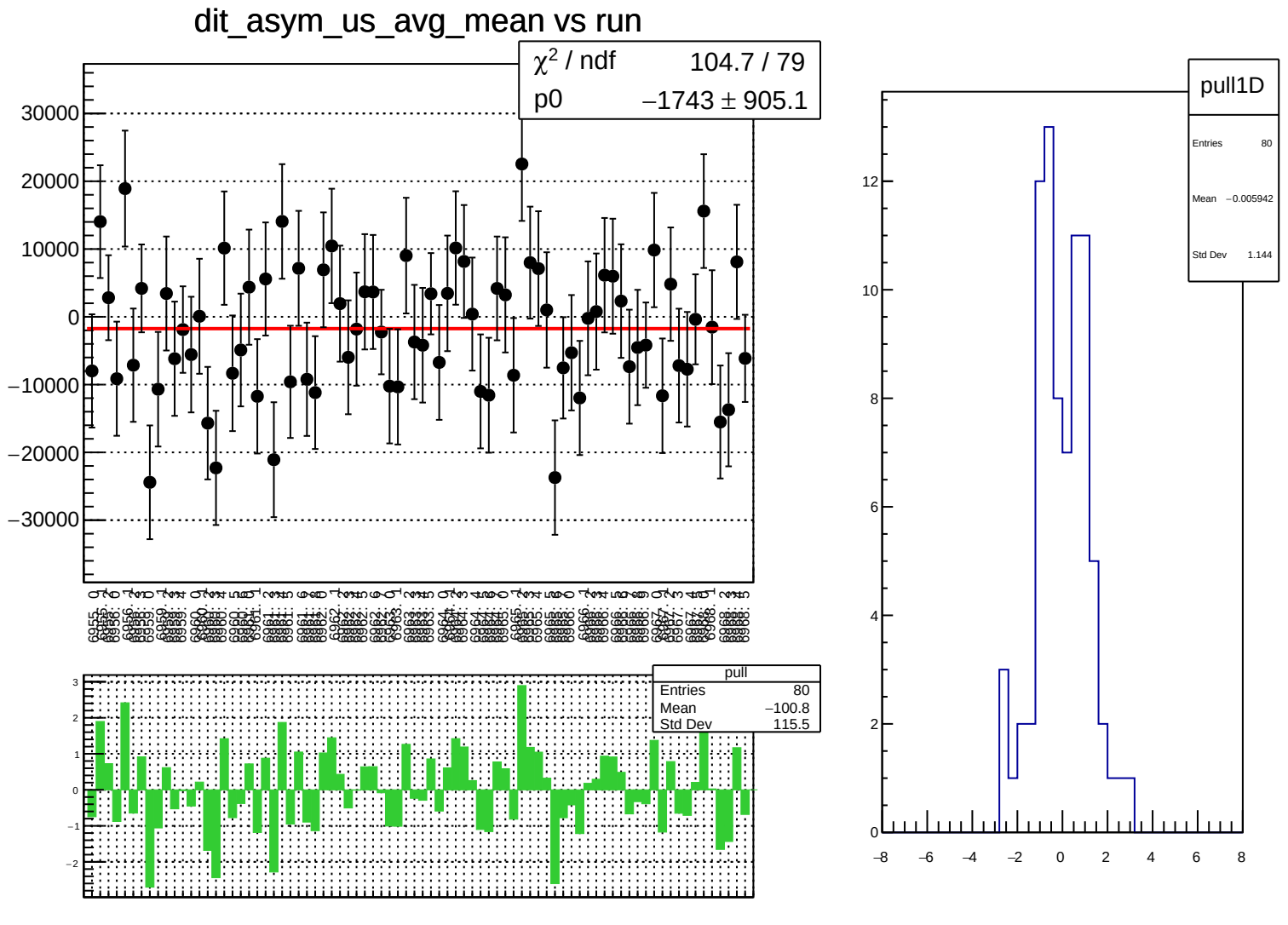
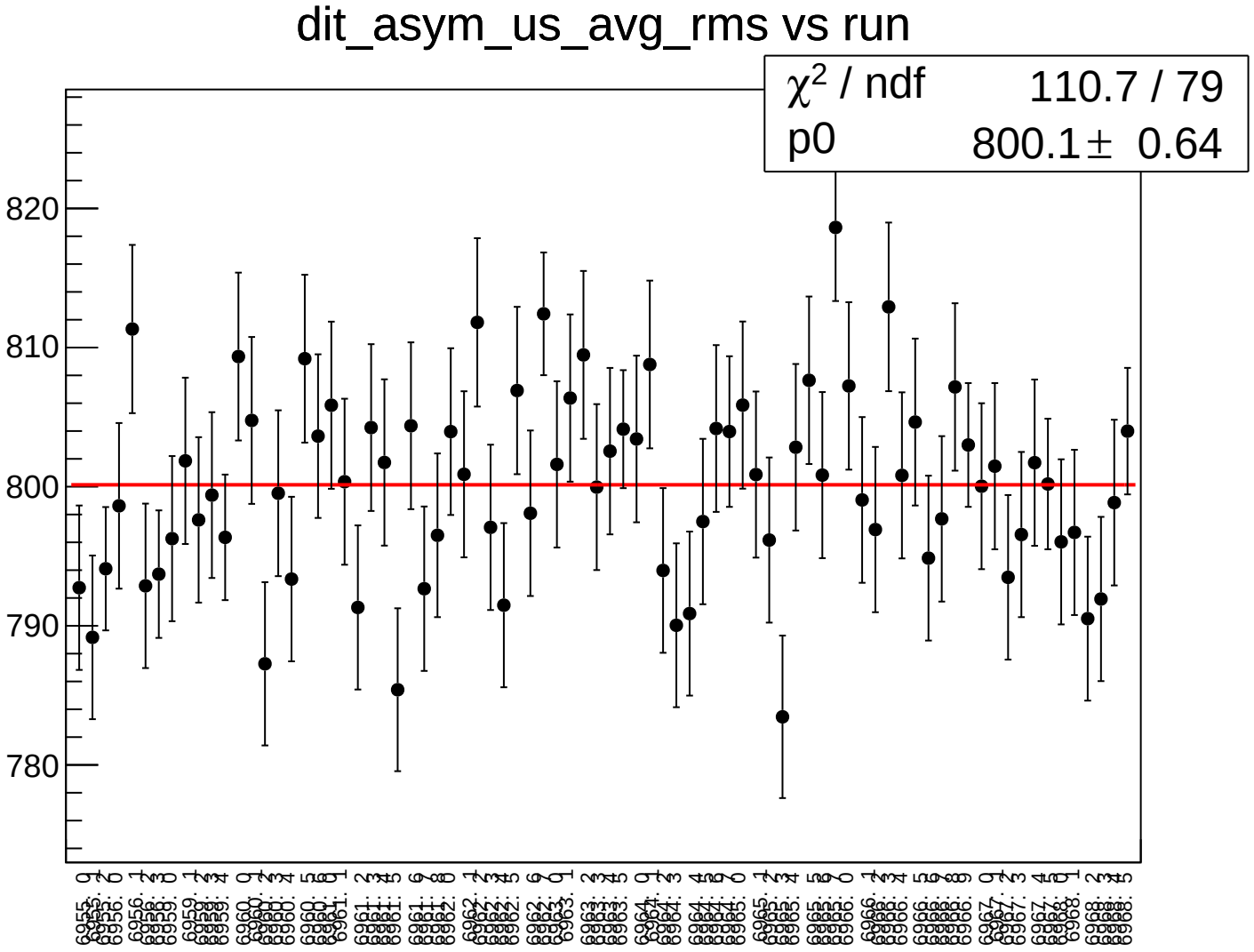
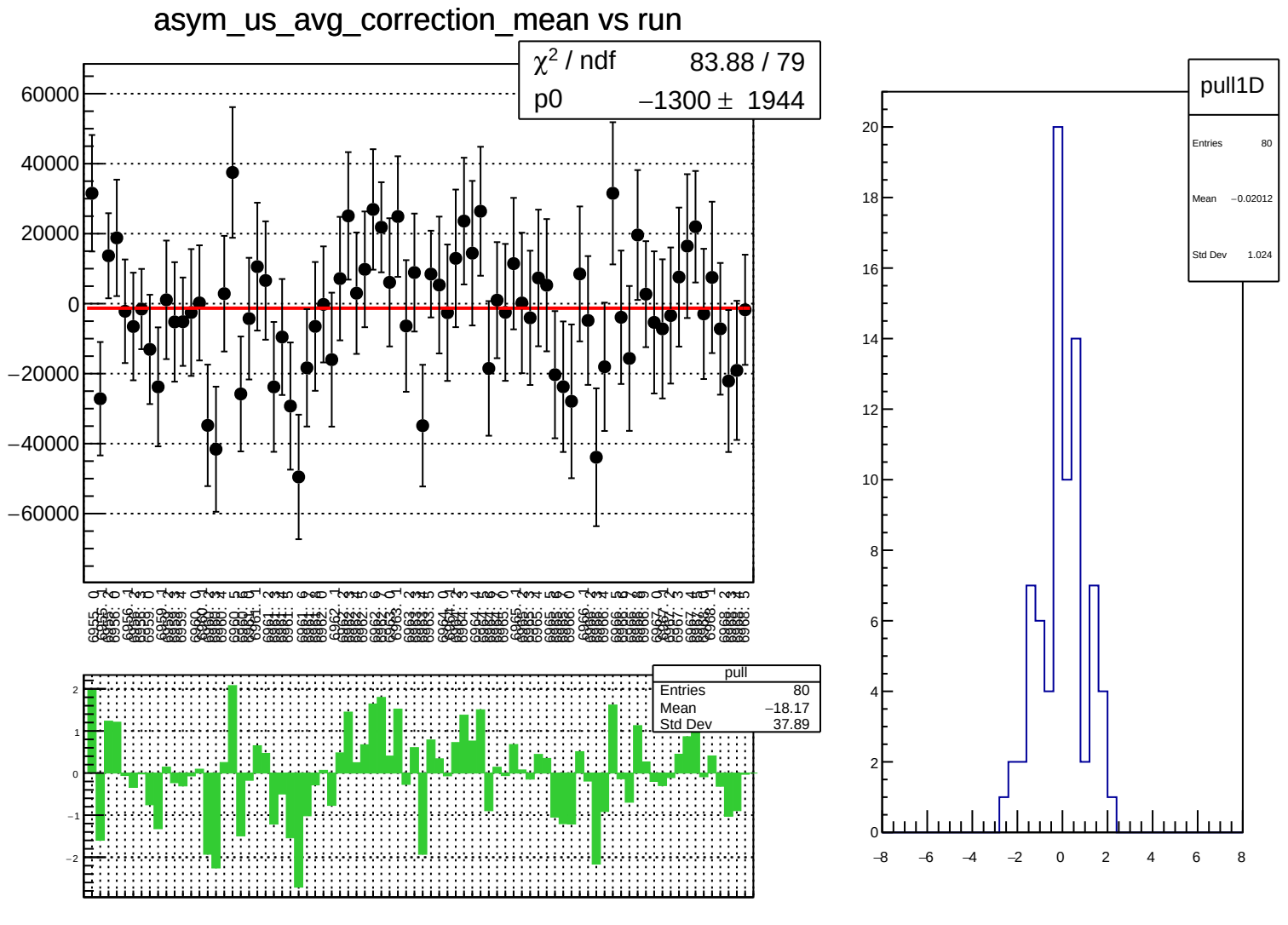
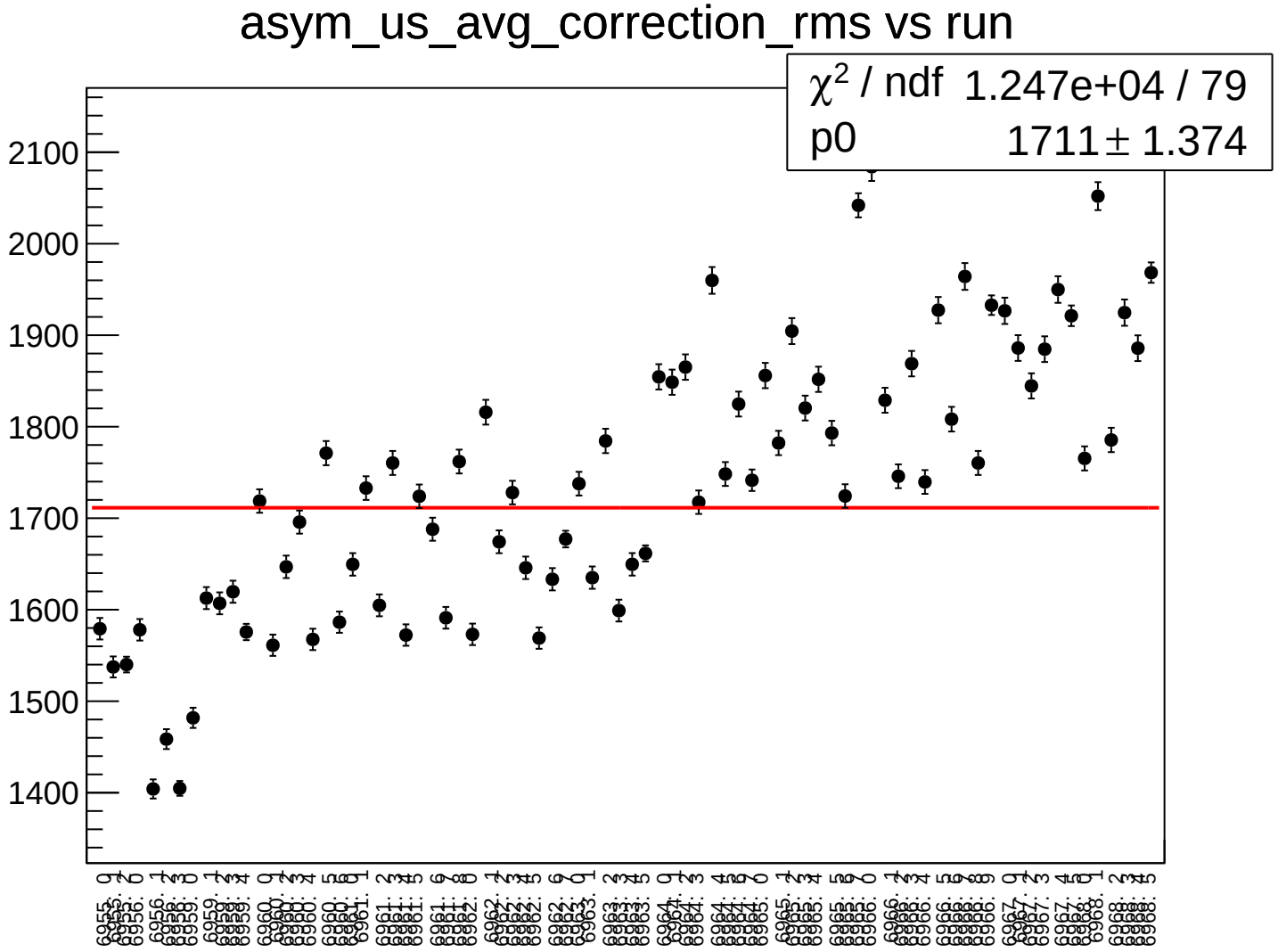
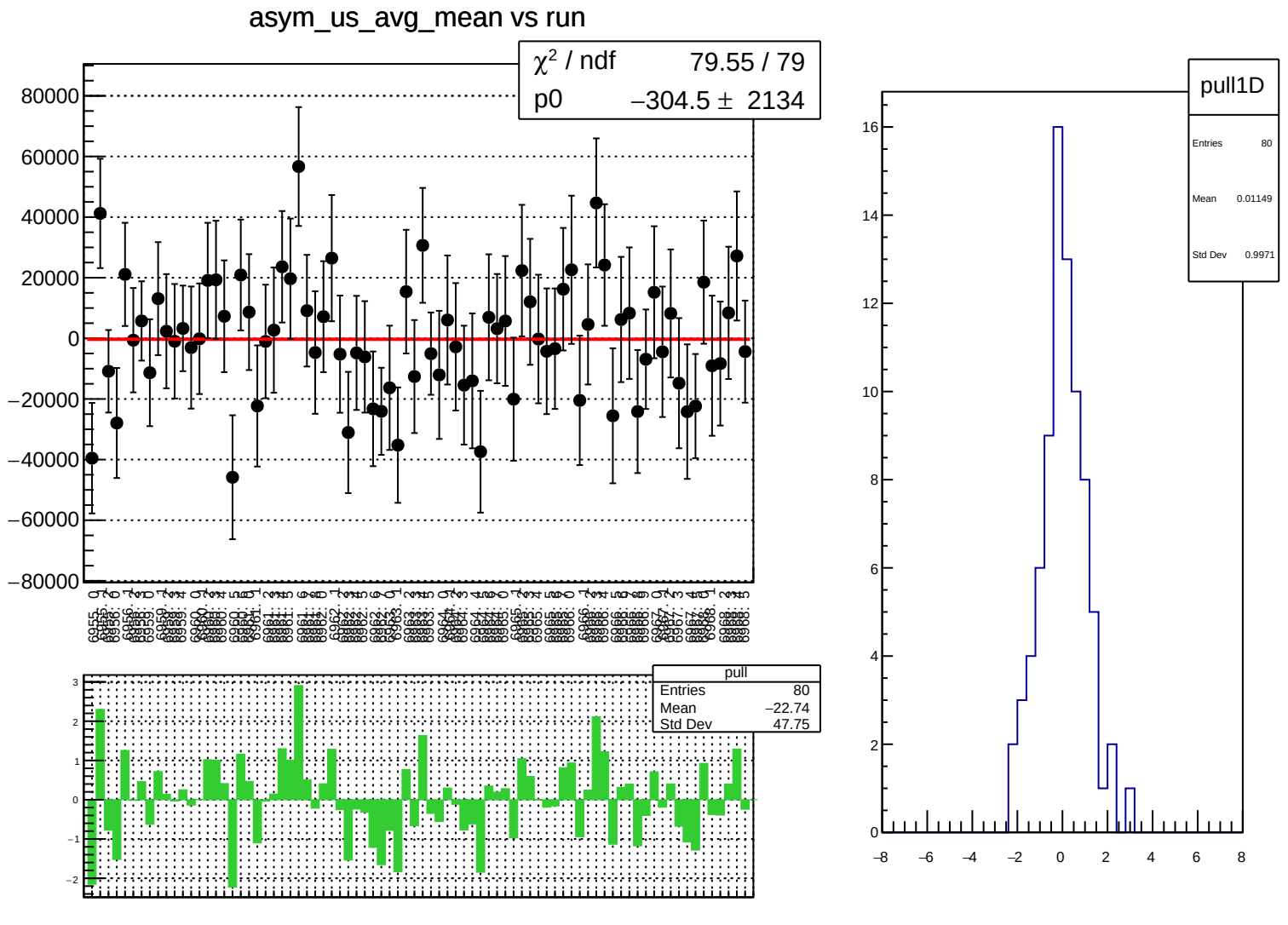
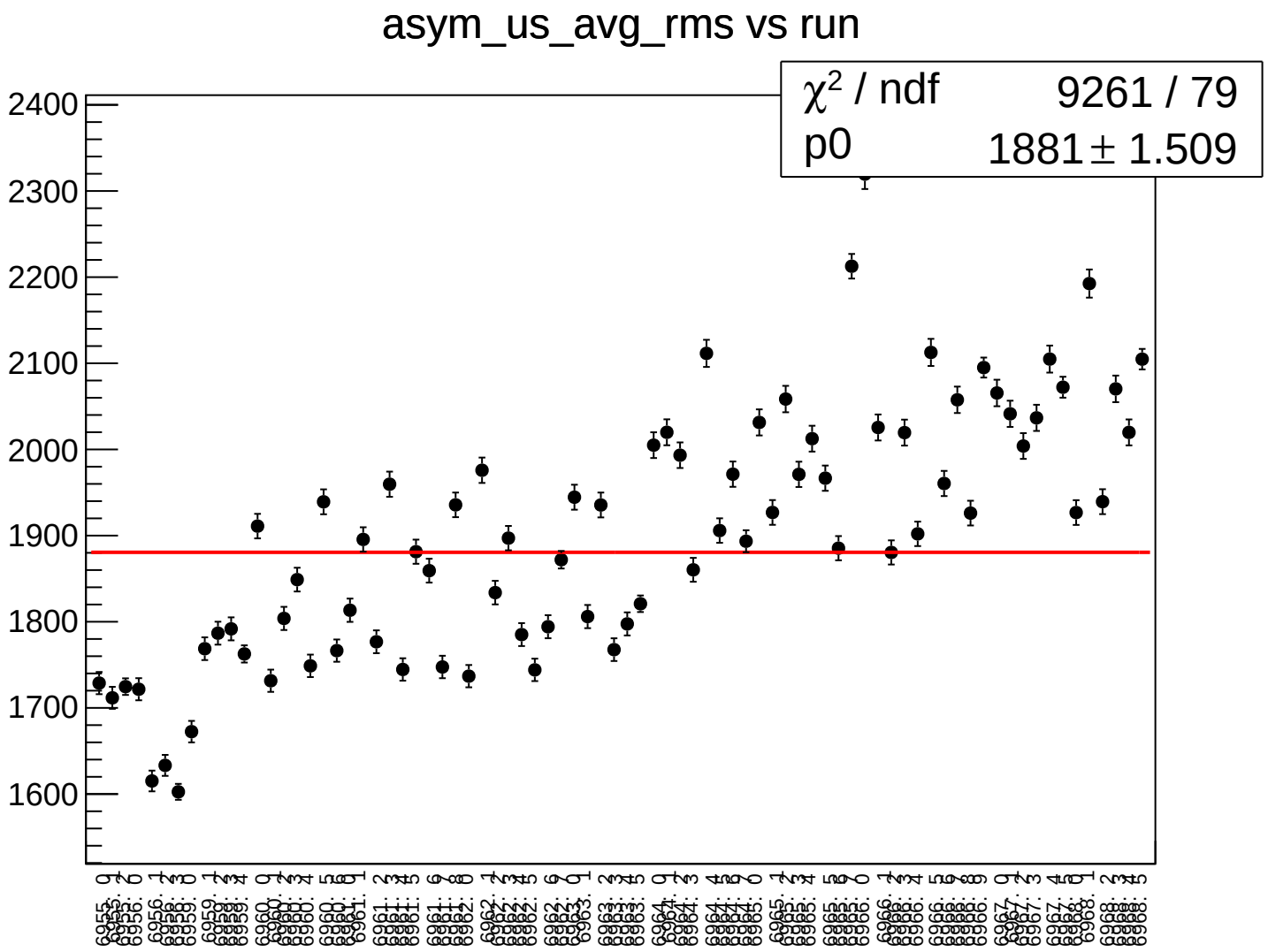

dit_asym_us_avg_mean vs run
χ² / ndf 104.7 / 79
p0 −1743 ± 905.1
pull
Entries 80
Mean −100.8
Std Dev 115.5
pull1D
Entries 80
Mean −0.005942
Std Dev 1.144

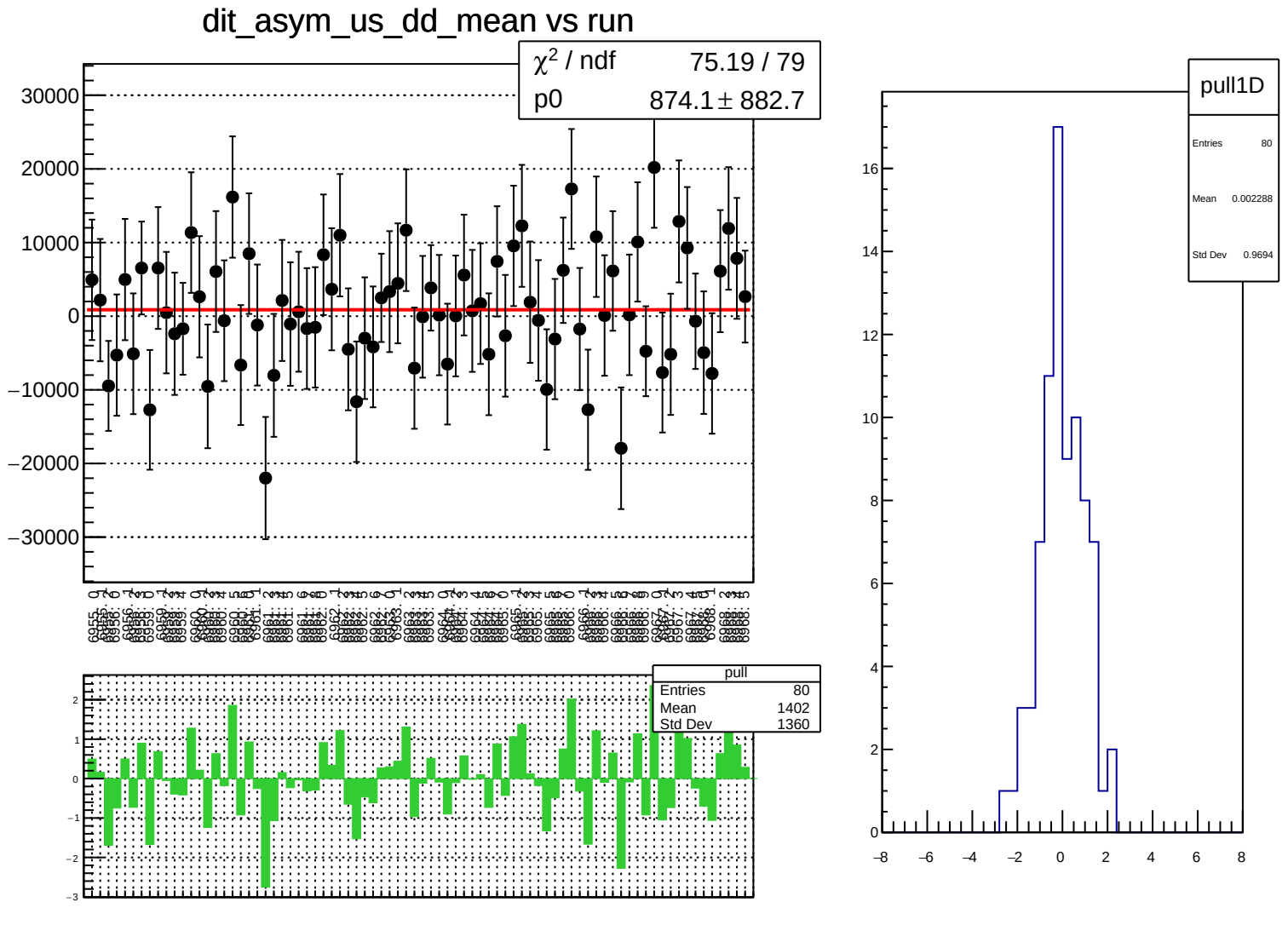

dit_asym_us_avg_rms vs run
χ2 / ndf 110.7 / 79
p0 800.1 ± 0.64
820
810
800
790
780

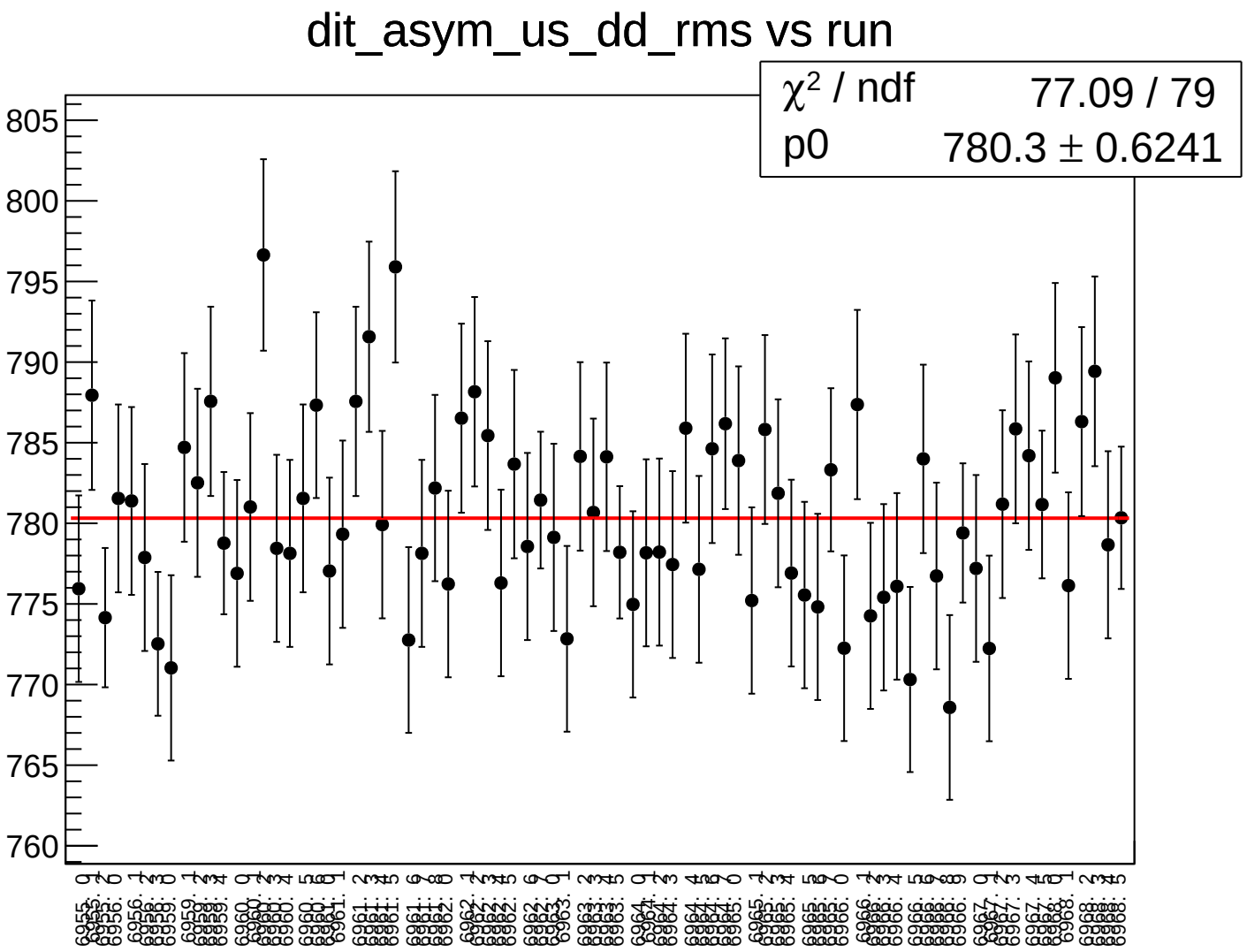

asym_us_avg_correction_mean vs run
χ² / ndf 83.88 / 79
p0 −1300 ± 1944
pull
Entries 80
Mean −18.17
Std Dev 37.89
pull1D
Entries 80
Mean −0.02012
Std Dev 1.024

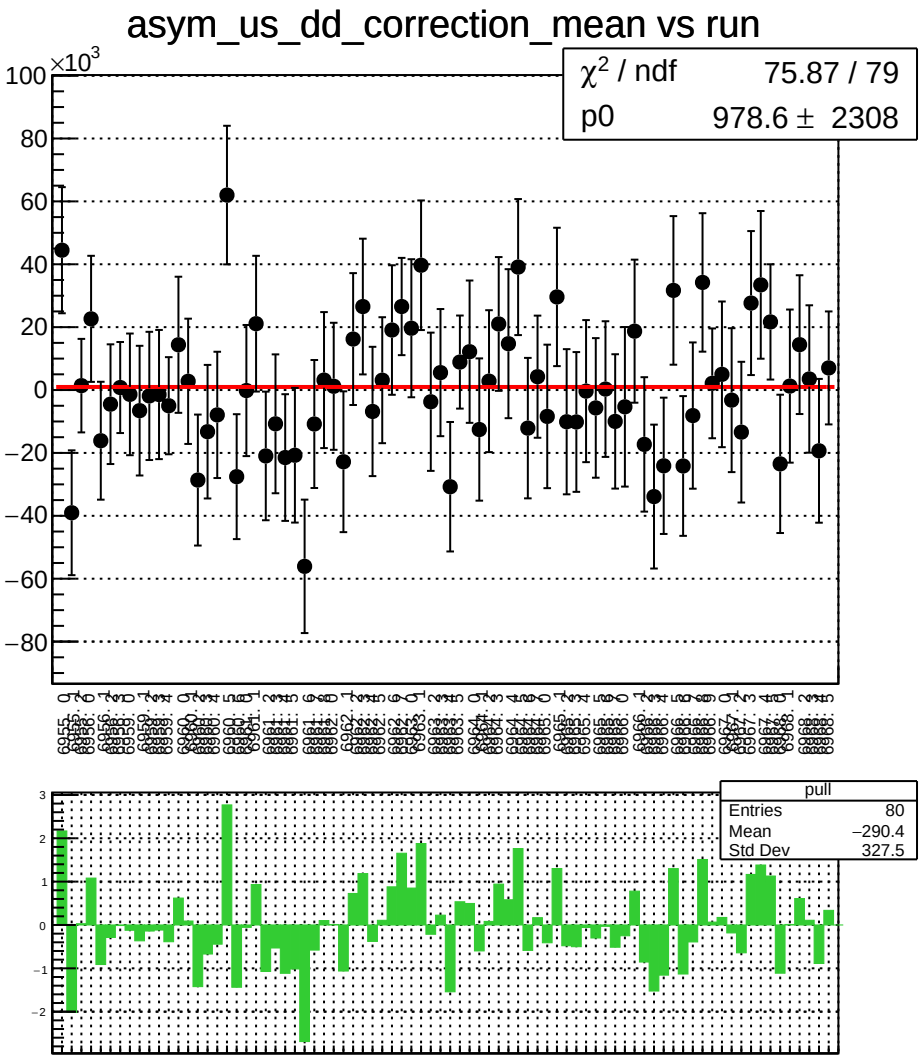

asym_us_avg_correction_rms vs run
χ^2 / ndf 1.247e+04 / 79
p0 1711 ± 1.374
2100
2000
1900
1800
1700
1600
1500
1400

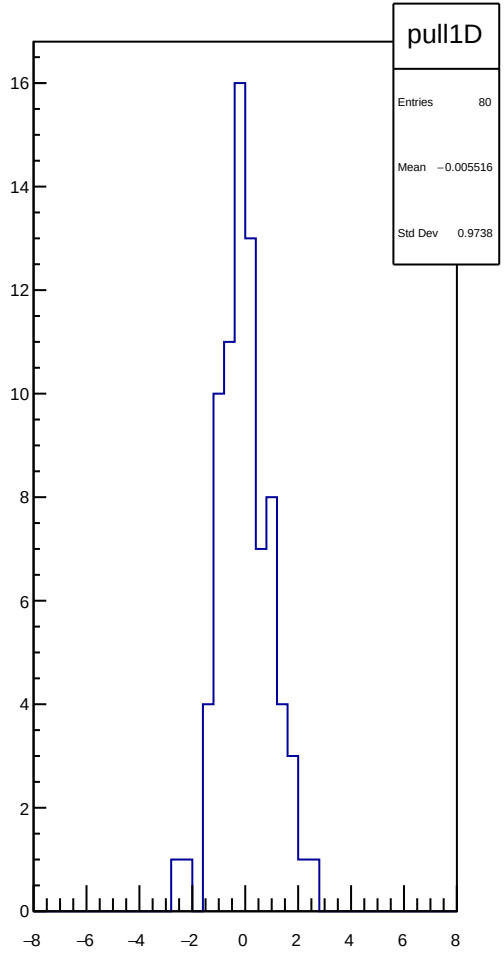

asym_us_avg_mean vs run
χ² / ndf 79.55 / 79
p0 −304.5 ± 2134
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −22.74
Std Dev 47.75
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01149
Std Dev 0.9971
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

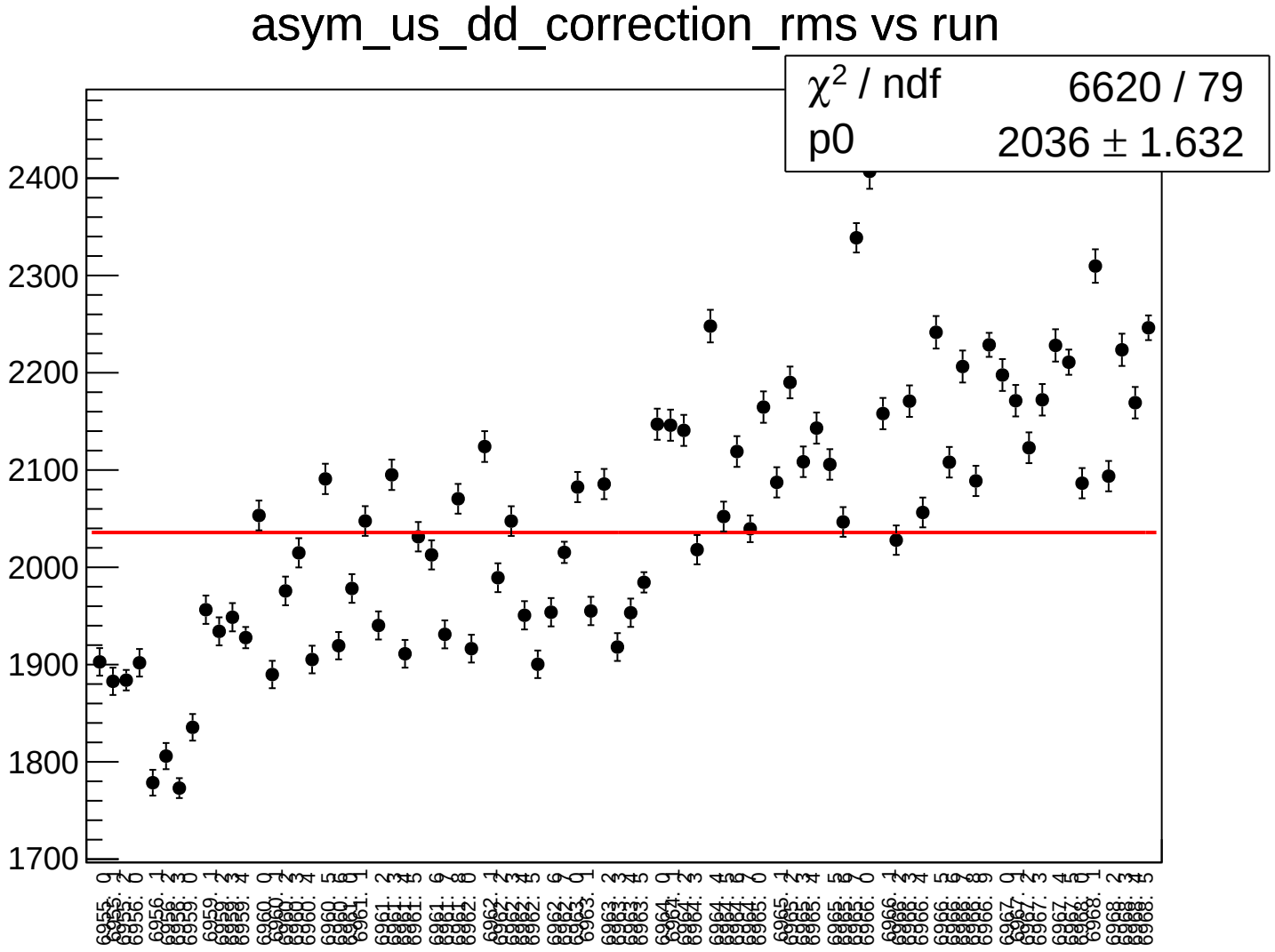

asym_us_avg_rms vs run
χ² / ndf 9261 / 79
p0 1881 ± 1.509
2400
2300
2200
2100
2000
1900
1800
1700
1600

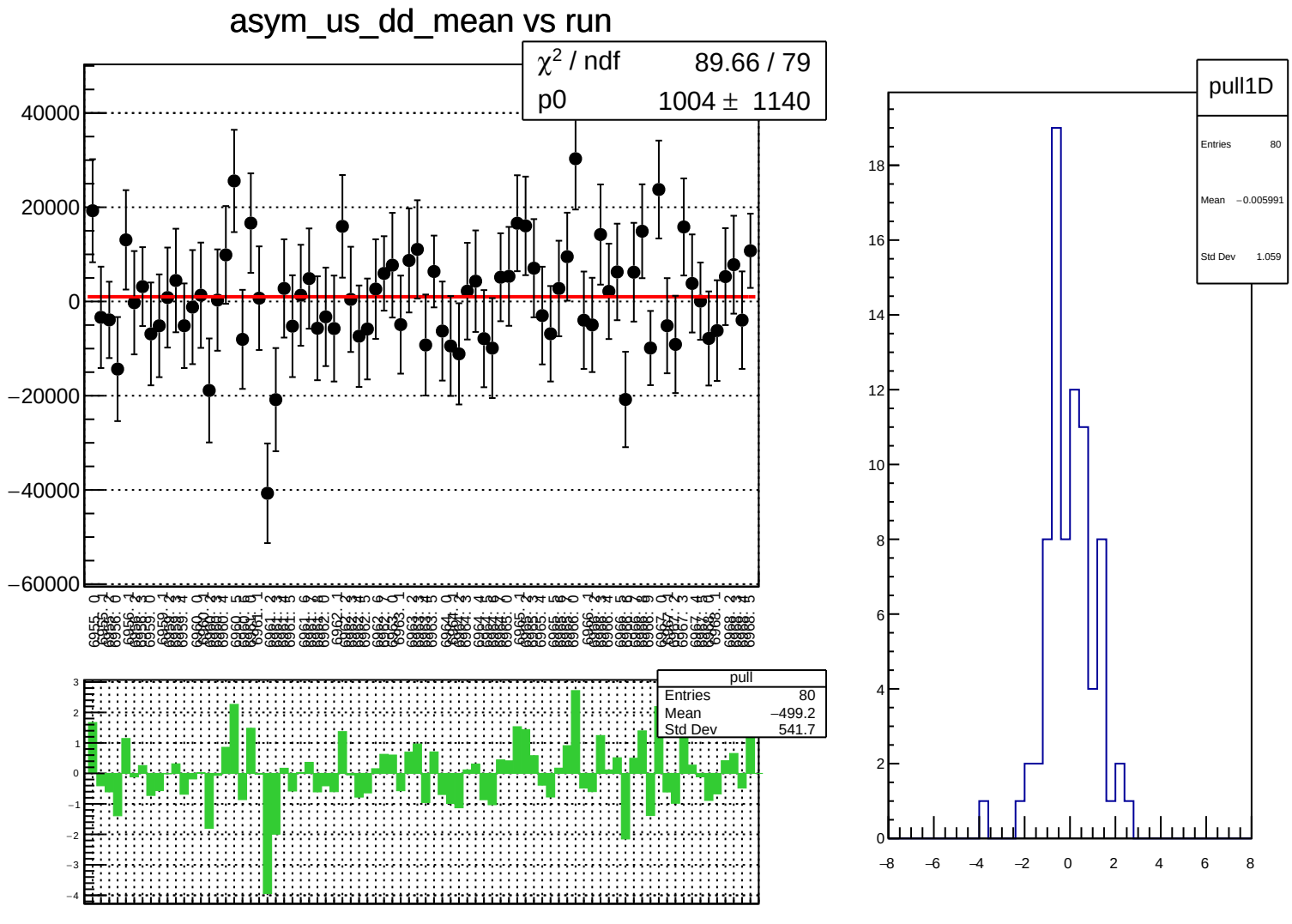

dit_asym_us_dd_mean vs run
χ^2 / ndf 75.19 / 79
p0 874.1 ± 882.7
pull
Entries 80
Mean 1402
Std Dev 1360
pull1D
Entries 80
Mean 0.002288
Std Dev 0.9694

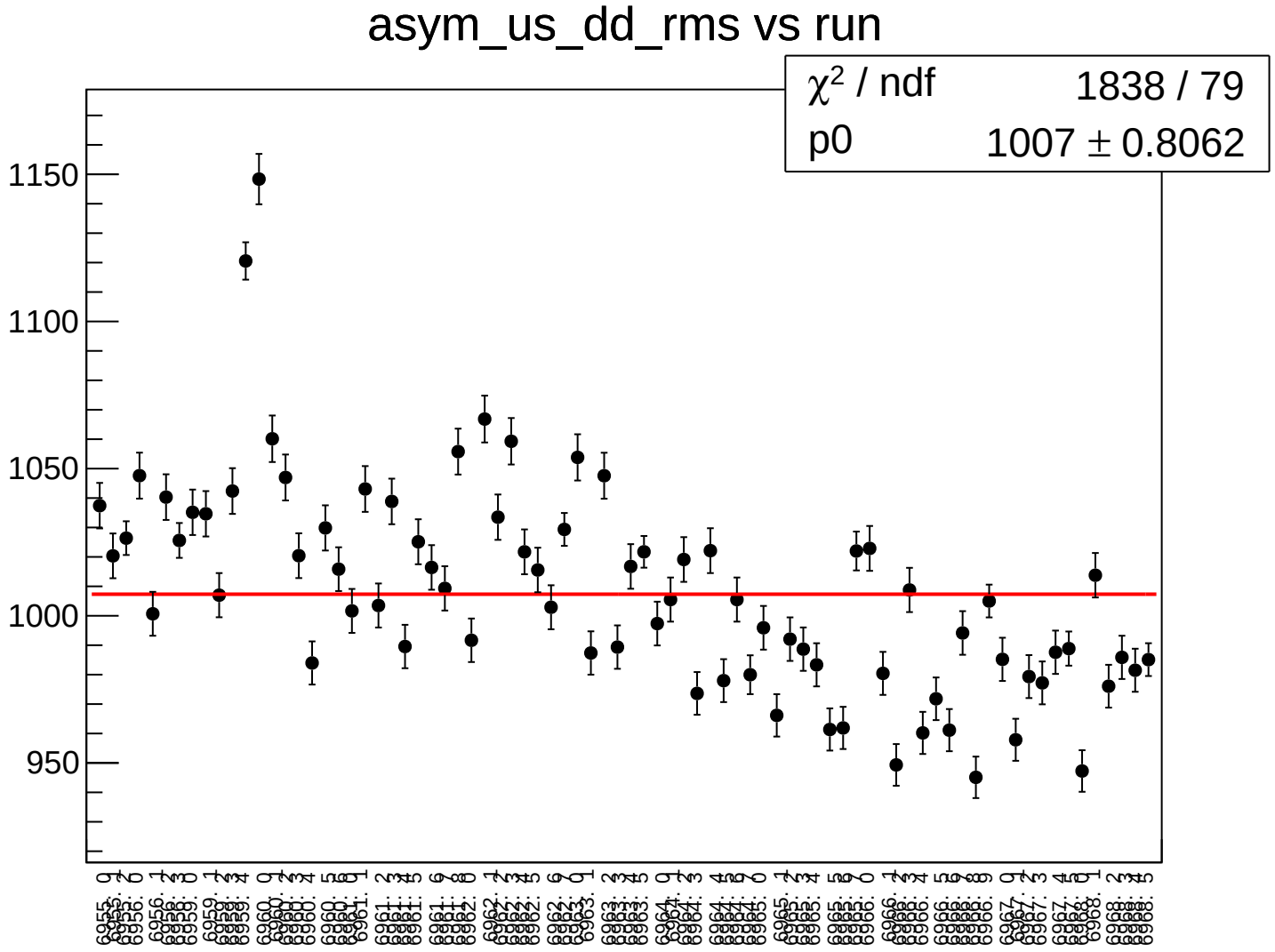

dit_asym_us_dd_rms vs run
χ² / ndf 77.09 / 79
p0 780.3 ± 0.6241
805
800
795
790
785
780
775
770
765
760

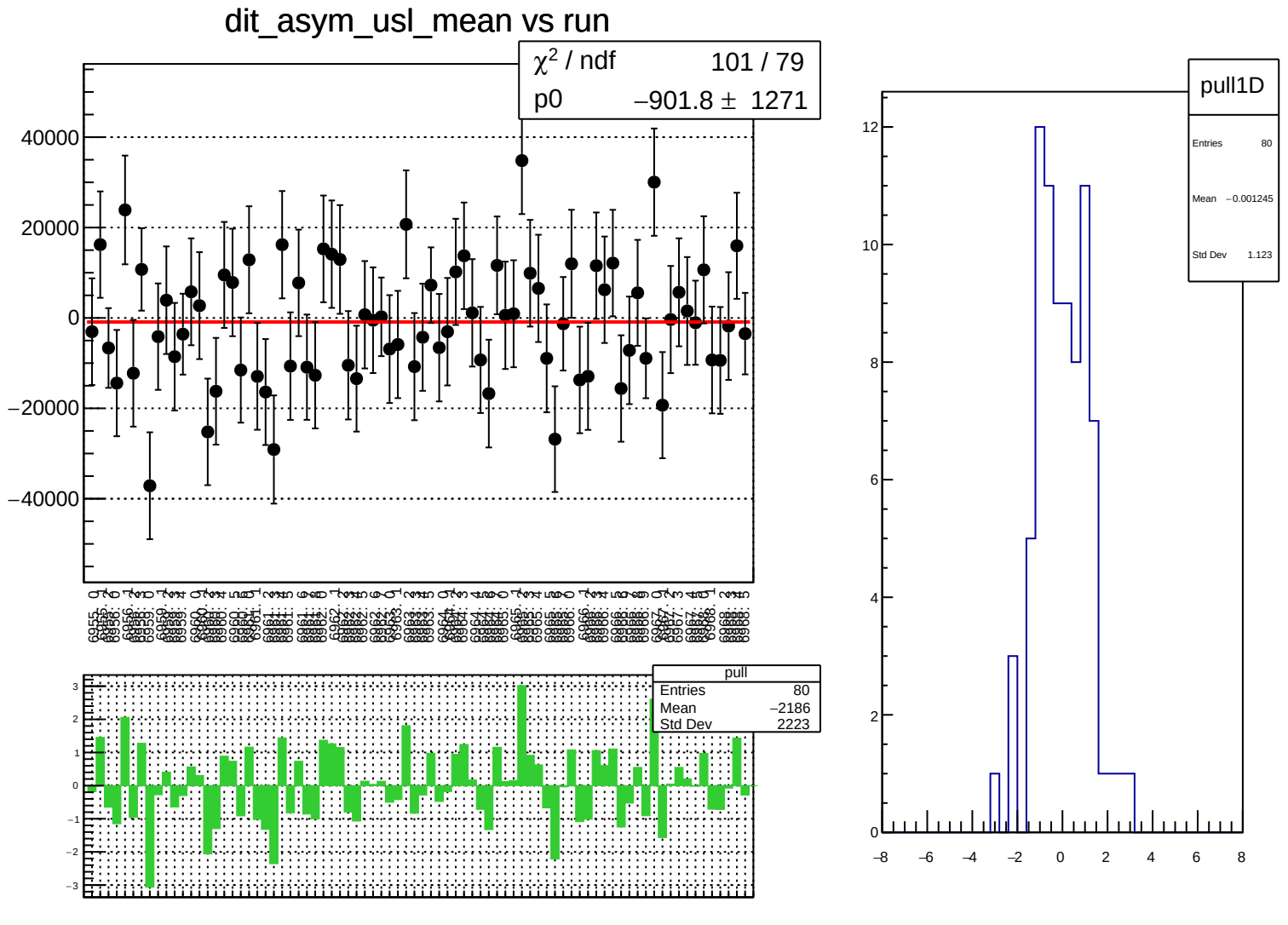

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 75.87 / 79
p0 978.6 ± 2308
pull
Entries 80
Mean −290.4
Std Dev 327.5

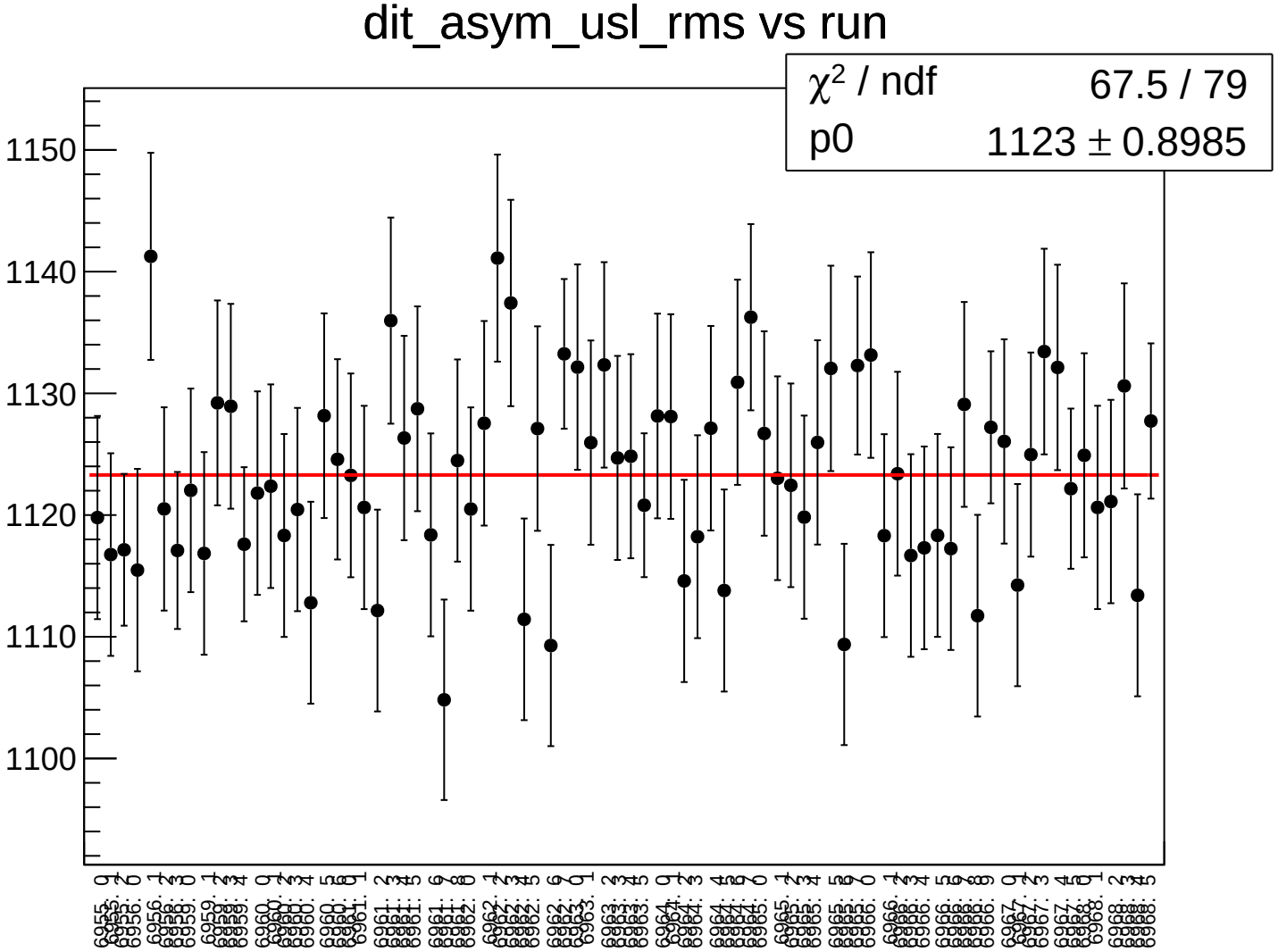

pull1D
Entries 80
Mean −0.005516
Std Dev 0.9738

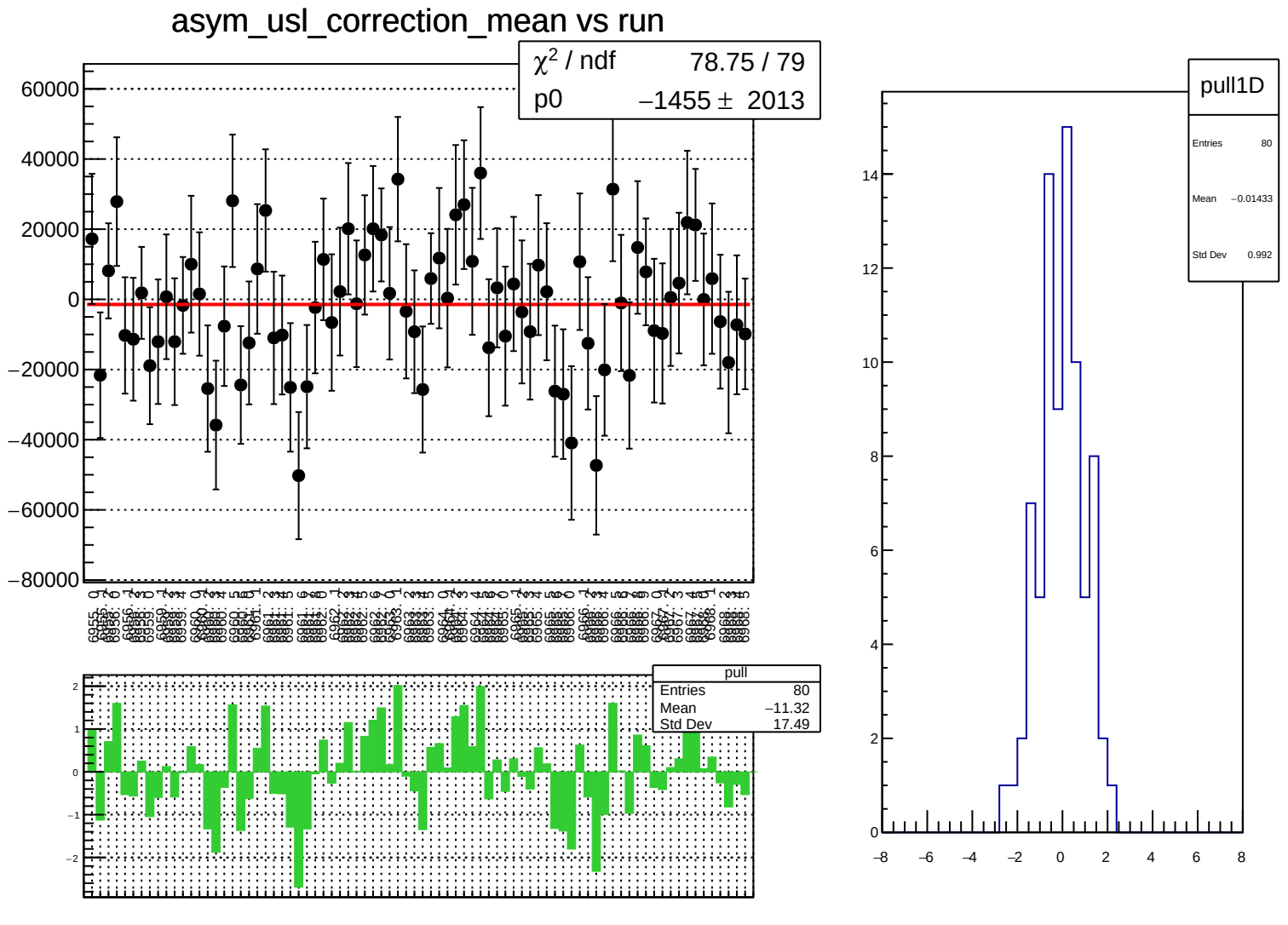

asym_us_dd_correction_rms vs run
χ^2 / ndf 6620 / 79
p0 2036 ± 1.632
2400
2300
2200
2100
2000
1900
1800
1700


asym_us_dd_mean vs run
χ² / ndf 89.66 / 79
p0 1004 ± 1140
pull
Entries 80
Mean −499.2
Std Dev 541.7
pull1D
Entries 80
Mean −0.005991
Std Dev 1.059

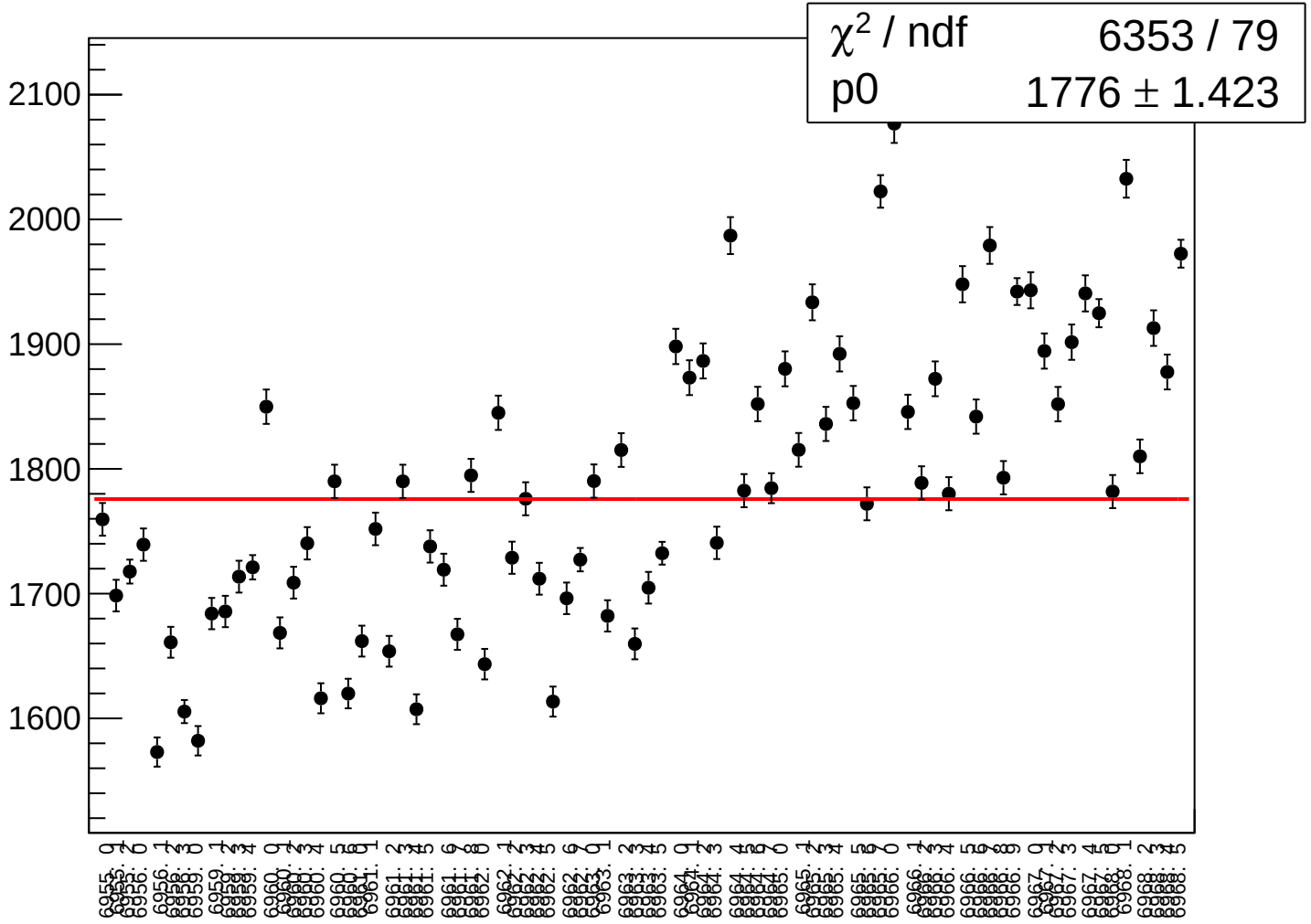

asym_us_dd_rms vs run
χ² / ndf 1838 / 79
p0 1007 ± 0.8062
1150
1100
1050
1000
950

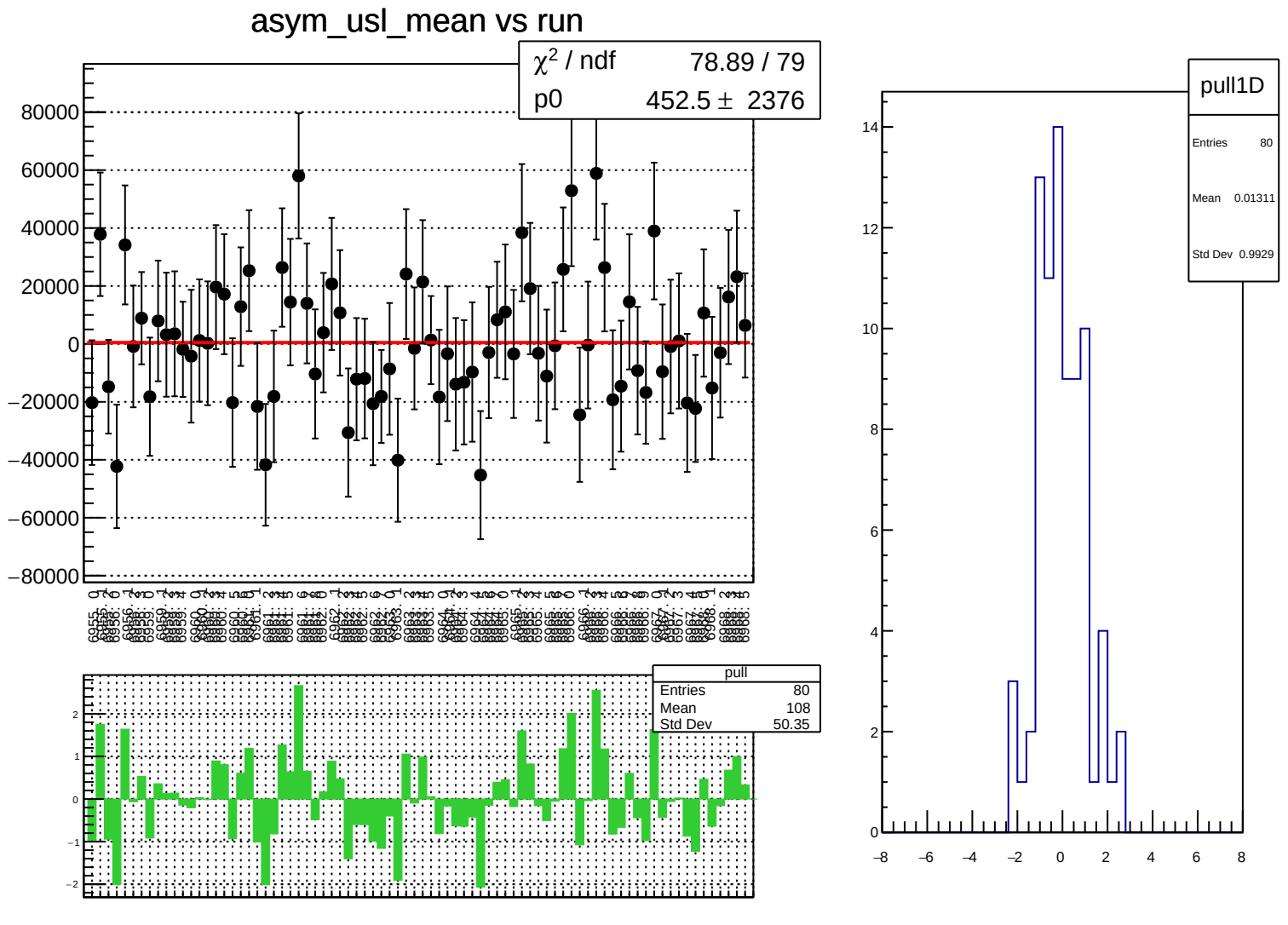

dit_asym_usl_mean vs run
χ² / ndf 101 / 79
p0 −901.8 ± 1271
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −2186
Std Dev 2223
pull1D
Entries 80
Mean −0.001245
Std Dev 1.123

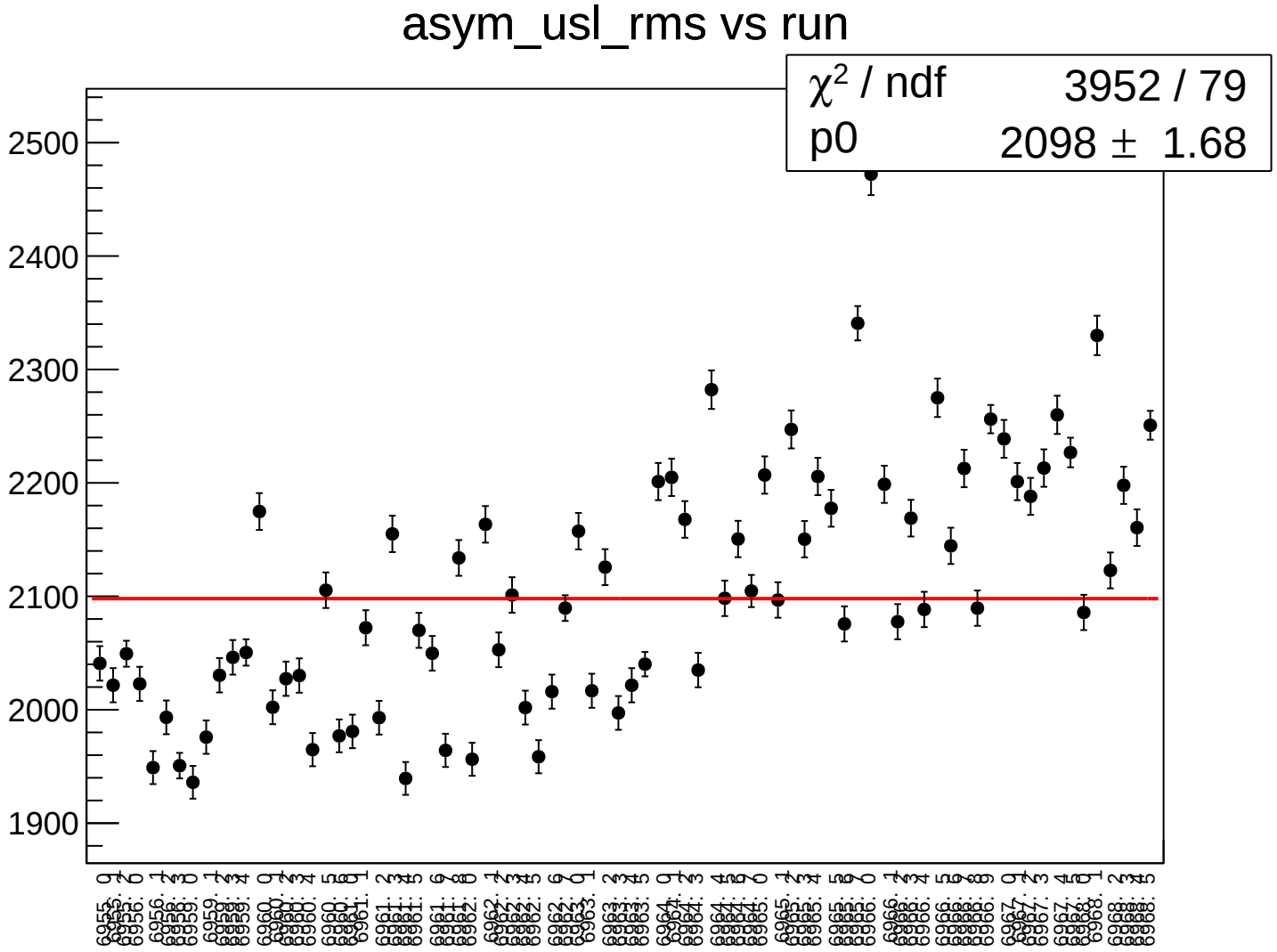

dit_asym_usl_rms vs run
χ² / ndf 67.5 / 79
p0 1123 ± 0.8985
1150
1140
1130
1120
1110
1100

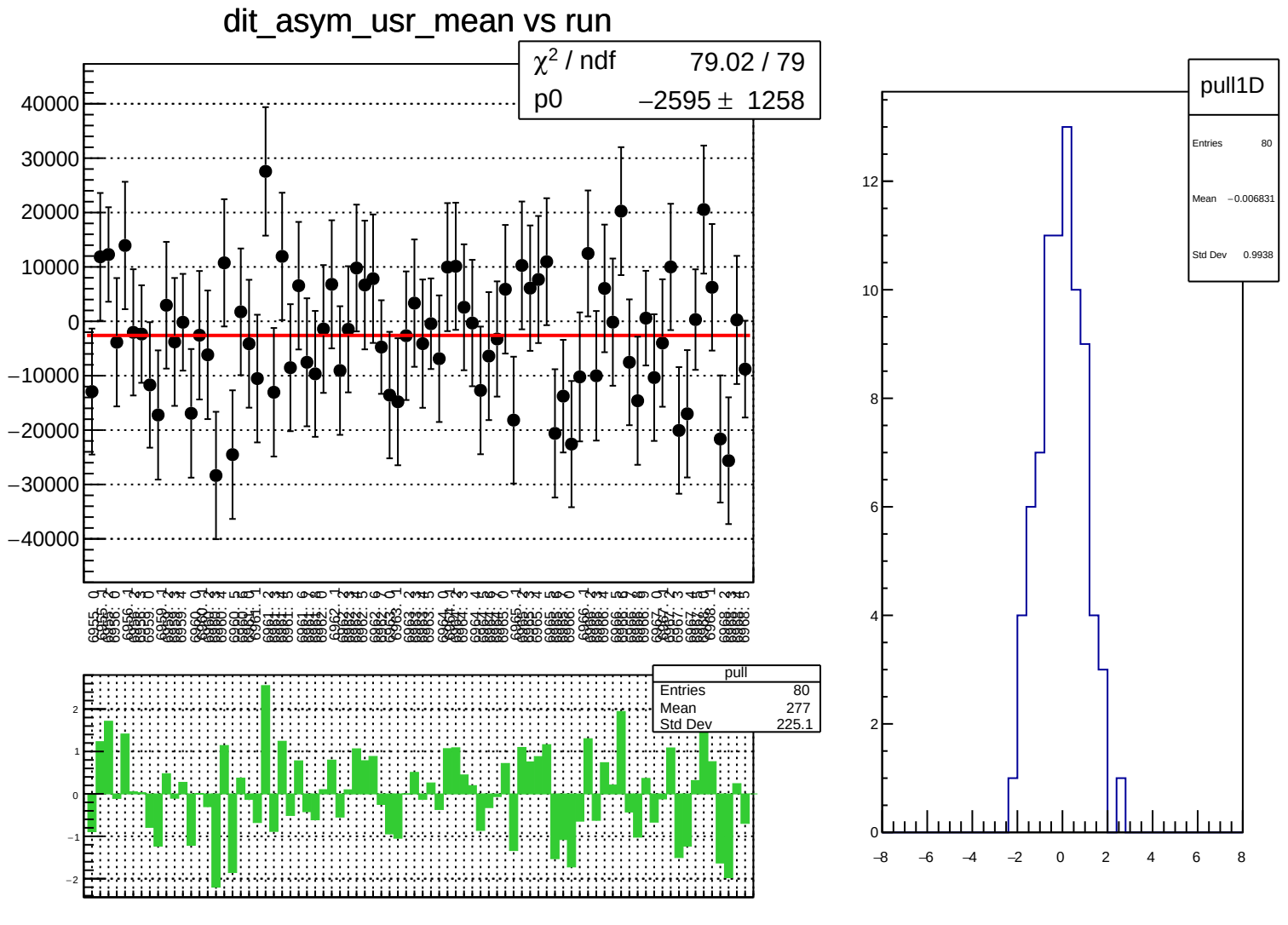

asym_usl_correction_mean vs run
χ² / ndf 78.75 / 79
p0 −1455 ± 2013
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −11.32
Std Dev 17.49
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01433
Std Dev 0.992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

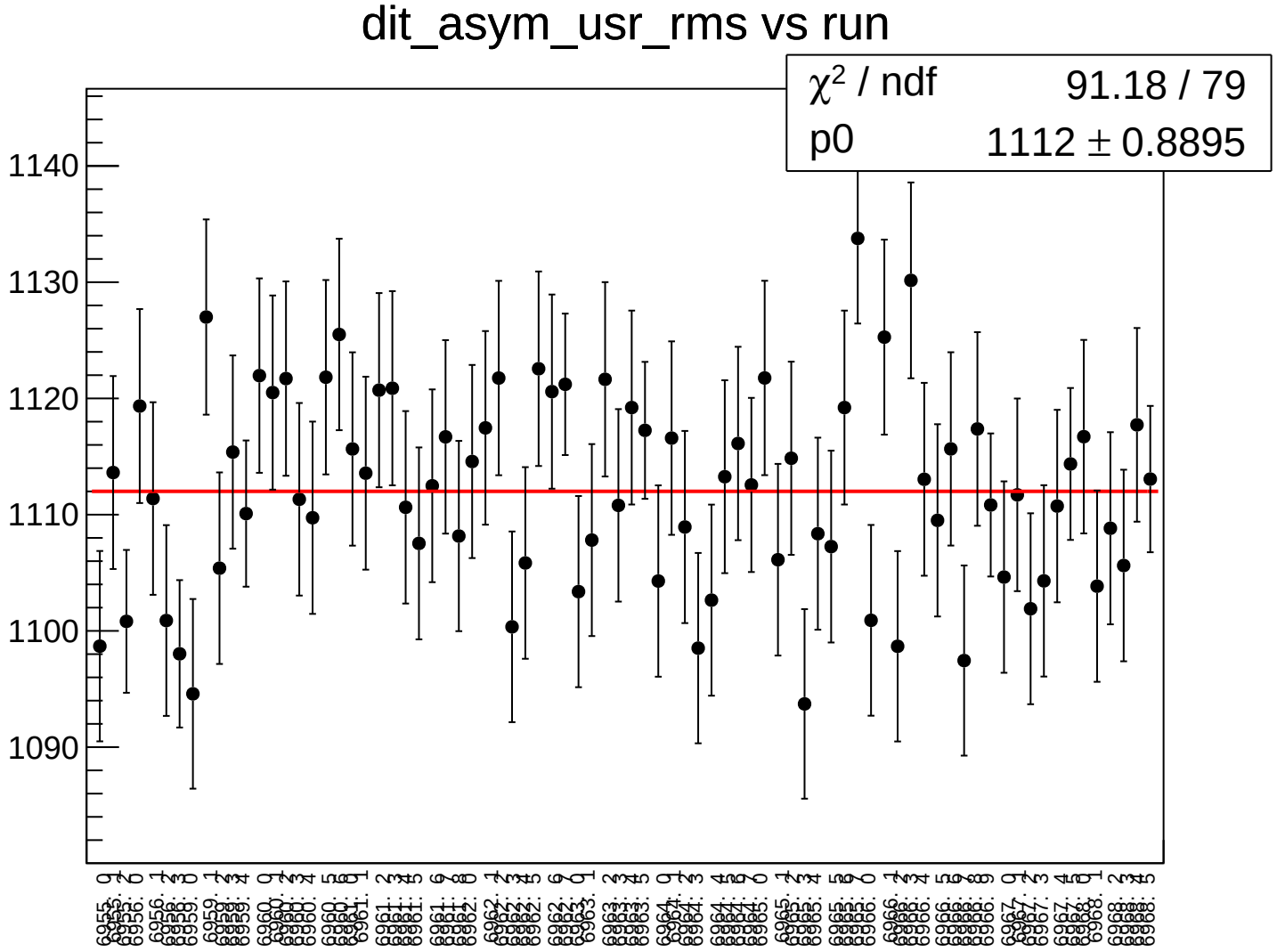
asym_usl_correction_rms vs run

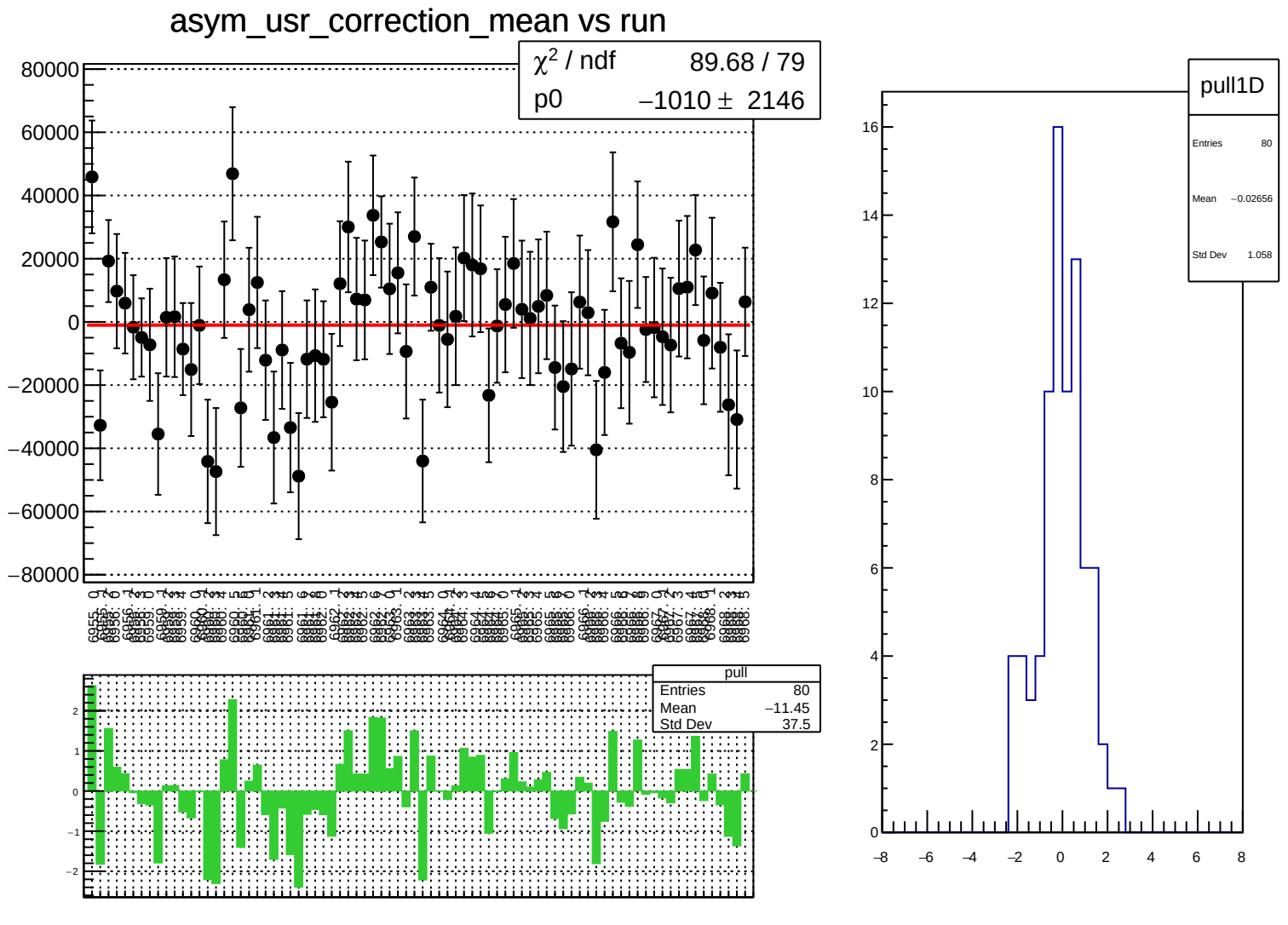


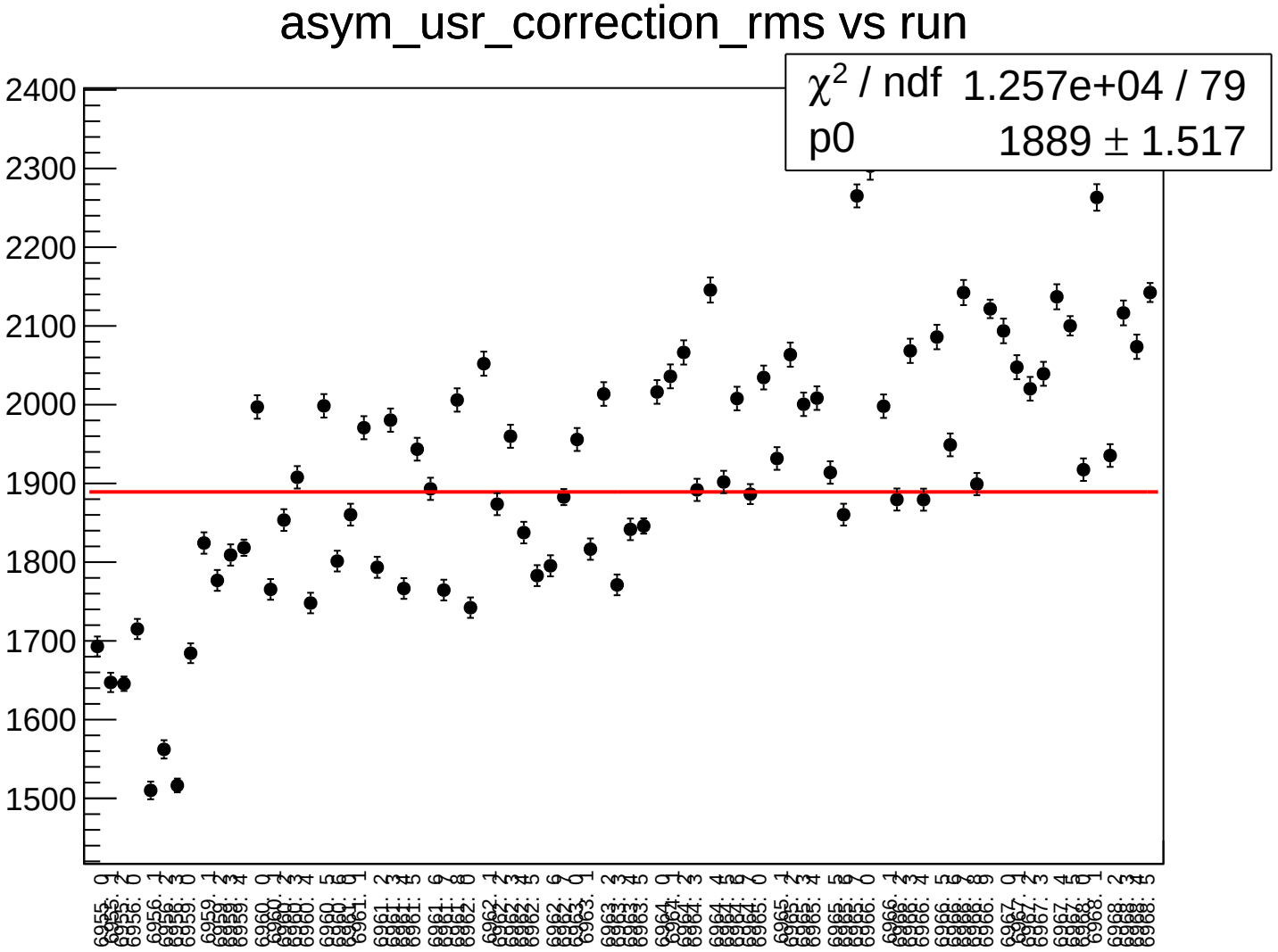

asym_usl_mean vs run
χ² / ndf 78.89 / 79
p0 452.5 ± 2376
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 108
Std Dev 50.35
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01311
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

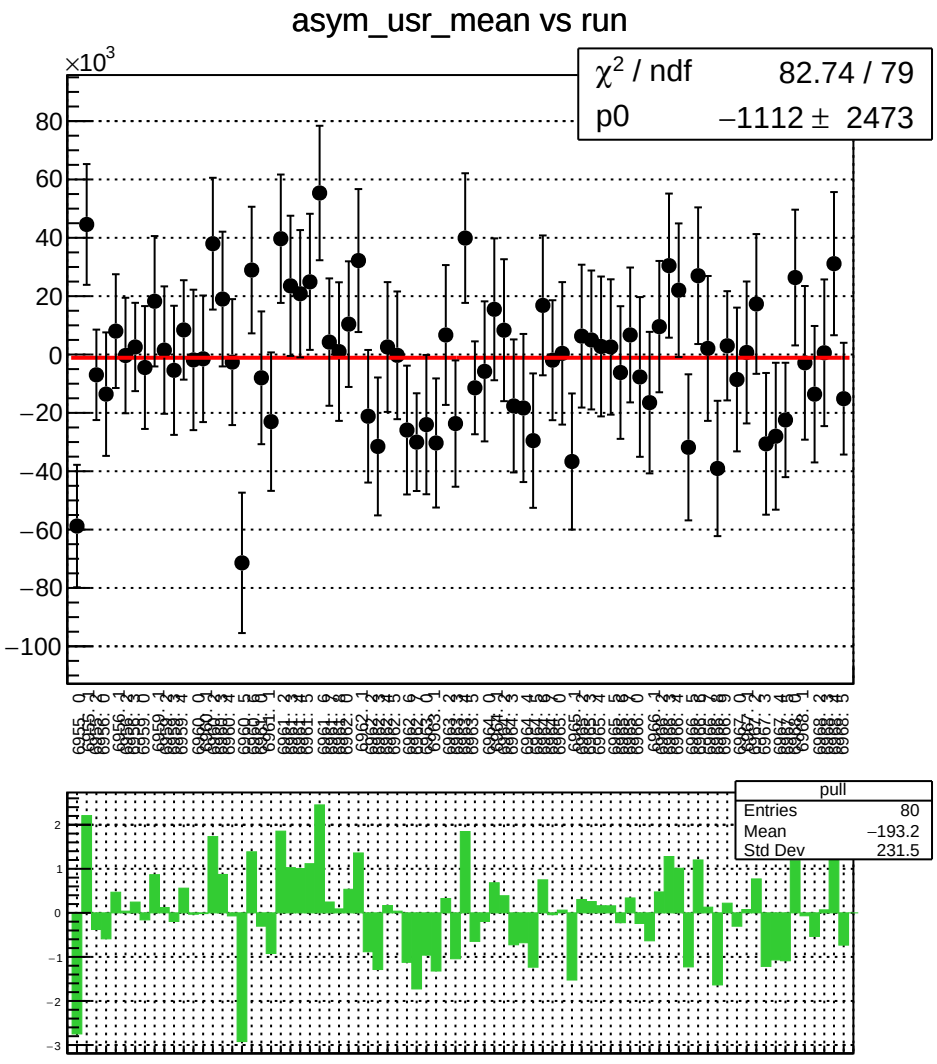

asym_usl_rms vs run
χ² / ndf 3952 / 79
p0 2098 ± 1.68
2500
2400
2300
2200
2100
2000
1900

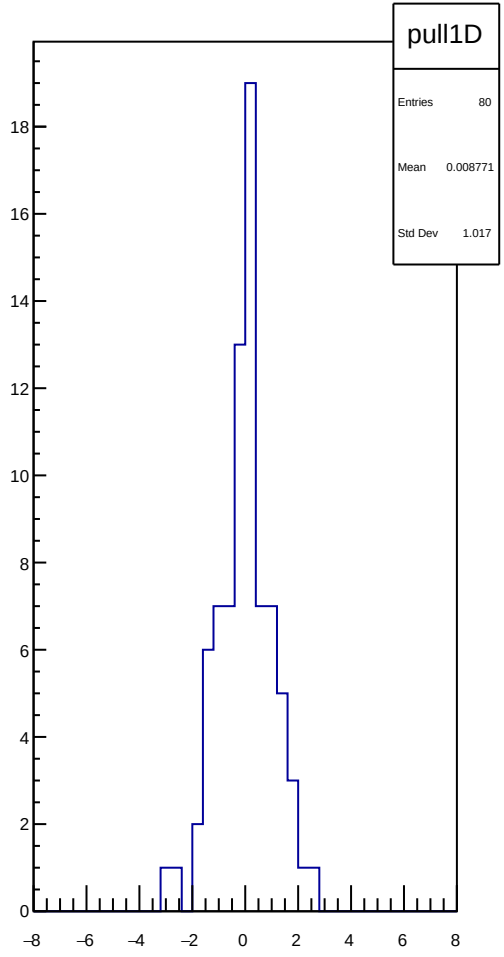

dit_asym_usr_mean vs run
χ² / ndf 79.02 / 79
p0 −2595 ± 1258
pull
Entries 80
Mean 277
Std Dev 225.1
pull1D
Entries 80
Mean −0.006831
Std Dev 0.9938

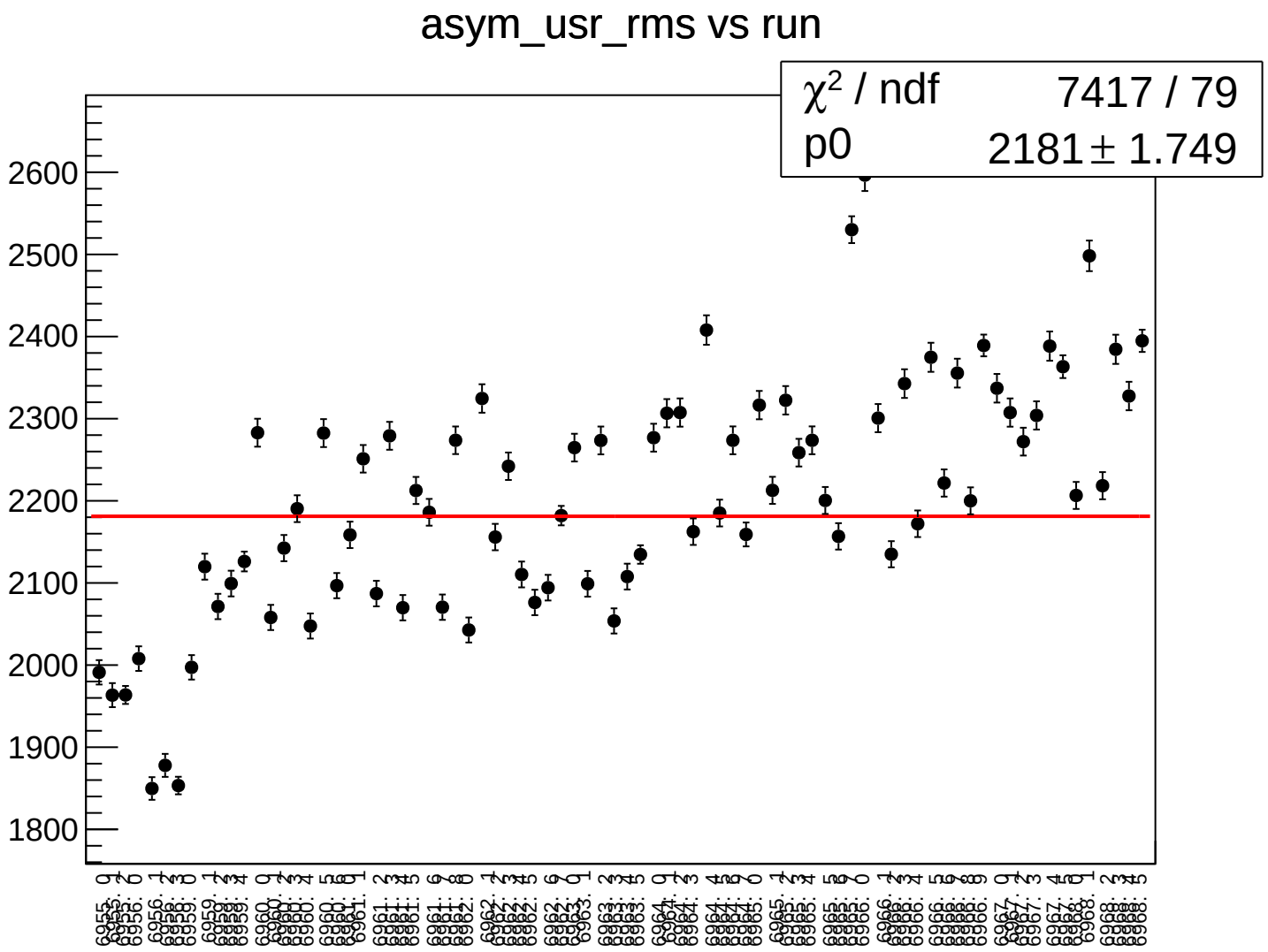

dit_asym_usr_rms vs run
χ² / ndf 91.18 / 79
p0 1112 ± 0.8895
1140
1130
1120
1110
1100
1090

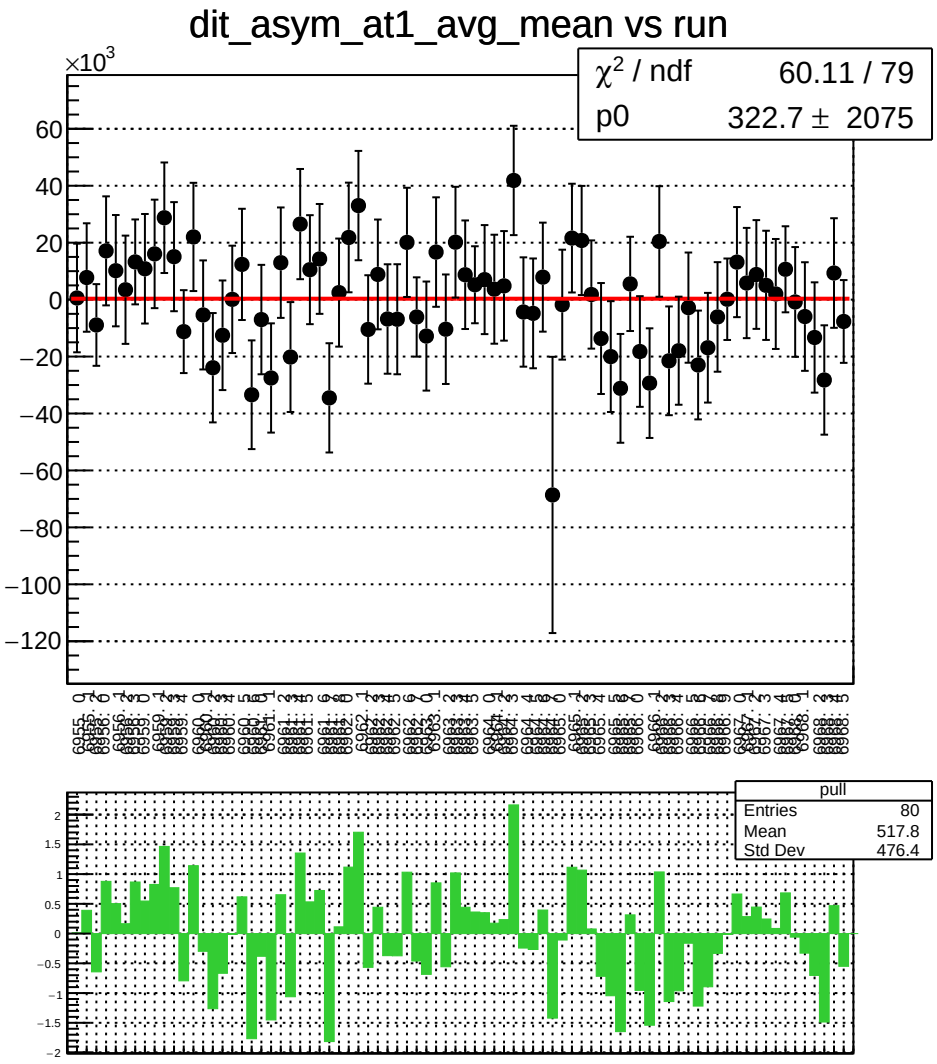

asym_usr_correction_mean vs run
χ² / ndf 89.68 / 79
p0 −1010 ± 2146
pull
Entries 80
Mean −11.45
Std Dev 37.5
pull1D
Entries 80
Mean −0.02656
Std Dev 1.058

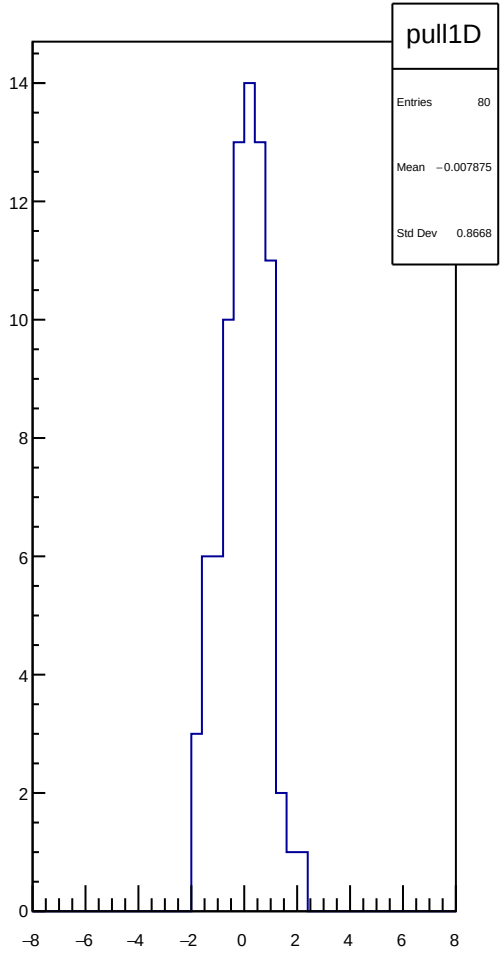

asym_usr_correction_rms vs run
χ^2 / ndf 1.257e+04 / 79
p0 1889 ± 1.517
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500

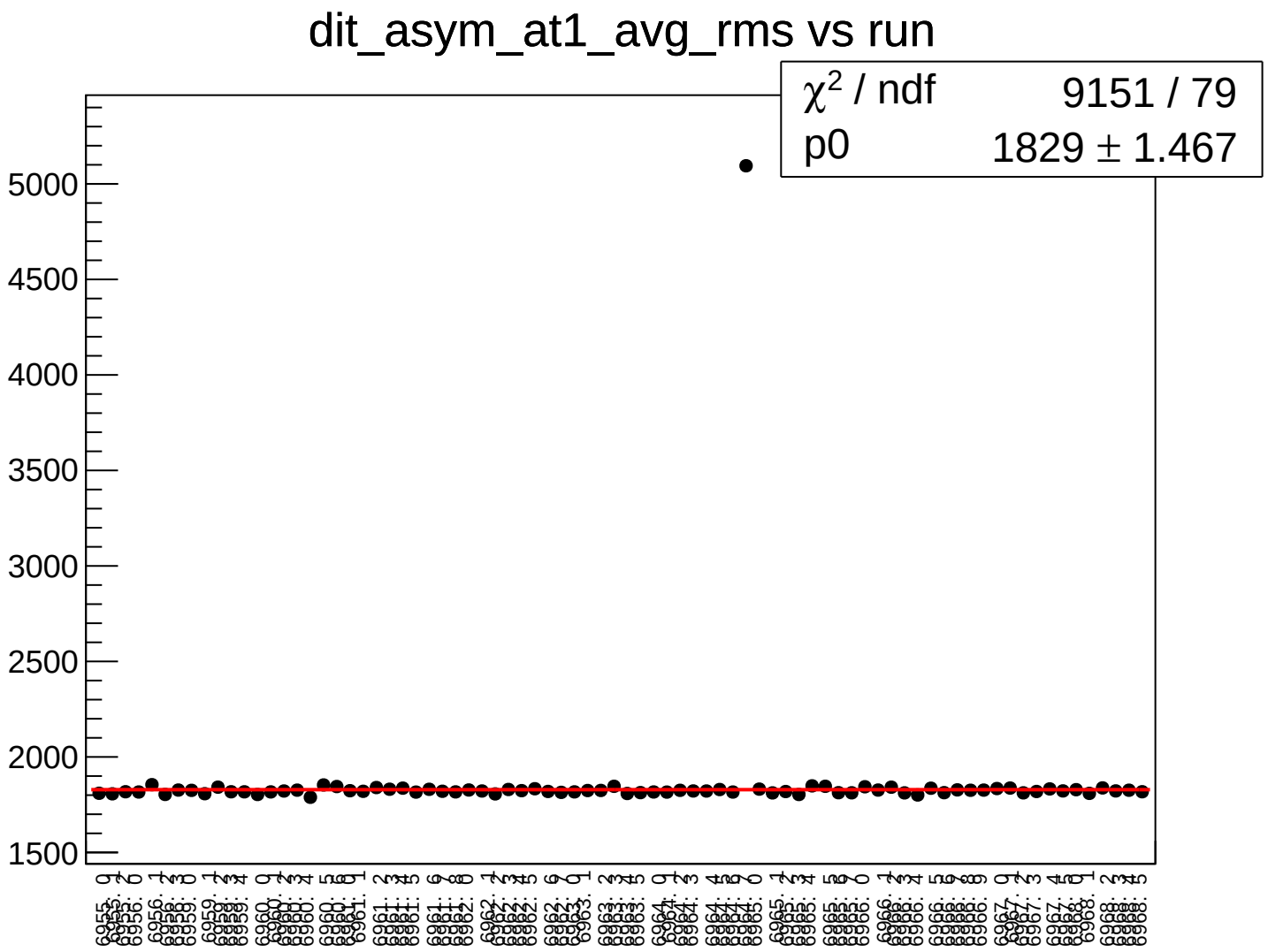

asym_usr_mean vs run
×10^3
χ² / ndf 82.74 / 79
p0 −1112 ± 2473
pull
Entries 80
Mean −193.2
Std Dev 231.5

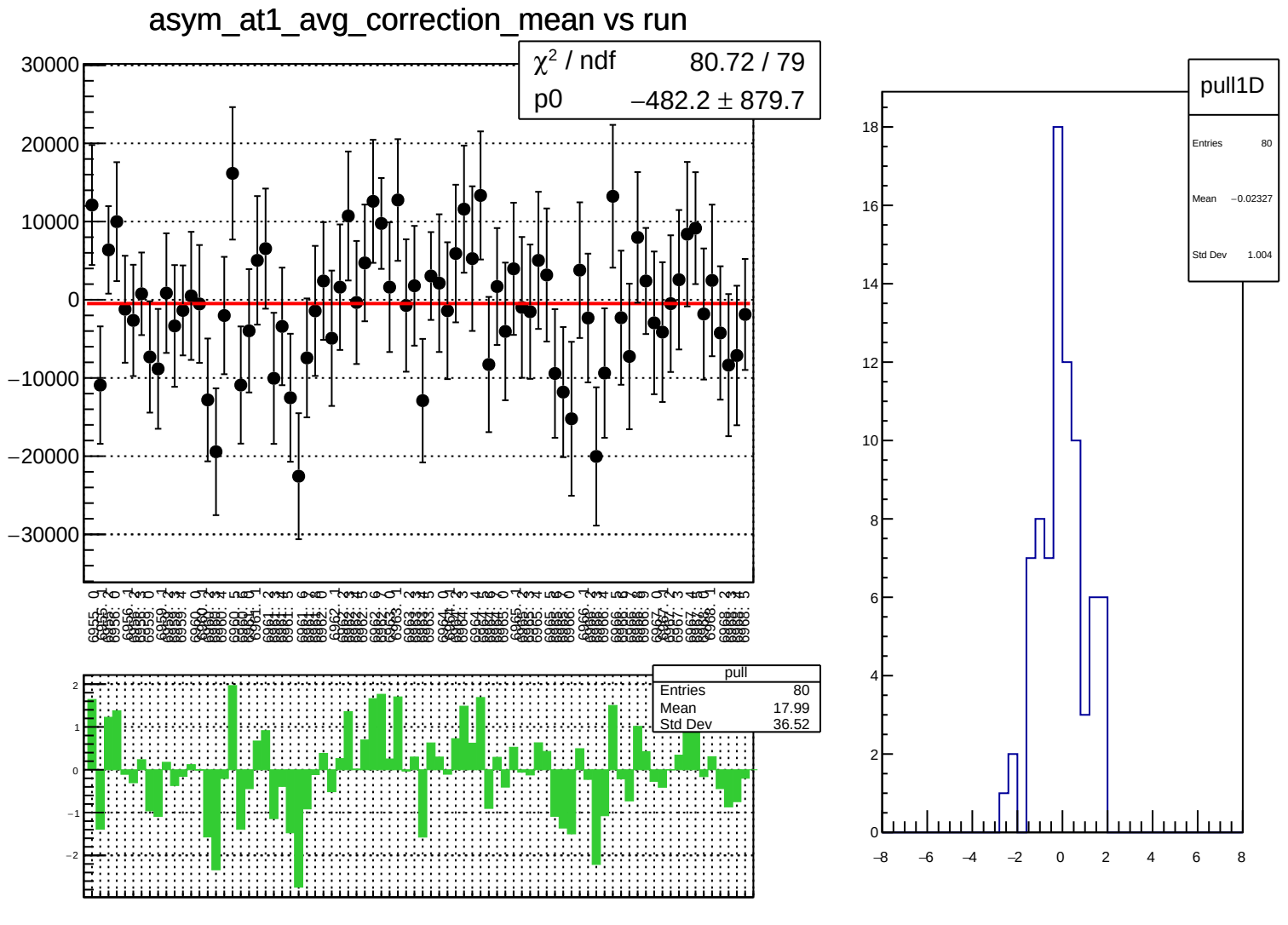

pull1D
Entries 80
Mean 0.008771
Std Dev 1.017

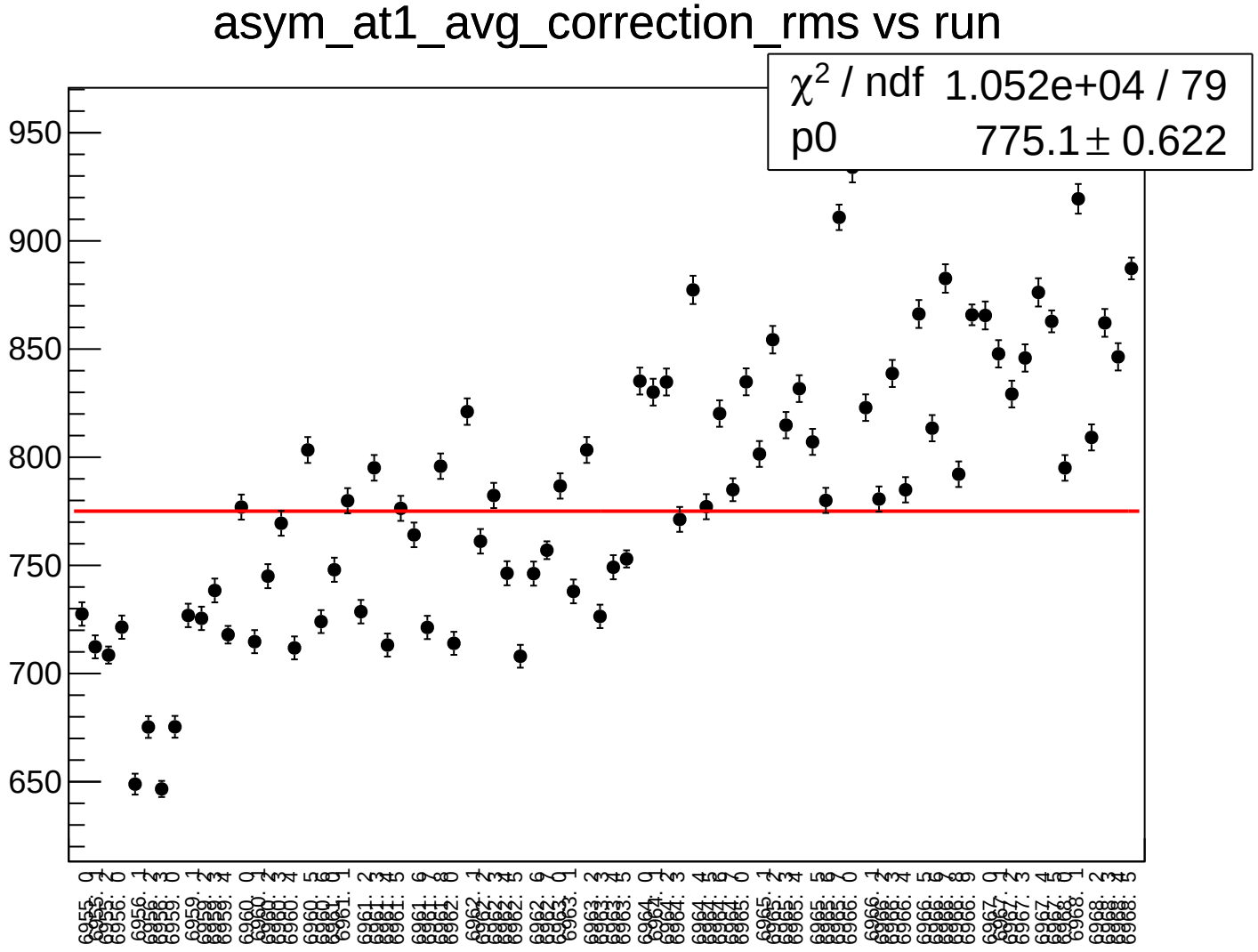

asym_usr_rms vs run
χ^2 / ndf 7417 / 79
p0 2181 ± 1.749
2600
2500
2400
2300
2200
2100
2000
1900
1800

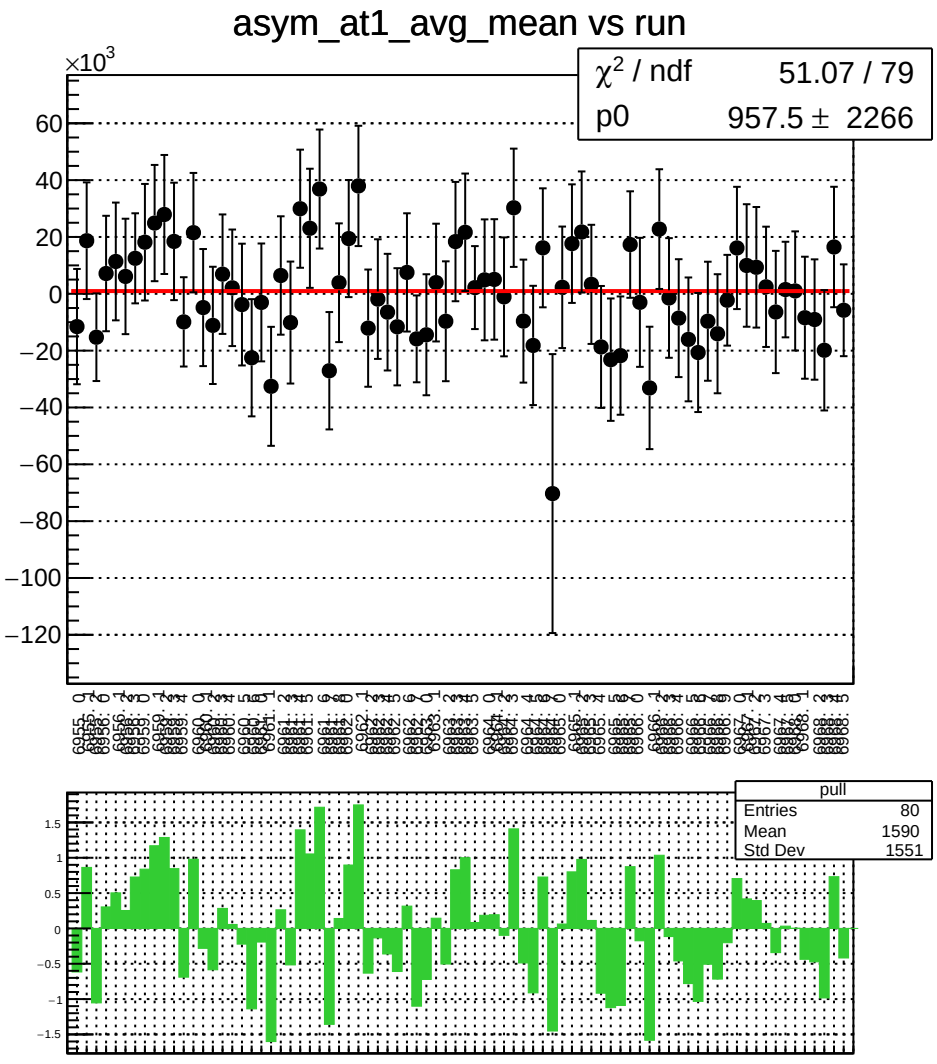

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 60.11 / 79
p0 322.7 ± 2075
pull
Entries 80
Mean 517.8
Std Dev 476.4

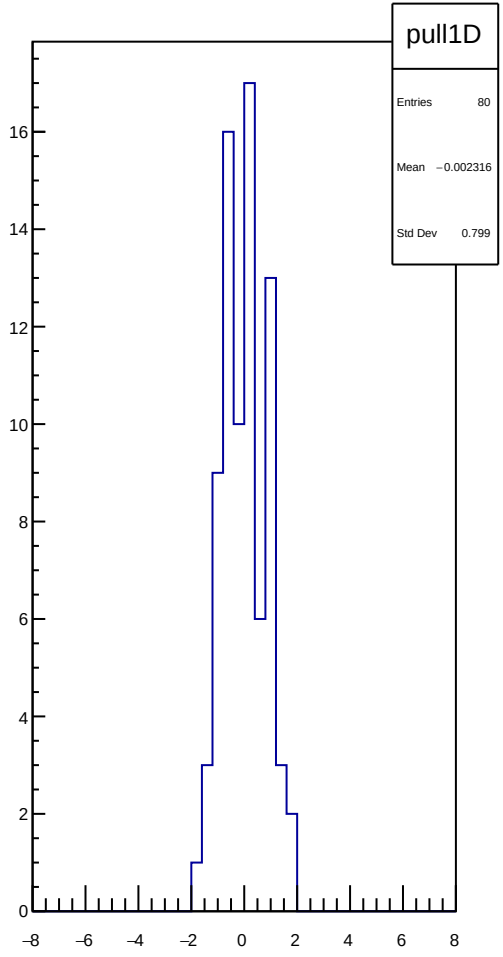

pull1D
Entries 80
Mean −0.007875
Std Dev 0.8668

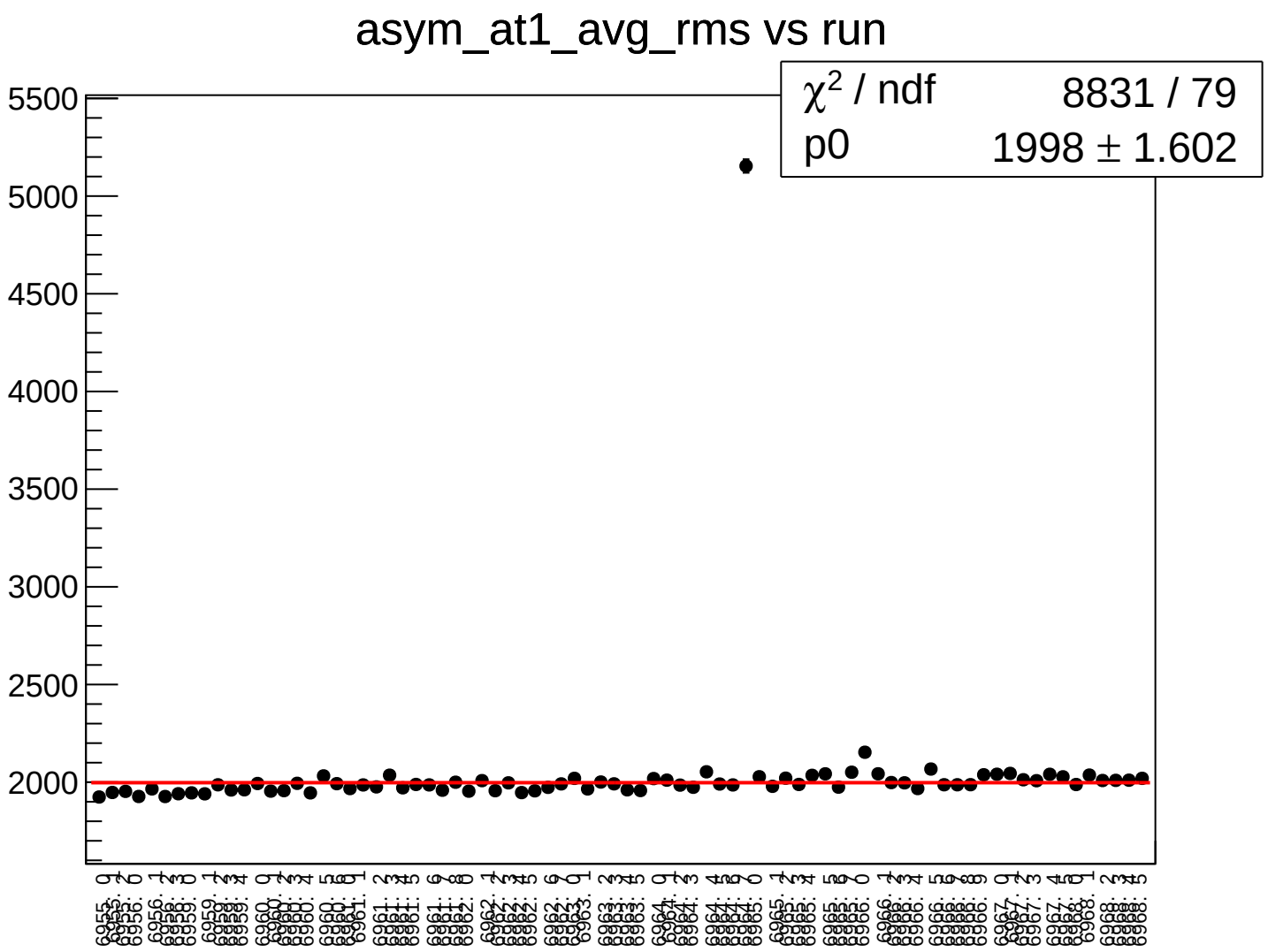

dit_asym_at1_avg_rms vs run
χ² / ndf 9151 / 79
p0 1829 ± 1.467
5000
4500
4000
3500
3000
2500
2000
1500

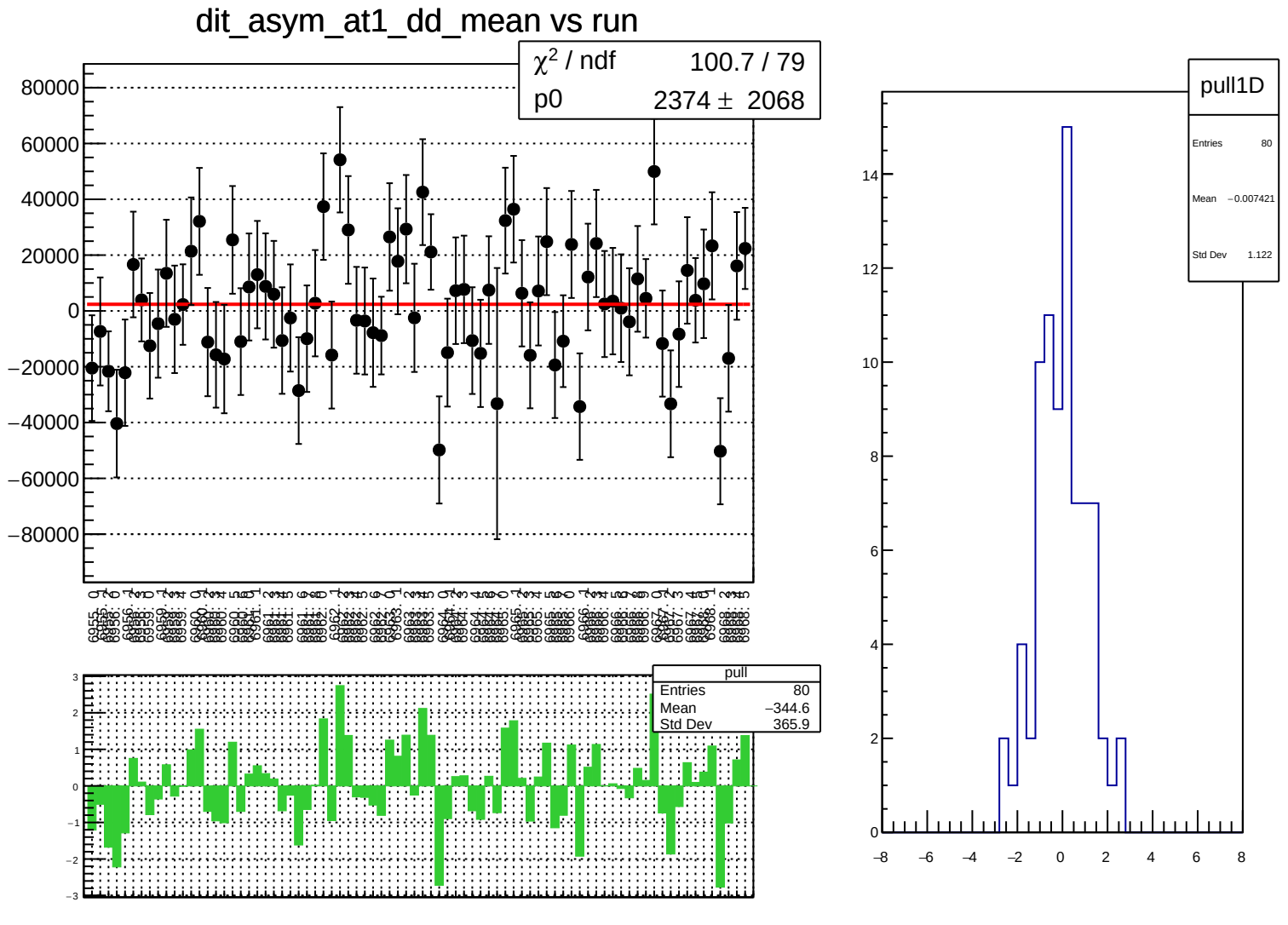

asym_at1_avg_correction_mean vs run
χ² / ndf 80.72 / 79
p0 −482.2 ± 879.7
pull
Entries 80
Mean 17.99
Std Dev 36.52
pull1D
Entries 80
Mean −0.02327
Std Dev 1.004

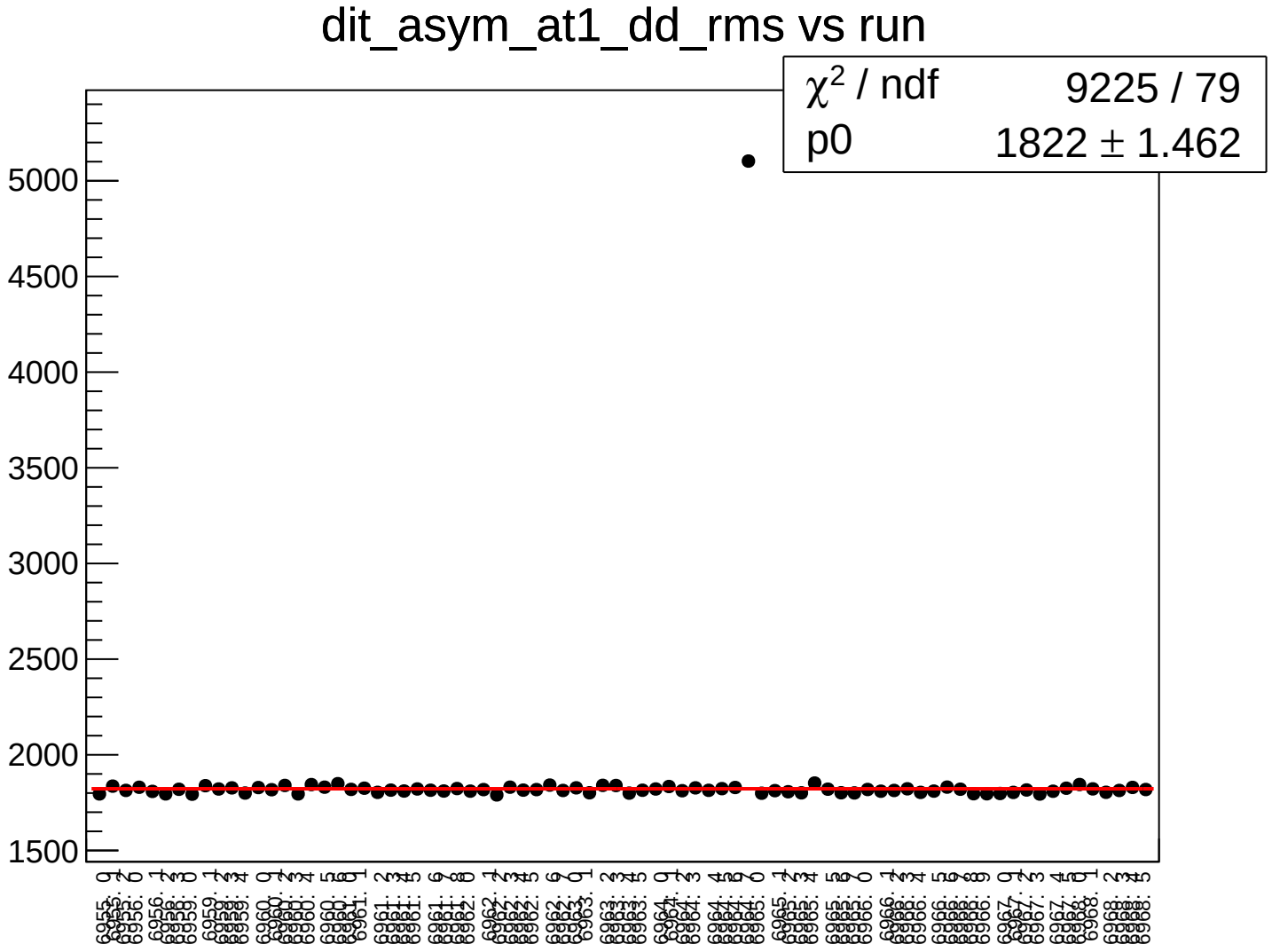

asym_at1_avg_correction_rms vs run
χ^2 / ndf 1.052e+04 / 79
p0 775.1 ± 0.622
950
900
850
800
750
700
650

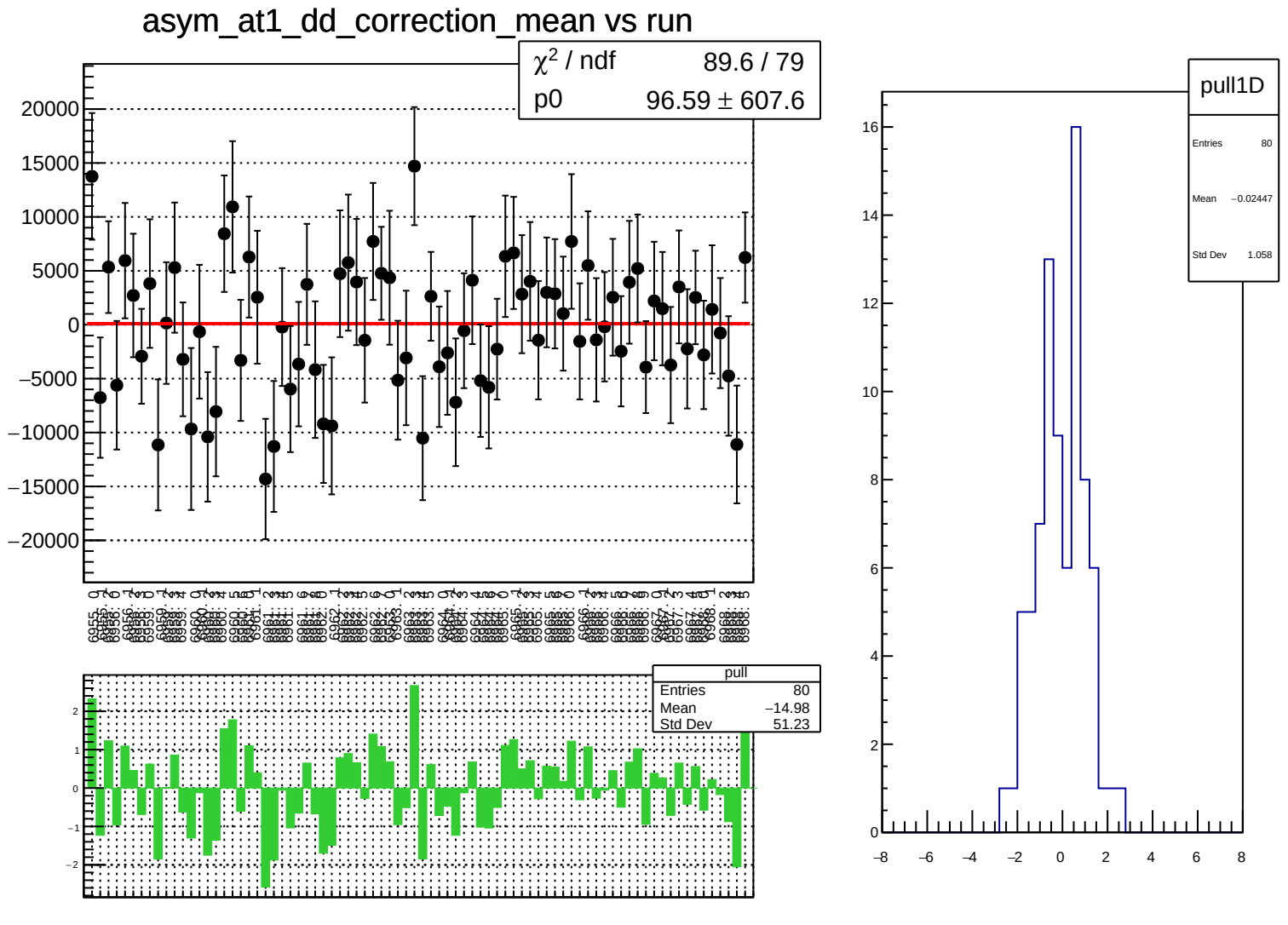

asym_at1_avg_mean vs run
×10^3
χ² / ndf 51.07 / 79
p0 957.5 ± 2266
pull
Entries 80
Mean 1590
Std Dev 1551


pull1D
Entries 80
Mean −0.002316
Std Dev 0.799

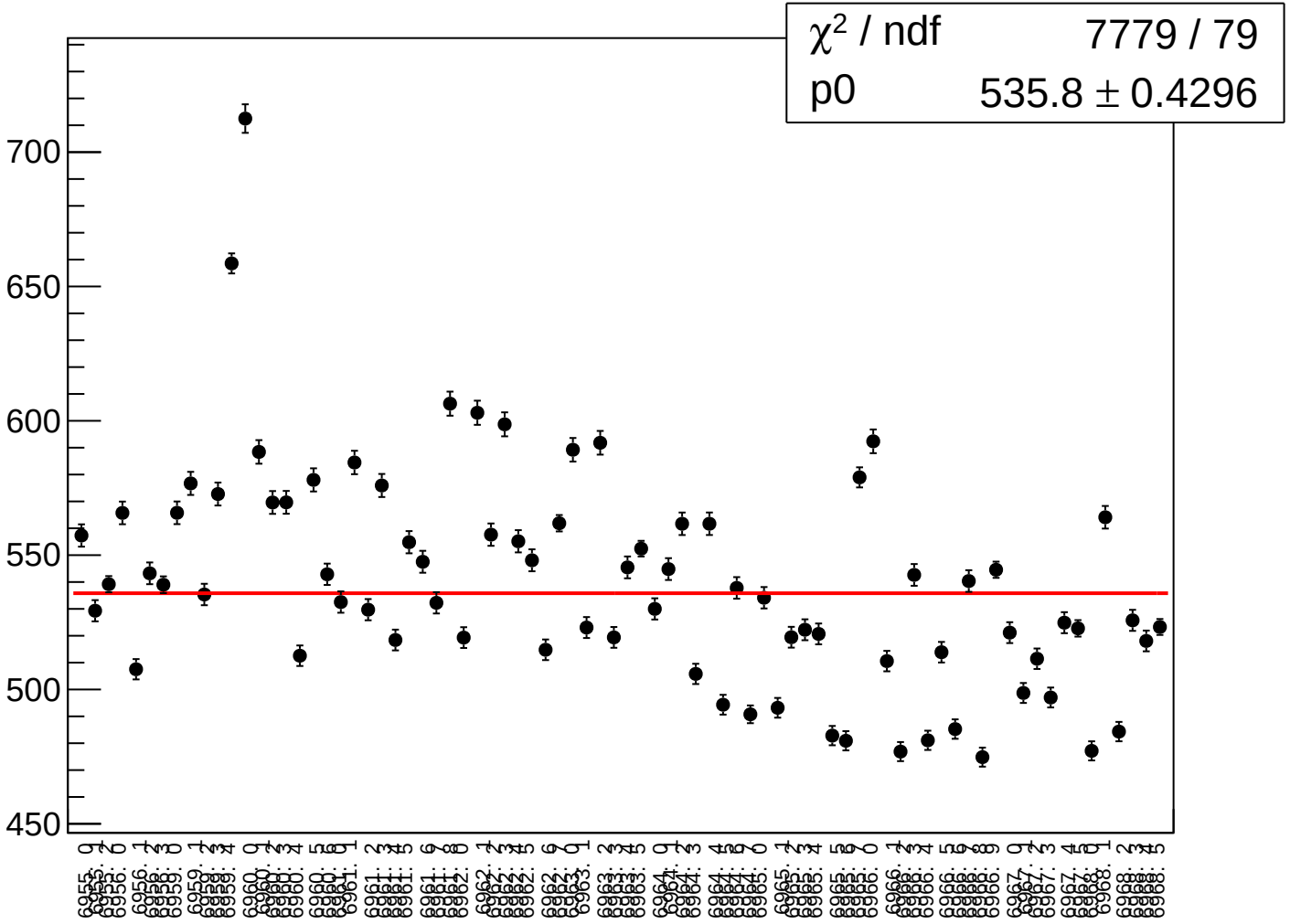

asym_at1_avg_rms vs run
χ^2 / ndf 8831 / 79
p0 1998 ± 1.602
5500
5000
4500
4000
3500
3000
2500
2000

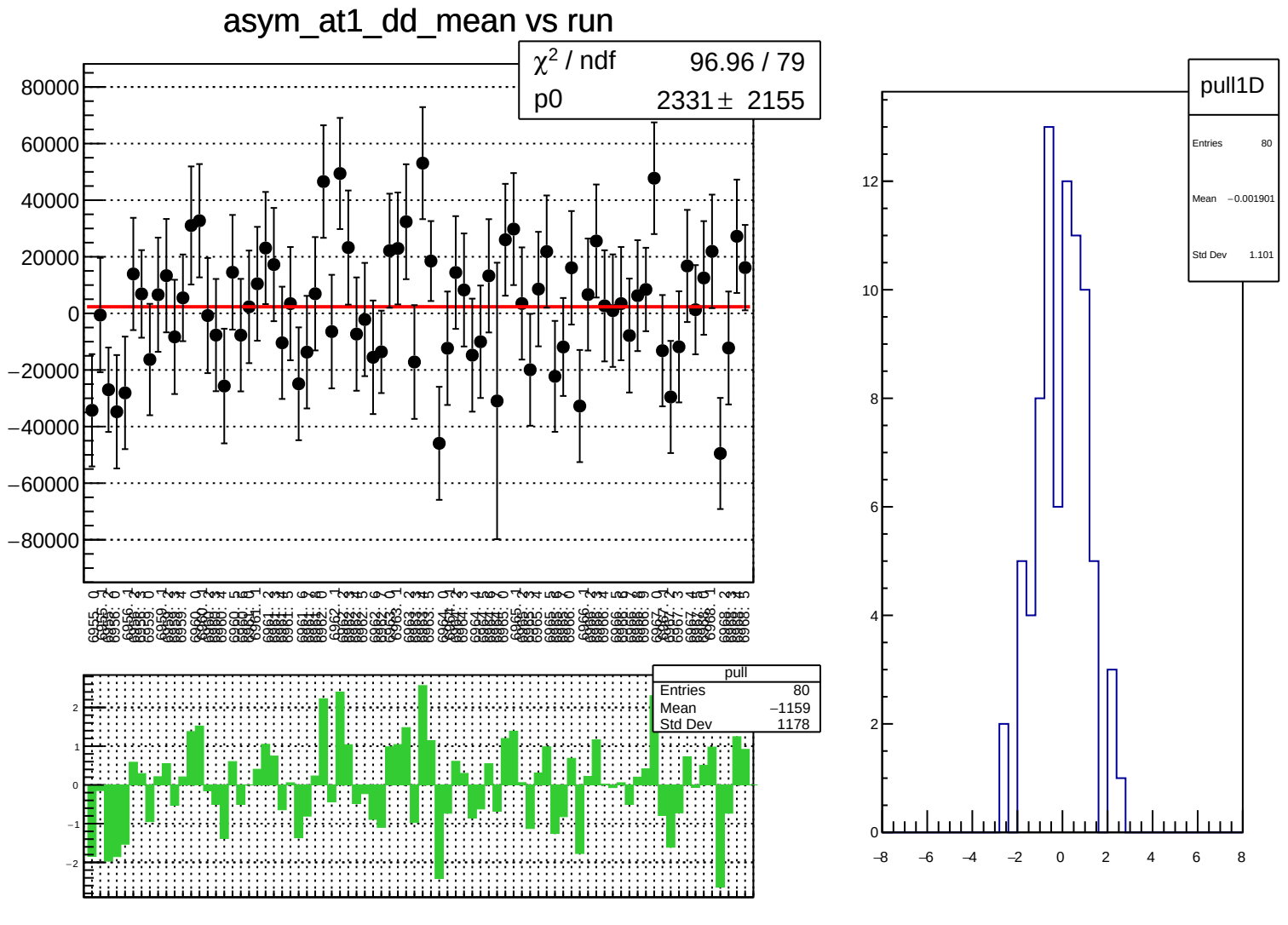

dit_asym_at1_dd_mean vs run
χ² / ndf 100.7 / 79
p0 2374 ± 2068
pull
Entries 80
Mean −344.6
Std Dev 365.9
pull1D
Entries 80
Mean −0.007421
Std Dev 1.122


dit_asym_at1_dd_rms vs run
χ2 / ndf 9225 / 79
p0 1822 ± 1.462
5000
4500
4000
3500
3000
2500
2000
1500

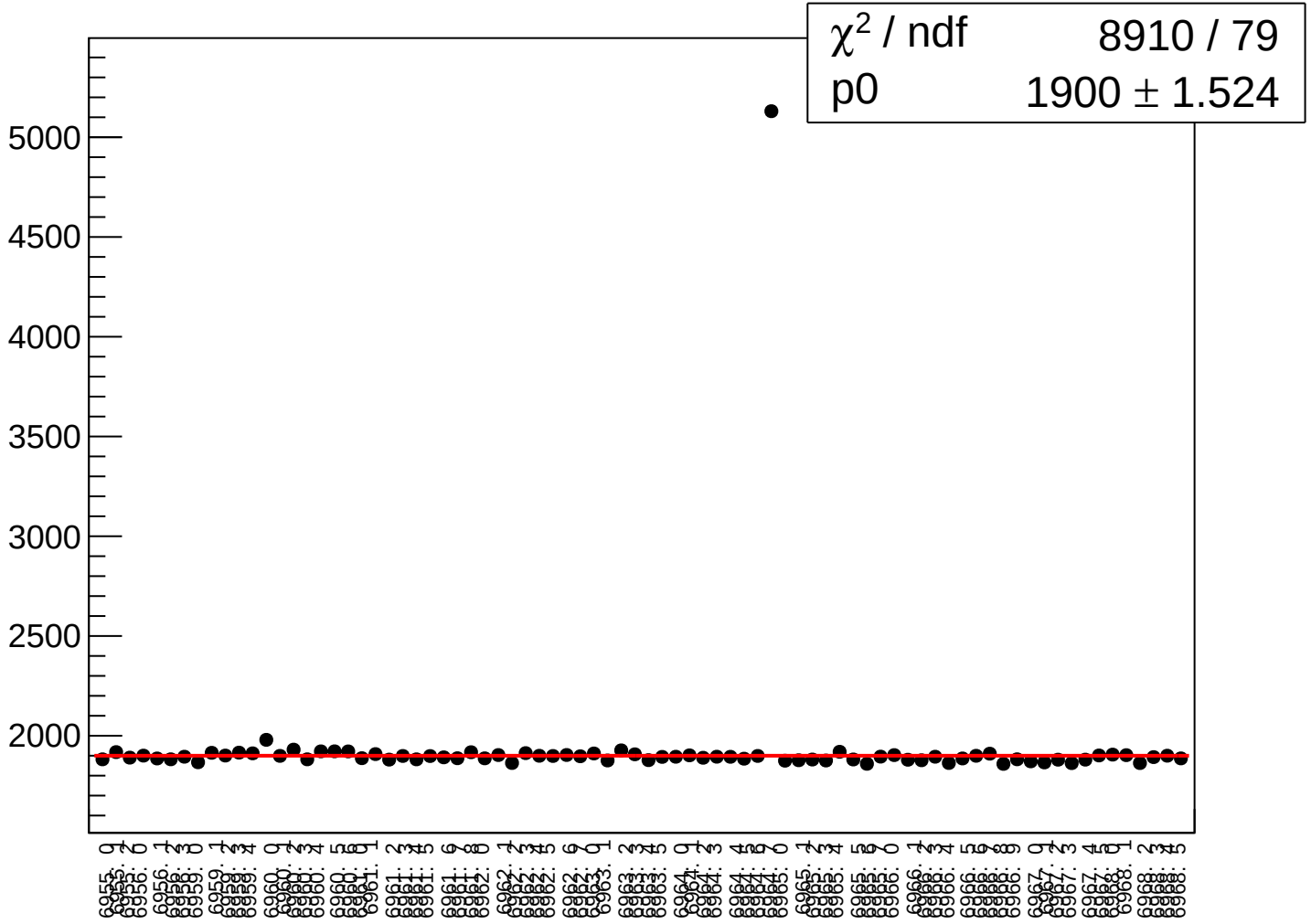

asym_at1_dd_correction_mean vs run
χ² / ndf 89.6 / 79
p0 96.59 ± 607.6
pull
Entries 80
Mean −14.98
Std Dev 51.23
pull1D
Entries 80
Mean −0.02447
Std Dev 1.058

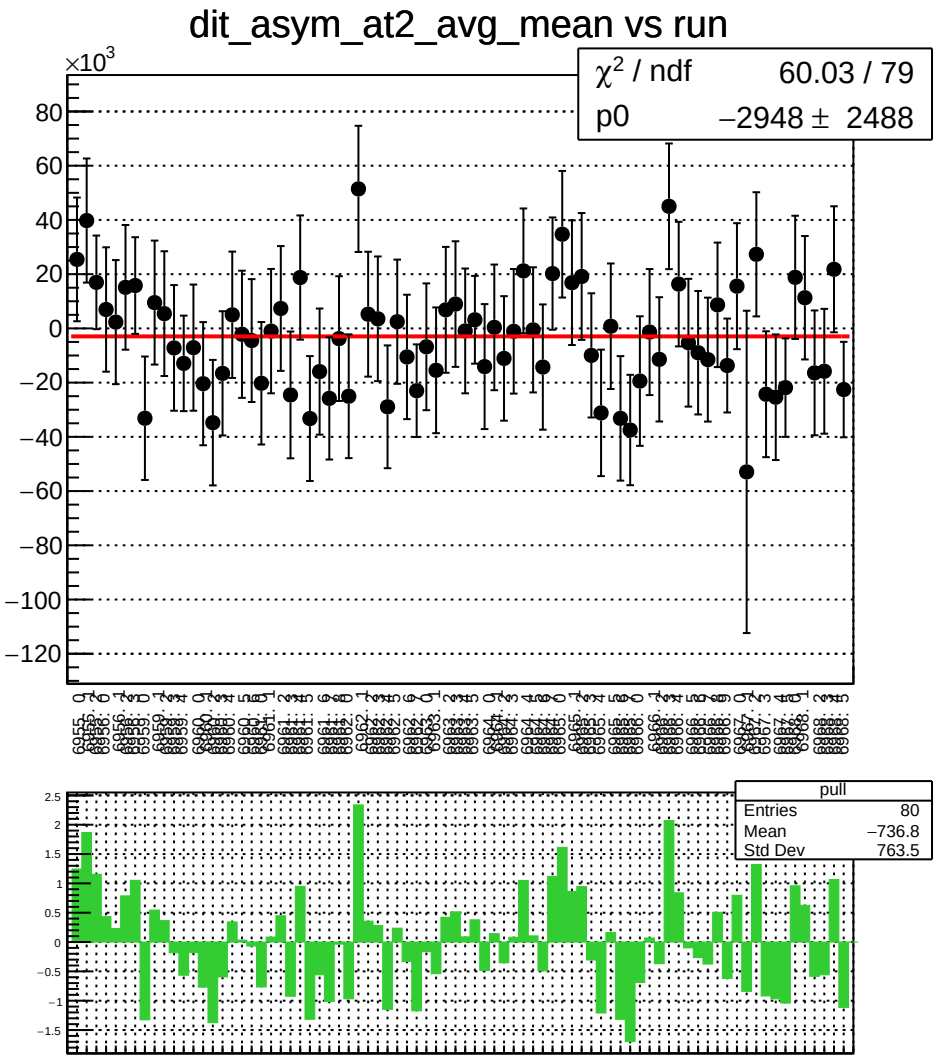
asym_at1_dd_correction_rms vs run

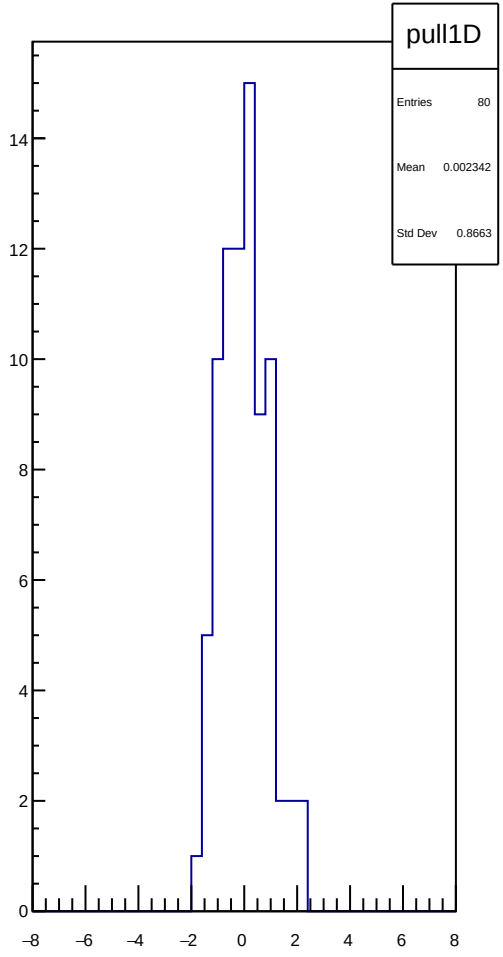



asym_at1_dd_mean vs run
χ² / ndf 96.96 / 79
p0 2331 ± 2155
pull
Entries 80
Mean −1159
Std Dev 1178
pull1D
Entries 80
Mean −0.001901
Std Dev 1.101

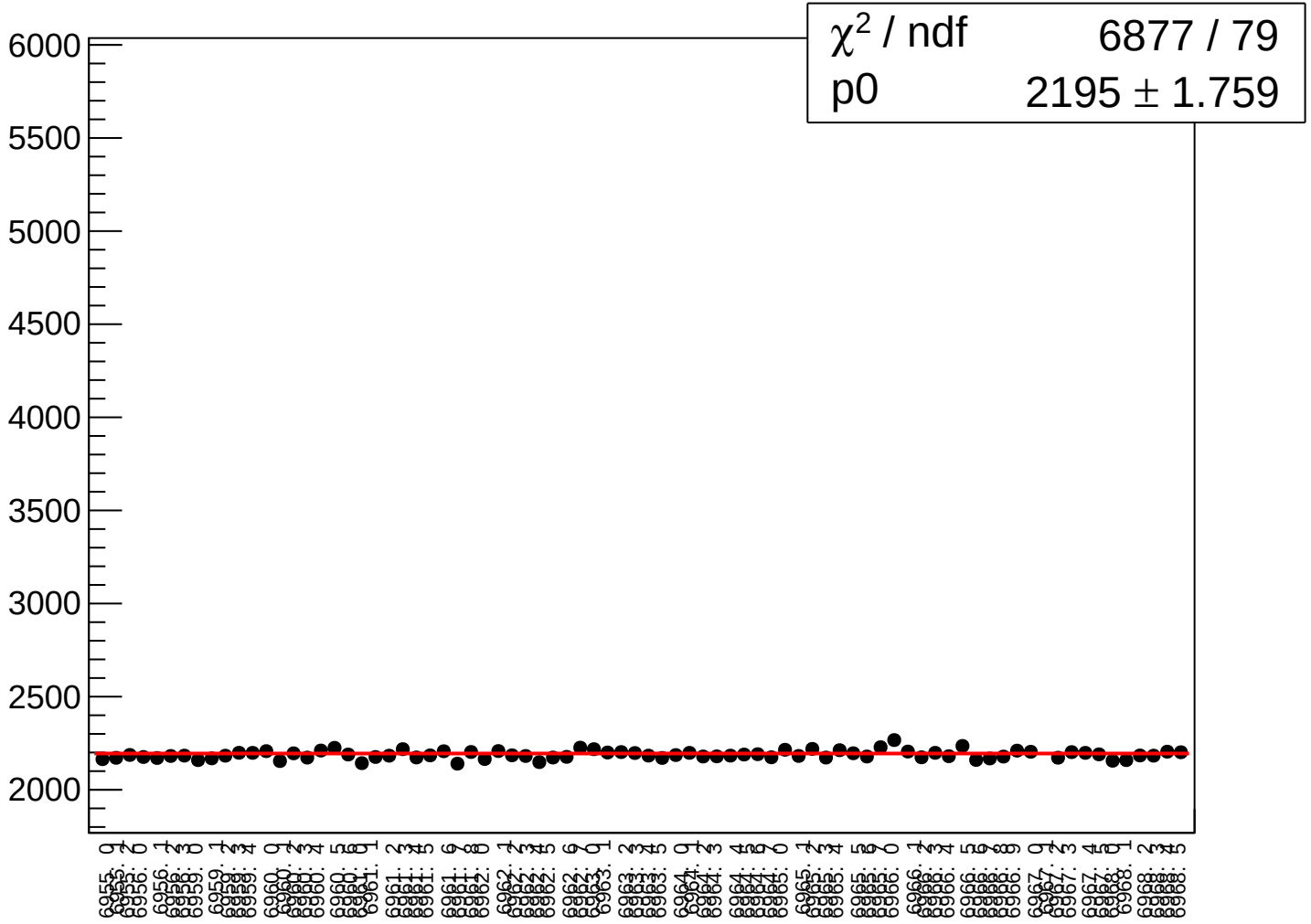
asym_at1_dd_rms vs run

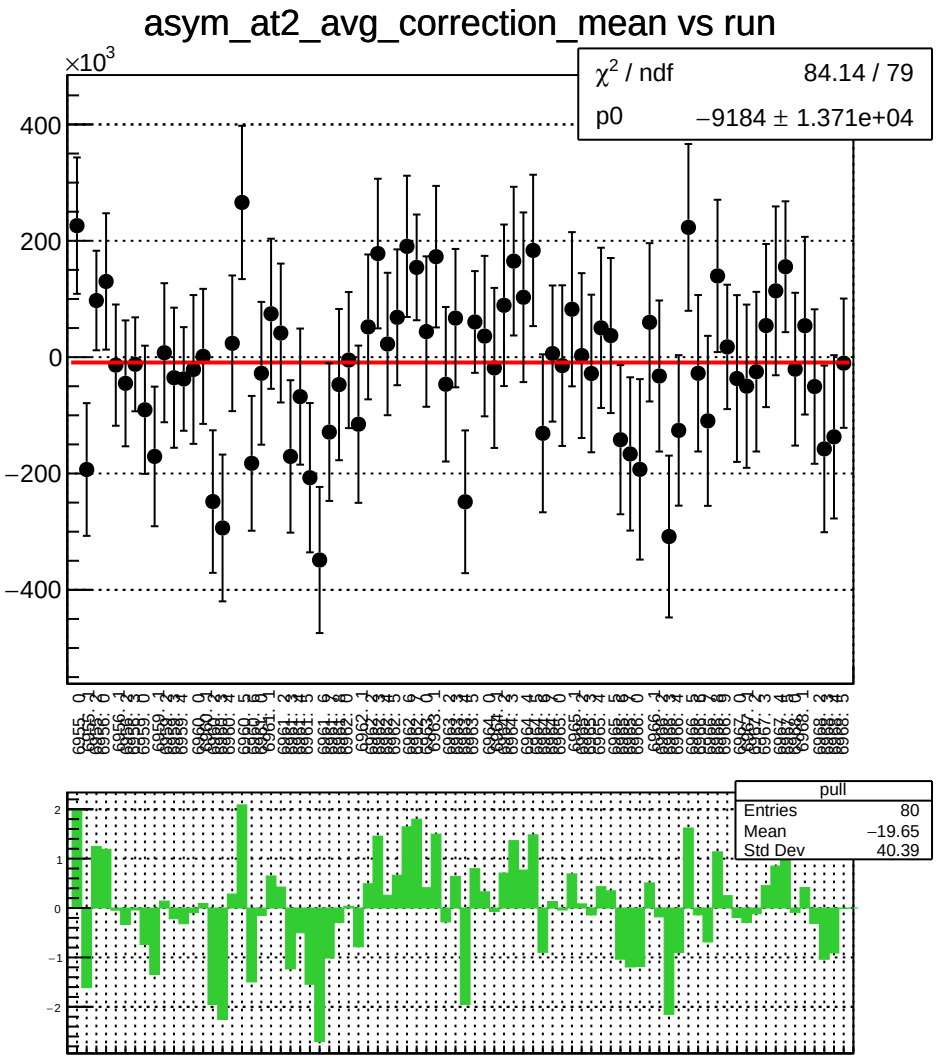


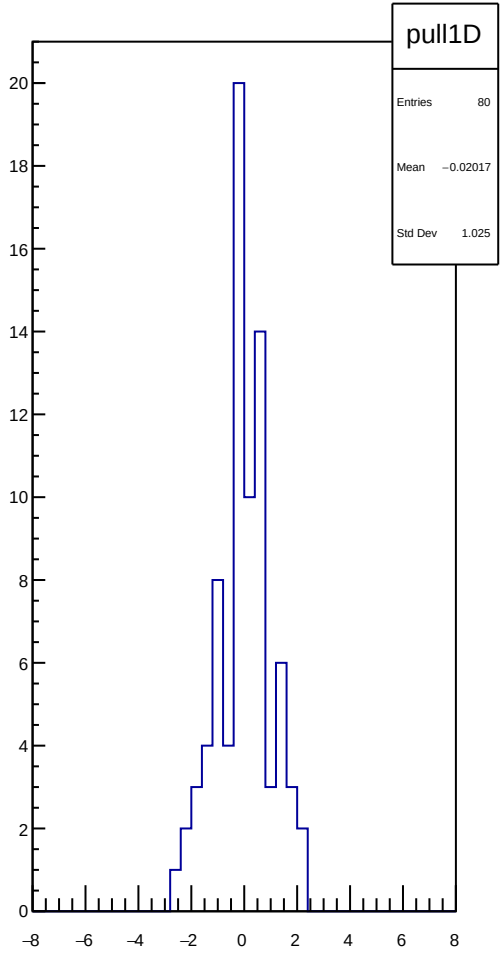

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 60.03 / 79
p0 −2948 ± 2488
pull
Entries 80
Mean −736.8
Std Dev 763.5


pull1D
Entries 80
Mean 0.002342
Std Dev 0.8663

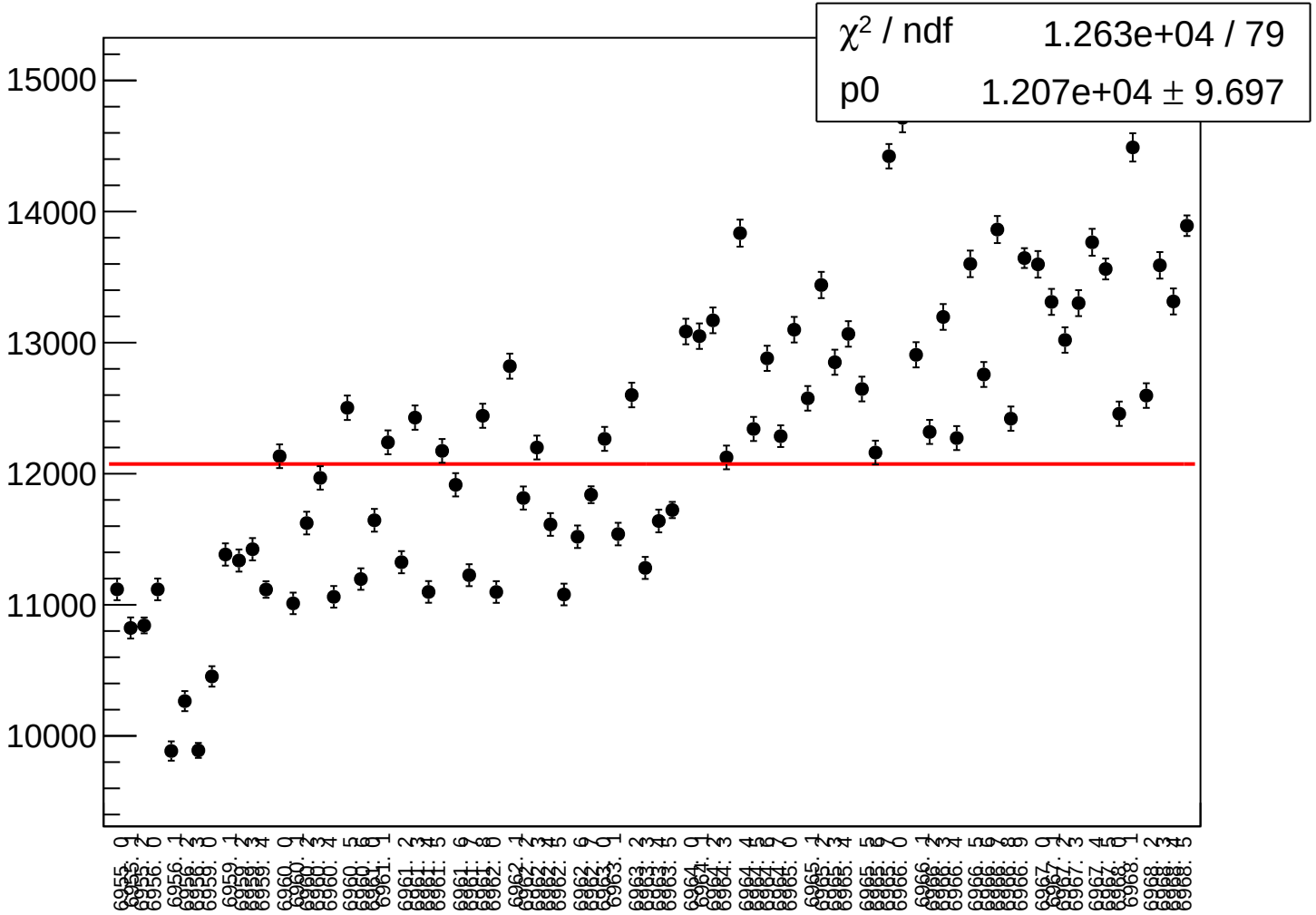
dit_asym_at2_avg_rms vs run

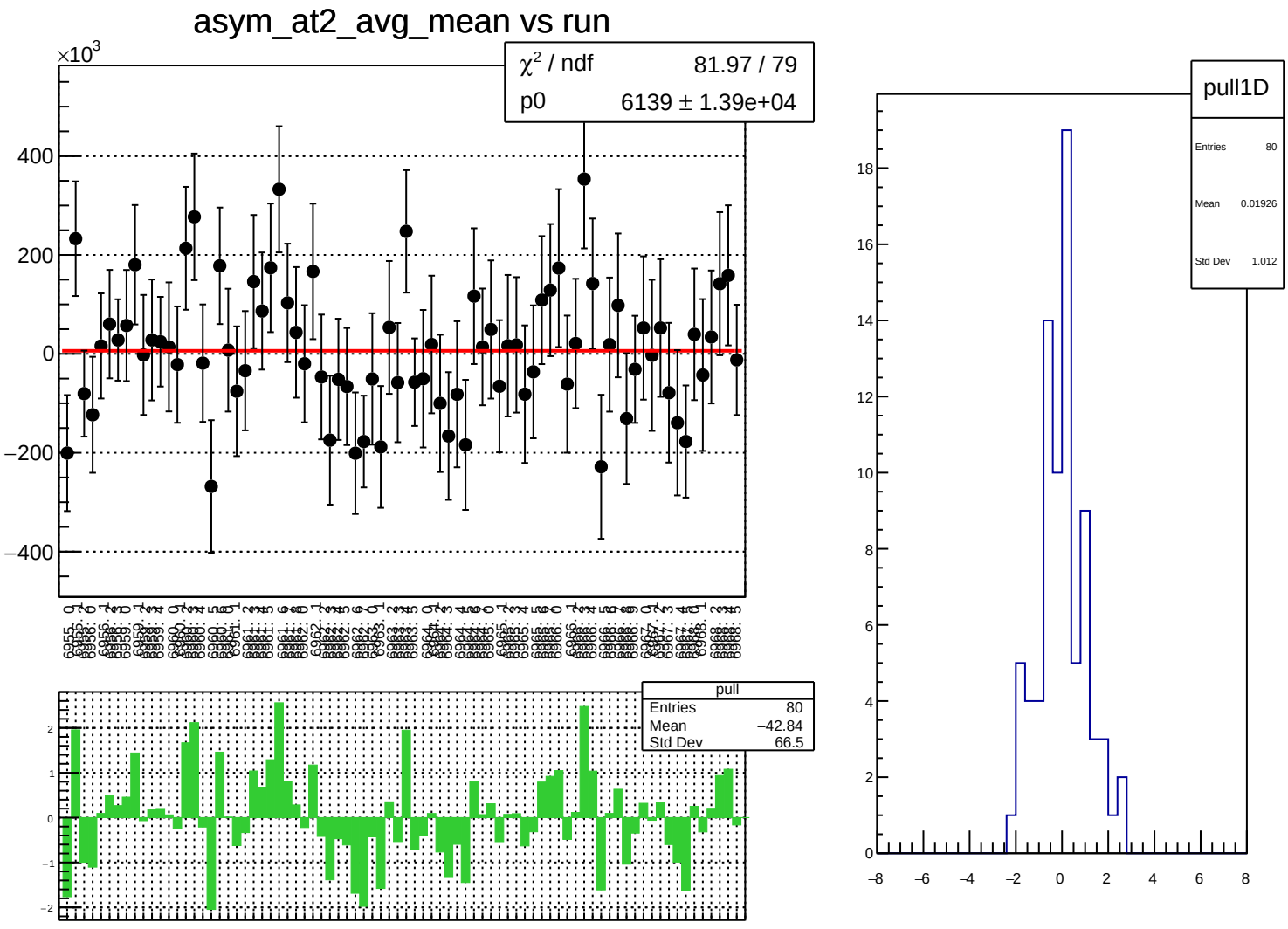


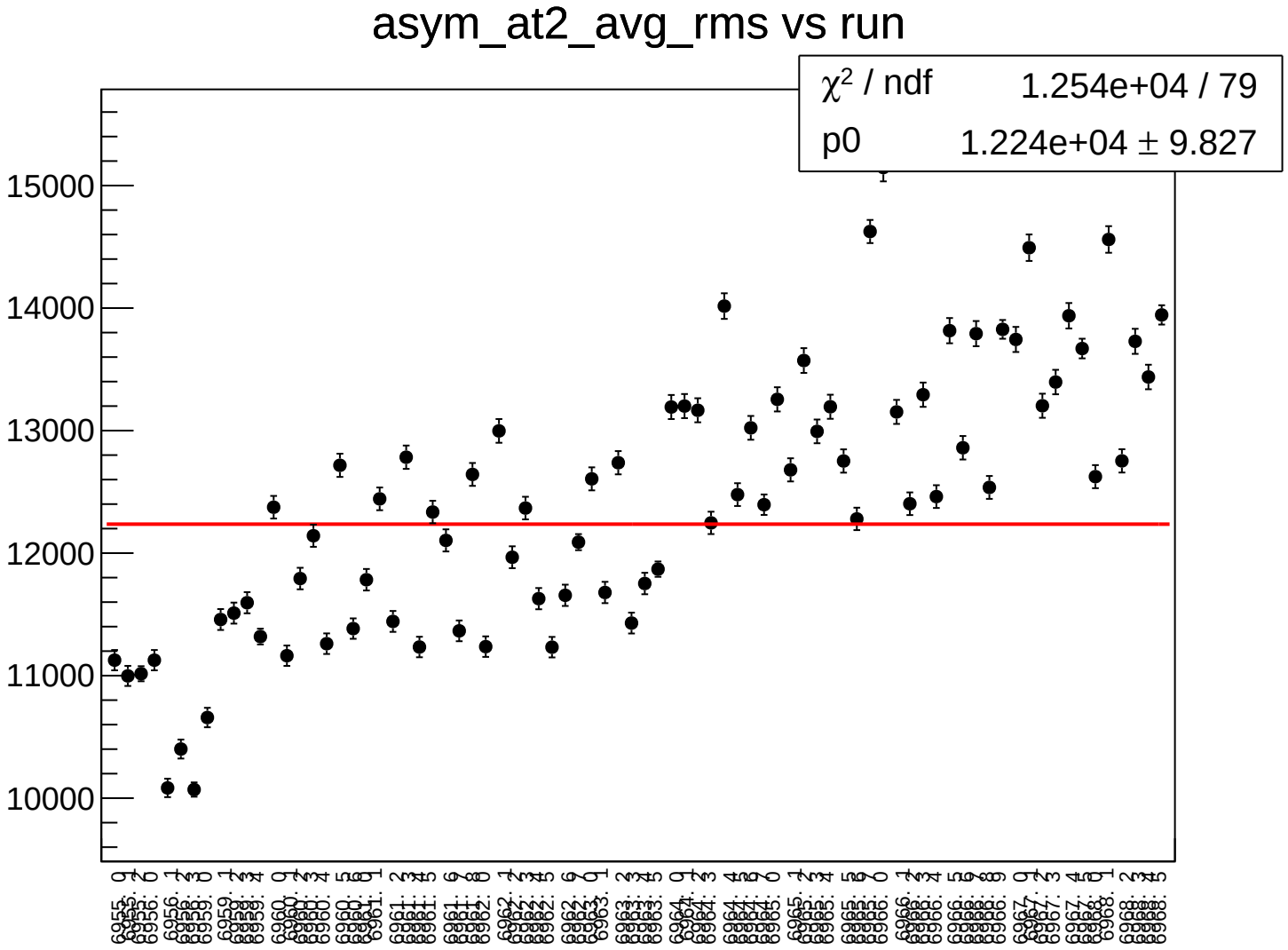

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 84.14 / 79
p0 −9184 ± 1.371e+04
pull
Entries 80
Mean −19.65
Std Dev 40.39

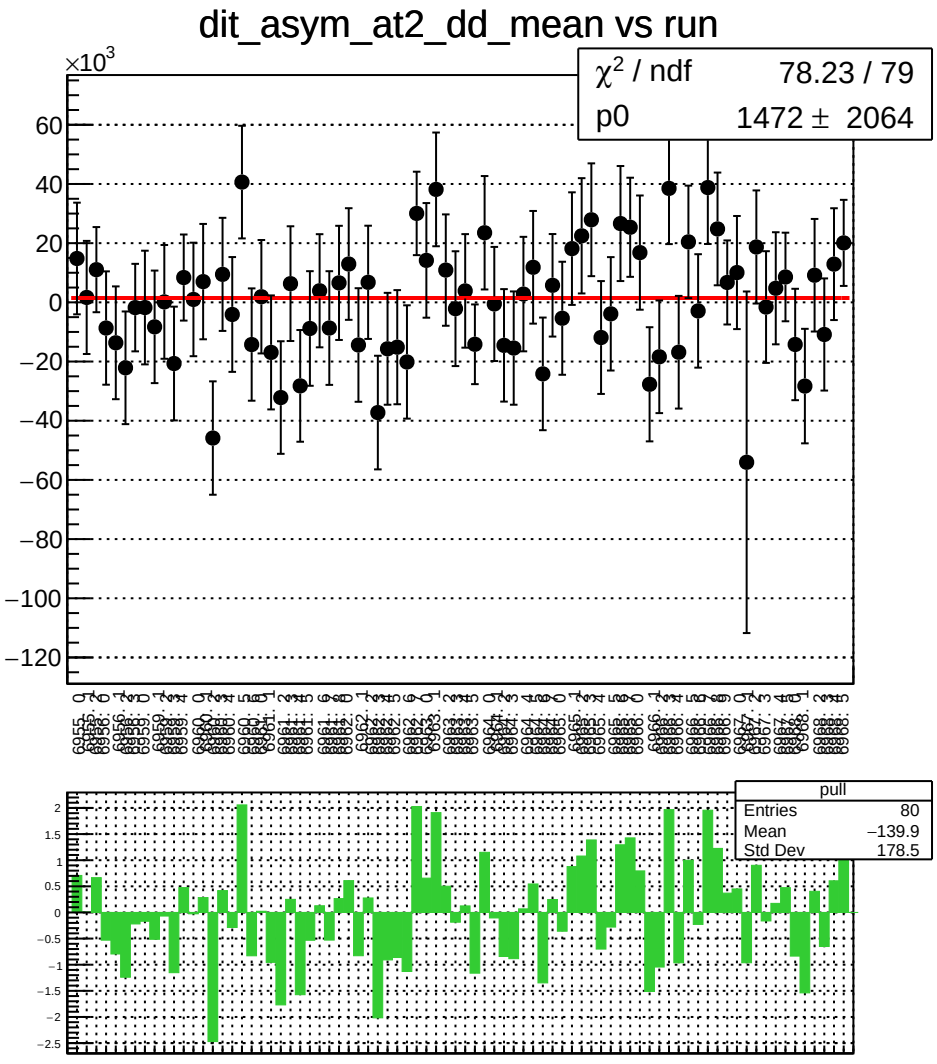

pull1D
Entries 80
Mean −0.02017
Std Dev 1.025

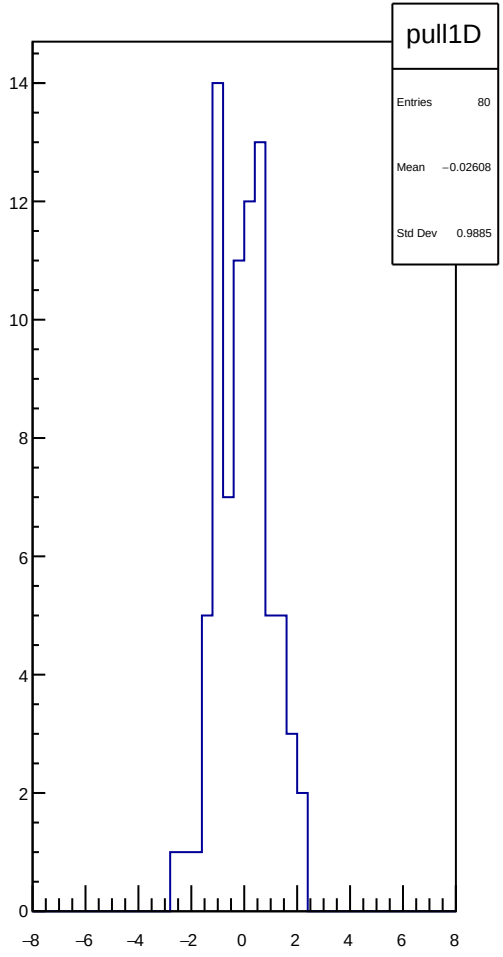
asym_at2_avg_correction_rms vs run



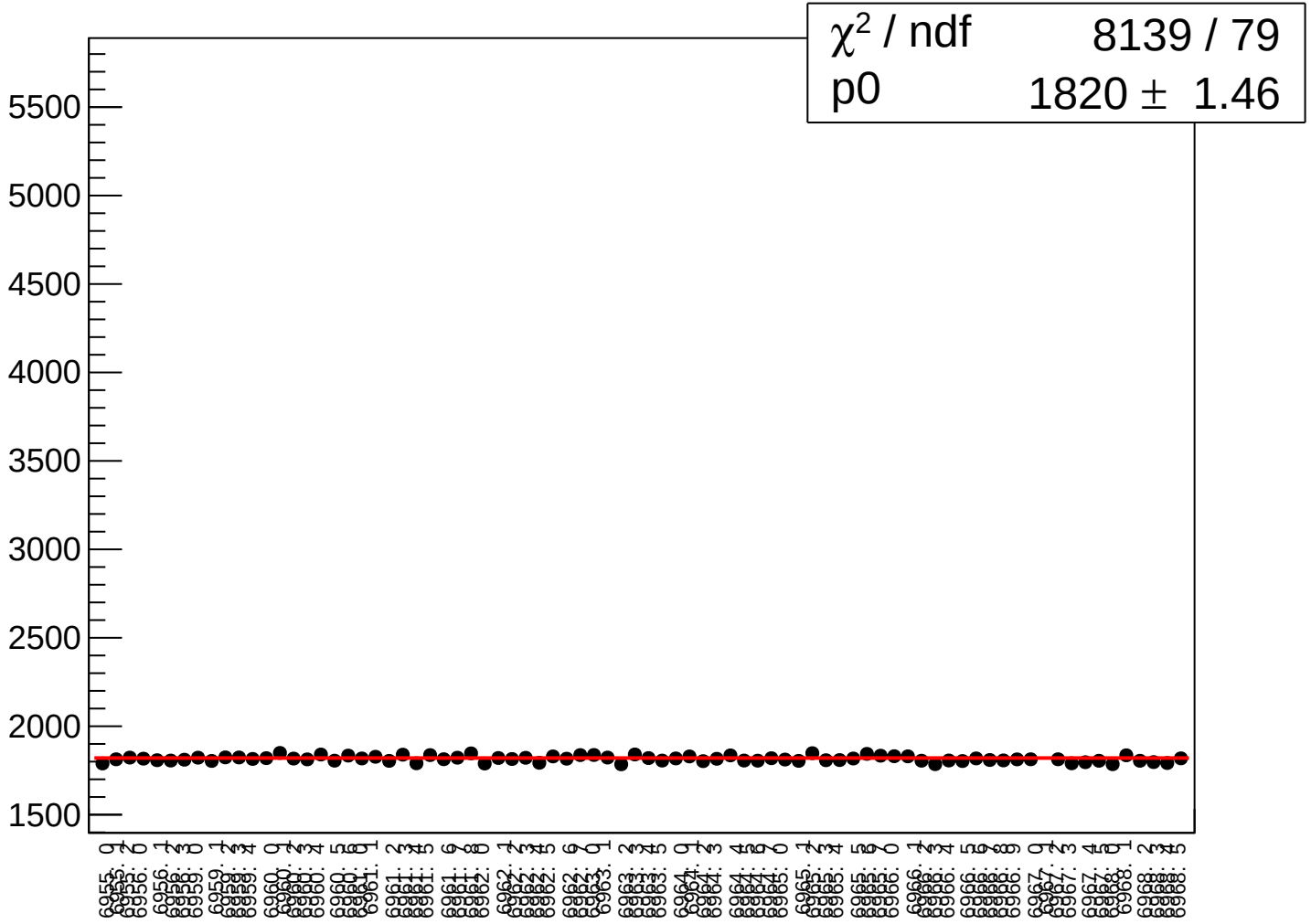

asym_at2_avg_mean vs run
×10^3
χ² / ndf 81.97 / 79
p0 6139 ± 1.39e+04
400
200
0
−200
−400
pull
Entries 80
Mean −42.84
Std Dev 66.5
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01926
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

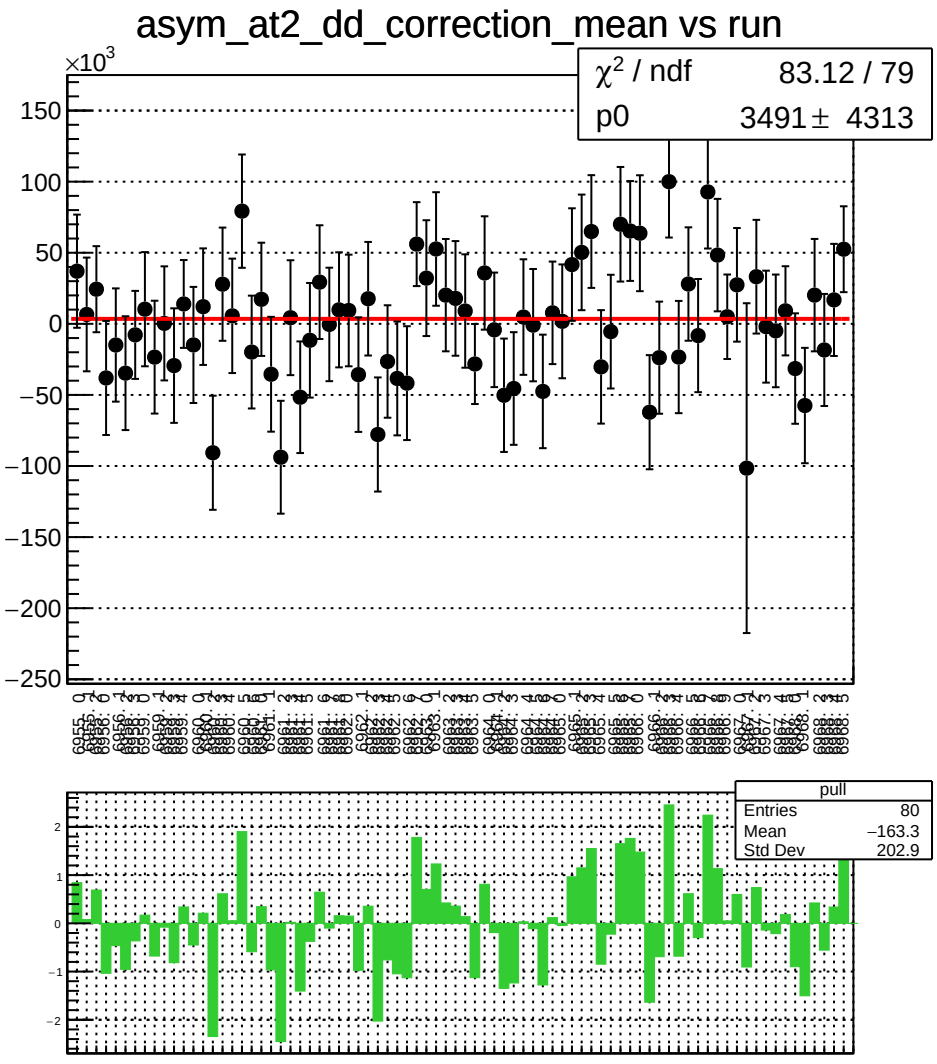

asym_at2_avg_rms vs run
χ² / ndf 1.254e+04 / 79
p0 1.224e+04 ± 9.827
15000
14000
13000
12000
11000
10000

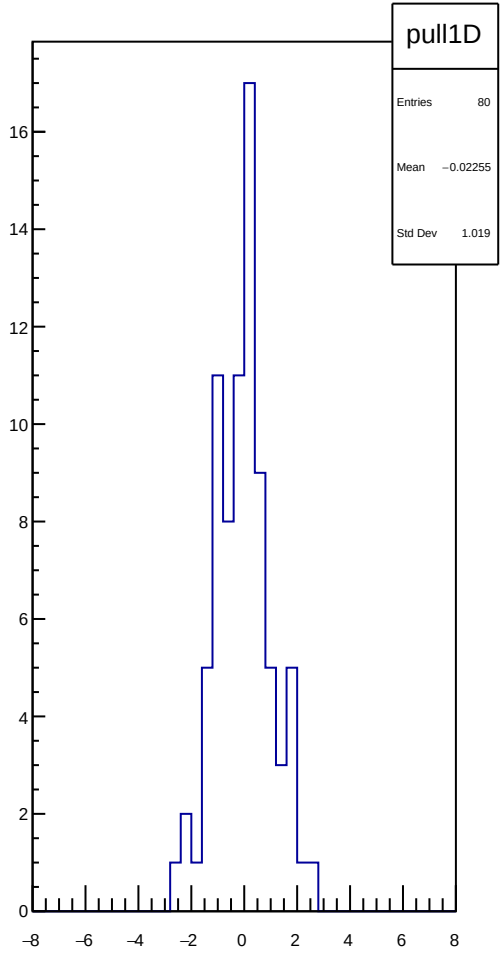

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 78.23 / 79
p0 1472 ± 2064
pull
Entries 80
Mean −139.9
Std Dev 178.5


pull1D
Entries 80
Mean −0.02608
Std Dev 0.9885

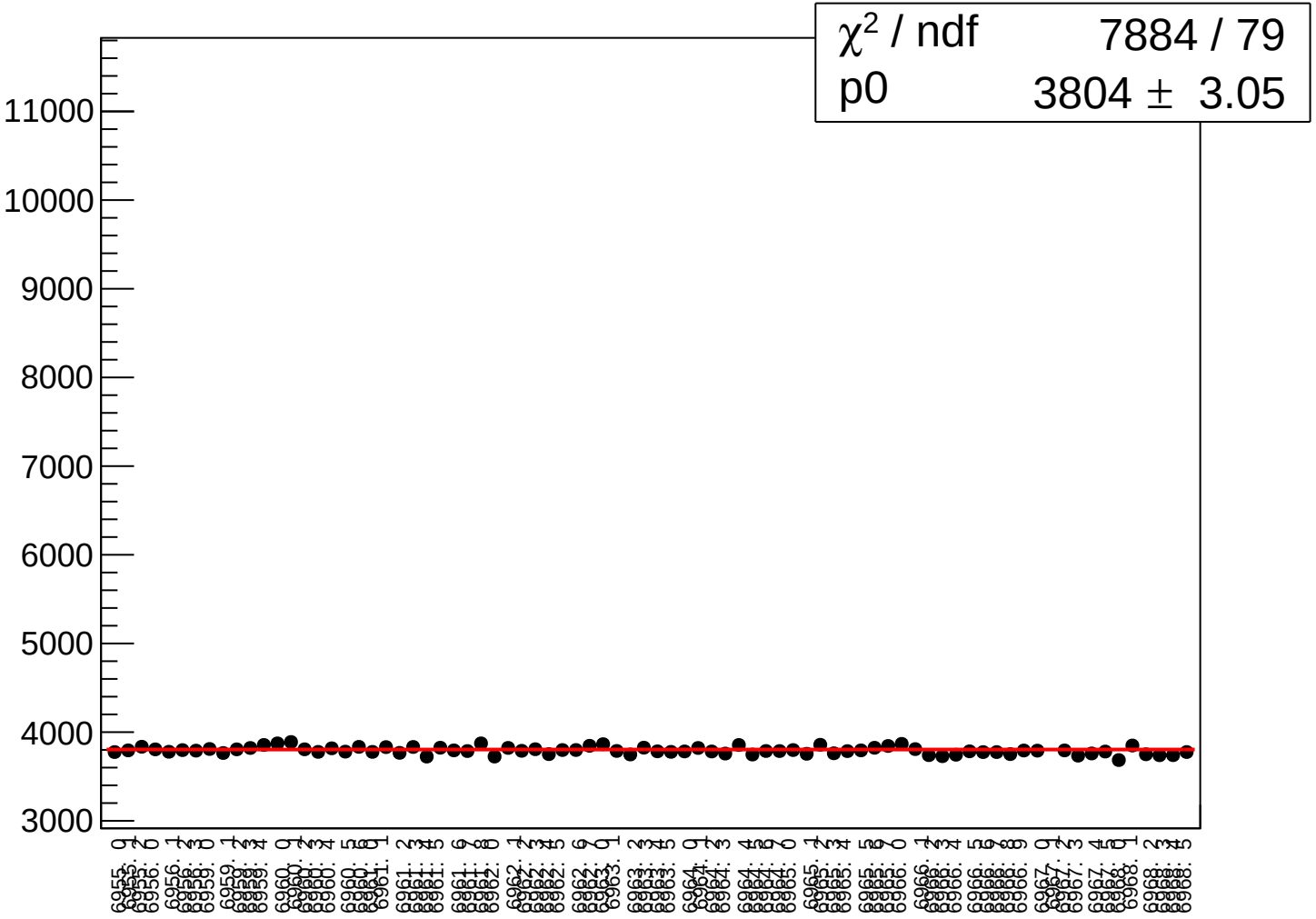
dit_asym_at2_dd_rms vs run

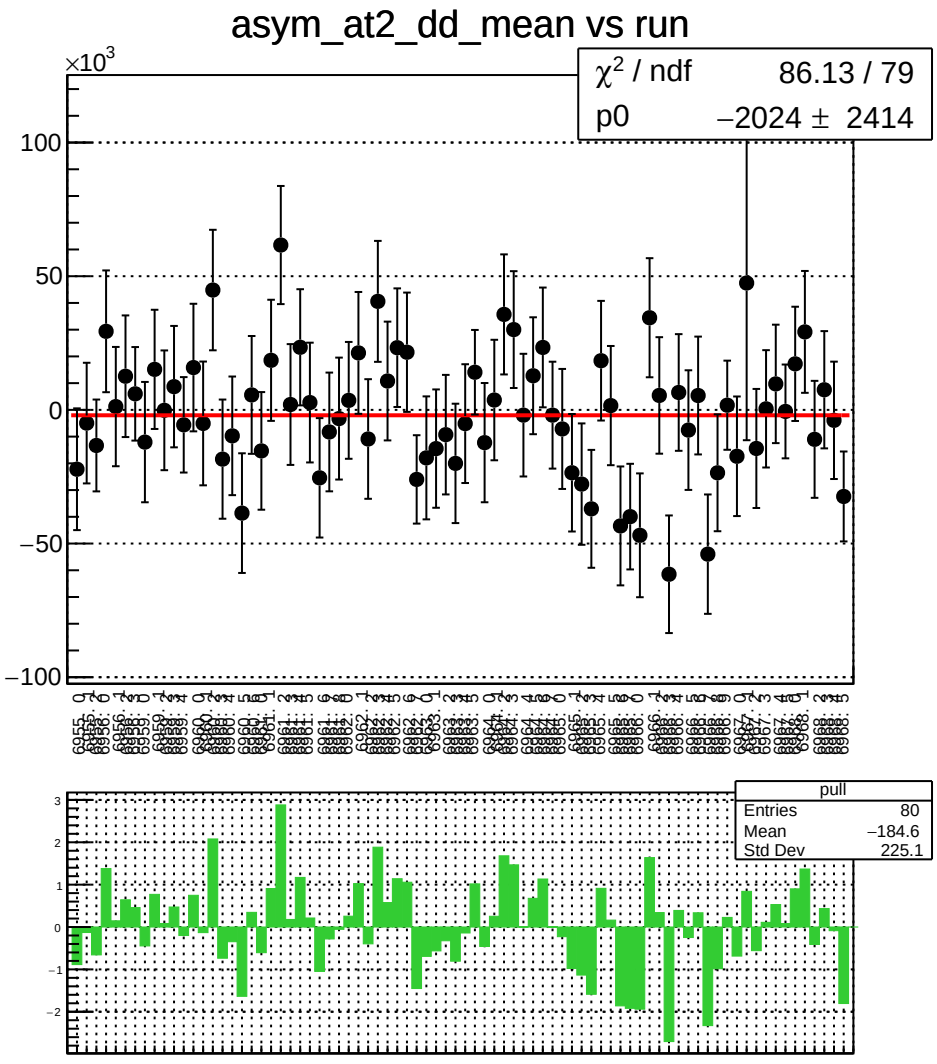


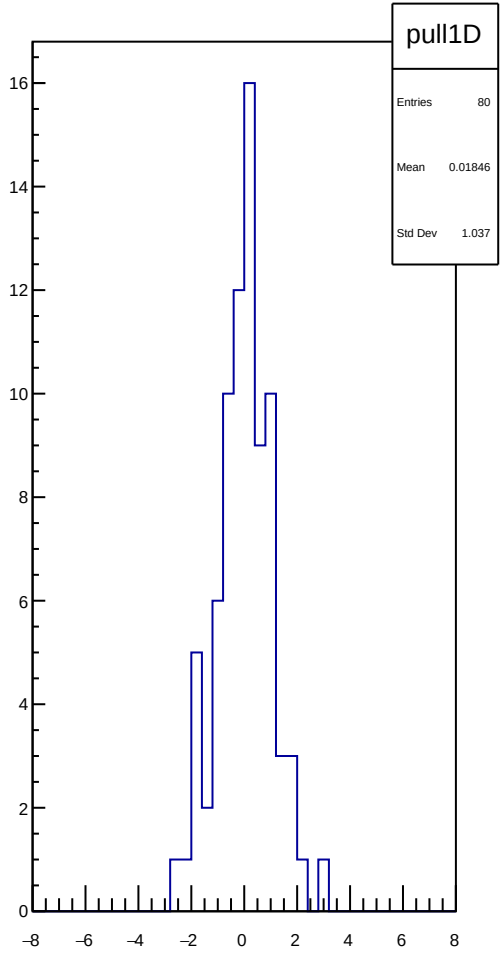

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 83.12 / 79
p0 3491 ± 4313
pull
Entries 80
Mean −163.3
Std Dev 202.9


pull1D
Entries 80
Mean −0.02255
Std Dev 1.019

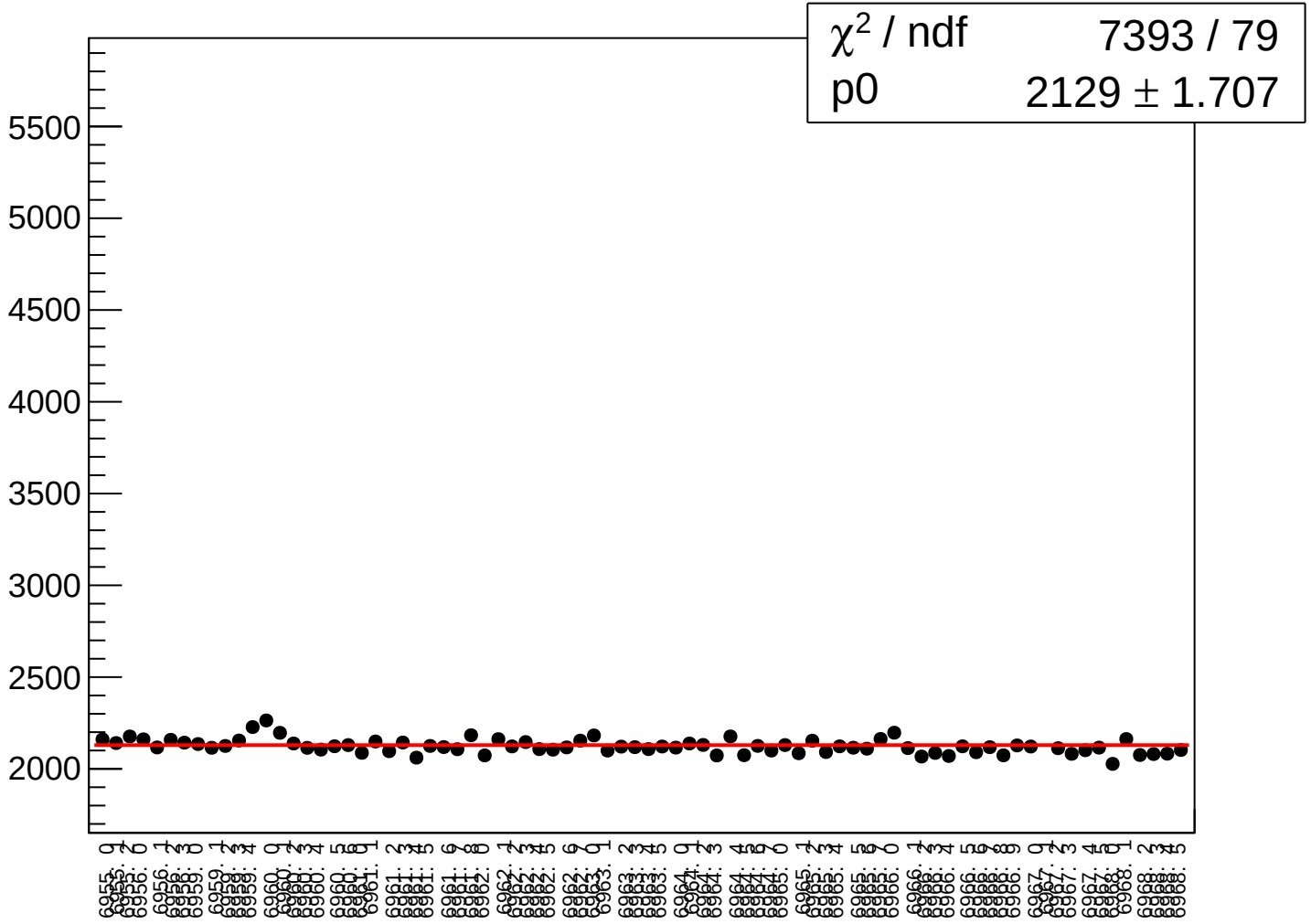
asym_at2_dd_correction_rms vs run

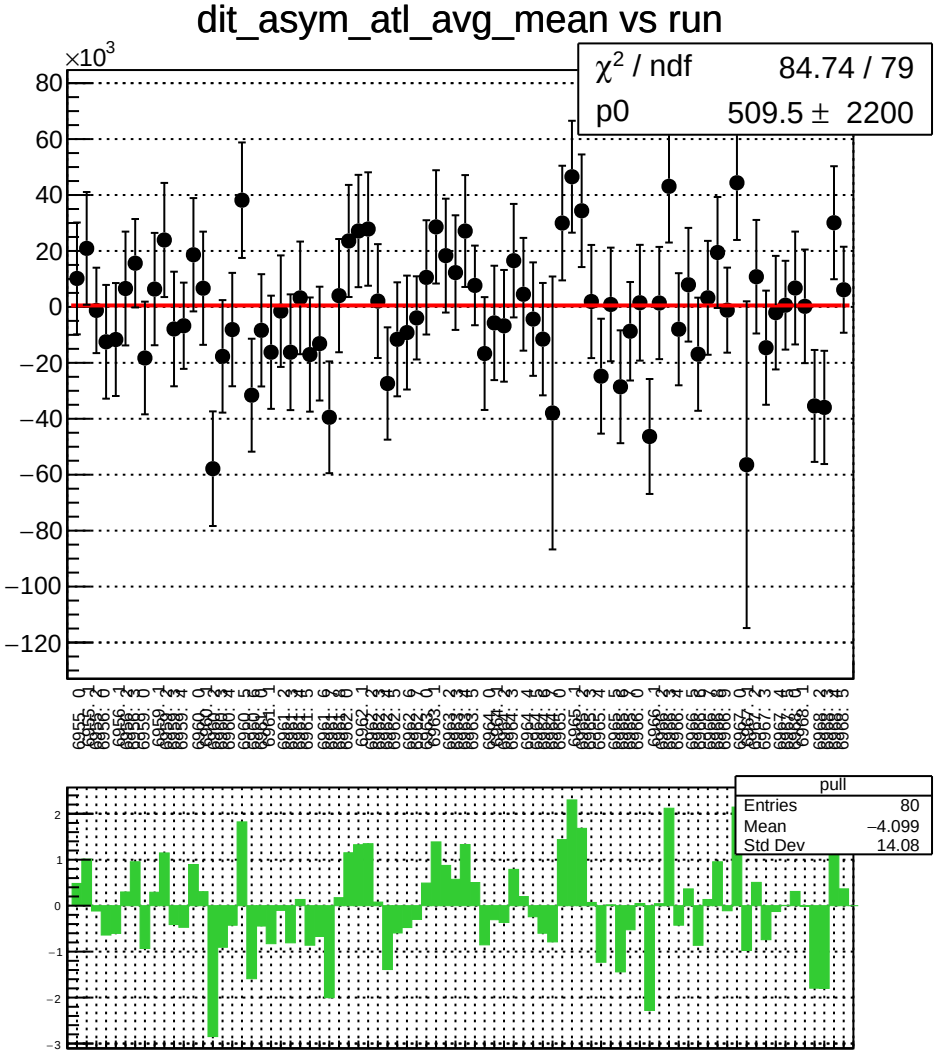


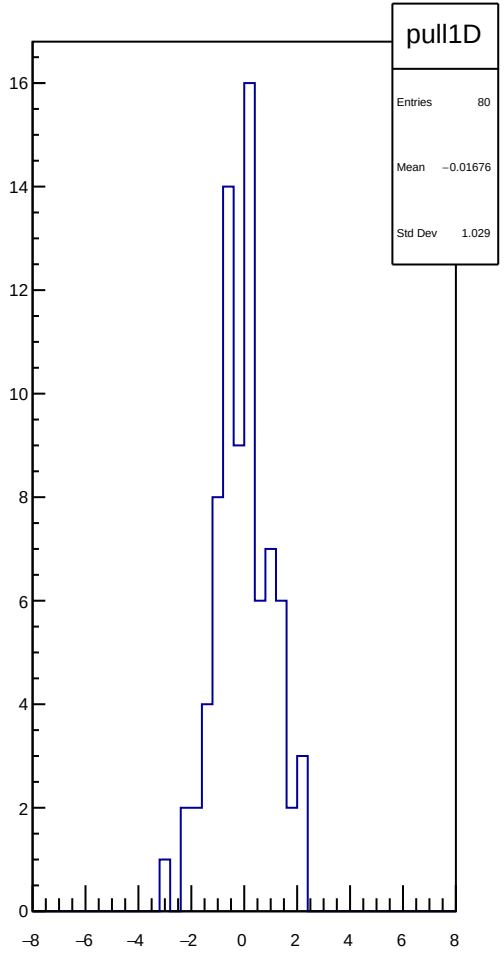

asym_at2_dd_mean vs run
×10^3
χ² / ndf 86.13 / 79
p0 −2024 ± 2414
pull
Entries 80
Mean −184.6
Std Dev 225.1

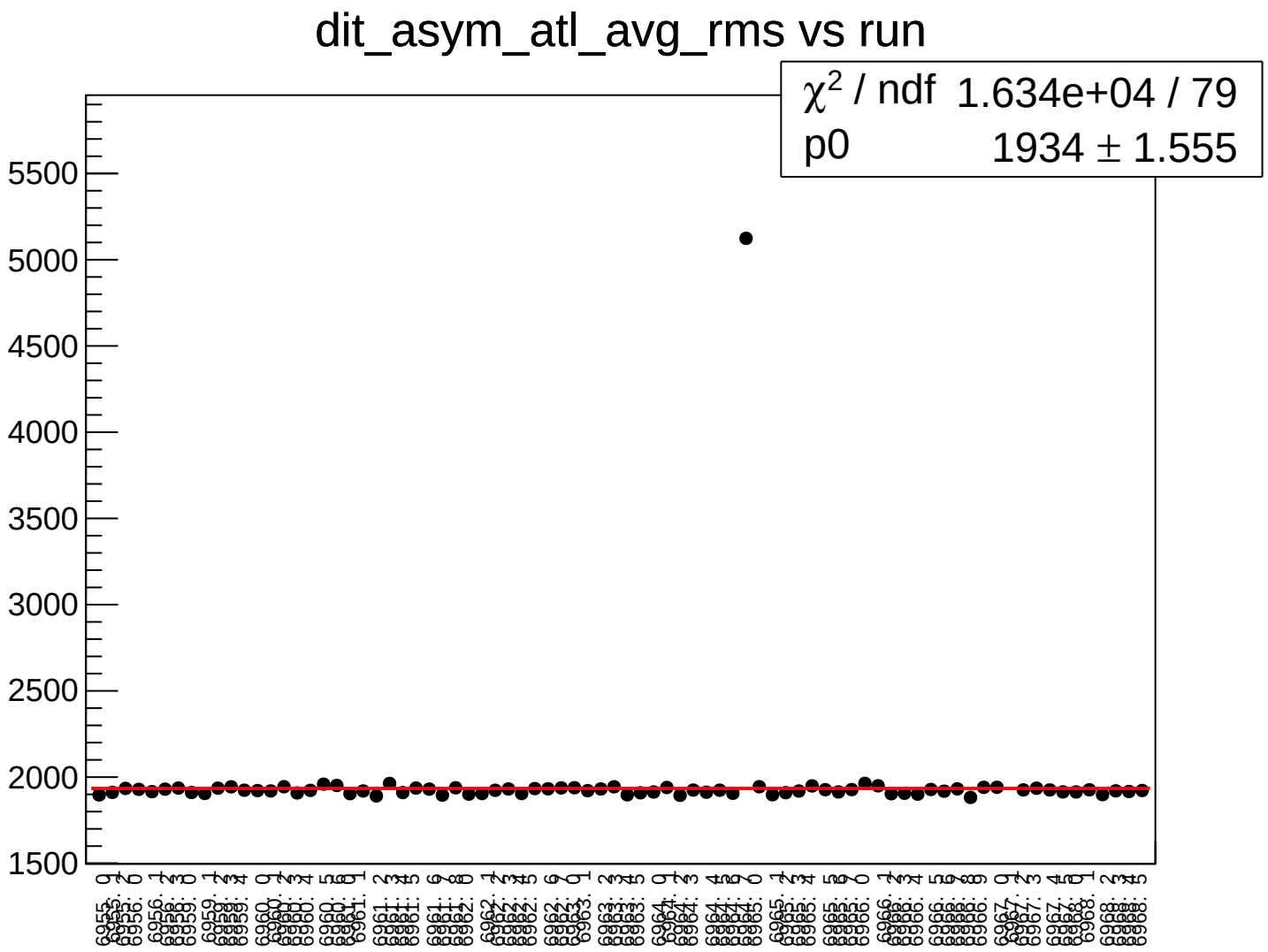

pull1D
Entries 80
Mean 0.01846
Std Dev 1.037

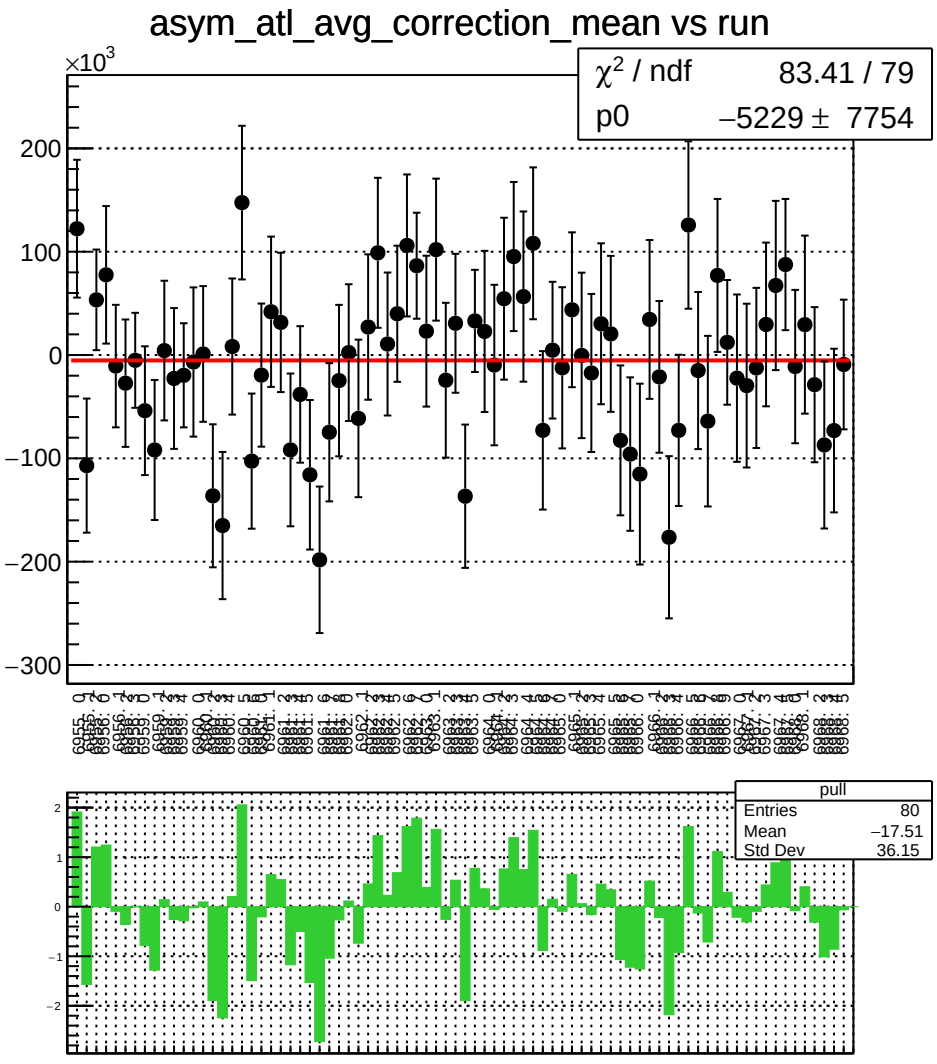
asym_at2_dd_rms vs run

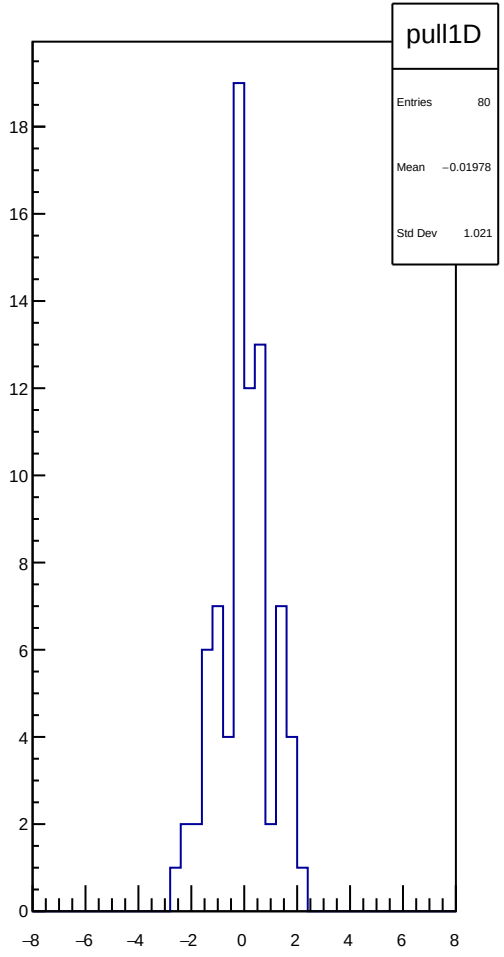


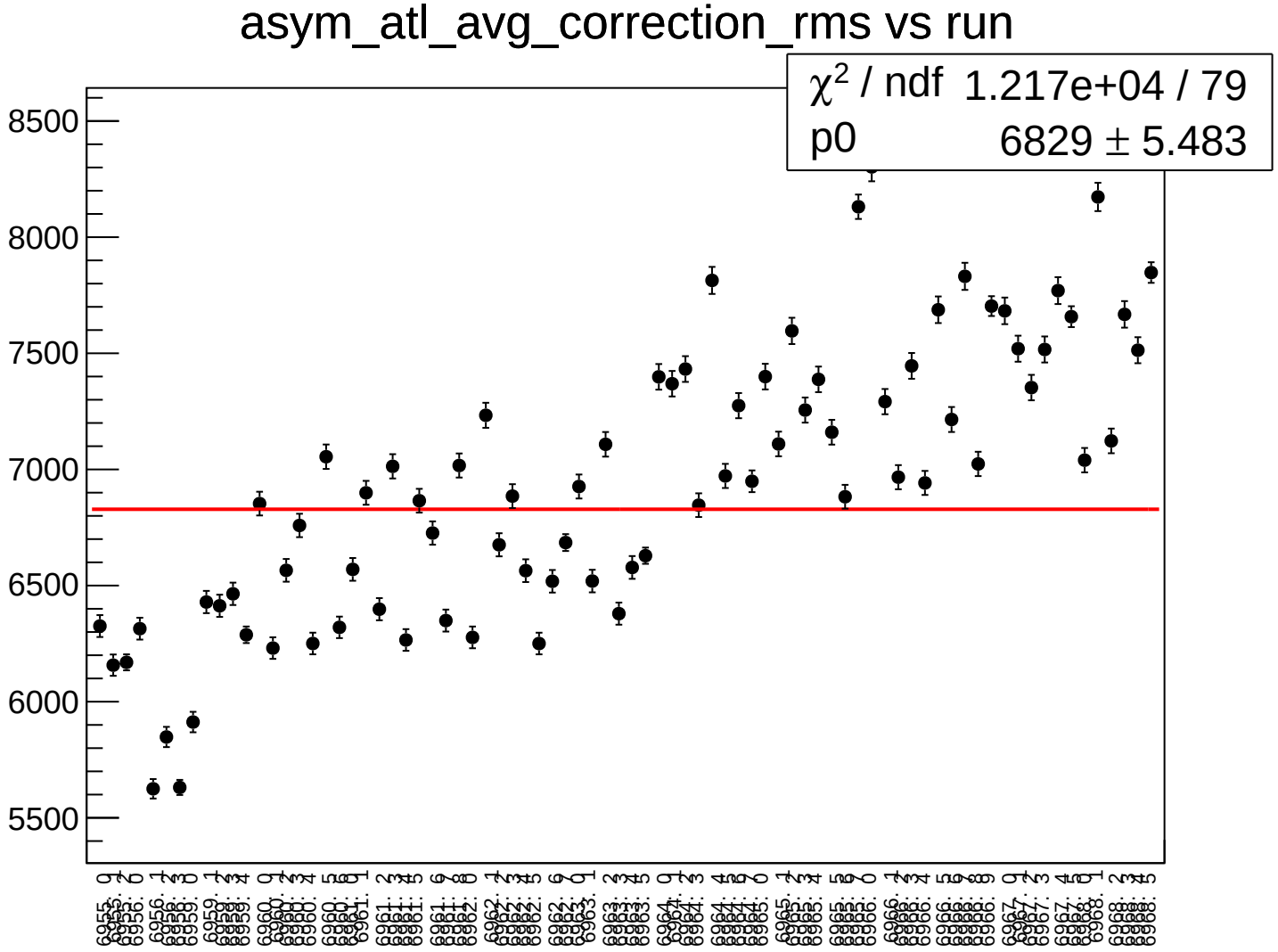

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 84.74 / 79
p0 509.5 ± 2200
pull
Entries 80
Mean −4.099
Std Dev 14.08

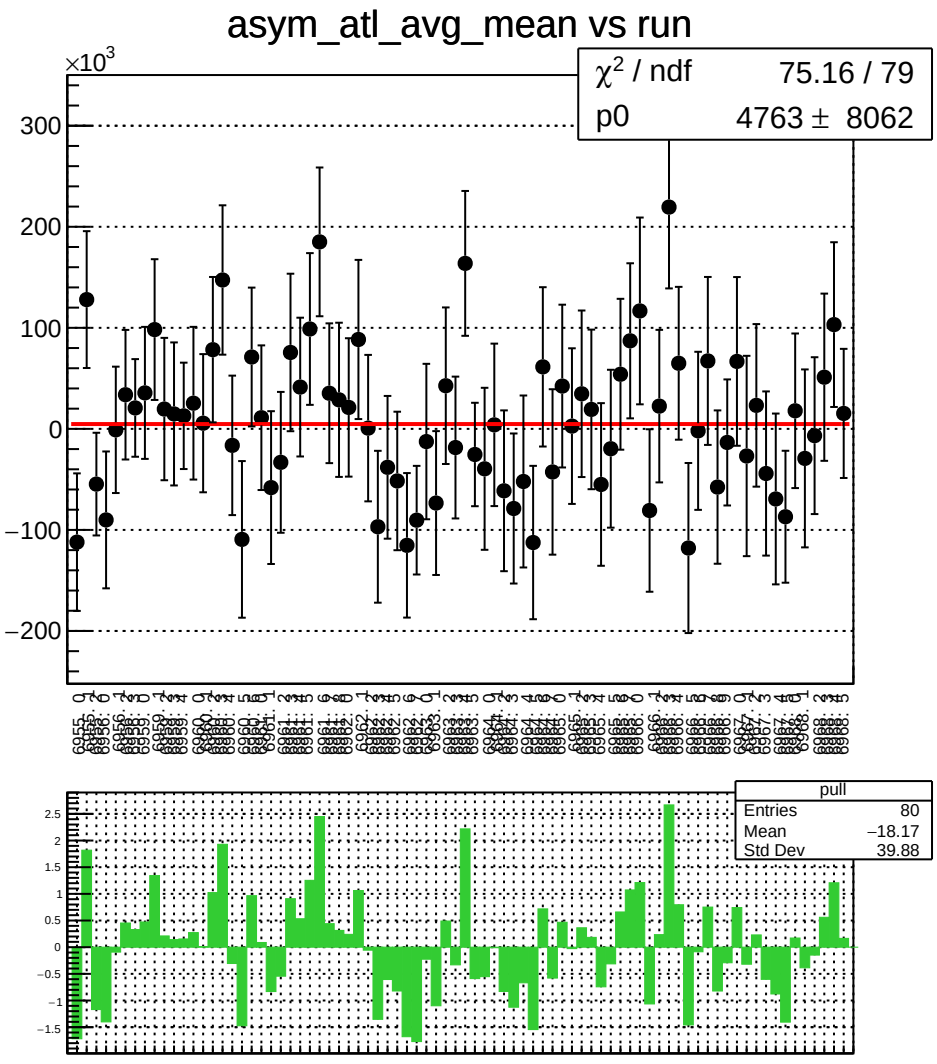

pull1D
Entries 80
Mean −0.01676
Std Dev 1.029

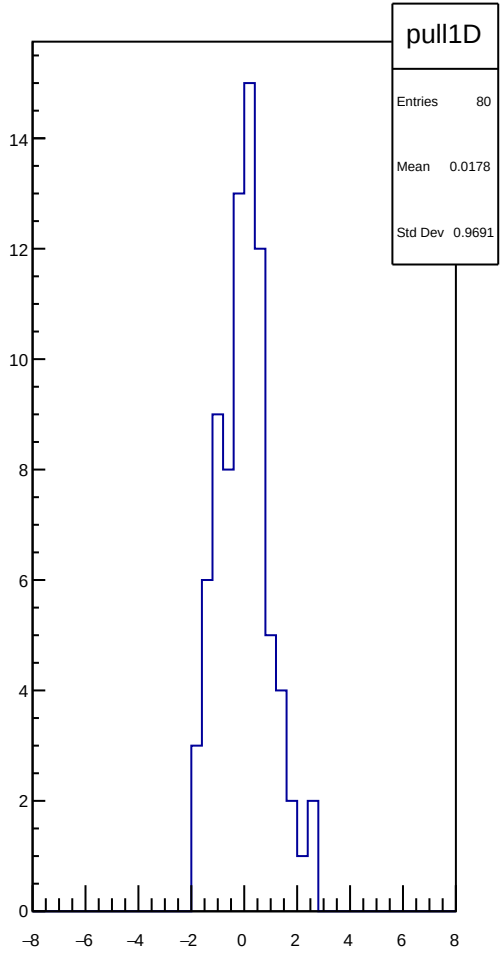

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.634e+04 / 79
p0 1934 ± 1.555
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 83.41 / 79
p0 −5229 ± 7754
pull
Entries 80
Mean −17.51
Std Dev 36.15

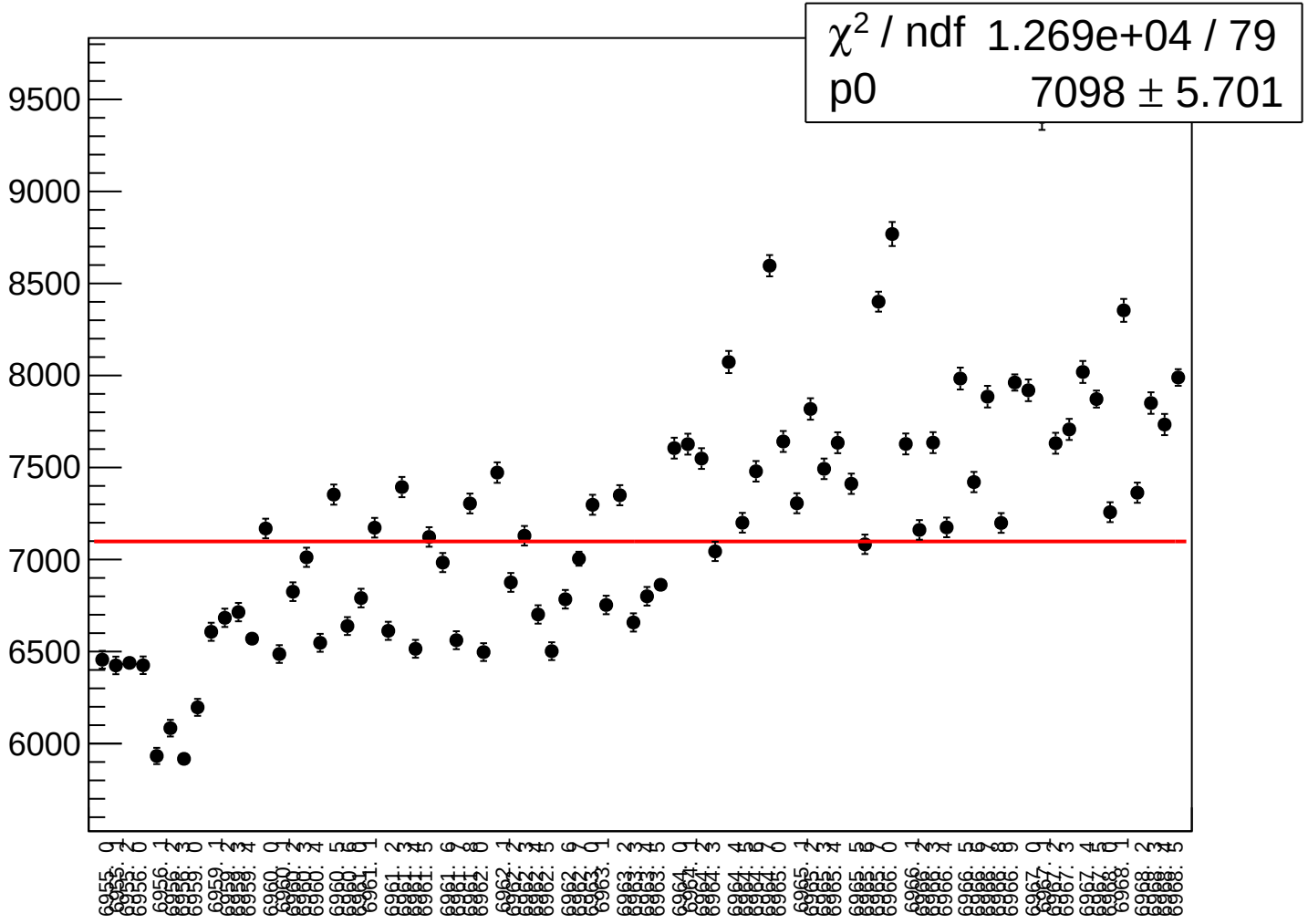

pull1D
Entries 80
Mean −0.01978
Std Dev 1.021

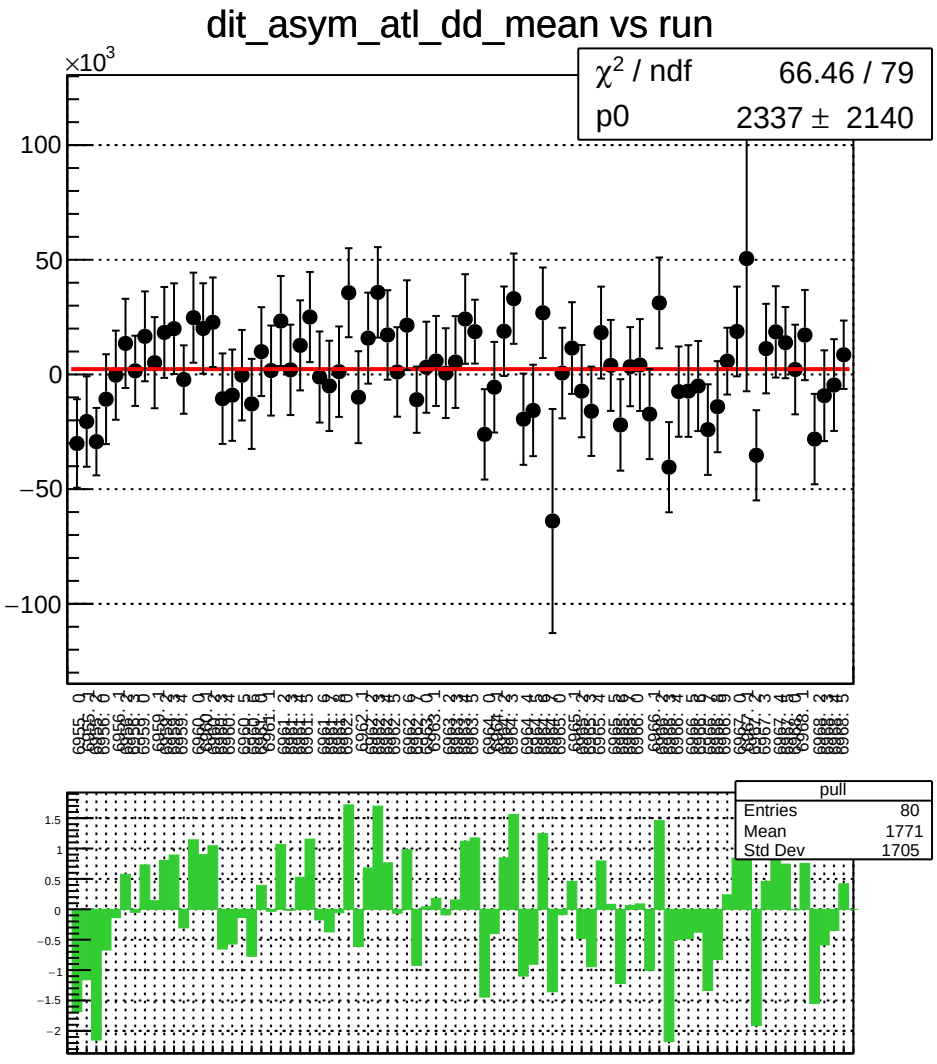

asym_atl_avg_correction_rms vs run
χ^2 / ndf 1.217e+04 / 79
p0 6829 ± 5.483
8500
8000
7500
7000
6500
6000
5500

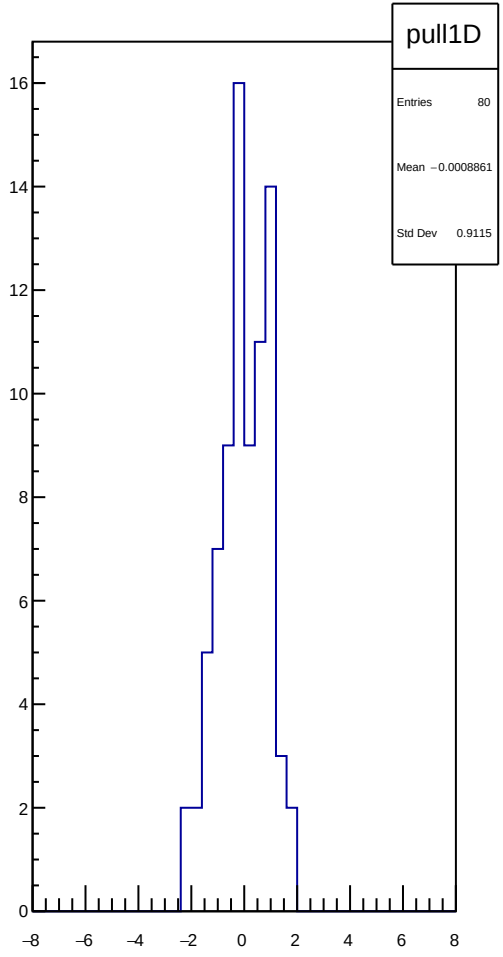

asym_atl_avg_mean vs run
×10^3
χ² / ndf 75.16 / 79
p0 4763 ± 8062
pull
Entries 80
Mean −18.17
Std Dev 39.88

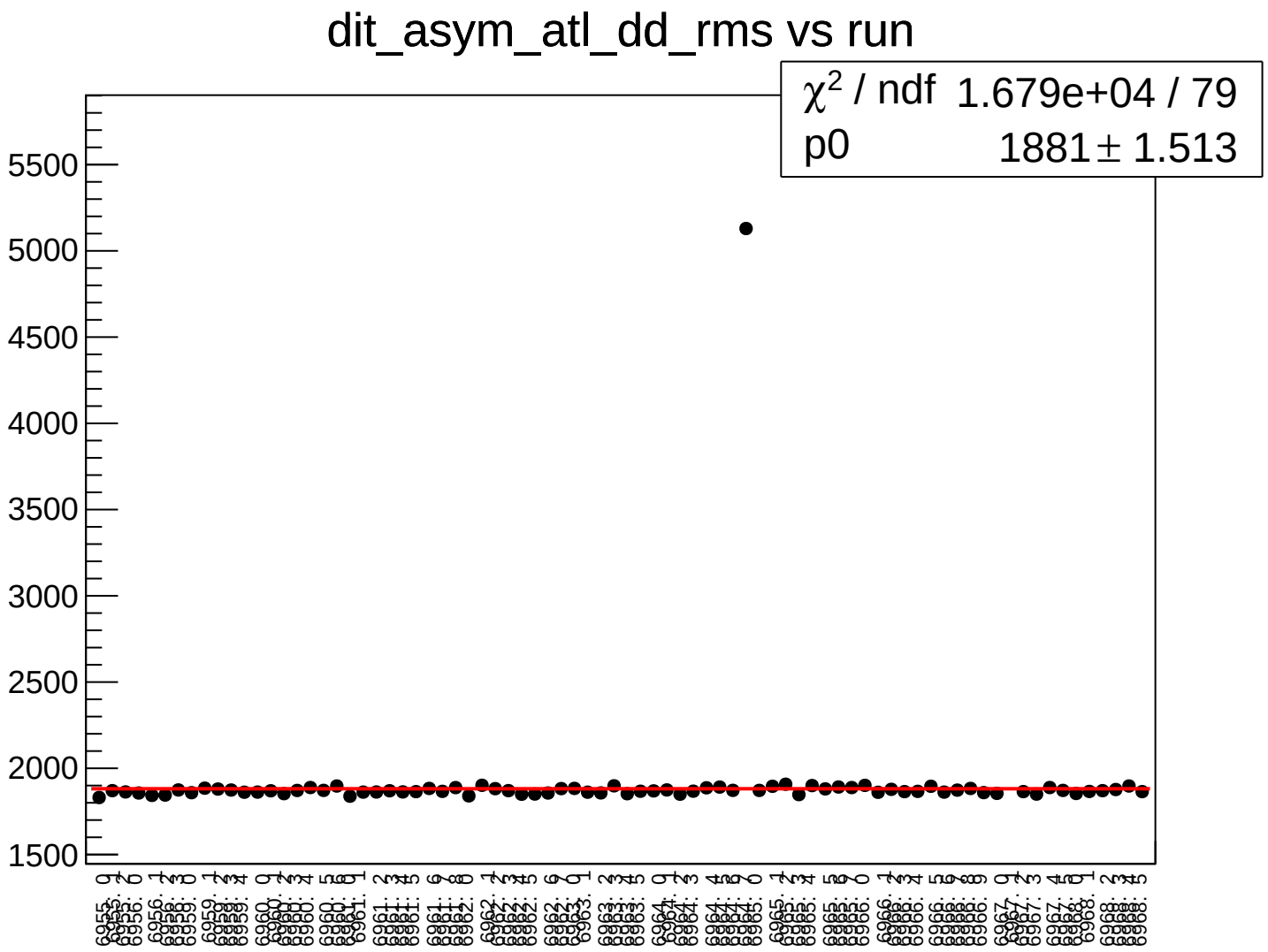

pull1D
Entries 80
Mean 0.0178
Std Dev 0.9691

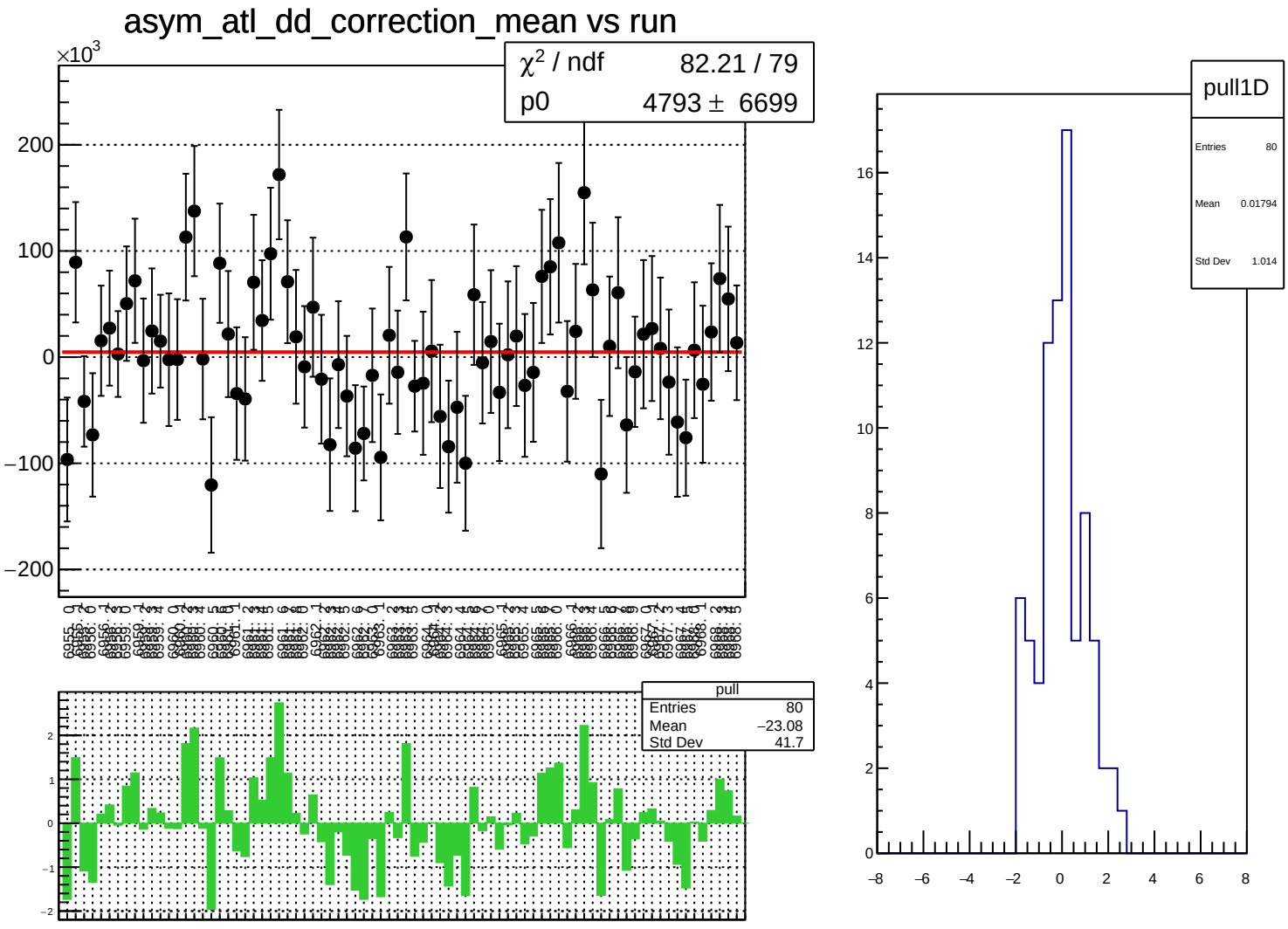
asym_atl_avg_rms vs run



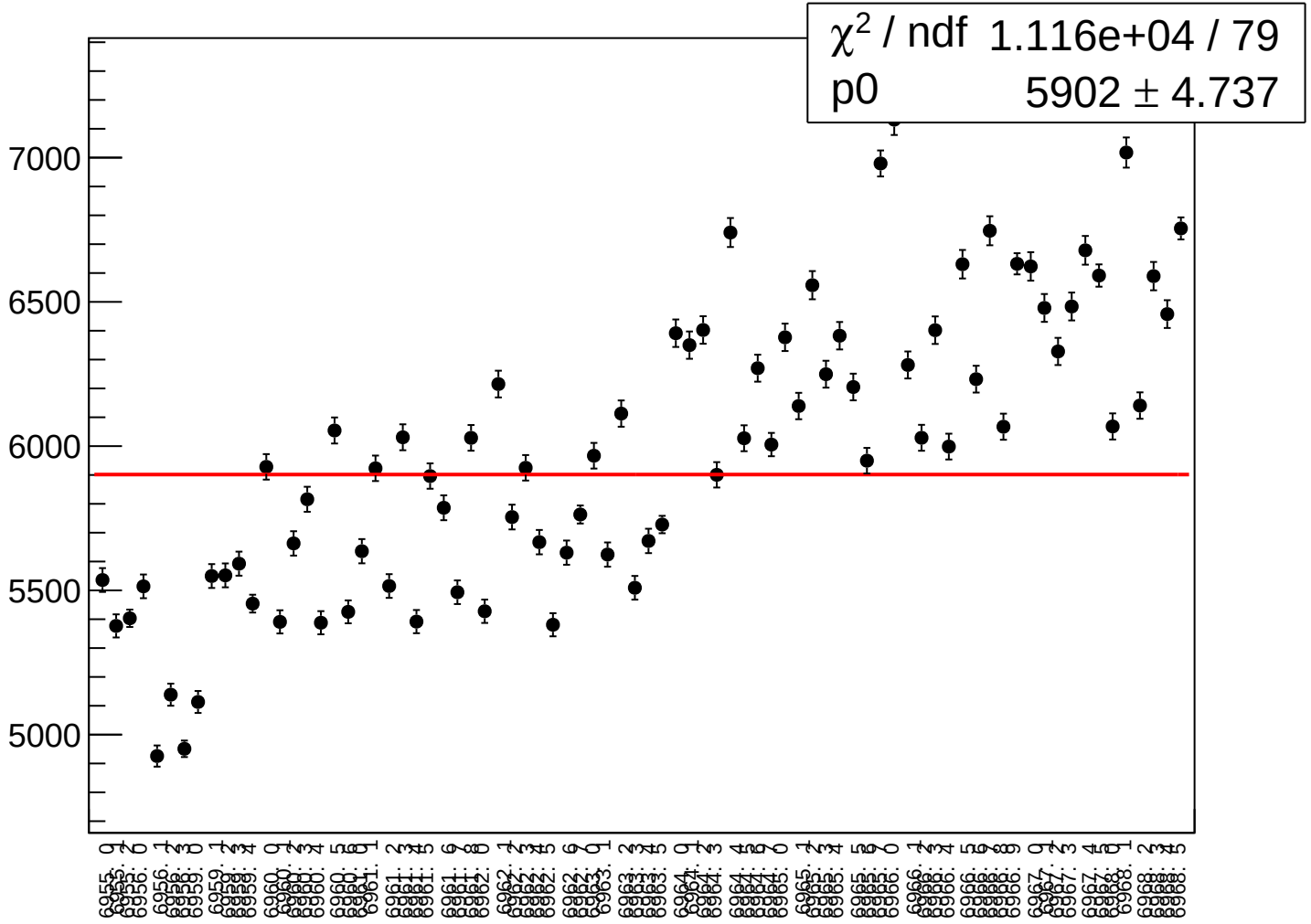

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 66.46 / 79
p0 2337 ± 2140
pull
Entries 80
Mean 1771
Std Dev 1705

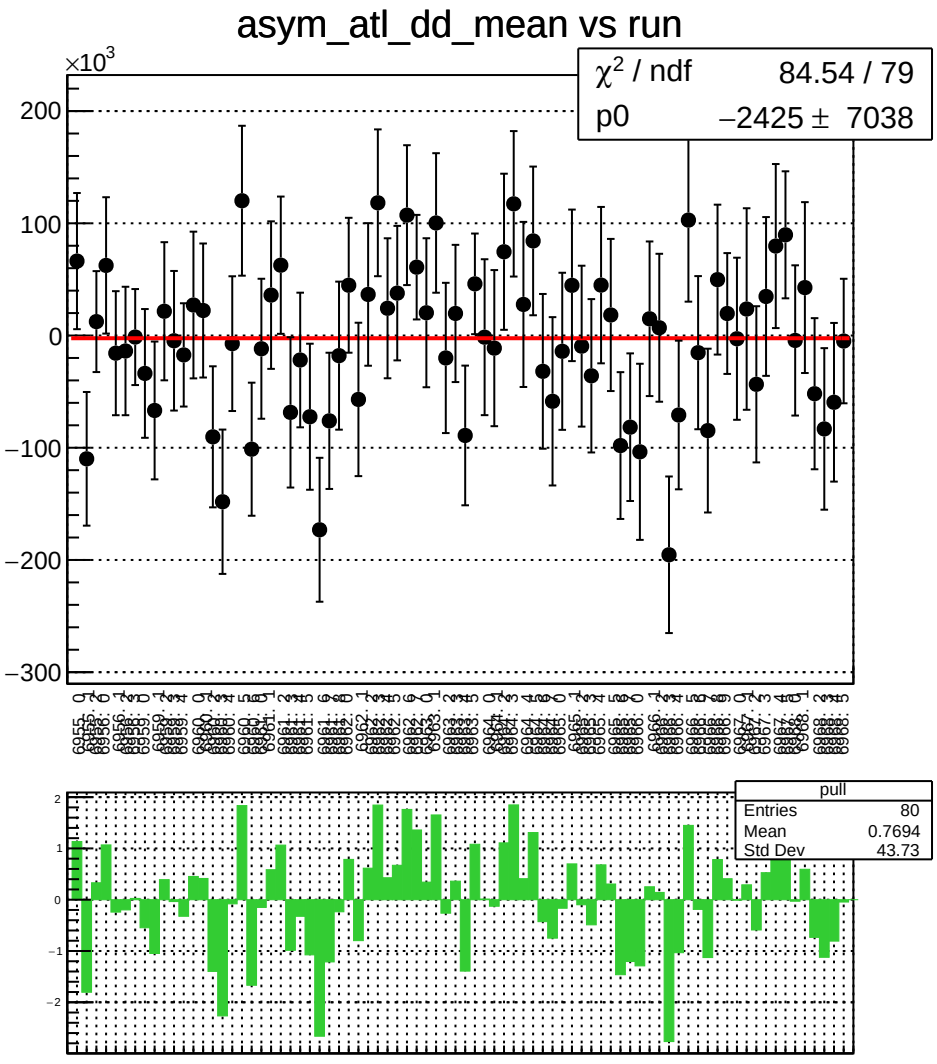

pull1D
Entries 80
Mean −0.0008861
Std Dev 0.9115

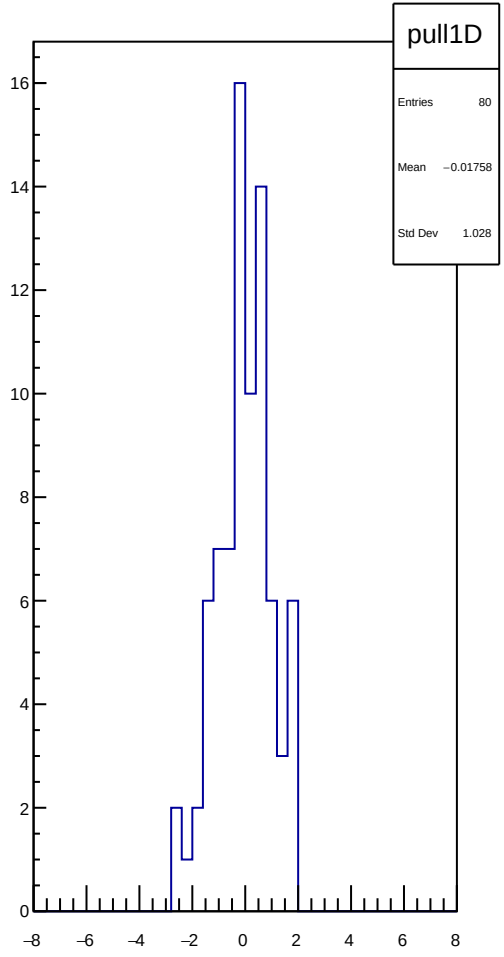

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.679e+04 / 79
p0 1881 ± 1.513
5500
5000
4500
4000
3500
3000
2500
2000
1500

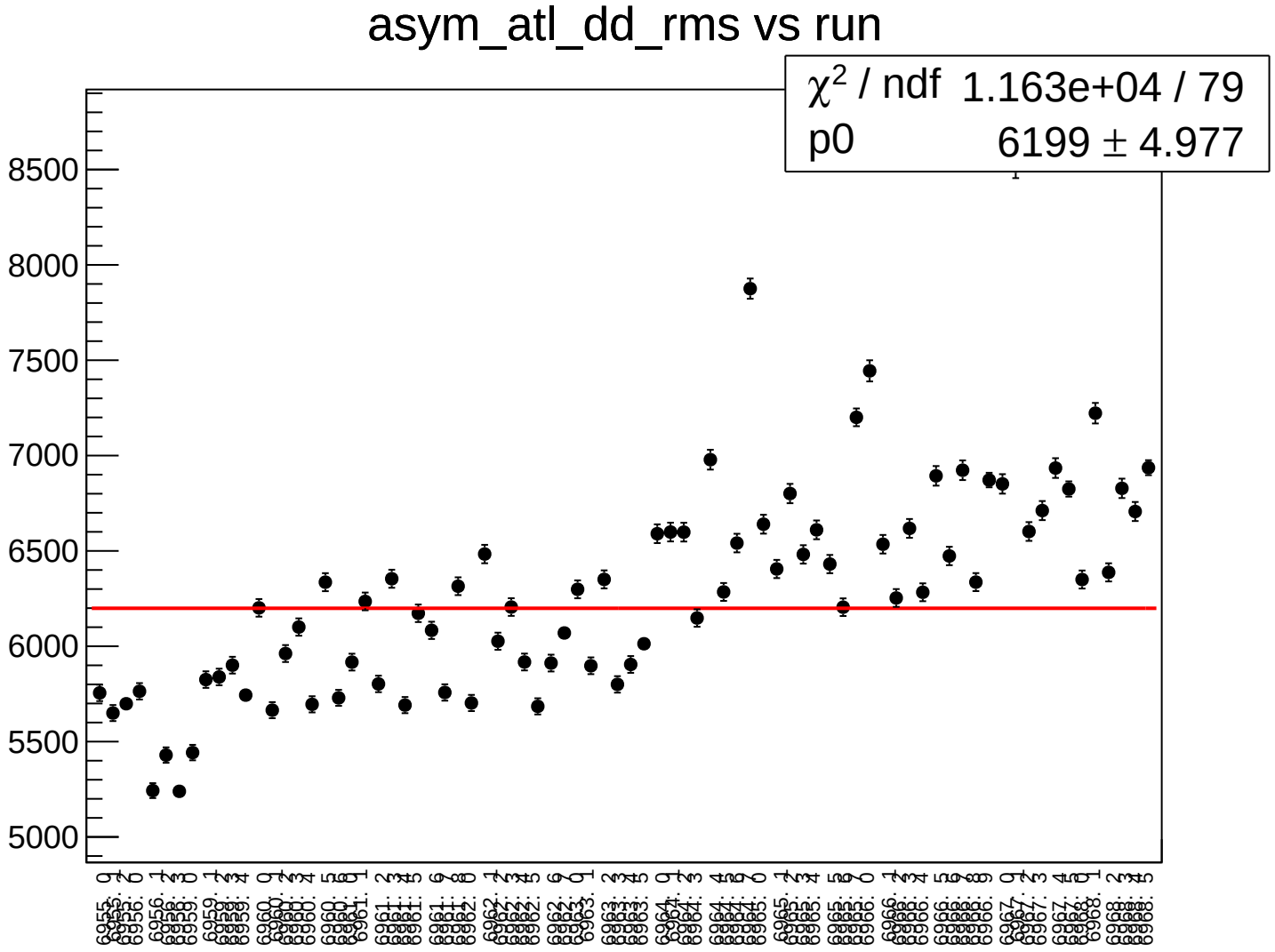

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 82.21 / 79
p0 4793 ± 6699
pull
Entries 80
Mean −23.08
Std Dev 41.7
pull1D
Entries 80
Mean 0.01794
Std Dev 1.014

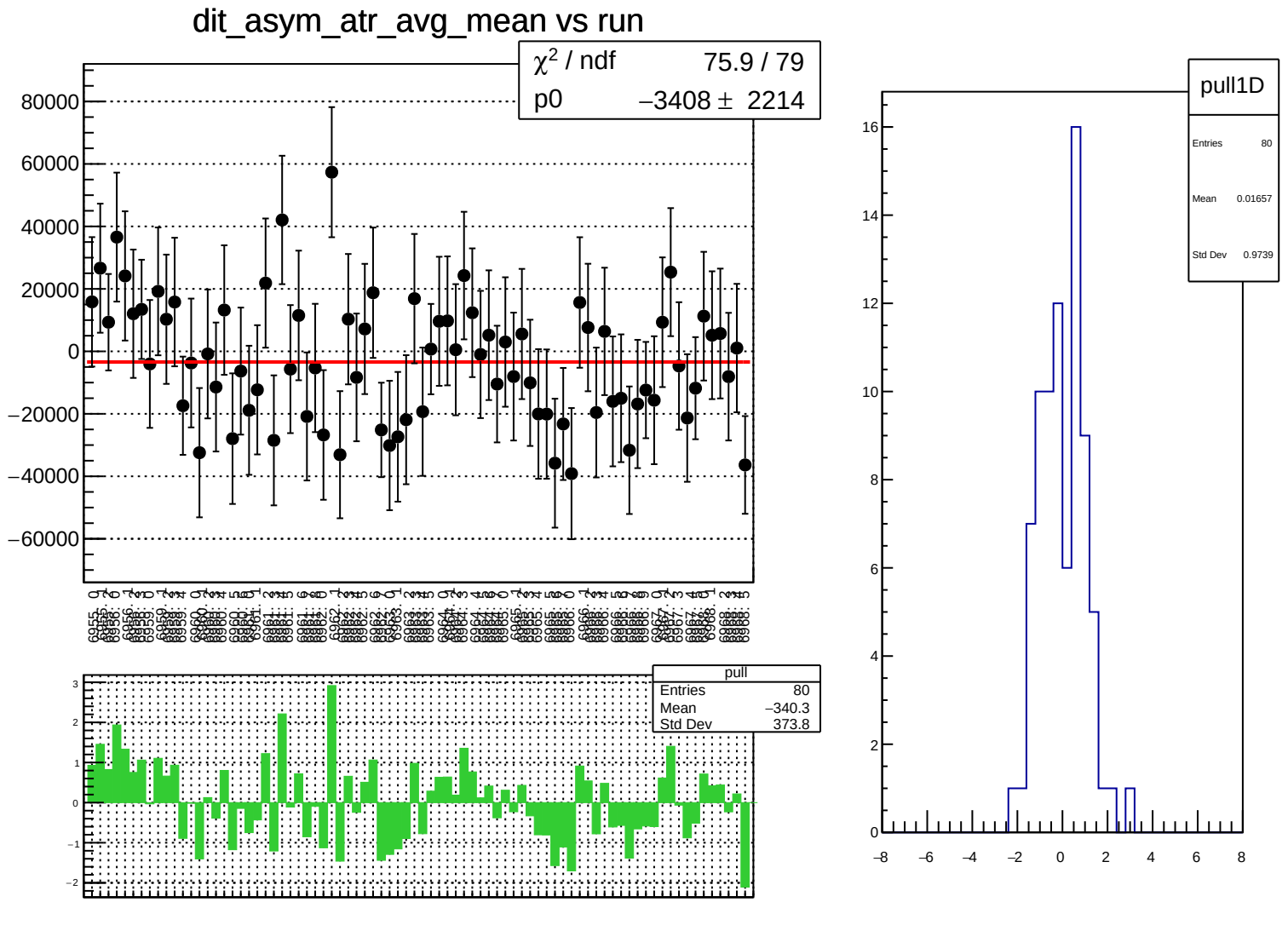
asym_atl_dd_correction_rms vs run

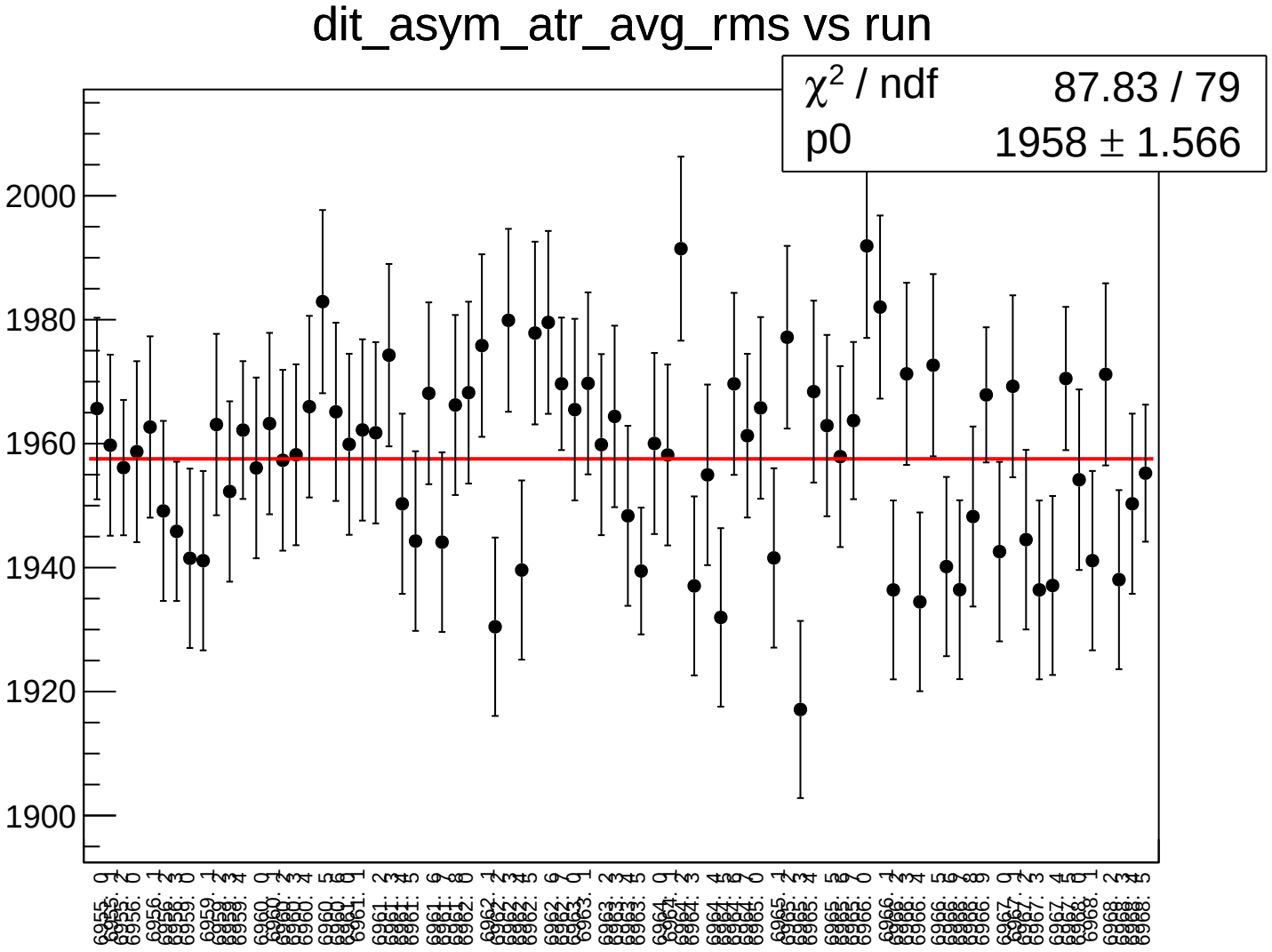


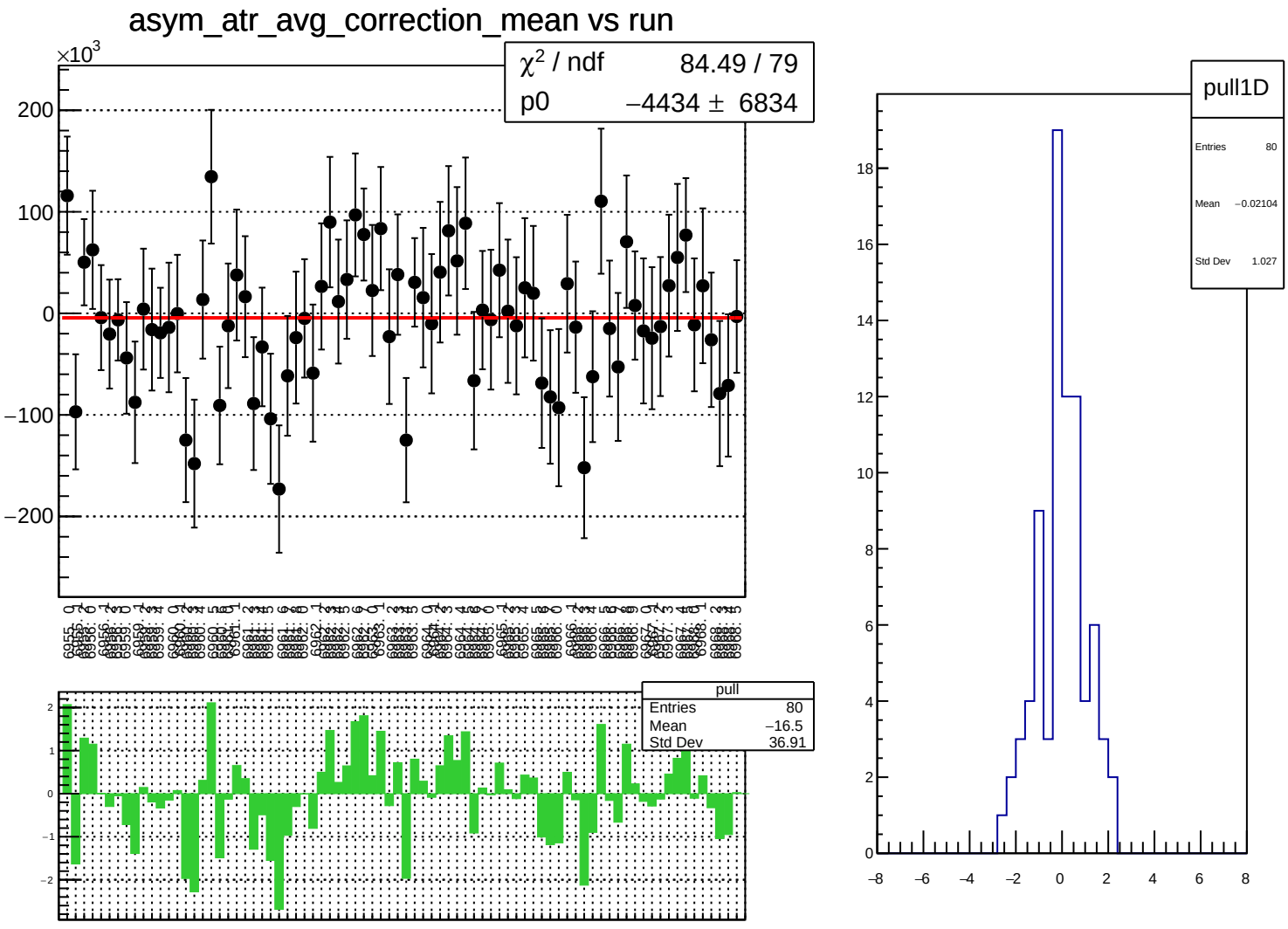

asym_atl_dd_mean vs run
×10^3
χ² / ndf 84.54 / 79
p0 −2425 ± 7038
pull
Entries 80
Mean 0.7694
Std Dev 43.73

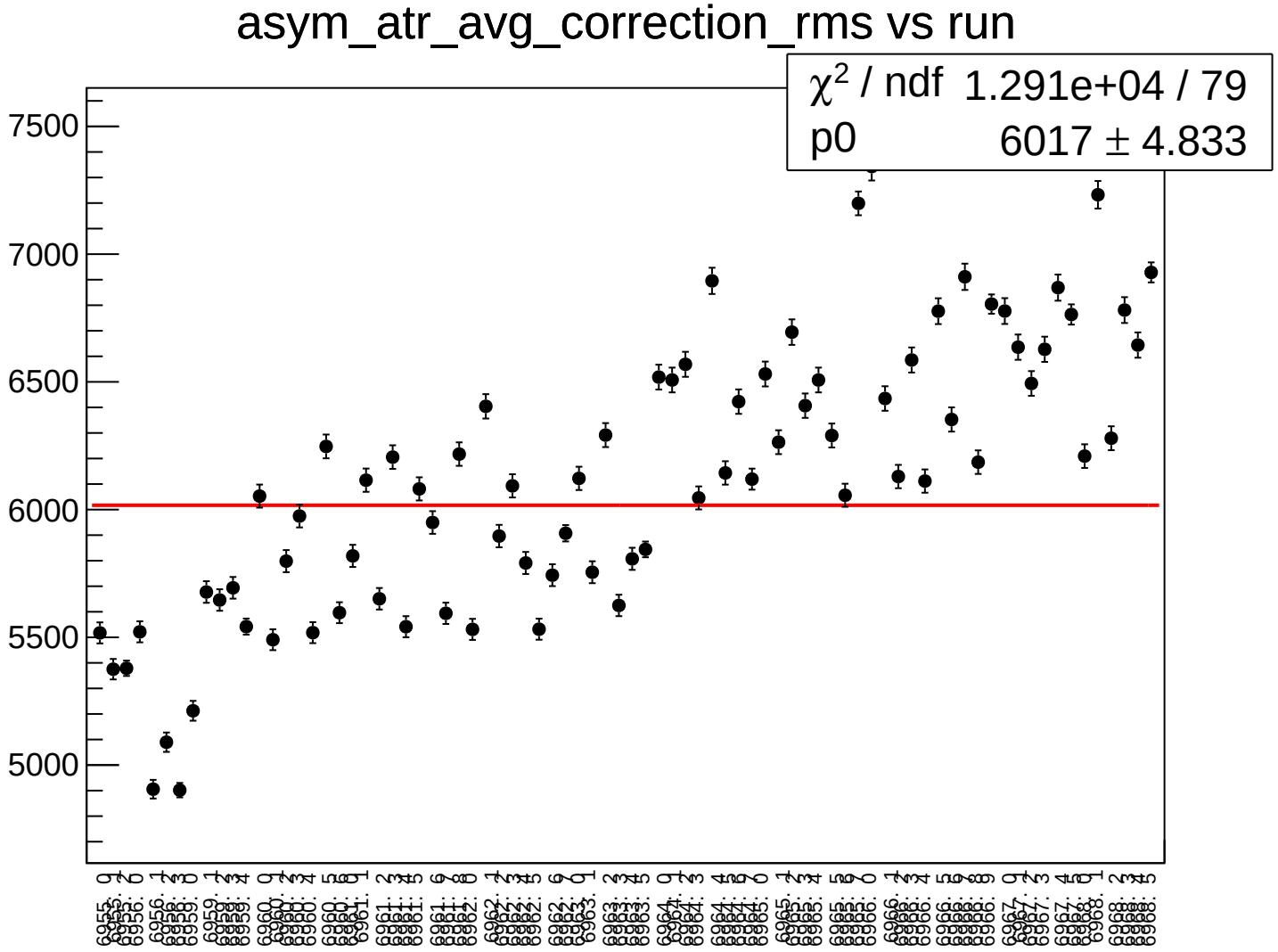

pull1D
Entries 80
Mean −0.01758
Std Dev 1.028

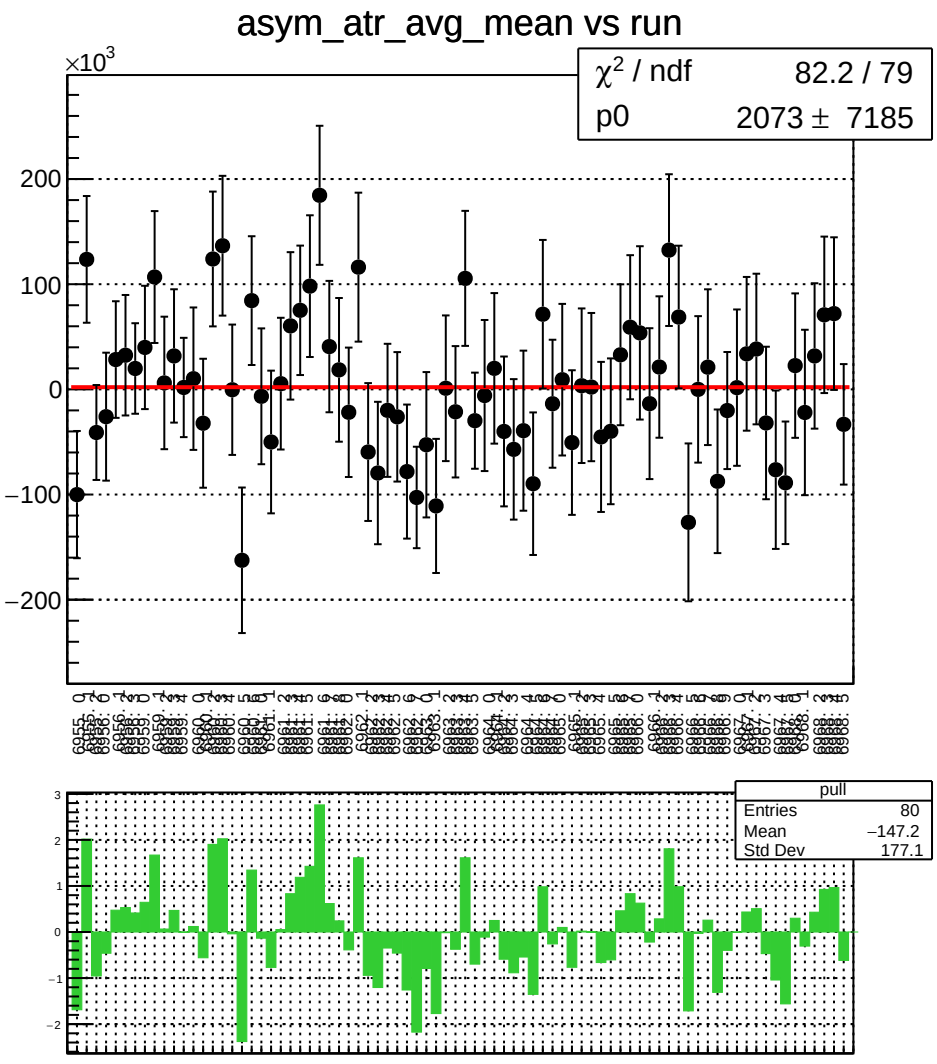

asym_atl_dd_rms vs run
χ² / ndf 1.163e+04 / 79
p0 6199 ± 4.977
8500
8000
7500
7000
6500
6000
5500
5000

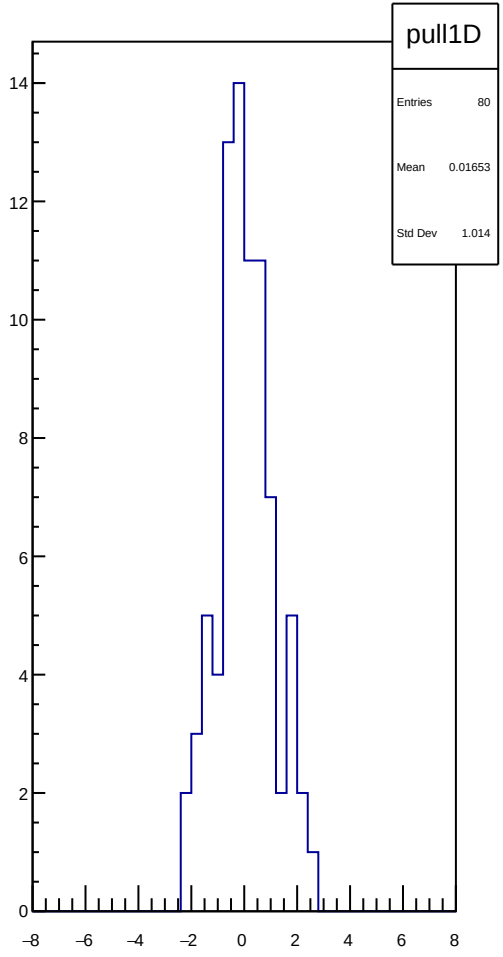

dit_asym_atr_avg_mean vs run
χ² / ndf 75.9 / 79
p0 −3408 ± 2214
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −340.3
Std Dev 373.8
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01657
Std Dev 0.9739
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

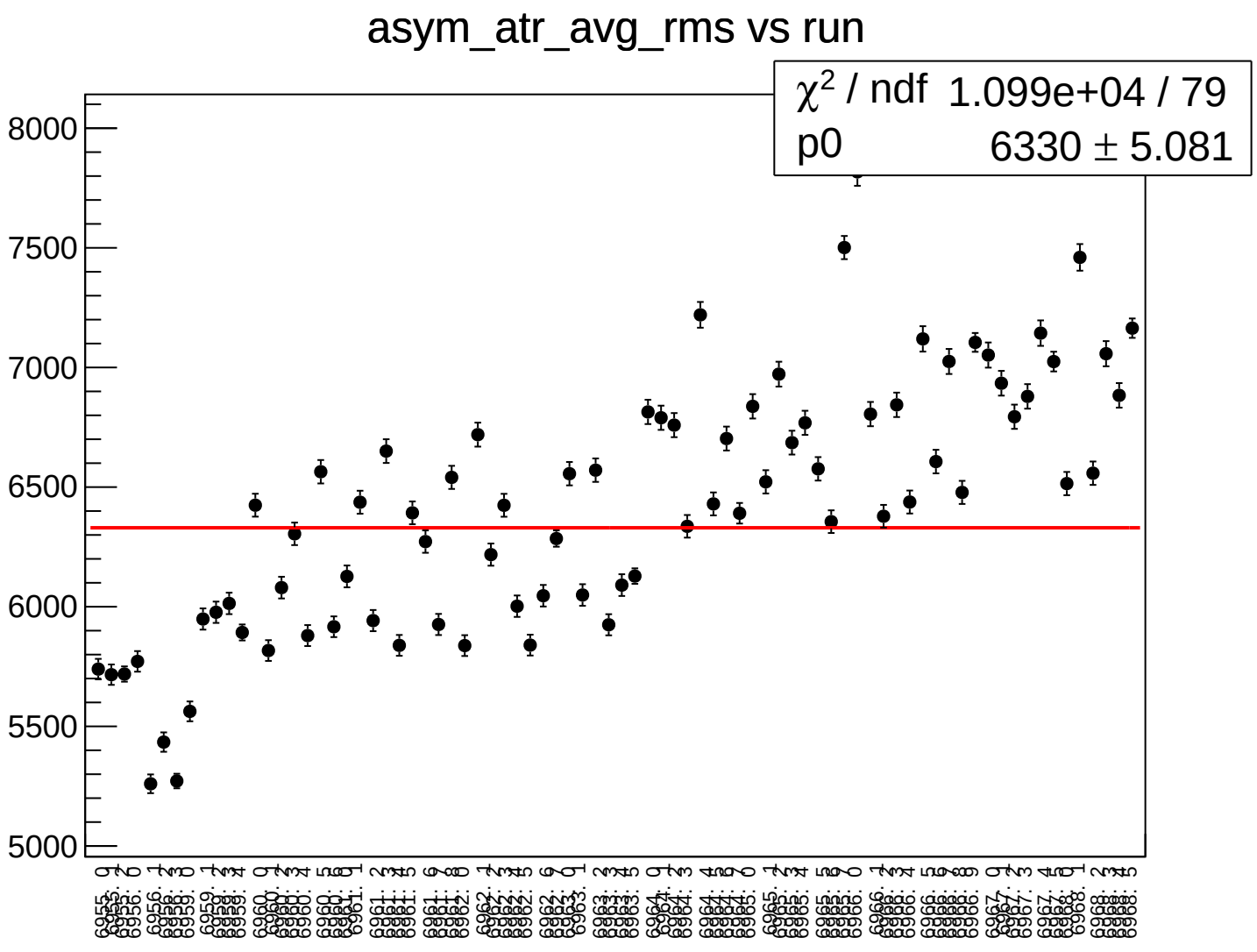

dit_asym_atr_avg_rms vs run
χ² / ndf 87.83 / 79
p0 1958 ± 1.566
2000
1980
1960
1940
1920
1900

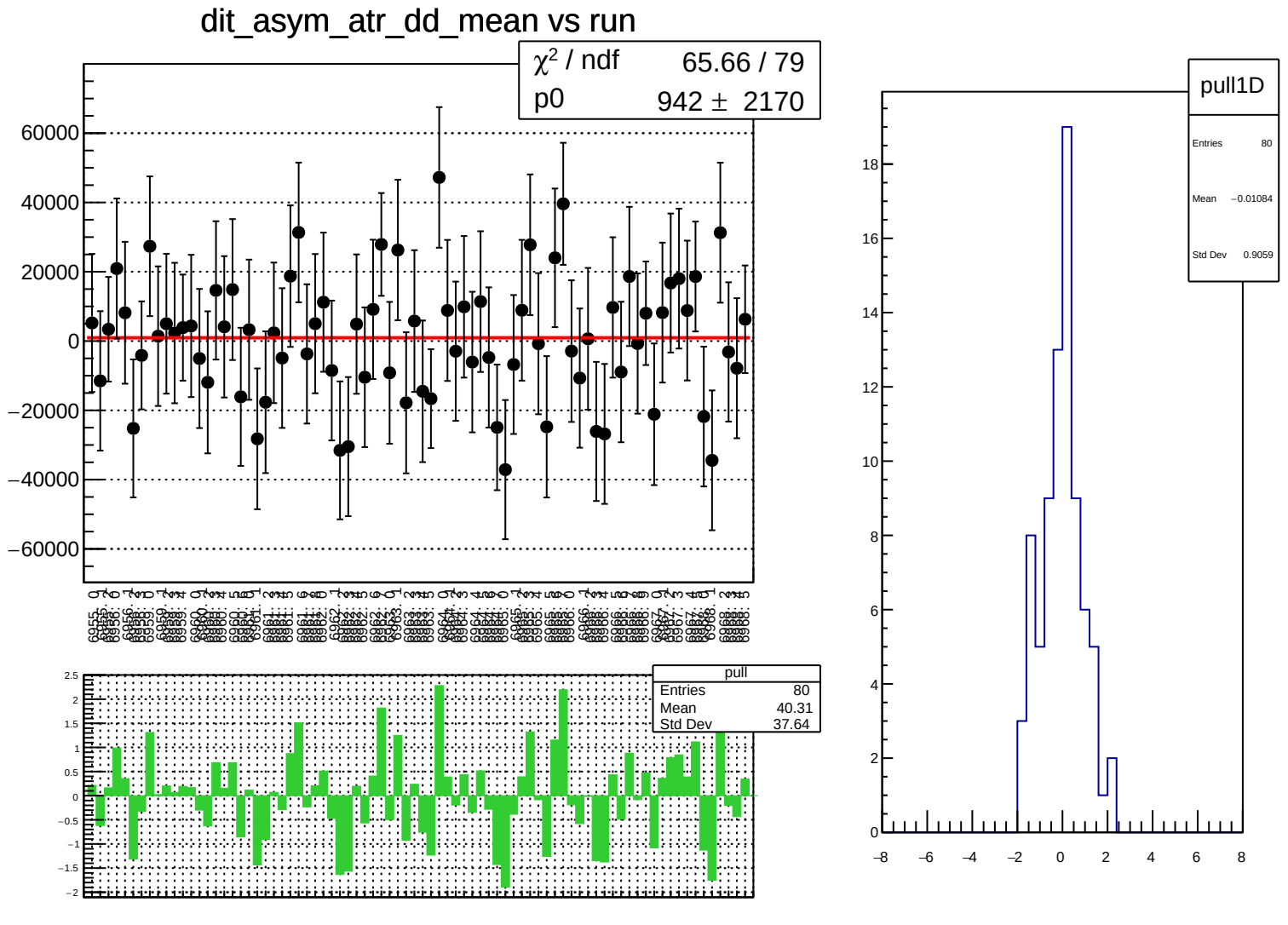

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 84.49 / 79
p0 −4434 ± 6834
pull
Entries 80
Mean −16.5
Std Dev 36.91
pull1D
Entries 80
Mean −0.02104
Std Dev 1.027

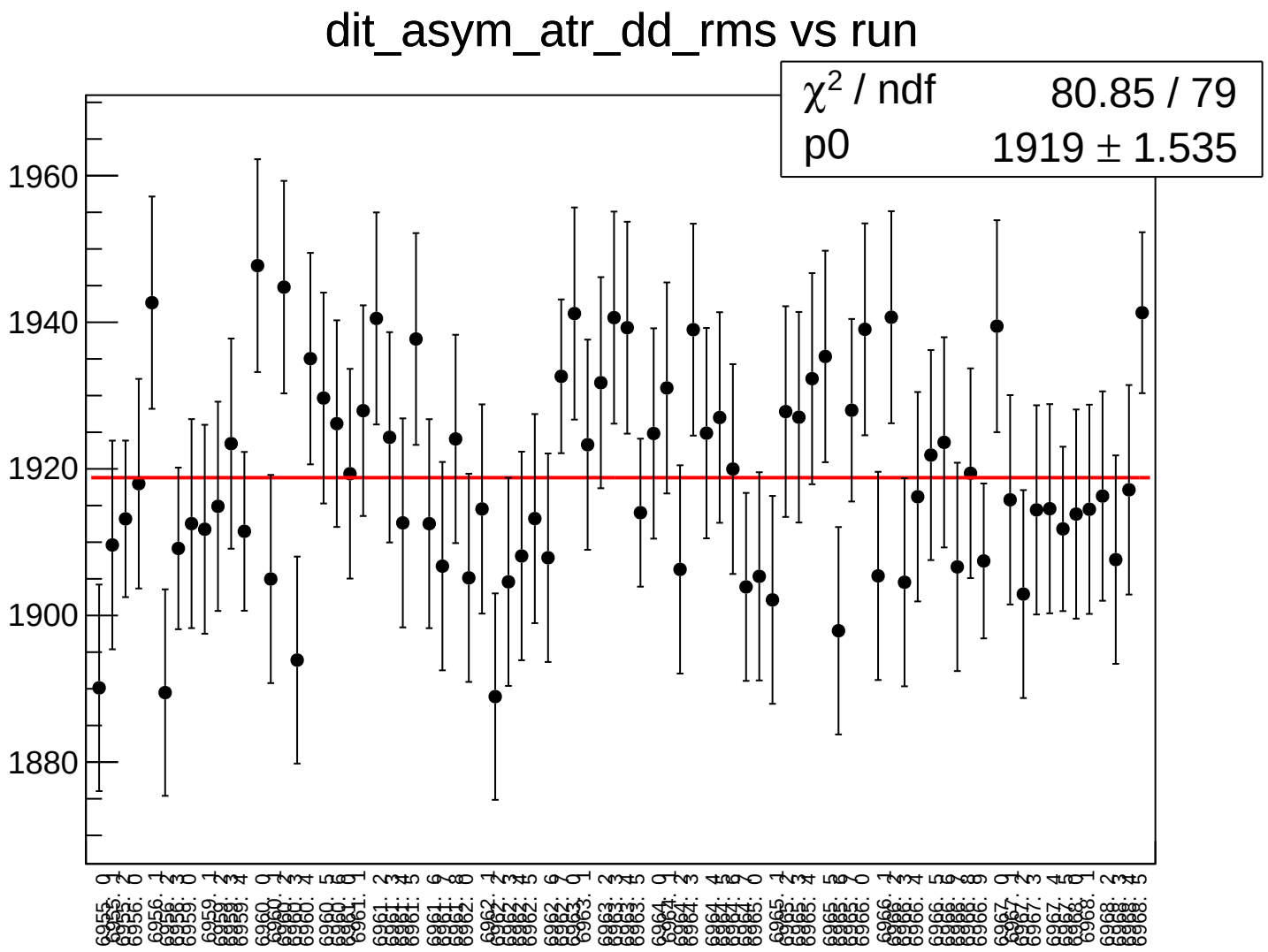

asym_atr_avg_correction_rms vs run
χ² / ndf 1.291e+04 / 79
p0 6017 ± 4.833
7500
7000
6500
6000
5500
5000

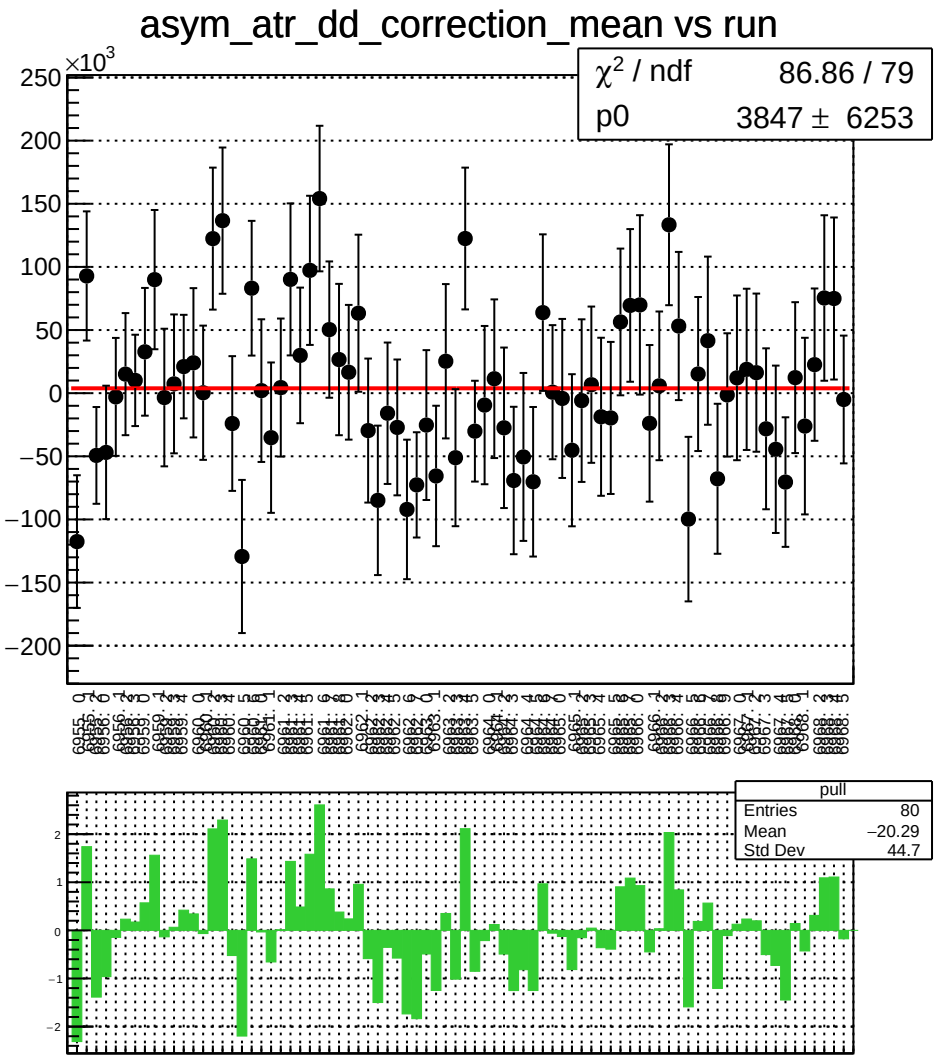

asym_atr_avg_mean vs run
×10^3
χ² / ndf 82.2 / 79
p0 2073 ± 7185
200
100
0
−100
−200
pull
Entries 80
Mean −147.2
Std Dev 177.1
3
2
1
0
−1
−2

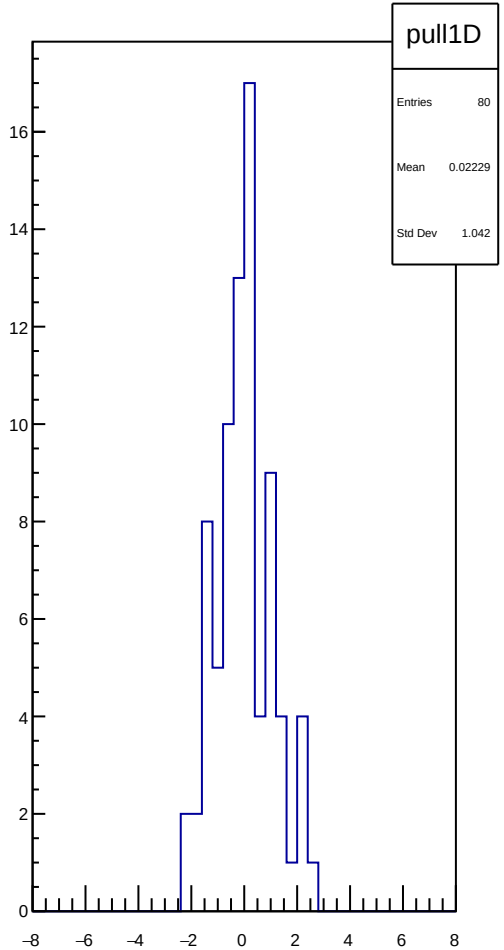

pull1D
Entries 80
Mean 0.01653
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_rms vs run
χ^2 / ndf 1.099e+04 / 79
p0 6330 ± 5.081
8000
7500
7000
6500
6000
5500
5000

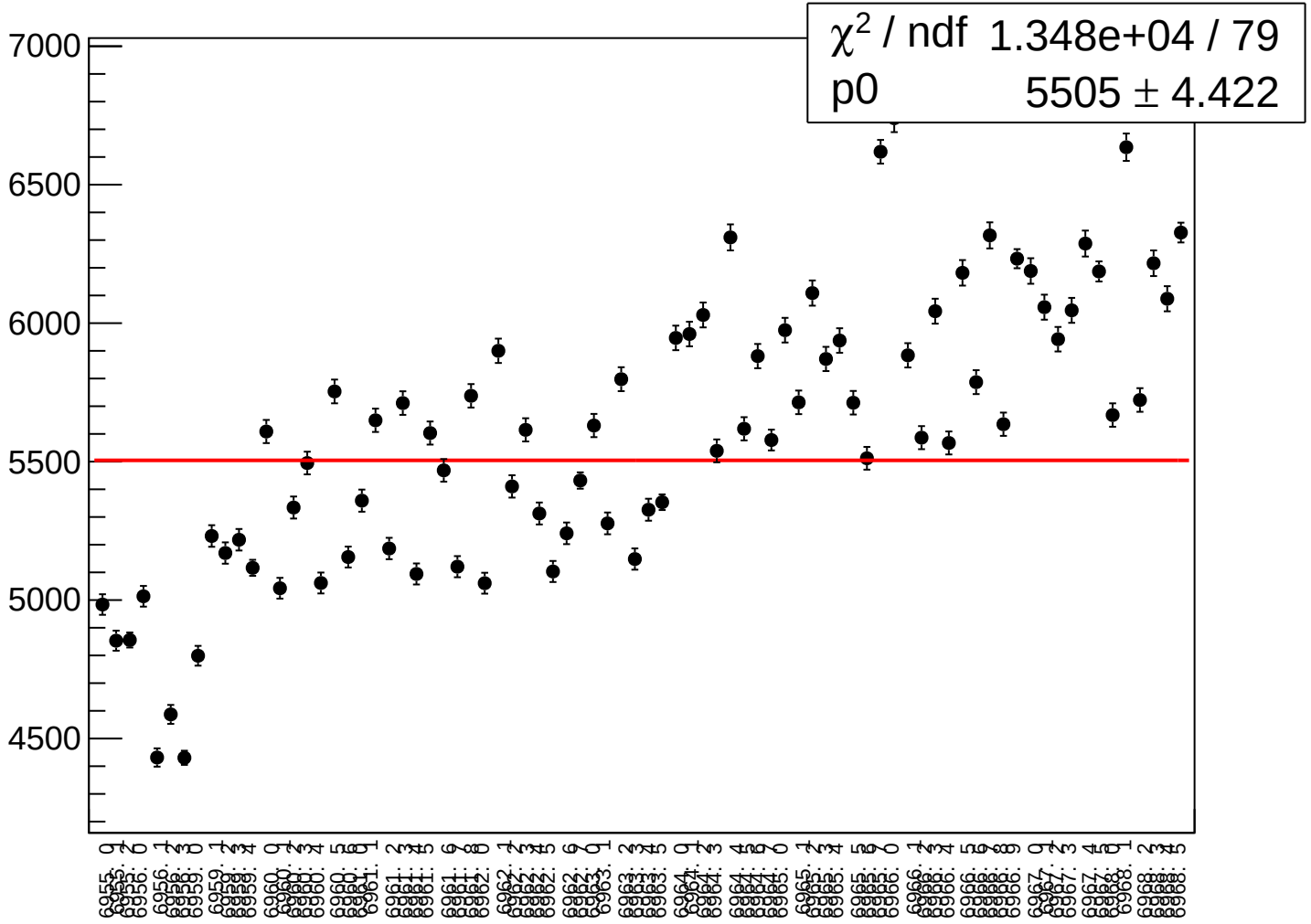

dit_asym_atr_dd_mean vs run
χ² / ndf 65.66 / 79
p0 942 ± 2170
pull
Entries 80
Mean 40.31
Std Dev 37.64
pull1D
Entries 80
Mean −0.01084
Std Dev 0.9059

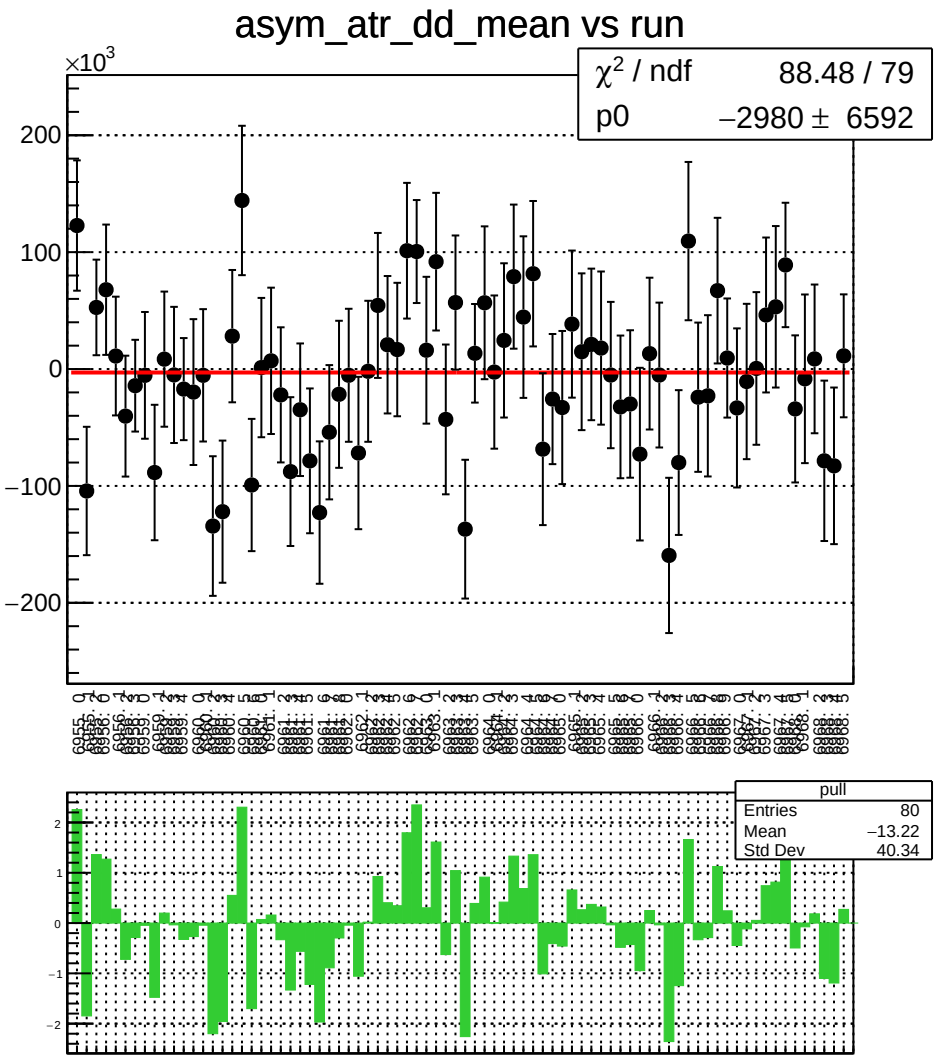

dit_asym_atr_dd_rms vs run
χ² / ndf 80.85 / 79
p0 1919 ± 1.535
1960
1940
1920
1900
1880

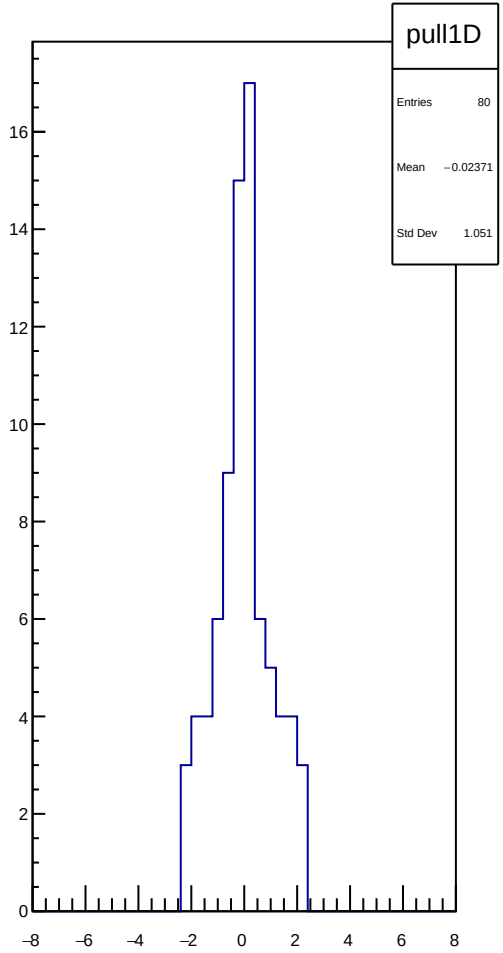

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 86.86 / 79
p0 3847 ± 6253
pull
Entries 80
Mean −20.29
Std Dev 44.7

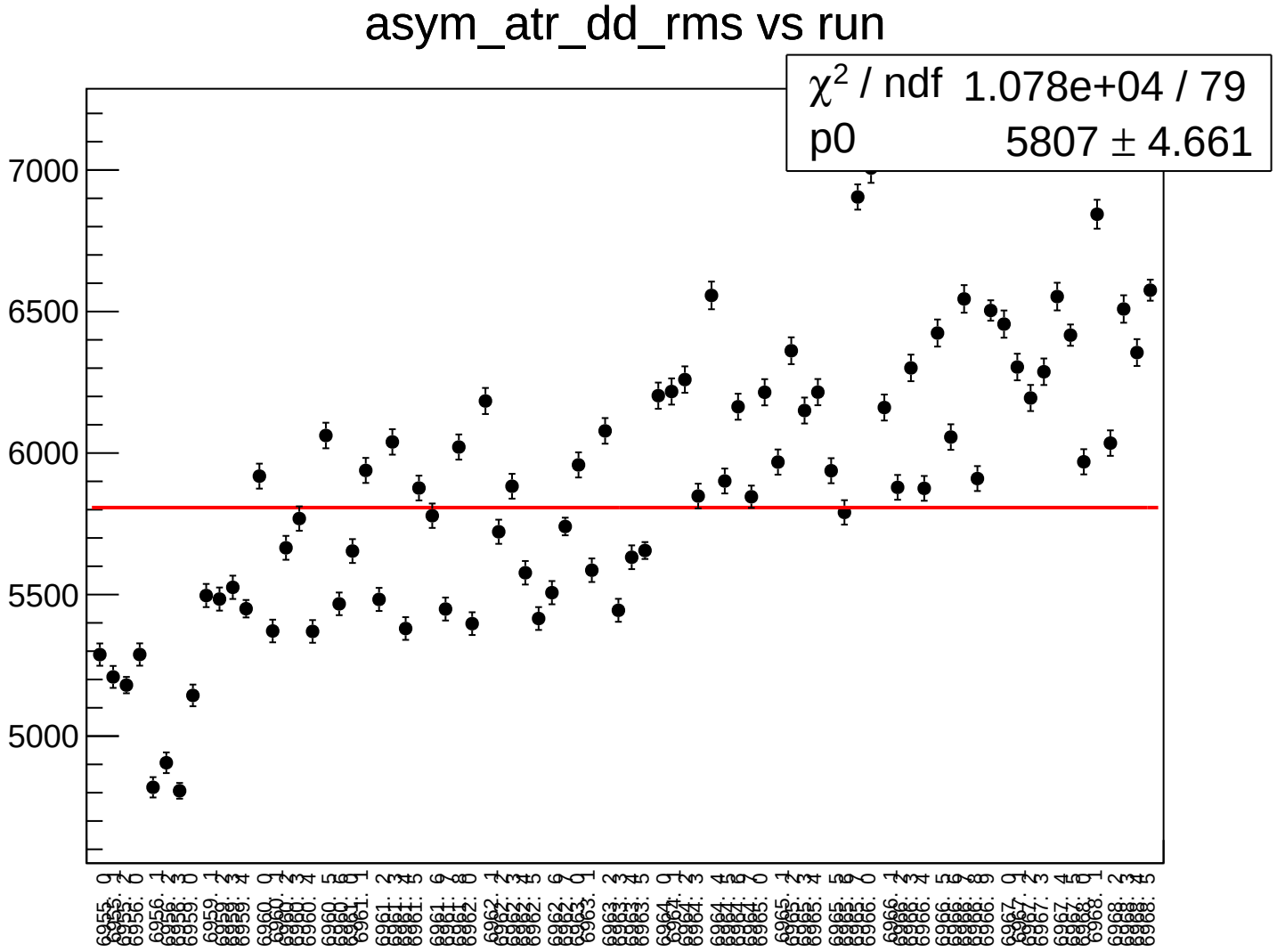

pull1D
Entries 80
Mean 0.02229
Std Dev 1.042

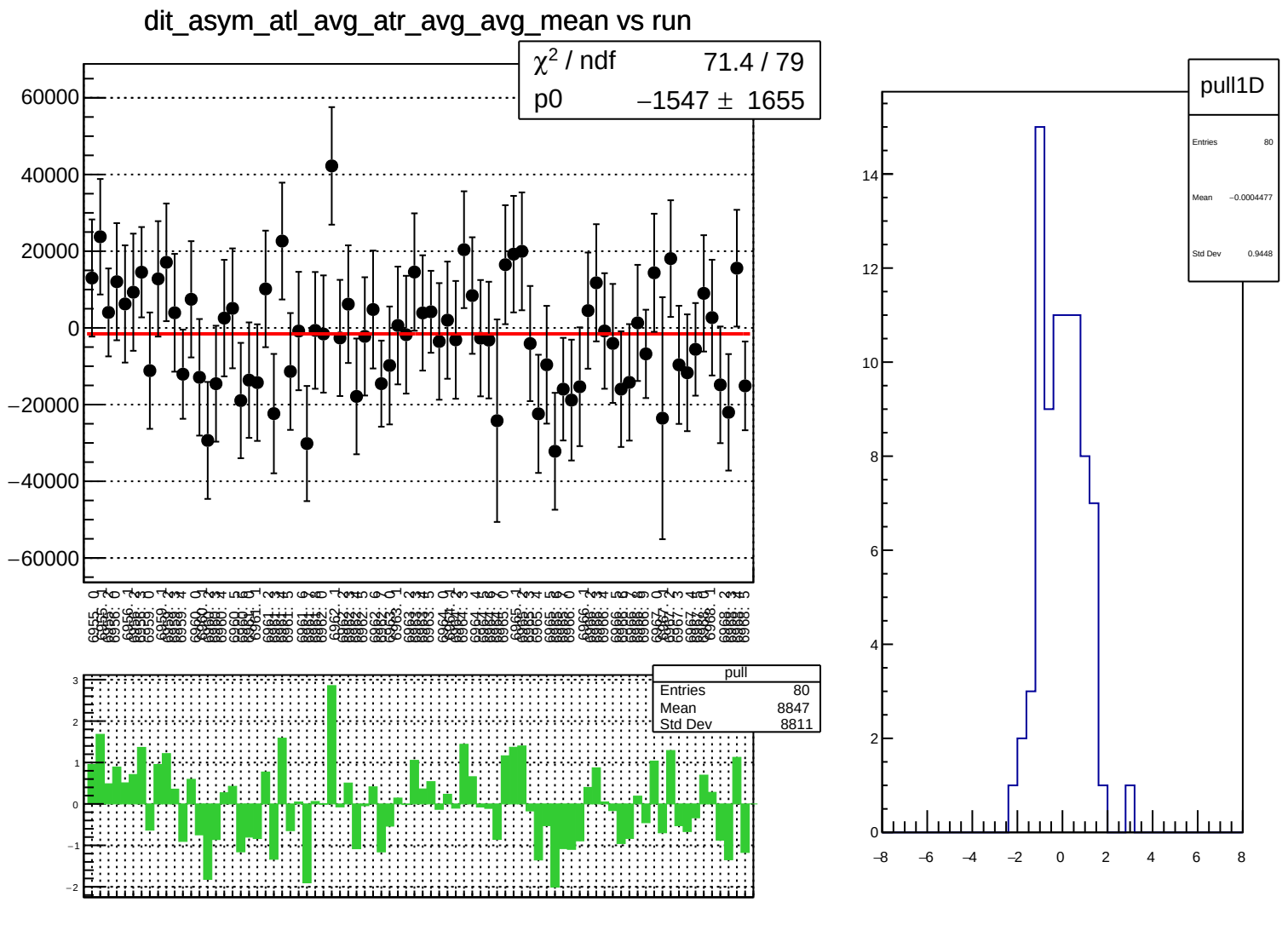
asym_atr_dd_correction_rms vs run



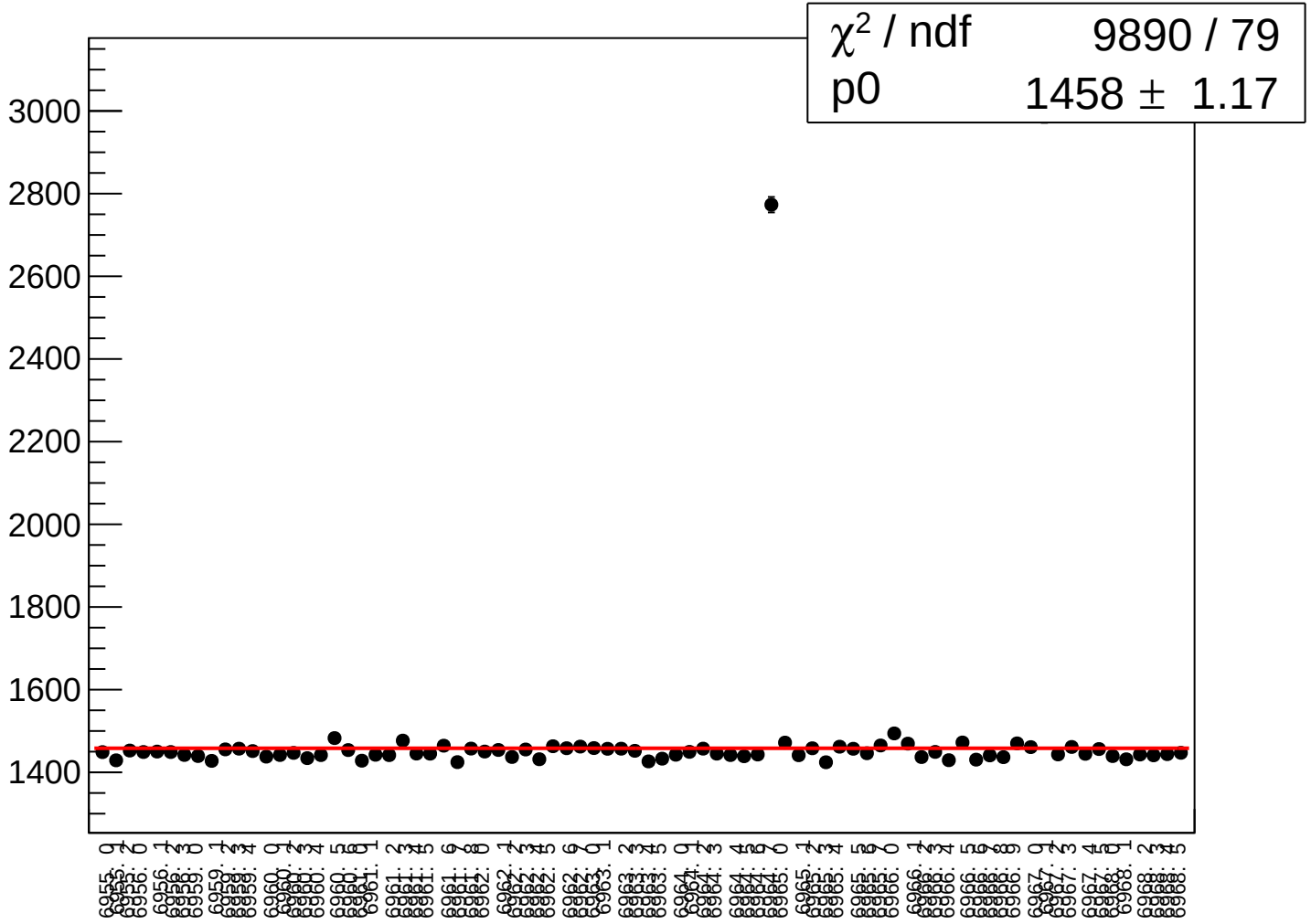

asym_atr_dd_mean vs run
×10^3
χ² / ndf 88.48 / 79
p0 −2980 ± 6592
200
100
0
−100
−200
pull
Entries 80
Mean −13.22
Std Dev 40.34
2
1
0
−1
−2

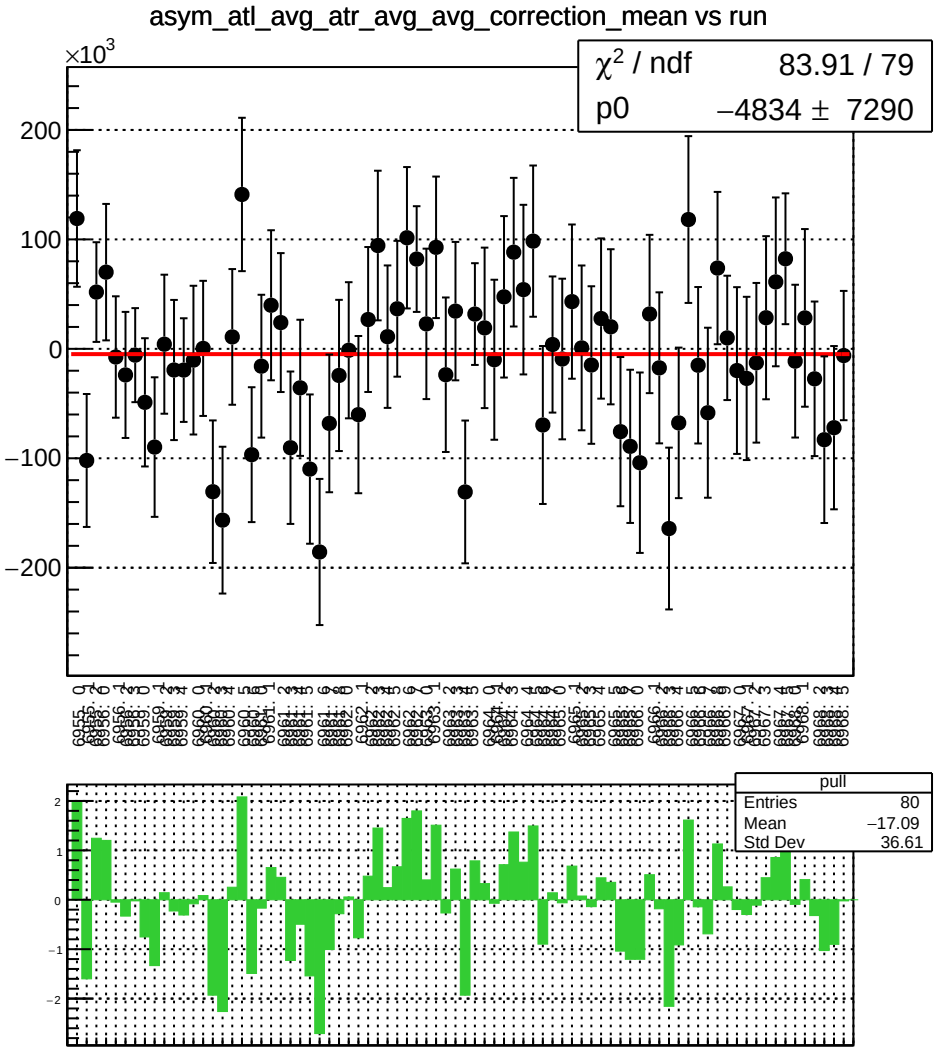

pull1D
Entries 80
Mean −0.02371
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

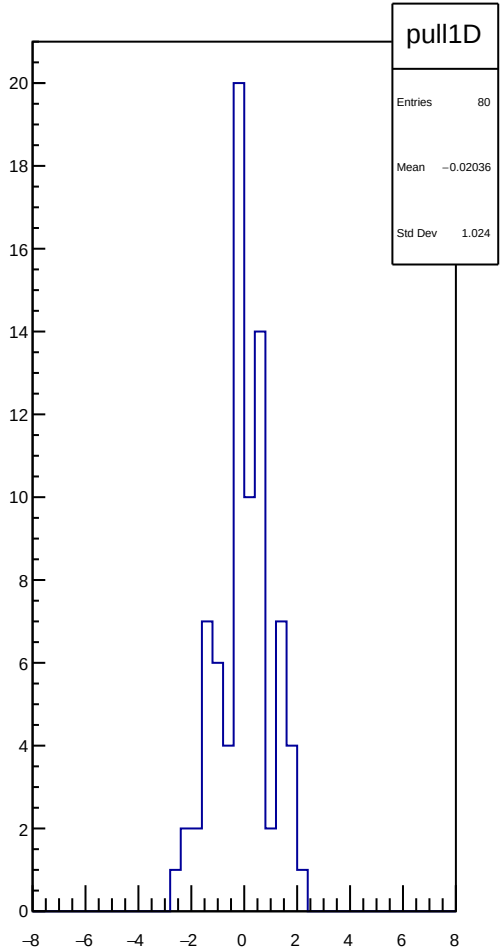

asym_atr_dd_rms vs run
χ² / ndf 1.078e+04 / 79
p0 5807 ± 4.661
7000
6500
6000
5500
5000

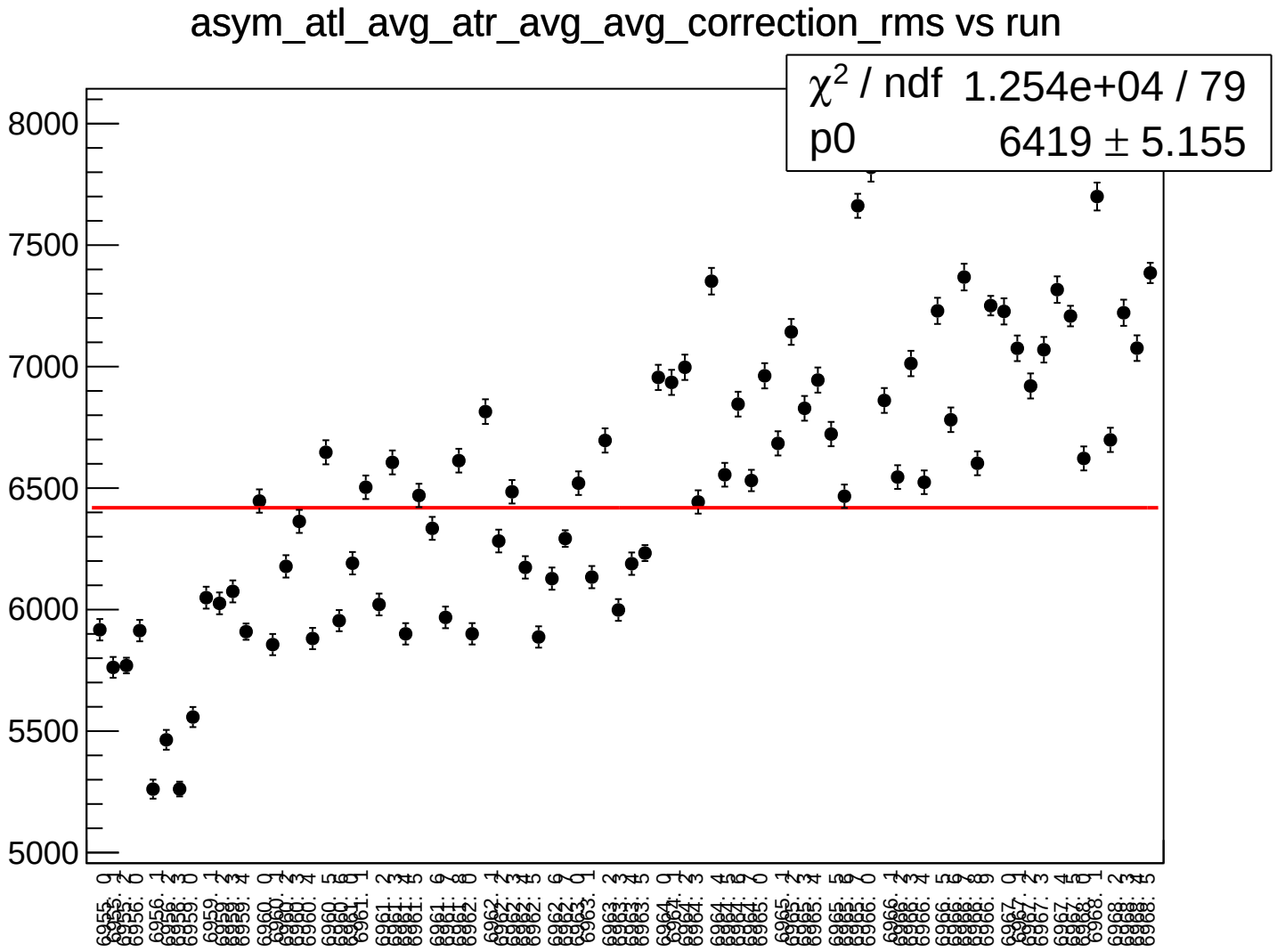

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 71.4 / 79
p0 −1547 ± 1655
pull
Entries 80
Mean 8847
Std Dev 8811
pull1D
Entries 80
Mean −0.0004477
Std Dev 0.9448

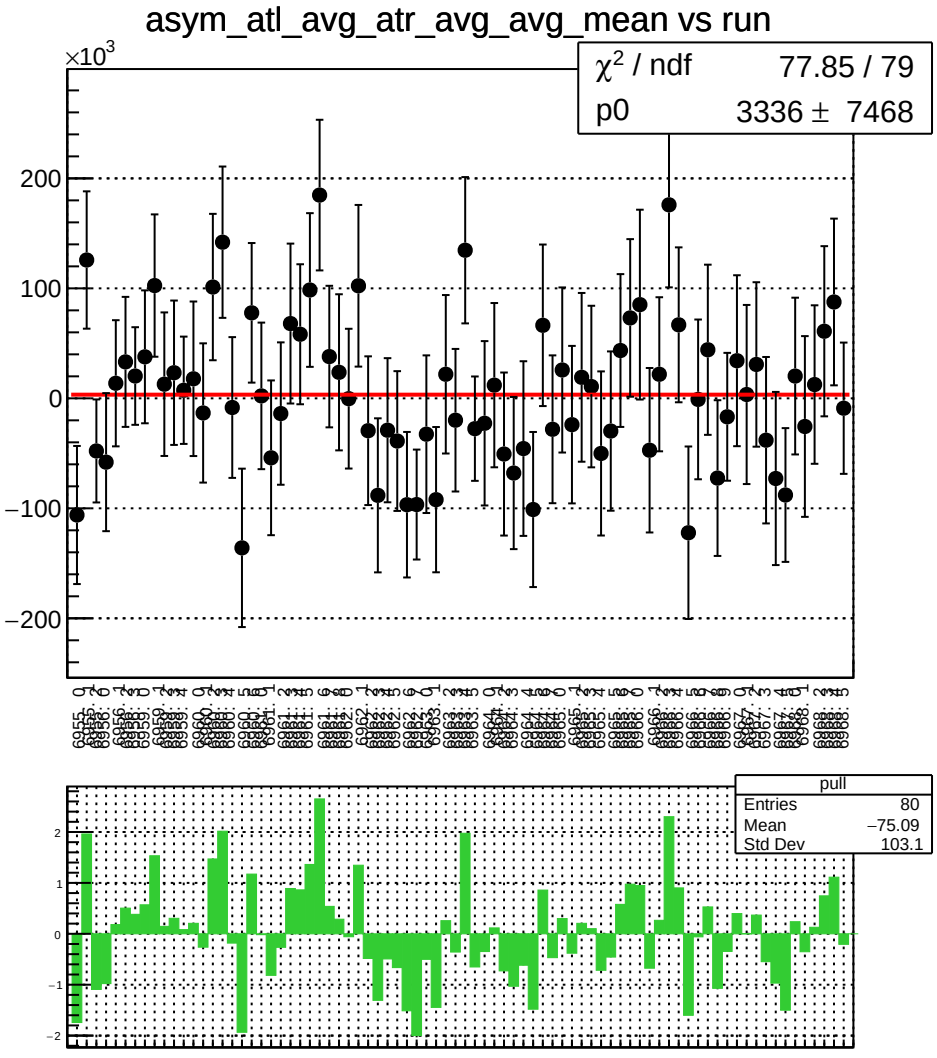
dit_asym_atl_avg_atr_avg_avg_rms vs run

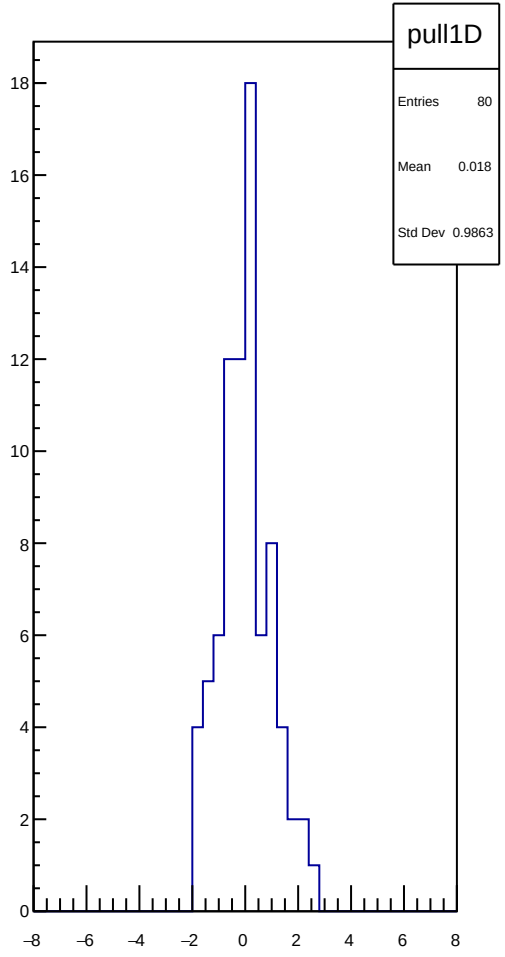



asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 83.91 / 79
p0 −4834 ± 7290
pull
Entries 80
Mean −17.09
Std Dev 36.61

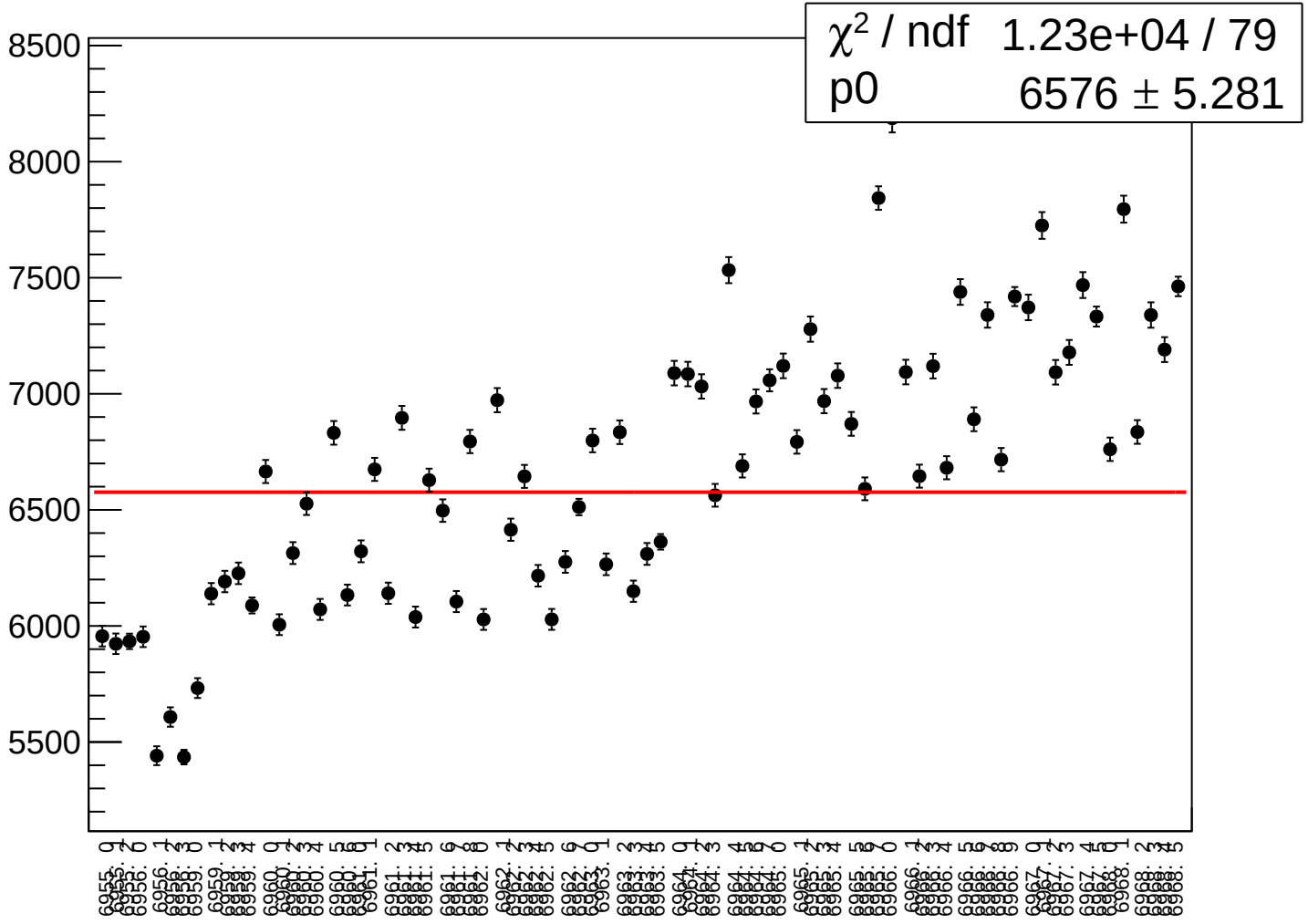

pull1D
Entries 80
Mean −0.02036
Std Dev 1.024

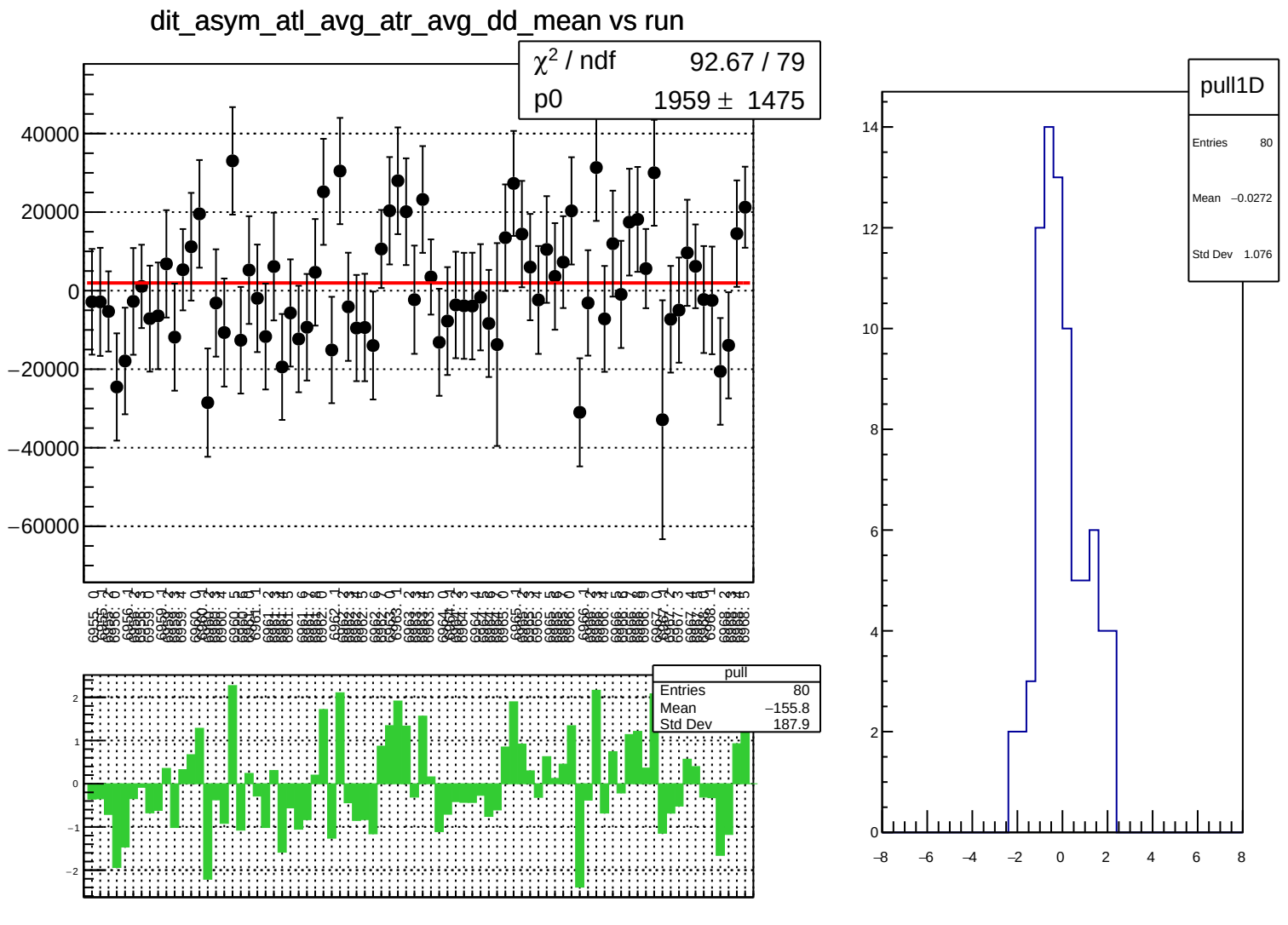

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.254e+04 / 79
p0 6419 ± 5.155
8000
7500
7000
6500
6000
5500
5000

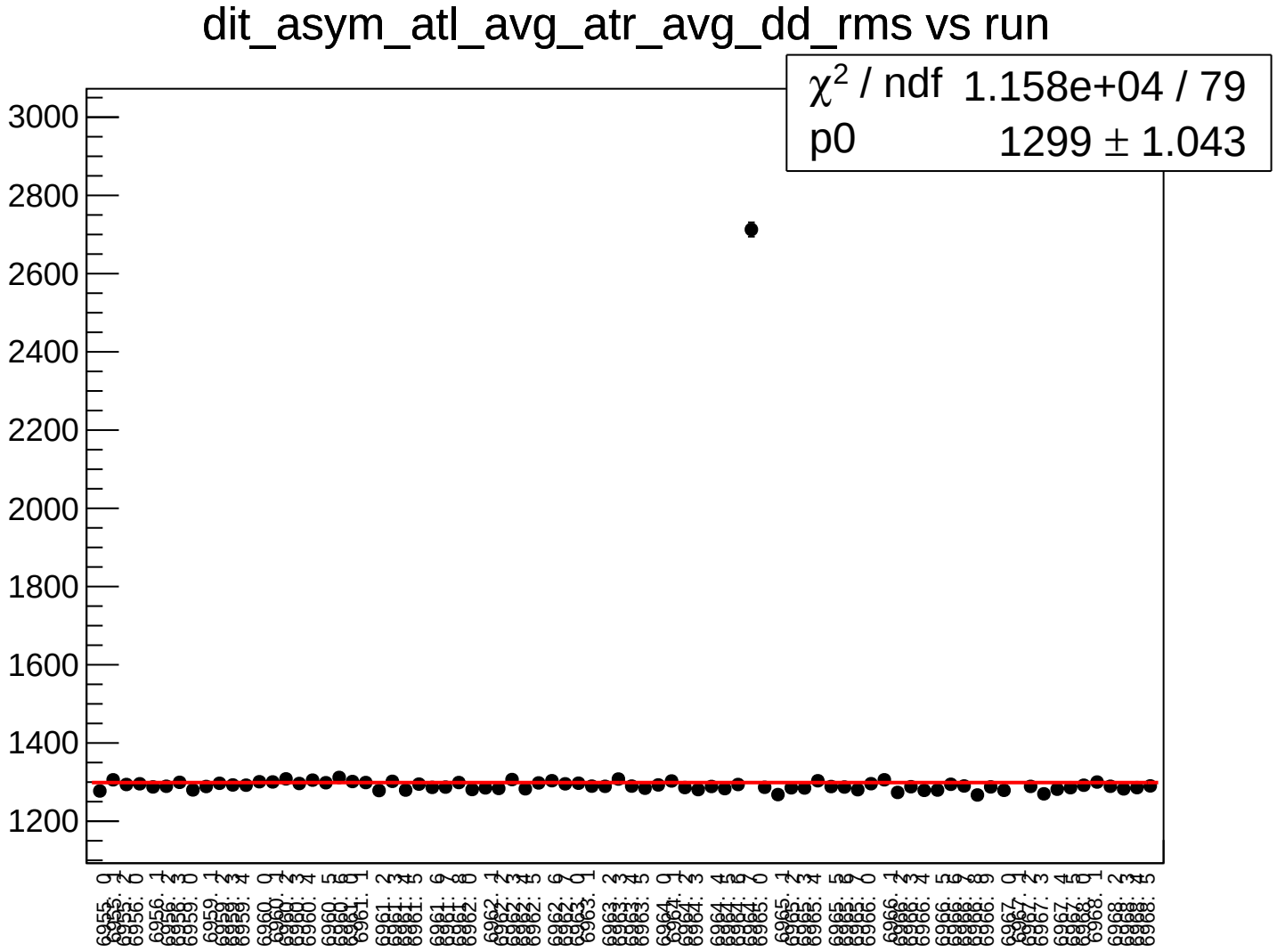

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 77.85 / 79
p0 3336 ± 7468
200
100
0
−100
−200
pull
Entries 80
Mean −75.09
Std Dev 103.1
2
1
0
−1
−2

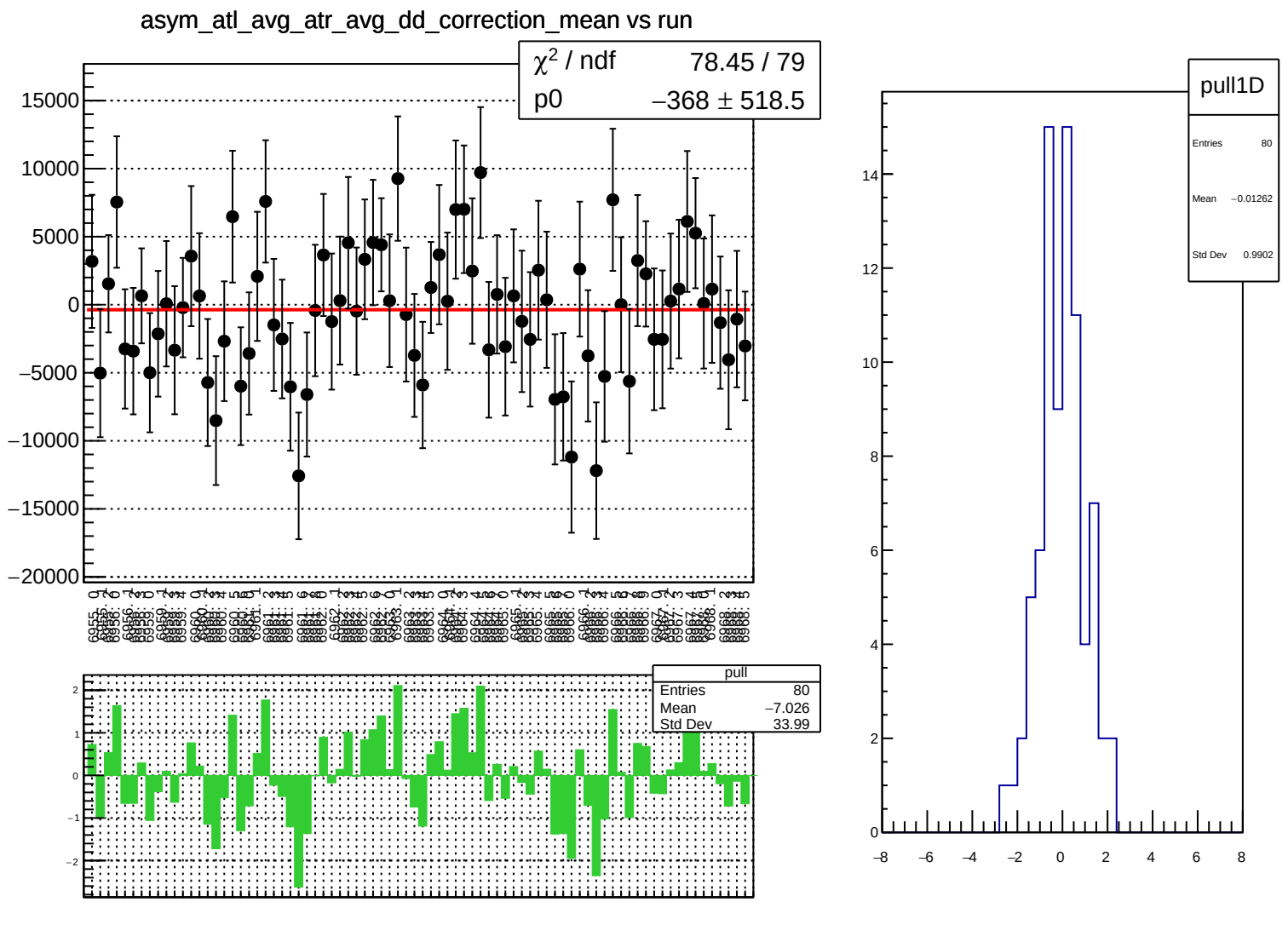

pull1D
Entries 80
Mean 0.018
Std Dev 0.9863
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

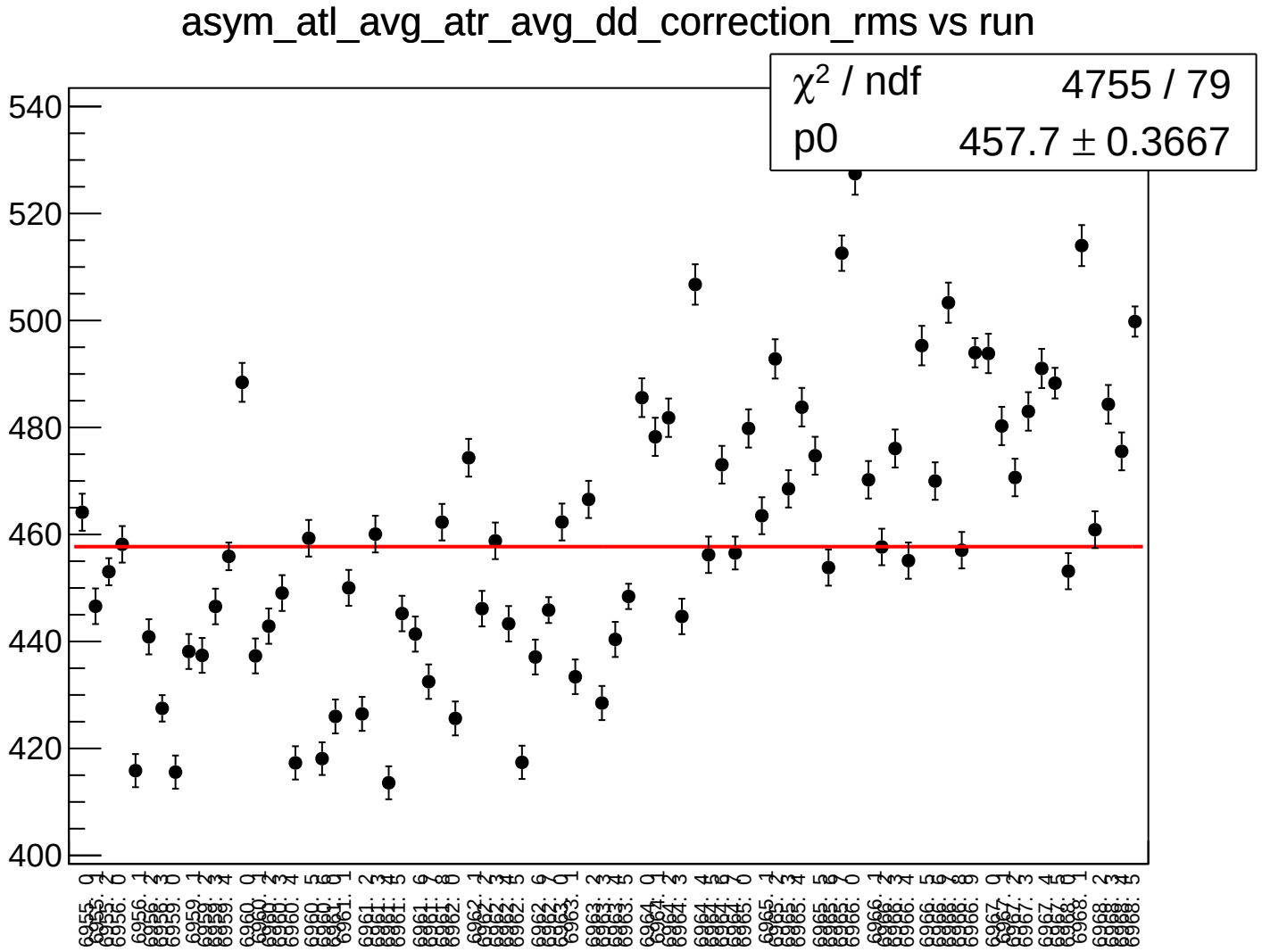
asym_atl_avg_atr_avg_avg_rms vs run

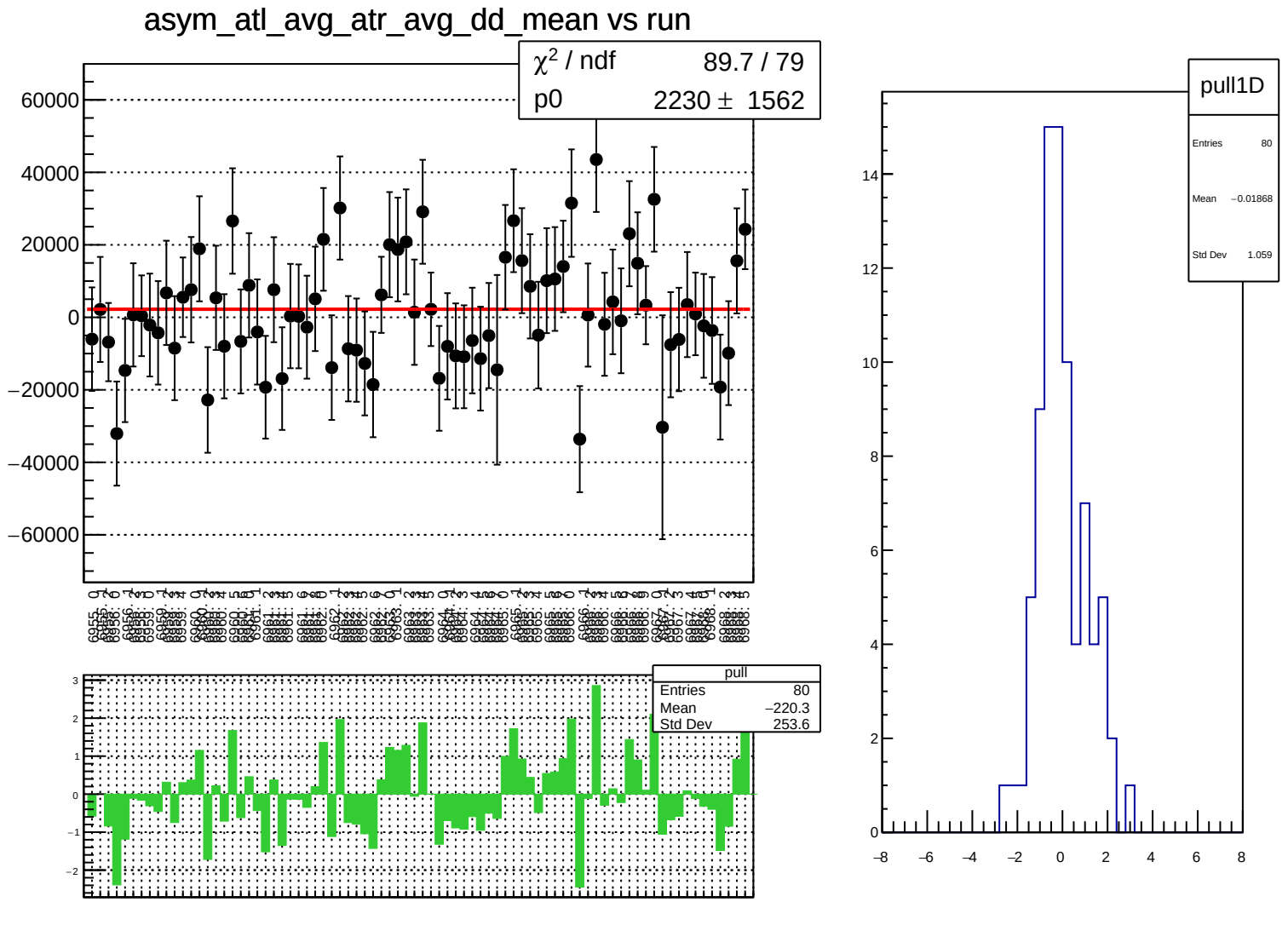



dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 92.67 / 79
p0 1959 ± 1475
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −155.8
Std Dev 187.9
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.0272
Std Dev 1.076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

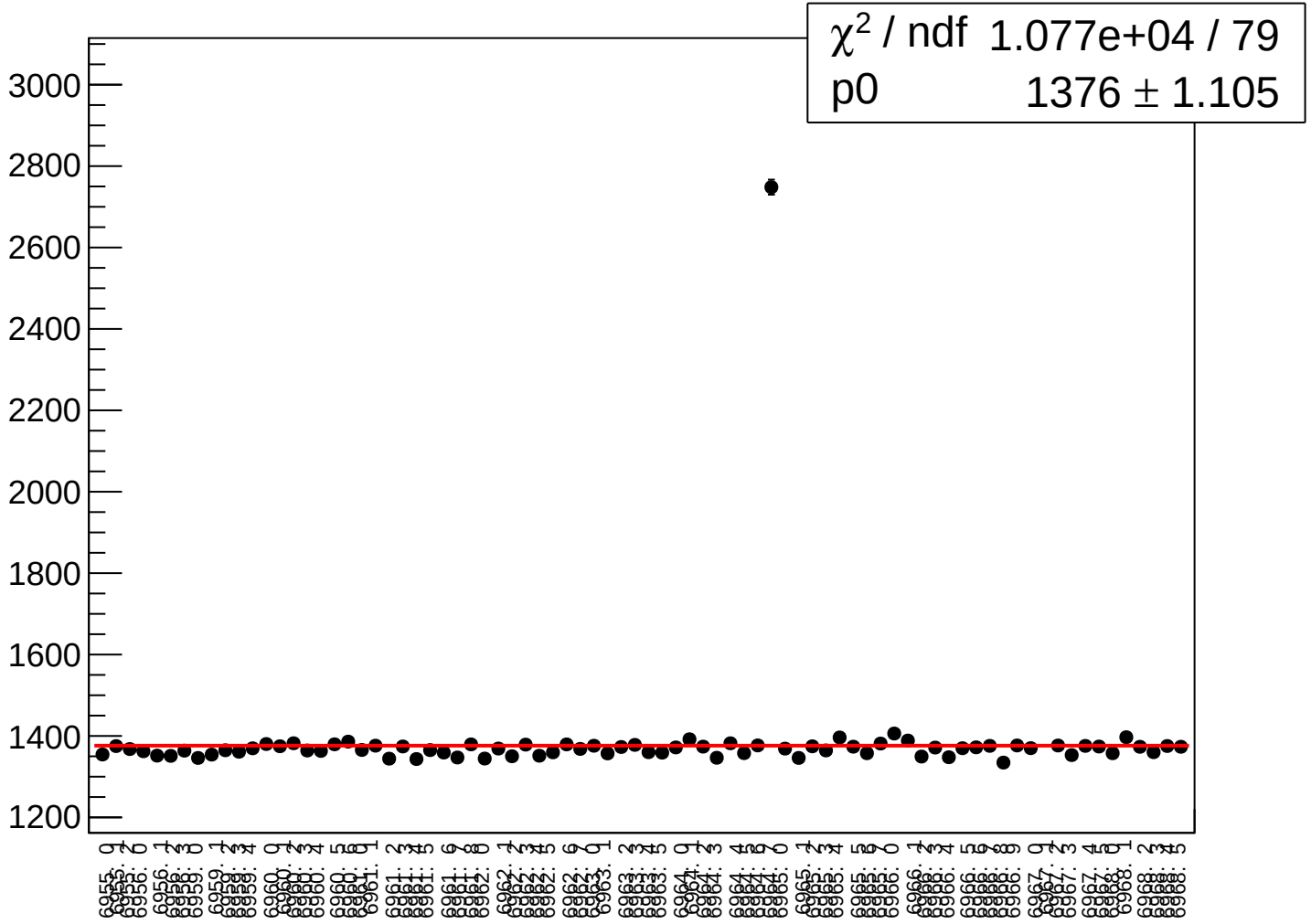

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.158e+04 / 79
p0 1299 ± 1.043
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

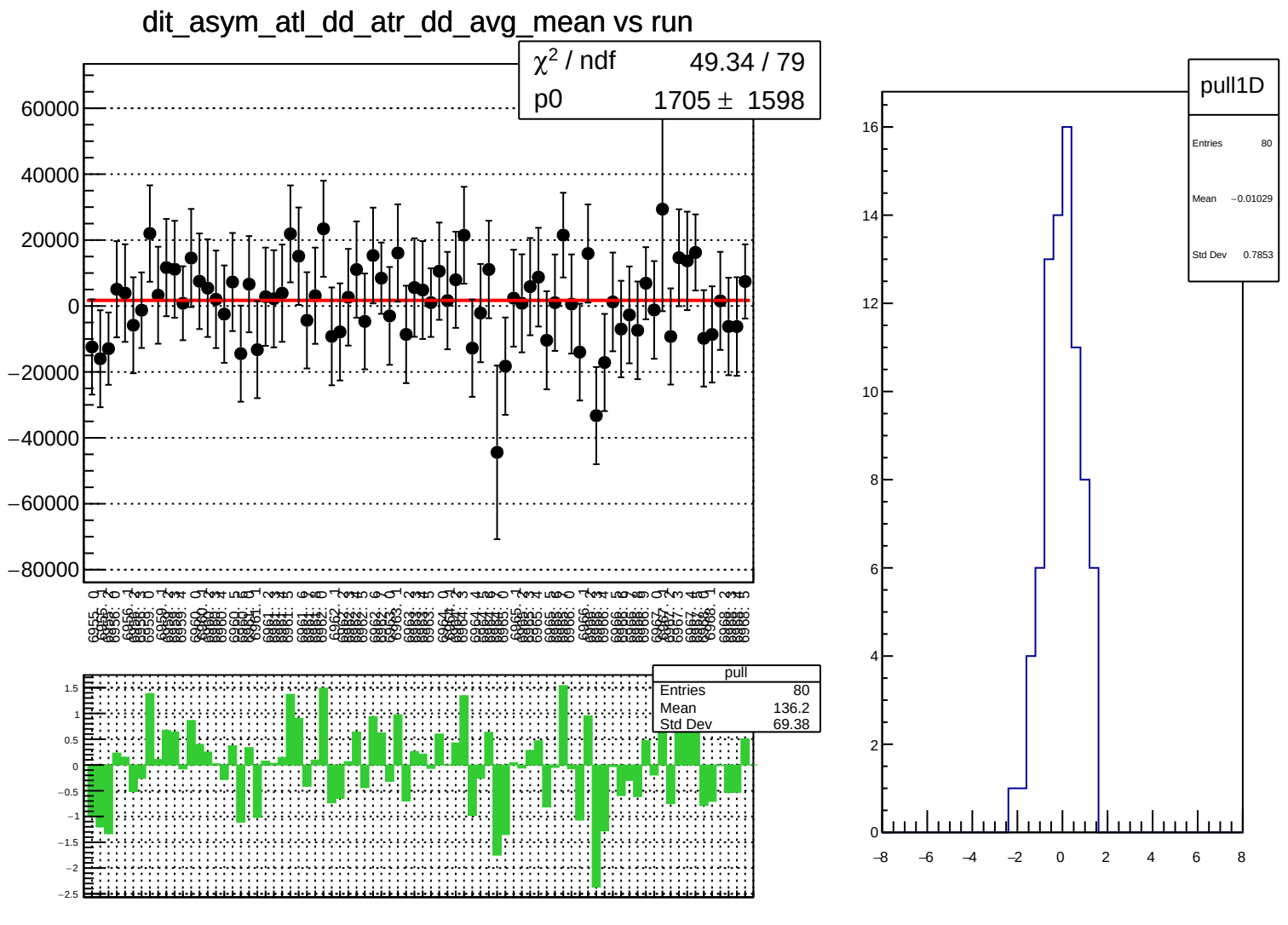

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 78.45 / 79
p0 −368 ± 518.5
pull
Entries 80
Mean −7.026
Std Dev 33.99
pull1D
Entries 80
Mean −0.01262
Std Dev 0.9902


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4755 / 79
p0 457.7 ± 0.3667
540
520
500
480
460
440
420
400

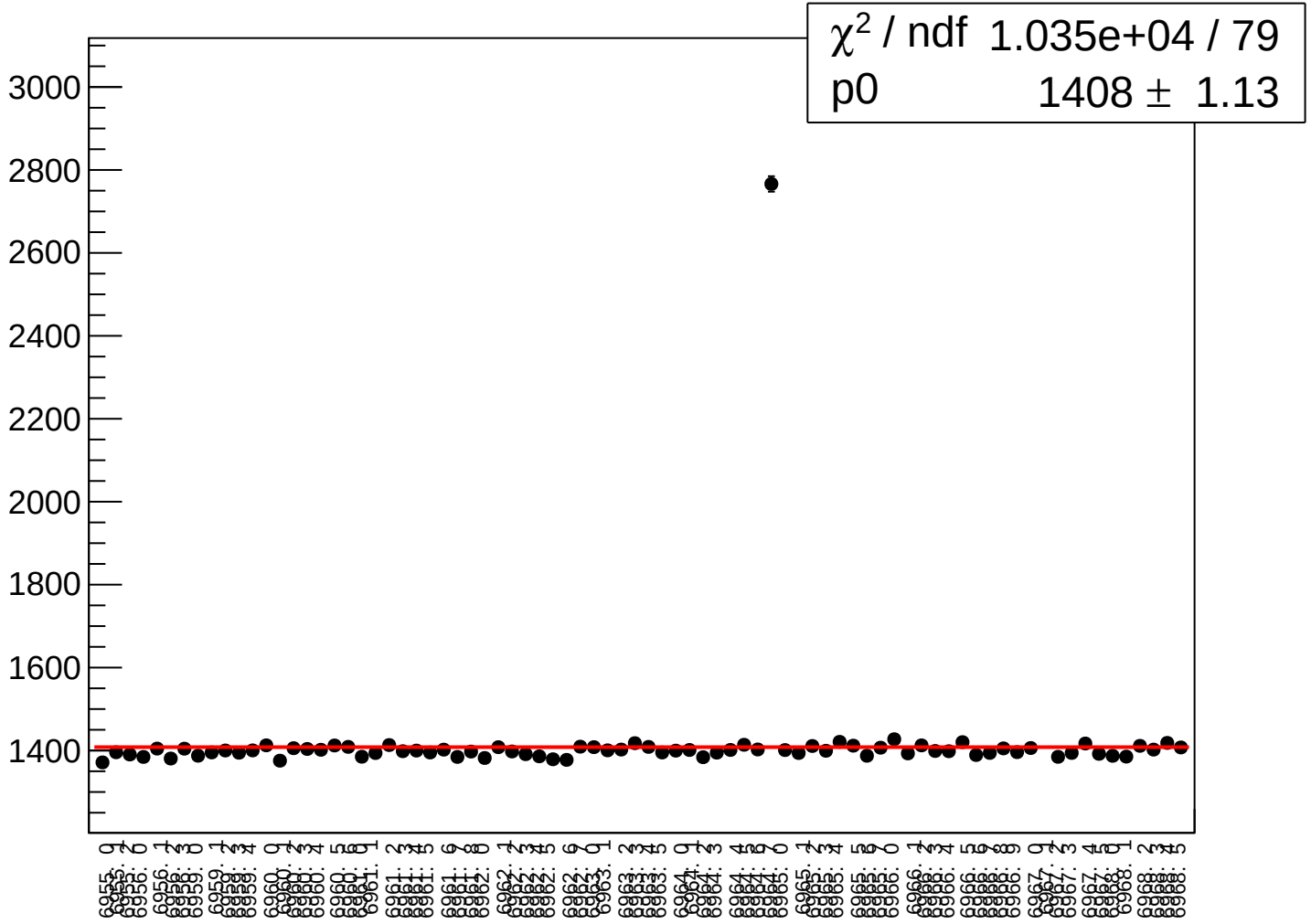

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.7 / 79
p0 2230 ± 1562
pull
Entries 80
Mean −220.3
Std Dev 253.6
pull1D
Entries 80
Mean −0.01868
Std Dev 1.059

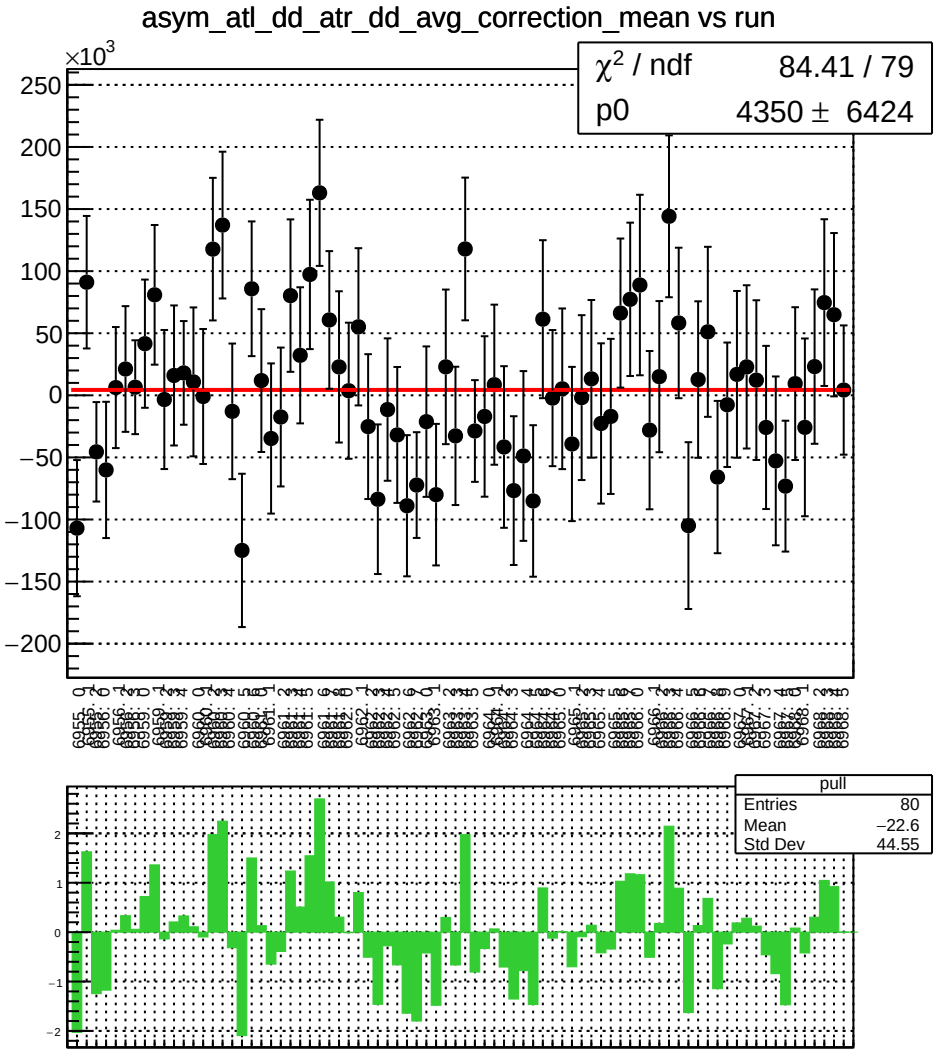
asym_atl_avg_atr_avg_dd_rms vs run

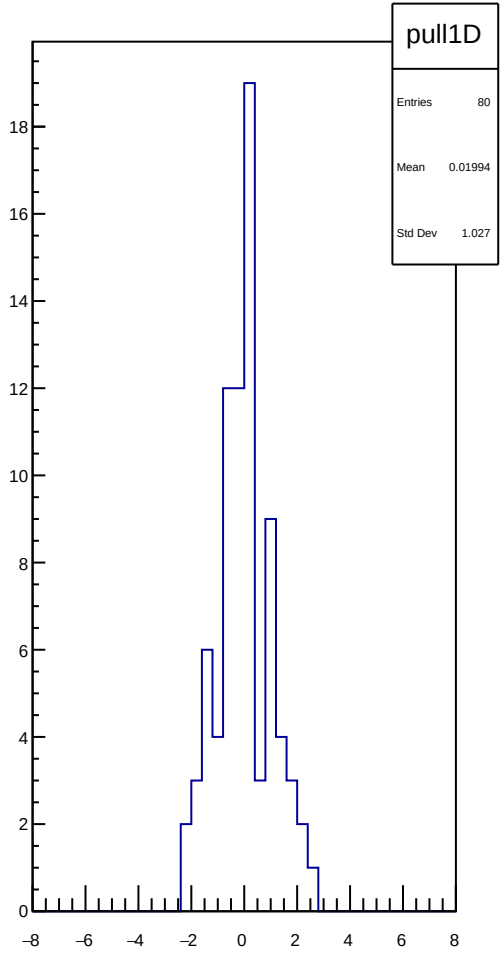


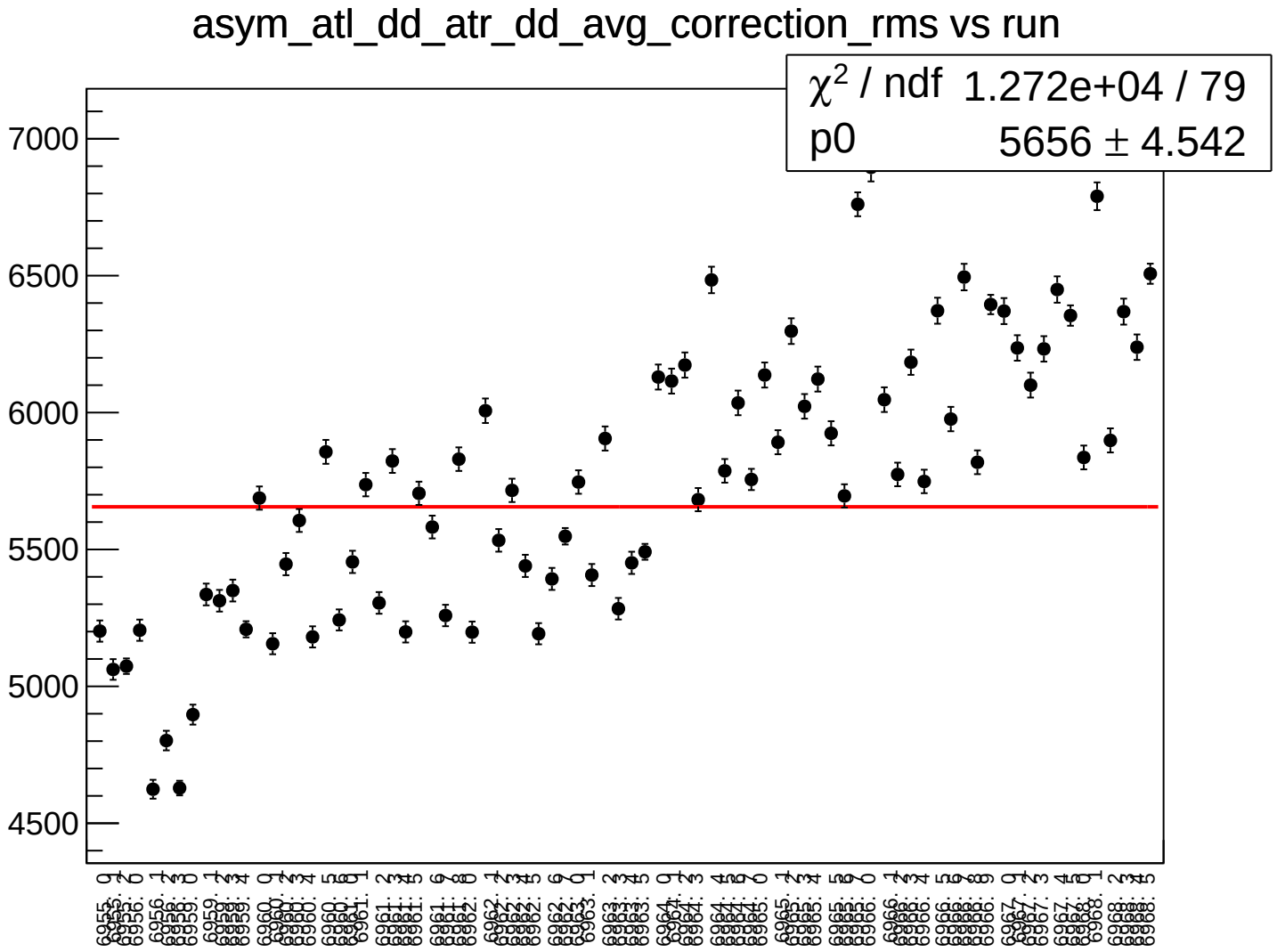

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 49.34 / 79
p0 1705 ± 1598
pull
Entries 80
Mean 136.2
Std Dev 69.38
pull1D
Entries 80
Mean −0.01029
Std Dev 0.7853

