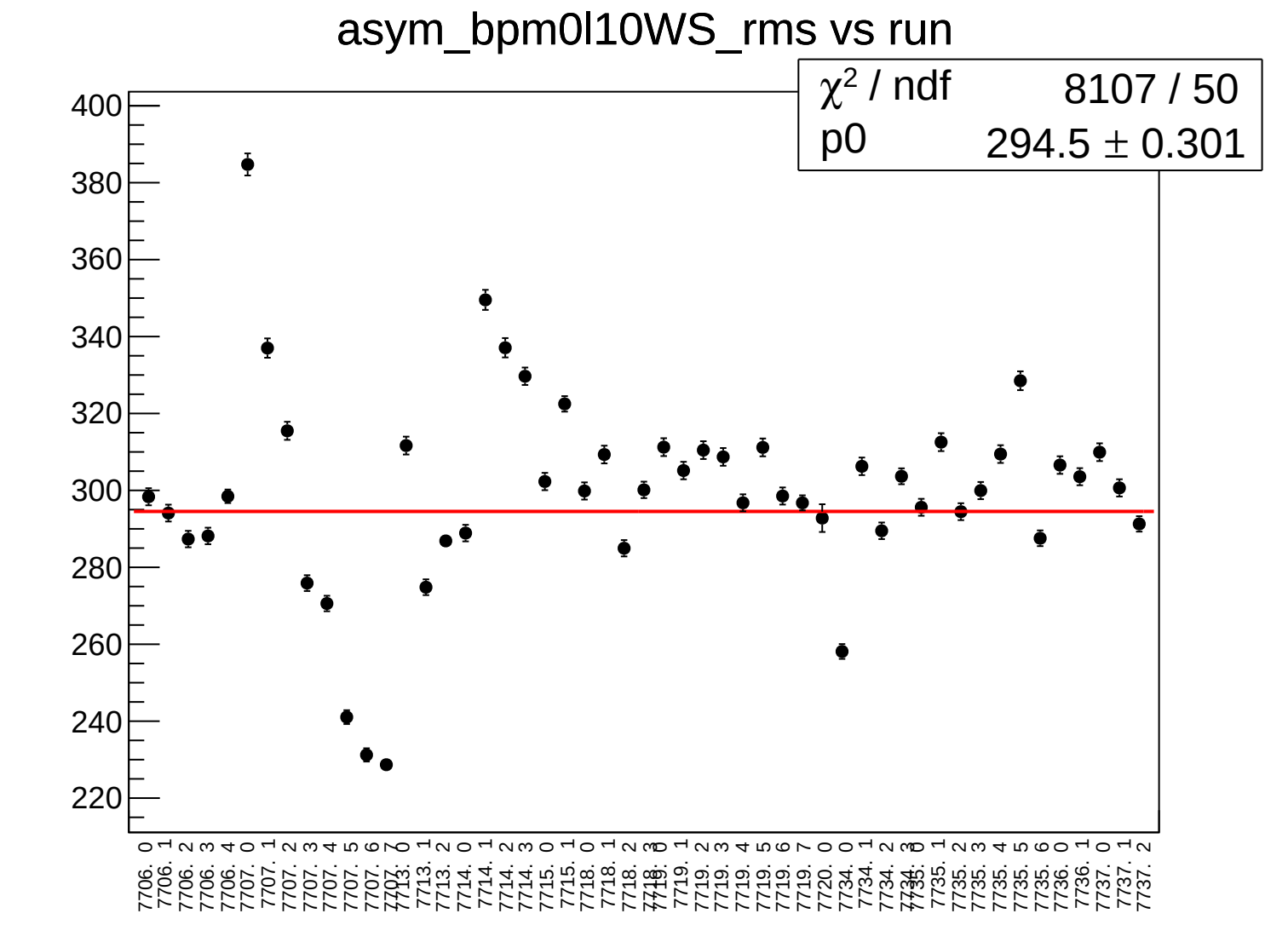

asym_bpm0l08WS_rms vs run
χ² / ndf 8275 / 50
p0 274.3 ± 0.2804
340
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

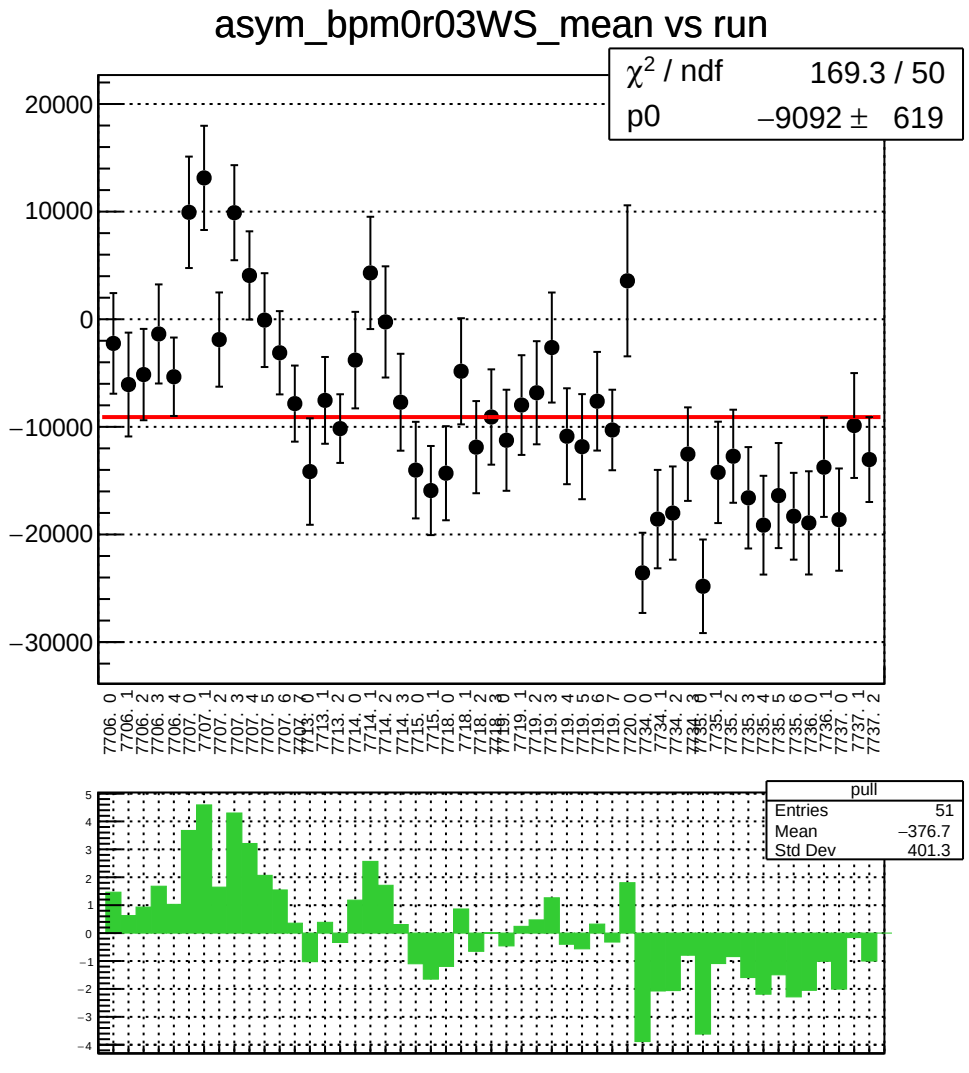

asym_bpm0l09WS_mean vs run
χ² / ndf 331 / 50
p0 −9659 ± 449
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −1031
Std Dev 1055
pull1D
Entries 51
Mean 0.02639
Std Dev 2.547

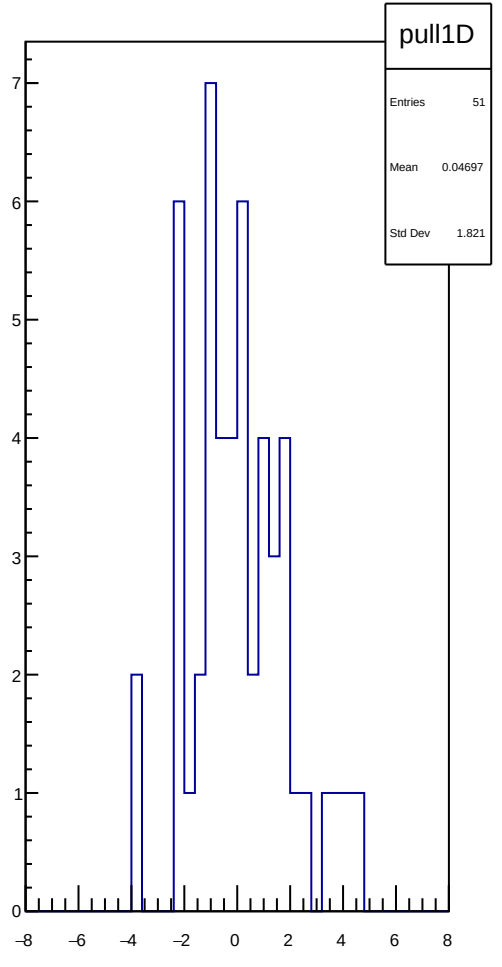

asym_bpm0l09WS_rms vs run
χ² / ndf 4619 / 50
p0 311.2 ± 0.3175
380
360
340
320
300
280
260
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

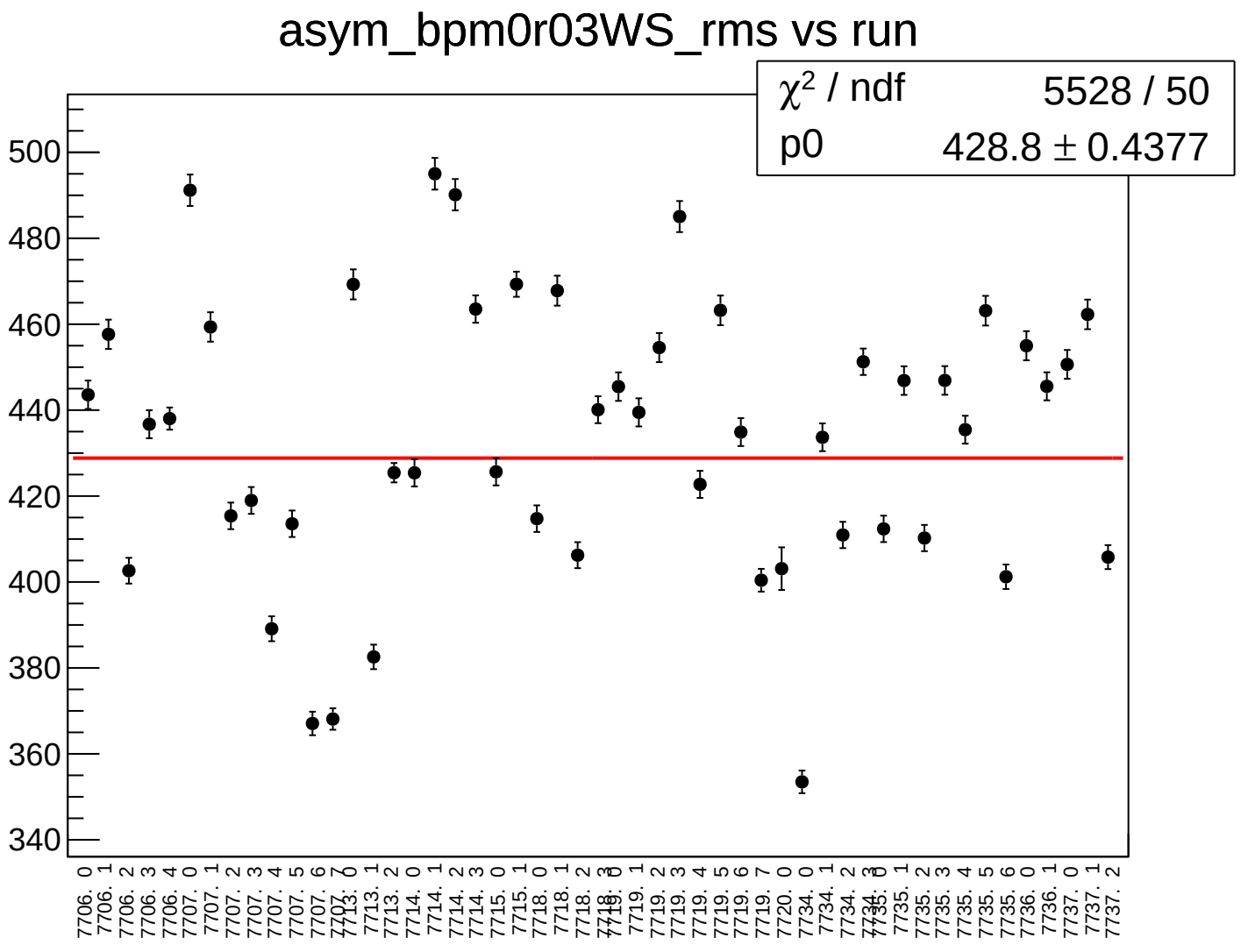

asym_bpm0l10WS_mean vs run
χ² / ndf 309.1 / 50
p0 −9344 ± 425.7
pull
Entries 51
Mean −3251
Std Dev 3276

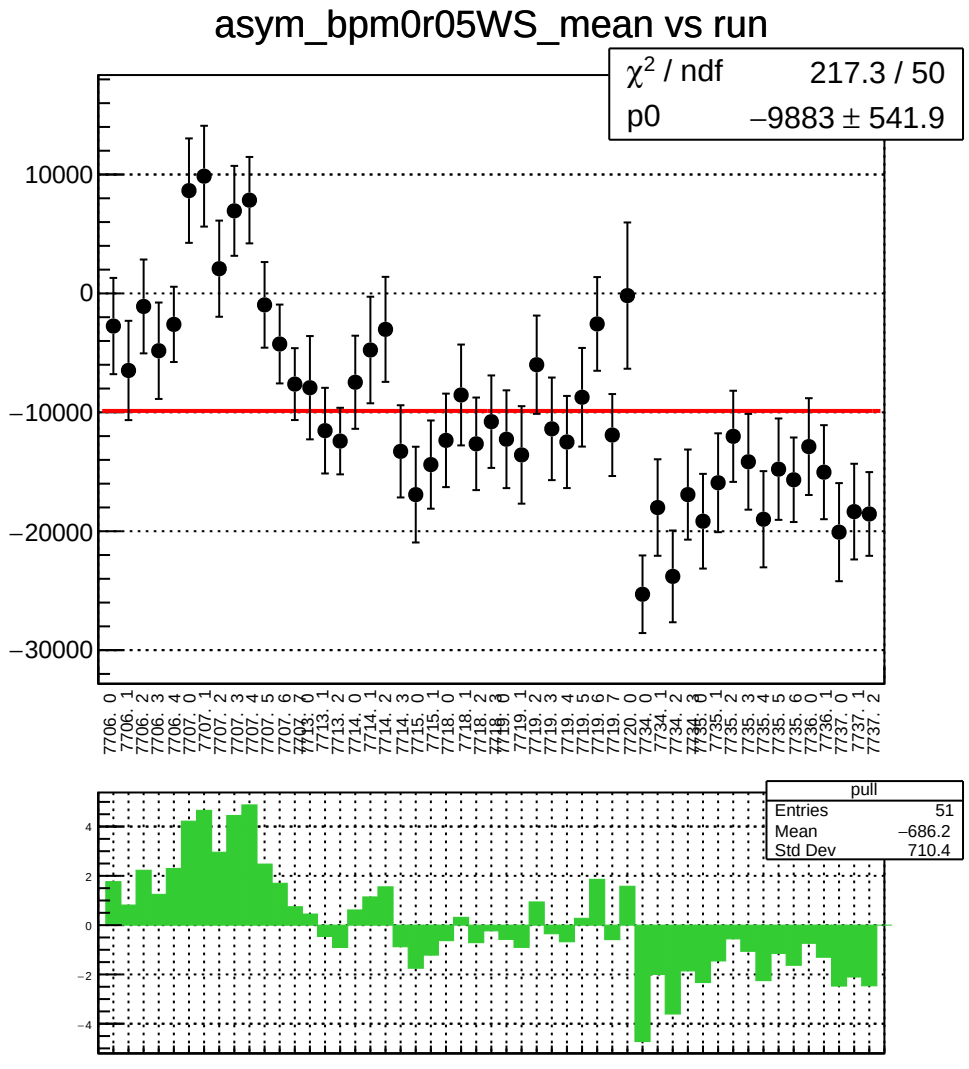

pull1D
Entries 51
Mean 0.008506
Std Dev 2.462

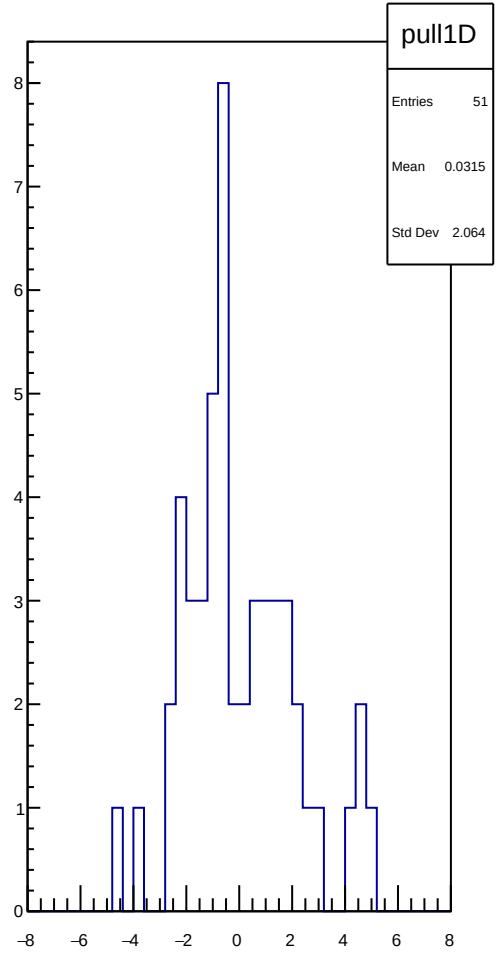

asym_bpm0l10WS_rms vs run
χ² / ndf 8107 / 50
p0 294.5 ± 0.301
400
380
360
340
320
300
280
260
240
220
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

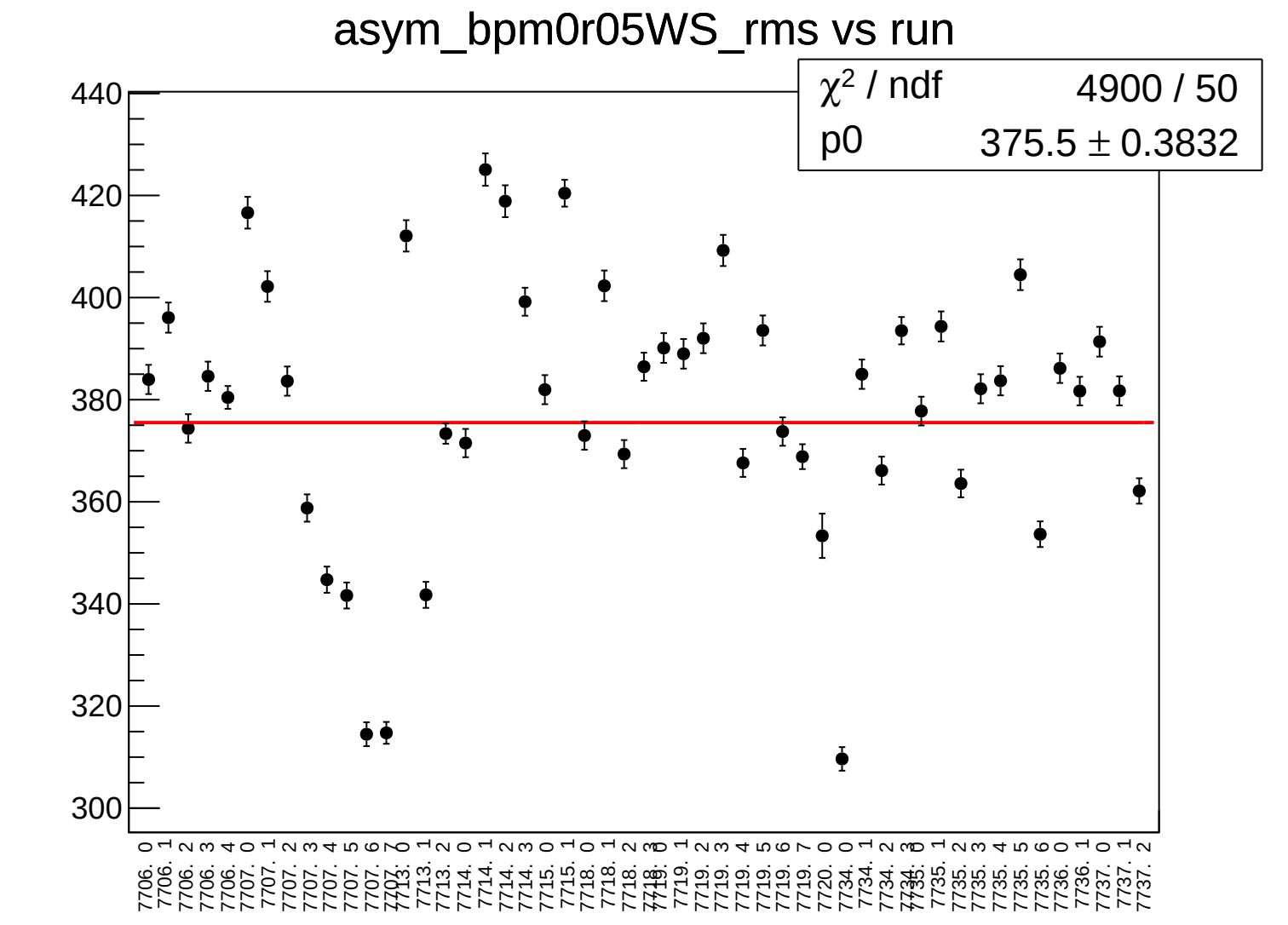

asym_bpm0r03WS_mean vs run
χ² / ndf 169.3 / 50
p0 −9092 ± 619
20000
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −376.7
Std Dev 401.3
5
4
3
2
1
0
−1
−2
−3
−4

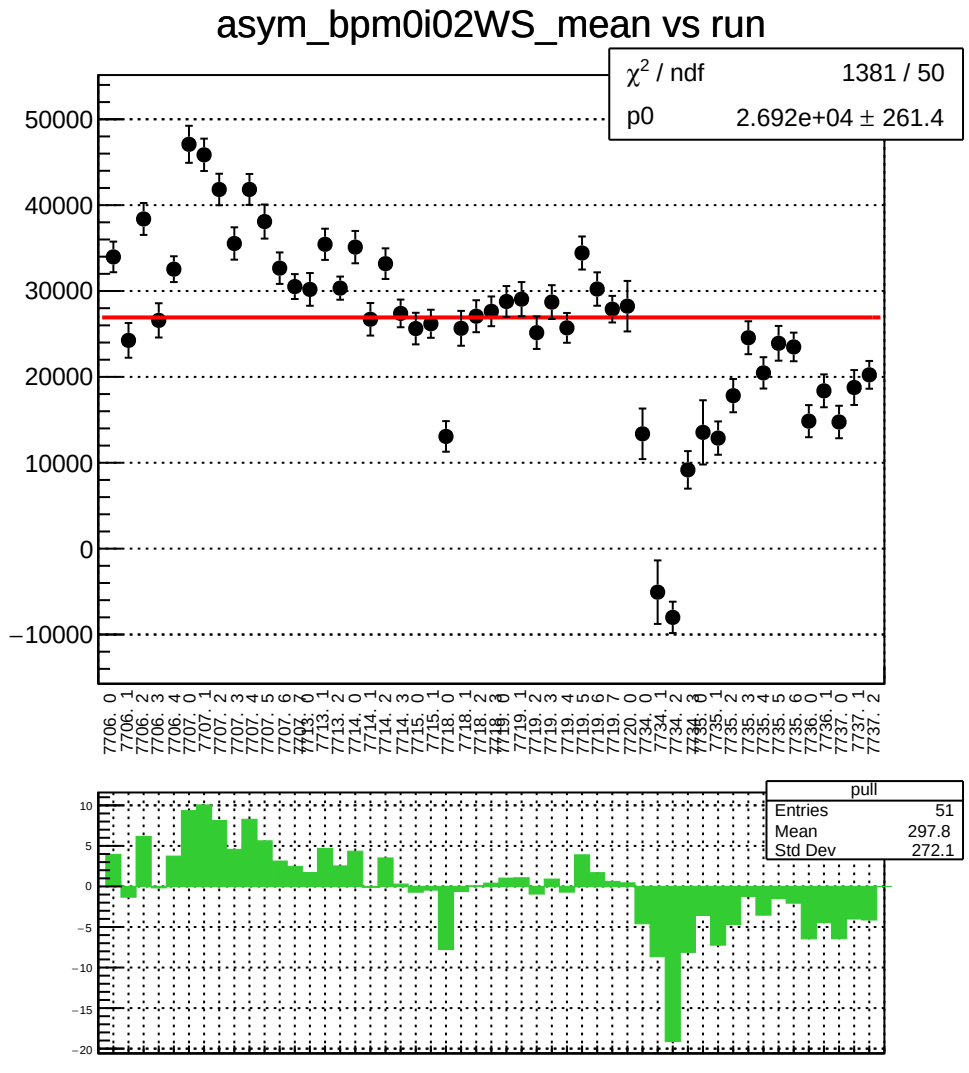

pull1D
Entries 51
Mean 0.04697
Std Dev 1.821
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

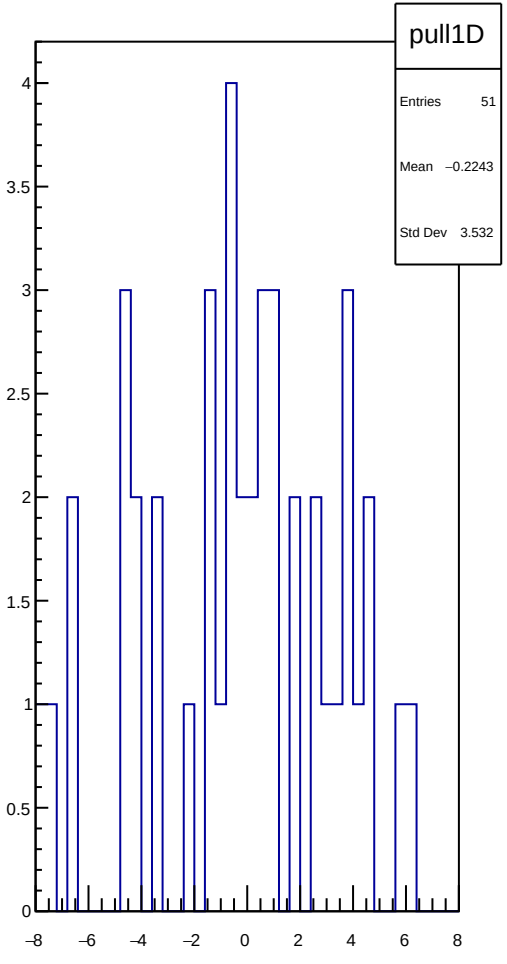

asym_bpm0r03WS_rms vs run
χ² / ndf 5528 / 50
p0 428.8 ± 0.4377
500
480
460
440
420
400
380
360
340
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

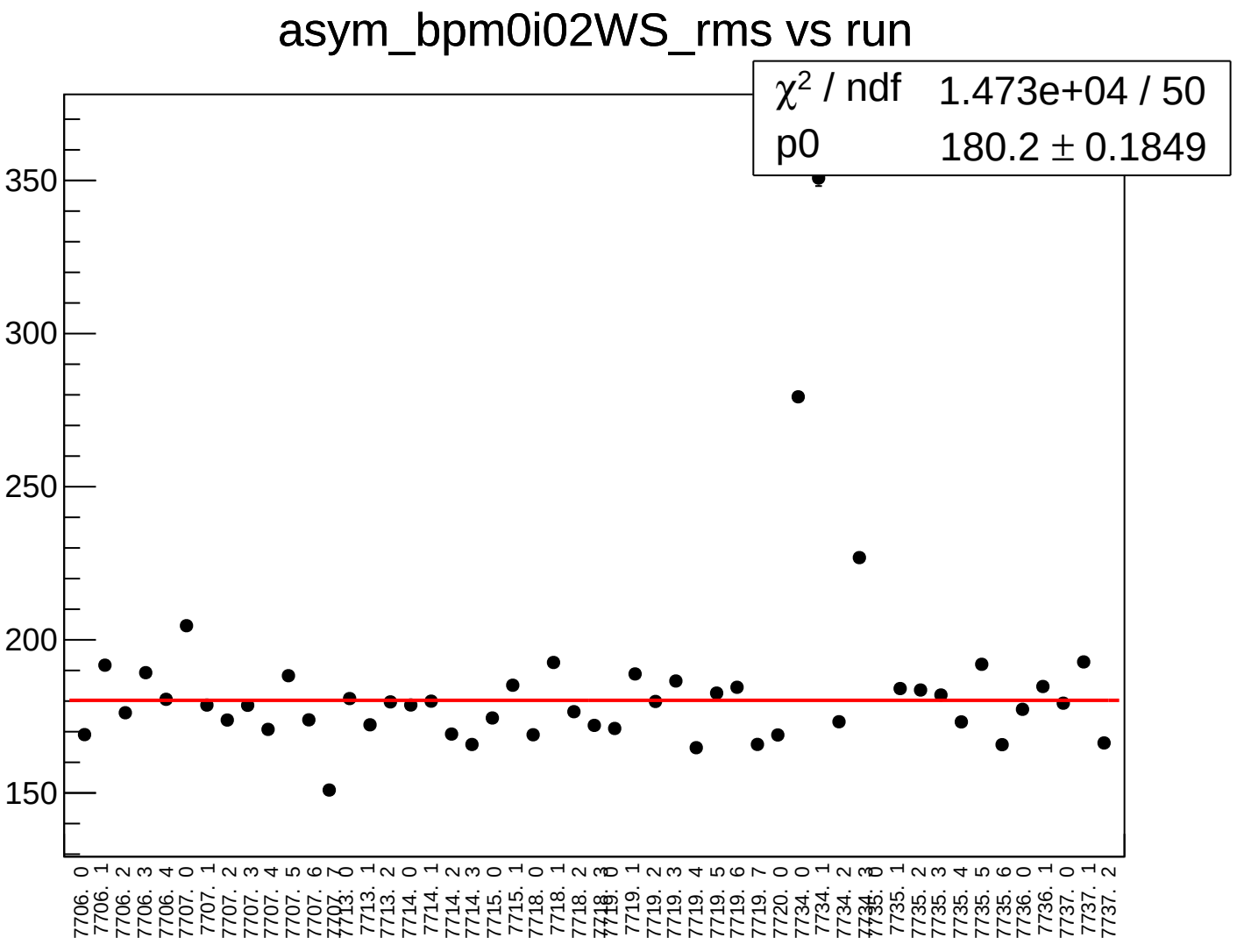

asym_bpm0r05WS_mean vs run
χ² / ndf 217.3 / 50
p0 −9883 ± 541.9
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −686.2
Std Dev 710.4

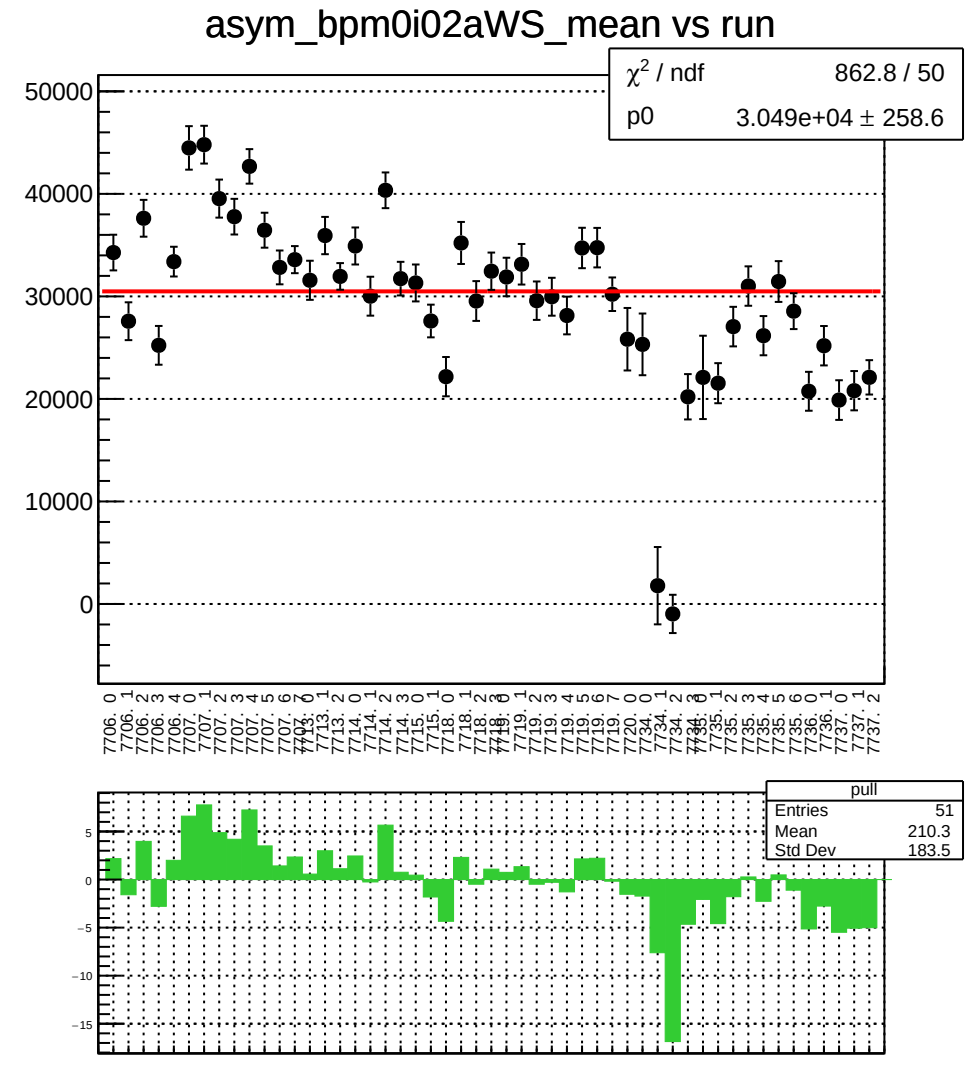

pull1D
Entries 51
Mean 0.0315
Std Dev 2.064

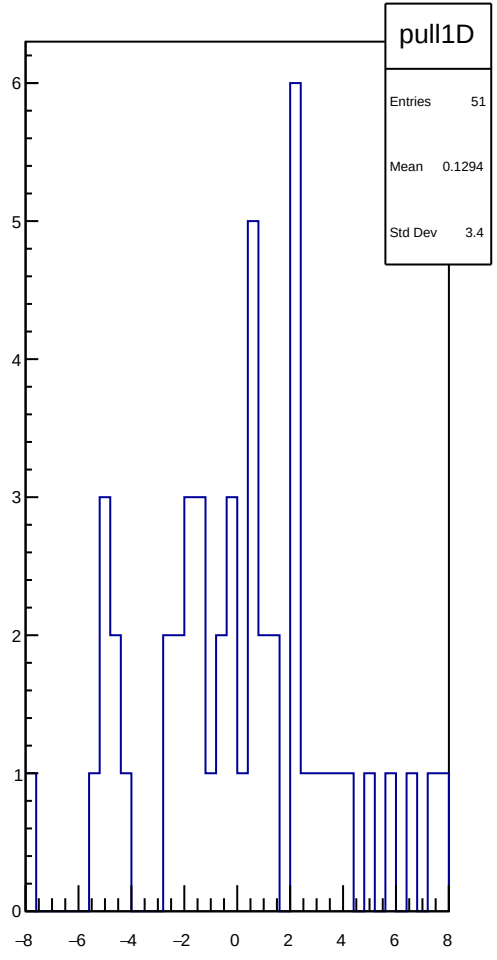

asym_bpm0r05WS_rms vs run
χ² / ndf 4900 / 50
p0 375.5 ± 0.3832
440
420
400
380
360
340
320
300
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

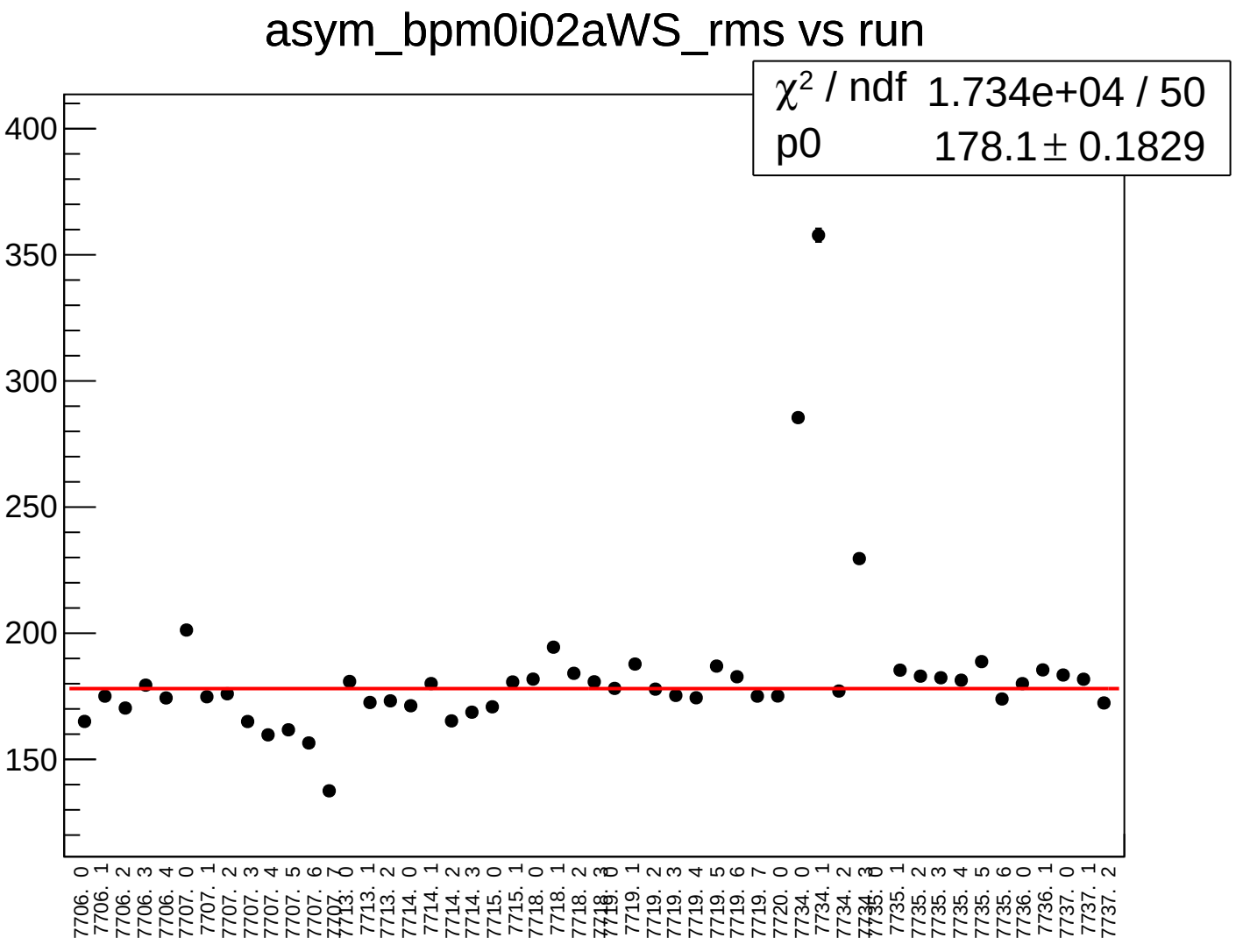

asym_bpm0i02WS_mean vs run
χ² / ndf 1381 / 50
p0 2.692e+04 ± 261.4
pull
Entries 51
Mean 297.8
Std Dev 272.1


pull1D
Entries 51
Mean −0.2243
Std Dev 3.532

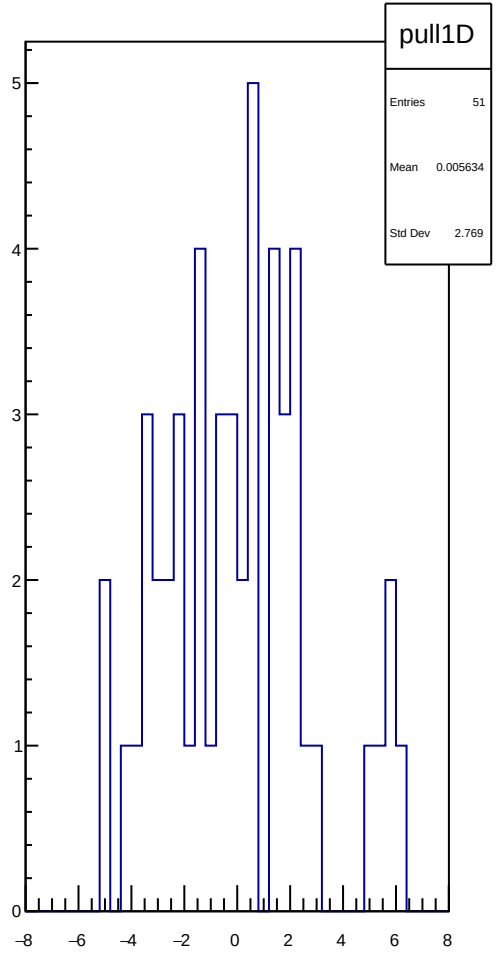

asym_bpm0i02WS_rms vs run
χ² / ndf 1.473e+04 / 50
p0 180.2 ± 0.1849
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

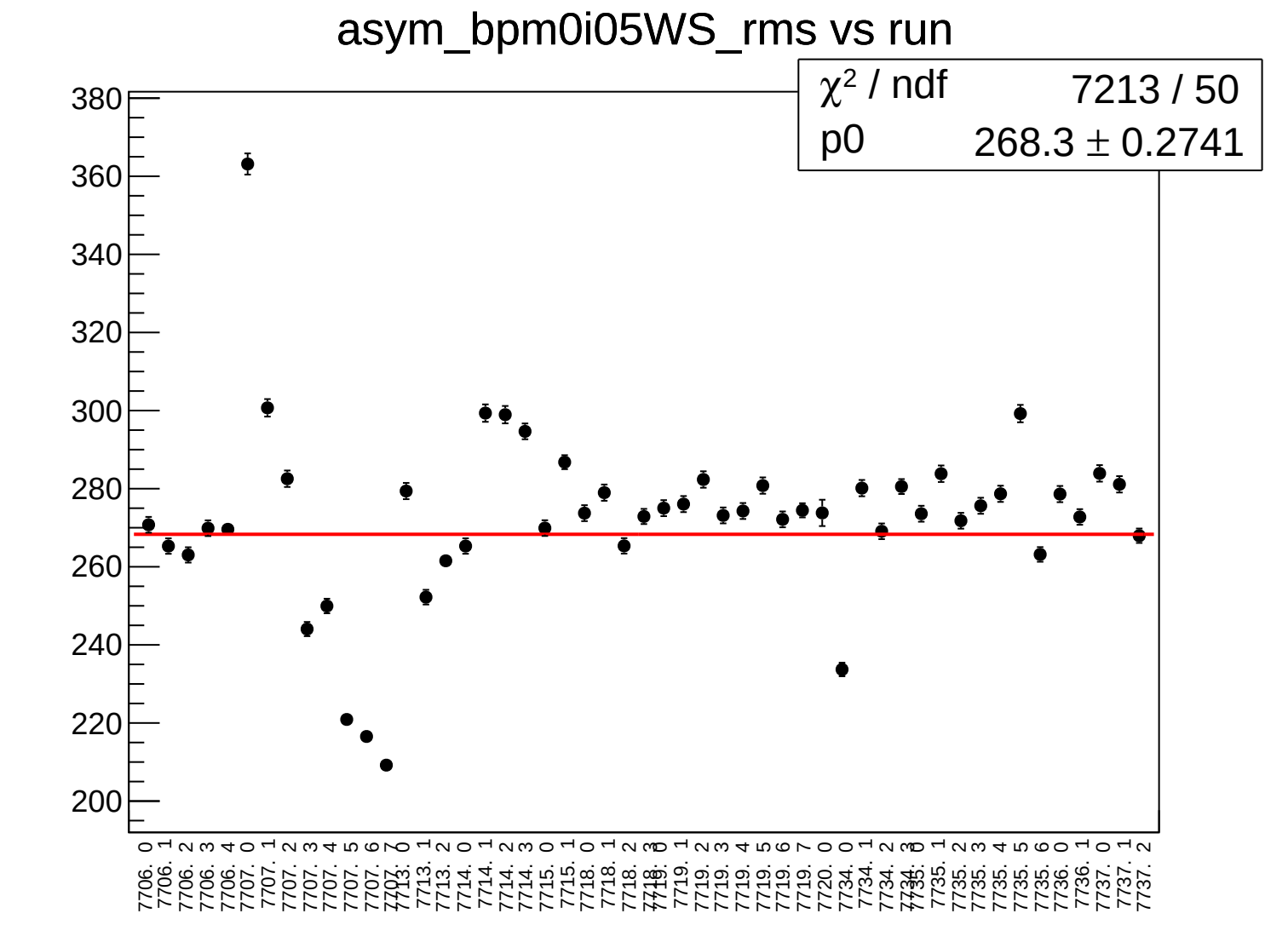

asym_bpm0i02aWS_mean vs run
χ² / ndf 862.8 / 50
p0 3.049e+04 ± 258.6
50000
40000
30000
20000
10000
0
pull
Entries 51
Mean 210.3
Std Dev 183.5
5
0
−5
−10
−15


pull1D
Entries 51
Mean 0.1294
Std Dev 3.4
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

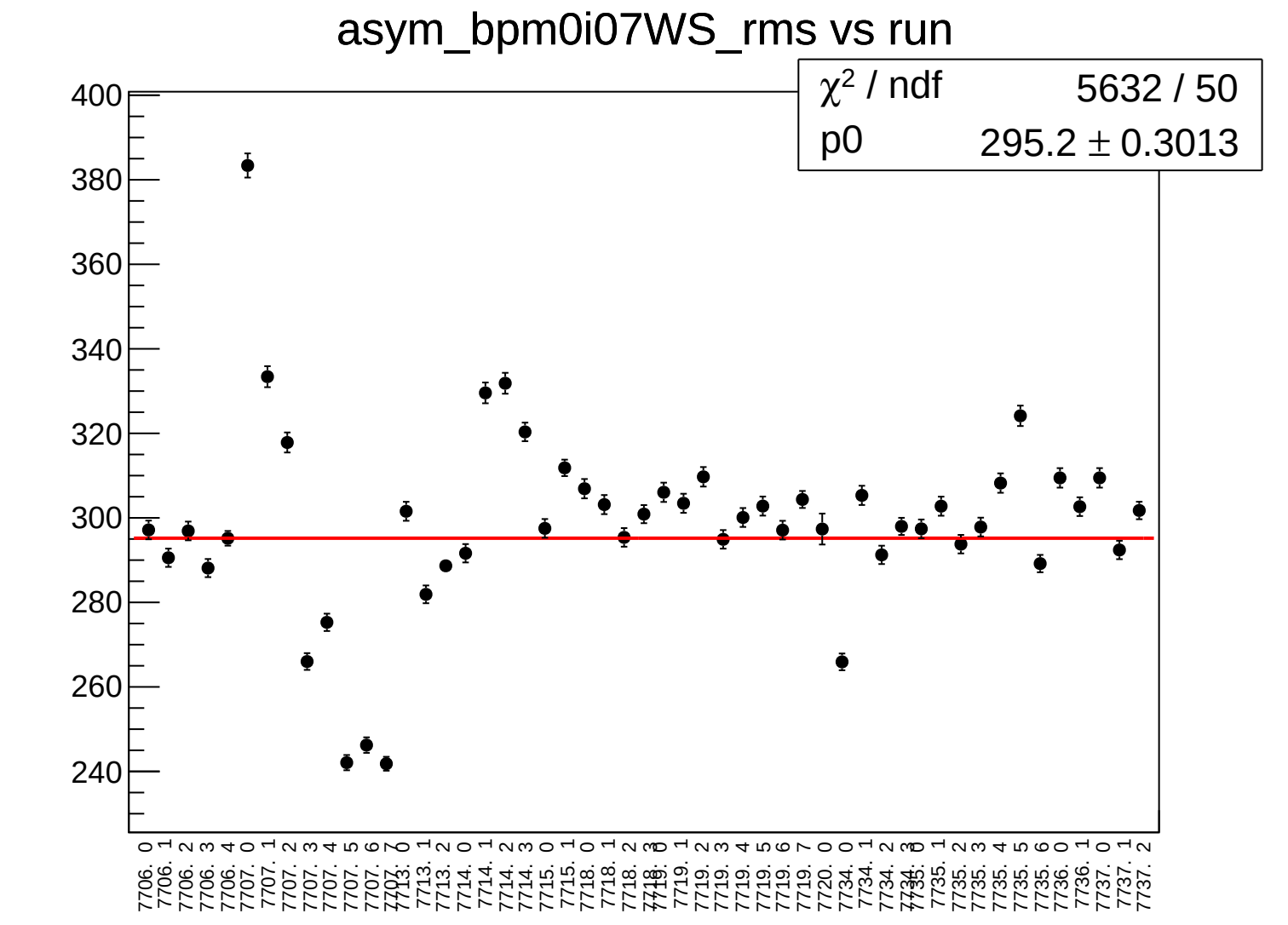

asym_bpm0i02aWS_rms vs run
χ² / ndf 1.734e+04 / 50
p0 178.1 ± 0.1829
400
350
300
250
200
150
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

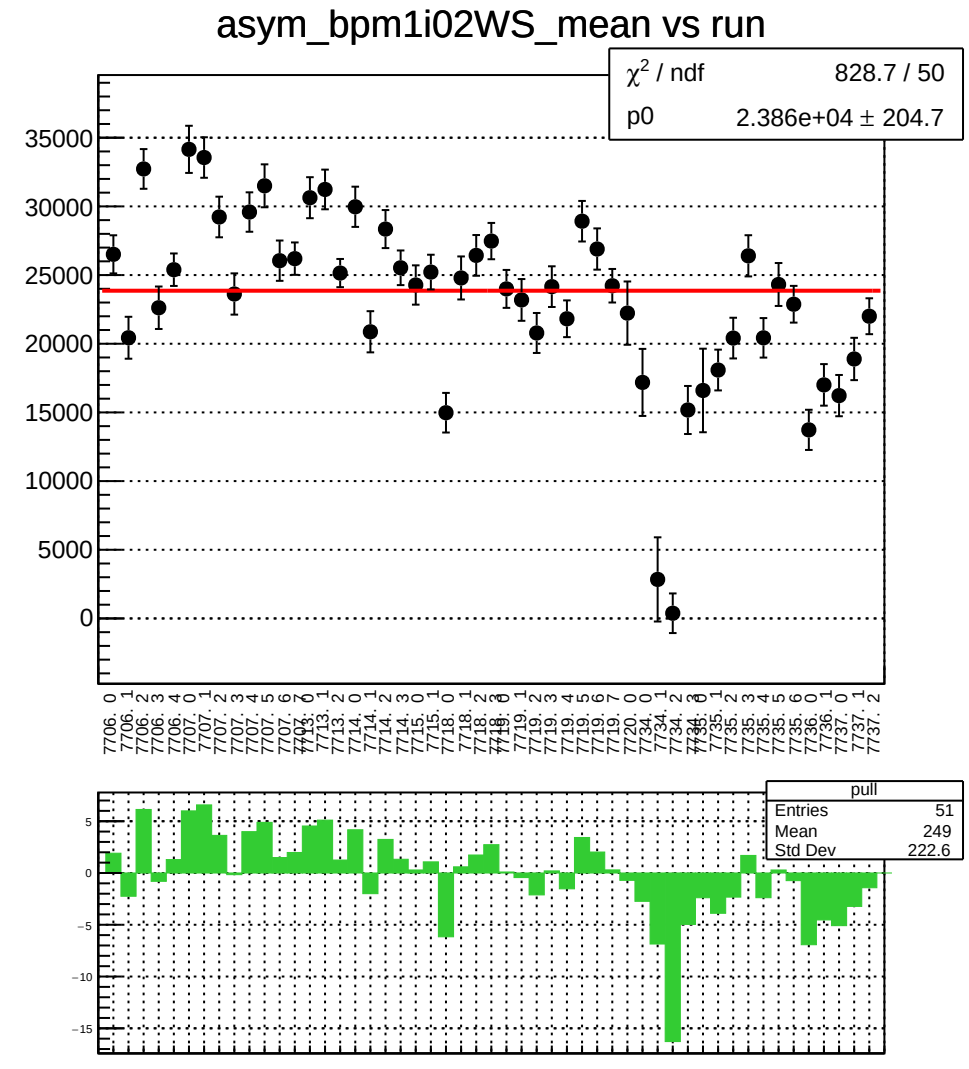
asym_bpm0i05WS_mean vs run
χ² / ndf 391.2 / 50
p0 −1.138e+04 ± 387.6
10000
0
−10000
−20000
−30000
pull
Entries 51
Mean −5346
Std Dev 5370
6
4
2
0
−2
−4

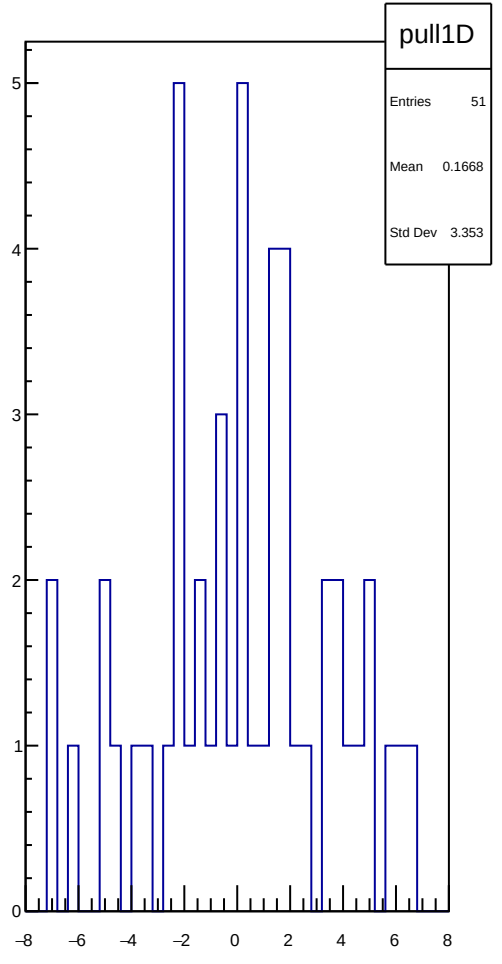

pull1D
Entries 51
Mean 0.005634
Std Dev 2.769
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

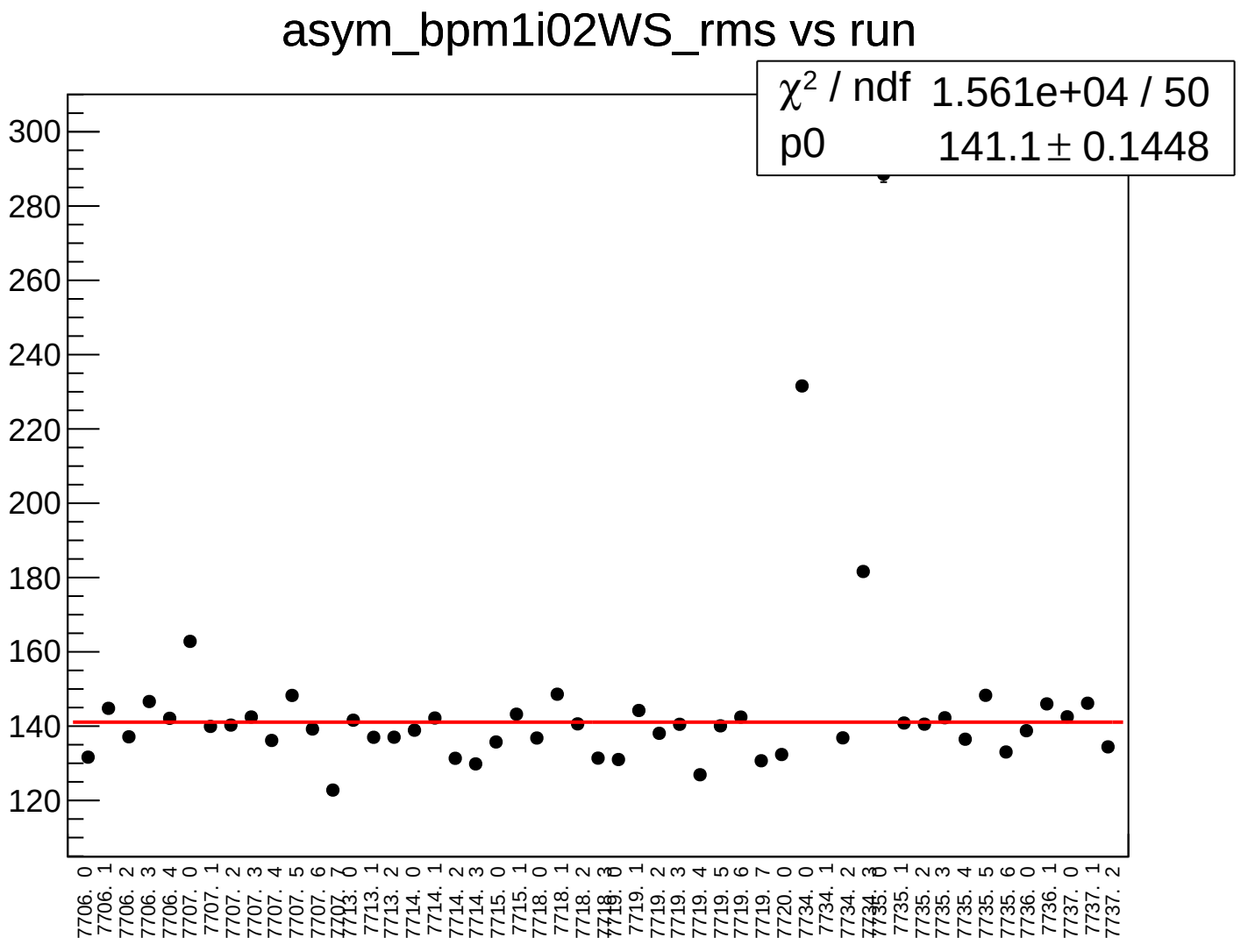

asym_bpm0i05WS_rms vs run
χ² / ndf 7213 / 50
p0 268.3 ± 0.2741
380
360
340
320
300
280
260
240
220
200
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

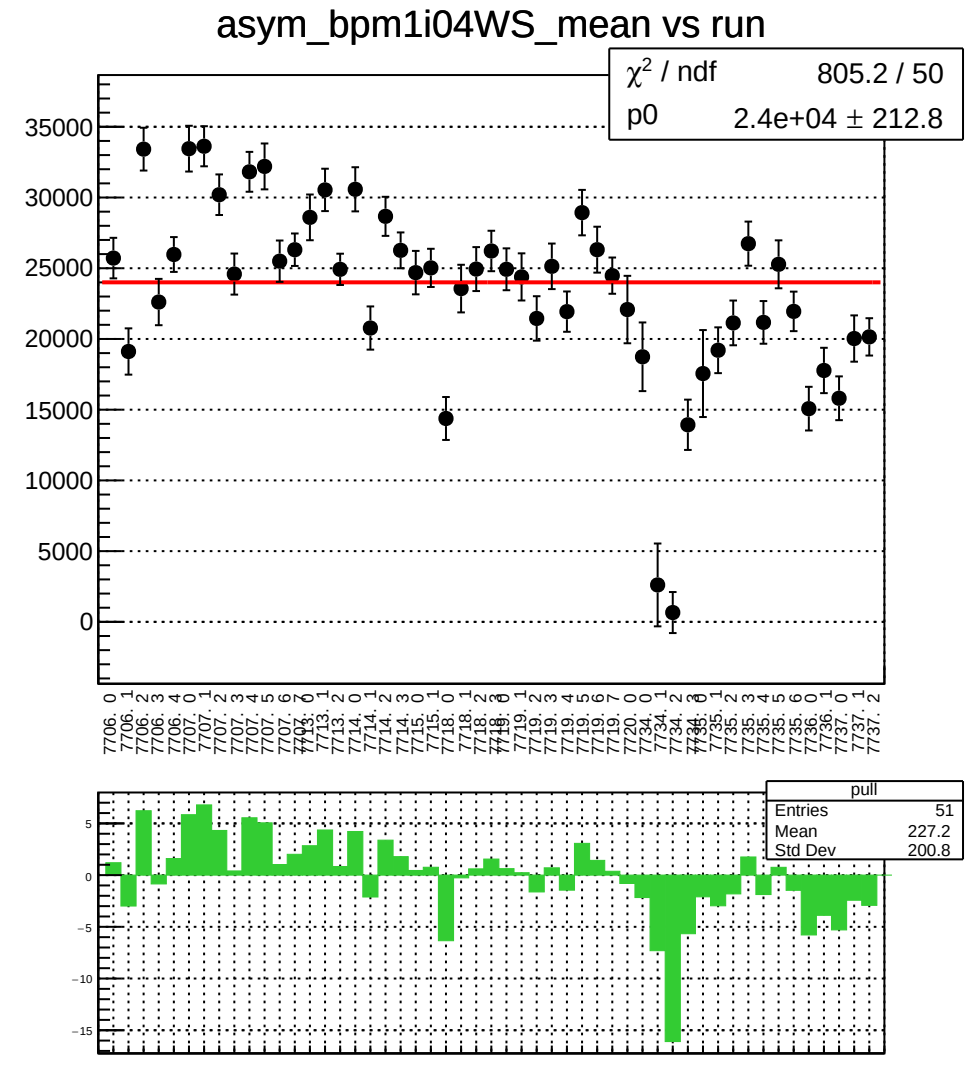
asym_bpm0i07WS_mean vs run
χ² / ndf 265.9 / 50
p0 −9574 ± 426.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean −1147
Std Dev 1171
4
2
0
−2
−4
pull1D
Entries 51
Mean 0.02112
Std Dev 2.283
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

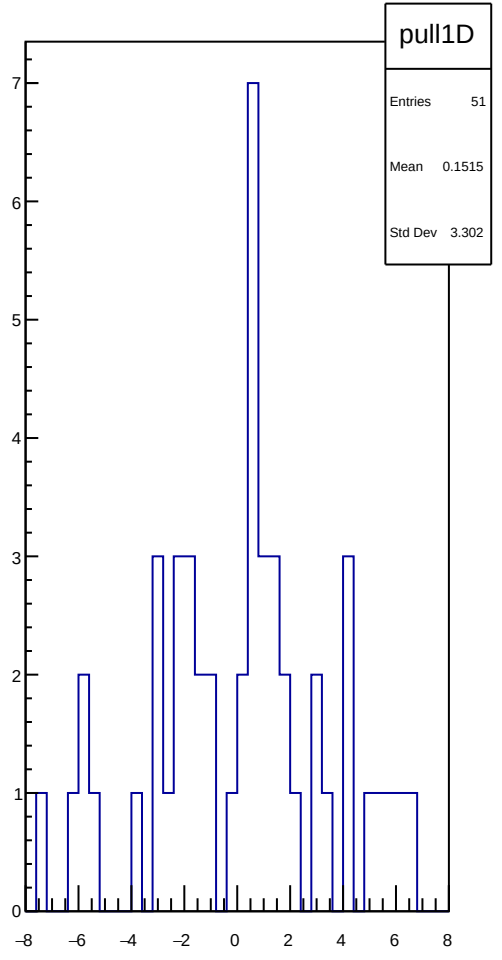

asym_bpm0i07WS_rms vs run
χ² / ndf 5632 / 50
p0 295.2 ± 0.3013
400
380
360
340
320
300
280
260
240
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

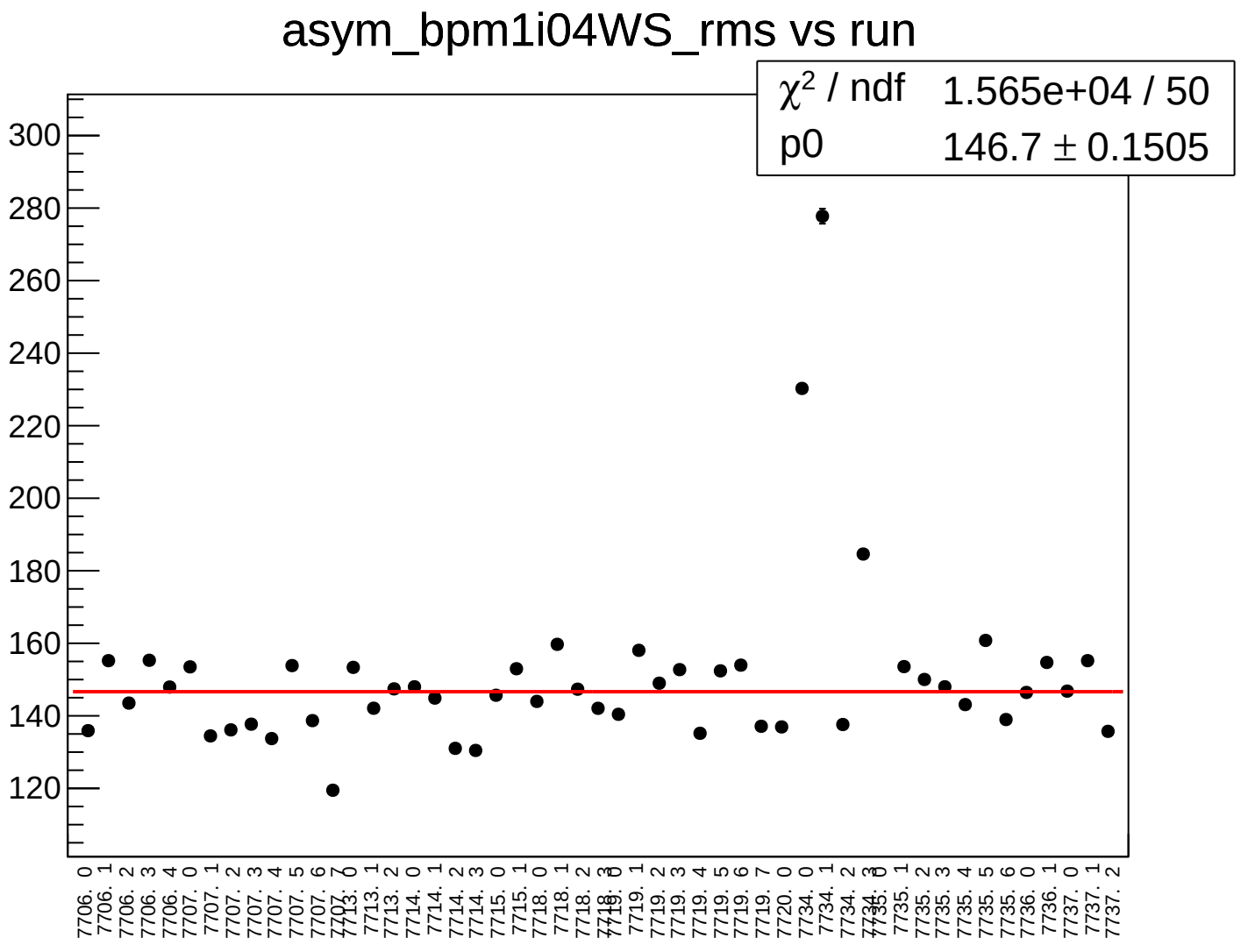

asym_bpm1i02WS_mean vs run
χ² / ndf 828.7 / 50
p0 2.386e+04 ± 204.7
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean 249
Std Dev 222.6
5
0
−5
−10
−15

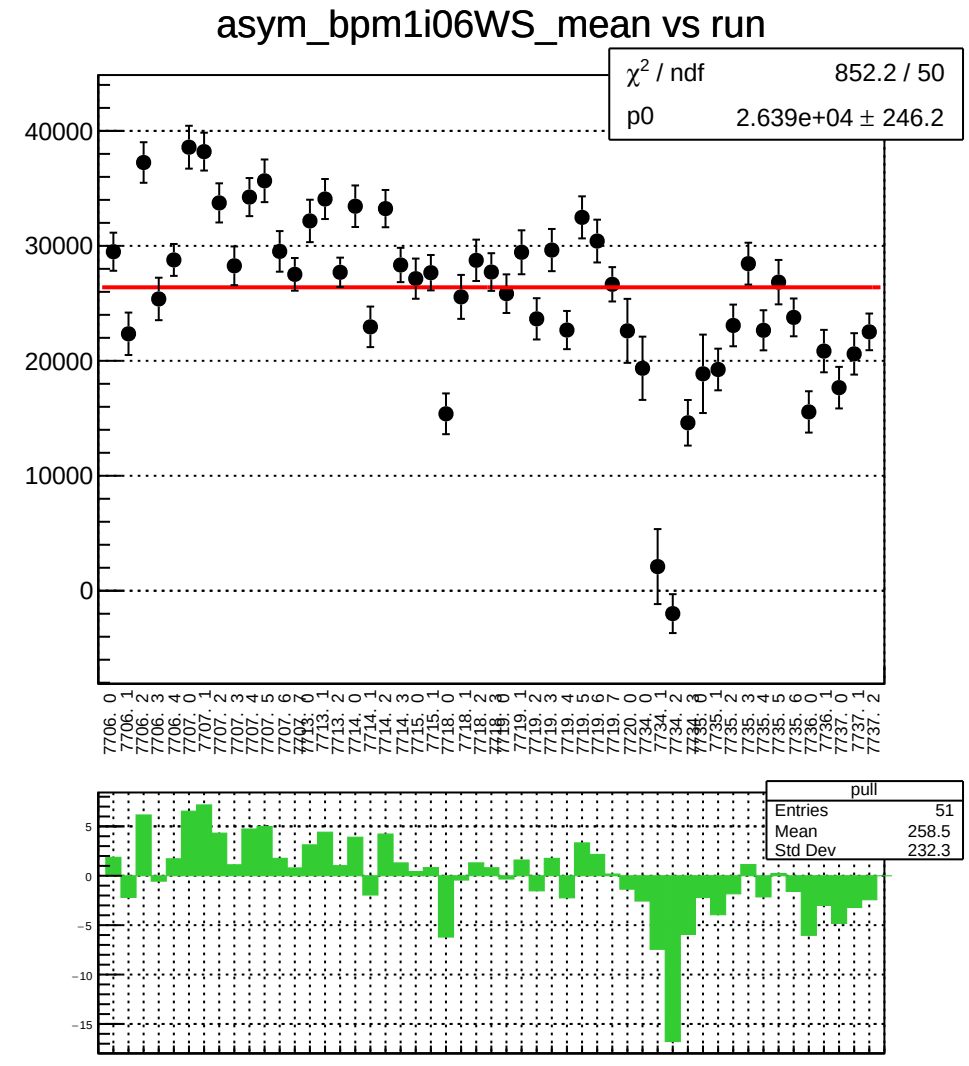

pull1D
Entries 51
Mean 0.1668
Std Dev 3.353
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

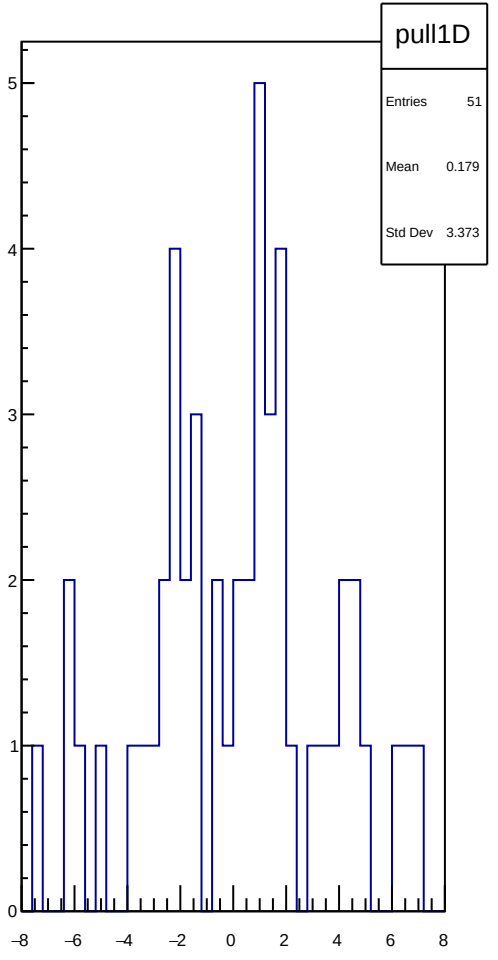

asym_bpm1i02WS_rms vs run
χ² / ndf 1.561e+04 / 50
p0 141.1 ± 0.1448
300
280
260
240
220
200
180
160
140
120
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

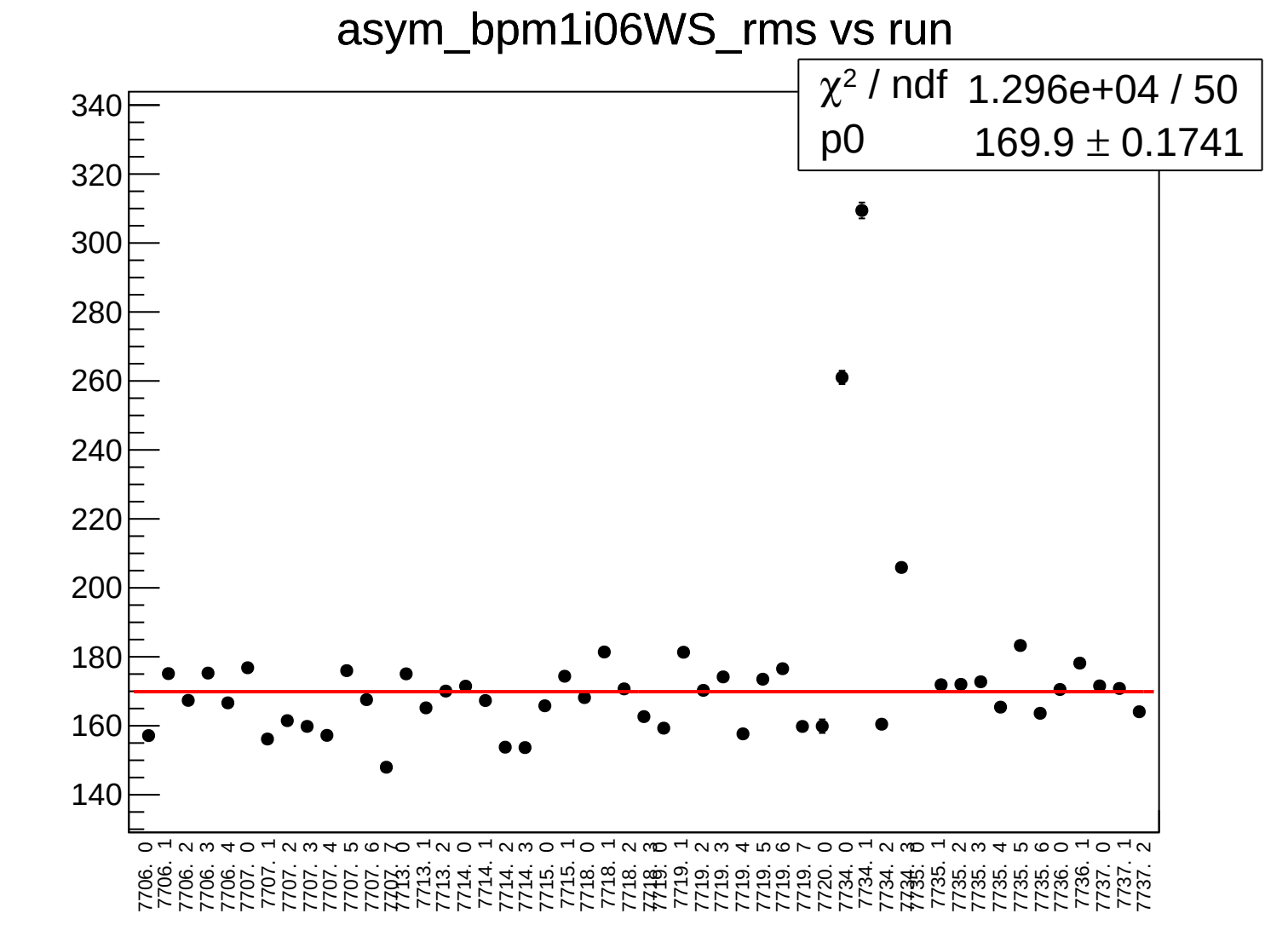

asym_bpm1i04WS_mean vs run
χ² / ndf 805.2 / 50
p0 2.4e+04 ± 212.8
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 51
Mean 227.2
Std Dev 200.8
5
0
−5
−10
−15

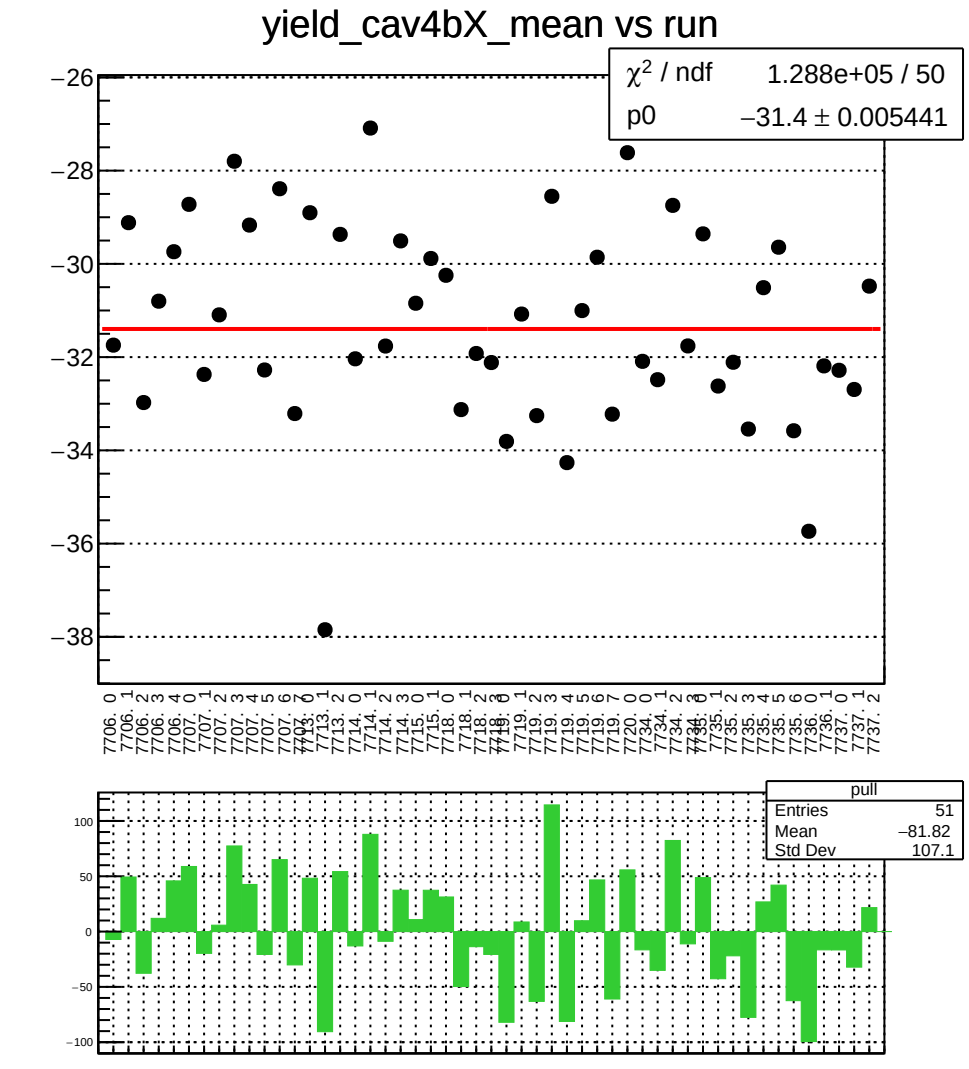

pull1D
Entries 51
Mean 0.1515
Std Dev 3.302
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

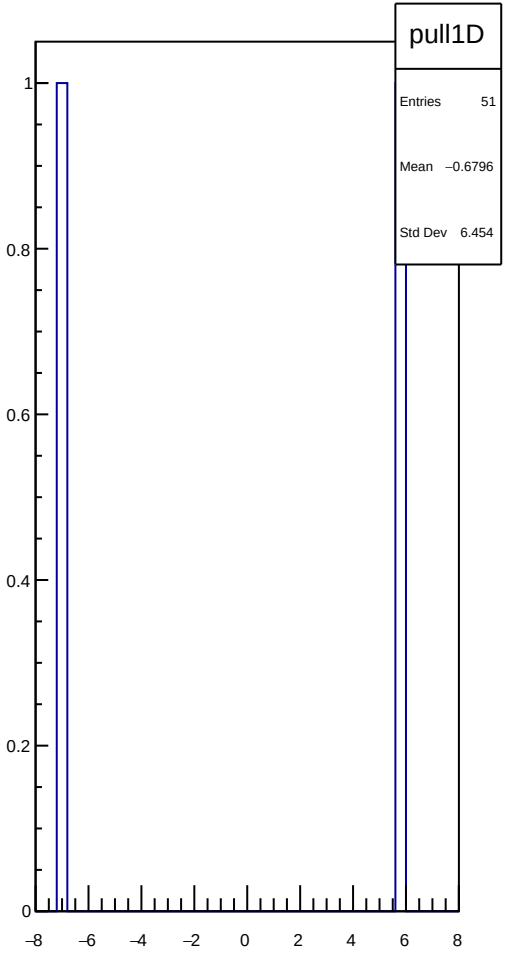

asym_bpm1i04WS_rms vs run
χ² / ndf 1.565e+04 / 50
p0 146.7 ± 0.1505
300
280
260
240
220
200
180
160
140
120
17706. 0
17706. 1
17706. 2
17706. 3
17706. 4
17707. 0
17707. 1
17707. 2
17707. 3
17707. 4
17707. 5
17707. 6
17713. 0
17713. 1
17713. 2
17714. 0
17714. 1
17714. 2
17714. 3
17715. 0
17715. 1
17718. 0
17718. 1
17718. 2
17719. 1
17719. 2
17719. 3
17719. 4
17719. 5
17719. 6
17719. 7
17720. 0
17734. 0
17734. 1
17734. 2
17735. 1
17735. 2
17735. 3
17735. 4
17735. 5
17735. 6
17736. 0
17736. 1
17737. 0
17737. 1
17737. 2

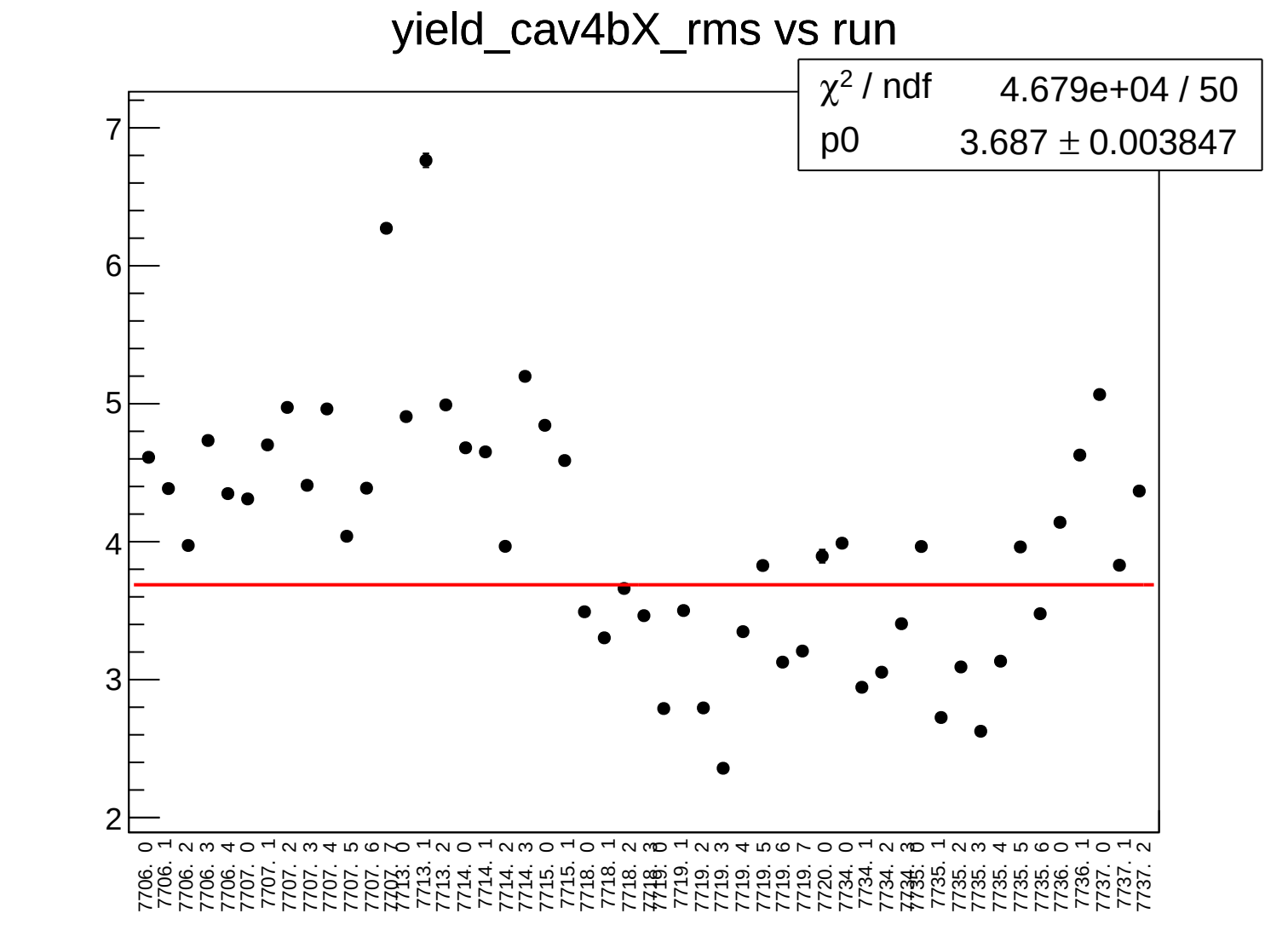

asym_bpm1i06WS_mean vs run
χ² / ndf 852.2 / 50
p0 2.639e+04 ± 246.2
40000
30000
20000
10000
0
pull
Entries 51
Mean 258.5
Std Dev 232.3
5
0
−5
−10
−15

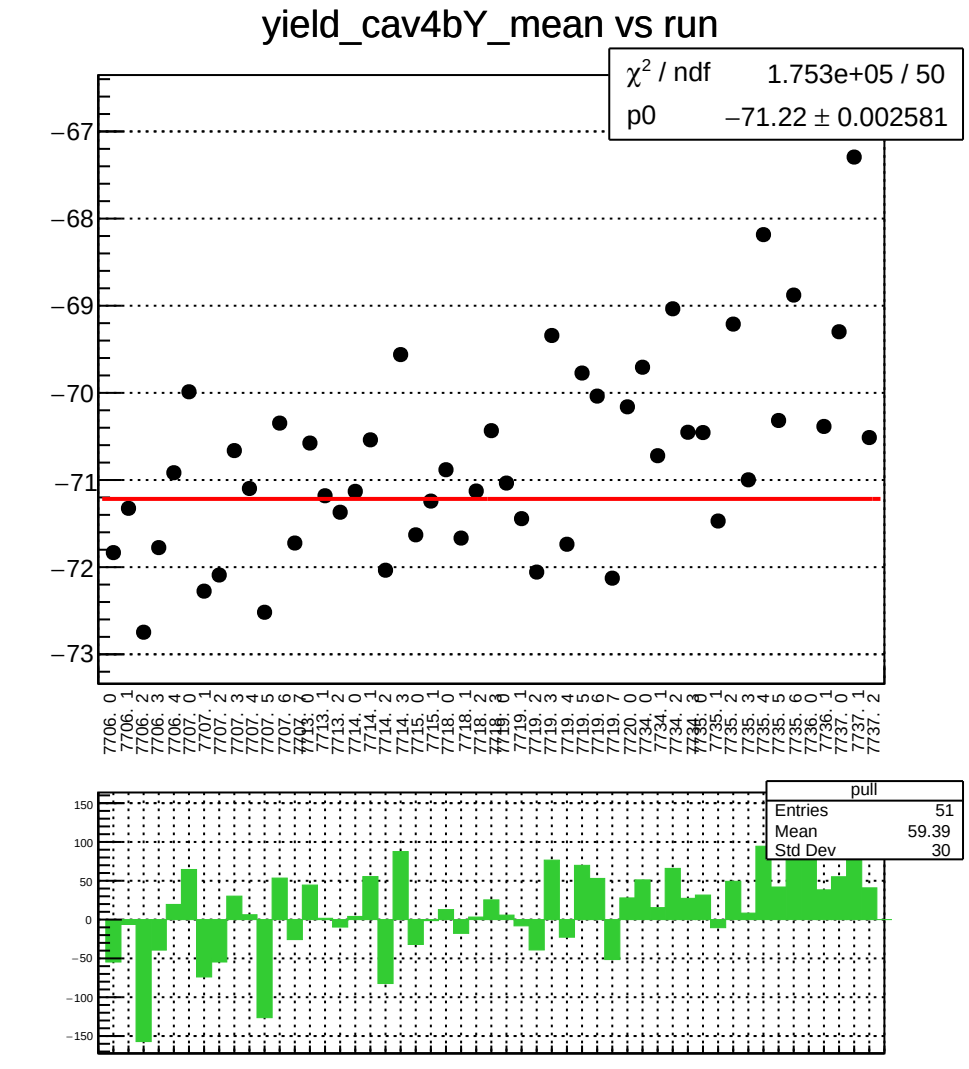

pull1D
Entries 51
Mean 0.179
Std Dev 3.373
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

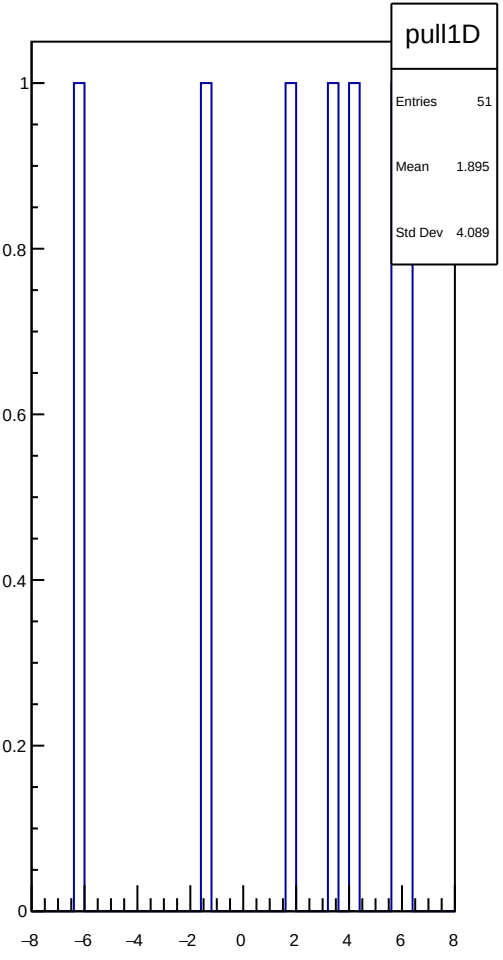

asym_bpm1i06WS_rms vs run
χ² / ndf 1.296e+04 / 50
p0 169.9 ± 0.1741
340
320
300
280
260
240
220
200
180
160
140
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