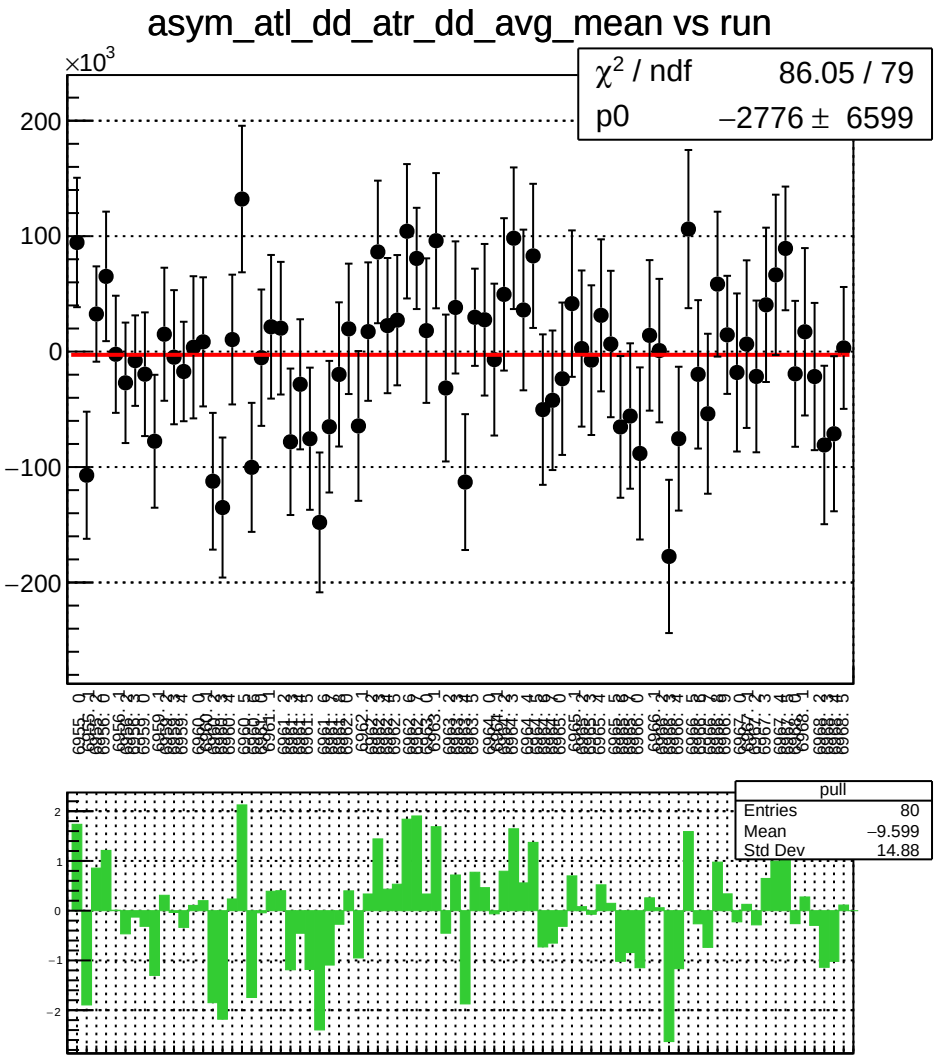
dit_asym_atl_dd_atr_dd_avg_rms vs run

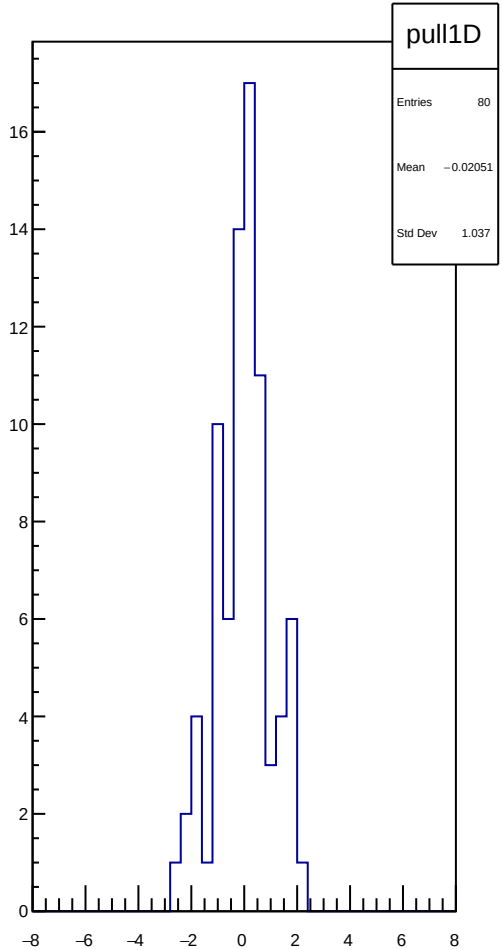



asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 84.41 / 79
p0 4350 ± 6424
pull
Entries 80
Mean −22.6
Std Dev 44.55

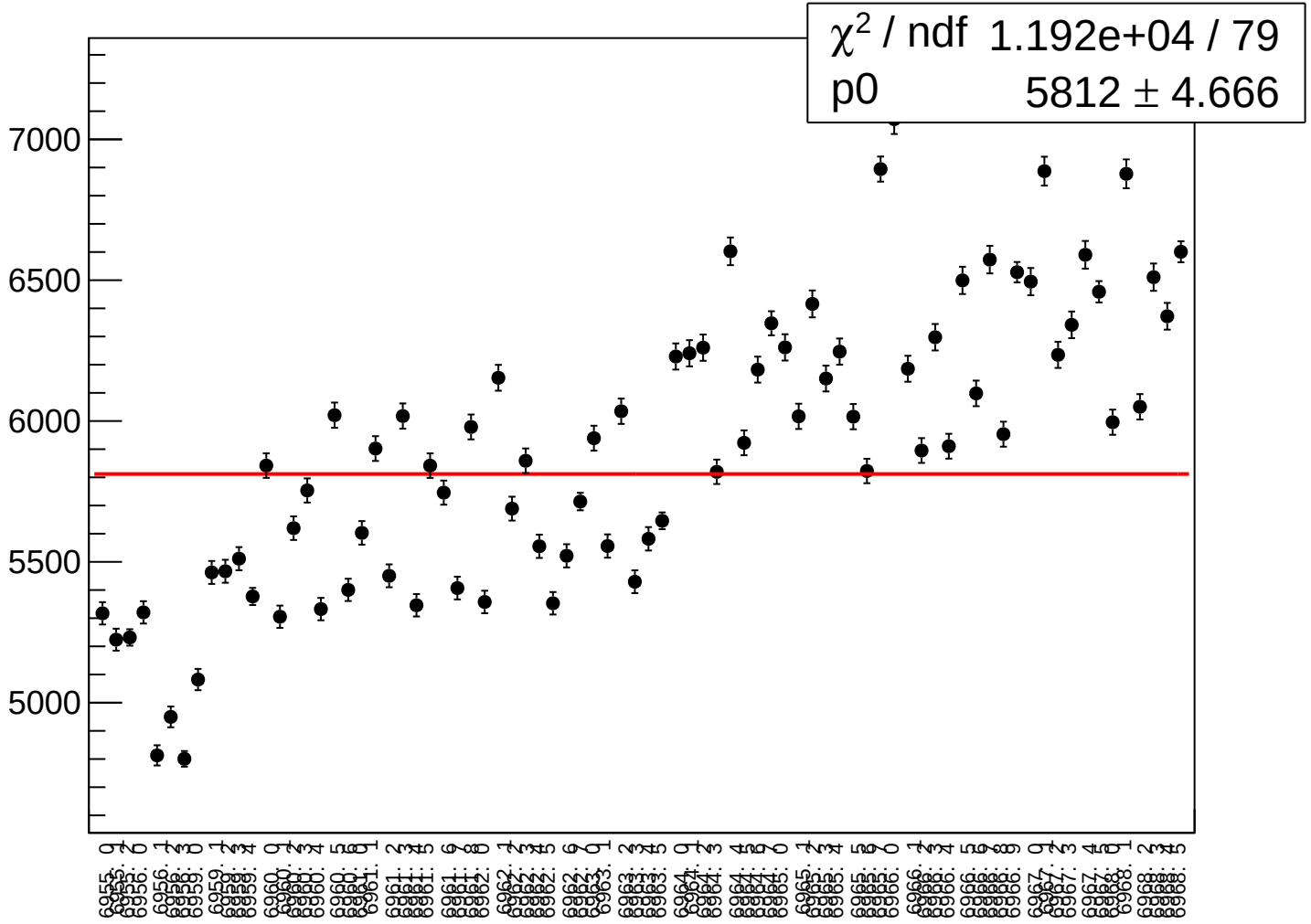

pull1D
Entries 80
Mean 0.01994
Std Dev 1.027

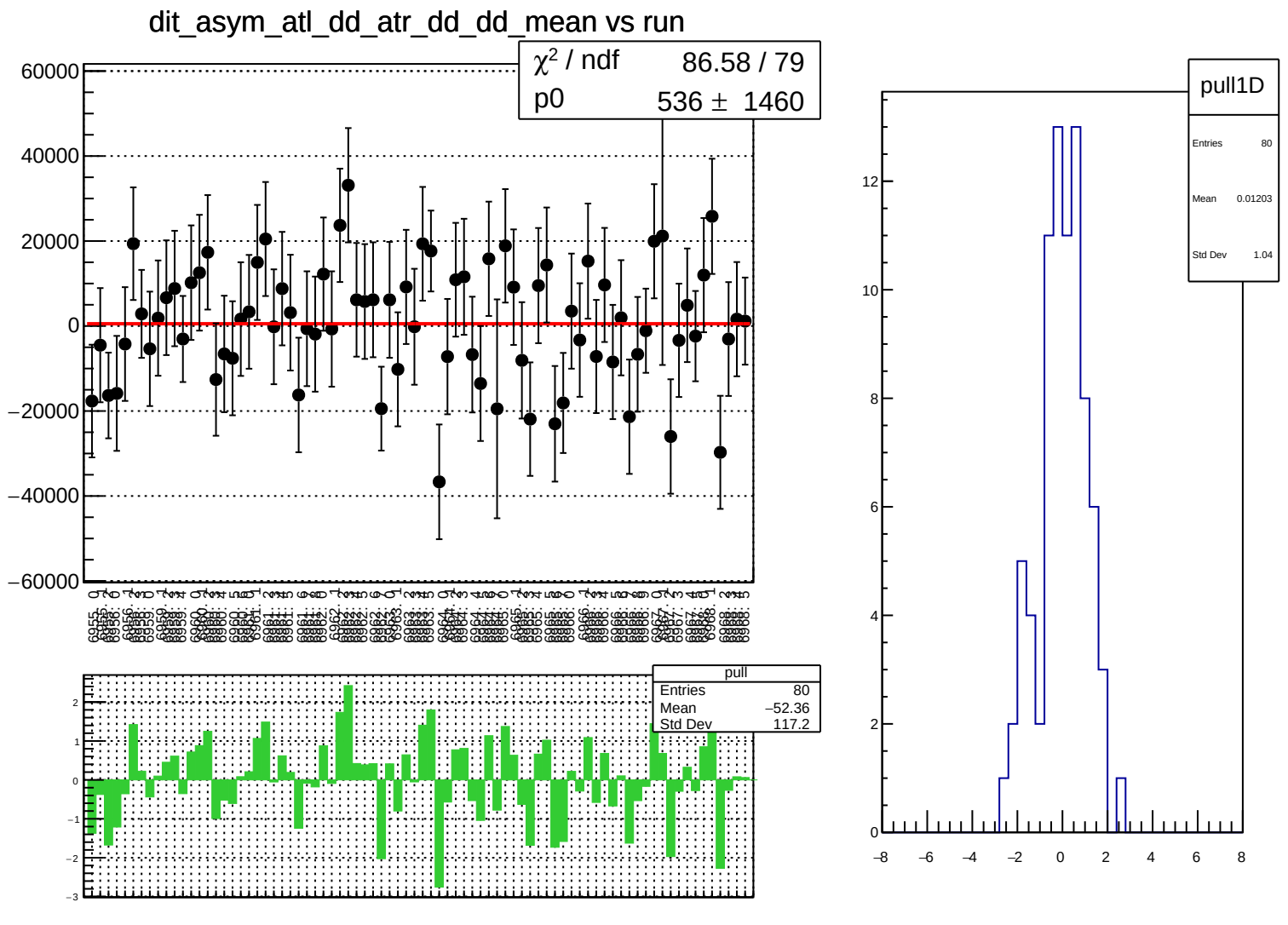

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.272e+04 / 79
p0 5656 ± 4.542
7000
6500
6000
5500
5000
4500


asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 86.05 / 79
p0 −2776 ± 6599
pull
Entries 80
Mean −9.599
Std Dev 14.88

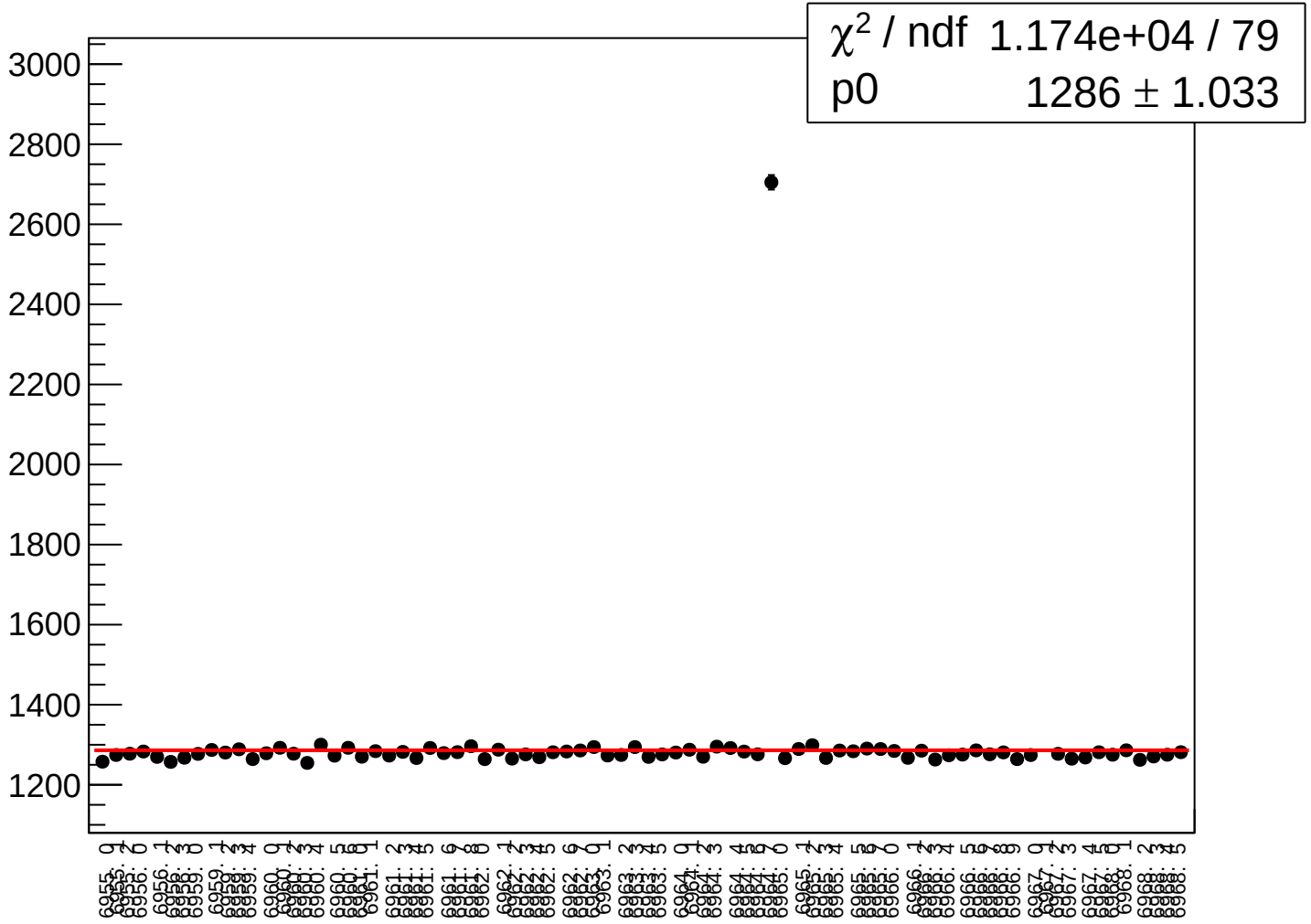

pull1D
Entries 80
Mean −0.02051
Std Dev 1.037

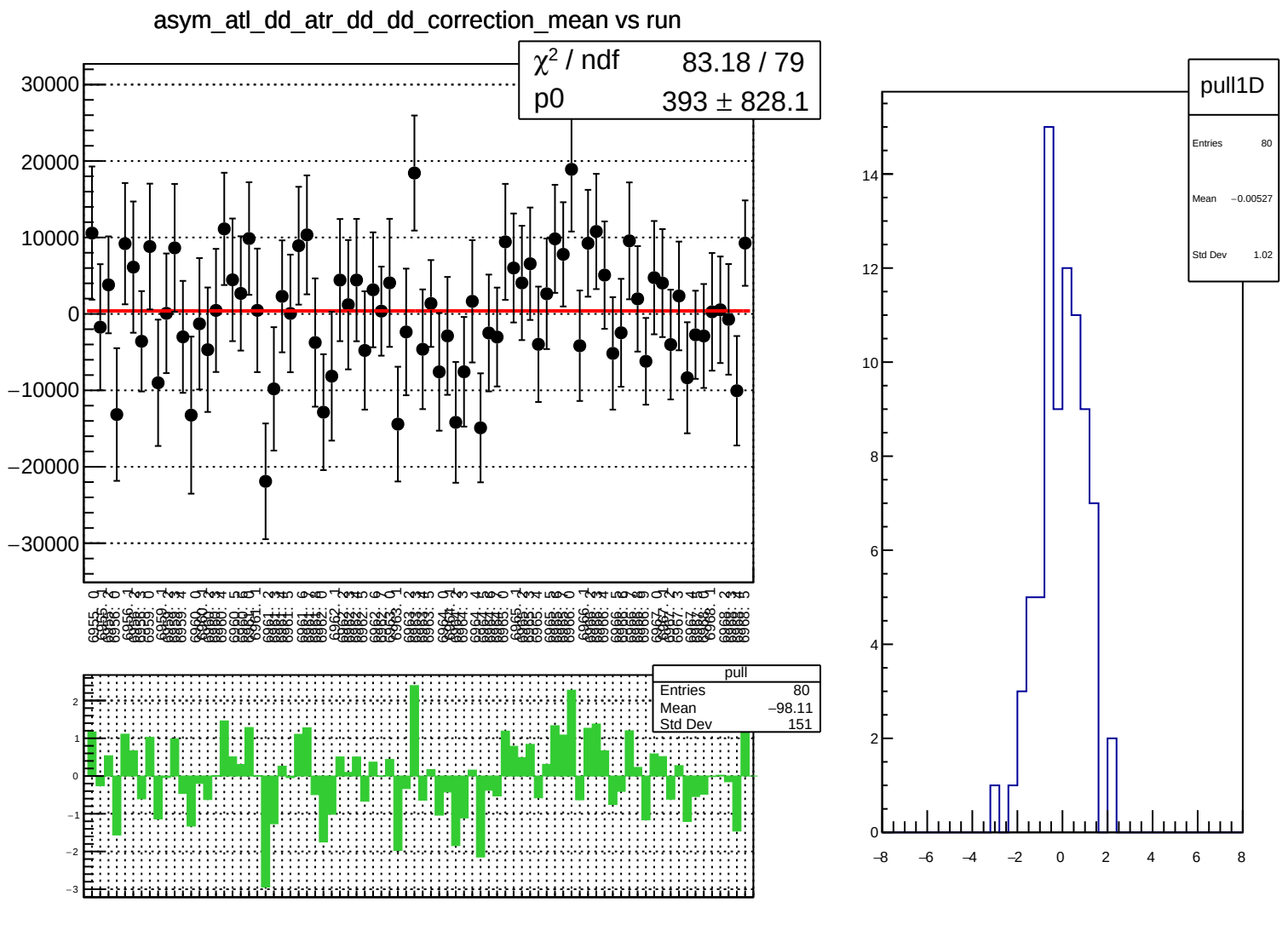
asym_atl_dd_atr_dd_avg_rms vs run

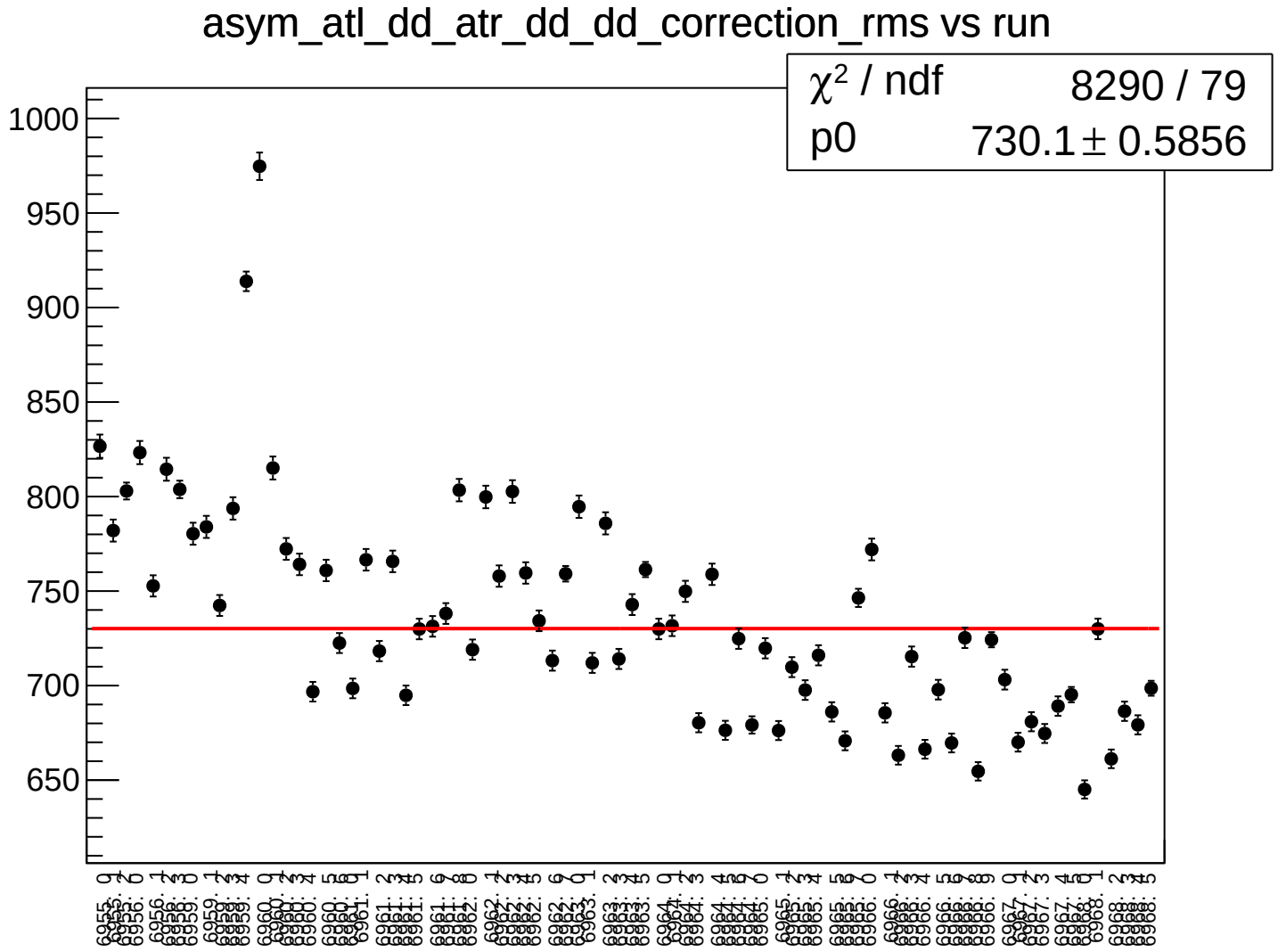


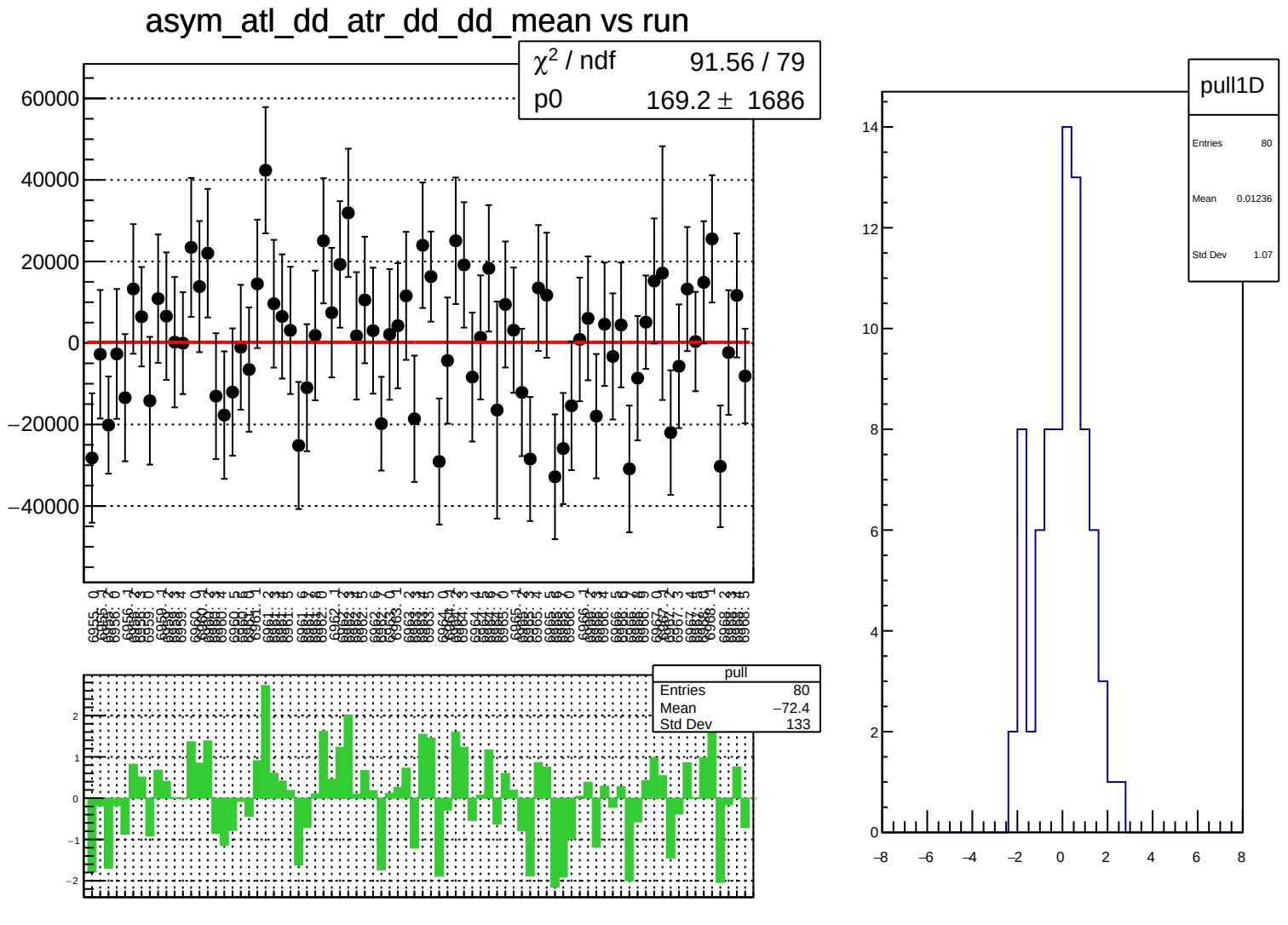

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 86.58 / 79
p0 536 ± 1460
pull
Entries 80
Mean −52.36
Std Dev 117.2
pull1D
Entries 80
Mean 0.01203
Std Dev 1.04

dit_asym_atl_dd_atr_dd_dd_rms vs run

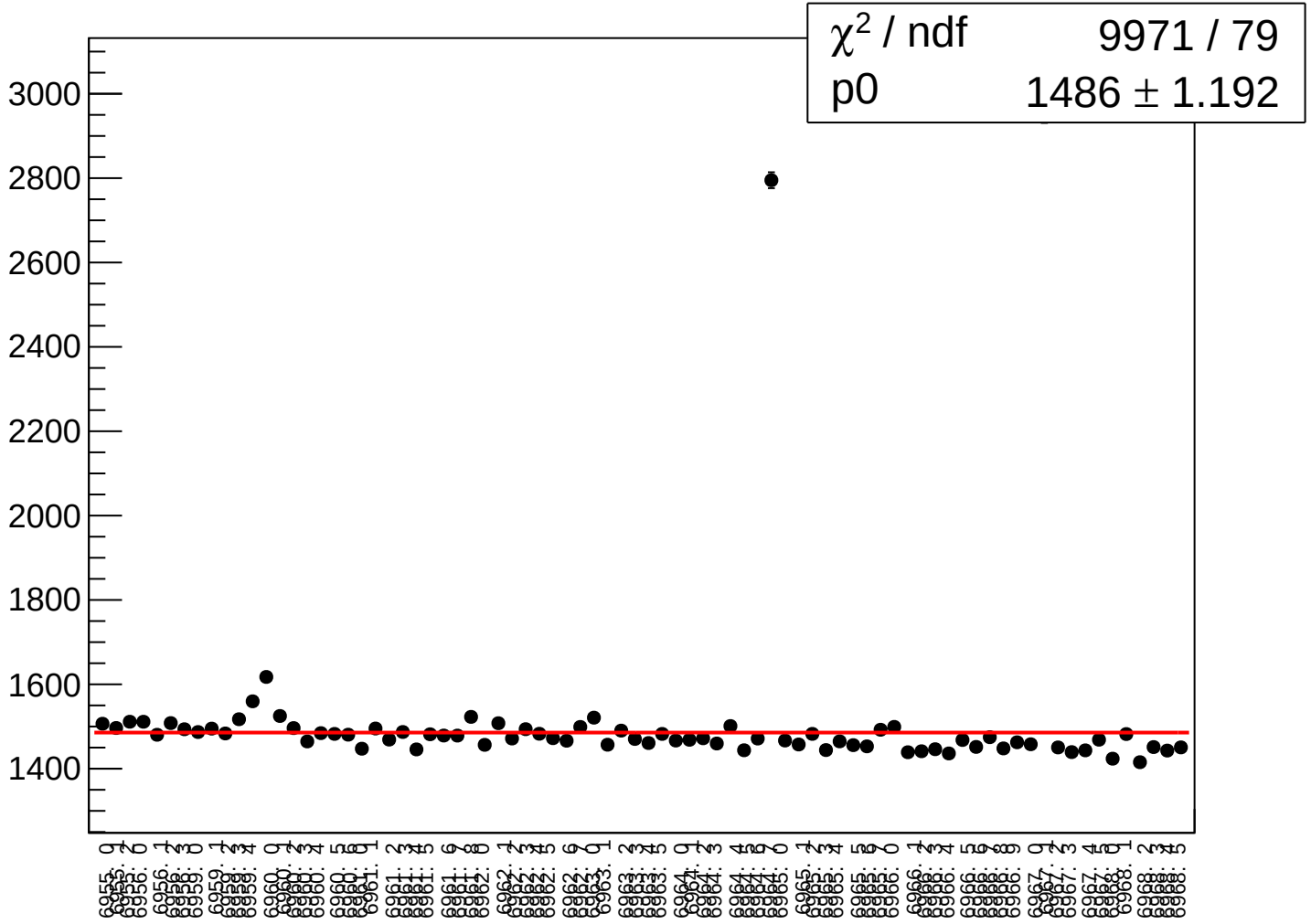


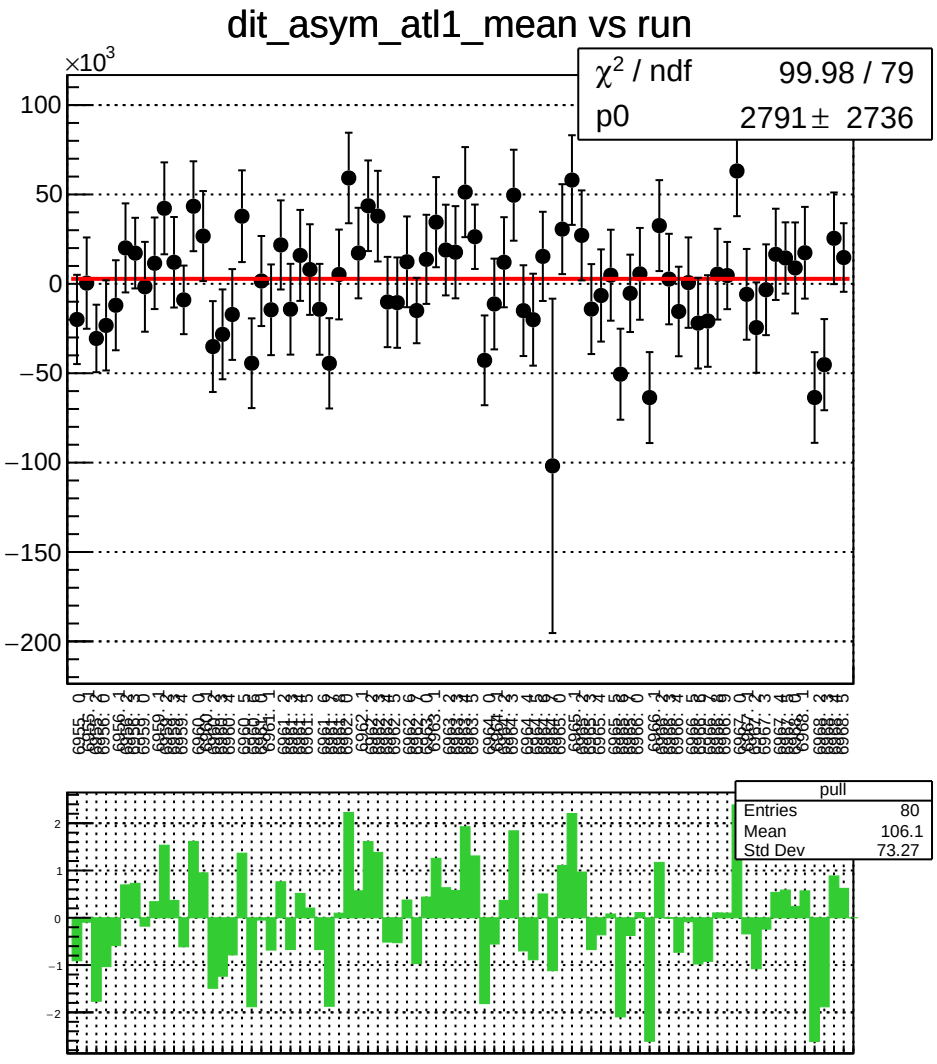

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 83.18 / 79
p0 393 ± 828.1
pull
Entries 80
Mean −98.11
Std Dev 151
pull1D
Entries 80
Mean −0.00527
Std Dev 1.02

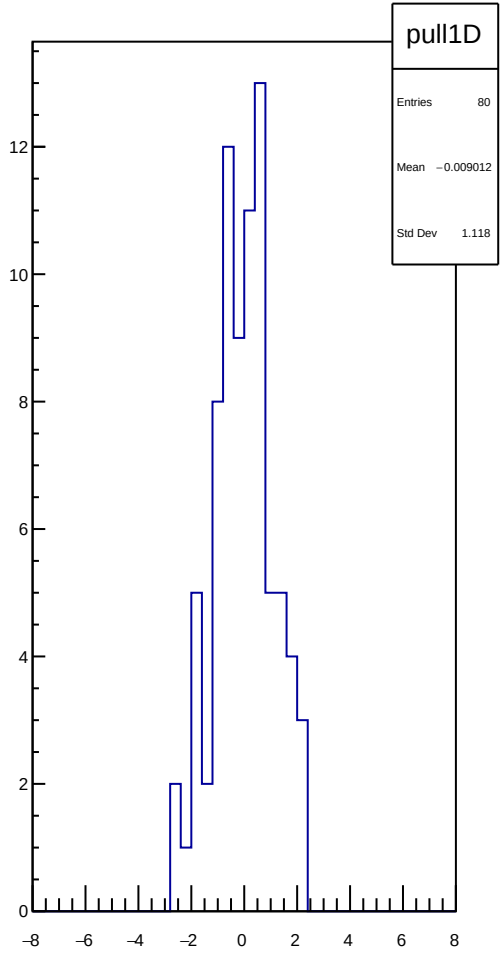

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 8290 / 79
p0 730.1 ± 0.5856
1000
950
900
850
800
750
700
650


asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.56 / 79
p0 169.2 ± 1686
pull
Entries 80
Mean −72.4
Std Dev 133
pull1D
Entries 80
Mean 0.01236
Std Dev 1.07

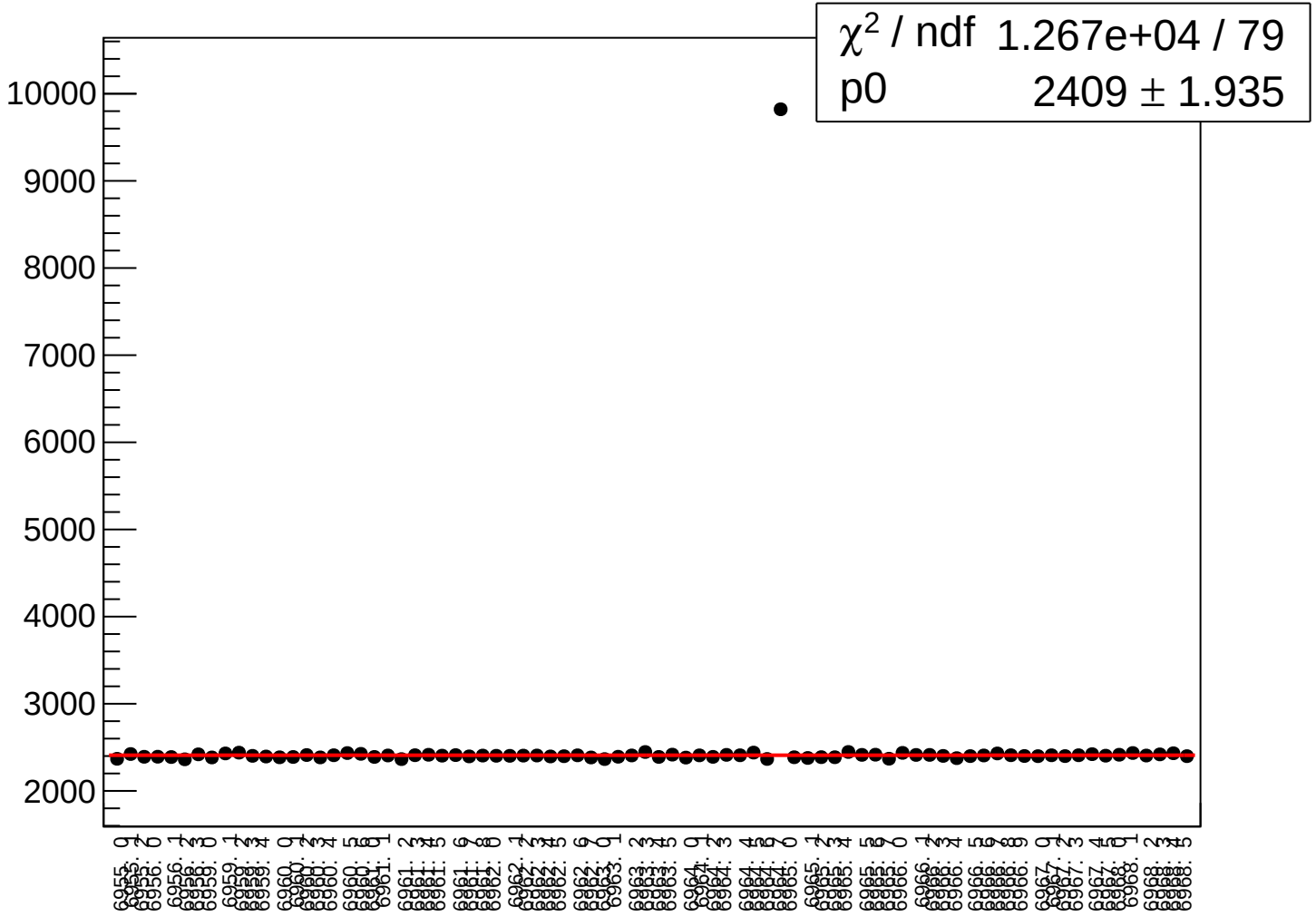
asym_atl_dd_atr_dd_dd_rms vs run

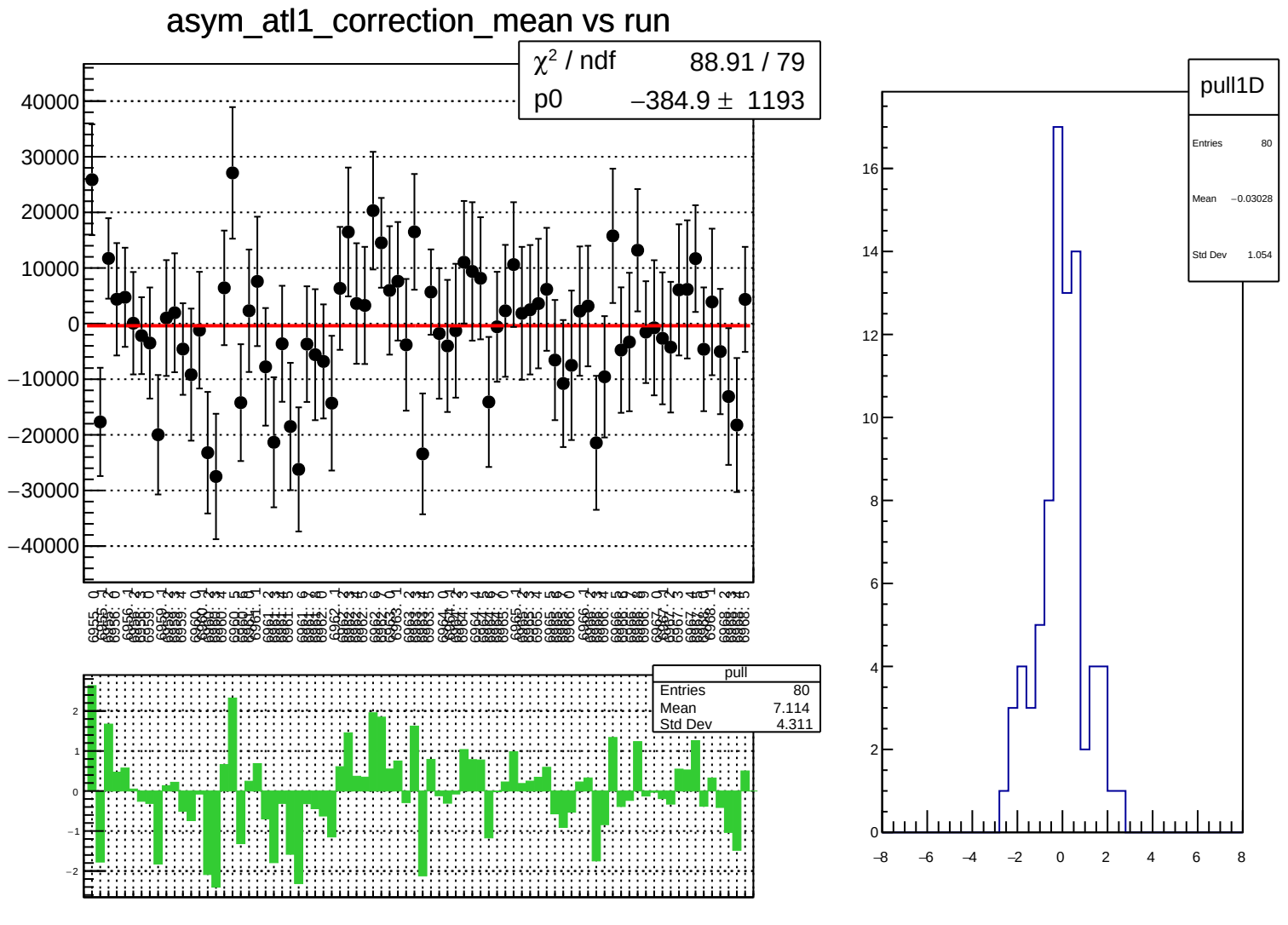


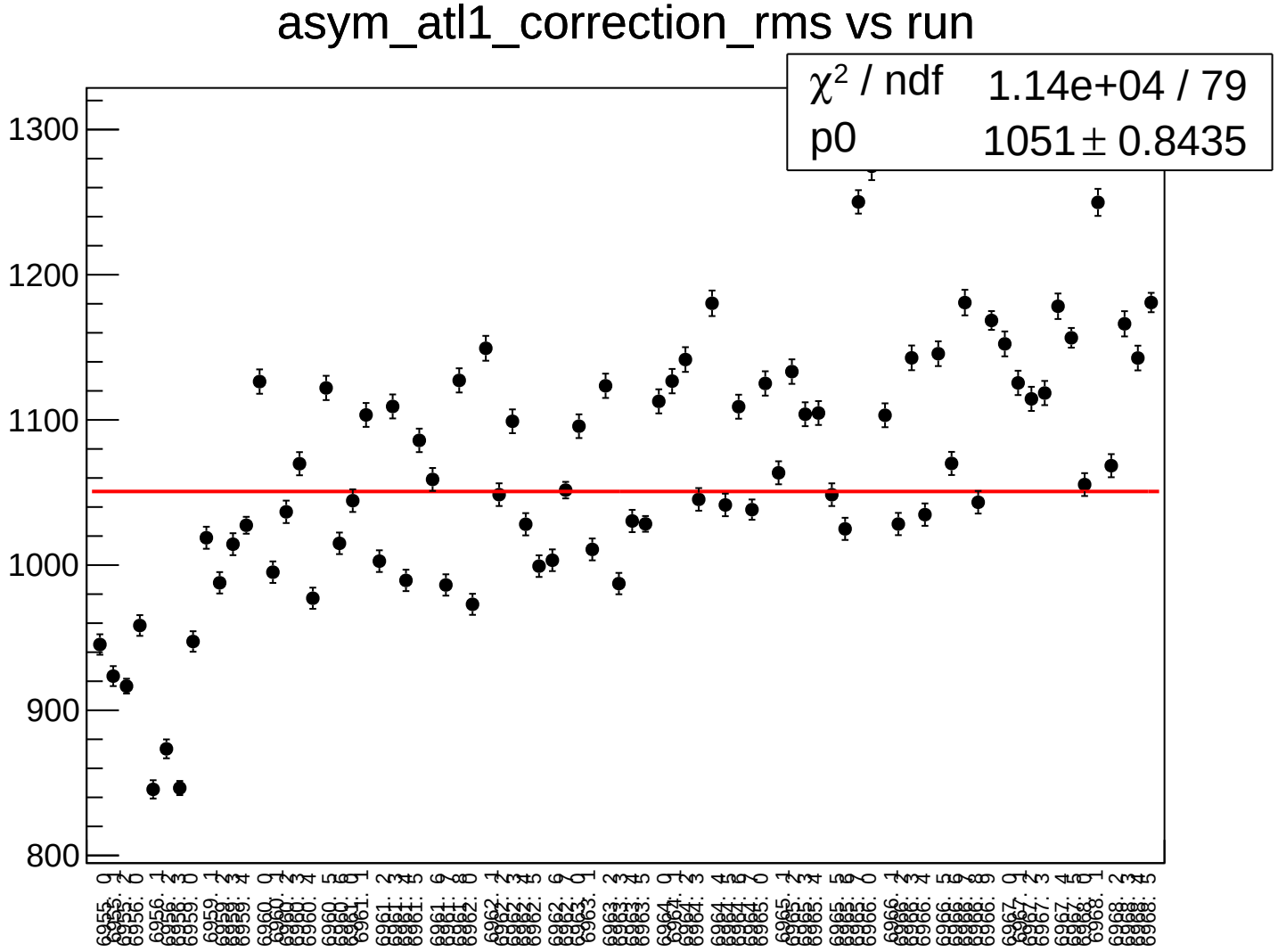

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 99.98 / 79
p0 2791 ± 2736
pull
Entries 80
Mean 106.1
Std Dev 73.27

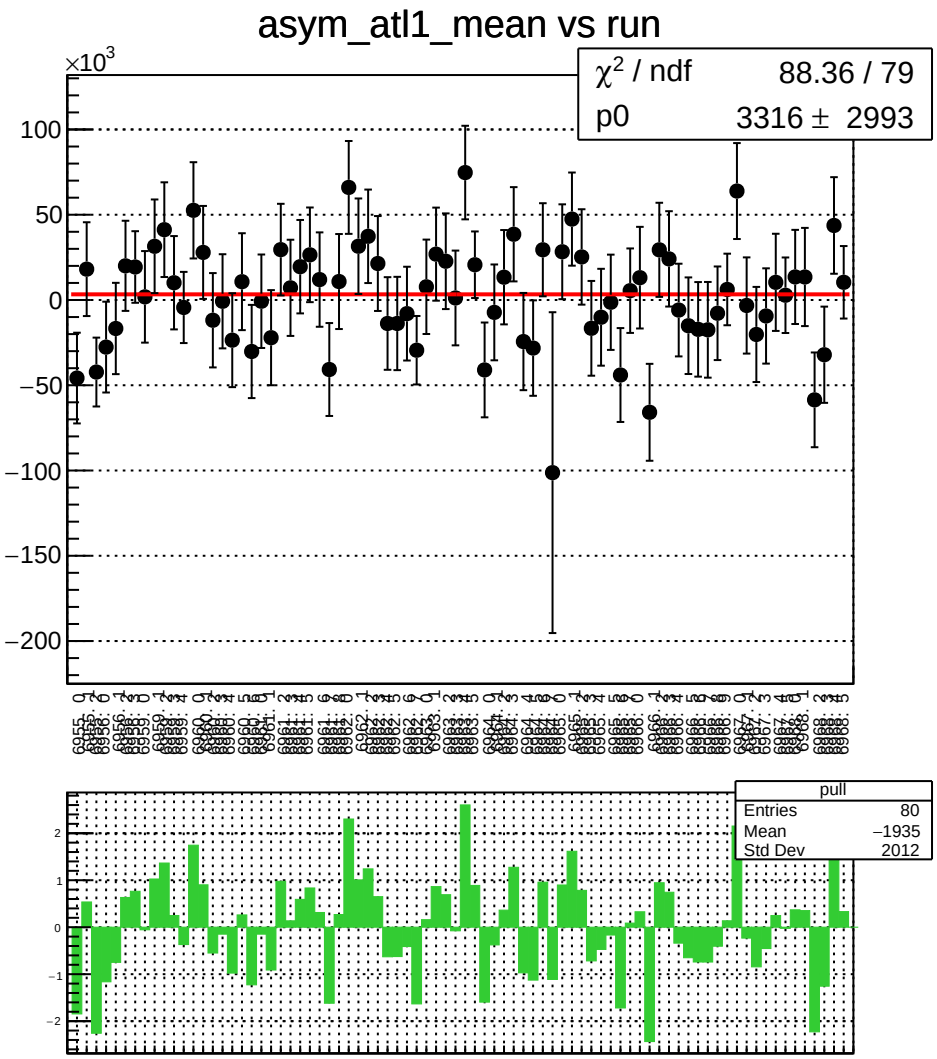

pull1D
Entries 80
Mean −0.009012
Std Dev 1.118

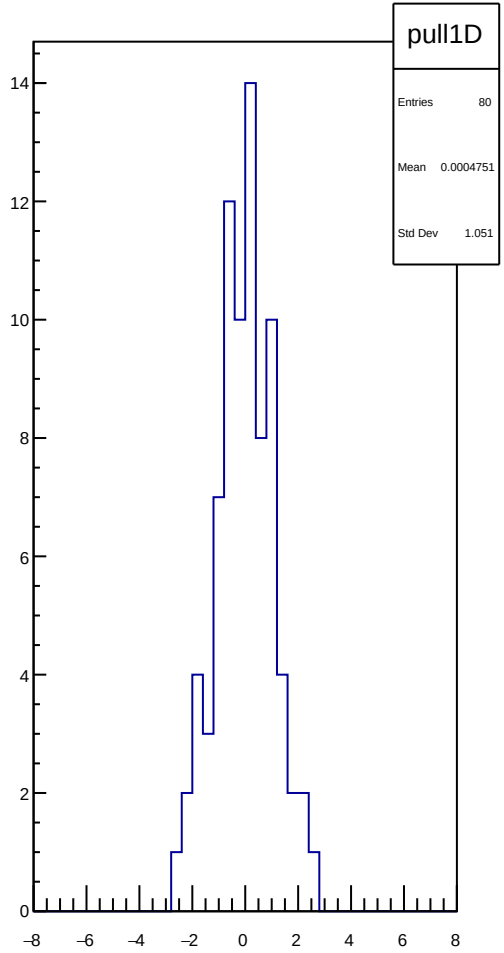
dit_asym_atl1_rms vs run



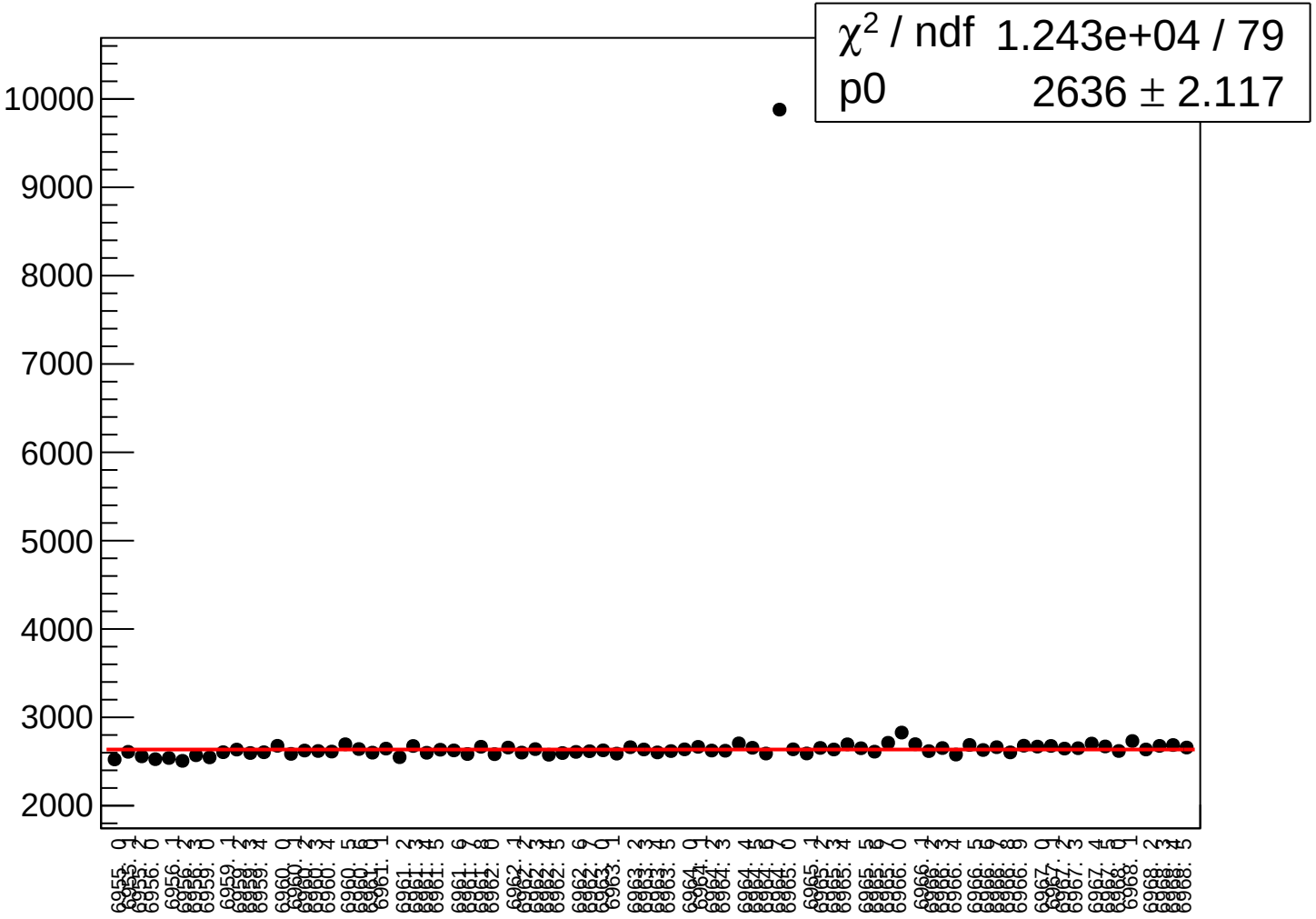

asym_atl1_correction_mean vs run
χ² / ndf 88.91 / 79
p0 −384.9 ± 1193
pull
Entries 80
Mean 7.114
Std Dev 4.311
pull1D
Entries 80
Mean −0.03028
Std Dev 1.054

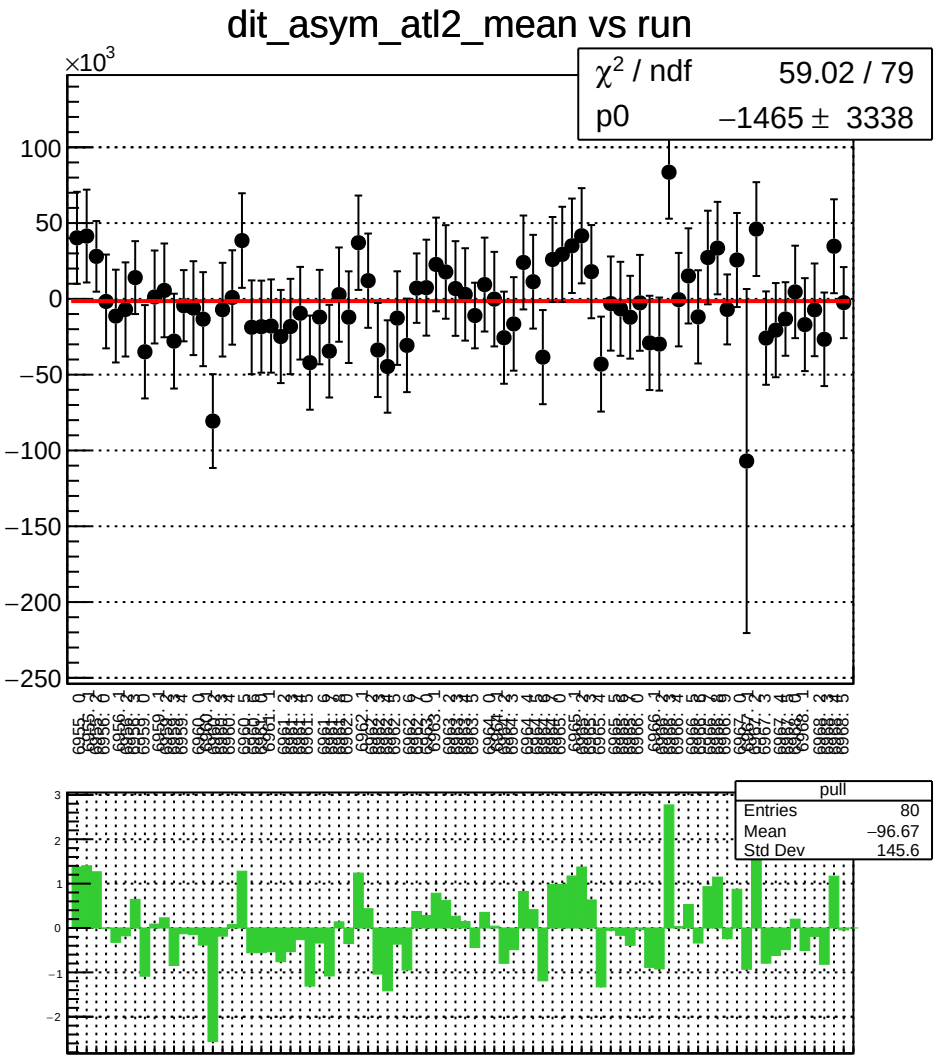

asym_atl1_correction_rms vs run
χ² / ndf 1.14e+04 / 79
p0 1051 ± 0.8435
1300
1200
1100
1000
900
800

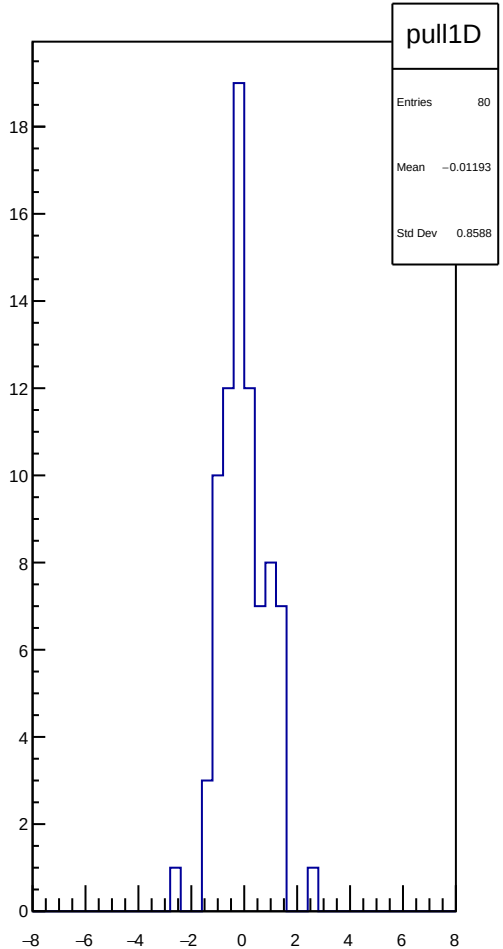

asym_atl1_mean vs run
×10^3
χ² / ndf 88.36 / 79
p0 3316 ± 2993
pull
Entries 80
Mean −1935
Std Dev 2012


pull1D
Entries 80
Mean 0.0004751
Std Dev 1.051

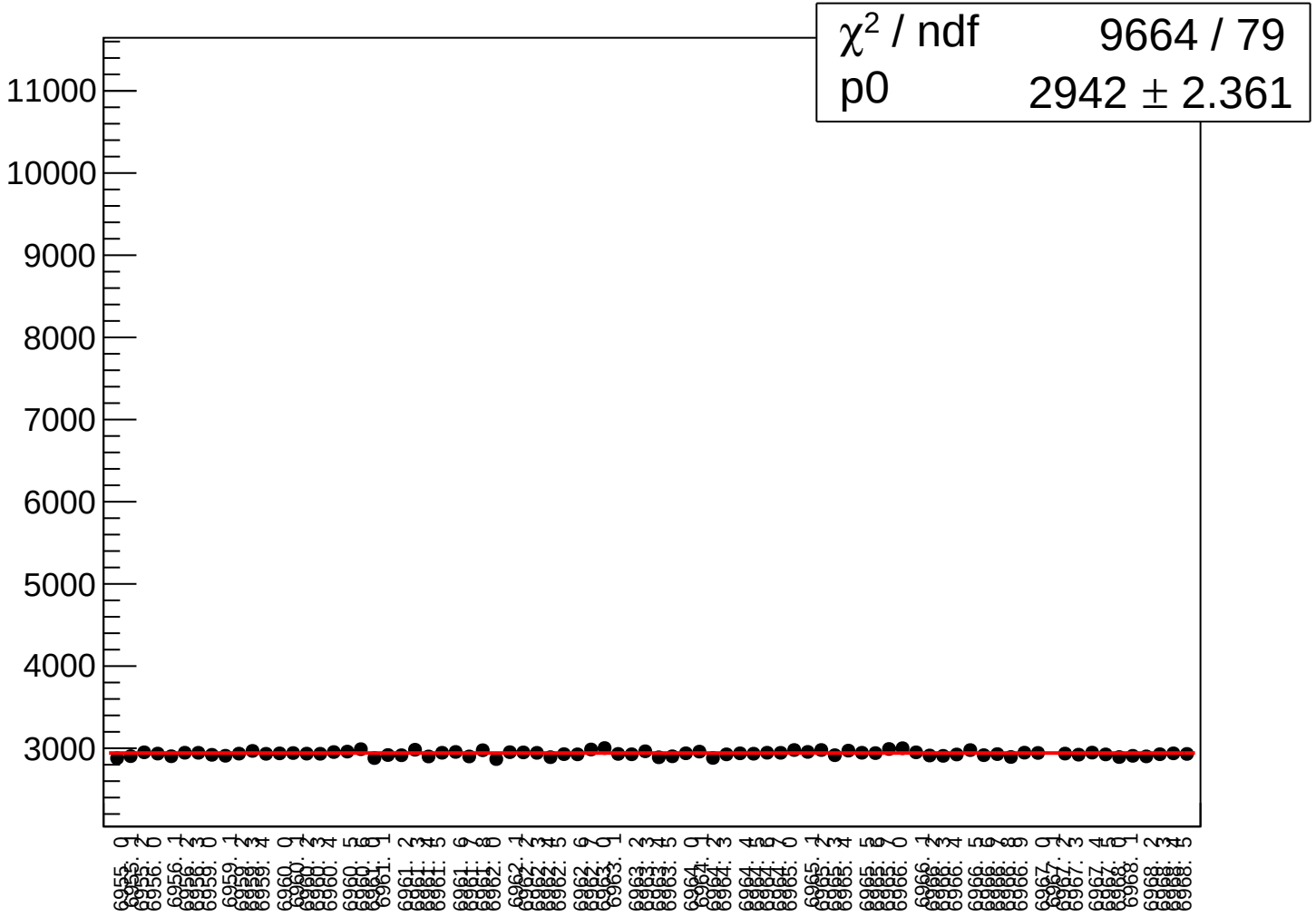
asym_atl1_rms vs run

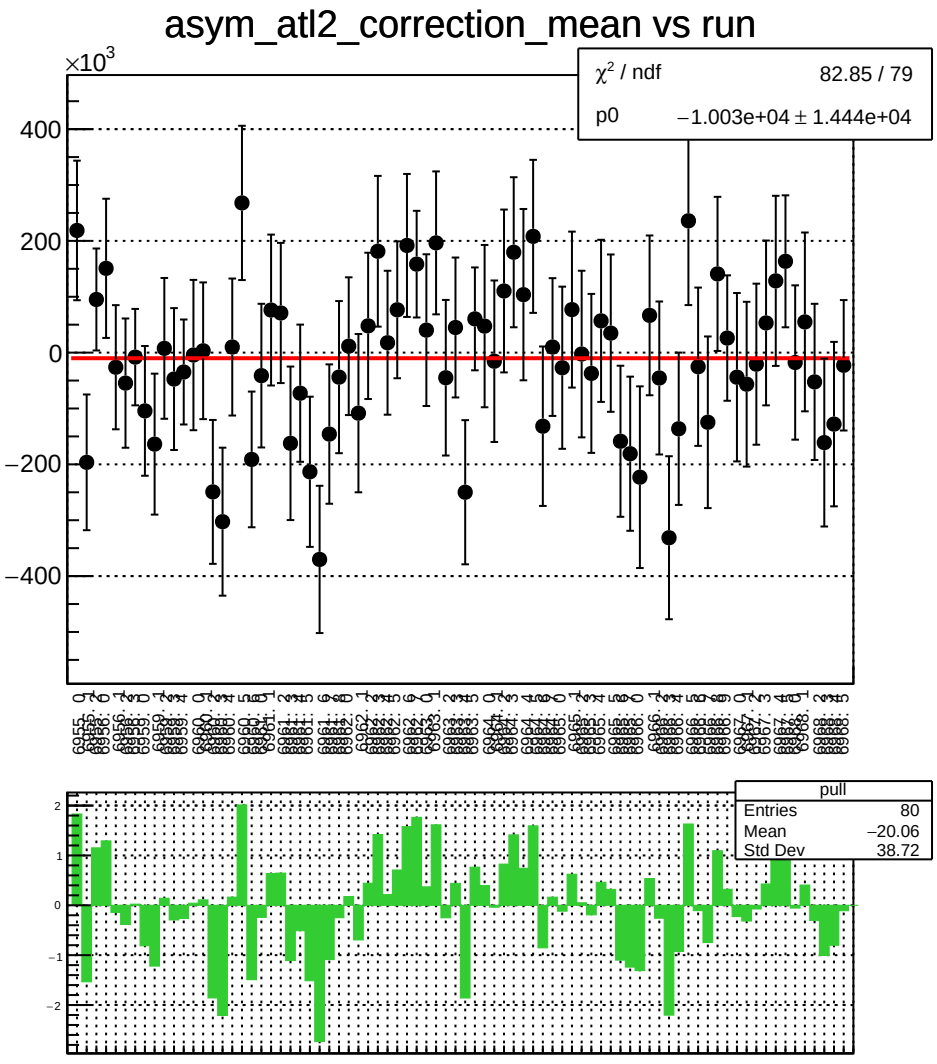


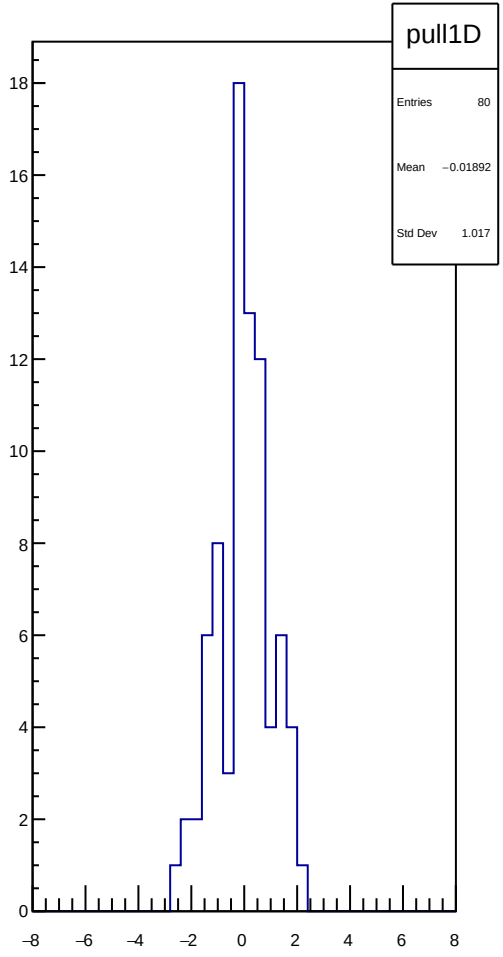

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 59.02 / 79
p0 −1465 ± 3338
pull
Entries 80
Mean −96.67
Std Dev 145.6


pull1D
Entries 80
Mean −0.01193
Std Dev 0.8588

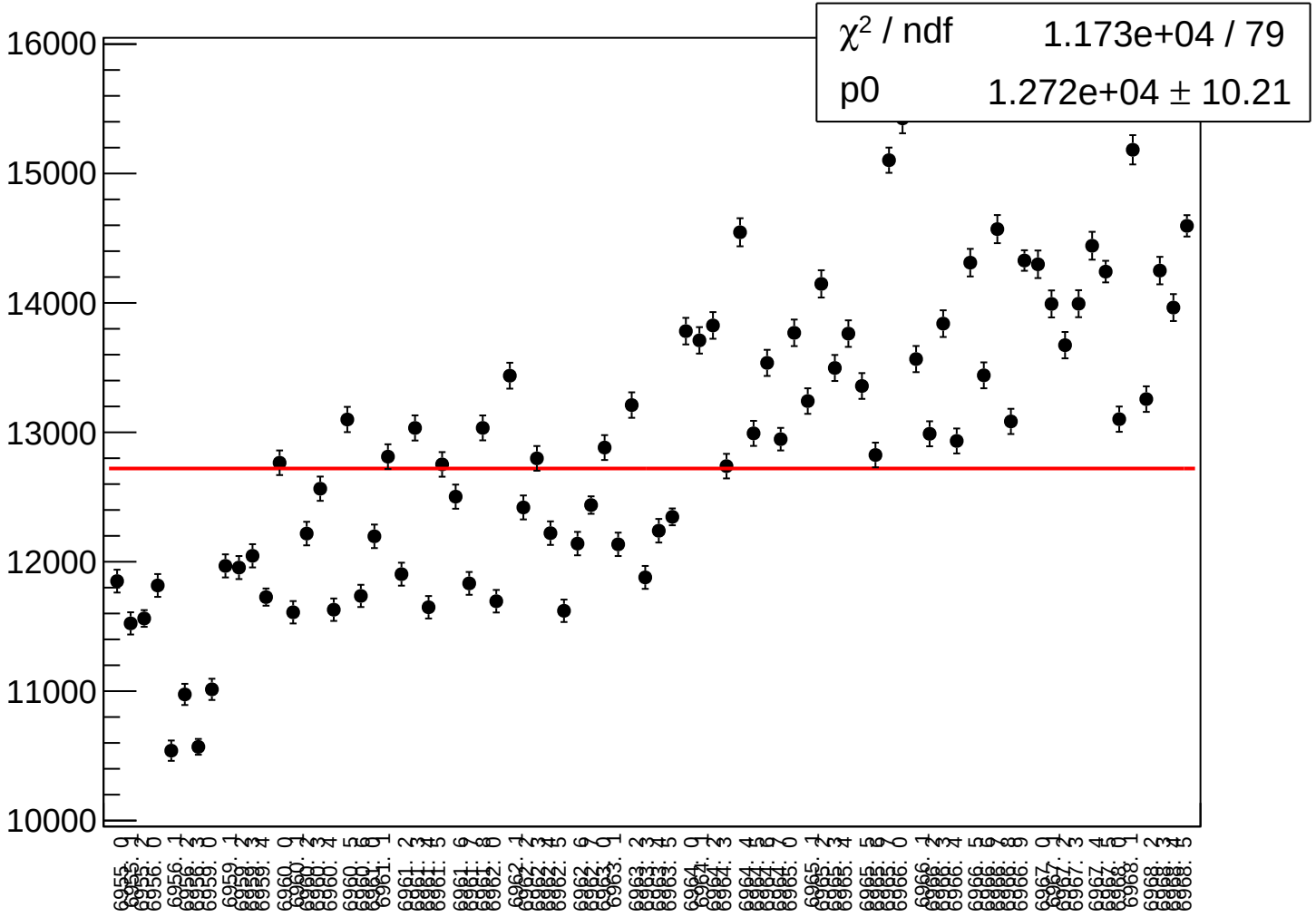
dit_asym_atl2_rms vs run

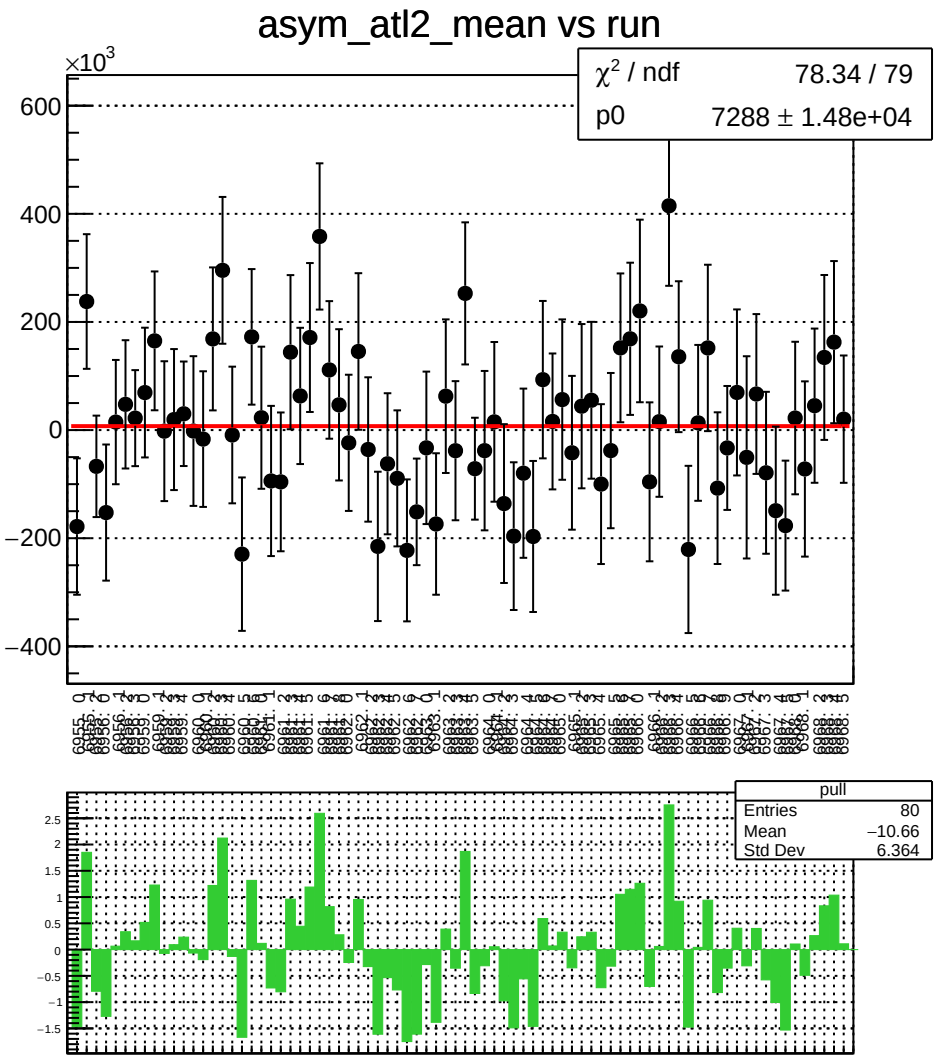


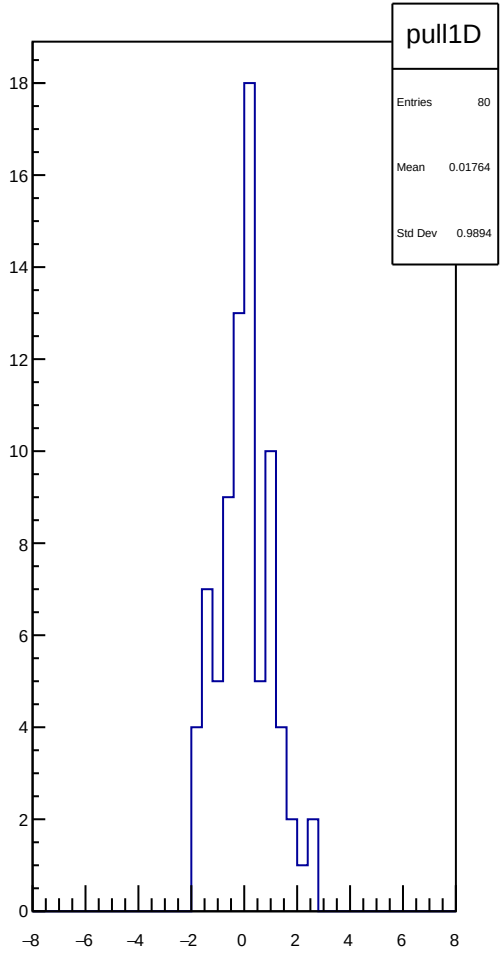

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 82.85 / 79
p0 −1.003e+04 ± 1.444e+04
pull
Entries 80
Mean −20.06
Std Dev 38.72

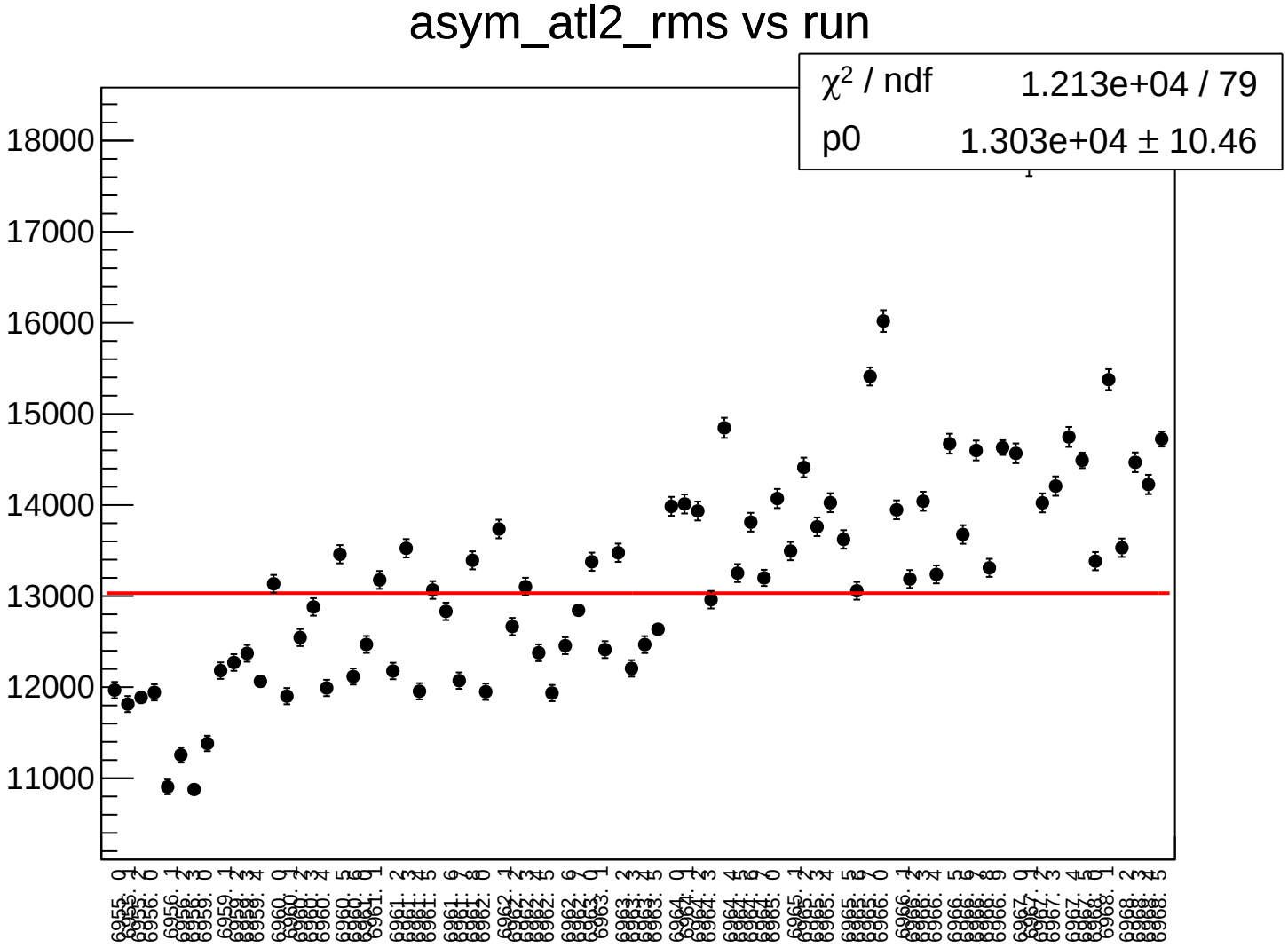

pull1D
Entries 80
Mean −0.01892
Std Dev 1.017

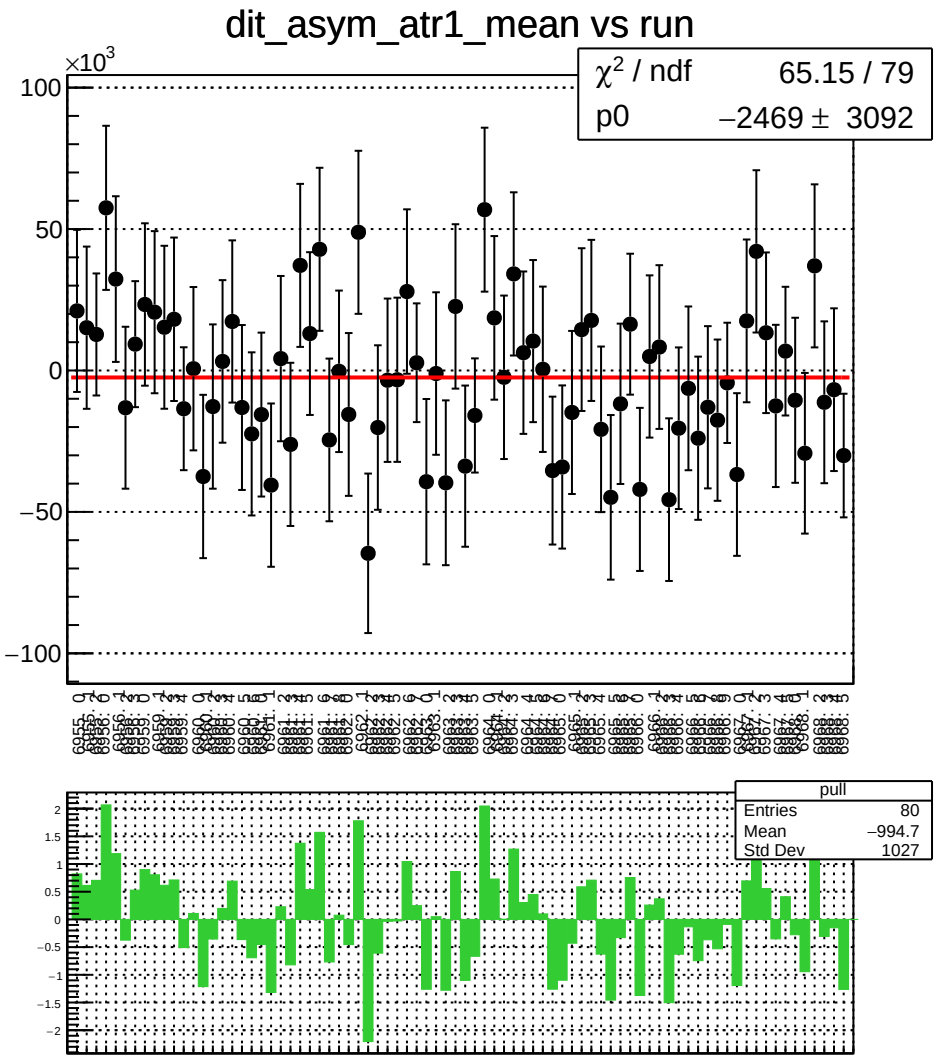
asym_atl2_correction_rms vs run

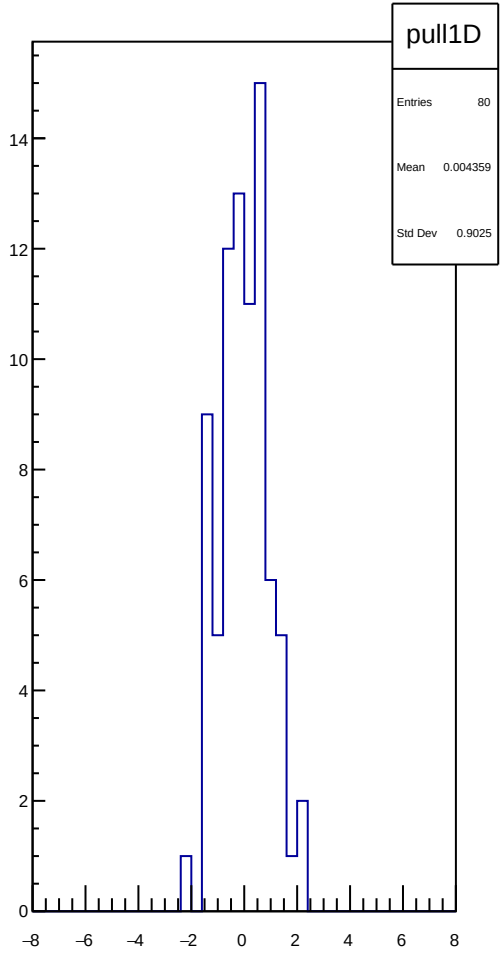


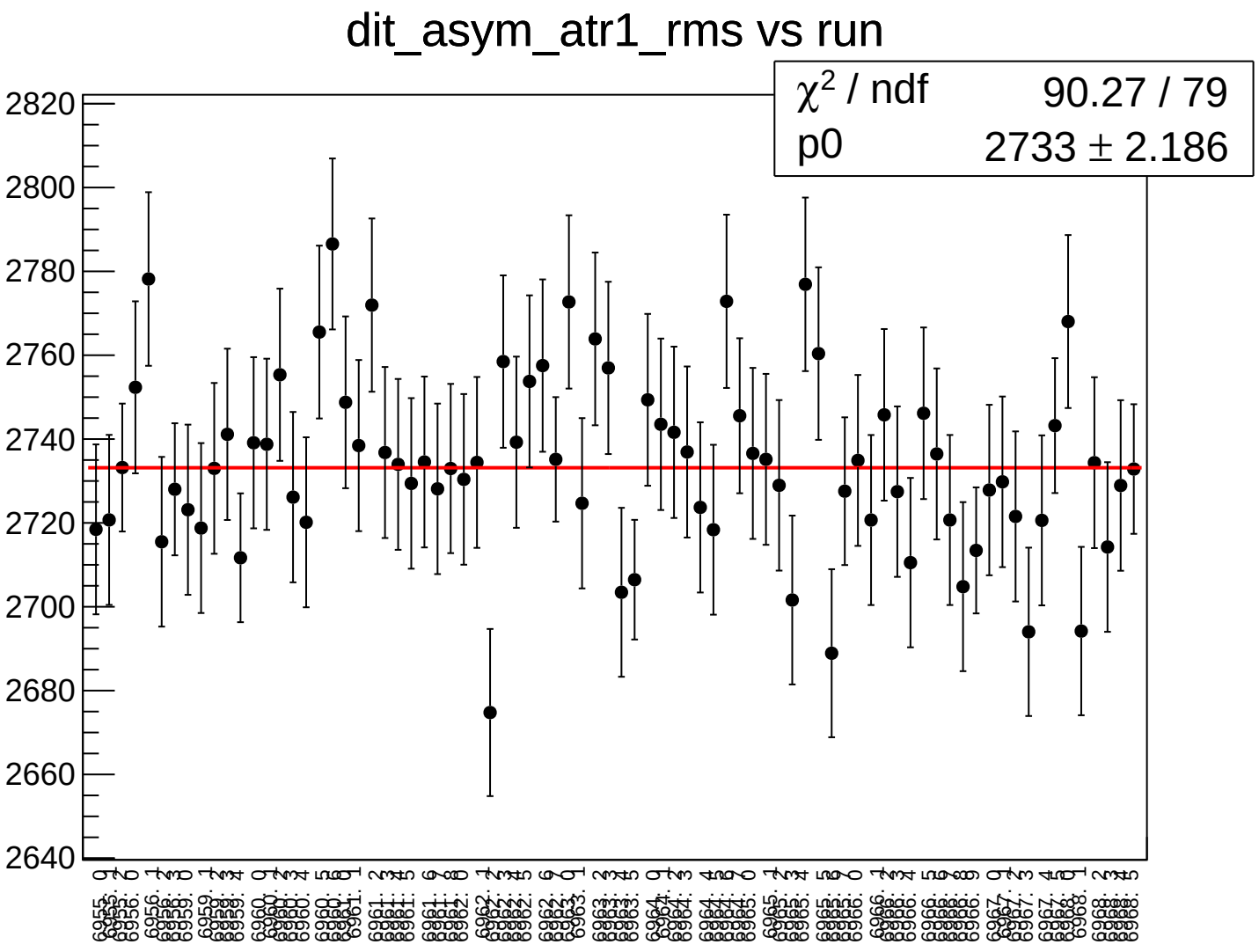

asym_atl2_mean vs run
×10^3
χ² / ndf 78.34 / 79
p0 7288 ± 1.48e+04
pull
Entries 80
Mean −10.66
Std Dev 6.364

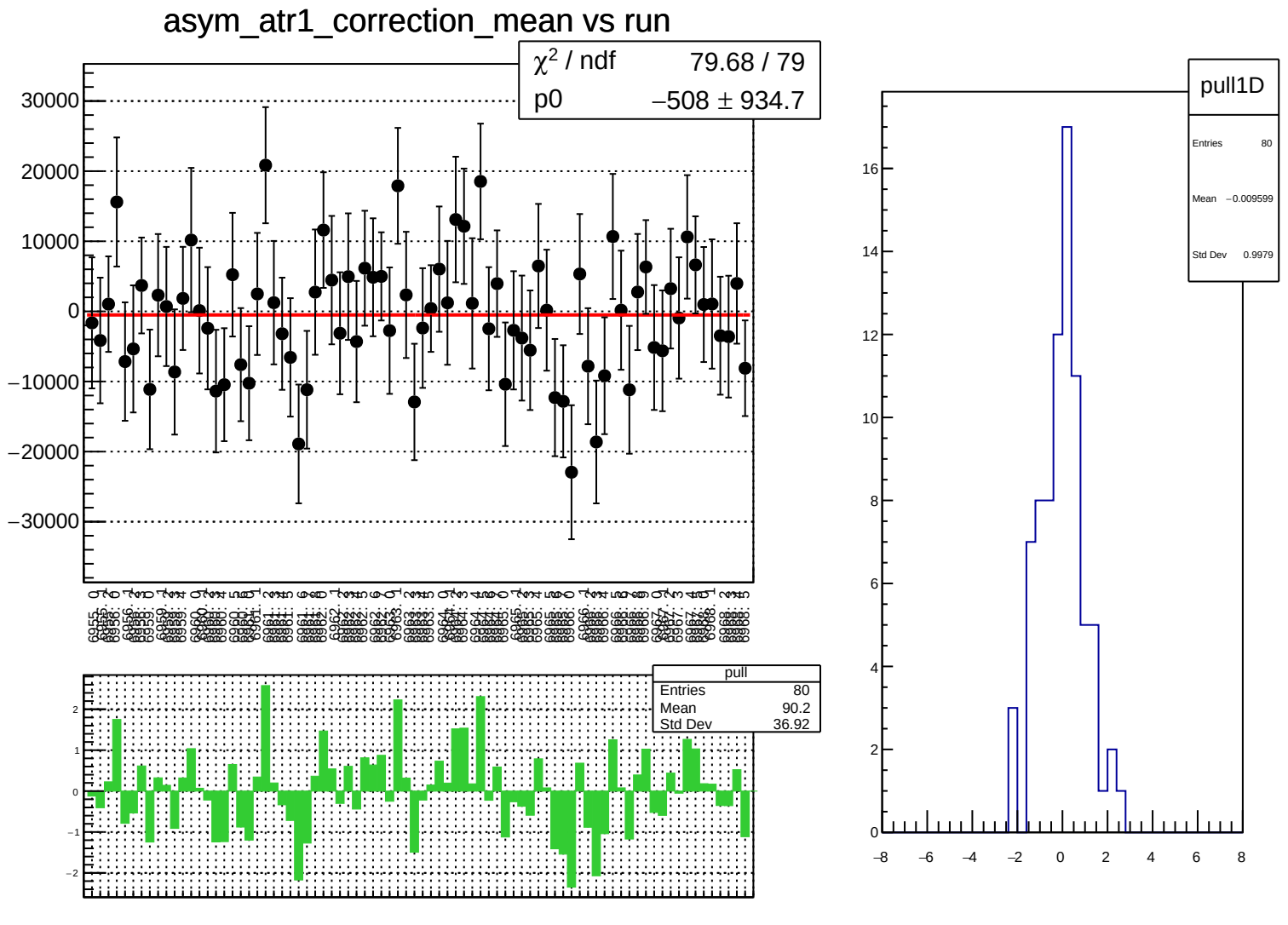

pull1D
Entries 80
Mean 0.01764
Std Dev 0.9894

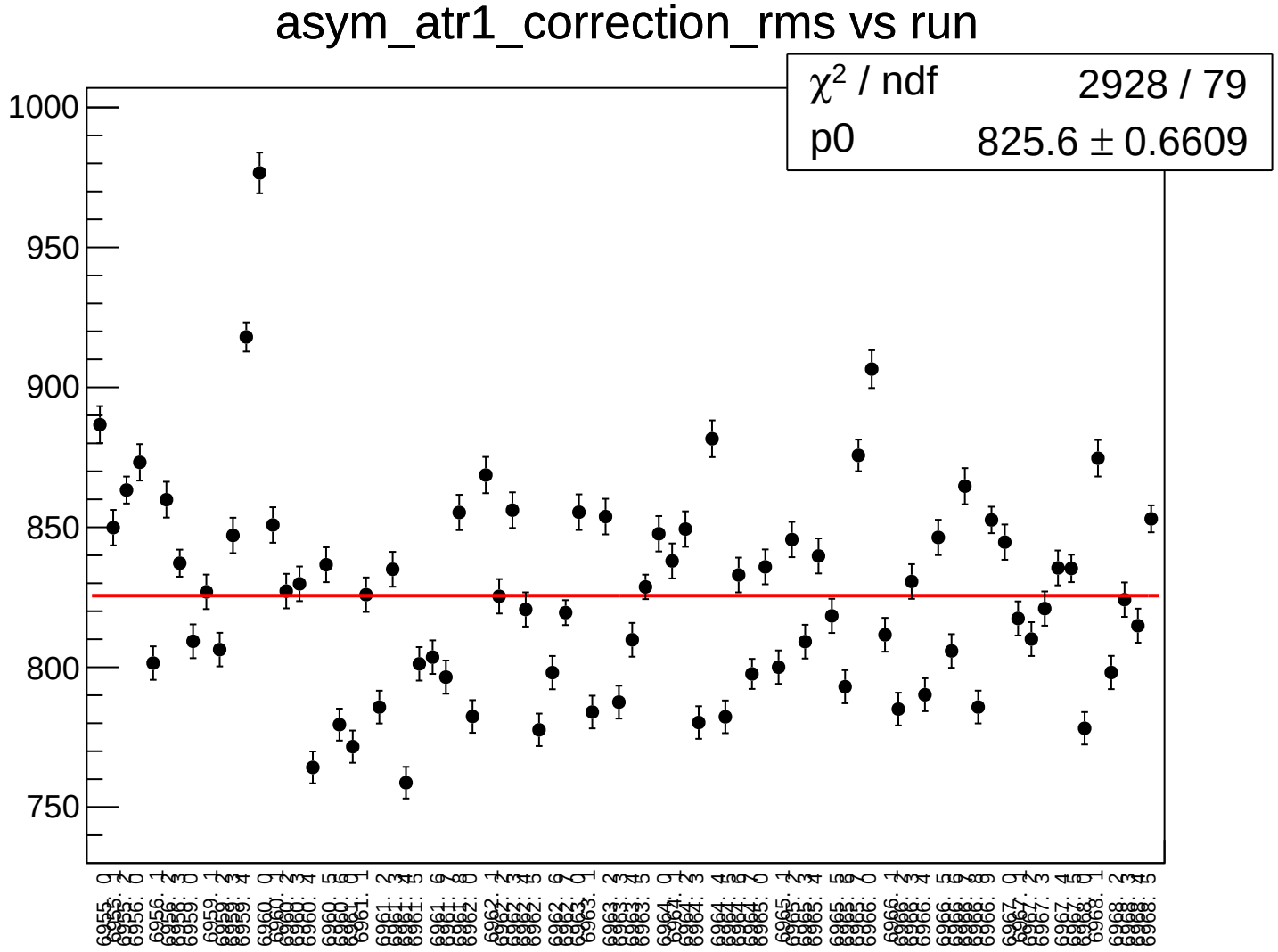

asym_atl2_rms vs run
χ² / ndf 1.213e+04 / 79
p0 1.303e+04 ± 10.46
18000
17000
16000
15000
14000
13000
12000
11000

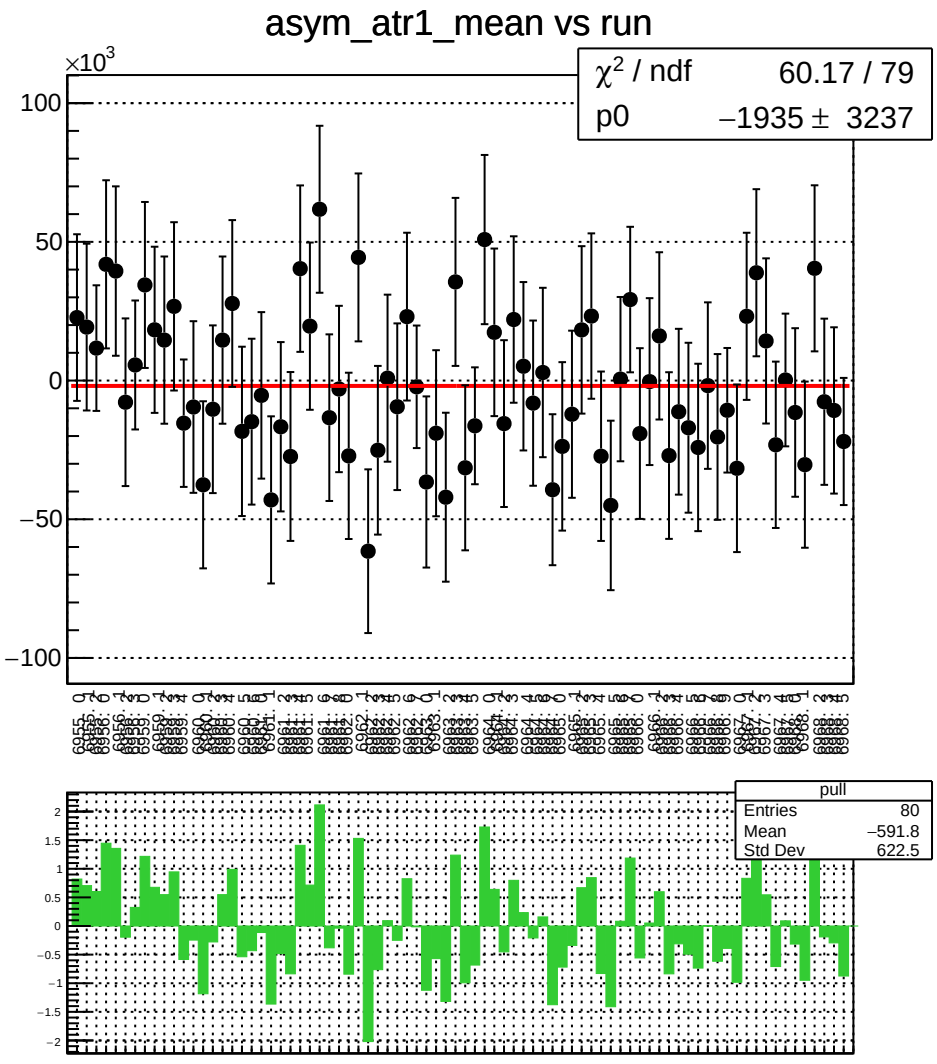

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 65.15 / 79
p0 −2469 ± 3092
pull
Entries 80
Mean −994.7
Std Dev 1027

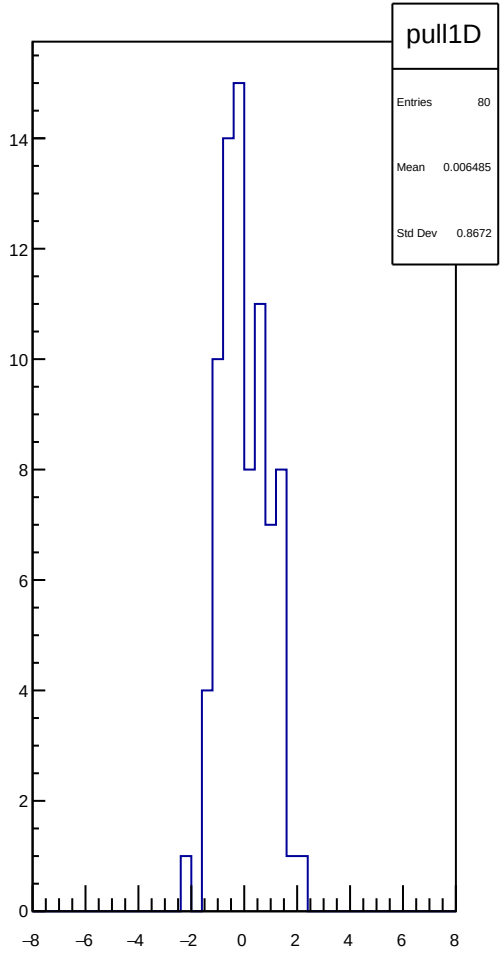

pull1D
Entries 80
Mean 0.004359
Std Dev 0.9025


dit_asym_atr1_rms vs run
χ² / ndf 90.27 / 79
p0 2733 ± 2.186
2820
2800
2780
2760
2740
2720
2700
2680
2660
2640

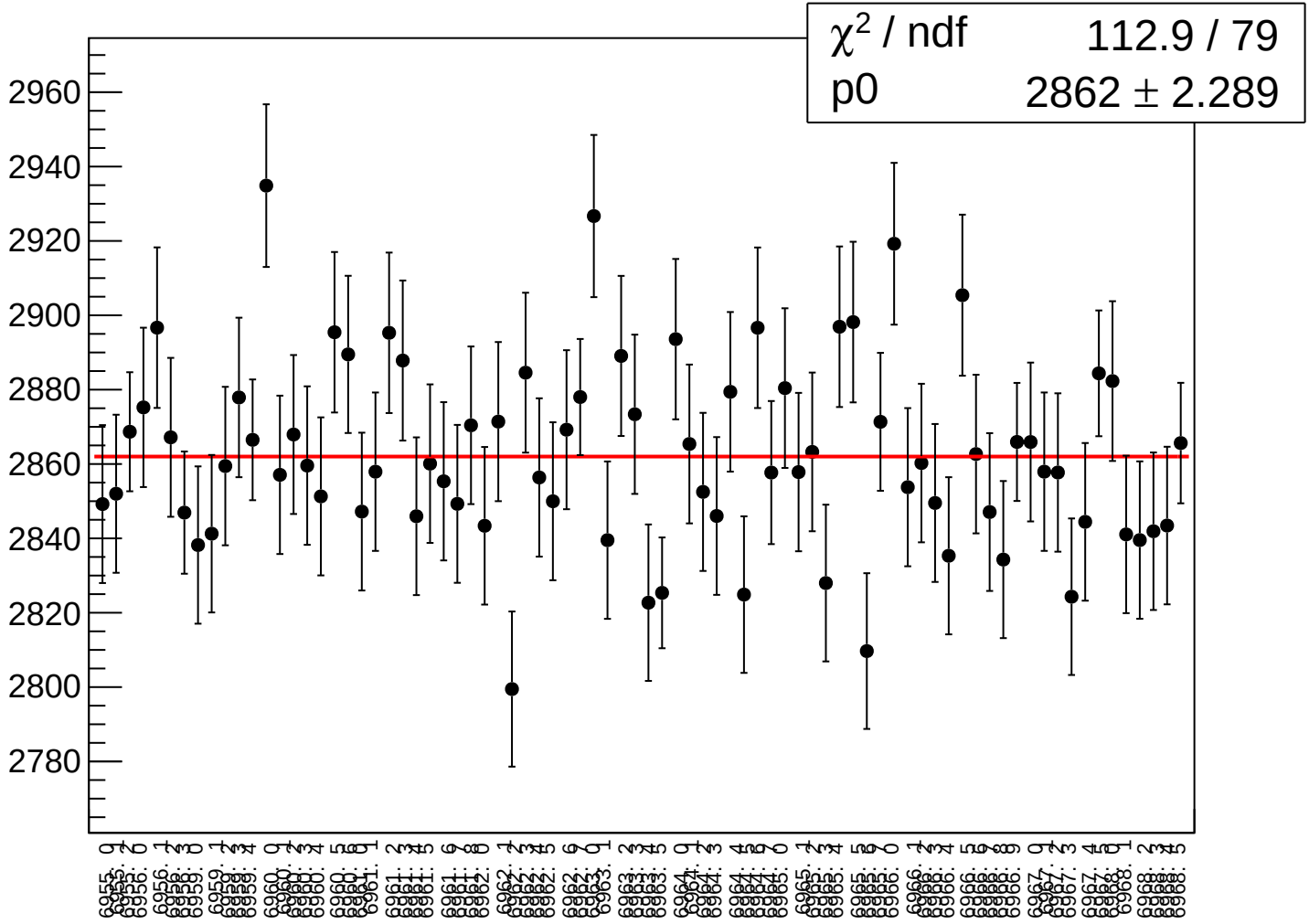

asym_atr1_correction_mean vs run
χ² / ndf 79.68 / 79
p0 −508 ± 934.7
pull
Entries 80
Mean 90.2
Std Dev 36.92
pull1D
Entries 80
Mean −0.009599
Std Dev 0.9979

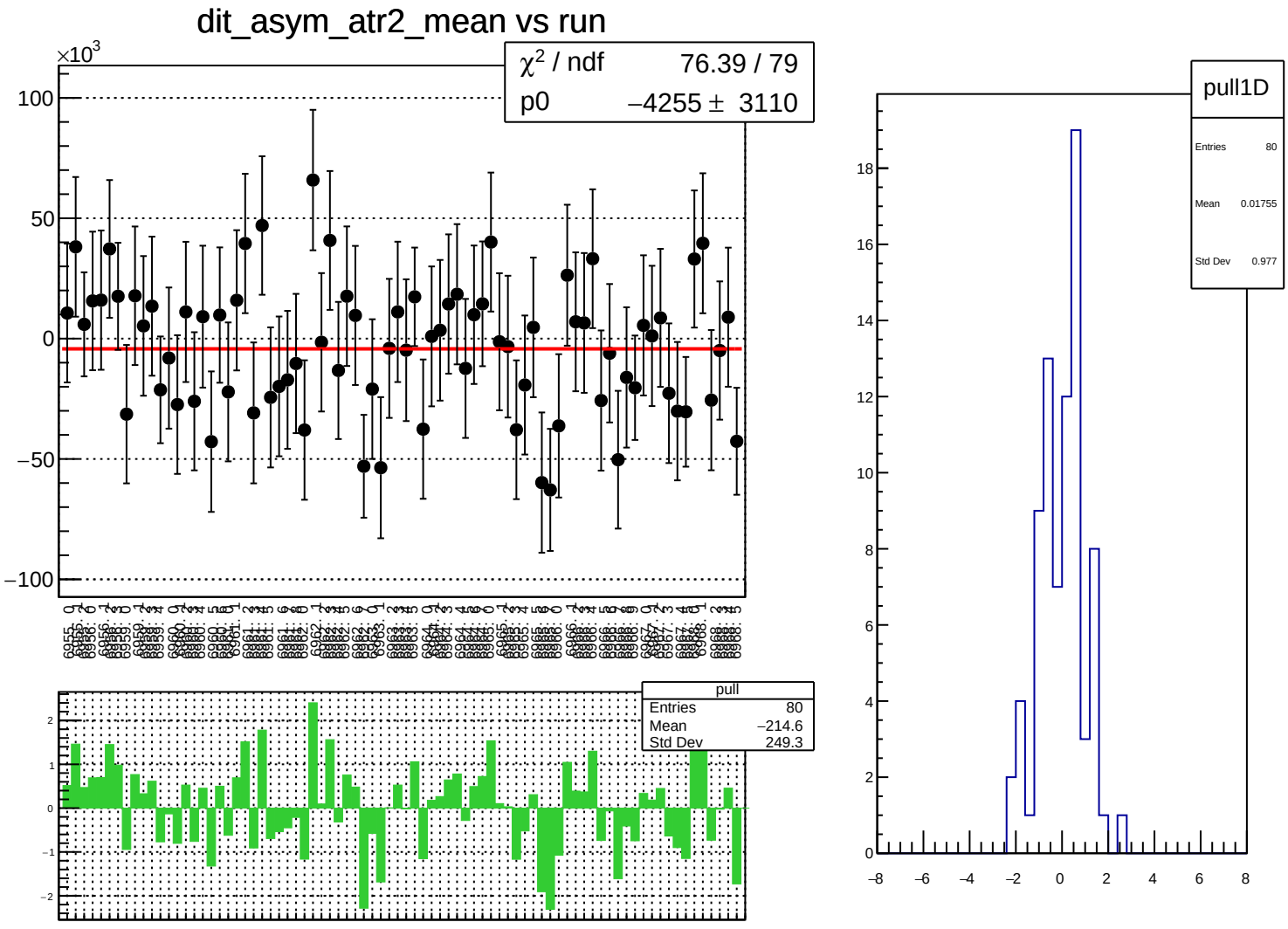

asym_atr1_correction_rms vs run
χ² / ndf 2928 / 79
p0 825.6 ± 0.6609
1000
950
900
850
800
750

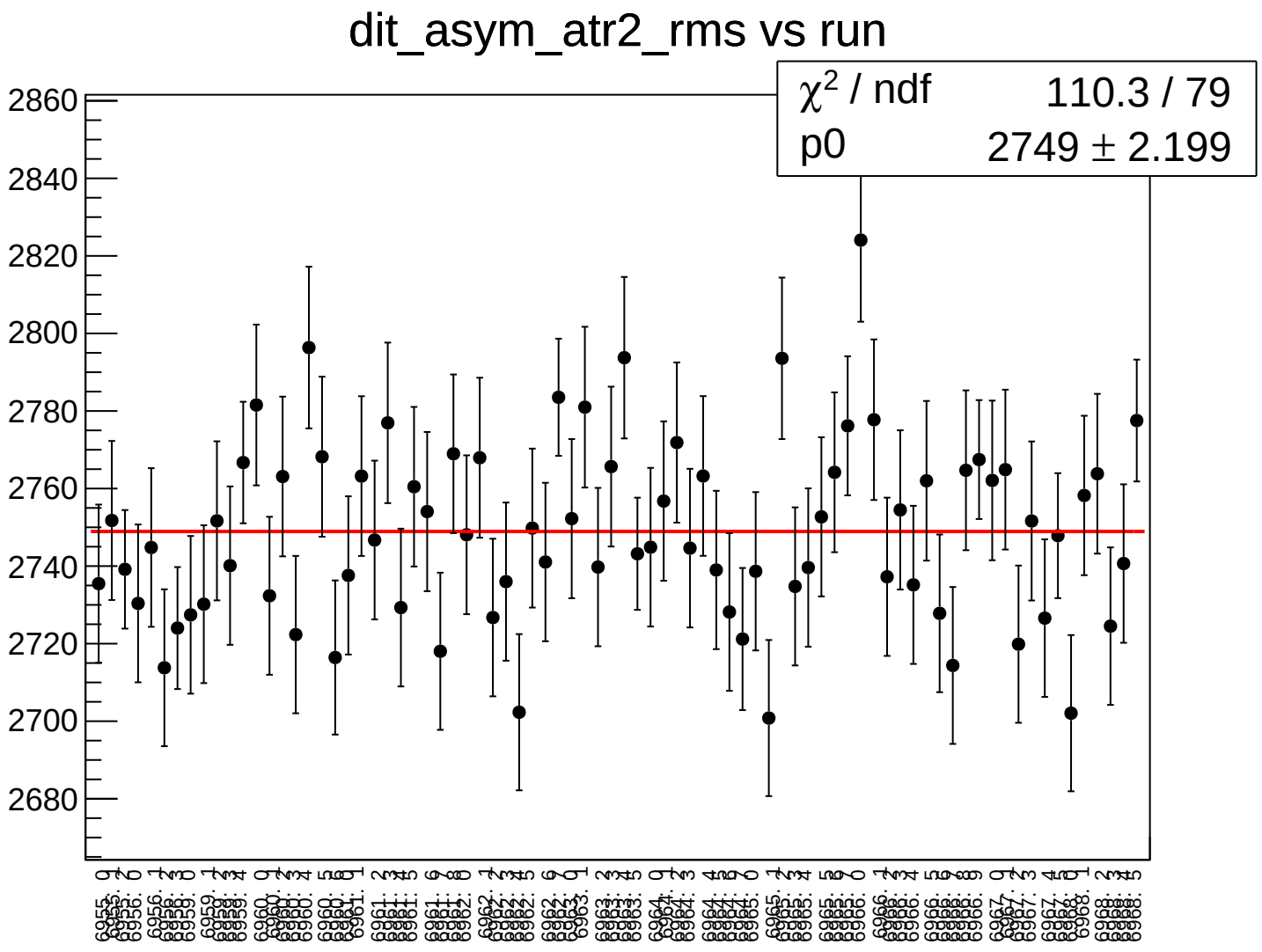

asym_atr1_mean vs run
×10^3
χ² / ndf 60.17 / 79
p0 −1935 ± 3237
100
50
0
−50
−100
pull
Entries 80
Mean −591.8
Std Dev 622.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

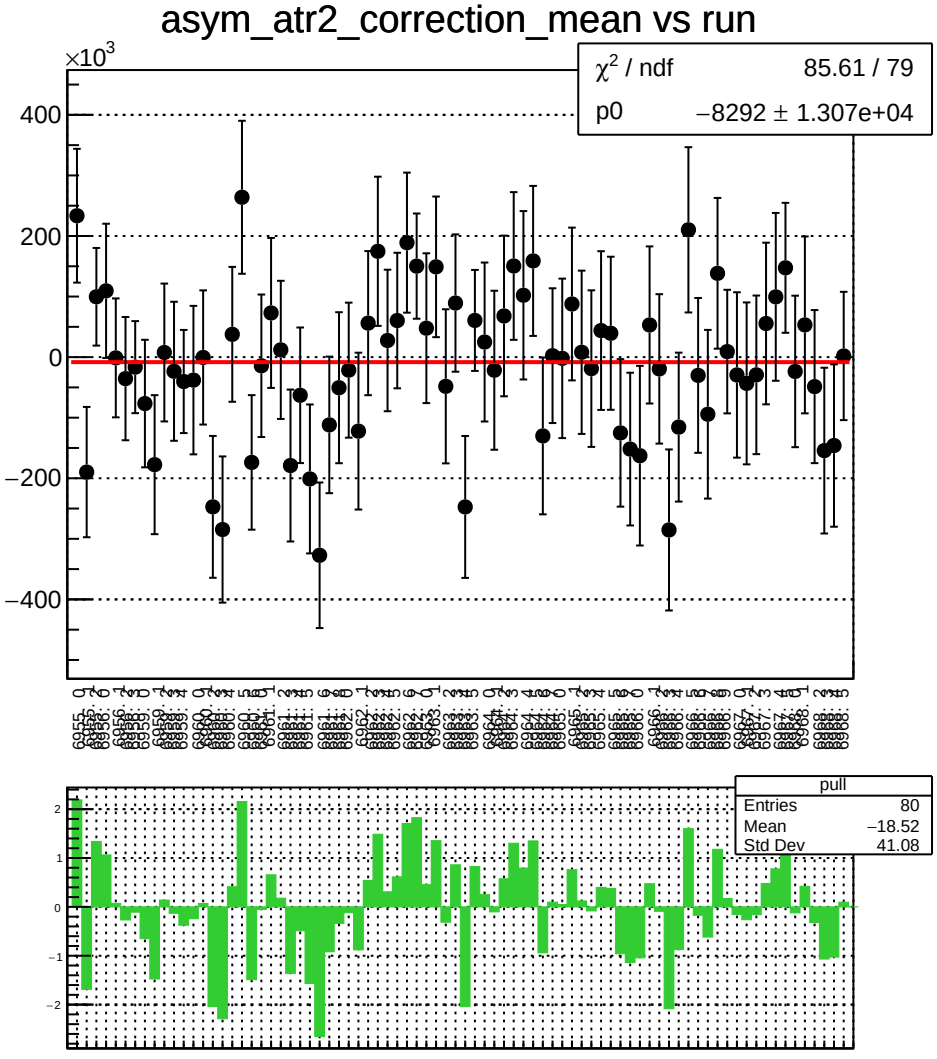

pull1D
Entries 80
Mean 0.006485
Std Dev 0.8672
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

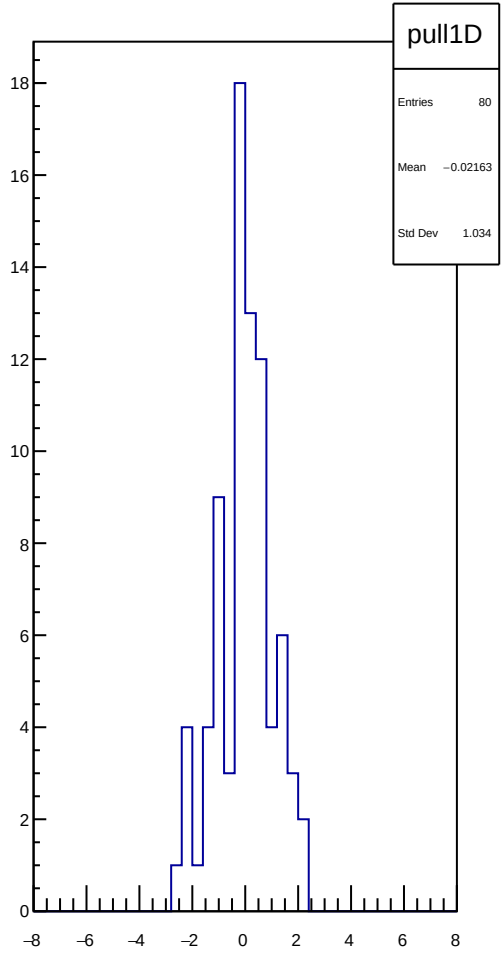
asym_atr1_rms vs run

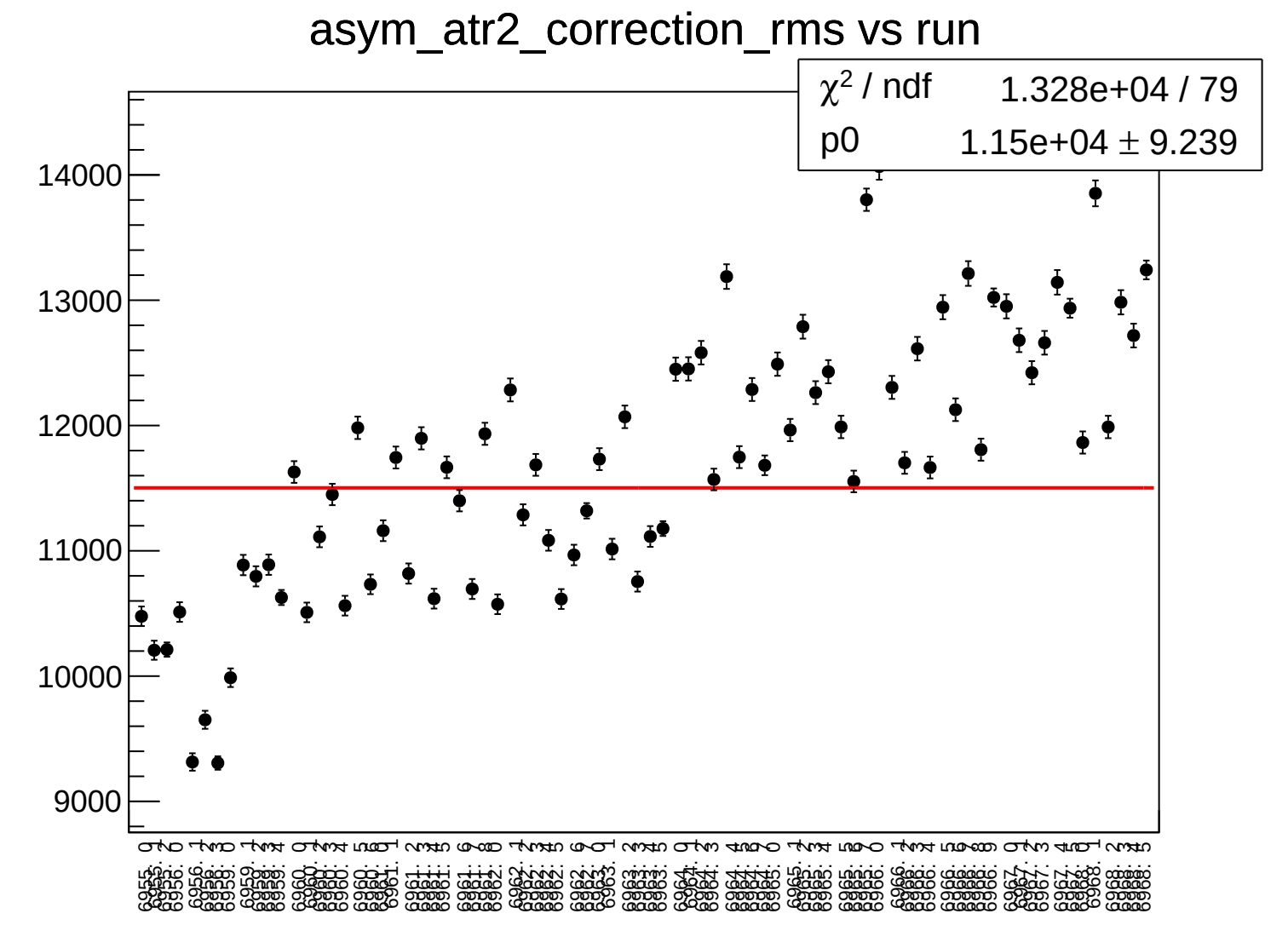


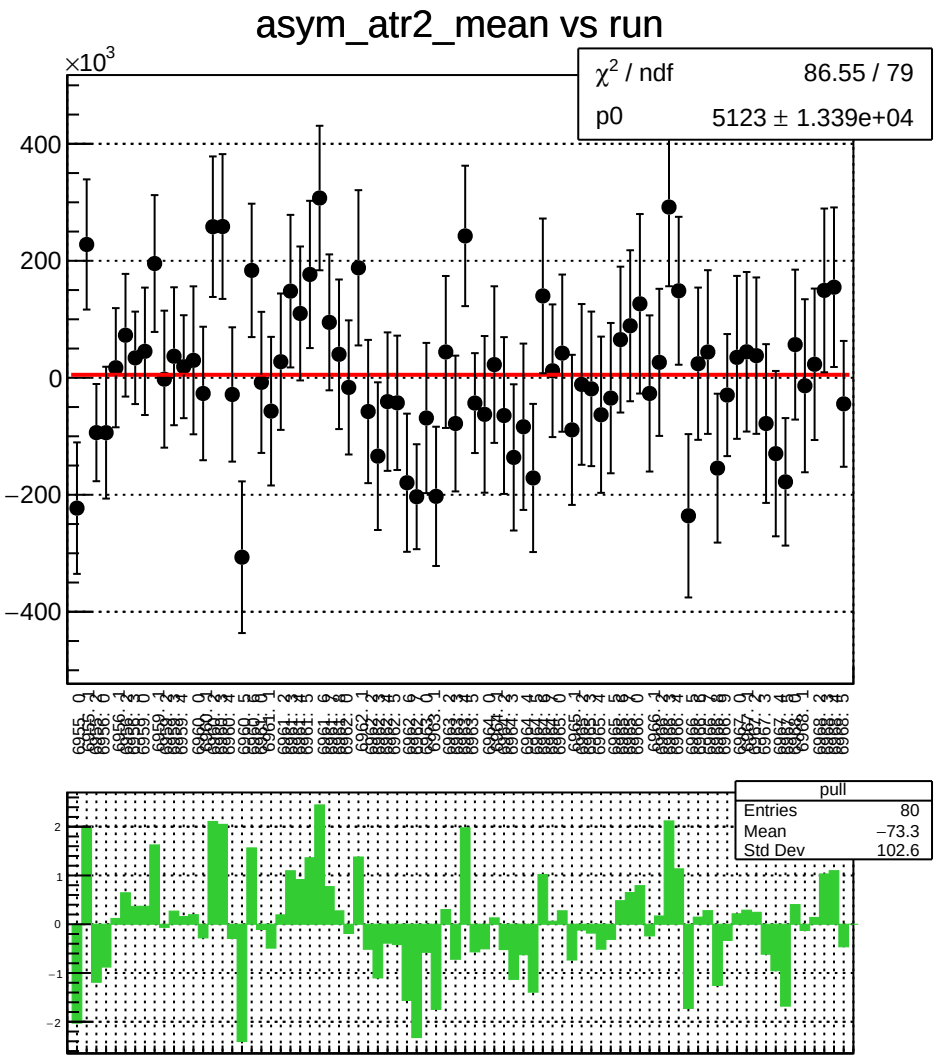

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 76.39 / 79
p0 −4255 ± 3110
100
50
0
−50
−100
pull
Entries 80
Mean −214.6
Std Dev 249.3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01755
Std Dev 0.977
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

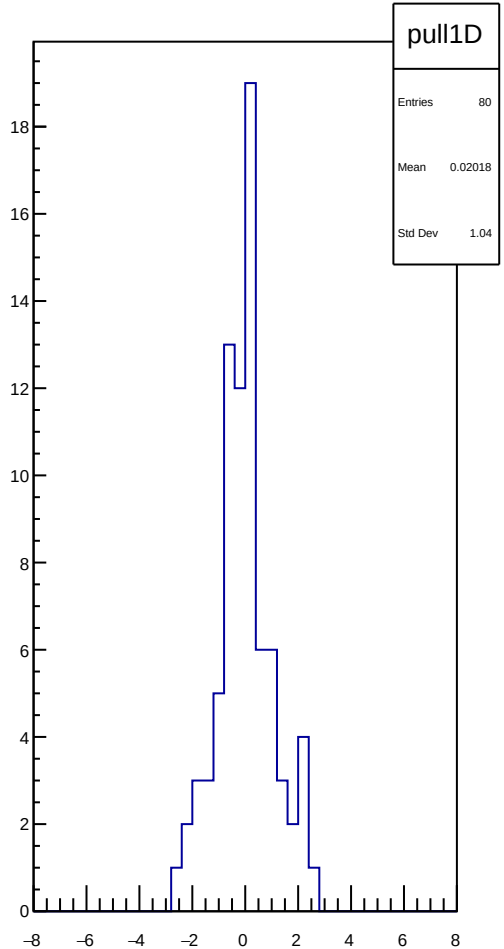

dit_asym_atr2_rms vs run
χ² / ndf 110.3 / 79
p0 2749 ± 2.199
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680

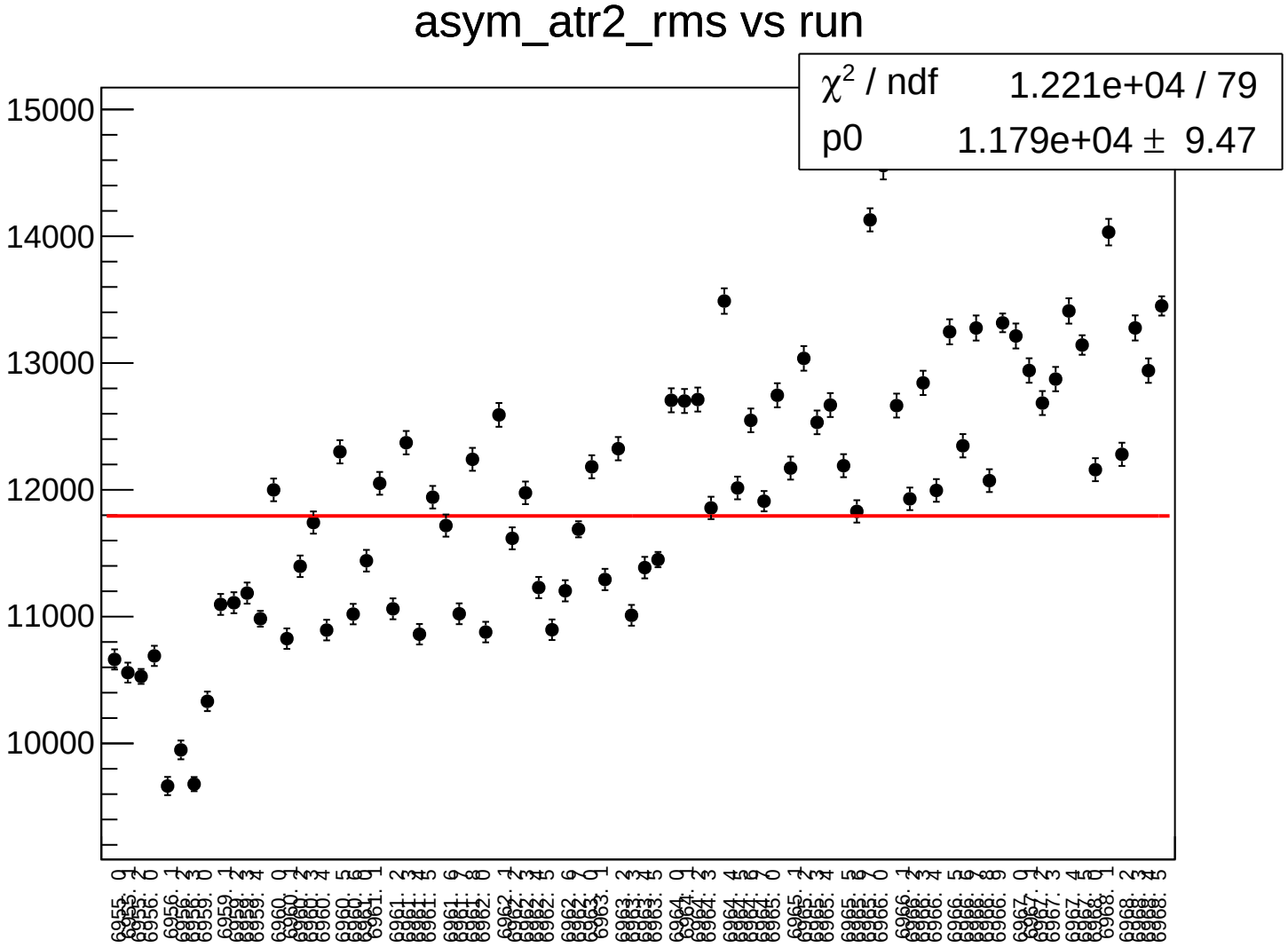

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 85.61 / 79
p0 −8292 ± 1.307e+04
pull
Entries 80
Mean −18.52
Std Dev 41.08

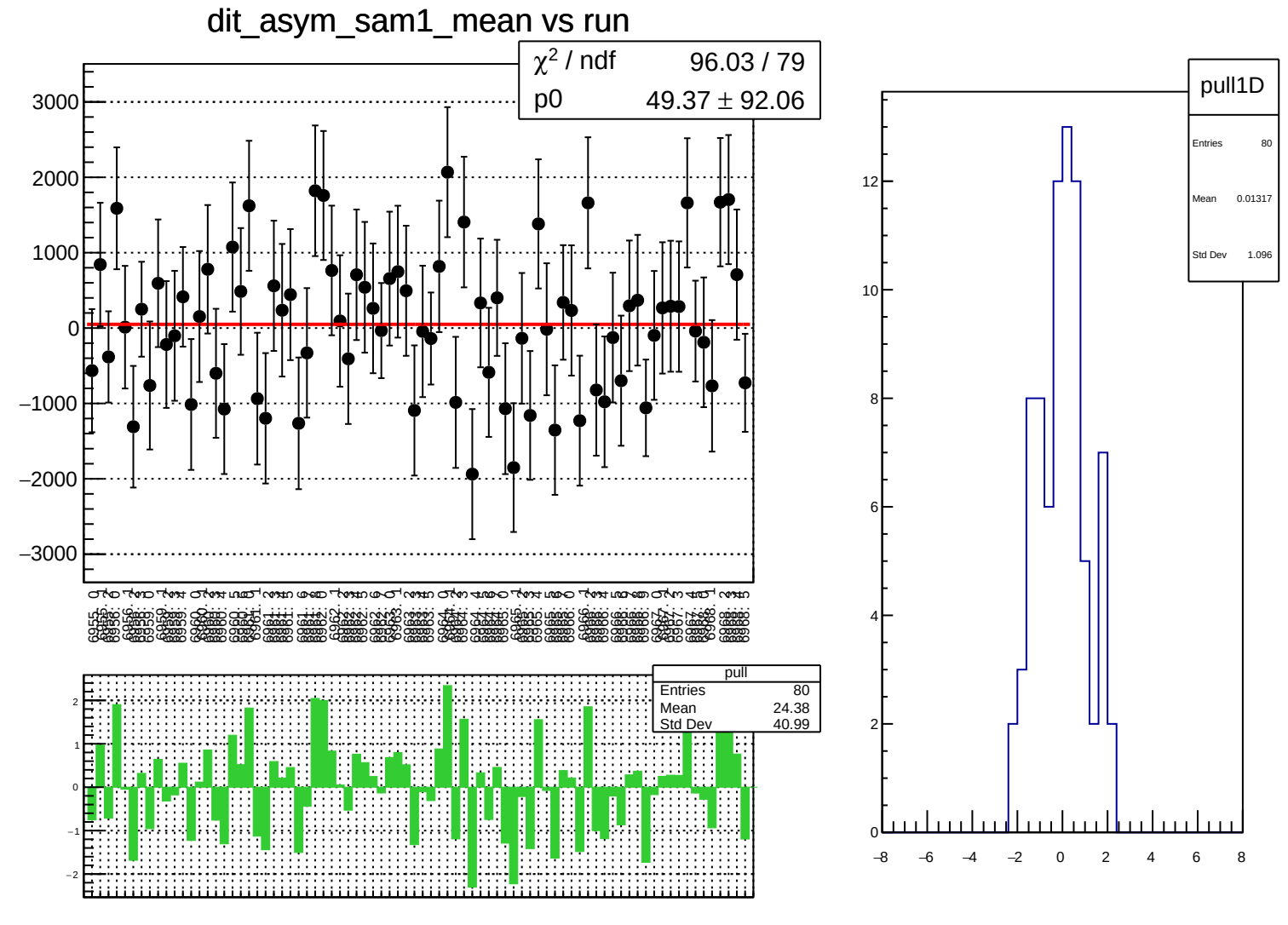

pull1D
Entries 80
Mean −0.02163
Std Dev 1.034

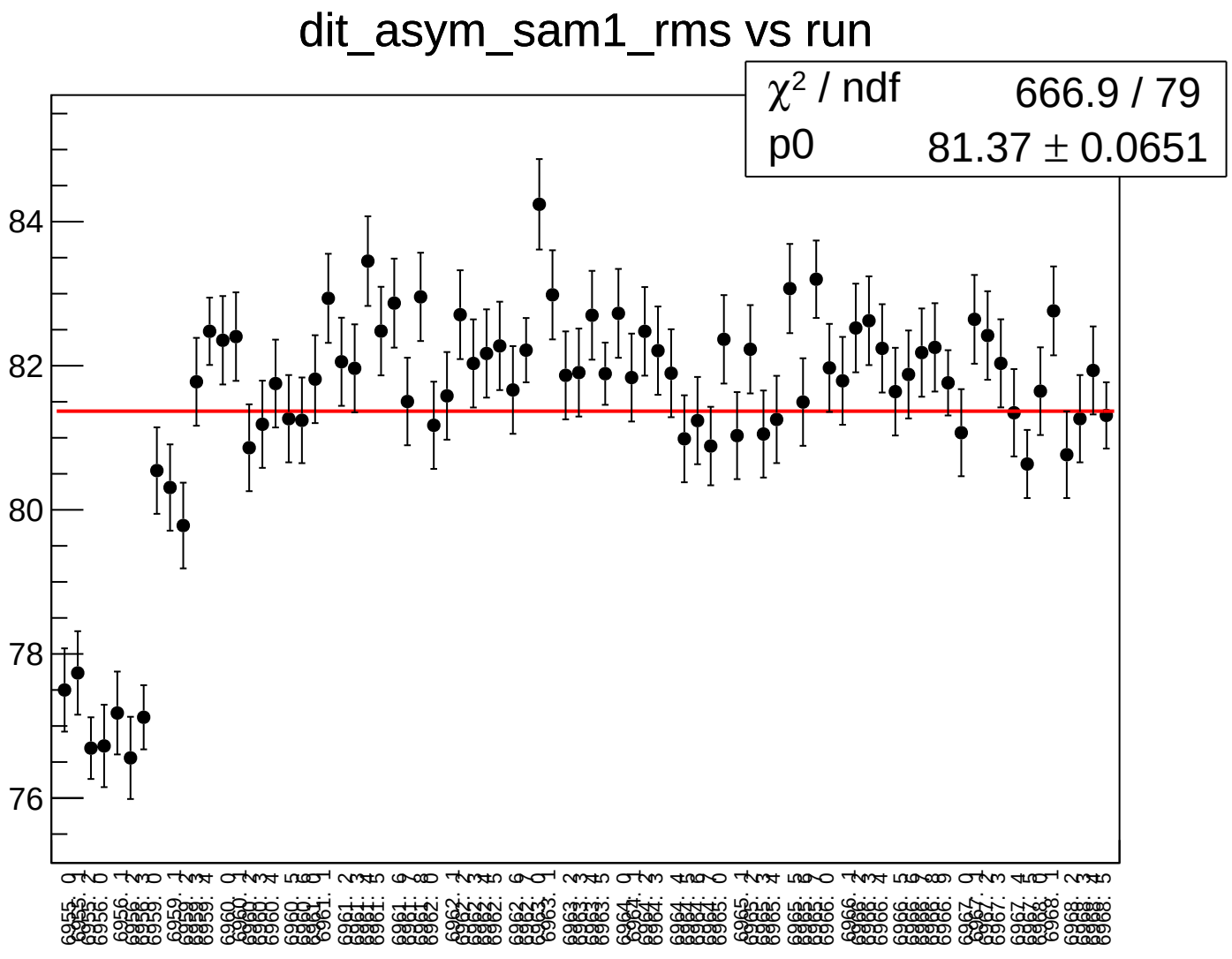

asym_atr2_correction_rms vs run
χ^2 / ndf 1.328e+04 / 79
p0 1.15e+04 ± 9.239
14000
13000
12000
11000
10000
9000

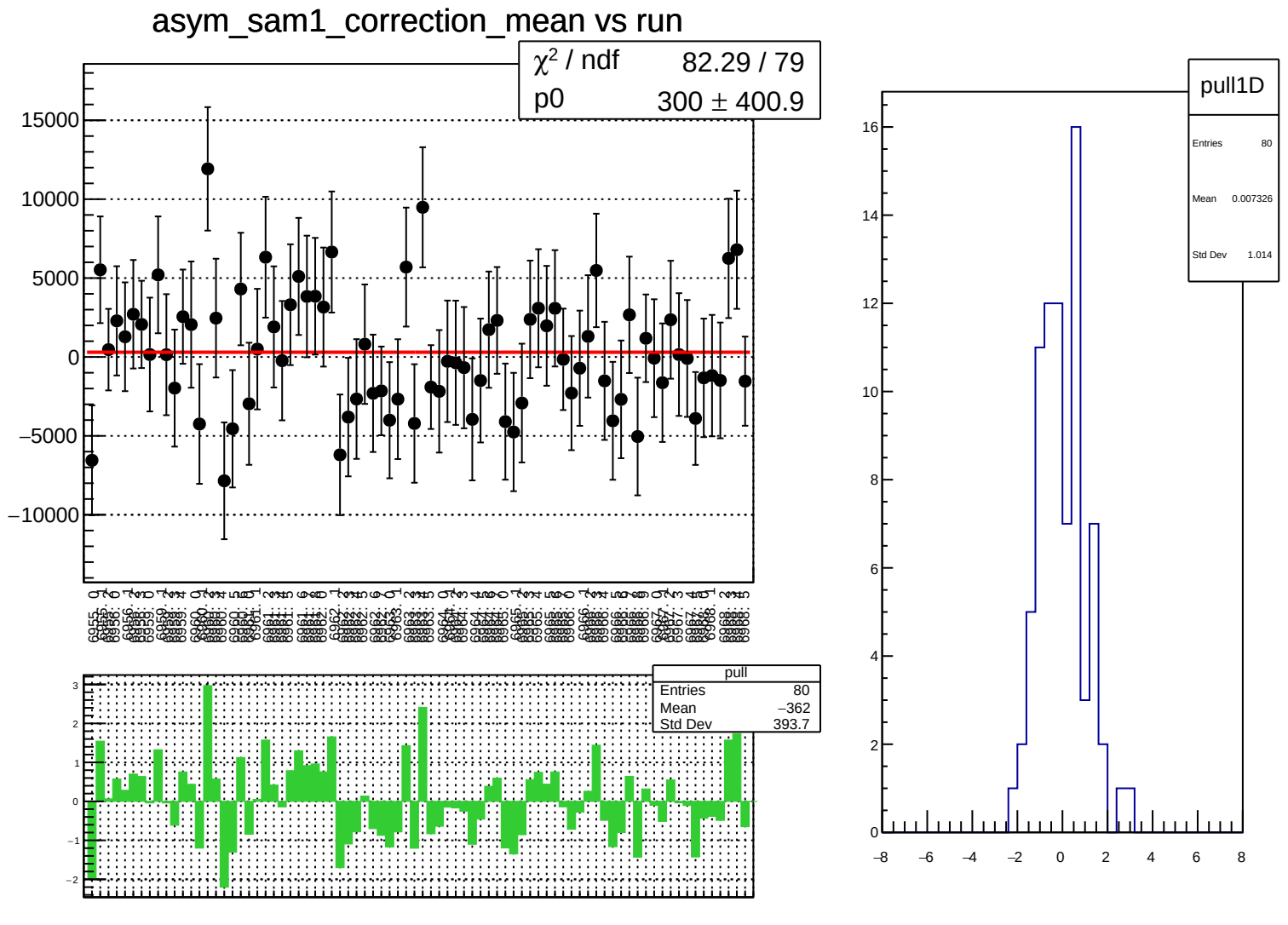

asym_atr2_mean vs run
×10^3
χ² / ndf 86.55 / 79
p0 5123 ± 1.339e+04
pull
Entries 80
Mean −73.3
Std Dev 102.6


pull1D
Entries 80
Mean 0.02018
Std Dev 1.04

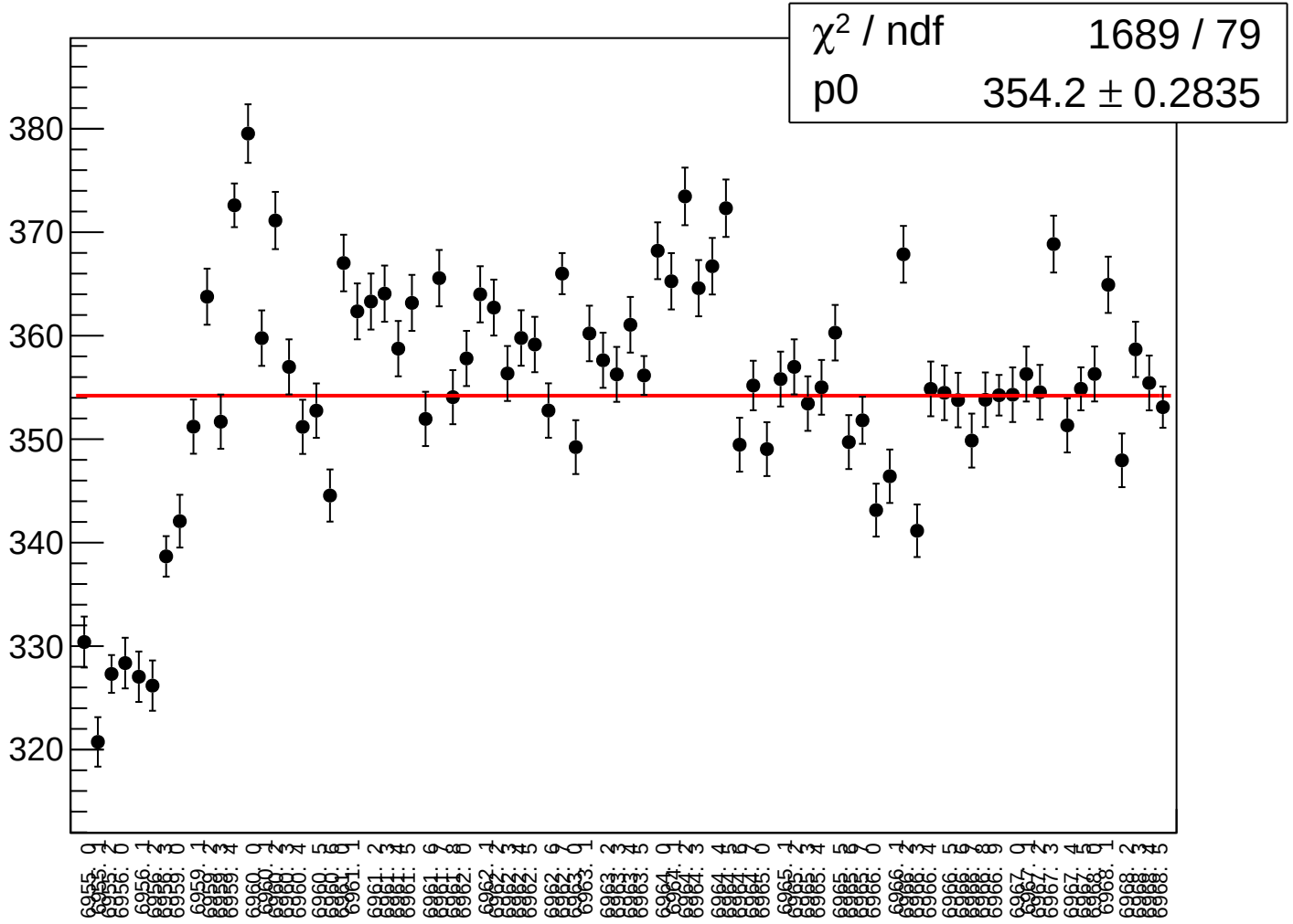

asym_atr2_rms vs run
χ² / ndf 1.221e+04 / 79
p0 1.179e+04 ± 9.47
15000
14000
13000
12000
11000
10000

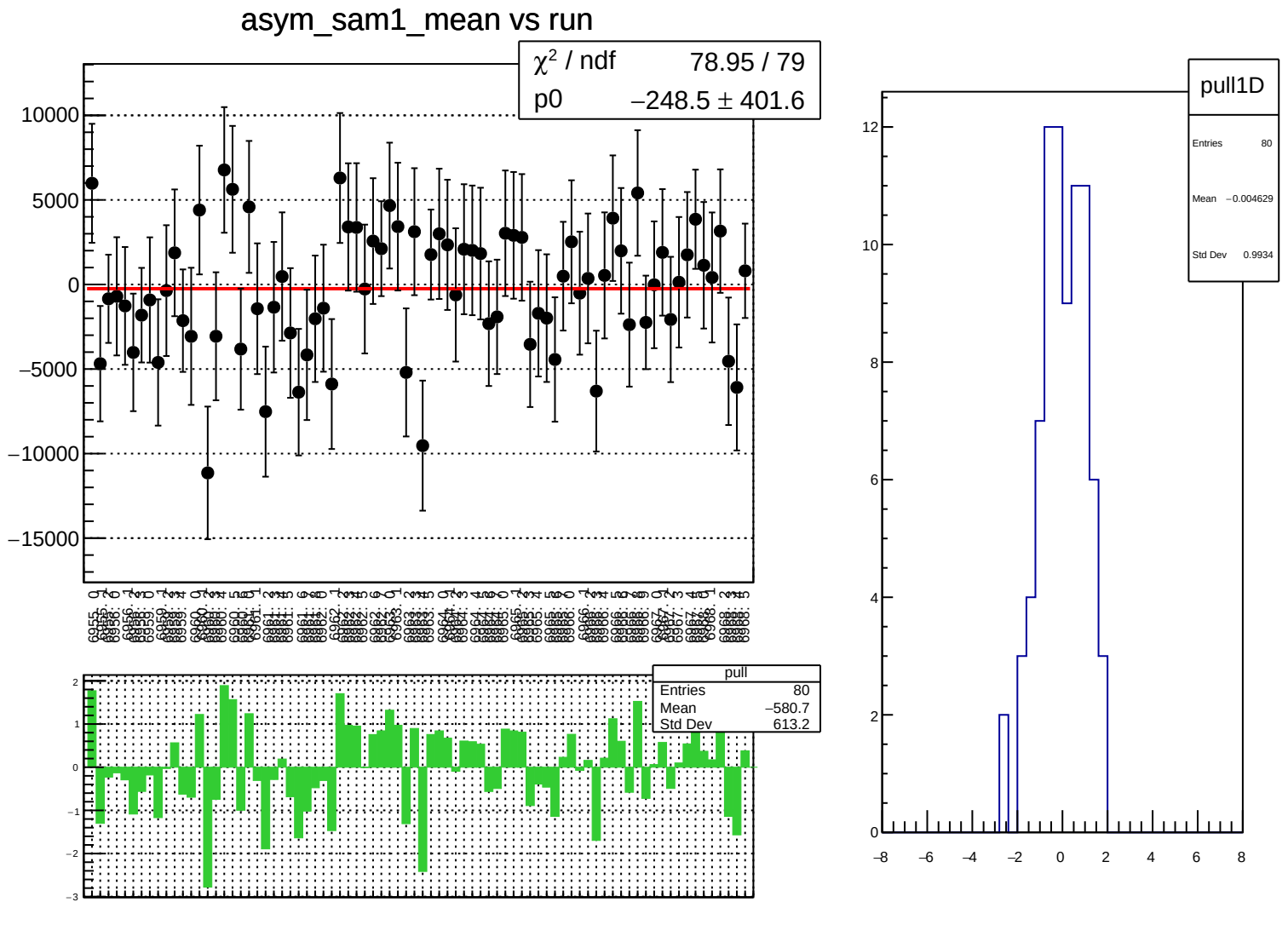

dit_asym_sam1_mean vs run
χ² / ndf 96.03 / 79
p0 49.37 ± 92.06
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean 24.38
Std Dev 40.99
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01317
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

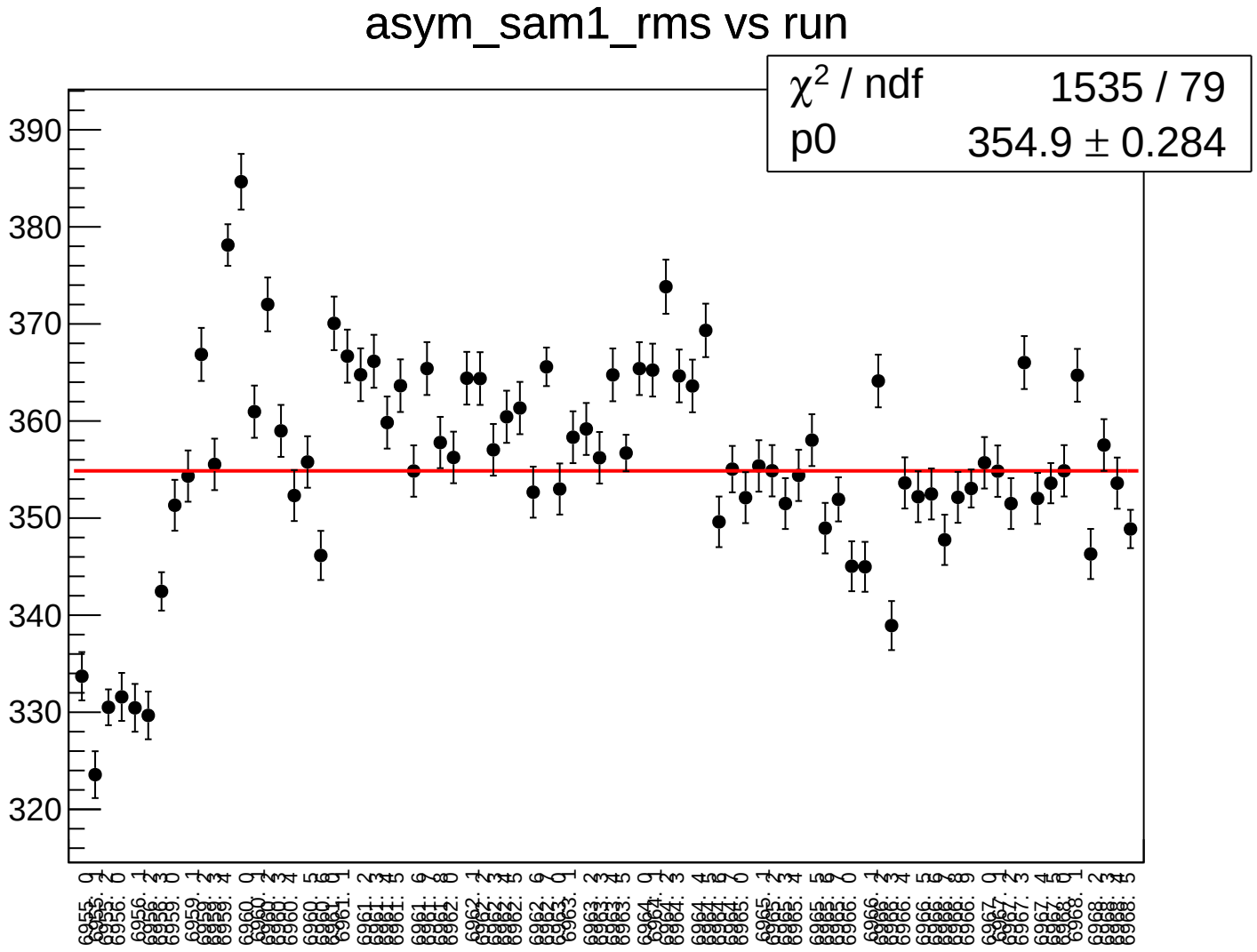

dit_asym_sam1_rms vs run
χ² / ndf 666.9 / 79
p0 81.37 ± 0.0651
84
82
80
78
76

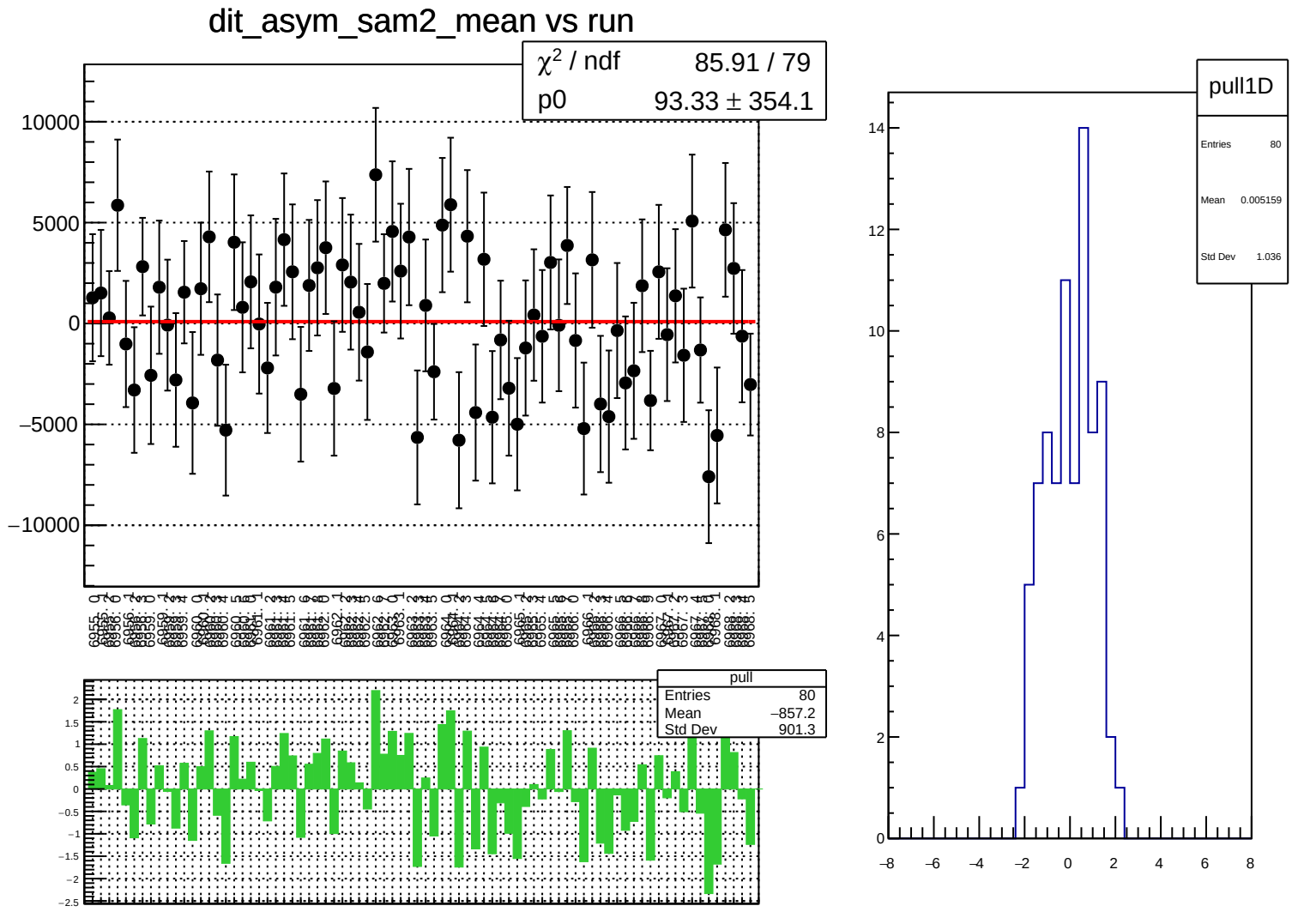

asym_sam1_correction_mean vs run
χ² / ndf 82.29 / 79
p0 300 ± 400.9
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −362
Std Dev 393.7
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.007326
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

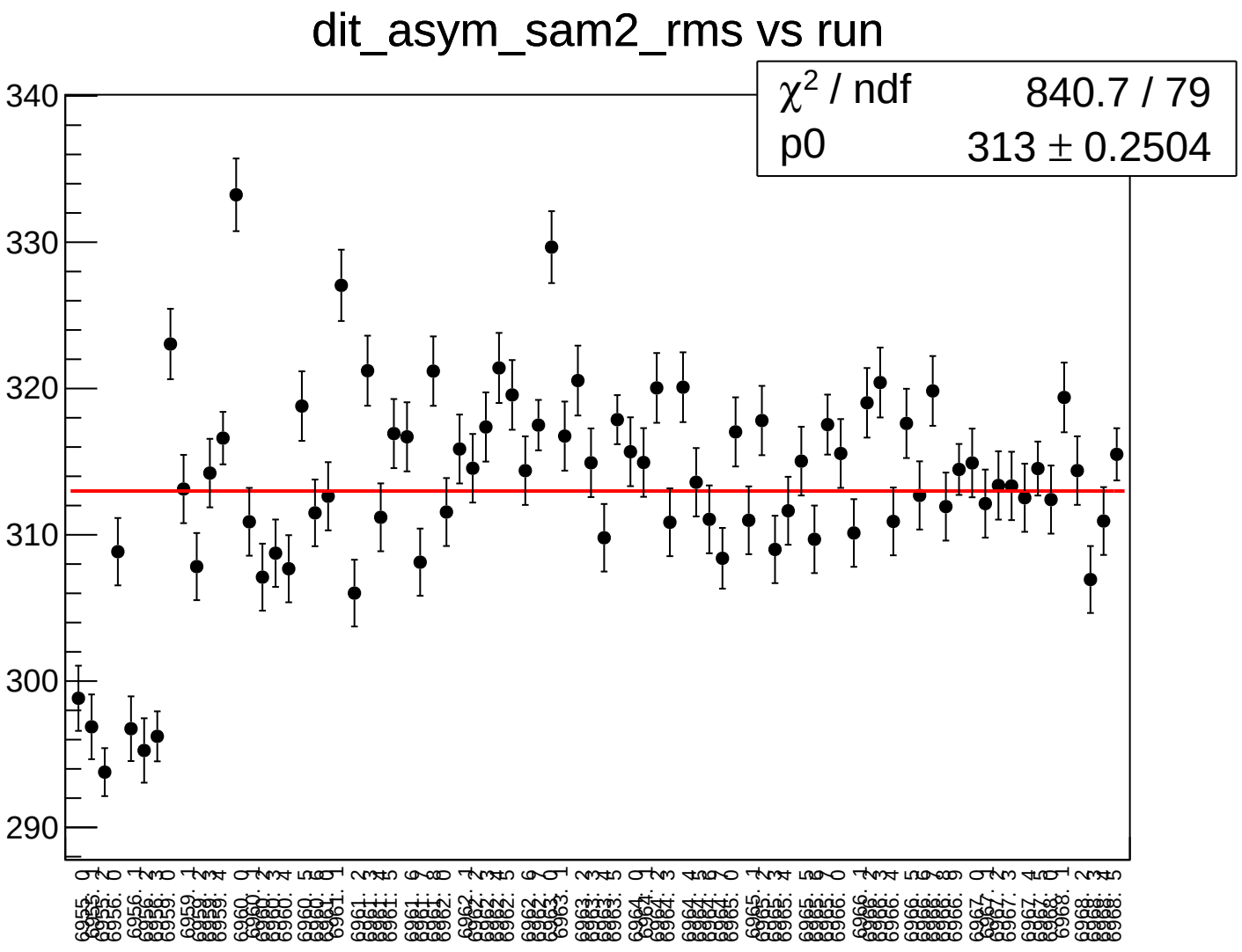
asym_sam1_correction_rms vs run

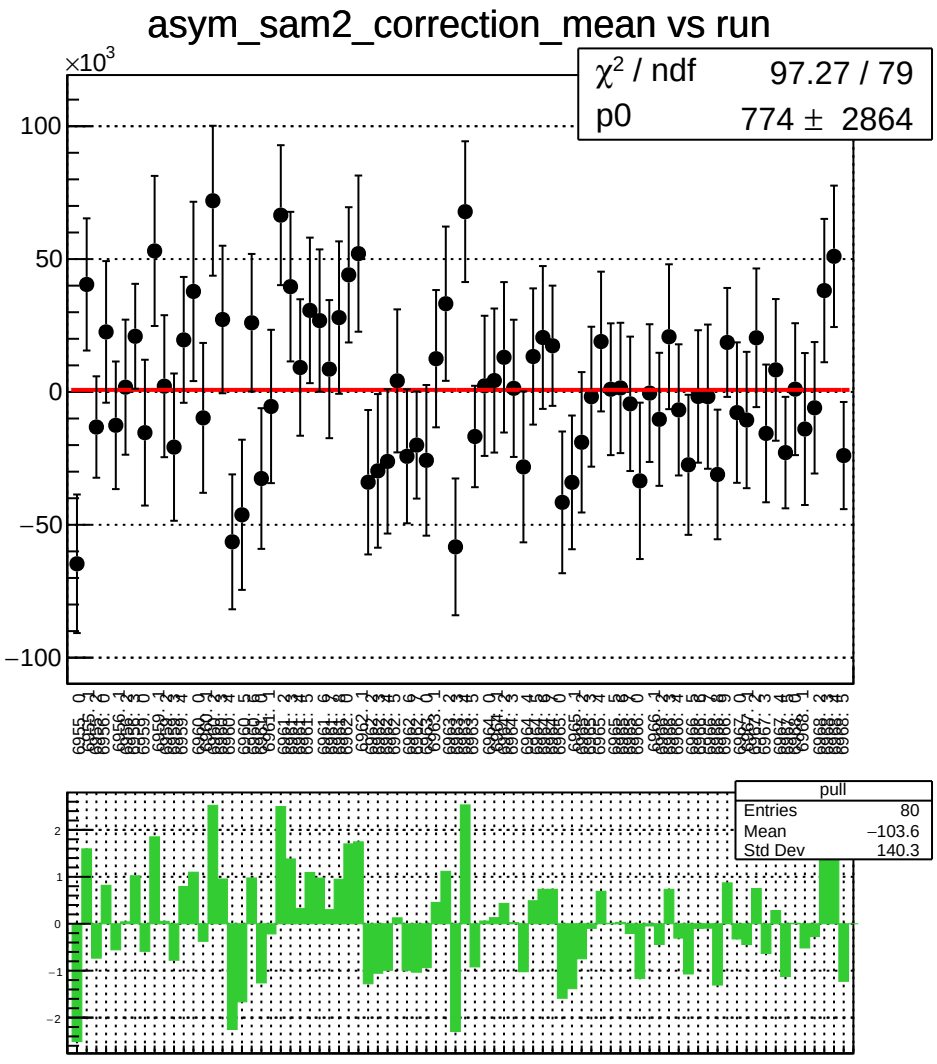


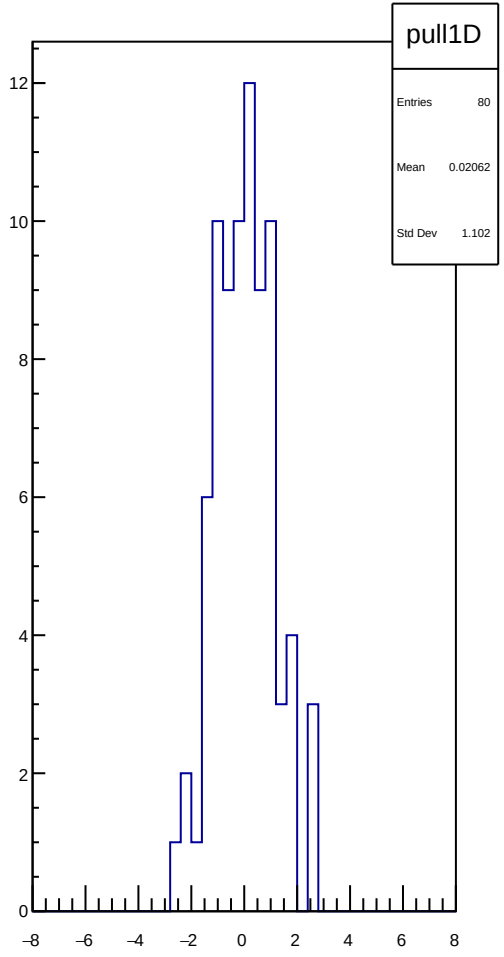

asym_sam1_mean vs run
χ^2 / ndf 78.95 / 79
p0 −248.5 ± 401.6
pull
Entries 80
Mean −580.7
Std Dev 613.2
pull1D
Entries 80
Mean −0.004629
Std Dev 0.9934

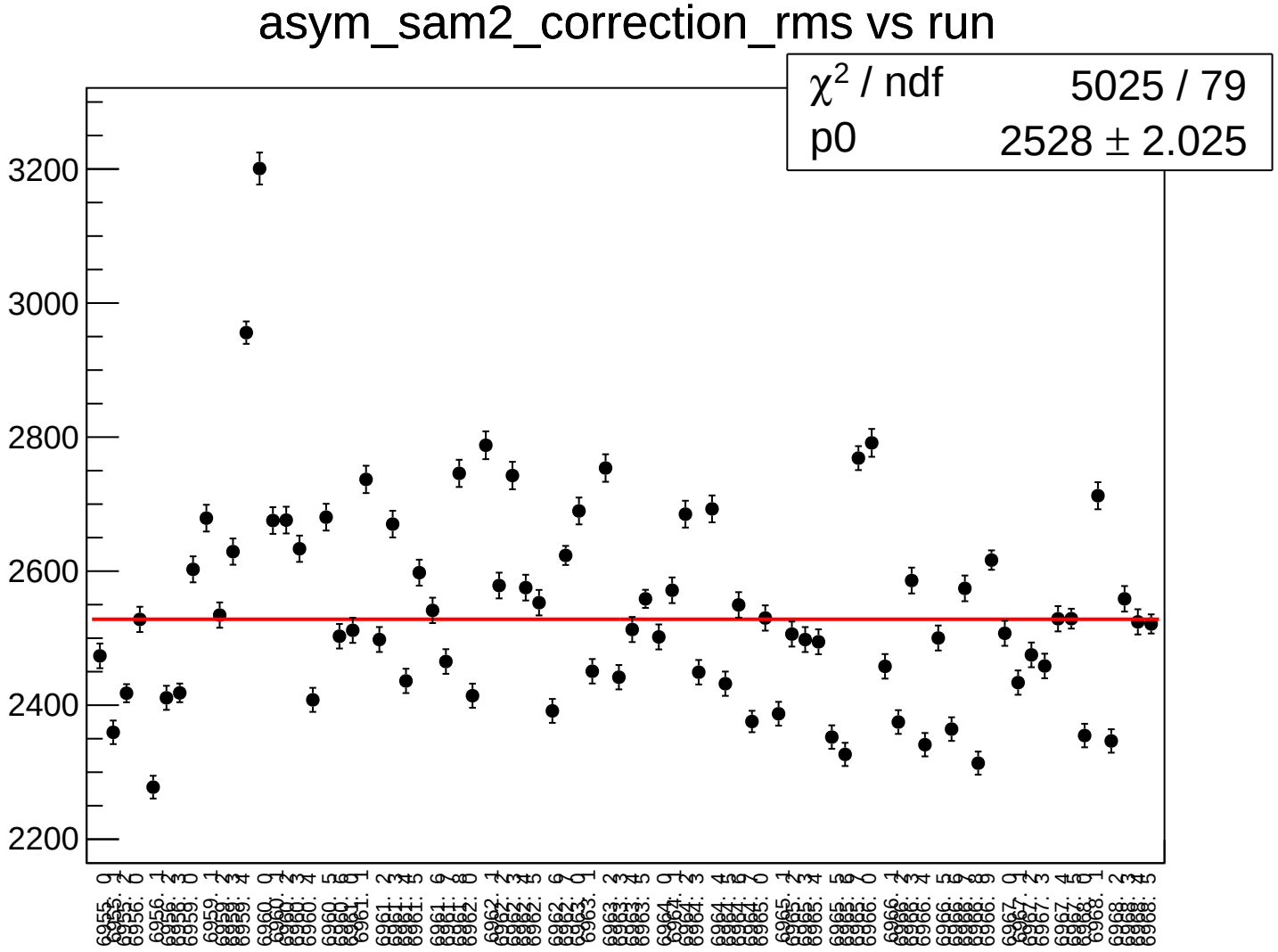

asym_sam1_rms vs run
χ^2 / ndf 1535 / 79
p0 354.9 ± 0.284
390
380
370
360
350
340
330
320

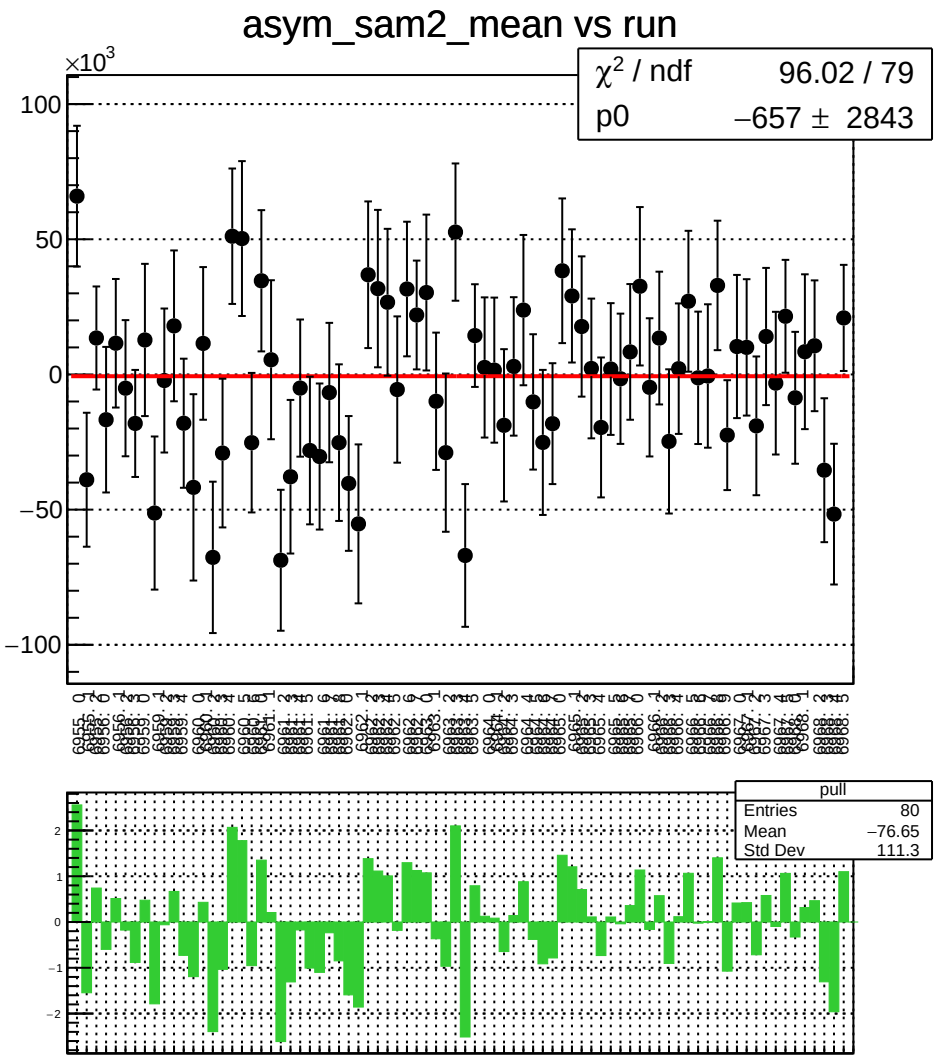

dit_asym_sam2_mean vs run
χ² / ndf 85.91 / 79
p0 93.33 ± 354.1
pull
Entries 80
Mean −857.2
Std Dev 901.3
pull1D
Entries 80
Mean 0.005159
Std Dev 1.036

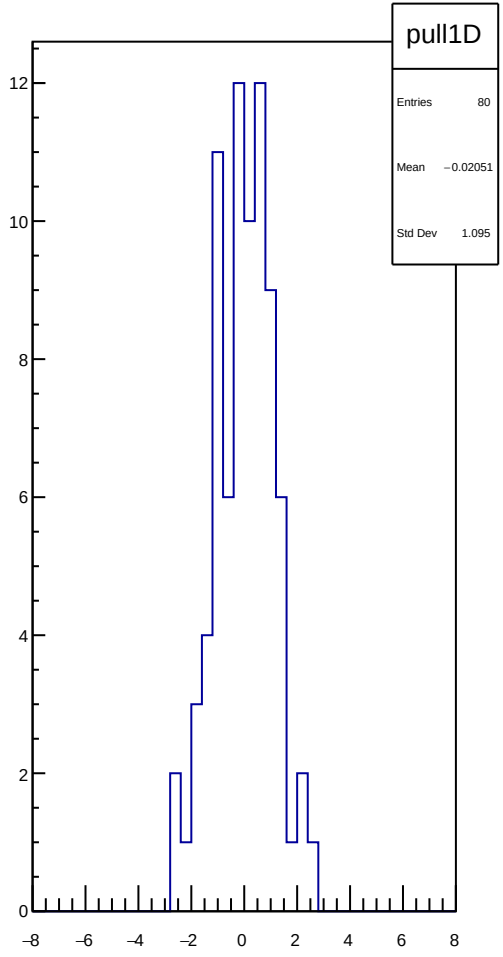

dit_asym_sam2_rms vs run
χ² / ndf 840.7 / 79
p0 313 ± 0.2504
340
330
320
310
300
290

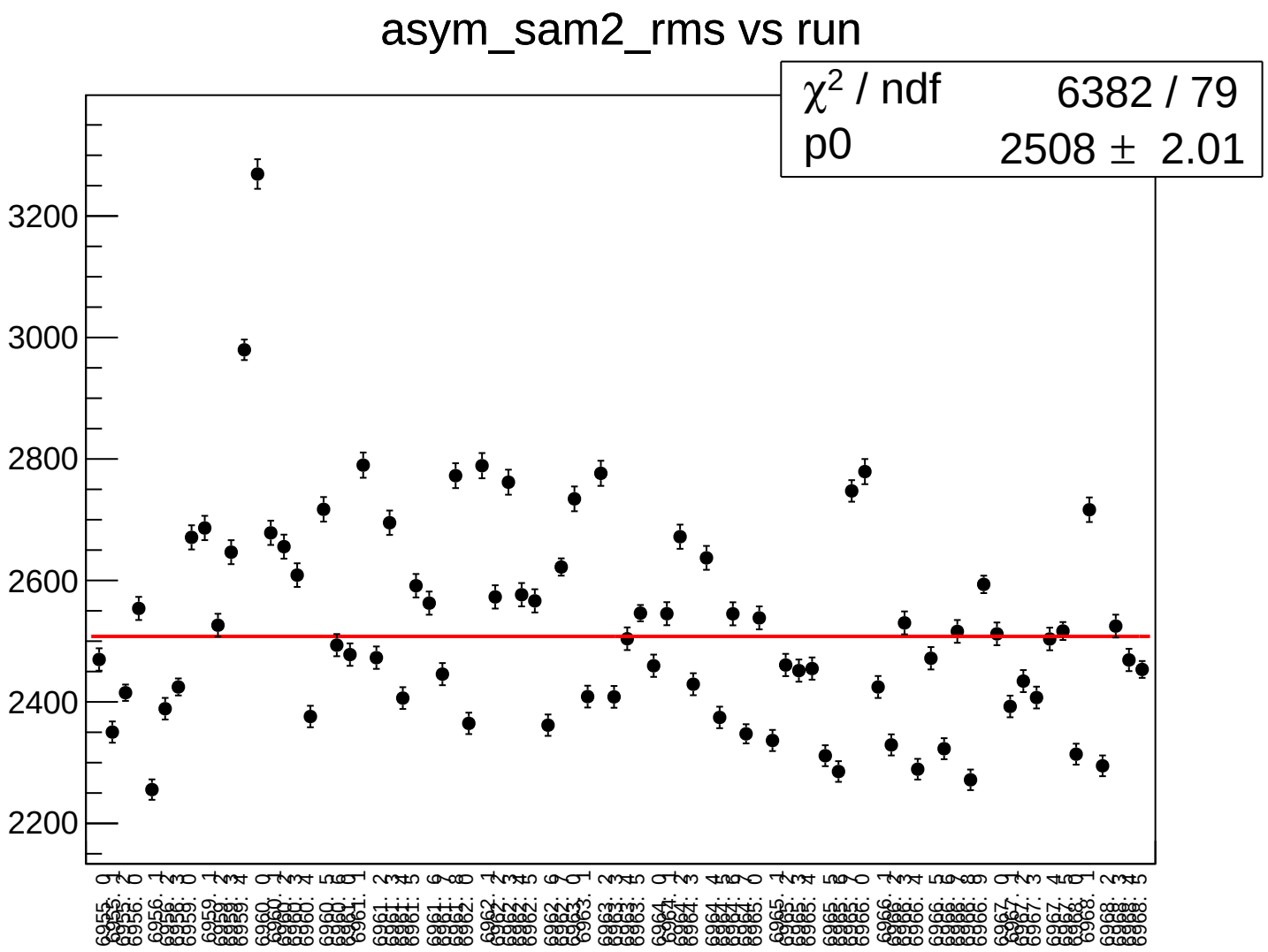

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 97.27 / 79
p0 774 ± 2864
100
50
0
−50
−100
pull
Entries 80
Mean −103.6
Std Dev 140.3
2
1
0
−1
−2

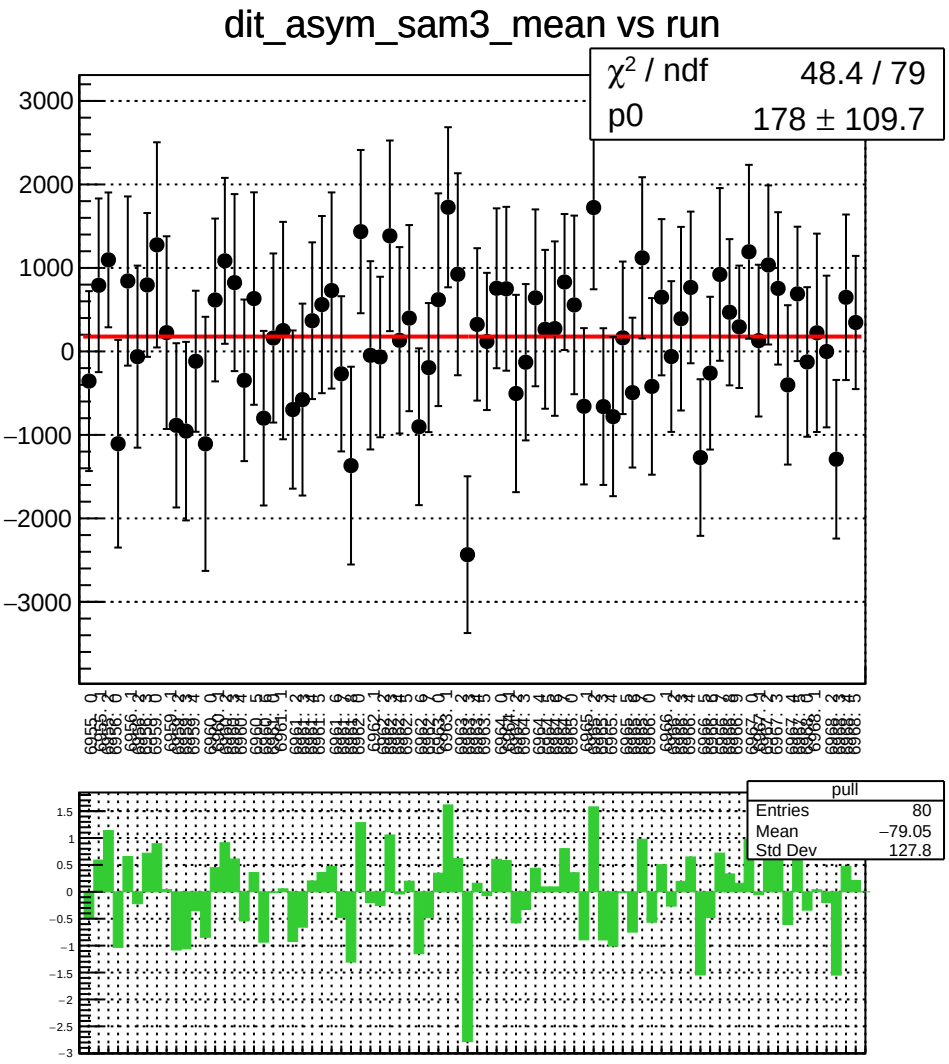

pull1D
Entries 80
Mean 0.02062
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

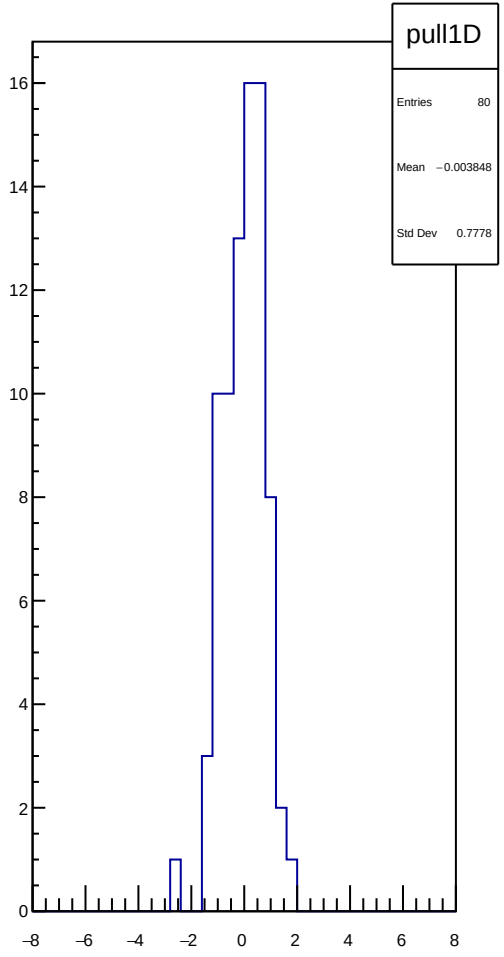

asym_sam2_correction_rms vs run
χ^2 / ndf 5025 / 79
p0 2528 ± 2.025
3200
3000
2800
2600
2400
2200

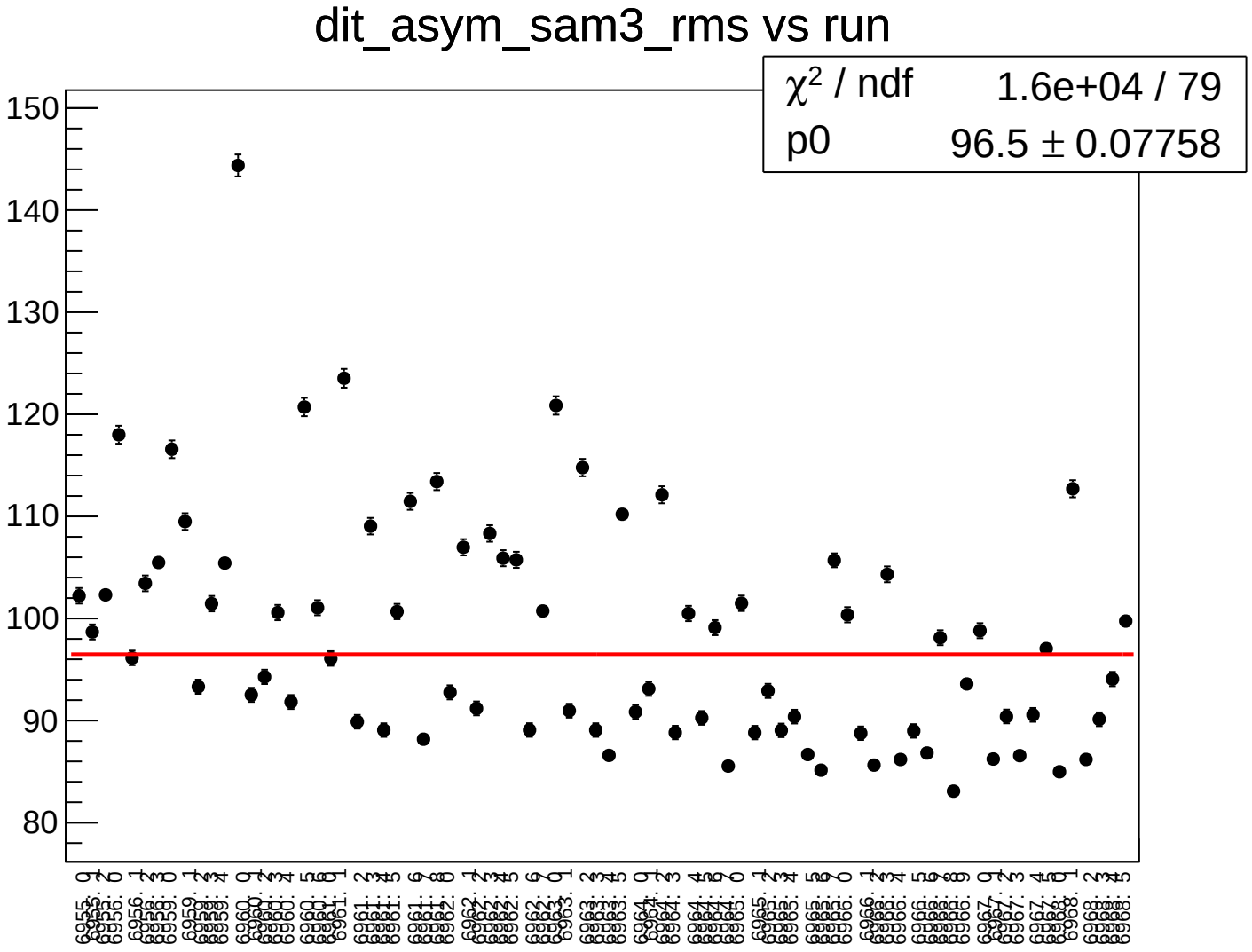

asym_sam2_mean vs run
×10^3
χ² / ndf 96.02 / 79
p0 −657 ± 2843
pull
Entries 80
Mean −76.65
Std Dev 111.3

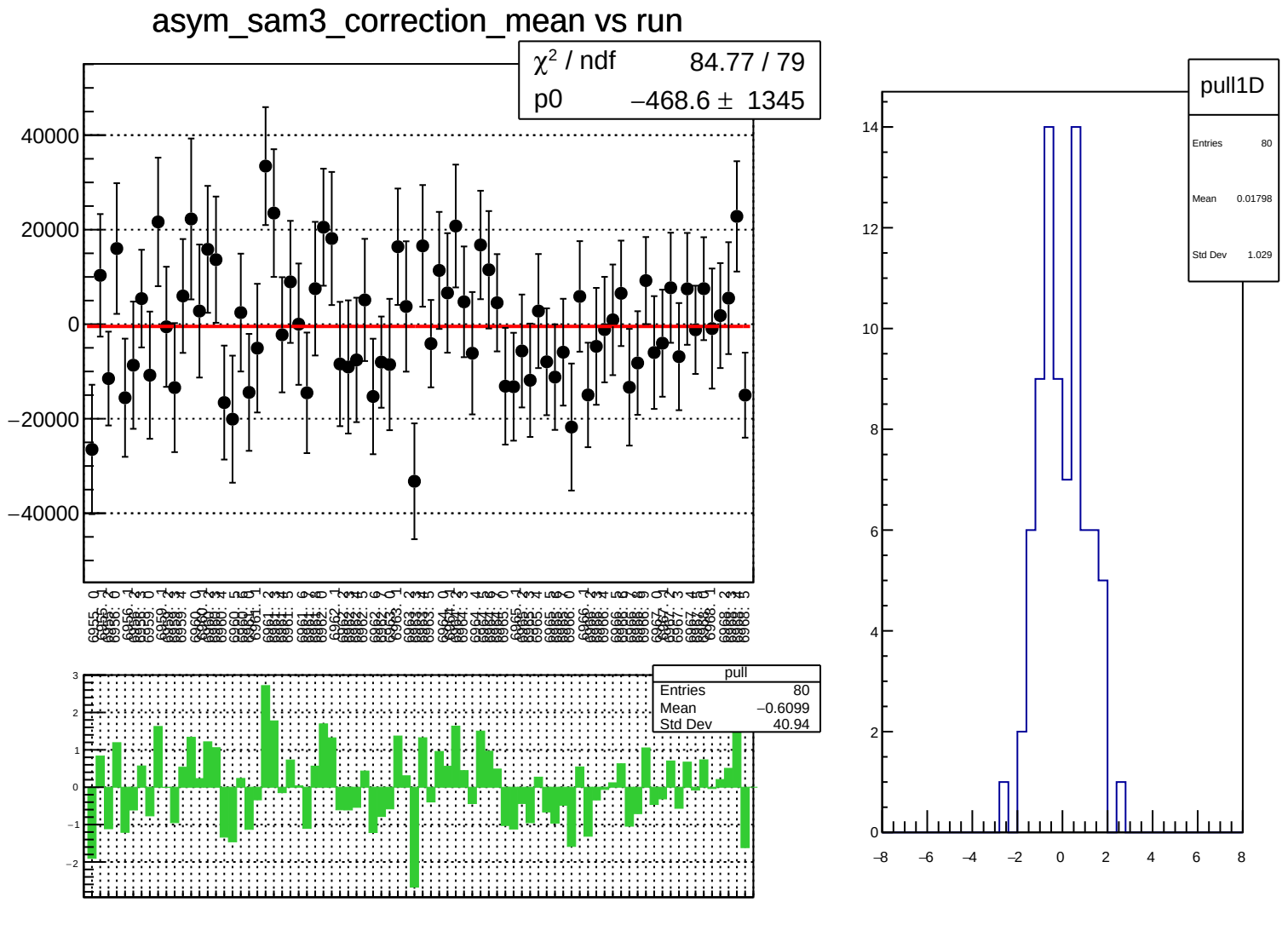

pull1D
Entries 80
Mean −0.02051
Std Dev 1.095

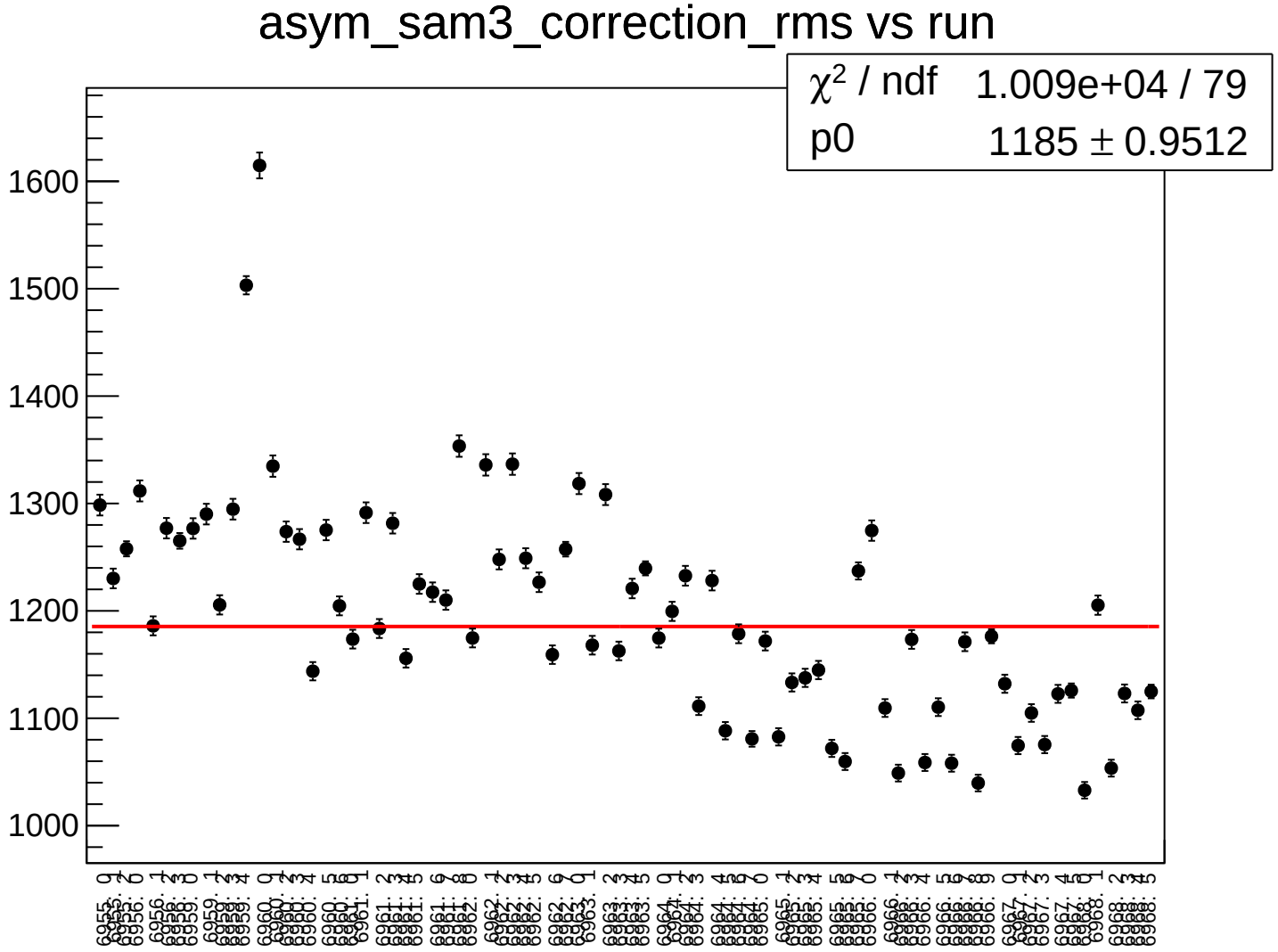

asym_sam2_rms vs run
χ2 / ndf 6382 / 79
p0 2508 ± 2.01
3200
3000
2800
2600
2400
2200

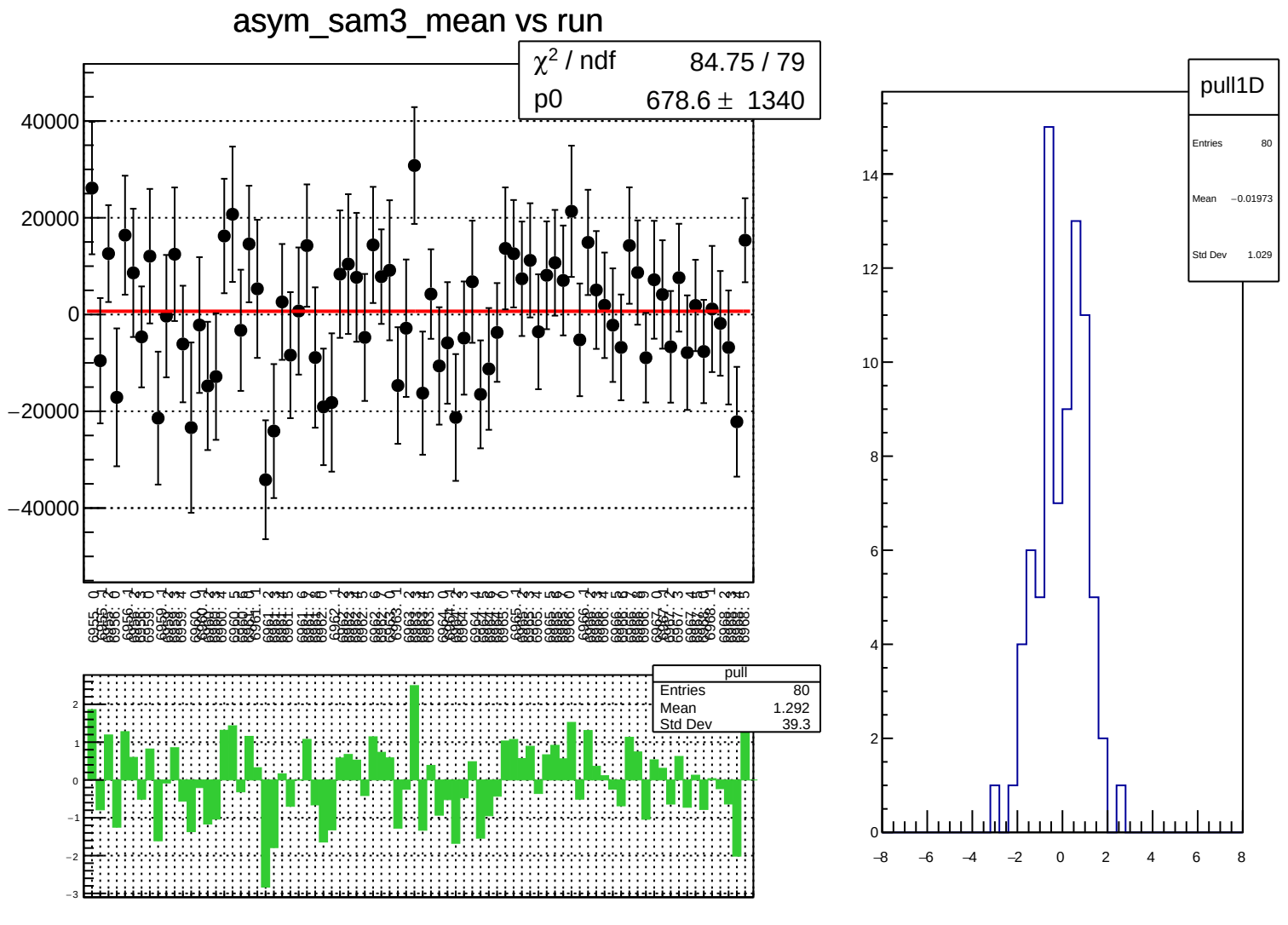

dit_asym_sam3_mean vs run
χ² / ndf 48.4 / 79
p0 178 ± 109.7
pull
Entries 80
Mean −79.05
Std Dev 127.8

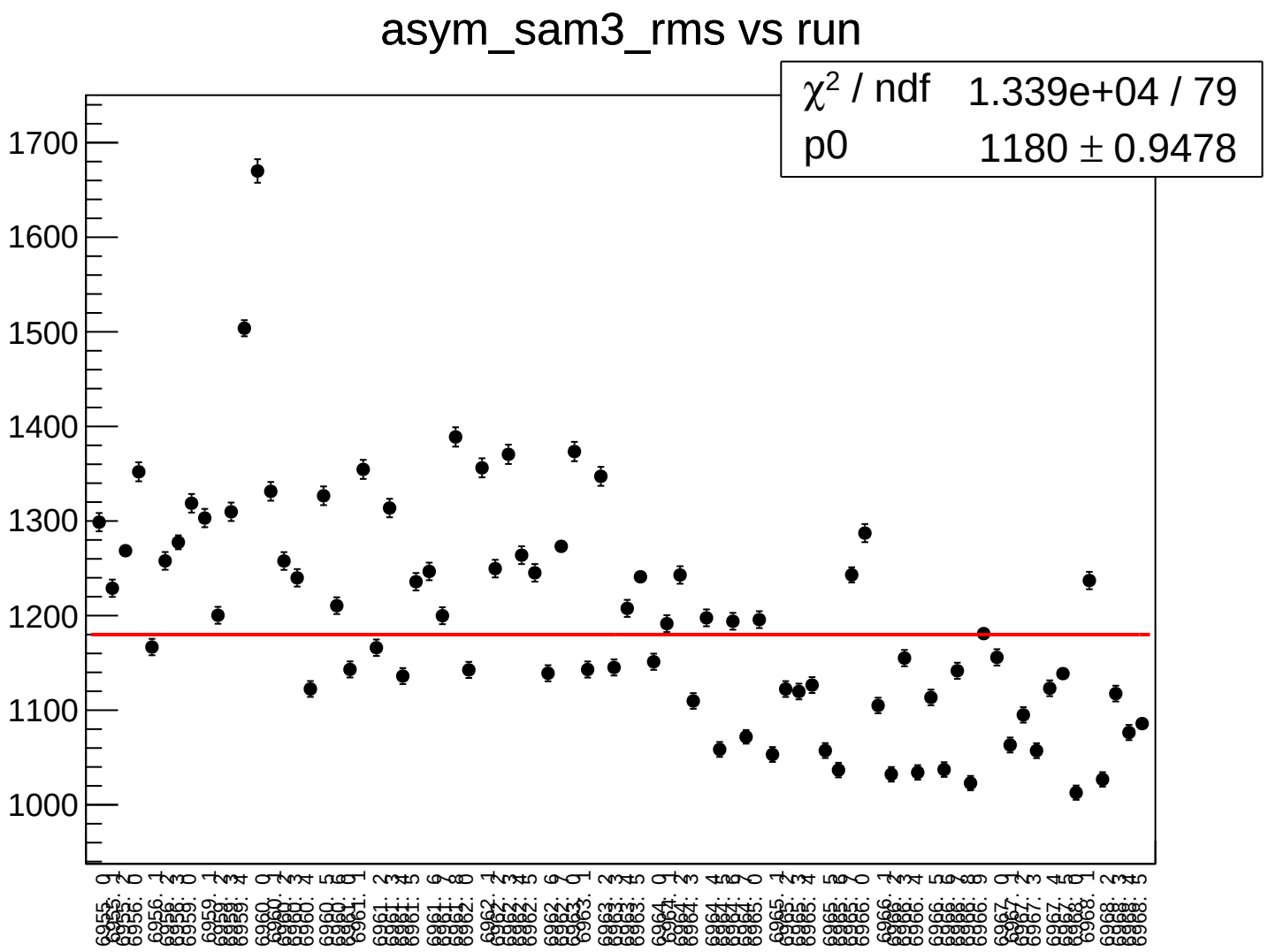

pull1D
Entries 80
Mean −0.003848
Std Dev 0.7778

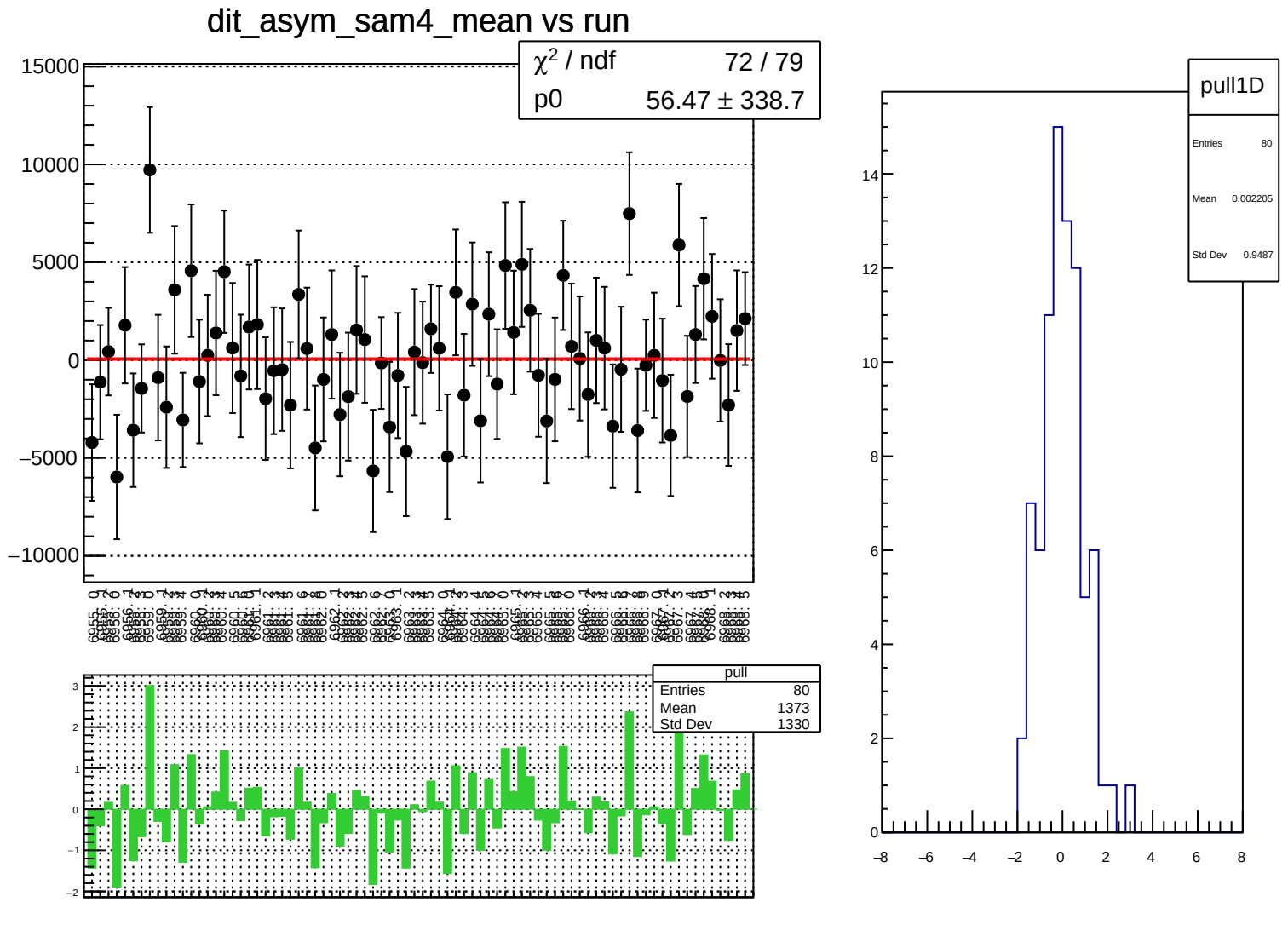

dit_asym_sam3_rms vs run
χ² / ndf 1.6e+04 / 79
p0 96.5 ± 0.07758
150
140
130
120
110
100
90
80


asym_sam3_correction_mean vs run
χ² / ndf 84.77 / 79
p0 −468.6 ± 1345
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −0.6099
Std Dev 40.94
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01798
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

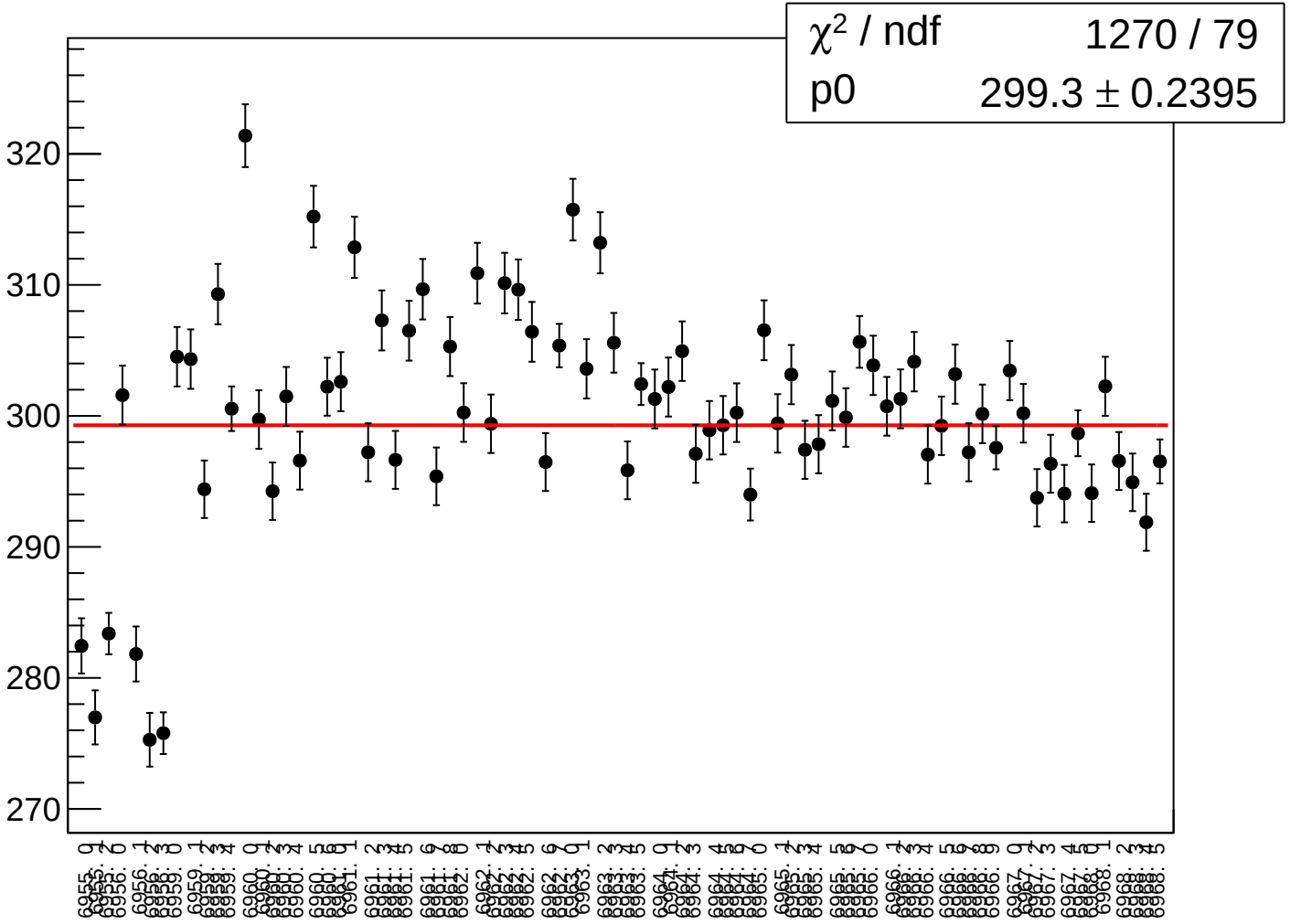

asym_sam3_correction_rms vs run
χ^2 / ndf 1.009e+04 / 79
p0 1185 ± 0.9512
1600
1500
1400
1300
1200
1100
1000

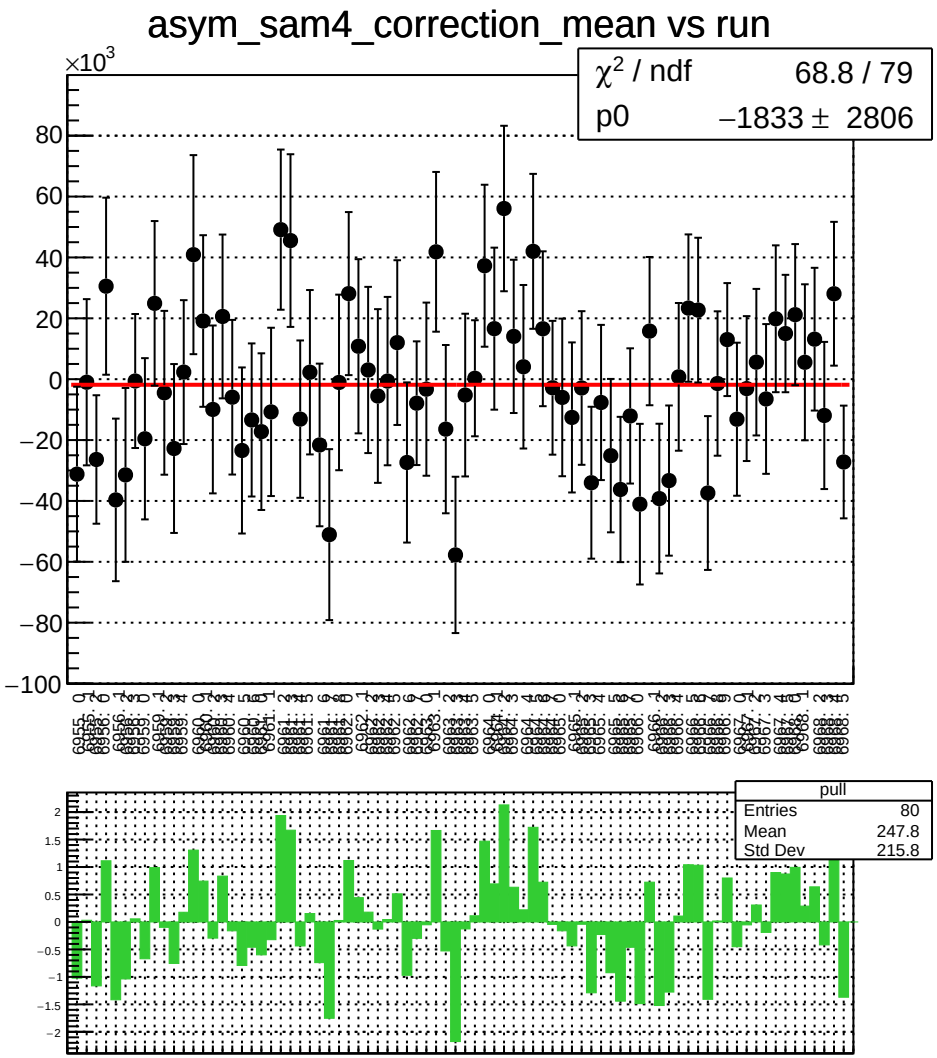

asym_sam3_mean vs run
χ² / ndf 84.75 / 79
p0 678.6 ± 1340
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 1.292
Std Dev 39.3
pull1D
Entries 80
Mean −0.01973
Std Dev 1.029

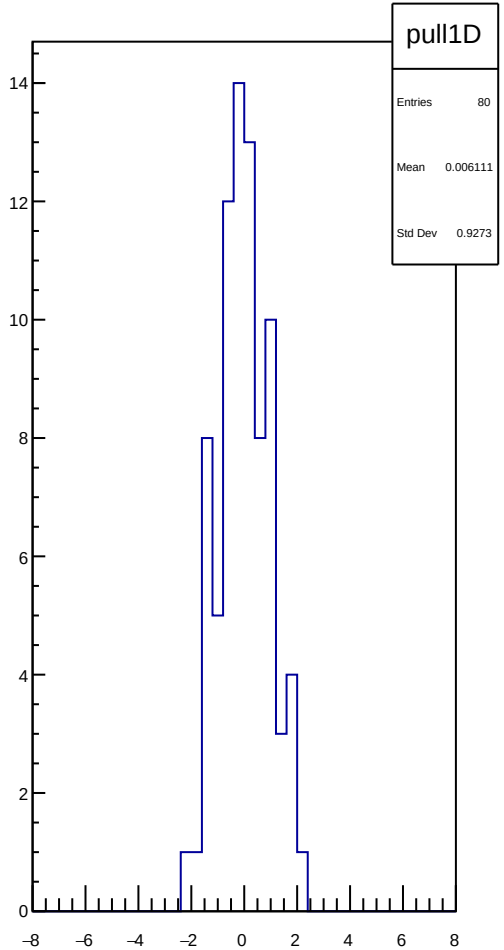

asym_sam3_rms vs run
χ² / ndf 1.339e+04 / 79
p0 1180 ± 0.9478
1700
1600
1500
1400
1300
1200
1100
1000


dit_asym_sam4_mean vs run
χ² / ndf 72 / 79
p0 56.47 ± 338.7
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 1373
Std Dev 1330
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.002205
Std Dev 0.9487
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

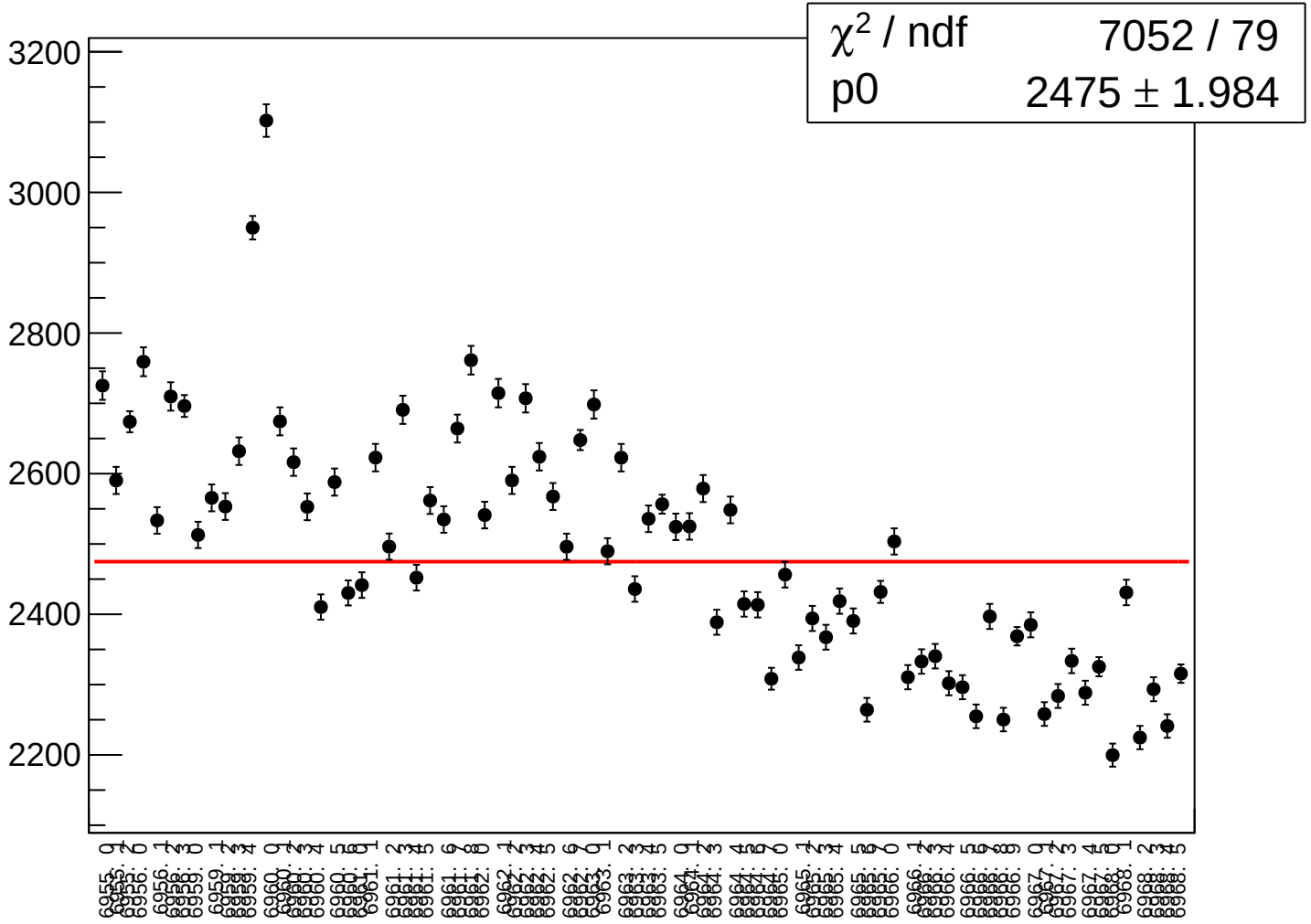
dit_asym_sam4_rms vs run

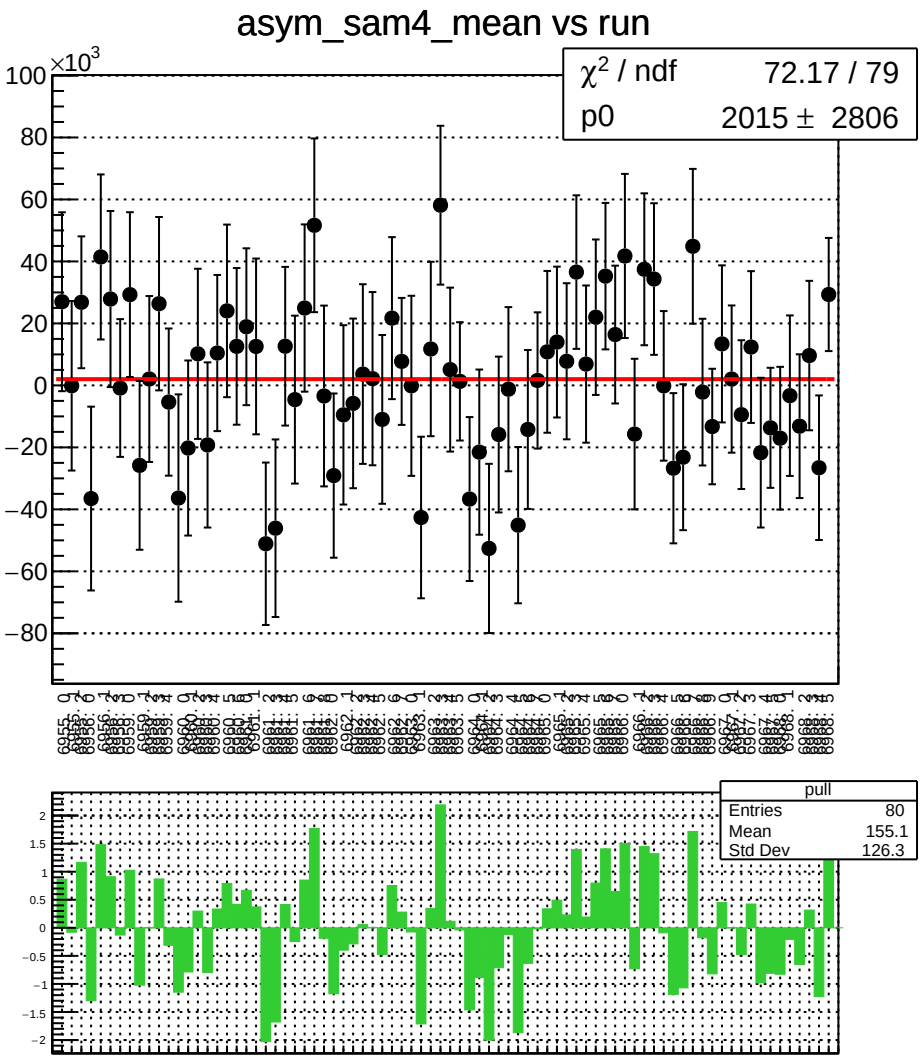


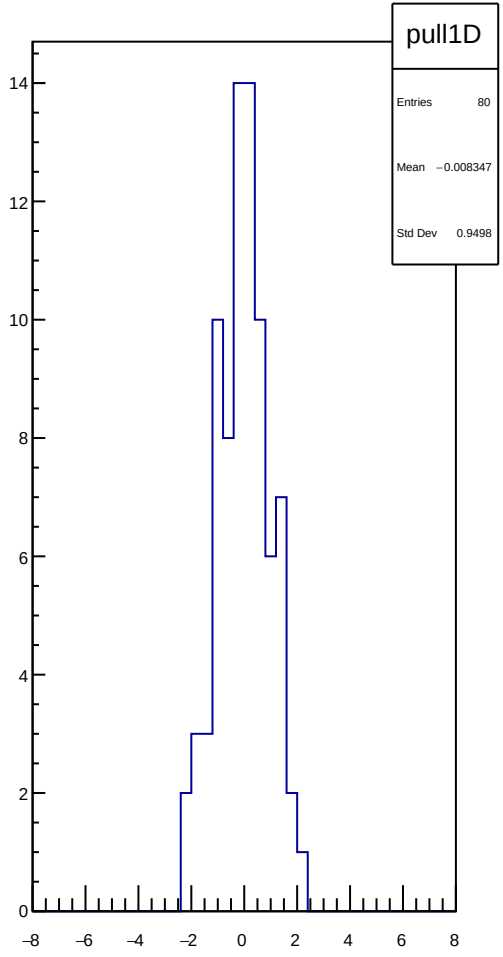

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 68.8 / 79
p0 −1833 ± 2806
pull
Entries 80
Mean 247.8
Std Dev 215.8

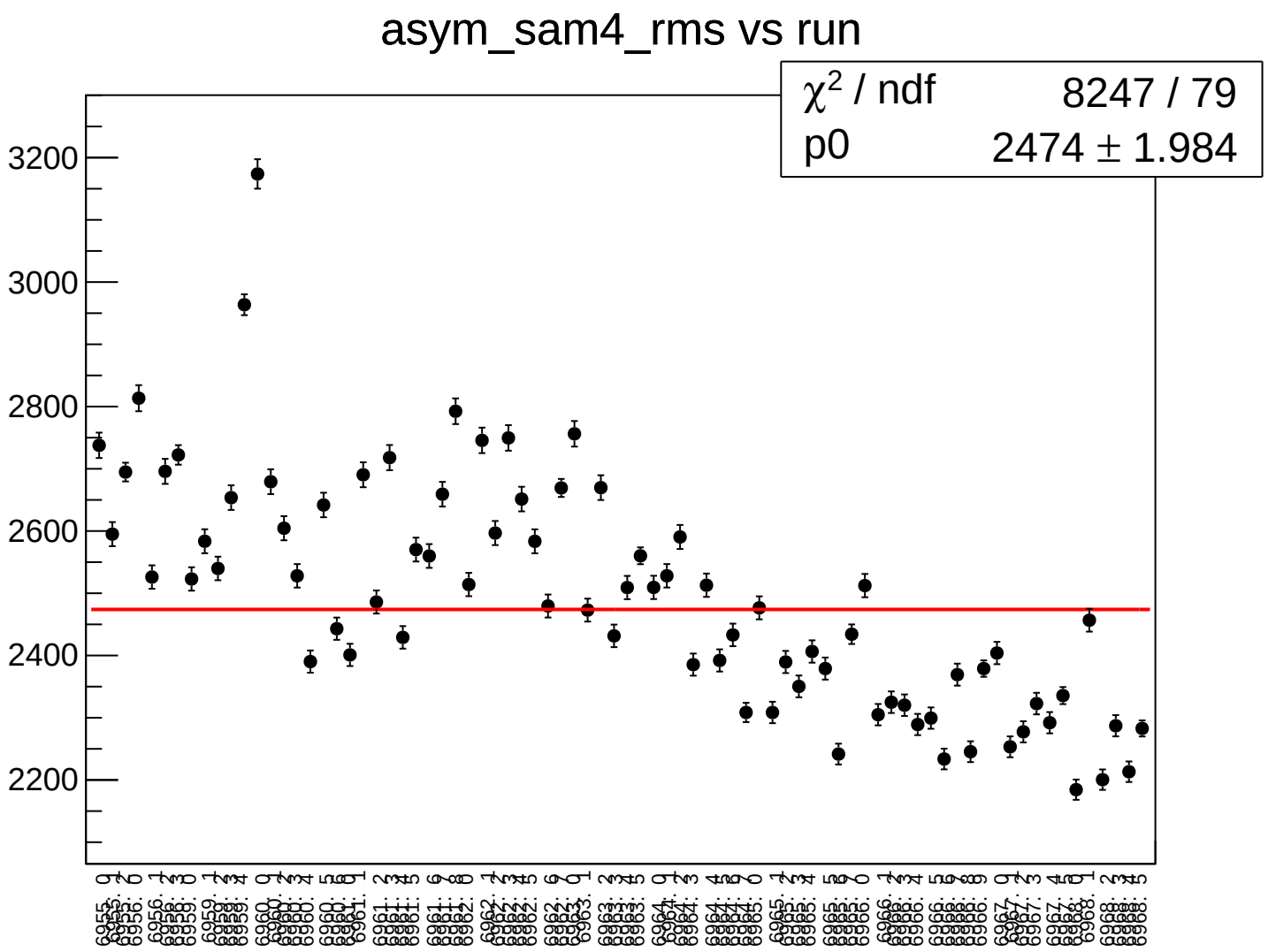

pull1D
Entries 80
Mean 0.006111
Std Dev 0.9273

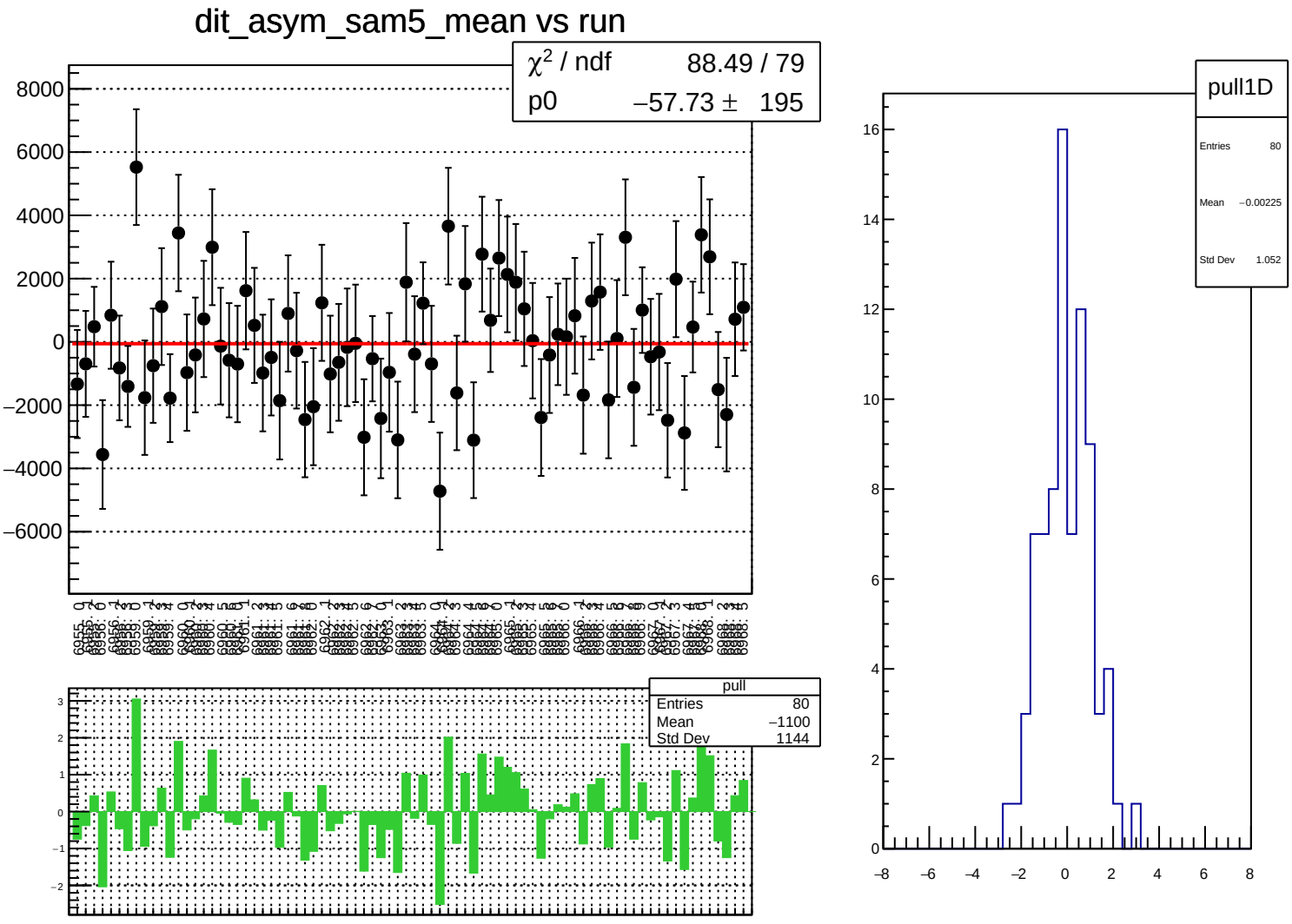
asym_sam4_correction_rms vs run

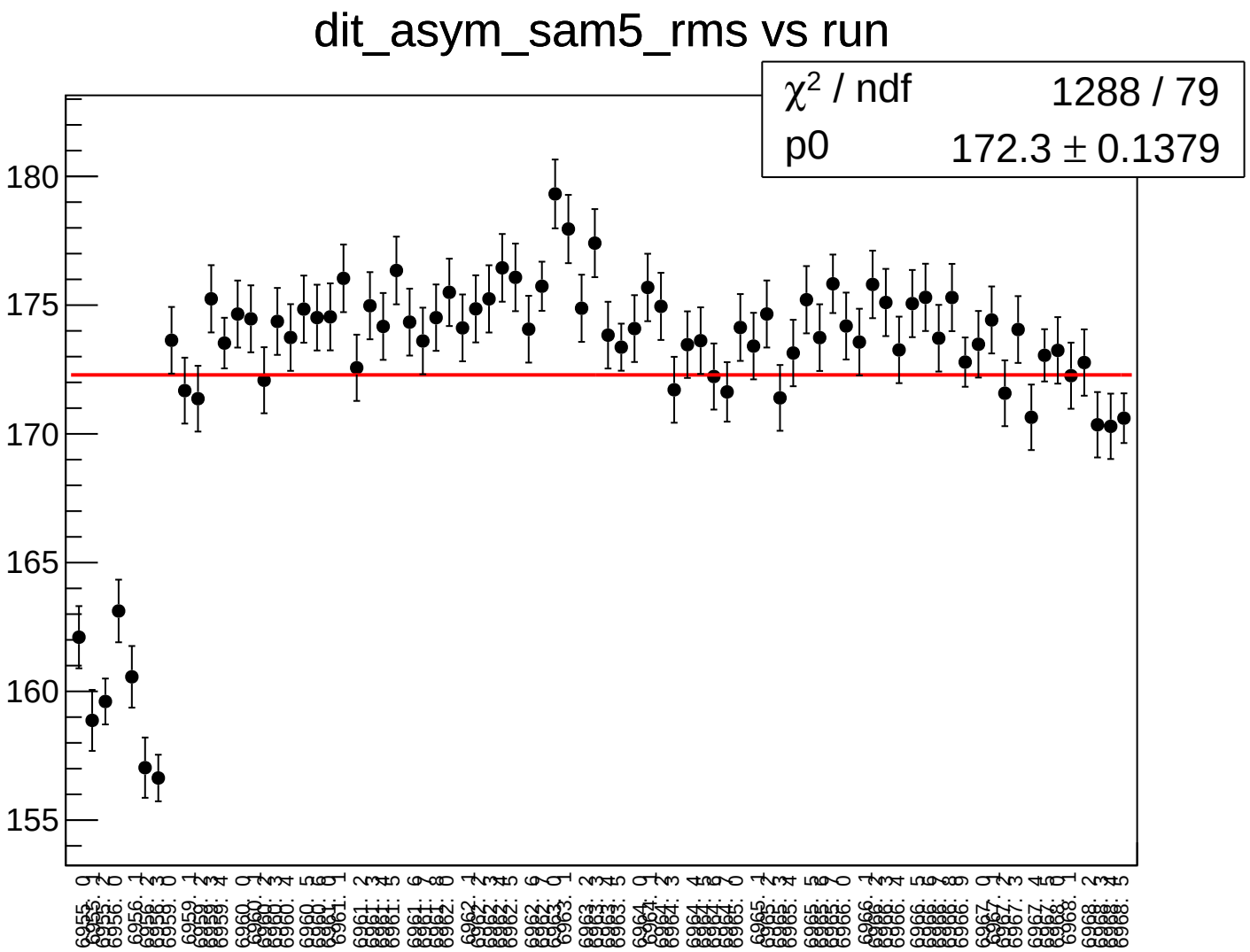


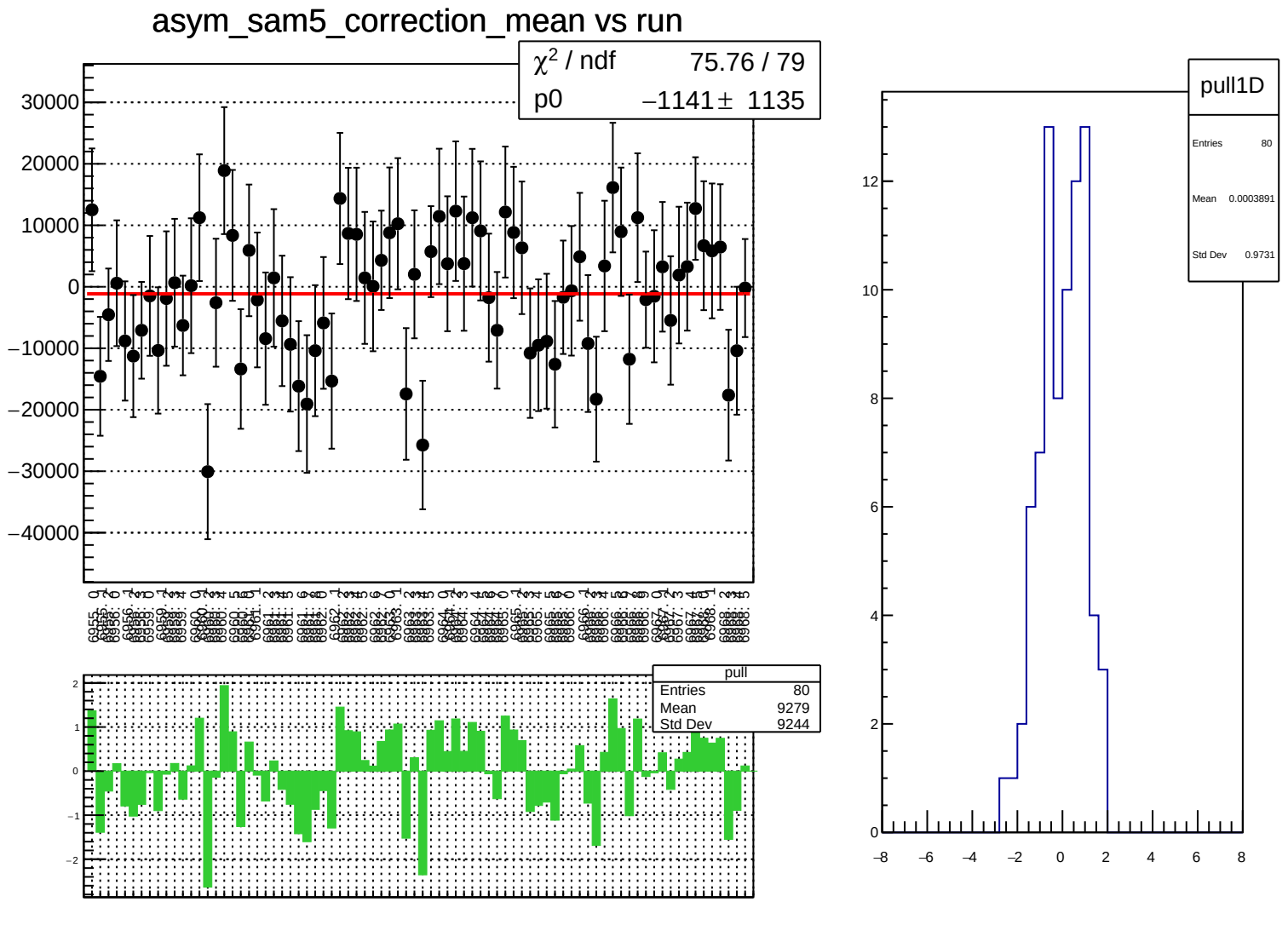

asym_sam4_mean vs run
×10^3
χ² / ndf 72.17 / 79
p0 2015 ± 2806
pull
Entries 80
Mean 155.1
Std Dev 126.3

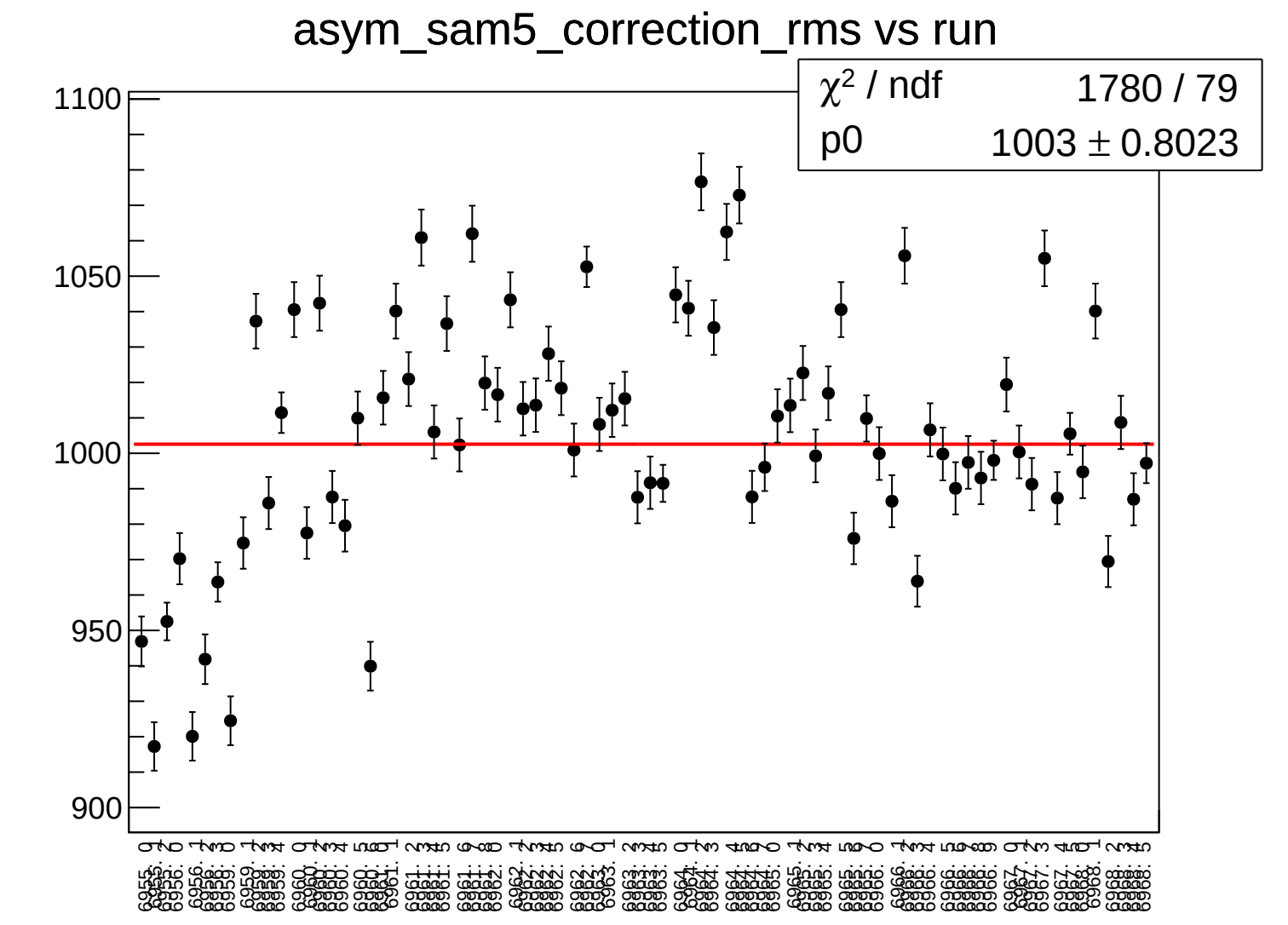

pull1D
Entries 80
Mean −0.008347
Std Dev 0.9498

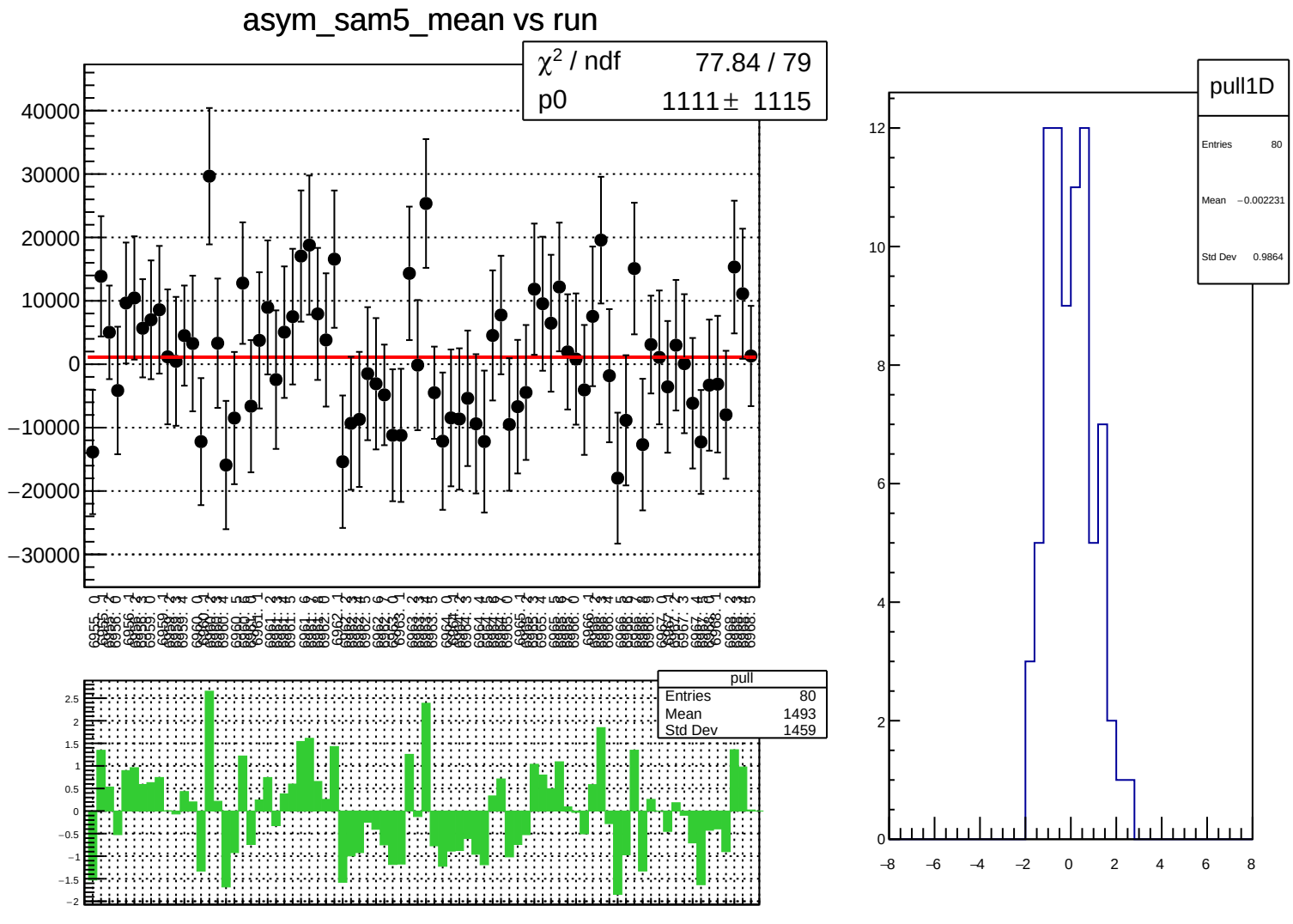

asym_sam4_rms vs run
χ2 / ndf 8247 / 79
p0 2474 ± 1.984
3200
3000
2800
2600
2400
2200

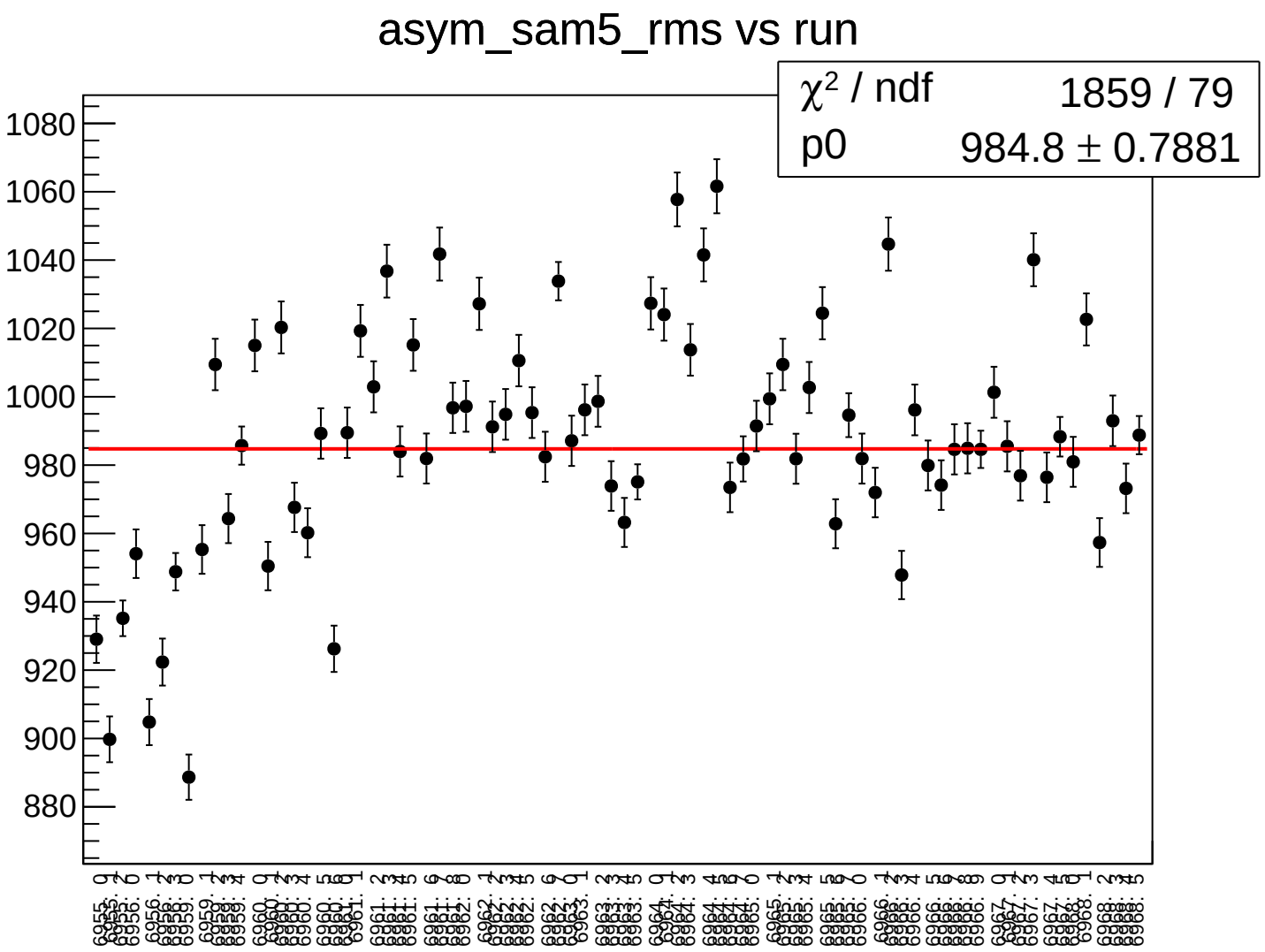

dit_asym_sam5_mean vs run
χ² / ndf 88.49 / 79
p0 −57.73 ± 195
pull
Entries 80
Mean −1100
Std Dev 1144
pull1D
Entries 80
Mean −0.00225
Std Dev 1.052

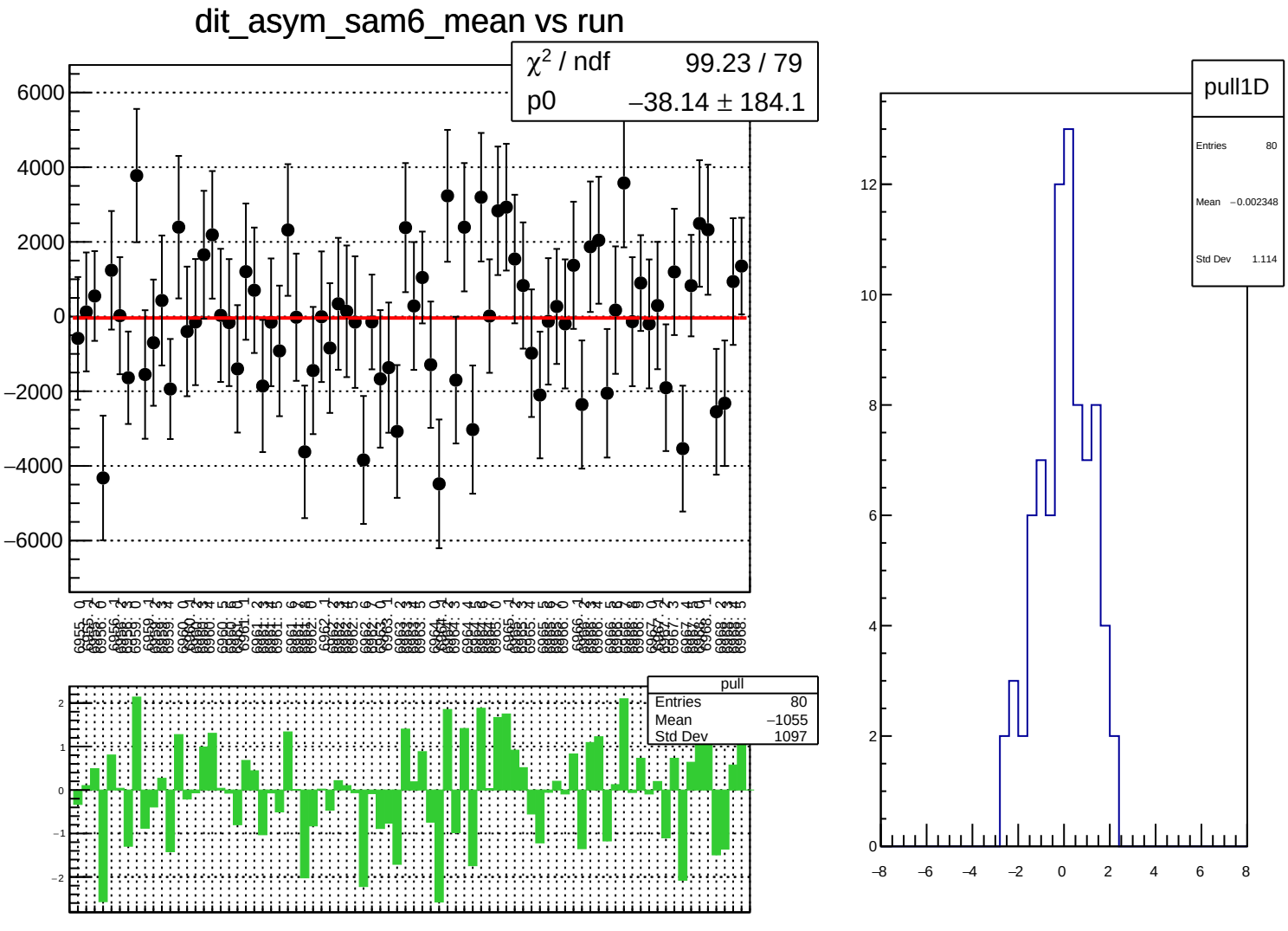

dit_asym_sam5_rms vs run
χ² / ndf 1288 / 79
p0 172.3 ± 0.1379
180
175
170
165
160
155

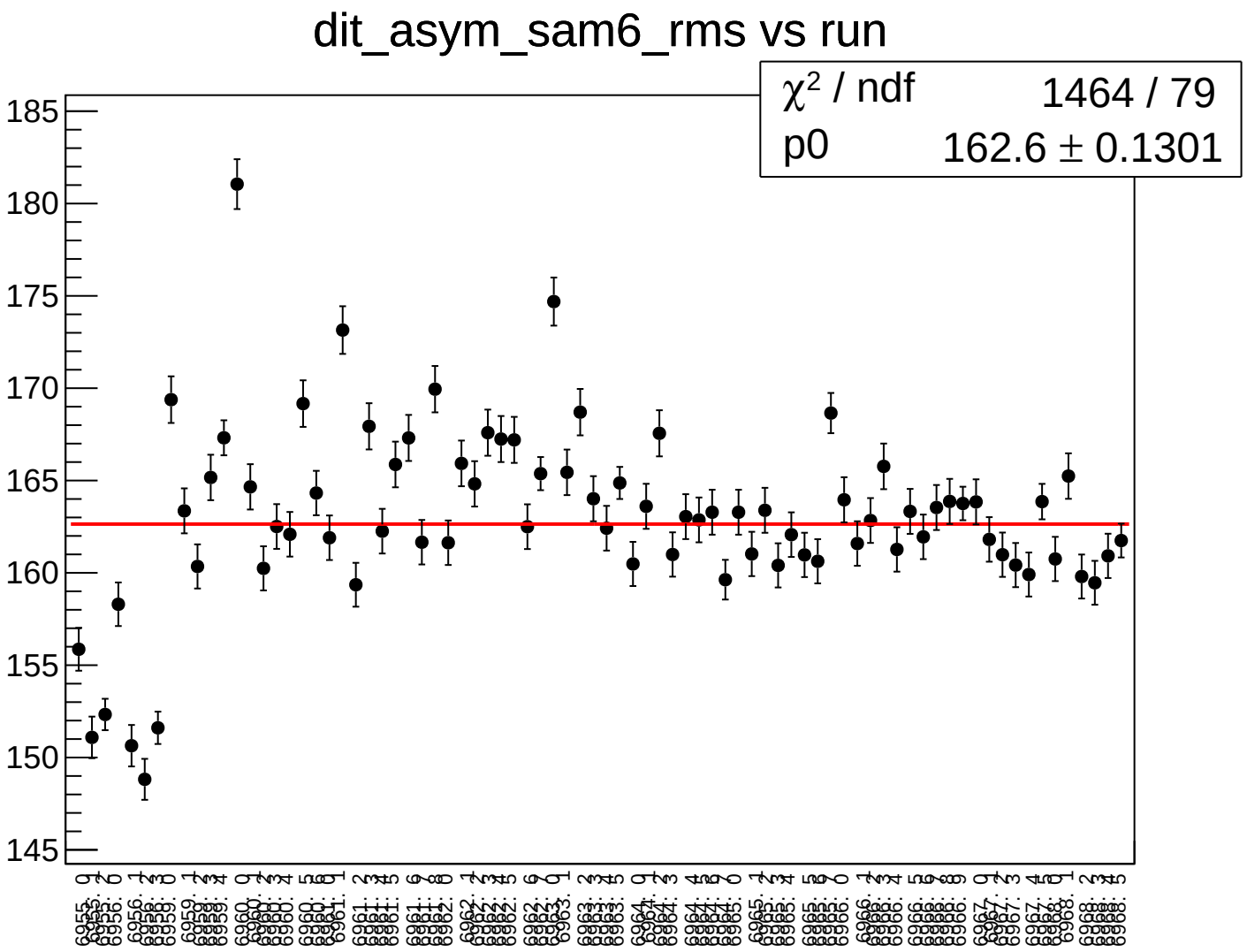

asym_sam5_correction_mean vs run
χ² / ndf 75.76 / 79
p0 −1141 ± 1135
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean 9279
Std Dev 9244
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.0003891
Std Dev 0.9731
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

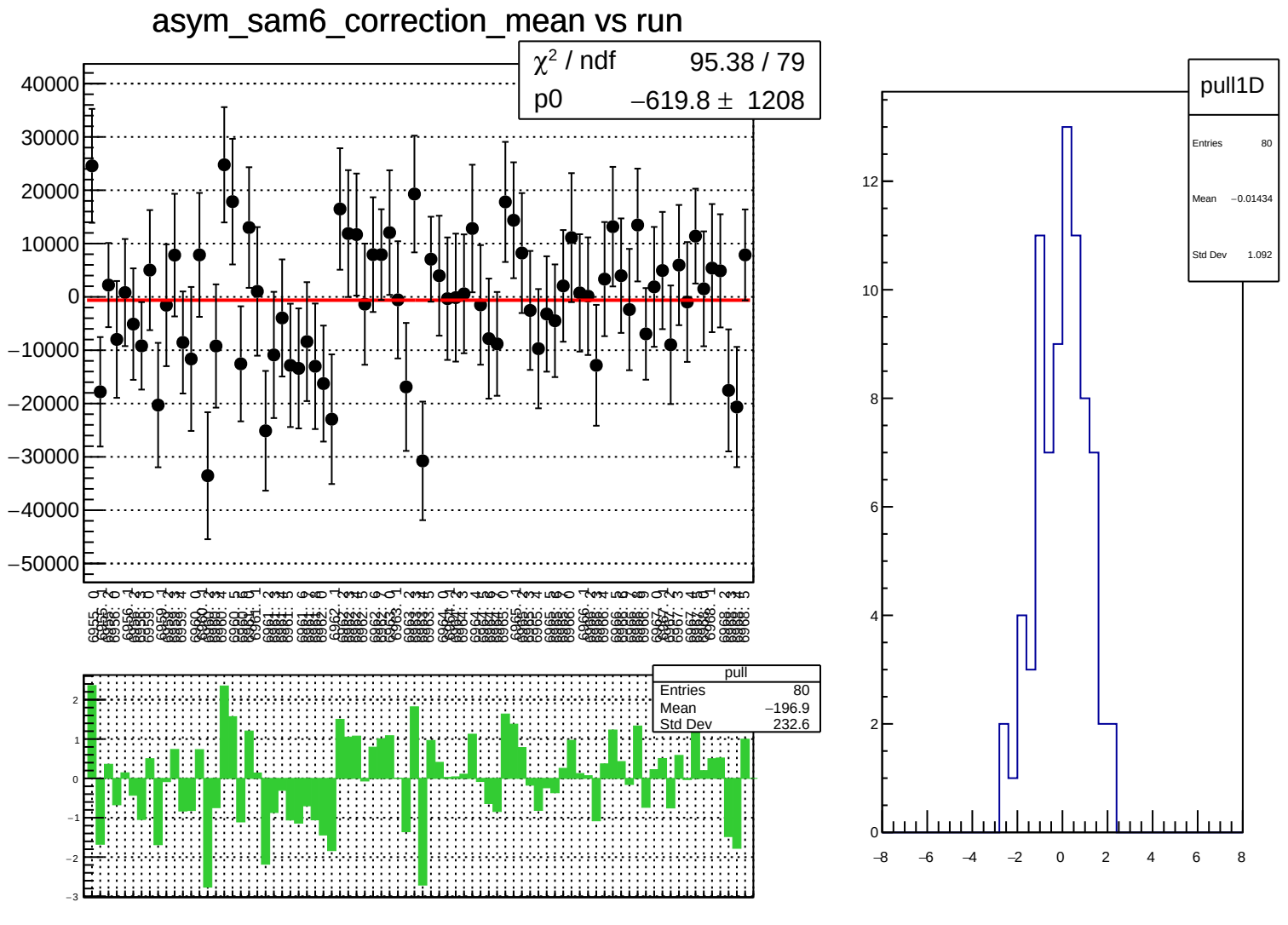

asym_sam5_correction_rms vs run
χ² / ndf 1780 / 79
p0 1003 ± 0.8023
1100
1050
1000
950
900


asym_sam5_mean vs run
χ² / ndf 77.84 / 79
p0 1111 ± 1115
pull
Entries 80
Mean 1493
Std Dev 1459
pull1D
Entries 80
Mean −0.002231
Std Dev 0.9864

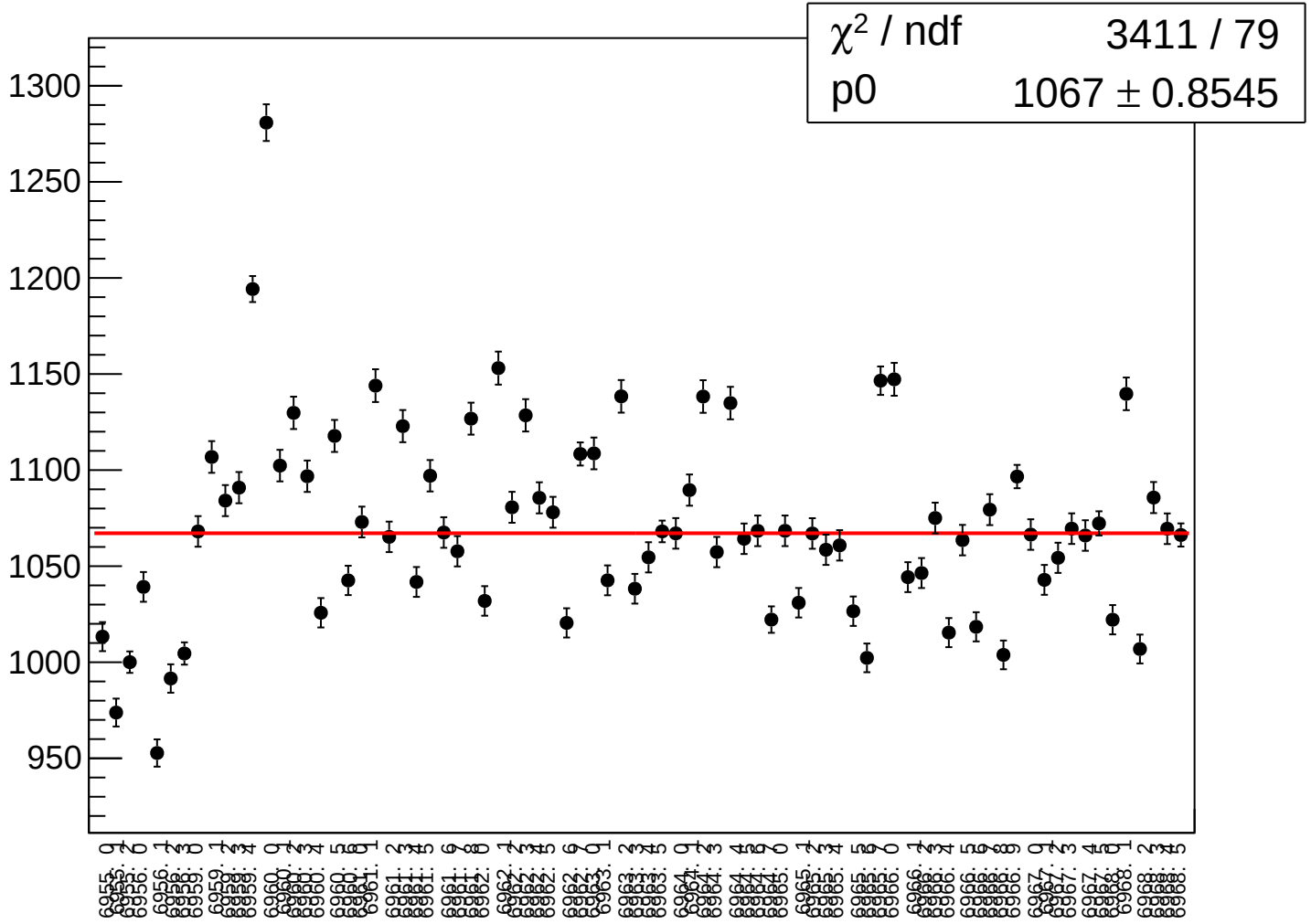

asym_sam5_rms vs run
χ² / ndf 1859 / 79
p0 984.8 ± 0.7881
1080
1060
1040
1020
1000
980
960
940
920
900
880

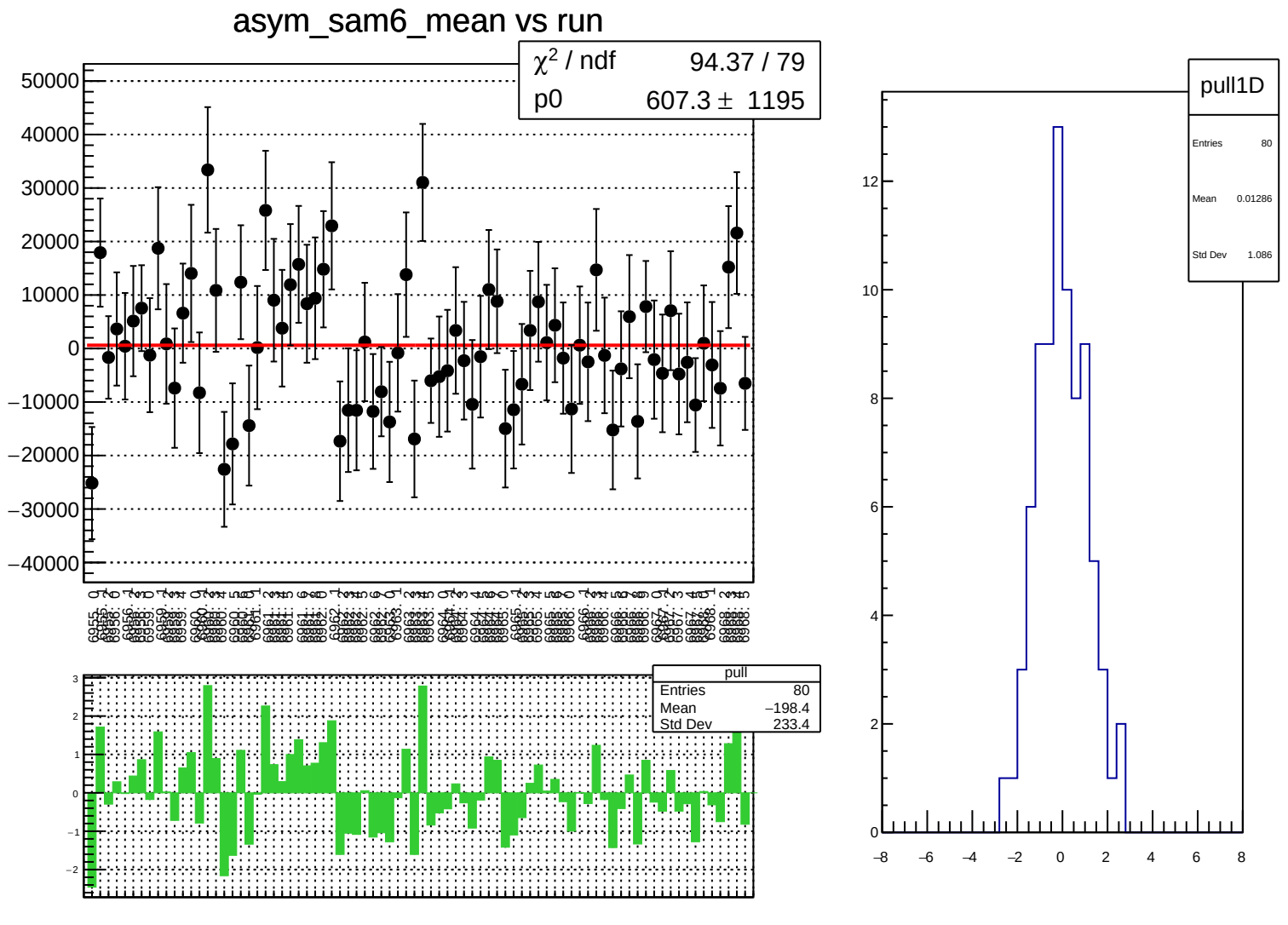

dit_asym_sam6_mean vs run
χ² / ndf 99.23 / 79
p0 −38.14 ± 184.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −1055
Std Dev 1097
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.002348
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

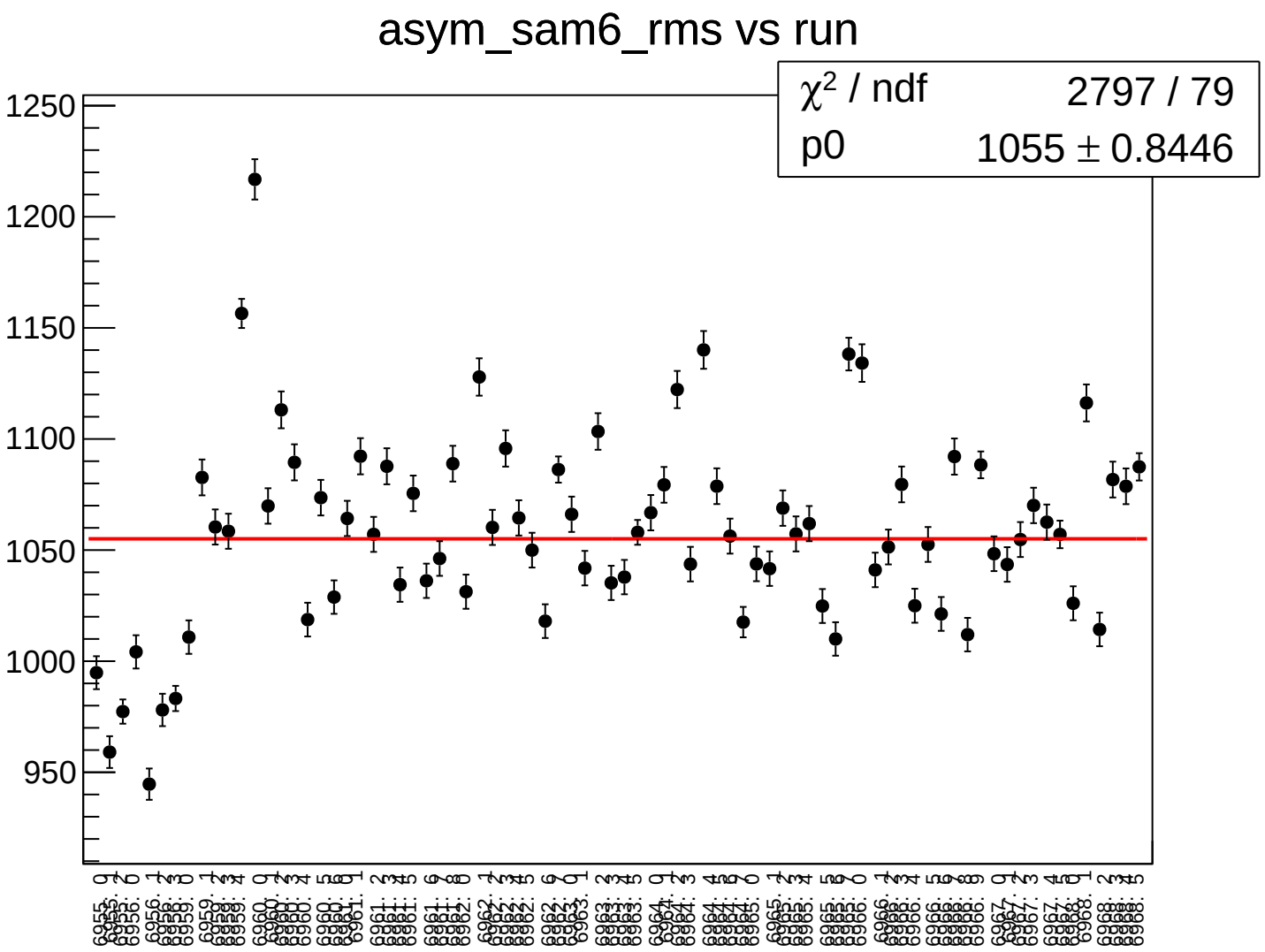

dit_asym_sam6_rms vs run
χ² / ndf 1464 / 79
p0 162.6 ± 0.1301
185
180
175
170
165
160
155
150
145

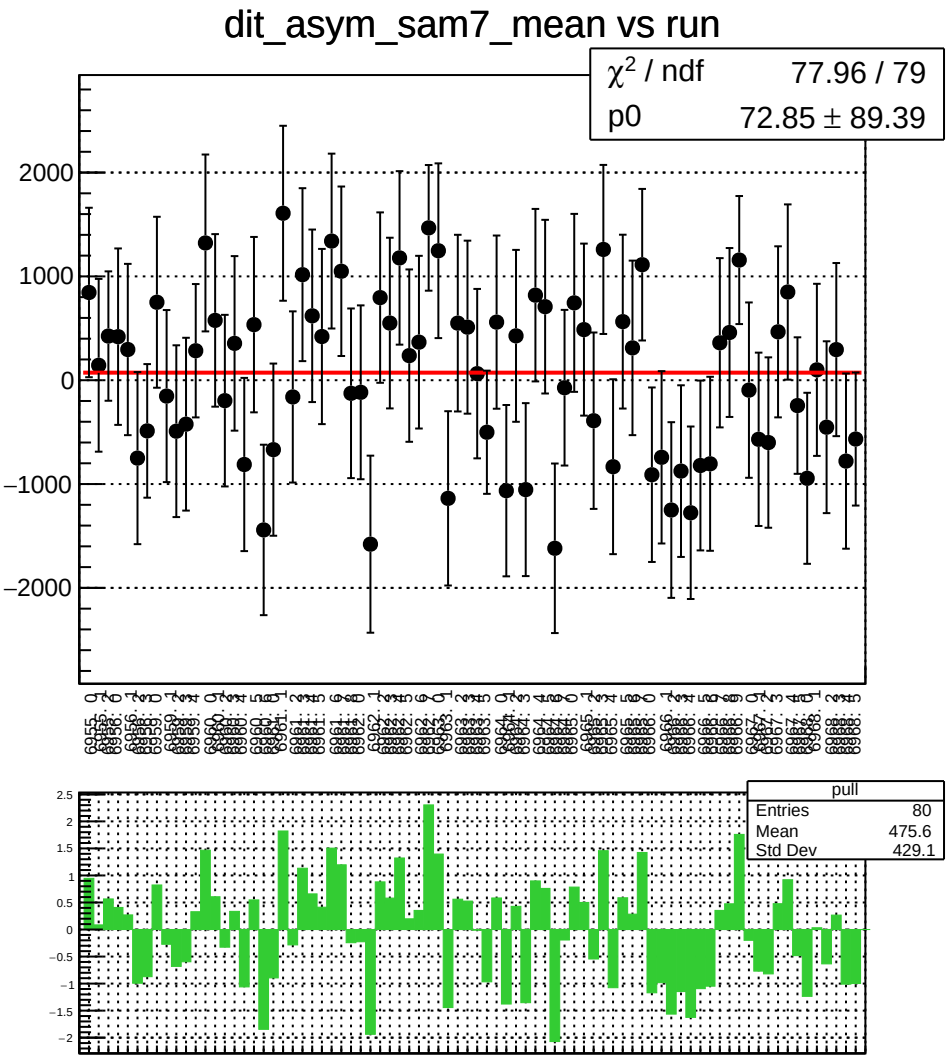

asym_sam6_correction_mean vs run
χ² / ndf 95.38 / 79
p0 −619.8 ± 1208
pull
Entries 80
Mean −196.9
Std Dev 232.6
pull1D
Entries 80
Mean −0.01434
Std Dev 1.092

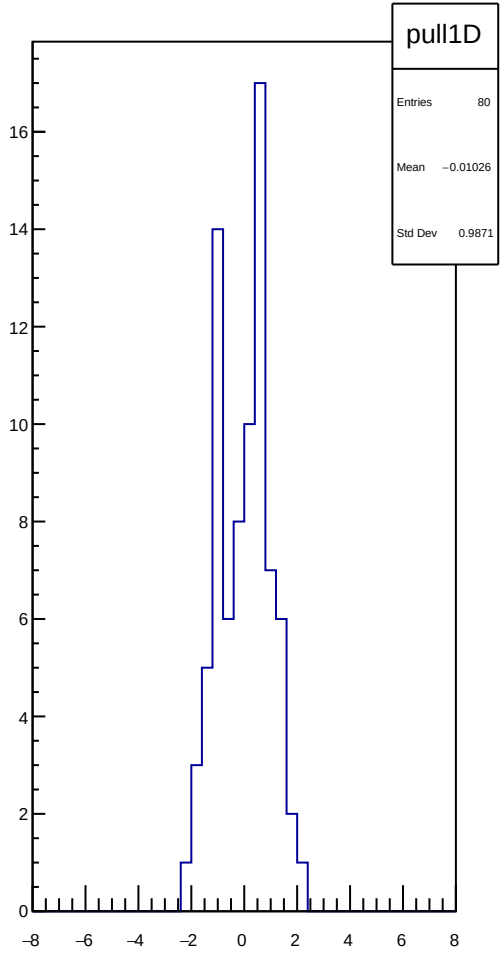
asym_sam6_correction_rms vs run



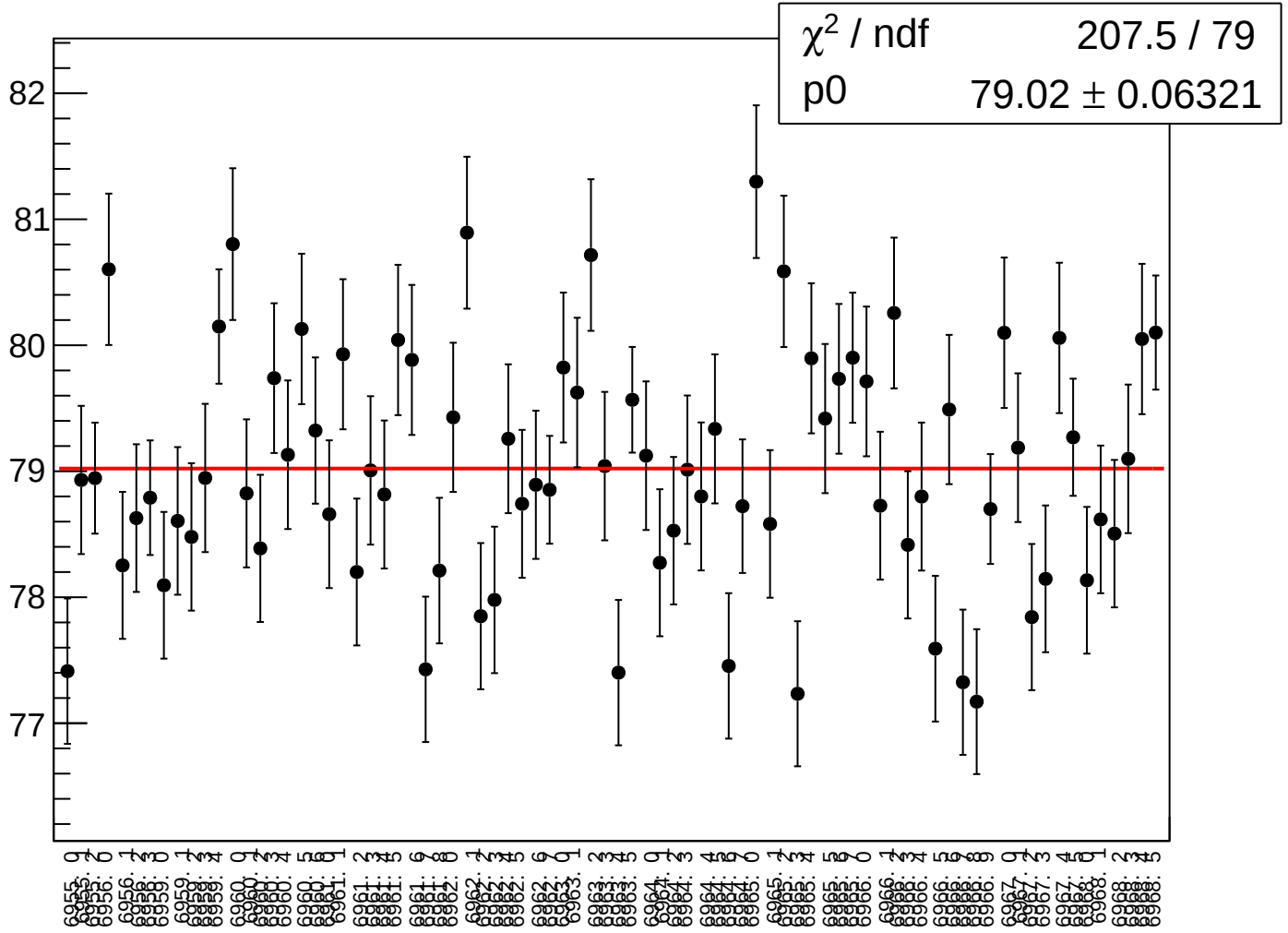

asym_sam6_mean vs run
χ² / ndf 94.37 / 79
p0 607.3 ± 1195
pull
Entries 80
Mean −198.4
Std Dev 233.4
pull1D
Entries 80
Mean 0.01286
Std Dev 1.086

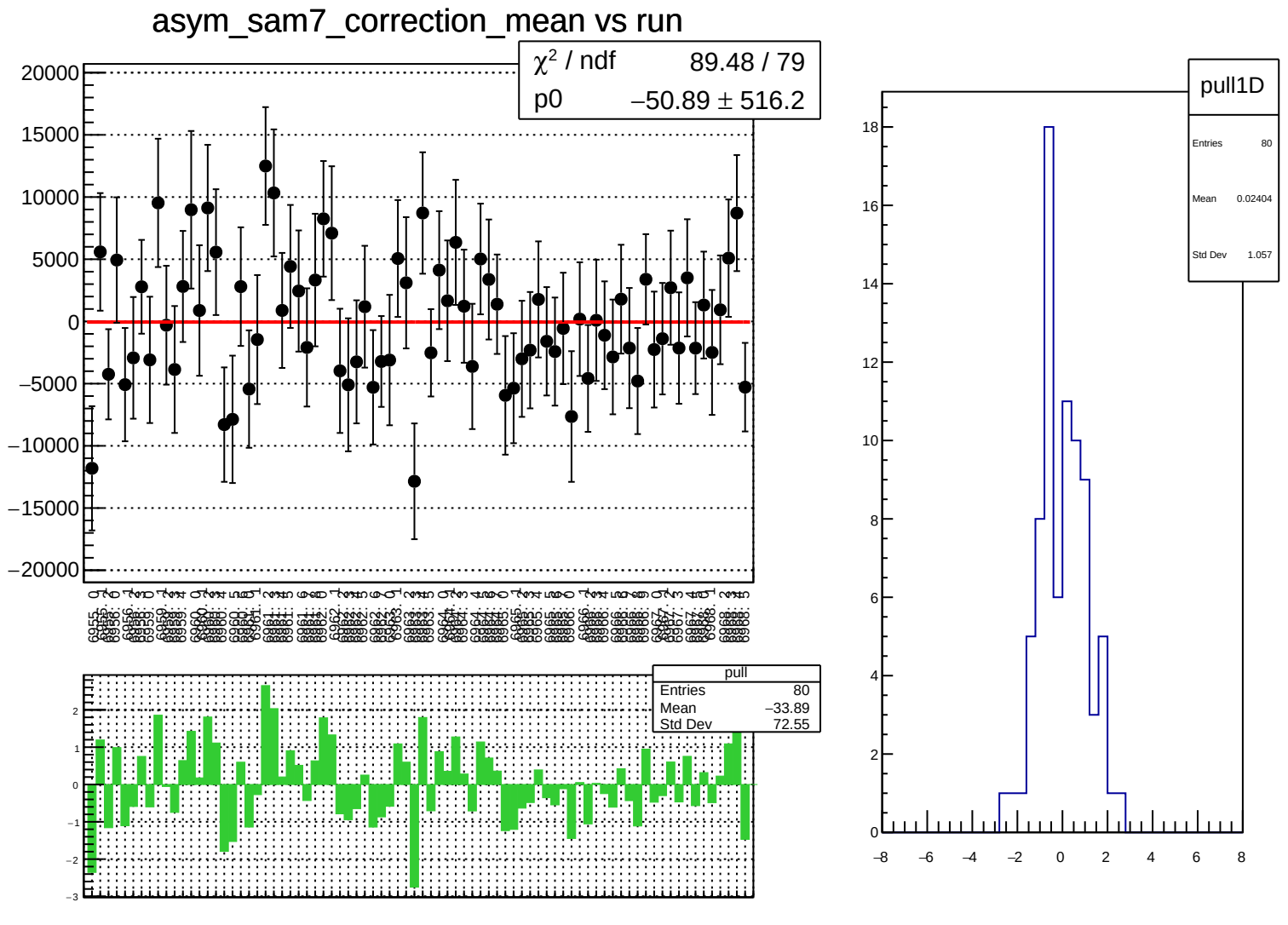

asym_sam6_rms vs run
χ² / ndf 2797 / 79
p0 1055 ± 0.8446
1250
1200
1150
1100
1050
1000
950

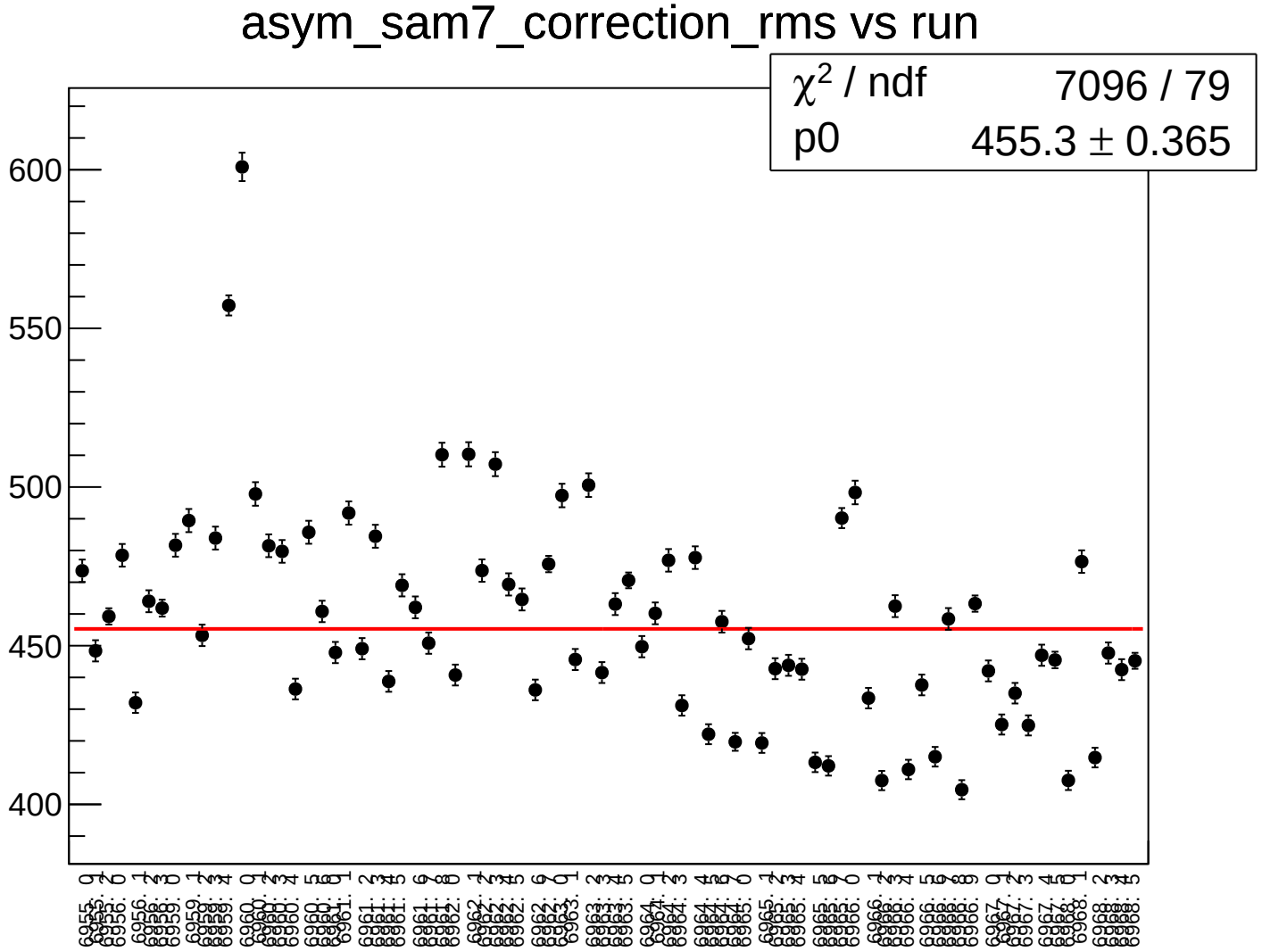

dit_asym_sam7_mean vs run
χ² / ndf 77.96 / 79
p0 72.85 ± 89.39
pull
Entries 80
Mean 475.6
Std Dev 429.1

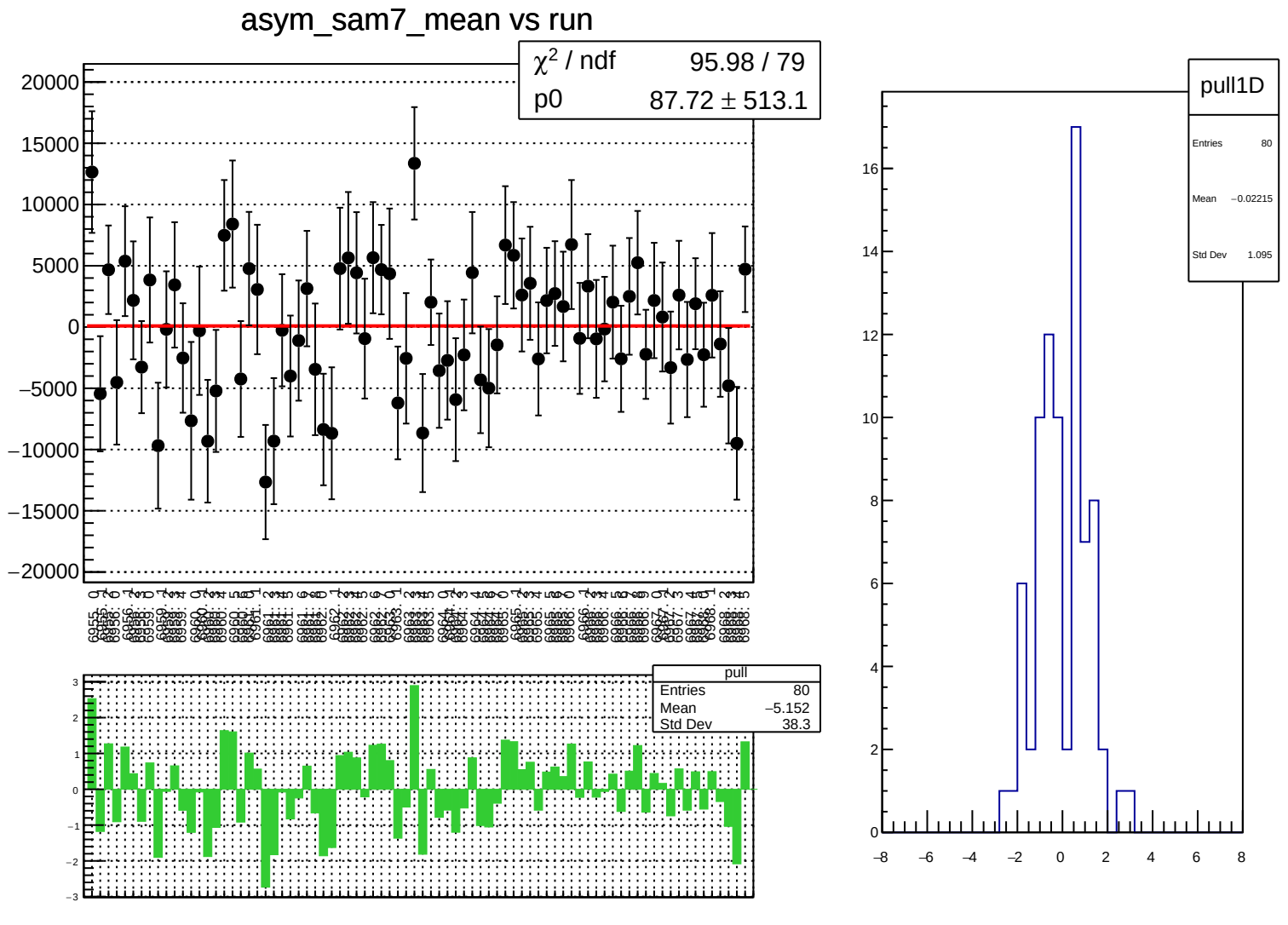

pull1D
Entries 80
Mean −0.01026
Std Dev 0.9871

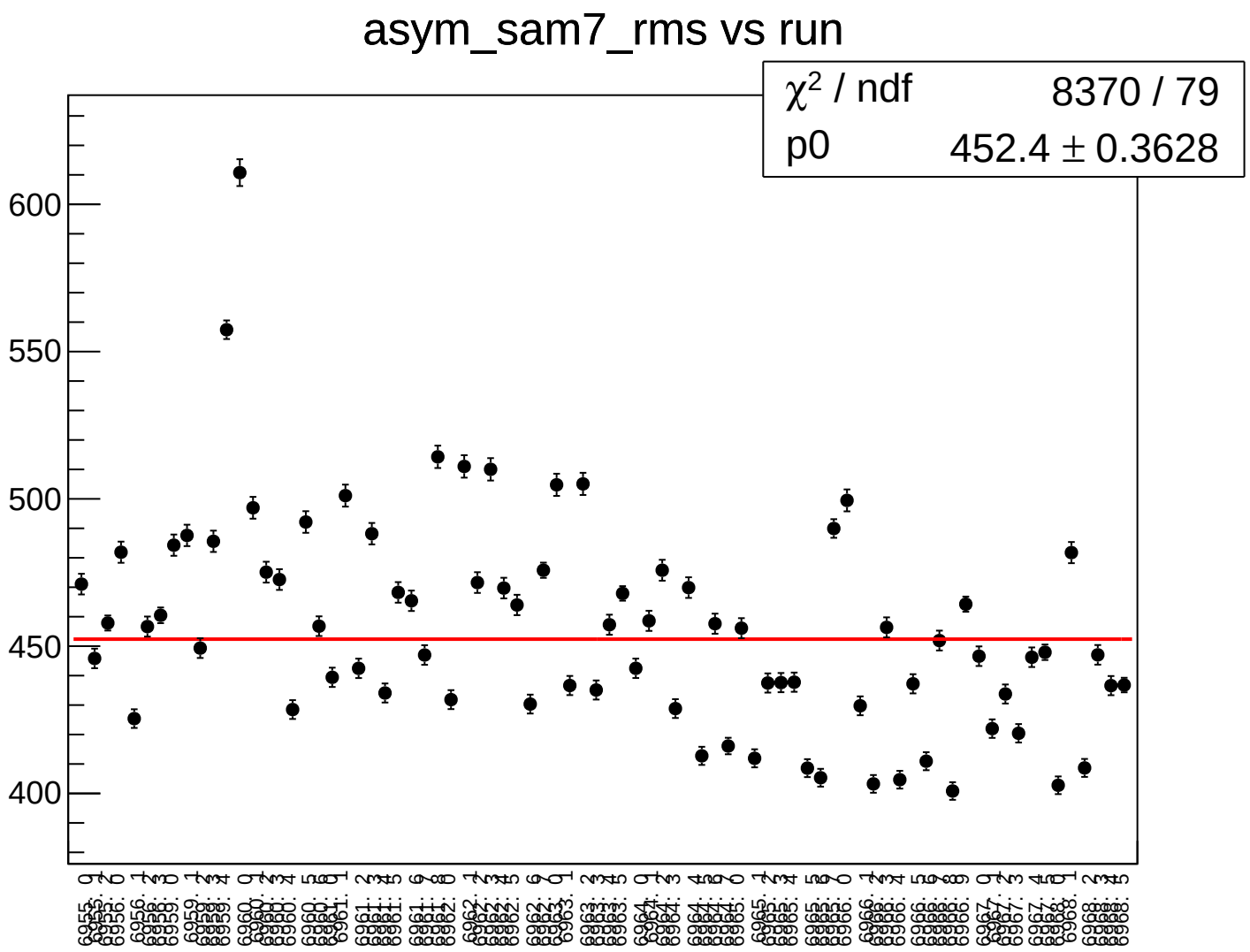
dit_asym_sam7_rms vs run

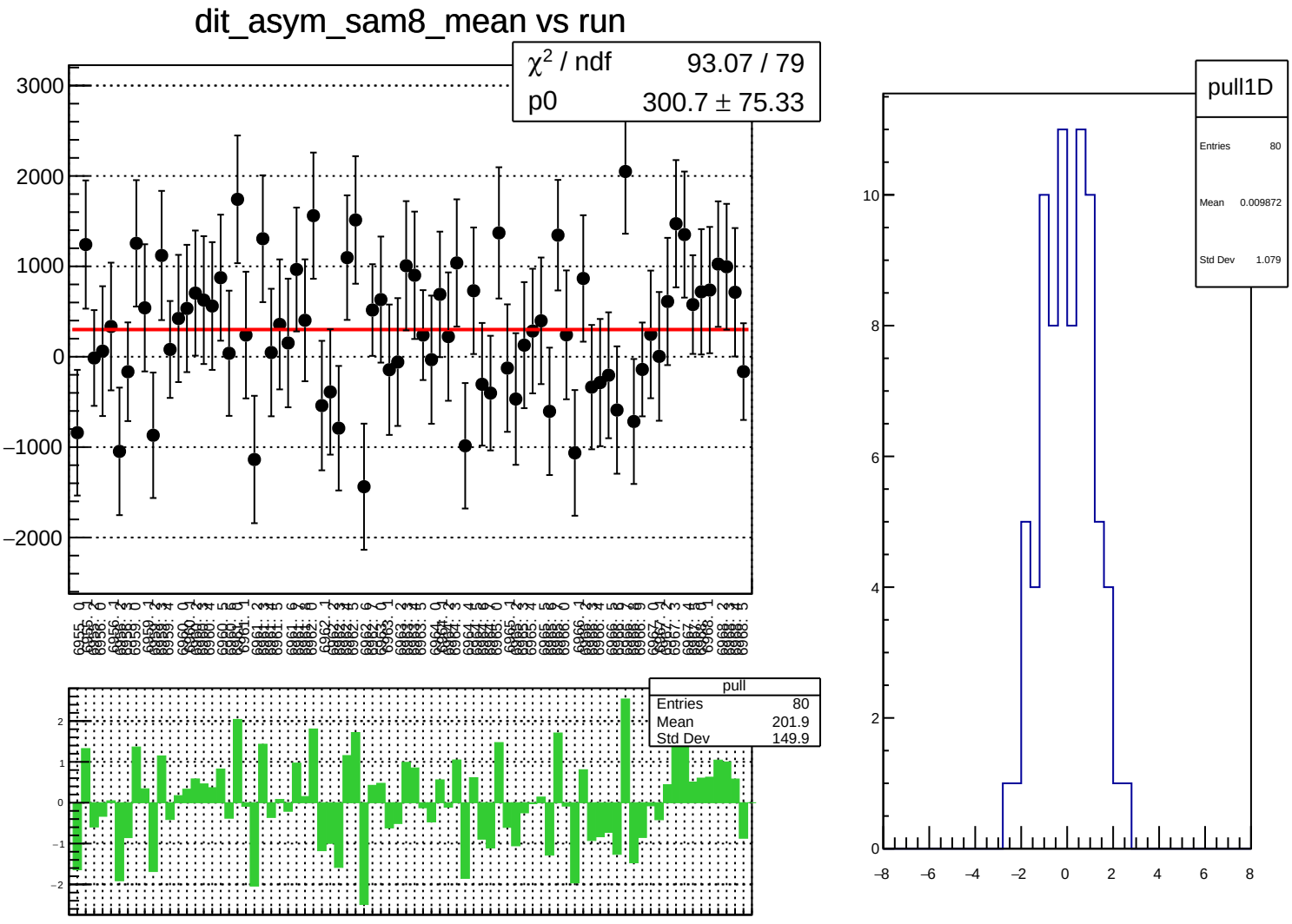



asym_sam7_correction_mean vs run
χ² / ndf 89.48 / 79
p0 −50.89 ± 516.2
pull
Entries 80
Mean −33.89
Std Dev 72.55
pull1D
Entries 80
Mean 0.02404
Std Dev 1.057

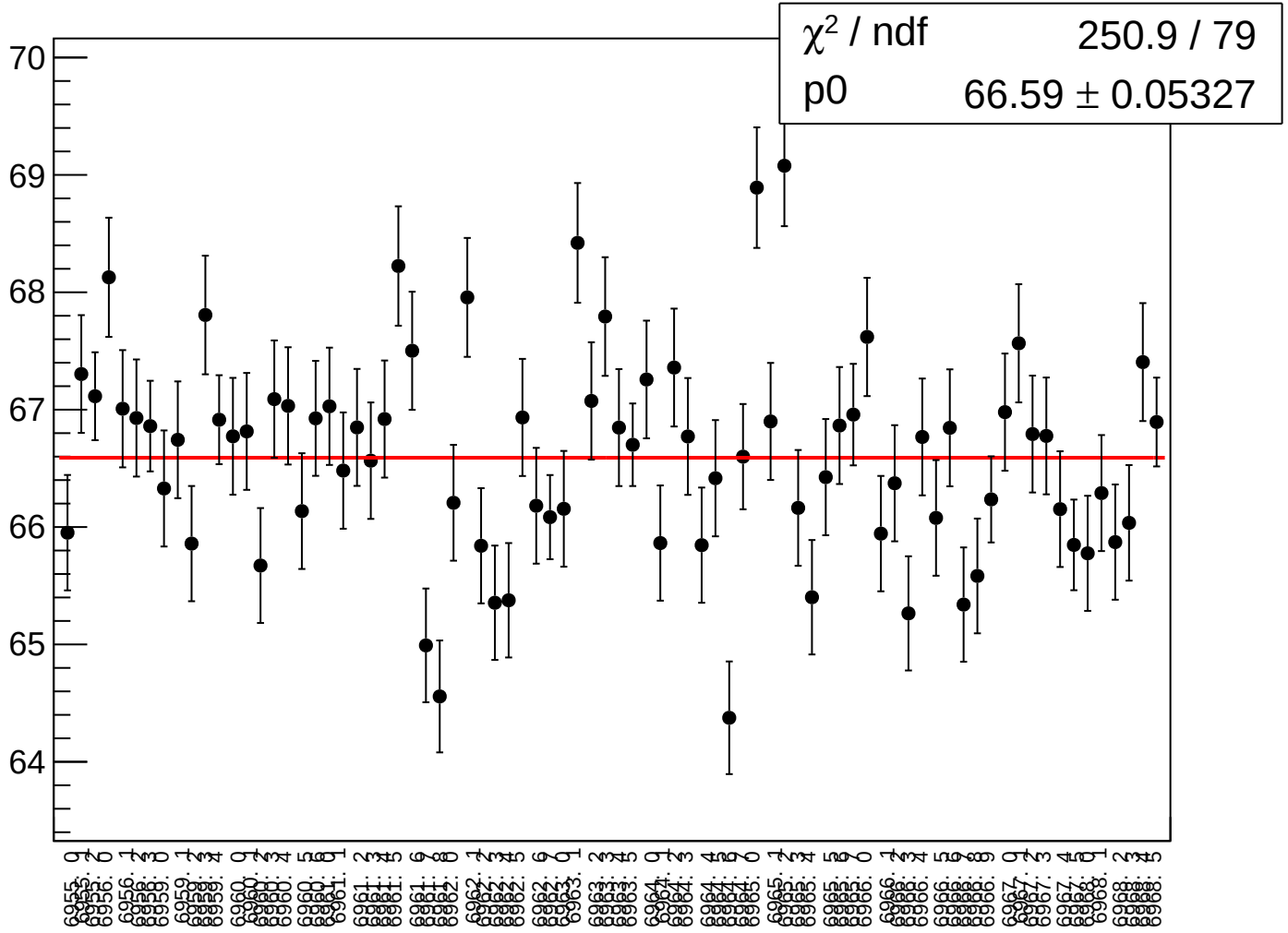

asym_sam7_correction_rms vs run
χ^2 / ndf 7096 / 79
p0 455.3 ± 0.365
600
550
500
450
400

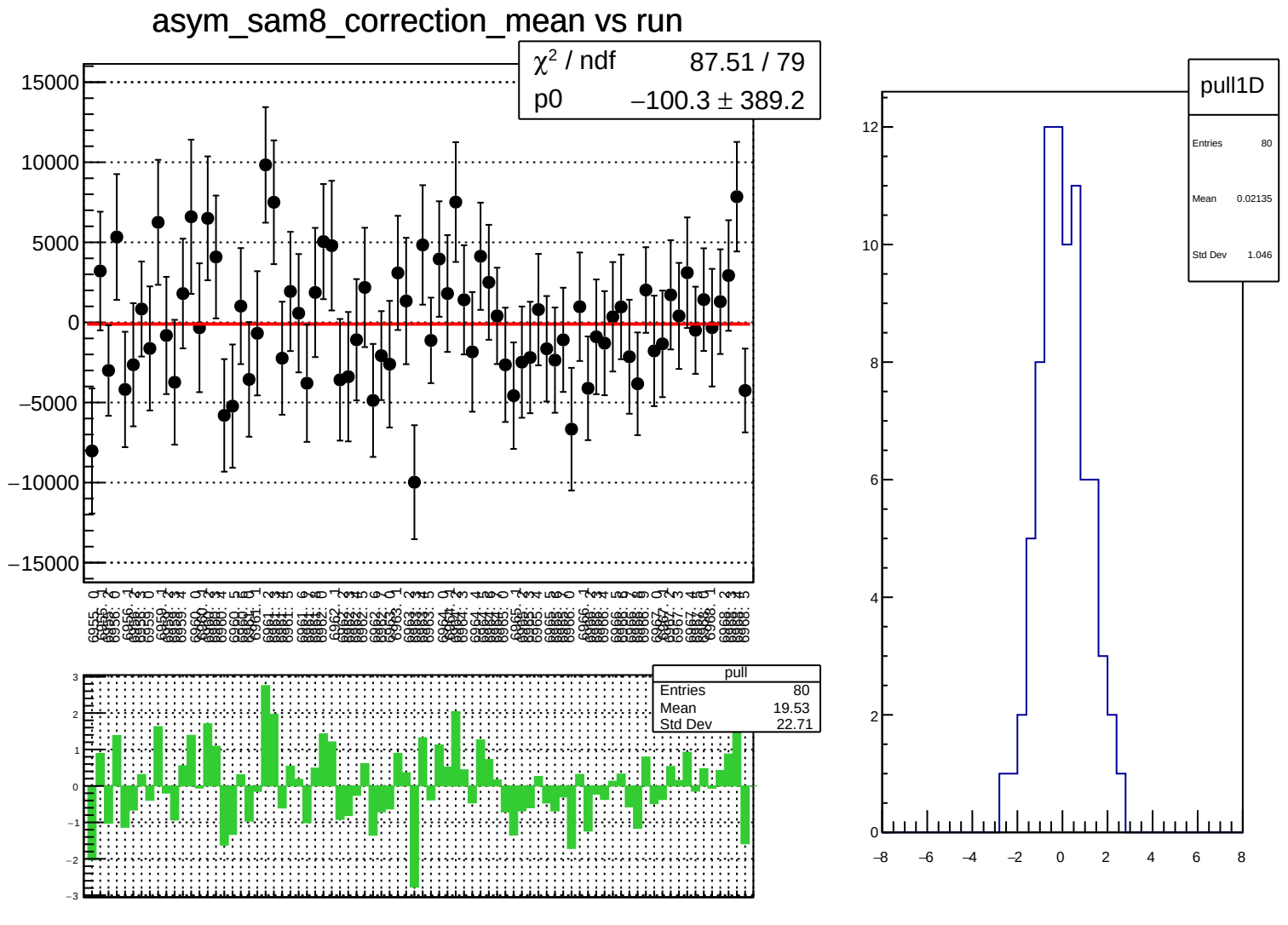

asym_sam7_mean vs run
χ² / ndf 95.98 / 79
p0 87.72 ± 513.1
pull
Entries 80
Mean −5.152
Std Dev 38.3
pull1D
Entries 80
Mean −0.02215
Std Dev 1.095


asym_sam7_rms vs run
χ² / ndf 8370 / 79
p0 452.4 ± 0.3628
600
550
500
450
400

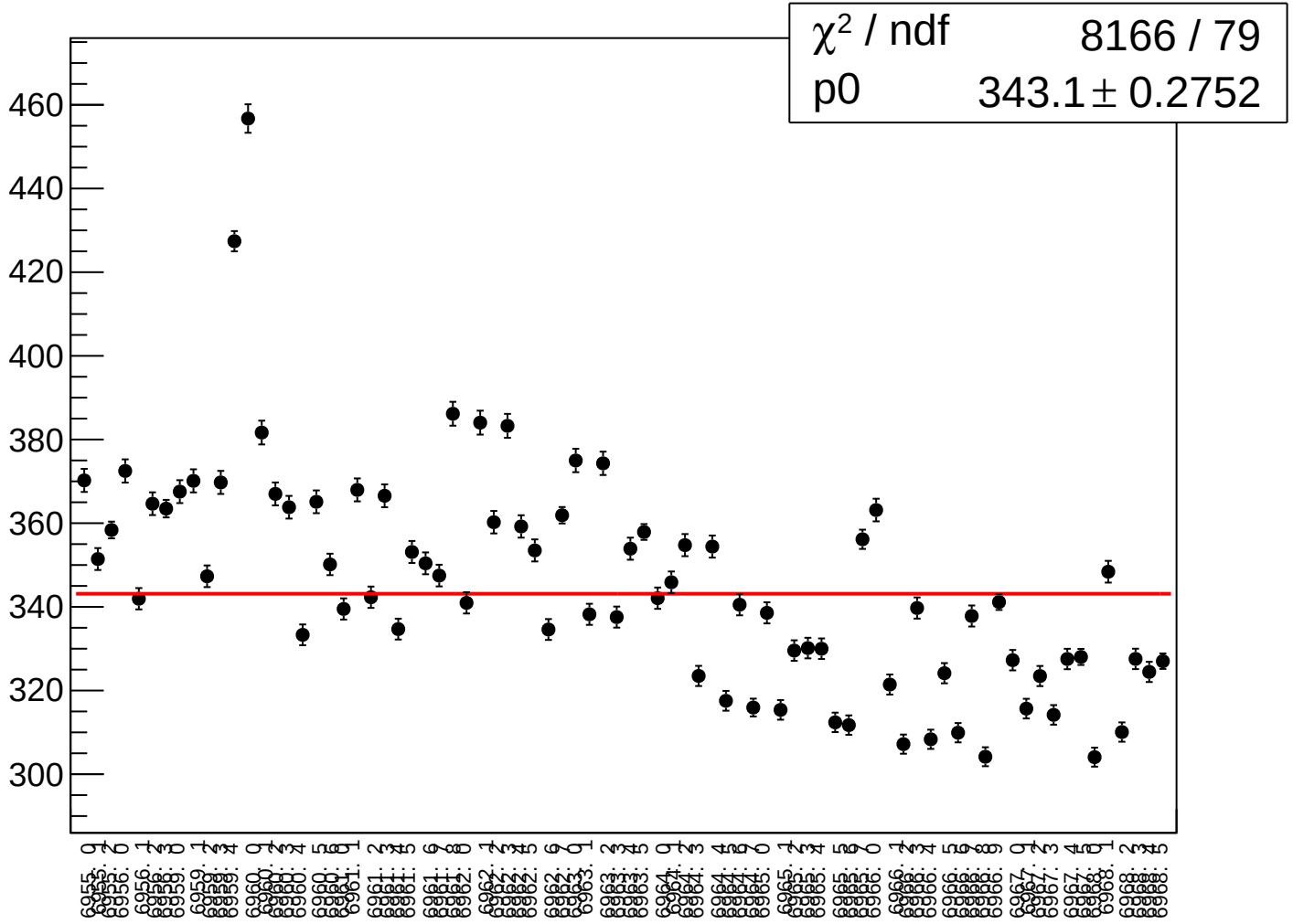

dit_asym_sam8_mean vs run
χ² / ndf 93.07 / 79
p0 300.7 ± 75.33
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 201.9
Std Dev 149.9
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.009872
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

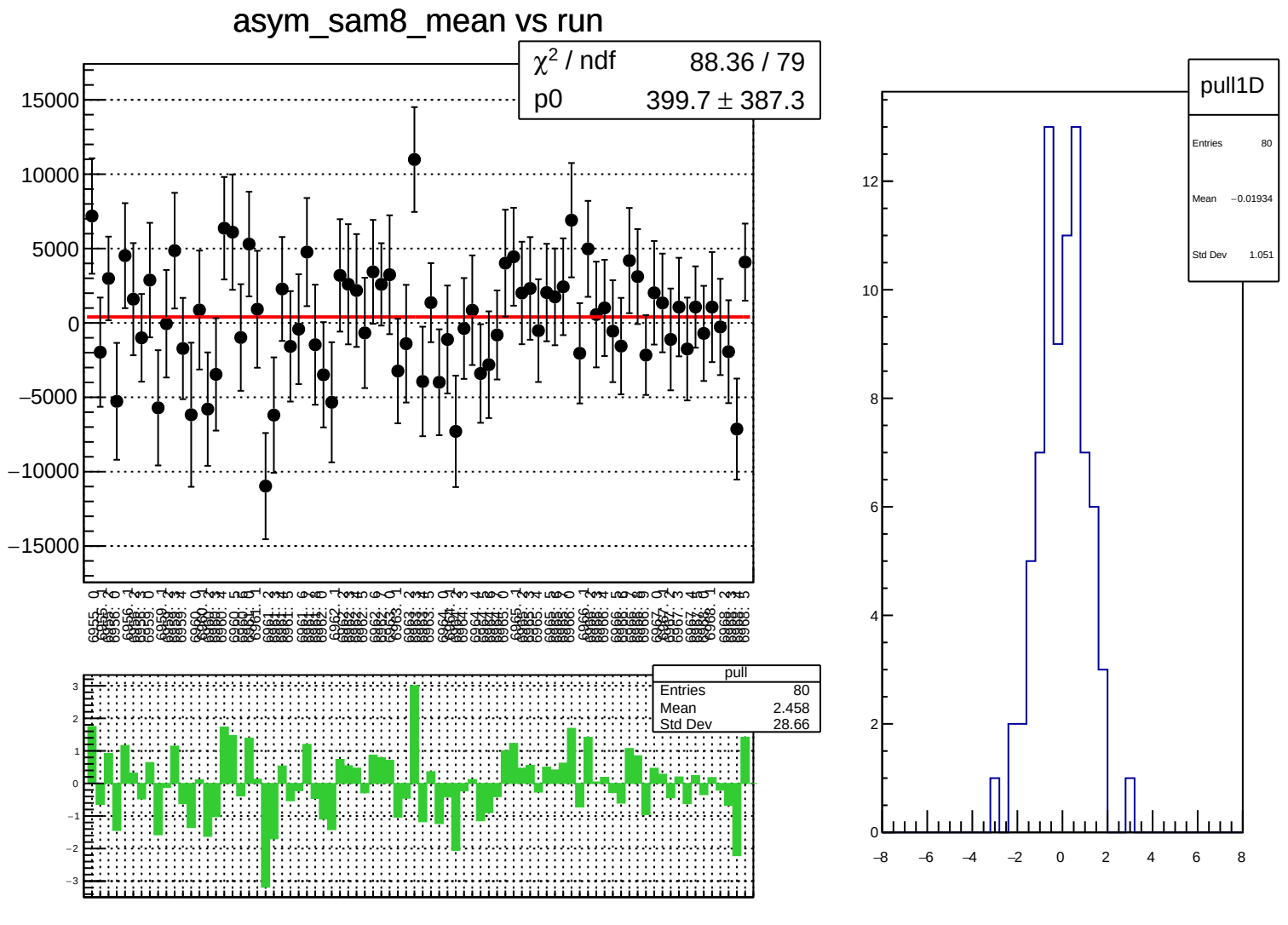
dit_asym_sam8_rms vs run

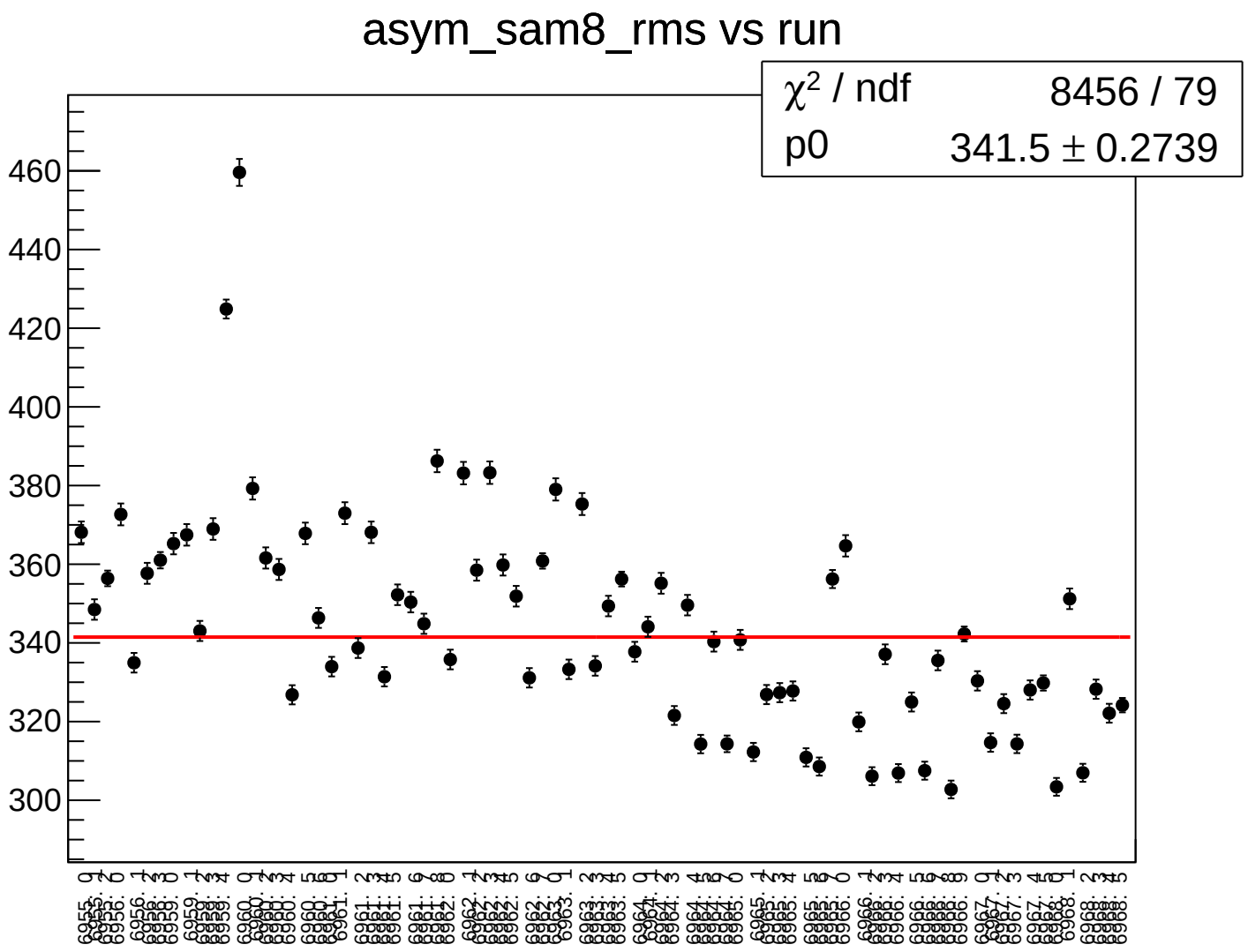


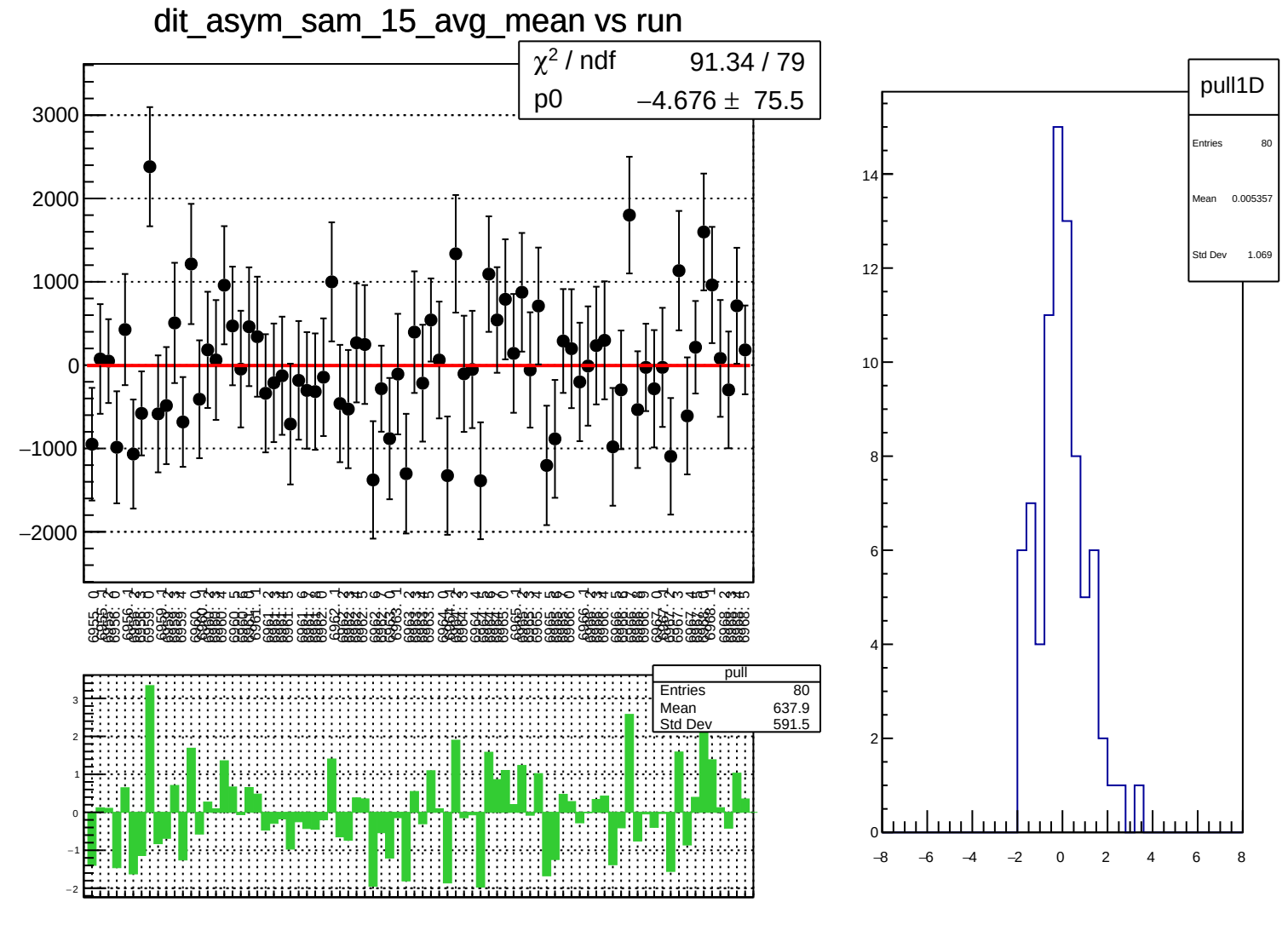

asym_sam8_correction_mean vs run
χ² / ndf 87.51 / 79
p0 −100.3 ± 389.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 19.53
Std Dev 22.71
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.02135
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_correction_rms vs run

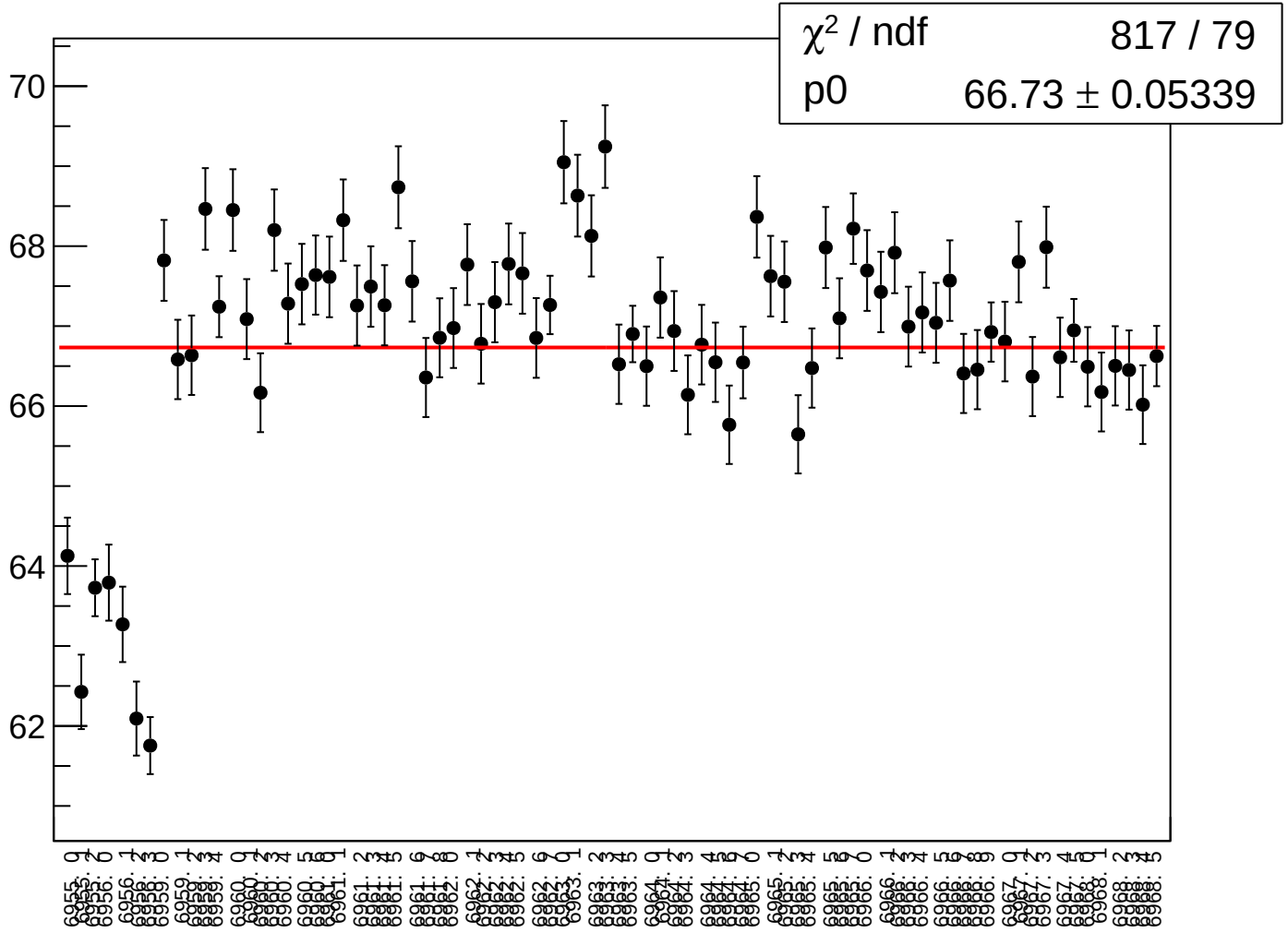


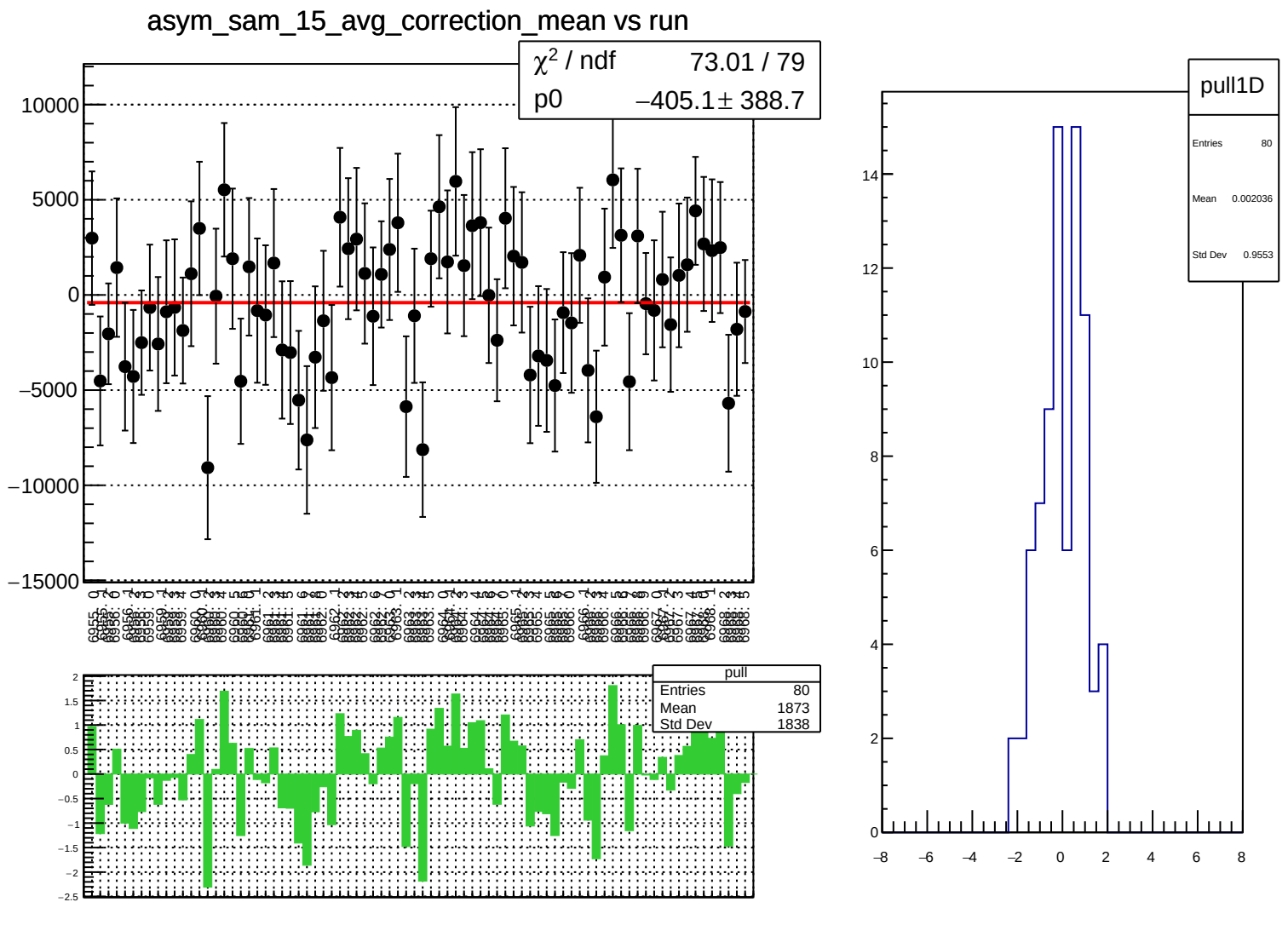

asym_sam8_mean vs run
χ² / ndf 88.36 / 79
p0 399.7 ± 387.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 2.458
Std Dev 28.66
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.01934
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_rms vs run
χ^2 / ndf 8456 / 79
p0 341.5 ± 0.2739
460
440
420
400
380
360
340
320
300

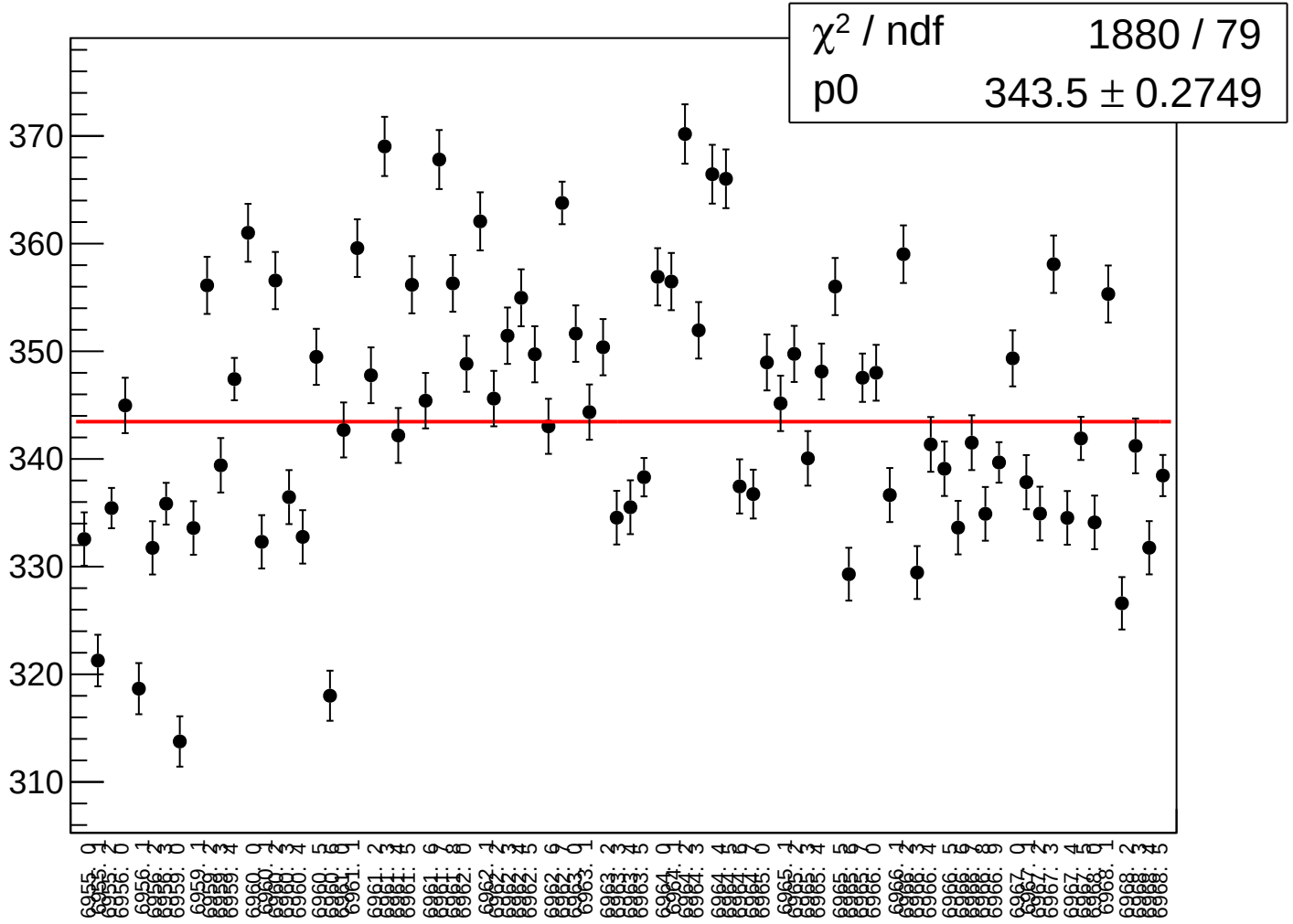

dit_asym_sam_15_avg_mean vs run
χ² / ndf 91.34 / 79
p0 −4.676 ± 75.5
pull
Entries 80
Mean 637.9
Std Dev 591.5
pull1D
Entries 80
Mean 0.005357
Std Dev 1.069

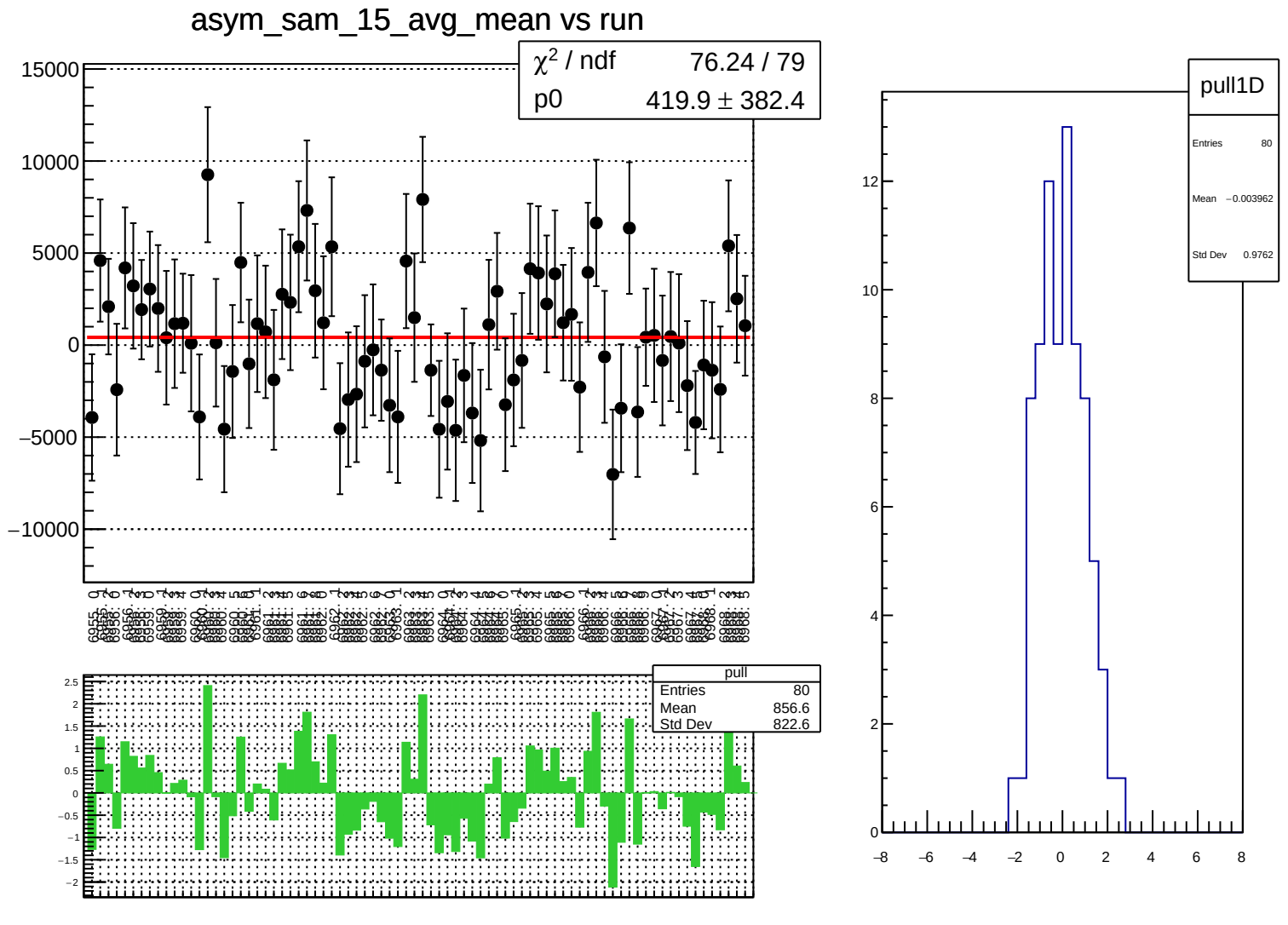
dit_asym_sam_15_avg_rms vs run

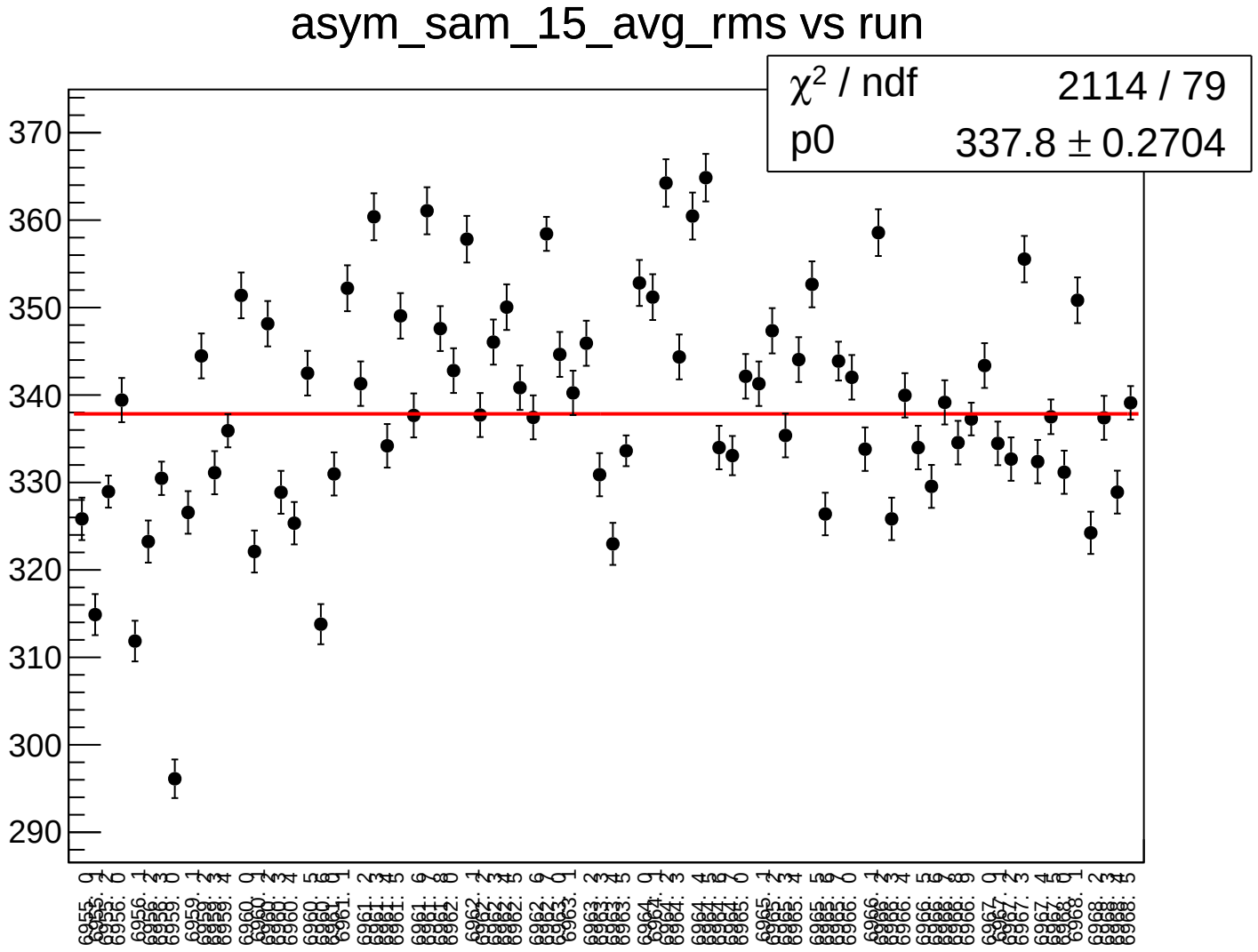


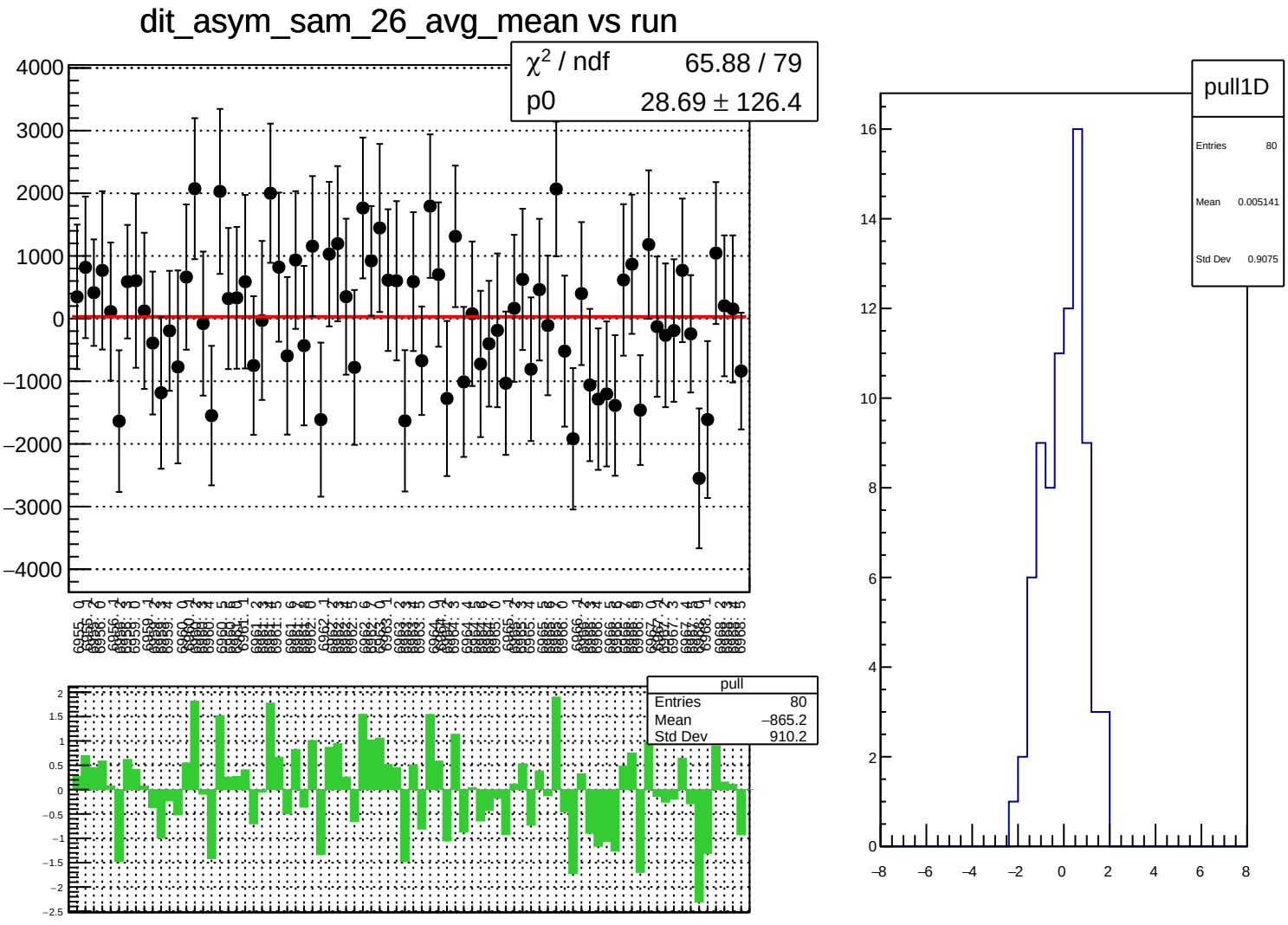

asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 73.01 / 79
p0 −405.1 ± 388.7
pull
Entries 80
Mean 1873
Std Dev 1838
pull1D
Entries 80
Mean 0.002036
Std Dev 0.9553

asym_sam_15_avg_correction_rms vs run

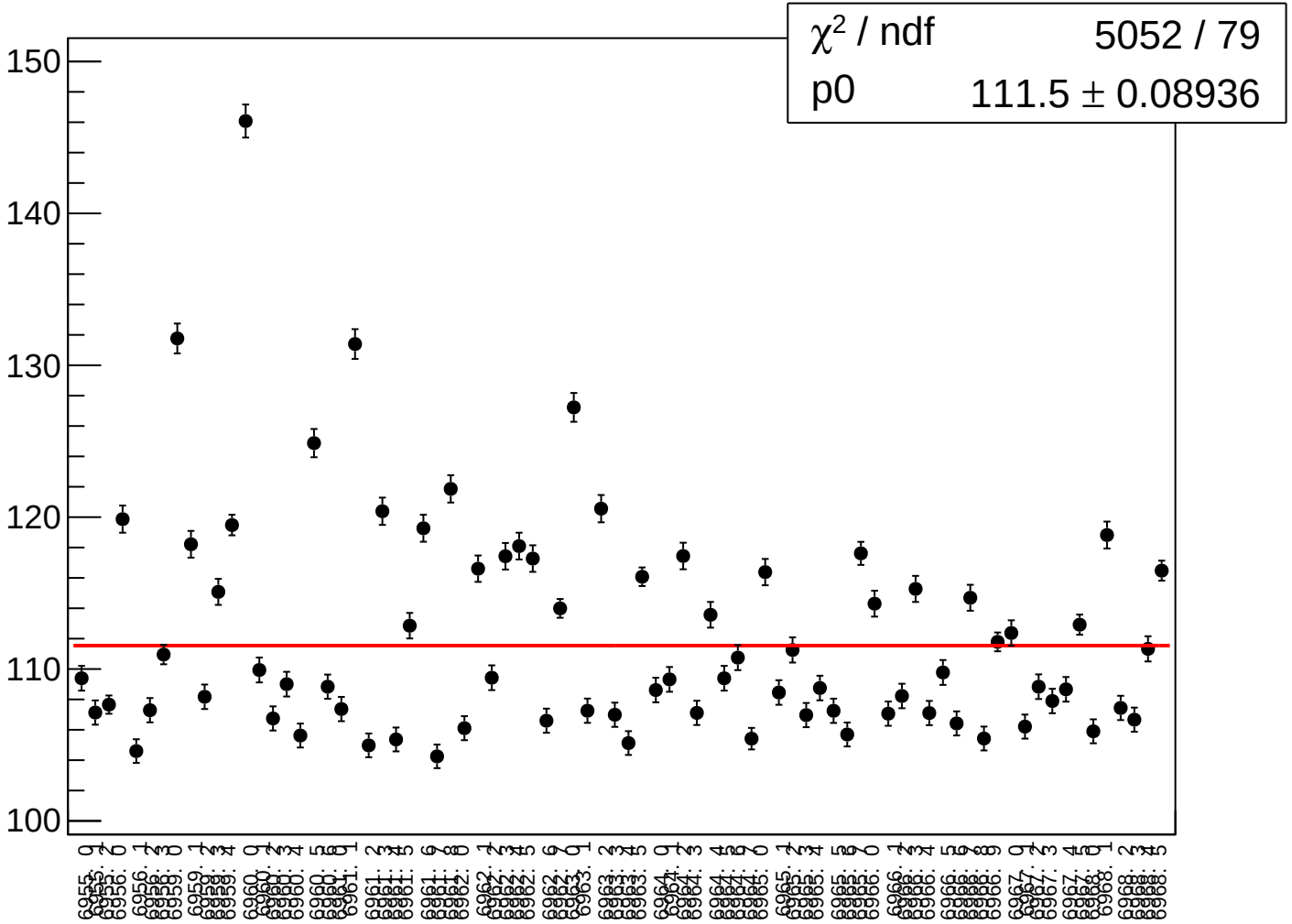


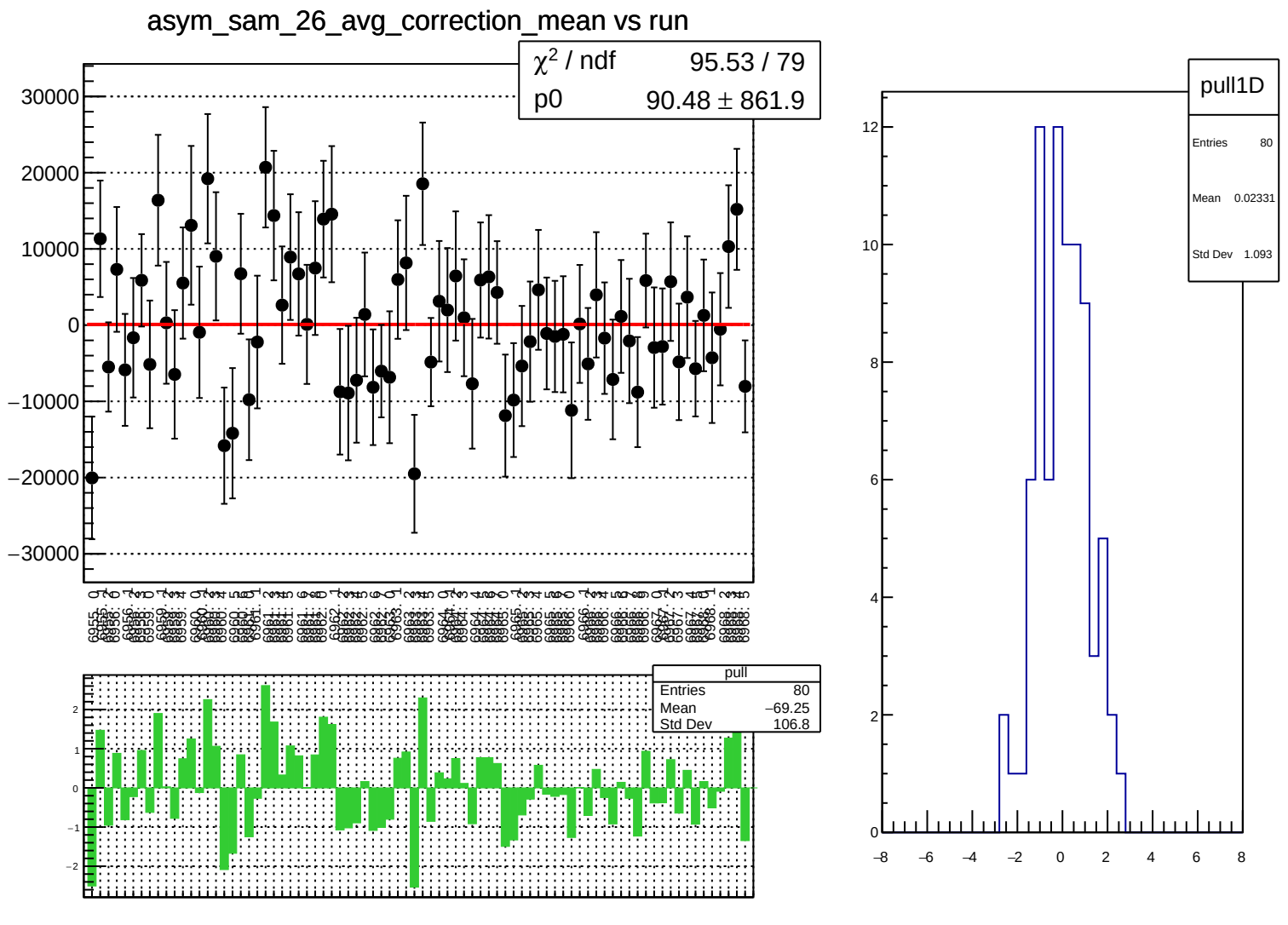

asym_sam_15_avg_mean vs run
χ² / ndf 76.24 / 79
p0 419.9 ± 382.4
pull
Entries 80
Mean 856.6
Std Dev 822.6
pull1D
Entries 80
Mean −0.003962
Std Dev 0.9762

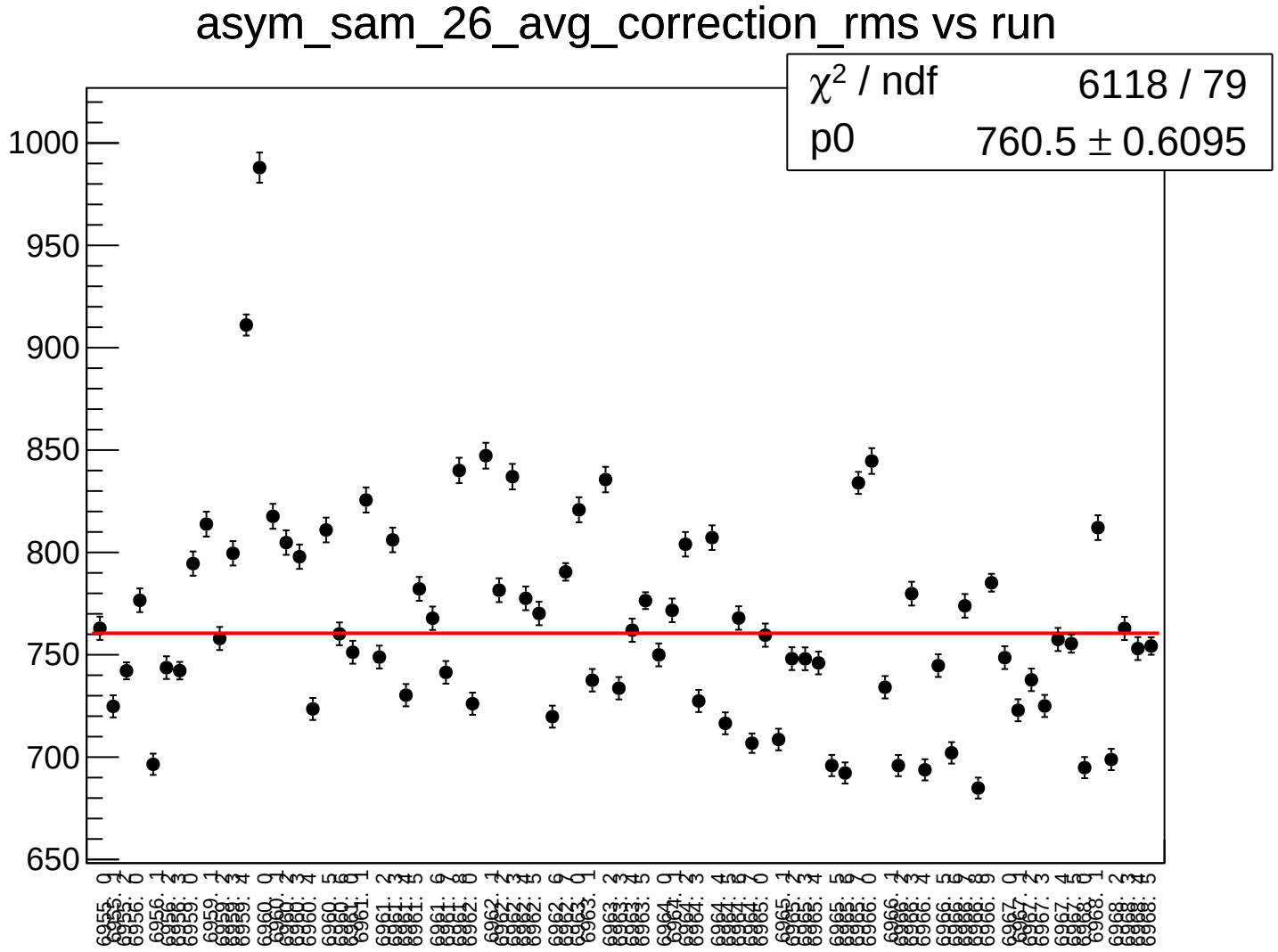

asym_sam_15_avg_rms vs run
χ^2 / ndf 2114 / 79
p0 337.8 ± 0.2704
370
360
350
340
330
320
310
300
290

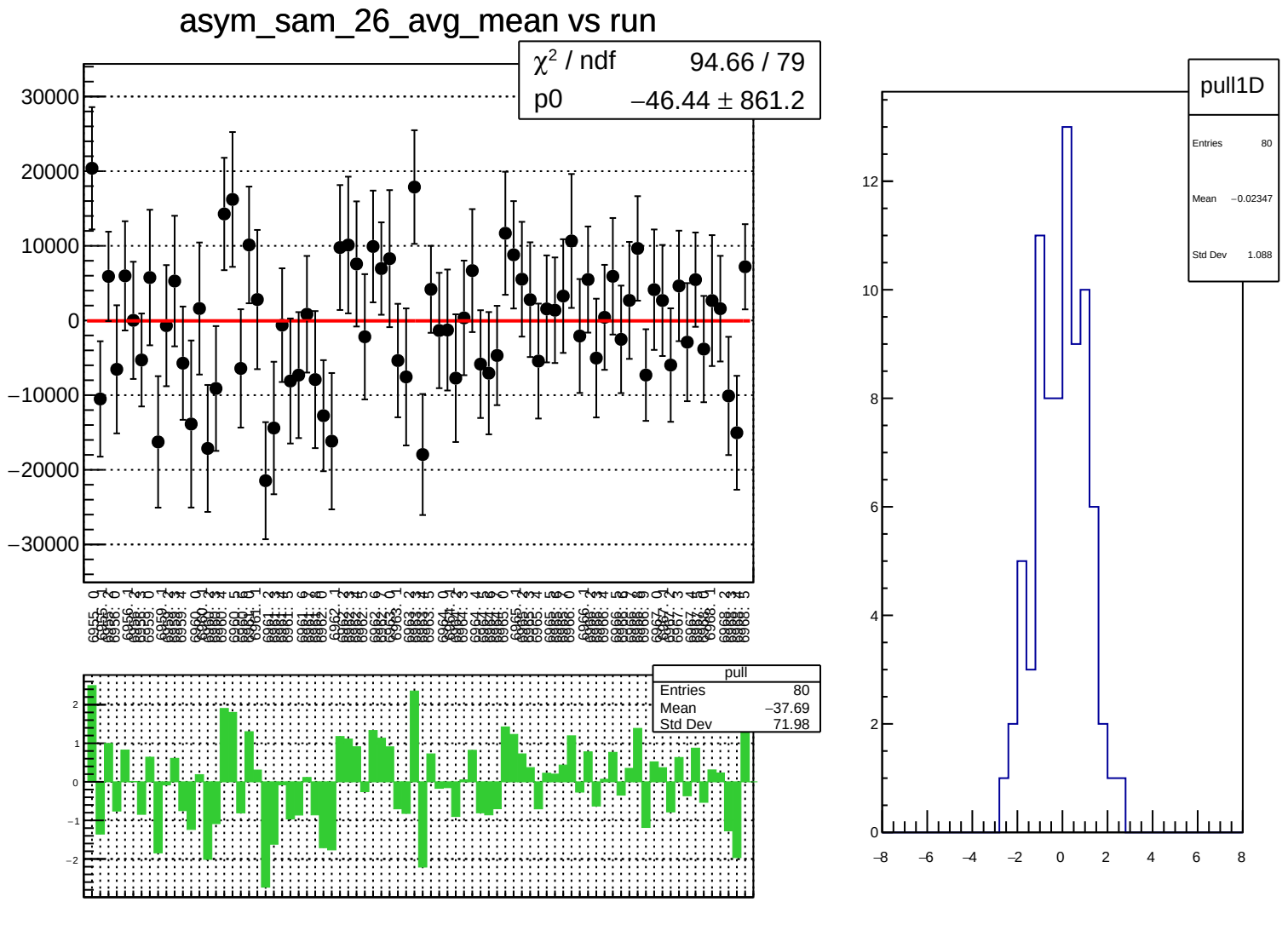

dit_asym_sam_26_avg_mean vs run
χ² / ndf 65.88 / 79
p0 28.69 ± 126.4
pull
Entries 80
Mean −865.2
Std Dev 910.2
pull1D
Entries 80
Mean 0.005141
Std Dev 0.9075

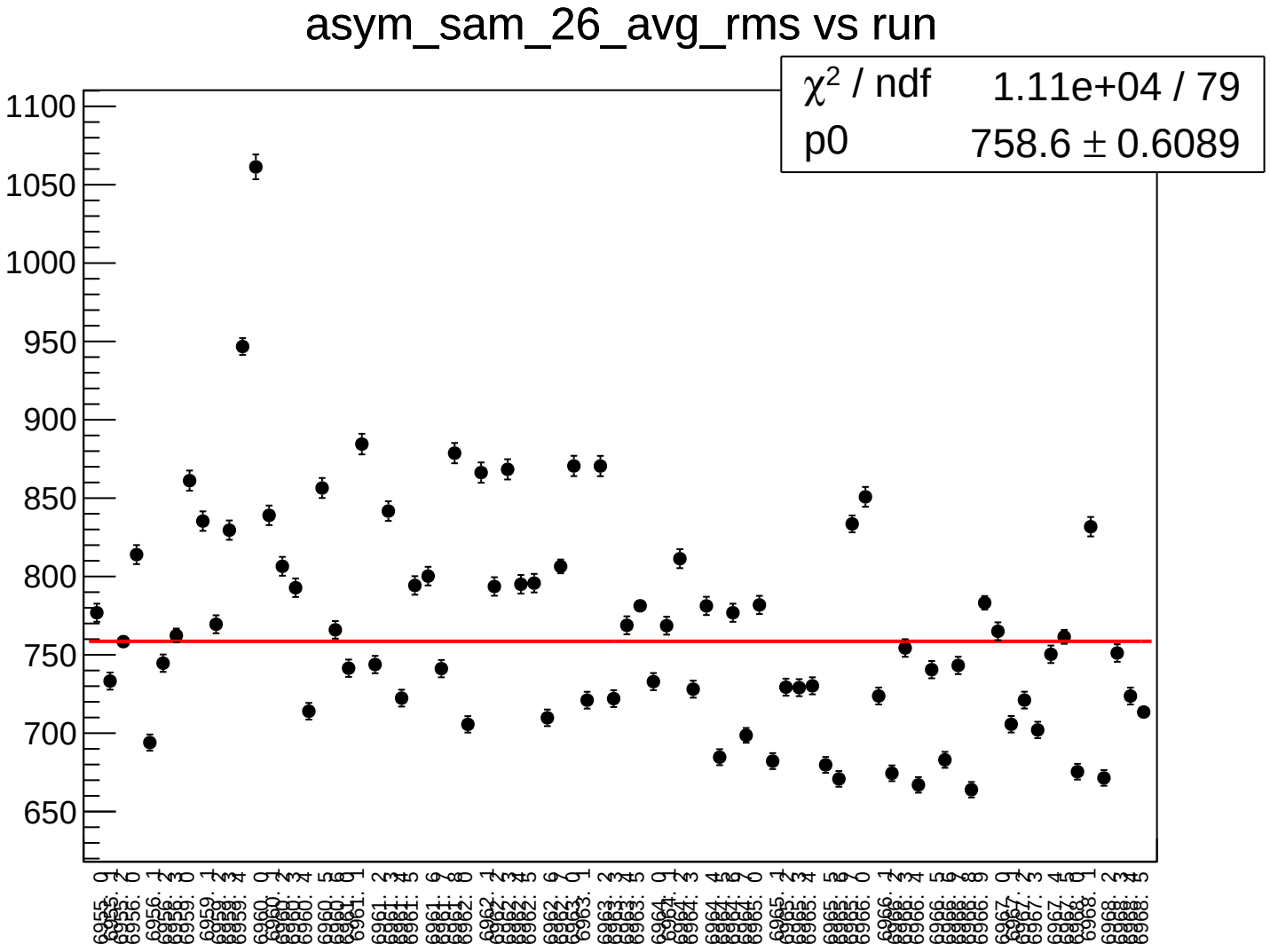
dit_asym_sam_26_avg_rms vs run

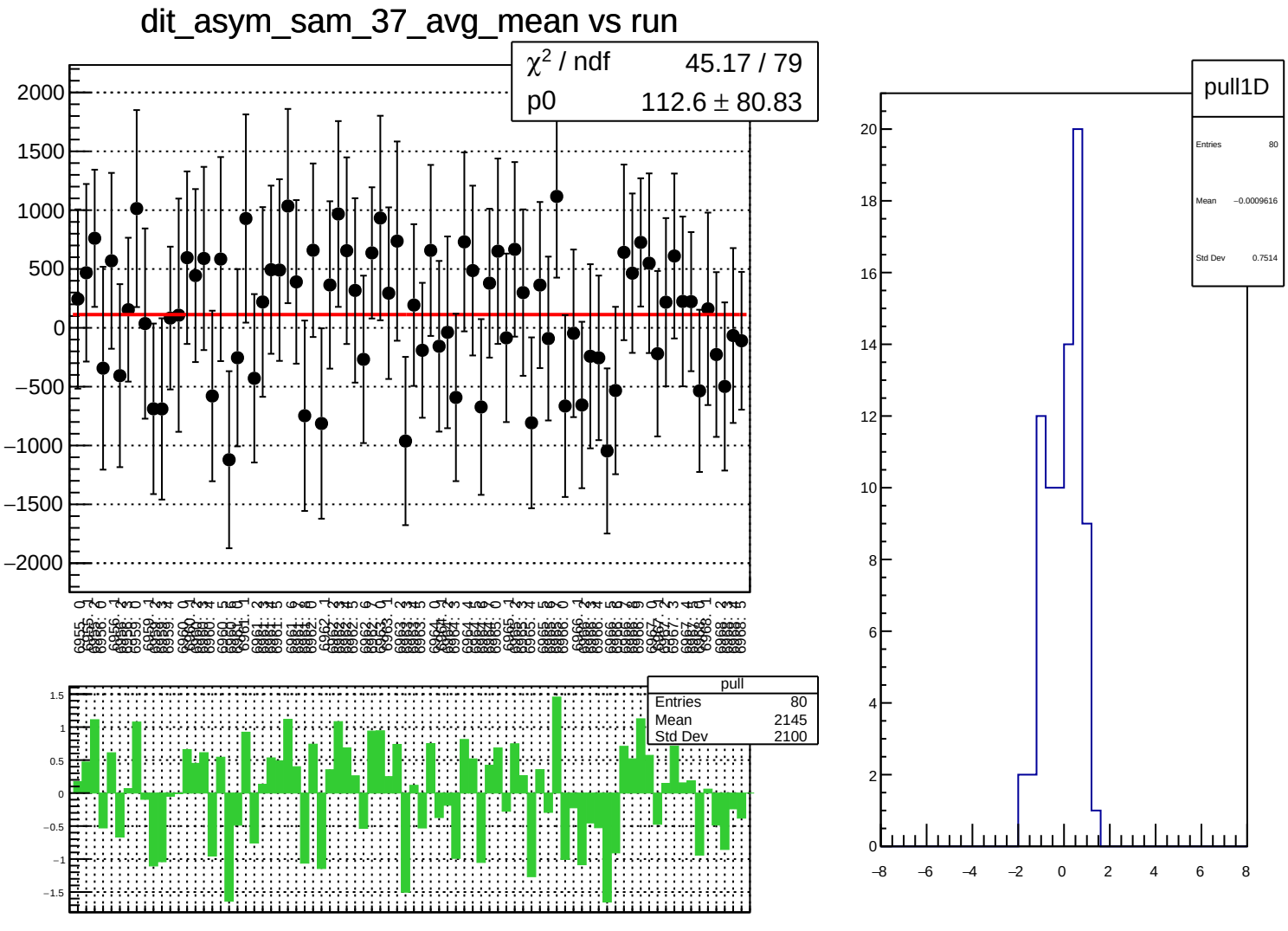



asym_sam_26_avg_correction_mean vs run
χ² / ndf 95.53 / 79
p0 90.48 ± 861.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −69.25
Std Dev 106.8
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.02331
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

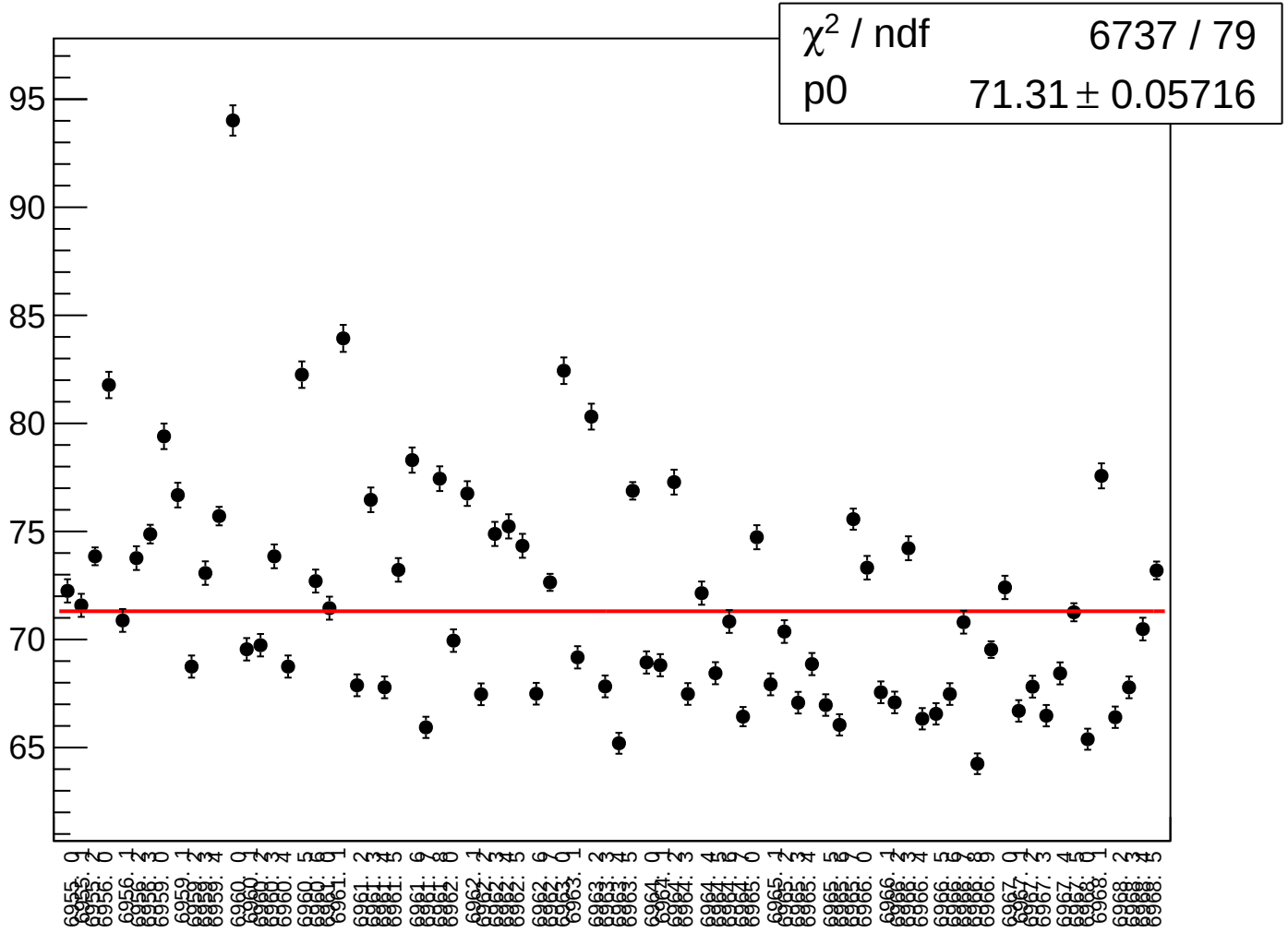

asym_sam_26_avg_correction_rms vs run
χ² / ndf 6118 / 79
p0 760.5 ± 0.6095
1000
950
900
850
800
750
700
650

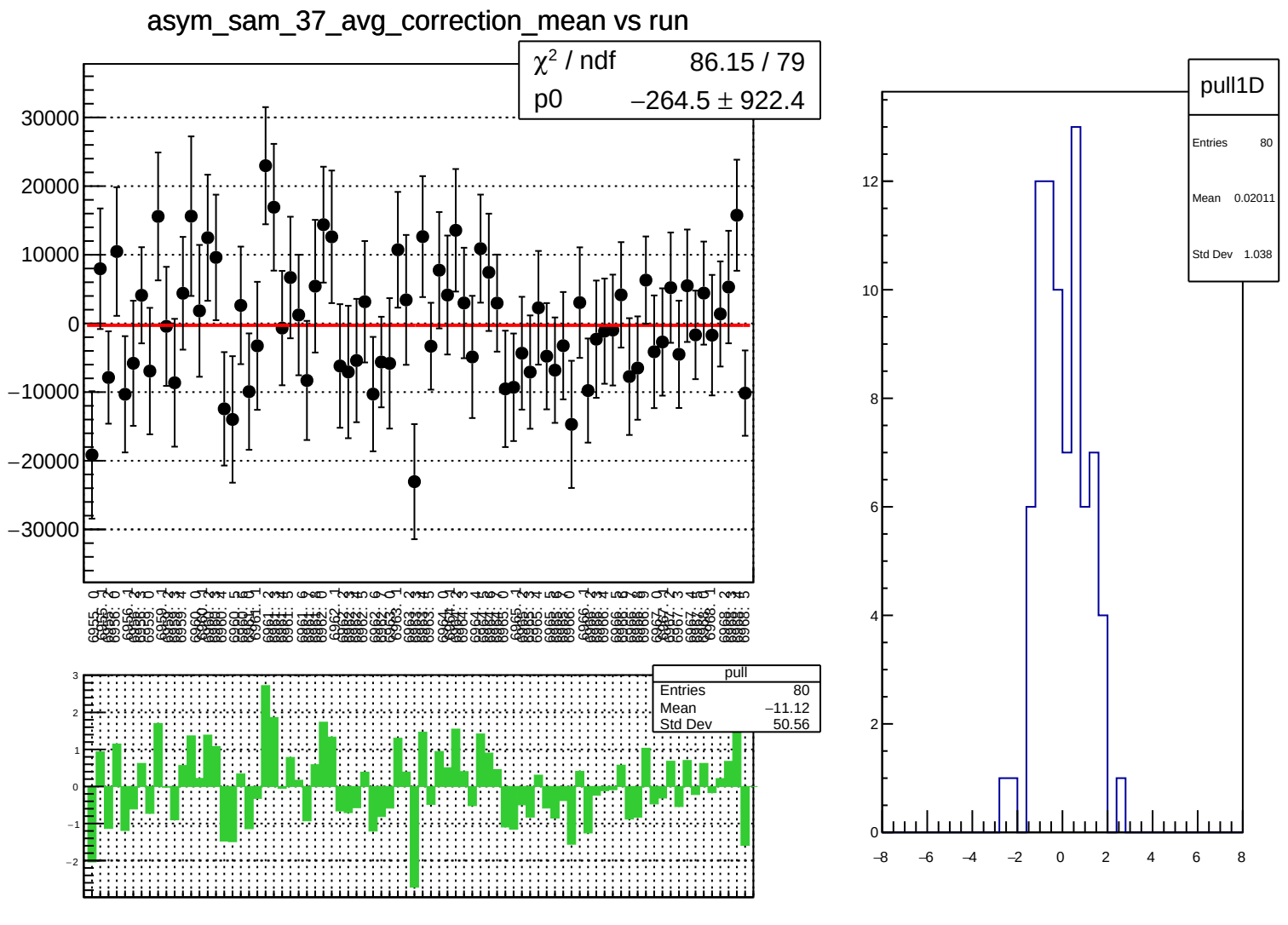

asym_sam_26_avg_mean vs run
χ² / ndf 94.66 / 79
p0 −46.44 ± 861.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −37.69
Std Dev 71.98
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.02347
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

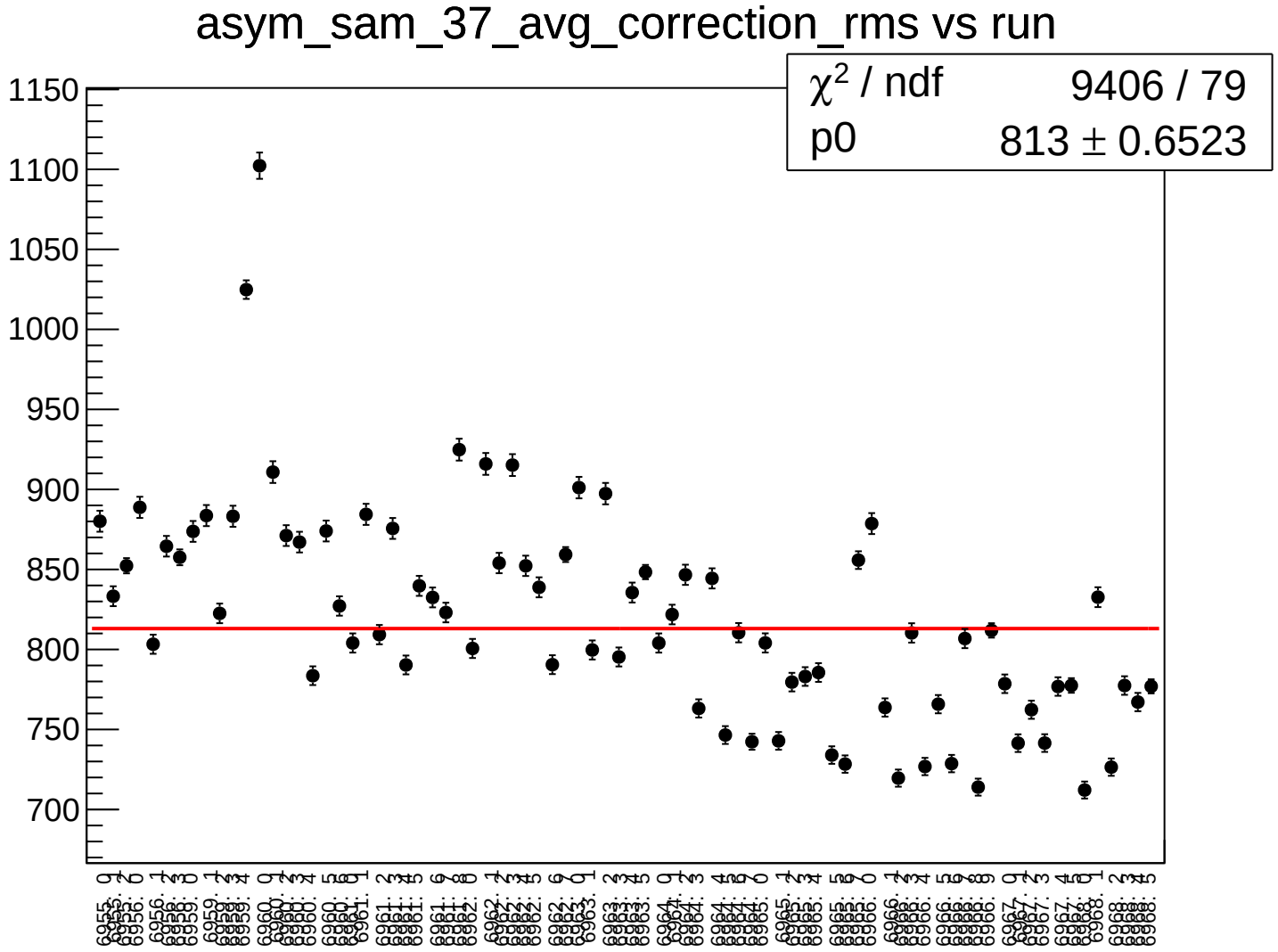

asym_sam_26_avg_rms vs run
χ² / ndf 1.11e+04 / 79
p0 758.6 ± 0.6089
1100
1050
1000
950
900
850
800
750
700
650

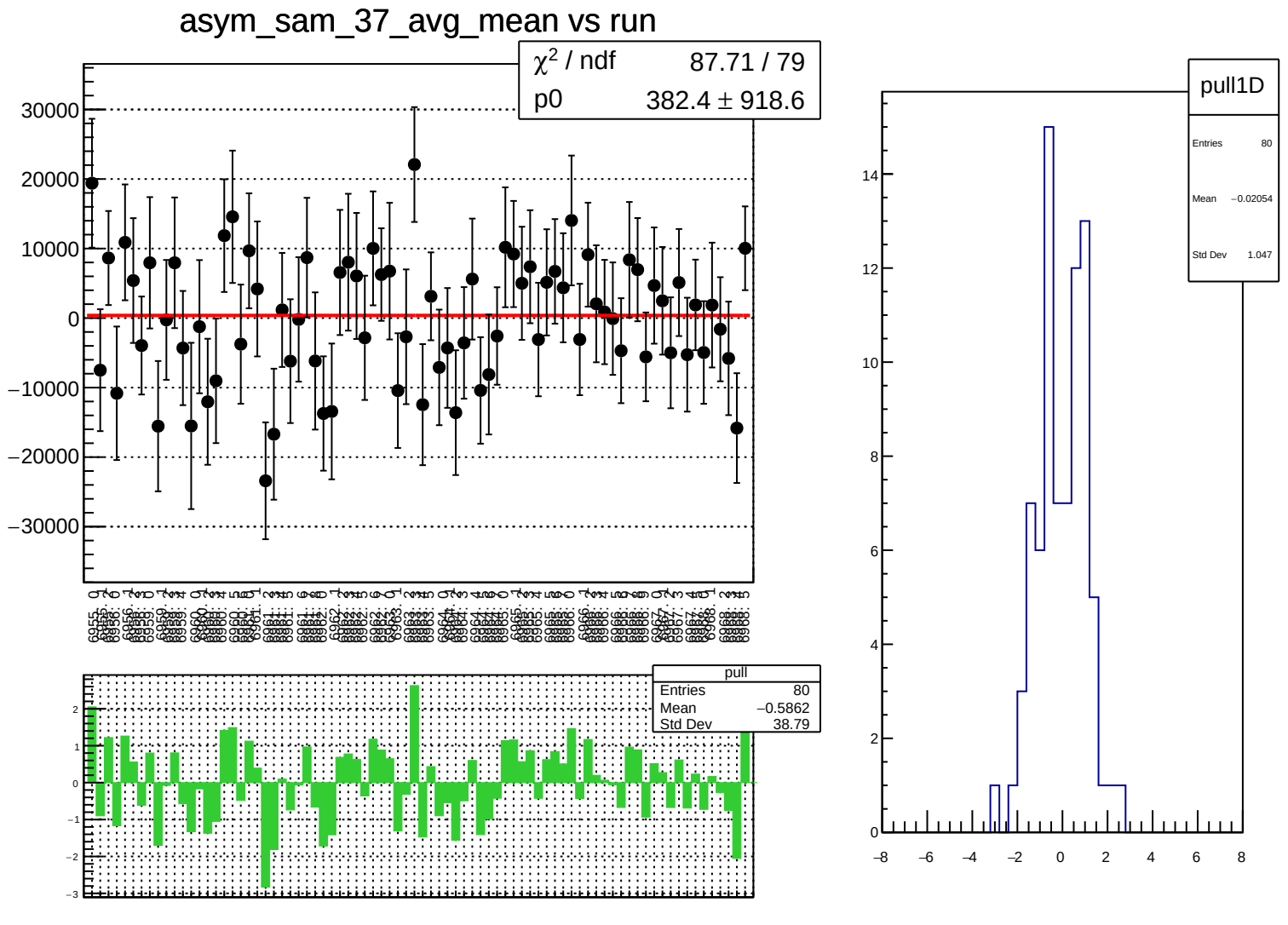

dit_asym_sam_37_avg_mean vs run
χ² / ndf 45.17 / 79
p0 112.6 ± 80.83
pull
Entries 80
Mean 2145
Std Dev 2100
pull1D
Entries 80
Mean −0.0009616
Std Dev 0.7514

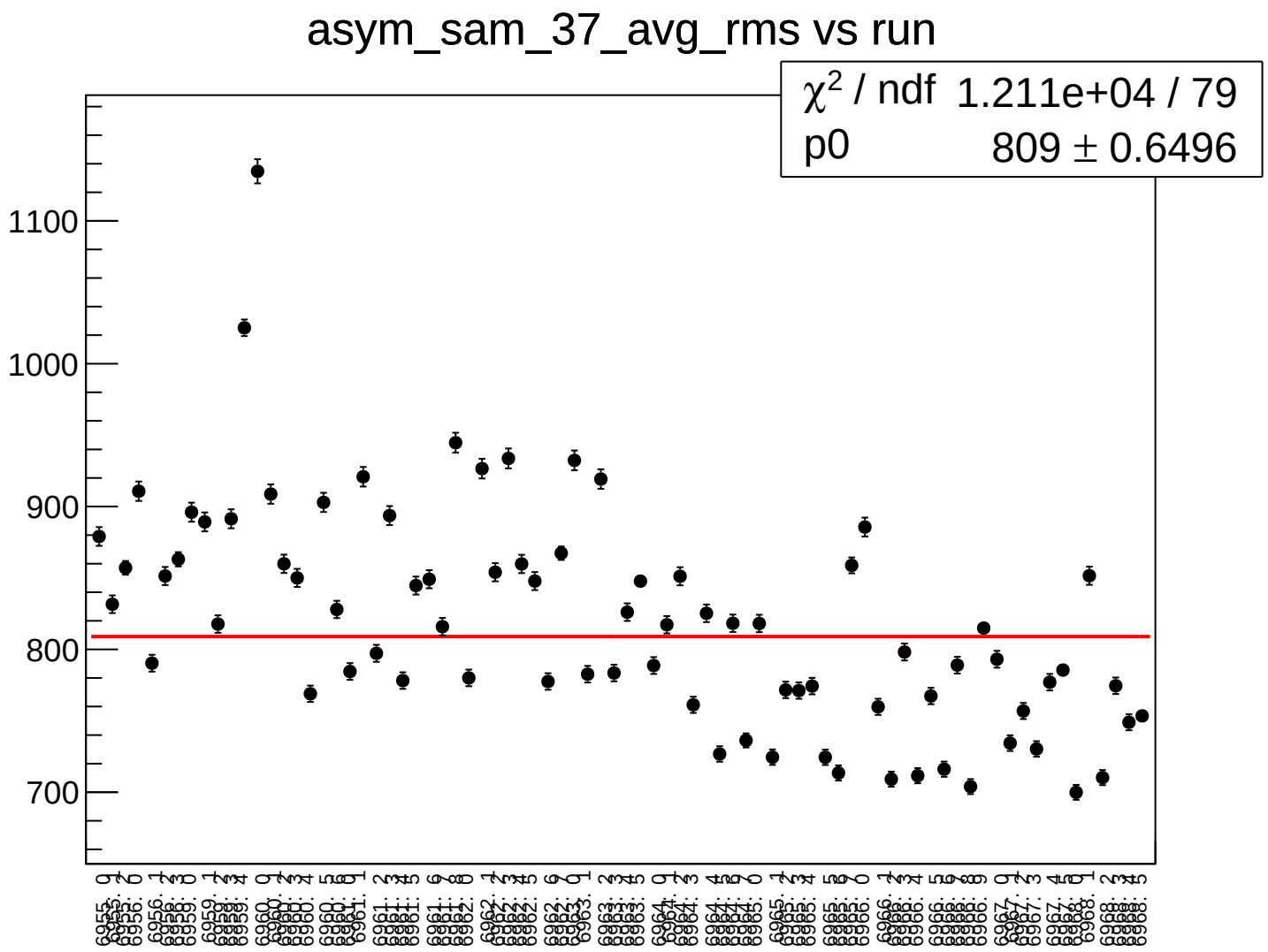
dit_asym_sam_37_avg_rms vs run

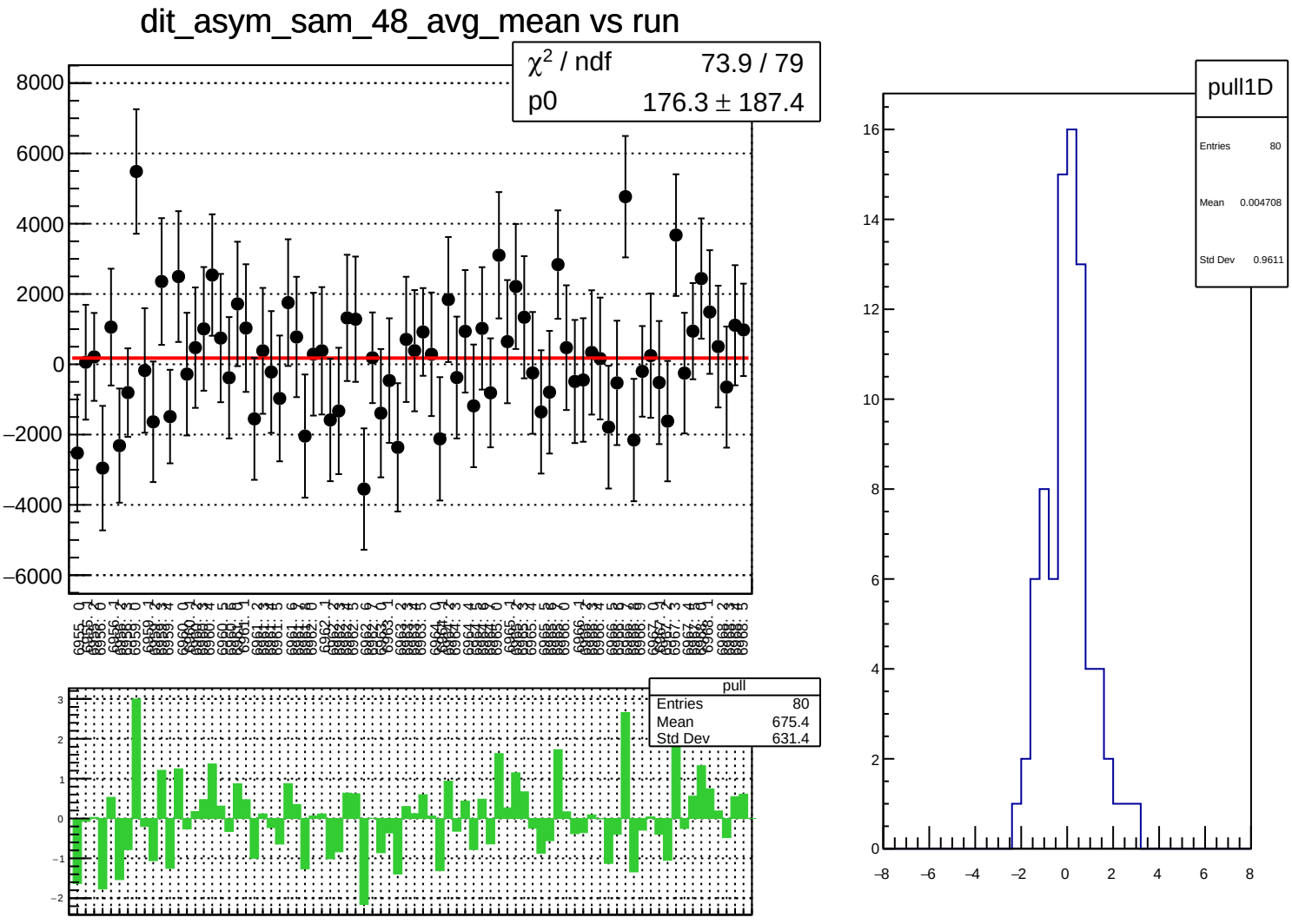



asym_sam_37_avg_correction_mean vs run
χ² / ndf 86.15 / 79
p0 −264.5 ± 922.4
pull
Entries 80
Mean −11.12
Std Dev 50.56
pull1D
Entries 80
Mean 0.02011
Std Dev 1.038

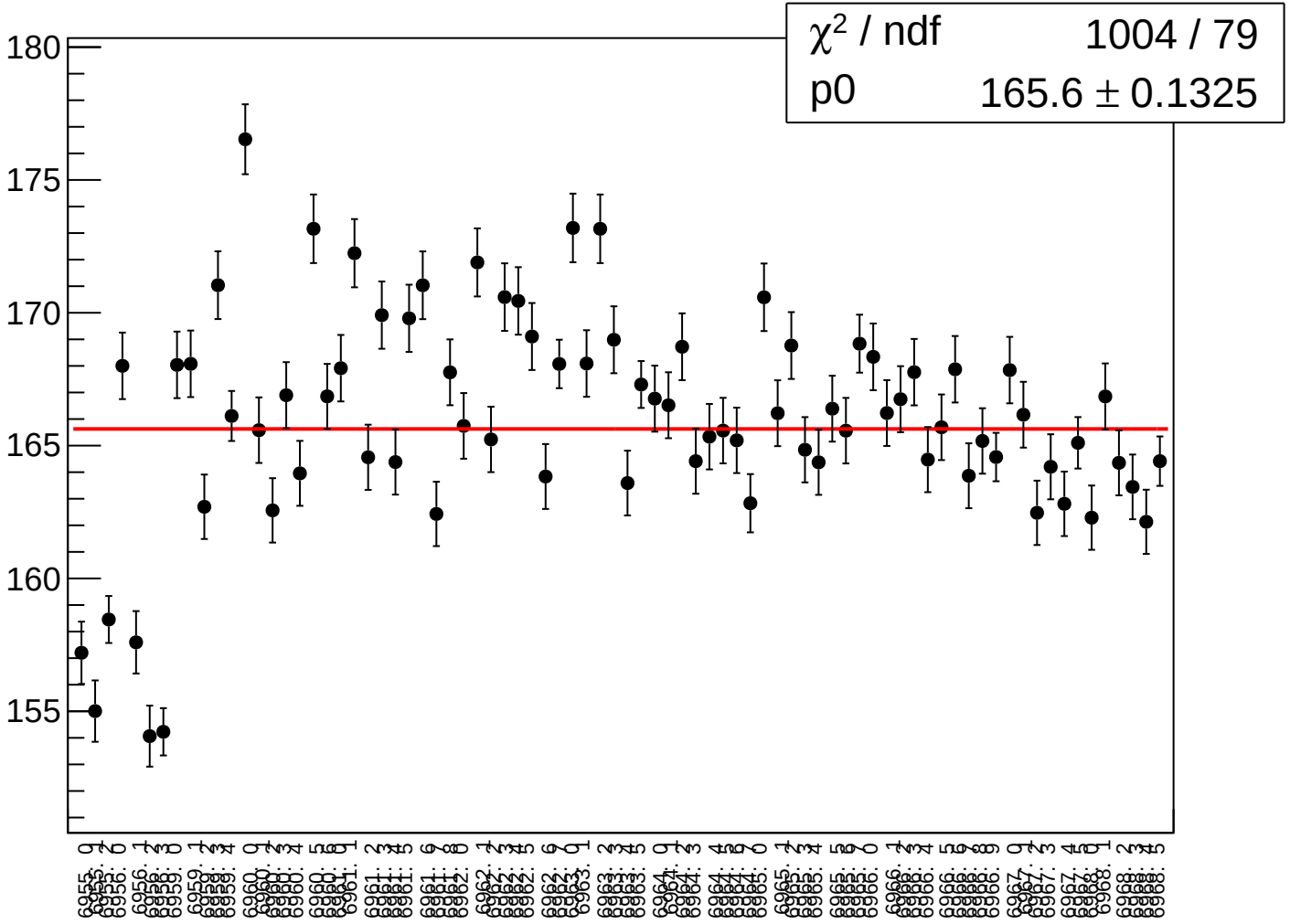

asym_sam_37_avg_correction_rms vs run
χ² / ndf 9406 / 79
p0 813 ± 0.6523
1150
1100
1050
1000
950
900
850
800
750
700

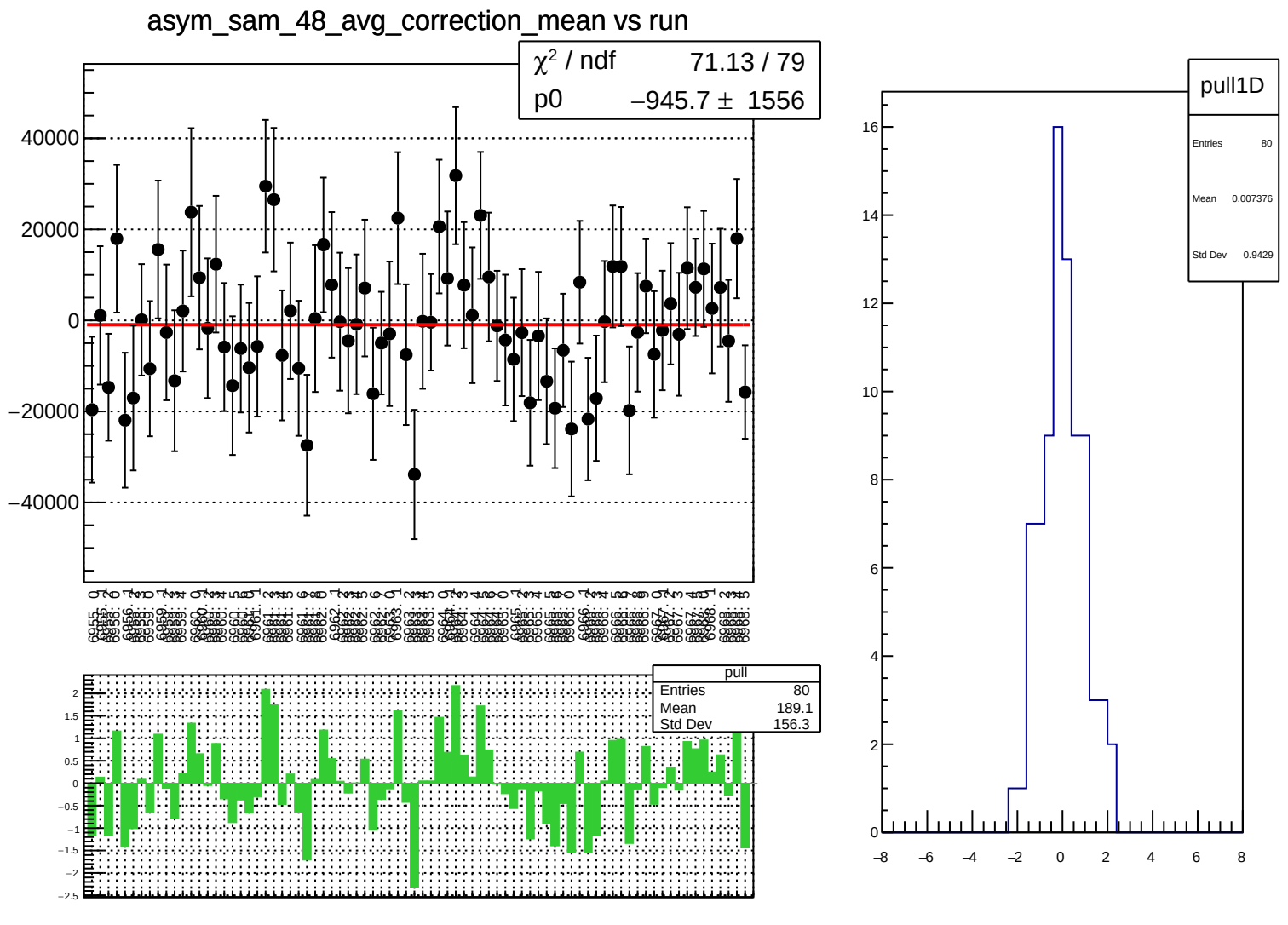

asym_sam_37_avg_mean vs run
χ² / ndf 87.71 / 79
p0 382.4 ± 918.6
pull
Entries 80
Mean −0.5862
Std Dev 38.79
pull1D
Entries 80
Mean −0.02054
Std Dev 1.047

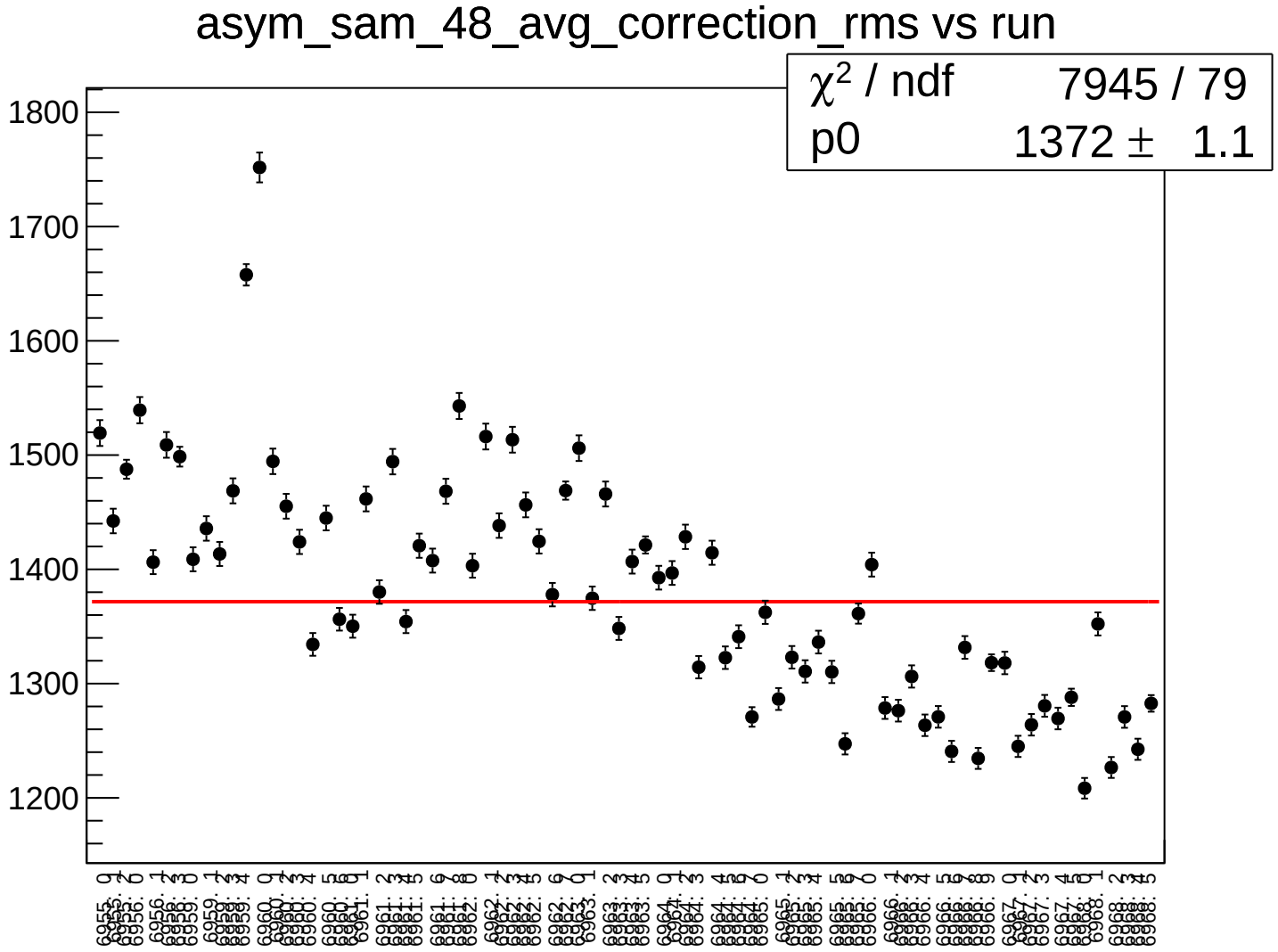

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.211e+04 / 79
p0 809 ± 0.6496
1100
1000
900
800
700

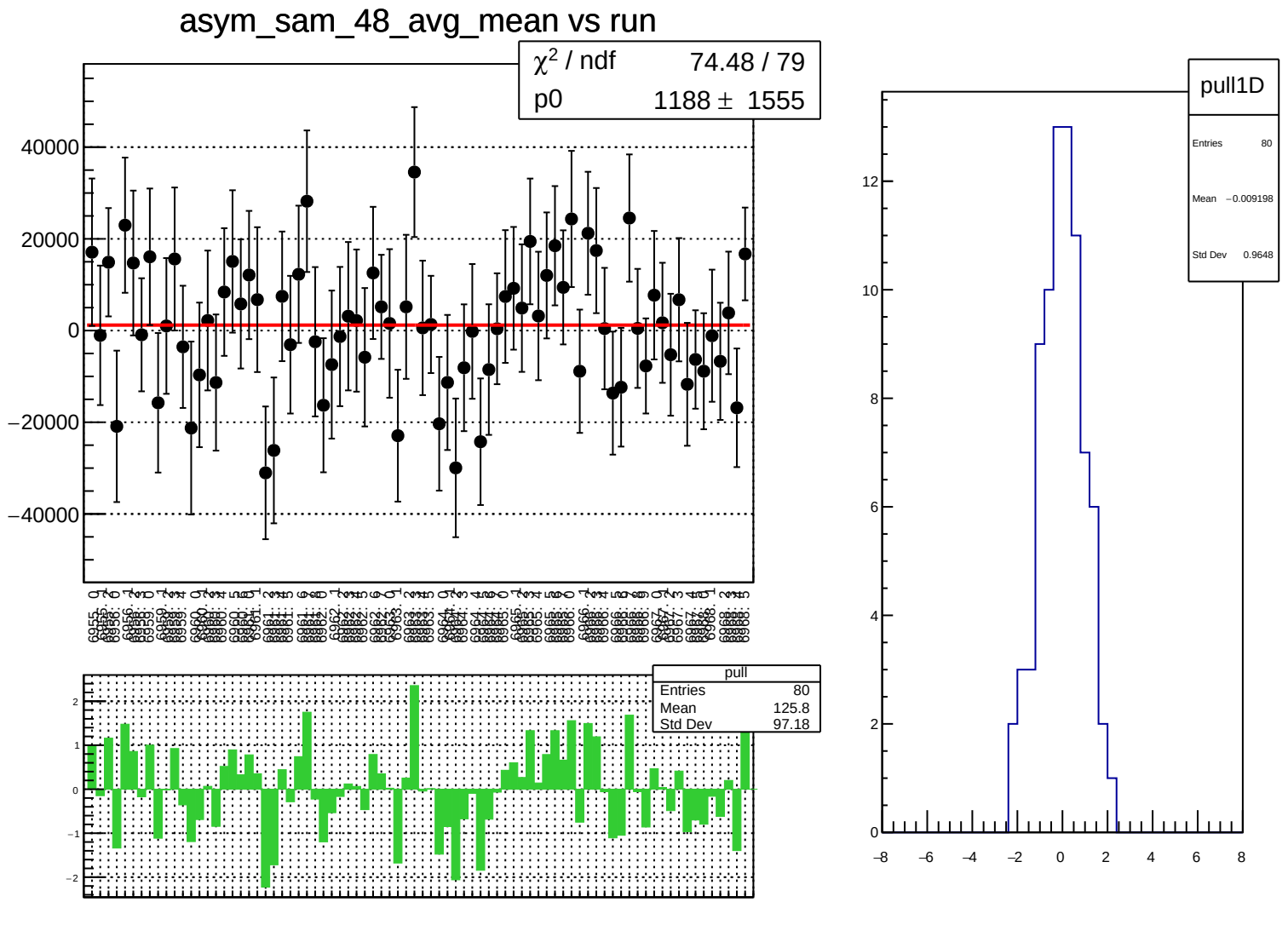

dit_asym_sam_48_avg_mean vs run
χ² / ndf 73.9 / 79
p0 176.3 ± 187.4
pull
Entries 80
Mean 675.4
Std Dev 631.4
pull1D
Entries 80
Mean 0.004708
Std Dev 0.9611

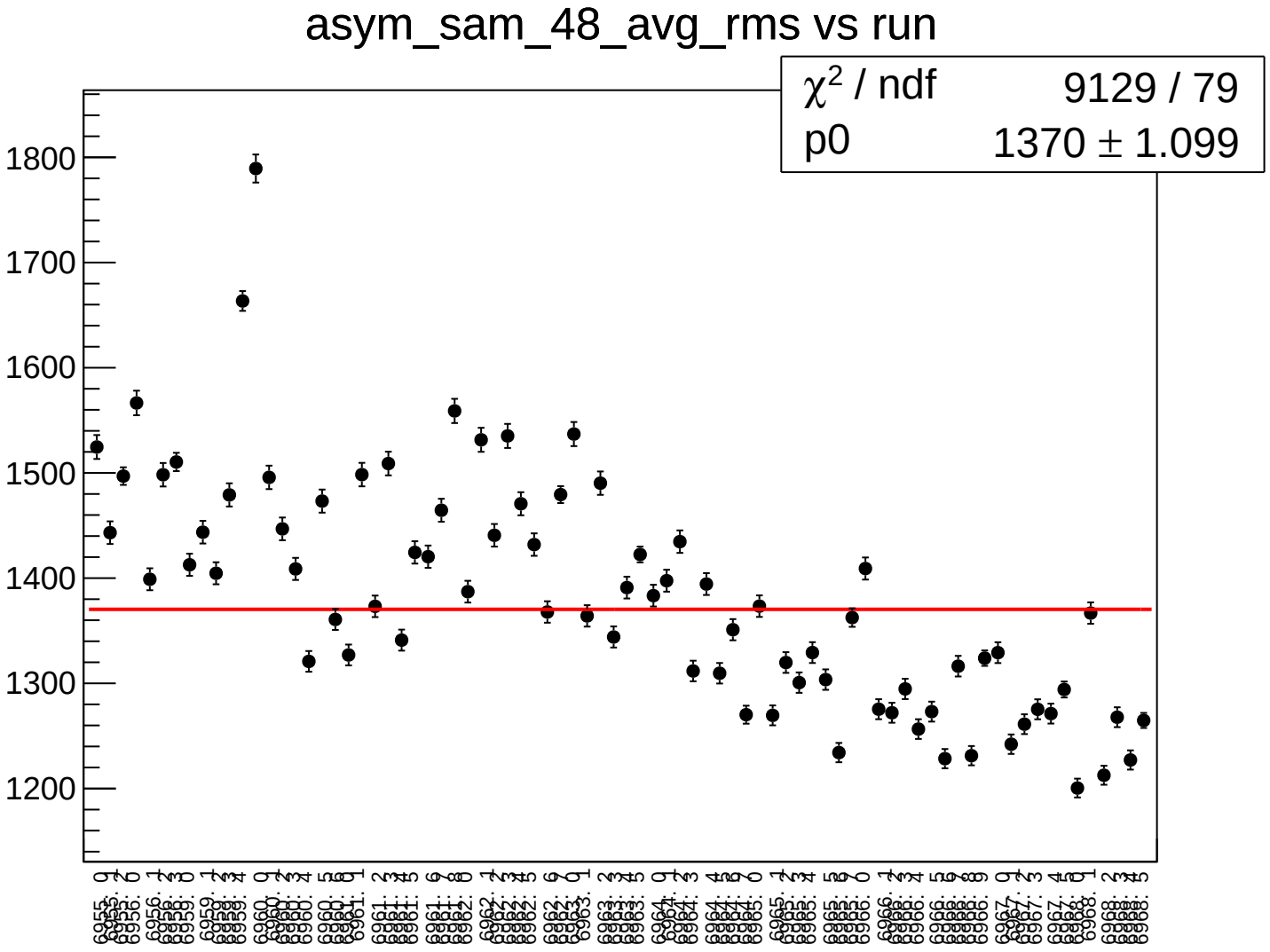
dit_asym_sam_48_avg_rms vs run

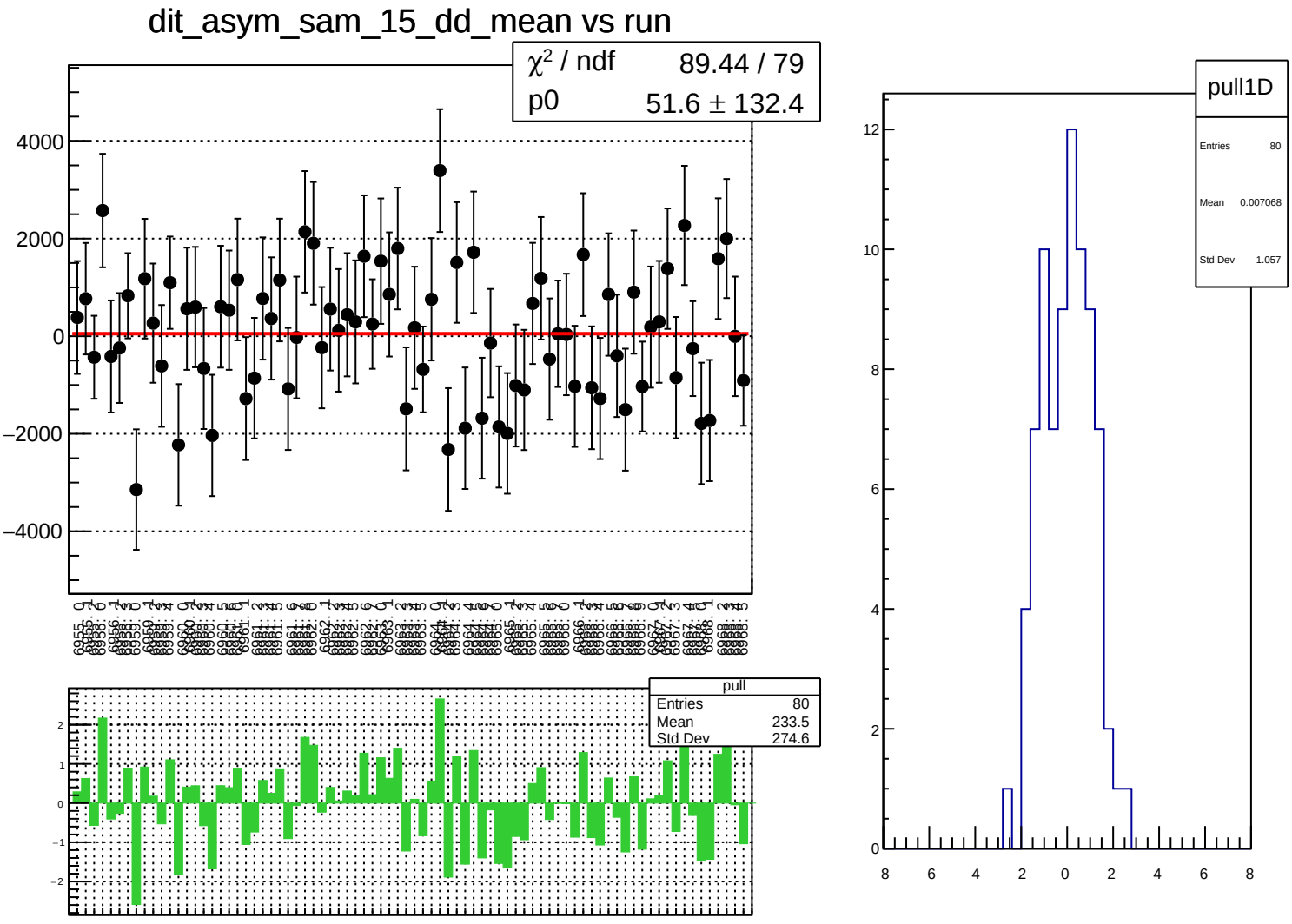



asym_sam_48_avg_correction_mean vs run
χ² / ndf 71.13 / 79
p0 −945.7 ± 1556
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 189.1
Std Dev 156.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 80
Mean 0.007376
Std Dev 0.9429
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

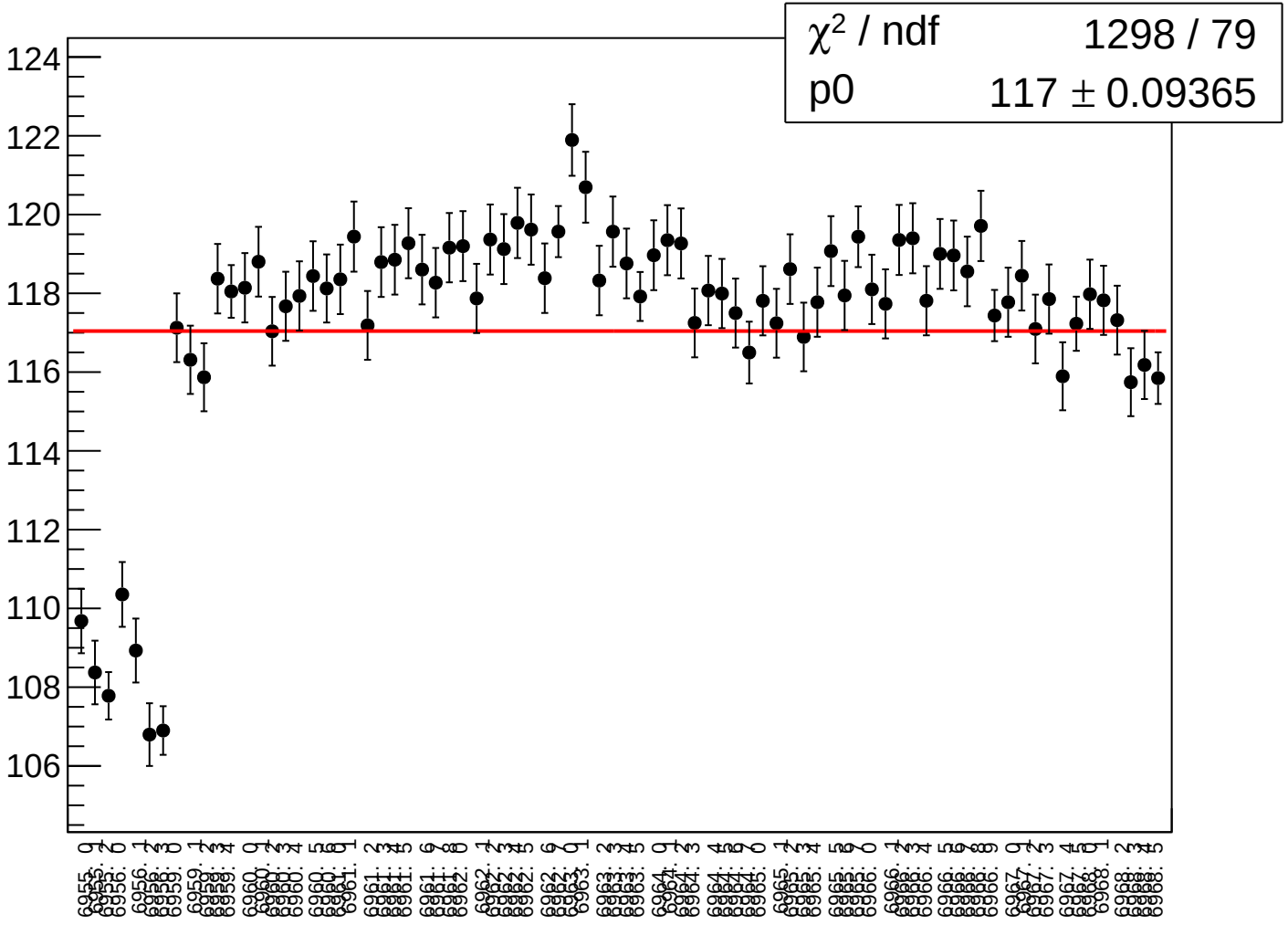

asym_sam_48_avg_correction_rms vs run
χ² / ndf 7945 / 79
p0 1372 ± 1.1
1800
1700
1600
1500
1400
1300
1200

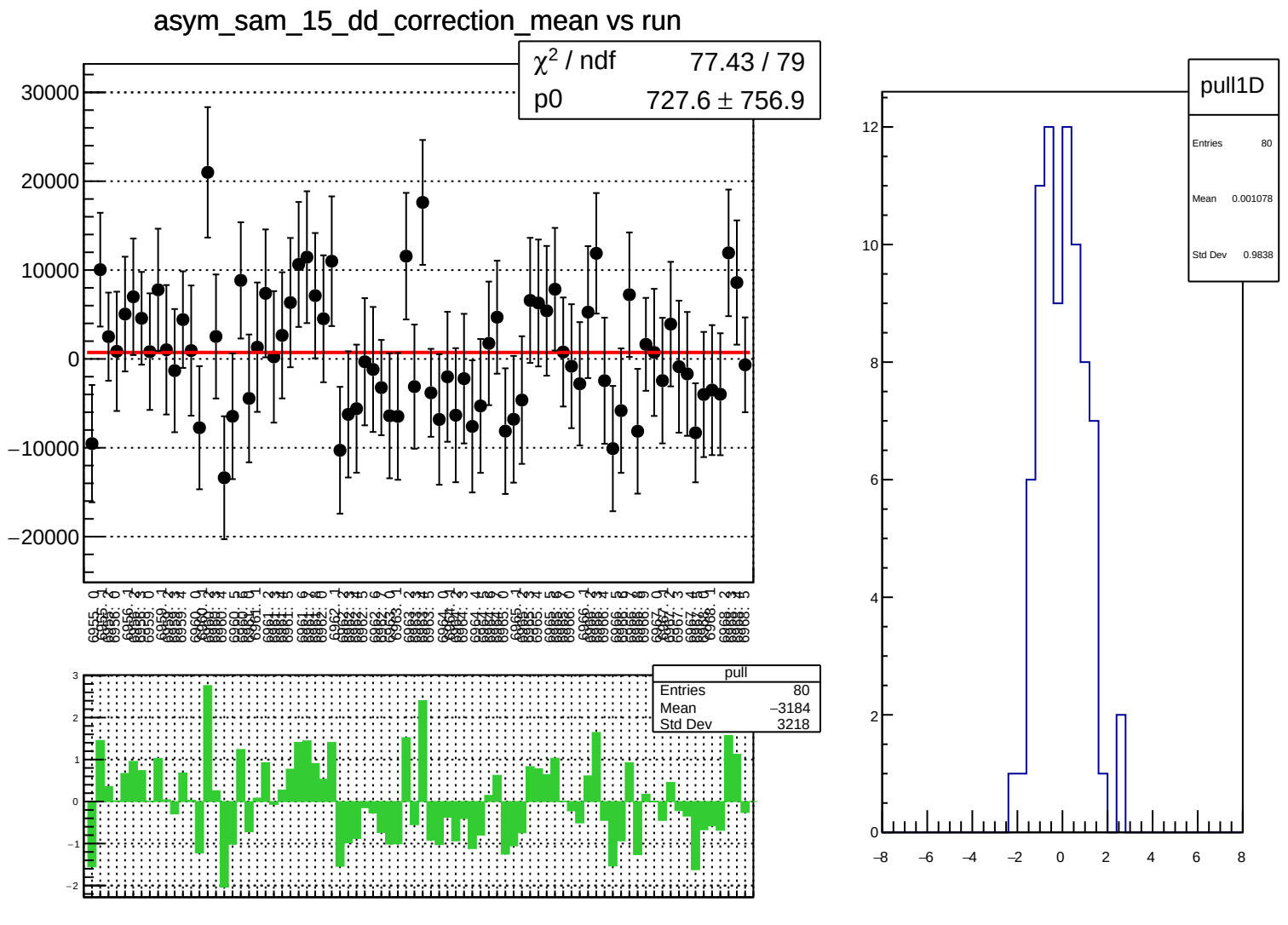

asym_sam_48_avg_mean vs run
χ² / ndf 74.48 / 79
p0 1188 ± 1555
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 125.8
Std Dev 97.18
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.009198
Std Dev 0.9648
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_rms vs run
χ^2 / ndf 9129 / 79
p0 1370 ± 1.099
1800
1700
1600
1500
1400
1300
1200

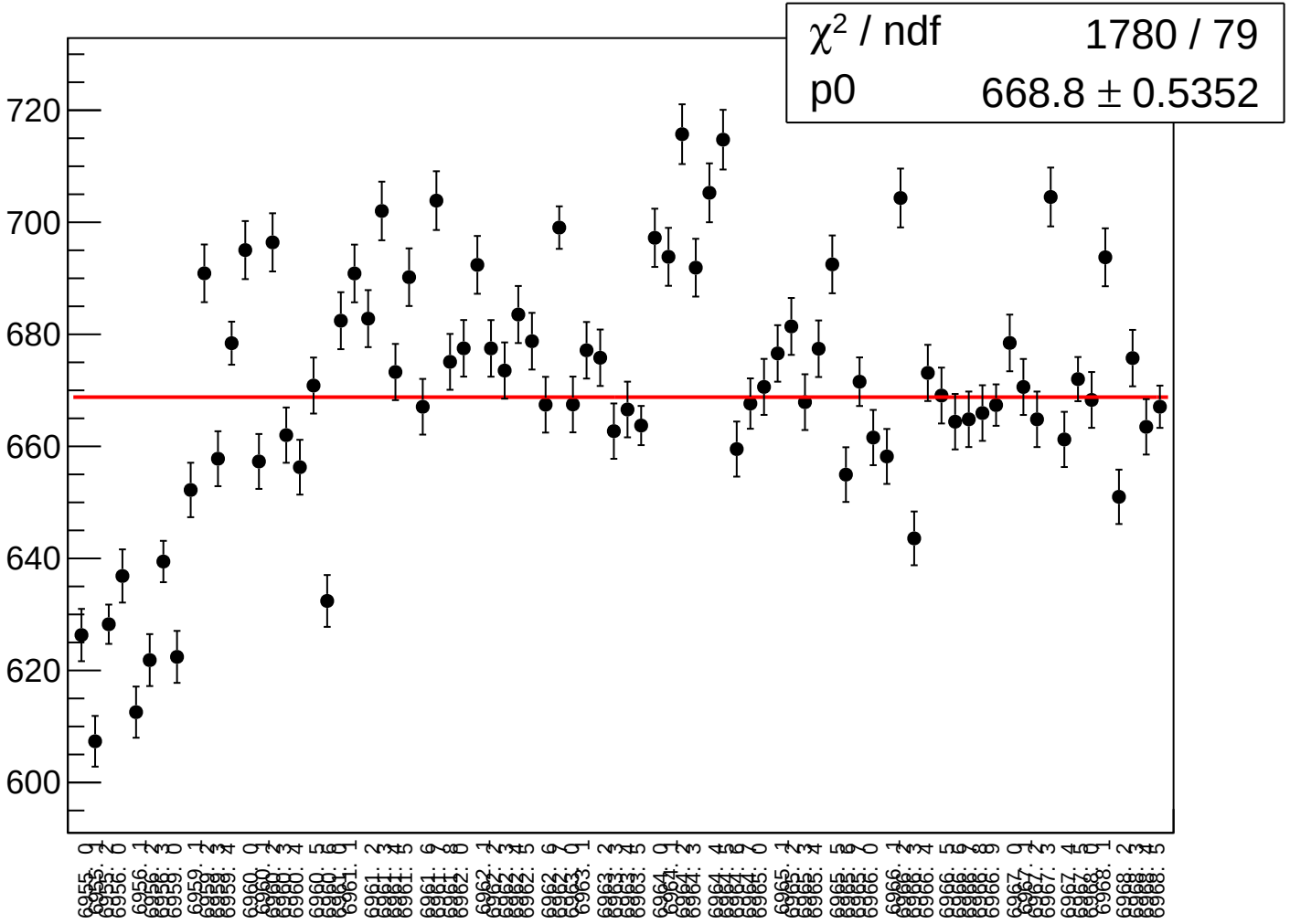

dit_asym_sam_15_dd_mean vs run
χ² / ndf 89.44 / 79
p0 51.6 ± 132.4
pull
Entries 80
Mean −233.5
Std Dev 274.6
pull1D
Entries 80
Mean 0.007068
Std Dev 1.057

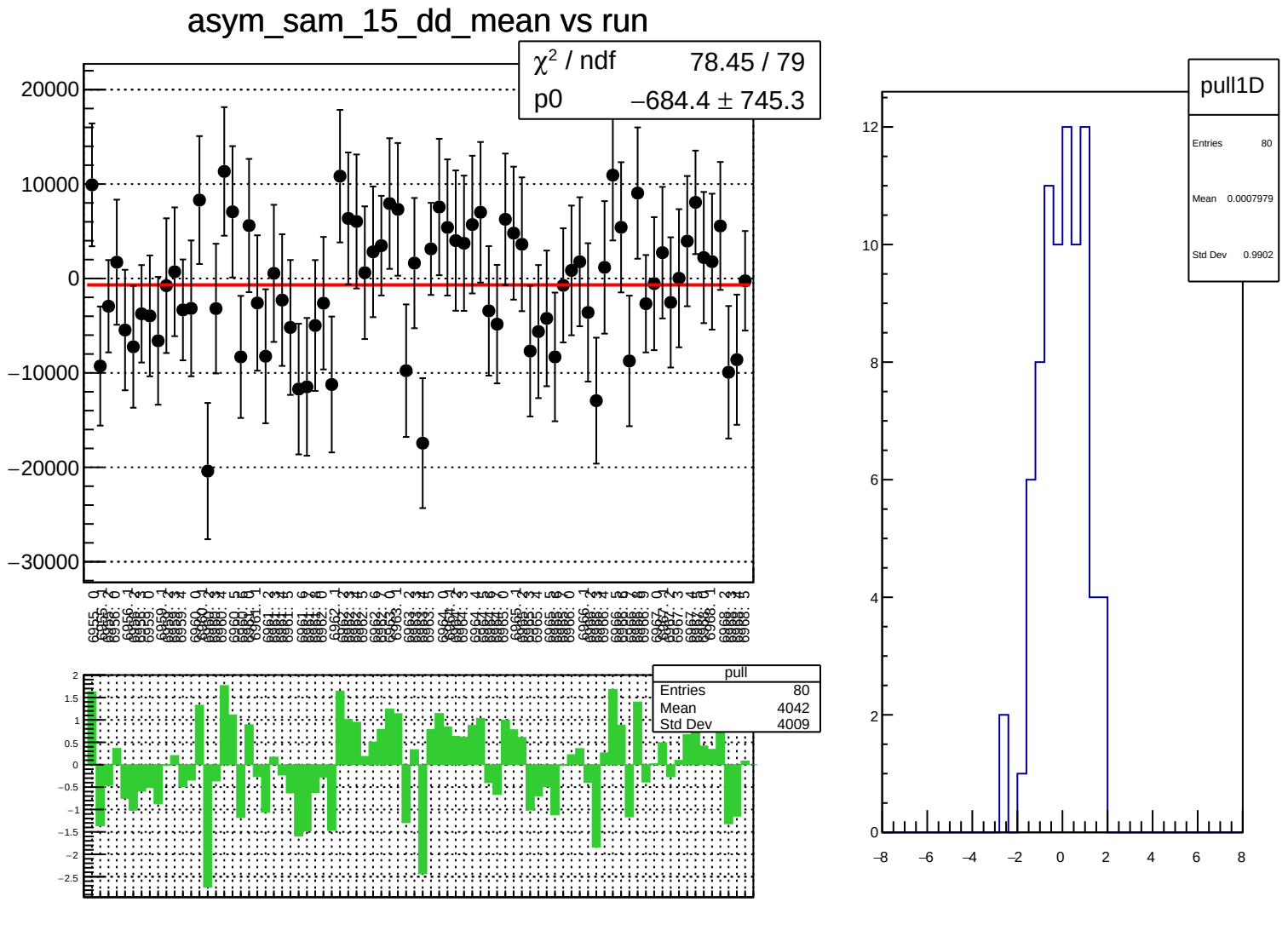
dit_asym_sam_15_dd_rms vs run

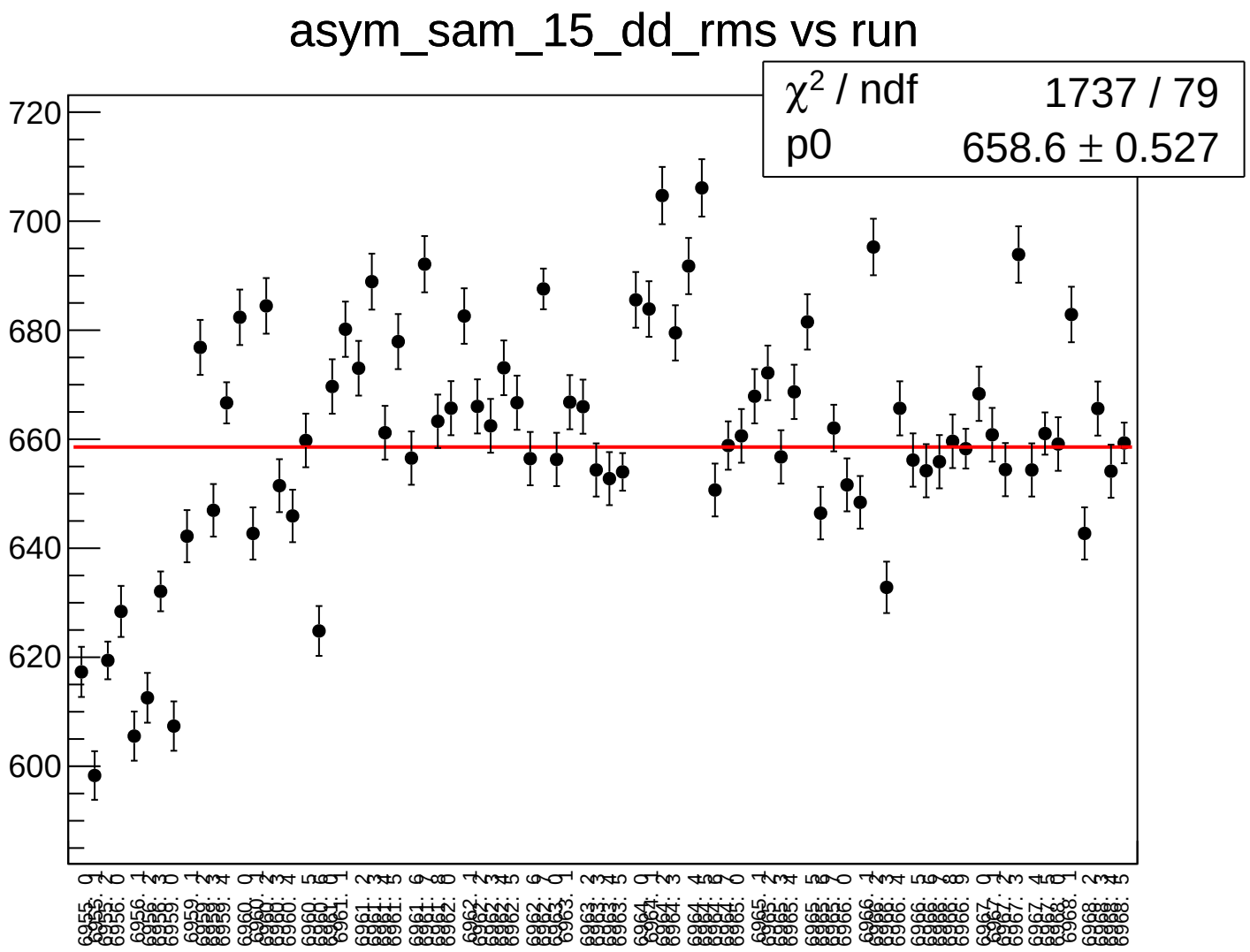


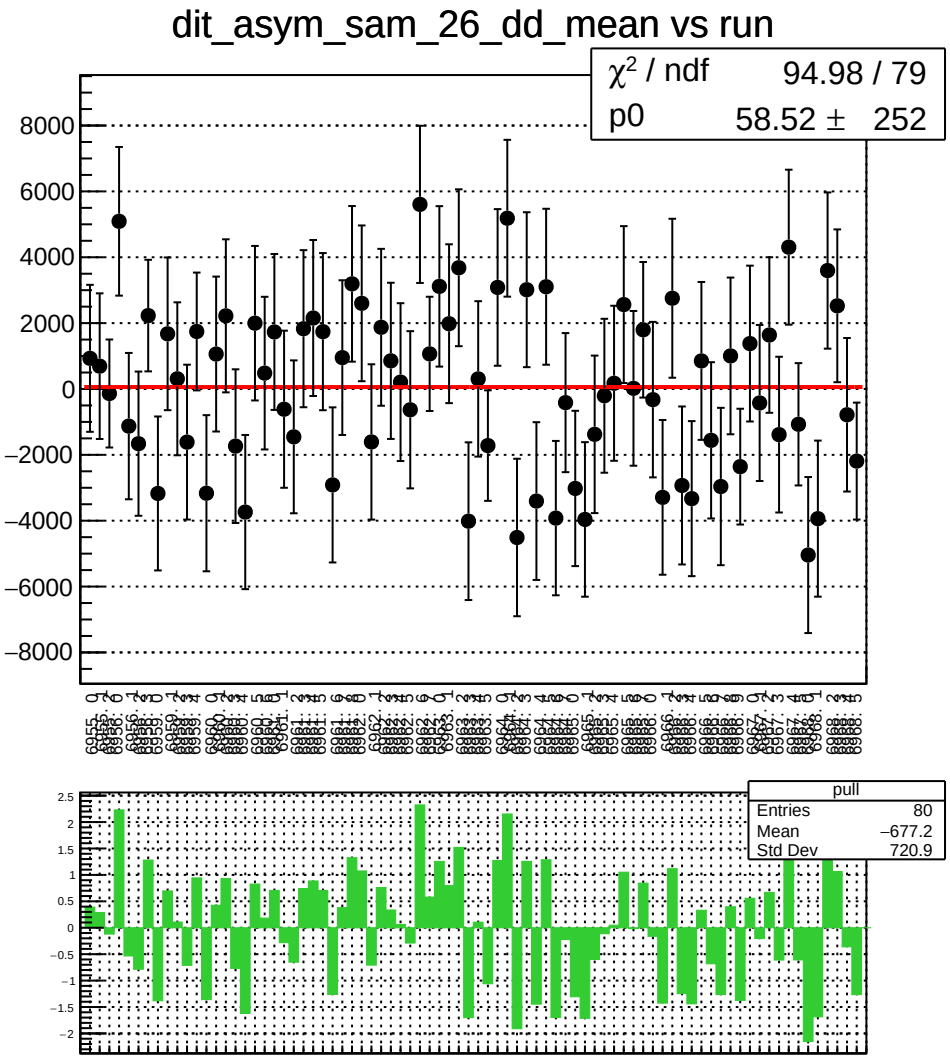

asym_sam_15_dd_correction_mean vs run
χ² / ndf 77.43 / 79
p0 727.6 ± 756.9
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −3184
Std Dev 3218
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.001078
Std Dev 0.9838
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

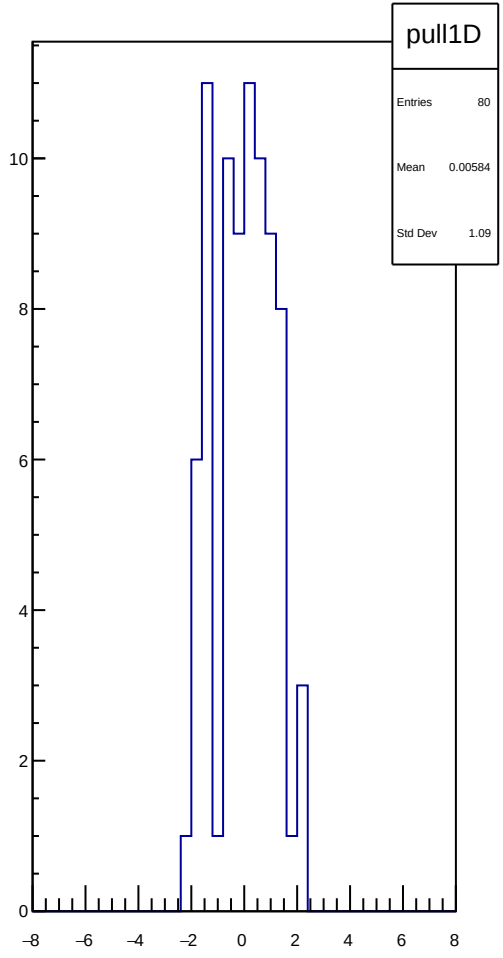
asym_sam_15_dd_correction_rms vs run

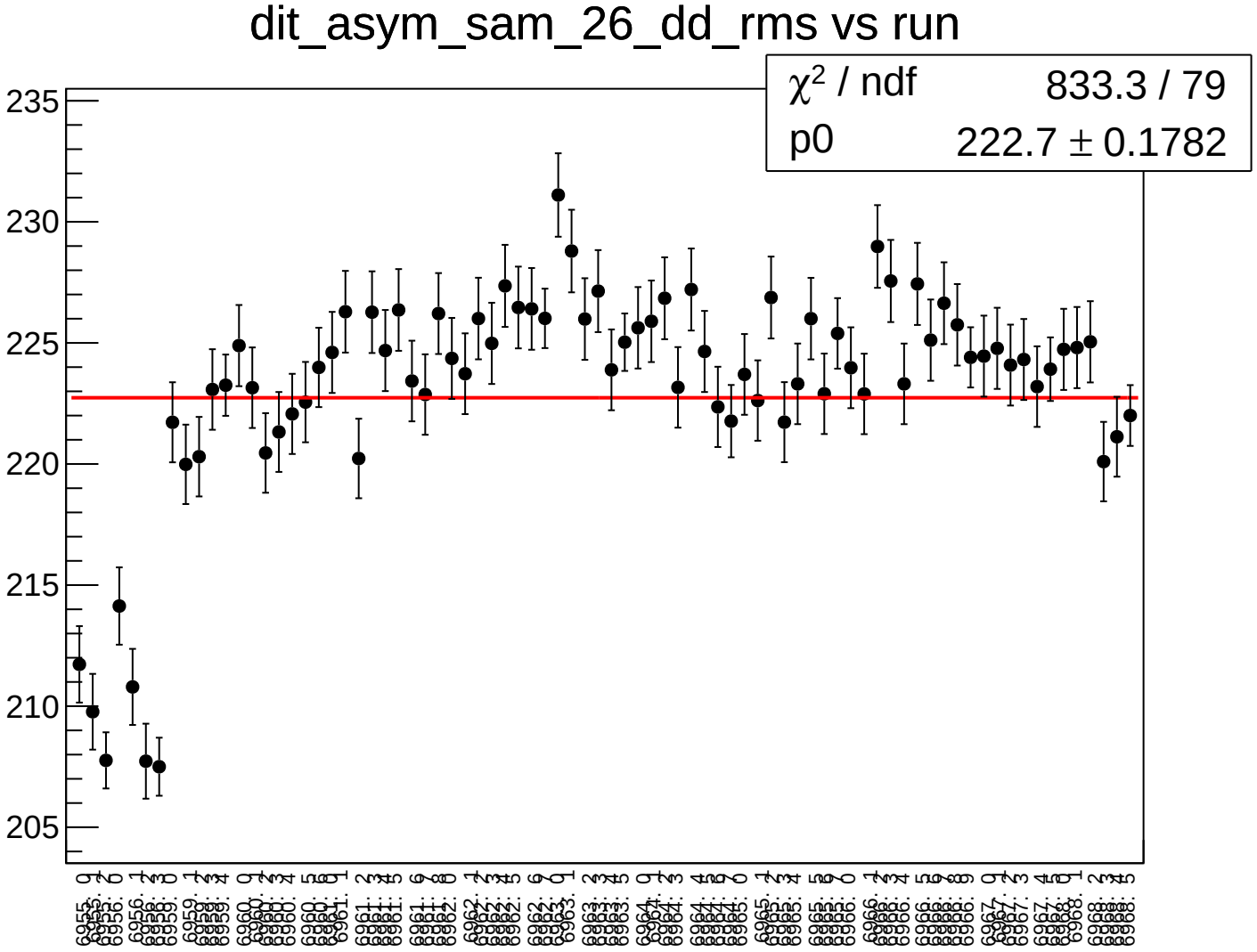


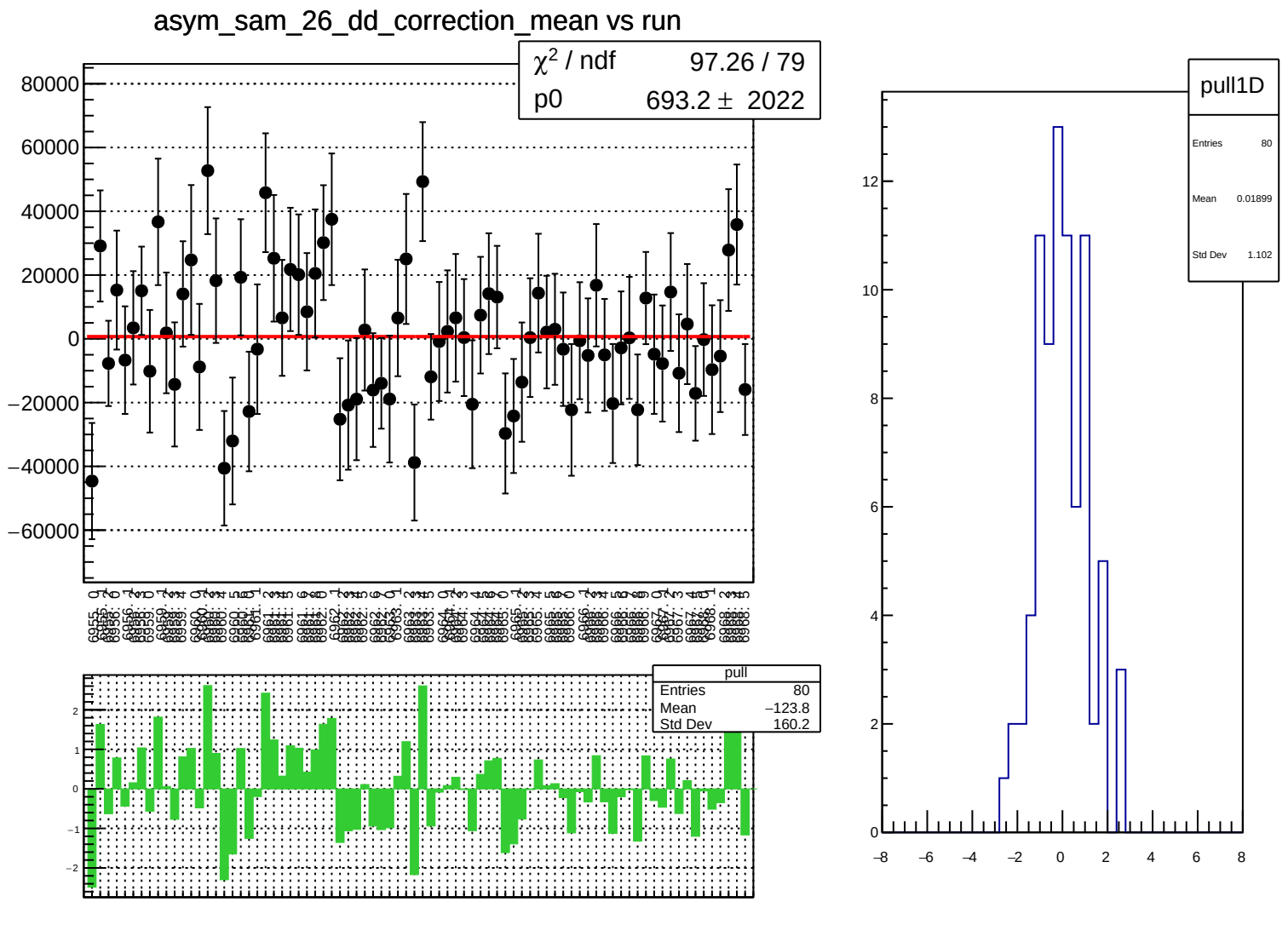

asym_sam_15_dd_mean vs run
χ² / ndf 78.45 / 79
p0 −684.4 ± 745.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 4042
Std Dev 4009
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 80
Mean 0.0007979
Std Dev 0.9902
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_rms vs run
χ^2 / ndf 1737 / 79
p0 658.6 ± 0.527
720
700
680
660
640
620
600

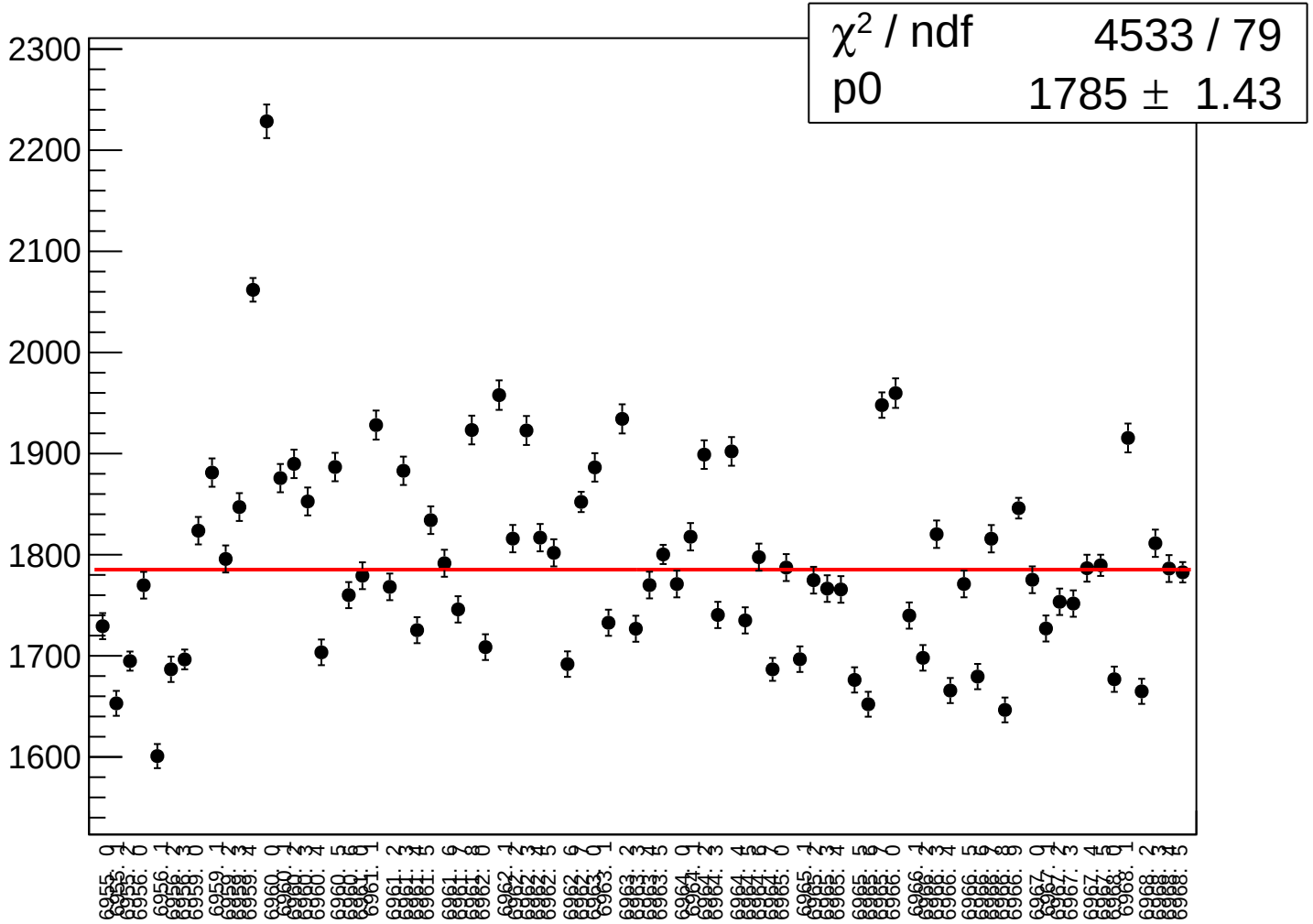

dit_asym_sam_26_dd_mean vs run
χ² / ndf 94.98 / 79
p0 58.52 ± 252
pull
Entries 80
Mean −677.2
Std Dev 720.9

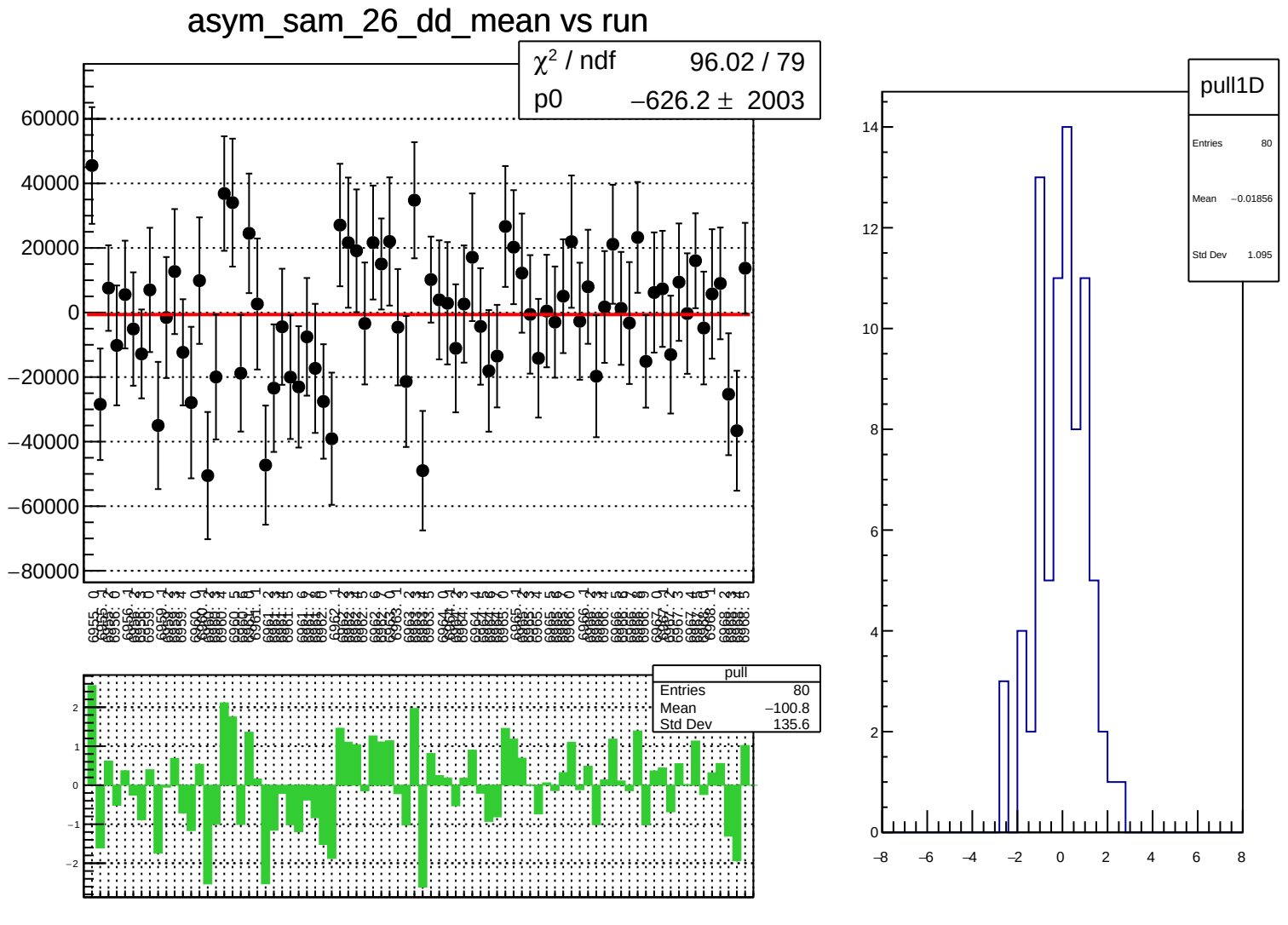

pull1D
Entries 80
Mean 0.00584
Std Dev 1.09

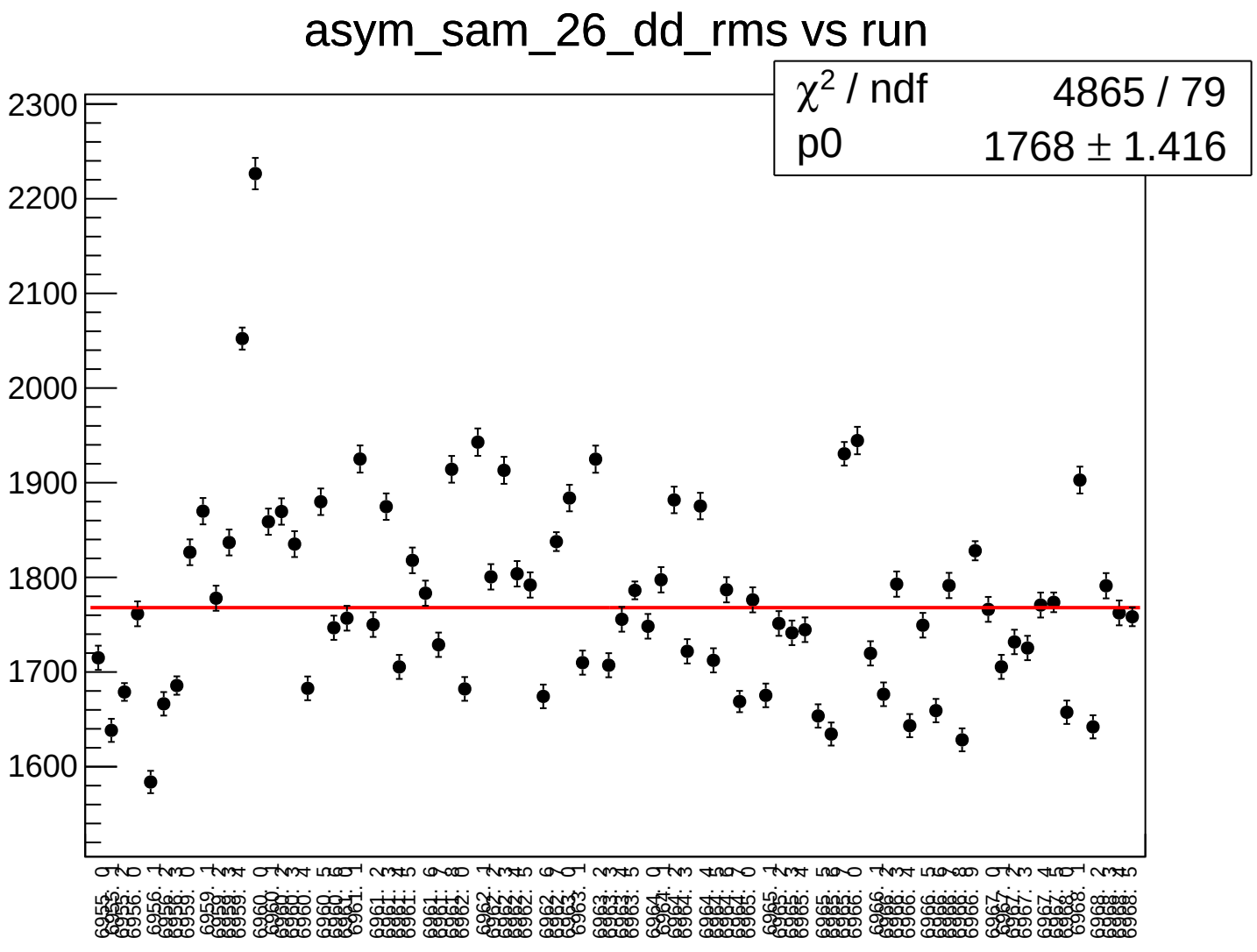

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 833.3 / 79
p0 222.7 ± 0.1782
235
230
225
220
215
210
205

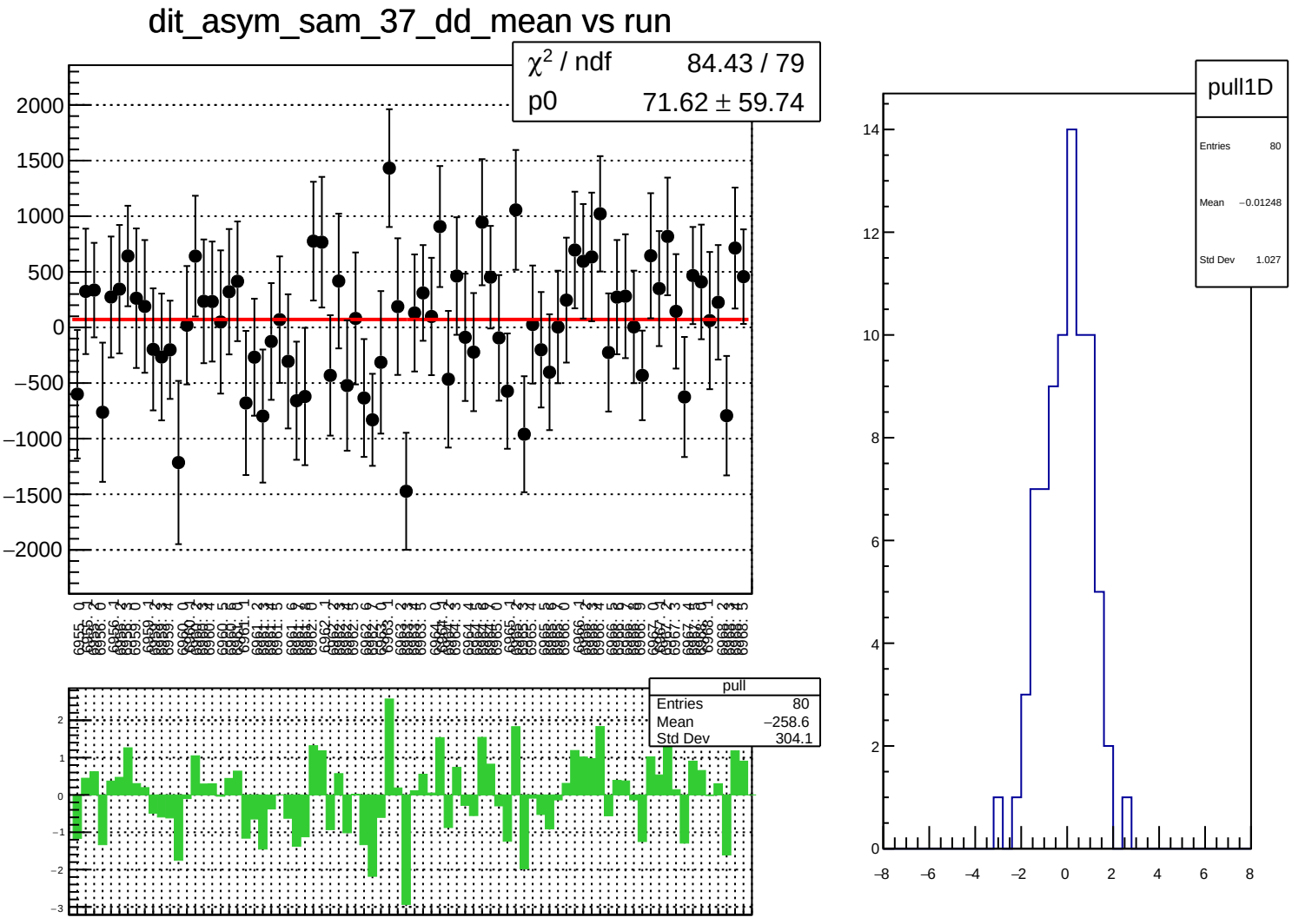

asym_sam_26_dd_correction_mean vs run
χ² / ndf 97.26 / 79
p0 693.2 ± 2022
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −123.8
Std Dev 160.2
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01899
Std Dev 1.102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

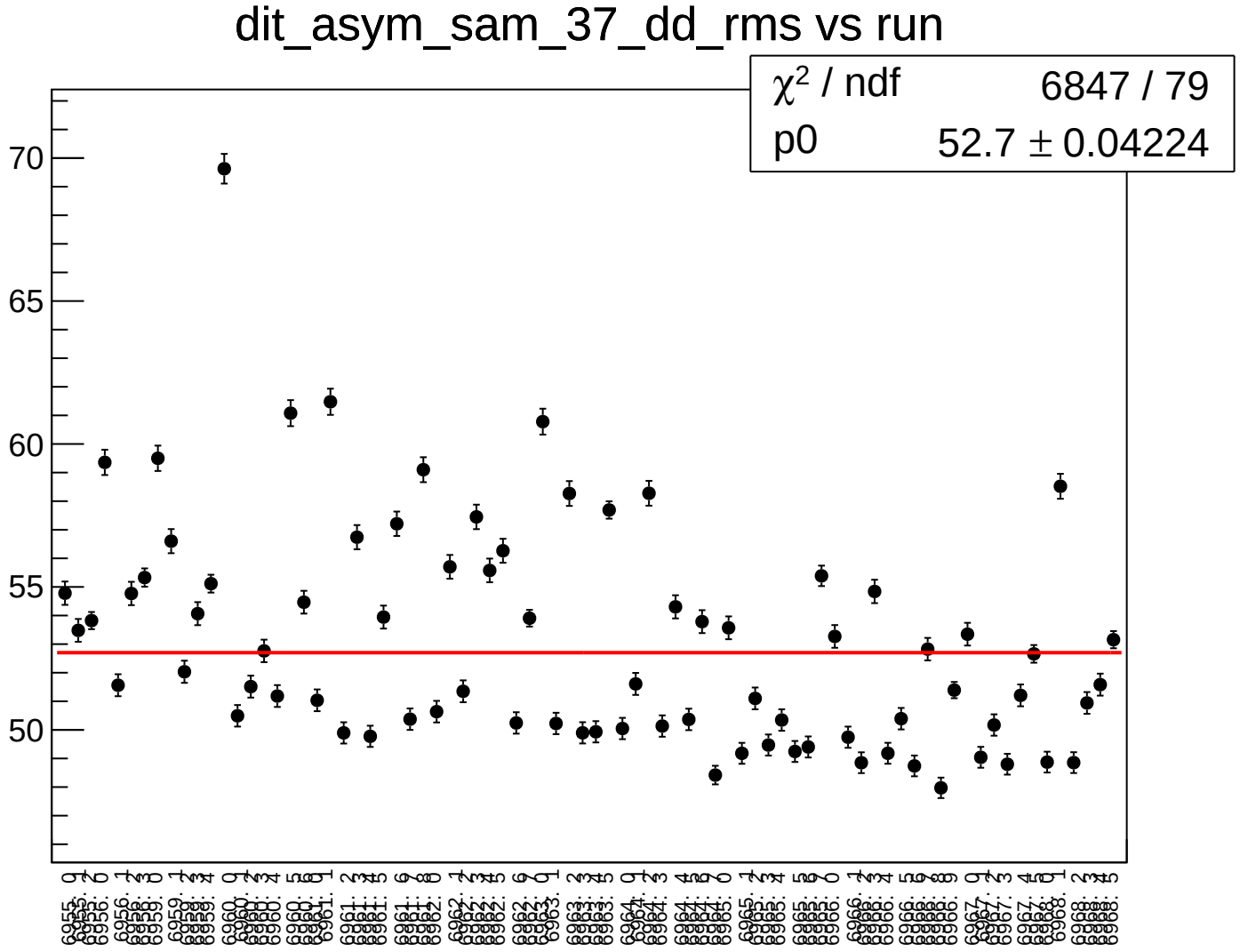
asym_sam_26_dd_correction_rms vs run

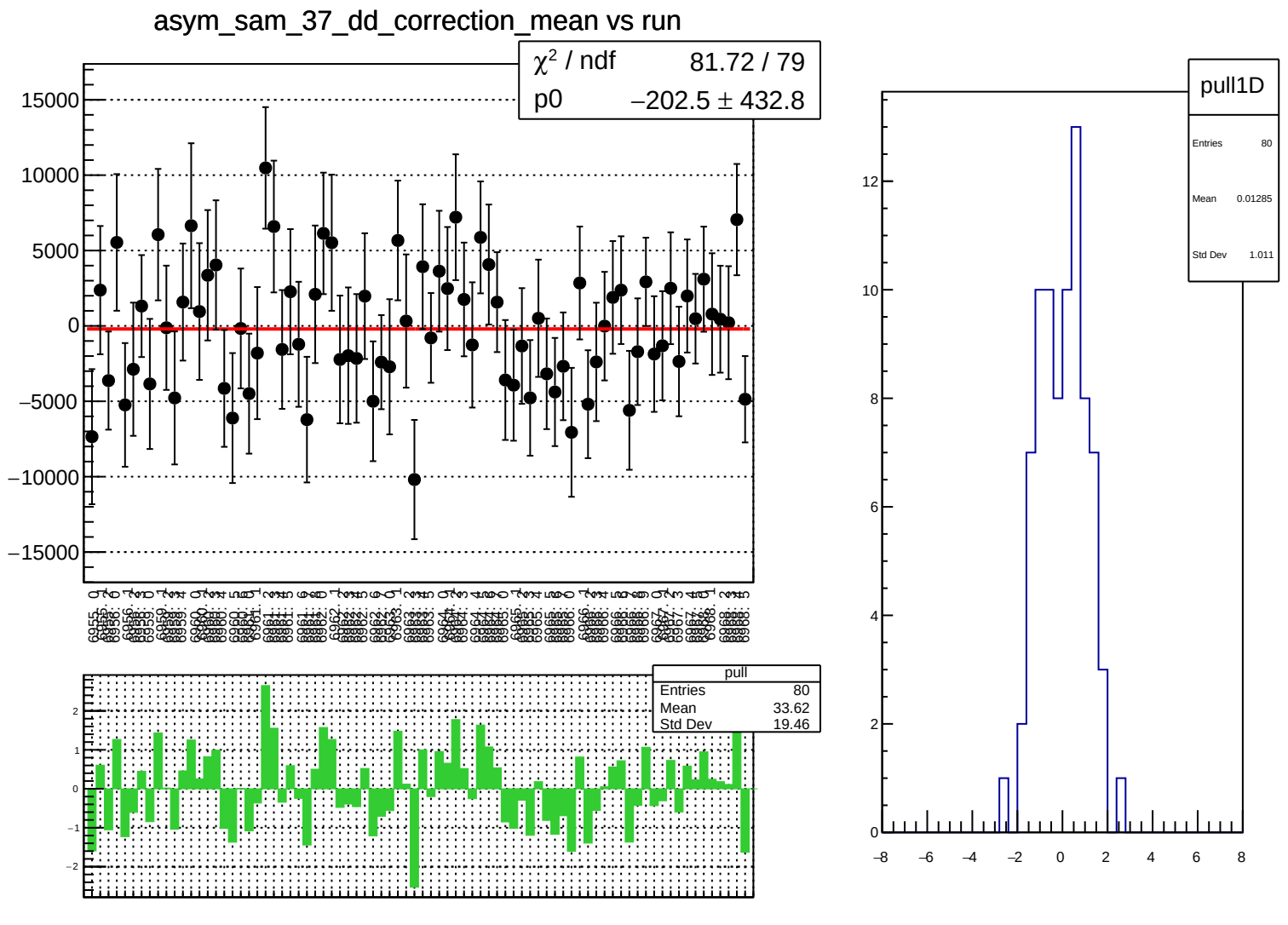



asym_sam_26_dd_mean vs run
χ² / ndf 96.02 / 79
p0 −626.2 ± 2003
pull
Entries 80
Mean −100.8
Std Dev 135.6
pull1D
Entries 80
Mean −0.01856
Std Dev 1.095

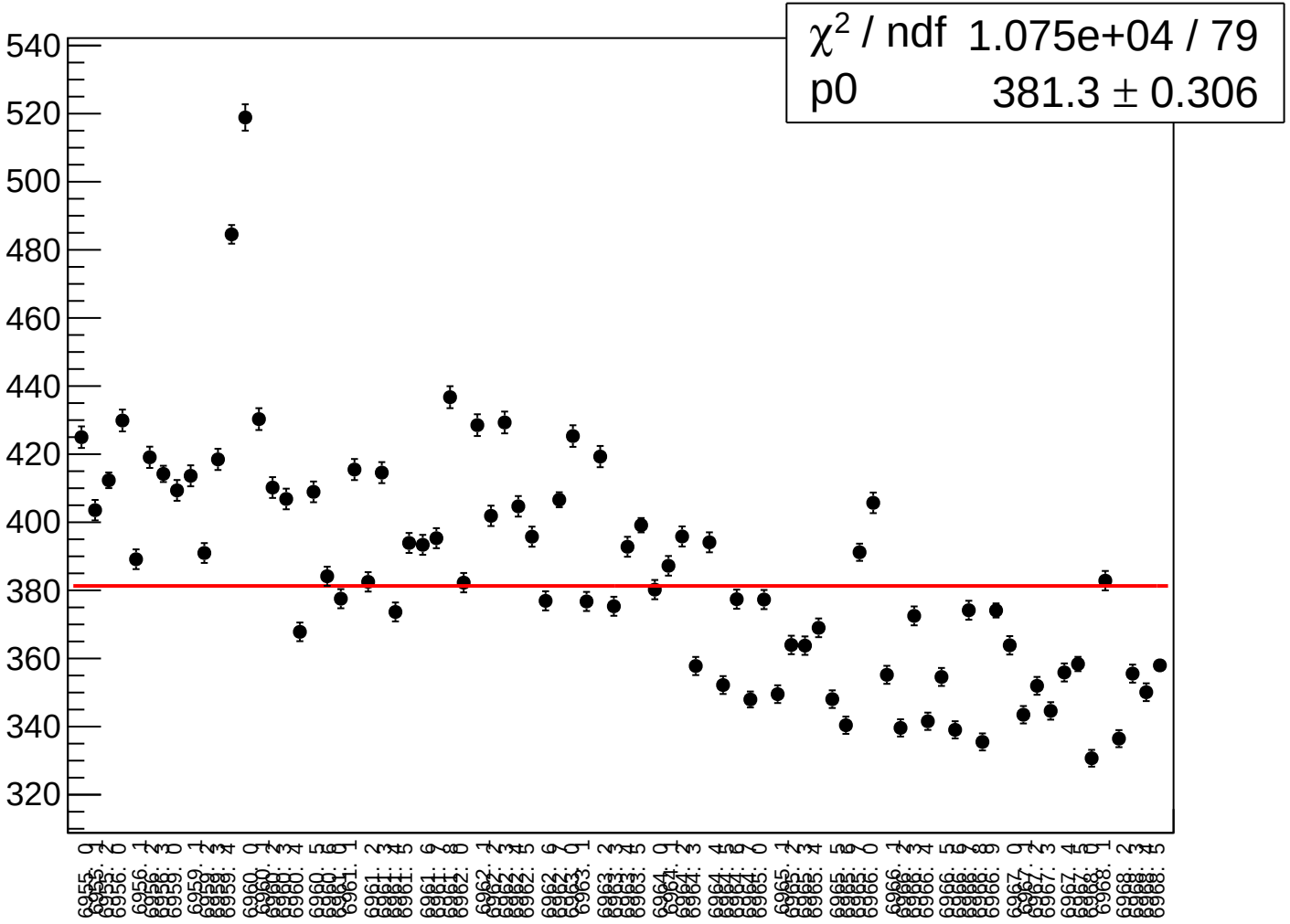

asym_sam_26_dd_rms vs run
χ² / ndf 4865 / 79
p0 1768 ± 1.416
2300
2200
2100
2000
1900
1800
1700
1600

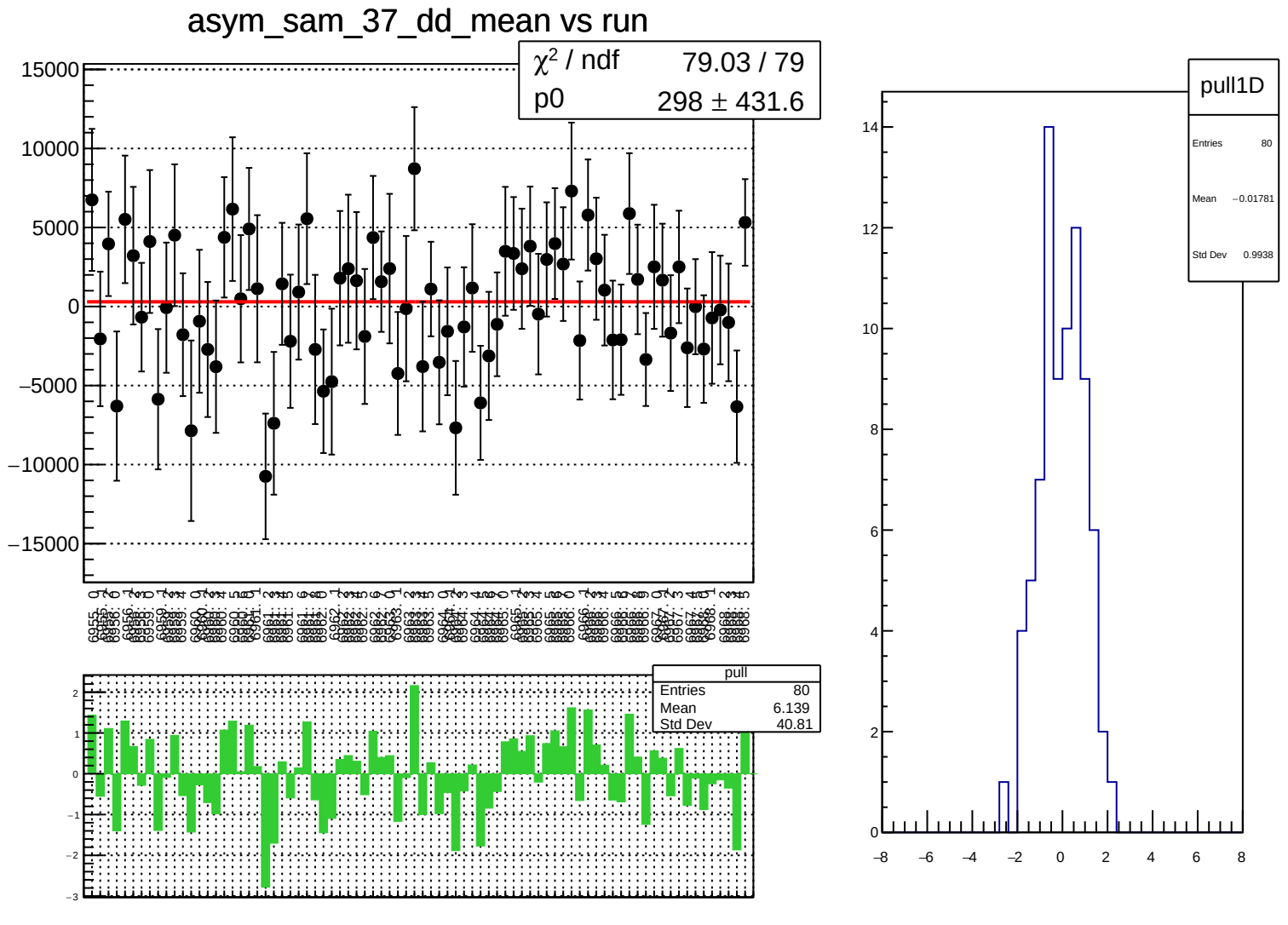

dit_asym_sam_37_dd_mean vs run
χ² / ndf 84.43 / 79
p0 71.62 ± 59.74
pull
Entries 80
Mean −258.6
Std Dev 304.1
pull1D
Entries 80
Mean −0.01248
Std Dev 1.027


dit_asym_sam_37_dd_rms vs run
χ² / ndf 6847 / 79
p0 52.7 ± 0.04224
70
65
60
55
50

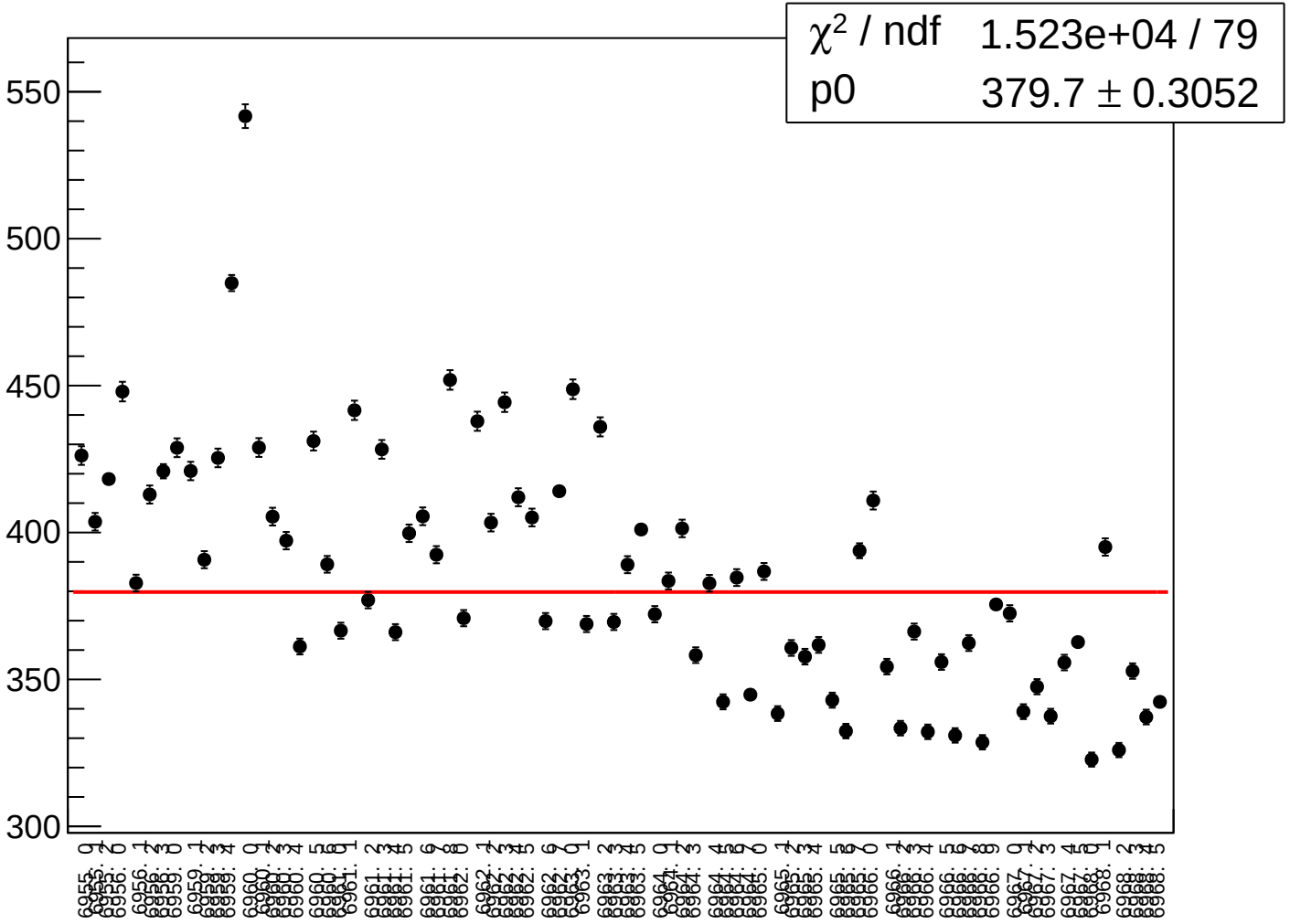

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.72 / 79
p0 −202.5 ± 432.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 33.62
Std Dev 19.46
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01285
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

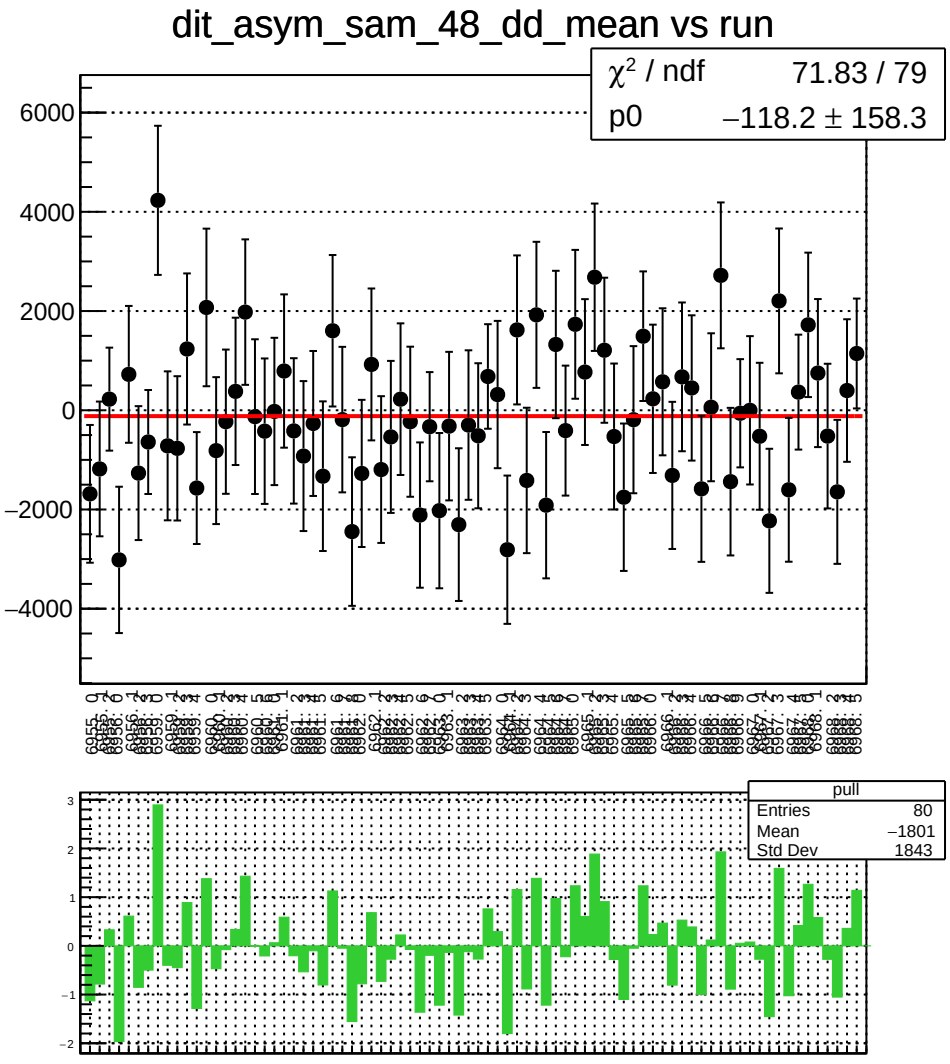
asym_sam_37_dd_correction_rms vs run

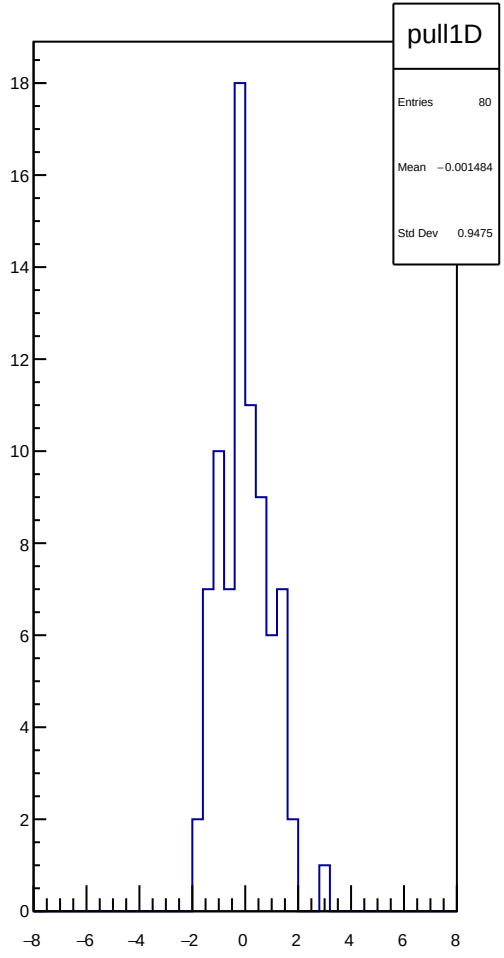



asym_sam_37_dd_mean vs run
χ² / ndf 79.03 / 79
p0 298 ± 431.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 6.139
Std Dev 40.81
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.01781
Std Dev 0.9938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

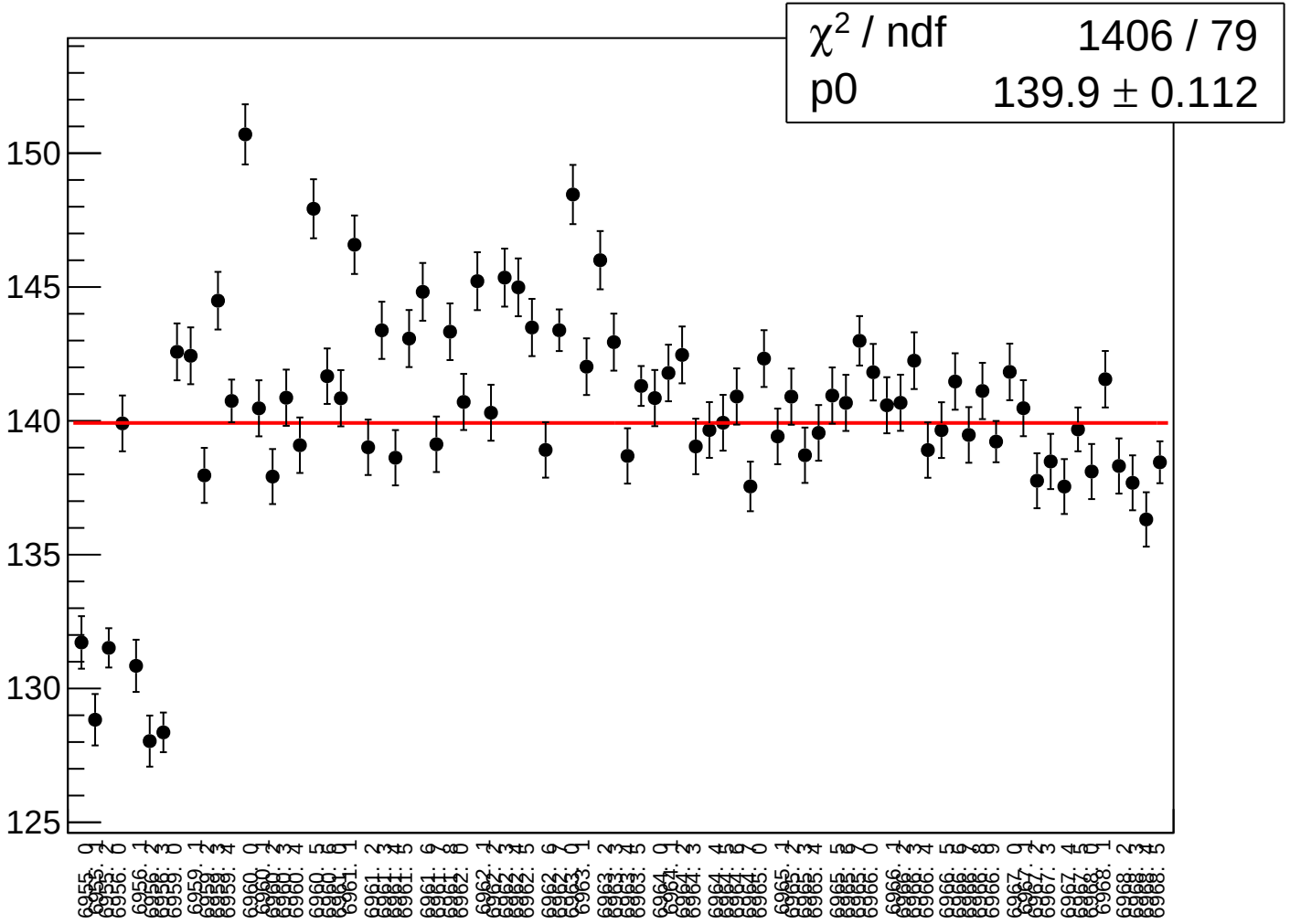
asym_sam_37_dd_rms vs run

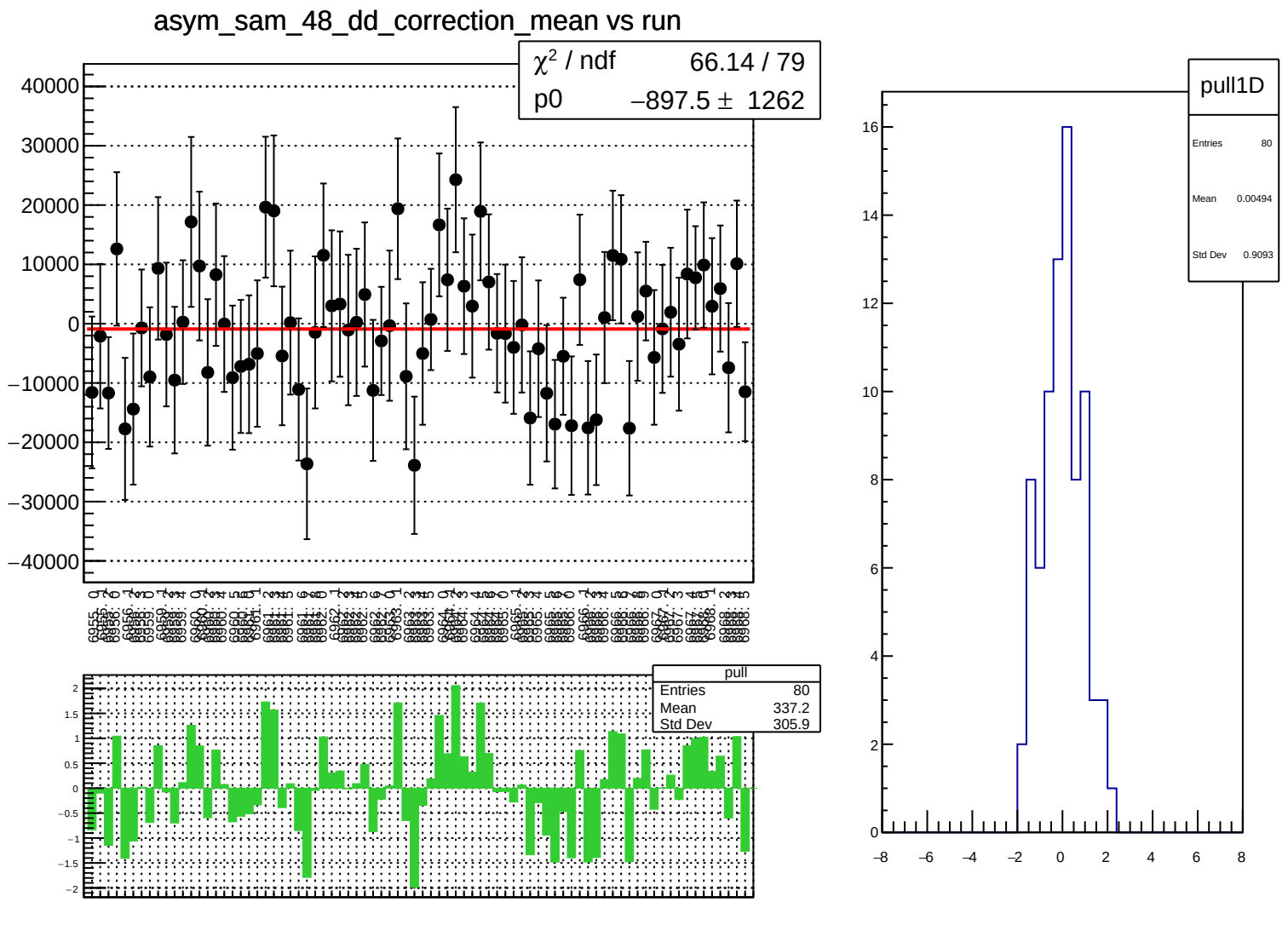


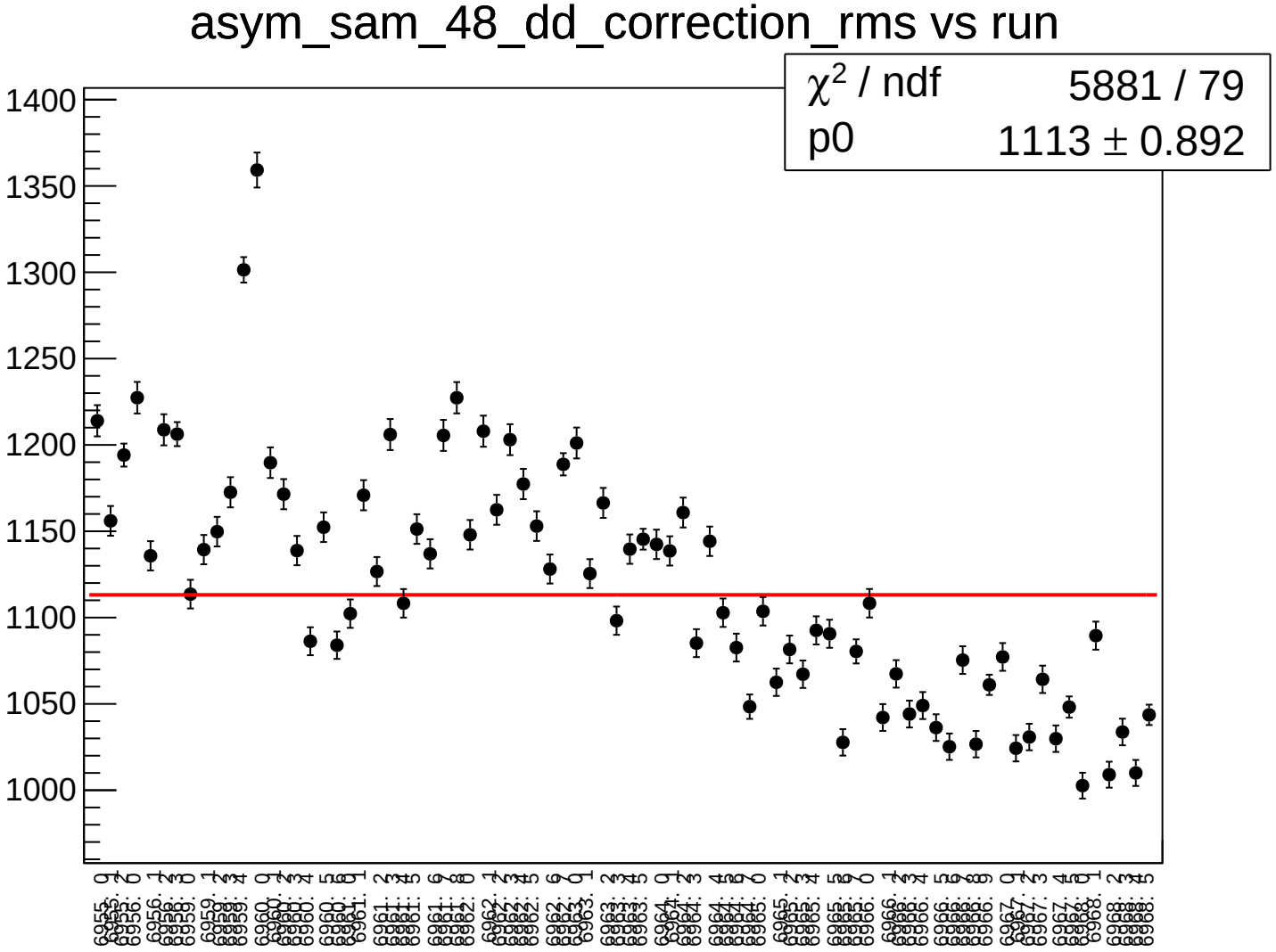

dit_asym_sam_48_dd_mean vs run
χ² / ndf 71.83 / 79
p0 −118.2 ± 158.3
6000
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −1801
Std Dev 1843
3
2
1
0
−1
−2

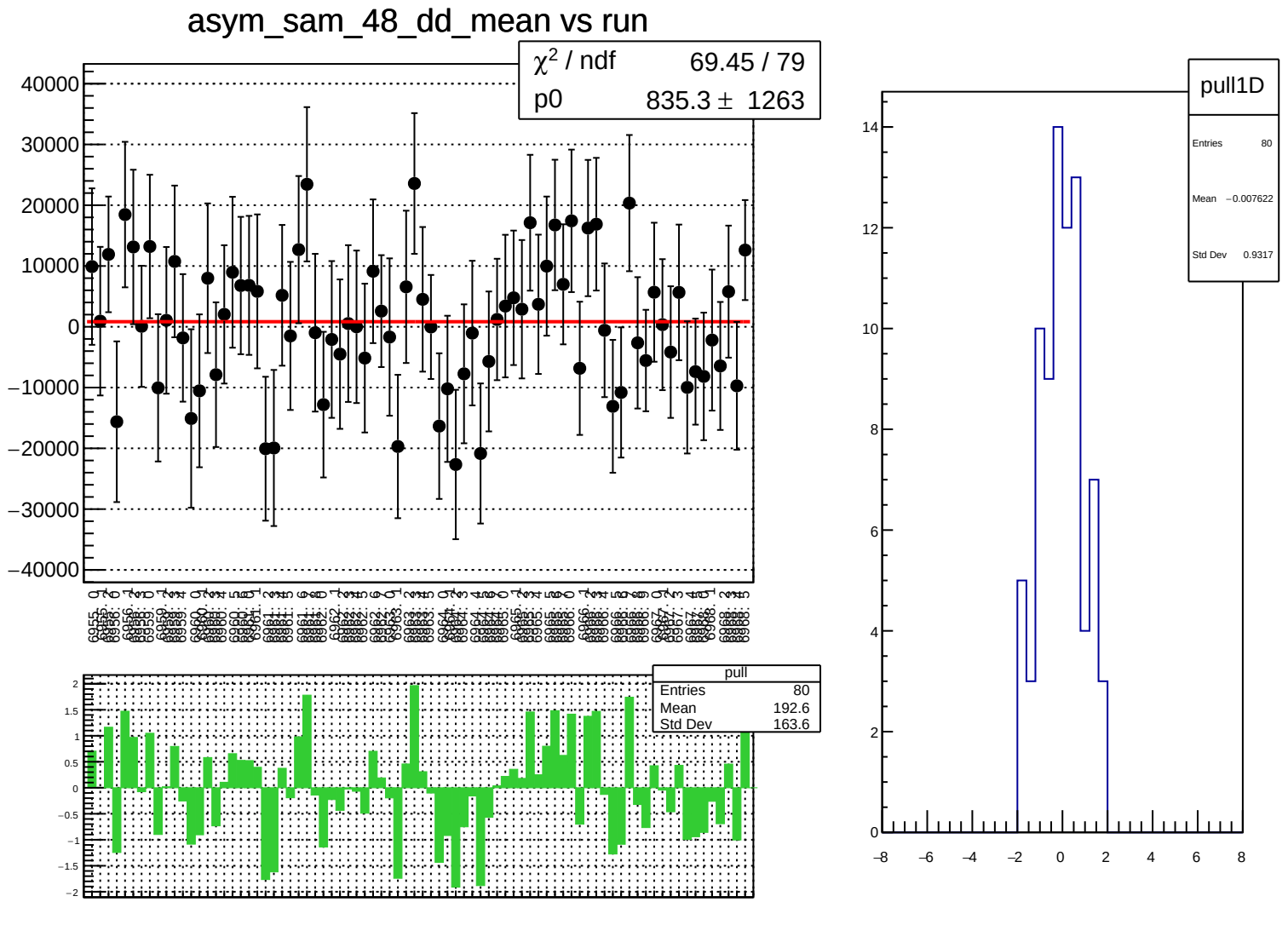

pull1D
Entries 80
Mean −0.001484
Std Dev 0.9475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

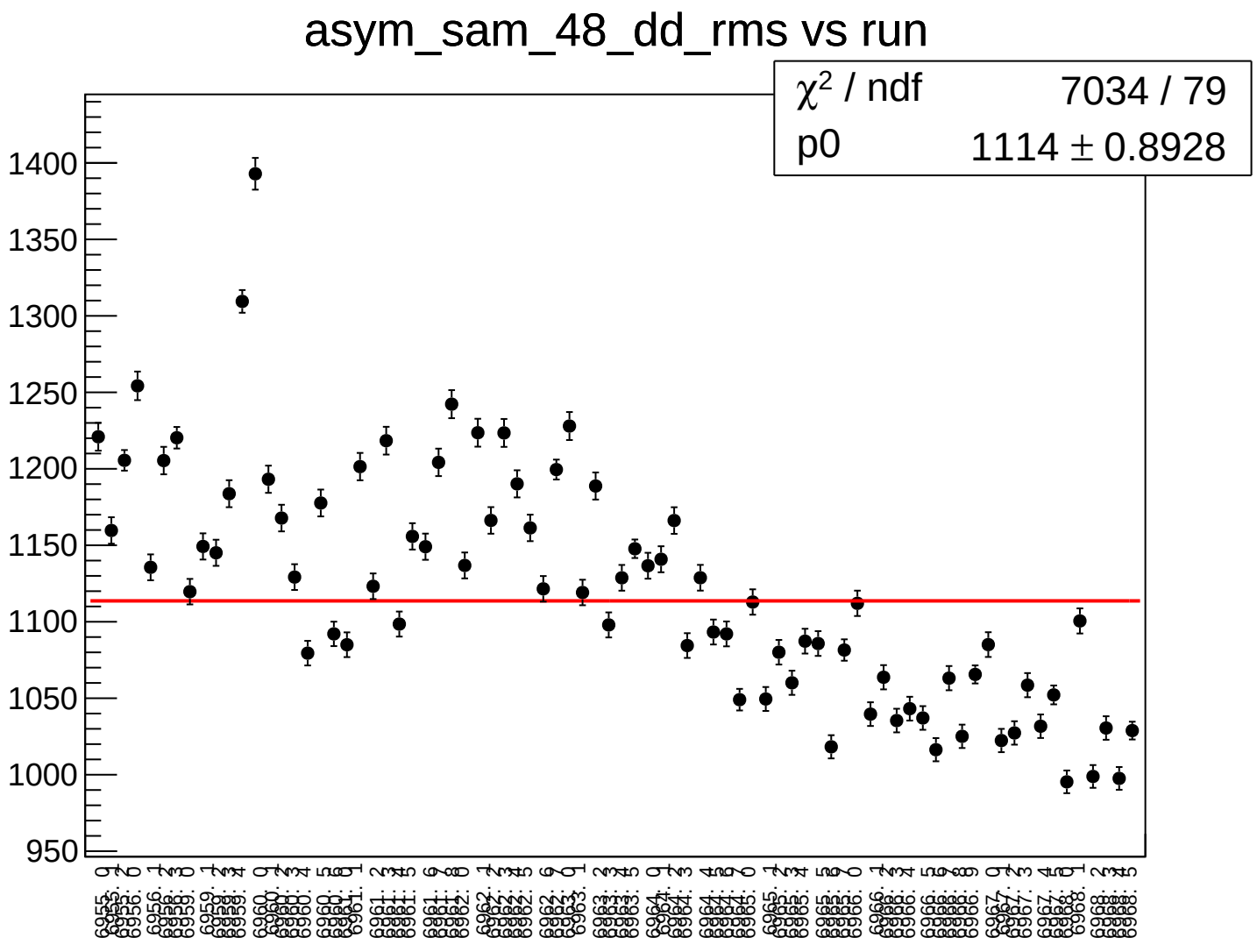
dit_asym_sam_48_dd_rms vs run

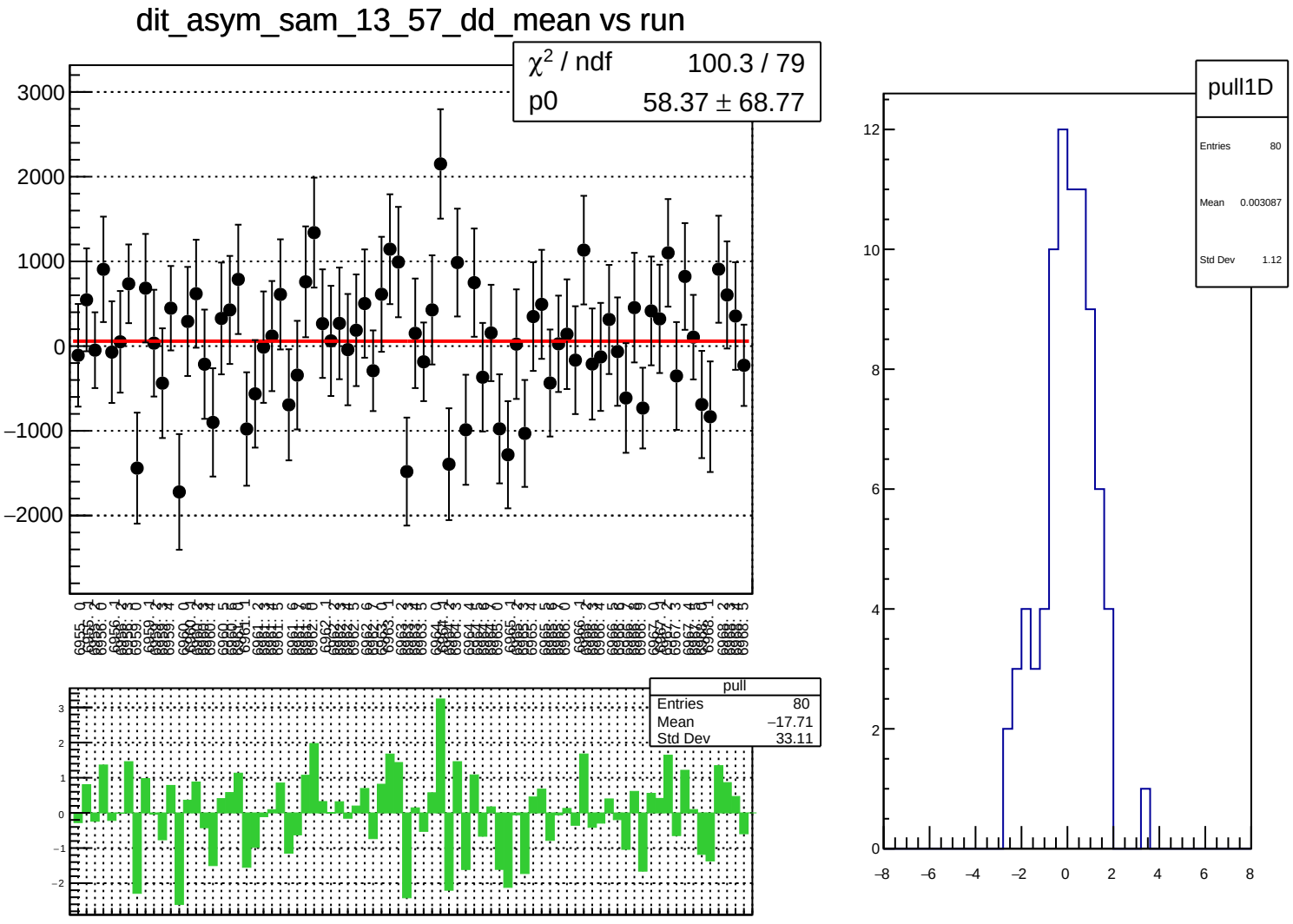



asym_sam_48_dd_correction_mean vs run
χ² / ndf 66.14 / 79
p0 −897.5 ± 1262
pull
Entries 80
Mean 337.2
Std Dev 305.9
pull1D
Entries 80
Mean 0.00494
Std Dev 0.9093

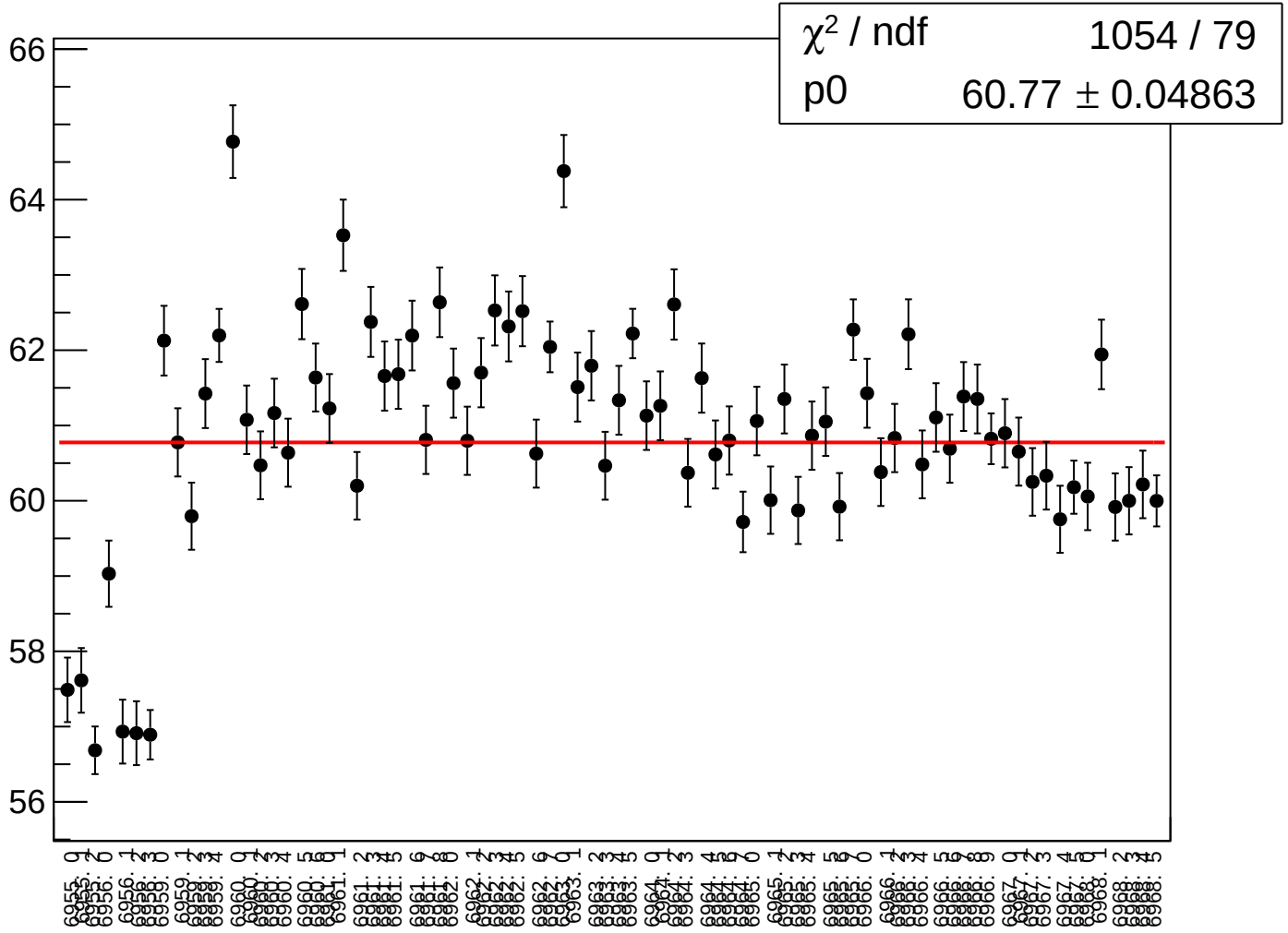

asym_sam_48_dd_correction_rms vs run
χ² / ndf 5881 / 79
p0 1113 ± 0.892
1400
1350
1300
1250
1200
1150
1100
1050
1000

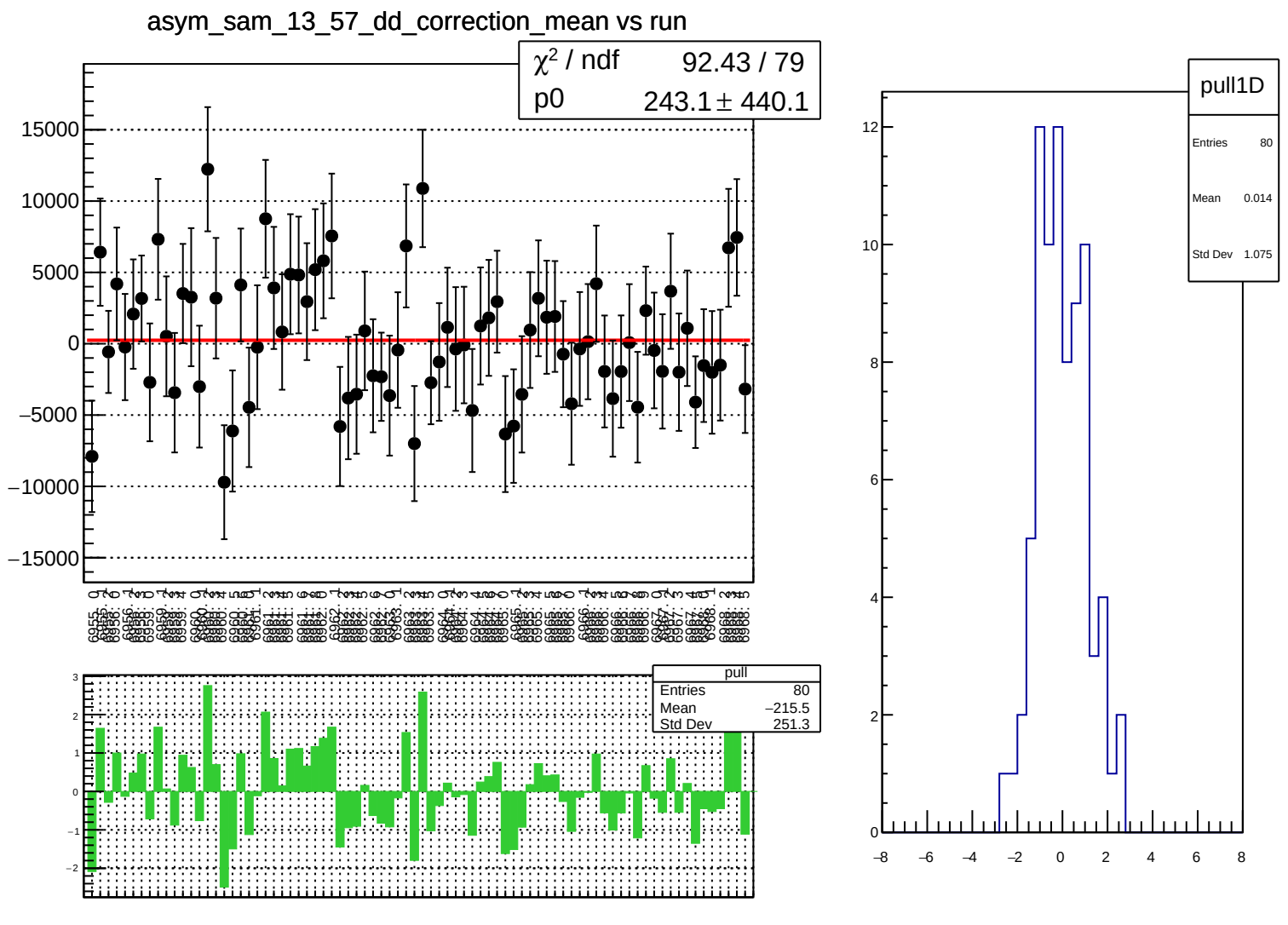

asym_sam_48_dd_mean vs run
χ² / ndf 69.45 / 79
p0 835.3 ± 1263
pull
Entries 80
Mean 192.6
Std Dev 163.6
pull1D
Entries 80
Mean −0.007622
Std Dev 0.9317


asym_sam_48_dd_rms vs run
χ² / ndf 7034 / 79
p0 1114 ± 0.8928
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

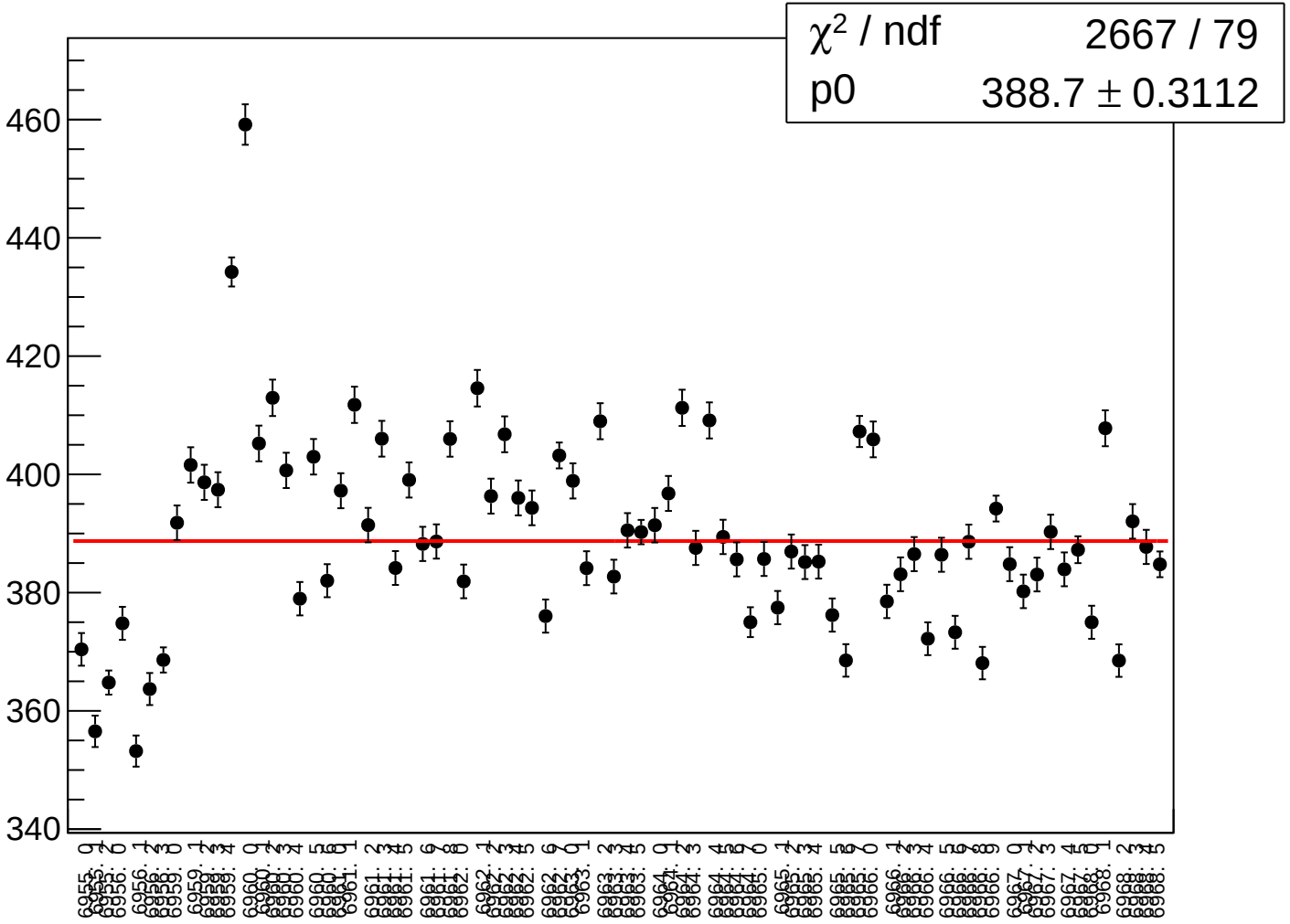

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 100.3 / 79
p0 58.37 ± 68.77
pull
Entries 80
Mean −17.71
Std Dev 33.11
pull1D
Entries 80
Mean 0.003087
Std Dev 1.12

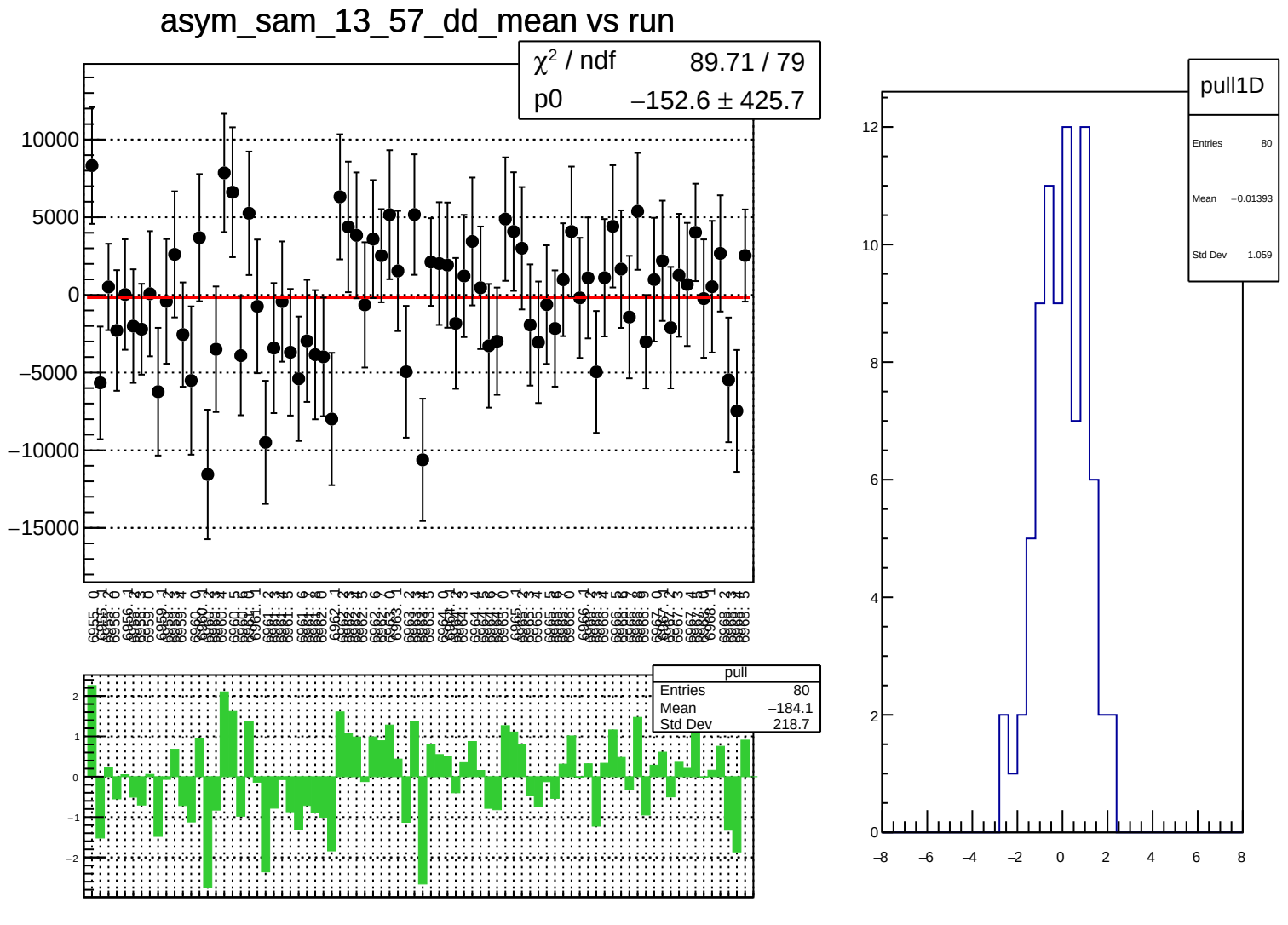
dit_asym_sam_13_57_dd_rms vs run



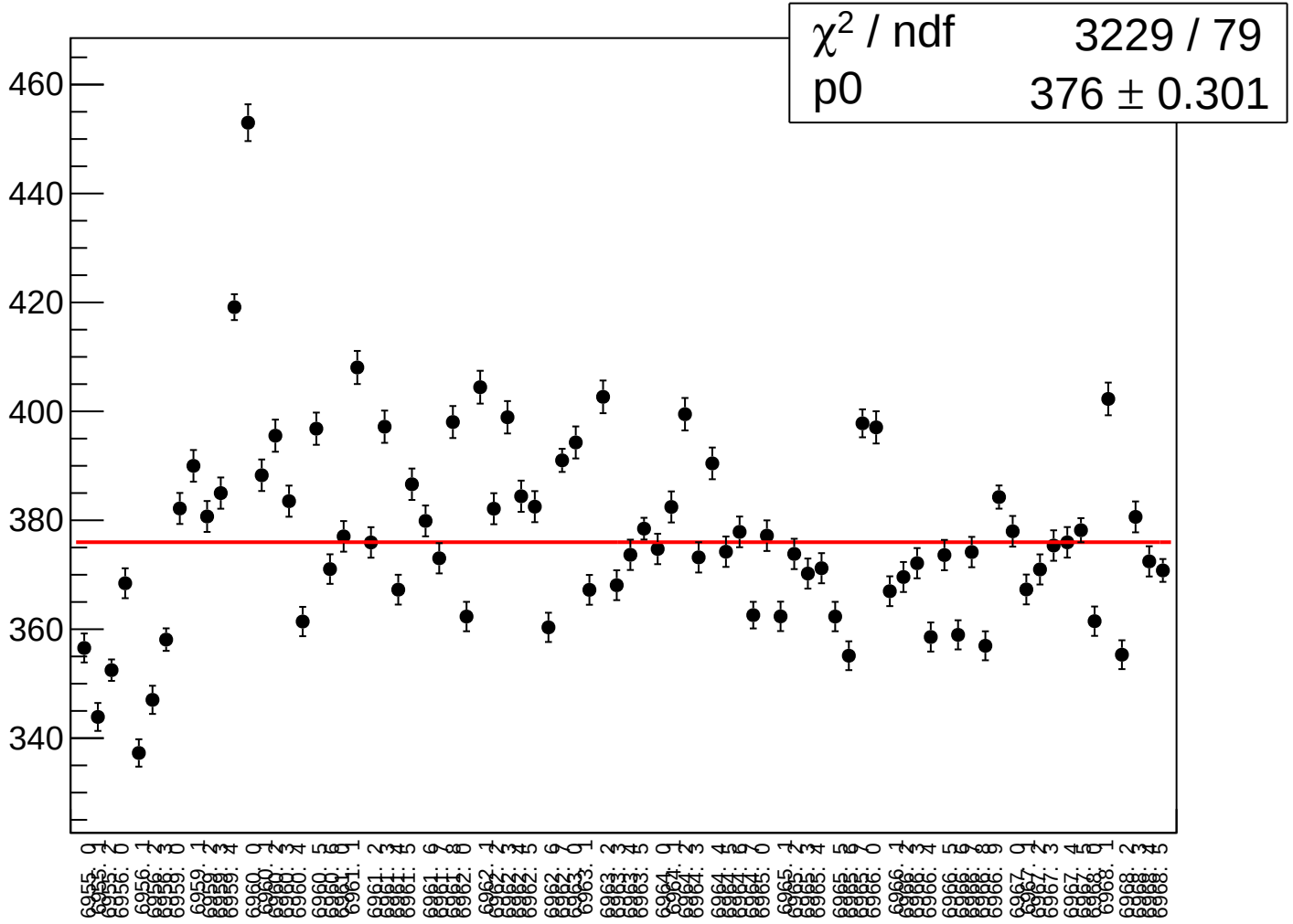

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 92.43 / 79
p0 243.1 ± 440.1
pull
Entries 80
Mean −215.5
Std Dev 251.3
pull1D
Entries 80
Mean 0.014
Std Dev 1.075

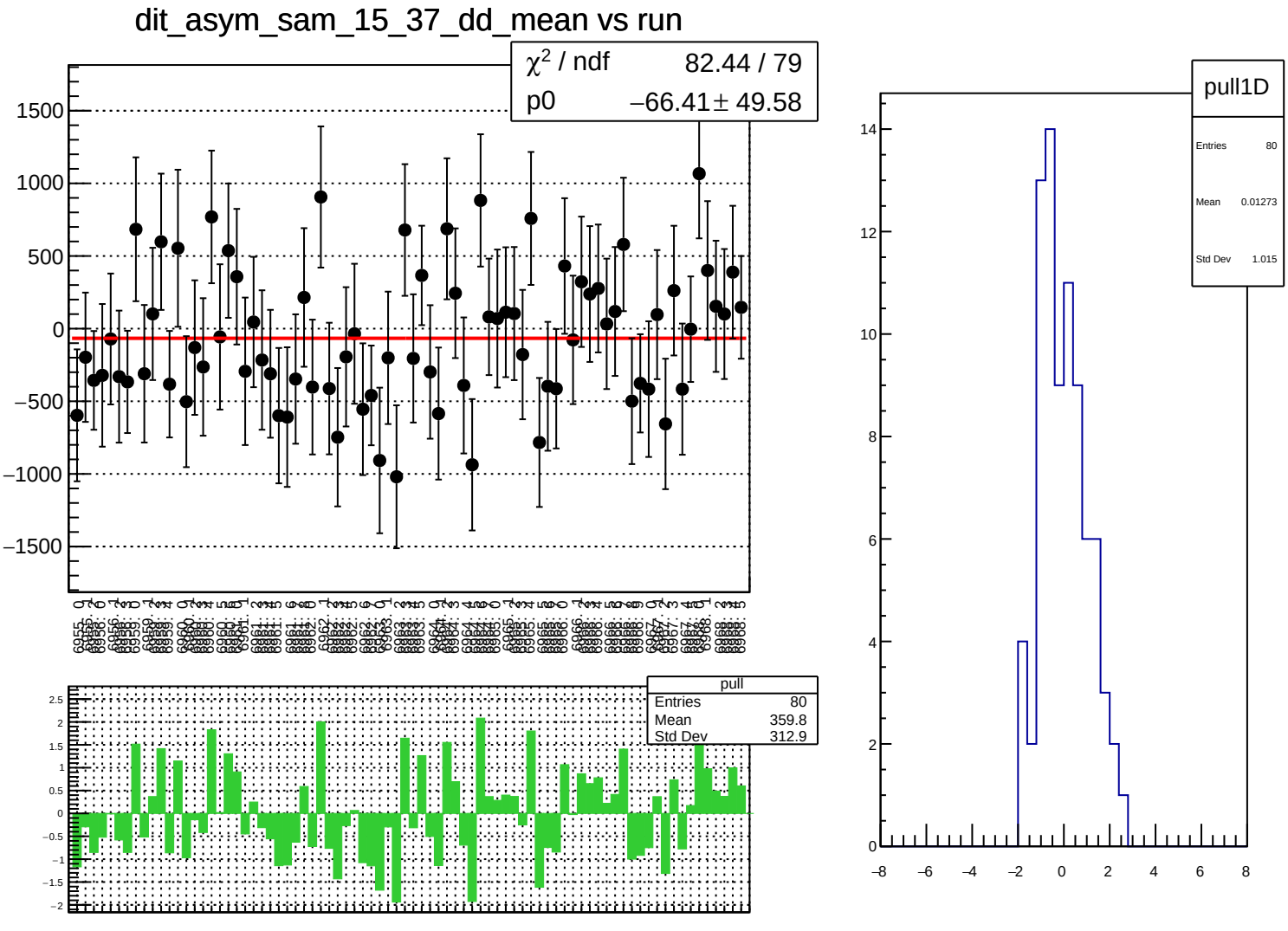
asym_sam_13_57_dd_correction_rms vs run



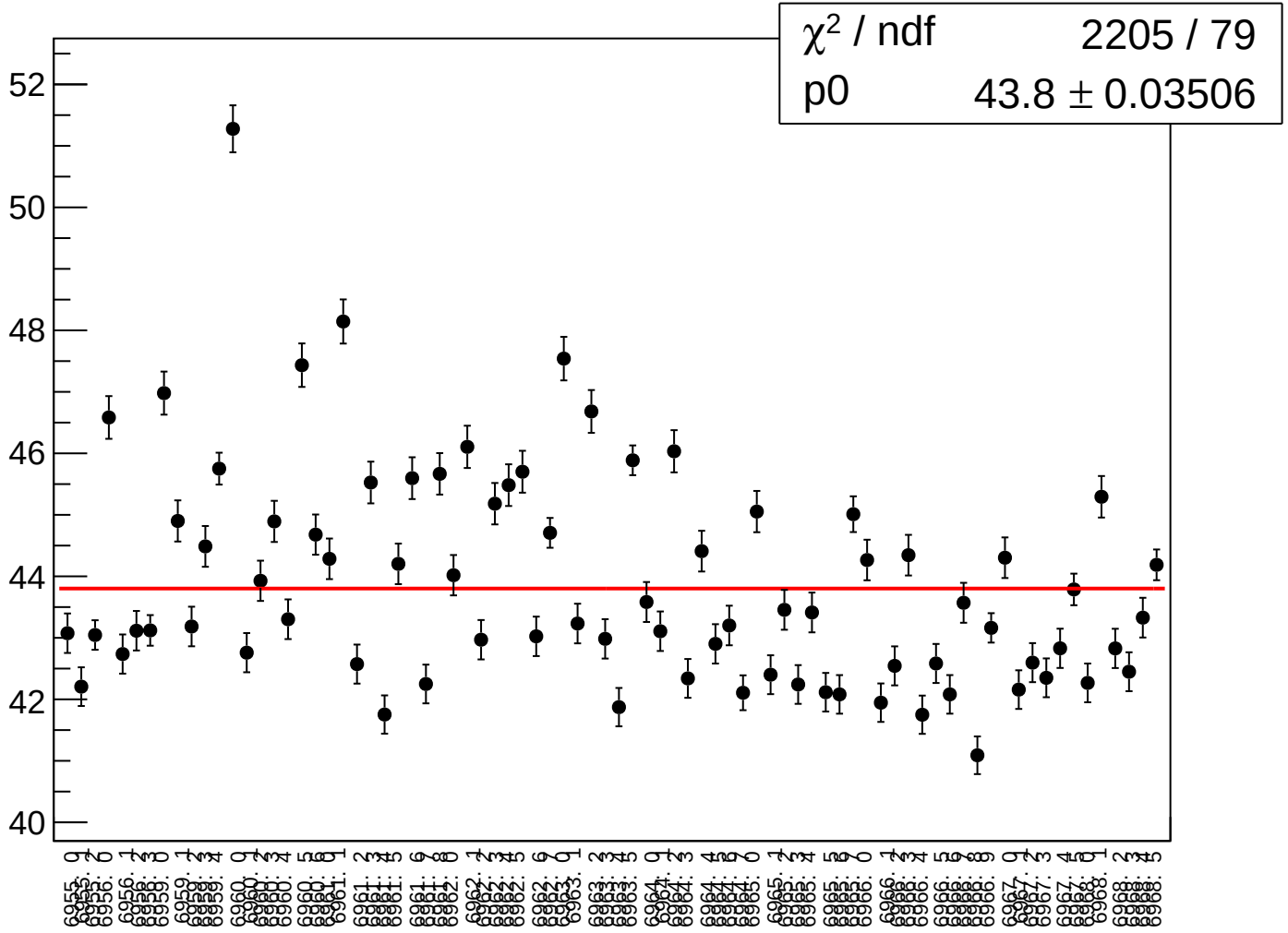

asym_sam_13_57_dd_mean vs run
χ² / ndf 89.71 / 79
p0 −152.6 ± 425.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −184.1
Std Dev 218.7
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01393
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

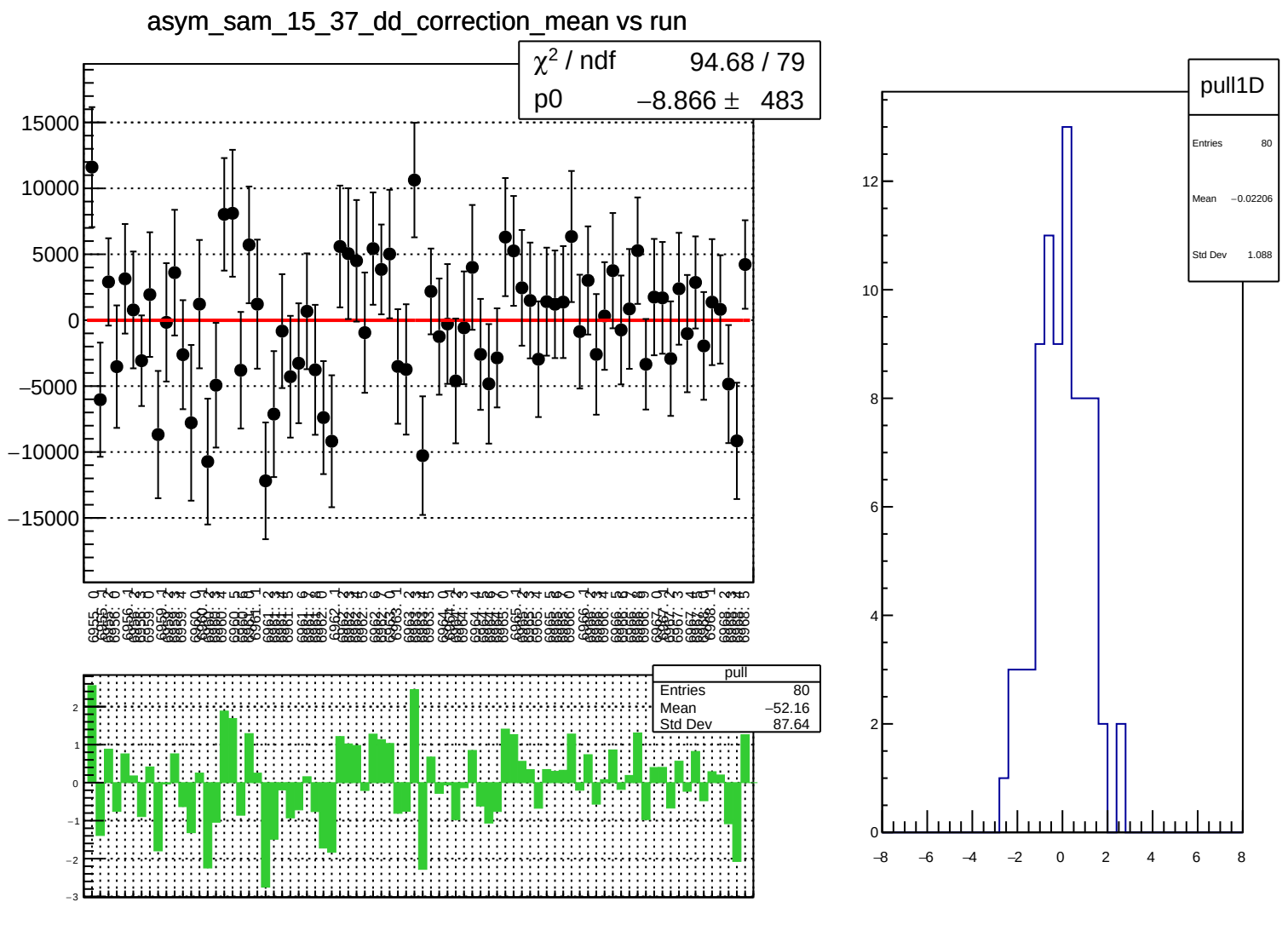
asym_sam_13_57_dd_rms vs run

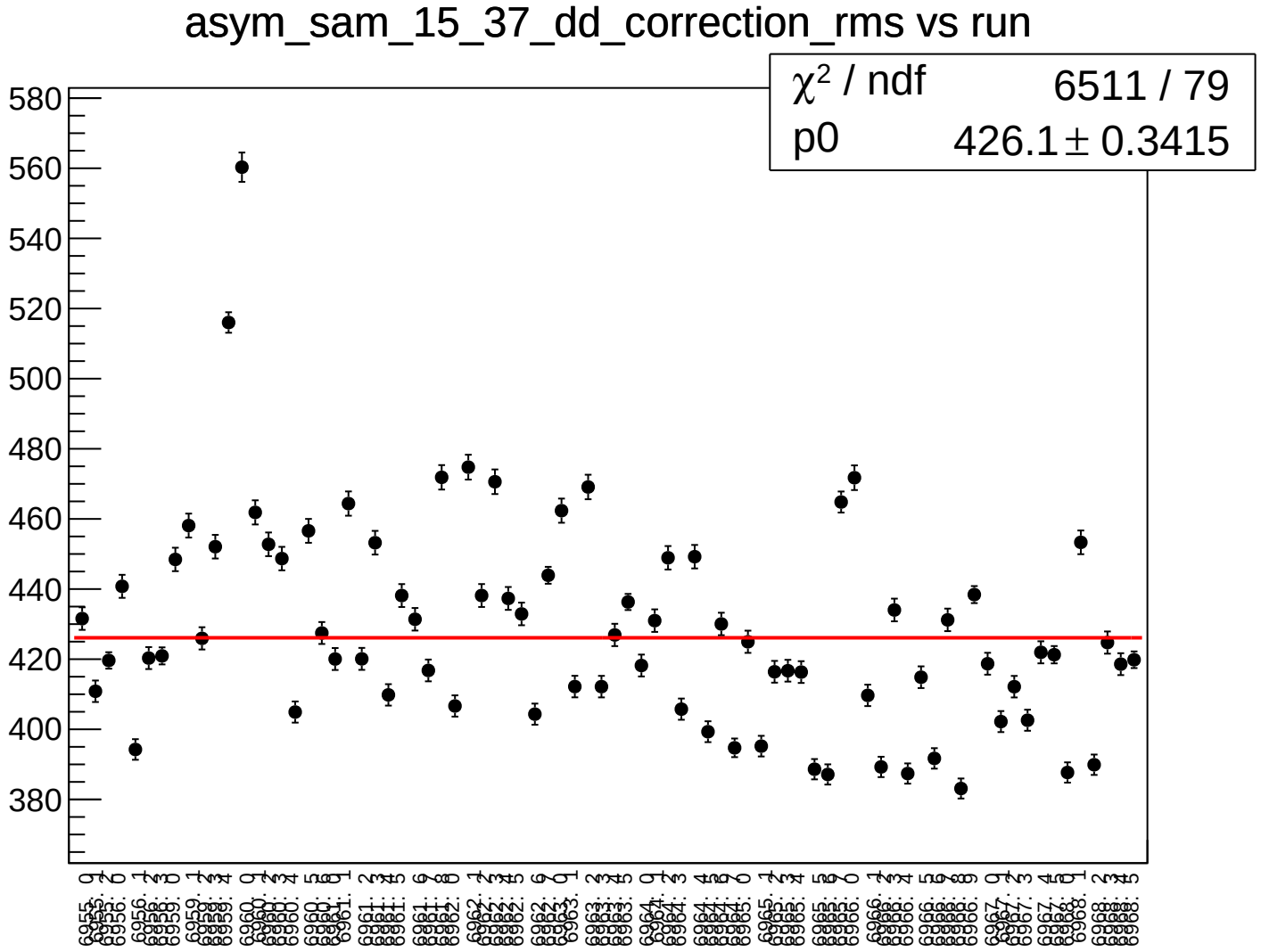


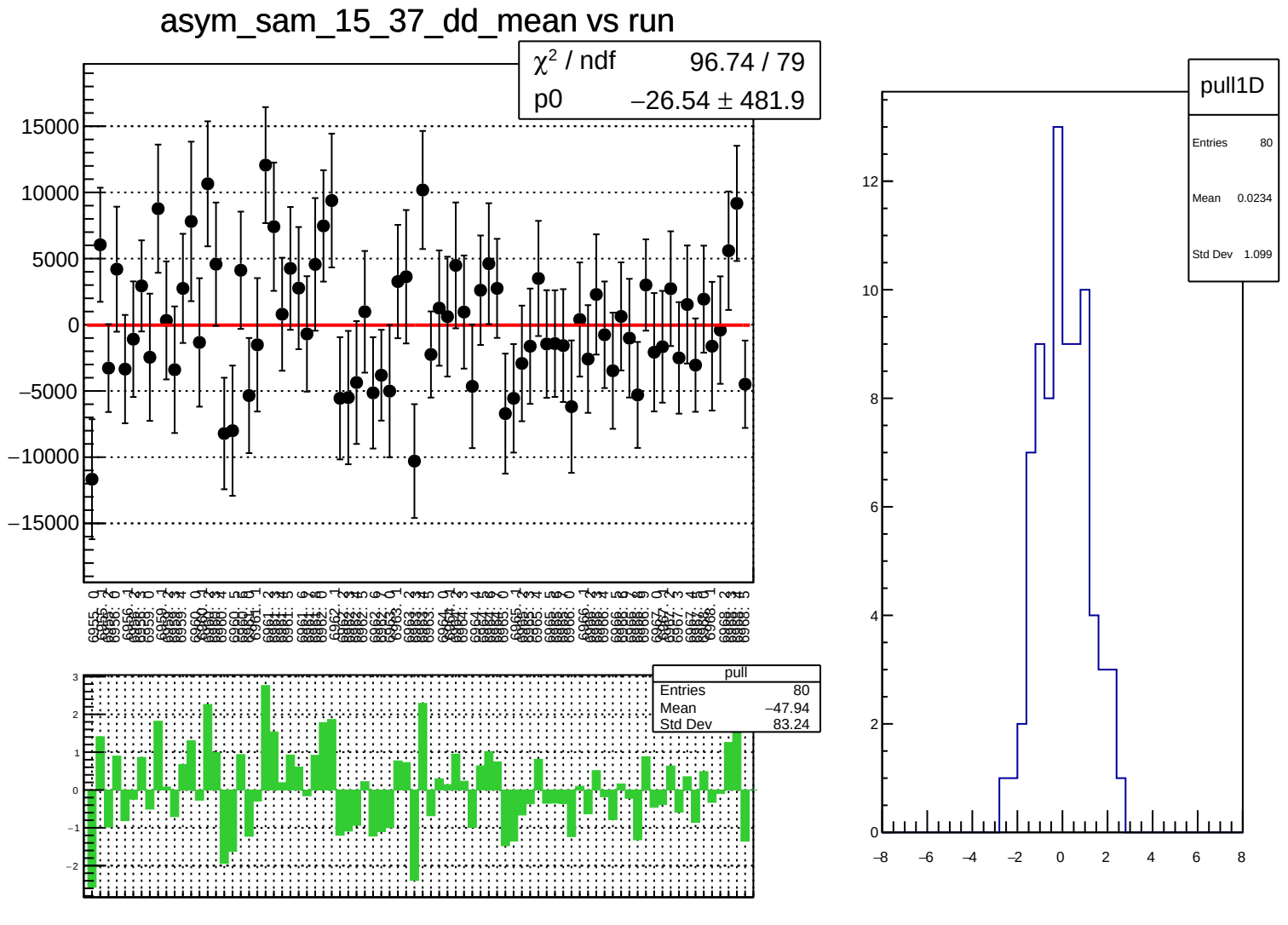

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 82.44 / 79
p0 −66.41 ± 49.58
pull
Entries 80
Mean 359.8
Std Dev 312.9
pull1D
Entries 80
Mean 0.01273
Std Dev 1.015

dit_asym_sam_15_37_dd_rms vs run

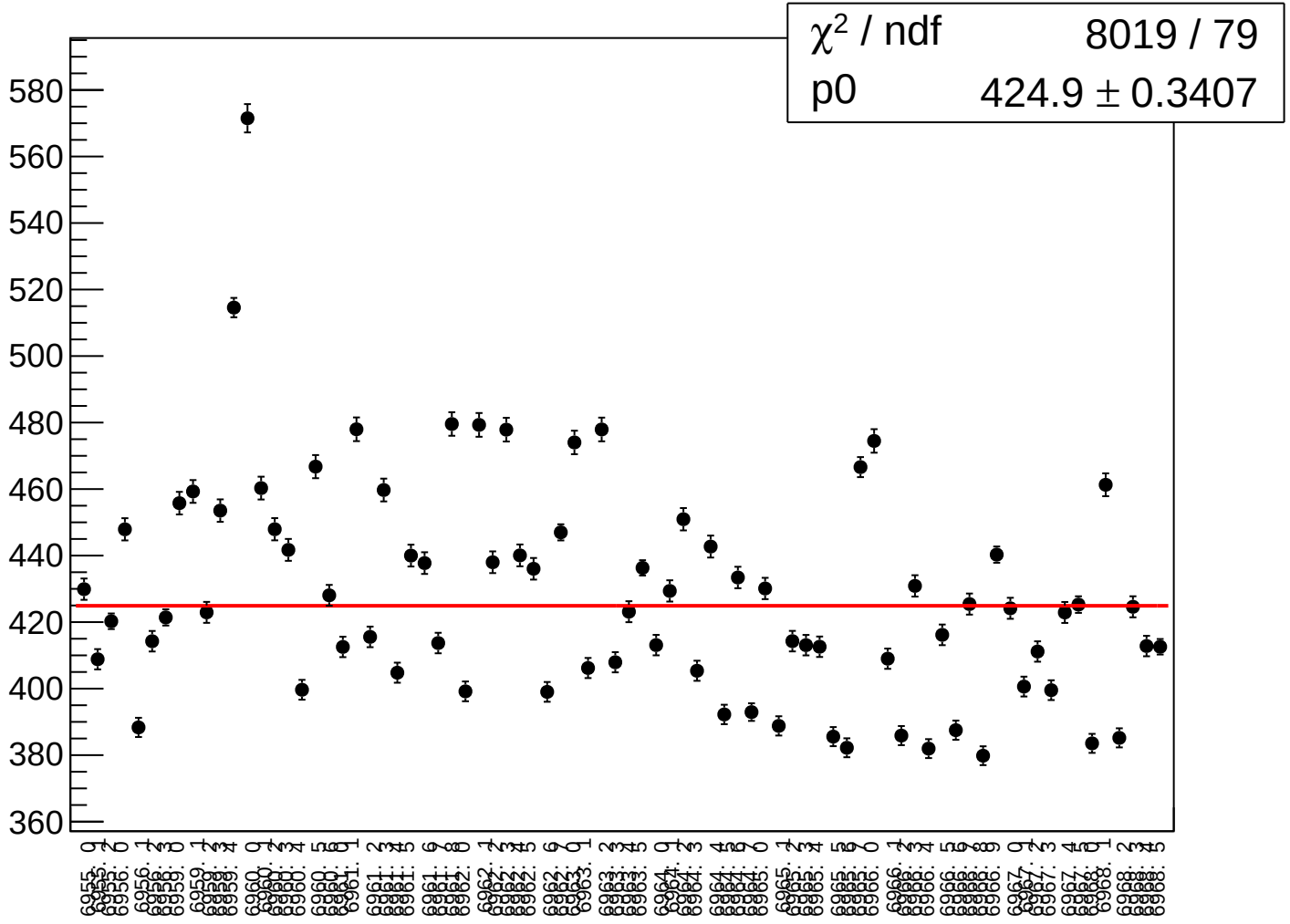


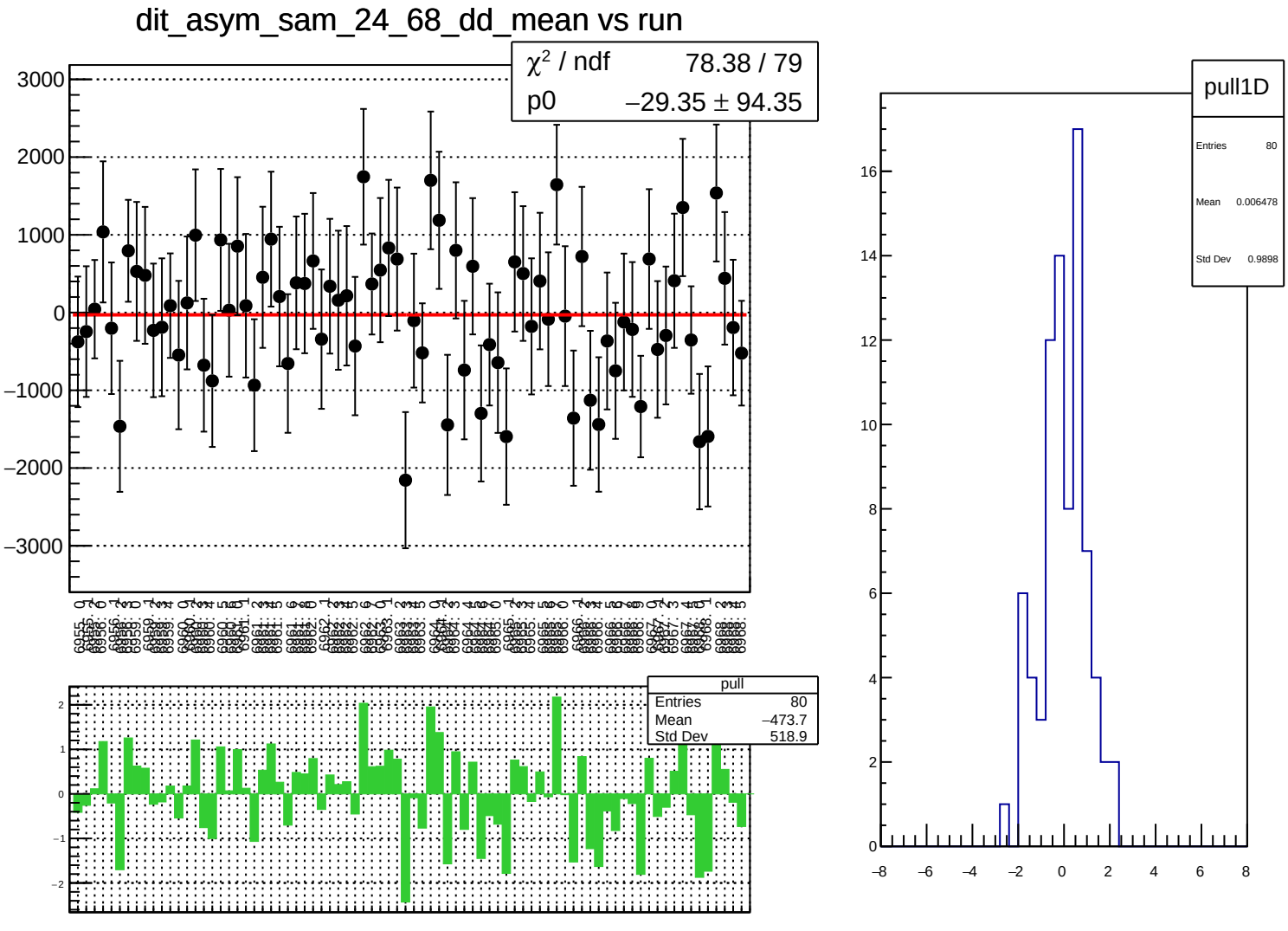

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 94.68 / 79
p0 −8.866 ± 483
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −52.16
Std Dev 87.64
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.02206
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 6511 / 79
p0 426.1 ± 0.3415
580
560
540
520
500
480
460
440
420
400
380

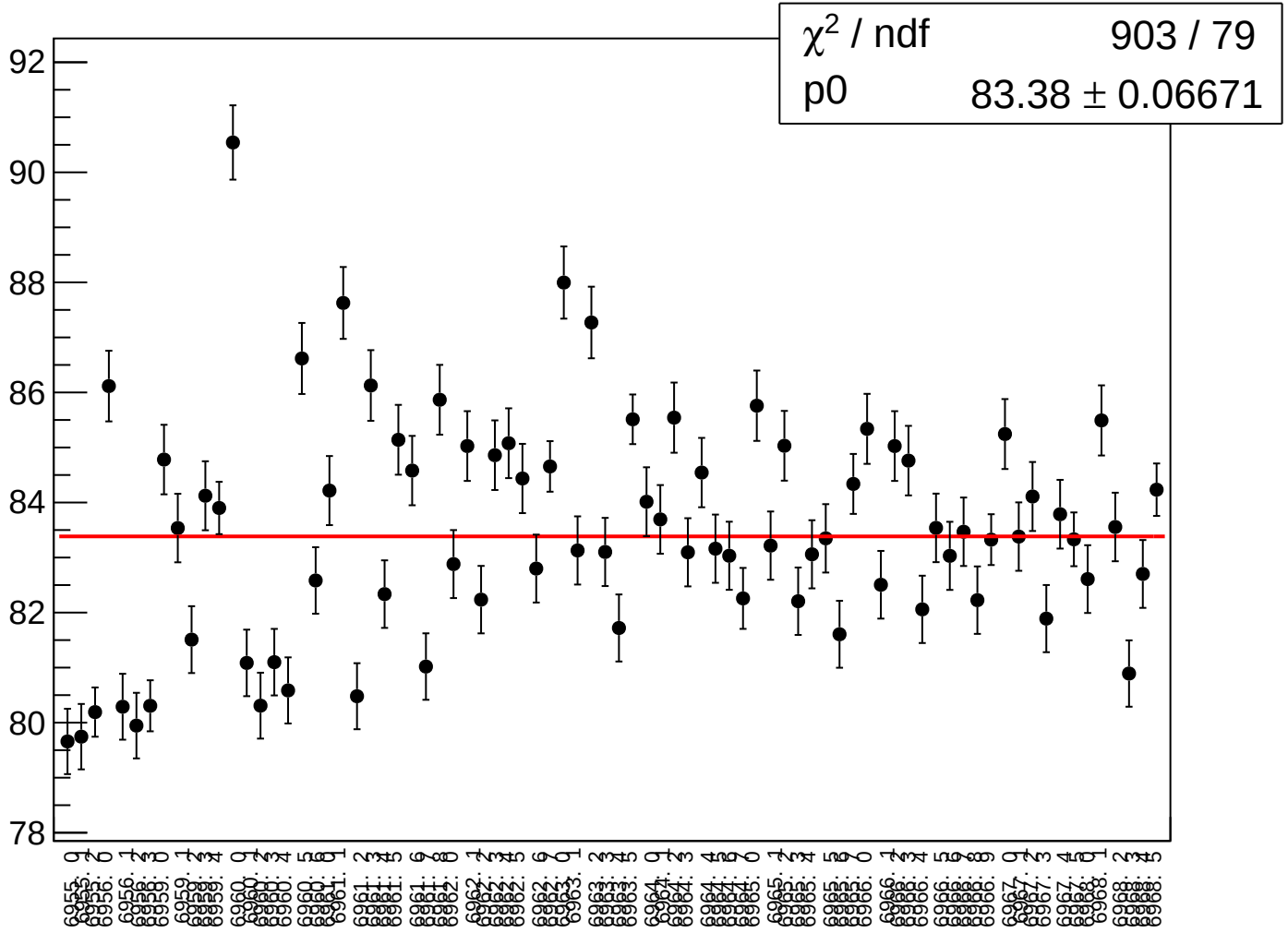

asym_sam_15_37_dd_mean vs run
χ² / ndf 96.74 / 79
p0 −26.54 ± 481.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −47.94
Std Dev 83.24
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.0234
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

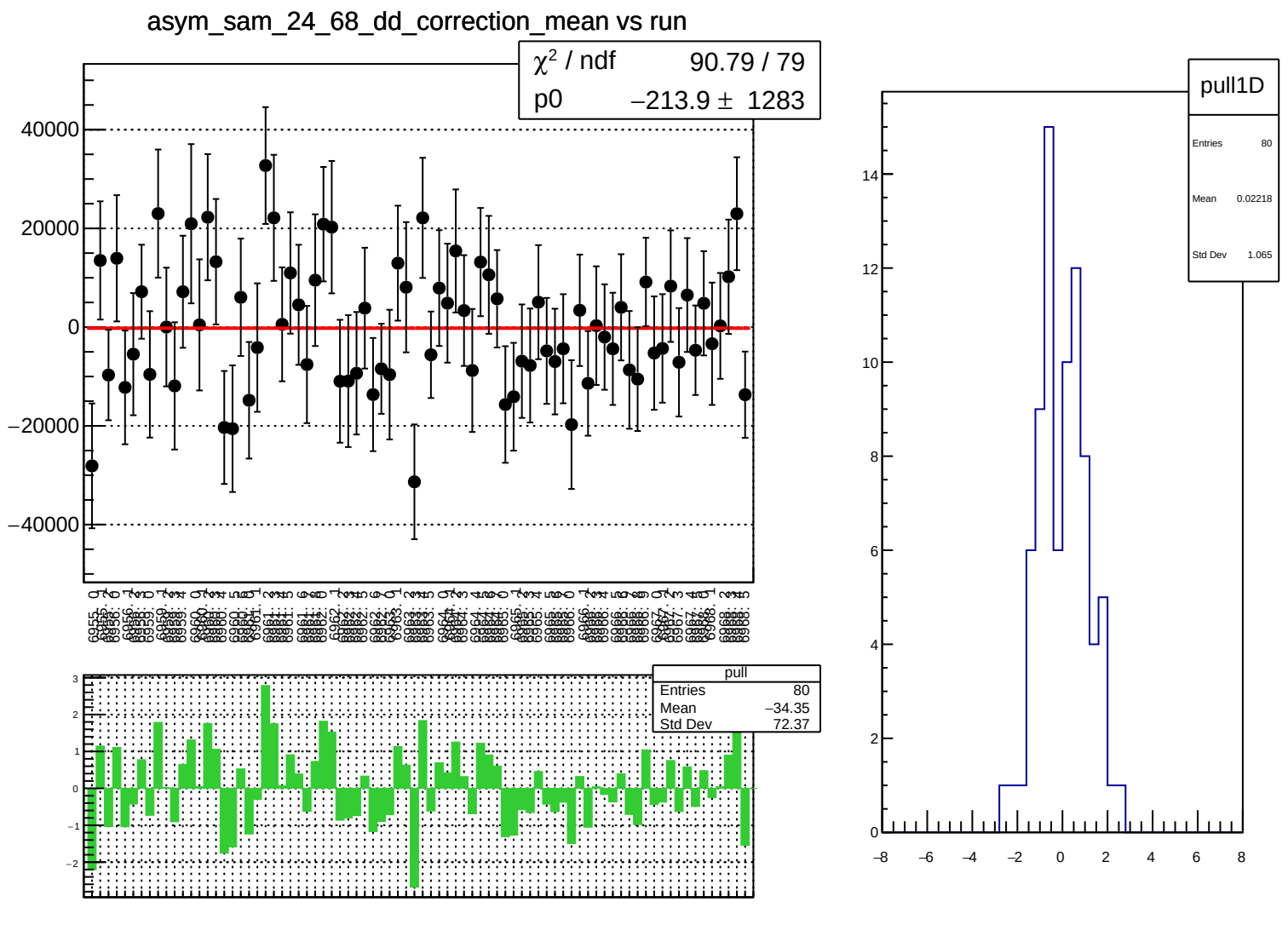
asym_sam_15_37_dd_rms vs run

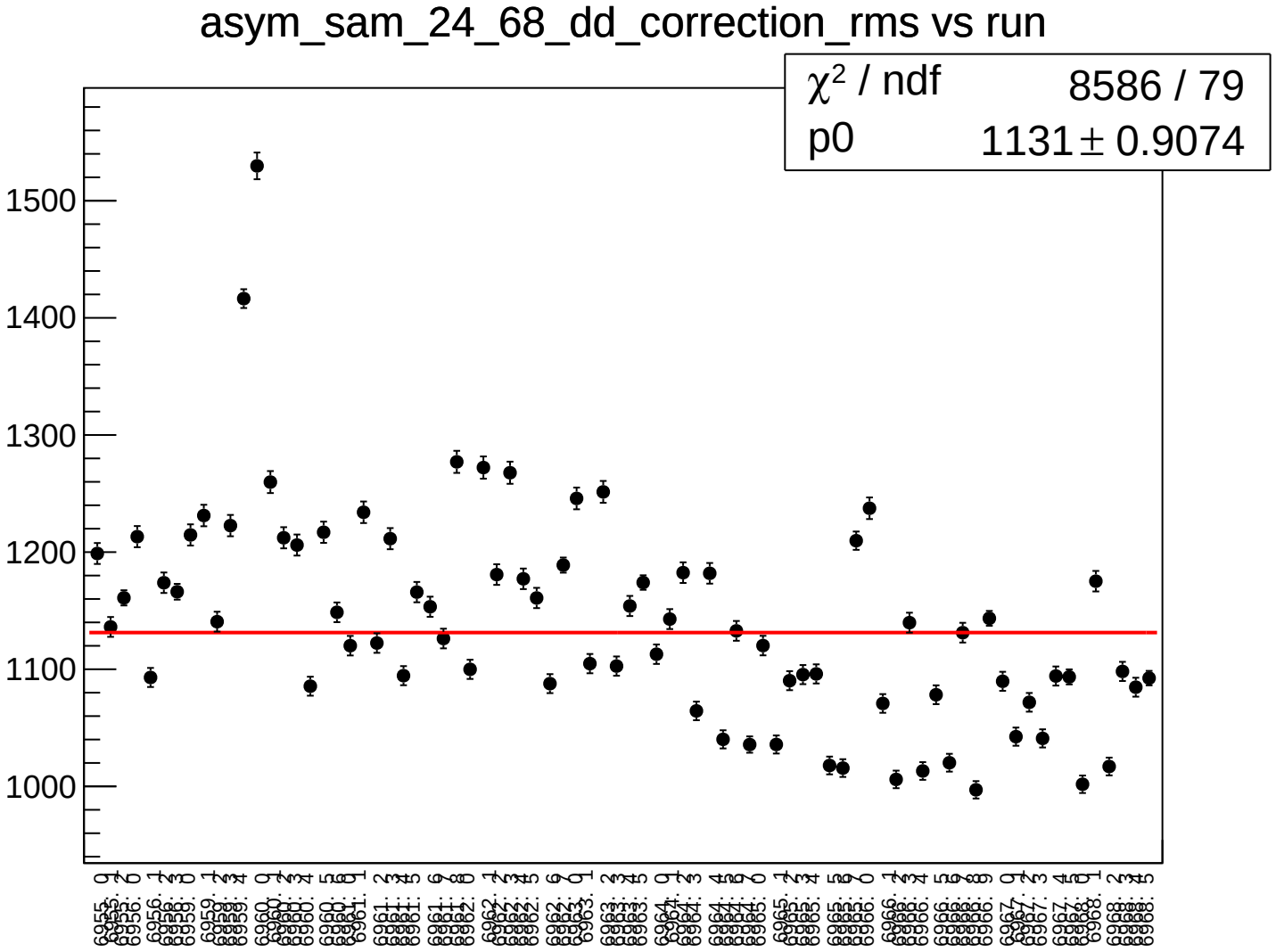


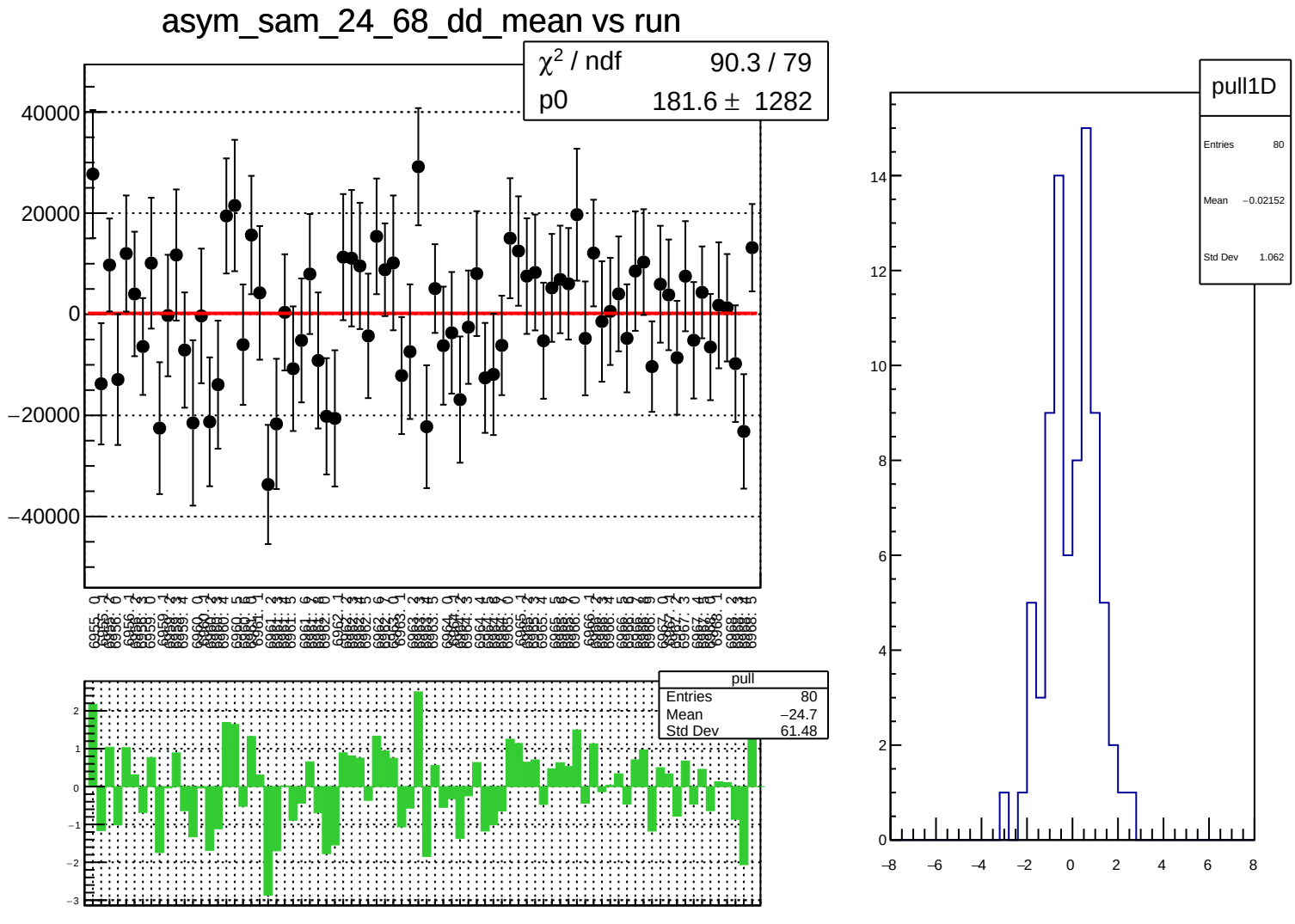

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 78.38 / 79
p0 −29.35 ± 94.35
pull
Entries 80
Mean −473.7
Std Dev 518.9
pull1D
Entries 80
Mean 0.006478
Std Dev 0.9898

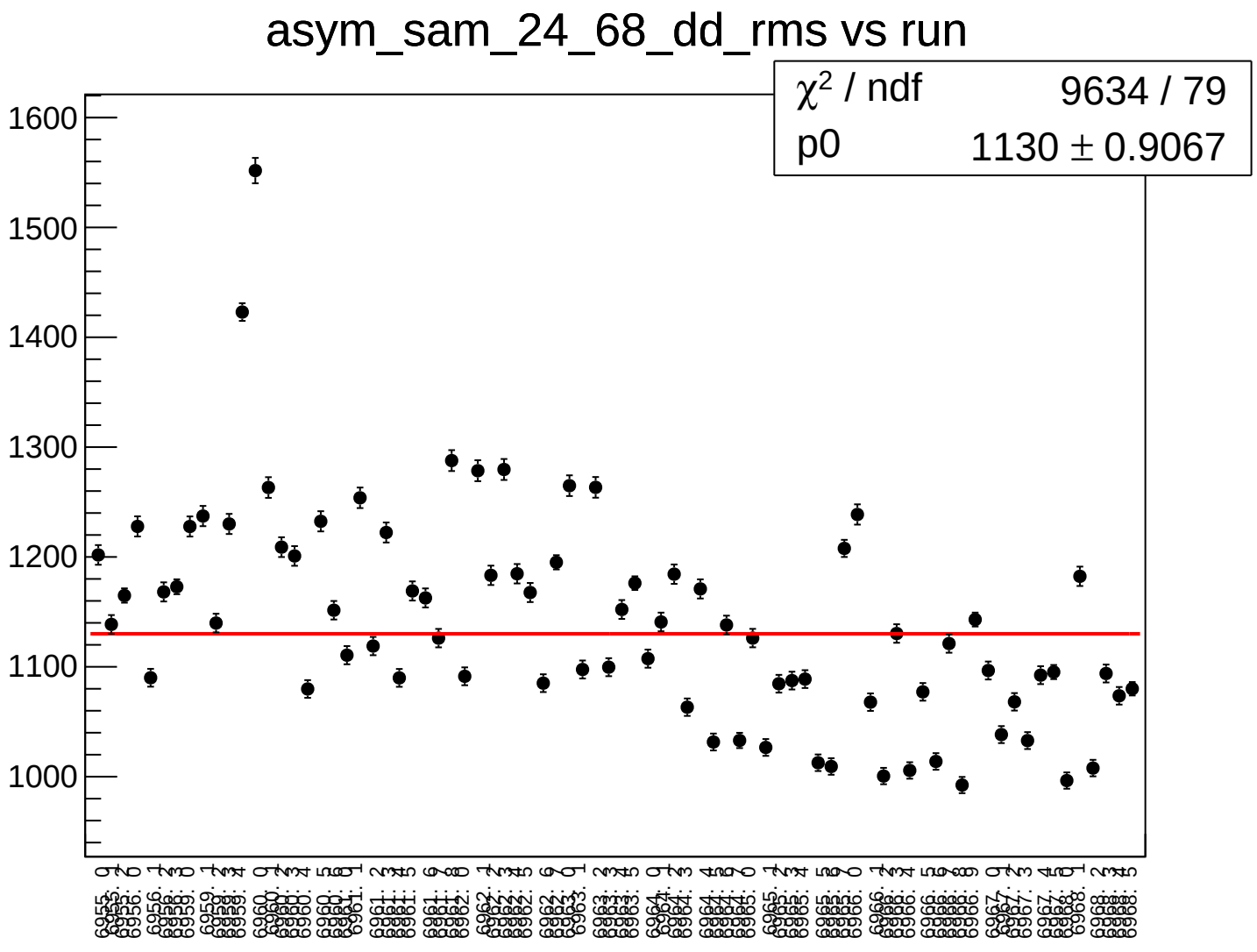
dit_asym_sam_24_68_dd_rms vs run

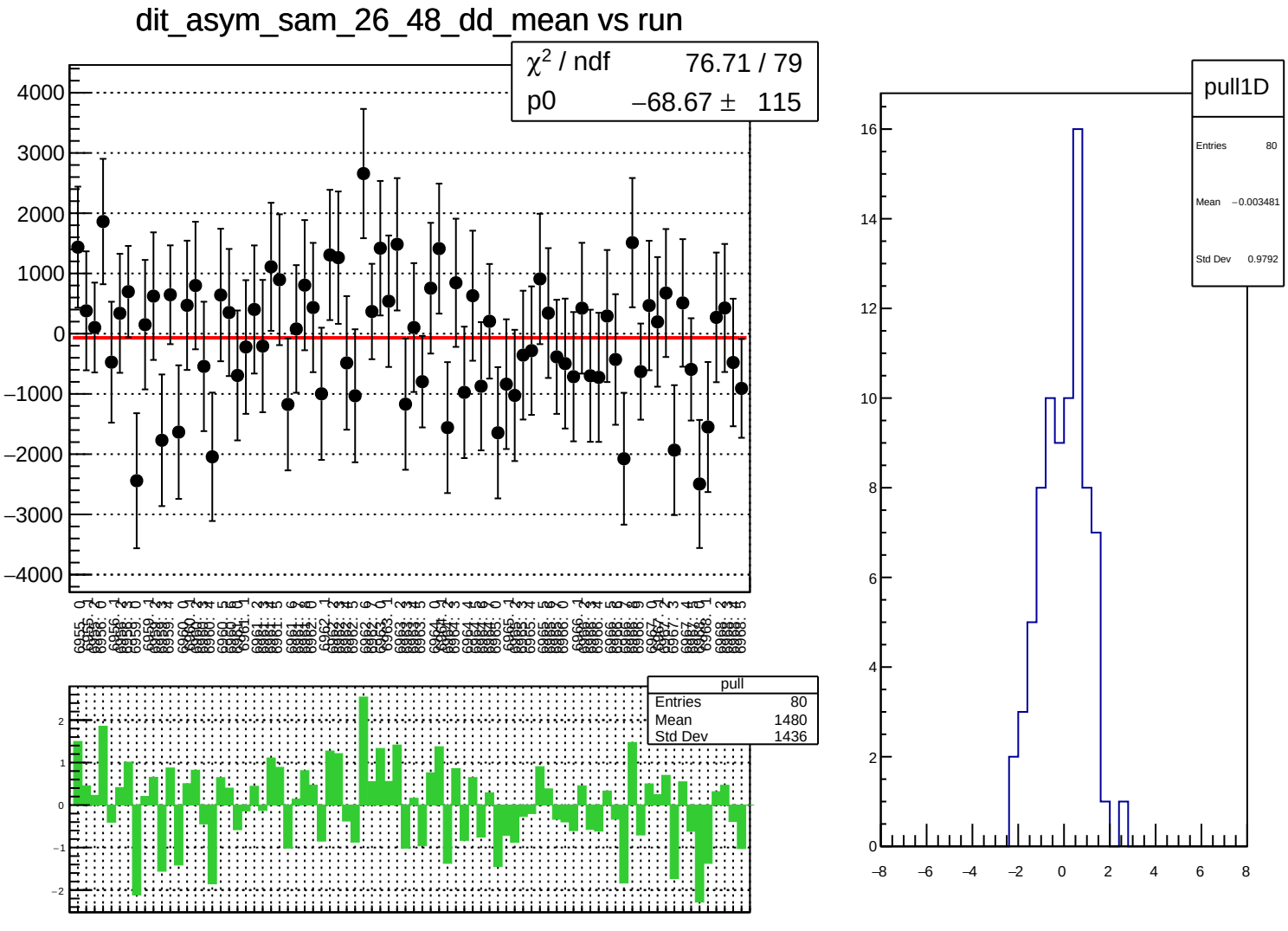



asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 90.79 / 79
p0 −213.9 ± 1283
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −34.35
Std Dev 72.37
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.02218
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

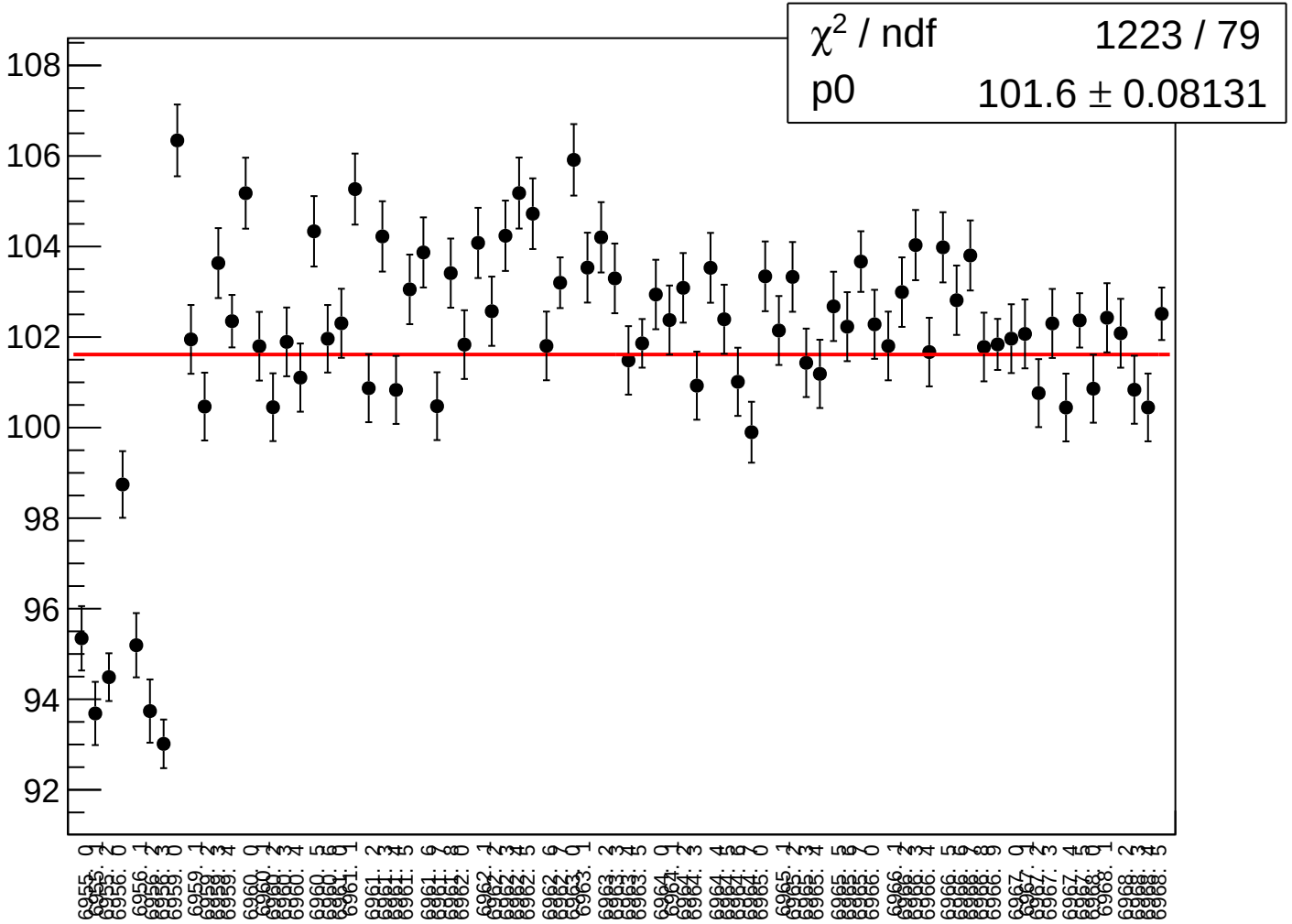

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 8586 / 79
p0 1131 ± 0.9074
1500
1400
1300
1200
1100
1000

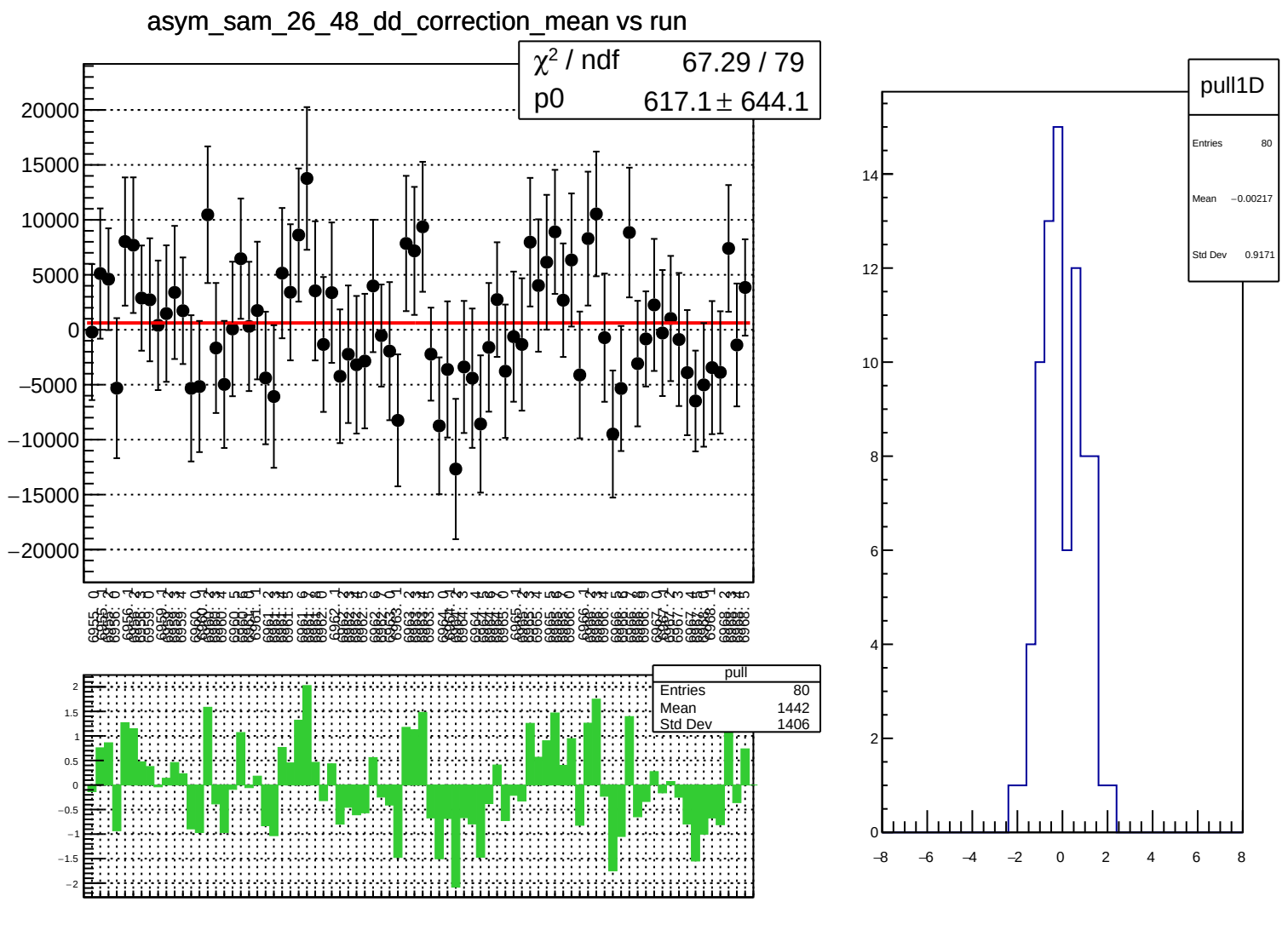

asym_sam_24_68_dd_mean vs run
χ² / ndf 90.3 / 79
p0 181.6 ± 1282
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −24.7
Std Dev 61.48
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.02152
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

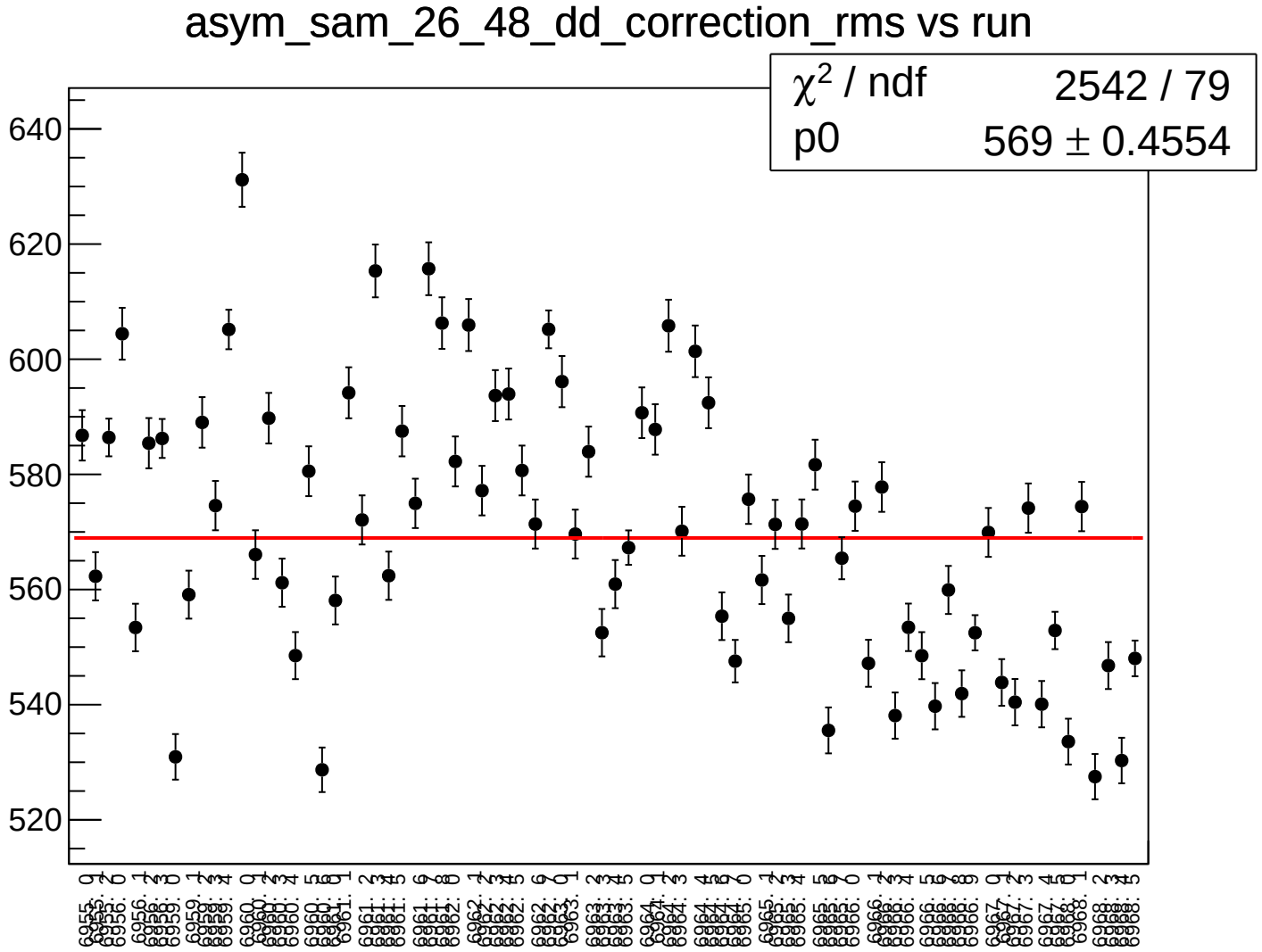

asym_sam_24_68_dd_rms vs run
χ² / ndf 9634 / 79
p0 1130 ± 0.9067
1600
1500
1400
1300
1200
1100
1000

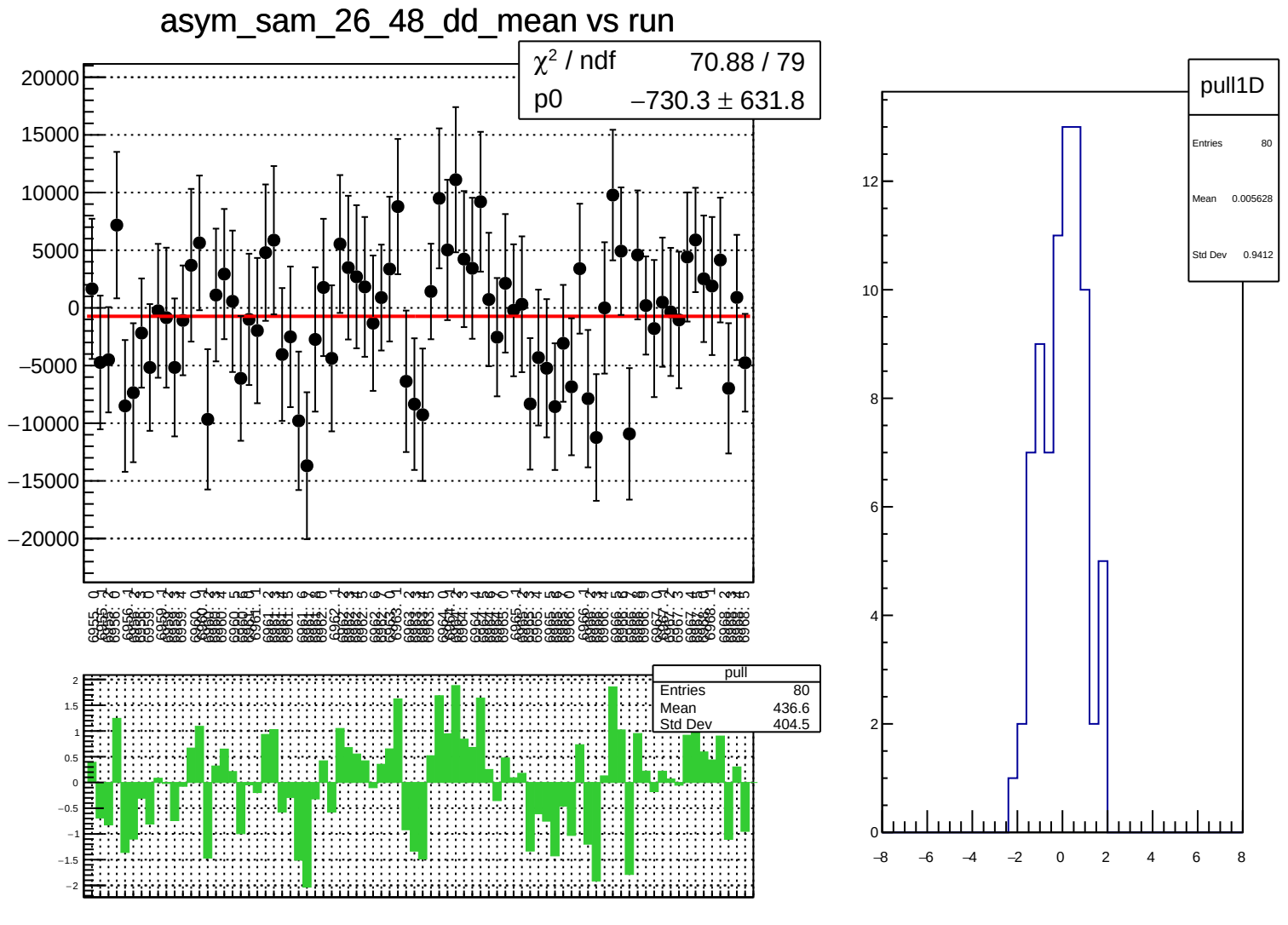

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 76.71 / 79
p0 −68.67 ± 115
pull
Entries 80
Mean 1480
Std Dev 1436
pull1D
Entries 80
Mean −0.003481
Std Dev 0.9792

dit_asym_sam_26_48_dd_rms vs run

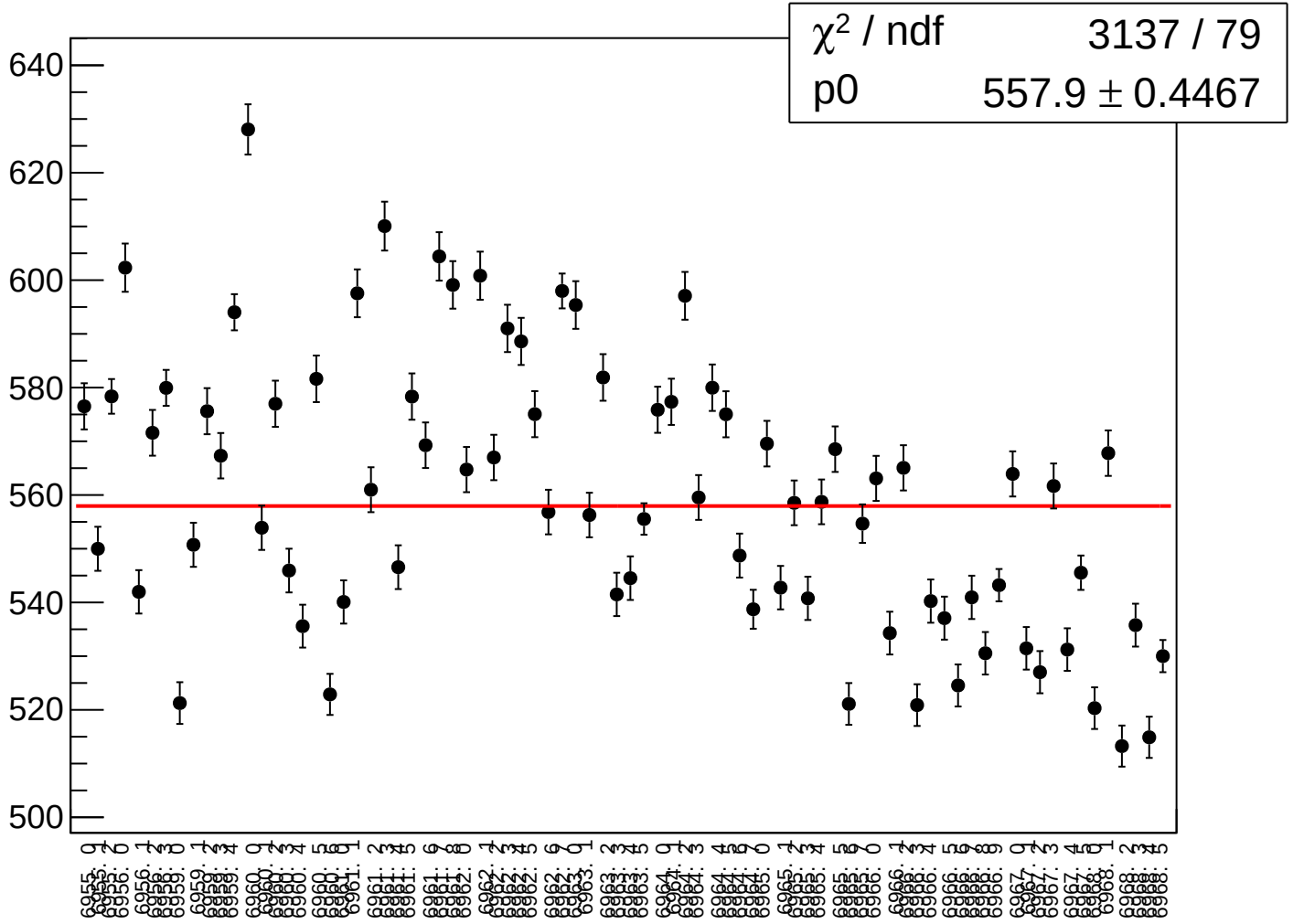


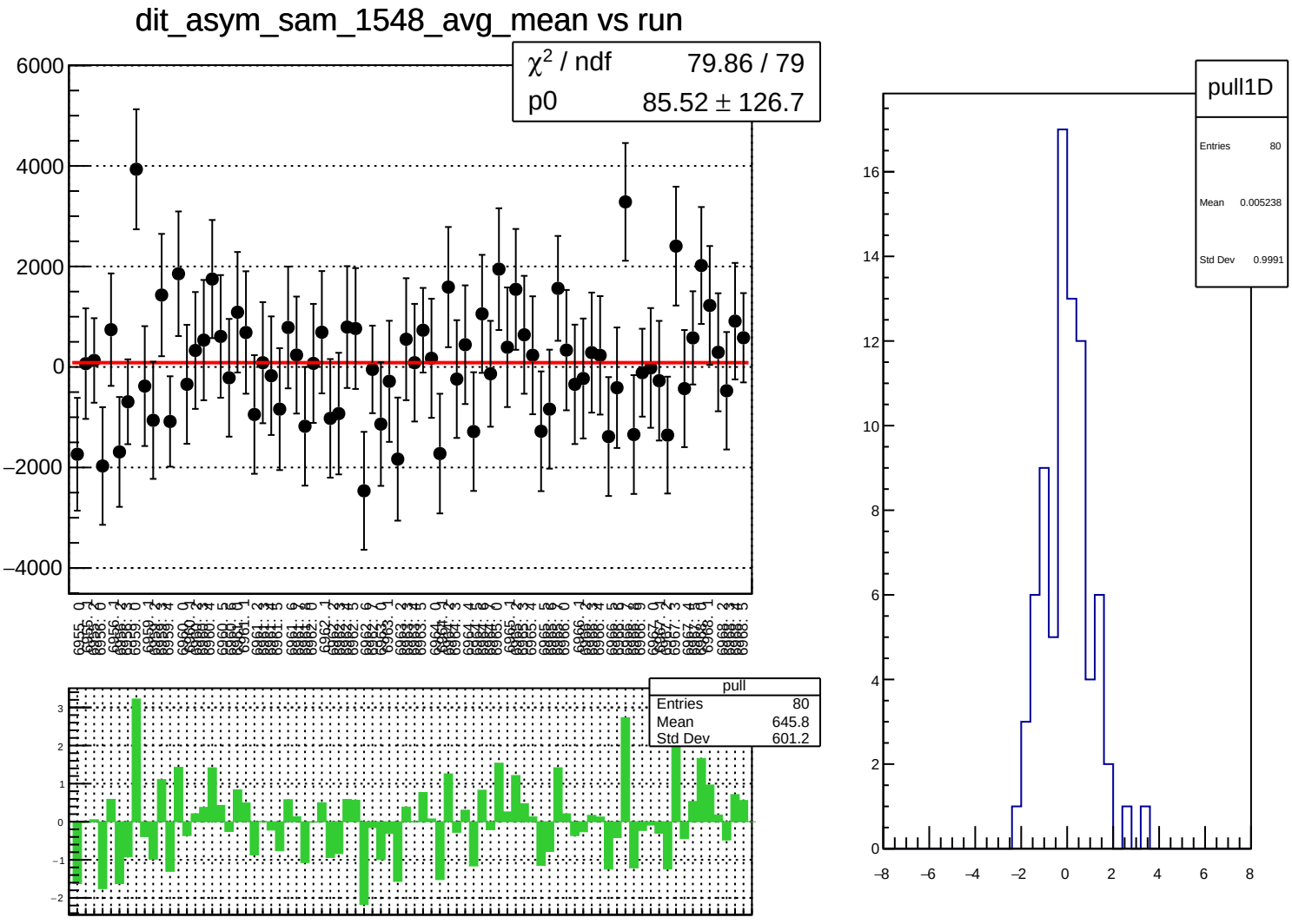

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 67.29 / 79
p0 617.1 ± 644.1
pull
Entries 80
Mean 1442
Std Dev 1406
pull1D
Entries 80
Mean −0.00217
Std Dev 0.9171


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2542 / 79
p0 569 ± 0.4554
640
620
600
580
560
540
520

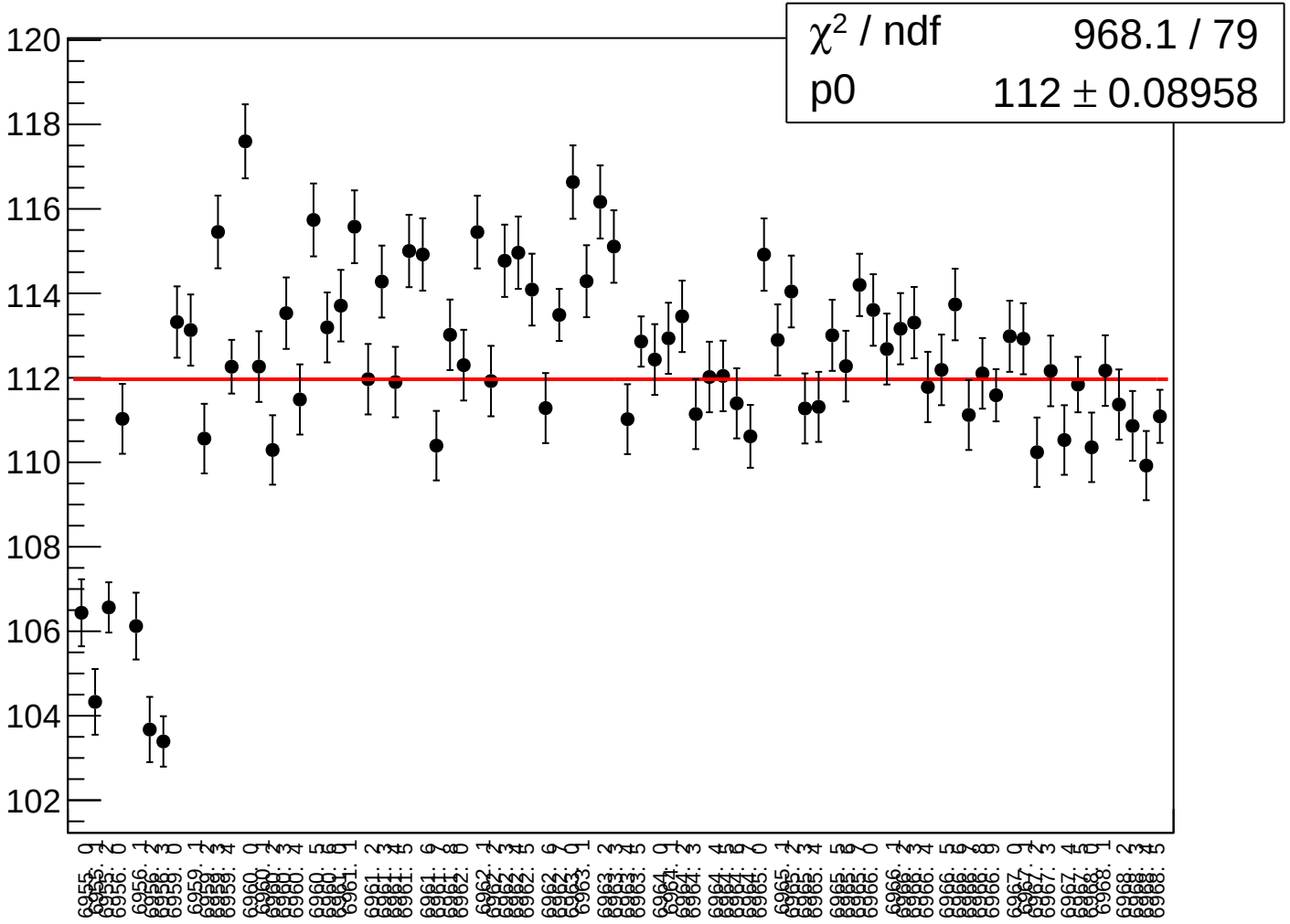

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.88 / 79
p0 −730.3 ± 631.8
pull
Entries 80
Mean 436.6
Std Dev 404.5
pull1D
Entries 80
Mean 0.005628
Std Dev 0.9412

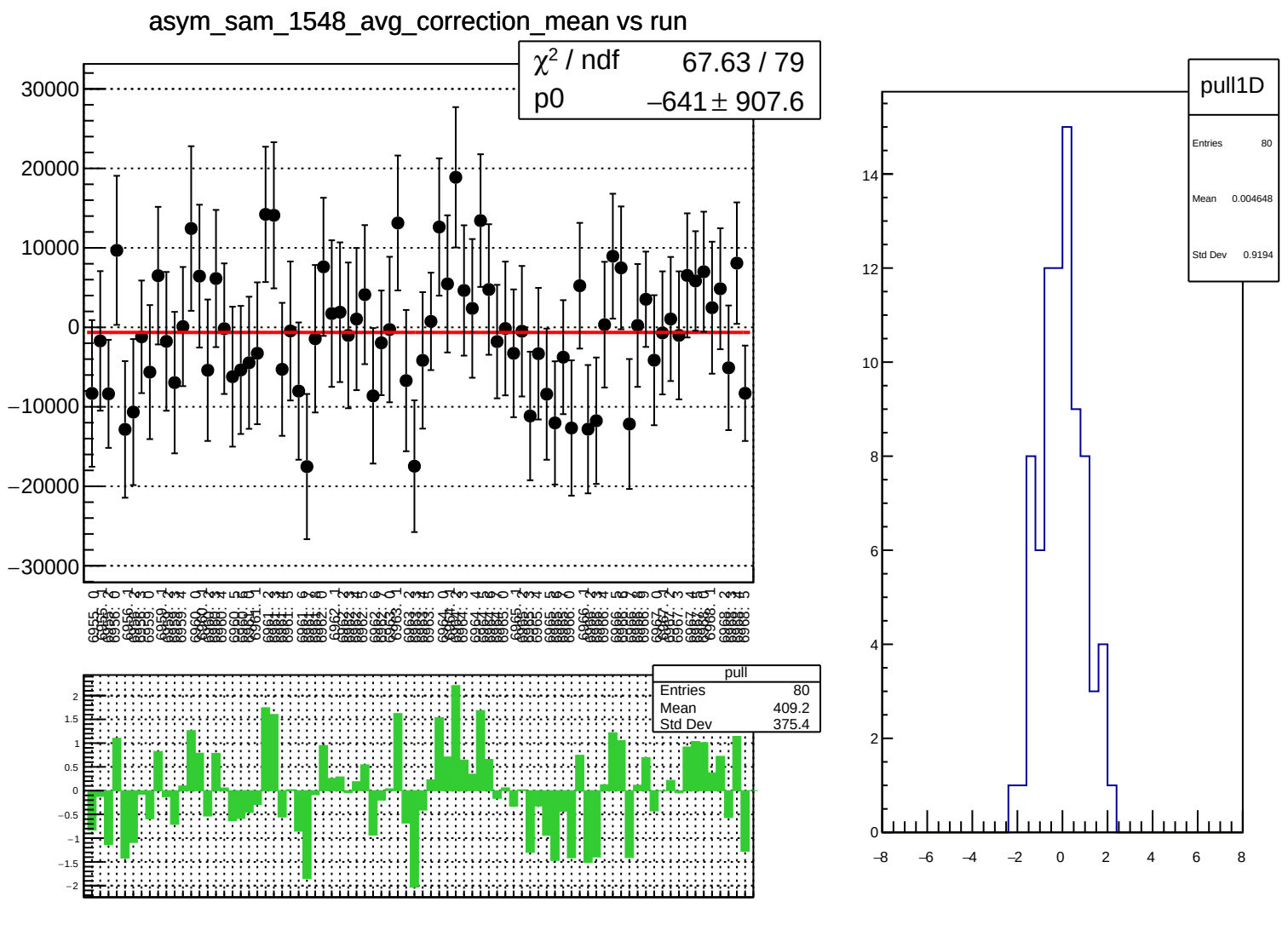
asym_sam_26_48_dd_rms vs run

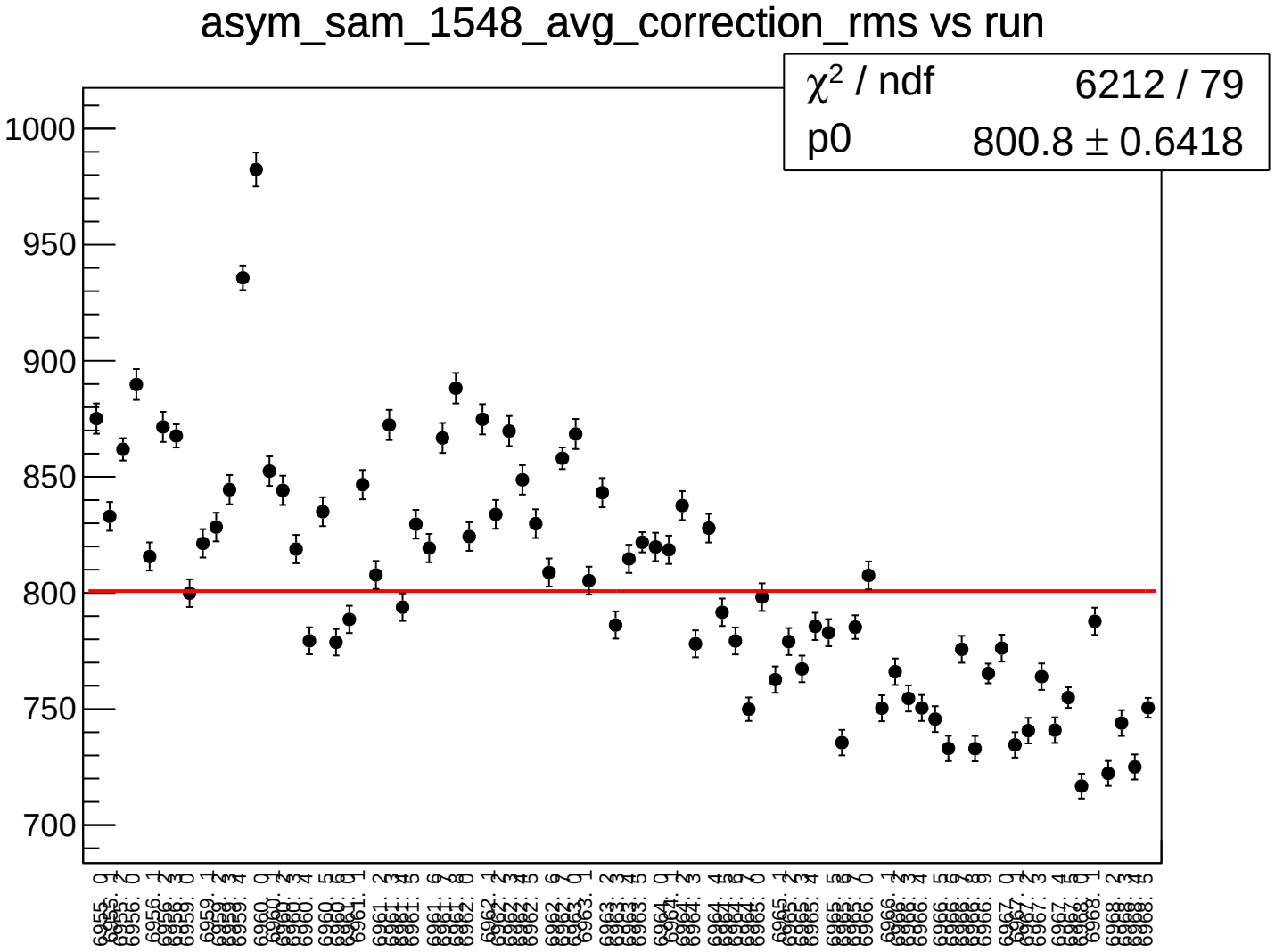


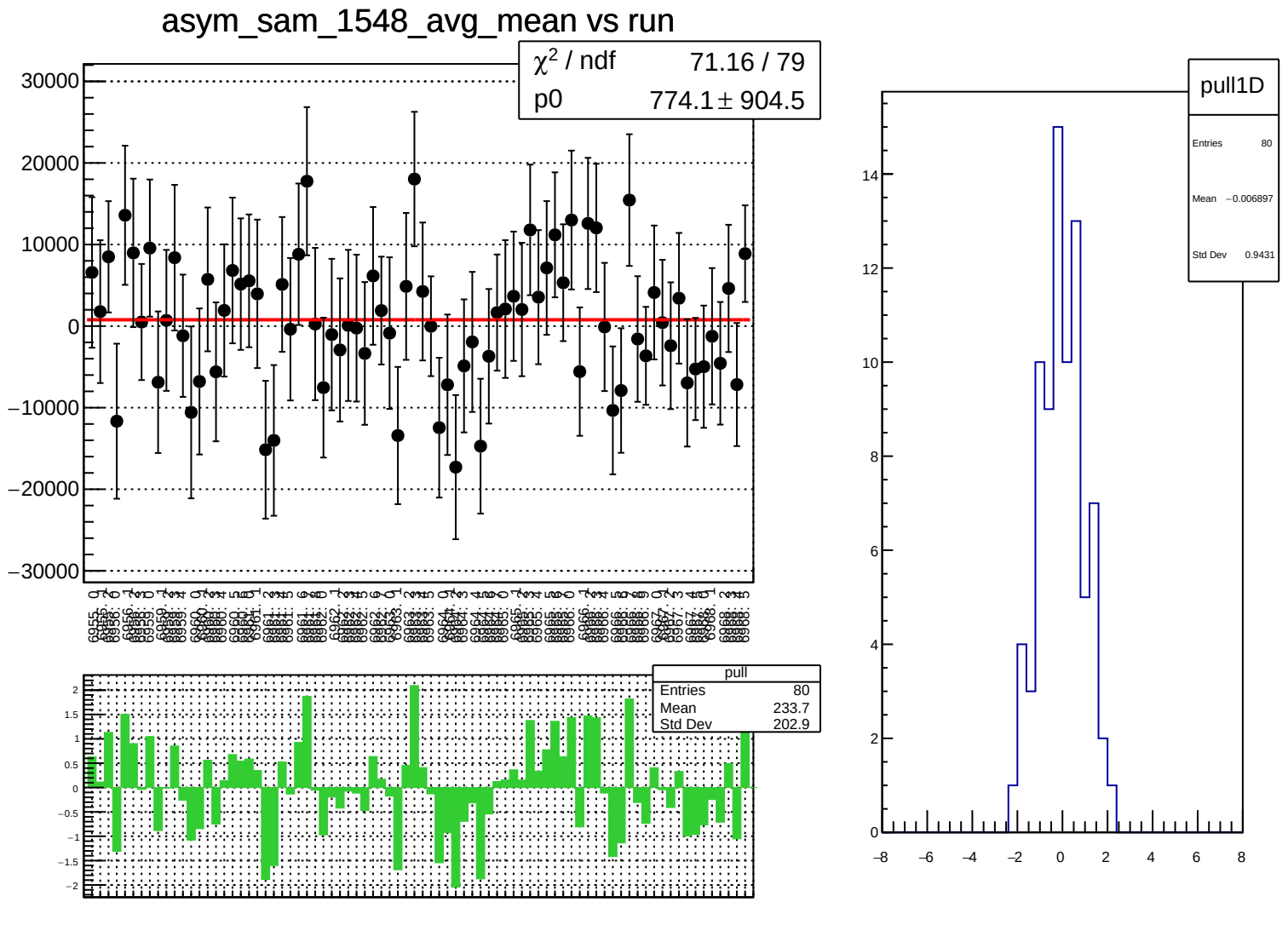

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 79.86 / 79
p0 85.52 ± 126.7
pull
Entries 80
Mean 645.8
Std Dev 601.2
pull1D
Entries 80
Mean 0.005238
Std Dev 0.9991

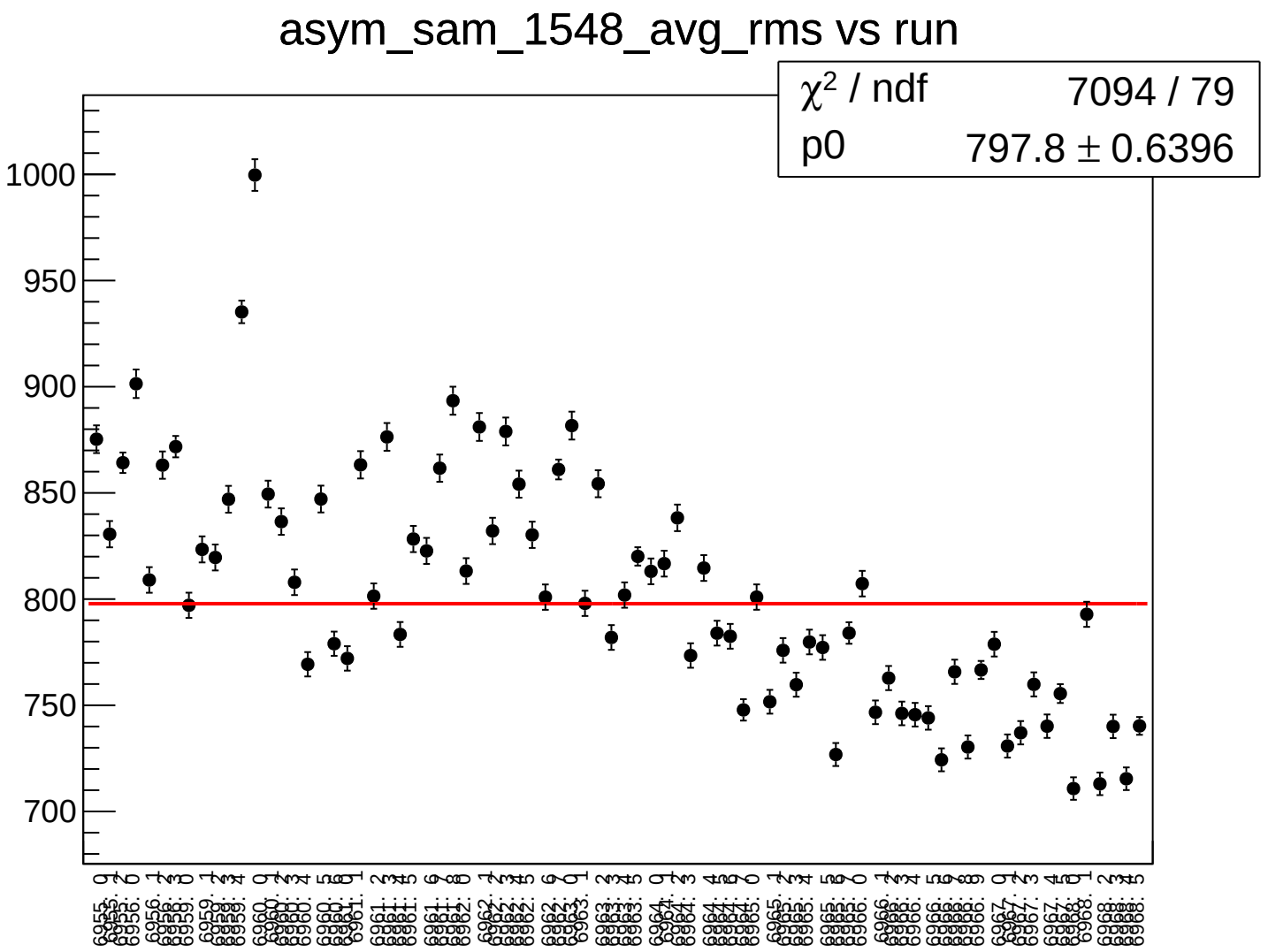
dit_asym_sam_1548_avg_rms vs run

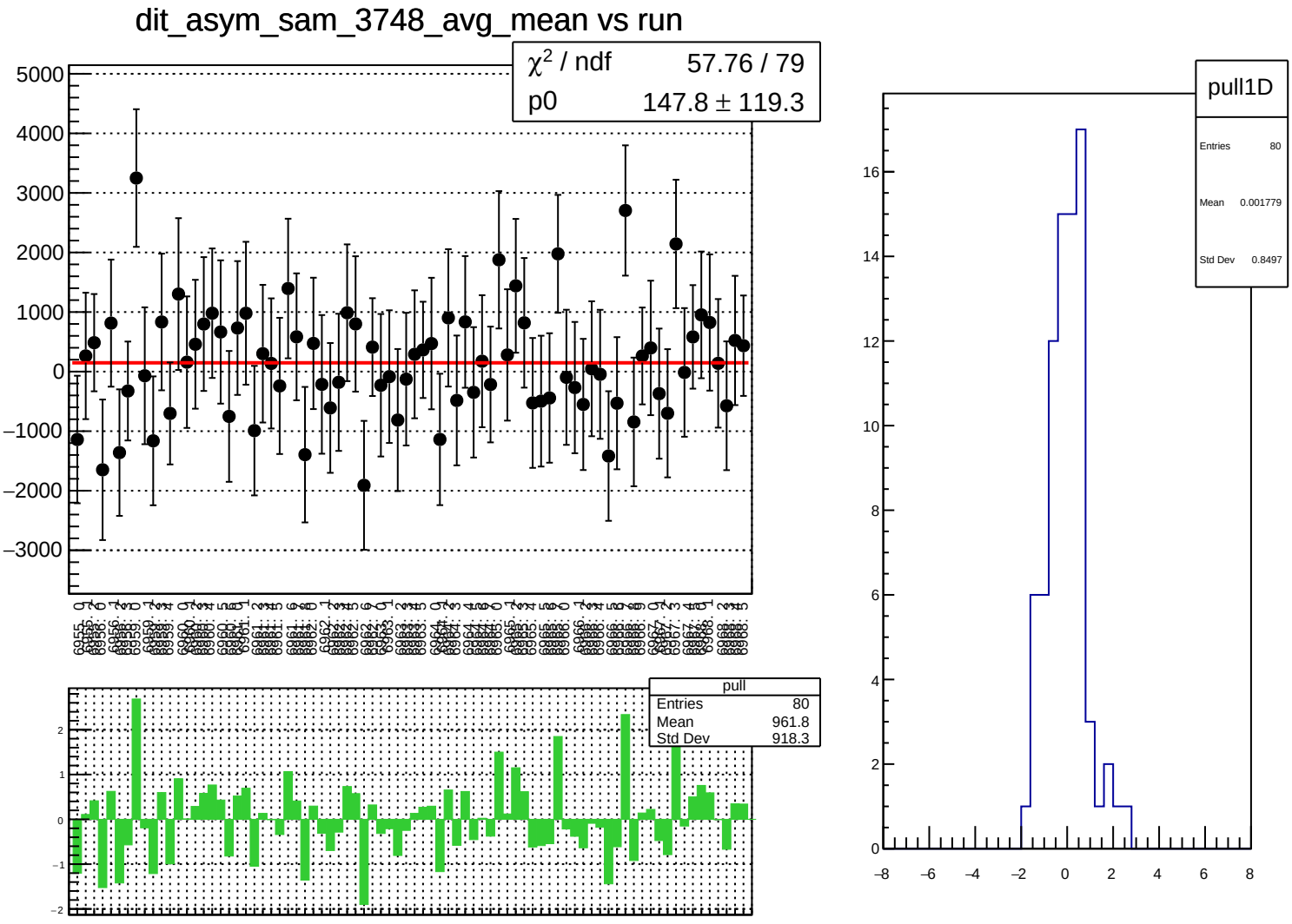



asym_sam_1548_avg_correction_mean vs run
χ² / ndf 67.63 / 79
p0 −641 ± 907.6
pull
Entries 80
Mean 409.2
Std Dev 375.4
pull1D
Entries 80
Mean 0.004648
Std Dev 0.9194

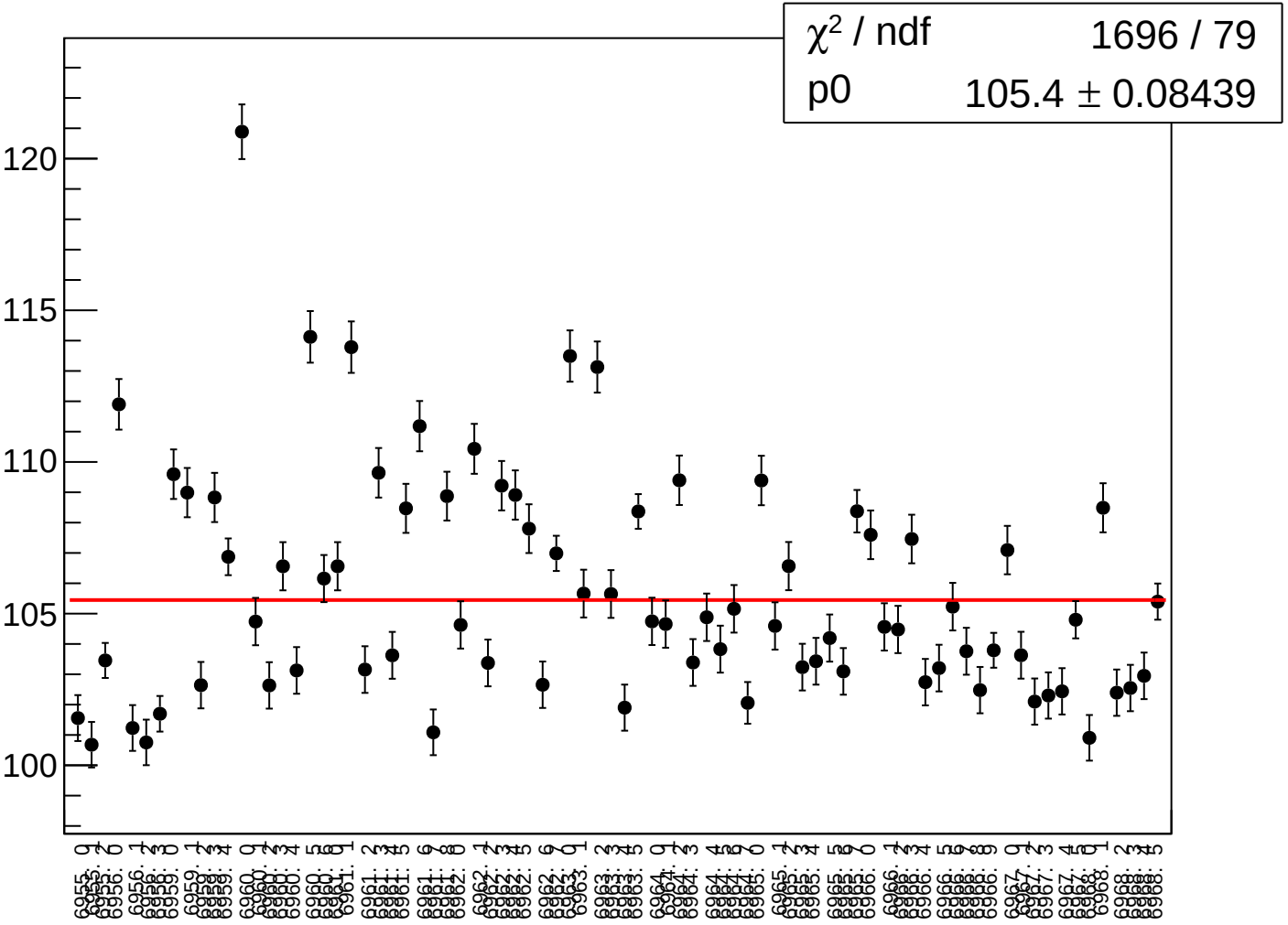

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 6212 / 79
p0 800.8 ± 0.6418
1000
950
900
850
800
750
700

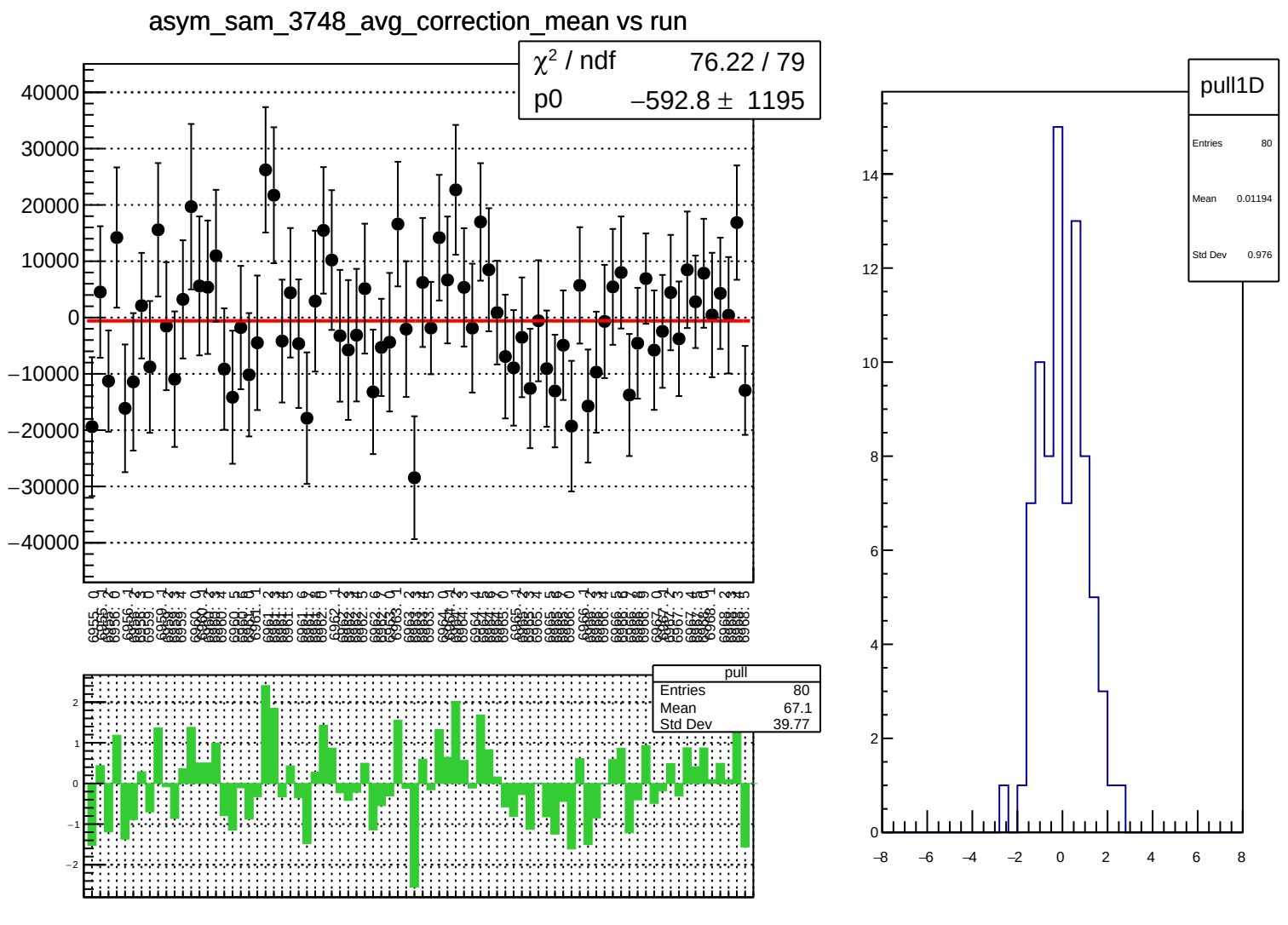

asym_sam_1548_avg_mean vs run
χ^2 / ndf 71.16 / 79
p0 774.1 ± 904.5
pull
Entries 80
Mean 233.7
Std Dev 202.9
pull1D
Entries 80
Mean −0.006897
Std Dev 0.9431

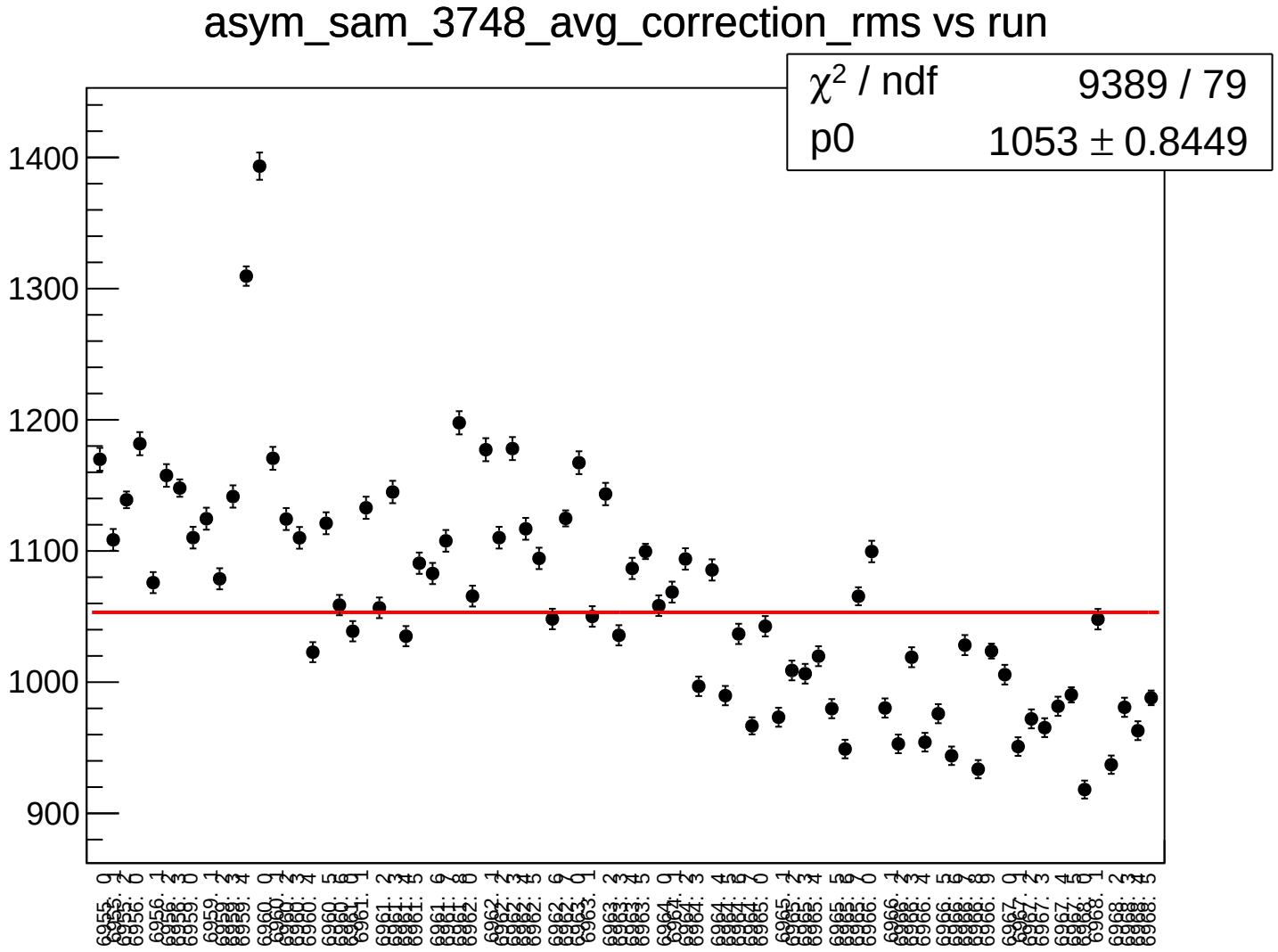

asym_sam_1548_avg_rms vs run
χ² / ndf 7094 / 79
p0 797.8 ± 0.6396
1000
950
900
850
800
750
700

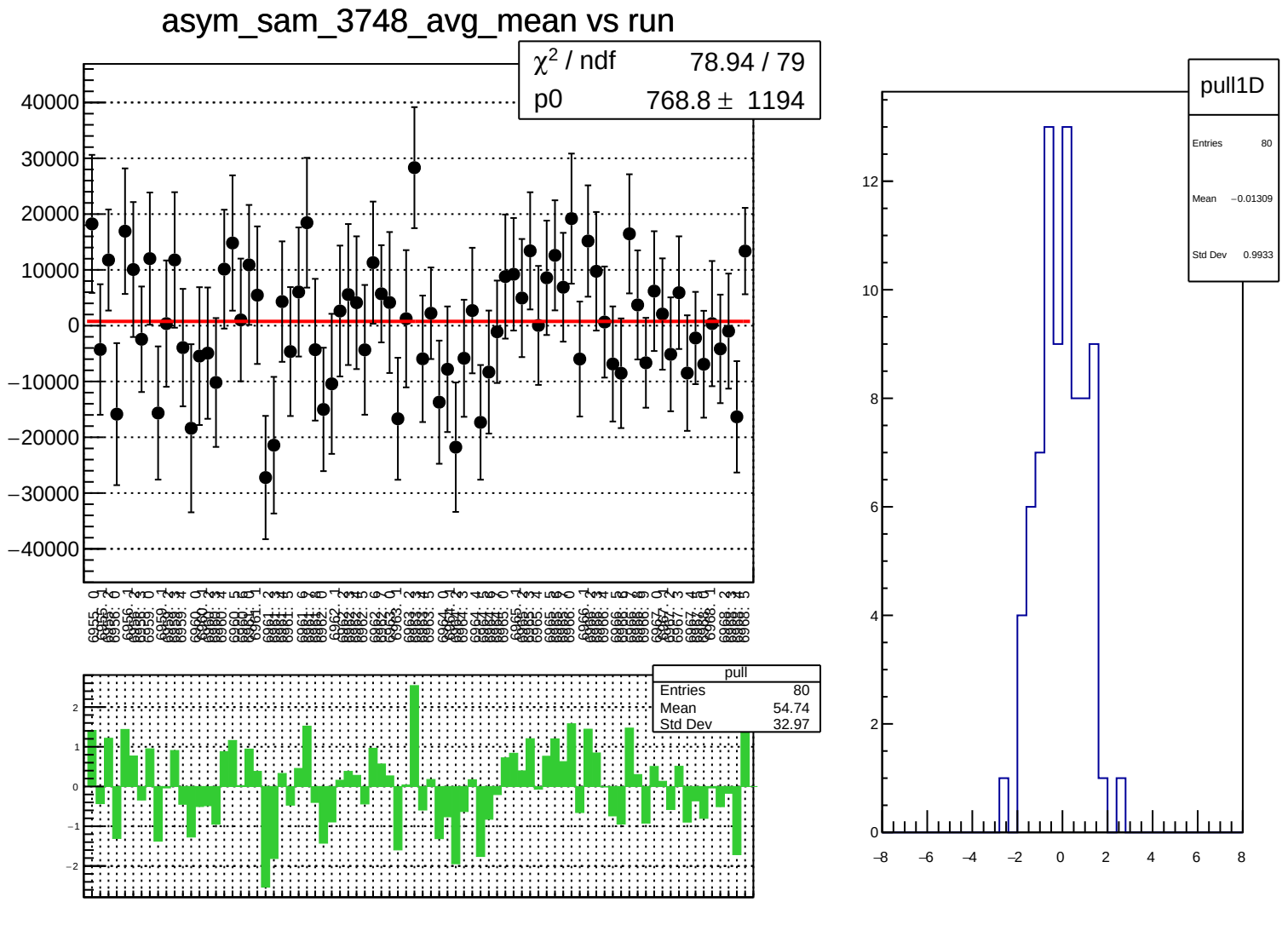

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 57.76 / 79
p0 147.8 ± 119.3
pull
Entries 80
Mean 961.8
Std Dev 918.3
pull1D
Entries 80
Mean 0.001779
Std Dev 0.8497

dit_asym_sam_3748_avg_rms vs run

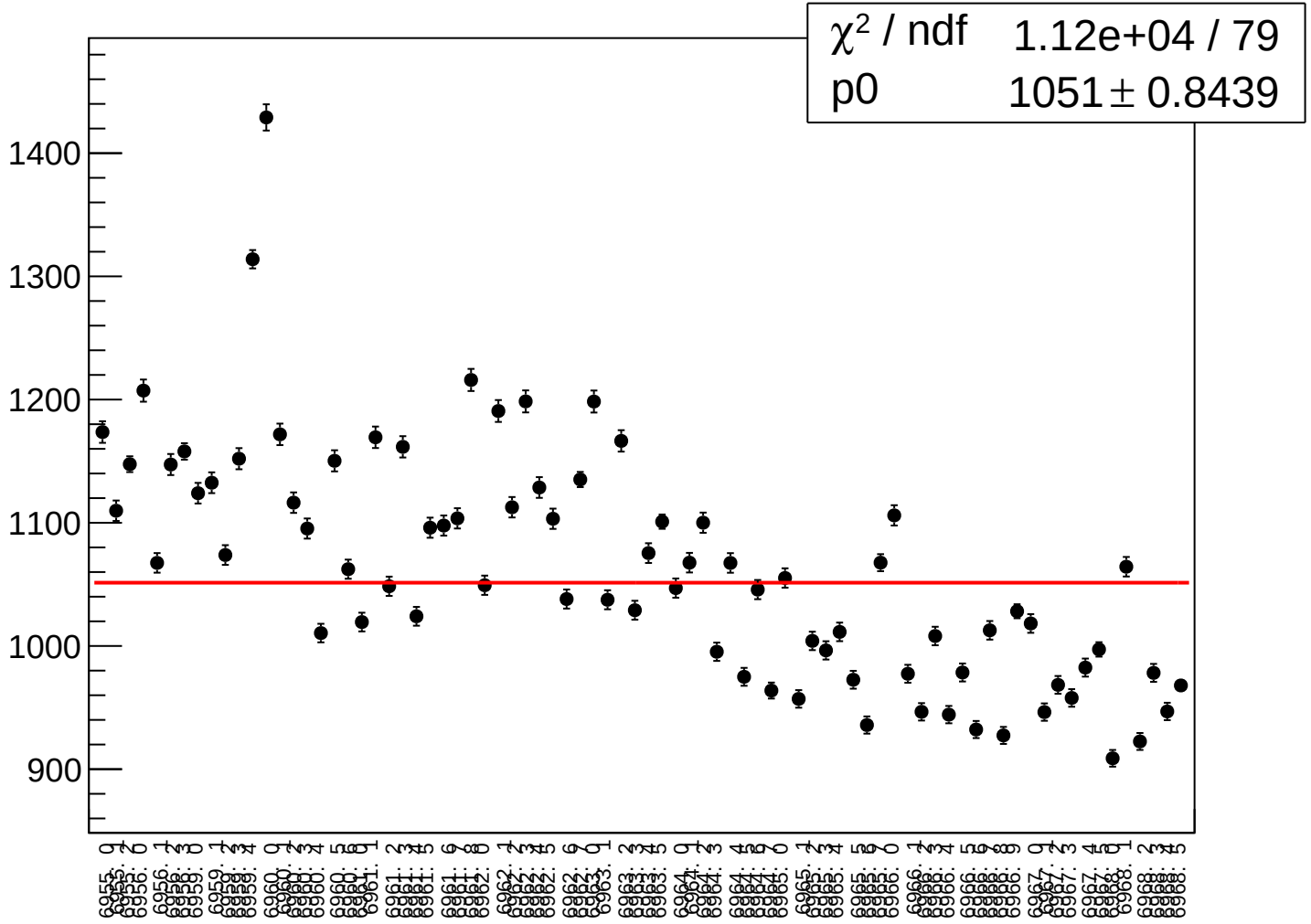


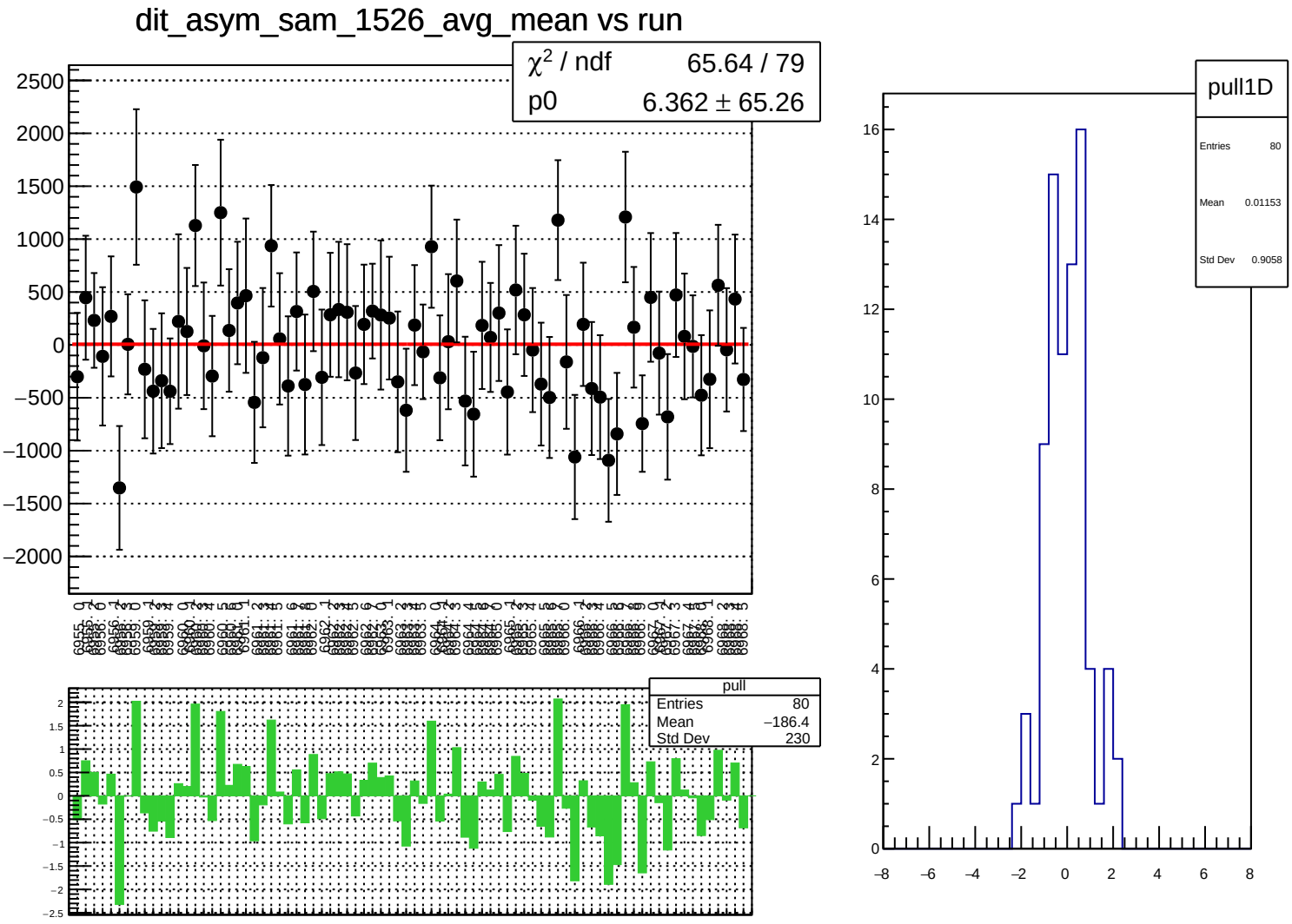

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 76.22 / 79
p0 −592.8 ± 1195
pull
Entries 80
Mean 67.1
Std Dev 39.77
pull1D
Entries 80
Mean 0.01194
Std Dev 0.976

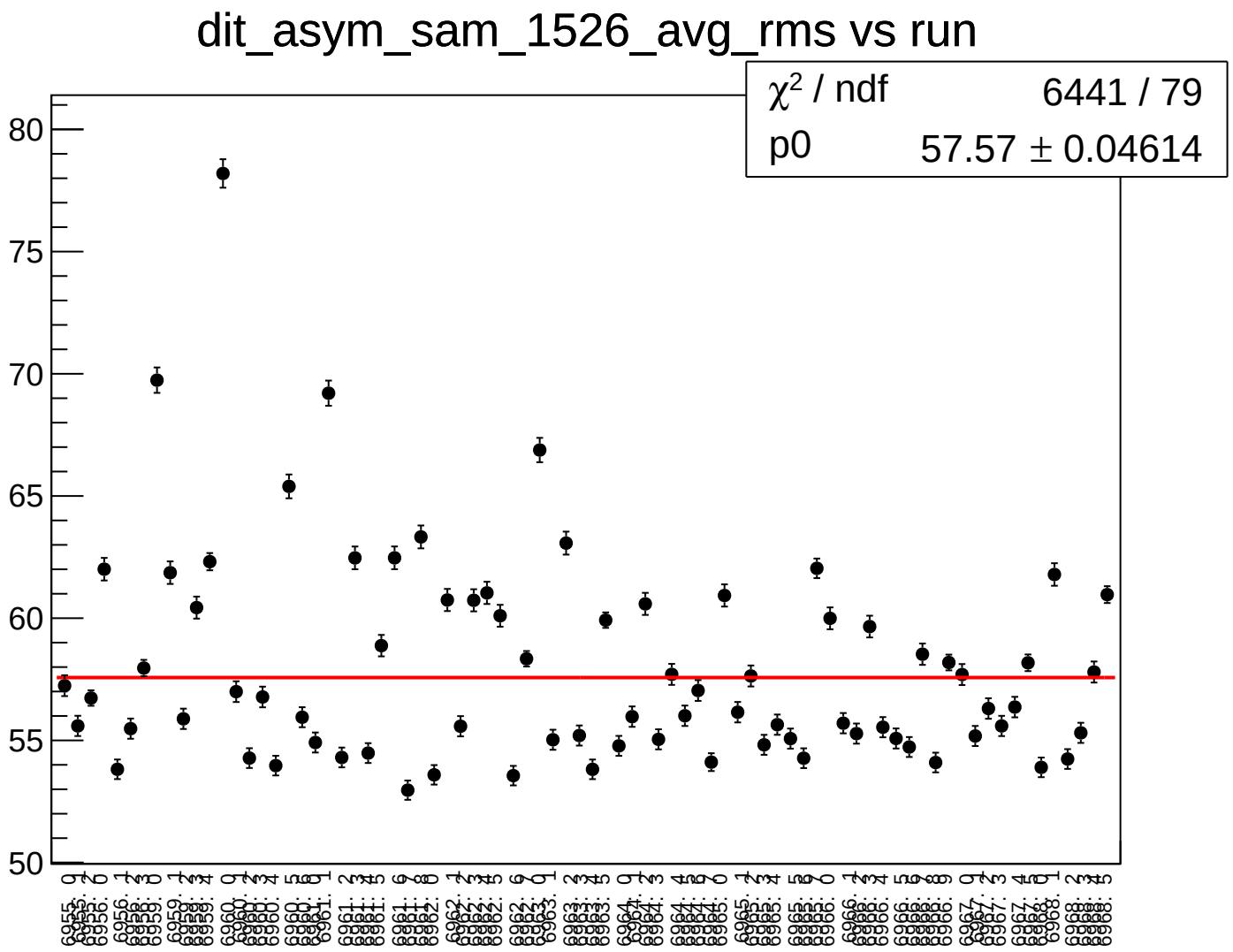

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 9389 / 79
p0 1053 ± 0.8449
1400
1300
1200
1100
1000
900

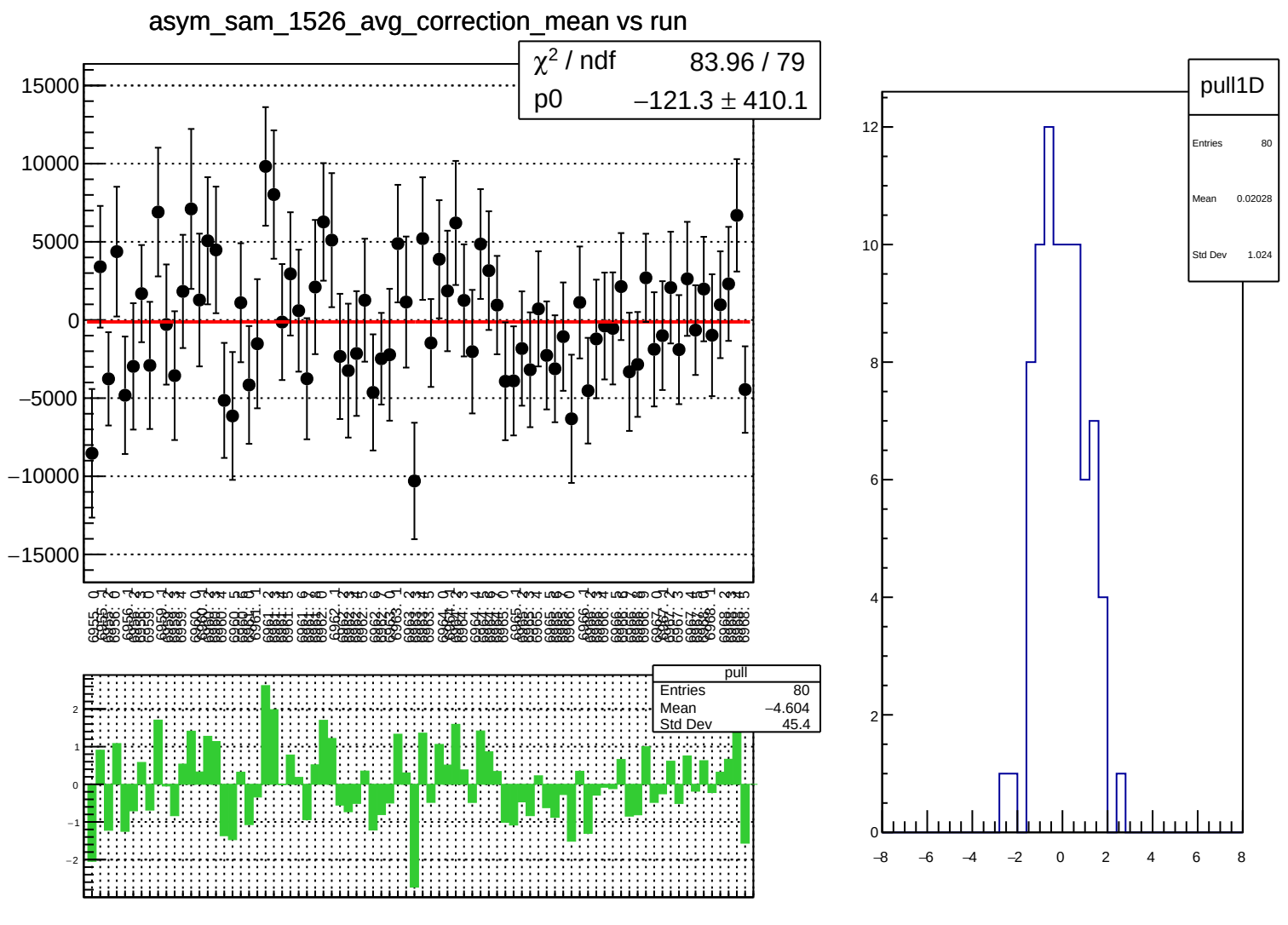

asym_sam_3748_avg_mean vs run
χ² / ndf 78.94 / 79
p0 768.8 ± 1194
pull
Entries 80
Mean 54.74
Std Dev 32.97
pull1D
Entries 80
Mean −0.01309
Std Dev 0.9933

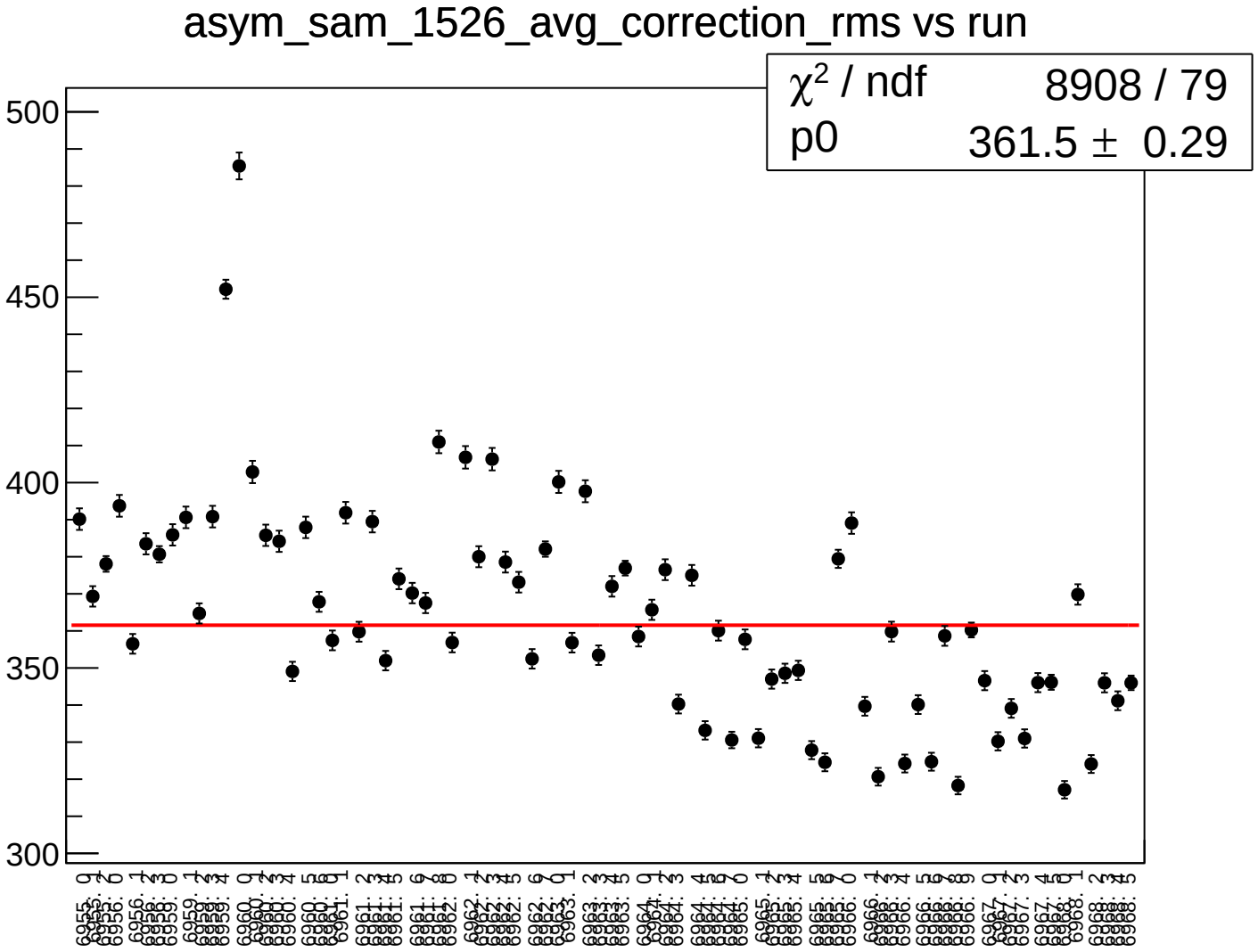
asym_sam_3748_avg_rms vs run

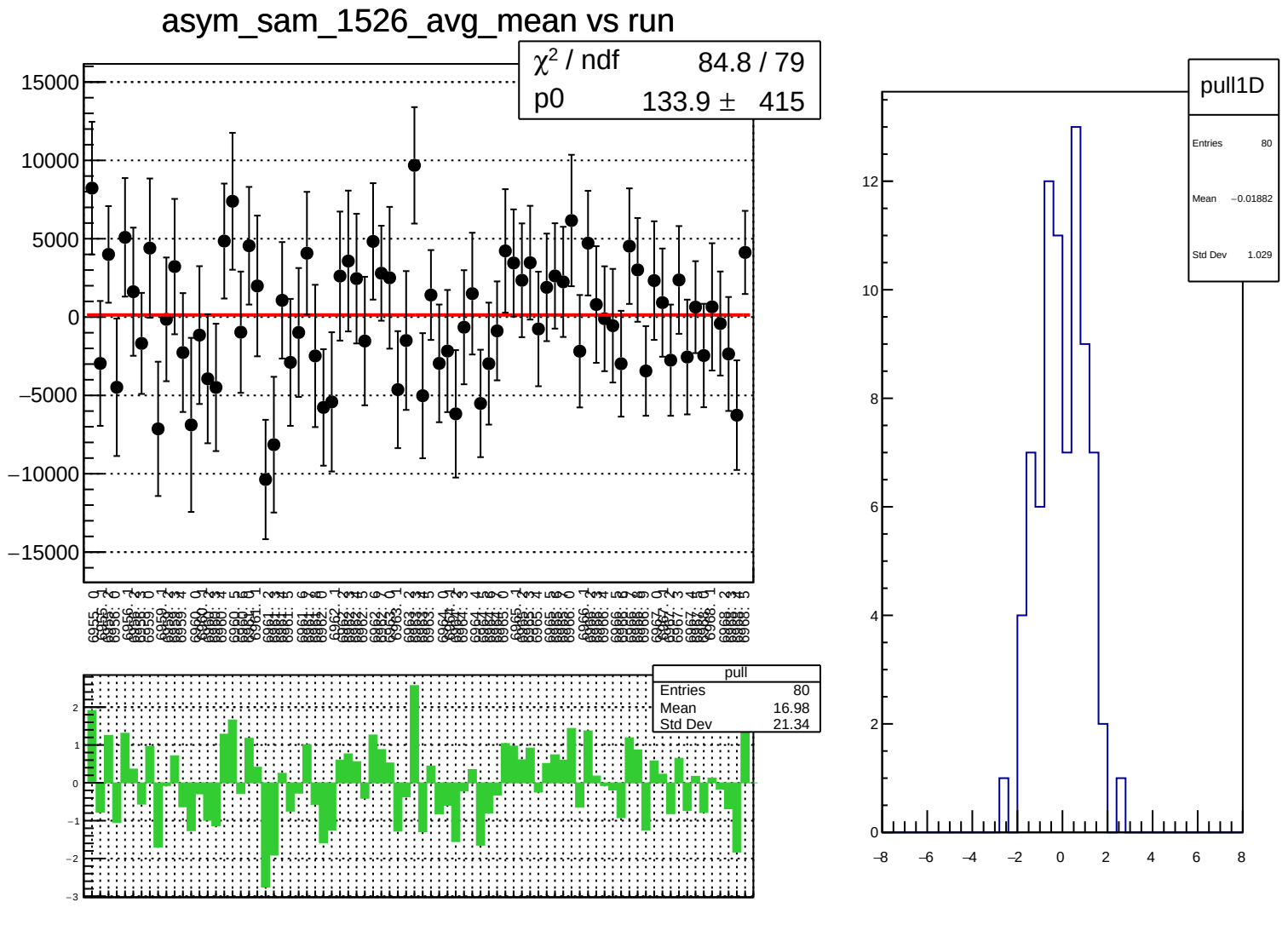


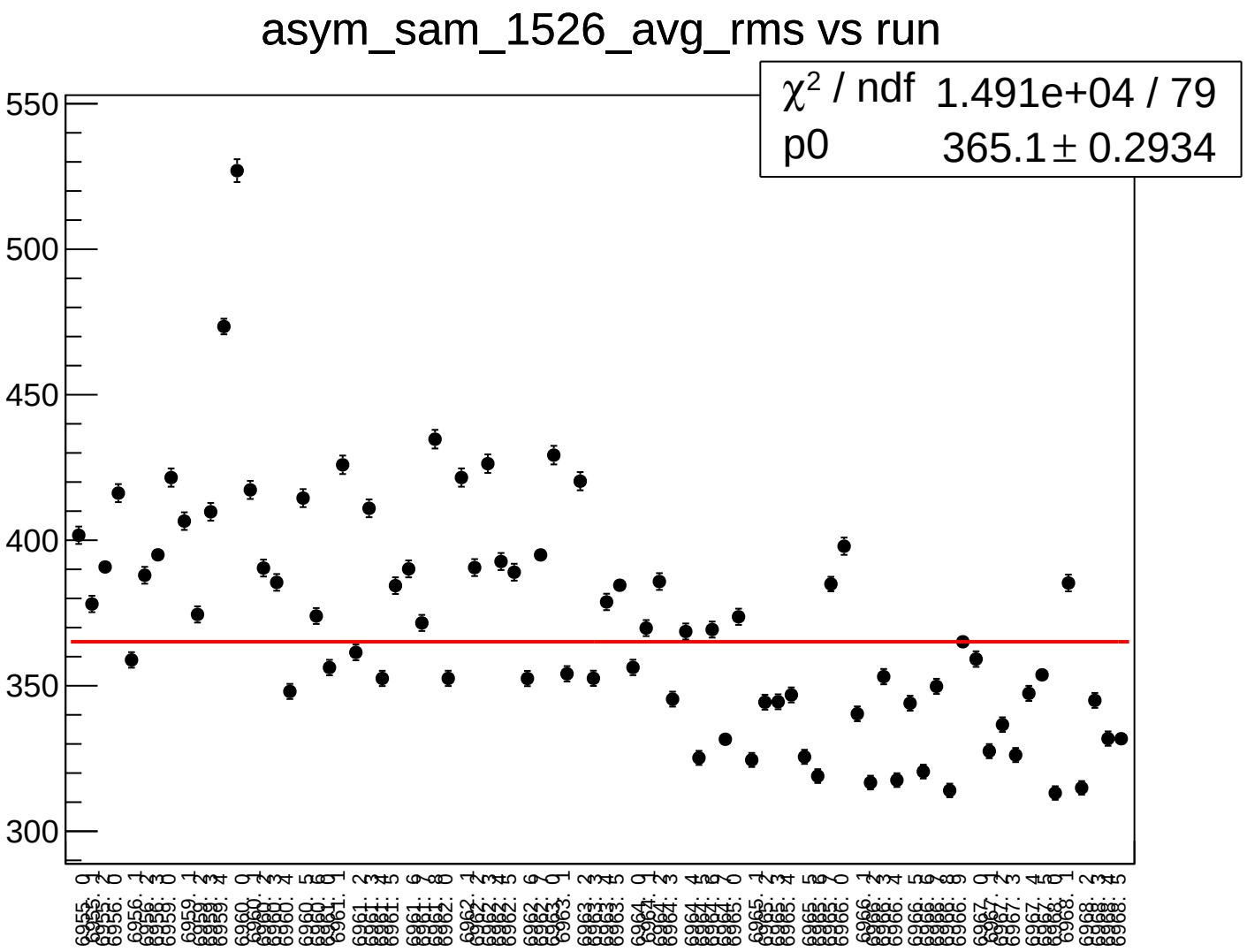

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 65.64 / 79
p0 6.362 ± 65.26
pull
Entries 80
Mean −186.4
Std Dev 230
pull1D
Entries 80
Mean 0.01153
Std Dev 0.9058

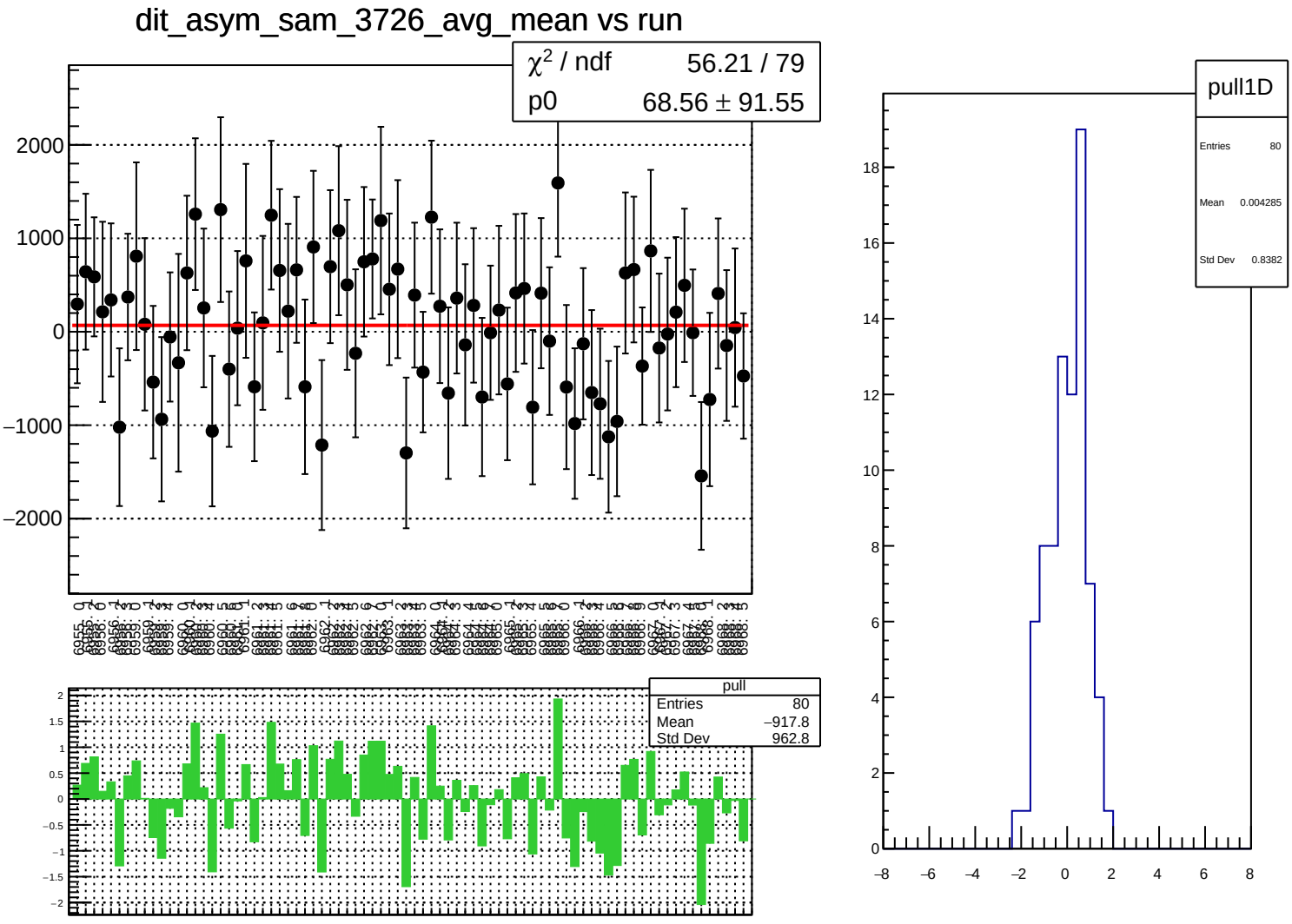

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6441 / 79
p0 57.57 ± 0.04614
80
75
70
65
60
55
50


asym_sam_1526_avg_correction_mean vs run
χ² / ndf 83.96 / 79
p0 −121.3 ± 410.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −4.604
Std Dev 45.4
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.02028
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

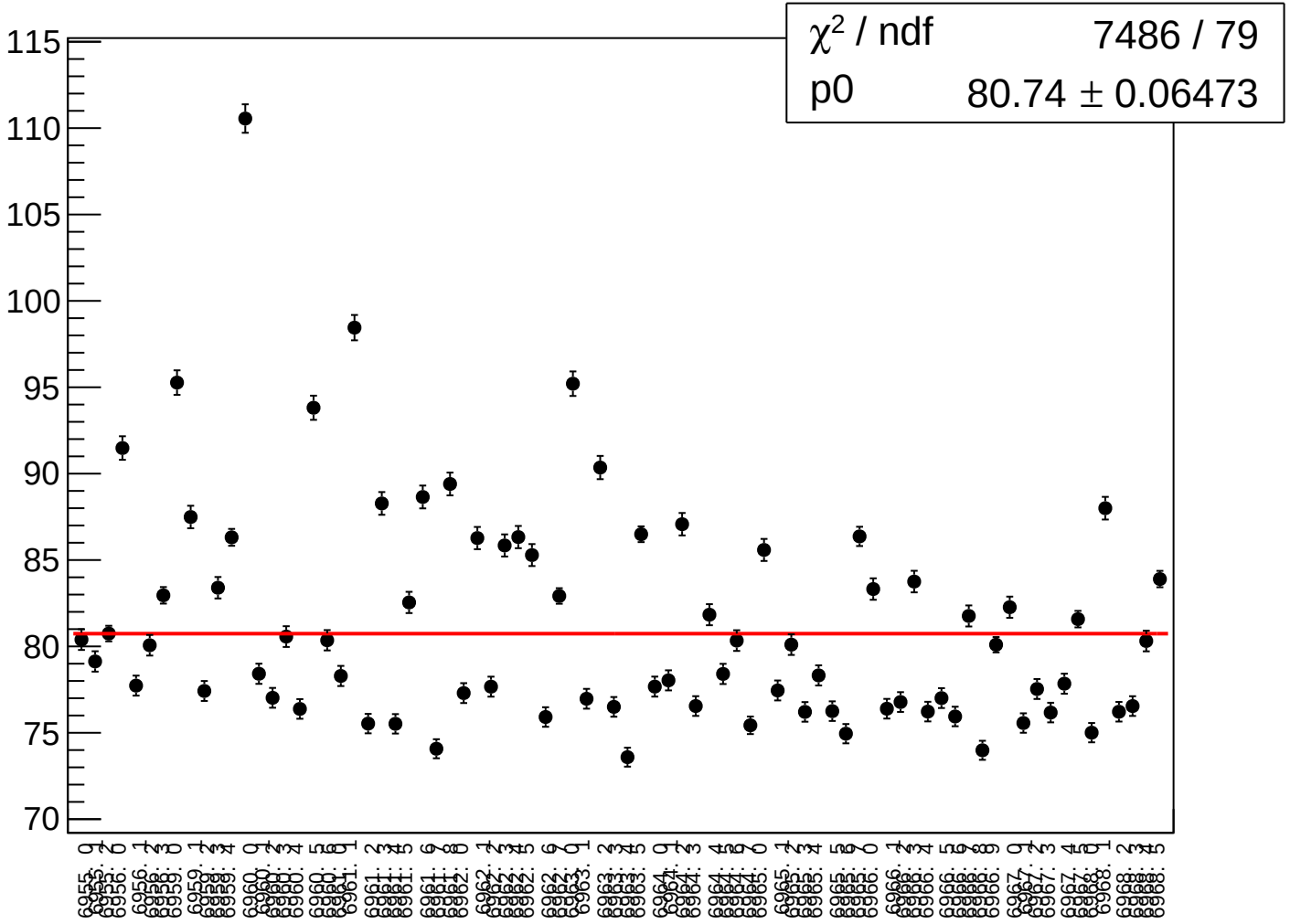

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 8908 / 79
p0 361.5 ± 0.29
500
450
400
350
300

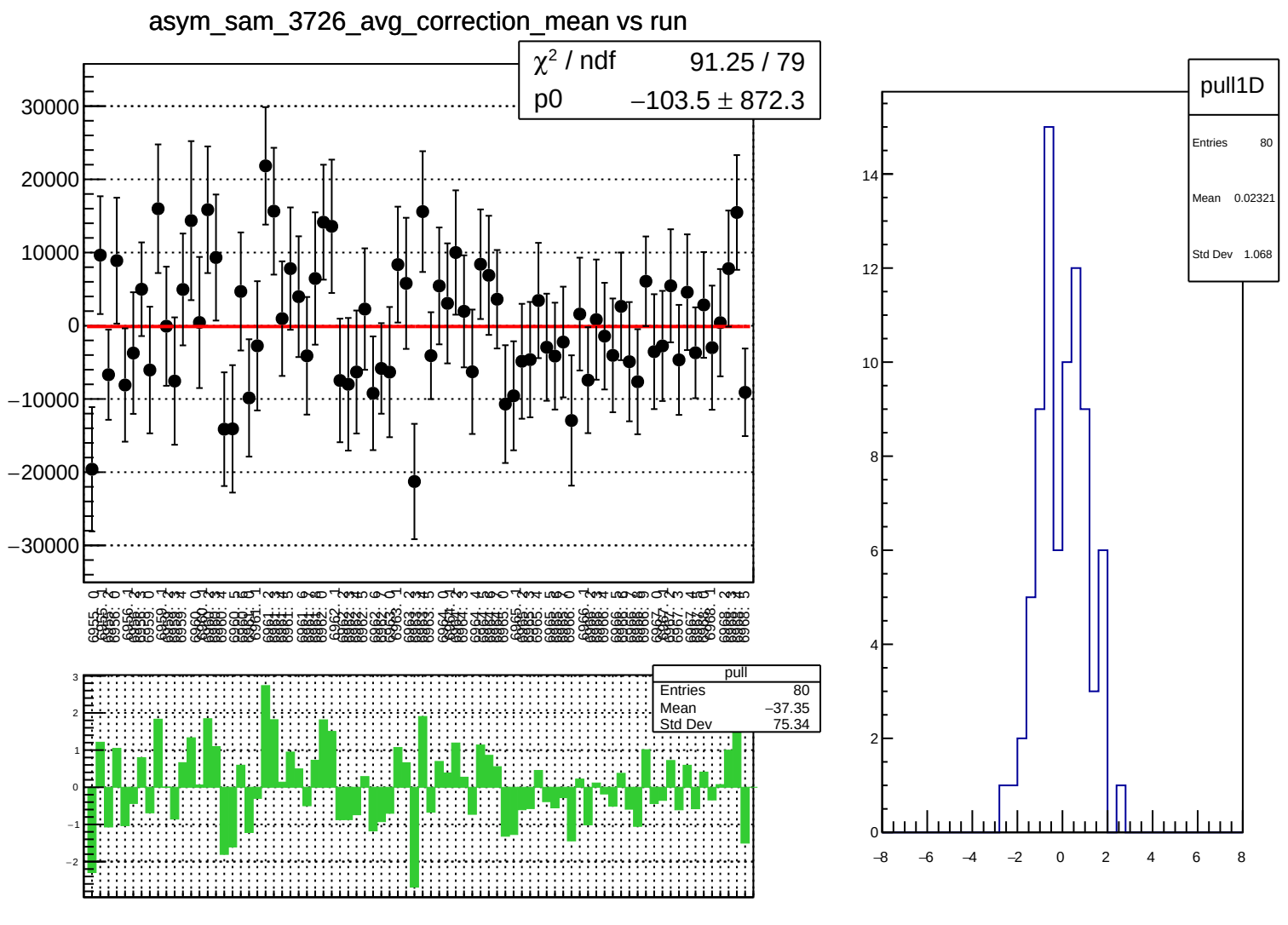

asym_sam_1526_avg_mean vs run
χ² / ndf 84.8 / 79
p0 133.9 ± 415
pull
Entries 80
Mean 16.98
Std Dev 21.34
pull1D
Entries 80
Mean −0.01882
Std Dev 1.029

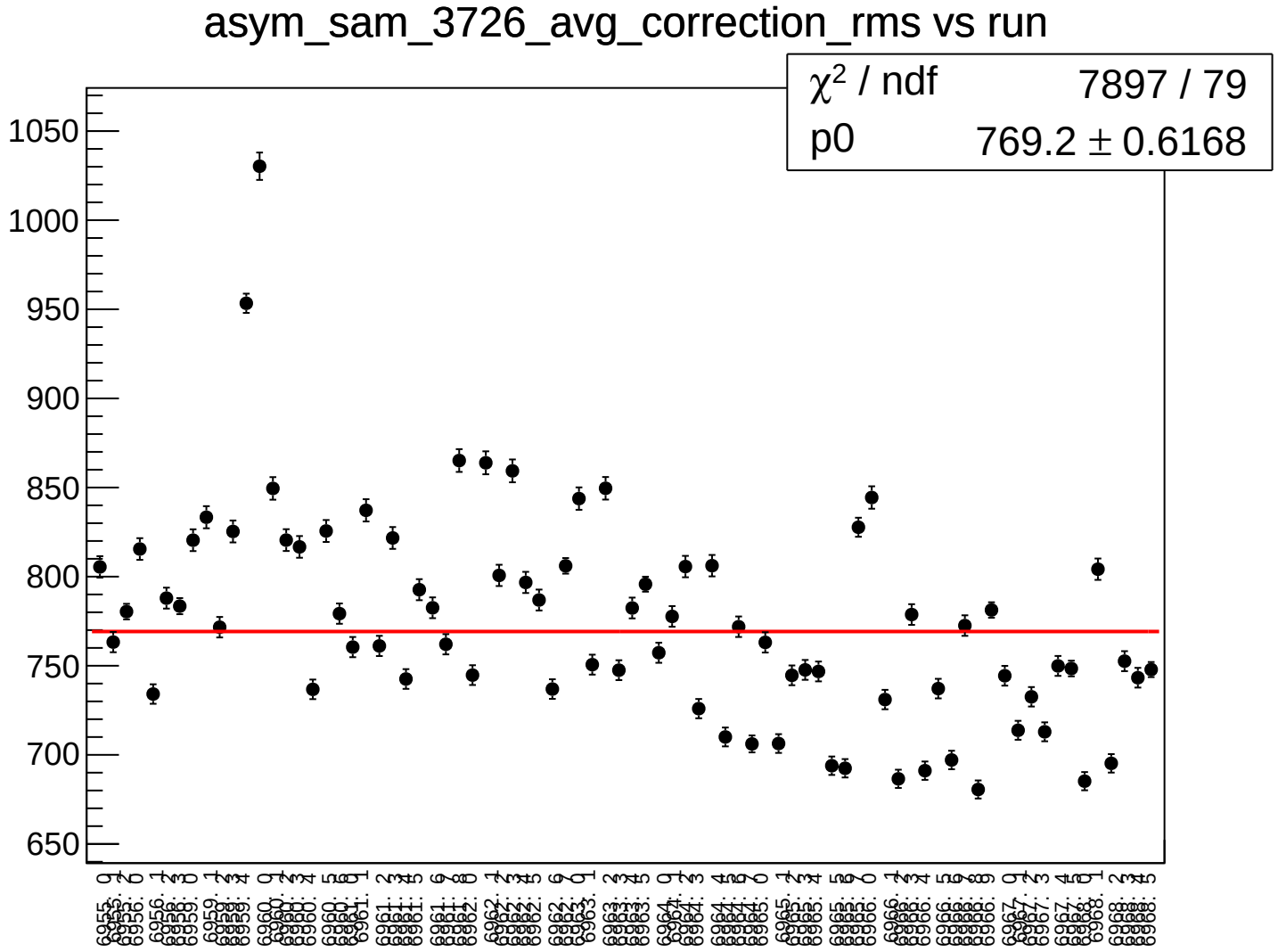

asym_sam_1526_avg_rms vs run
χ² / ndf 1.491e+04 / 79
p0 365.1 ± 0.2934
550
500
450
400
350
300

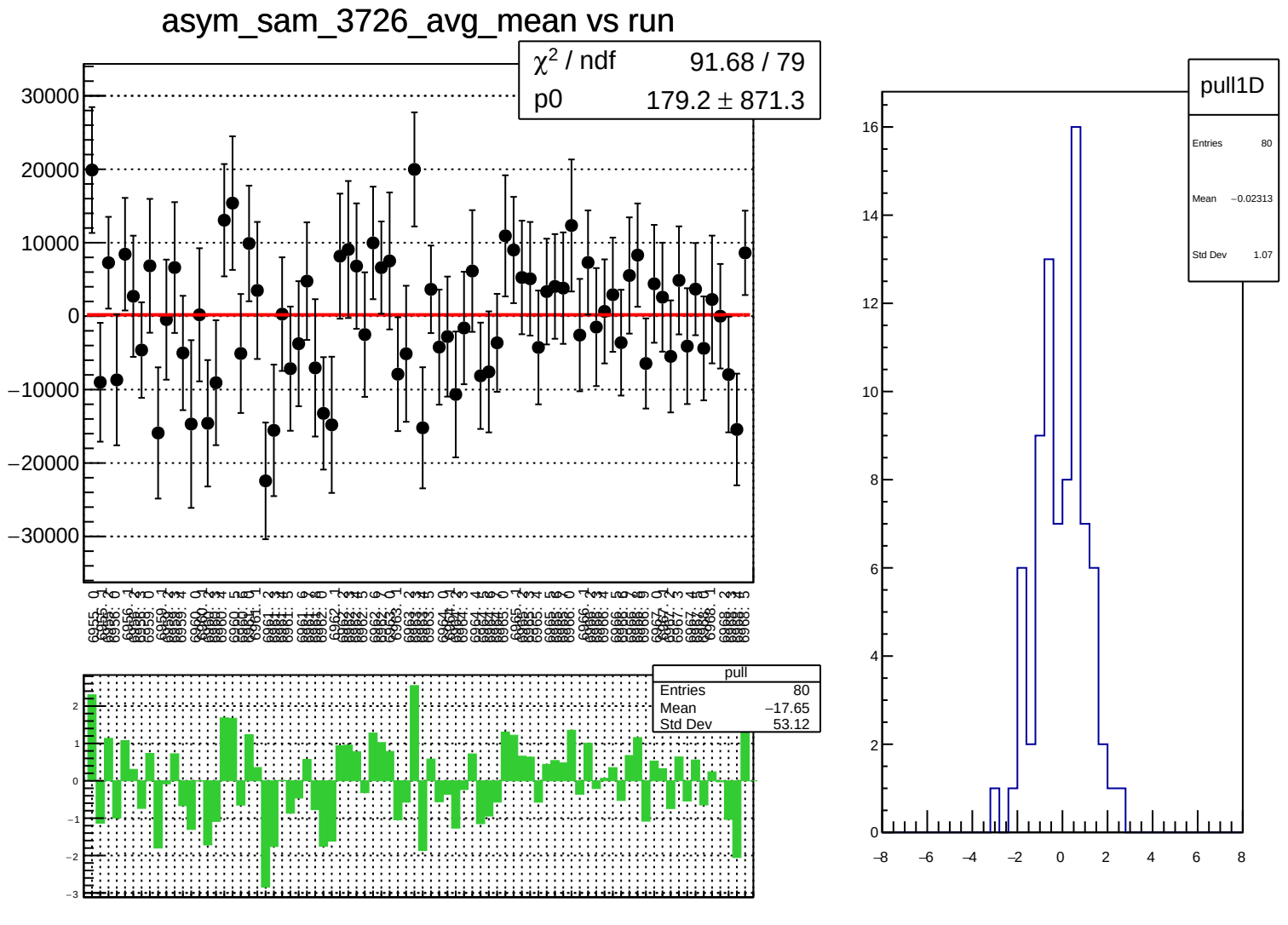

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 56.21 / 79
p0 68.56 ± 91.55
pull
Entries 80
Mean −917.8
Std Dev 962.8
pull1D
Entries 80
Mean 0.004285
Std Dev 0.8382

dit_asym_sam_3726_avg_rms vs run

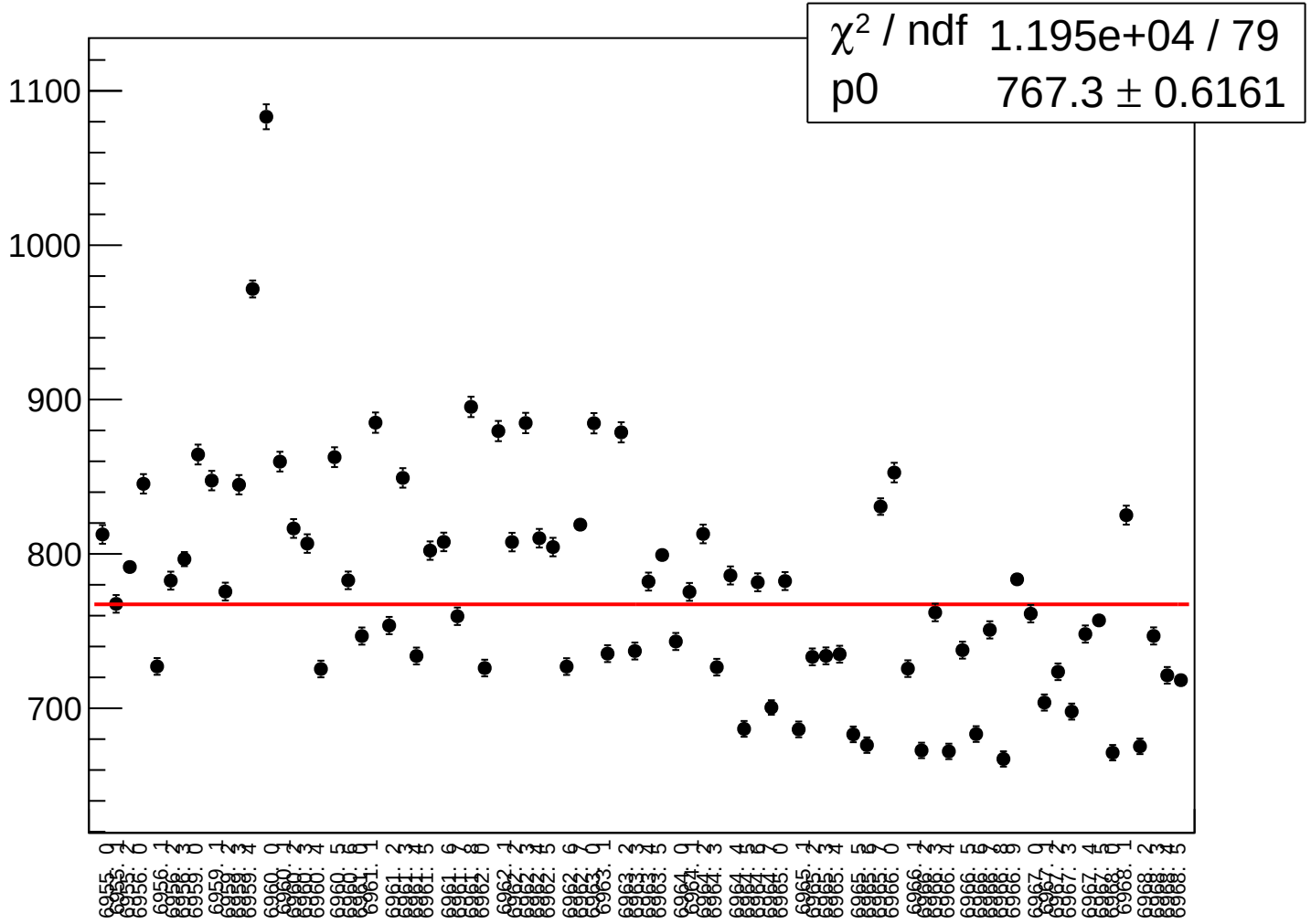


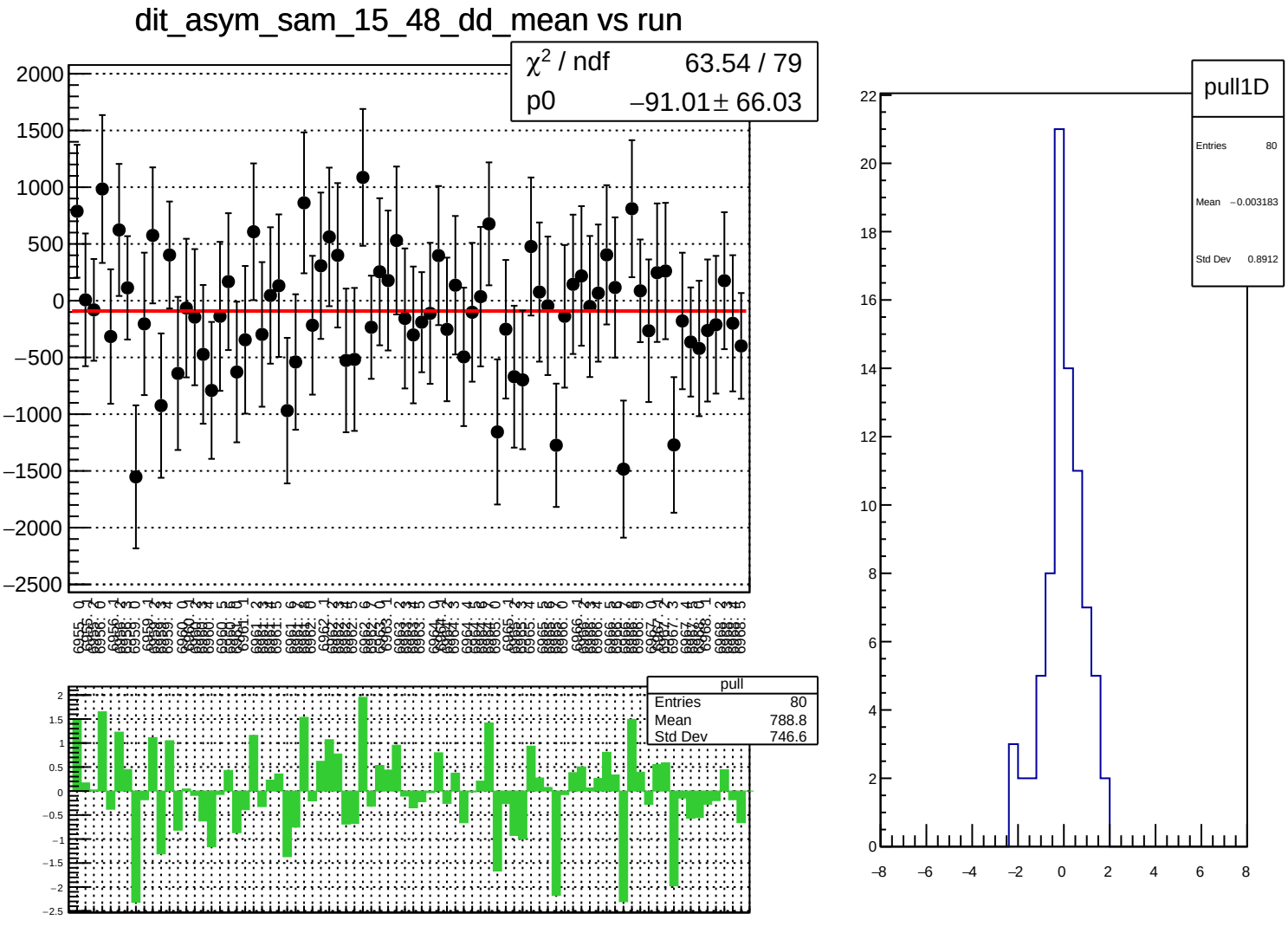

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 91.25 / 79
p0 −103.5 ± 872.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −37.35
Std Dev 75.34
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.02321
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_correction_rms vs run
χ² / ndf 7897 / 79
p0 769.2 ± 0.6168
1050
1000
950
900
850
800
750
700
650

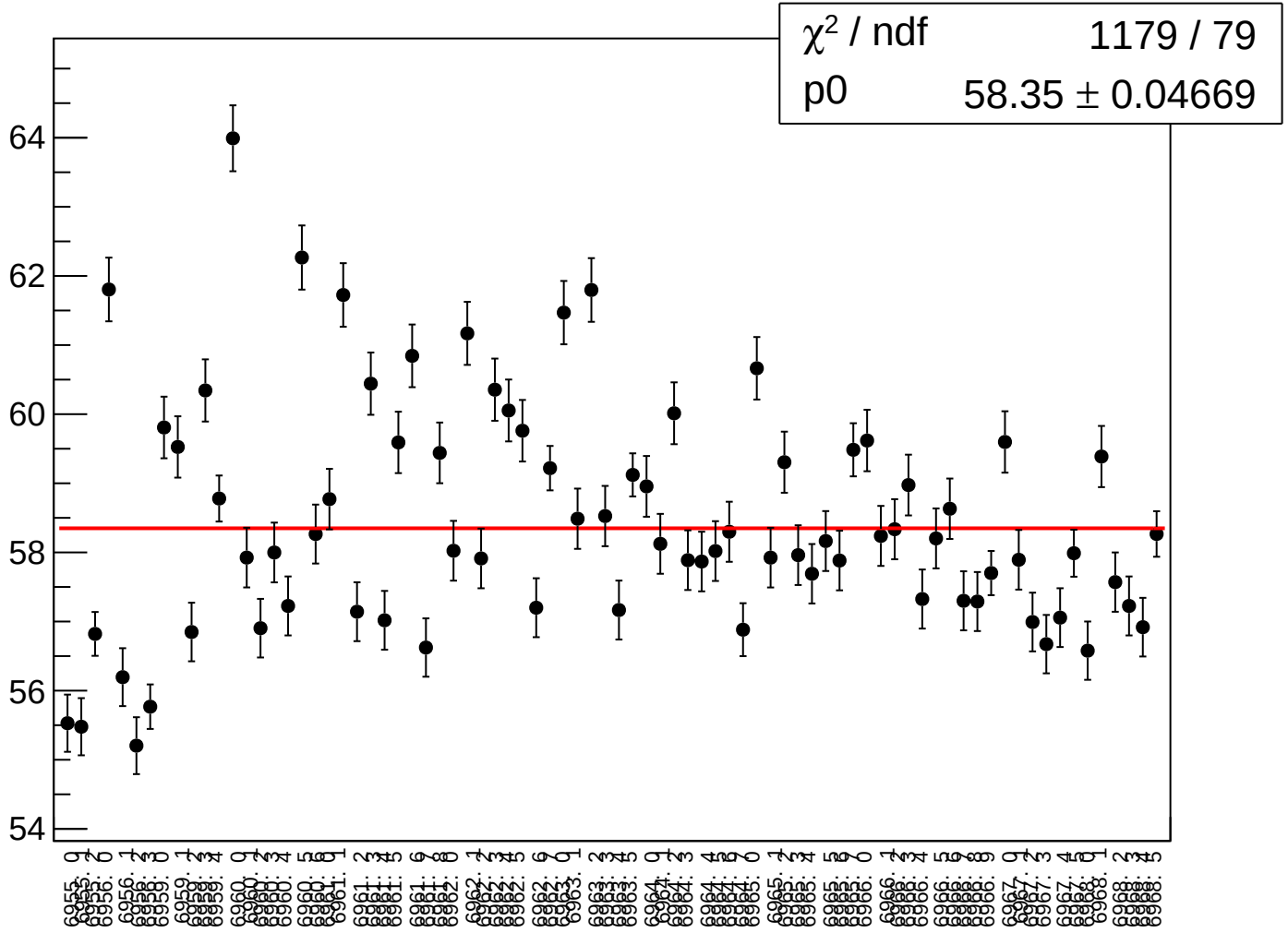

asym_sam_3726_avg_mean vs run
χ² / ndf 91.68 / 79
p0 179.2 ± 871.3
pull
Entries 80
Mean −17.65
Std Dev 53.12
pull1D
Entries 80
Mean −0.02313
Std Dev 1.07