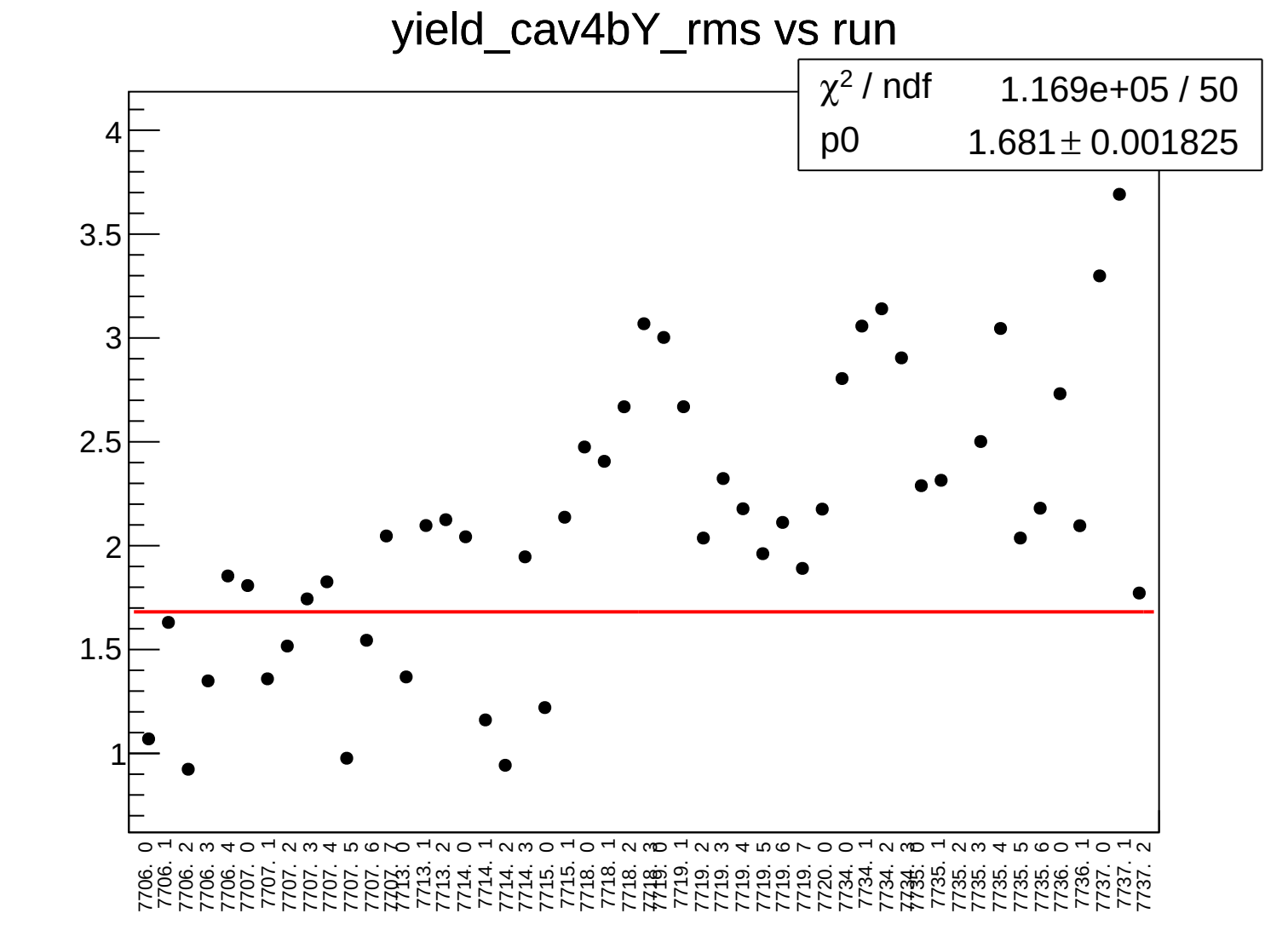

yield_cav4bX_mean vs run
χ² / ndf 1.288e+05 / 50
p0 −31.4 ± 0.005441
−26
−28
−30
−32
−34
−36
−38
pull
Entries 51
Mean −81.82
Std Dev 107.1
100
50
0
−50
−100

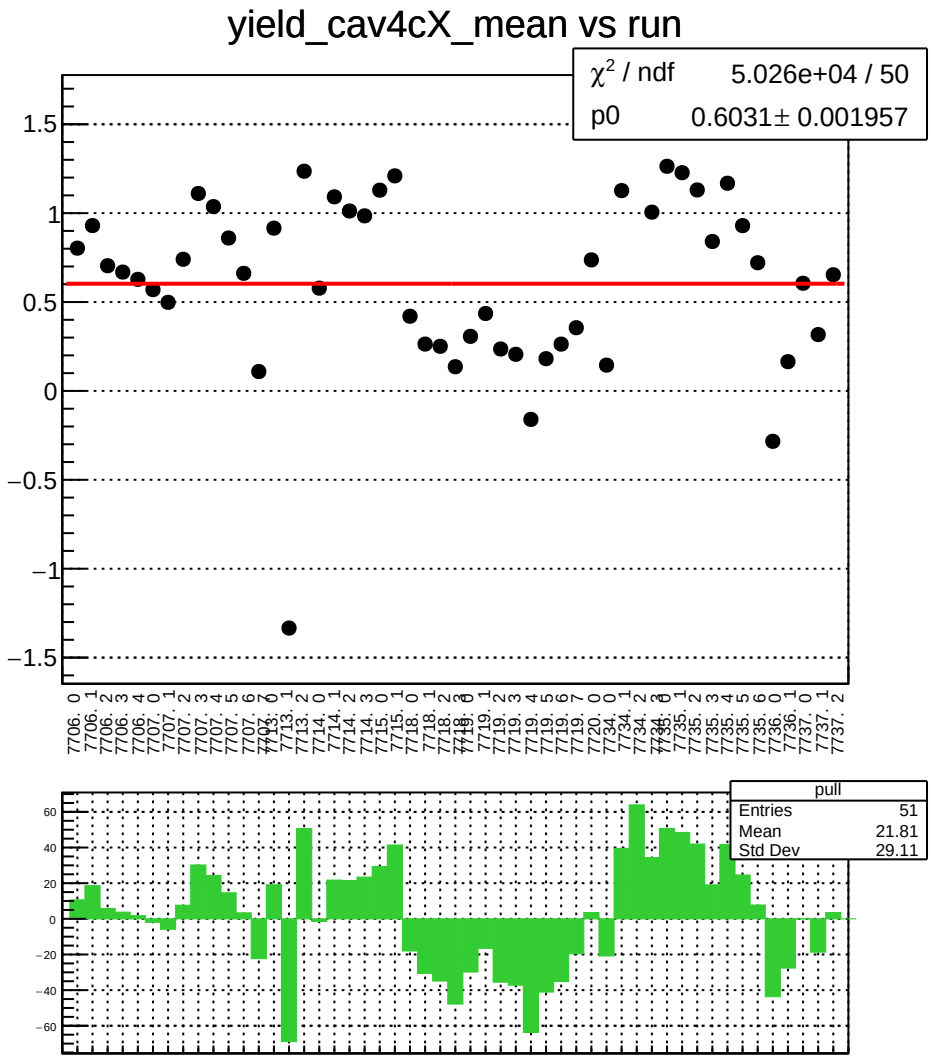

pull1D
Entries 51
Mean −0.6796
Std Dev 6.454
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

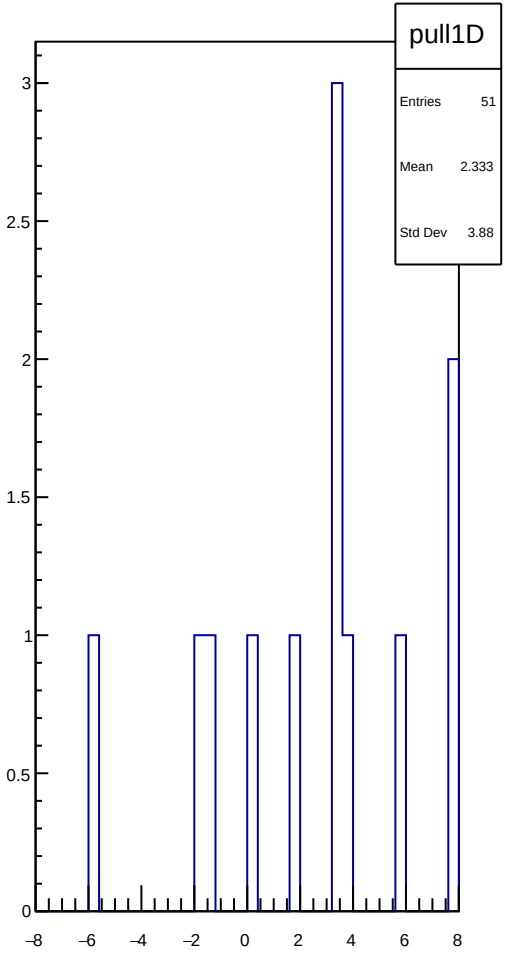

yield_cav4bX_rms vs run
χ^2 / ndf 4.679e+04 / 50
p0 3.687 ± 0.003847
7
6
5
4
3
2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

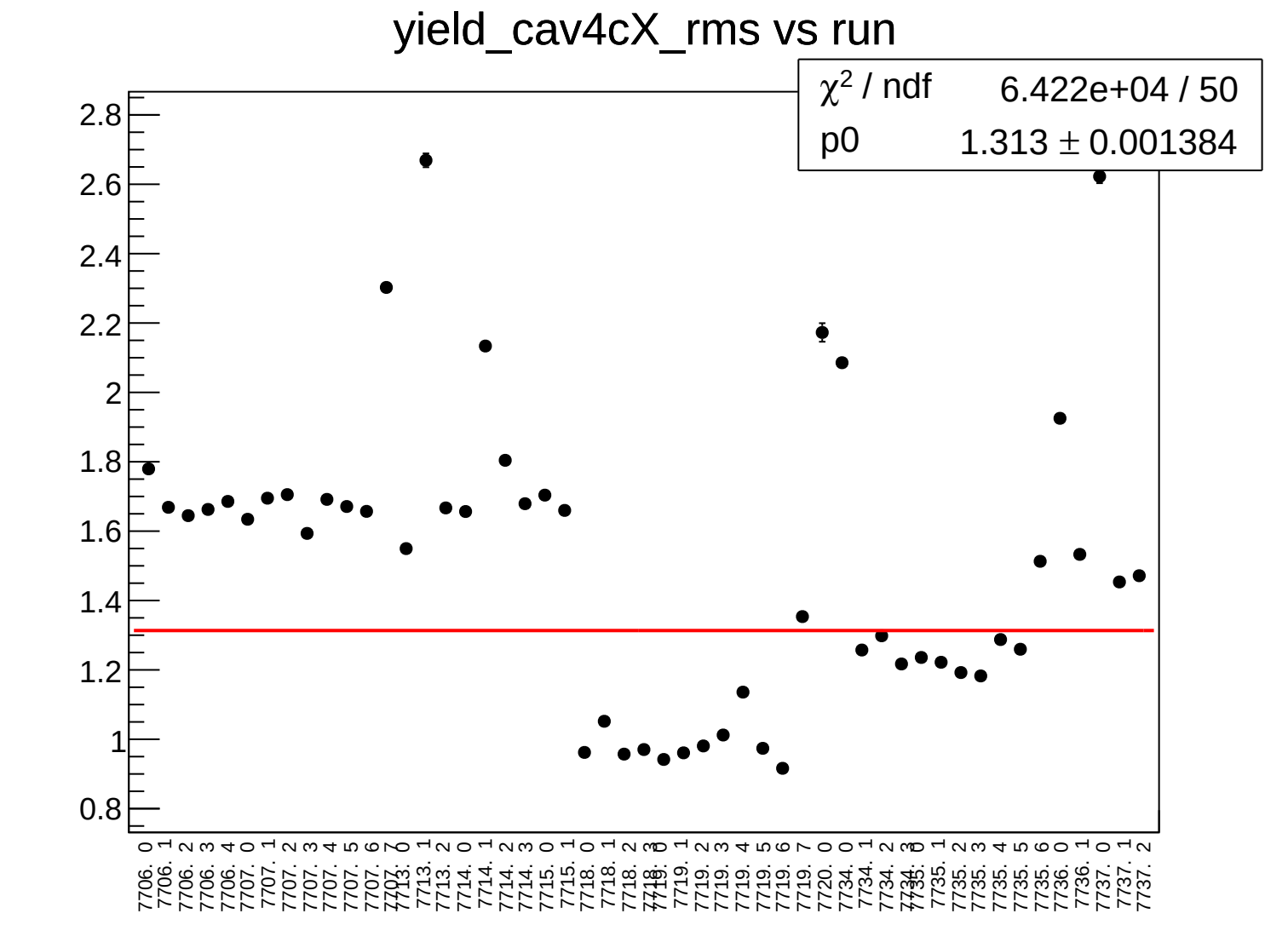

yield_cav4bY_mean vs run
χ² / ndf 1.753e+05 / 50
p0 −71.22 ± 0.002581
pull
Entries 51
Mean 59.39
Std Dev 30

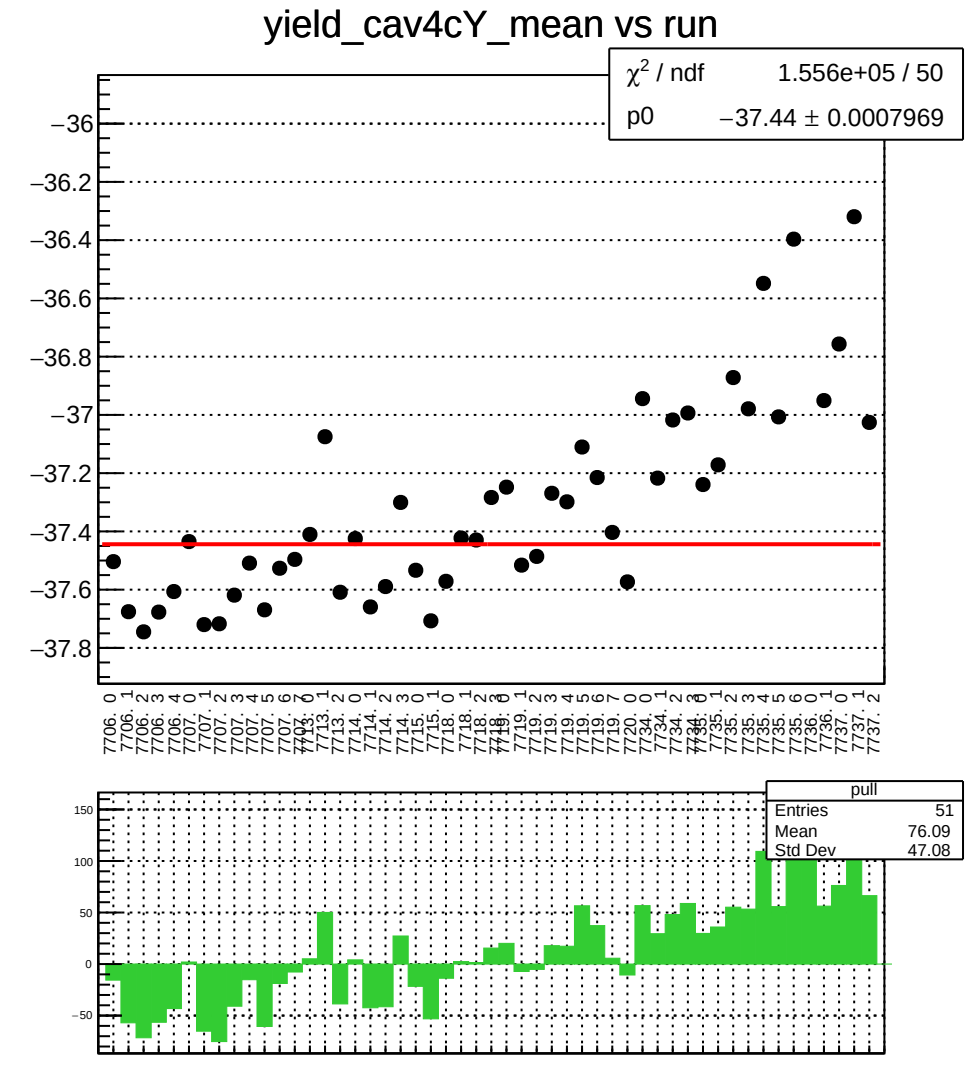

pull1D
Entries 51
Mean 1.895
Std Dev 4.089

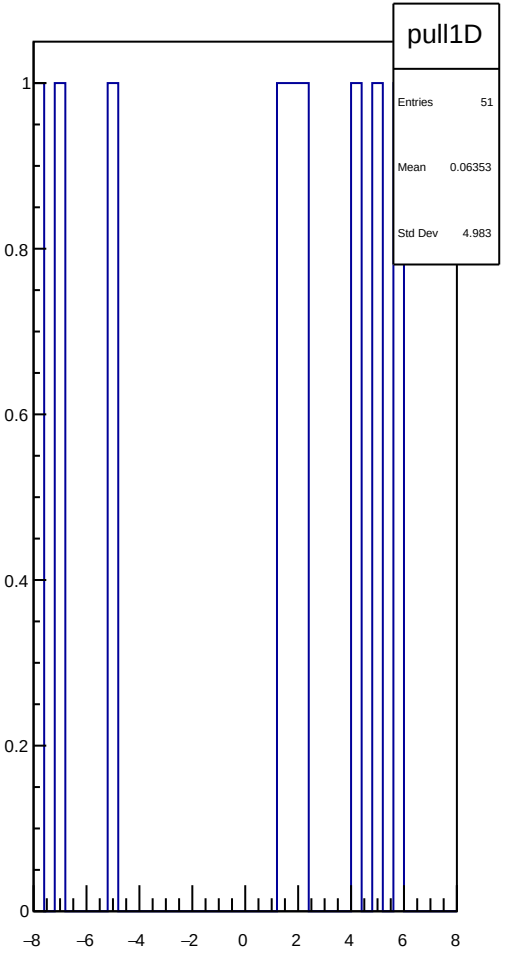

yield_cav4bY_rms vs run
χ² / ndf 1.169e+05 / 50
p0 1.681 ± 0.001825
4
3.5
3
2.5
2
1.5
1
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

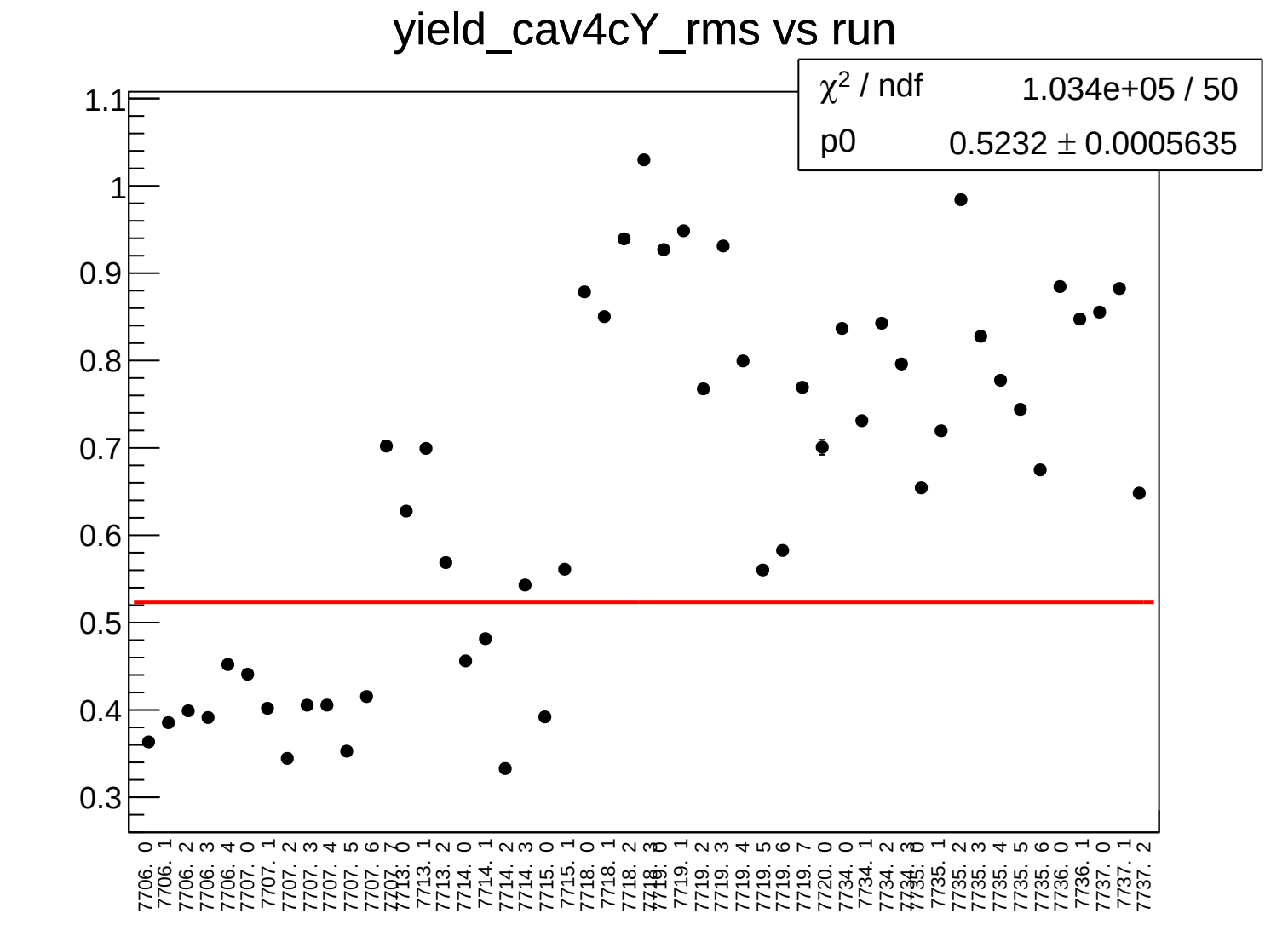

yield_cav4cX_mean vs run
χ² / ndf 5.026e+04 / 50
p0 0.6031± 0.001957
pull
Entries 51
Mean 21.81
Std Dev 29.11

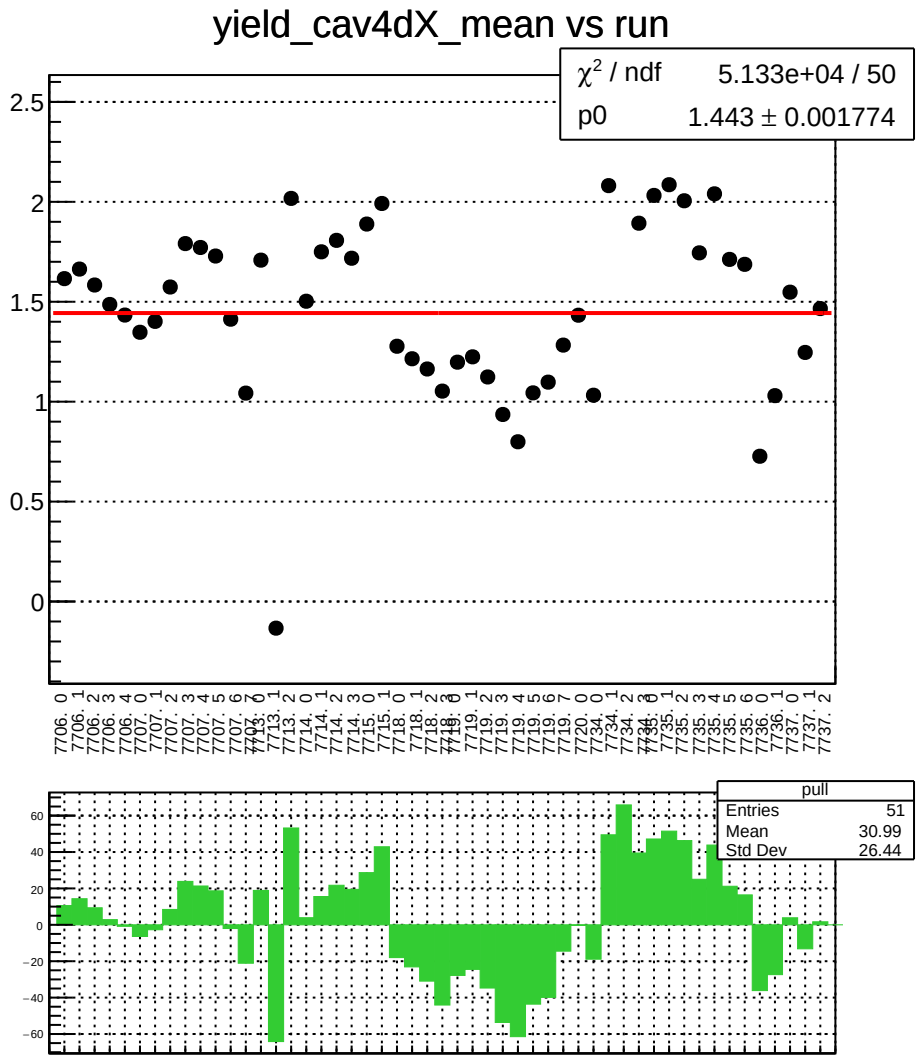

pull1D
Entries 51
Mean 2.333
Std Dev 3.88

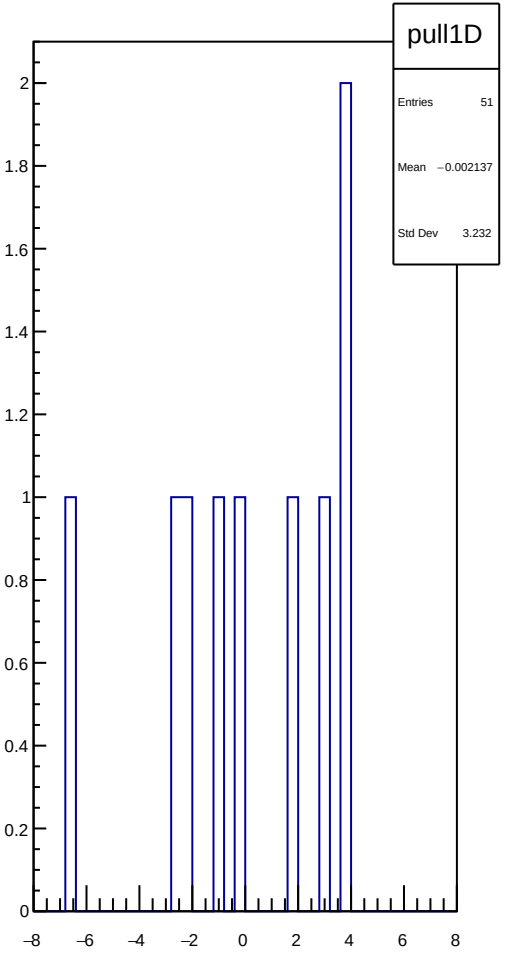

yield_cav4cX_rms vs run
χ^2 / ndf 6.422e+04 / 50
p0 1.313 ± 0.001384
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

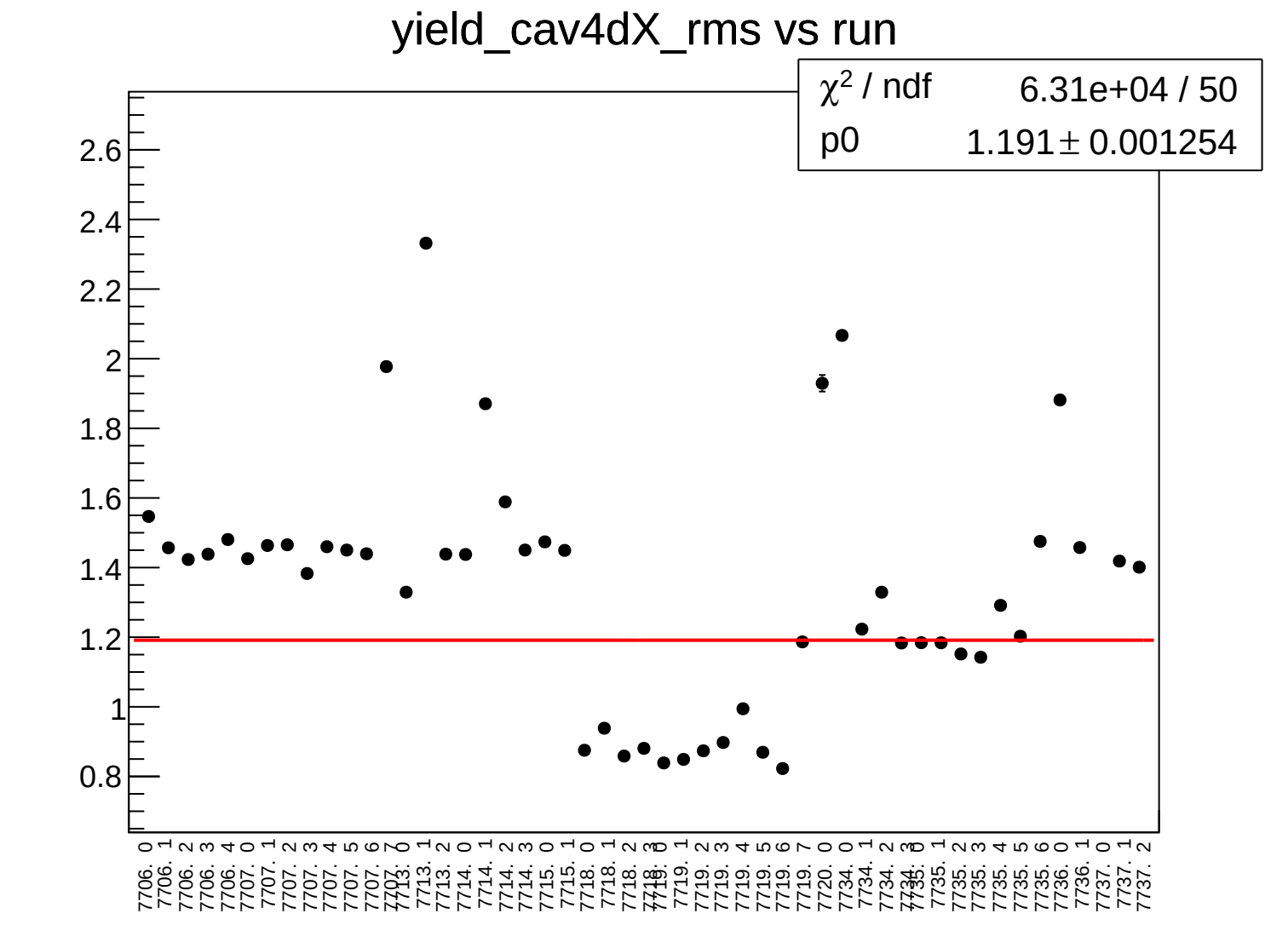

yield_cav4cY_mean vs run
χ² / ndf 1.556e+05 / 50
p0 −37.44 ± 0.0007969
−36
−36.2
−36.4
−36.6
−36.8
−37
−37.2
−37.4
−37.6
−37.8
pull
Entries 51
Mean 76.09
Std Dev 47.08
150
100
50
0
−50

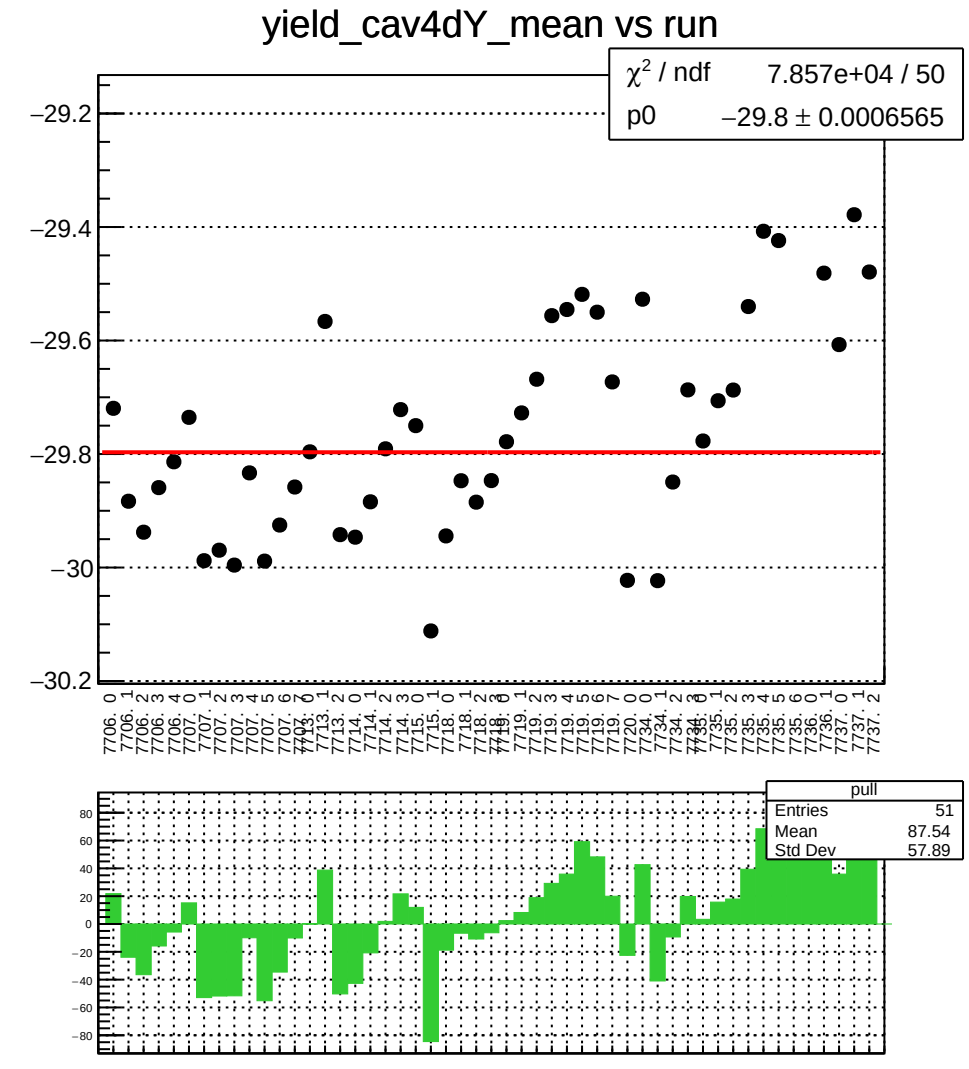

pull1D
Entries 51
Mean 0.06353
Std Dev 4.983
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

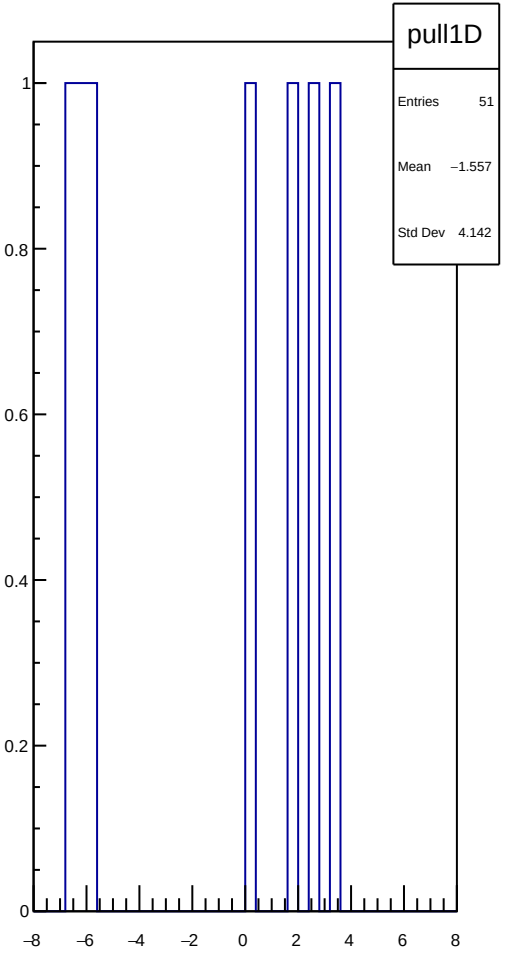

yield_cav4cY_rms vs run
χ² / ndf 1.034e+05 / 50
p0 0.5232 ± 0.0005635
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

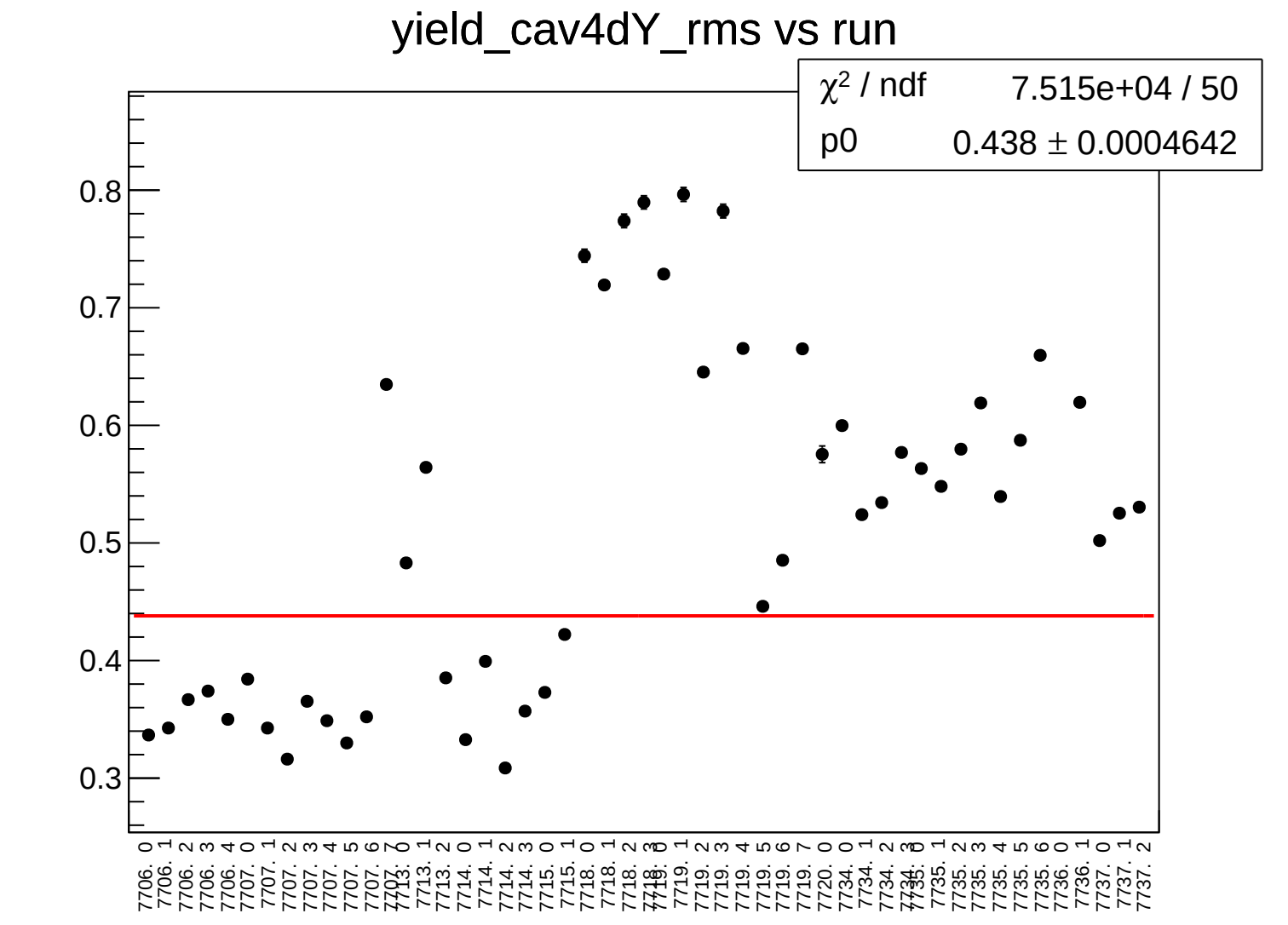

yield_cav4dX_mean vs run
χ² / ndf 5.133e+04 / 50
p0 1.443 ± 0.001774
pull
Entries 51
Mean 30.99
Std Dev 26.44

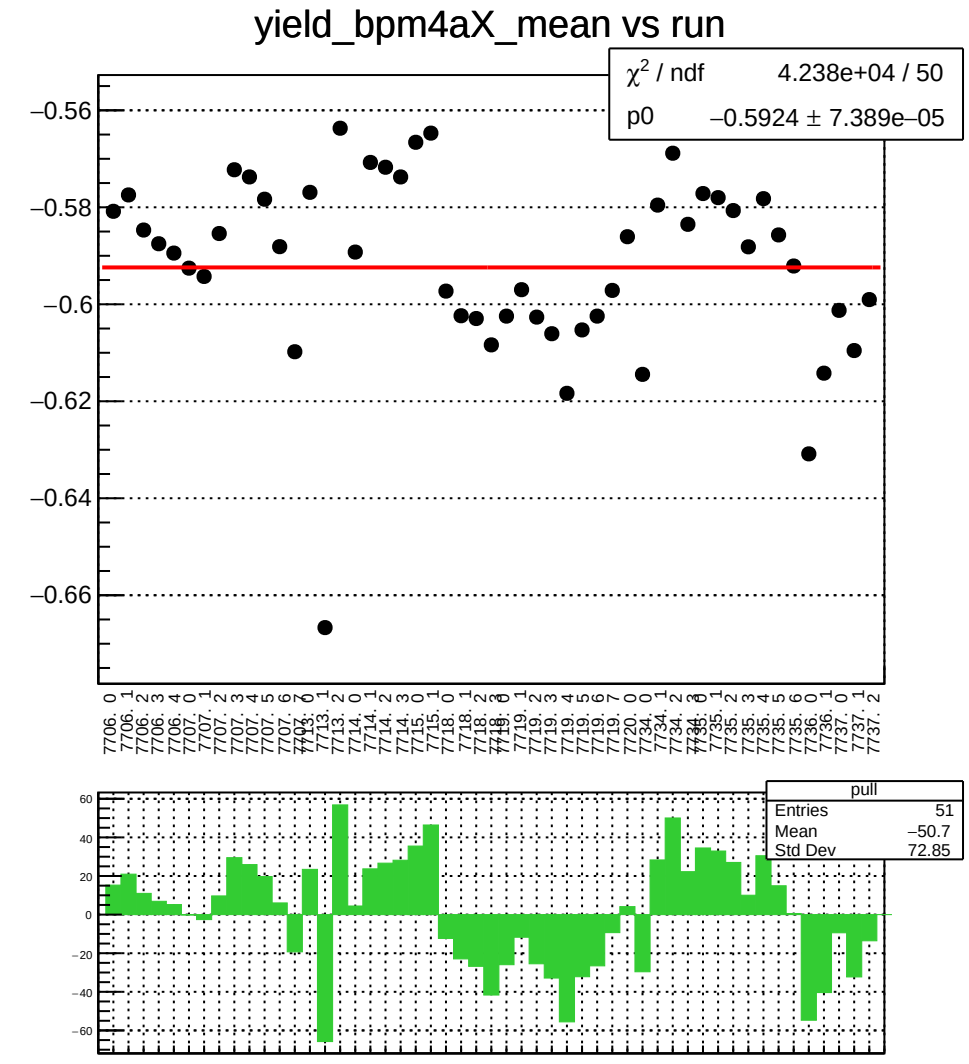

pull1D
Entries 51
Mean −0.002137
Std Dev 3.232

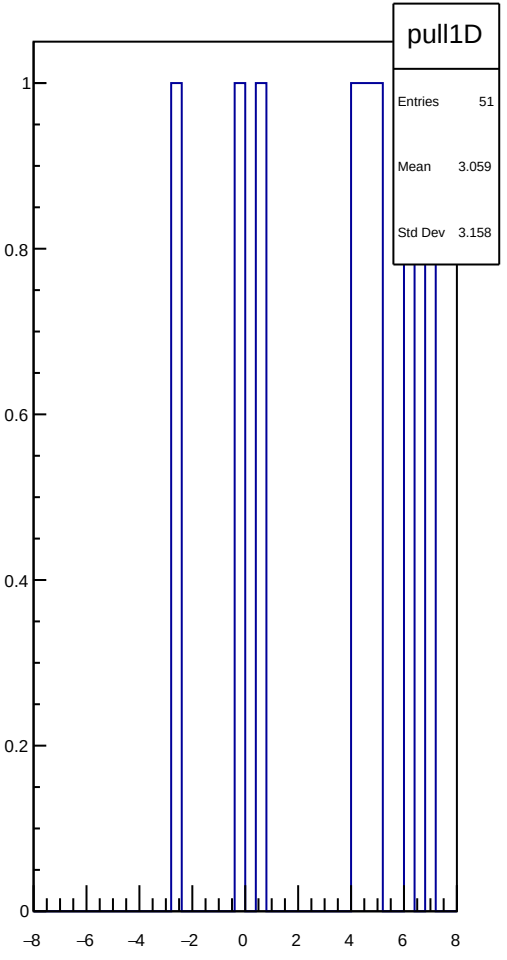

yield_cav4dX_rms vs run
χ^2 / ndf 6.31e+04 / 50
p0 1.191 ± 0.001254
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

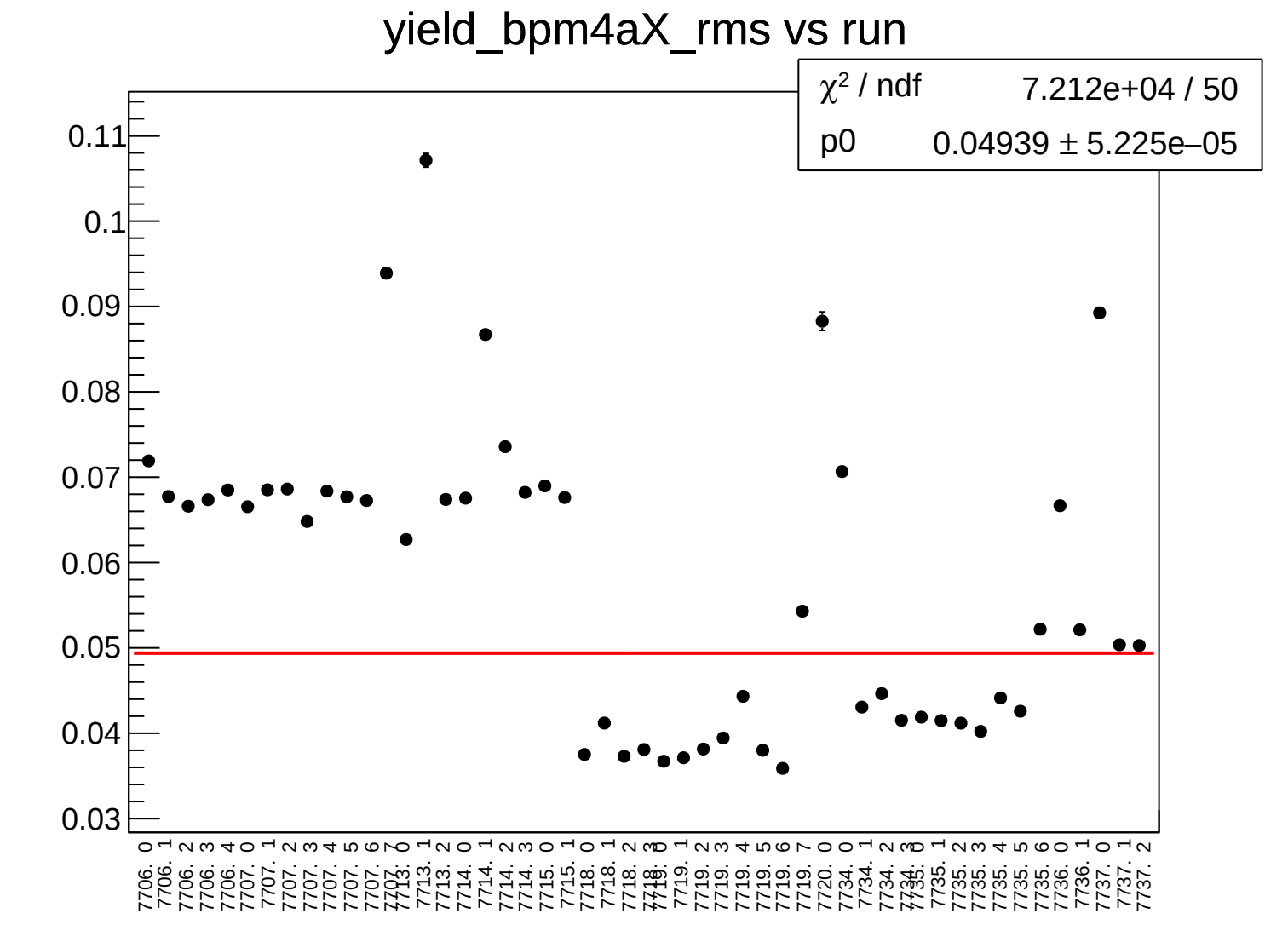

yield_cav4dY_mean vs run
χ² / ndf 7.857e+04 / 50
p0 −29.8 ± 0.0006565
−29.2
−29.4
−29.6
−29.8
−30
−30.2
pull
Entries 51
Mean 87.54
Std Dev 57.89
80
60
40
20
0
−20
−40
−60
−80

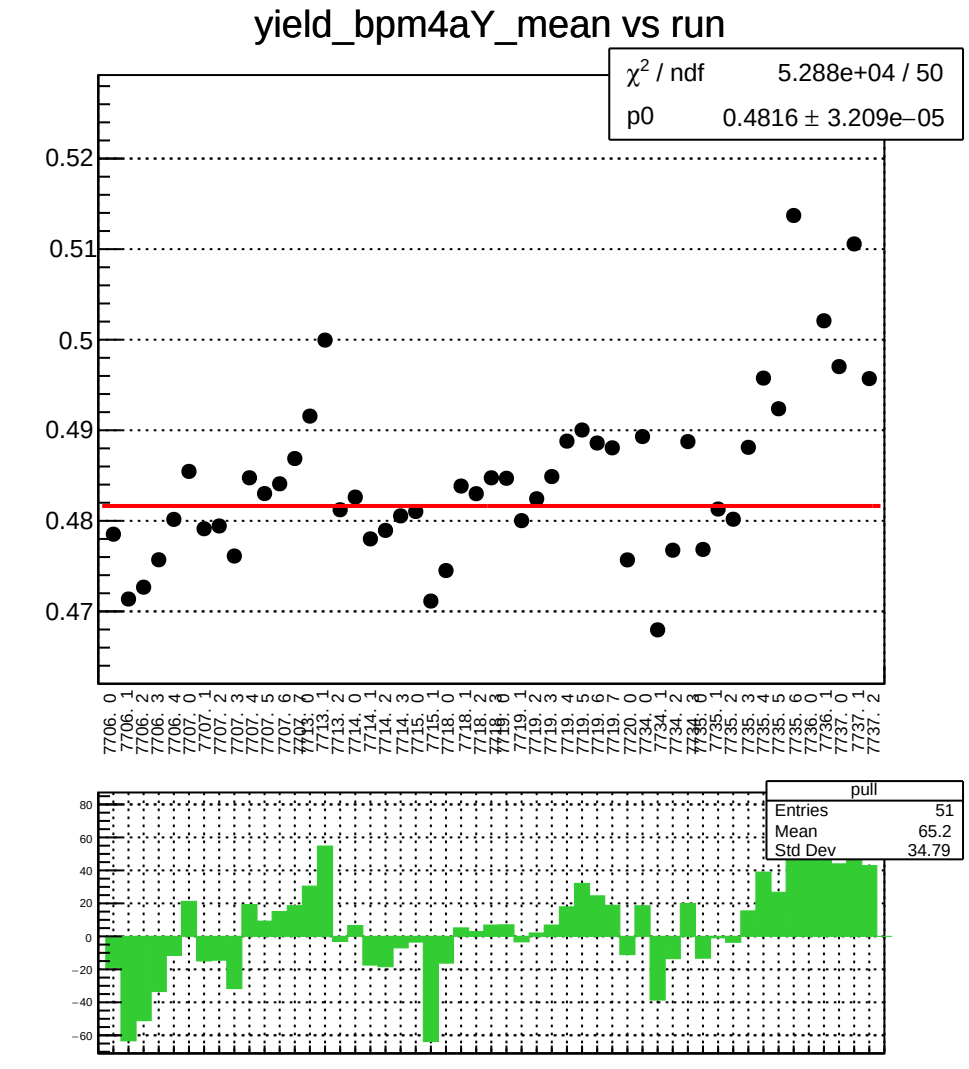

pull1D
Entries 51
Mean −1.557
Std Dev 4.142
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

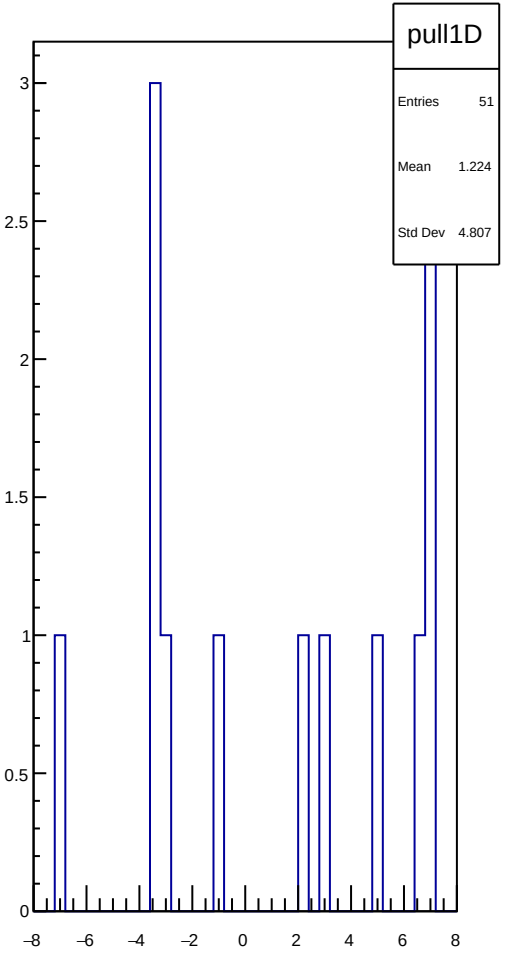

yield_cav4dY_rms vs run
χ² / ndf 7.515e+04 / 50
p0 0.438 ± 0.0004642
0.8
0.7
0.6
0.5
0.4
0.3
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

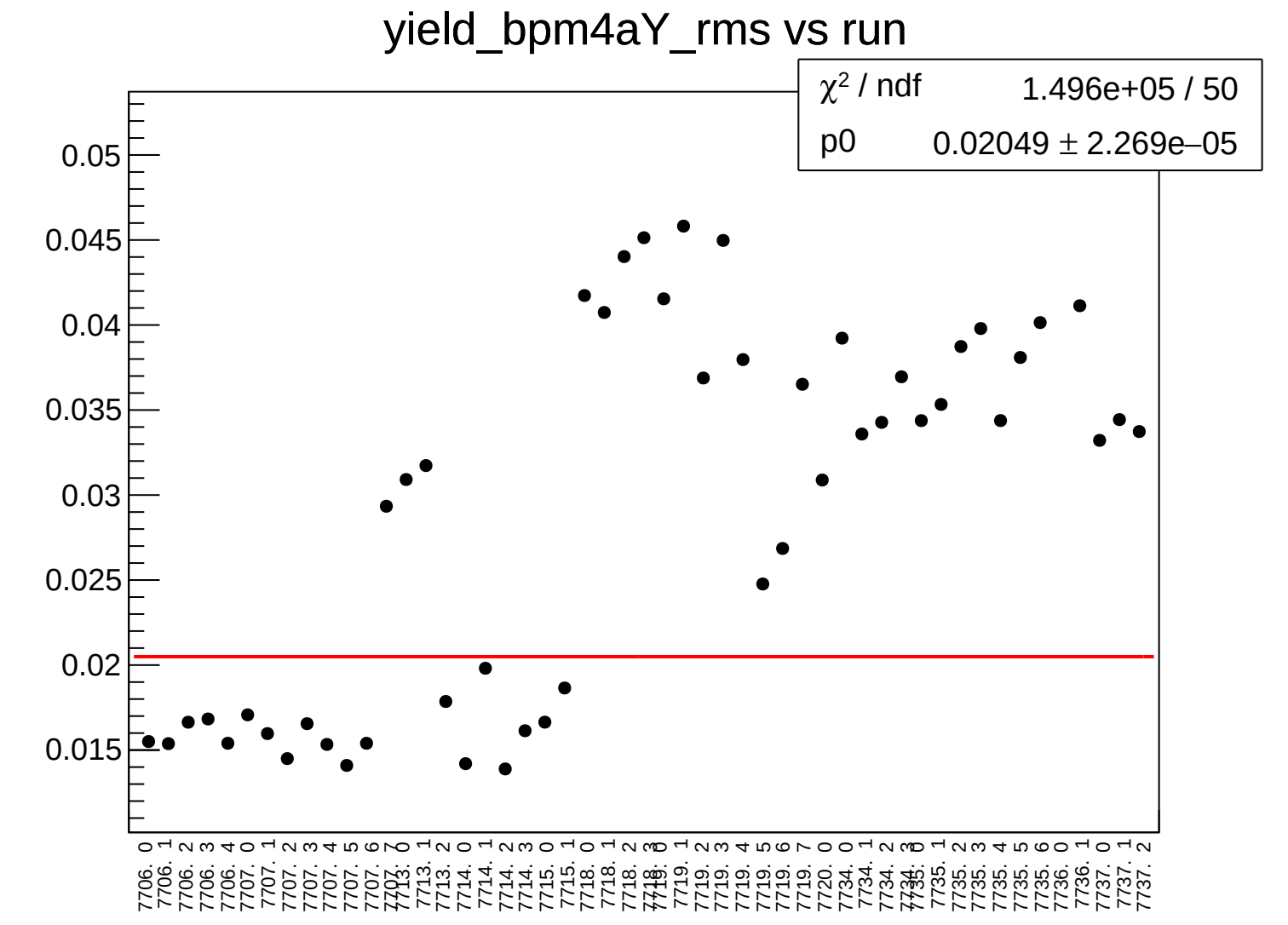

yield_bpm4aX_mean vs run
χ² / ndf 4.238e+04 / 50
p0 −0.5924 ± 7.389e−05
−0.56
−0.58
−0.6
−0.62
−0.64
−0.66
pull
Entries 51
Mean −50.7
Std Dev 72.85
60
40
20
0
−20
−40
−60

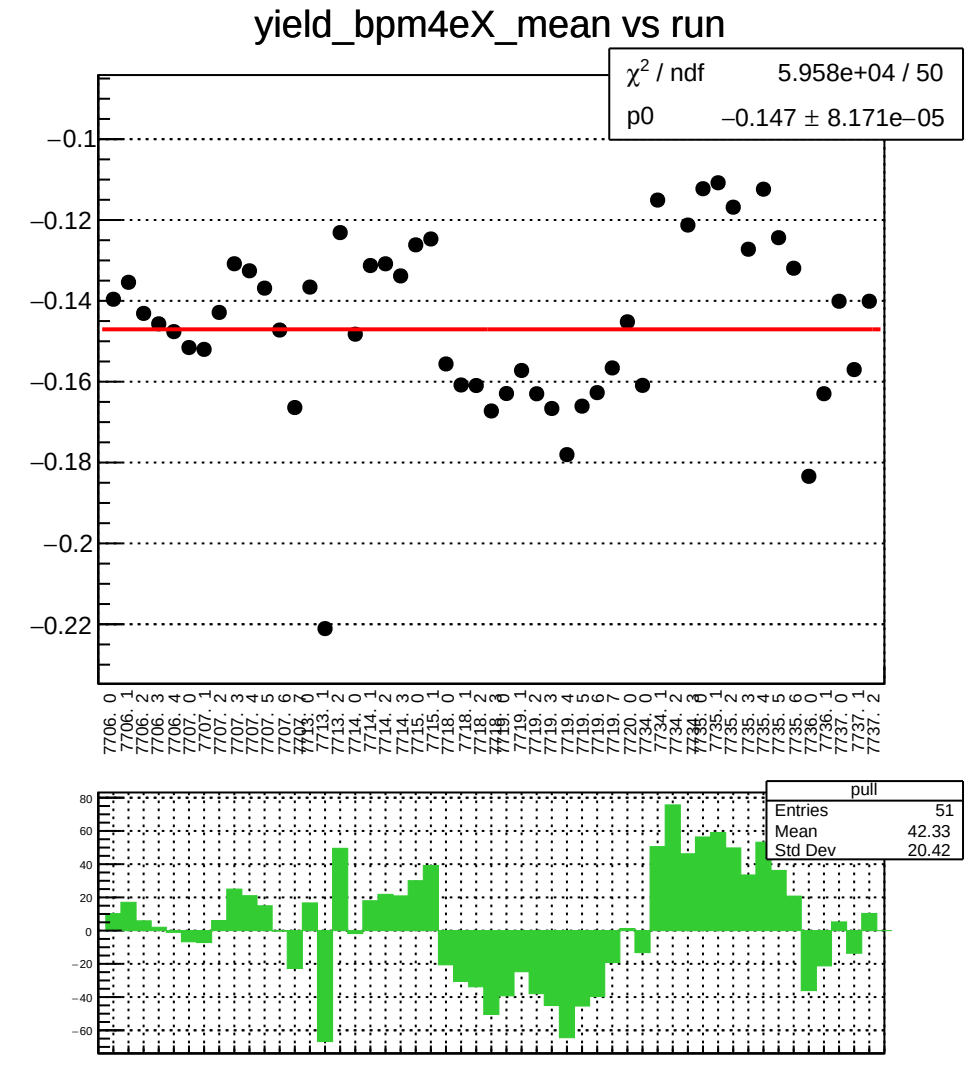

pull1D
Entries 51
Mean 3.059
Std Dev 3.158
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

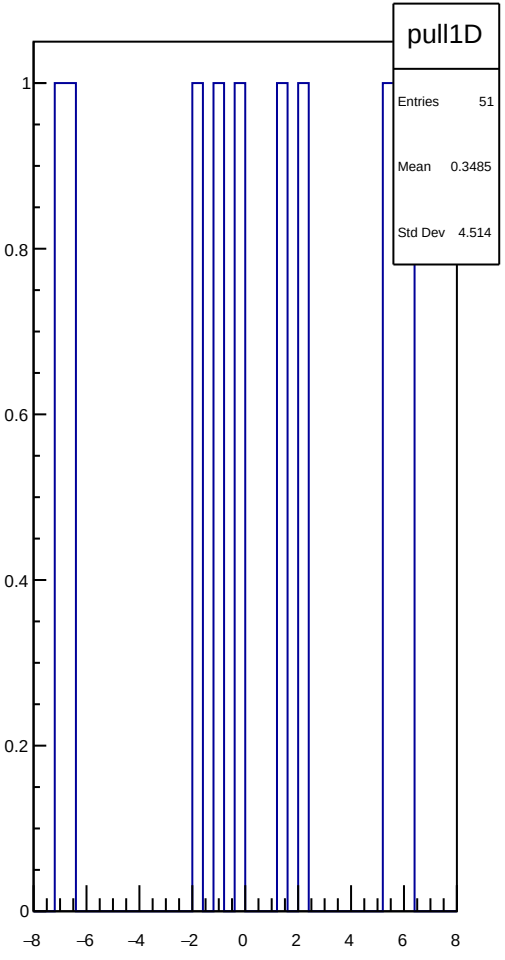

yield_bpm4aX_rms vs run
χ² / ndf 7.212e+04 / 50
p0 0.04939 ± 5.225e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

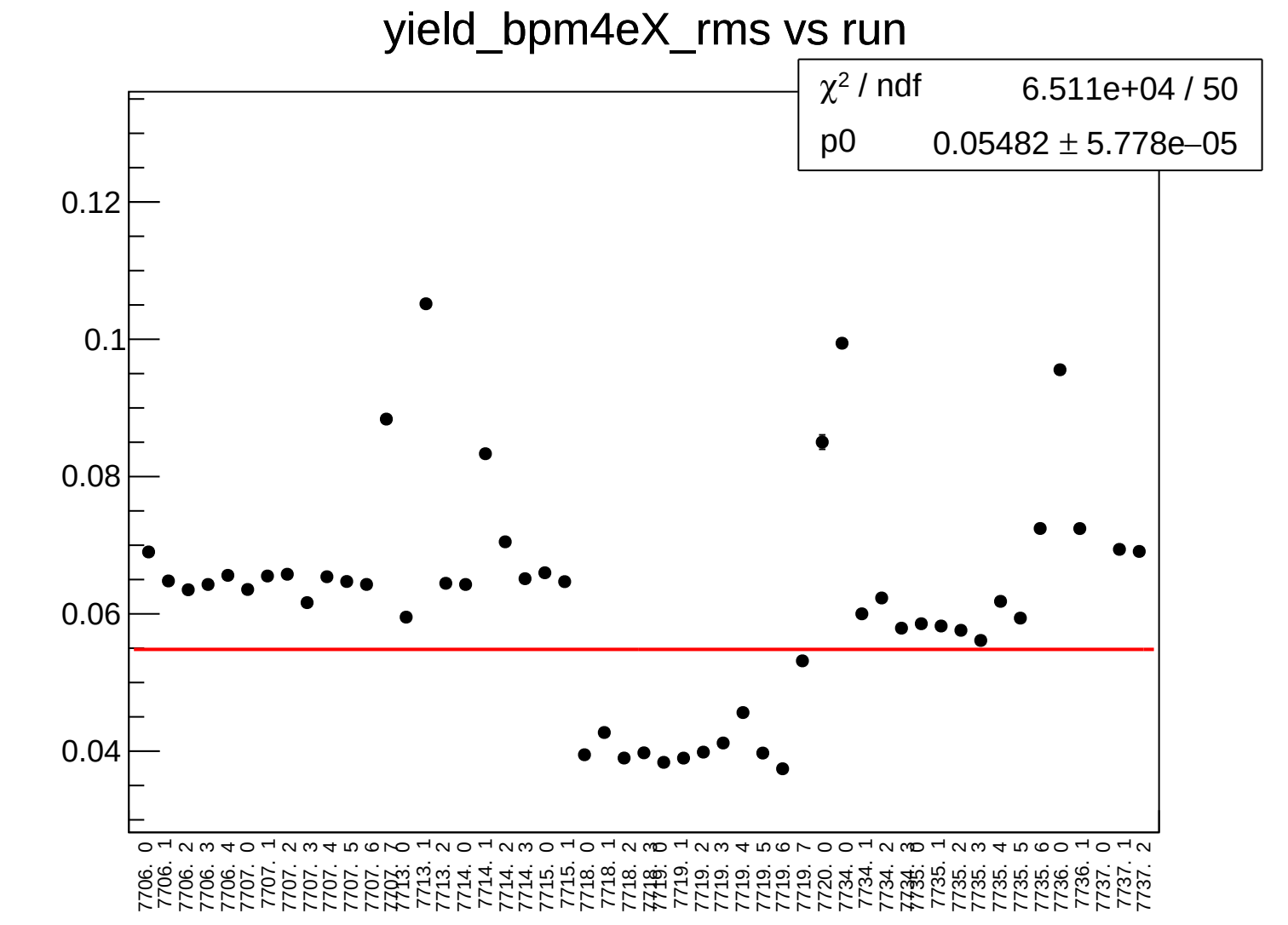

yield_bpm4aY_mean vs run
χ² / ndf 5.288e+04 / 50
p0 0.4816 ± 3.209e−05
0.52
0.51
0.5
0.49
0.48
0.47
pull
Entries 51
Mean 65.2
Std Dev 34.79
80
60
40
20
0
−20
−40
−60

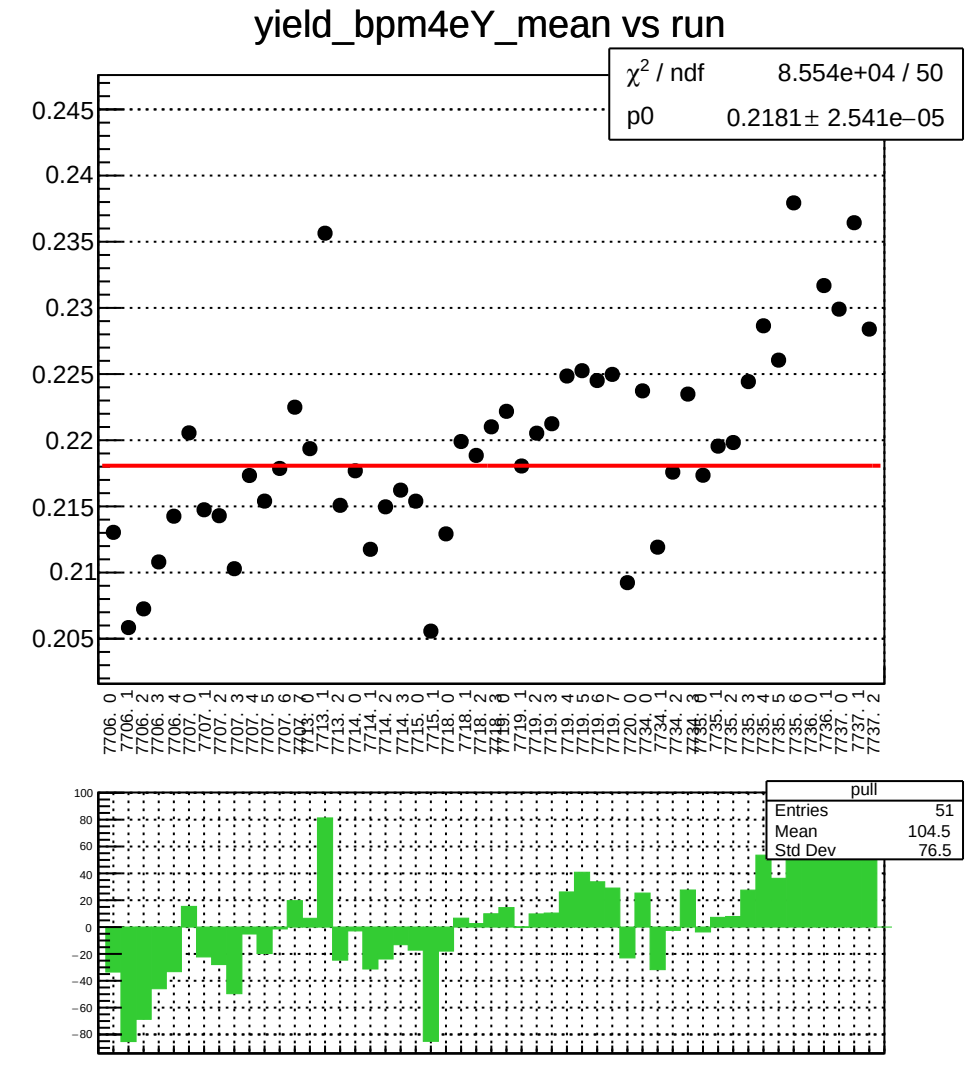

pull1D
Entries 51
Mean 1.224
Std Dev 4.807
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

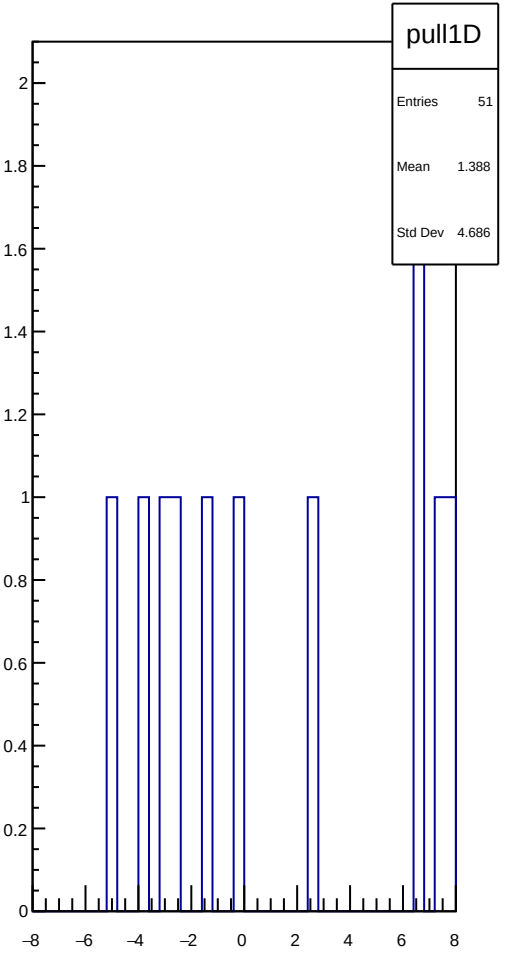

yield_bpm4aY_rms vs run
χ² / ndf 1.496e+05 / 50
p0 0.02049 ± 2.269e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

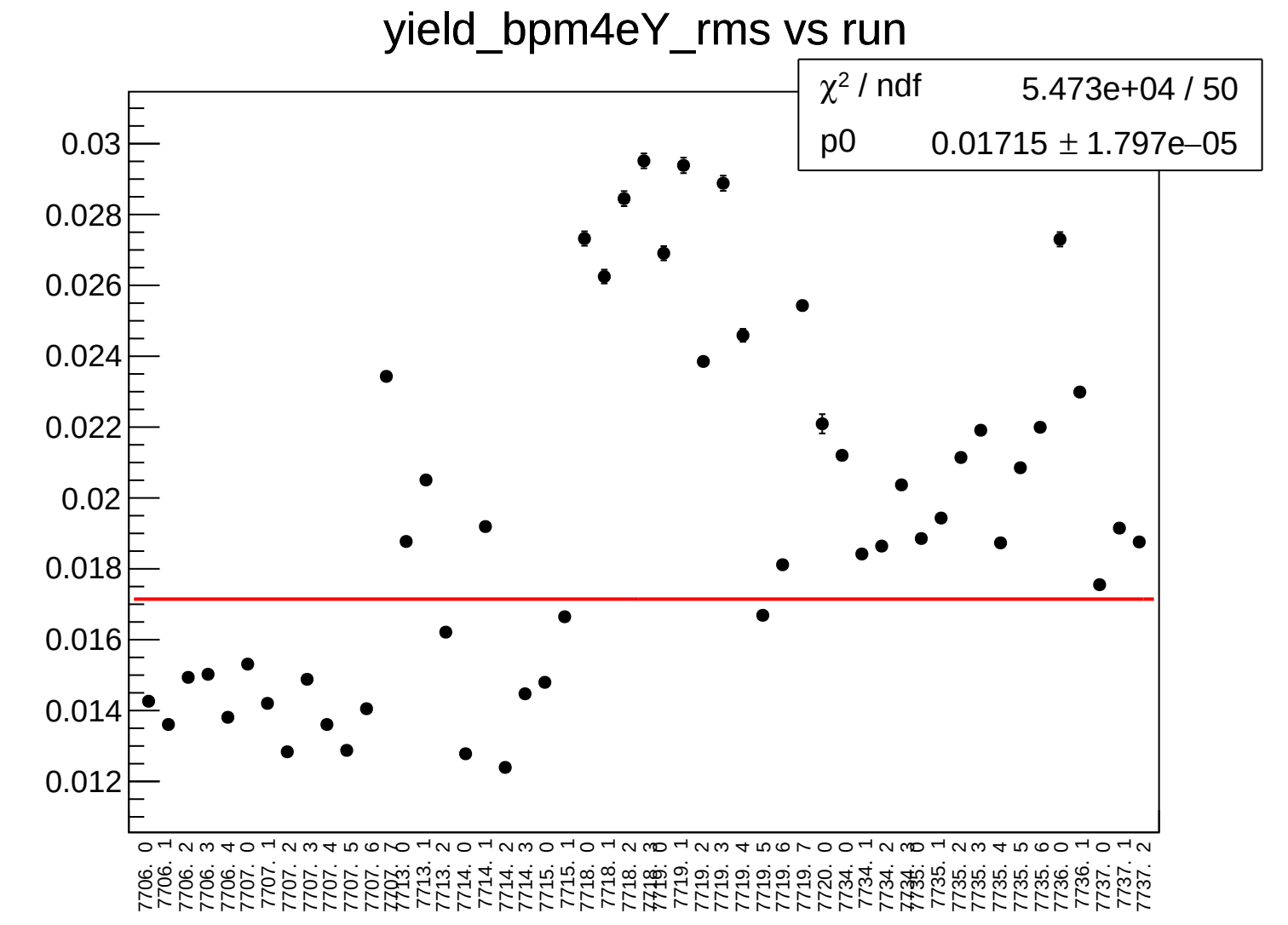

yield_bpm4eX_mean vs run
χ² / ndf 5.958e+04 / 50
p0 −0.147 ± 8.171e−05
pull
Entries 51
Mean 42.33
Std Dev 20.42

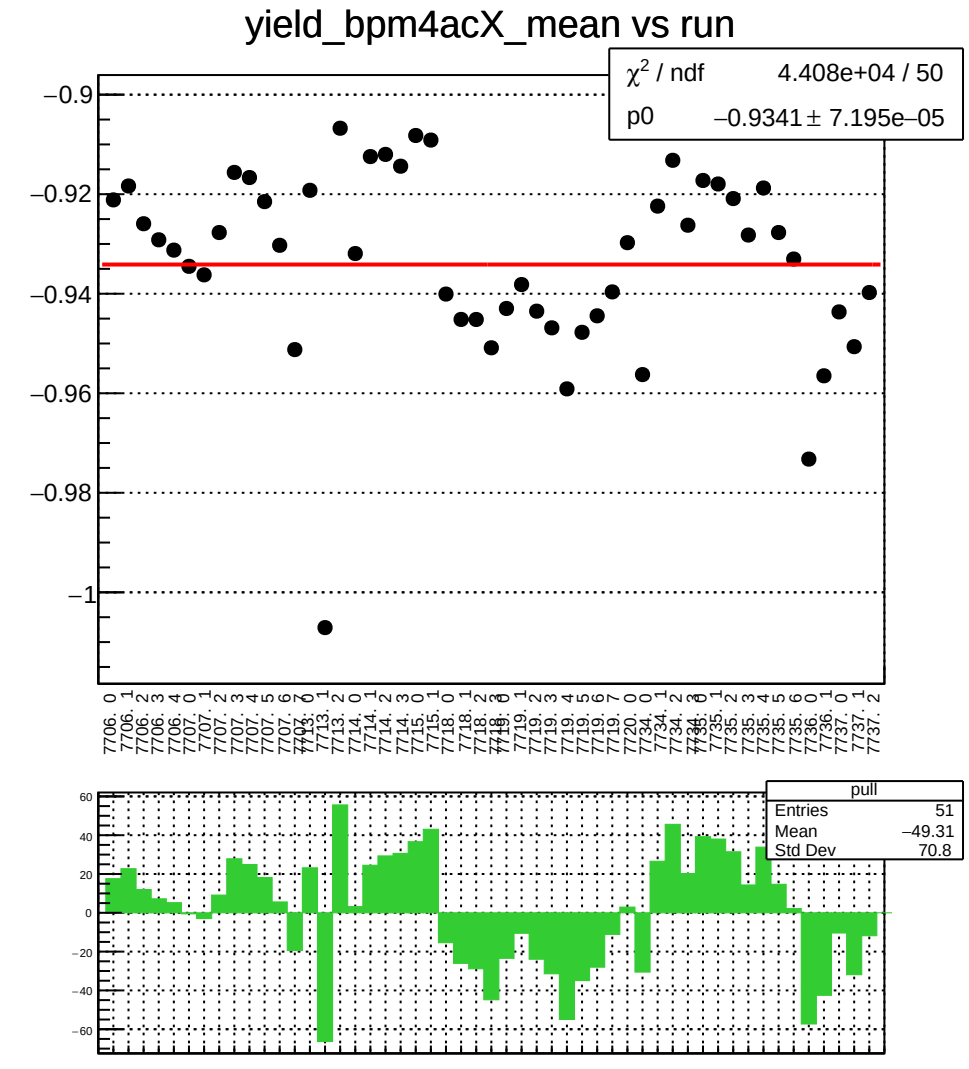

pull1D
Entries 51
Mean 0.3485
Std Dev 4.514

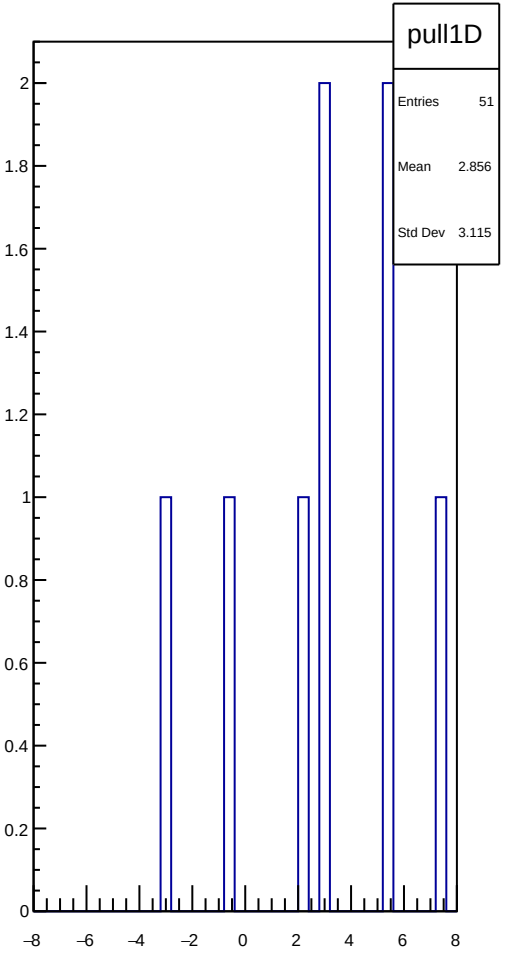

yield_bpm4eX_rms vs run
χ² / ndf 6.511e+04 / 50
p0 0.05482 ± 5.778e–05
0.12
0.1
0.08
0.06
0.04
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

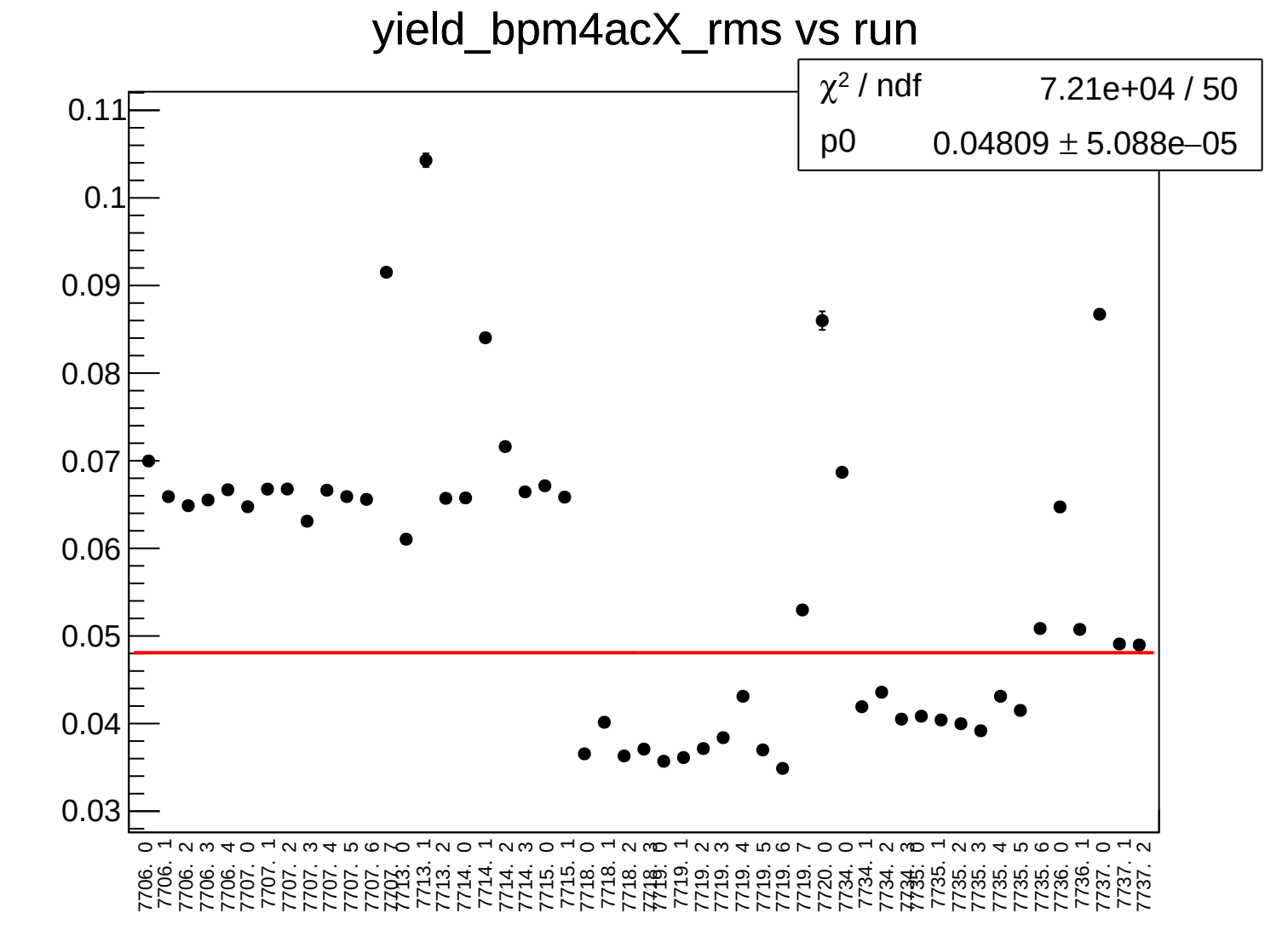

yield_bpm4eY_mean vs run
χ² / ndf 8.554e+04 / 50
p0 0.2181 ± 2.541e−05
0.245
0.24
0.235
0.23
0.225
0.22
0.215
0.21
0.205
pull
Entries 51
Mean 104.5
Std Dev 76.5
100
80
60
40
20
0
−20
−40
−60
−80

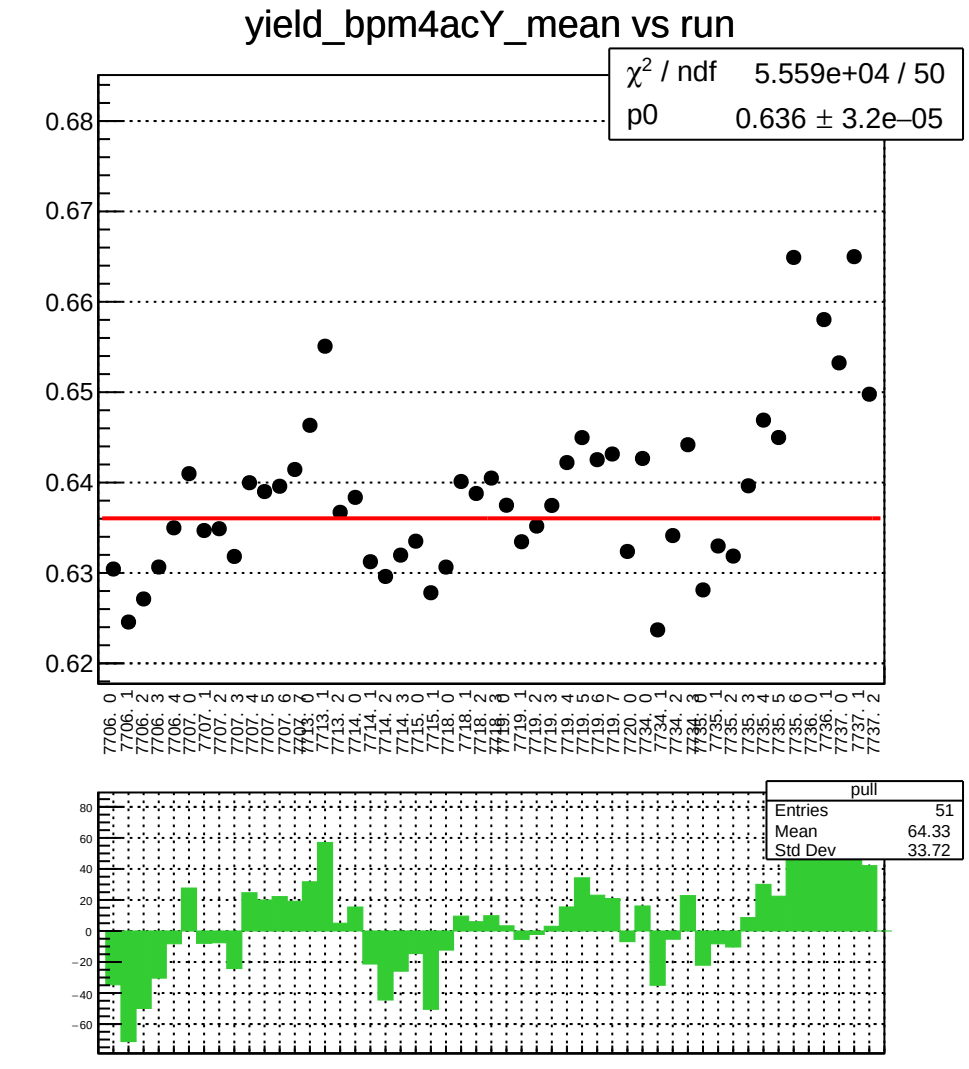

pull1D
Entries 51
Mean 1.388
Std Dev 4.686
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

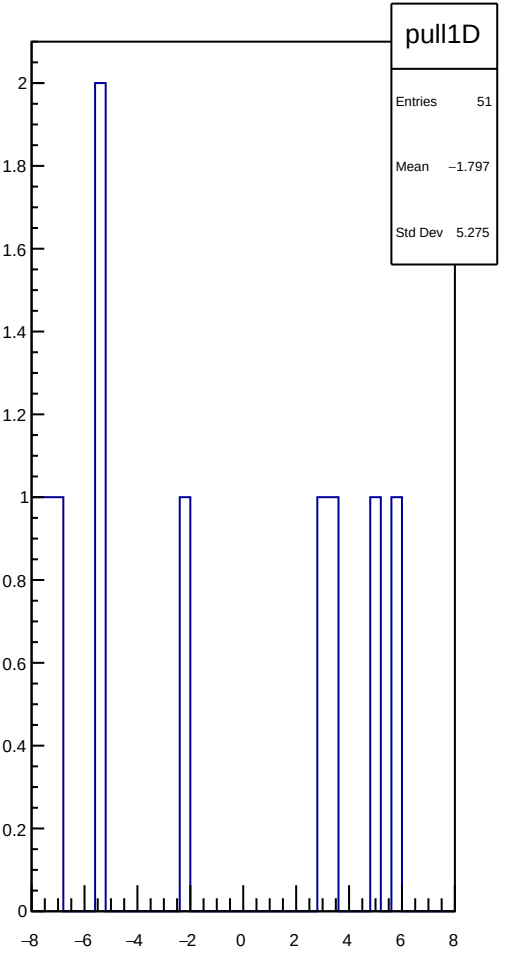

yield_bpm4eY_rms vs run
χ² / ndf 5.473e+04 / 50
p0 0.01715 ± 1.797e–05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