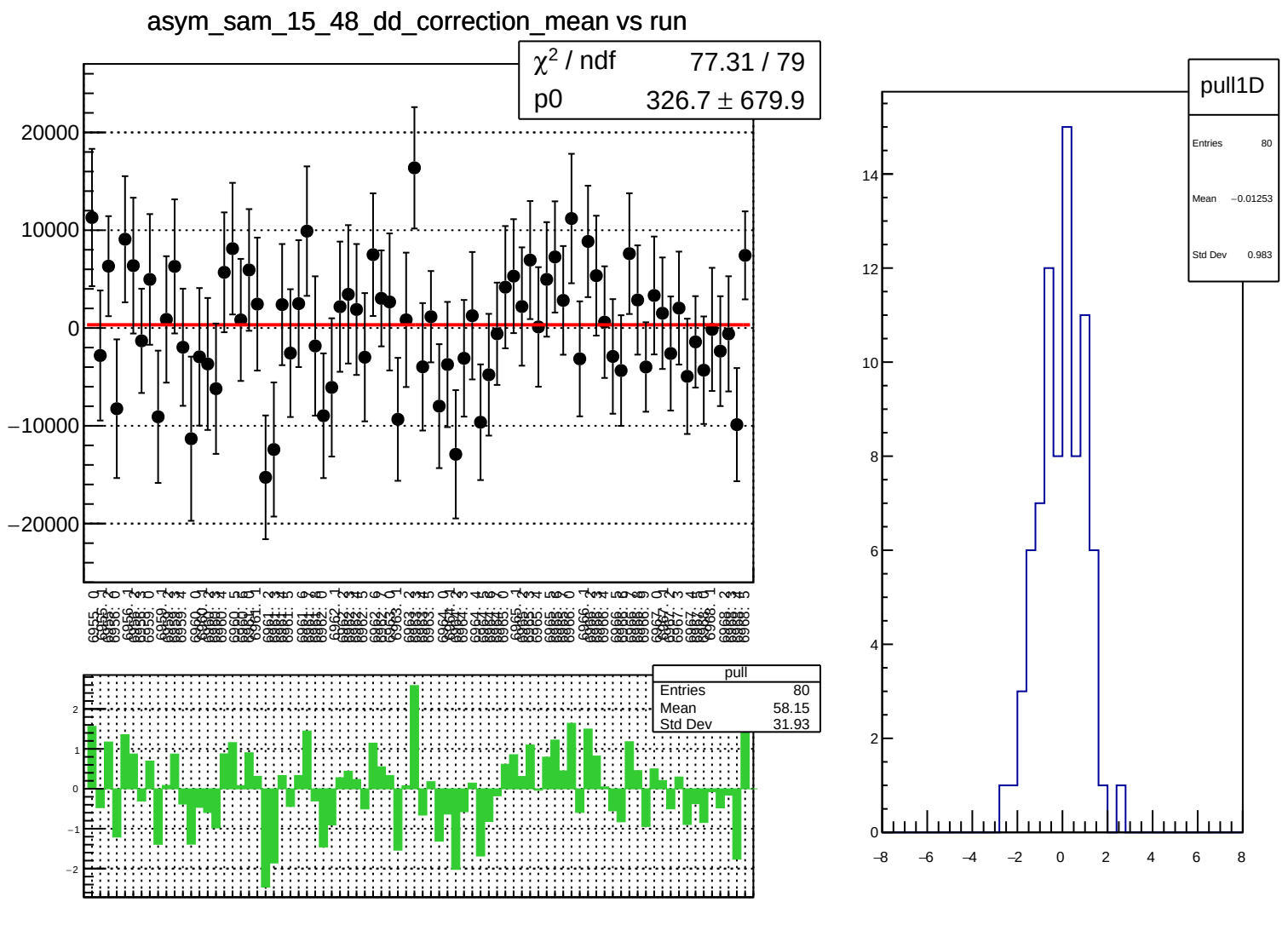
asym_sam_3726_avg_rms vs run

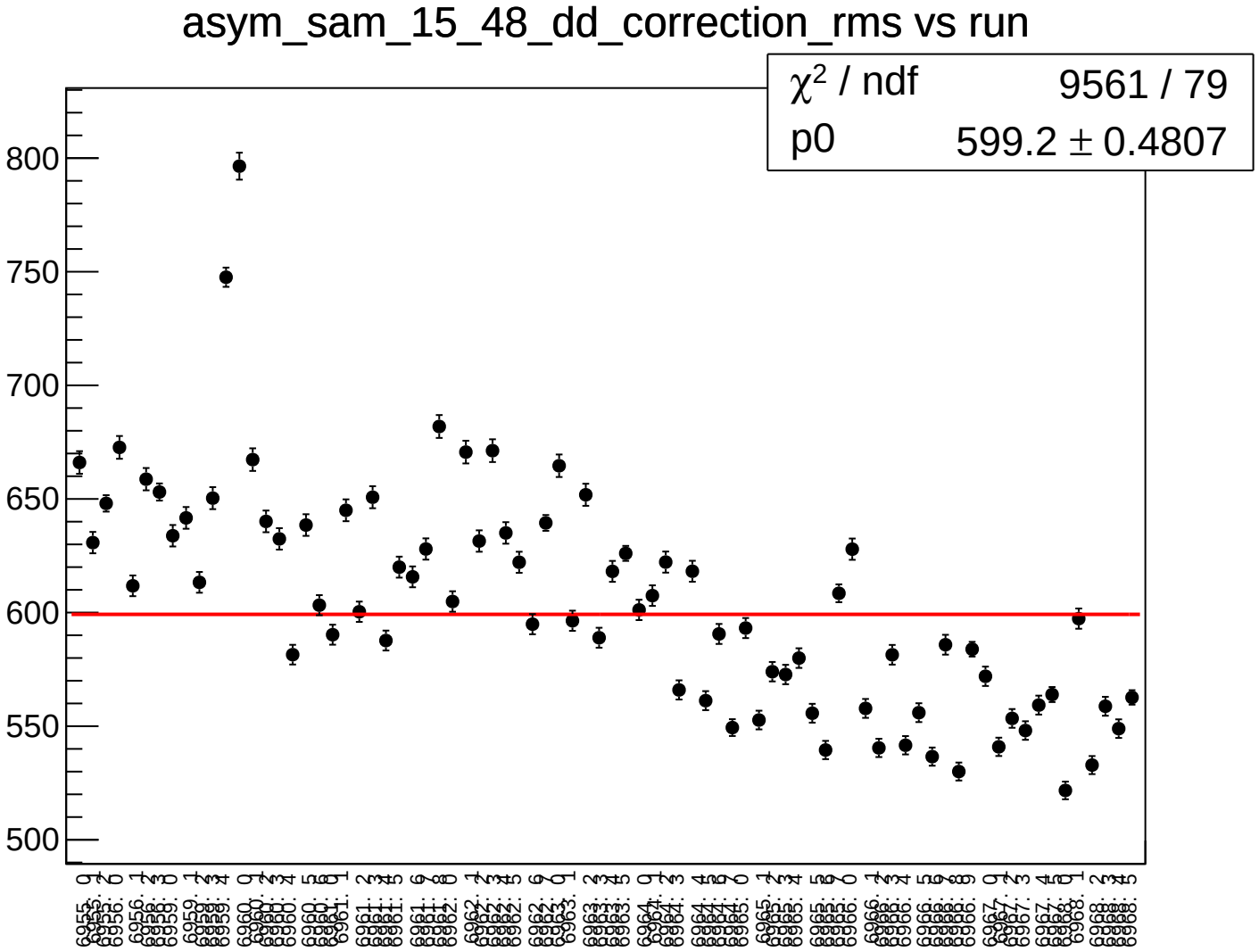


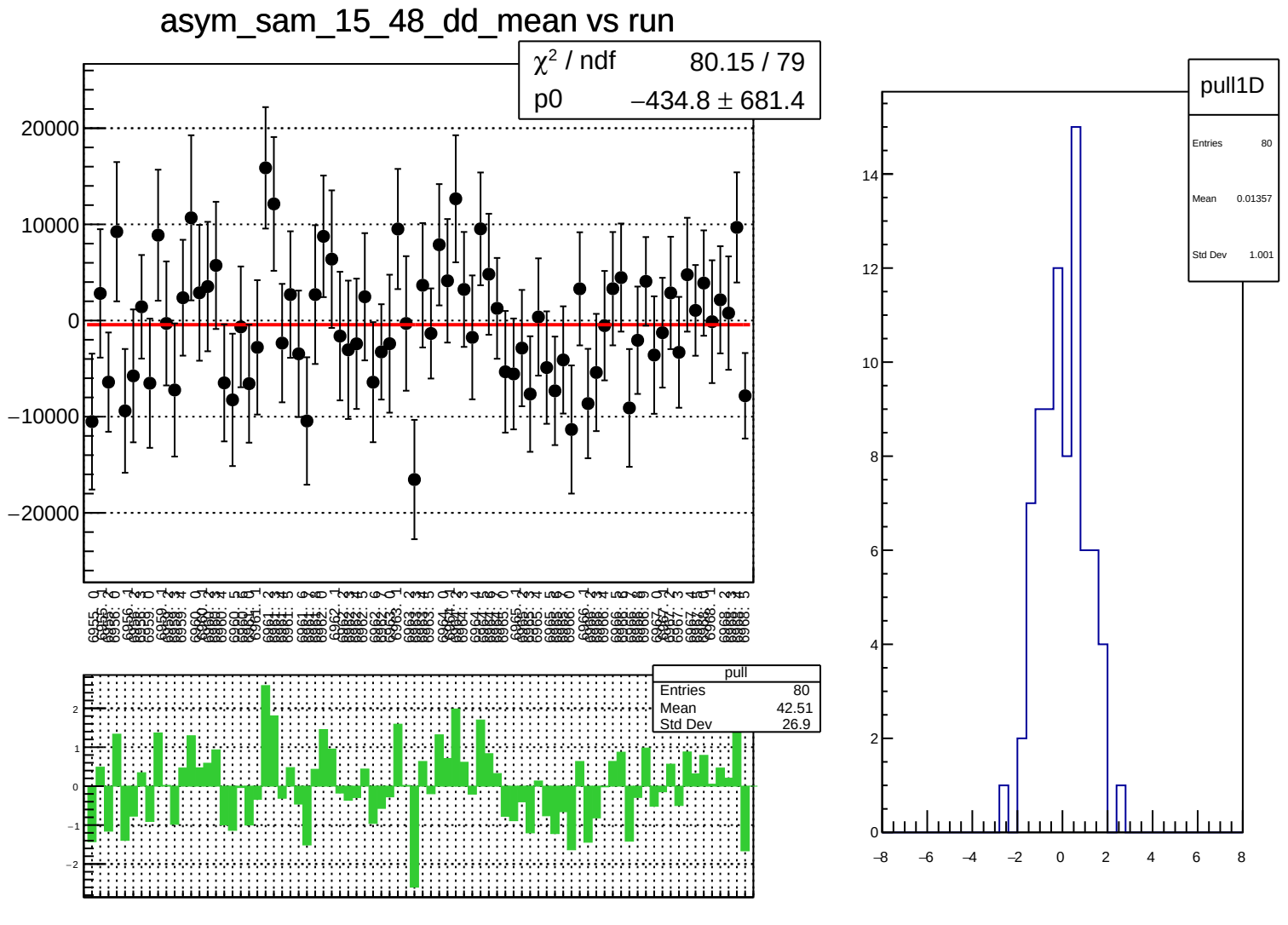

dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 63.54 / 79
p0 −91.01 ± 66.03
pull
Entries 80
Mean 788.8
Std Dev 746.6
pull1D
Entries 80
Mean −0.003183
Std Dev 0.8912

dit_asym_sam_15_48_dd_rms vs run

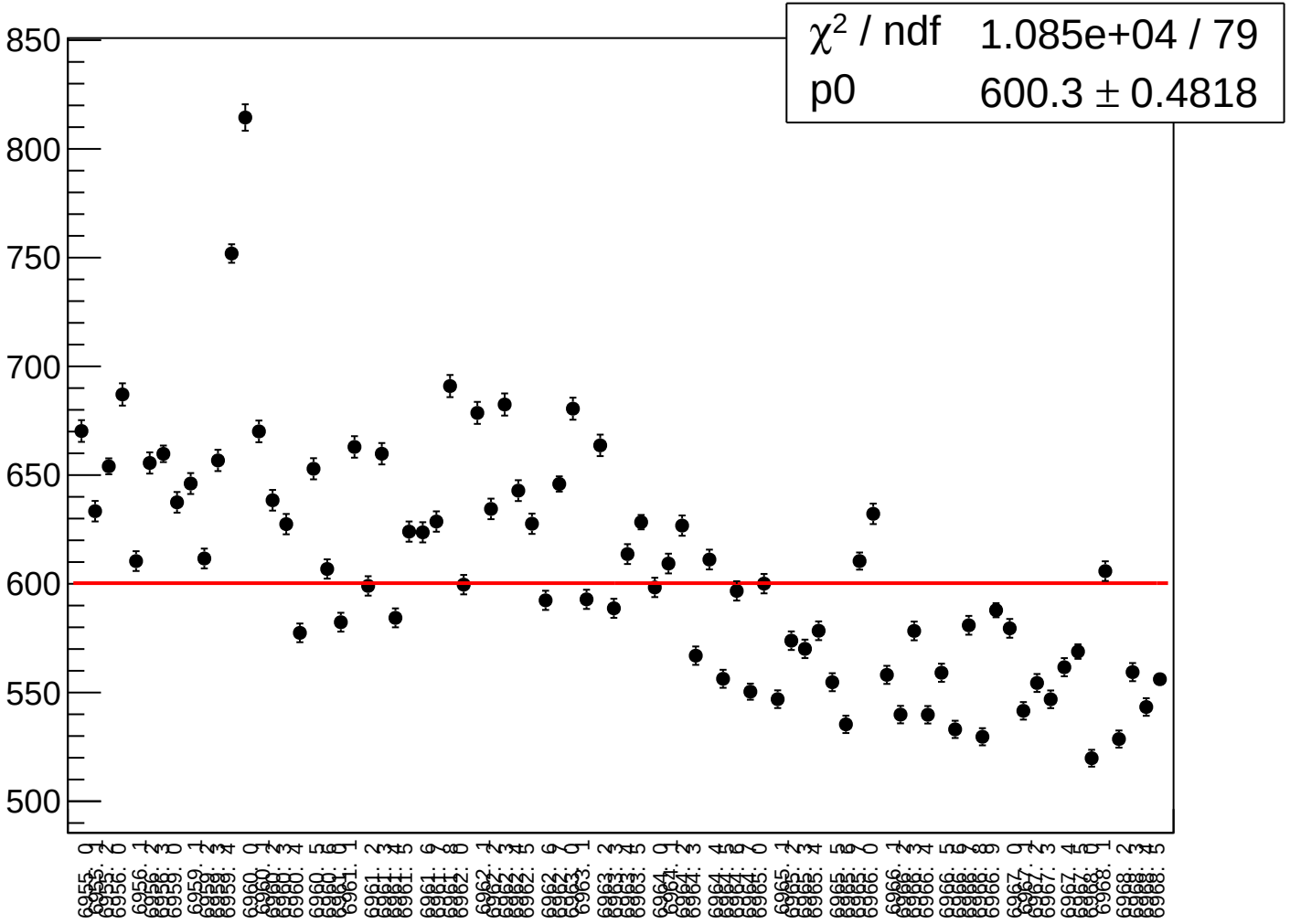



asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 77.31 / 79
p0 326.7 ± 679.9
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 58.15
Std Dev 31.93
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01253
Std Dev 0.983
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

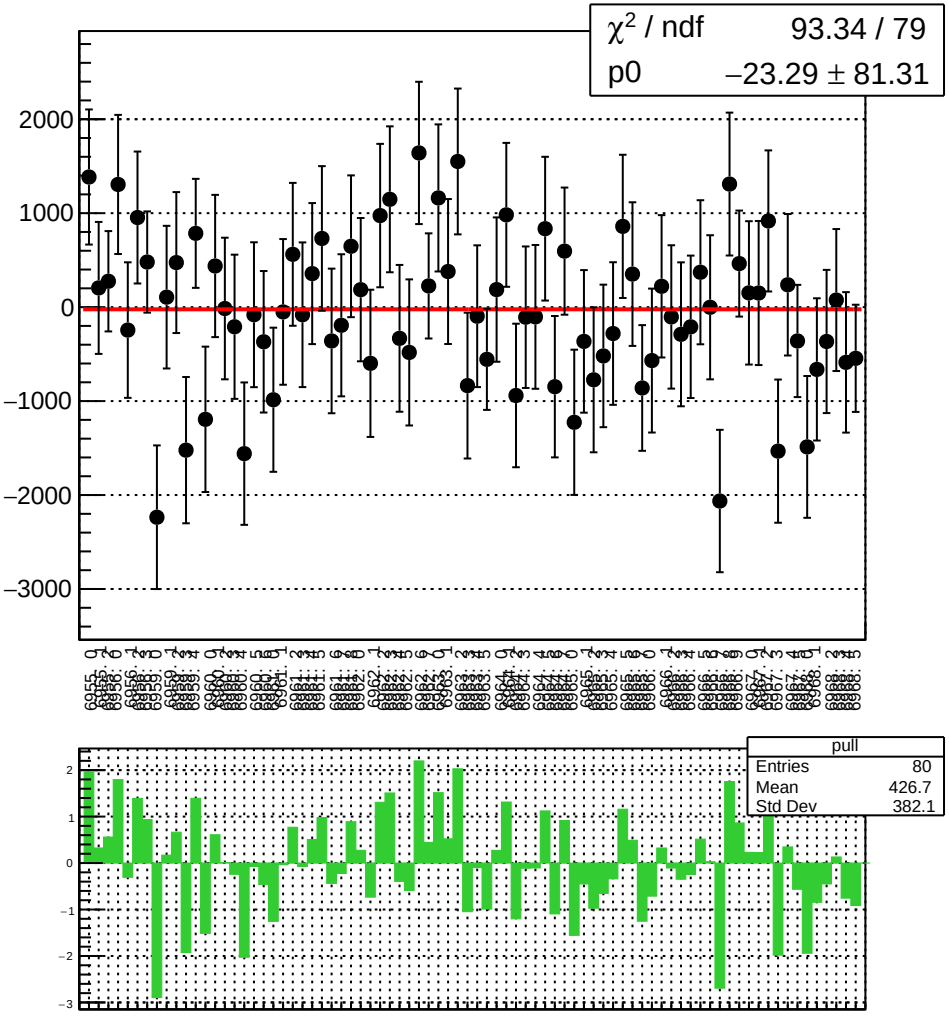

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 9561 / 79
p0 599.2 ± 0.4807
800
750
700
650
600
550
500

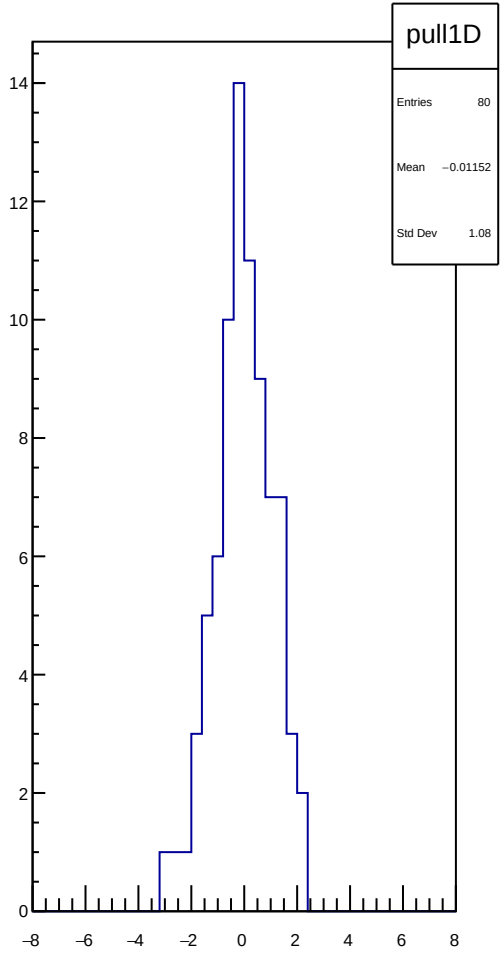

asym_sam_15_48_dd_mean vs run
χ² / ndf 80.15 / 79
p0 −434.8 ± 681.4
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 42.51
Std Dev 26.9
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01357
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_48_dd_rms vs run

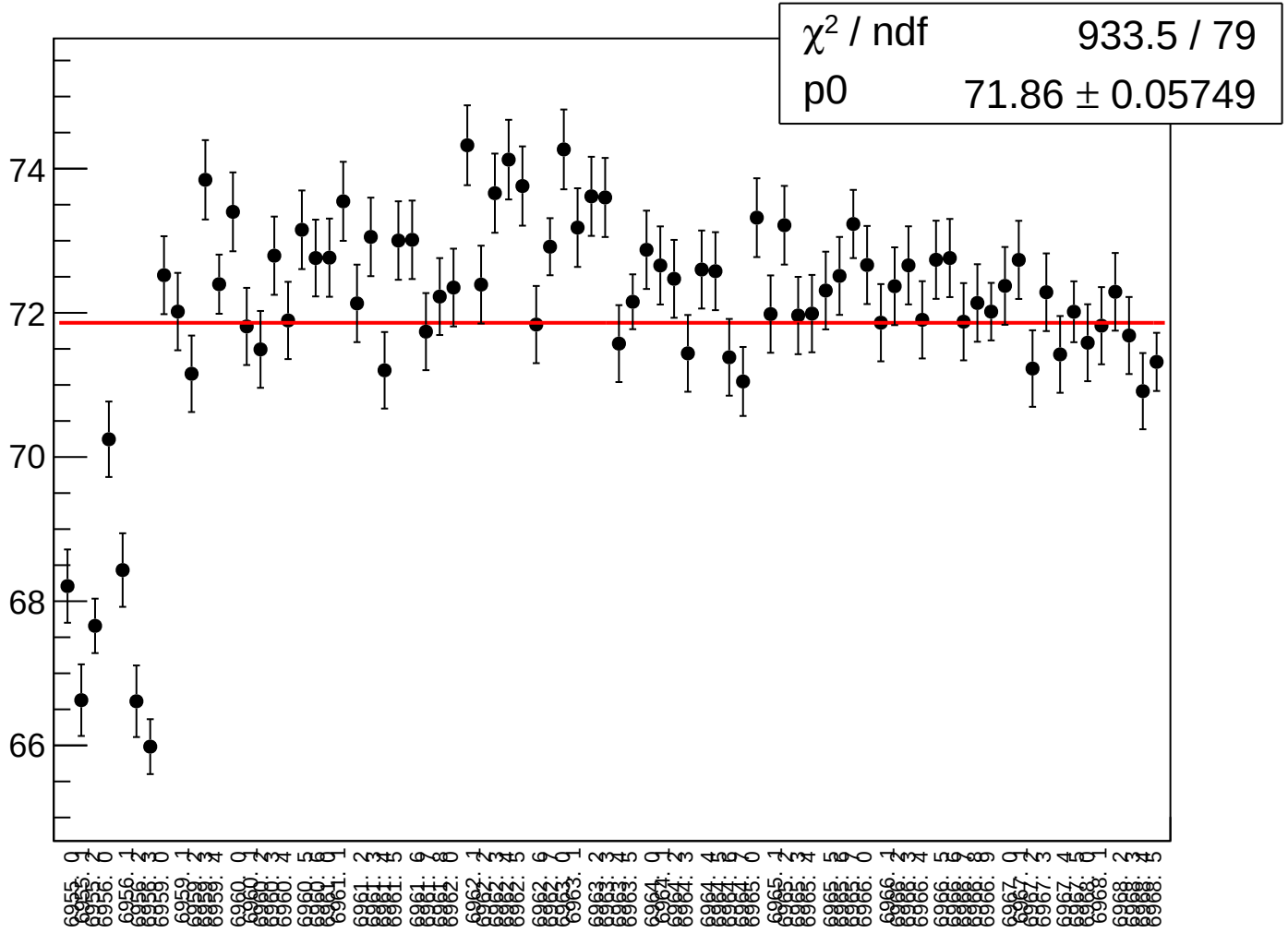


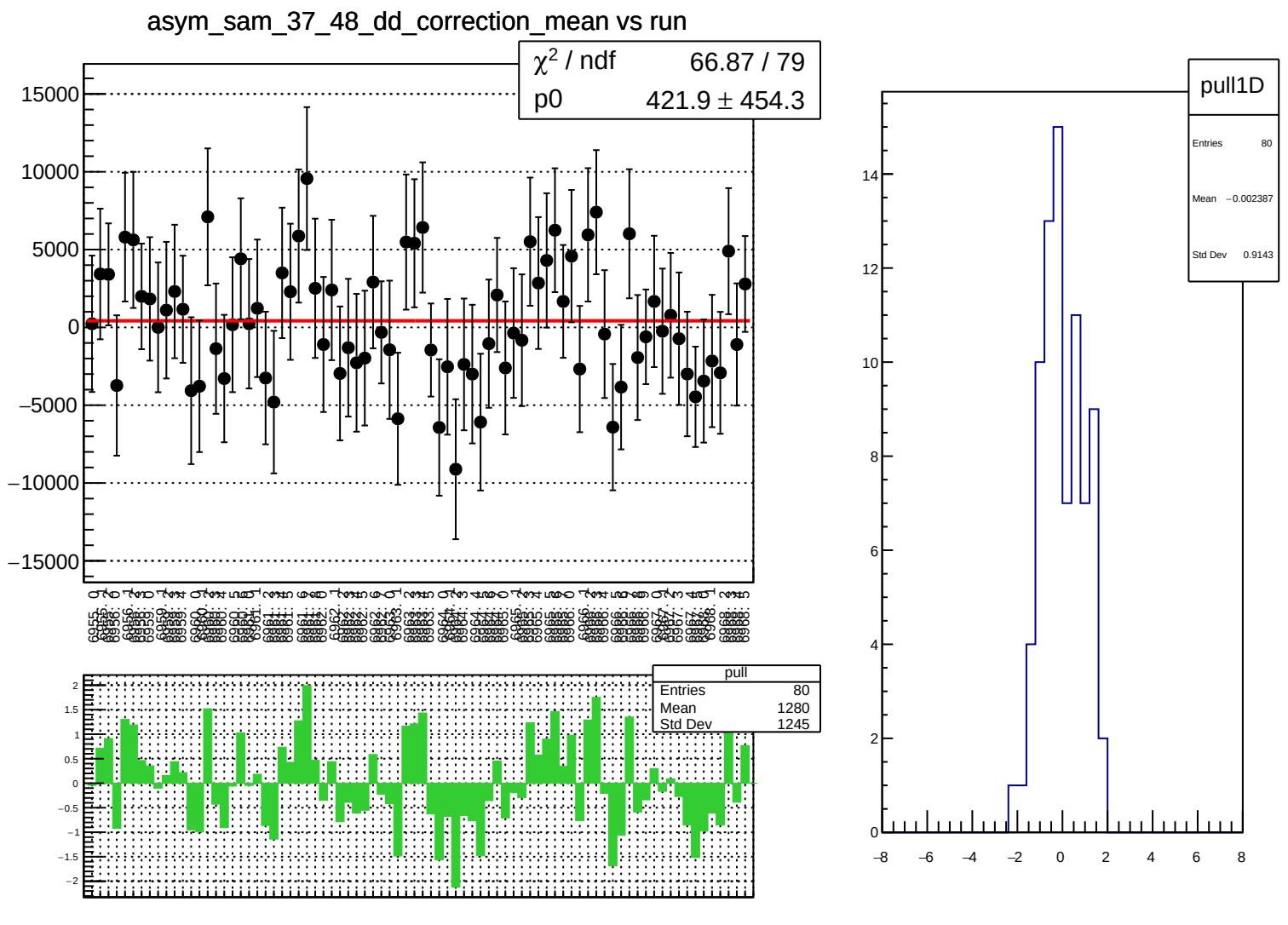
dit_asym_sam_37_48_dd_mean vs run

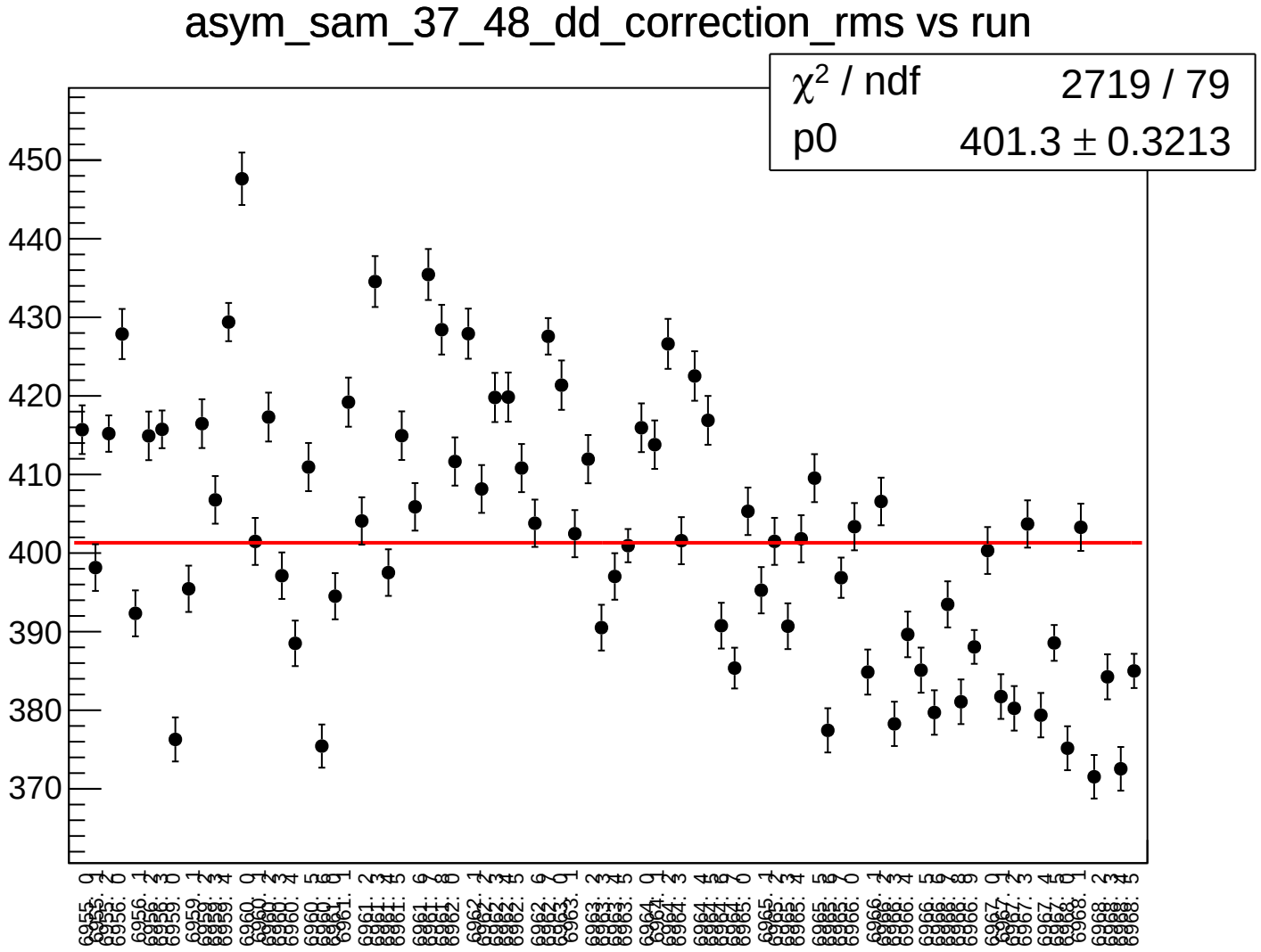


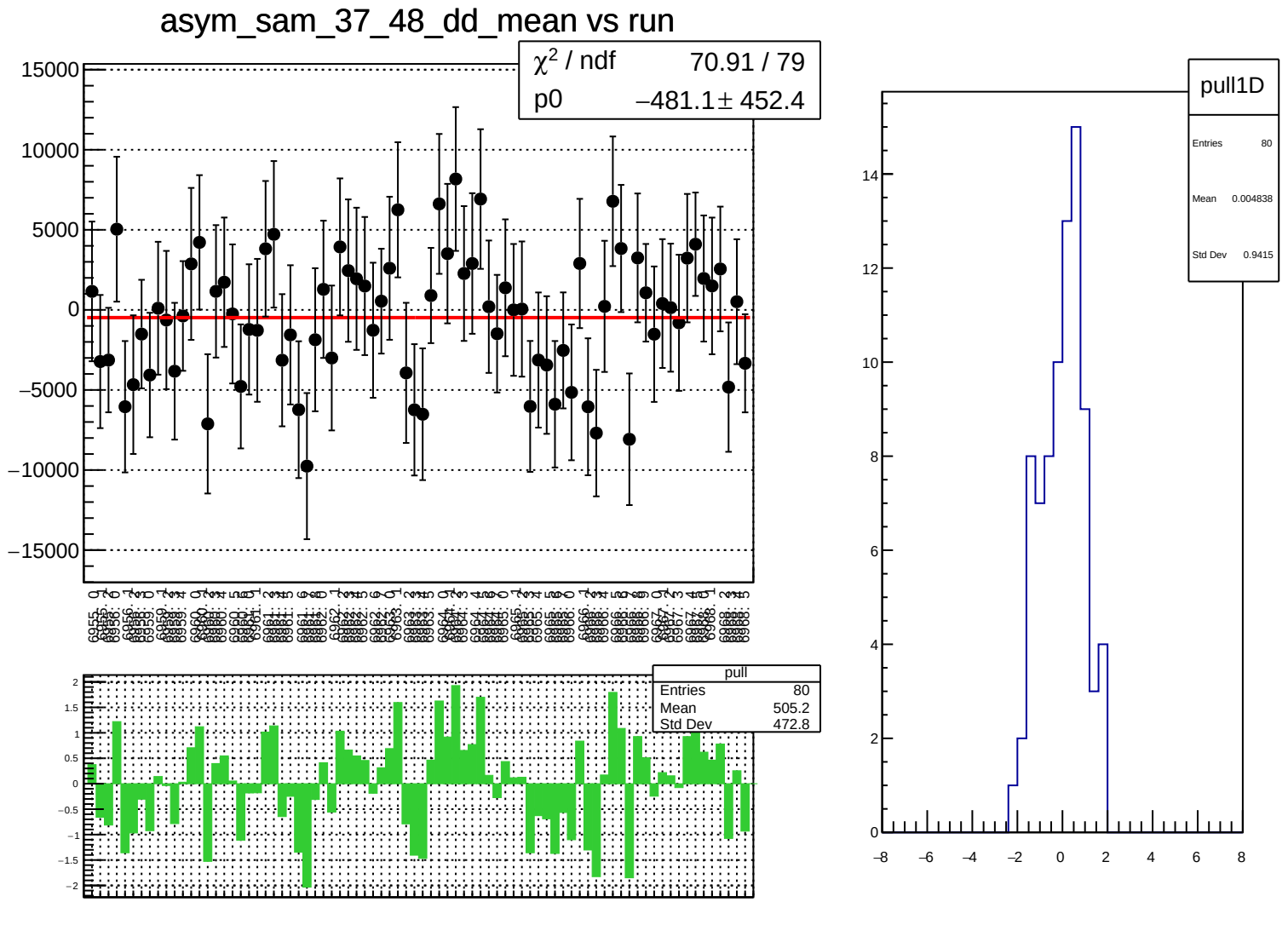


dit_asym_sam_37_48_dd_rms vs run

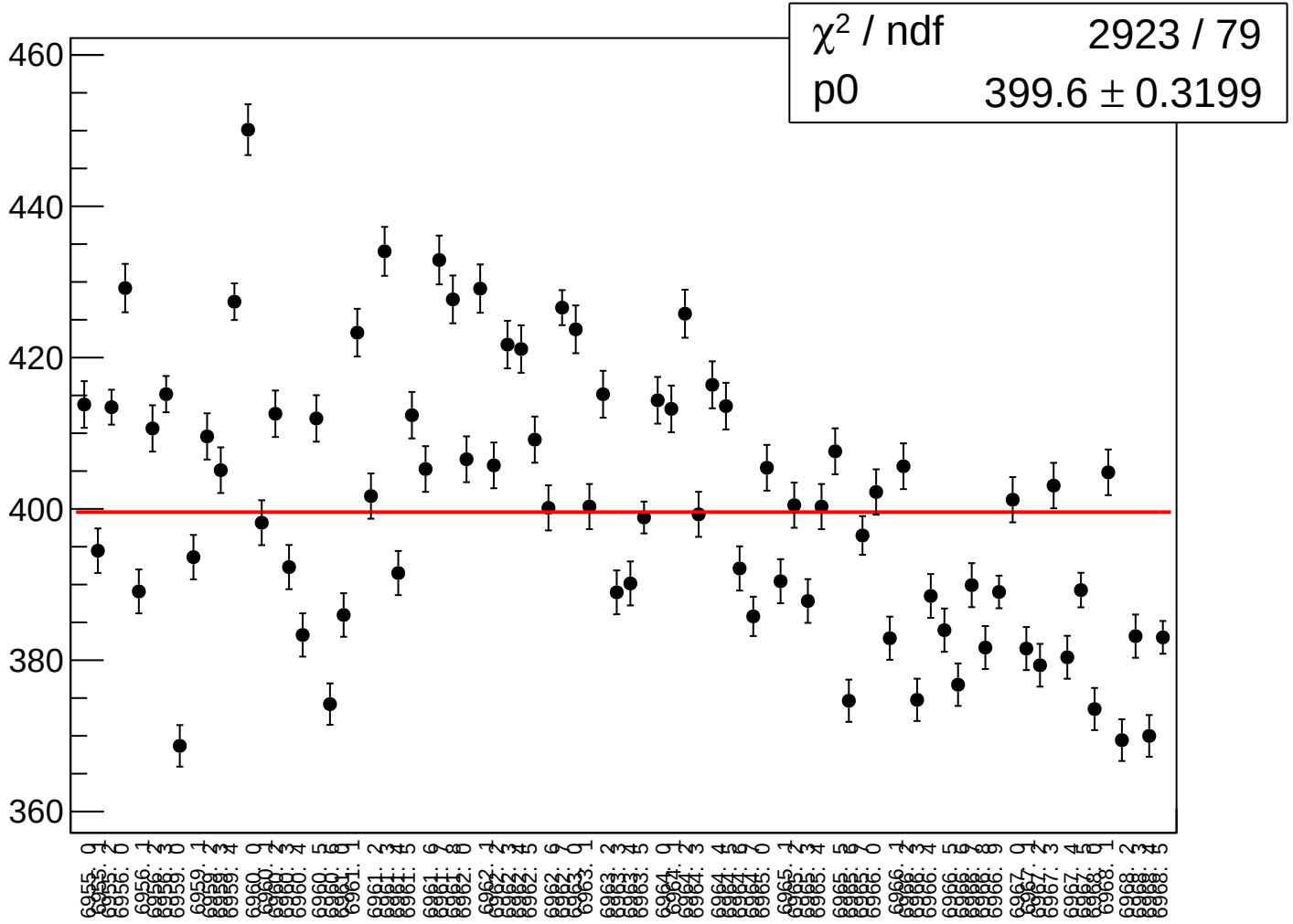


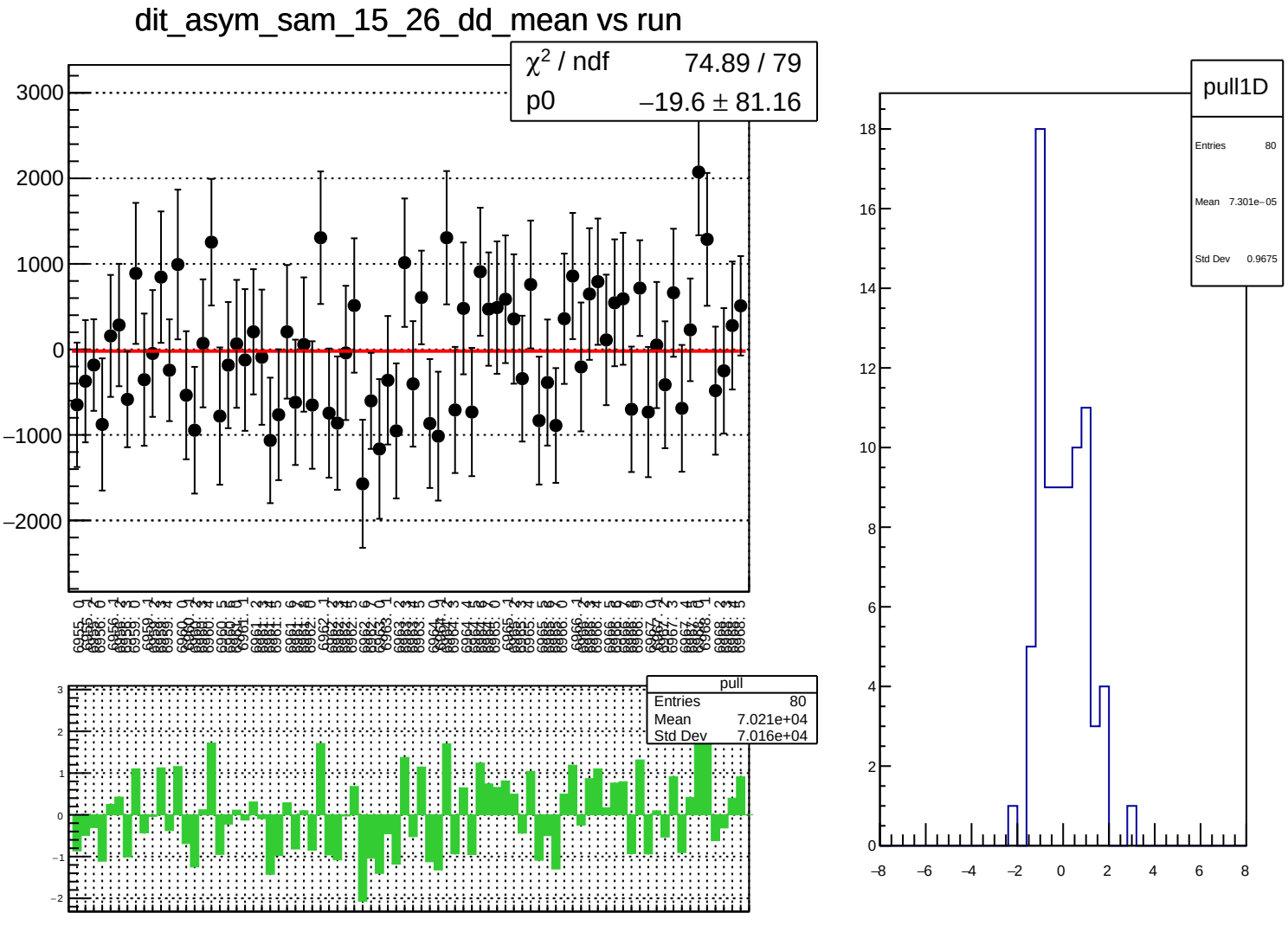

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 66.87 / 79
p0 421.9 ± 454.3
pull
Entries 80
Mean 1280
Std Dev 1245
pull1D
Entries 80
Mean −0.002387
Std Dev 0.9143


asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2719 / 79
p0 401.3 ± 0.3213
450
440
430
420
410
400
390
380
370

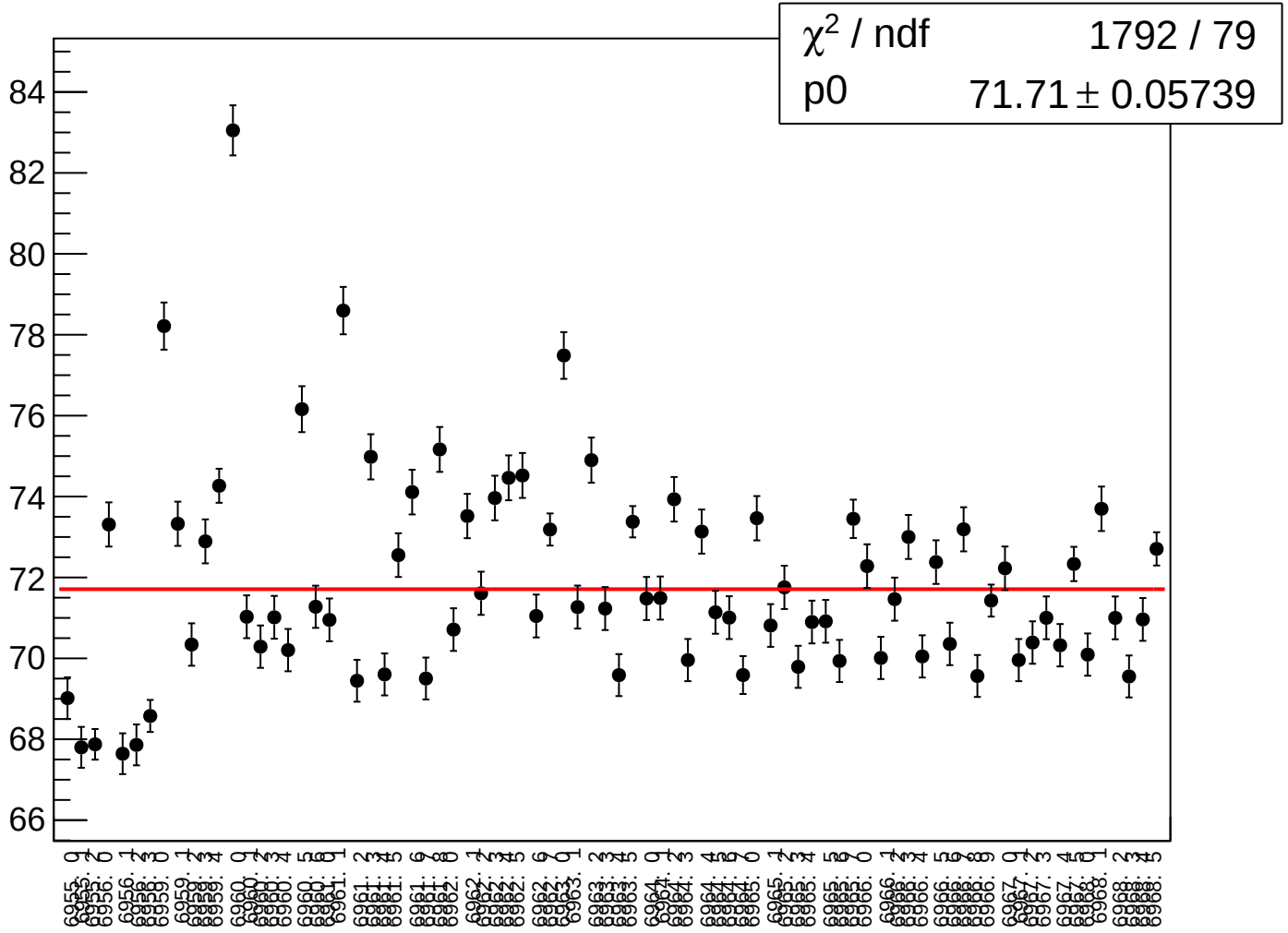

asym_sam_37_48_dd_mean vs run
χ² / ndf 70.91 / 79
p0 −481.1 ± 452.4
pull
Entries 80
Mean 505.2
Std Dev 472.8
pull1D
Entries 80
Mean 0.004838
Std Dev 0.9415

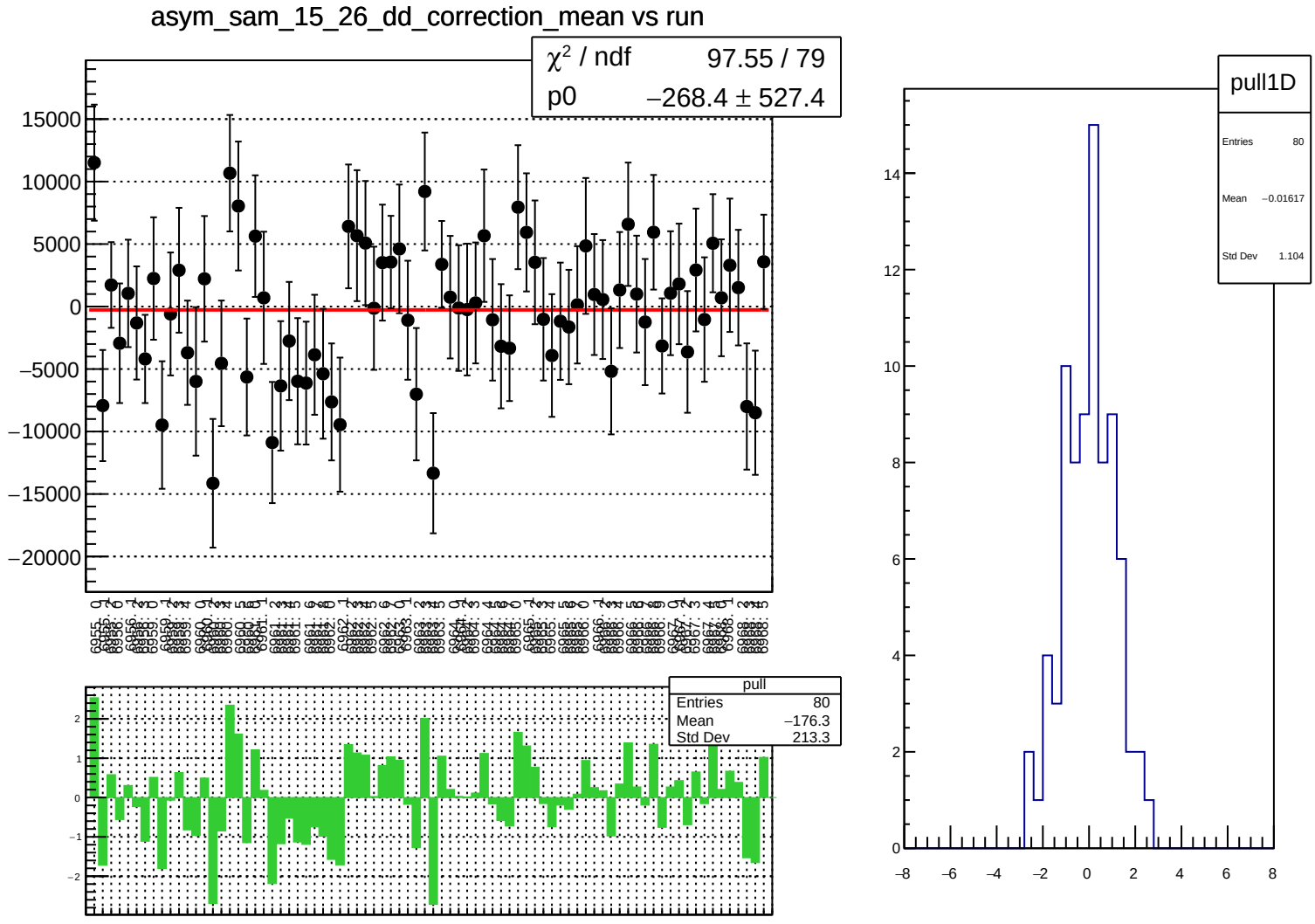
asym_sam_37_48_dd_rms vs run

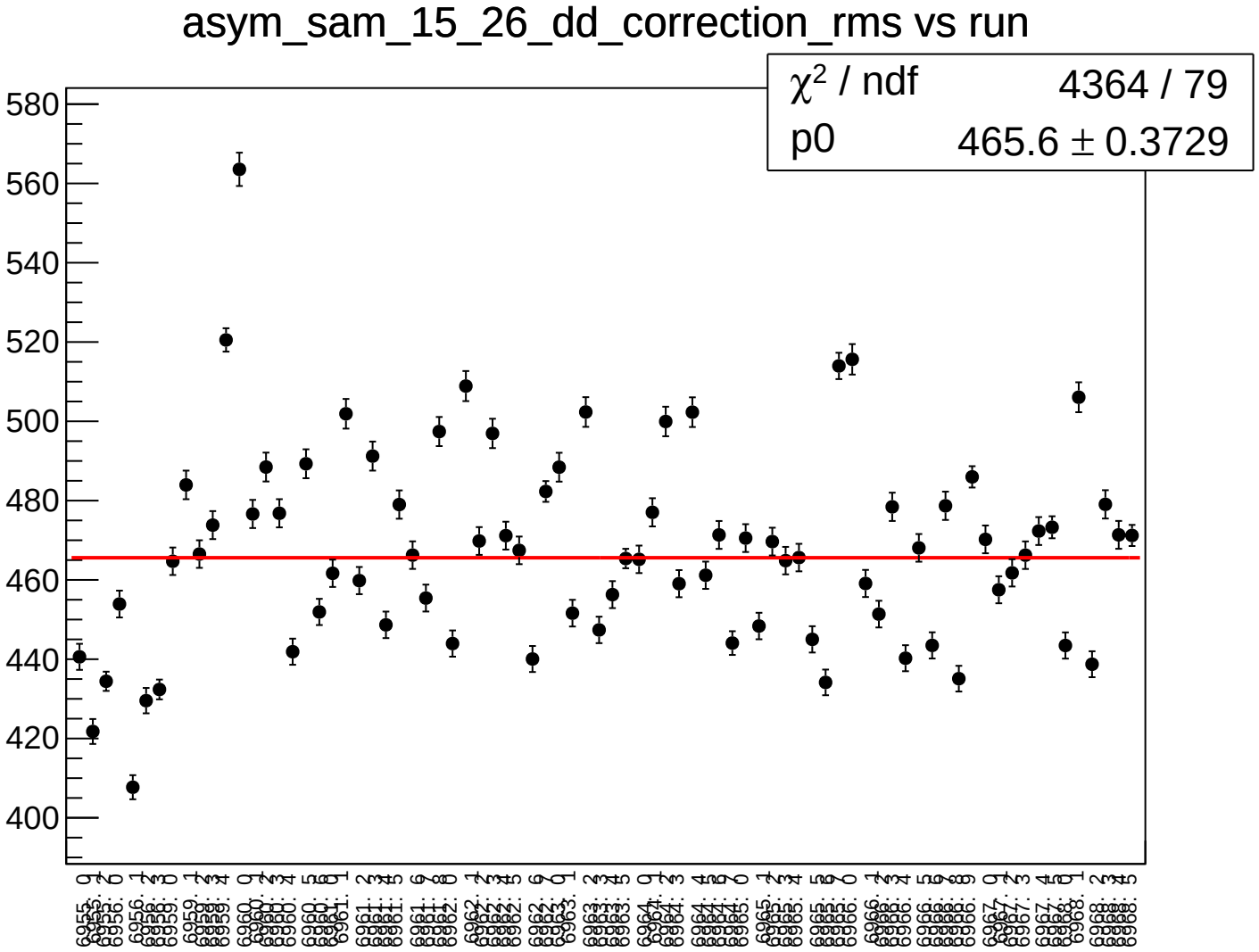


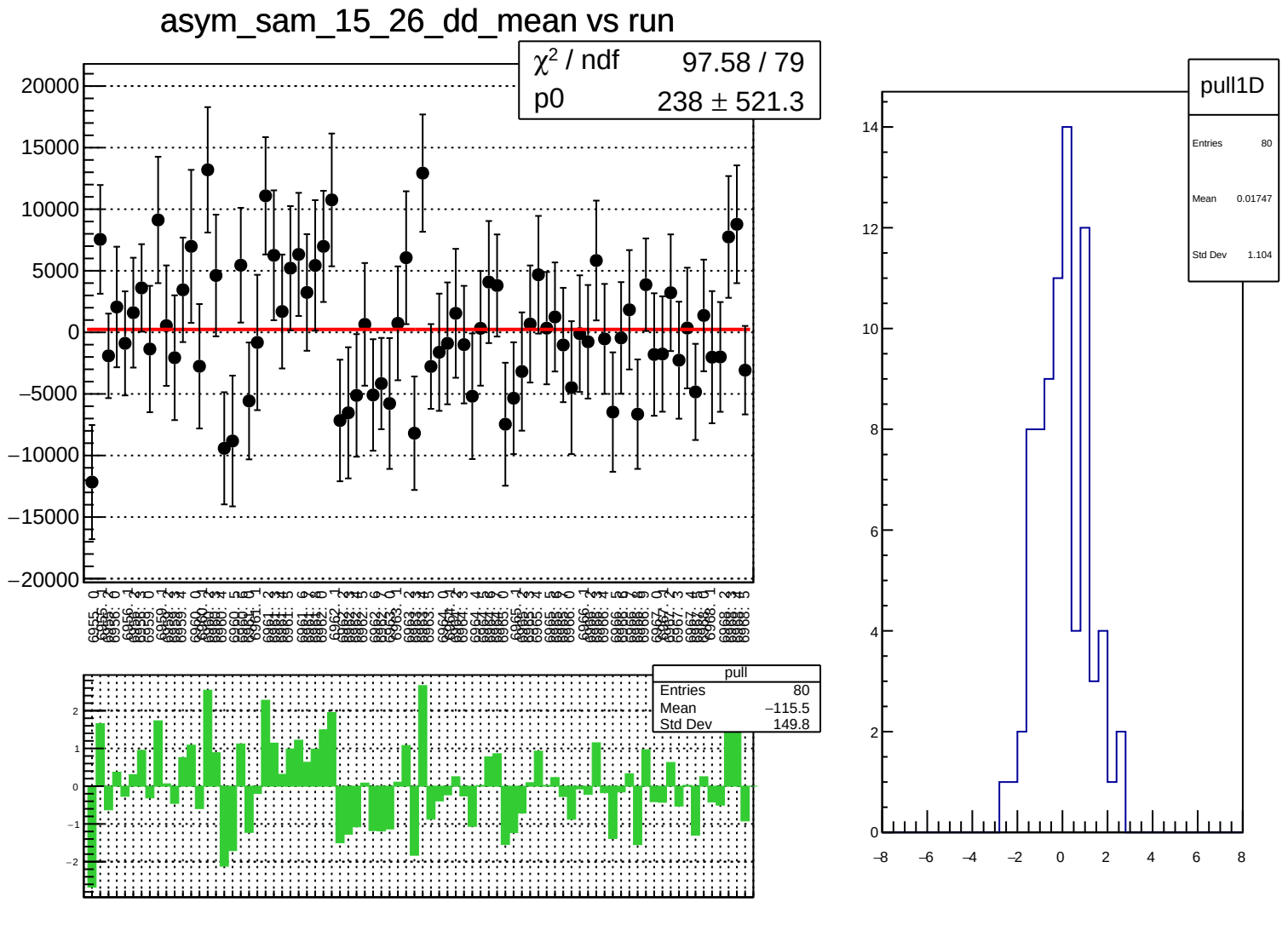

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 74.89 / 79
p0 −19.6 ± 81.16
pull
Entries 80
Mean 7.021e+04
Std Dev 7.016e+04
pull1D
Entries 80
Mean 7.301e−05
Std Dev 0.9675

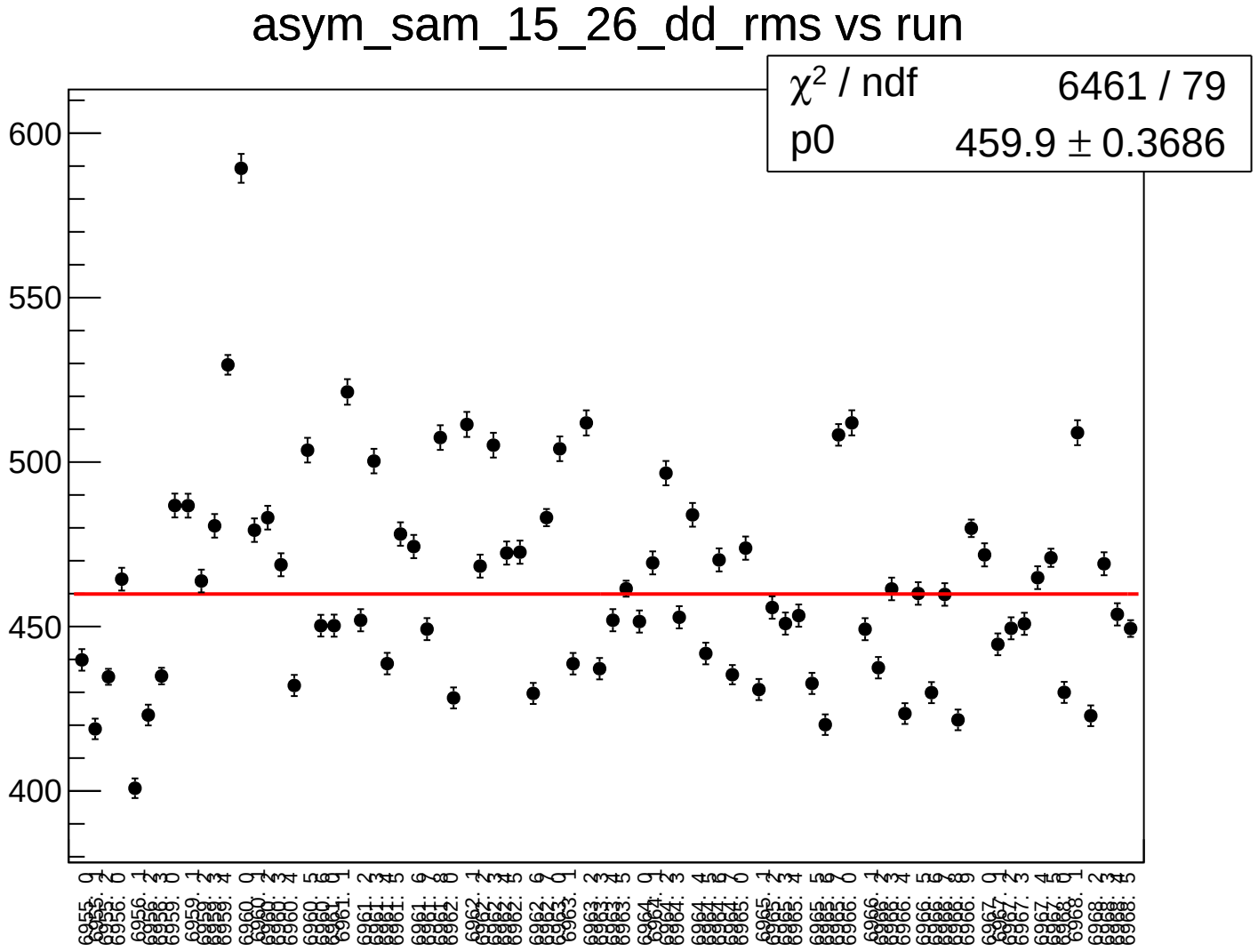
dit_asym_sam_15_26_dd_rms vs run

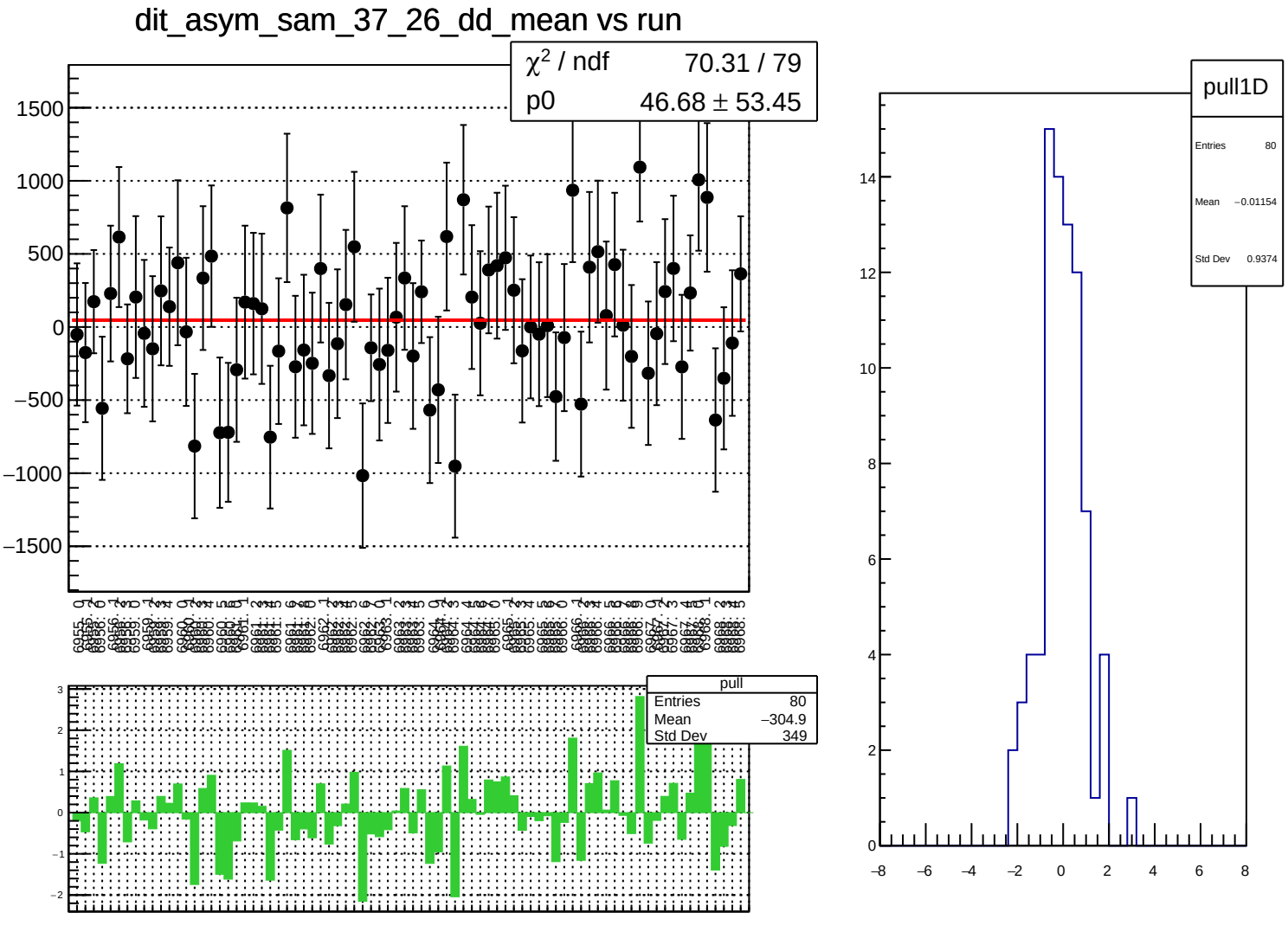



asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 97.55 / 79
p0 −268.4 ± 527.4
pull
Entries 80
Mean −176.3
Std Dev 213.3
pull1D
Entries 80
Mean −0.01617
Std Dev 1.104

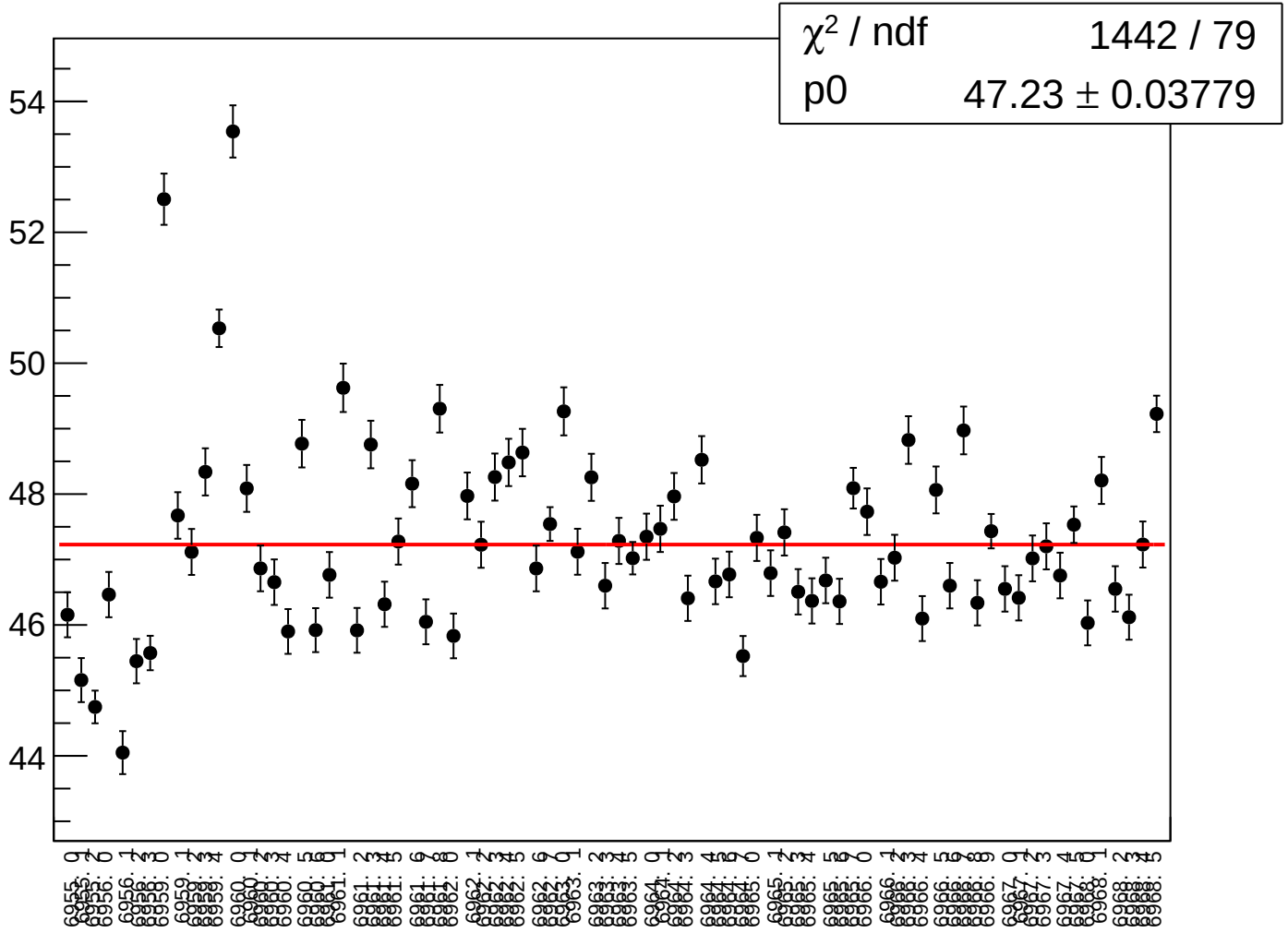

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4364 / 79
p0 465.6 ± 0.3729
580
560
540
520
500
480
460
440
420
400

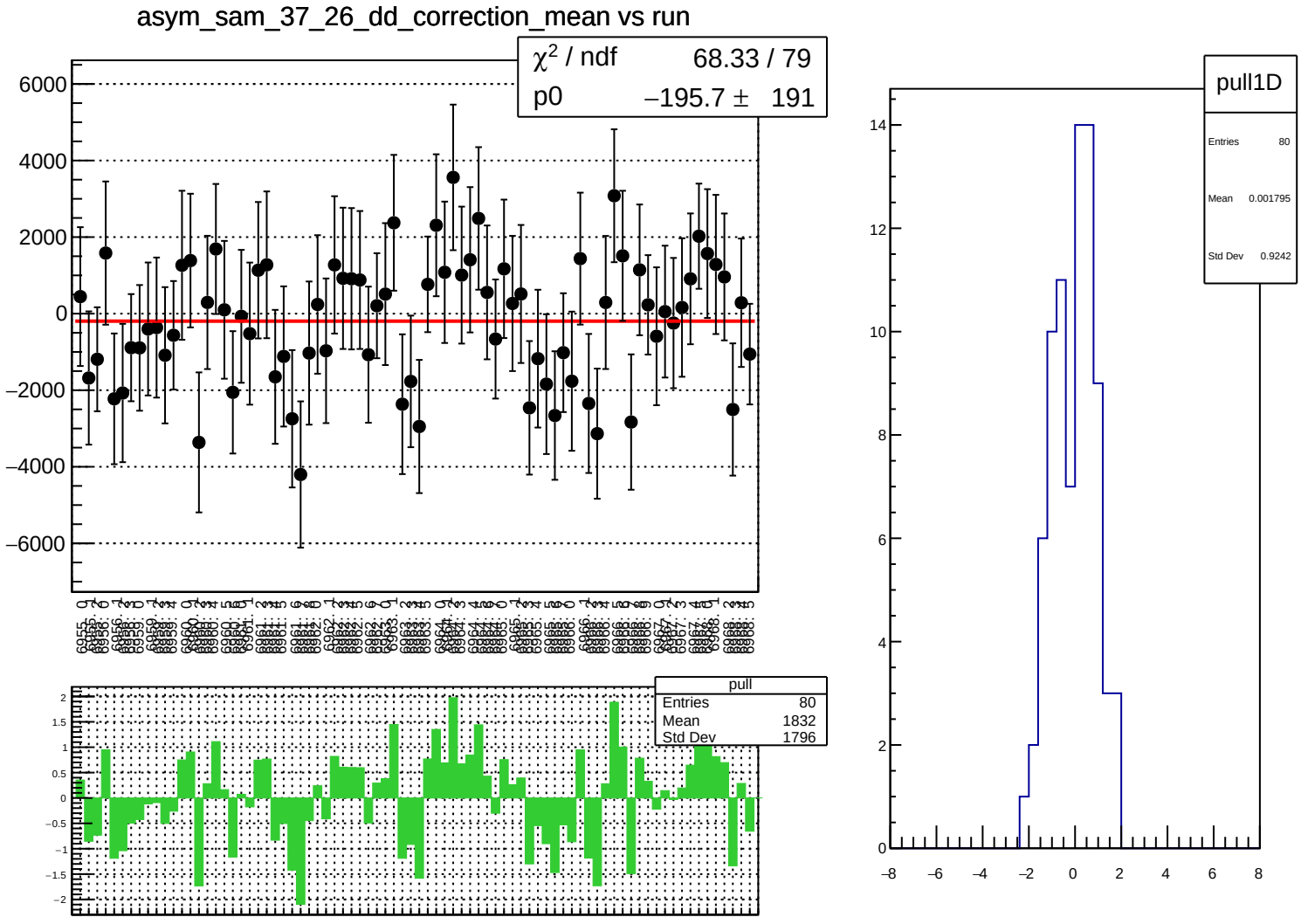

asym_sam_15_26_dd_mean vs run
χ² / ndf 97.58 / 79
p0 238 ± 521.3
pull
Entries 80
Mean −115.5
Std Dev 149.8
pull1D
Entries 80
Mean 0.01747
Std Dev 1.104

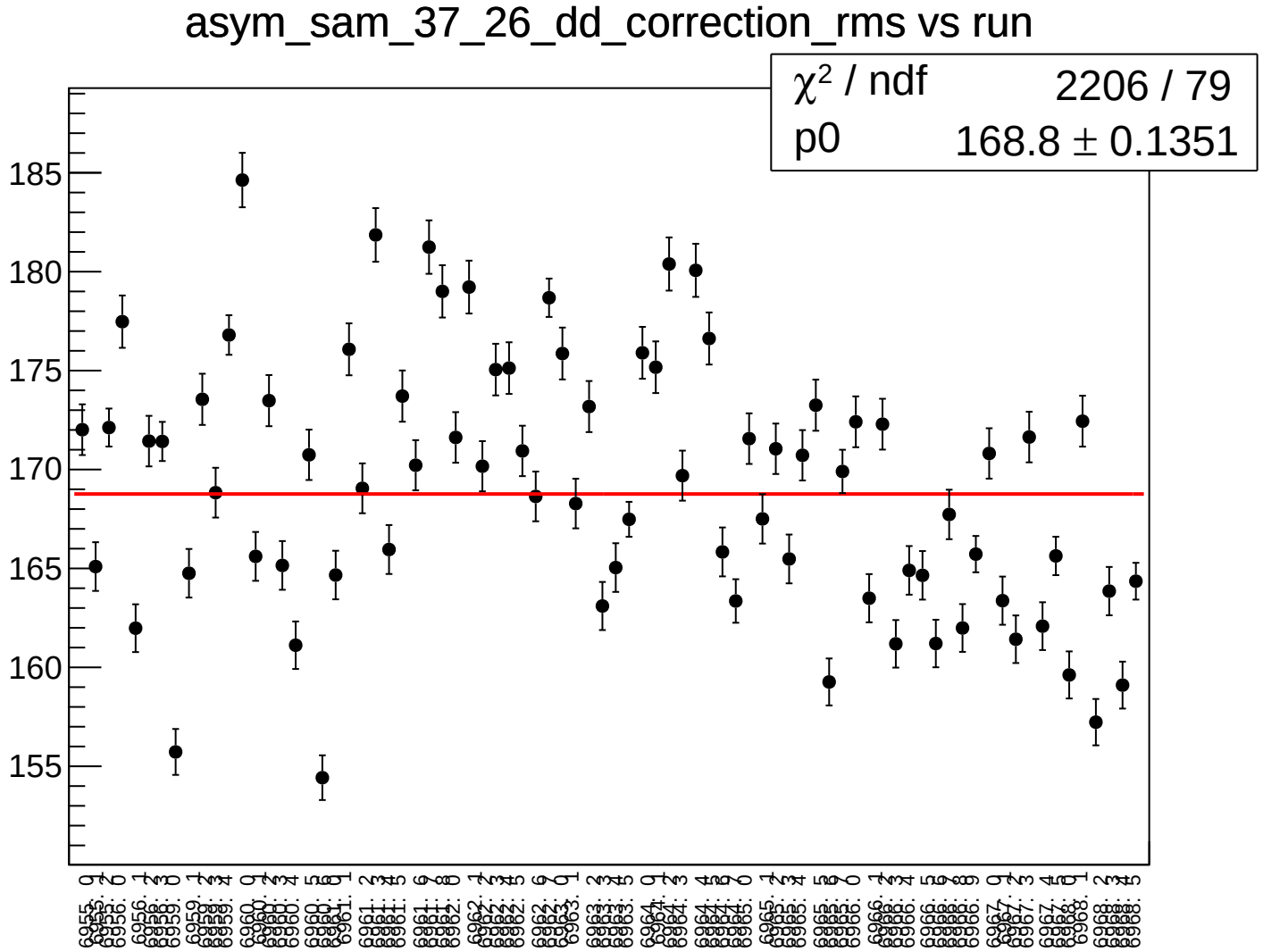

asym_sam_15_26_dd_rms vs run
χ² / ndf 6461 / 79
p0 459.9 ± 0.3686
600
550
500
450
400

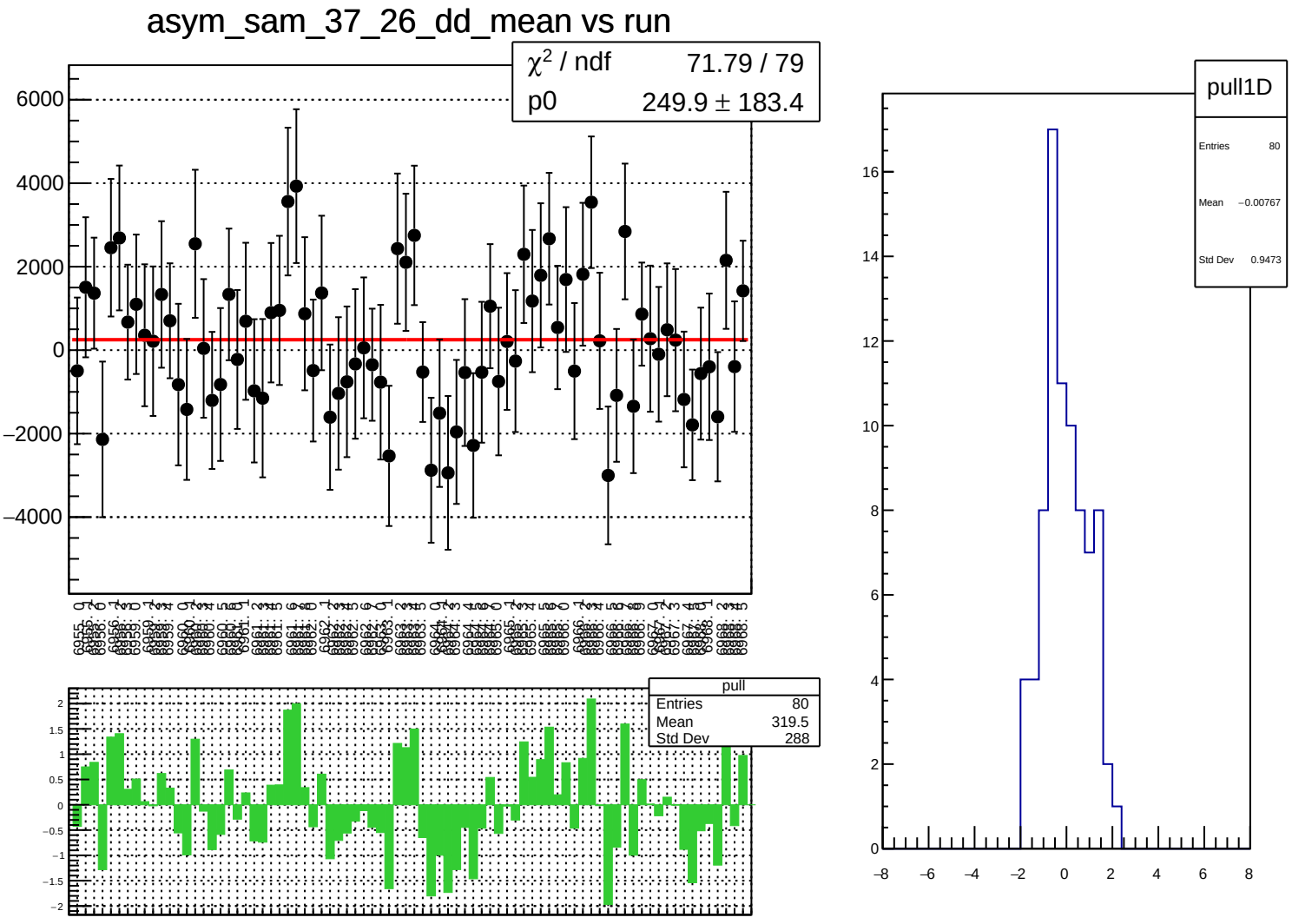

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 70.31 / 79
p0 46.68 ± 53.45
pull
Entries 80
Mean −304.9
Std Dev 349
pull1D
Entries 80
Mean −0.01154
Std Dev 0.9374

dit_asym_sam_37_26_dd_rms vs run

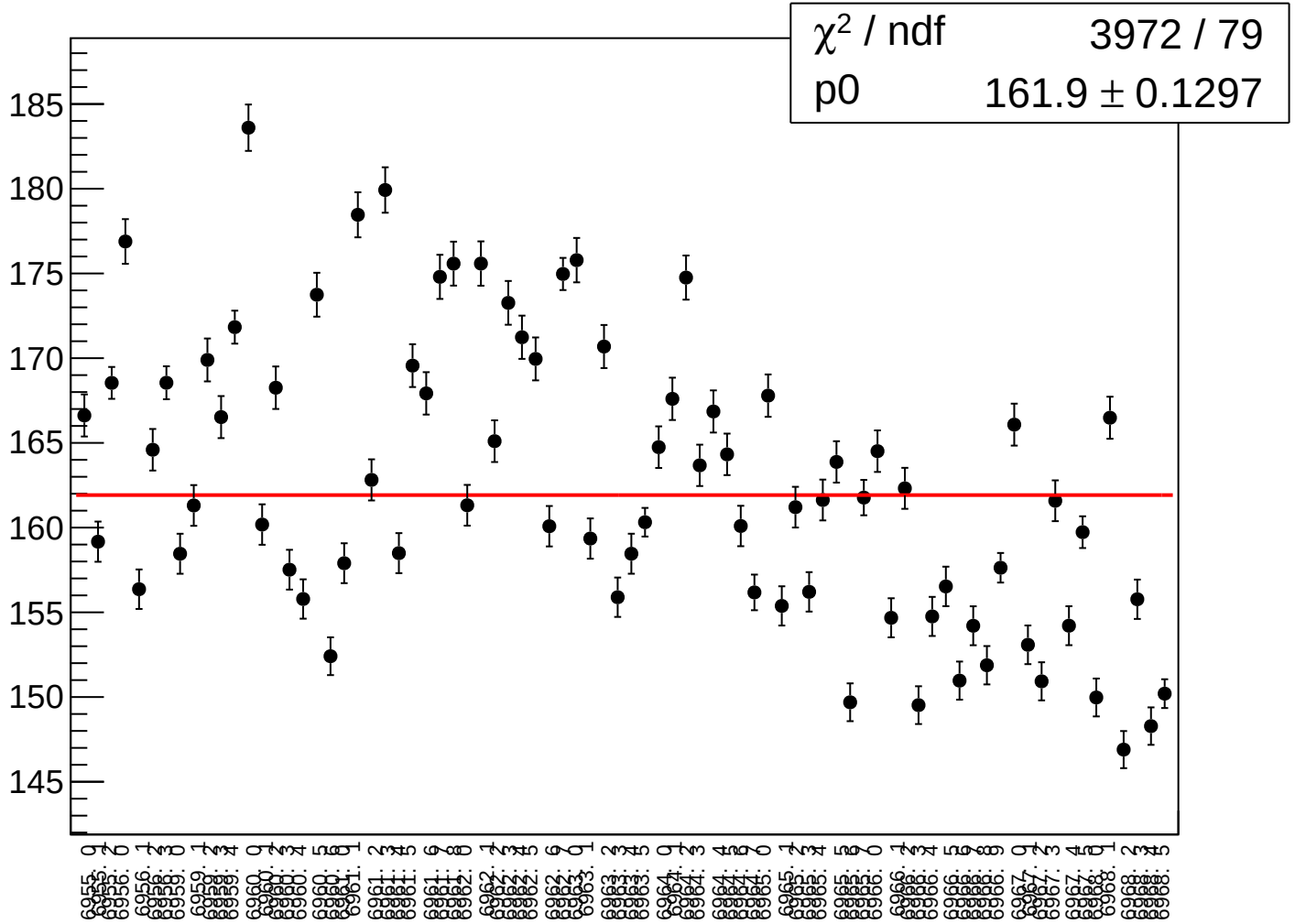


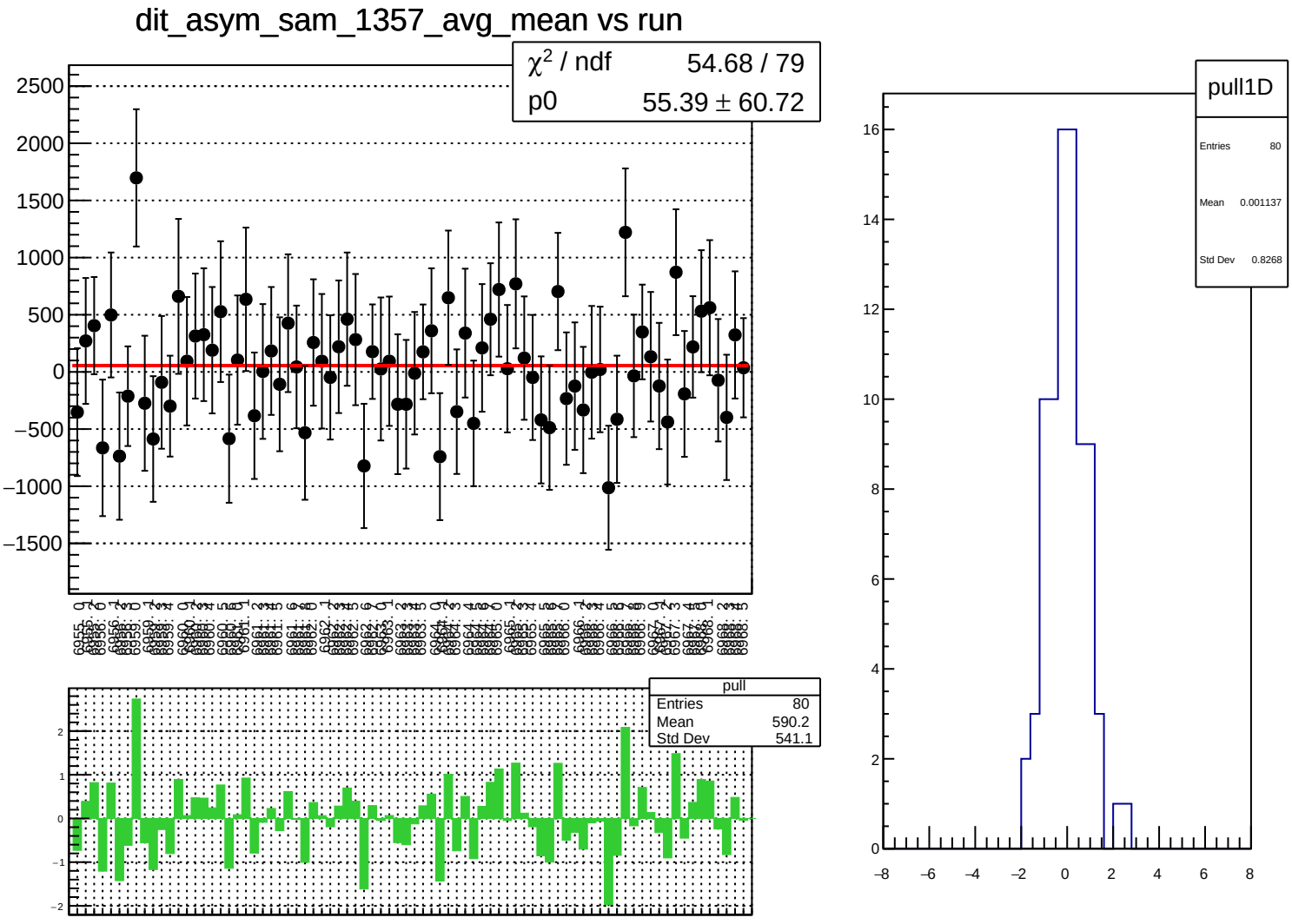

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 68.33 / 79
p0 −195.7 ± 191
pull
Entries 80
Mean 1832
Std Dev 1796
pull1D
Entries 80
Mean 0.001795
Std Dev 0.9242


asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2206 / 79
p0 168.8 ± 0.1351
185
180
175
170
165
160
155

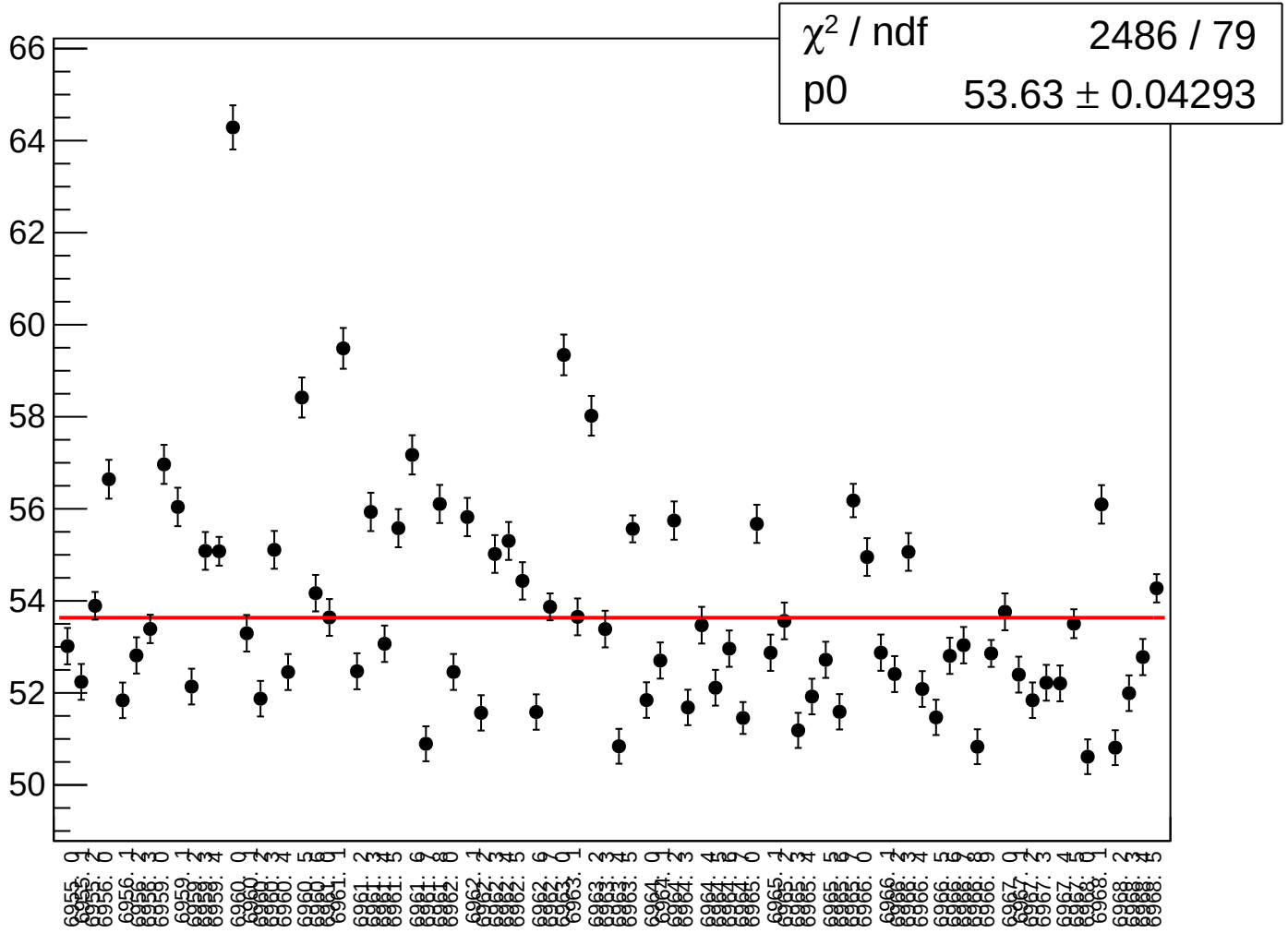

asym_sam_37_26_dd_mean vs run
χ² / ndf 71.79 / 79
p0 249.9 ± 183.4
pull
Entries 80
Mean 319.5
Std Dev 288
pull1D
Entries 80
Mean −0.00767
Std Dev 0.9473

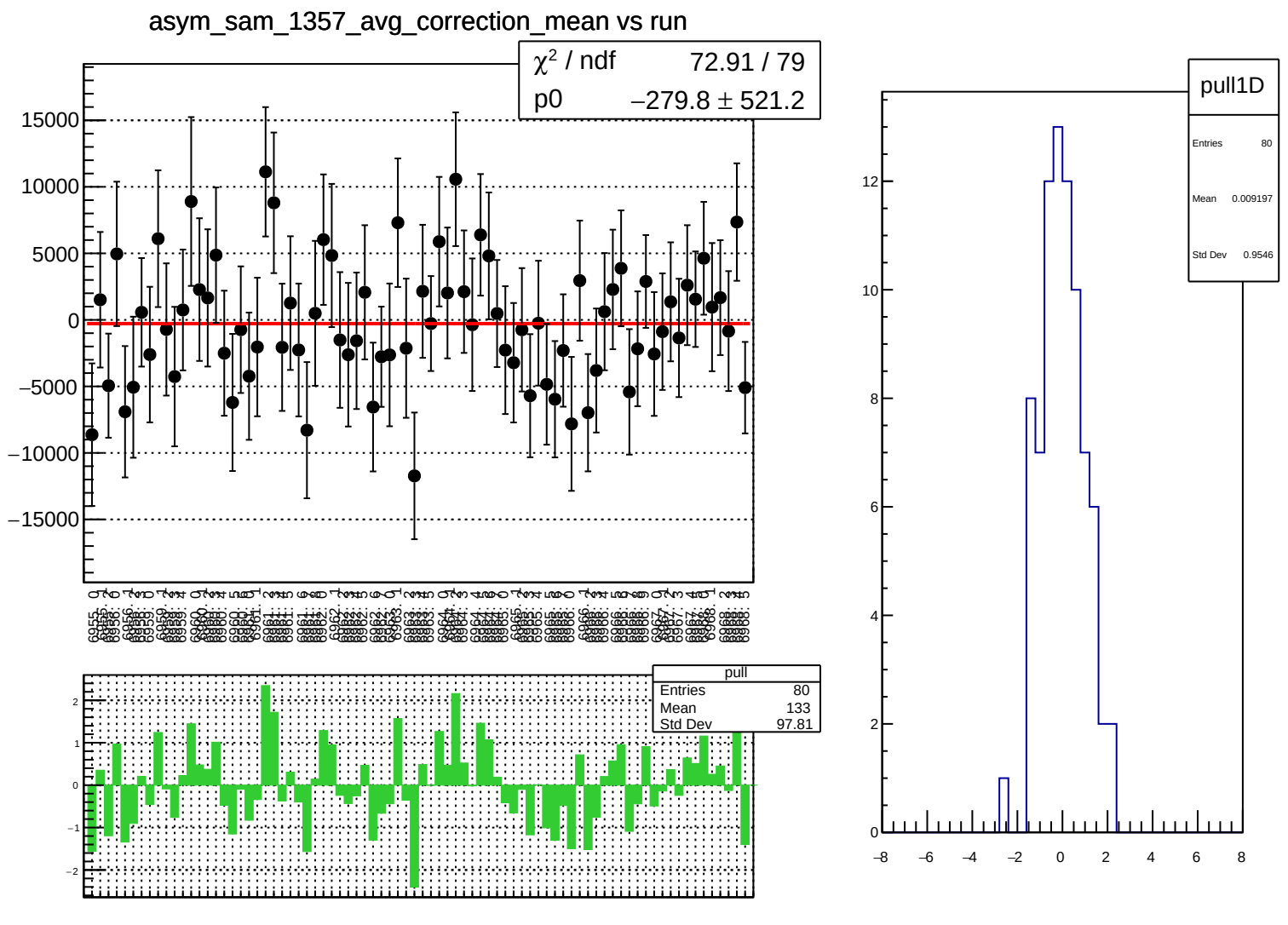
asym_sam_37_26_dd_rms vs run



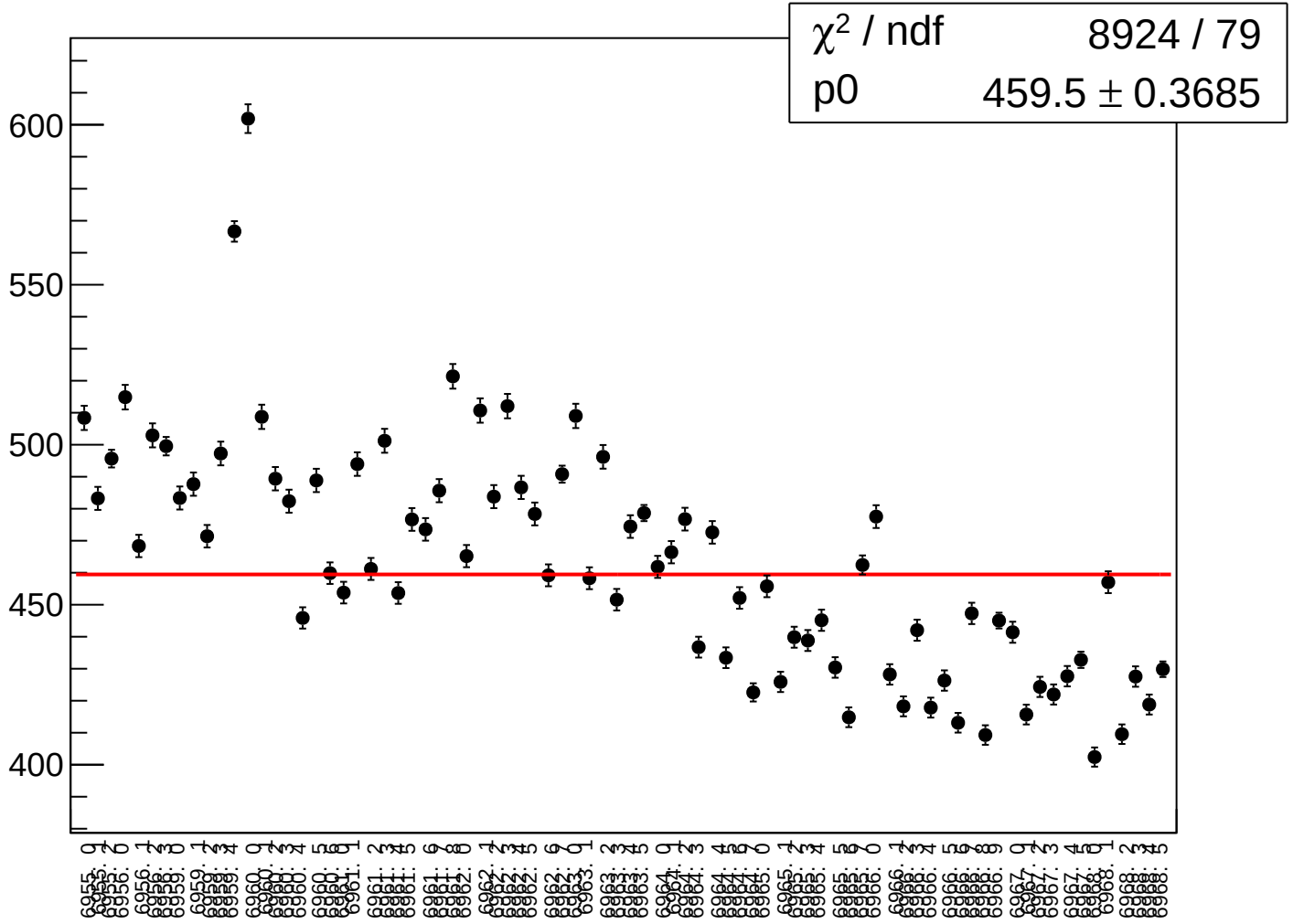

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 54.68 / 79
p0 55.39 ± 60.72
pull
Entries 80
Mean 590.2
Std Dev 541.1
pull1D
Entries 80
Mean 0.001137
Std Dev 0.8268

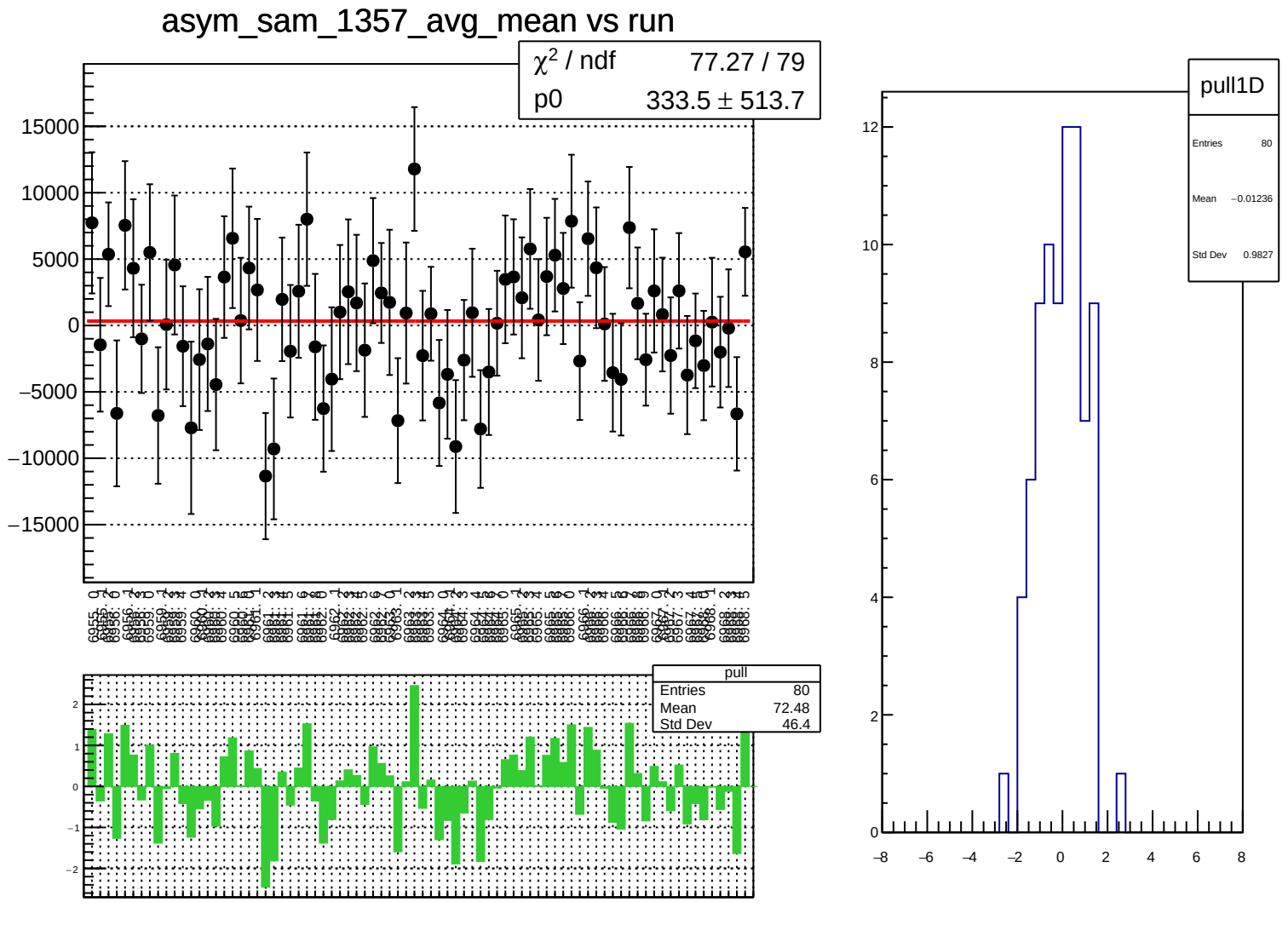
dit_asym_sam_1357_avg_rms vs run

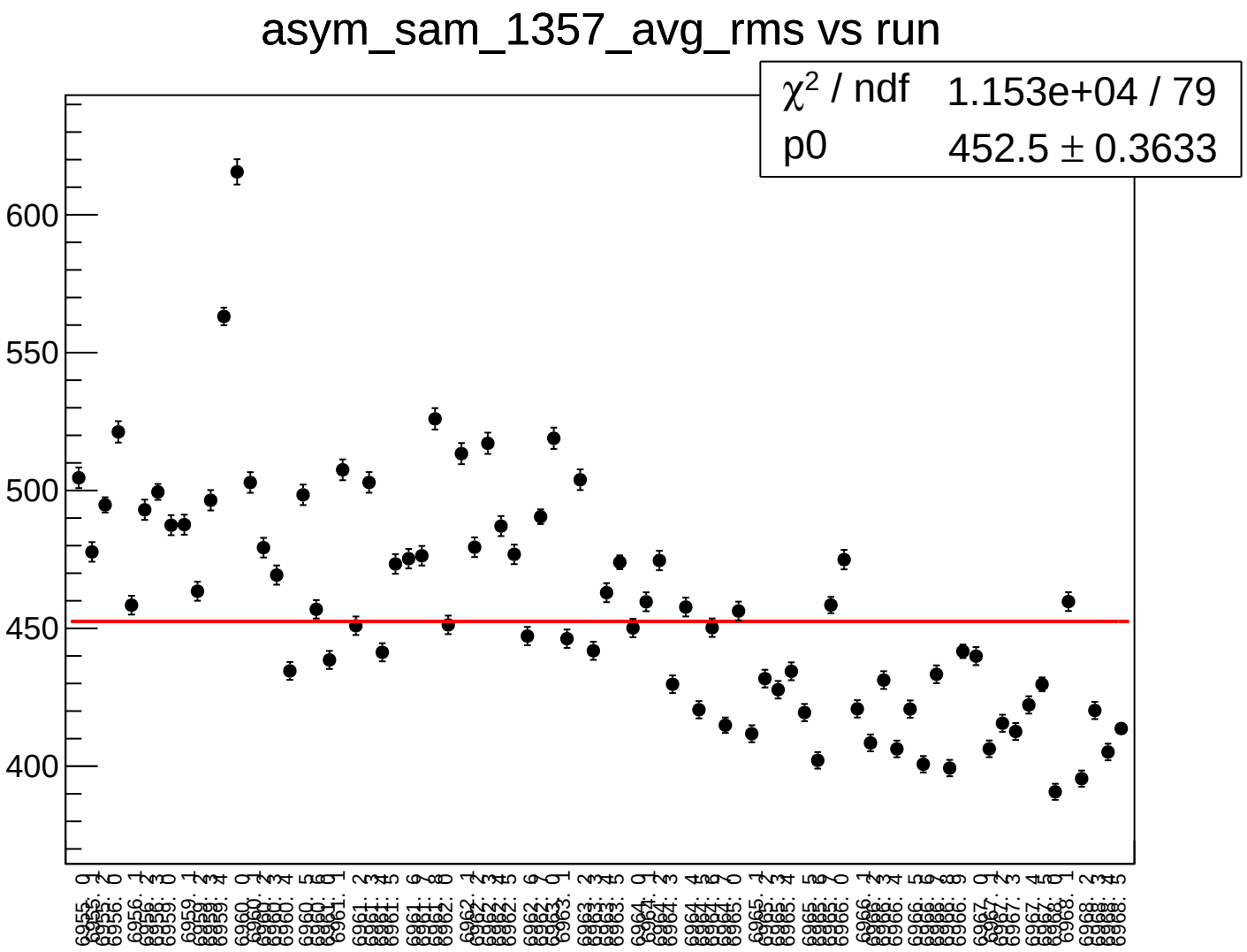


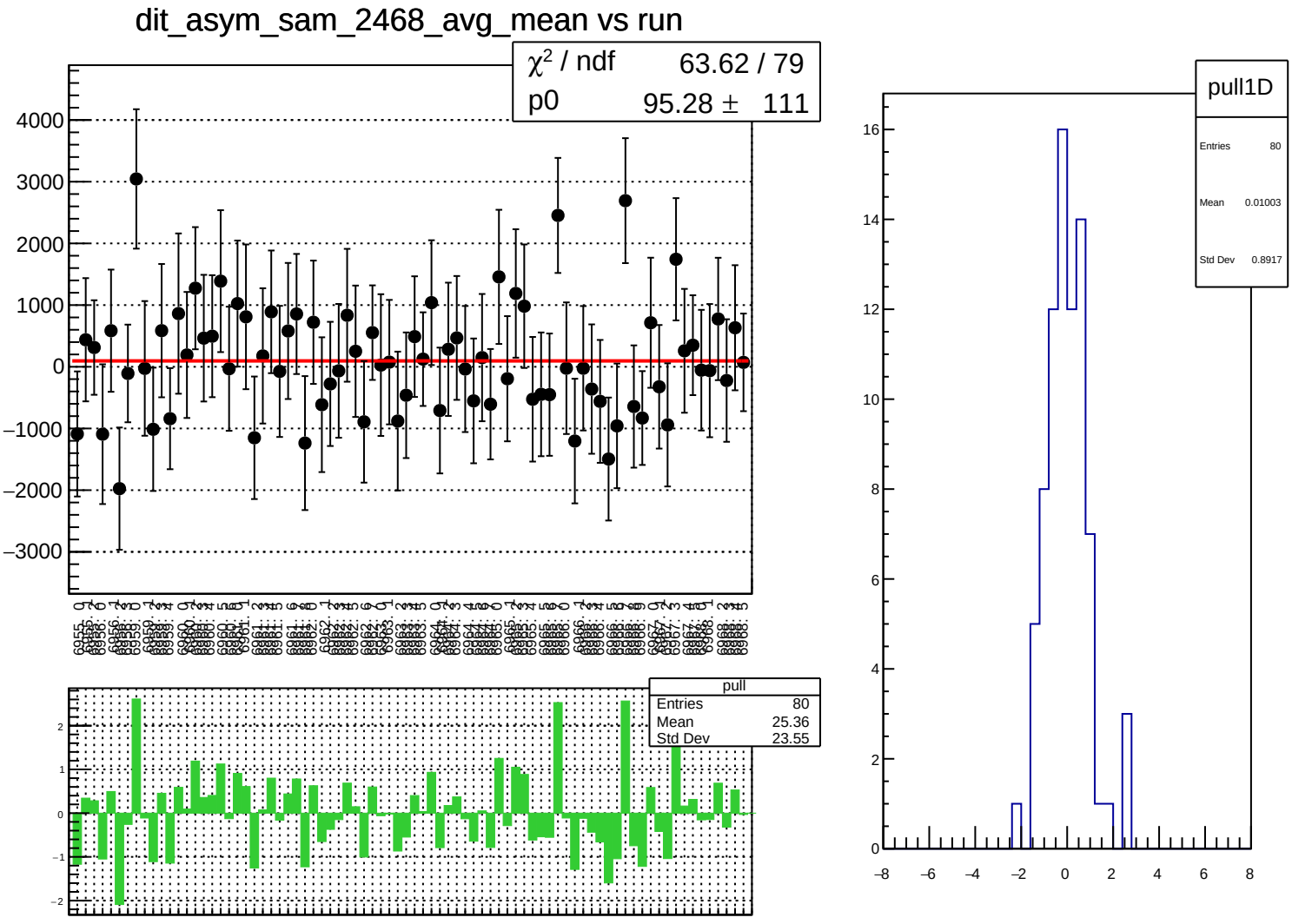

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 72.91 / 79
p0 −279.8 ± 521.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 133
Std Dev 97.81
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.009197
Std Dev 0.9546
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_correction_rms vs run

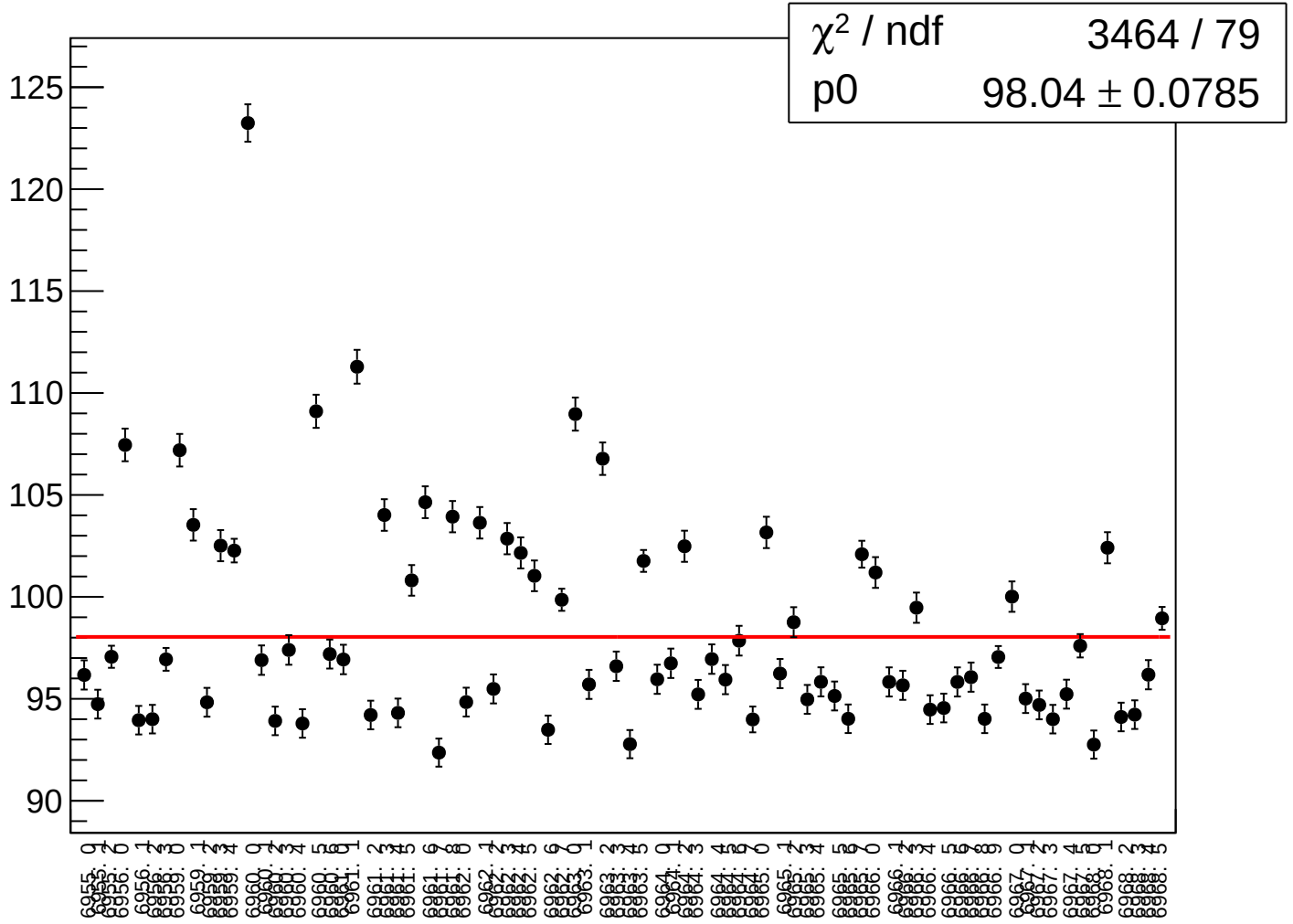


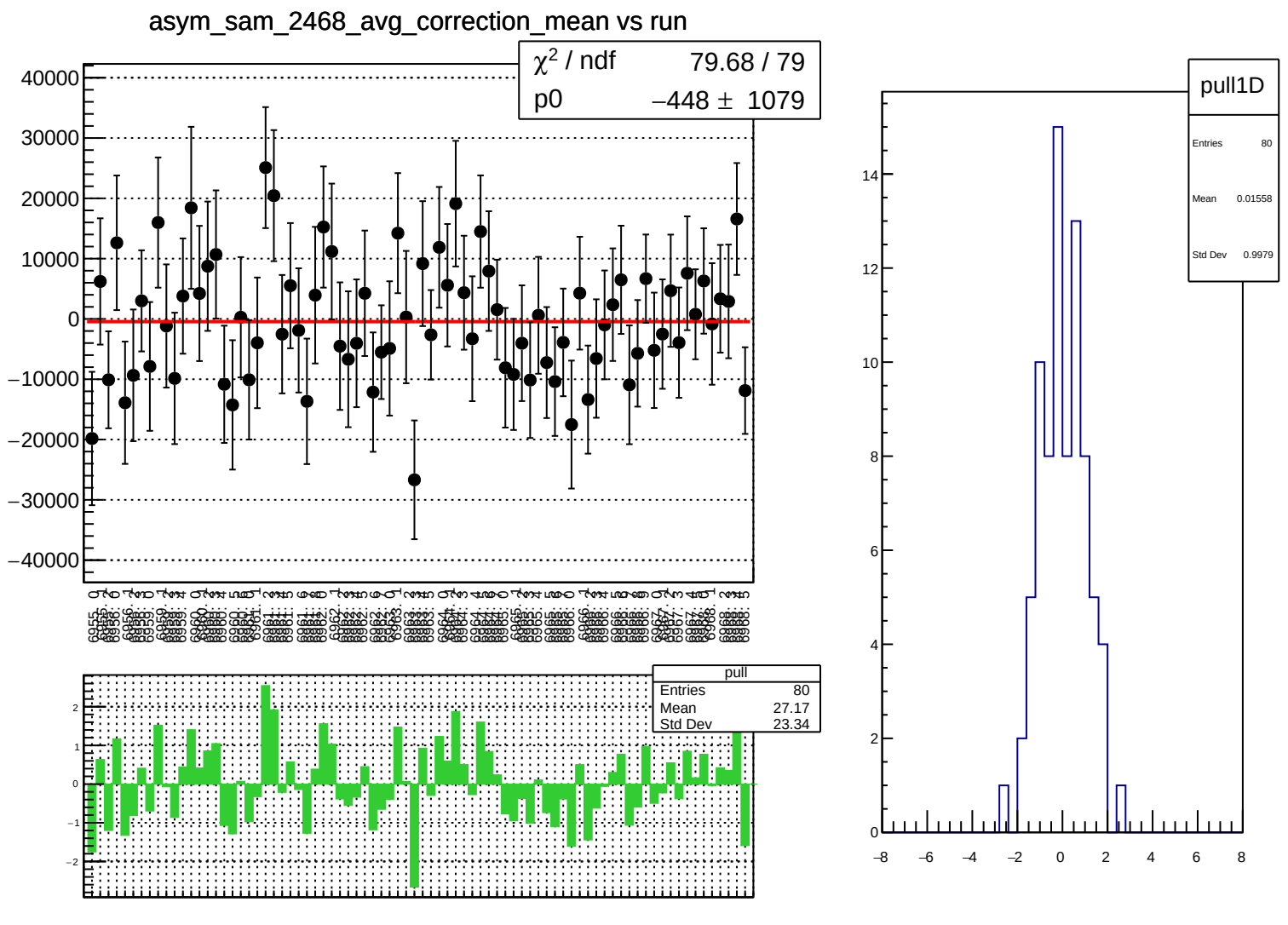

asym_sam_1357_avg_mean vs run
χ² / ndf 77.27 / 79
p0 333.5 ± 513.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 72.48
Std Dev 46.4
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01236
Std Dev 0.9827
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

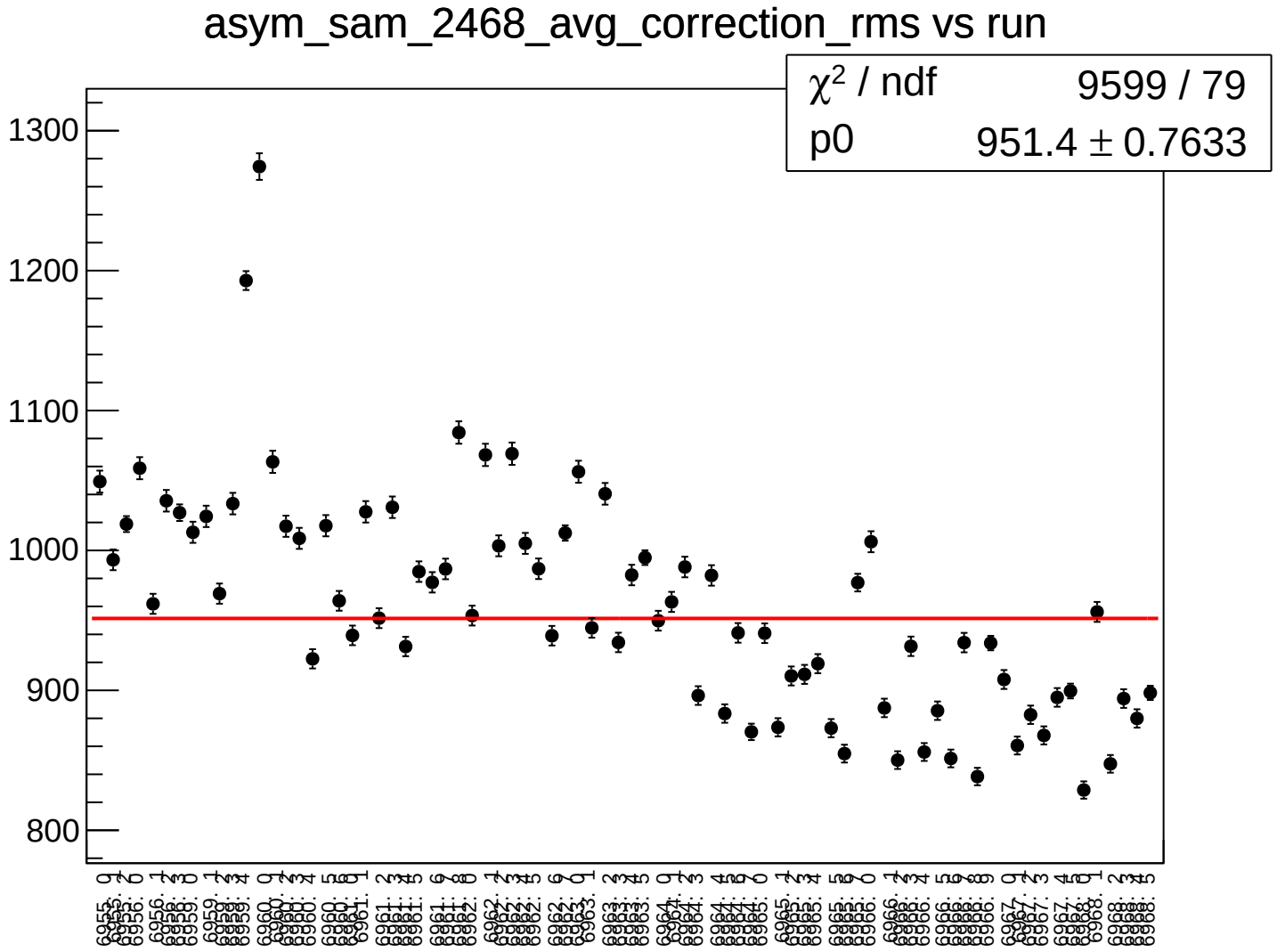

asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.153e+04 / 79
p0 452.5 ± 0.3633
600
550
500
450
400

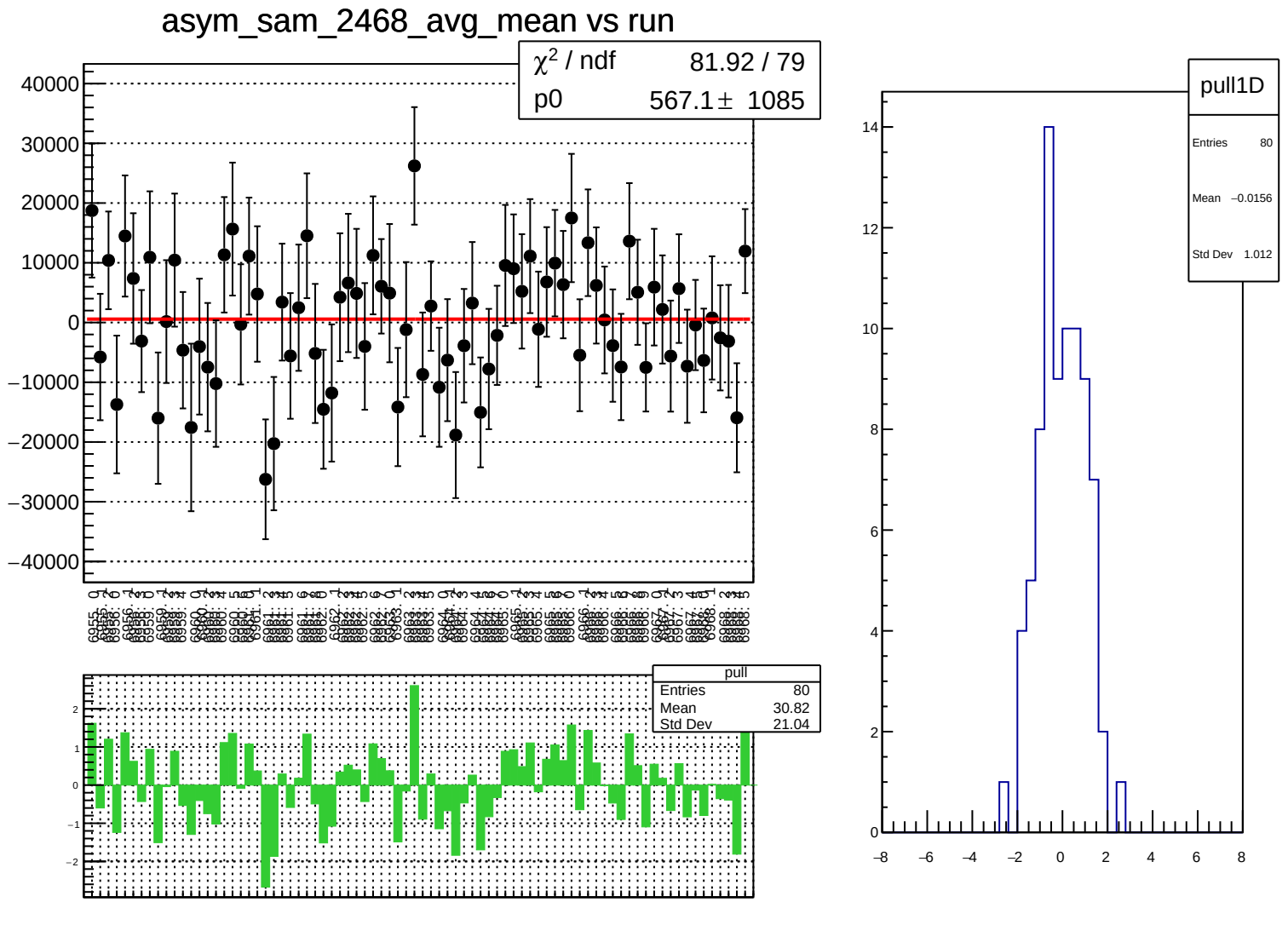

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 63.62 / 79
p0 95.28 ± 111
pull
Entries 80
Mean 25.36
Std Dev 23.55
pull1D
Entries 80
Mean 0.01003
Std Dev 0.8917

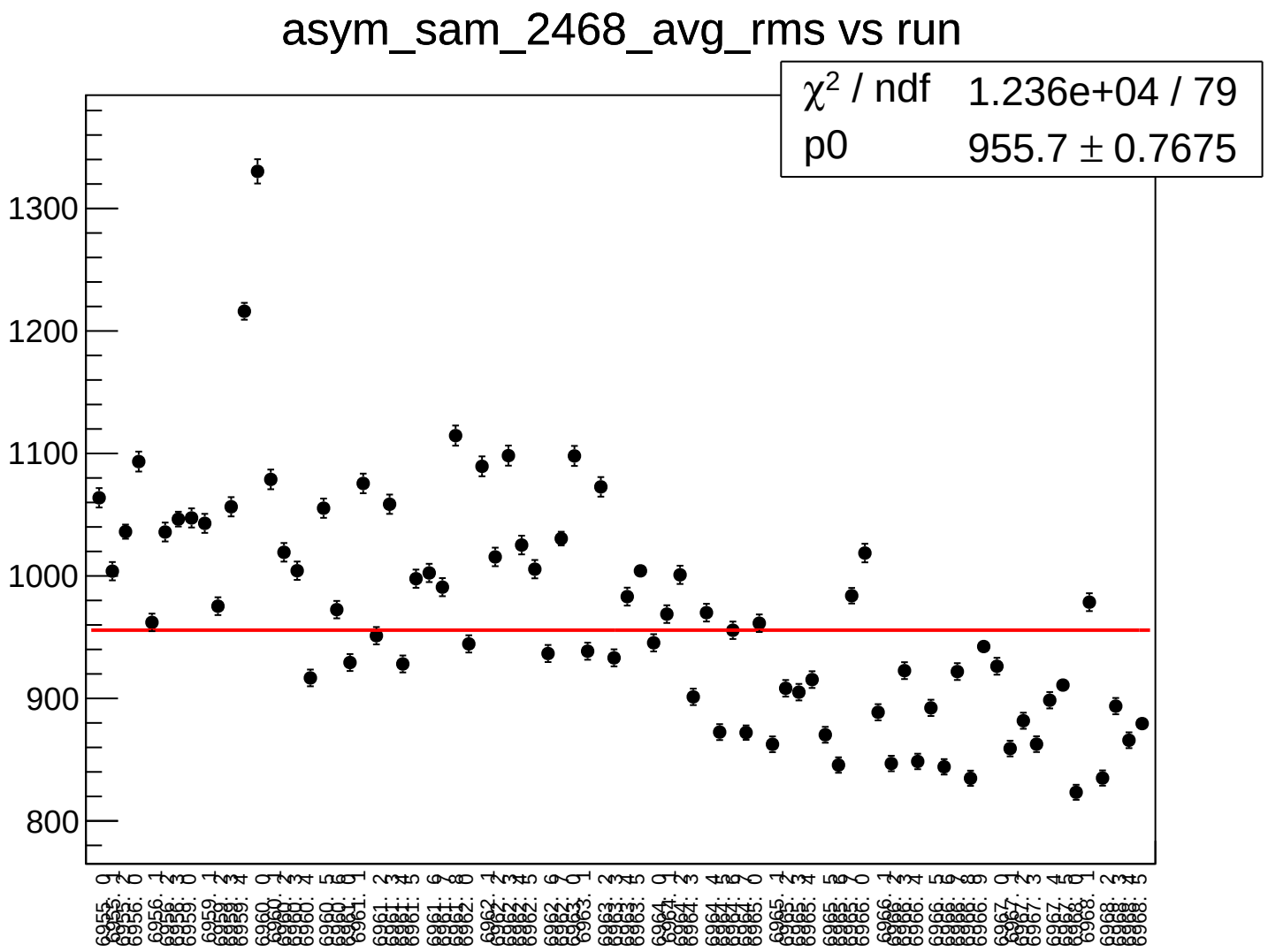
dit_asym_sam_2468_avg_rms vs run

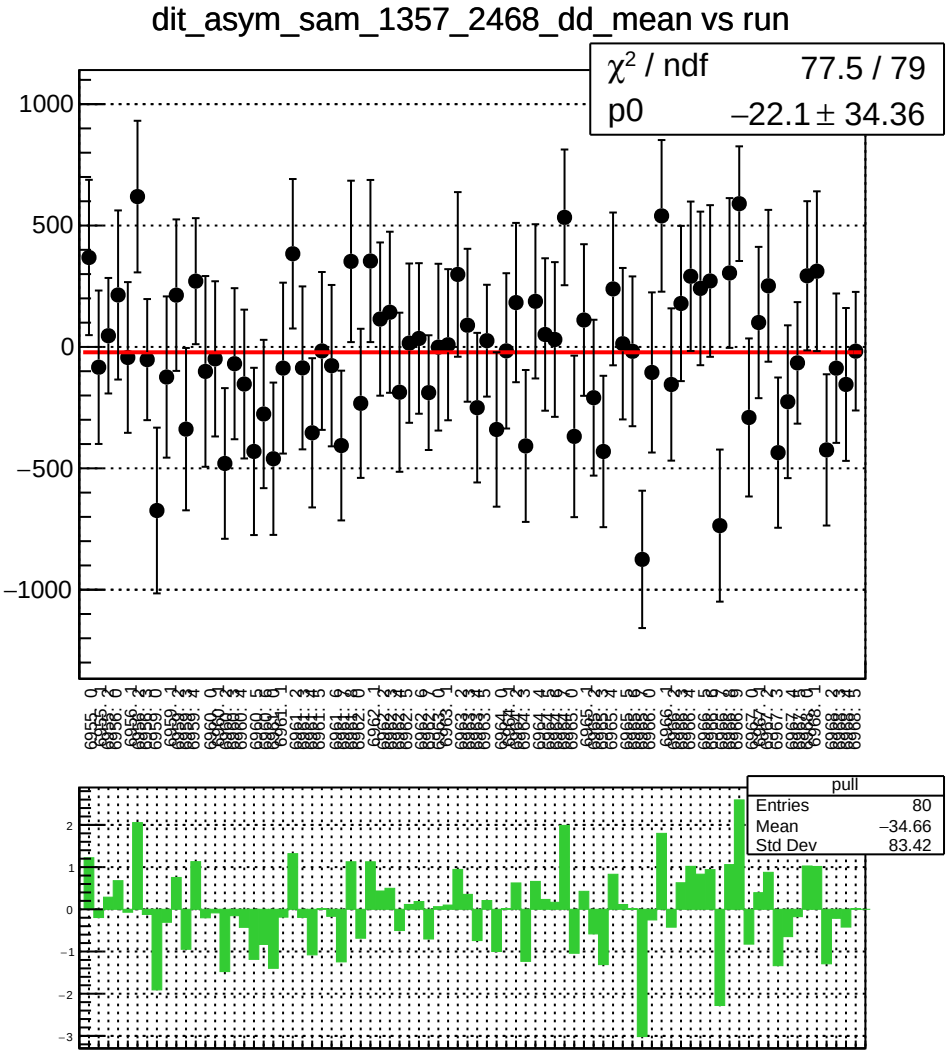


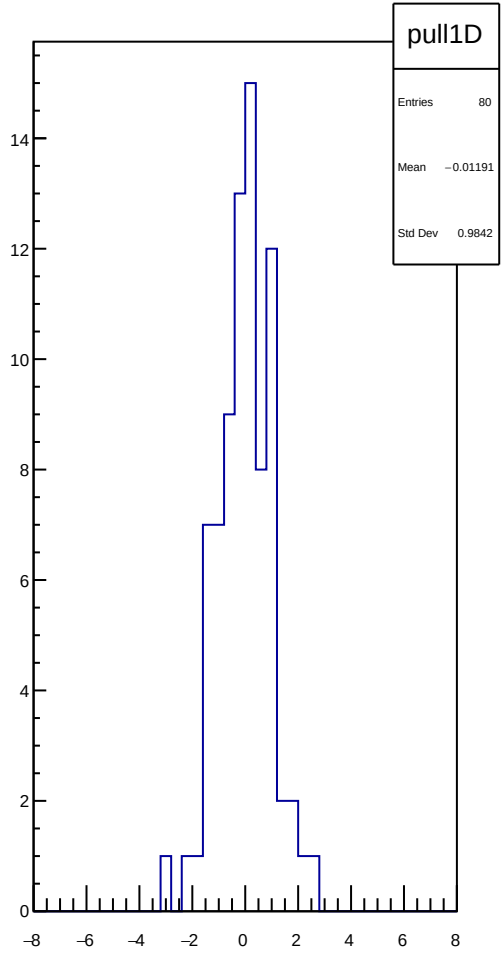

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 79.68 / 79
p0 −448 ± 1079
pull
Entries 80
Mean 27.17
Std Dev 23.34
pull1D
Entries 80
Mean 0.01558
Std Dev 0.9979


asym_sam_2468_avg_correction_rms vs run
χ² / ndf 9599 / 79
p0 951.4 ± 0.7633
1300
1200
1100
1000
900
800

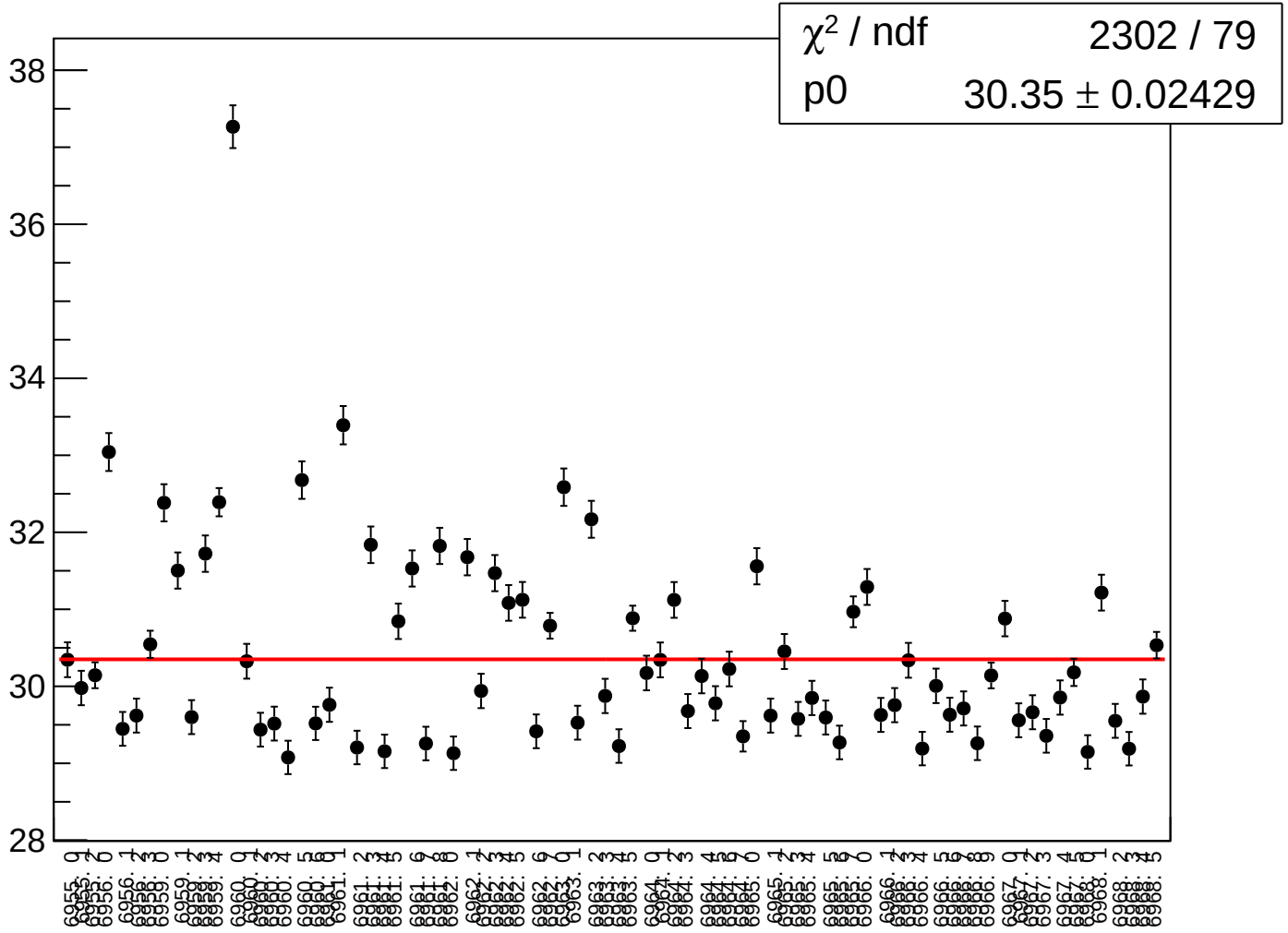

asym_sam_2468_avg_mean vs run
χ² / ndf 81.92 / 79
p0 567.1 ± 1085
pull
Entries 80
Mean 30.82
Std Dev 21.04
pull1D
Entries 80
Mean −0.0156
Std Dev 1.012

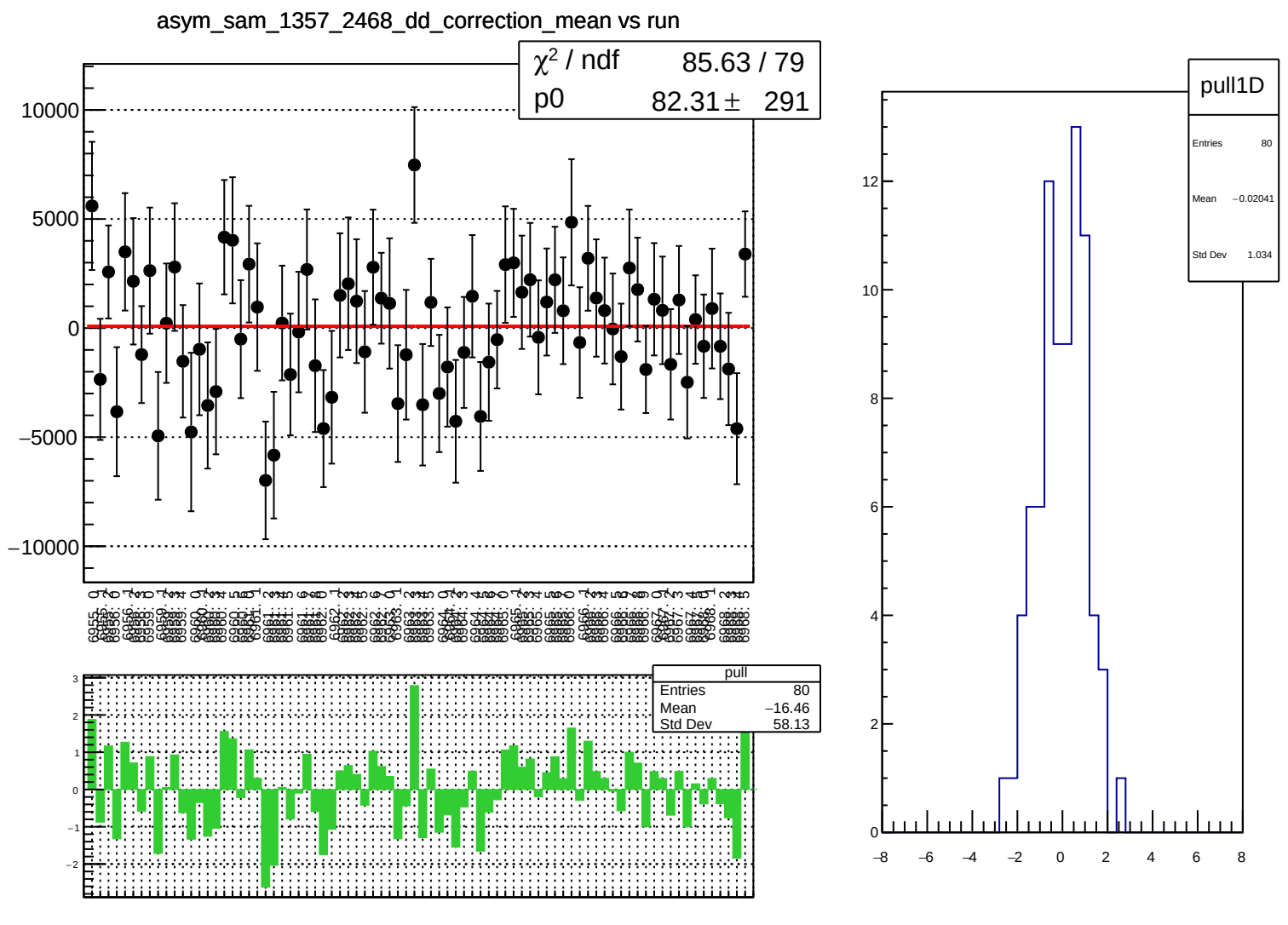

asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.236e+04 / 79
p0 955.7 ± 0.7675
1300
1200
1100
1000
900
800


dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 77.5 / 79
p0 −22.1 ± 34.36
1000
500
0
−500
−1000
pull
Entries 80
Mean −34.66
Std Dev 83.42
2
1
0
−1
−2
−3

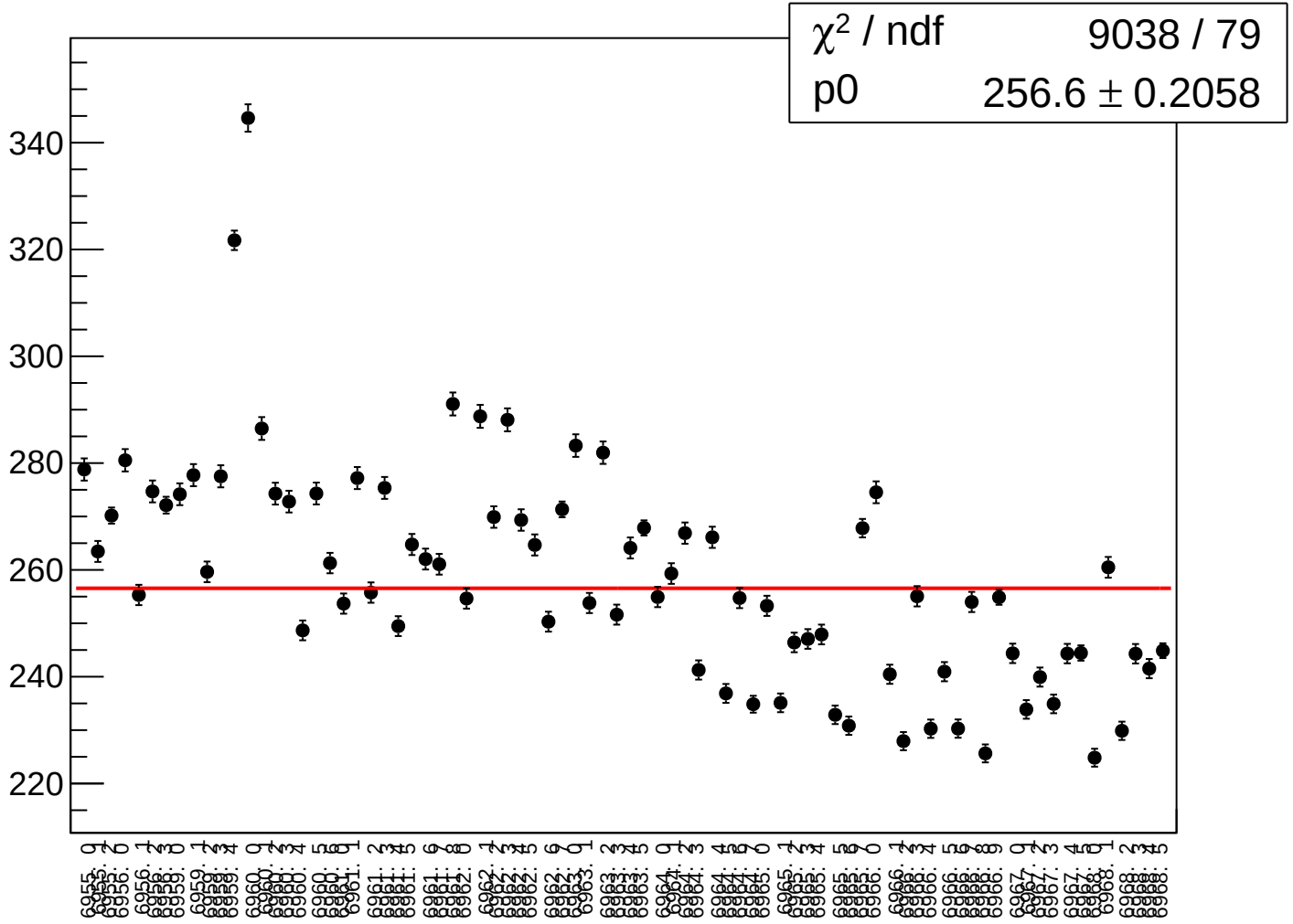

pull1D
Entries 80
Mean −0.01191
Std Dev 0.9842
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

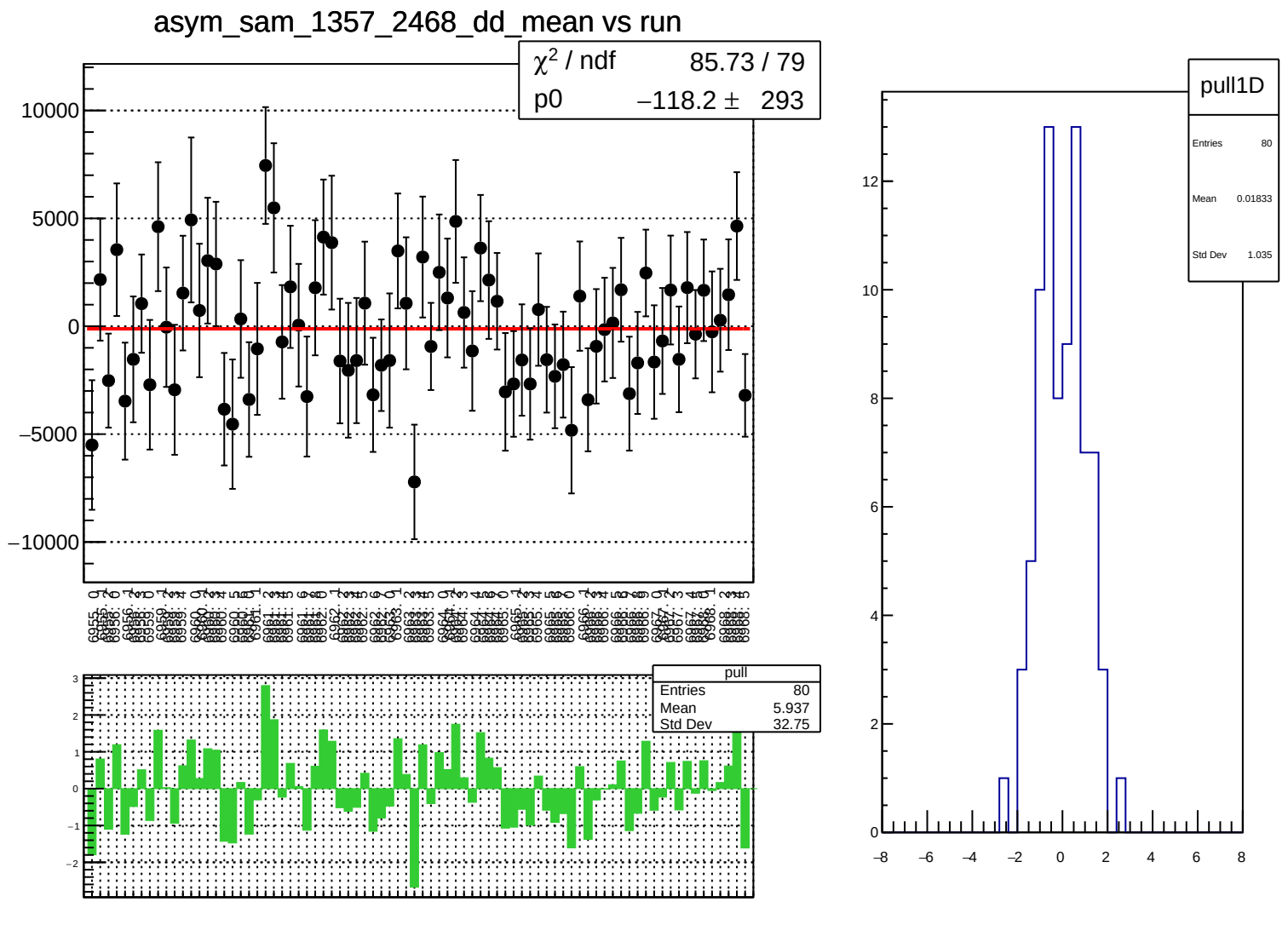
dit_asym_sam_1357_2468_dd_rms vs run



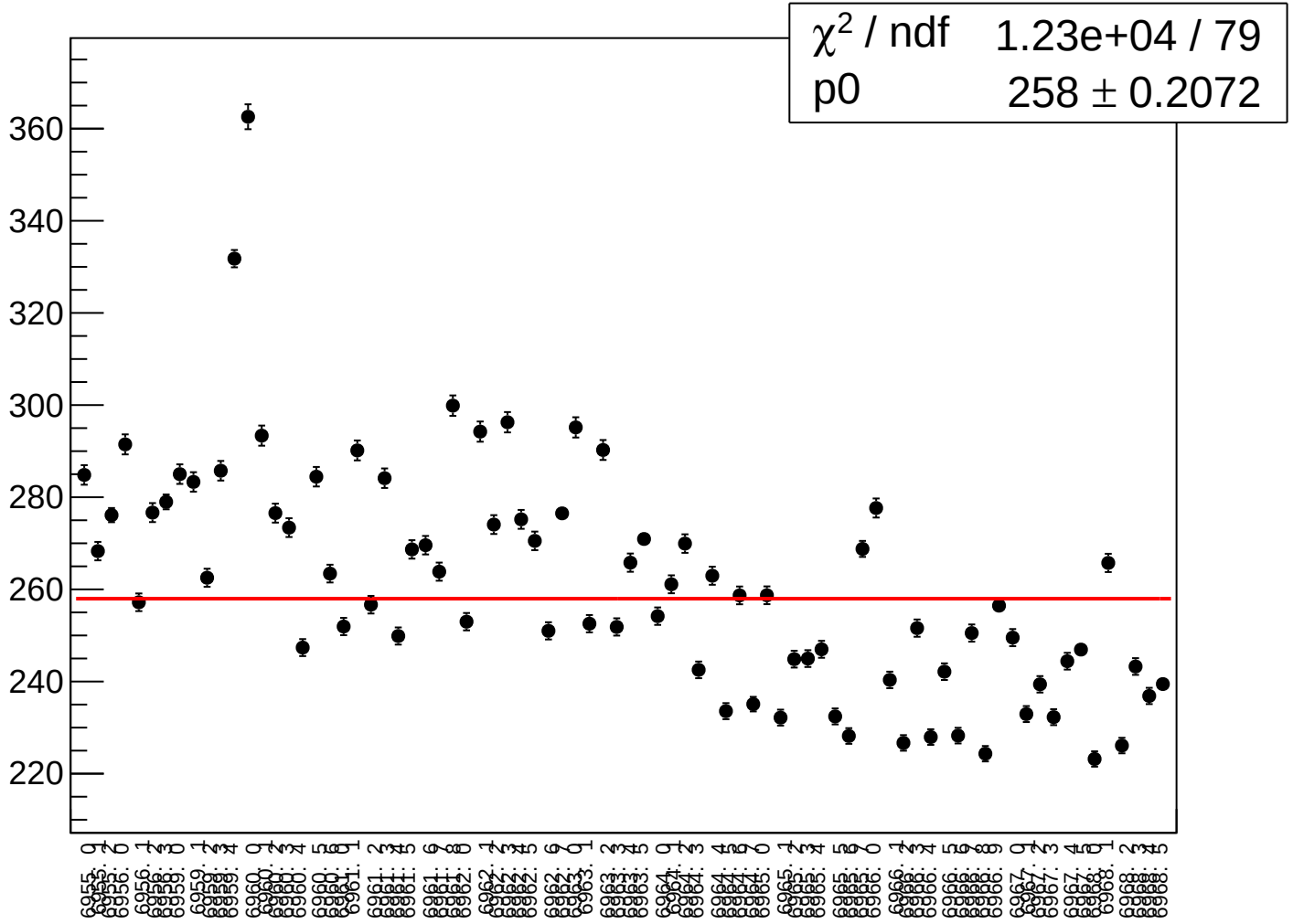

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 85.63 / 79
p0 82.31 ± 291
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −16.46
Std Dev 58.13
3
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.02041
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

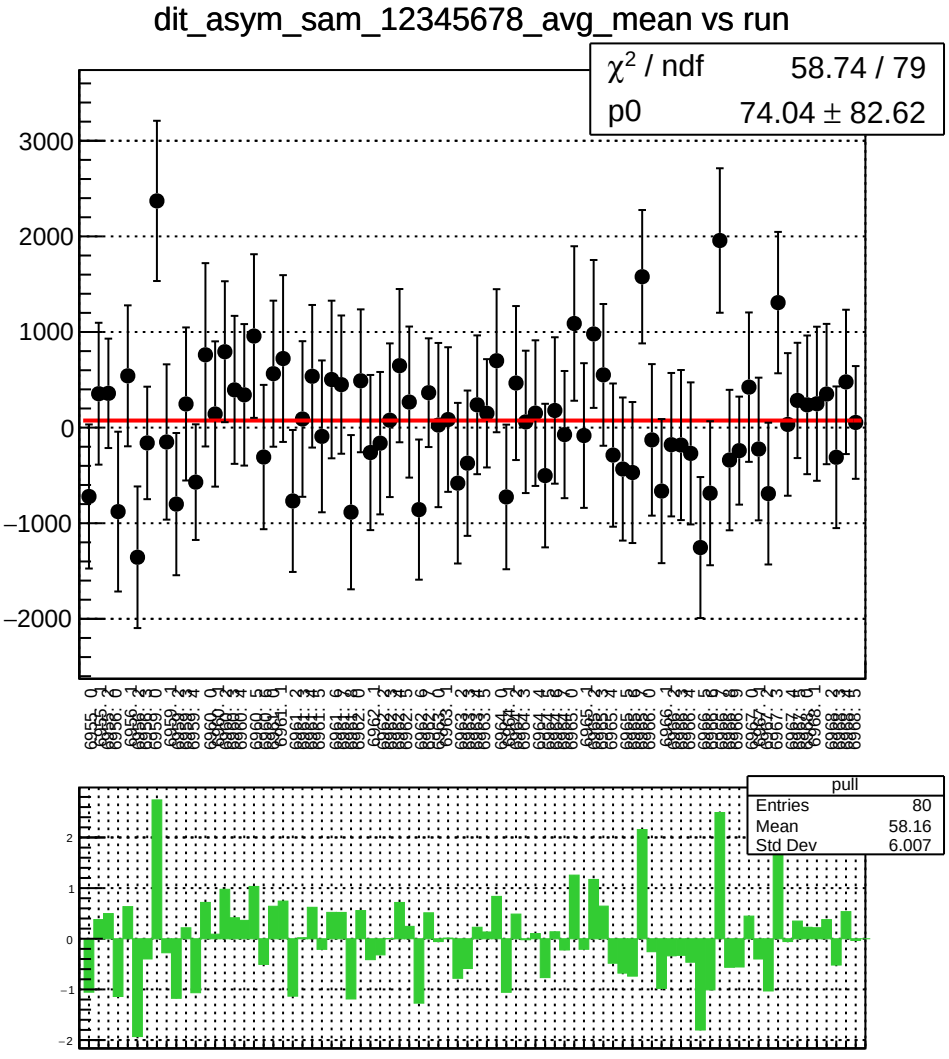
asym_sam_1357_2468_dd_correction_rms vs run

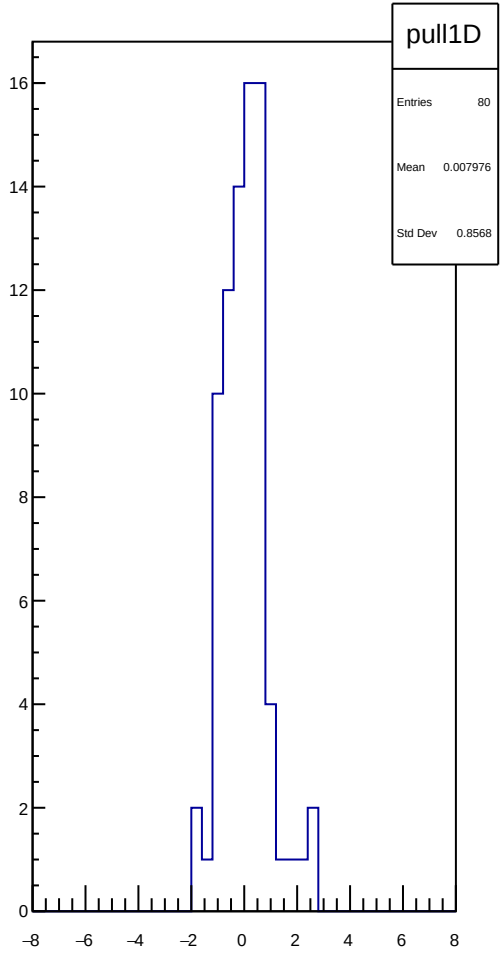



asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.73 / 79
p0 −118.2 ± 293
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 5.937
Std Dev 32.75
pull1D
Entries 80
Mean 0.01833
Std Dev 1.035

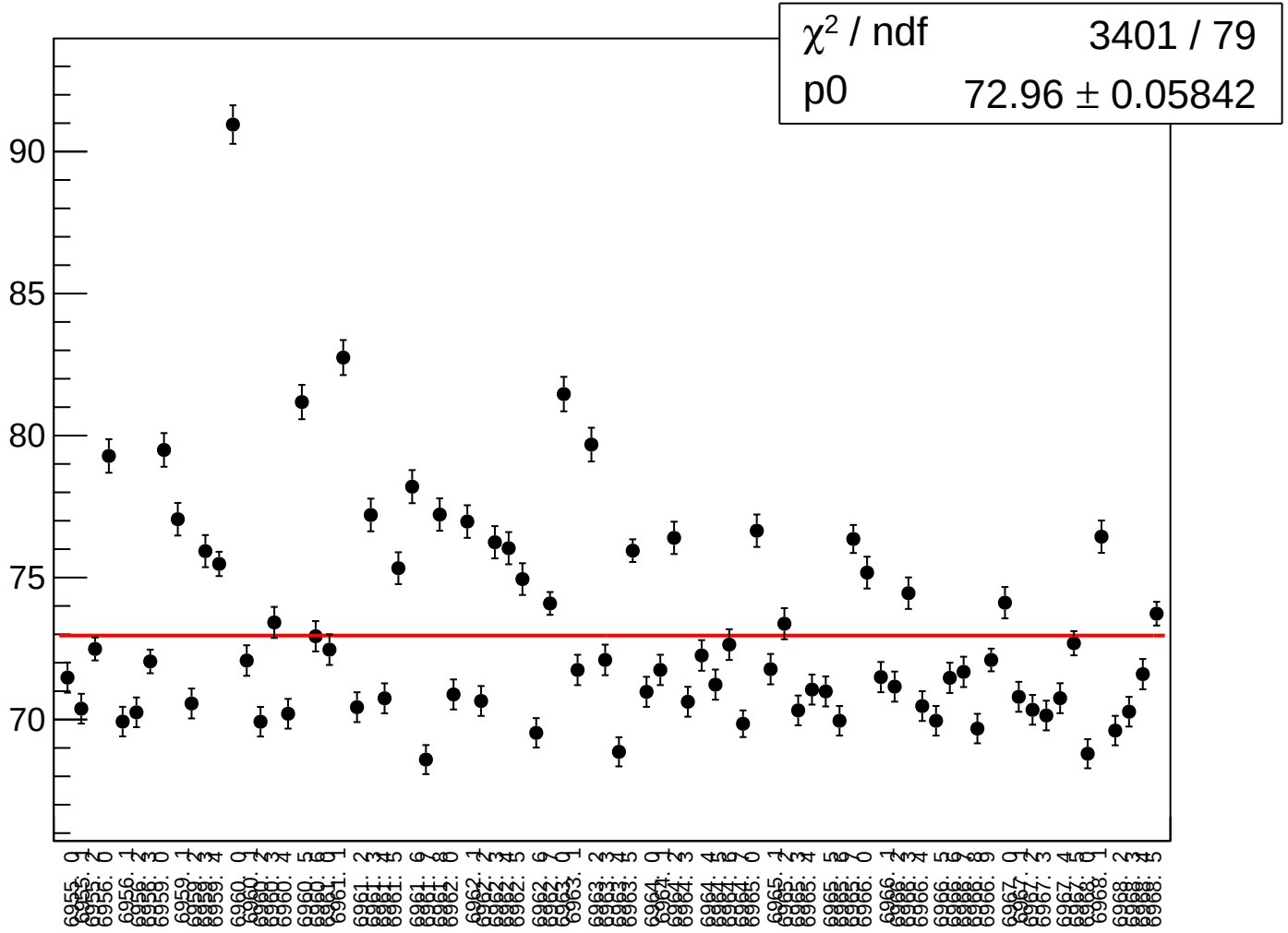
asym_sam_1357_2468_dd_rms vs run

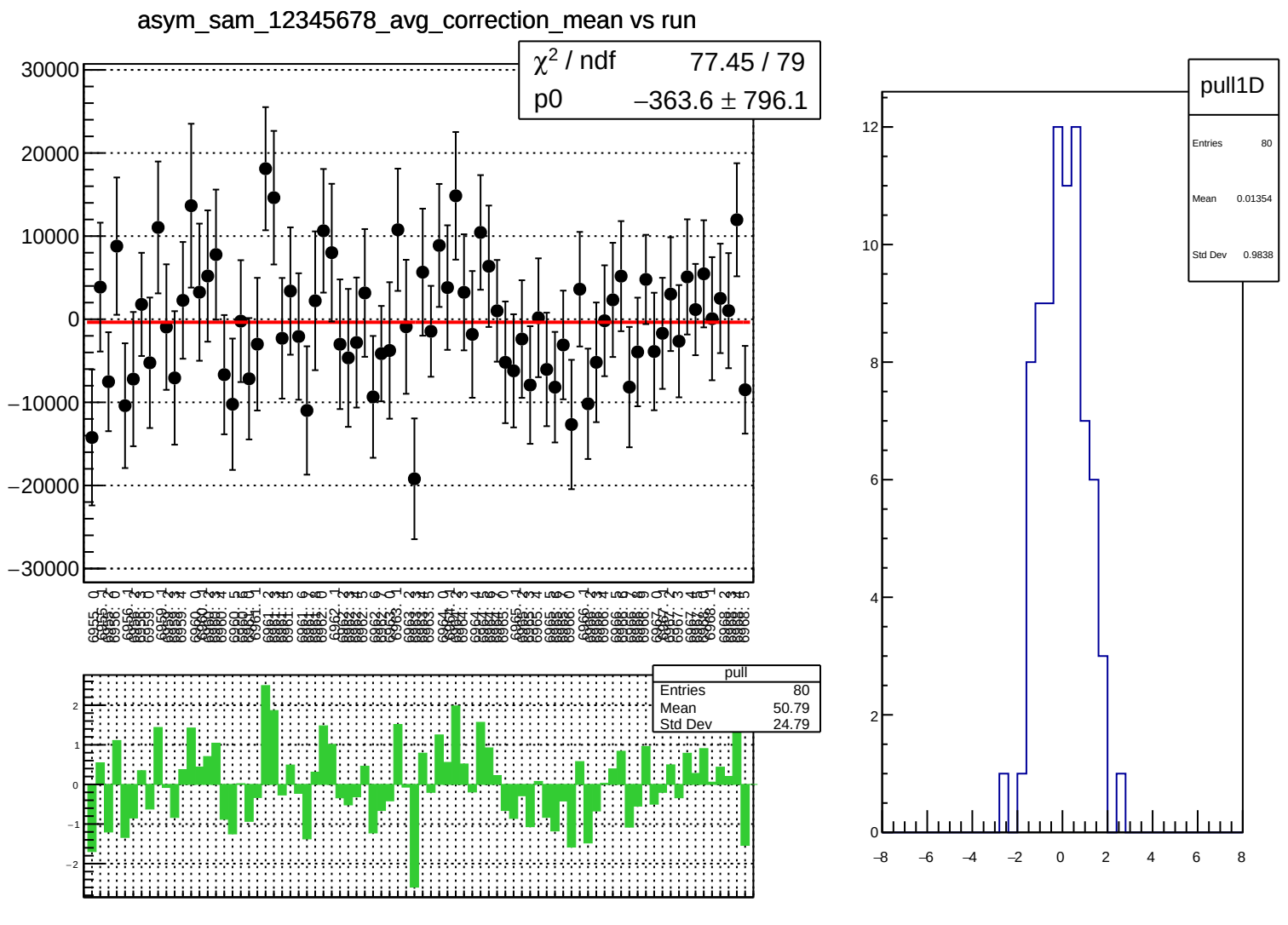



dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 58.74 / 79
p0 74.04 ± 82.62
pull
Entries 80
Mean 58.16
Std Dev 6.007

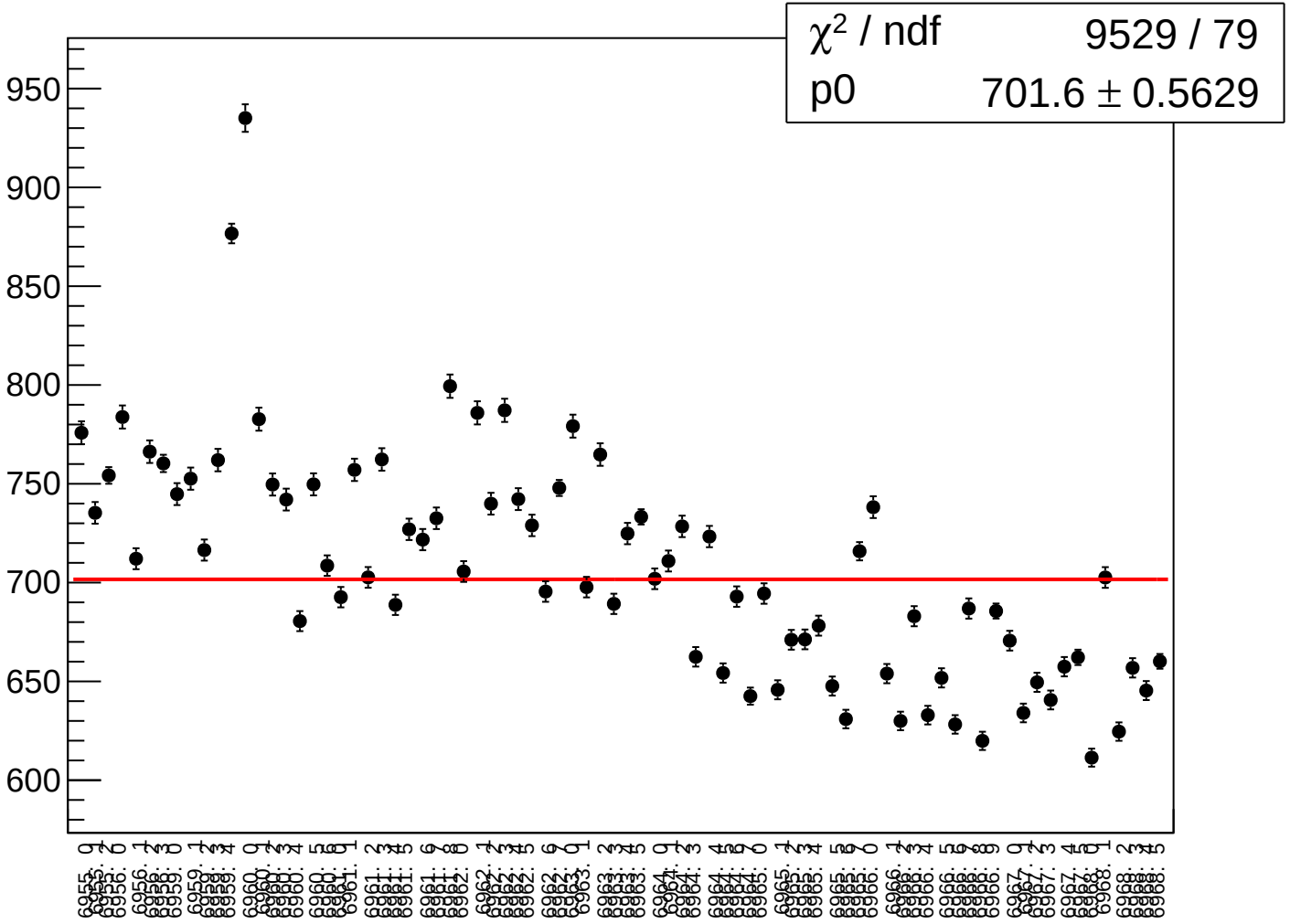

pull1D
Entries 80
Mean 0.007976
Std Dev 0.8568

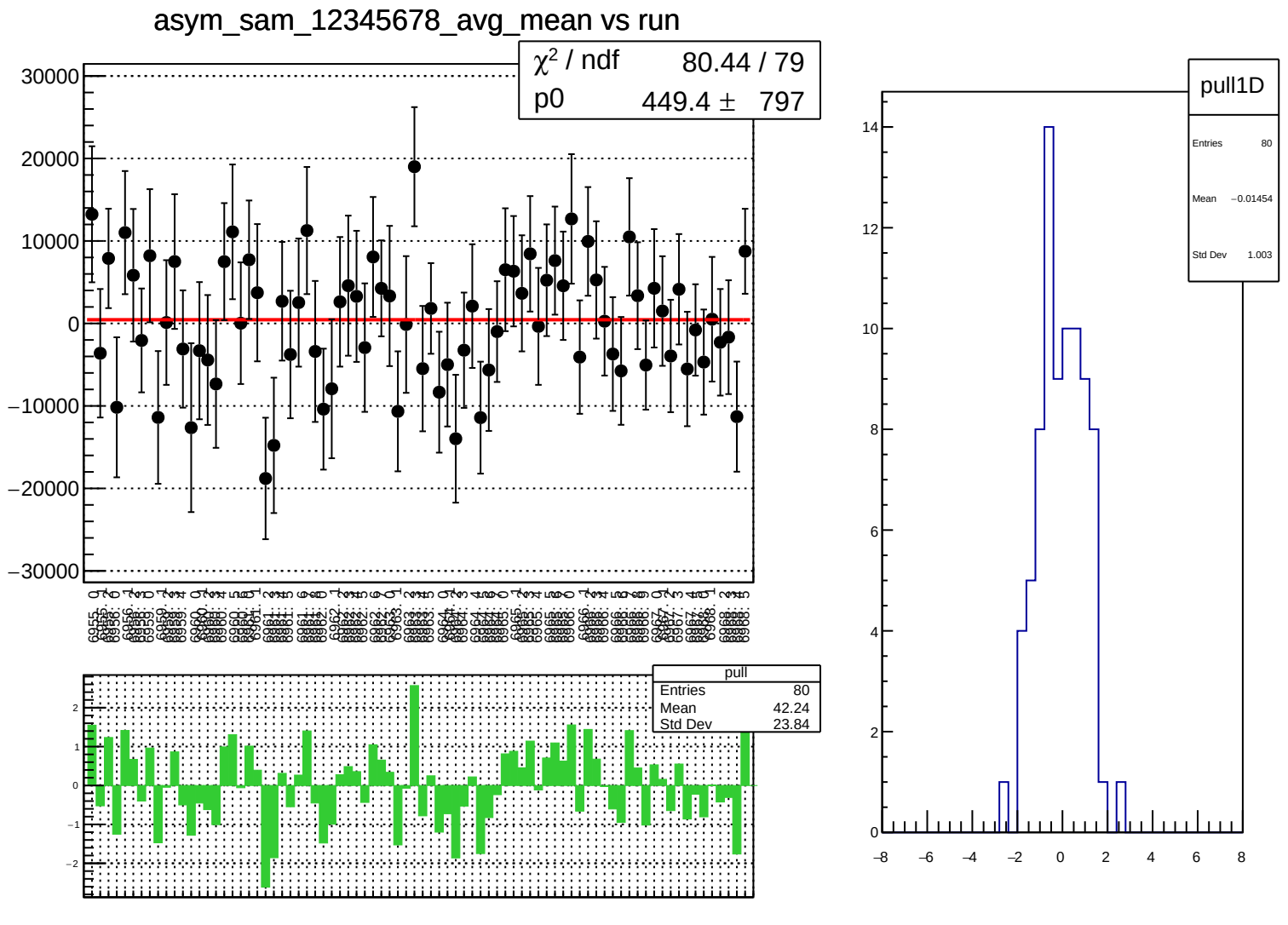
dit_asym_sam_12345678_avg_rms vs run



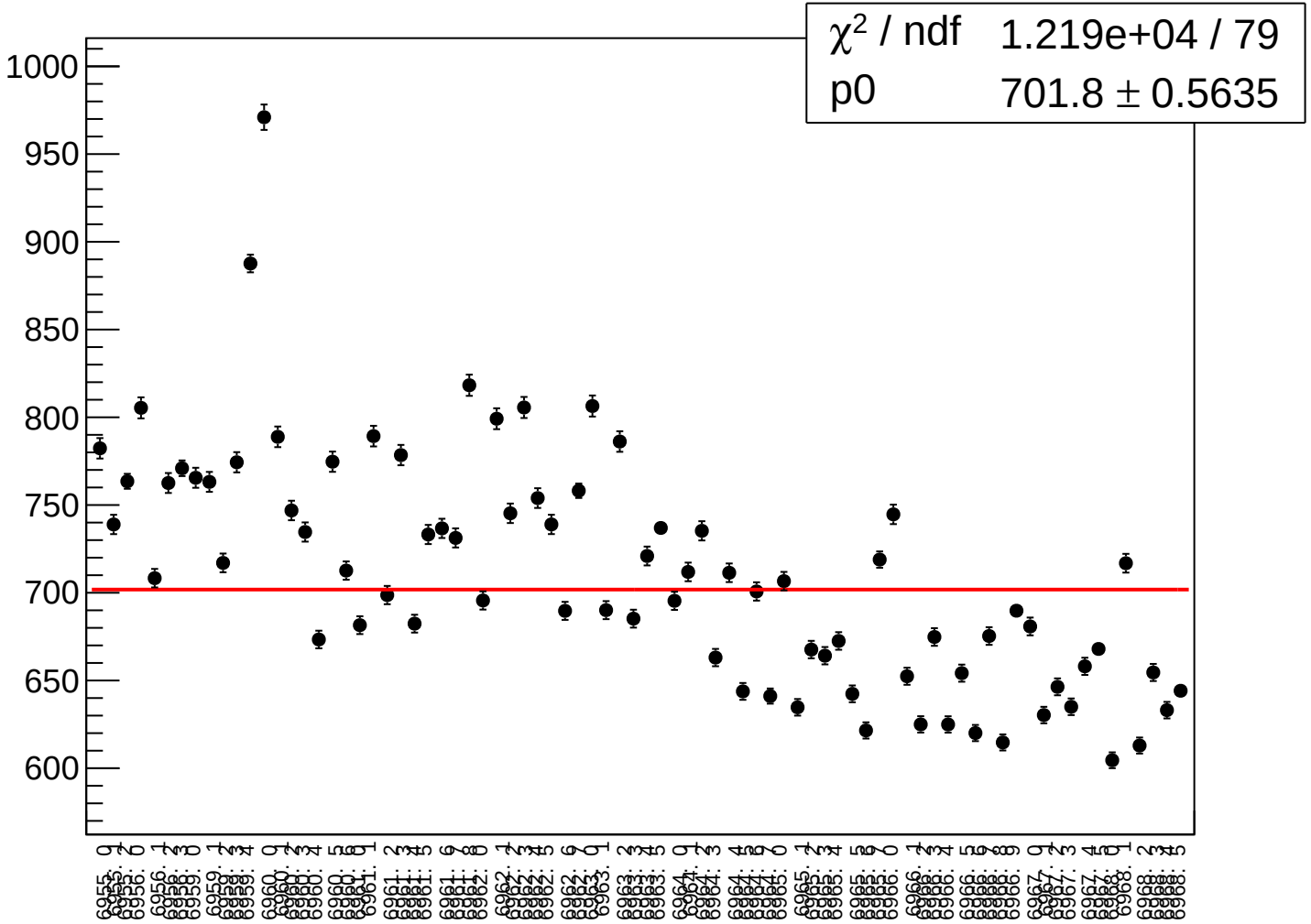

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 77.45 / 79
p0 −363.6 ± 796.1
pull
Entries 80
Mean 50.79
Std Dev 24.79
pull1D
Entries 80
Mean 0.01354
Std Dev 0.9838

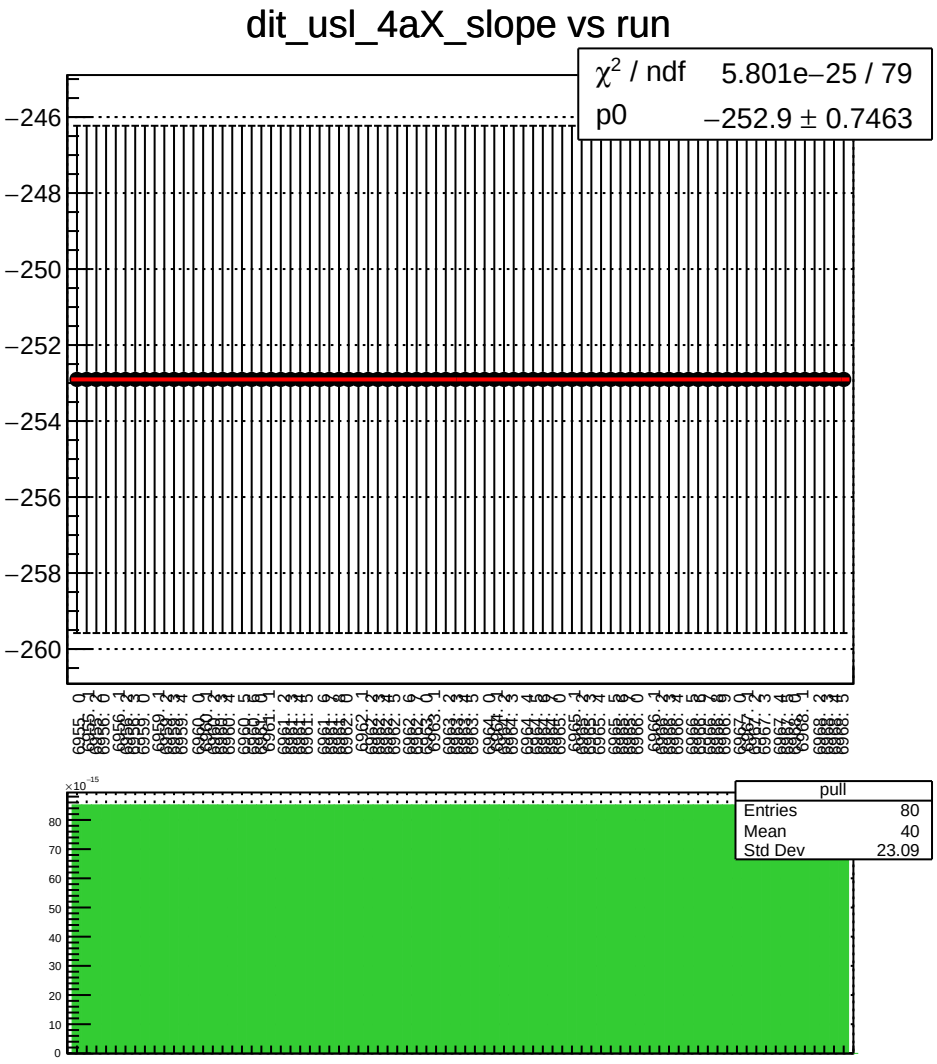
asym_sam_12345678_avg_correction_rms vs run

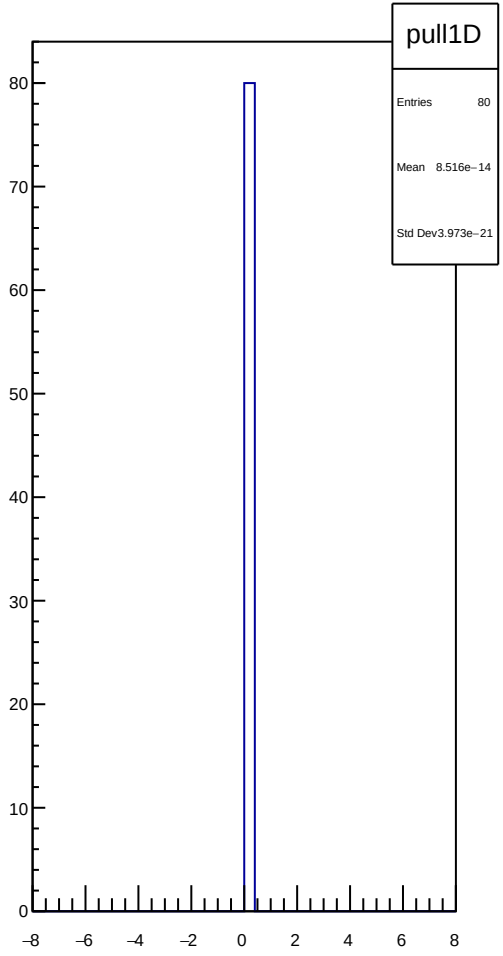


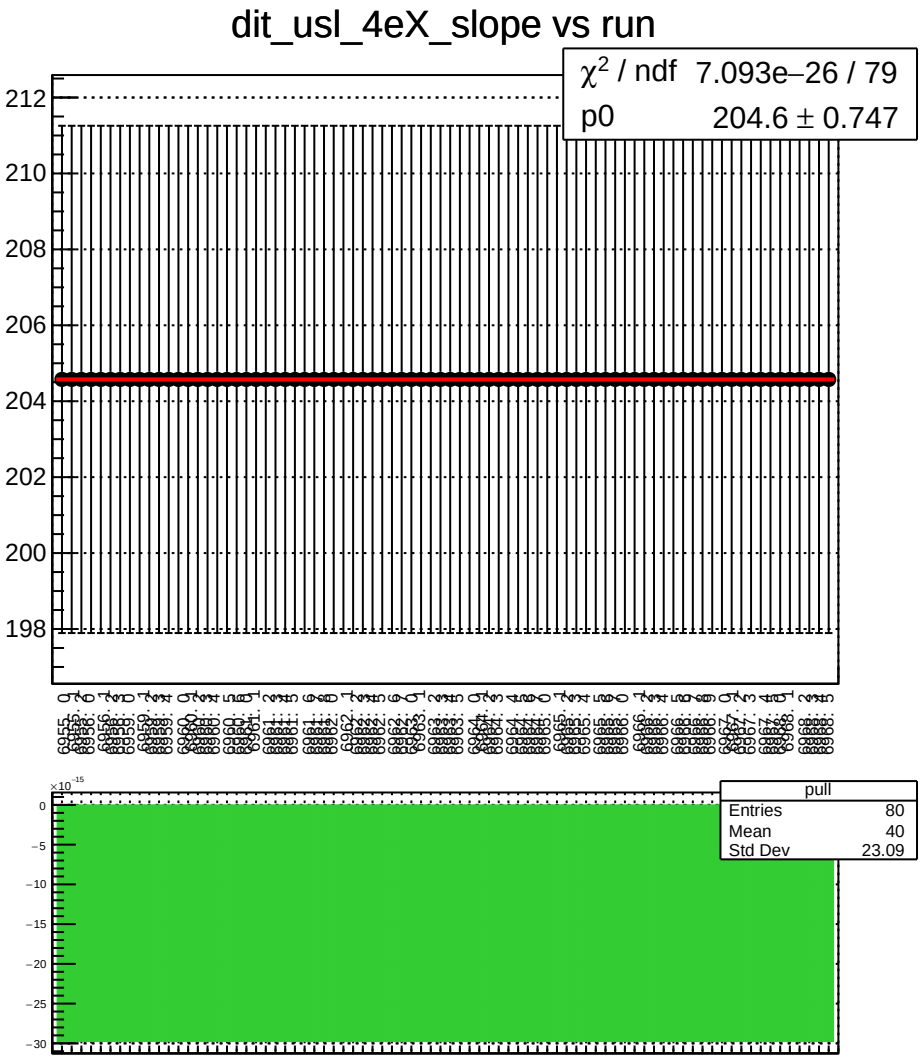

asym_sam_12345678_avg_mean vs run
χ² / ndf 80.44 / 79
p0 449.4 ± 797
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 42.24
Std Dev 23.84
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01454
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

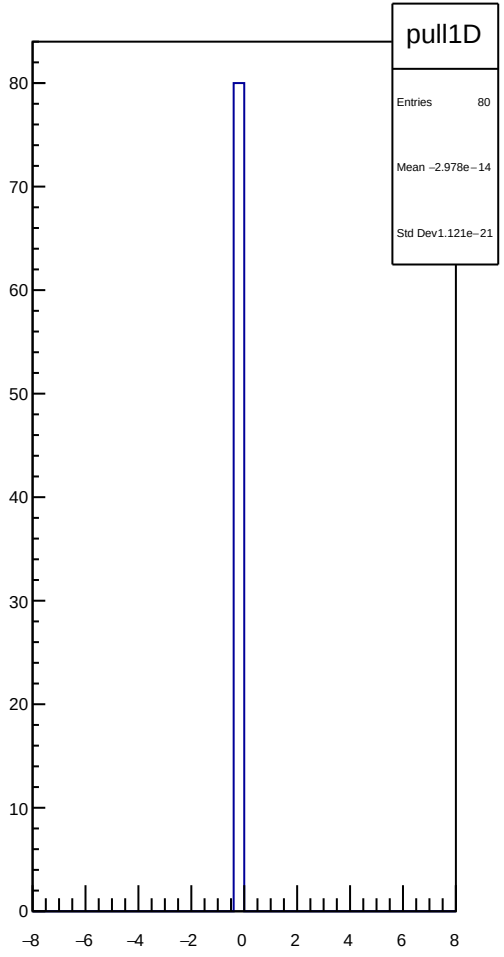
asym_sam_12345678_avg_rms vs run

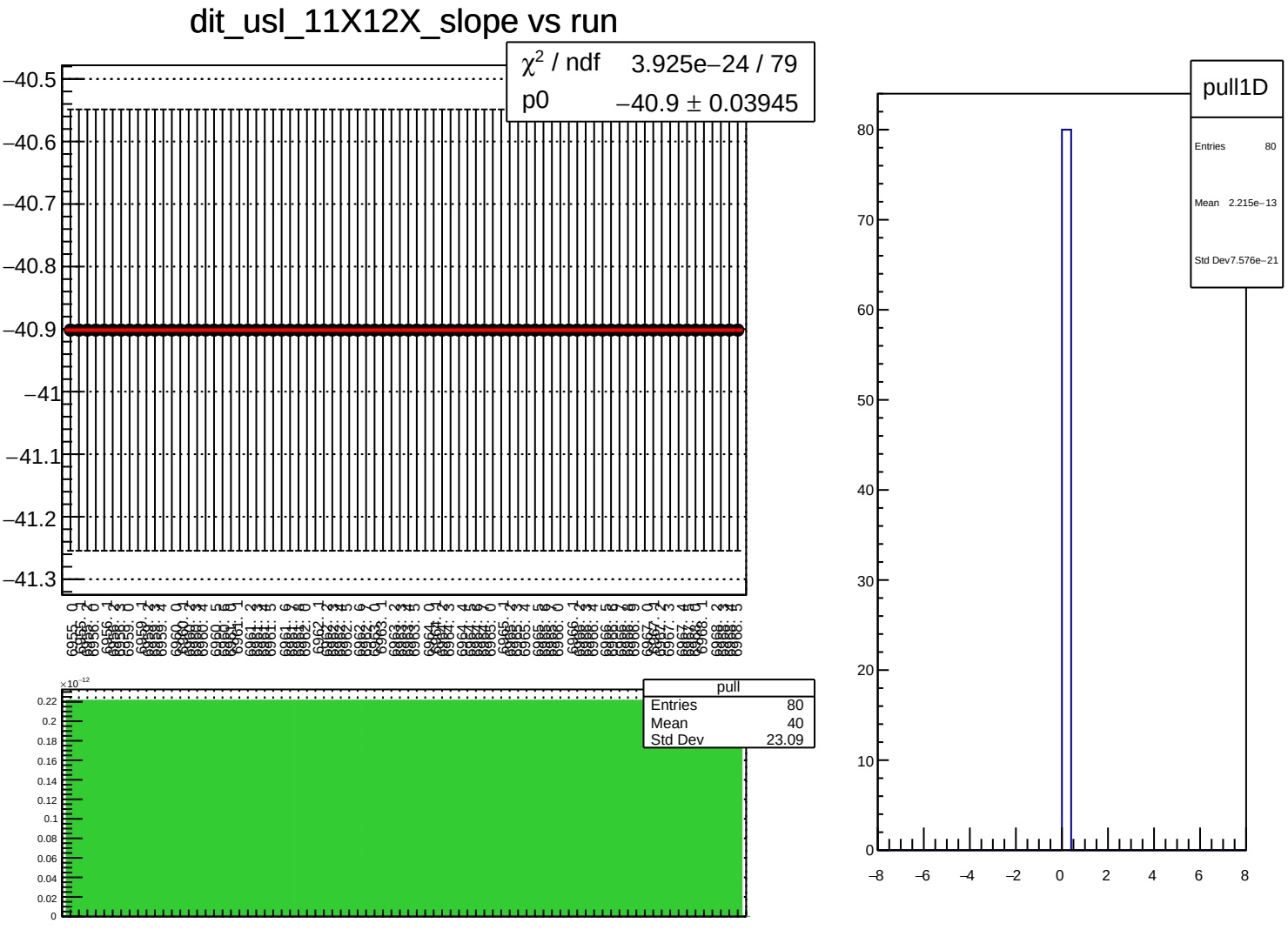


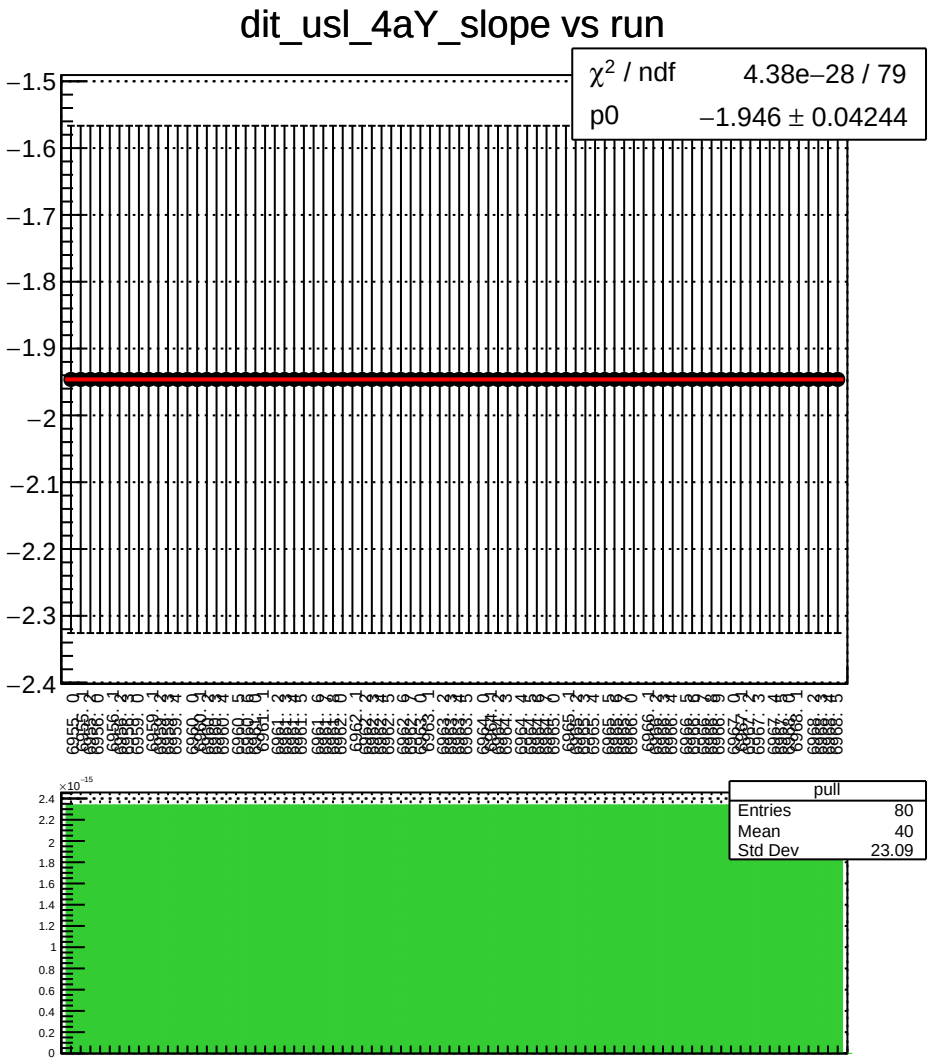

dit_usl_4aX_slope vs run
χ^2 / ndf 5.801e−25 / 79
p0 −252.9 ± 0.7463
−246
−248
−250
−252
−254
−256
−258
−260
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
80
70
60
50
40
30
20
10
0

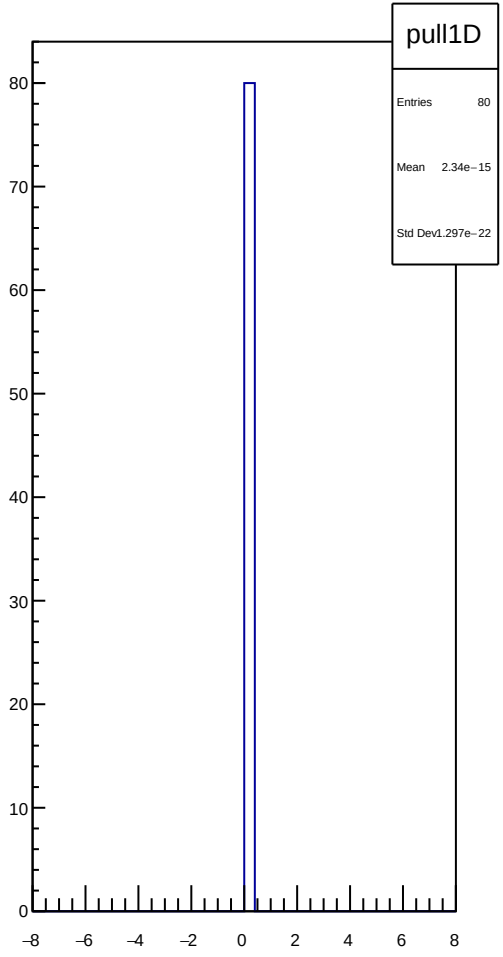

pull1D
Entries 80
Mean 8.516e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

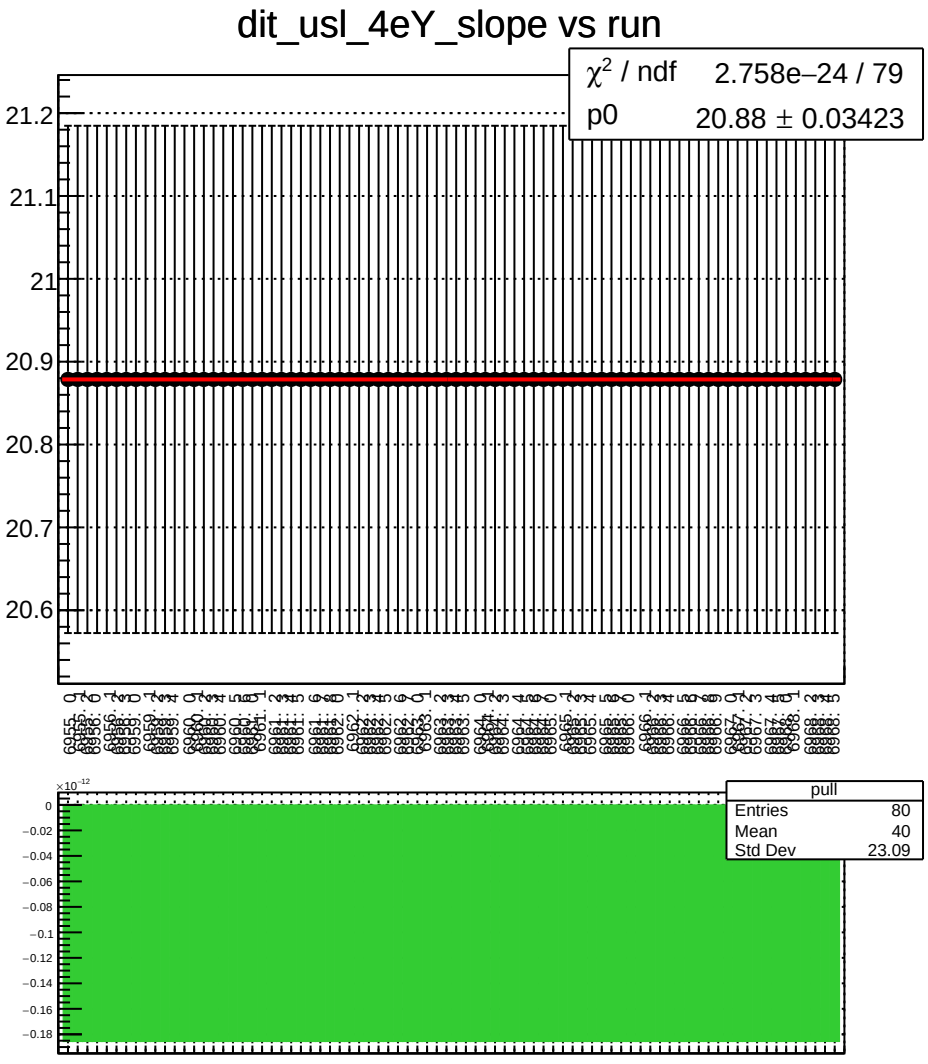

dit_usl_4eX_slope vs run
χ^2 / ndf 7.093e−26 / 79
p0 204.6 ± 0.747
212
210
208
206
204
202
200
198
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25
−30

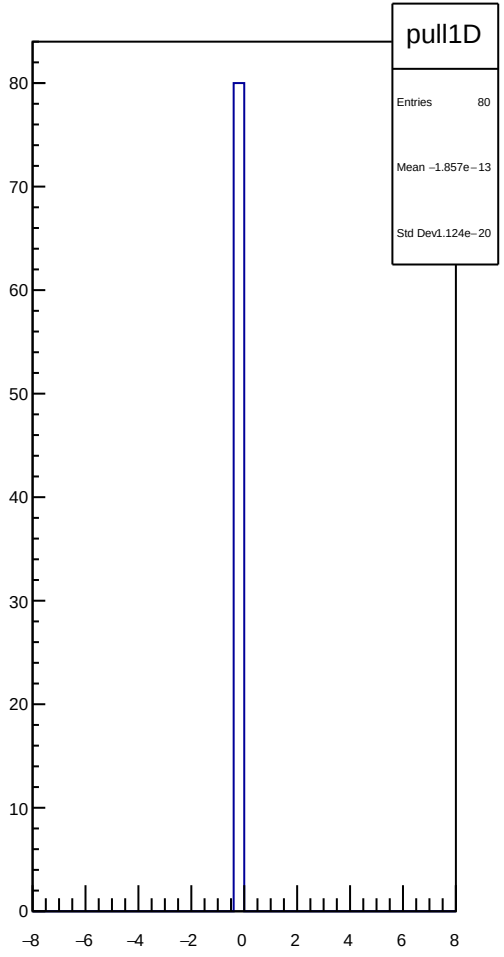

pull1D
Entries 80
Mean −2.978e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

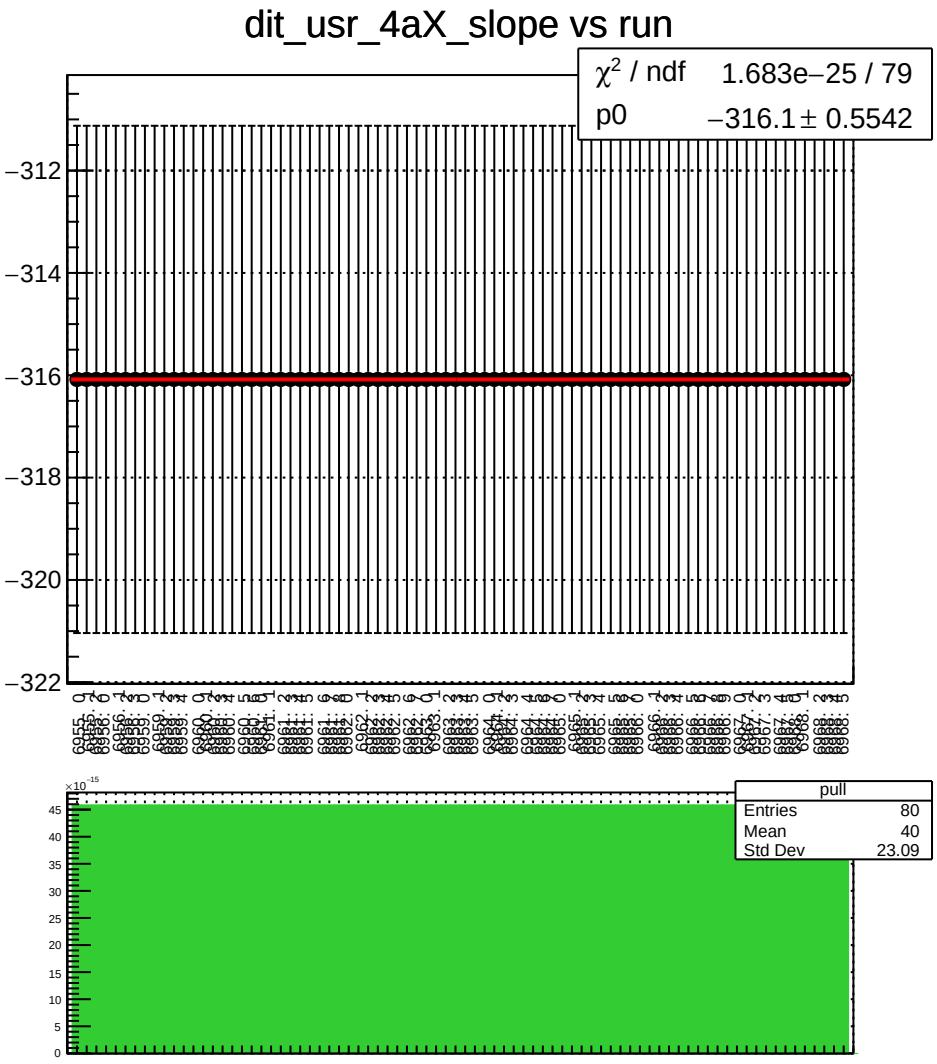

dit_usl_11X12X_slope vs run
χ² / ndf 3.925e−24 / 79
p0 −40.9 ± 0.03945
−40.5
−40.6
−40.7
−40.8
−40.9
−41
−41.1
−41.2
−41.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
pull1D
Entries 80
Mean 2.215e−13
Std Dev 7.576e−21

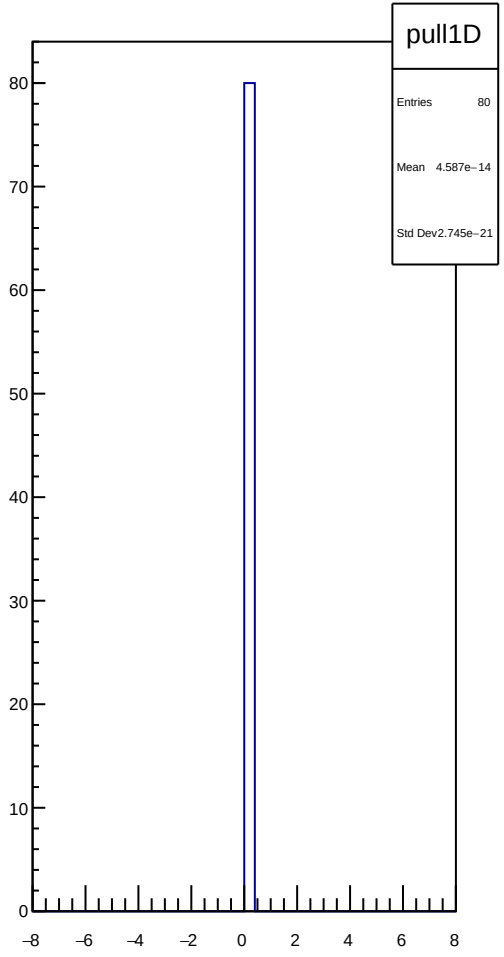

dit_usl_4aY_slope vs run
χ² / ndf 4.38e−28 / 79
p0 −1.946 ± 0.04244
pull
Entries 80
Mean 40
Std Dev 23.09

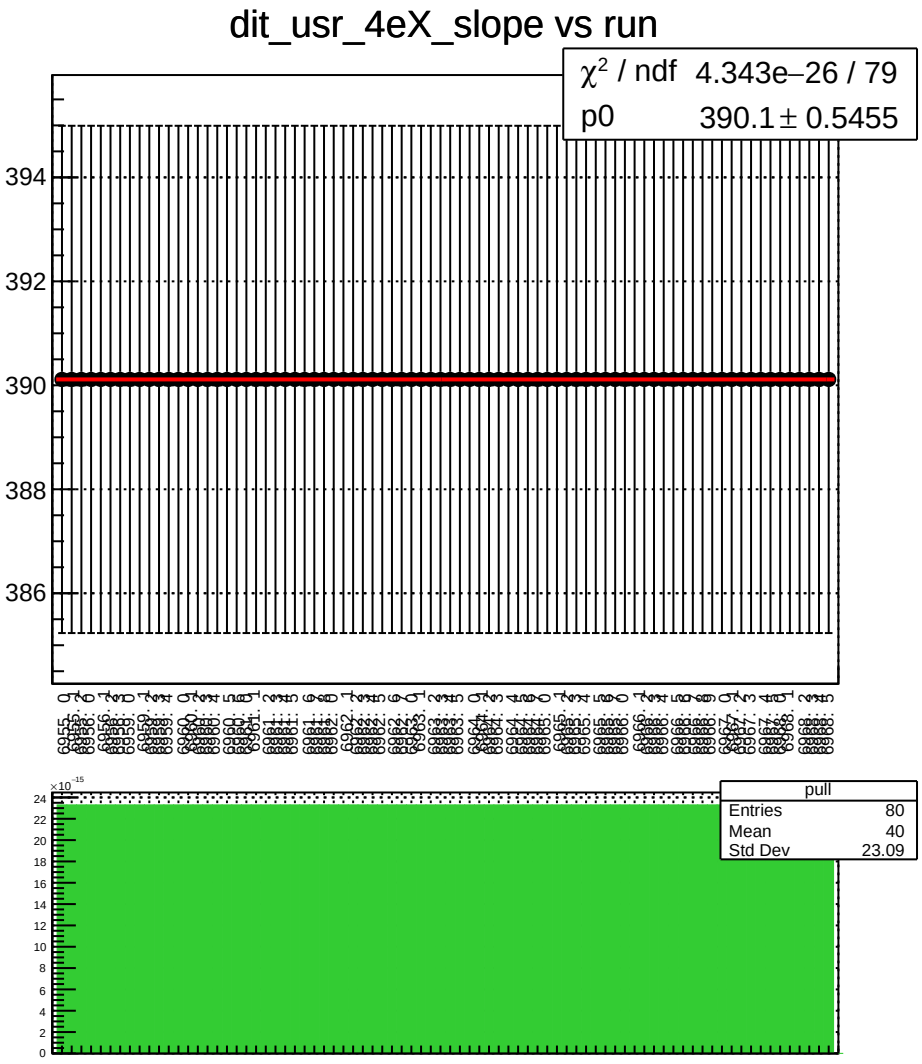

pull1D
Entries 80
Mean 2.34e−15
Std Dev 1.297e−22

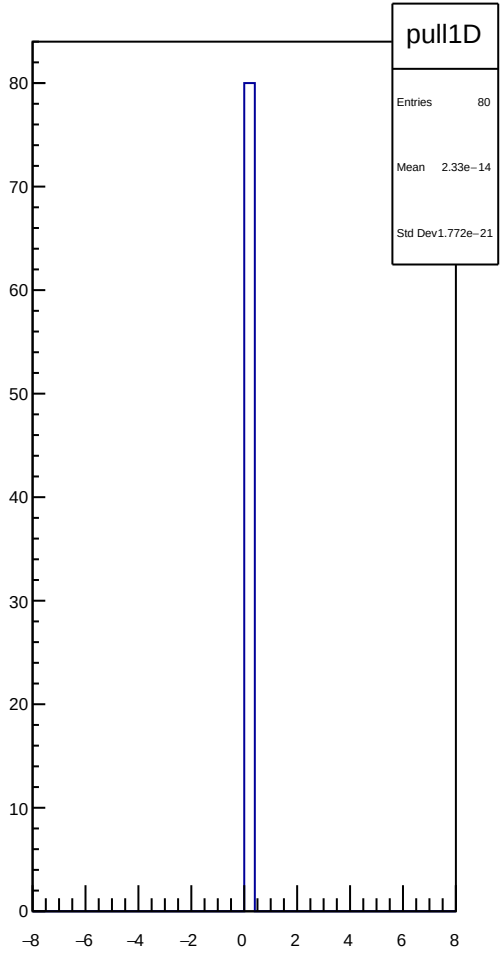

dit_usl_4eY_slope vs run
χ^2 / ndf 2.758e−24 / 79
p0 20.88 ± 0.03423
21.2
21.1
21
20.9
20.8
20.7
20.6
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

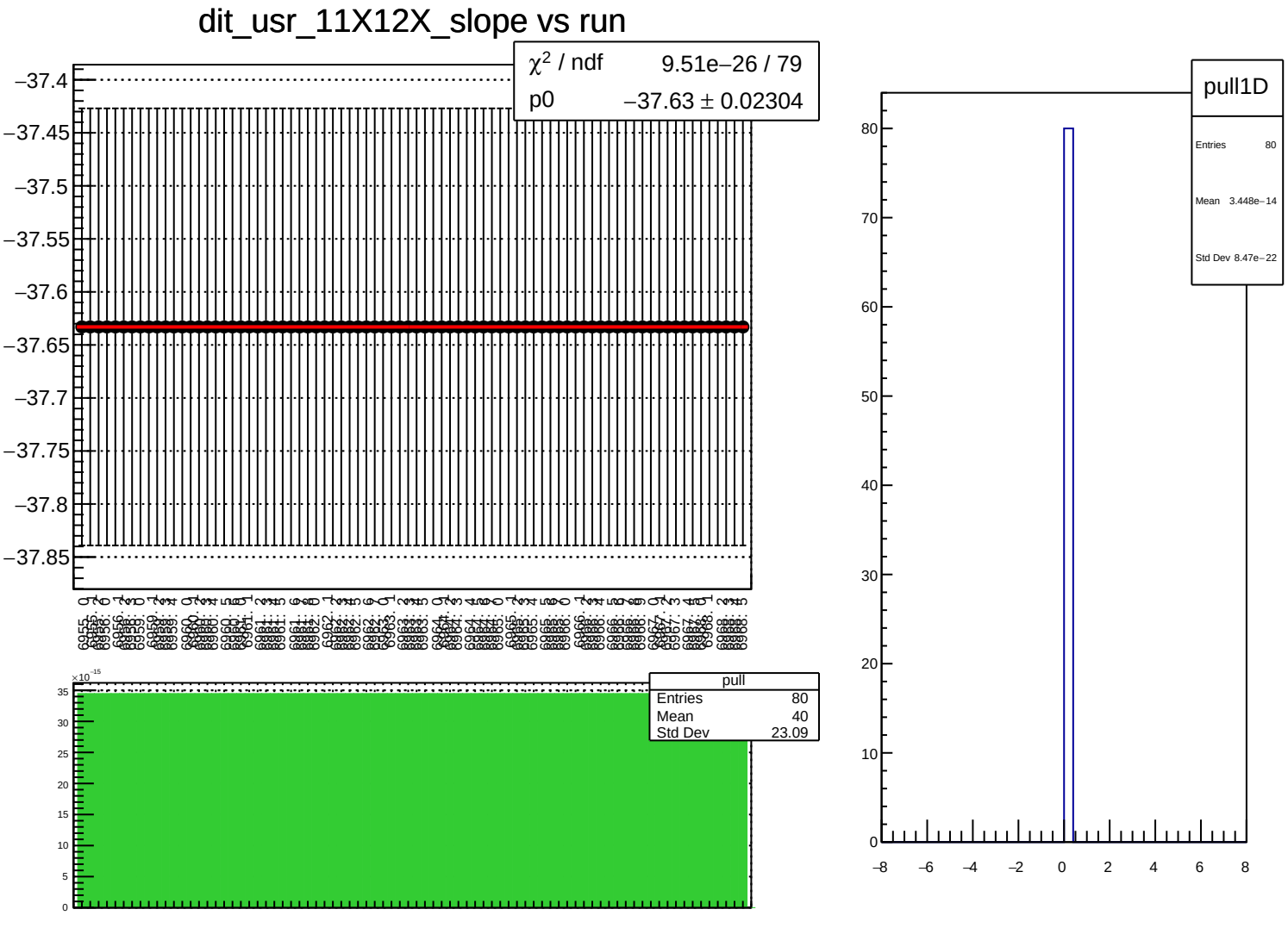

pull1D
Entries 80
Mean −1.857e−13
Std Dev1.124e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

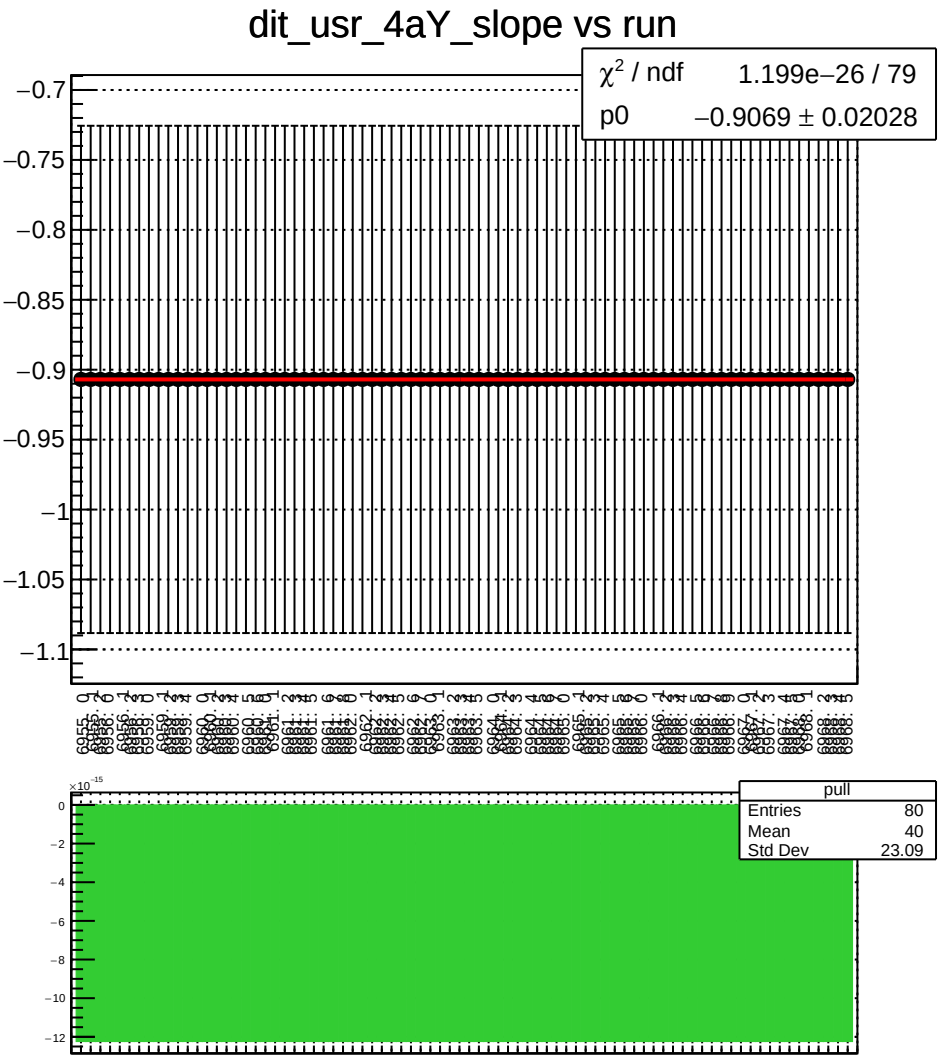

dit_usr_4aX_slope vs run
χ² / ndf 1.683e−25 / 79
p0 −316.1 ± 0.5542
−312
−314
−316
−318
−320
−322
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

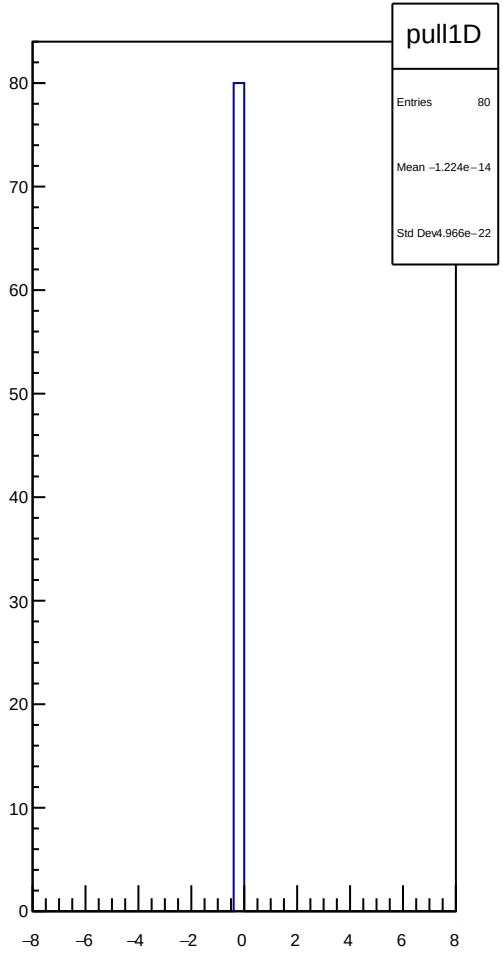

pull1D
Entries 80
Mean 4.587e−14
Std Dev 2.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

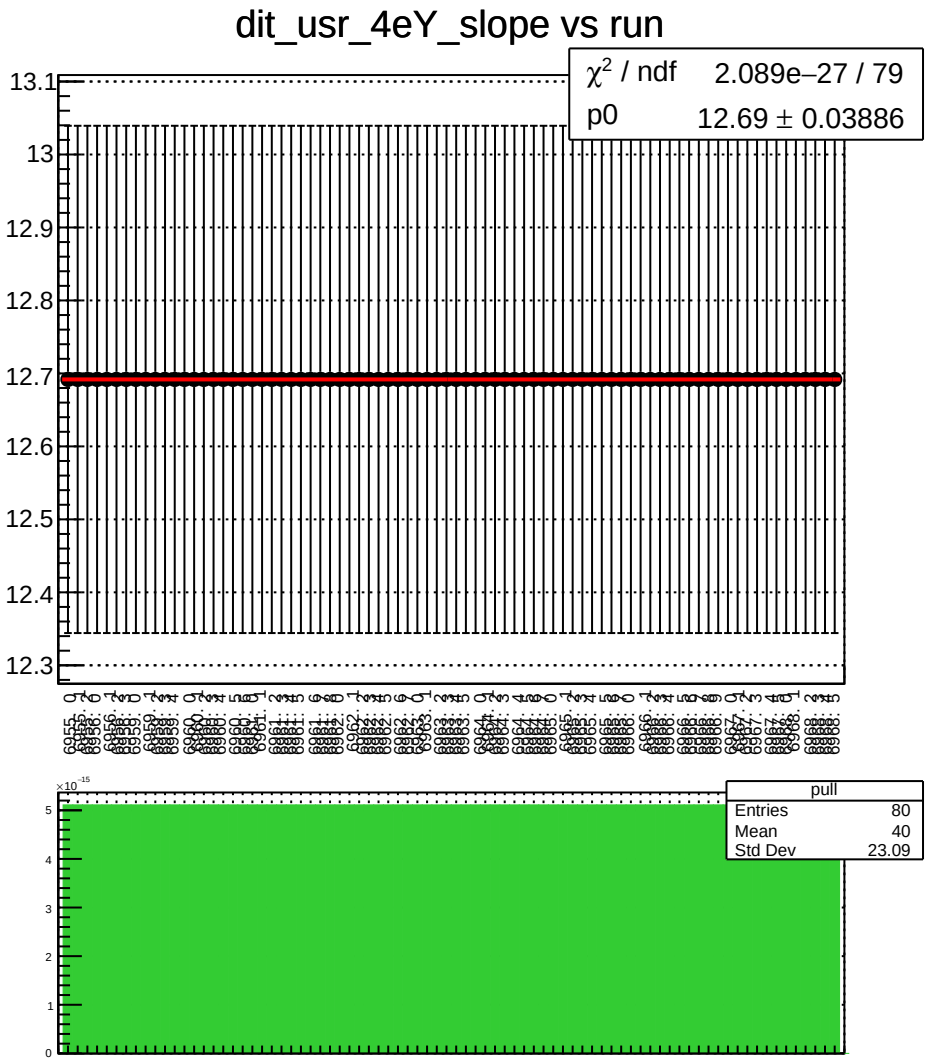

dit_usr_4eX_slope vs run
χ² / ndf 4.343e−26 / 79
p0 390.1 ± 0.5455
394
392
390
388
386
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0

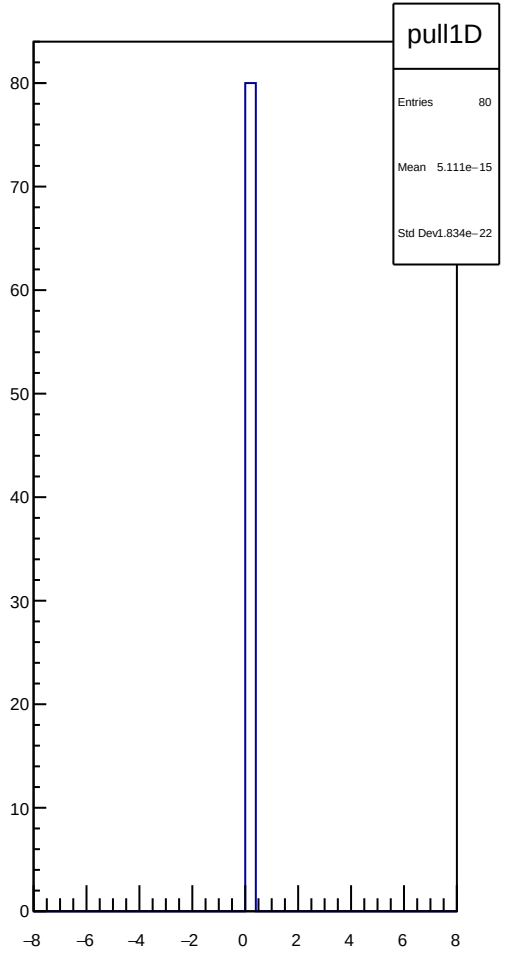

pull1D
Entries 80
Mean 2.33e−14
Std Dev 1.772e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

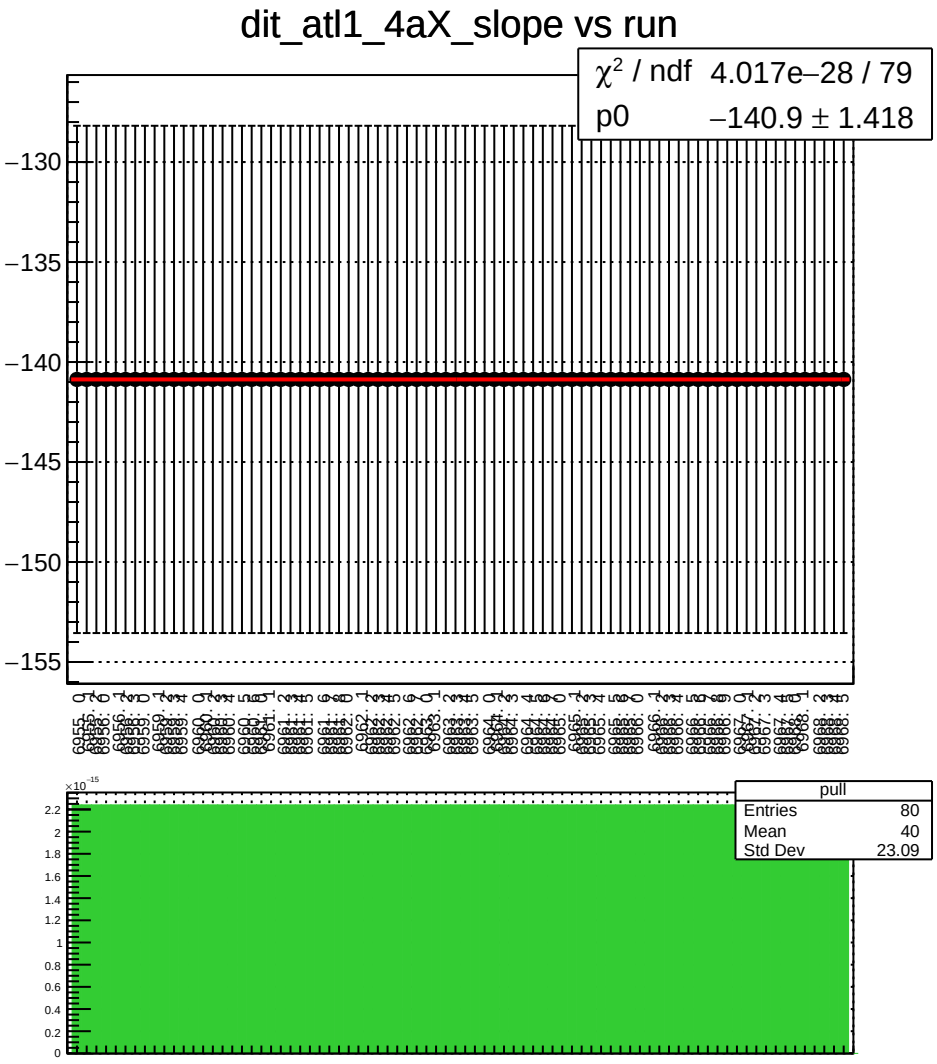

dit_usr_11X12X_slope vs run
χ² / ndf 9.51e−26 / 79
p0 −37.63 ± 0.02304
−37.4
−37.45
−37.5
−37.55
−37.6
−37.65
−37.7
−37.75
−37.8
−37.85
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 80
Mean 3.448e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

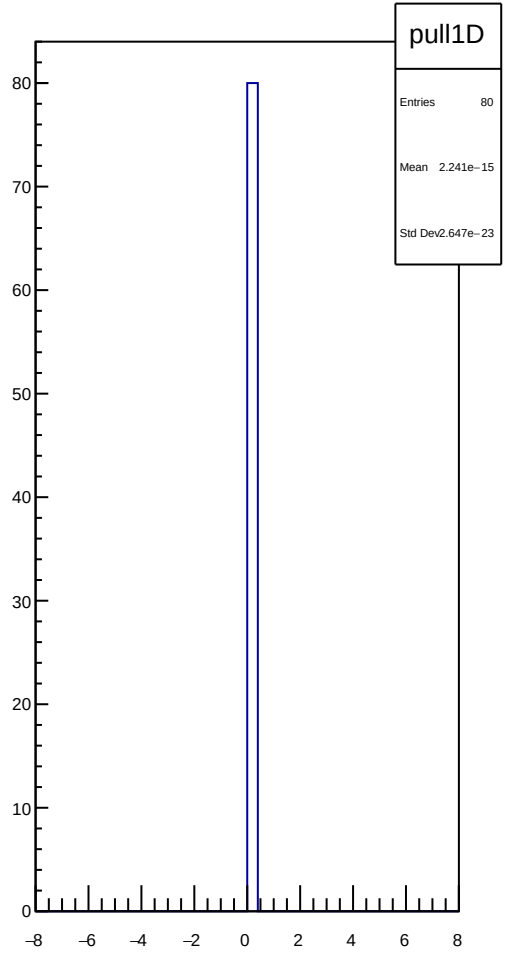

dit_usr_4aY_slope vs run
χ² / ndf 1.199e−26 / 79
p0 −0.9069 ± 0.02028
pull
Entries 80
Mean 40
Std Dev 23.09

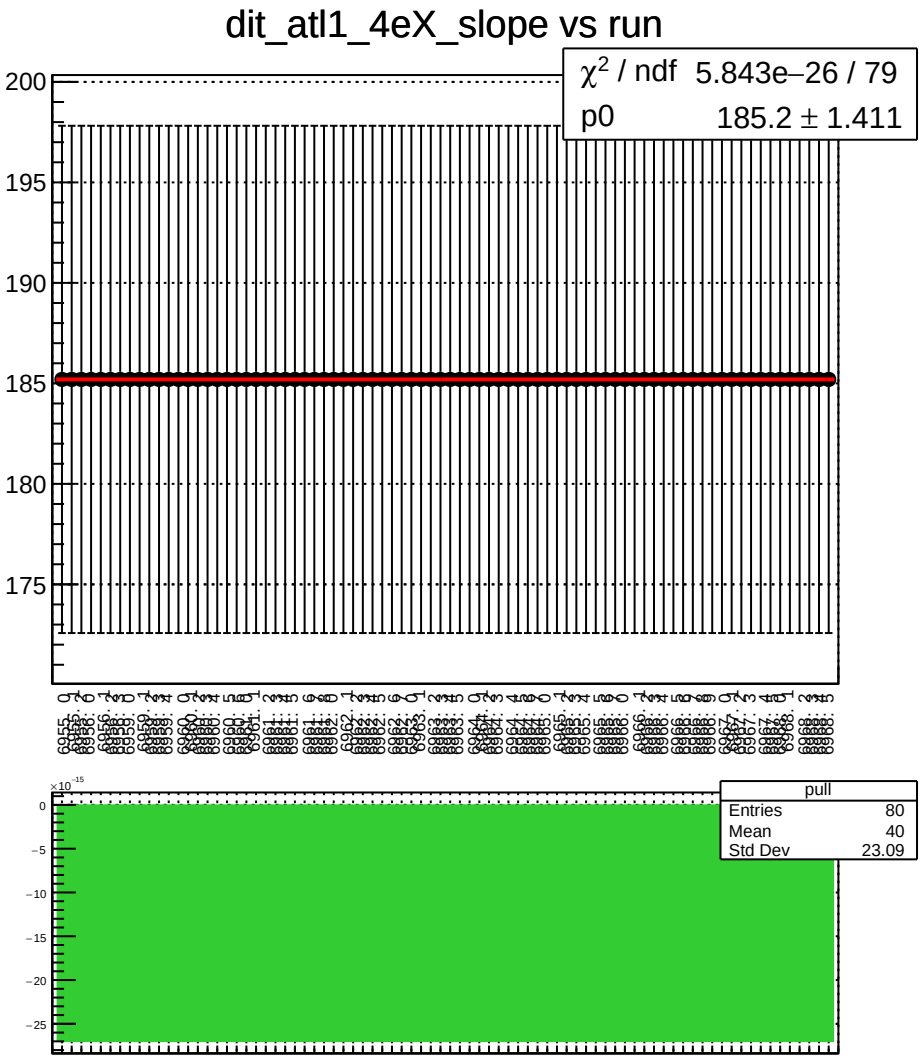

pull1D
Entries 80
Mean −1.224e−14
Std Dev4.966e−22

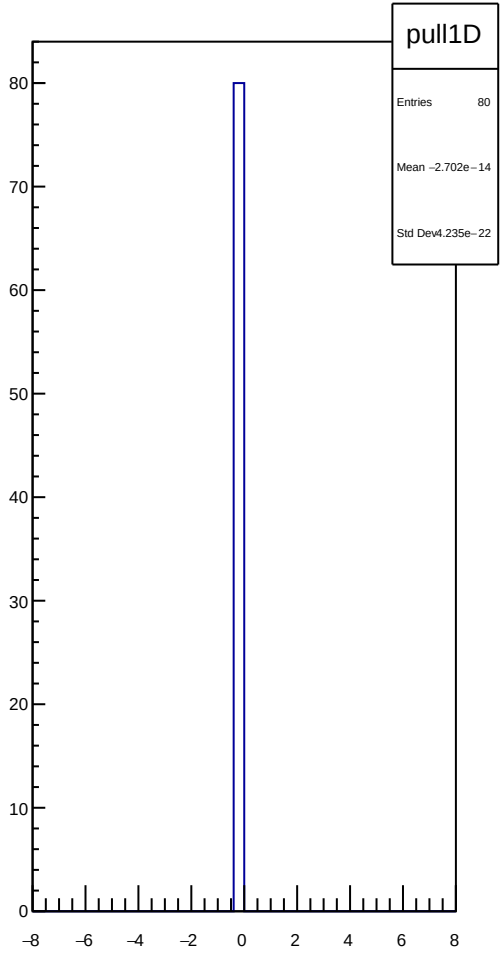

dit_usr_4eY_slope vs run
χ² / ndf 2.089e−27 / 79
p0 12.69 ± 0.03886
13.1
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
5
4
3
2
1
0

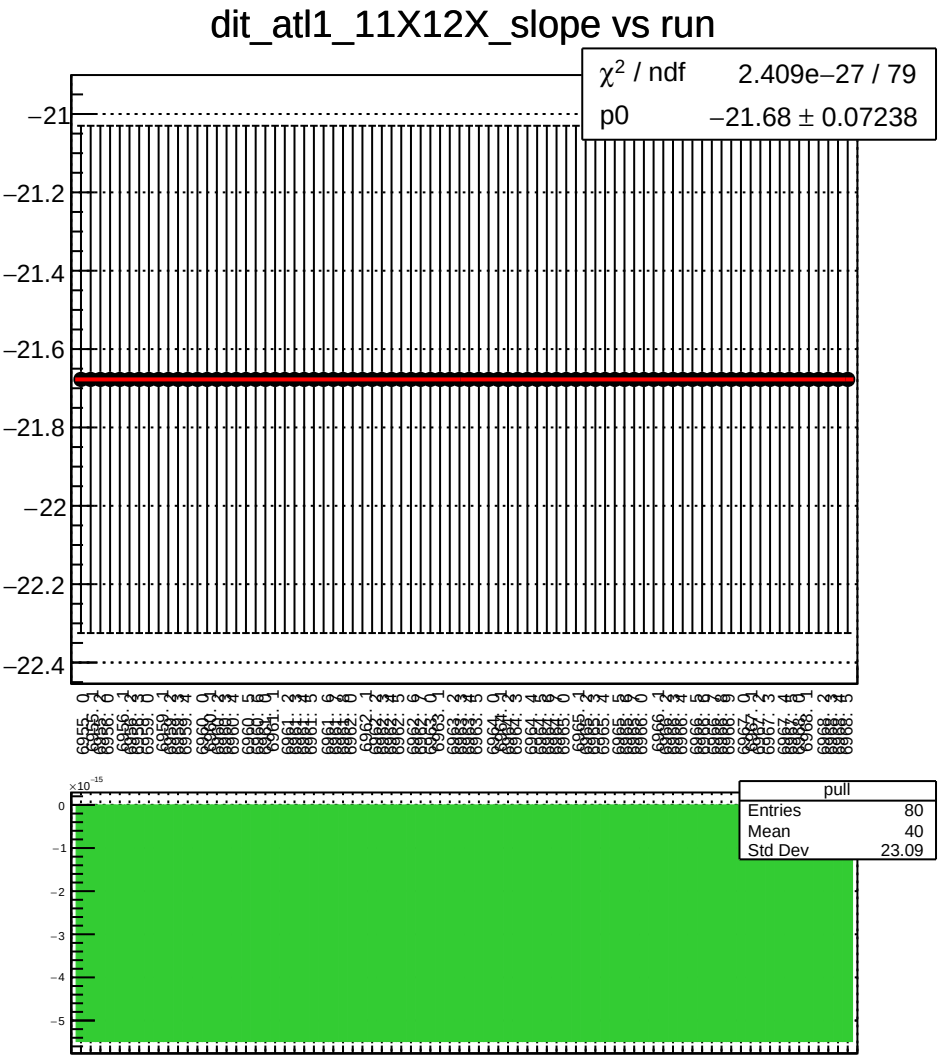

pull1D
Entries 80
Mean 5.111e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

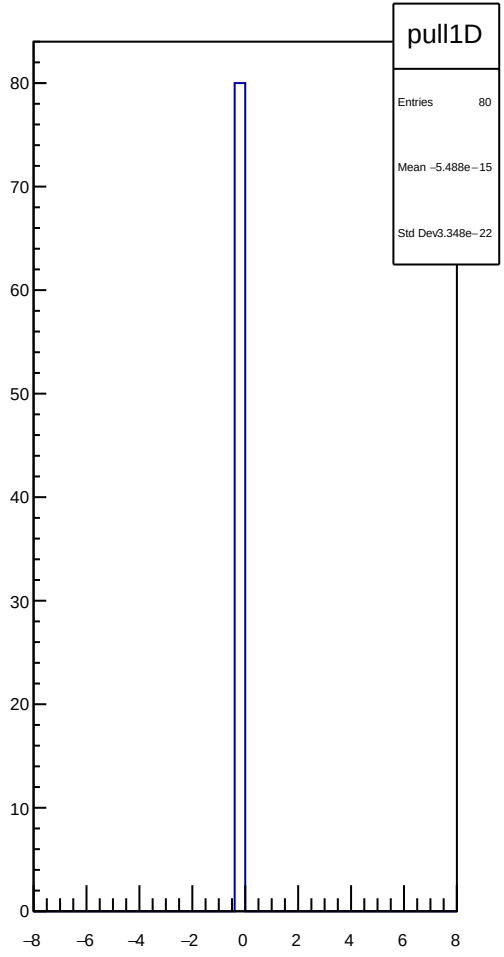

dit_atl1_4aX_slope vs run
χ² / ndf 4.017e−28 / 79
p0 −140.9 ± 1.418
−130
−135
−140
−145
−150
−155
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

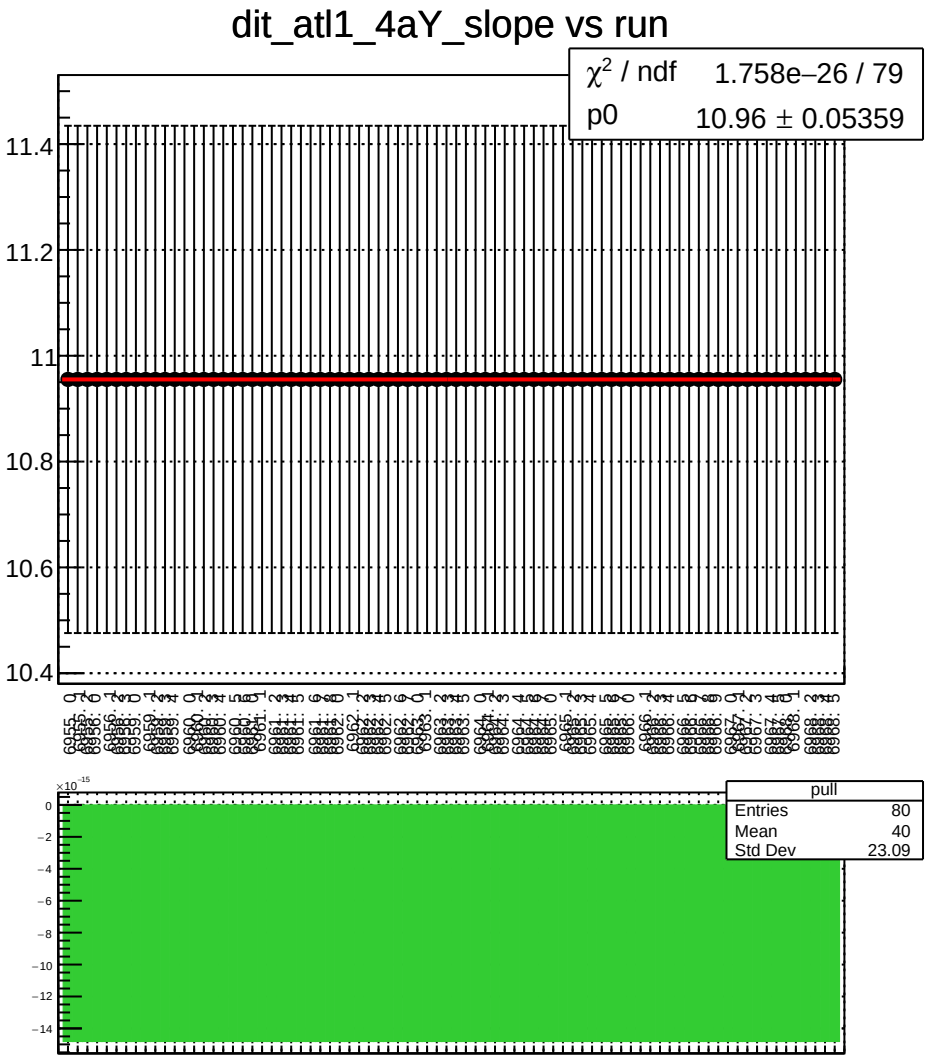

pull1D
Entries 80
Mean 2.241e−15
Std Dev 2.647e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

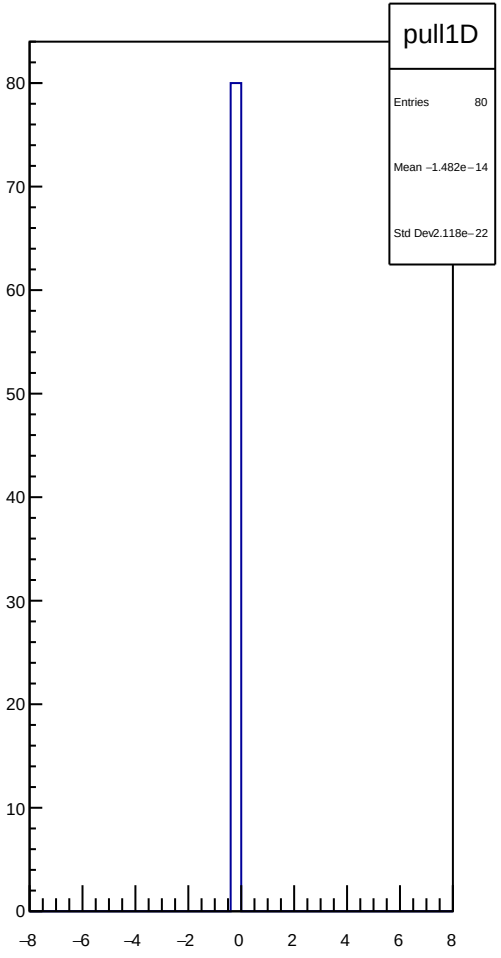

dit_atl1_4eX_slope vs run
χ^2 / ndf 5.843e−26 / 79
p0 185.2 ± 1.411
200
195
190
185
180
175
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-15}$
0
−5
−10
−15
−20
−25

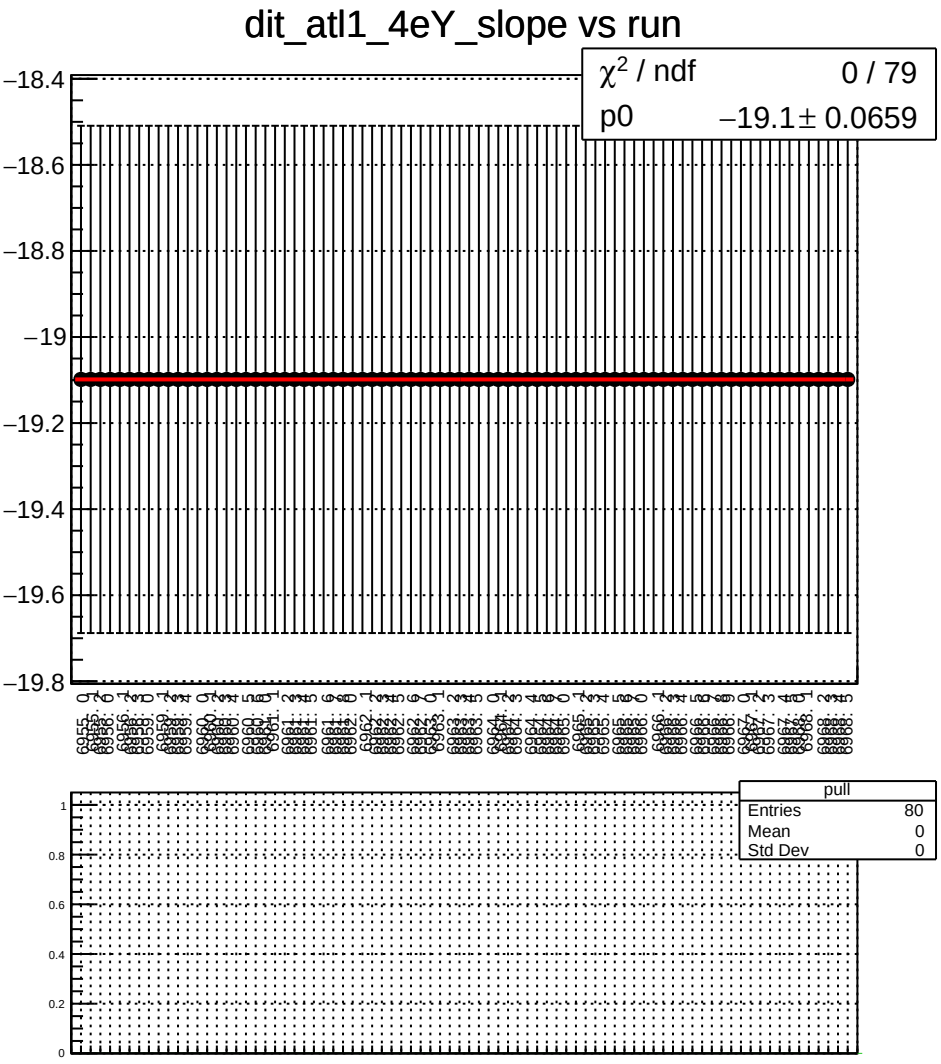

pull1D
Entries 80
Mean −2.702e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

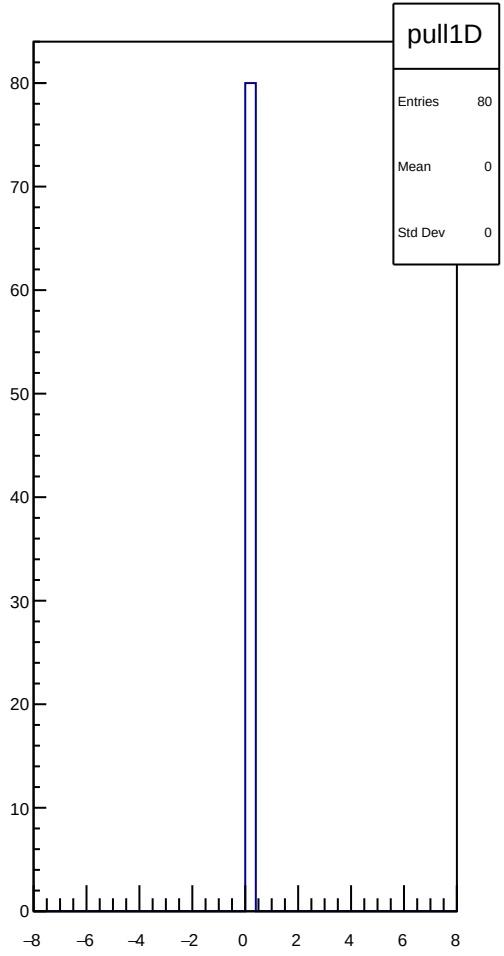

dit_atl1_11X12X_slope vs run
χ^2 / ndf 2.409e−27 / 79
p0 −21.68 ± 0.07238
−21
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−1
−2
−3
−4
−5

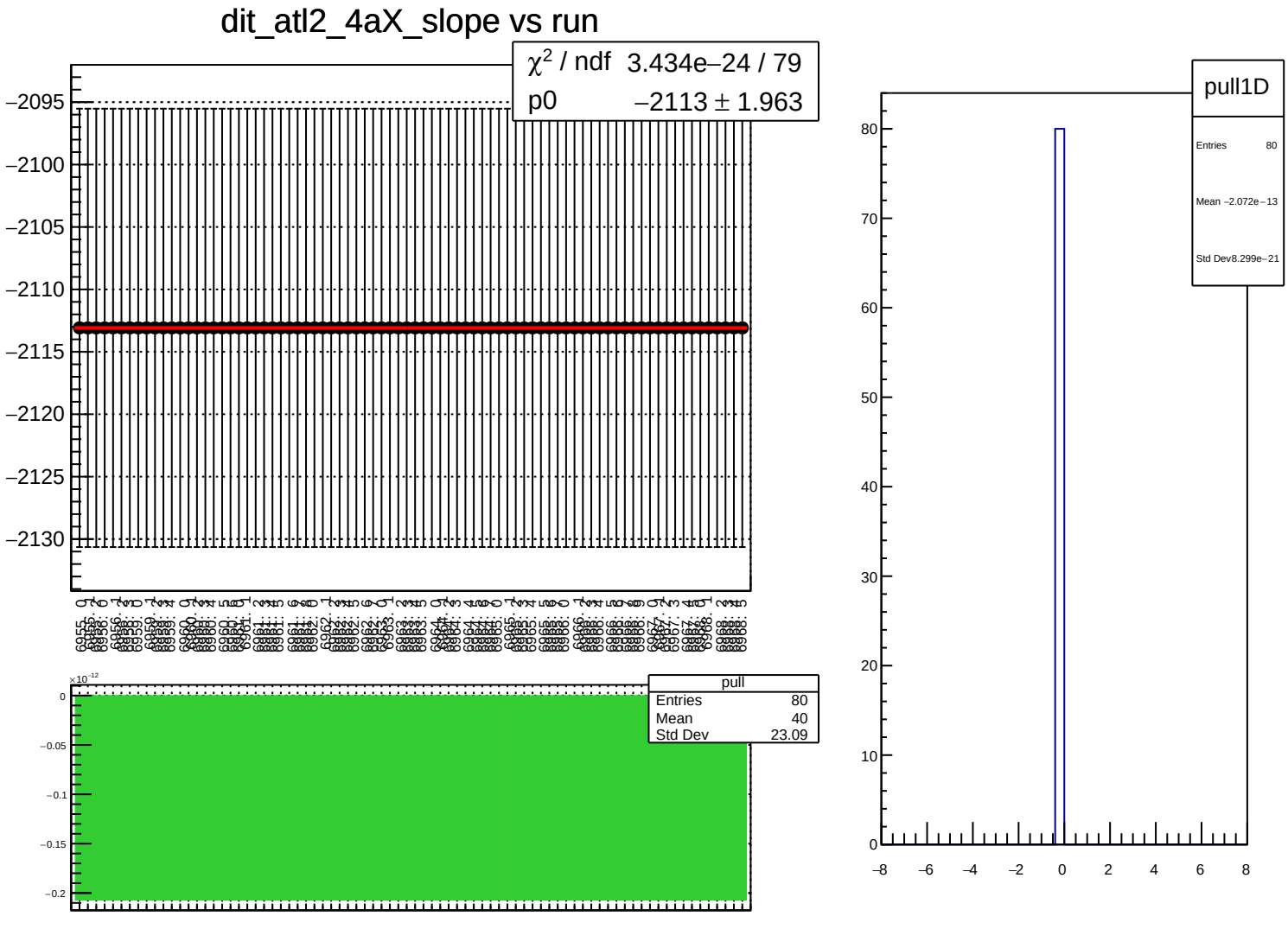

pull1D
Entries 80
Mean −5.488e−15
Std Dev3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

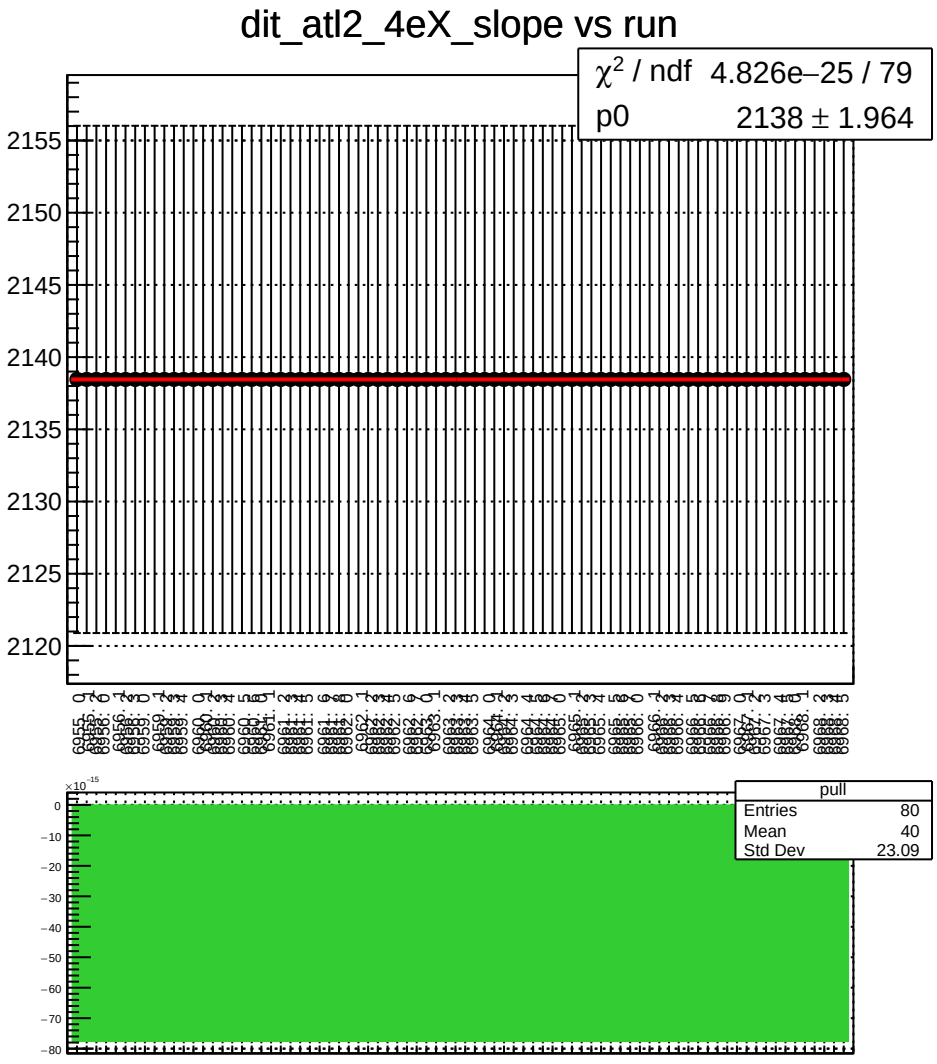

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.758e−26 / 79
p0 10.96 ± 0.05359
11.4
11.2
11
10.8
10.6
10.4
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-15}$
0
−2
−4
−6
−8
−10
−12
−14

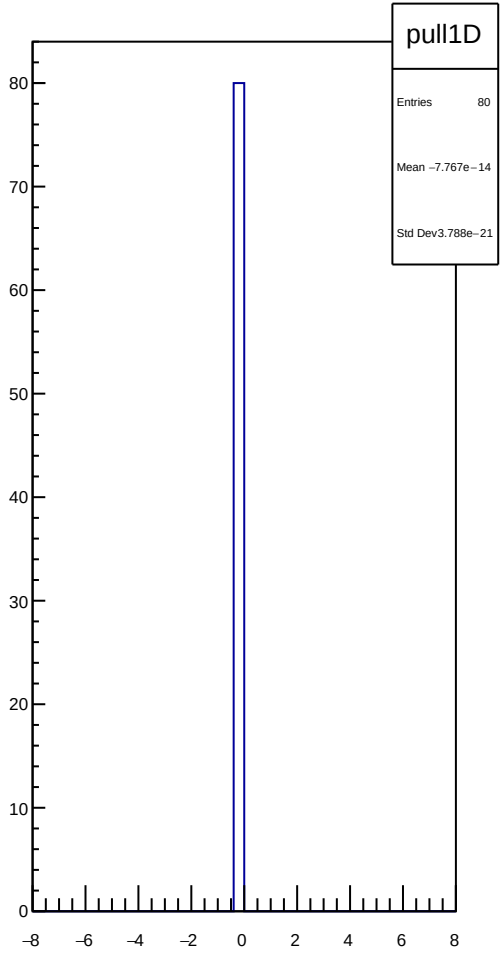

pull1D
Entries 80
Mean −1.482e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

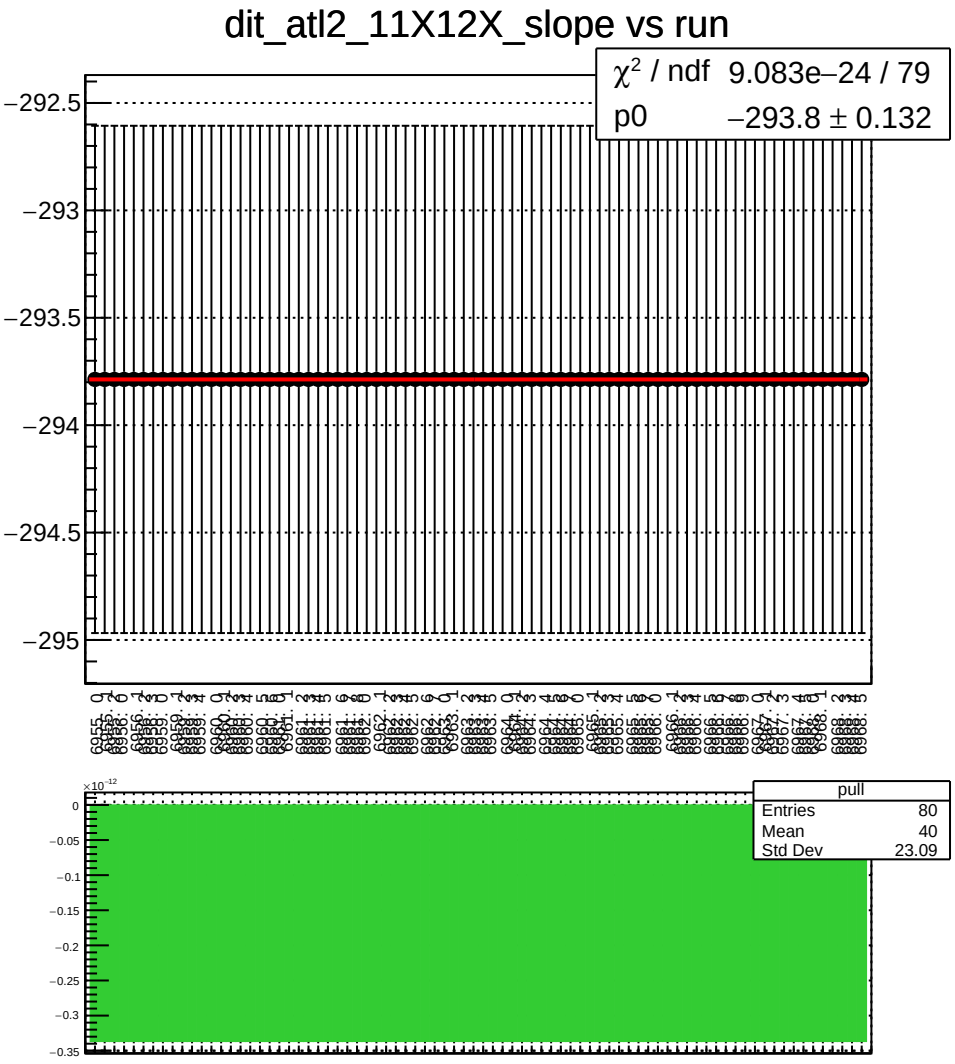

dit_atl1_4eY_slope vs run
χ² / ndf 0 / 79
p0 −19.1 ± 0.0659
−18.4
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

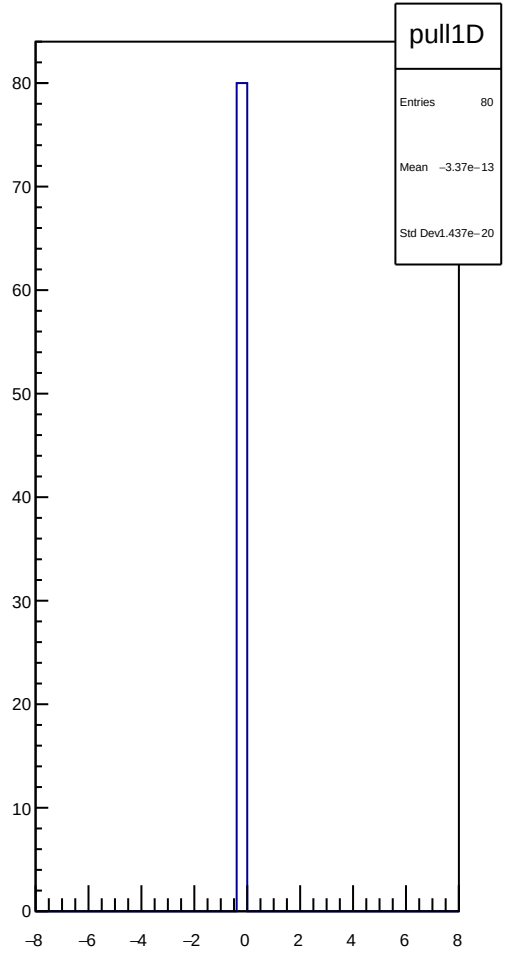

pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

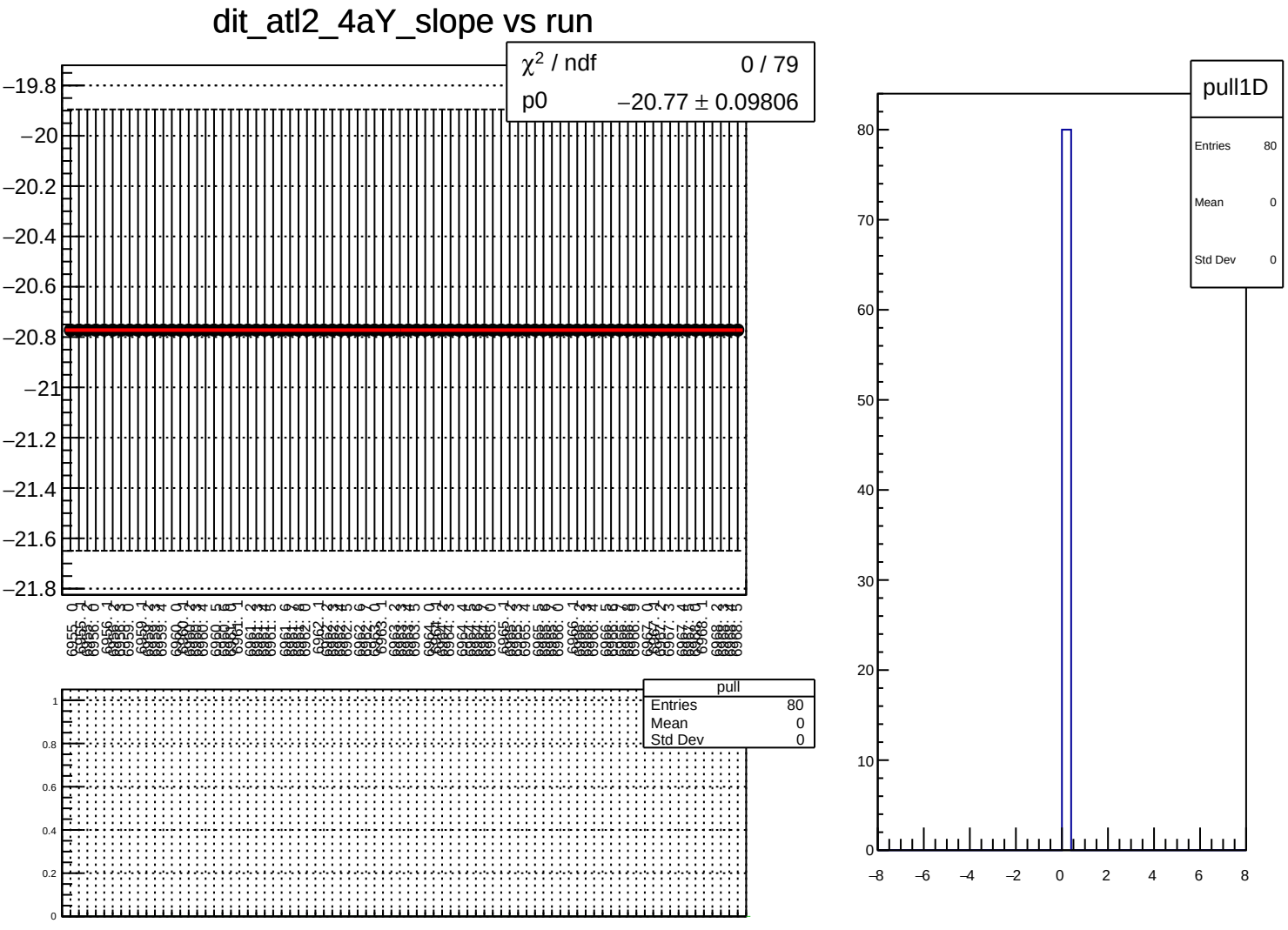

dit_atl2_4aX_slope vs run
χ^2 / ndf 3.434e−24 / 79
p0 −2113 ± 1.963
−2095
−2100
−2105
−2110
−2115
−2120
−2125
−2130
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 80
Mean −2.072e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

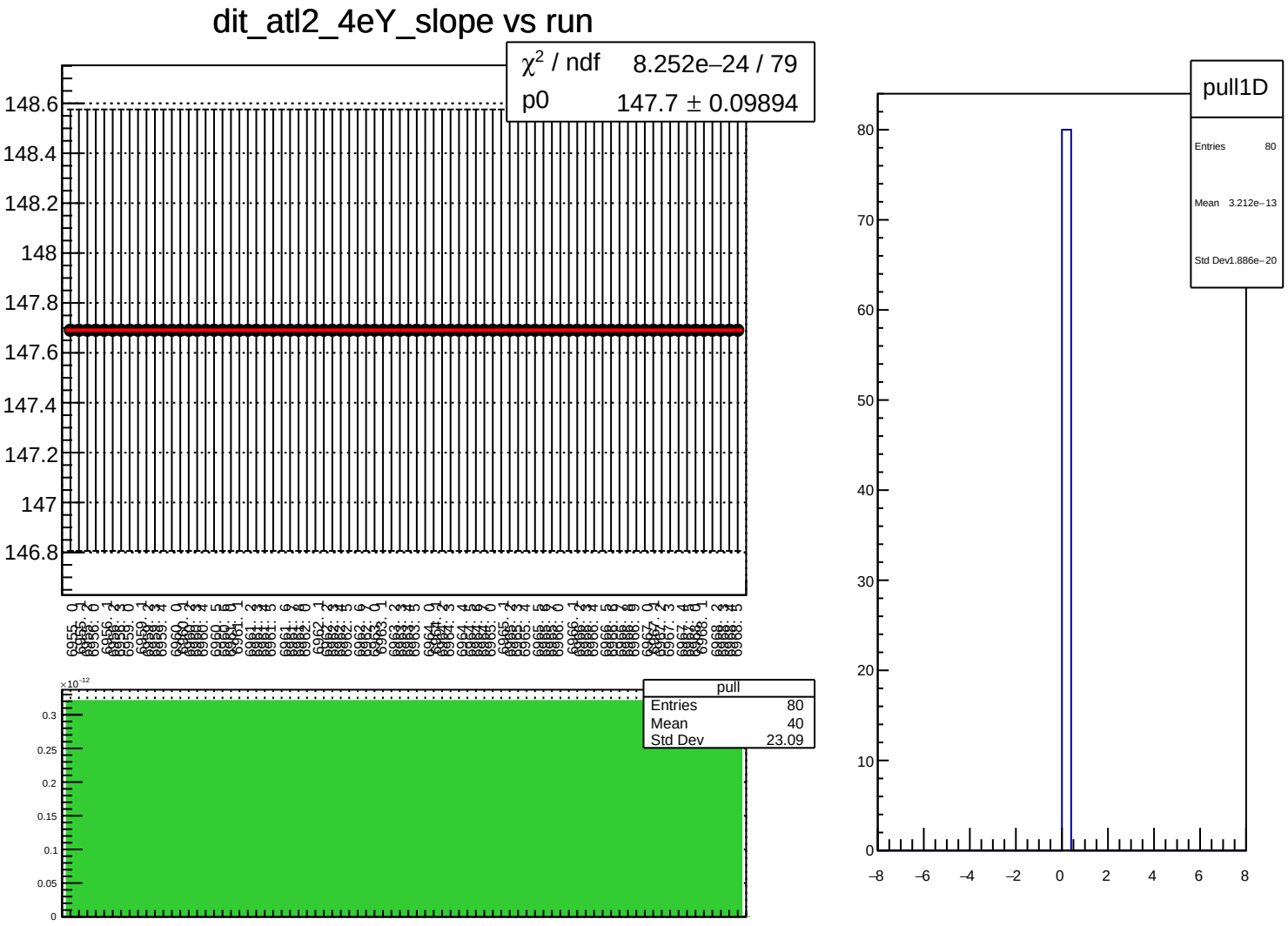

dit_atl2_4eX_slope vs run
χ^2 / ndf 4.826e−25 / 79
p0 2138 ± 1.964
2155
2150
2145
2140
2135
2130
2125
2120
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

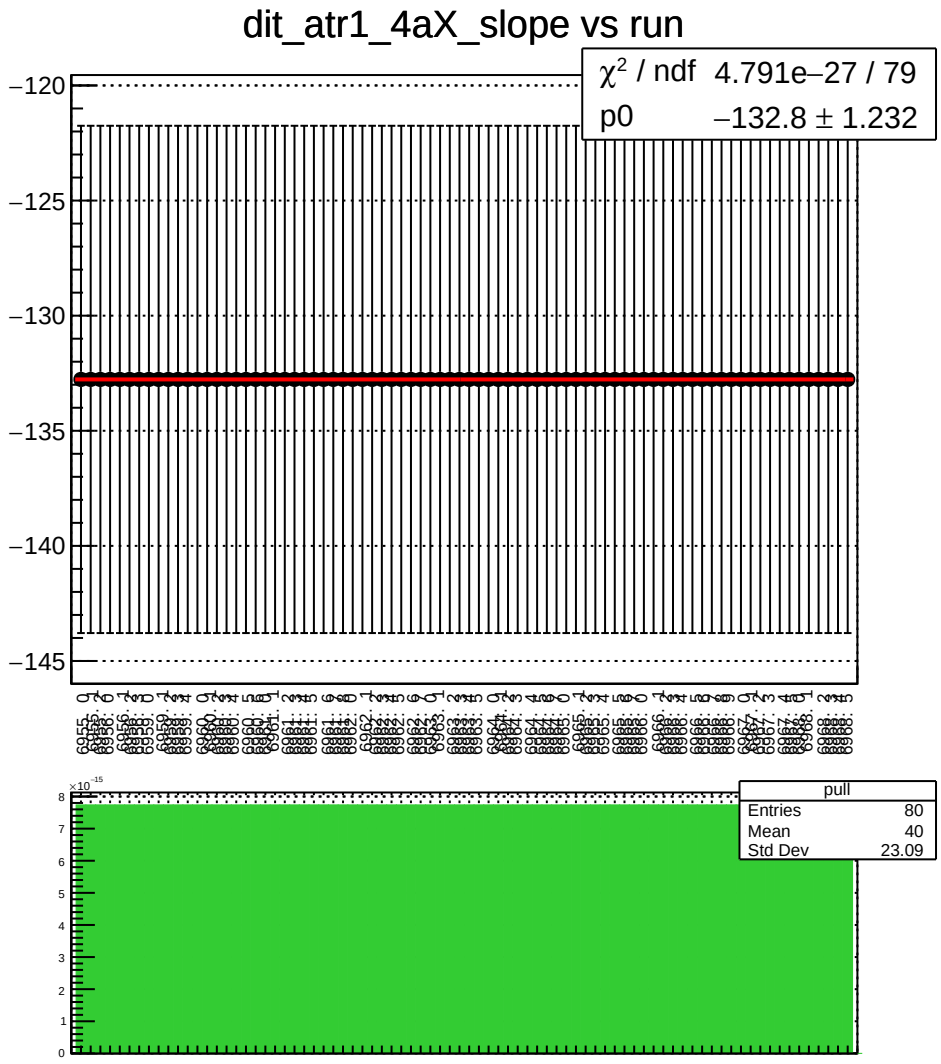

pull1D
Entries 80
Mean −7.767e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

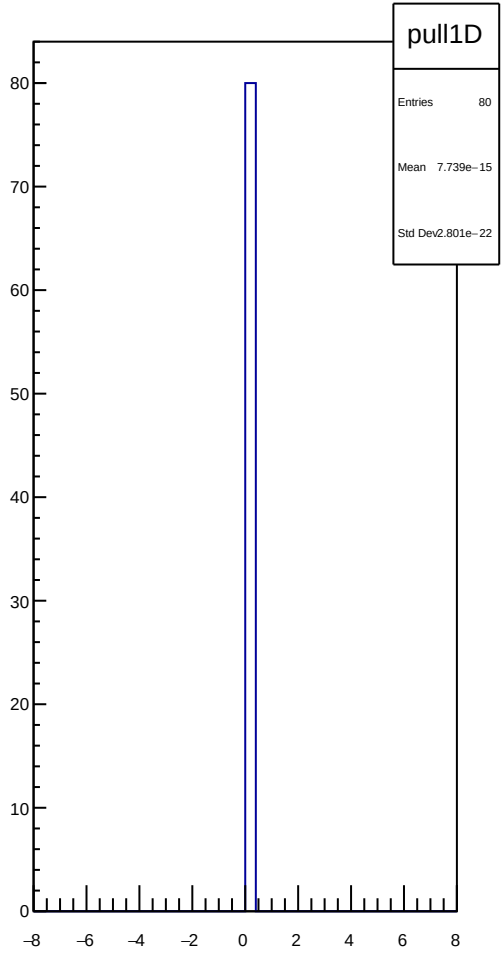

dit_atl2_11X12X_slope vs run
χ^2 / ndf 9.083e−24 / 79
p0 −293.8 ± 0.132
−292.5
−293
−293.5
−294
−294.5
−295
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

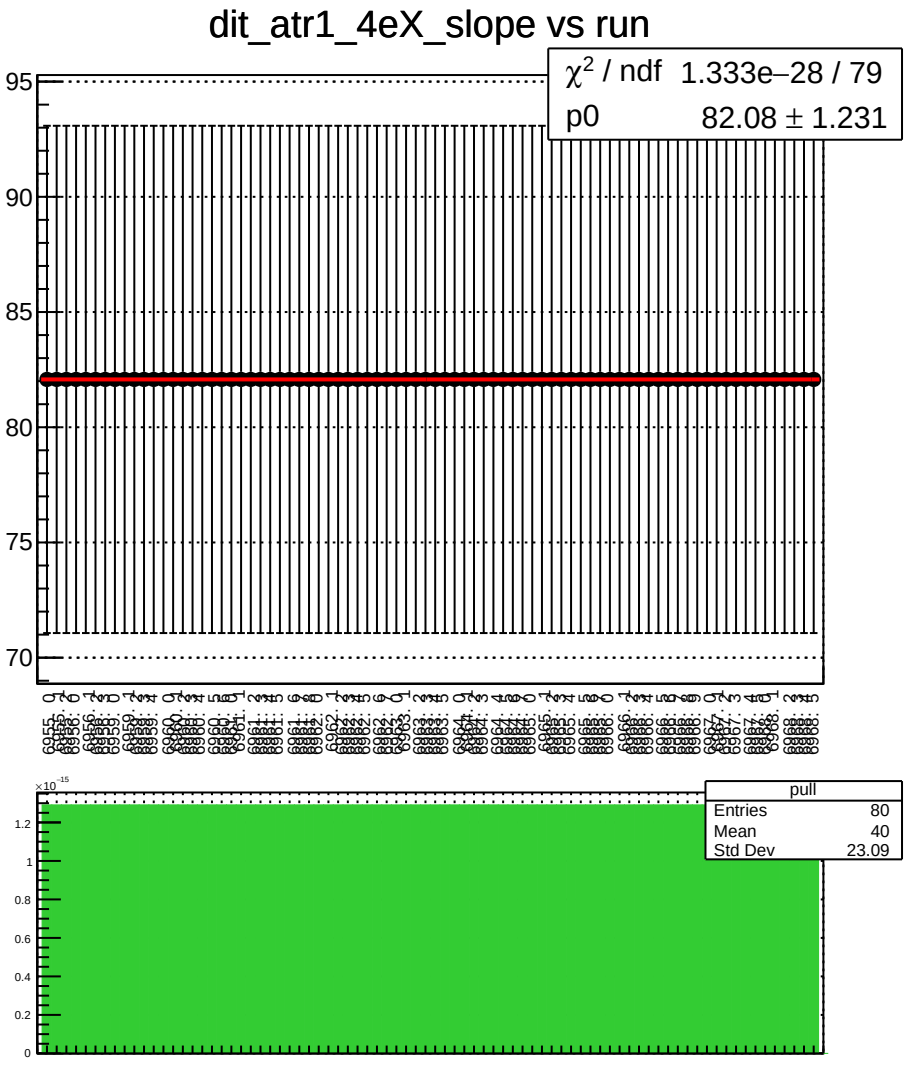

pull1D
Entries 80
Mean −3.37e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

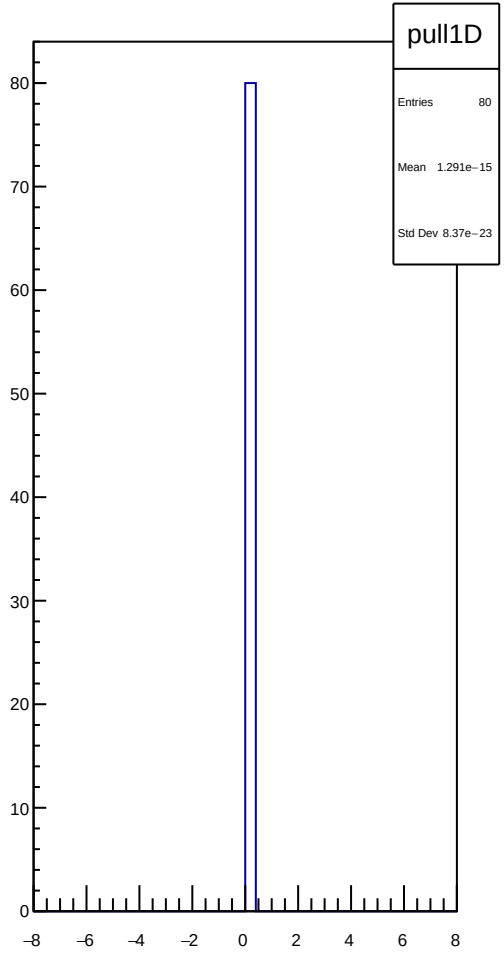

dit_atl2_4aY_slope vs run
χ² / ndf 0 / 79
p0 −20.77 ± 0.09806
−19.8
−20
−20.2
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
−21.8
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

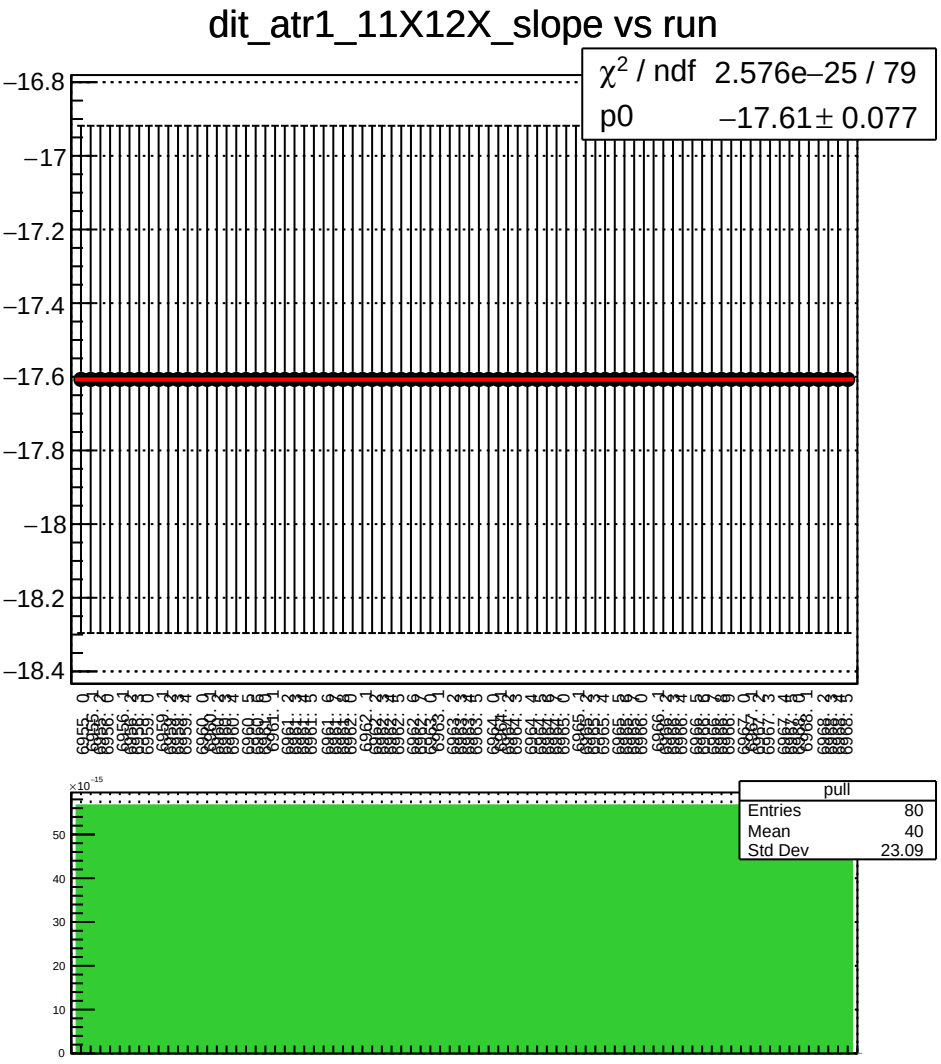

dit_atl2_4eY_slope vs run
χ² / ndf 8.252e−24 / 79
p0 147.7 ± 0.09894
148.6
148.4
148.2
148
147.8
147.6
147.4
147.2
147
146.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 3.212e−13
Std Dev 1.886e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

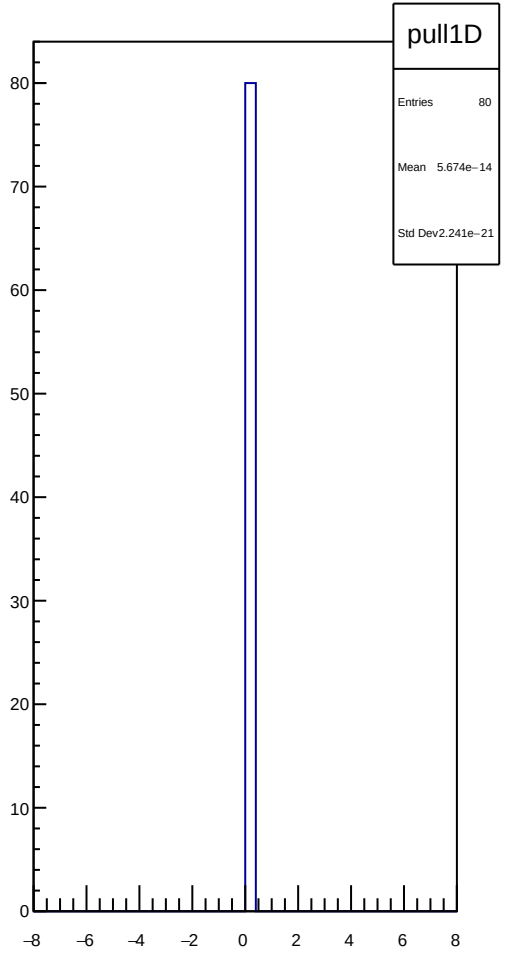

dit_atr1_4aX_slope vs run
χ^2 / ndf 4.791e−27 / 79
p0 −132.8 ± 1.232
−120
−125
−130
−135
−140
−145
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
8
7
6
5
4
3
2
1
0

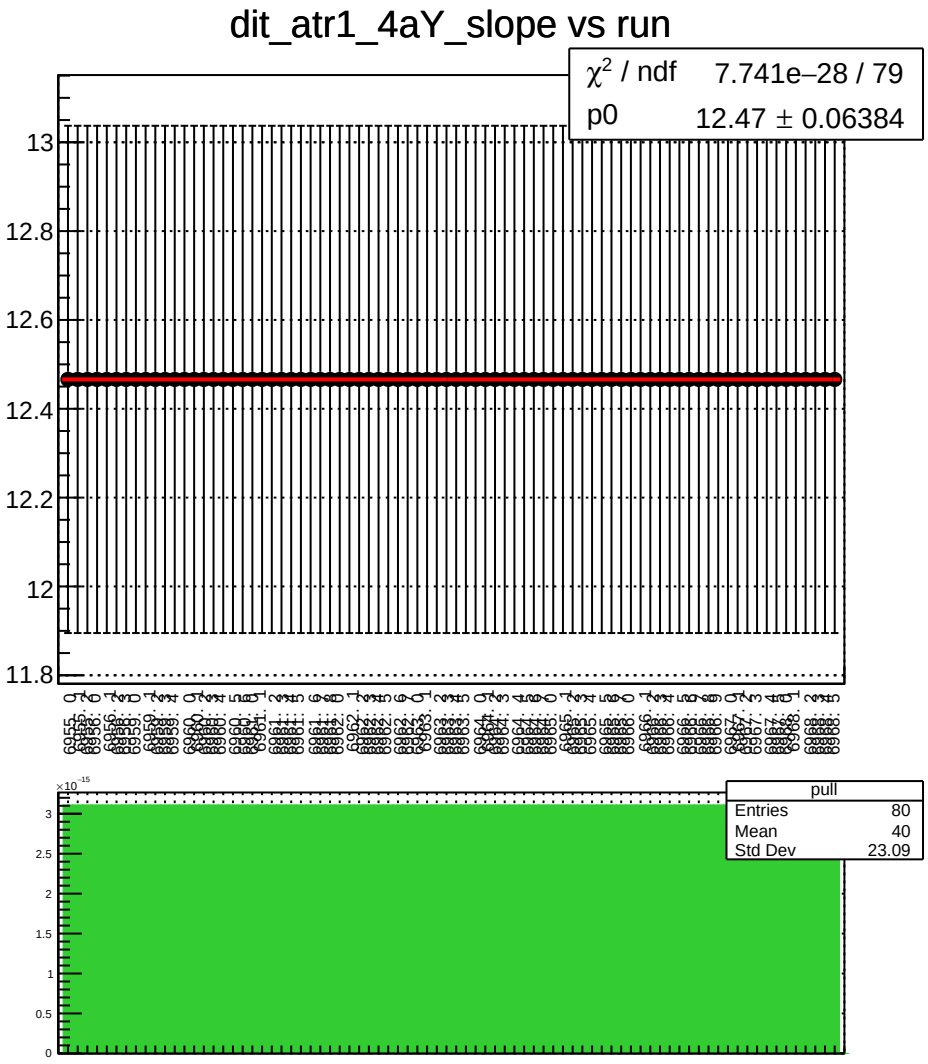

pull1D
Entries 80
Mean 7.739e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

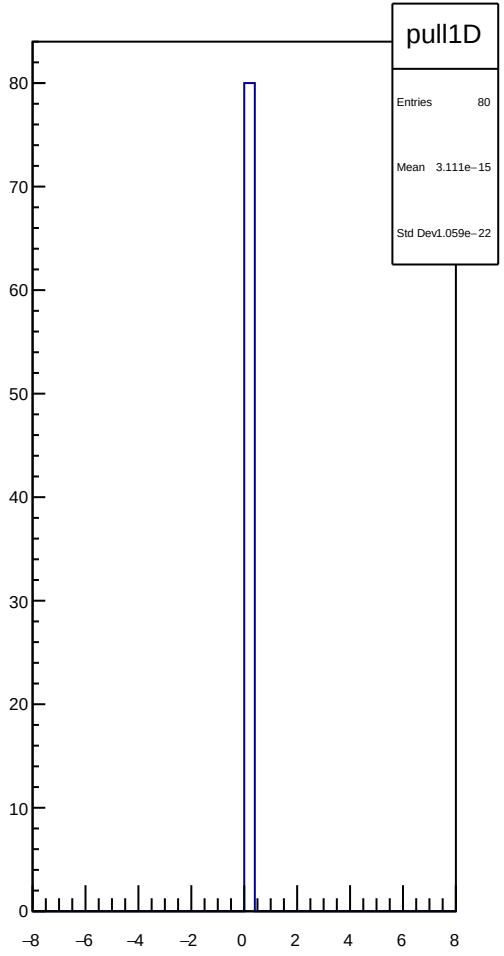

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.333e−28 / 79
p0 82.08 ± 1.231
95
90
85
80
75
70
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-15}$
1.2
1
0.8
0.6
0.4
0.2
0

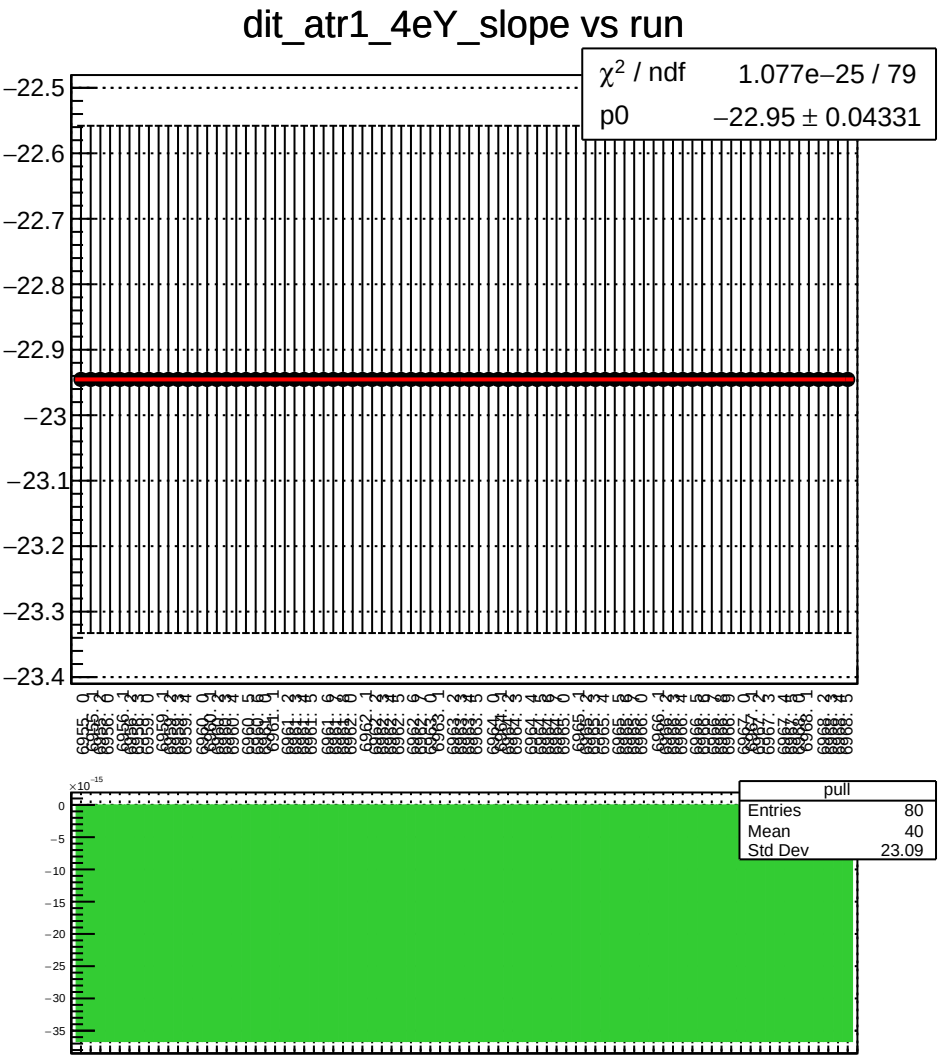

pull1D
Entries 80
Mean 1.291e−15
Std Dev 8.37e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

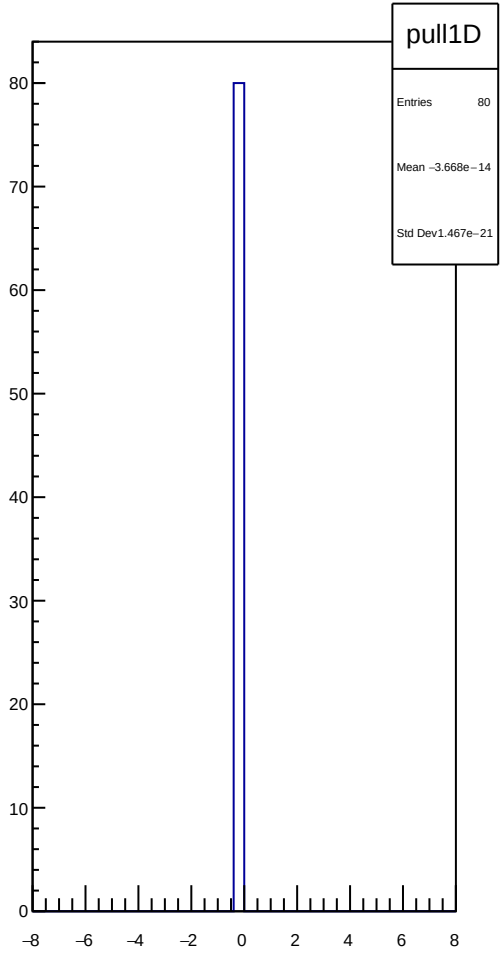

dit_atr1_11X12X_slope vs run
χ^2 / ndf 2.576e−25 / 79
p0 −17.61 ± 0.077
−16.8
−17
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
50
40
30
20
10
0

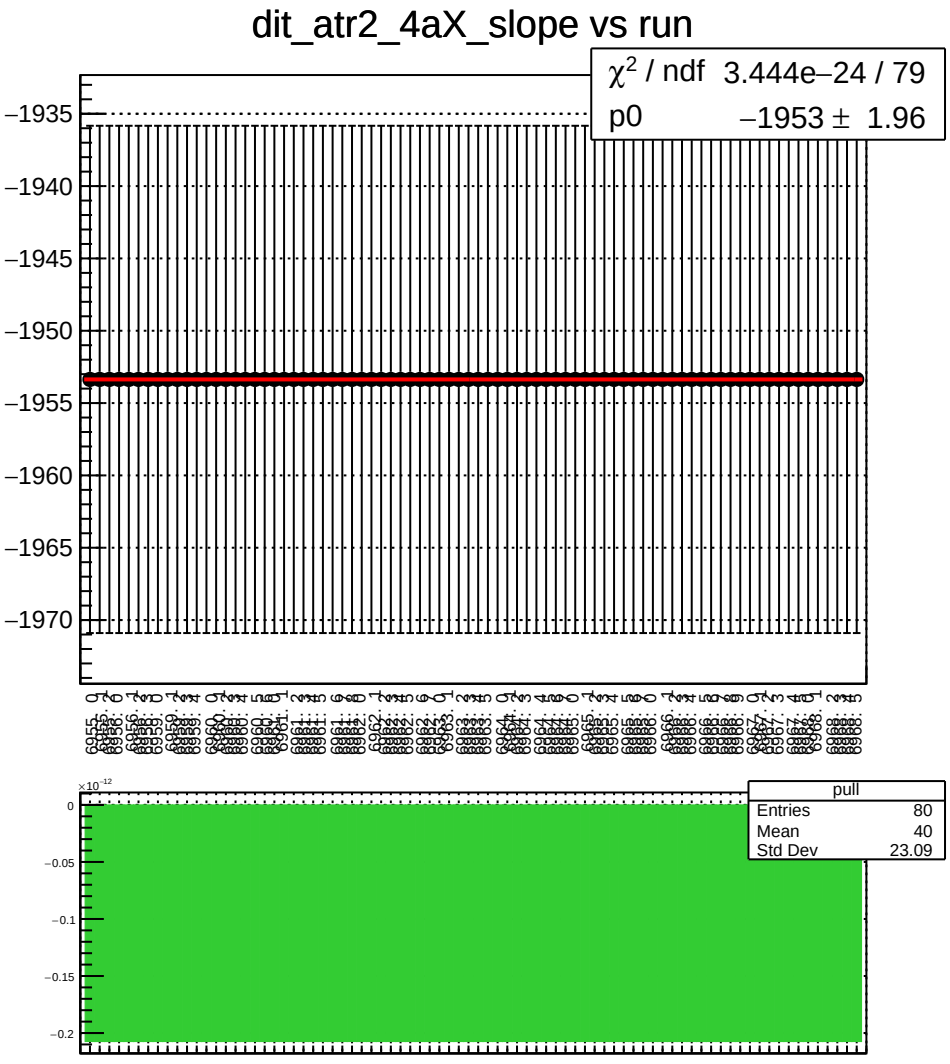

pull1D
Entries 80
Mean 5.674e−14
Std Dev 2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

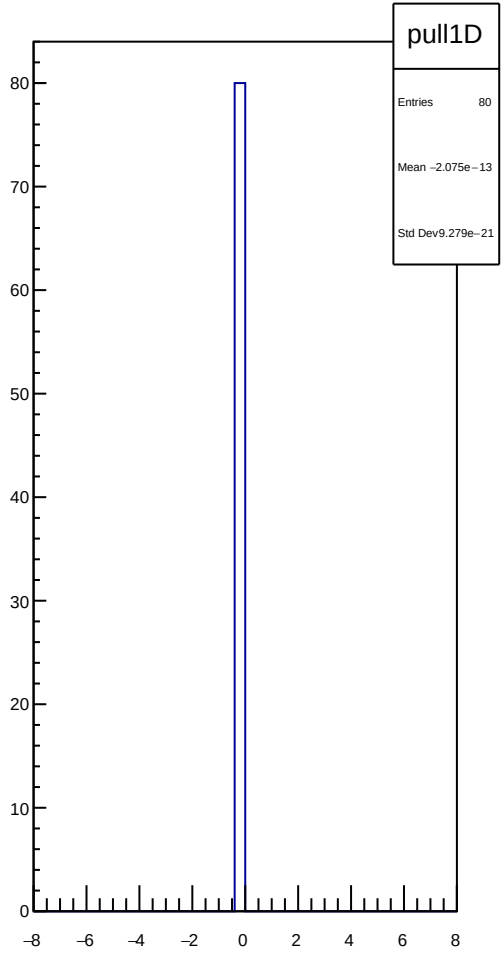

dit_atr1_4aY_slope vs run
χ² / ndf 7.741e−28 / 79
p0 12.47 ± 0.06384
13
12.8
12.6
12.4
12.2
12
11.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0

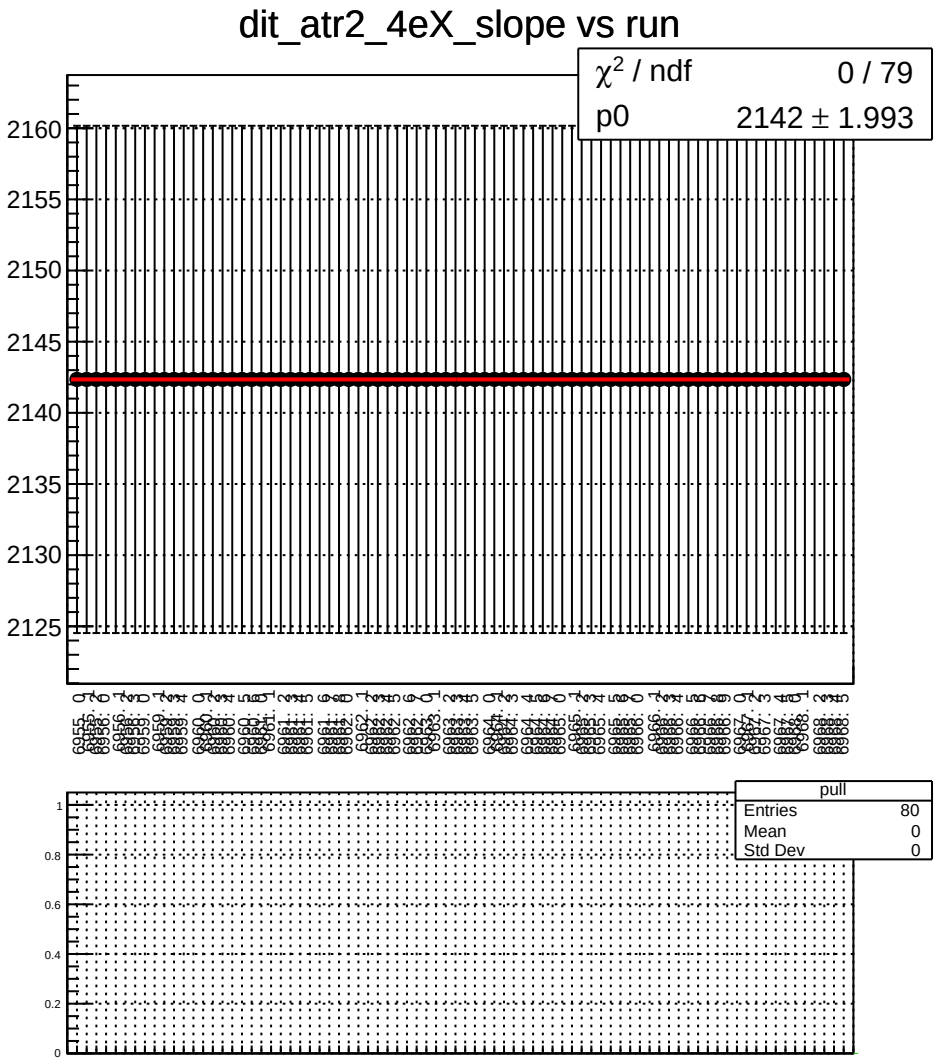

pull1D
Entries 80
Mean 3.111e−15
Std Dev 1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

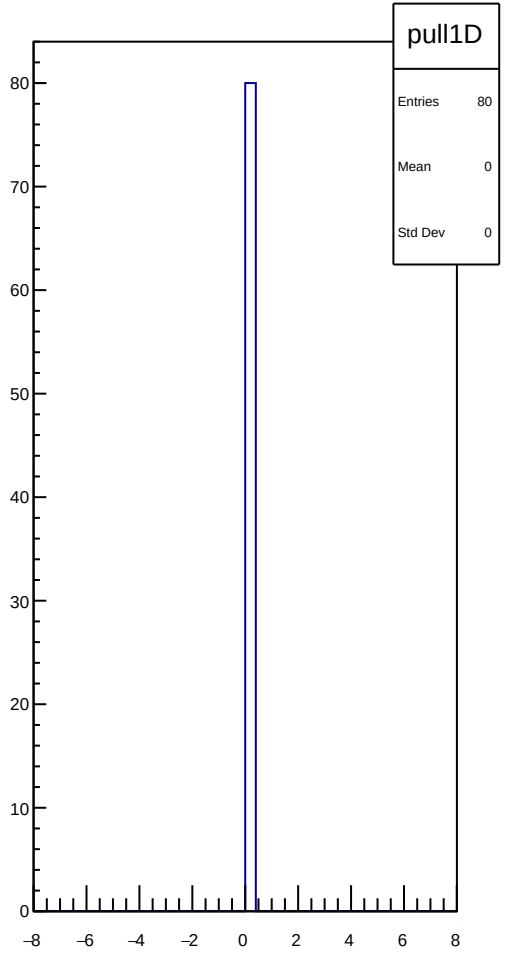

dit_atr1_4eY_slope vs run
χ² / ndf 1.077e−25 / 79
p0 −22.95 ± 0.04331
pull
Entries 80
Mean 40
Std Dev 23.09

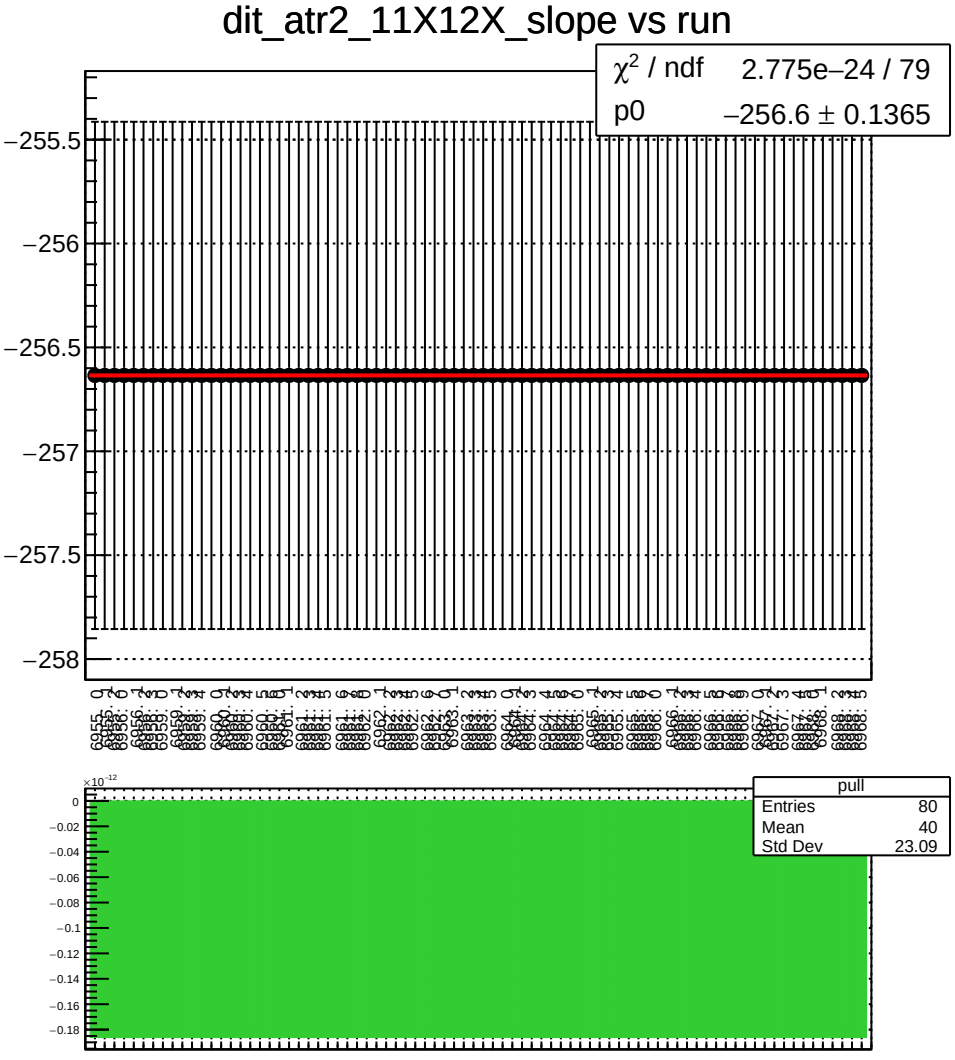

pull1D
Entries 80
Mean −3.668e−14
Std Dev1.467e−21

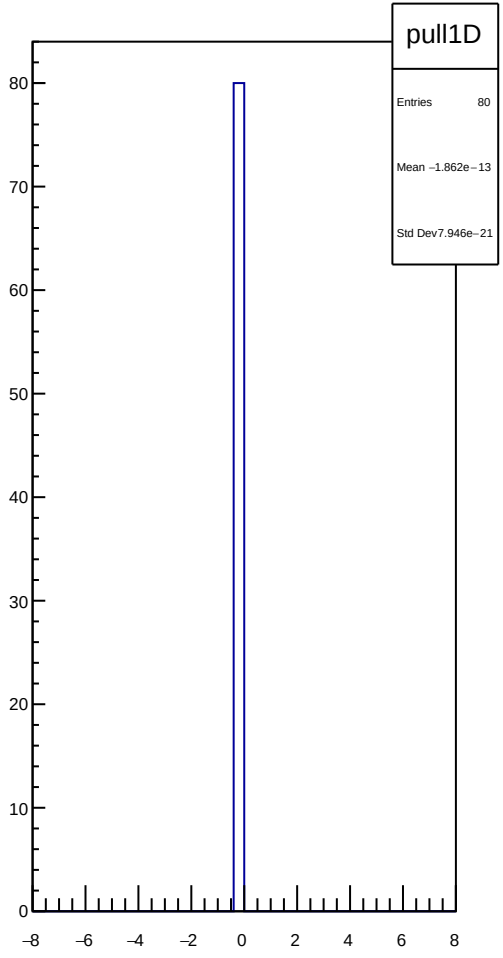

dit_atr2_4aX_slope vs run
χ² / ndf 3.444e−24 / 79
p0 −1953 ± 1.96
−1935
−1940
−1945
−1950
−1955
−1960
−1965
−1970
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

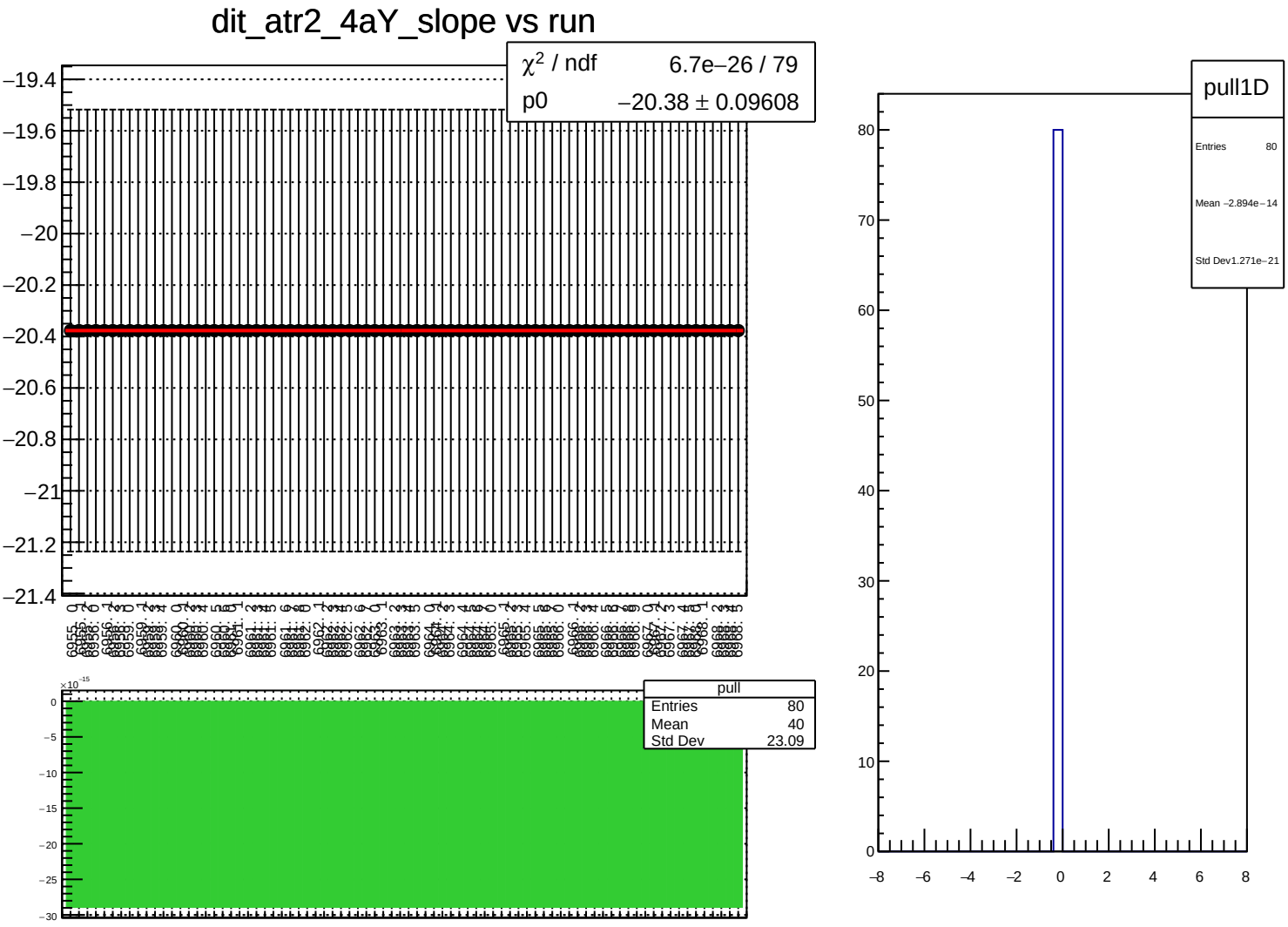

pull1D
Entries 80
Mean −2.075e−13
Std Dev 9.279e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

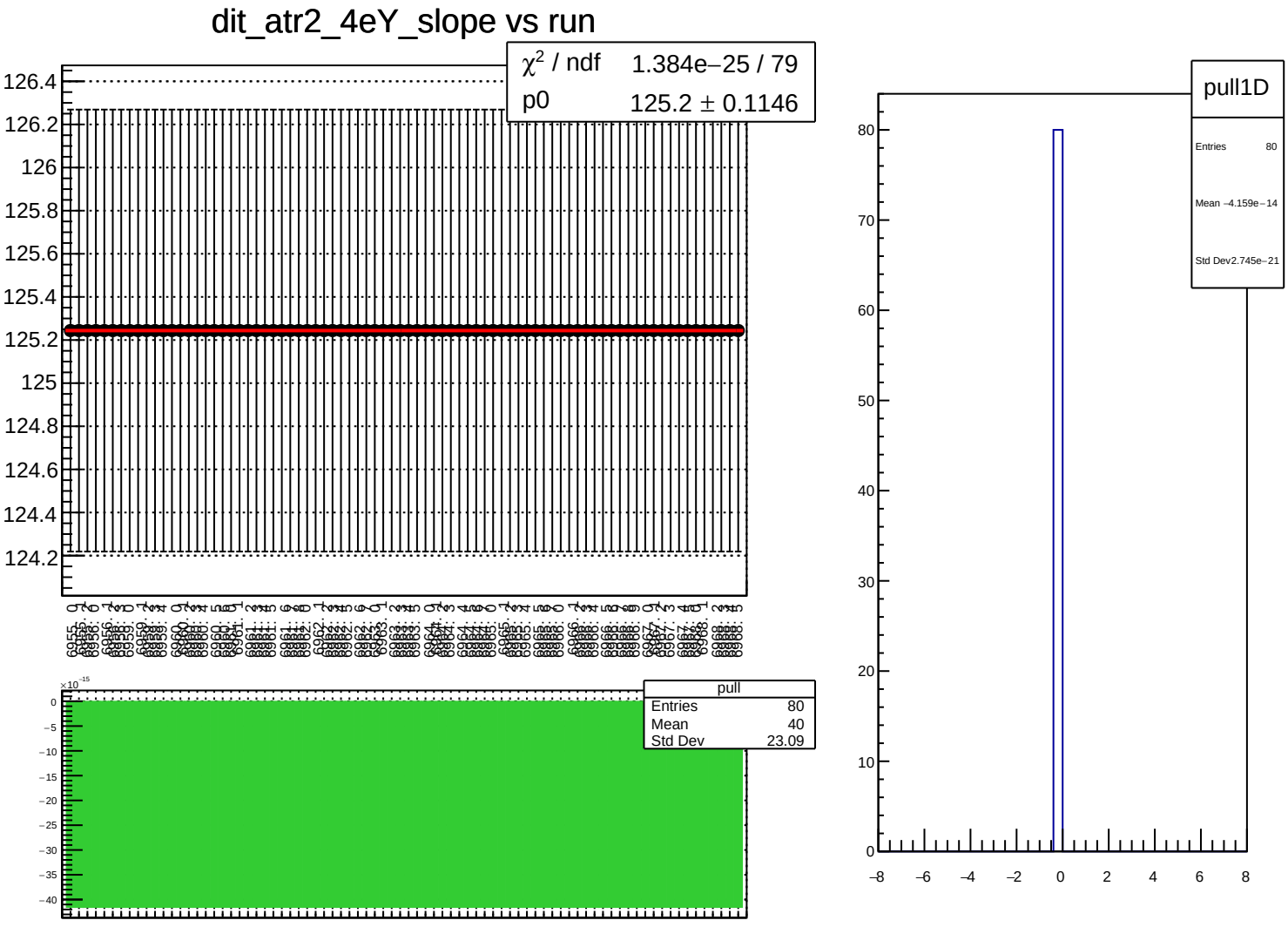

dit_atr2_4eX_slope vs run
χ² / ndf 0 / 79
p0 2142 ± 1.993
2160
2155
2150
2145
2140
2135
2130
2125
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

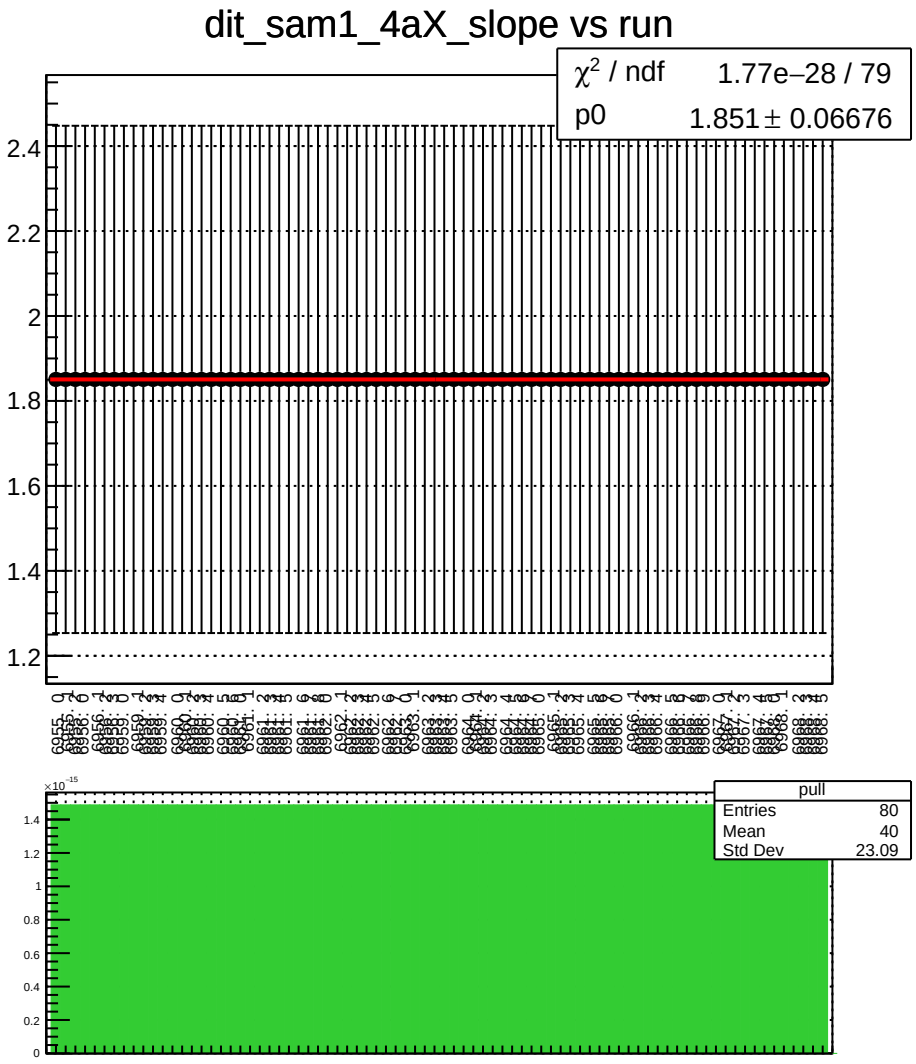

pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

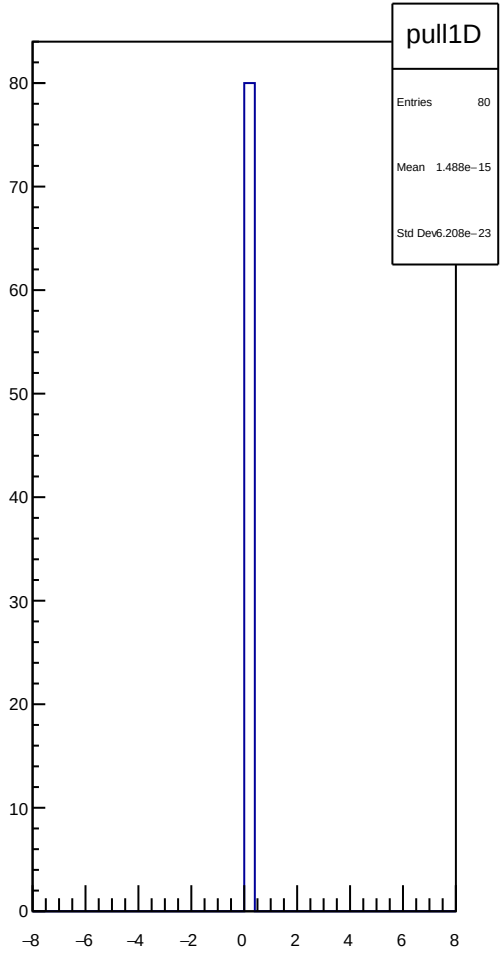

dit_atr2_11X12X_slope vs run
χ^2 / ndf 2.775e−24 / 79
p0 −256.6 ± 0.1365
−255.5
−256
−256.5
−257
−257.5
−258
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

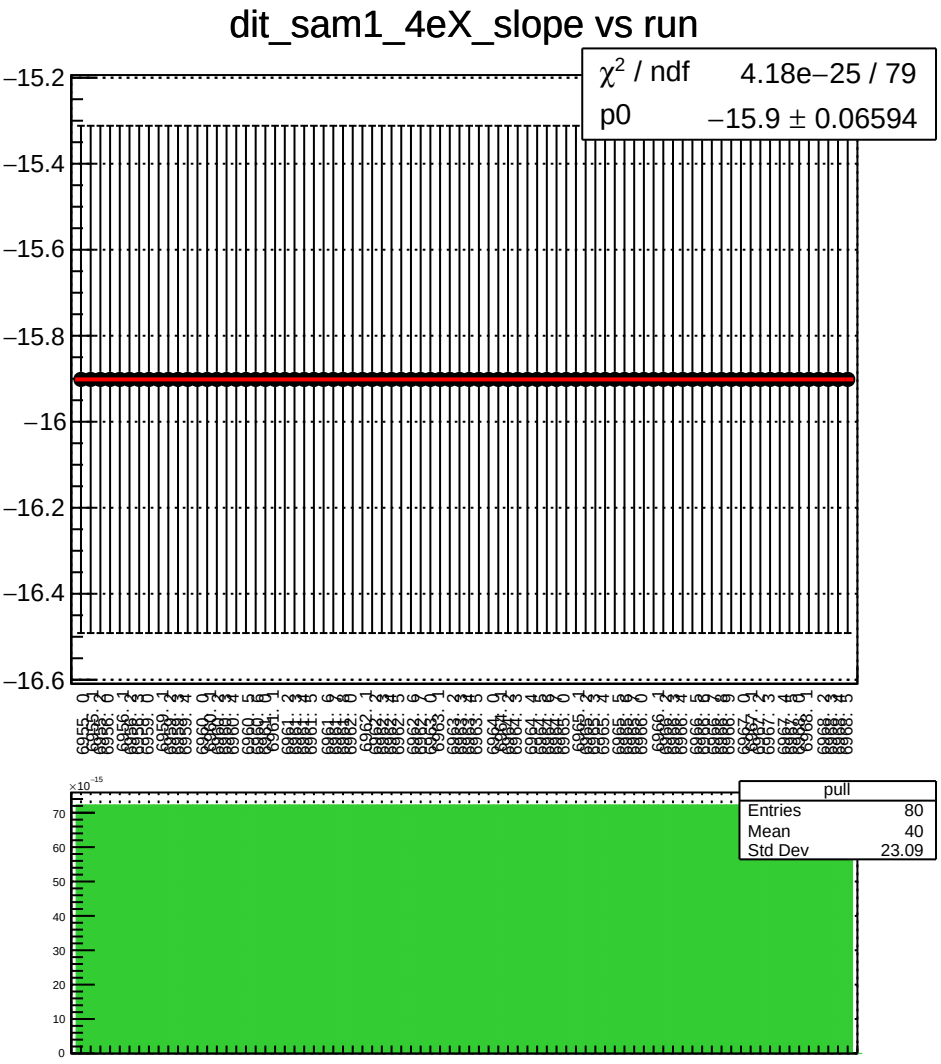

pull1D
Entries 80
Mean −1.862e−13
Std Dev 7.946e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

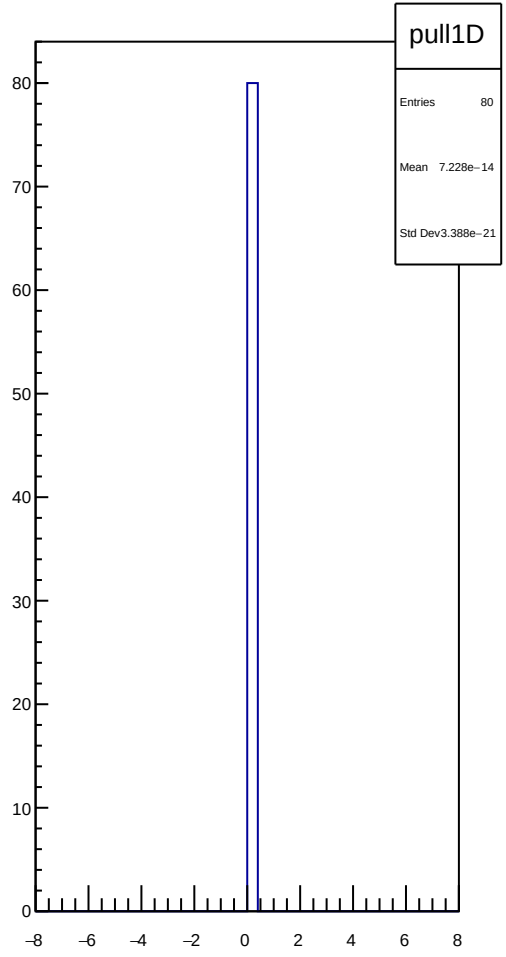

dit_atr2_4aY_slope vs run
χ² / ndf 6.7e−26 / 79
p0 −20.38 ± 0.09608
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.894e−14
Std Dev1.271e−21


dit_atr2_4eY_slope vs run
χ^2 / ndf 1.384e−25 / 79
p0 125.2 ± 0.1146
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −4.159e−14
Std Dev2.745e−21

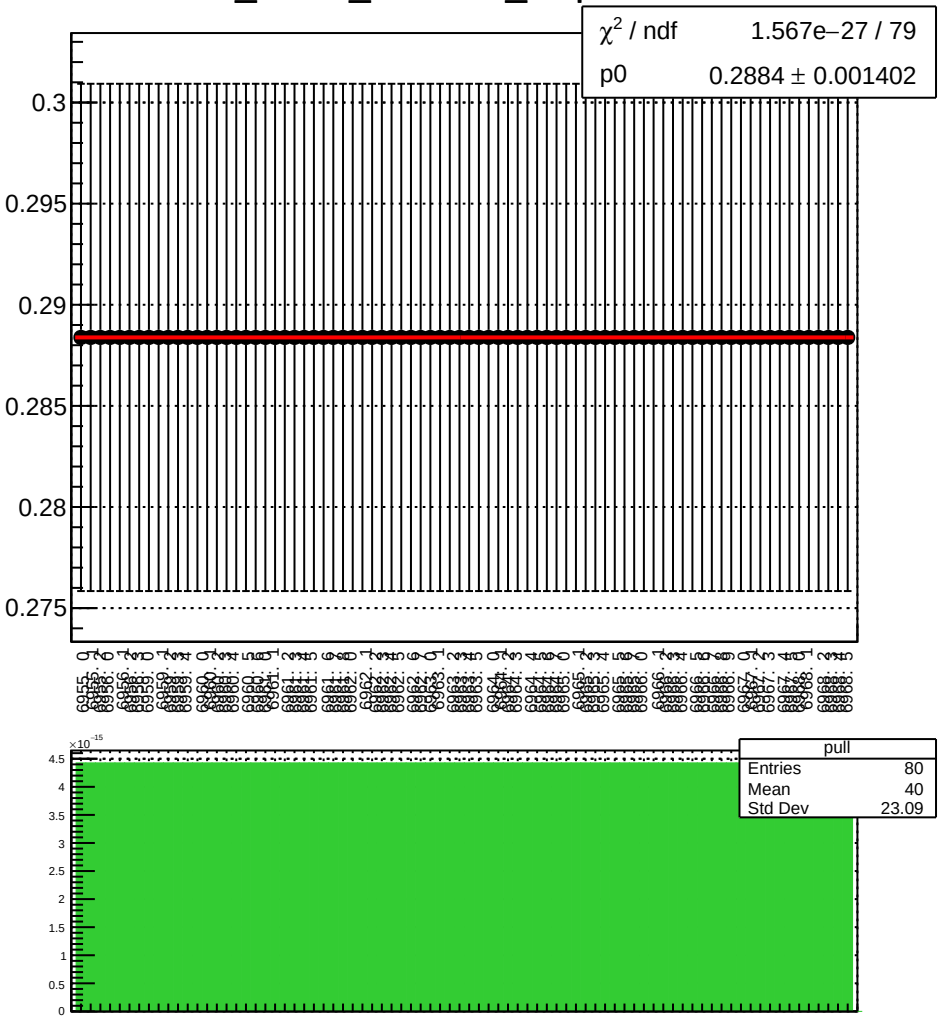

dit_sam1_4aX_slope vs run
χ^2 / ndf 1.77e−28 / 79
p0 1.851 ± 0.06676
pull
Entries 80
Mean 40
Std Dev 23.09

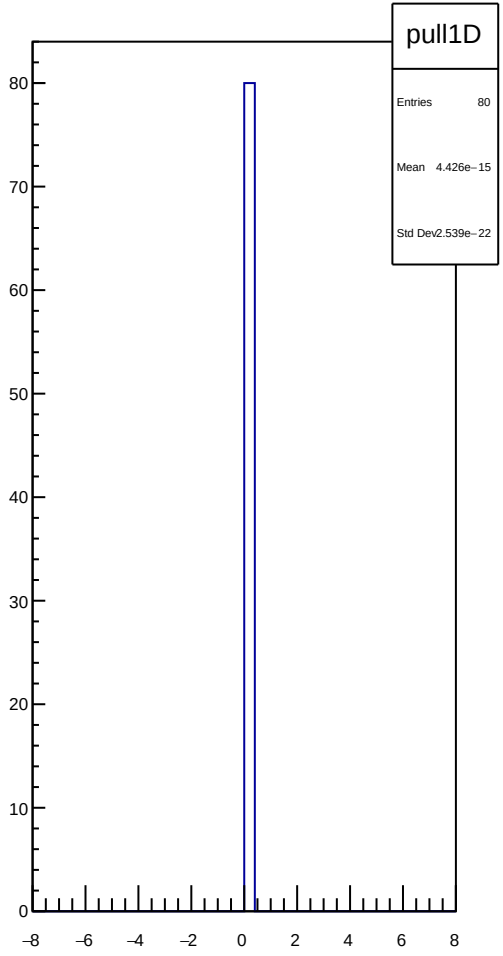

pull1D
Entries 80
Mean 1.488e−15
Std Dev 6.208e−23

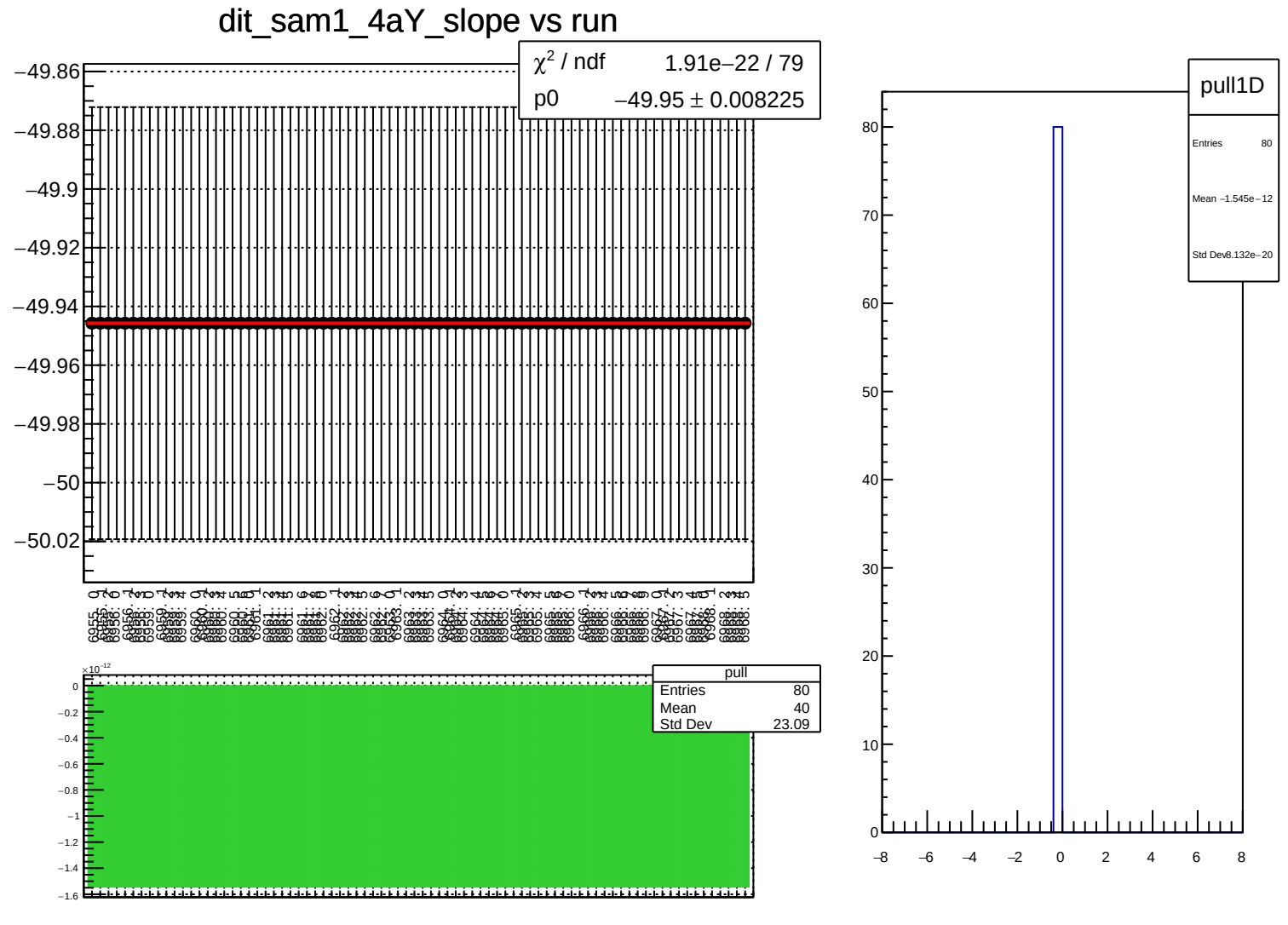

dit_sam1_4eX_slope vs run
χ^2 / ndf 4.18e−25 / 79
p0 −15.9 ± 0.06594
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
70
60
50
40
30
20
10
0

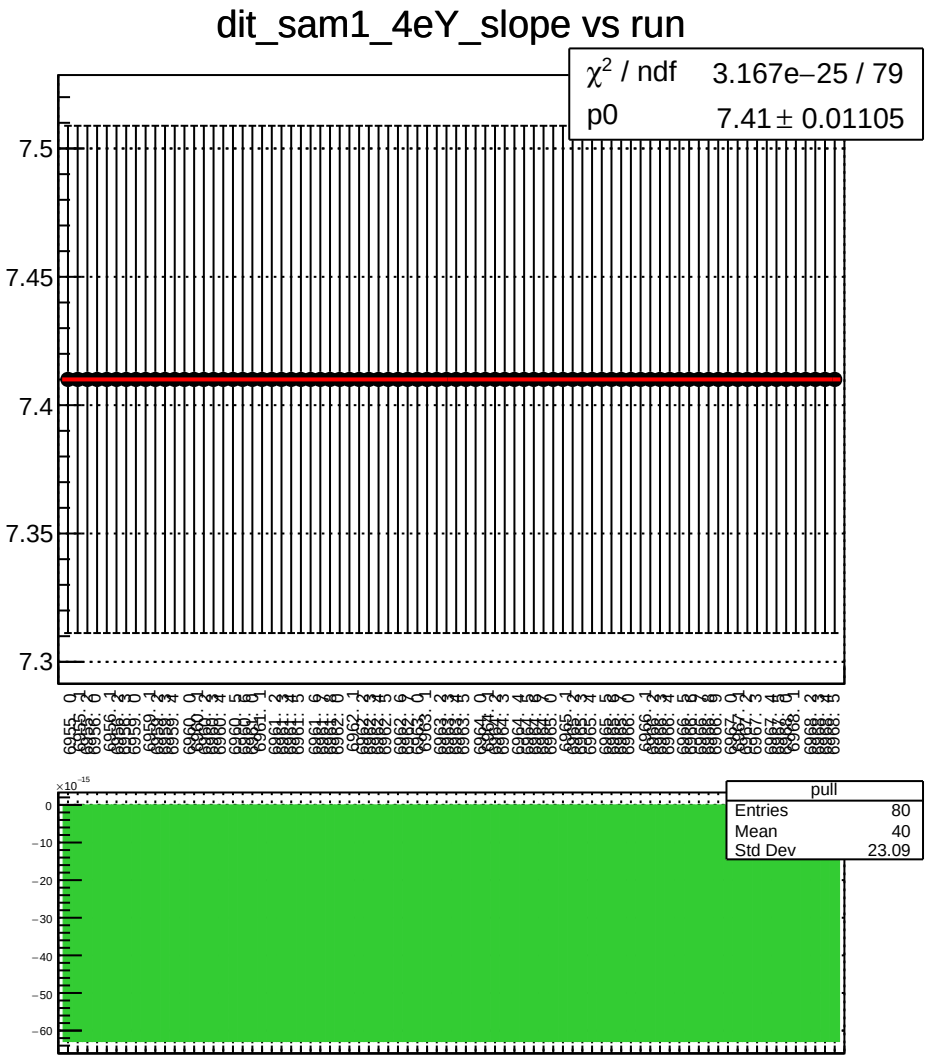

pull1D
Entries 80
Mean 7.228e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

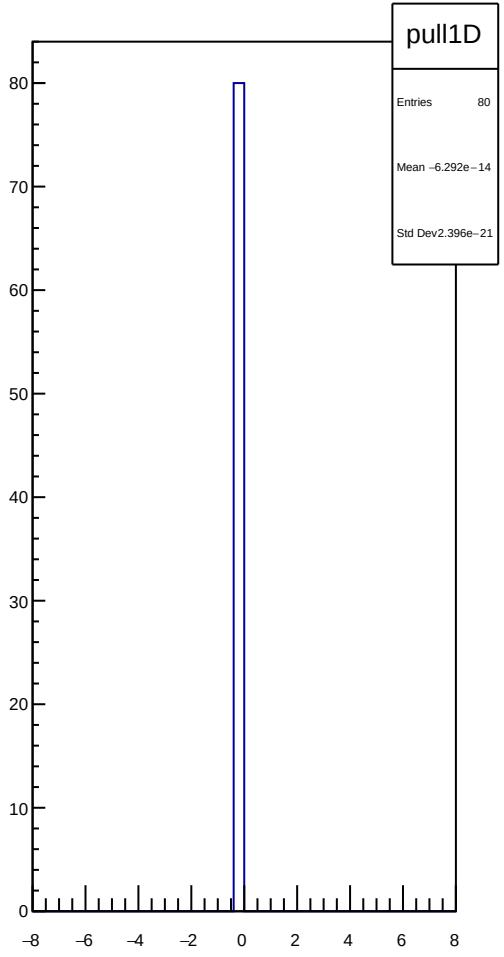
dit_sam1_11X12X_slope vs run



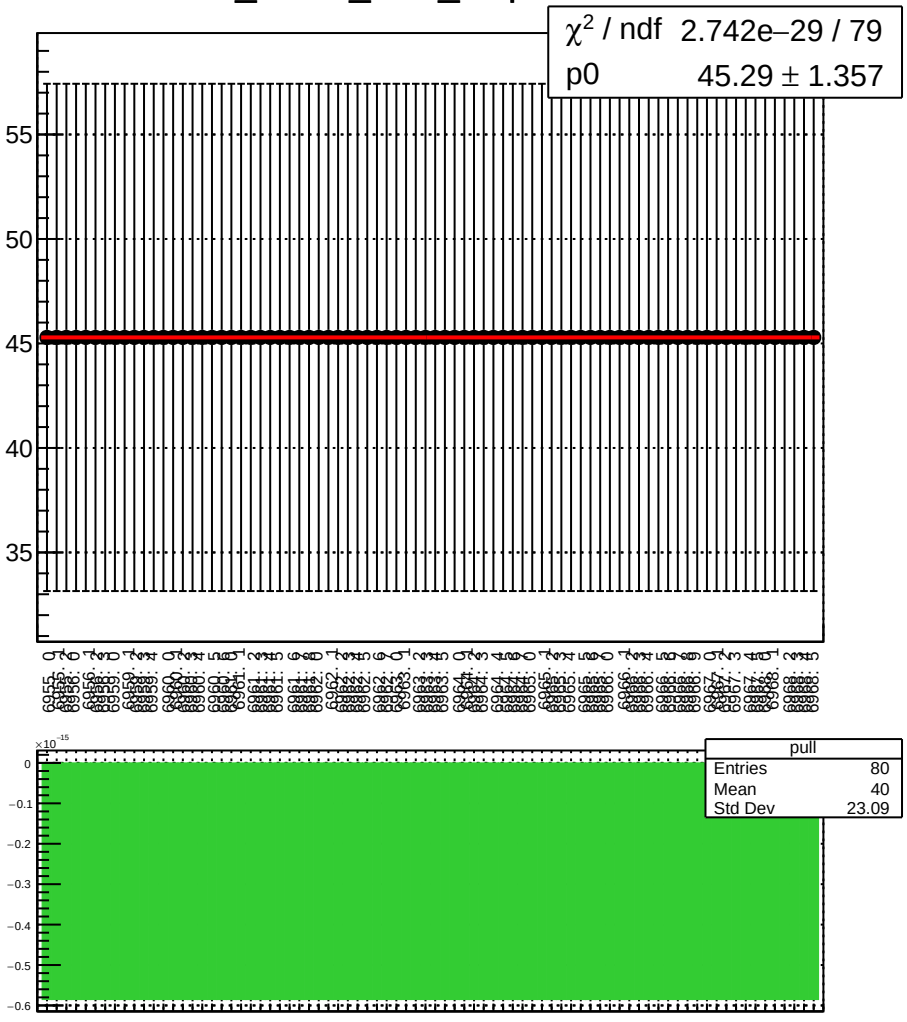


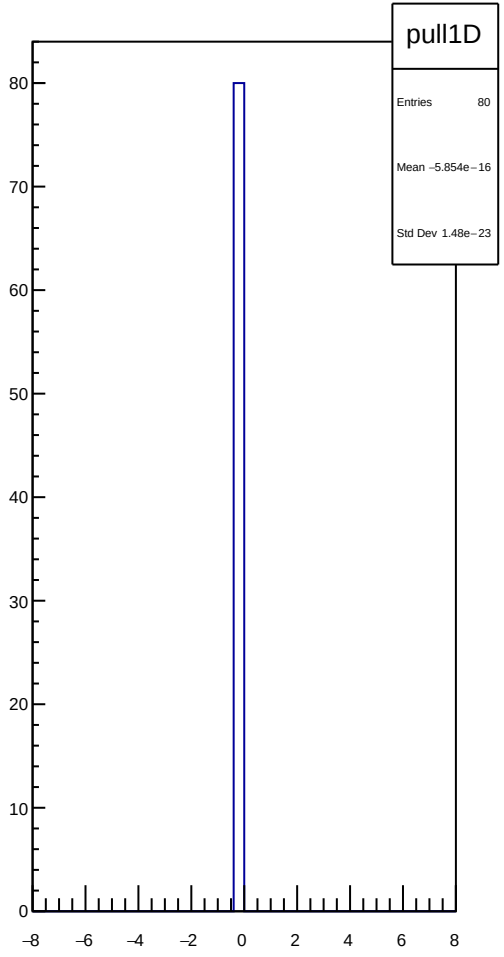

dit_sam1_4aY_slope vs run
χ² / ndf 1.91e−22 / 79
p0 −49.95 ± 0.008225
−49.86
−49.88
−49.9
−49.92
−49.94
−49.96
−49.98
−50
−50.02
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 80
Mean −1.545e−12
Std Dev 8.132e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

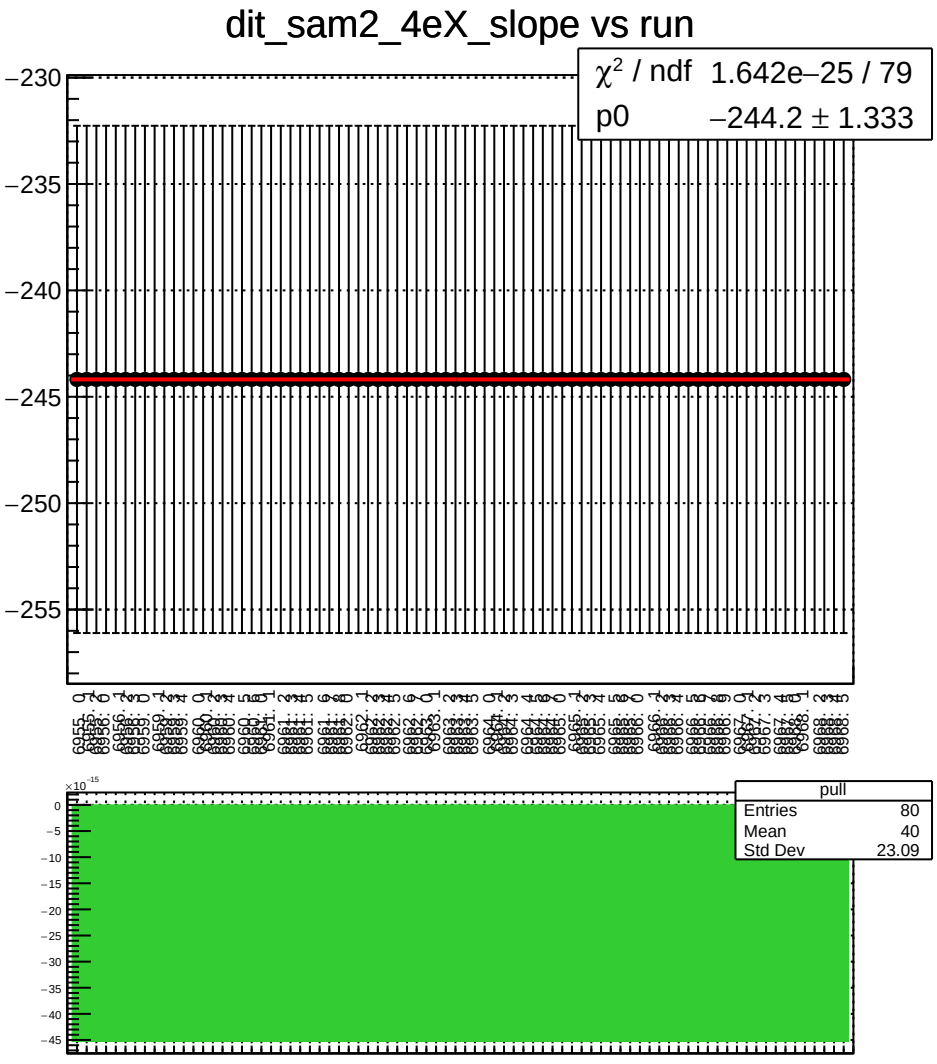

dit_sam1_4eY_slope vs run
χ^2 / ndf 3.167e−25 / 79
p0 7.41 ± 0.01105
7.5
7.45
7.4
7.35
7.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50
−60

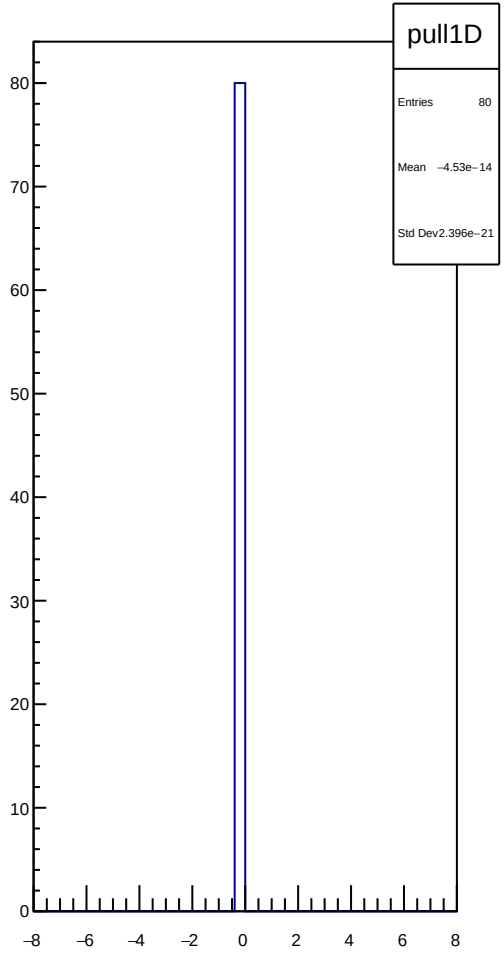

pull1D
Entries 80
Mean −6.292e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run

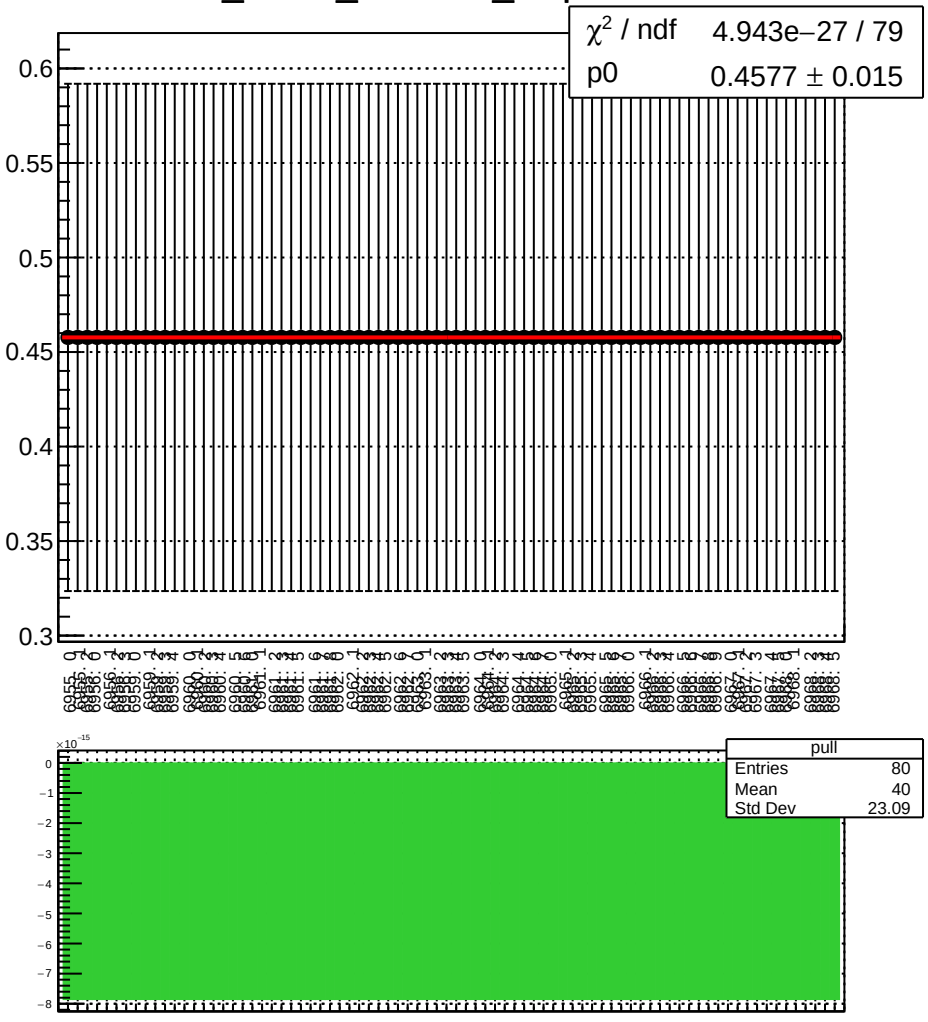


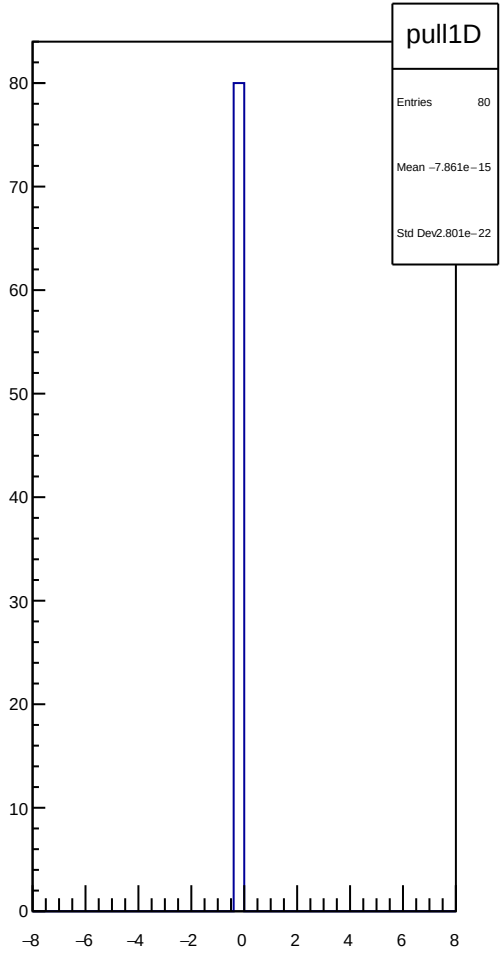


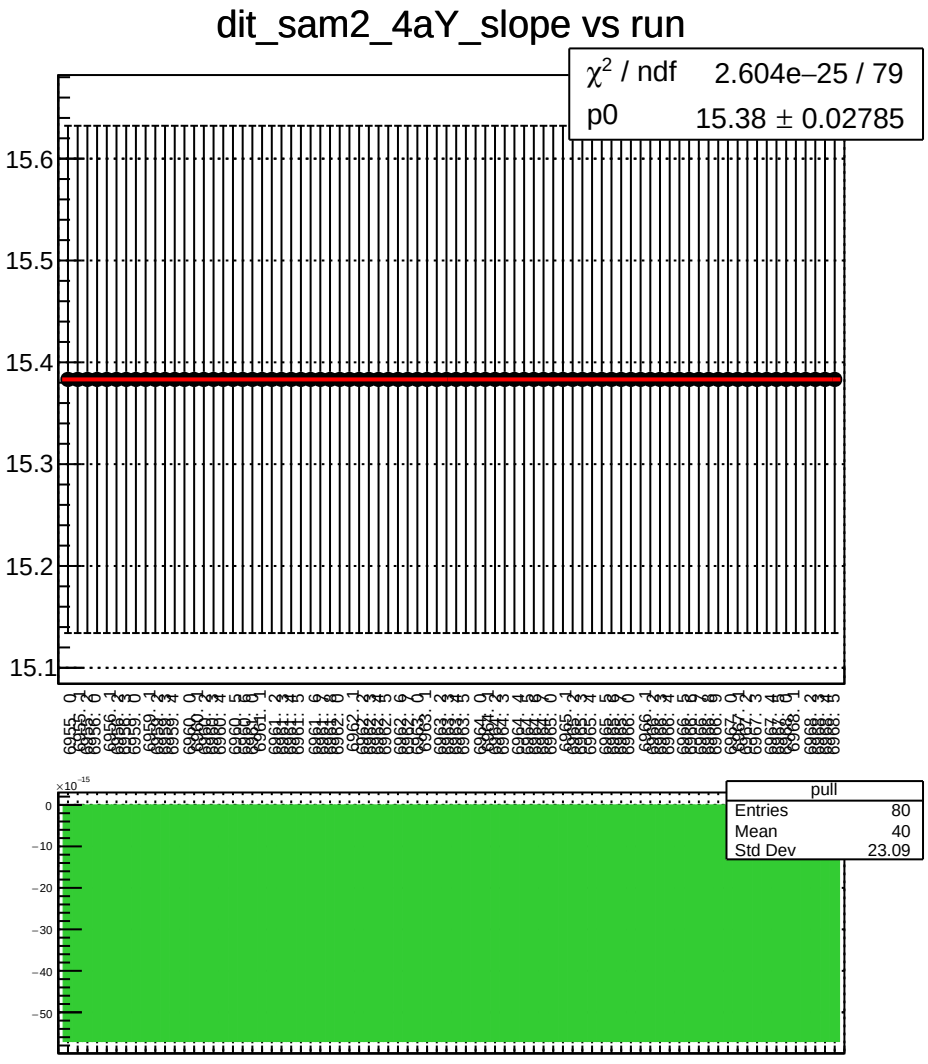

dit_sam2_4eX_slope vs run
χ² / ndf 1.642e−25 / 79
p0 −244.2 ± 1.333
pull
Entries 80
Mean 40
Std Dev 23.09

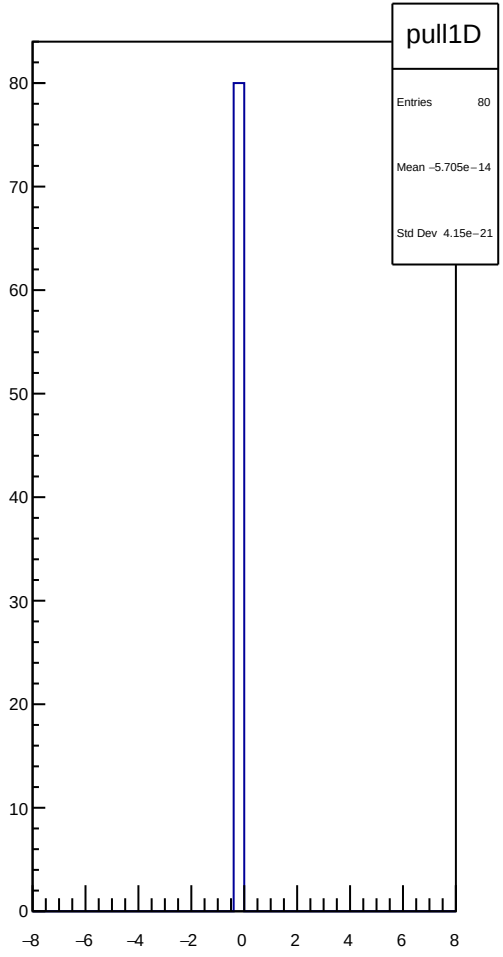

pull1D
Entries 80
Mean −4.53e−14
Std Dev 2.396e−21

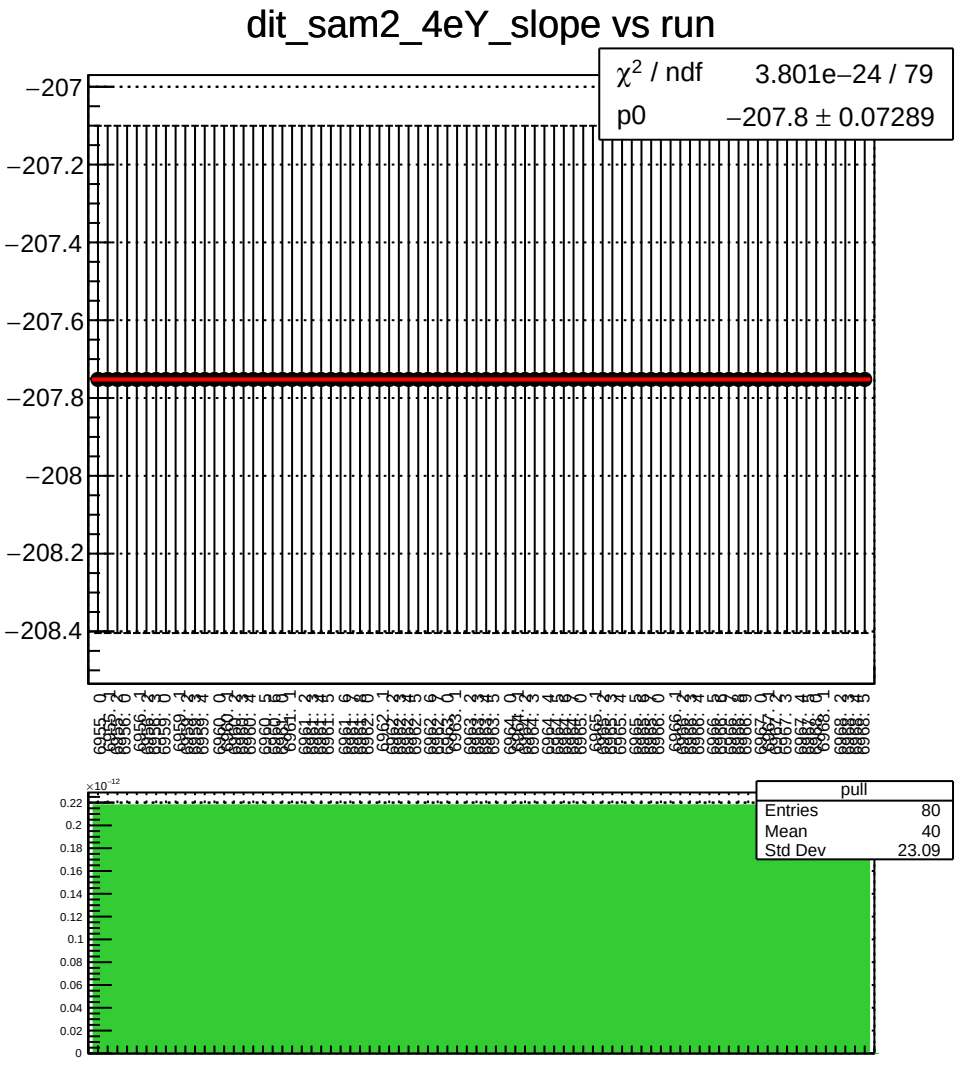
dit_sam2_11X12X_slope vs run

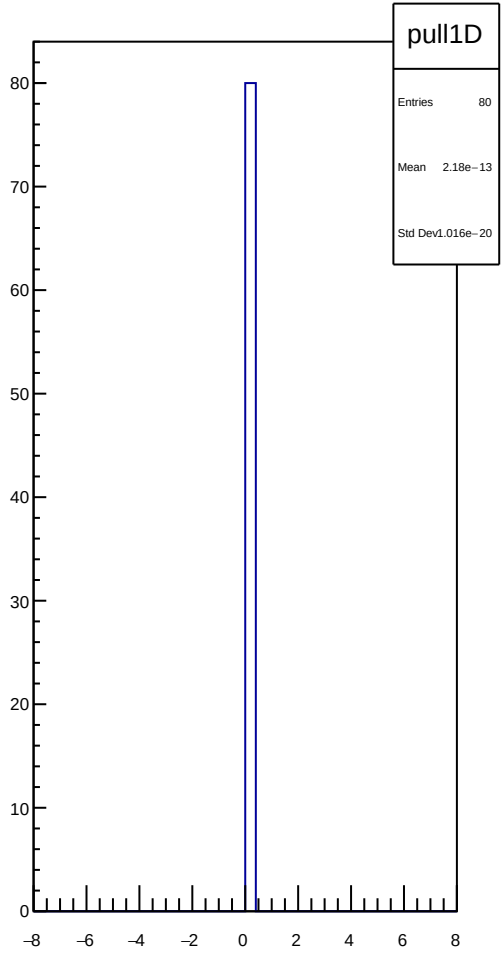


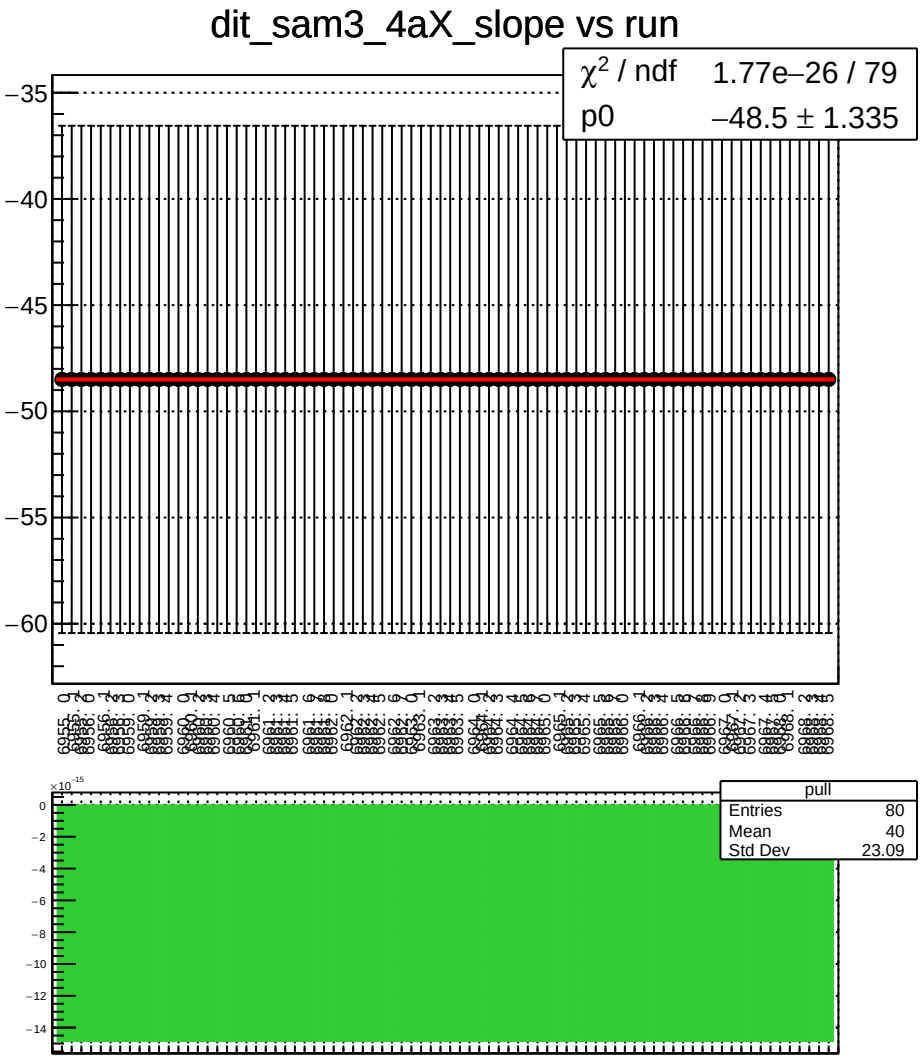


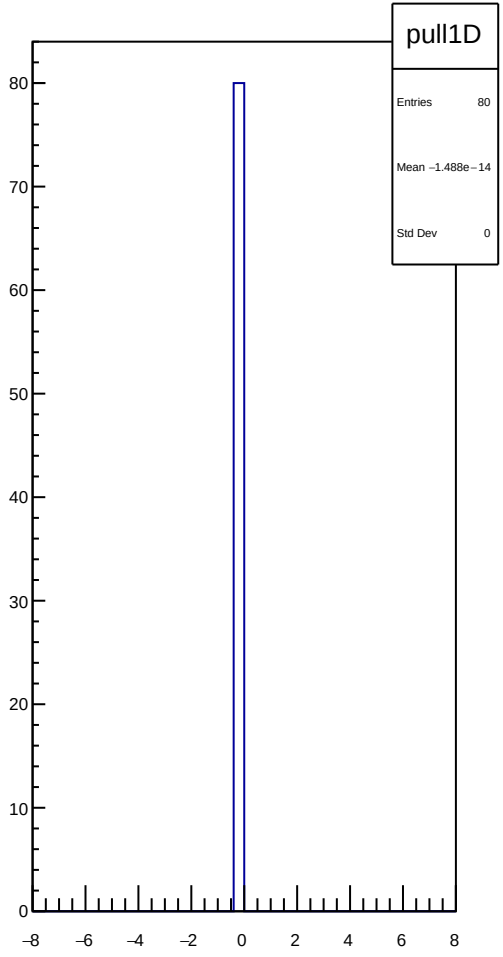

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.604e−25 / 79
p0 15.38 ± 0.02785
15.6
15.5
15.4
15.3
15.2
15.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−10
−20
−30
−40
−50

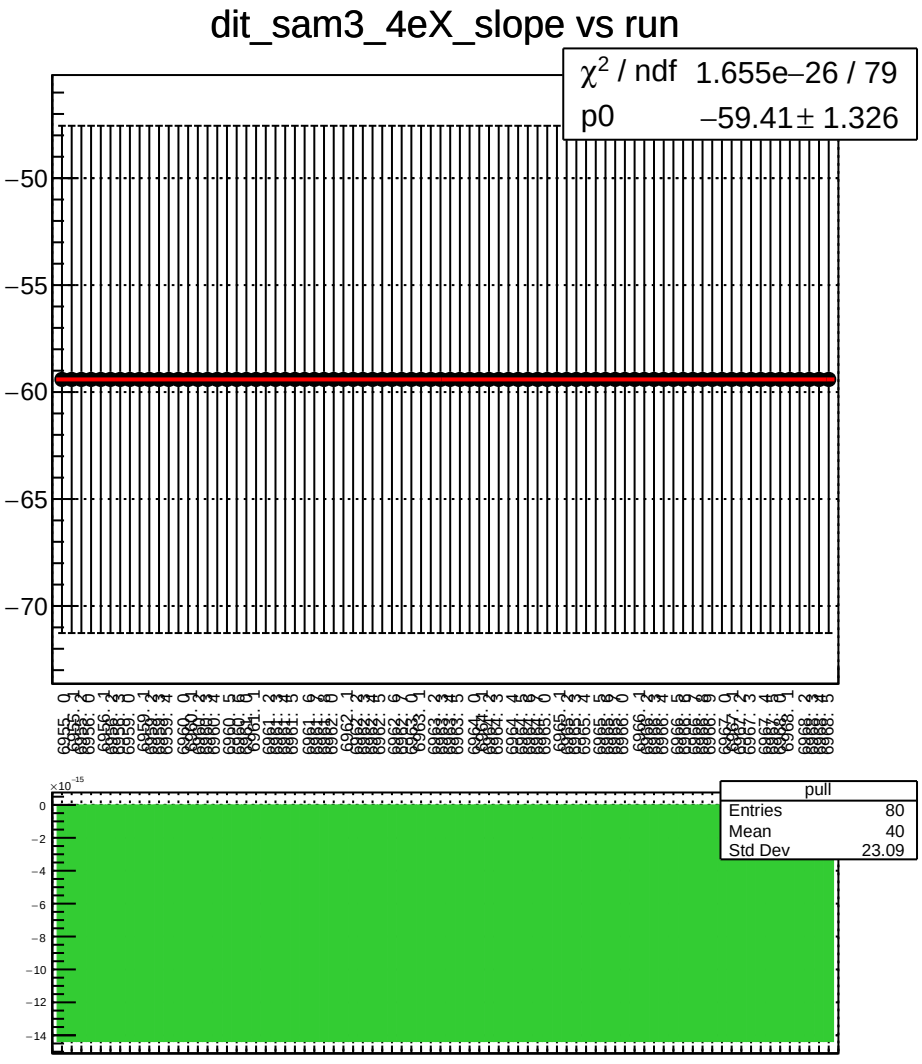

pull1D
Entries 80
Mean −5.705e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

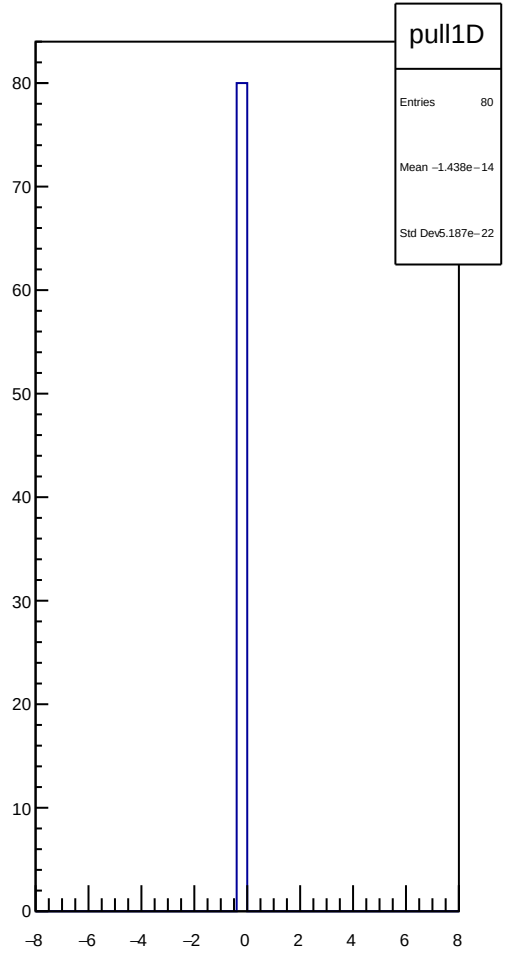

dit_sam2_4eY_slope vs run
χ² / ndf 3.801e−24 / 79
p0 −207.8 ± 0.07289
pull
Entries 80
Mean 40
Std Dev 23.09

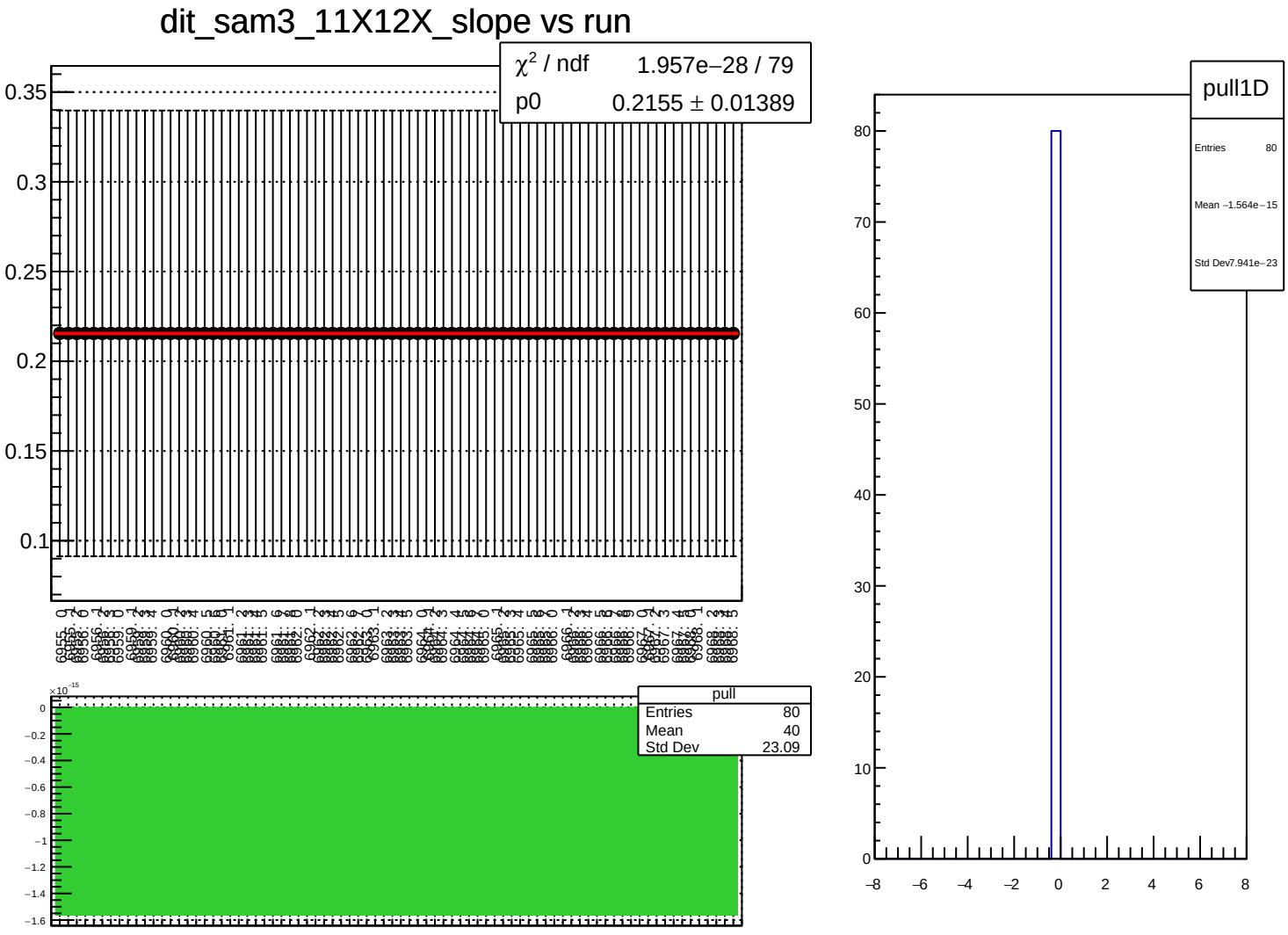

pull1D
Entries 80
Mean 2.18e−13
Std Dev 1.016e−20

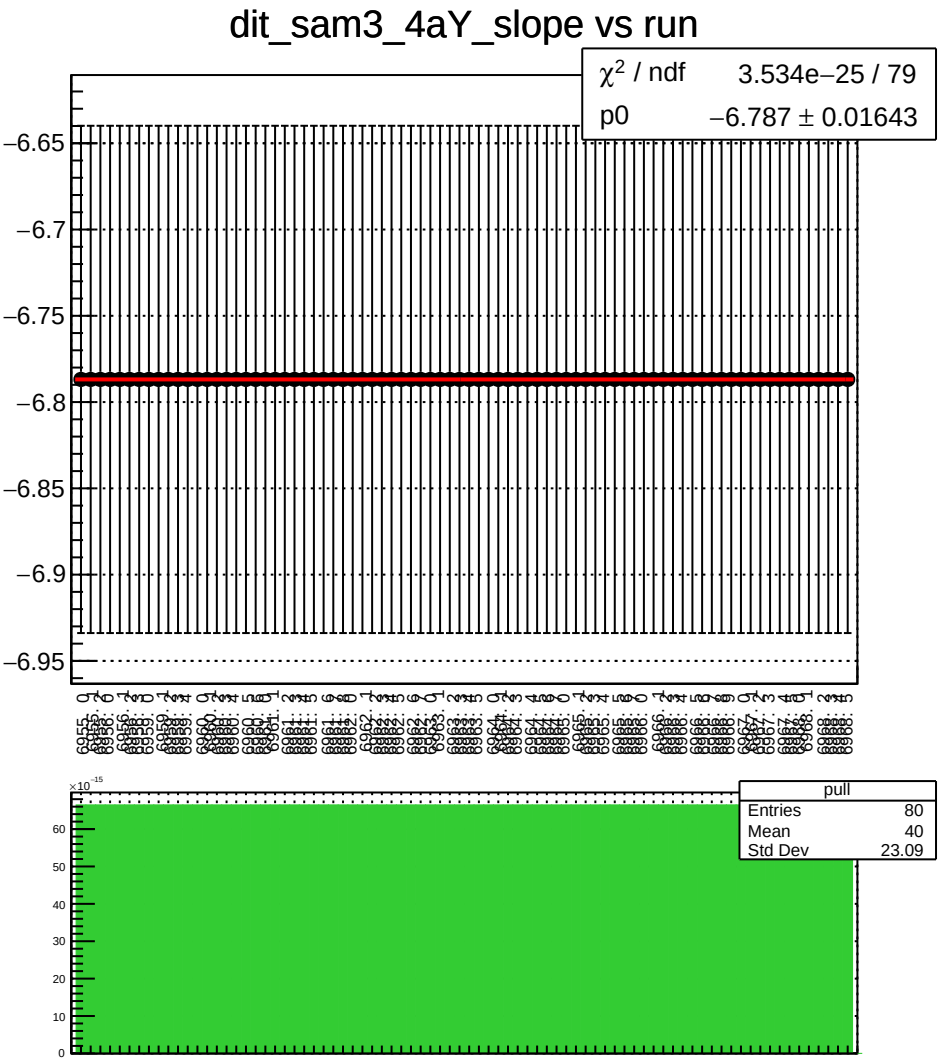

dit_sam3_4aX_slope vs run
χ² / ndf 1.77e−26 / 79
p0 −48.5 ± 1.335
pull
Entries 80
Mean 40
Std Dev 23.09

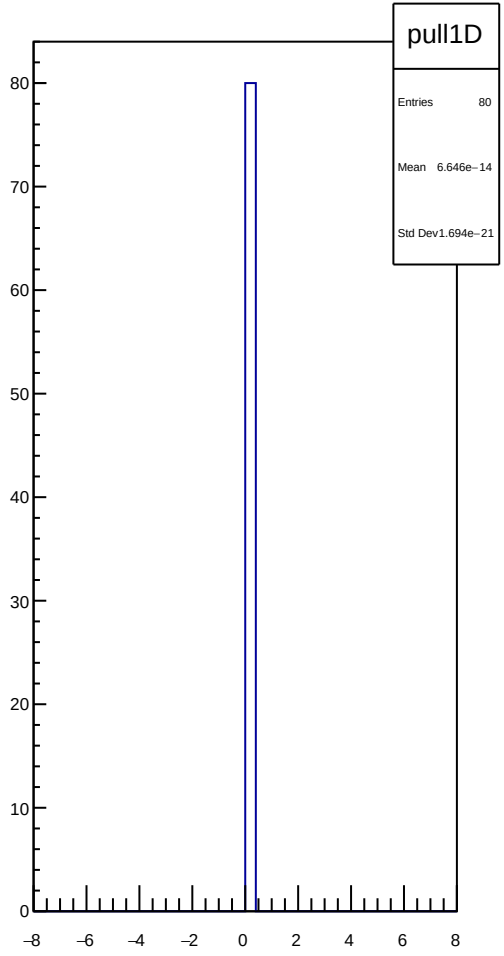

pull1D
Entries 80
Mean −1.488e−14
Std Dev 0

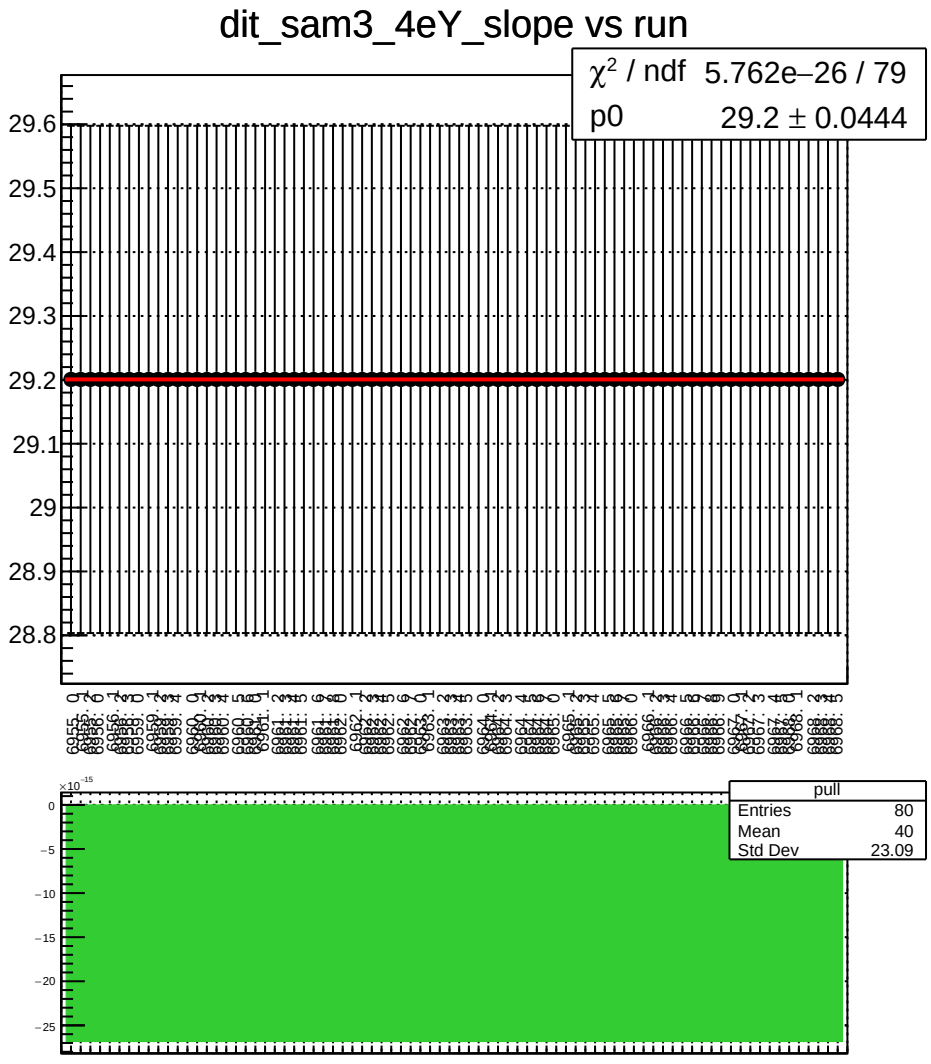

dit_sam3_4eX_slope vs run
χ² / ndf 1.655e−26 / 79
p0 −59.41 ± 1.326
−50
−55
−60
−65
−70
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

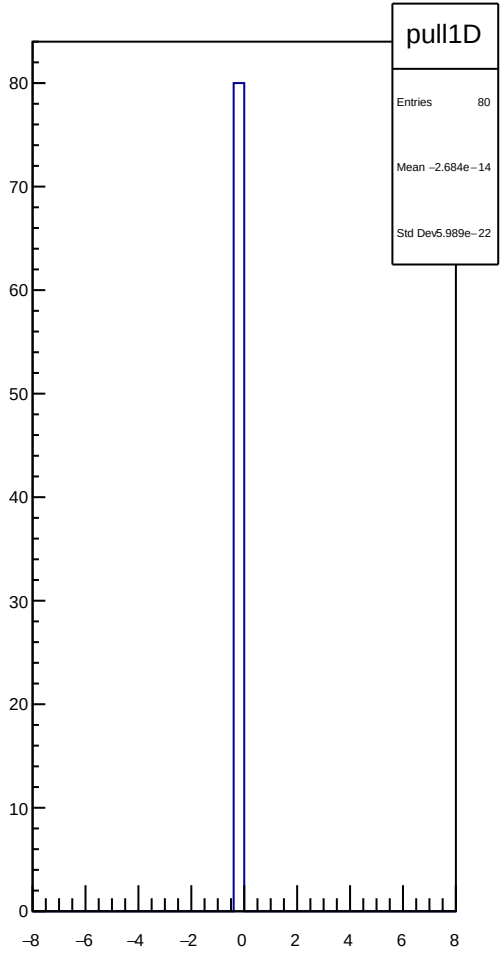

pull1D
Entries 80
Mean −1.438e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_11X12X_slope vs run
χ² / ndf 1.957e−28 / 79
p0 0.2155 ± 0.01389
0.35
0.3
0.25
0.2
0.15
0.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 80
Mean −1.564e−15
Std Dev7.941e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

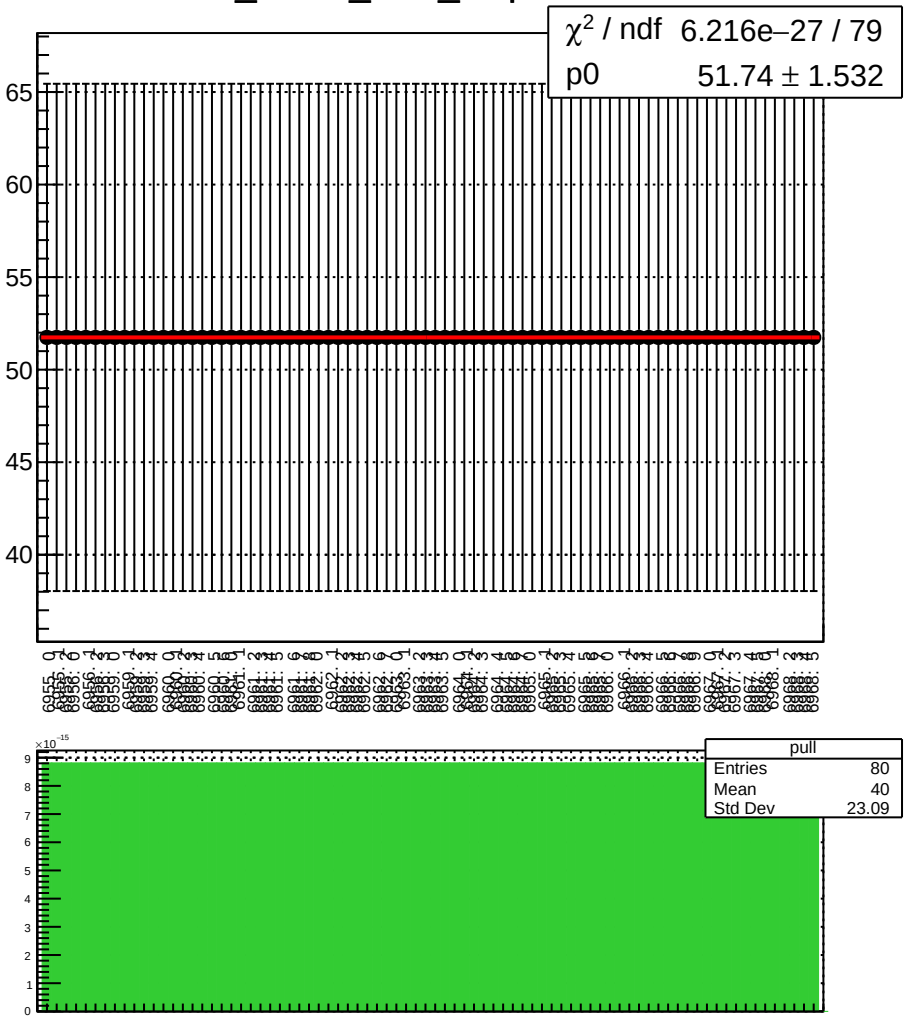

dit_sam3_4aY_slope vs run
χ² / ndf 3.534e−25 / 79
p0 −6.787 ± 0.01643
−6.65
−6.7
−6.75
−6.8
−6.85
−6.9
−6.95
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
60
50
40
30
20
10
0

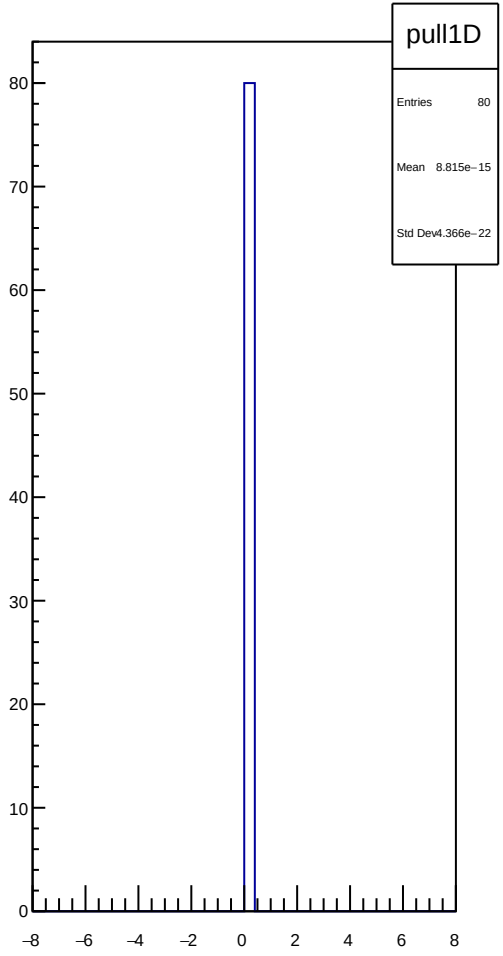

pull1D
Entries 80
Mean 6.646e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

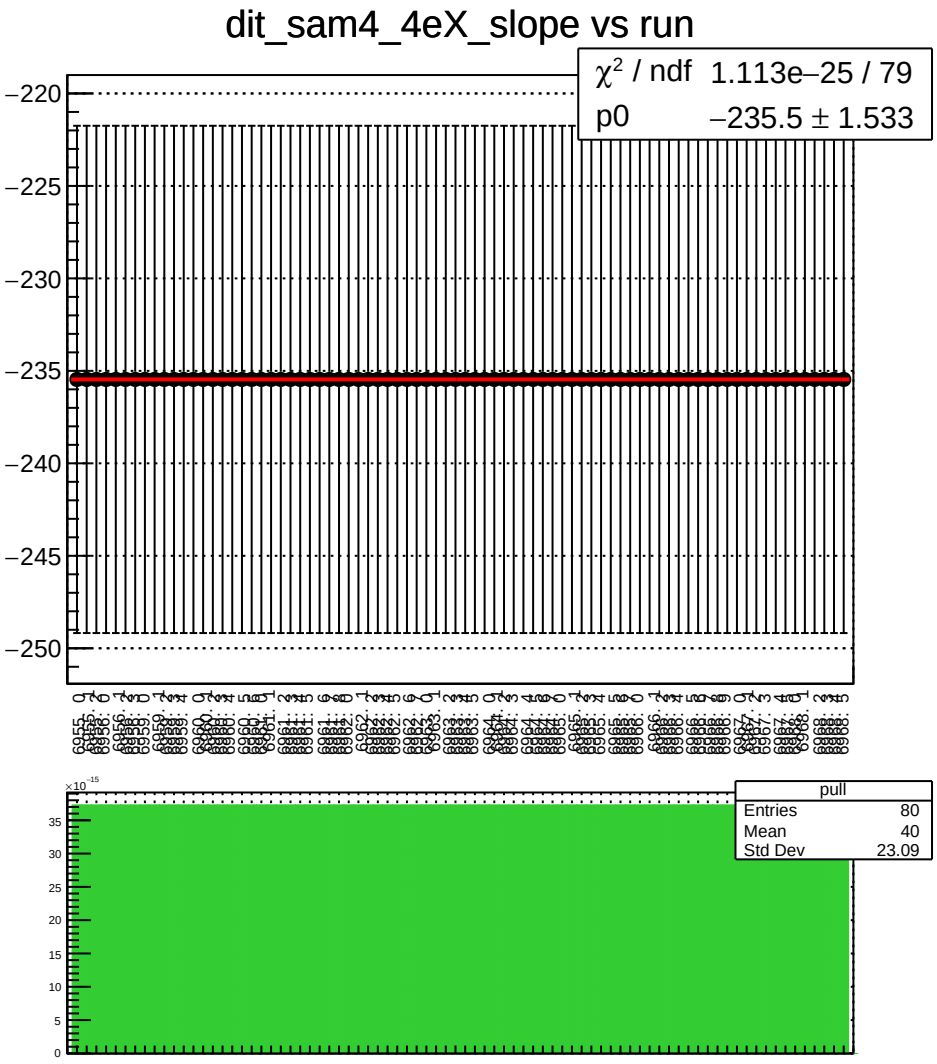

dit_sam3_4eY_slope vs run
χ^2 / ndf 5.762e−26 / 79
p0 29.2 ± 0.0444
29.6
29.5
29.4
29.3
29.2
29.1
29
28.9
28.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
0
−5
−10
−15
−20
−25

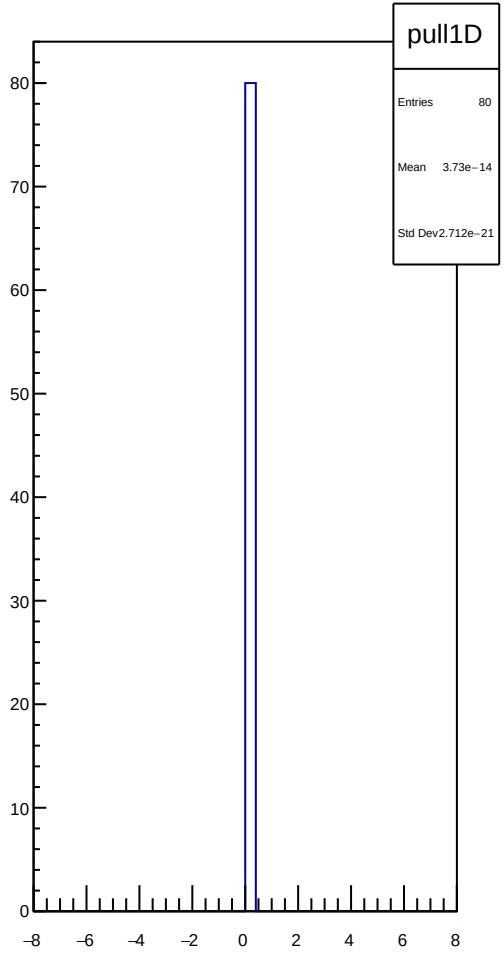

pull1D
Entries 80
Mean −2.684e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

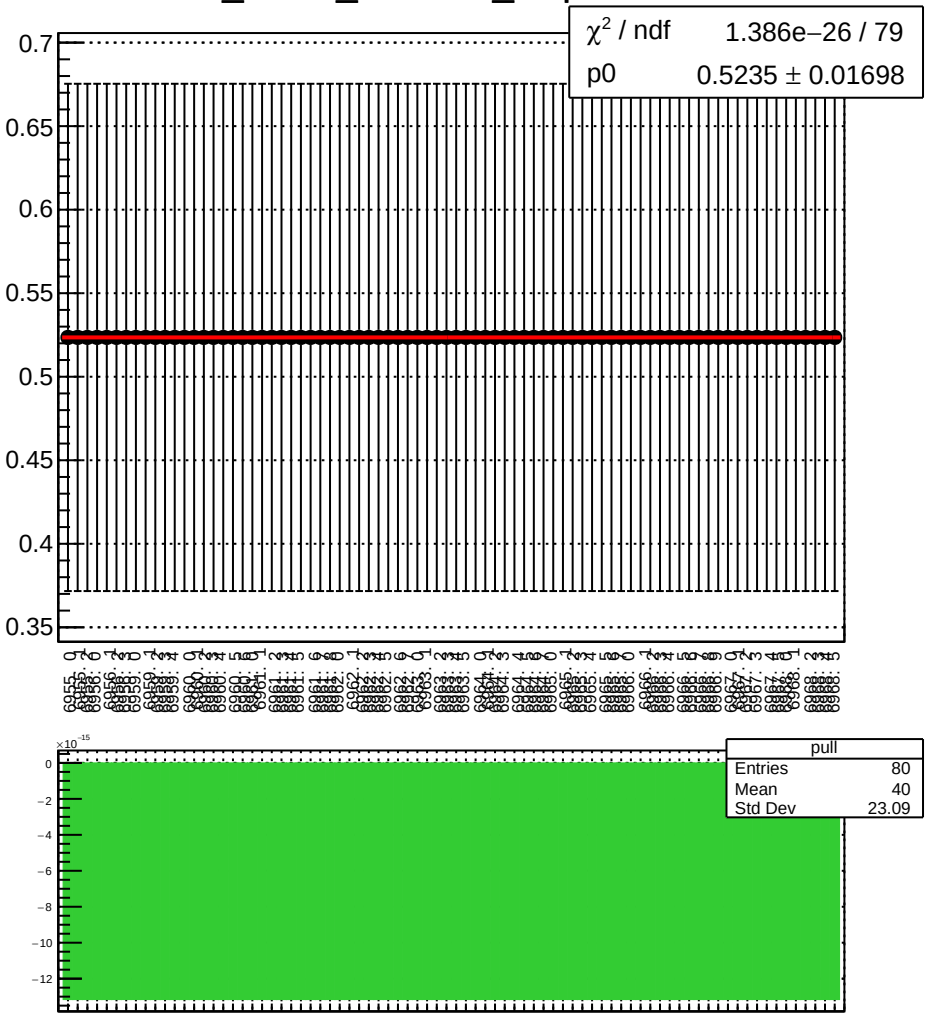


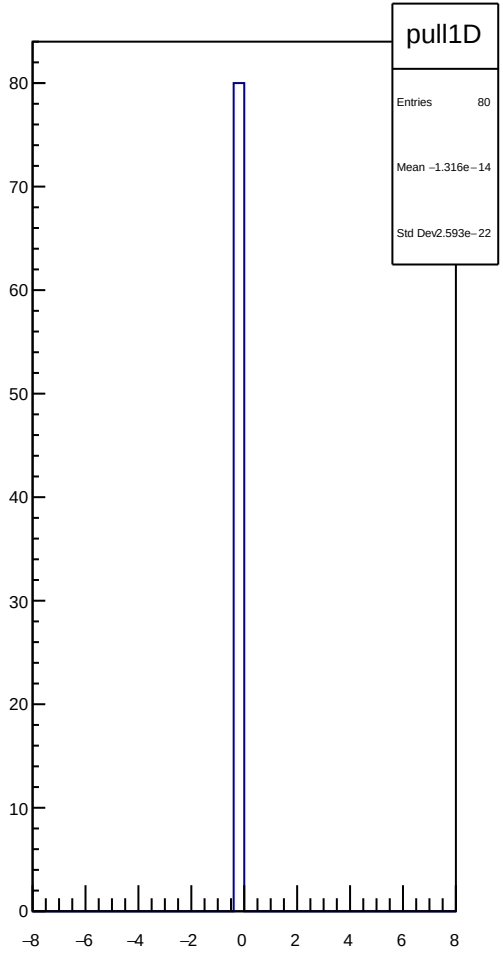


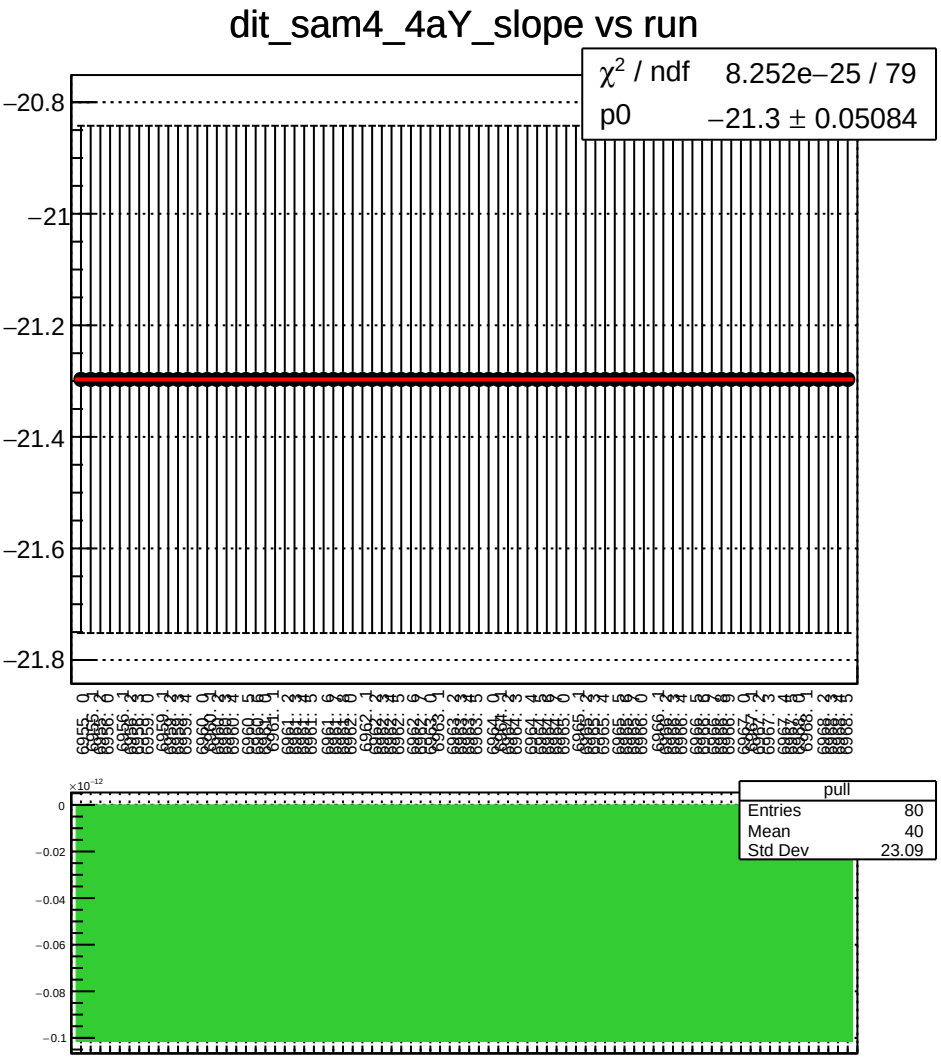

dit_sam4_4eX_slope vs run
χ^2 / ndf 1.113e−25 / 79
p0 −235.5 ± 1.533
−220
−225
−230
−235
−240
−245
−250
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
35
30
25
20
15
10
5
0

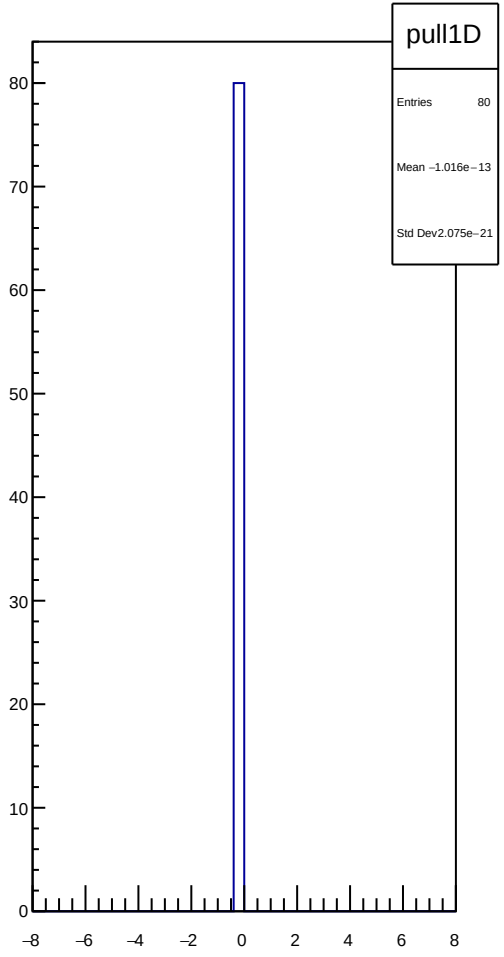

pull1D
Entries 80
Mean 3.73e−14
Std Dev 2.712e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

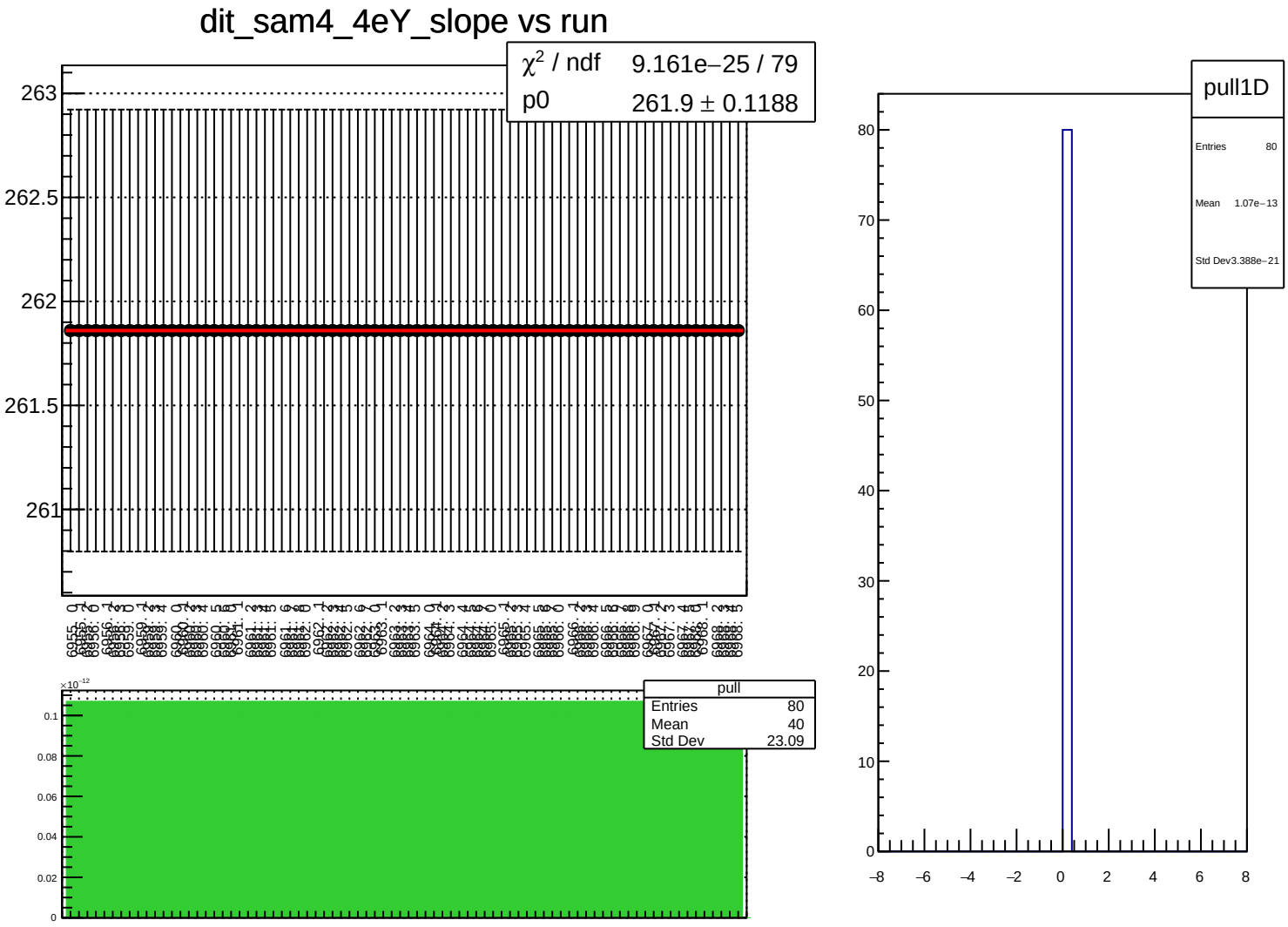
dit_sam4_11X12X_slope vs run

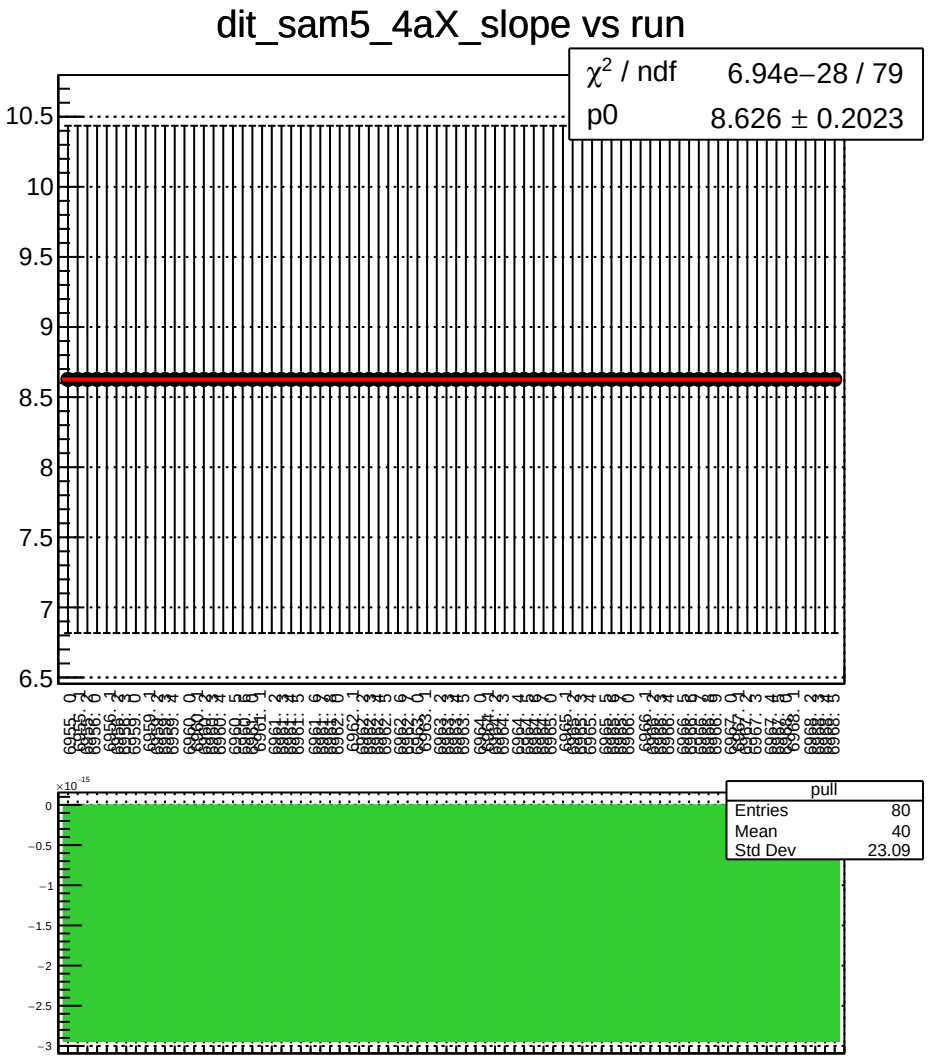


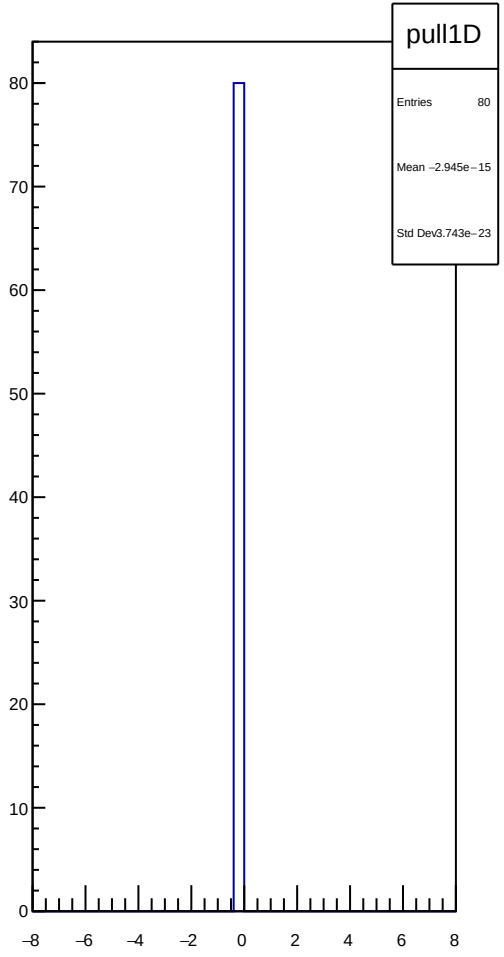


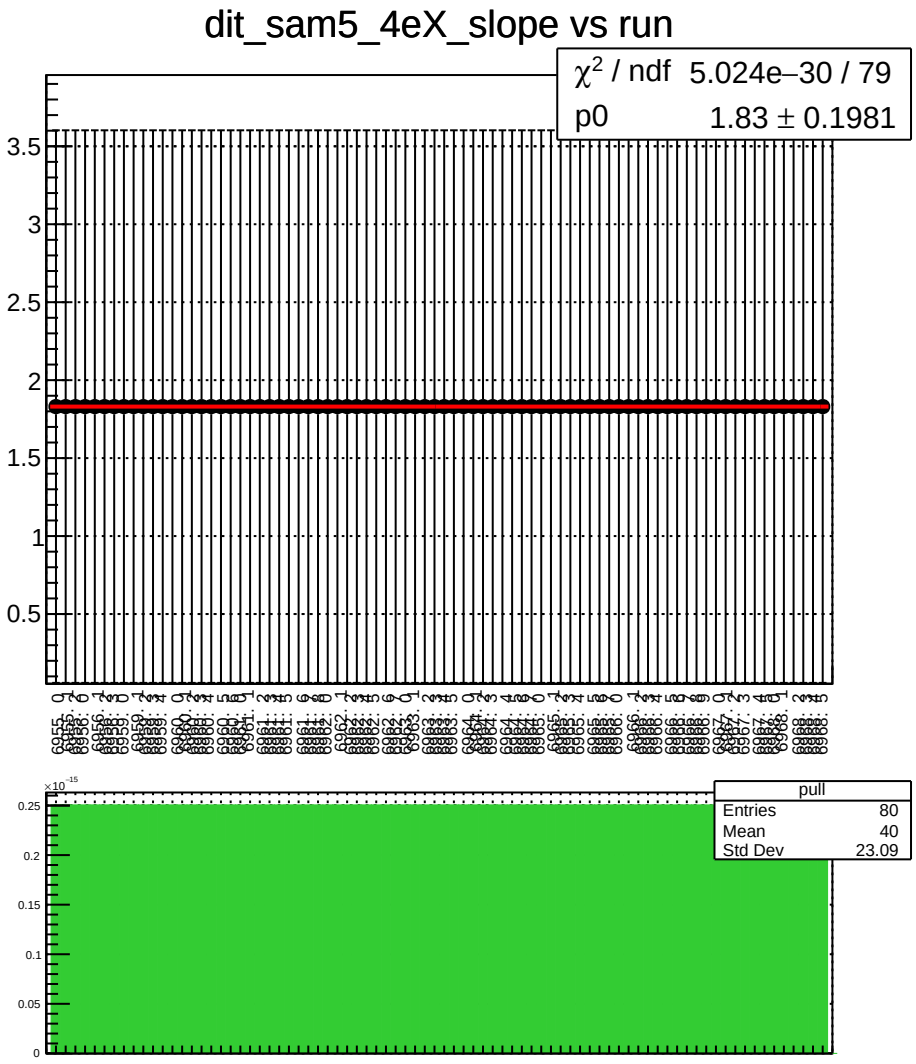

dit_sam4_4aY_slope vs run
χ² / ndf 8.252e−25 / 79
p0 −21.3 ± 0.05084
−20.8
−21
−21.2
−21.4
−21.6
−21.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

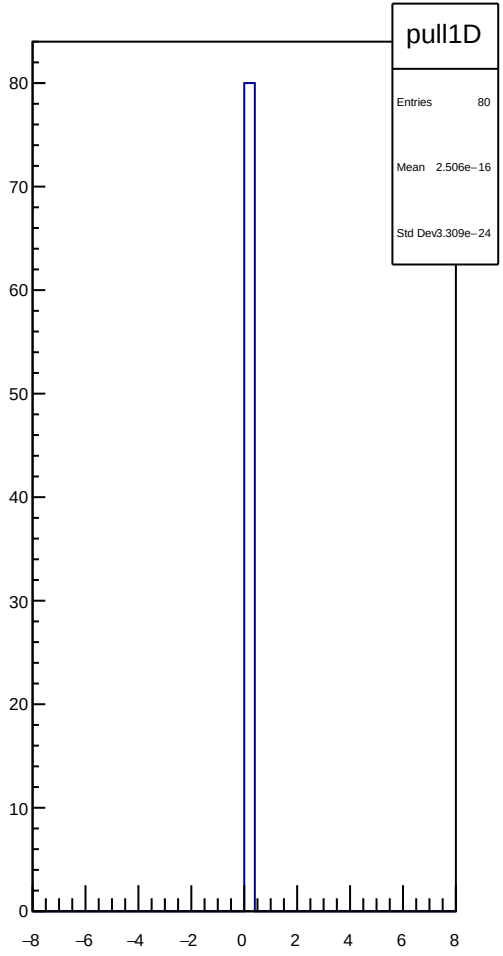

pull1D
Entries 80
Mean −1.016e−13
Std Dev 2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

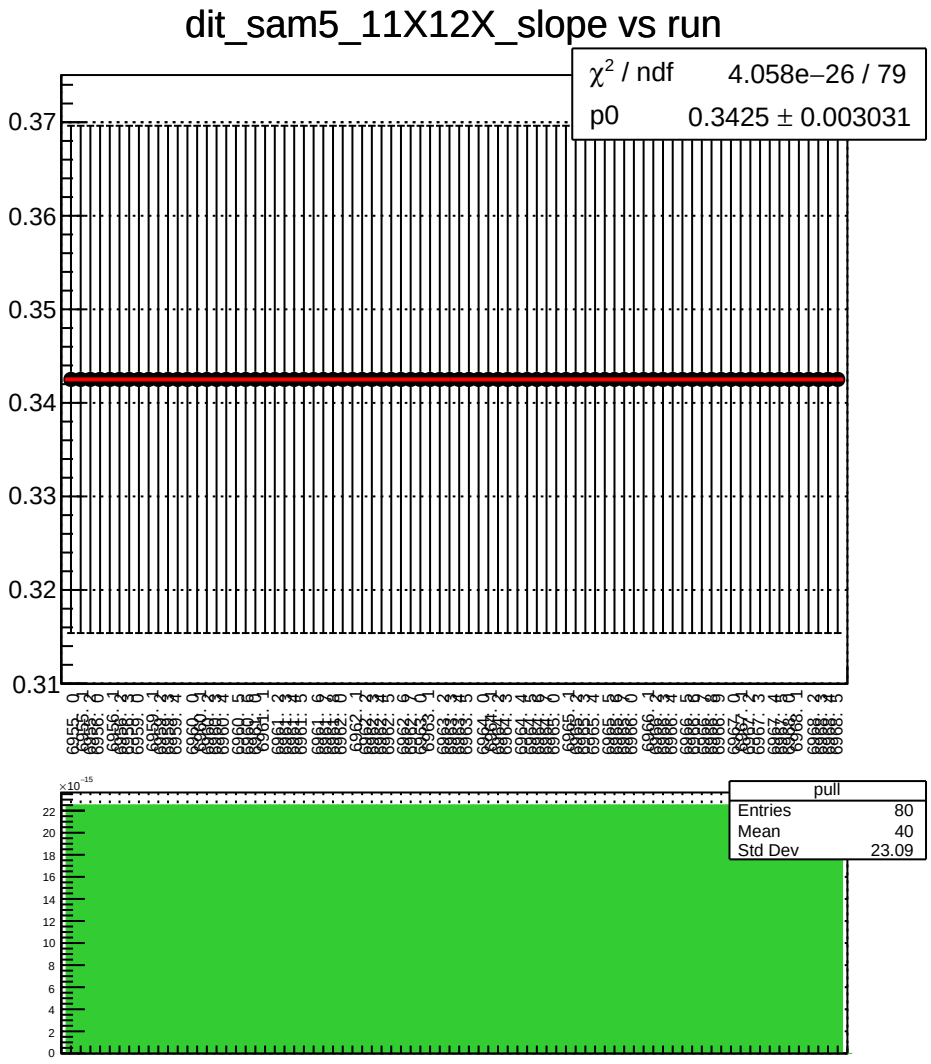

dit_sam4_4eY_slope vs run
χ² / ndf 9.161e−25 / 79
p0 261.9 ± 0.1188
263
262.5
262
261.5
261
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.07e−13
Std Dev 3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

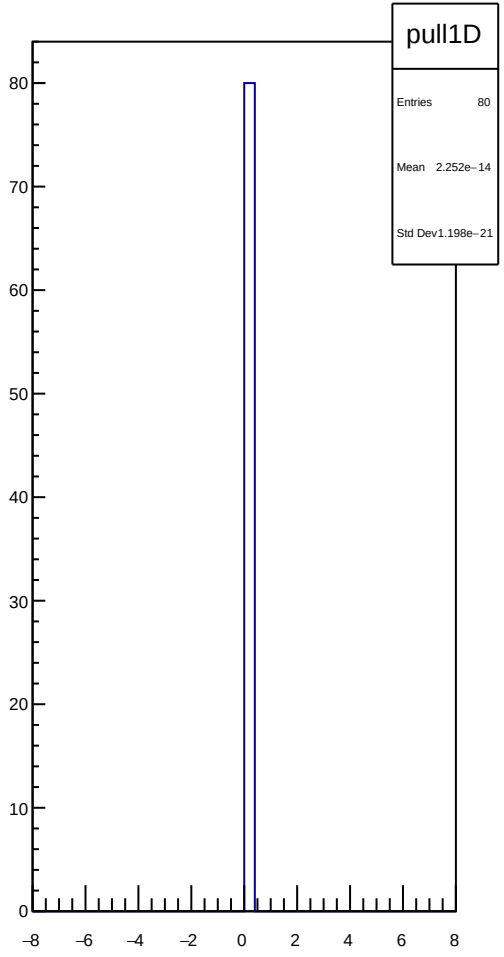

dit_sam5_4aX_slope vs run
χ^2 / ndf 6.94e−28 / 79
p0 8.626 ± 0.2023
pull
Entries 80
Mean 40
Std Dev 23.09

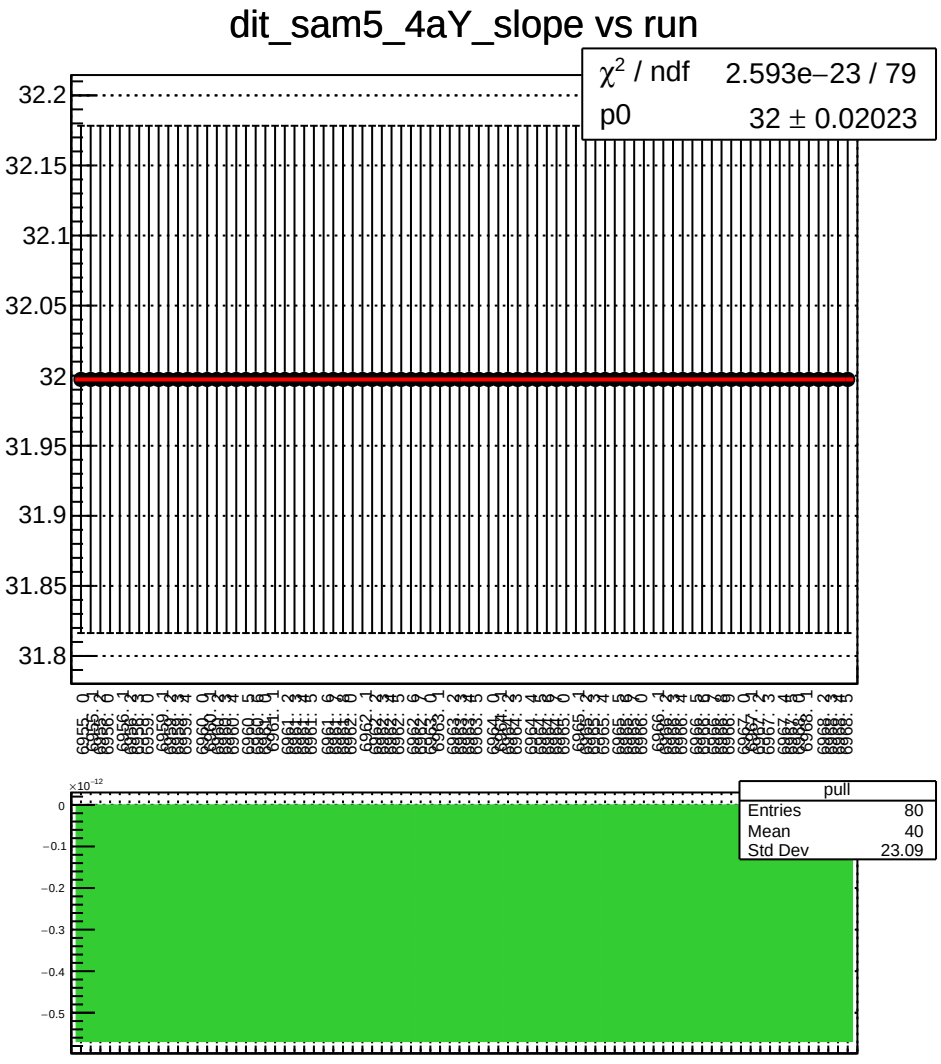

pull1D
Entries 80
Mean −2.945e−15
Std Dev 3.743e−23

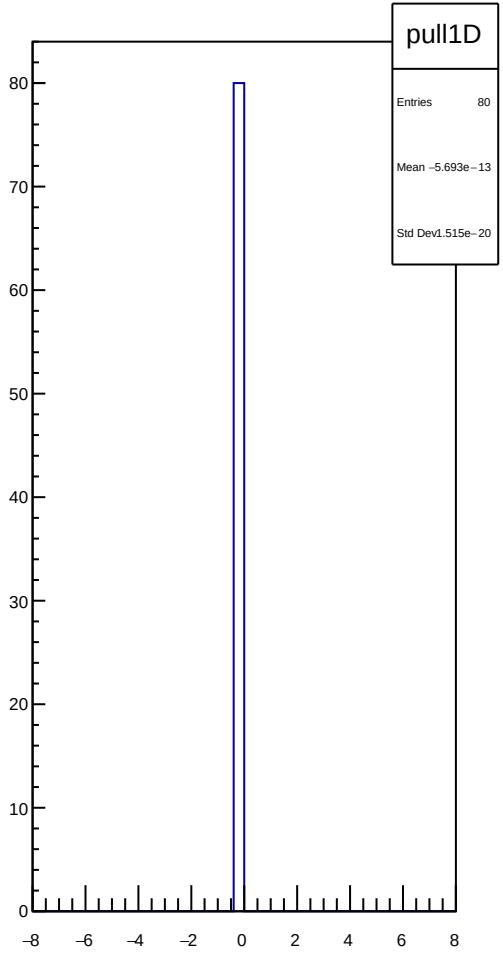

dit_sam5_4eX_slope vs run
χ^2 / ndf 5.024e−30 / 79
p0 1.83 ± 0.1981
pull
Entries 80
Mean 40
Std Dev 23.09

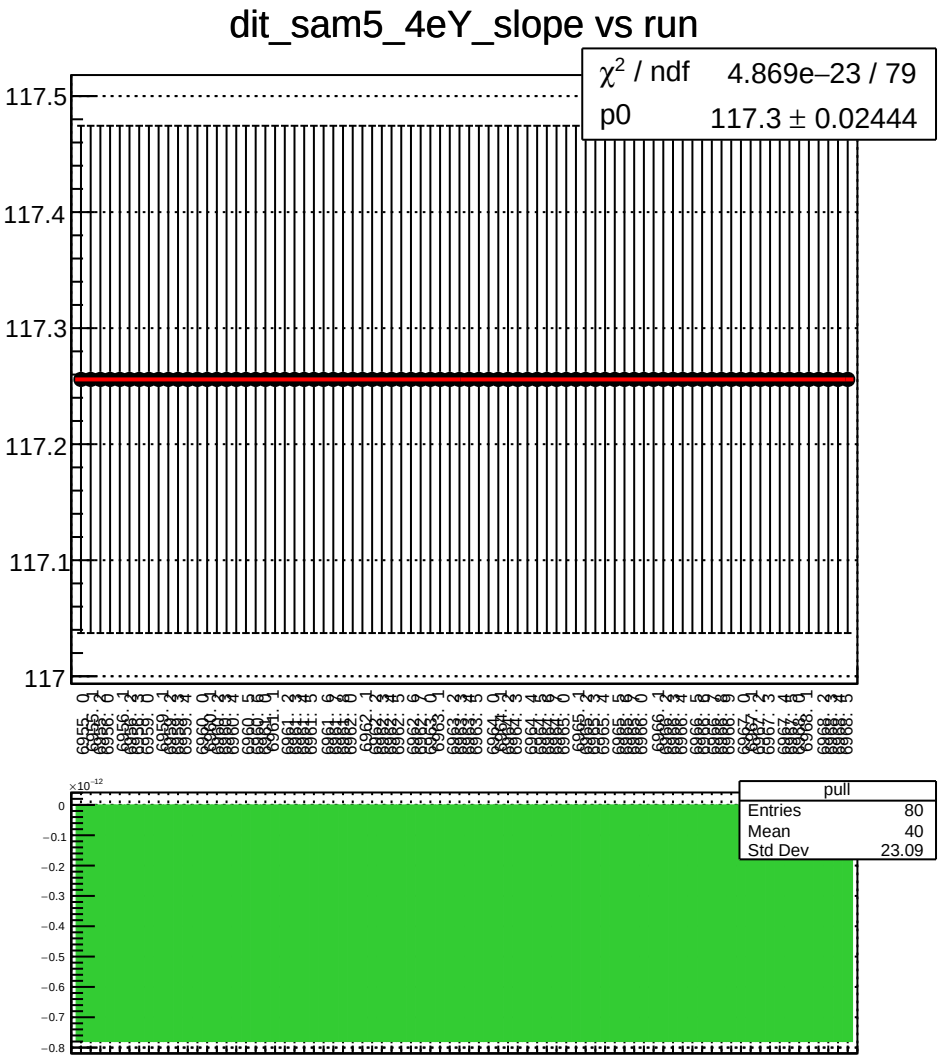

pull1D
Entries 80
Mean 2.506e−16
Std Dev 3.309e−24

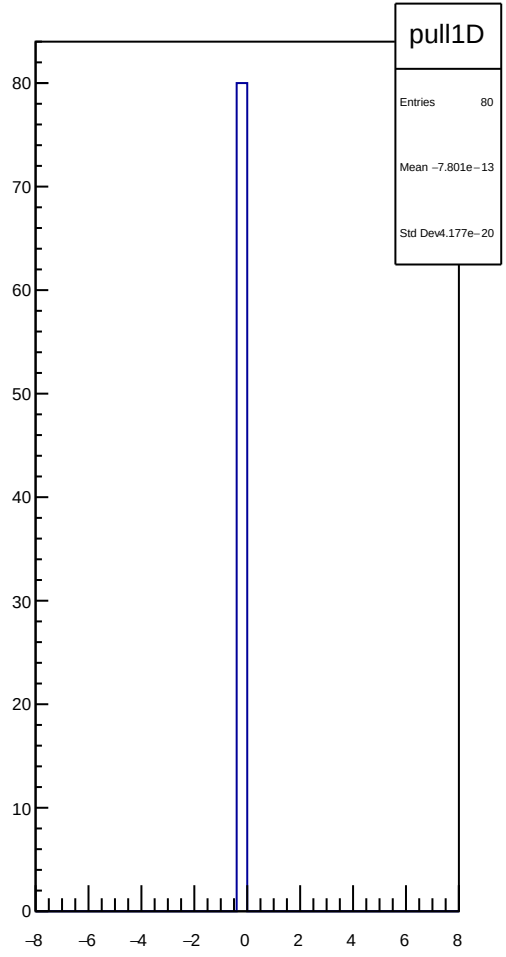

dit_sam5_11X12X_slope vs run
χ^2 / ndf 4.058e−26 / 79
p0 0.3425 ± 0.003031
0.37
0.36
0.35
0.34
0.33
0.32
0.31
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
22
20
18
16
14
12
10
8
6
4
2
0

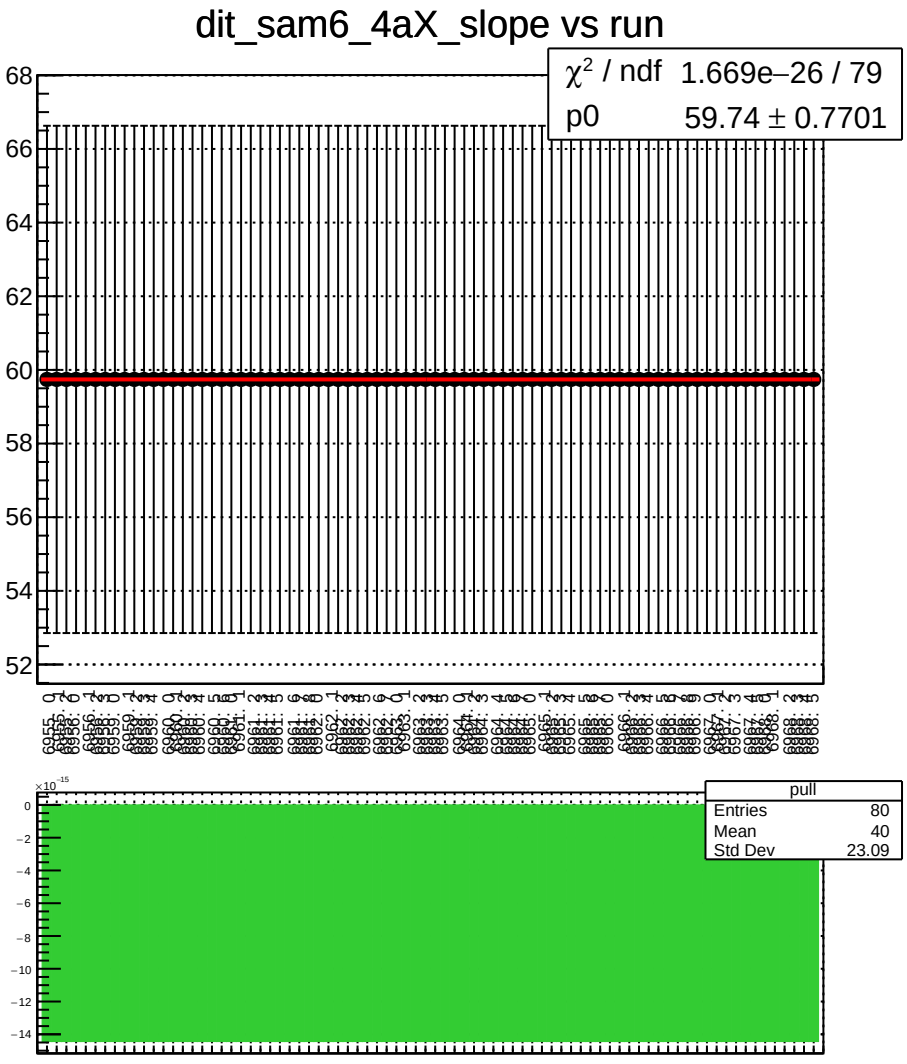

pull1D
Entries 80
Mean 2.252e−14
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

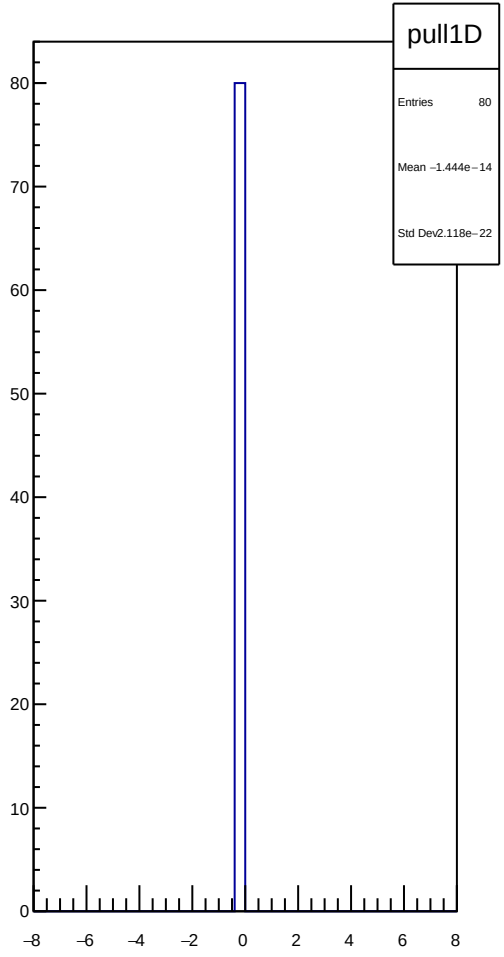

dit_sam5_4aY_slope vs run
χ² / ndf 2.593e−23 / 79
p0 32 ± 0.02023
32.2
32.15
32.1
32.05
32
31.95
31.9
31.85
31.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

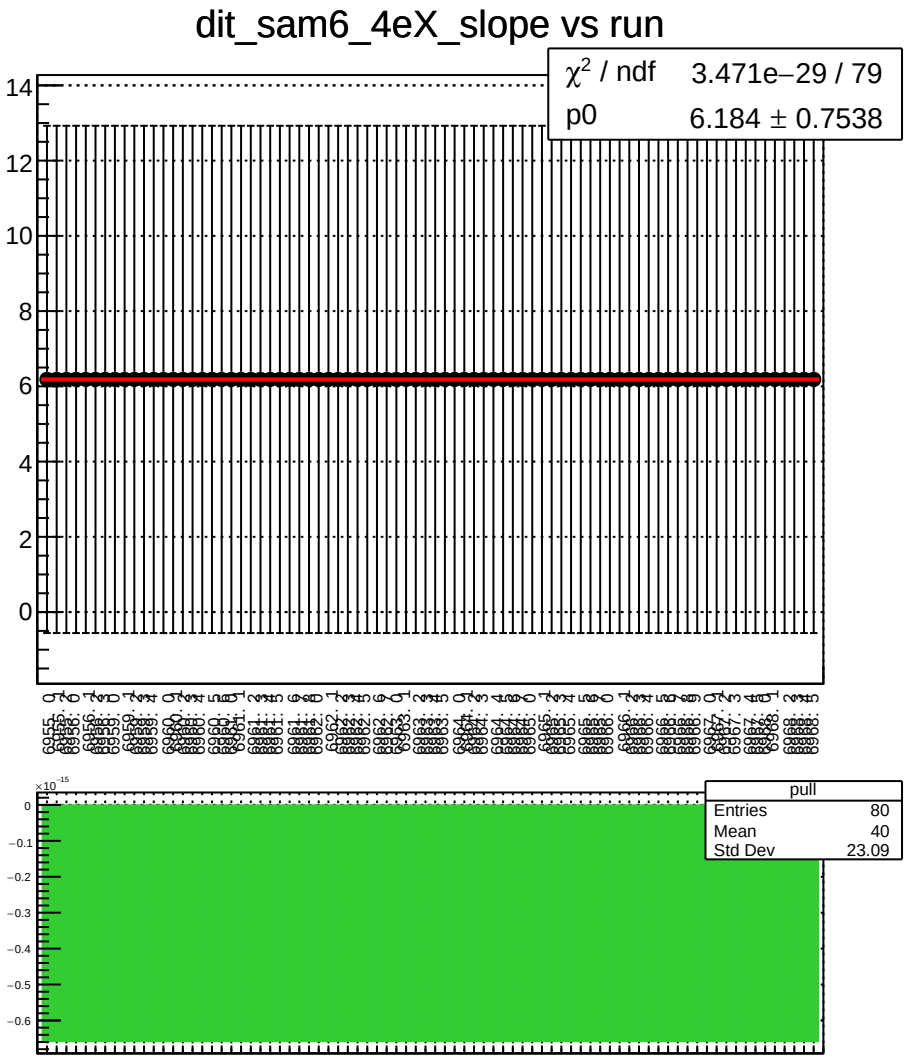

pull1D
Entries 80
Mean −5.693e−13
Std Dev 1.515e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

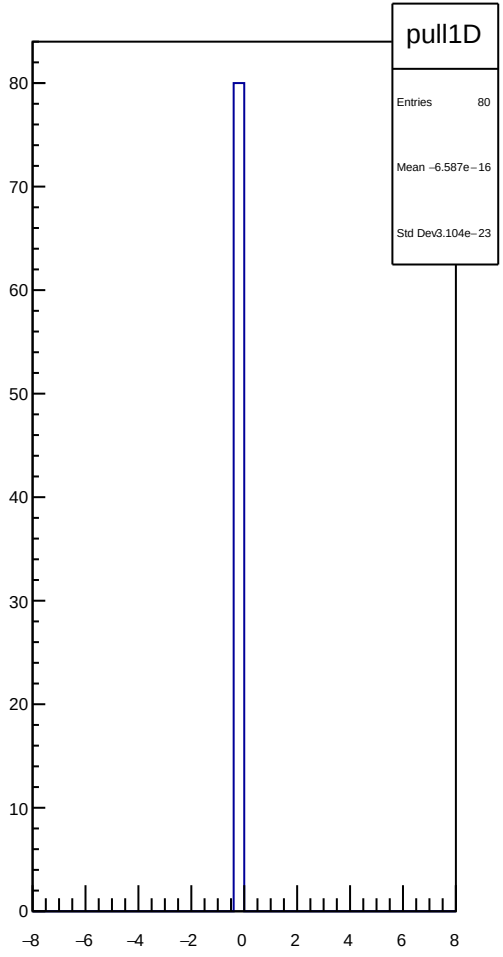

dit_sam5_4eY_slope vs run
χ^2 / ndf 4.869e−23 / 79
p0 117.3 ± 0.02444
117.5
117.4
117.3
117.2
117.1
117
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

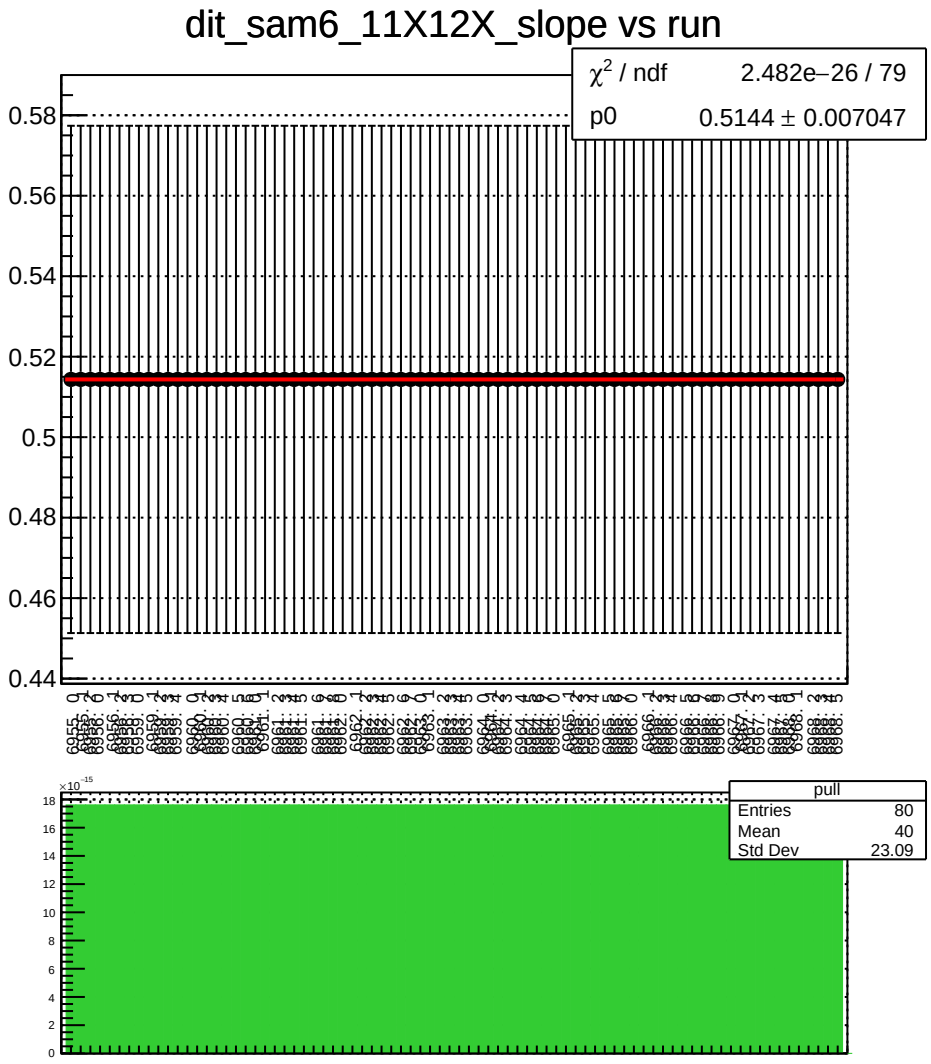

pull1D
Entries 80
Mean −7.801e−13
Std Dev4.177e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

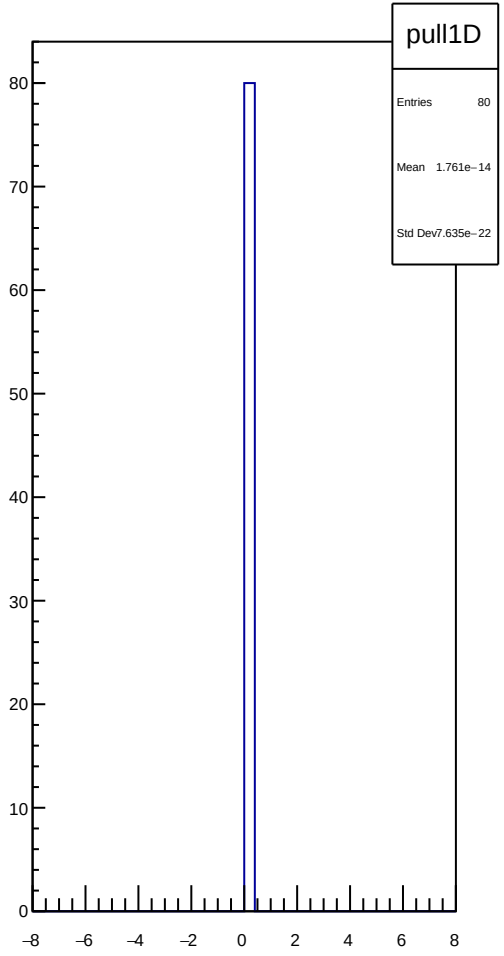

dit_sam6_4aX_slope vs run
χ² / ndf 1.669e−26 / 79
p0 59.74 ± 0.7701
pull
Entries 80
Mean 40
Std Dev 23.09

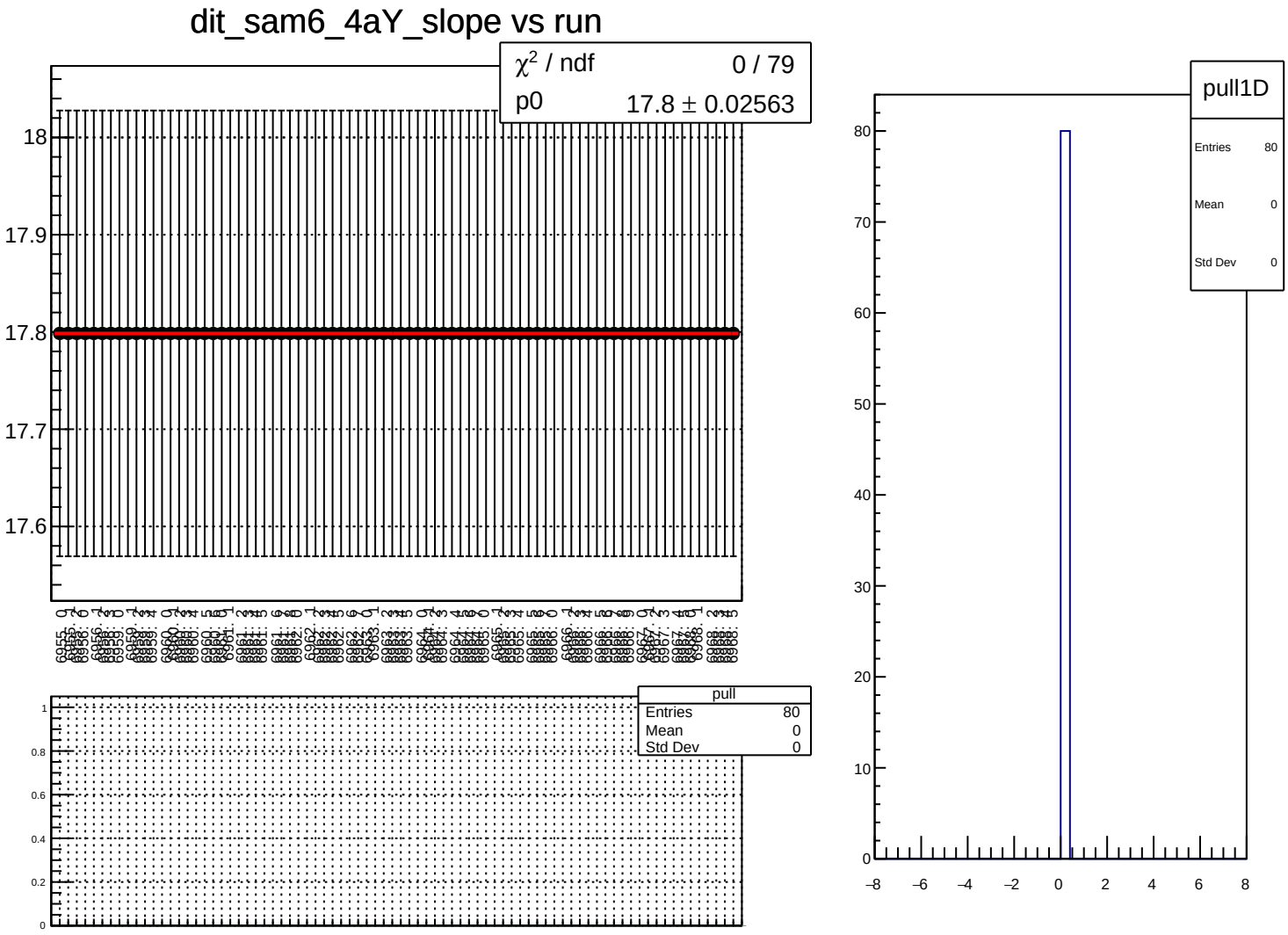

pull1D
Entries 80
Mean −1.444e−14
Std Dev 2.118e−22

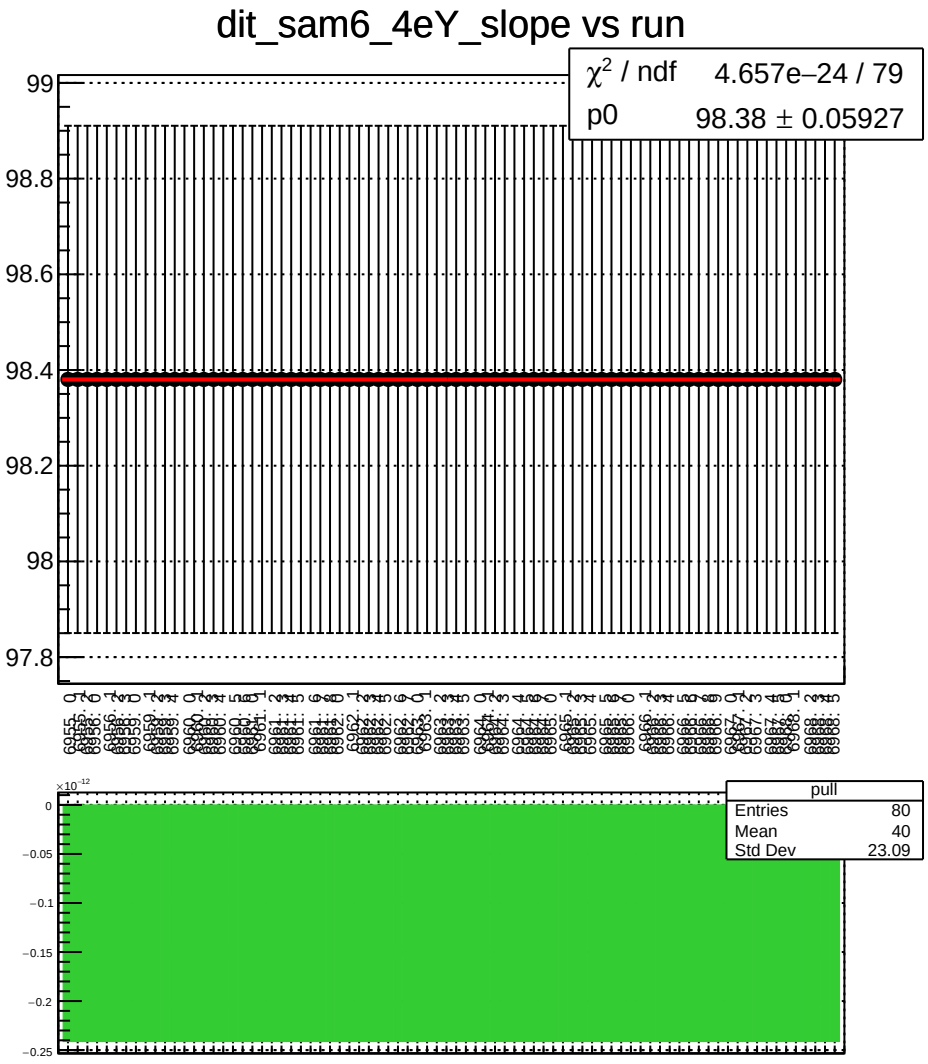

dit_sam6_4eX_slope vs run
χ^2 / ndf 3.471e−29 / 79
p0 6.184 ± 0.7538
pull
Entries 80
Mean 40
Std Dev 23.09

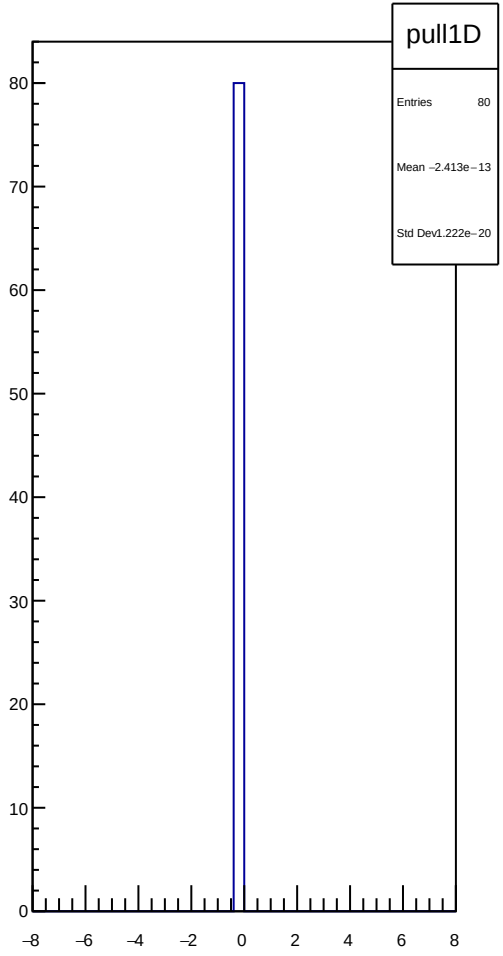

pull1D
Entries 80
Mean −6.587e−16
Std Dev 3.104e−23

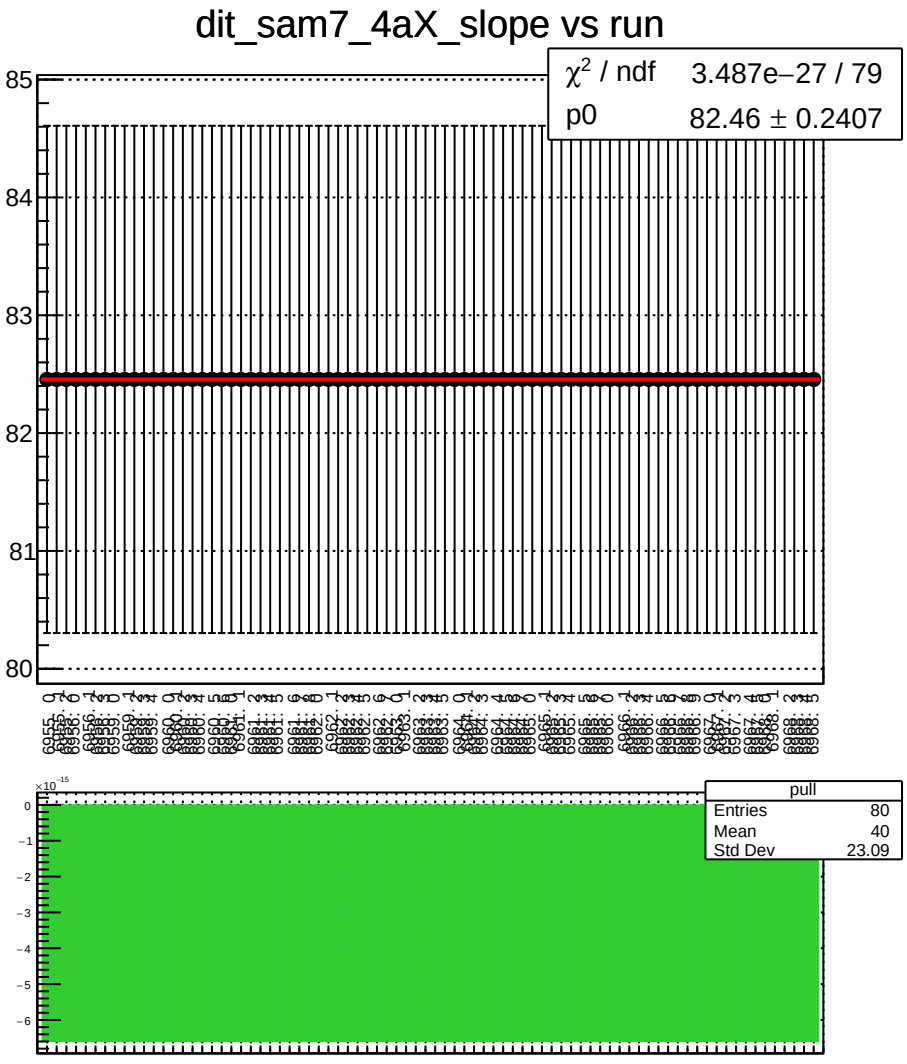

dit_sam6_11X12X_slope vs run
χ^2 / ndf 2.482e−26 / 79
p0 0.5144 ± 0.007047
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
18
16
14
12
10
8
6
4
2
0

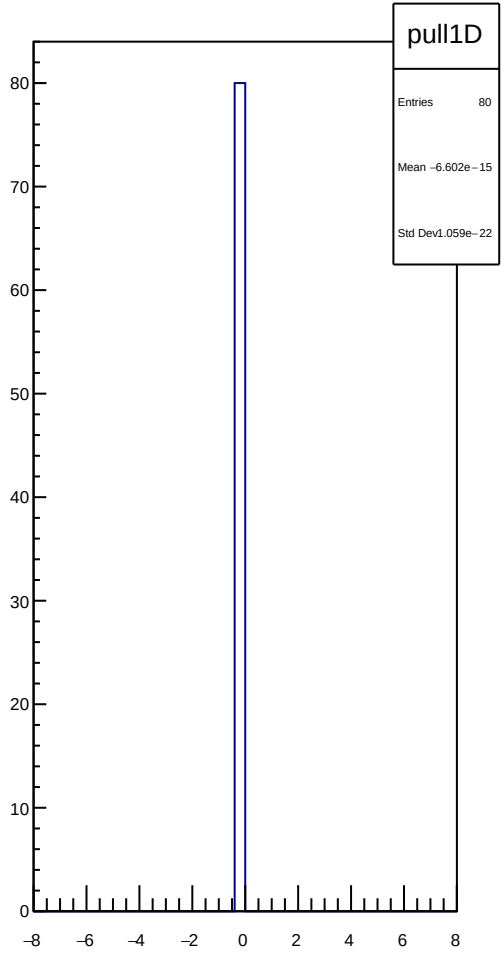

pull1D
Entries 80
Mean 1.761e−14
Std Dev7.635e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

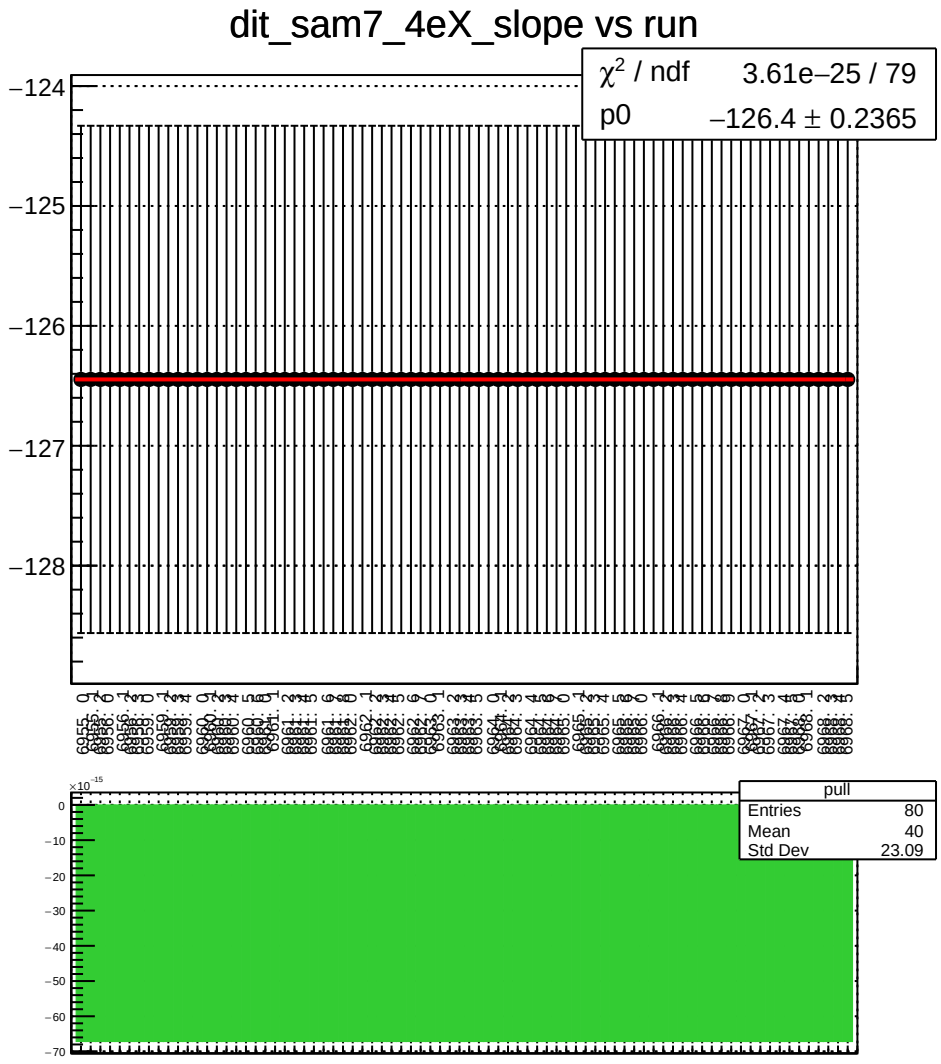

dit_sam6_4aY_slope vs run
χ^2 / ndf 0 / 79
p0 17.8 ± 0.02563
18
17.9
17.8
17.7
17.6
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

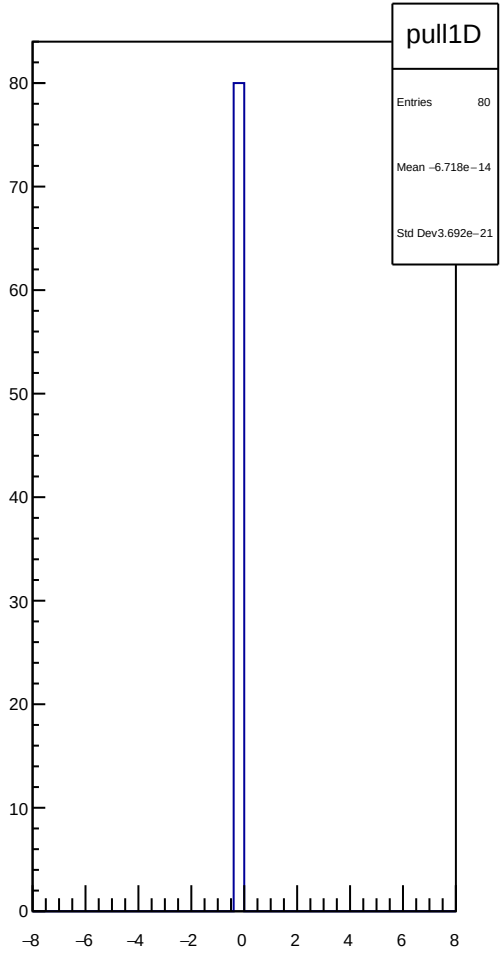

dit_sam6_4eY_slope vs run
χ^2 / ndf 4.657e−24 / 79
p0 98.38 ± 0.05927
99
98.8
98.6
98.4
98.2
98
97.8
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25

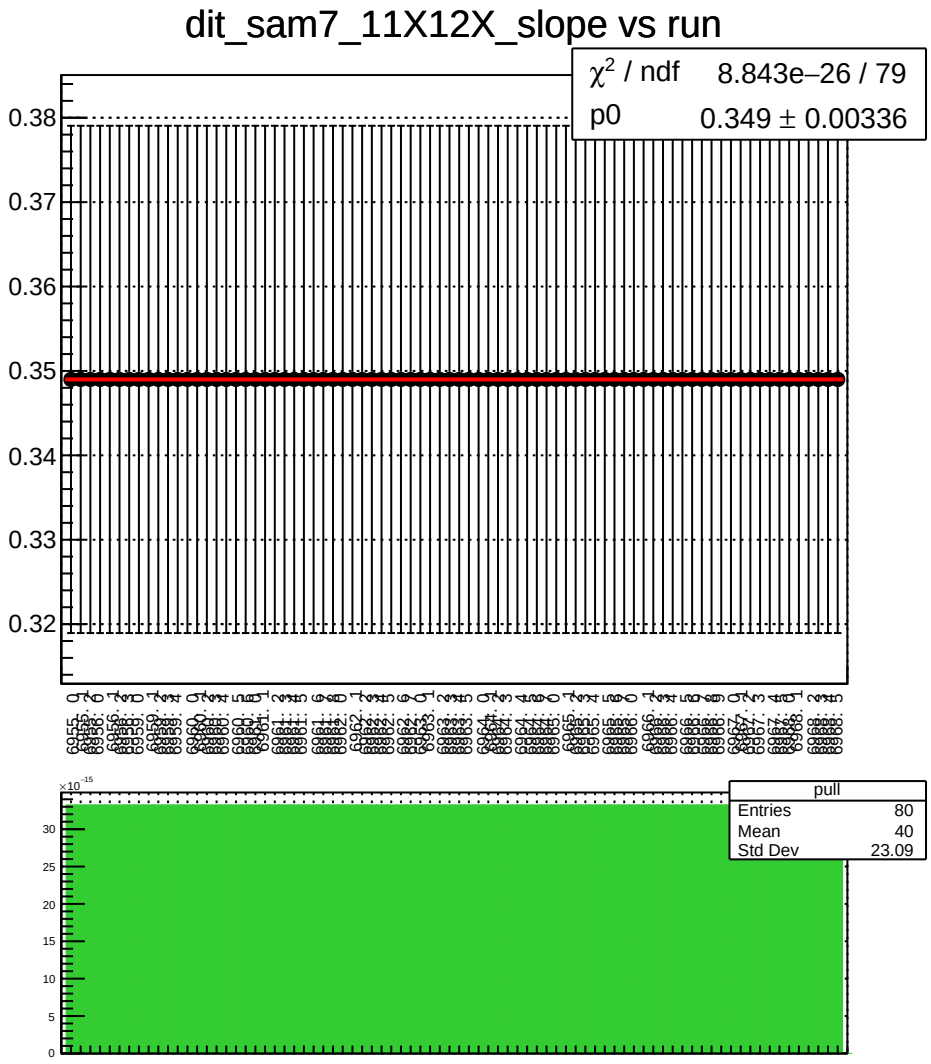

pull1D
Entries 80
Mean −2.413e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

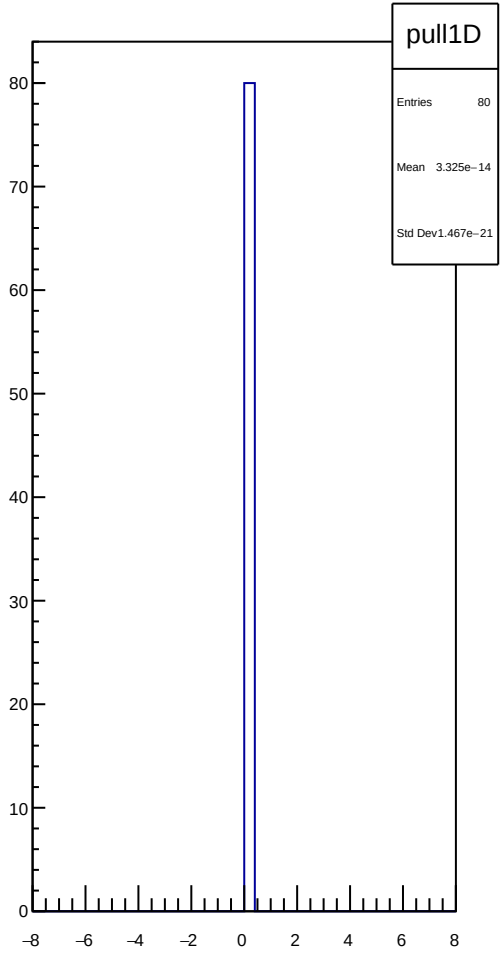

dit_sam7_4aX_slope vs run
χ² / ndf 3.487e−27 / 79
p0 82.46 ± 0.2407
85
84
83
82
81
80
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

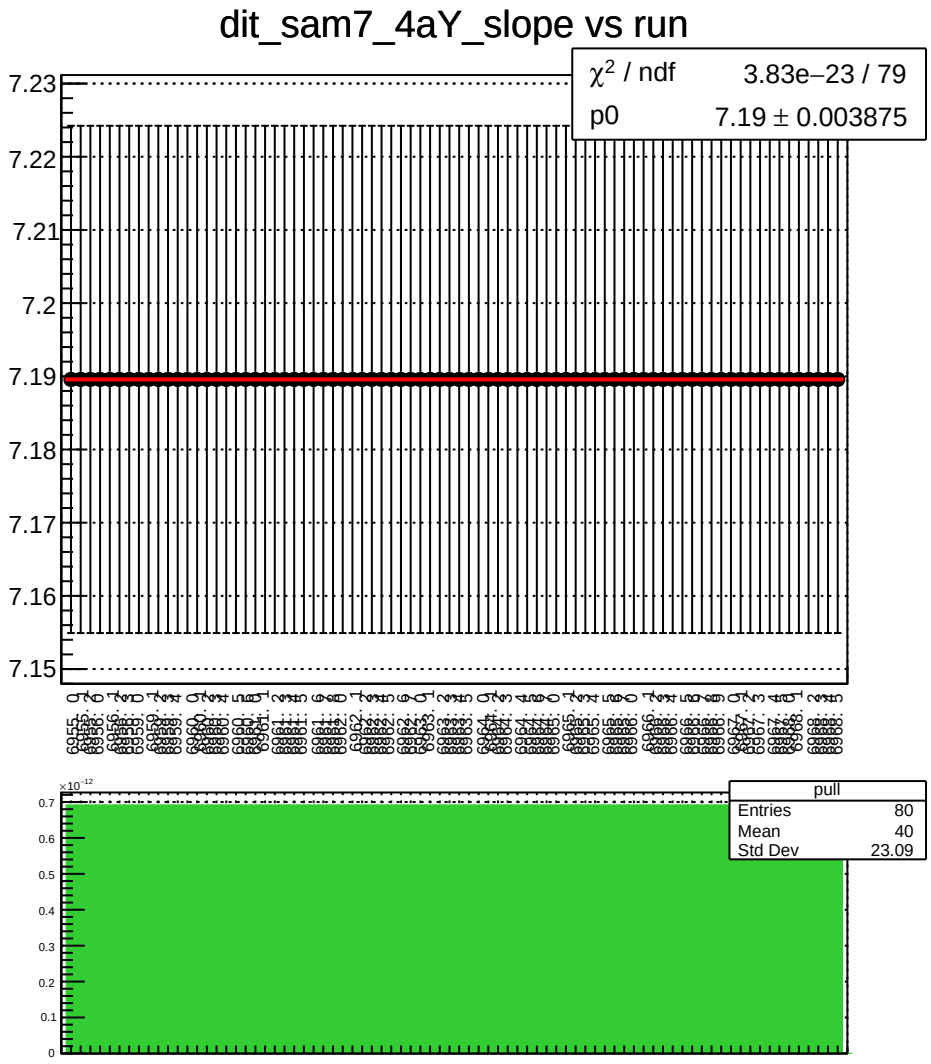

pull1D
Entries 80
Mean −6.602e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

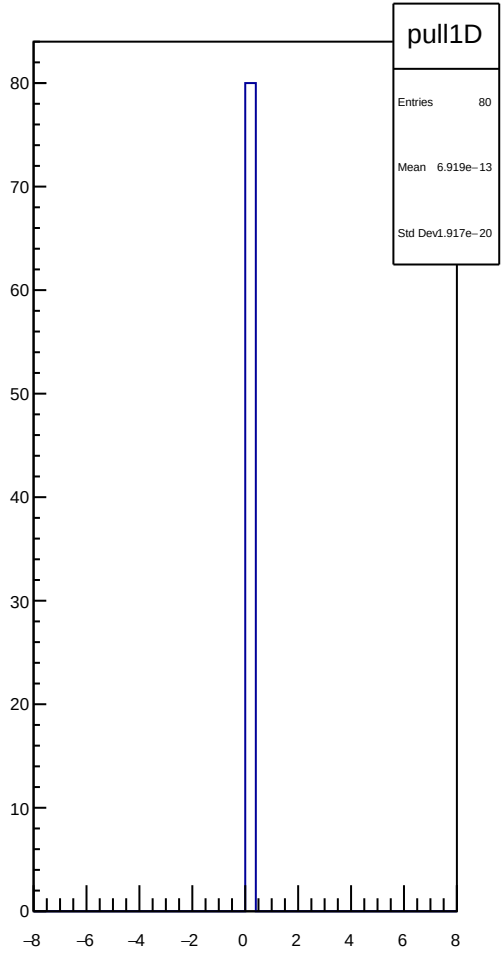

dit_sam7_4eX_slope vs run
χ² / ndf 3.61e−25 / 79
p0 −126.4 ± 0.2365
−124
−125
−126
−127
−128
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

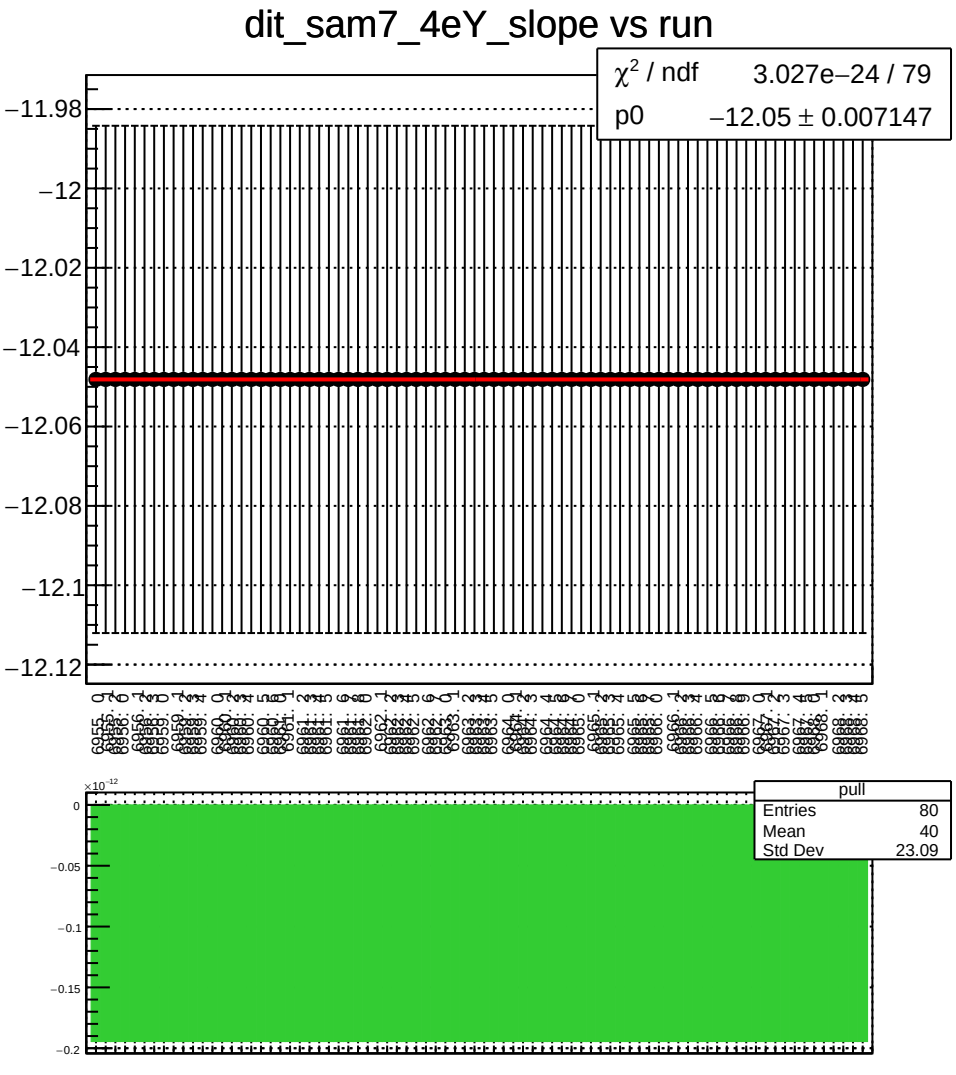

pull1D
Entries 80
Mean −6.718e−14
Std Dev3.692e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

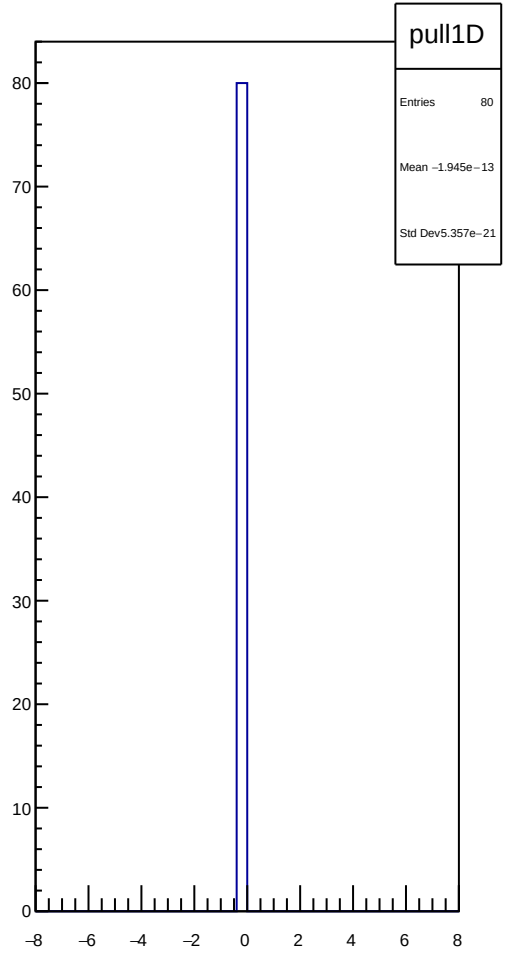

dit_sam7_11X12X_slope vs run
χ^2 / ndf 8.843e−26 / 79
p0 0.349 ± 0.00336
0.38
0.37
0.36
0.35
0.34
0.33
0.32
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
30
25
20
15
10
5
0

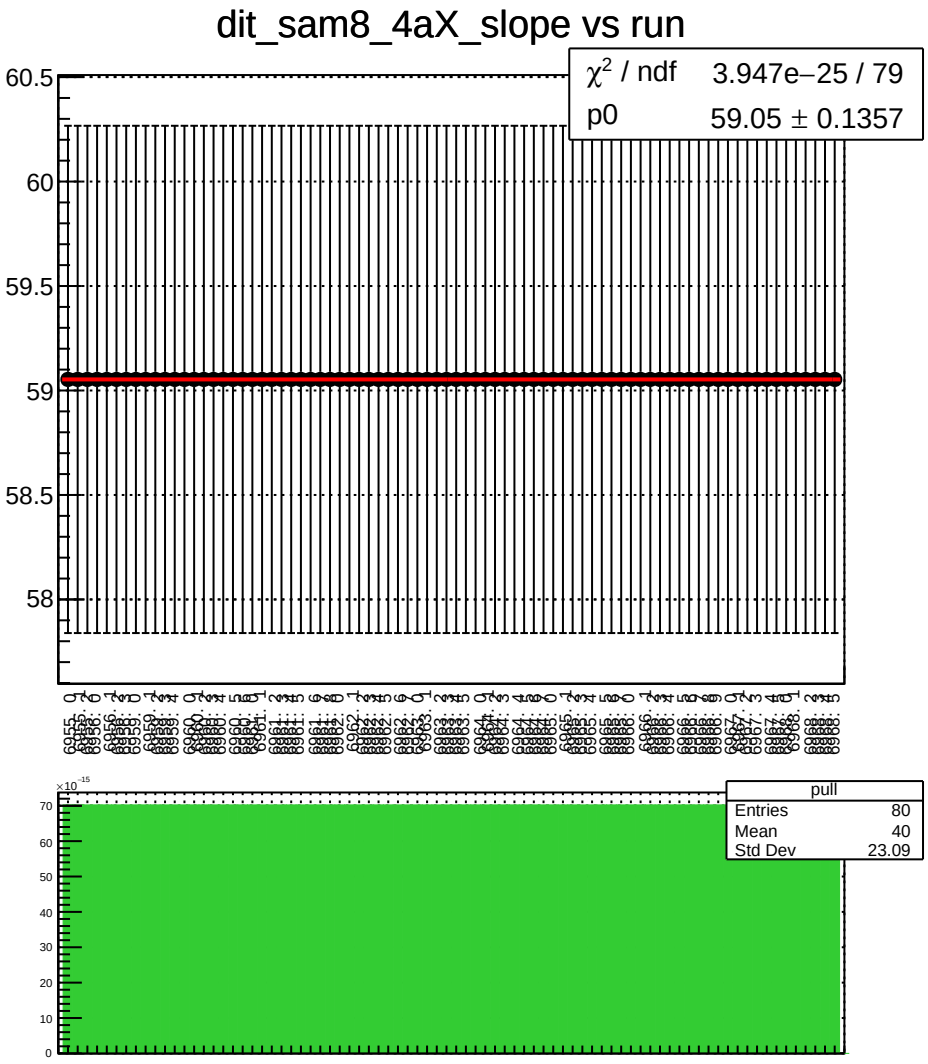

pull1D
Entries 80
Mean 3.325e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

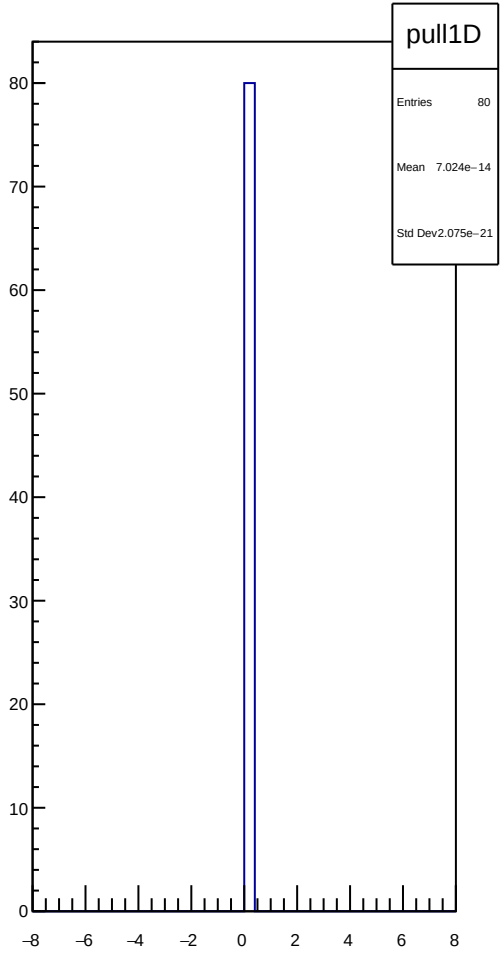

dit_sam7_4aY_slope vs run
χ² / ndf 3.83e−23 / 79
p0 7.19 ± 0.003875
7.23
7.22
7.21
7.2
7.19
7.18
7.17
7.16
7.15
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

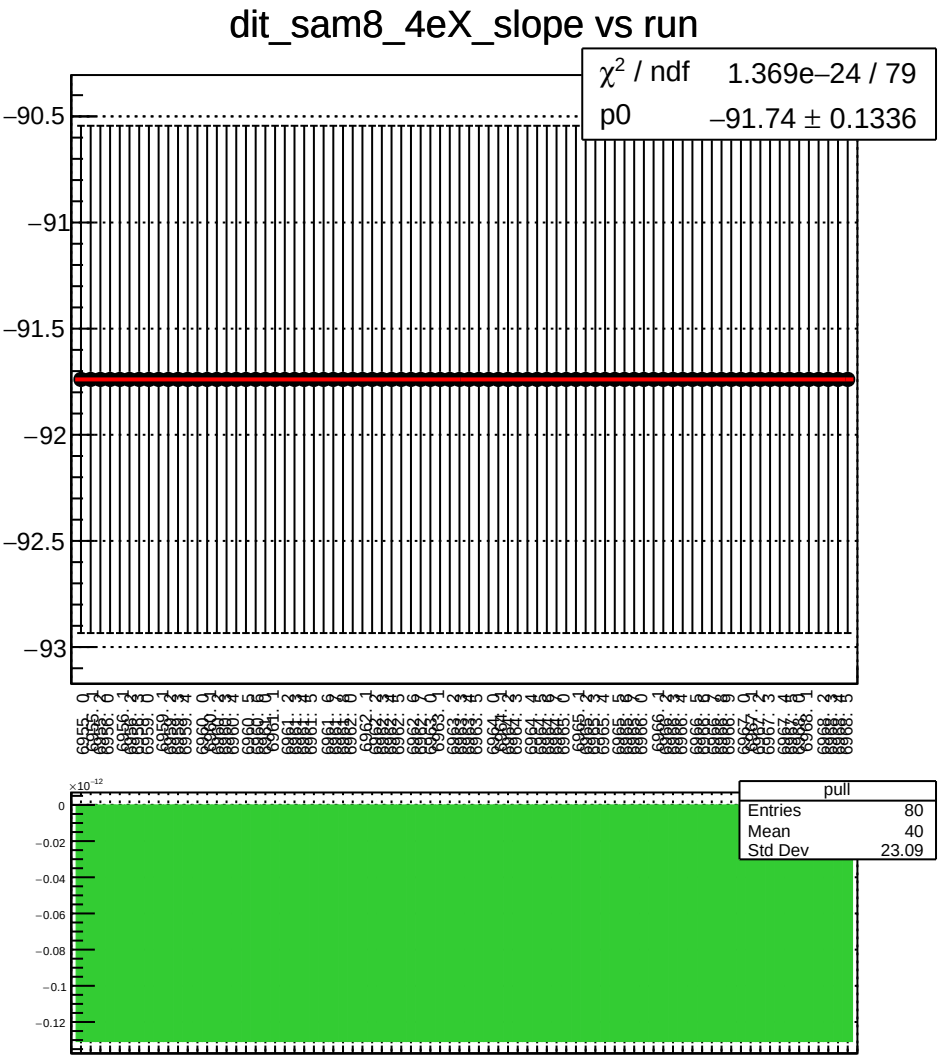

pull1D
Entries 80
Mean 6.919e−13
Std Dev 1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

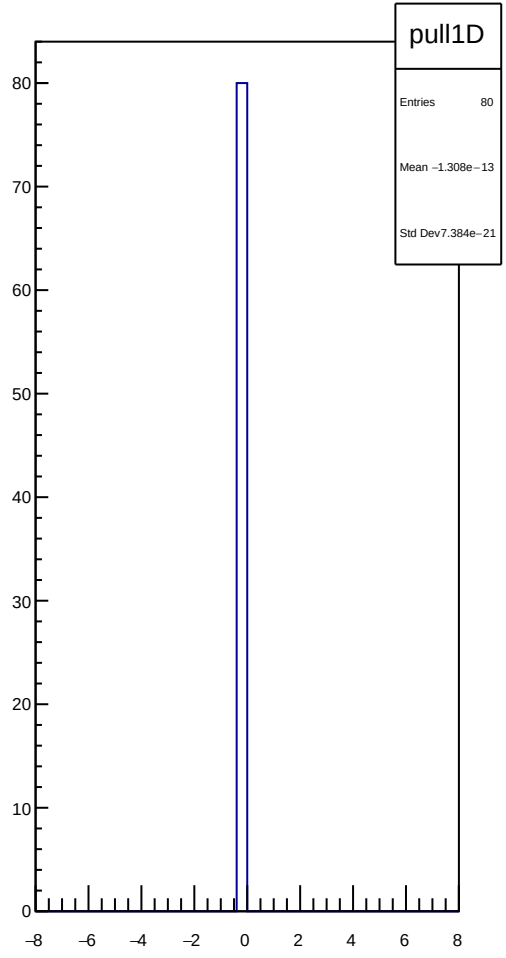

dit_sam7_4eY_slope vs run
χ² / ndf 3.027e−24 / 79
p0 −12.05 ± 0.007147
−11.98
−12
−12.02
−12.04
−12.06
−12.08
−12.1
−12.12
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

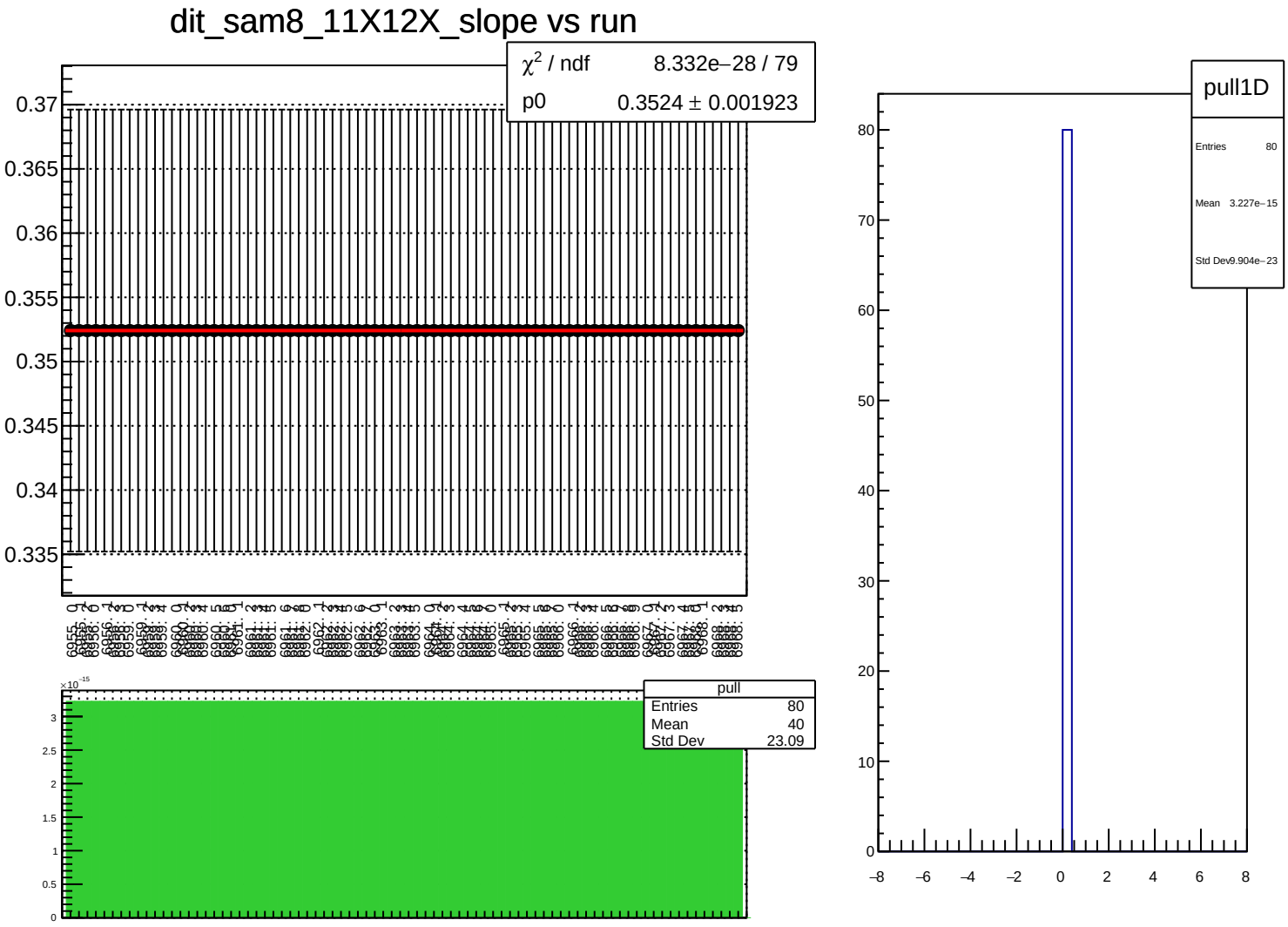

pull1D
Entries 80
Mean −1.945e−13
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

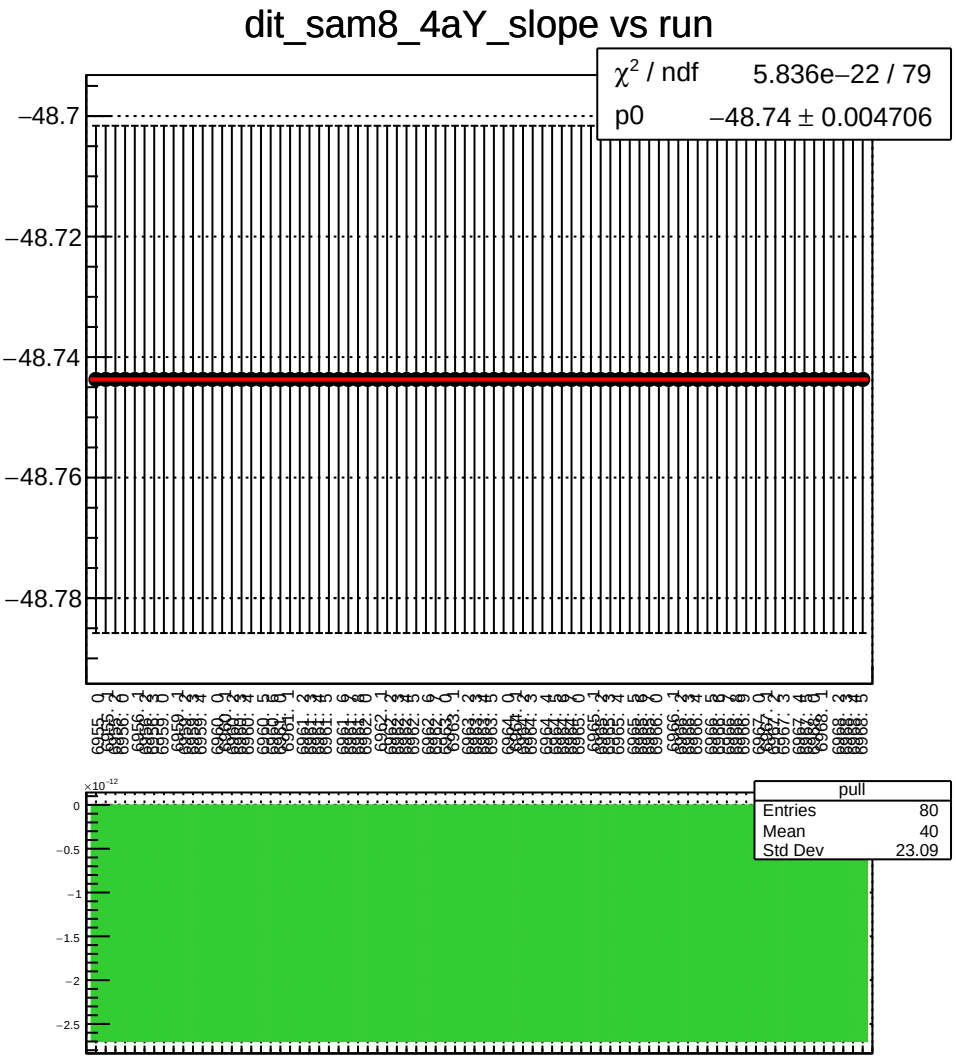

dit_sam8_4aX_slope vs run
χ^2 / ndf 3.947e−25 / 79
p0 59.05 ± 0.1357
60.5
60
59.5
59
58.5
58
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
70
60
50
40
30
20
10
0

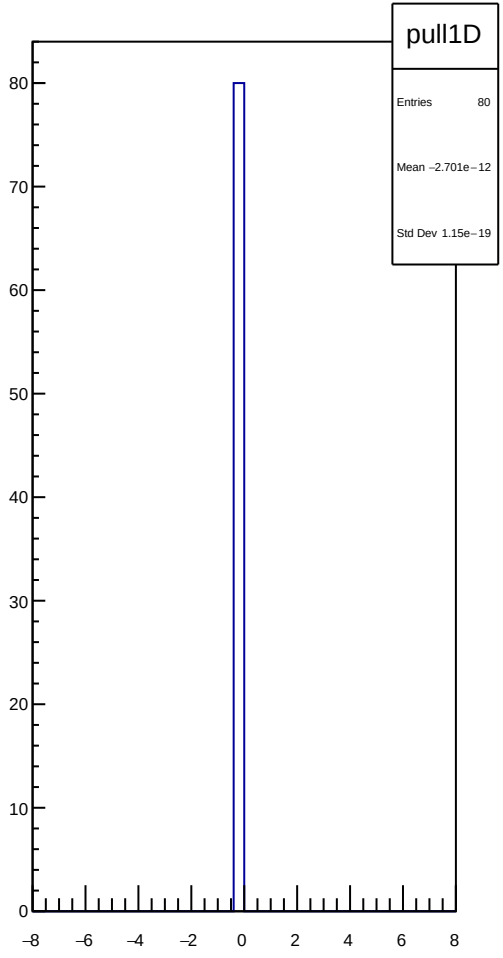

pull1D
Entries 80
Mean 7.024e−14
Std Dev 2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

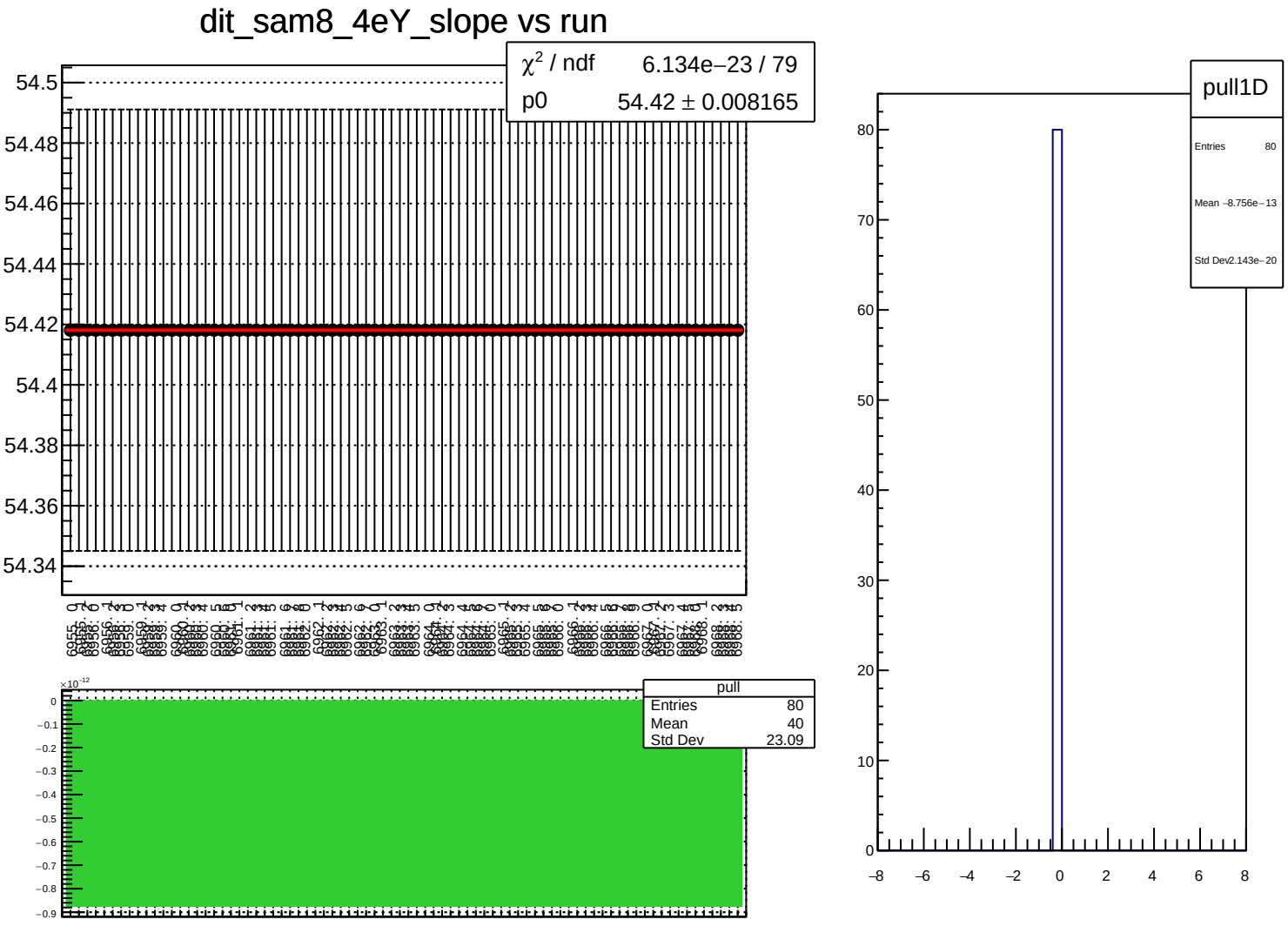

dit_sam8_4eX_slope vs run
χ^2 / ndf 1.369e−24 / 79
p0 −91.74 ± 0.1336
−90.5
−91
−91.5
−92
−92.5
−93
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

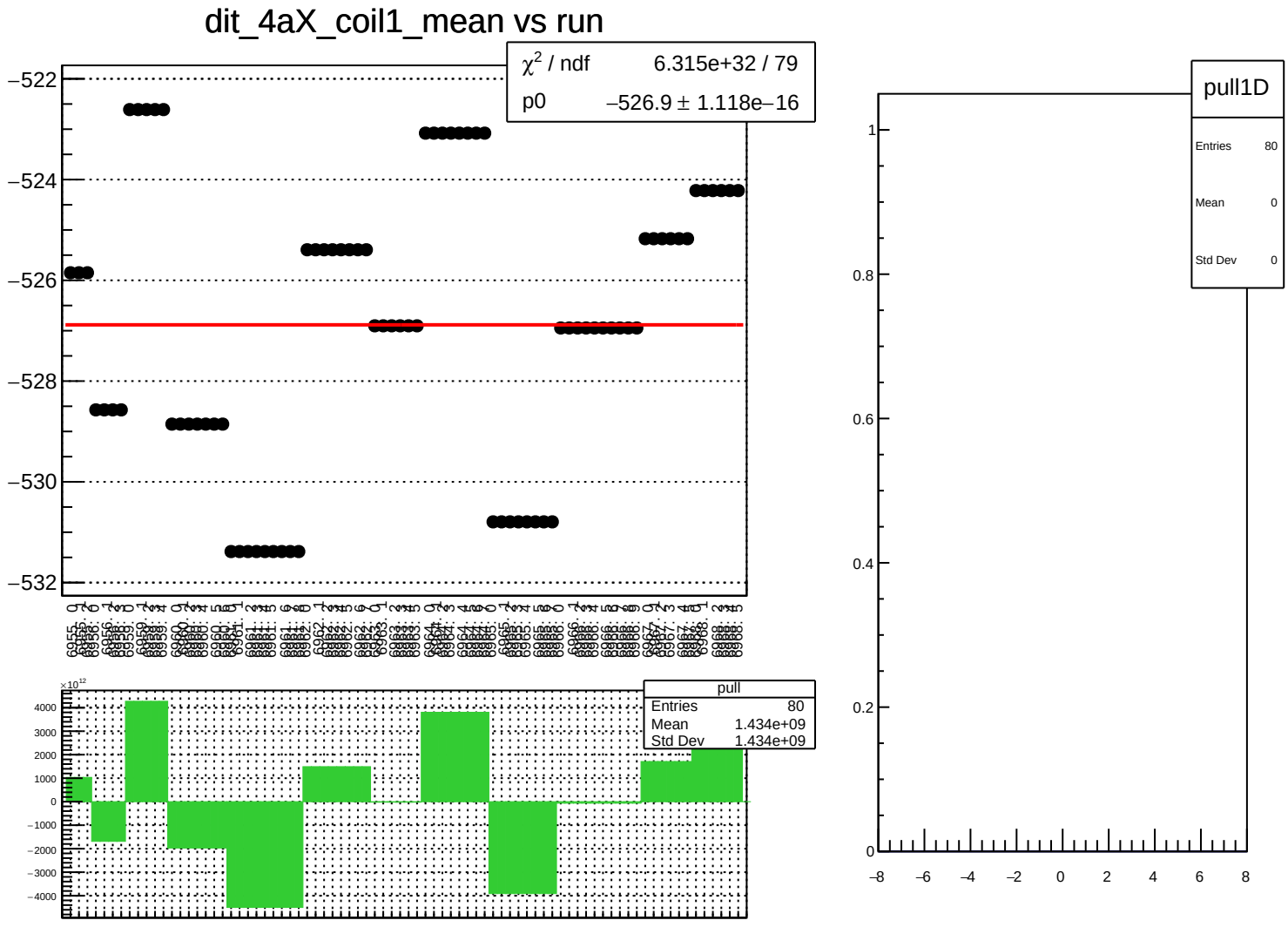

pull1D
Entries 80
Mean −1.308e−13
Std Dev 7.384e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

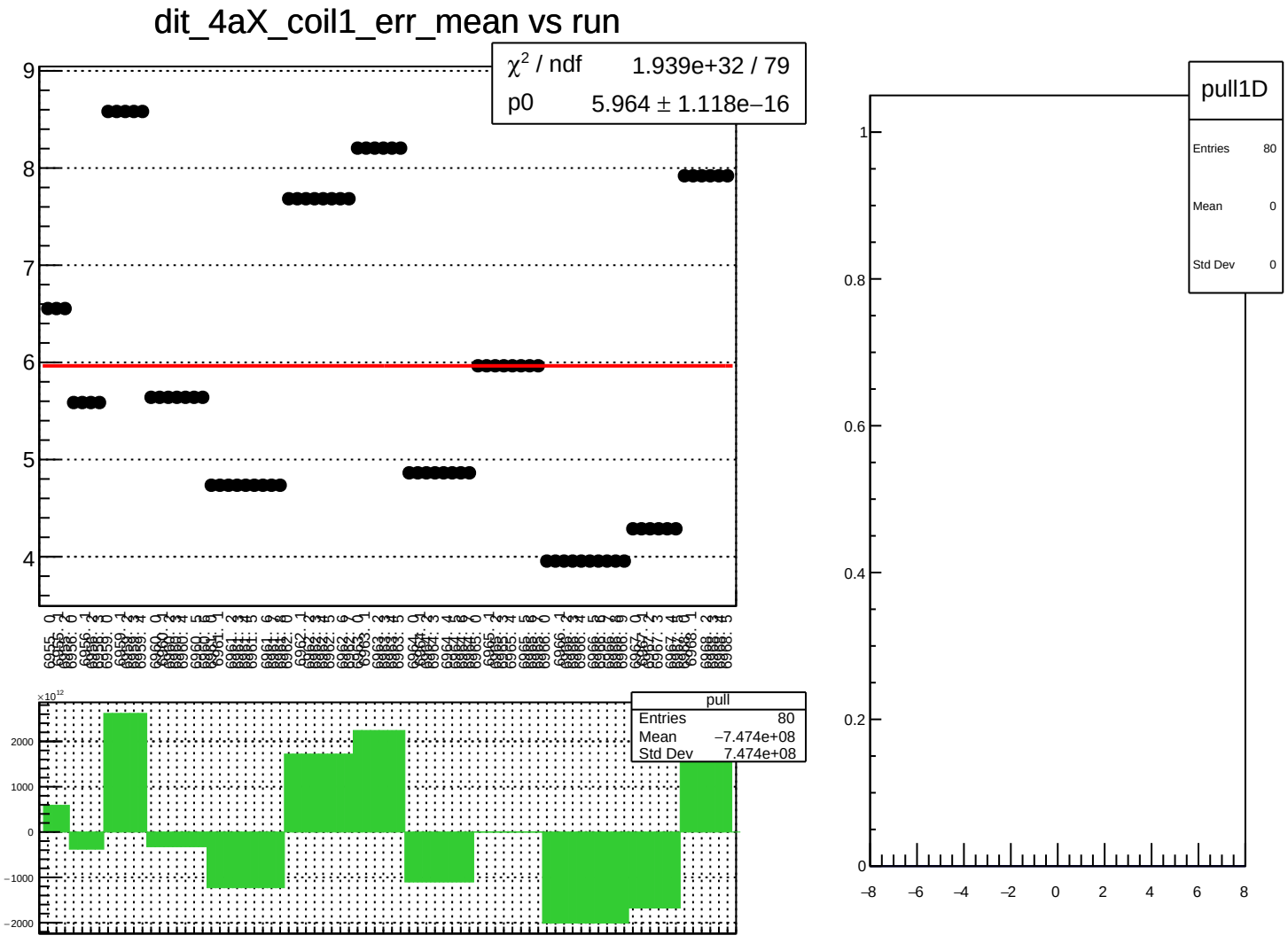

dit_sam8_11X12X_slope vs run
χ^2 / ndf 8.332e−28 / 79
p0 0.3524 ± 0.001923
0.37
0.365
0.36
0.355
0.35
0.345
0.34
0.335
pull
Entries 80
Mean 40
Std Dev 23.09
×10^−15
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 80
Mean 3.227e−15
Std Dev 9.904e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ^2 / ndf 5.836e−22 / 79
p0 −48.74 ± 0.004706
−48.7
−48.72
−48.74
−48.76
−48.78
pull
Entries 80
Mean 40
Std Dev 23.09
$\times 10^{-12}$
0
−0.5
−1
−1.5
−2
−2.5

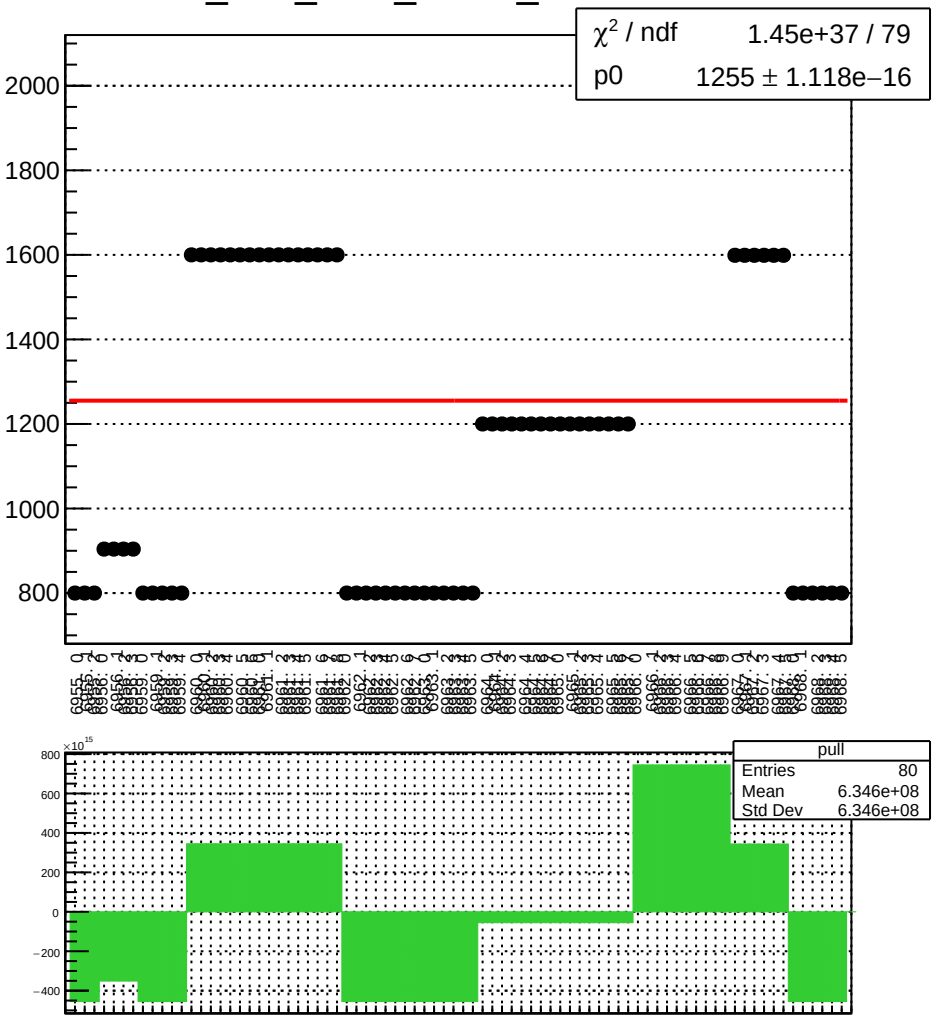

pull1D
Entries 80
Mean −2.701e−12
Std Dev 1.15e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

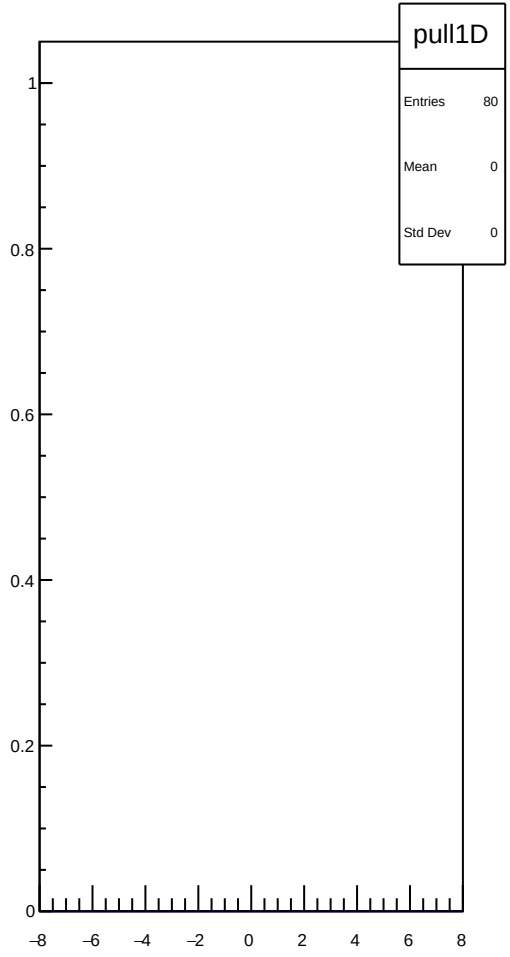

dit_sam8_4eY_slope vs run
χ² / ndf 6.134e−23 / 79
p0 54.42 ± 0.008165
54.5
54.48
54.46
54.44
54.42
54.4
54.38
54.36
54.34
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull1D
Entries 80
Mean −8.756e−13
Std Dev 2.143e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

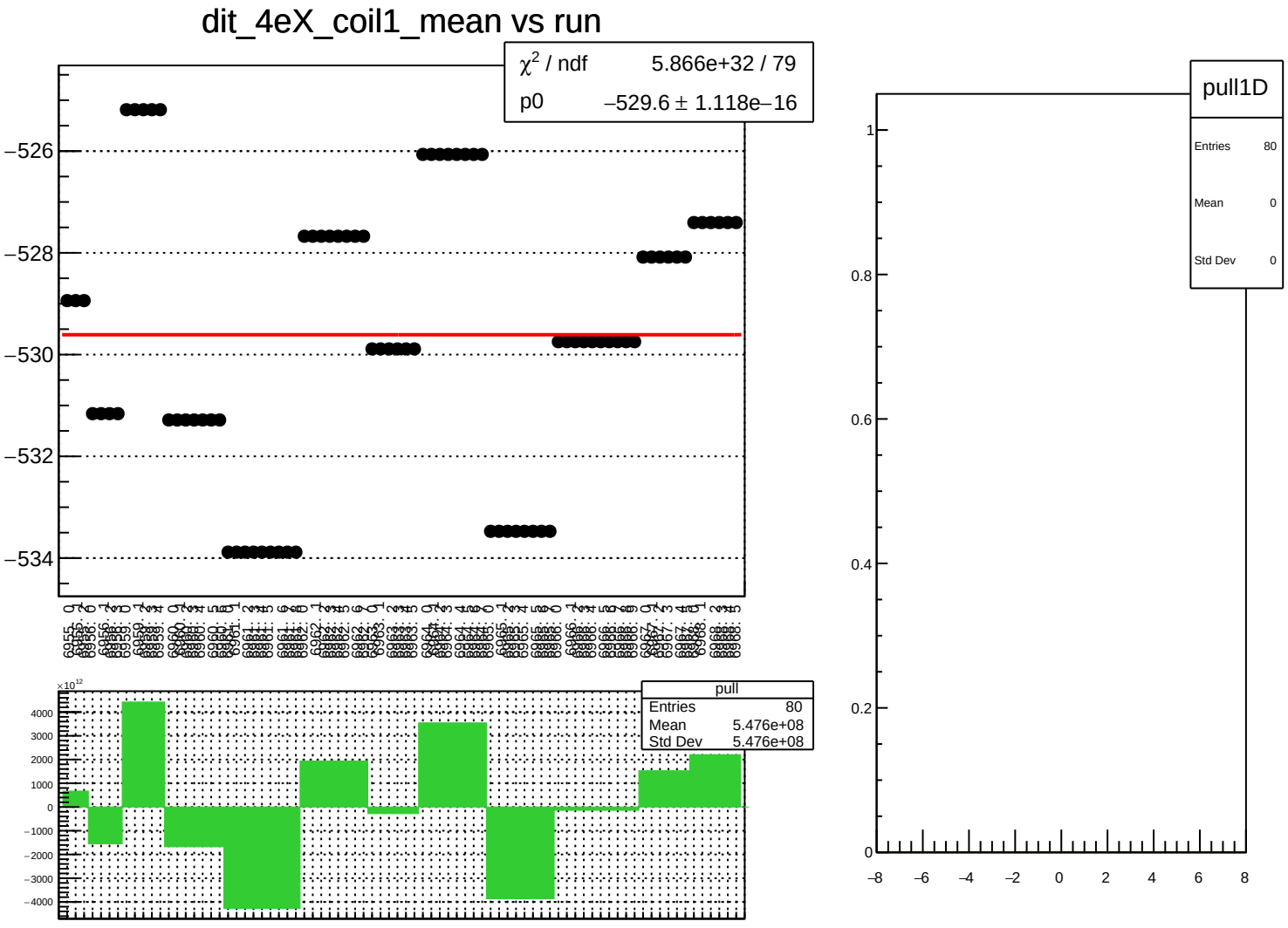

dit_4aX_coil1_mean vs run
χ² / ndf 6.315e+32 / 79
p0 −526.9 ± 1.118e−16
−522
−524
−526
−528
−530
−532
pull
Entries 80
Mean 1.434e+09
Std Dev 1.434e+09
×10¹²
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

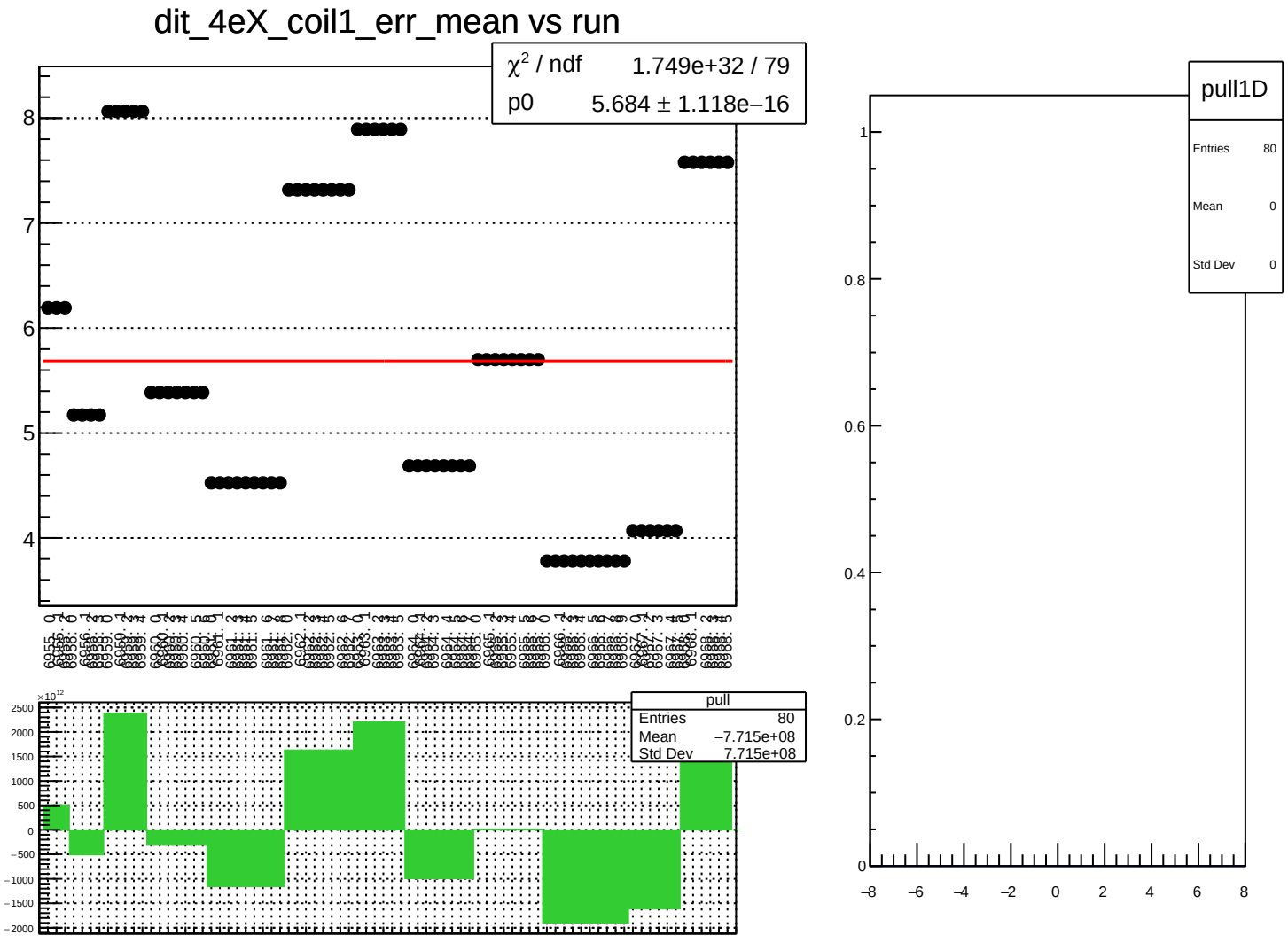

dit_4aX_coil1_err_mean vs run
χ^2 / ndf 1.939e+32 / 79
p0 5.964 ± 1.118e−16
pull
Entries 80
Mean −7.474e+08
Std Dev 7.474e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_4aX_coil1_Ndata_mean vs run

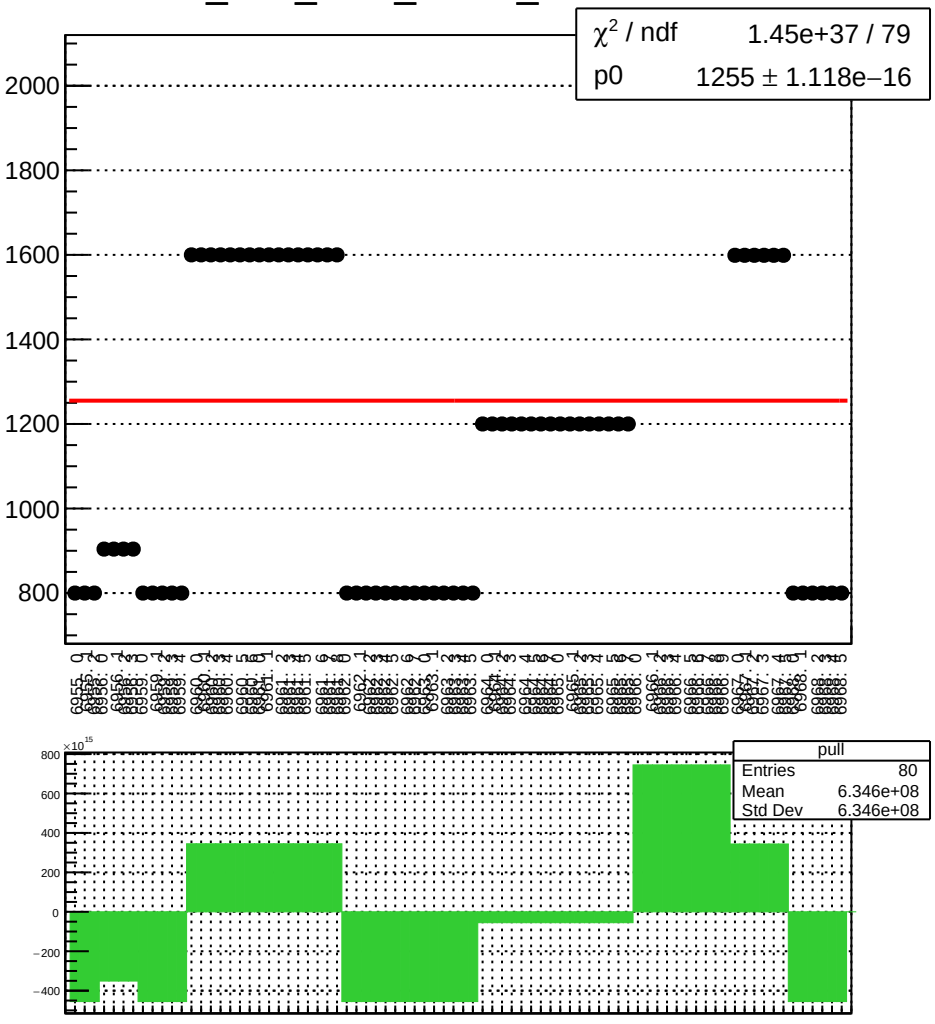


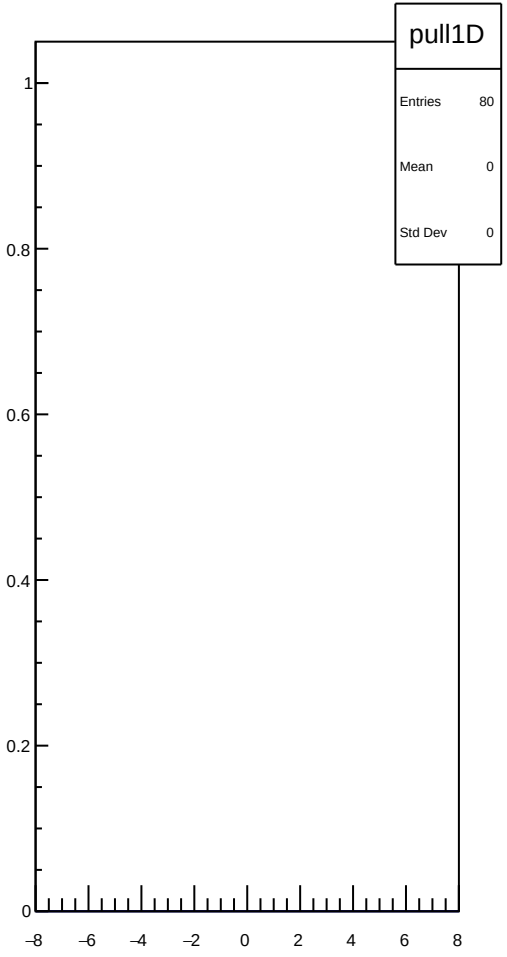


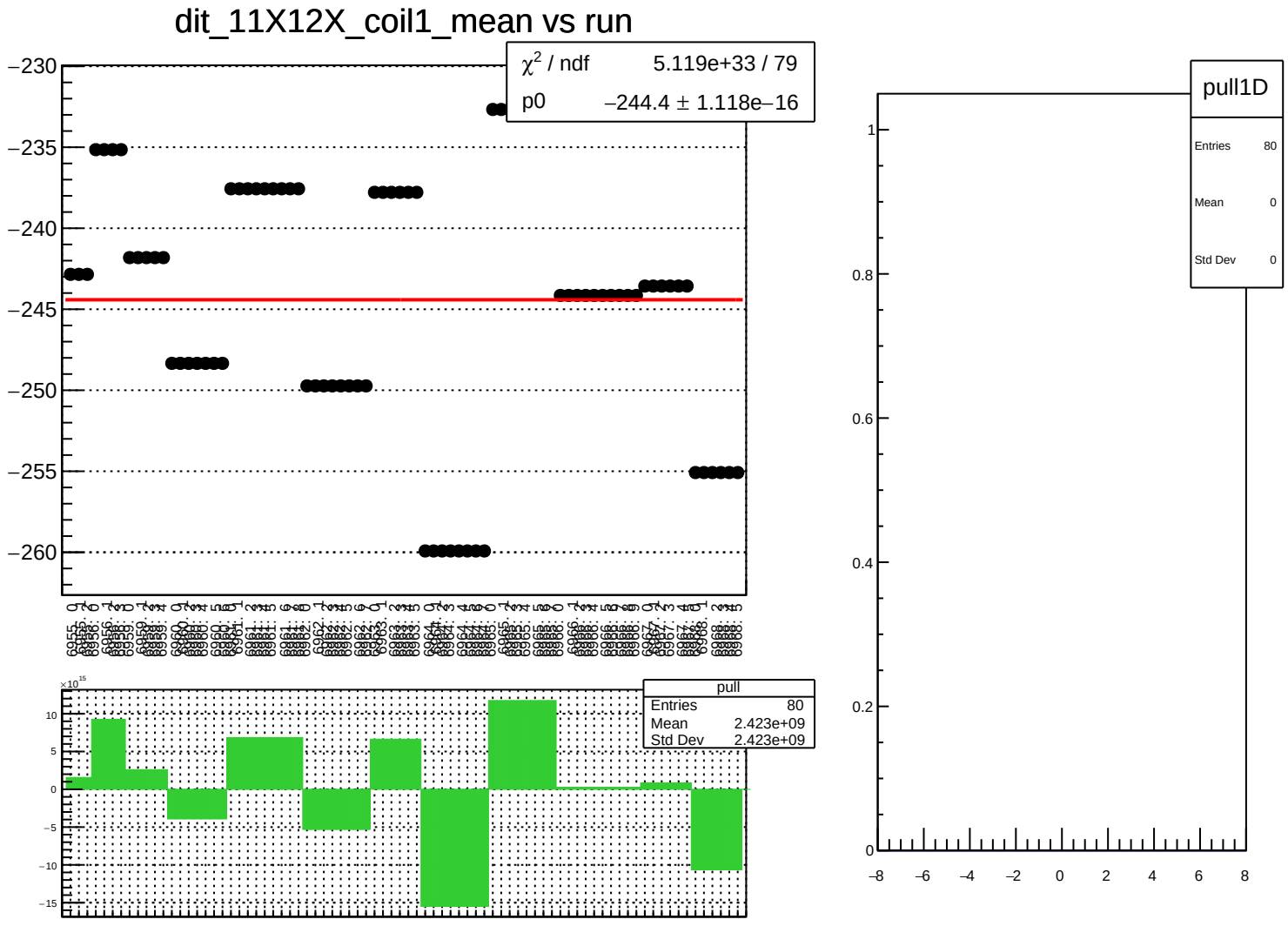

dit_4eX_coil1_mean vs run
χ² / ndf 5.866e+32 / 79
p0 −529.6 ± 1.118e−16
−526
−528
−530
−532
−534
pull
Entries 80
Mean 5.476e+08
Std Dev 5.476e+08
×10¹²
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eX_coil1_err_mean vs run
χ² / ndf 1.749e+32 / 79
p0 5.684 ± 1.118e−16
pull
Entries 80
Mean −7.715e+08
Std Dev 7.715e+08
pull1D
Entries 80
Mean 0
Std Dev 0

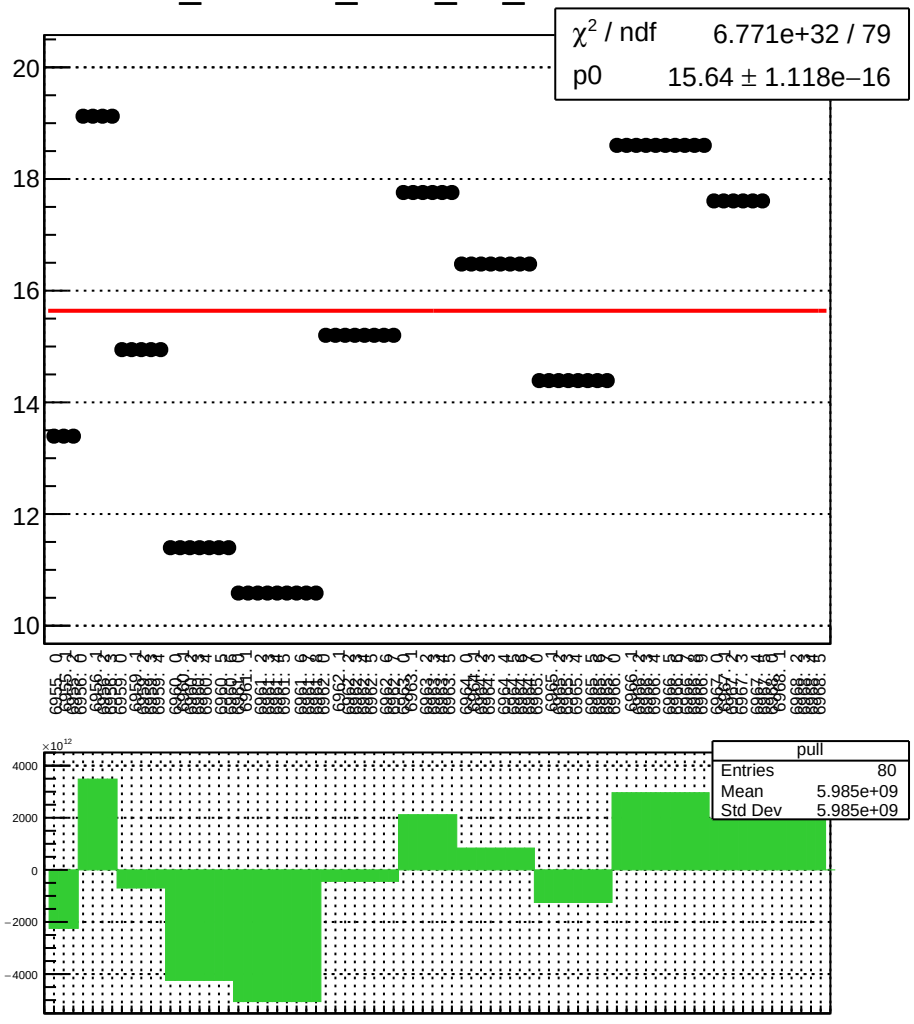
dit_4eX_coil1_Ndata_mean vs run

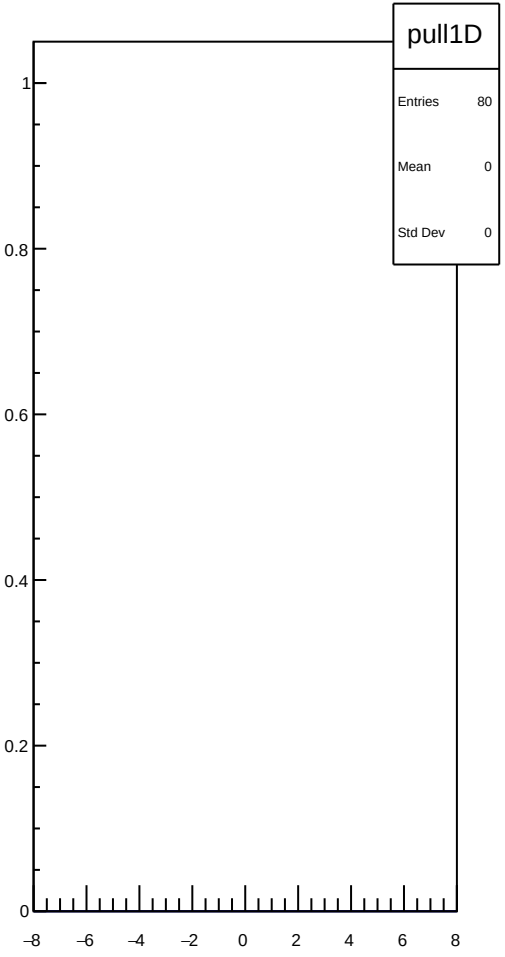




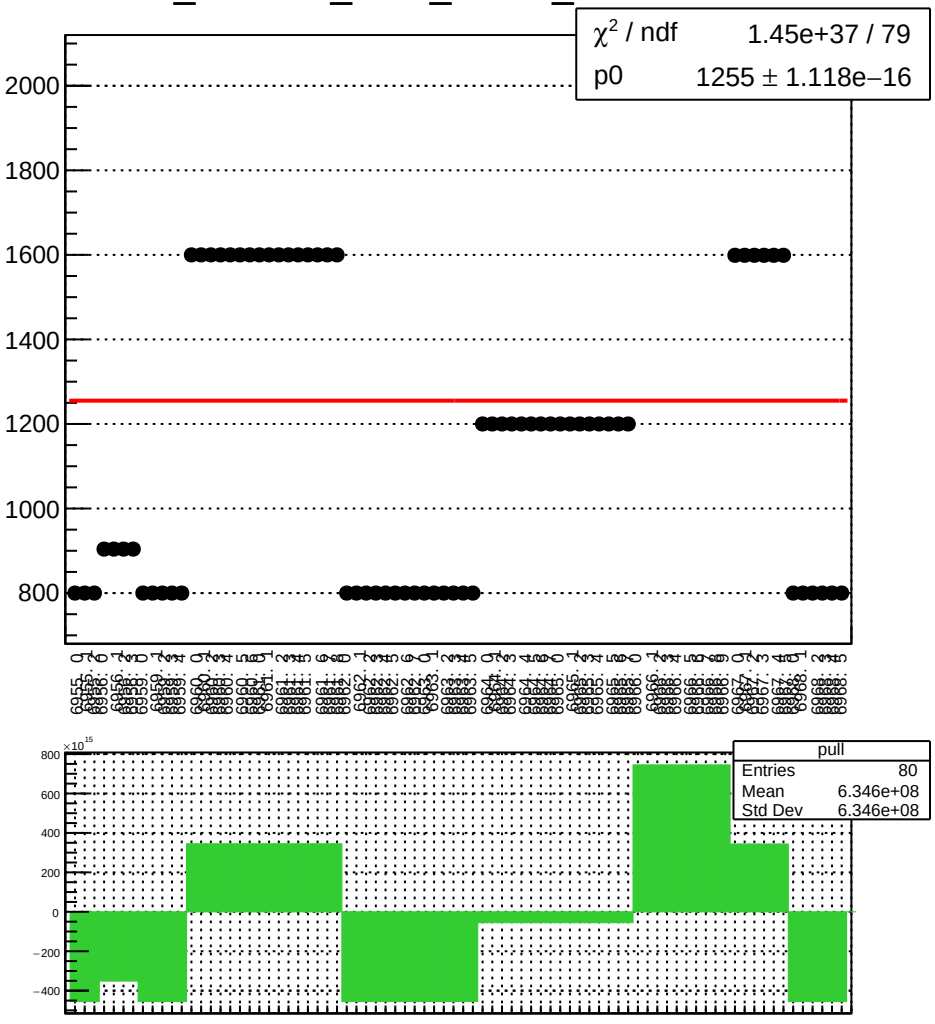

dit_11X12X_coil1_mean vs run
χ² / ndf 5.119e+33 / 79
p0 −244.4 ± 1.118e−16
pull
Entries 80
Mean 2.423e+09
Std Dev 2.423e+09
pull1D
Entries 80
Mean 0
Std Dev 0

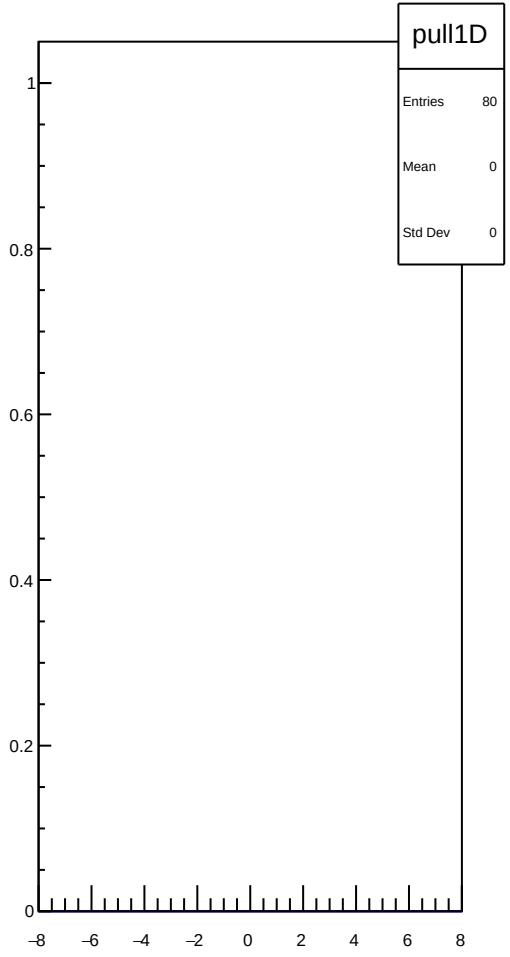
dit_11X12X_coil1_err_mean vs run

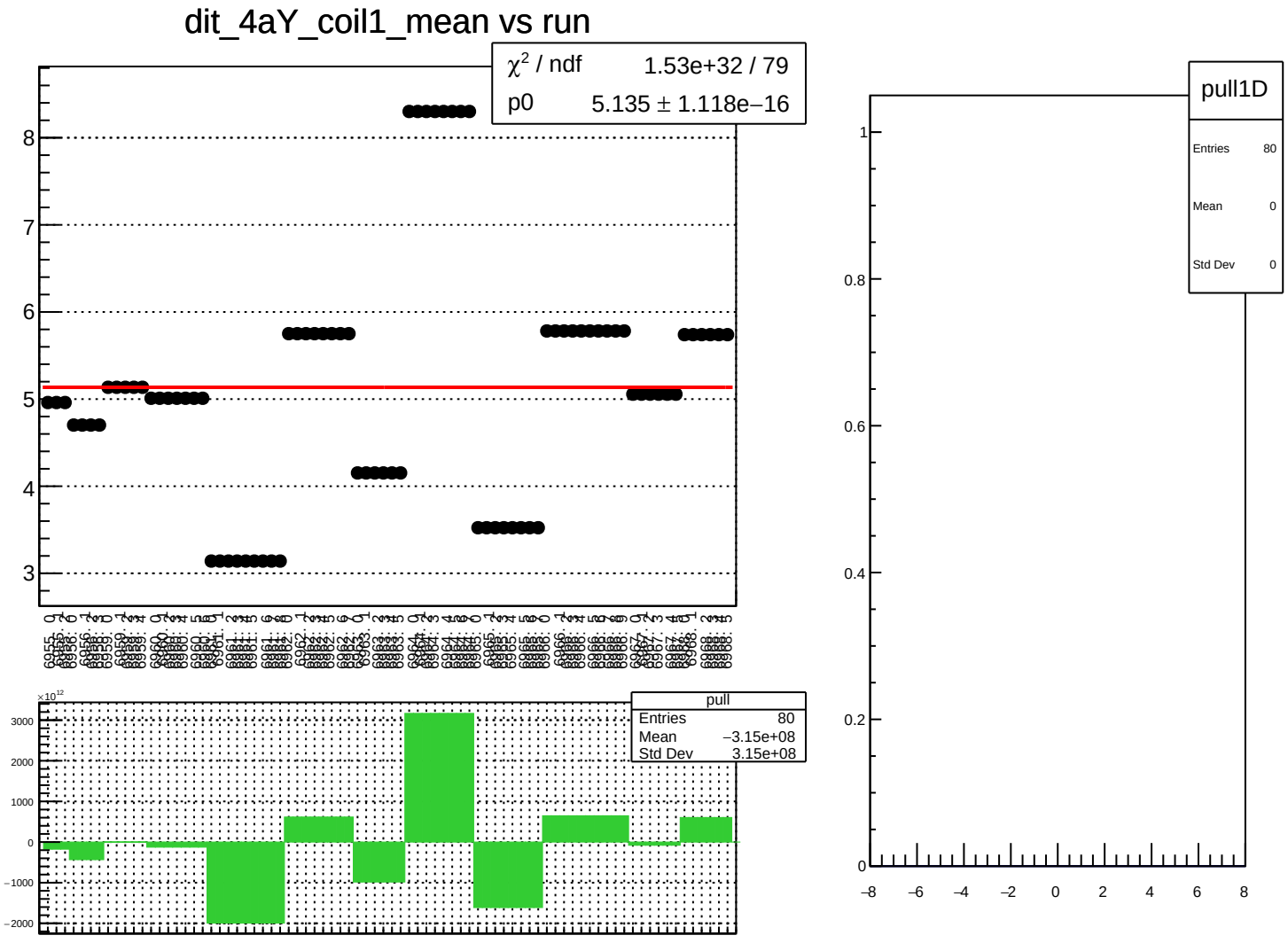


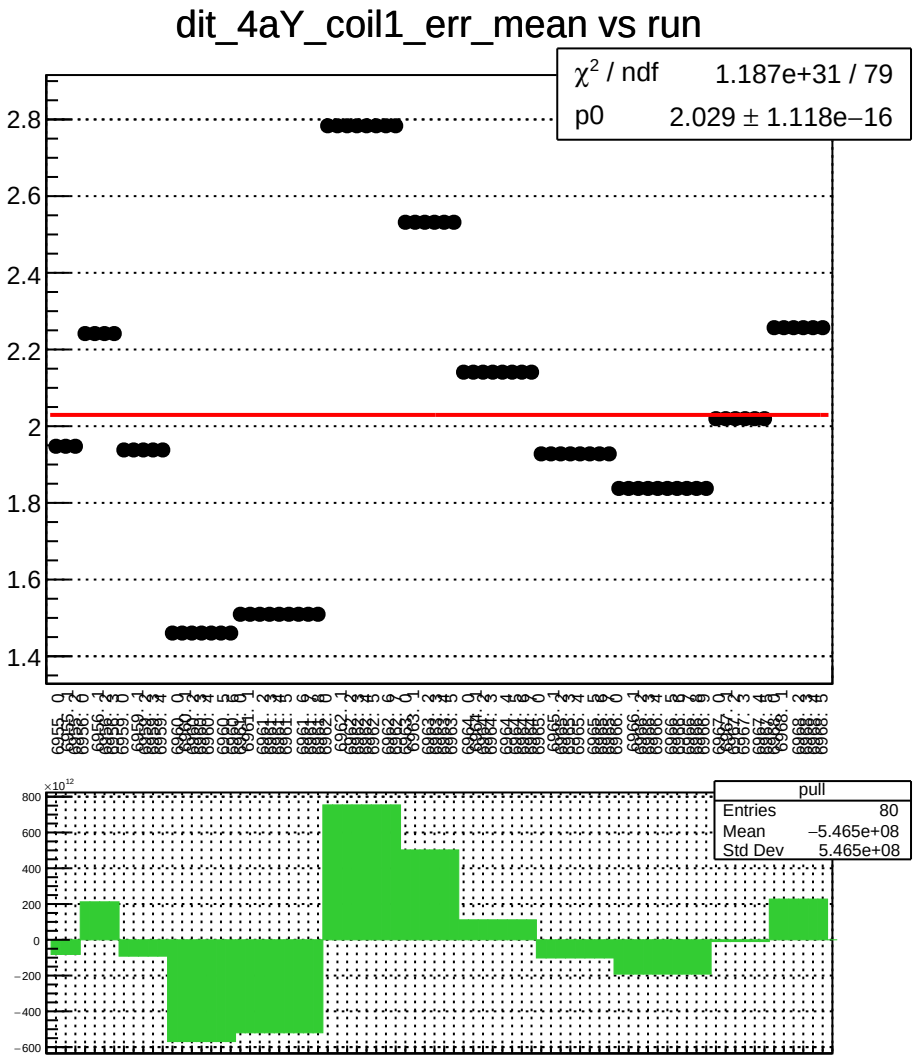


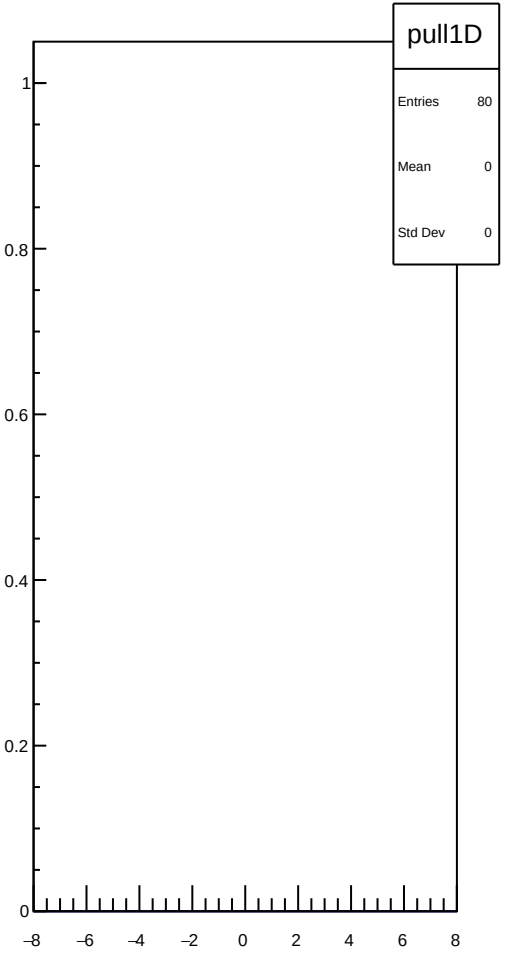
dit_11X12X_coil1_Ndata_mean vs run



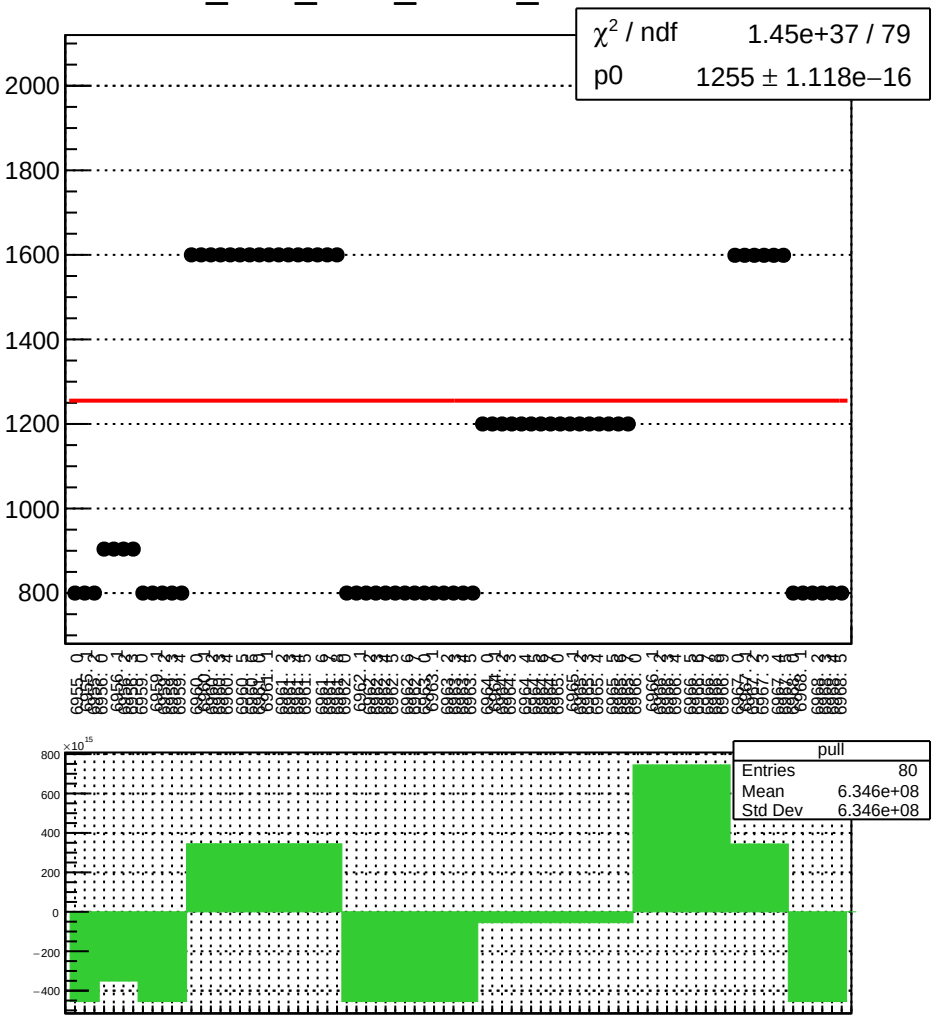


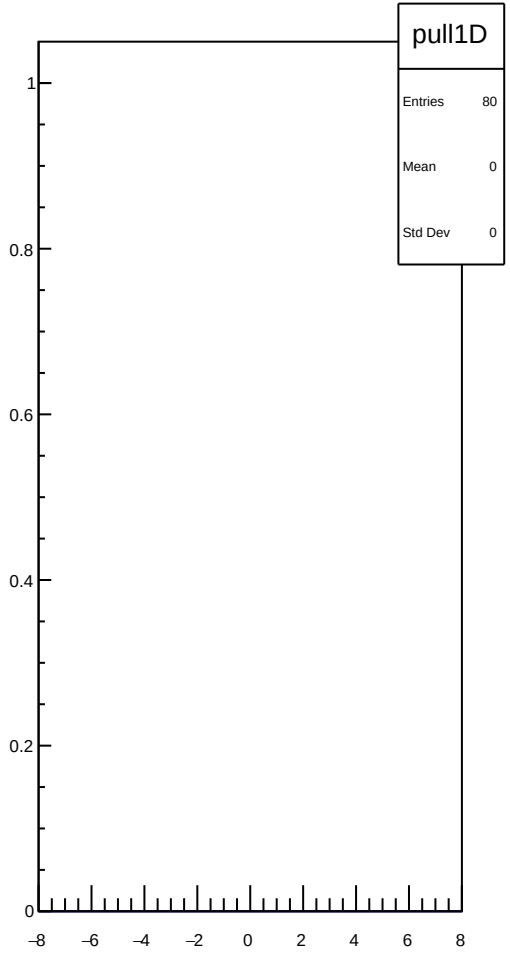

dit_4aY_coil1_mean vs run
χ² / ndf 1.53e+32 / 79
p0 5.135 ± 1.118e−16
pull
Entries 80
Mean −3.15e+08
Std Dev 3.15e+08
pull1D
Entries 80
Mean 0
Std Dev 0


dit_4aY_coil1_err_mean vs run
χ² / ndf 1.187e+31 / 79
p0 2.029 ± 1.118e−16
pull
Entries 80
Mean −5.465e+08
Std Dev 5.465e+08

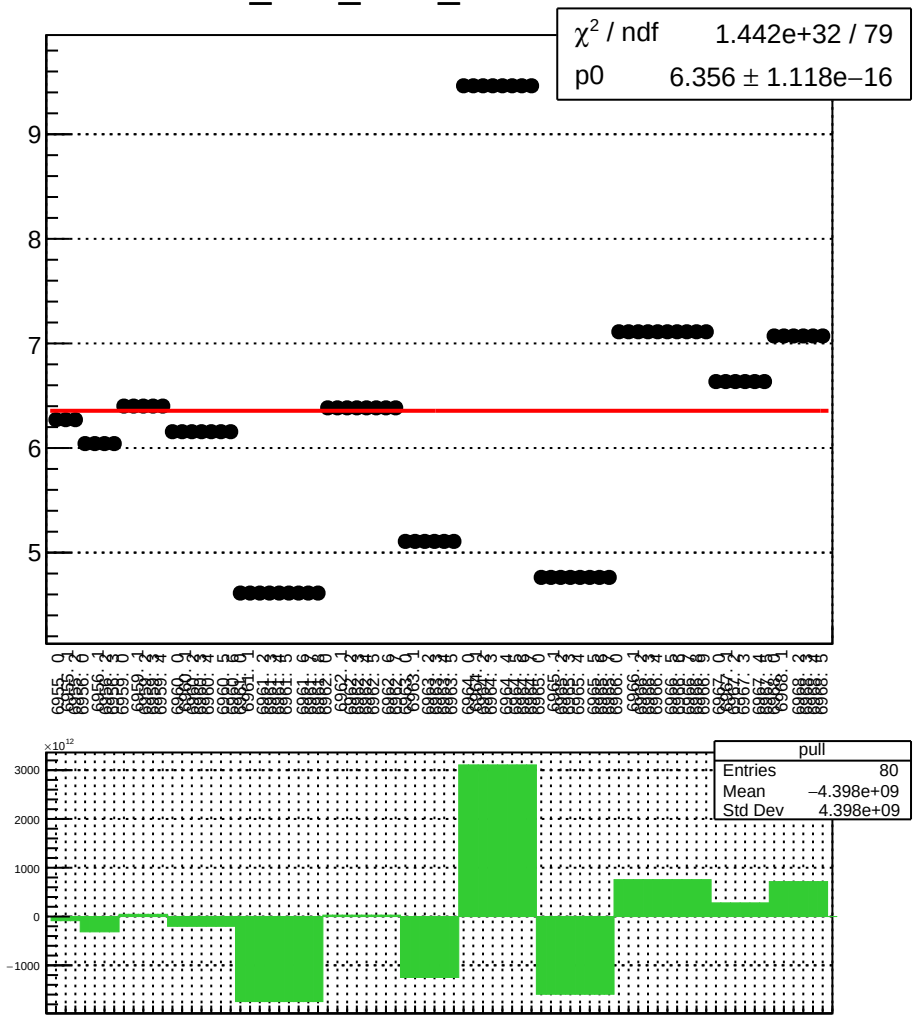

pull1D
Entries 80
Mean 0
Std Dev 0

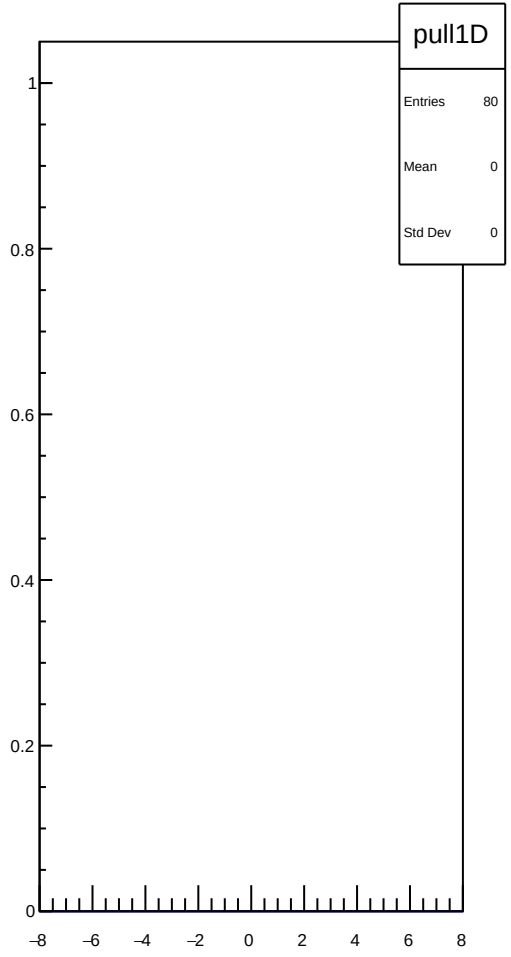
dit_4aY_coil1_Ndata_mean vs run

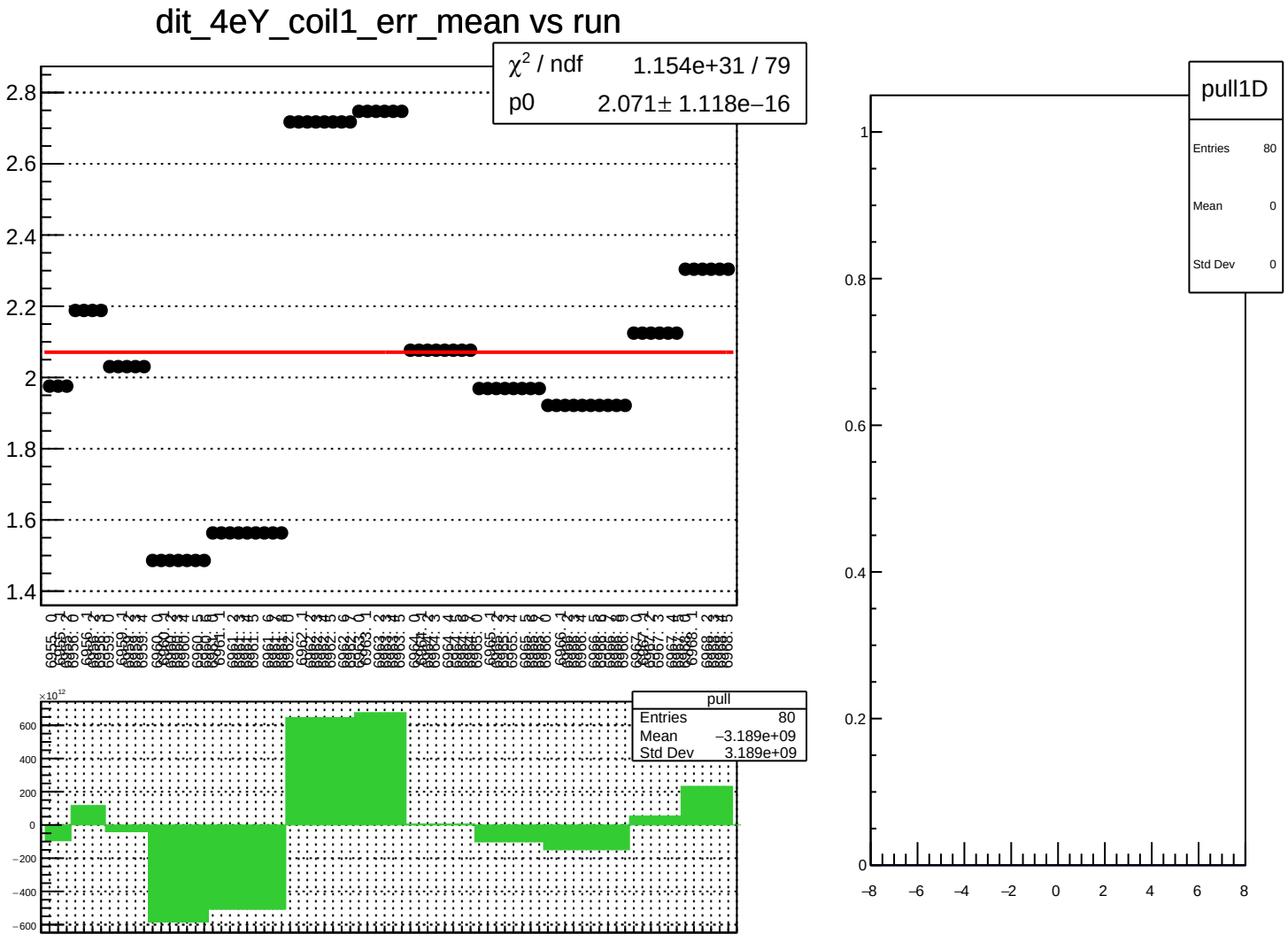




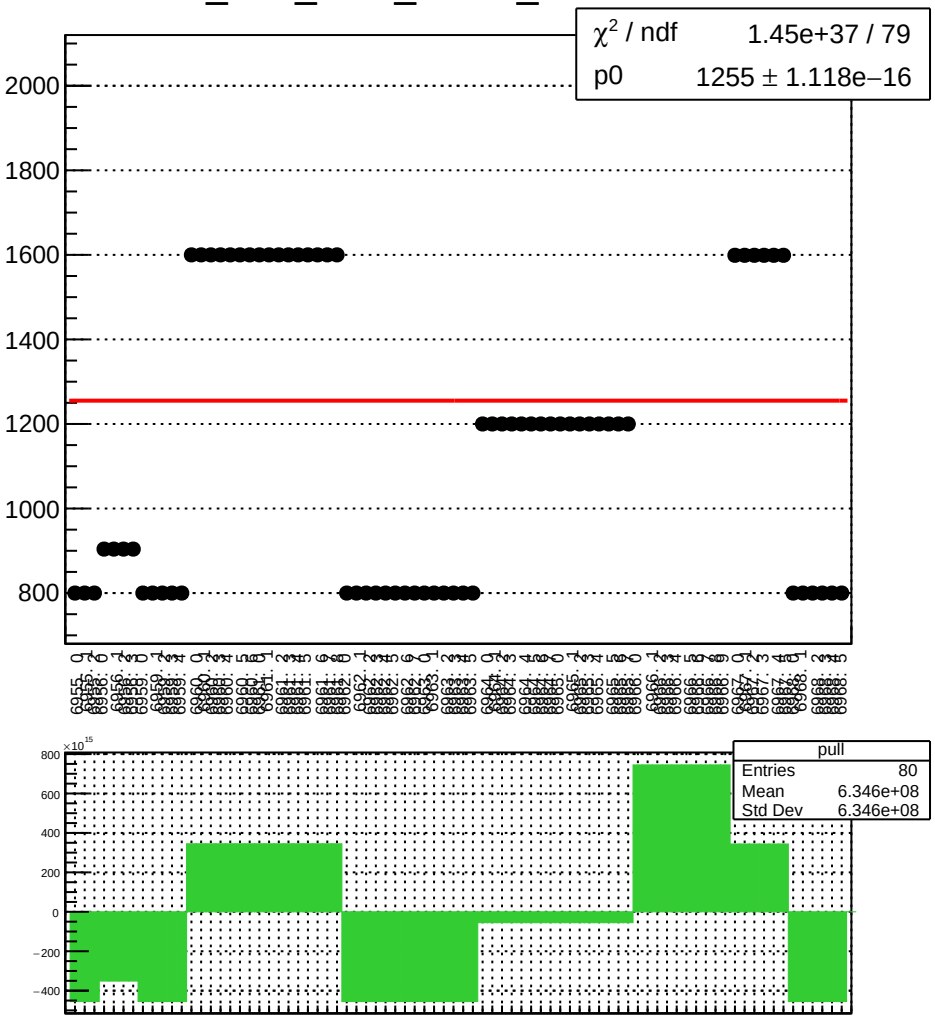
dit_4eY_coil1_mean vs run

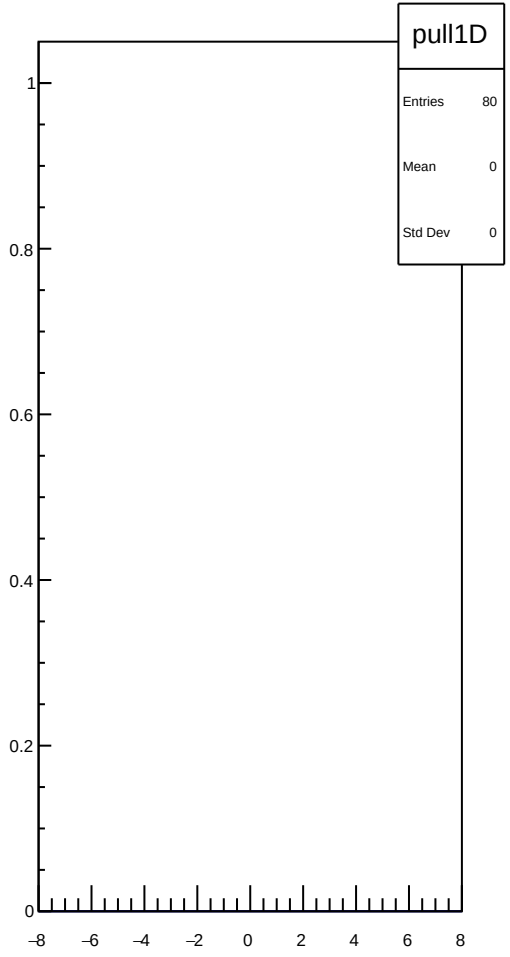


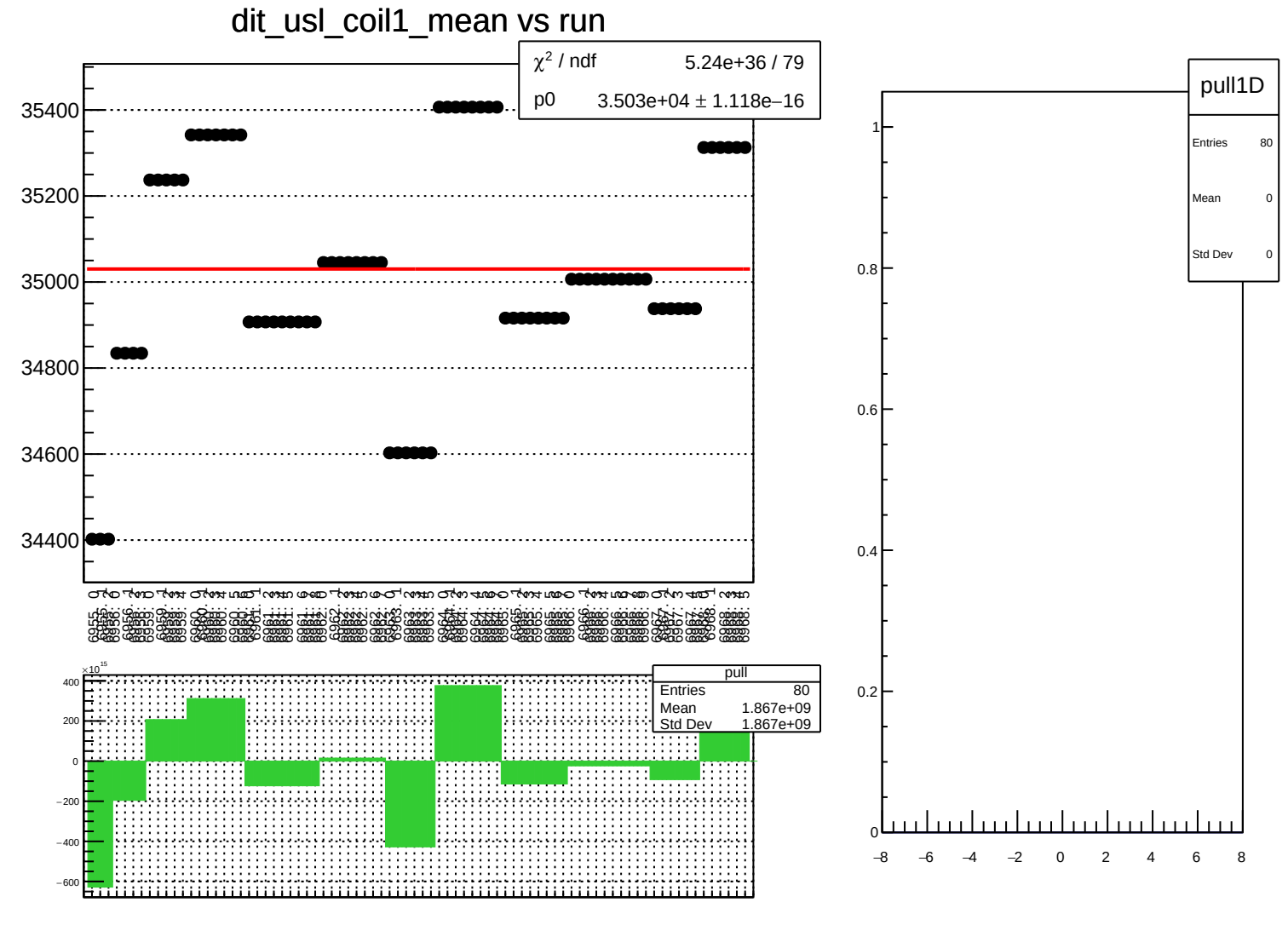


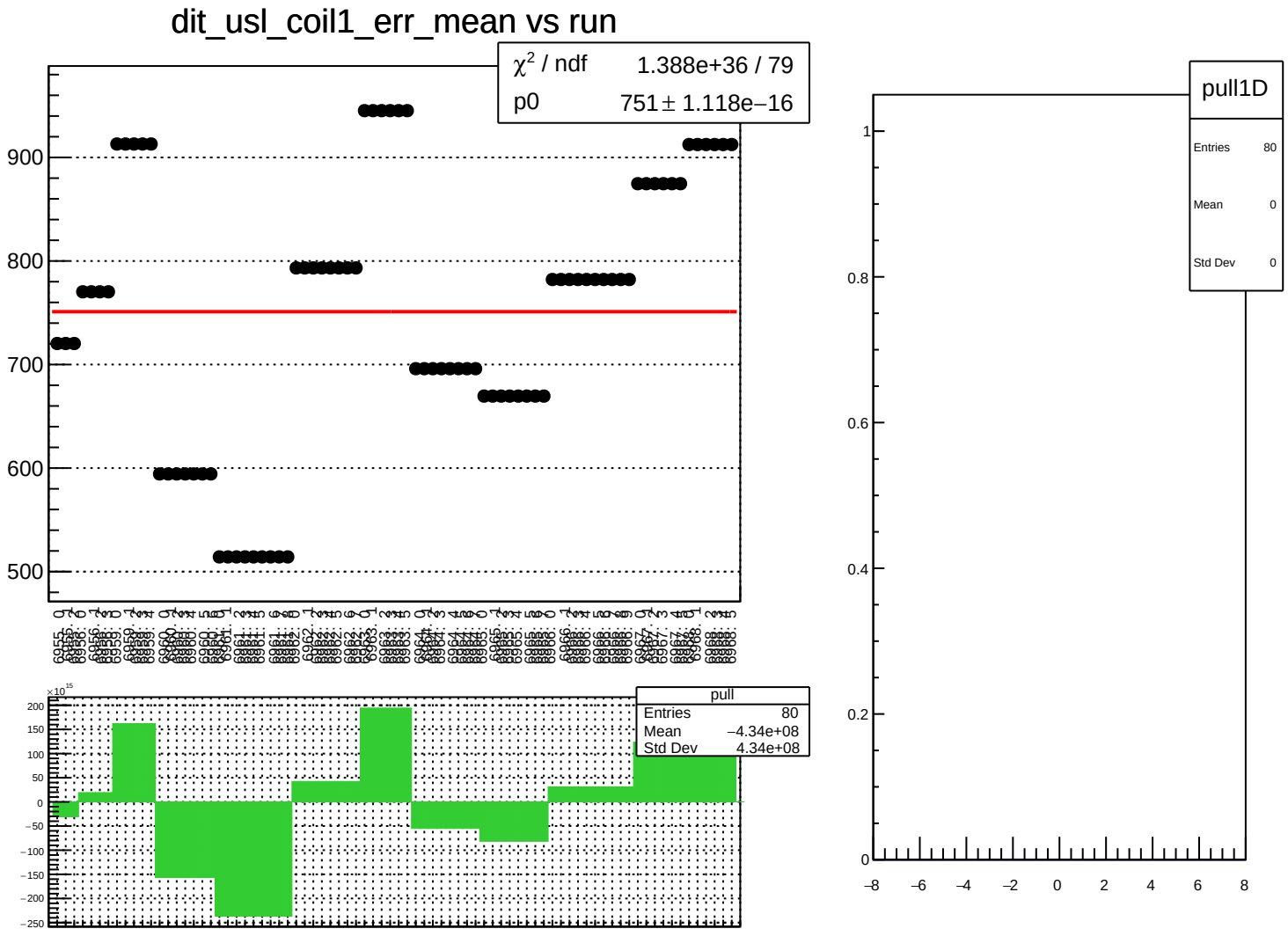

dit_4eY_coil1_err_mean vs run
χ² / ndf 1.154e+31 / 79
p0 2.071± 1.118e−16
pull
Entries 80
Mean −3.189e+09
Std Dev 3.189e+09
pull1D
Entries 80
Mean 0
Std Dev 0

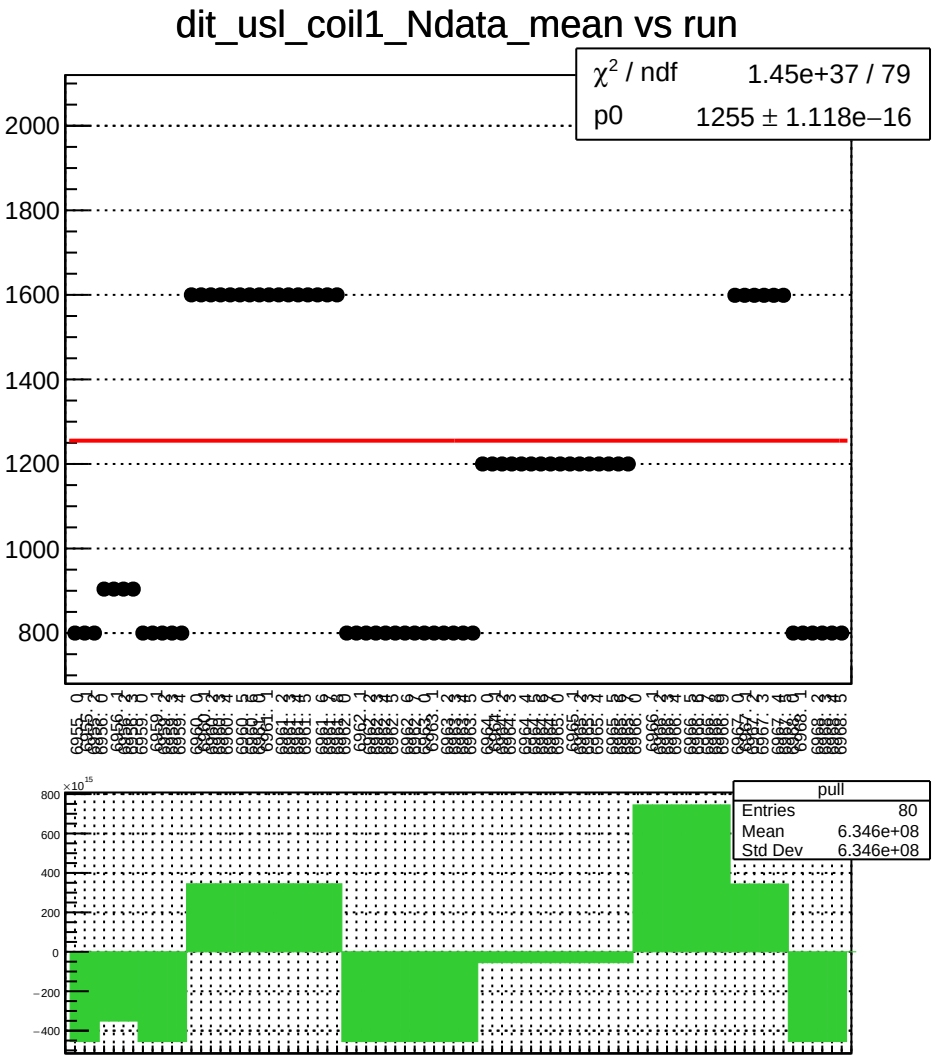
dit_4eY_coil1_Ndata_mean vs run

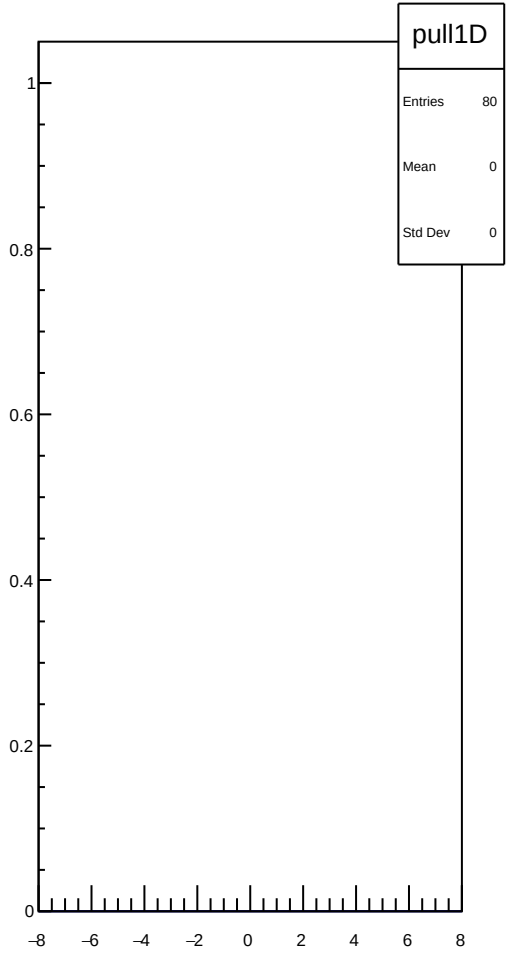


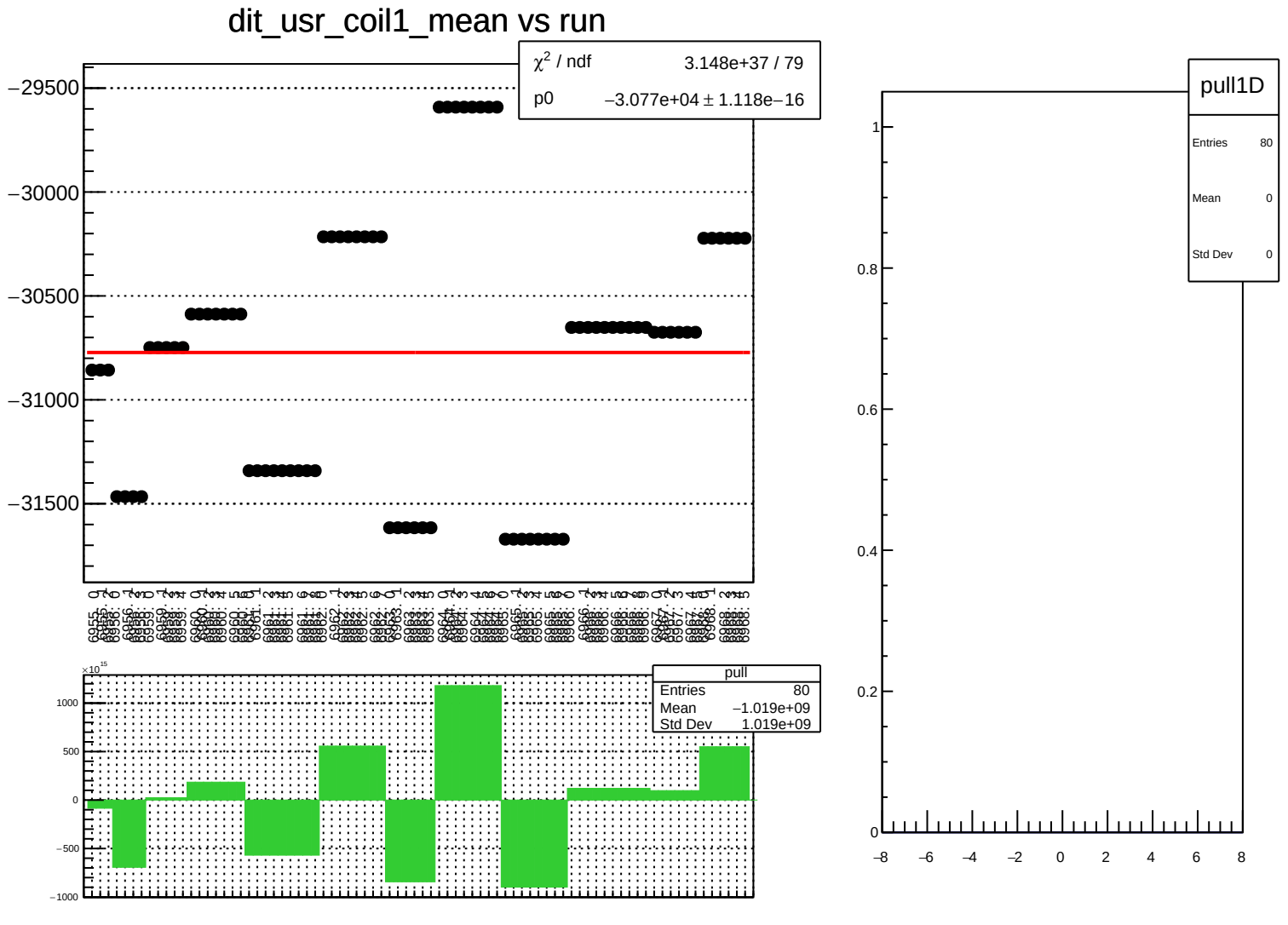


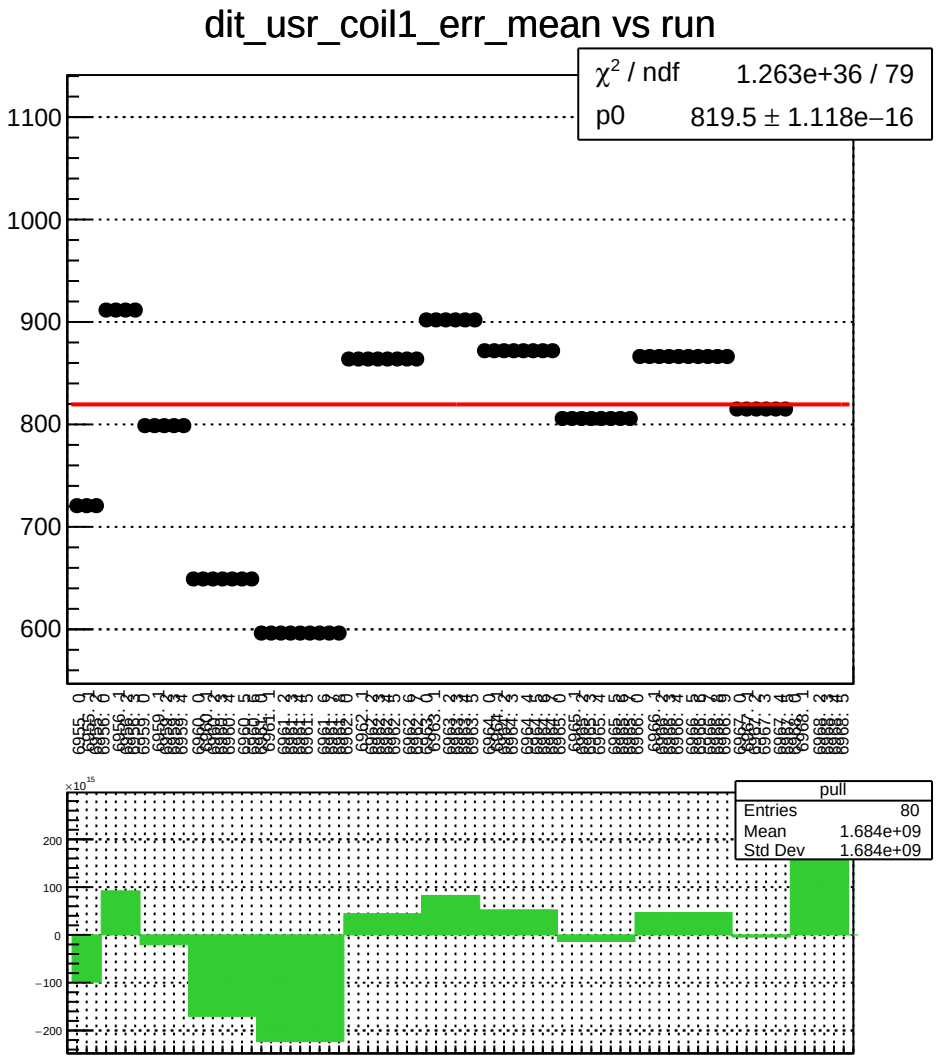

dit_usl_coil1_mean vs run
χ² / ndf 5.24e+36 / 79
p0 3.503e+04 ± 1.118e−16
35400
35200
35000
34800
34600
34400
pull
Entries 80
Mean 1.867e+09
Std Dev 1.867e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

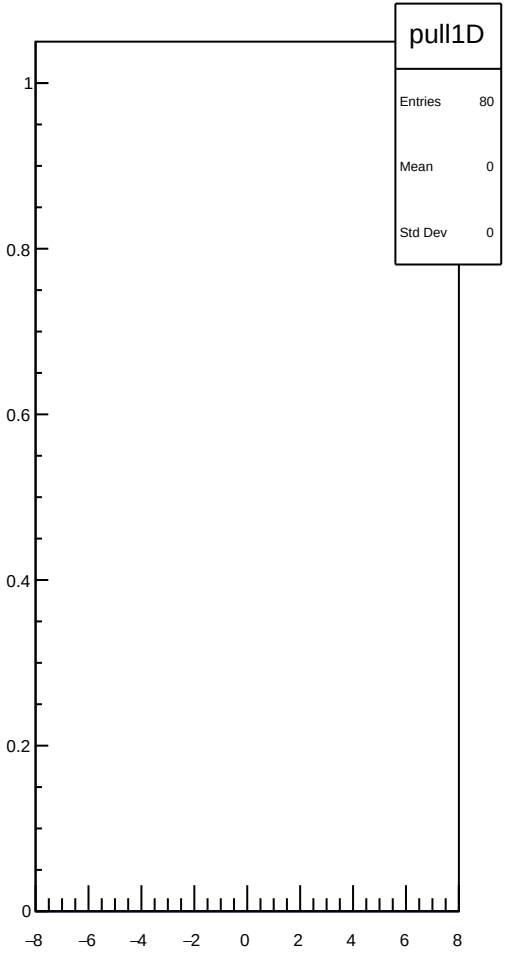

dit_usl_coil1_err_mean vs run
χ² / ndf 1.388e+36 / 79
p0 751 ± 1.118e−16
900
800
700
600
500
pull
Entries 80
Mean −4.34e+08
Std Dev 4.34e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

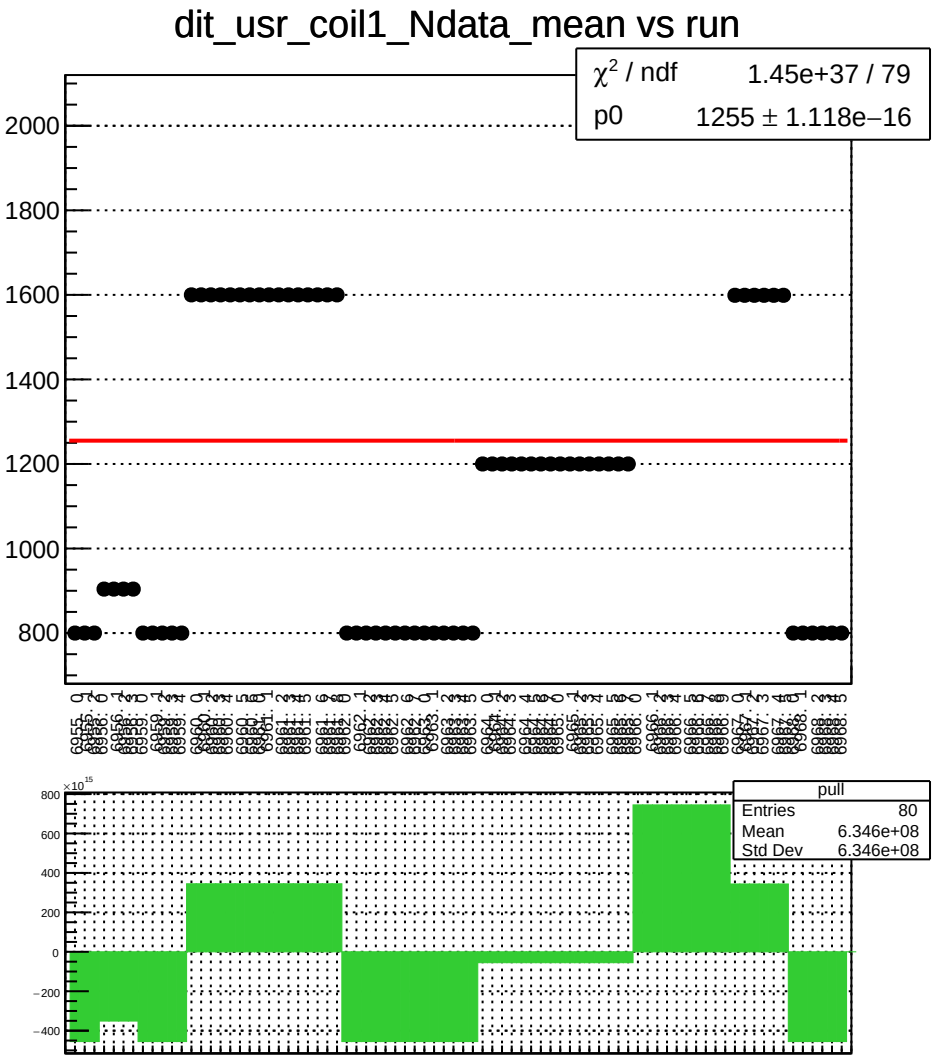

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10¹⁵
800
600
400
200
0
−200
−400

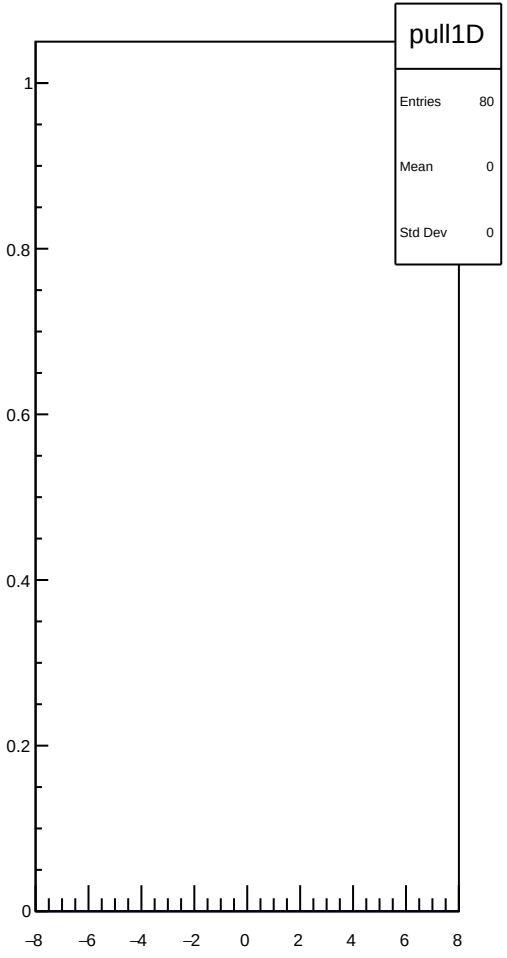

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

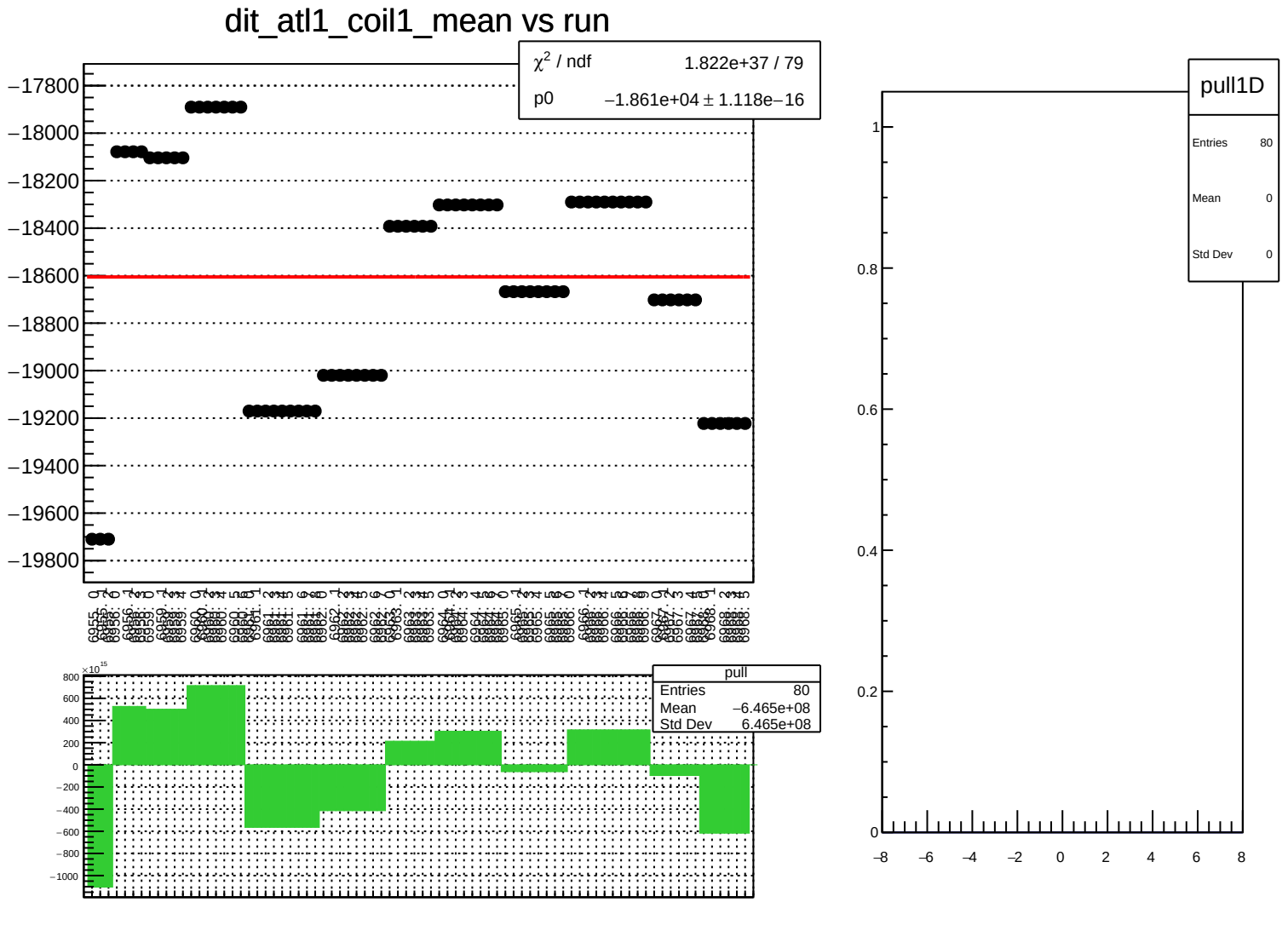

dit_usr_coil1_mean vs run
χ² / ndf 3.148e+37 / 79
p0 −3.077e+04 ± 1.118e−16
−29500
−30000
−30500
−31000
−31500
pull
Entries 80
Mean −1.019e+09
Std Dev 1.019e+09
×10^15
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

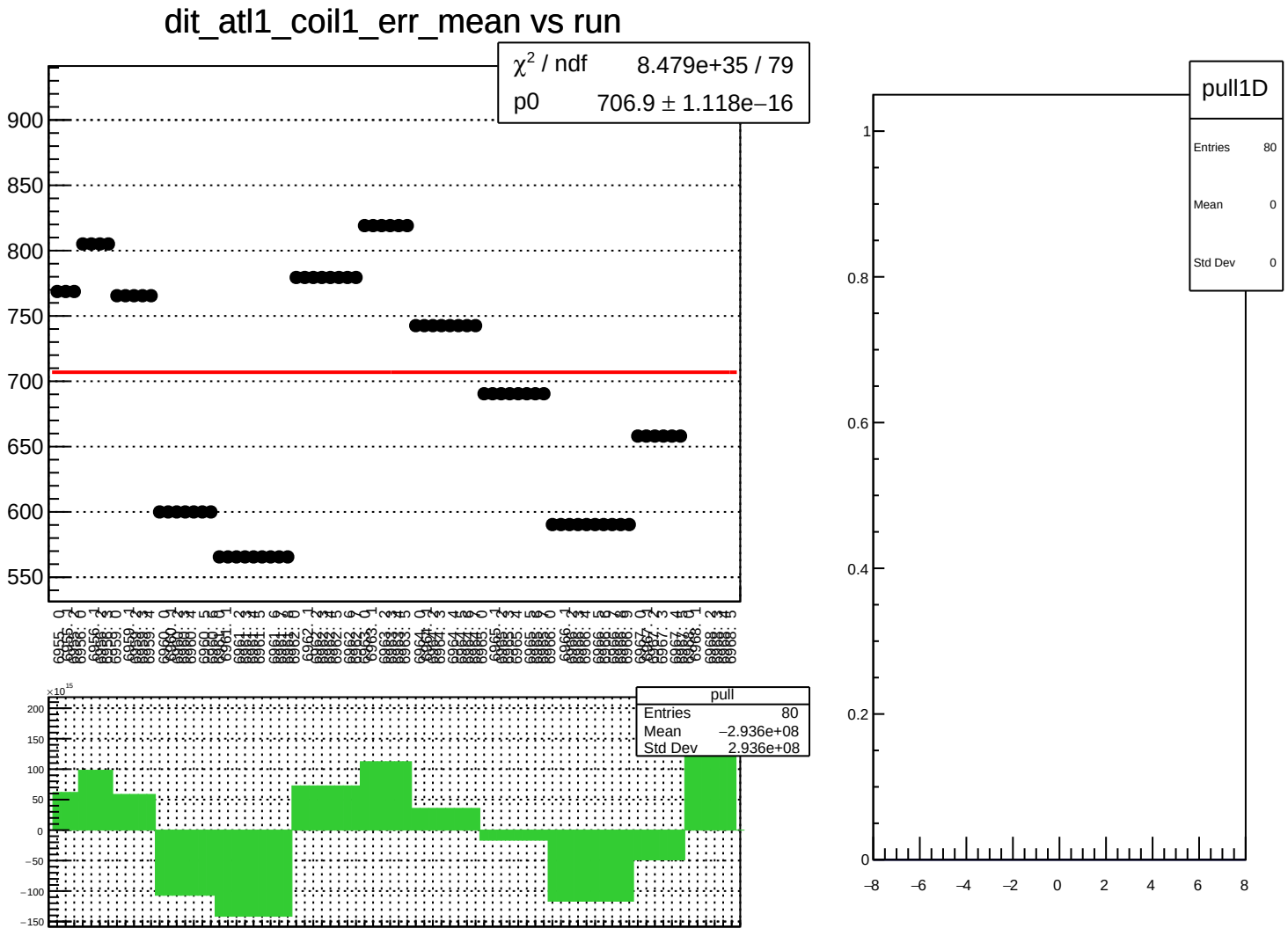

dit_usr_coil1_err_mean vs run
χ^2 / ndf 1.263e+36 / 79
p0 819.5 ± 1.118e−16
1100
1000
900
800
700
600
pull
Entries 80
Mean 1.684e+09
Std Dev 1.684e+09
×10^15
200
100
0
−100
−200

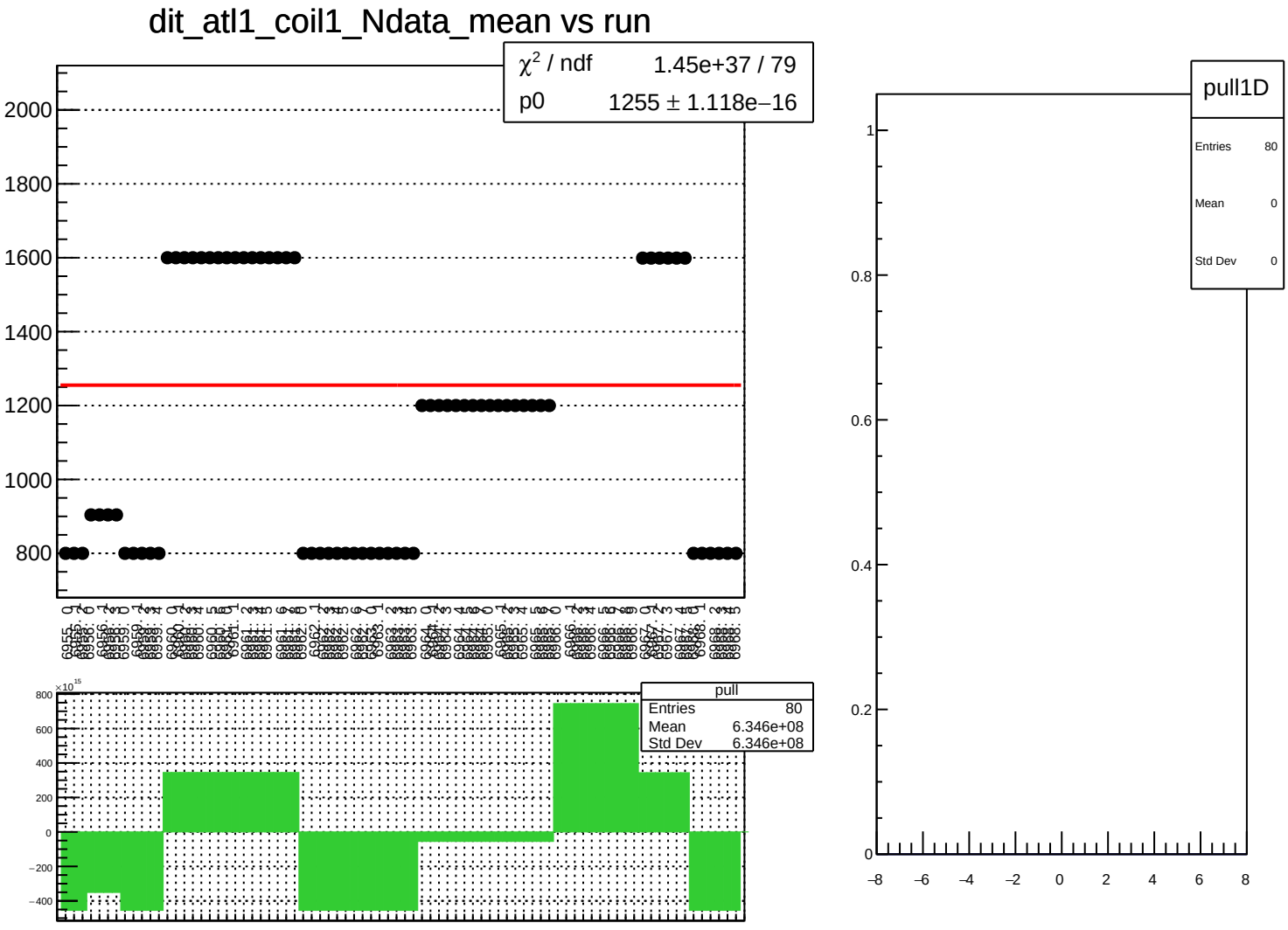

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

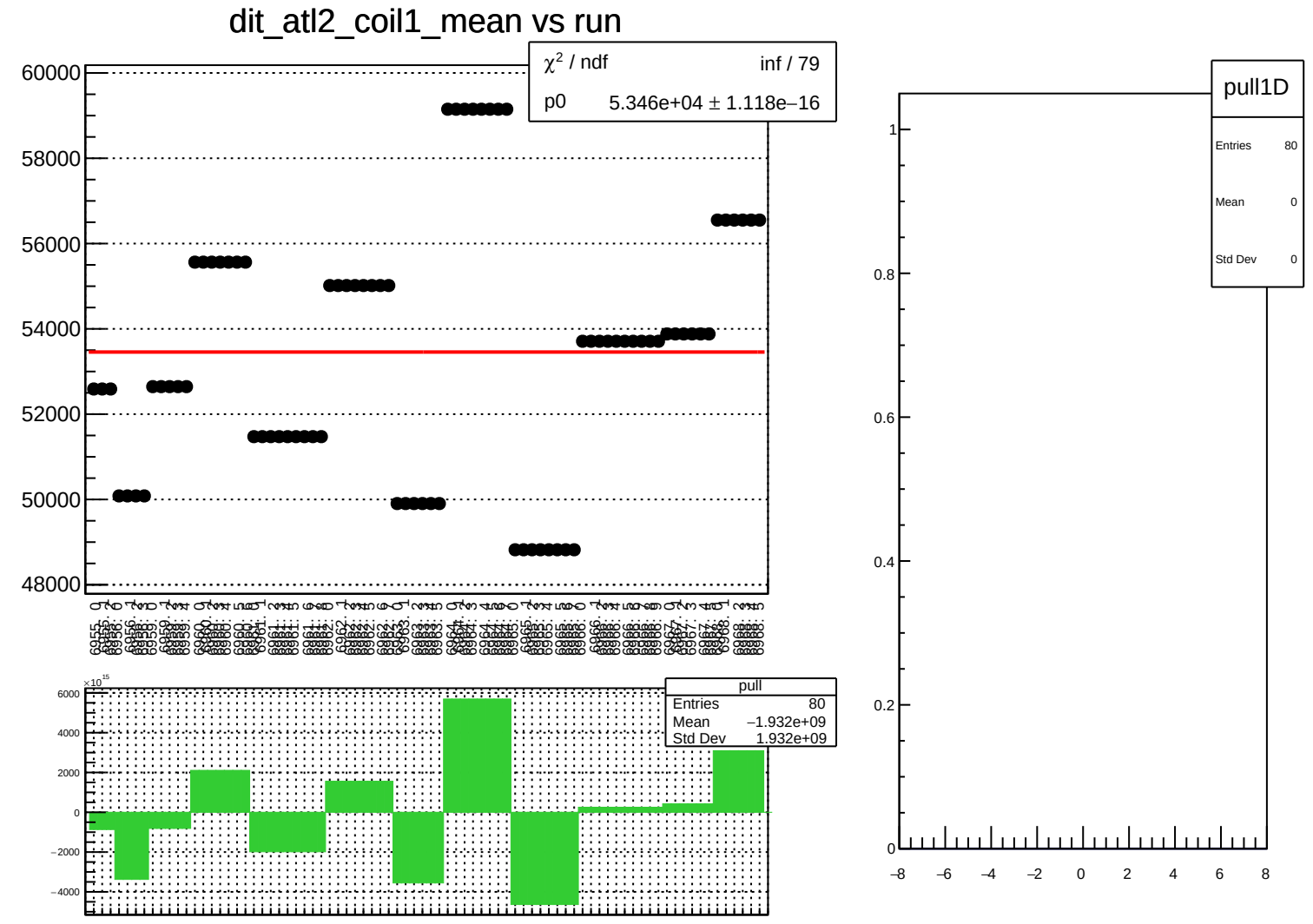

dit_usr_coil1_Ndata_mean vs run
χ^2 / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
800
600
400
200
0
−200
−400
×10^15


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

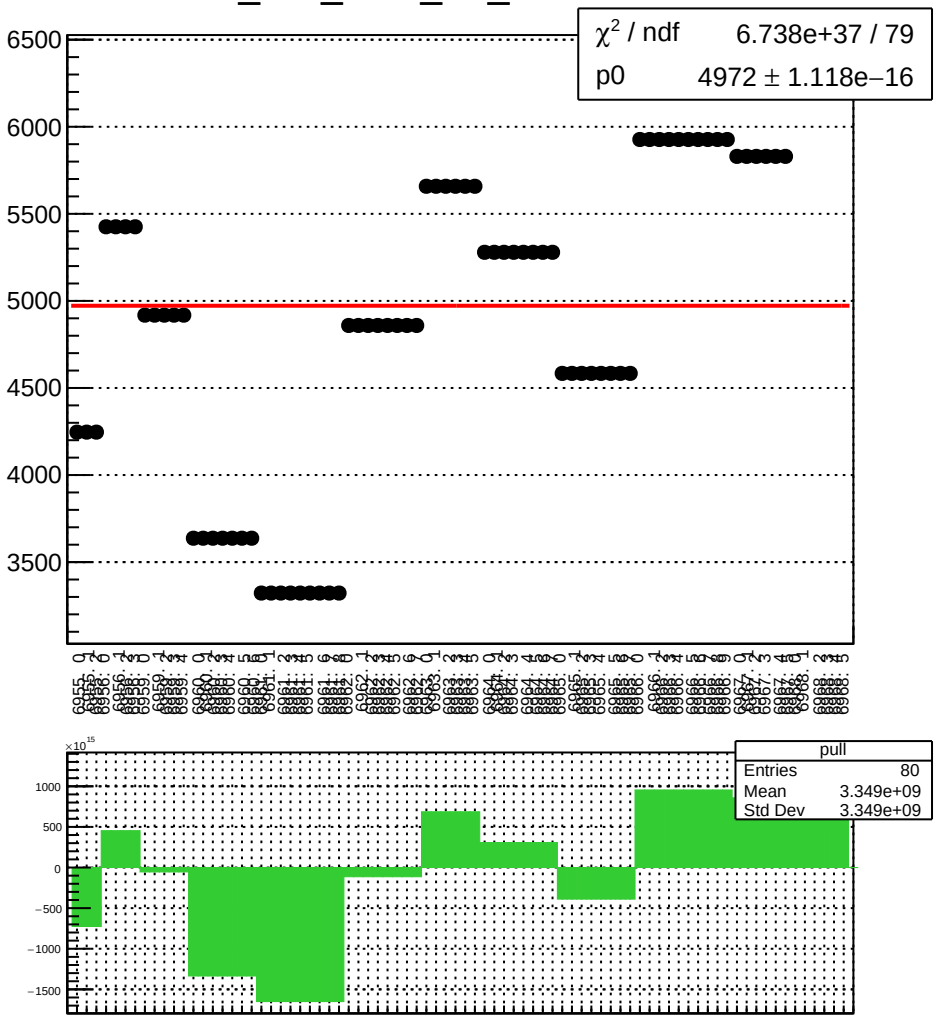

dit_atl1_coil1_mean vs run
χ² / ndf 1.822e+37 / 79
p0 −1.861e+04 ± 1.118e−16
pull
Entries 80
Mean −6.465e+08
Std Dev 6.465e+08
pull1D
Entries 80
Mean 0
Std Dev 0

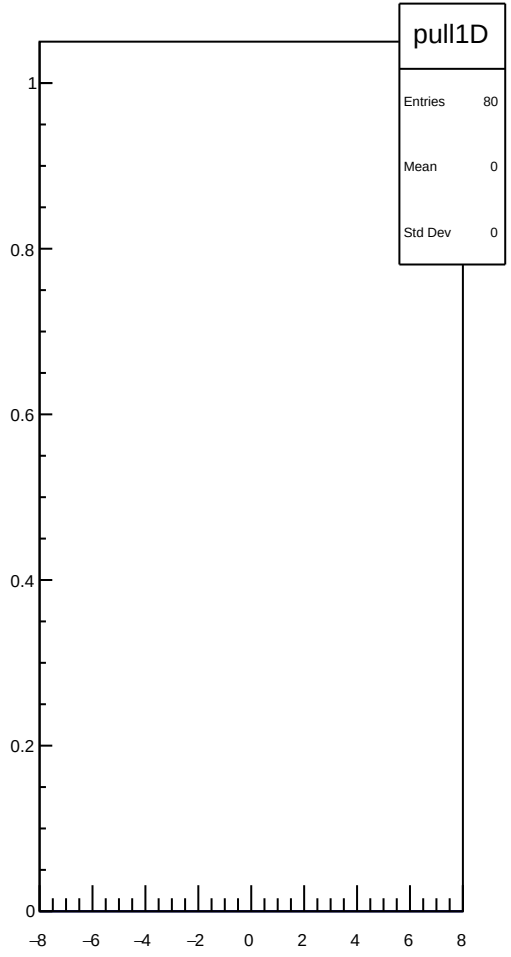

dit_atl1_coil1_err_mean vs run
χ² / ndf 8.479e+35 / 79
p0 706.9 ± 1.118e−16
900
850
800
750
700
650
600
550
pull
Entries 80
Mean −2.936e+08
Std Dev 2.936e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10¹⁵
800
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

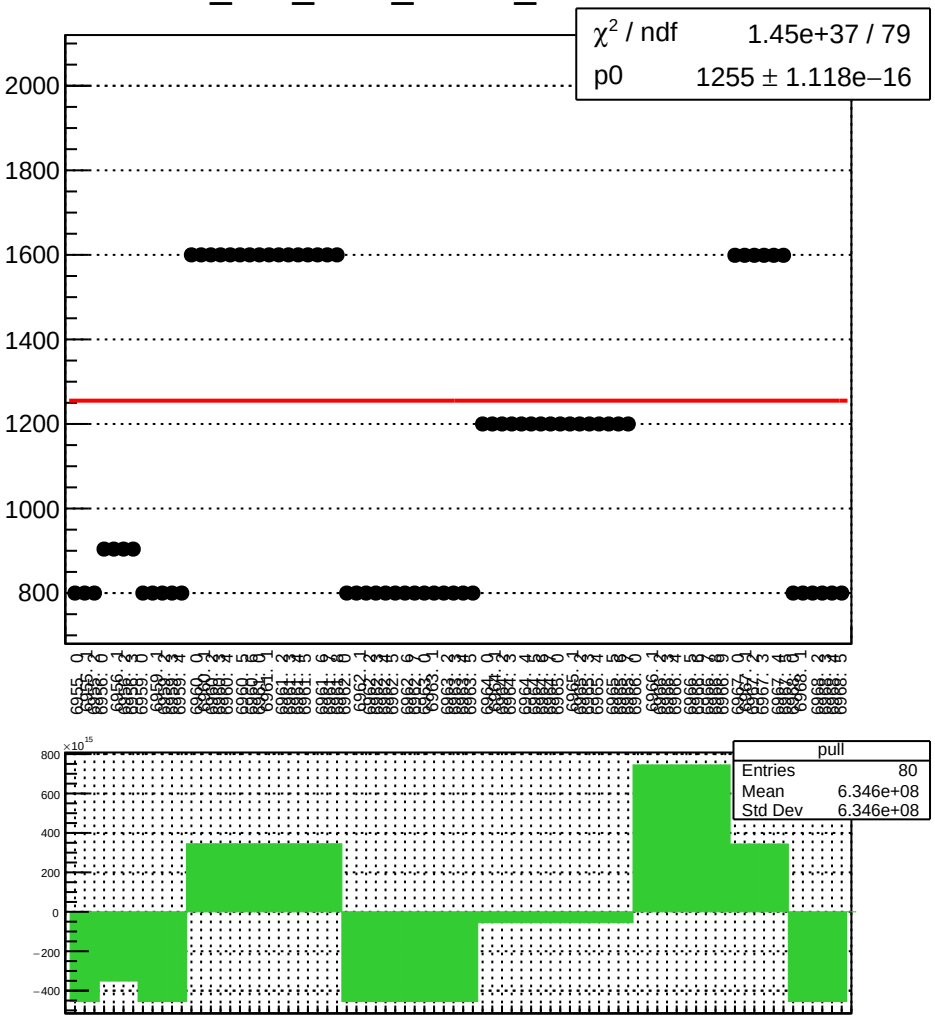

dit_atl2_coil1_mean vs run
χ² / ndf inf / 79
p0 5.346e+04 ± 1.118e−16
60000
58000
56000
54000
52000
50000
48000
pull
Entries 80
Mean −1.932e+09
Std Dev 1.932e+09
×10^15
6000
4000
2000
0
−2000
−4000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

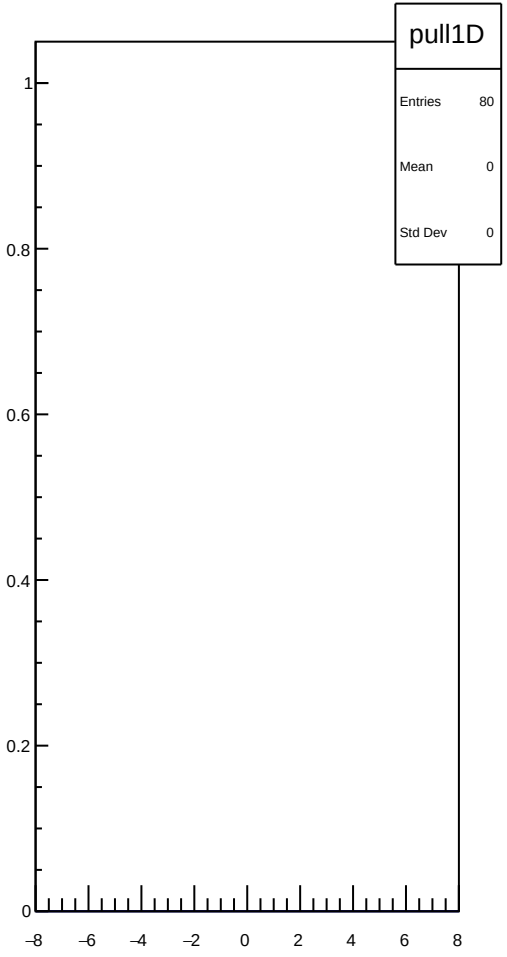
dit_atl2_coil1_err_mean vs run

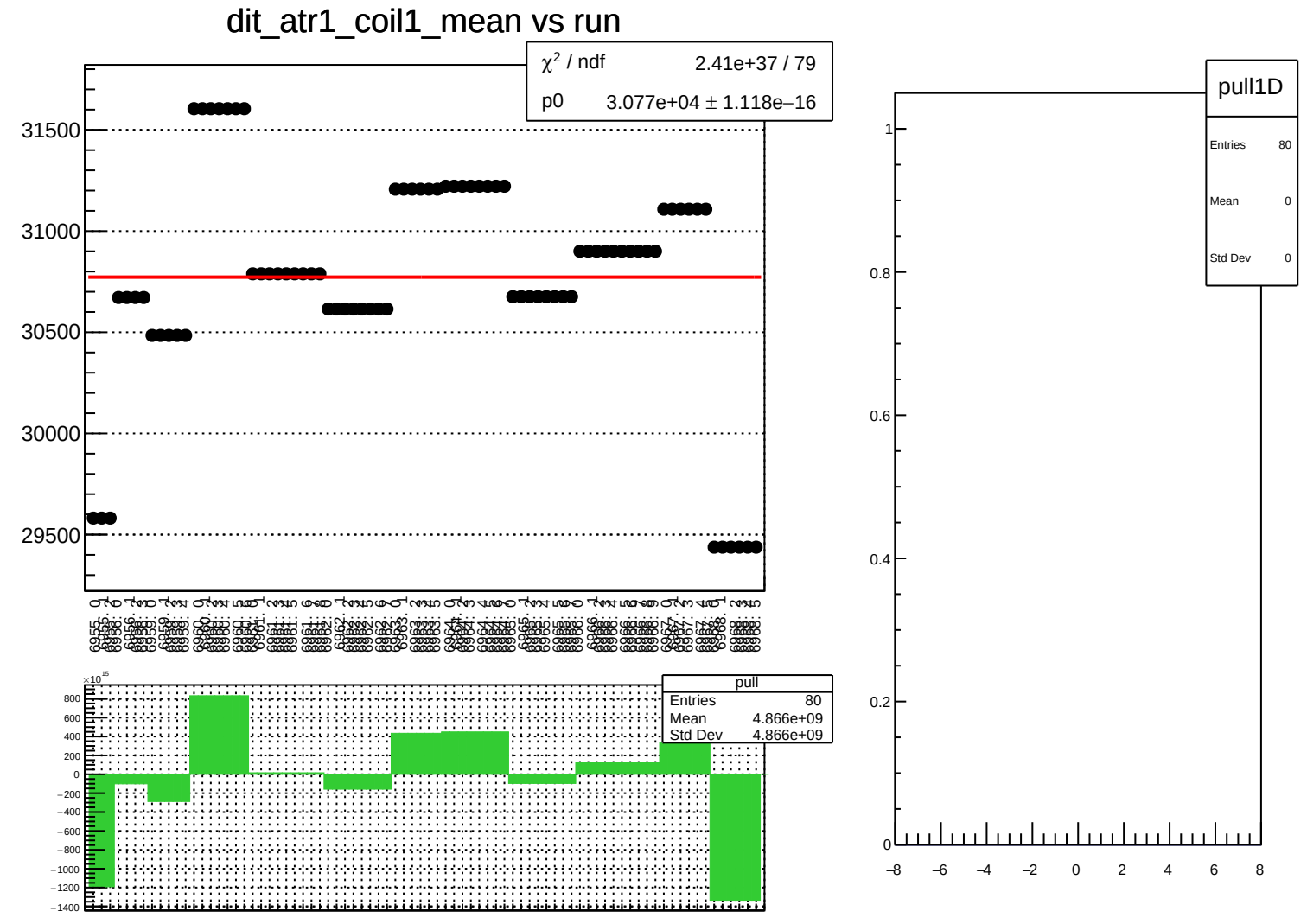


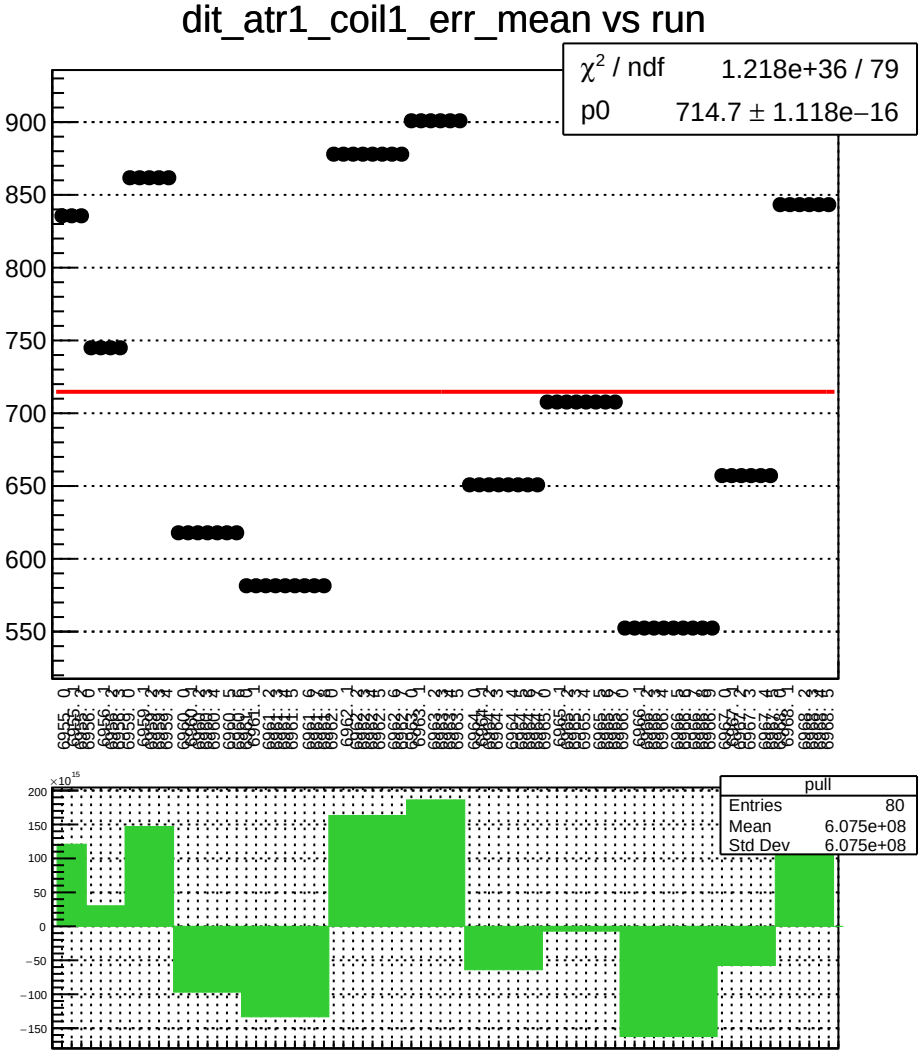


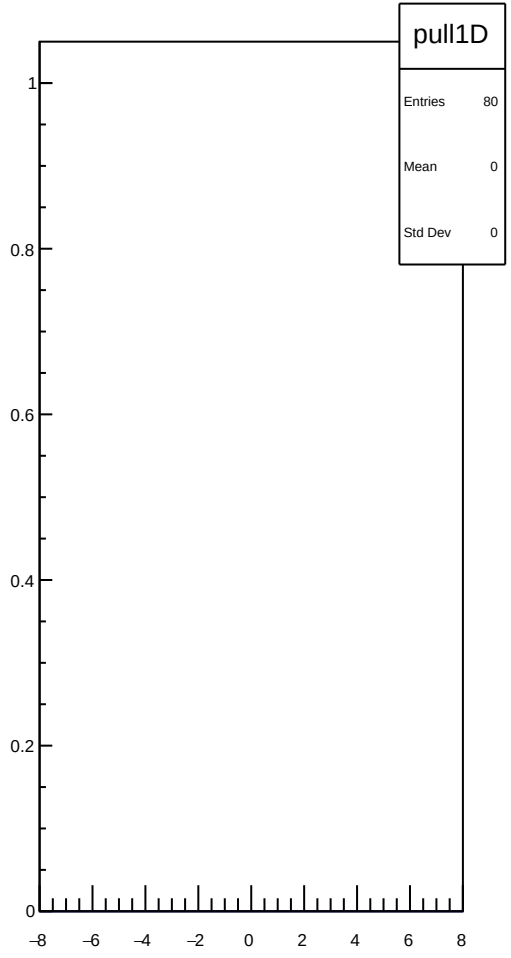
dit_atl2_coil1_Ndata_mean vs run

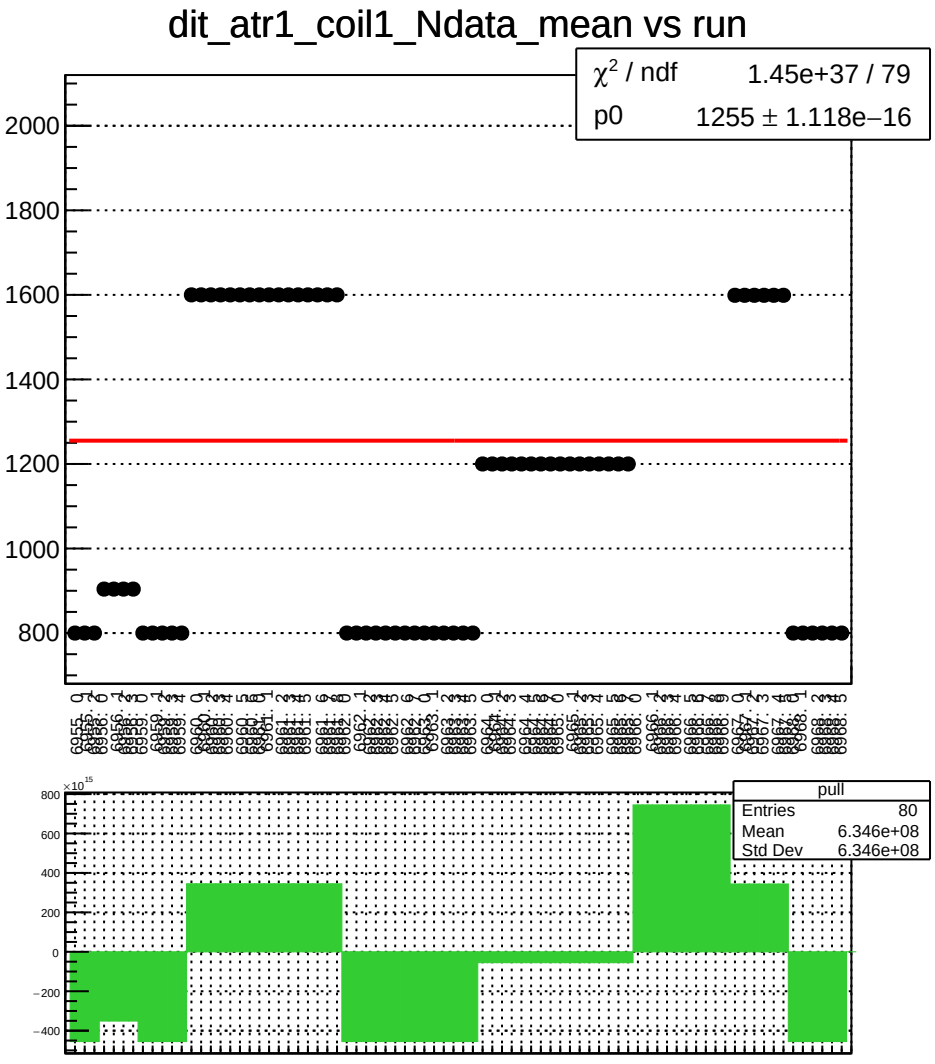


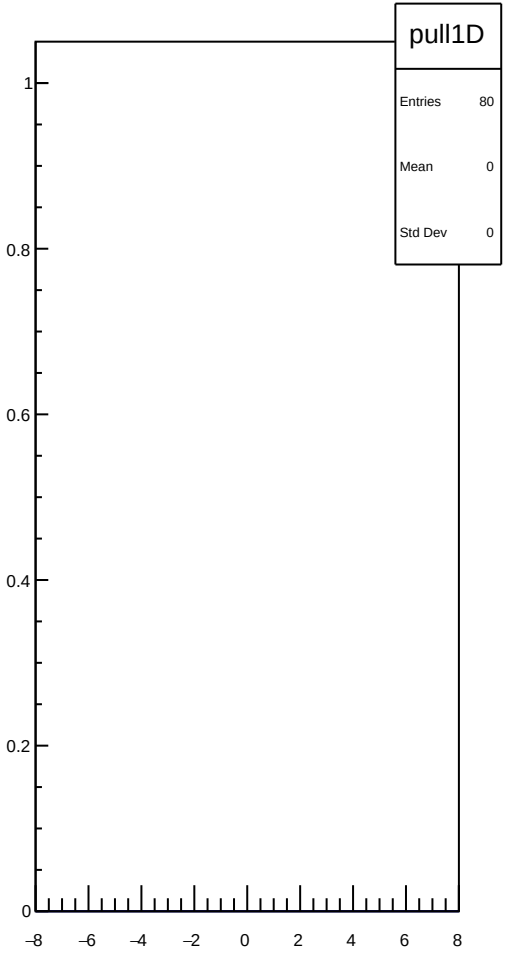


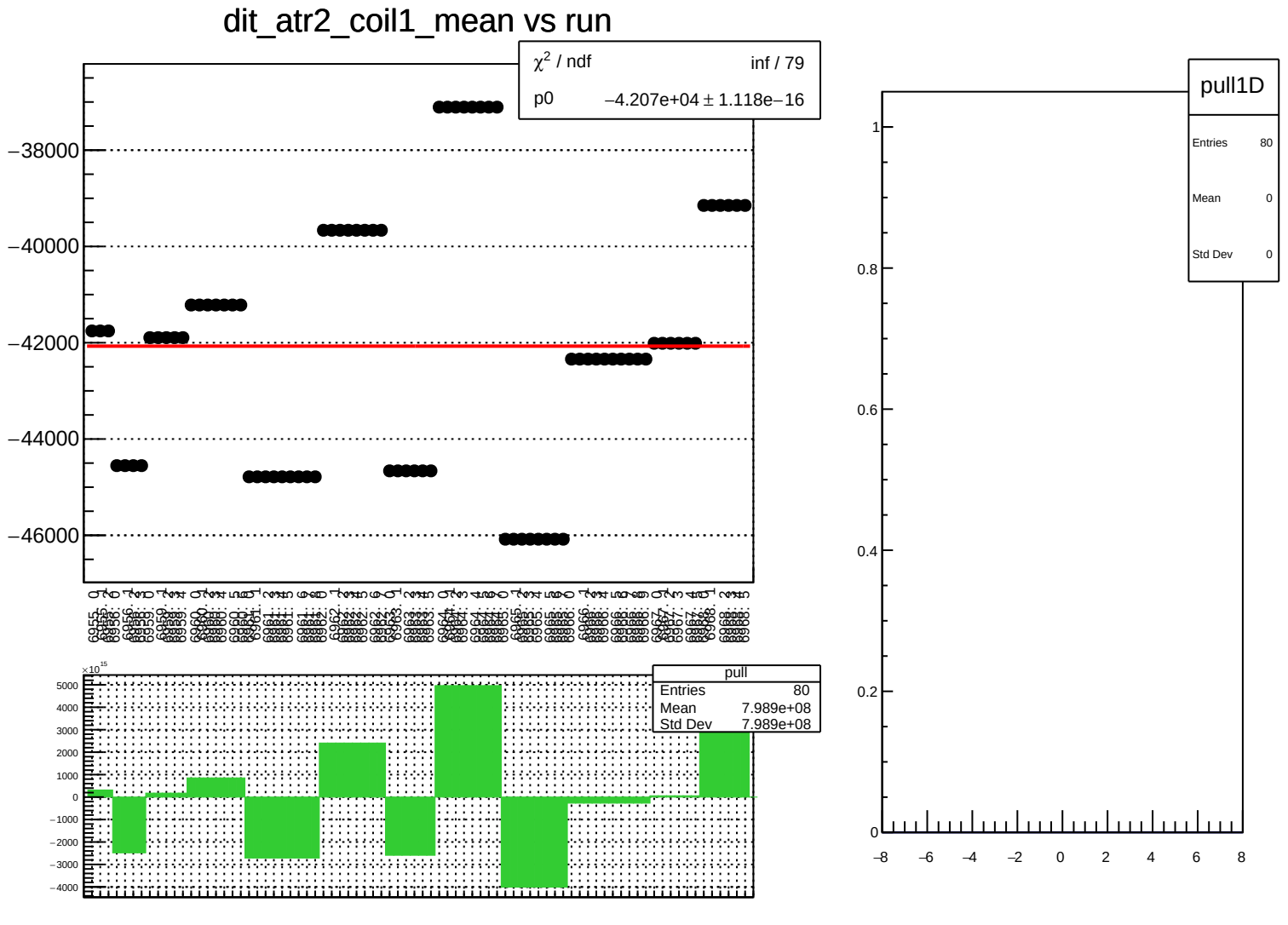

dit_atr1_coil1_mean vs run
χ² / ndf 2.41e+37 / 79
p0 3.077e+04 ± 1.118e−16
31500
31000
30500
30000
29500
pull
Entries 80
Mean 4.866e+09
Std Dev 4.866e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

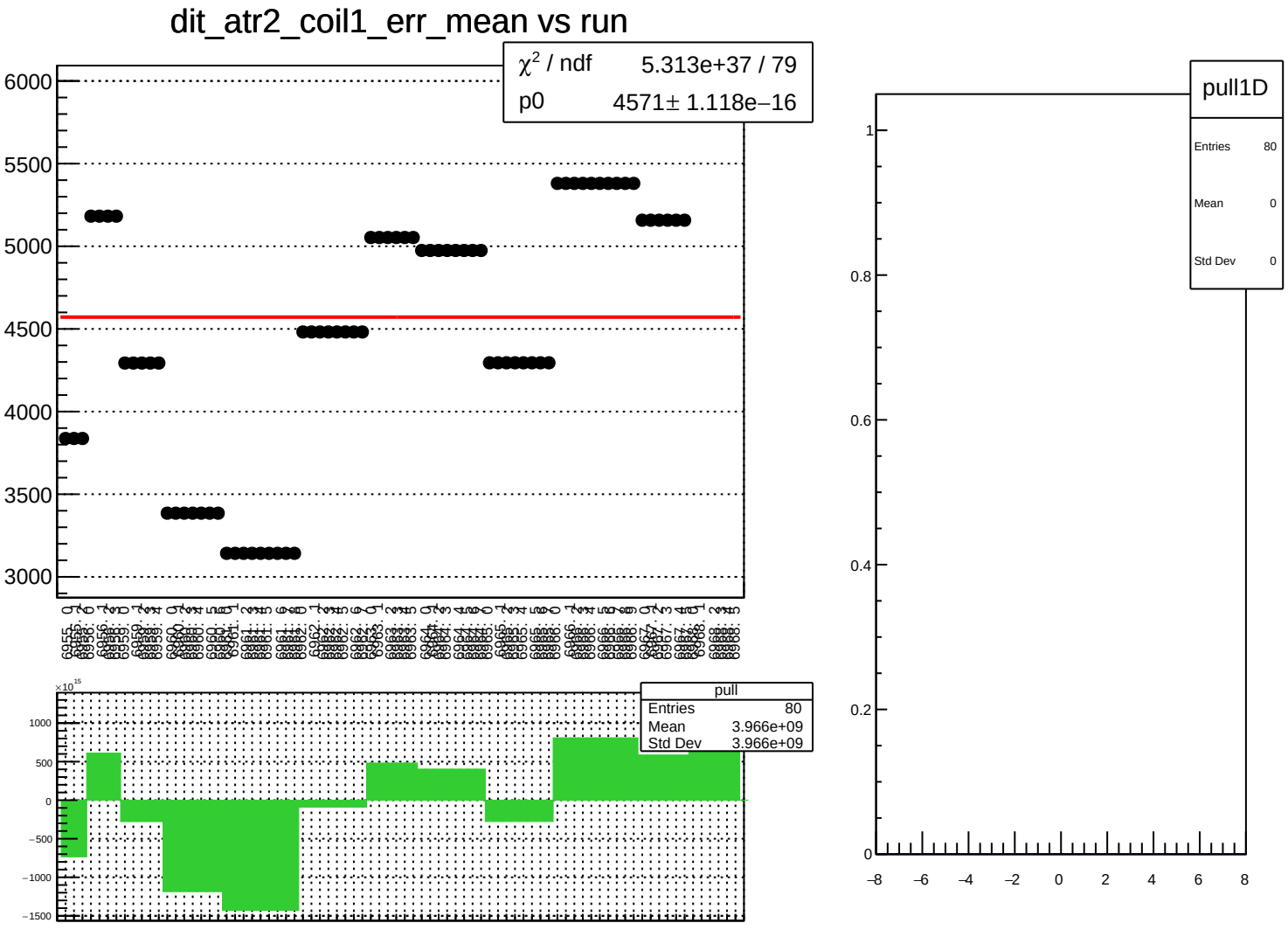

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.218e+36 / 79
p0 714.7 ± 1.118e−16
900
850
800
750
700
650
600
550
pull
Entries 80
Mean 6.075e+08
Std Dev 6.075e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

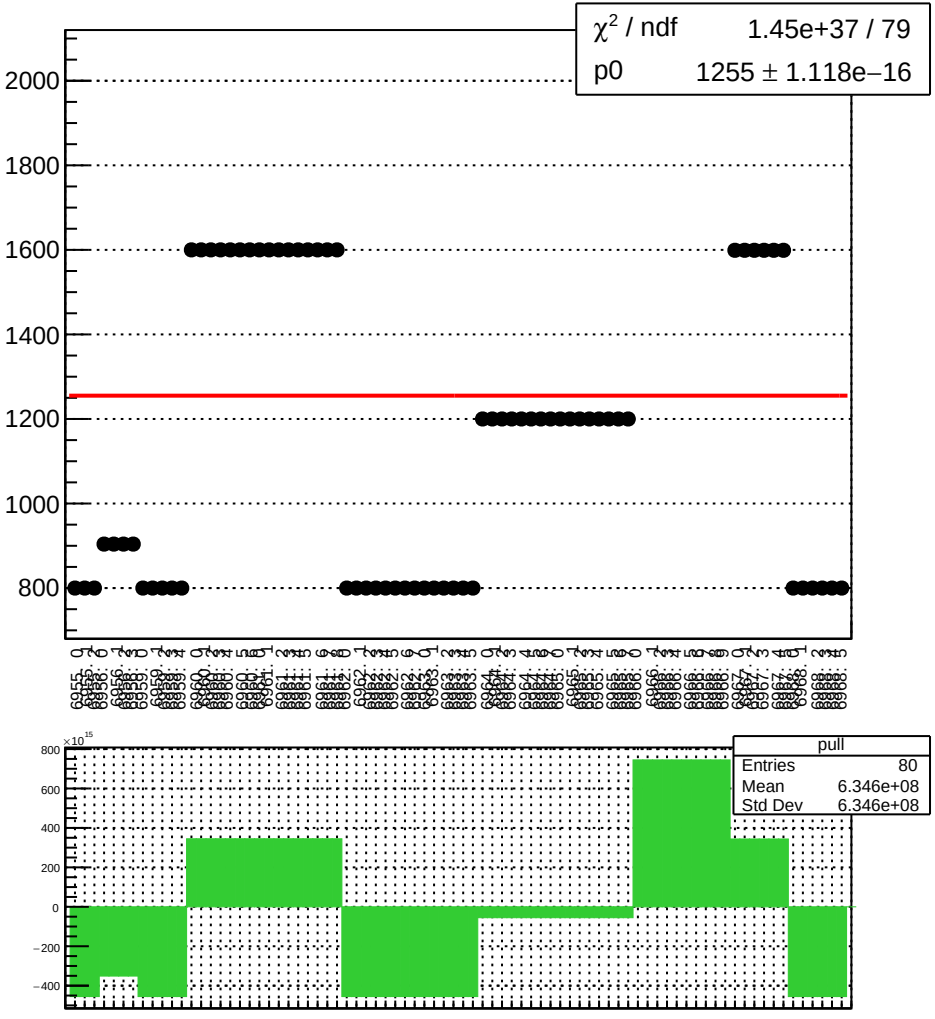

dit_atr1_coil1_Ndata_mean vs run
χ^2 / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
800
600
400
200
0
−200
−400

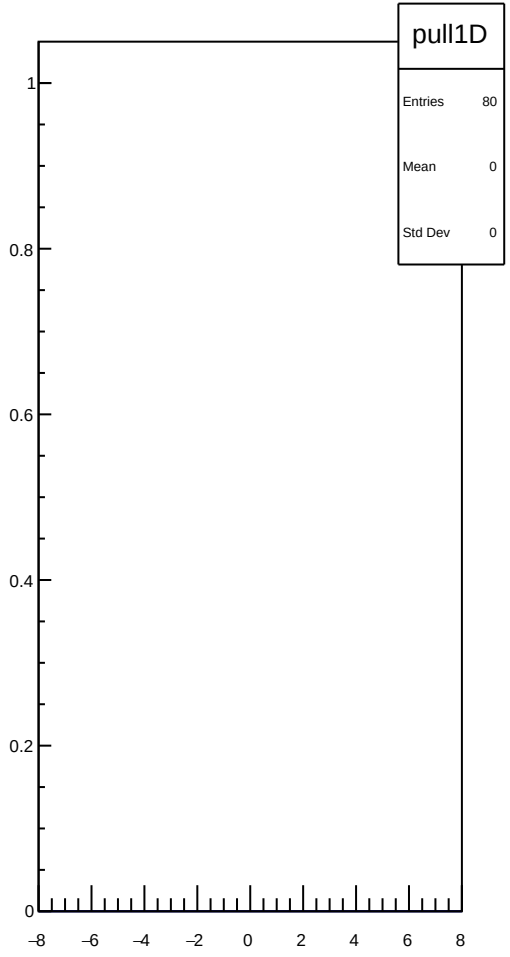

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

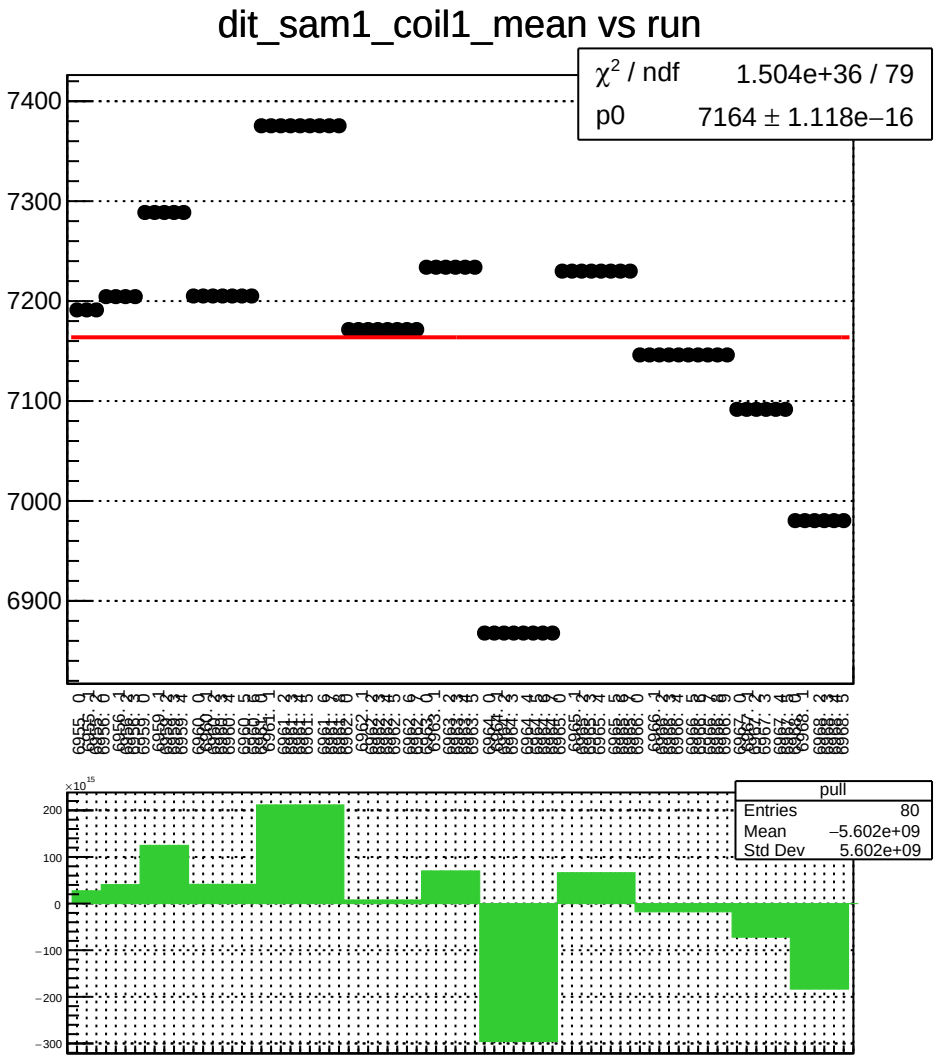

dit_atr2_coil1_mean vs run
χ² / ndf inf / 79
p0 −4.207e+04 ± 1.118e−16
−38000
−40000
−42000
−44000
−46000
pull
Entries 80
Mean 7.989e+08
Std Dev 7.989e+08
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

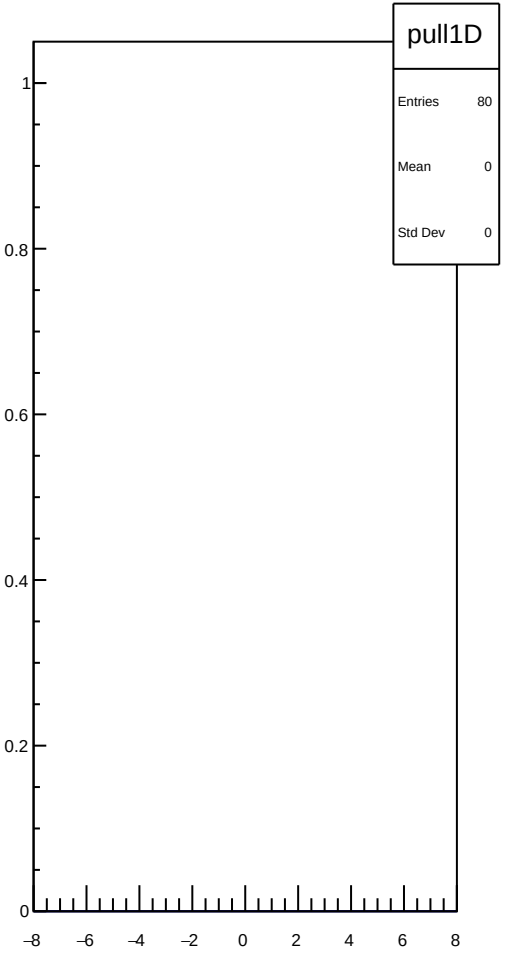

dit_atr2_coil1_err_mean vs run
χ² / ndf 5.313e+37 / 79
p0 4571± 1.118e−16
6000
5500
5000
4500
4000
3500
3000
pull
Entries 80
Mean 3.966e+09
Std Dev 3.966e+09
×10¹⁵
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

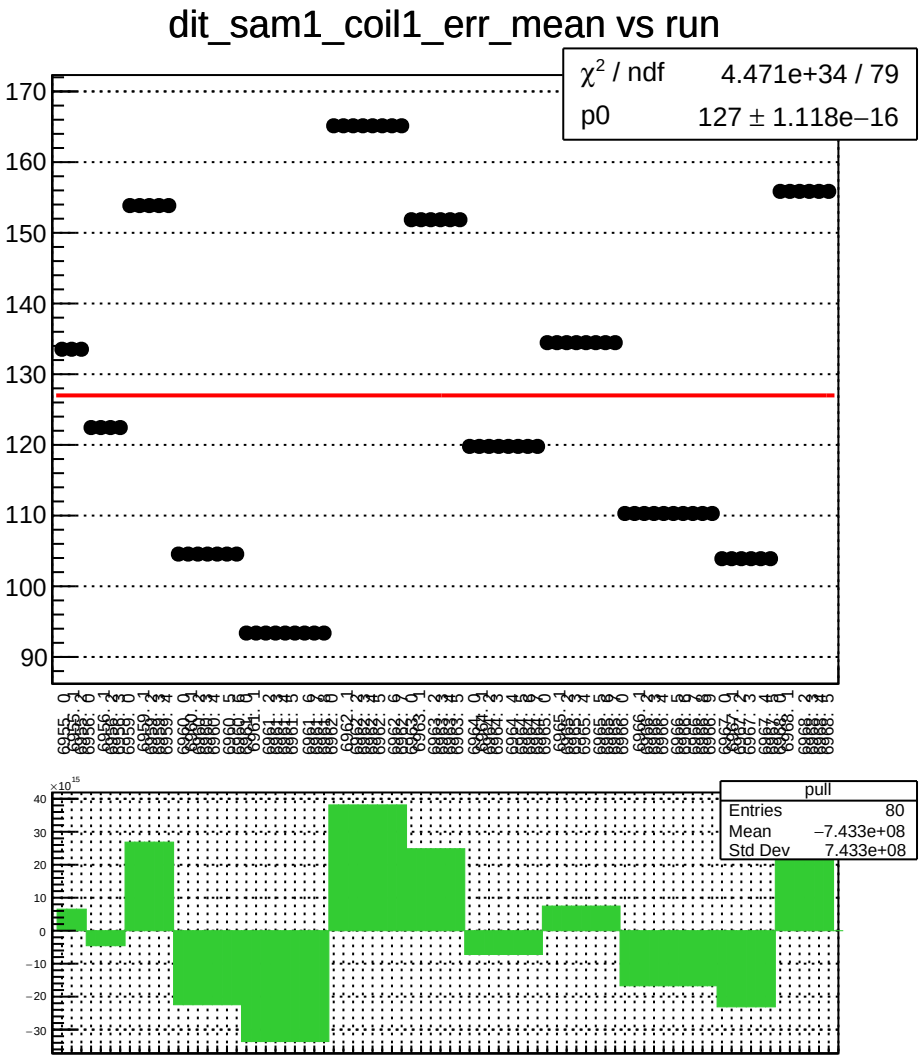
dit_atr2_coil1_Ndata_mean vs run

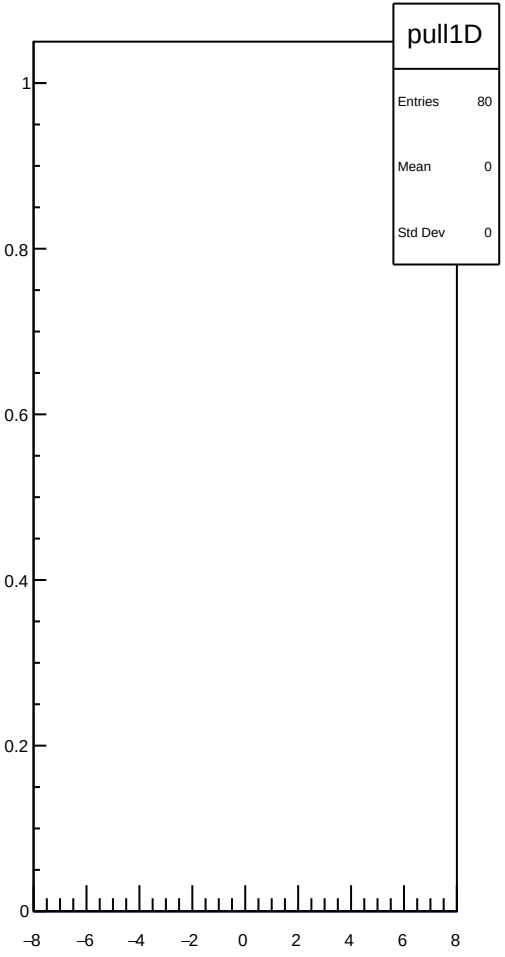


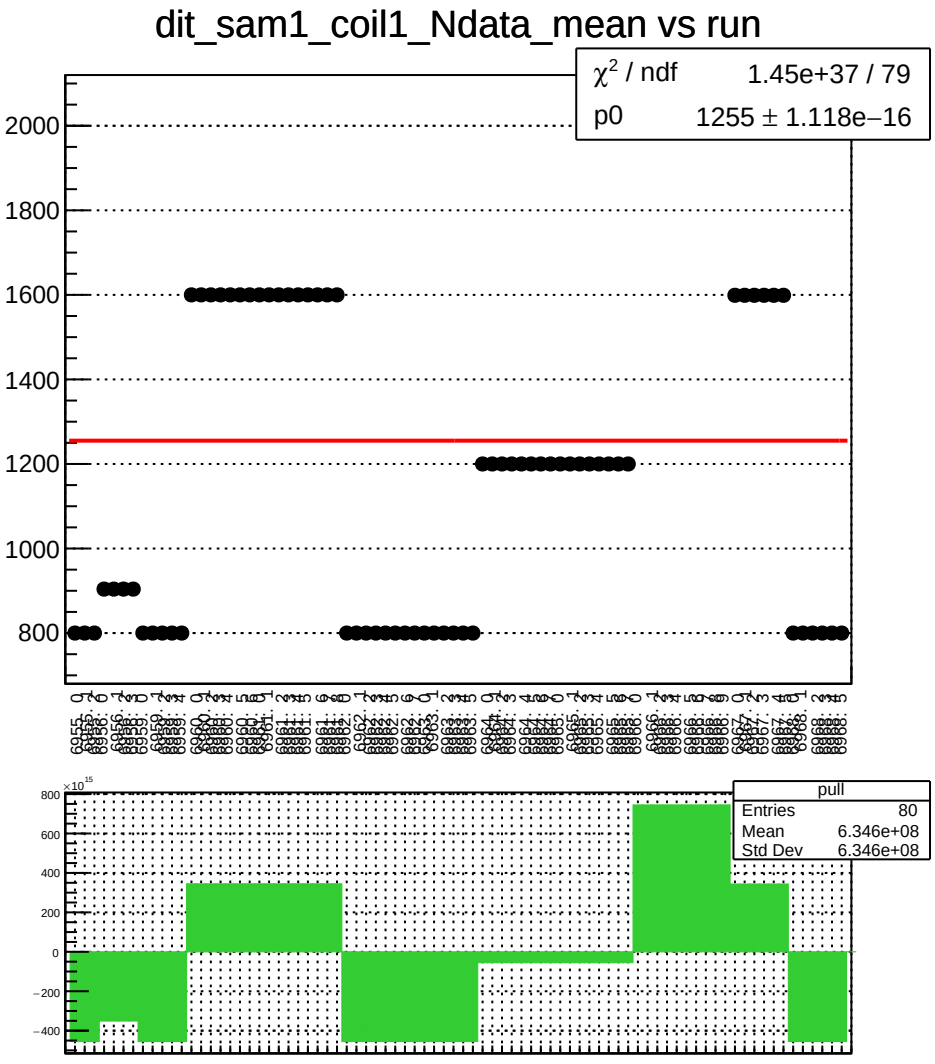


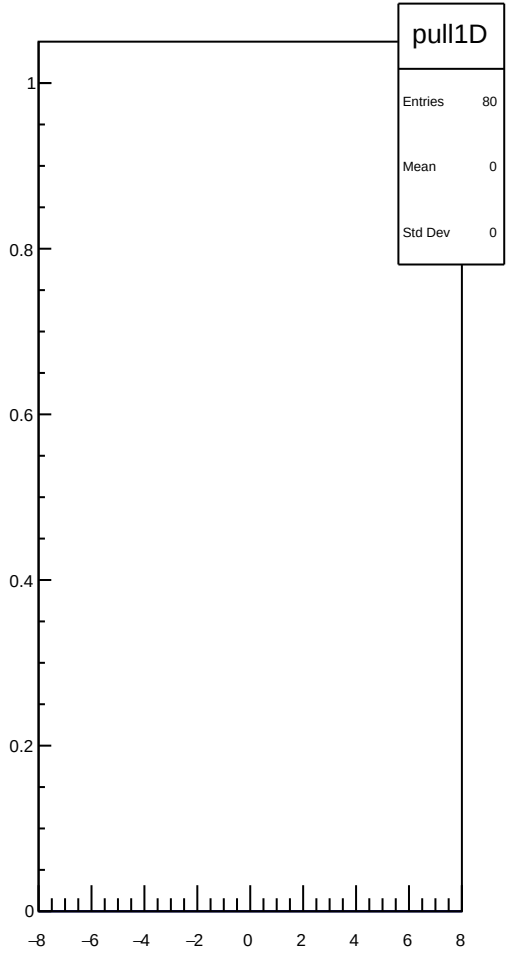

dit_sam1_coil1_mean vs run
χ² / ndf 1.504e+36 / 79
p0 7164 ± 1.118e−16
7400
7300
7200
7100
7000
6900
pull
Entries 80
Mean −5.602e+09
Std Dev 5.602e+09
×10¹⁵
200
100
0
−100
−200
−300

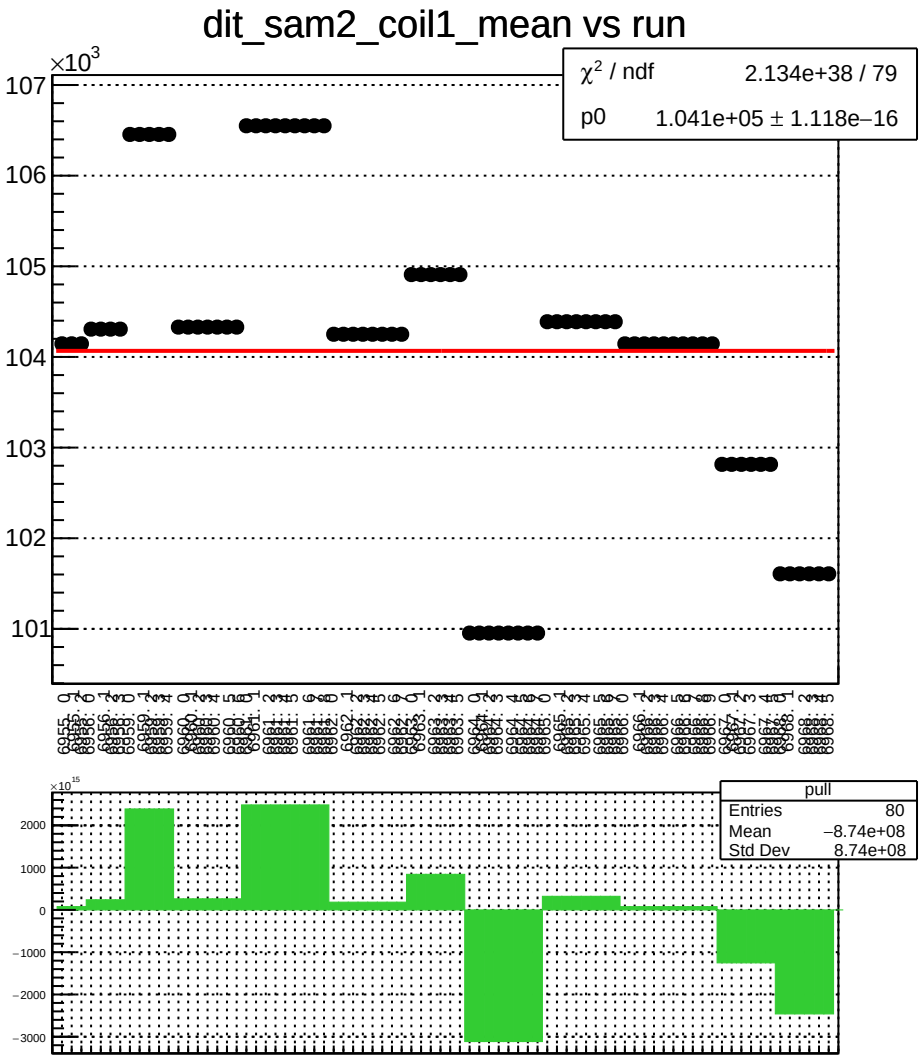

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

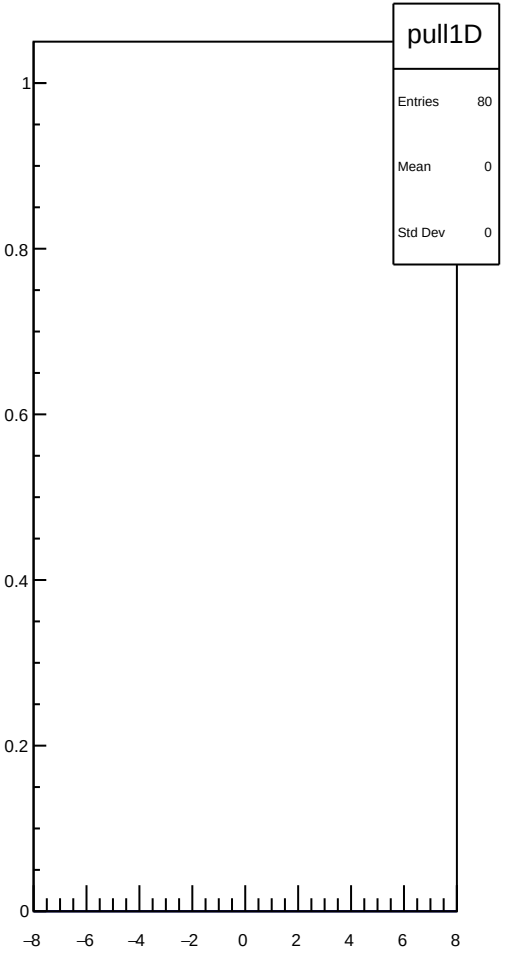

dit_sam1_coil1_err_mean vs run
χ² / ndf 4.471e+34 / 79
p0 127 ± 1.118e−16
pull
Entries 80
Mean −7.433e+08
Std Dev 7.433e+08

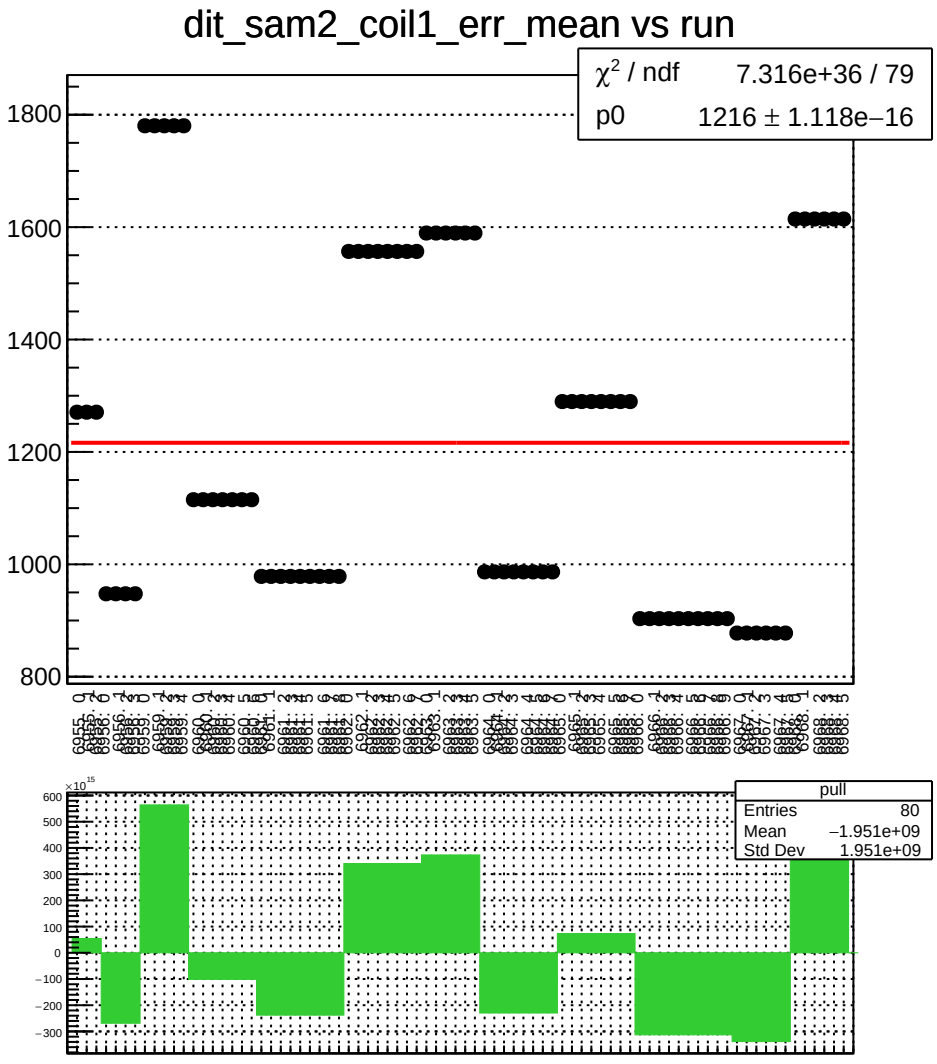

pull1D
Entries 80
Mean 0
Std Dev 0

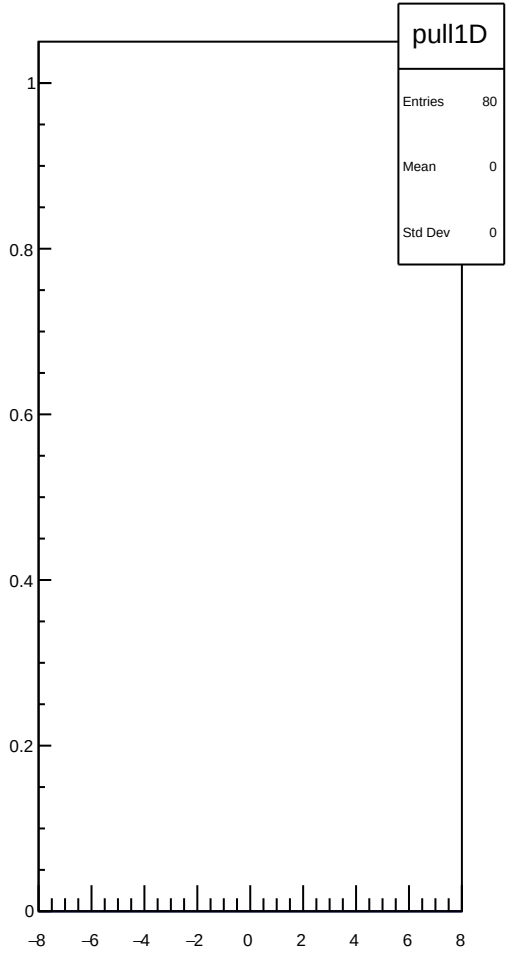

dit_sam1_coil1_Ndata_mean vs run
χ^2 / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10^15
800
600
400
200
0
−200
−400

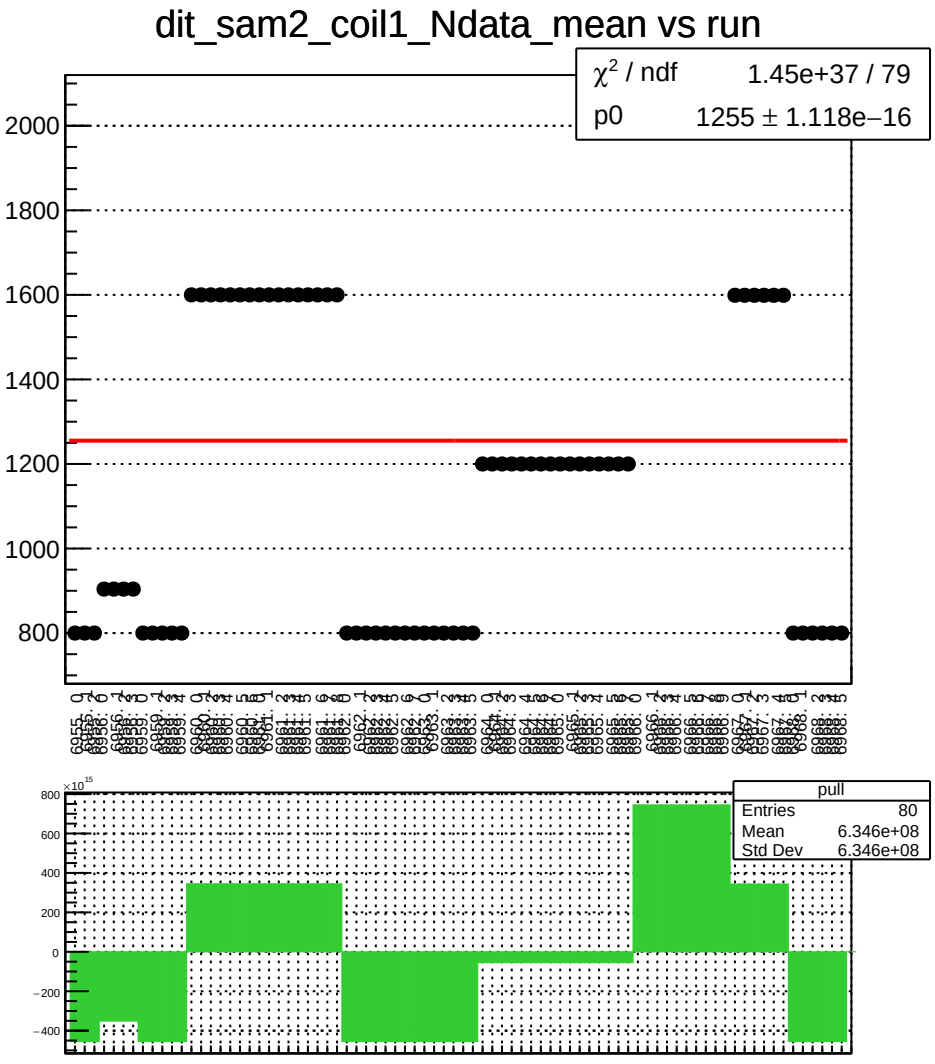

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

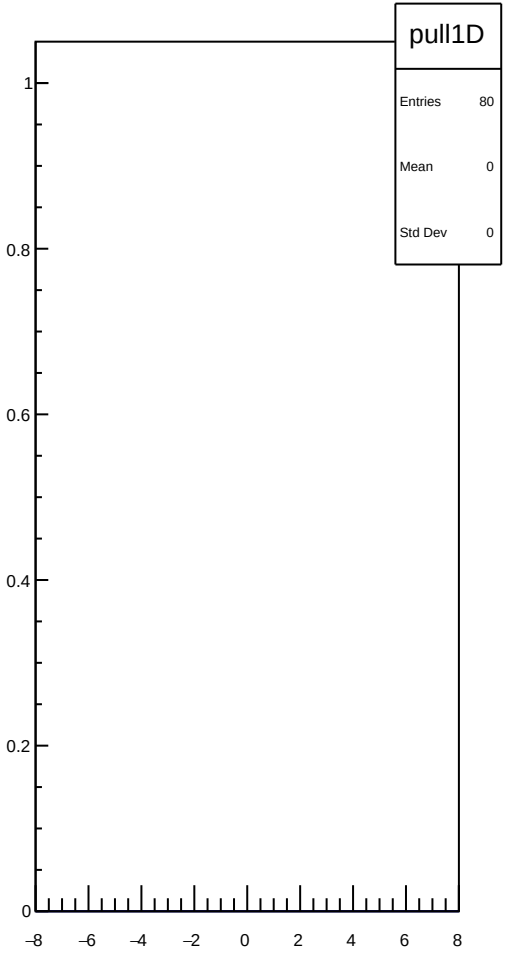

dit_sam2_coil1_mean vs run
×10^3
107
106
105
104
103
102
101
χ² / ndf 2.134e+38 / 79
p0 1.041e+05 ± 1.118e−16
×10^15
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean −8.74e+08
Std Dev 8.74e+08

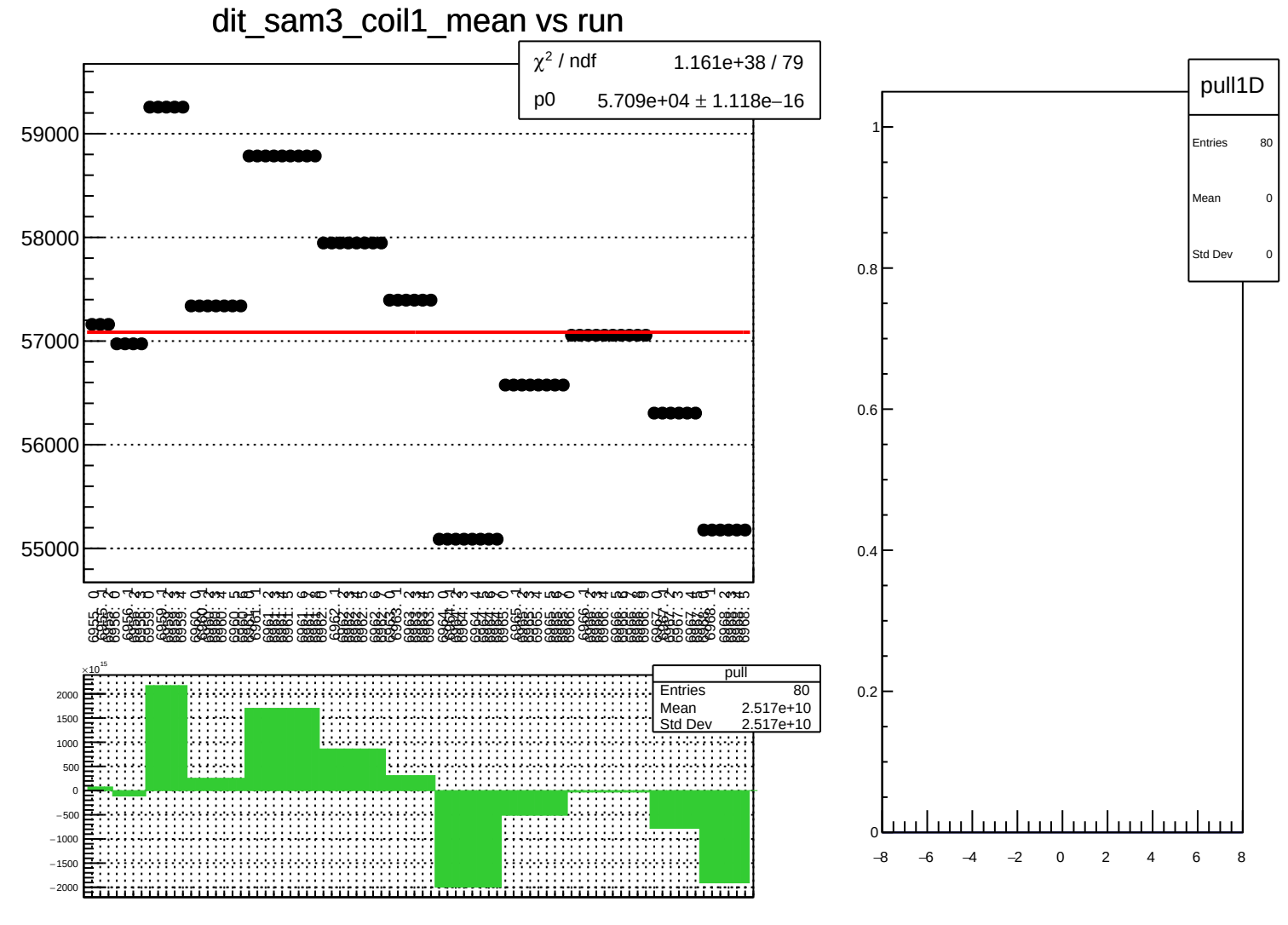

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

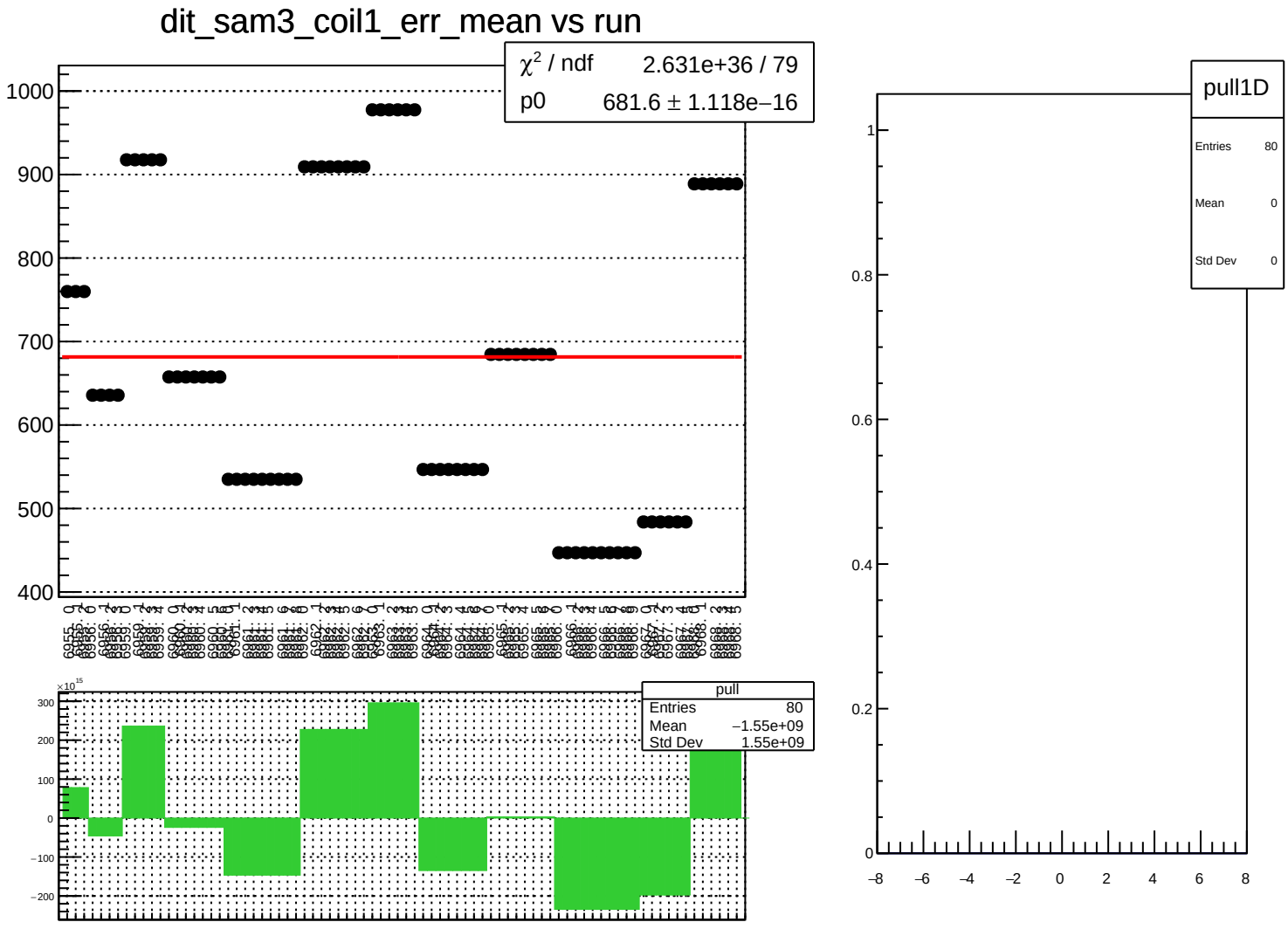

dit_sam2_coil1_err_mean vs run
χ² / ndf 7.316e+36 / 79
p0 1216 ± 1.118e−16
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −1.951e+09
Std Dev 1.951e+09
×10¹⁵
600
500
400
300
200
100
0
−100
−200
−300

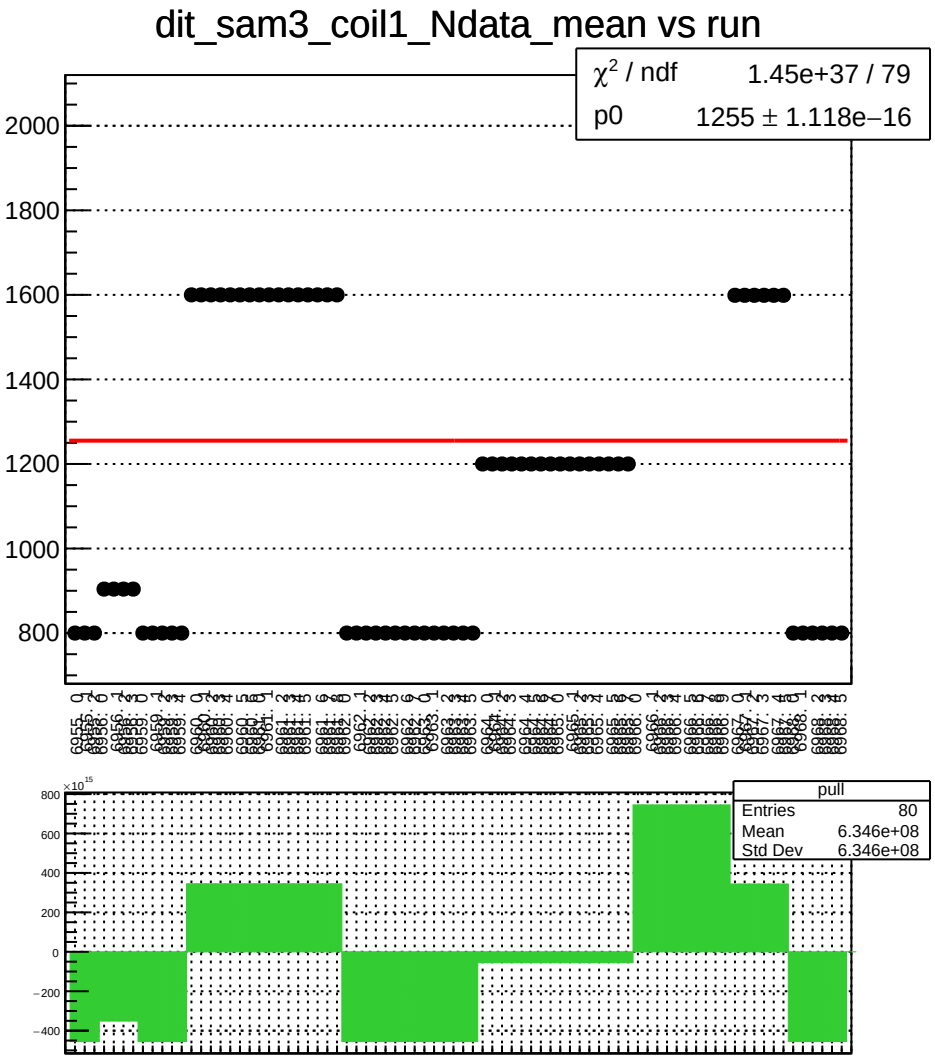

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

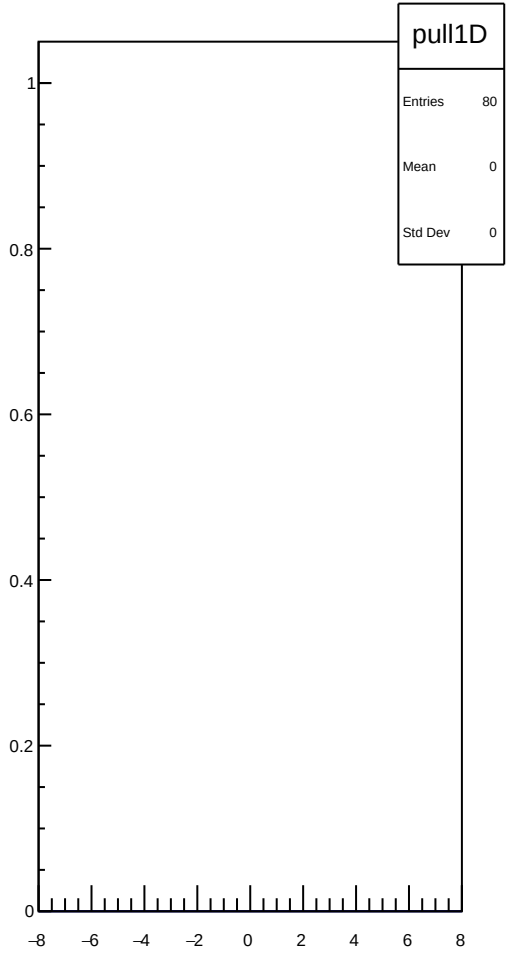

dit_sam2_coil1_Ndata_mean vs run
χ^2 / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10^15
800
600
400
200
0
−200
−400

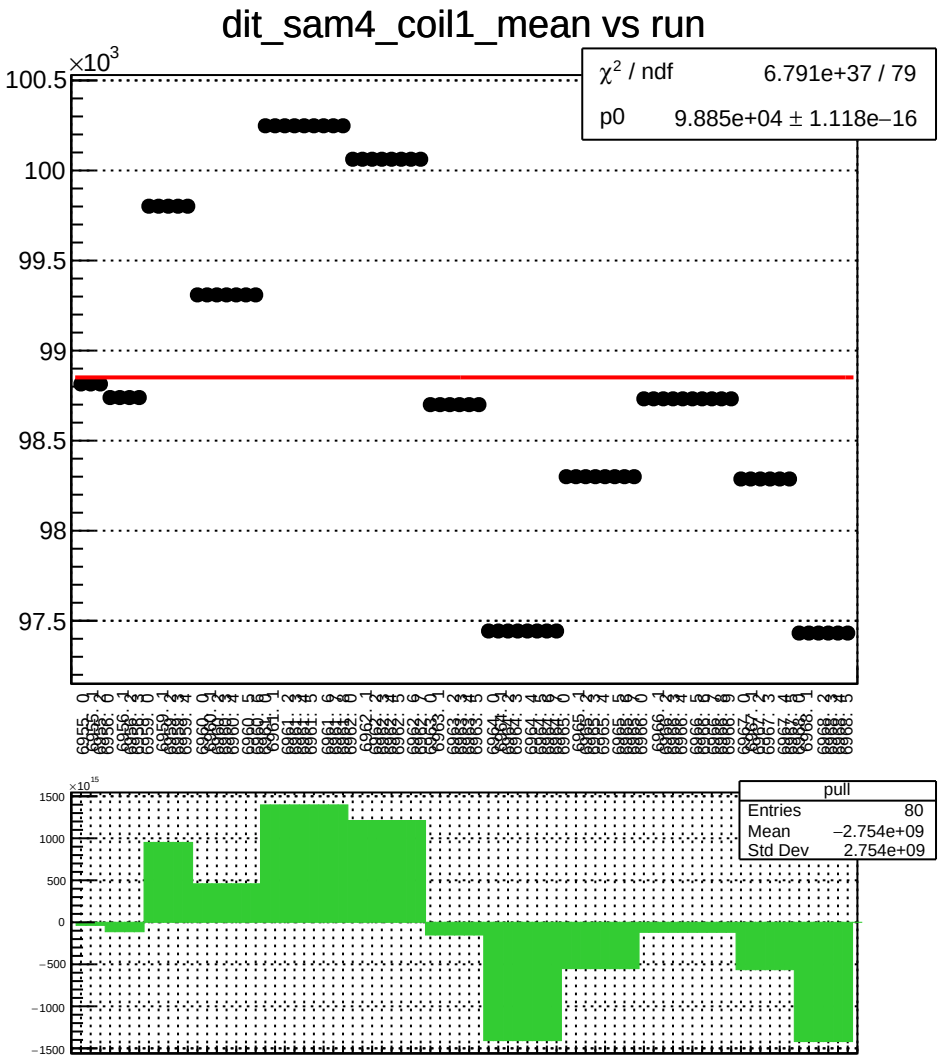

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

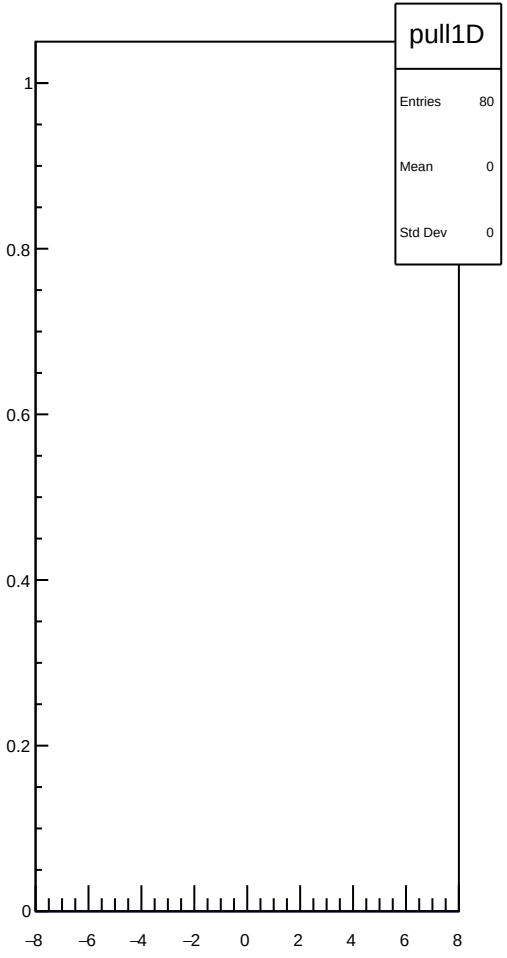

dit_sam3_coil1_mean vs run
χ² / ndf 1.161e+38 / 79
p0 5.709e+04 ± 1.118e−16
59000
58000
57000
56000
55000
pull
Entries 80
Mean 2.517e+10
Std Dev 2.517e+10
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

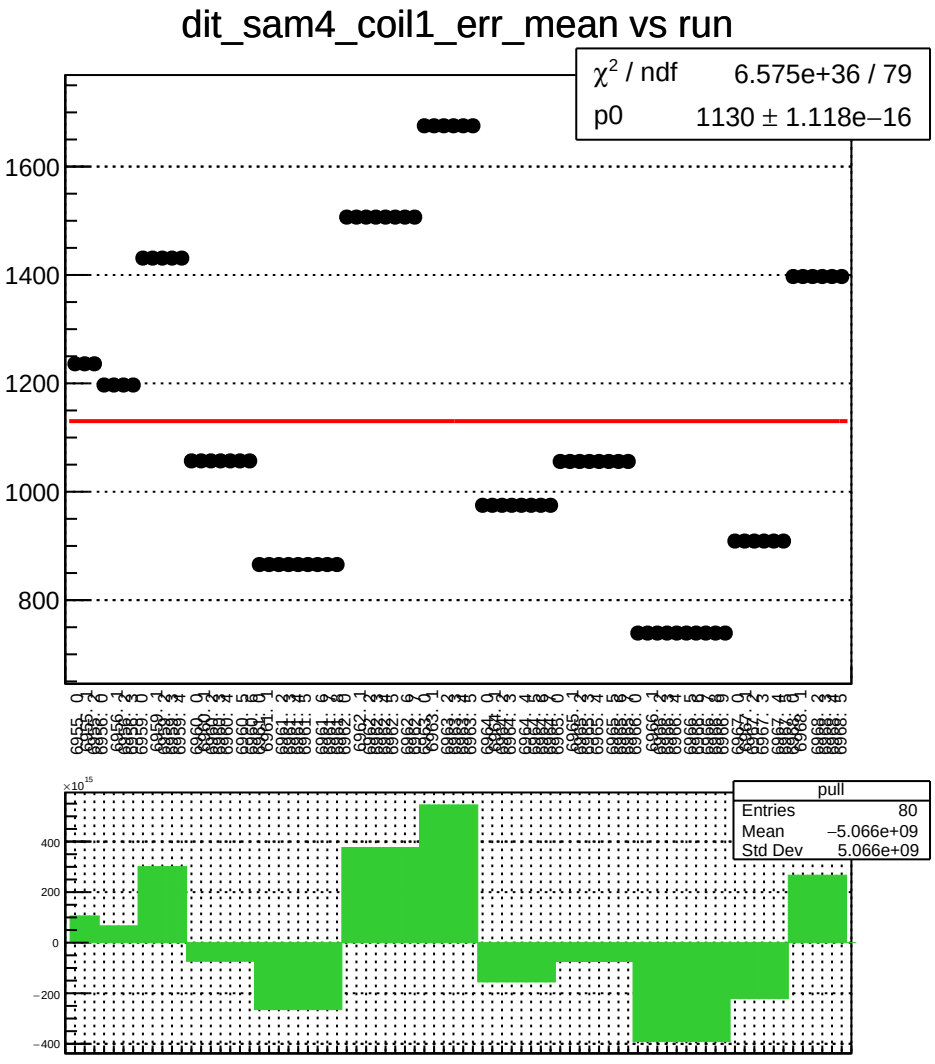

dit_sam3_coil1_err_mean vs run
χ² / ndf 2.631e+36 / 79
p0 681.6 ± 1.118e−16
1000
900
800
700
600
500
400
pull
Entries 80
Mean −1.55e+09
Std Dev 1.55e+09
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

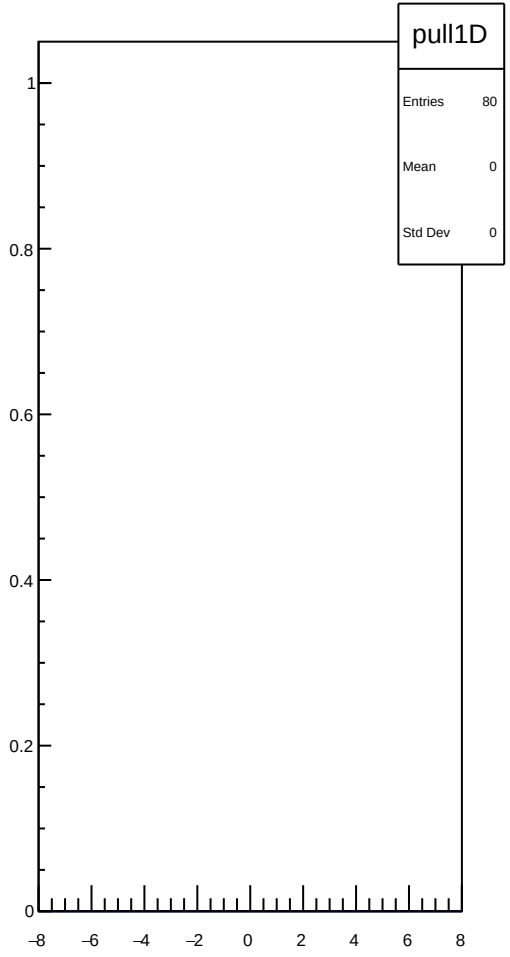

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10^15
800
600
400
200
0
−200
−400

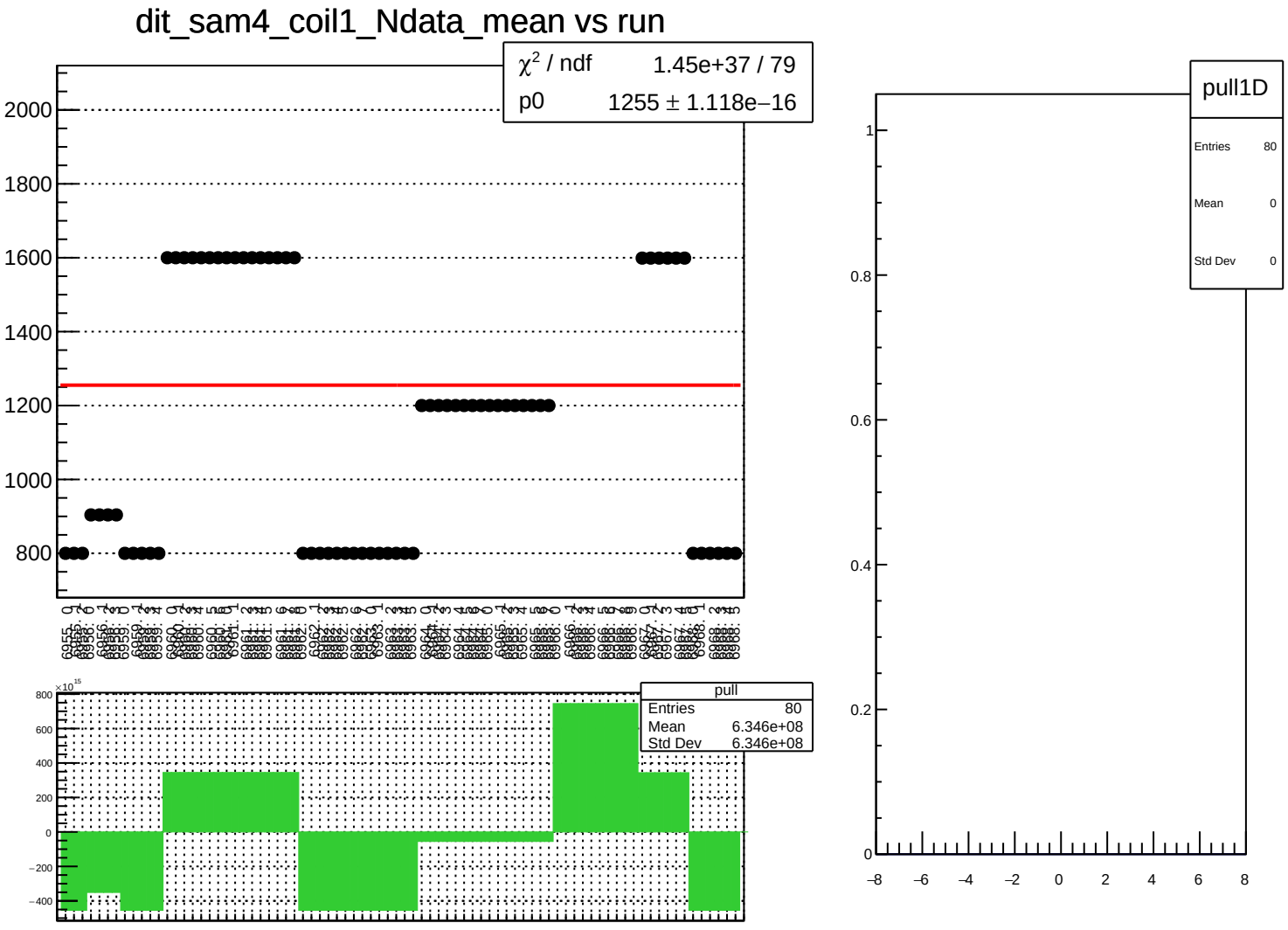

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

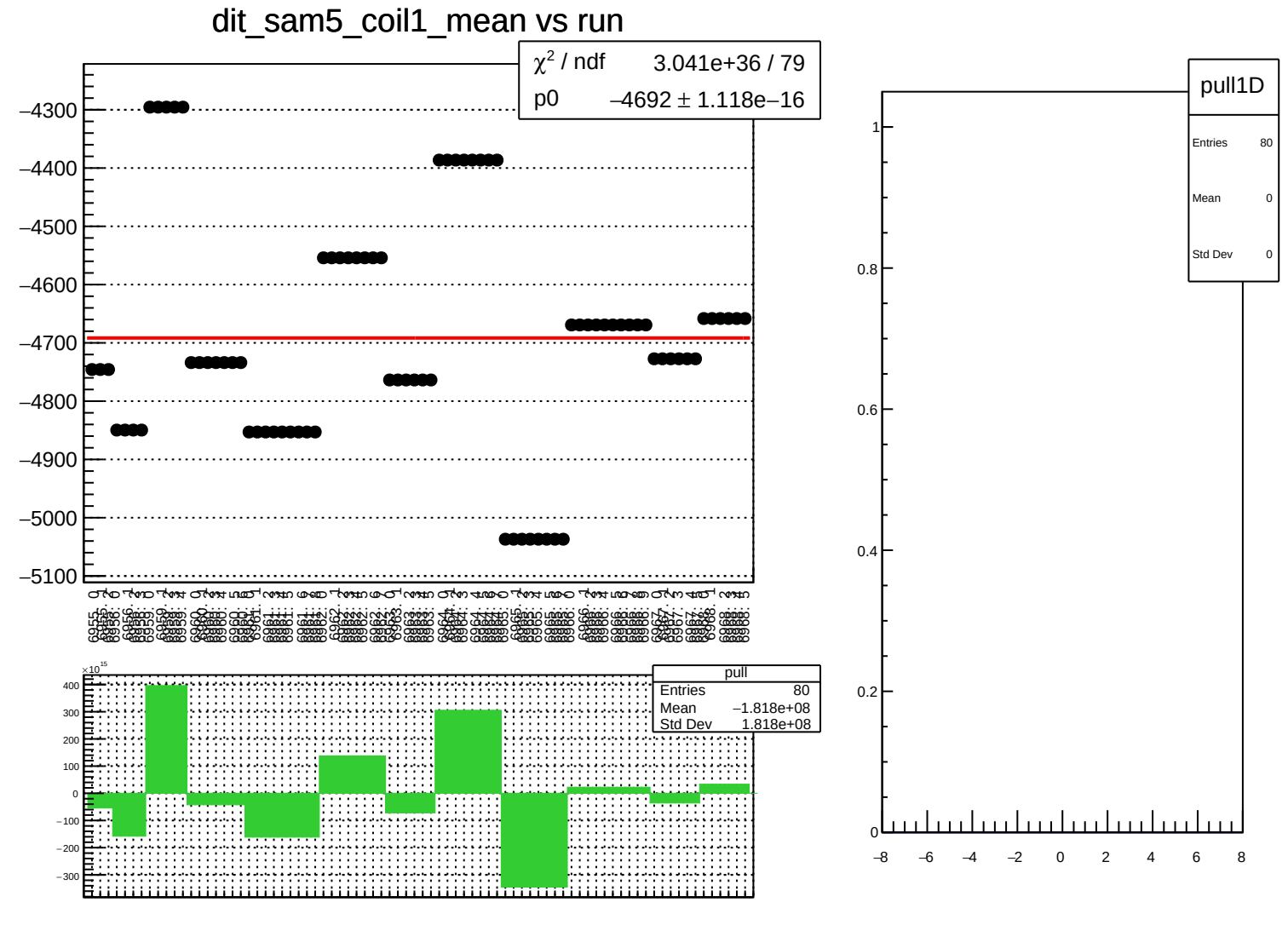

dit_sam4_coil1_mean vs run
×10^3
100.5
100
99.5
99
98.5
98
97.5
χ² / ndf 6.791e+37 / 79
p0 9.885e+04 ± 1.118e−16
×10^15
1500
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean −2.754e+09
Std Dev 2.754e+09

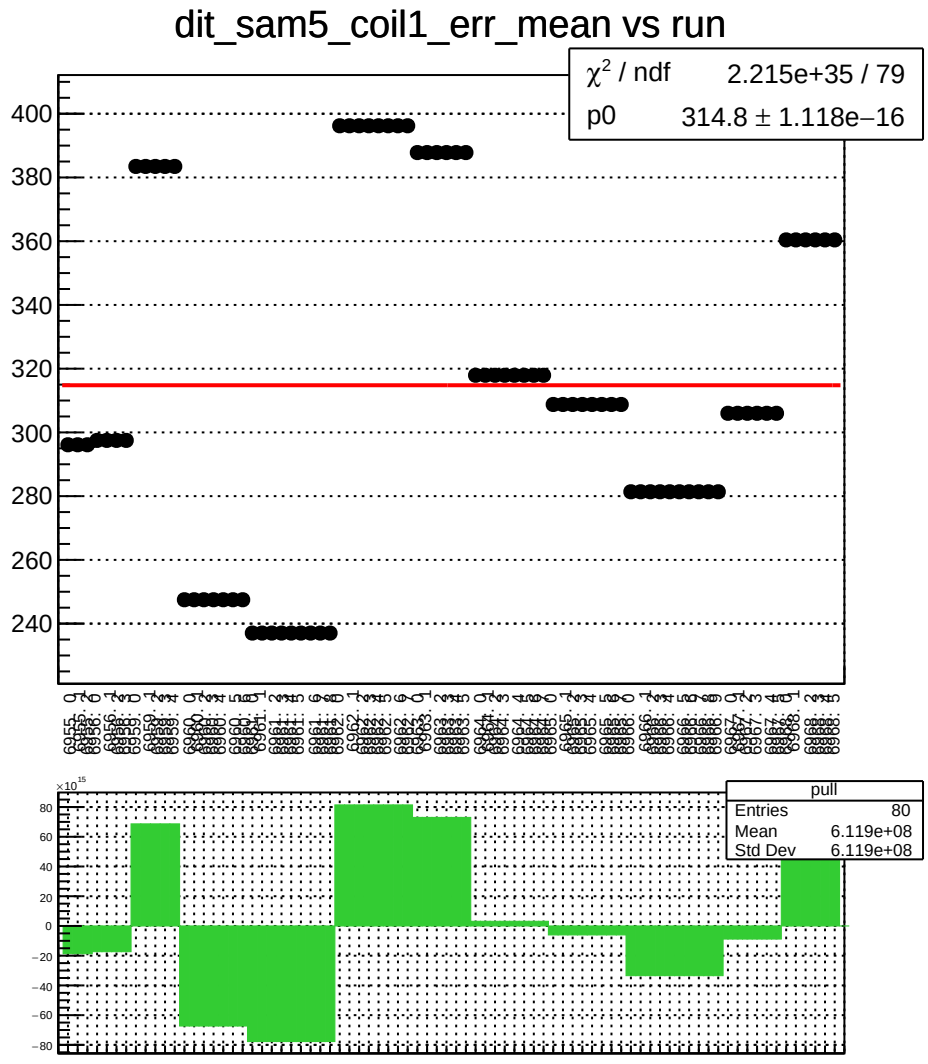

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

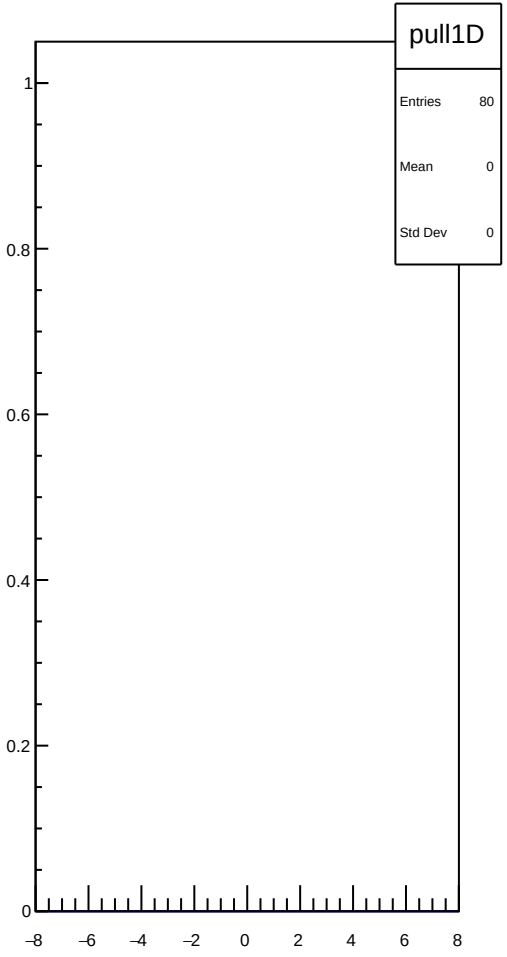

dit_sam4_coil1_err_mean vs run
χ² / ndf 6.575e+36 / 79
p0 1130 ± 1.118e−16
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.066e+09
Std Dev 5.066e+09
×10¹⁵
400
200
0
−200
−400

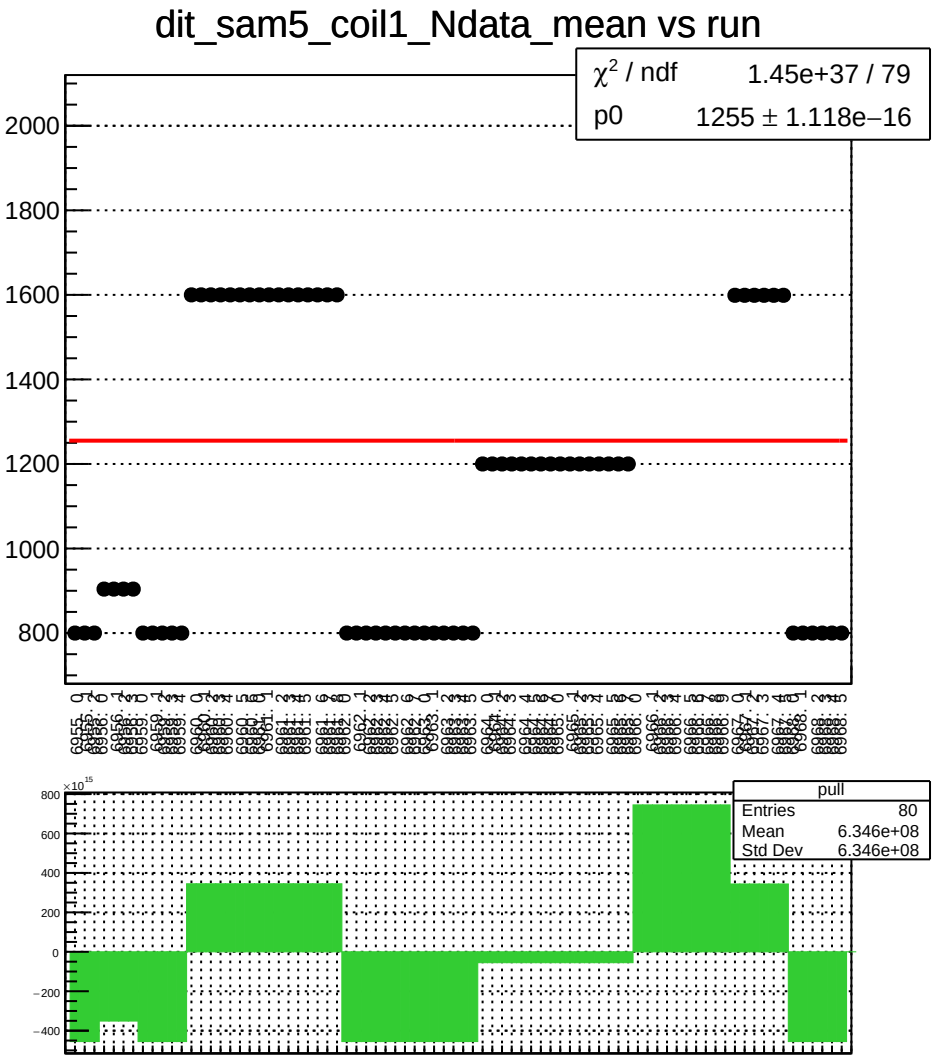

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

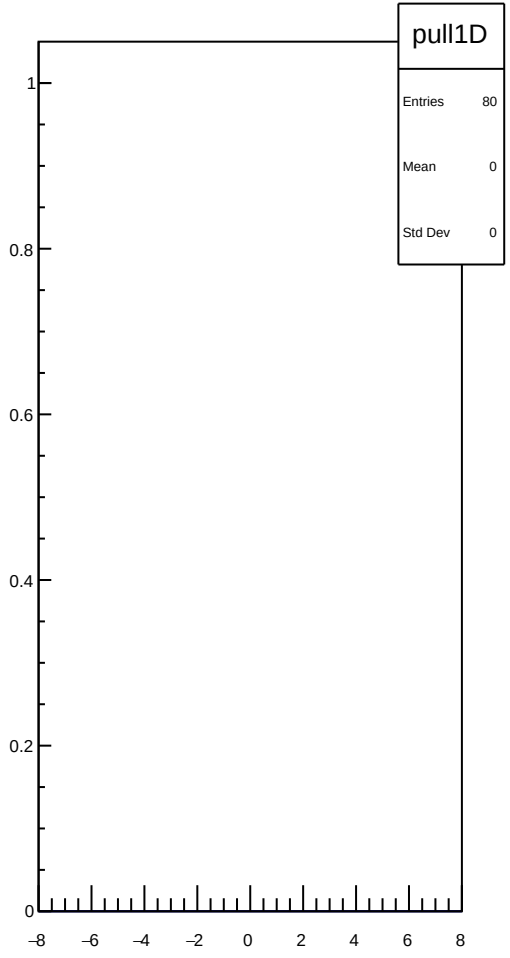

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10^15
800
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