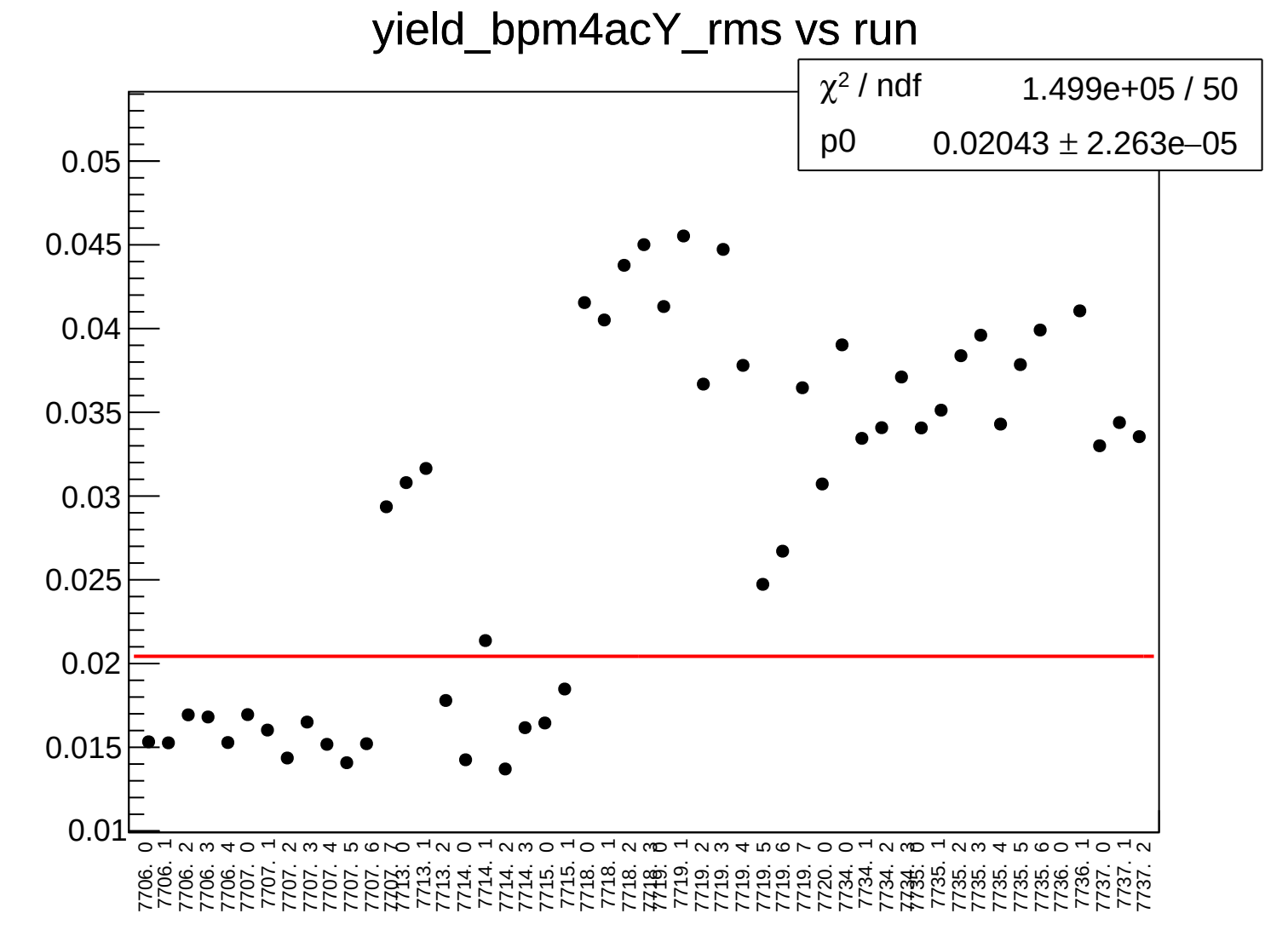

yield_bpm4acX_mean vs run
χ² / ndf 4.408e+04 / 50
p0 −0.9341 ± 7.195e−05
−0.9
−0.92
−0.94
−0.96
−0.98
−1
pull
Entries 51
Mean −49.31
Std Dev 70.8
60
40
20
0
−20
−40
−60

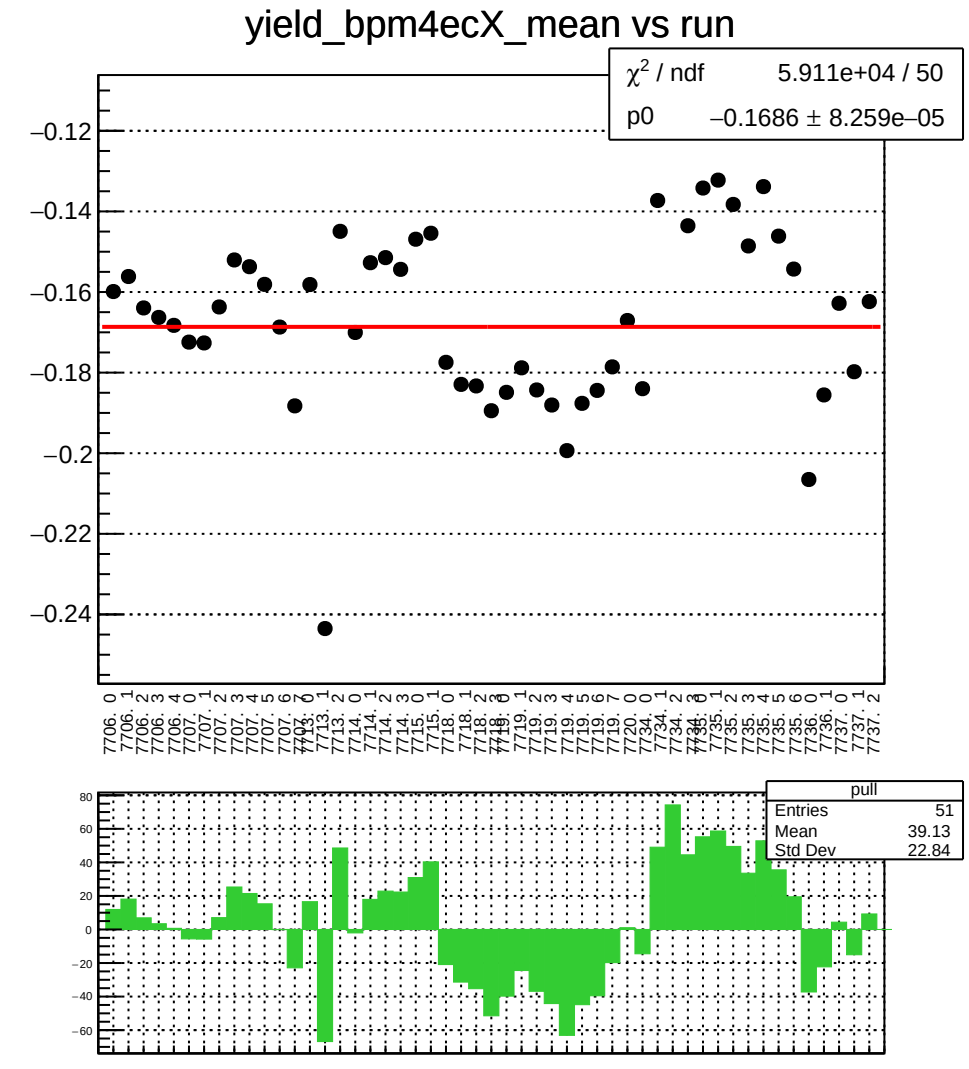

pull1D
Entries 51
Mean 2.856
Std Dev 3.115
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

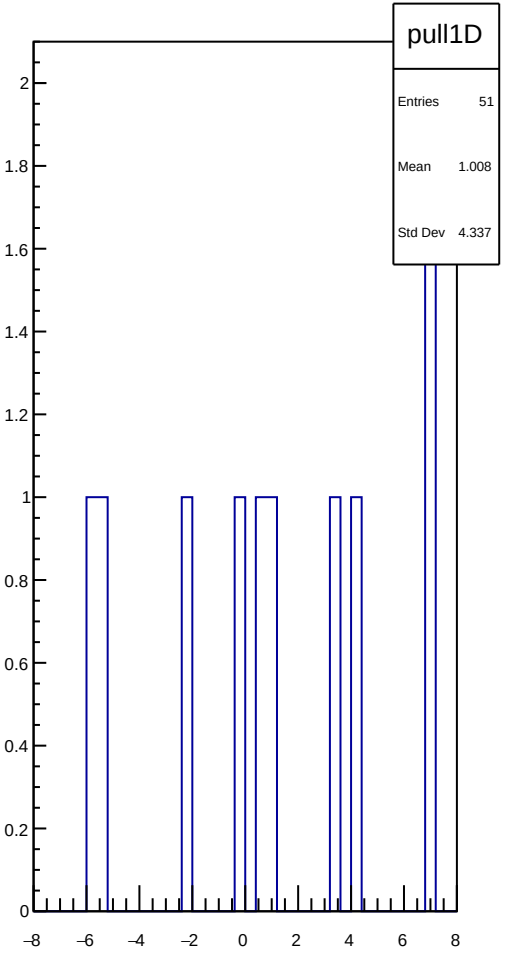

yield_bpm4acX_rms vs run
χ² / ndf 7.21e+04 / 50
p0 0.04809 ± 5.088e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

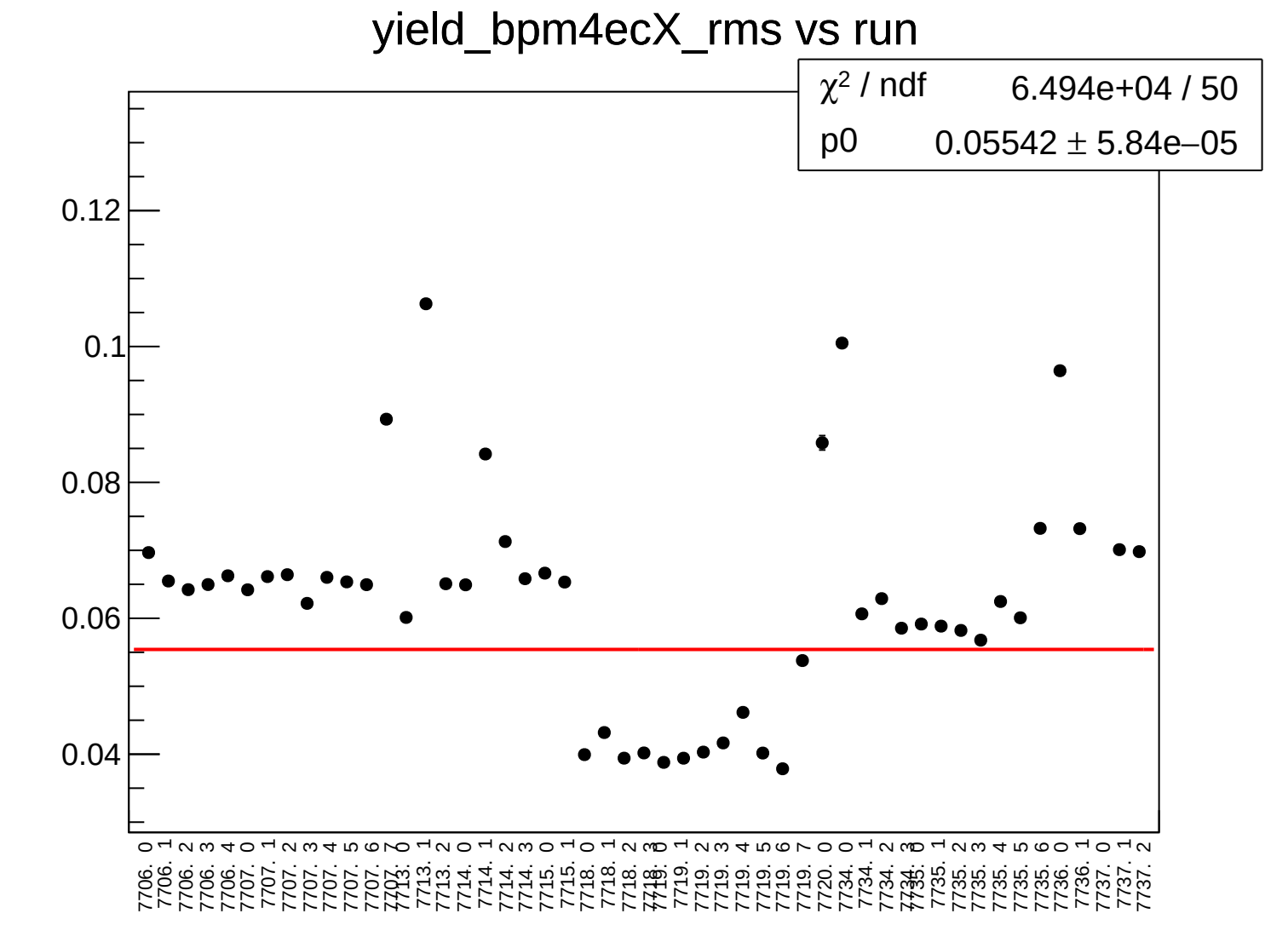

yield_bpm4acY_mean vs run
χ² / ndf 5.559e+04 / 50
p0 0.636 ± 3.2e–05
0.68
0.67
0.66
0.65
0.64
0.63
0.62
pull
Entries 51
Mean 64.33
Std Dev 33.72
80
60
40
20
0
–20
–40
–60

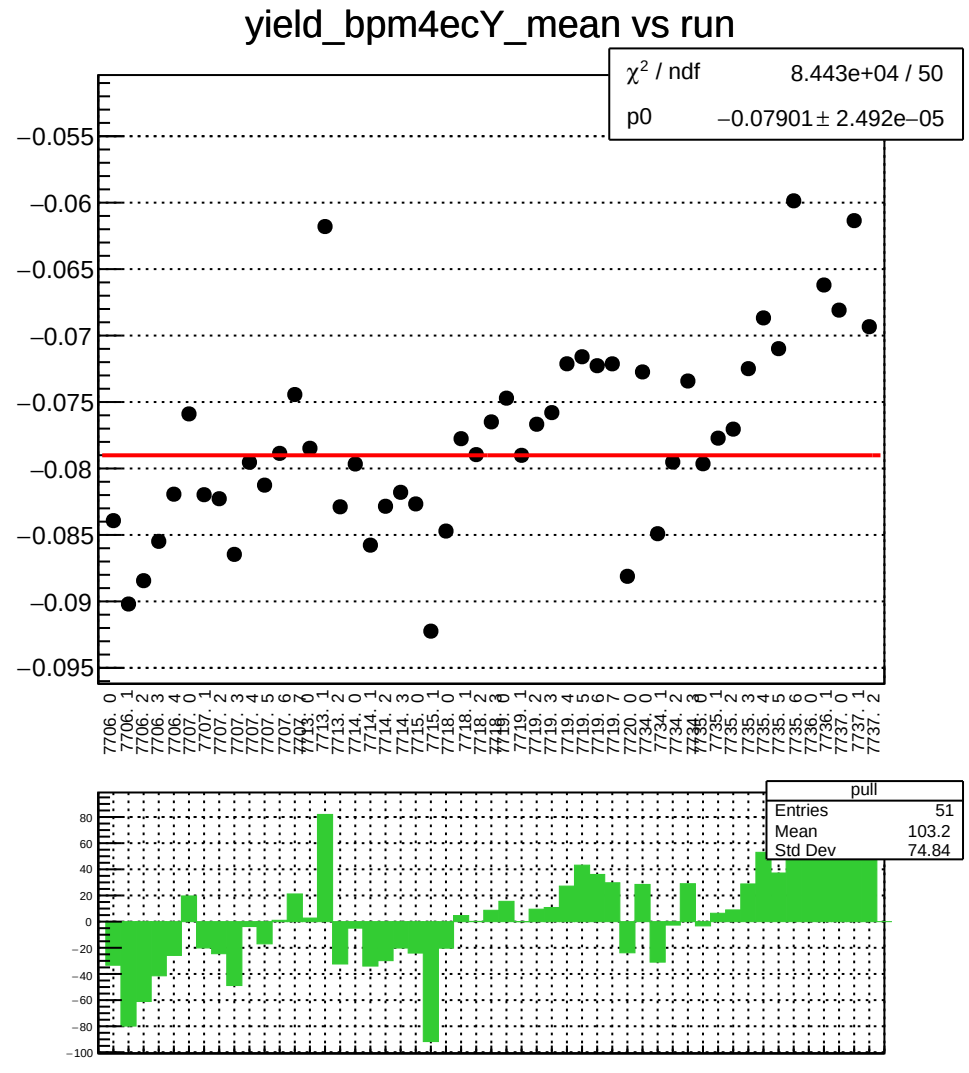

pull1D
Entries 51
Mean –1.797
Std Dev 5.275
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

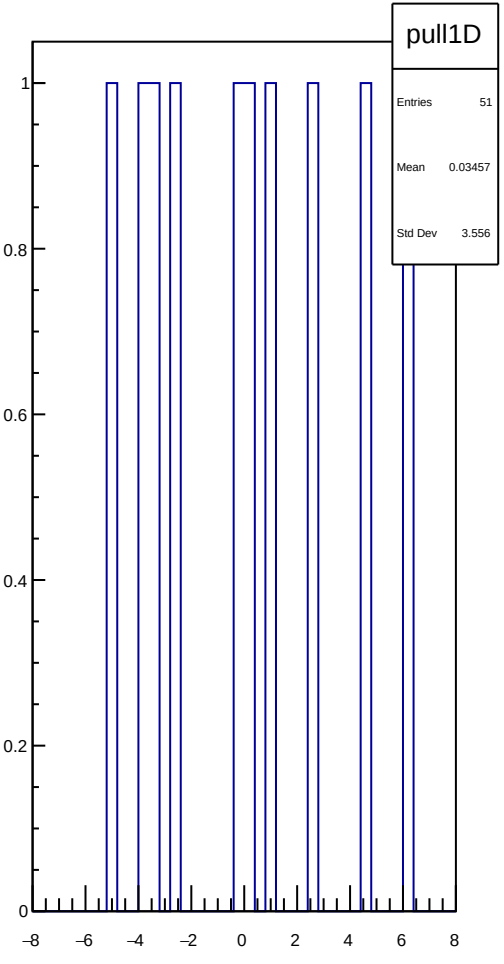

yield_bpm4acY_rms vs run
χ² / ndf 1.499e+05 / 50
p0 0.02043 ± 2.263e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

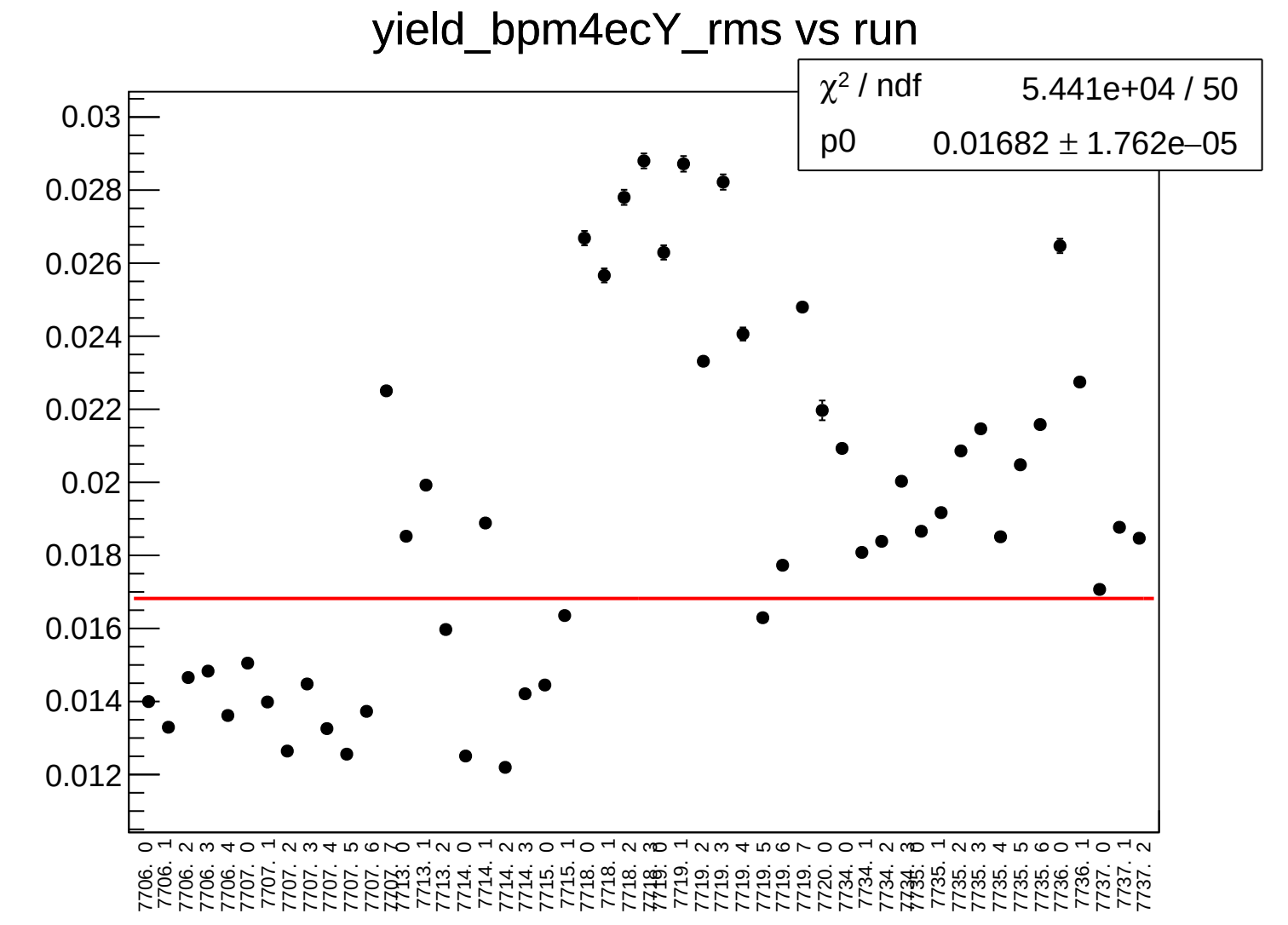

yield_bpm4ecX_mean vs run
χ² / ndf 5.911e+04 / 50
p0 −0.1686 ± 8.259e−05
−0.12
−0.14
−0.16
−0.18
−0.2
−0.22
−0.24
pull
Entries 51
Mean 39.13
Std Dev 22.84
80
60
40
20
0
−20
−40
−60

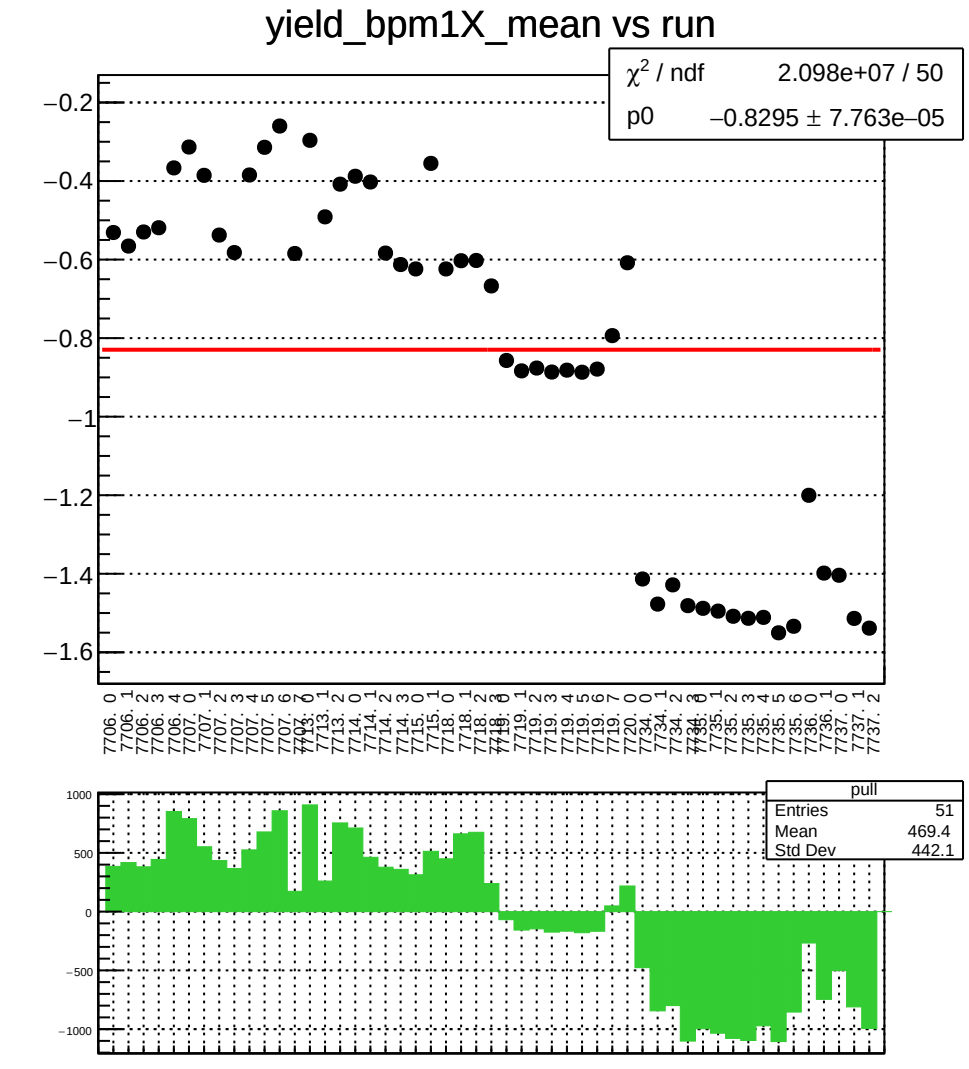

pull1D
Entries 51
Mean 1.008
Std Dev 4.337
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

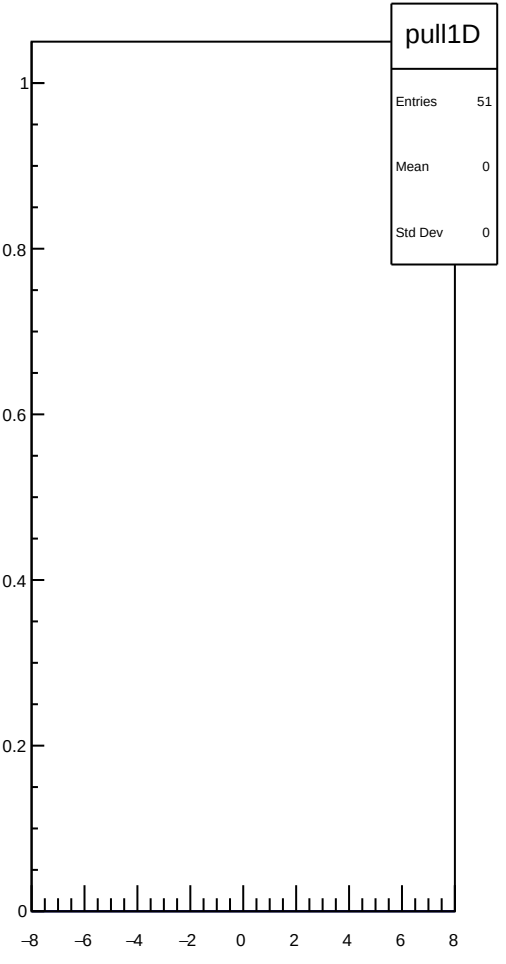

yield_bpm4ecX_rms vs run
χ² / ndf 6.494e+04 / 50
p0 0.05542 ± 5.84e−05
0.12
0.1
0.08
0.06
0.04
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

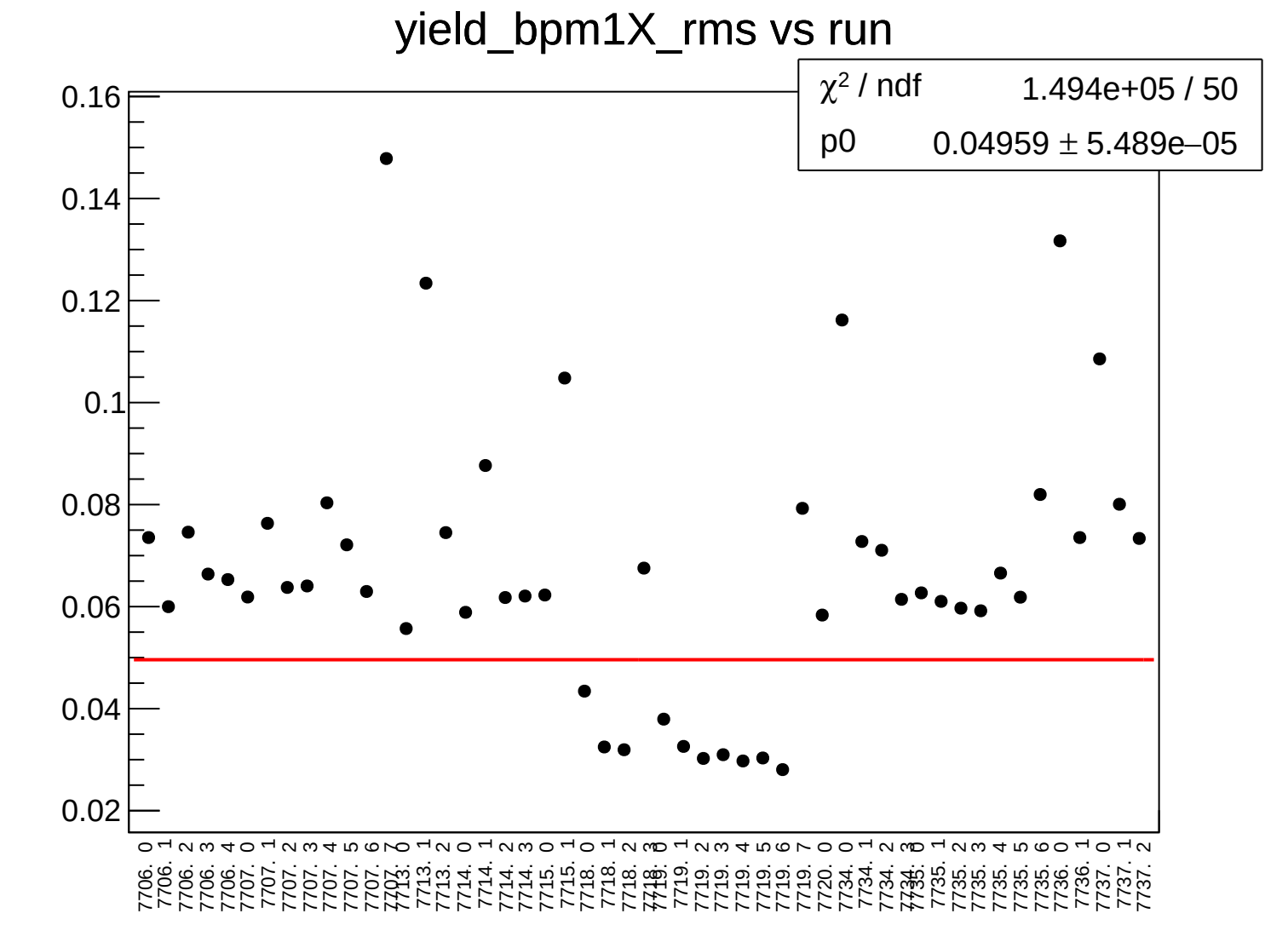

yield_bpm4ecY_mean vs run
χ² / ndf 8.443e+04 / 50
p0 −0.07901 ± 2.492e−05
pull
Entries 51
Mean 103.2
Std Dev 74.84

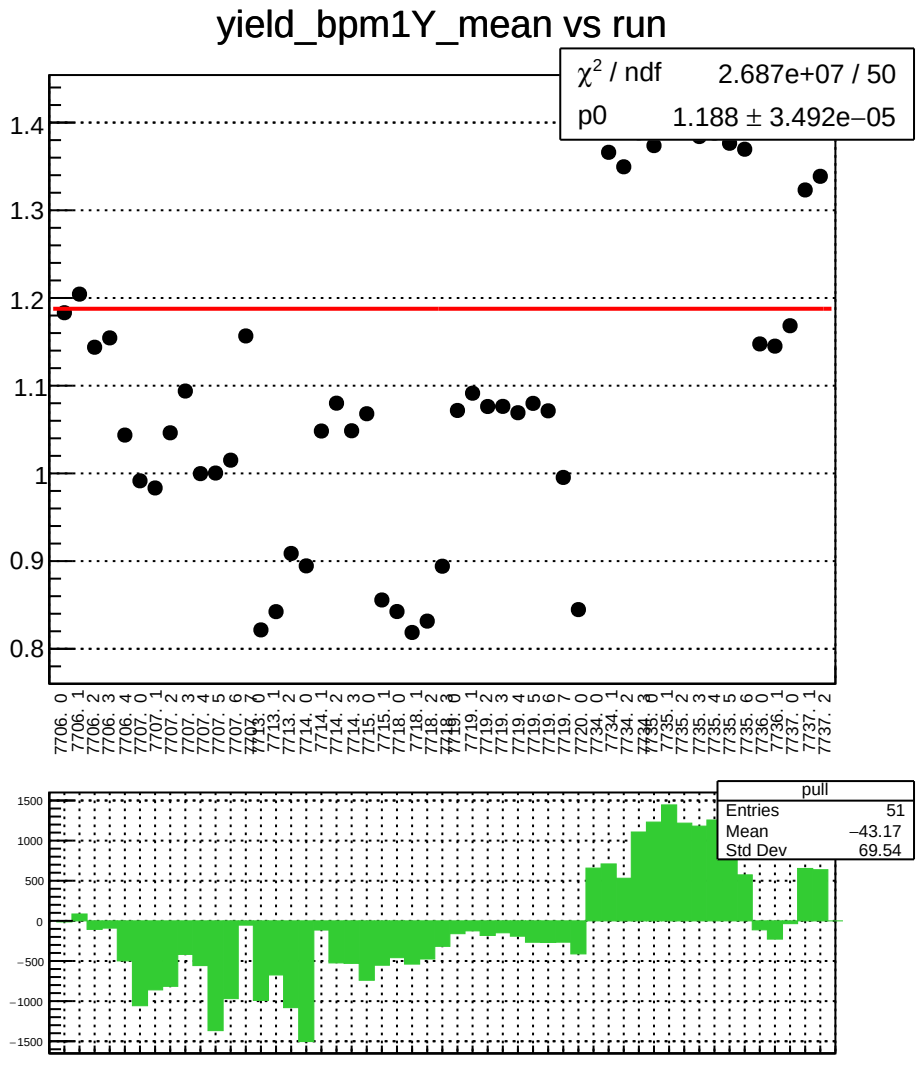

pull1D
Entries 51
Mean 0.03457
Std Dev 3.556

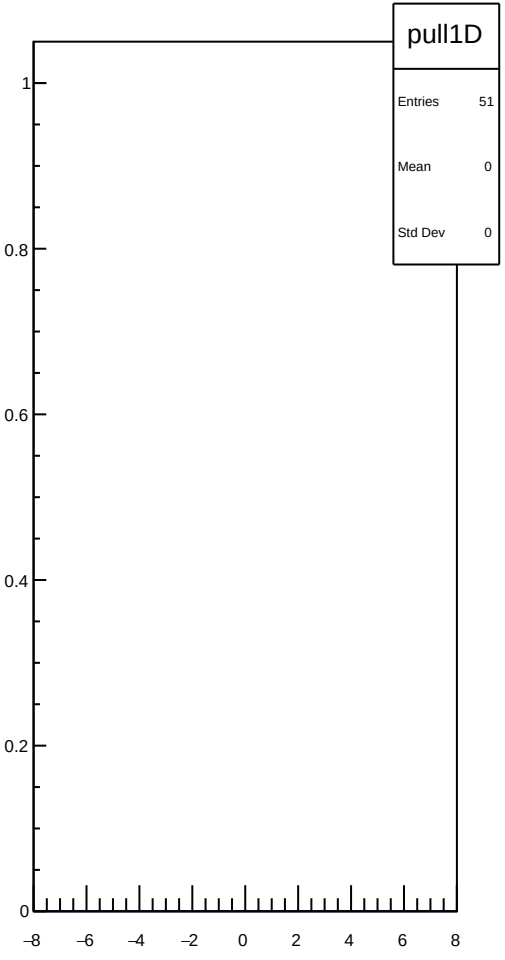

yield_bpm4ecY_rms vs run
χ² / ndf 5.441e+04 / 50
p0 0.01682 ± 1.762e−05
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

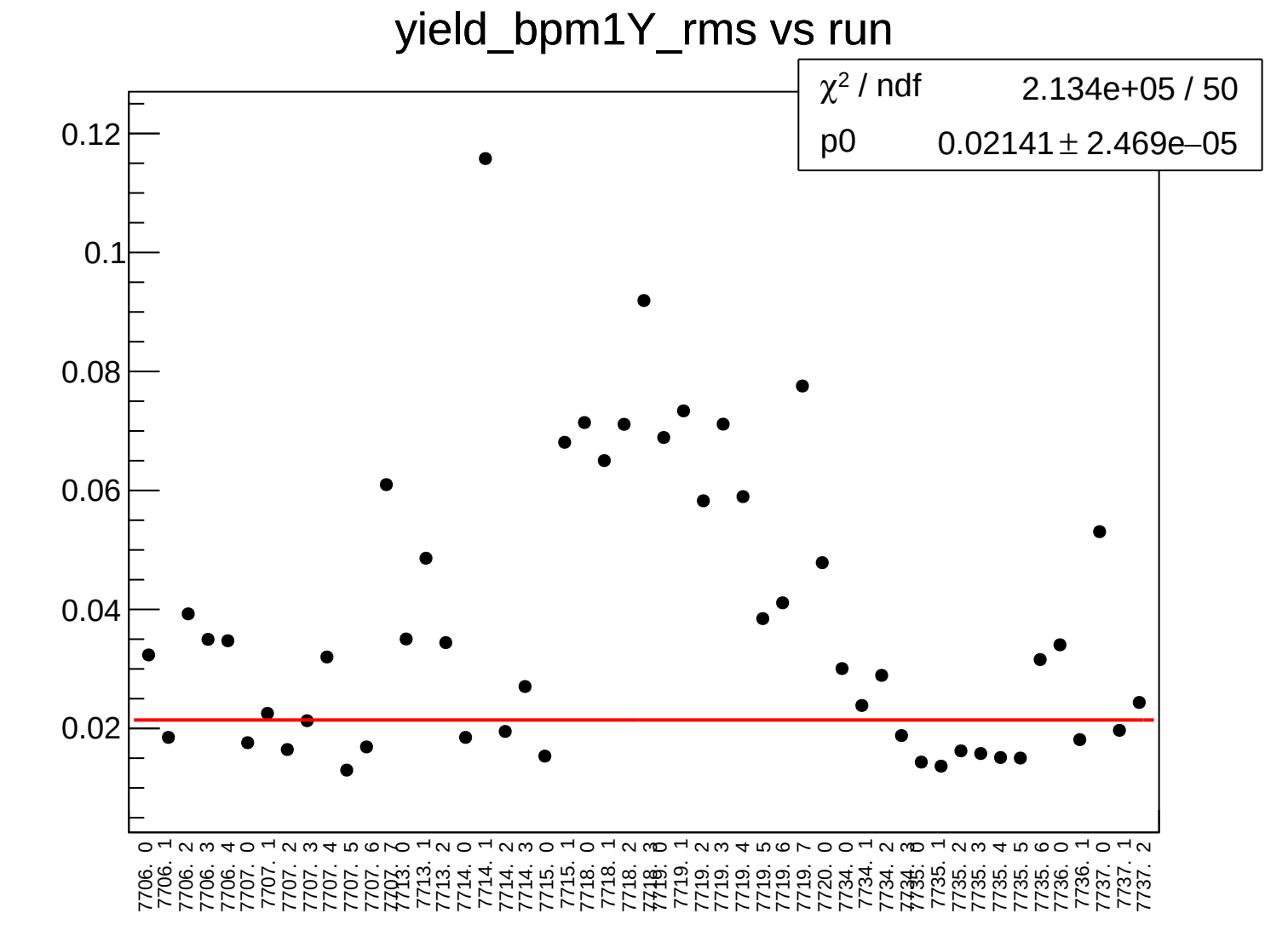

yield_bpm1X_mean vs run
χ² / ndf 2.098e+07 / 50
p0 −0.8295 ± 7.763e−05
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull
Entries 51
Mean 469.4
Std Dev 442.1
1000
500
0
−500
−1000

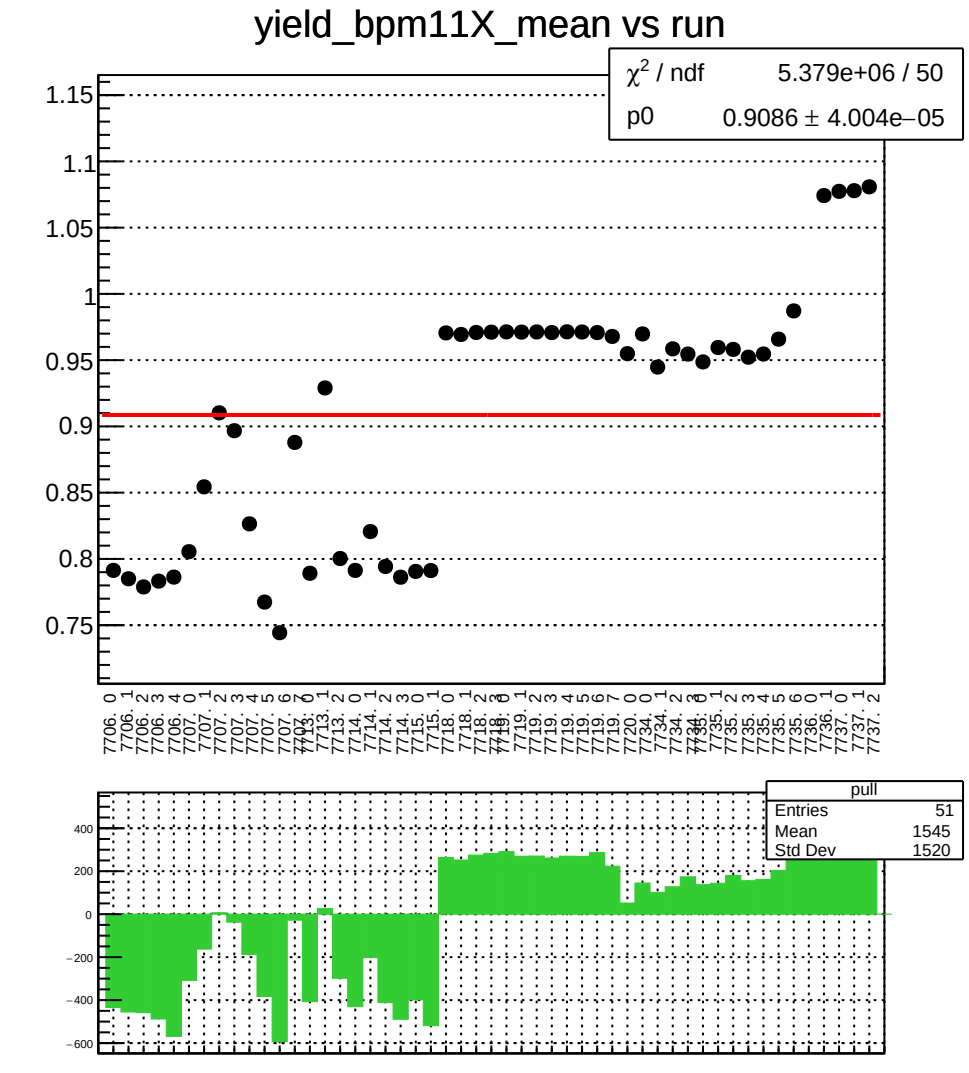

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

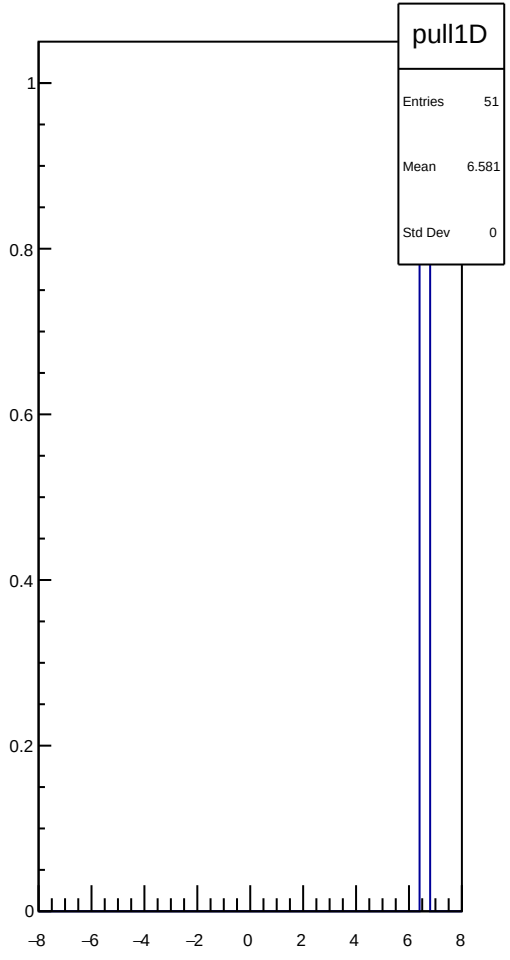

yield_bpm1X_rms vs run
χ² / ndf 1.494e+05 / 50
p0 0.04959 ± 5.489e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

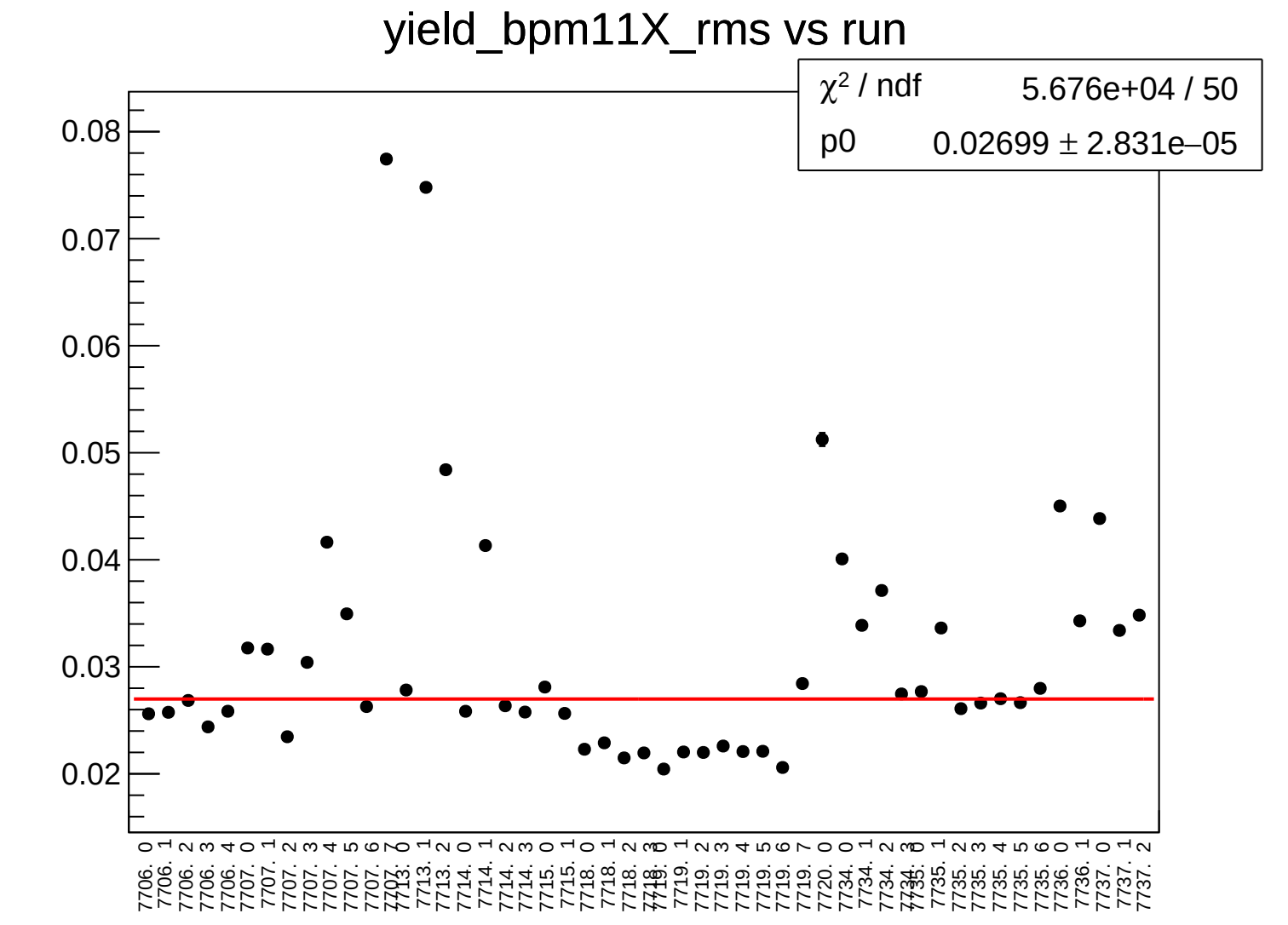

yield_bpm1Y_mean vs run
χ² / ndf 2.687e+07 / 50
p0 1.188 ± 3.492e−05
pull
Entries 51
Mean −43.17
Std Dev 69.54

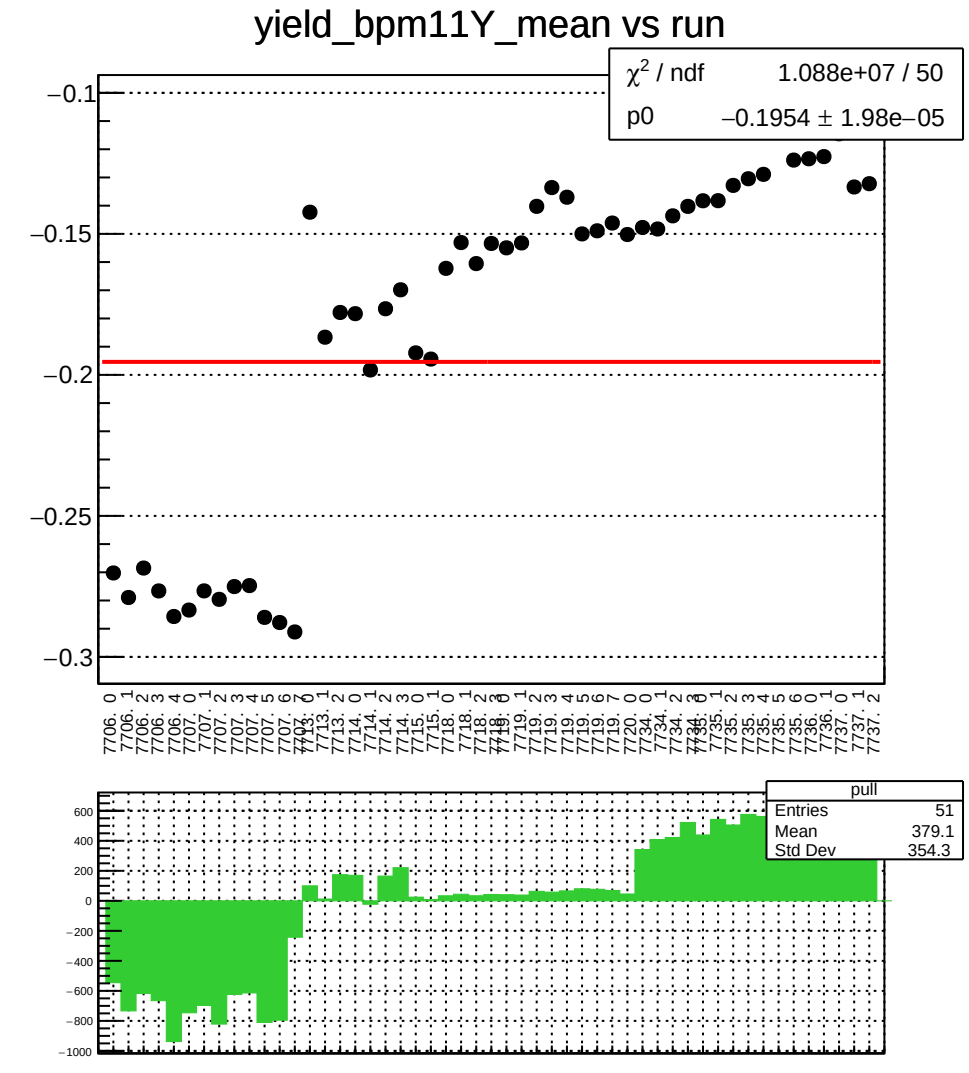

pull1D
Entries 51
Mean 0
Std Dev 0

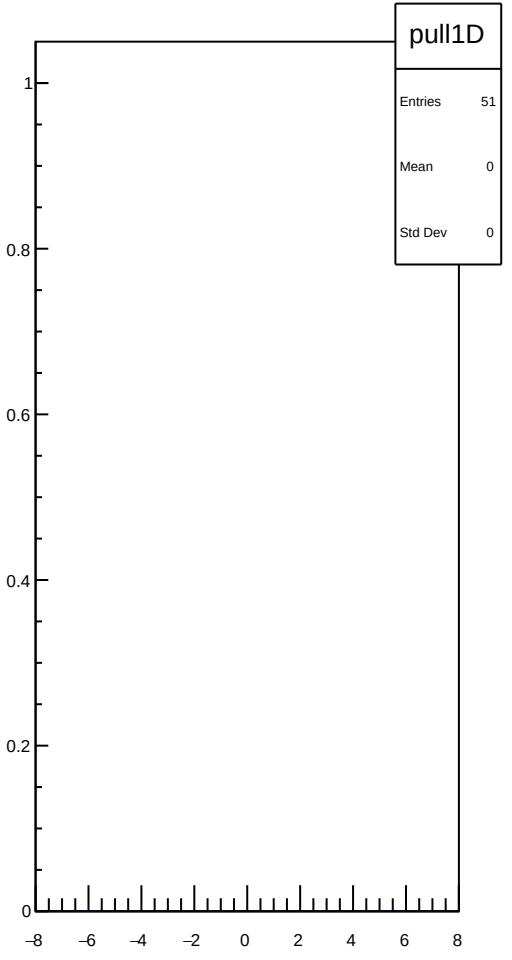

yield_bpm1Y_rms vs run
χ² / ndf 2.134e+05 / 50
p0 0.02141 ± 2.469e–05
0.12
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

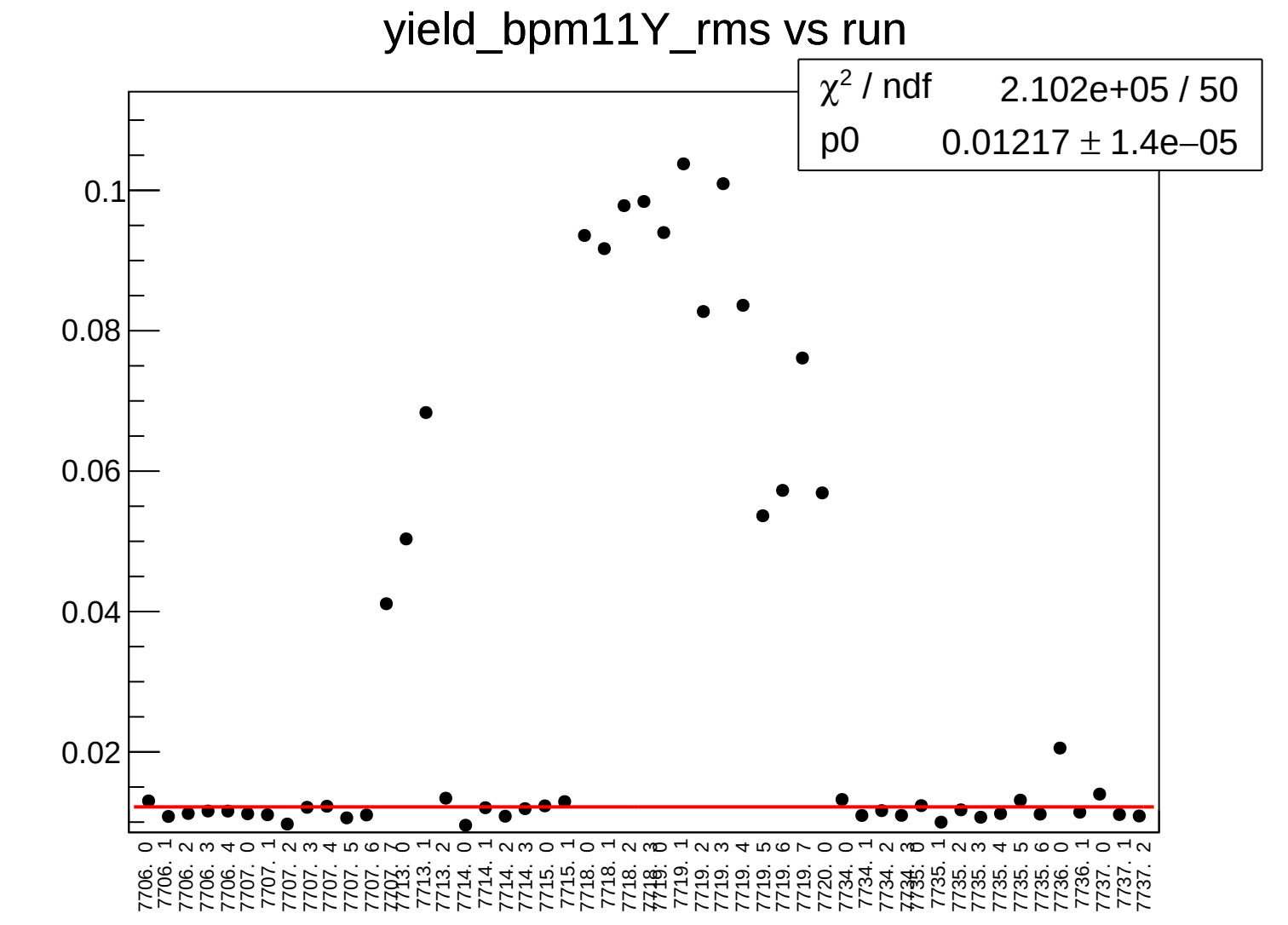

yield_bpm11X_mean vs run
χ² / ndf 5.379e+06 / 50
p0 0.9086 ± 4.004e−05
pull
Entries 51
Mean 1545
Std Dev 1520

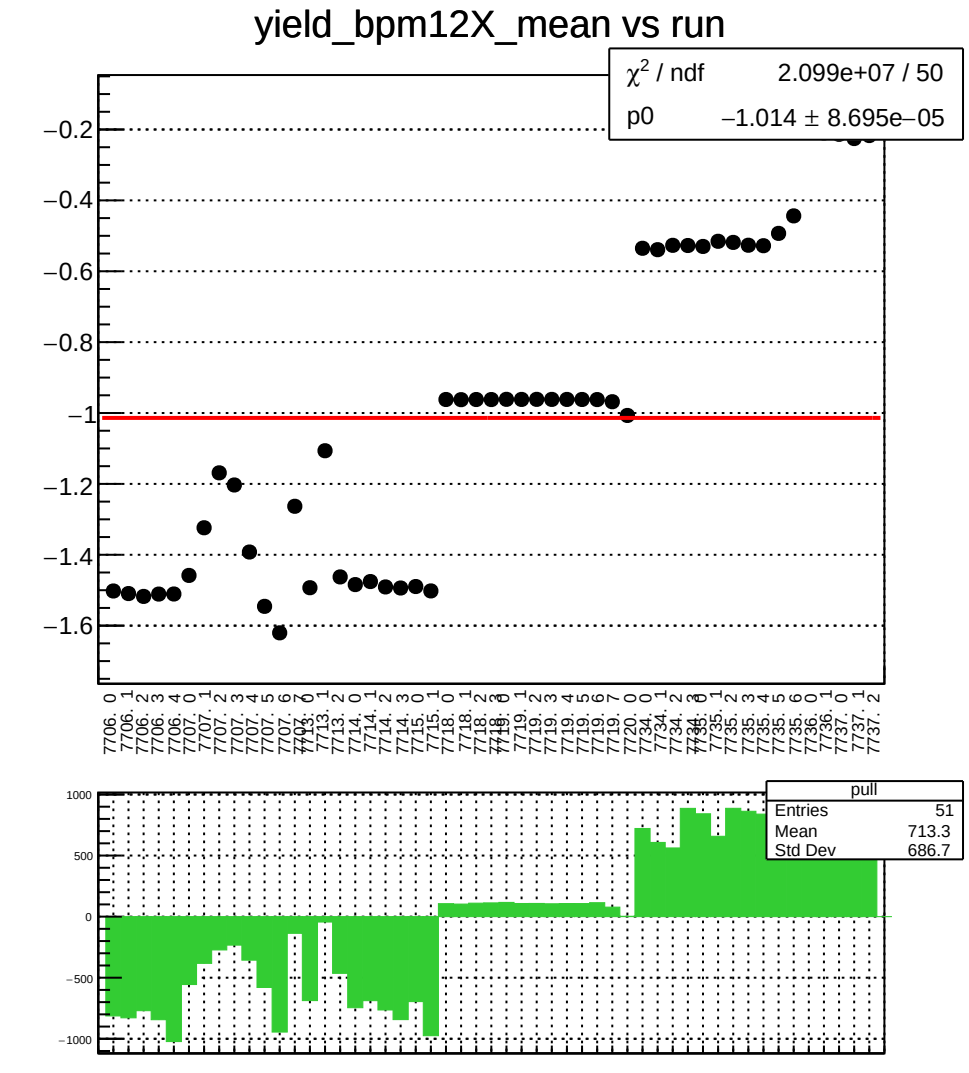

pull1D
Entries 51
Mean 6.581
Std Dev 0

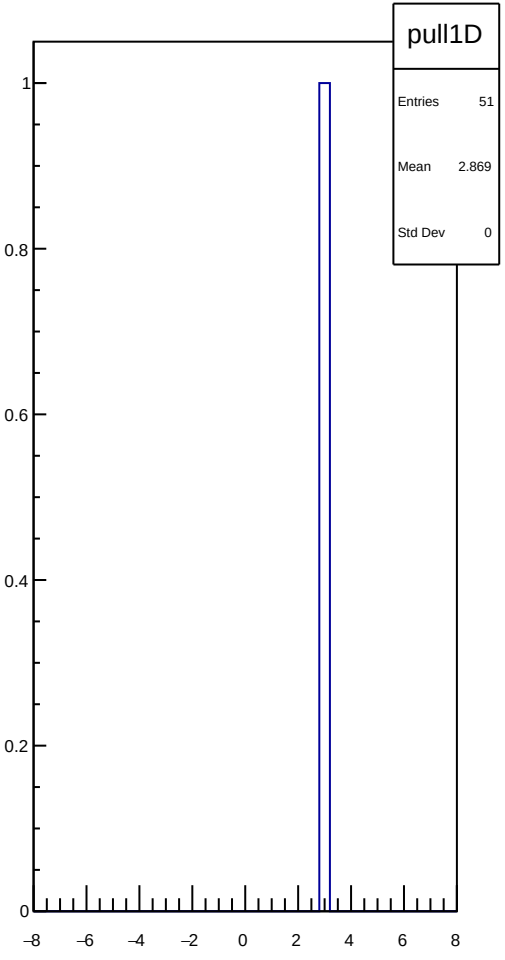

yield_bpm11X_rms vs run
χ² / ndf 5.676e+04 / 50
p0 0.02699 ± 2.831e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

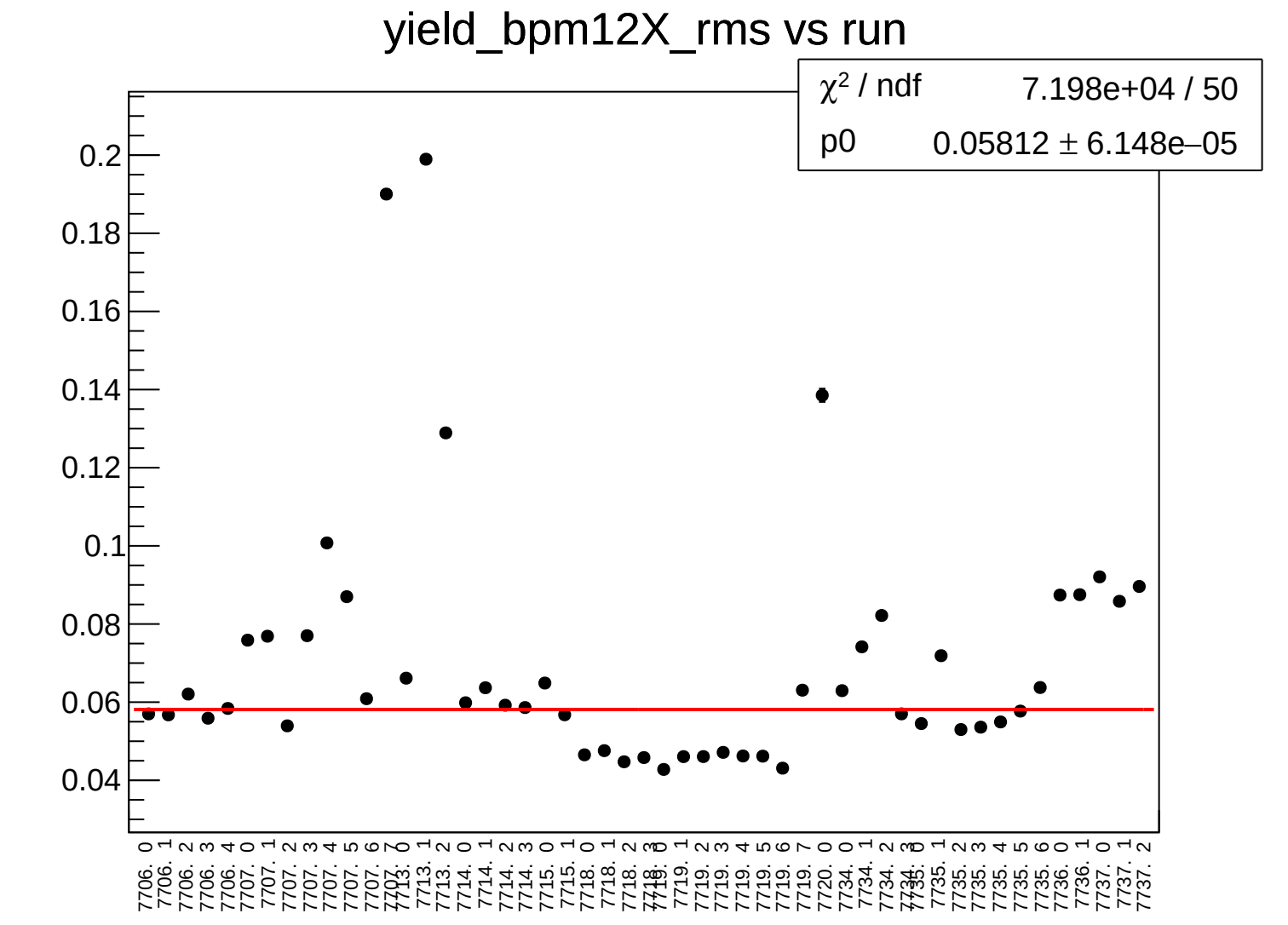

yield_bpm11Y_mean vs run
χ² / ndf 1.088e+07 / 50
p0 −0.1954 ± 1.98e−05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 51
Mean 379.1
Std Dev 354.3
600
400
200
0
−200
−400
−600
−800
−1000

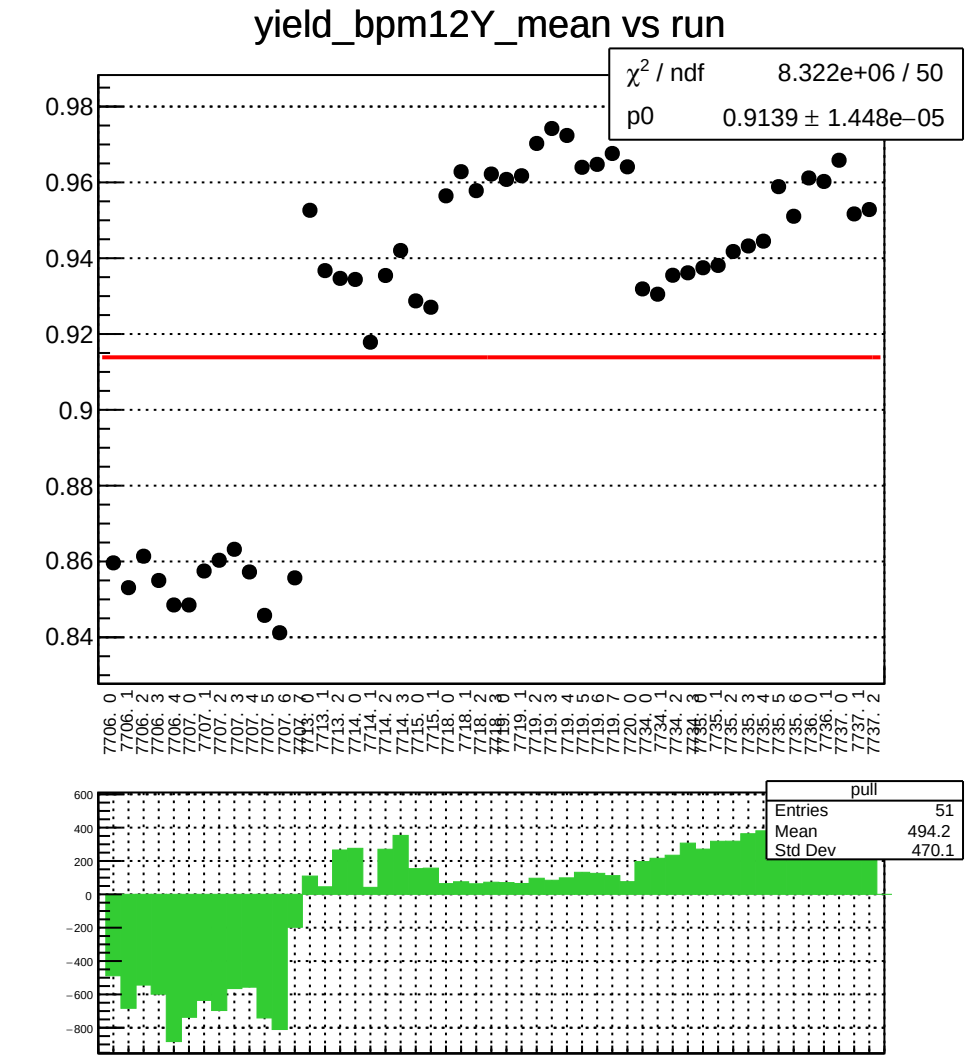

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

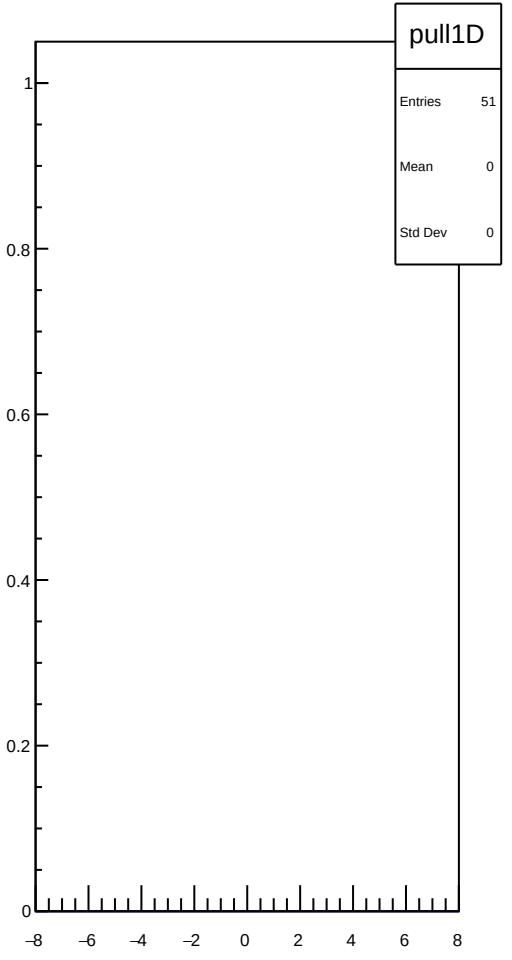

yield_bpm11Y_rms vs run
χ² / ndf 2.102e+05 / 50
p0 0.01217 ± 1.4e−05
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

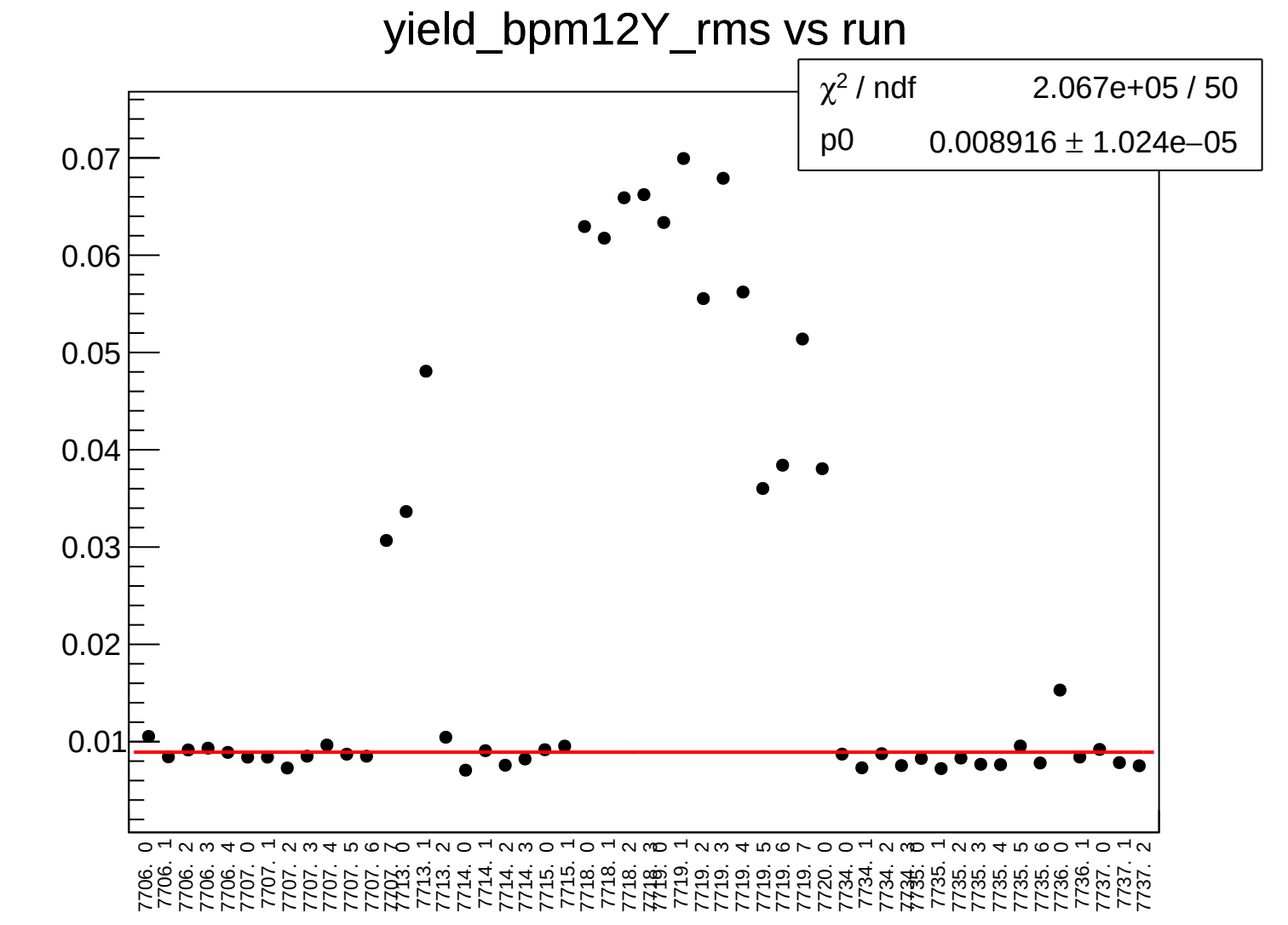

yield_bpm12X_mean vs run
χ² / ndf 2.099e+07 / 50
p0 −1.014 ± 8.695e−05
pull
Entries 51
Mean 713.3
Std Dev 686.7

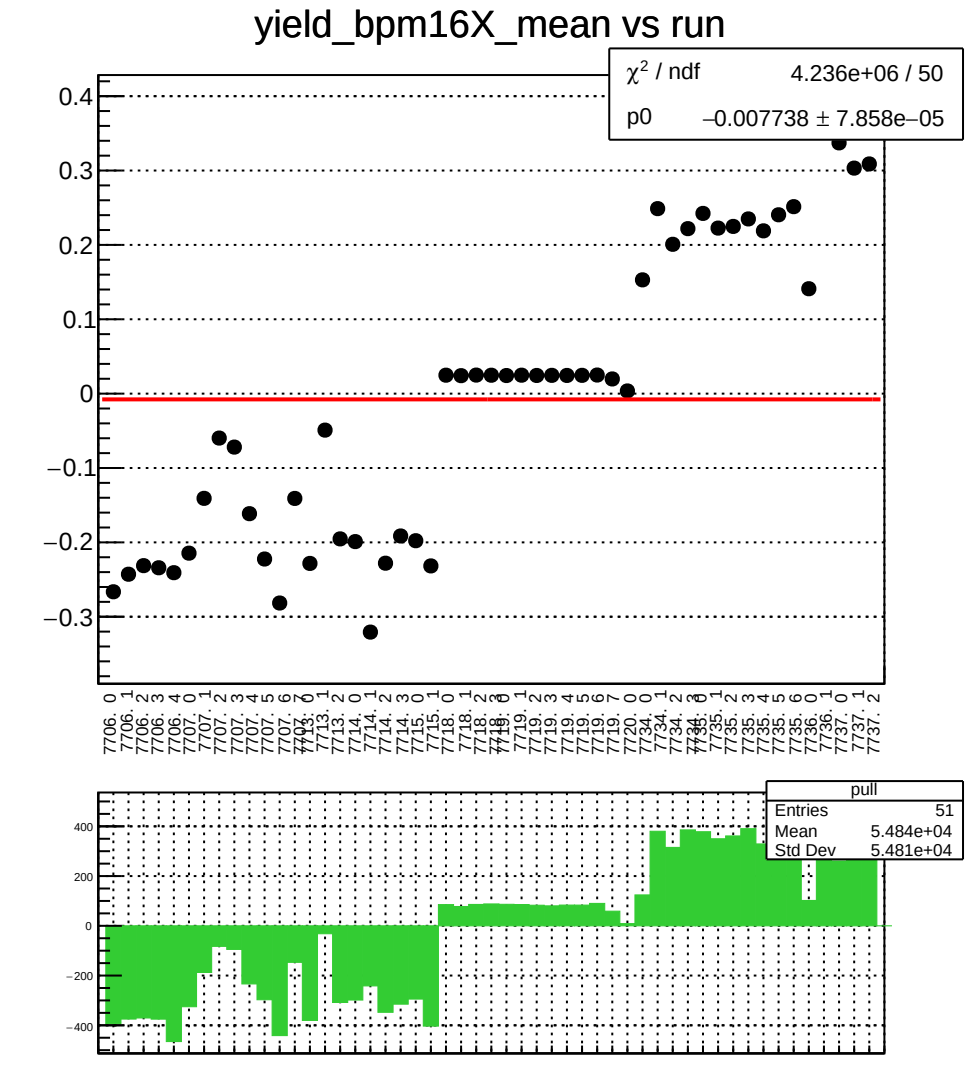

pull1D
Entries 51
Mean 2.869
Std Dev 0

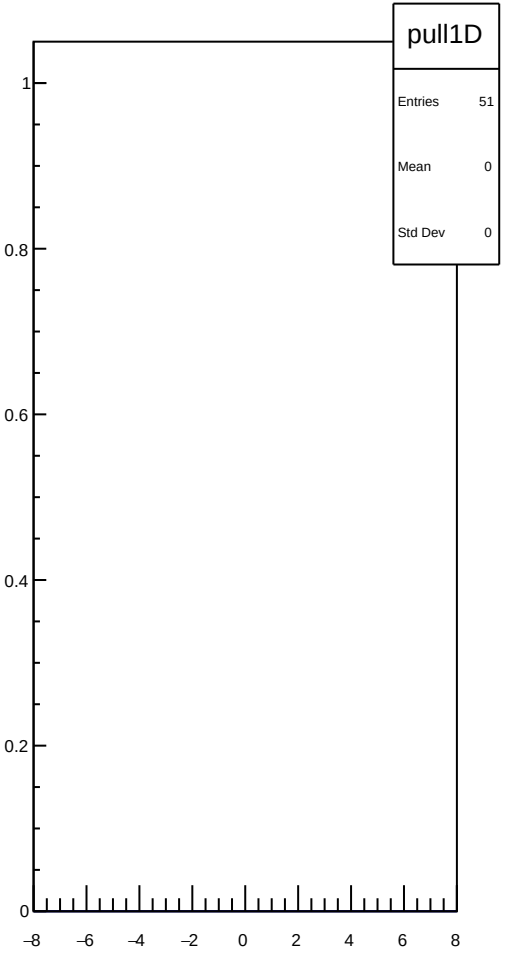

yield_bpm12X_rms vs run
χ² / ndf 7.198e+04 / 50
p0 0.05812 ± 6.148e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

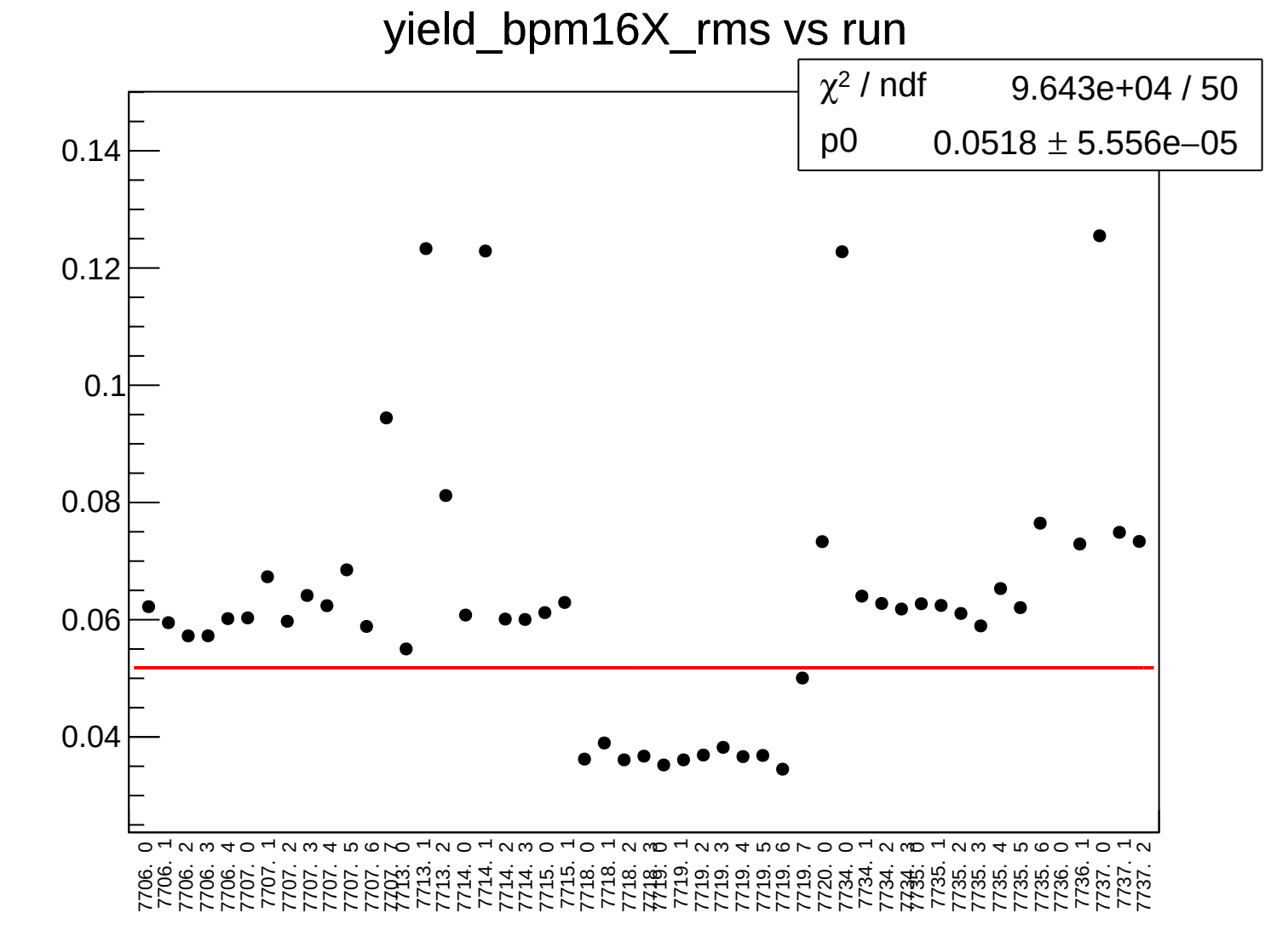

yield_bpm12Y_mean vs run
χ² / ndf 8.322e+06 / 50
p0 0.9139 ± 1.448e−05
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
pull
Entries 51
Mean 494.2
Std Dev 470.1
600
400
200
0
−200
−400
−600
−800

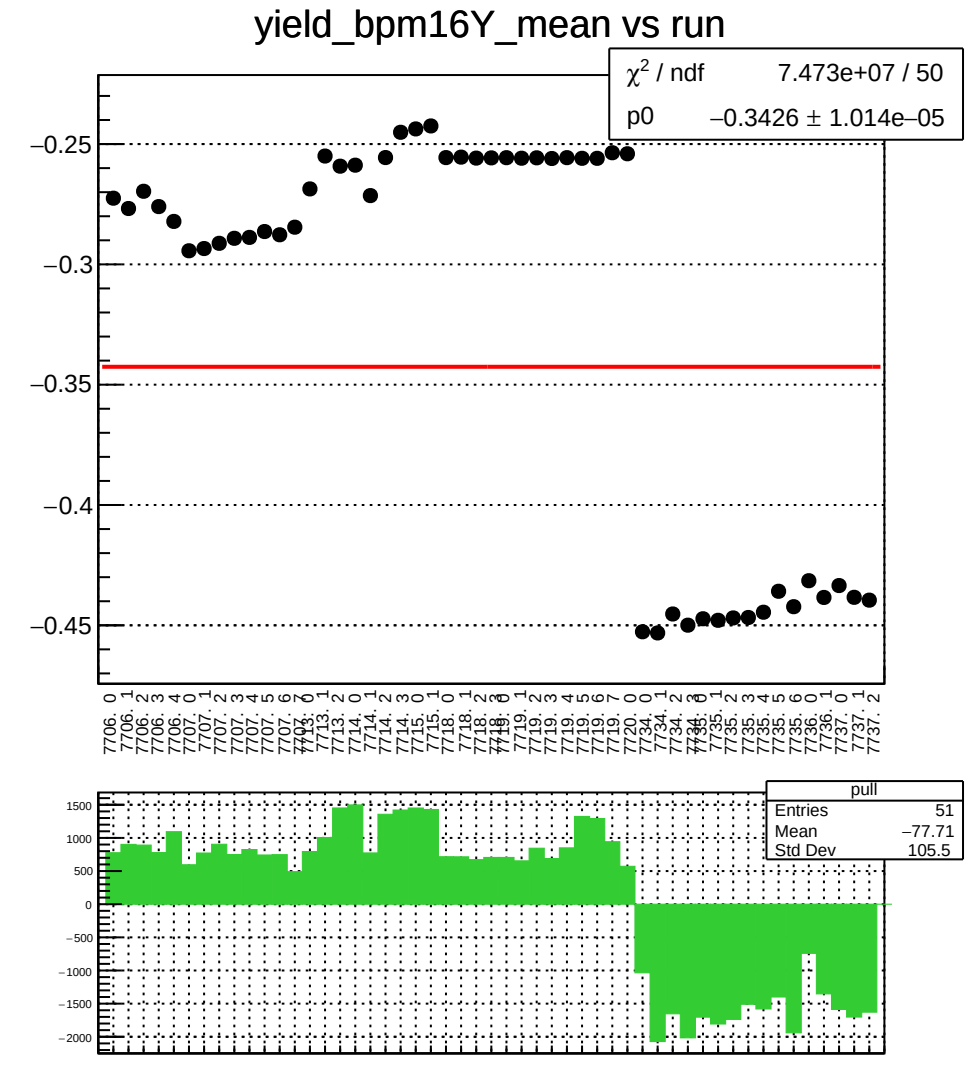

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

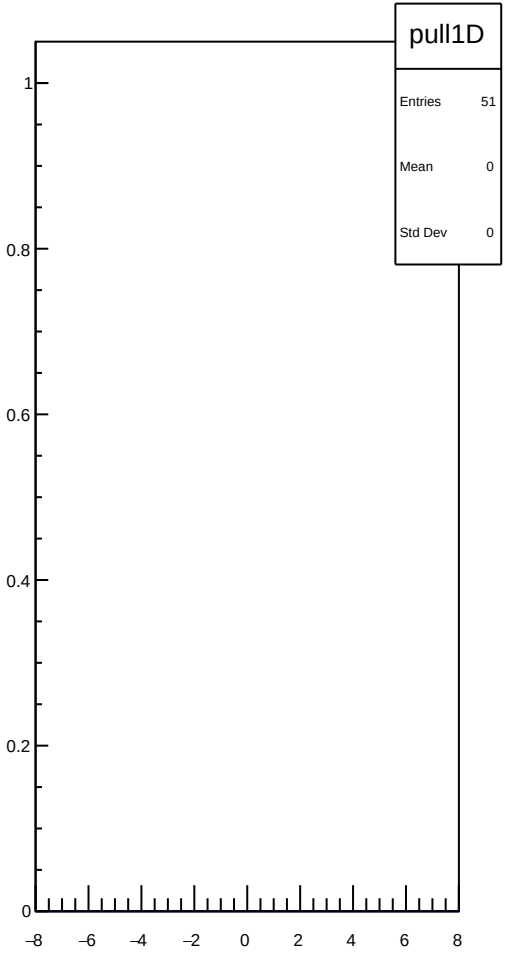

yield_bpm12Y_rms vs run
χ² / ndf 2.067e+05 / 50
p0 0.008916 ± 1.024e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

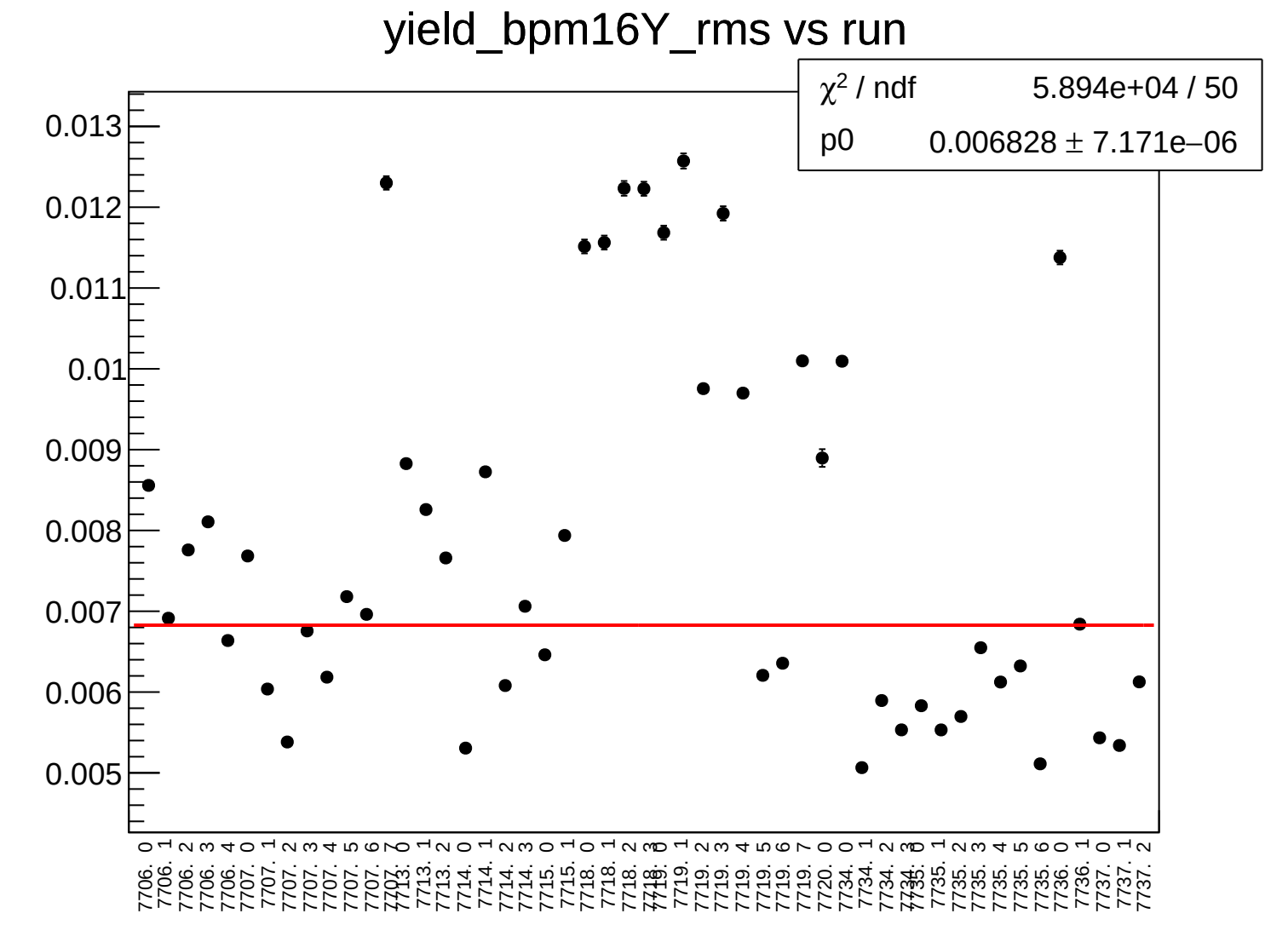

yield_bpm16X_mean vs run
χ² / ndf 4.236e+06 / 50
p0 −0.007738 ± 7.858e−05
pull
Entries 51
Mean 5.484e+04
Std Dev 5.481e+04

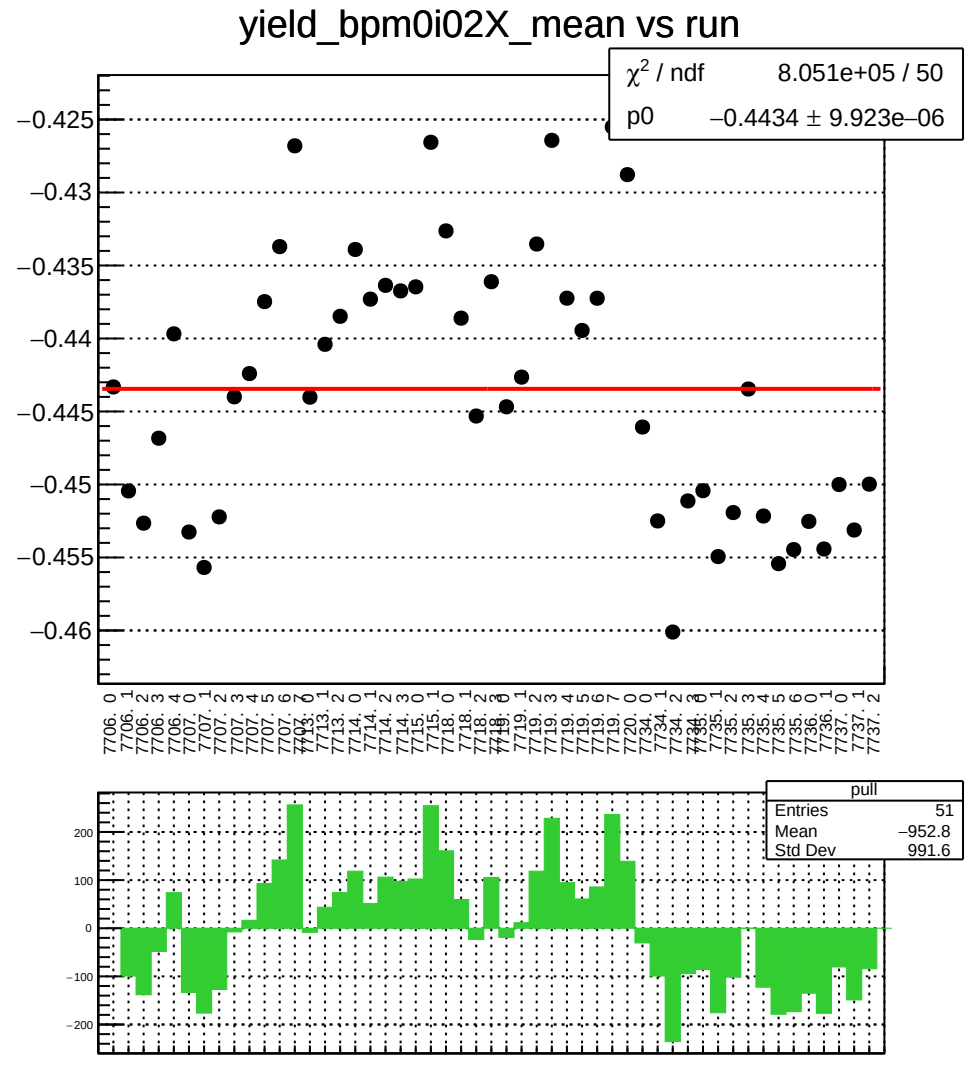

pull1D
Entries 51
Mean 0
Std Dev 0

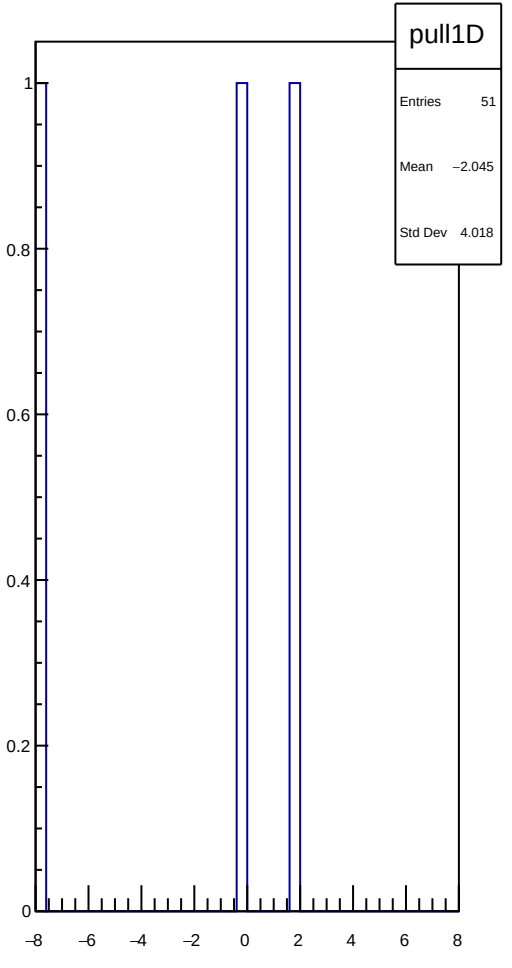

yield_bpm16X_rms vs run
χ² / ndf 9.643e+04 / 50
p0 0.0518 ± 5.556e−05
0.14
0.12
0.1
0.08
0.06
0.04
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

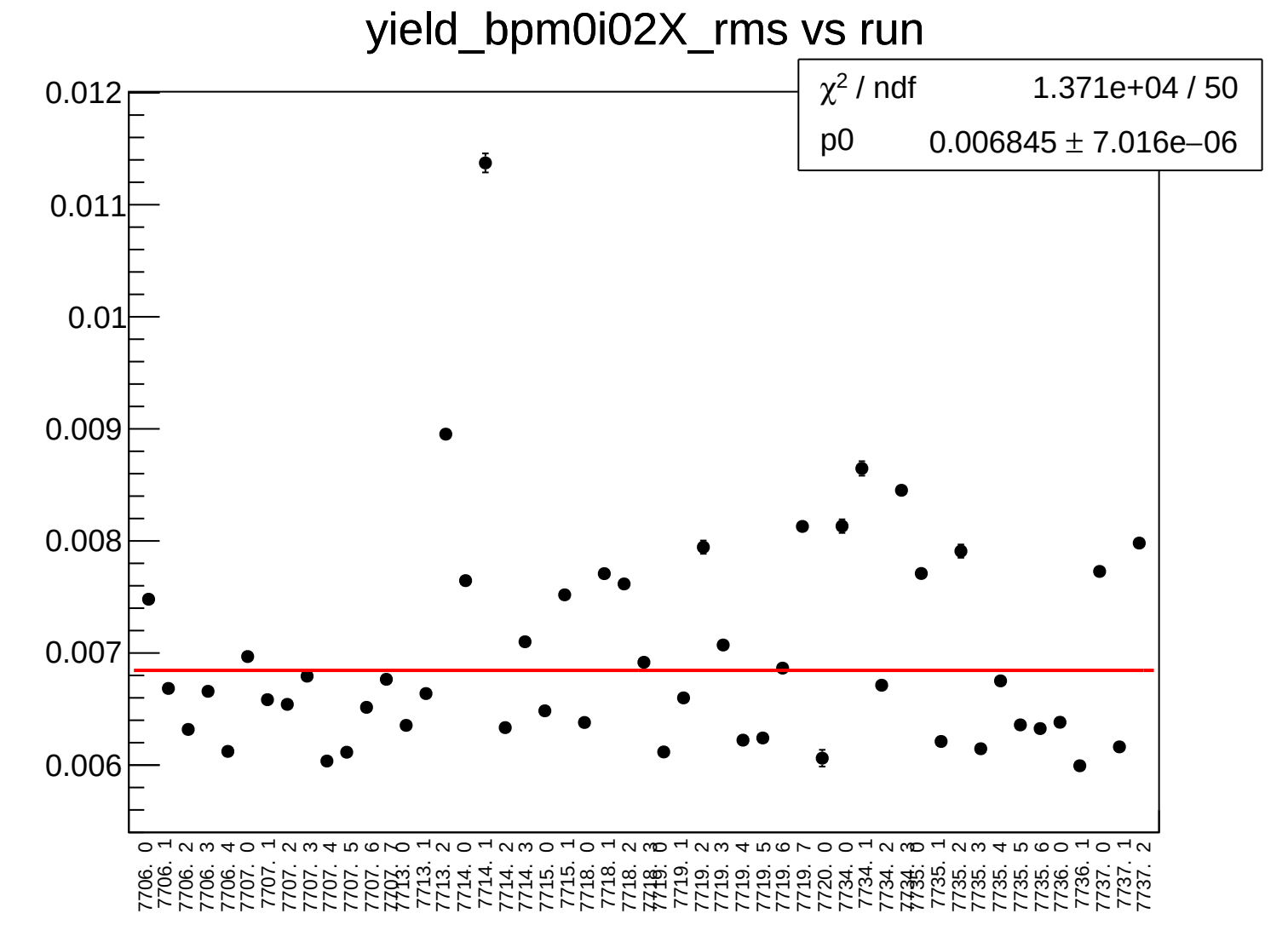

yield_bpm16Y_mean vs run
χ² / ndf 7.473e+07 / 50
p0 −0.3426 ± 1.014e−05
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 51
Mean −77.71
Std Dev 105.5
1500
1000
500
0
−500
−1000
−1500
−2000

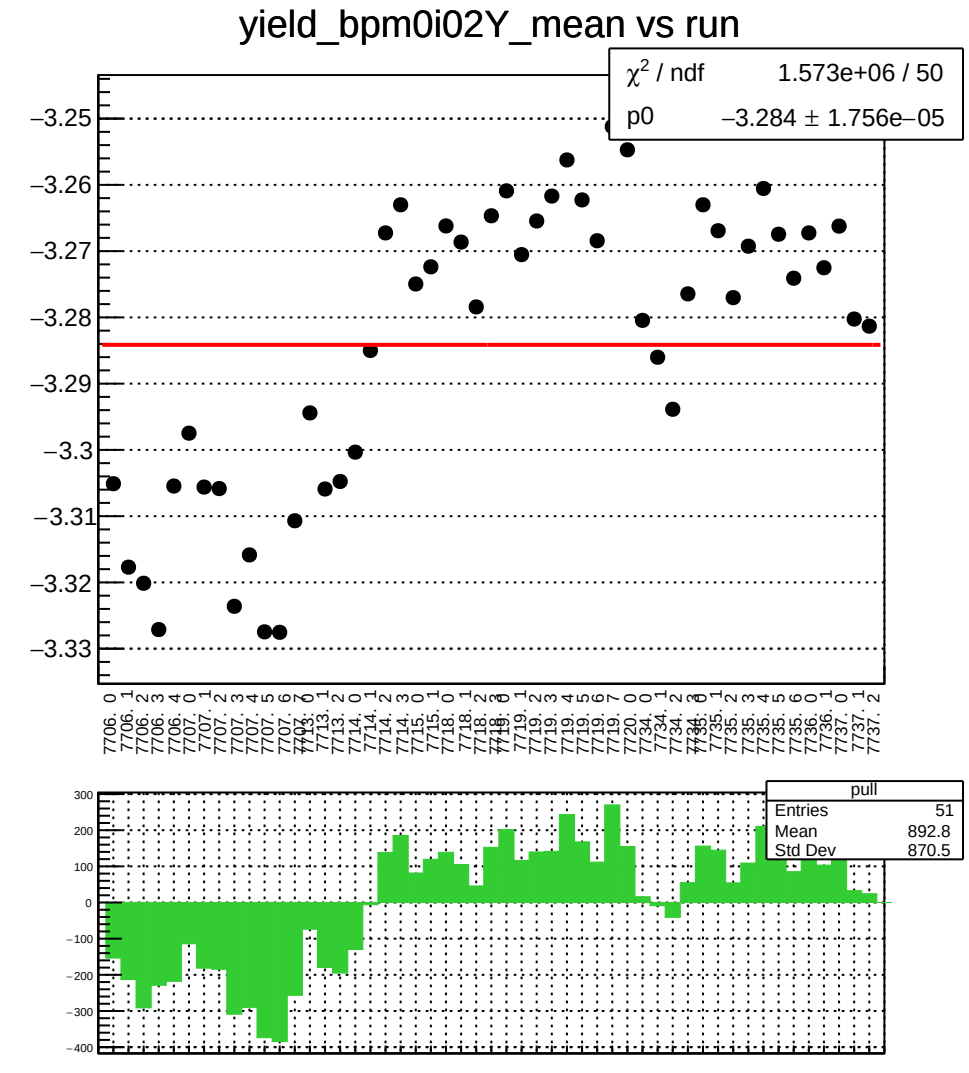

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

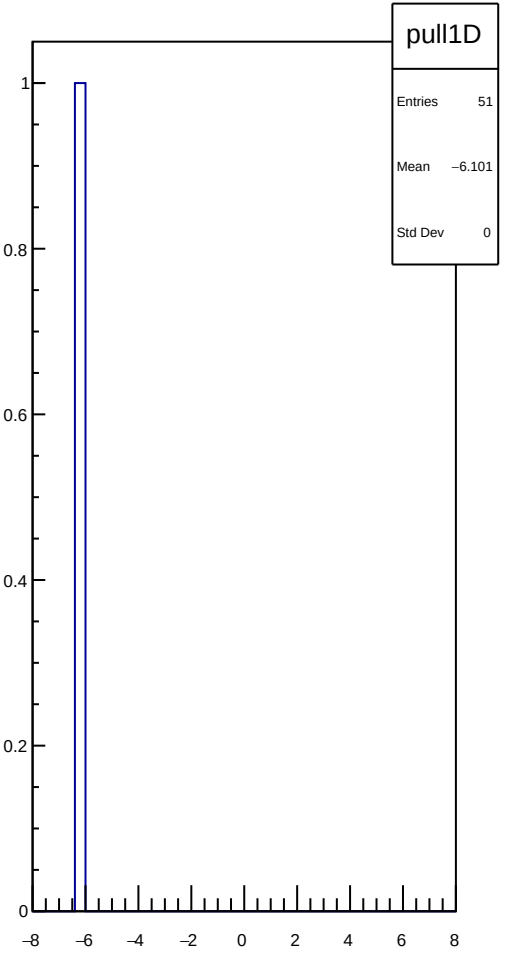

yield_bpm16Y_rms vs run
χ² / ndf 5.894e+04 / 50
p0 0.006828 ± 7.171e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

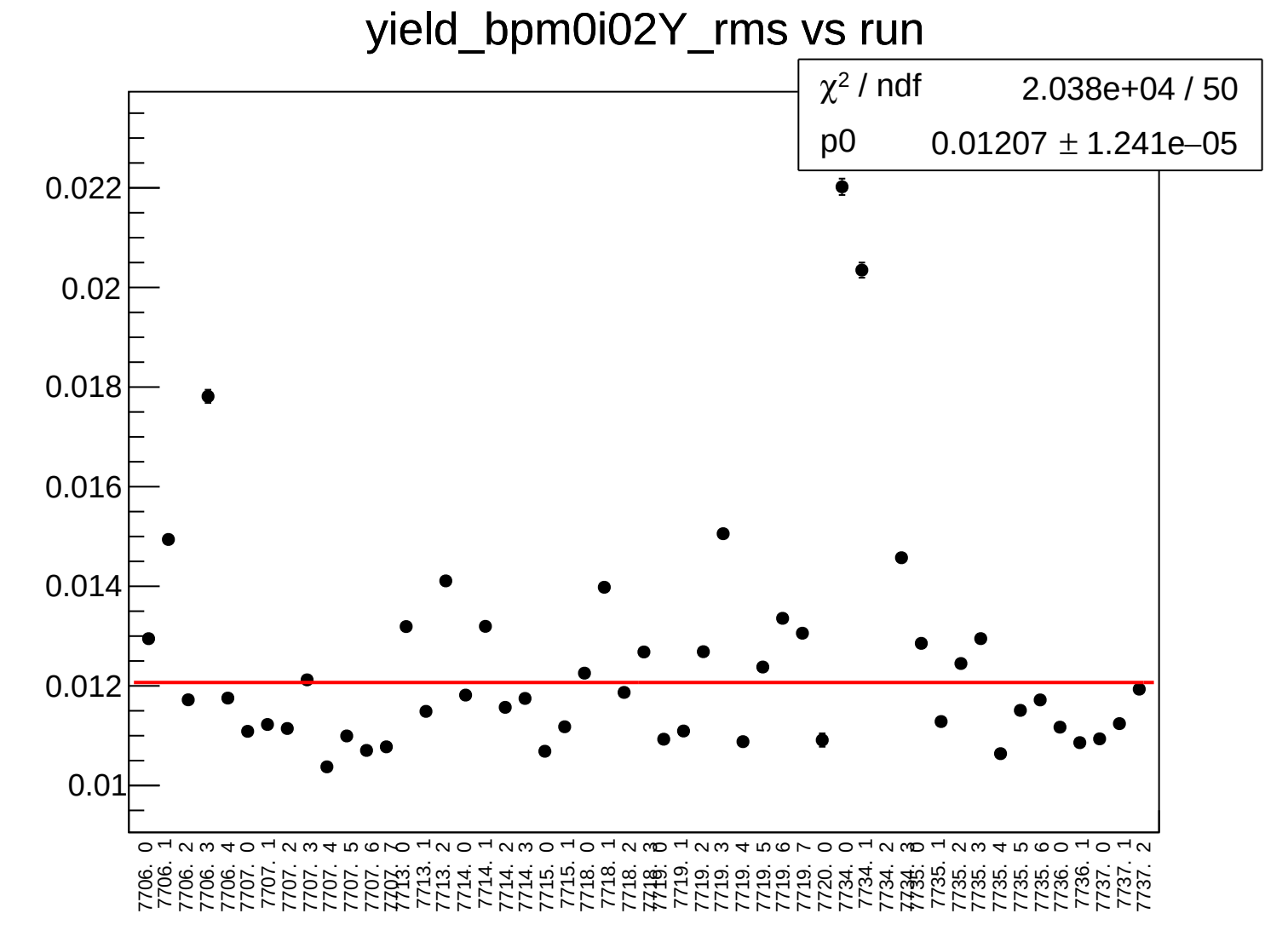

yield_bpm0i02X_mean vs run
χ² / ndf 8.051e+05 / 50
p0 −0.4434 ± 9.923e−06
−0.425
−0.43
−0.435
−0.44
−0.445
−0.45
−0.455
−0.46
pull
Entries 51
Mean −952.8
Std Dev 991.6
200
100
0
−100
−200

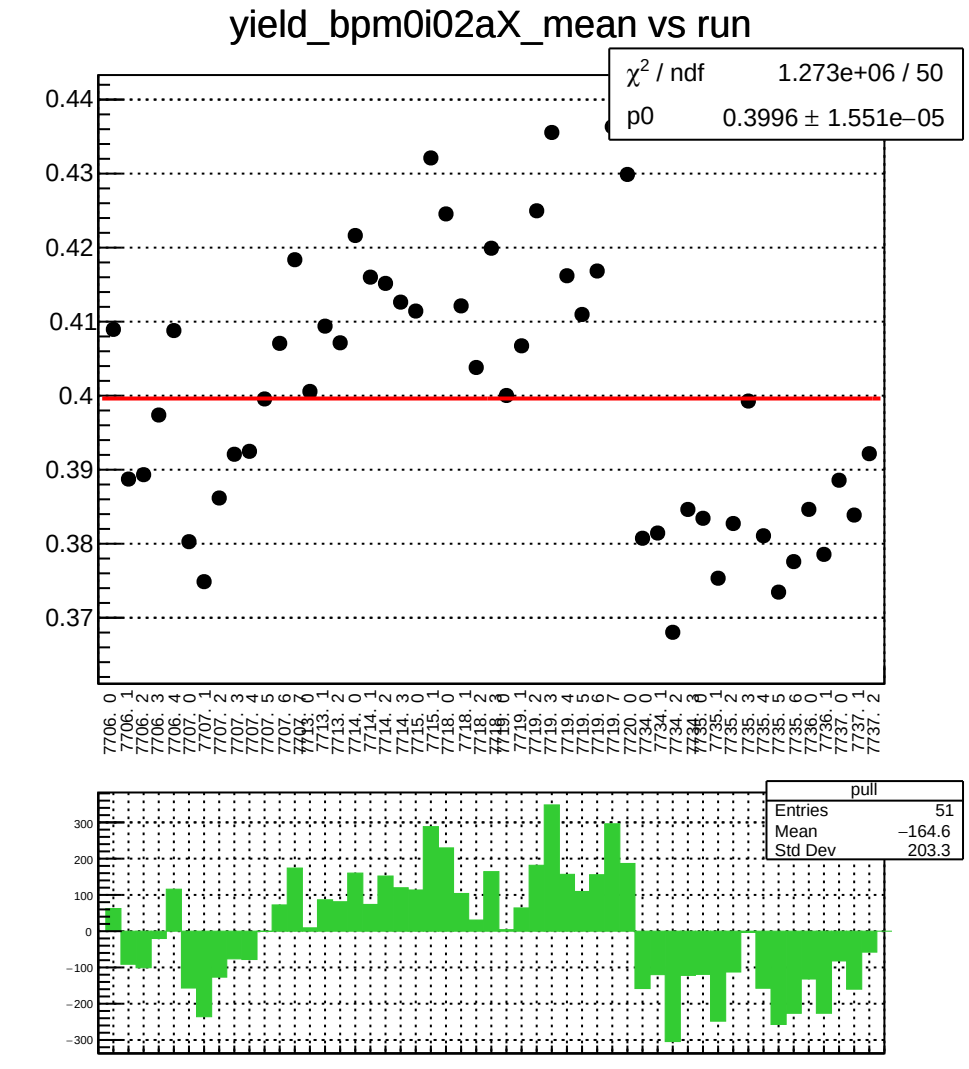

pull1D
Entries 51
Mean −2.045
Std Dev 4.018
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

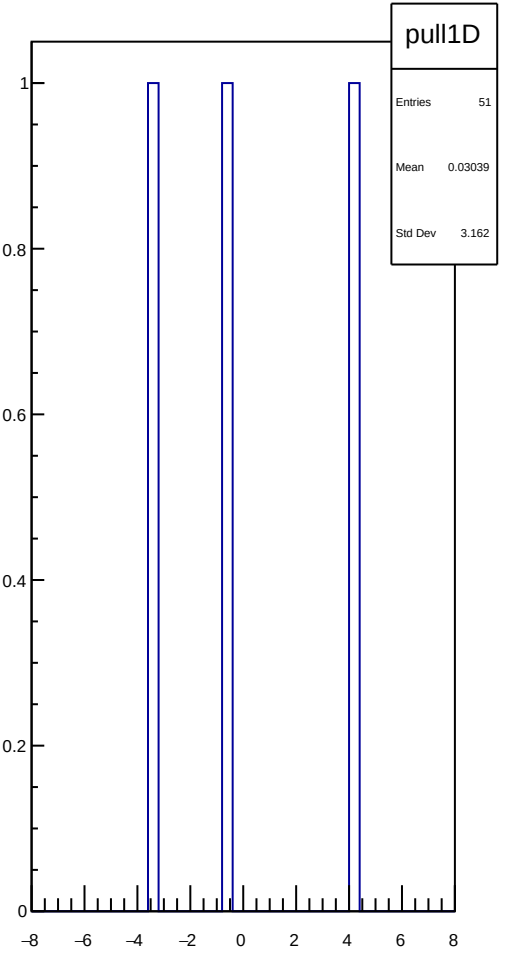

yield_bpm0i02X_rms vs run
χ² / ndf 1.371e+04 / 50
p0 0.006845 ± 7.016e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

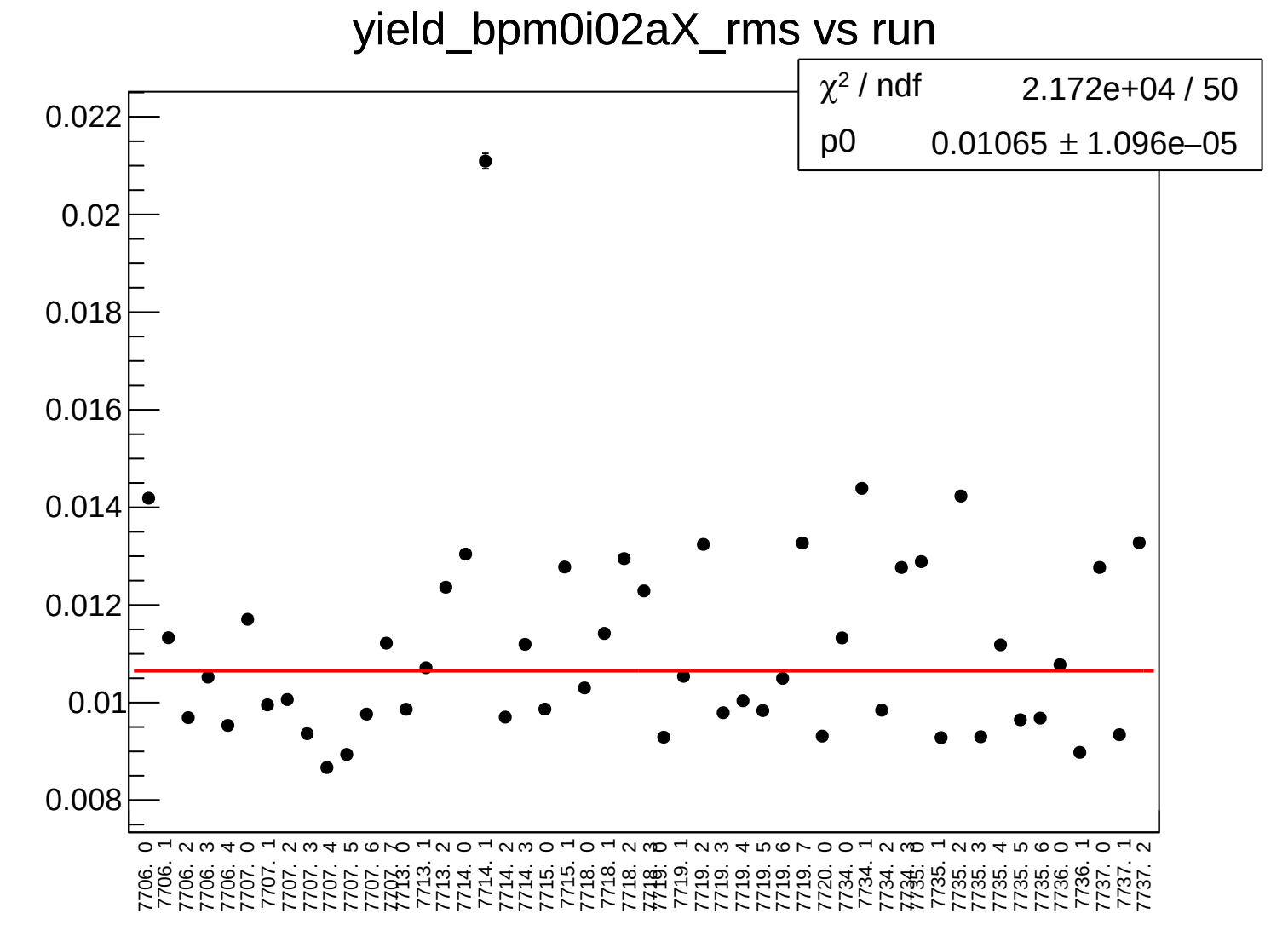

yield_bpm0i02Y_mean vs run
χ² / ndf 1.573e+06 / 50
p0 −3.284 ± 1.756e−05
−3.25
−3.26
−3.27
−3.28
−3.29
−3.3
−3.31
−3.32
−3.33
pull
Entries 51
Mean 892.8
Std Dev 870.5
300
200
100
0
−100
−200
−300
−400

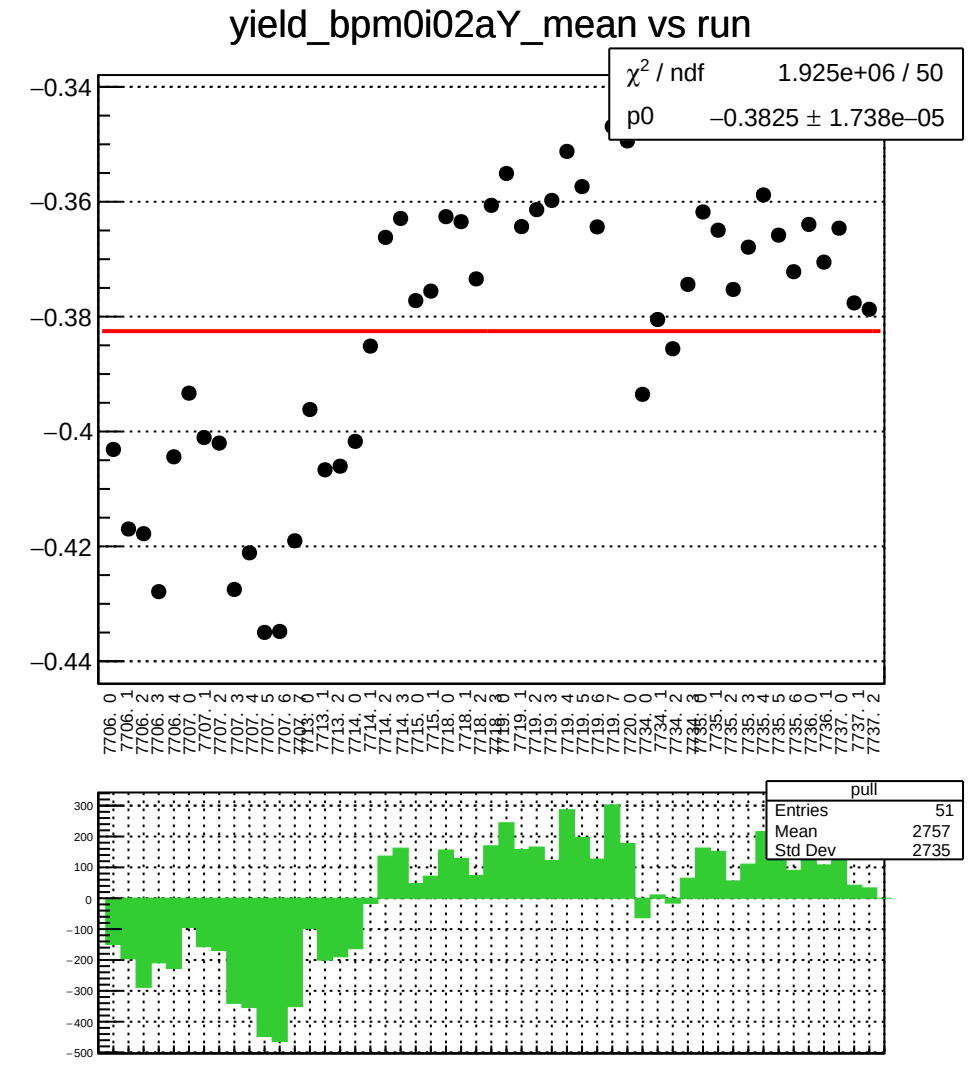

pull1D
Entries 51
Mean −6.101
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

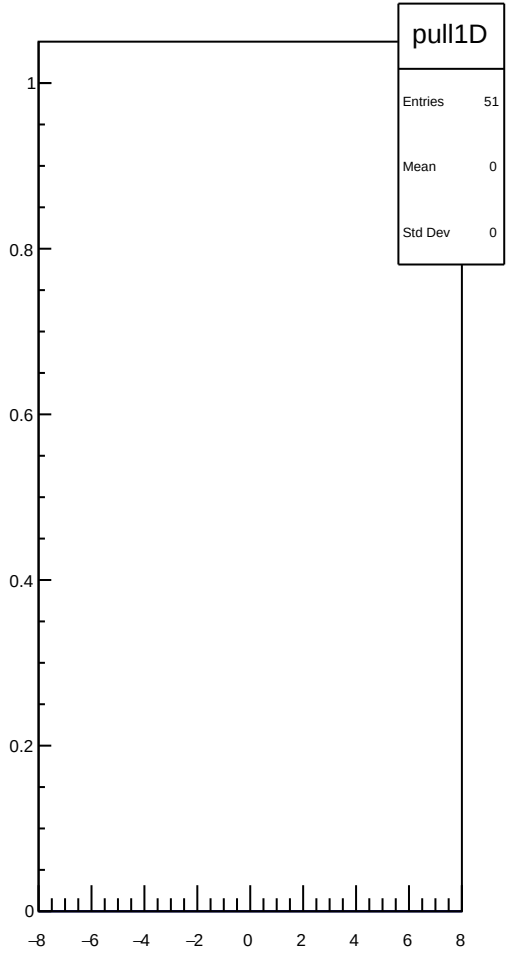

yield_bpm0i02Y_rms vs run
χ² / ndf 2.038e+04 / 50
p0 0.01207 ± 1.241e–05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

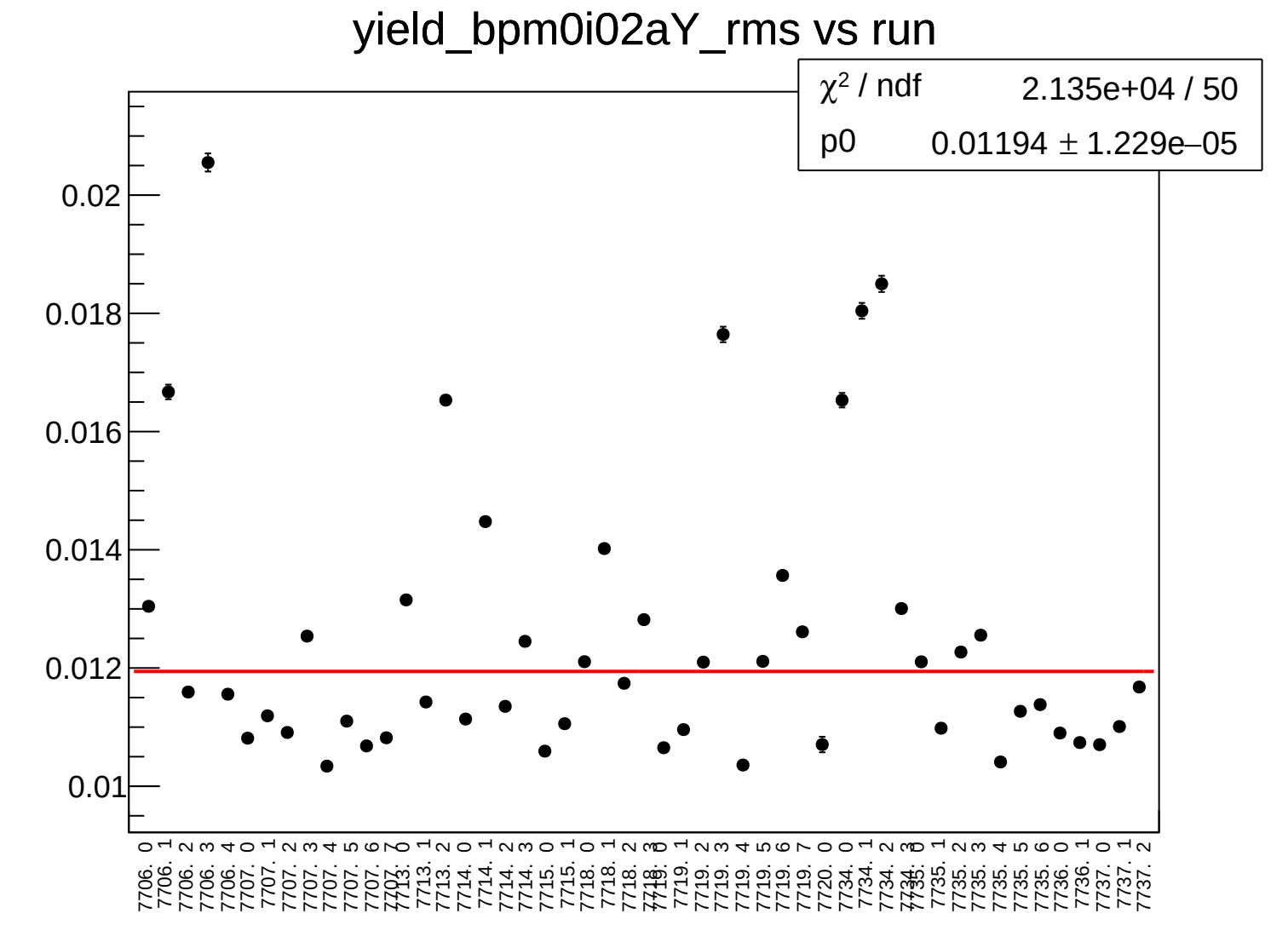

yield_bpm0i02aX_mean vs run
χ² / ndf 1.273e+06 / 50
p0 0.3996 ± 1.551e−05
0.44
0.43
0.42
0.41
0.4
0.39
0.38
0.37
pull
Entries 51
Mean −164.6
Std Dev 203.3
300
200
100
0
−100
−200
−300

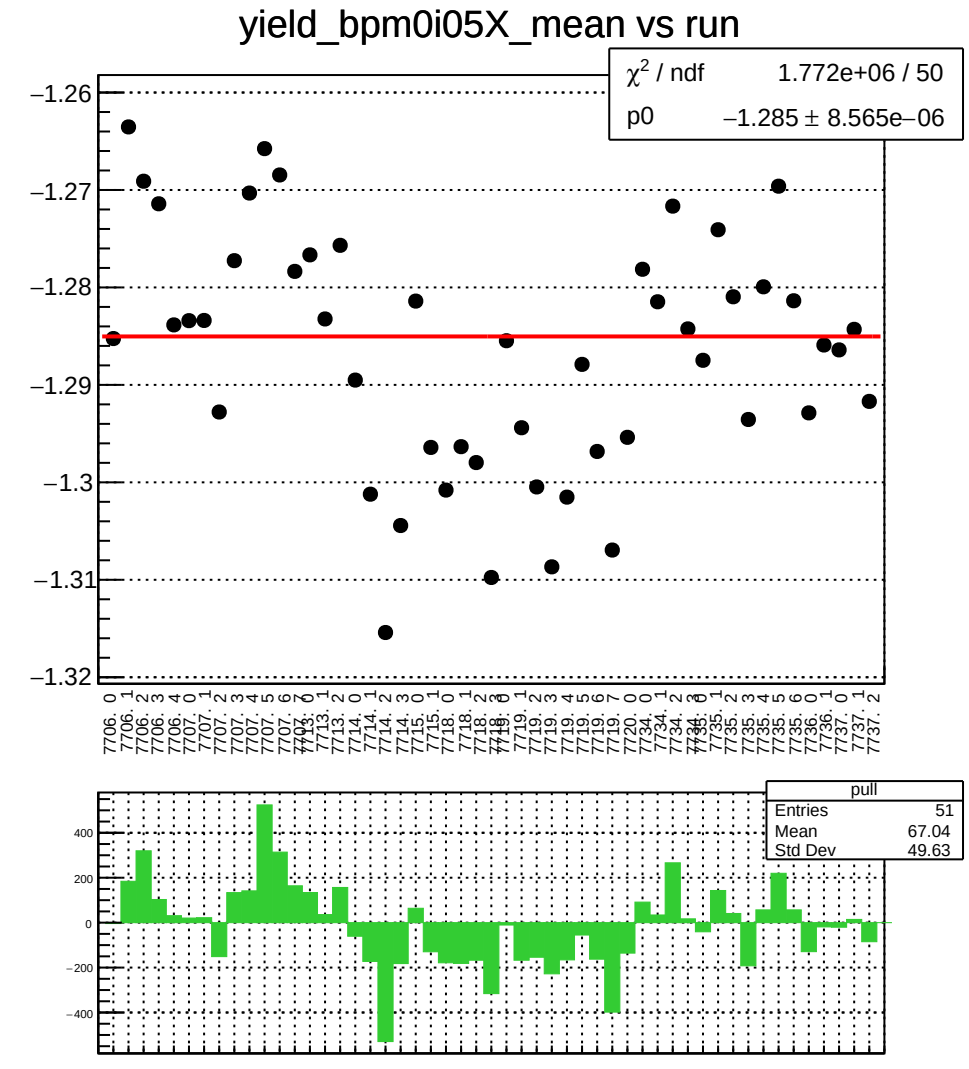

pull1D
Entries 51
Mean 0.03039
Std Dev 3.162
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

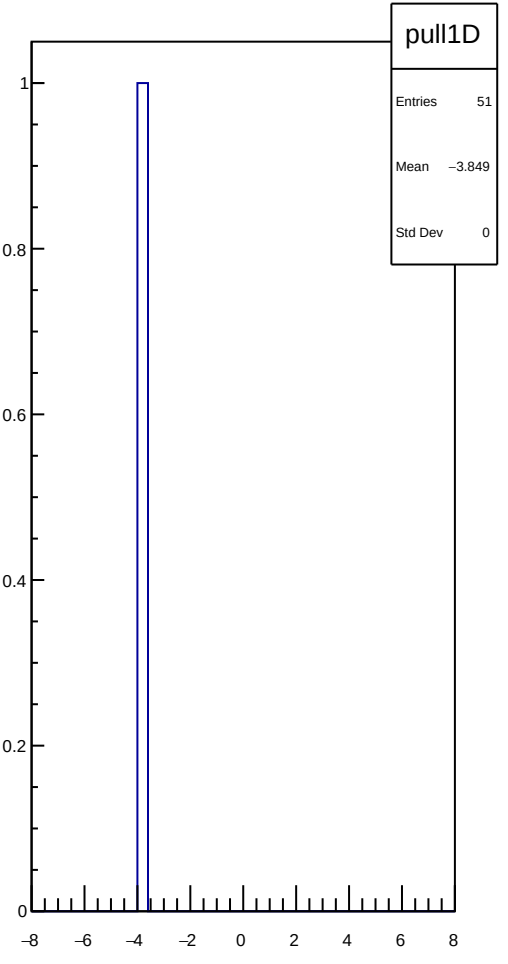

yield_bpm0i02aX_rms vs run
χ² / ndf 2.172e+04 / 50
p0 0.01065 ± 1.096e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

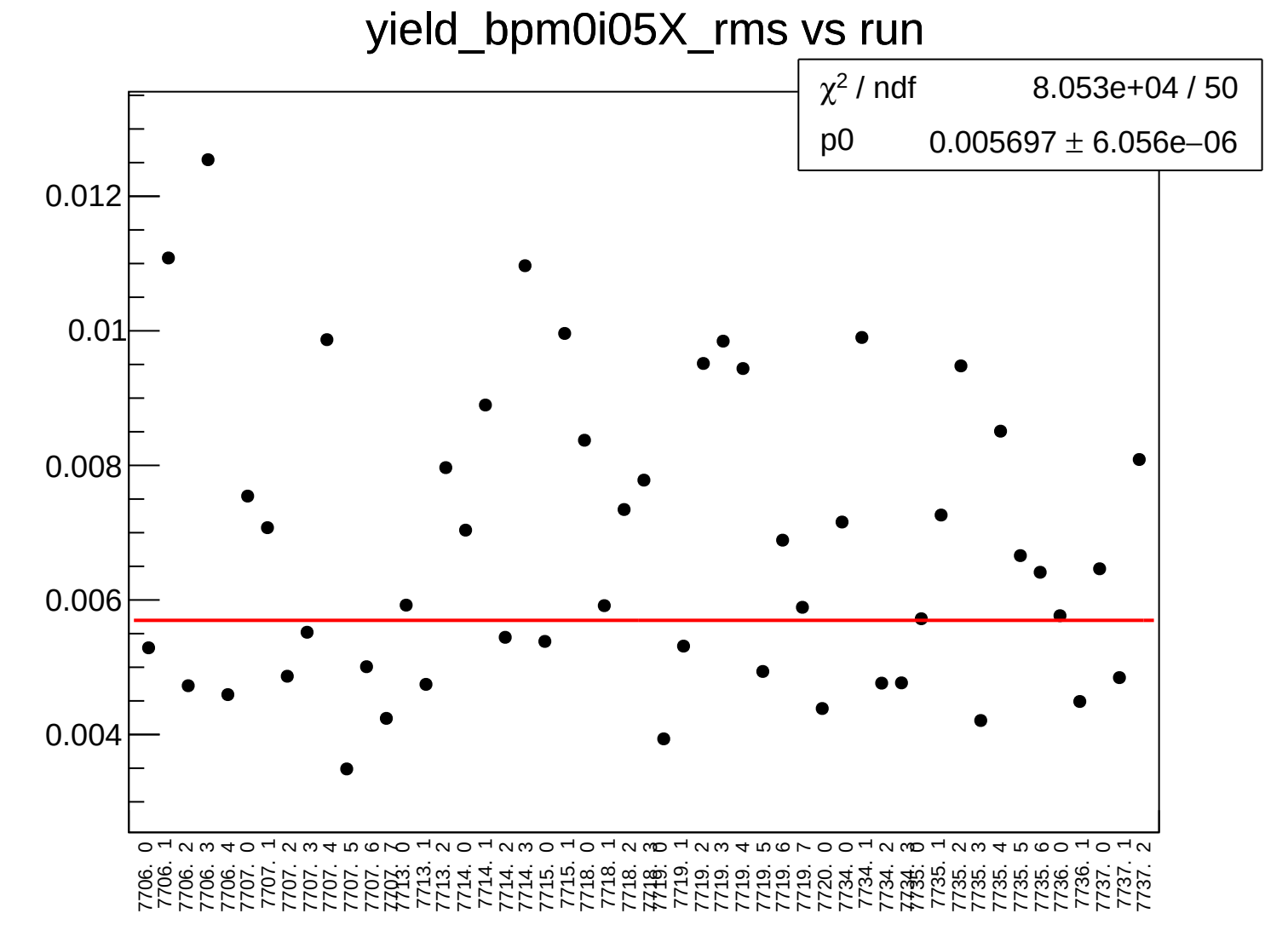

yield_bpm0i02aY_mean vs run
χ² / ndf 1.925e+06 / 50
p0 −0.3825 ± 1.738e−05
pull
Entries 51
Mean 2757
Std Dev 2735

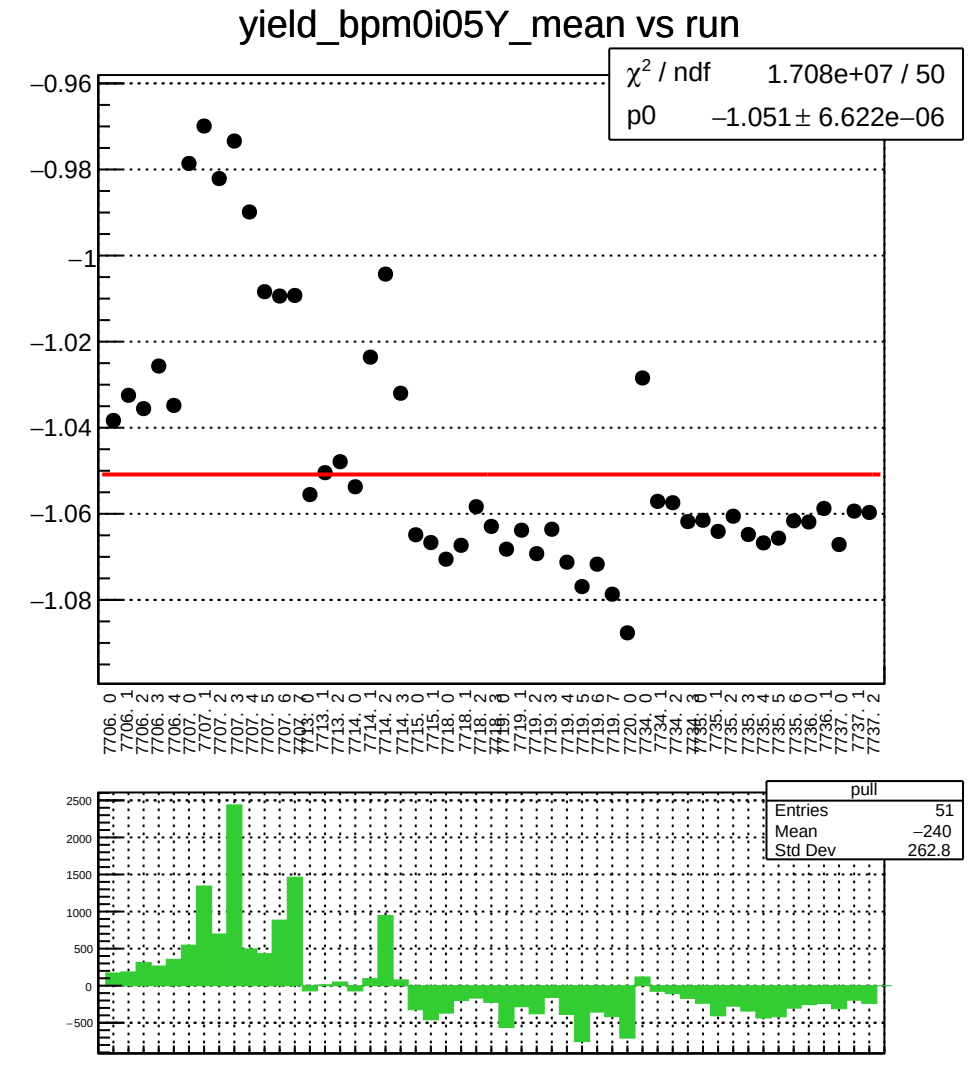

pull1D
Entries 51
Mean 0
Std Dev 0

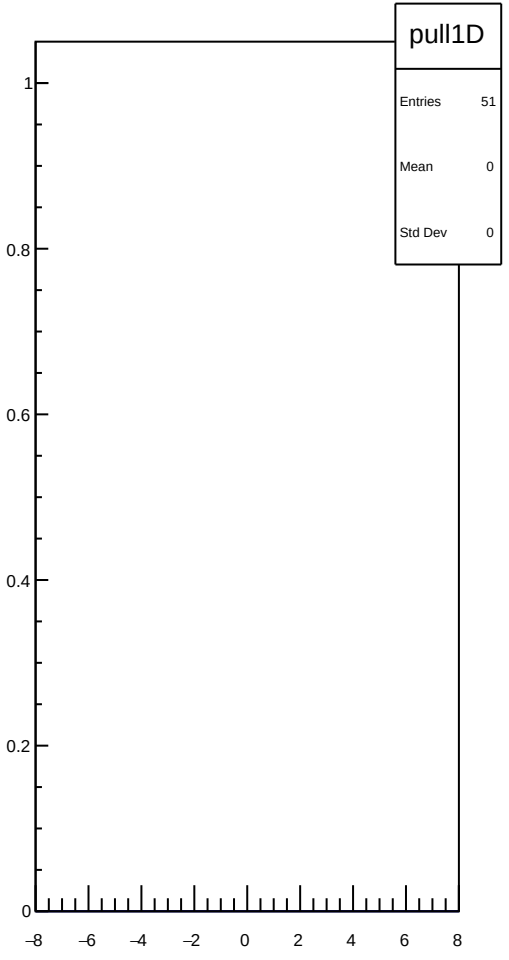

yield_bpm0i02aY_rms vs run
χ² / ndf 2.135e+04 / 50
p0 0.01194 ± 1.229e–05
0.02
0.018
0.016
0.014
0.012
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

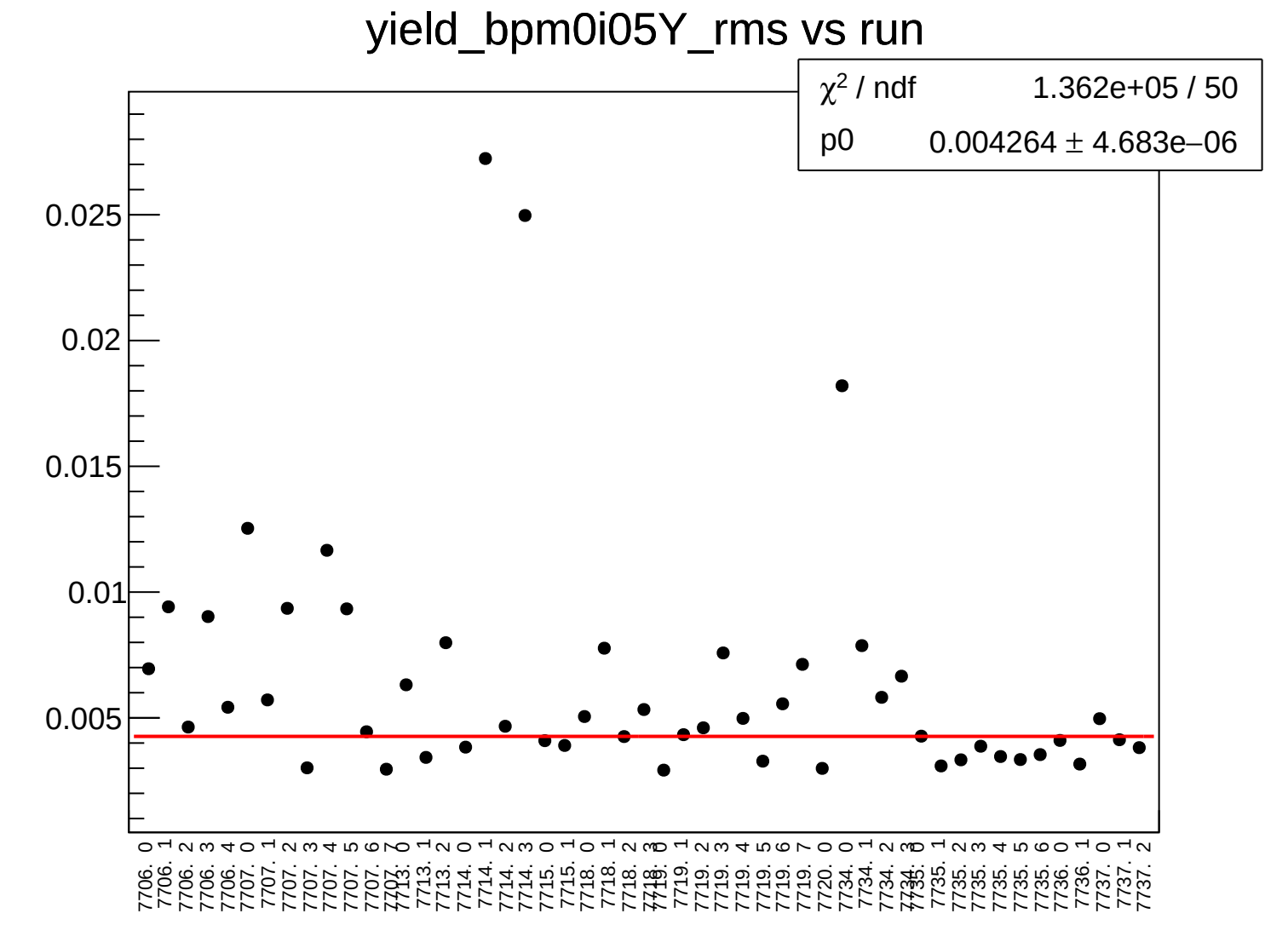

yield_bpm0i05X_mean vs run
χ² / ndf 1.772e+06 / 50
p0 −1.285 ± 8.565e−06
−1.26
−1.27
−1.28
−1.29
−1.3
−1.31
−1.32
pull
Entries 51
Mean 67.04
Std Dev 49.63
400
200
0
−200
−400

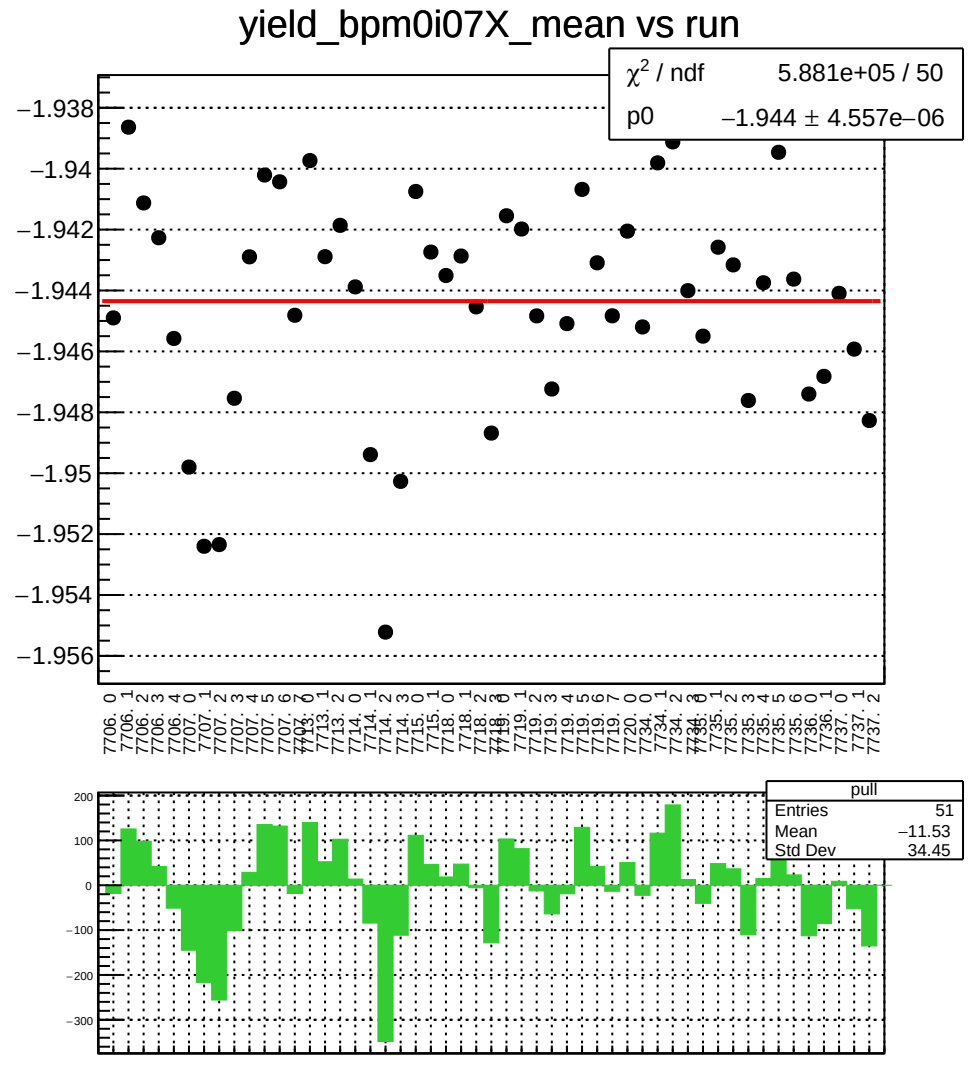

pull1D
Entries 51
Mean −3.849
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

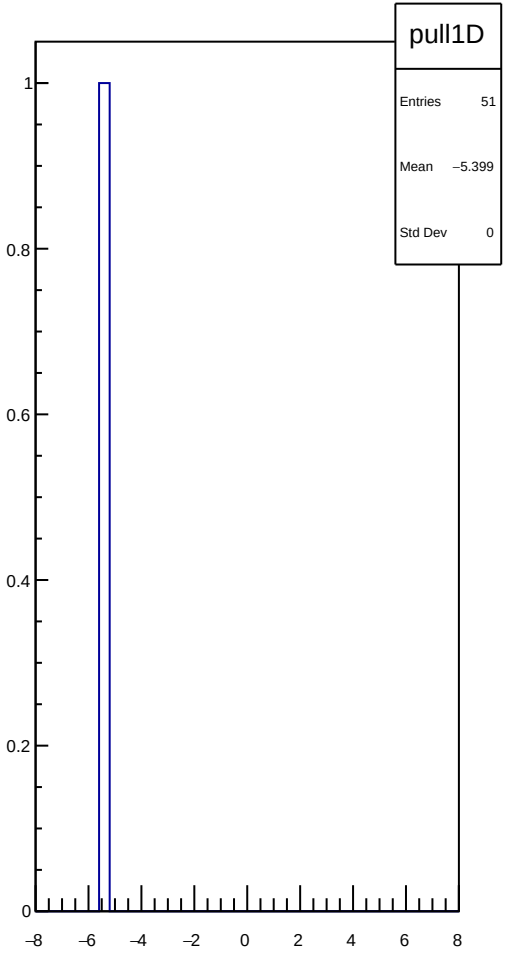

yield_bpm0i05X_rms vs run
χ² / ndf 8.053e+04 / 50
p0 0.005697 ± 6.056e−06
0.012
0.01
0.008
0.006
0.004
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

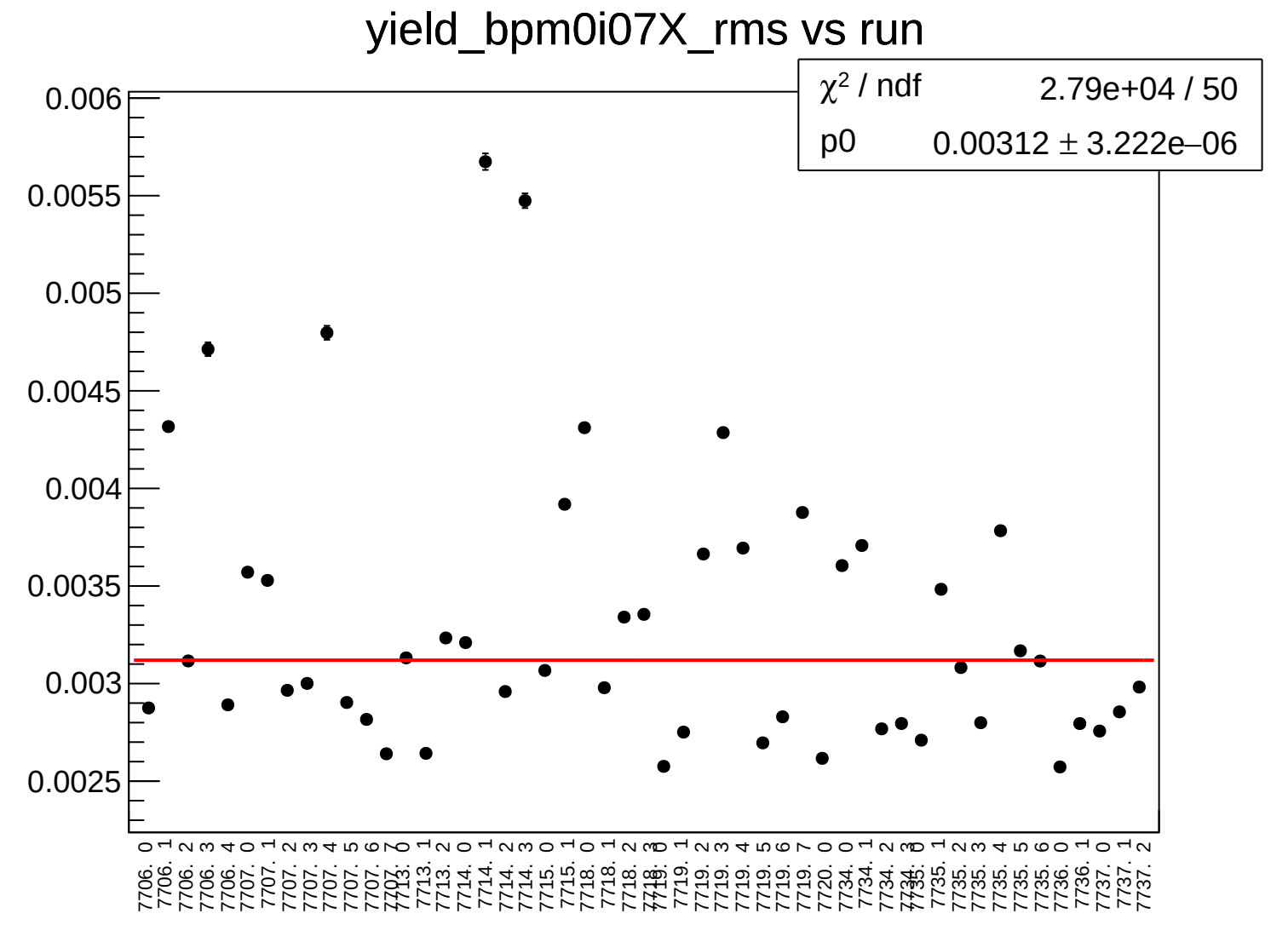

yield_bpm0i05Y_mean vs run
χ² / ndf 1.708e+07 / 50
p0 −1.051 ± 6.622e−06
−0.96
−0.98
−1
−1.02
−1.04
−1.06
−1.08
pull
Entries 51
Mean −240
Std Dev 262.8
2500
2000
1500
1000
500
0
−500

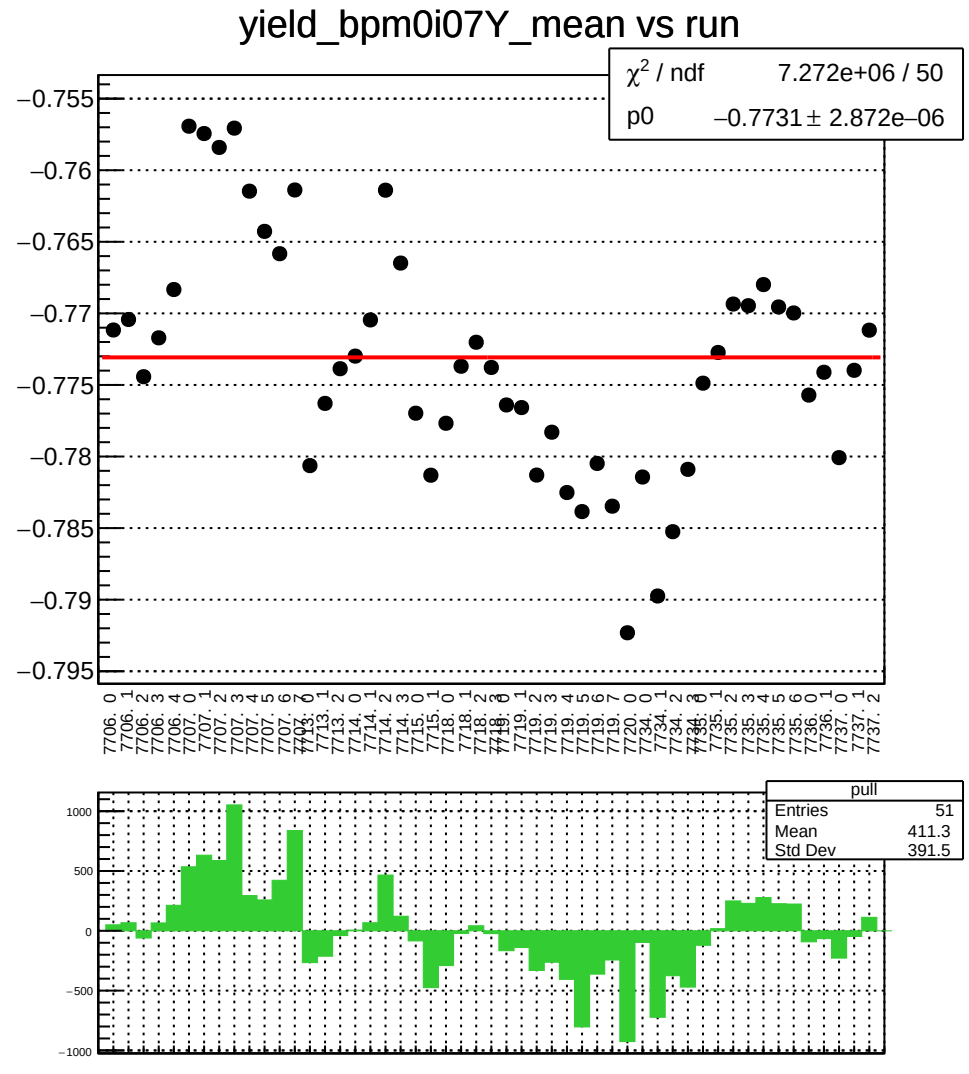

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

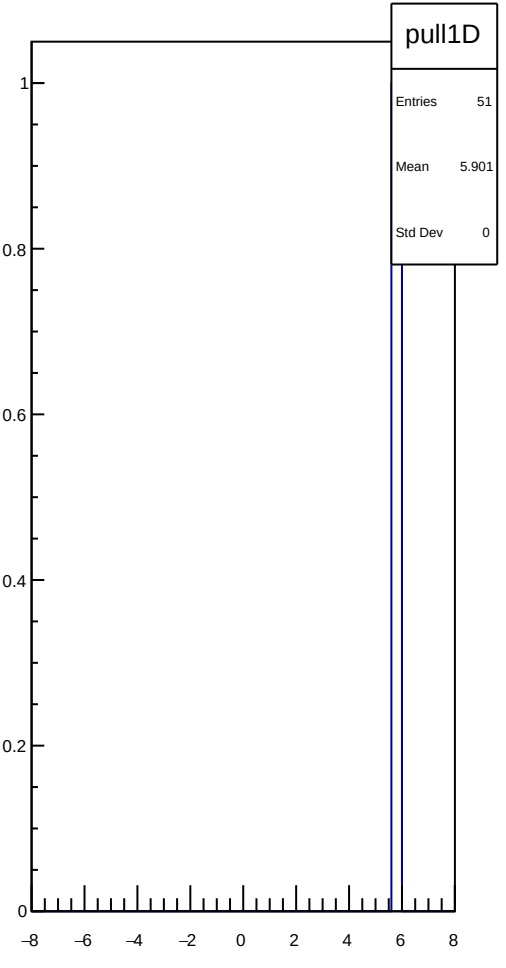

yield_bpm0i05Y_rms vs run
χ² / ndf 1.362e+05 / 50
p0 0.004264 ± 4.683e−06
0.025
0.02
0.015
0.01
0.005
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

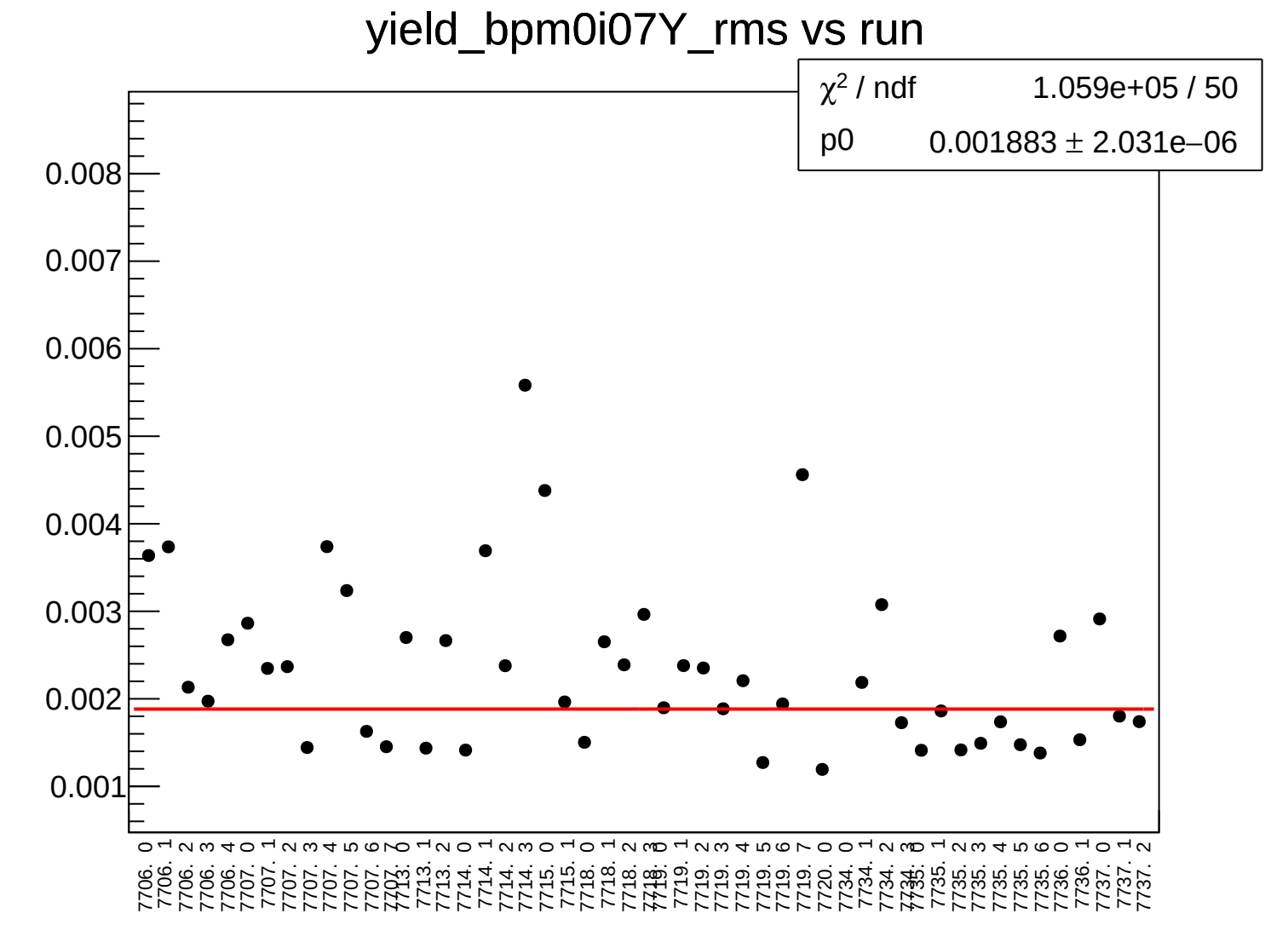

yield_bpm0i07X_mean vs run
χ² / ndf 5.881e+05 / 50
p0 −1.944 ± 4.557e−06
−1.938
−1.94
−1.942
−1.944
−1.946
−1.948
−1.95
−1.952
−1.954
−1.956
pull
Entries 51
Mean −11.53
Std Dev 34.45
200
100
0
−100
−200
−300

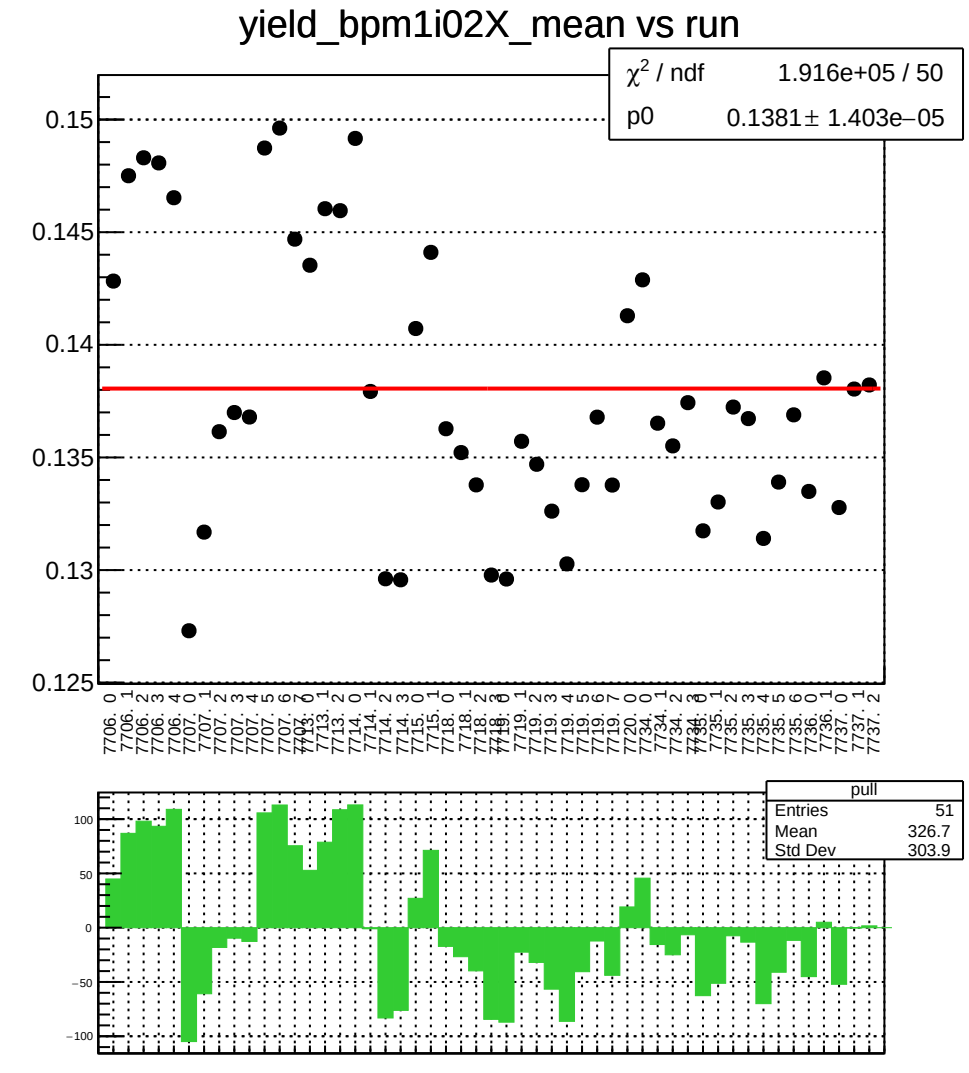

pull1D
Entries 51
Mean −5.399
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

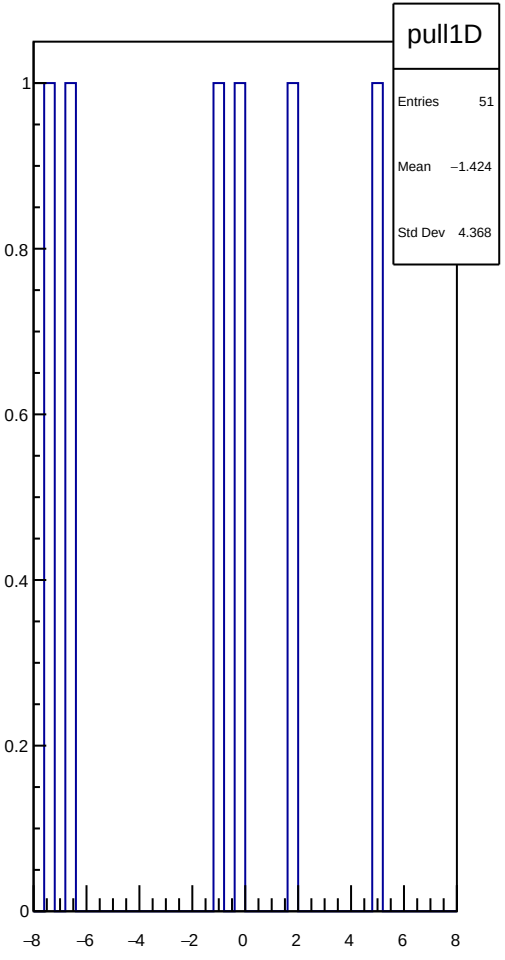

yield_bpm0i07X_rms vs run
χ² / ndf 2.79e+04 / 50
p0 0.00312 ± 3.222e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

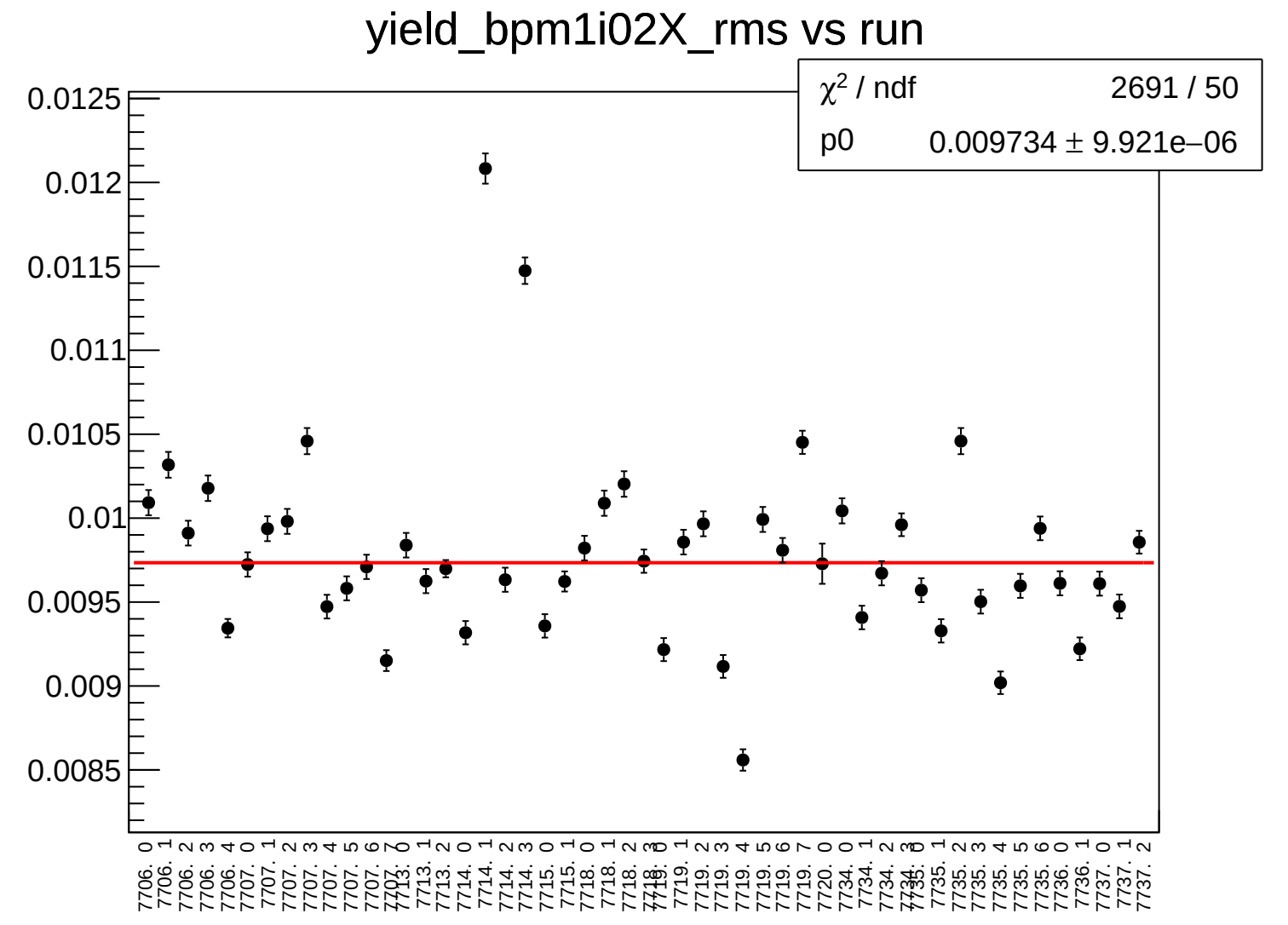

yield_bpm0i07Y_mean vs run
χ² / ndf 7.272e+06 / 50
p0 −0.7731 ± 2.872e−06
pull
Entries 51
Mean 411.3
Std Dev 391.5

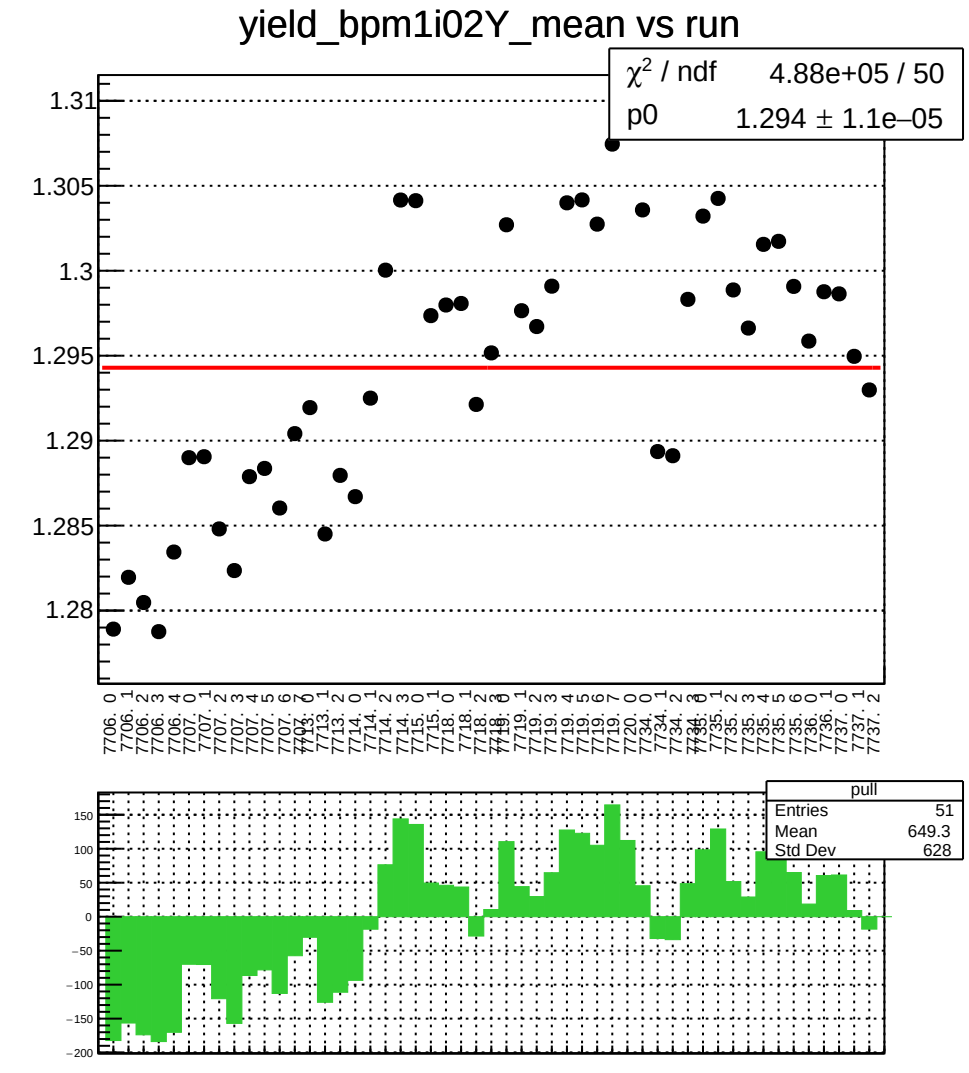

pull1D
Entries 51
Mean 5.901
Std Dev 0

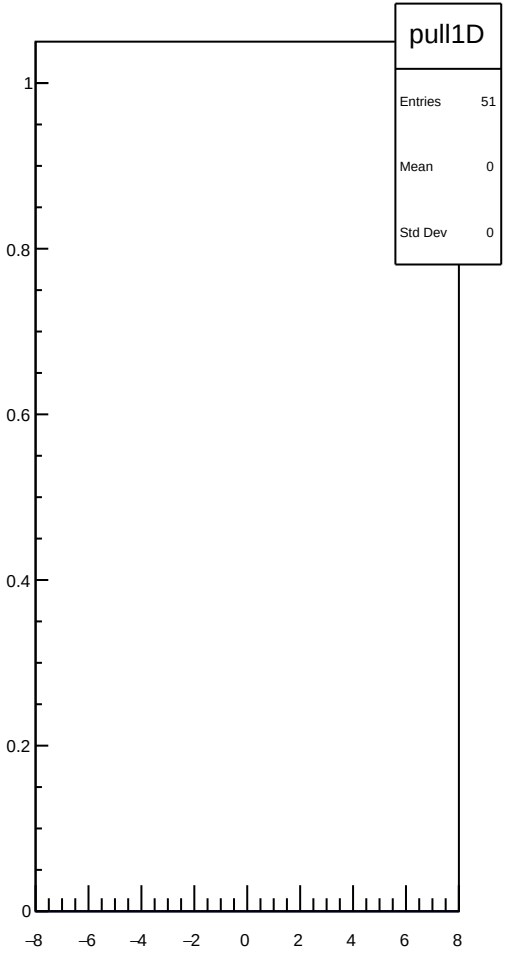

yield_bpm0i07Y_rms vs run
χ² / ndf 1.059e+05 / 50
p0 0.001883 ± 2.031e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