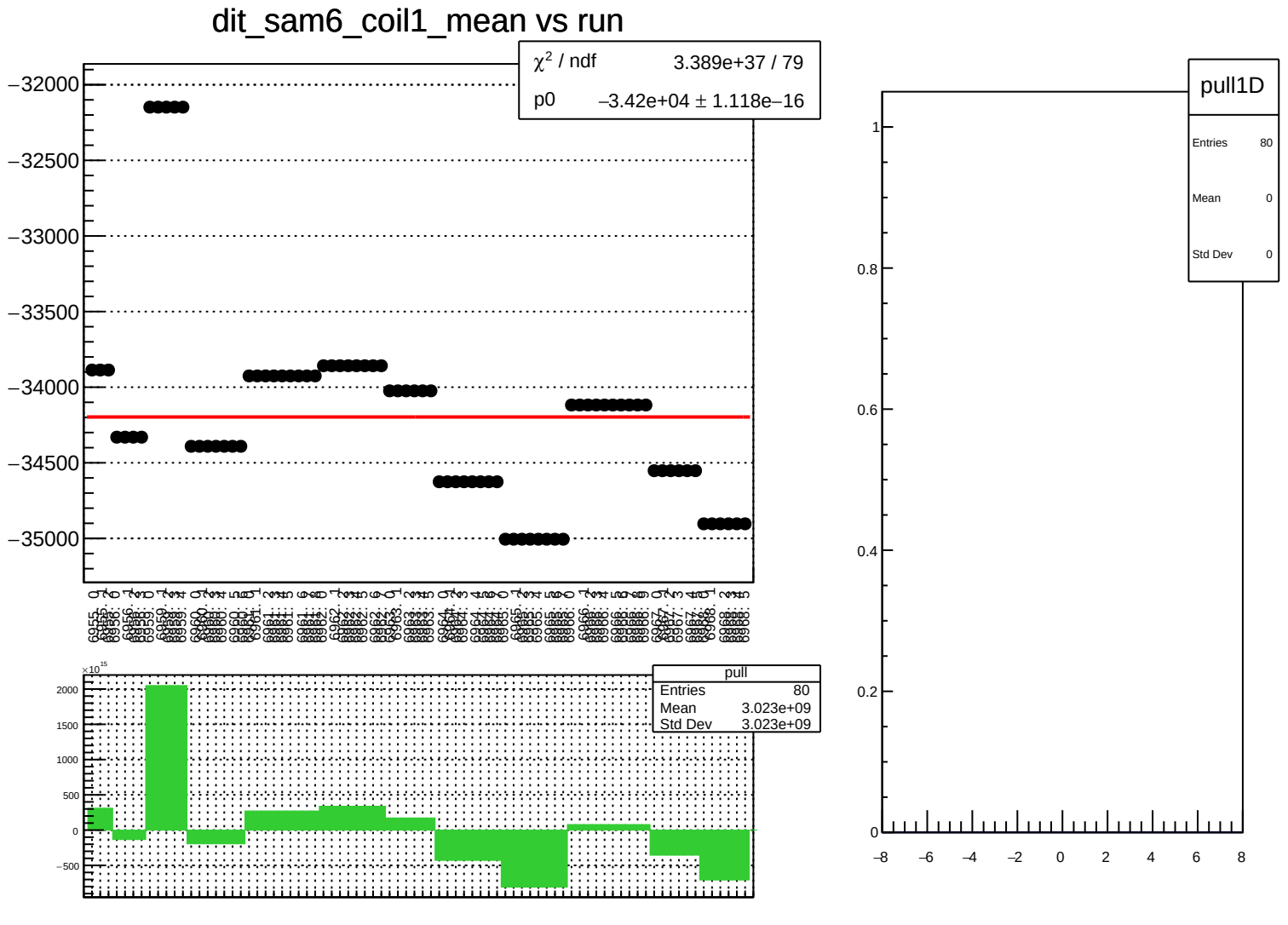

dit_sam5_coil1_mean vs run
χ² / ndf 3.041e+36 / 79
p0 −4692 ± 1.118e−16
−4300
−4400
−4500
−4600
−4700
−4800
−4900
−5000
−5100
pull
Entries 80
Mean −1.818e+08
Std Dev 1.818e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

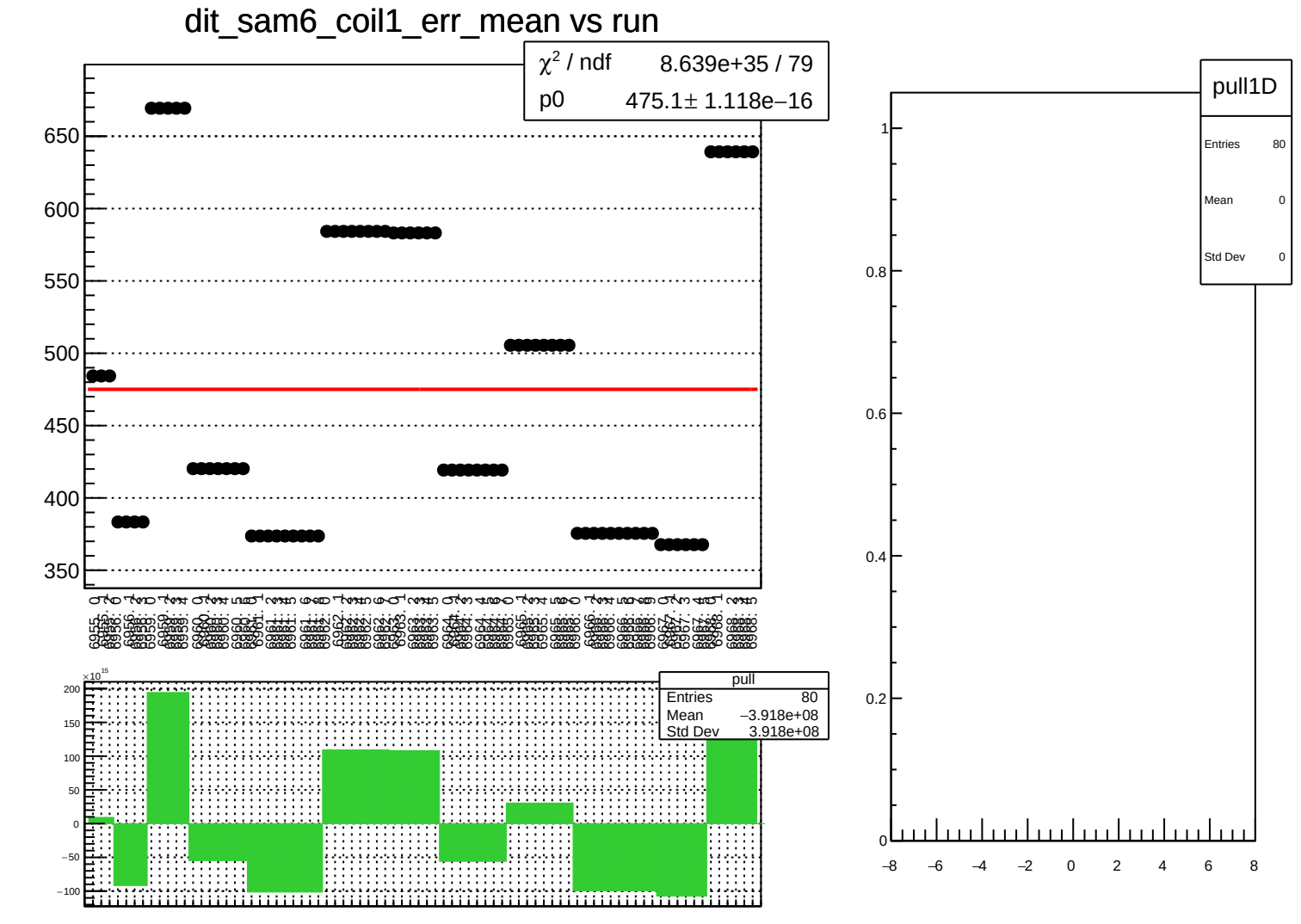

dit_sam5_coil1_err_mean vs run
χ^2 / ndf 2.215e+35 / 79
p0 314.8 ± 1.118e−16
pull
Entries 80
Mean 6.119e+08
Std Dev 6.119e+08

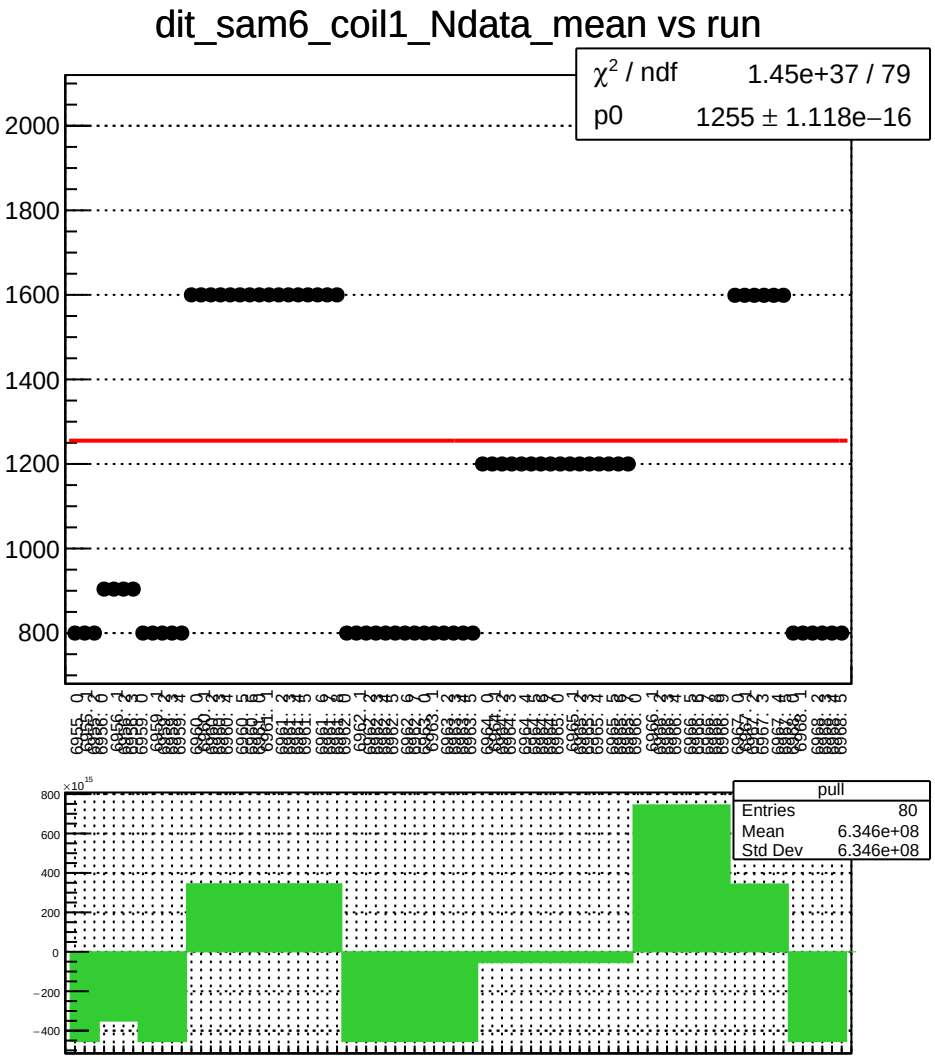

pull1D
Entries 80
Mean 0
Std Dev 0

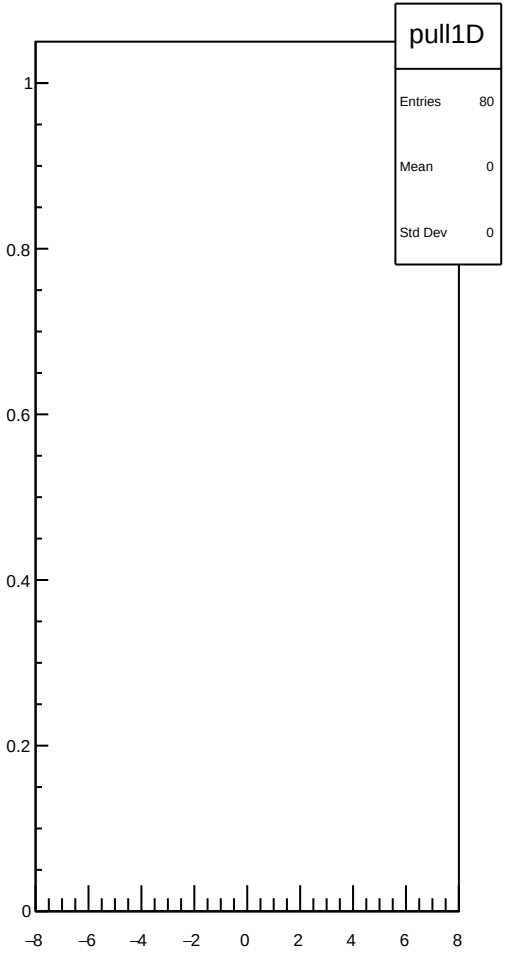

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10¹⁵
800
600
400
200
0
−200
−400

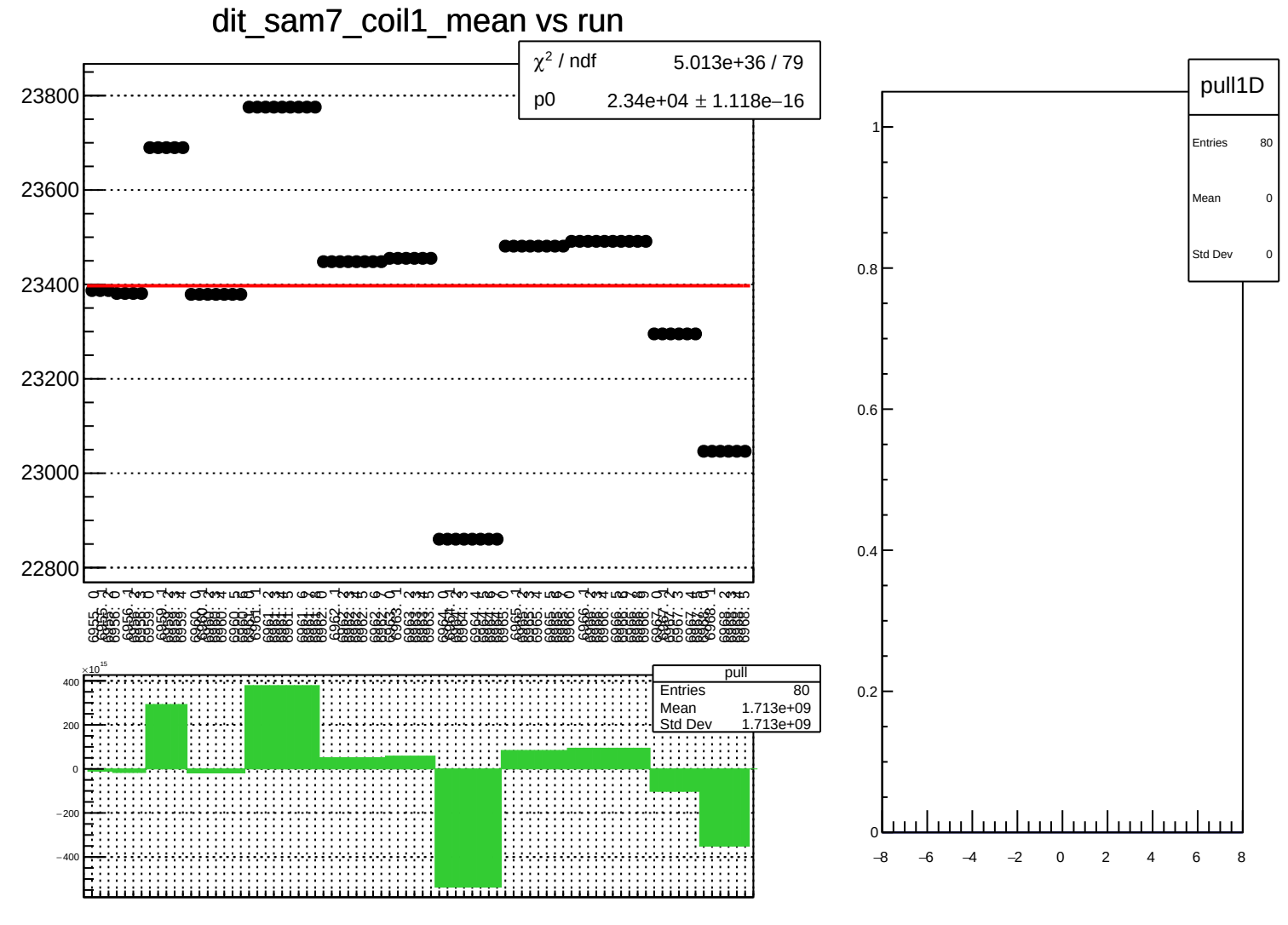

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

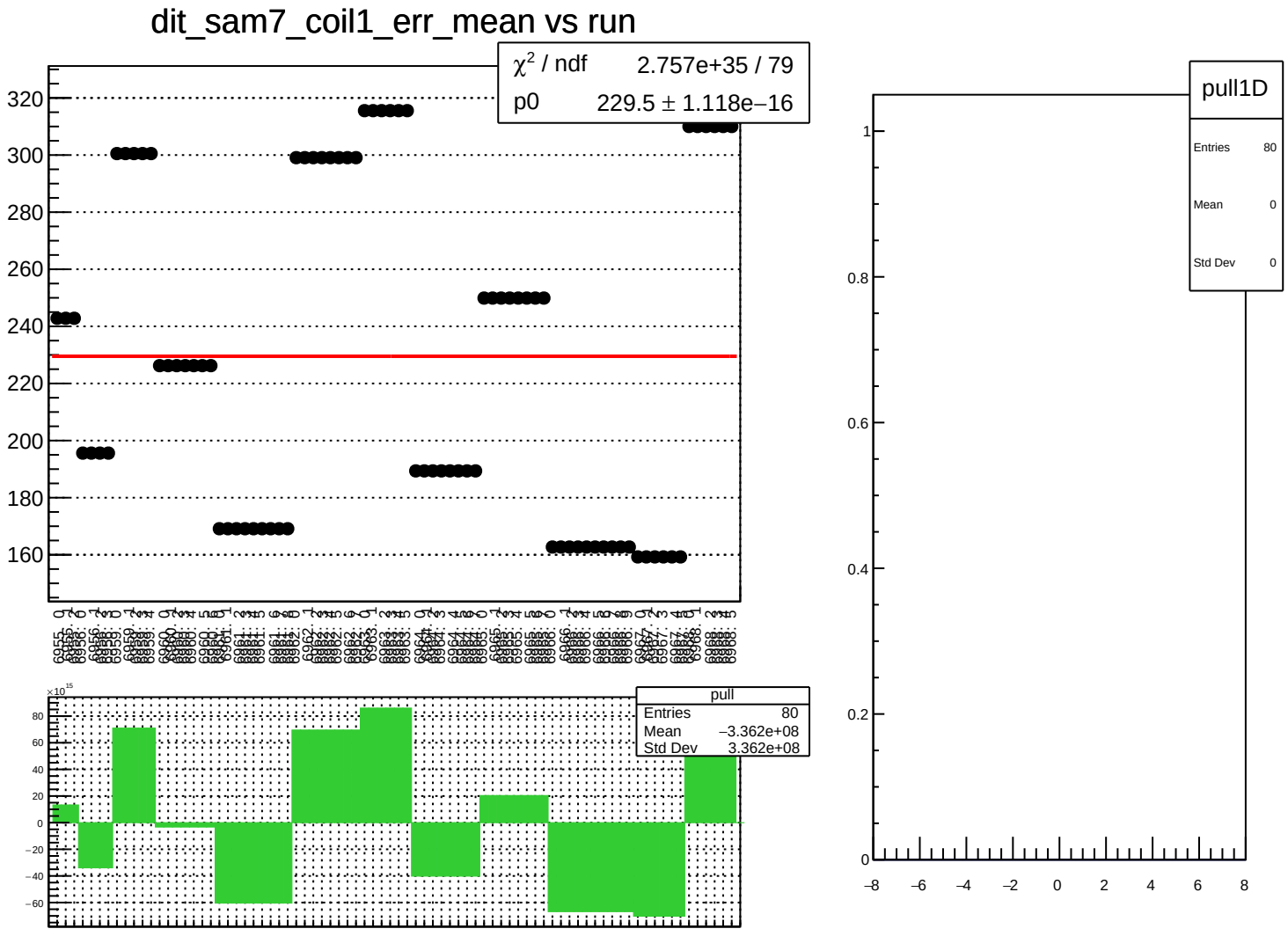

dit_sam6_coil1_mean vs run
χ² / ndf 3.389e+37 / 79
p0 −3.42e+04 ± 1.118e−16
−32000
−32500
−33000
−33500
−34000
−34500
−35000
pull
Entries 80
Mean 3.023e+09
Std Dev 3.023e+09
×10^15
2000
1500
1000
500
0
−500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil1_err_mean vs run
χ² / ndf 8.639e+35 / 79
p0 475.1± 1.118e−16
650
600
550
500
450
400
350
pull
Entries 80
Mean −3.918e+08
Std Dev 3.918e+08
×10¹⁵
200
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

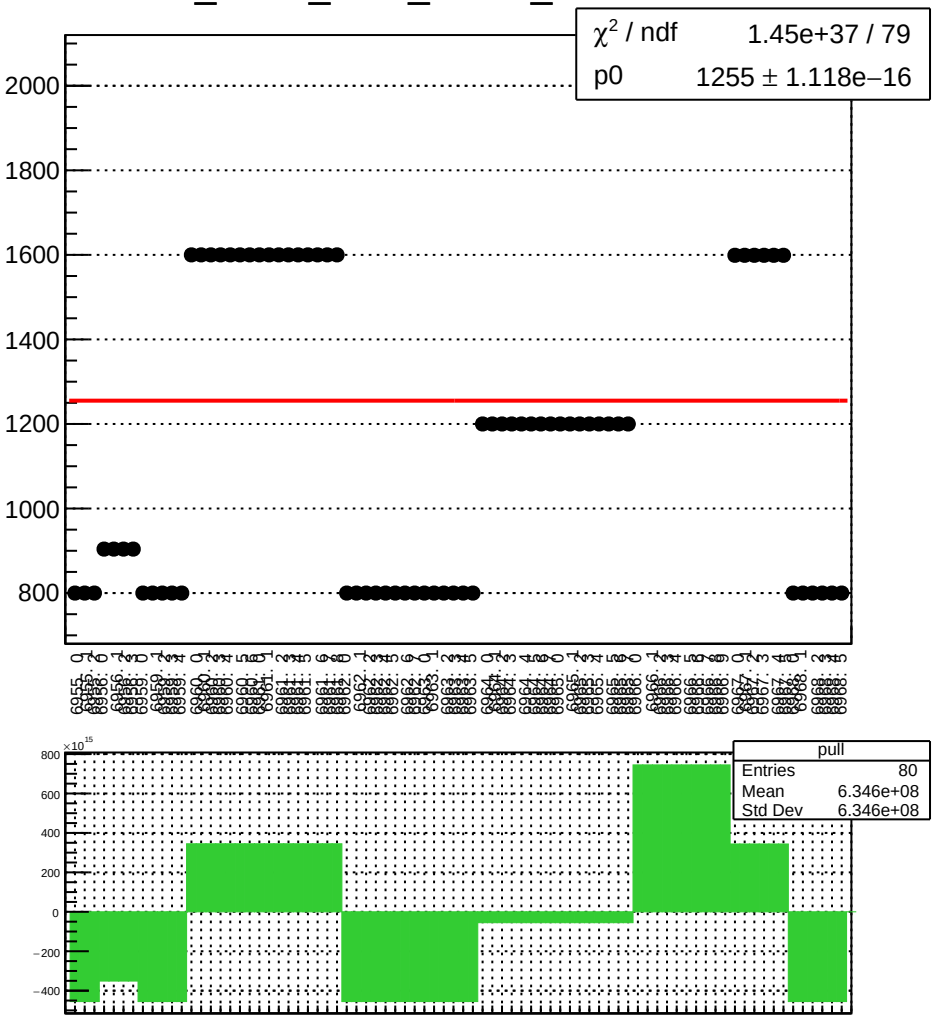

dit_sam6_coil1_Ndata_mean vs run
χ^2 / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
$\times 10^{15}$
800
600
400
200
0
−200
−400

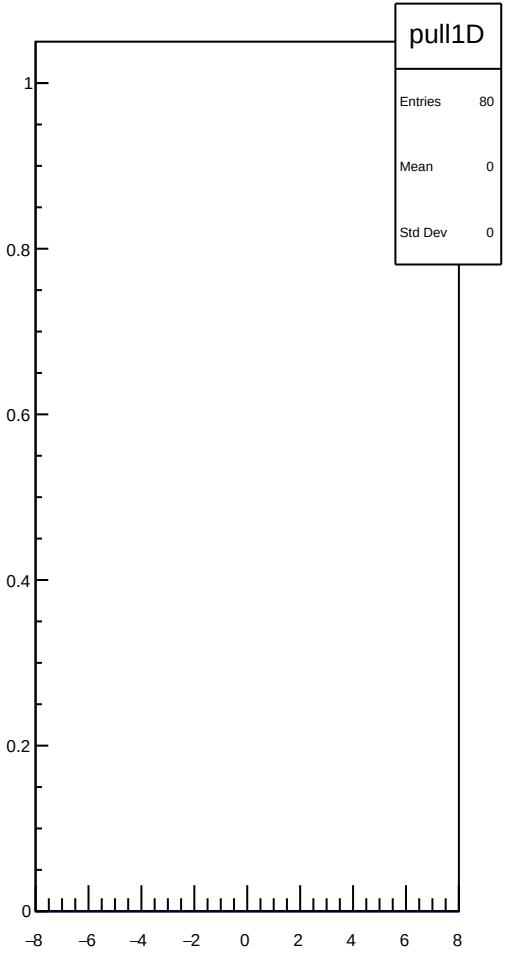

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

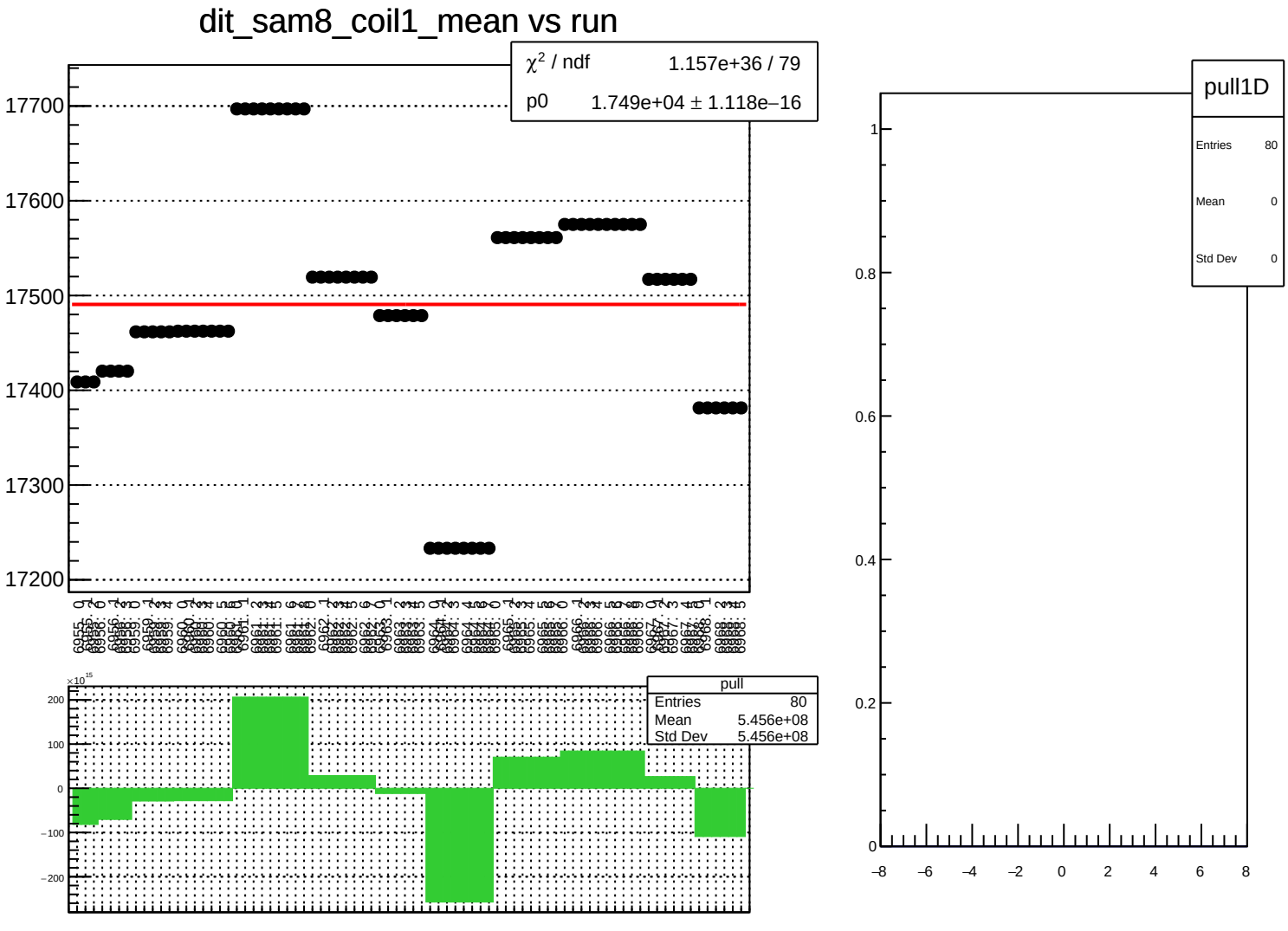

dit_sam7_coil1_mean vs run
χ² / ndf 5.013e+36 / 79
p0 2.34e+04 ± 1.118e−16
23800
23600
23400
23200
23000
22800
pull
Entries 80
Mean 1.713e+09
Std Dev 1.713e+09
×10^15
400
200
0
−200
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

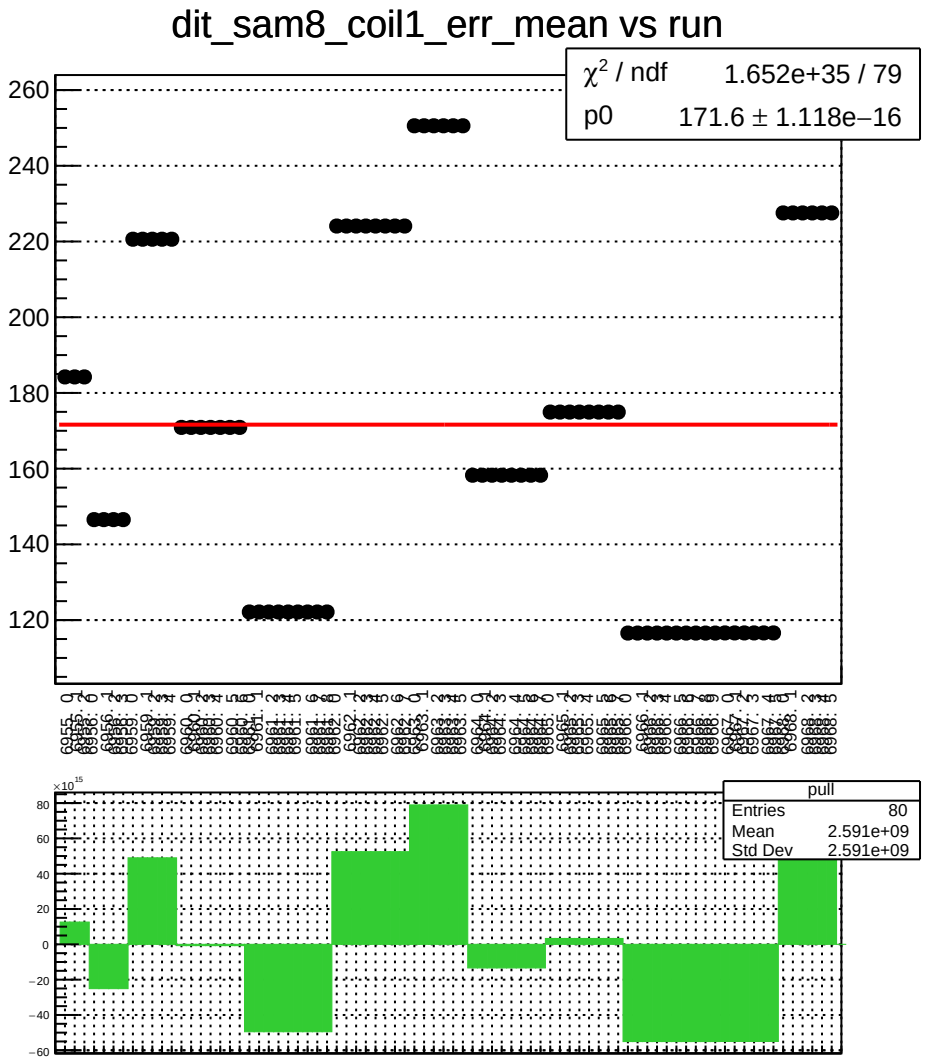

dit_sam7_coil1_err_mean vs run
χ² / ndf 2.757e+35 / 79
p0 229.5 ± 1.118e−16
pull
Entries 80
Mean −3.362e+08
Std Dev 3.362e+08
pull1D
Entries 80
Mean 0
Std Dev 0

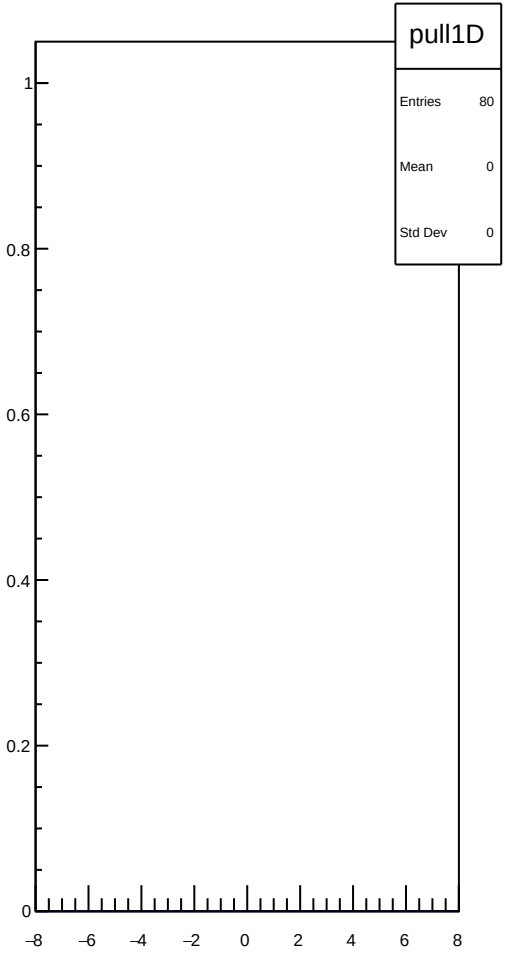
dit_sam7_coil1_Ndata_mean vs run

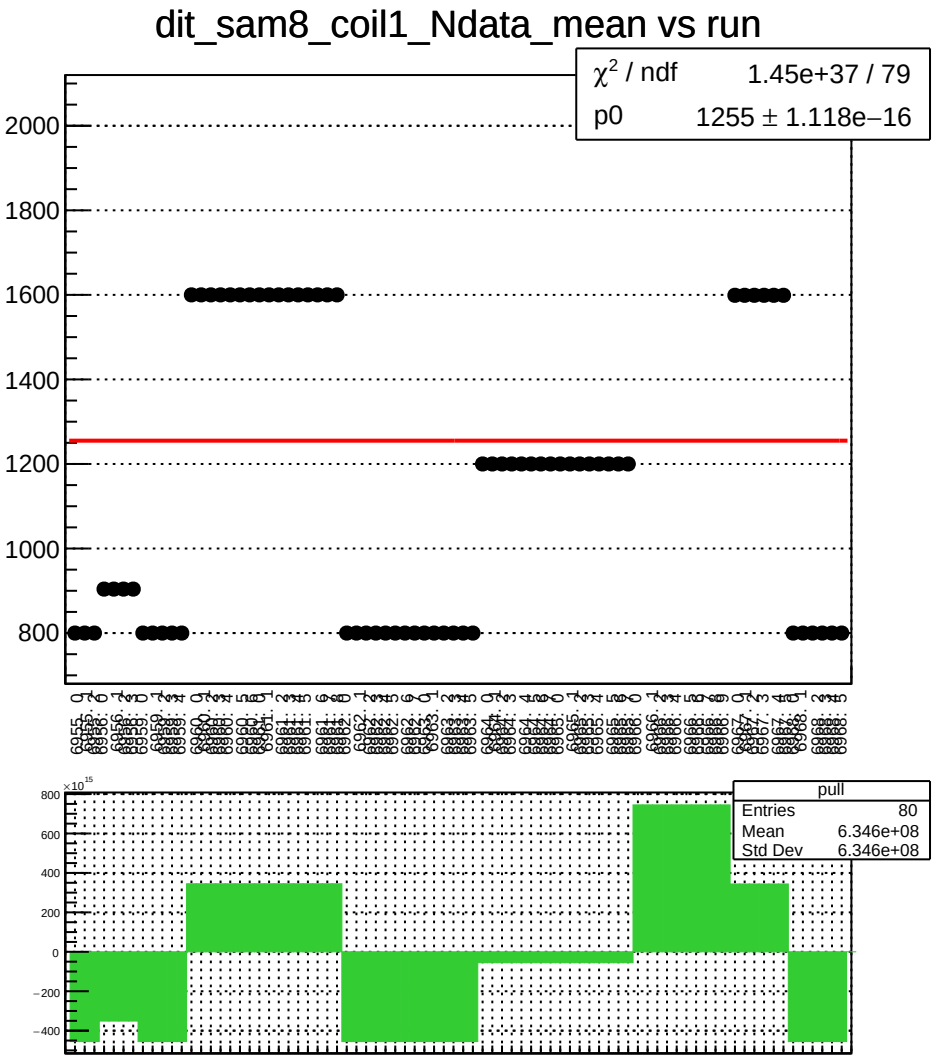


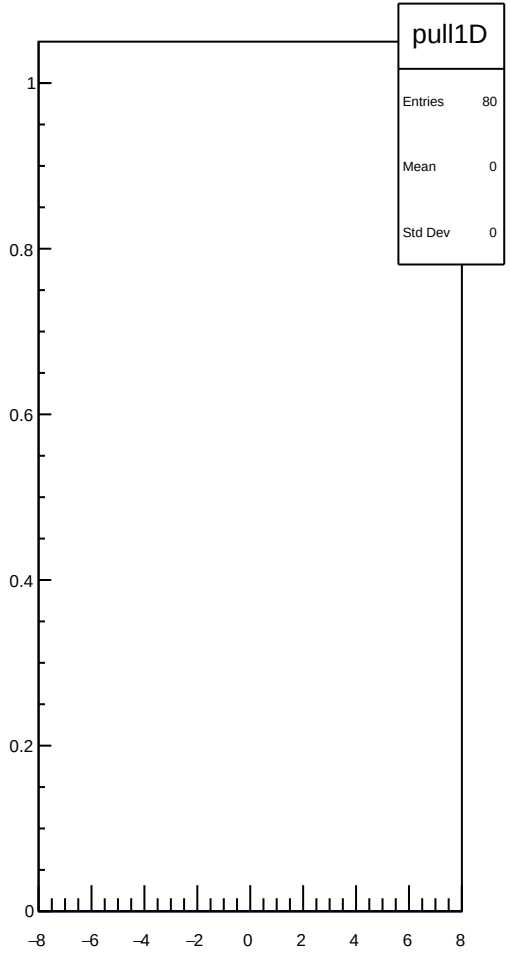



dit_sam8_coil1_mean vs run
χ² / ndf 1.157e+36 / 79
p0 1.749e+04 ± 1.118e−16
17700
17600
17500
17400
17300
17200
pull
Entries 80
Mean 5.456e+08
Std Dev 5.456e+08
×10^15
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

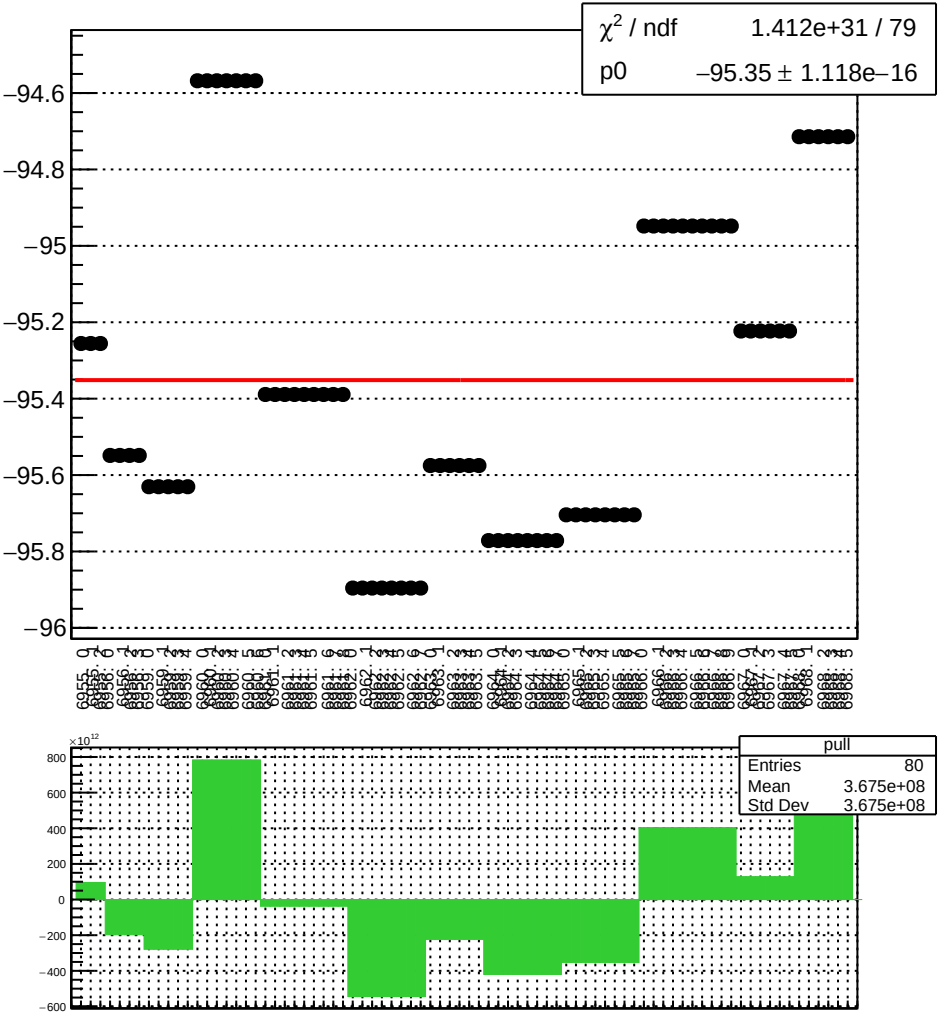

dit_sam8_coil1_err_mean vs run
χ² / ndf 1.652e+35 / 79
p0 171.6 ± 1.118e−16
pull
Entries 80
Mean 2.591e+09
Std Dev 2.591e+09

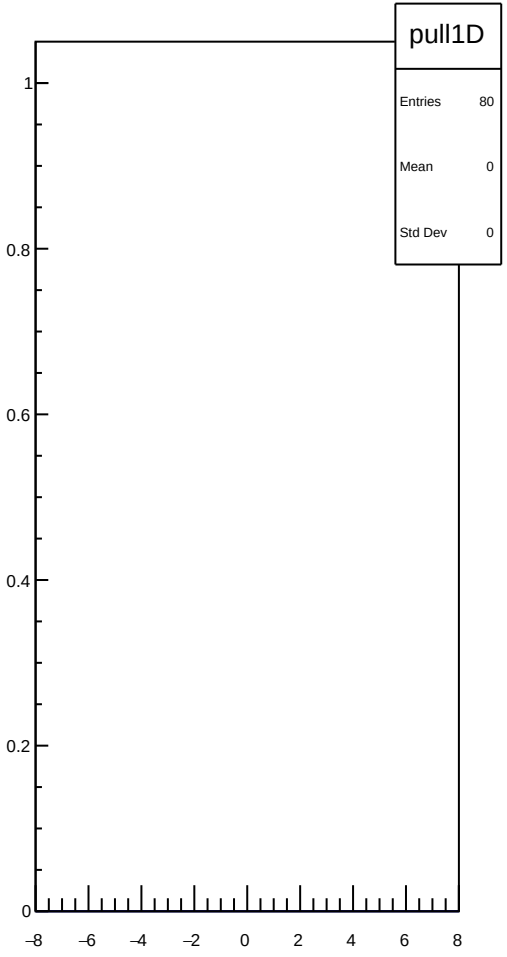

pull1D
Entries 80
Mean 0
Std Dev 0


dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.45e+37 / 79
p0 1255 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.346e+08
Std Dev 6.346e+08
×10^15
800
600
400
200
0
−200
−400

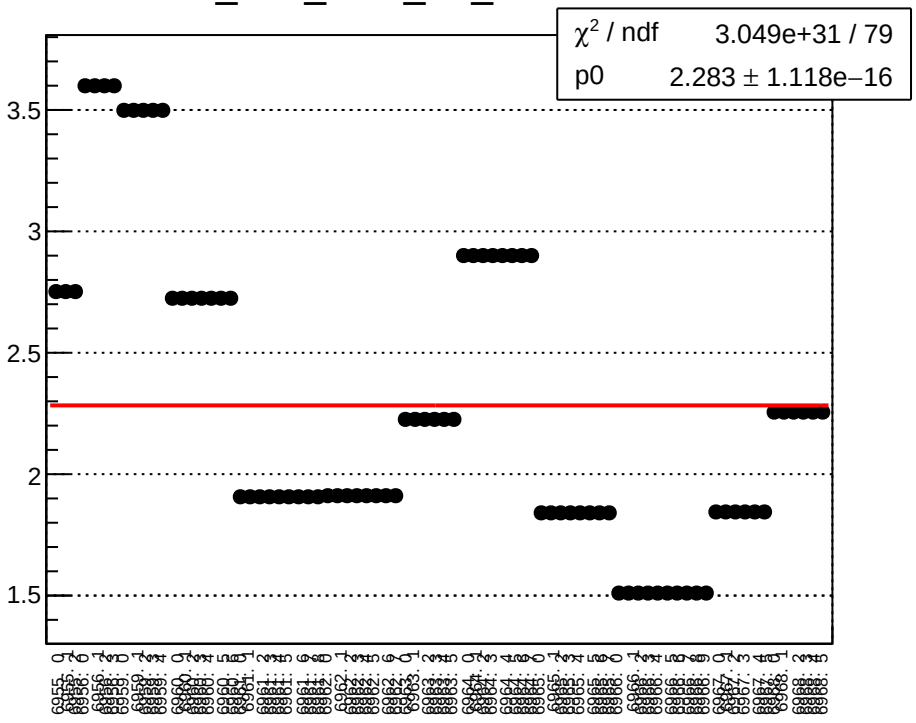

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

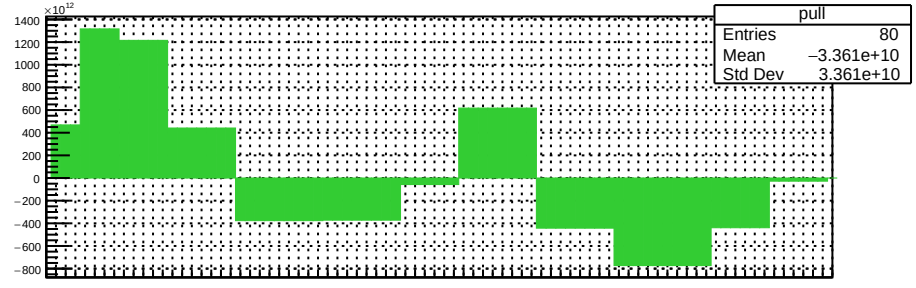
dit_4aX_coil3_mean vs run

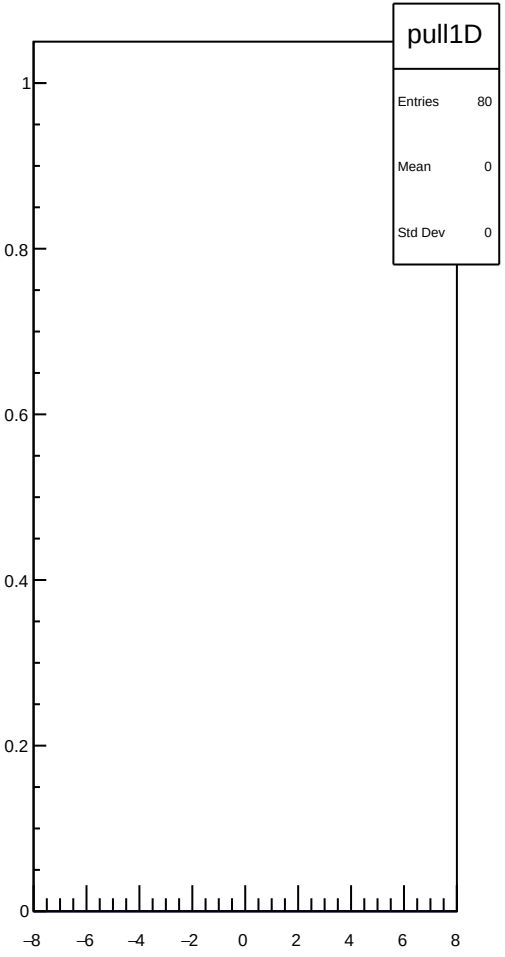




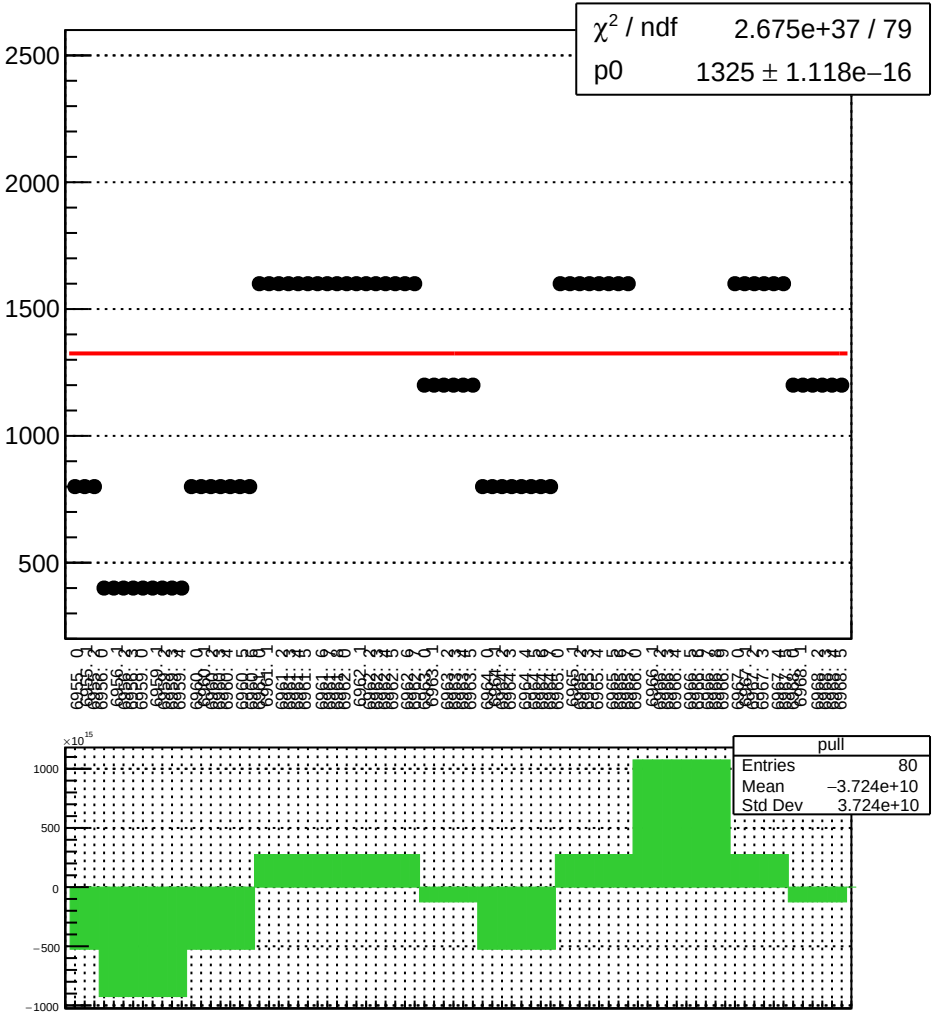
dit_4aX_coil3_err_mean vs run

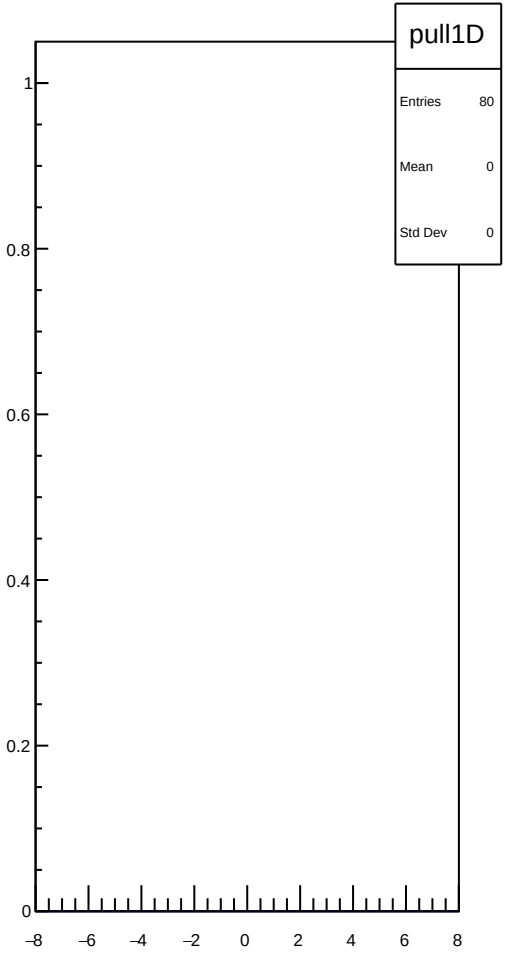


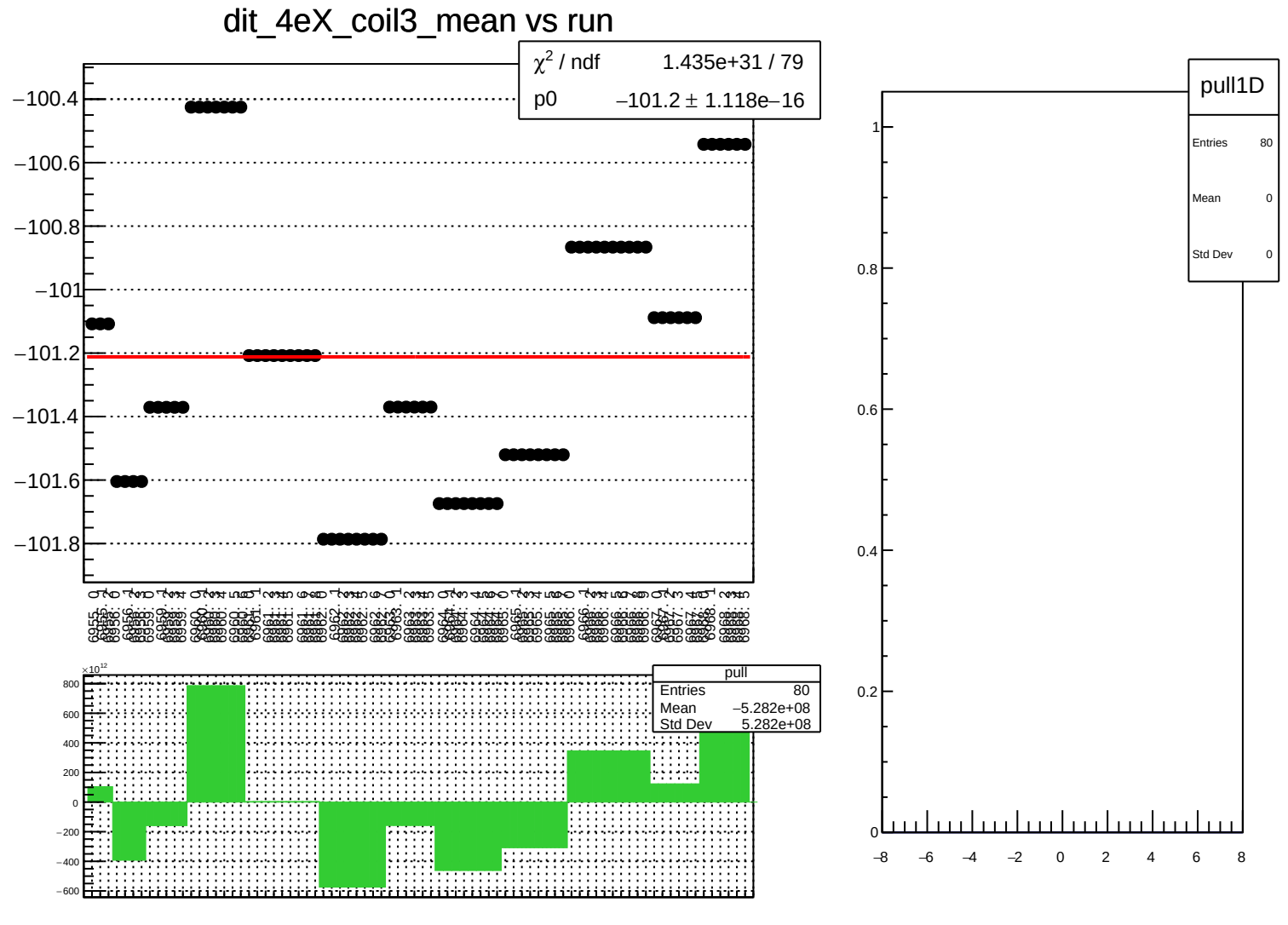




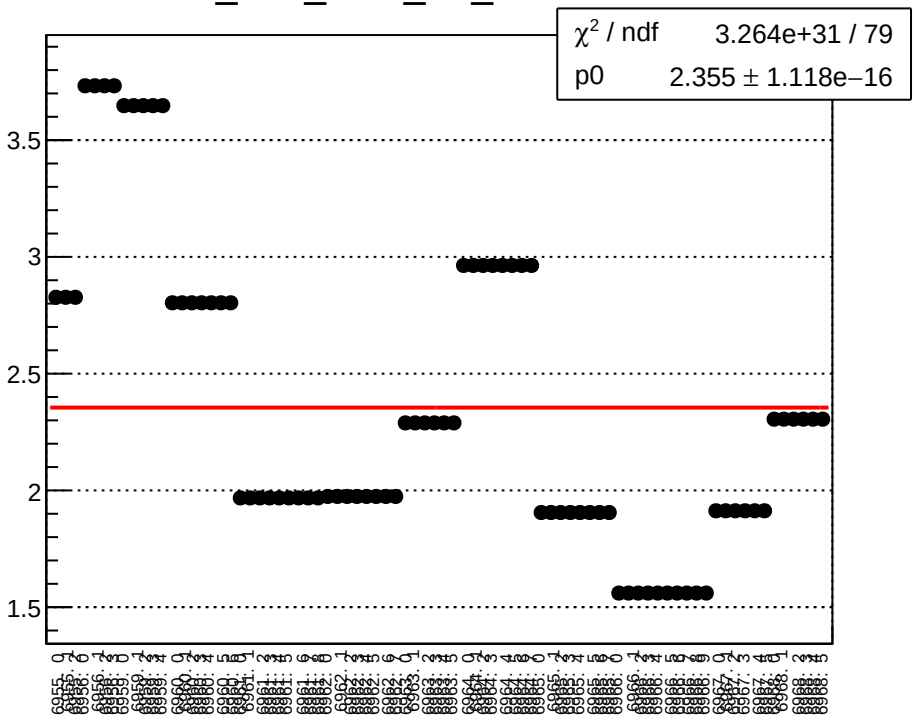
dit_4aX_coil3_Ndata_mean vs run

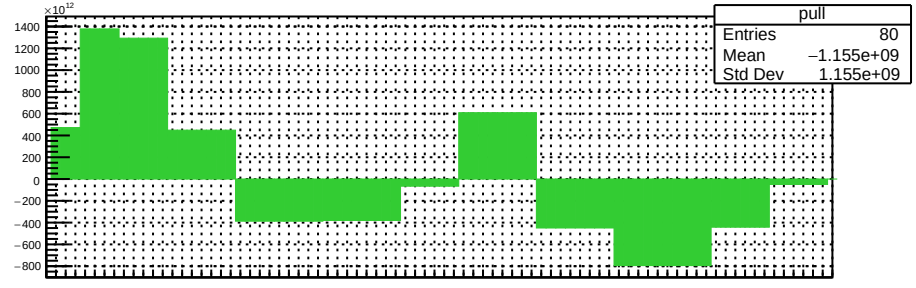


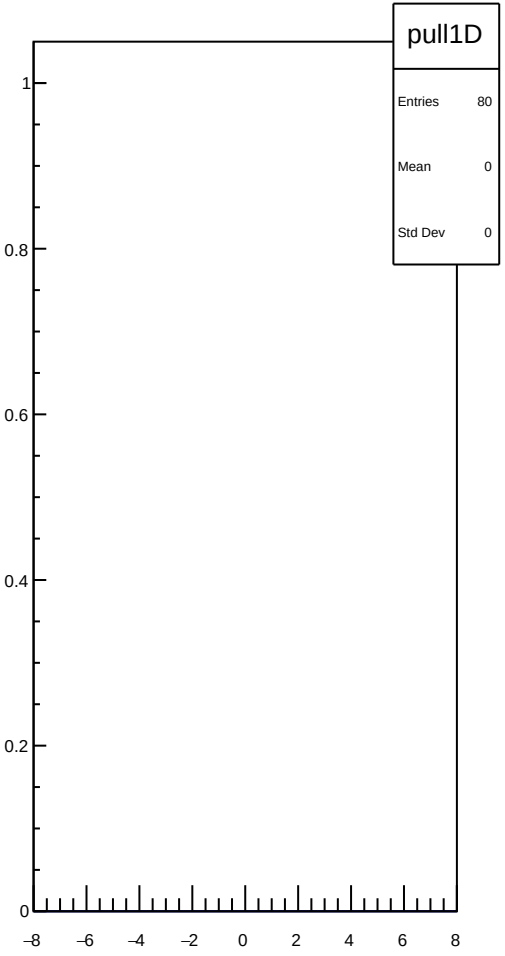



dit_4eX_coil3_mean vs run
χ² / ndf 1.435e+31 / 79
p0 −101.2 ± 1.118e−16
−100.4
−100.6
−100.8
−101
−101.2
−101.4
−101.6
−101.8
pull
Entries 80
Mean −5.282e+08
Std Dev 5.282e+08
×10¹²
800
600
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

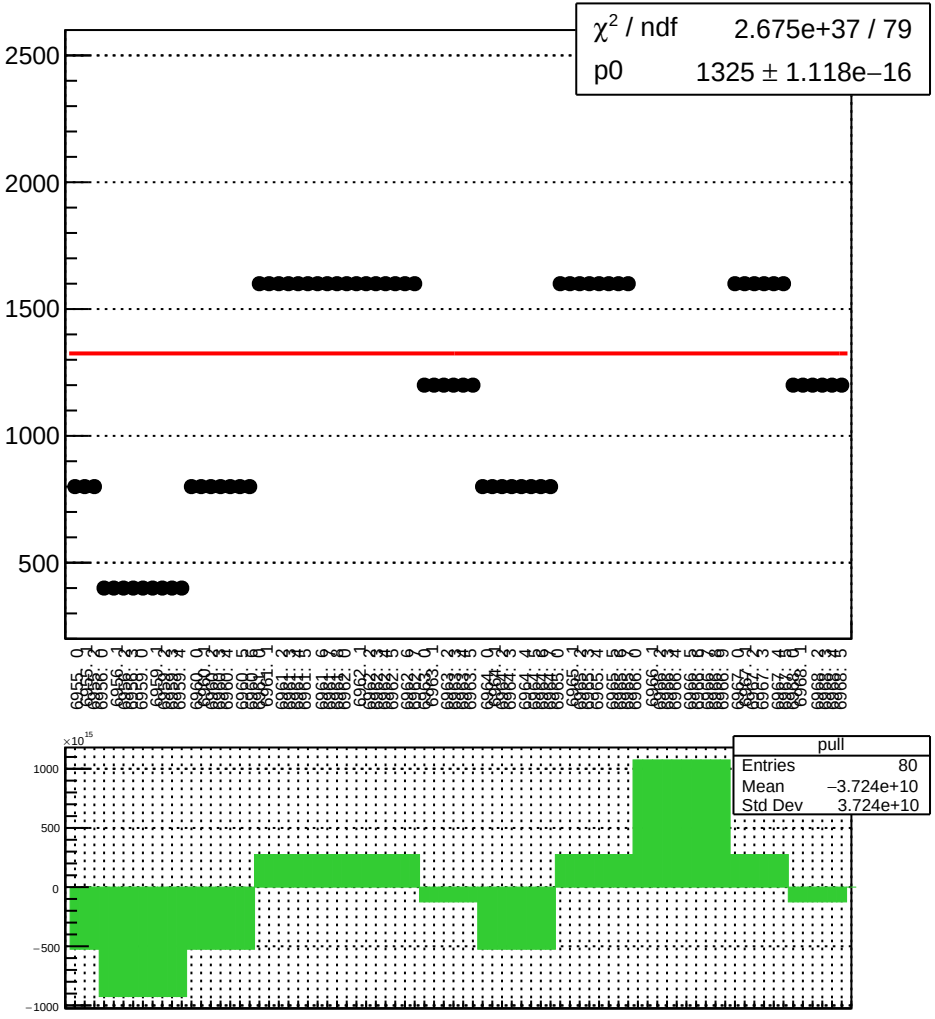
dit_4eX_coil3_err_mean vs run

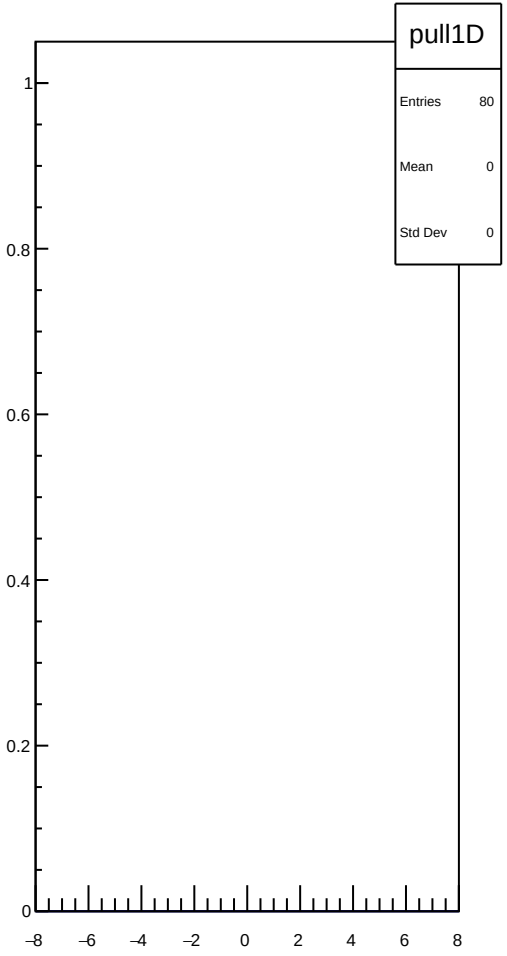


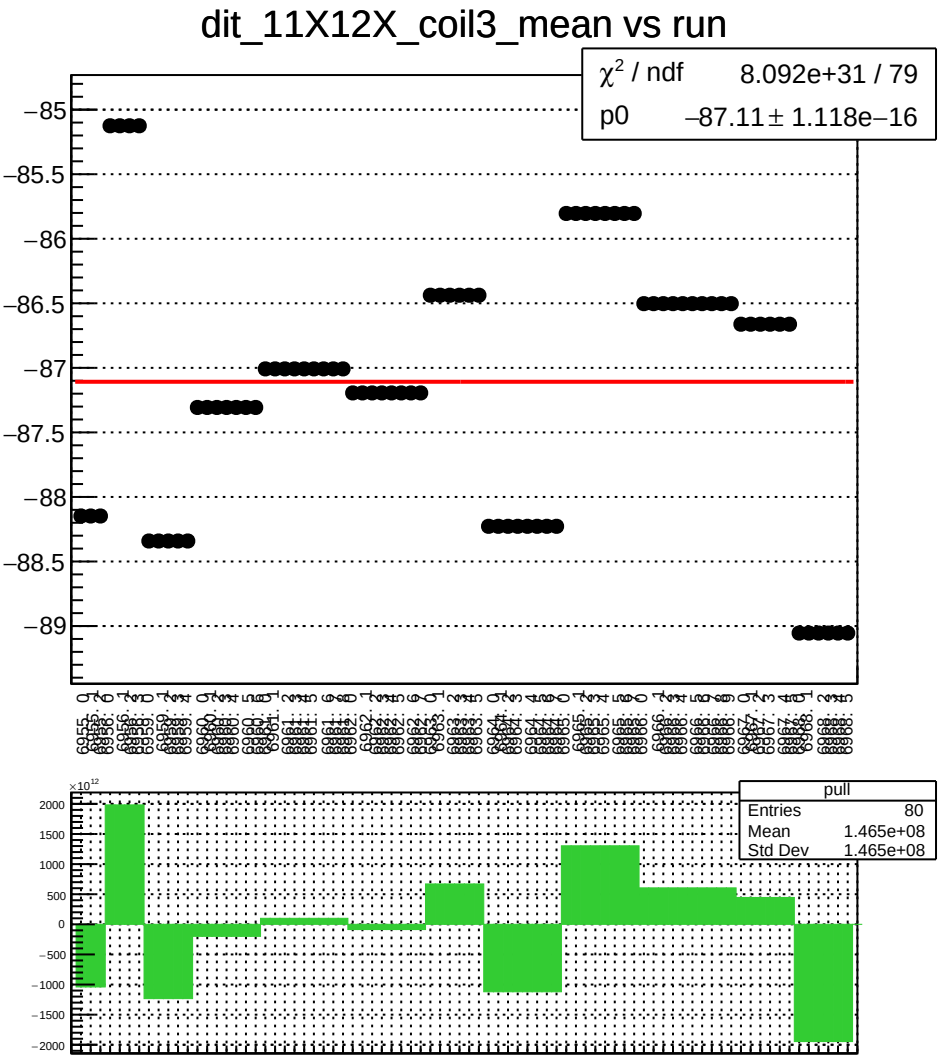


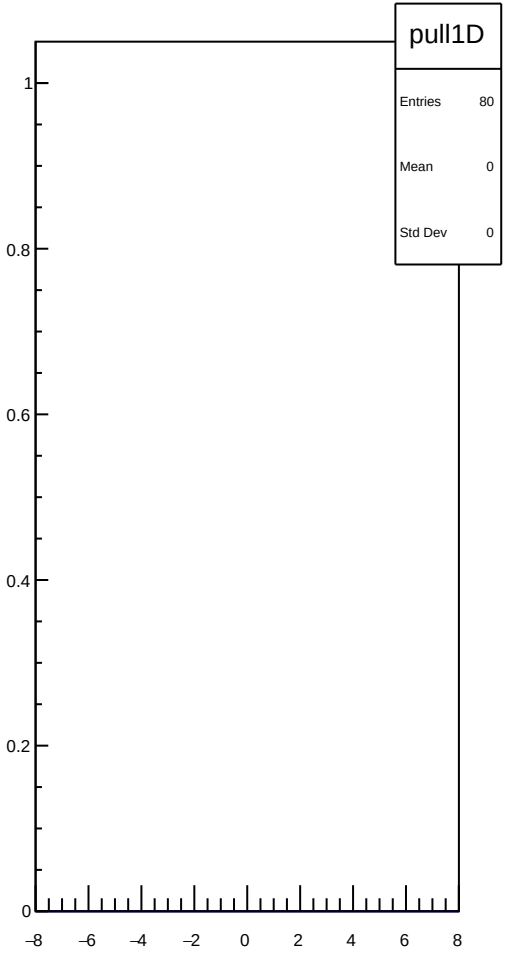


dit_4eX_coil3_Ndata_mean vs run

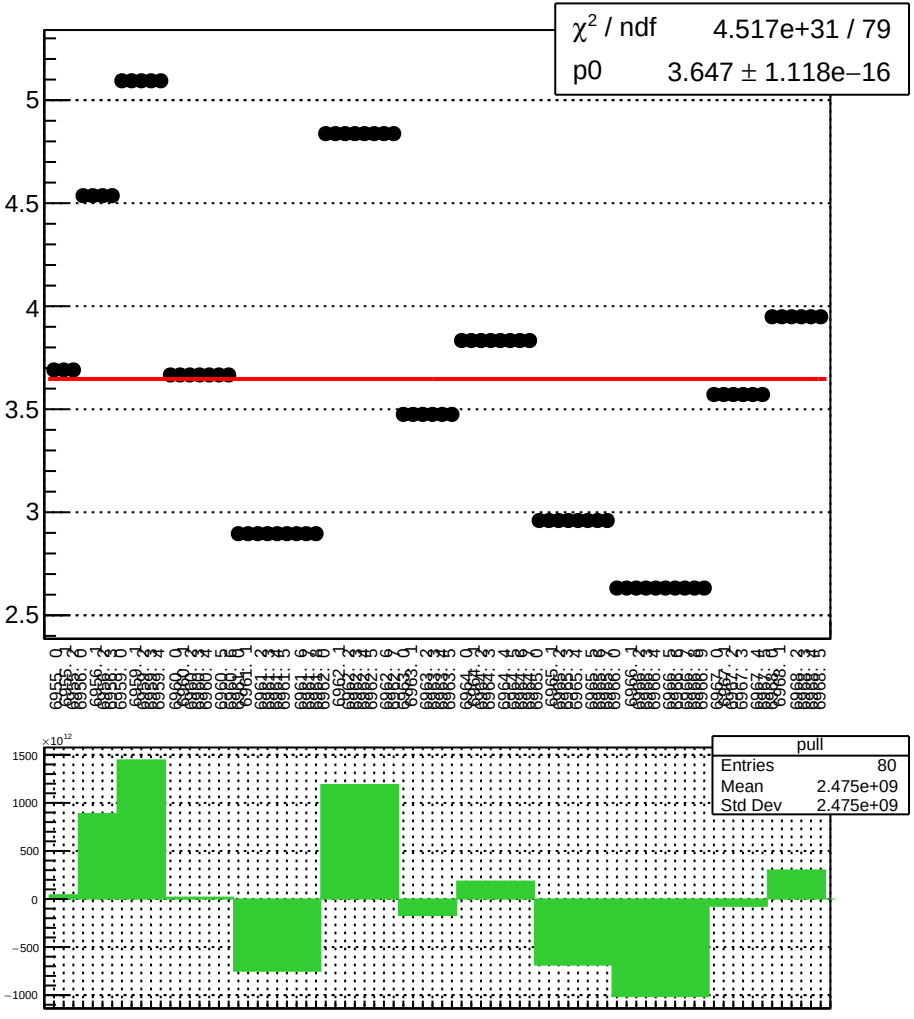


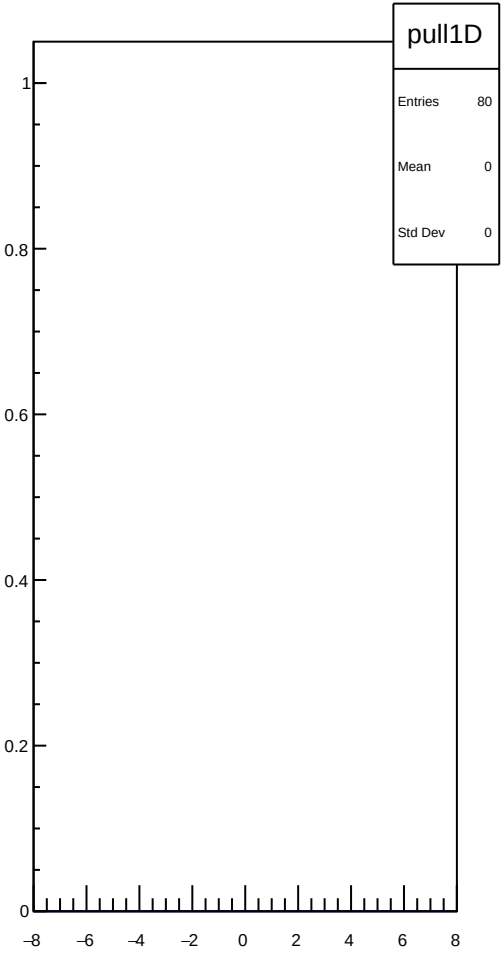


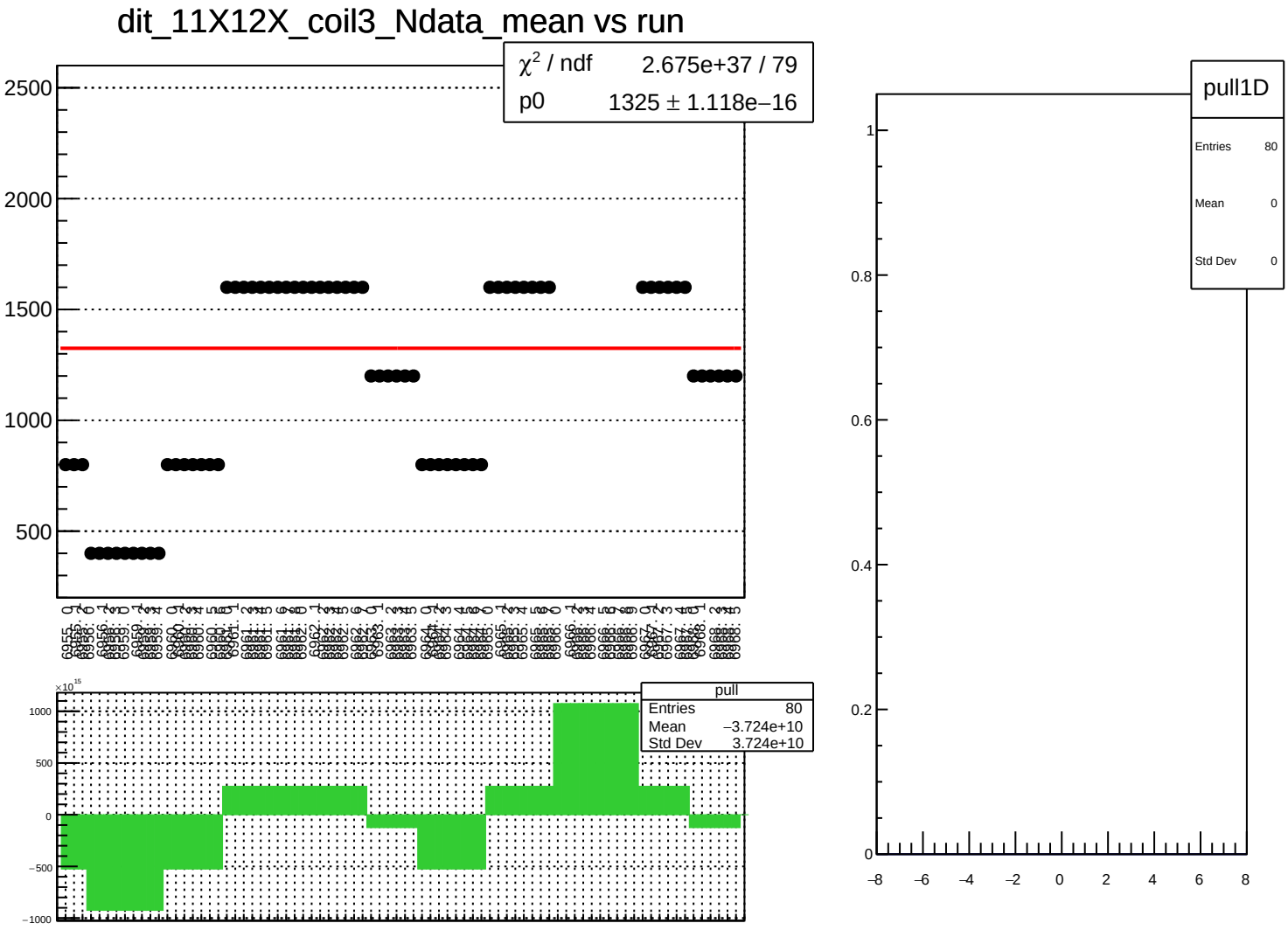

dit_11X12X_coil3_mean vs run
χ² / ndf 8.092e+31 / 79
p0 −87.11 ± 1.118e−16
−85
−85.5
−86
−86.5
−87
−87.5
−88
−88.5
−89
pull
Entries 80
Mean 1.465e+08
Std Dev 1.465e+08
×10¹²
2000
1500
1000
500
0
−500
−1000
−1500
−2000

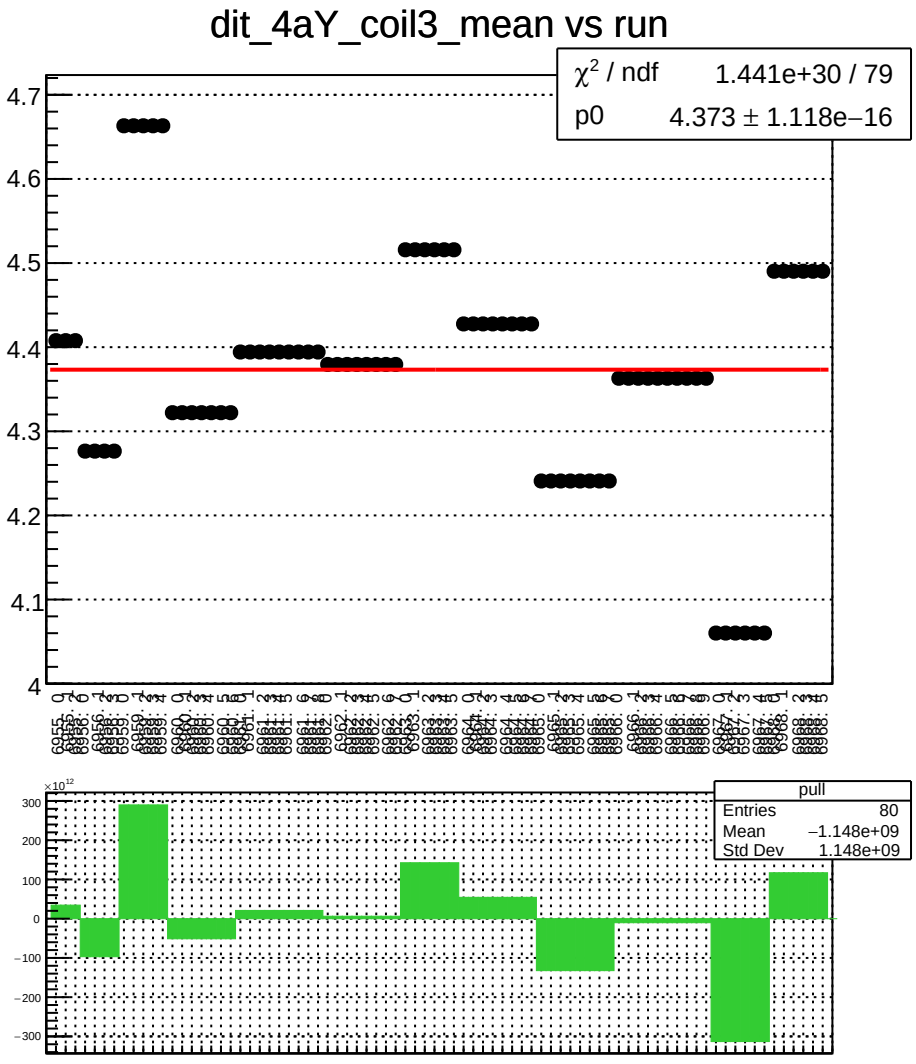

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

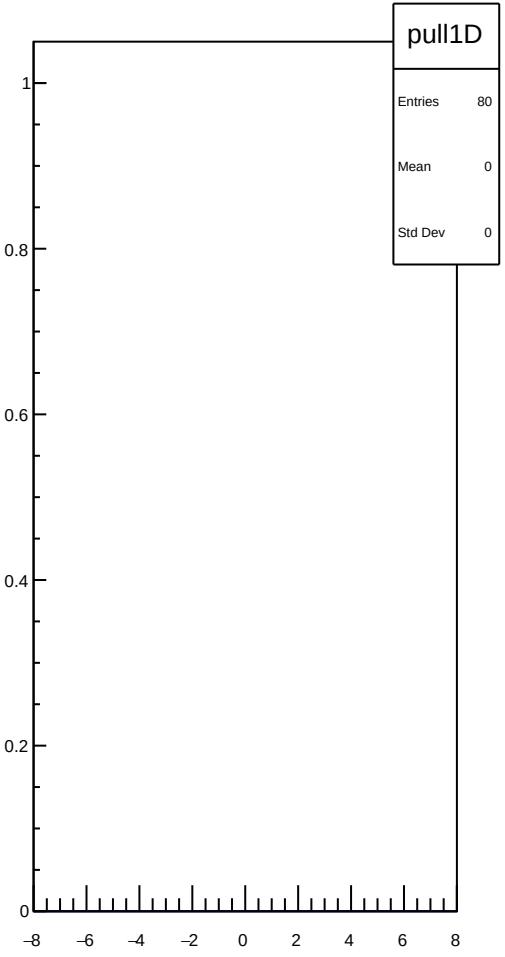
dit_11X12X_coil3_err_mean vs run

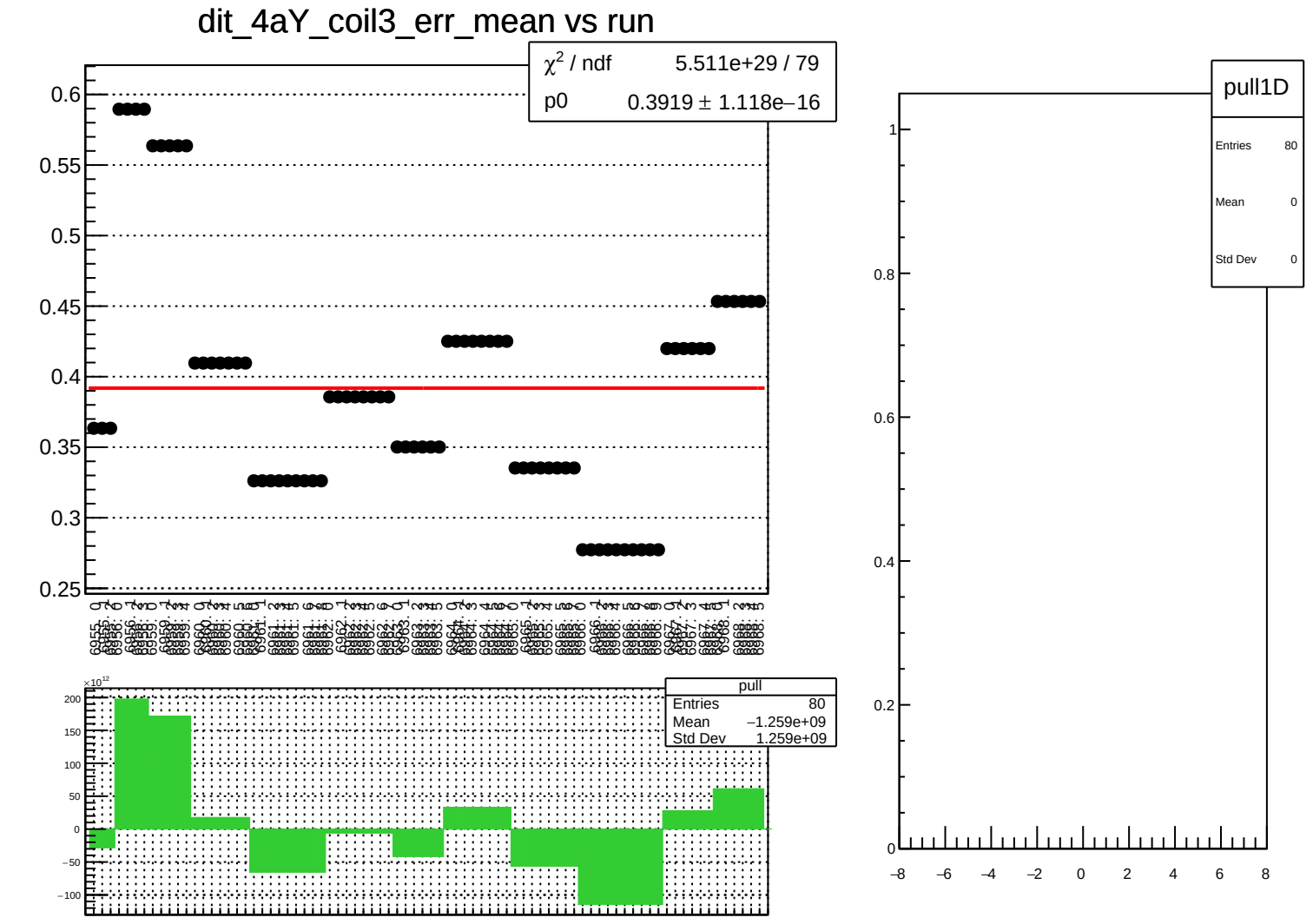




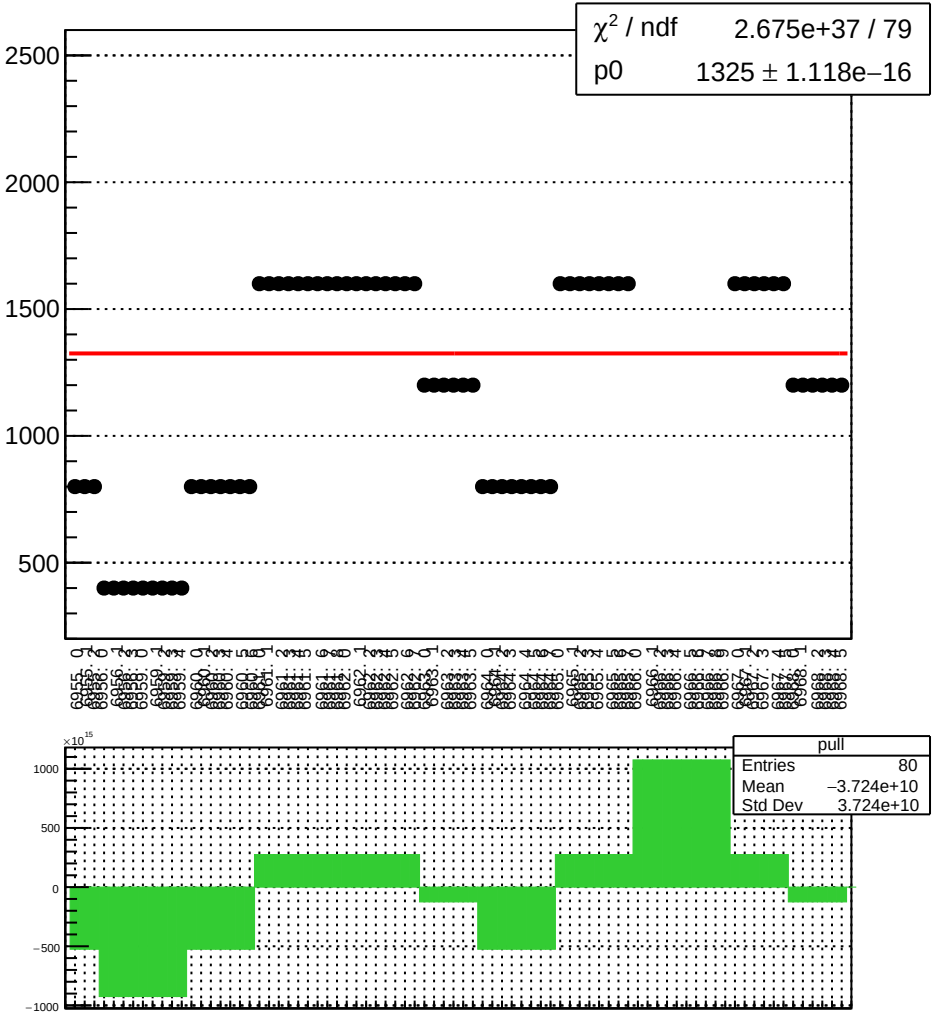

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

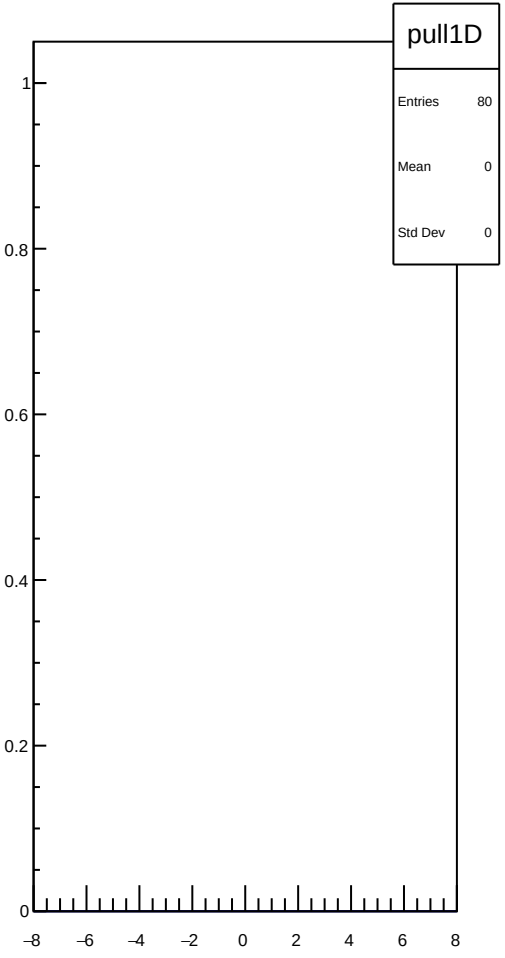

dit_4aY_coil3_mean vs run
χ² / ndf 1.441e+30 / 79
p0 4.373 ± 1.118e−16
pull
Entries 80
Mean −1.148e+09
Std Dev 1.148e+09

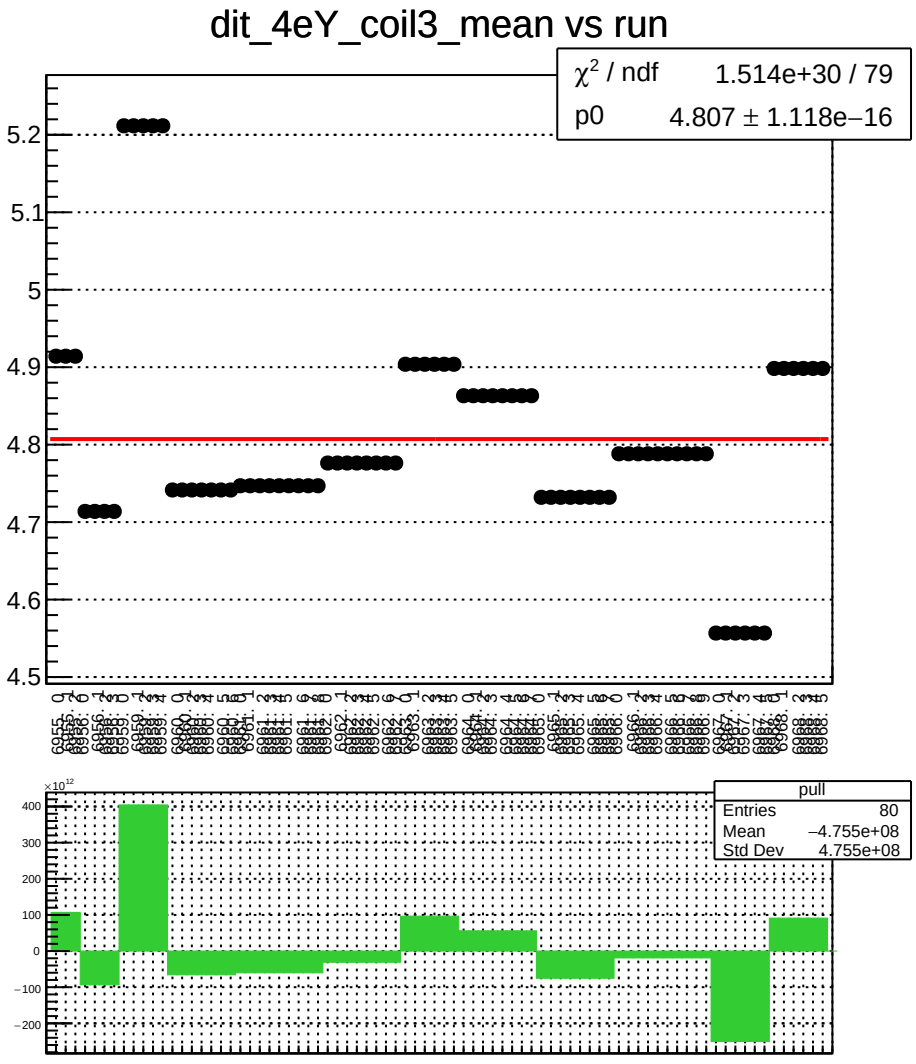

pull1D
Entries 80
Mean 0
Std Dev 0

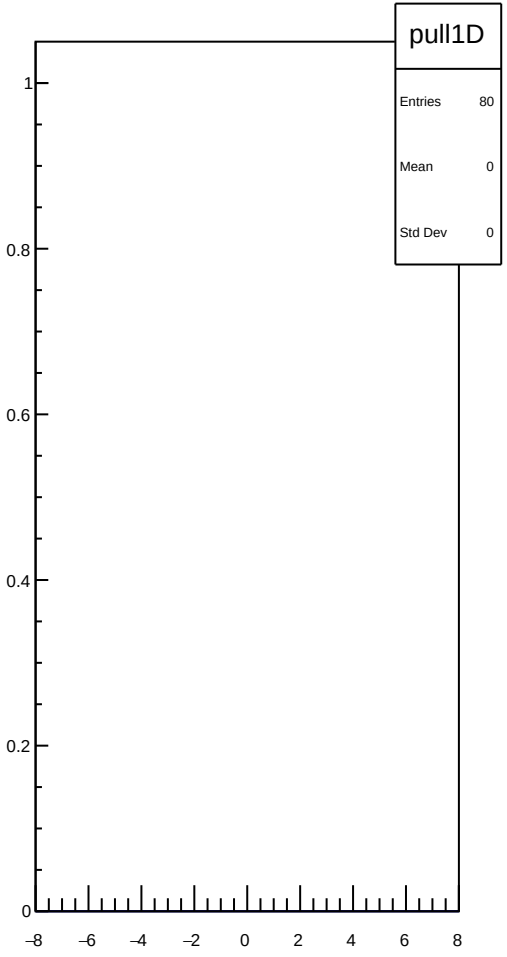

dit_4aY_coil3_err_mean vs run
χ² / ndf 5.511e+29 / 79
p0 0.3919 ± 1.118e−16
pull
Entries 80
Mean −1.259e+09
Std Dev 1.259e+09
pull1D
Entries 80
Mean 0
Std Dev 0

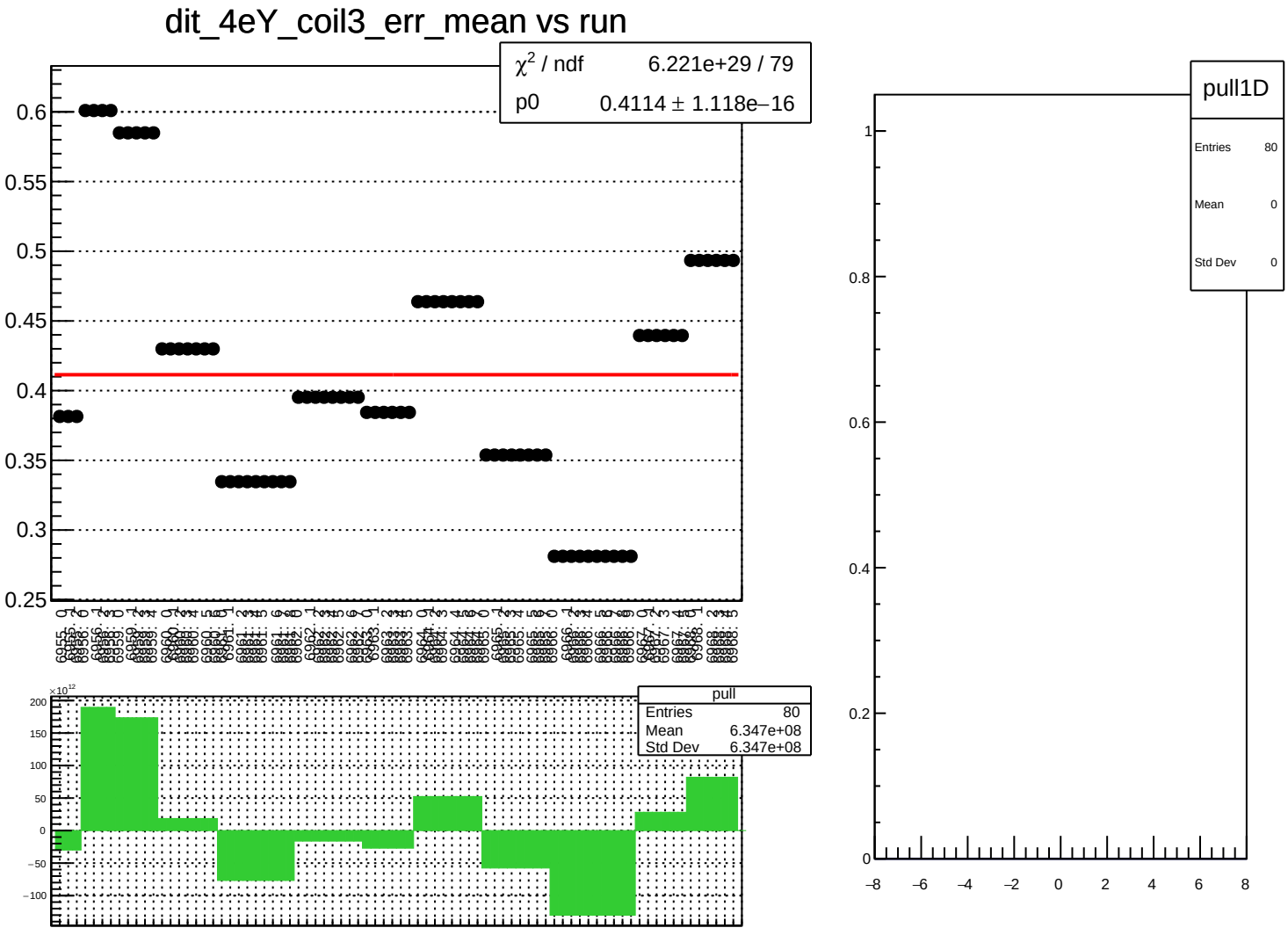
dit_4aY_coil3_Ndata_mean vs run



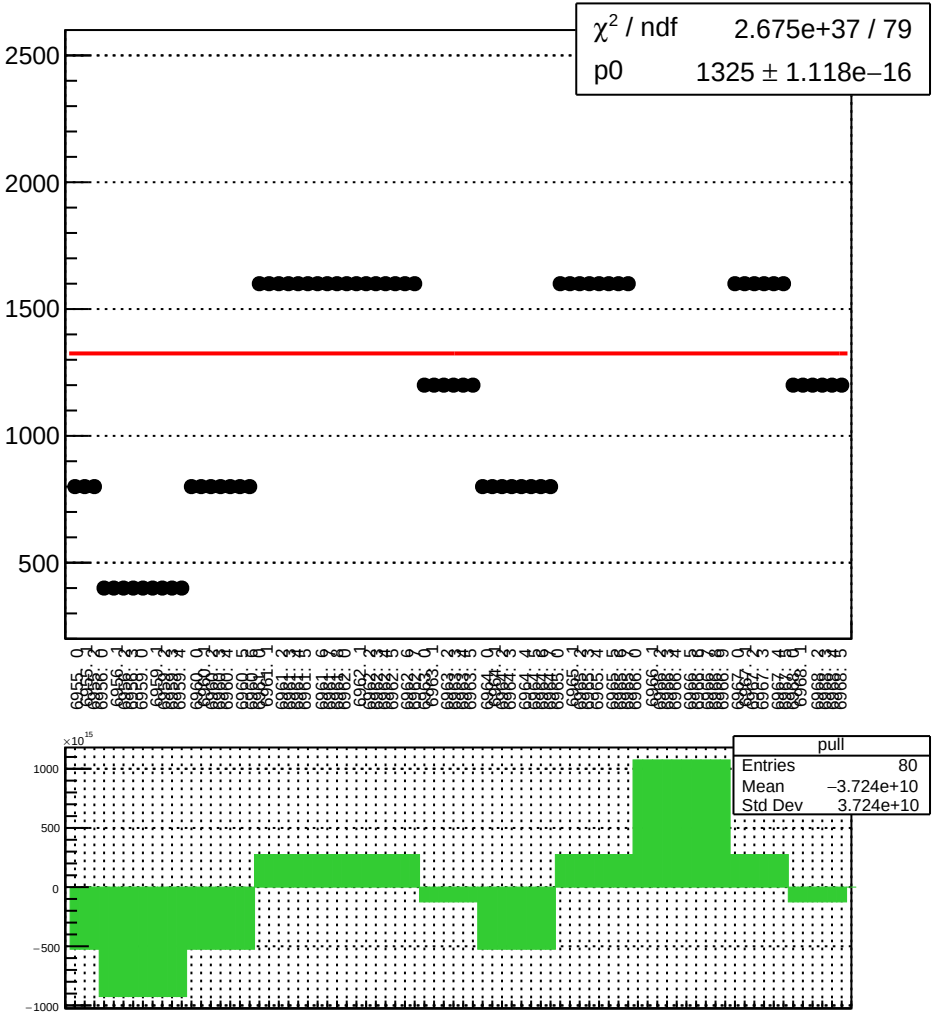


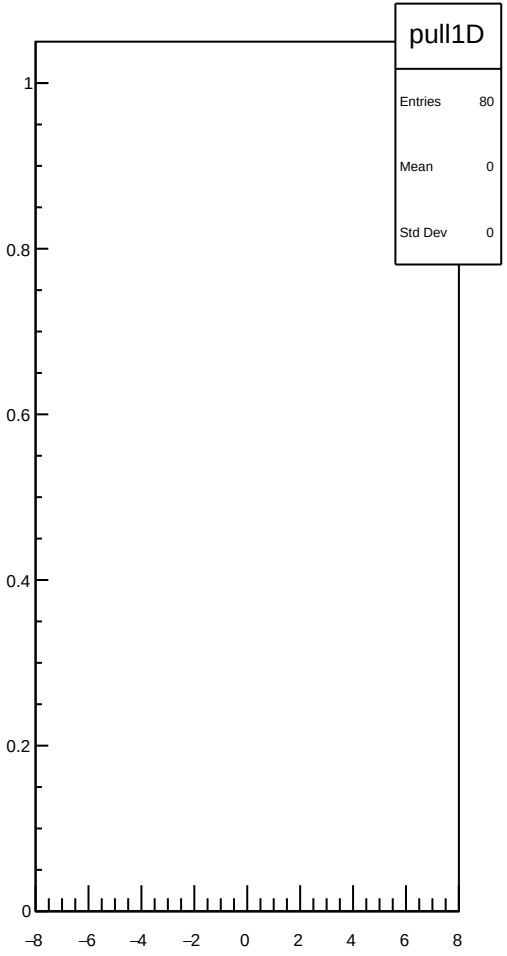

dit_4eY_coil3_mean vs run
χ^2 / ndf 1.514e+30 / 79
p0 4.807 ± 1.118e−16
5.2
5.1
5
4.9
4.8
4.7
4.6
4.5
pull
Entries 80
Mean −4.755e+08
Std Dev 4.755e+08
$\times 10^{12}$
400
300
200
100
0
−100
−200

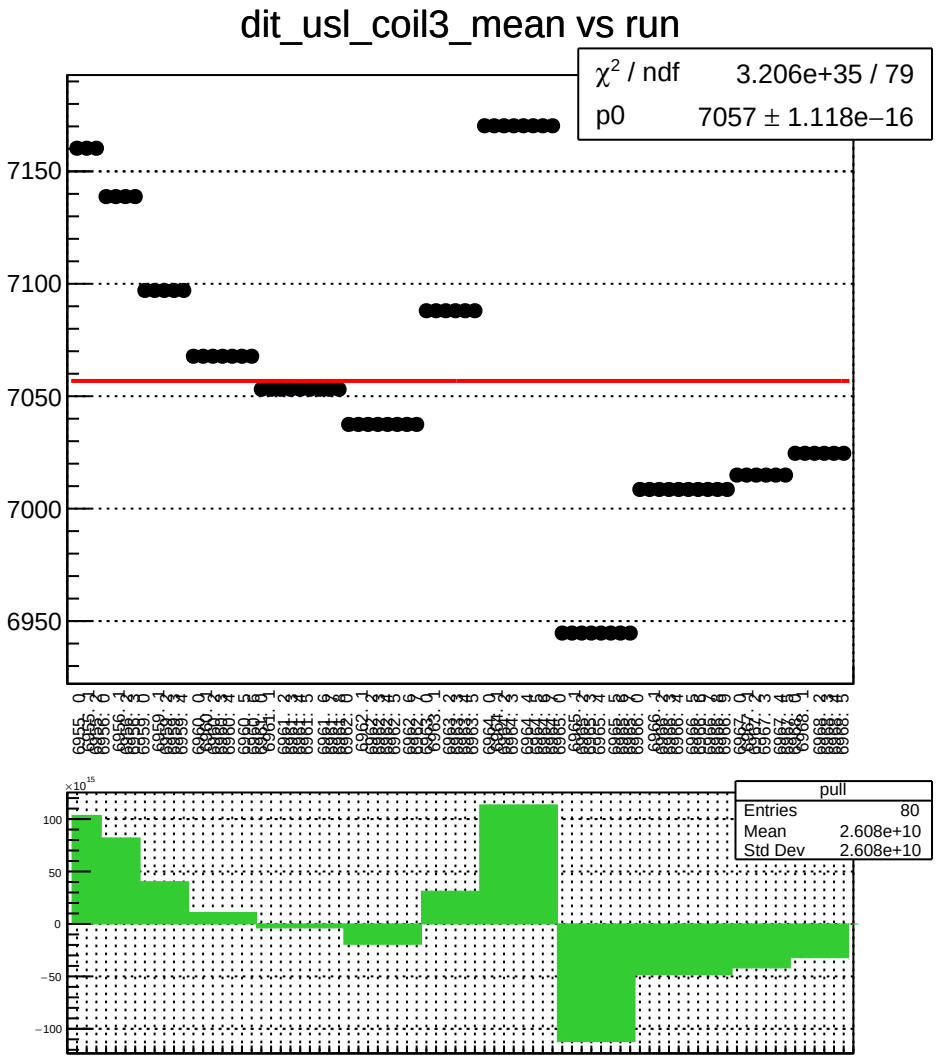

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

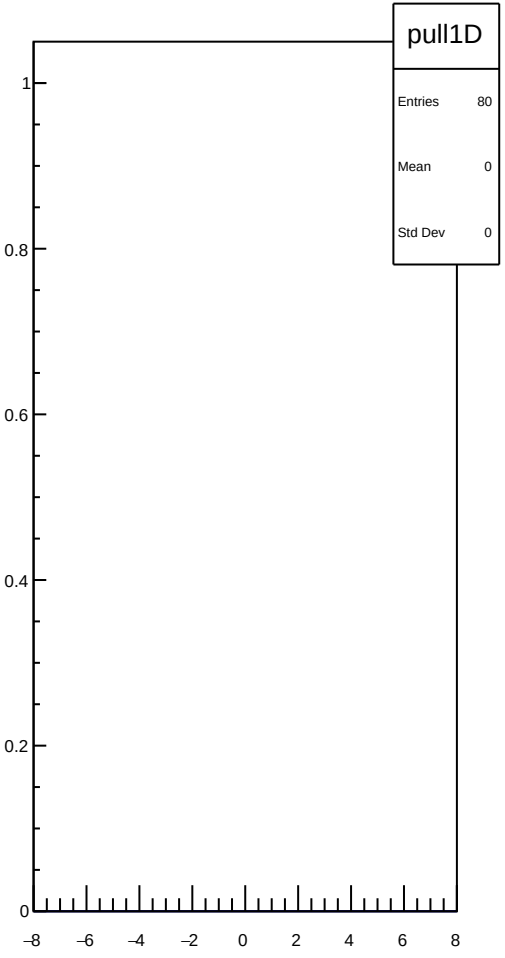

dit_4eY_coil3_err_mean vs run
χ² / ndf 6.221e+29 / 79
p0 0.4114 ± 1.118e−16
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
pull
Entries 80
Mean 6.347e+08
Std Dev 6.347e+08
×10¹²
200
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

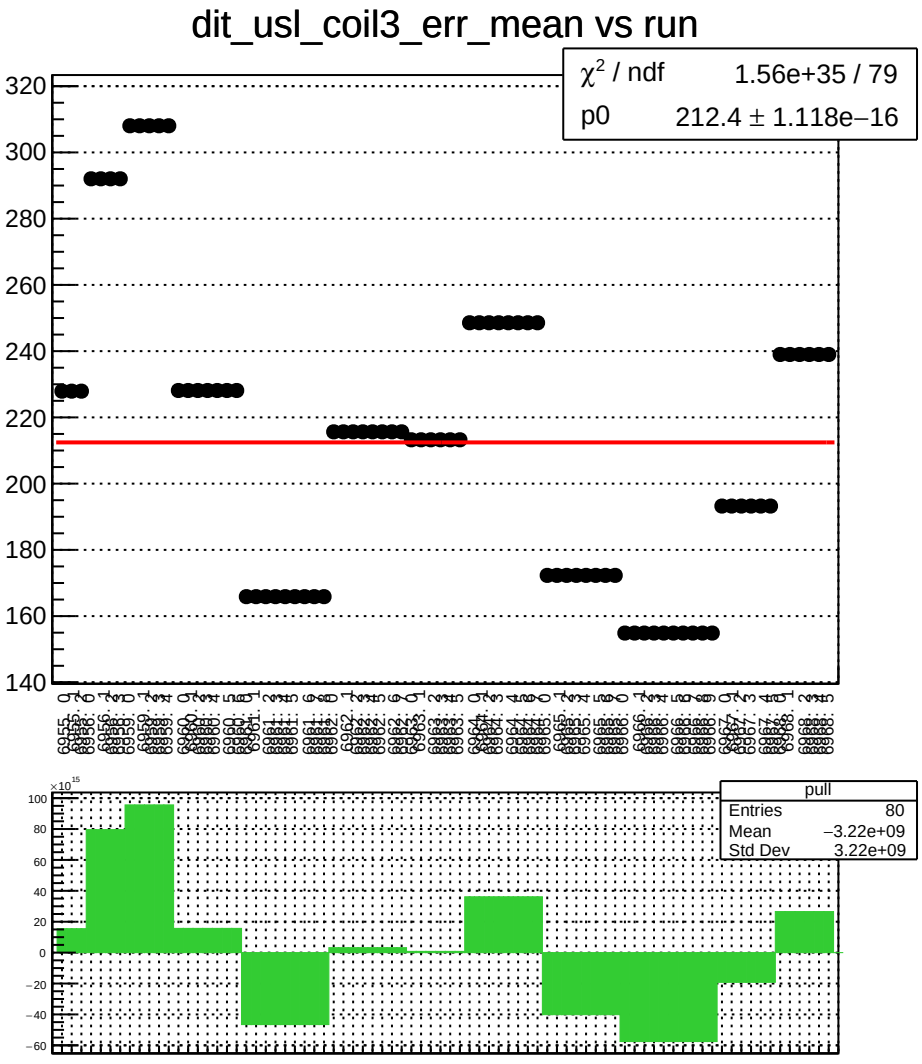
dit_4eY_coil3_Ndata_mean vs run

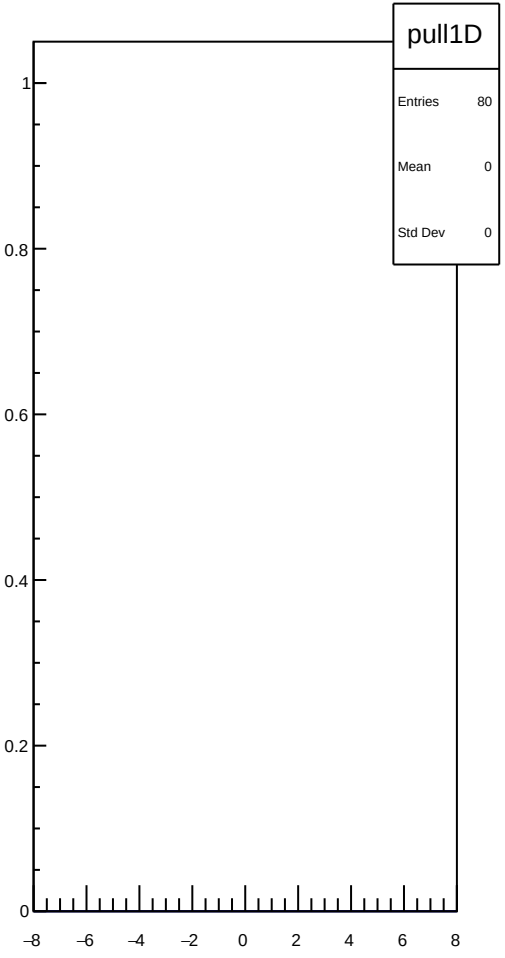


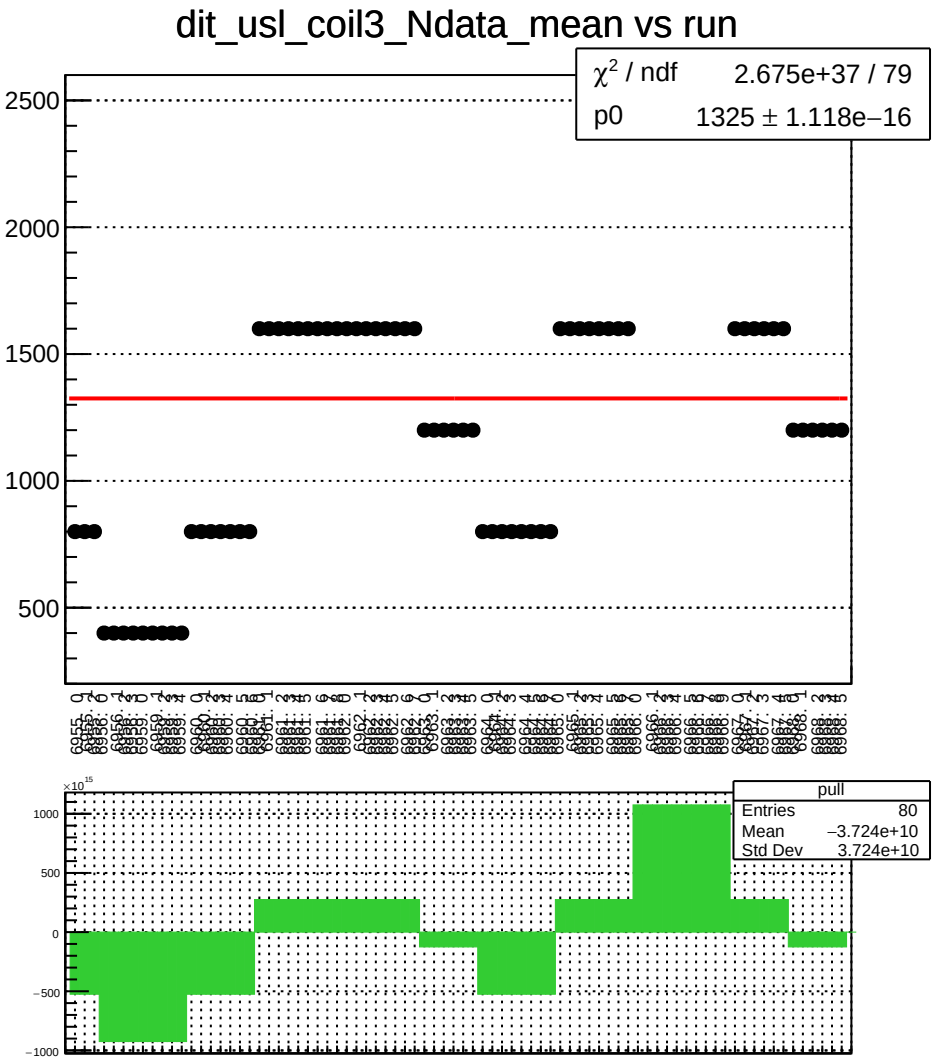


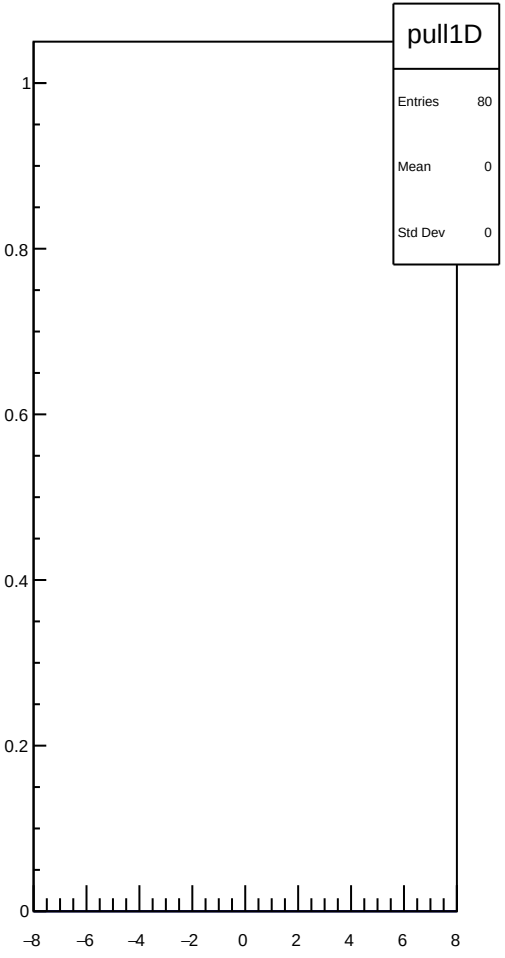

dit_usl_coil3_mean vs run
χ² / ndf 3.206e+35 / 79
p0 7057 ± 1.118e−16
7150
7100
7050
7000
6950
pull
Entries 80
Mean 2.608e+10
Std Dev 2.608e+10
×10¹⁵
100
50
0
−50
−100

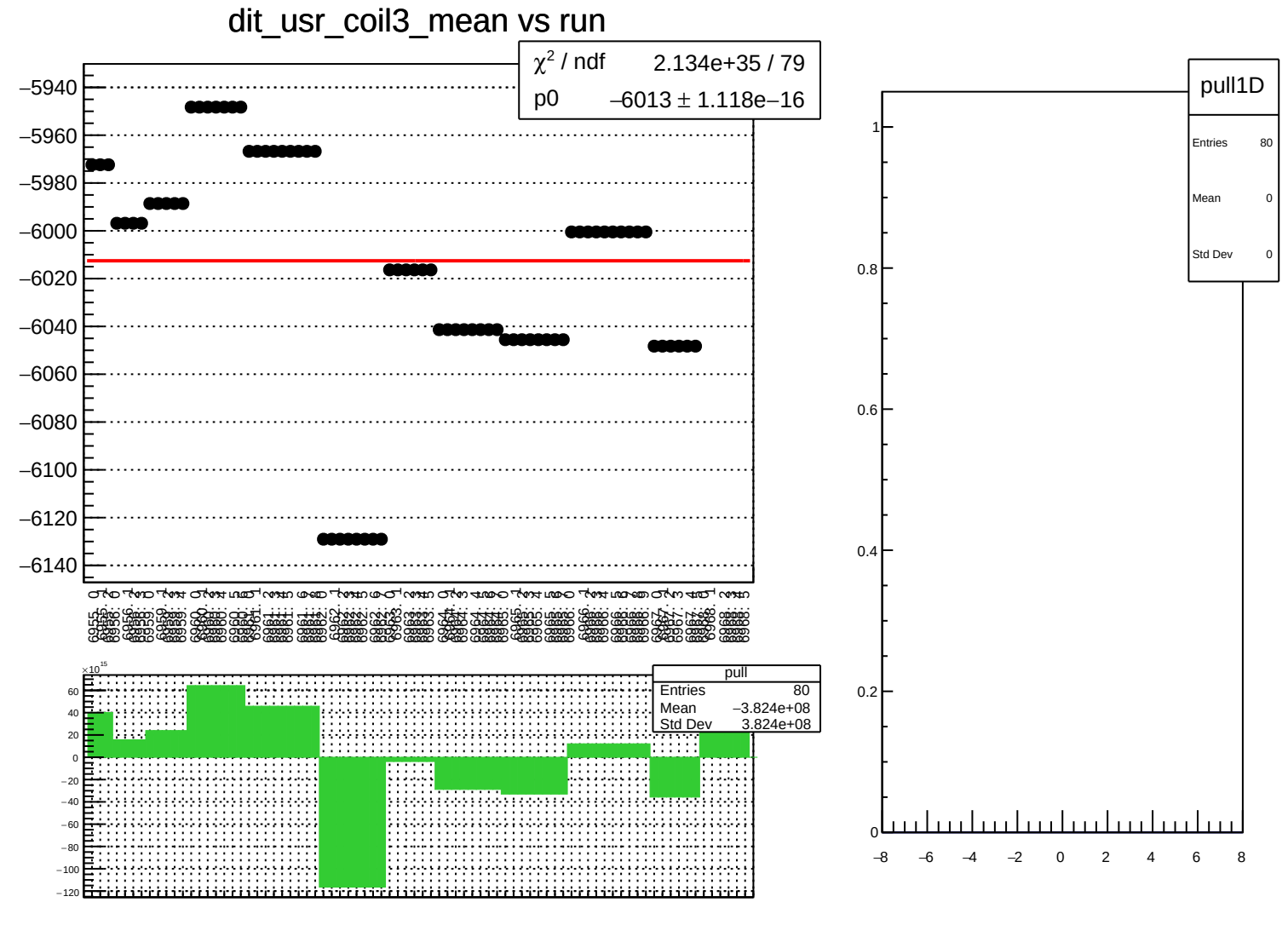

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

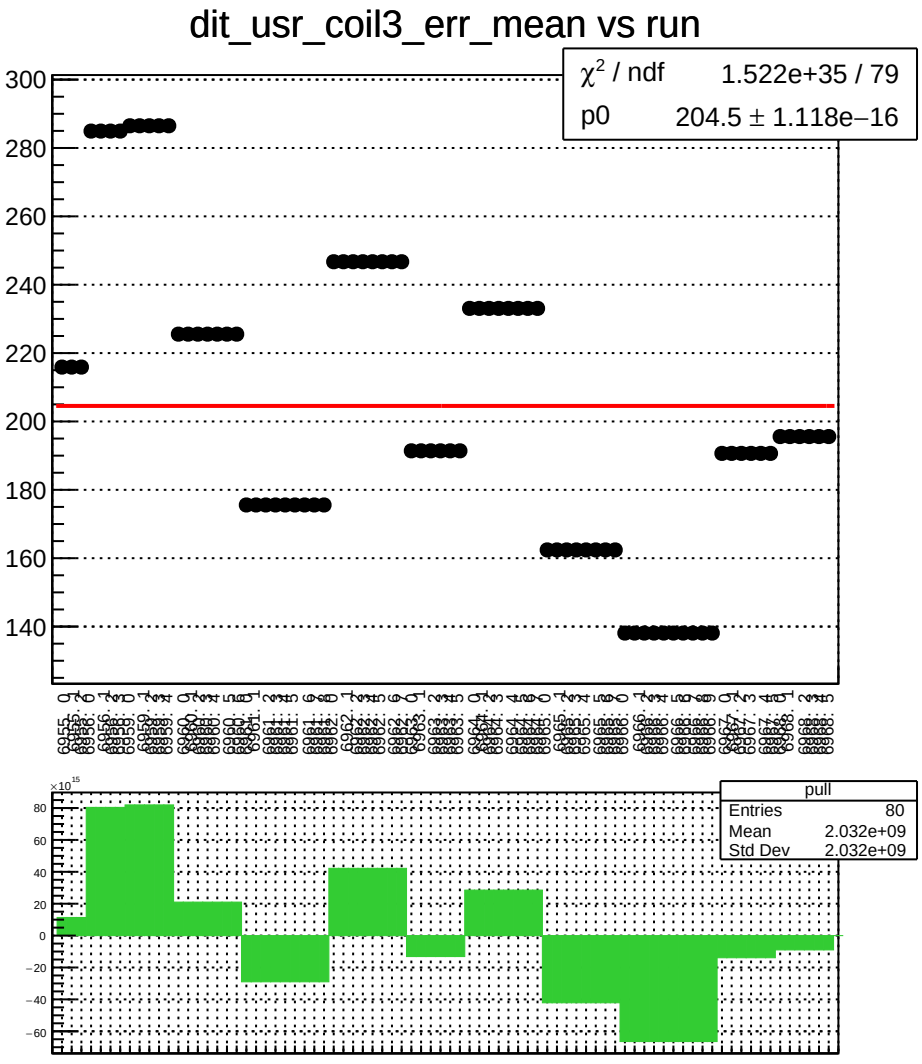

dit_usl_coil3_err_mean vs run
χ² / ndf 1.56e+35 / 79
p0 212.4 ± 1.118e−16
pull
Entries 80
Mean −3.22e+09
Std Dev 3.22e+09

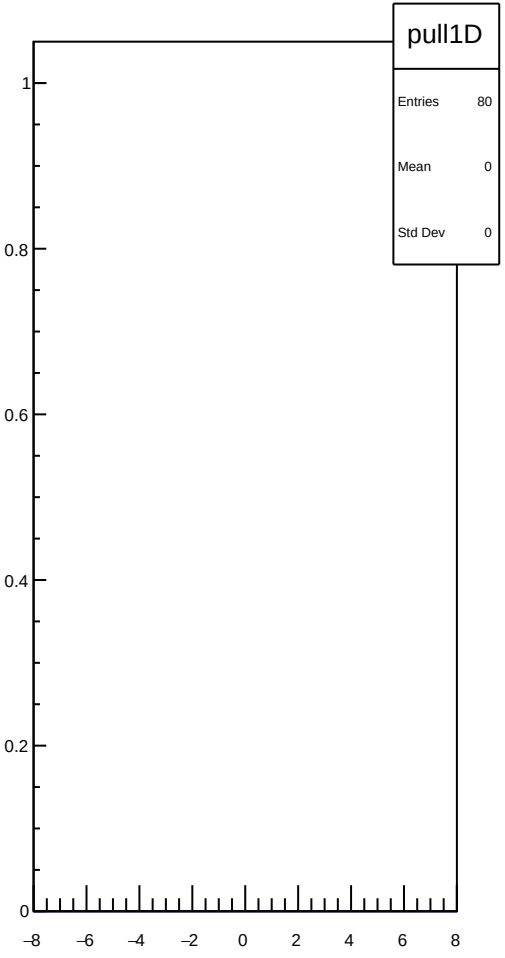

pull1D
Entries 80
Mean 0
Std Dev 0

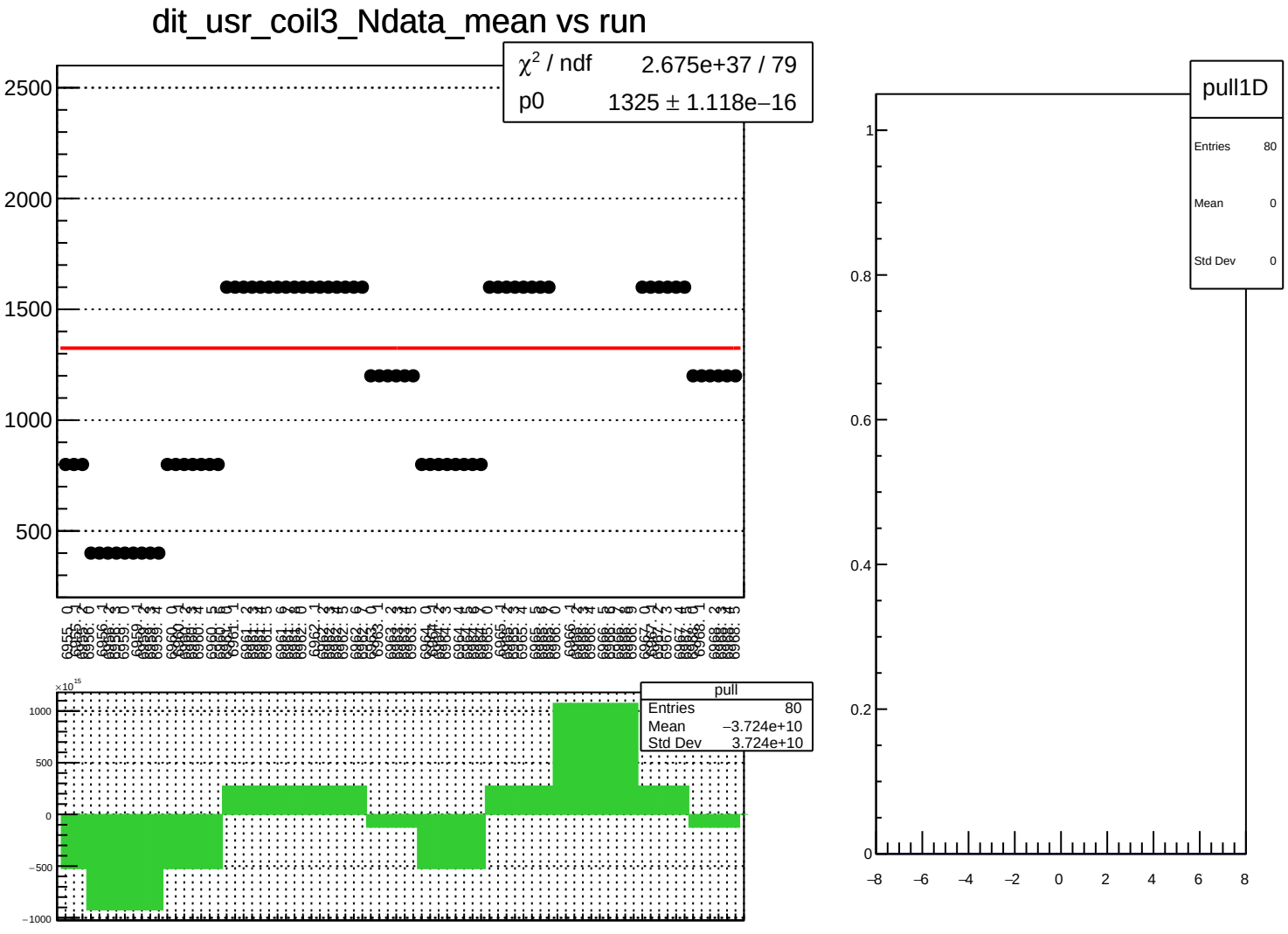

dit_usl_coil3_Ndata_mean vs run
χ^2 / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
1000
500
0
−500
−1000

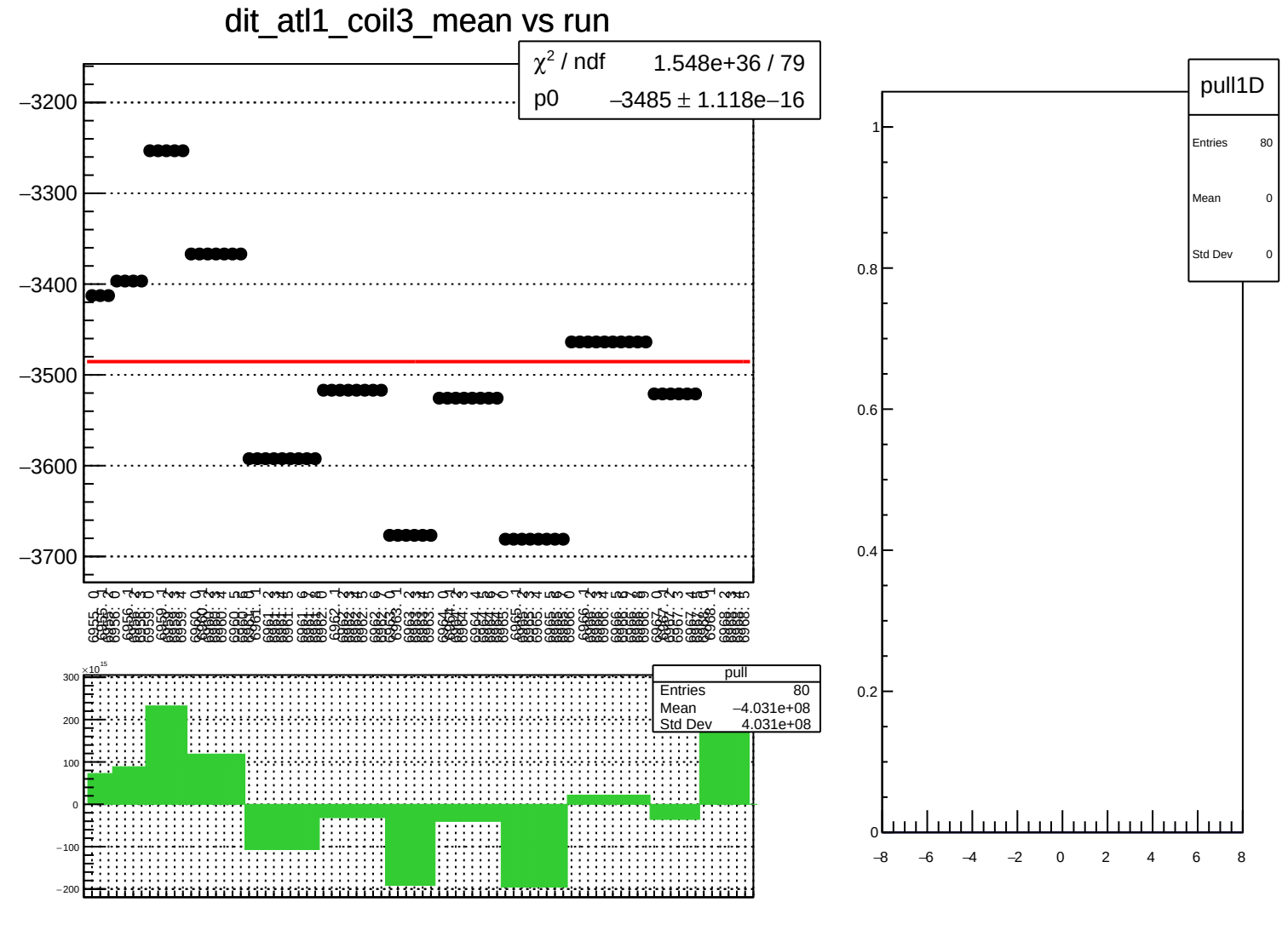

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

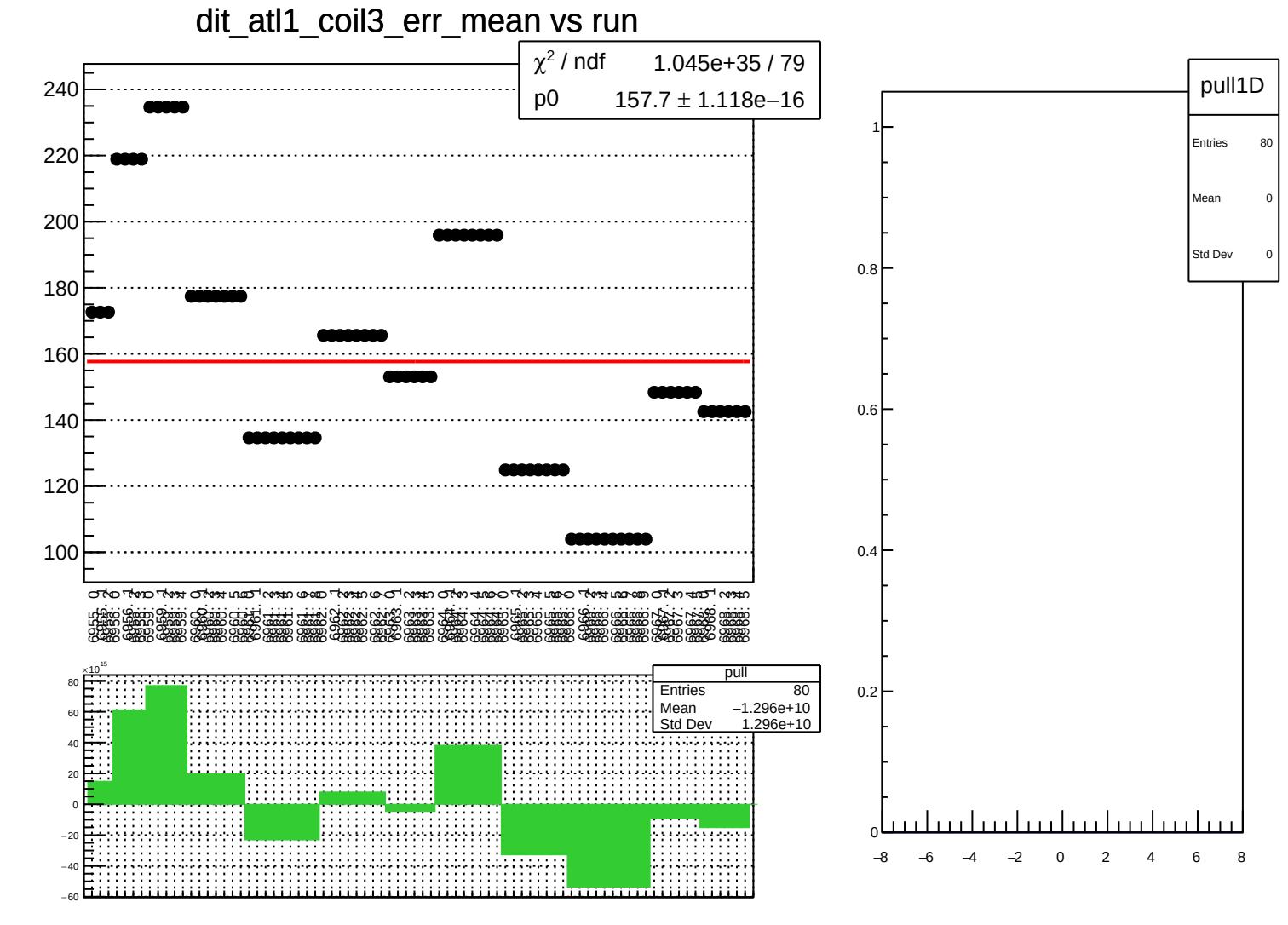

dit_usr_coil3_mean vs run
χ² / ndf 2.134e+35 / 79
p0 −6013 ± 1.118e−16
−5940
−5960
−5980
−6000
−6020
−6040
−6060
−6080
−6100
−6120
−6140
pull
Entries 80
Mean −3.824e+08
Std Dev 3.824e+08
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

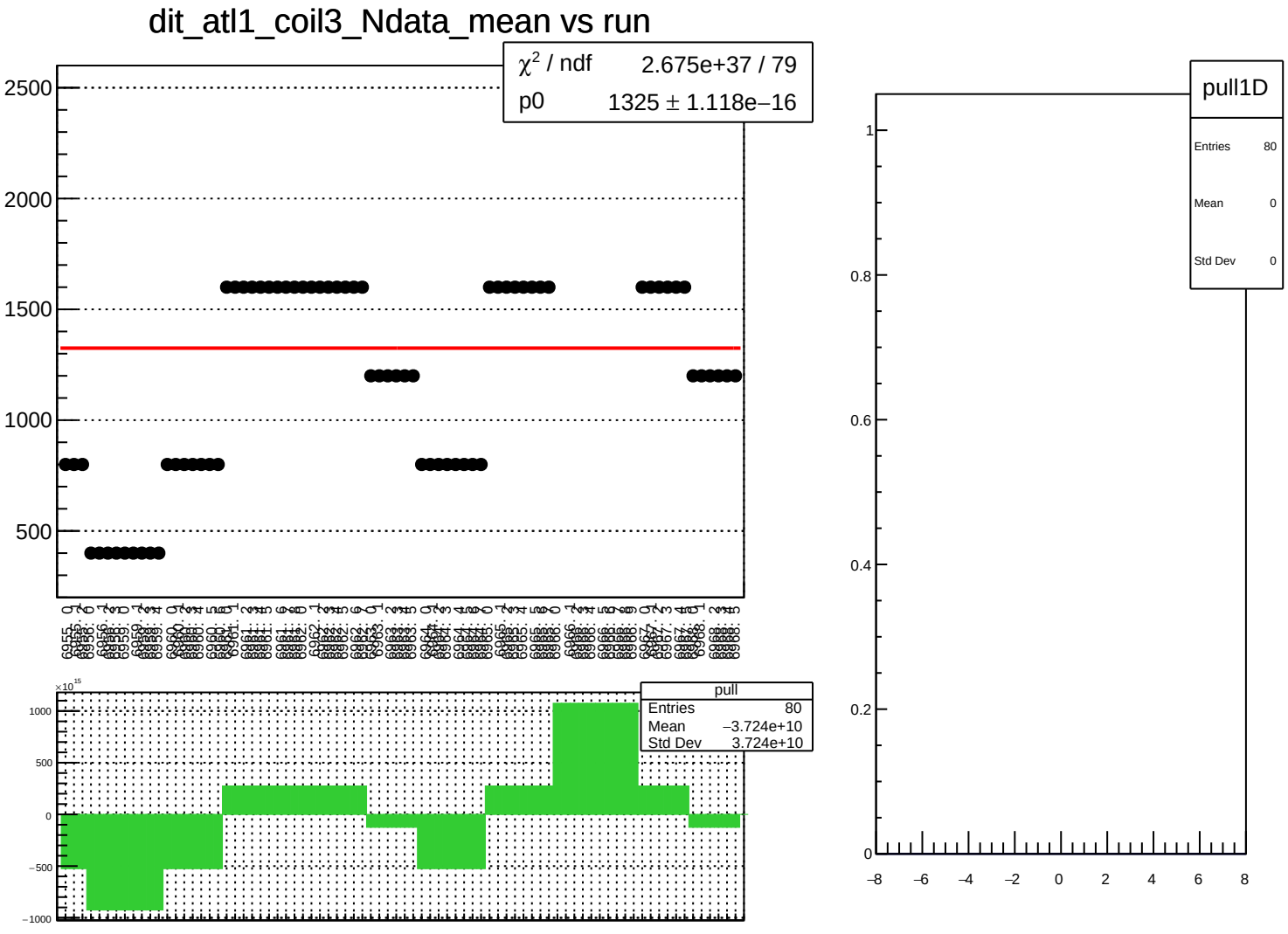

dit_usr_coil3_err_mean vs run
χ² / ndf 1.522e+35 / 79
p0 204.5 ± 1.118e−16
pull
Entries 80
Mean 2.032e+09
Std Dev 2.032e+09

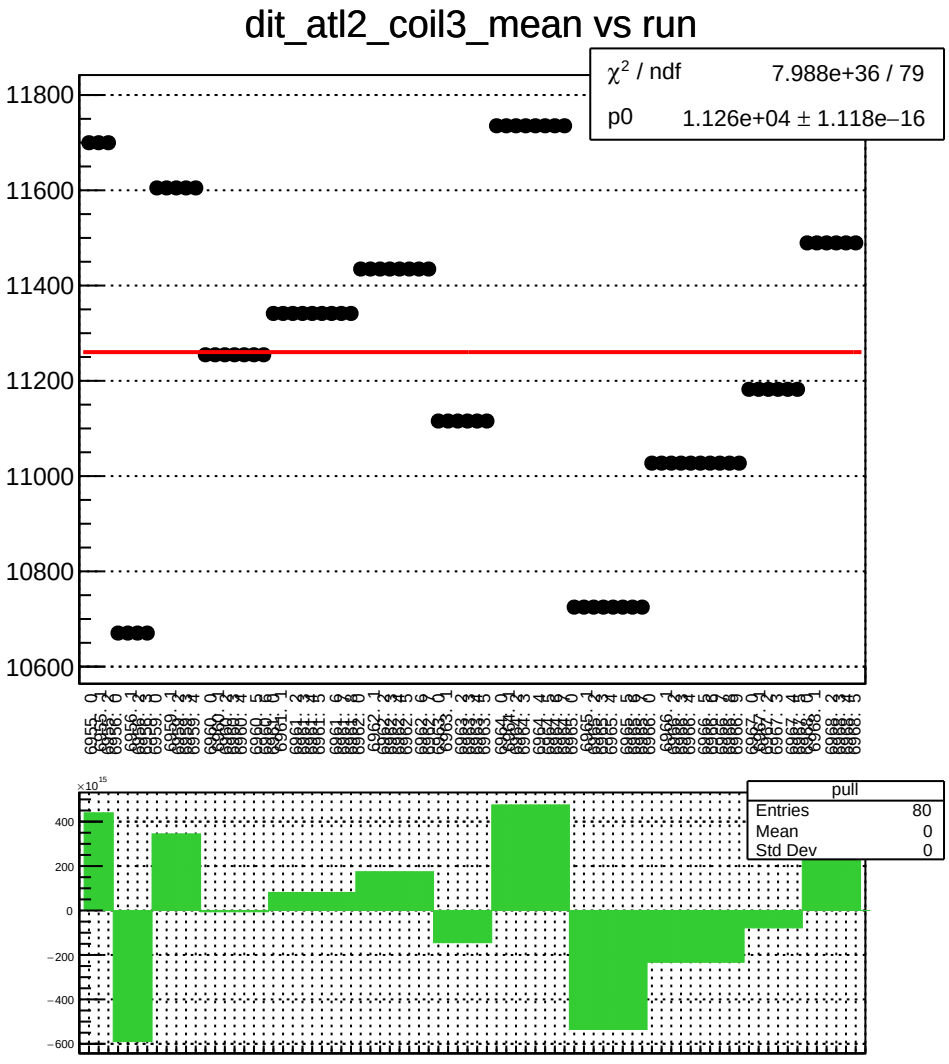

pull1D
Entries 80
Mean 0
Std Dev 0

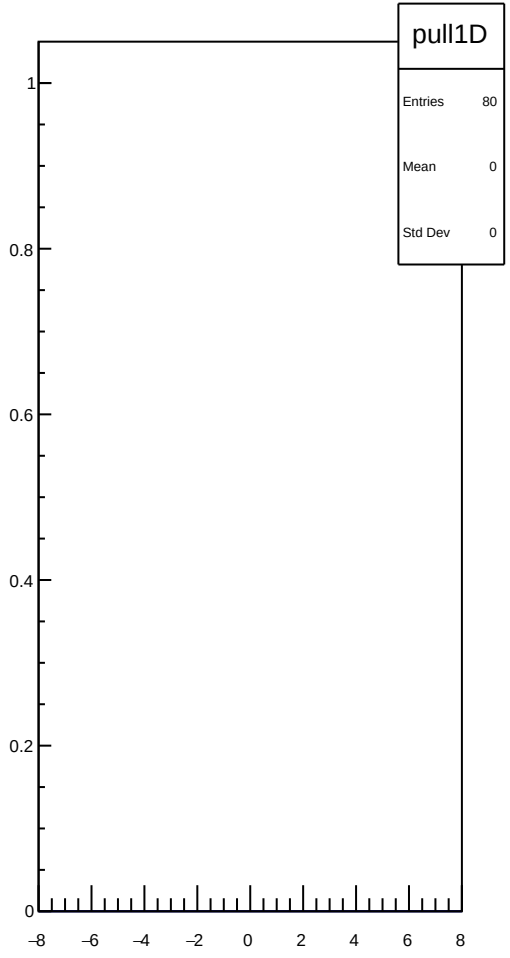

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

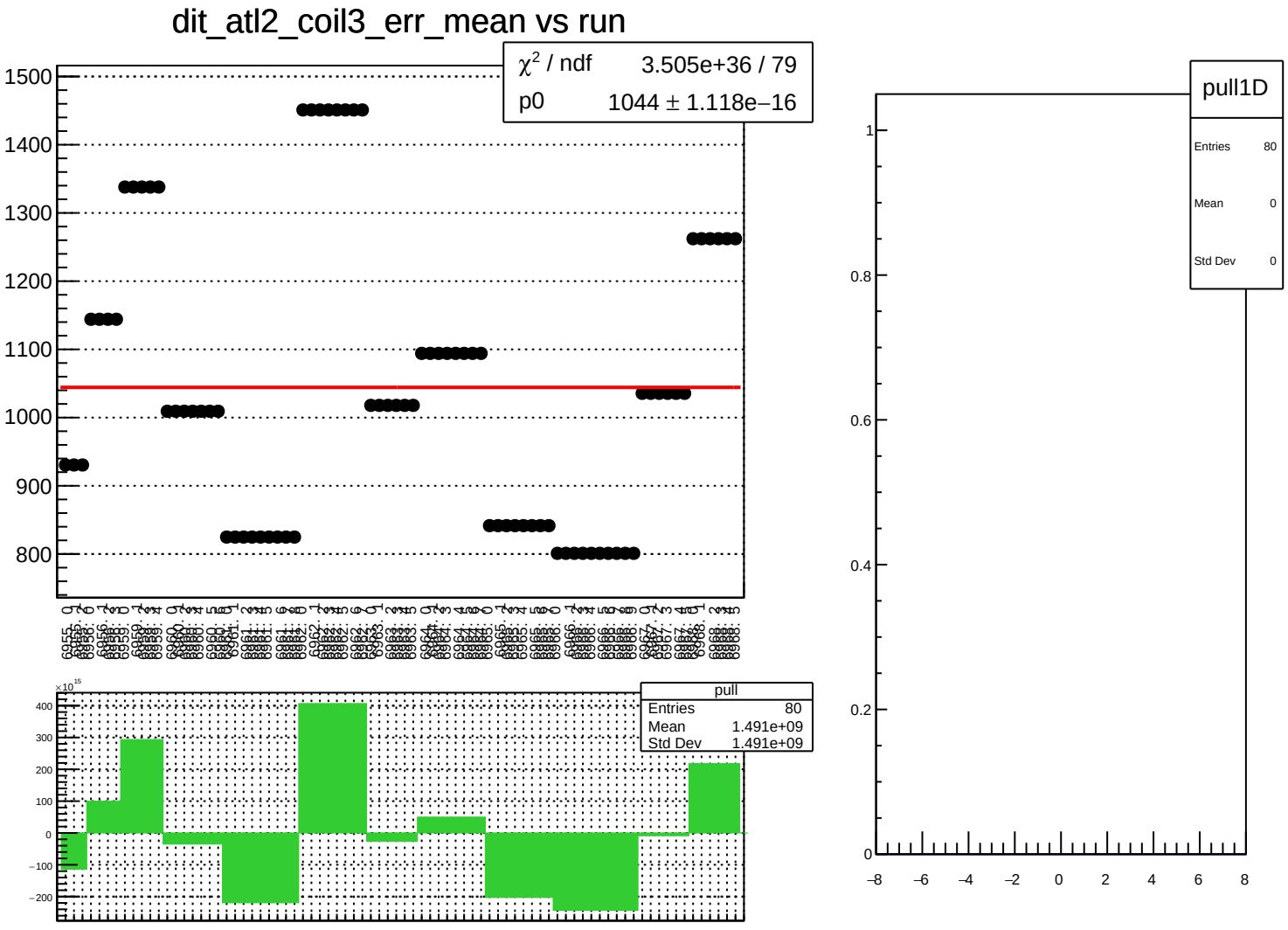

dit_atl1_coil3_mean vs run
χ² / ndf 1.548e+36 / 79
p0 −3485 ± 1.118e−16
−3200
−3300
−3400
−3500
−3600
−3700
pull
Entries 80
Mean −4.031e+08
Std Dev 4.031e+08
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

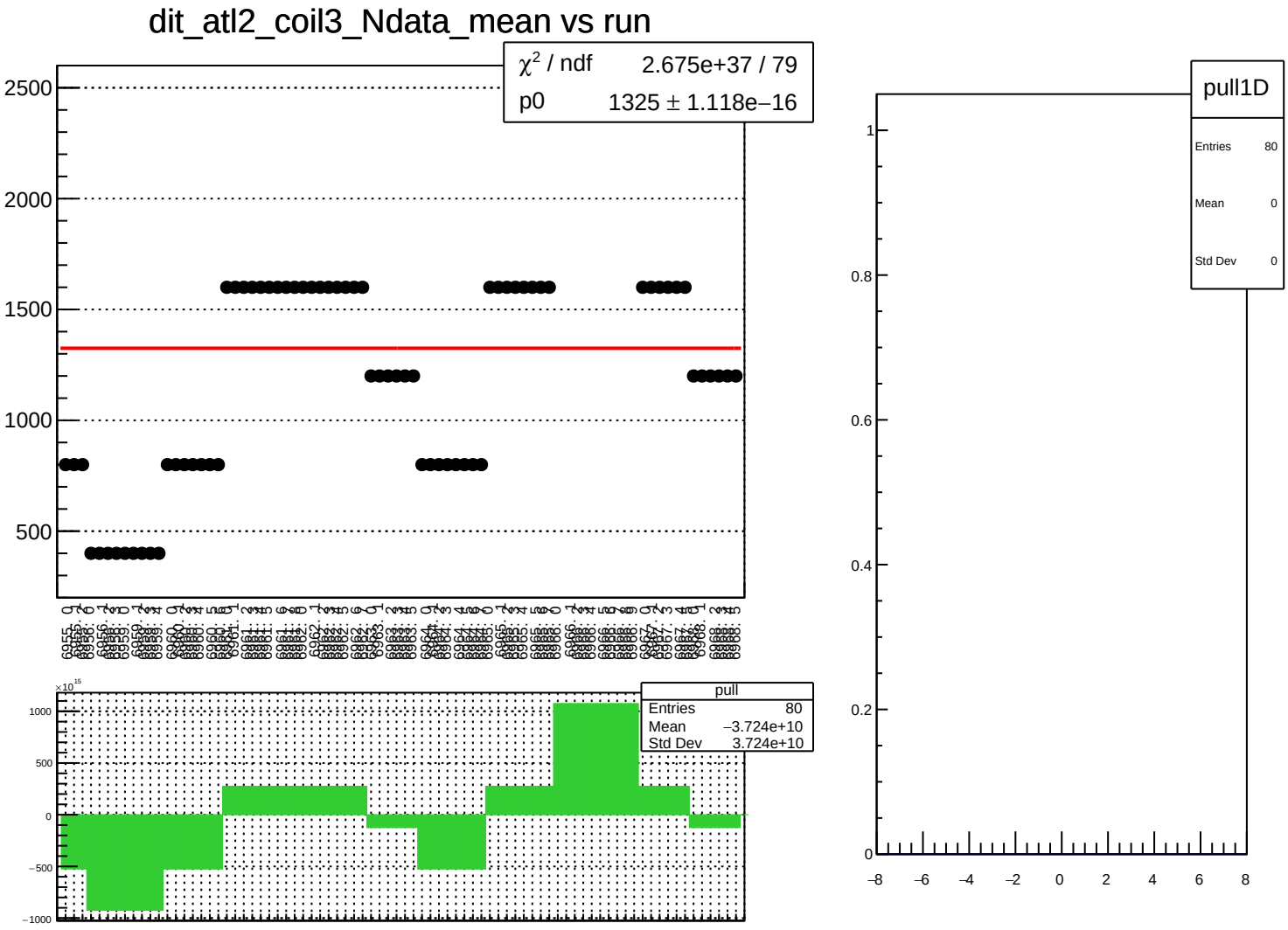

dit_atl1_coil3_err_mean vs run
χ² / ndf 1.045e+35 / 79
p0 157.7 ± 1.118e−16
pull
Entries 80
Mean −1.296e+10
Std Dev 1.296e+10
pull1D
Entries 80
Mean 0
Std Dev 0

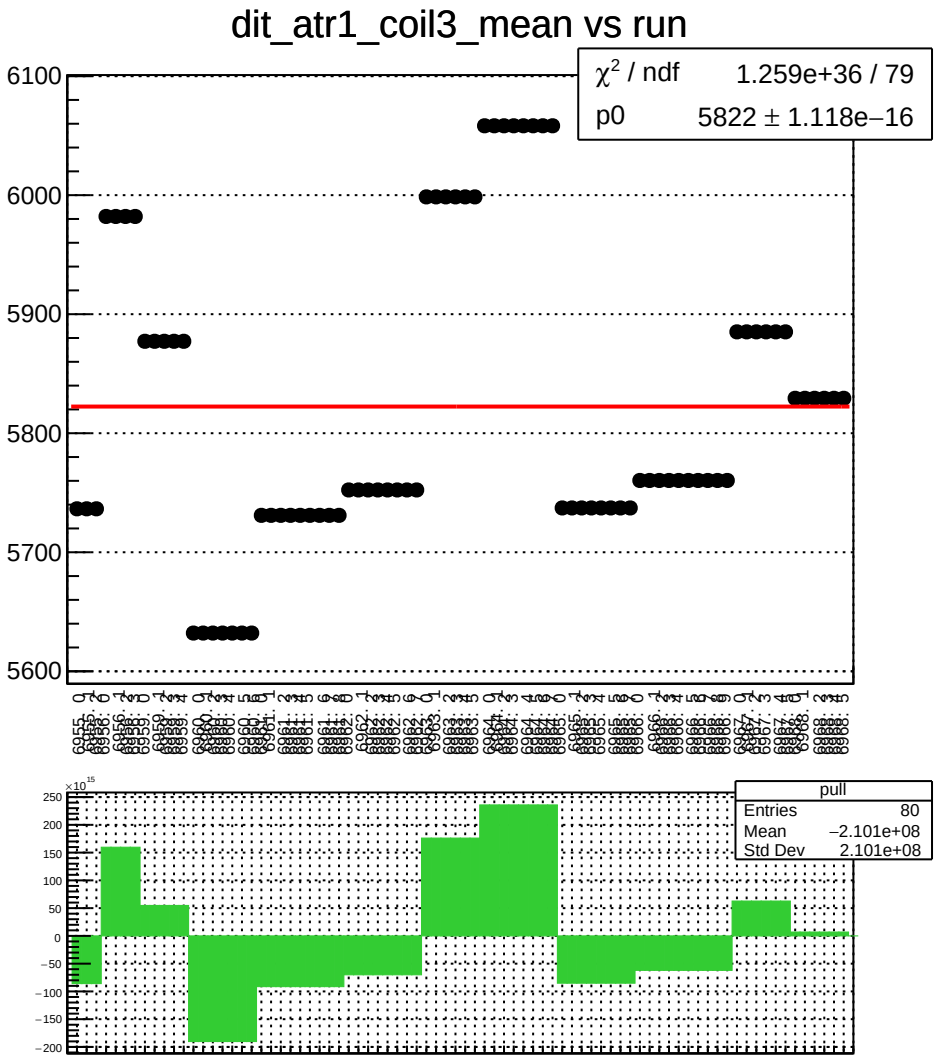

dit_atl1_coil3_Ndata_mean vs run
χ^2 / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

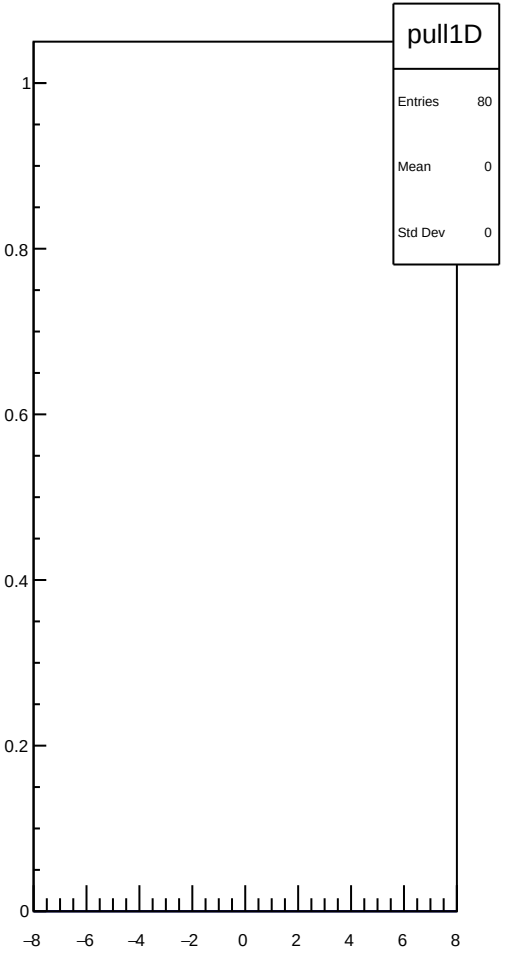

dit_atl2_coil3_mean vs run
χ² / ndf 7.988e+36 / 79
p0 1.126e+04 ± 1.118e−16
11800
11600
11400
11200
11000
10800
10600
pull
Entries 80
Mean 0
Std Dev 0
×10¹⁵
400
200
0
−200
−400
−600

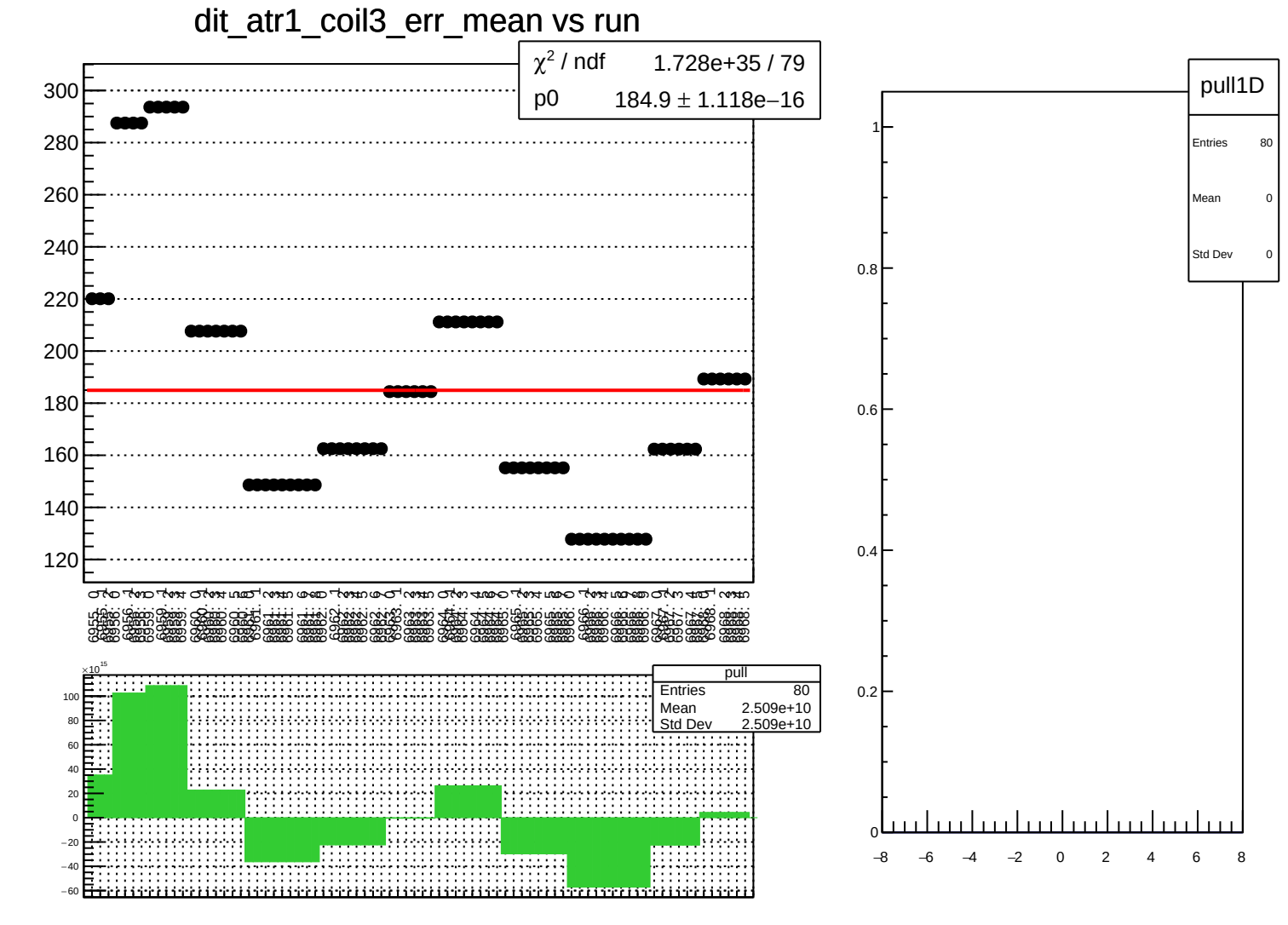

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

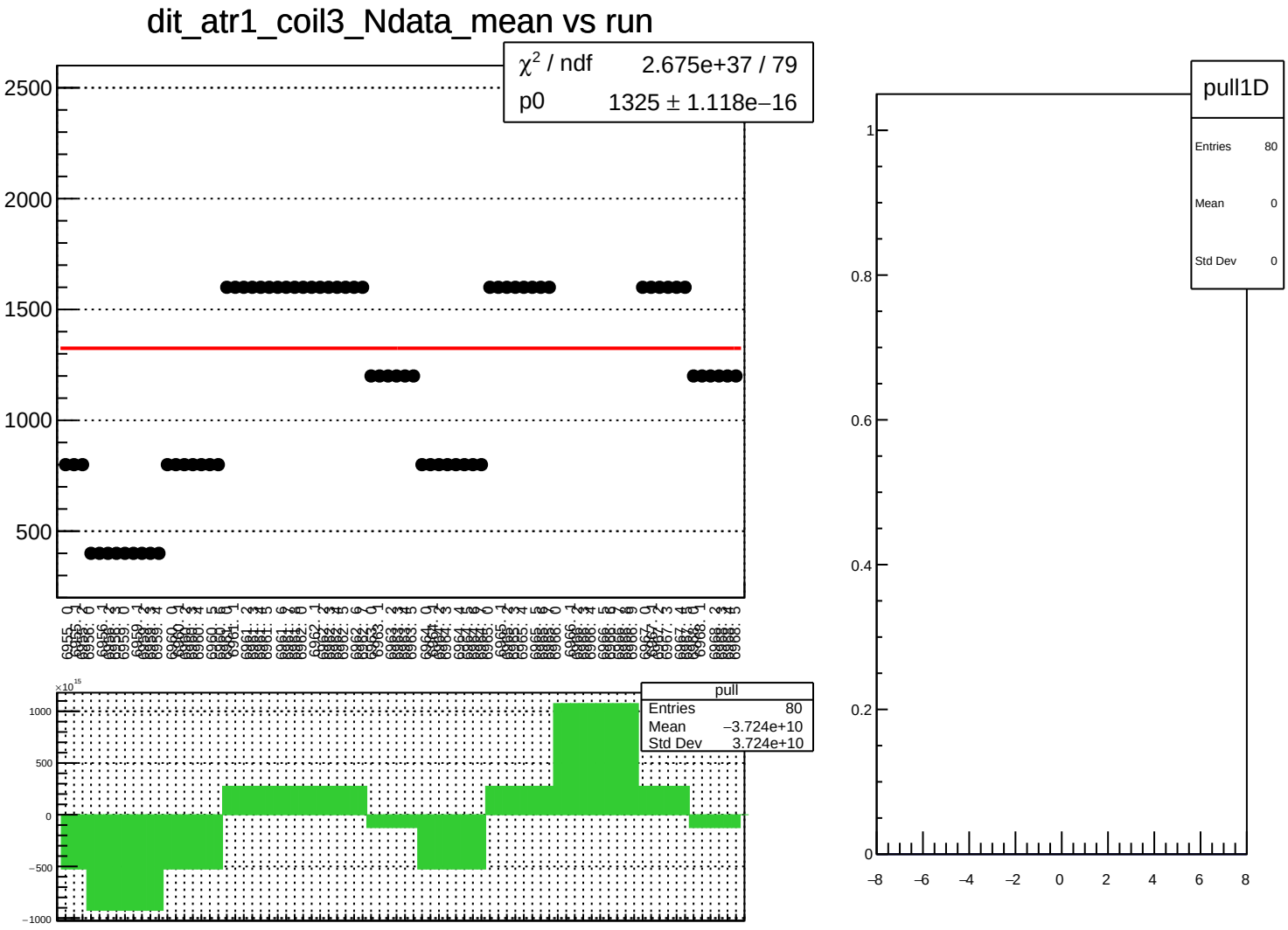

dit_atl2_coil3_err_mean vs run
χ² / ndf 3.505e+36 / 79
p0 1044 ± 1.118e−16
1500
1400
1300
1200
1100
1000
900
800
pull
Entries 80
Mean 1.491e+09
Std Dev 1.491e+09
×10¹⁵
400
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

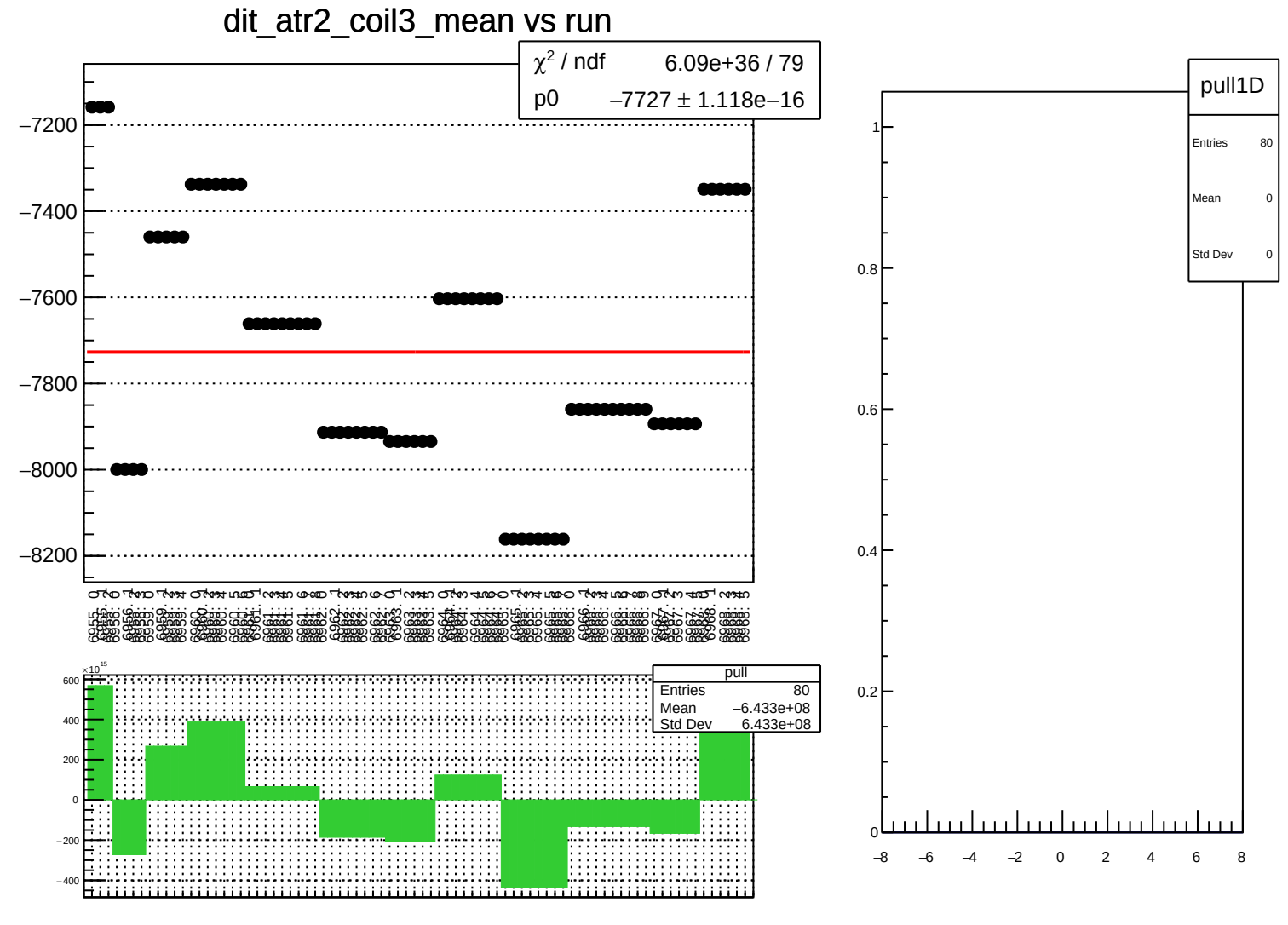

dit_atl2_coil3_Ndata_mean vs run
χ^2 / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

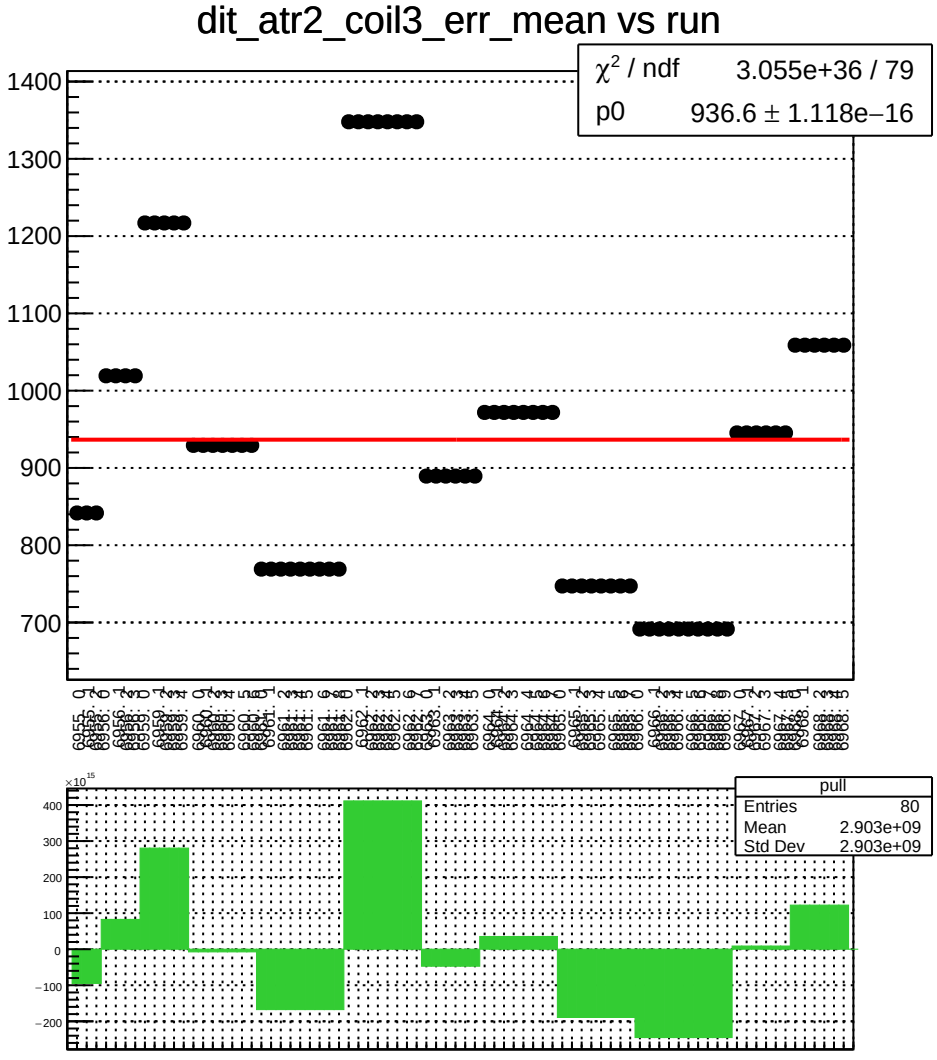

dit_atr1_coil3_mean vs run
χ² / ndf 1.259e+36 / 79
p0 5822 ± 1.118e−16
6100
6000
5900
5800
5700
5600
pull
Entries 80
Mean −2.101e+08
Std Dev 2.101e+08
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
−200

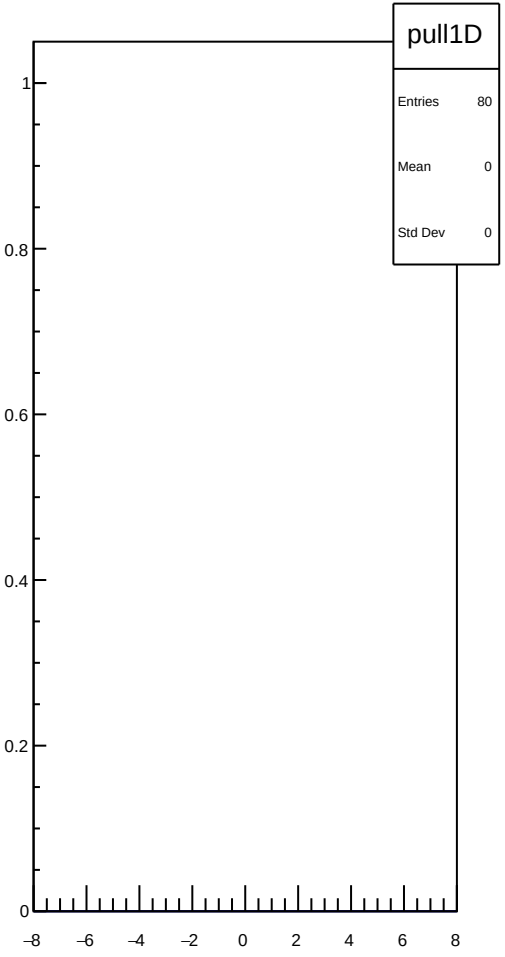

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

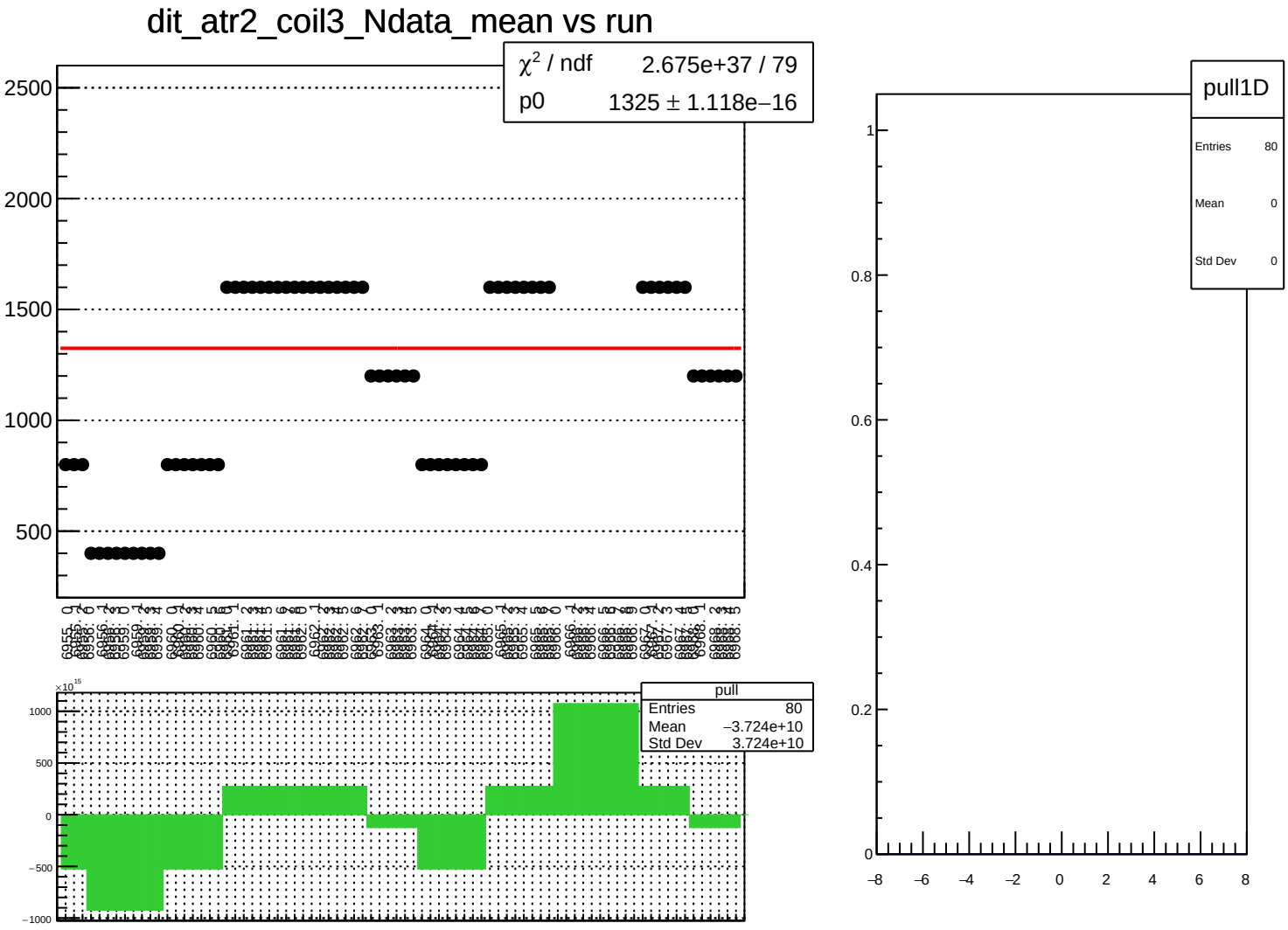

dit_atr1_coil3_err_mean vs run
χ² / ndf 1.728e+35 / 79
p0 184.9 ± 1.118e−16
pull
Entries 80
Mean 2.509e+10
Std Dev 2.509e+10
pull1D
Entries 80
Mean 0
Std Dev 0

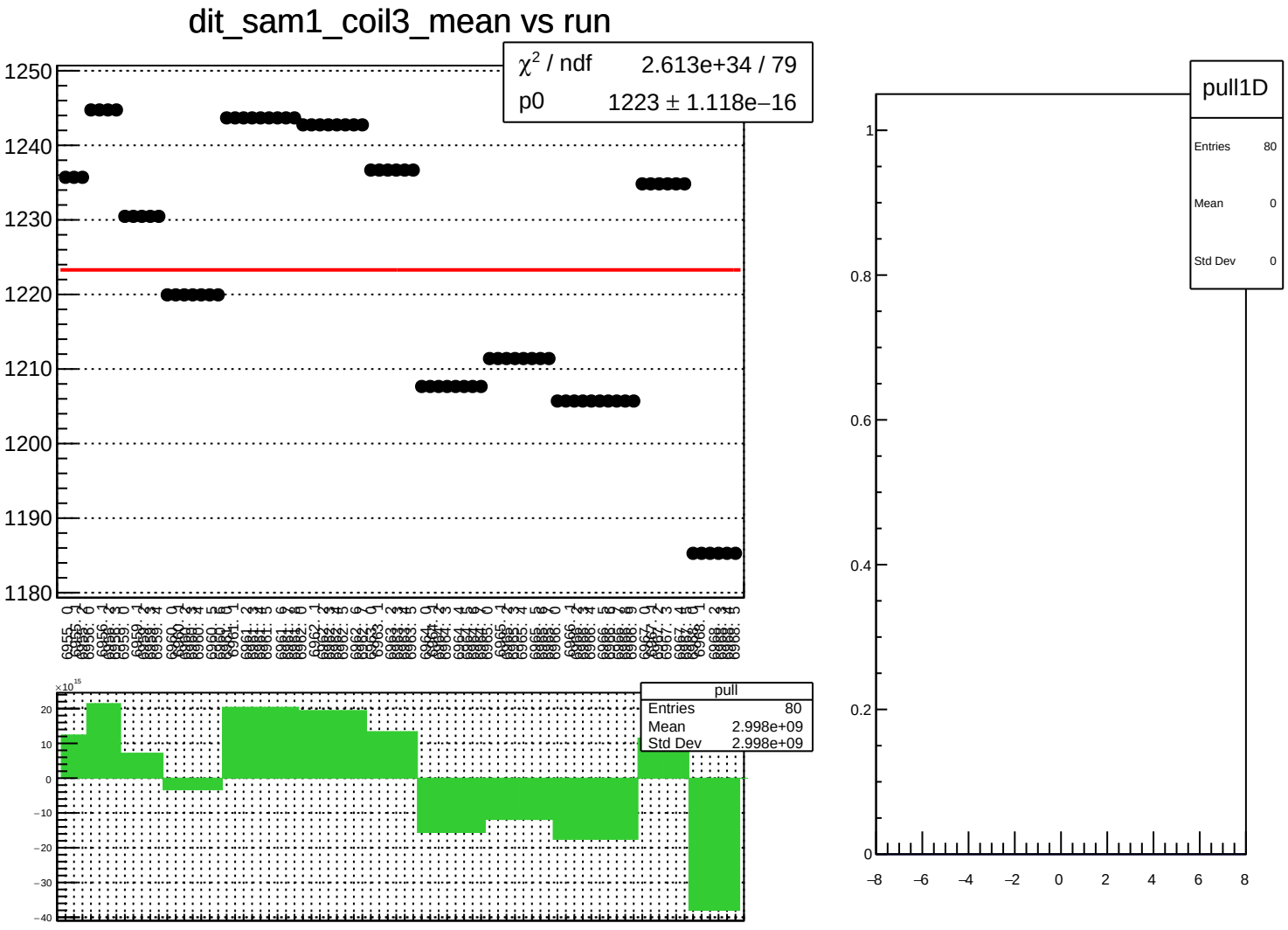

dit_atr1_coil3_Ndata_mean vs run
χ^2 / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

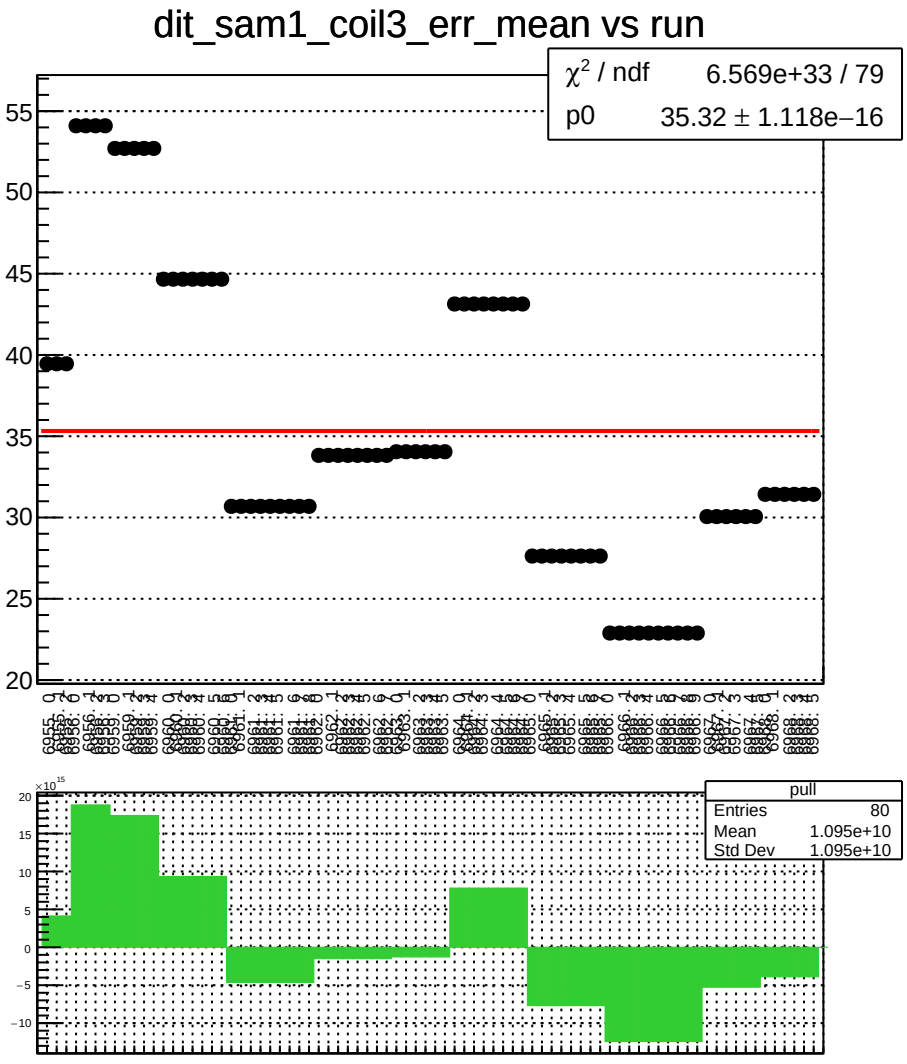

dit_atr2_coil3_mean vs run
χ² / ndf 6.09e+36 / 79
p0 −7727 ± 1.118e−16
−7200
−7400
−7600
−7800
−8000
−8200
pull
Entries 80
Mean −6.433e+08
Std Dev 6.433e+08
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

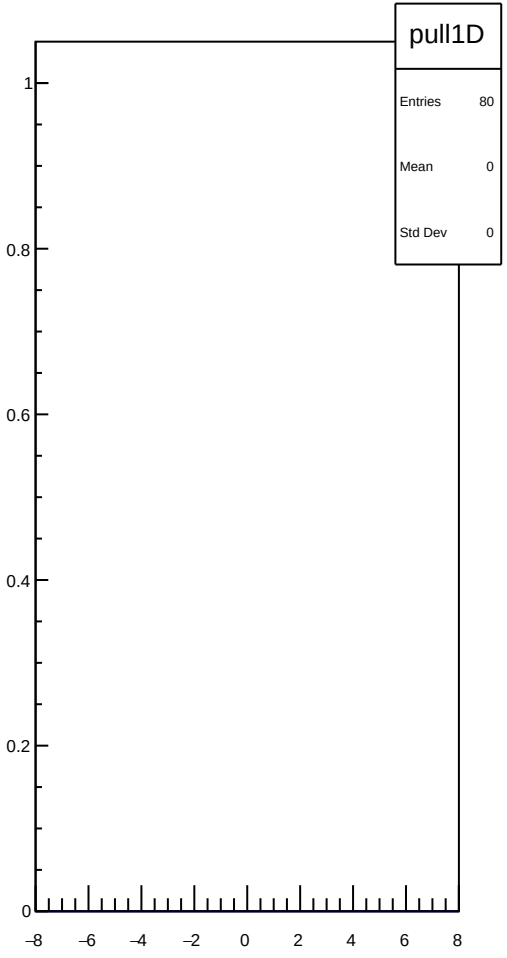

dit_atr2_coil3_err_mean vs run
χ² / ndf 3.055e+36 / 79
p0 936.6 ± 1.118e−16
1400
1300
1200
1100
1000
900
800
700
pull
Entries 80
Mean 2.903e+09
Std Dev 2.903e+09
×10¹⁵
400
300
200
100
0
−100
−200

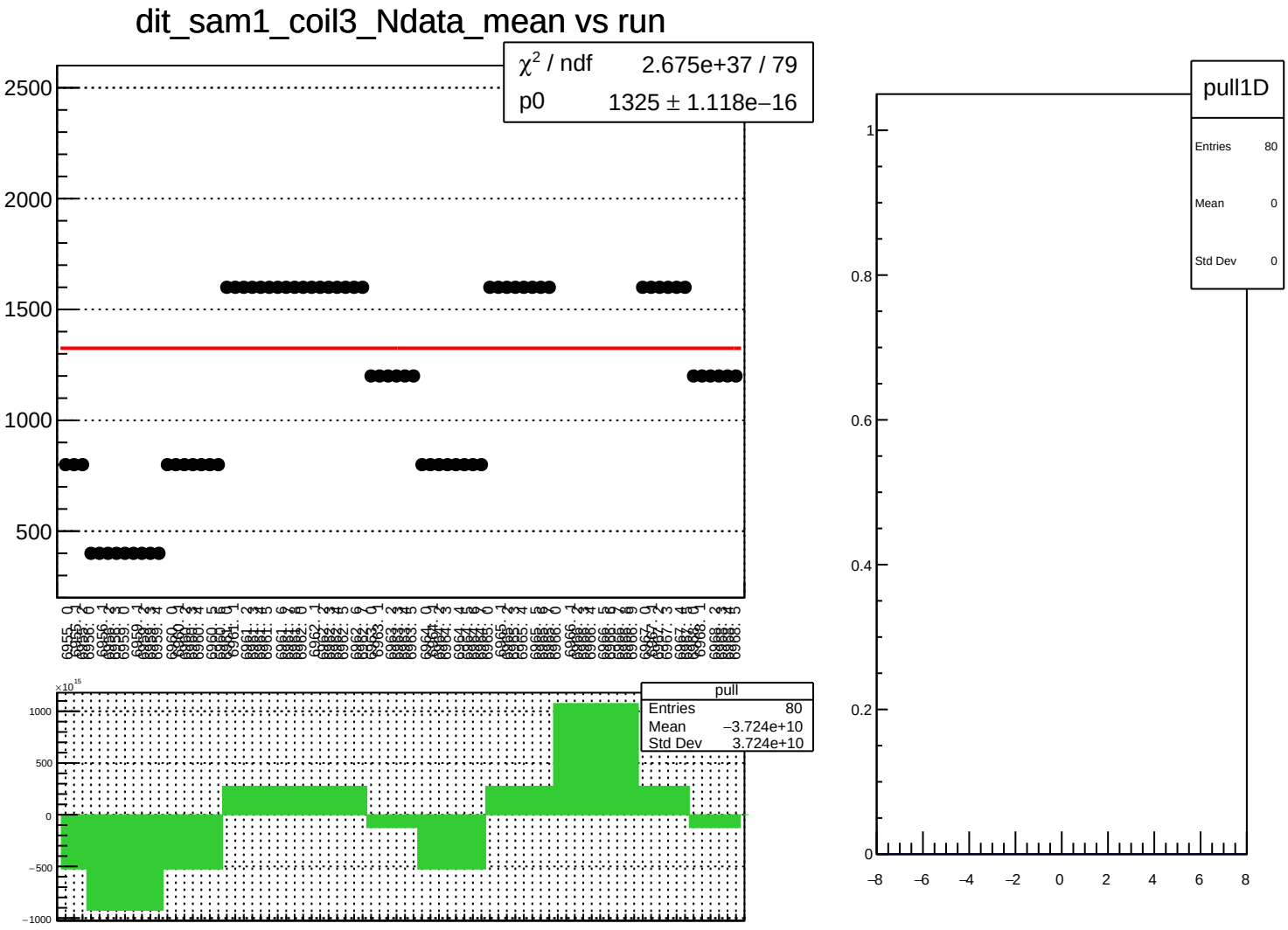

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

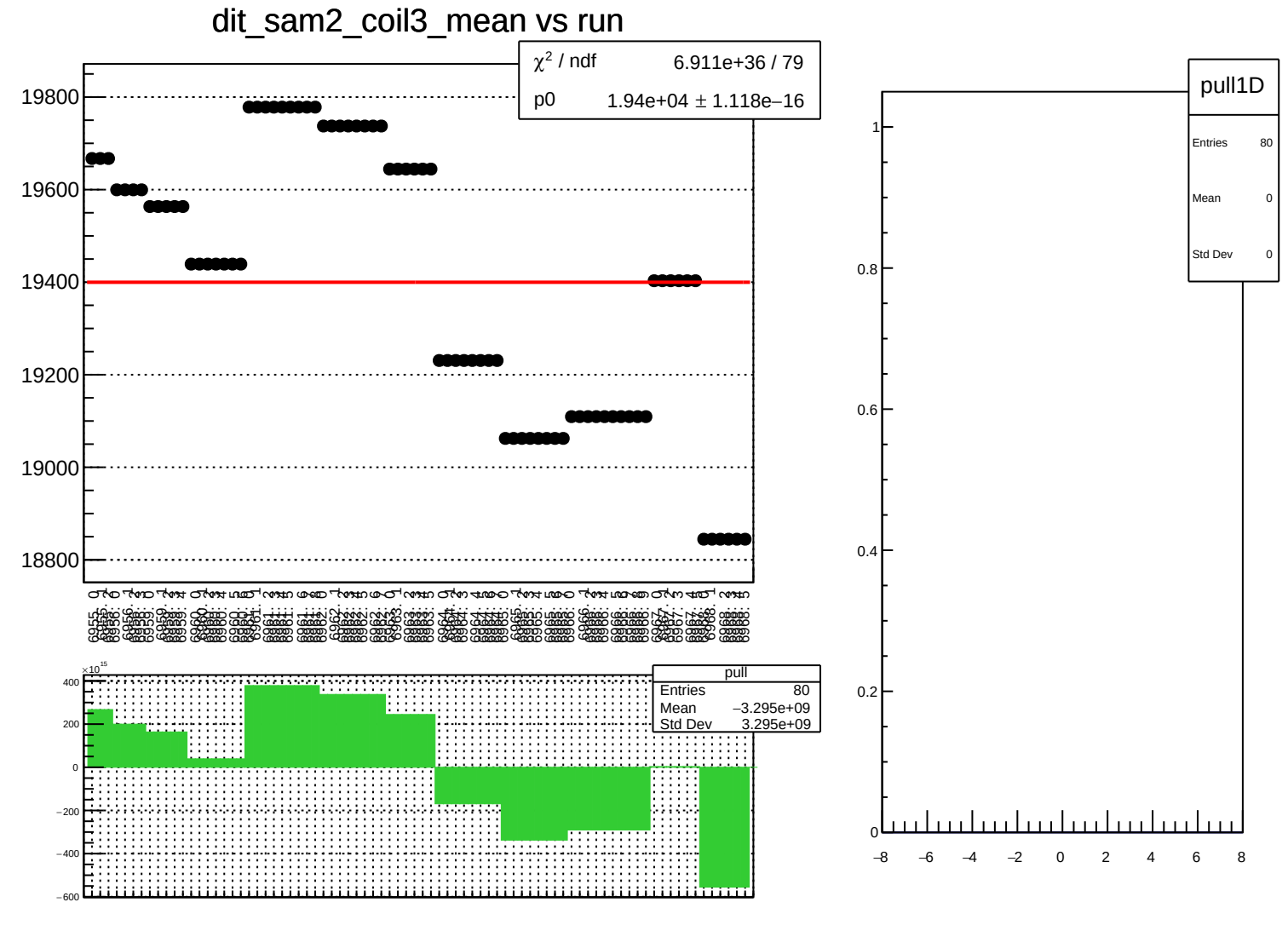

dit_atr2_coil3_Ndata_mean vs run
χ^2 / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

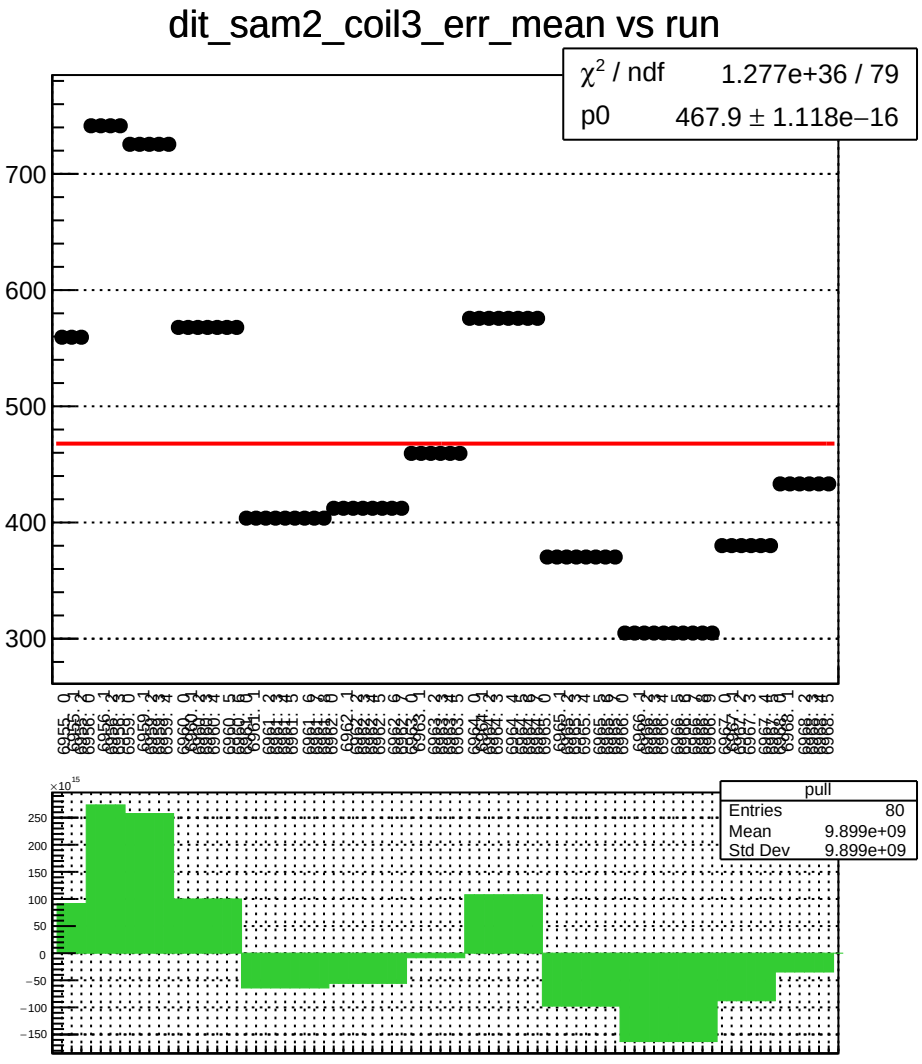

dit_sam1_coil3_mean vs run
χ² / ndf 2.613e+34 / 79
p0 1223 ± 1.118e−16
pull
Entries 80
Mean 2.998e+09
Std Dev 2.998e+09
pull1D
Entries 80
Mean 0
Std Dev 0

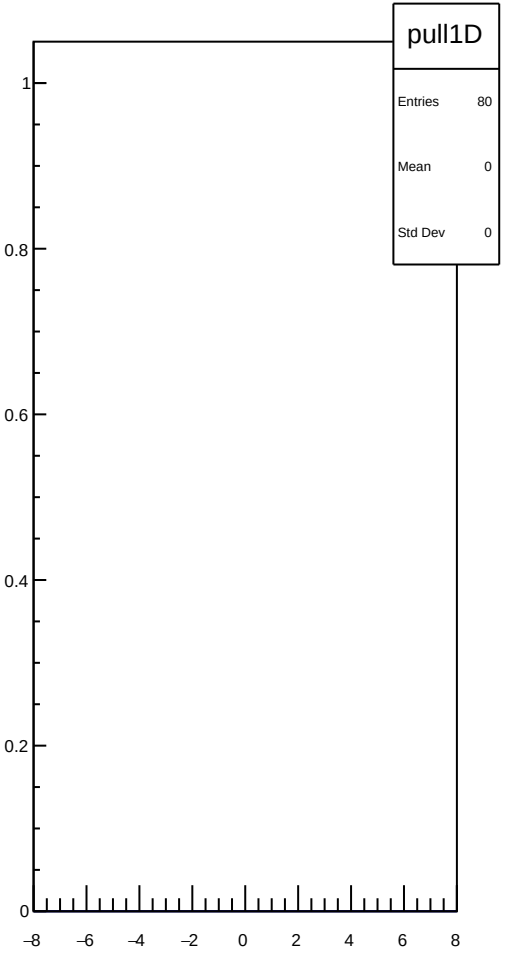

dit_sam1_coil3_err_mean vs run
χ² / ndf 6.569e+33 / 79
p0 35.32 ± 1.118e−16
pull
Entries 80
Mean 1.095e+10
Std Dev 1.095e+10


pull1D
Entries 80
Mean 0
Std Dev 0


dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil3_mean vs run
χ² / ndf 6.911e+36 / 79
p0 1.94e+04 ± 1.118e−16
19800
19600
19400
19200
19000
18800
pull
Entries 80
Mean −3.295e+09
Std Dev 3.295e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil3_err_mean vs run
χ² / ndf 1.277e+36 / 79
p0 467.9 ± 1.118e−16
700
600
500
400
300
pull
Entries 80
Mean 9.899e+09
Std Dev 9.899e+09
×10¹⁵
250
200
150
100
50
0
−50
−100
−150


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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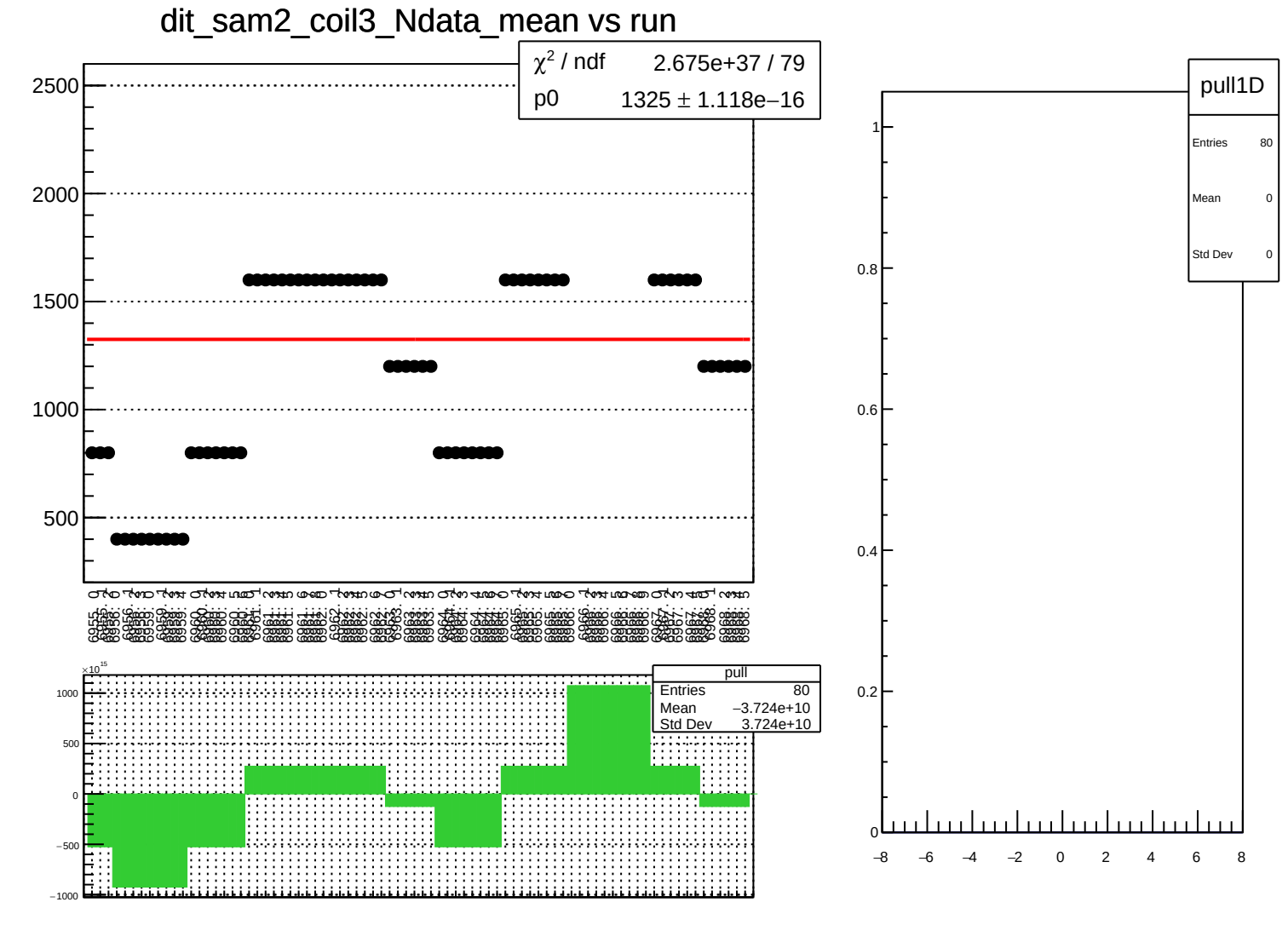
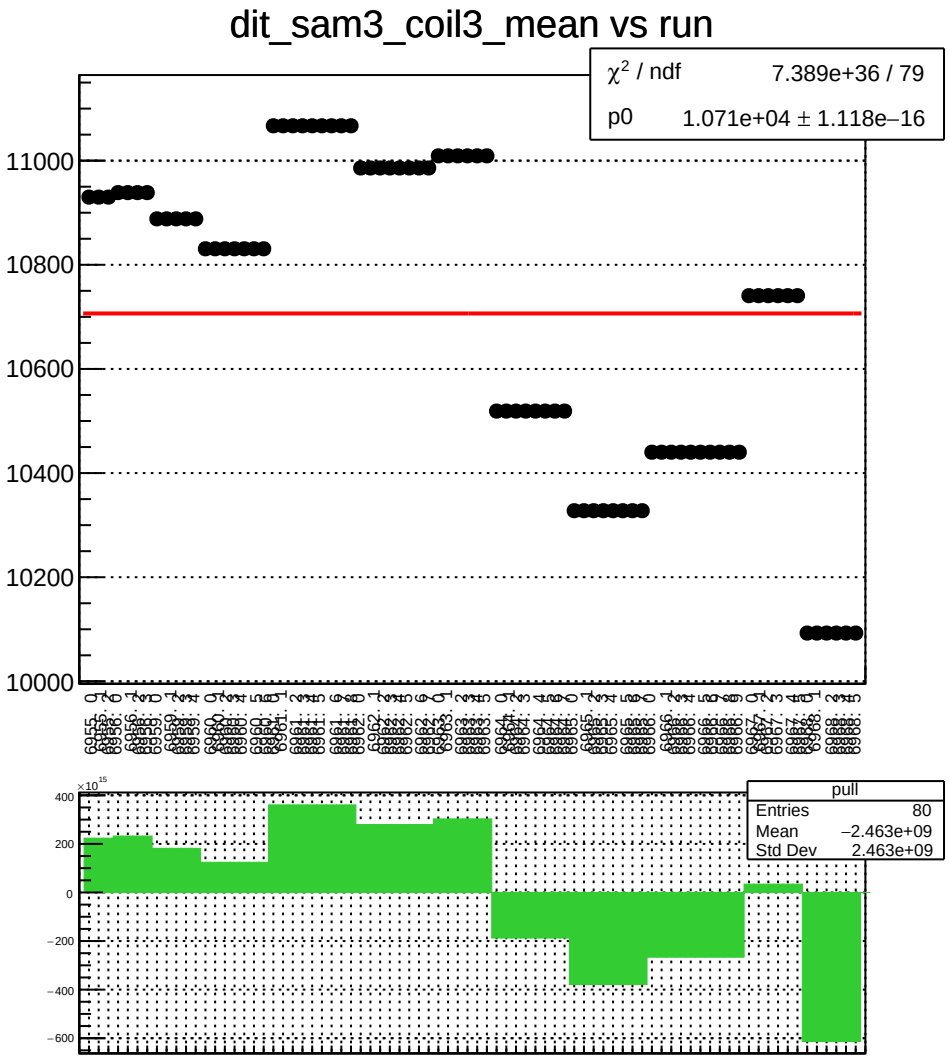
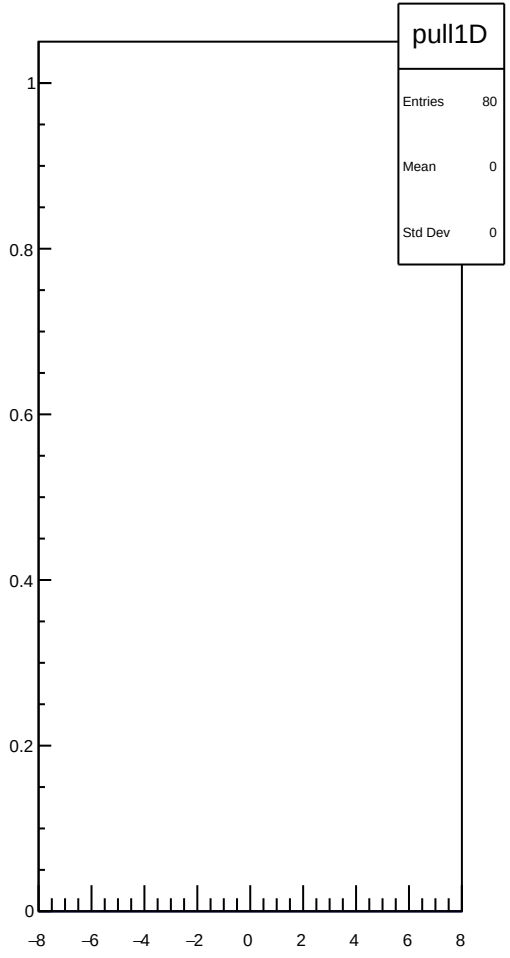
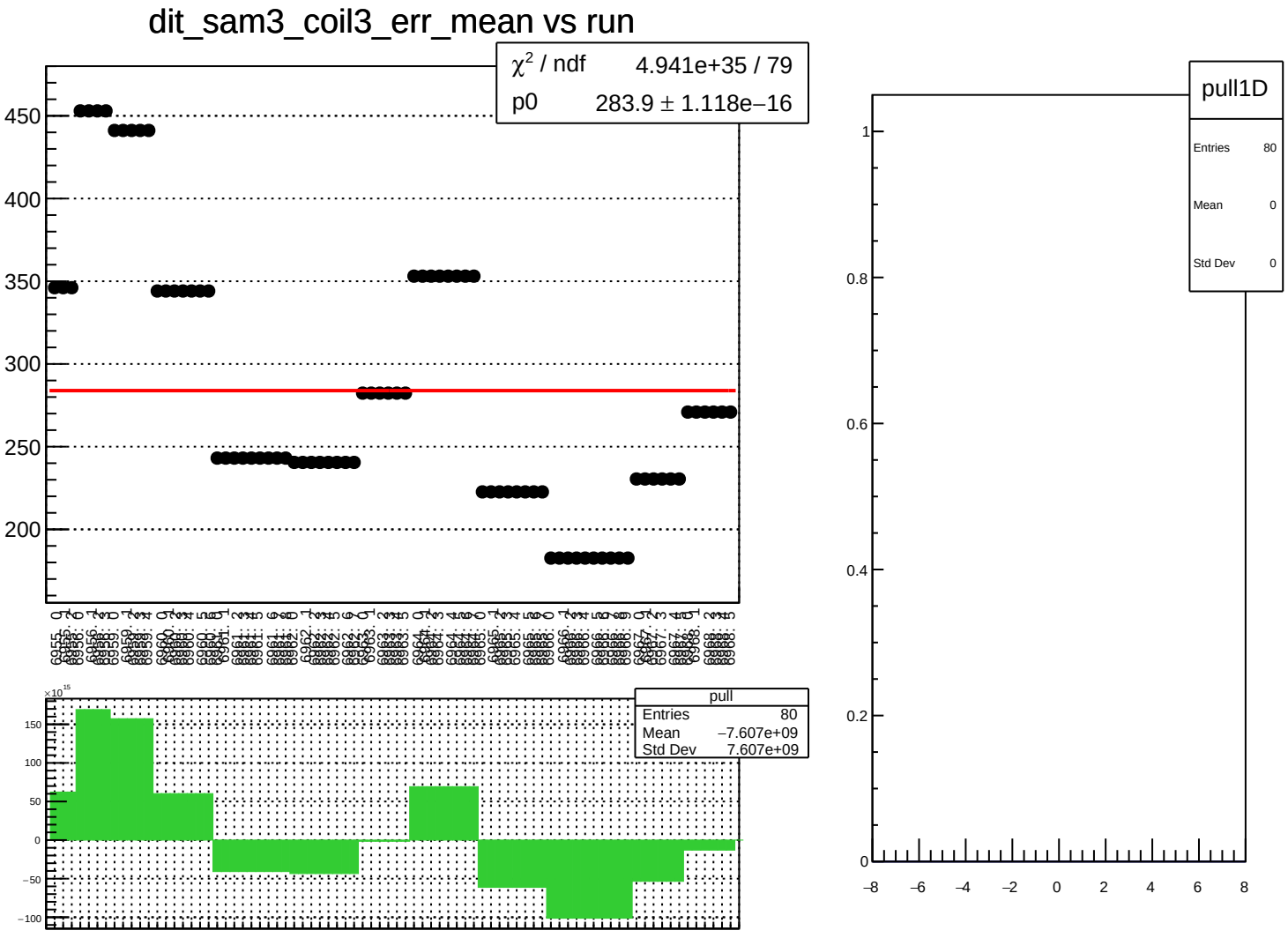
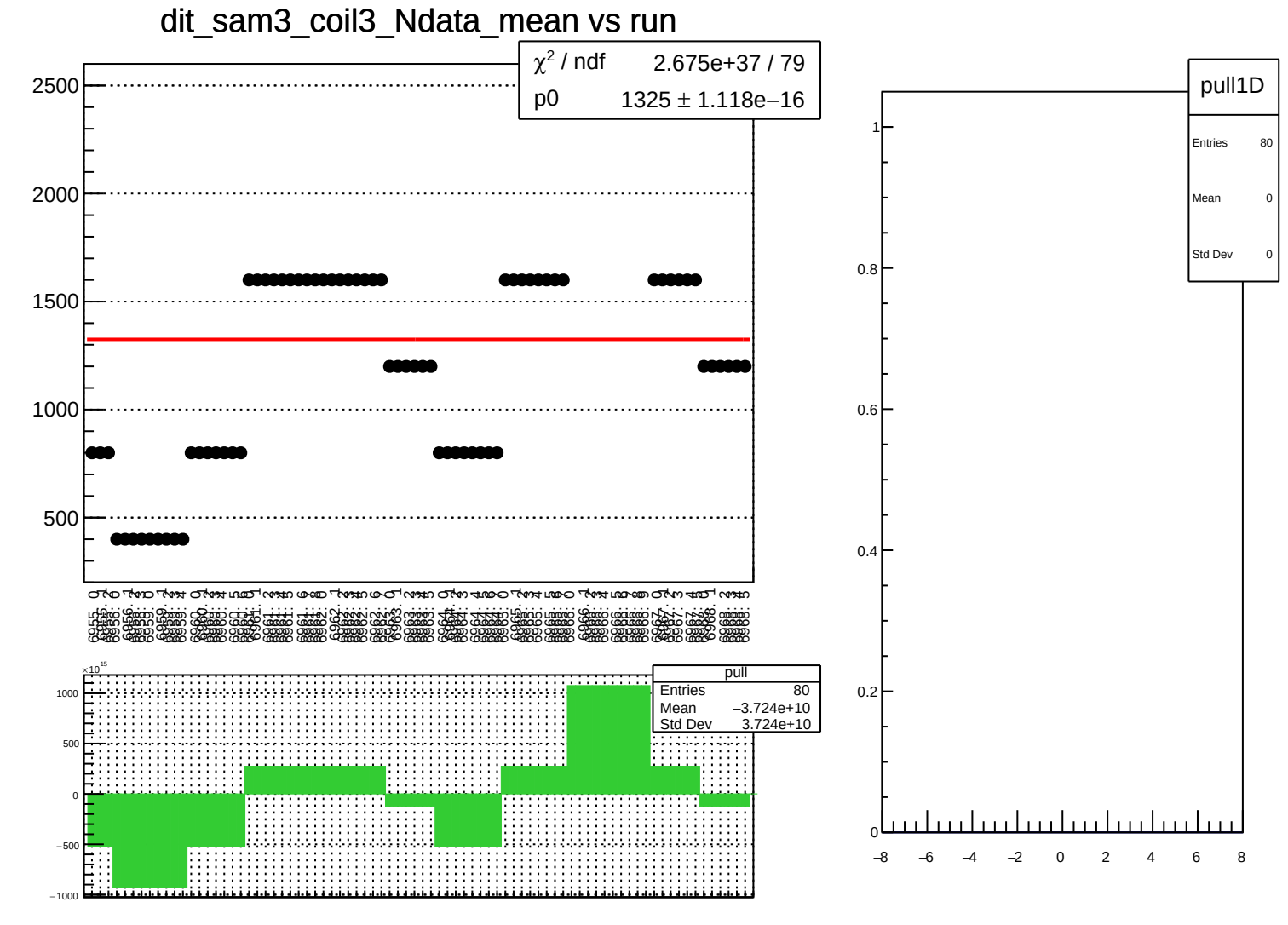
2
4
6
8

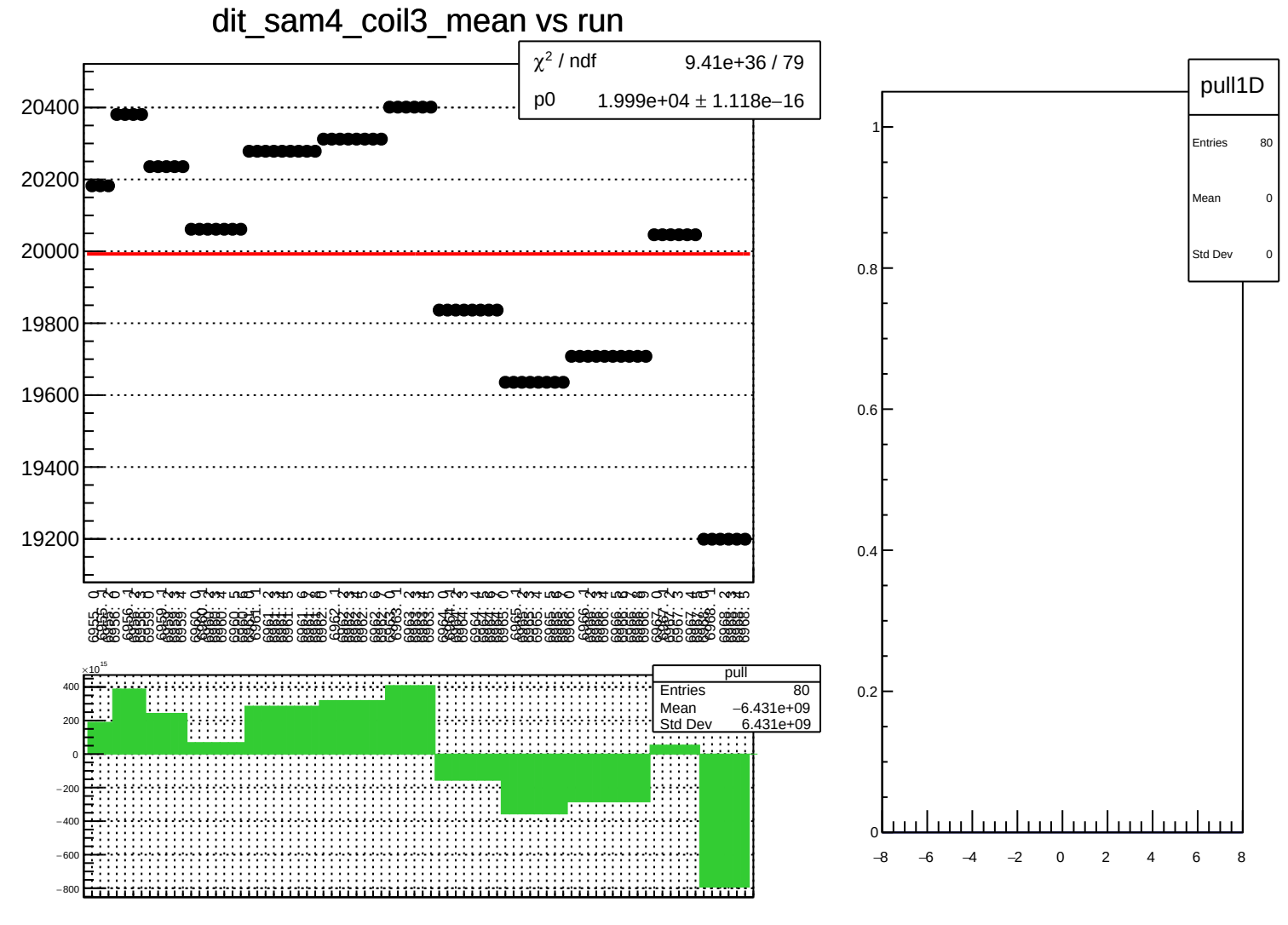

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

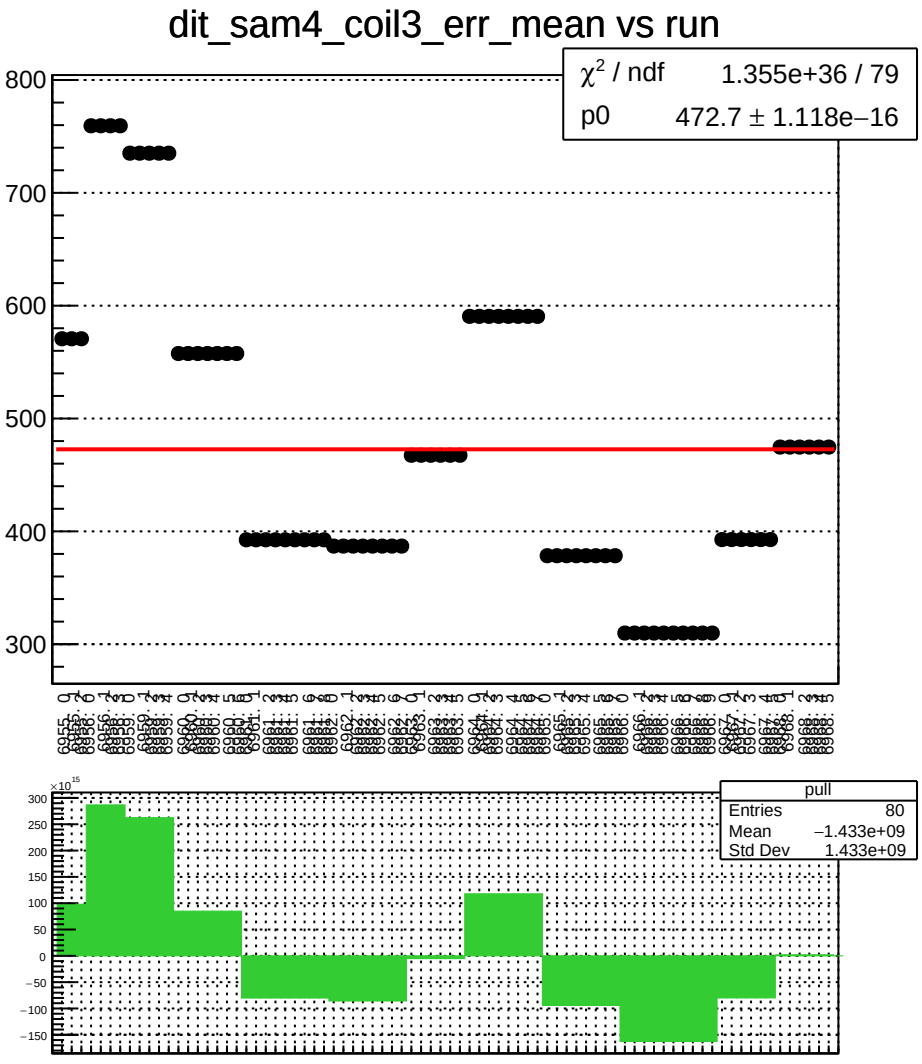

dit_sam3_coil3_mean vs run
χ² / ndf 7.389e+36 / 79
p0 1.071e+04 ± 1.118e−16
11000
10800
10600
10400
10200
10000
pull
Entries 80
Mean −2.463e+09
Std Dev 2.463e+09
×10¹⁵
400
200
0
−200
−400
−600

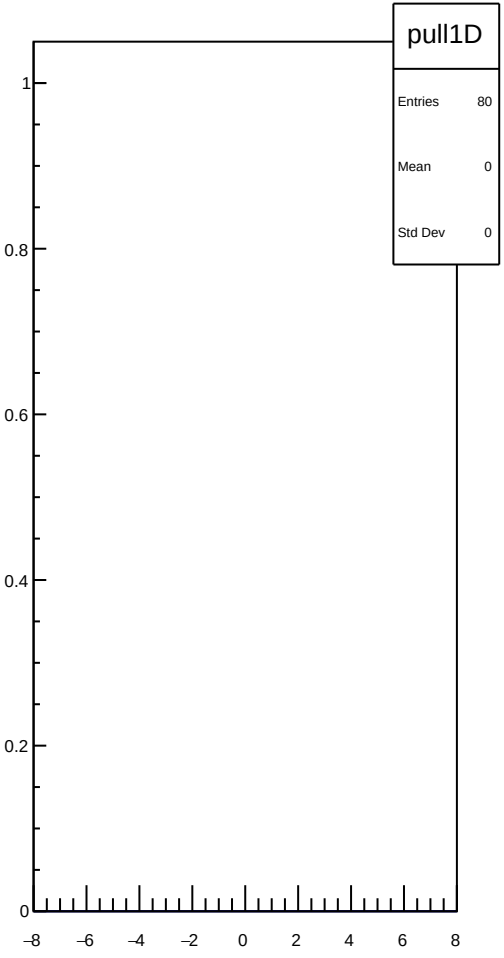

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

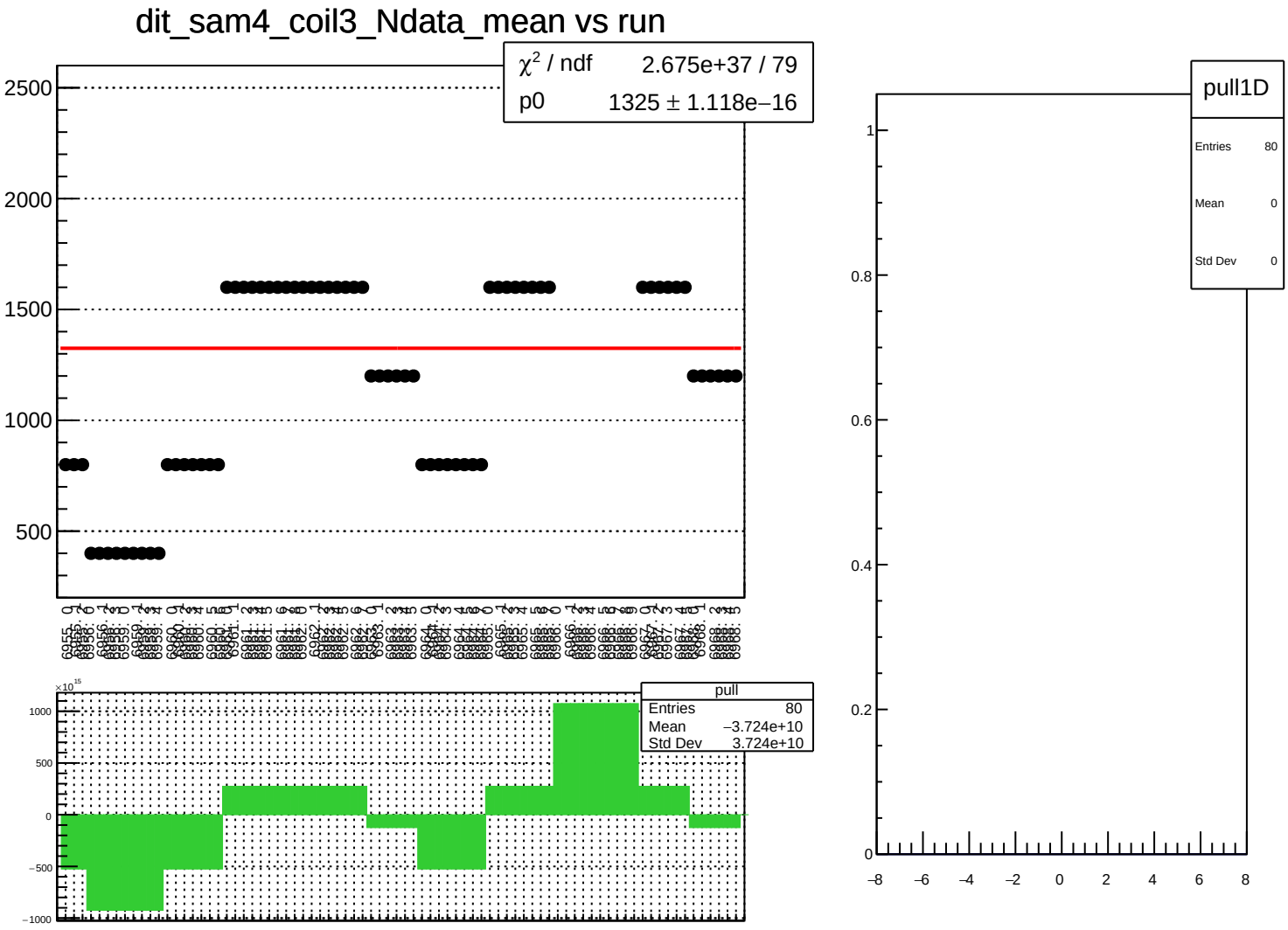

dit_sam3_coil3_err_mean vs run
χ² / ndf 4.941e+35 / 79
p0 283.9 ± 1.118e−16
450
400
350
300
250
200
pull
Entries 80
Mean −7.607e+09
Std Dev 7.607e+09
×10¹⁵
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

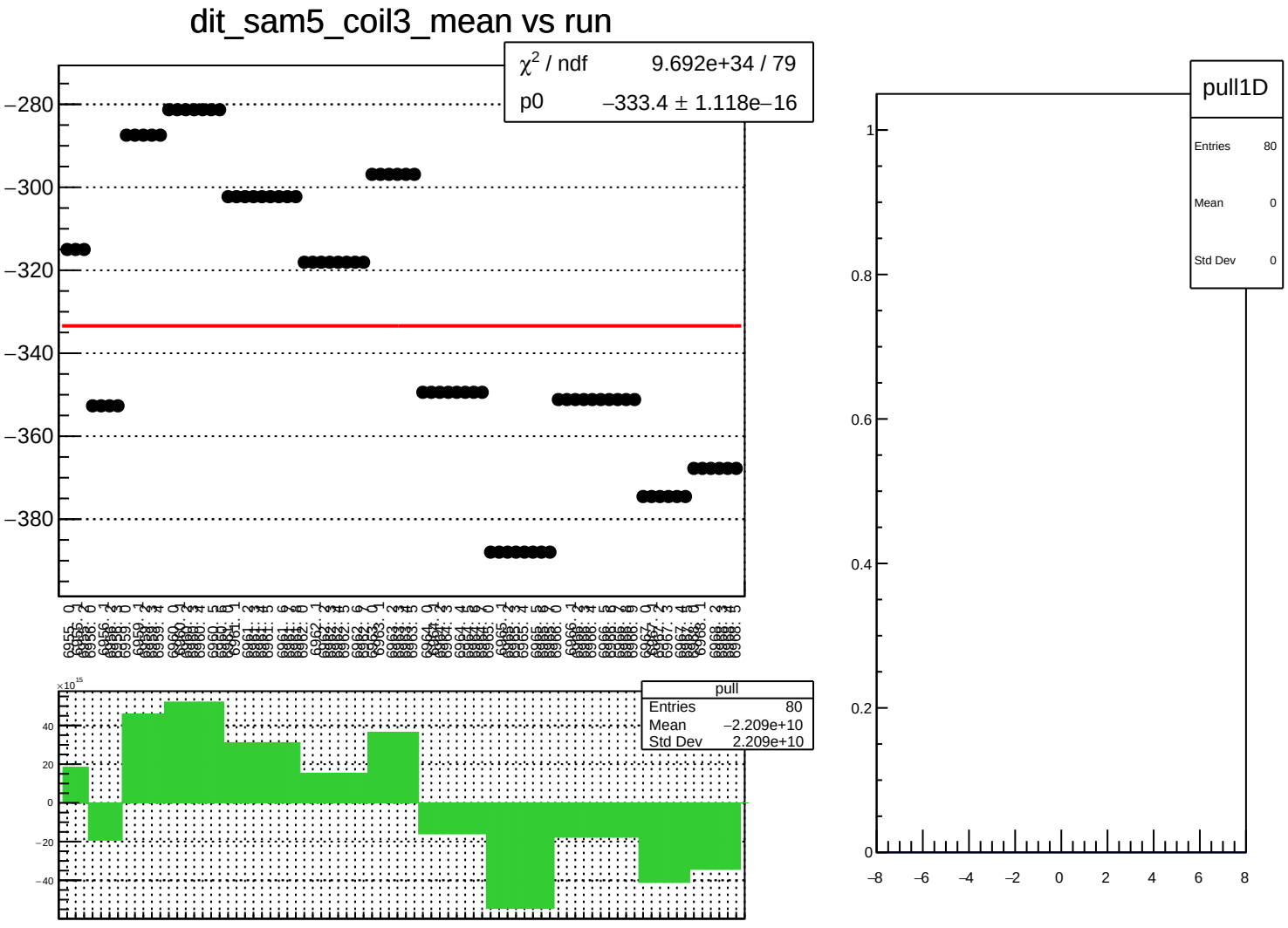

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

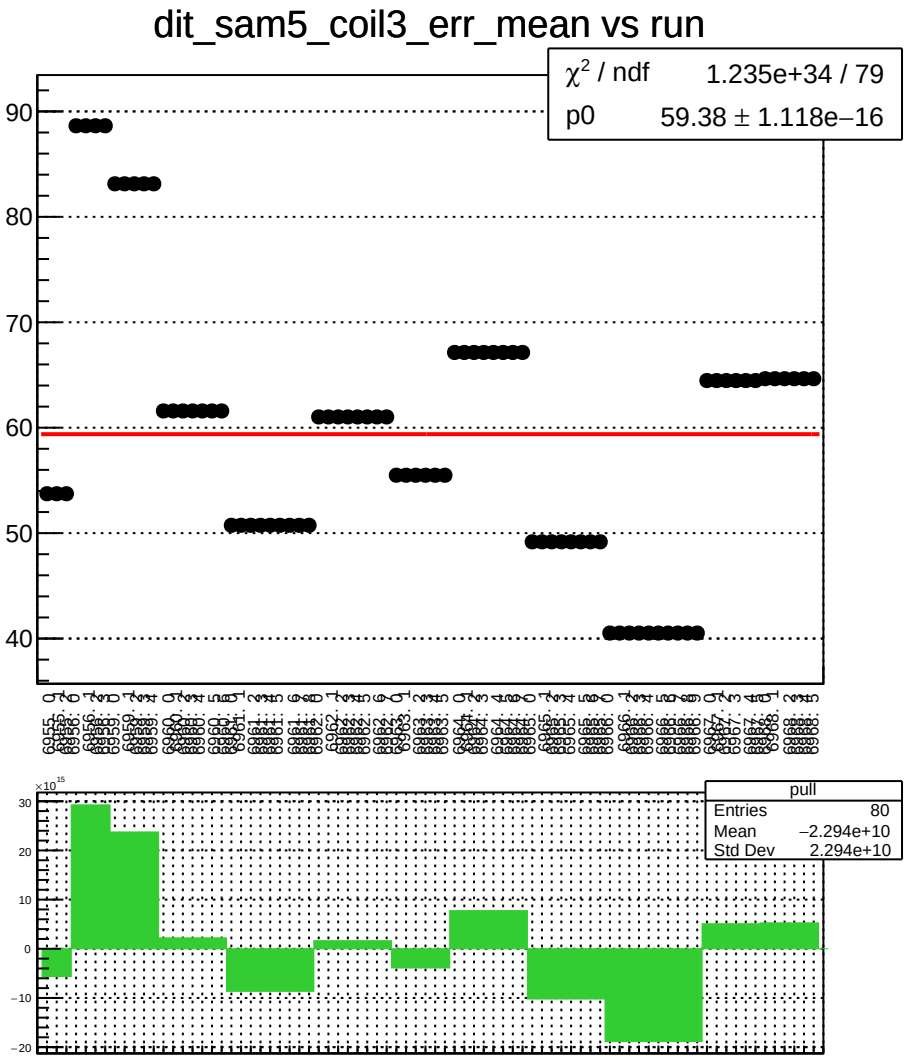

dit_sam4_coil3_mean vs run
χ² / ndf 9.41e+36 / 79
p0 1.999e+04 ± 1.118e−16
20400
20200
20000
19800
19600
19400
19200
pull
Entries 80
Mean −6.431e+09
Std Dev 6.431e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

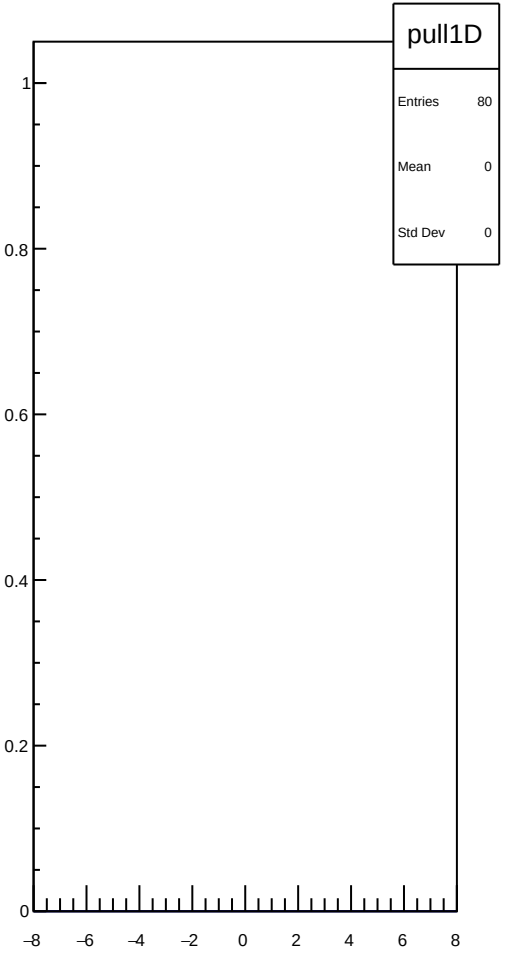

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 1.355e+36 / 79
p0 472.7 ± 1.118e−16
800
700
600
500
400
300
pull
Entries 80
Mean −1.433e+09
Std Dev 1.433e+09
×10^15
300
250
200
150
100
50
0
−50
−100
−150

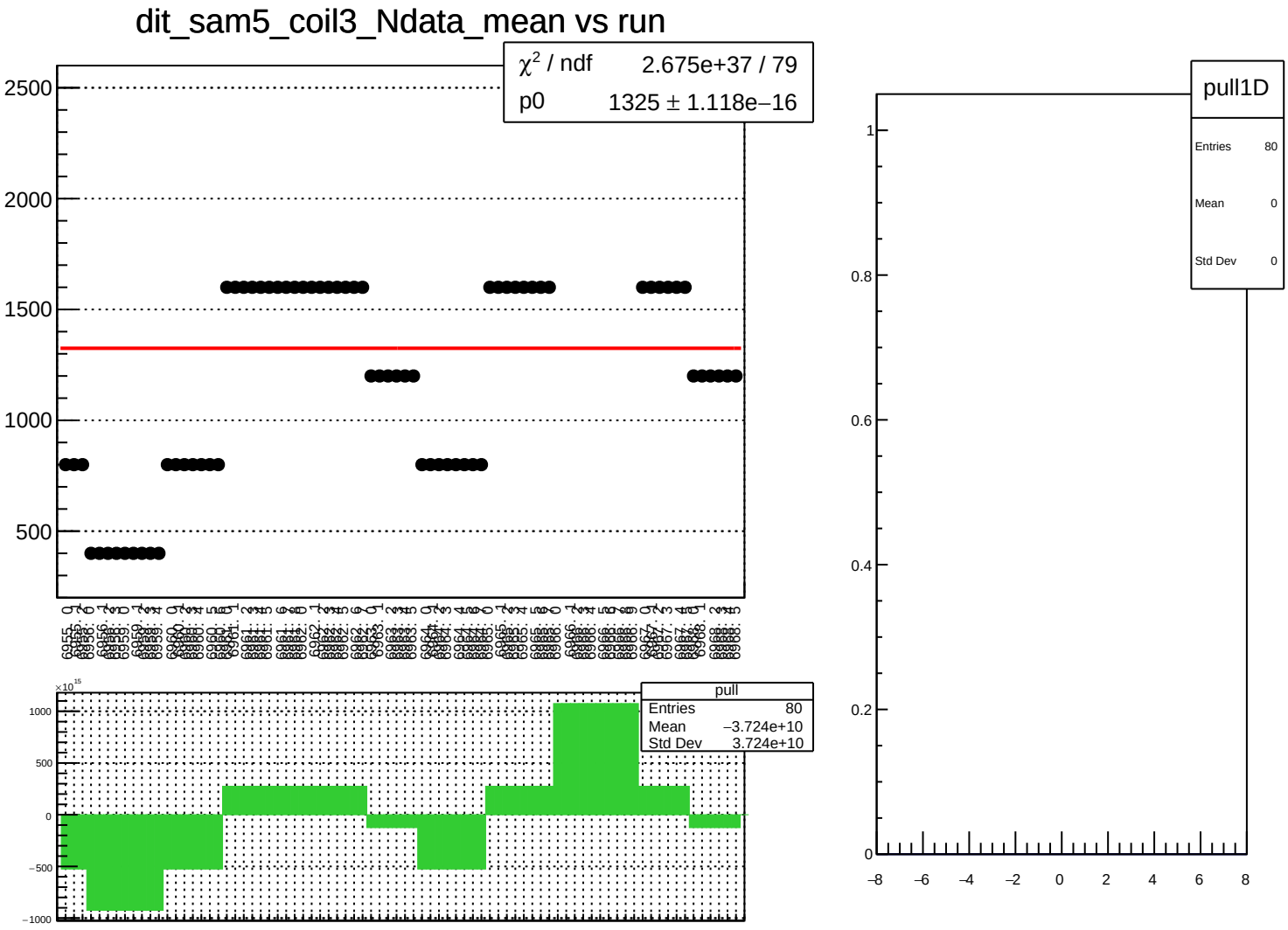

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

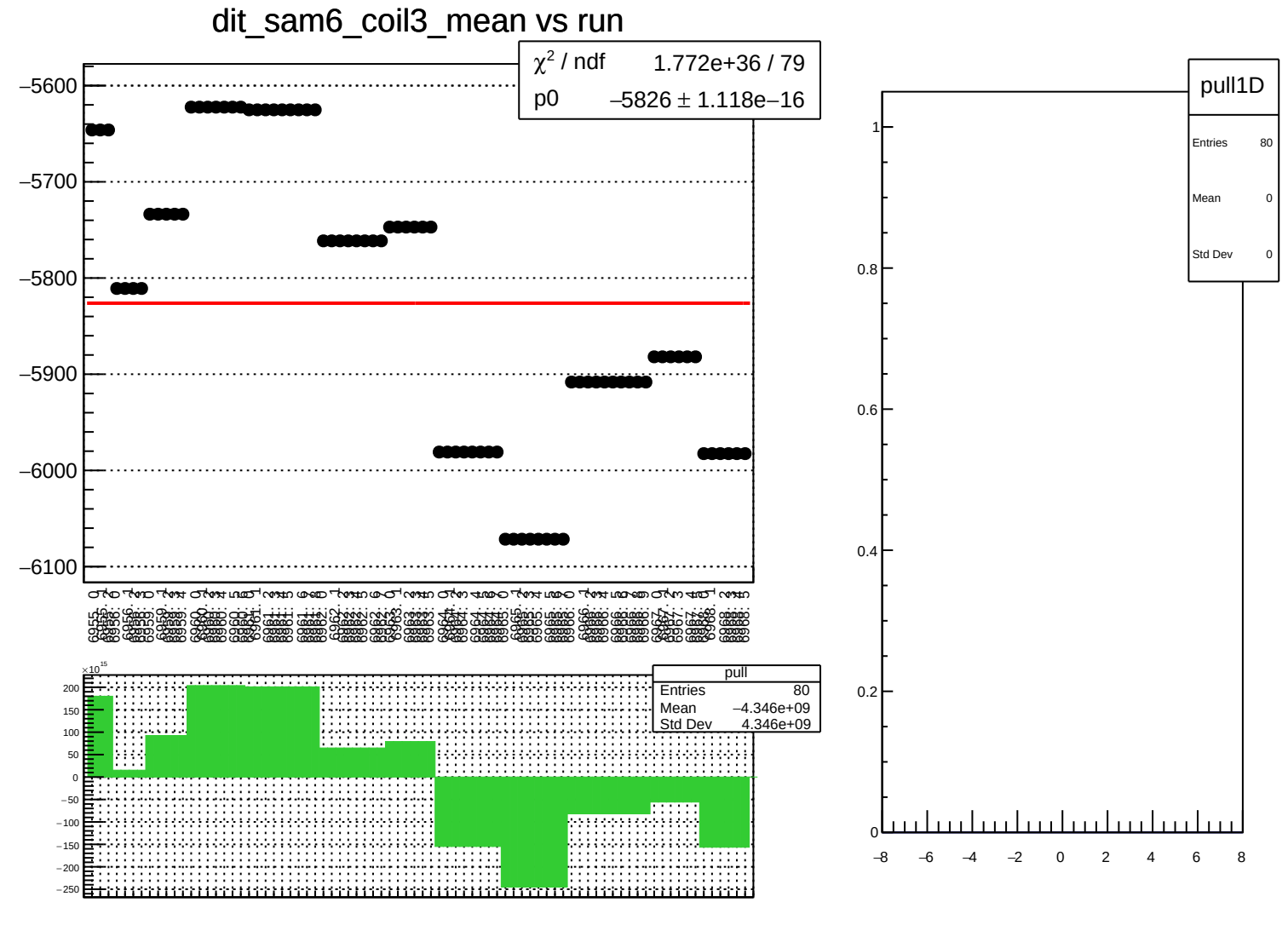

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

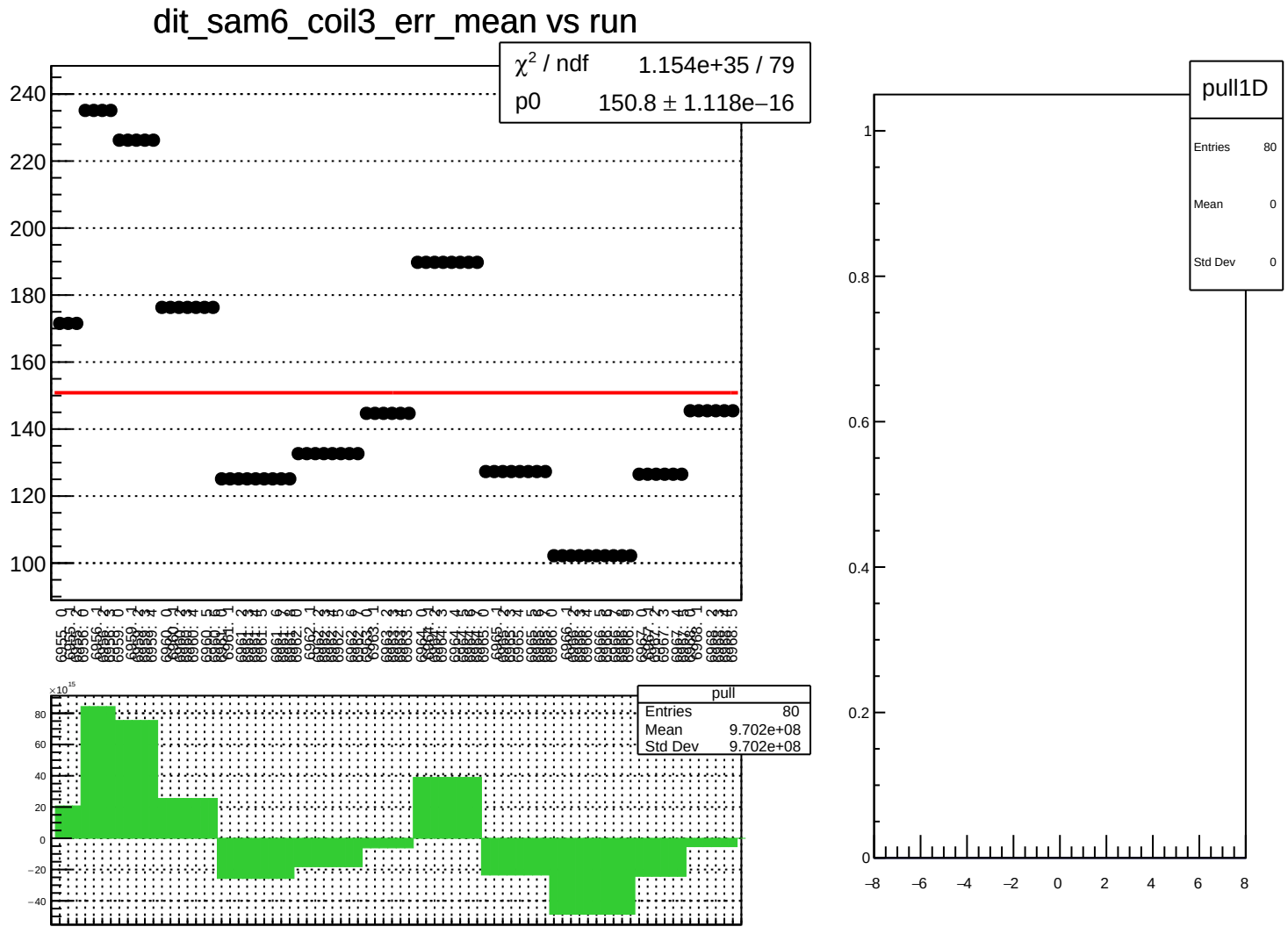

dit_sam5_coil3_mean vs run
χ² / ndf 9.692e+34 / 79
p0 −333.4 ± 1.118e−16
−280
−300
−320
−340
−360
−380
pull
Entries 80
Mean −2.209e+10
Std Dev 2.209e+10
×10¹⁵
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

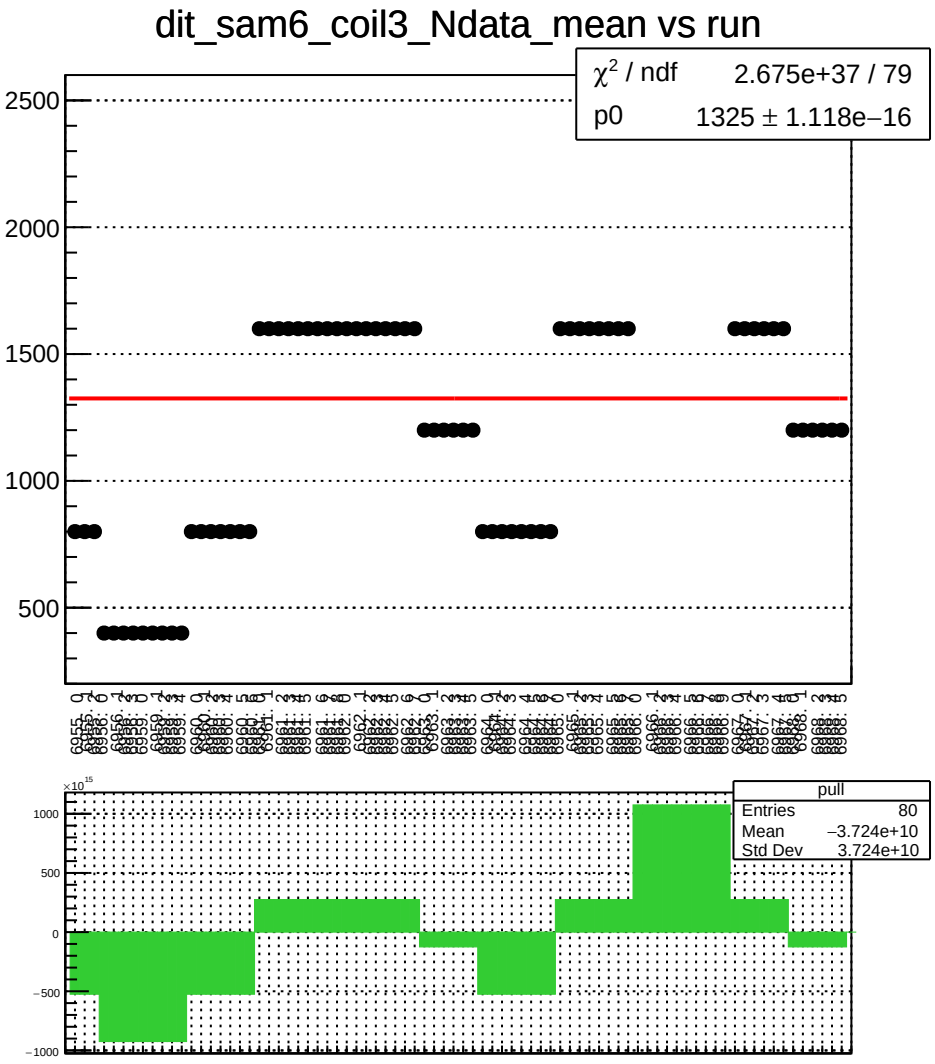

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.235e+34 / 79
p0 59.38 ± 1.118e−16
pull
Entries 80
Mean −2.294e+10
Std Dev 2.294e+10

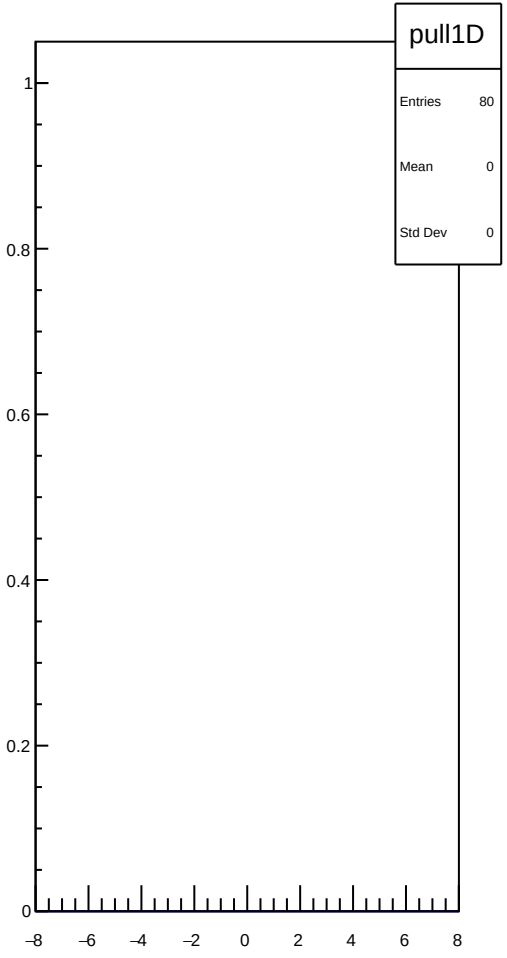

pull1D
Entries 80
Mean 0
Std Dev 0

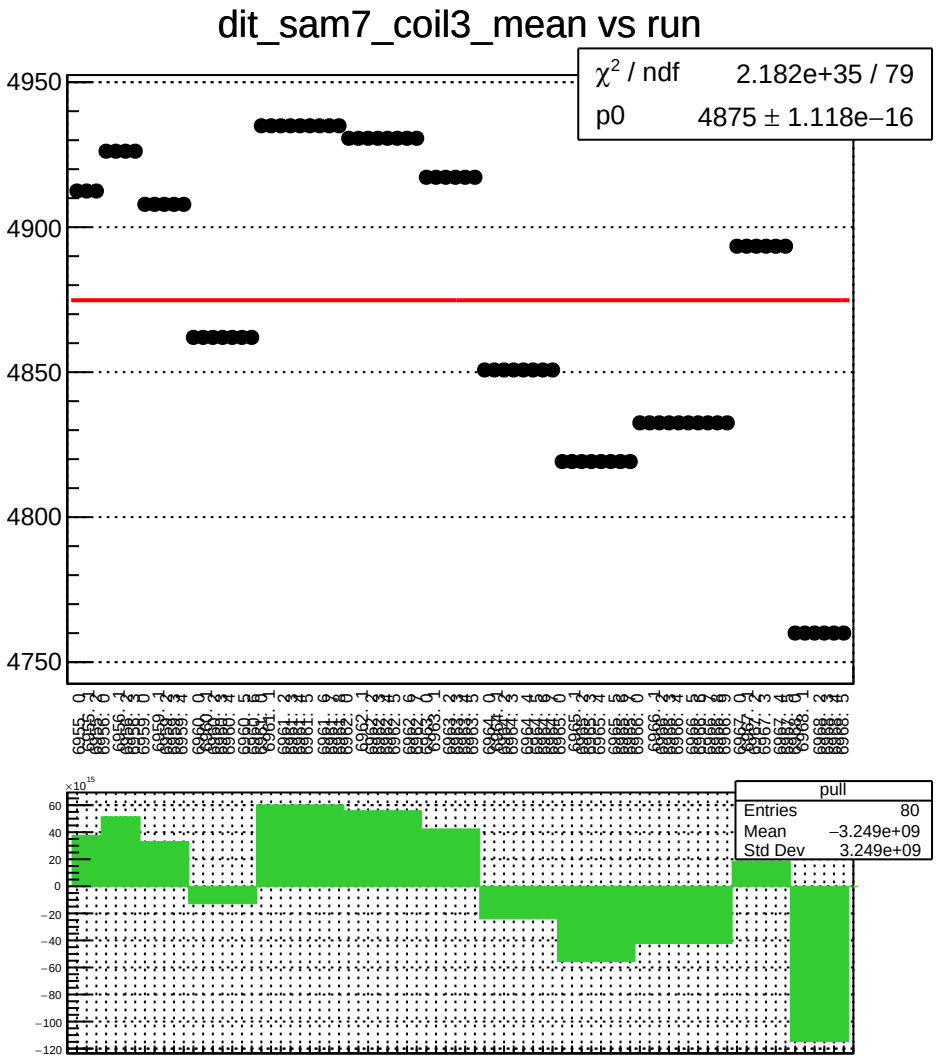

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

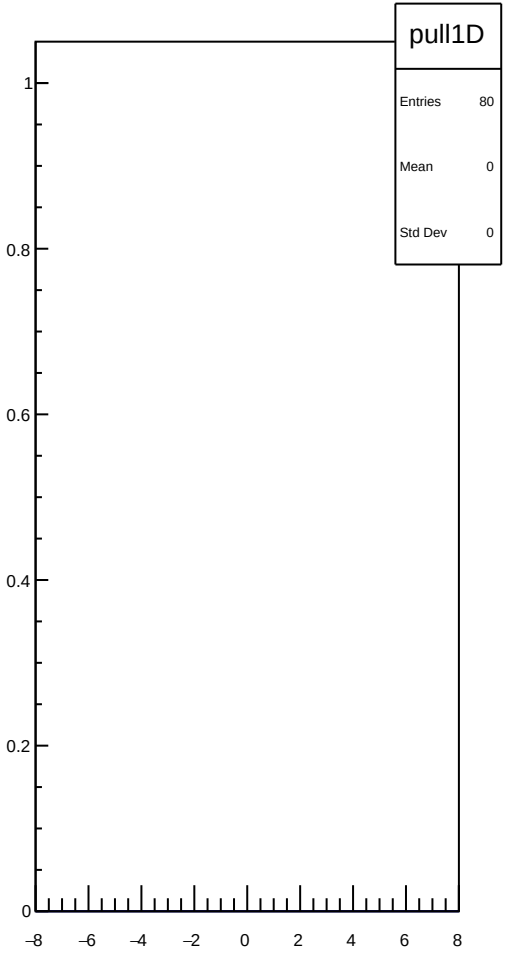

dit_sam6_coil3_mean vs run
χ^2 / ndf 1.772e+36 / 79
p0 –5826 ± 1.118e–16
–5600
–5700
–5800
–5900
–6000
–6100
pull
Entries 80
Mean –4.346e+09
Std Dev 4.346e+09
×10^15
200
150
100
50
0
–50
–100
–150
–200
–250
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

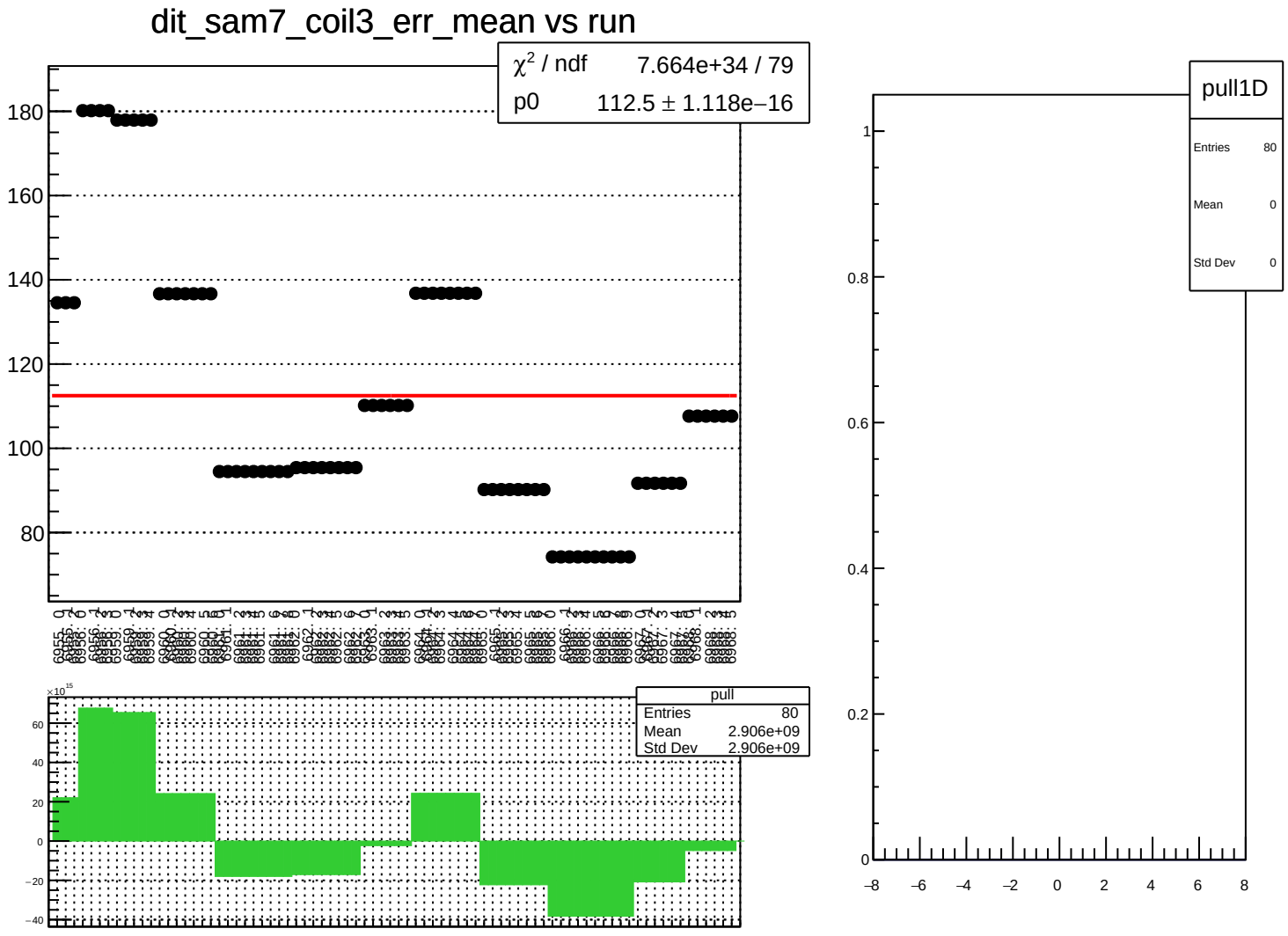

dit_sam6_coil3_err_mean vs run
χ² / ndf 1.154e+35 / 79
p0 150.8 ± 1.118e−16
pull
Entries 80
Mean 9.702e+08
Std Dev 9.702e+08
pull1D
Entries 80
Mean 0
Std Dev 0

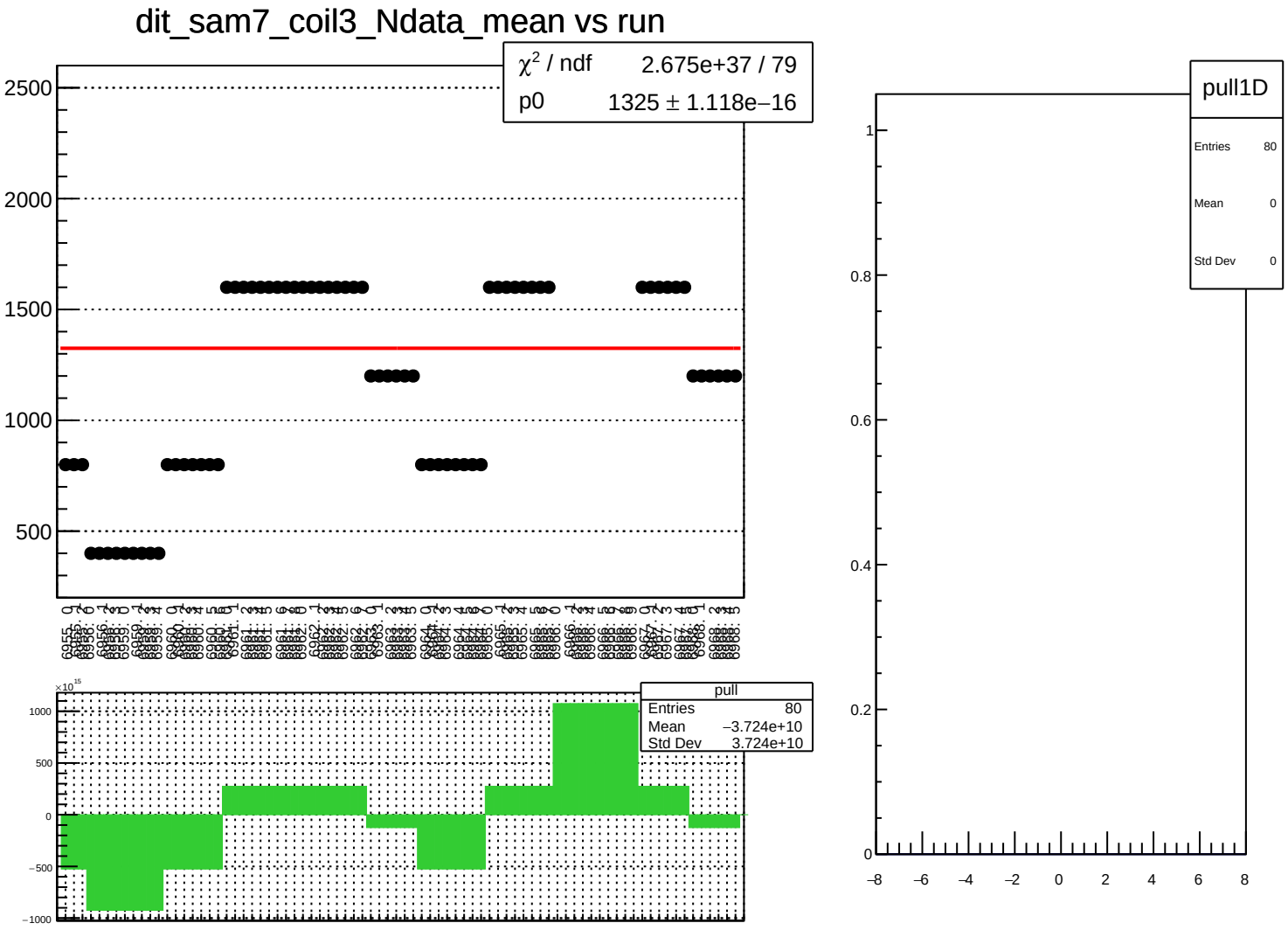

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000

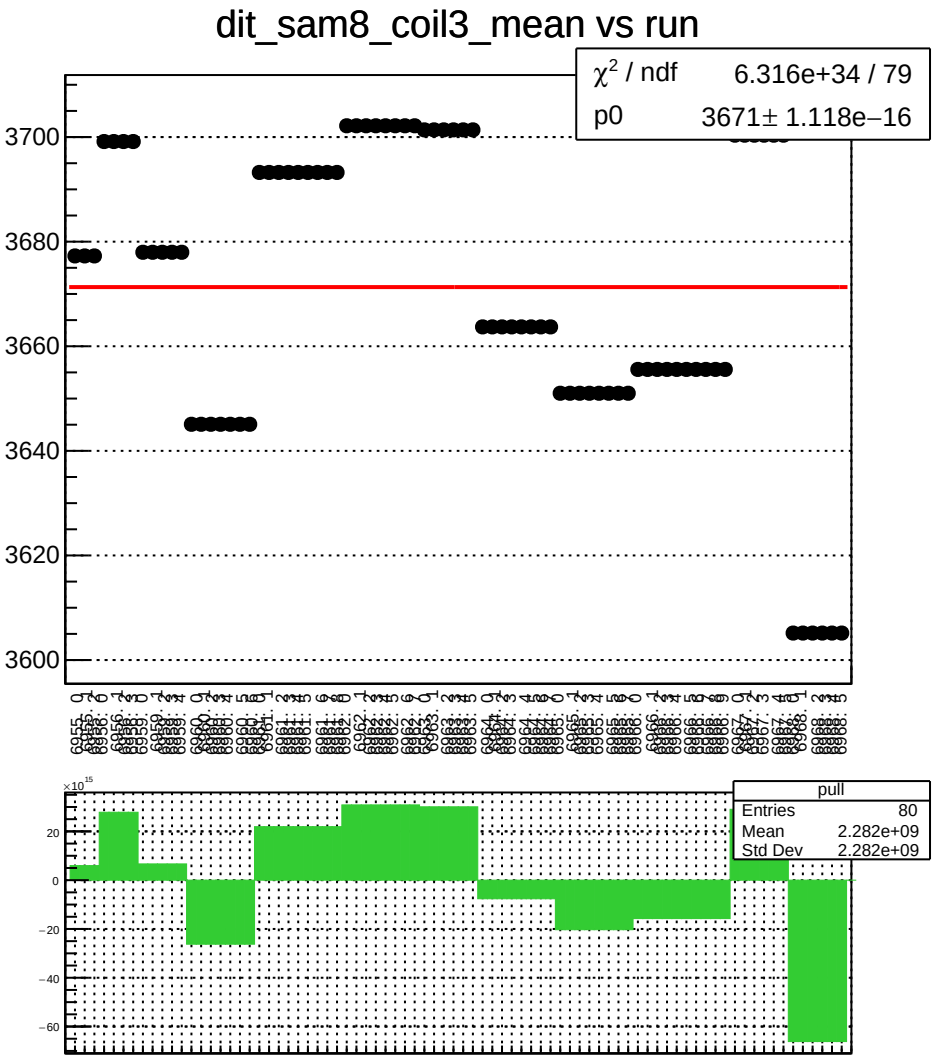

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

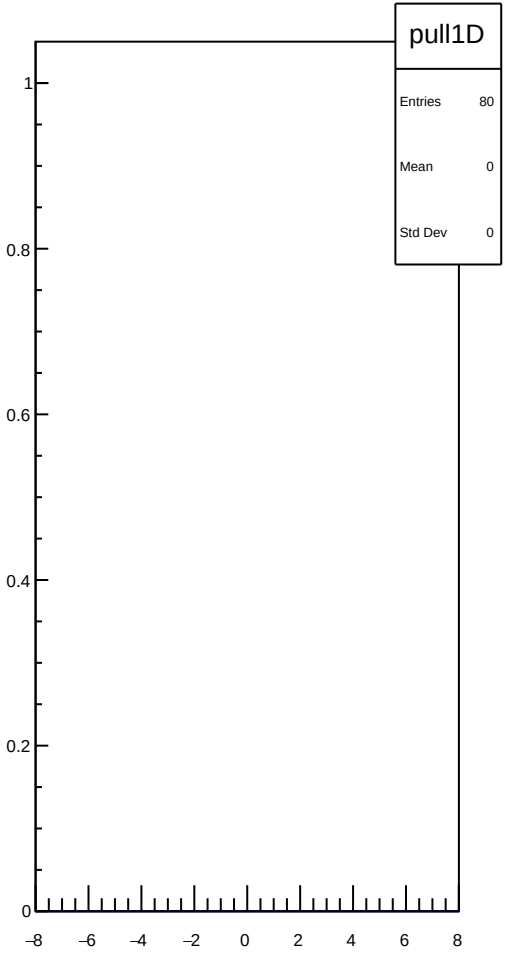

dit_sam7_coil3_mean vs run
χ² / ndf 2.182e+35 / 79
p0 4875 ± 1.118e−16
4950
4900
4850
4800
4750
pull
Entries 80
Mean −3.249e+09
Std Dev 3.249e+09
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100
−120

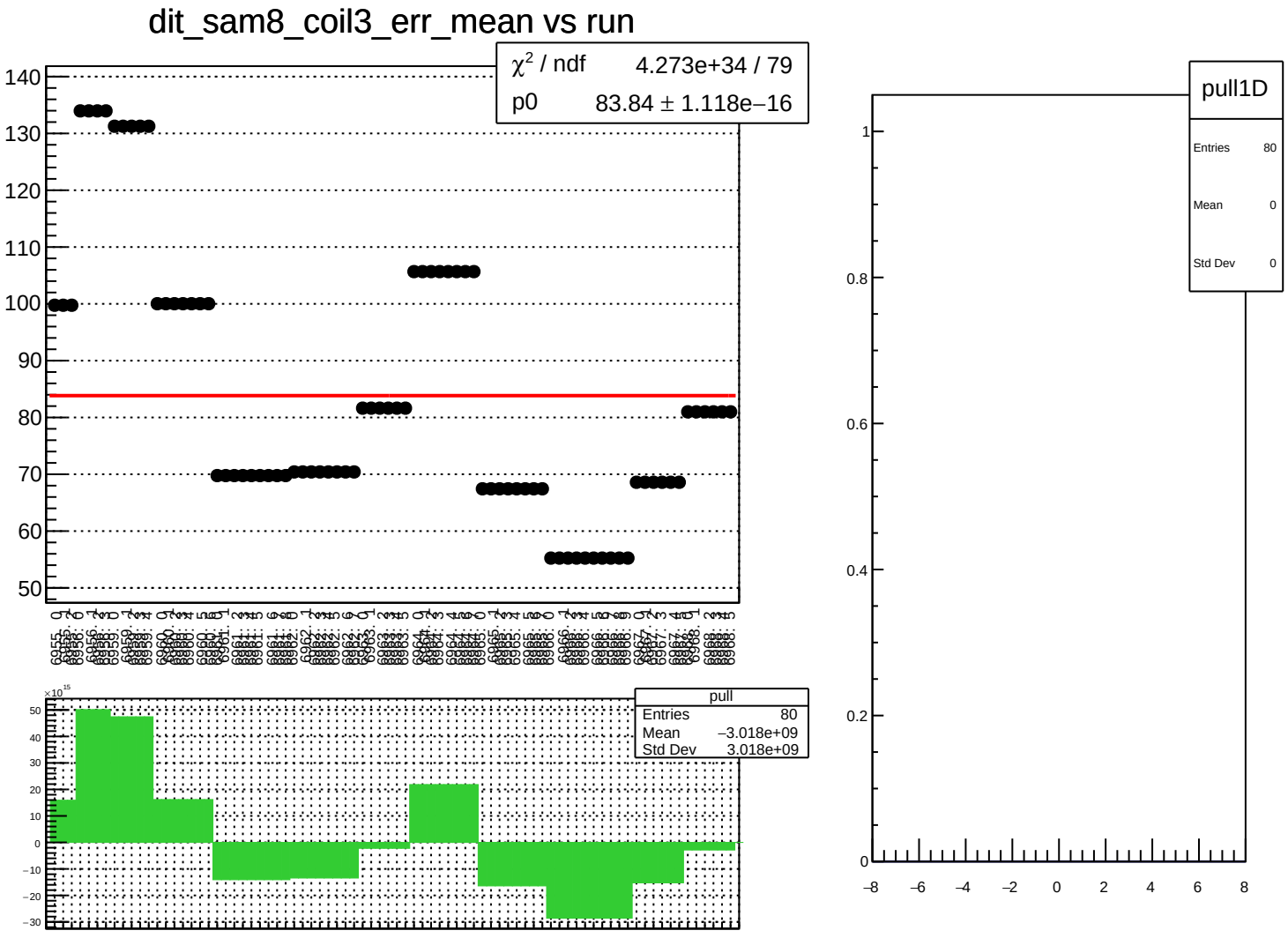

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

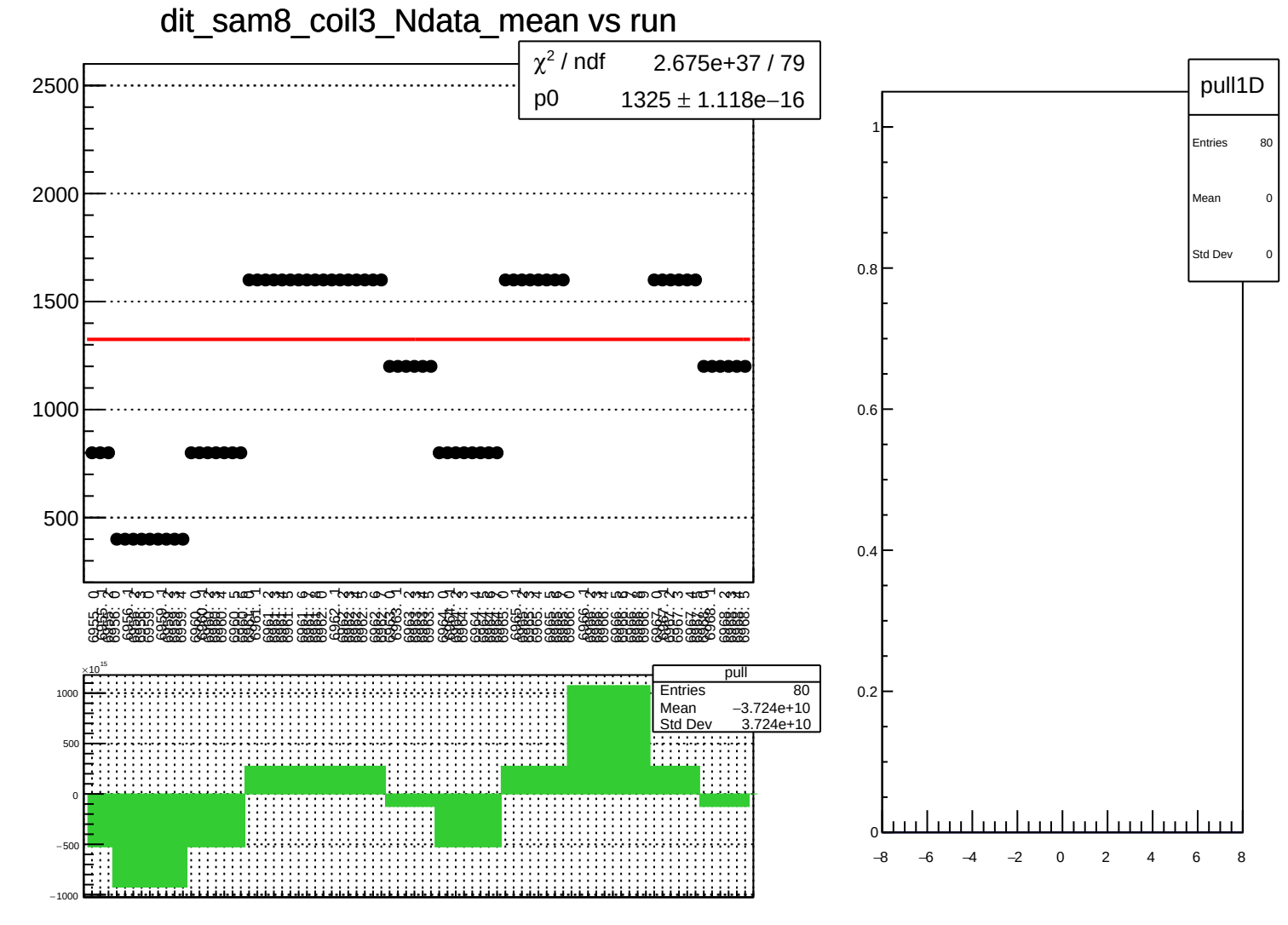

dit_sam7_coil3_err_mean vs run
χ² / ndf 7.664e+34 / 79
p0 112.5 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean 2.906e+09
Std Dev 2.906e+09
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

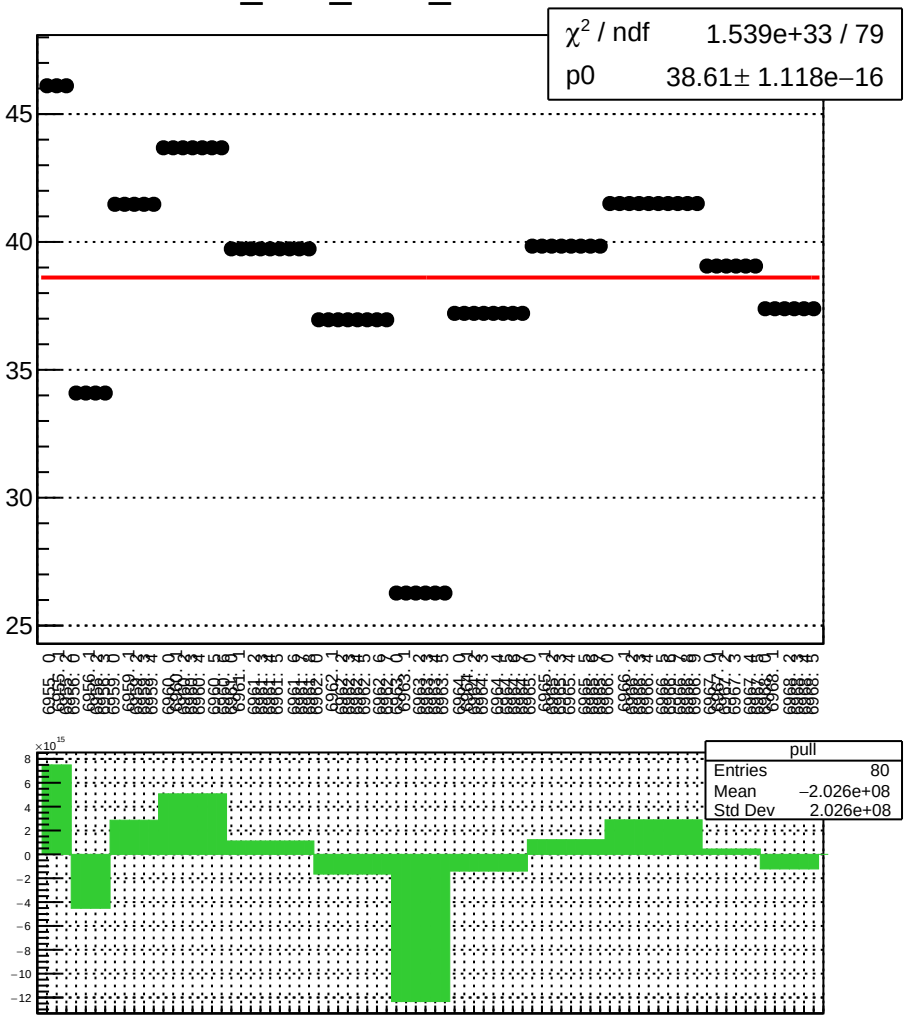

dit_sam8_coil3_mean vs run
χ² / ndf 6.316e+34 / 79
p0 3671± 1.118e−16
3700
3680
3660
3640
3620
3600
pull
Entries 80
Mean 2.282e+09
Std Dev 2.282e+09
×10¹⁵
20
0
−20
−40
−60

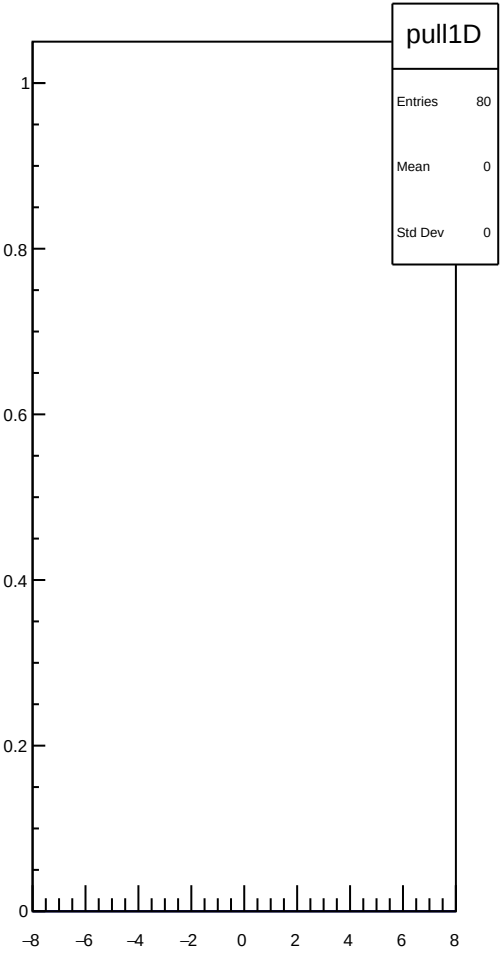

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

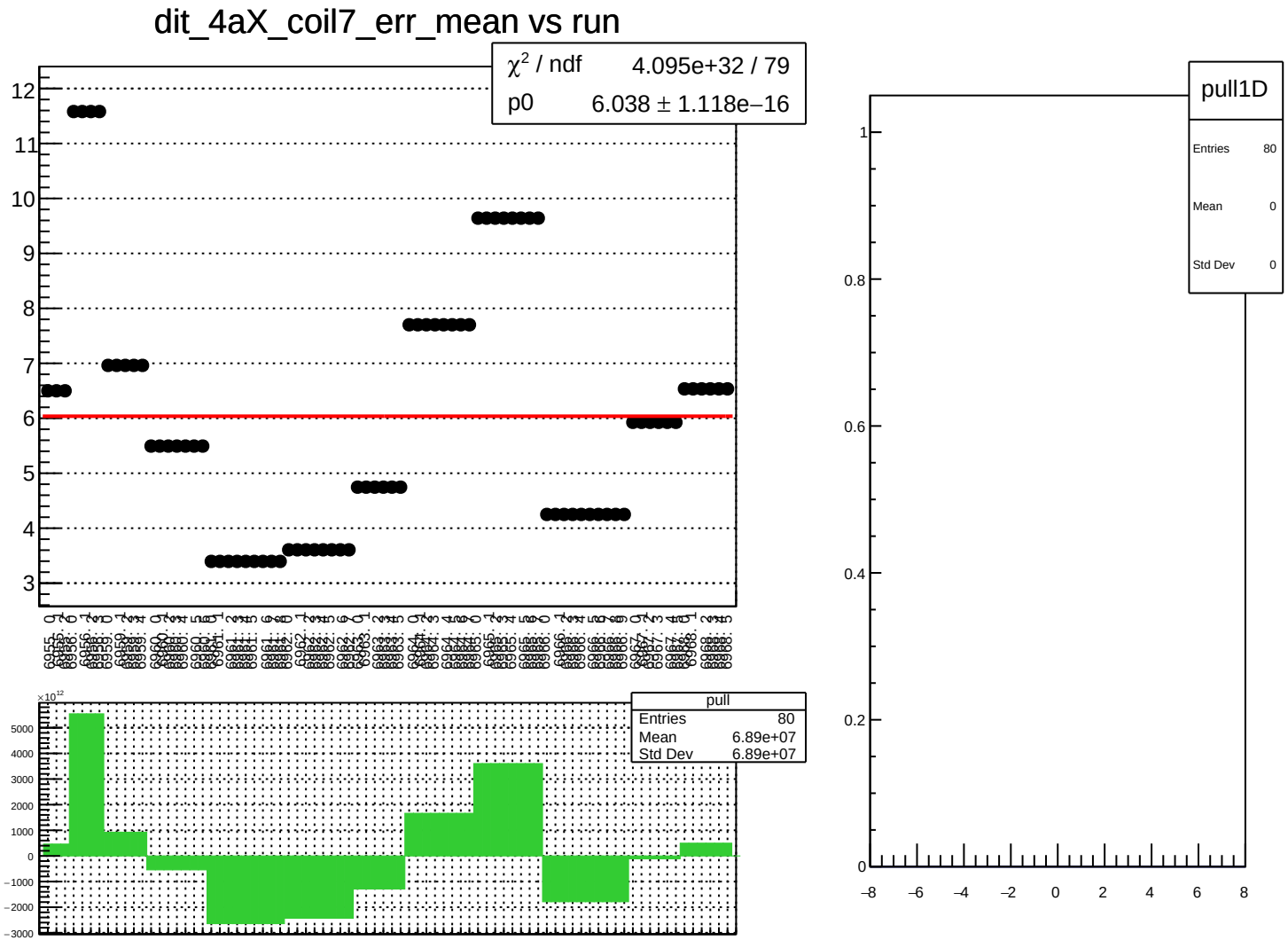

dit_sam8_coil3_err_mean vs run
χ² / ndf 4.273e+34 / 79
p0 83.84 ± 1.118e−16
pull
Entries 80
Mean −3.018e+09
Std Dev 3.018e+09
pull1D
Entries 80
Mean 0
Std Dev 0


dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 2.675e+37 / 79
p0 1325 ± 1.118e−16
2500
2000
1500
1000
500
pull
Entries 80
Mean −3.724e+10
Std Dev 3.724e+10
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

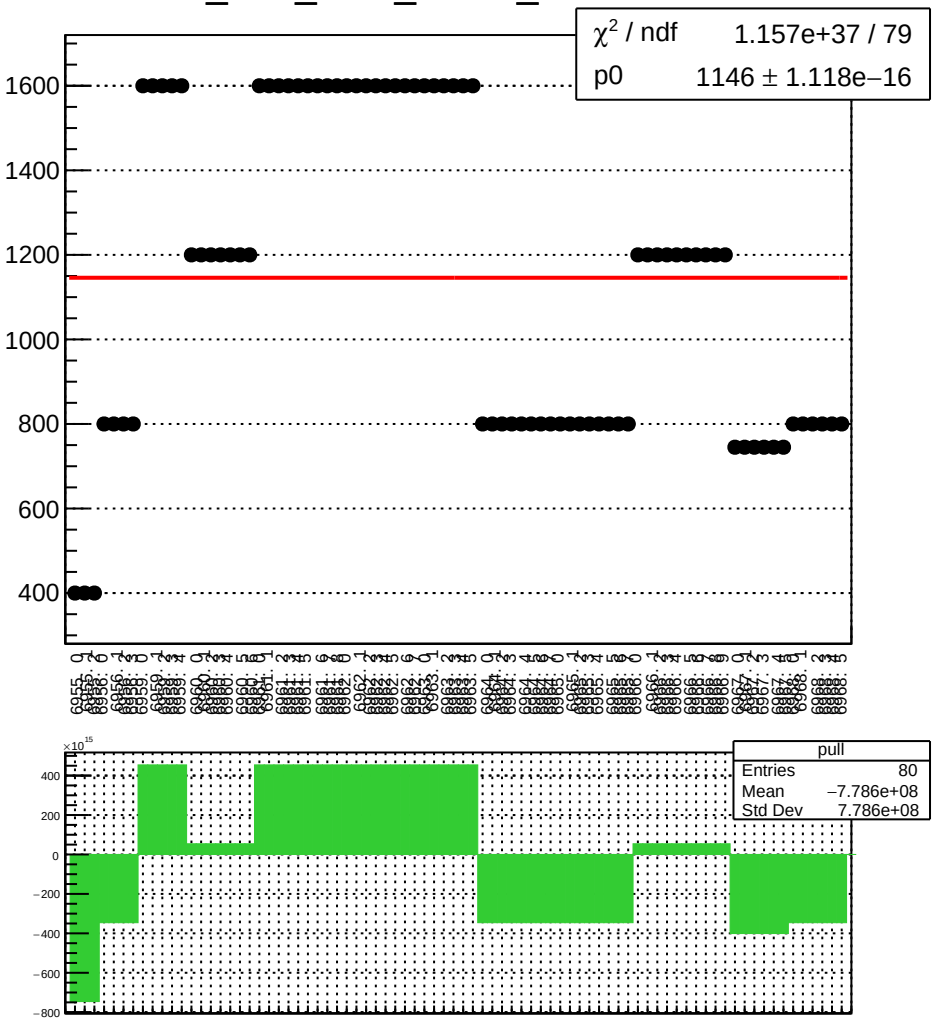
dit_4aX_coil7_mean vs run

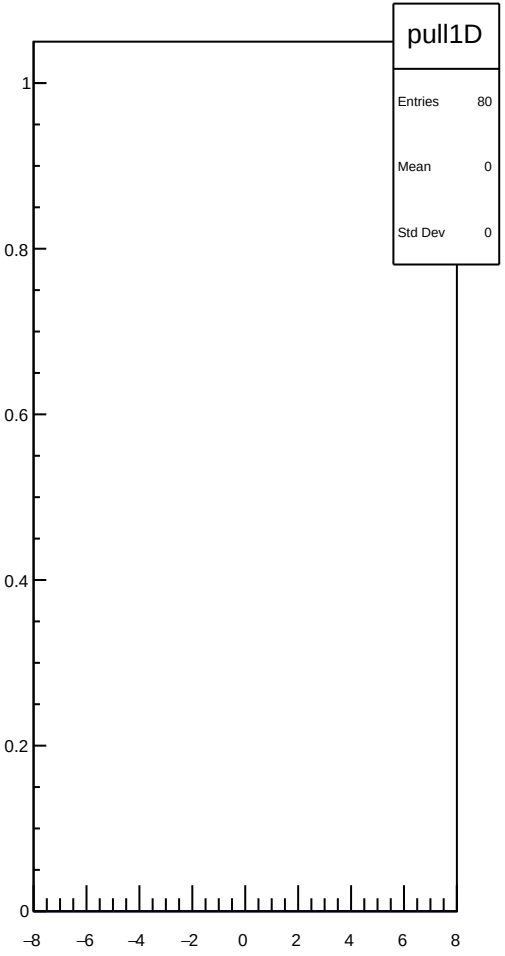




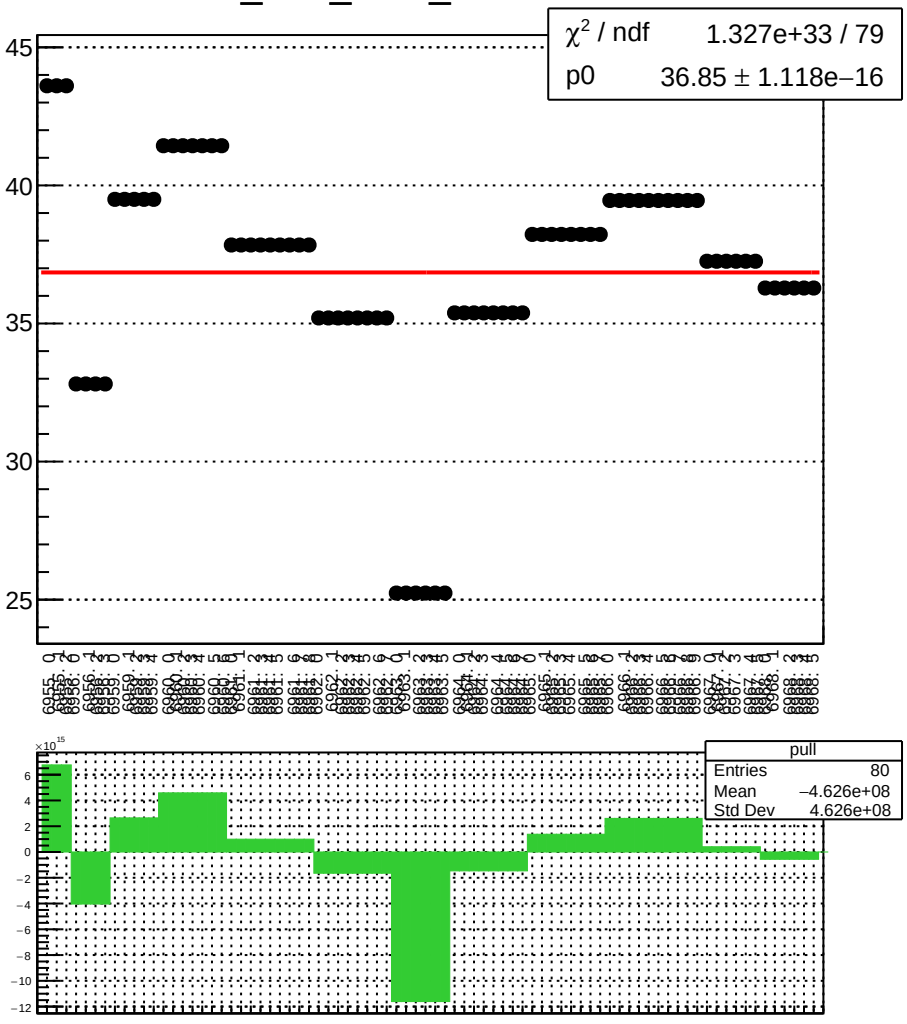

dit_4aX_coil7_err_mean vs run
χ² / ndf 4.095e+32 / 79
p0 6.038 ± 1.118e−16
pull
Entries 80
Mean 6.89e+07
Std Dev 6.89e+07
pull1D
Entries 80
Mean 0
Std Dev 0

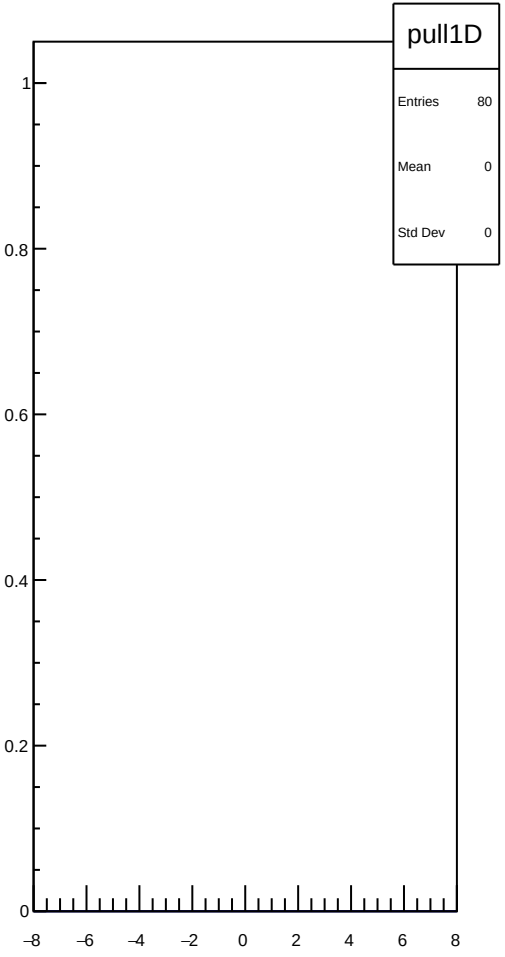
dit_4aX_coil7_Ndata_mean vs run



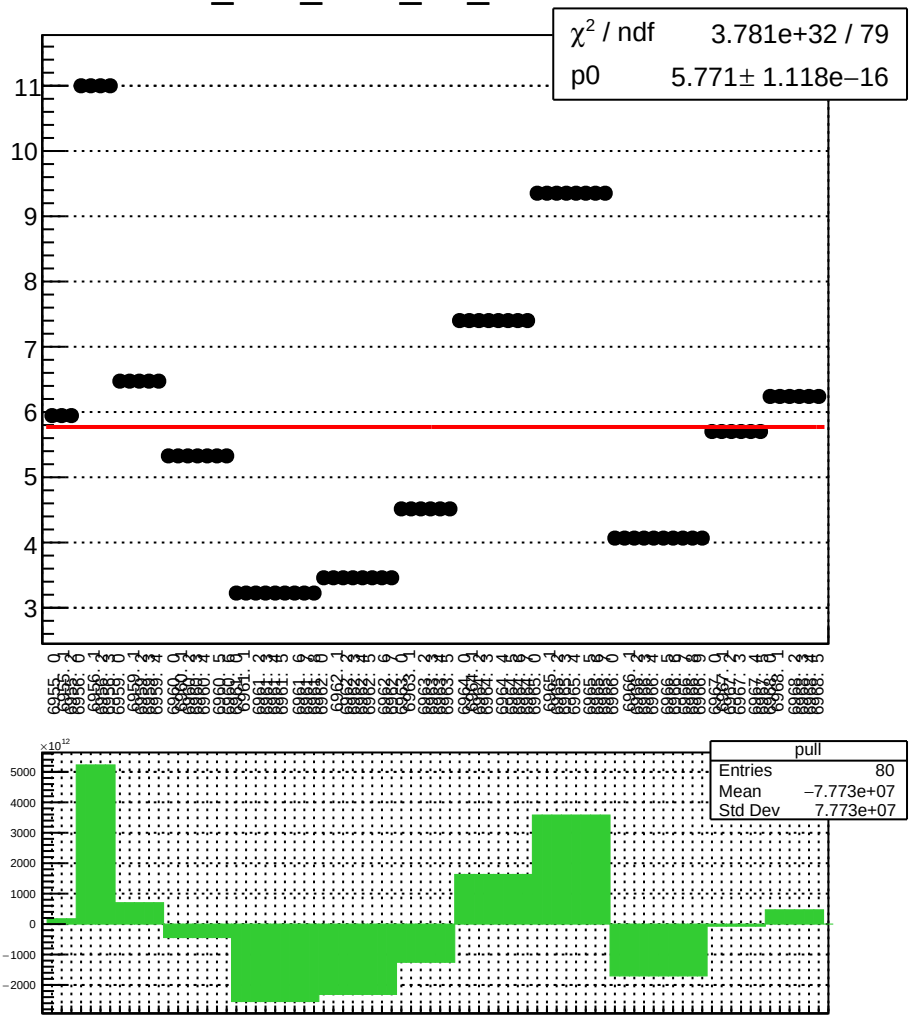


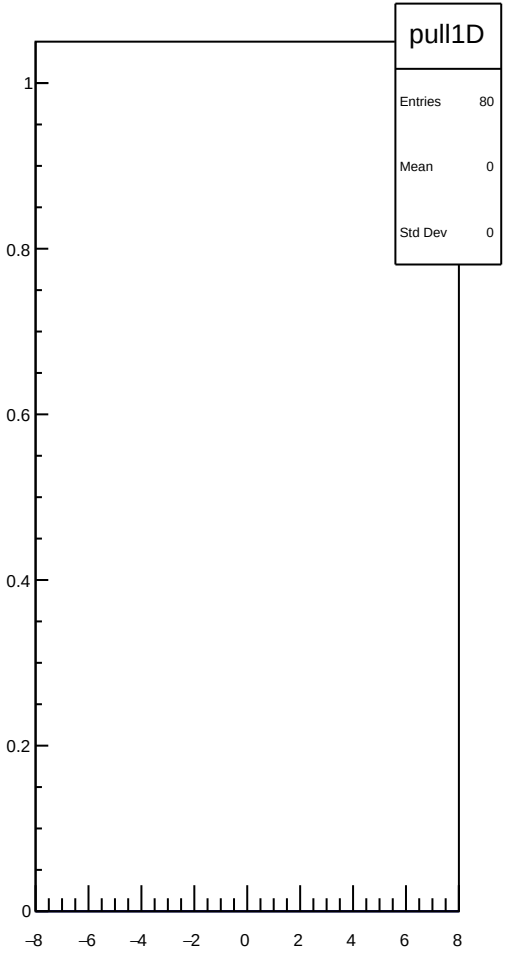
dit_4eX_coil7_mean vs run



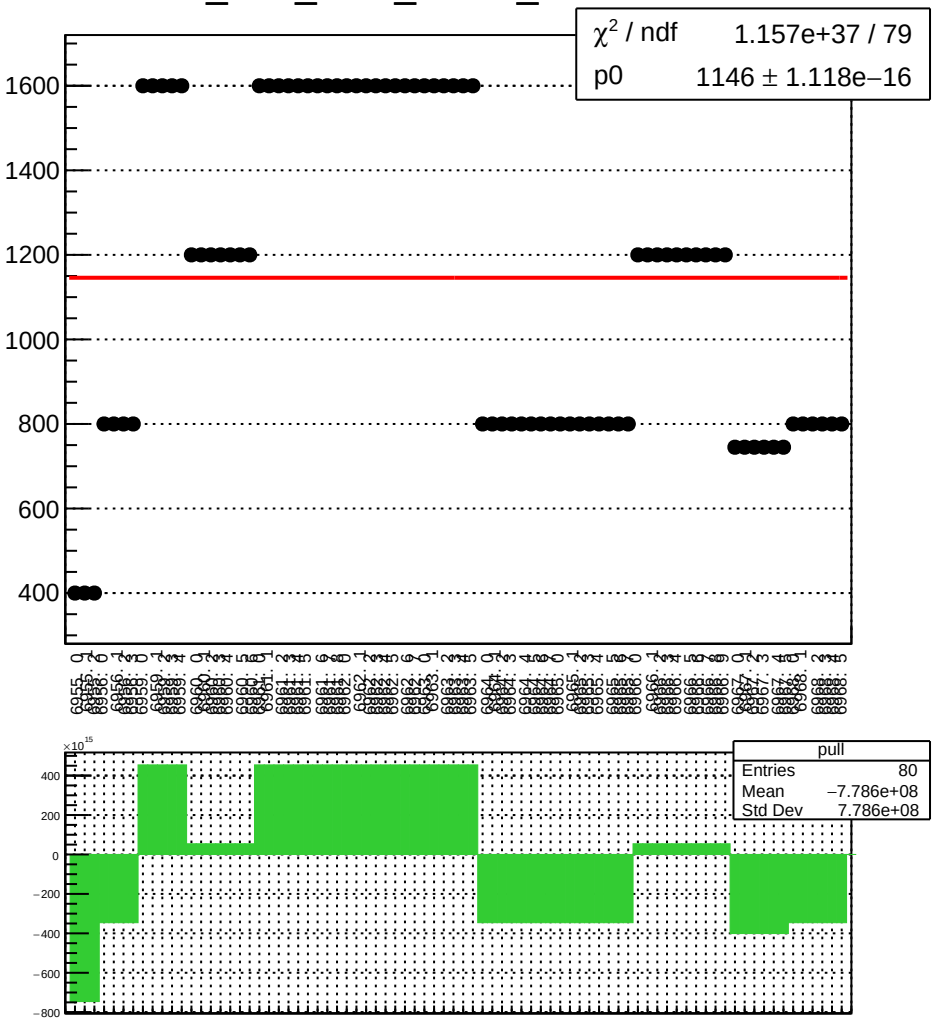


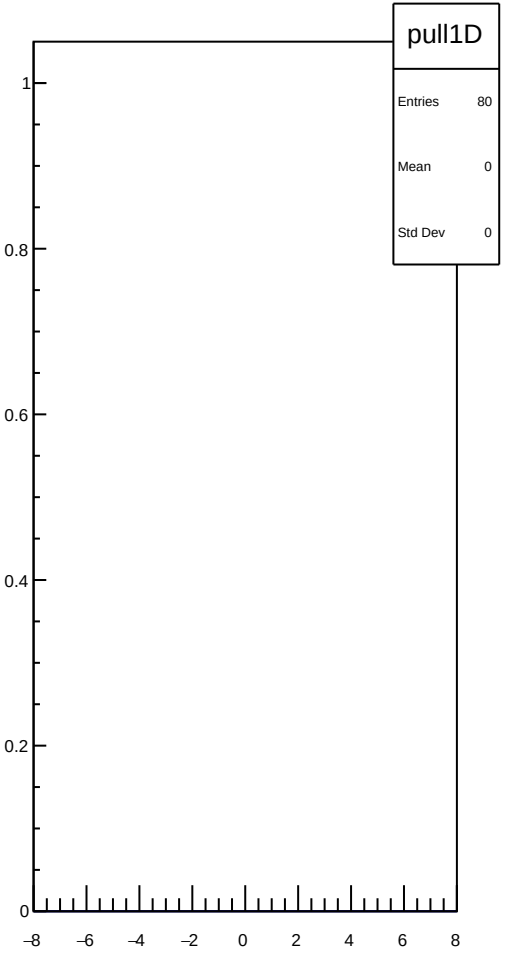
dit_4eX_coil7_err_mean vs run

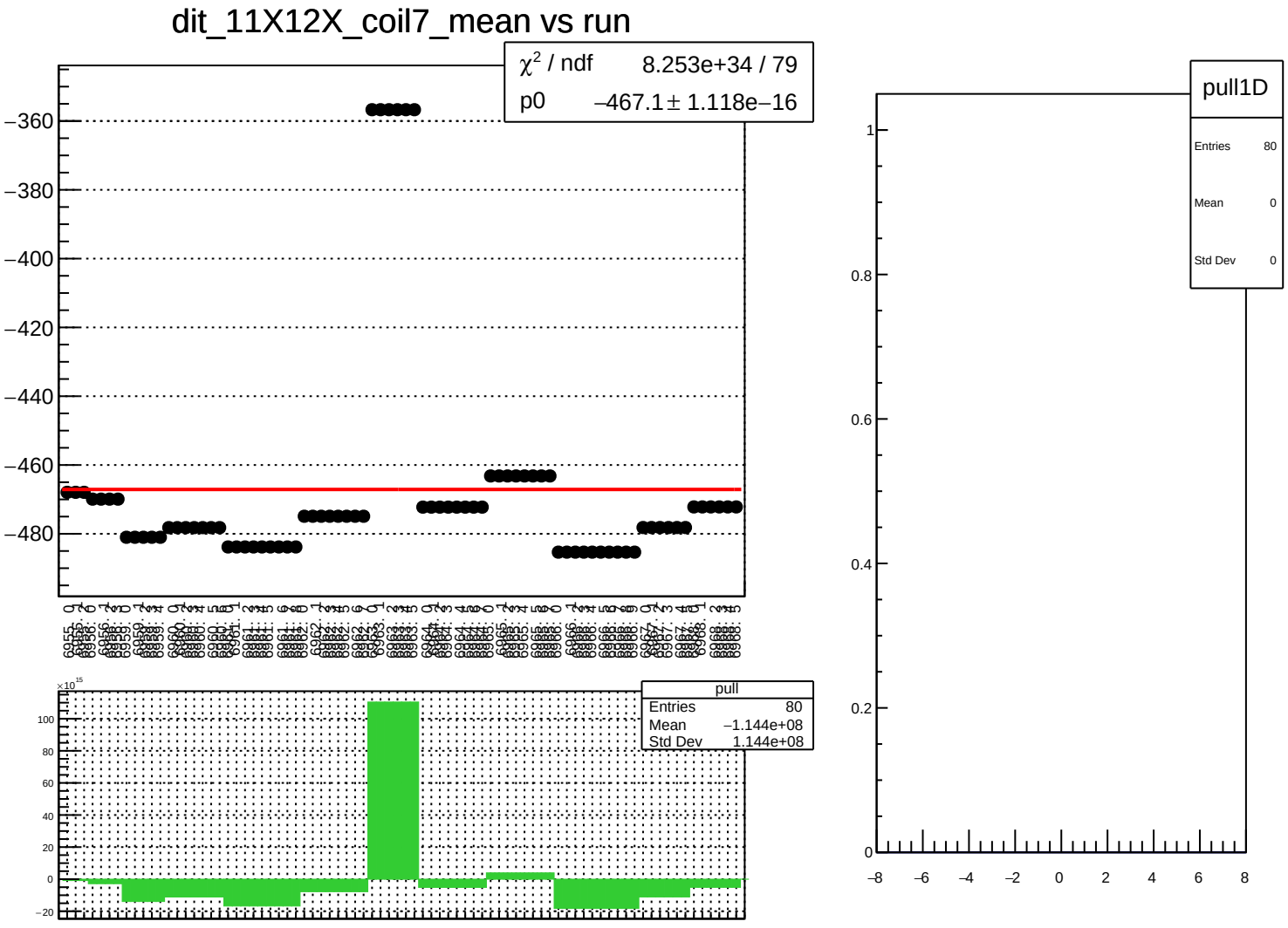




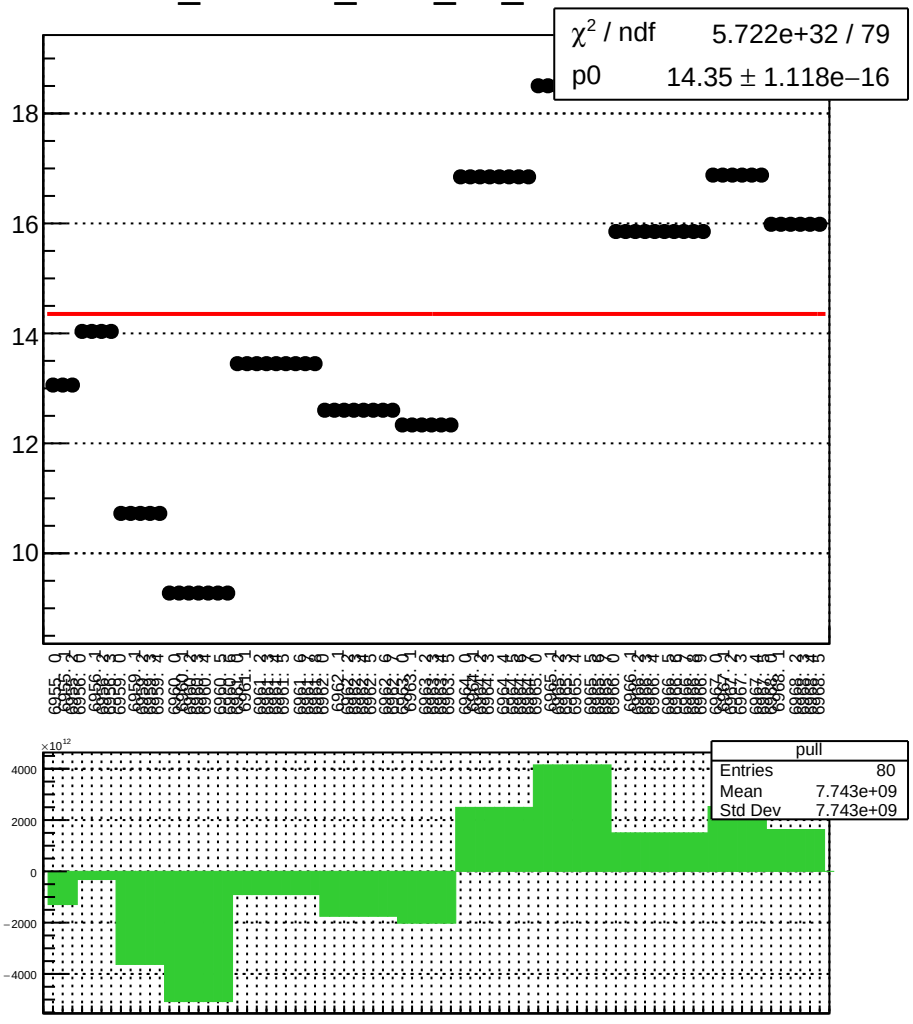
dit_4eX_coil7_Ndata_mean vs run

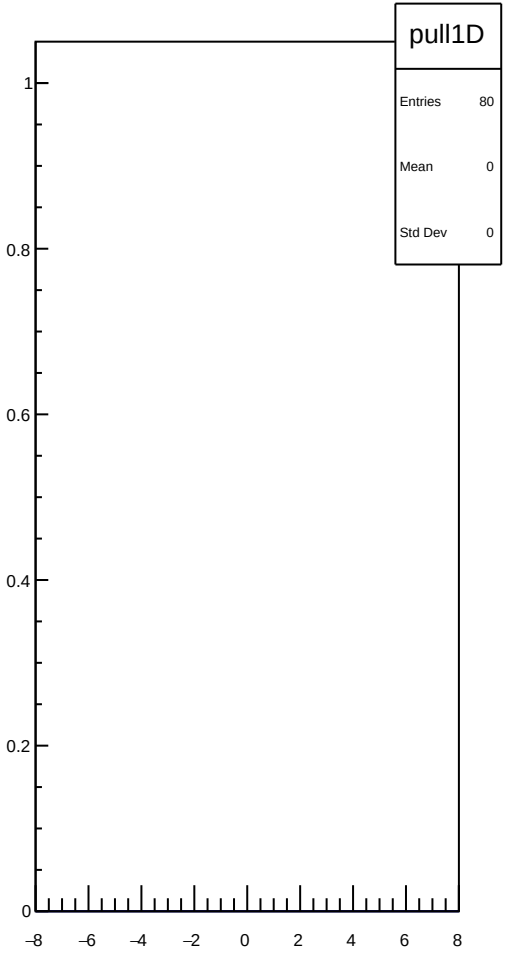


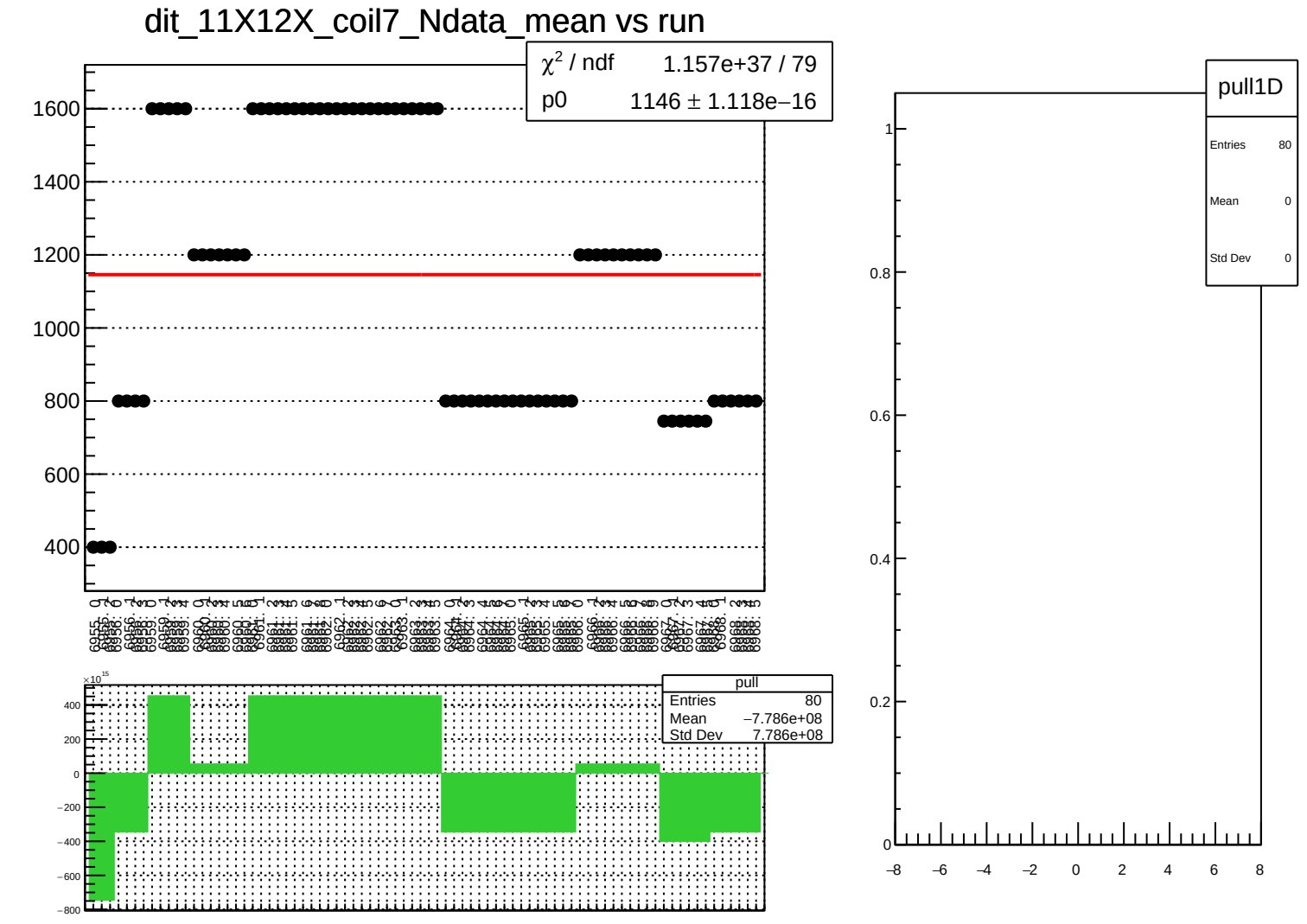


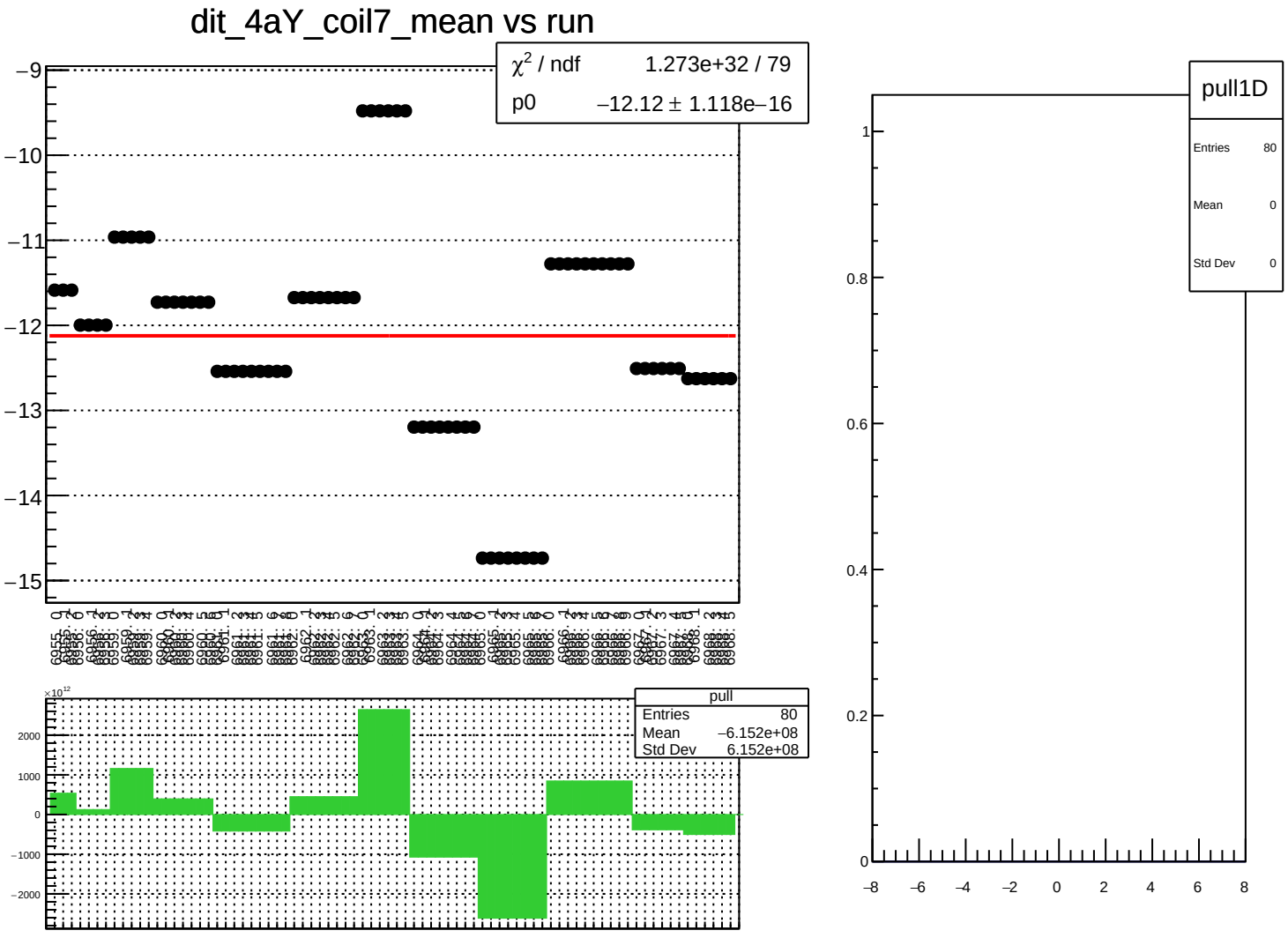

dit_11X12X_coil7_mean vs run
χ² / ndf 8.253e+34 / 79
p0 −467.1 ± 1.118e−16
−360
−380
−400
−420
−440
−460
−480
pull
Entries 80
Mean −1.144e+08
Std Dev 1.144e+08
×10¹⁵
100
80
60
40
20
0
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil7_err_mean vs run

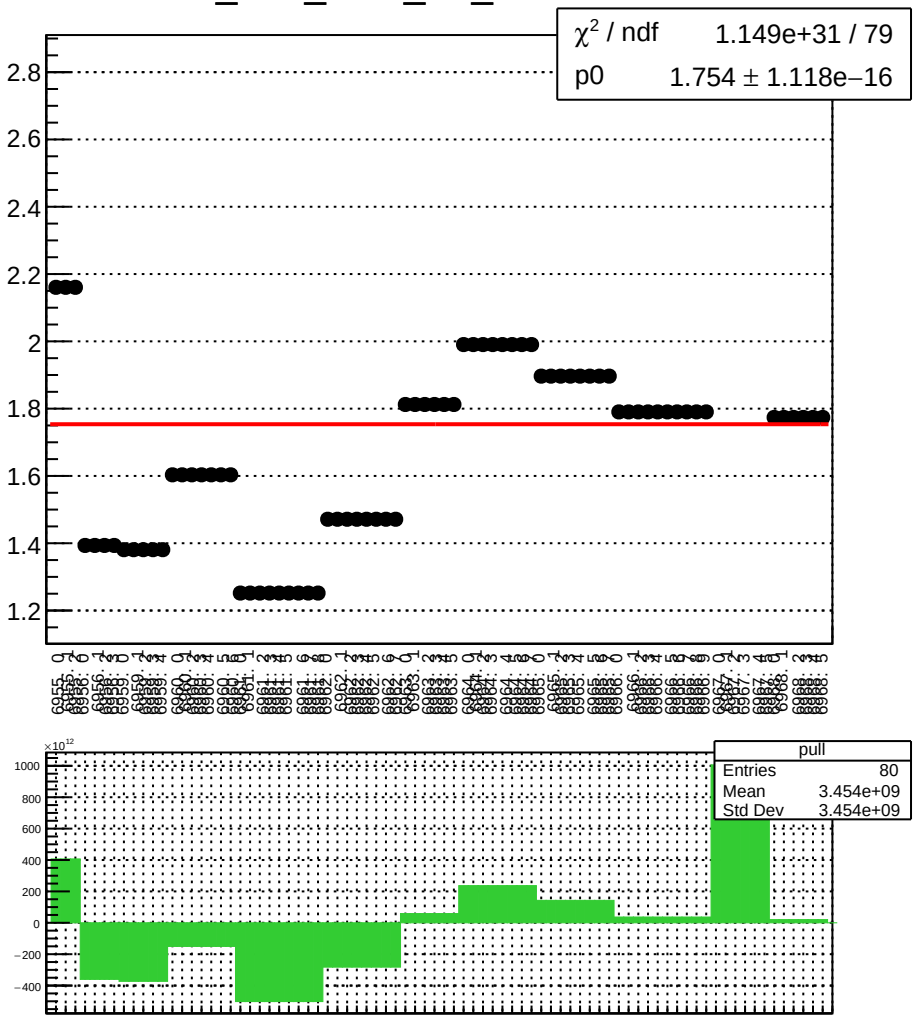


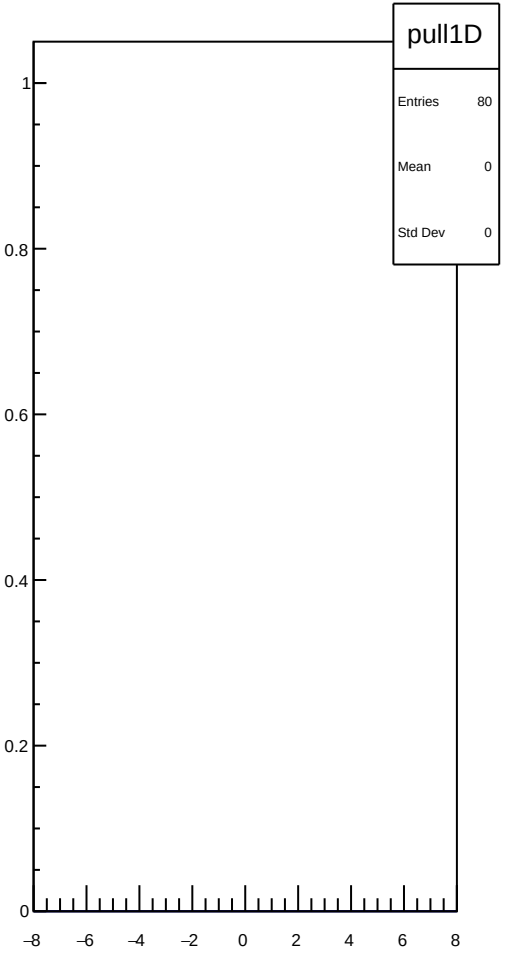


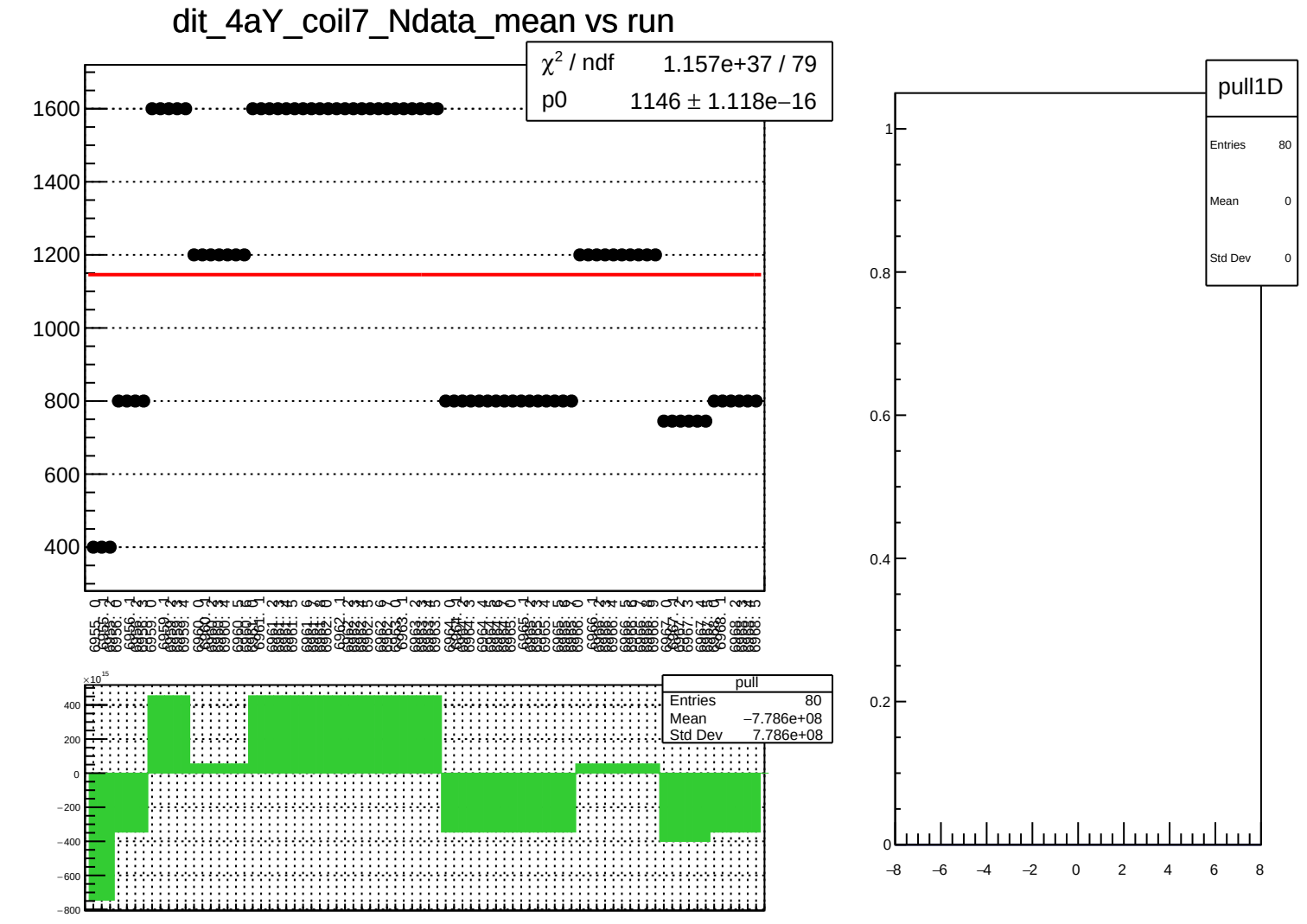

dit_11X12X_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

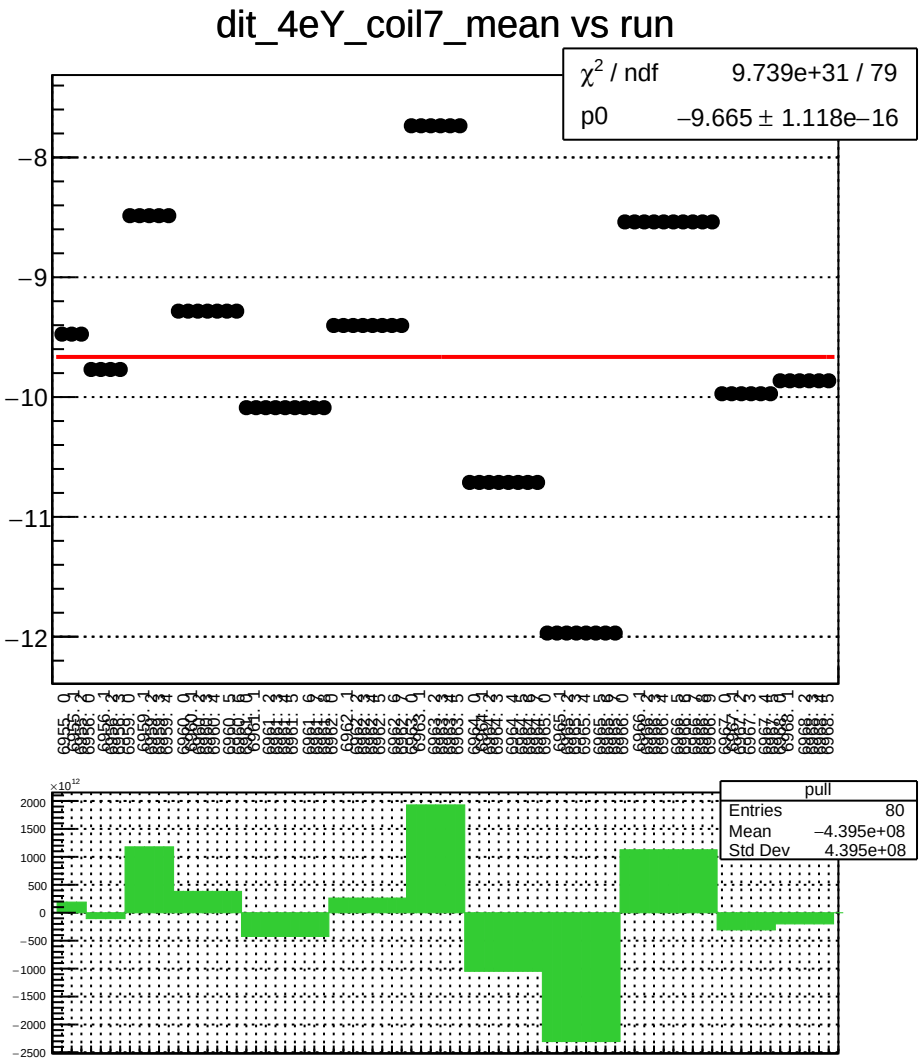

dit_4aY_coil7_mean vs run
χ² / ndf 1.273e+32 / 79
p0 −12.12 ± 1.118e−16
pull
Entries 80
Mean −6.152e+08
Std Dev 6.152e+08
pull1D
Entries 80
Mean 0
Std Dev 0

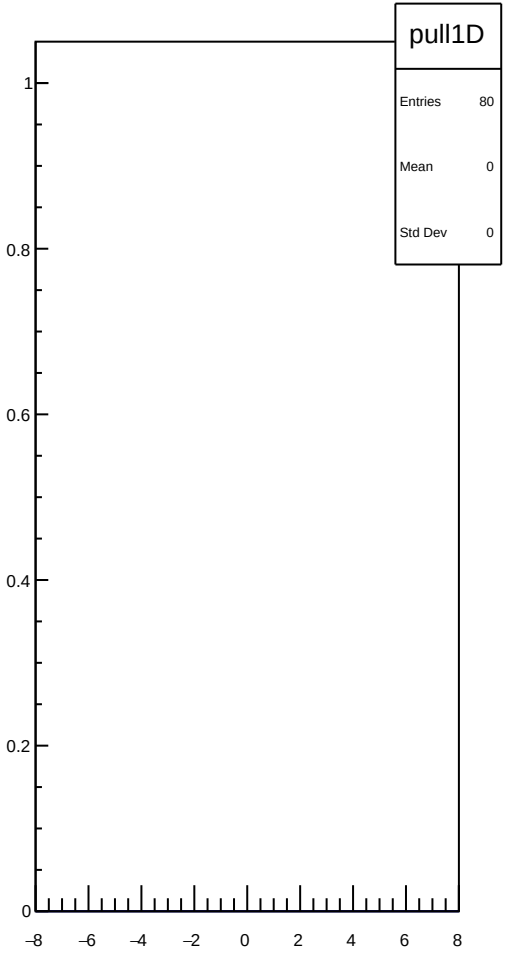
dit_4aY_coil7_err_mean vs run



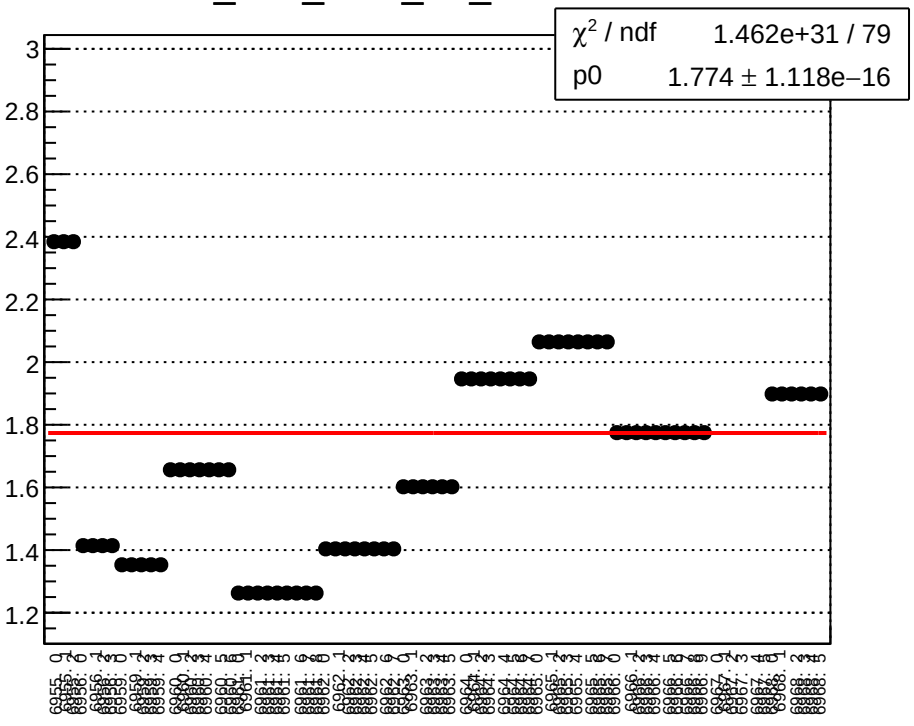


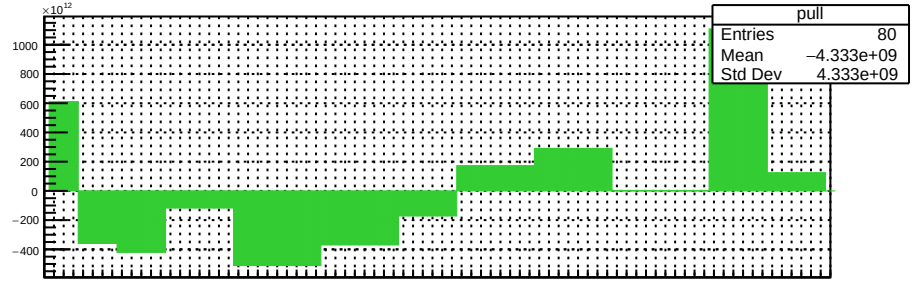

dit_4aY_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

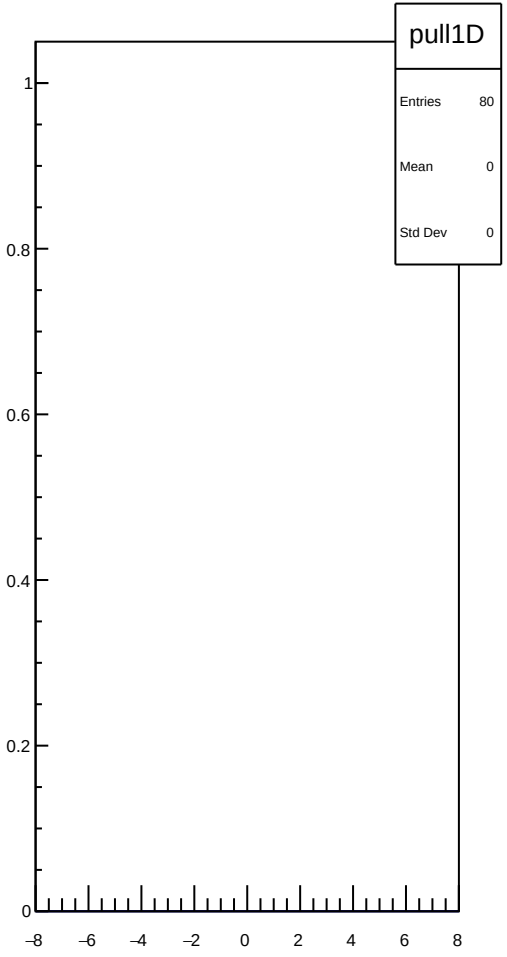

dit_4eY_coil7_mean vs run
χ² / ndf 9.739e+31 / 79
p0 −9.665 ± 1.118e−16
−8
−9
−10
−11
−12
pull
Entries 80
Mean −4.395e+08
Std Dev 4.395e+08
×10¹²
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