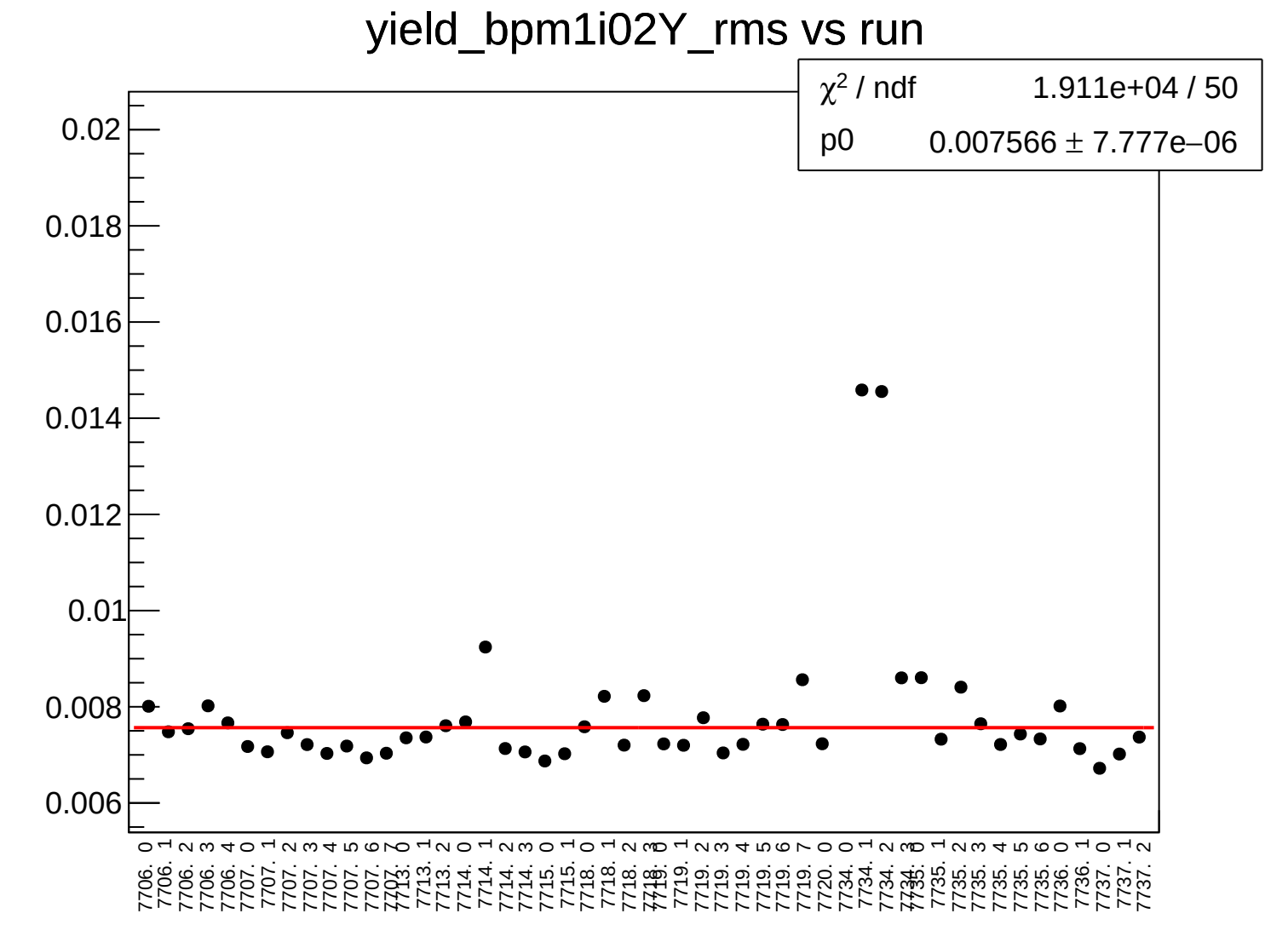

yield_bpm1i02X_mean vs run
χ² / ndf 1.916e+05 / 50
p0 0.1381 ± 1.403e−05
0.15
0.145
0.14
0.135
0.13
0.125
pull
Entries 51
Mean 326.7
Std Dev 303.9
100
50
0
−50
−100

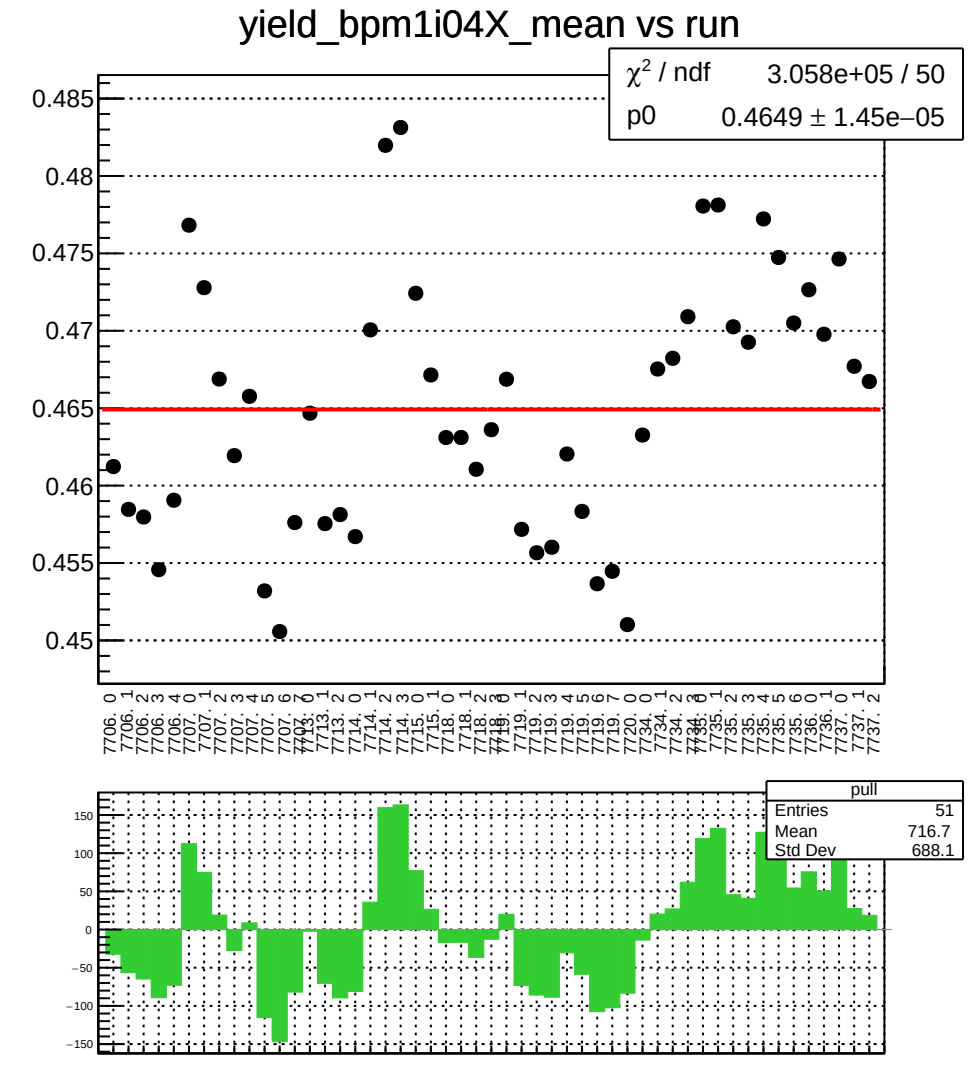

pull1D
Entries 51
Mean −1.424
Std Dev 4.368
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

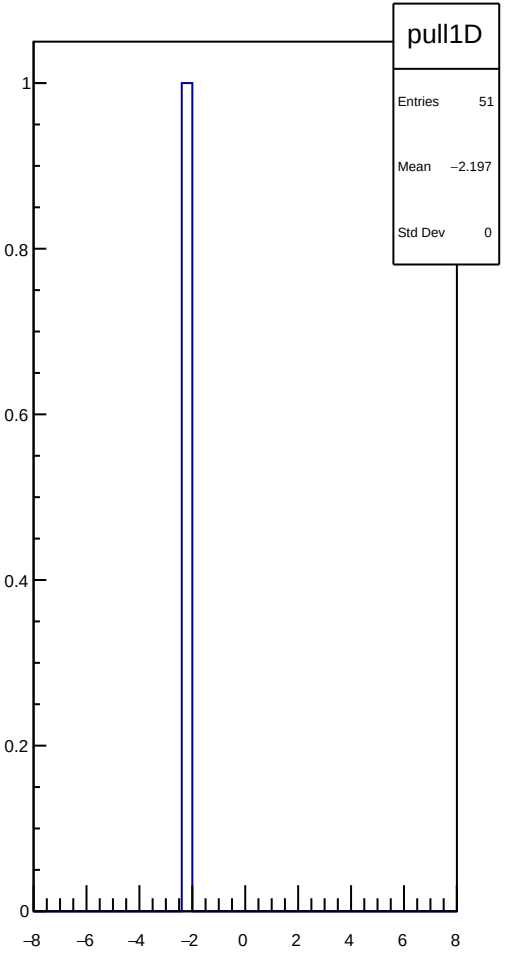

yield_bpm1i02X_rms vs run
χ² / ndf 2691 / 50
p0 0.009734 ± 9.921e−06
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

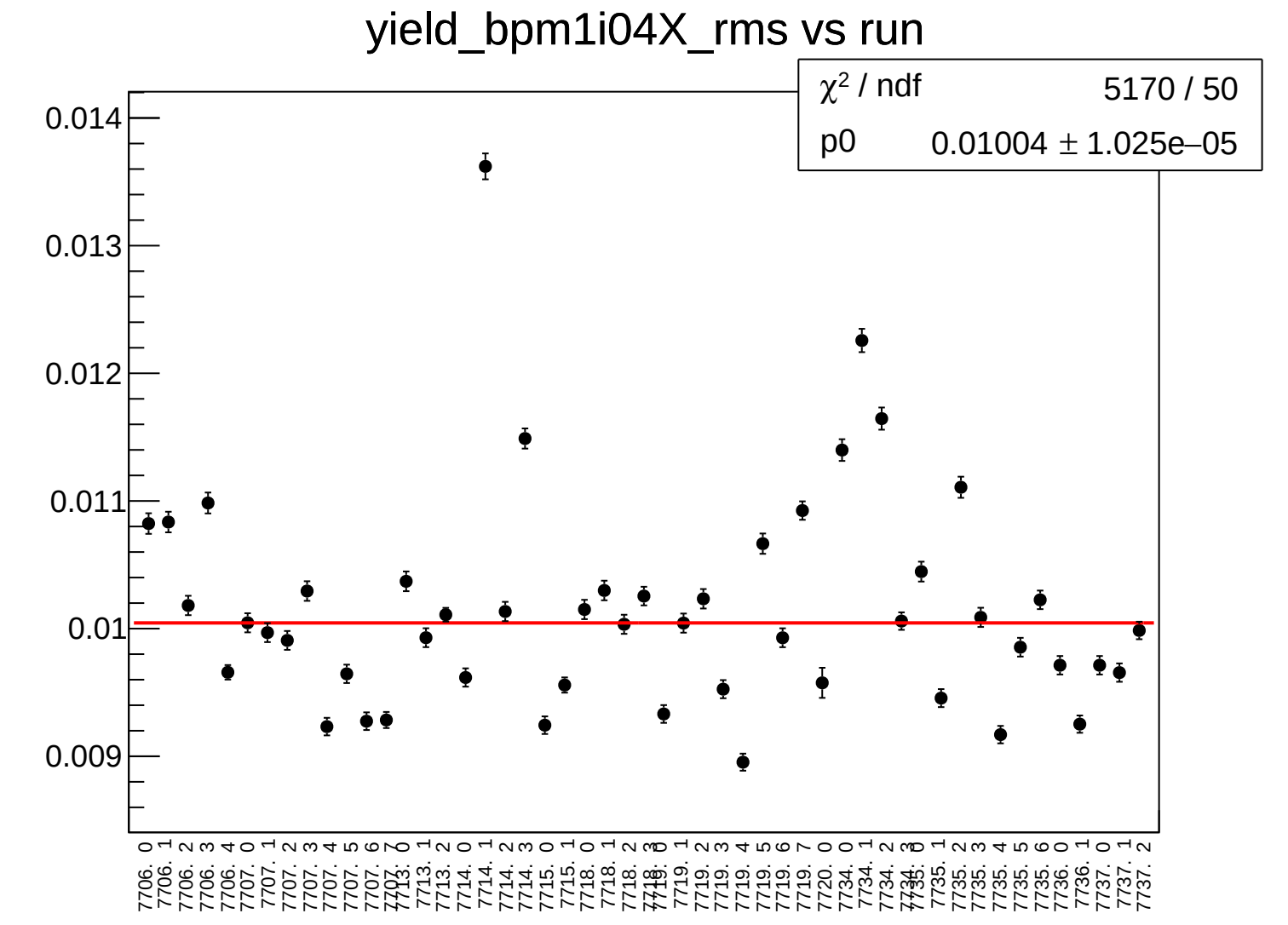

yield_bpm1i02Y_mean vs run
χ² / ndf 4.88e+05 / 50
p0 1.294 ± 1.1e−05
1.31
1.305
1.3
1.295
1.29
1.285
1.28
pull
Entries 51
Mean 649.3
Std Dev 628
150
100
50
0
−50
−100
−150
−200

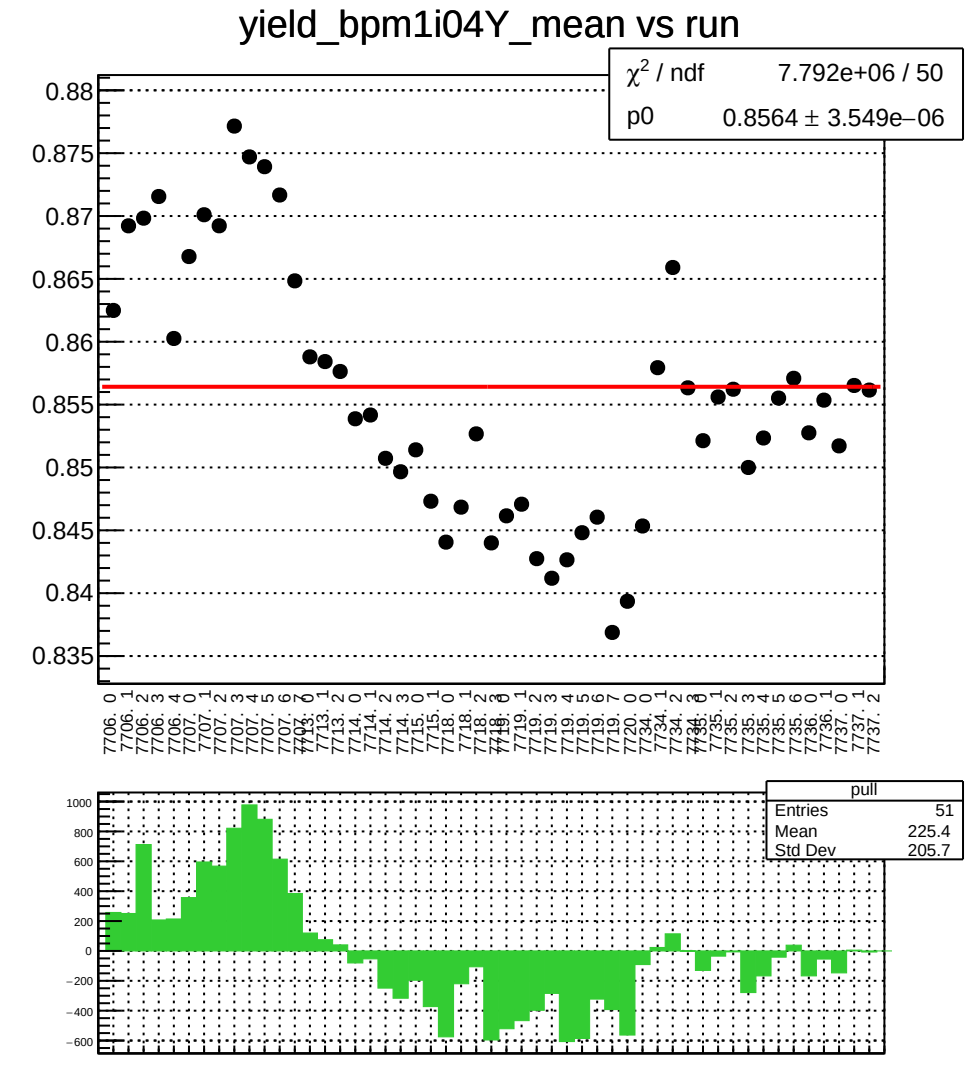

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

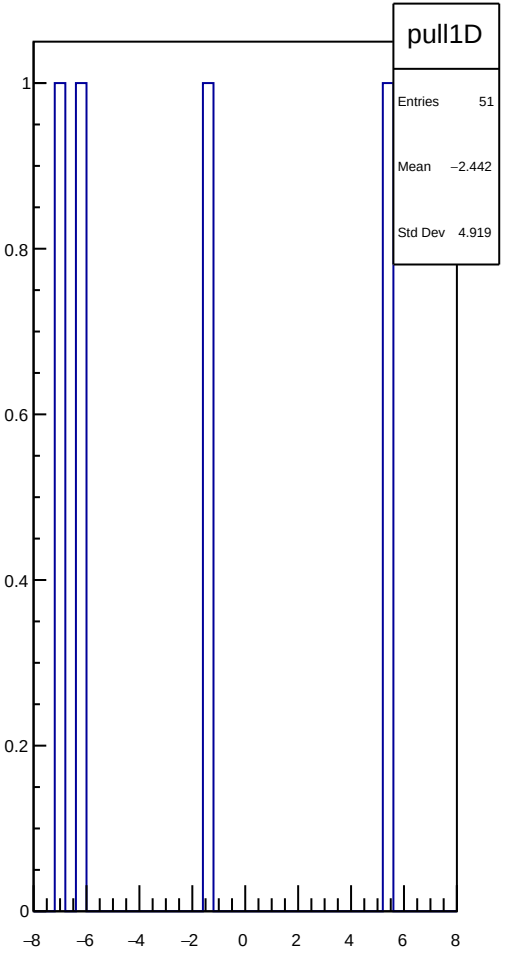

yield_bpm1i02Y_rms vs run
χ² / ndf 1.911e+04 / 50
p0 0.007566 ± 7.777e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

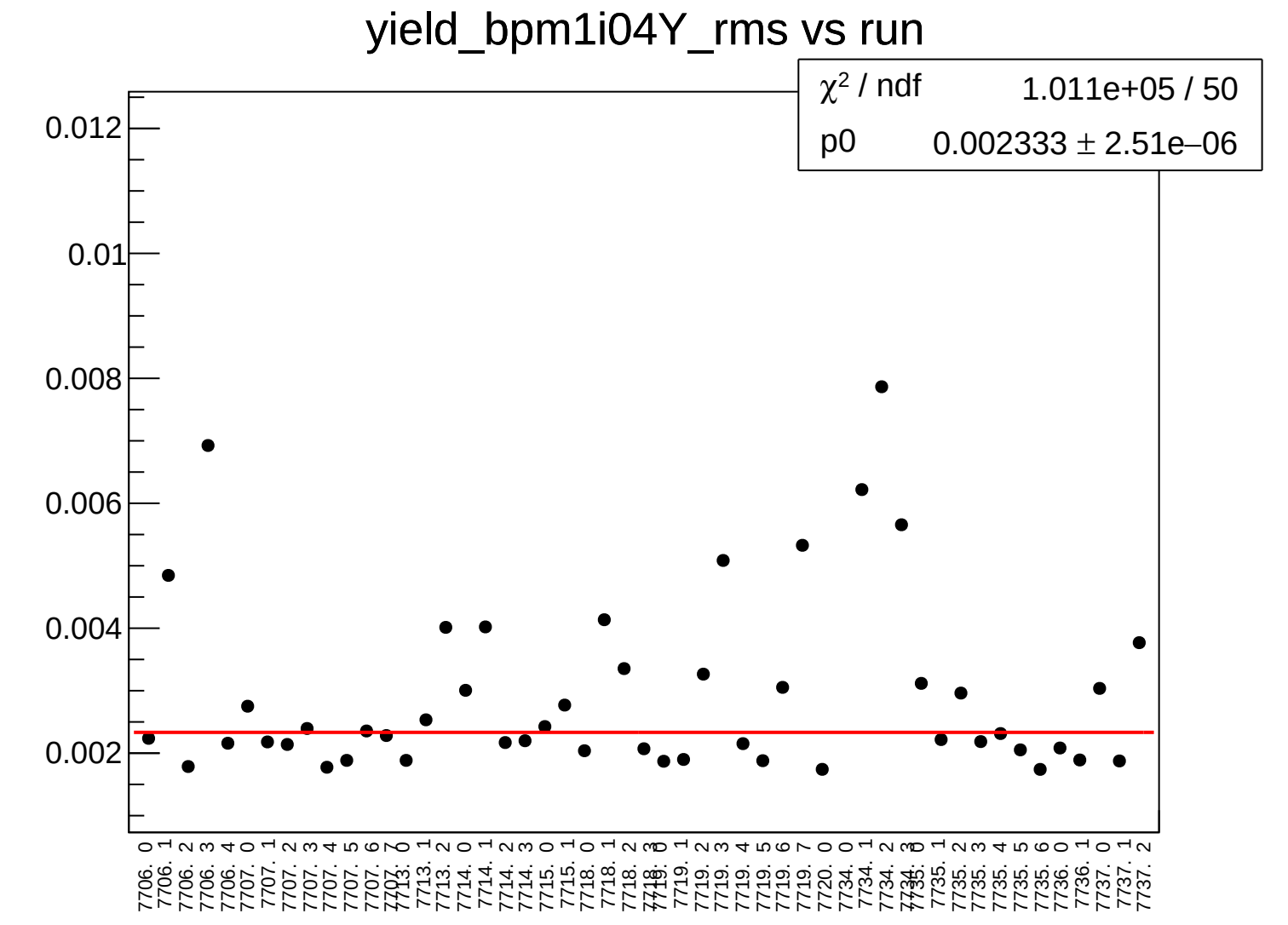

yield_bpm1i04X_mean vs run
χ² / ndf 3.058e+05 / 50
p0 0.4649 ± 1.45e−05
0.485
0.48
0.475
0.47
0.465
0.46
0.455
0.45
pull
Entries 51
Mean 716.7
Std Dev 688.1
150
100
50
0
−50
−100
−150

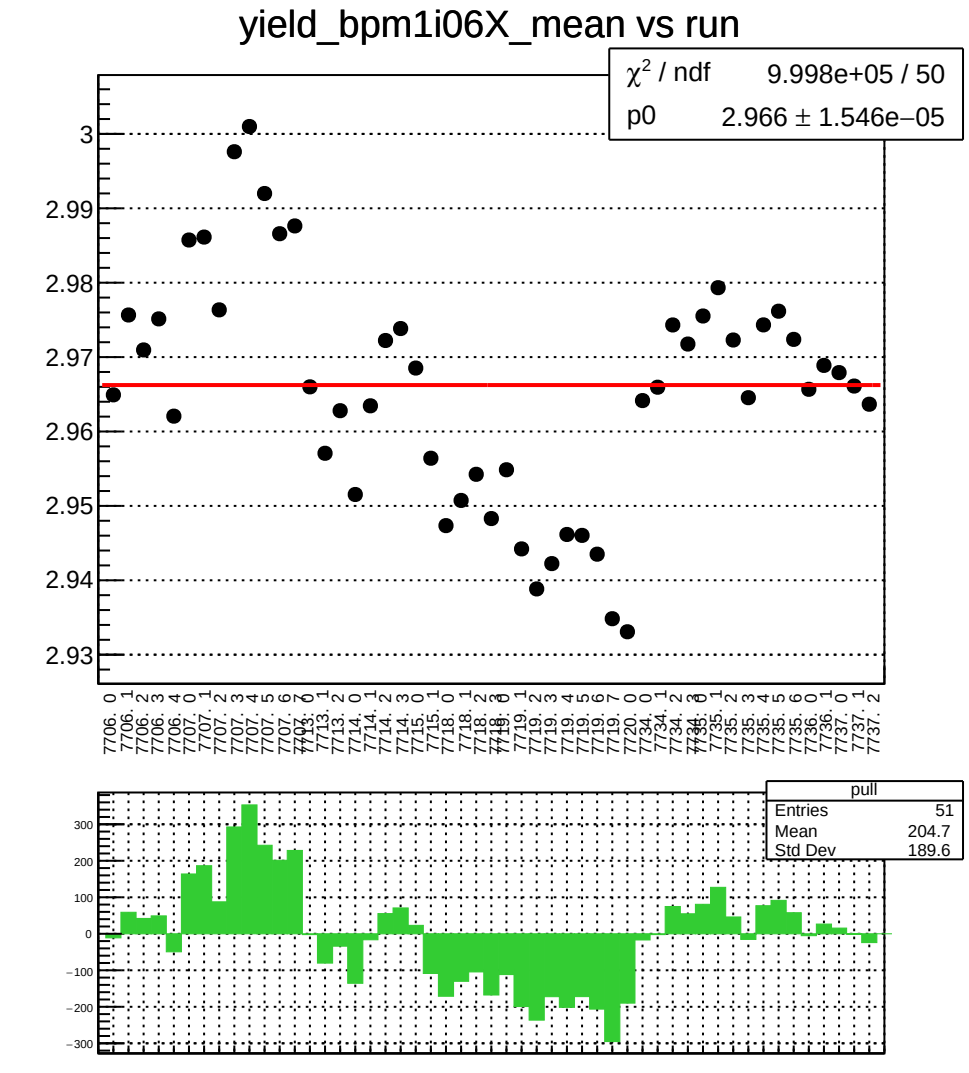

pull1D
Entries 51
Mean −2.197
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

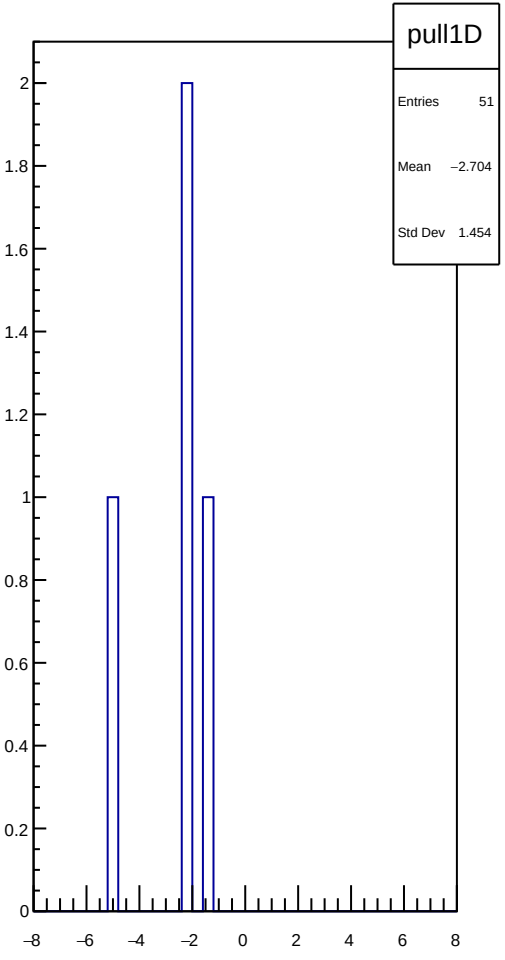

yield_bpm1i04X_rms vs run
χ² / ndf 5170 / 50
p0 0.01004 ± 1.025e−05
0.014
0.013
0.012
0.011
0.01
0.009
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

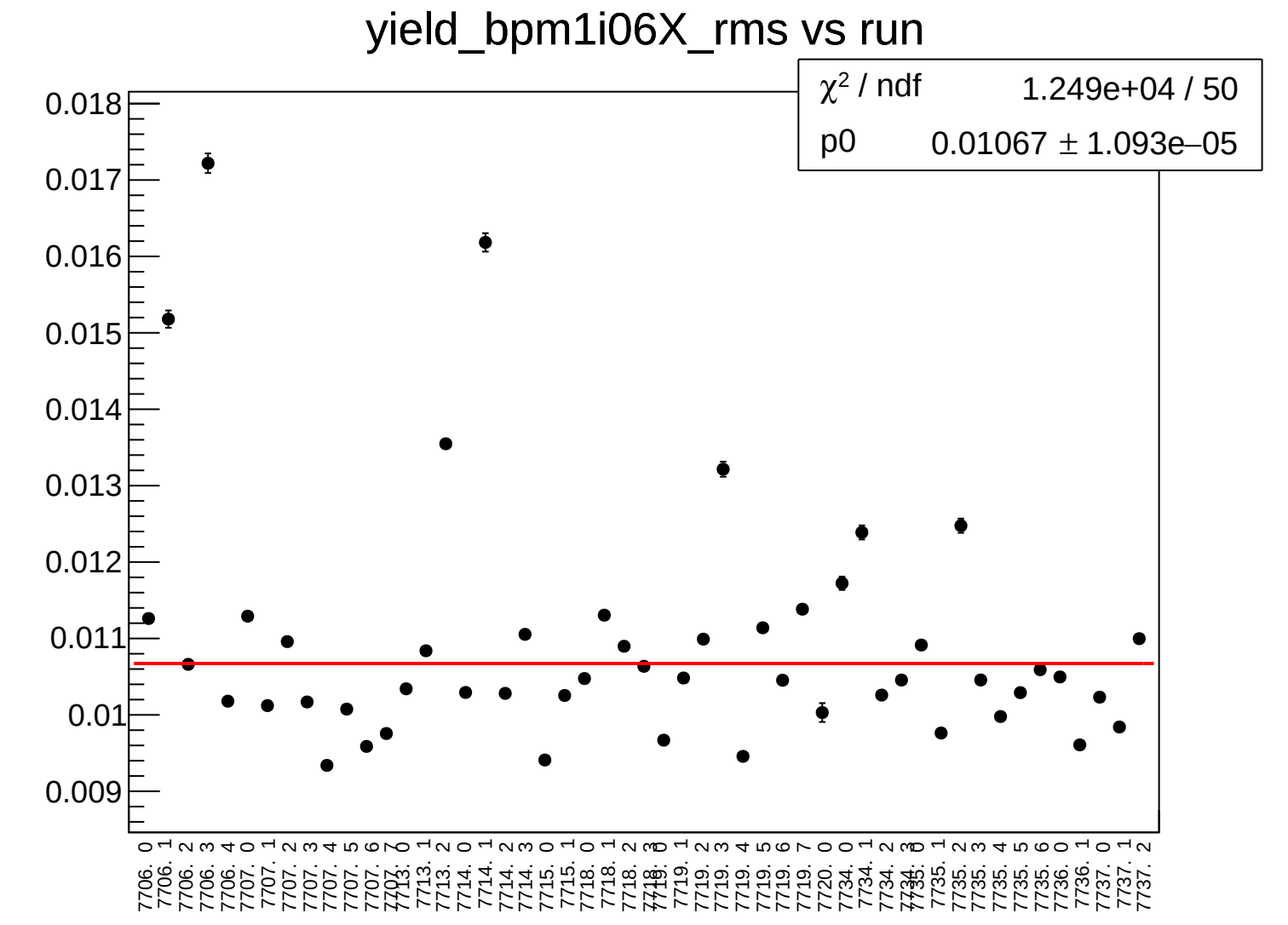

yield_bpm1i04Y_mean vs run
χ² / ndf 7.792e+06 / 50
p0 0.8564 ± 3.549e−06
pull
Entries 51
Mean 225.4
Std Dev 205.7

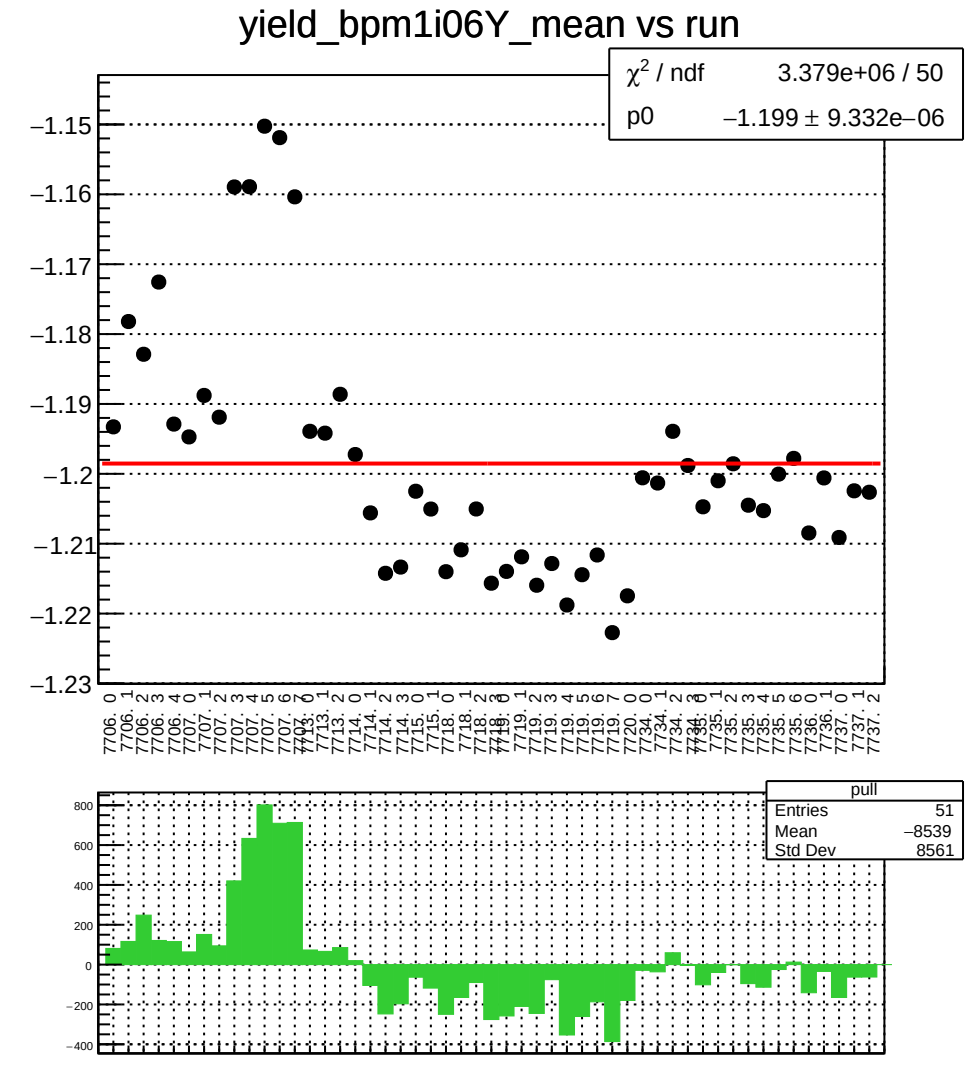

pull1D
Entries 51
Mean −2.442
Std Dev 4.919

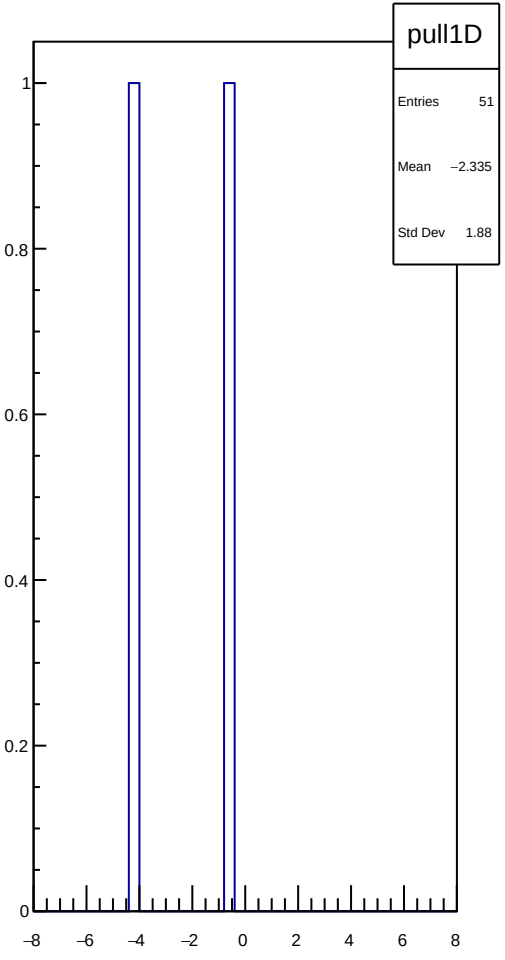

yield_bpm1i04Y_rms vs run
χ² / ndf 1.011e+05 / 50
p0 0.002333 ± 2.51e−06
0.012
0.01
0.008
0.006
0.004
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

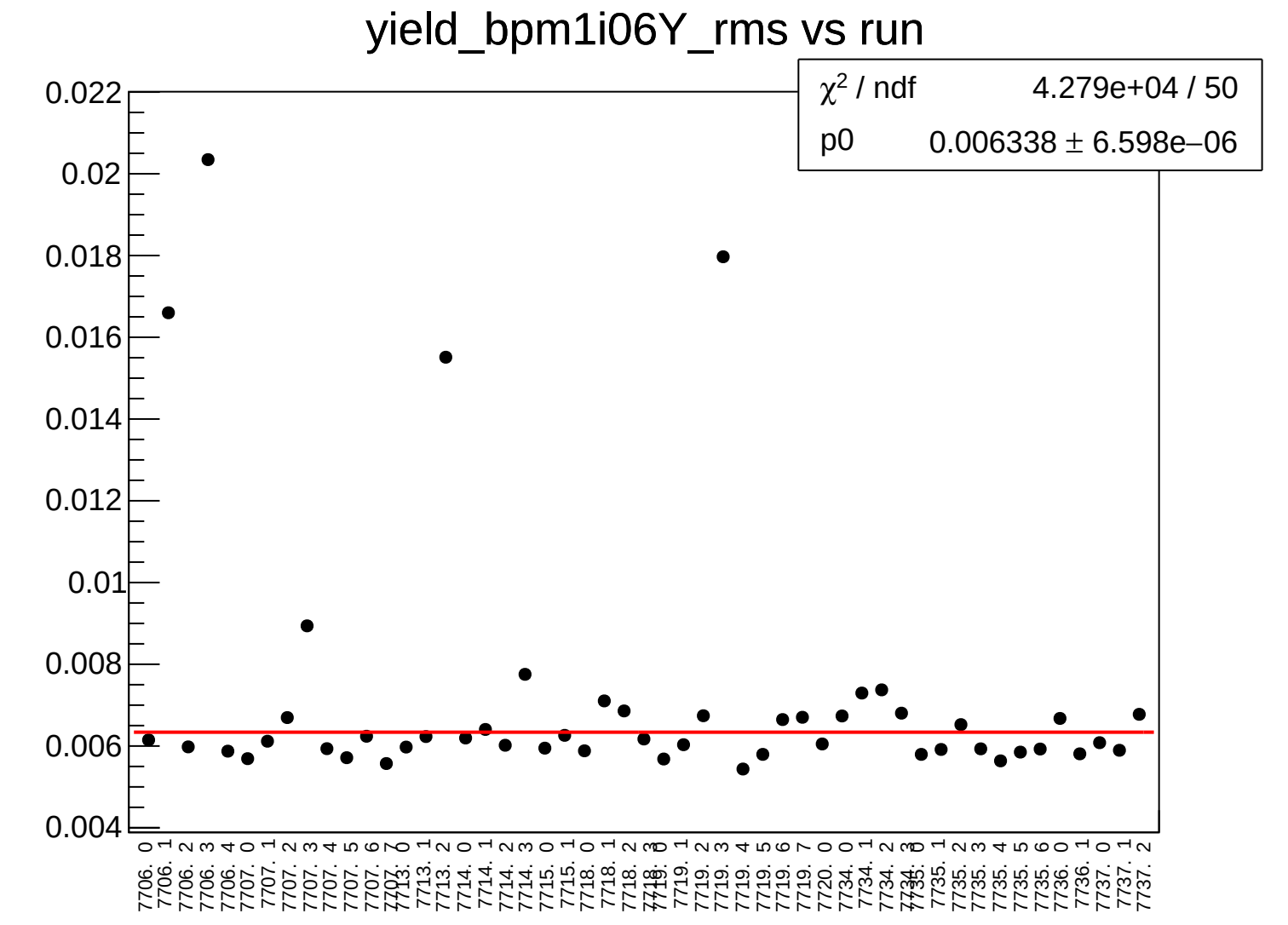

yield_bpm1i06X_mean vs run
χ² / ndf 9.998e+05 / 50
p0 2.966 ± 1.546e−05
pull
Entries 51
Mean 204.7
Std Dev 189.6

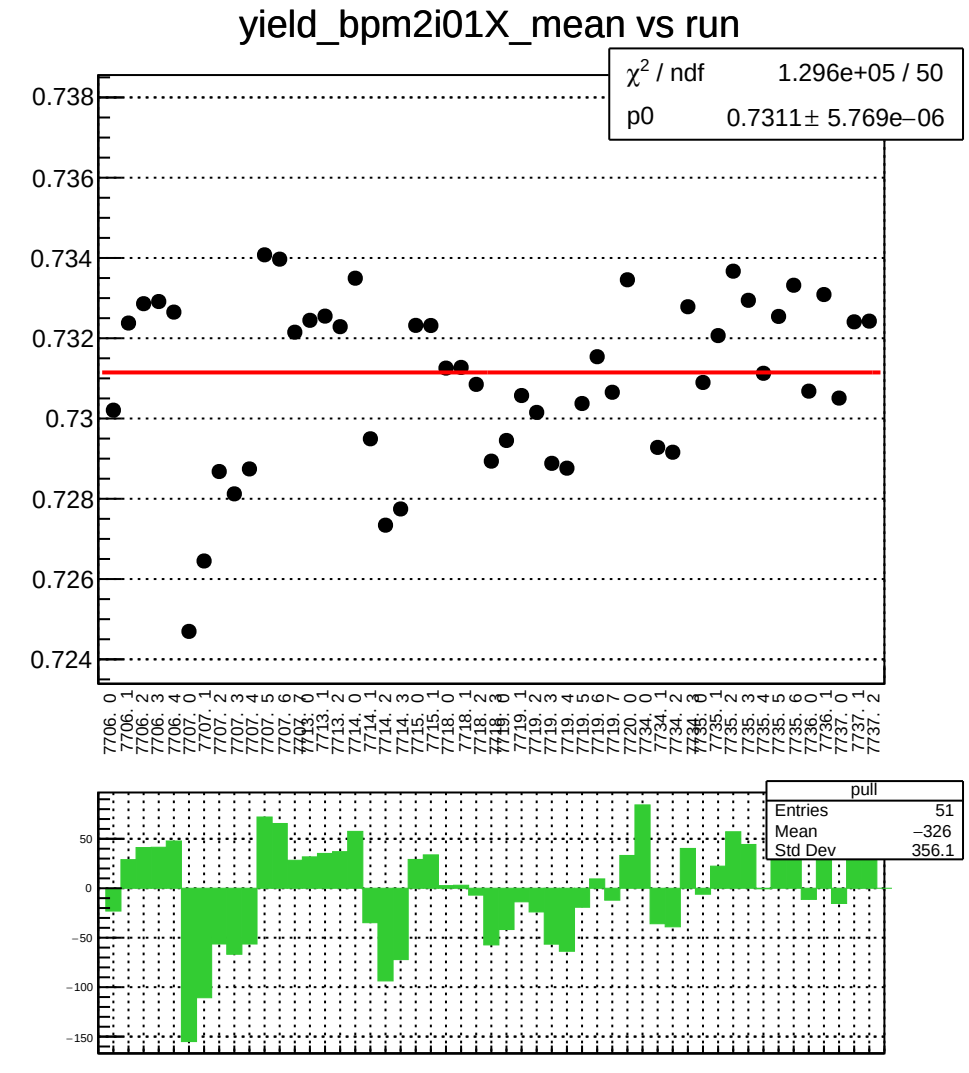

pull1D
Entries 51
Mean −2.704
Std Dev 1.454

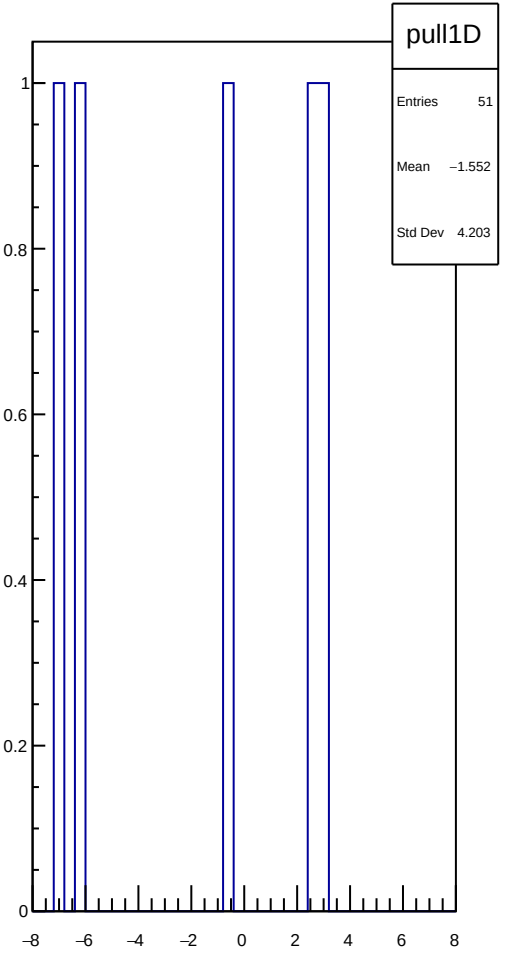

yield_bpm1i06X_rms vs run
χ² / ndf 1.249e+04 / 50
p0 0.01067 ± 1.093e–05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

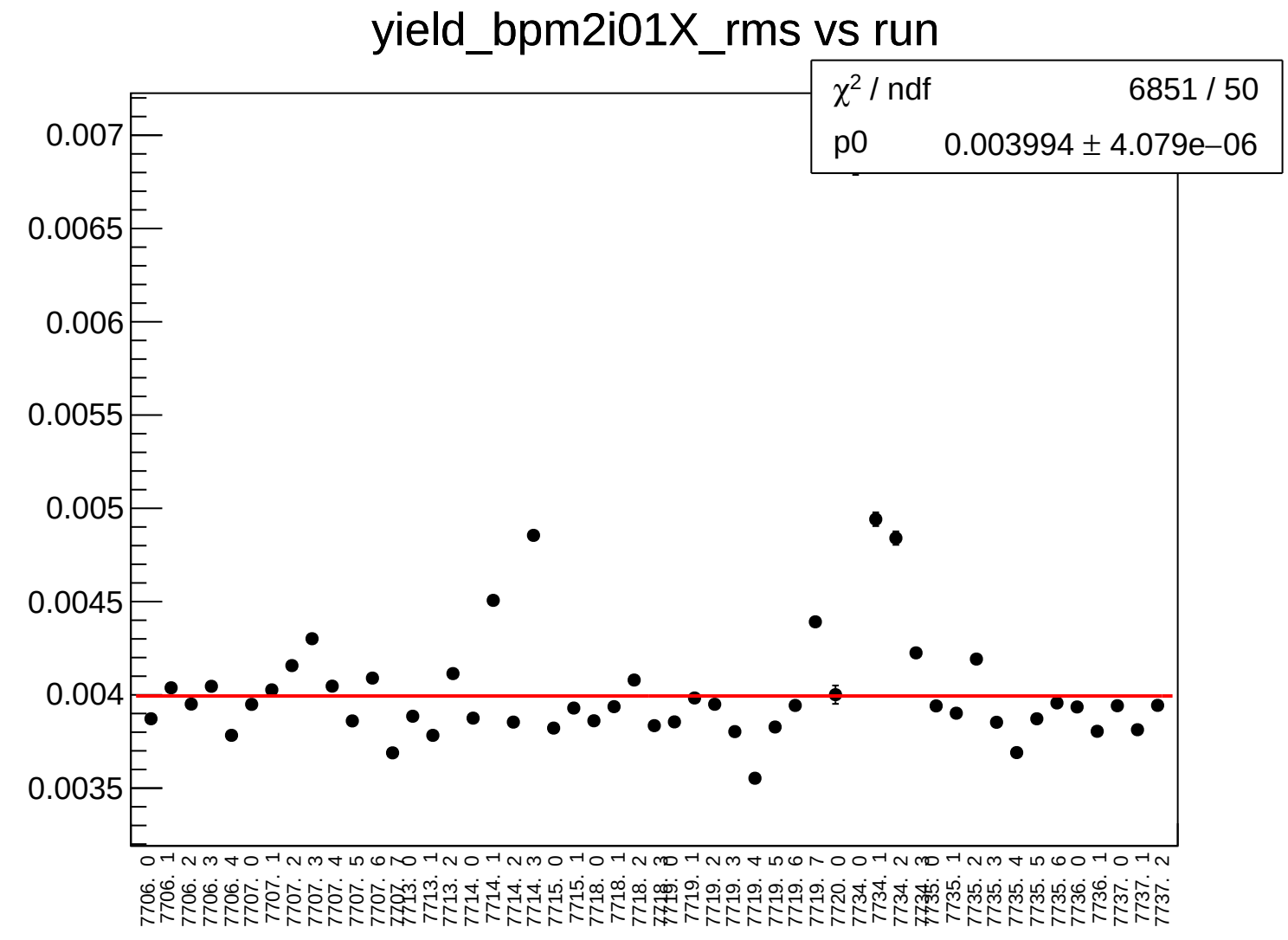

yield_bpm1i06Y_mean vs run
χ² / ndf 3.379e+06 / 50
p0 −1.199 ± 9.332e−06
pull
Entries 51
Mean −8539
Std Dev 8561

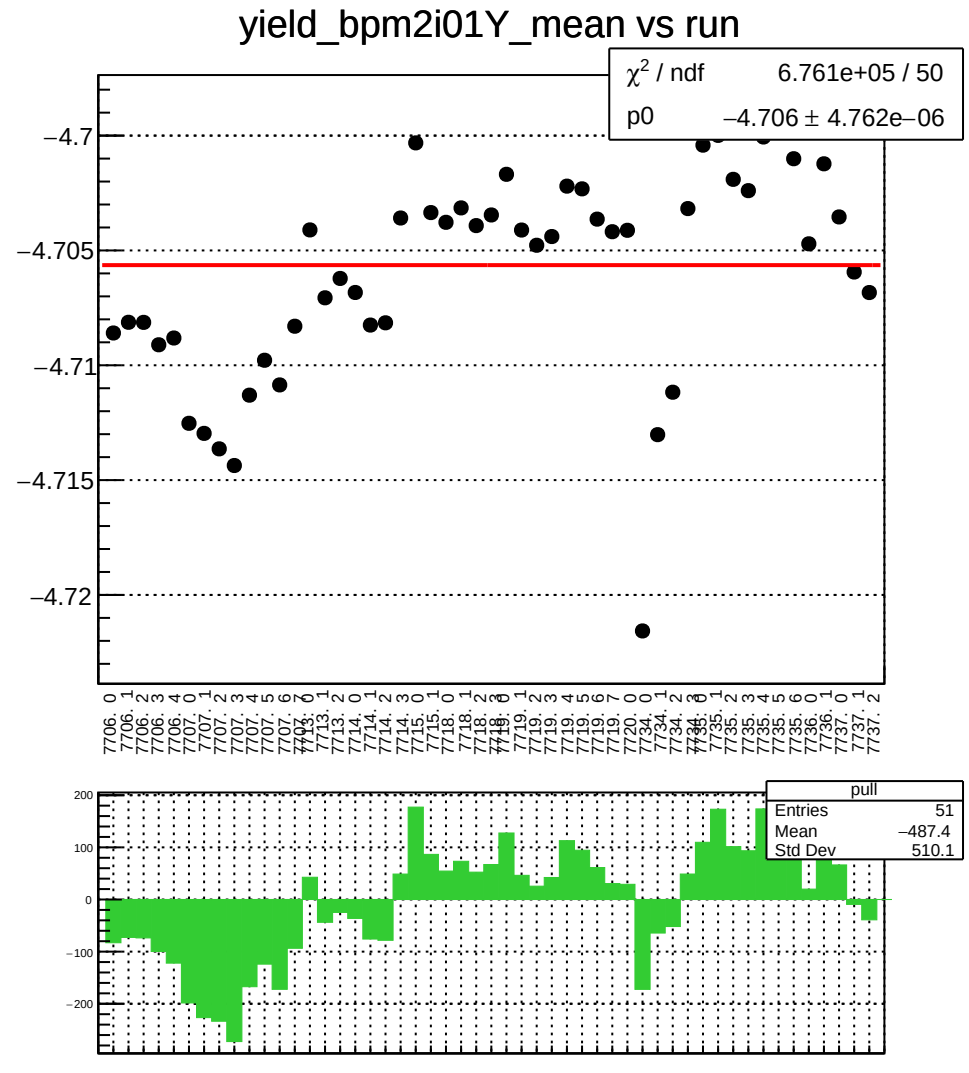

pull1D
Entries 51
Mean −2.335
Std Dev 1.88

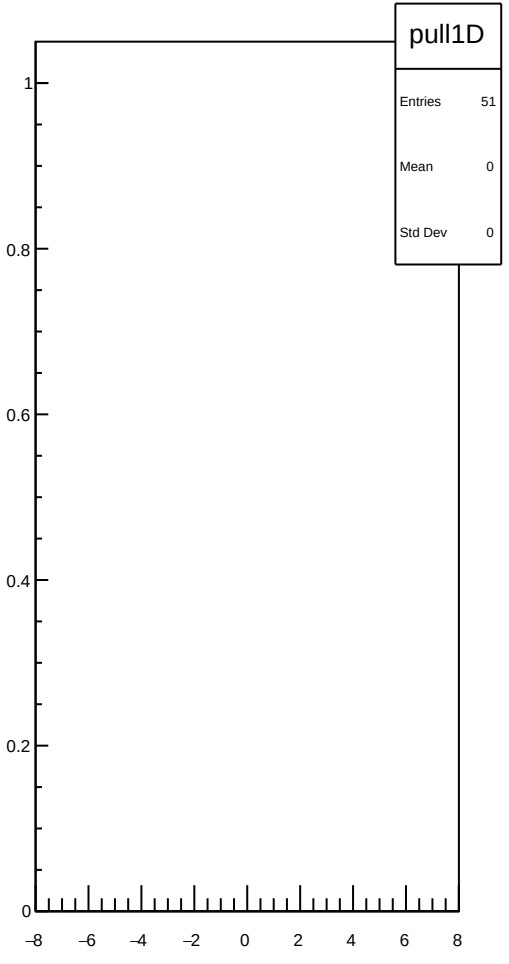

yield_bpm1i06Y_rms vs run
χ² / ndf 4.279e+04 / 50
p0 0.006338 ± 6.598e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

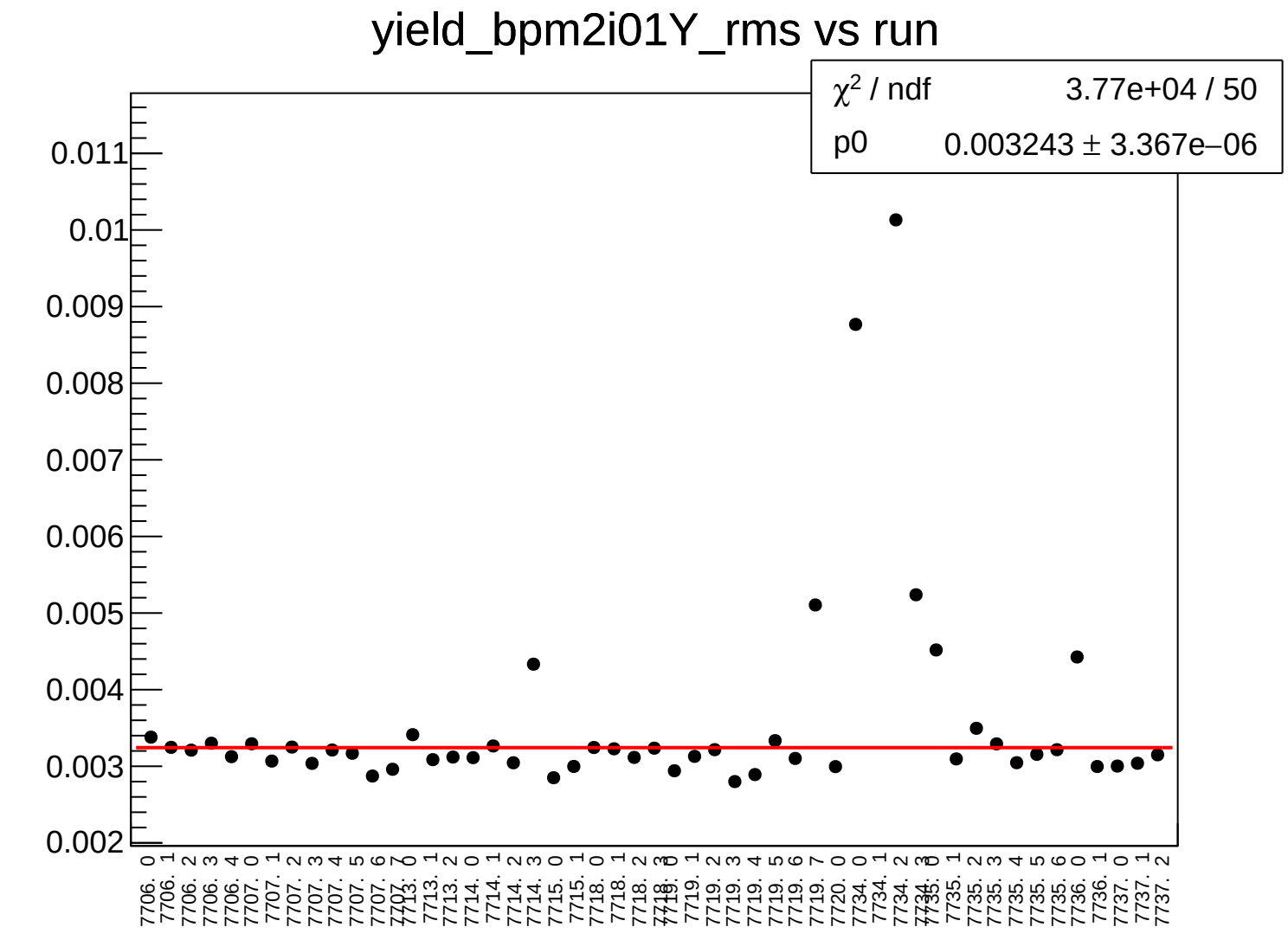

yield_bpm2i01X_mean vs run
χ² / ndf 1.296e+05 / 50
p0 0.7311 ± 5.769e−06
0.738
0.736
0.734
0.732
0.73
0.728
0.726
0.724
pull
Entries 51
Mean −326
Std Dev 356.1
50
0
−50
−100
−150

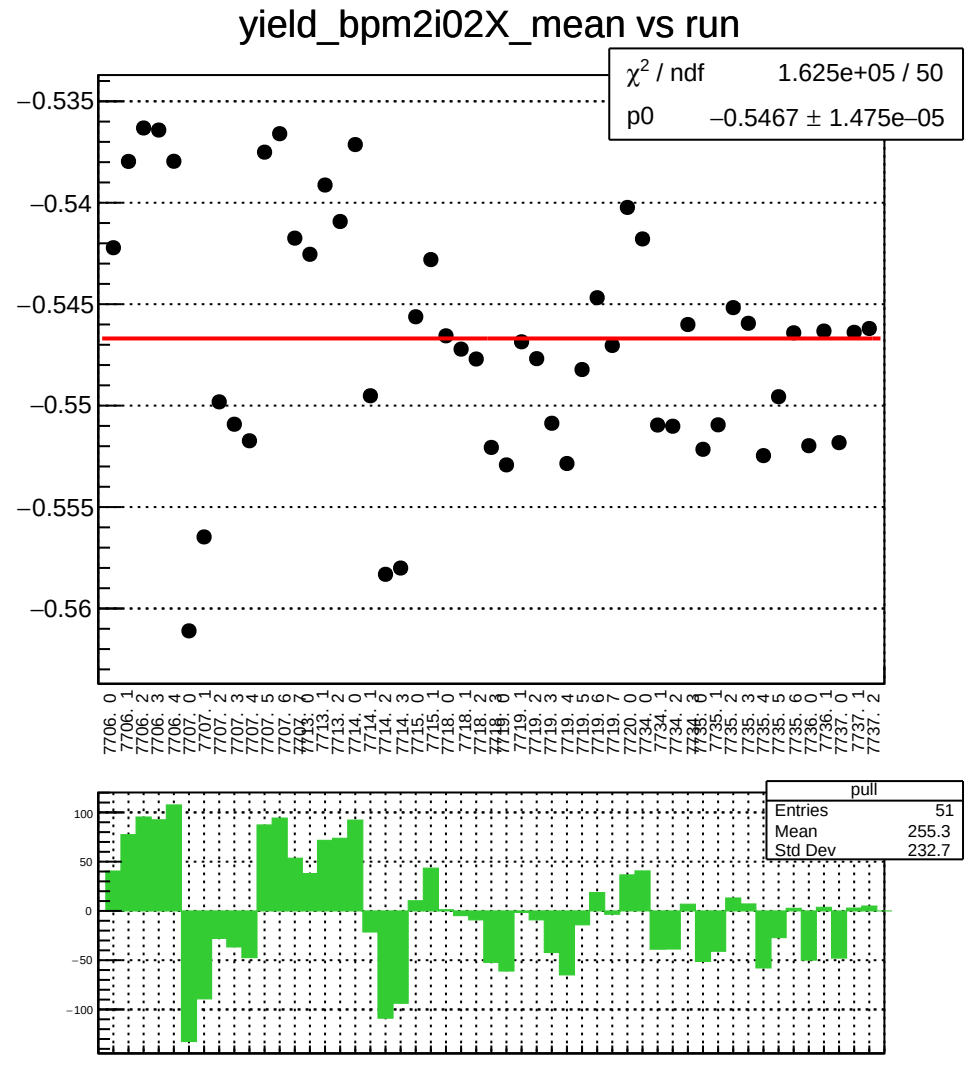

pull1D
Entries 51
Mean −1.552
Std Dev 4.203
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

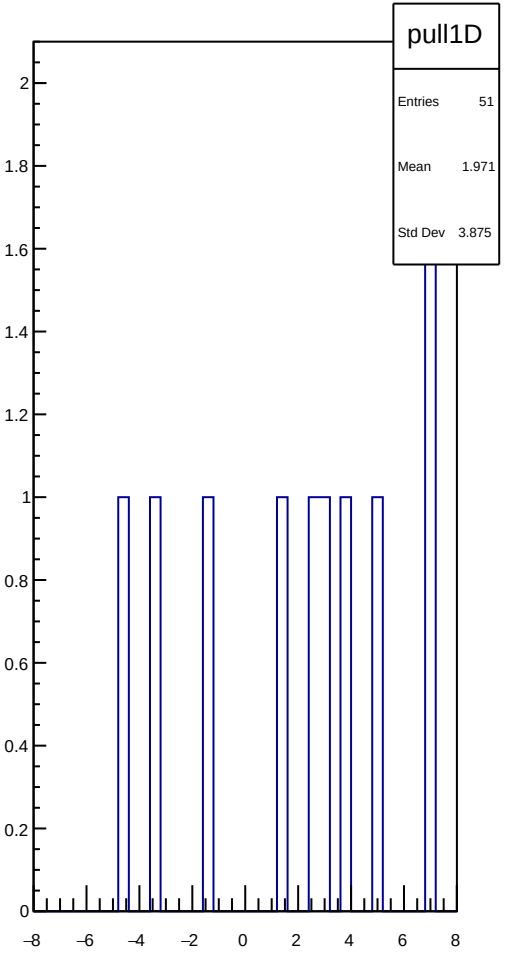

yield_bpm2i01X_rms vs run
χ² / ndf 6851 / 50
p0 0.003994 ± 4.079e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
0.0035
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2


yield_bpm2i01Y_mean vs run
χ² / ndf 6.761e+05 / 50
p0 −4.706 ± 4.762e−06
−4.7
−4.705
−4.71
−4.715
−4.72
pull
Entries 51
Mean −487.4
Std Dev 510.1
200
100
0
−100
−200

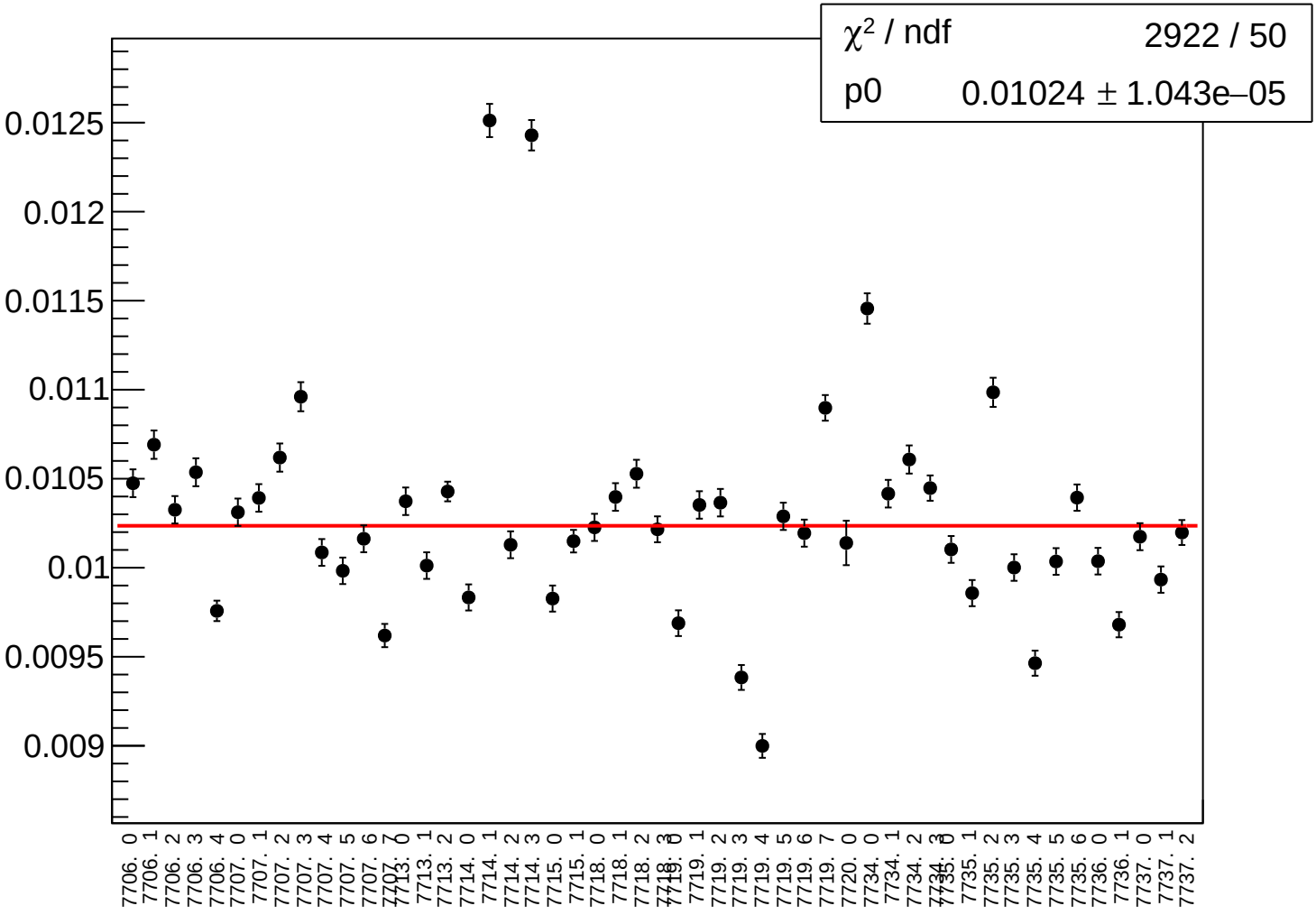

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

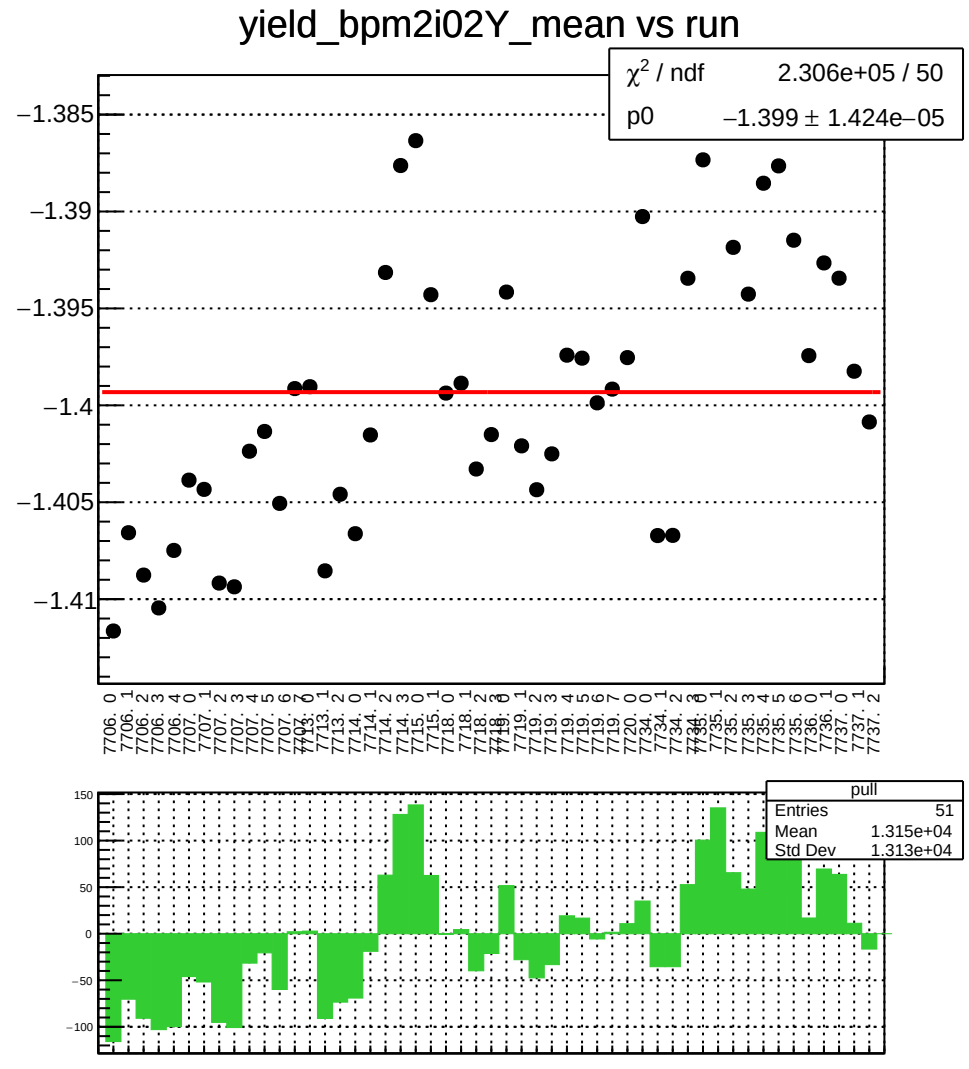

yield_bpm2i01Y_rms vs run
χ² / ndf 3.77e+04 / 50
p0 0.003243 ± 3.367e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

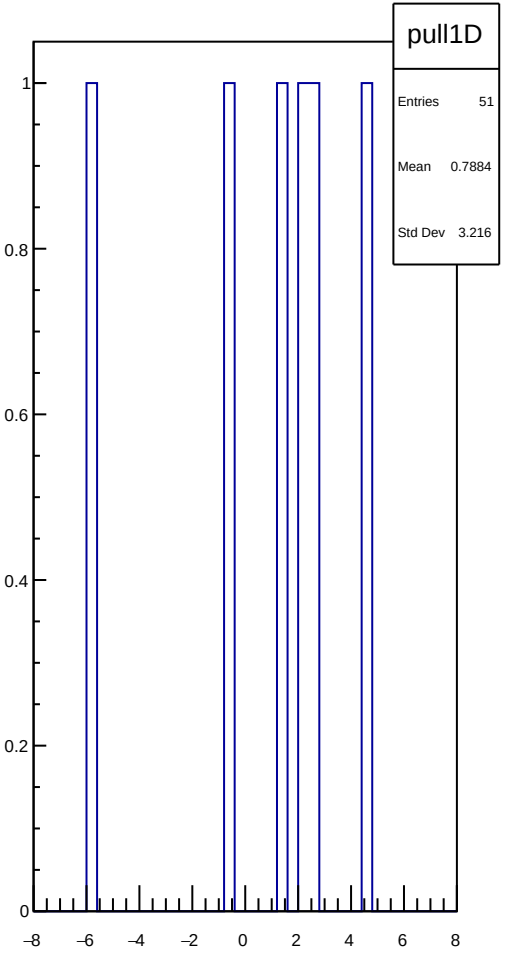

yield_bpm2i02X_mean vs run
χ² / ndf 1.625e+05 / 50
p0 −0.5467 ± 1.475e−05
−0.535
−0.54
−0.545
−0.55
−0.555
−0.56
pull
Entries 51
Mean 255.3
Std Dev 232.7
100
50
0
−50
−100

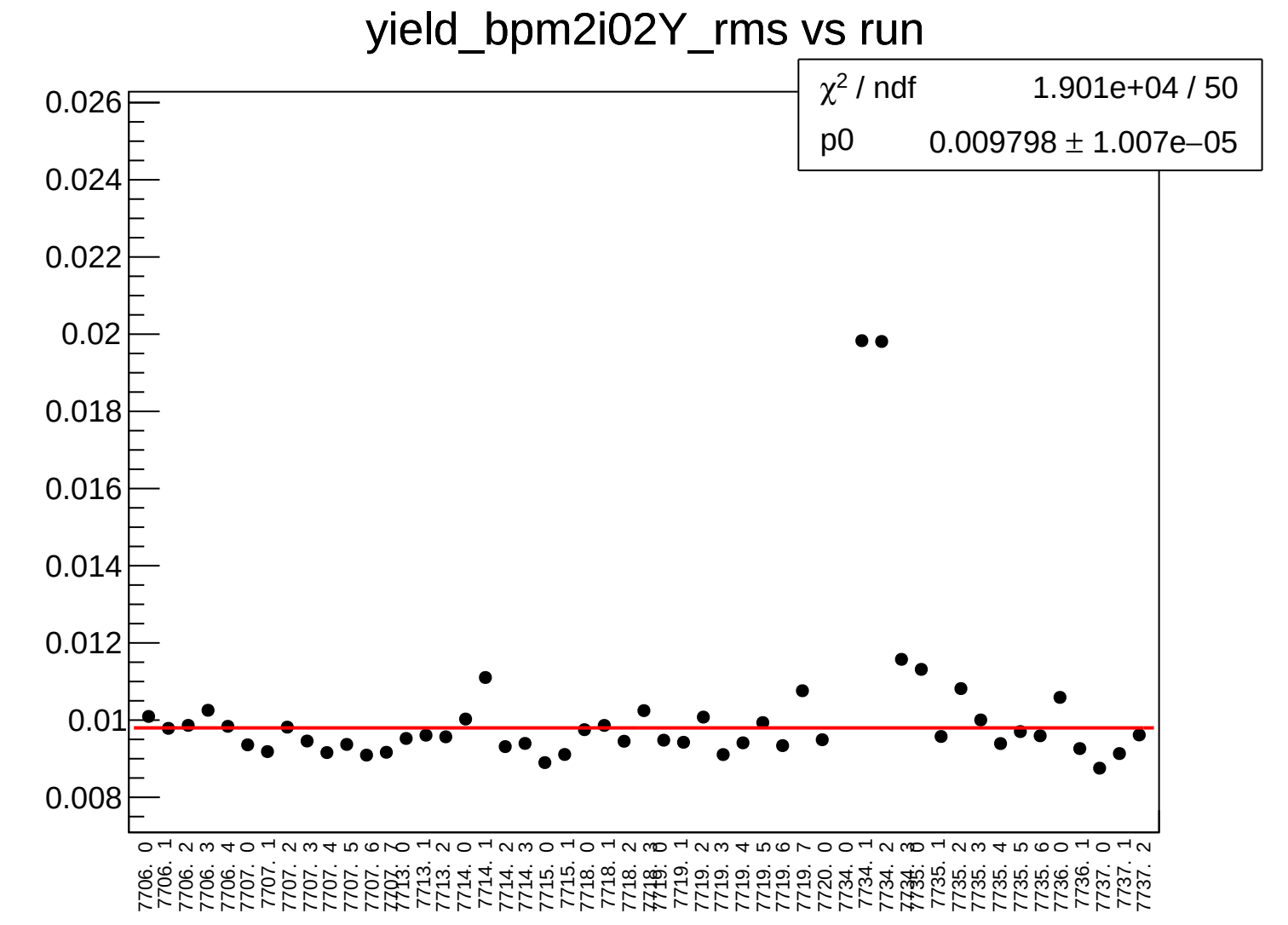

pull1D
Entries 51
Mean 1.971
Std Dev 3.875
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

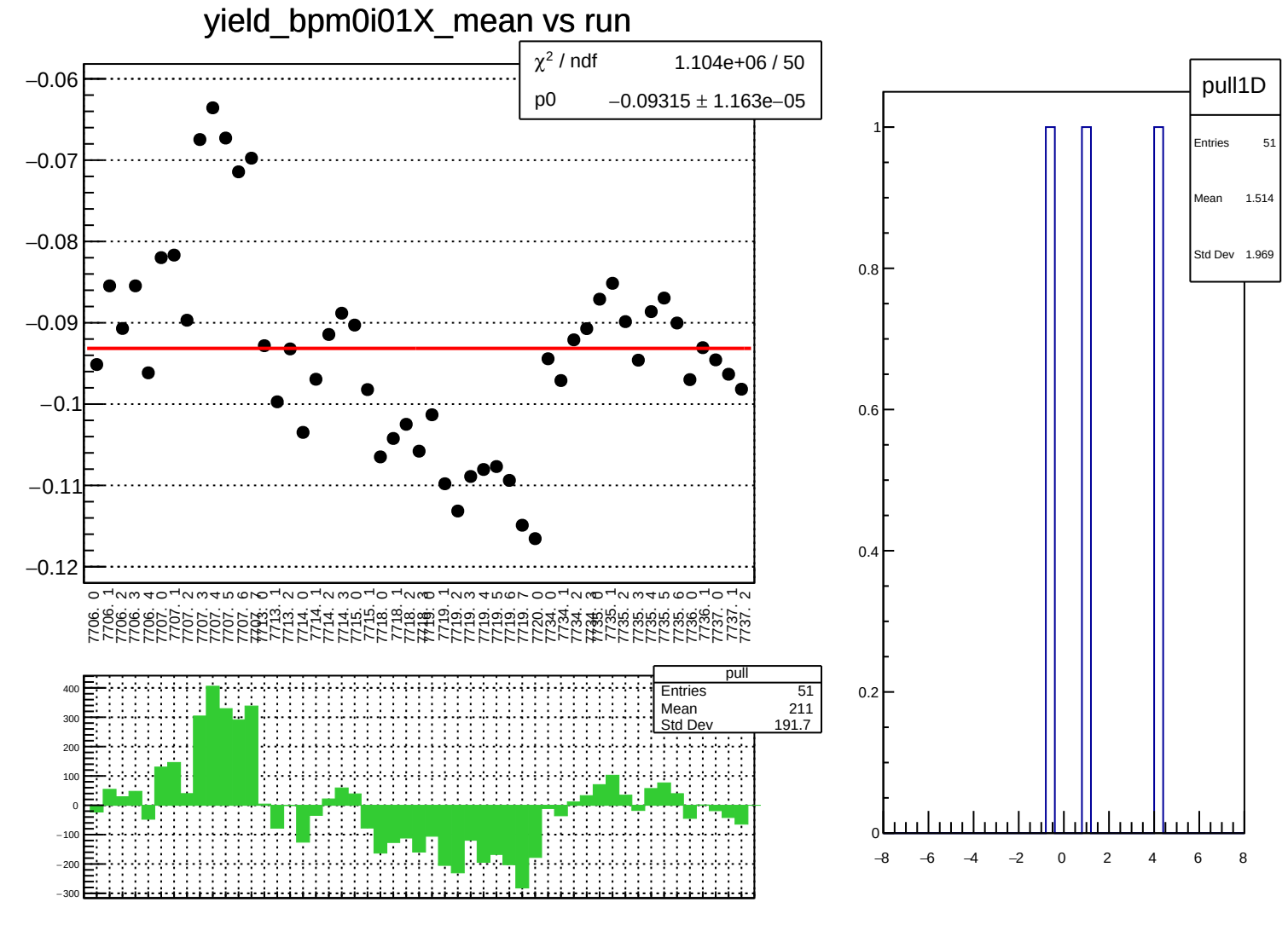
yield_bpm2i02X_rms vs run

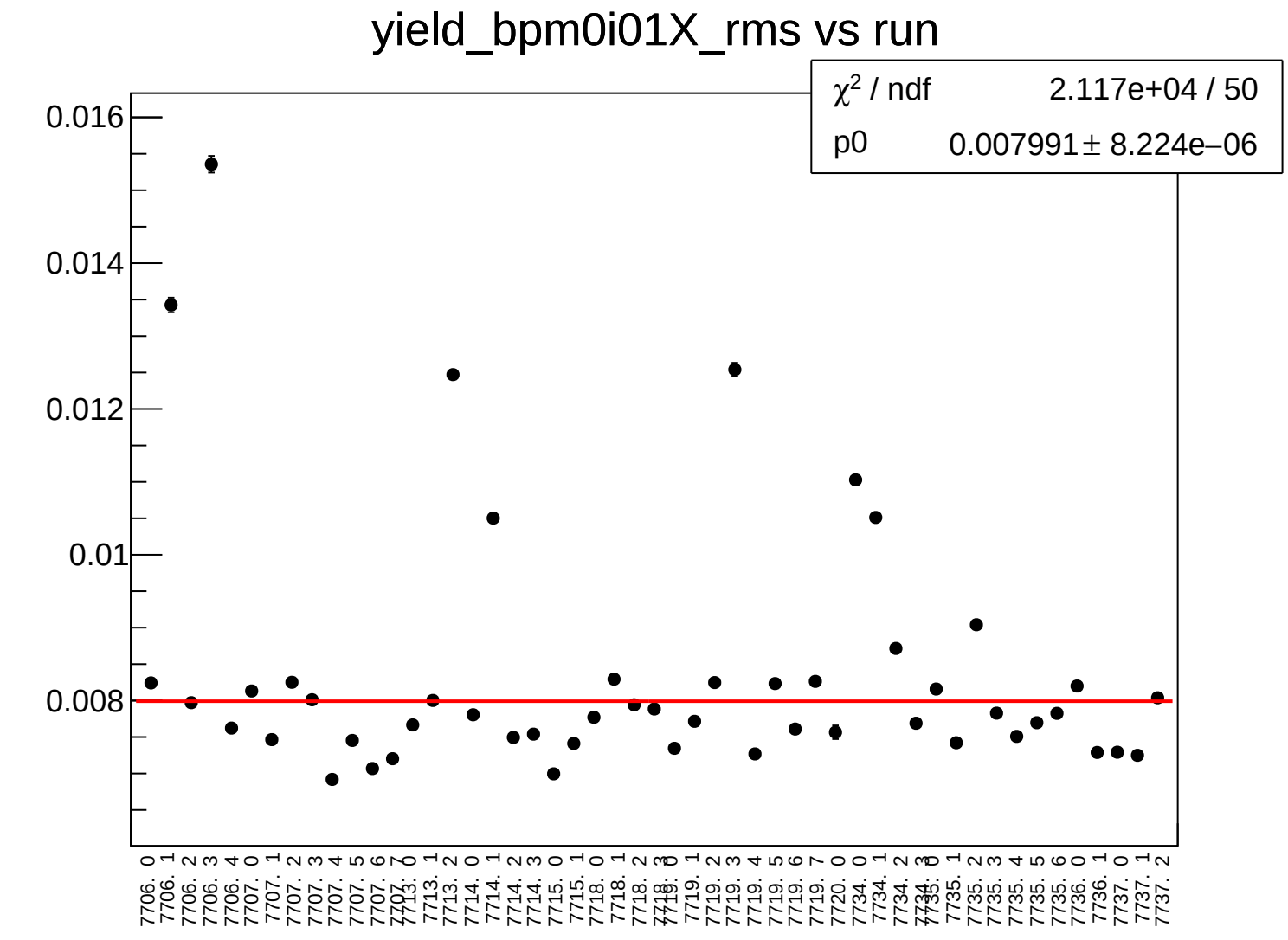


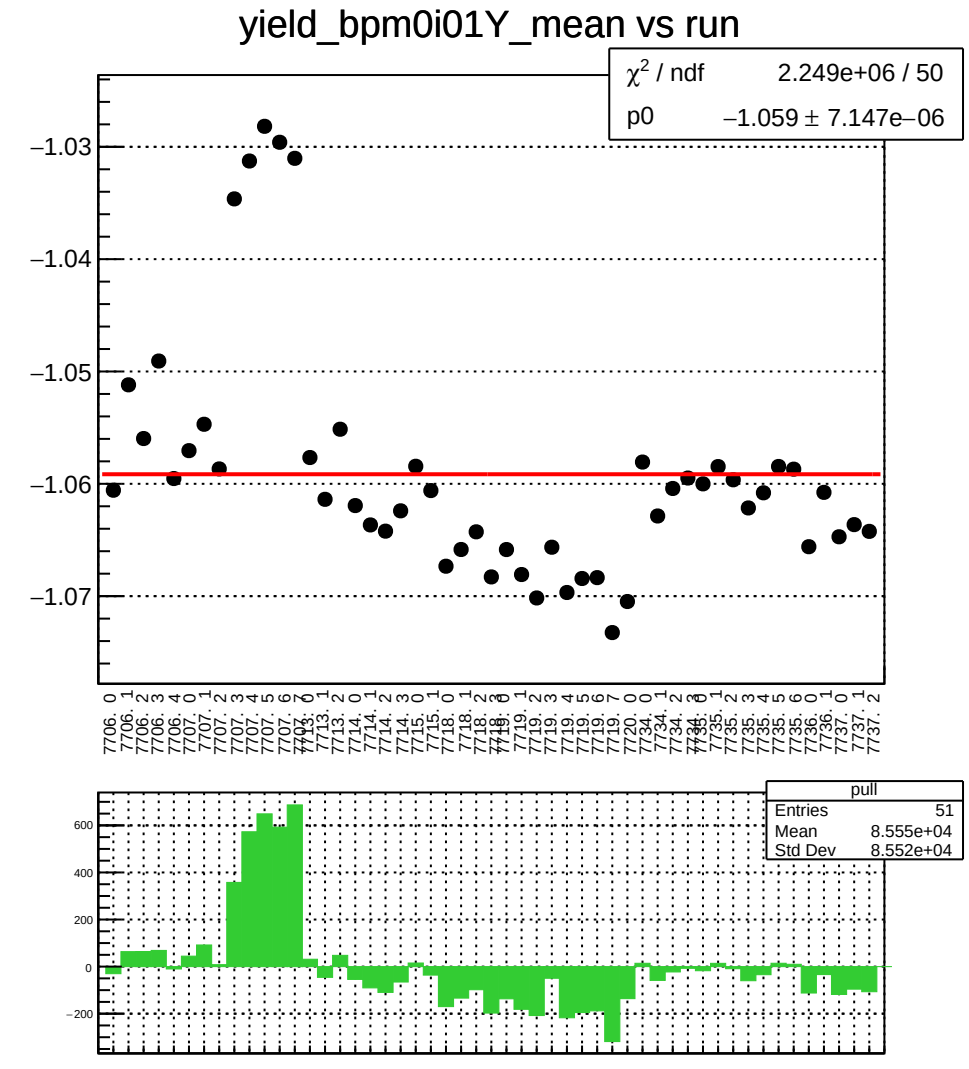

yield_bpm2i02Y_mean vs run
χ² / ndf 2.306e+05 / 50
p0 −1.399 ± 1.424e−05
−1.385
−1.39
−1.395
−1.4
−1.405
−1.41
pull
Entries 51
Mean 1.315e+04
Std Dev 1.313e+04
150
100
50
0
−50
−100

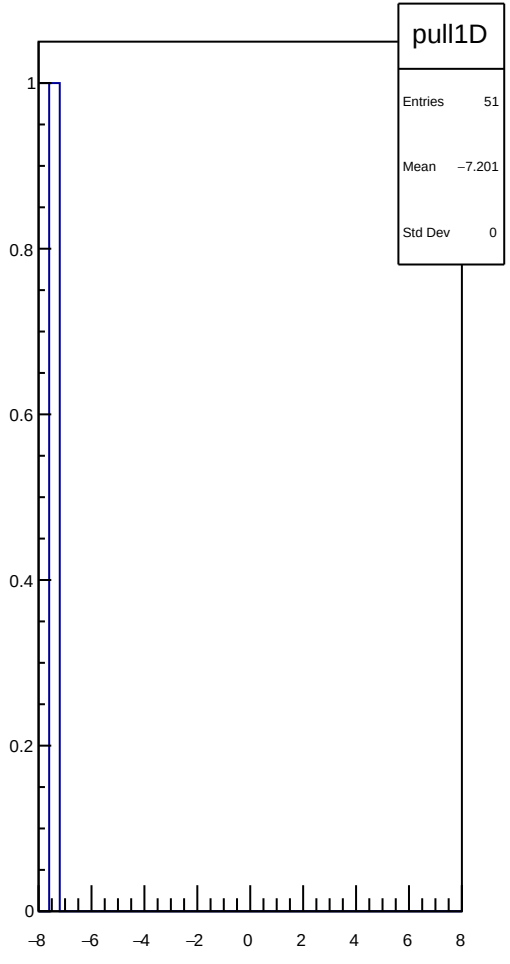

pull1D
Entries 51
Mean 0.7884
Std Dev 3.216
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

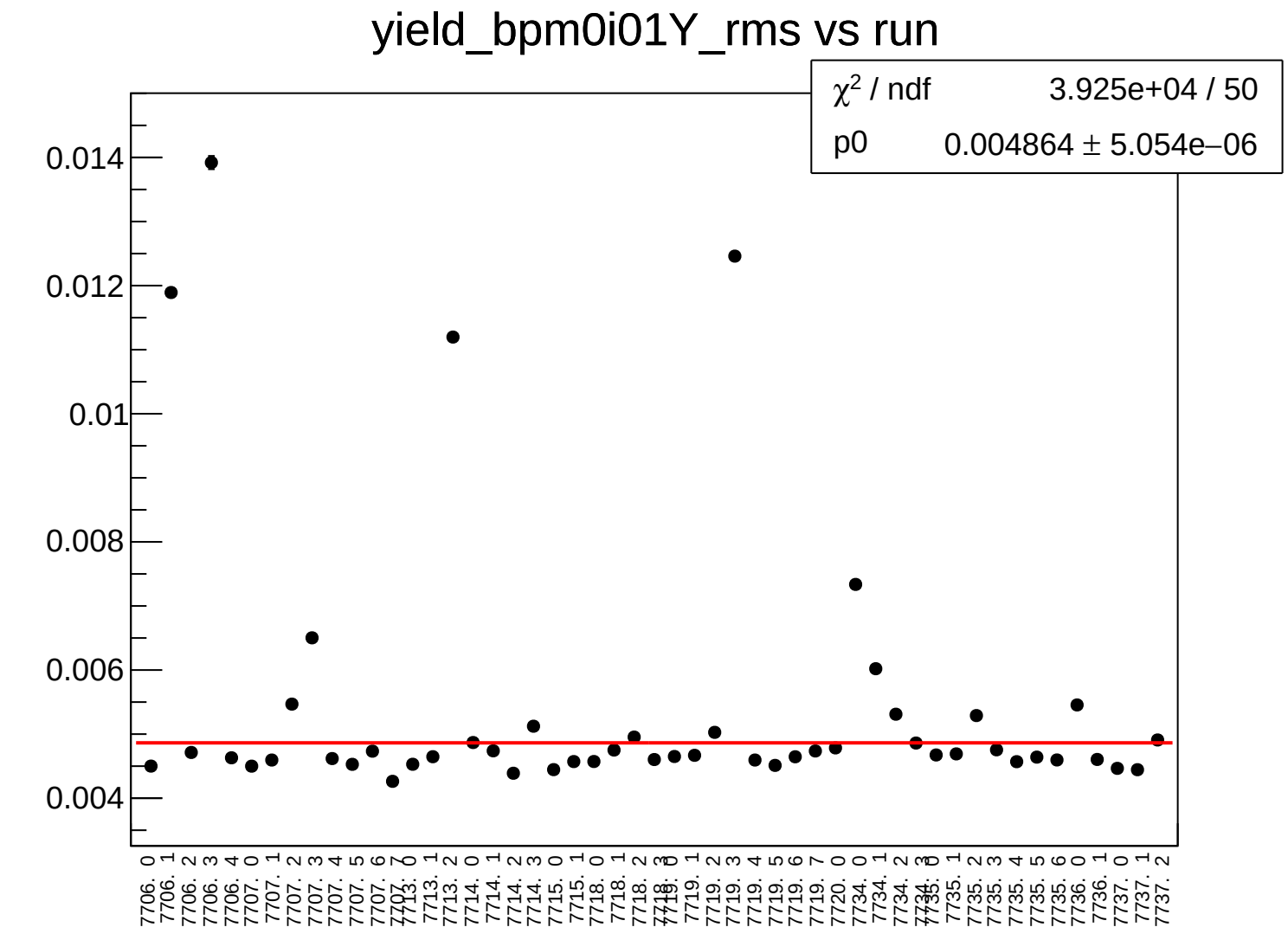

yield_bpm2i02Y_rms vs run
χ² / ndf 1.901e+04 / 50
p0 0.009798 ± 1.007e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

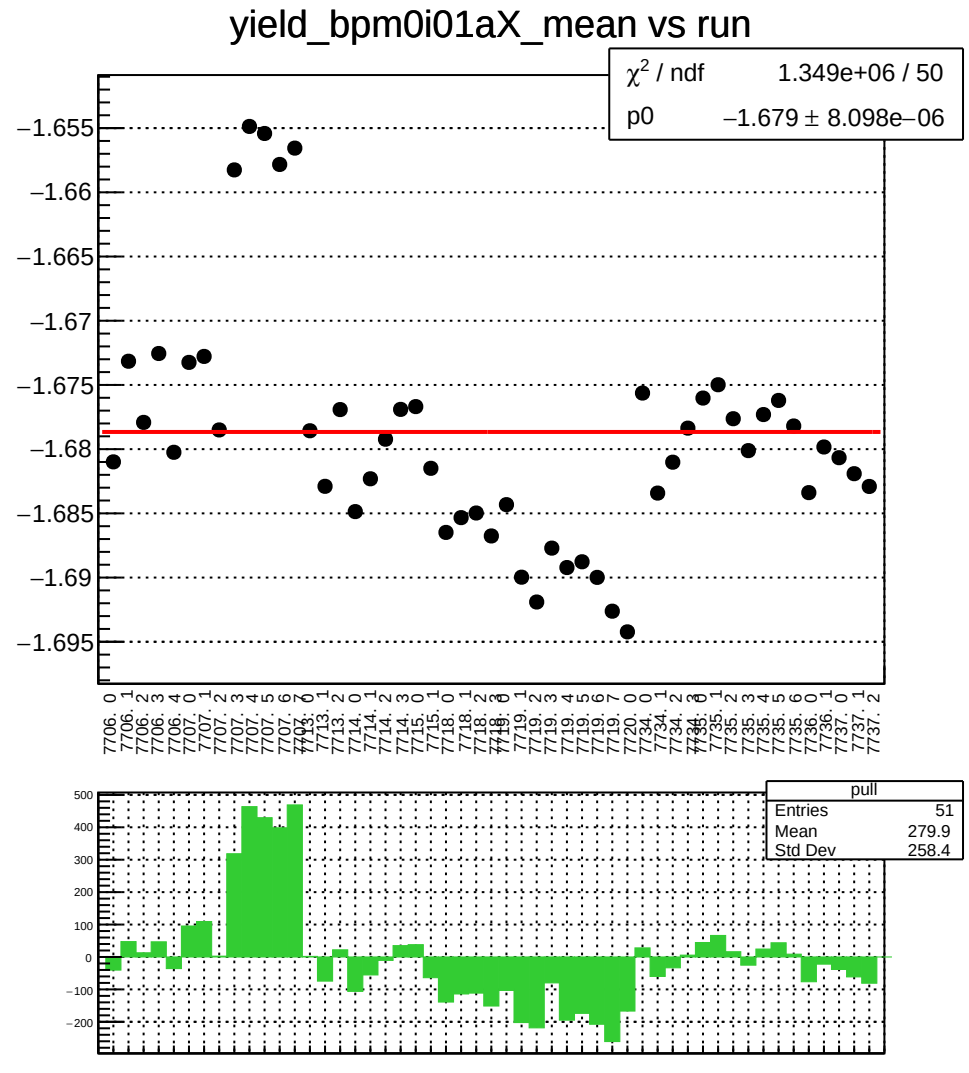

yield_bpm0i01X_mean vs run
χ² / ndf 1.104e+06 / 50
p0 −0.09315 ± 1.163e−05
pull
Entries 51
Mean 211
Std Dev 191.7
pull1D
Entries 51
Mean 1.514
Std Dev 1.969

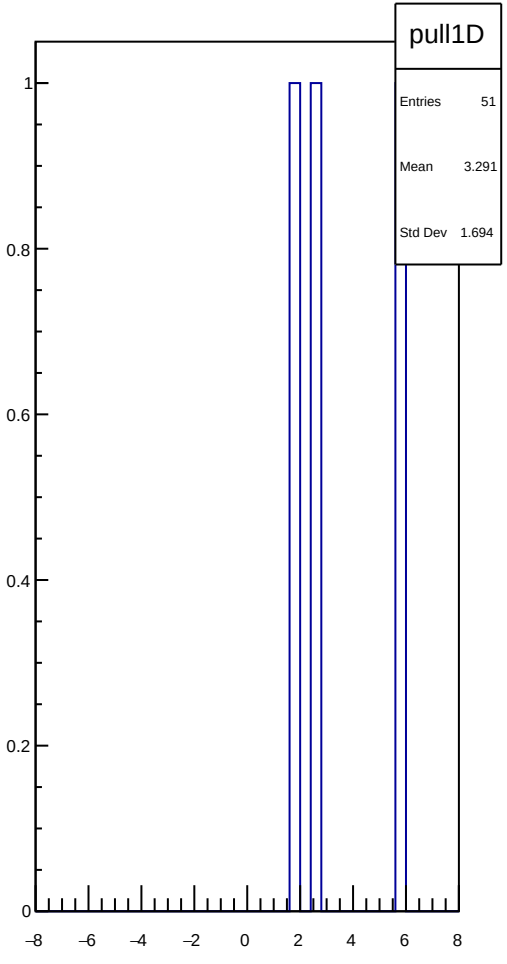

yield_bpm0i01X_rms vs run
χ² / ndf 2.117e+04 / 50
p0 0.007991 ± 8.224e−06
0.016
0.014
0.012
0.01
0.008
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

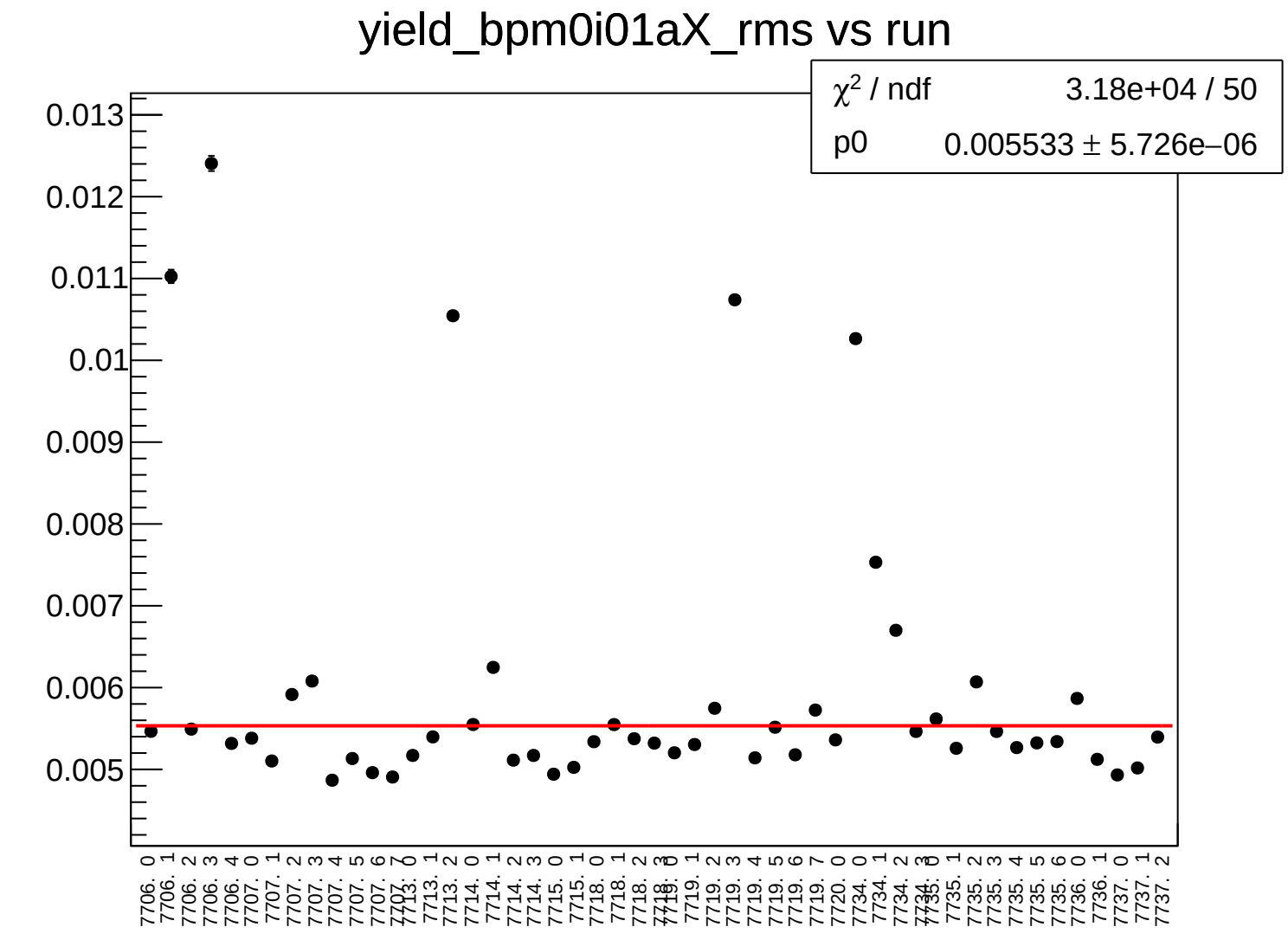

yield_bpm0i01Y_mean vs run
χ² / ndf 2.249e+06 / 50
p0 −1.059 ± 7.147e−06
−1.03
−1.04
−1.05
−1.06
−1.07
pull
Entries 51
Mean 8.555e+04
Std Dev 8.552e+04
600
400
200
0
−200

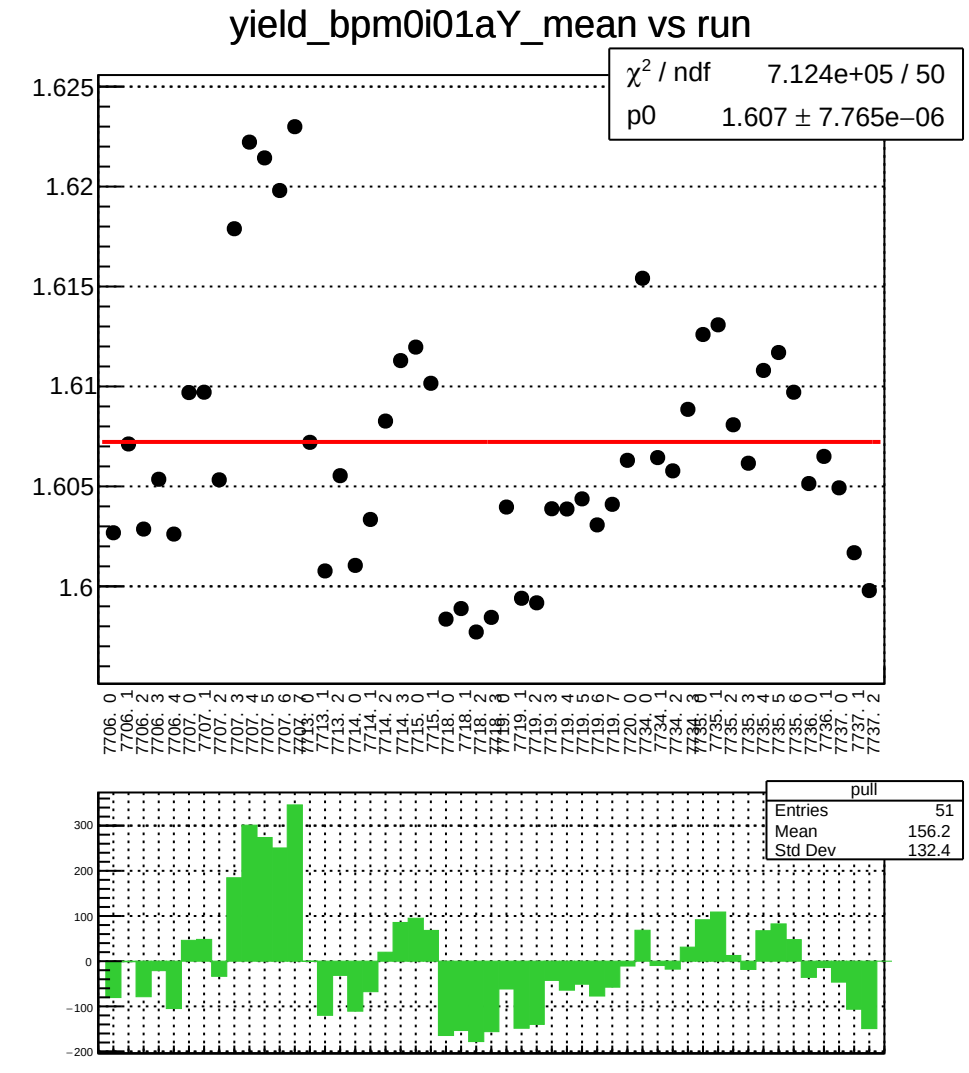

pull1D
Entries 51
Mean −7.201
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

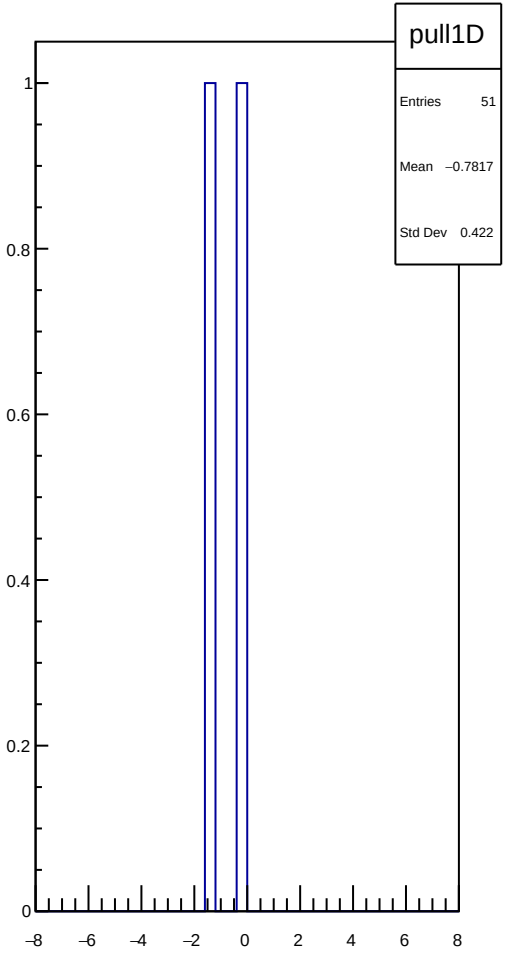

yield_bpm0i01Y_rms vs run
χ² / ndf 3.925e+04 / 50
p0 0.004864 ± 5.054e−06
0.014
0.012
0.01
0.008
0.006
0.004
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

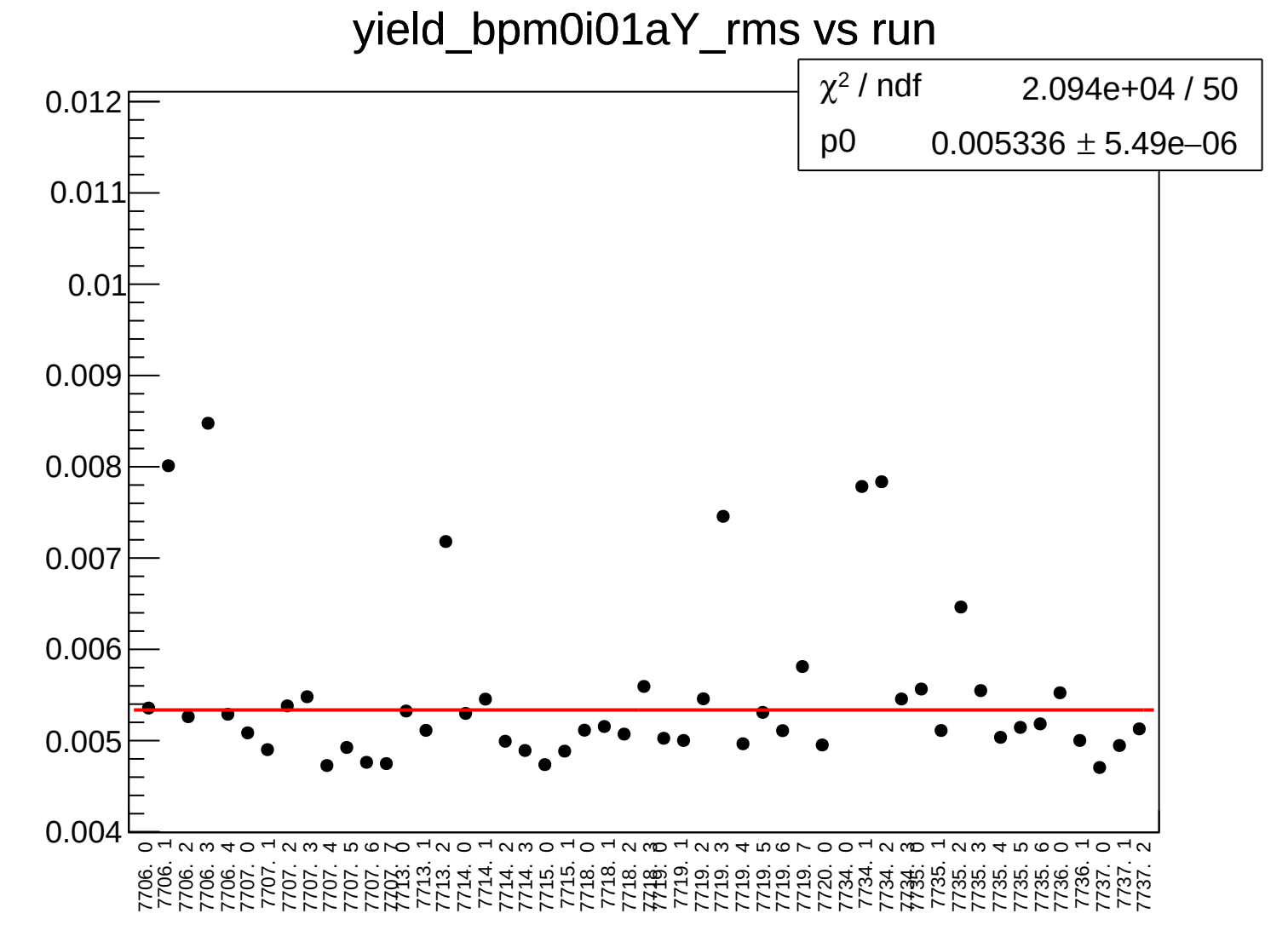

yield_bpm0i01aX_mean vs run
χ² / ndf 1.349e+06 / 50
p0 −1.679 ± 8.098e−06
−1.655
−1.66
−1.665
−1.67
−1.675
−1.68
−1.685
−1.69
−1.695
pull
Entries 51
Mean 279.9
Std Dev 258.4
500
400
300
200
100
0
−100
−200

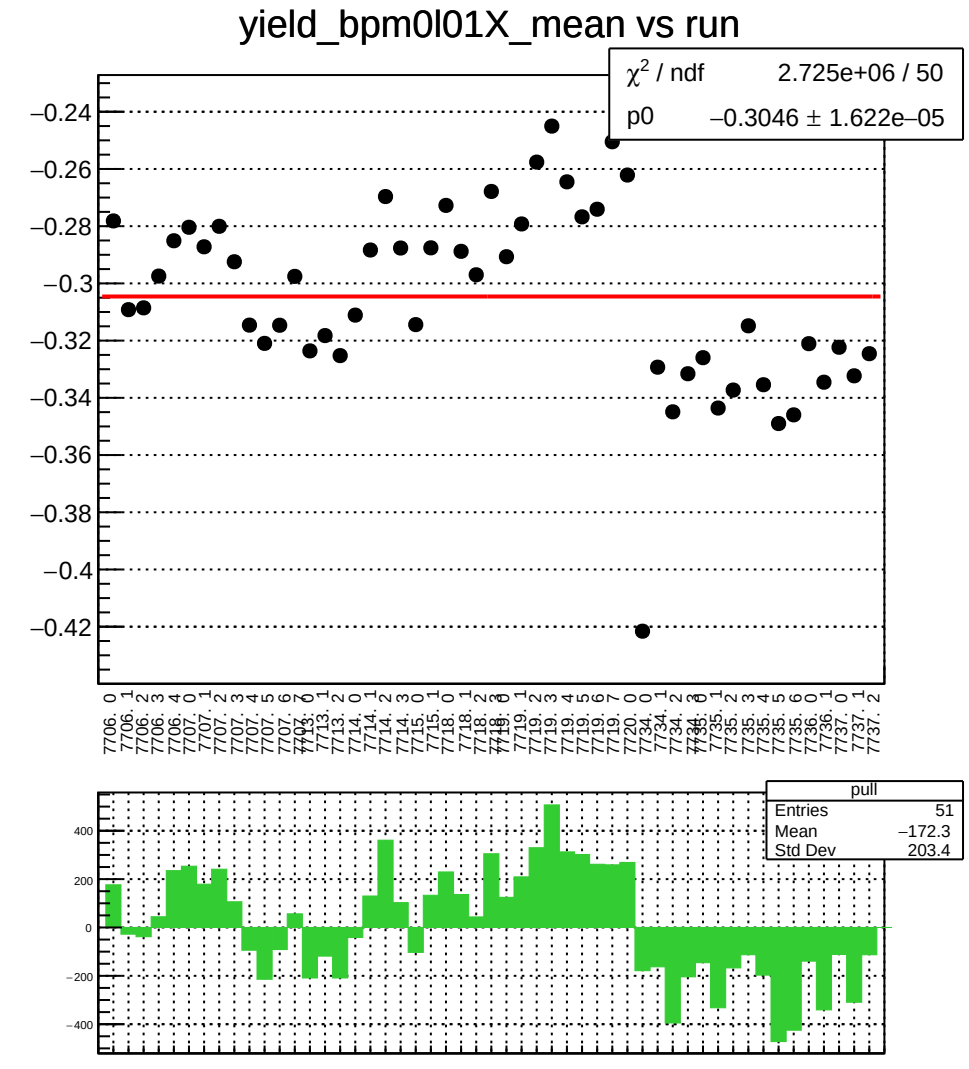

pull1D
Entries 51
Mean 3.291
Std Dev 1.694
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

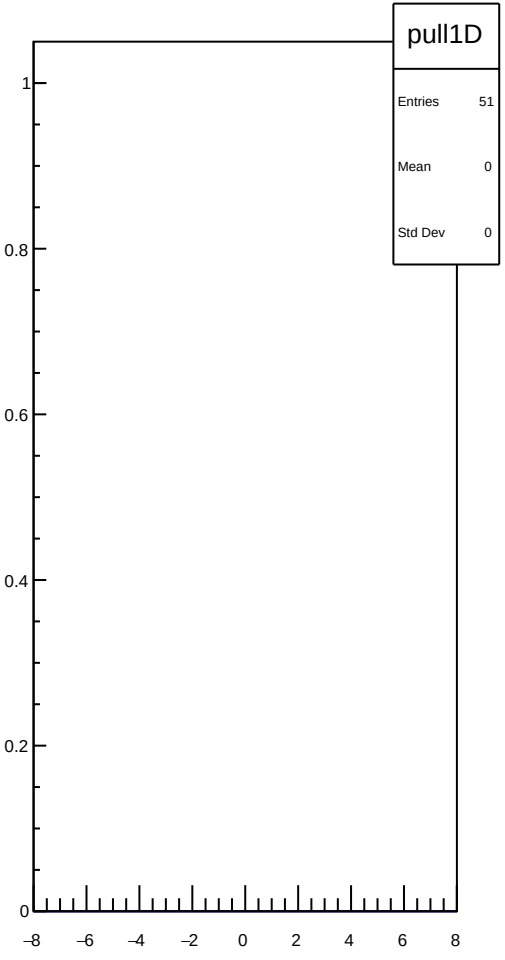

yield_bpm0i01aX_rms vs run
χ² / ndf 3.18e+04 / 50
p0 0.005533 ± 5.726e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

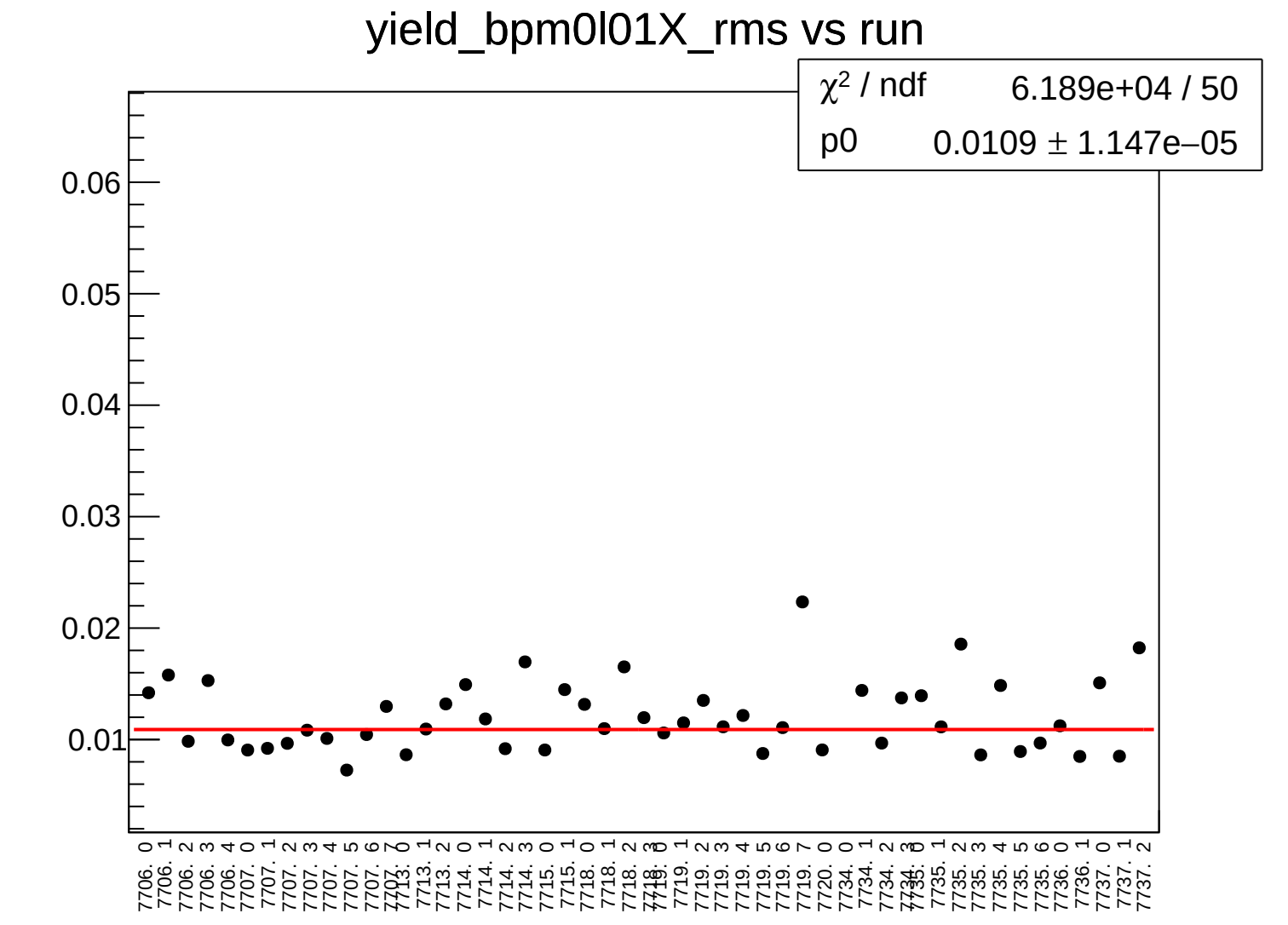

yield_bpm0i01aY_mean vs run
χ² / ndf 7.124e+05 / 50
p0 1.607 ± 7.765e−06
1.625
1.62
1.615
1.61
1.605
1.6
pull
Entries 51
Mean 156.2
Std Dev 132.4
300
200
100
0
−100
−200

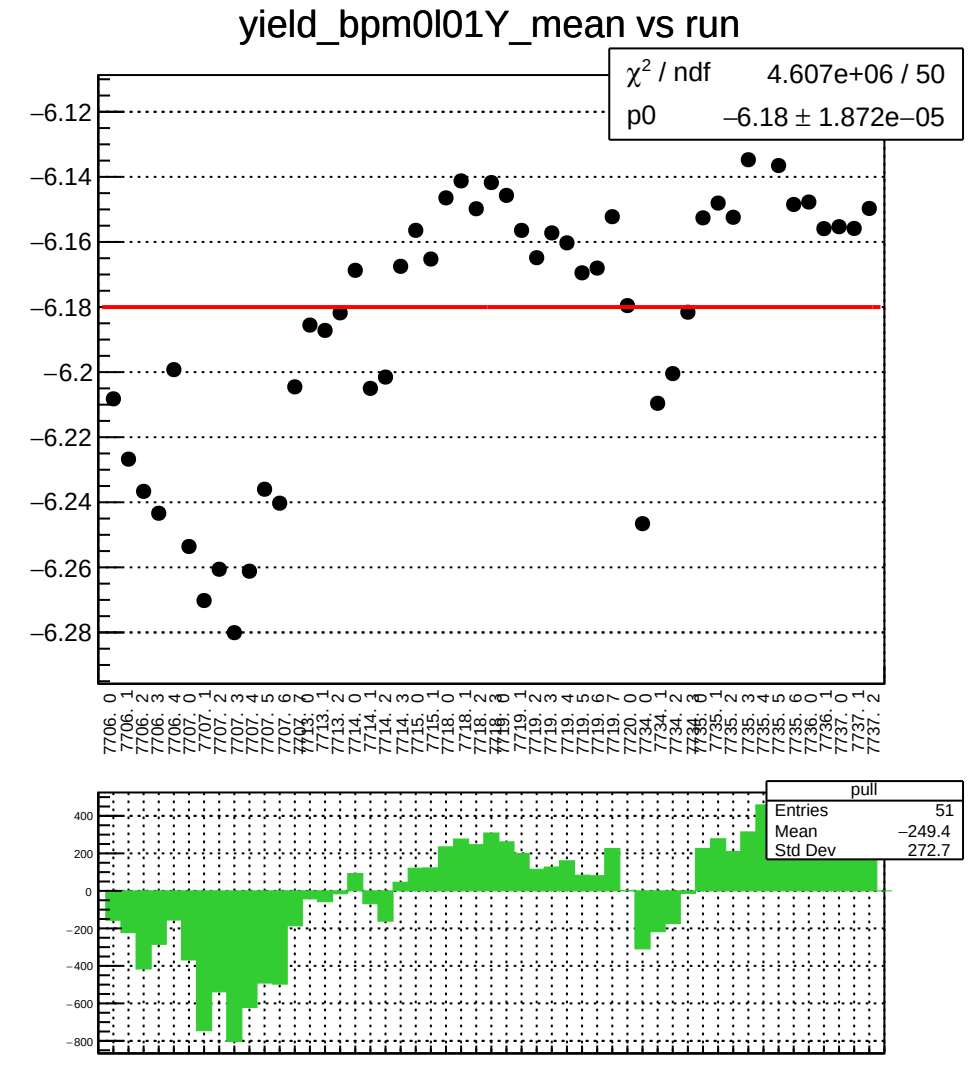

pull1D
Entries 51
Mean −0.7817
Std Dev 0.422
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

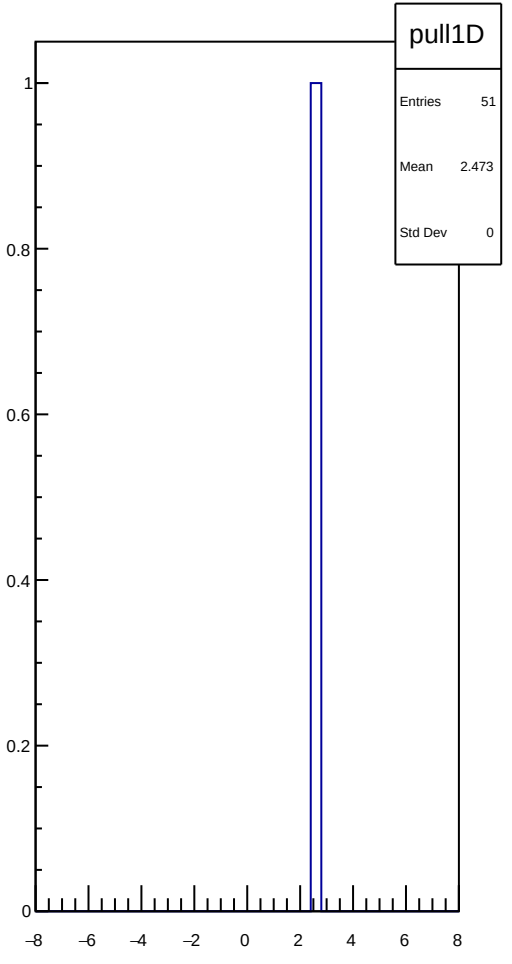

yield_bpm0i01aY_rms vs run
χ² / ndf 2.094e+04 / 50
p0 0.005336 ± 5.49e–06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7718. 3
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7734. 3
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

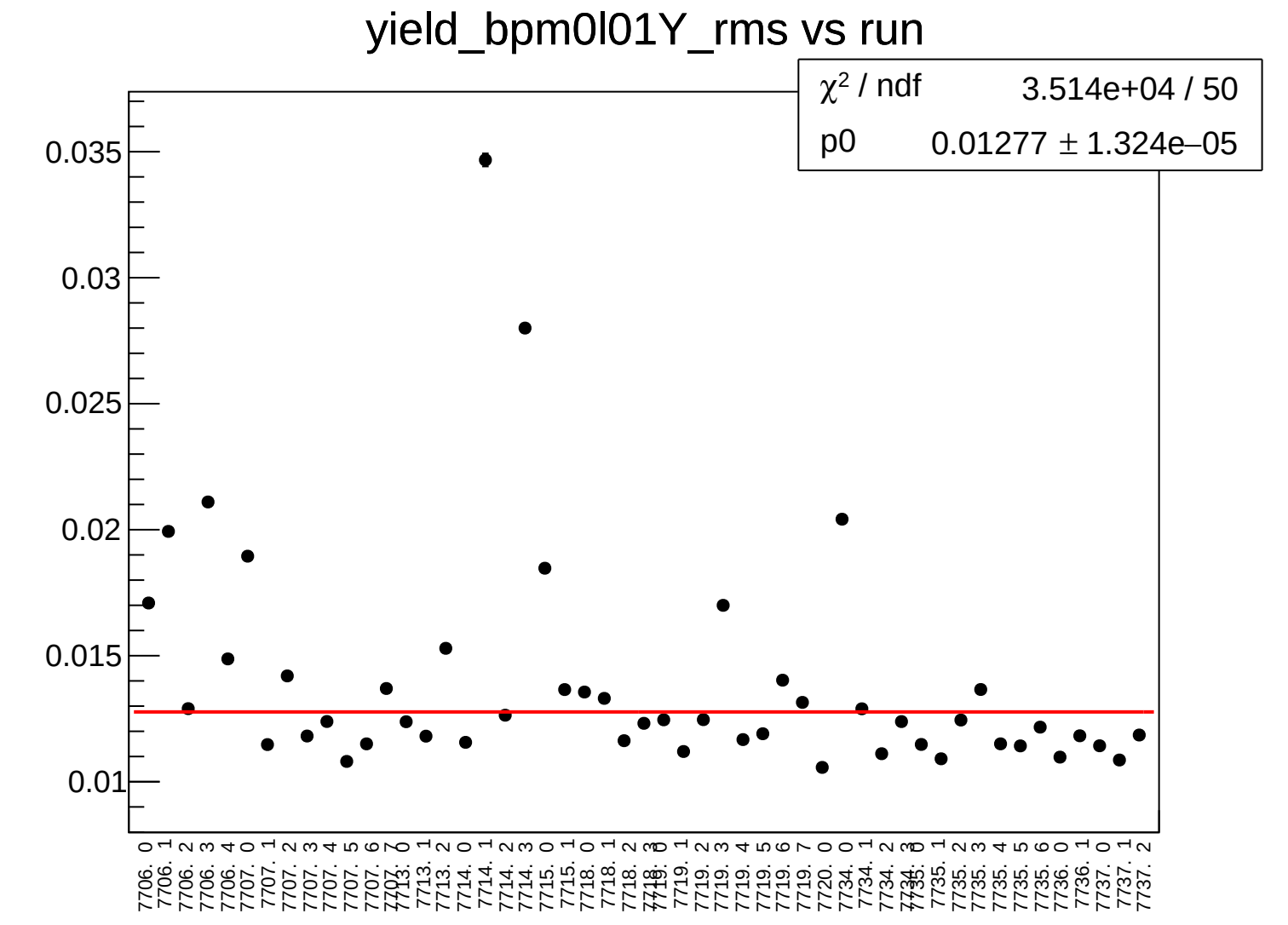

yield_bpm0l01X_mean vs run
χ² / ndf 2.725e+06 / 50
p0 −0.3046 ± 1.622e−05
pull
Entries 51
Mean −172.3
Std Dev 203.4

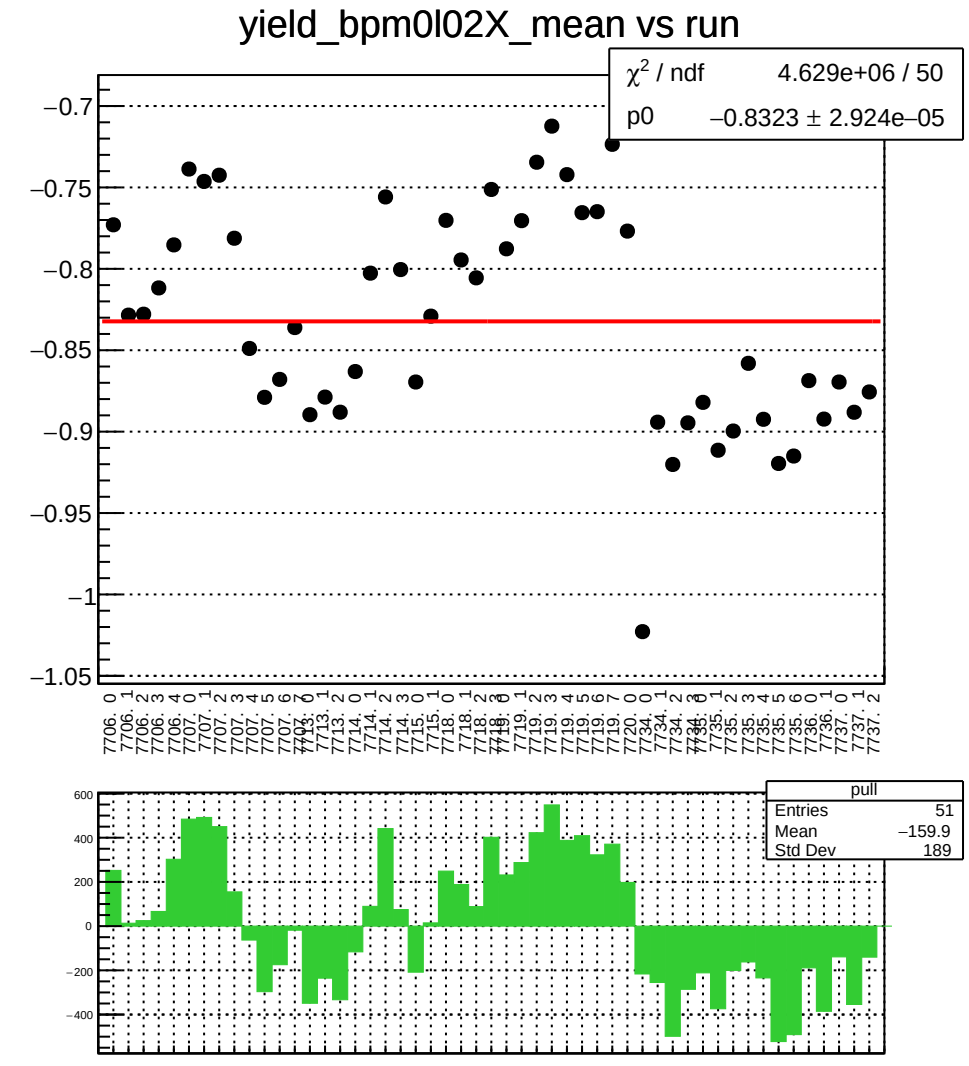

pull1D
Entries 51
Mean 0
Std Dev 0

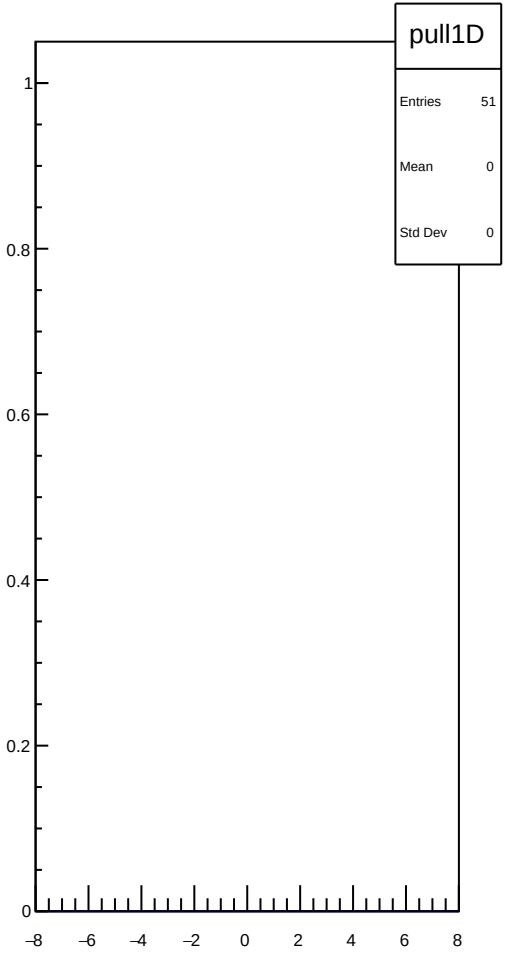

yield_bpm0l01X_rms vs run
χ² / ndf 6.189e+04 / 50
p0 0.0109 ± 1.147e−05
0.06
0.05
0.04
0.03
0.02
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

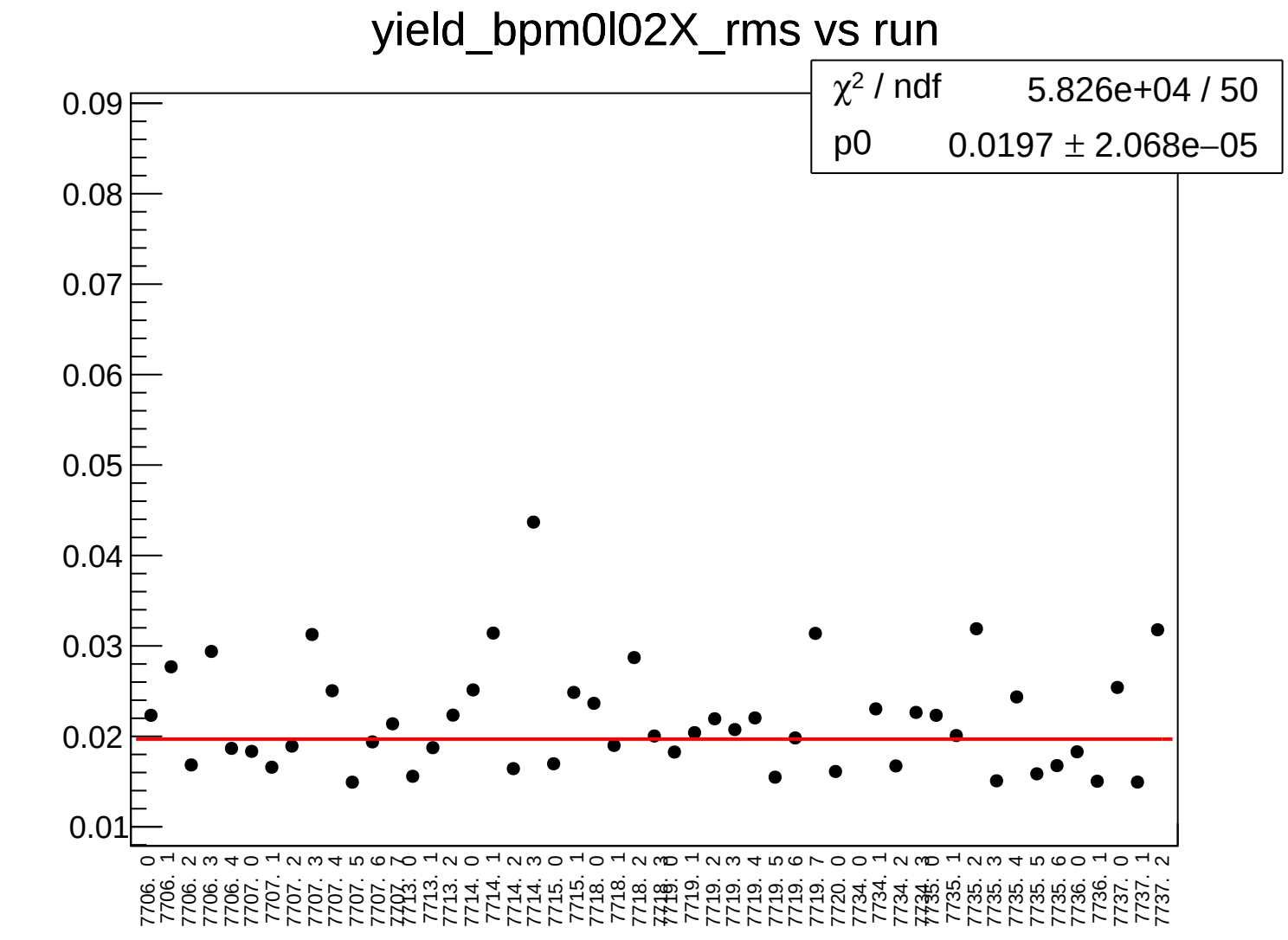

yield_bpm0l01Y_mean vs run
χ² / ndf 4.607e+06 / 50
p0 −6.18 ± 1.872e−05
−6.12
−6.14
−6.16
−6.18
−6.2
−6.22
−6.24
−6.26
−6.28
pull
Entries 51
Mean −249.4
Std Dev 272.7
400
200
0
−200
−400
−600
−800

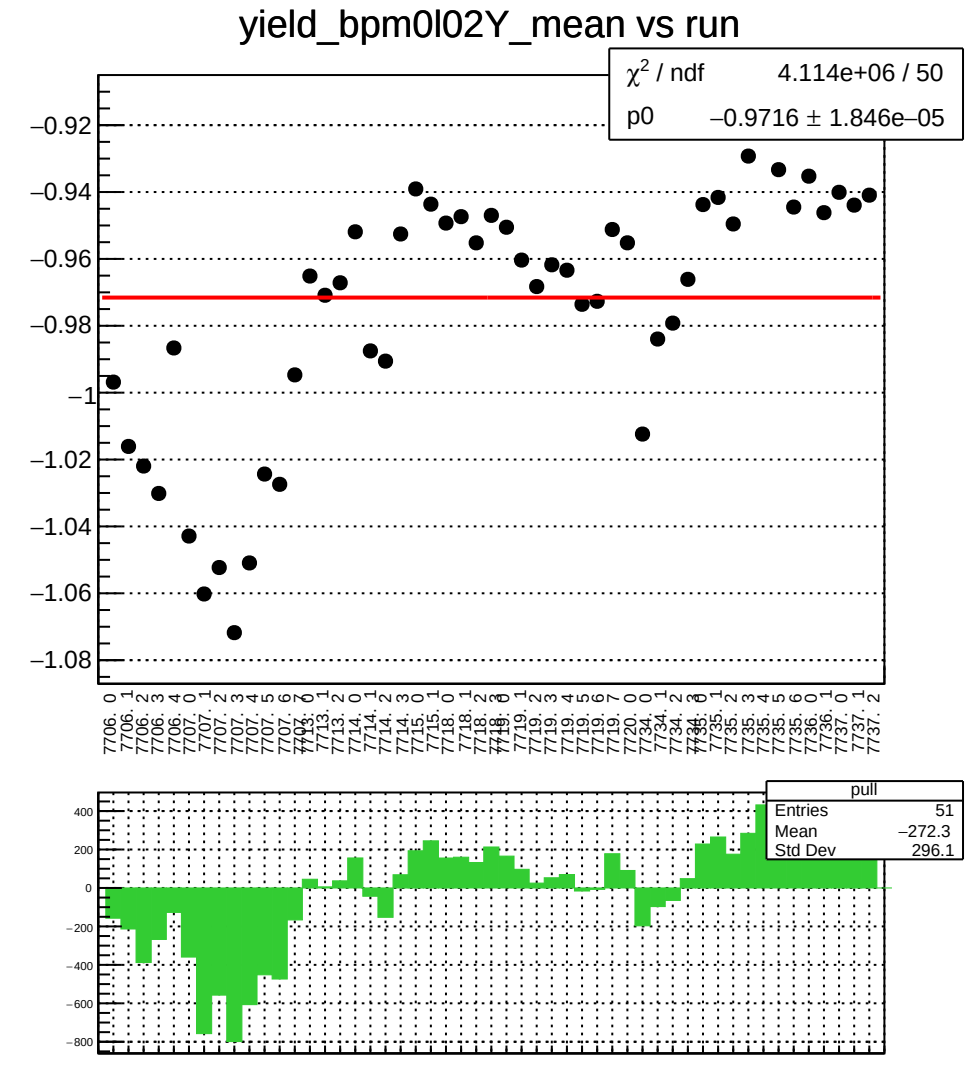

pull1D
Entries 51
Mean 2.473
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

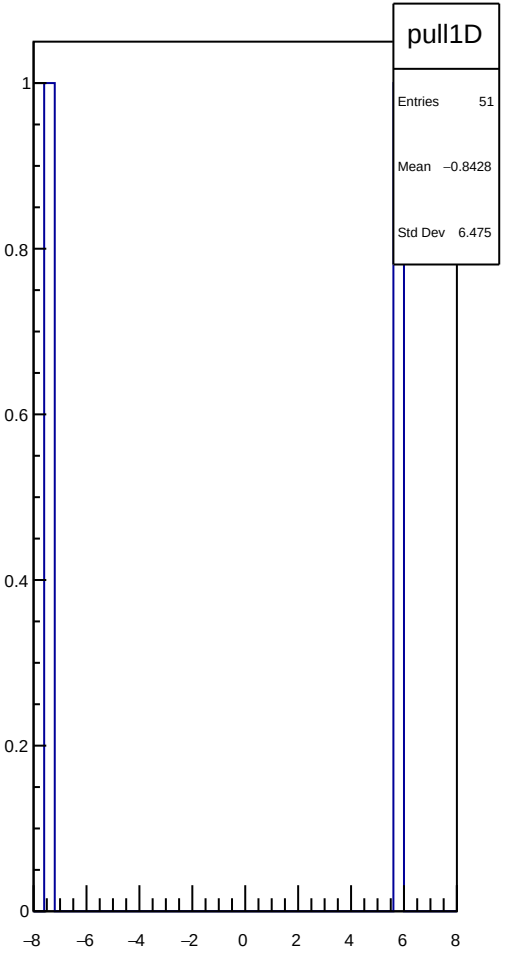

yield_bpm0l01Y_rms vs run
χ² / ndf 3.514e+04 / 50
p0 0.01277 ± 1.324e–05
0.035
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

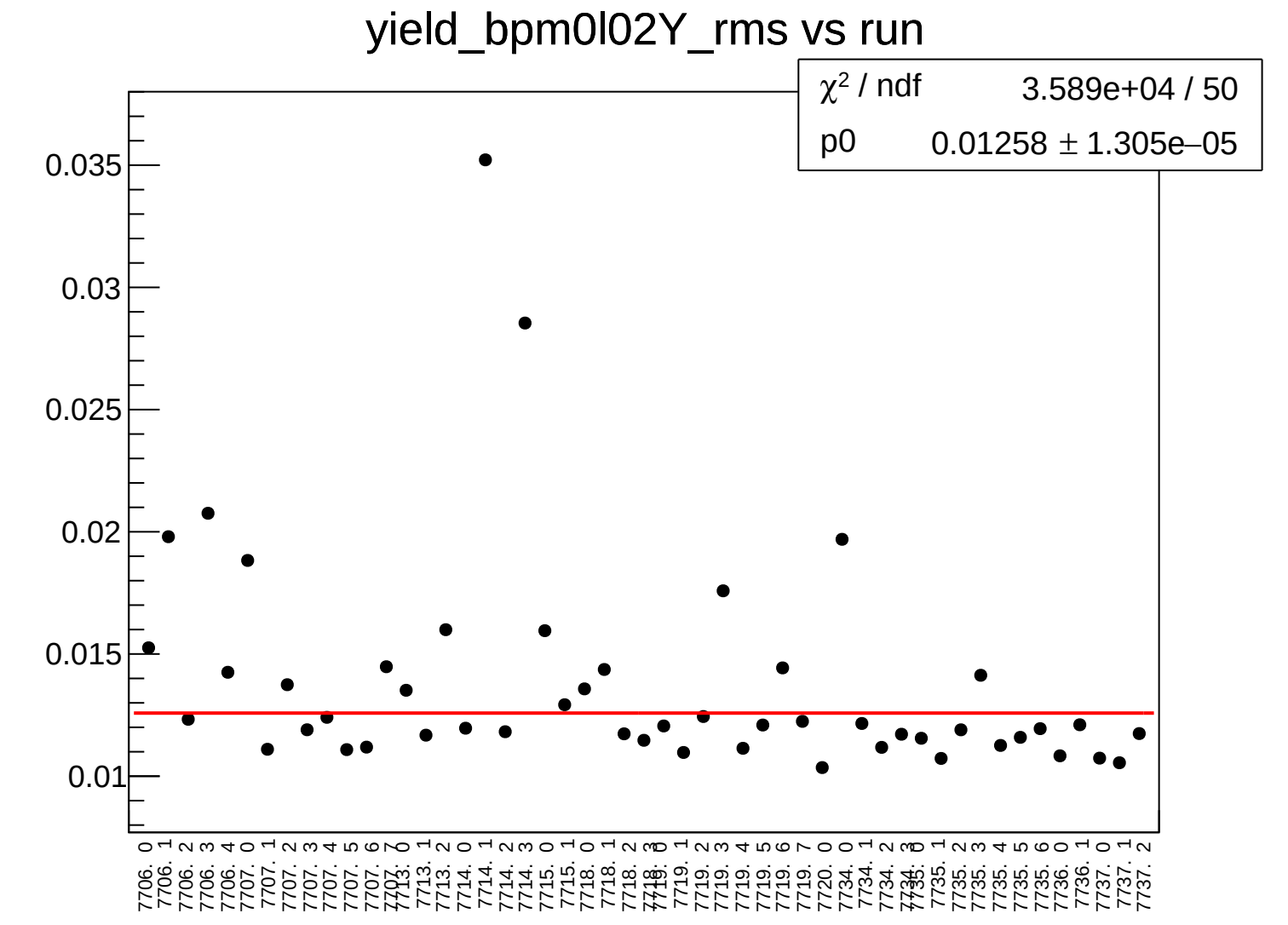

yield_bpm0l02X_mean vs run
χ² / ndf 4.629e+06 / 50
p0 −0.8323 ± 2.924e−05
pull
Entries 51
Mean −159.9
Std Dev 189

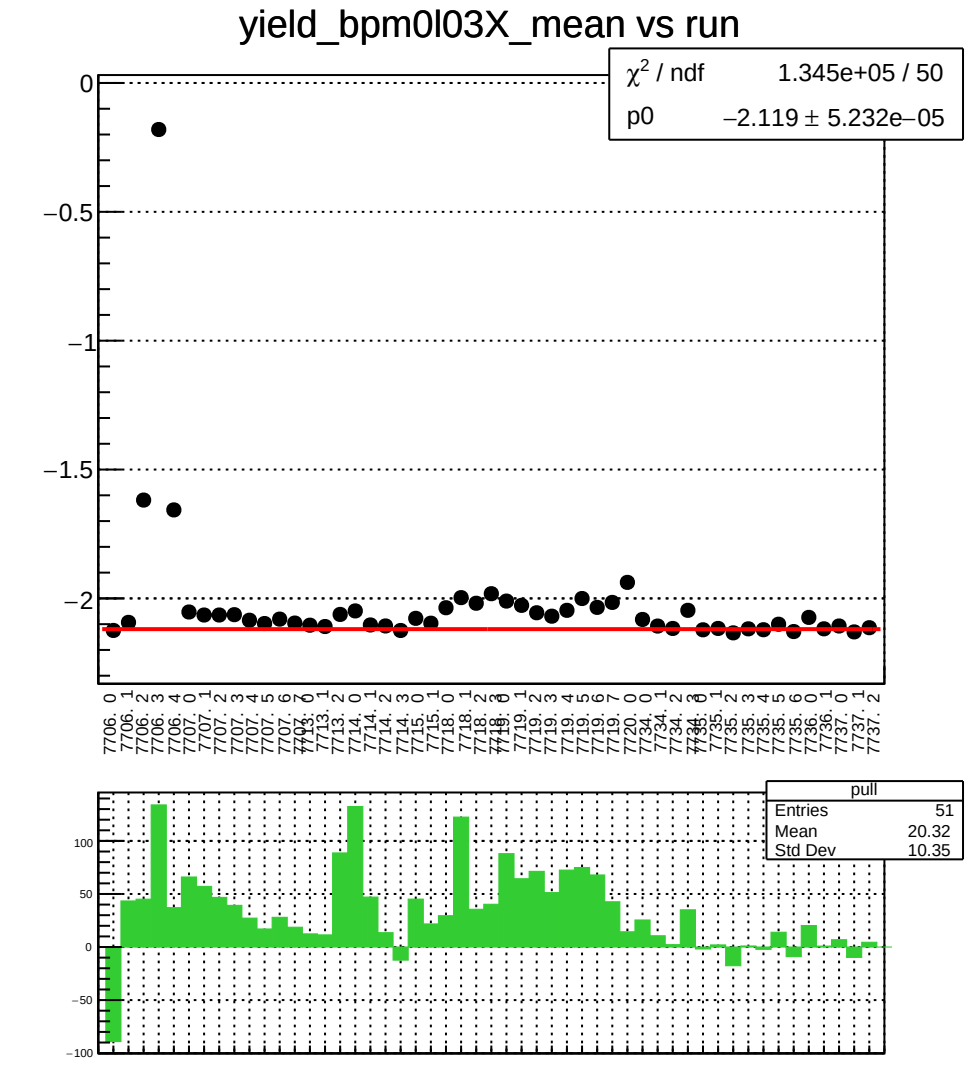

pull1D
Entries 51
Mean 0
Std Dev 0

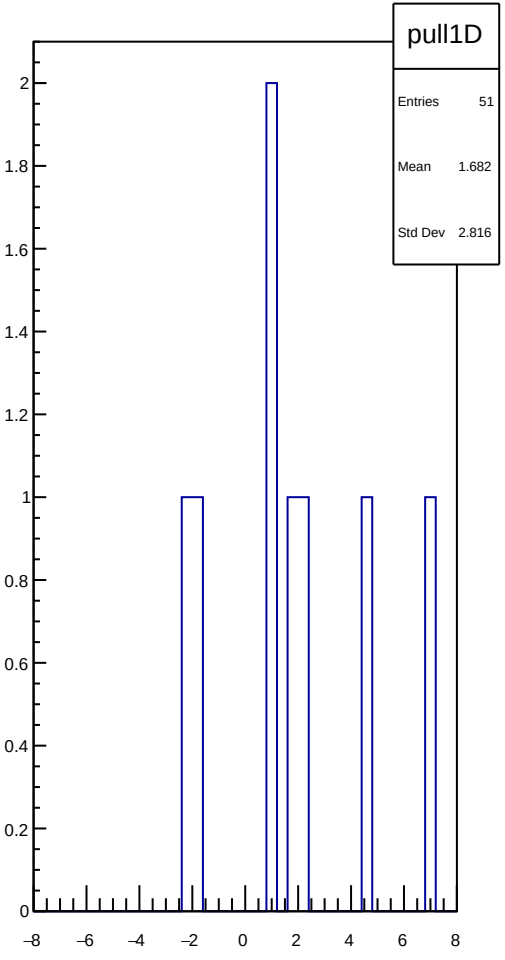

yield_bpm0l02X_rms vs run
χ² / ndf 5.826e+04 / 50
p0 0.0197 ± 2.068e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

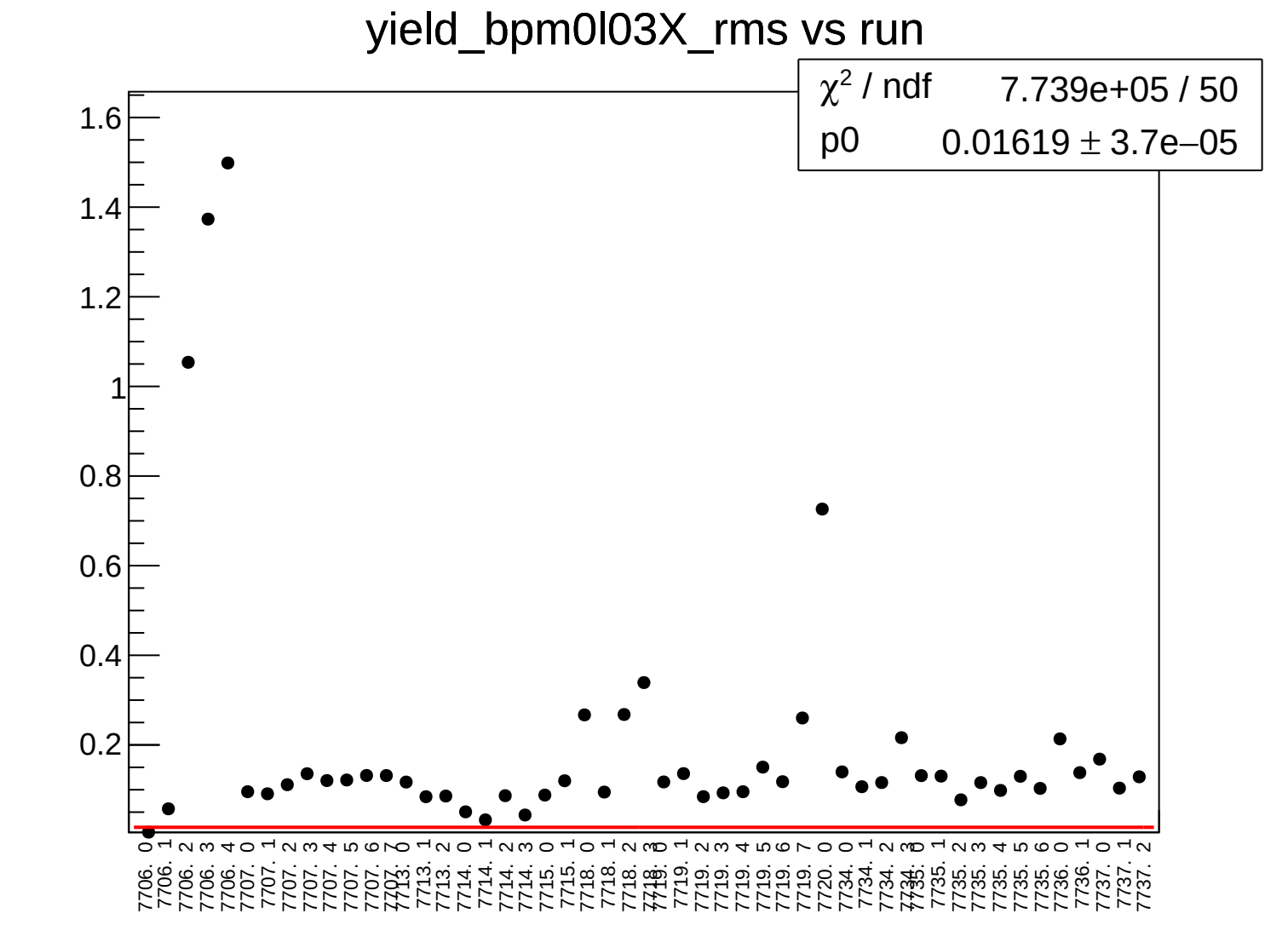

yield_bpm0l02Y_mean vs run
χ² / ndf 4.114e+06 / 50
p0 −0.9716 ± 1.846e−05
−0.92
−0.94
−0.96
−0.98
−1
−1.02
−1.04
−1.06
−1.08
pull
Entries 51
Mean −272.3
Std Dev 296.1
400
200
0
−200
−400
−600
−800

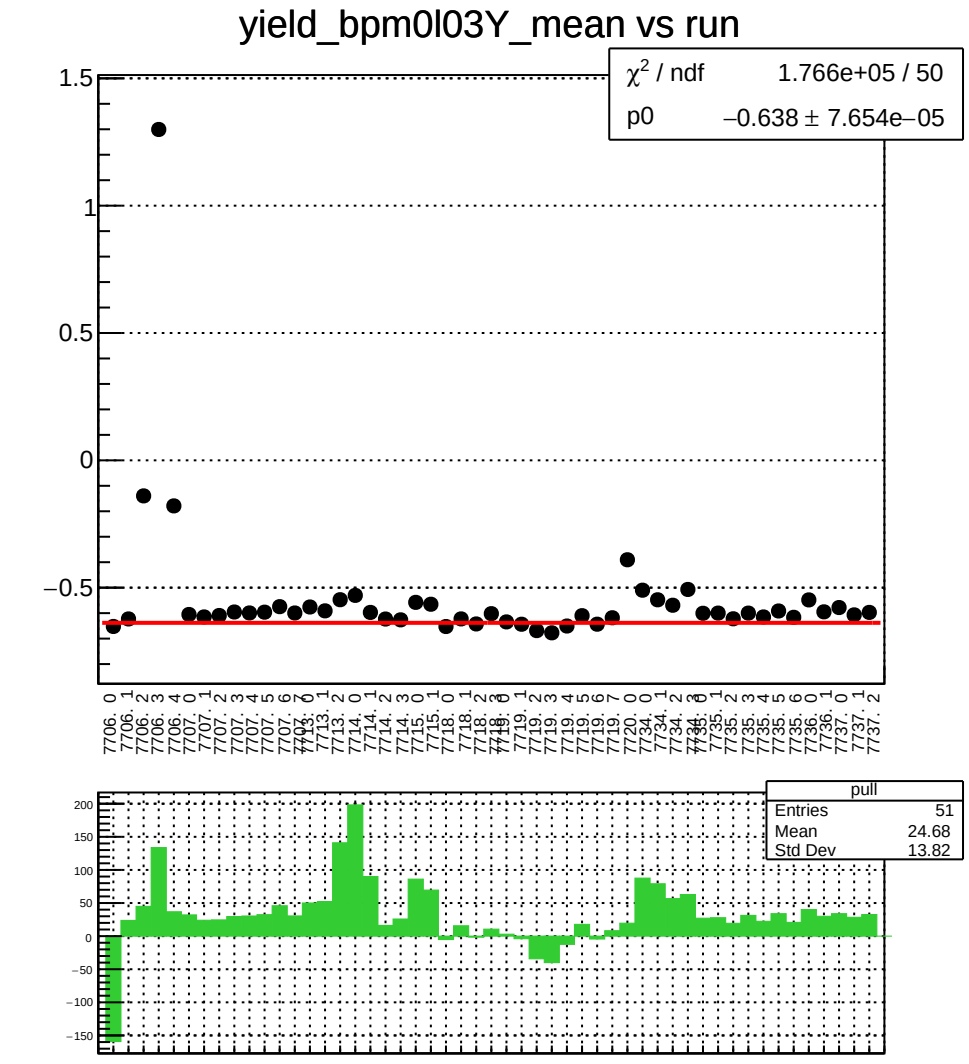

pull1D
Entries 51
Mean −0.8428
Std Dev 6.475
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

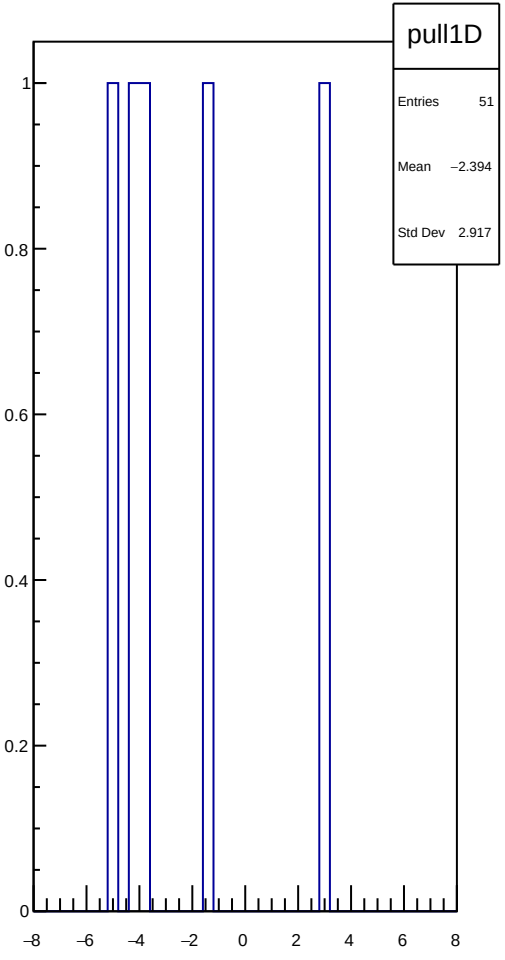

yield_bpm0l02Y_rms vs run
χ² / ndf 3.589e+04 / 50
p0 0.01258 ± 1.305e−05
0.035
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

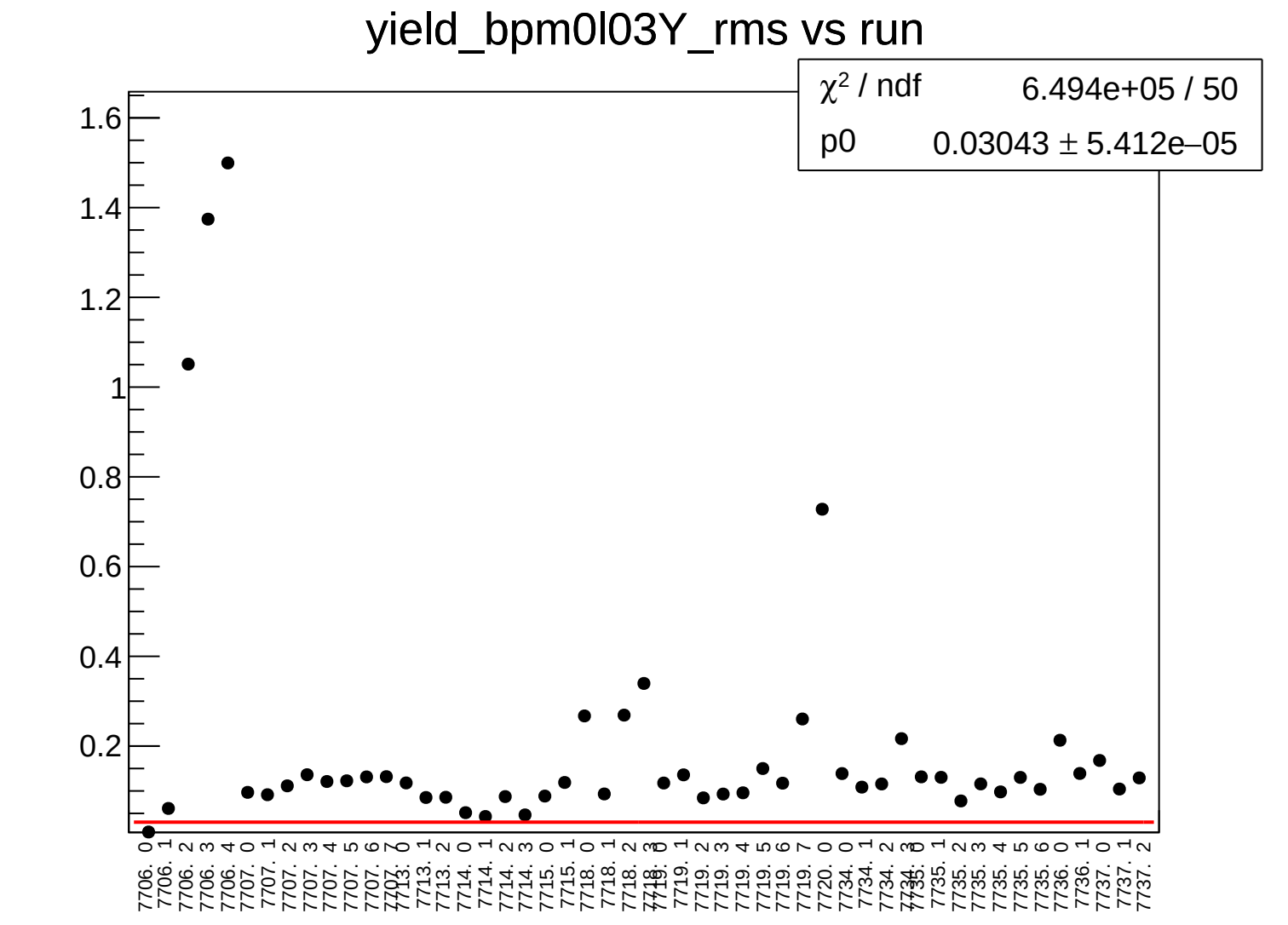

yield_bpm0l03X_mean vs run
χ² / ndf 1.345e+05 / 50
p0 −2.119 ± 5.232e−05
pull
Entries 51
Mean 20.32
Std Dev 10.35

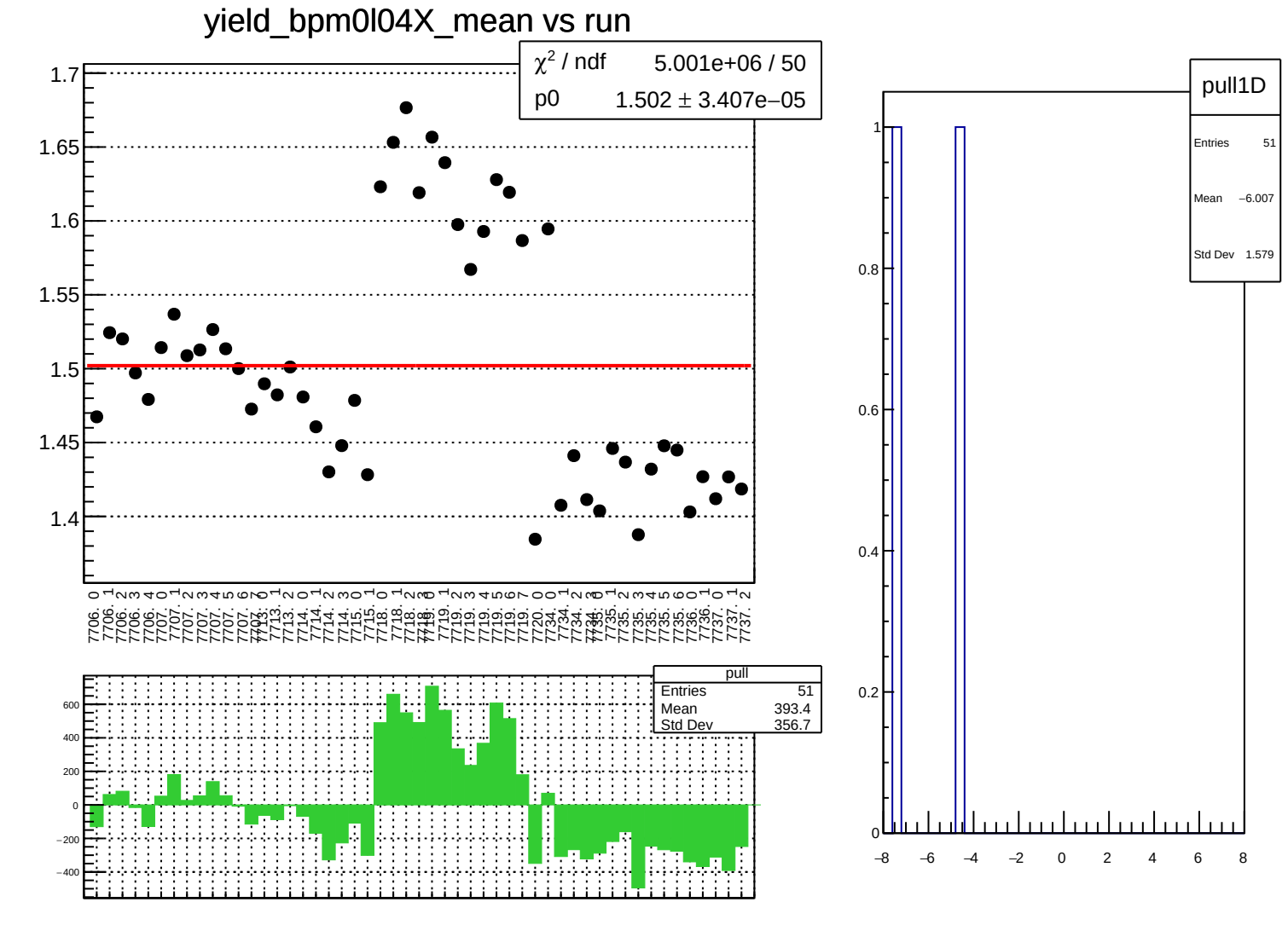

pull1D
Entries 51
Mean 1.682
Std Dev 2.816

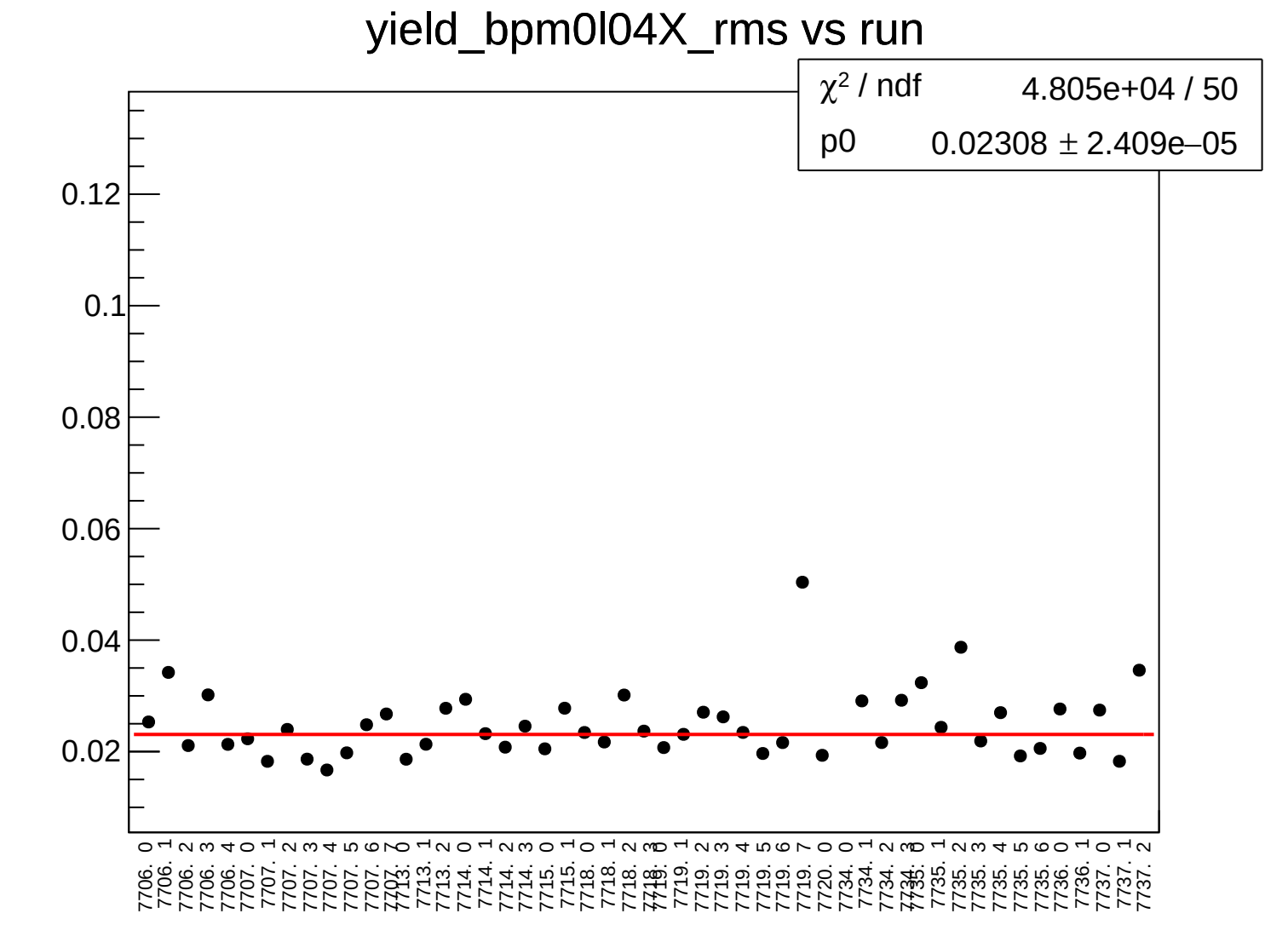

yield_bpm0l03X_rms vs run
χ^2 / ndf 7.739e+05 / 50
p0 0.01619 ± 3.7e−05
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

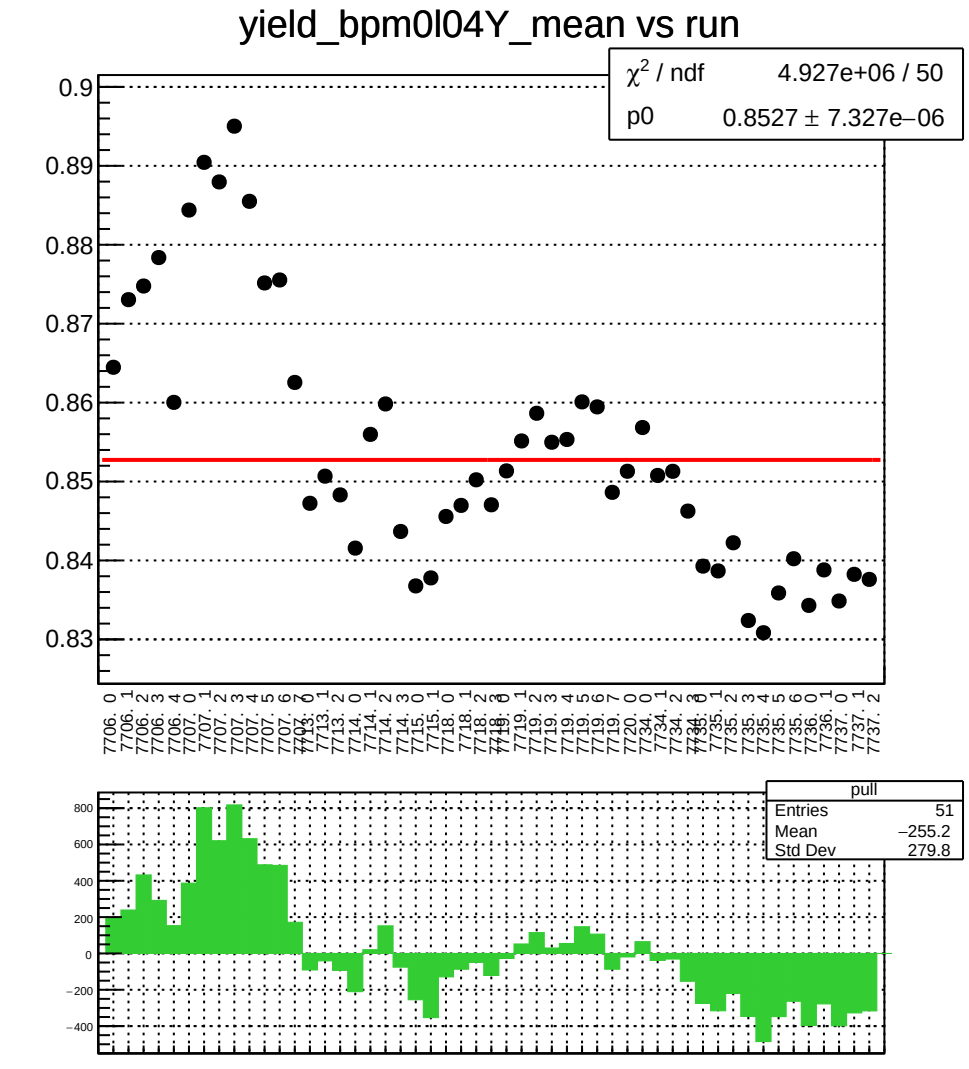

yield_bpm0l03Y_mean vs run
χ² / ndf 1.766e+05 / 50
p0 −0.638 ± 7.654e−05
pull
Entries 51
Mean 24.68
Std Dev 13.82

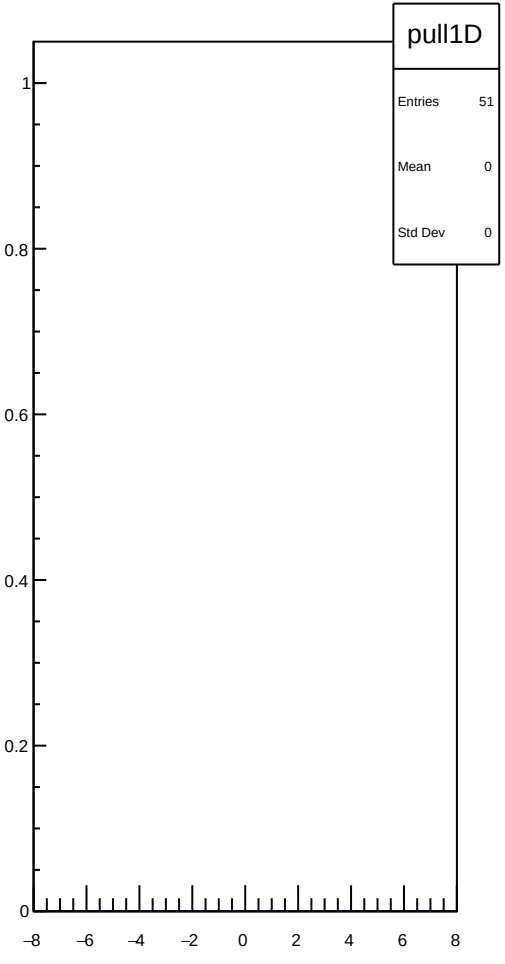

pull1D
Entries 51
Mean −2.394
Std Dev 2.917

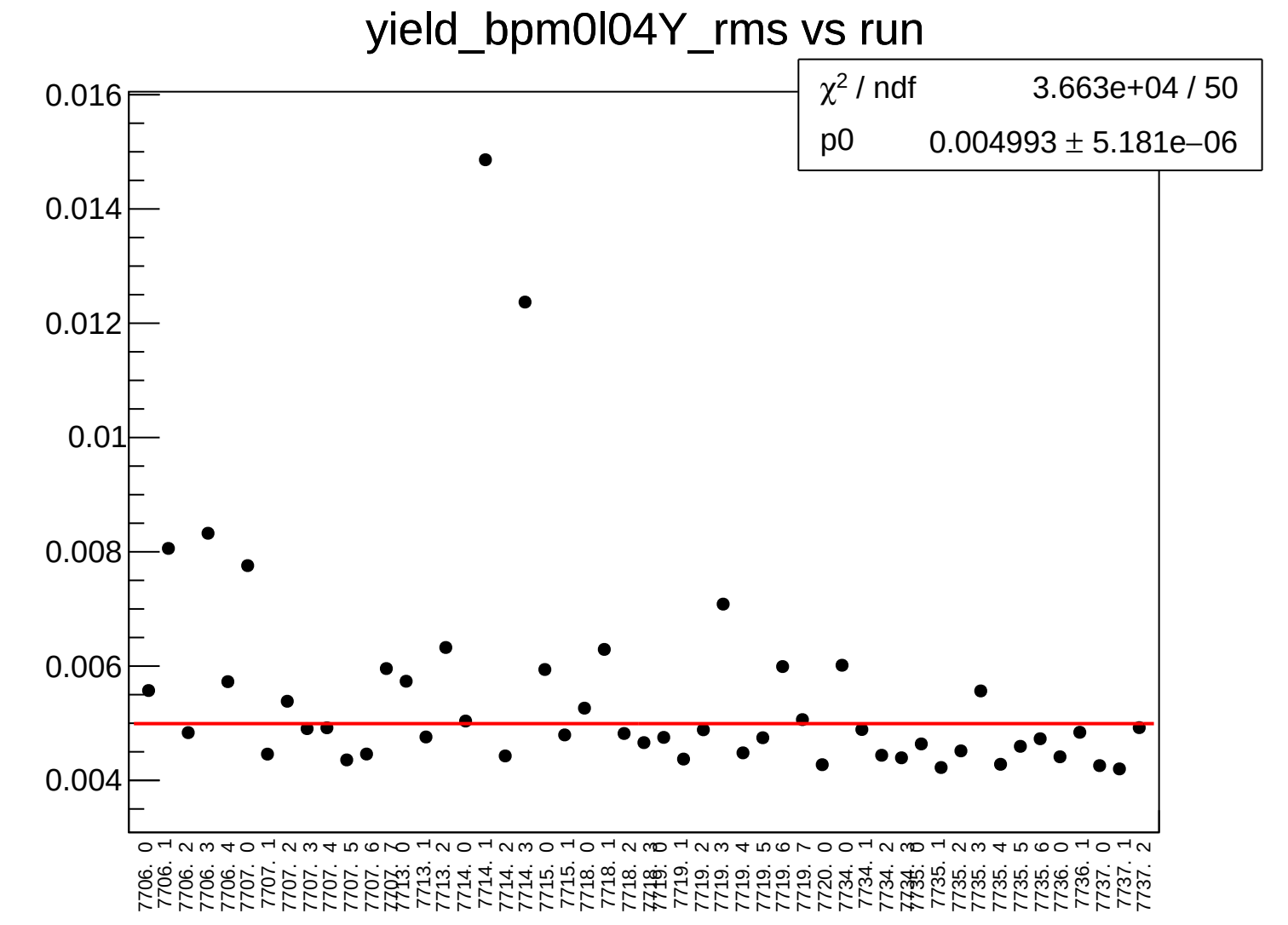

yield_bpm0l03Y_rms vs run
χ² / ndf 6.494e+05 / 50
p0 0.03043 ± 5.412e–05
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