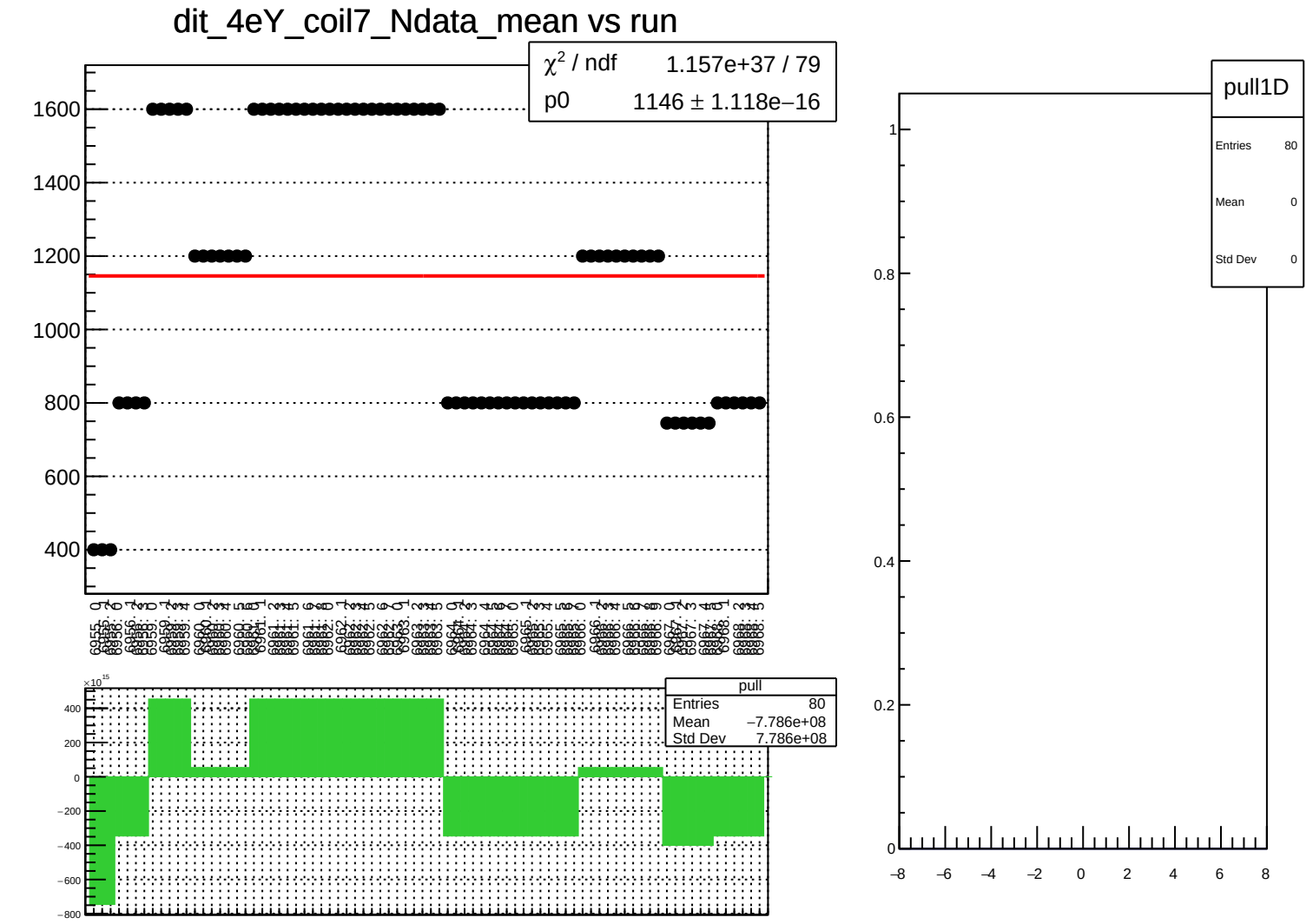

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

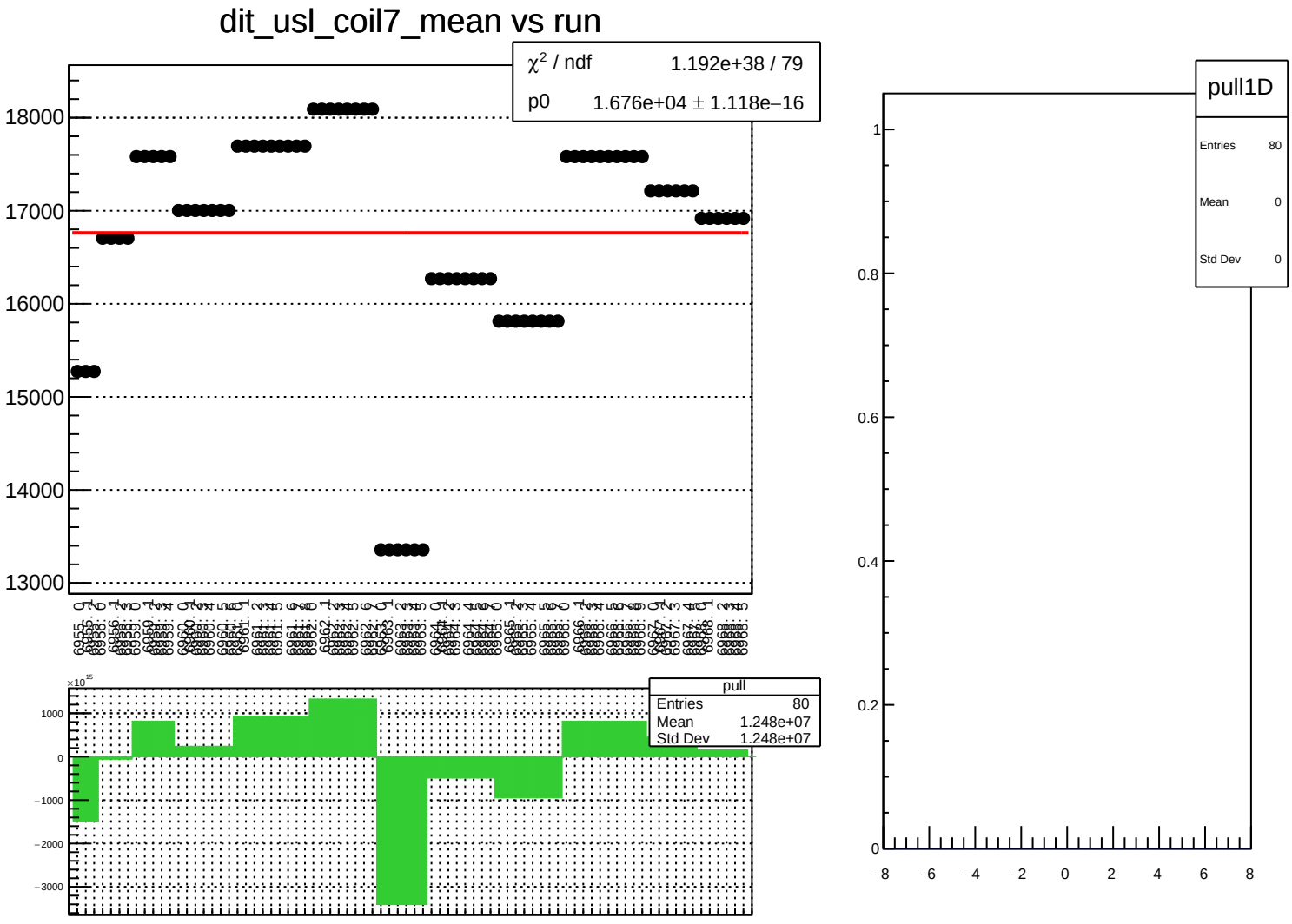
dit_4eY_coil7_err_mean vs run

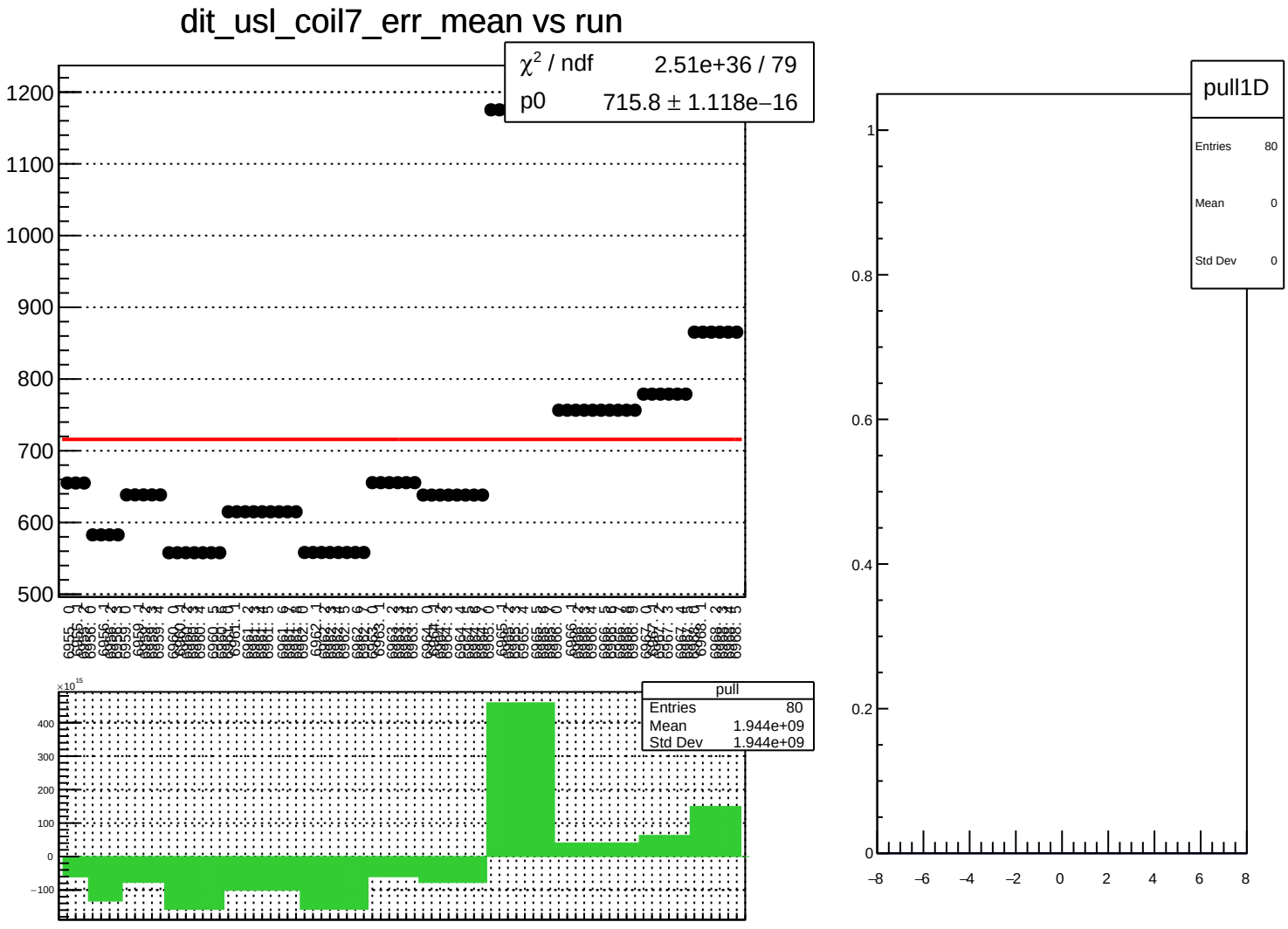


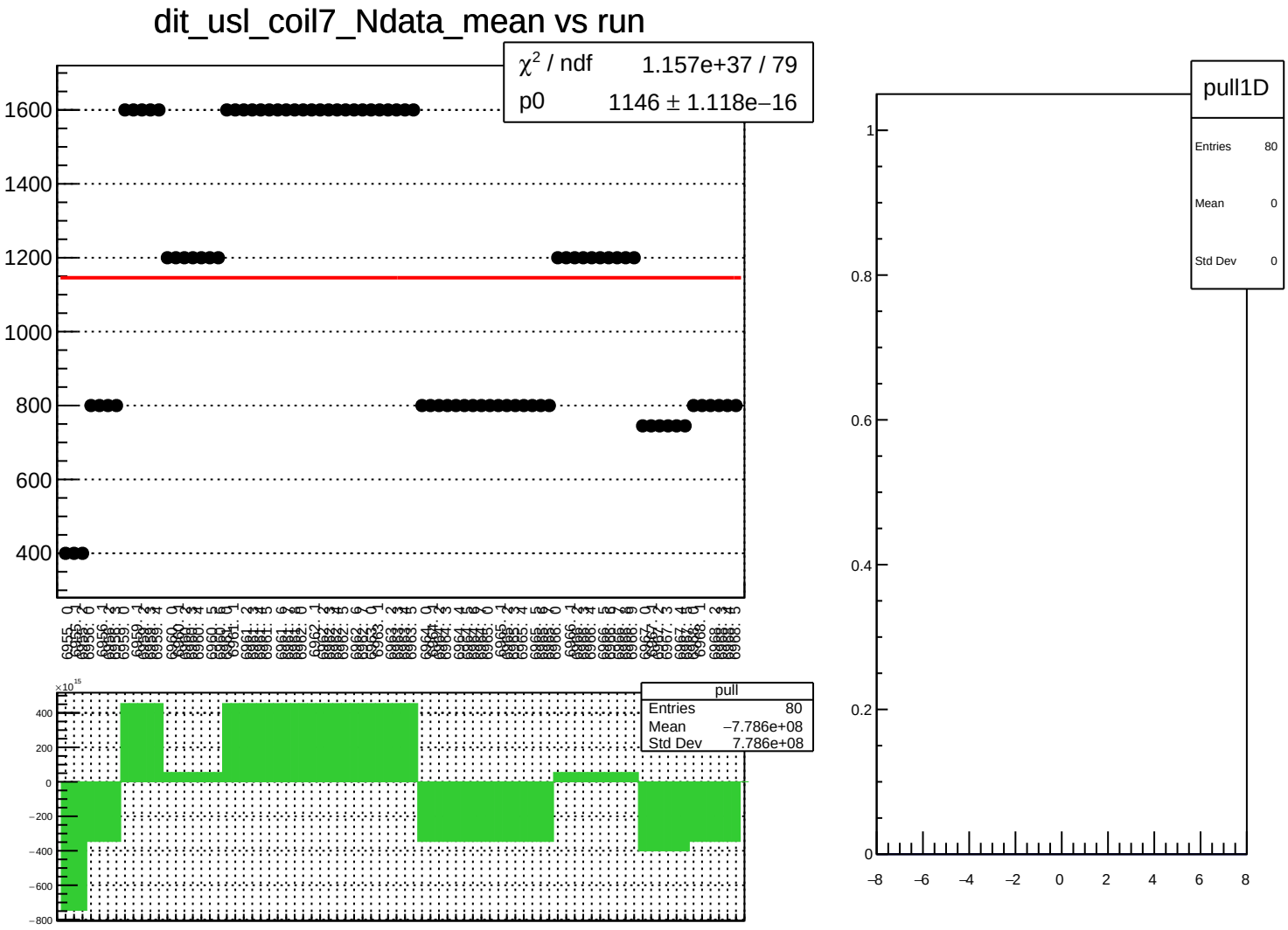


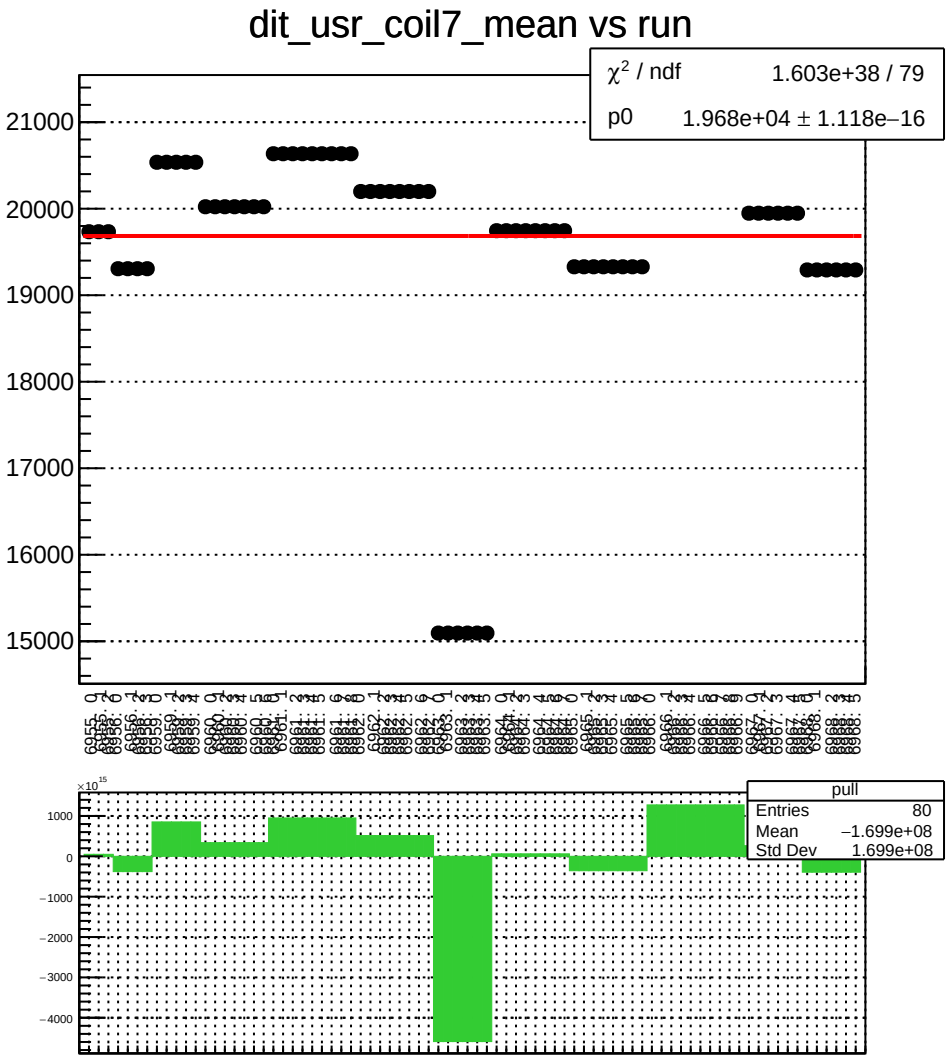


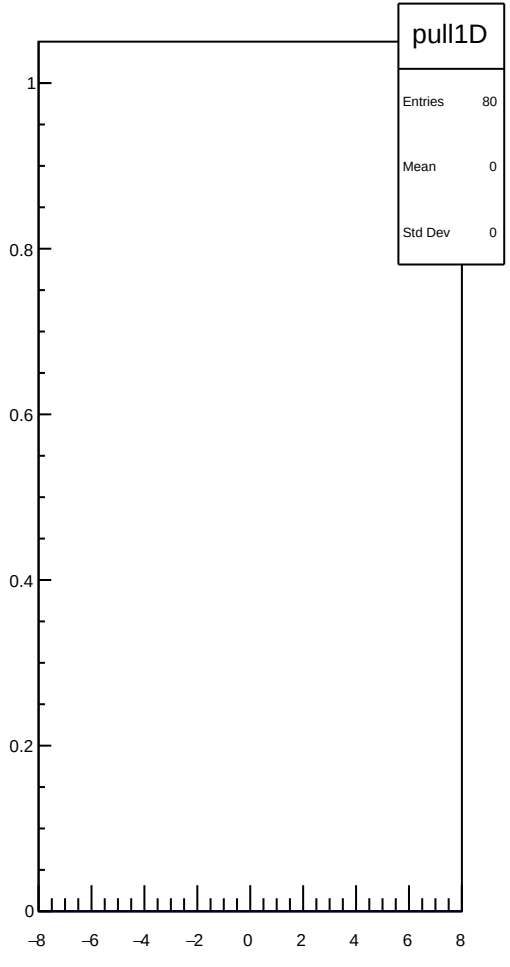

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

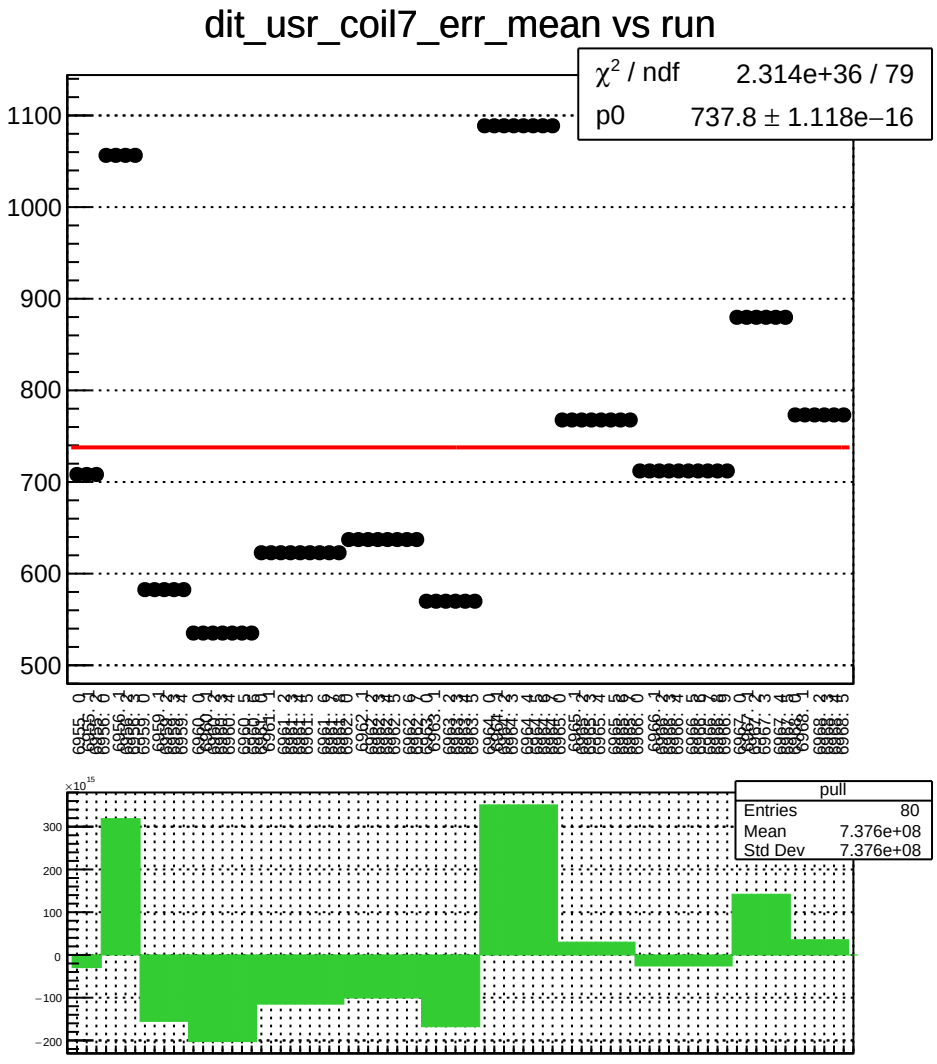

dit_usl_coil7_mean vs run
χ² / ndf 1.192e+38 / 79
p0 1.676e+04 ± 1.118e−16
18000
17000
16000
15000
14000
13000
pull
Entries 80
Mean 1.248e+07
Std Dev 1.248e+07
×10¹⁵
1000
0
−1000
−2000
−3000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

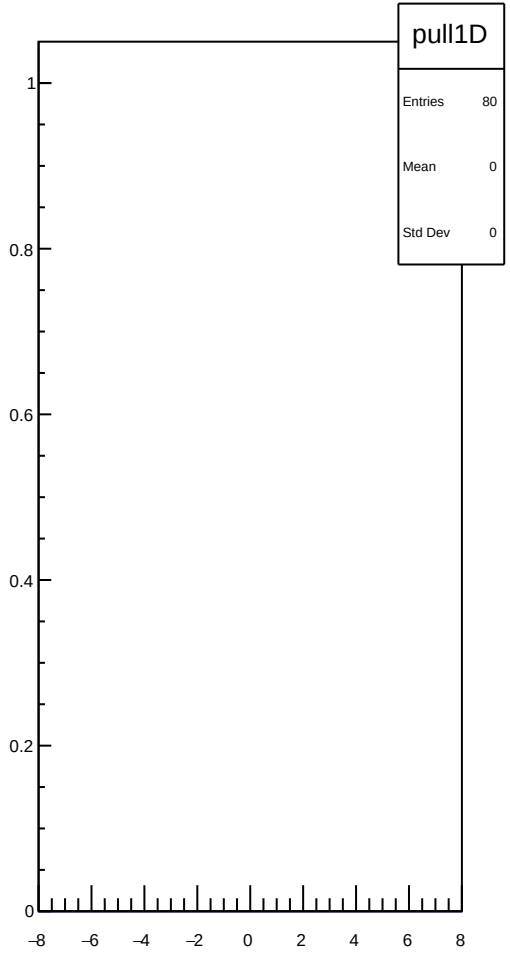

dit_usl_coil7_err_mean vs run
χ² / ndf 2.51e+36 / 79
p0 715.8 ± 1.118e−16
pull
Entries 80
Mean 1.944e+09
Std Dev 1.944e+09
pull1D
Entries 80
Mean 0
Std Dev 0

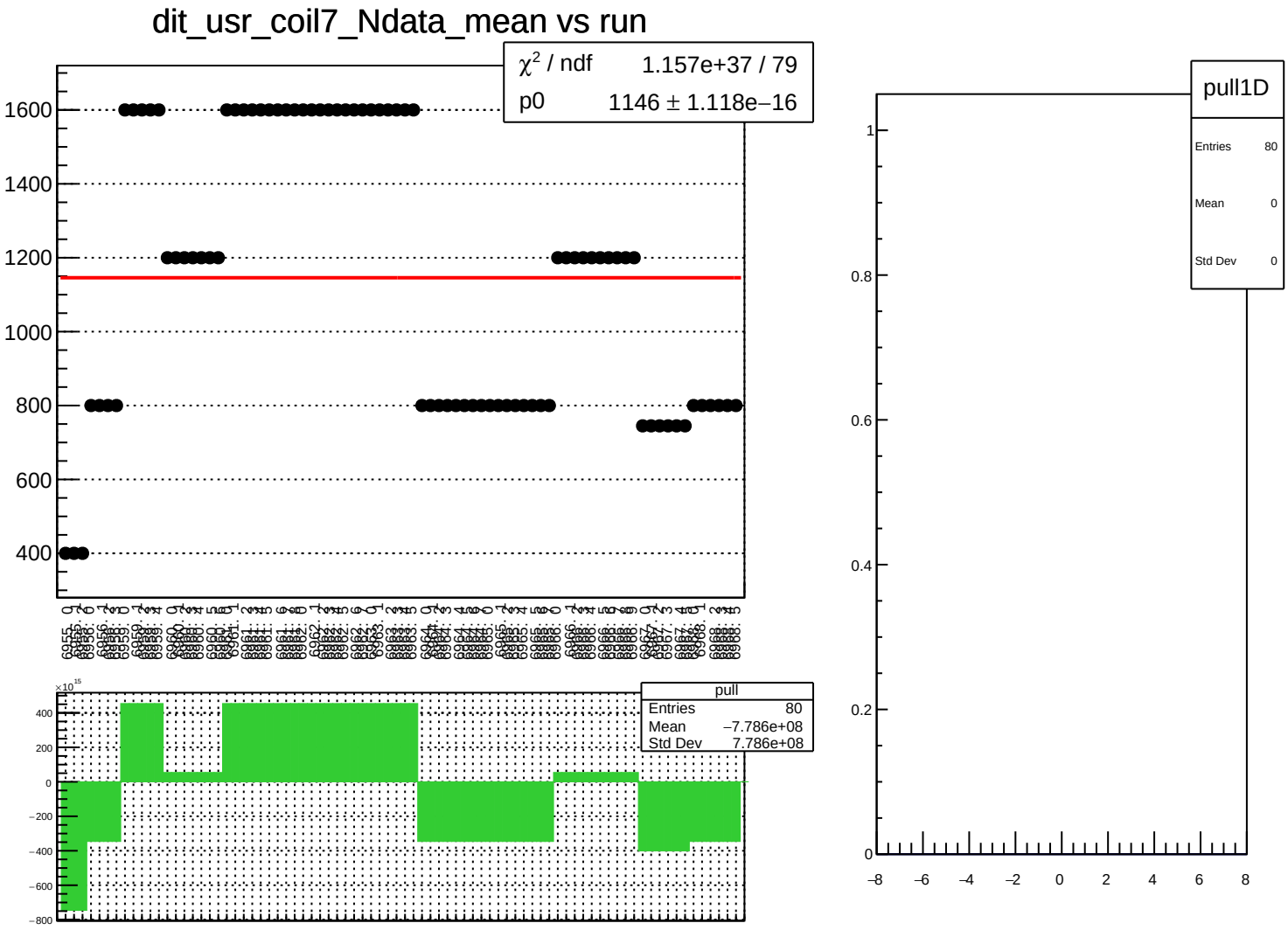

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

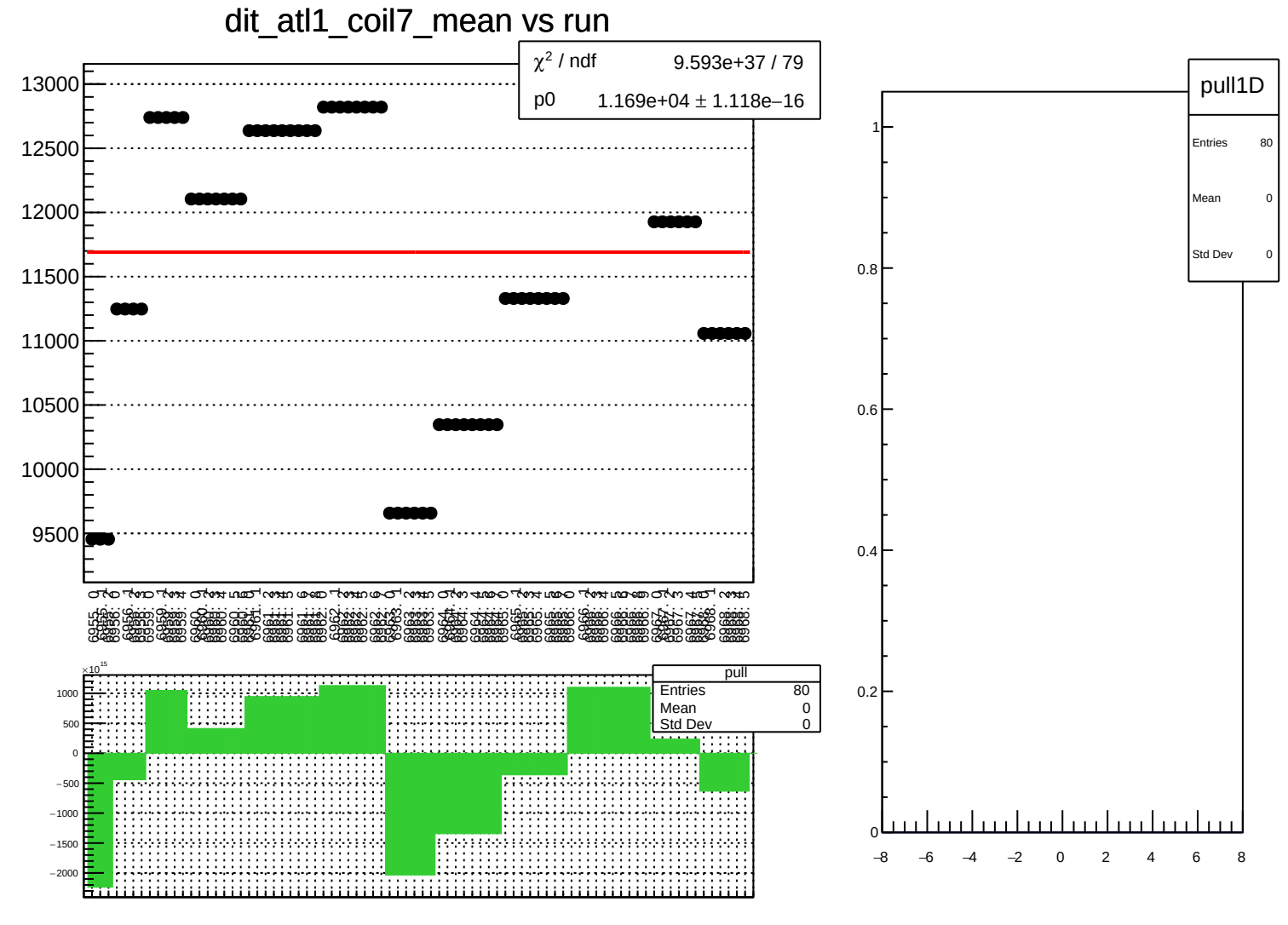

dit_usr_coil7_mean vs run
χ² / ndf 1.603e+38 / 79
p0 1.968e+04 ± 1.118e−16
21000
20000
19000
18000
17000
16000
15000
pull
Entries 80
Mean −1.699e+08
Std Dev 1.699e+08
×10¹⁵
1000
0
−1000
−2000
−3000
−4000

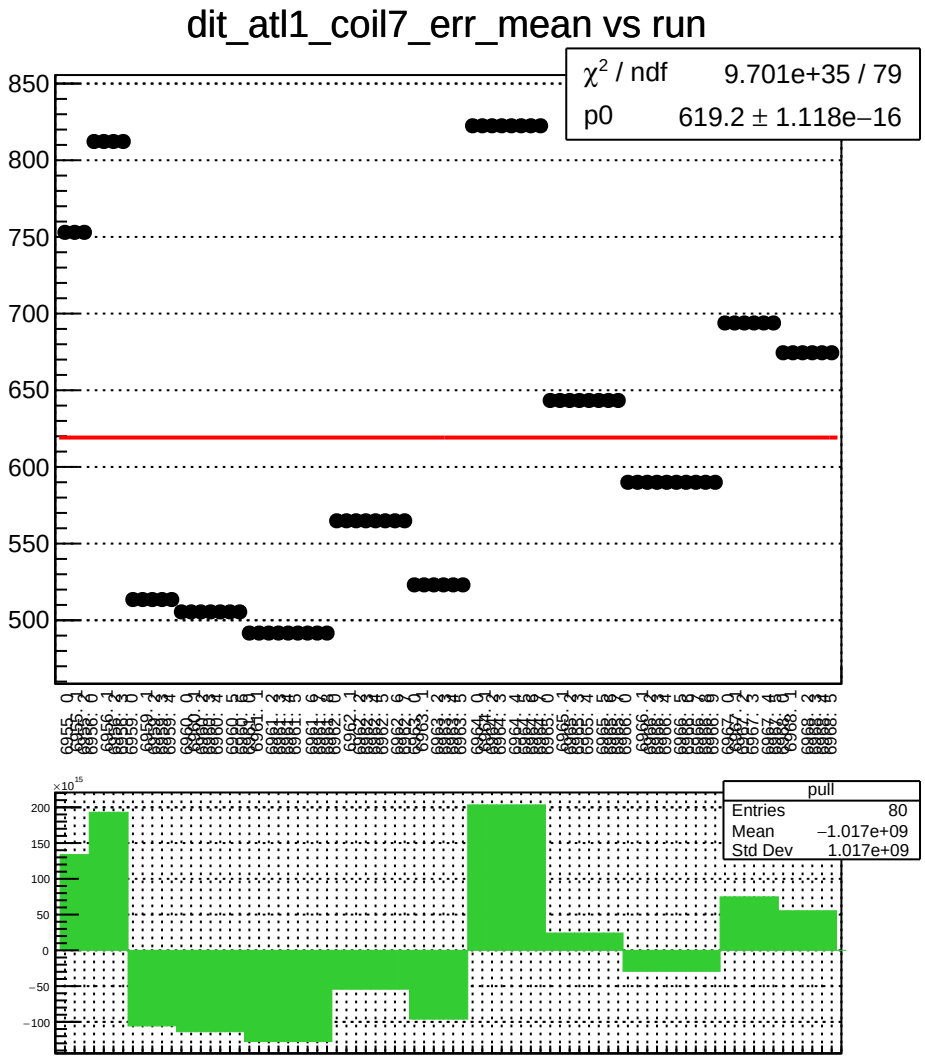

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

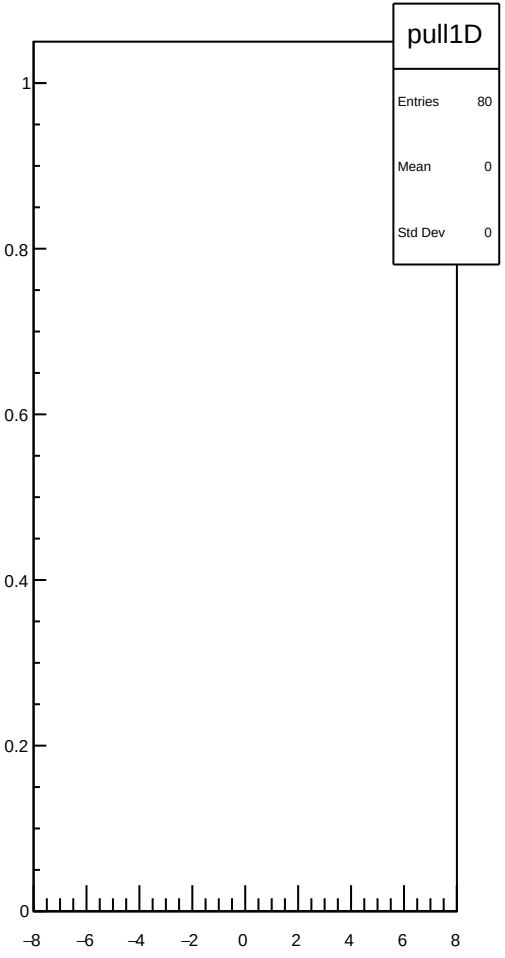

dit_usr_coil7_err_mean vs run
χ² / ndf 2.314e+36 / 79
p0 737.8 ± 1.118e−16
1100
1000
900
800
700
600
500
pull
Entries 80
Mean 7.376e+08
Std Dev 7.376e+08
×10¹⁵
300
200
100
0
−100
−200

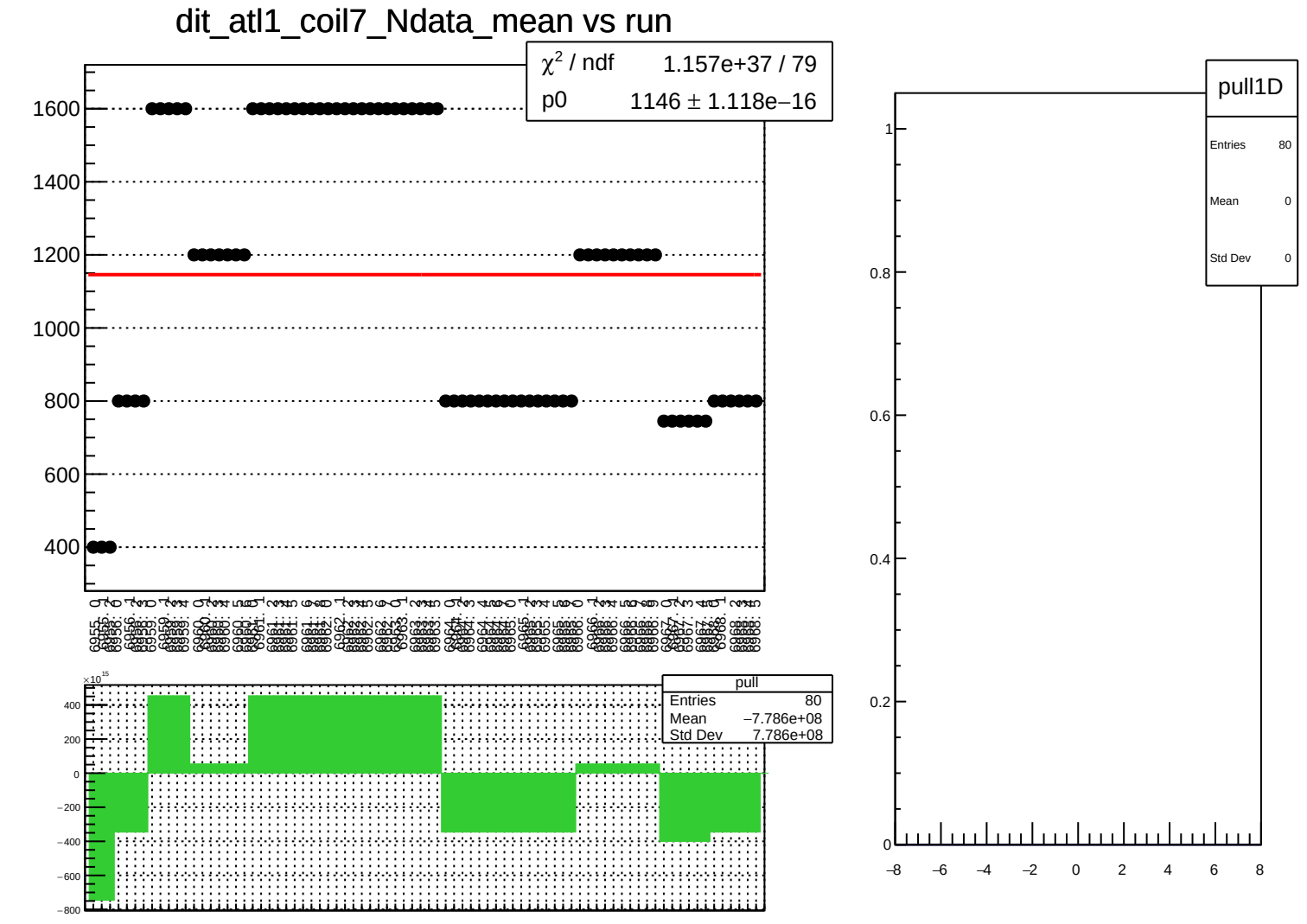

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

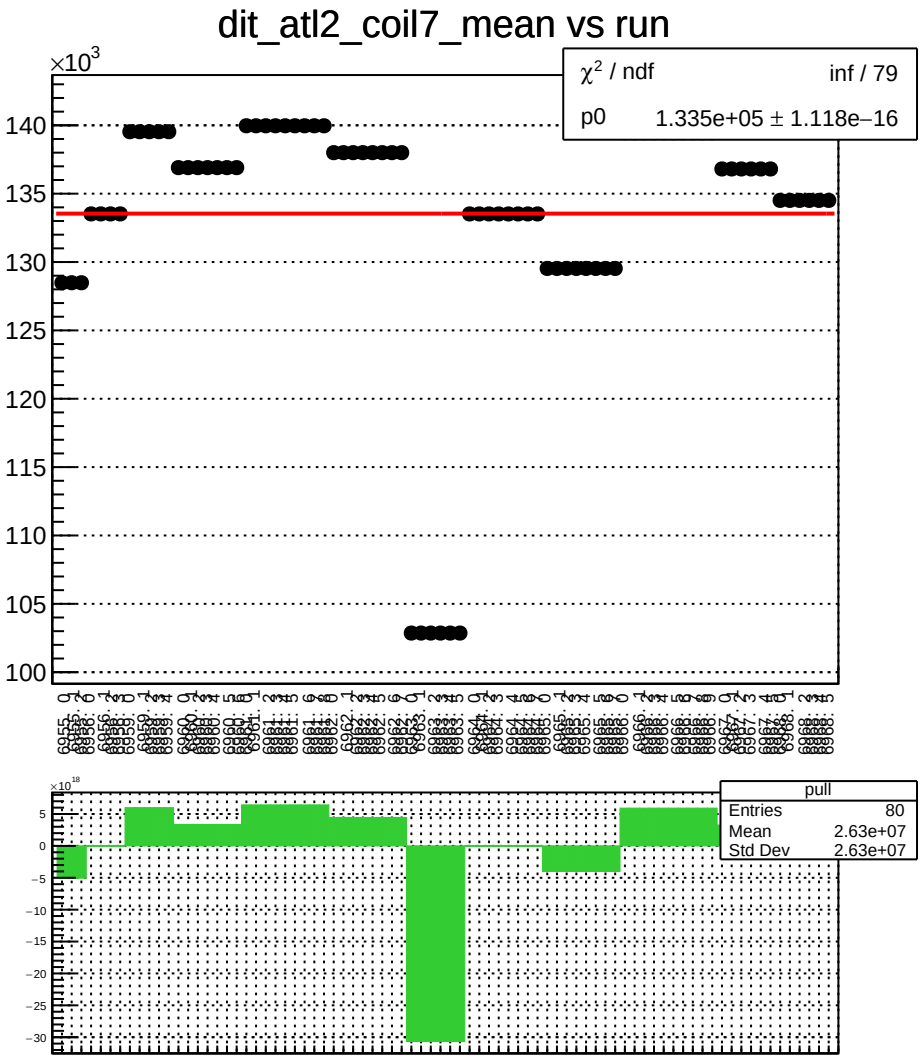

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

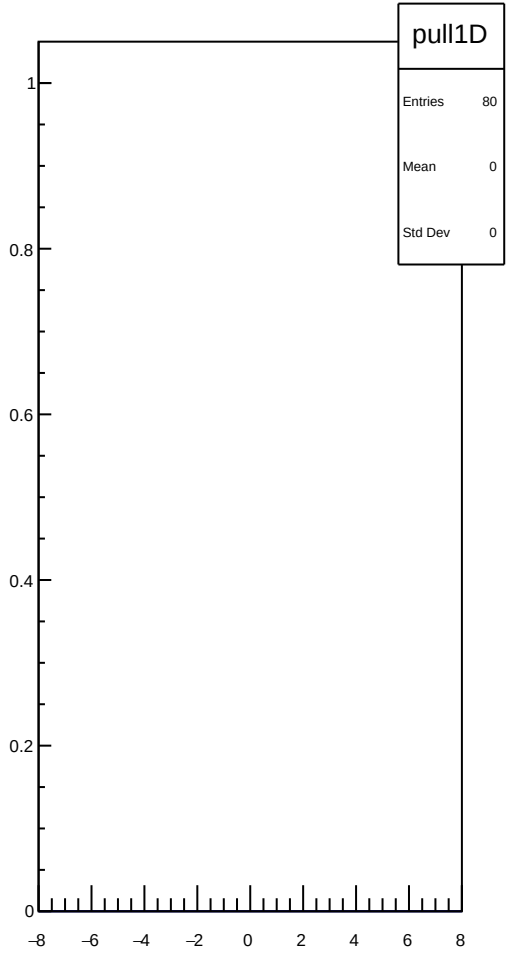

dit_atl1_coil7_mean vs run
χ² / ndf 9.593e+37 / 79
p0 1.169e+04 ± 1.118e−16
13000
12500
12000
11500
11000
10500
10000
9500
pull
Entries 80
Mean 0
Std Dev 0
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

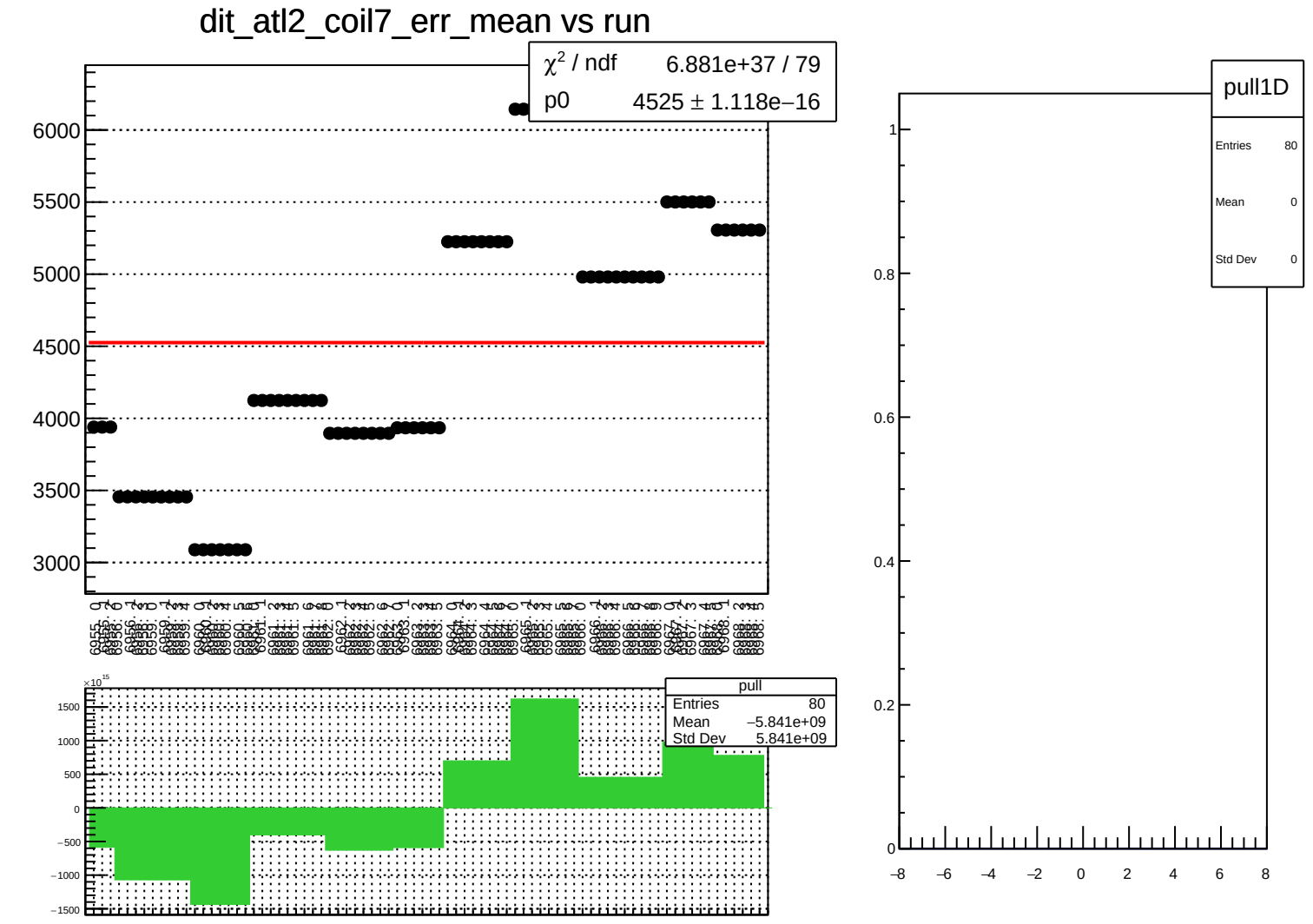

dit_atl1_coil7_err_mean vs run
χ^2 / ndf 9.701e+35 / 79
p0 619.2 ± 1.118e−16
850
800
750
700
650
600
550
500
pull
Entries 80
Mean −1.017e+09
Std Dev 1.017e+09
×10^15
200
150
100
50
0
−50
−100

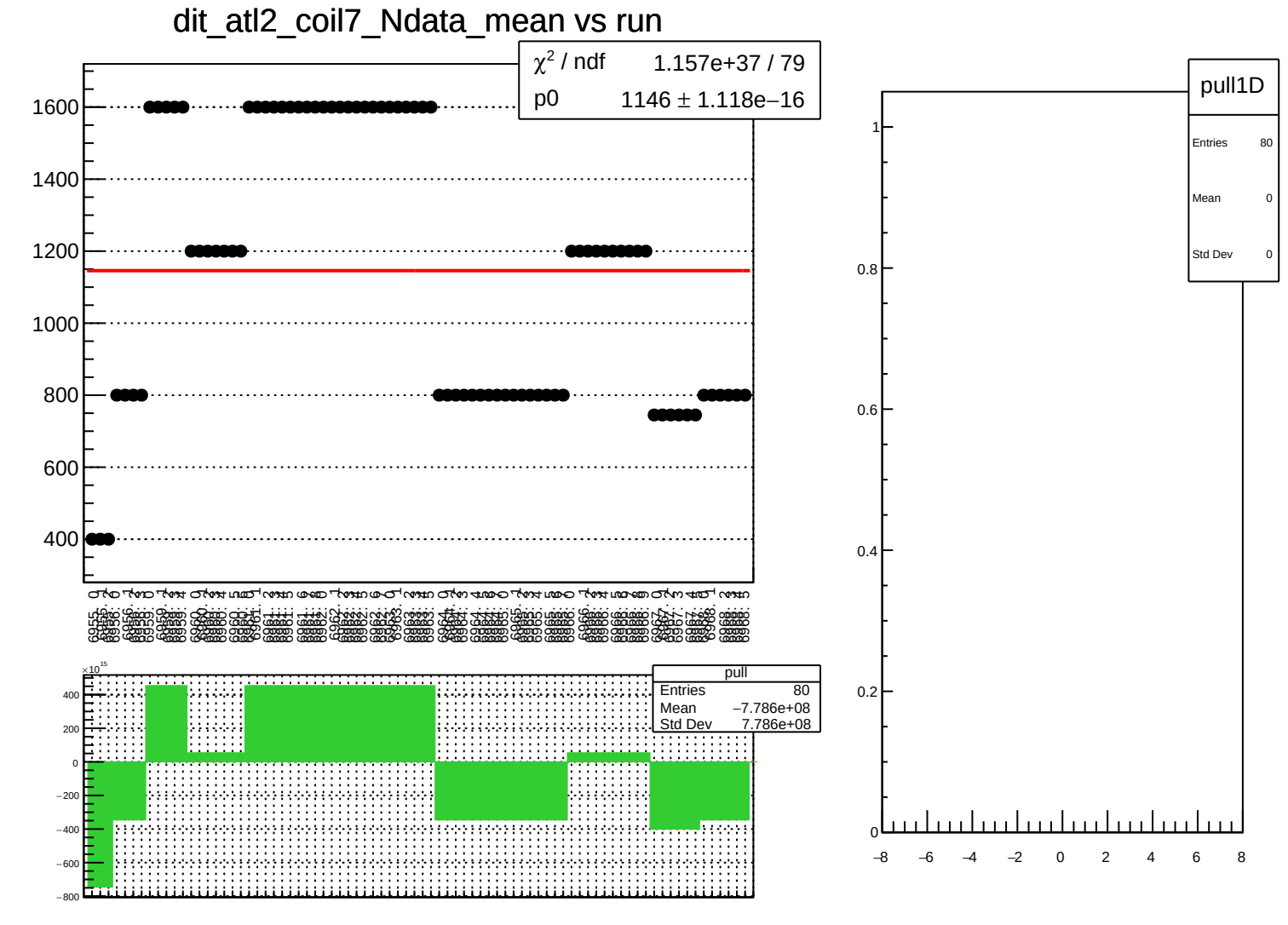

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

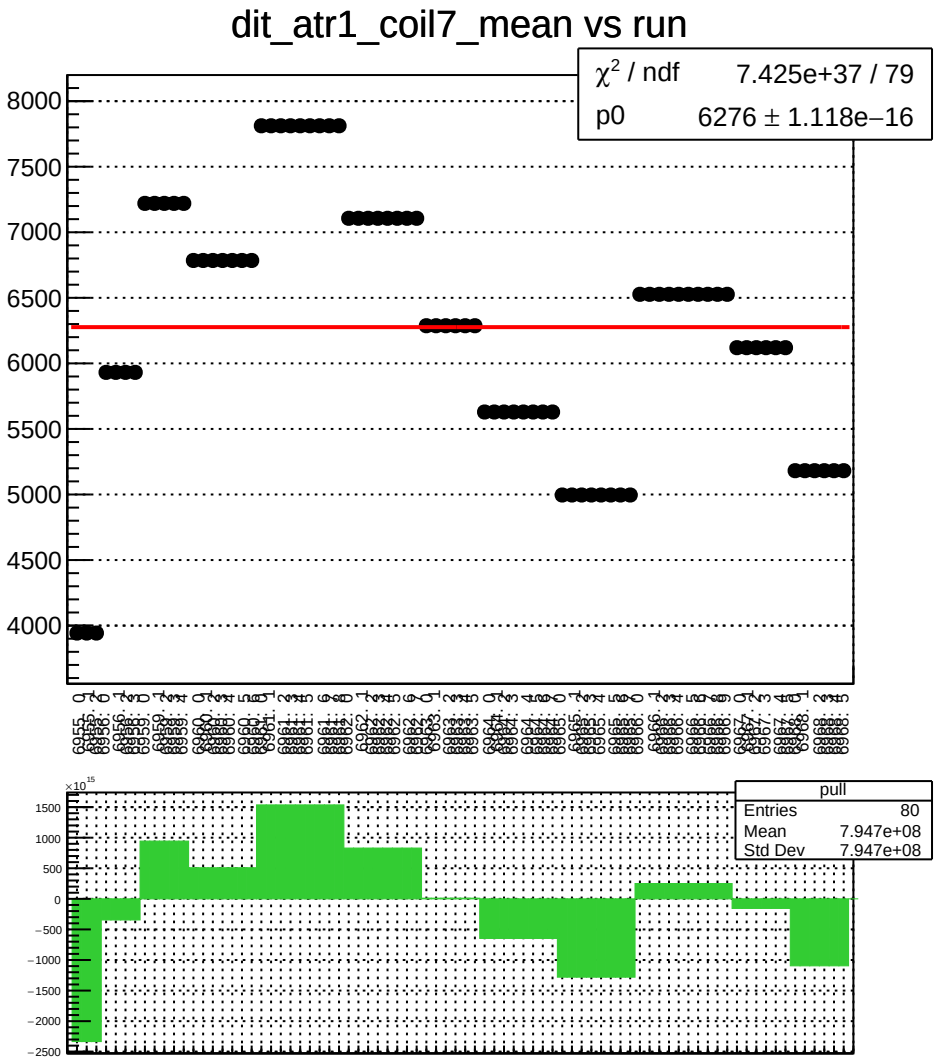

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

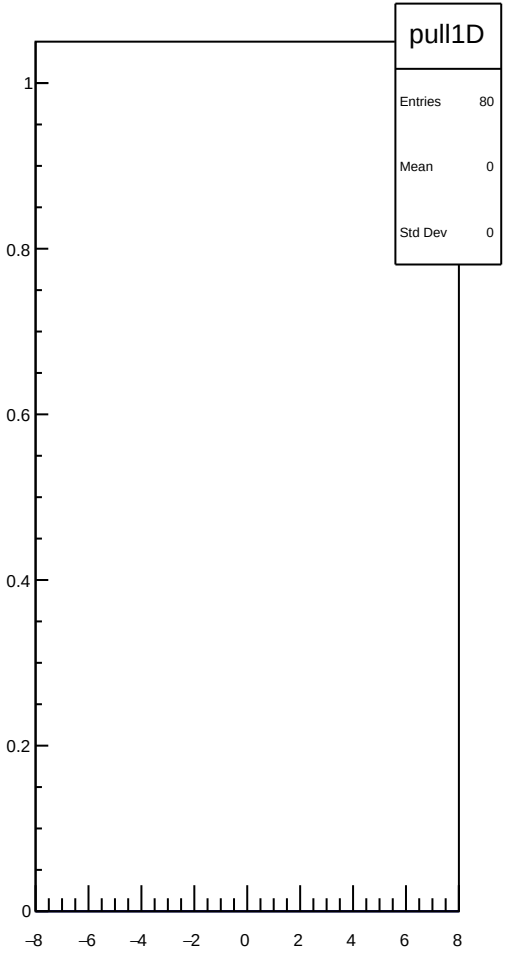

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 79
p0 1.335e+05 ± 1.118e−16
140
135
130
125
120
115
110
105
100
×10^18
pull
Entries 80
Mean 2.63e+07
Std Dev 2.63e+07
5
0
−5
−10
−15
−20
−25
−30

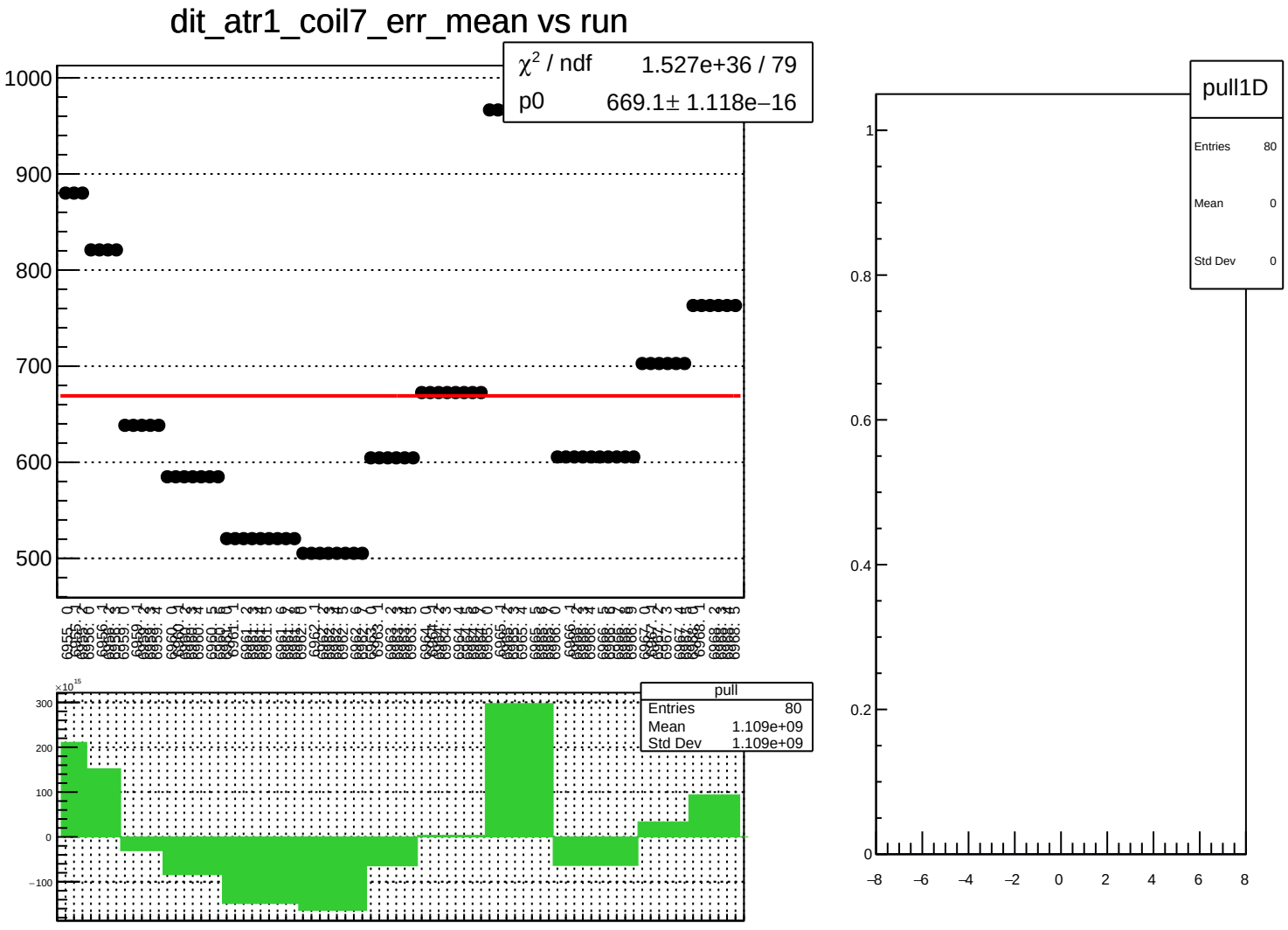

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

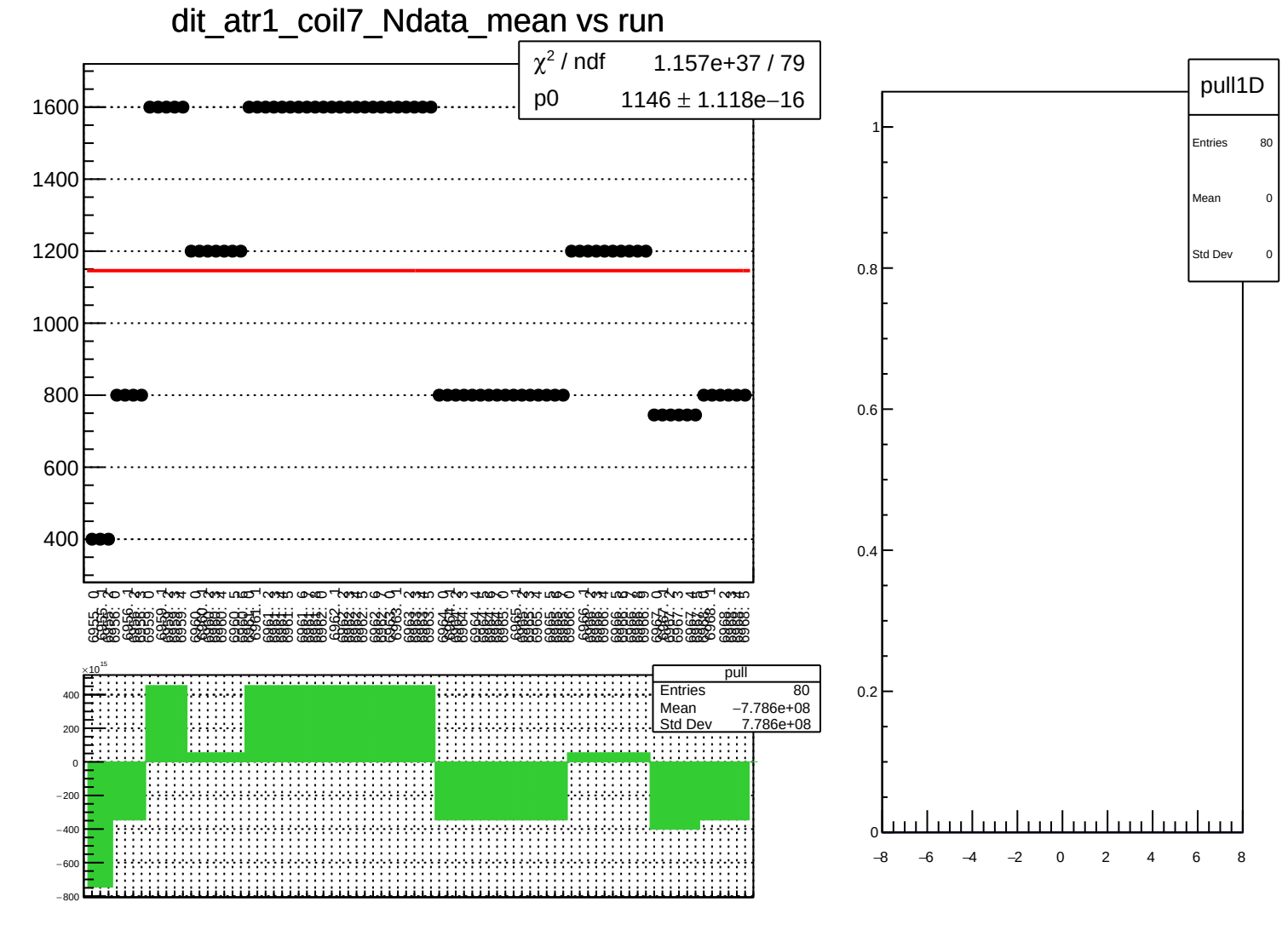

dit_atl2_coil7_err_mean vs run
χ² / ndf 6.881e+37 / 79
p0 4525 ± 1.118e−16
6000
5500
5000
4500
4000
3500
3000
pull
Entries 80
Mean −5.841e+09
Std Dev 5.841e+09
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

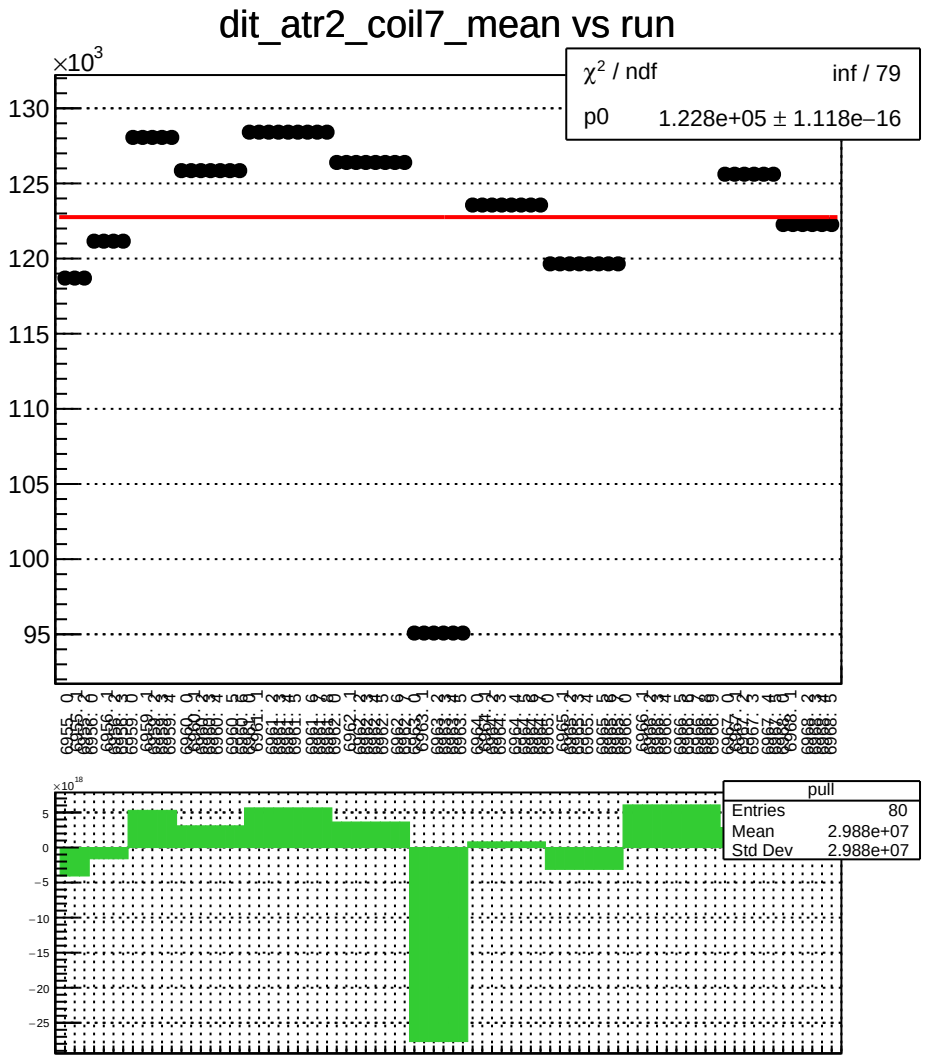

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

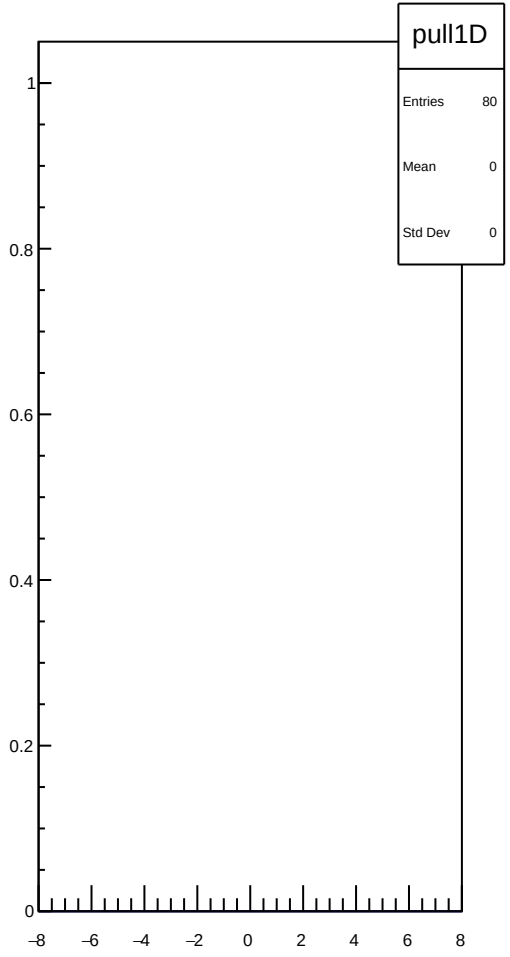

dit_atr1_coil7_mean vs run
χ² / ndf 7.425e+37 / 79
p0 6276 ± 1.118e−16
8000
7500
7000
6500
6000
5500
5000
4500
4000
pull
Entries 80
Mean 7.947e+08
Std Dev 7.947e+08
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

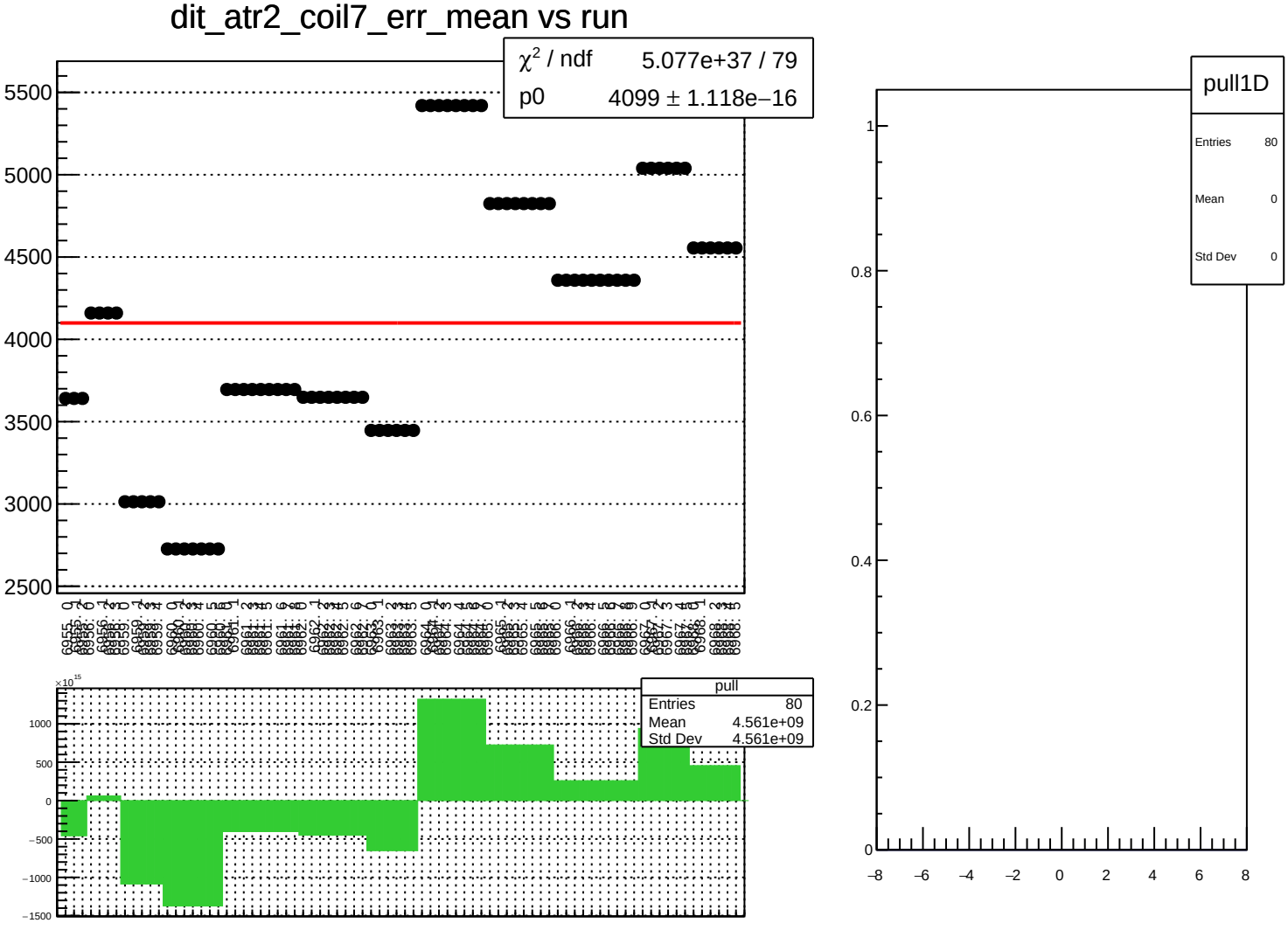

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

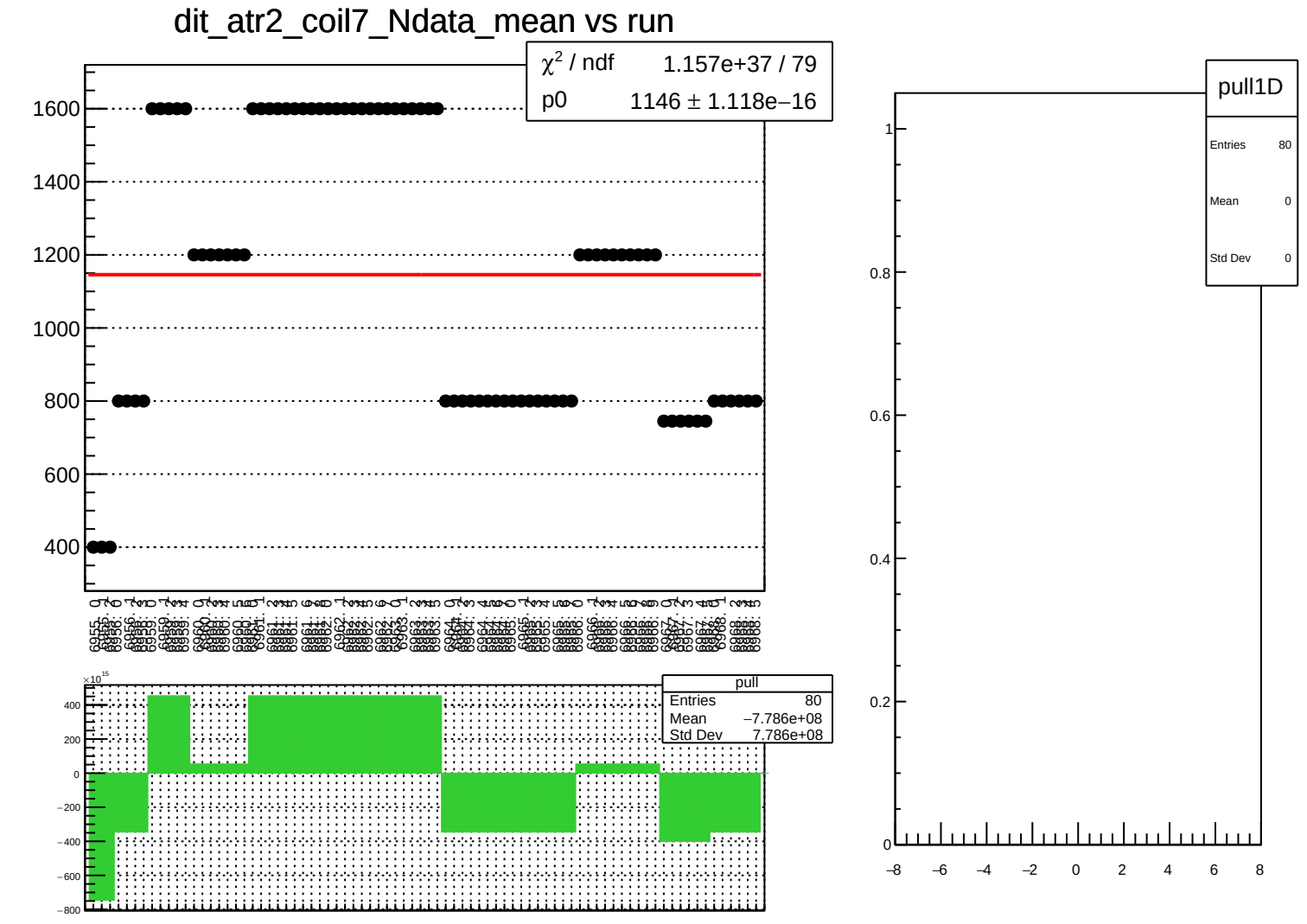

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.527e+36 / 79
p0 669.1± 1.118e−16
1000
900
800
700
600
500
pull
Entries 80
Mean 1.109e+09
Std Dev 1.109e+09
×10¹⁵
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

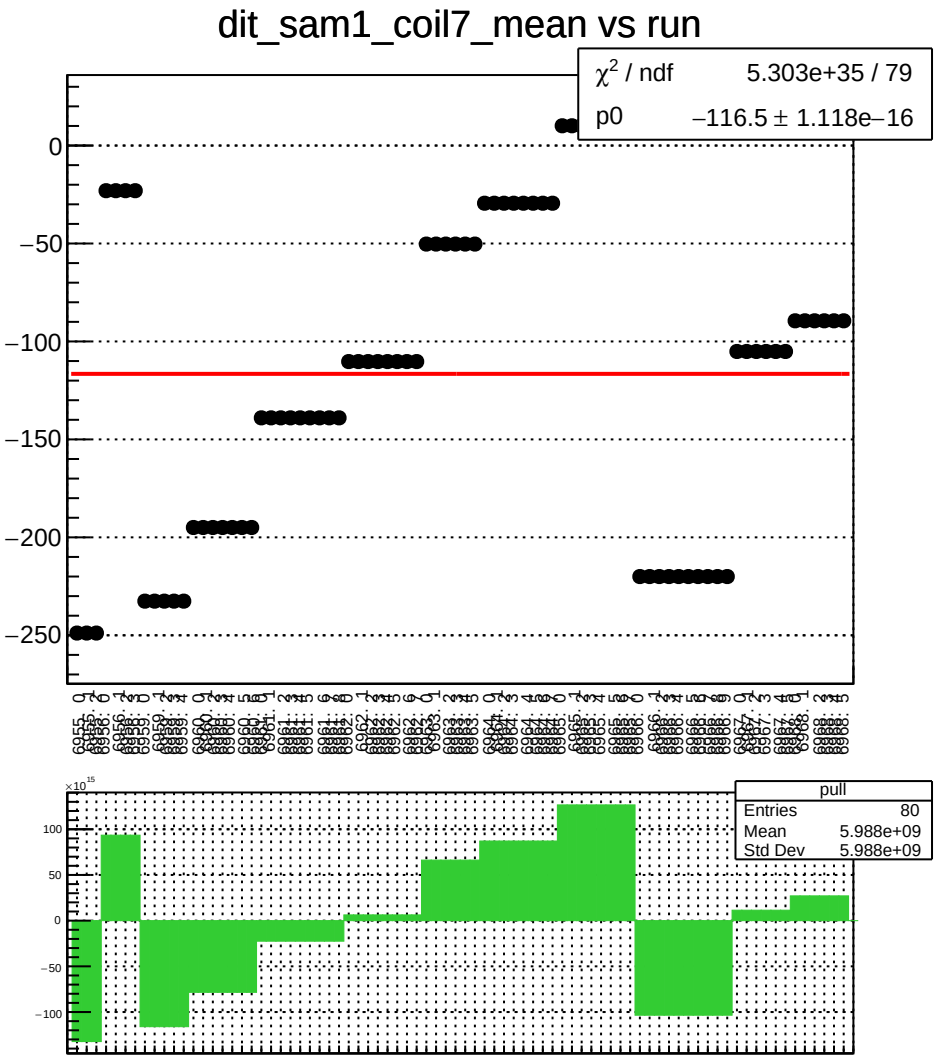

dit_atr1_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

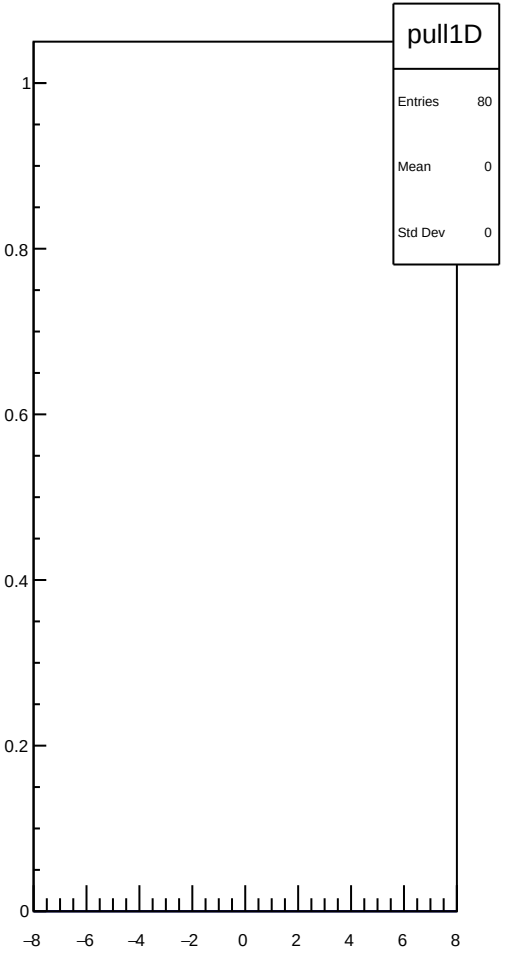

dit_atr2_coil7_mean vs run
×10^3
130
125
120
115
110
105
100
95
χ² / ndf inf / 79
p0 1.228e+05 ± 1.118e−16
×10^18
5
0
−5
−10
−15
−20
−25
pull
Entries 80
Mean 2.988e+07
Std Dev 2.988e+07

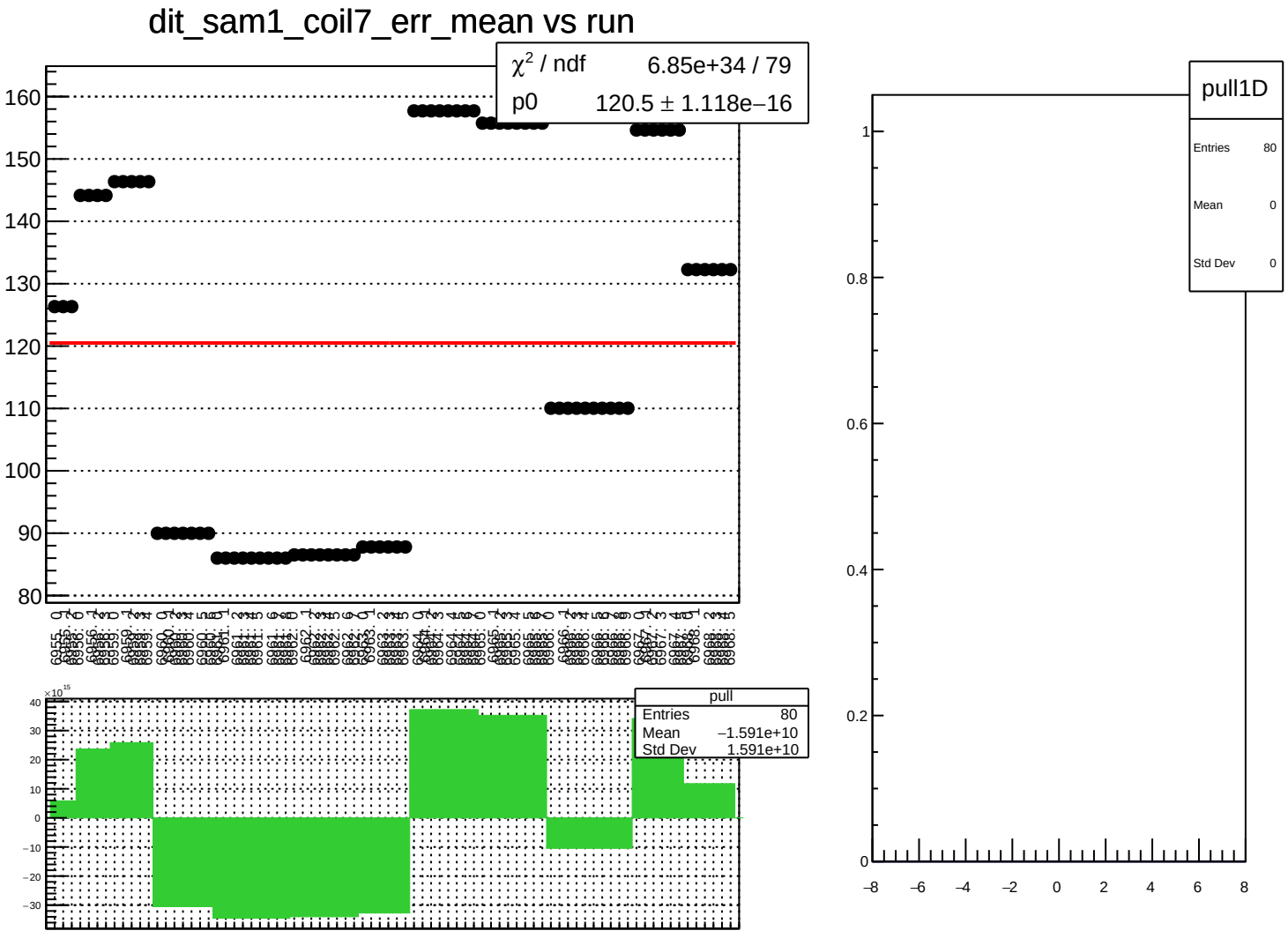

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

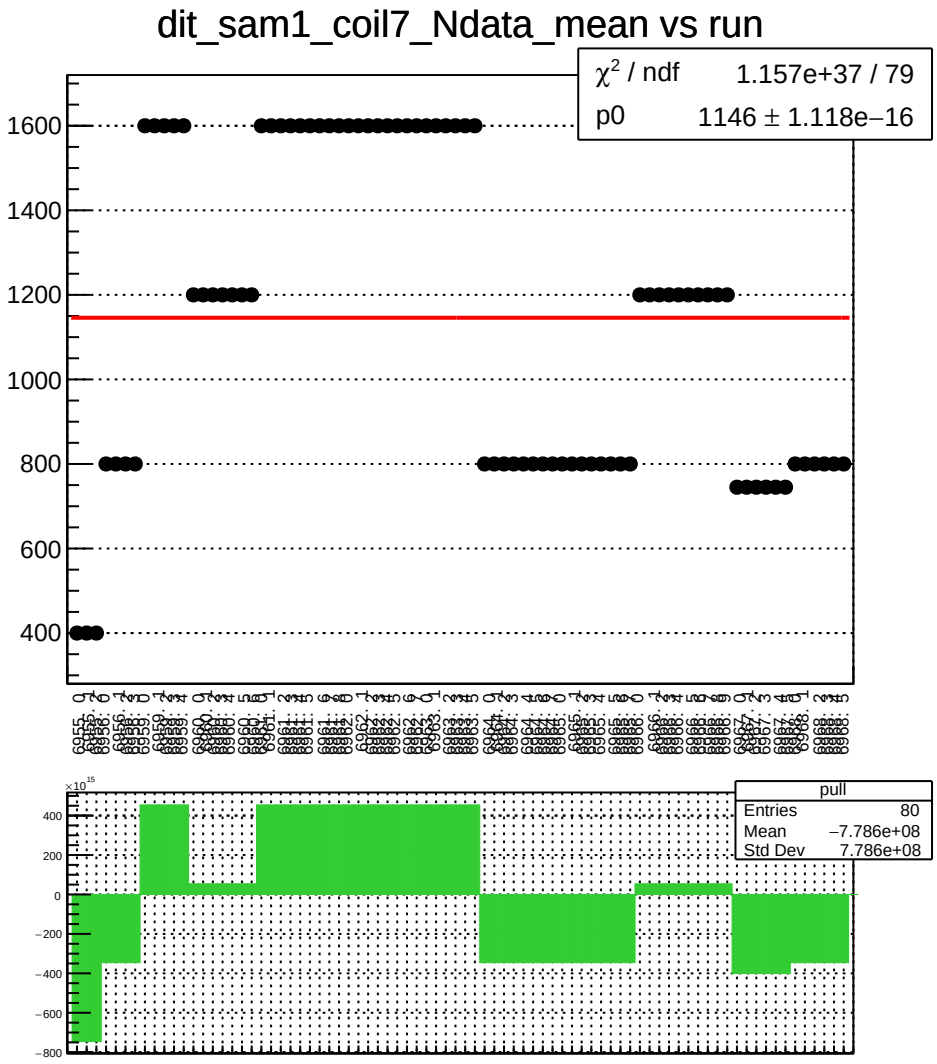

dit_atr2_coil7_err_mean vs run
χ^2 / ndf 5.077e+37 / 79
p0 4099 ± 1.118e−16
5500
5000
4500
4000
3500
3000
2500
pull
Entries 80
Mean 4.561e+09
Std Dev 4.561e+09
×10^15
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

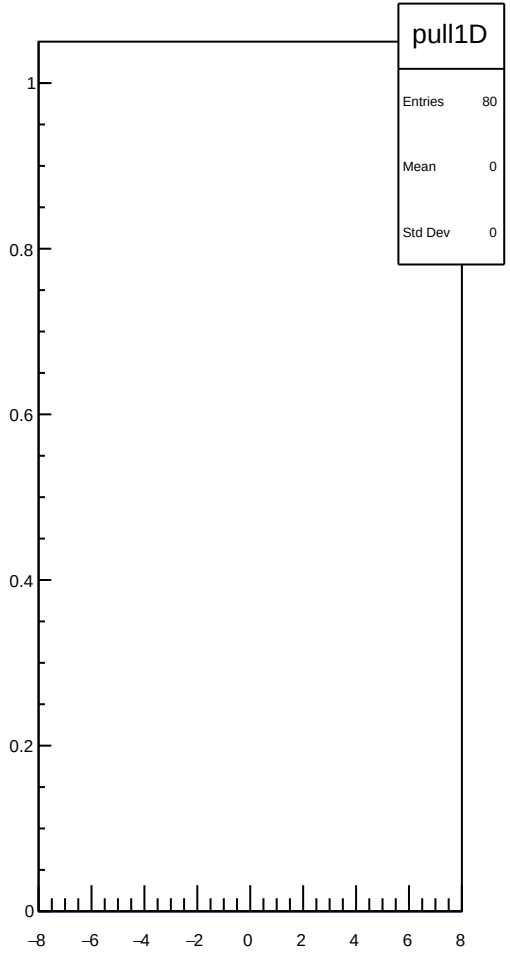

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

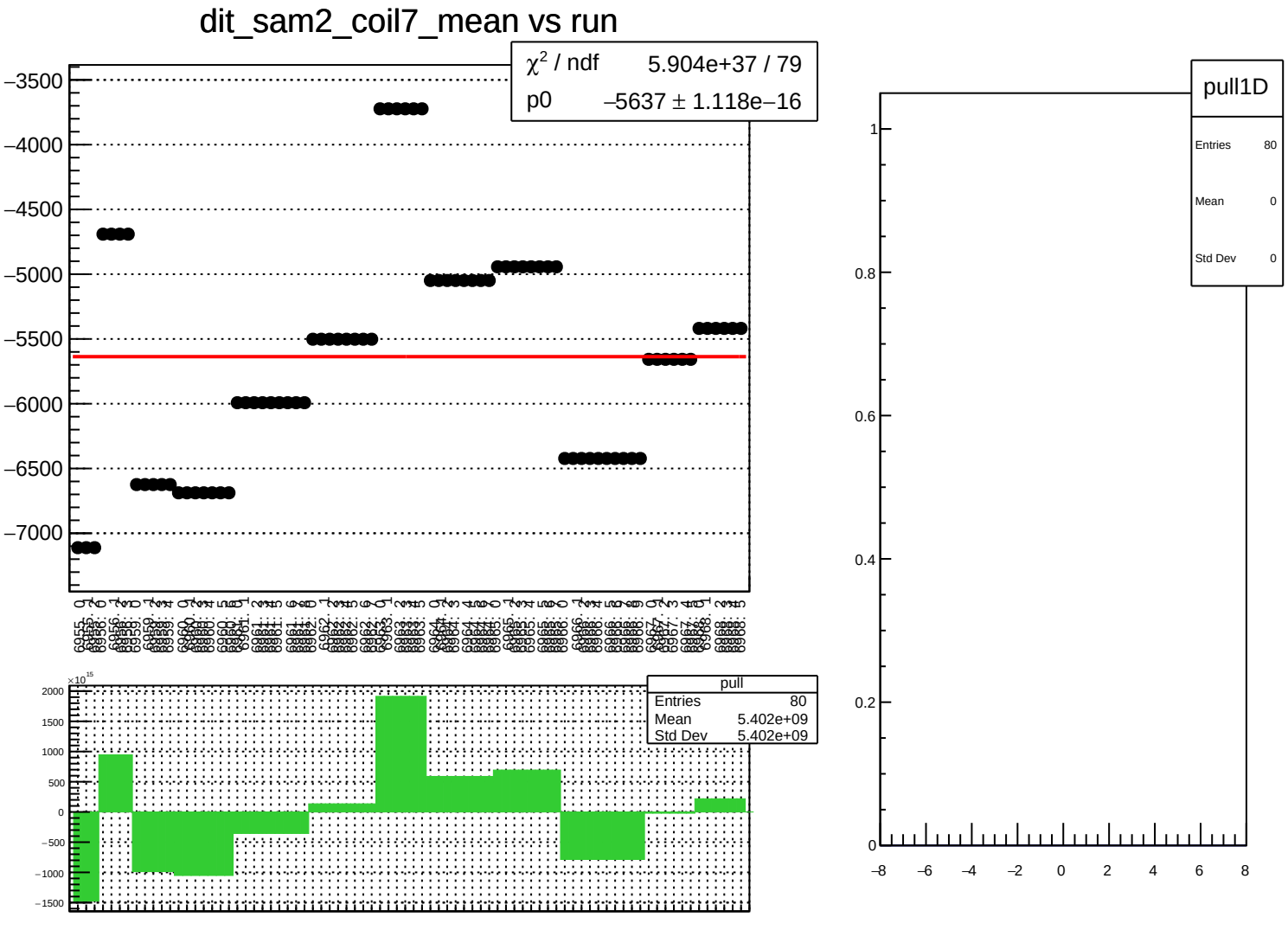

dit_sam1_coil7_mean vs run
χ^2 / ndf 5.303e+35 / 79
p0 −116.5 ± 1.118e−16
0
−50
−100
−150
−200
−250
pull
Entries 80
Mean 5.988e+09
Std Dev 5.988e+09
×10^15
100
50
0
−50
−100

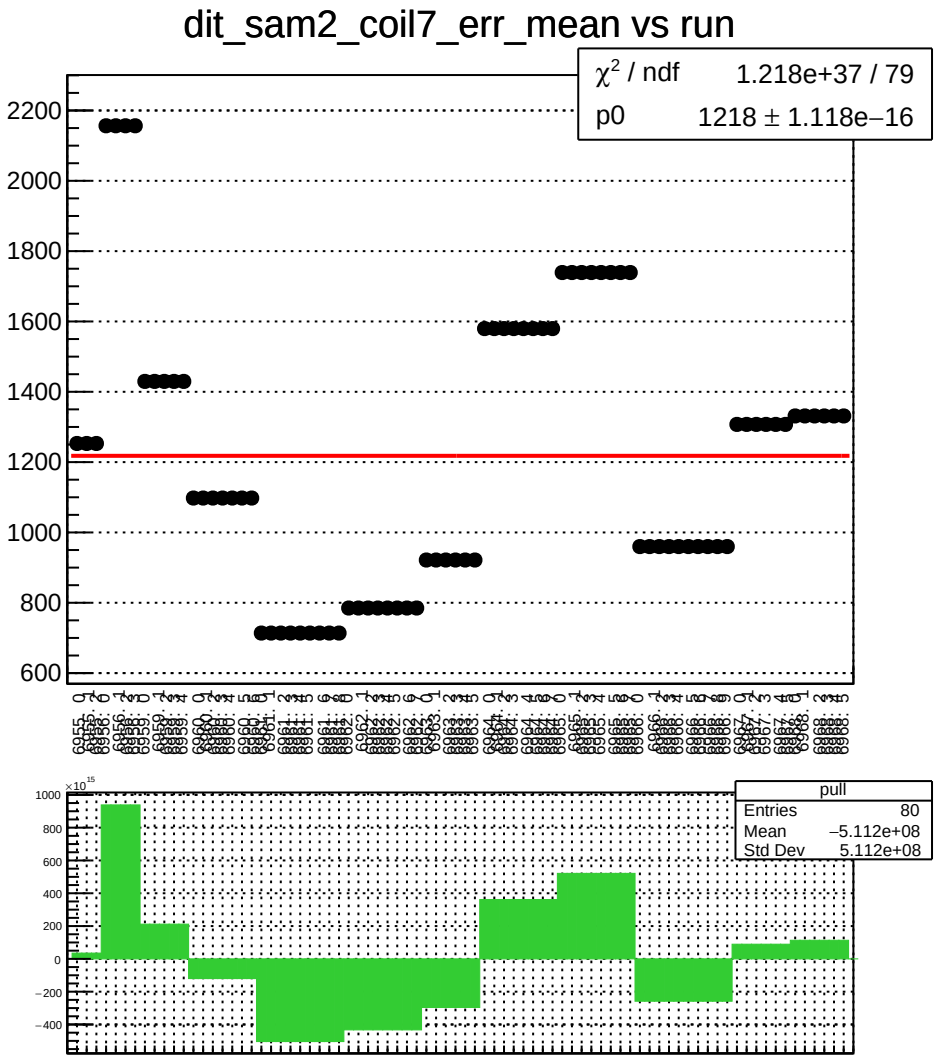

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

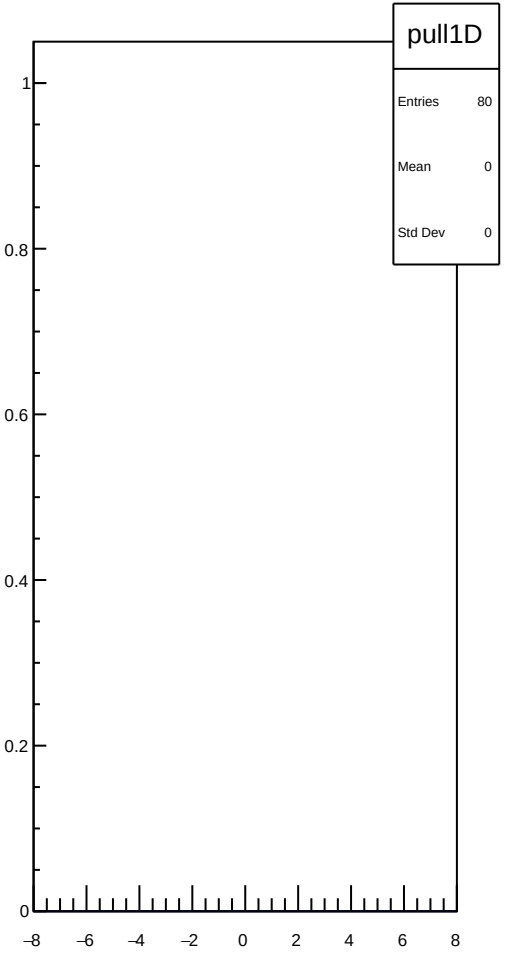

dit_sam1_coil7_err_mean vs run
χ² / ndf 6.85e+34 / 79
p0 120.5 ± 1.118e−16
pull
Entries 80
Mean −1.591e+10
Std Dev 1.591e+10
pull1D
Entries 80
Mean 0
Std Dev 0

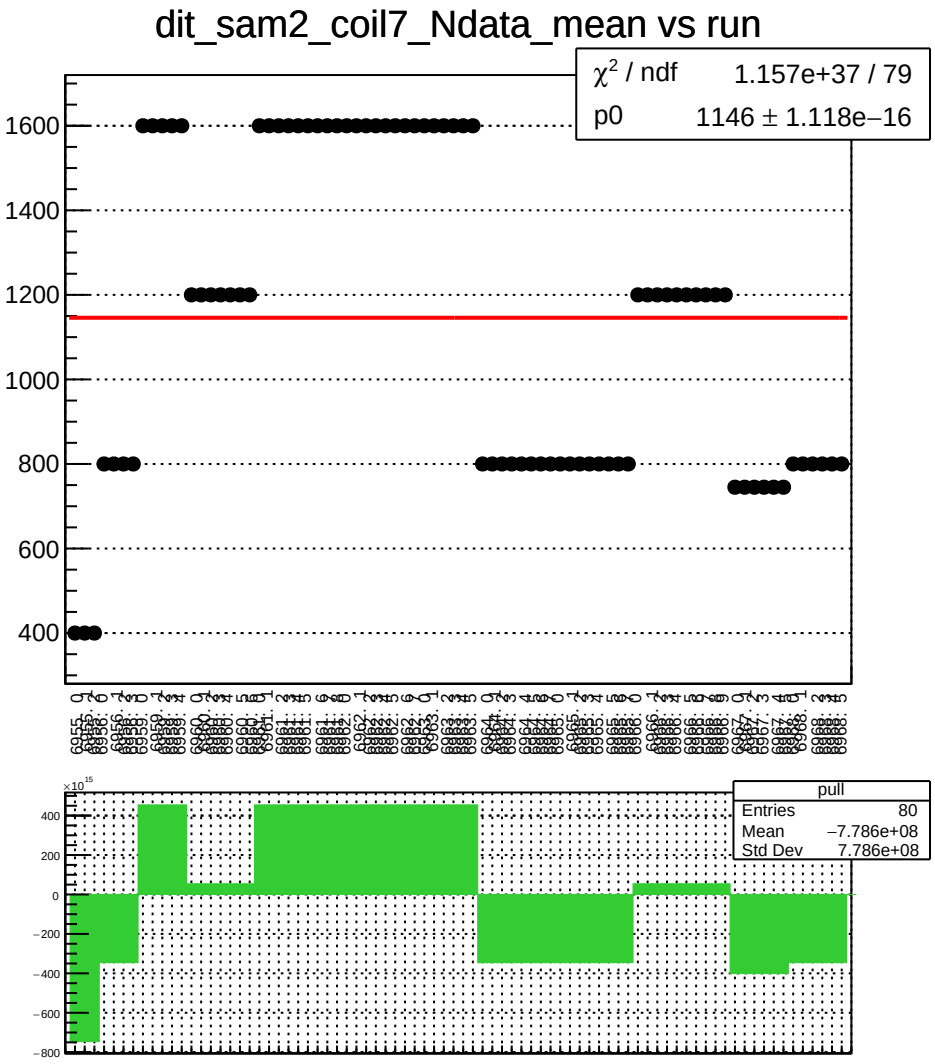

dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
400
200
0
−200
−400
−600
−800

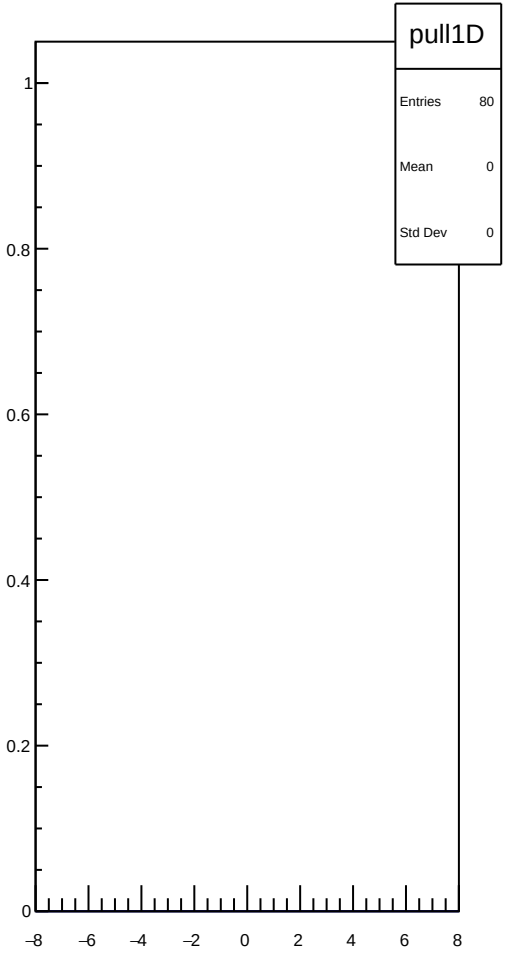

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

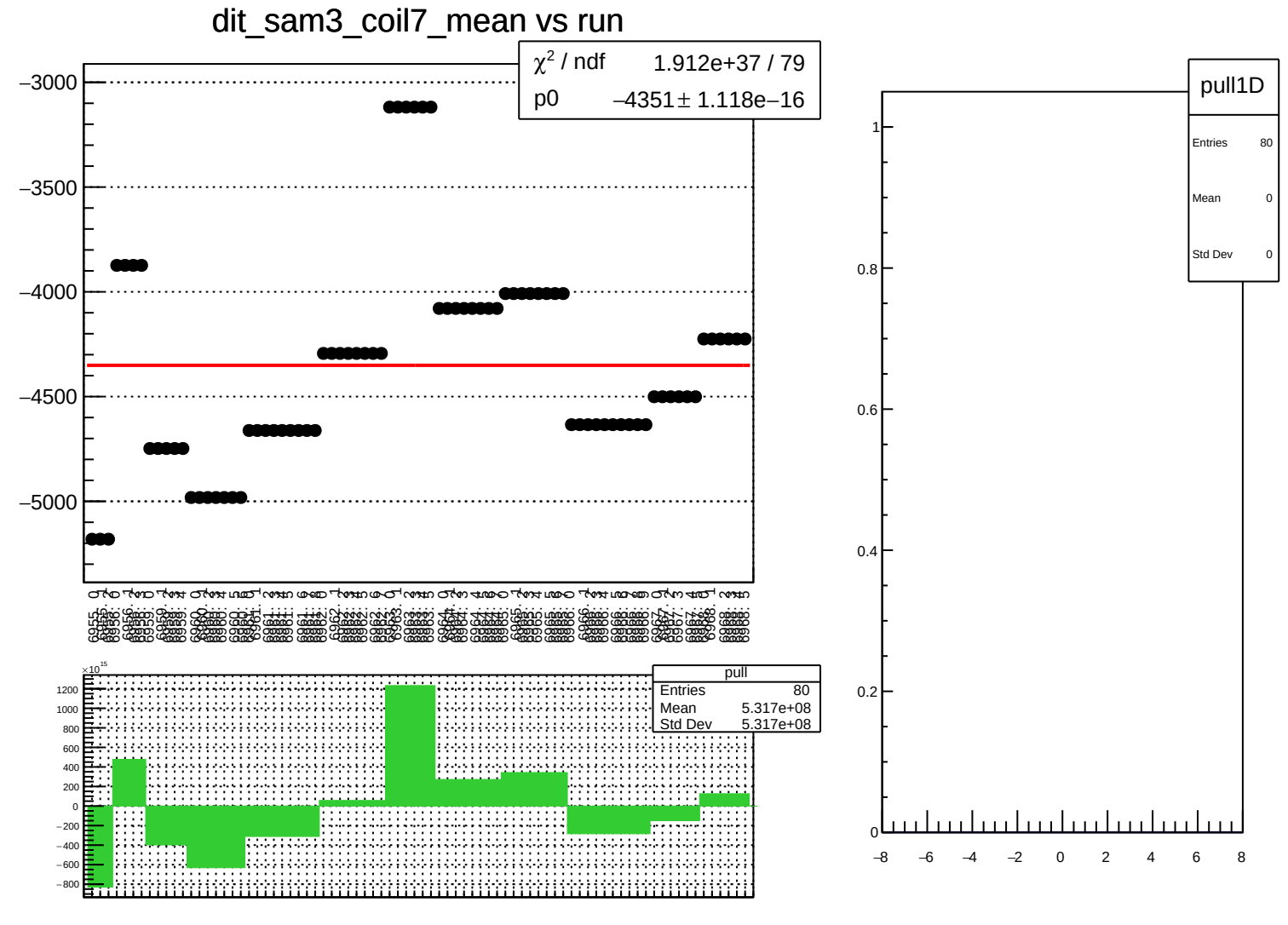

dit_sam2_coil7_mean vs run
χ² / ndf 5.904e+37 / 79
p0 −5637 ± 1.118e−16
−3500
−4000
−4500
−5000
−5500
−6000
−6500
−7000
pull
Entries 80
Mean 5.402e+09
Std Dev 5.402e+09
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

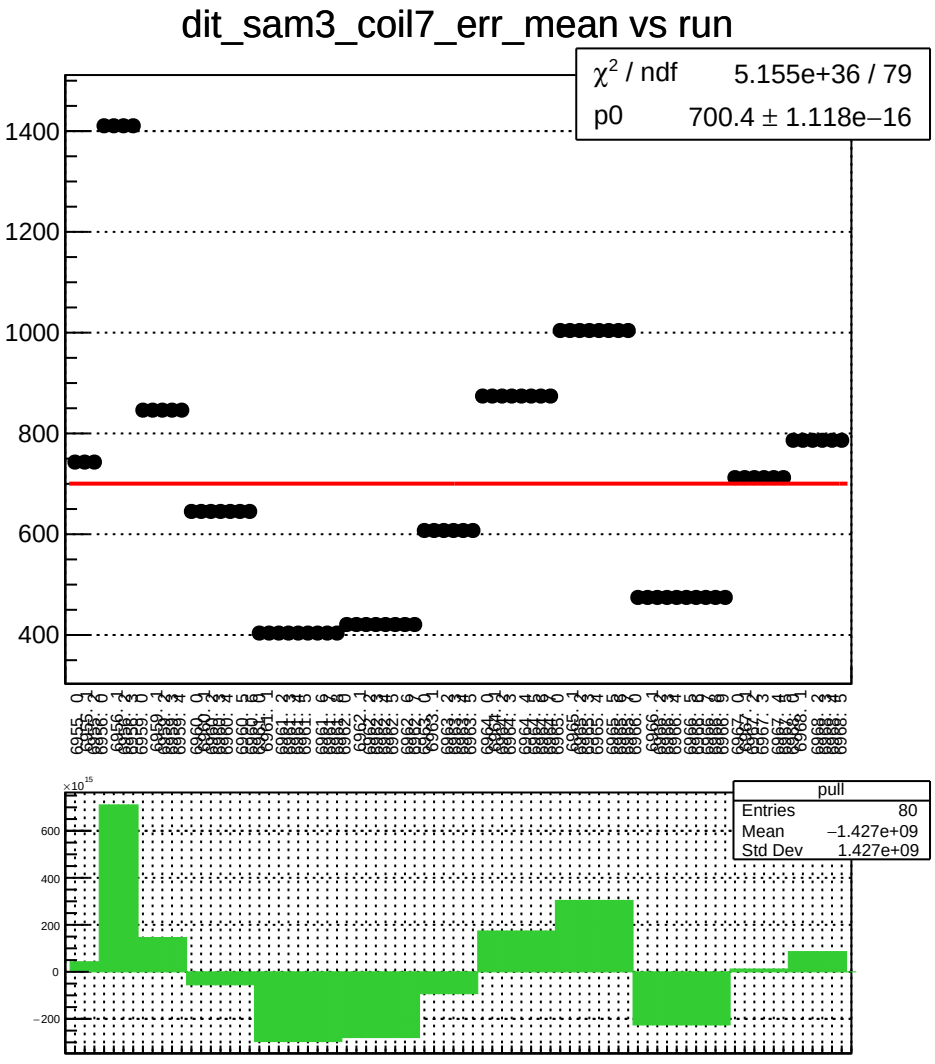

dit_sam2_coil7_err_mean vs run
χ² / ndf 1.218e+37 / 79
p0 1218 ± 1.118e−16
pull
Entries 80
Mean −5.112e+08
Std Dev 5.112e+08

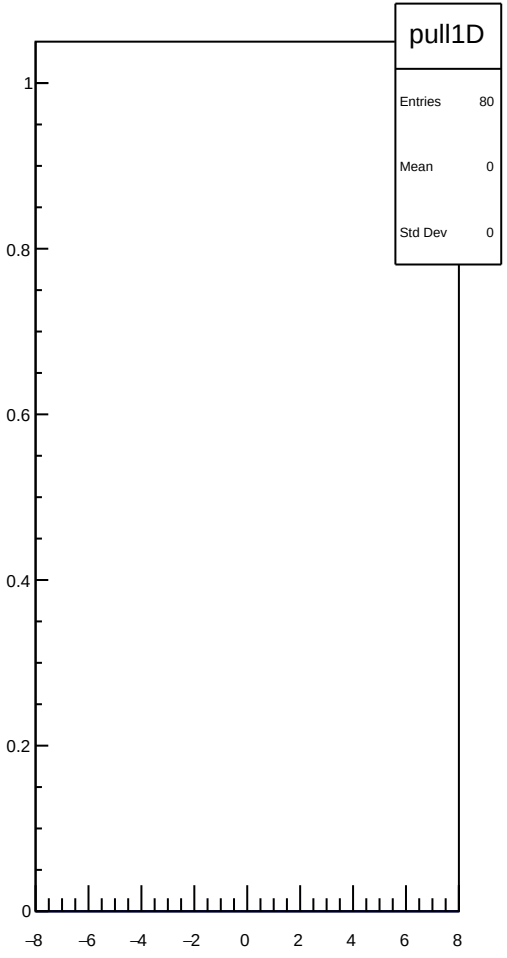

pull1D
Entries 80
Mean 0
Std Dev 0

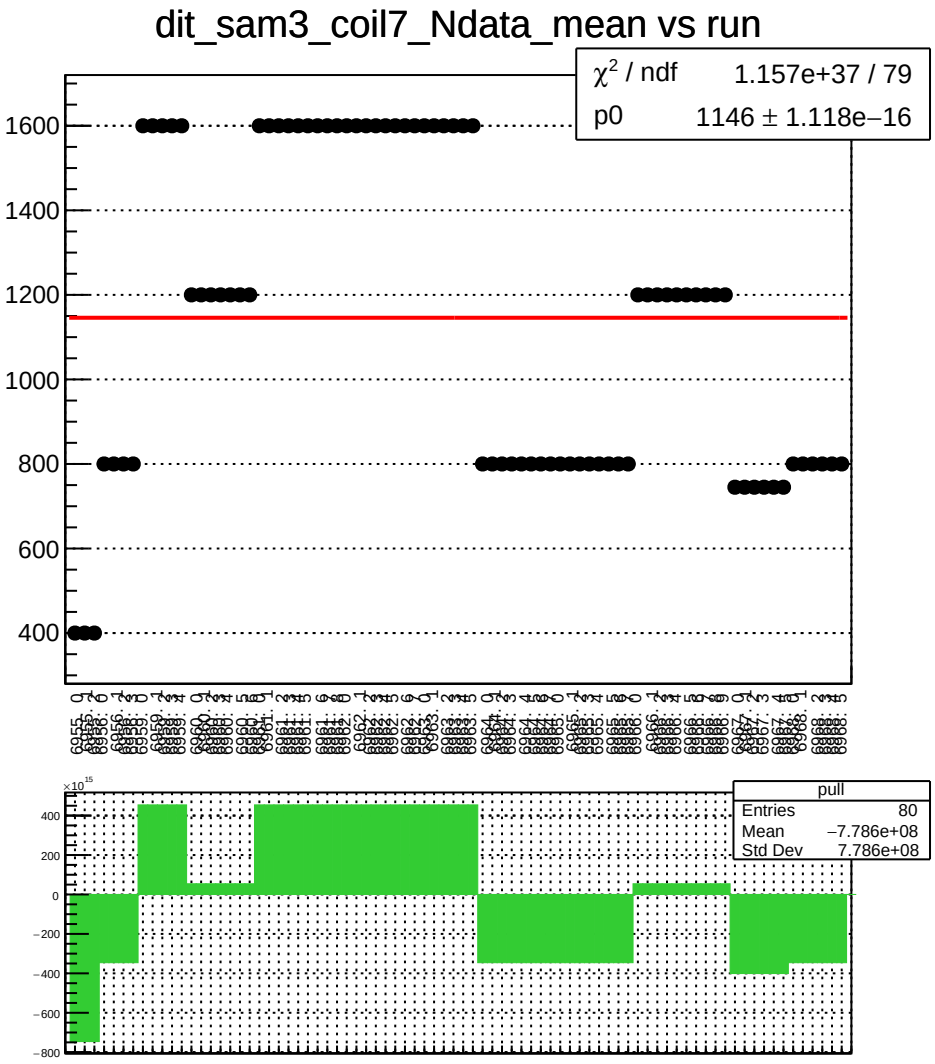

dit_sam2_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
400
200
0
−200
−400
−600
−800

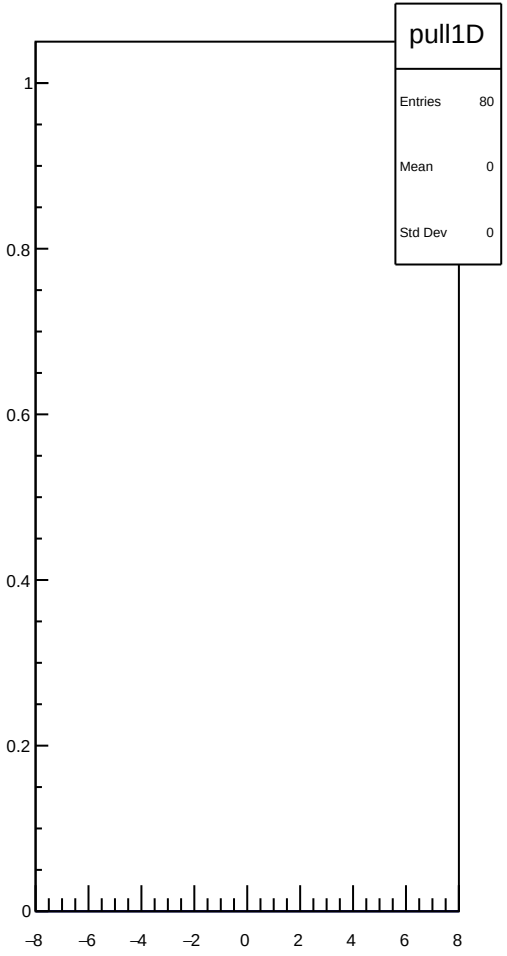

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

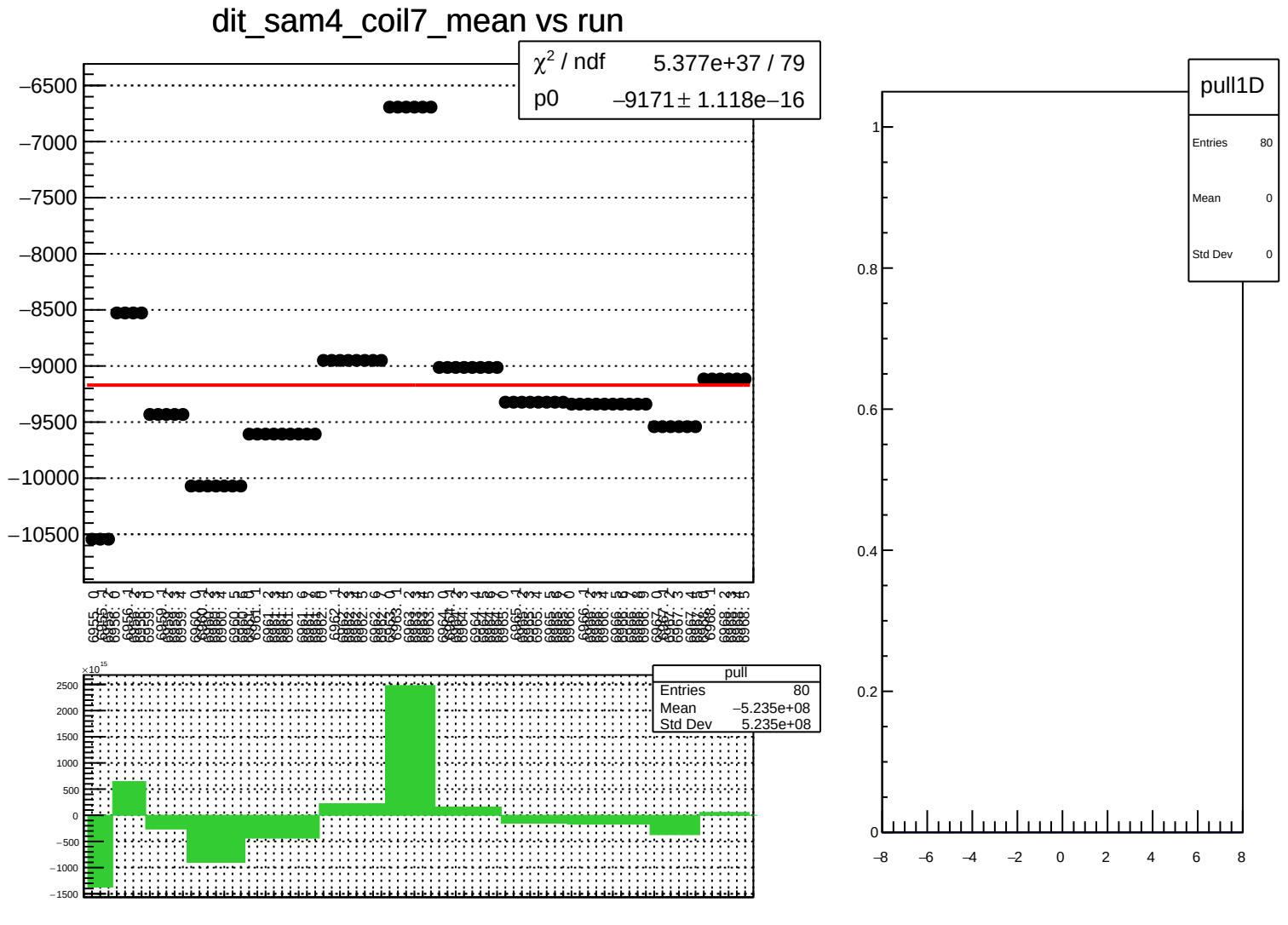

dit_sam3_coil7_mean vs run
χ² / ndf 1.912e+37 / 79
p0 −4351 ± 1.118e−16
−3000
−3500
−4000
−4500
−5000
pull
Entries 80
Mean 5.317e+08
Std Dev 5.317e+08
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

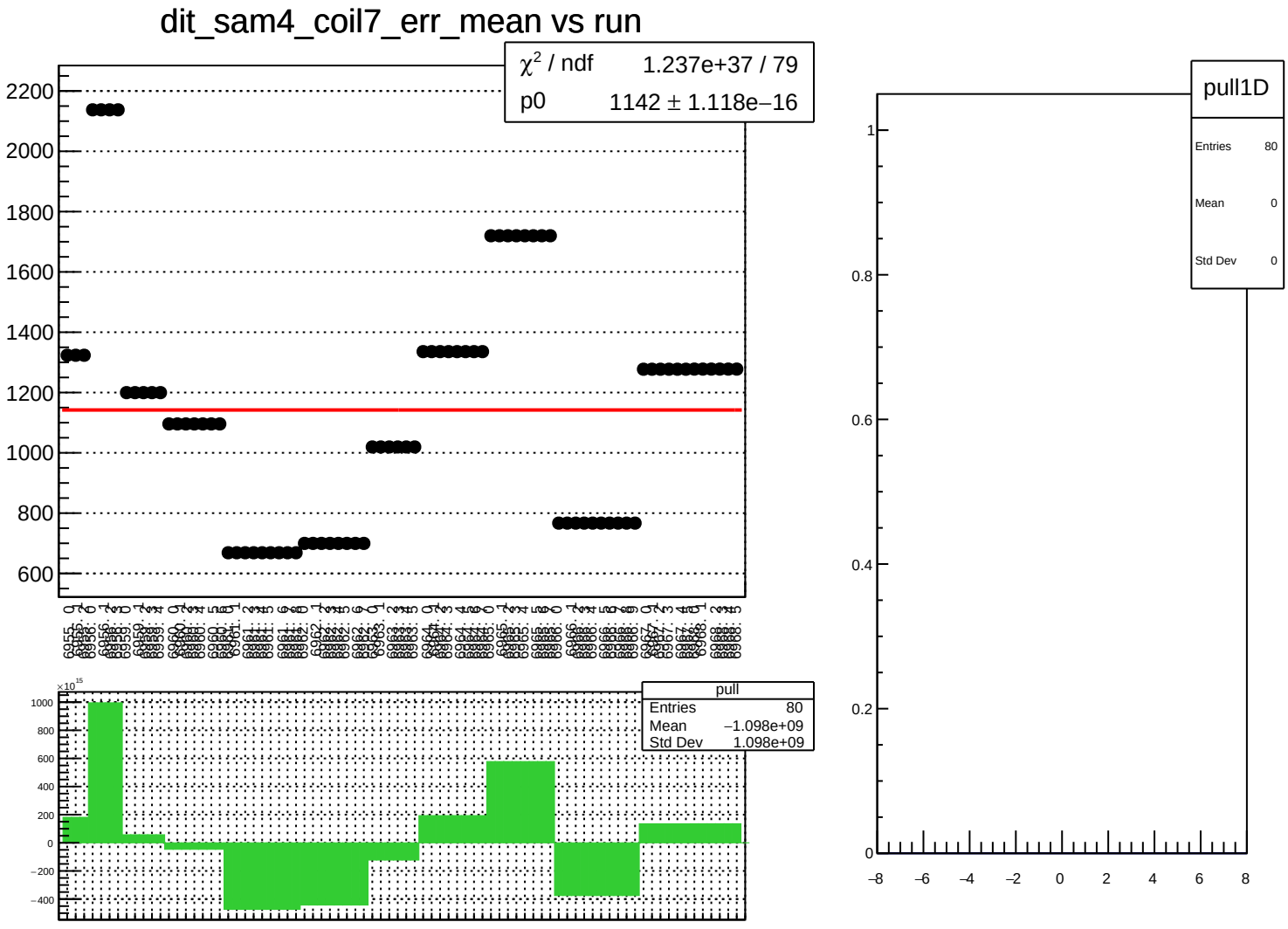

dit_sam3_coil7_err_mean vs run
χ² / ndf 5.155e+36 / 79
p0 700.4 ± 1.118e−16
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.427e+09
Std Dev 1.427e+09
×10¹⁵
600
400
200
0
−200

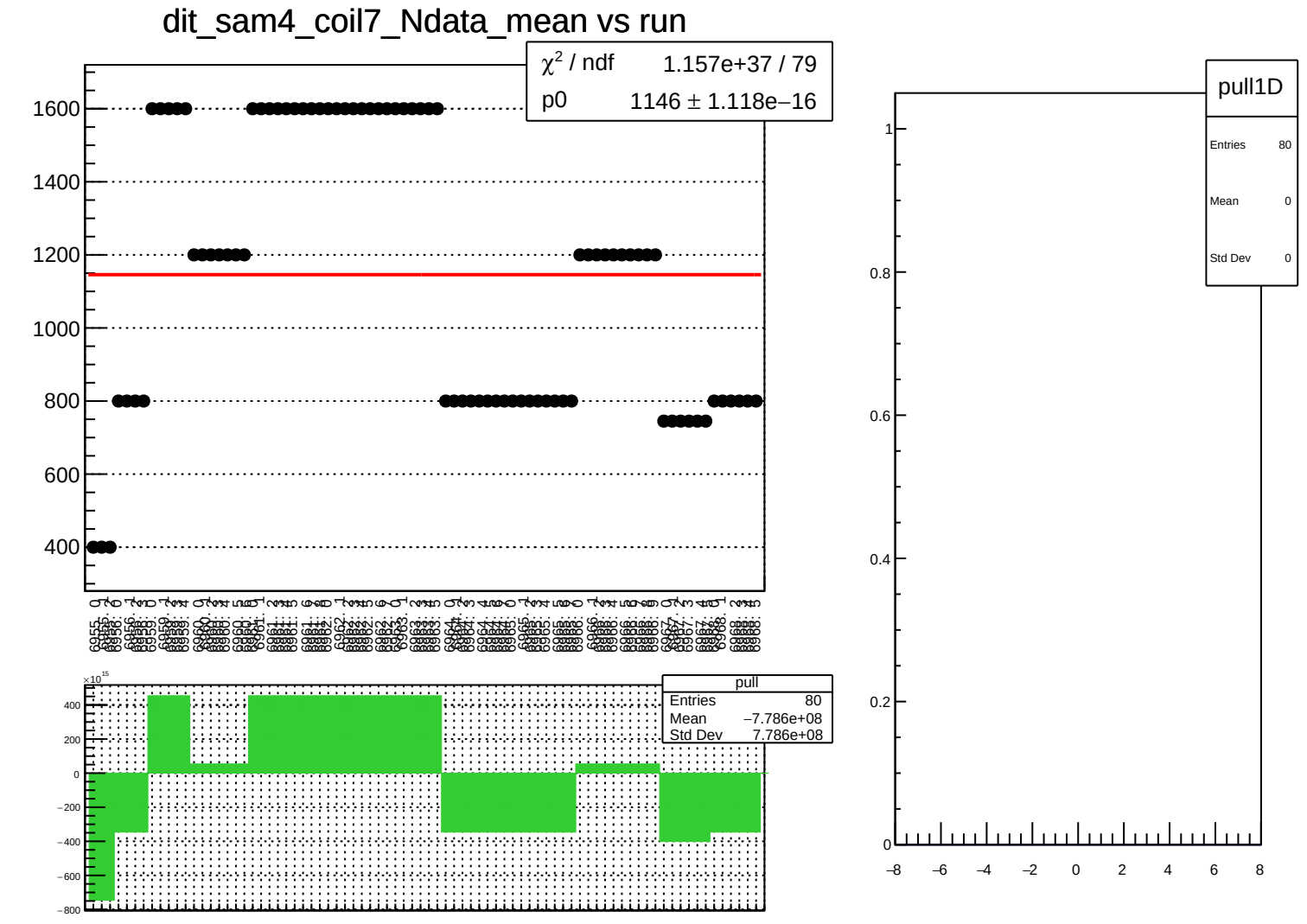

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

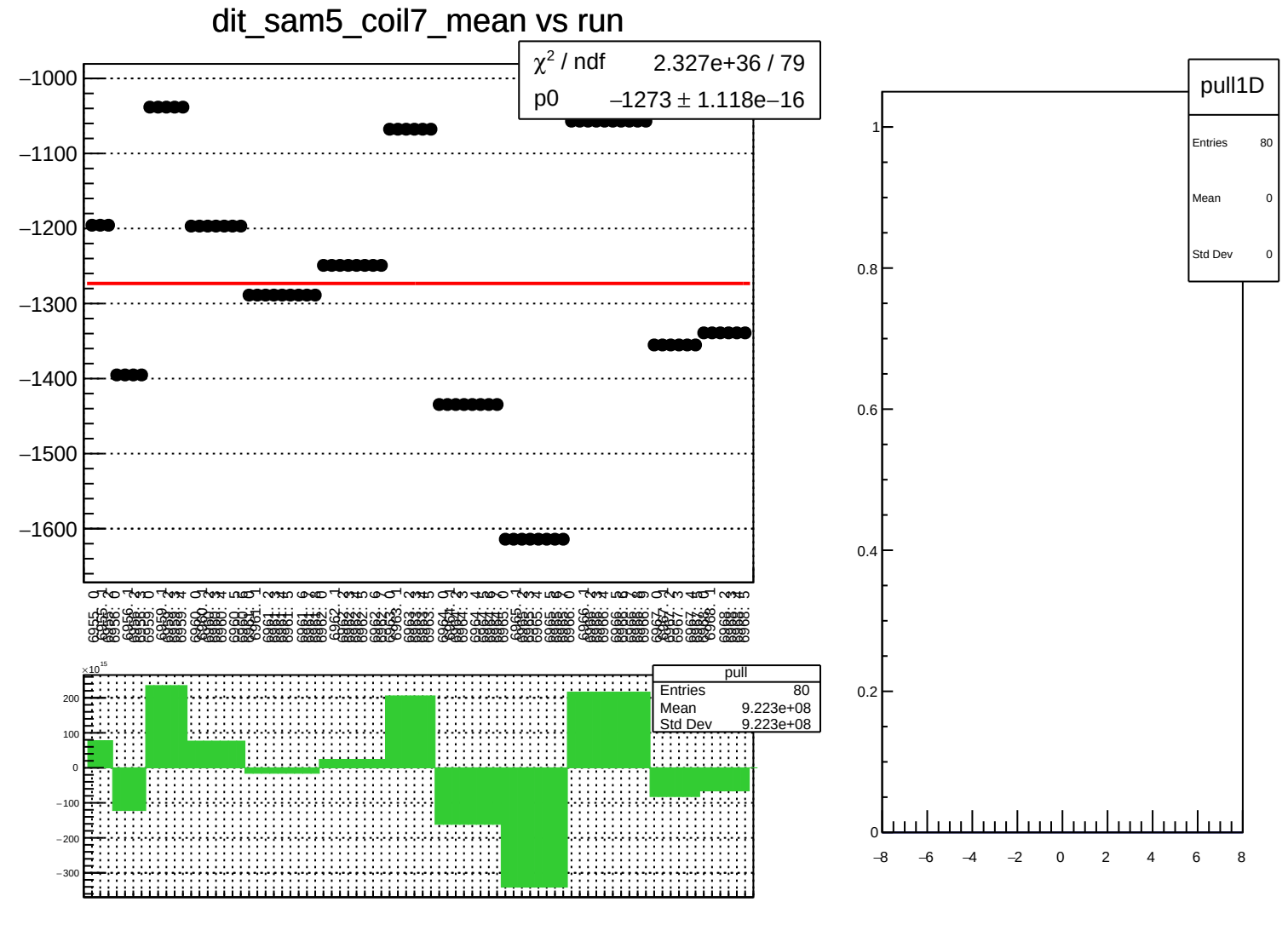

dit_sam3_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
400
200
0
−200
−400
−600
−800

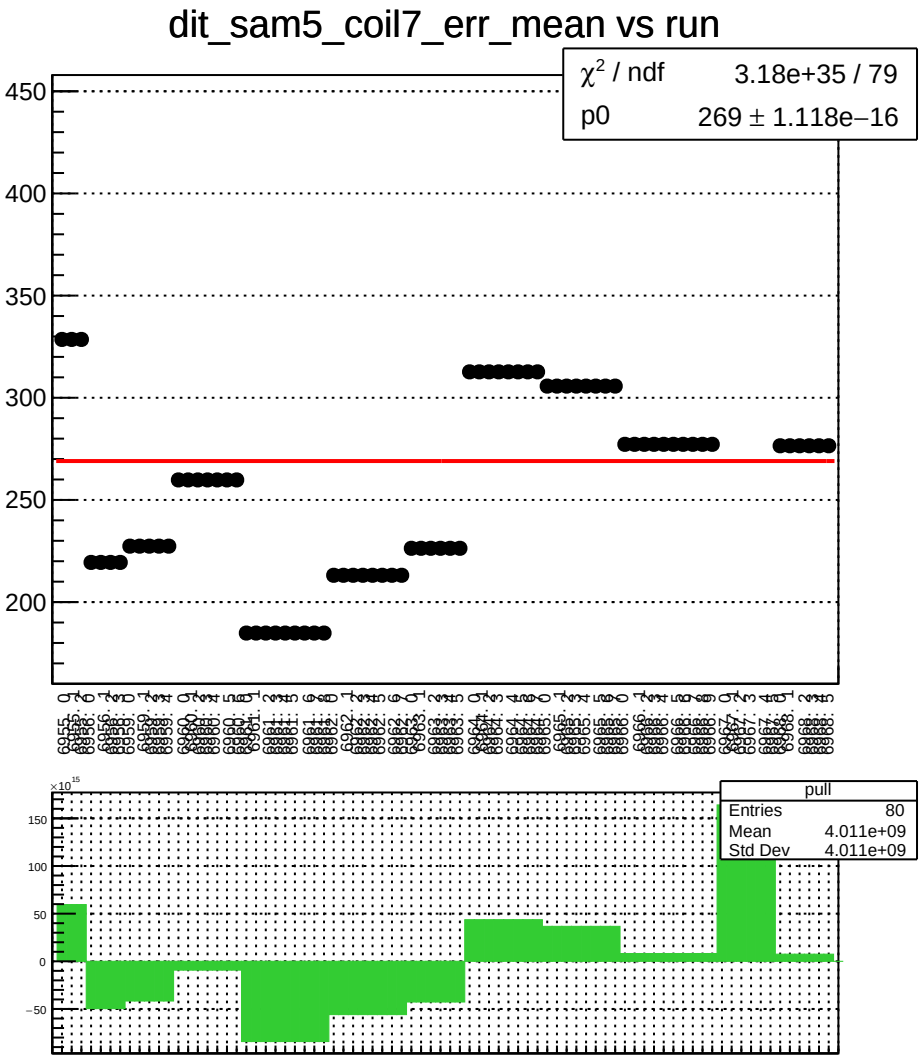

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

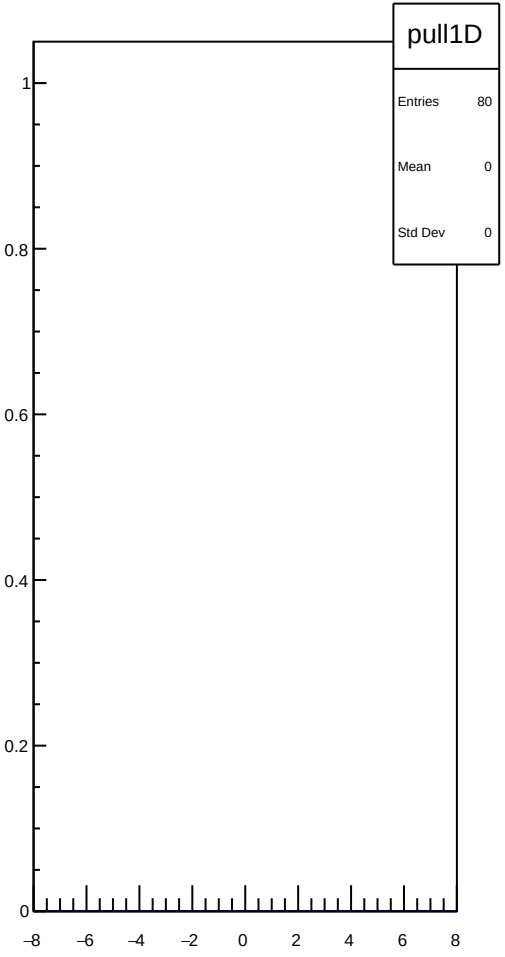

dit_sam4_coil7_mean vs run
χ² / ndf 5.377e+37 / 79
p0 −9171 ± 1.118e−16
−6500
−7000
−7500
−8000
−8500
−9000
−9500
−10000
−10500
pull
Entries 80
Mean −5.235e+08
Std Dev 5.235e+08
×10¹⁵
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam4_coil7_err_mean vs run
χ² / ndf 1.237e+37 / 79
p0 1142 ± 1.118e−16
pull
Entries 80
Mean −1.098e+09
Std Dev 1.098e+09
pull1D
Entries 80
Mean 0
Std Dev 0


dit_sam4_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil7_mean vs run
χ² / ndf 2.327e+36 / 79
p0 −1273 ± 1.118e−16
−1000
−1100
−1200
−1300
−1400
−1500
−1600
pull
Entries 80
Mean 9.223e+08
Std Dev 9.223e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil7_err_mean vs run
χ² / ndf 3.18e+35 / 79
p0 269 ± 1.118e−16
450
400
350
300
250
200
pull
Entries 80
Mean 4.011e+09
Std Dev 4.011e+09
×10¹⁵
150
100
50
0
−50


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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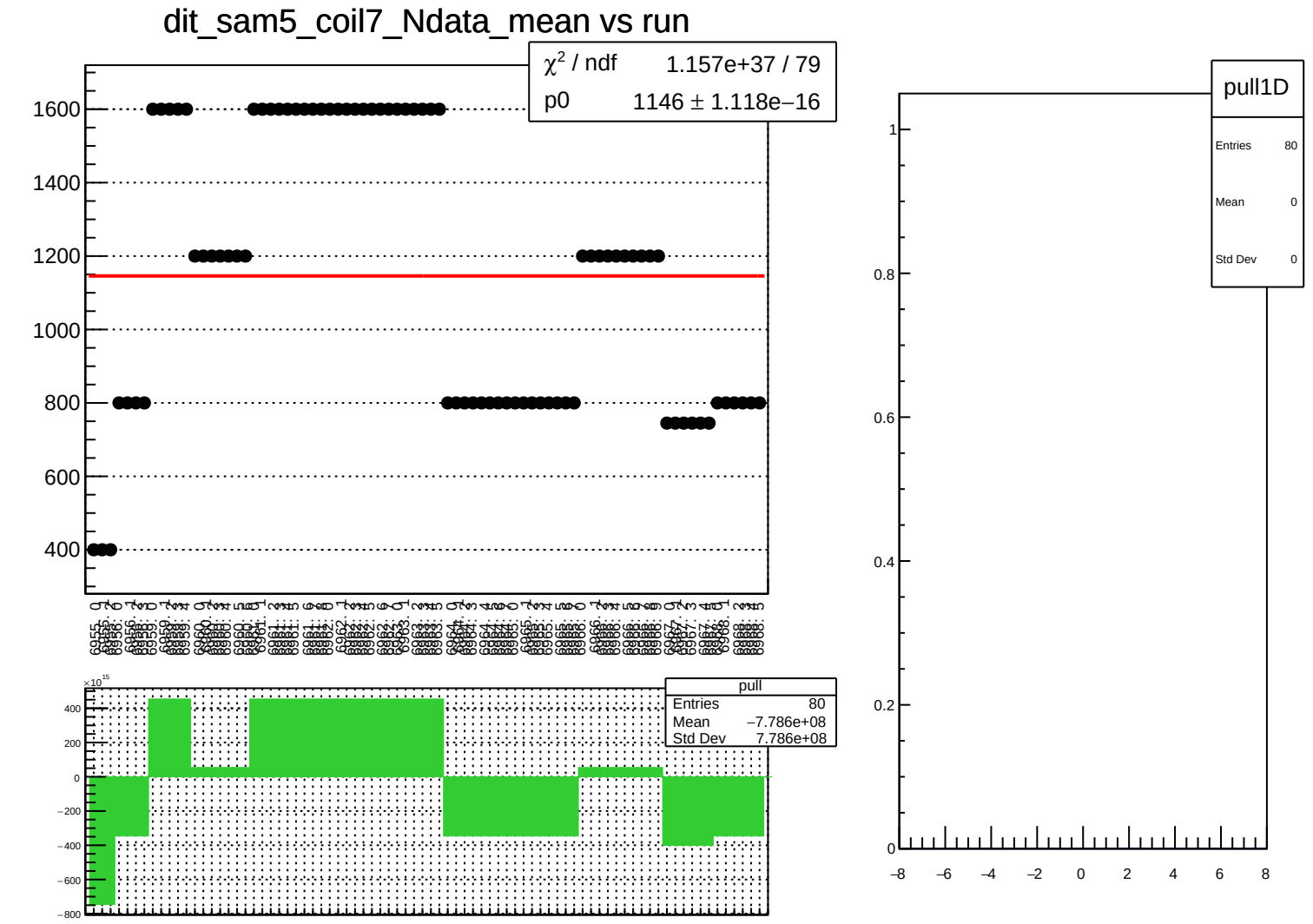
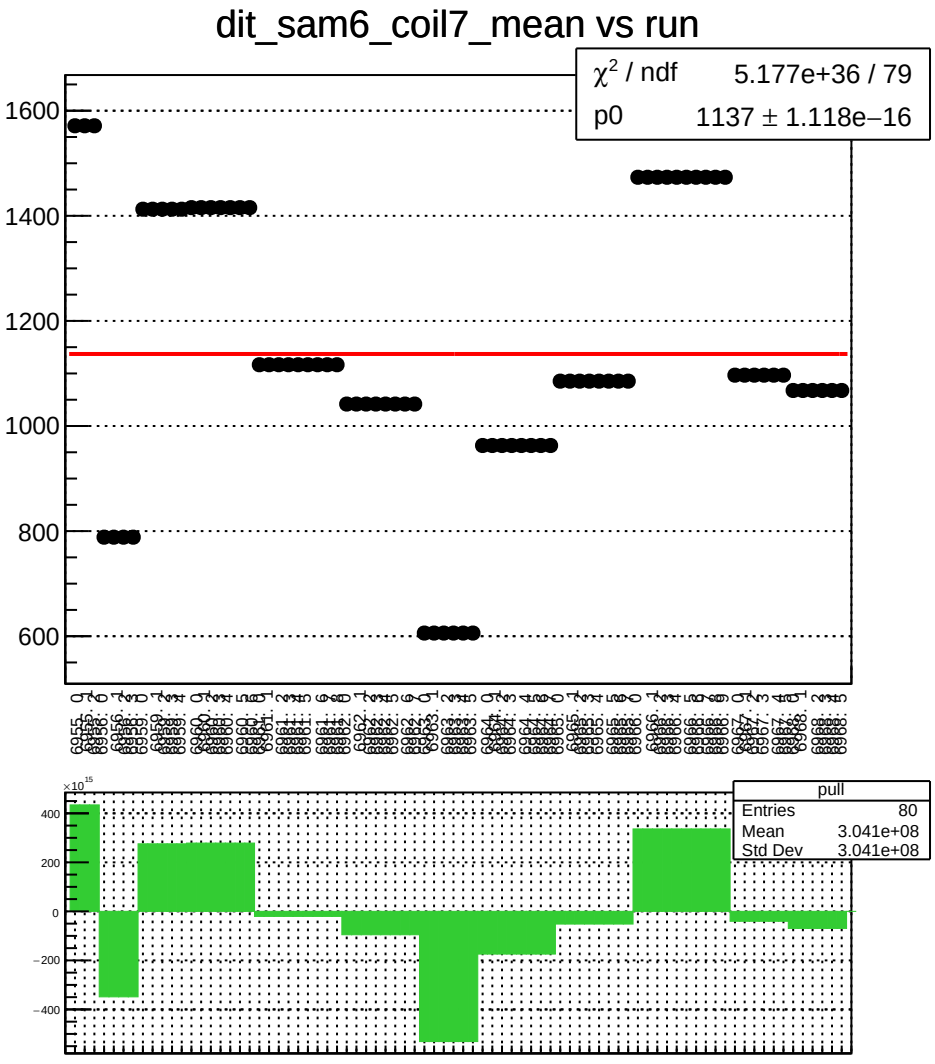
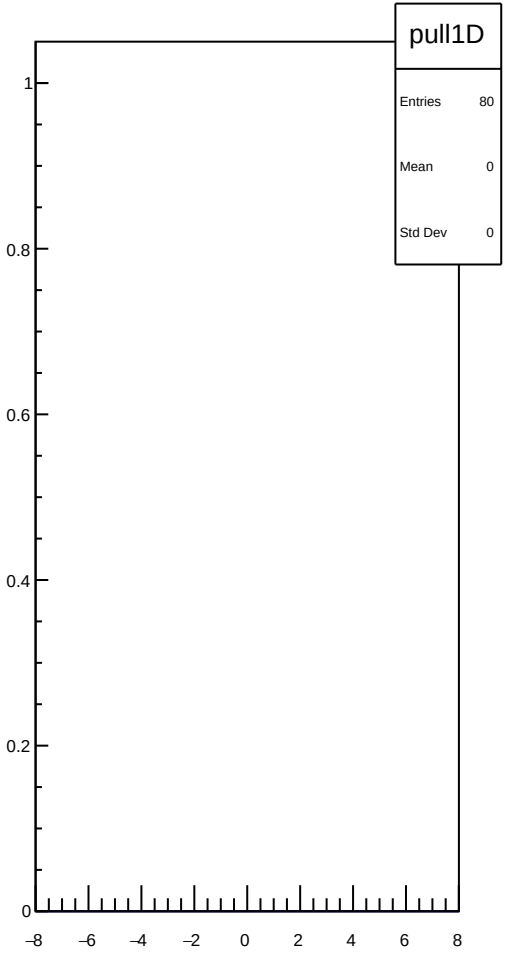
0
2
4
6
8


dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil7_mean vs run
χ² / ndf 5.177e+36 / 79
p0 1137 ± 1.118e−16
1600
1400
1200
1000
800
600
pull
Entries 80
Mean 3.041e+08
Std Dev 3.041e+08
×10¹⁵
400
200
0
−200
−400


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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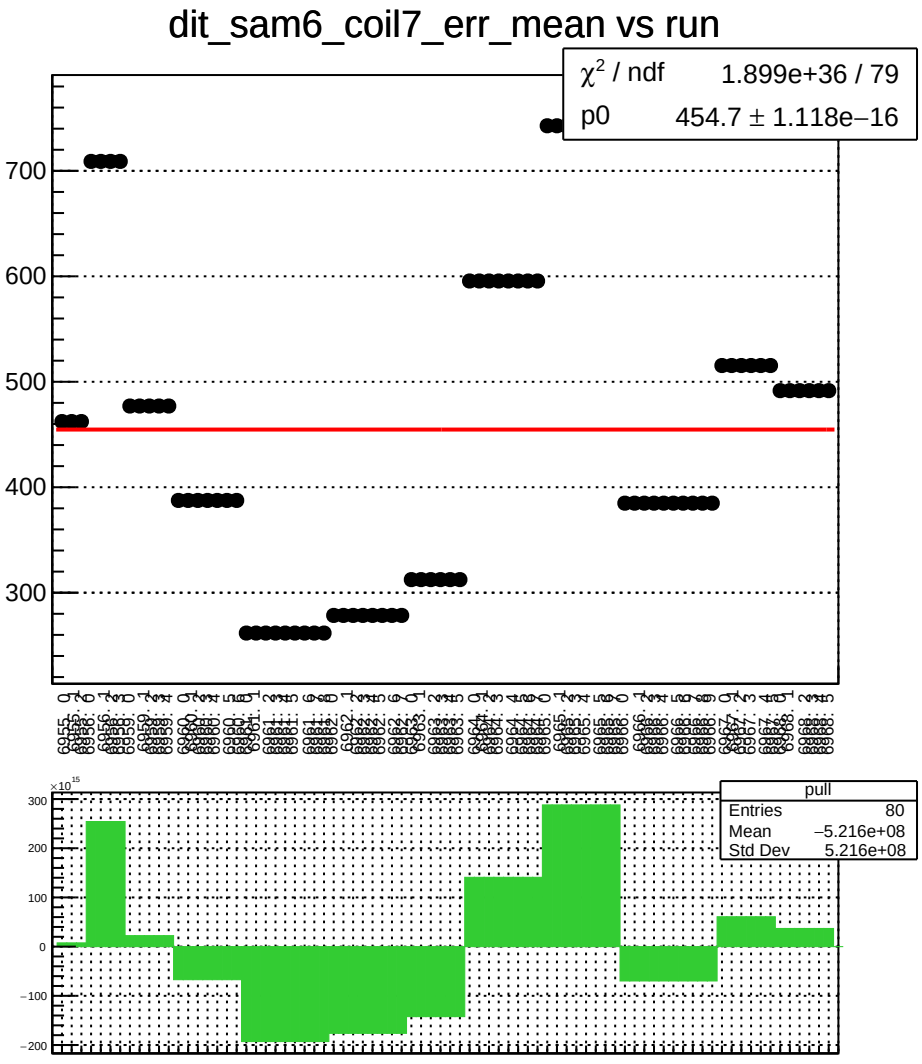
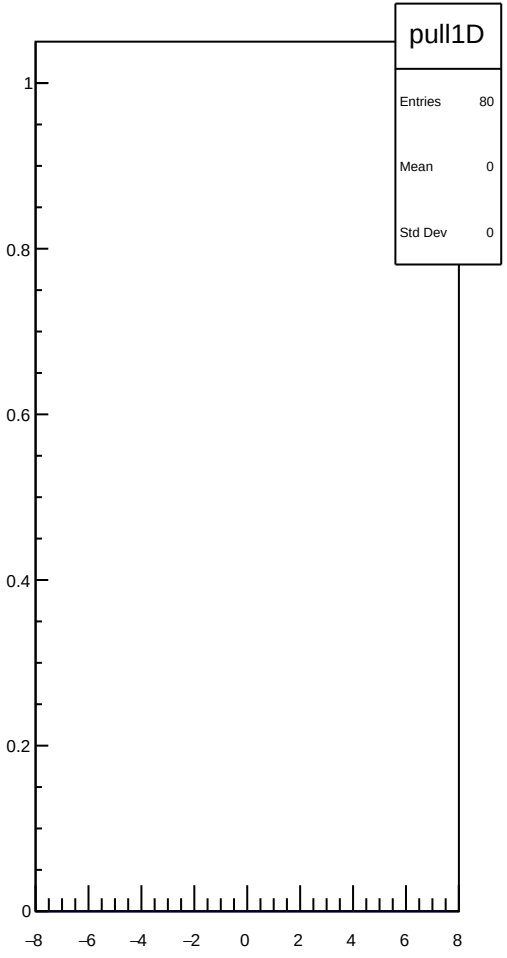
2
4
6
8


dit_sam6_coil7_err_mean vs run
χ² / ndf 1.899e+36 / 79
p0 454.7 ± 1.118e−16
700
600
500
400
300
pull
Entries 80
Mean −5.216e+08
Std Dev 5.216e+08
×10¹⁵
300
200
100
0
−100
−200


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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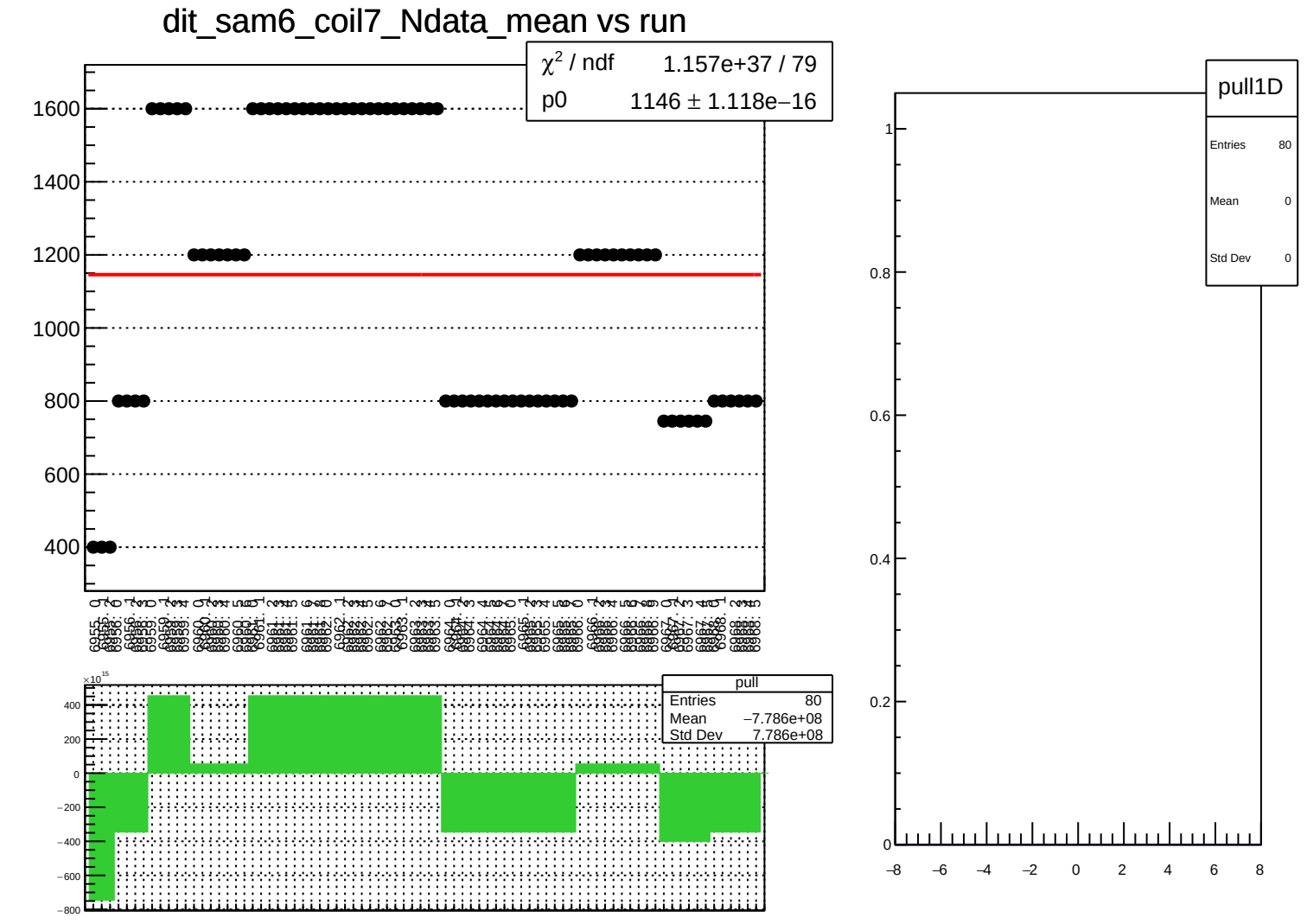
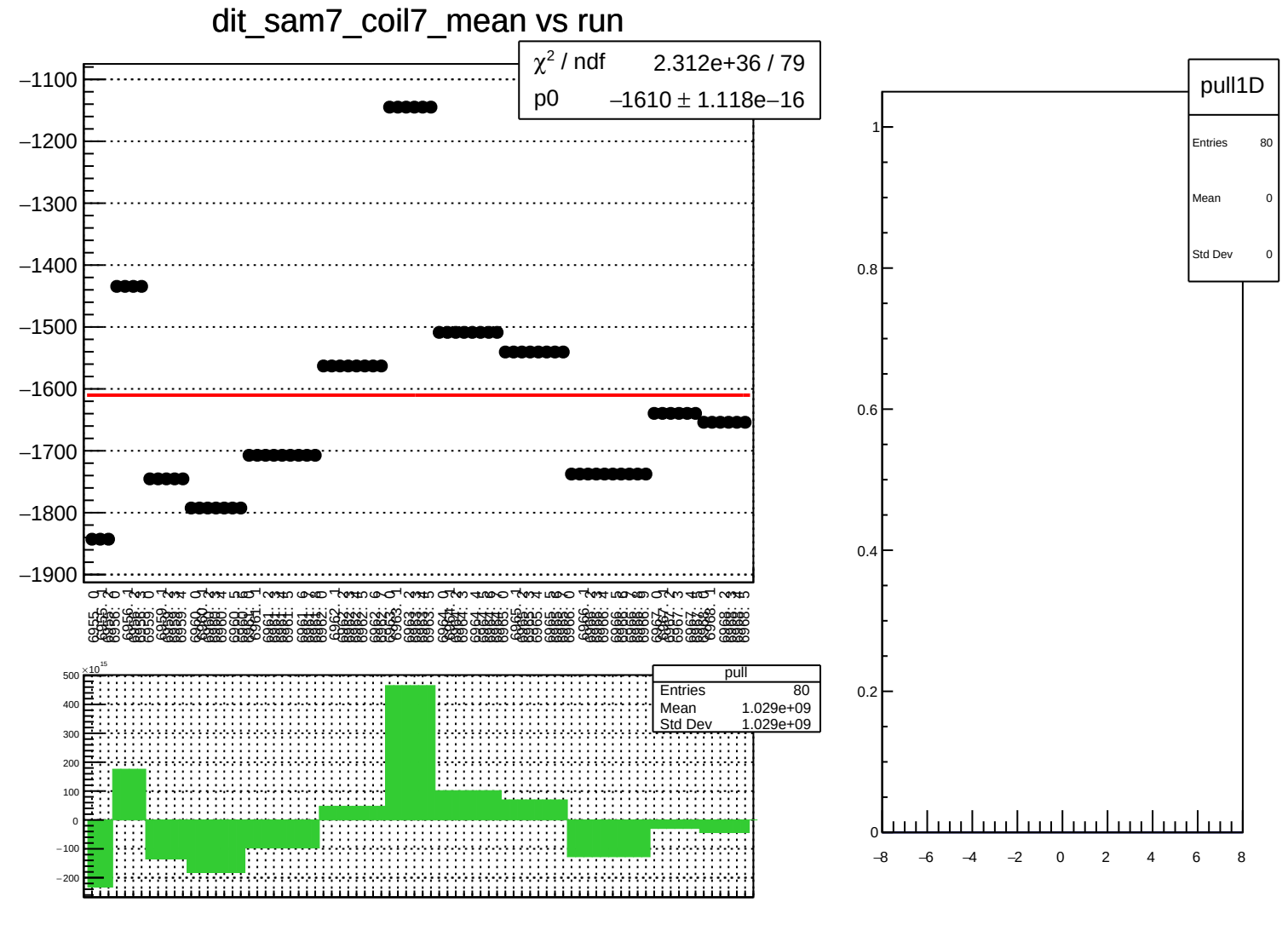
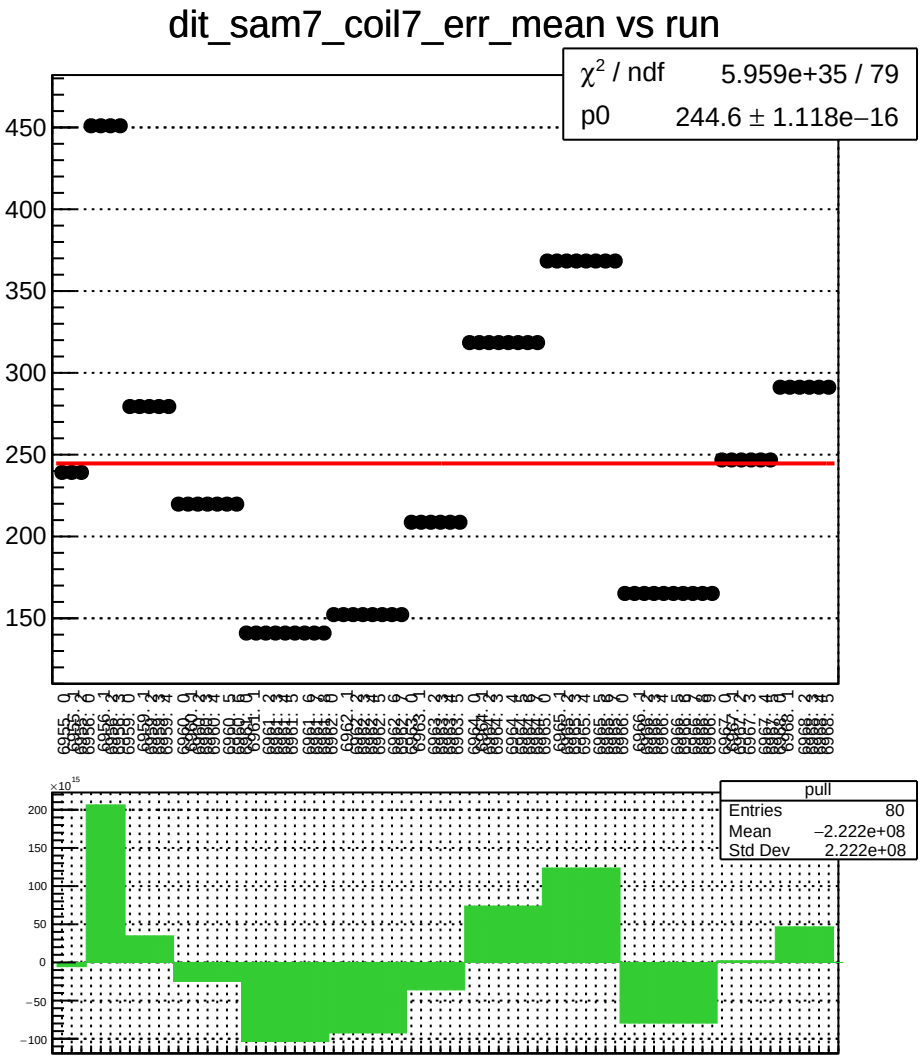
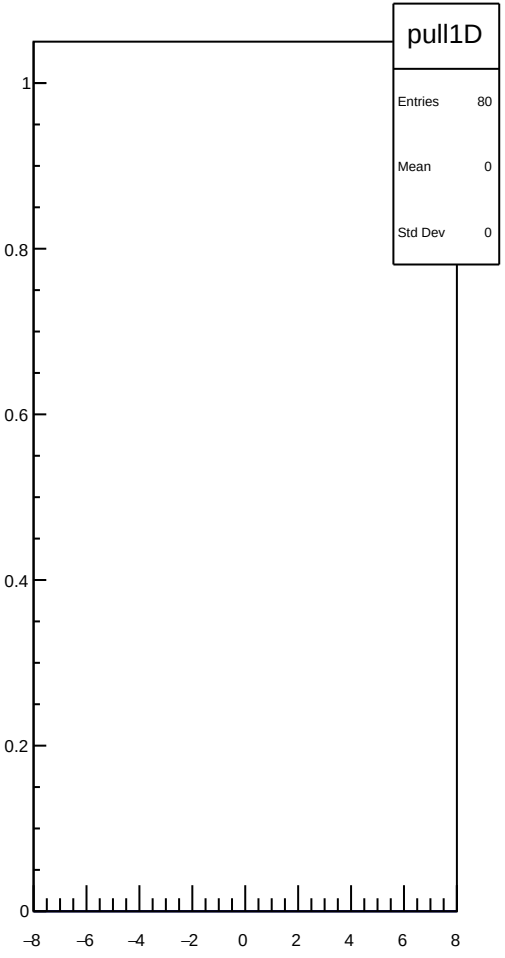
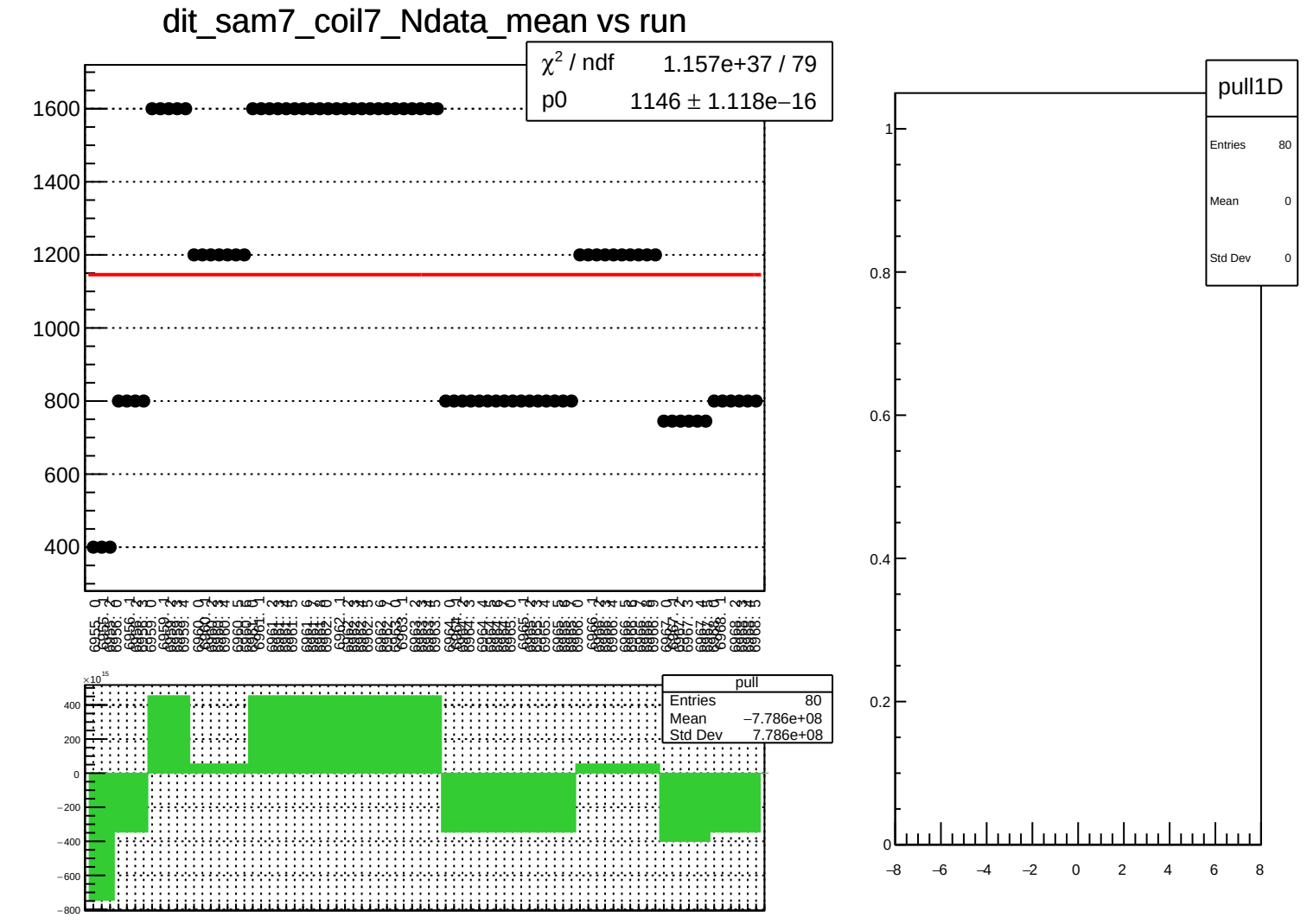
0
2
4
6
8

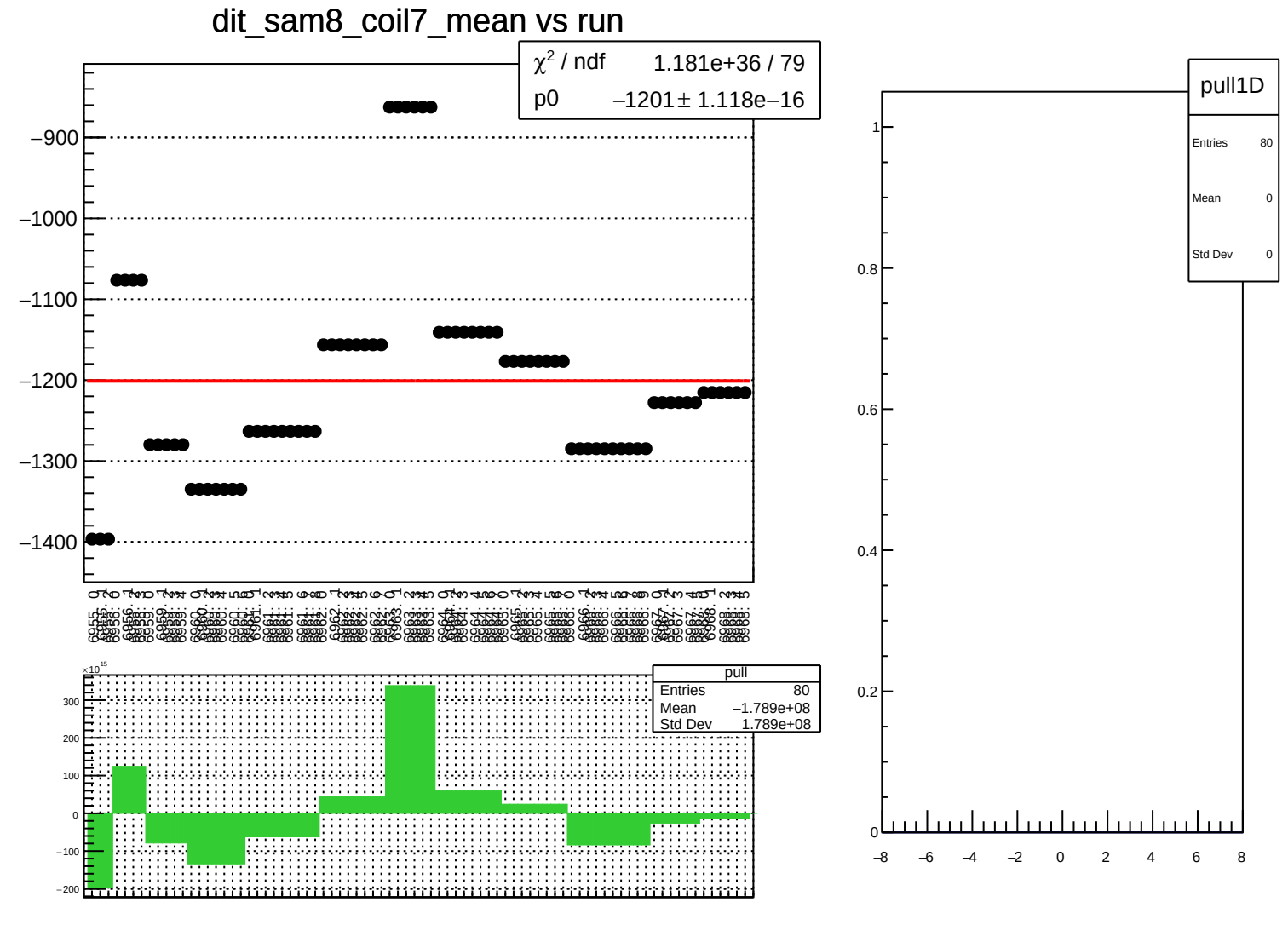

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

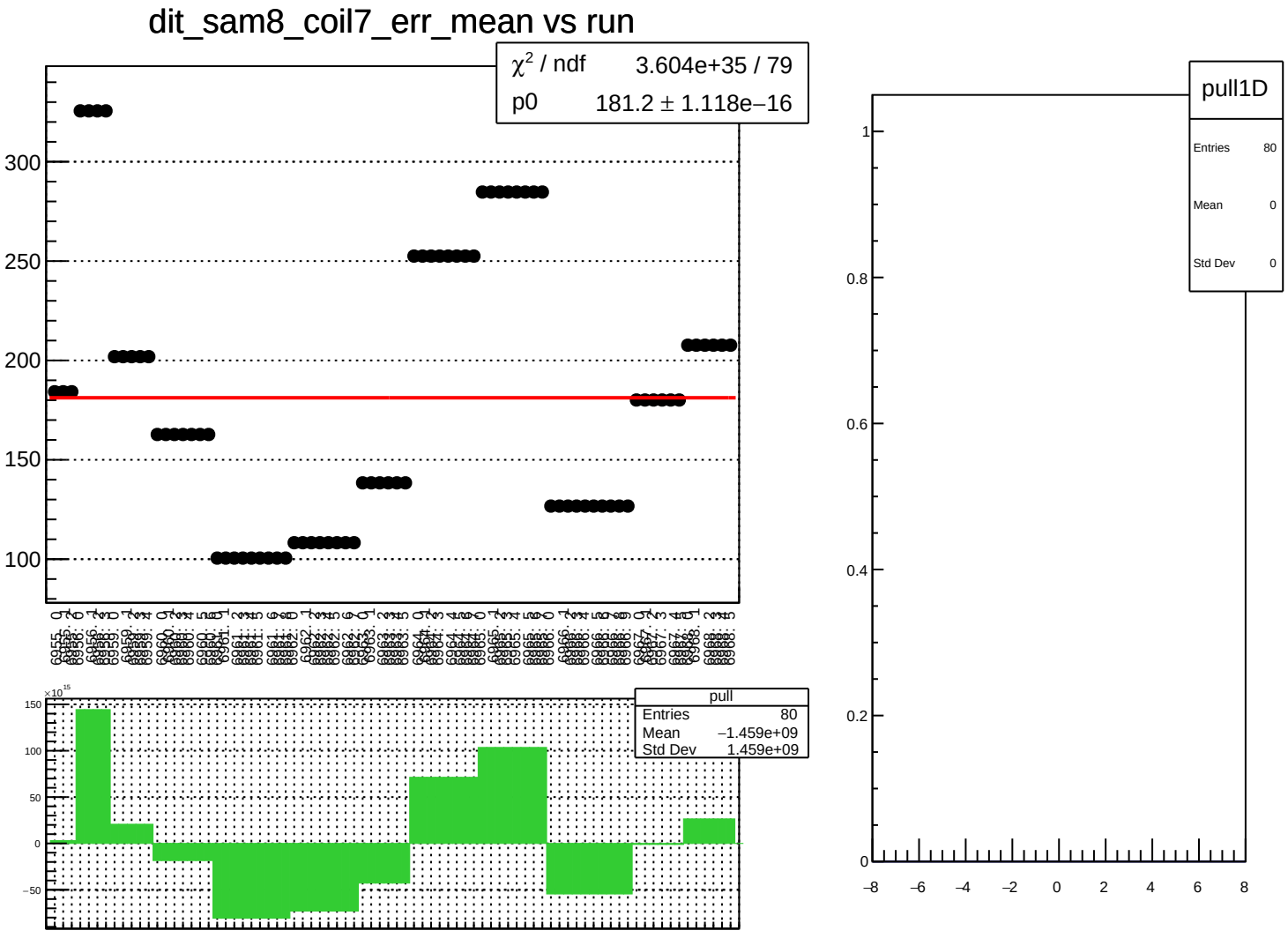

dit_sam7_coil7_mean vs run
χ² / ndf 2.312e+36 / 79
p0 −1610 ± 1.118e−16
−1100
−1200
−1300
−1400
−1500
−1600
−1700
−1800
−1900
pull
Entries 80
Mean 1.029e+09
Std Dev 1.029e+09
×10¹⁵
500
400
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

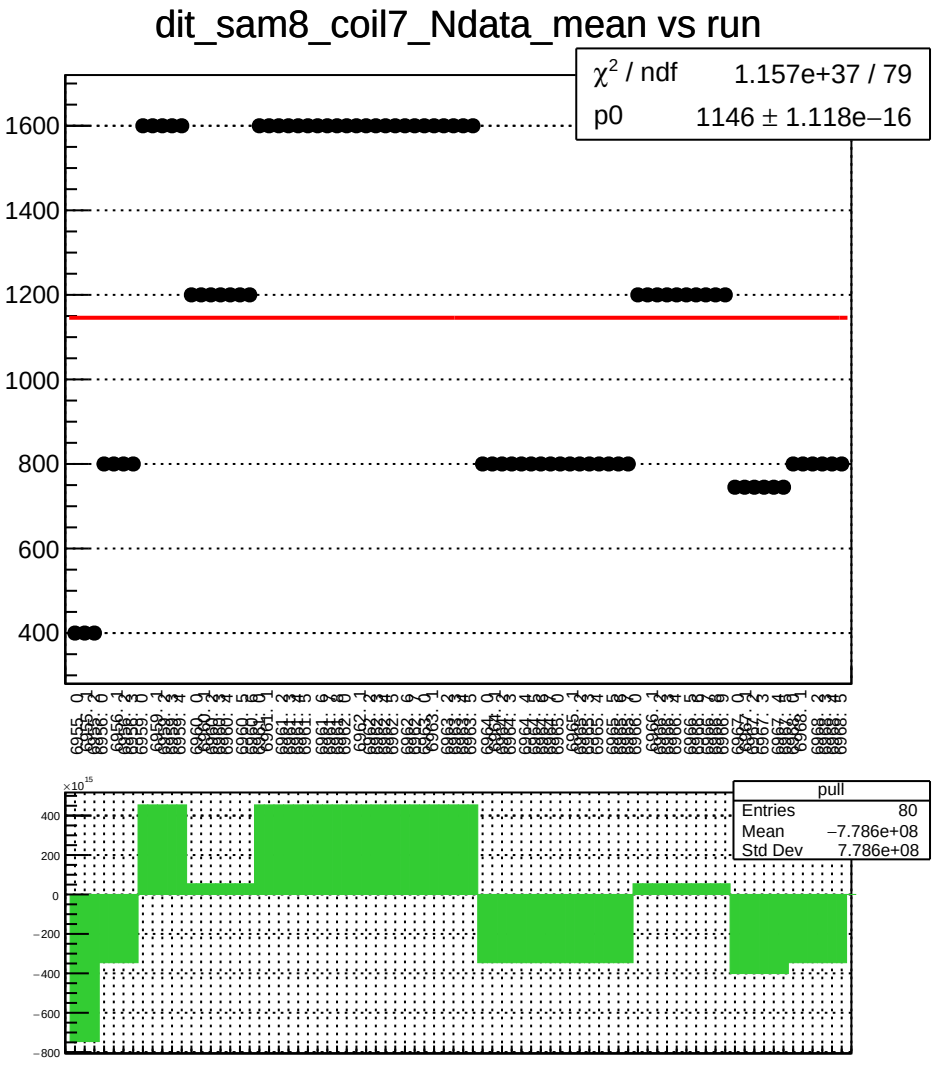

dit_sam7_coil7_err_mean vs run
χ² / ndf 5.959e+35 / 79
p0 244.6 ± 1.118e−16
450
400
350
300
250
200
150
pull
Entries 80
Mean −2.222e+08
Std Dev 2.222e+08
×10¹⁵
200
150
100
50
0
−50
−100

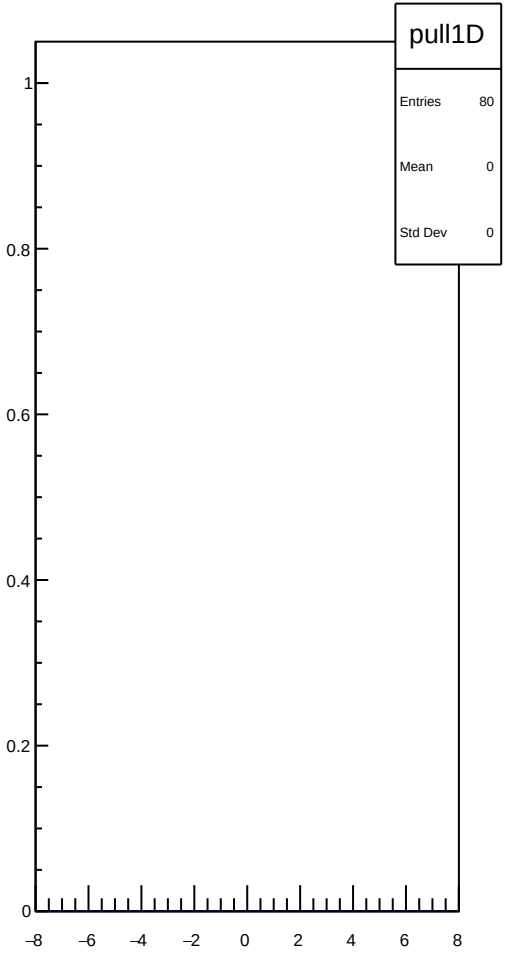

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

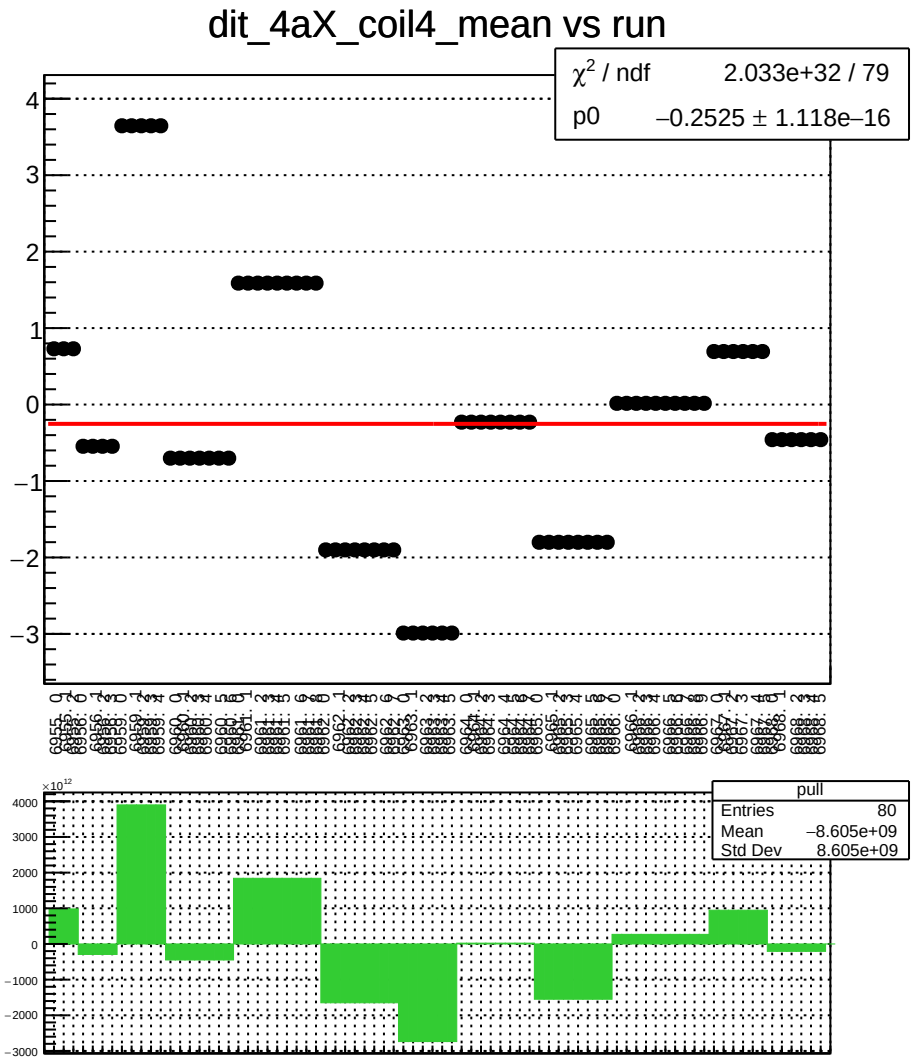

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

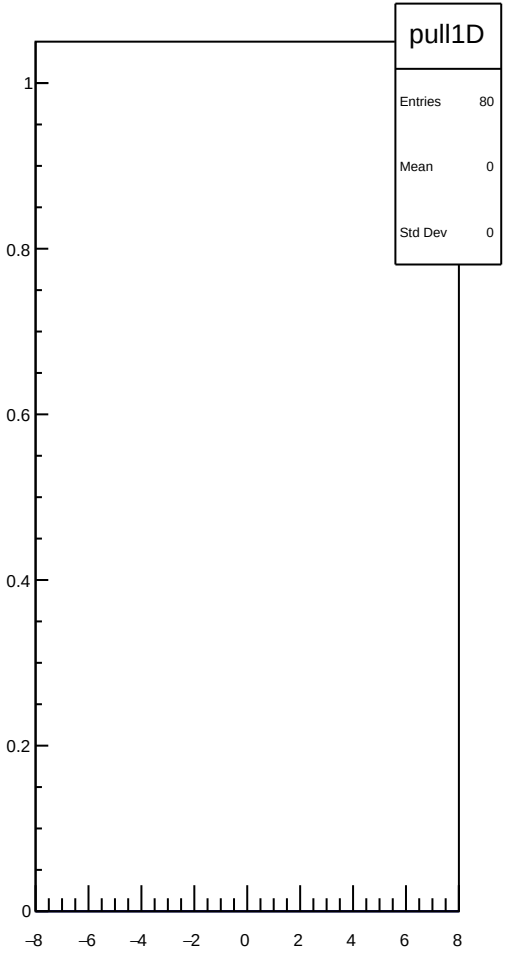

dit_sam8_coil7_mean vs run
χ² / ndf 1.181e+36 / 79
p0 −1201 ± 1.118e−16
−900
−1000
−1100
−1200
−1300
−1400
pull
Entries 80
Mean −1.789e+08
Std Dev 1.789e+08
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

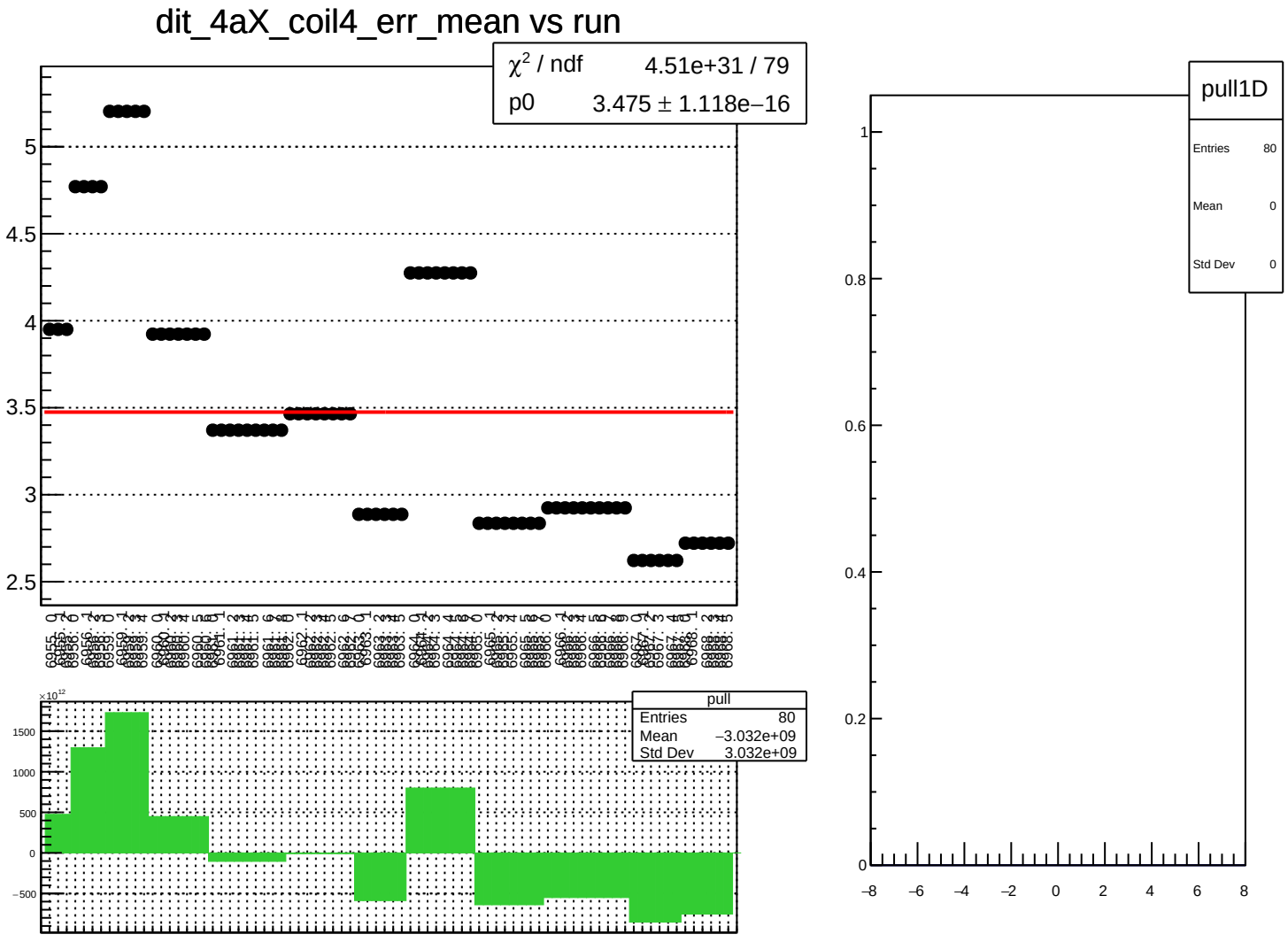

dit_sam8_coil7_err_mean vs run
χ² / ndf 3.604e+35 / 79
p0 181.2 ± 1.118e−16
300
250
200
150
100
pull
Entries 80
Mean −1.459e+09
Std Dev 1.459e+09
×10¹⁵
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

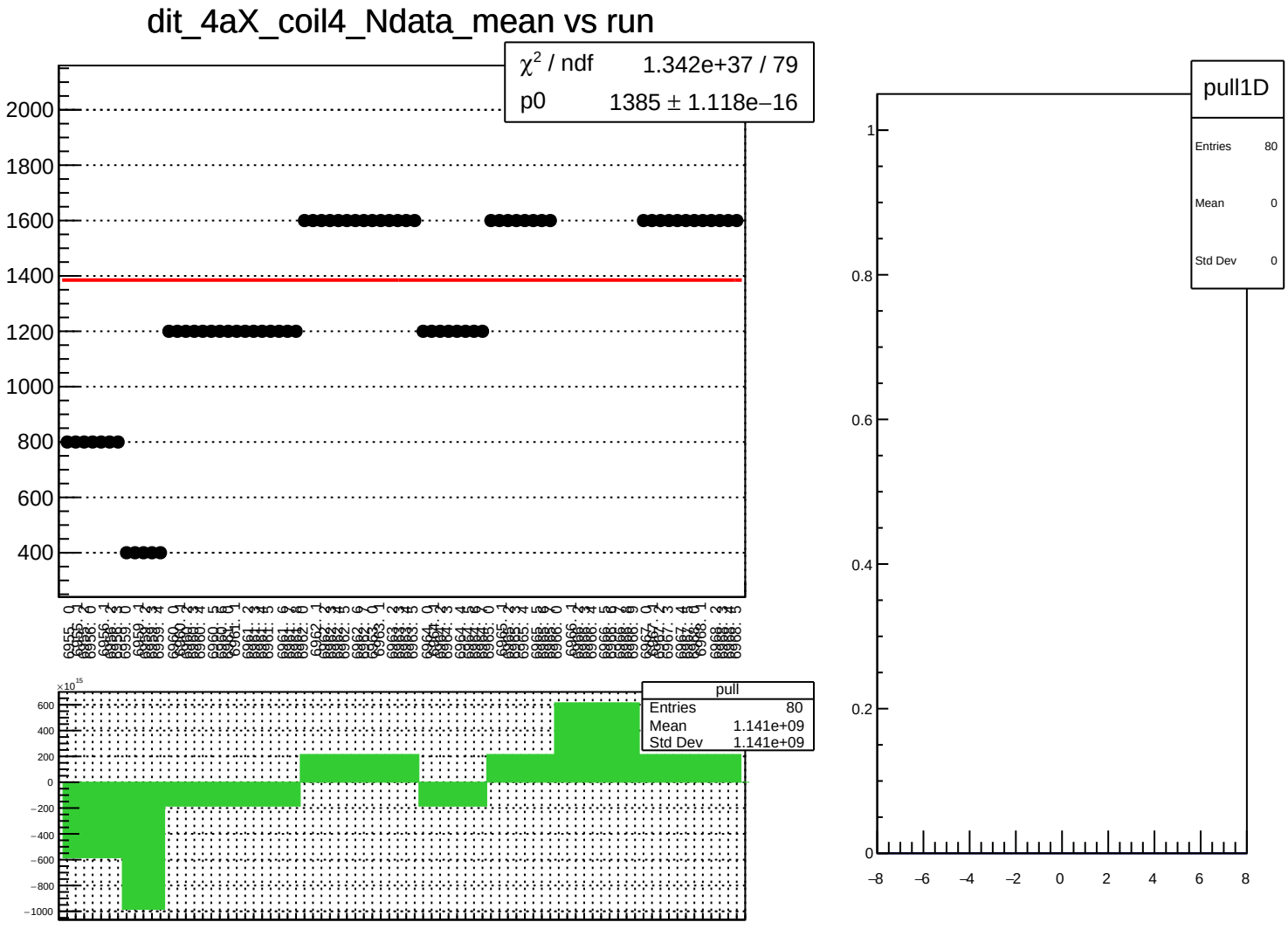

dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 1.157e+37 / 79
p0 1146 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −7.786e+08
Std Dev 7.786e+08
400
200
0
−200
−400
−600
−800


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

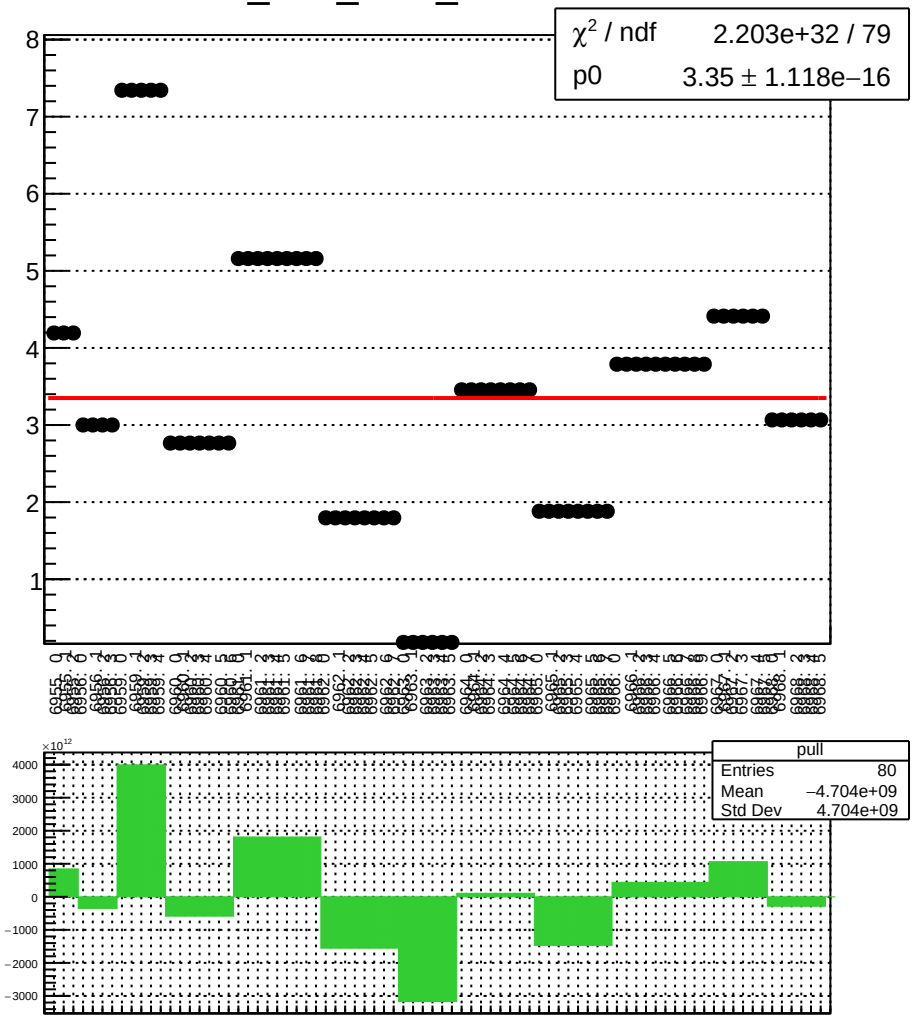

dit_4aX_coil4_mean vs run
χ² / ndf 2.033e+32 / 79
p0 −0.2525 ± 1.118e−16
pull
Entries 80
Mean −8.605e+09
Std Dev 8.605e+09

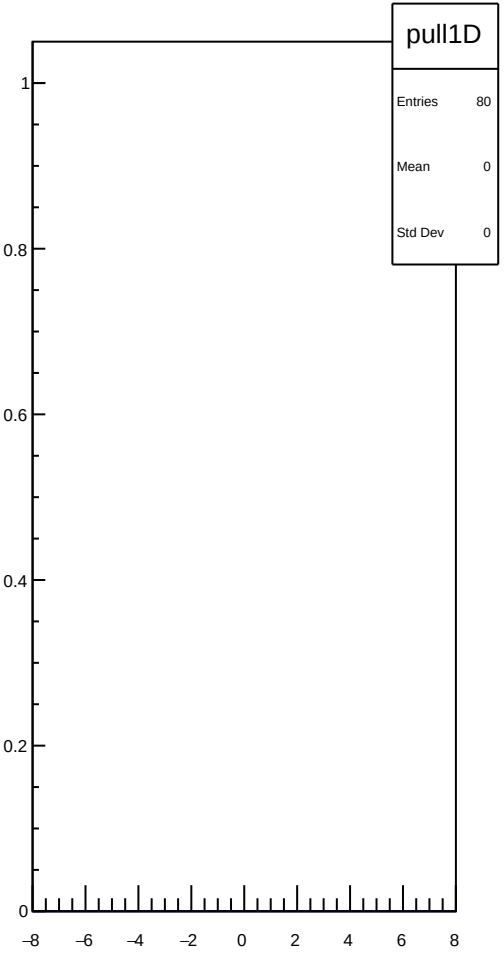

pull1D
Entries 80
Mean 0
Std Dev 0


dit_4aX_coil4_err_mean vs run
χ² / ndf 4.51e+31 / 79
p0 3.475 ± 1.118e−16
pull
Entries 80
Mean −3.032e+09
Std Dev 3.032e+09
pull1D
Entries 80
Mean 0
Std Dev 0

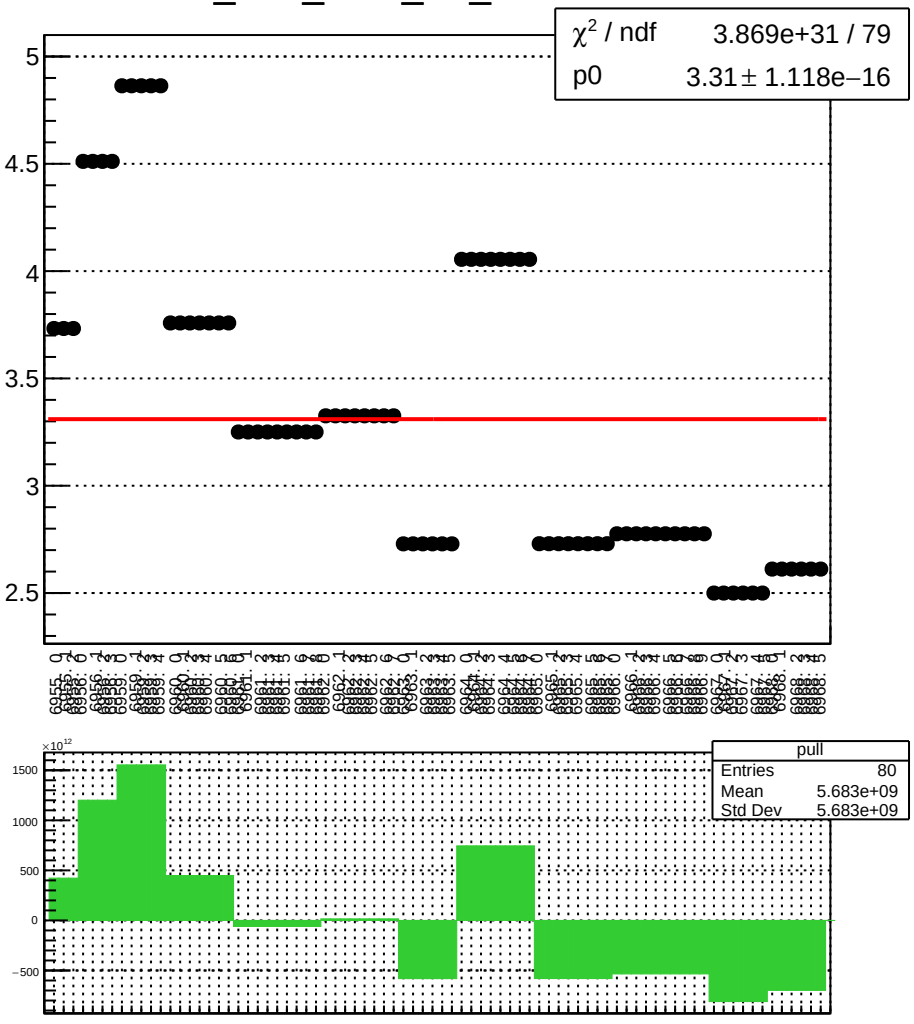

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

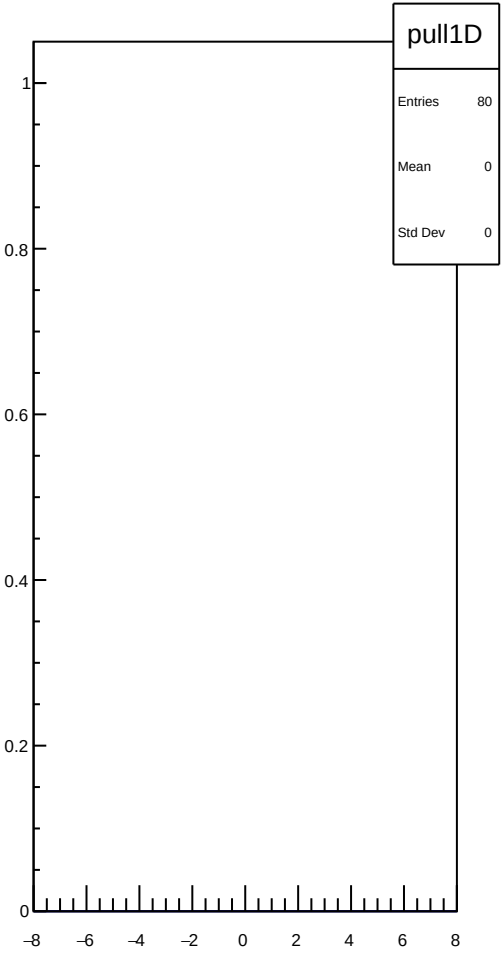
dit_4eX_coil4_mean vs run

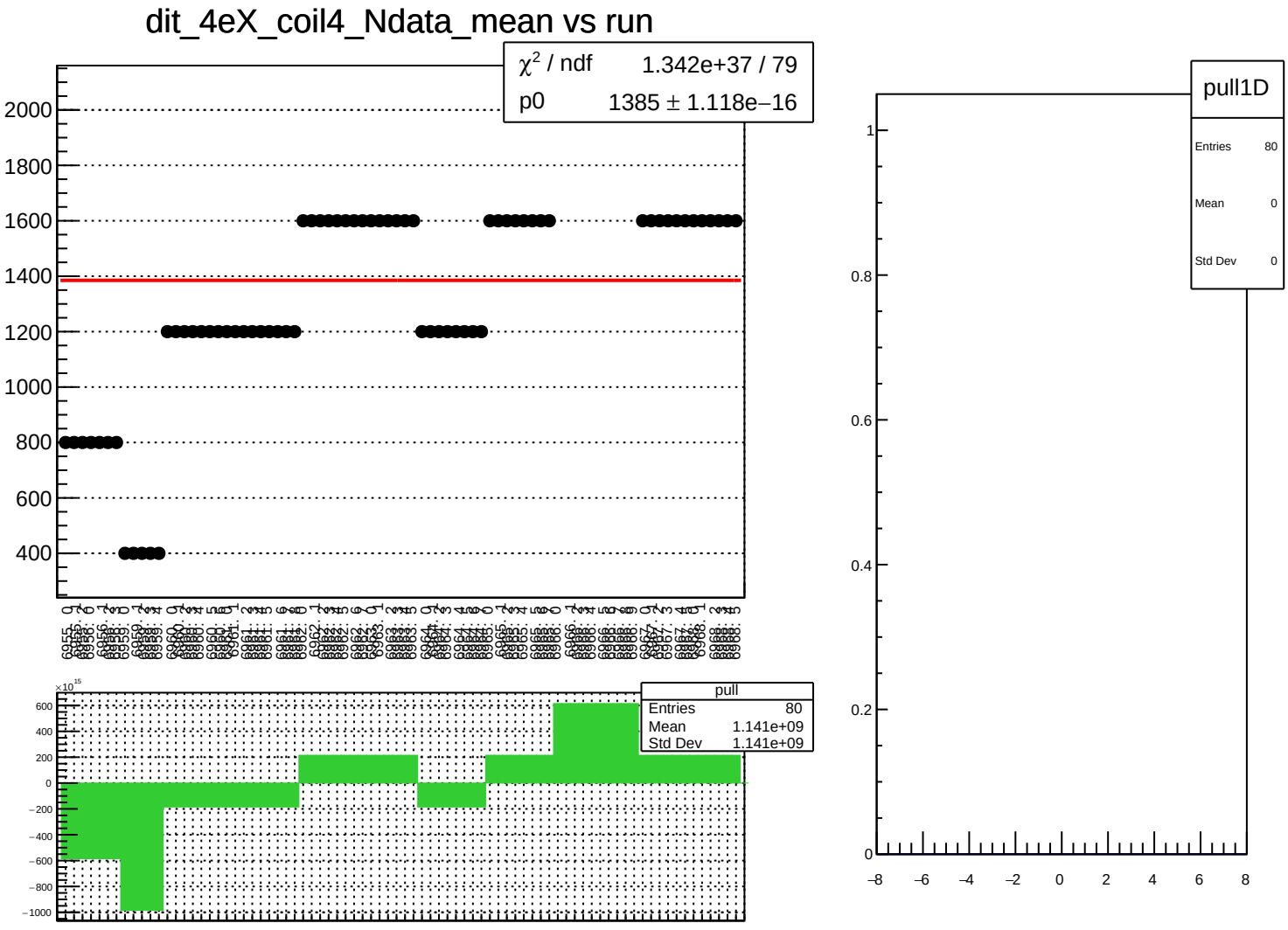




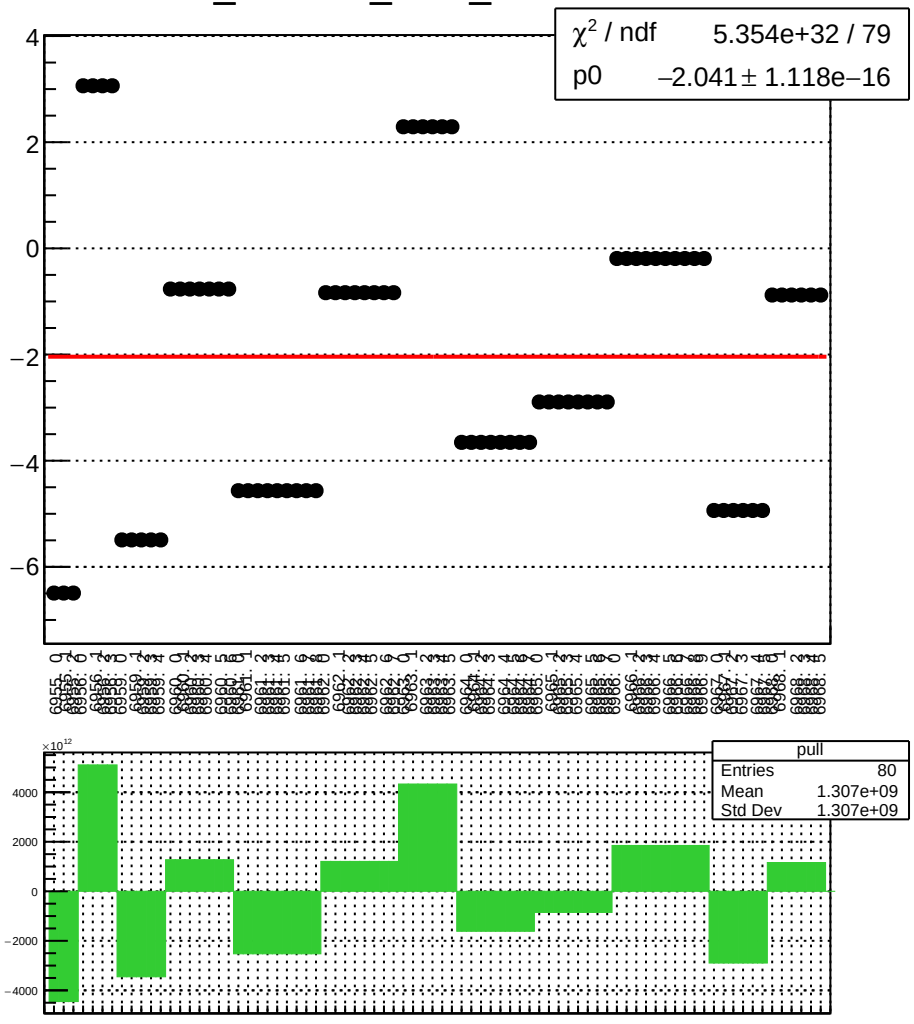
dit_4eX_coil4_err_mean vs run

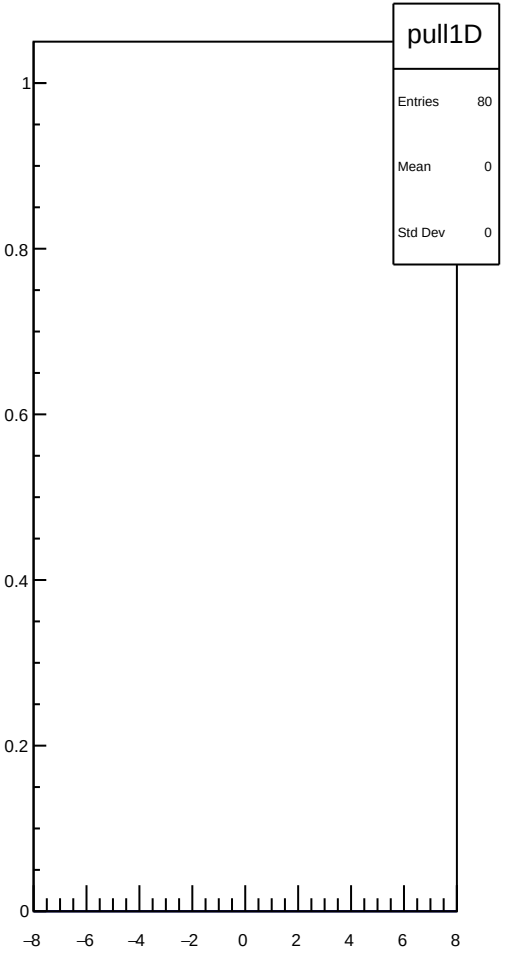




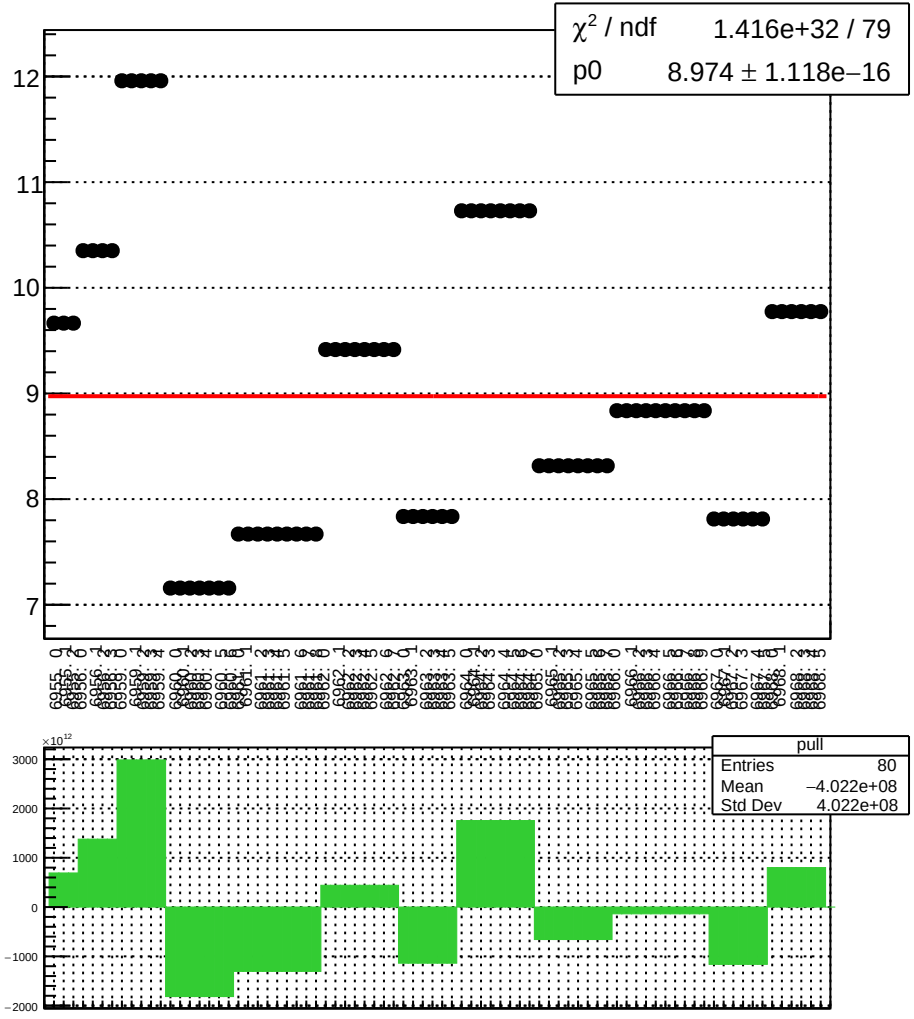

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

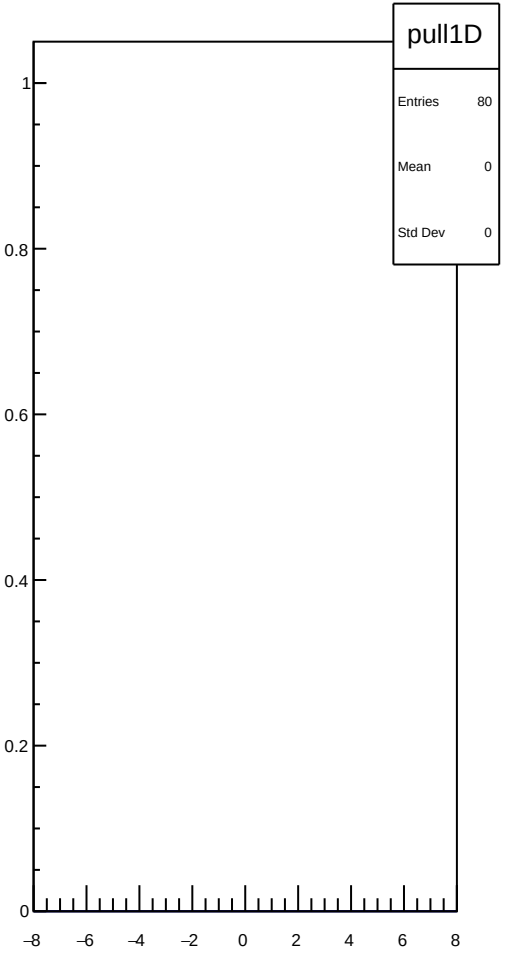
dit_11X12X_coil4_mean vs run



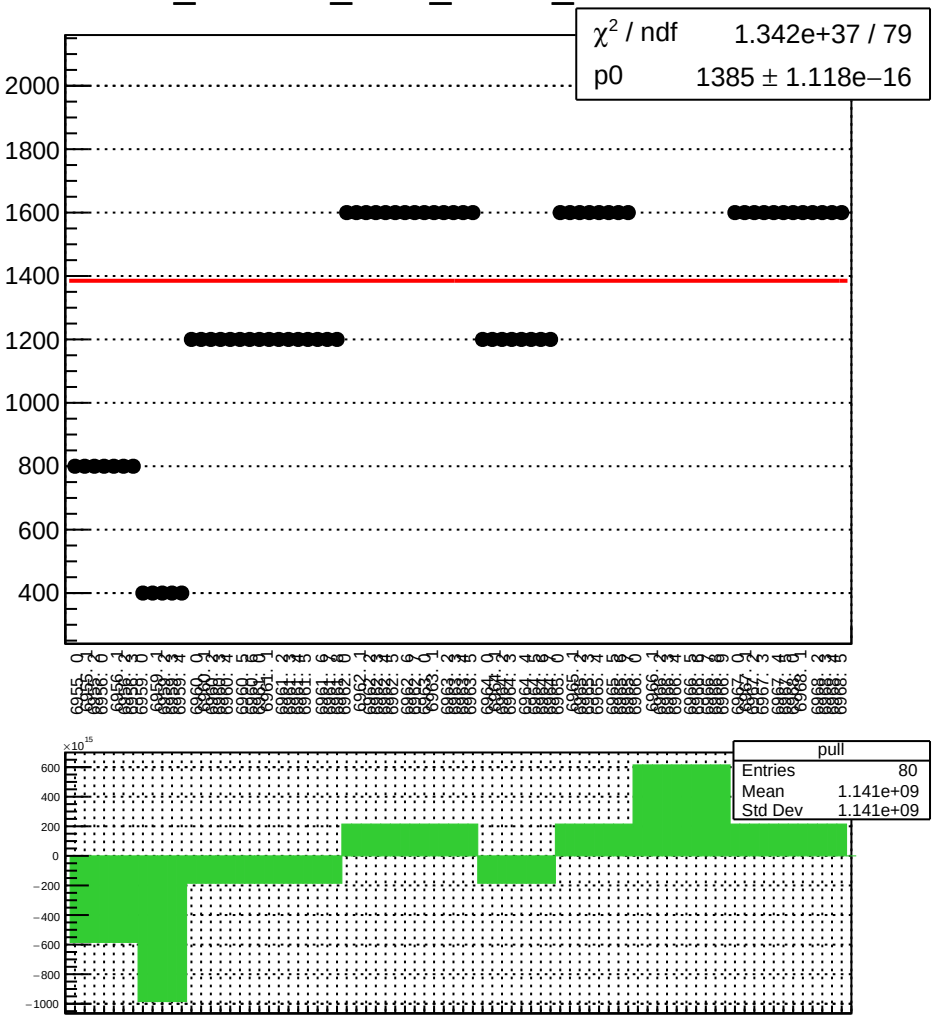


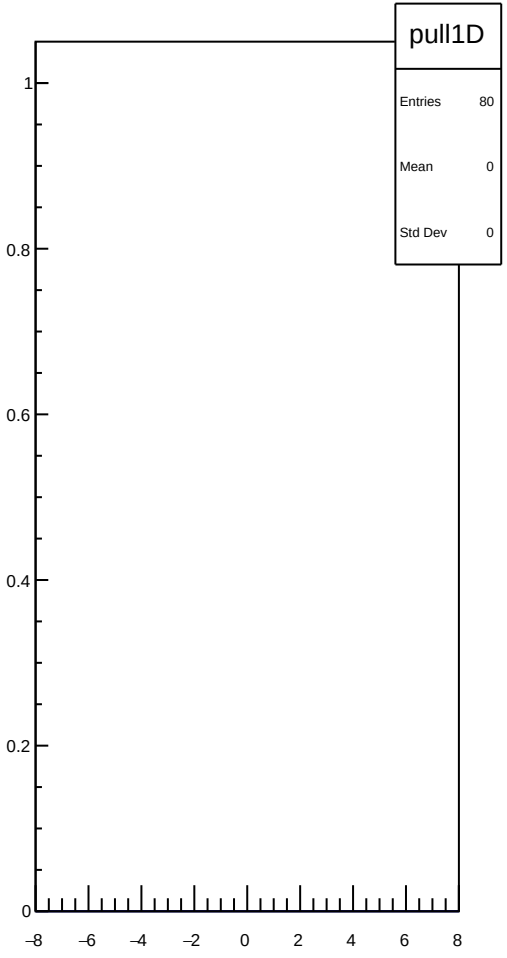
dit_11X12X_coil4_err_mean vs run

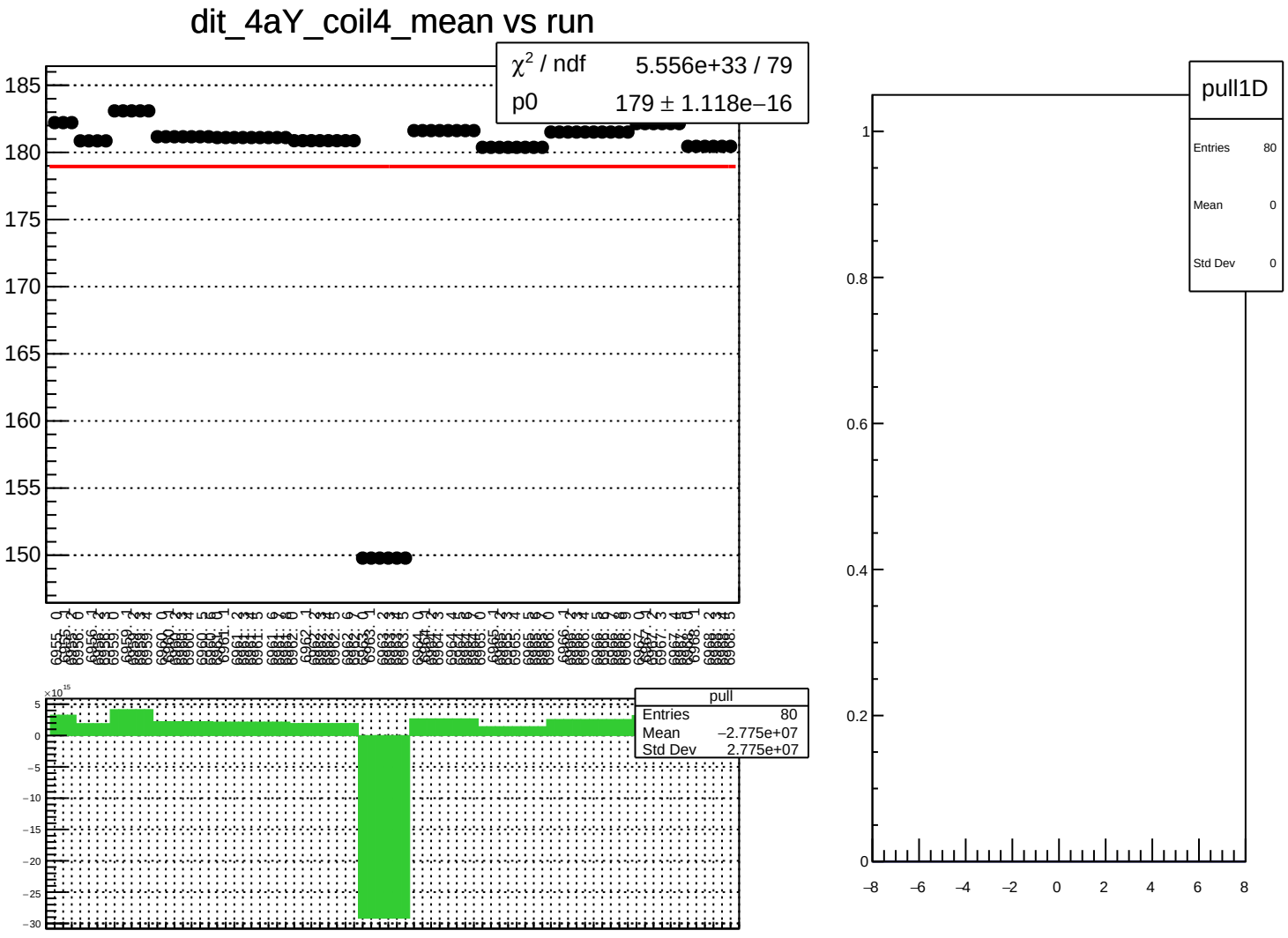


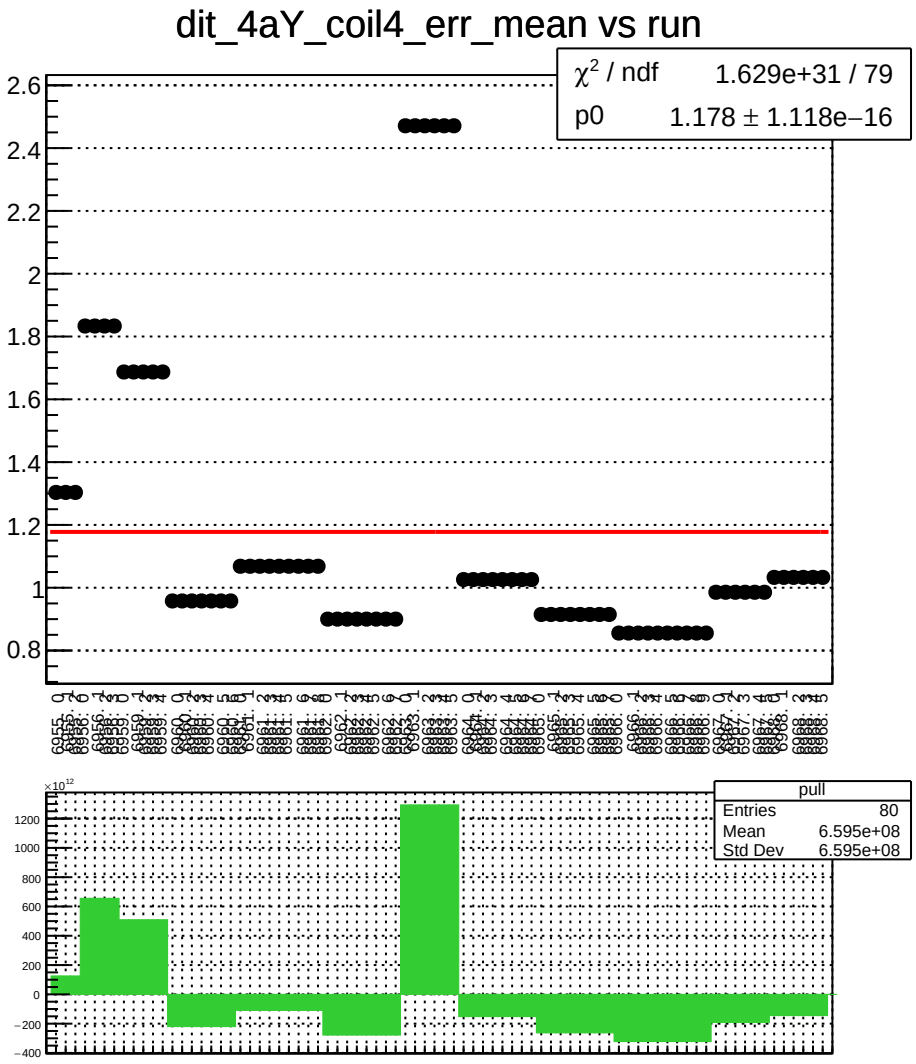


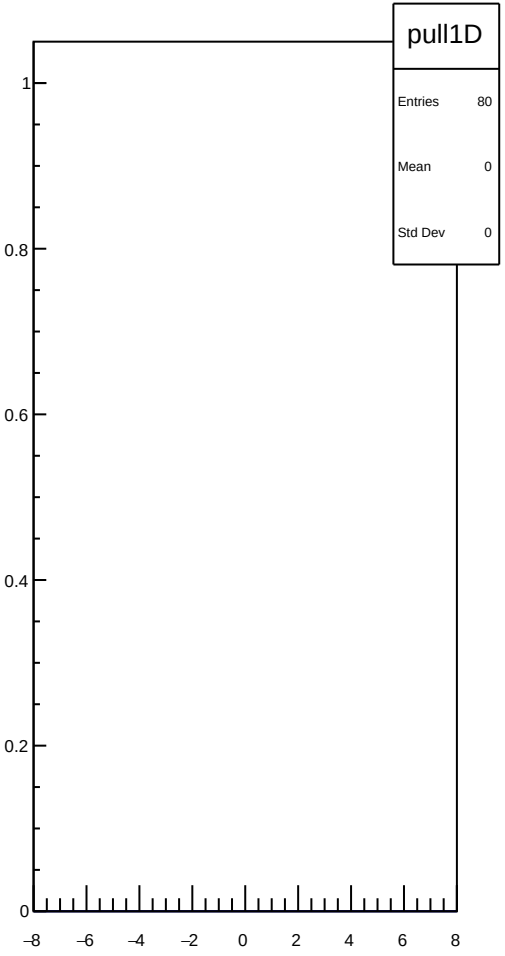
dit_11X12X_coil4_Ndata_mean vs run

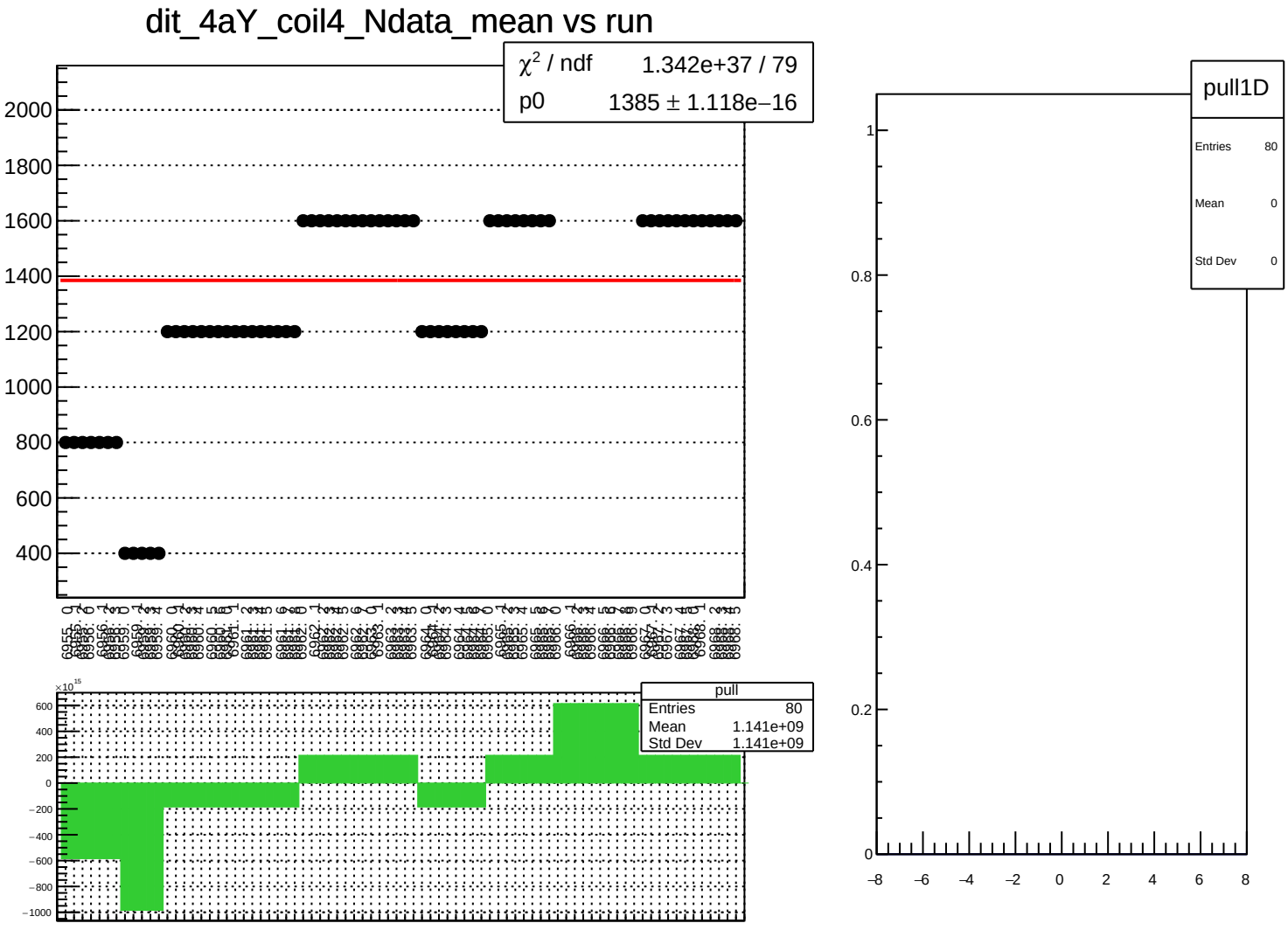


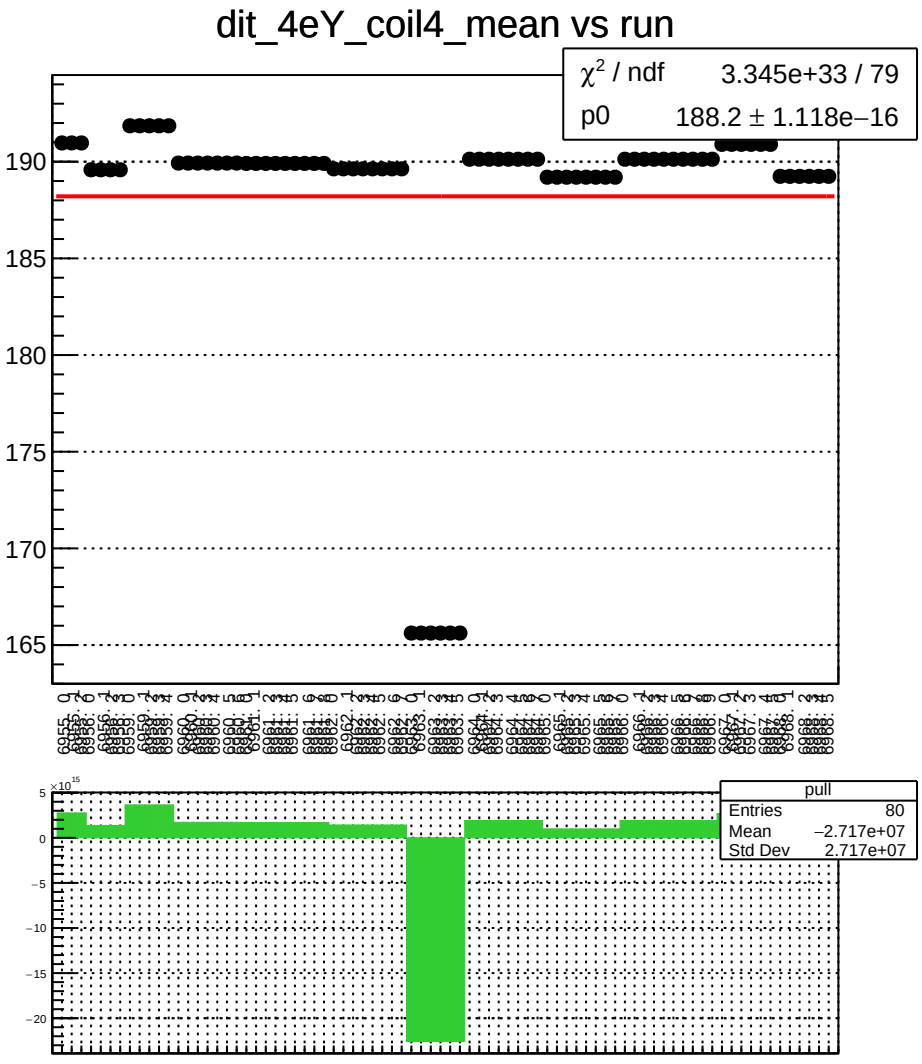


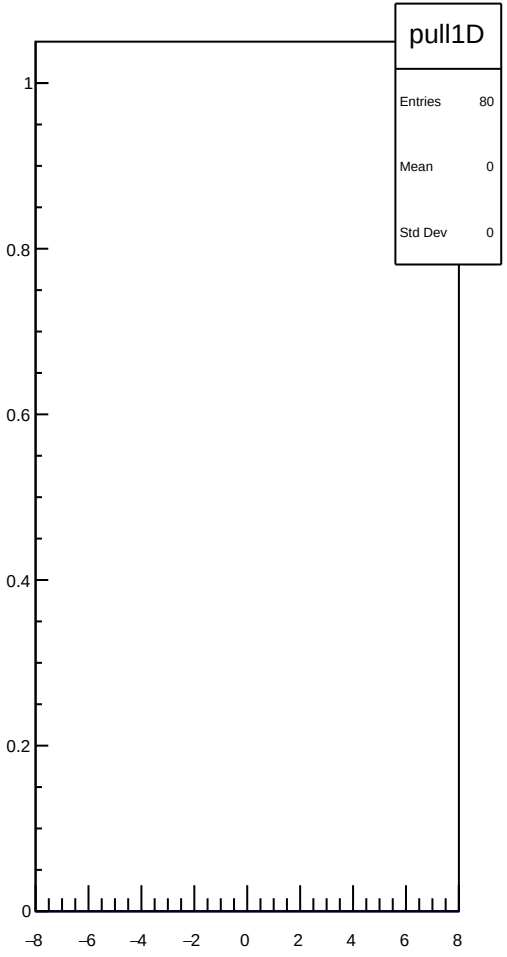

dit_4aY_coil4_mean vs run
χ^2 / ndf 5.556e+33 / 79
p0 179 ± 1.118e−16
185
180
175
170
165
160
155
150
pull
Entries 80
Mean −2.775e+07
Std Dev 2.775e+07
×10^15
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

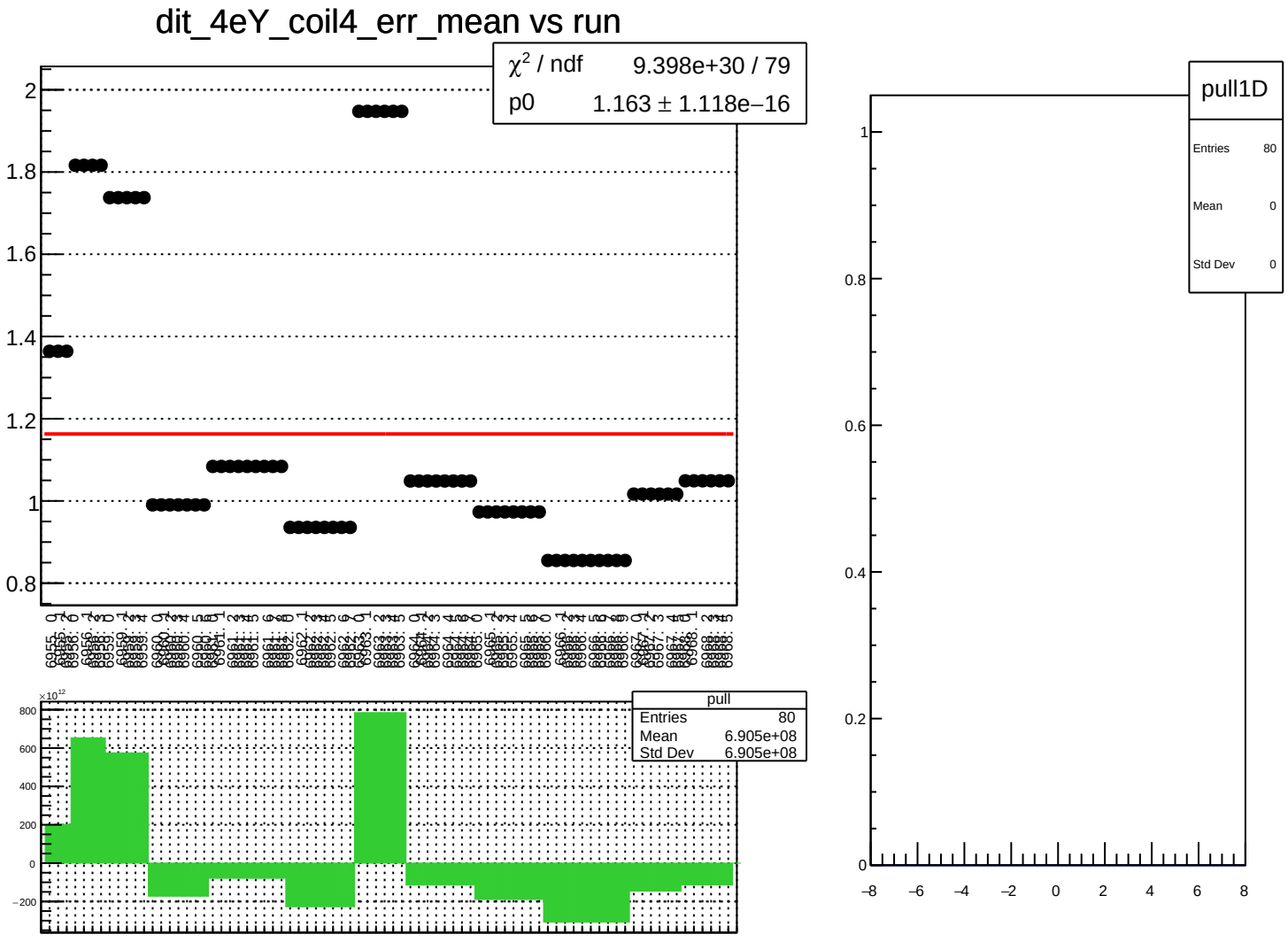

dit_4aY_coil4_err_mean vs run
χ² / ndf 1.629e+31 / 79
p0 1.178 ± 1.118e−16
pull
Entries 80
Mean 6.595e+08
Std Dev 6.595e+08

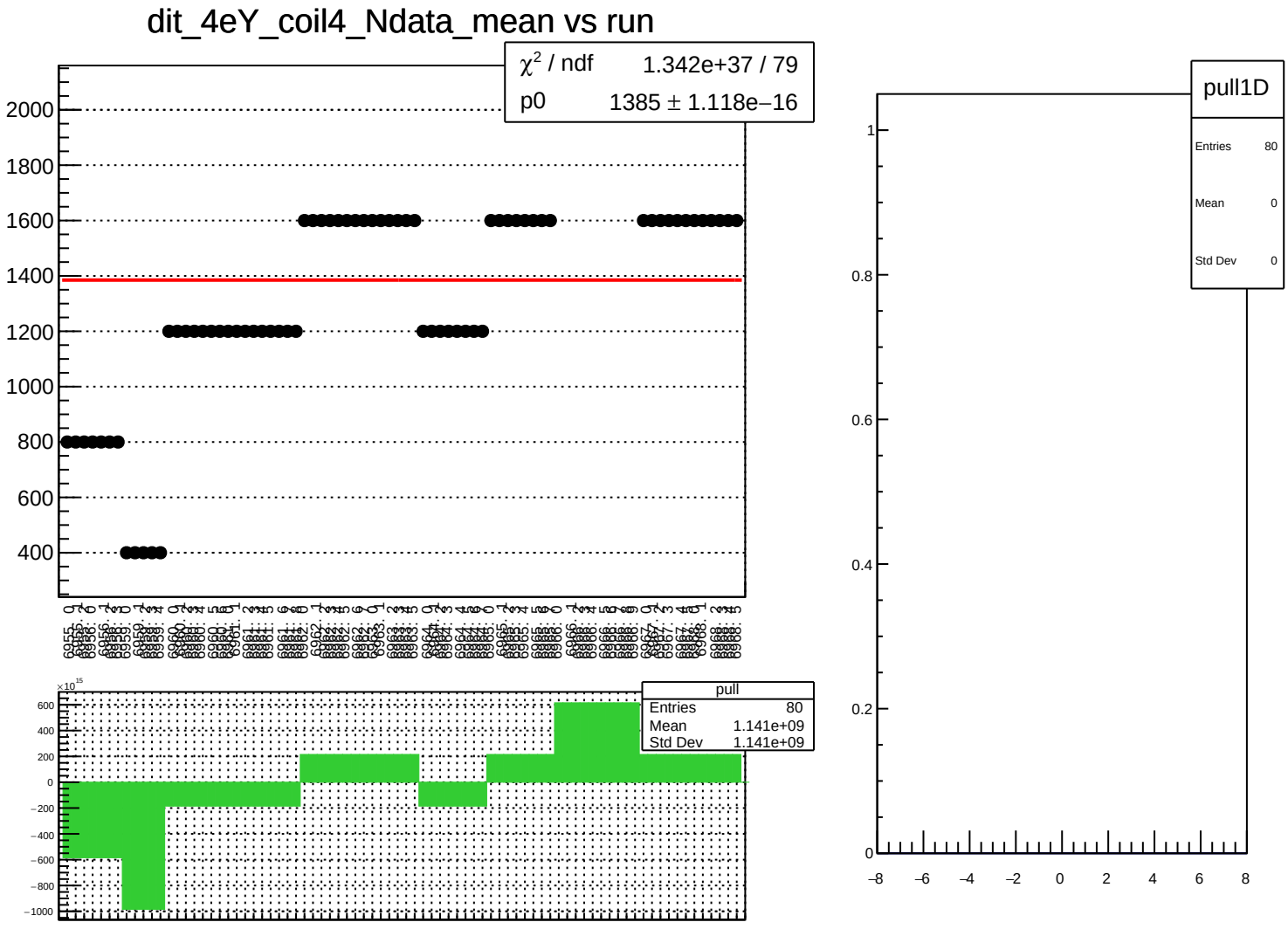

pull1D
Entries 80
Mean 0
Std Dev 0

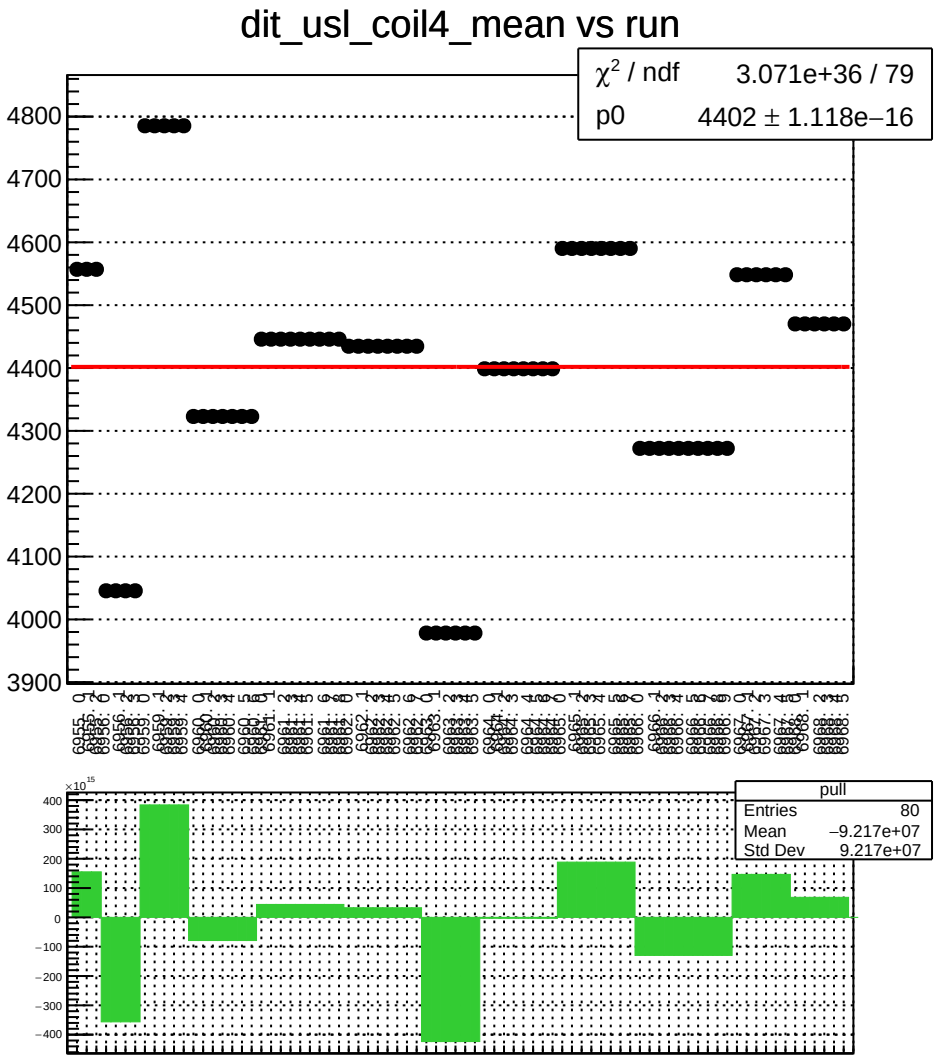

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

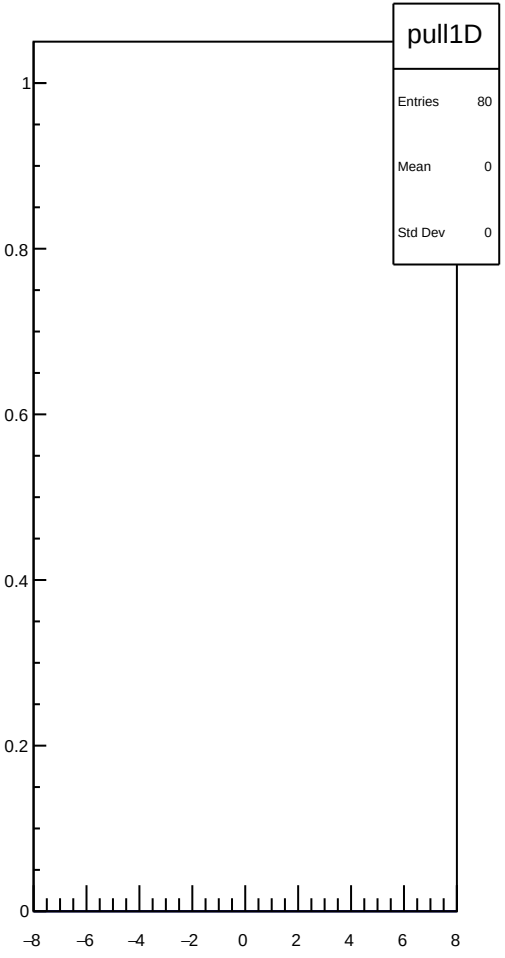

dit_4eY_coil4_mean vs run
χ² / ndf 3.345e+33 / 79
p0 188.2 ± 1.118e−16
190
185
180
175
170
165
pull
Entries 80
Mean −2.717e+07
Std Dev 2.717e+07
×10¹⁵
5
0
−5
−10
−15
−20

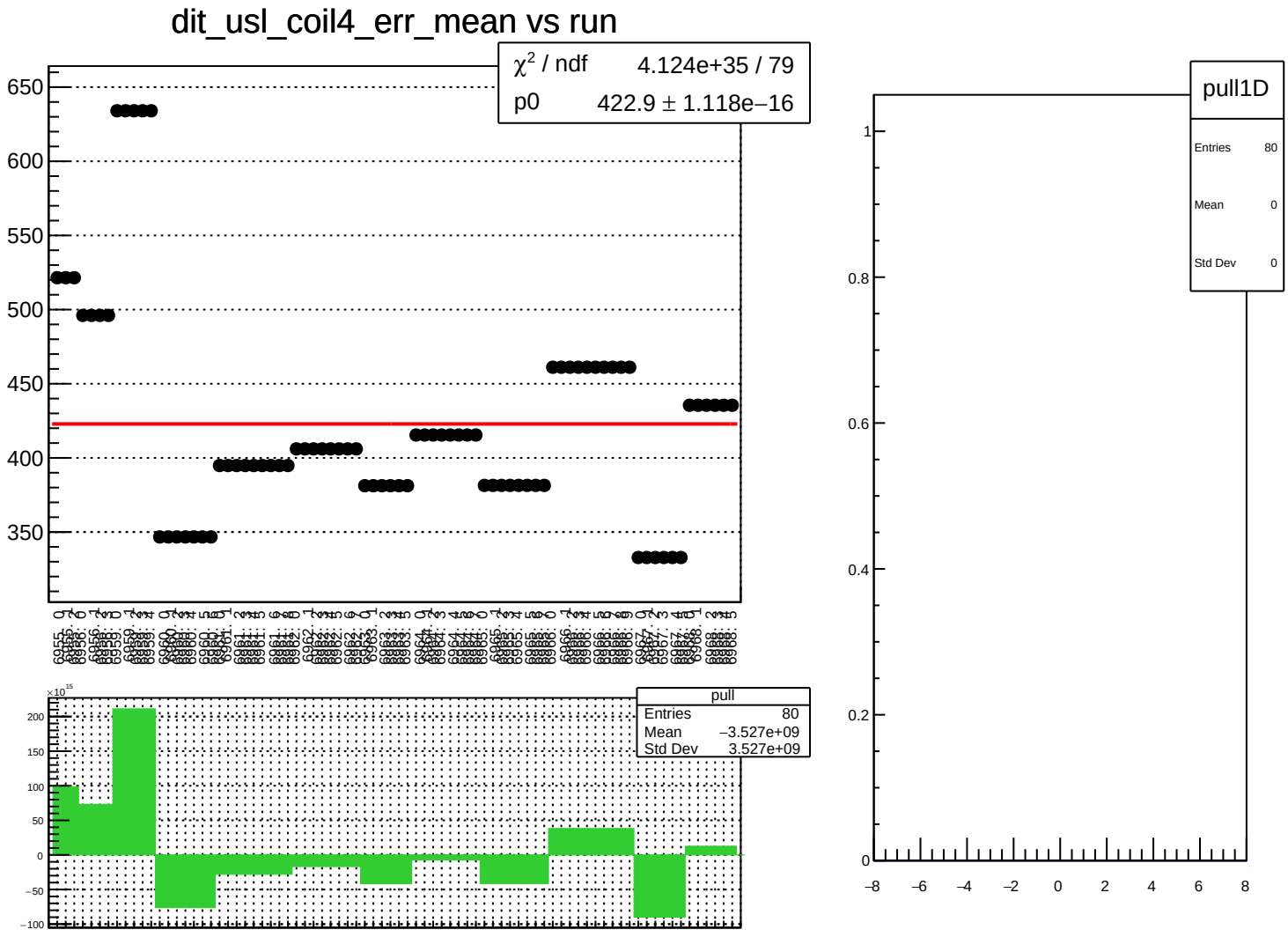

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

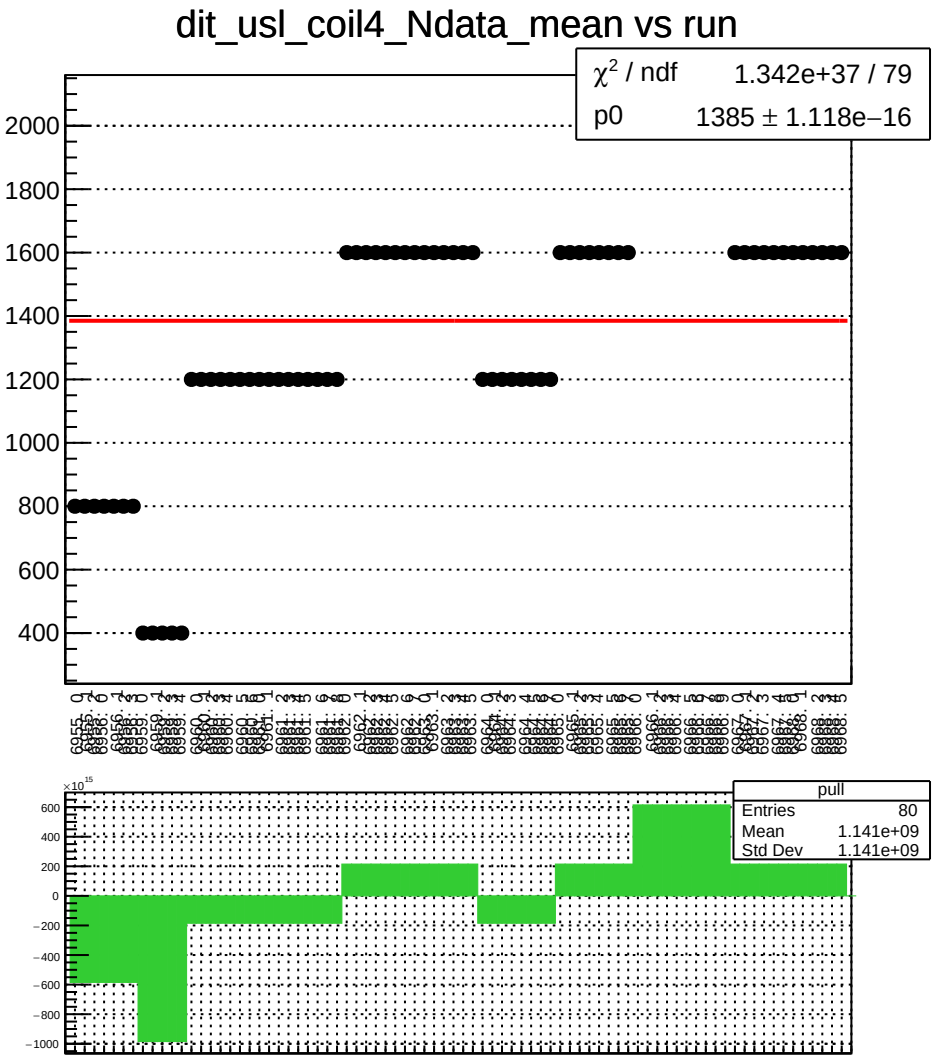

dit_4eY_coil4_err_mean vs run
χ² / ndf 9.398e+30 / 79
p0 1.163 ± 1.118e−16
pull
Entries 80
Mean 6.905e+08
Std Dev 6.905e+08
pull1D
Entries 80
Mean 0
Std Dev 0

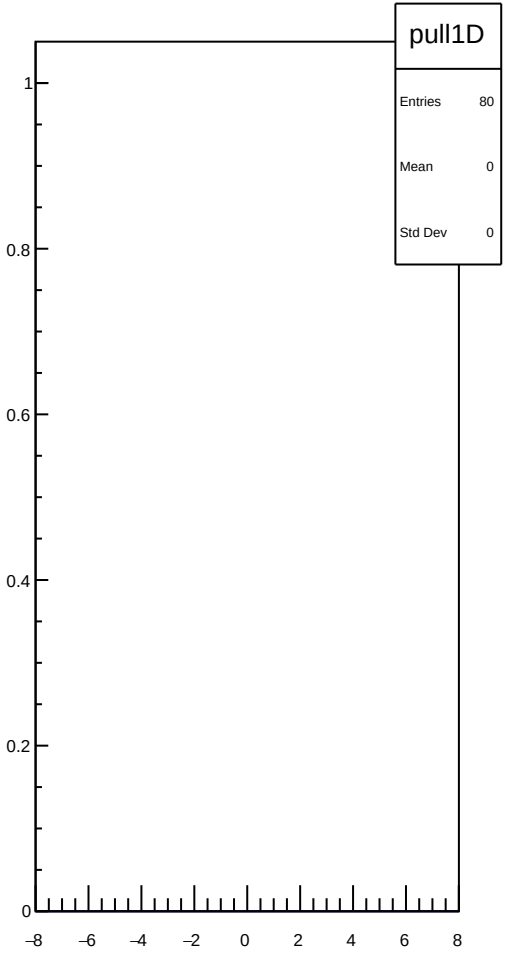

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

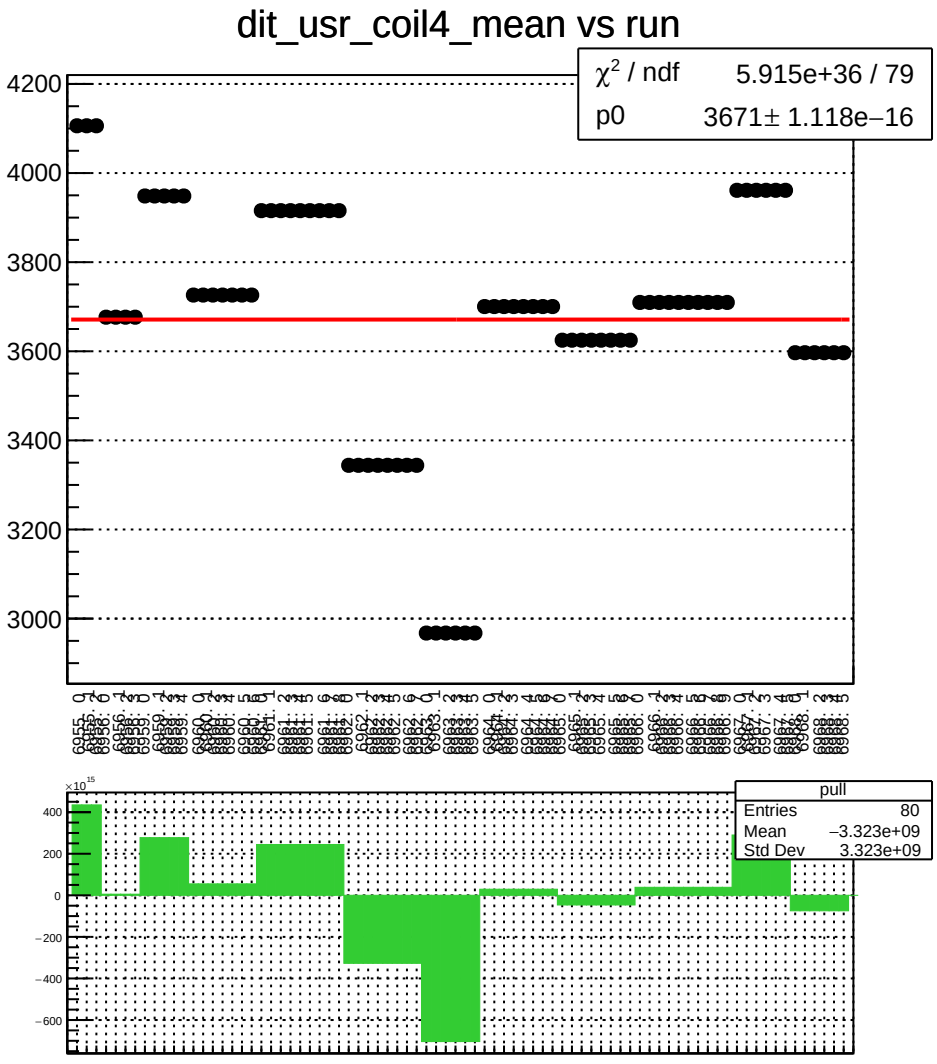

dit_usl_coil4_mean vs run
χ² / ndf 3.071e+36 / 79
p0 4402 ± 1.118e−16
pull
Entries 80
Mean −9.217e+07
Std Dev 9.217e+07

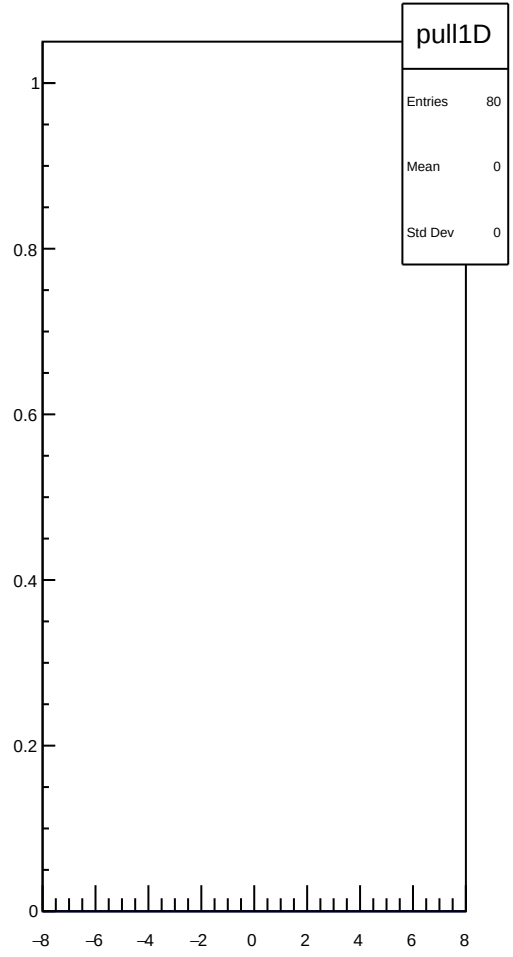

pull1D
Entries 80
Mean 0
Std Dev 0

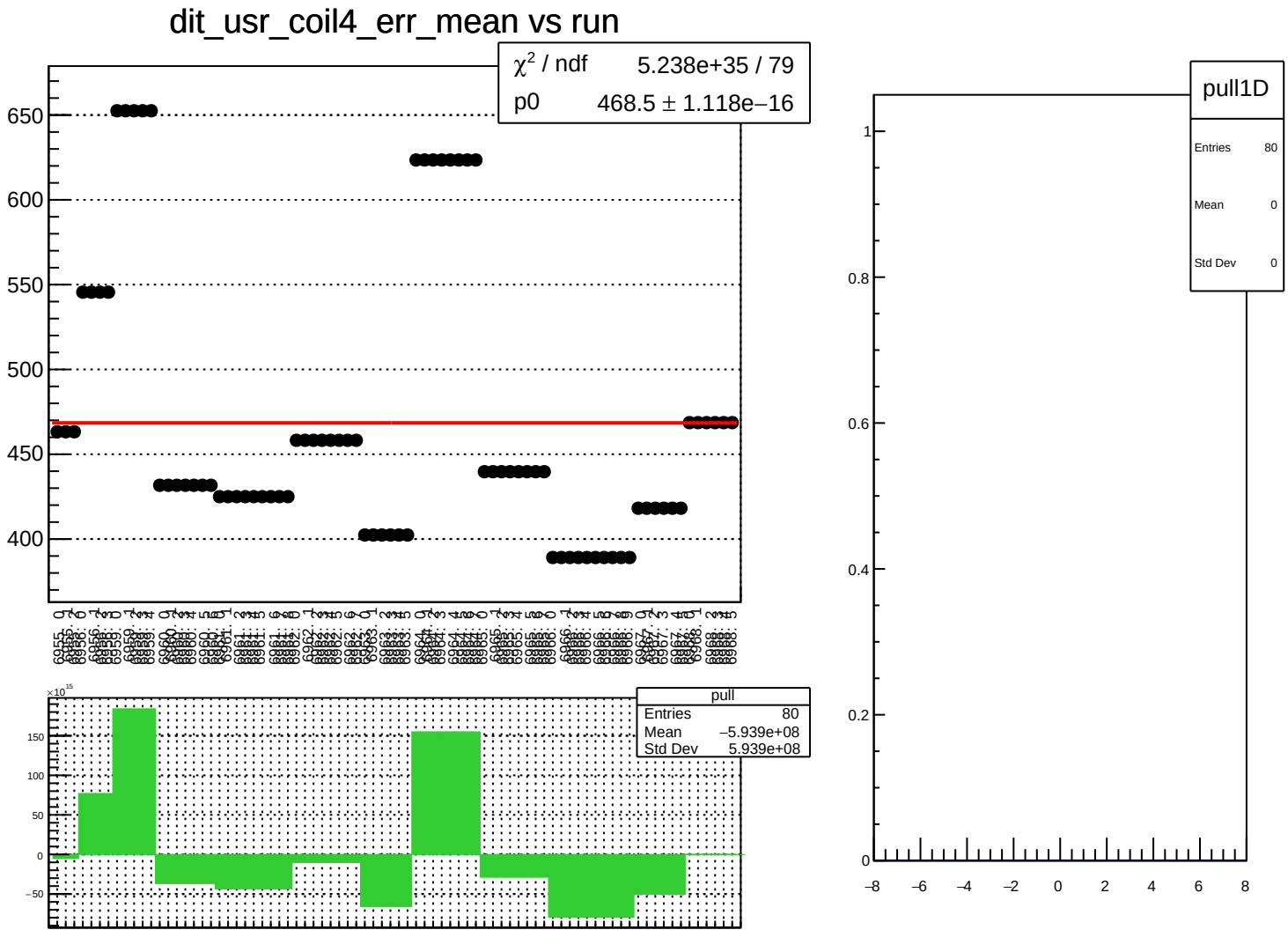

dit_usl_coil4_err_mean vs run
χ² / ndf 4.124e+35 / 79
p0 422.9 ± 1.118e−16
650
600
550
500
450
400
350
pull
Entries 80
Mean −3.527e+09
Std Dev 3.527e+09
×10¹⁵
200
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

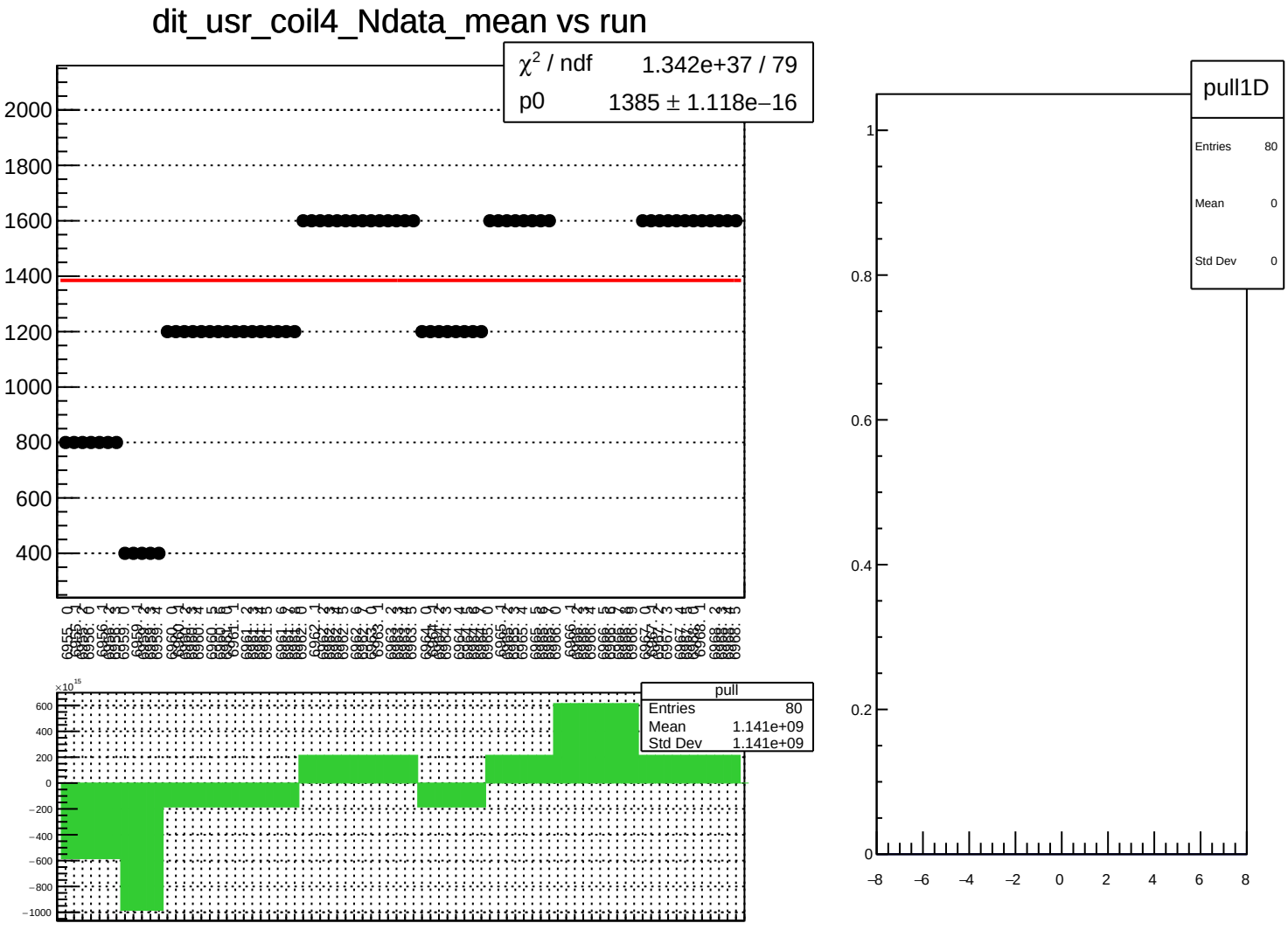

dit_usl_coil4_Ndata_mean vs run
χ^2 / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000

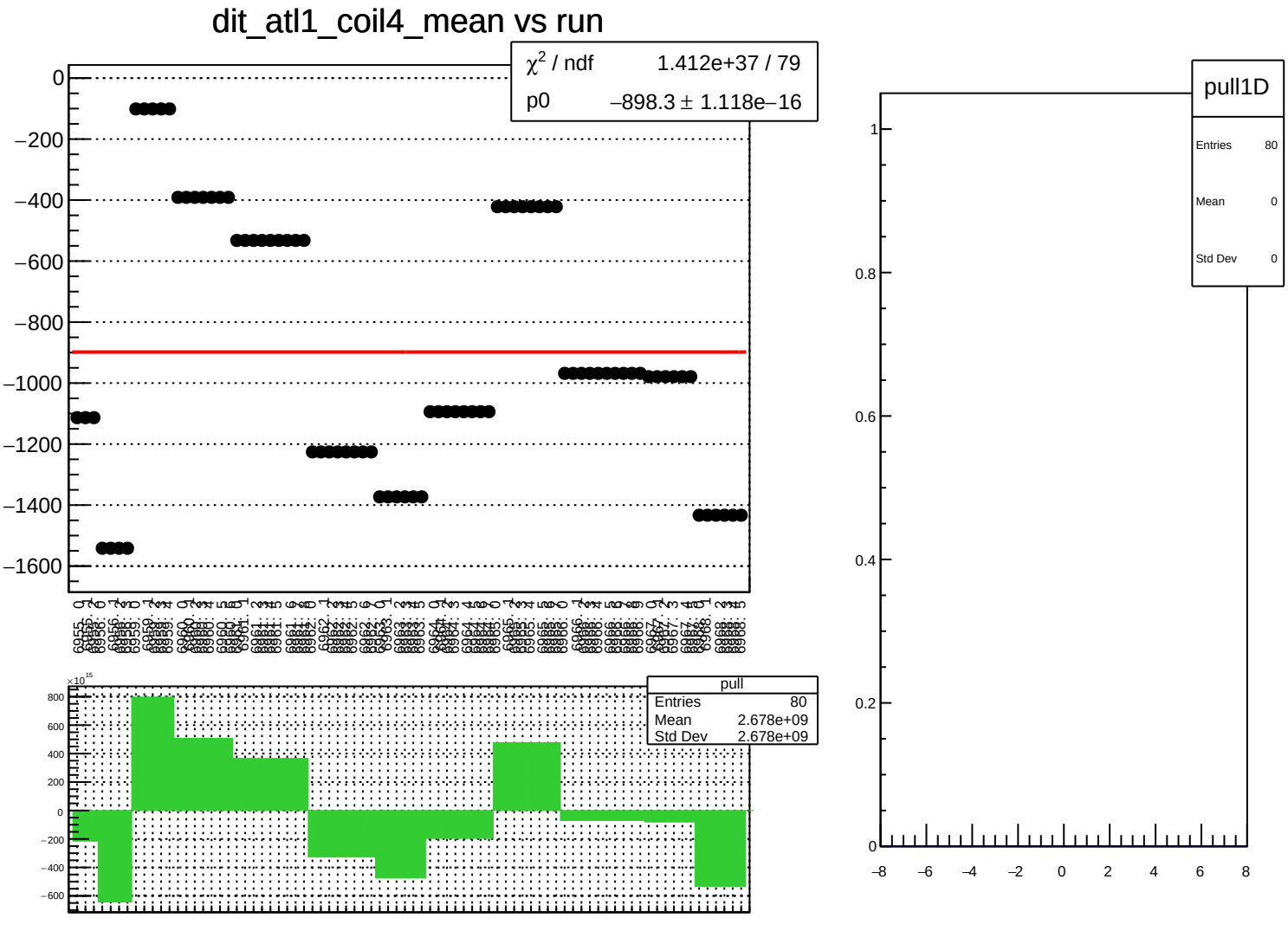

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

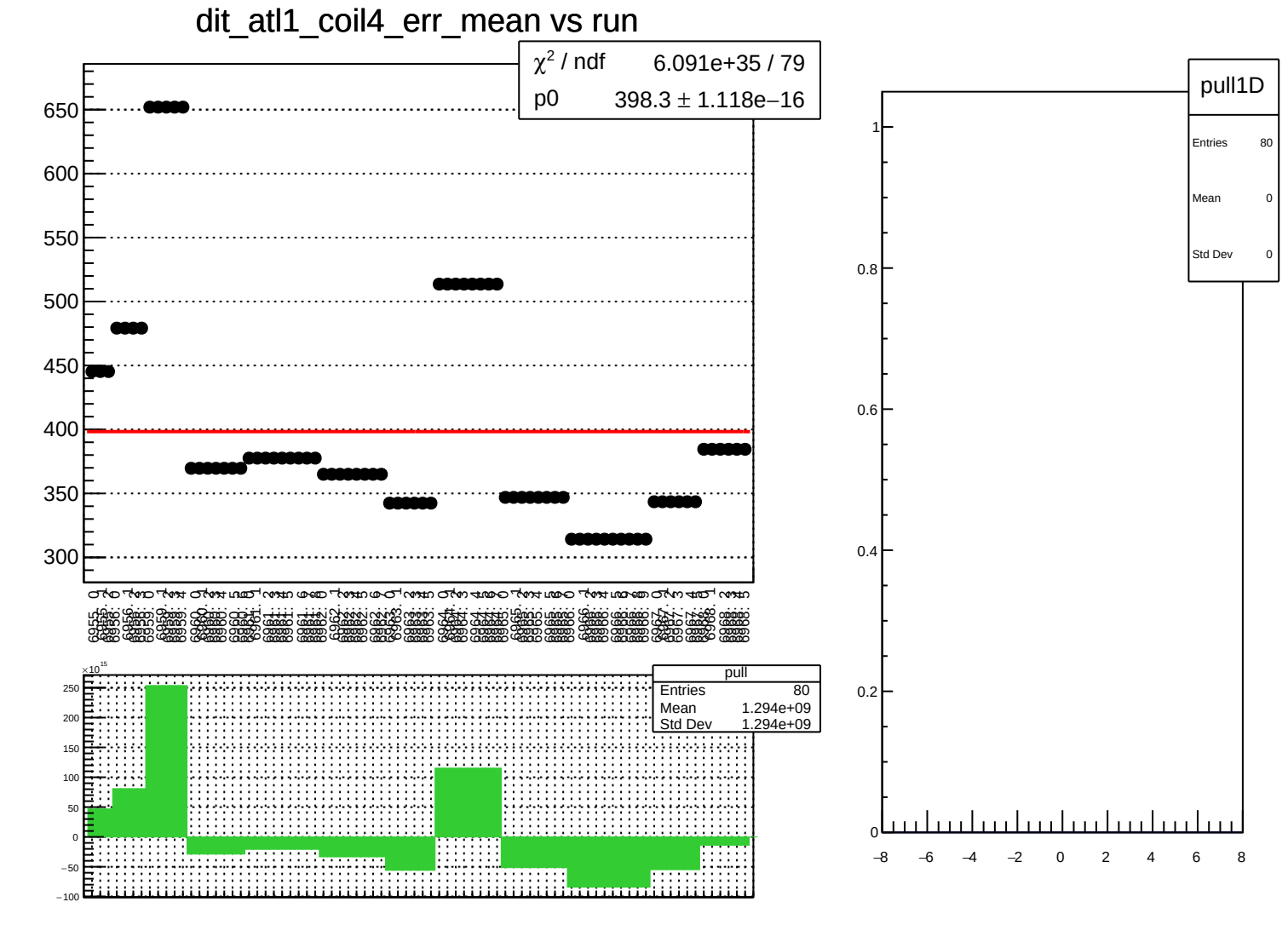

dit_usr_coil4_mean vs run
χ² / ndf 5.915e+36 / 79
p0 3671± 1.118e−16
4200
4000
3800
3600
3400
3200
3000
pull
Entries 80
Mean −3.323e+09
Std Dev 3.323e+09
×10^15
400
200
0
−200
−400
−600


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

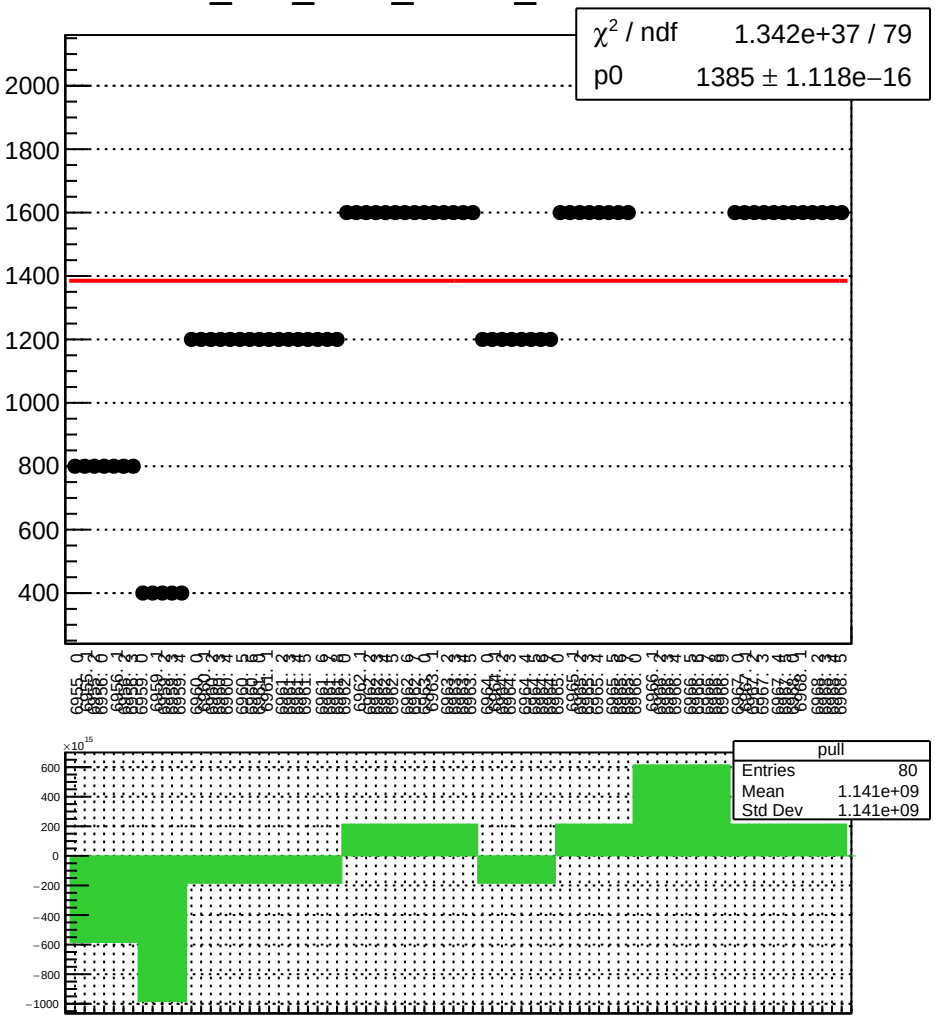

dit_usr_coil4_err_mean vs run
χ² / ndf 5.238e+35 / 79
p0 468.5 ± 1.118e−16
650
600
550
500
450
400
pull
Entries 80
Mean −5.939e+08
Std Dev 5.939e+08
×10¹⁵
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

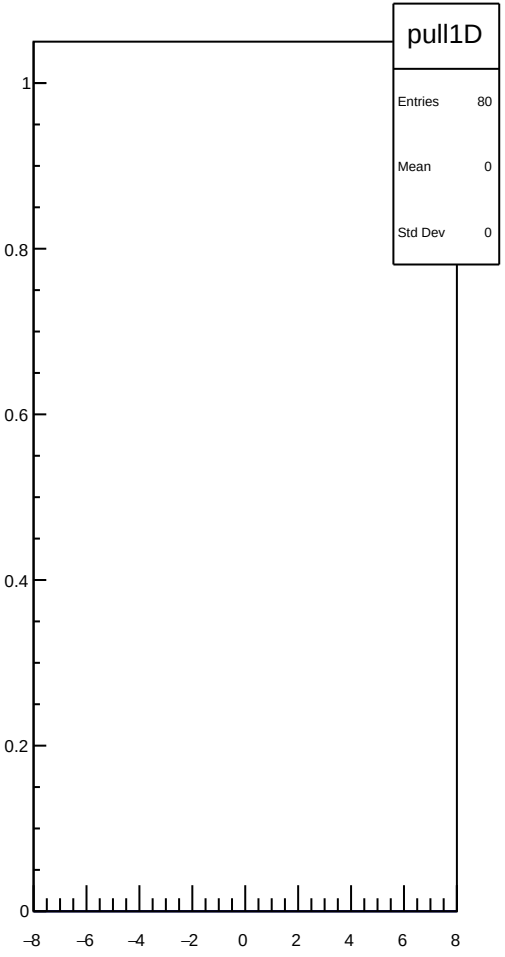

dit_usr_coil4_Ndata_mean vs run
χ^2 / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

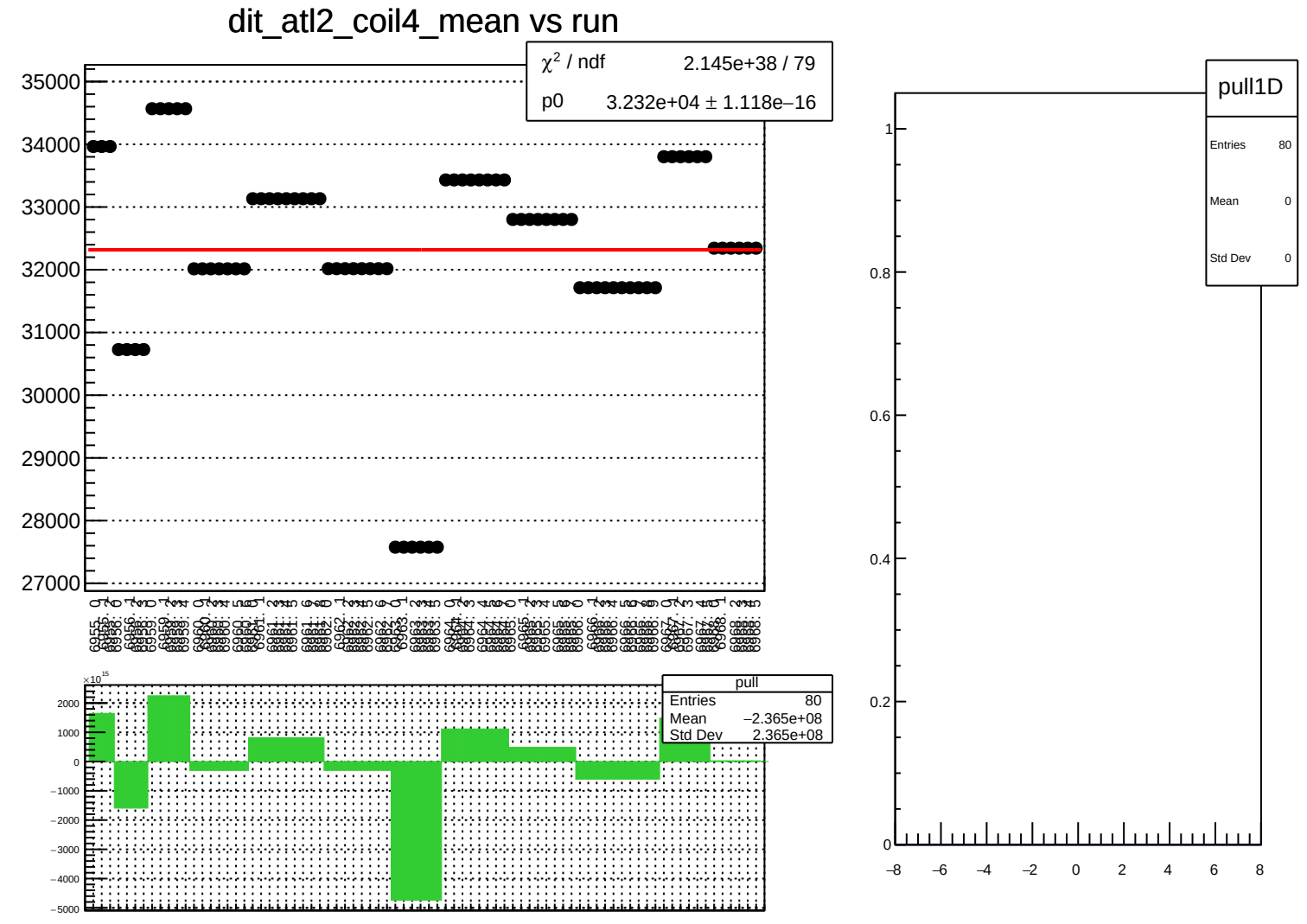

dit_atl1_coil4_mean vs run
χ² / ndf 1.412e+37 / 79
p0 −898.3 ± 1.118e−16
pull
Entries 80
Mean 2.678e+09
Std Dev 2.678e+09
pull1D
Entries 80
Mean 0
Std Dev 0

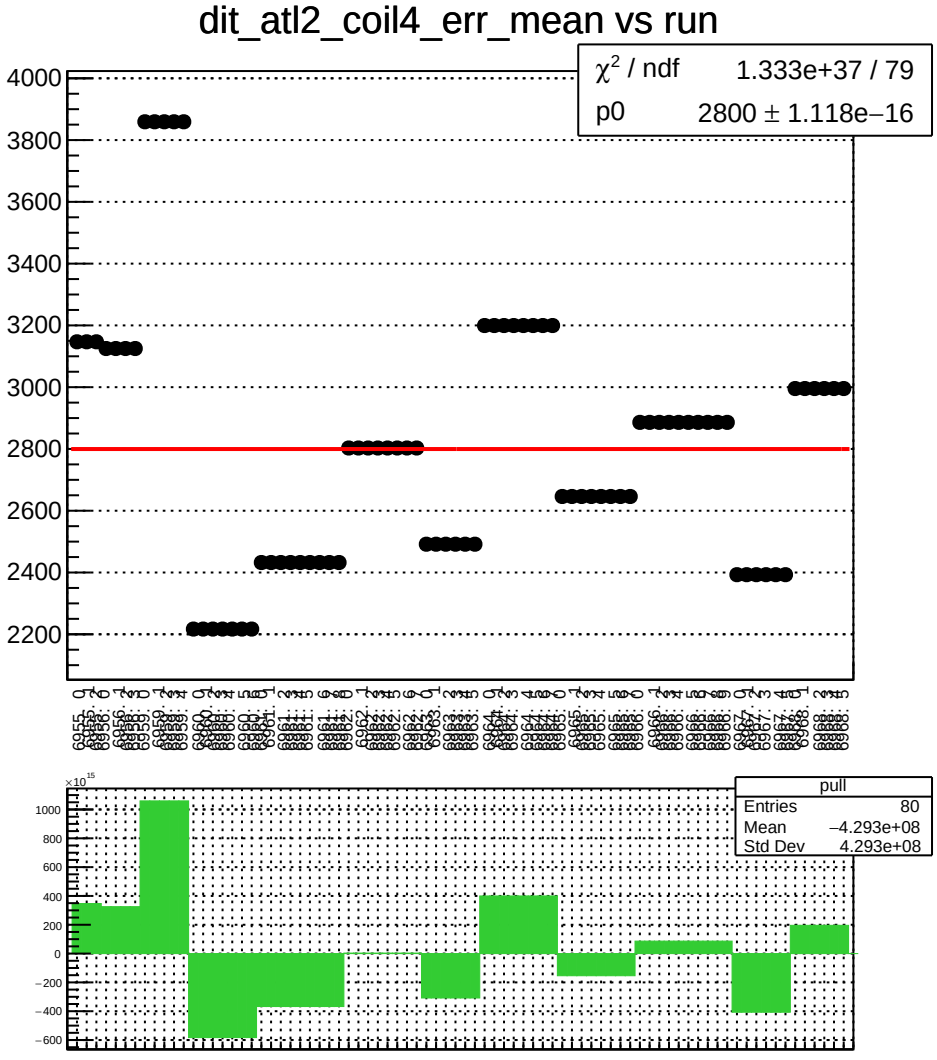

dit_atl1_coil4_err_mean vs run
χ² / ndf 6.091e+35 / 79
p0 398.3 ± 1.118e−16
pull
Entries 80
Mean 1.294e+09
Std Dev 1.294e+09
pull1D
Entries 80
Mean 0
Std Dev 0

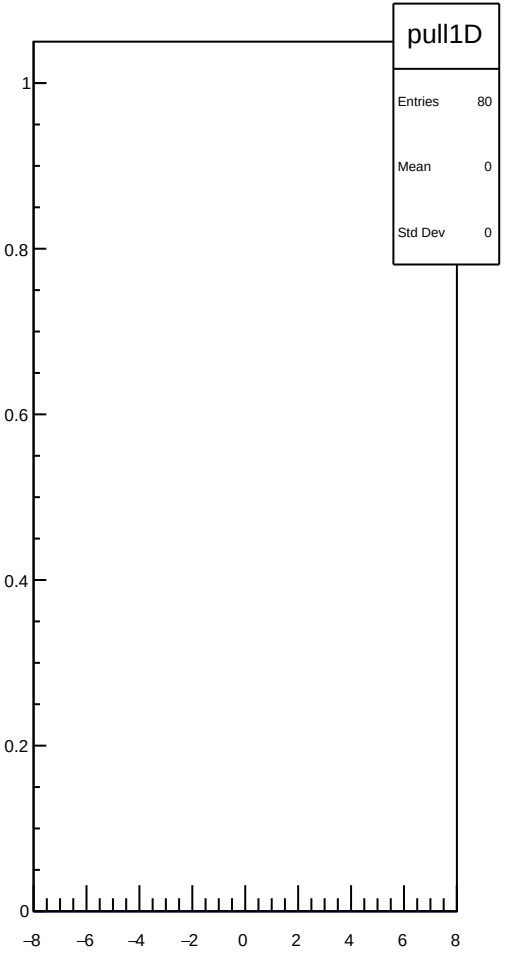
dit_atl1_coil4_Ndata_mean vs run



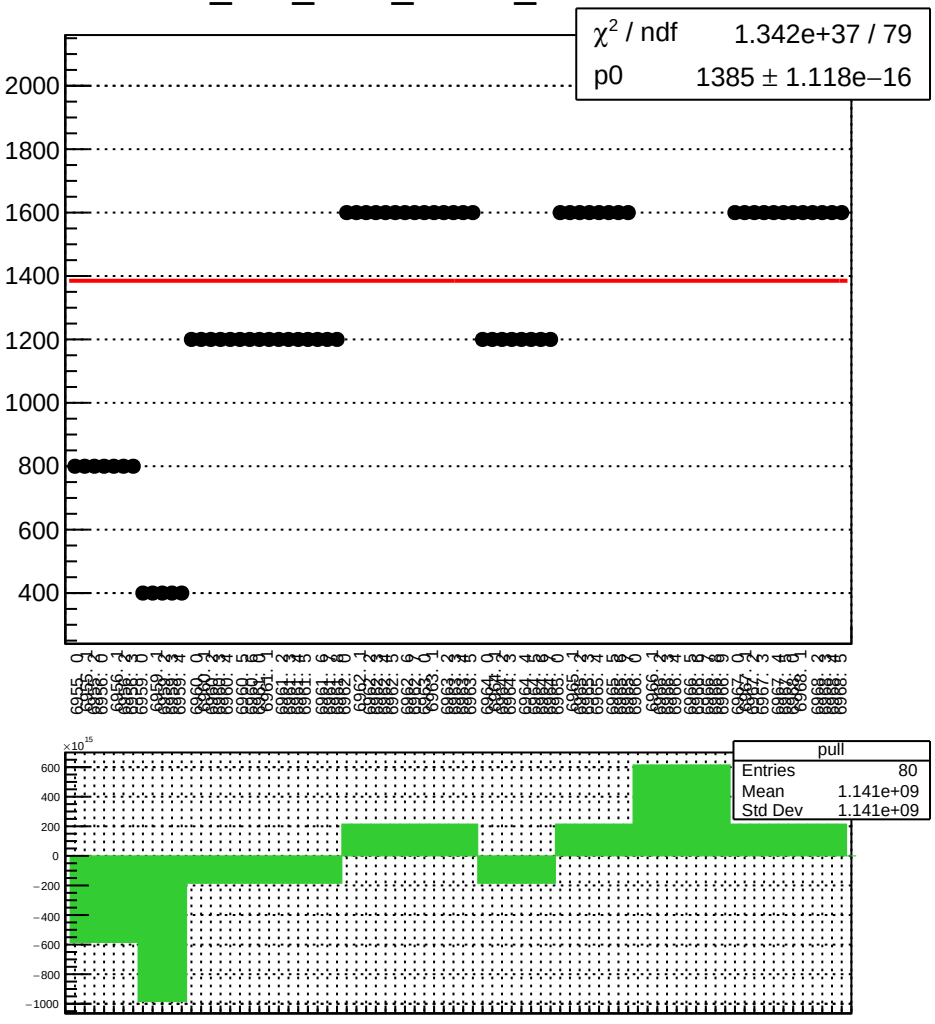


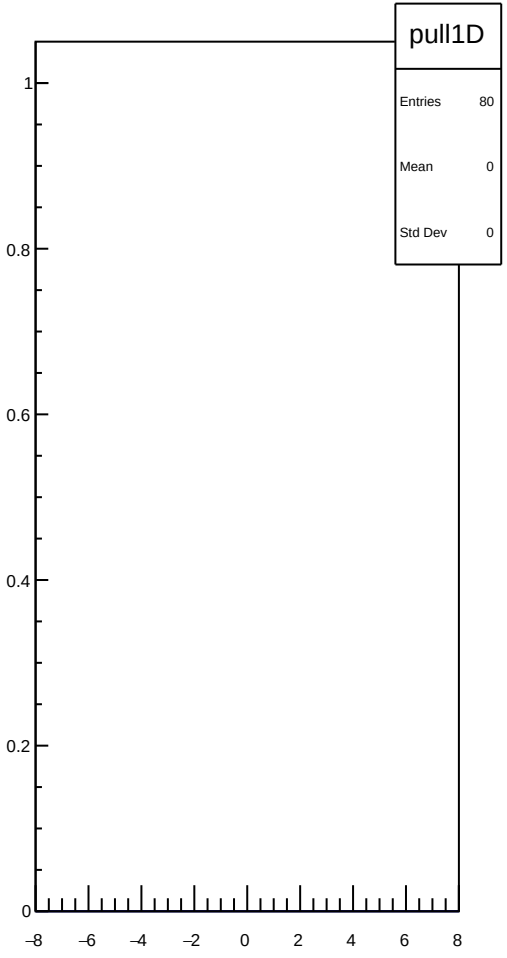

dit_atl2_coil4_mean vs run
χ² / ndf 2.145e+38 / 79
p0 3.232e+04 ± 1.118e−16
35000
34000
33000
32000
31000
30000
29000
28000
27000
pull
Entries 80
Mean −2.365e+08
Std Dev 2.365e+08
×10¹⁵
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

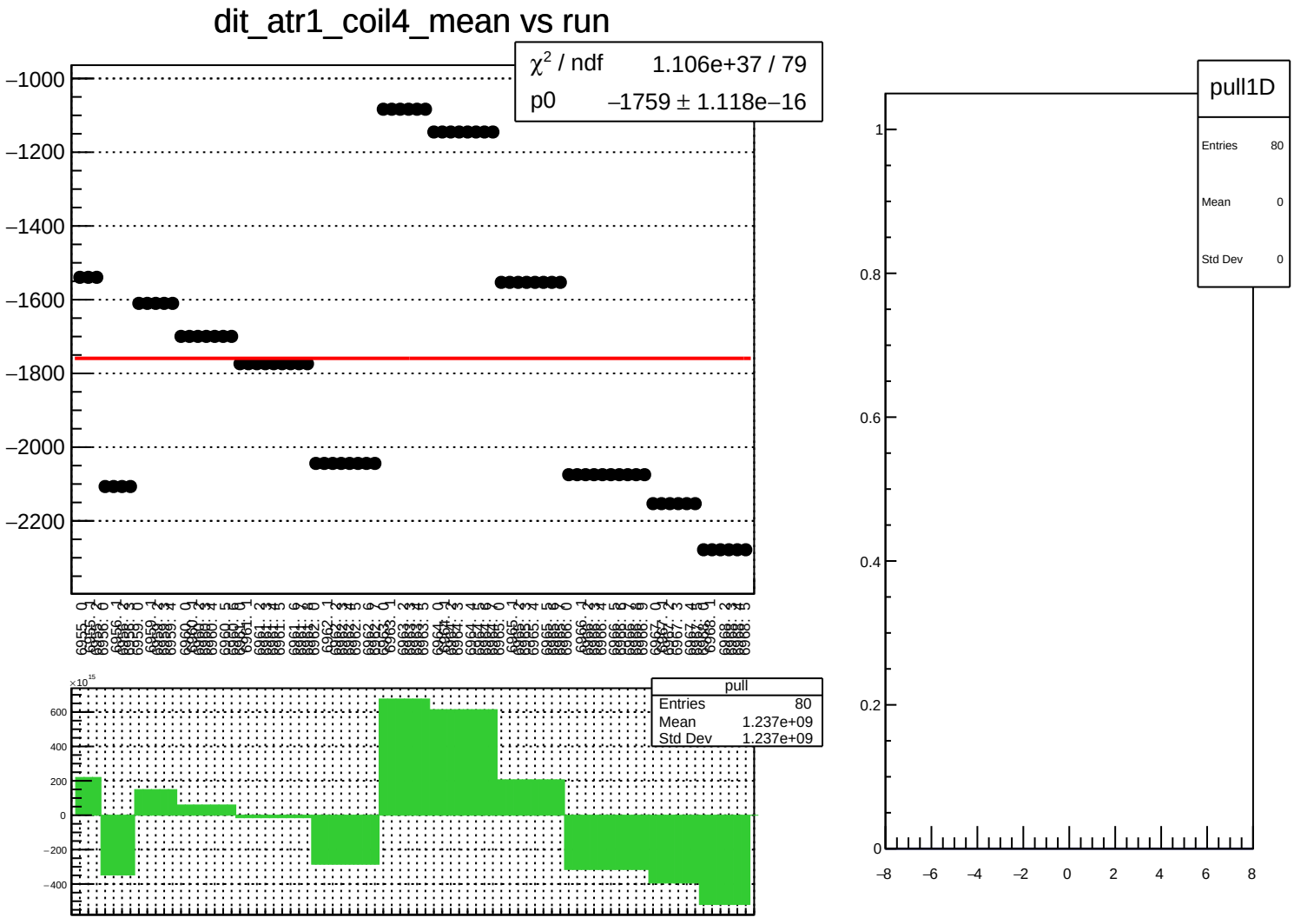

dit_atl2_coil4_err_mean vs run
χ² / ndf 1.333e+37 / 79
p0 2800 ± 1.118e−16
pull
Entries 80
Mean −4.293e+08
Std Dev 4.293e+08

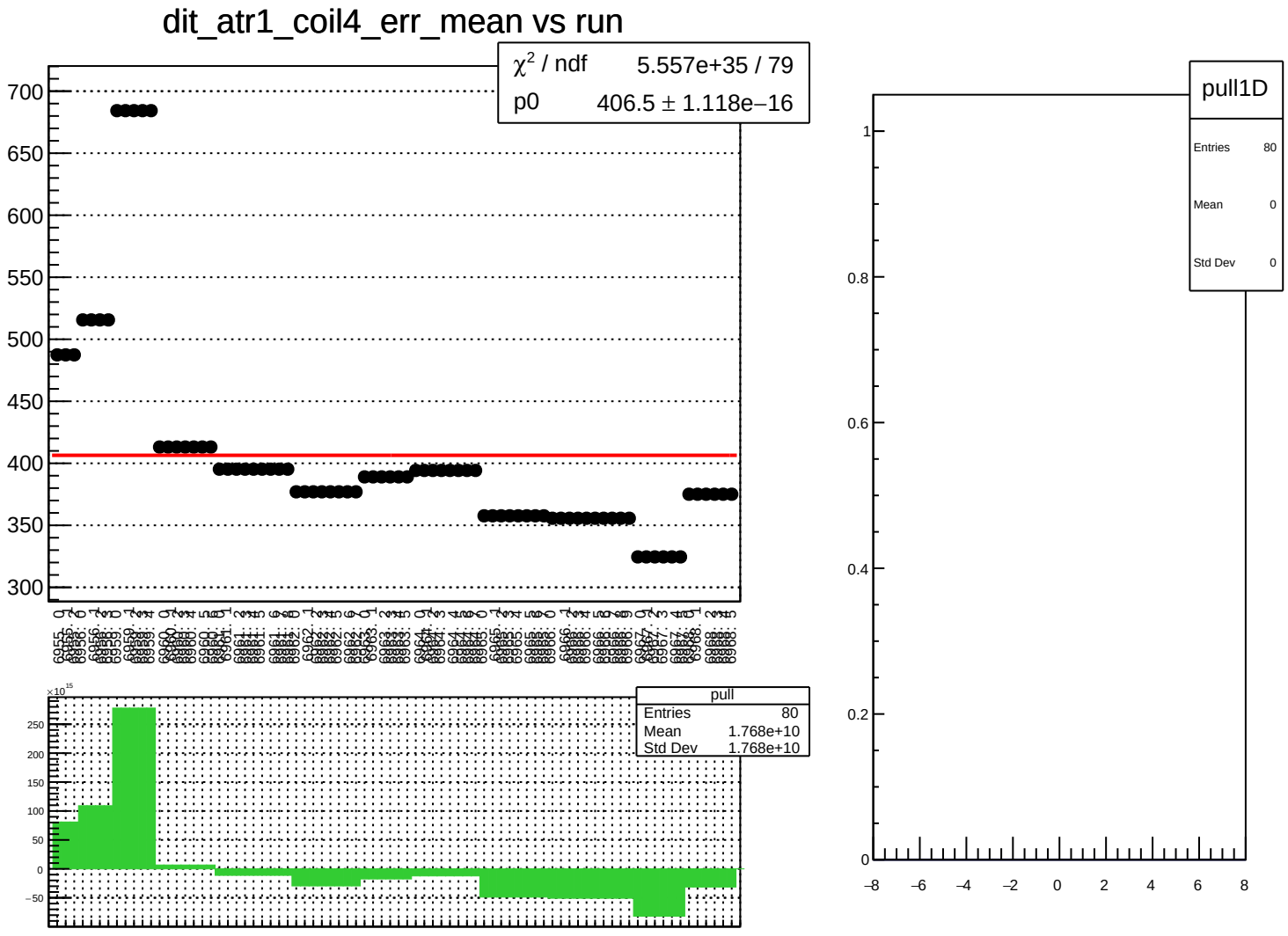

pull1D
Entries 80
Mean 0
Std Dev 0

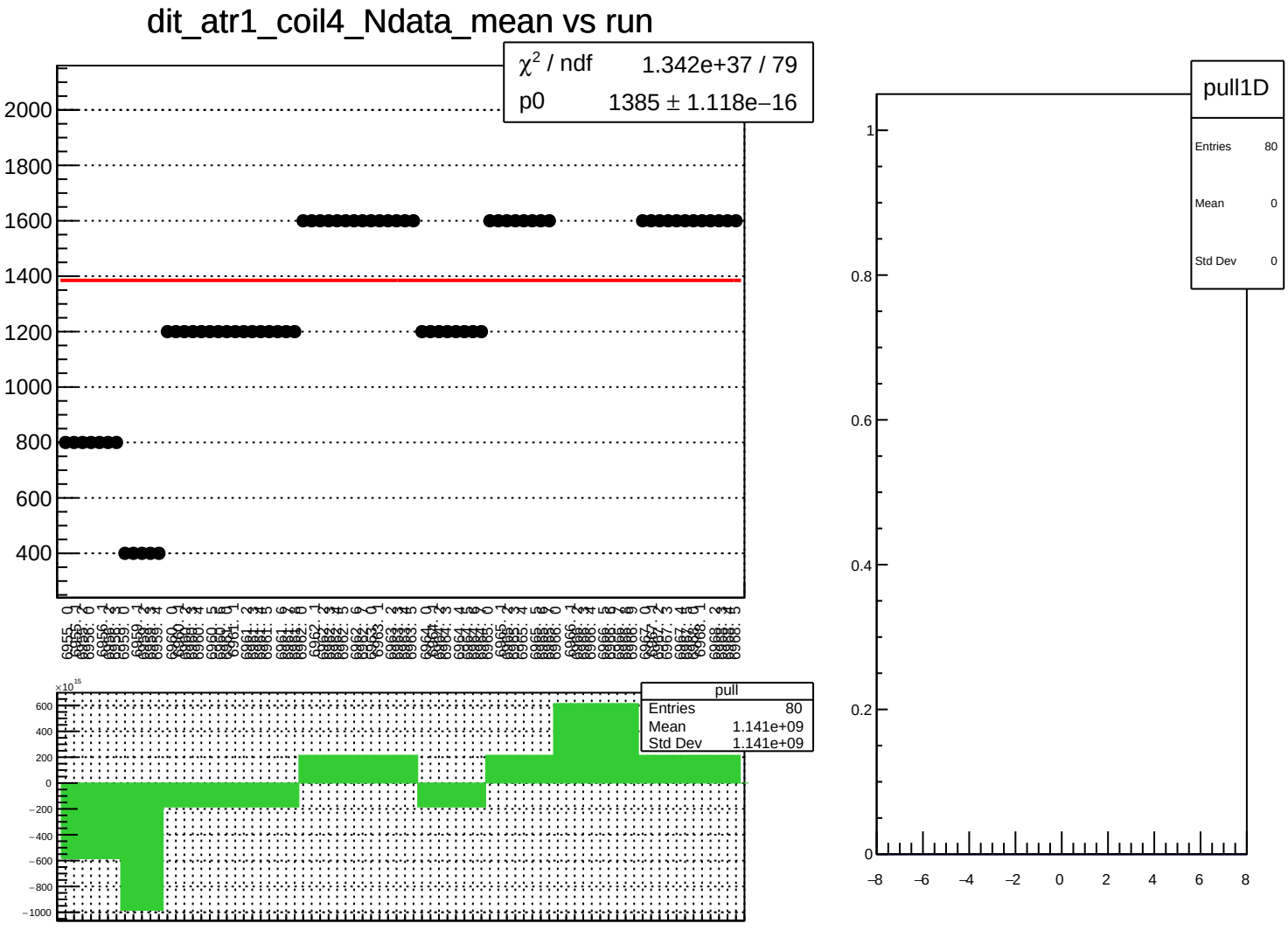
dit_atl2_coil4_Ndata_mean vs run

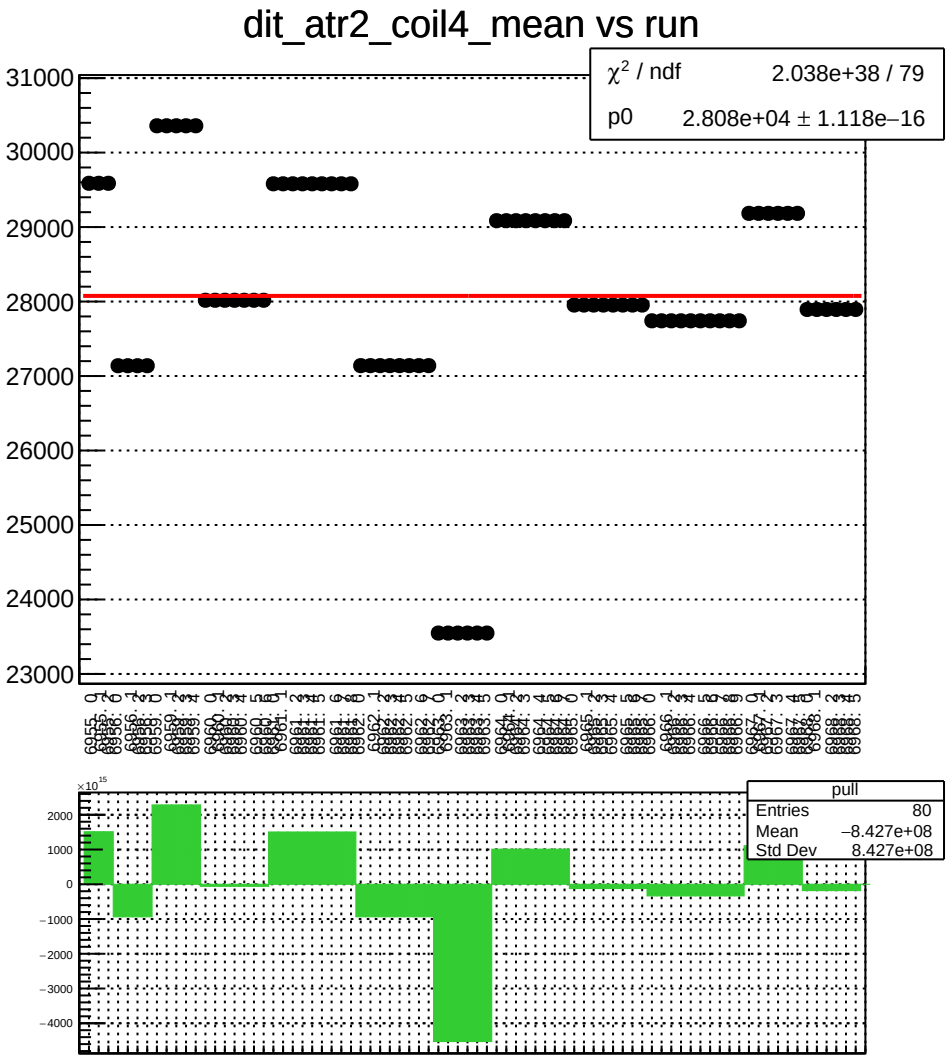


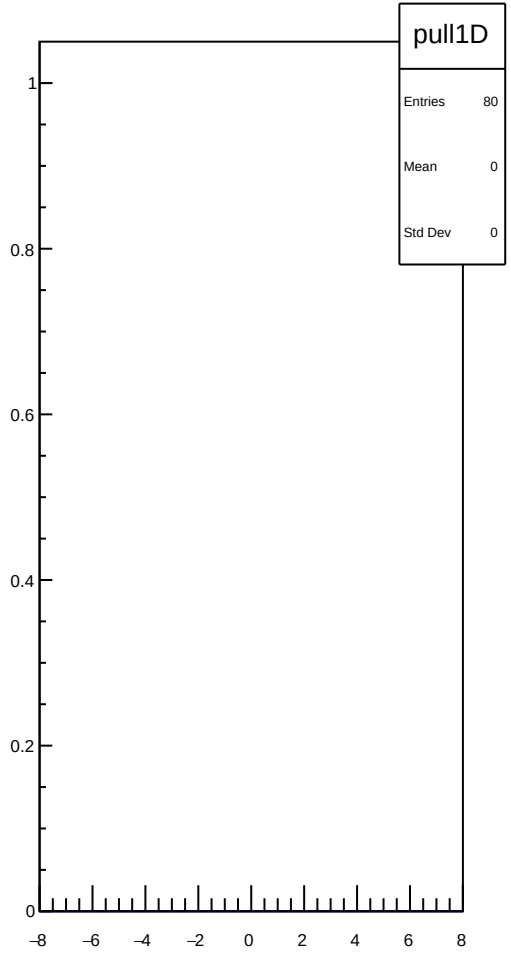


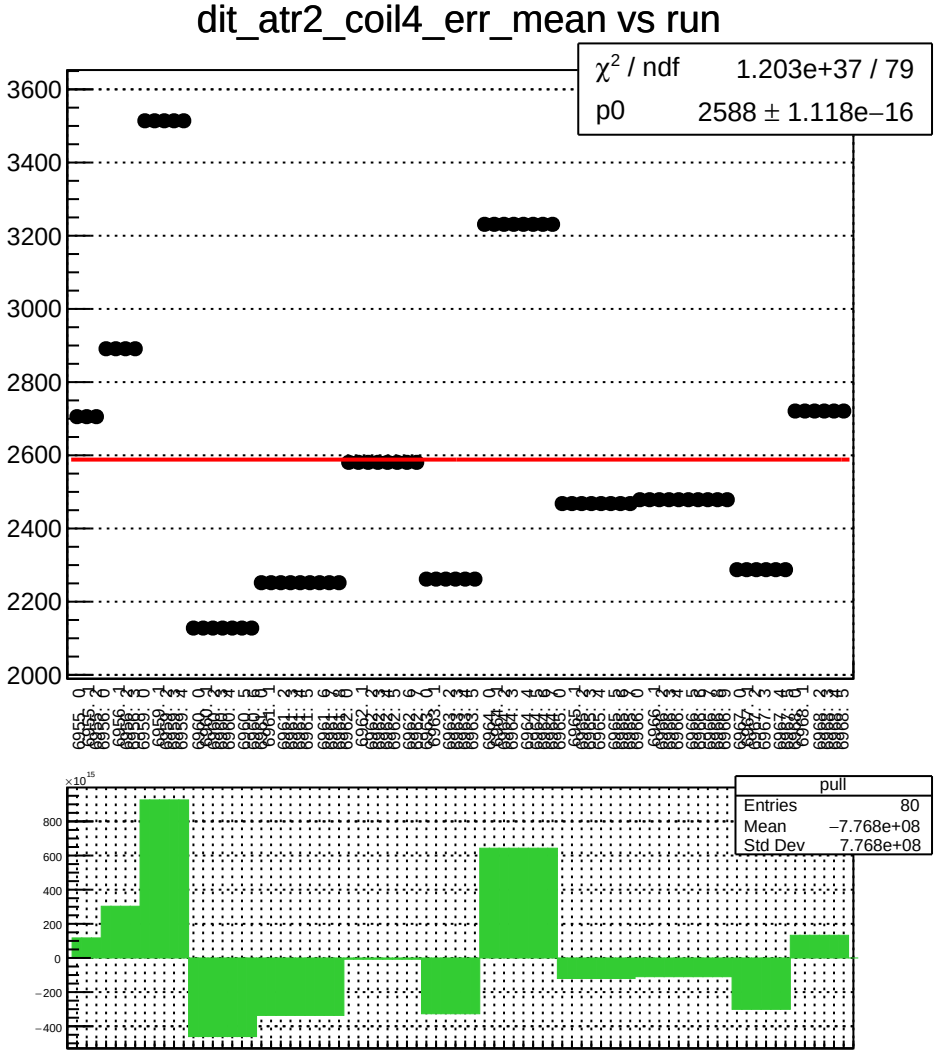

dit_atr1_coil4_mean vs run
χ² / ndf 1.106e+37 / 79
p0 −1759 ± 1.118e−16
−1000
−1200
−1400
−1600
−1800
−2000
−2200
pull
Entries 80
Mean 1.237e+09
Std Dev 1.237e+09
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

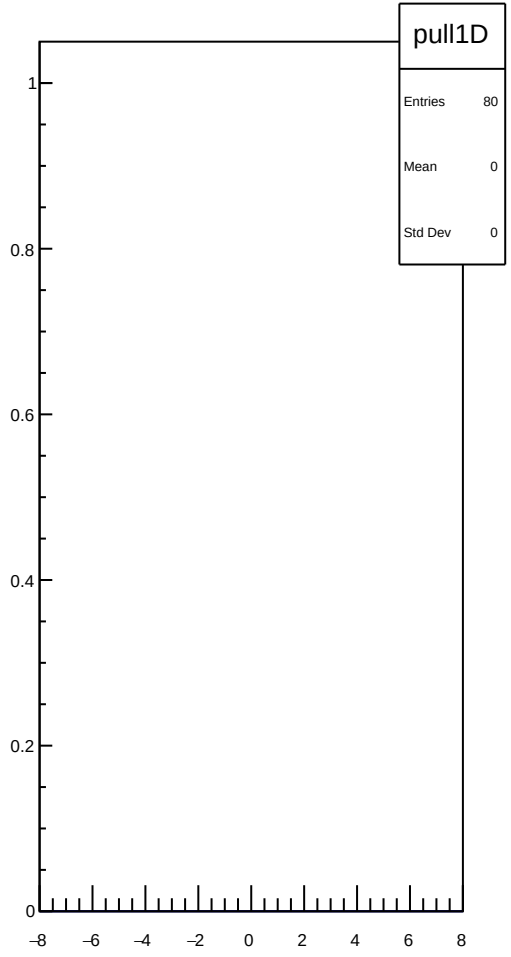

dit_atr1_coil4_err_mean vs run
χ² / ndf 5.557e+35 / 79
p0 406.5 ± 1.118e−16
700
650
600
550
500
450
400
350
300
pull
Entries 80
Mean 1.768e+10
Std Dev 1.768e+10
×10¹⁵
250
200
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

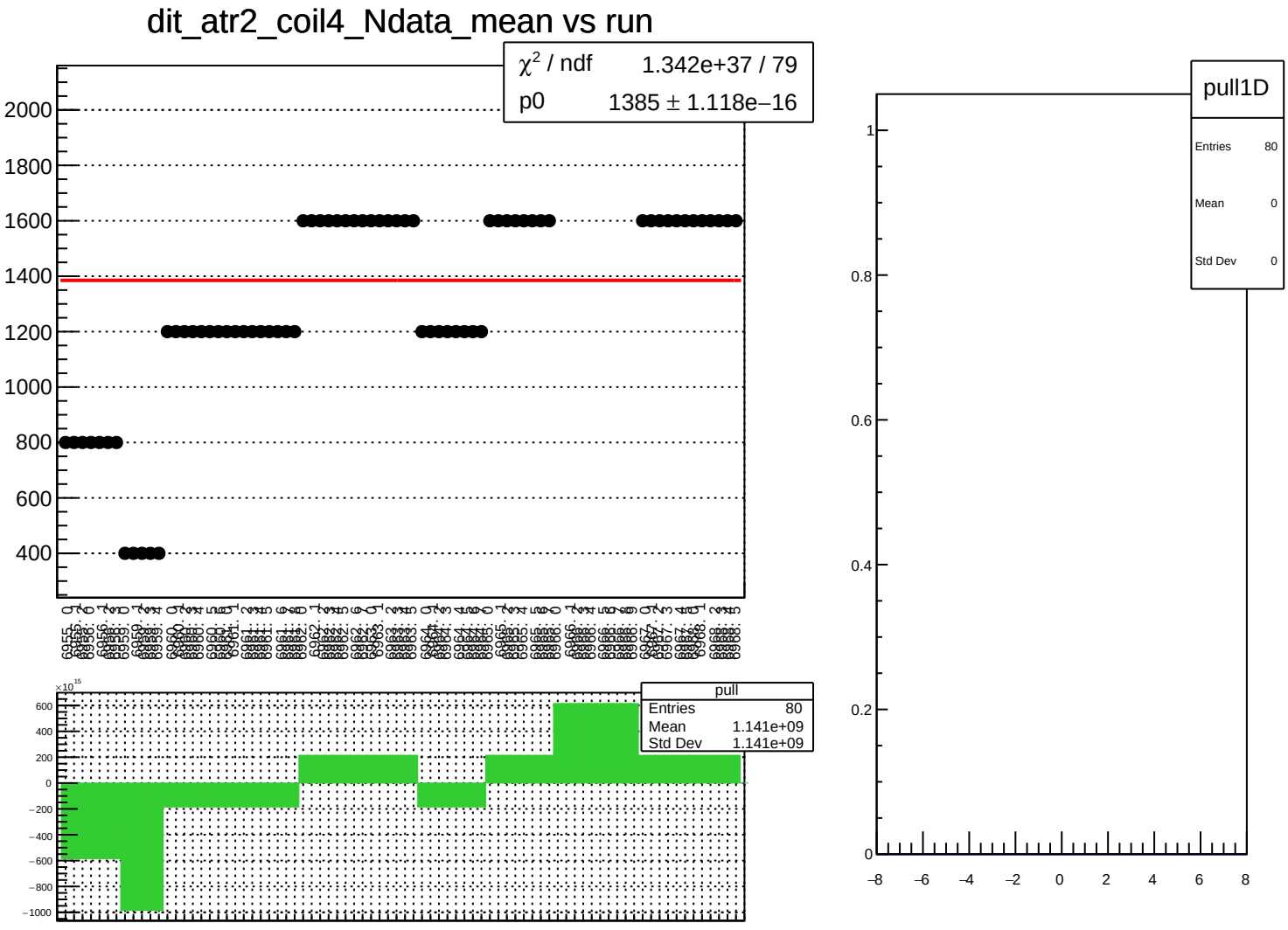

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

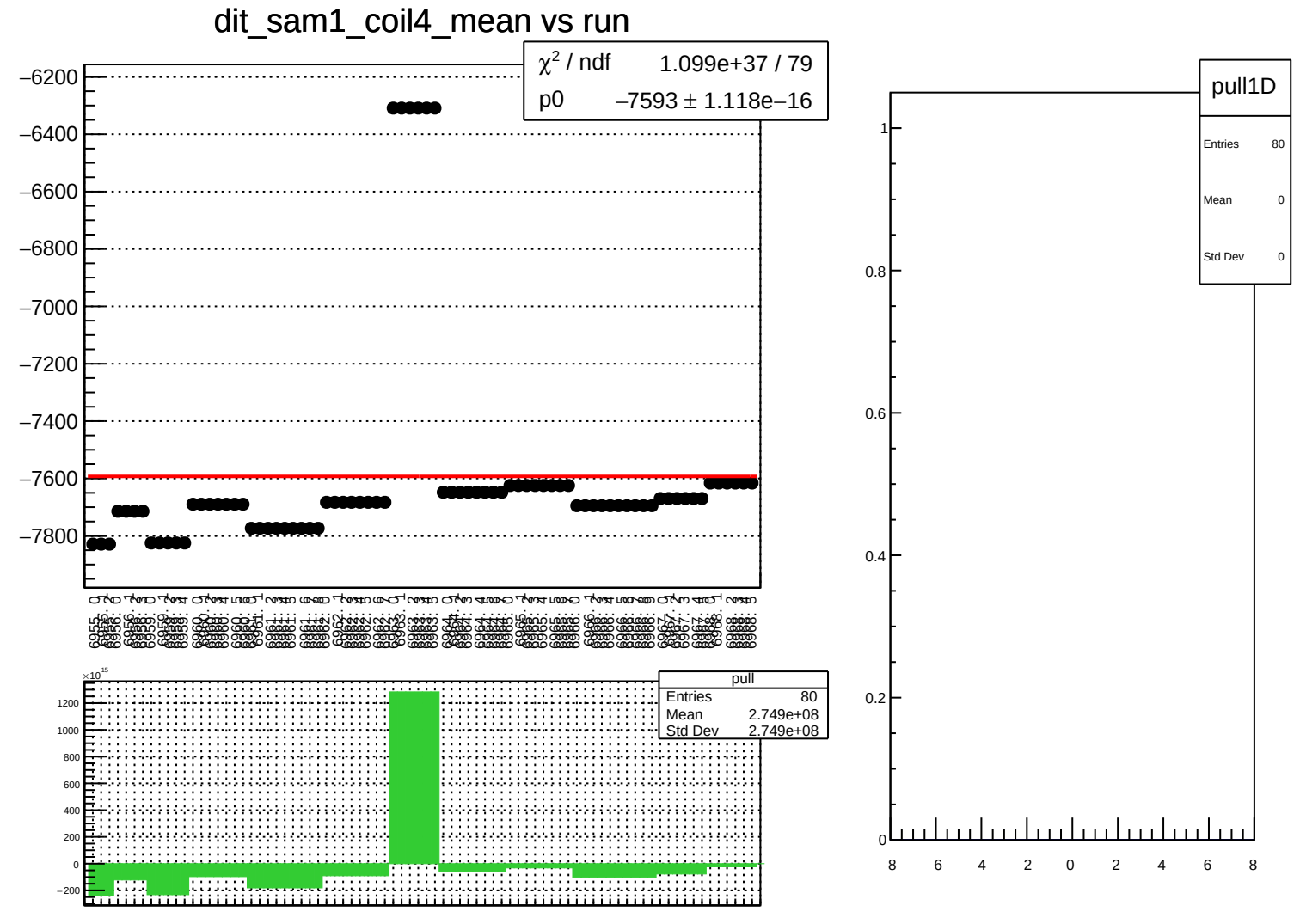

dit_atr2_coil4_mean vs run
χ² / ndf 2.038e+38 / 79
p0 2.808e+04 ± 1.118e−16
31000
30000
29000
28000
27000
26000
25000
24000
23000
pull
Entries 80
Mean −8.427e+08
Std Dev 8.427e+08
×10¹⁵
2000
1000
0
−1000
−2000
−3000
−4000

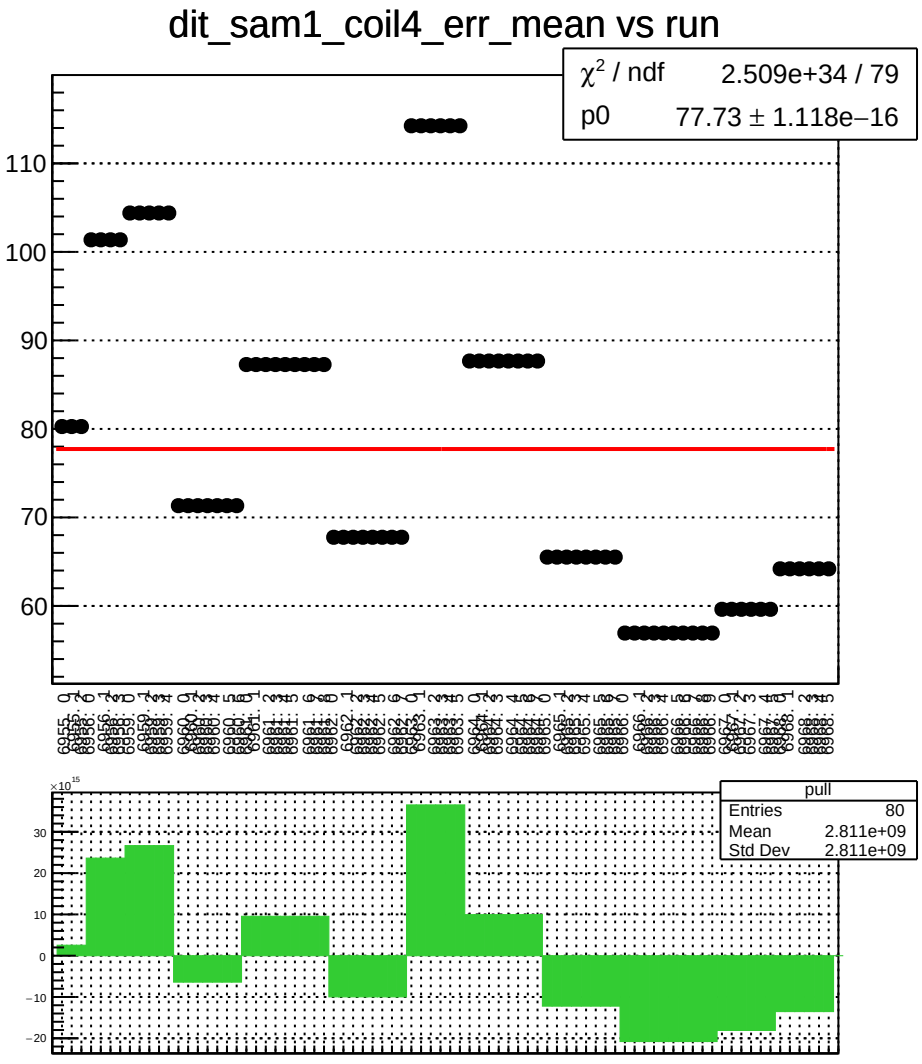

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

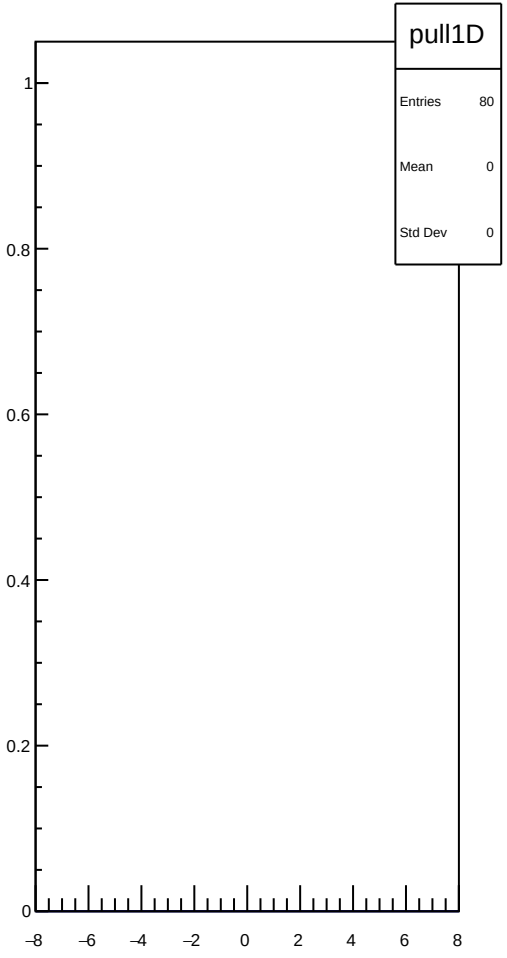

dit_atr2_coil4_err_mean vs run
χ² / ndf 1.203e+37 / 79
p0 2588 ± 1.118e−16
3600
3400
3200
3000
2800
2600
2400
2200
2000
pull
Entries 80
Mean −7.768e+08
Std Dev 7.768e+08
×10¹⁵
800
600
400
200
0
−200
−400

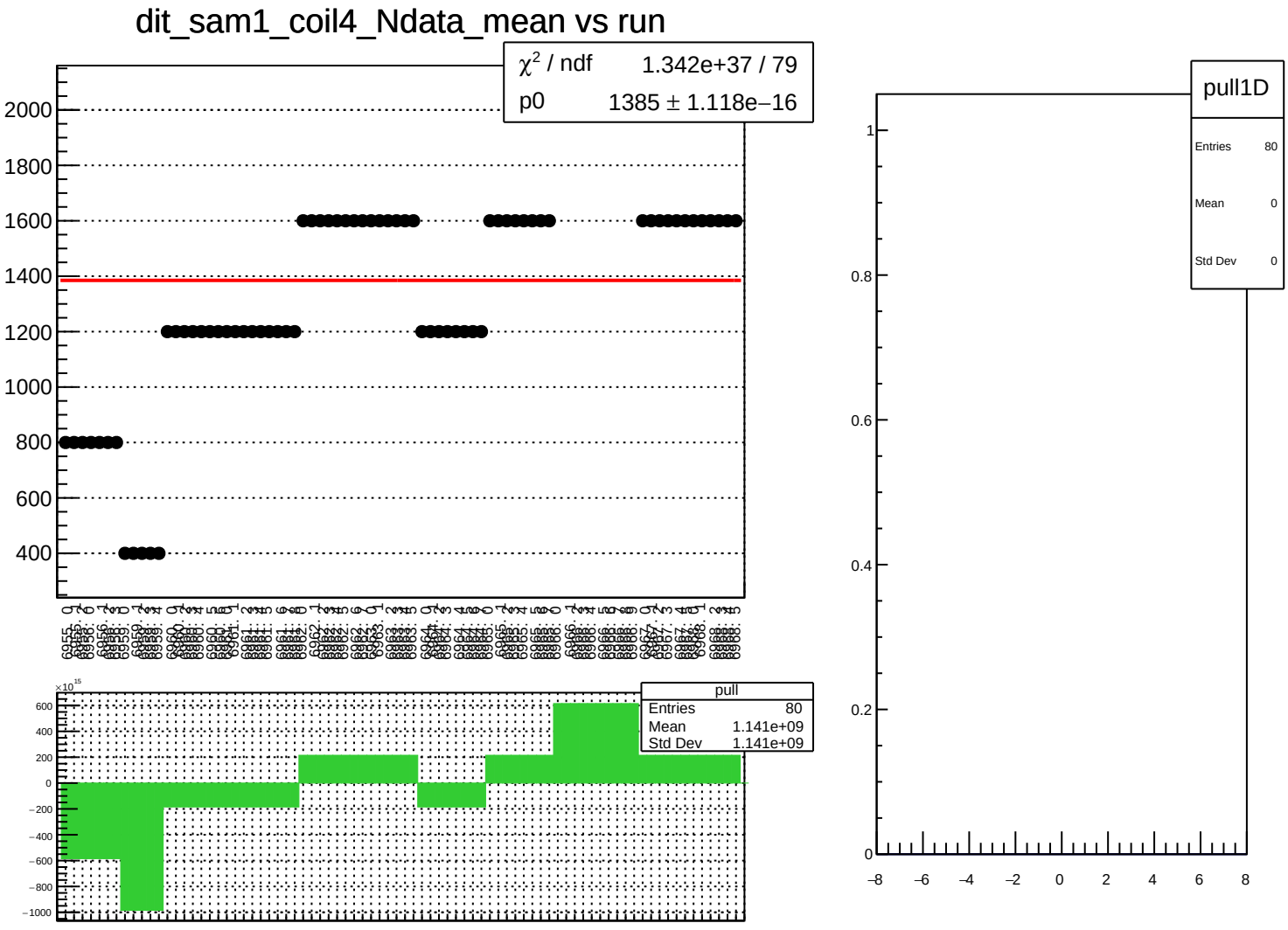

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

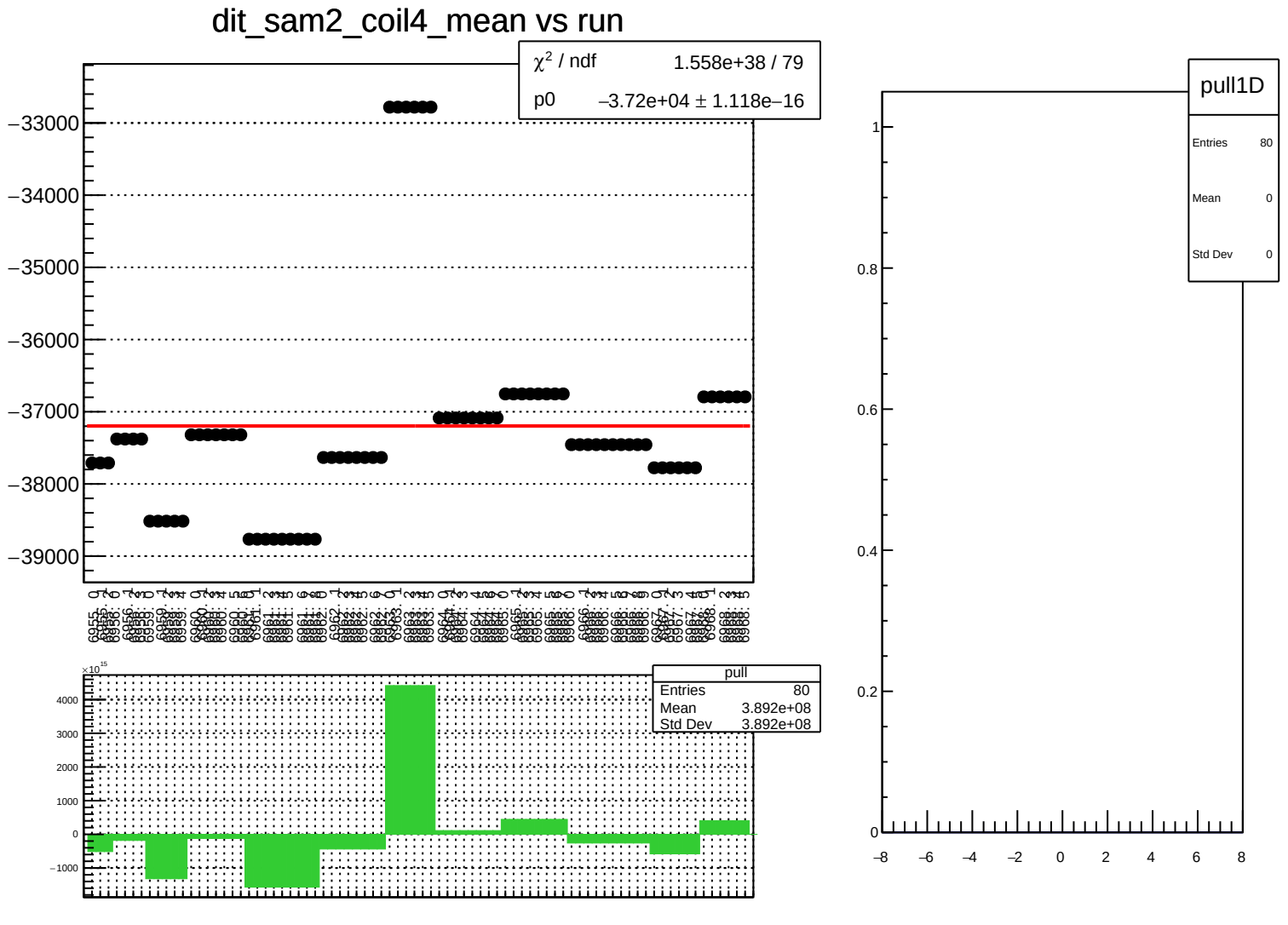

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

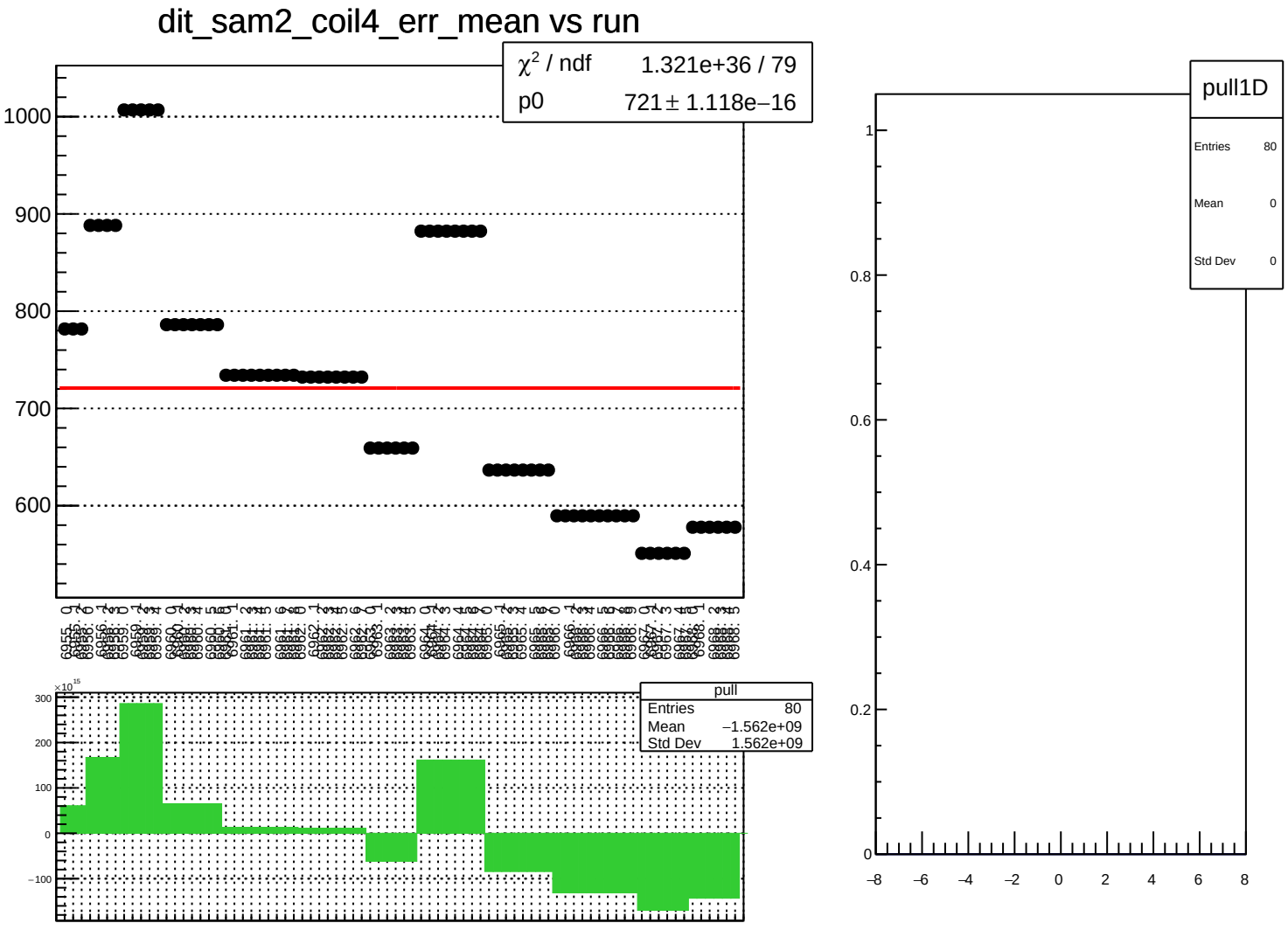

dit_sam1_coil4_mean vs run
χ² / ndf 1.099e+37 / 79
p0 −7593 ± 1.118e−16
−6200
−6400
−6600
−6800
−7000
−7200
−7400
−7600
−7800
pull
Entries 80
Mean 2.749e+08
Std Dev 2.749e+08
×10¹⁵
1200
1000
800
600
400
200
0
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

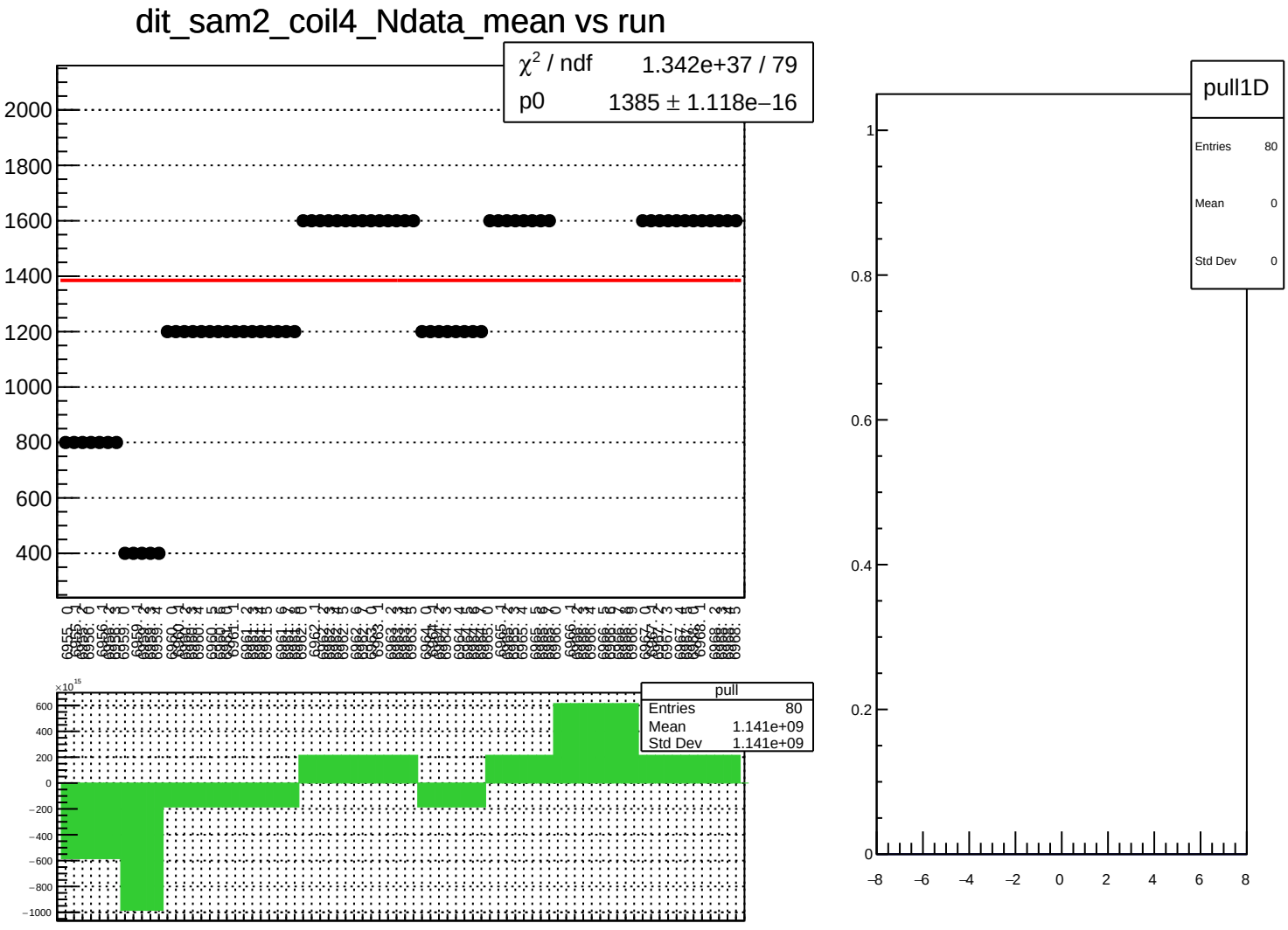

dit_sam1_coil4_err_mean vs run
χ² / ndf 2.509e+34 / 79
p0 77.73 ± 1.118e−16
110
100
90
80
70
60
pull
Entries 80
Mean 2.811e+09
Std Dev 2.811e+09
×10¹⁵
30
20
10
0
−10
−20

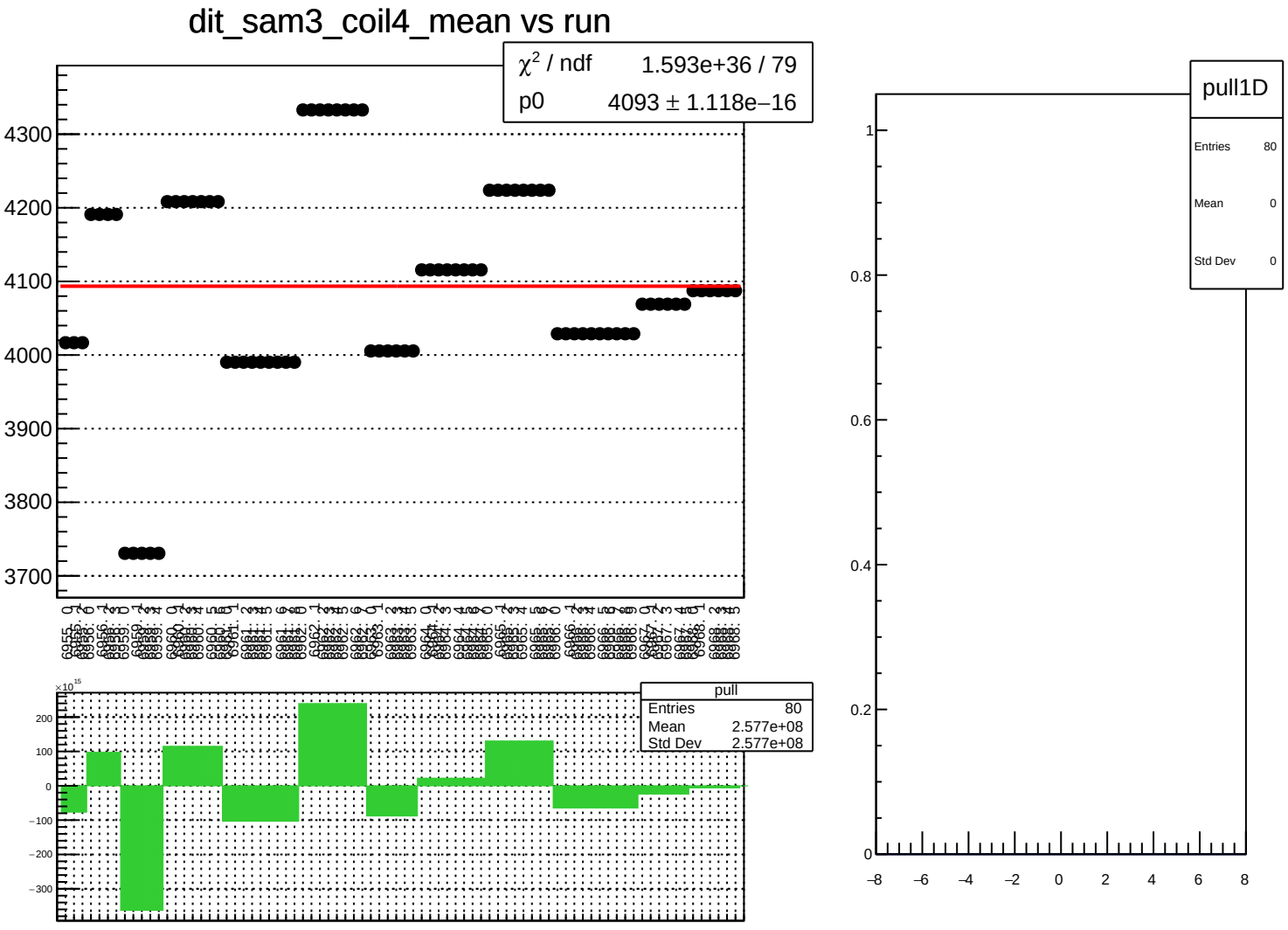

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

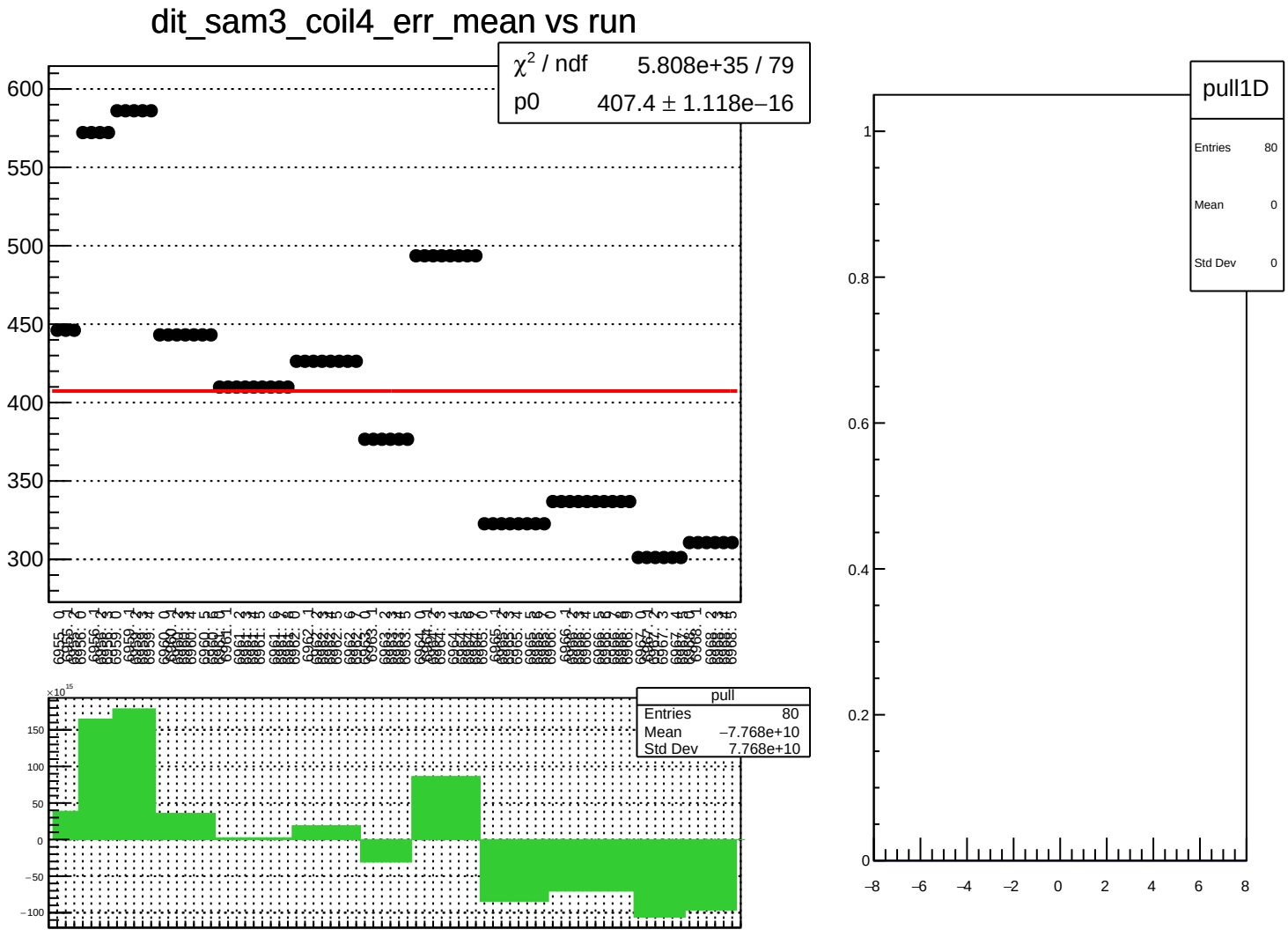

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

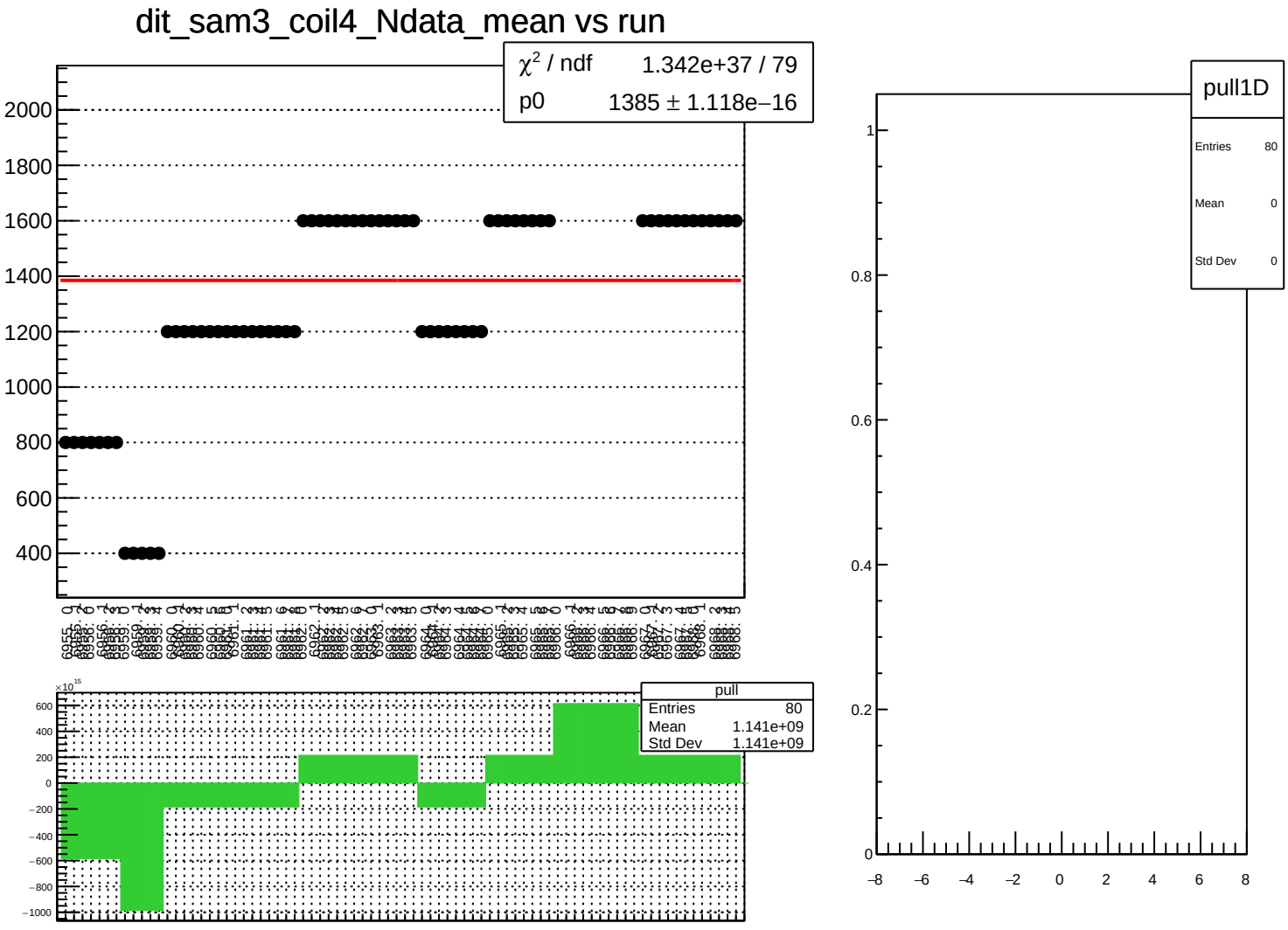

dit_sam2_coil4_mean vs run
χ² / ndf 1.558e+38 / 79
p0 −3.72e+04 ± 1.118e−16
−33000
−34000
−35000
−36000
−37000
−38000
−39000
pull
Entries 80
Mean 3.892e+08
Std Dev 3.892e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

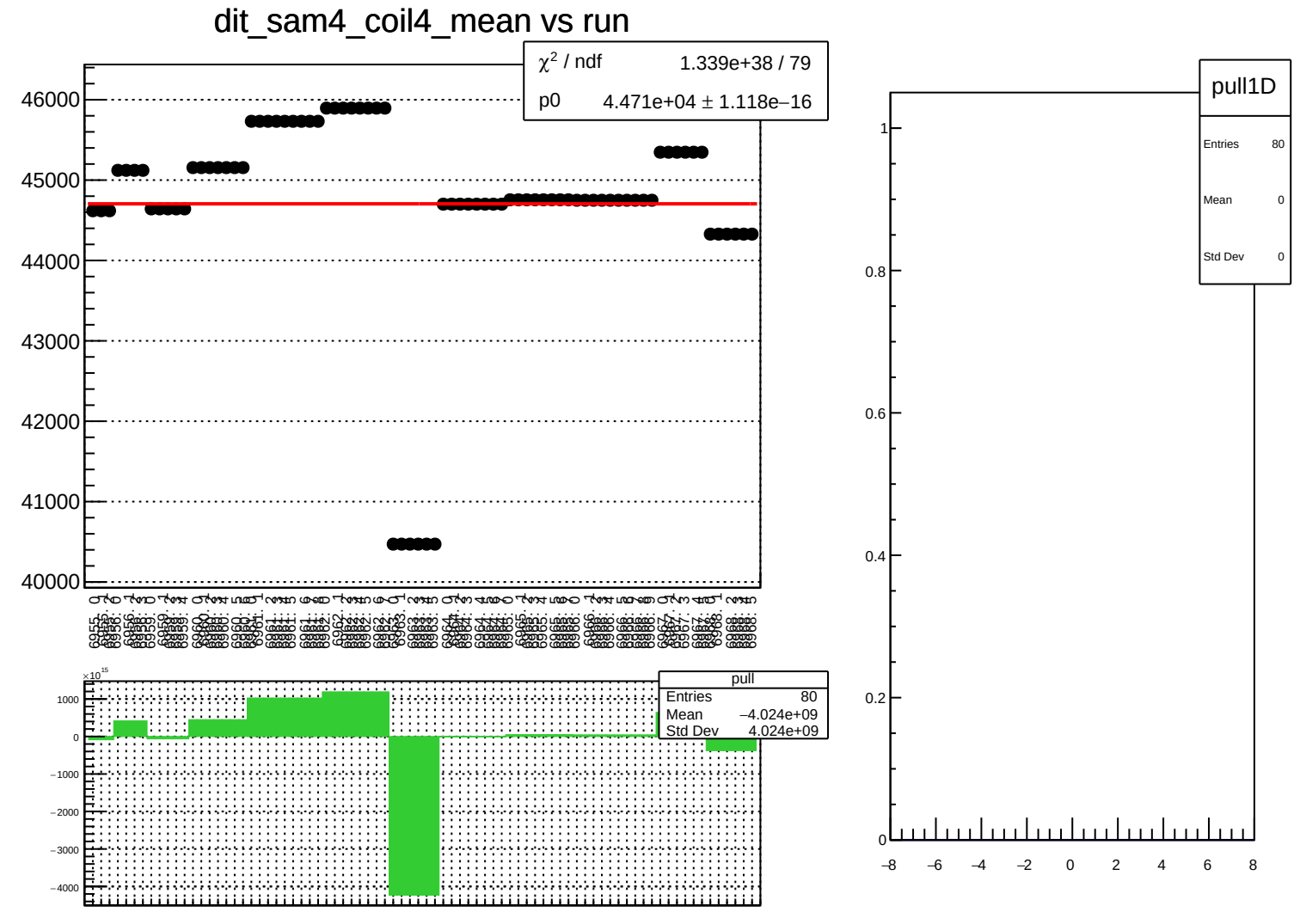

dit_sam2_coil4_err_mean vs run
χ² / ndf 1.321e+36 / 79
p0 721 ± 1.118e−16
1000
900
800
700
600
pull
Entries 80
Mean −1.562e+09
Std Dev 1.562e+09
×10¹⁵
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