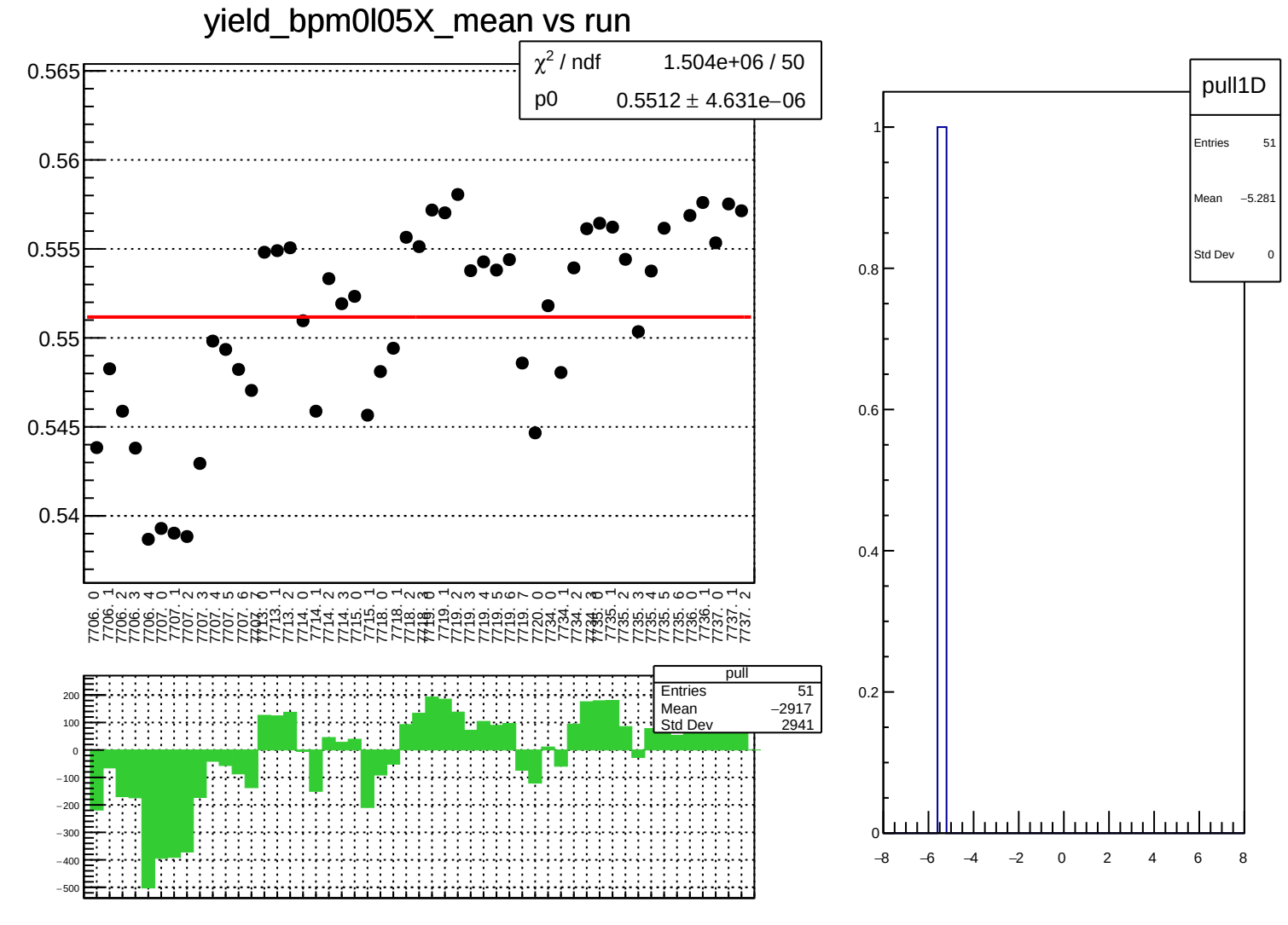

yield_bpm0l04X_mean vs run
χ² / ndf 5.001e+06 / 50
p0 1.502 ± 3.407e−05
pull
Entries 51
Mean 393.4
Std Dev 356.7
pull1D
Entries 51
Mean −6.007
Std Dev 1.579

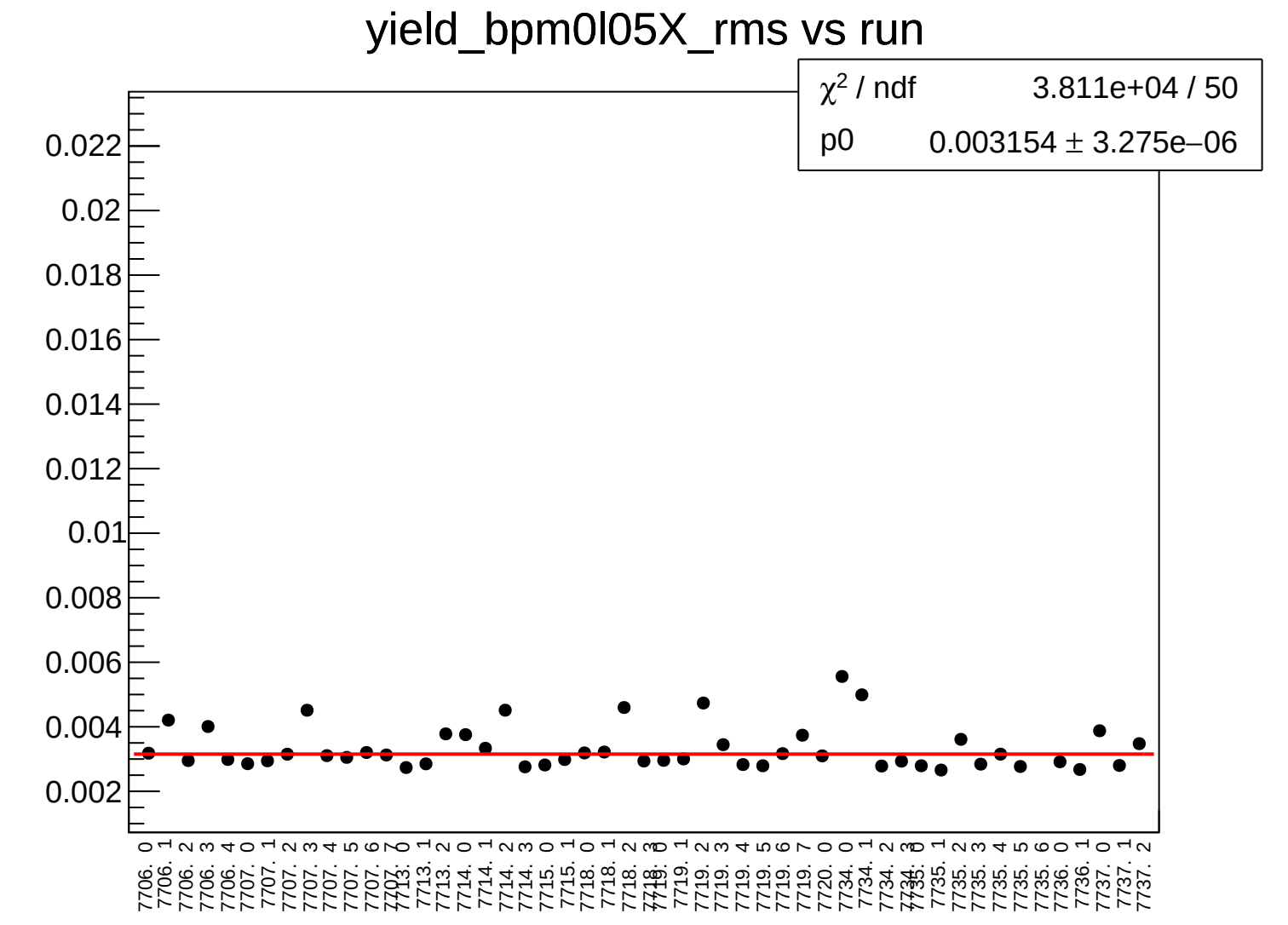

yield_bpm0l04X_rms vs run
χ² / ndf 4.805e+04 / 50
p0 0.02308 ± 2.409e–05
0.12
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

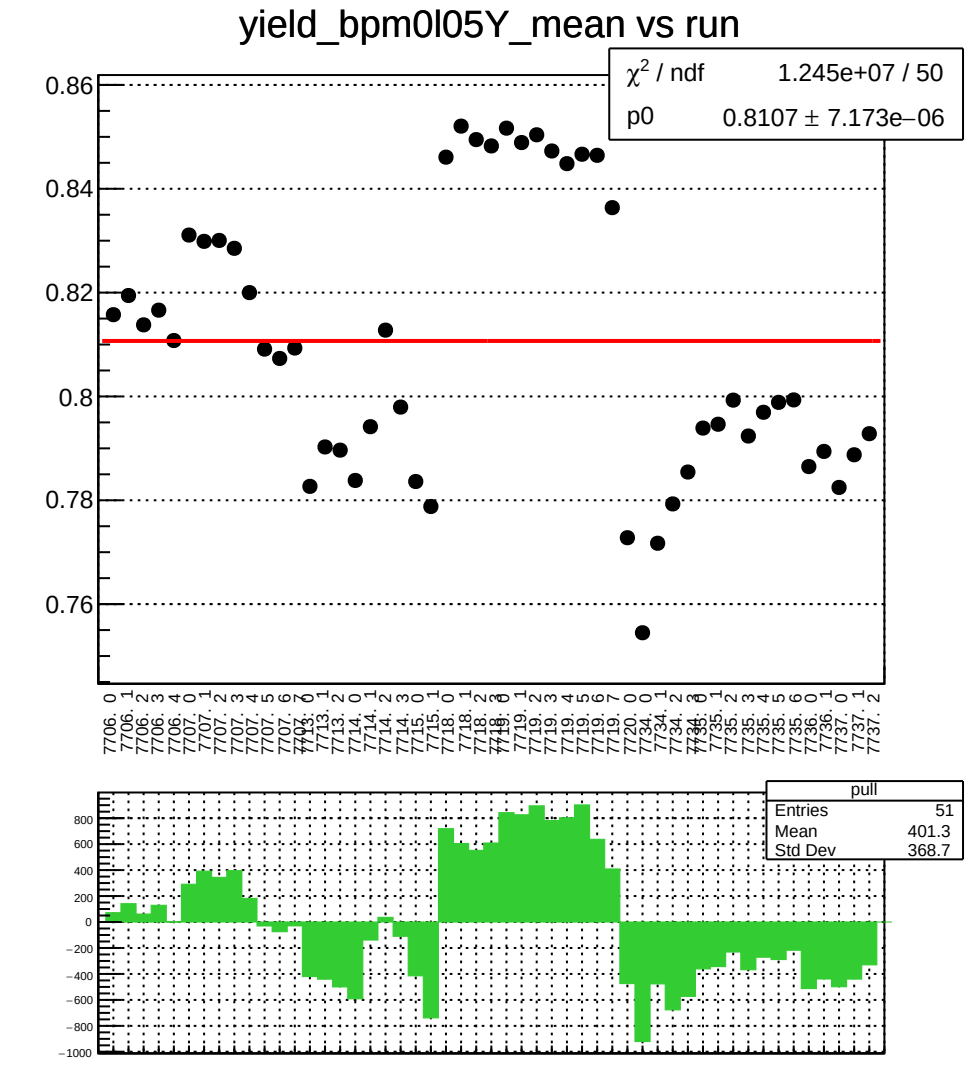

yield_bpm0l04Y_mean vs run
χ² / ndf 4.927e+06 / 50
p0 0.8527 ± 7.327e−06
pull
Entries 51
Mean −255.2
Std Dev 279.8

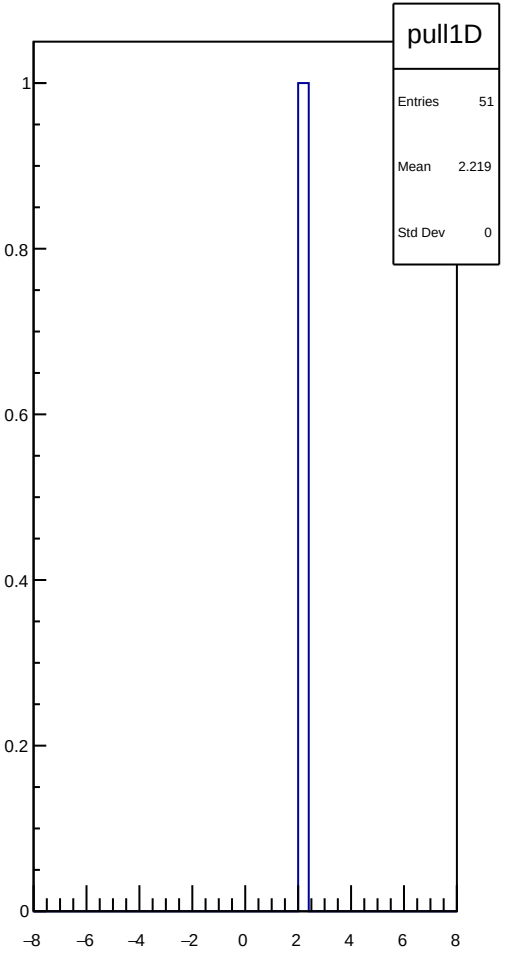

pull1D
Entries 51
Mean 0
Std Dev 0

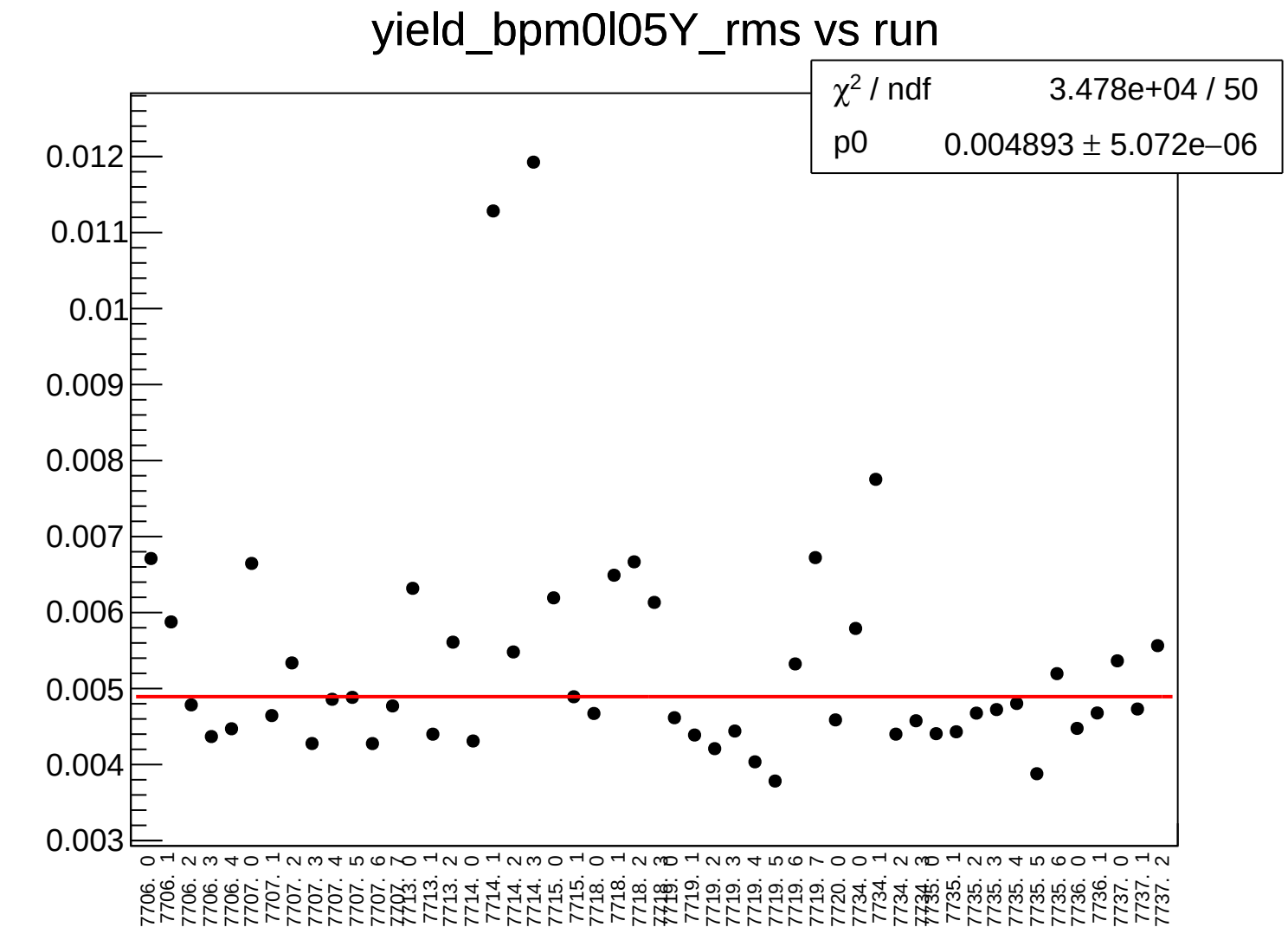

yield_bpm0l04Y_rms vs run
χ² / ndf 3.663e+04 / 50
p0 0.004993 ± 5.181e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

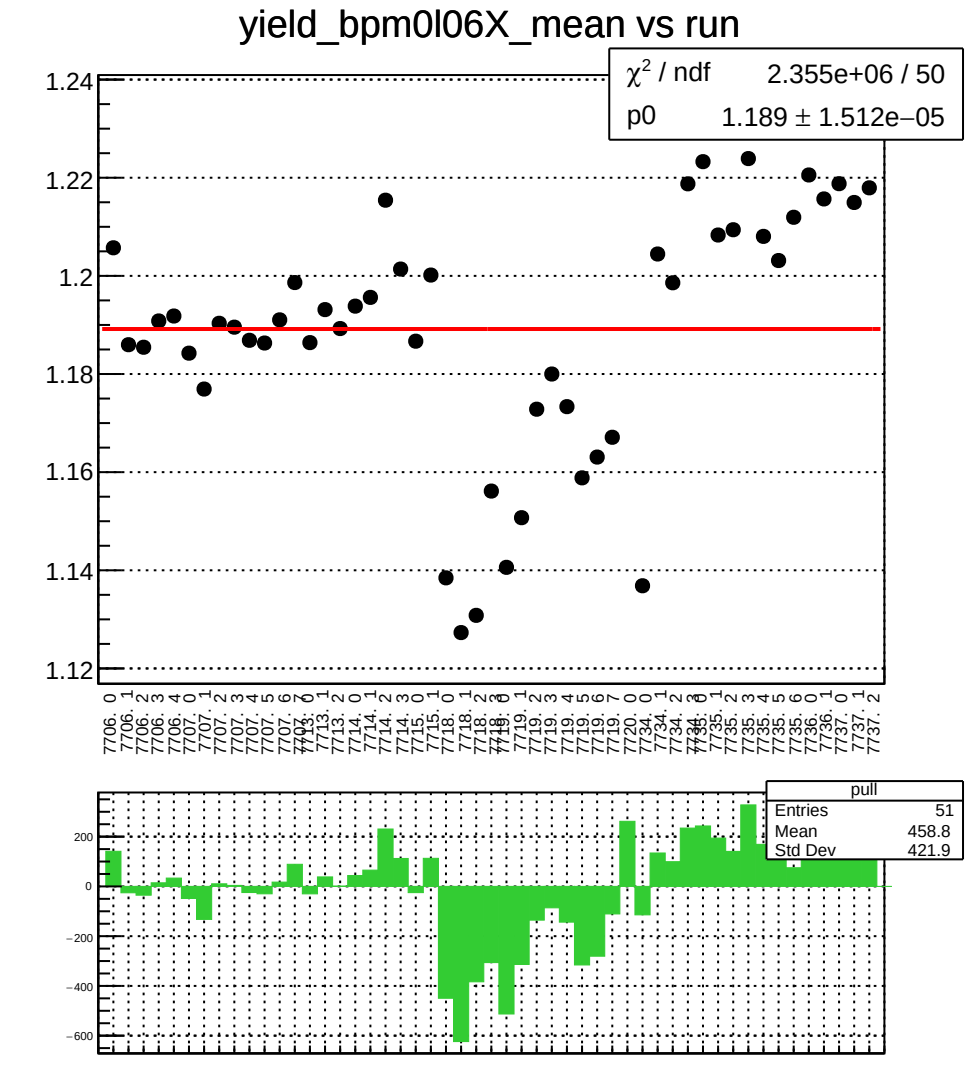

yield_bpm0l05X_mean vs run
χ² / ndf 1.504e+06 / 50
p0 0.5512 ± 4.631e−06
0.565
0.56
0.555
0.55
0.545
0.54
pull
Entries 51
Mean −2917
Std Dev 2941
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 51
Mean −5.281
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

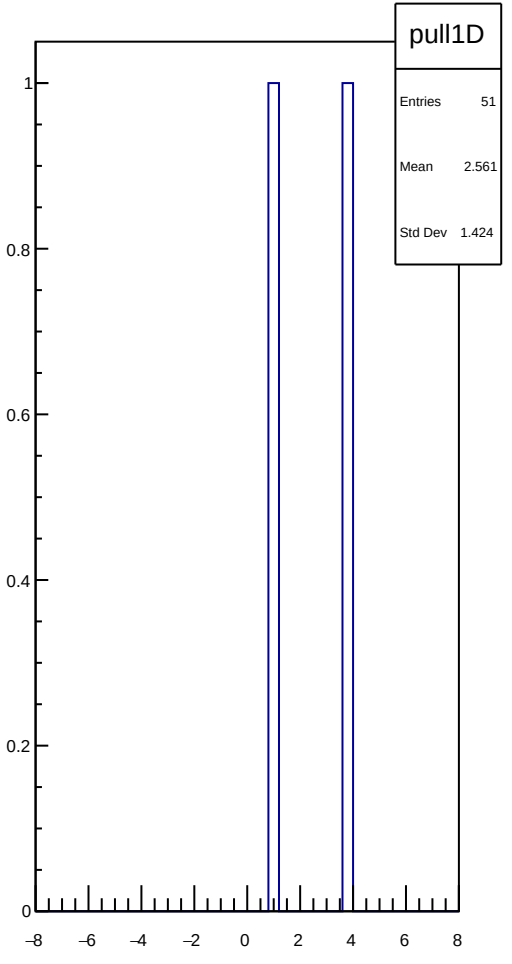

yield_bpm0l05X_rms vs run
χ^2 / ndf 3.811e+04 / 50
p0 0.003154 ± 3.275e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

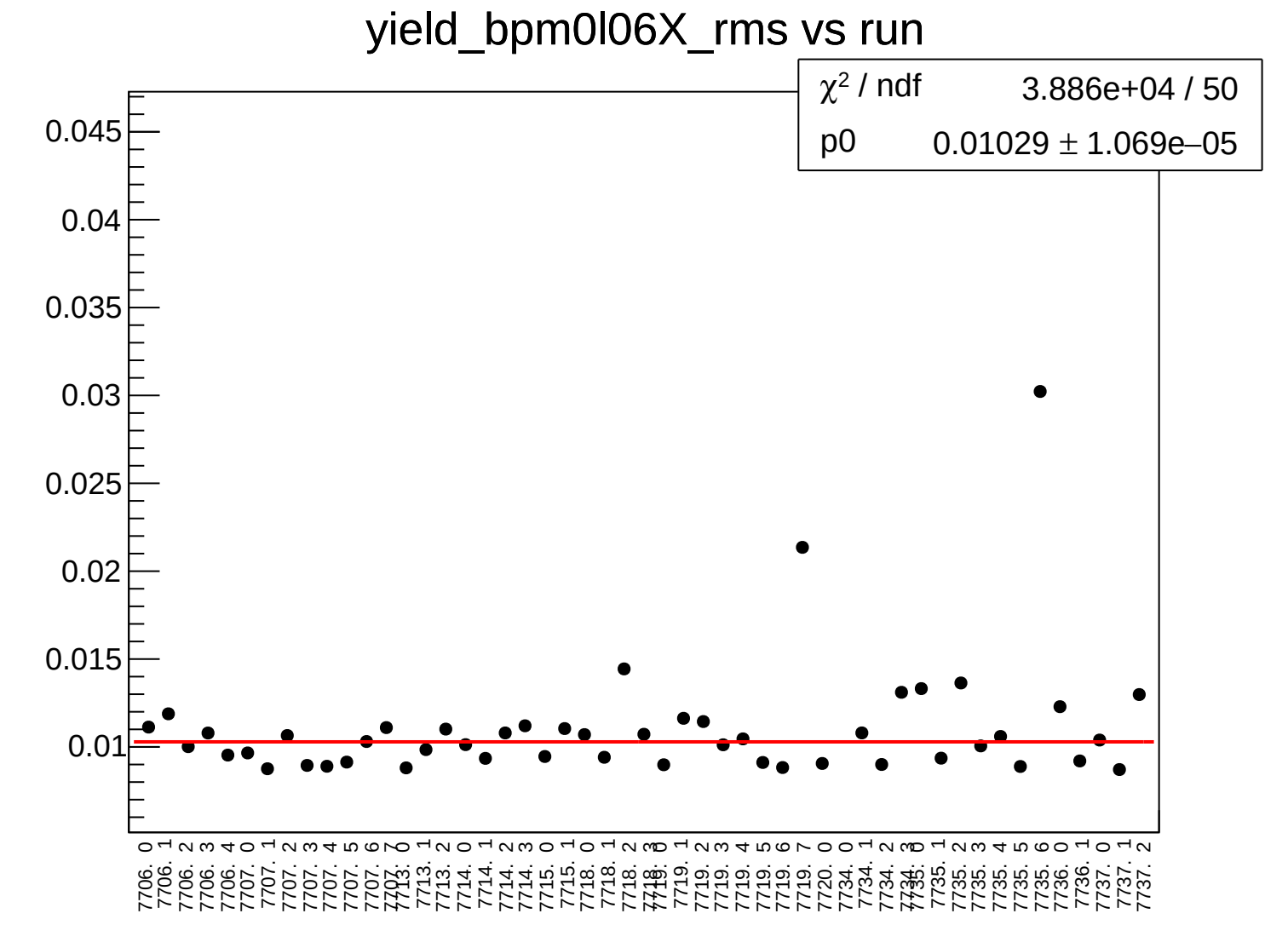

yield_bpm0l05Y_mean vs run
χ² / ndf 1.245e+07 / 50
p0 0.8107 ± 7.173e−06
0.86
0.84
0.82
0.8
0.78
0.76
pull
Entries 51
Mean 401.3
Std Dev 368.7
800
600
400
200
0
−200
−400
−600
−800
−1000

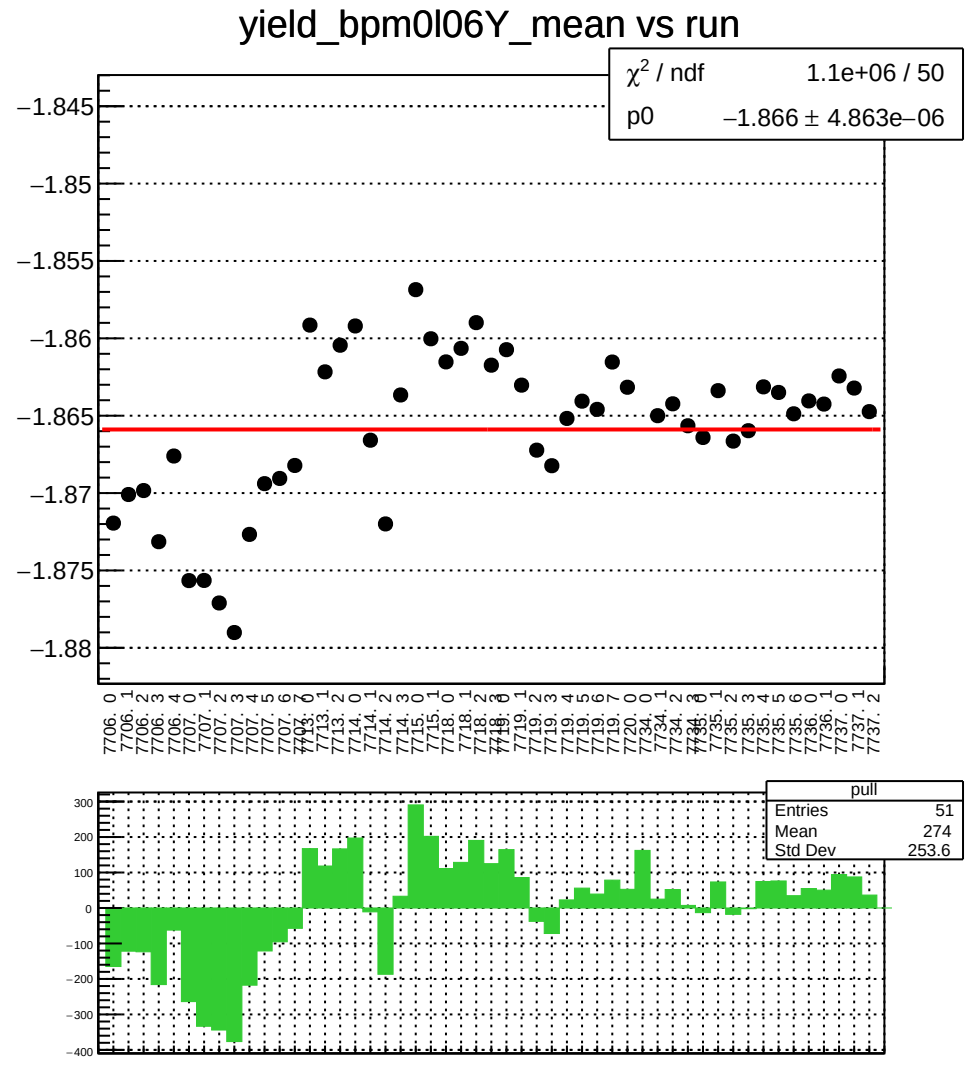

pull1D
Entries 51
Mean 2.219
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

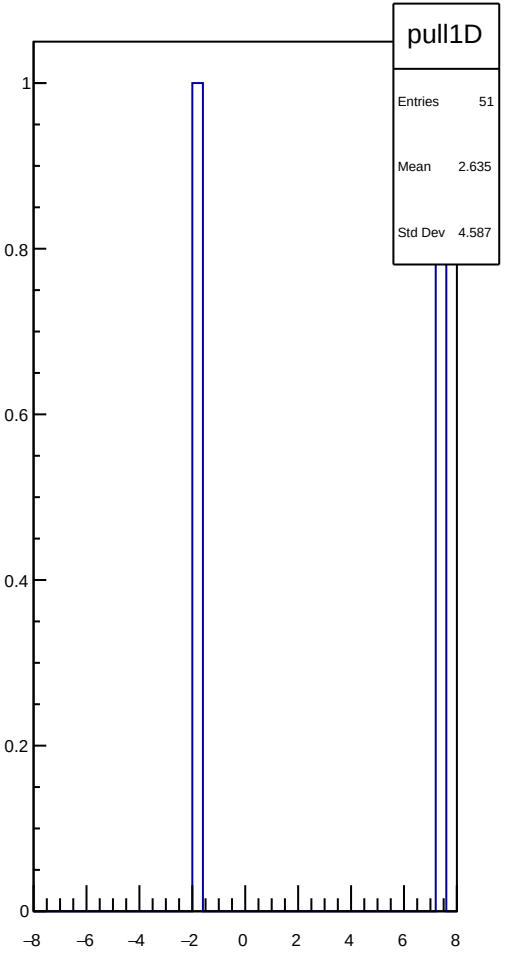

yield_bpm0l05Y_rms vs run
χ² / ndf 3.478e+04 / 50
p0 0.004893 ± 5.072e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

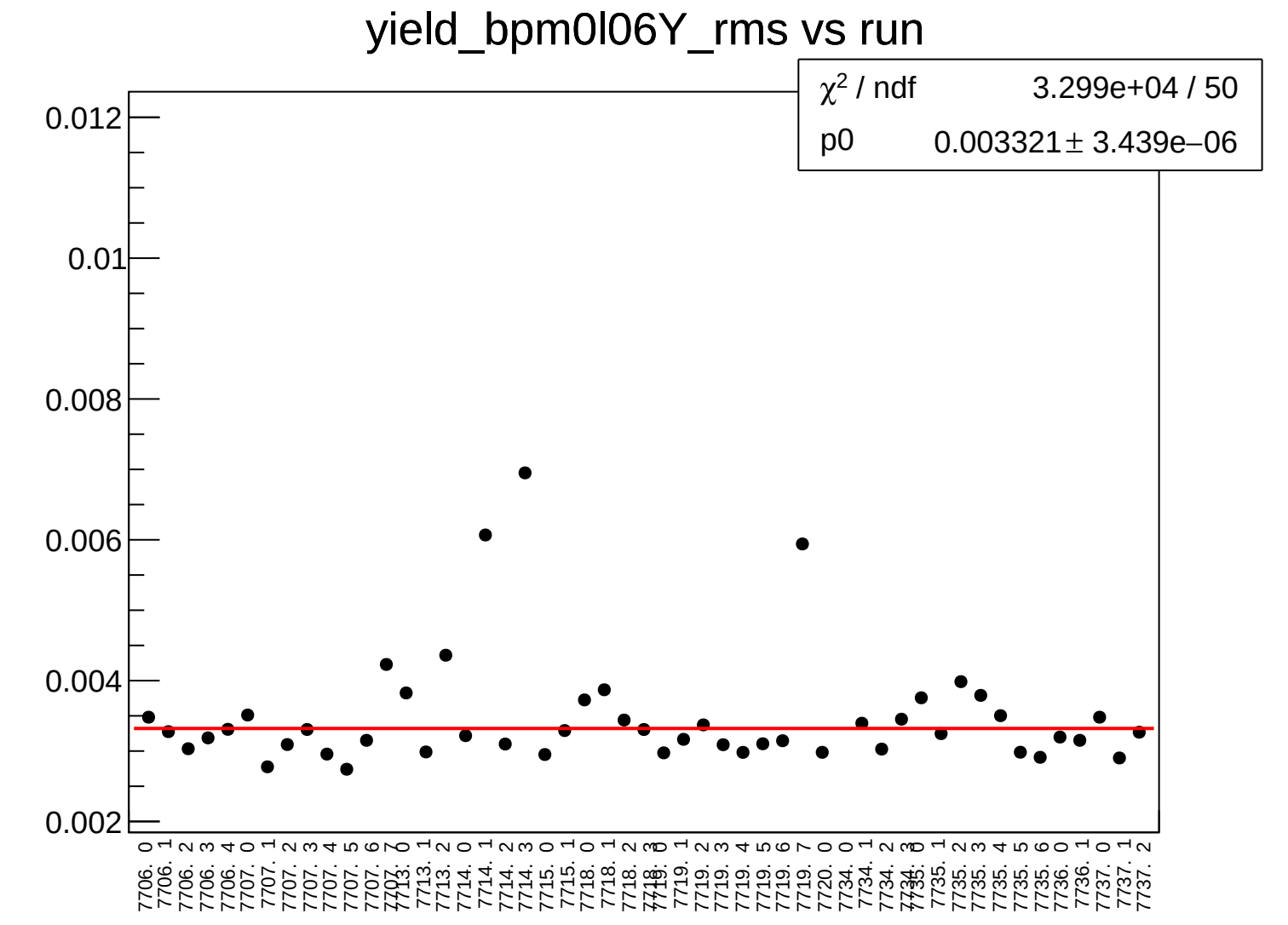

yield_bpm0l06X_mean vs run
χ² / ndf 2.355e+06 / 50
p0 1.189 ± 1.512e−05
1.24
1.22
1.2
1.18
1.16
1.14
1.12
pull
Entries 51
Mean 458.8
Std Dev 421.9
200
0
−200
−400
−600

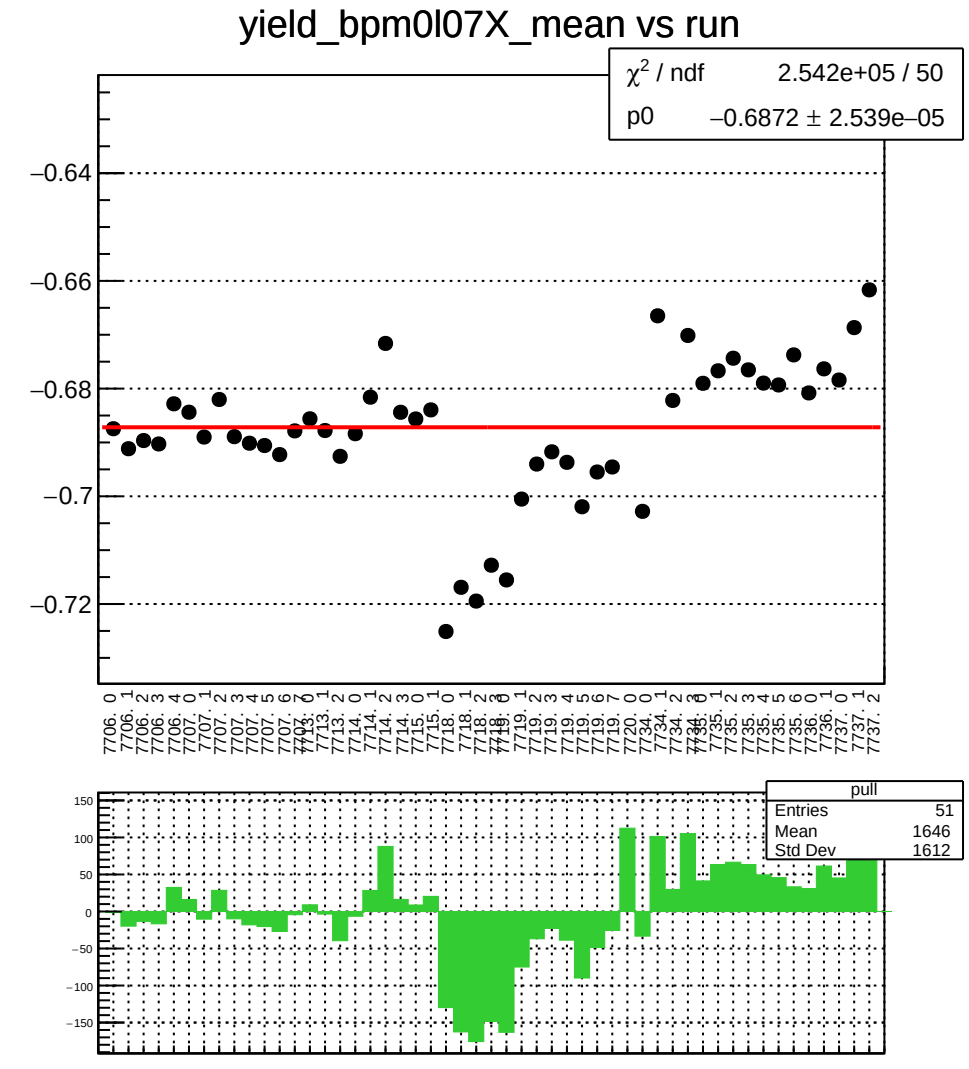

pull1D
Entries 51
Mean 2.561
Std Dev 1.424
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

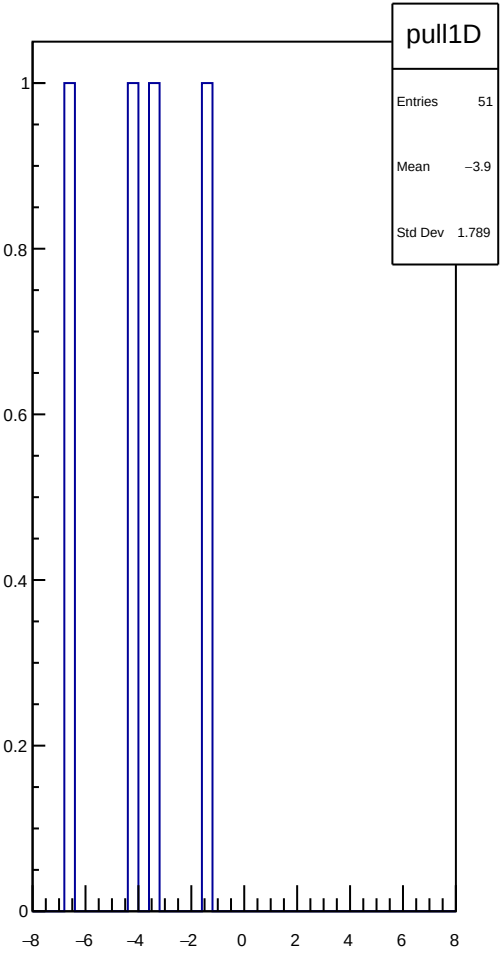

yield_bpm0l06X_rms vs run
χ² / ndf 3.886e+04 / 50
p0 0.01029 ± 1.069e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

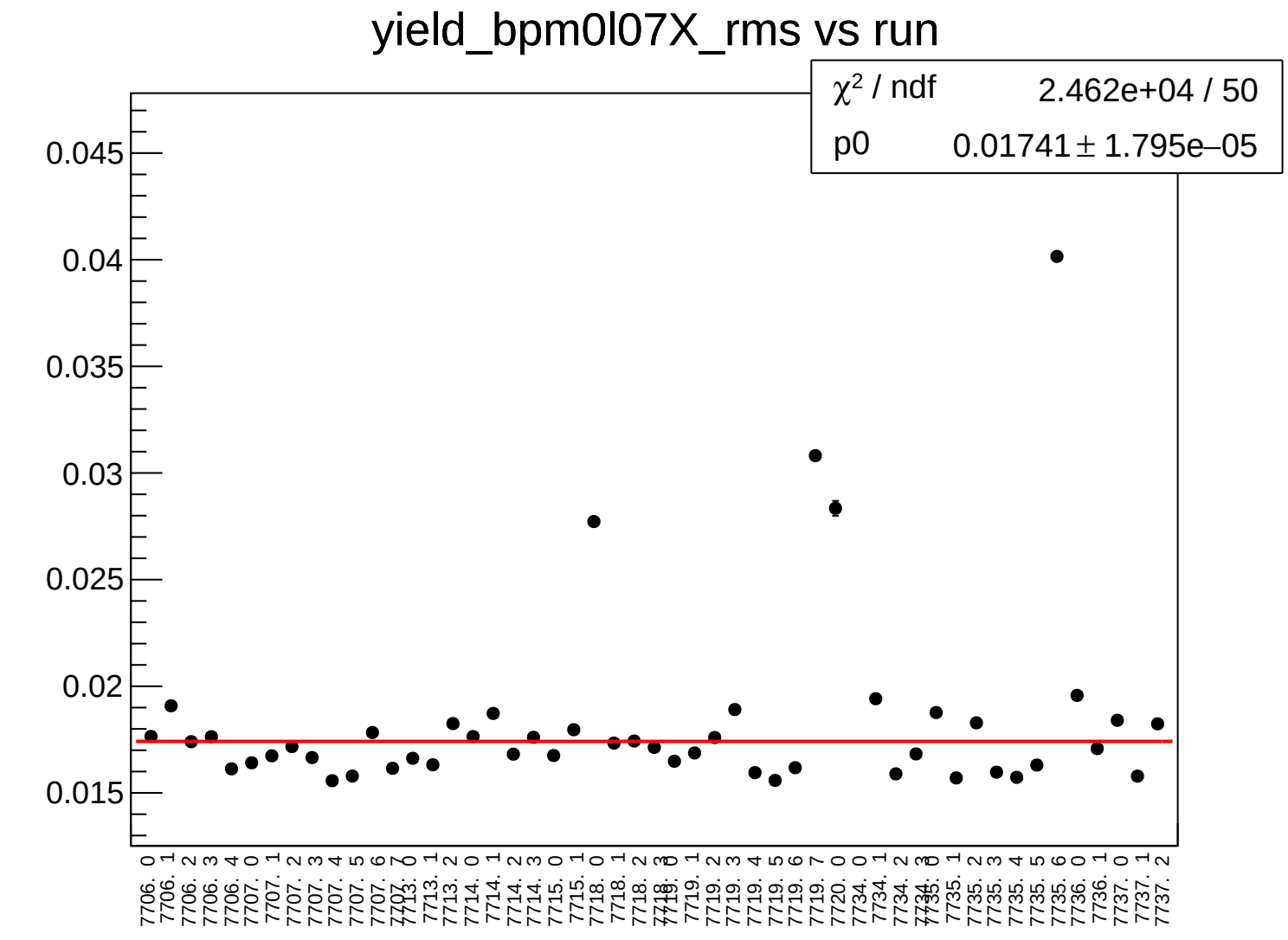

yield_bpm0l06Y_mean vs run
χ² / ndf 1.1e+06 / 50
p0 −1.866 ± 4.863e−06
−1.845
−1.85
−1.855
−1.86
−1.865
−1.87
−1.875
−1.88
pull
Entries 51
Mean 274
Std Dev 253.6
300
200
100
0
−100
−200
−300
−400

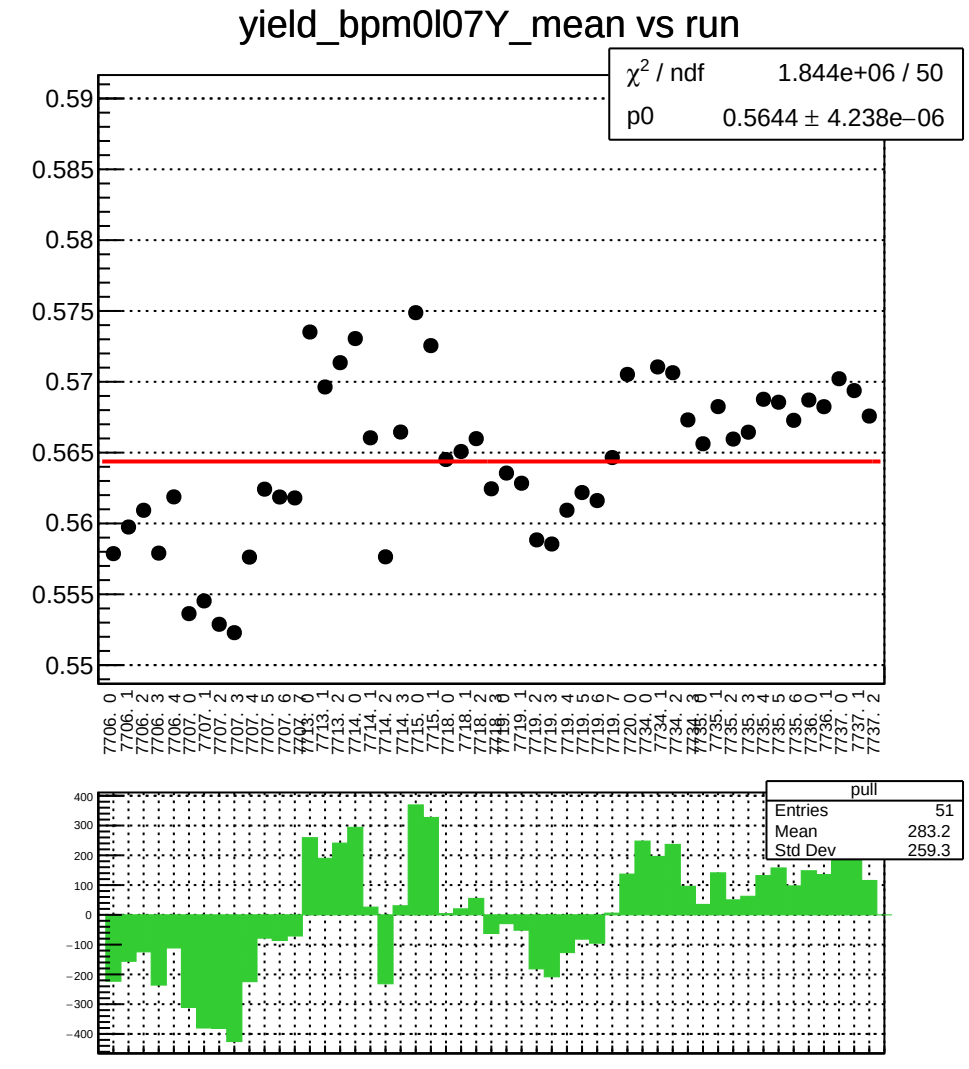

pull1D
Entries 51
Mean 2.635
Std Dev 4.587
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

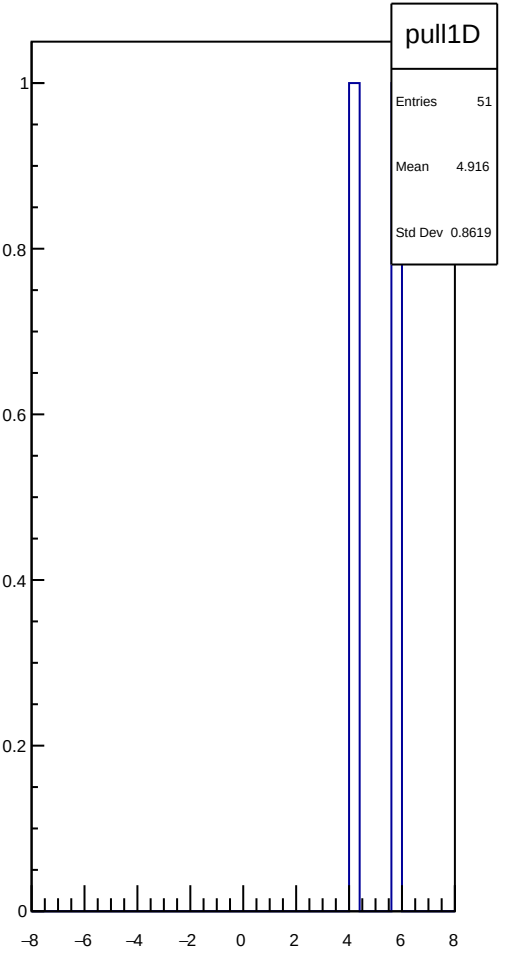

yield_bpm0l06Y_rms vs run
χ² / ndf 3.299e+04 / 50
p0 0.003321 ± 3.439e−06
0.012
0.01
0.008
0.006
0.004
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

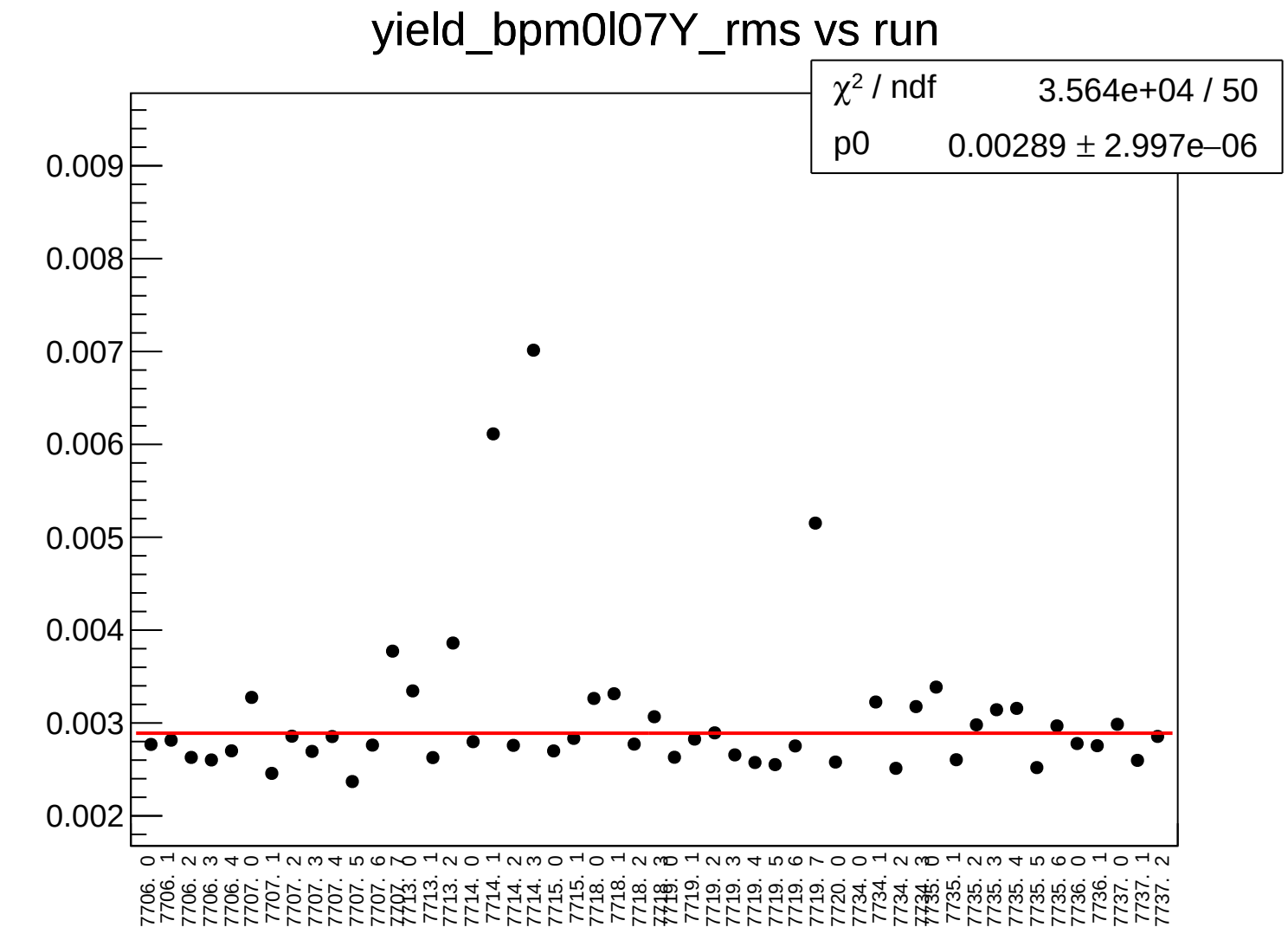

yield_bpm0l07X_mean vs run
χ² / ndf 2.542e+05 / 50
p0 −0.6872 ± 2.539e−05
−0.64
−0.66
−0.68
−0.7
−0.72
pull
Entries 51
Mean 1646
Std Dev 1612
150
100
50
0
−50
−100
−150

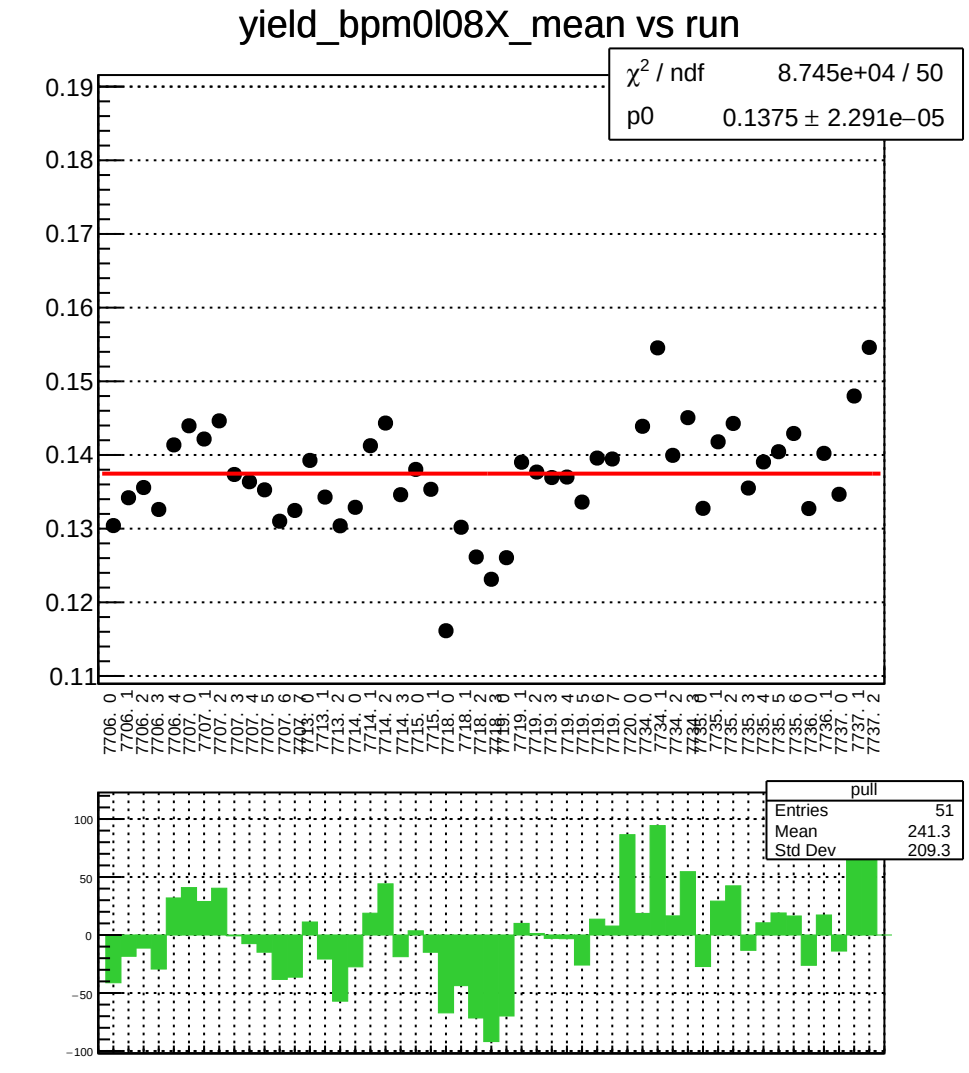

pull1D
Entries 51
Mean −3.9
Std Dev 1.789
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

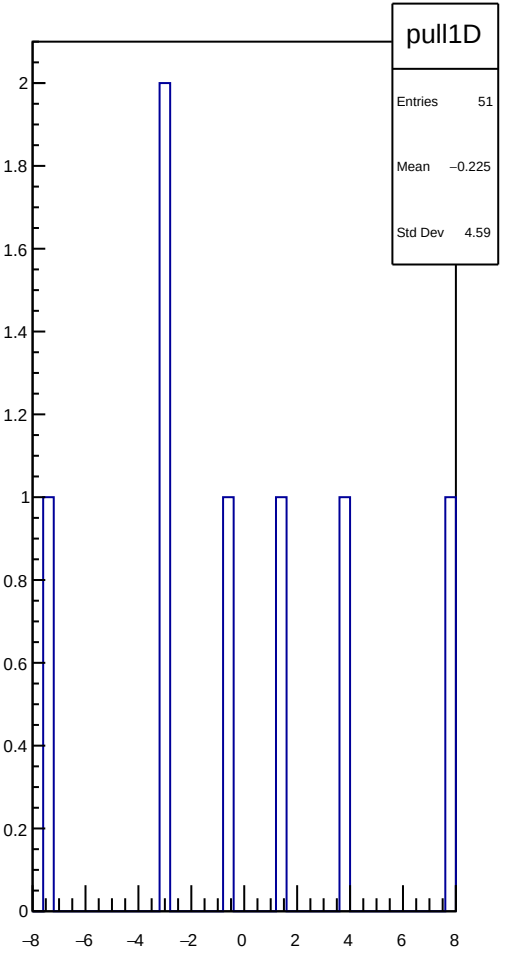

yield_bpm0l07X_rms vs run
χ² / ndf 2.462e+04 / 50
p0 0.01741 ± 1.795e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

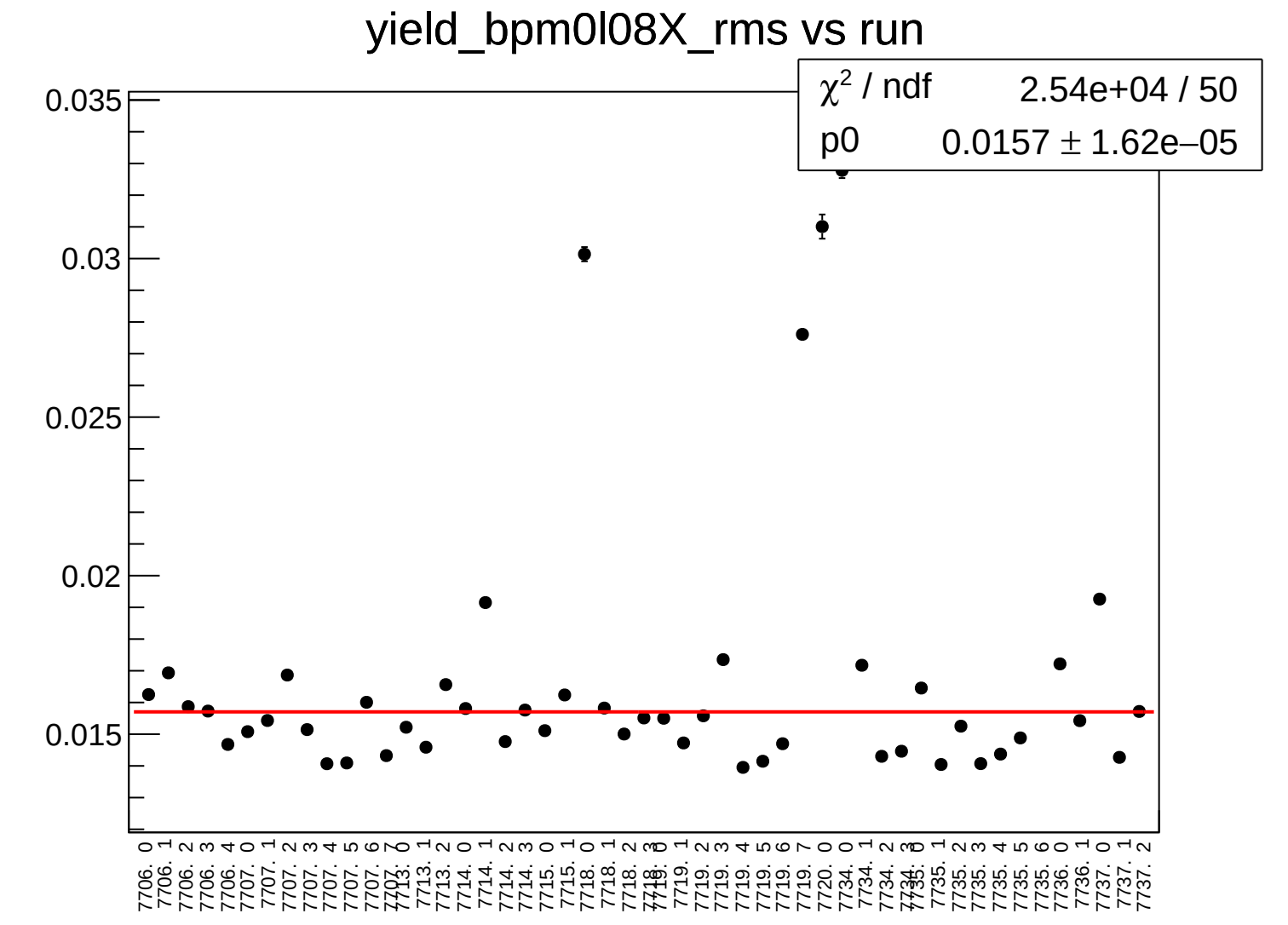

yield_bpm0l07Y_mean vs run
χ² / ndf 1.844e+06 / 50
p0 0.5644 ± 4.238e−06
0.59
0.585
0.58
0.575
0.57
0.565
0.56
0.555
0.55
pull
Entries 51
Mean 283.2
Std Dev 259.3
400
300
200
100
0
−100
−200
−300
−400

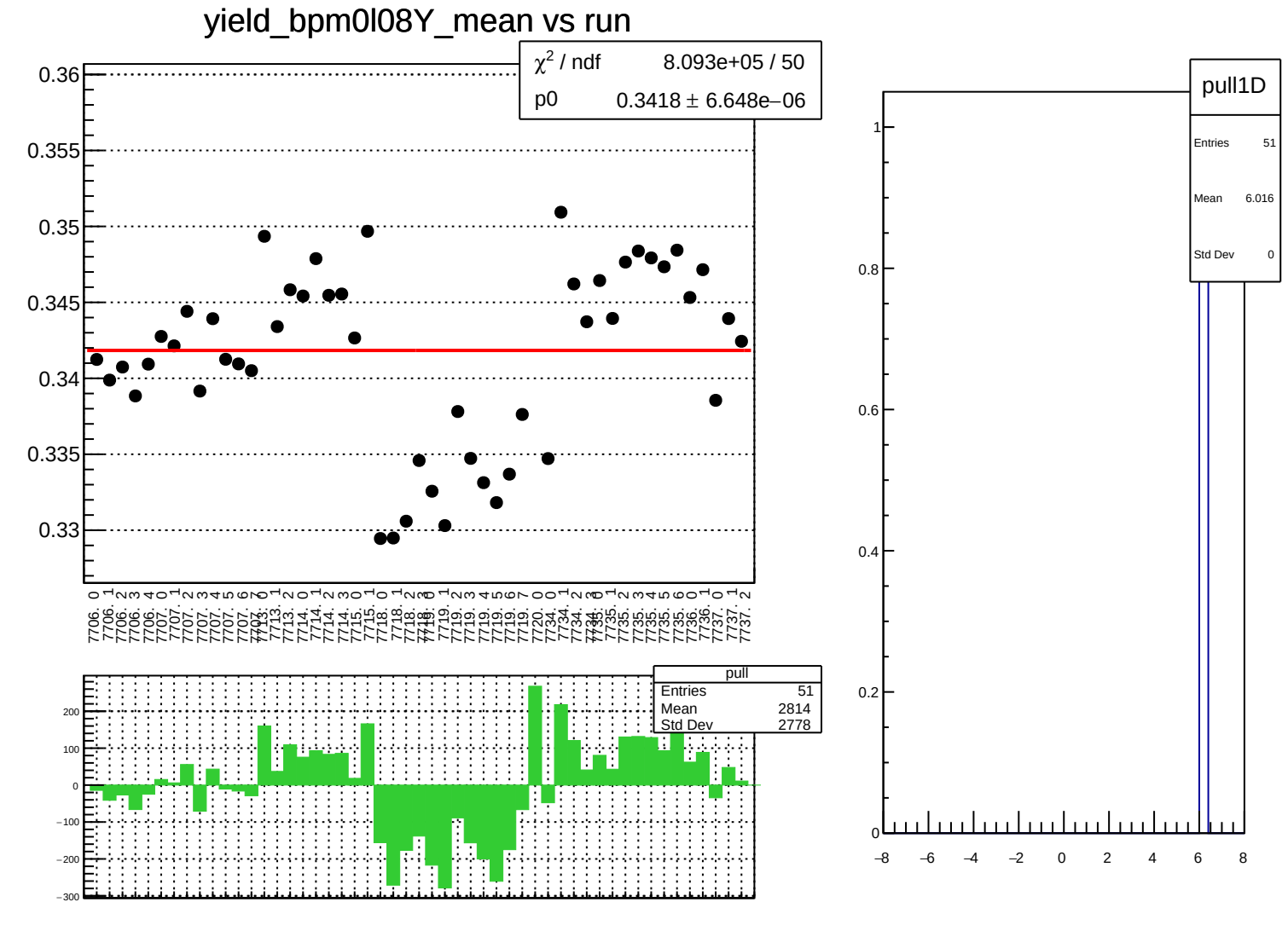

pull1D
Entries 51
Mean 4.916
Std Dev 0.8619
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

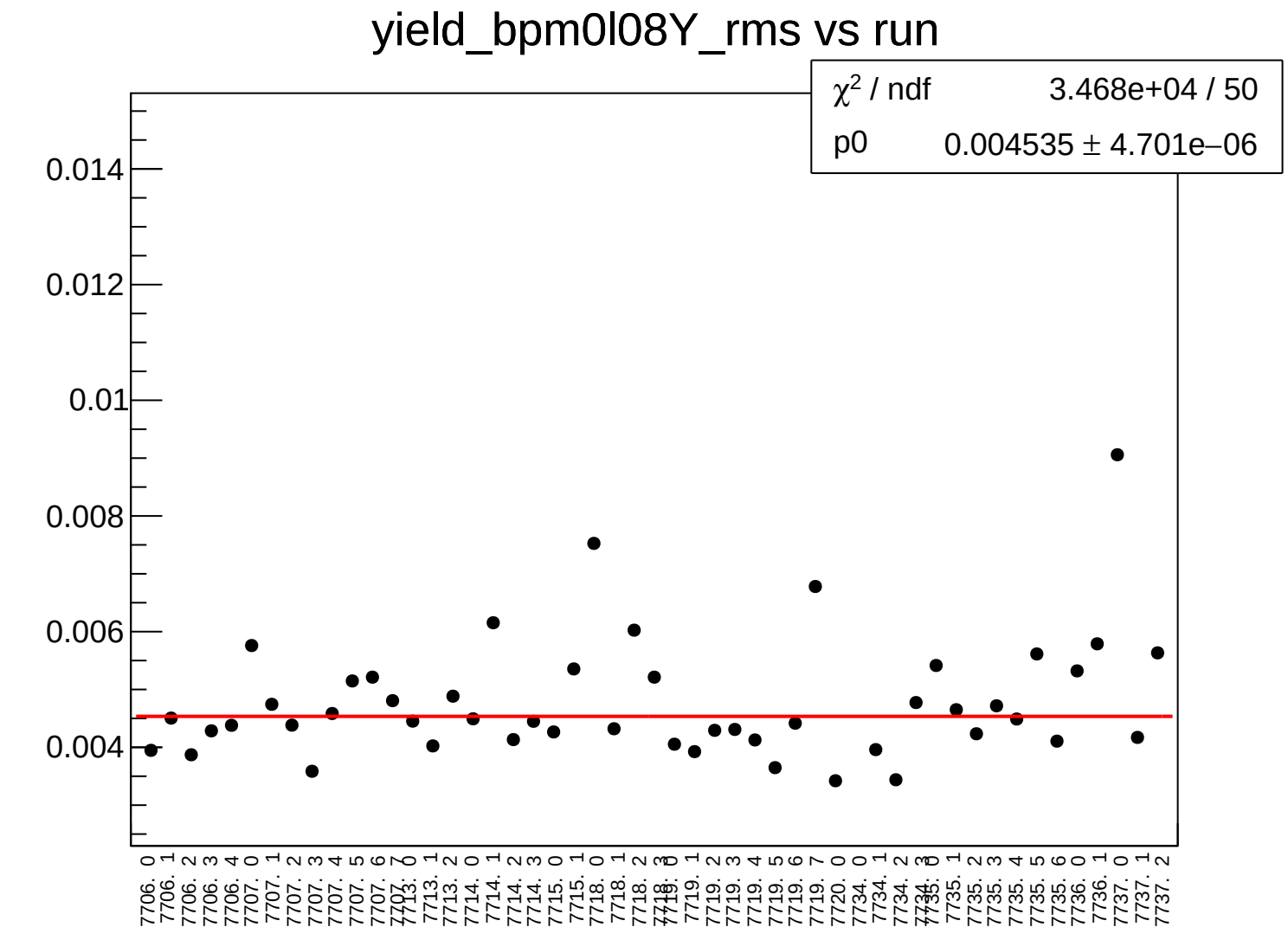

yield_bpm0l07Y_rms vs run
χ² / ndf 3.564e+04 / 50
p0 0.00289 ± 2.997e–06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

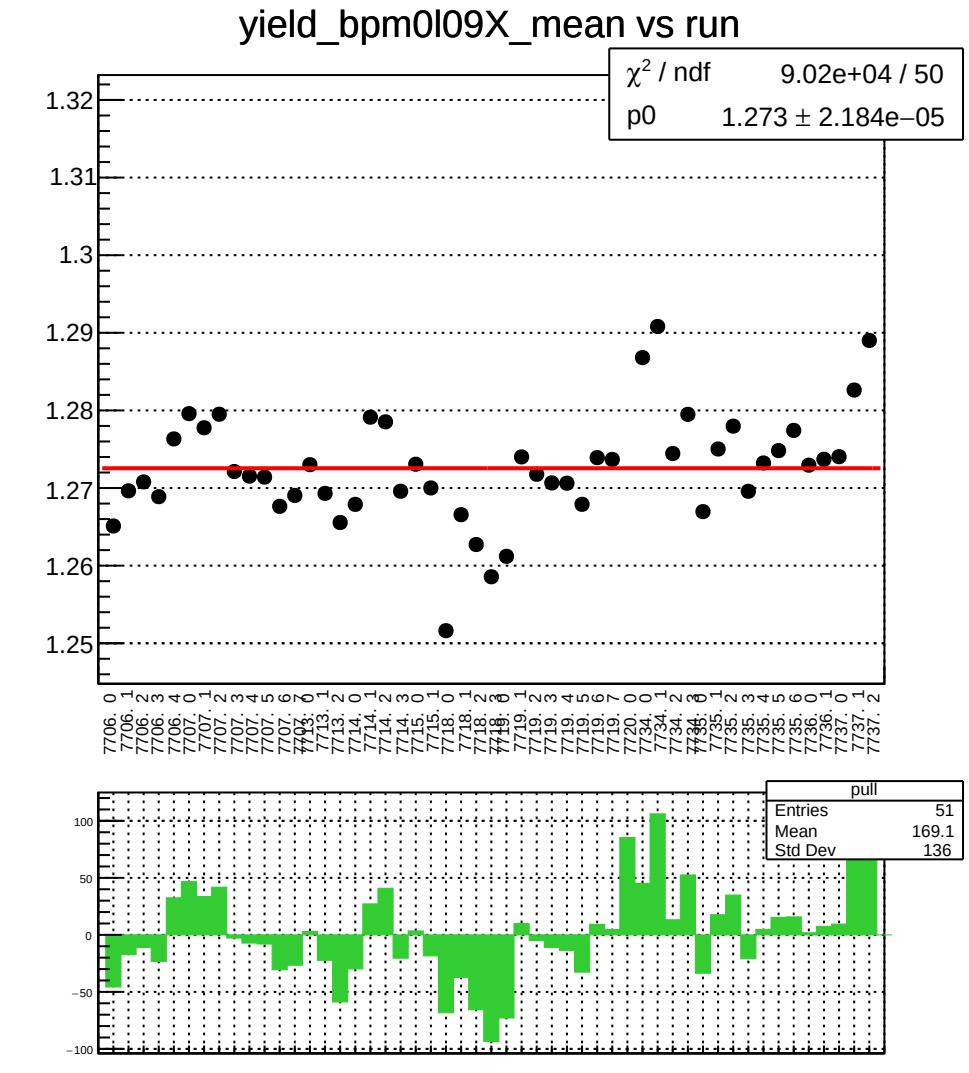

yield_bpm0l08X_mean vs run
χ² / ndf 8.745e+04 / 50
p0 0.1375 ± 2.291e−05
pull
Entries 51
Mean 241.3
Std Dev 209.3

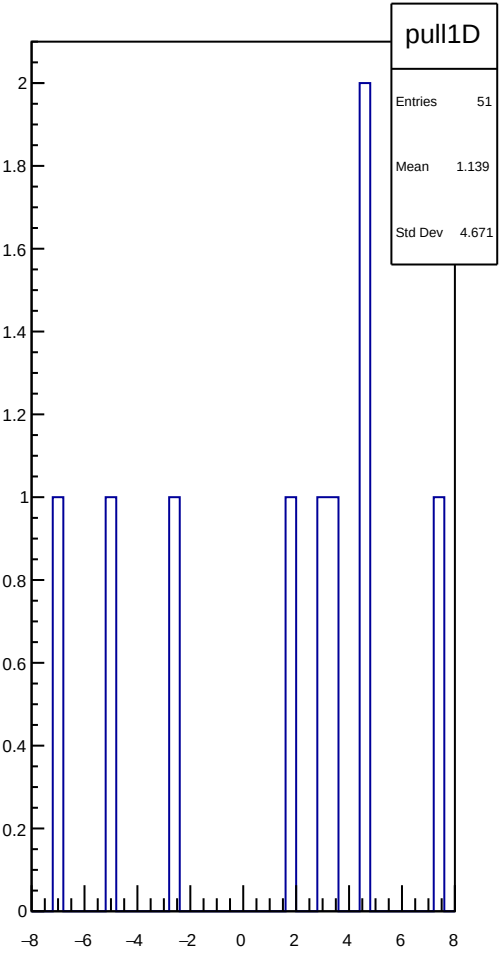

pull1D
Entries 51
Mean −0.225
Std Dev 4.59

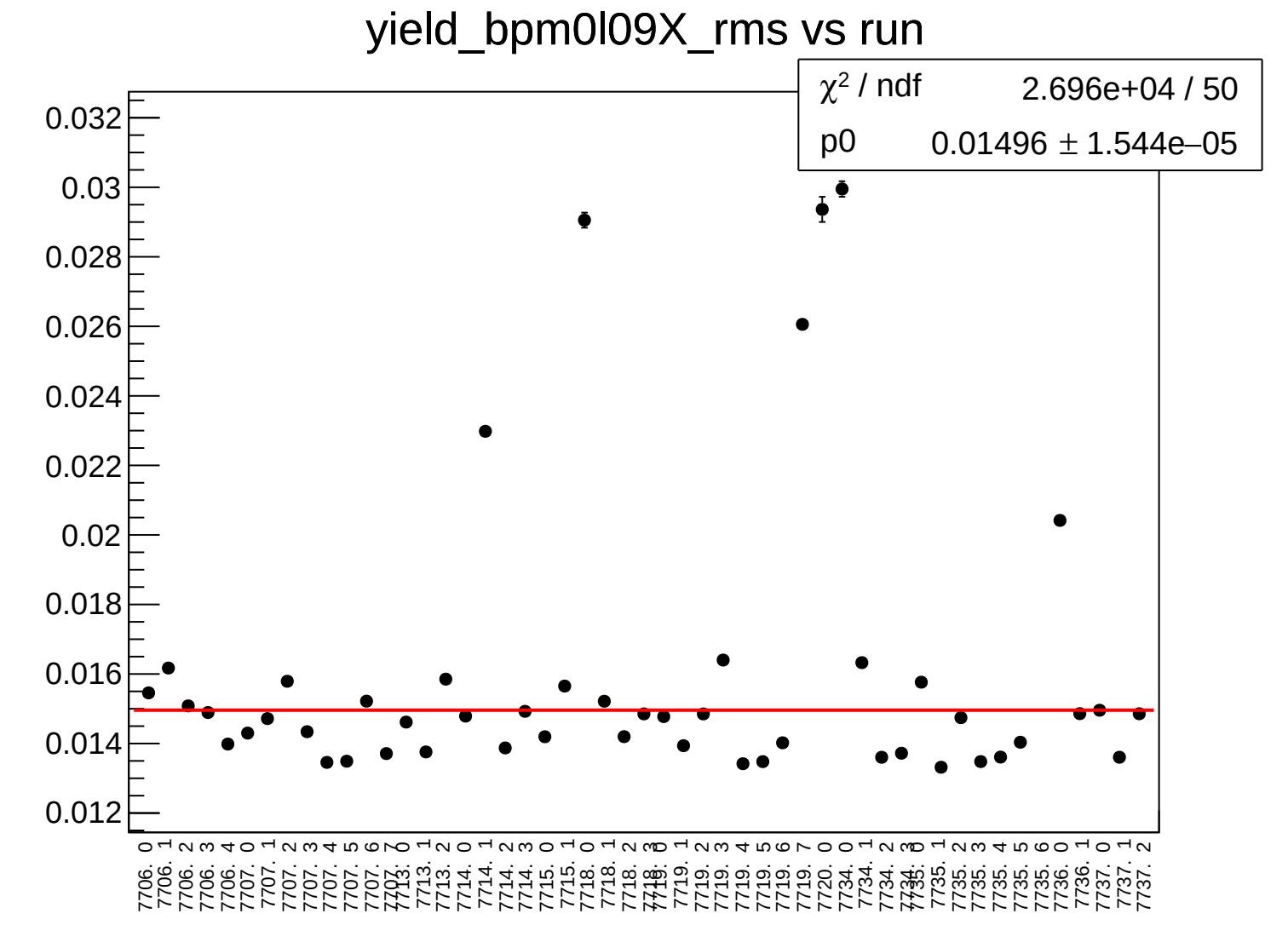

yield_bpm0l08X_rms vs run
χ² / ndf 2.54e+04 / 50
p0 0.0157 ± 1.62e−05
0.035
0.03
0.025
0.02
0.015
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

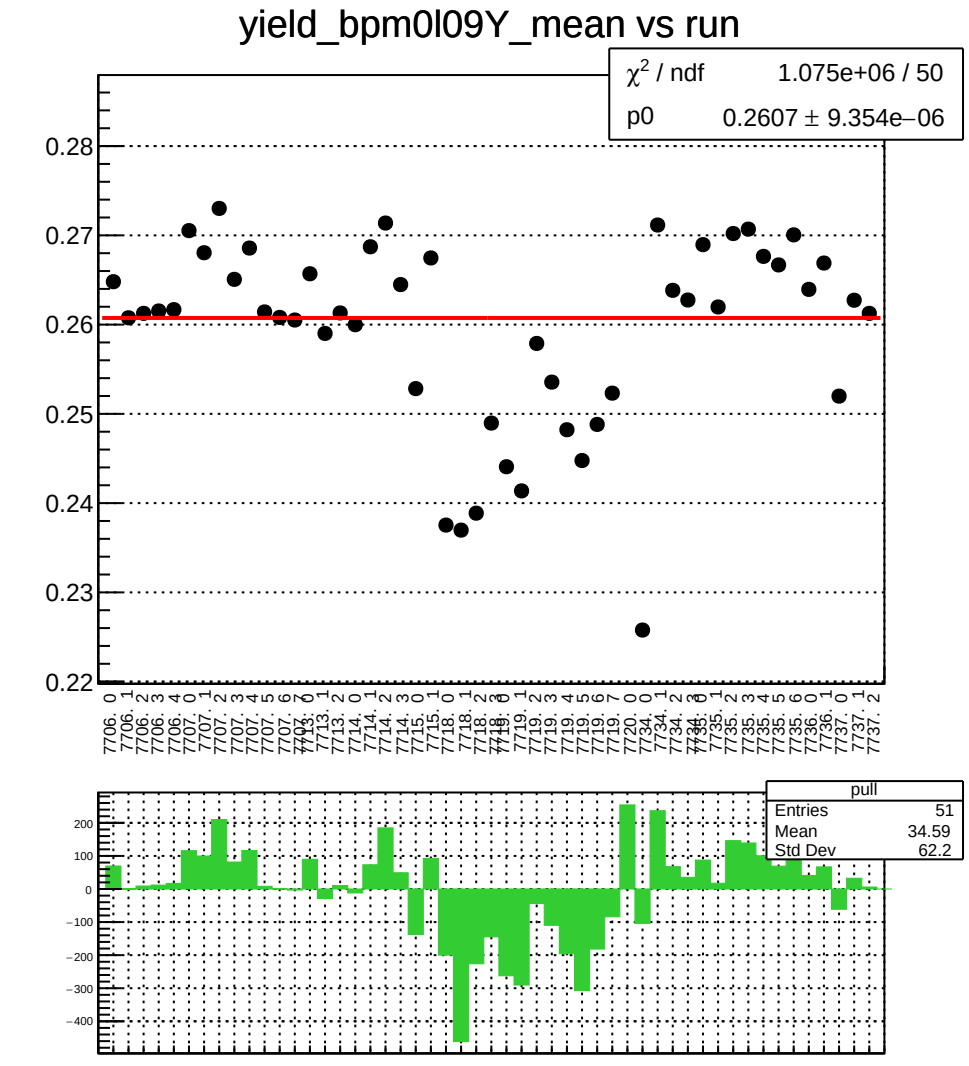

yield_bpm0l08Y_mean vs run
χ² / ndf 8.093e+05 / 50
p0 0.3418 ± 6.648e−06
0.36
0.355
0.35
0.345
0.34
0.335
0.33
pull
Entries 51
Mean 2814
Std Dev 2778
200
100
0
−100
−200
−300
pull1D
Entries 51
Mean 6.016
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

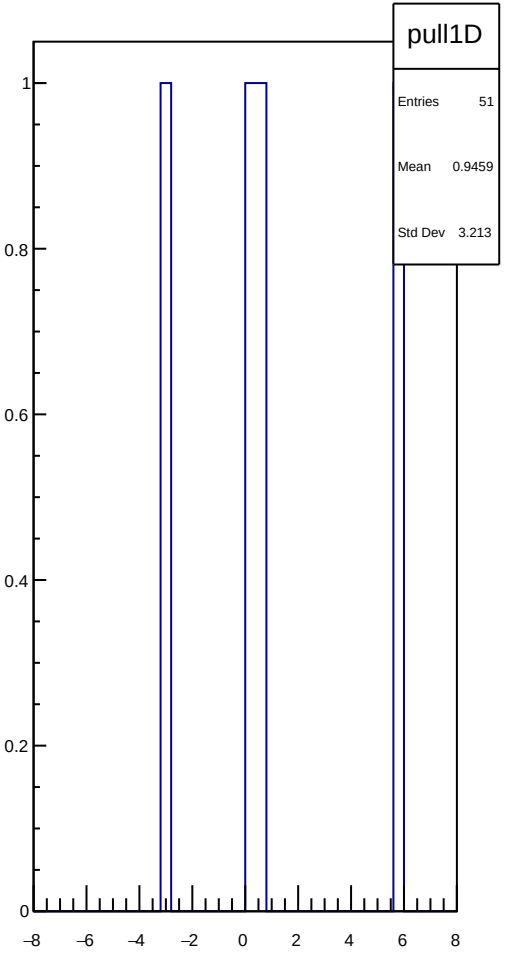

yield_bpm0l08Y_rms vs run
χ² / ndf 3.468e+04 / 50
p0 0.004535 ± 4.701e−06
0.014
0.012
0.01
0.008
0.006
0.004
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

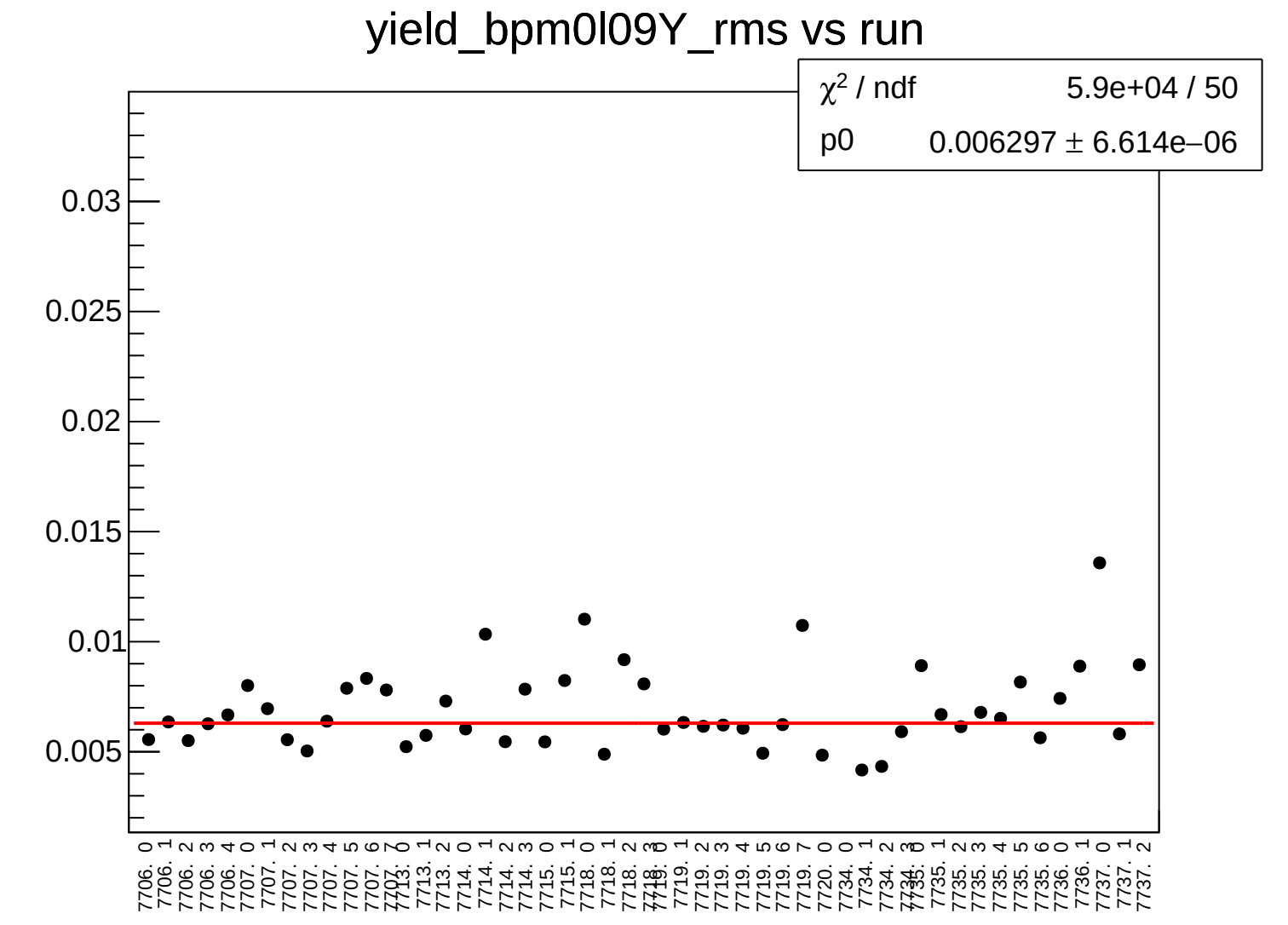

yield_bpm0l09X_mean vs run
χ² / ndf 9.02e+04 / 50
p0 1.273 ± 2.184e−05
pull
Entries 51
Mean 169.1
Std Dev 136

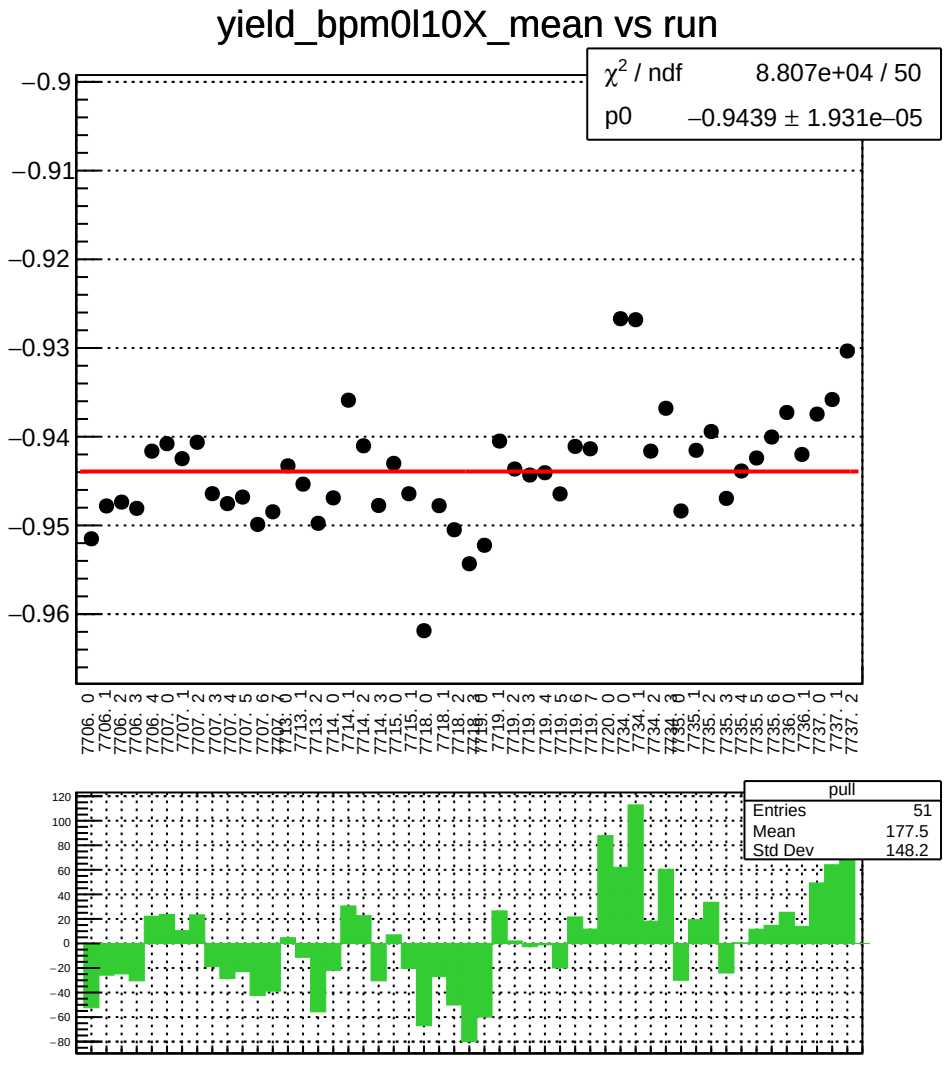

pull1D
Entries 51
Mean 1.139
Std Dev 4.671

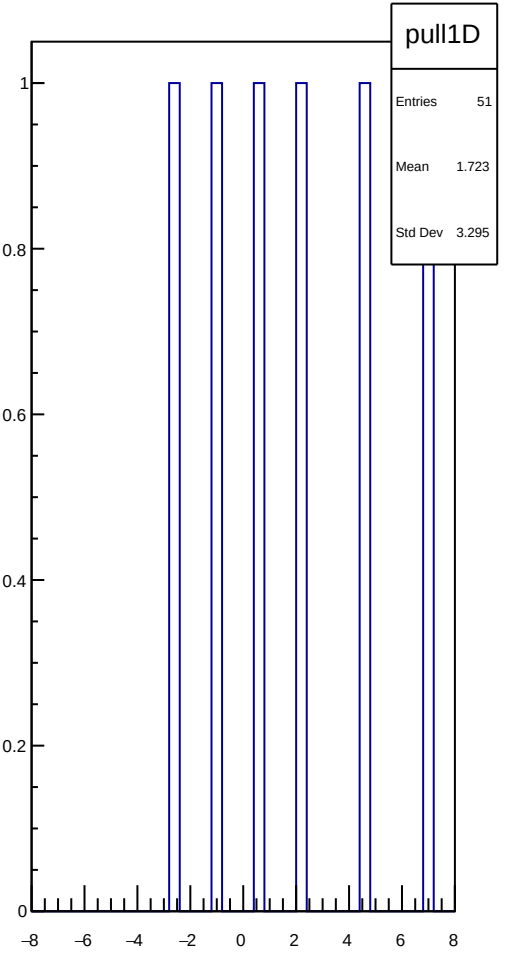

yield_bpm0l09X_rms vs run
χ² / ndf 2.696e+04 / 50
p0 0.01496 ± 1.544e–05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

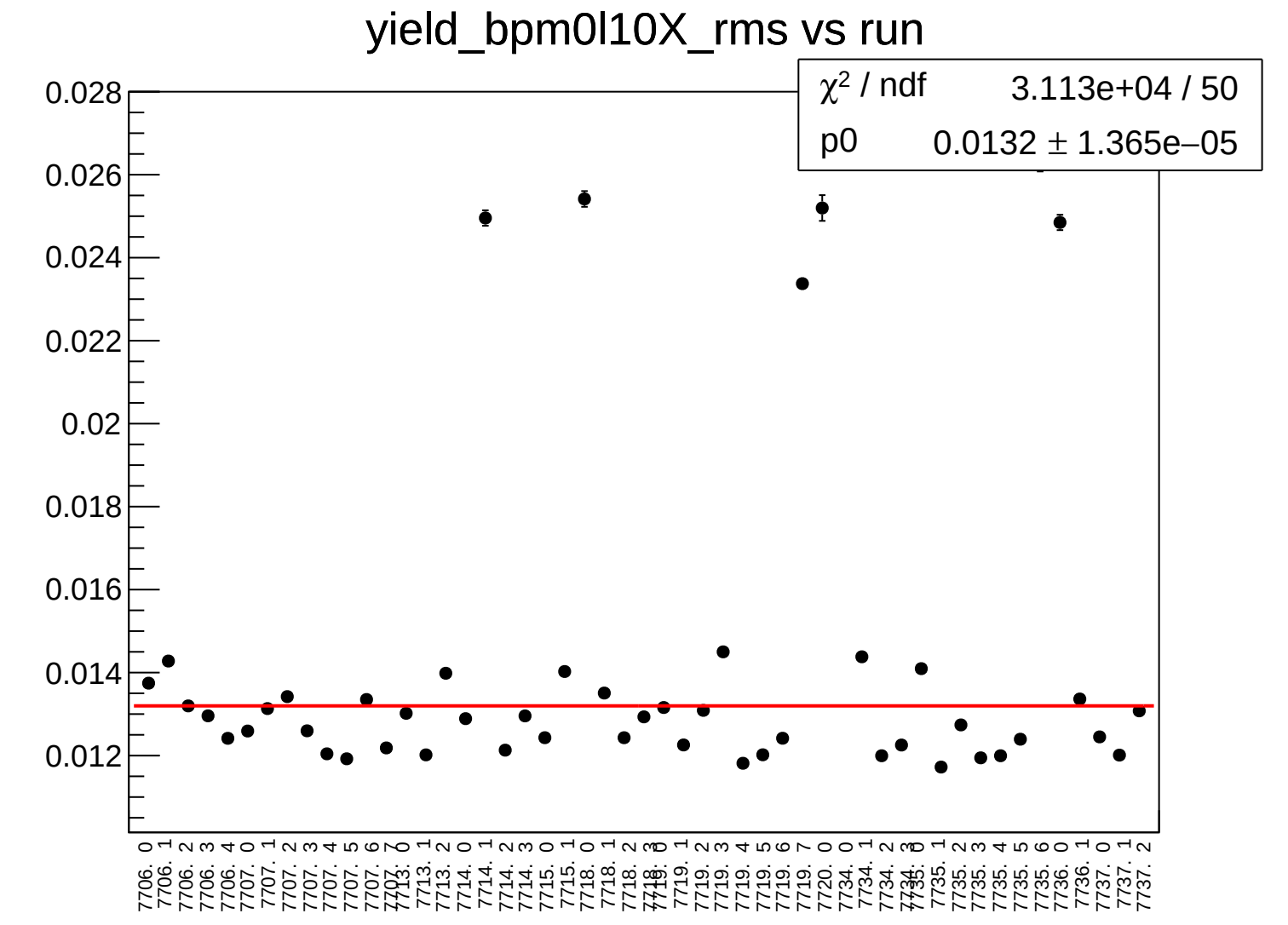

yield_bpm0l09Y_mean vs run
χ² / ndf 1.075e+06 / 50
p0 0.2607 ± 9.354e−06
0.28
0.27
0.26
0.25
0.24
0.23
0.22
pull
Entries 51
Mean 34.59
Std Dev 62.2
200
100
0
−100
−200
−300
−400

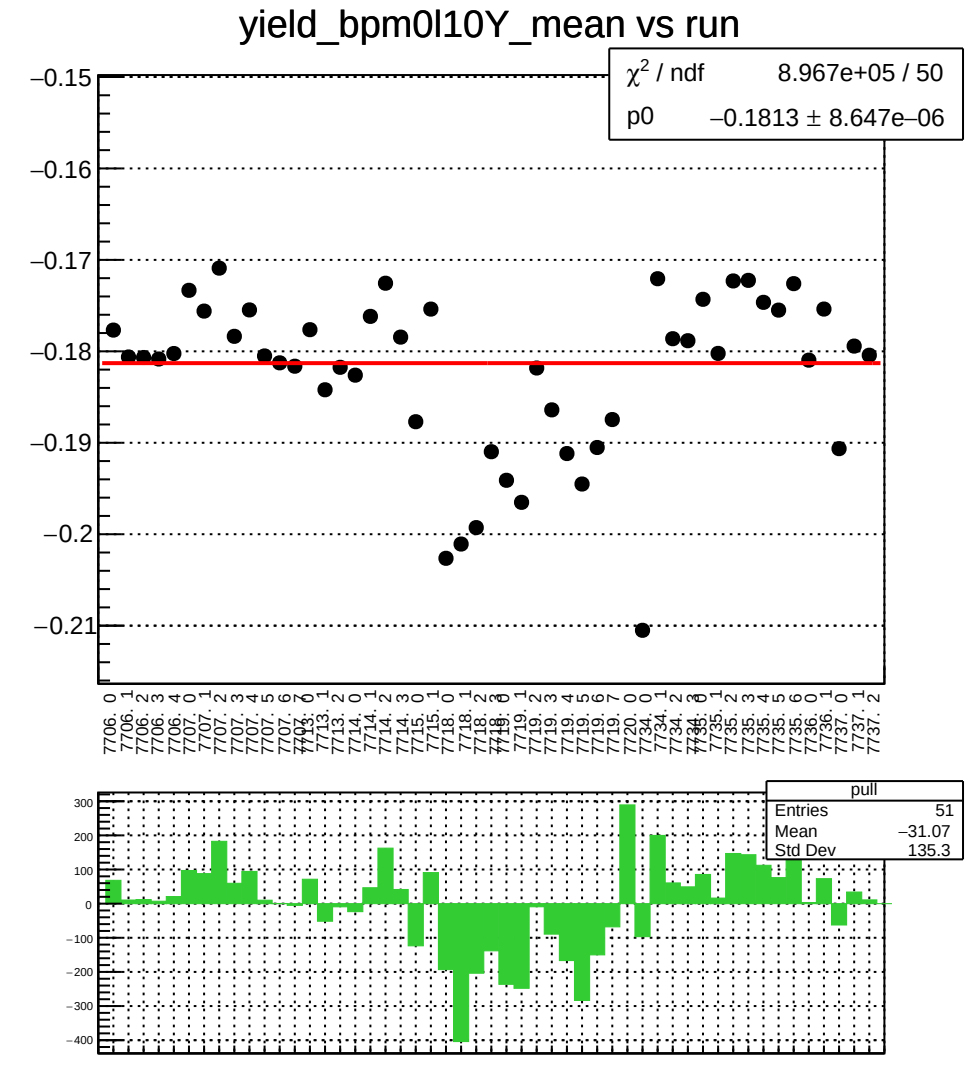

pull1D
Entries 51
Mean 0.9459
Std Dev 3.213
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

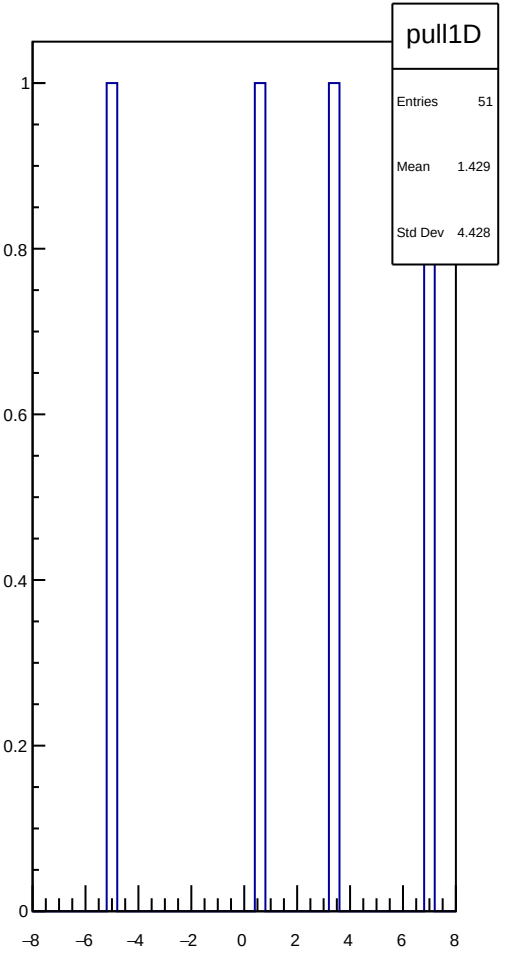

yield_bpm0l09Y_rms vs run
χ² / ndf 5.9e+04 / 50
p0 0.006297 ± 6.614e−06
0.03
0.025
0.02
0.015
0.01
0.005
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

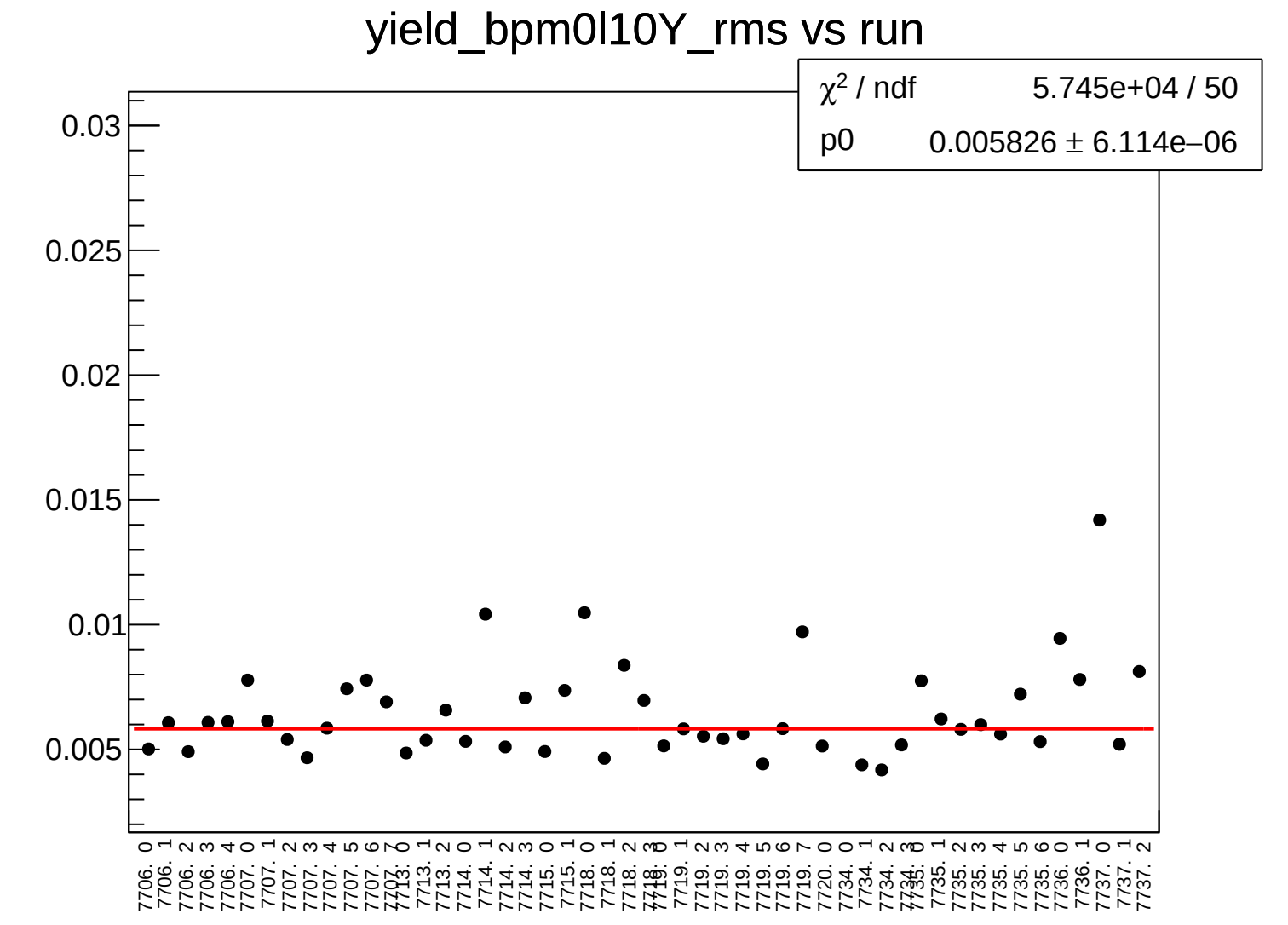

yield_bpm0l10X_mean vs run
χ² / ndf 8.807e+04 / 50
p0 −0.9439 ± 1.931e−05
−0.9
−0.91
−0.92
−0.93
−0.94
−0.95
−0.96
pull
Entries 51
Mean 177.5
Std Dev 148.2
120
100
80
60
40
20
0
−20
−40
−60
−80

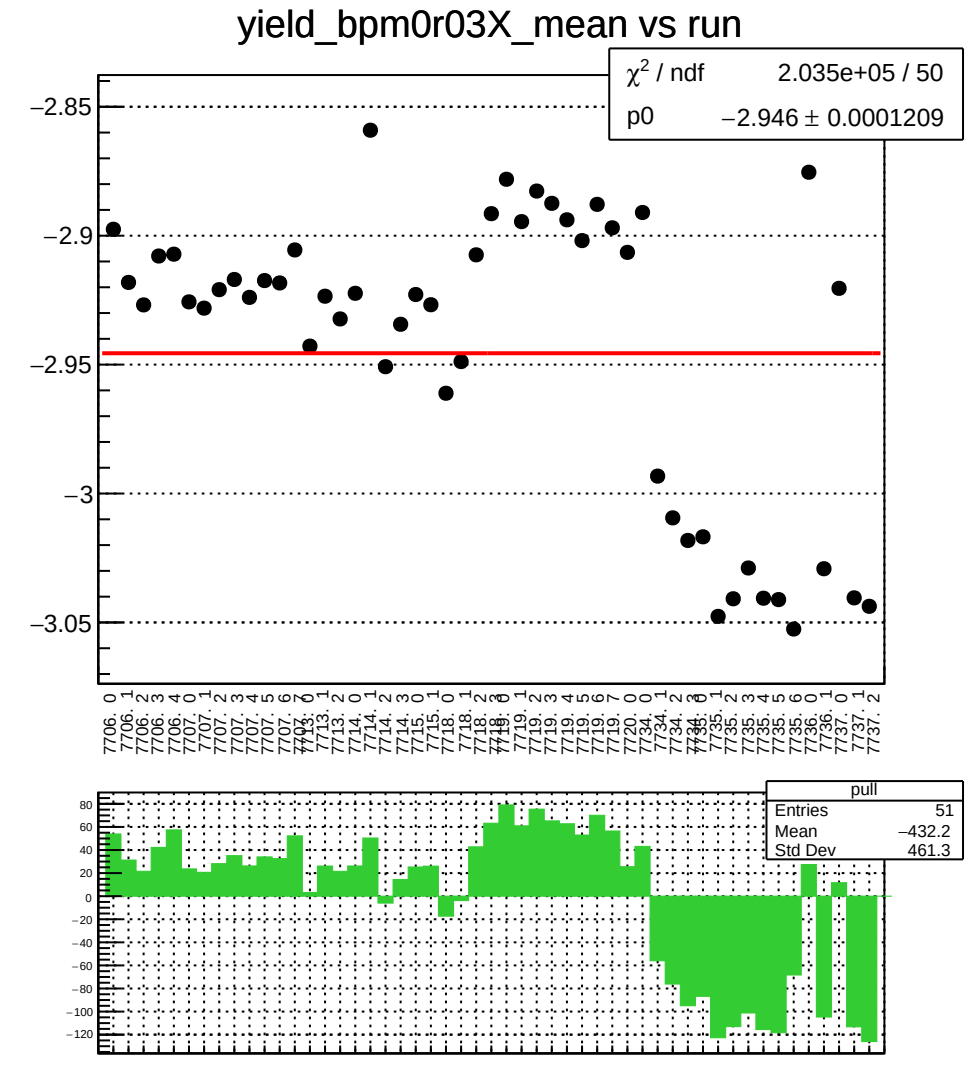

pull1D
Entries 51
Mean 1.723
Std Dev 3.295
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

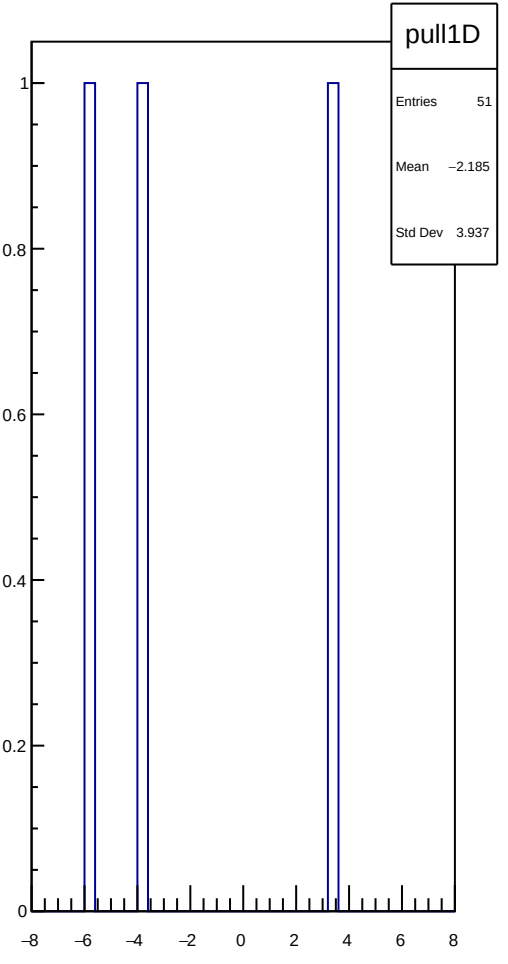

yield_bpm0l10X_rms vs run
χ² / ndf 3.113e+04 / 50
p0 0.0132 ± 1.365e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

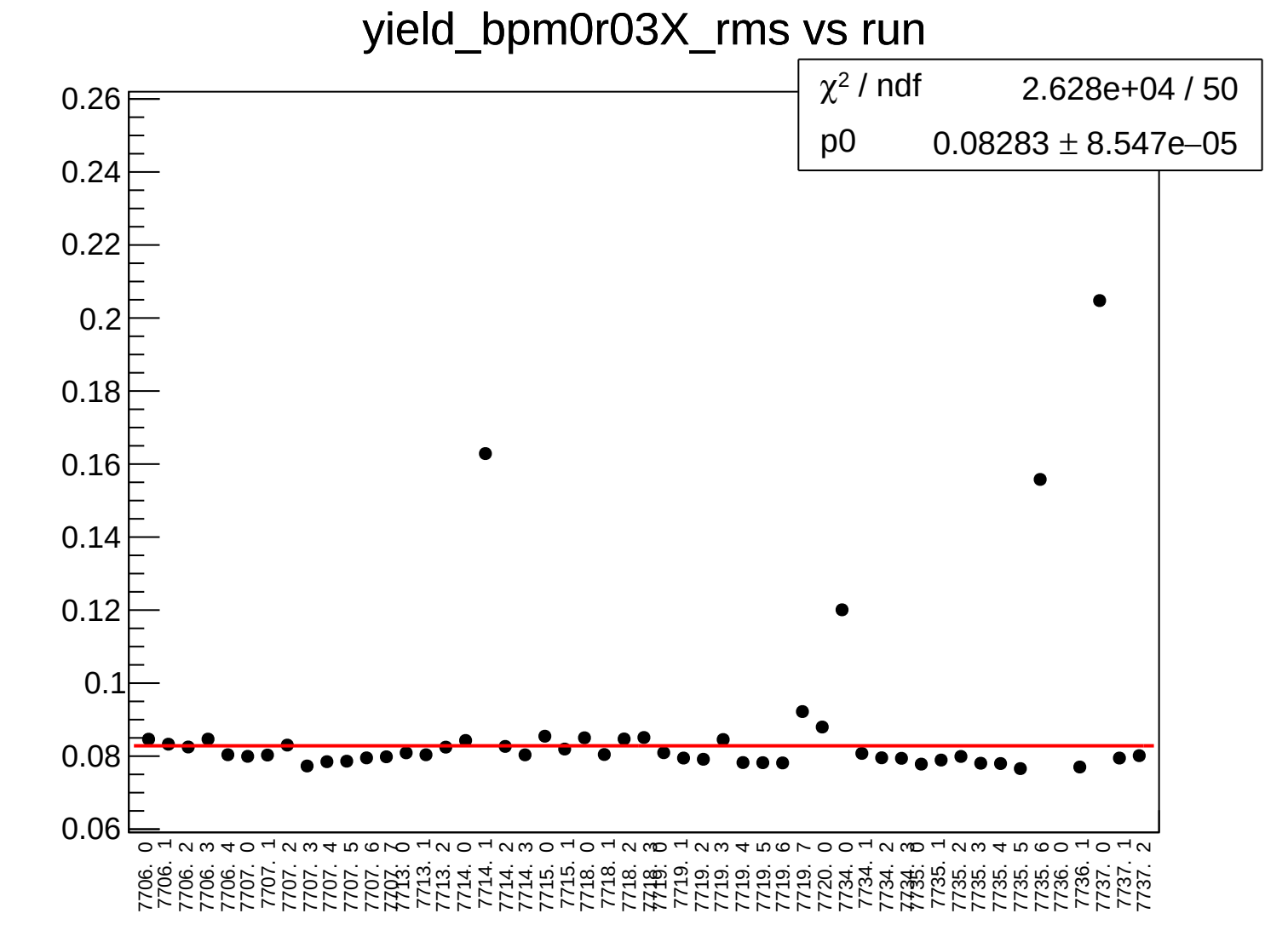

yield_bpm0l10Y_mean vs run
χ² / ndf 8.967e+05 / 50
p0 −0.1813 ± 8.647e−06
−0.15
−0.16
−0.17
−0.18
−0.19
−0.2
−0.21
pull
Entries 51
Mean −31.07
Std Dev 135.3
300
200
100
0
−100
−200
−300
−400

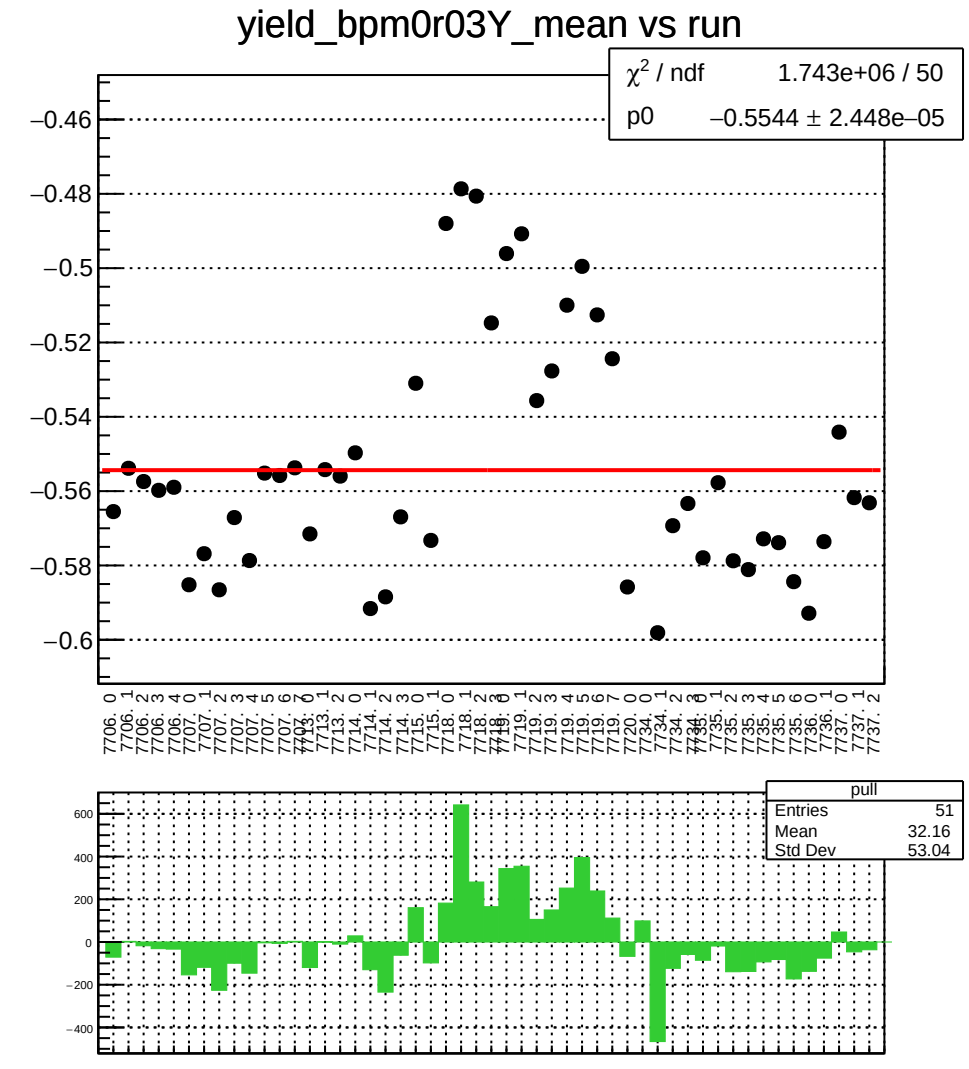

pull1D
Entries 51
Mean 1.429
Std Dev 4.428
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

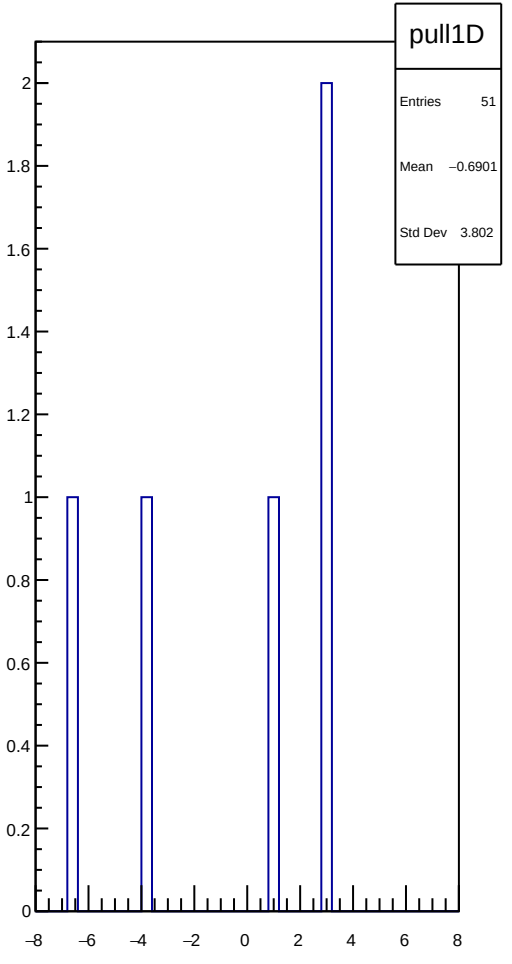

yield_bpm0l10Y_rms vs run
χ² / ndf 5.745e+04 / 50
p0 0.005826 ± 6.114e−06
0.03
0.025
0.02
0.015
0.01
0.005
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

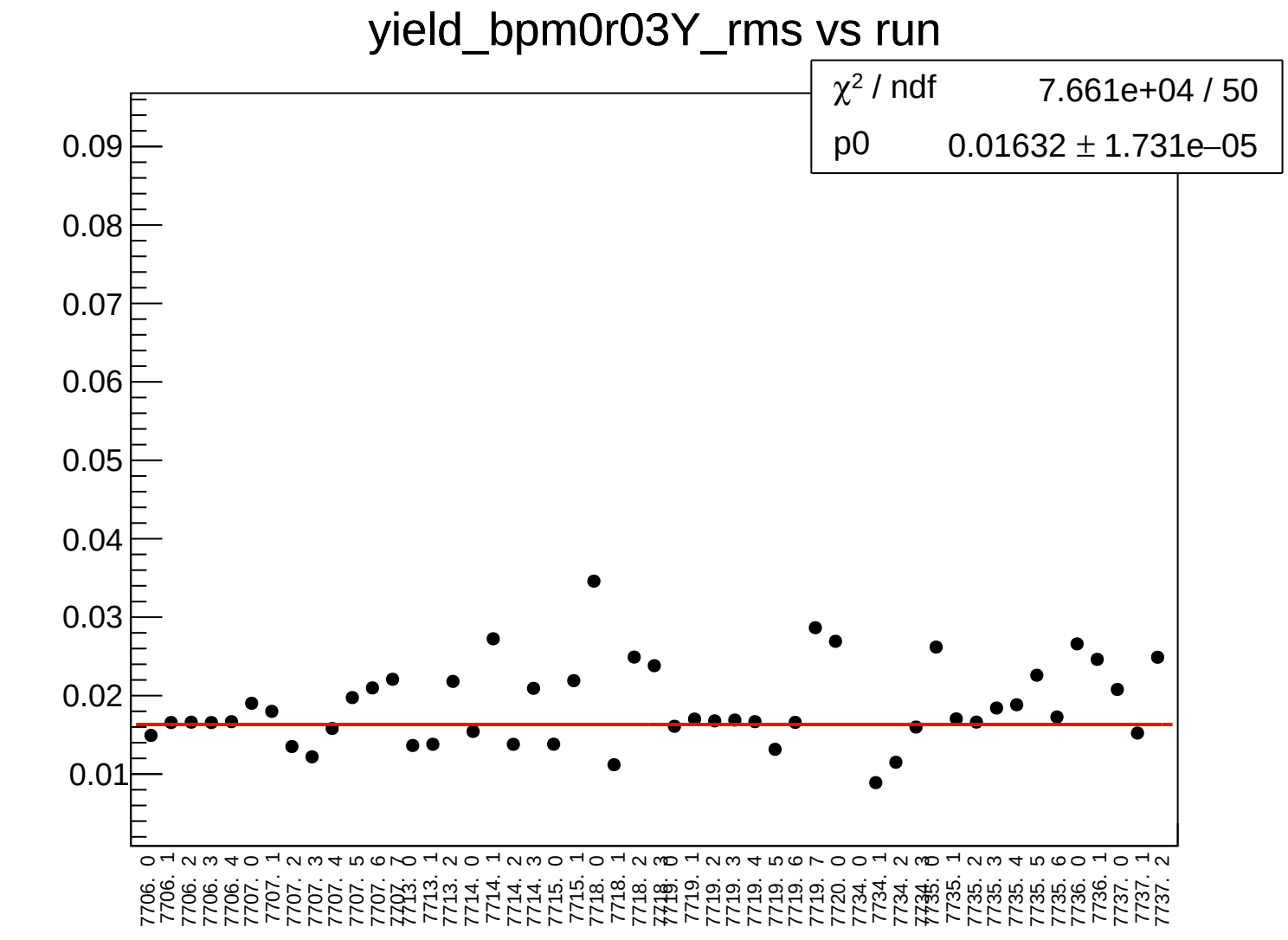

yield_bpm0r03X_mean vs run
χ² / ndf 2.035e+05 / 50
p0 −2.946 ± 0.0001209
−2.85
−2.9
−2.95
−3
−3.05
pull
Entries 51
Mean −432.2
Std Dev 461.3
80
60
40
20
0
−20
−40
−60
−80
−100
−120

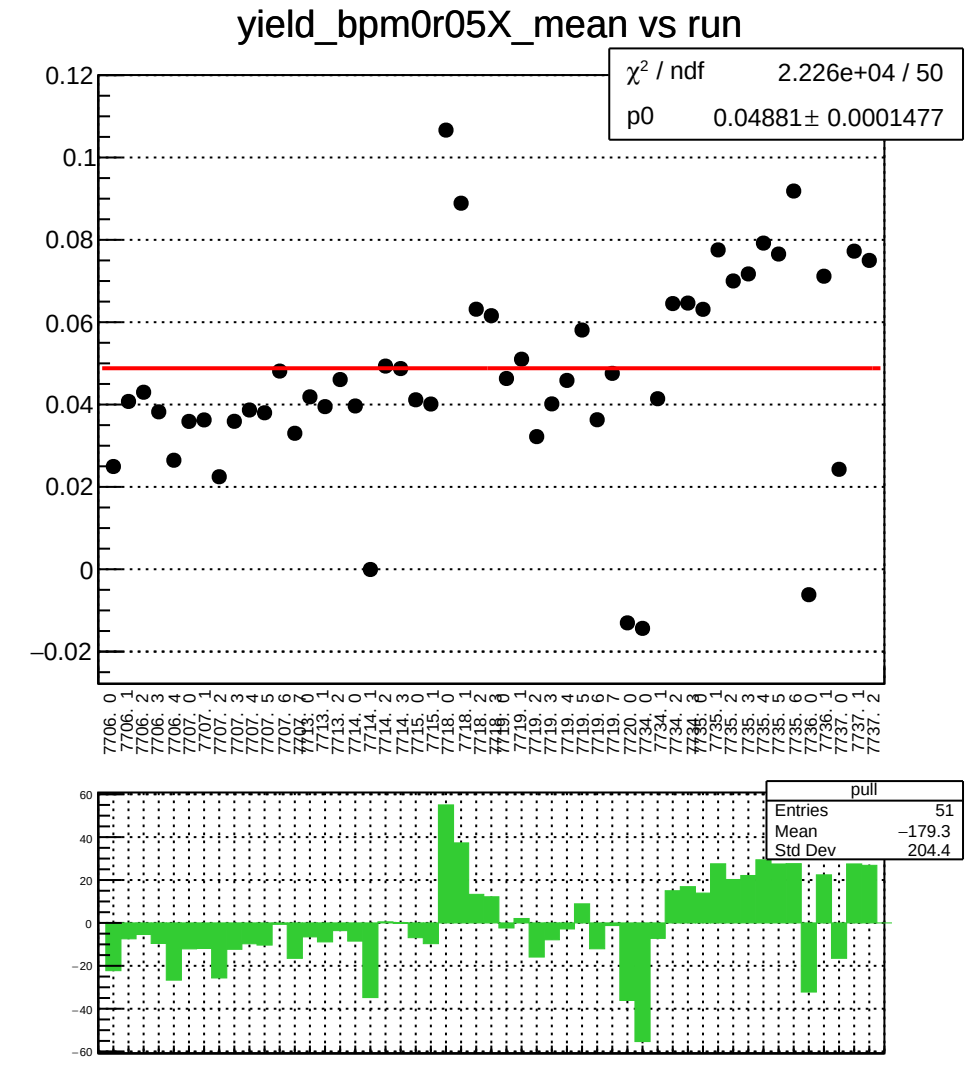

pull1D
Entries 51
Mean −2.185
Std Dev 3.937
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

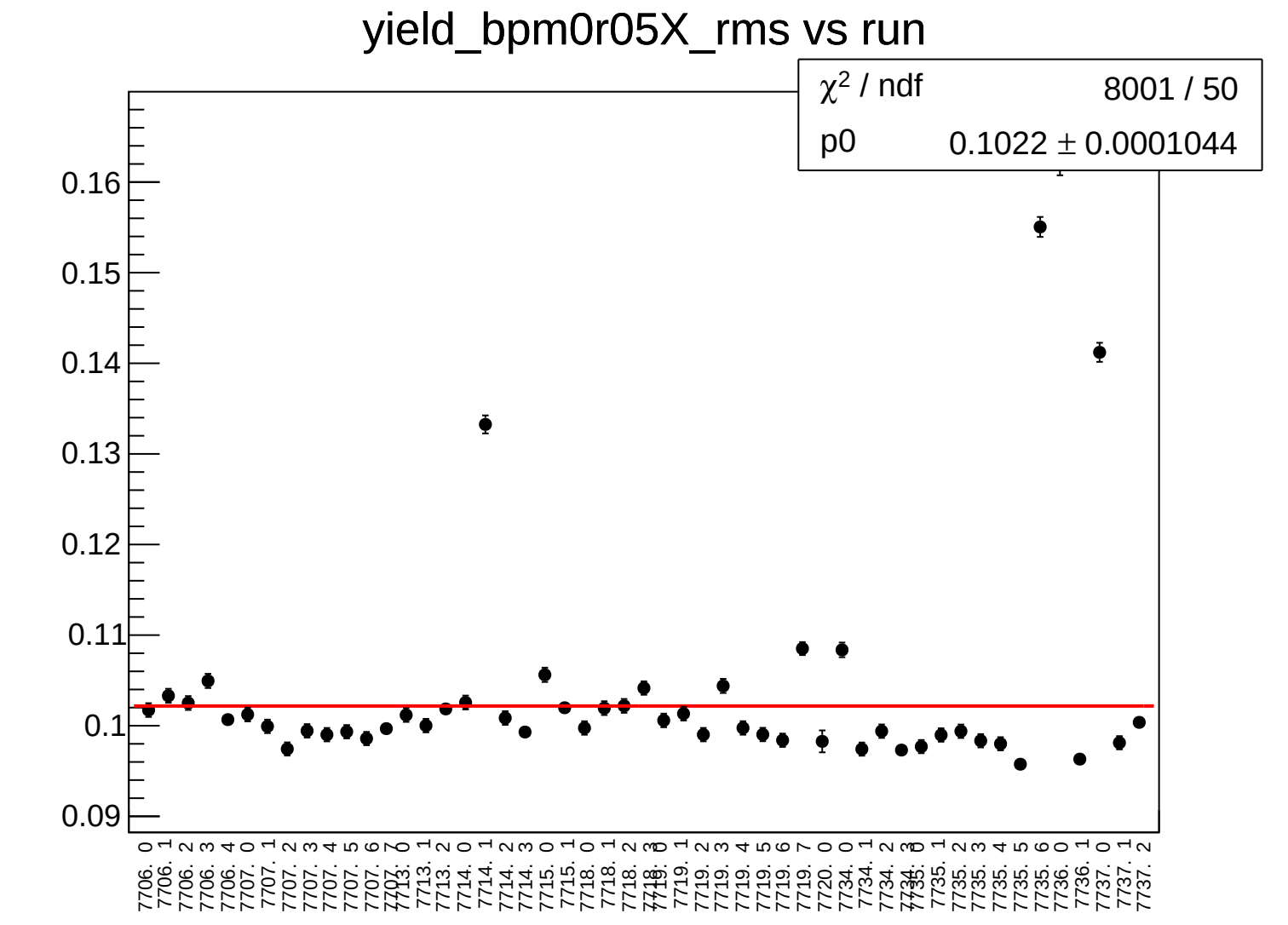

yield_bpm0r03X_rms vs run
χ² / ndf 2.628e+04 / 50
p0 0.08283 ± 8.547e–05
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

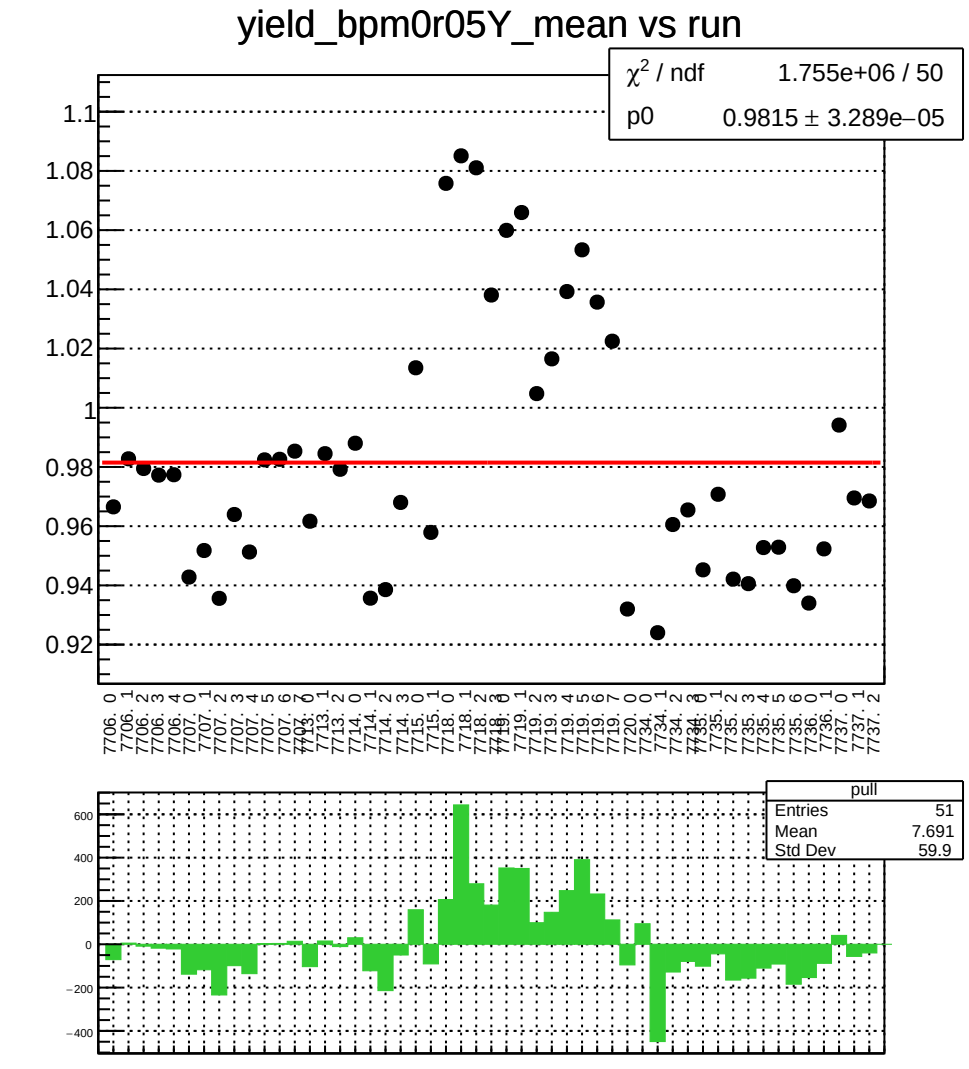

yield_bpm0r03Y_mean vs run
χ² / ndf 1.743e+06 / 50
p0 −0.5544 ± 2.448e−05
−0.46
−0.48
−0.5
−0.52
−0.54
−0.56
−0.58
−0.6
pull
Entries 51
Mean 32.16
Std Dev 53.04
600
400
200
0
−200
−400

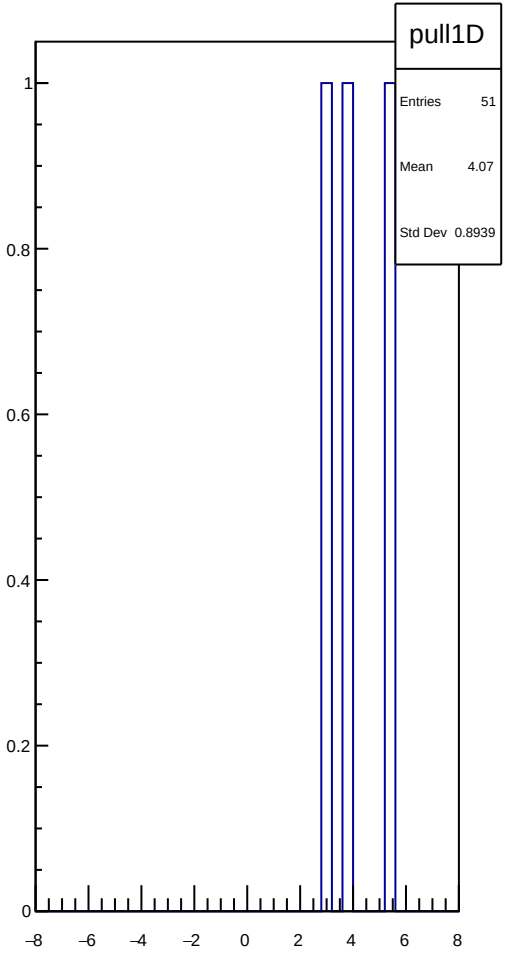

pull1D
Entries 51
Mean −0.6901
Std Dev 3.802
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

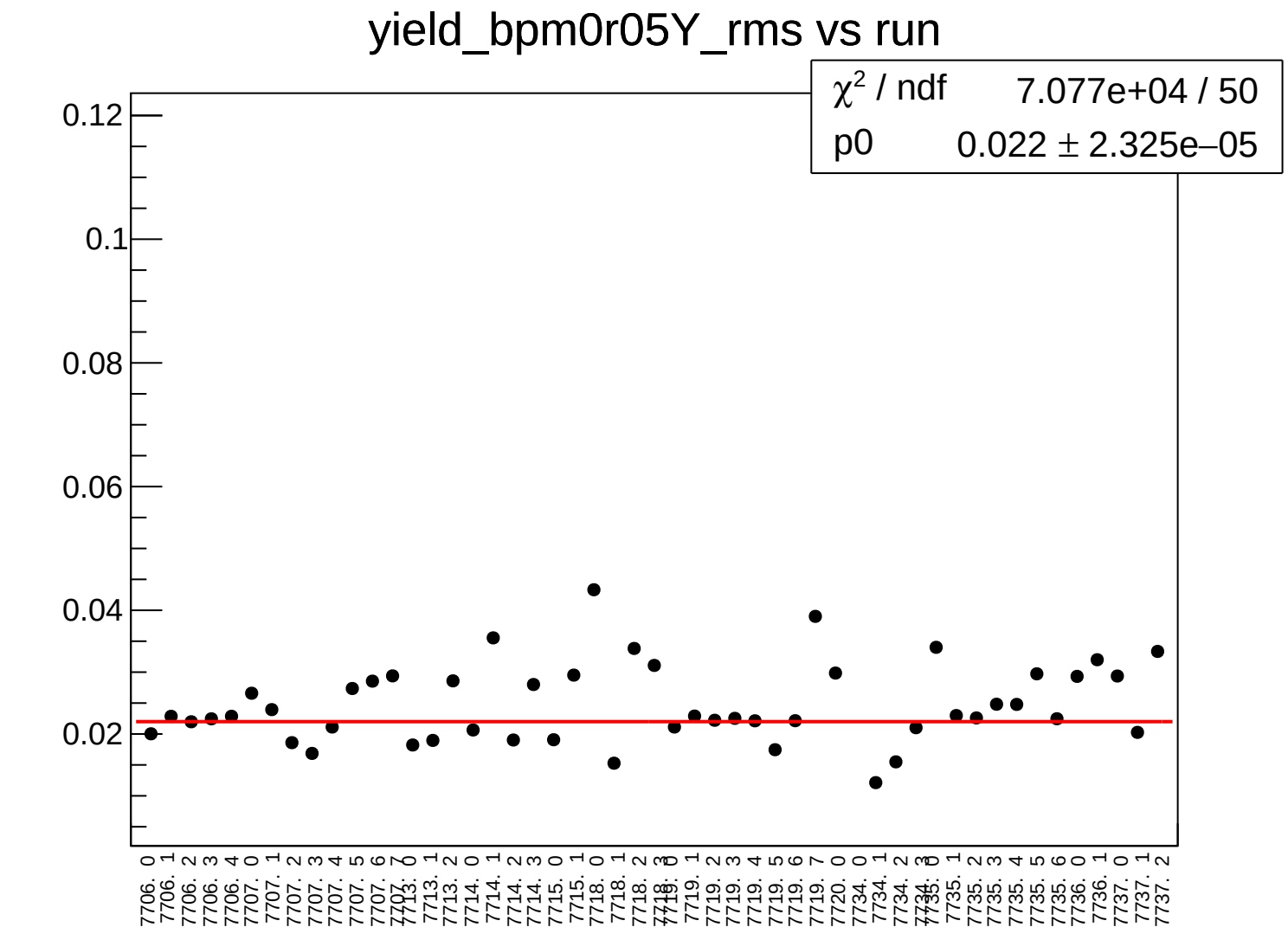

yield_bpm0r03Y_rms vs run
χ² / ndf 7.661e+04 / 50
p0 0.01632 ± 1.731e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

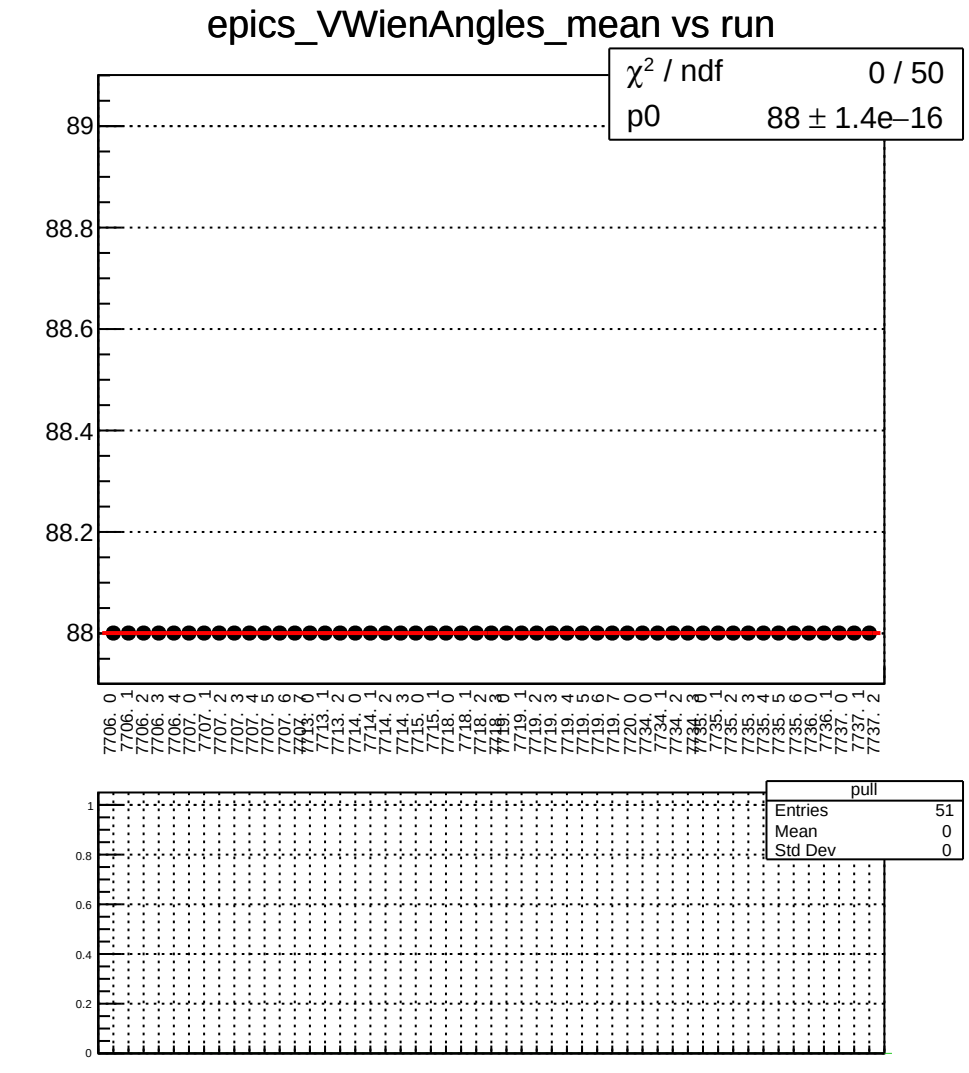

yield_bpm0r05X_mean vs run
χ² / ndf 2.226e+04 / 50
p0 0.04881± 0.0001477
pull
Entries 51
Mean −179.3
Std Dev 204.4
pull1D
Entries 51
Mean −3.528
Std Dev 3.226

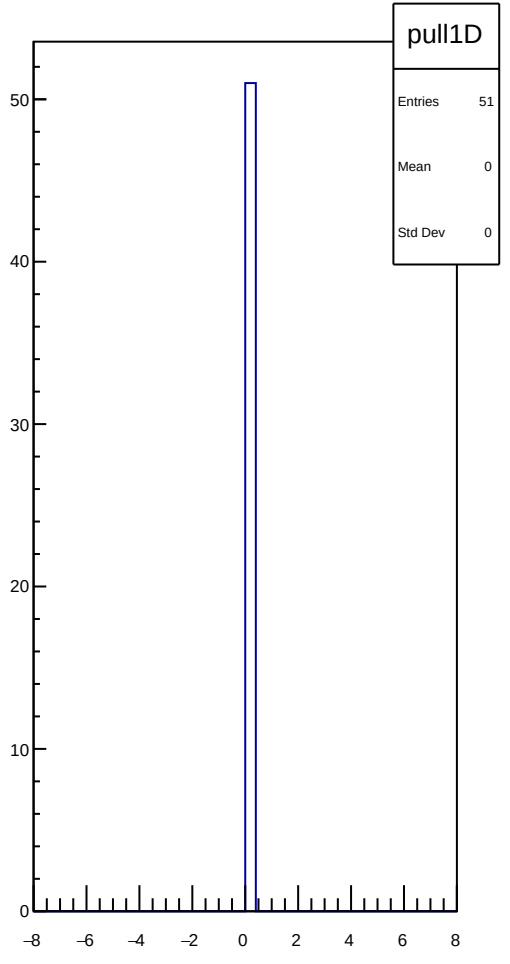

yield_bpm0r05X_rms vs run
χ² / ndf 8001 / 50
p0 0.1022 ± 0.0001044
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7707. 7
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 0
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

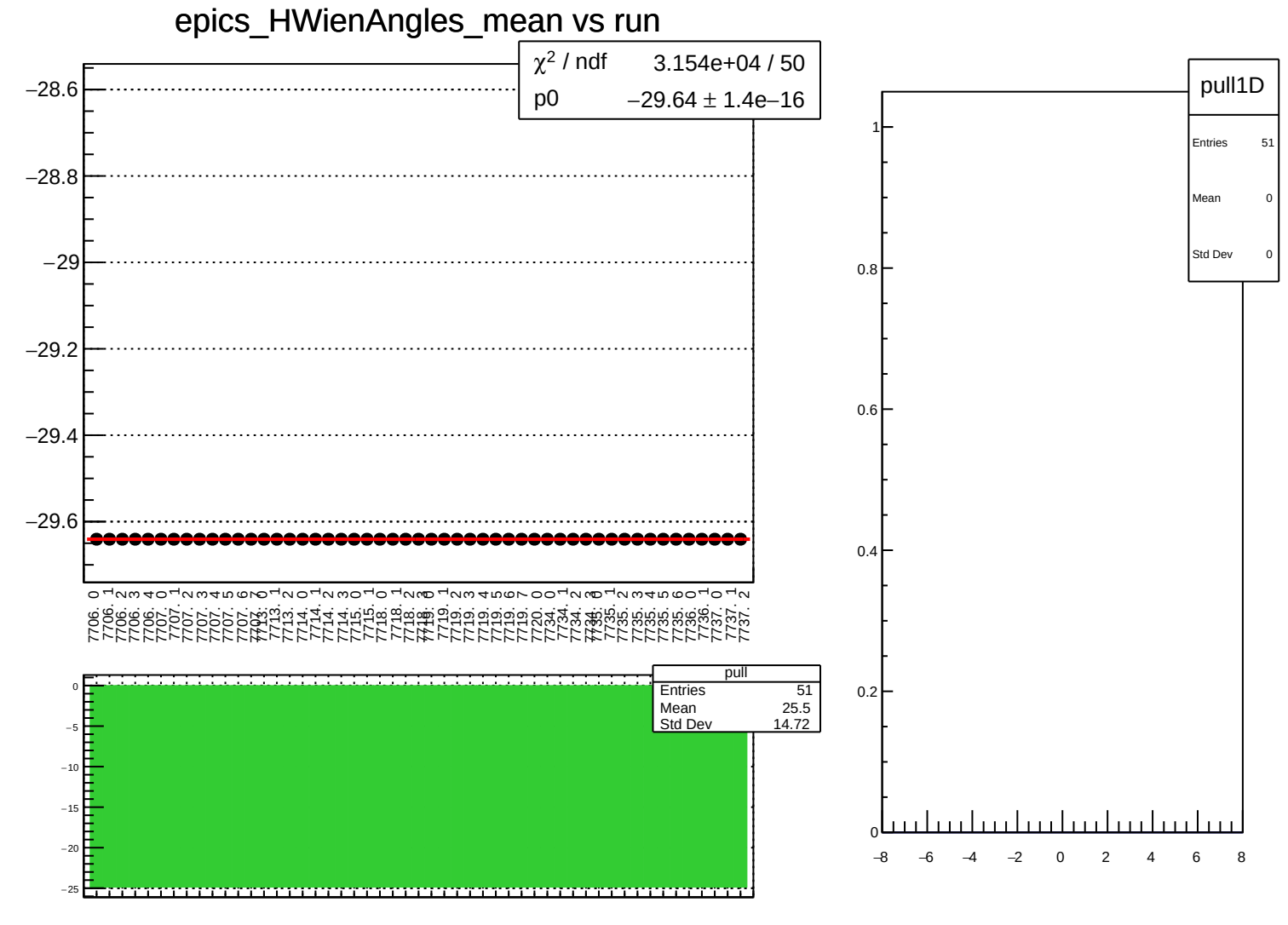

yield_bpm0r05Y_mean vs run
χ² / ndf 1.755e+06 / 50
p0 0.9815 ± 3.289e−05
pull
Entries 51
Mean 7.691
Std Dev 59.9

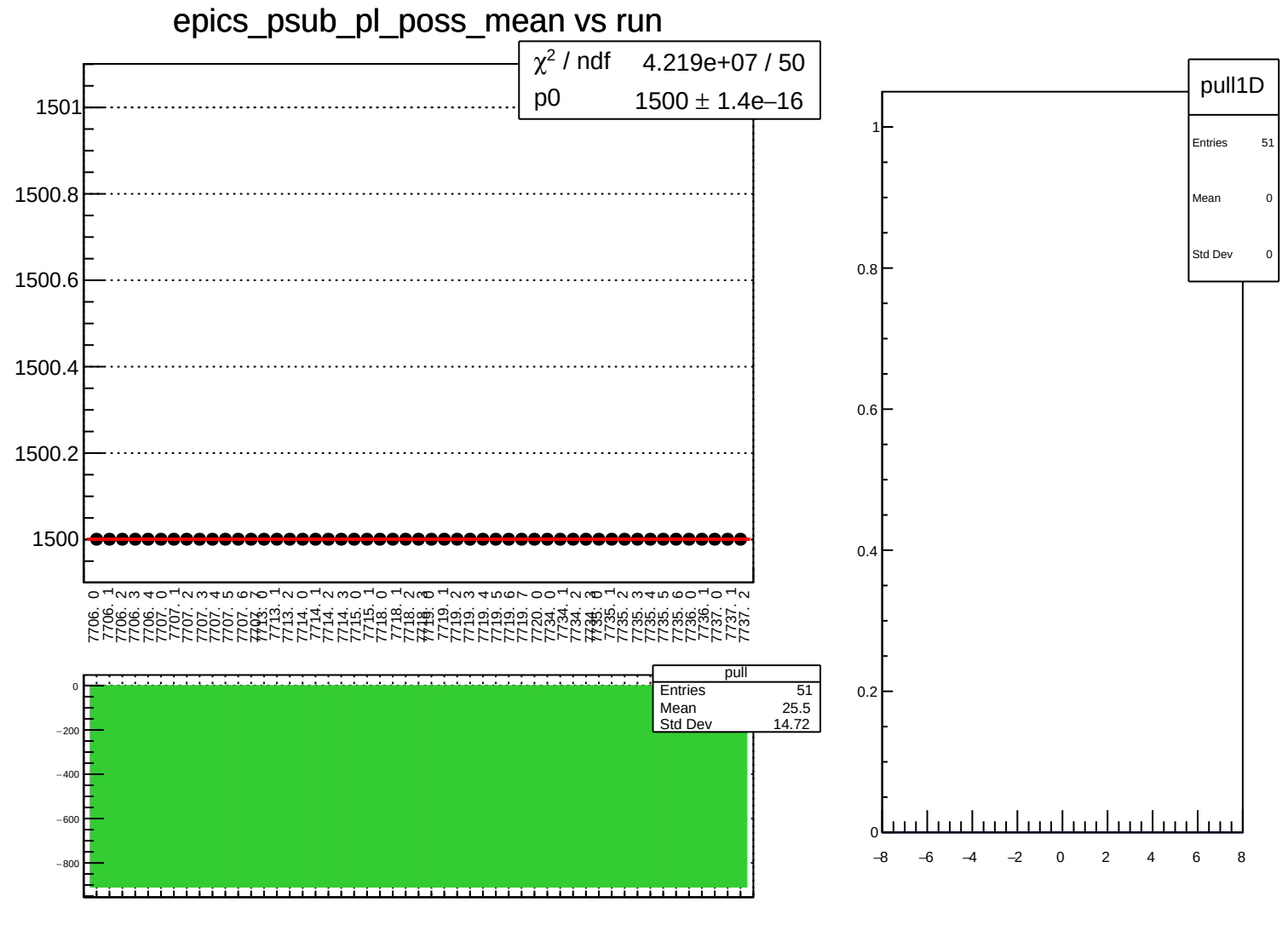

pull1D
Entries 51
Mean 4.07
Std Dev 0.8939

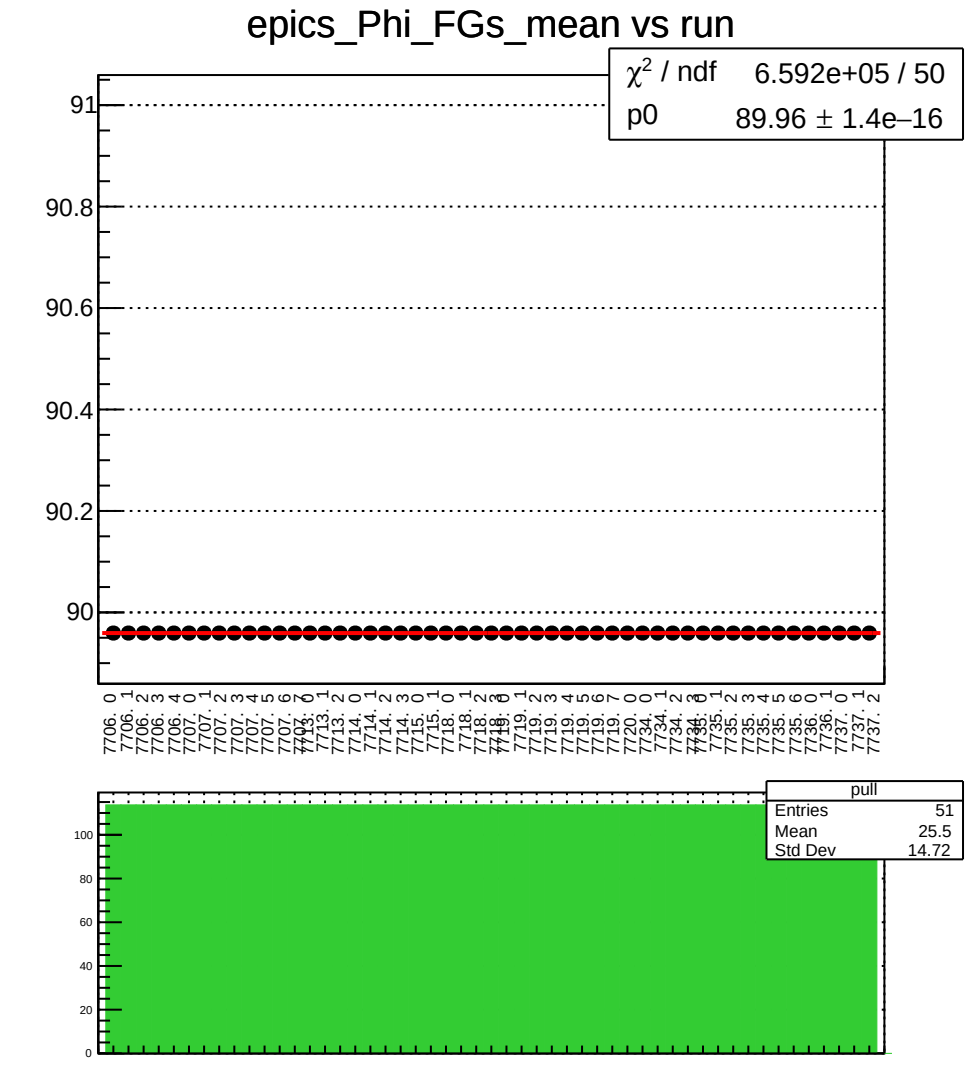

yield_bpm0r05Y_rms vs run
χ² / ndf 7.077e+04 / 50
p0 0.022 ± 2.325e−05
0.12
0.1
0.08
0.06
0.04
0.02
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2

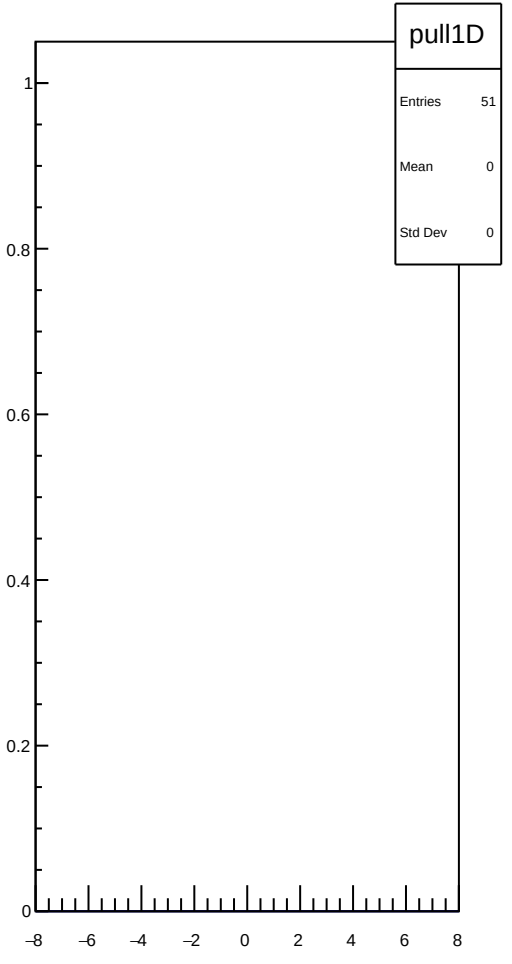

epics_VWienAngles_mean vs run
χ² / ndf 0 / 50
p0 88 ± 1.4e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

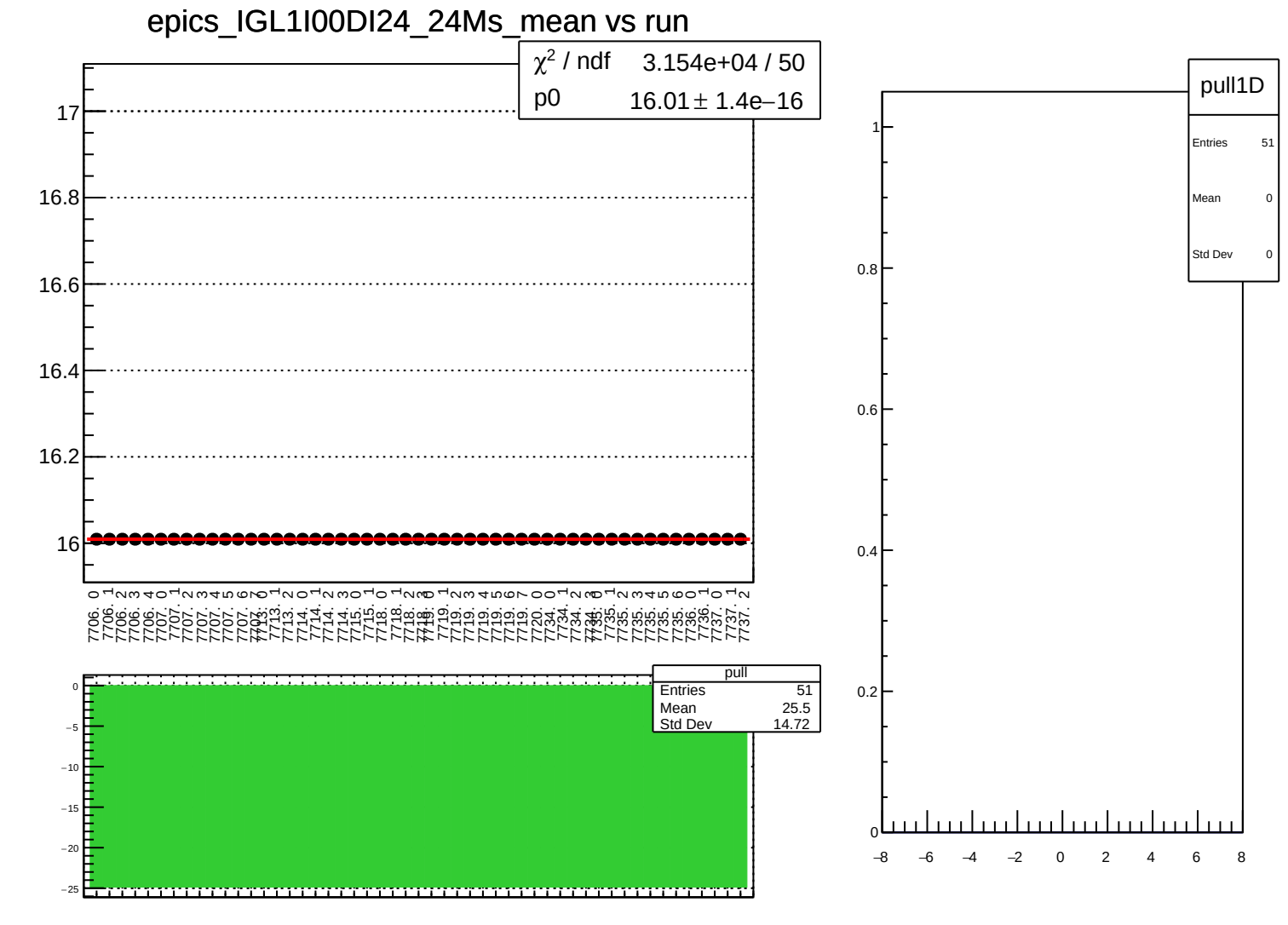

pull1D
Entries 51
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

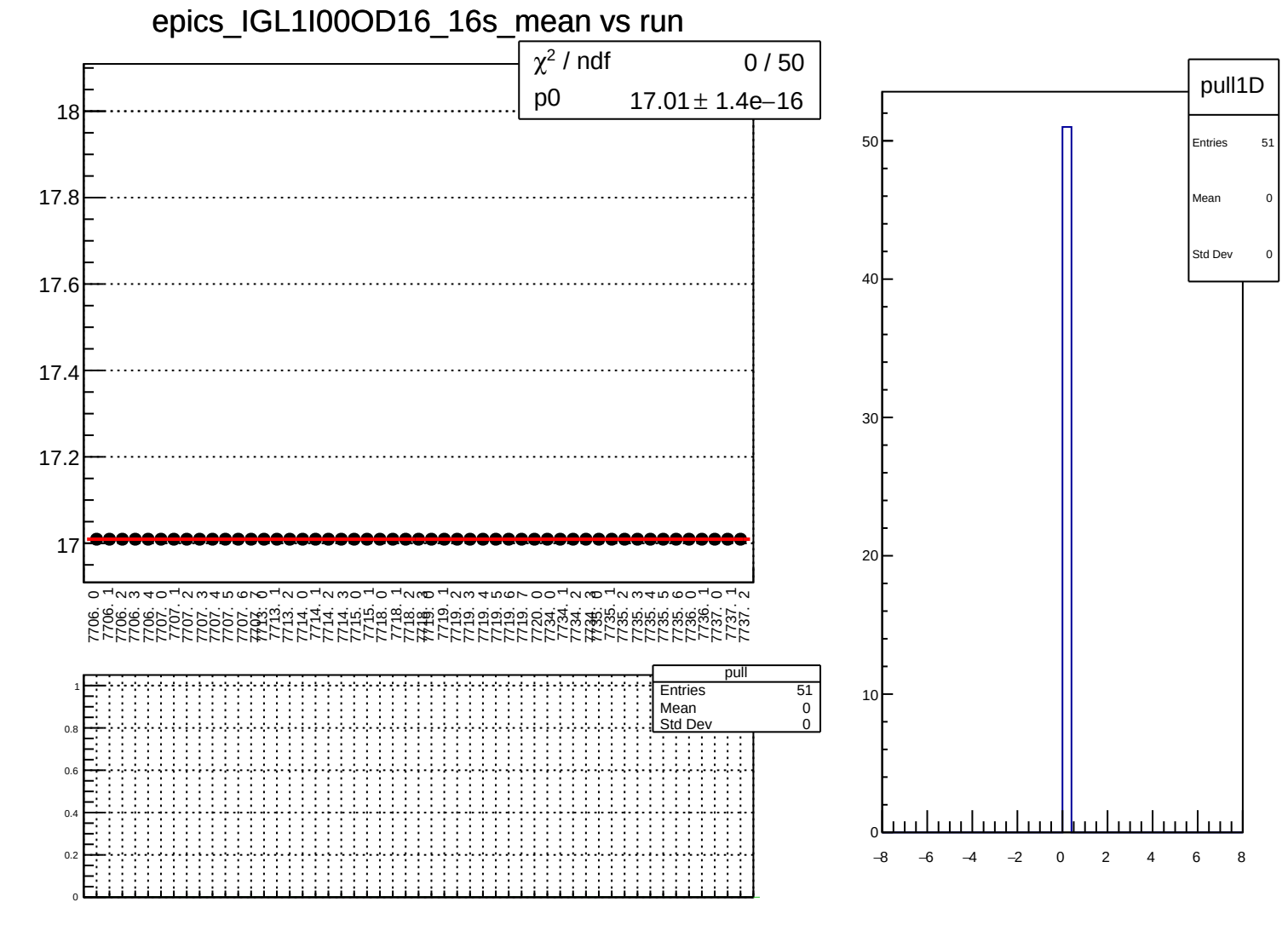

epics_HWienAngles_mean vs run
χ² / ndf 3.154e+04 / 50
p0 −29.64 ± 1.4e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
7706. 0
7706. 1
7706. 2
7706. 3
7706. 4
7707. 0
7707. 1
7707. 2
7707. 3
7707. 4
7707. 5
7707. 6
7713. 0
7713. 1
7713. 2
7714. 0
7714. 1
7714. 2
7714. 3
7715. 0
7715. 1
7718. 0
7718. 1
7718. 2
7719. 0
7719. 1
7719. 2
7719. 3
7719. 4
7719. 5
7719. 6
7719. 7
7720. 0
7734. 1
7734. 2
7735. 1
7735. 2
7735. 3
7735. 4
7735. 5
7735. 6
7736. 0
7736. 1
7737. 0
7737. 1
7737. 2
pull
Entries 51
Mean 25.5
Std Dev 14.72
0
−5
−10
−15
−20
−25
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

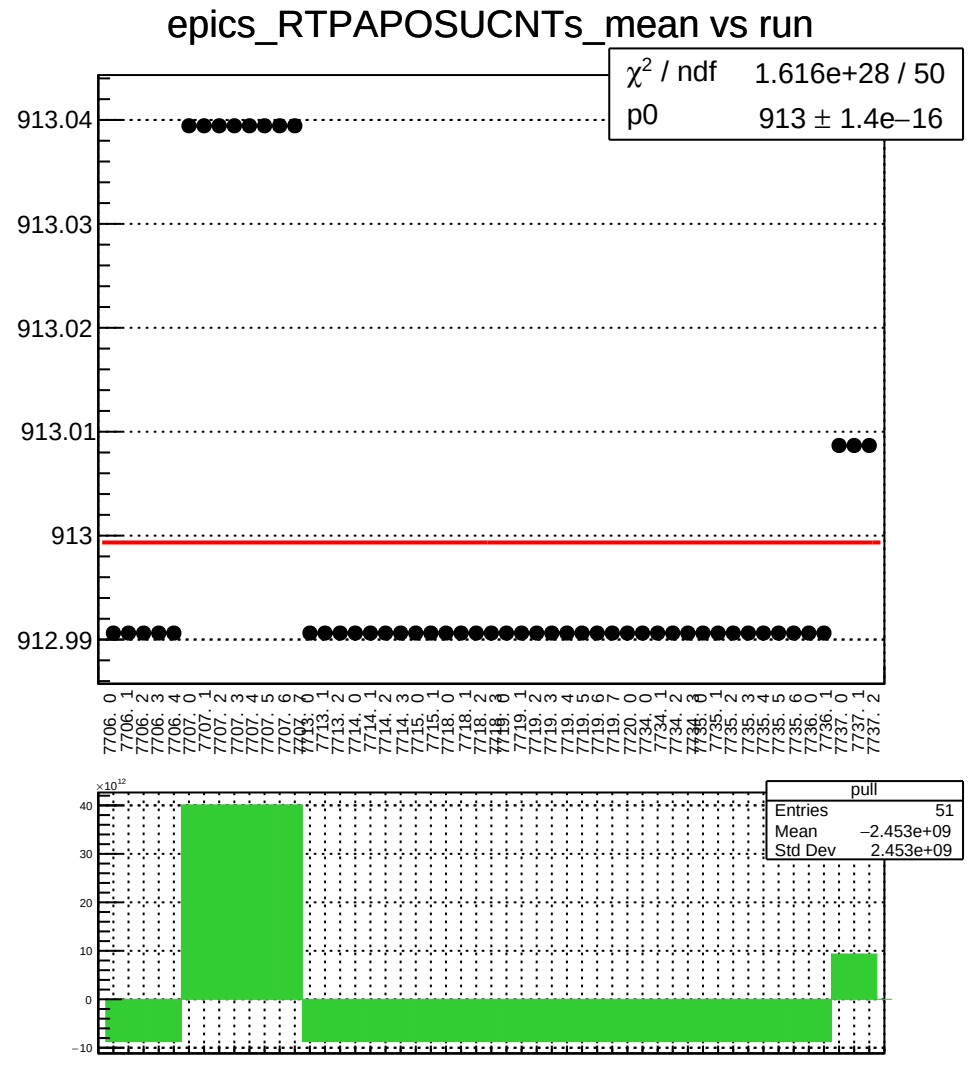

epics_psub_pl_poss_mean vs run
χ² / ndf 4.219e+07 / 50
p0 1500 ± 1.4e–16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 51
Mean 25.5
Std Dev 14.72
0
–200
–400
–600
–800
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

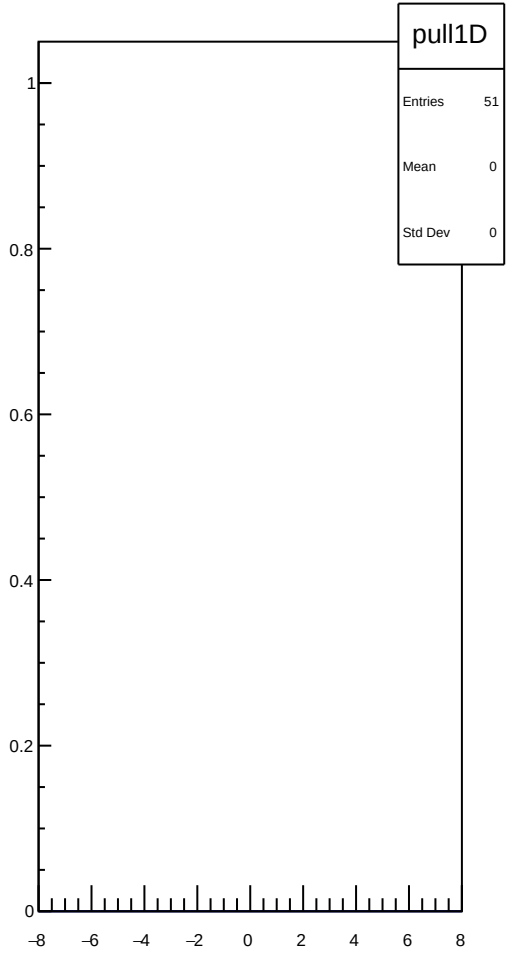

epics_Phi_FGs_mean vs run
χ² / ndf 6.592e+05 / 50
p0 89.96 ± 1.4e–16
91
90.8
90.6
90.4
90.2
90
pull
Entries 51
Mean 25.5
Std Dev 14.72
100
80
60
40
20
0

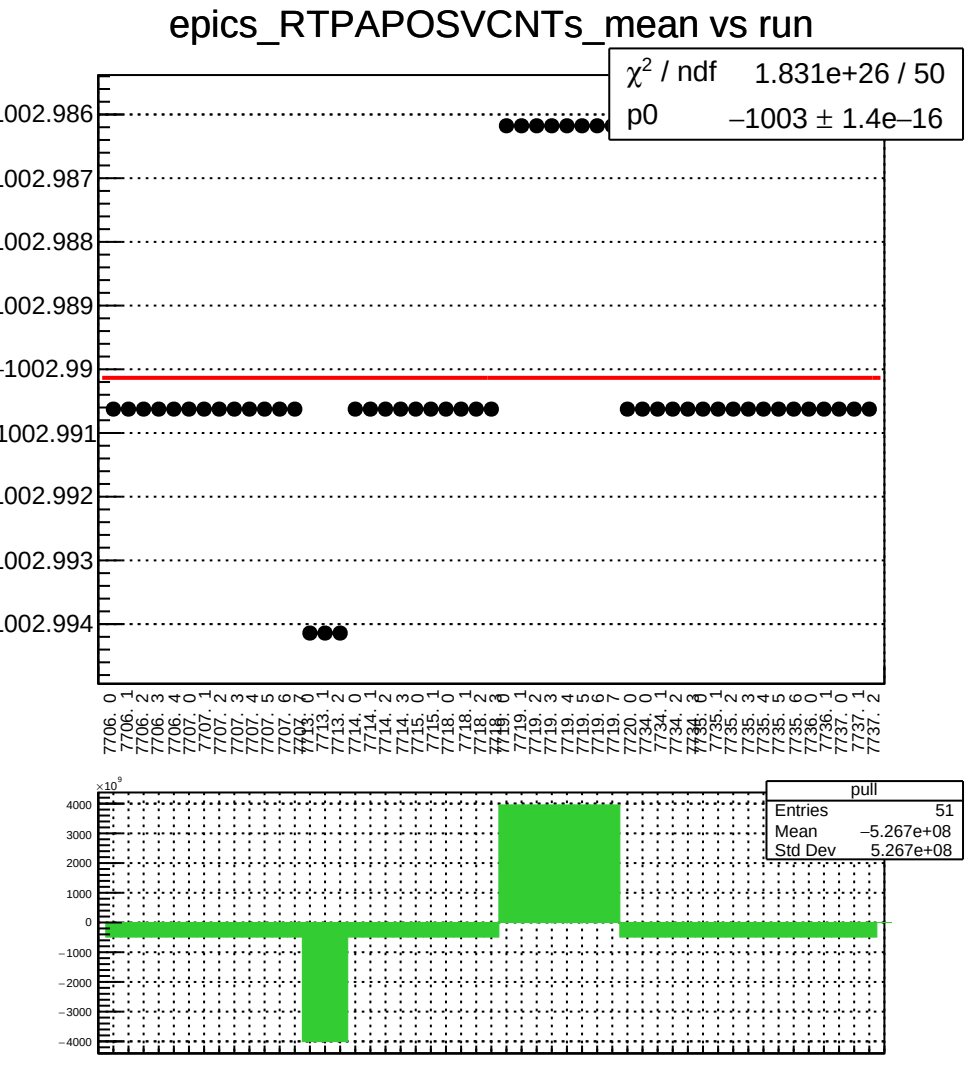

pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

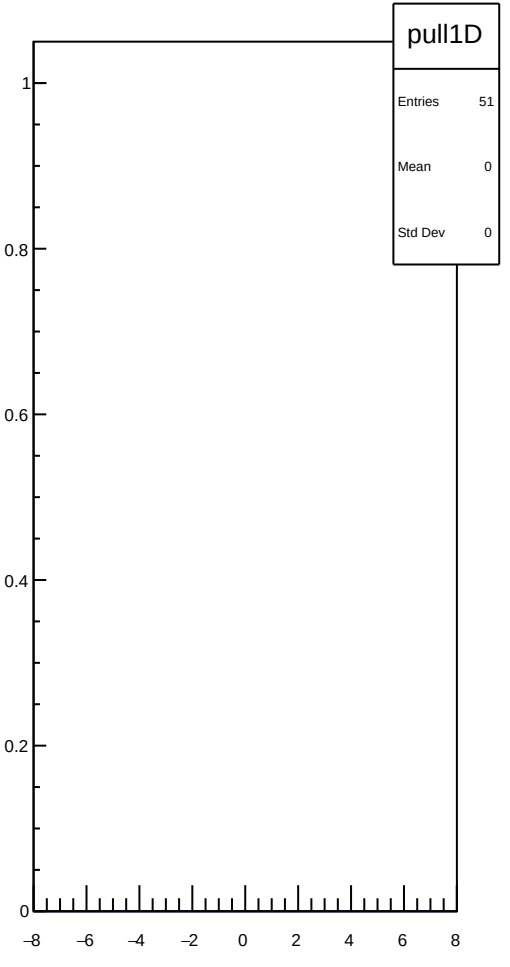

epics_IGL1I00DI24_24Ms_mean vs run
χ² / ndf 3.154e+04 / 50
p0 16.01 ± 1.4e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 51
Mean 25.5
Std Dev 14.72
0
−5
−10
−15
−20
−25
pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


epics_IGL1I00OD16_16s_mean vs run
χ² / ndf 0 / 50
p0 17.01 ± 1.4e−16
18
17.8
17.6
17.4
17.2
17
pull
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 51
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


epics_RTPAPOSUCNTs_mean vs run
χ² / ndf 1.616e+28 / 50
p0 913 ± 1.4e−16
913.04
913.03
913.02
913.01
913
912.99
pull
Entries 51
Mean −2.453e+09
Std Dev 2.453e+09
×10¹²
40
30
20
10
0
−10


pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


epics_RTPAPOSVCNTs_mean vs run
χ² / ndf 1.831e+26 / 50
p0 –1003 ± 1.4e–16
-1002.986
-1002.987
-1002.988
-1002.989
-1002.99
-1002.991
-1002.992
-1002.993
-1002.994
pull
Entries 51
Mean –5.267e+08
Std Dev 5.267e+08
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000


pull1D
Entries 51
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8