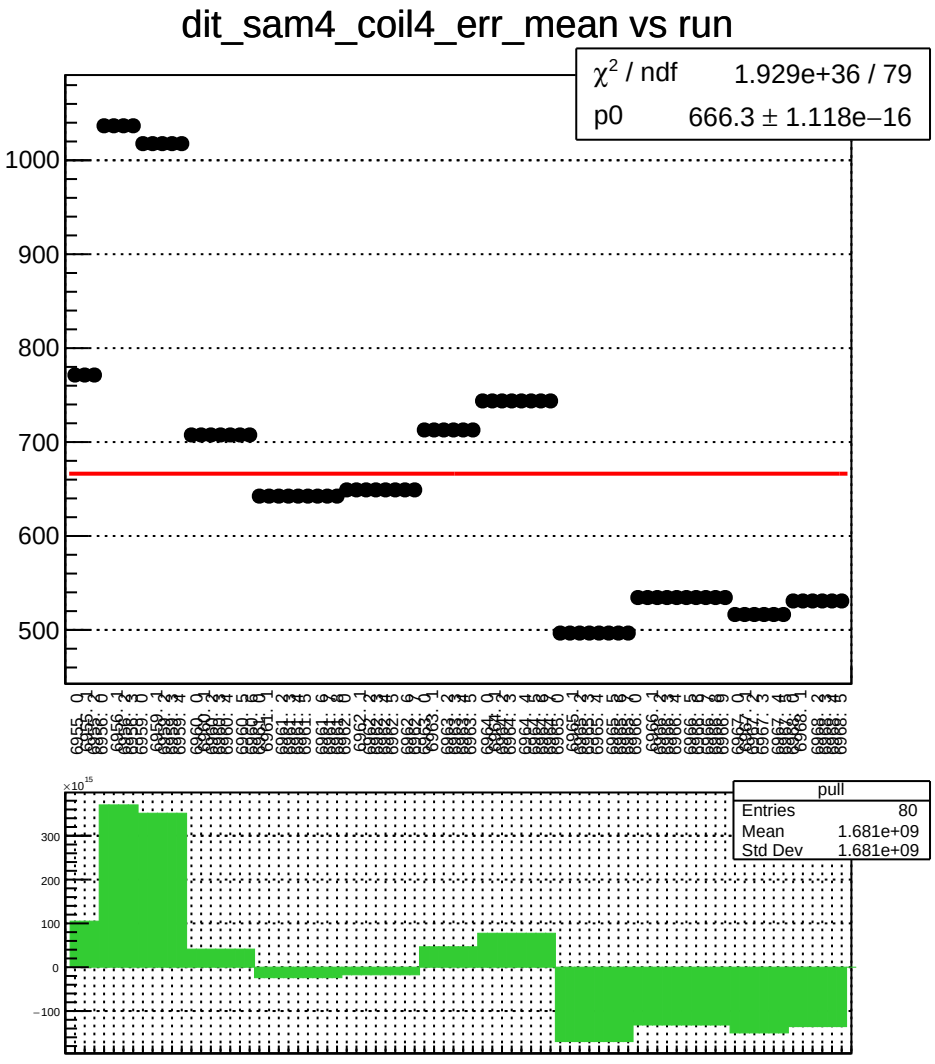

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

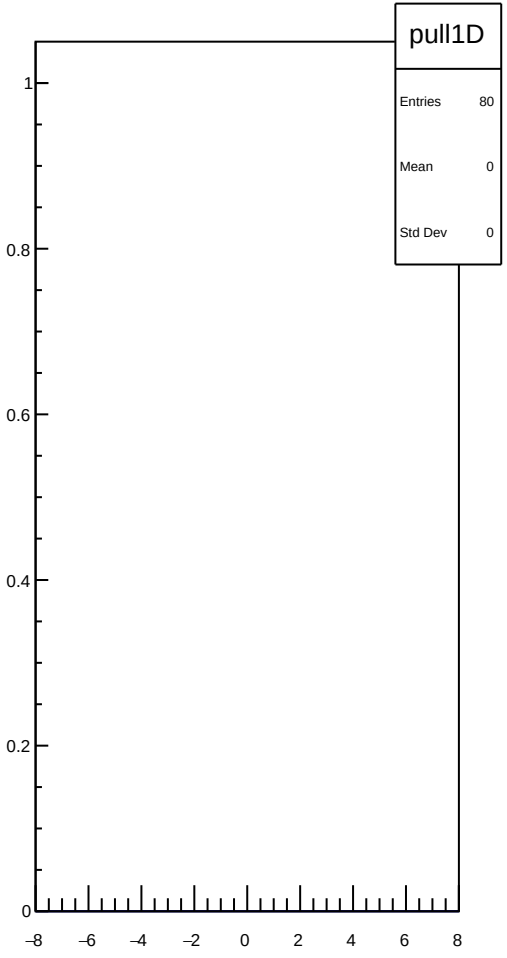

dit_sam3_coil4_mean vs run
χ² / ndf 1.593e+36 / 79
p0 4093 ± 1.118e−16
4300
4200
4100
4000
3900
3800
3700
pull
Entries 80
Mean 2.577e+08
Std Dev 2.577e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

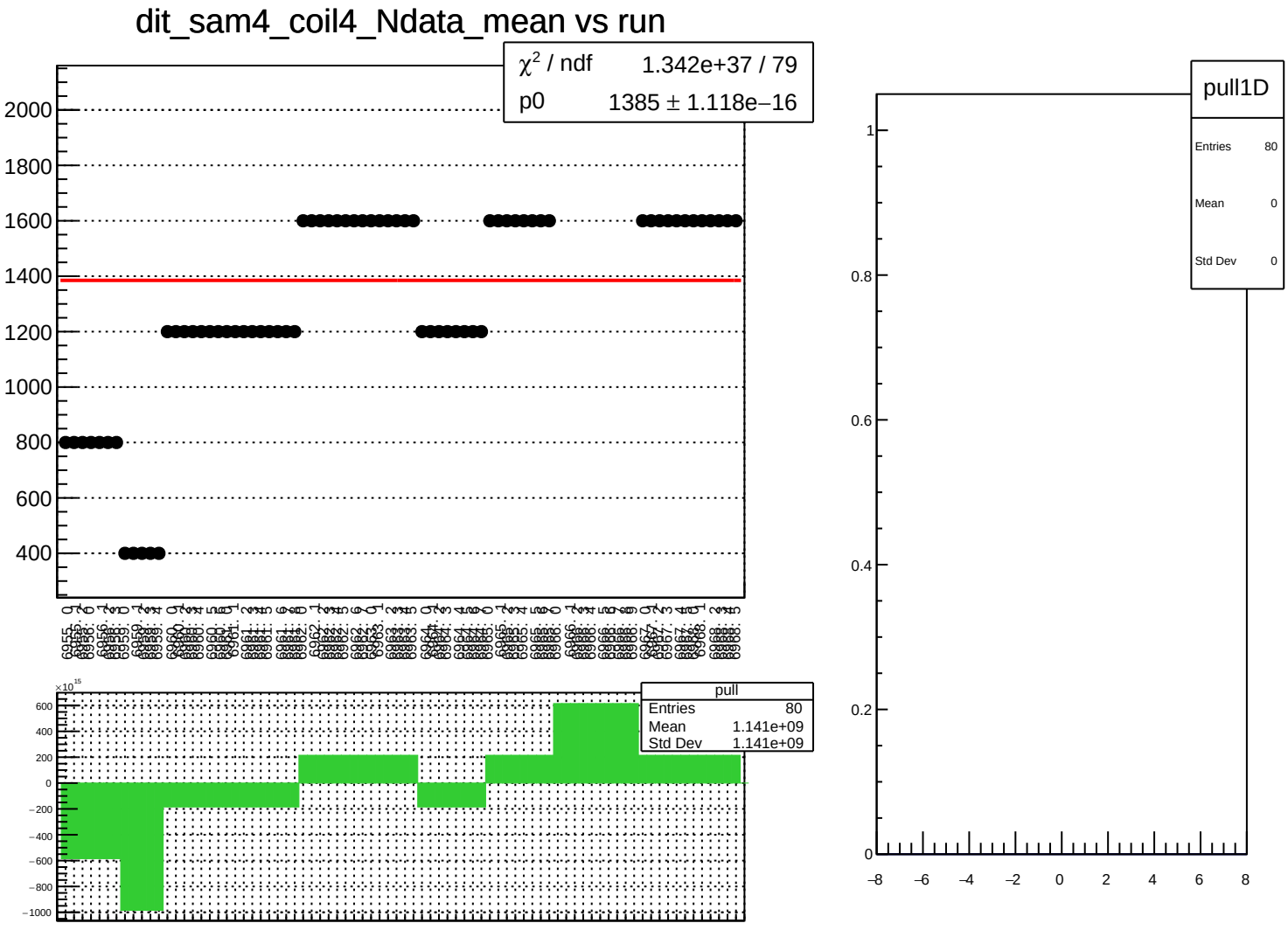

dit_sam3_coil4_err_mean vs run
χ² / ndf 5.808e+35 / 79
p0 407.4 ± 1.118e−16
600
550
500
450
400
350
300
pull
Entries 80
Mean −7.768e+10
Std Dev 7.768e+10
×10¹⁵
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

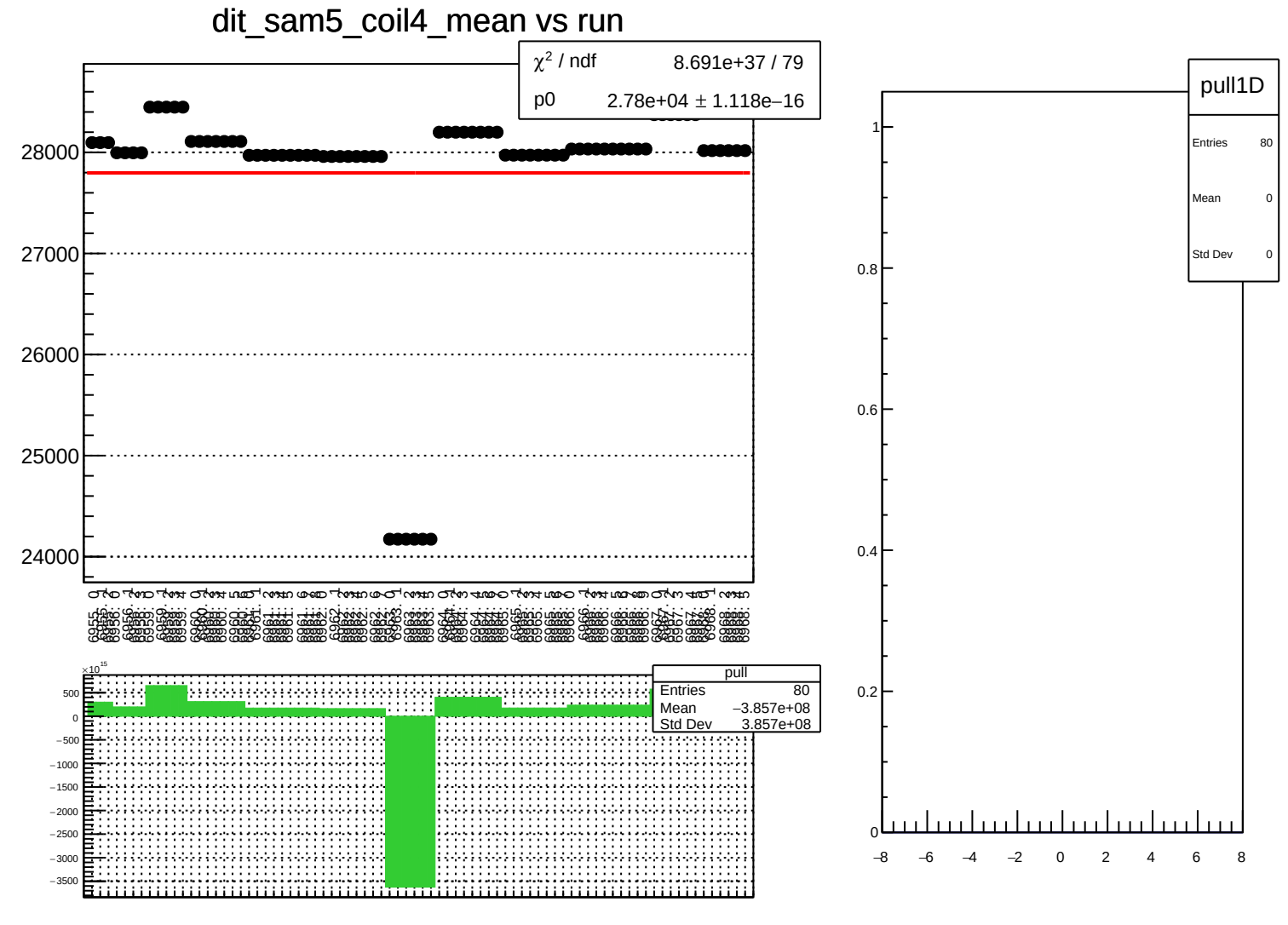

dit_sam3_coil4_Ndata_mean vs run
χ^2 / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

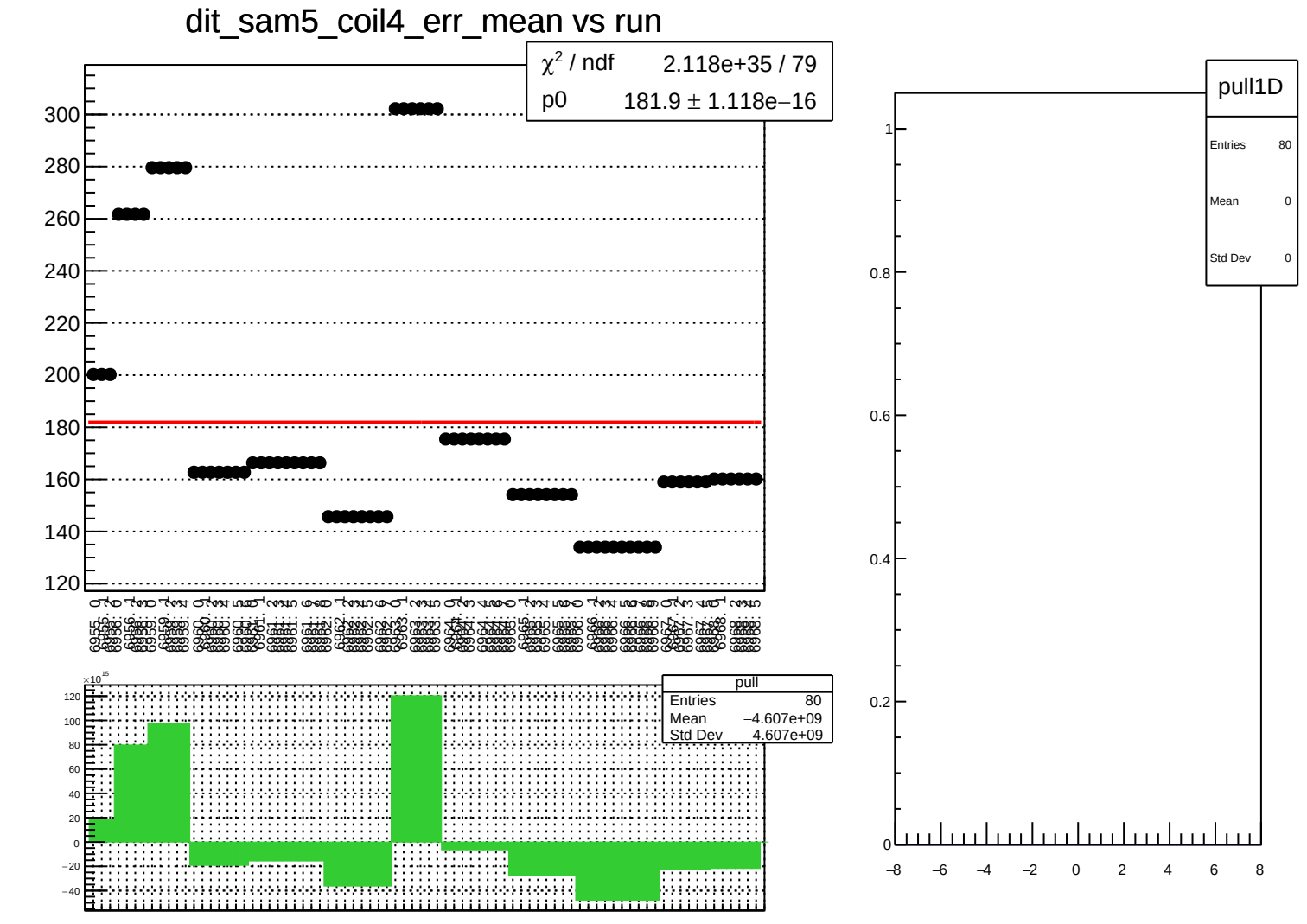

dit_sam4_coil4_mean vs run
χ² / ndf 1.339e+38 / 79
p0 4.471e+04 ± 1.118e−16
46000
45000
44000
43000
42000
41000
40000
pull
Entries 80
Mean −4.024e+09
Std Dev 4.024e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

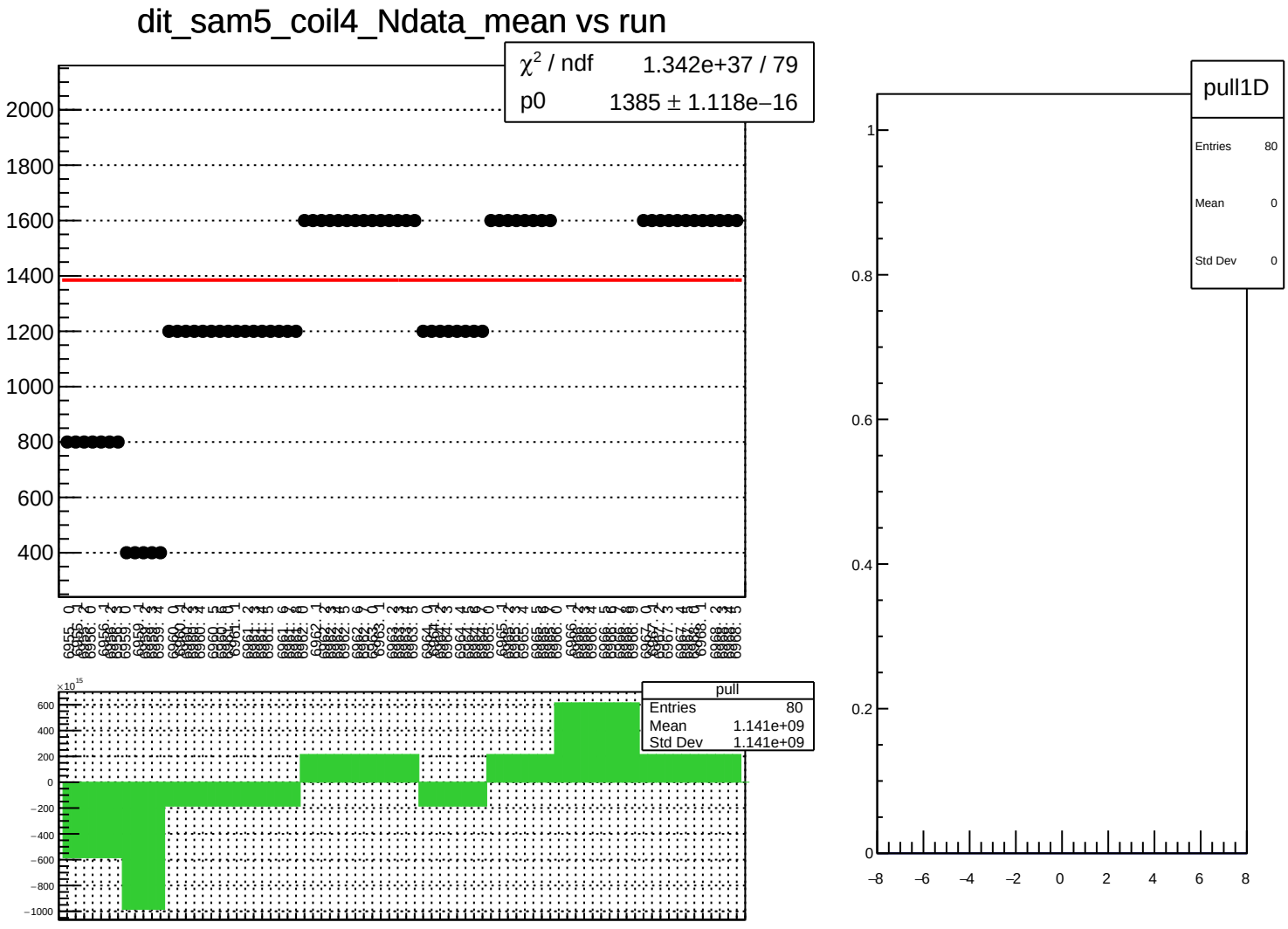

dit_sam4_coil4_err_mean vs run
χ² / ndf 1.929e+36 / 79
p0 666.3 ± 1.118e−16
1000
900
800
700
600
500
pull
Entries 80
Mean 1.681e+09
Std Dev 1.681e+09
×10¹⁵
300
200
100
0
−100

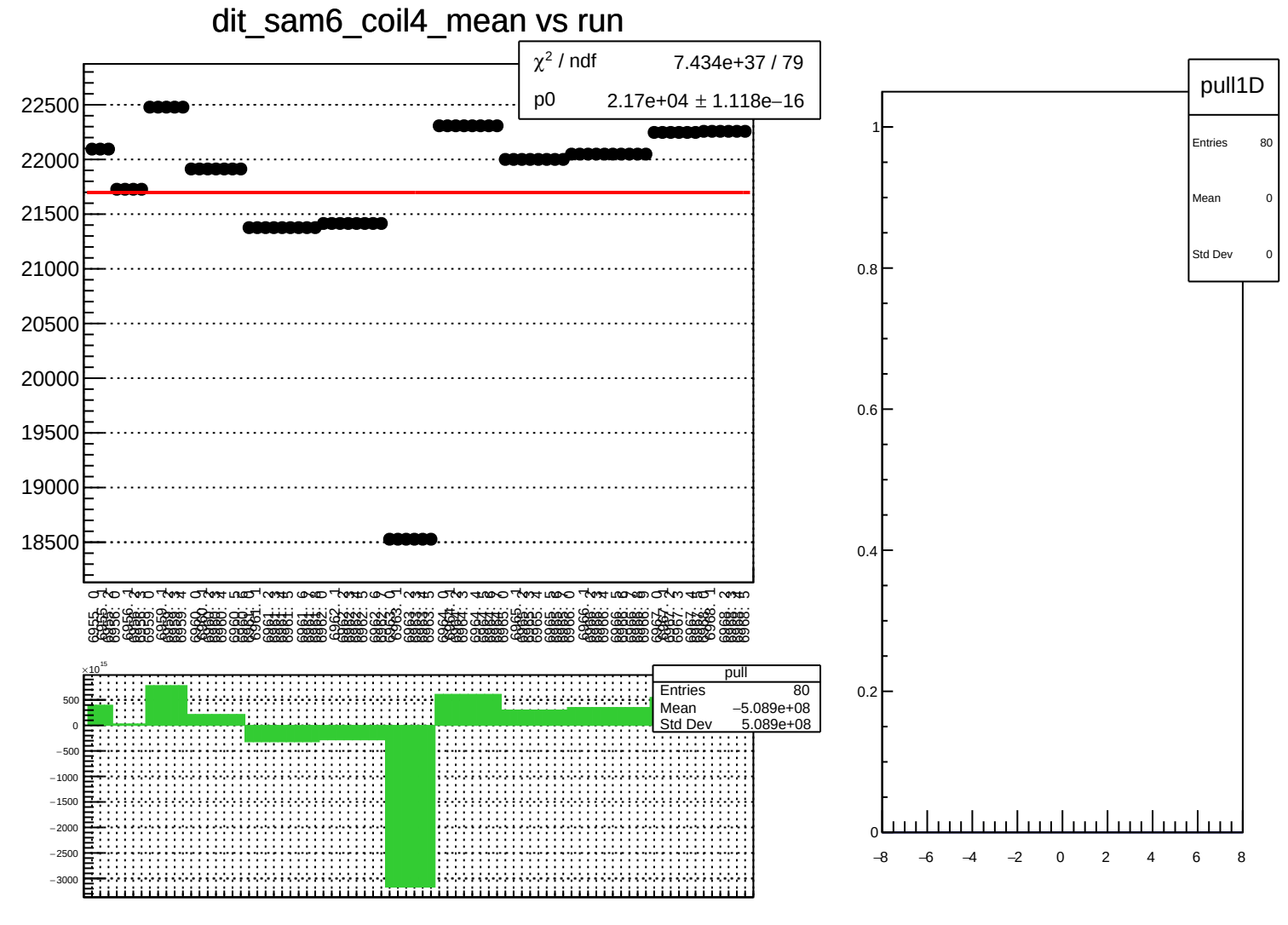

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

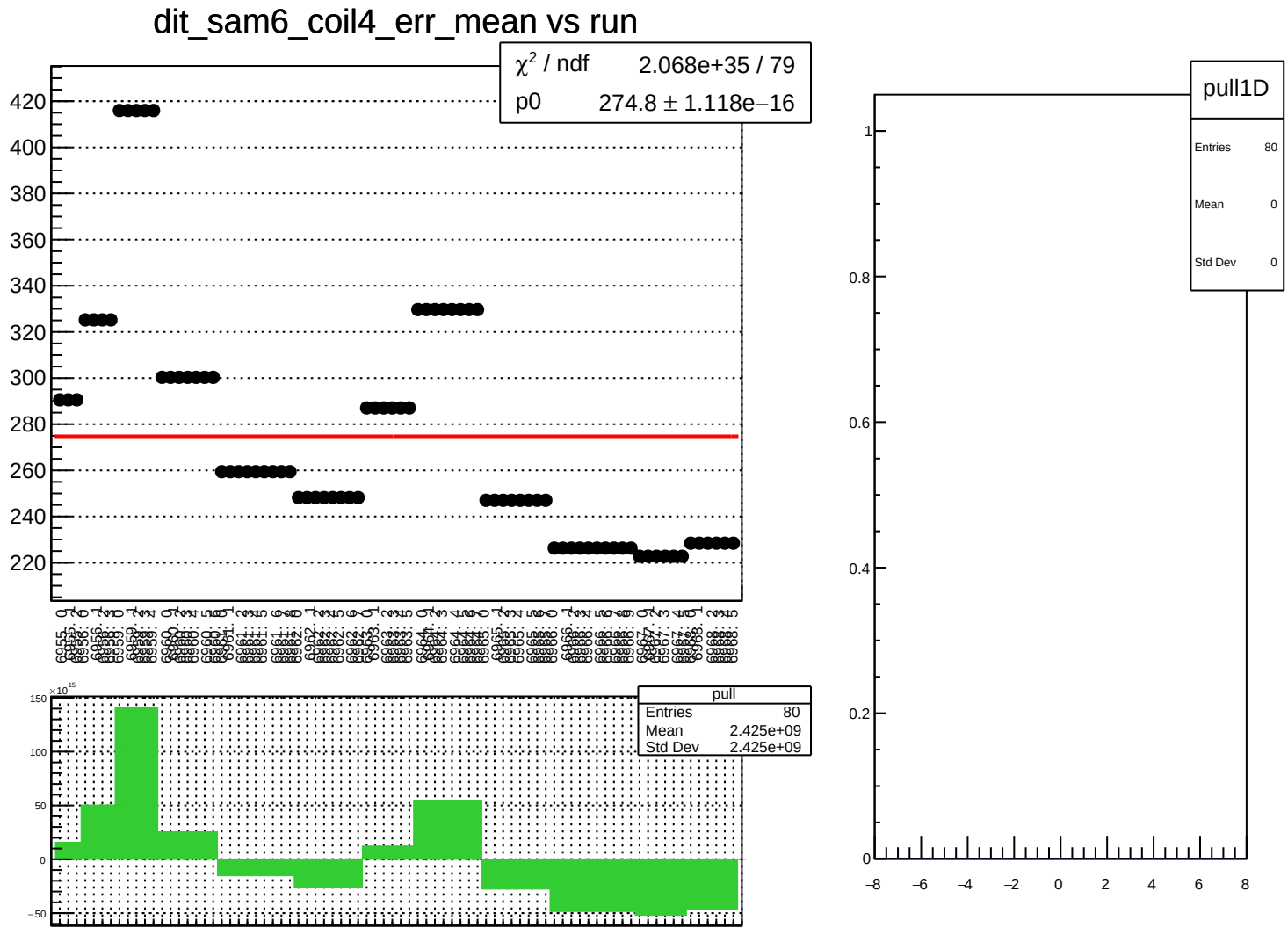

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

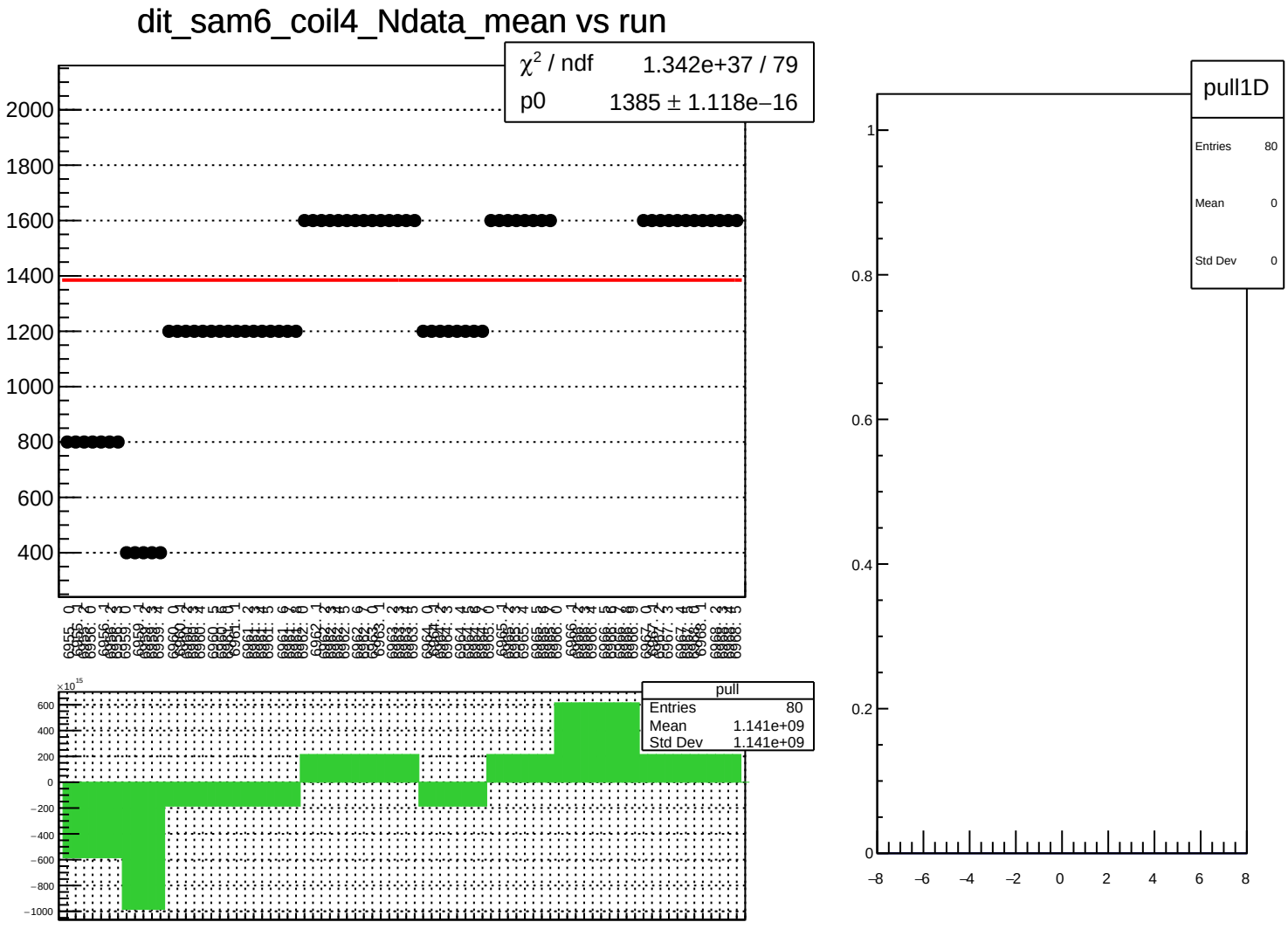

dit_sam5_coil4_mean vs run
χ² / ndf 8.691e+37 / 79
p0 2.78e+04 ± 1.118e−16
28000
27000
26000
25000
24000
pull
Entries 80
Mean −3.857e+08
Std Dev 3.857e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

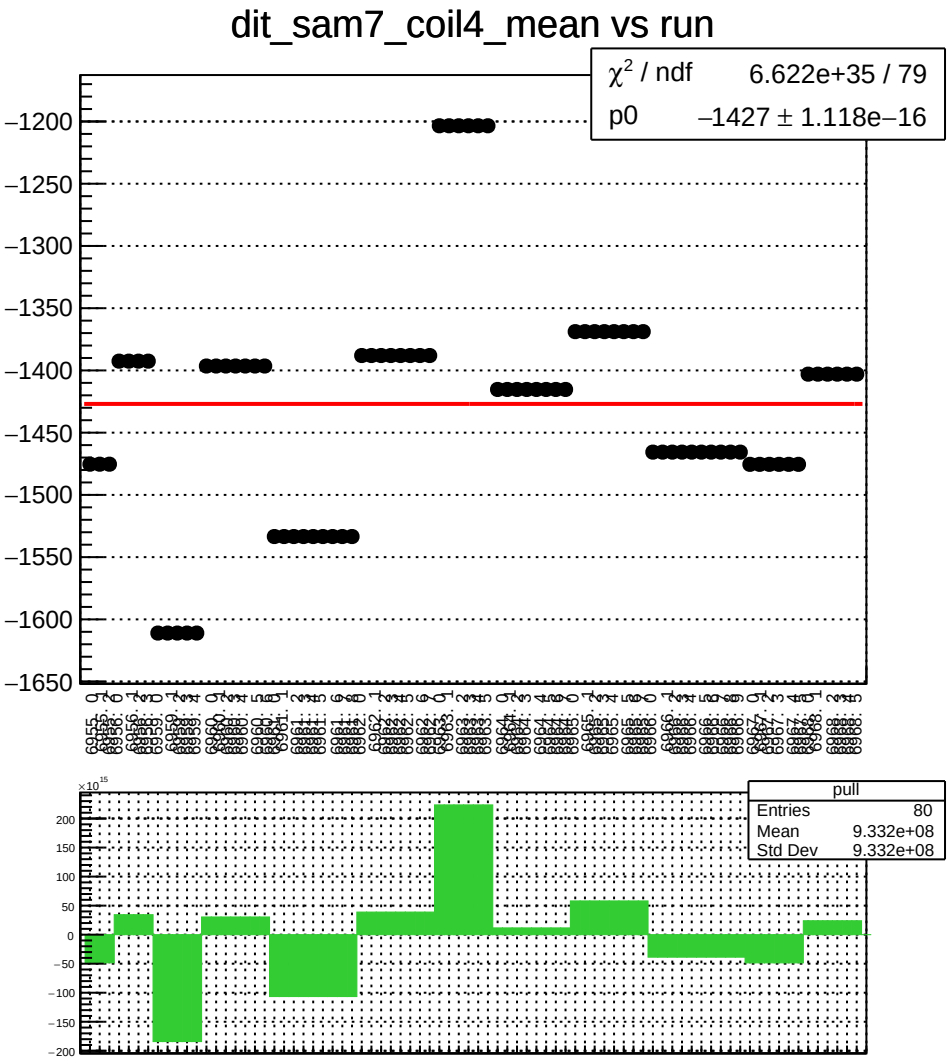

dit_sam5_coil4_err_mean vs run
χ² / ndf 2.118e+35 / 79
p0 181.9 ± 1.118e−16
pull
Entries 80
Mean −4.607e+09
Std Dev 4.607e+09
pull1D
Entries 80
Mean 0
Std Dev 0

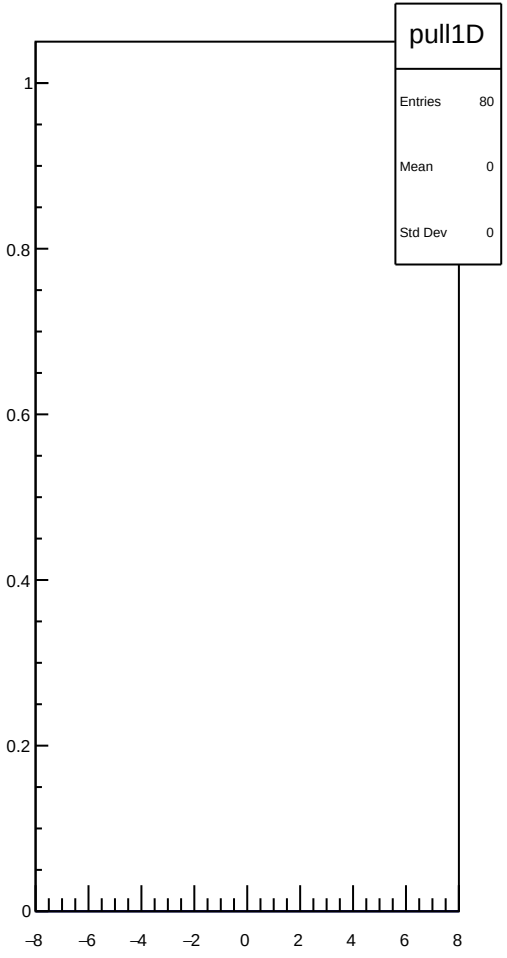

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

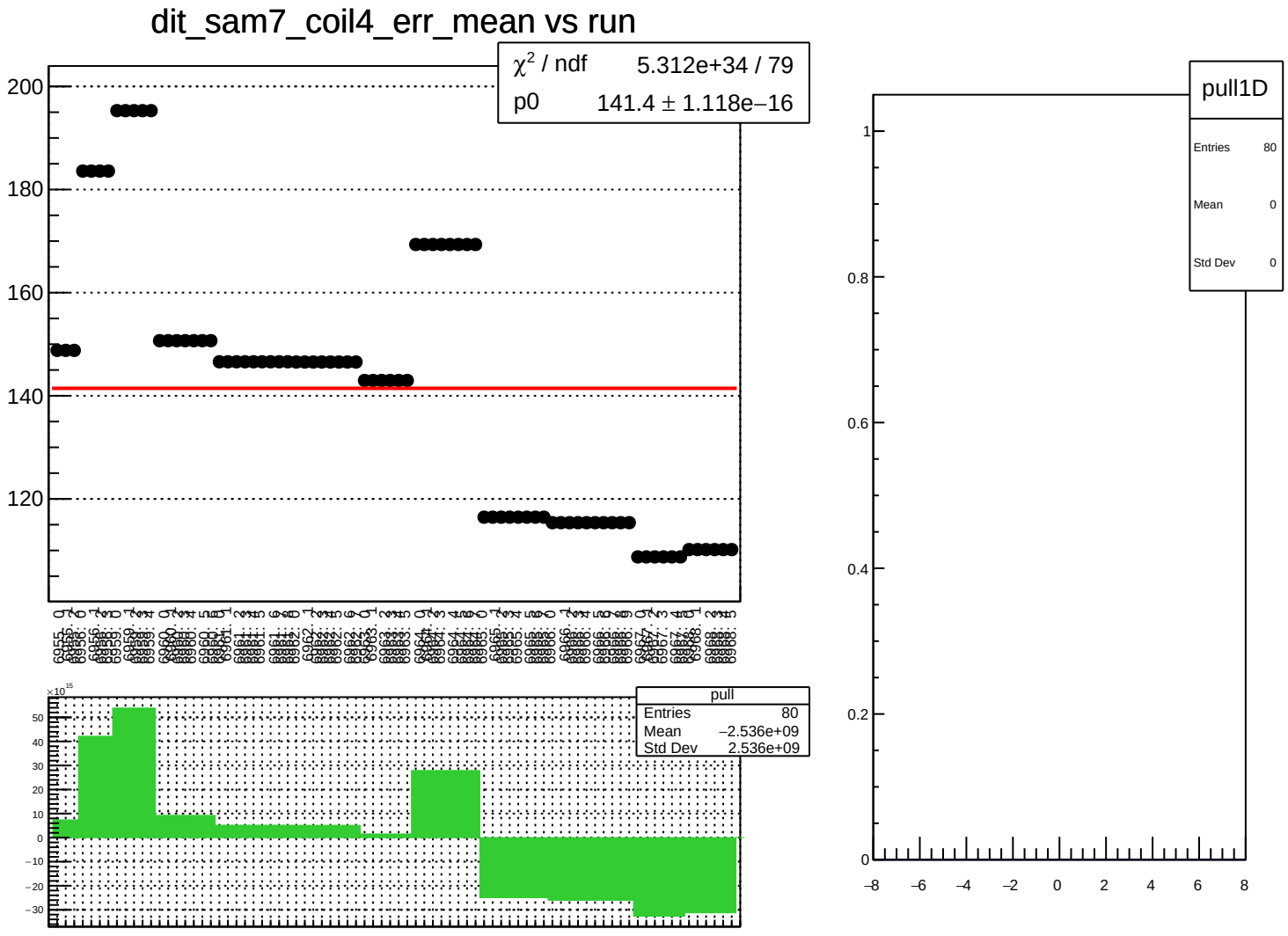

dit_sam6_coil4_mean vs run
χ² / ndf 7.434e+37 / 79
p0 2.17e+04 ± 1.118e−16
22500
22000
21500
21000
20500
20000
19500
19000
18500
pull
Entries 80
Mean −5.089e+08
Std Dev 5.089e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil4_err_mean vs run
χ² / ndf 2.068e+35 / 79
p0 274.8 ± 1.118e−16
420
400
380
360
340
320
300
280
260
240
220
pull
Entries 80
Mean 2.425e+09
Std Dev 2.425e+09
×10¹⁵
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

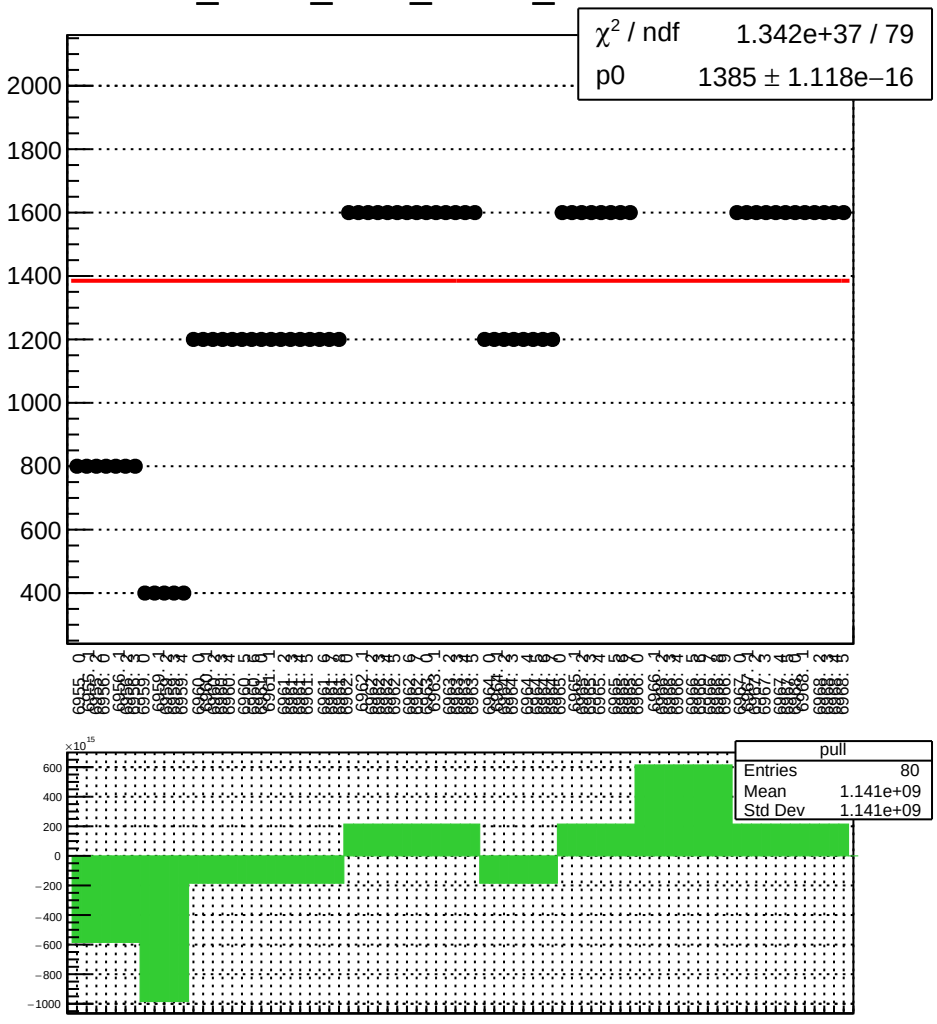

dit_sam6_coil4_Ndata_mean vs run
χ^2 / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

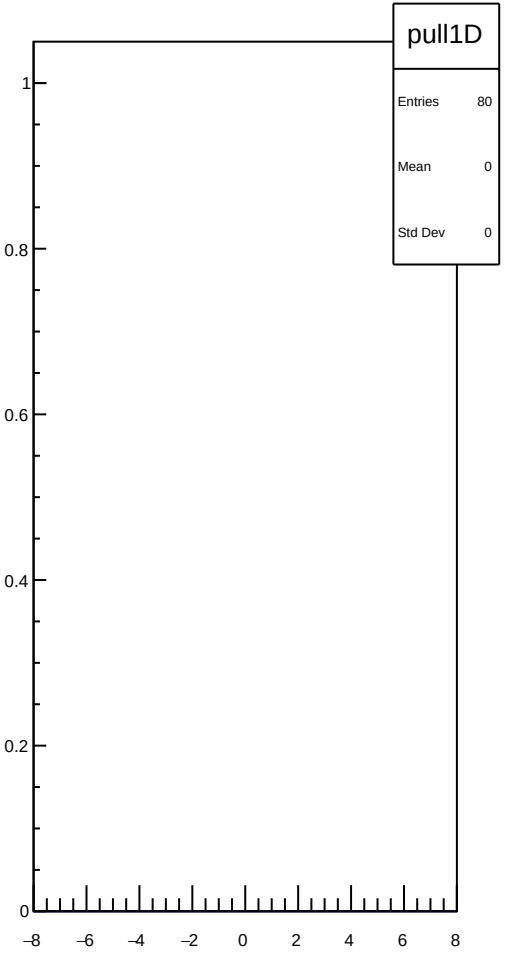

dit_sam7_coil4_mean vs run
χ² / ndf 6.622e+35 / 79
p0 −1427 ± 1.118e−16
−1200
−1250
−1300
−1350
−1400
−1450
−1500
−1550
−1600
−1650
pull
Entries 80
Mean 9.332e+08
Std Dev 9.332e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200

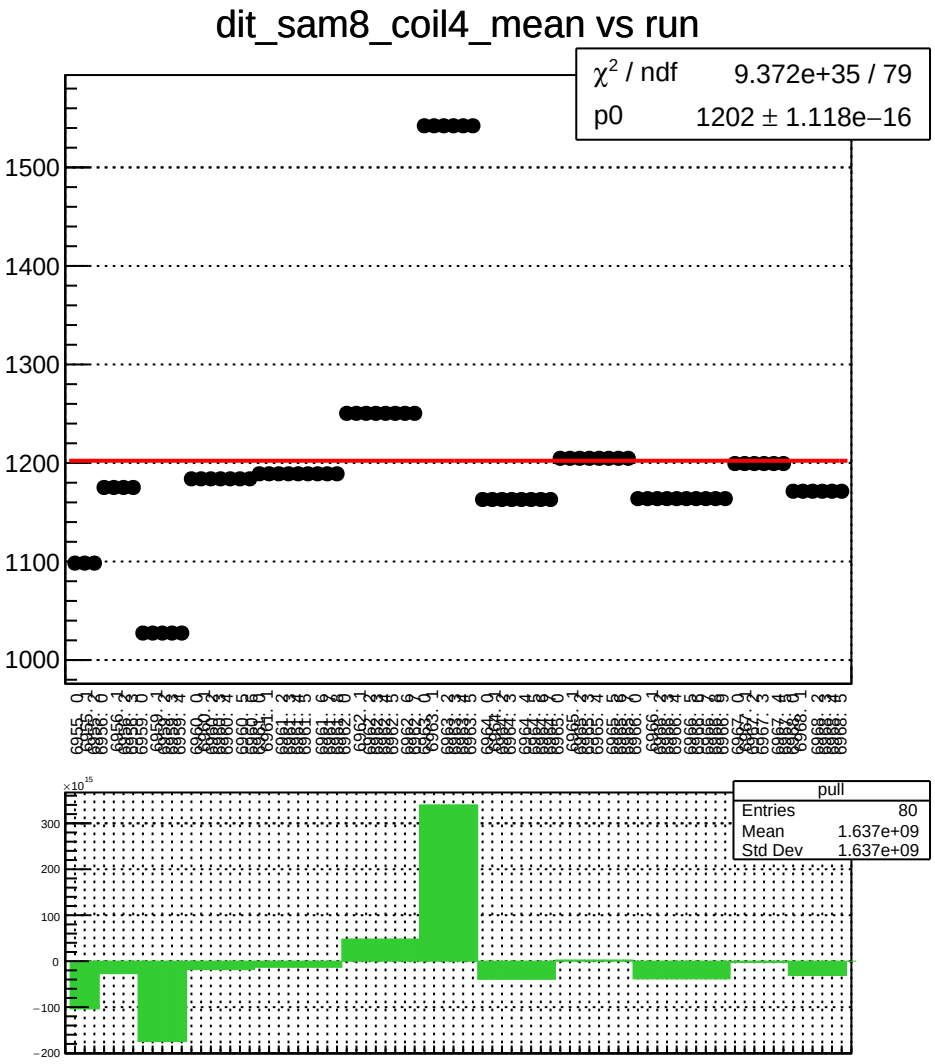

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

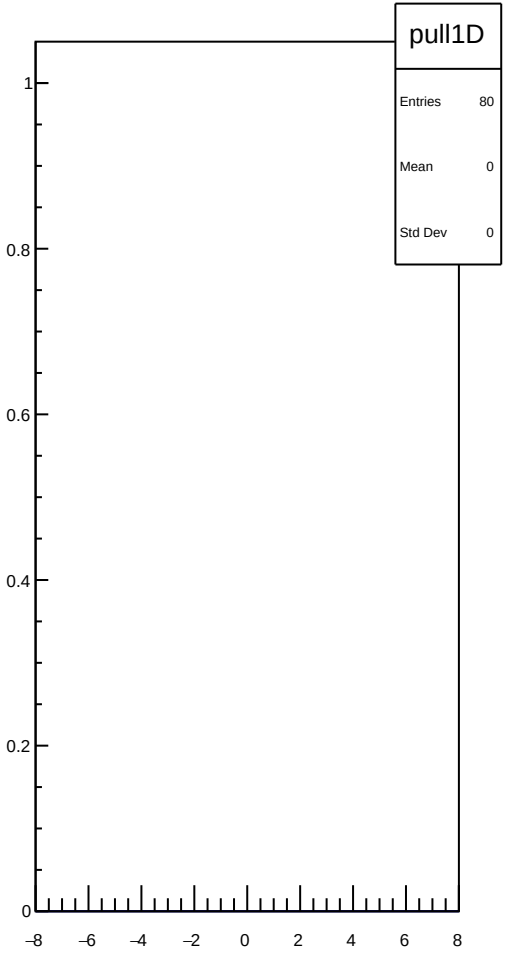

dit_sam7_coil4_err_mean vs run
χ² / ndf 5.312e+34 / 79
p0 141.4 ± 1.118e−16
200
180
160
140
120
pull
Entries 80
Mean −2.536e+09
Std Dev 2.536e+09
×10^15
50
40
30
20
10
0
−10
−20
−30
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

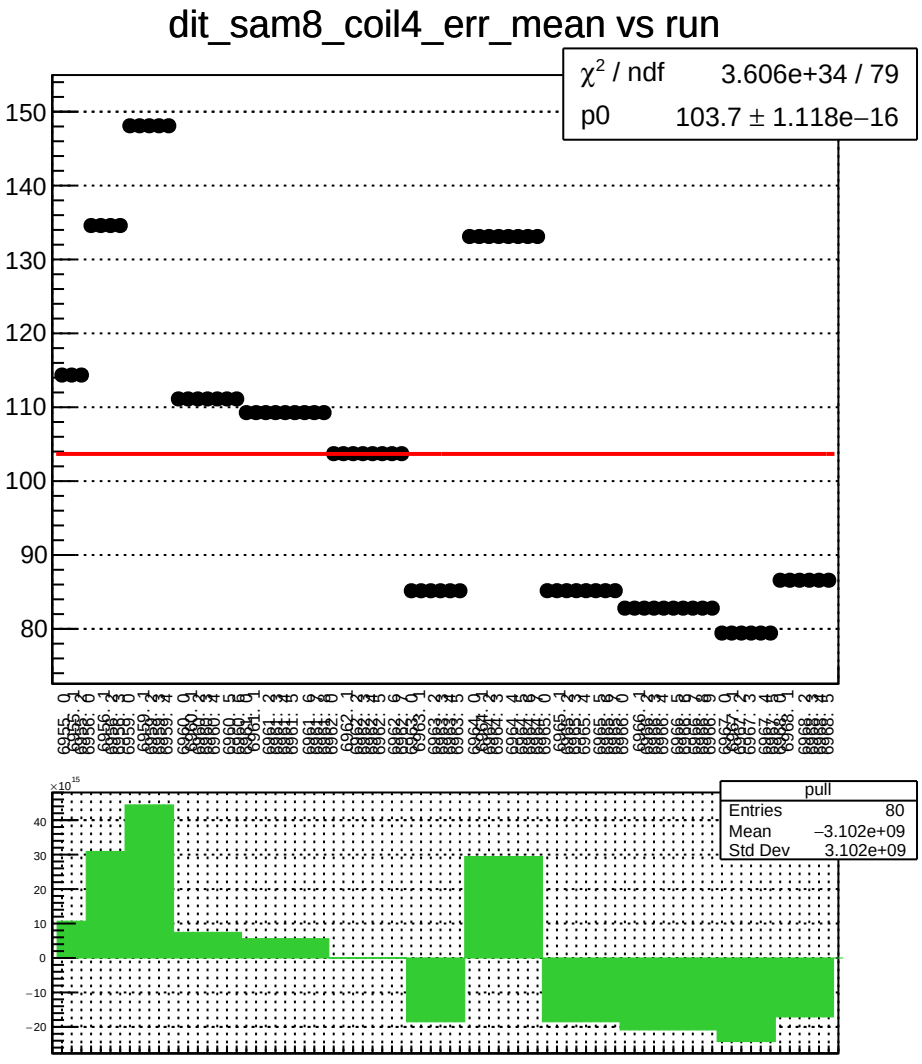
dit_sam7_coil4_Ndata_mean vs run

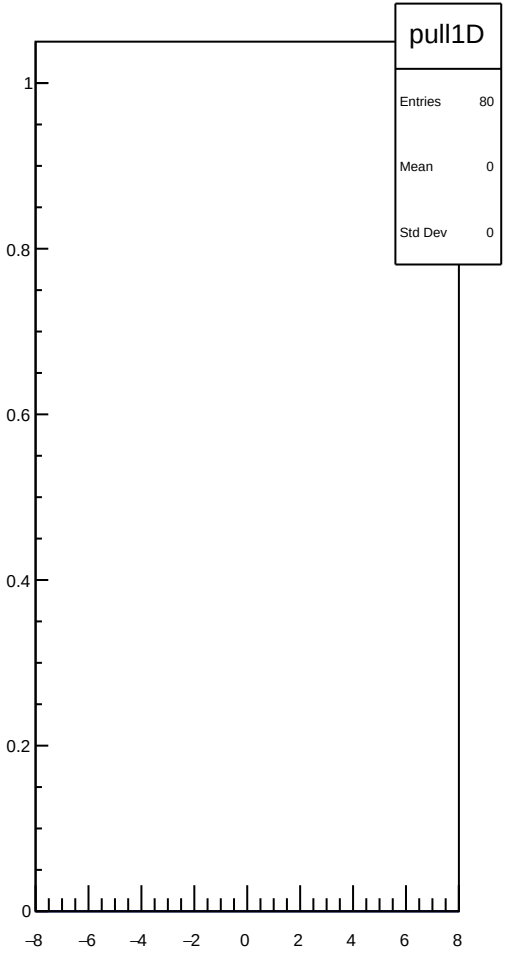


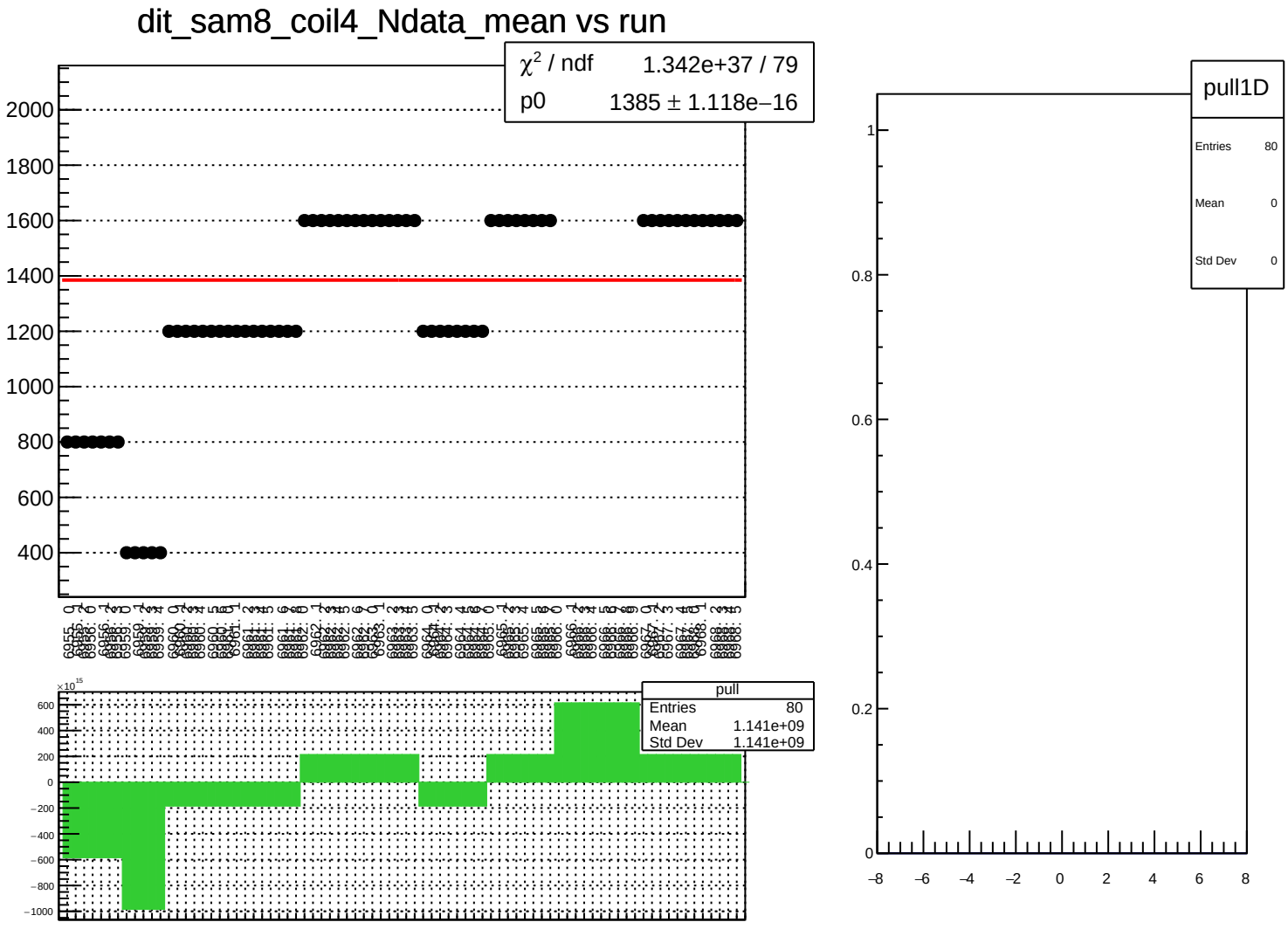



dit_sam8_coil4_mean vs run
χ² / ndf 9.372e+35 / 79
p0 1202 ± 1.118e−16
1500
1400
1300
1200
1100
1000
pull
Entries 80
Mean 1.637e+09
Std Dev 1.637e+09
×10¹⁵
300
200
100
0
−100
−200

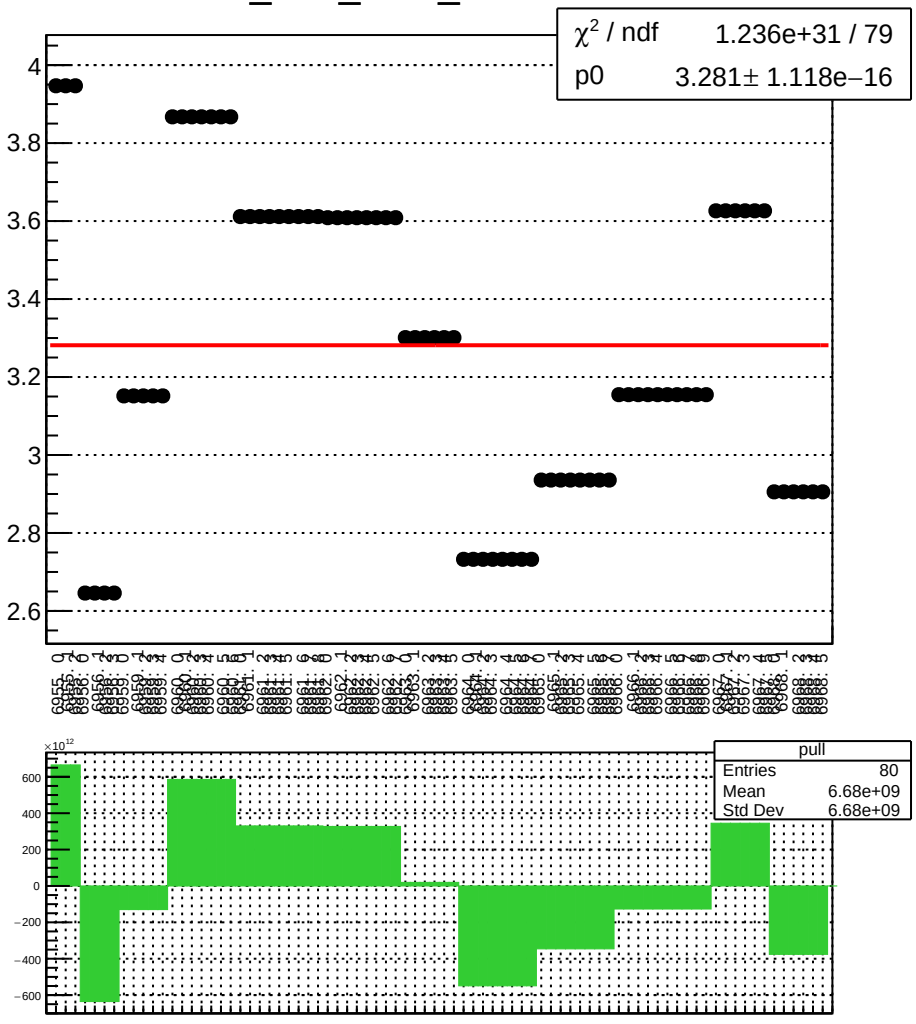

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

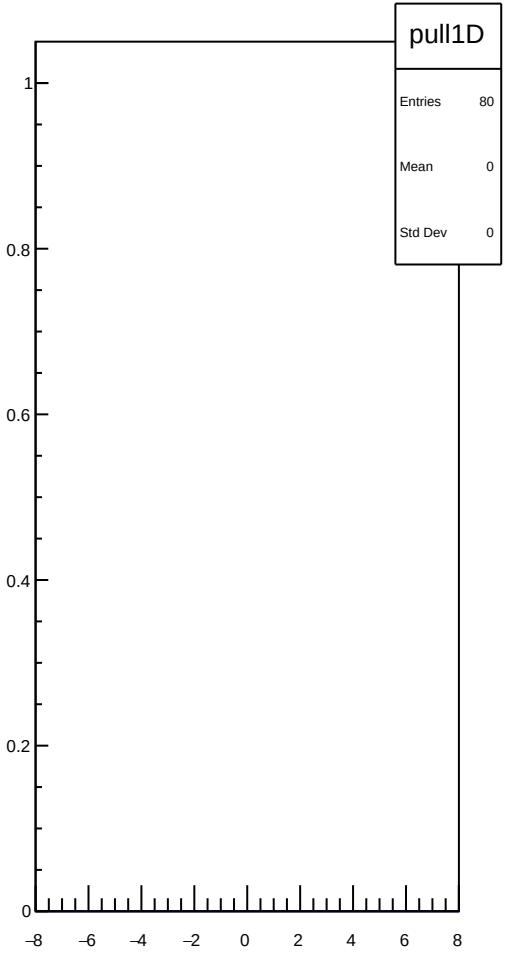

dit_sam8_coil4_err_mean vs run
χ² / ndf 3.606e+34 / 79
p0 103.7 ± 1.118e−16
150
140
130
120
110
100
90
80
pull
Entries 80
Mean −3.102e+09
Std Dev 3.102e+09
×10¹⁵
40
30
20
10
0
−10
−20


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

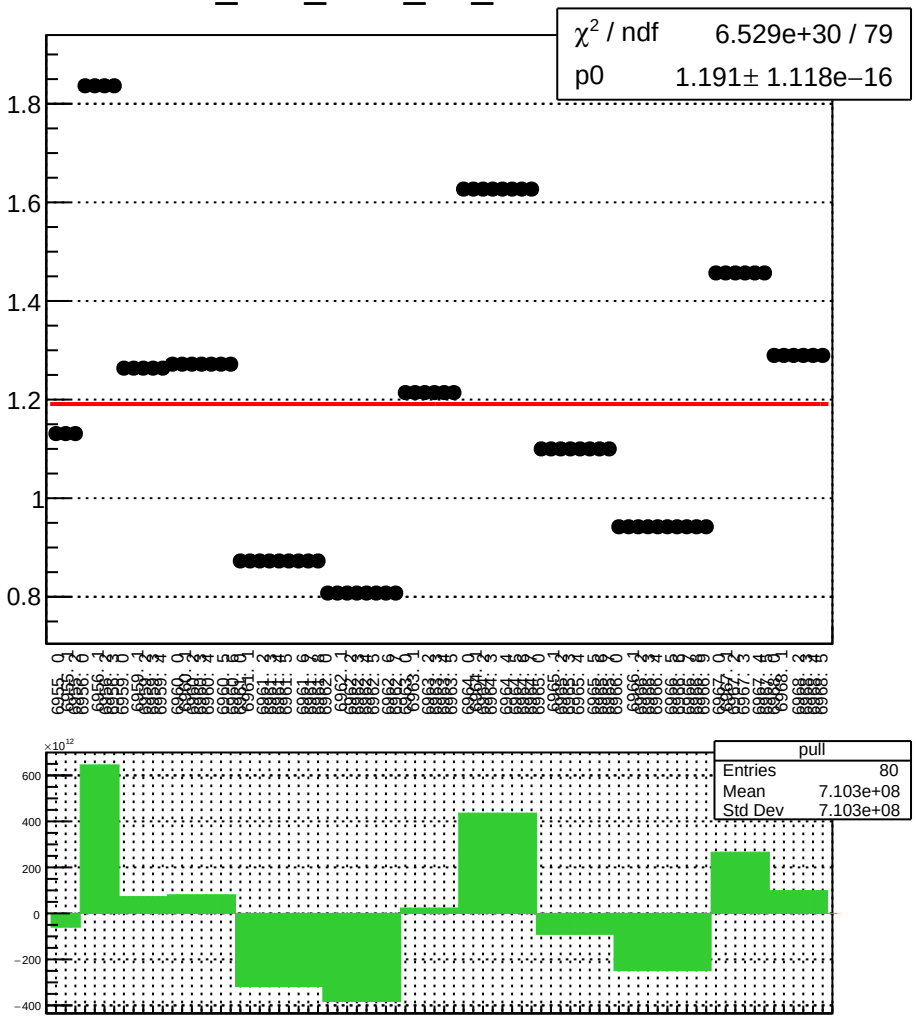

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.342e+37 / 79
p0 1385 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

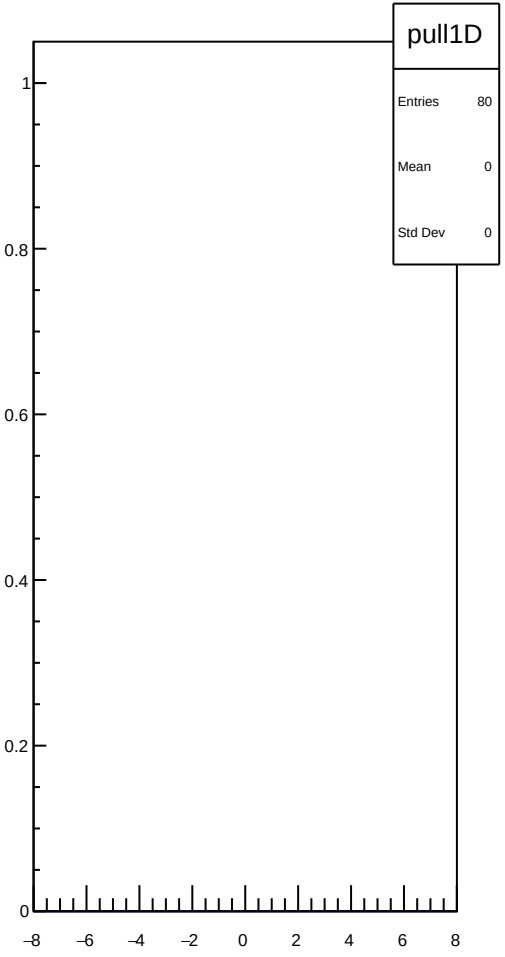
dit_4aX_coil6_mean vs run

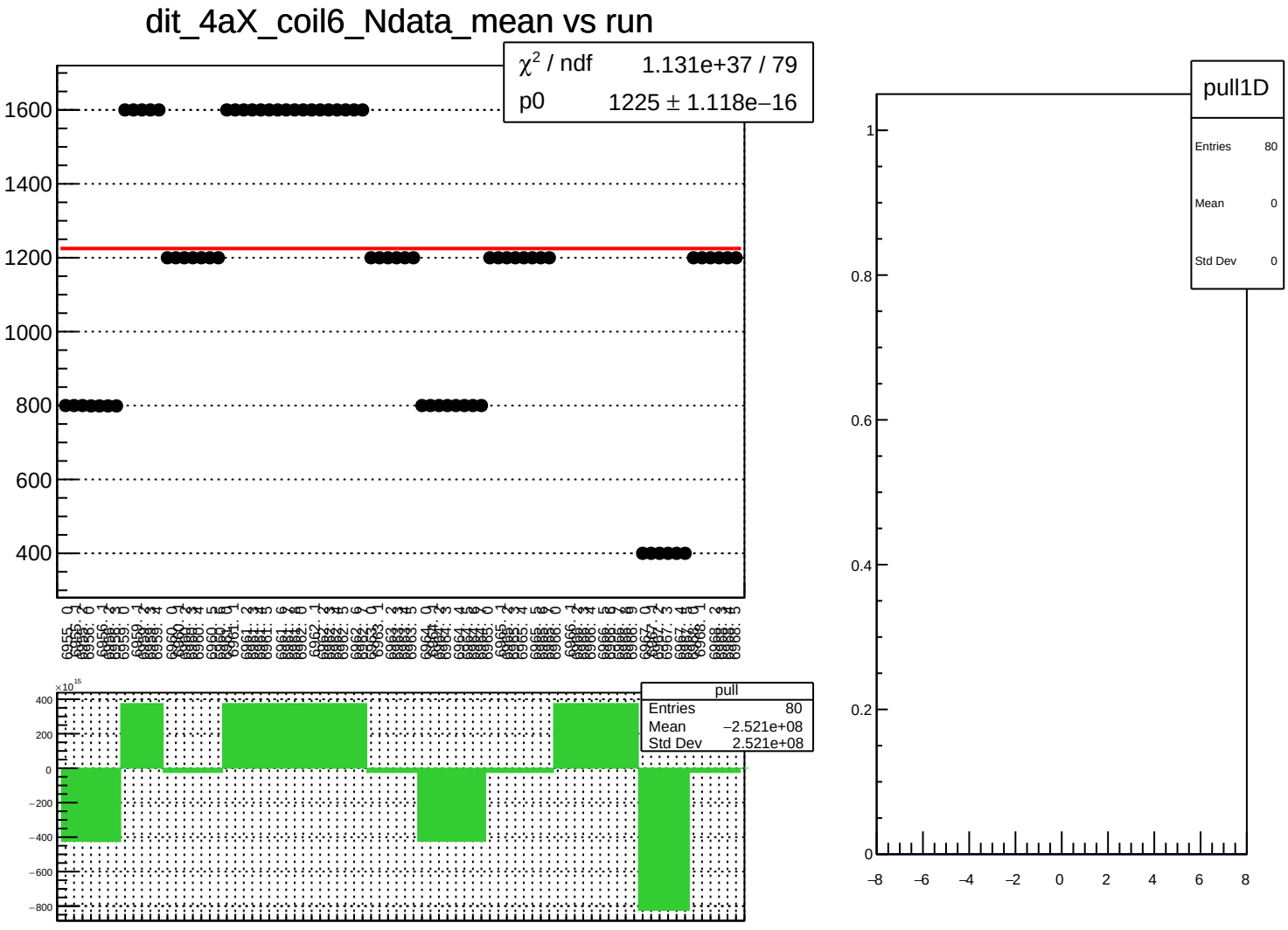


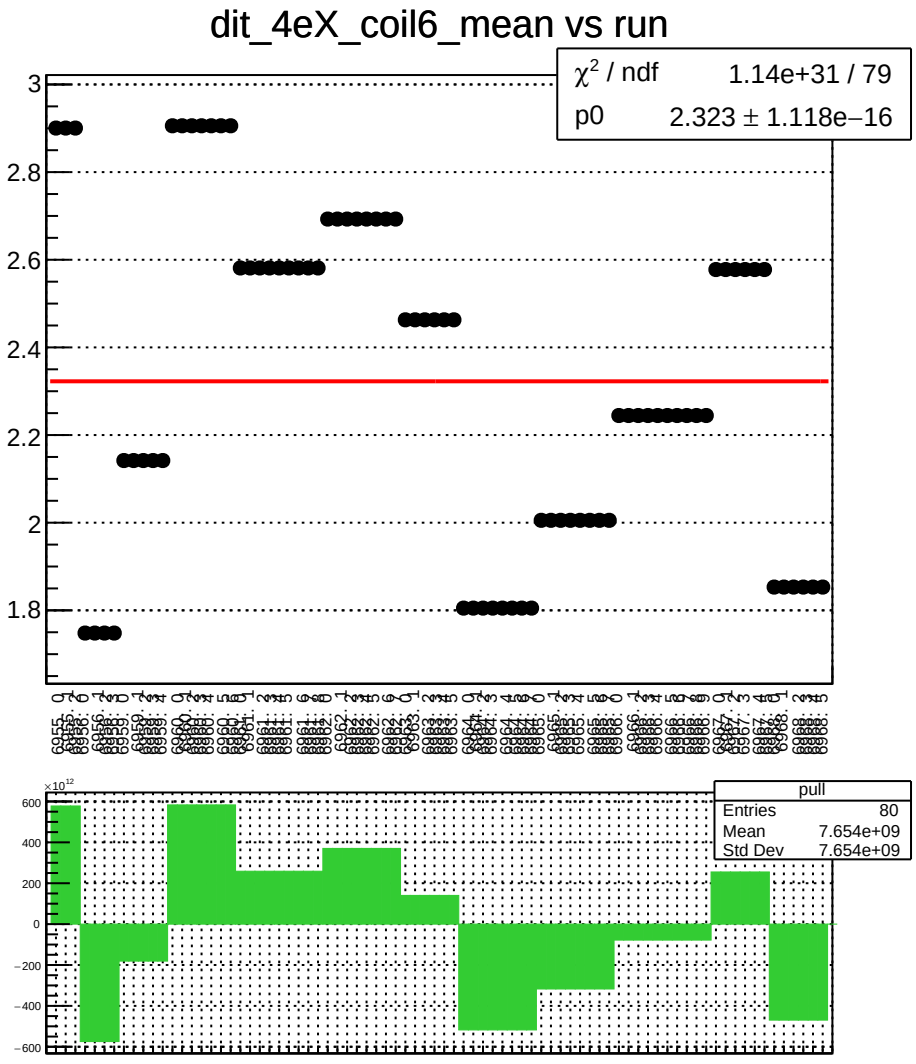


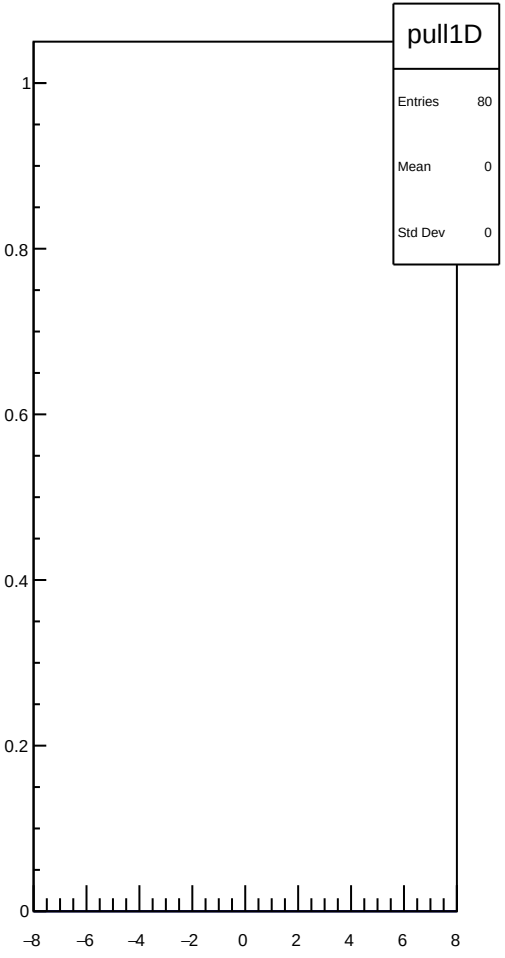
dit_4aX_coil6_err_mean vs run



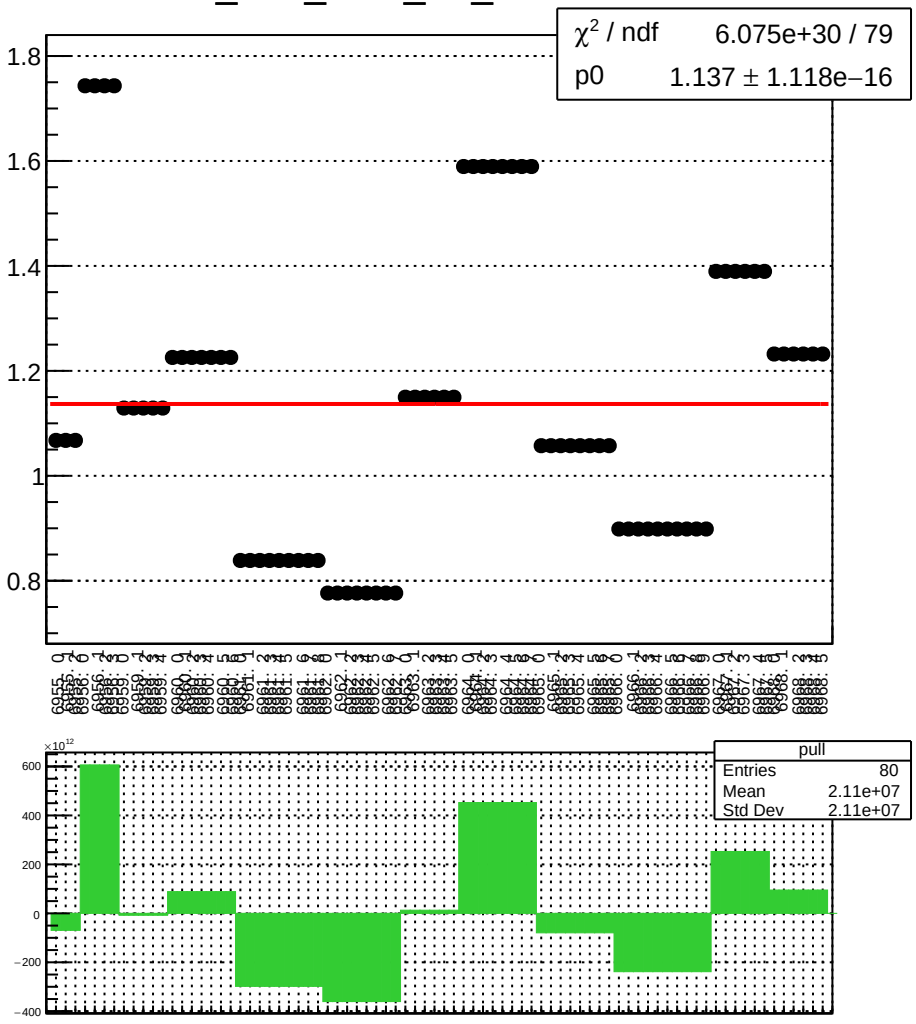


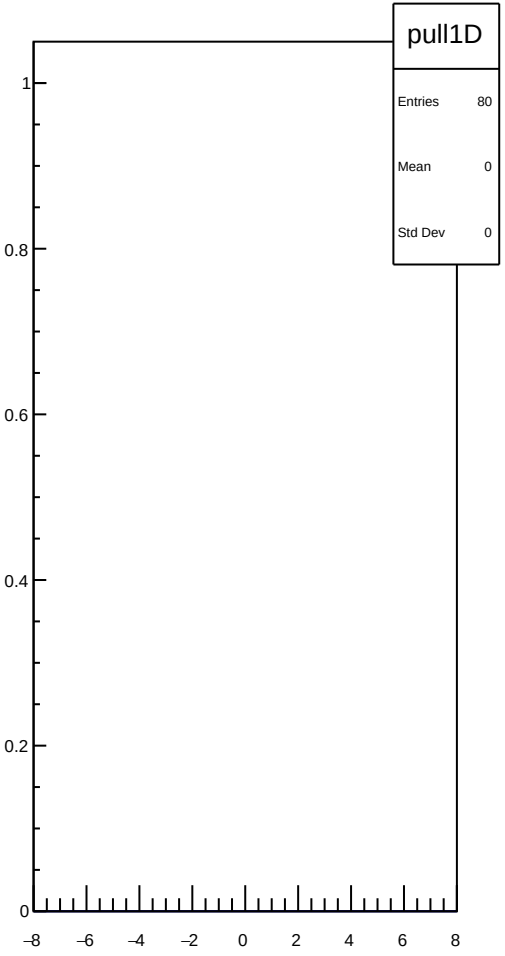

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

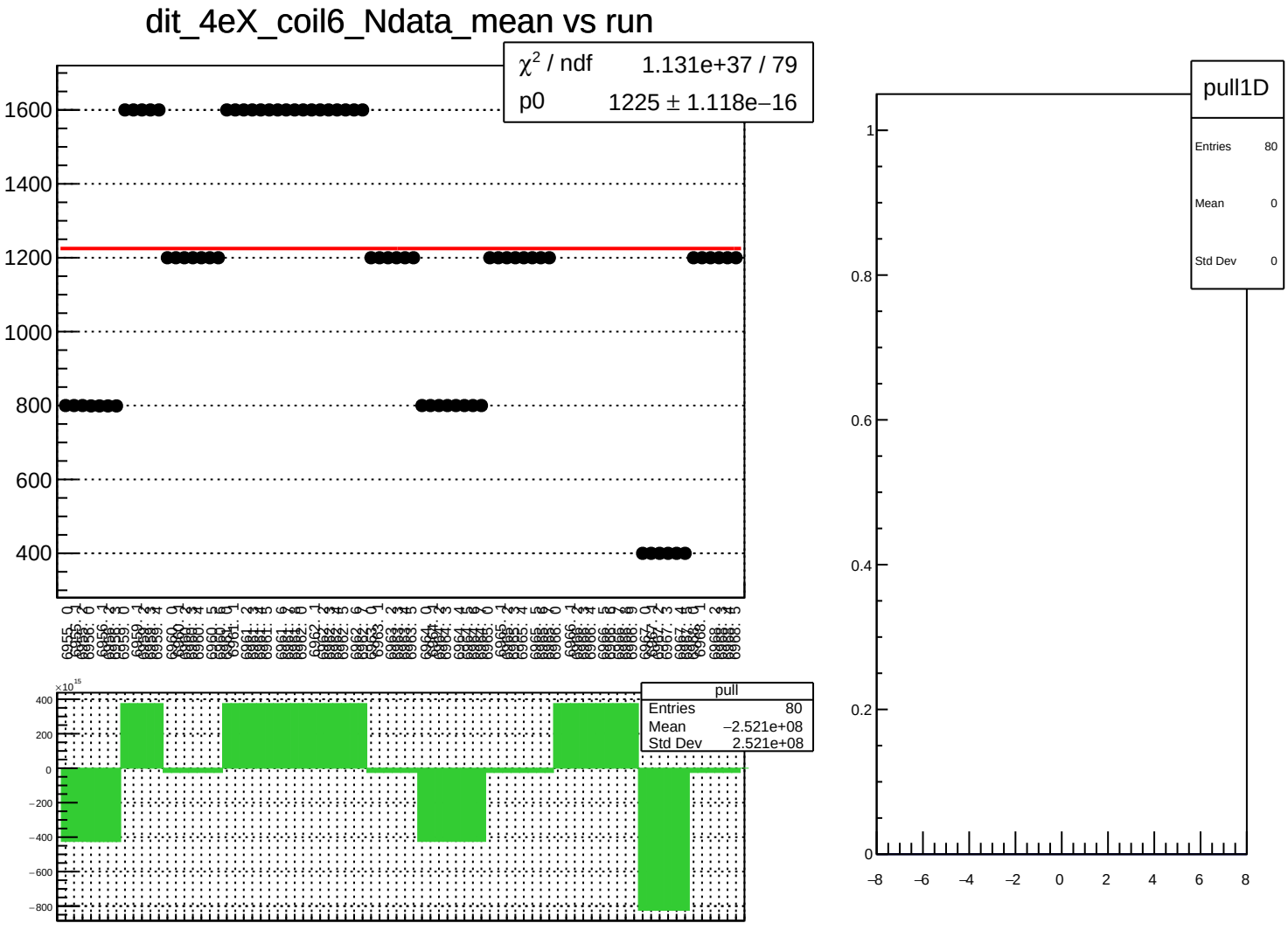

dit_4eX_coil6_mean vs run
χ^2 / ndf 1.14e+31 / 79
p0 2.323 ± 1.118e−16
pull
Entries 80
Mean 7.654e+09
Std Dev 7.654e+09
×10^12

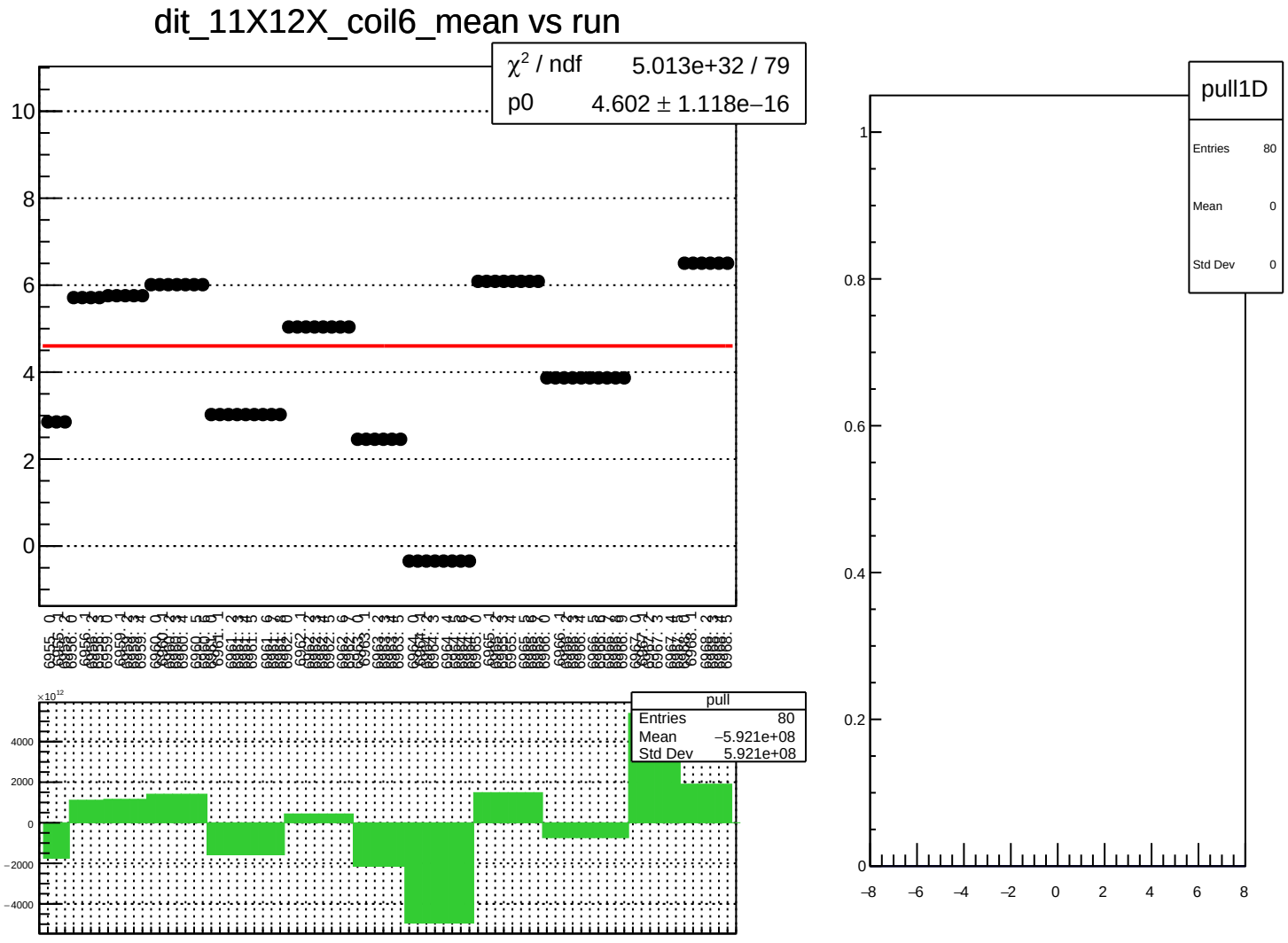

pull1D
Entries 80
Mean 0
Std Dev 0

dit_4eX_coil6_err_mean vs run

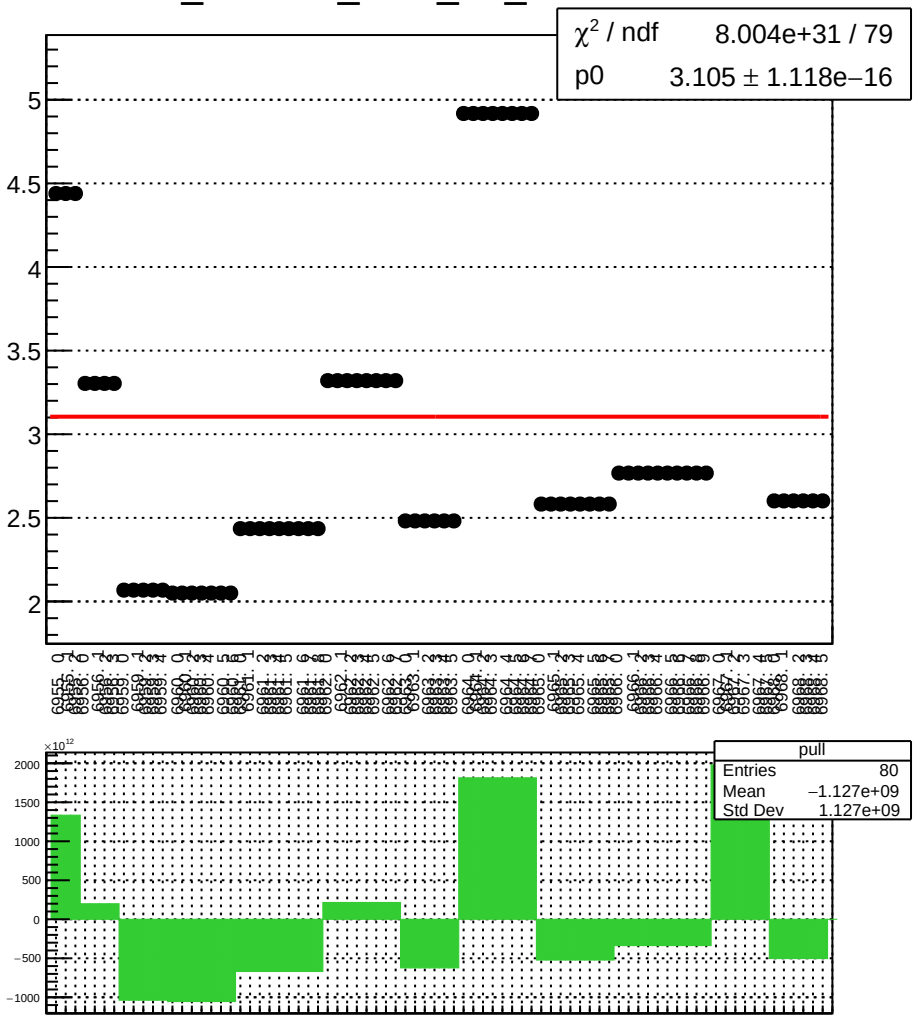


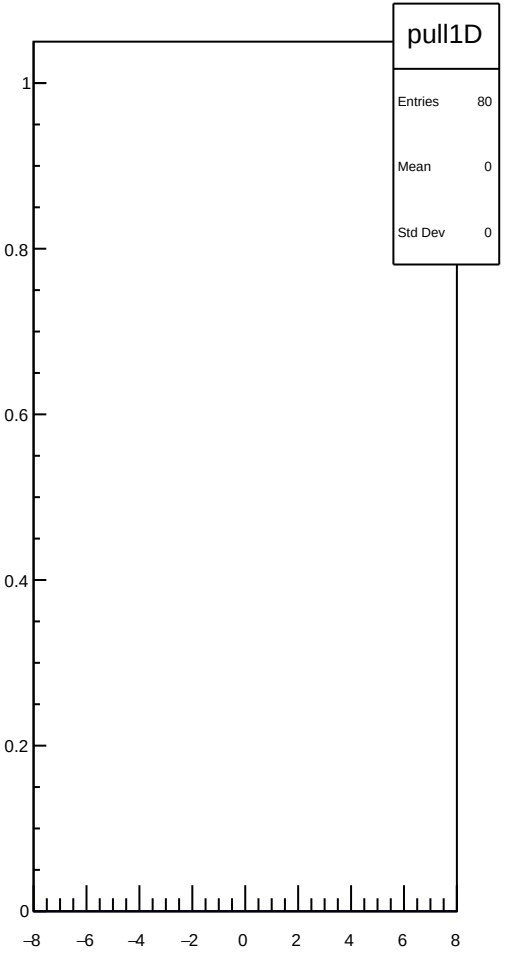


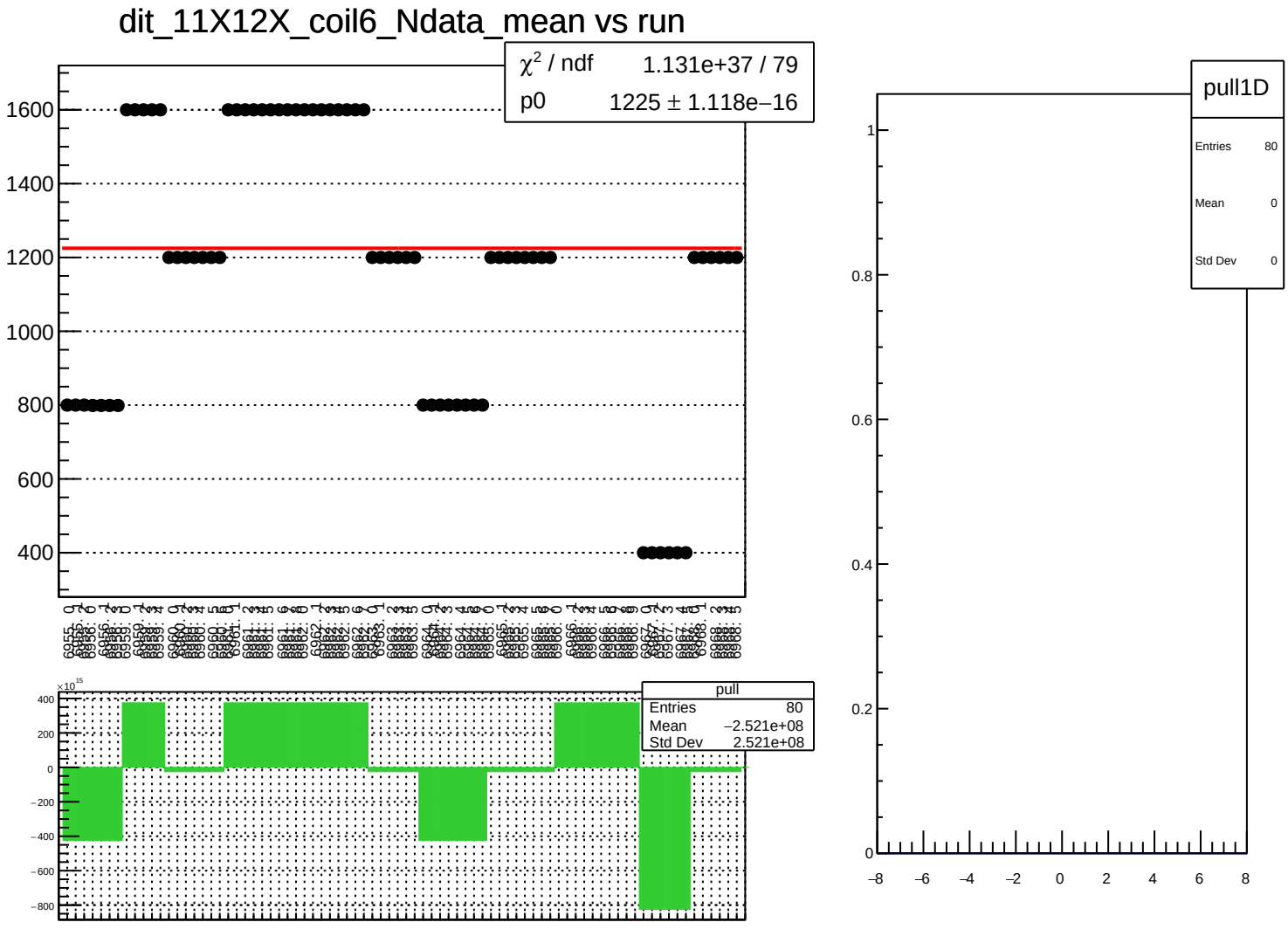

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

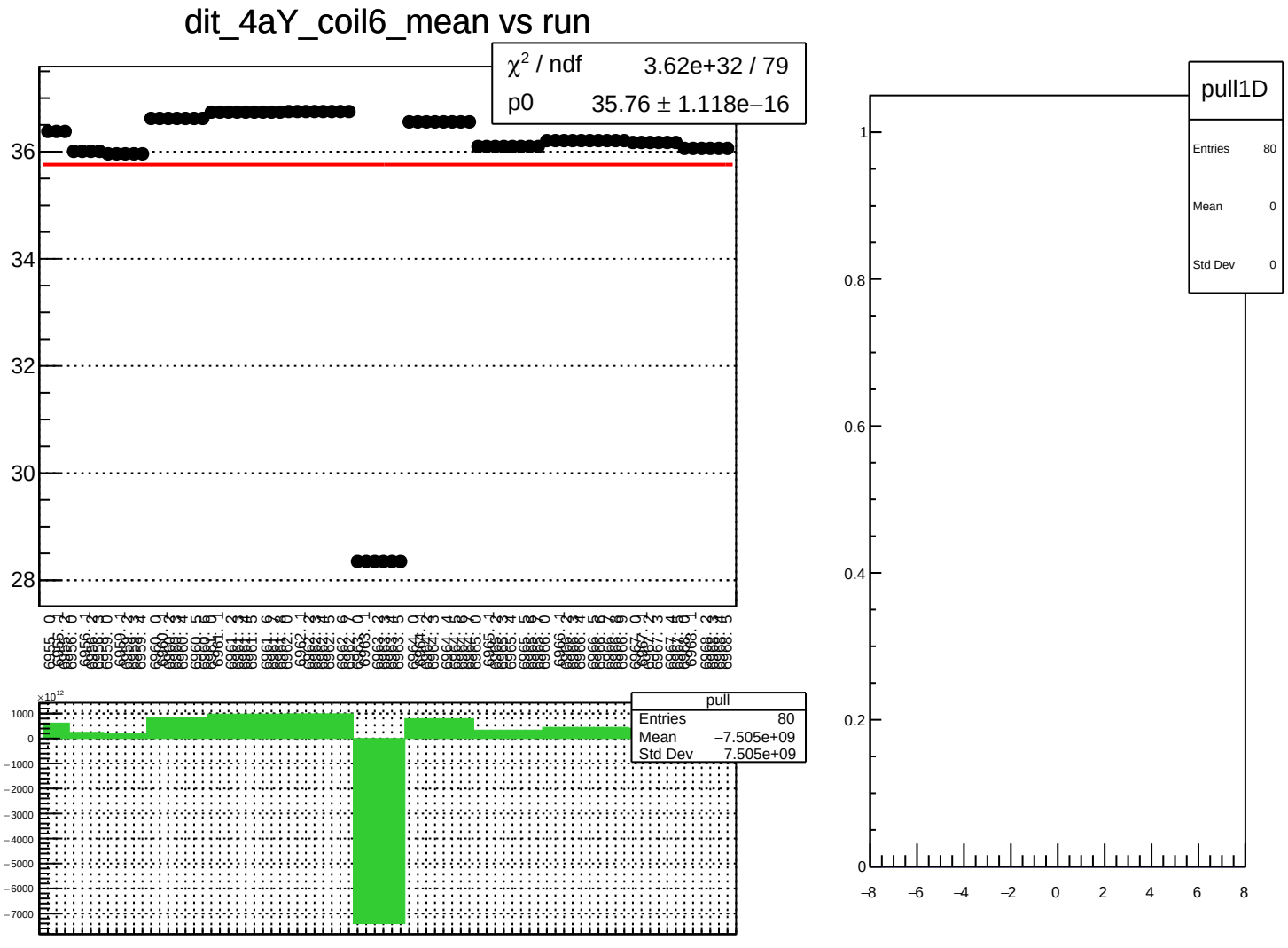

dit_11X12X_coil6_mean vs run
χ² / ndf 5.013e+32 / 79
p0 4.602 ± 1.118e−16
pull
Entries 80
Mean −5.921e+08
Std Dev 5.921e+08
pull1D
Entries 80
Mean 0
Std Dev 0

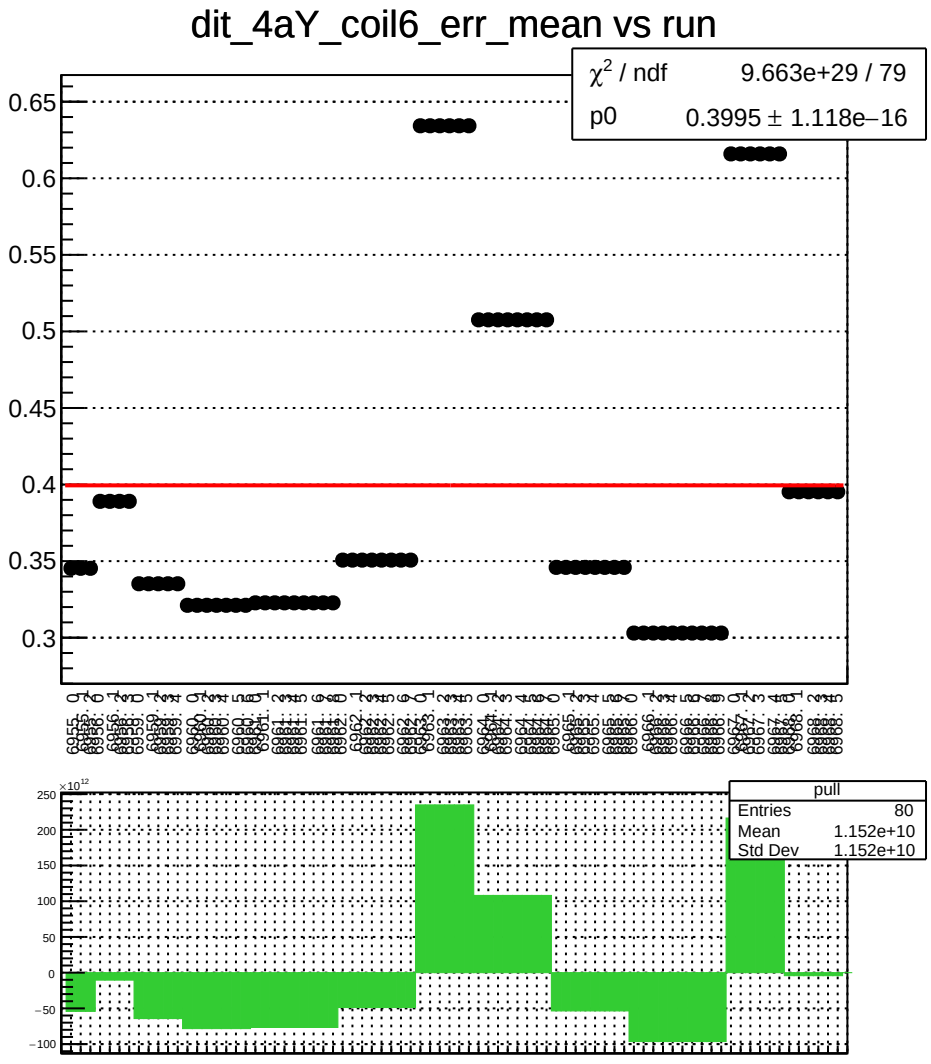
dit_11X12X_coil6_err_mean vs run

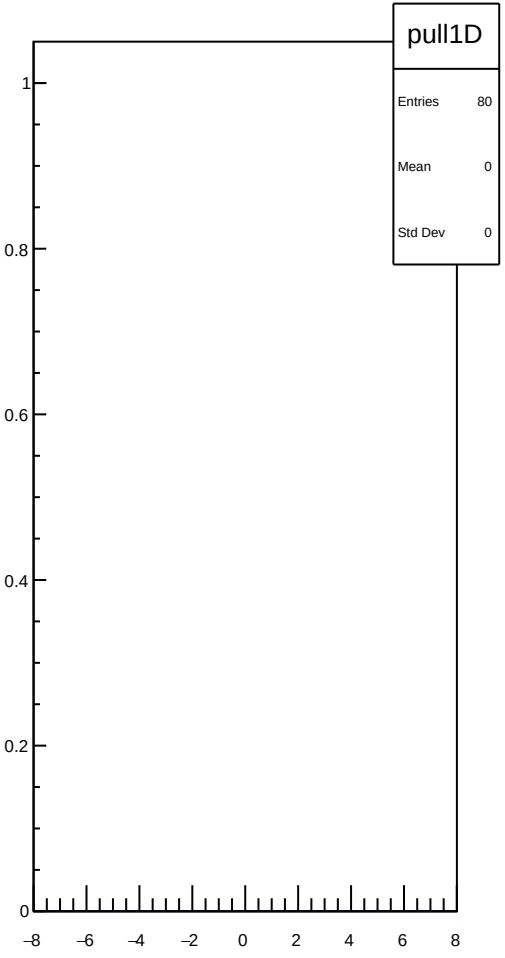




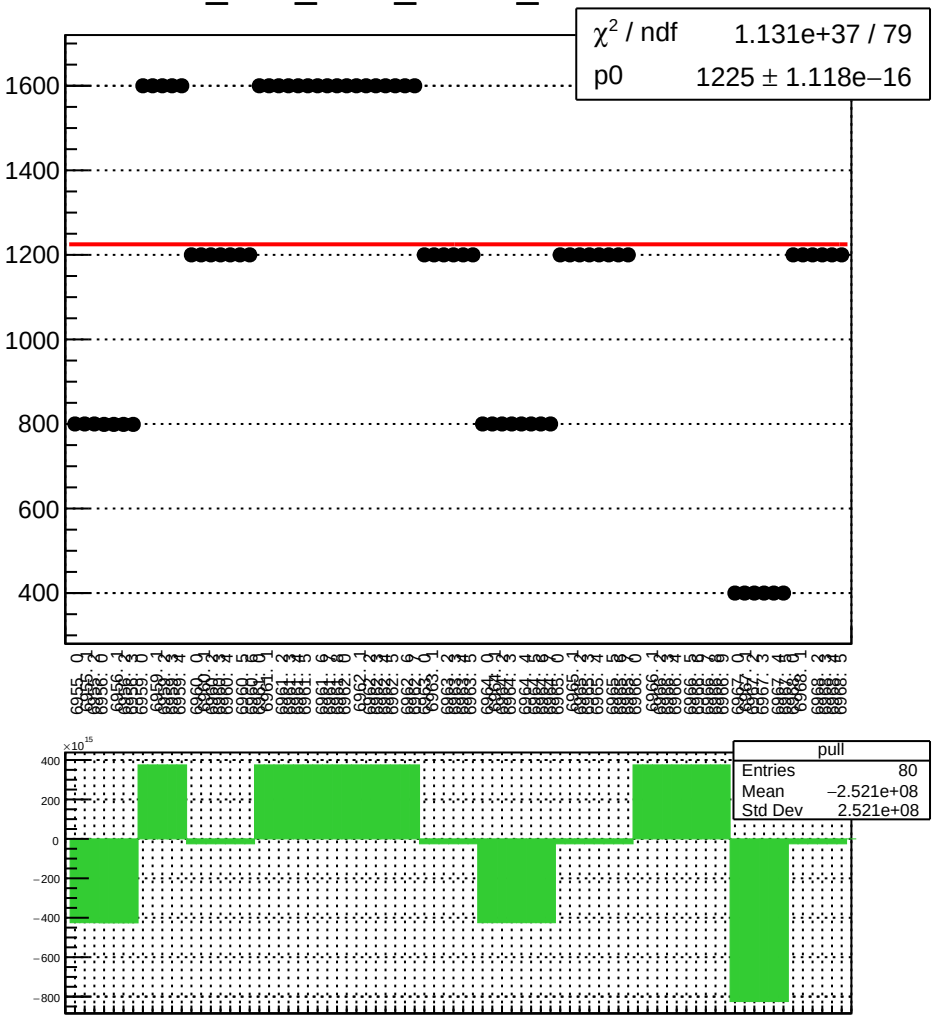

dit_11X12X_coil6_Ndata_mean vs run
χ^2 / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

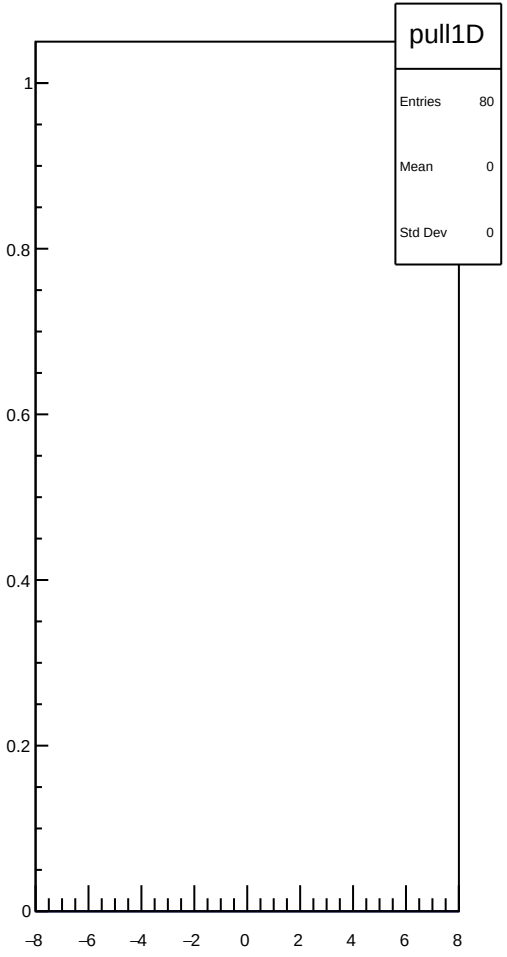

dit_4aY_coil6_mean vs run
χ² / ndf 3.62e+32 / 79
p0 35.76 ± 1.118e−16
36
34
32
30
28
pull
Entries 80
Mean −7.505e+09
Std Dev 7.505e+09
×10¹²
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

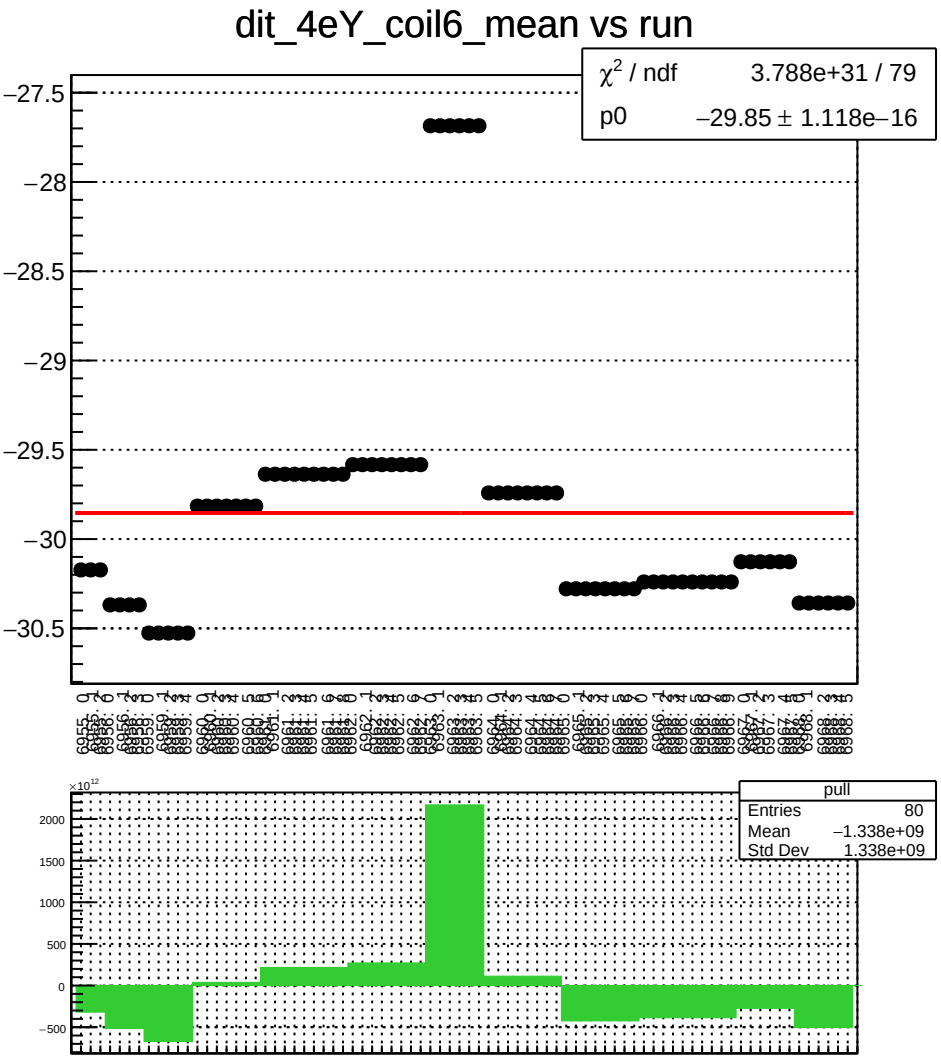

dit_4aY_coil6_err_mean vs run
χ^2 / ndf 9.663e+29 / 79
p0 0.3995 ± 1.118e−16
pull
Entries 80
Mean 1.152e+10
Std Dev 1.152e+10

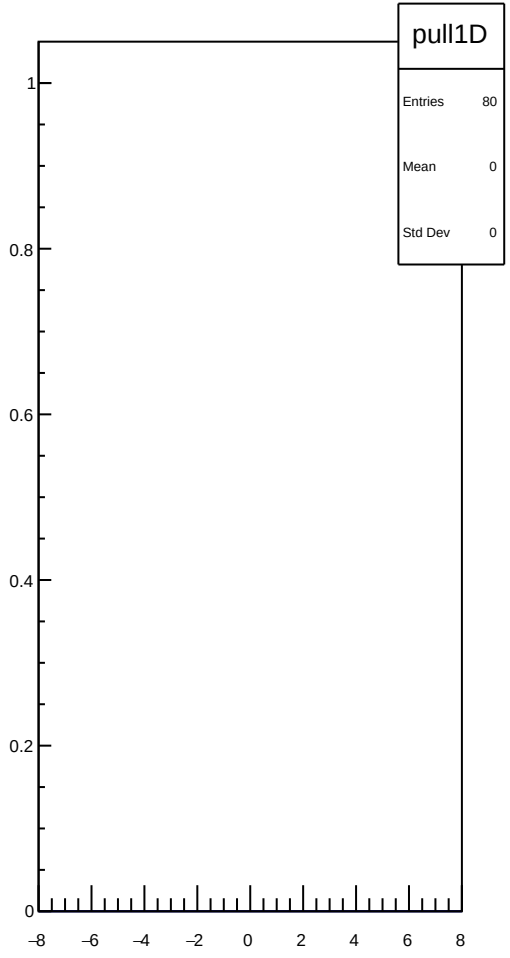

pull1D
Entries 80
Mean 0
Std Dev 0

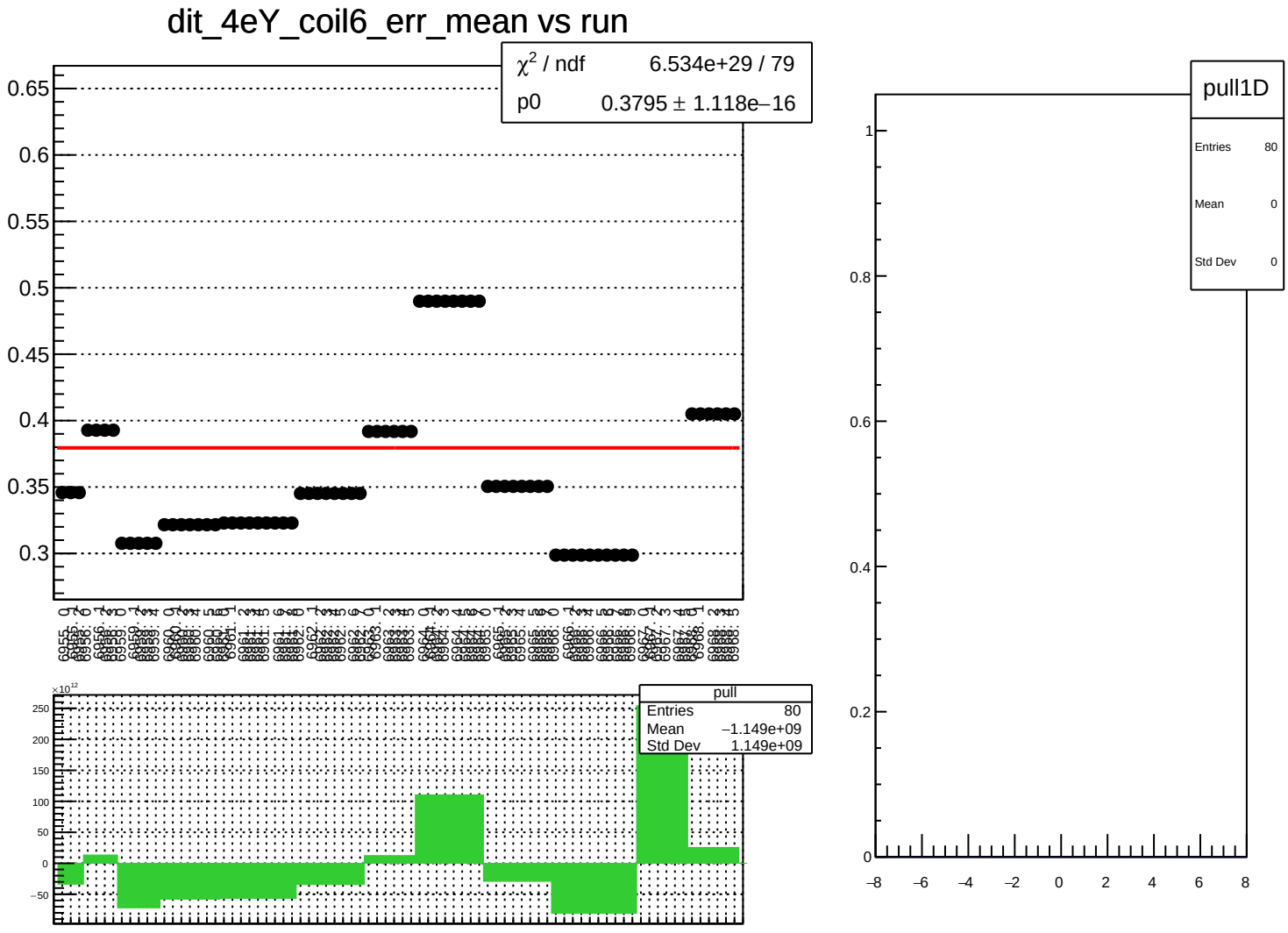
dit_4aY_coil6_Ndata_mean vs run

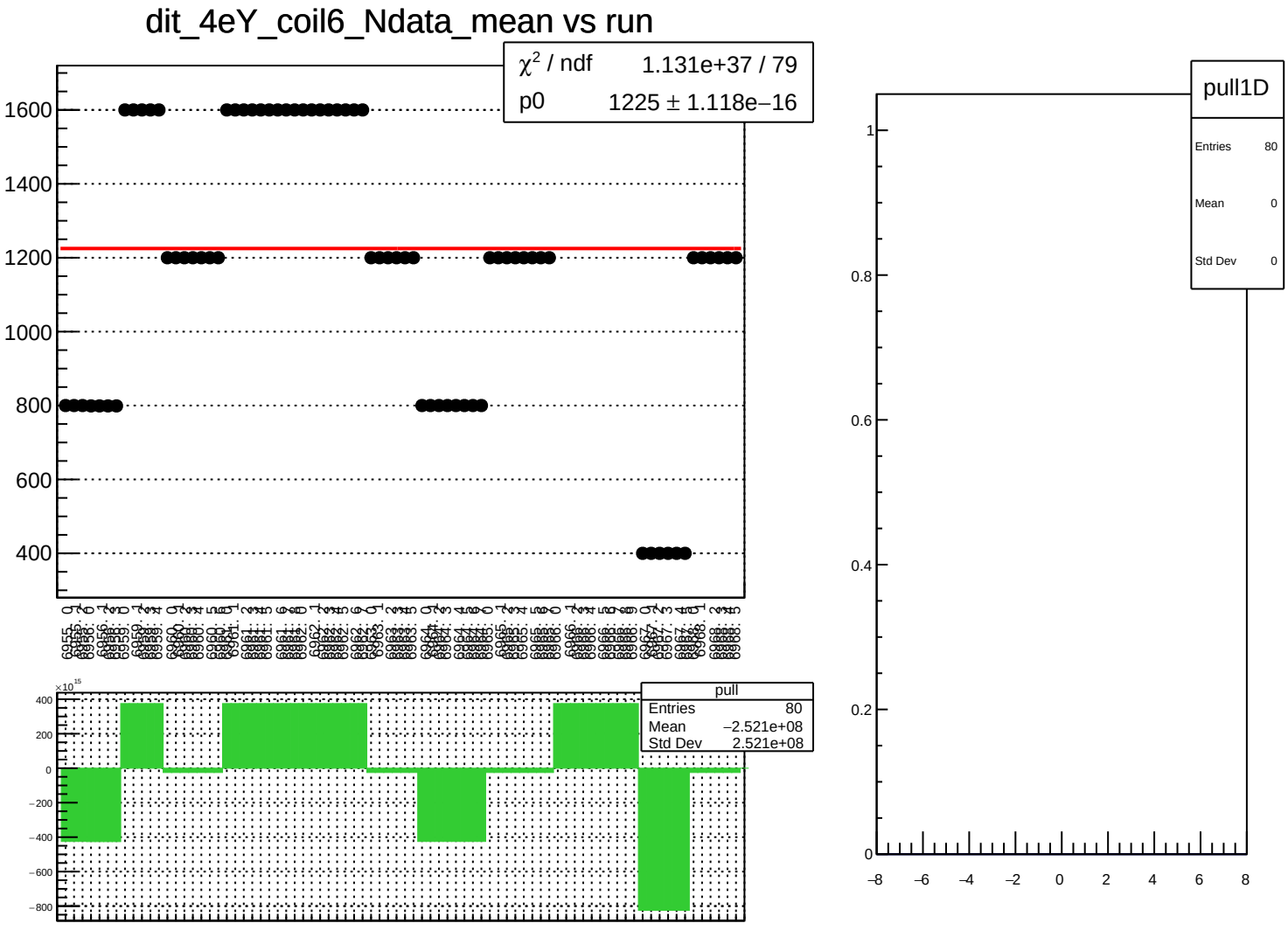


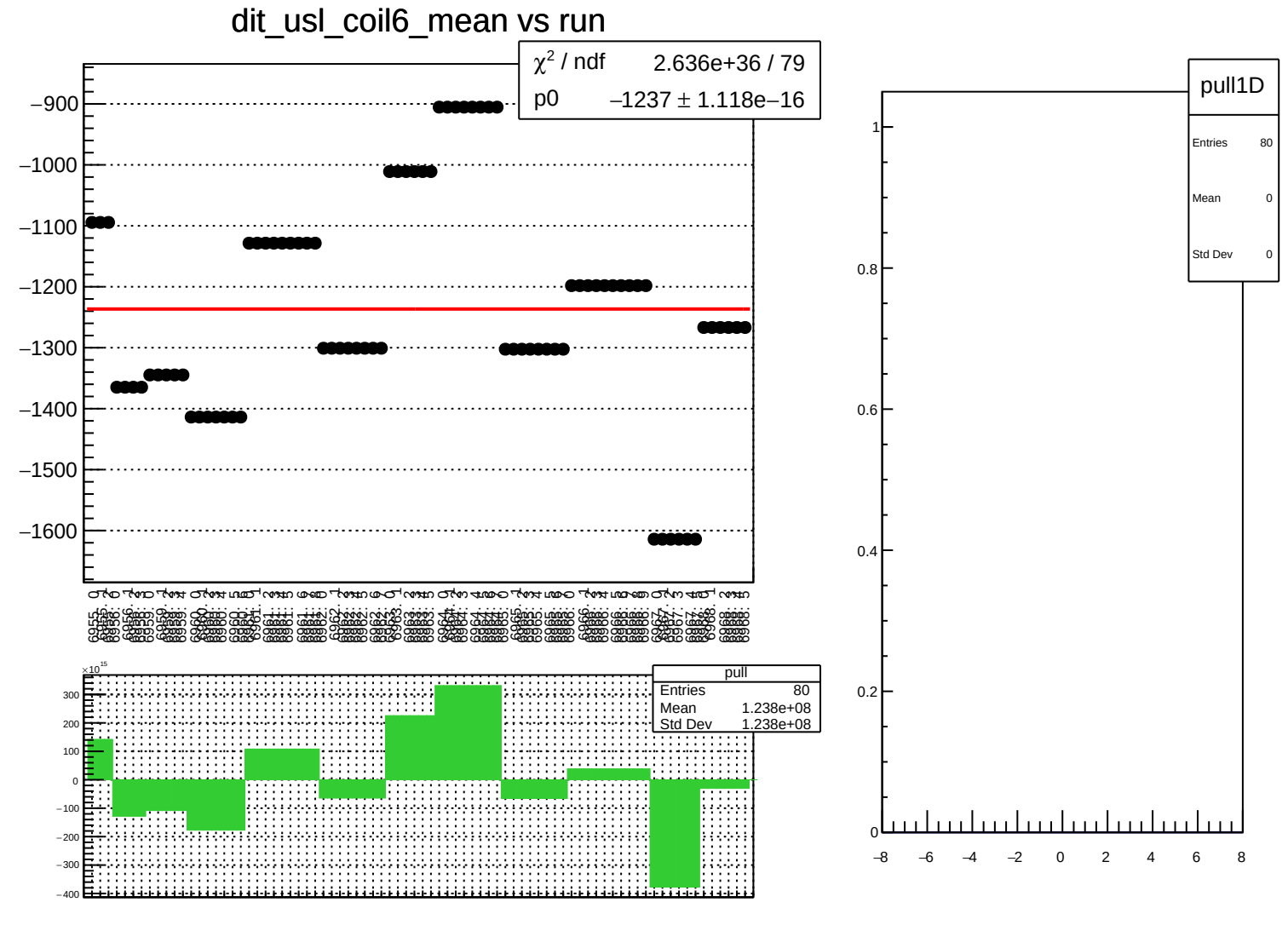


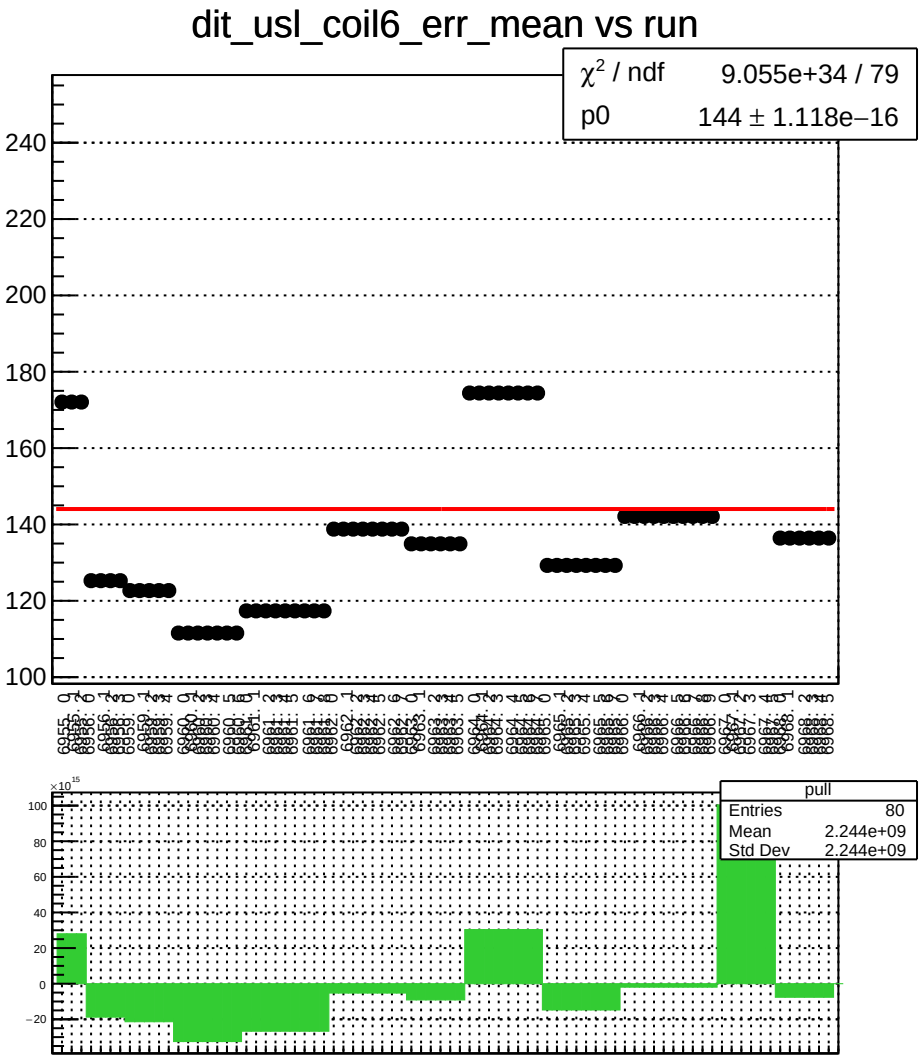

dit_4eY_coil6_mean vs run
χ^2 / ndf 3.788e+31 / 79
p0 −29.85 ± 1.118e−16
−27.5
−28
−28.5
−29
−29.5
−30
−30.5
pull
Entries 80
Mean −1.338e+09
Std Dev 1.338e+09
×10^12
2000
1500
1000
500
0
−500

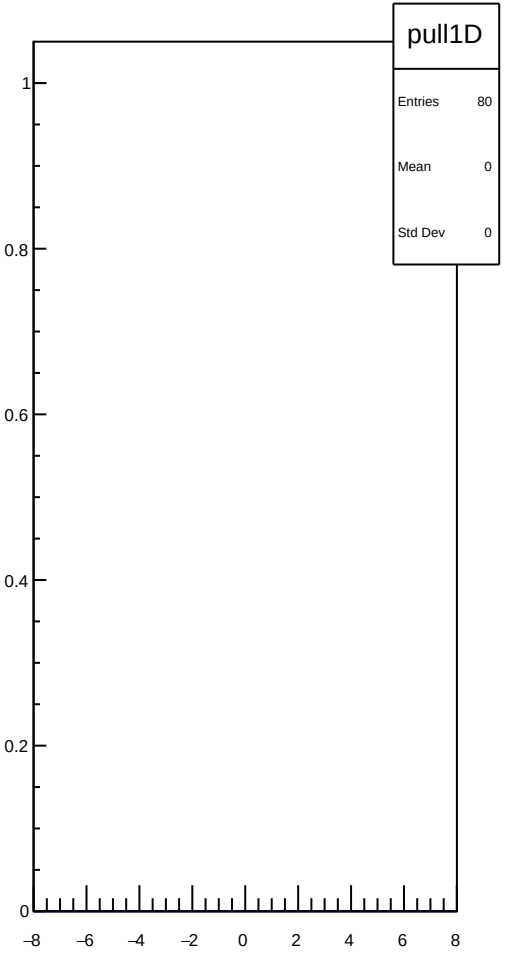

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

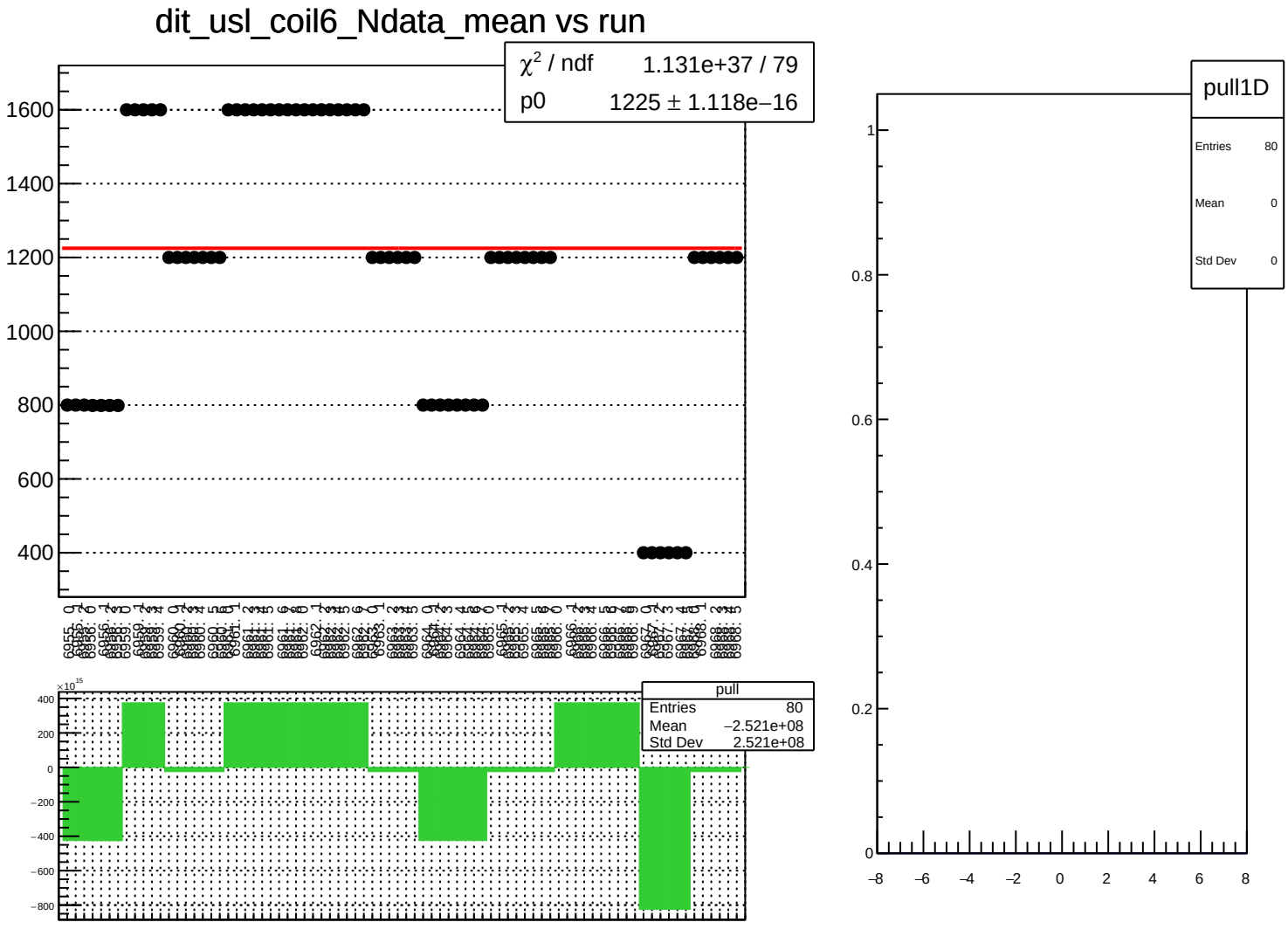

dit_4eY_coil6_err_mean vs run
χ² / ndf 6.534e+29 / 79
p0 0.3795 ± 1.118e−16
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
pull
Entries 80
Mean −1.149e+09
Std Dev 1.149e+09
×10¹²
250
200
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

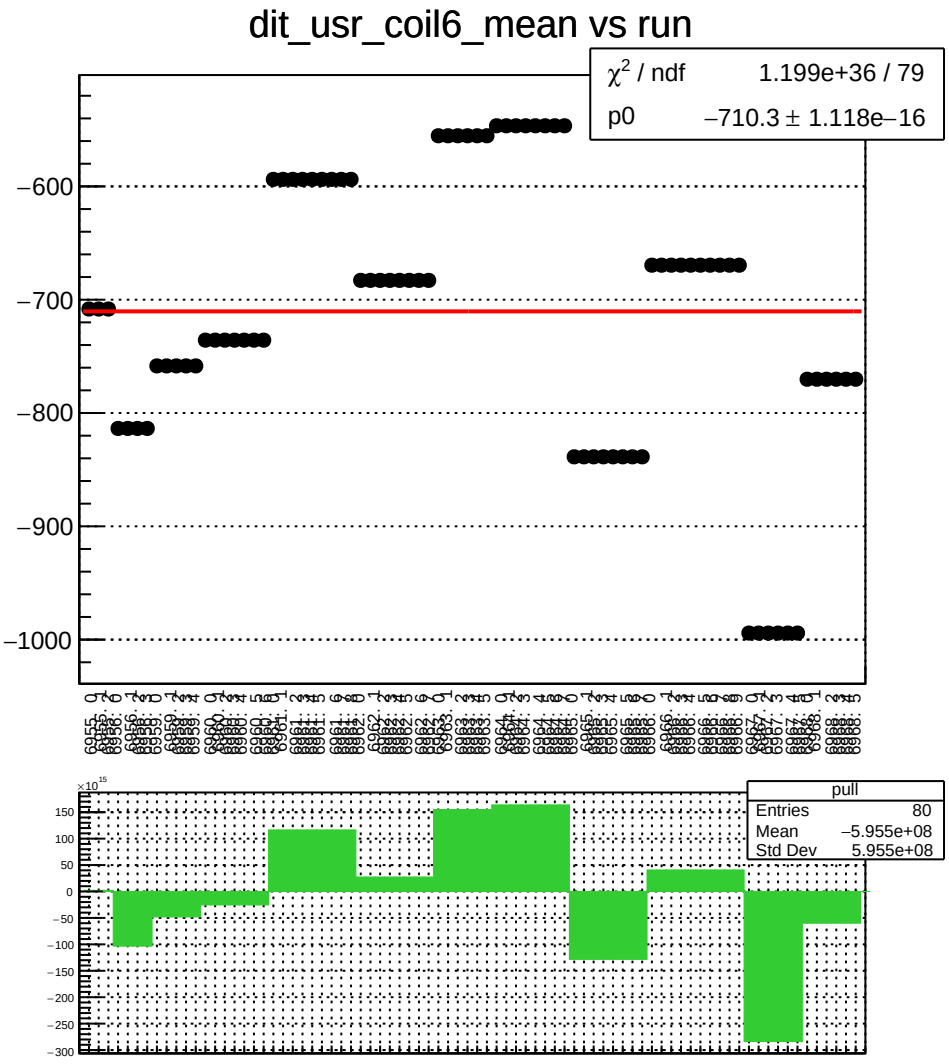

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

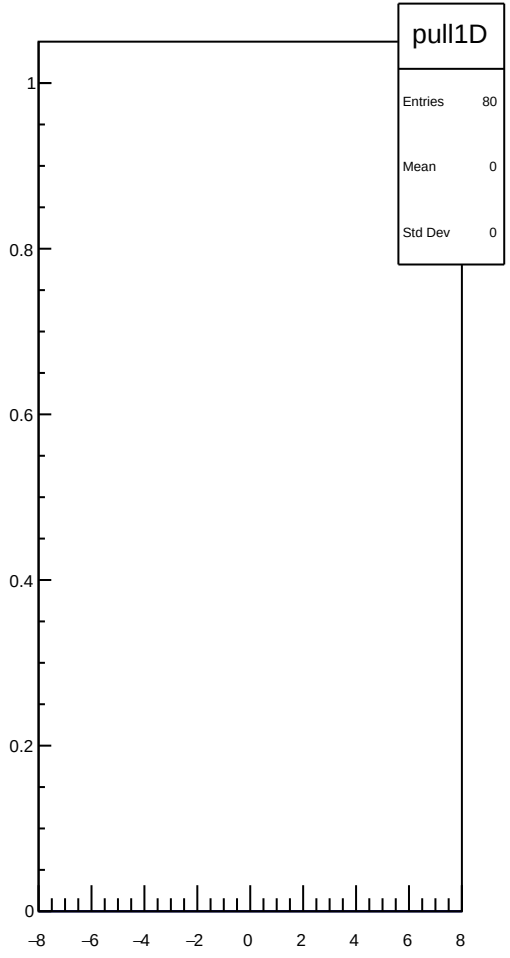

dit_usl_coil6_mean vs run
χ² / ndf 2.636e+36 / 79
p0 −1237 ± 1.118e−16
−900
−1000
−1100
−1200
−1300
−1400
−1500
−1600
pull
Entries 80
Mean 1.238e+08
Std Dev 1.238e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

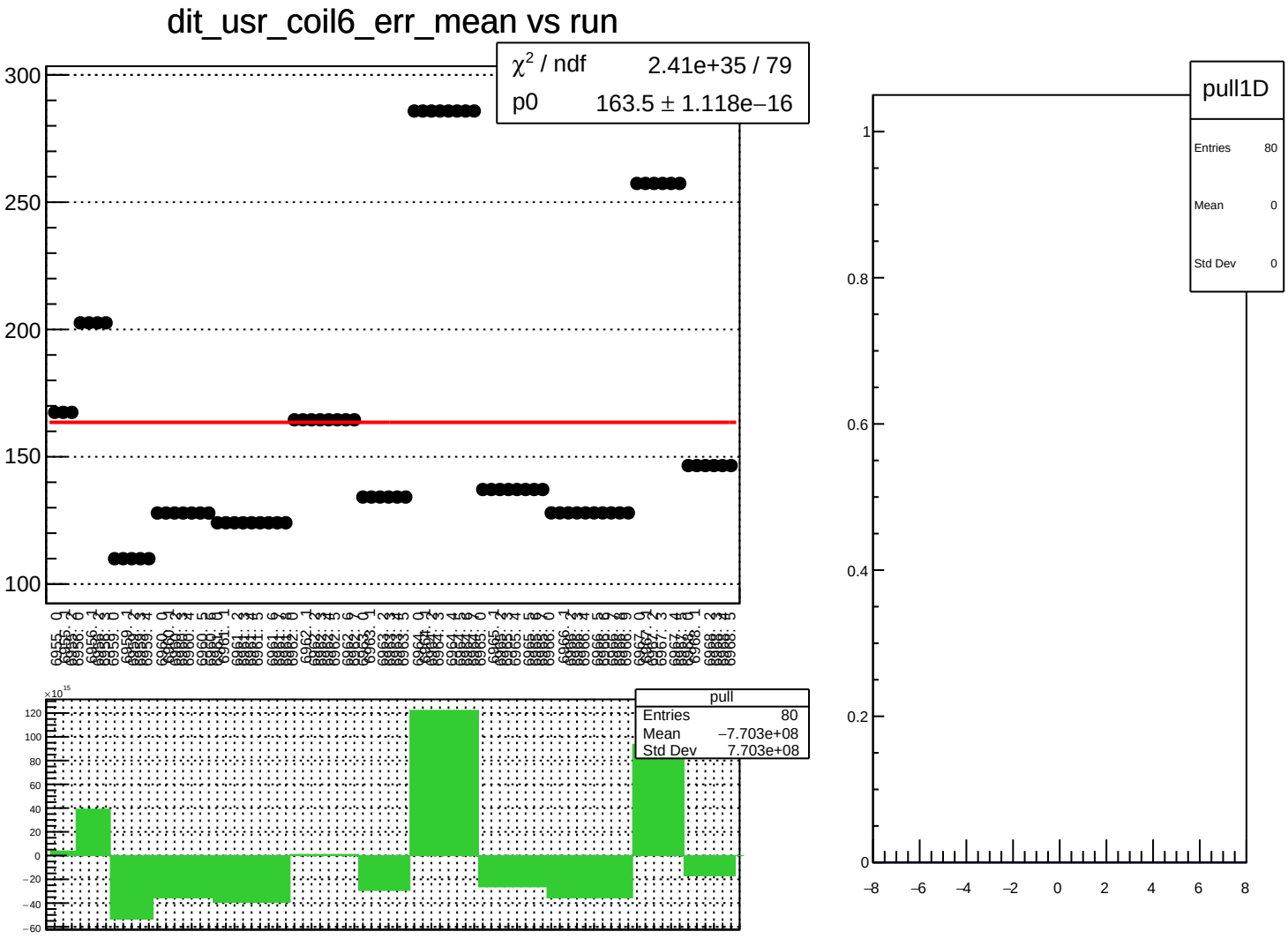

dit_usl_coil6_err_mean vs run
χ² / ndf 9.055e+34 / 79
p0 144 ± 1.118e−16
pull
Entries 80
Mean 2.244e+09
Std Dev 2.244e+09

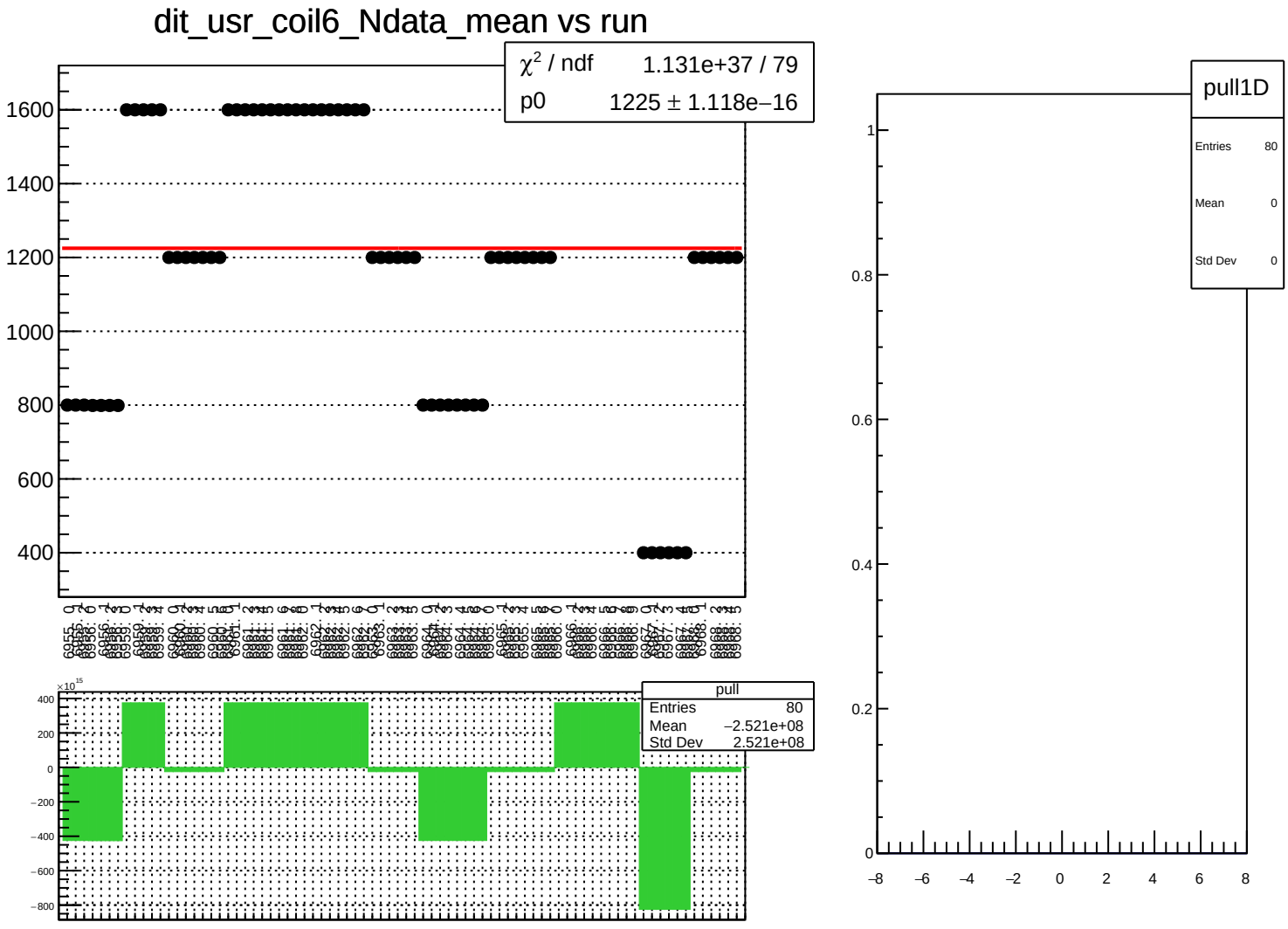

pull1D
Entries 80
Mean 0
Std Dev 0


dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_mean vs run
χ² / ndf 1.199e+36 / 79
p0 −710.3 ± 1.118e−16
−600
−700
−800
−900
−1000
pull
Entries 80
Mean −5.955e+08
Std Dev 5.955e+08
×10¹⁵
150
100
50
0
−50
−100
−150
−200
−250
−300


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_err_mean vs run
χ² / ndf 2.41e+35 / 79
p0 163.5 ± 1.118e−16
300
250
200
150
100
pull
Entries 80
Mean −7.703e+08
Std Dev 7.703e+08
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
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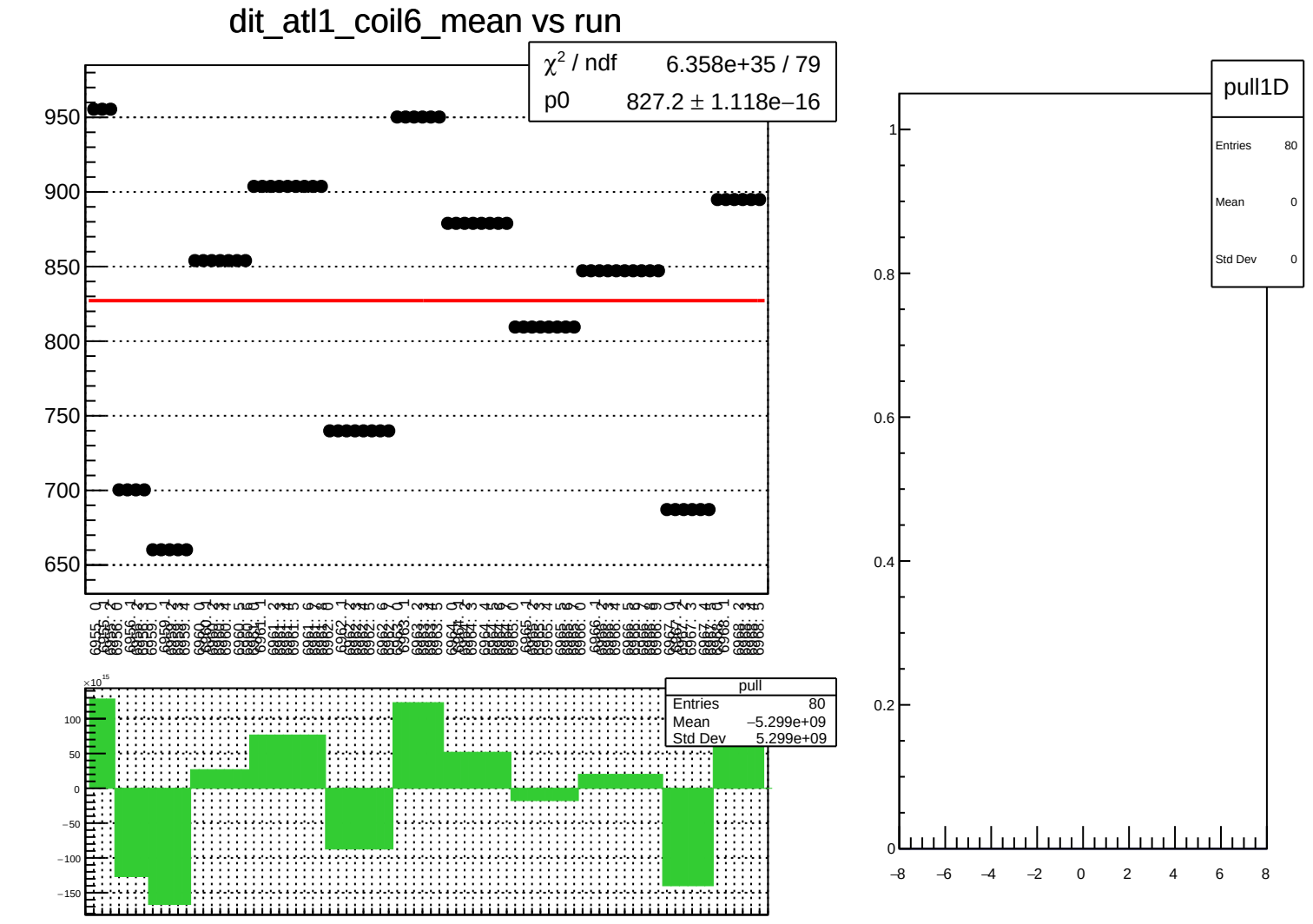
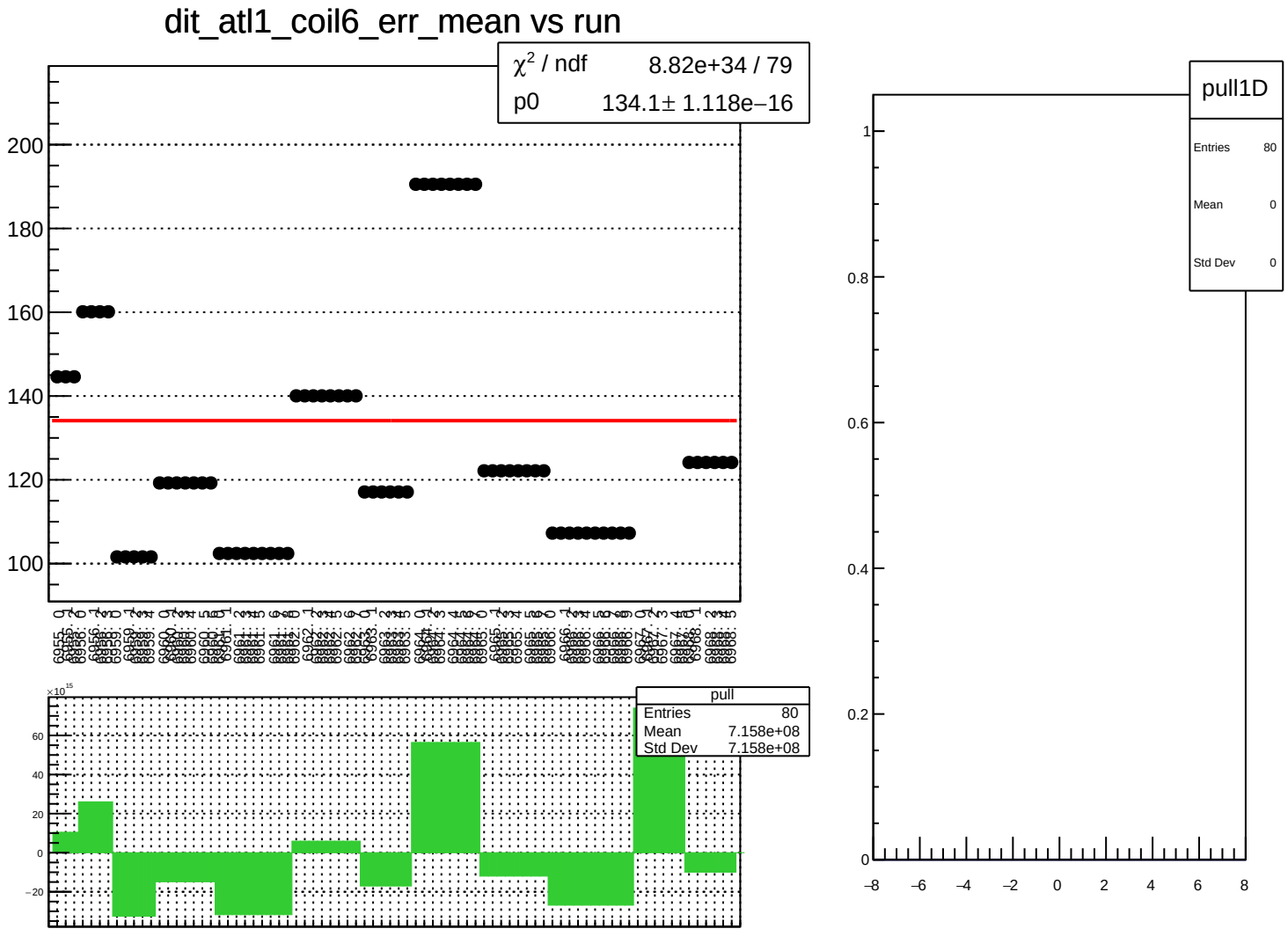
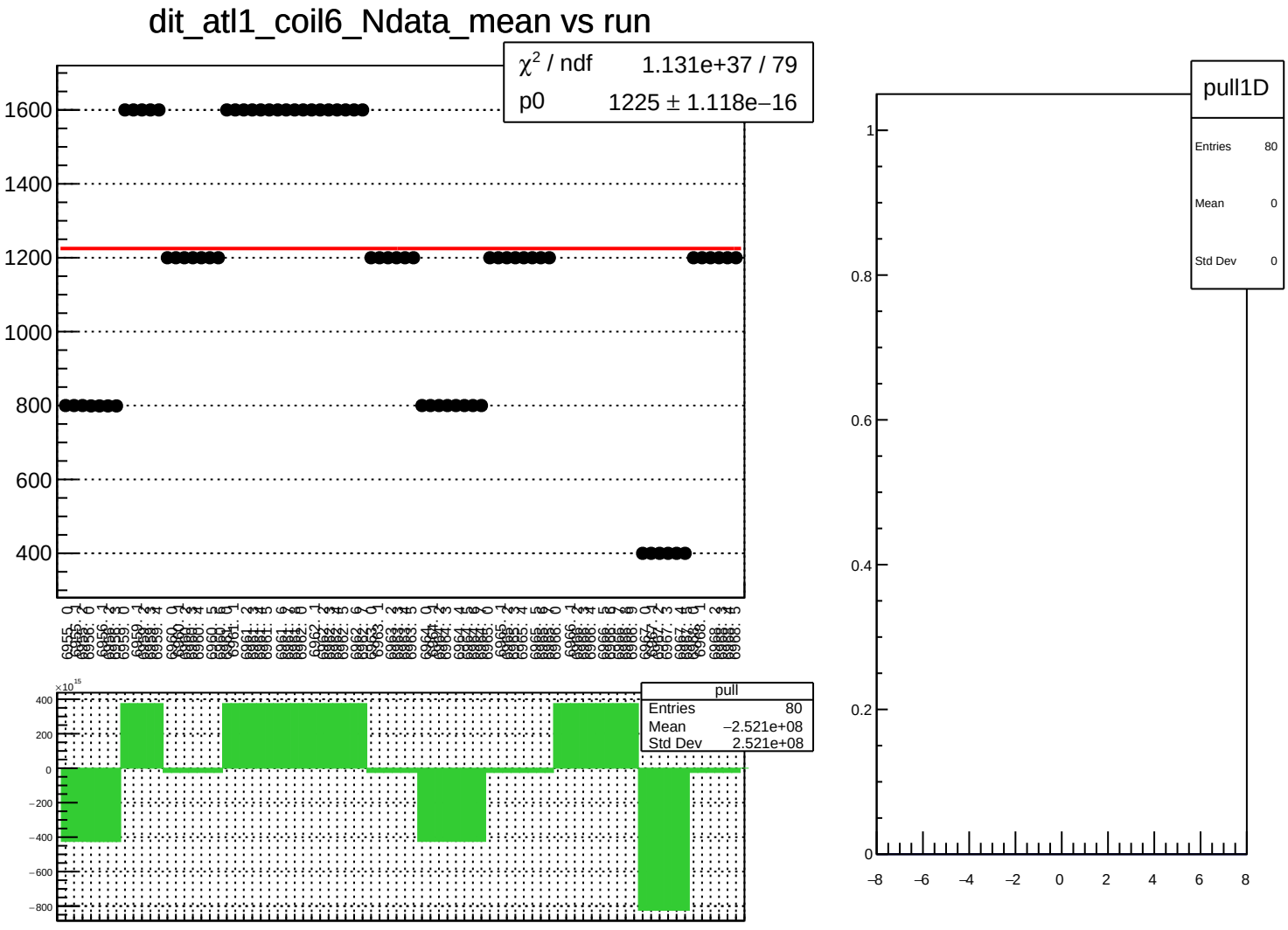
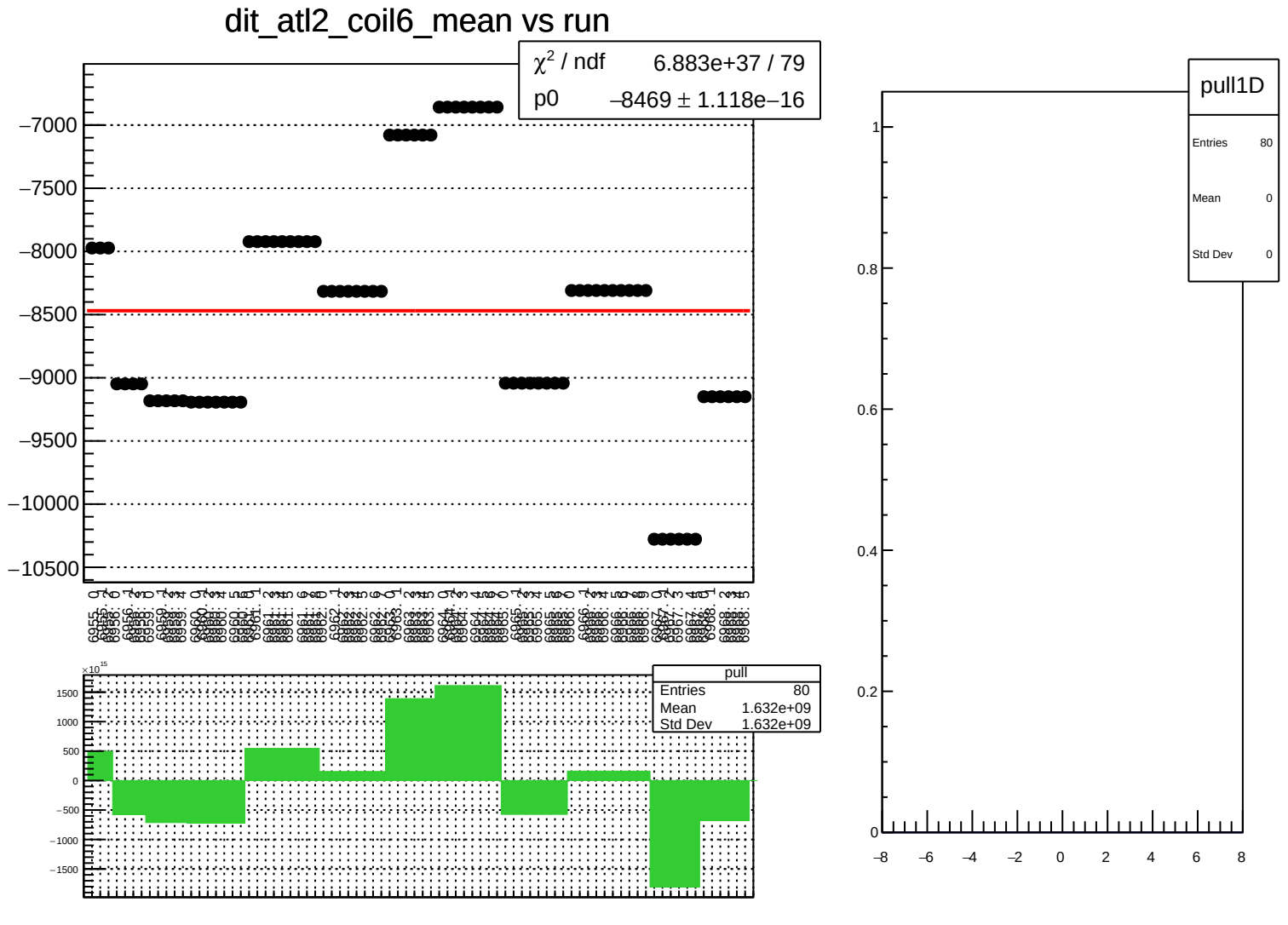
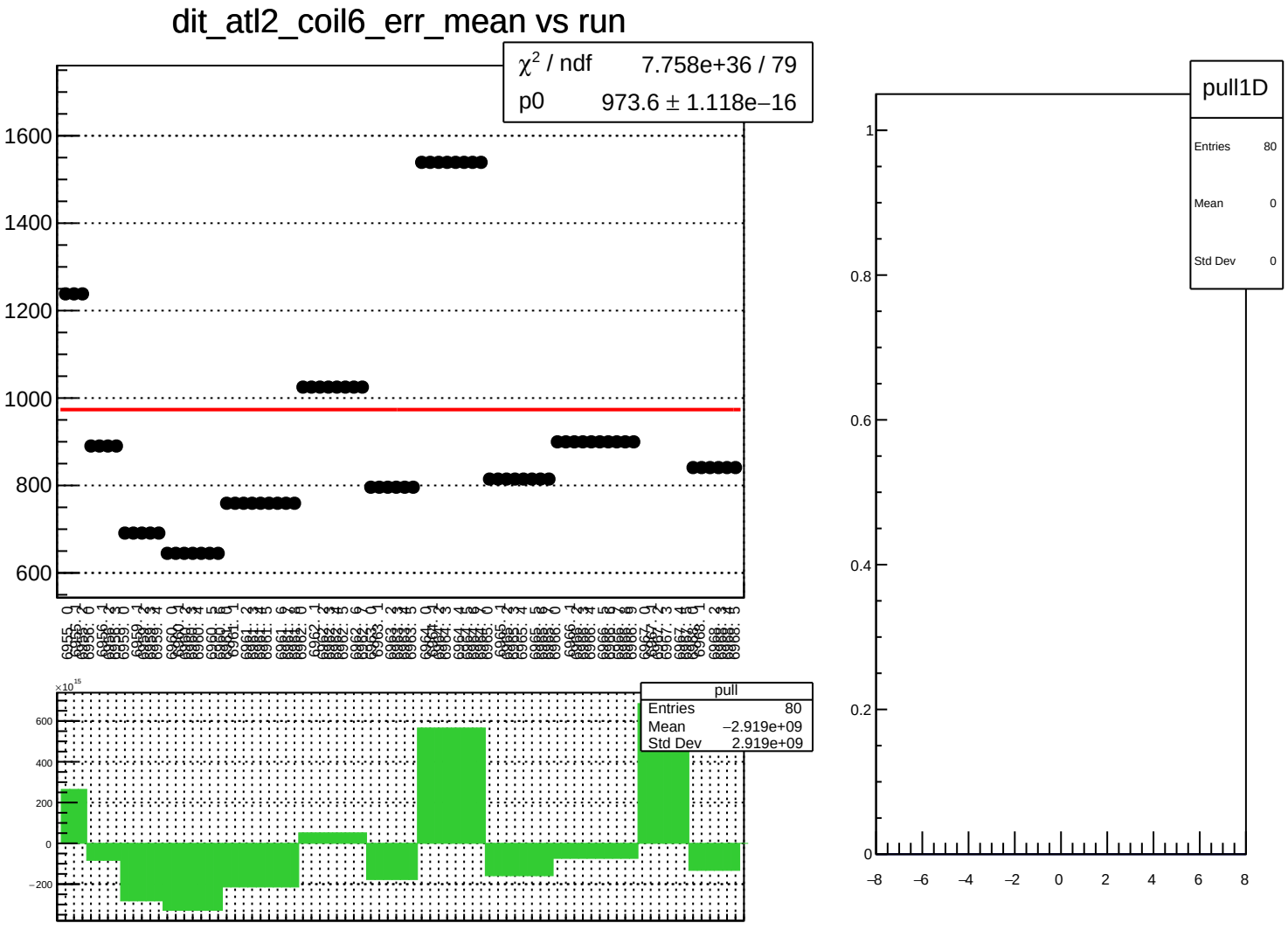
2
4
6
8

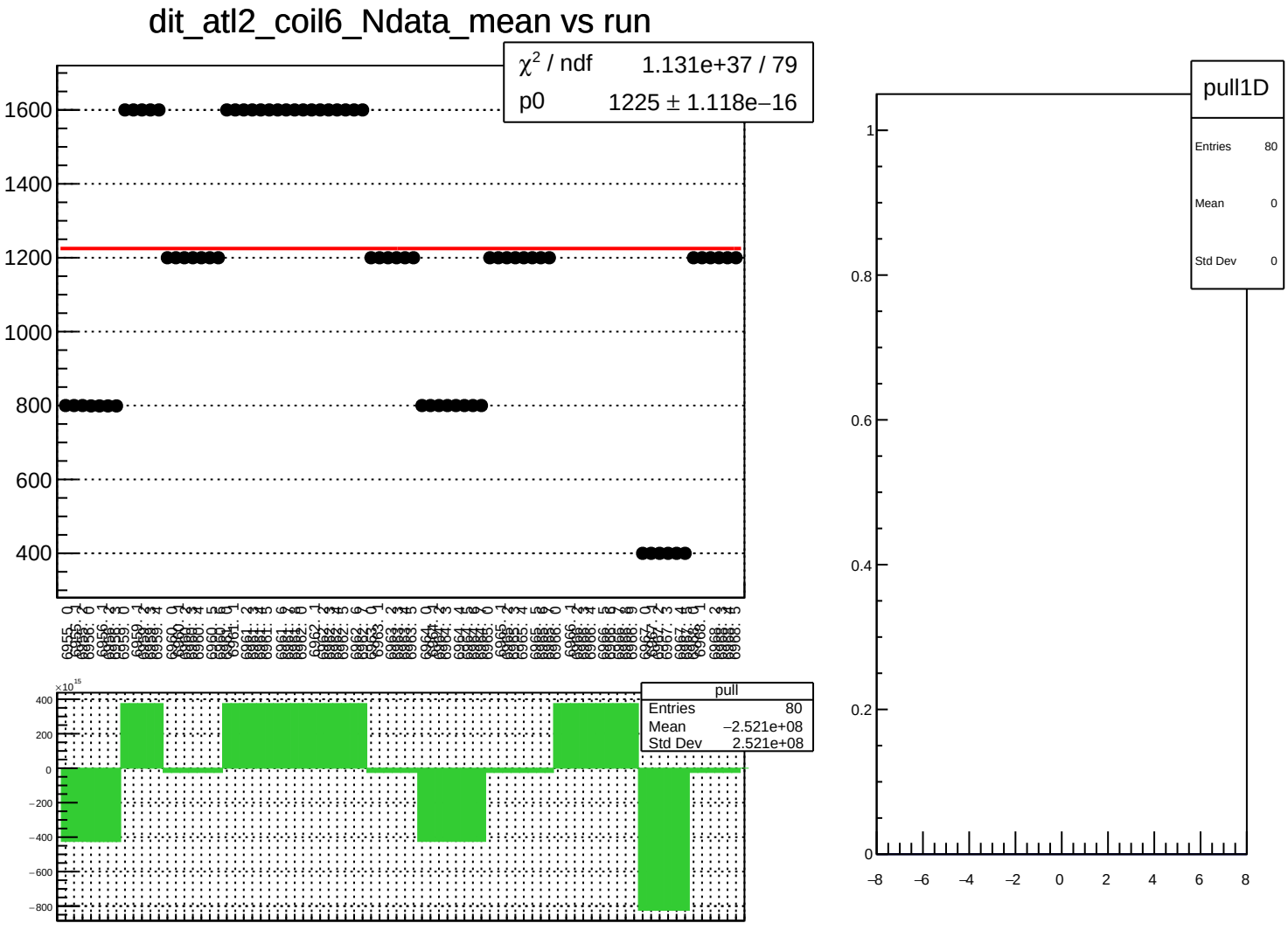

dit_atl1_coil6_mean vs run
χ² / ndf 6.358e+35 / 79
p0 827.2 ± 1.118e−16
950
900
850
800
750
700
650
pull
Entries 80
Mean −5.299e+09
Std Dev 5.299e+09
×10¹⁵
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

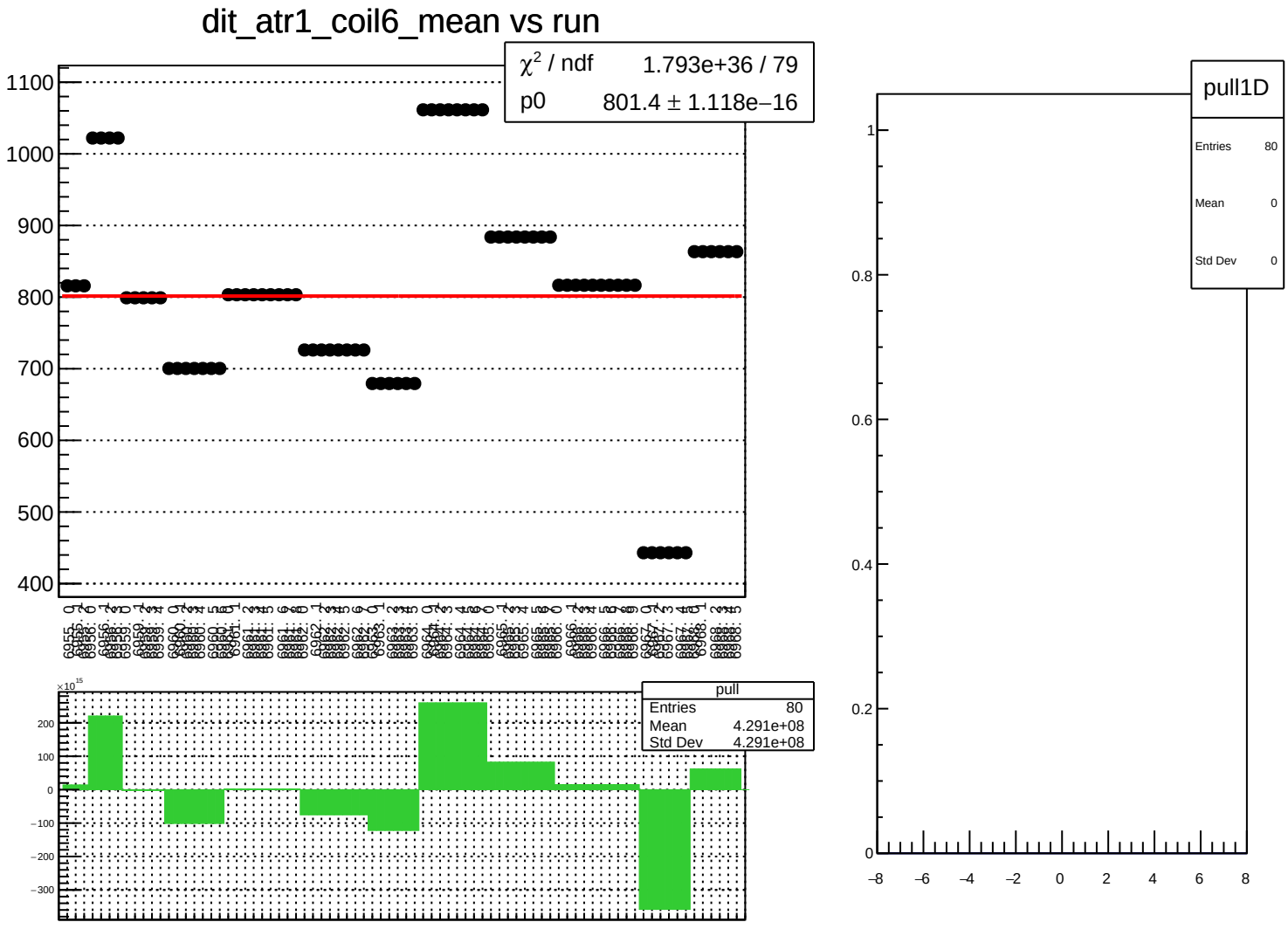

dit_atl1_coil6_err_mean vs run
χ² / ndf 8.82e+34 / 79
p0 134.1± 1.118e−16
pull
Entries 80
Mean 7.158e+08
Std Dev 7.158e+08
pull1D
Entries 80
Mean 0
Std Dev 0

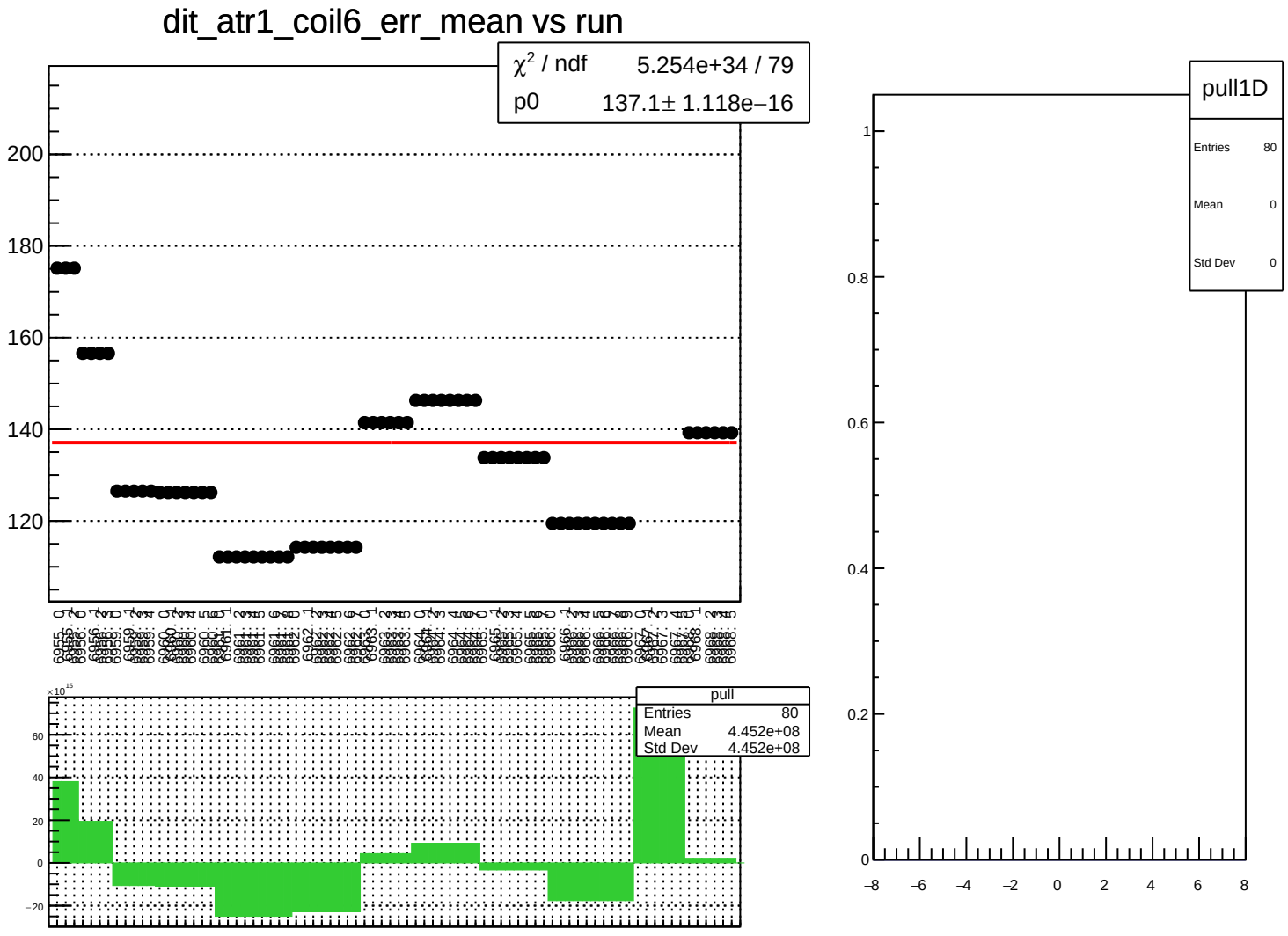

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

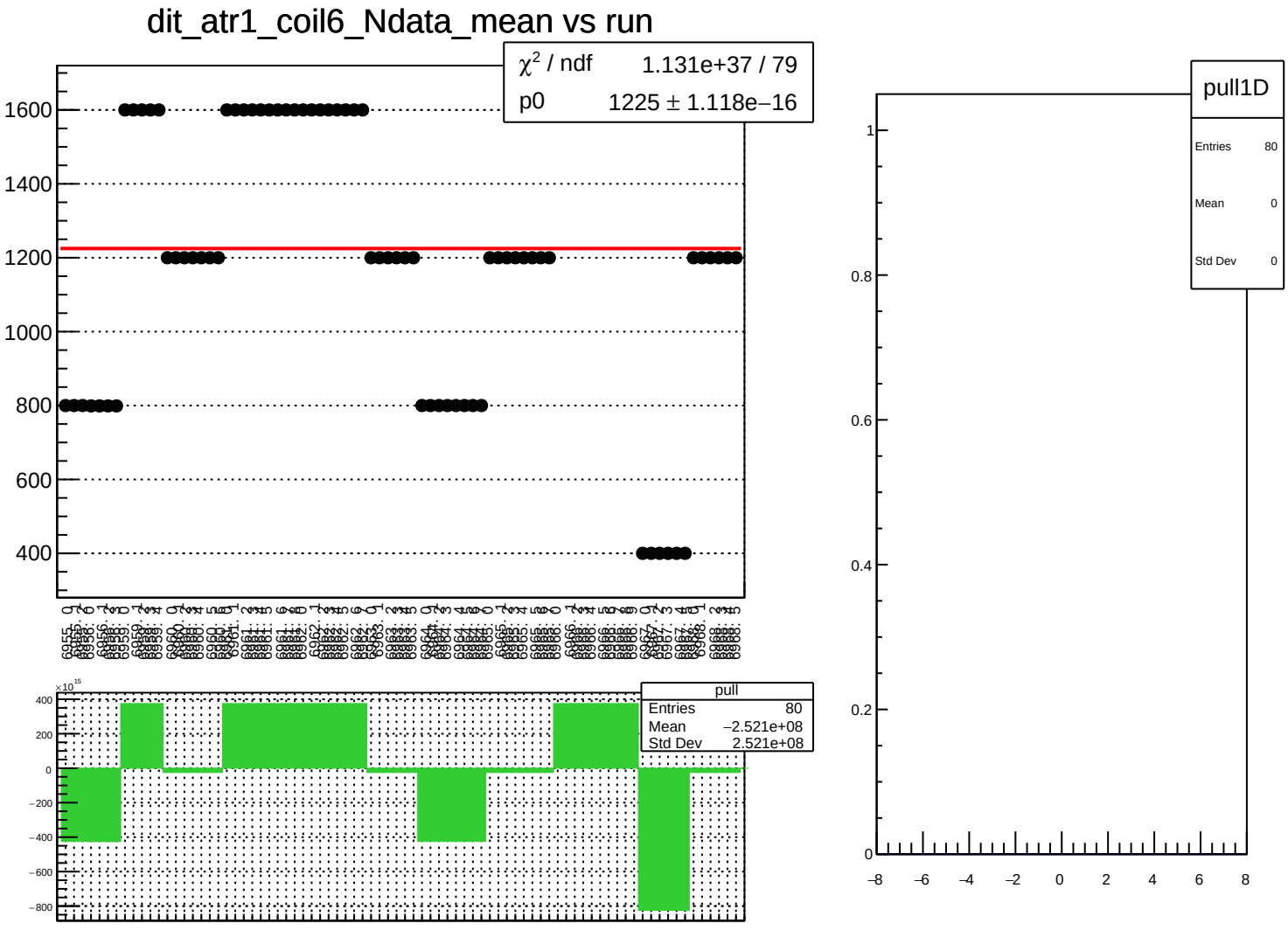

dit_atl2_coil6_mean vs run
χ² / ndf 6.883e+37 / 79
p0 −8469 ± 1.118e−16
−7000
−7500
−8000
−8500
−9000
−9500
−10000
−10500
pull
Entries 80
Mean 1.632e+09
Std Dev 1.632e+09
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

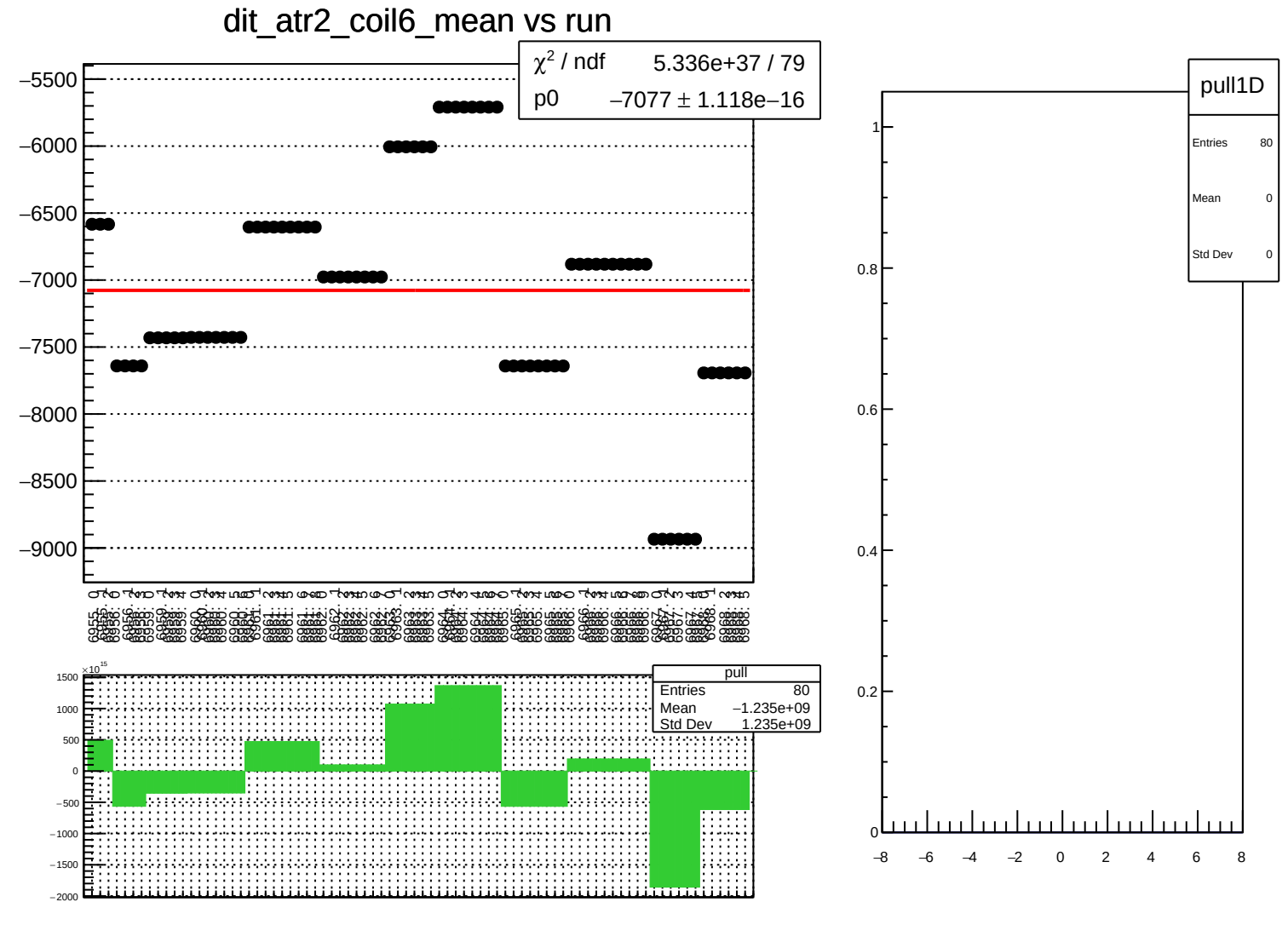

dit_atl2_coil6_err_mean vs run
χ² / ndf 7.758e+36 / 79
p0 973.6 ± 1.118e−16
1600
1400
1200
1000
800
600
pull
Entries 80
Mean −2.919e+09
Std Dev 2.919e+09
×10¹⁵
600
400
200
0
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

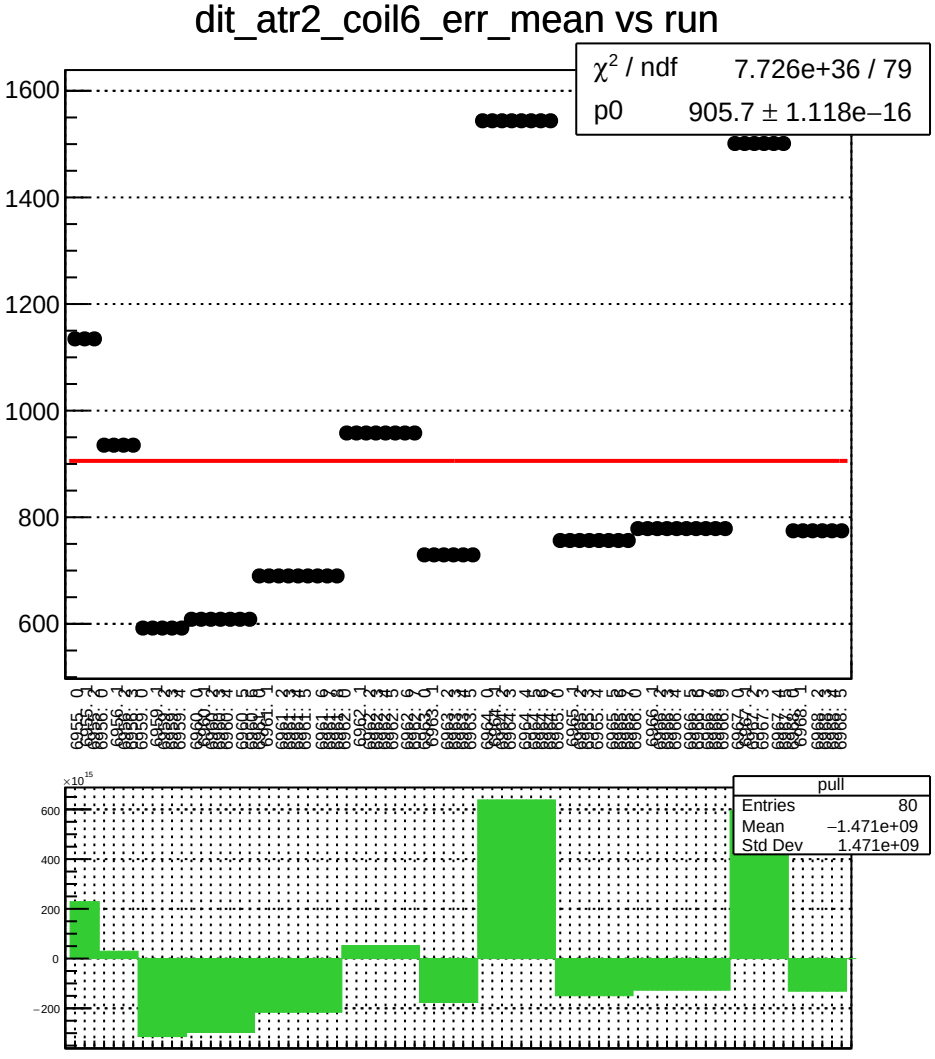

dit_atl2_coil6_Ndata_mean vs run
χ^2 / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

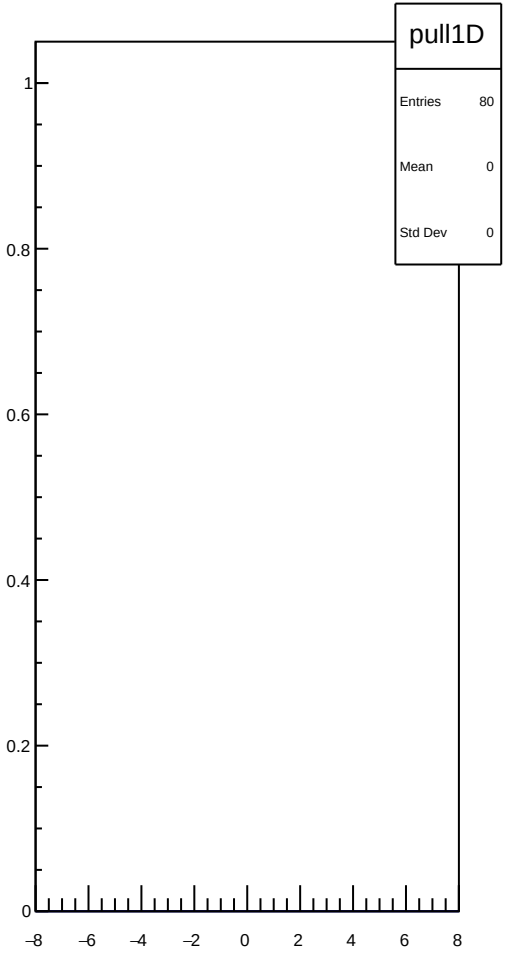

dit_atr1_coil6_mean vs run
χ² / ndf 1.793e+36 / 79
p0 801.4 ± 1.118e−16
1100
1000
900
800
700
600
500
400
pull
Entries 80
Mean 4.291e+08
Std Dev 4.291e+08
×10^15
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

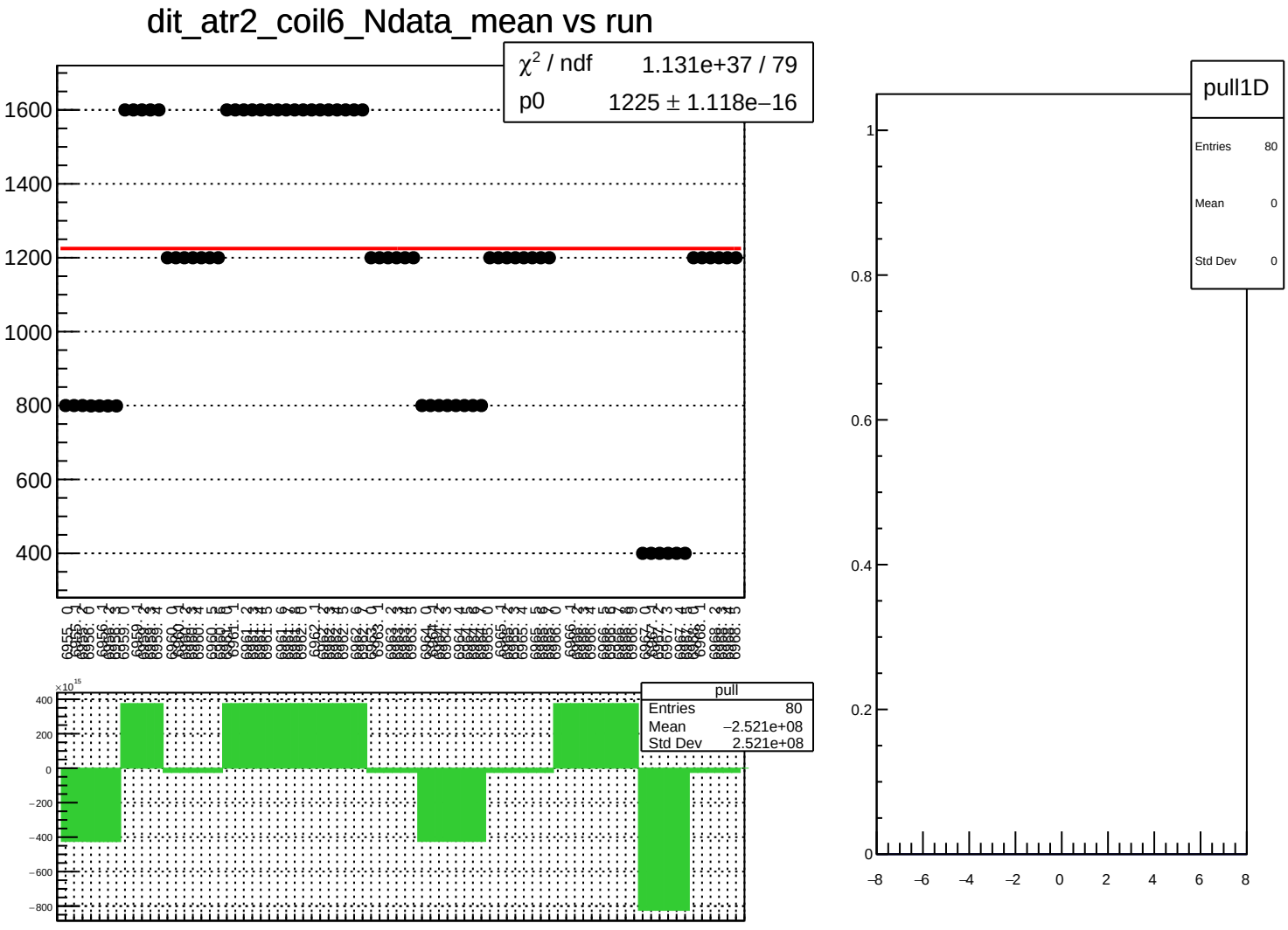

dit_atr1_coil6_err_mean vs run
χ² / ndf 5.254e+34 / 79
p0 137.1± 1.118e−16
200
180
160
140
120
pull
Entries 80
Mean 4.452e+08
Std Dev 4.452e+08
×10¹⁵
60
40
20
0
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

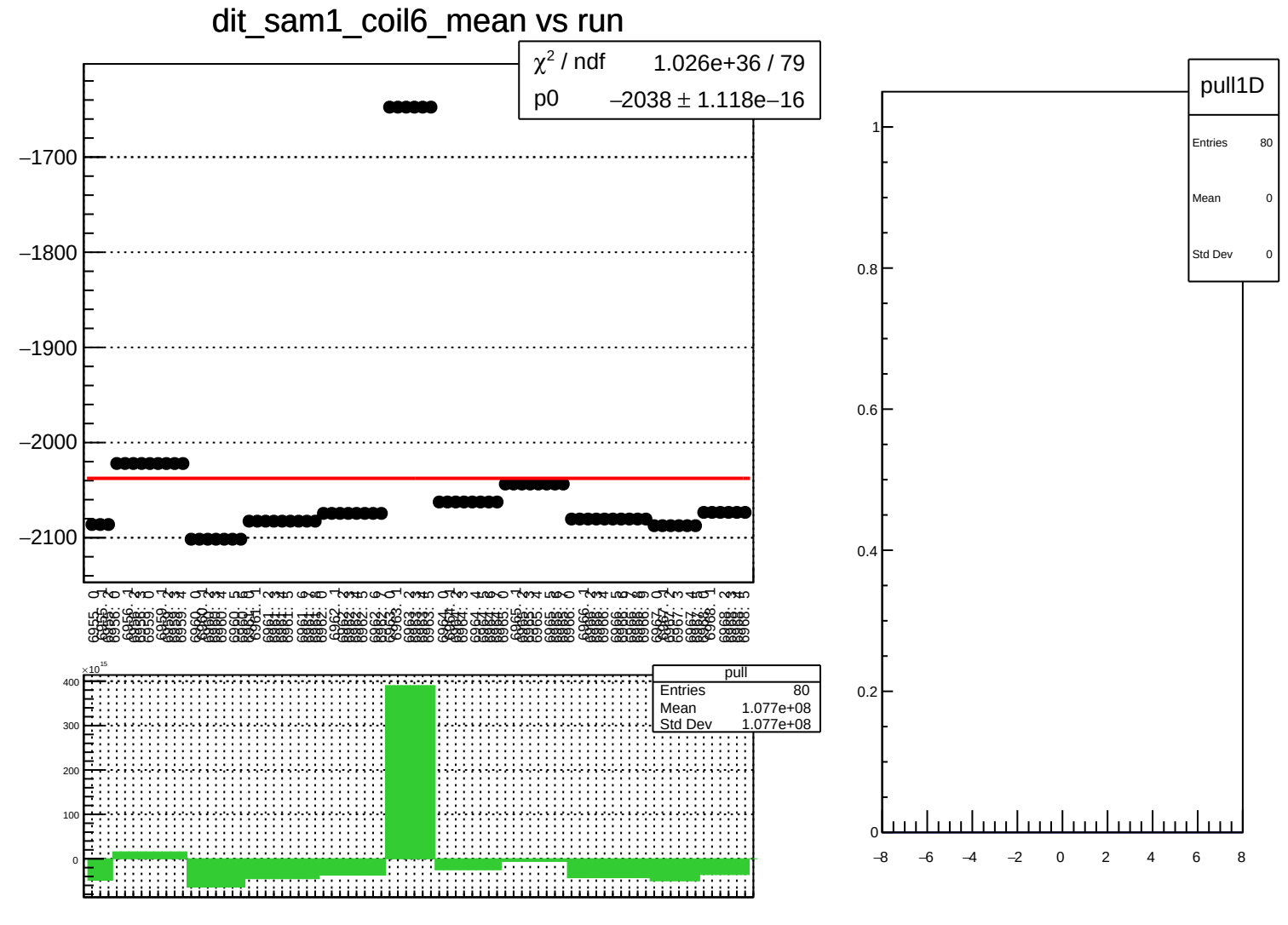

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil6_mean vs run
χ² / ndf 5.336e+37 / 79
p0 −7077 ± 1.118e−16
−5500
−6000
−6500
−7000
−7500
−8000
−8500
−9000
pull
Entries 80
Mean −1.235e+09
Std Dev 1.235e+09
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

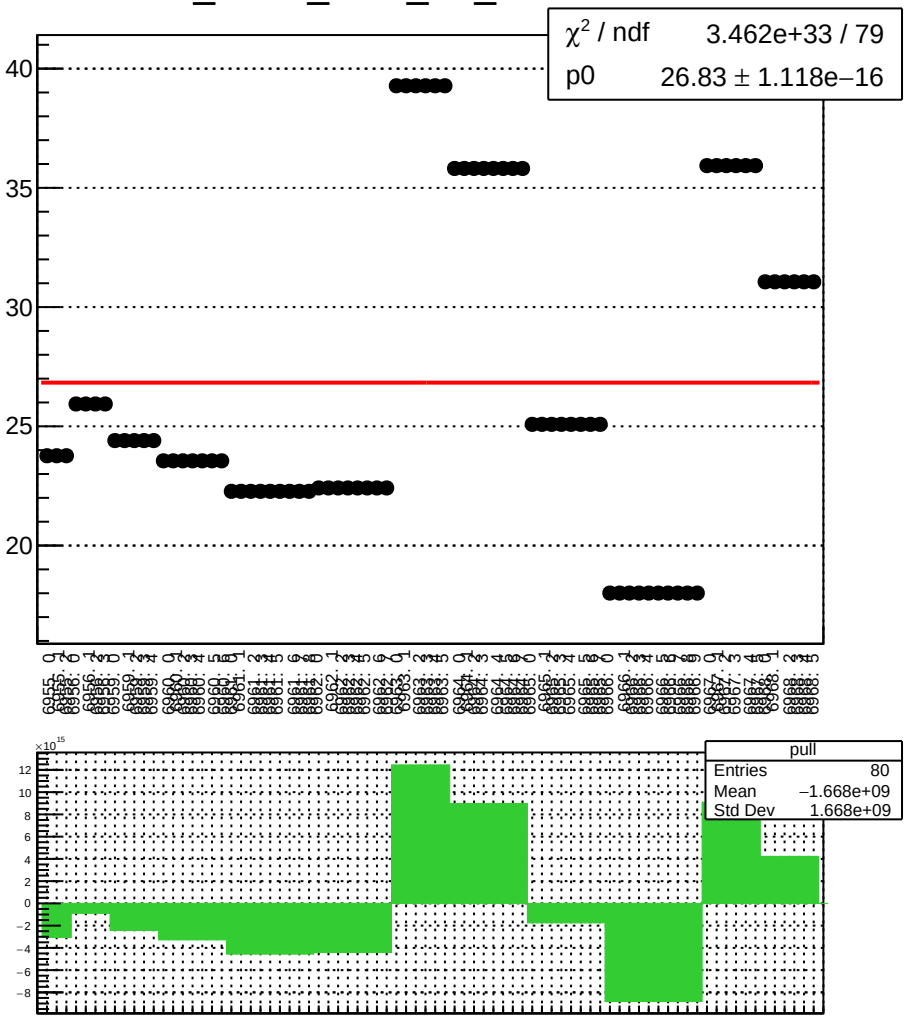

dit_atr2_coil6_err_mean vs run
χ² / ndf 7.726e+36 / 79
p0 905.7 ± 1.118e−16
1600
1400
1200
1000
800
600
pull
Entries 80
Mean −1.471e+09
Std Dev 1.471e+09
×10¹⁵
600
400
200
0
−200

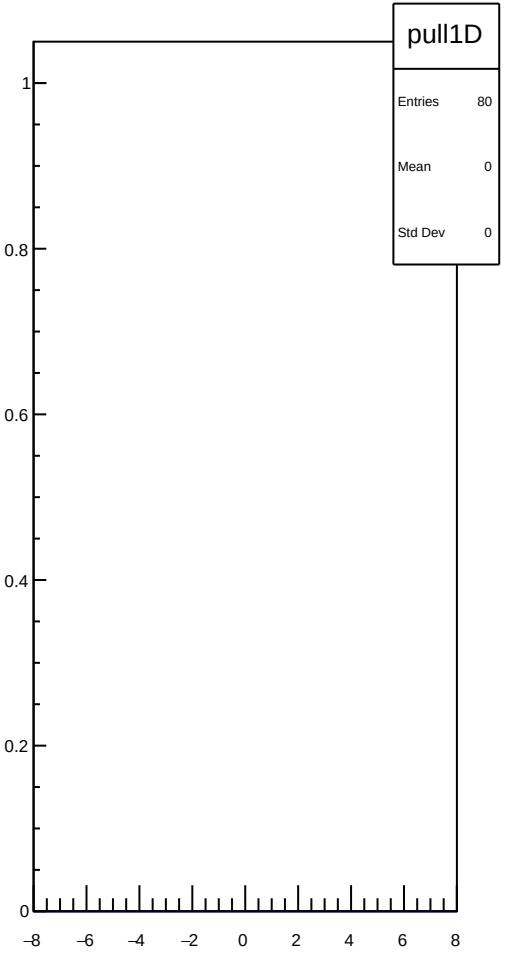

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

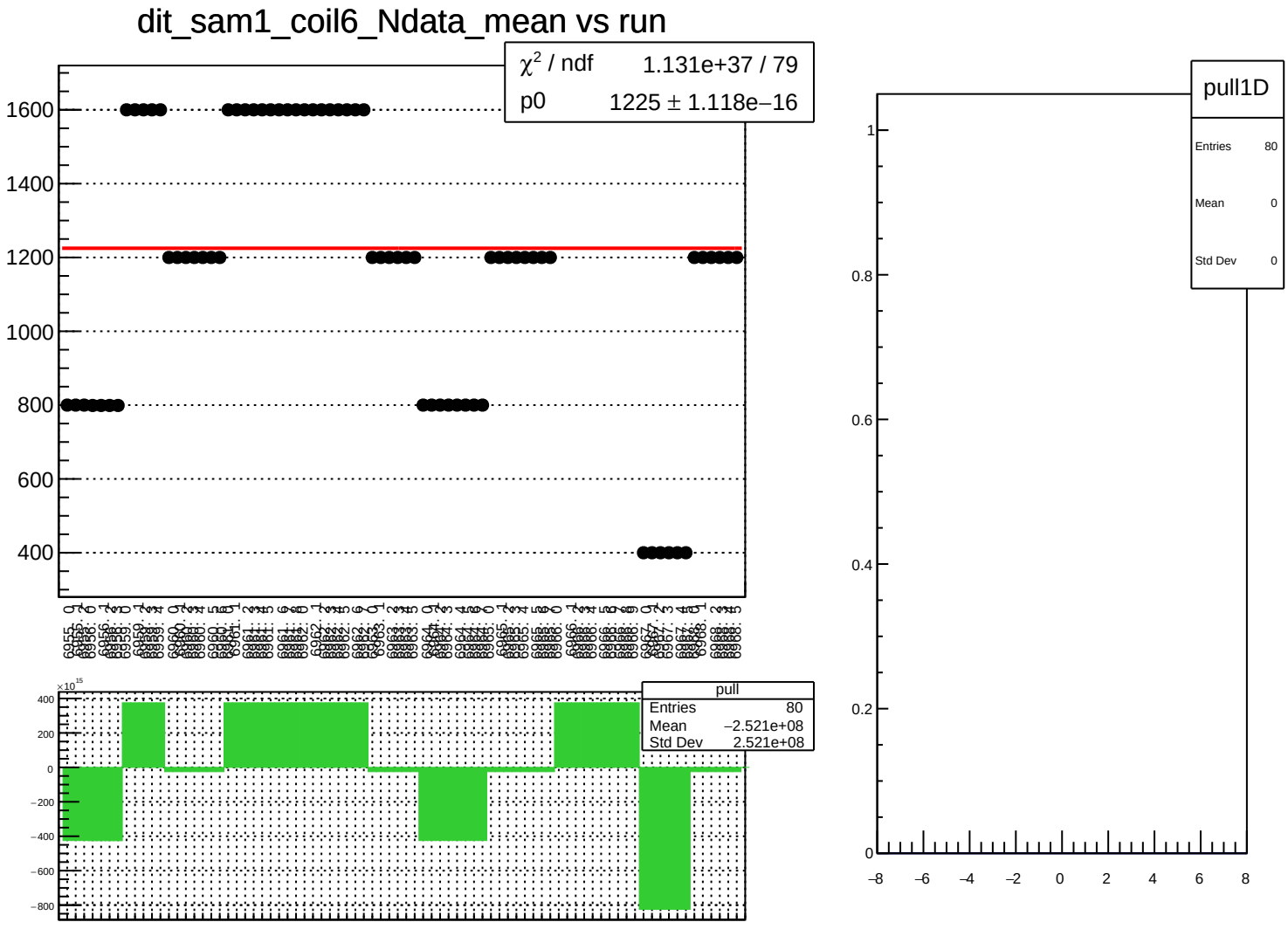

dit_atr2_coil6_Ndata_mean vs run
χ^2 / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10^15
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

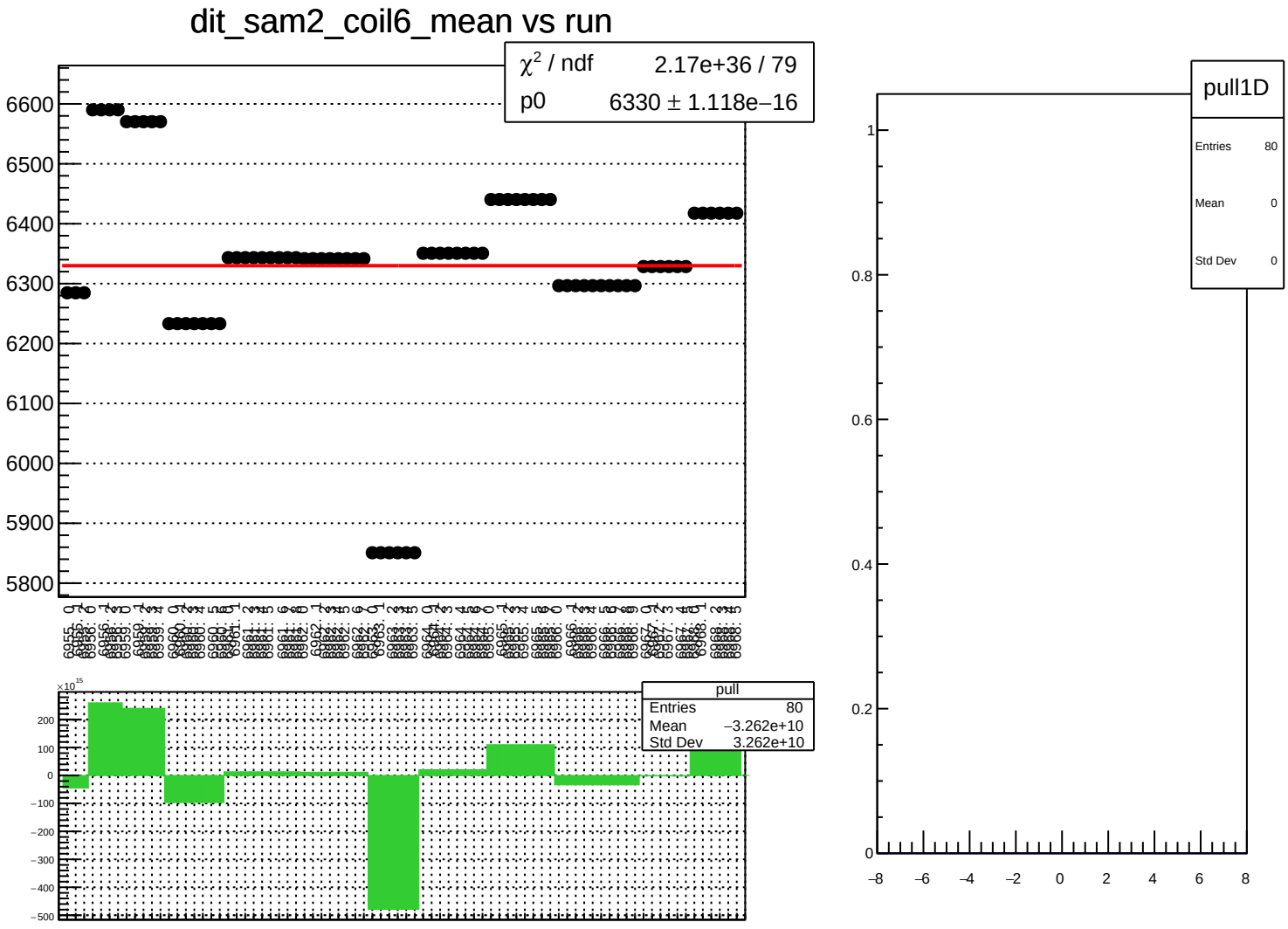

dit_sam1_coil6_mean vs run
χ² / ndf 1.026e+36 / 79
p0 −2038 ± 1.118e−16
−1700
−1800
−1900
−2000
−2100
pull
Entries 80
Mean 1.077e+08
Std Dev 1.077e+08
×10¹⁵
400
300
200
100
0
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

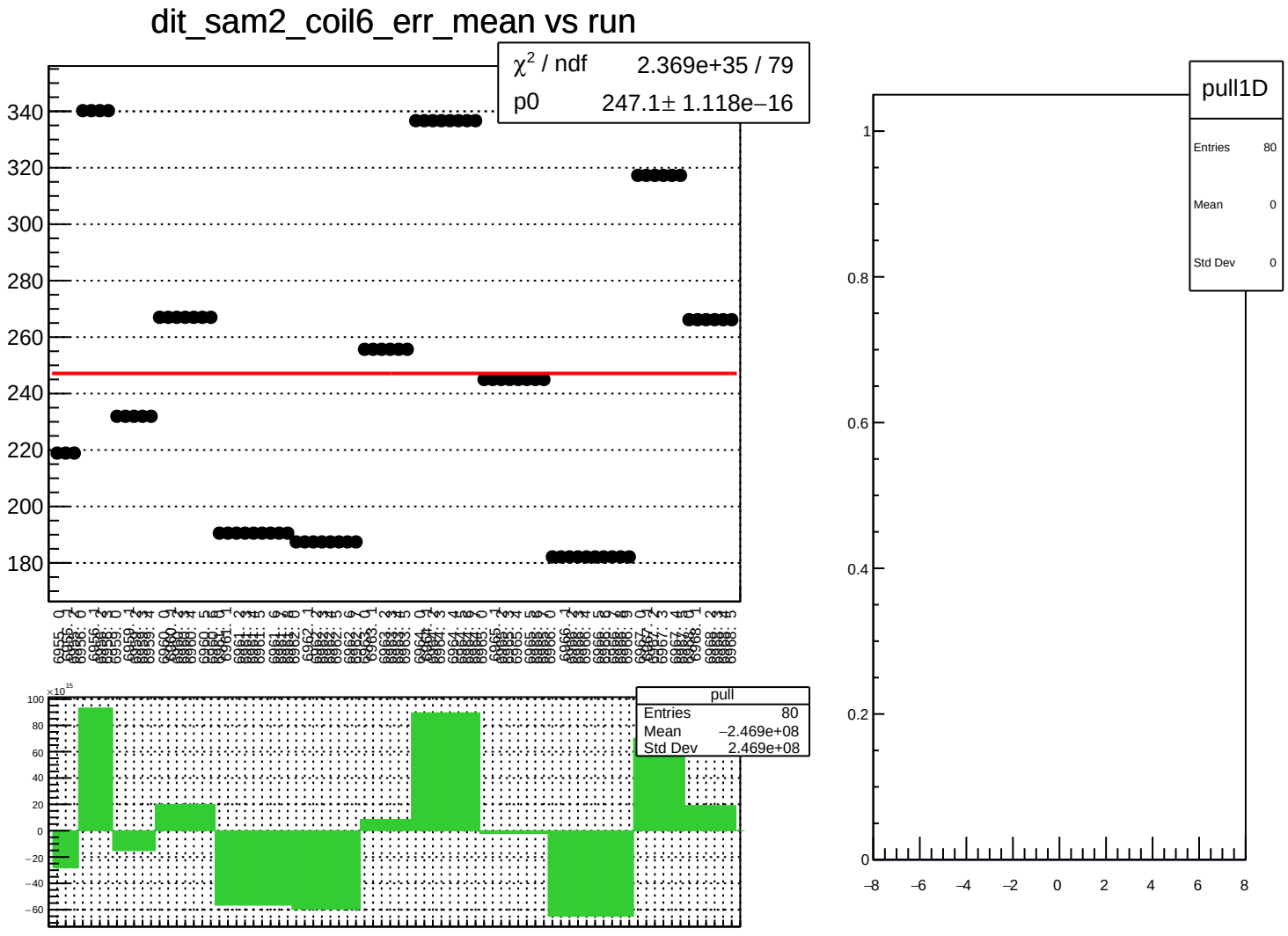
dit_sam1_coil6_err_mean vs run

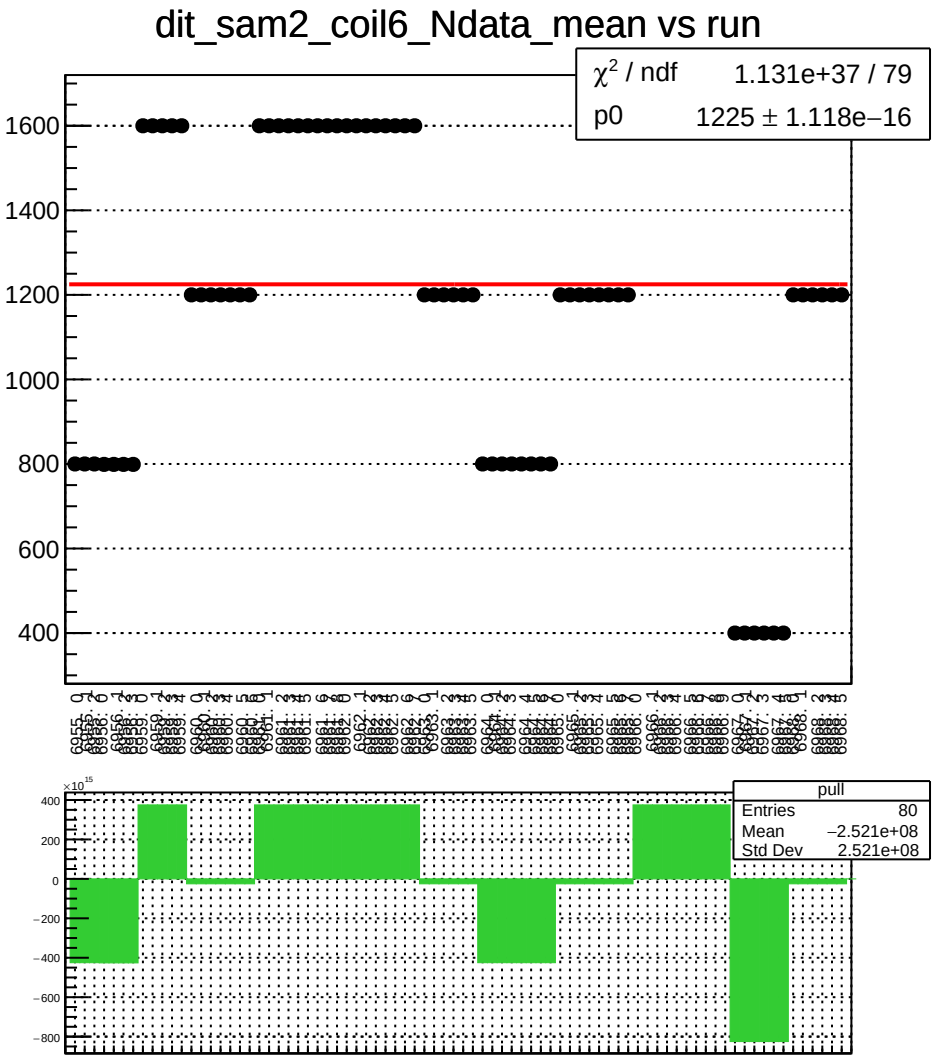


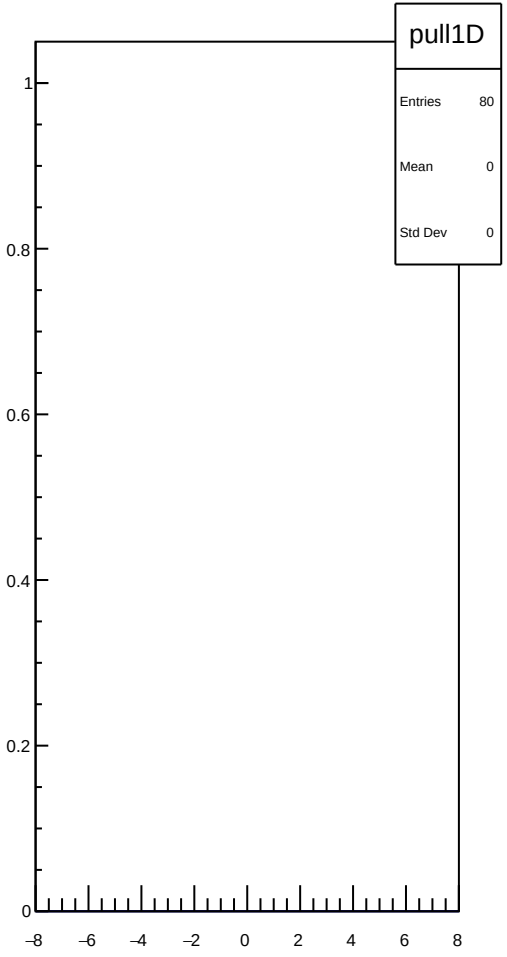


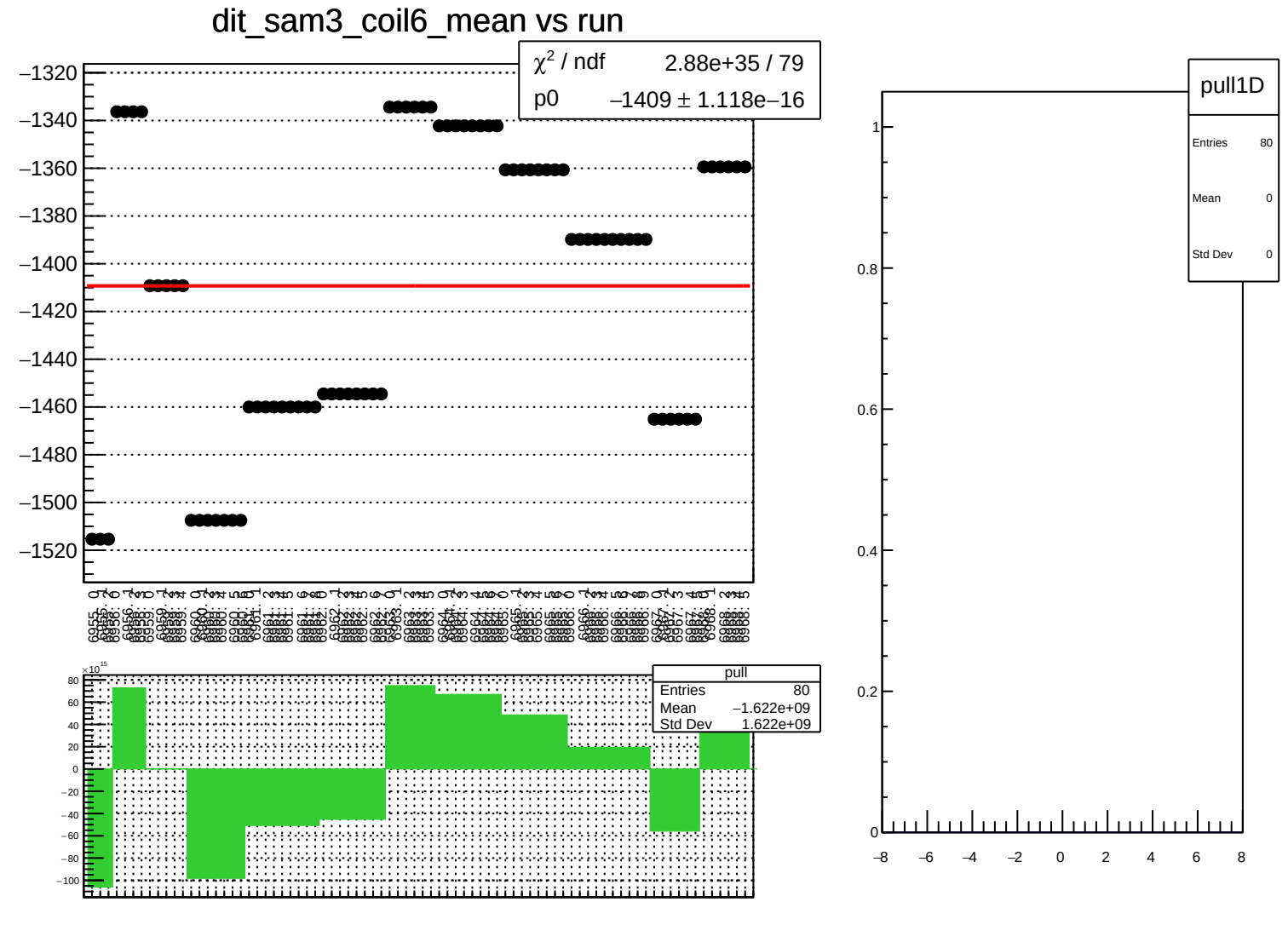

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

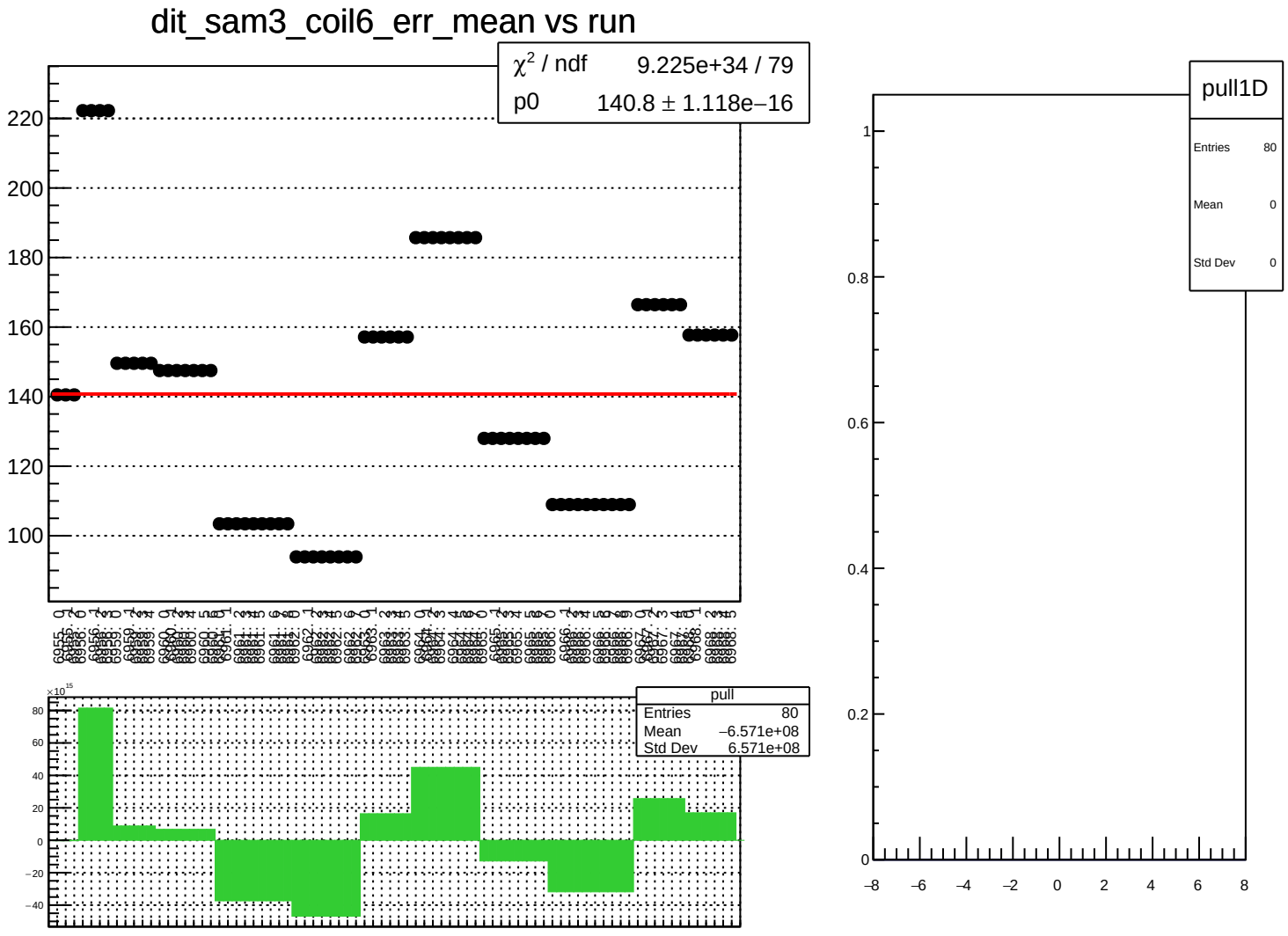

dit_sam2_coil6_mean vs run
χ² / ndf 2.17e+36 / 79
p0 6330 ± 1.118e−16
6600
6500
6400
6300
6200
6100
6000
5900
5800
pull
Entries 80
Mean −3.262e+10
Std Dev 3.262e+10
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

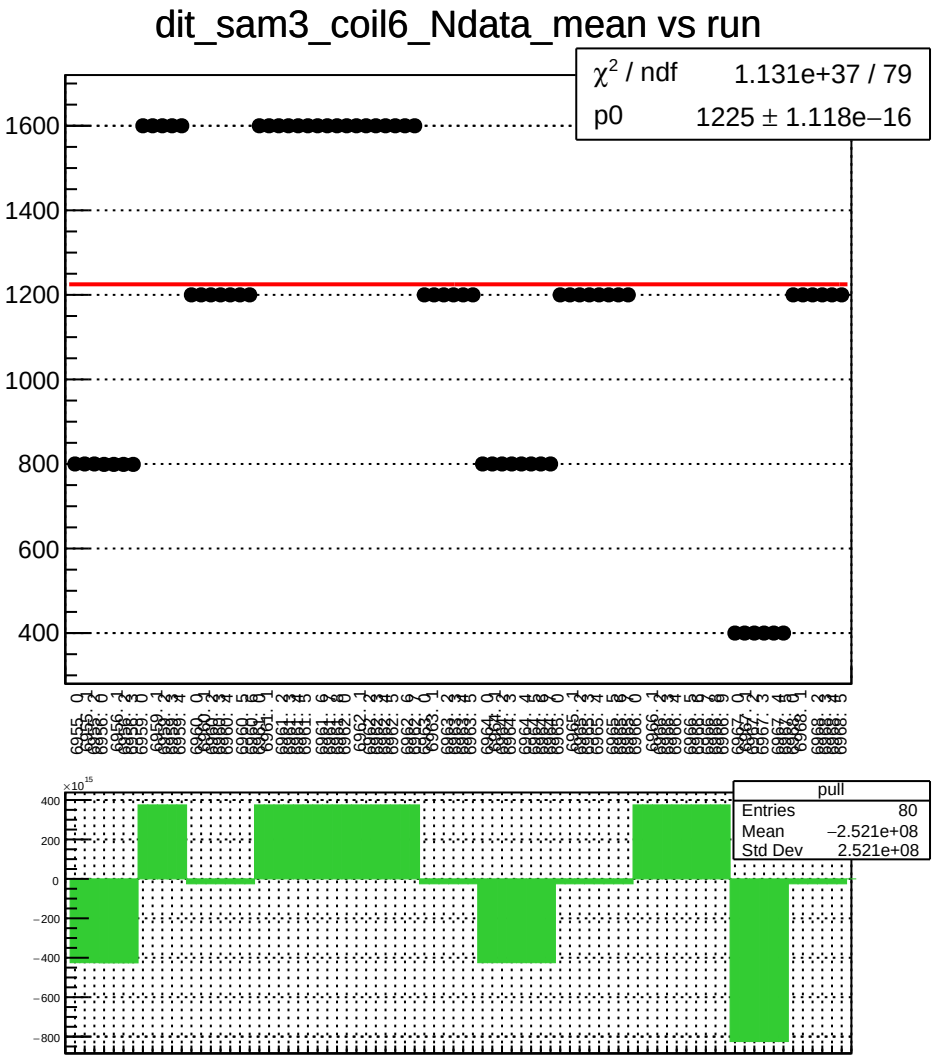

dit_sam2_coil6_err_mean vs run
χ² / ndf 2.369e+35 / 79
p0 247.1± 1.118e−16
340
320
300
280
260
240
220
200
180
pull
Entries 80
Mean −2.469e+08
Std Dev 2.469e+08
×10¹⁵
100
80
60
40
20
0
−20
−40
−60
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

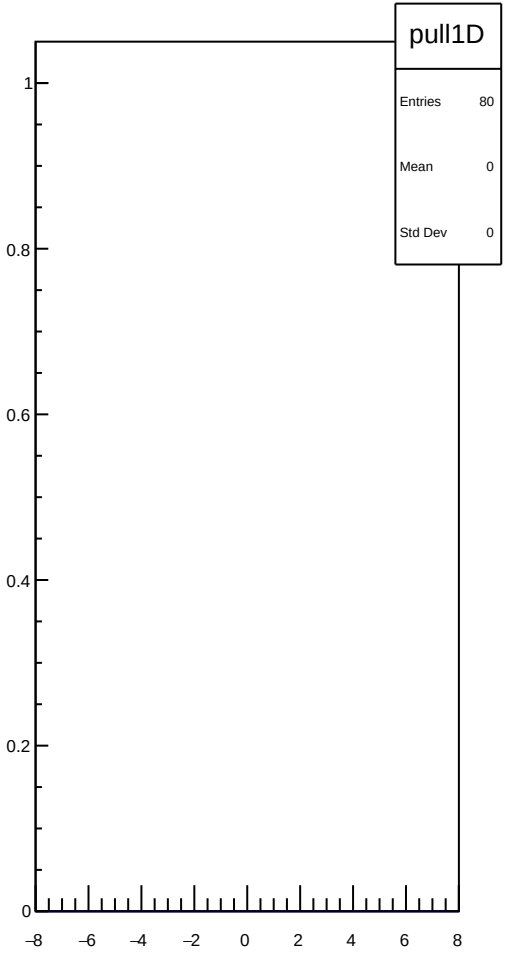

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

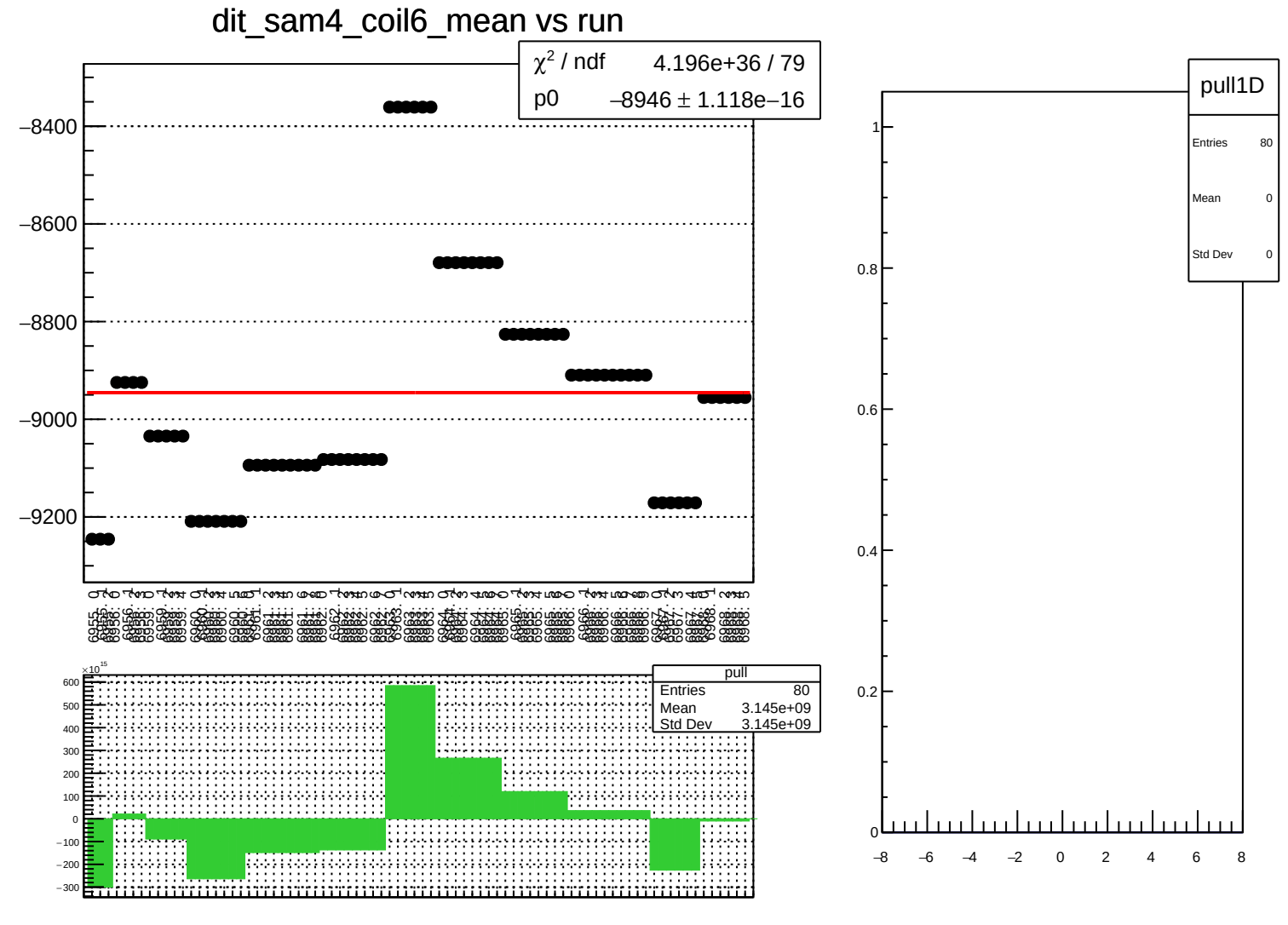

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

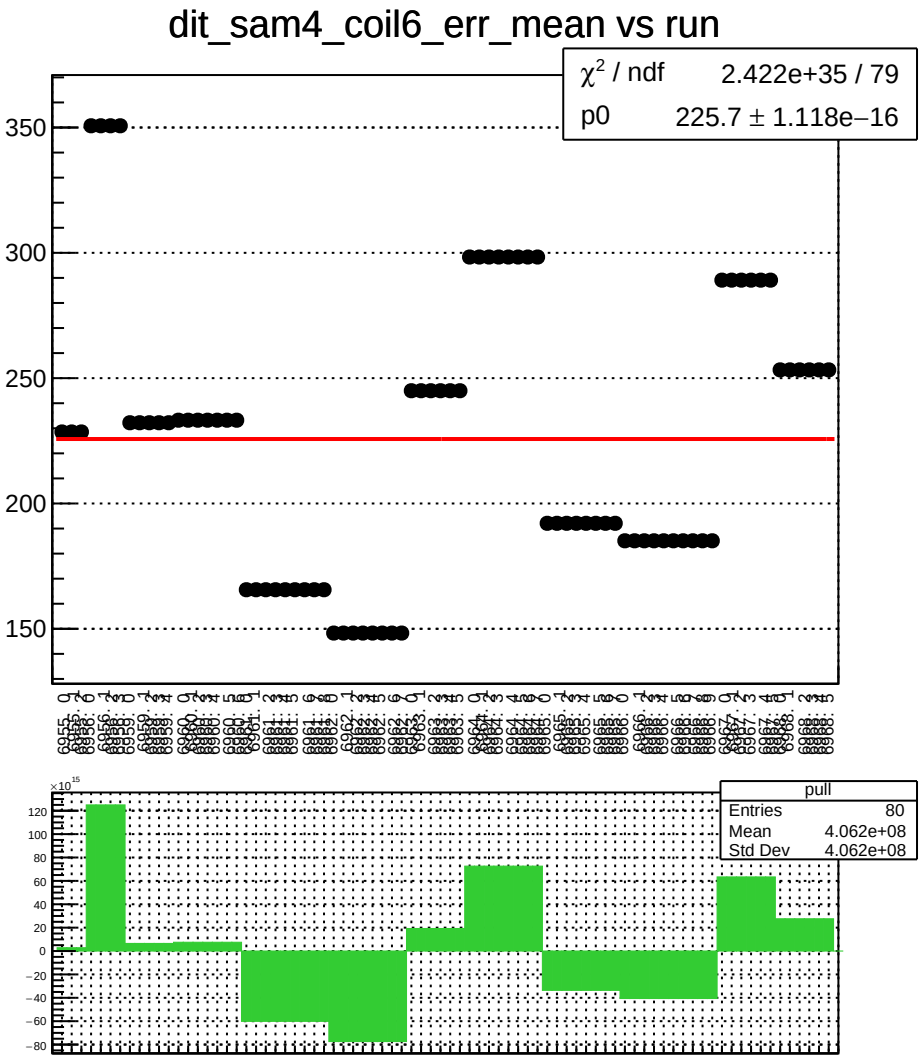

dit_sam3_coil6_mean vs run
χ² / ndf 2.88e+35 / 79
p0 −1409 ± 1.118e−16
pull
Entries 80
Mean −1.622e+09
Std Dev 1.622e+09
pull1D
Entries 80
Mean 0
Std Dev 0

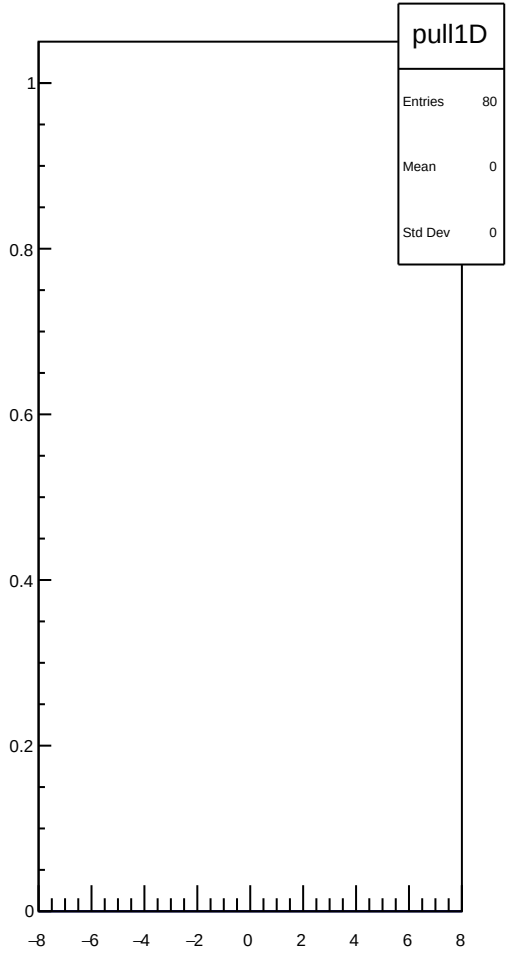

dit_sam3_coil6_err_mean vs run
χ² / ndf 9.225e+34 / 79
p0 140.8 ± 1.118e−16
pull
Entries 80
Mean −6.571e+08
Std Dev 6.571e+08
pull1D
Entries 80
Mean 0
Std Dev 0

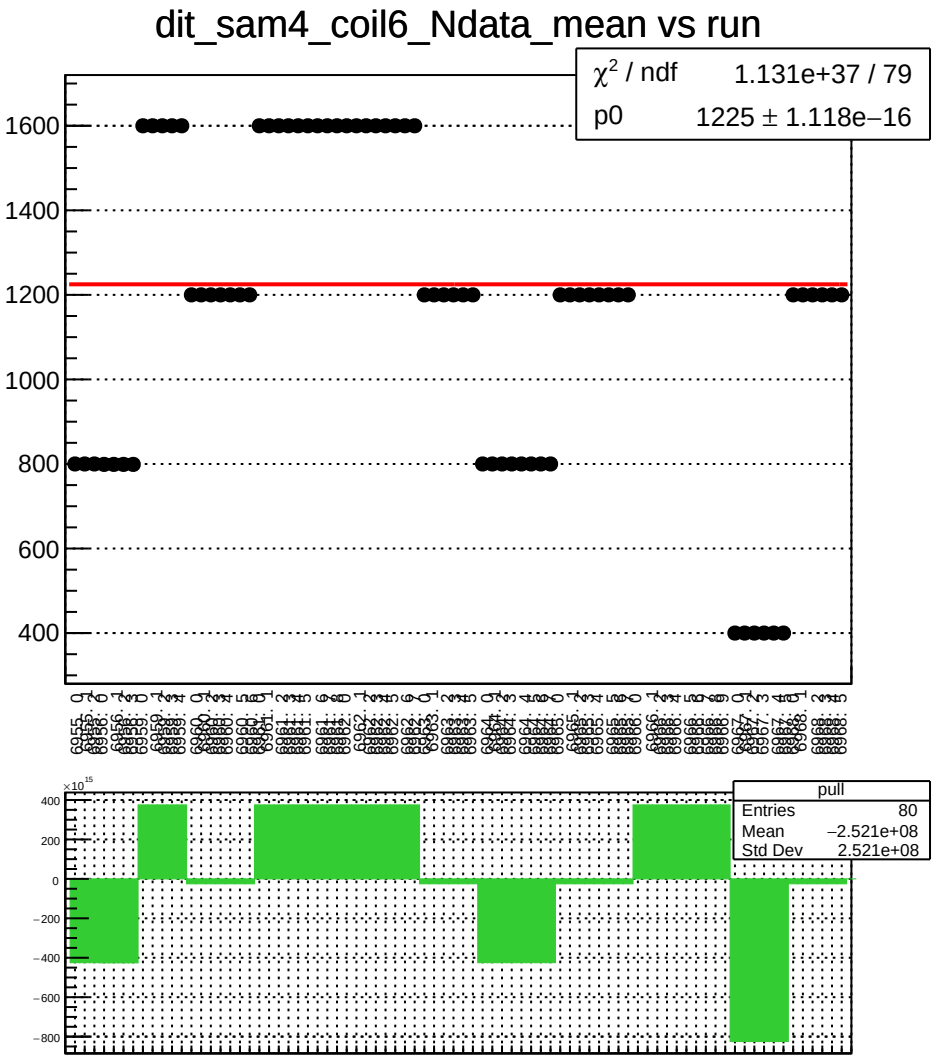

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

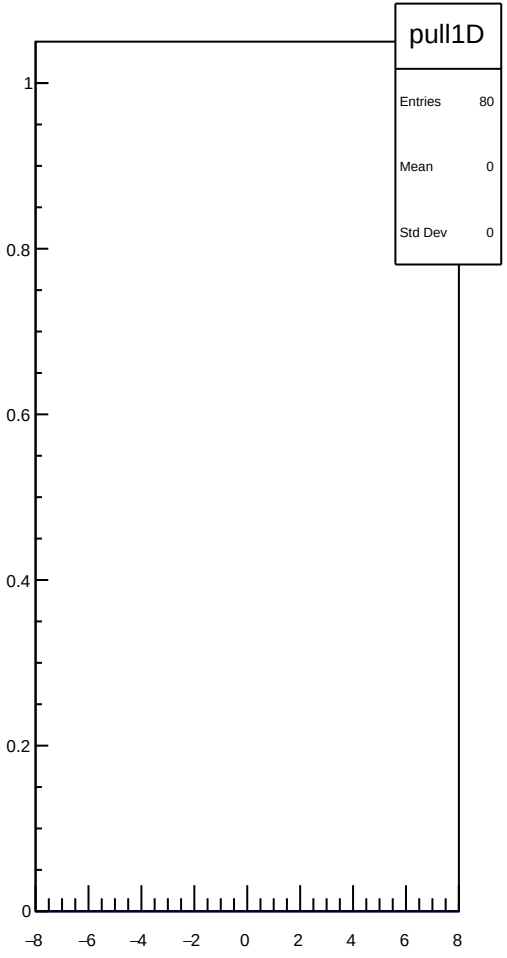

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

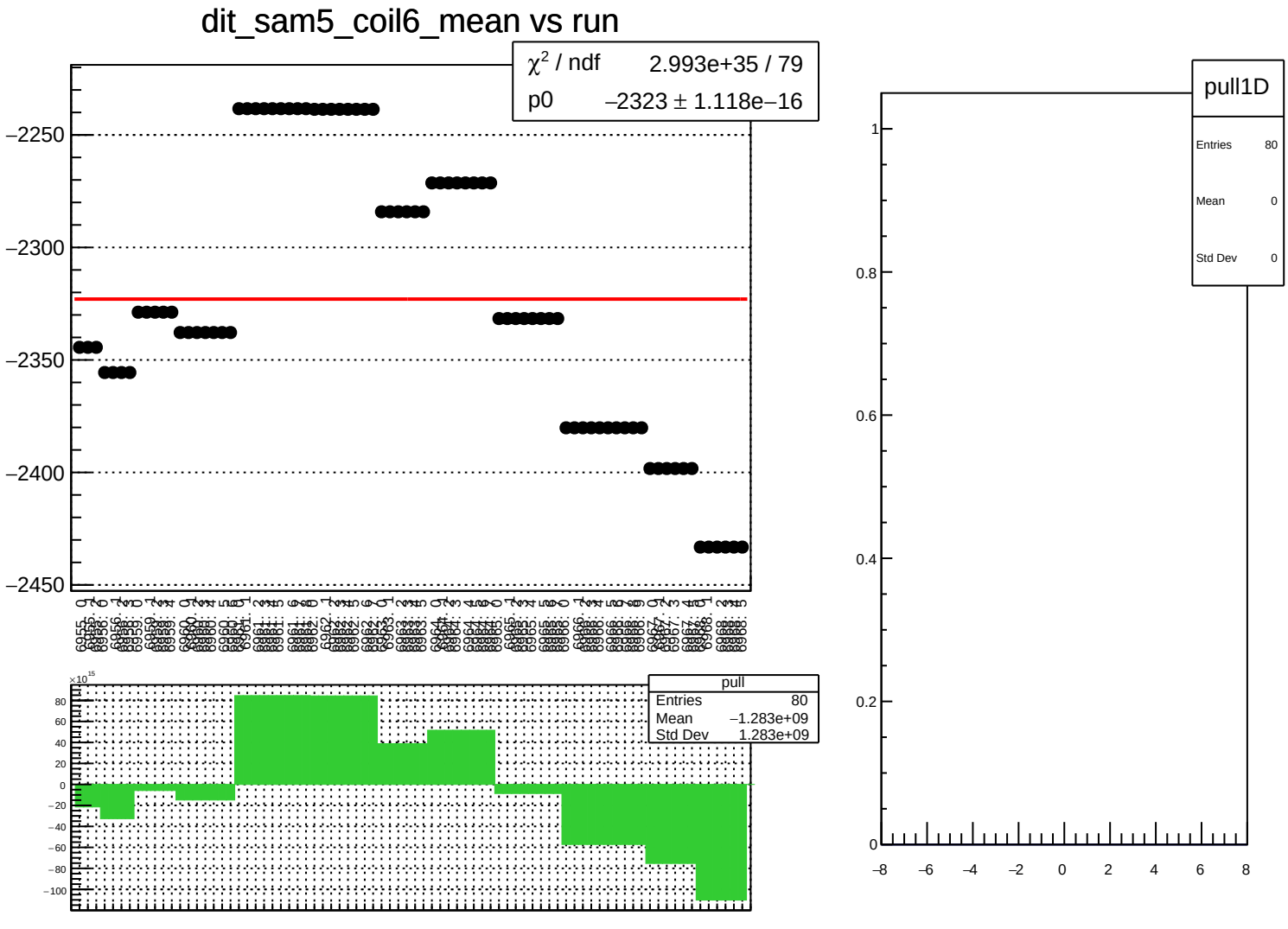

dit_sam4_coil6_mean vs run
χ² / ndf 4.196e+36 / 79
p0 −8946 ± 1.118e−16
−8400
−8600
−8800
−9000
−9200
pull
Entries 80
Mean 3.145e+09
Std Dev 3.145e+09
×10¹⁵
600
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam4_coil6_err_mean vs run
χ² / ndf 2.422e+35 / 79
p0 225.7 ± 1.118e−16
350
300
250
200
150
pull
Entries 80
Mean 4.062e+08
Std Dev 4.062e+08
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60
−80

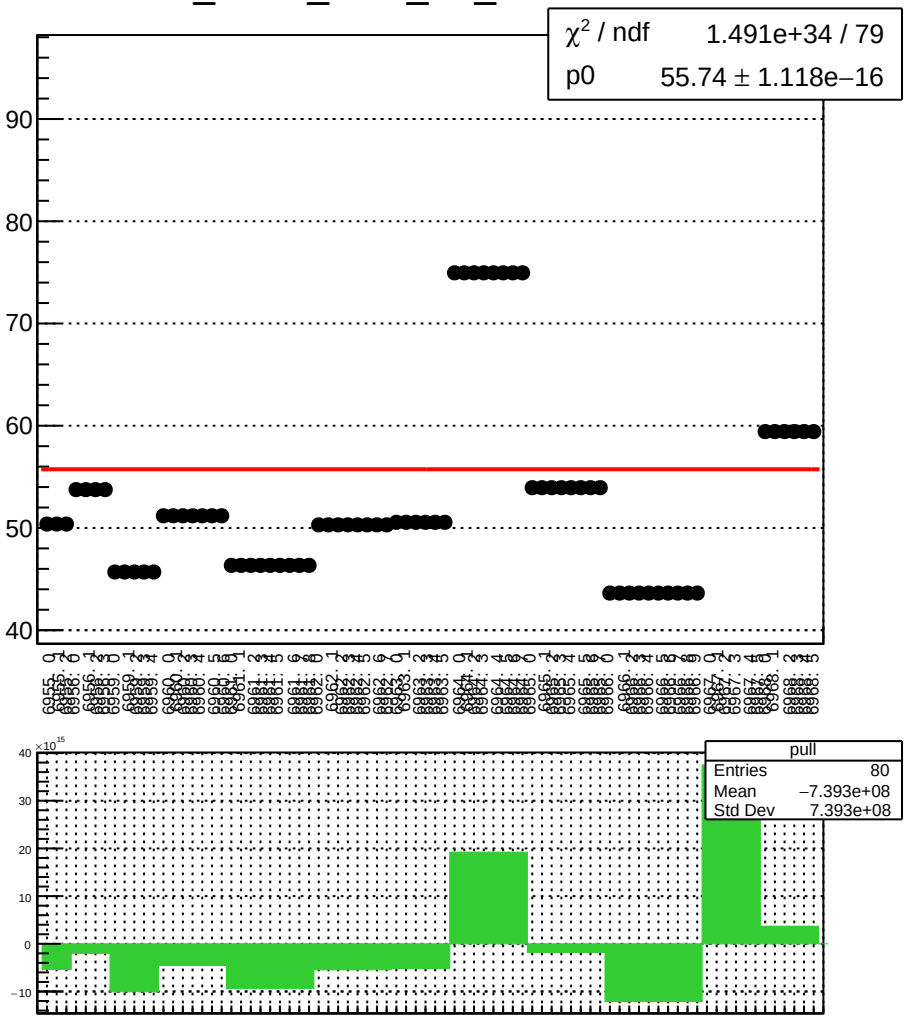

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

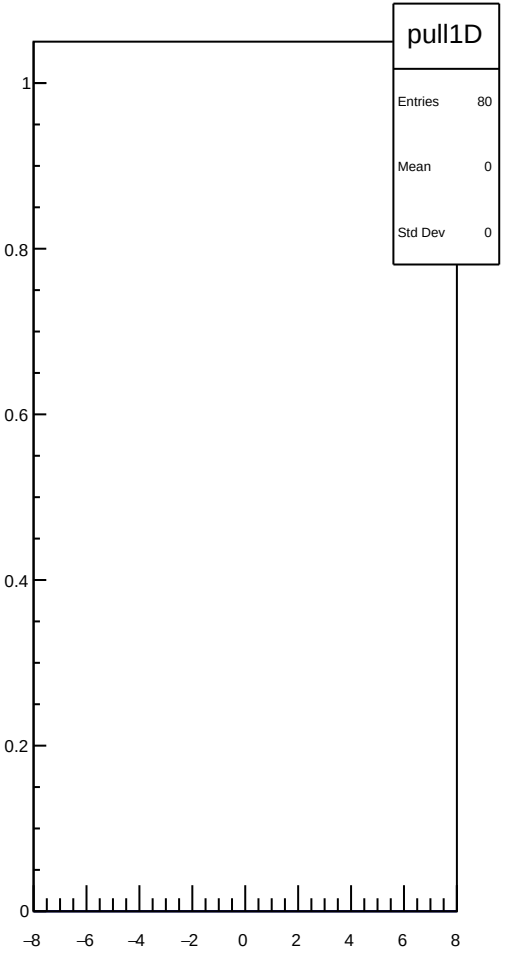

dit_sam4_coil6_Ndata_mean vs run
χ^2 / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10^15
400
200
0
−200
−400
−600
−800

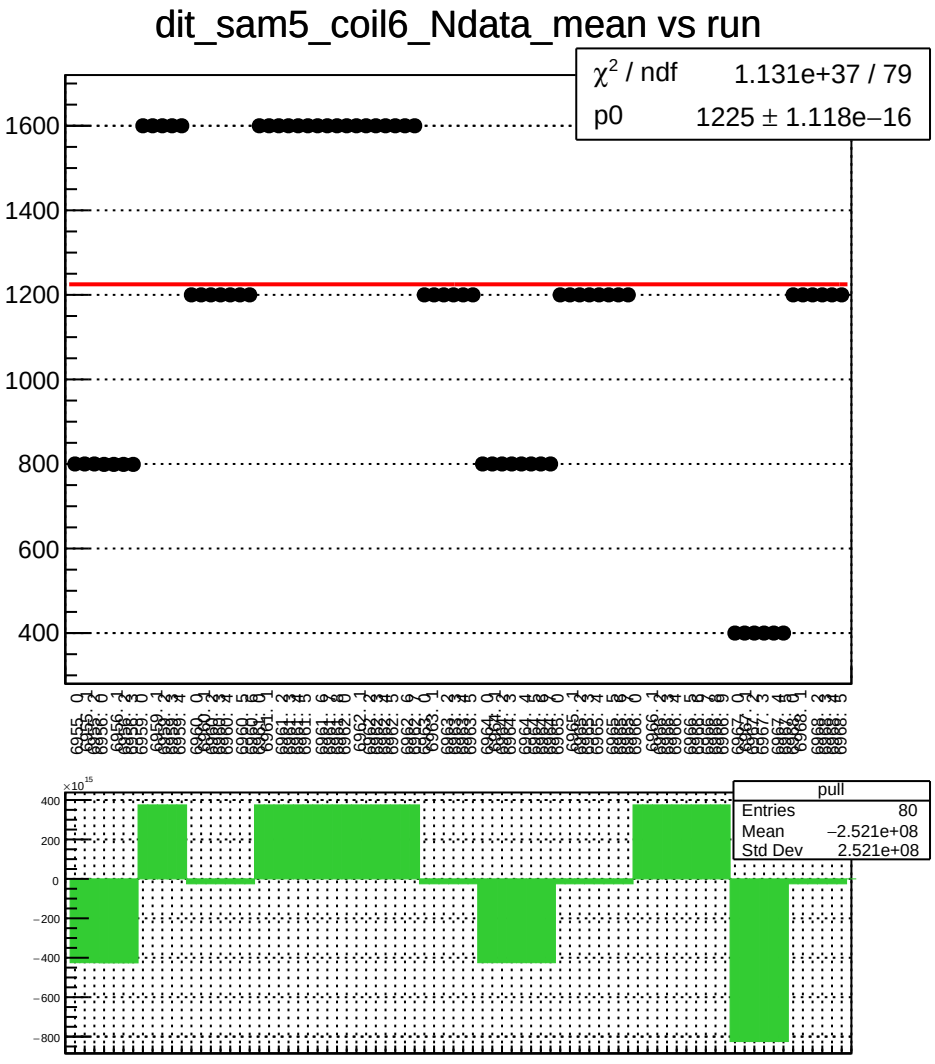

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

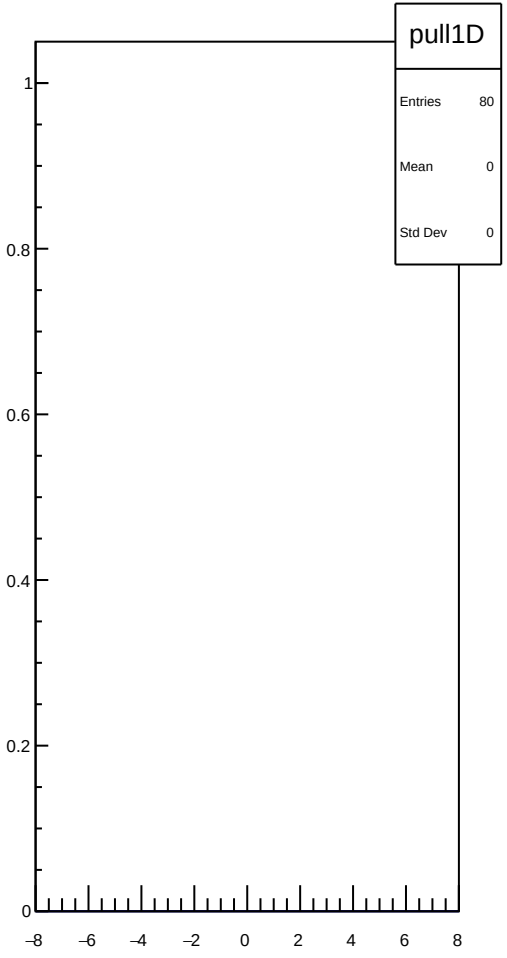

dit_sam5_coil6_mean vs run
χ² / ndf 2.993e+35 / 79
p0 −2323 ± 1.118e−16
−2250
−2300
−2350
−2400
−2450
pull
Entries 80
Mean −1.283e+09
Std Dev 1.283e+09
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

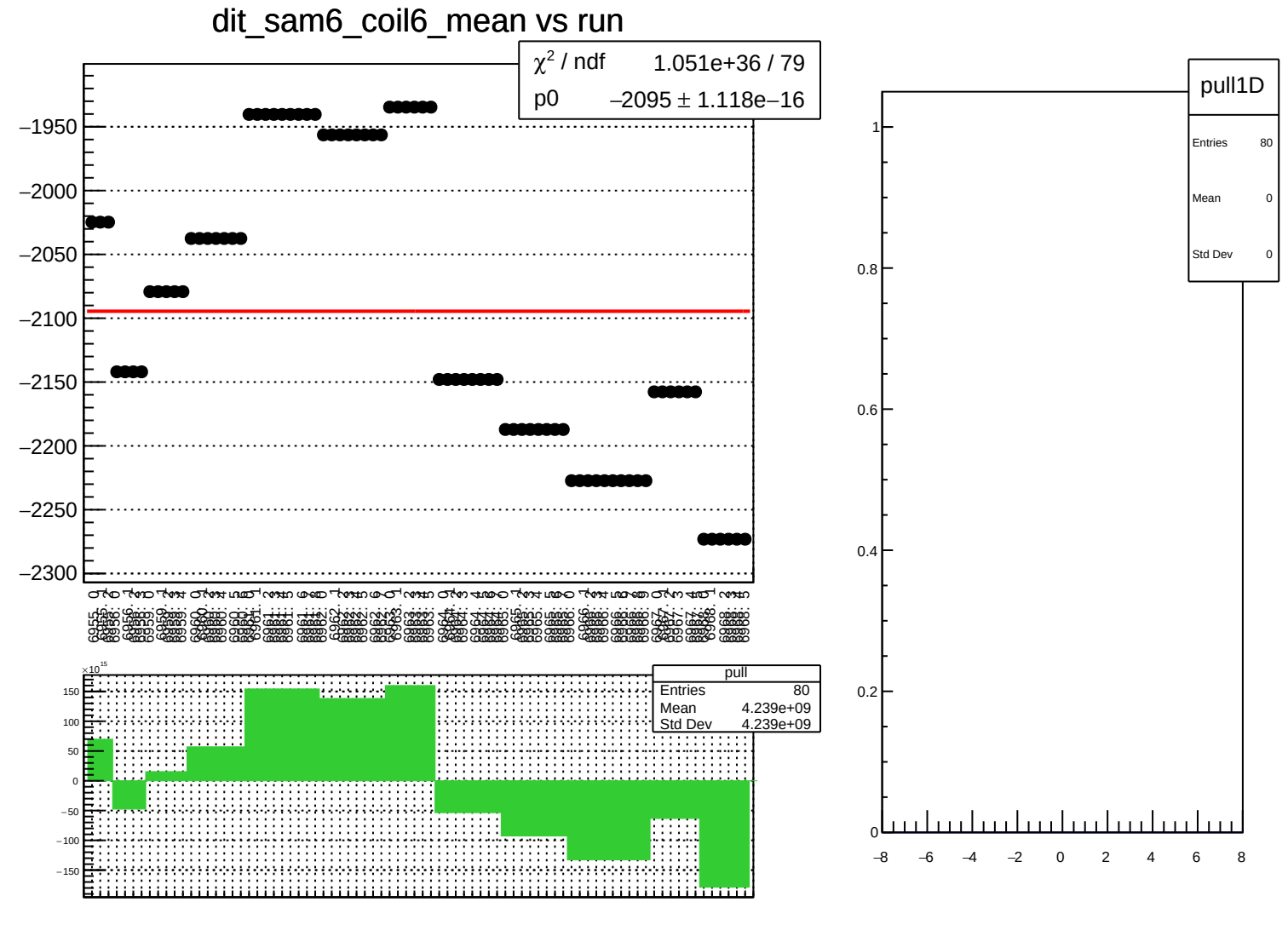
dit_sam5_coil6_err_mean vs run






dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil6_mean vs run
χ^2 / ndf 1.051e+36 / 79
p0 −2095 ± 1.118e−16
−1950
−2000
−2050
−2100
−2150
−2200
−2250
−2300
pull
Entries 80
Mean 4.239e+09
Std Dev 4.239e+09
150
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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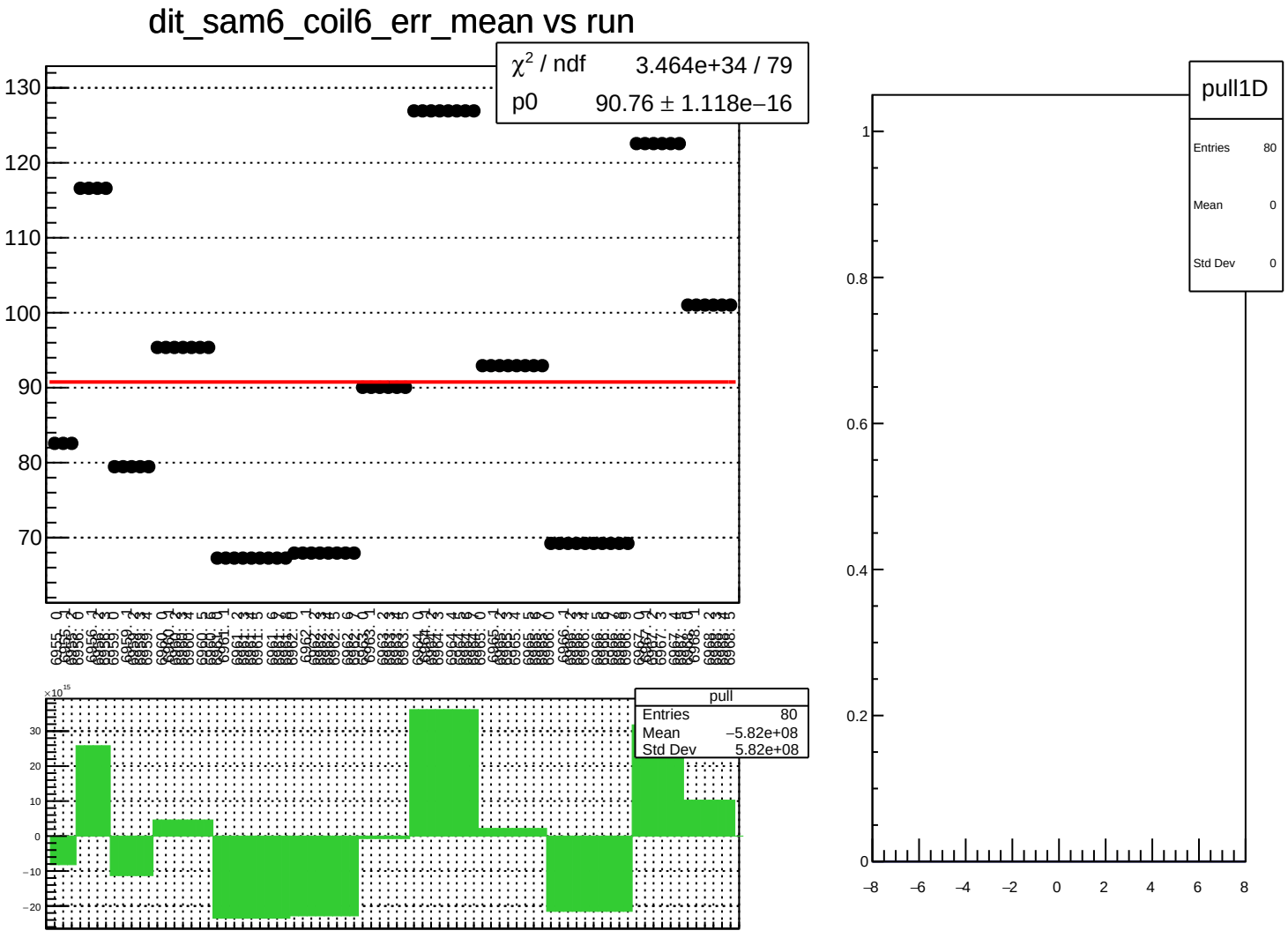
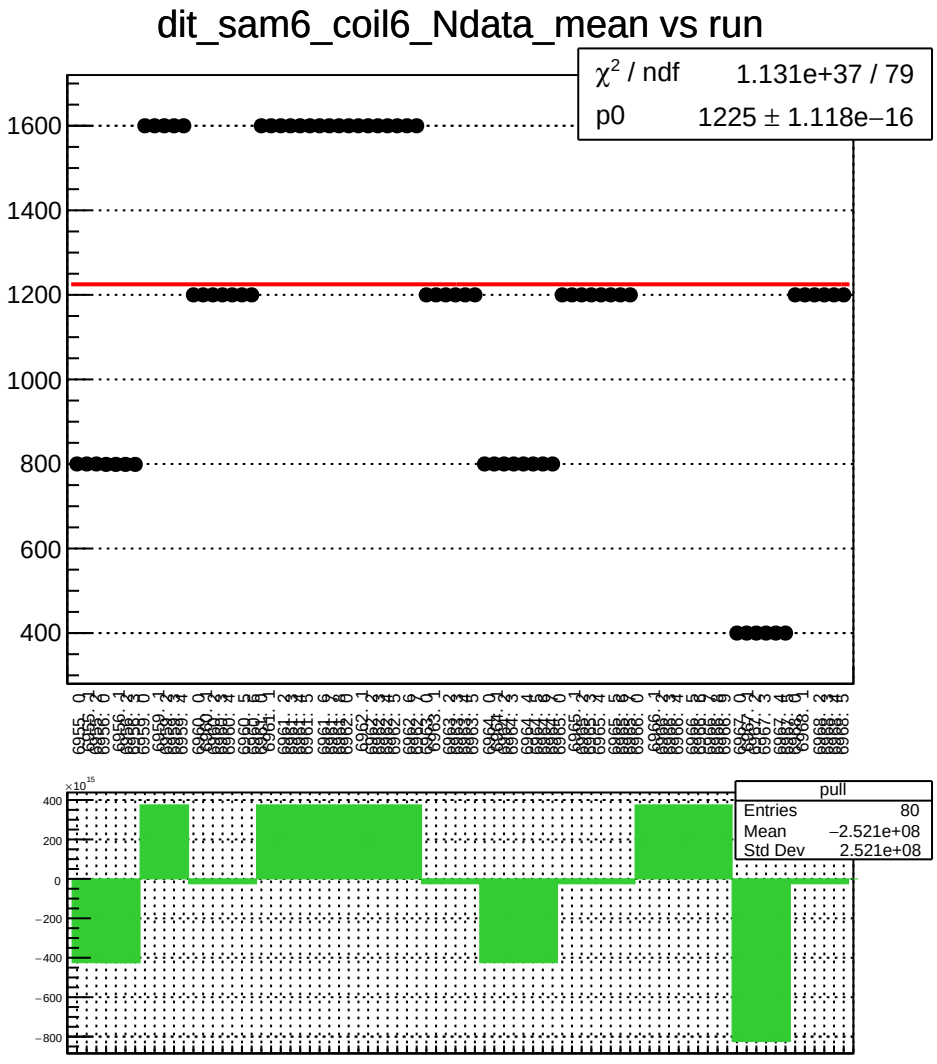
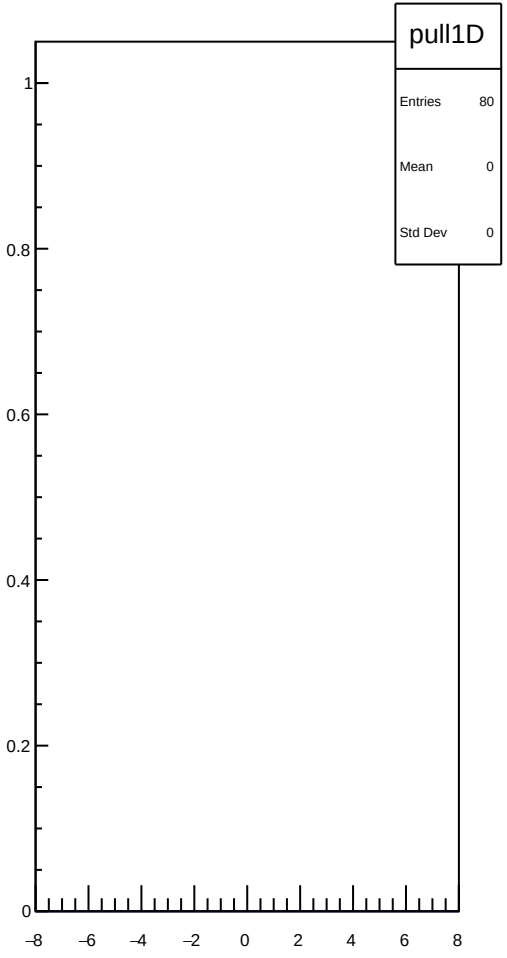
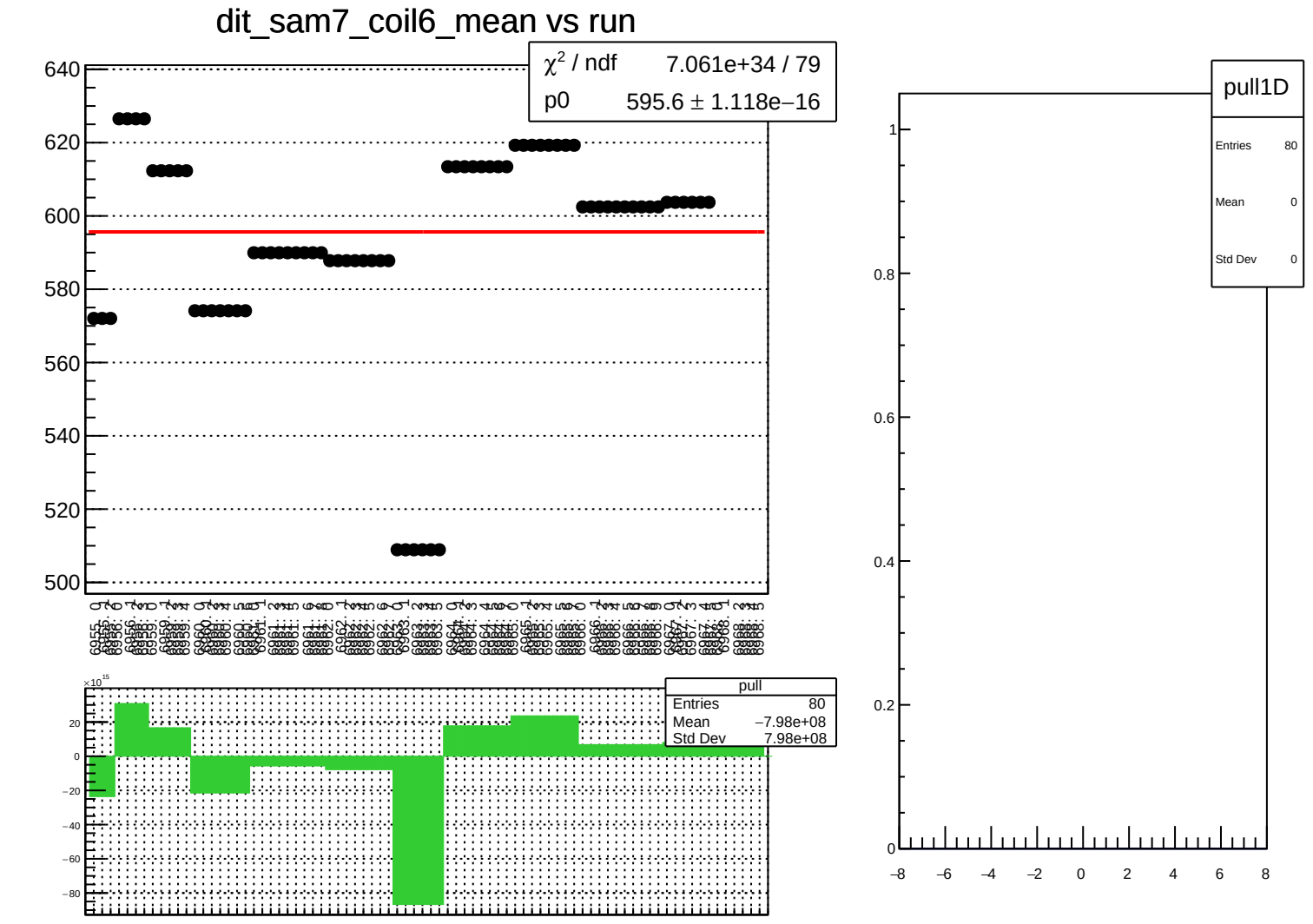
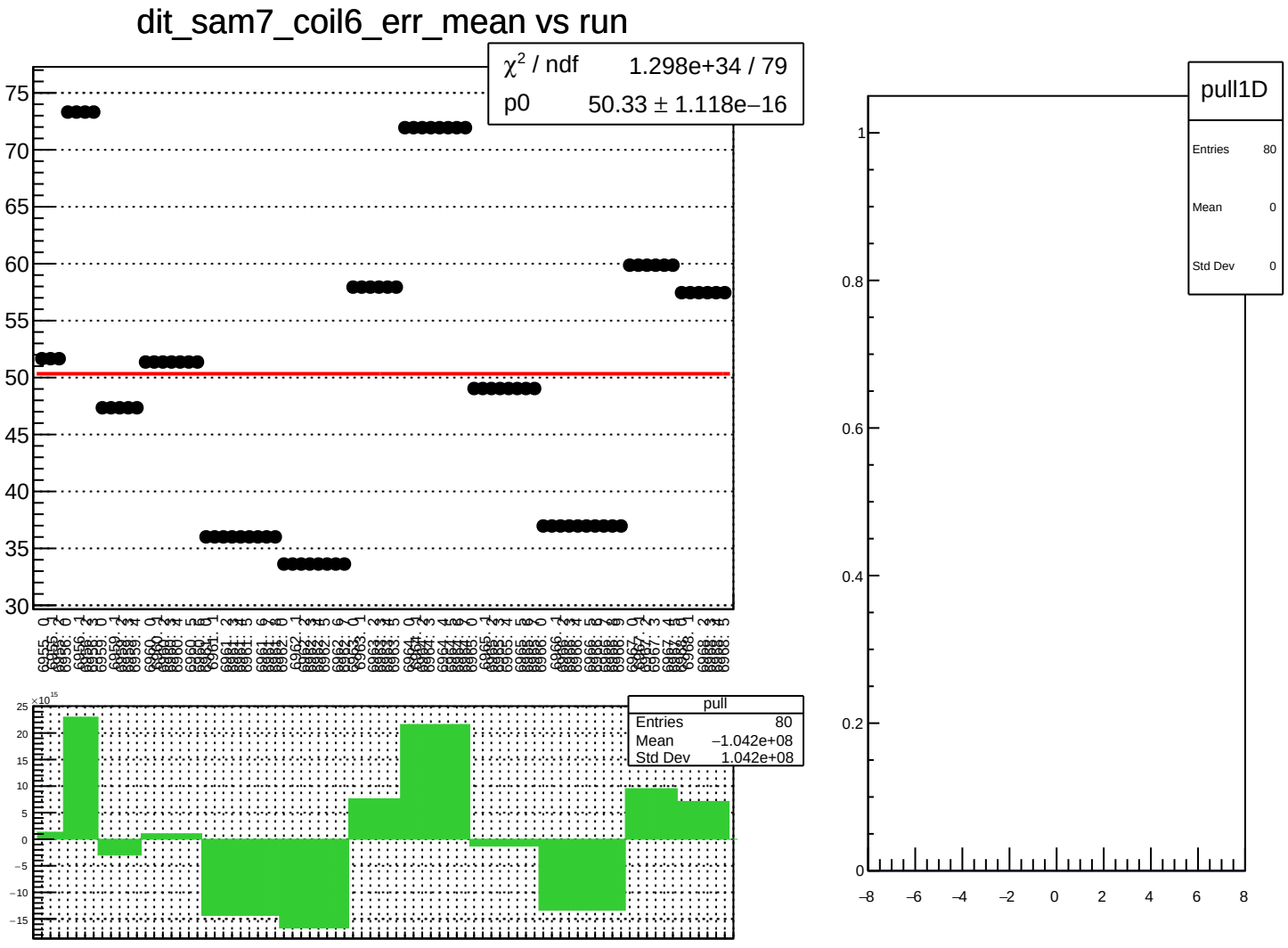
0
2
4
6
8

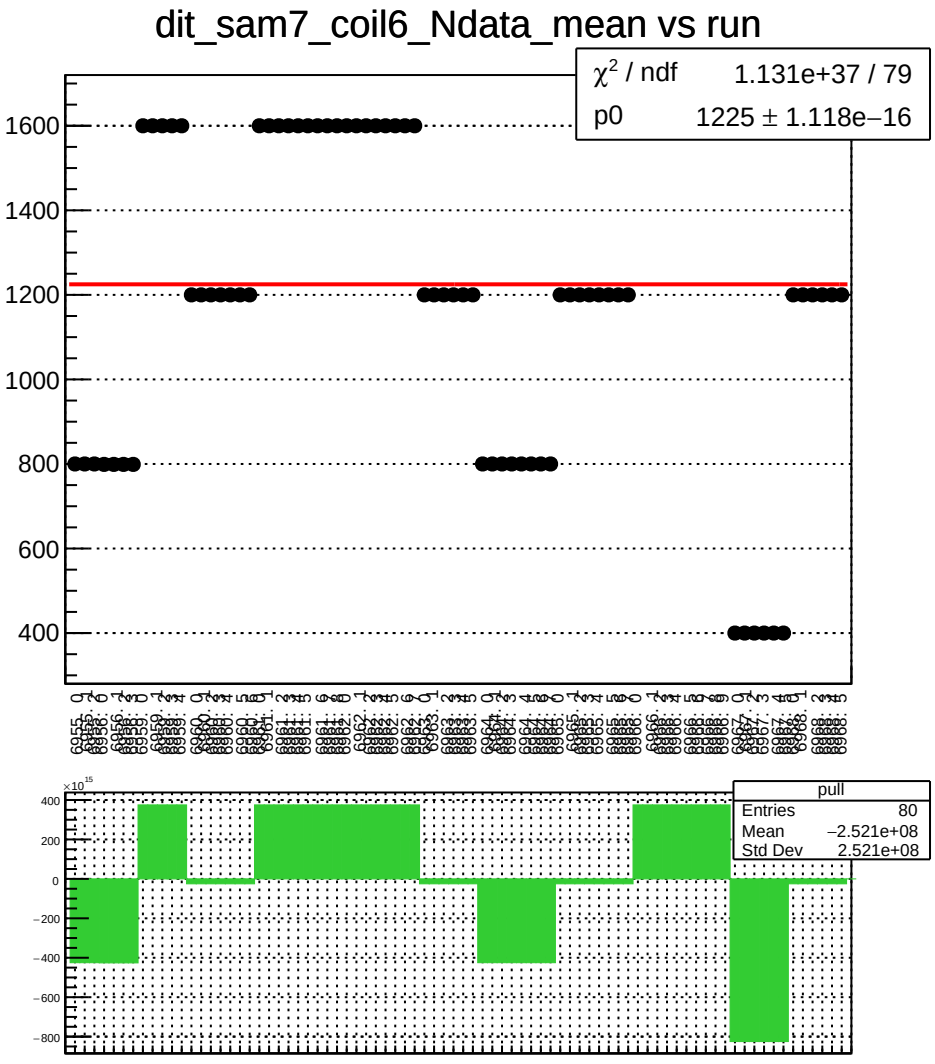

dit_sam6_coil6_err_mean vs run
χ^2 / ndf 3.464e+34 / 79
p0 90.76 ± 1.118e−16
130
120
110
100
90
80
70
pull
Entries 80
Mean −5.82e+08
Std Dev 5.82e+08
30
20
10
0
−10
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

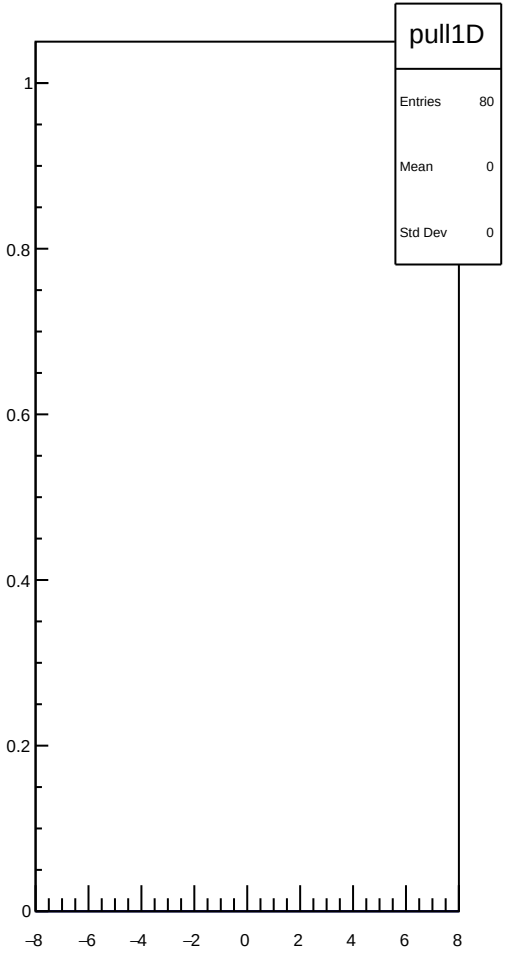

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

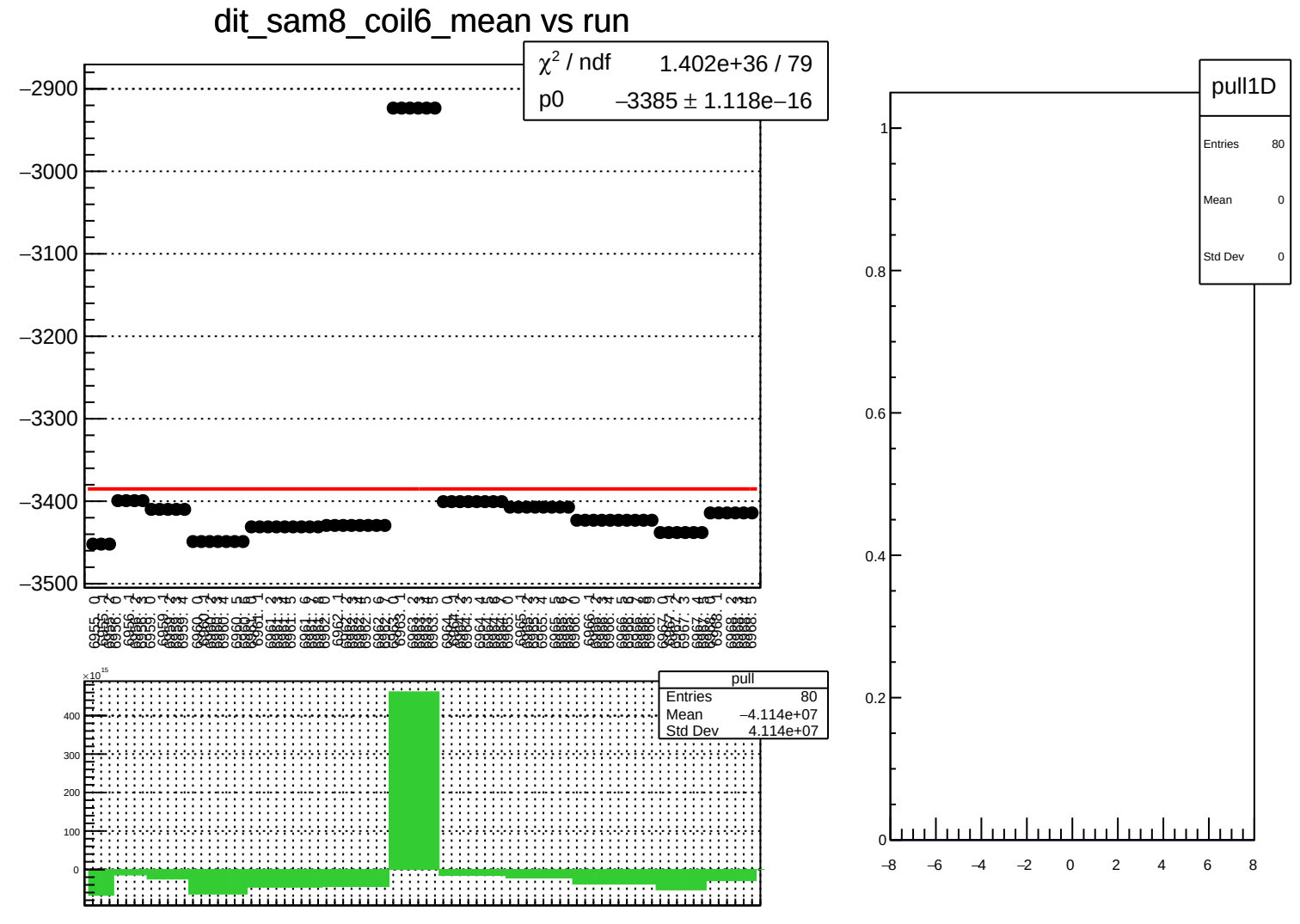

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

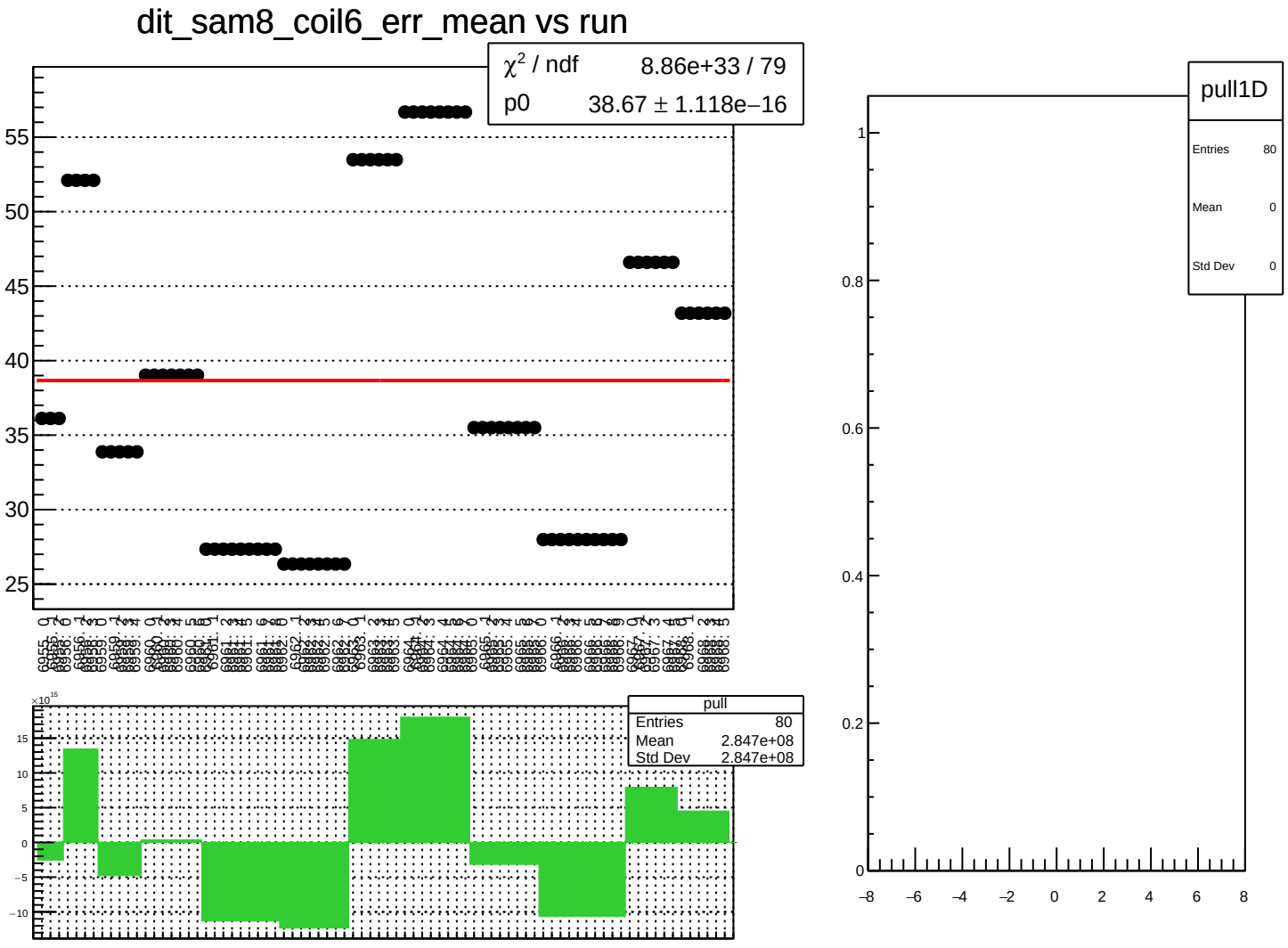

dit_sam7_coil6_mean vs run
χ² / ndf 7.061e+34 / 79
p0 595.6 ± 1.118e−16
640
620
600
580
560
540
520
500
pull
Entries 80
Mean −7.98e+08
Std Dev 7.98e+08
×10¹⁵
20
0
−20
−40
−60
−80
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

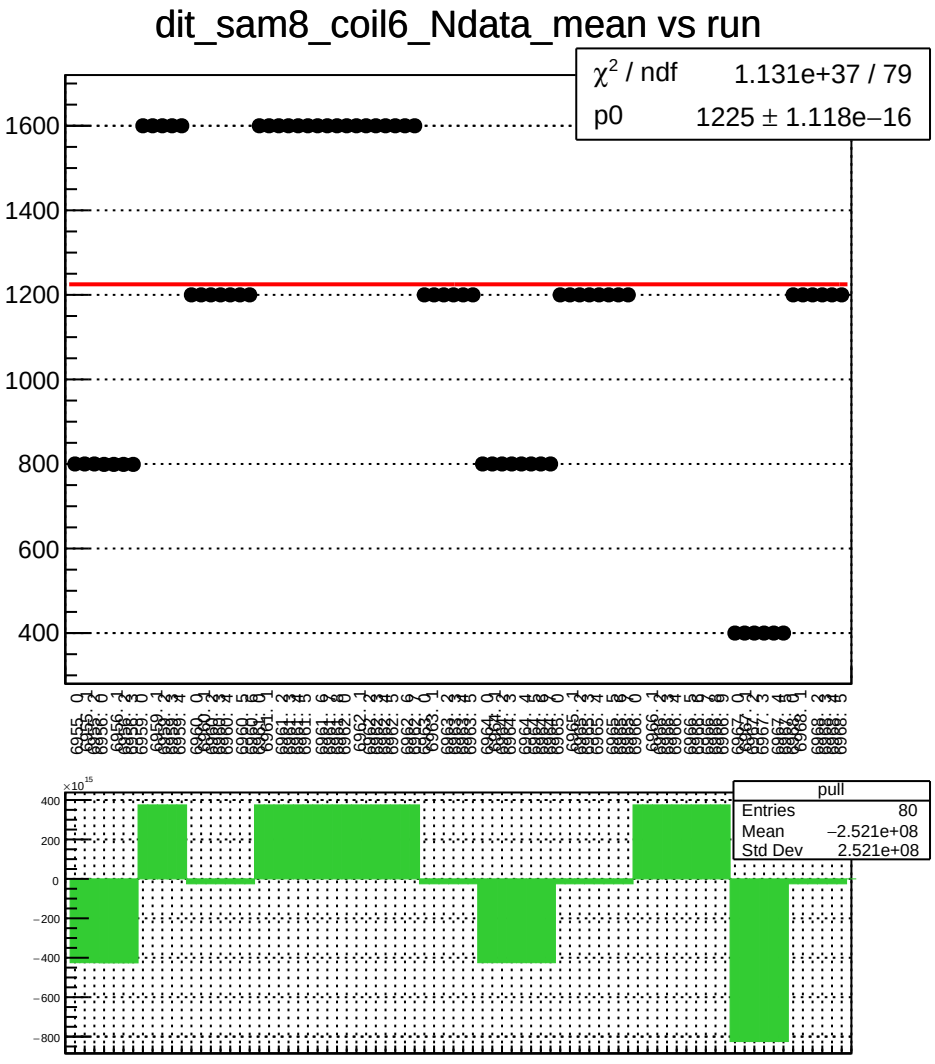

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.298e+34 / 79
p0 50.33 ± 1.118e−16
pull
Entries 80
Mean −1.042e+08
Std Dev 1.042e+08
pull1D
Entries 80
Mean 0
Std Dev 0

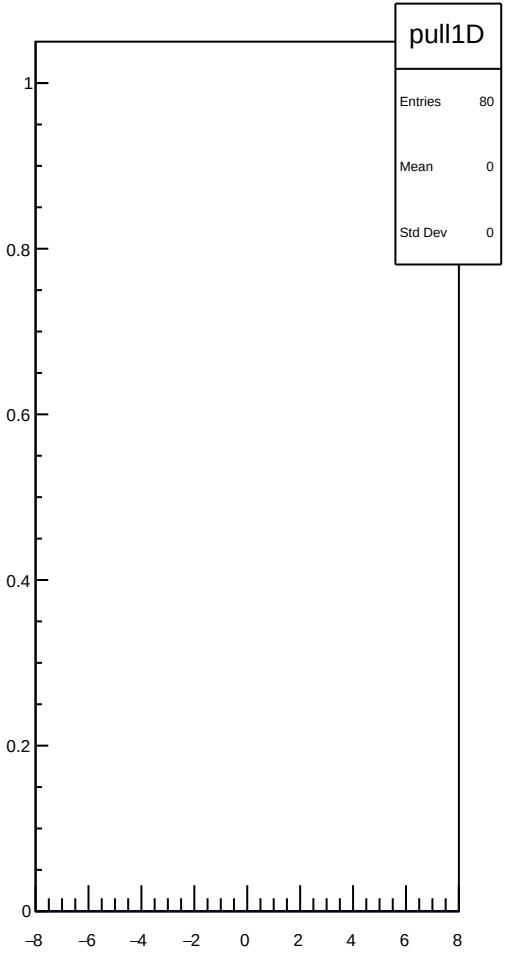

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

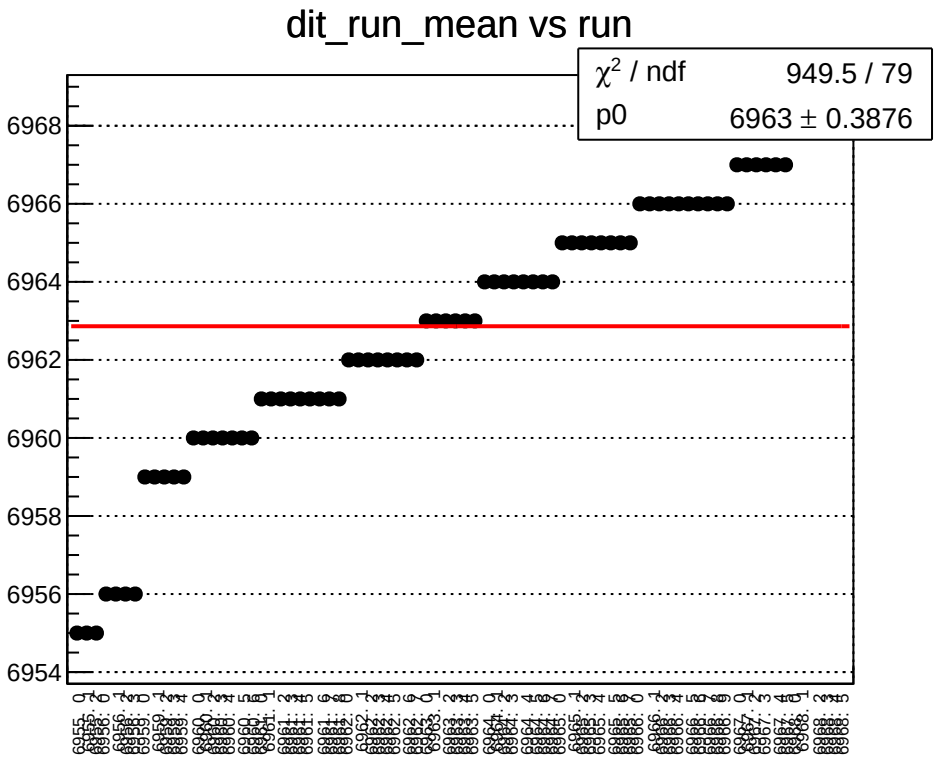

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

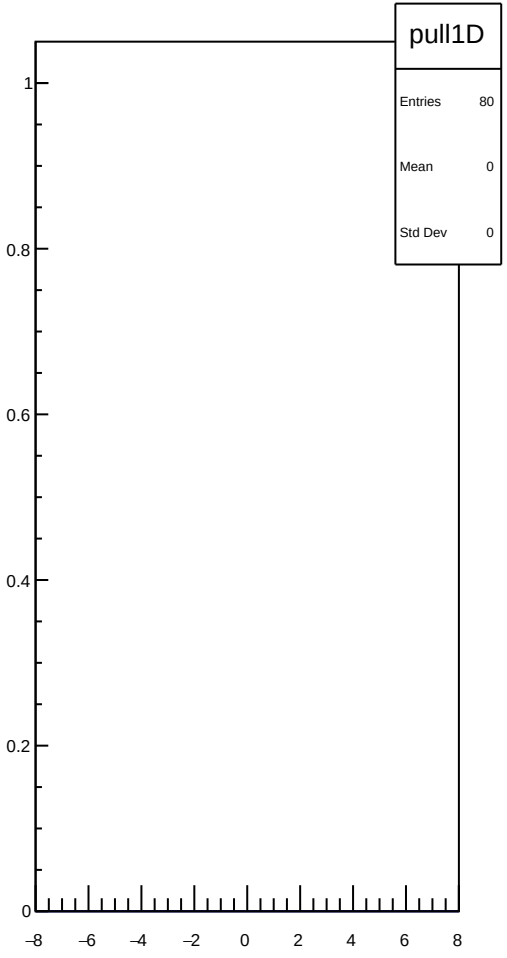

dit_sam8_coil6_mean vs run
χ² / ndf 1.402e+36 / 79
p0 −3385 ± 1.118e−16
−2900
−3000
−3100
−3200
−3300
−3400
−3500
pull
Entries 80
Mean −4.114e+07
Std Dev 4.114e+07
×10¹⁵
400
300
200
100
0
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

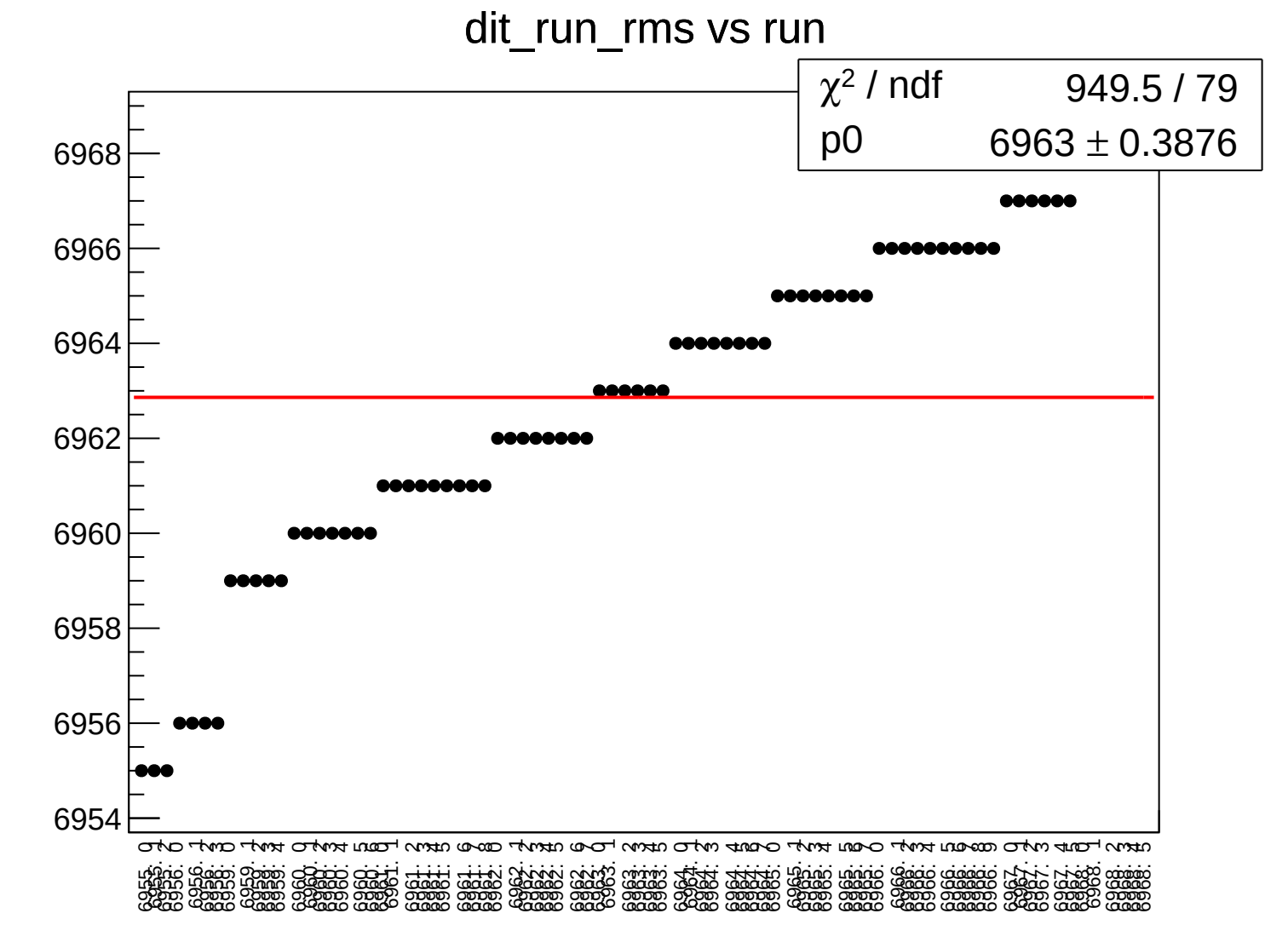

dit_sam8_coil6_err_mean vs run
χ² / ndf 8.86e+33 / 79
p0 38.67 ± 1.118e−16
pull
Entries 80
Mean 2.847e+08
Std Dev 2.847e+08
pull1D
Entries 80
Mean 0
Std Dev 0

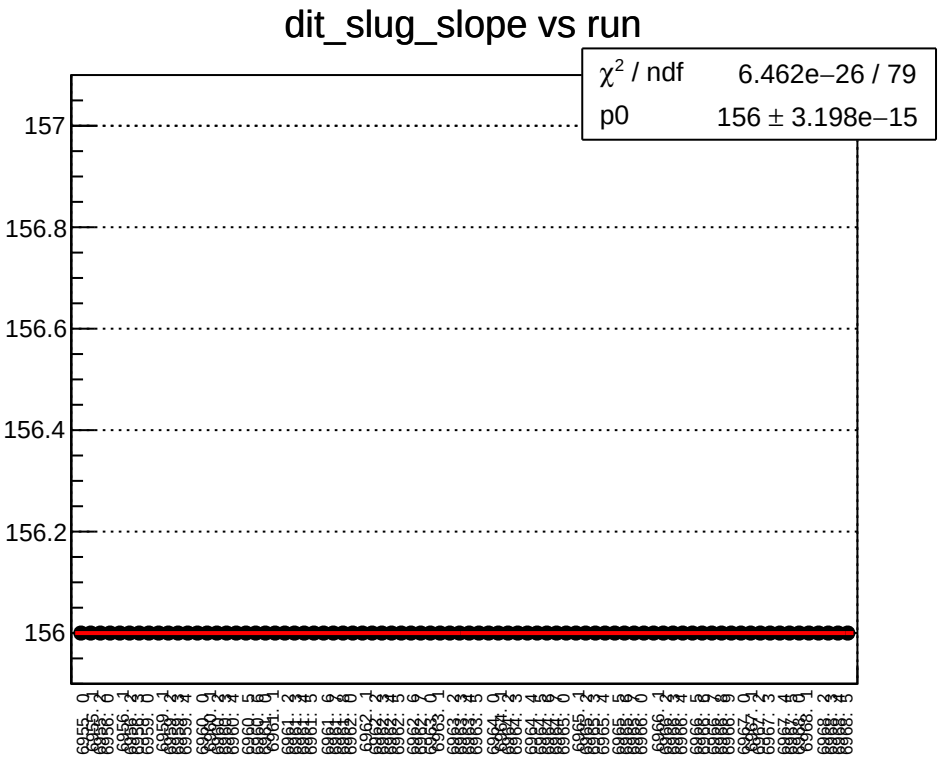

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.131e+37 / 79
p0 1225 ± 1.118e−16
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −2.521e+08
Std Dev 2.521e+08
×10¹⁵
400
200
0
−200
−400
−600
−800

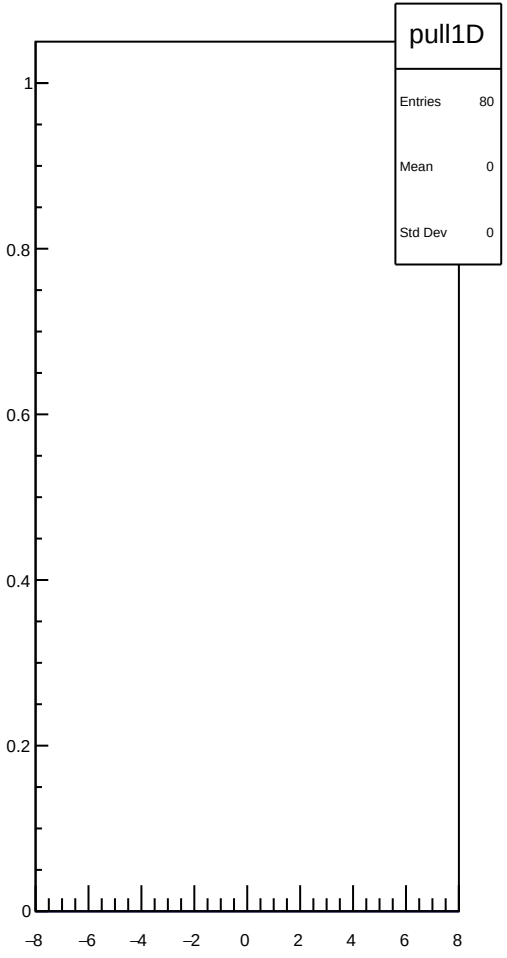

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

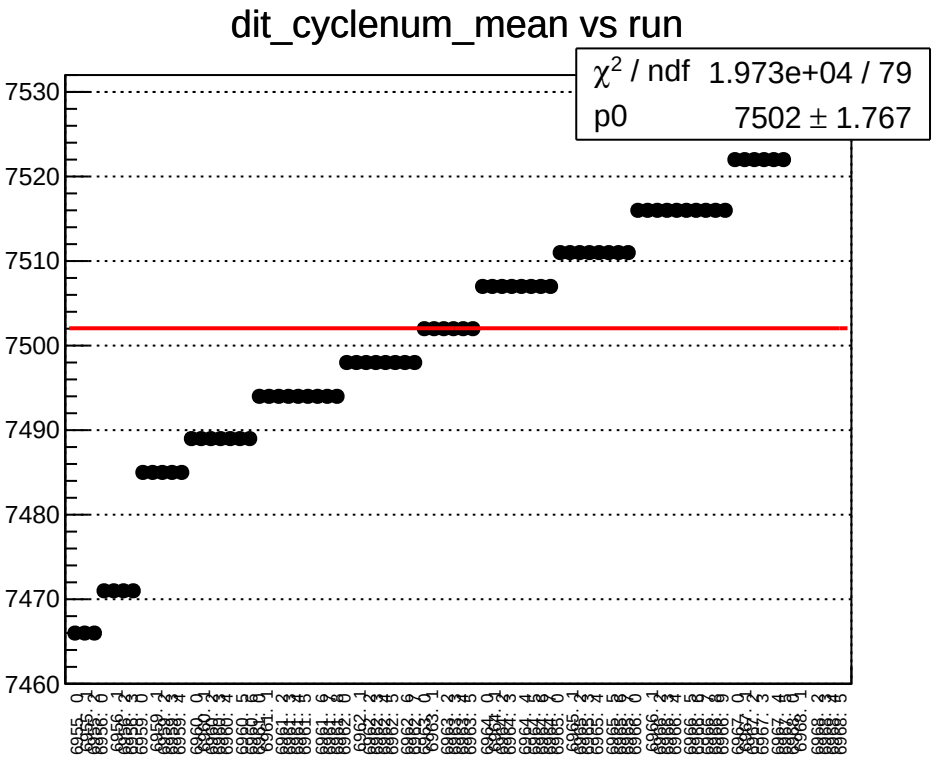

dit_run_mean vs run
χ^2 / ndf 949.5 / 79
p0 6963 ± 0.3876
6968
6966
6964
6962
6960
6958
6956
6954

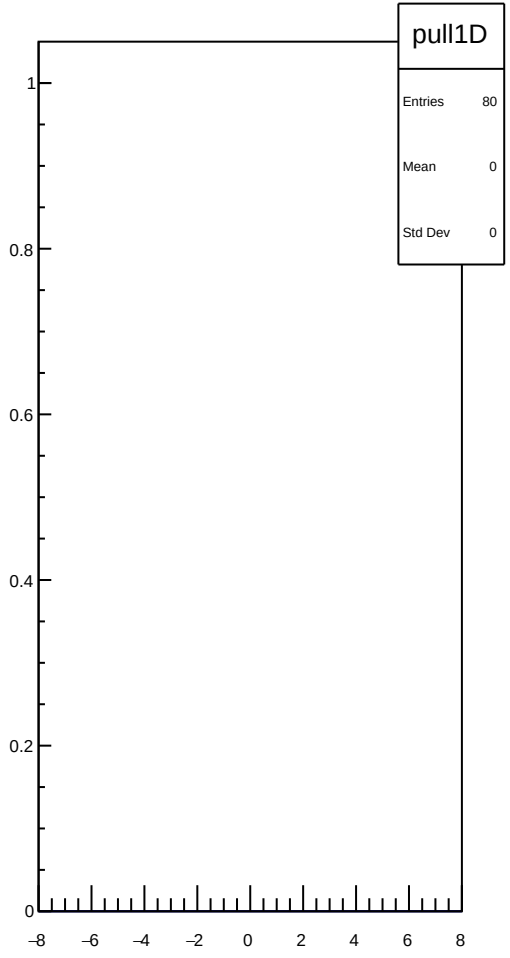

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

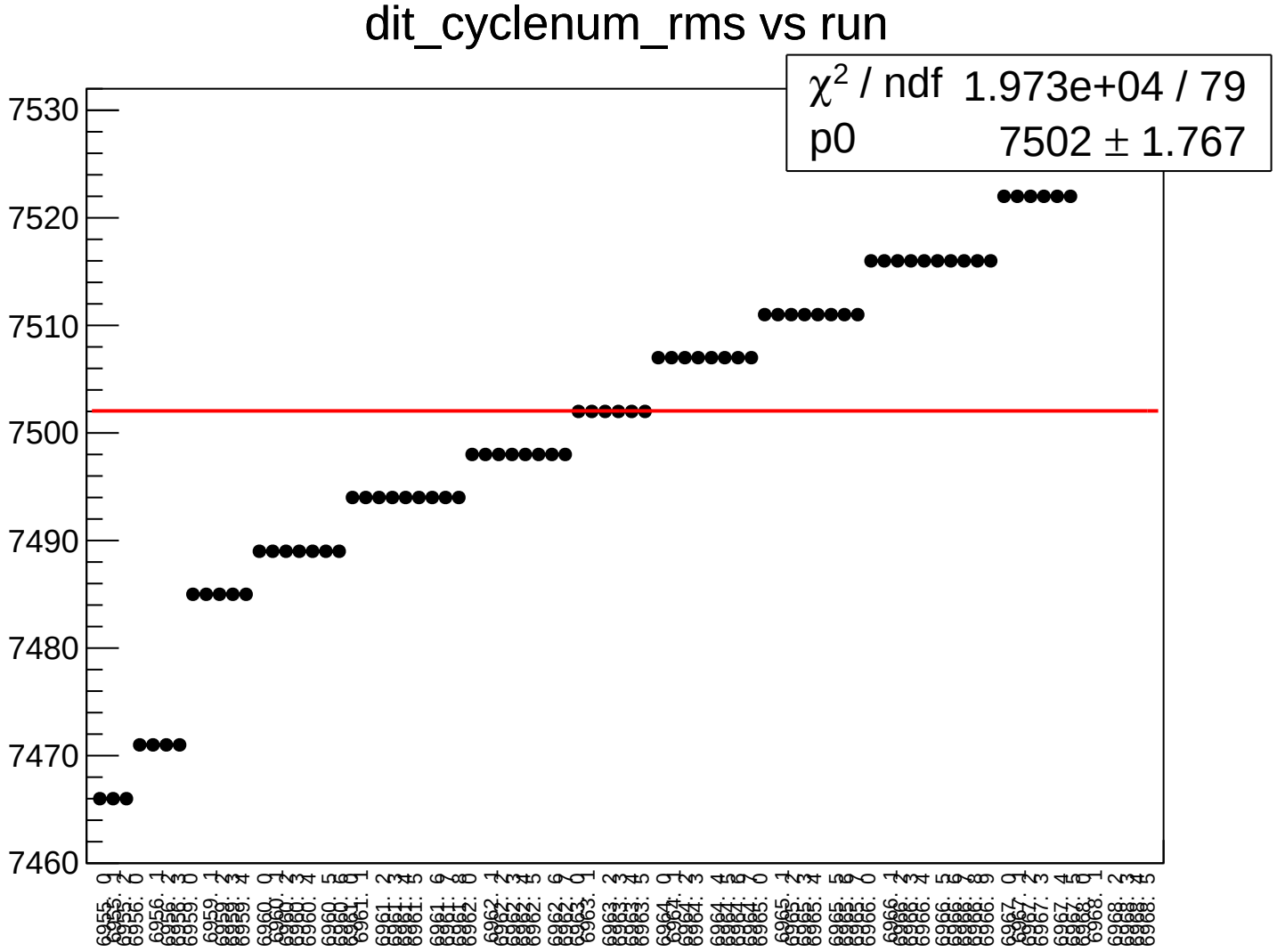

dit_run_rms vs run
χ² / ndf 949.5 / 79
p0 6963 ± 0.3876
6968
6966
6964
6962
6960
6958
6956
6954

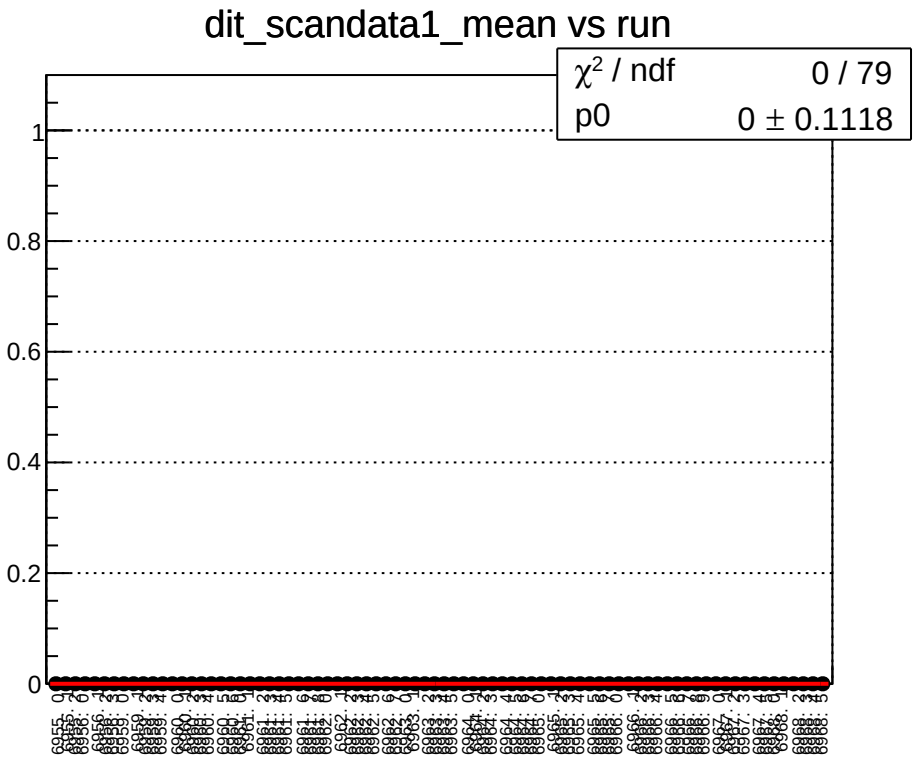

dit_slug_slope vs run
χ^2 / ndf 6.462e−26 / 79
p0 156 ± 3.198e−15
157
156.8
156.6
156.4
156.2
156

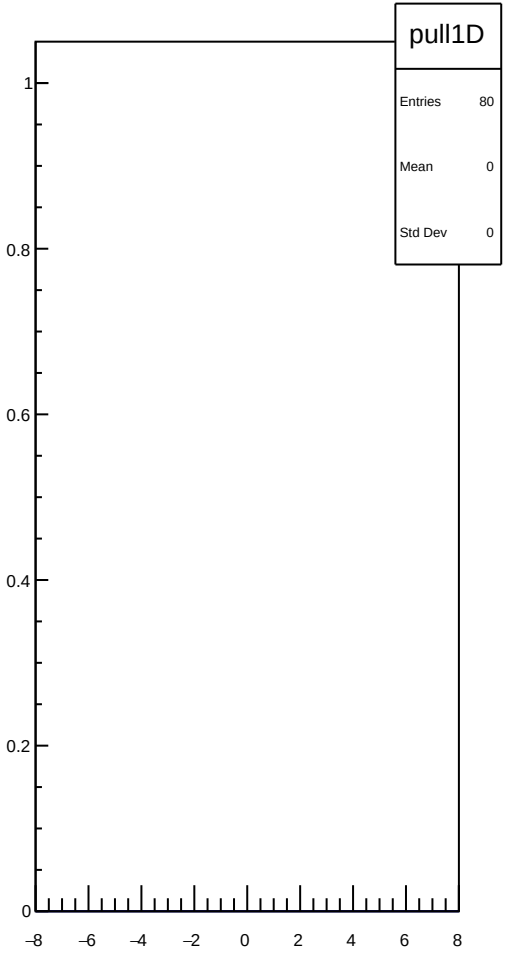

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 1.973e+04 / 79
p0 7502 ± 1.767
7530
7520
7510
7500
7490
7480
7470
7460

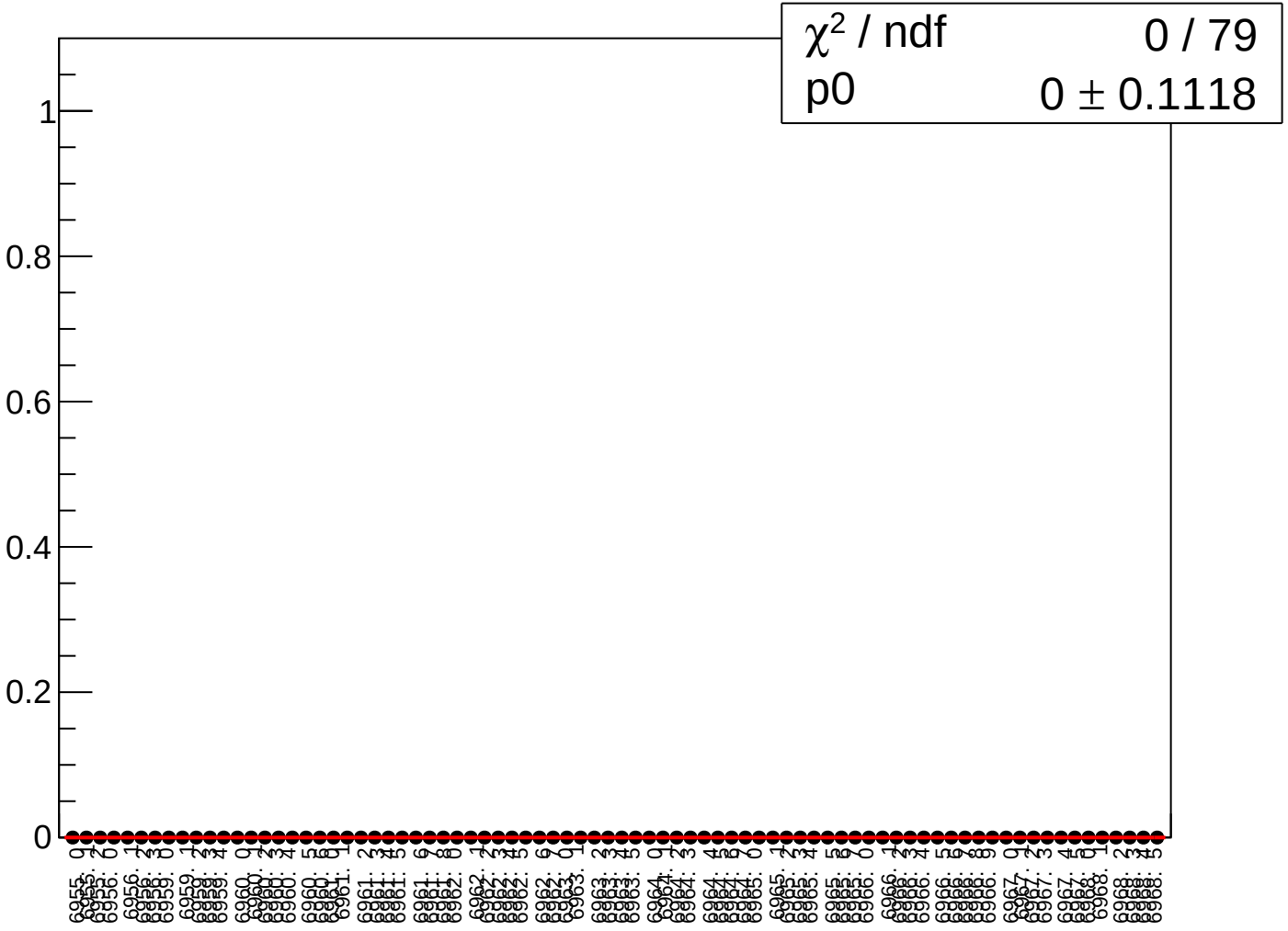

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

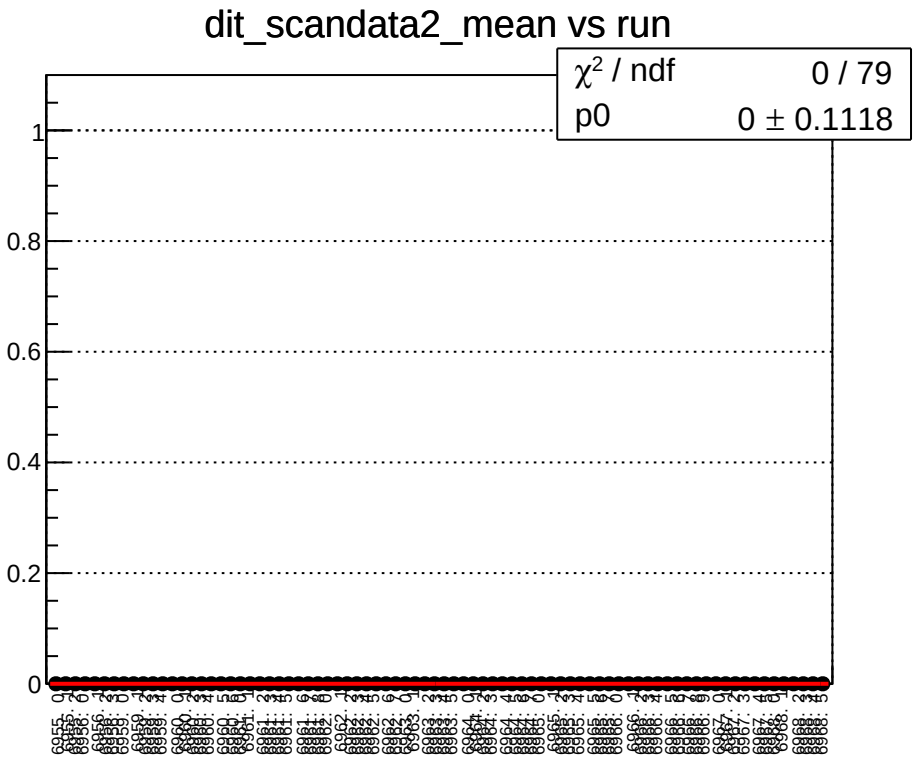

dit_cyclenum_rms vs run
χ² / ndf 1.973e+04 / 79
p0 7502 ± 1.767
7530
7520
7510
7500
7490
7480
7470
7460

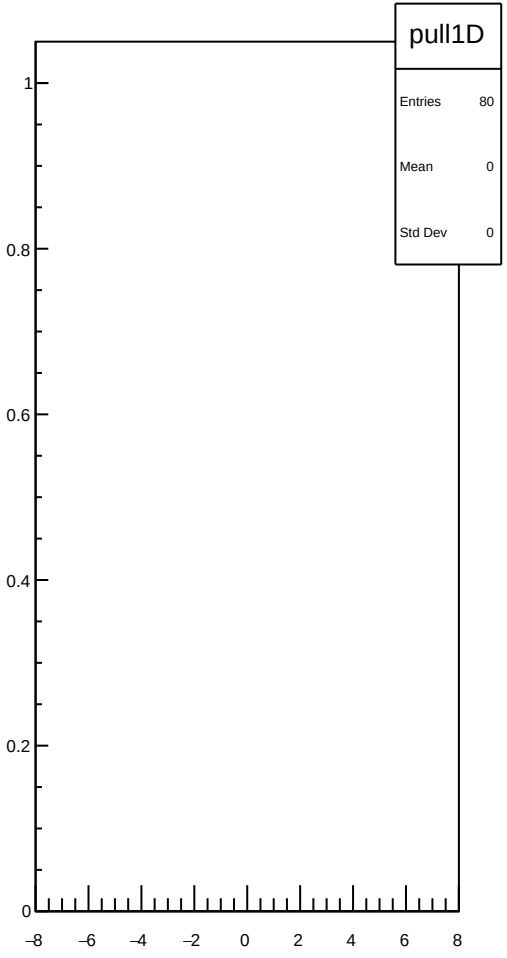

dit_scandata1_mean vs run
χ^2 / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

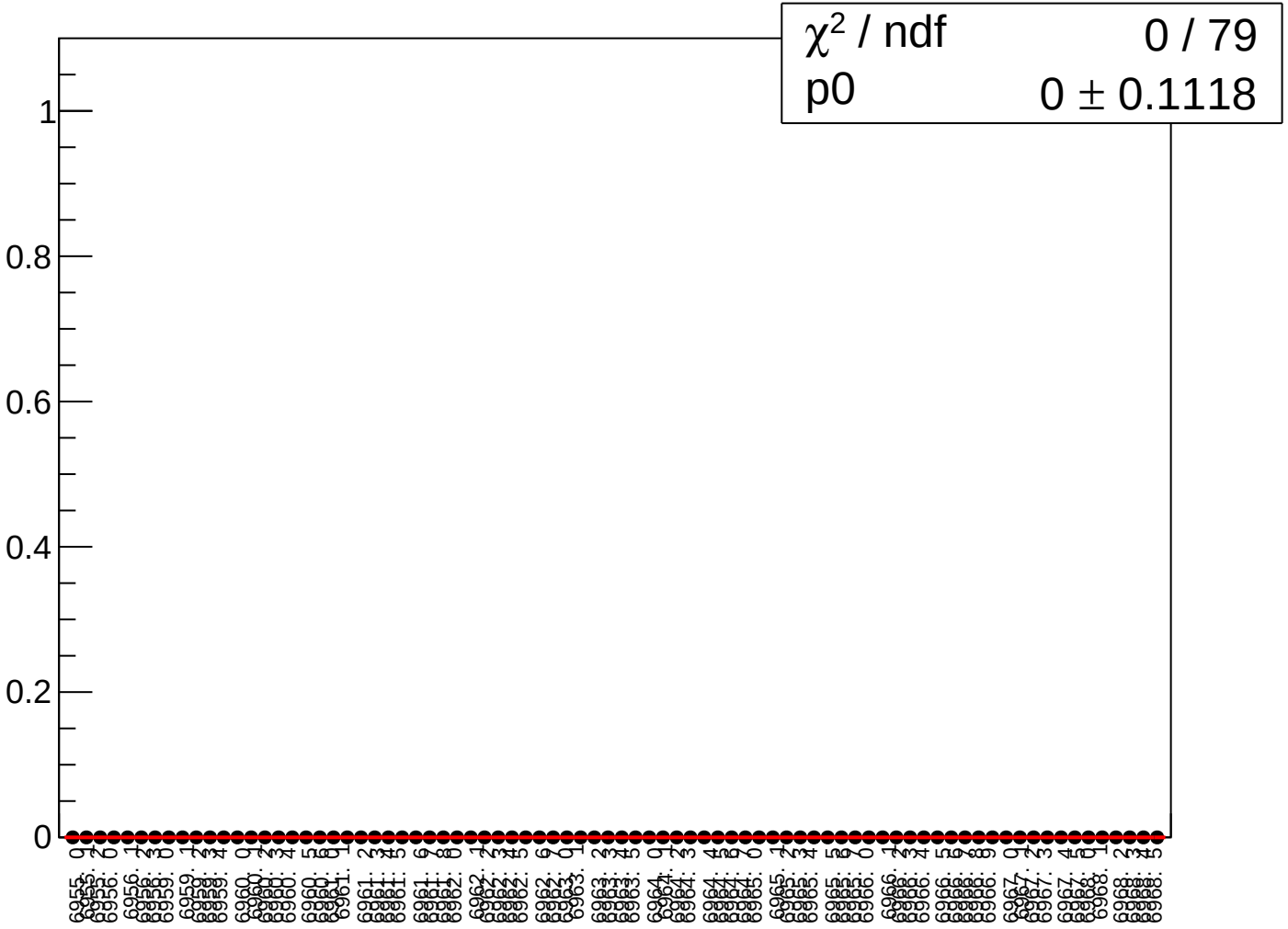
dit_scandata1_rms vs run

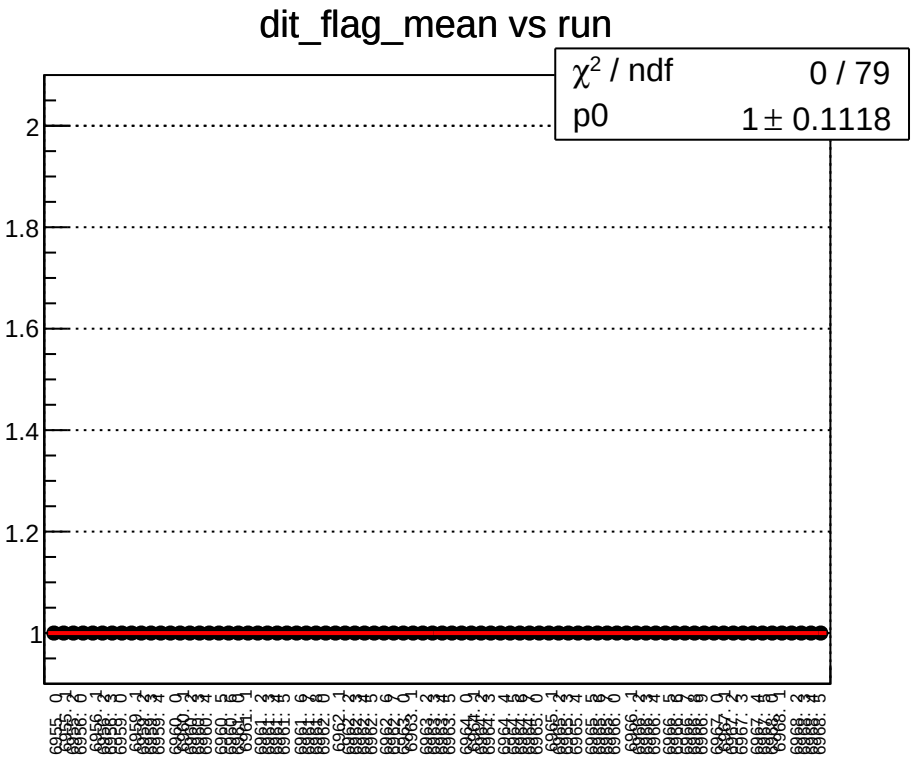


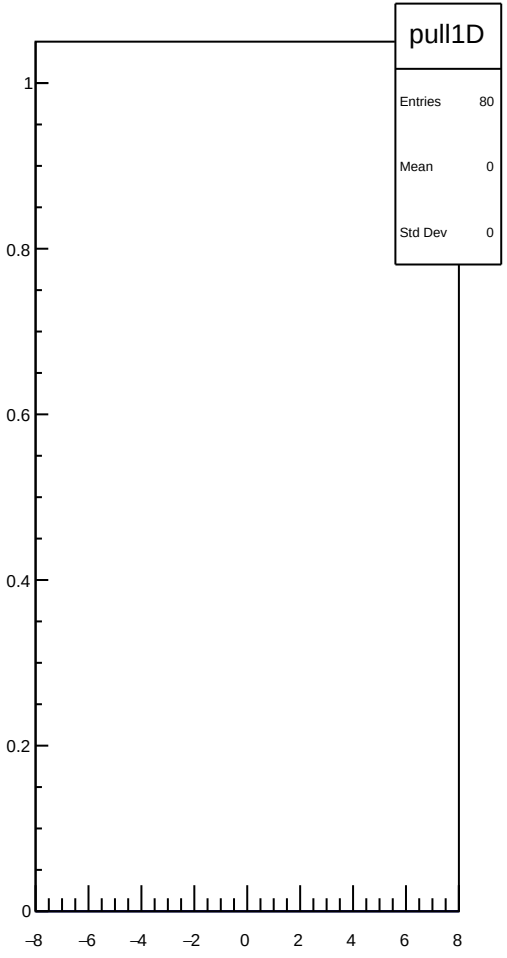

dit_scandata2_mean vs run
χ^2 / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

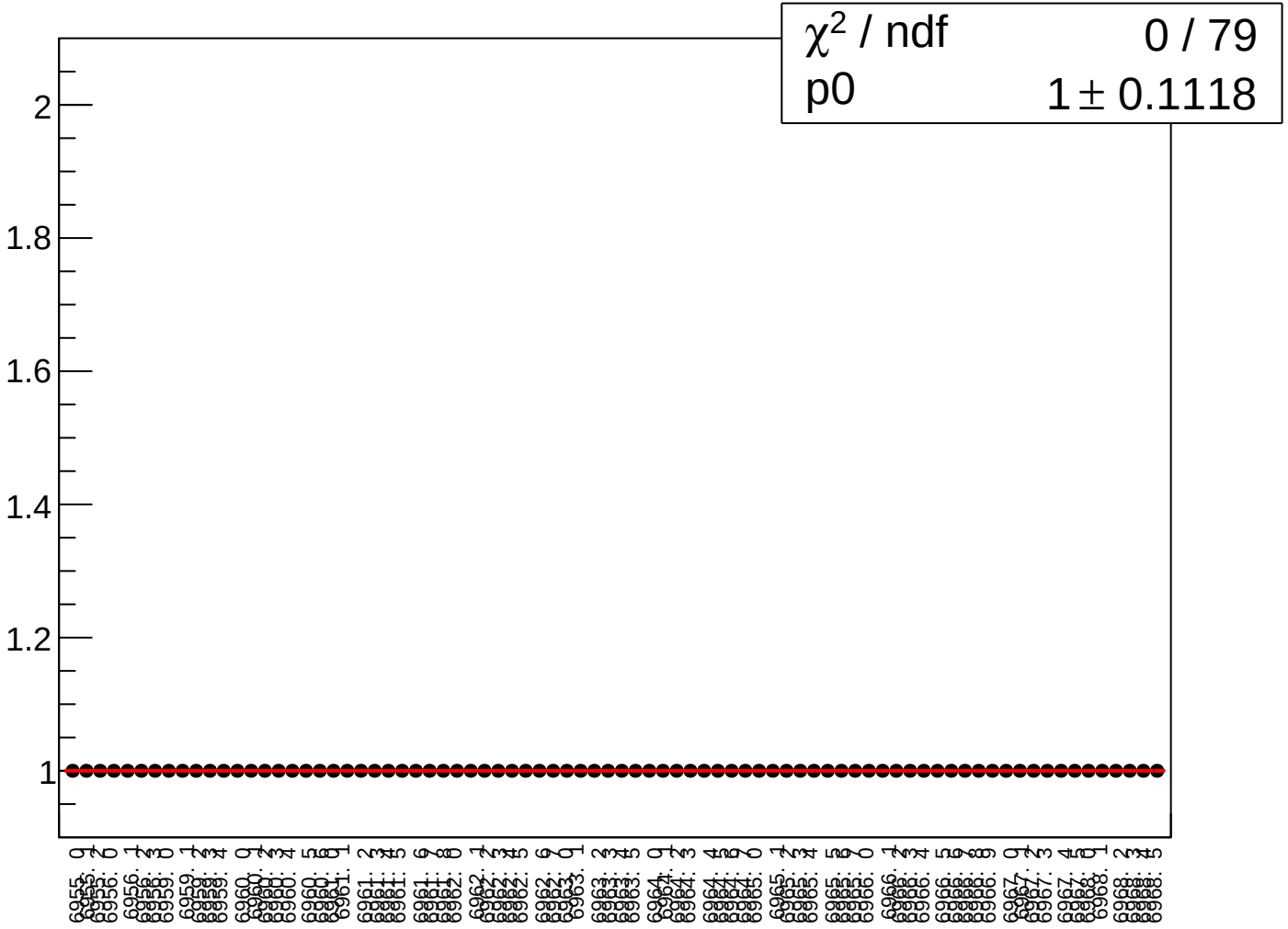
dit_scandata2_rms vs run

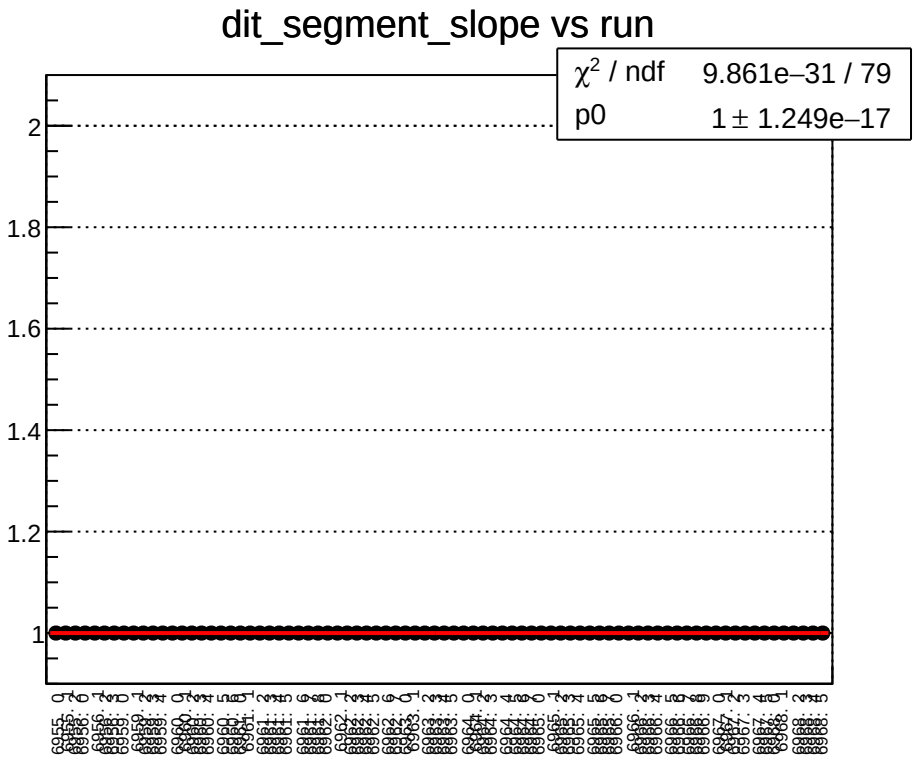


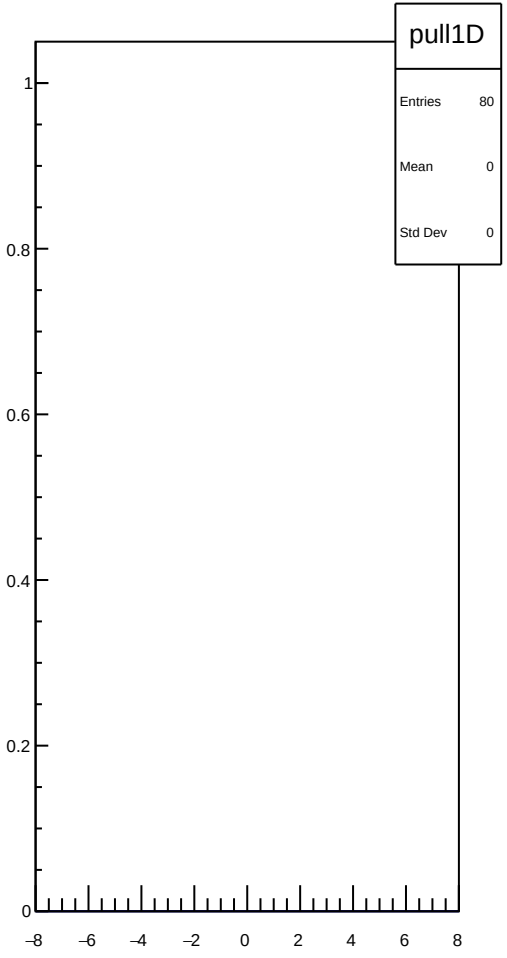

dit_flag_mean vs run
χ^2 / ndf 0 / 79
p0 1 ± 0.1118
2
1.8
1.6
1.4
1.2
1

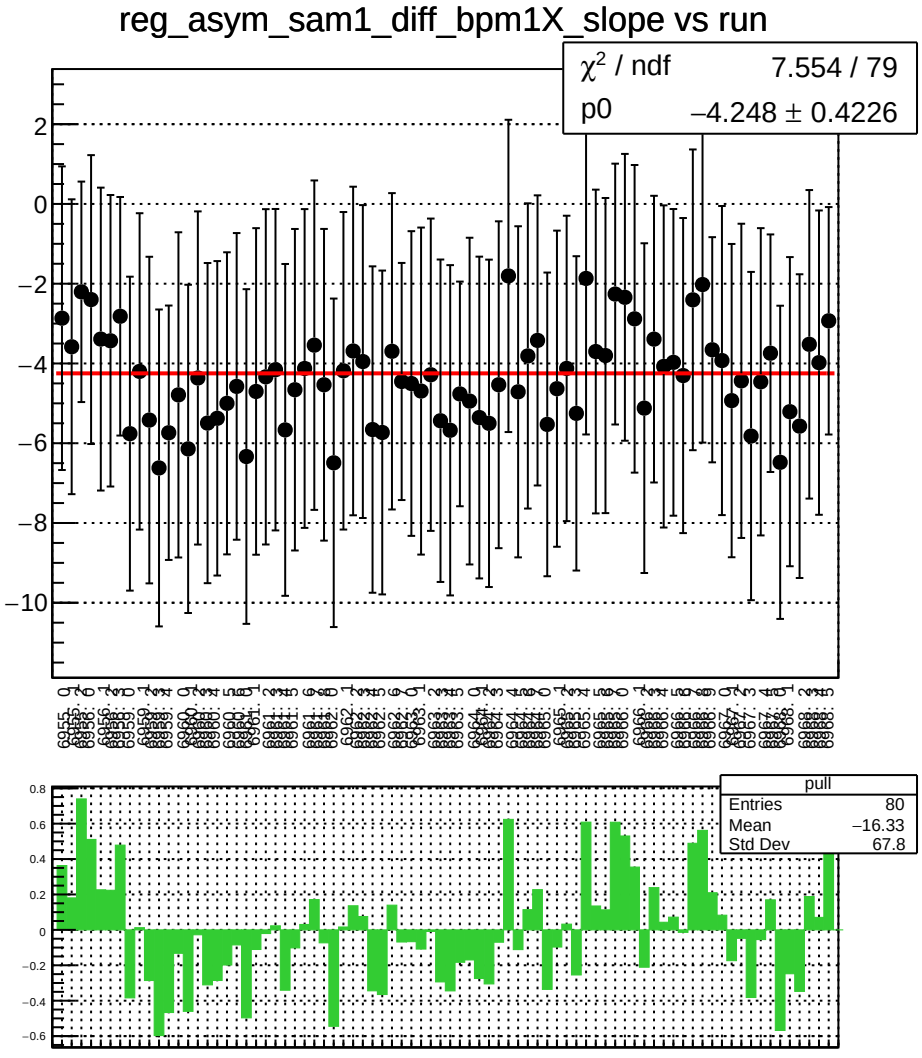

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

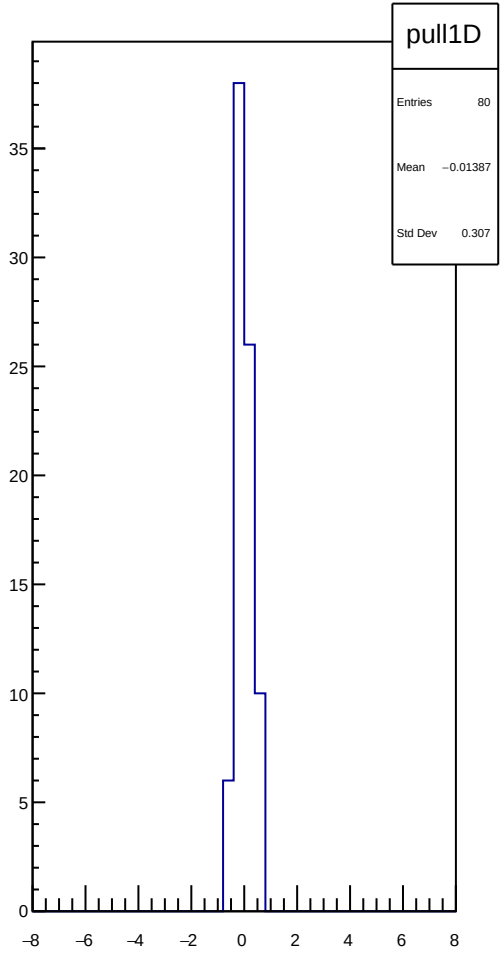
dit_flag_rms vs run

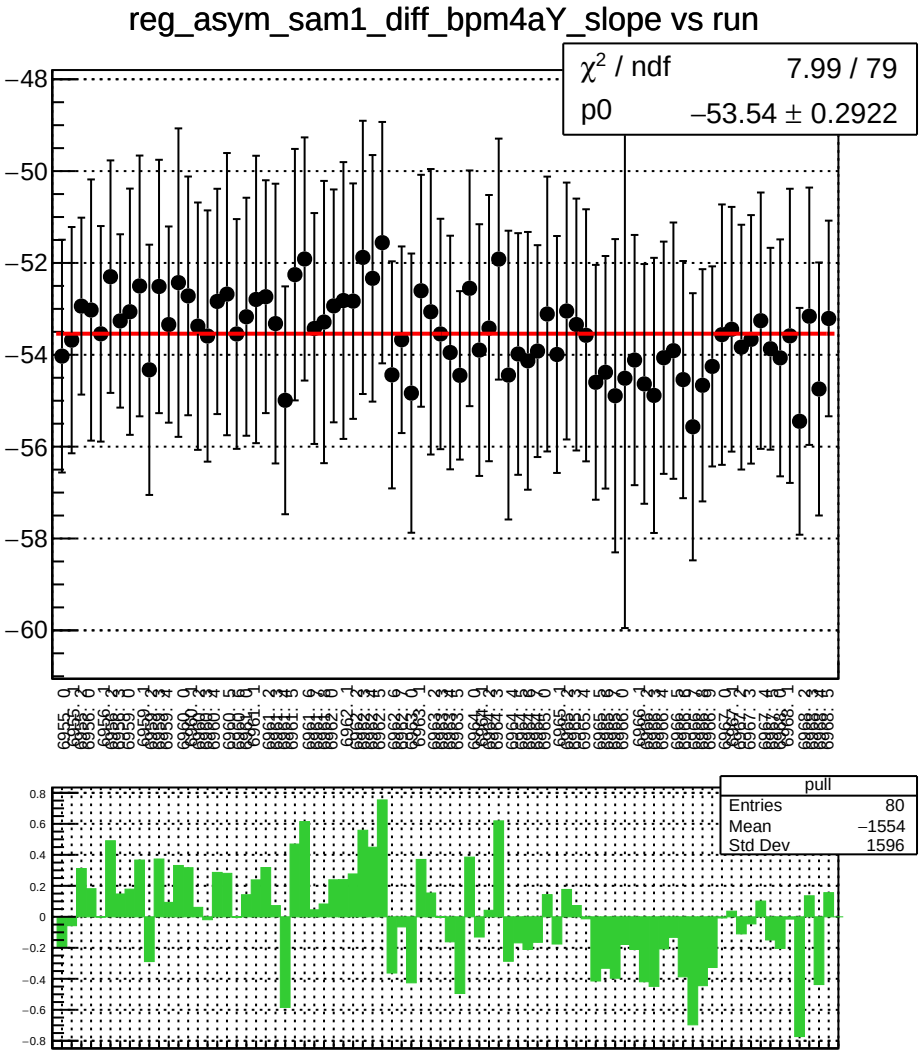


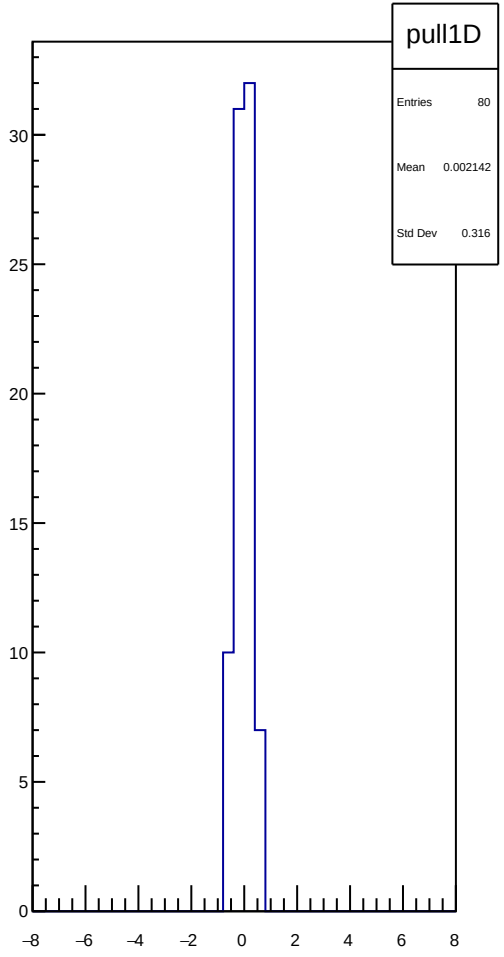

dit_segment_slope vs run
χ^2 / ndf 9.861e−31 / 79
p0 1 ± 1.249e−17
2
1.8
1.6
1.4
1.2
1

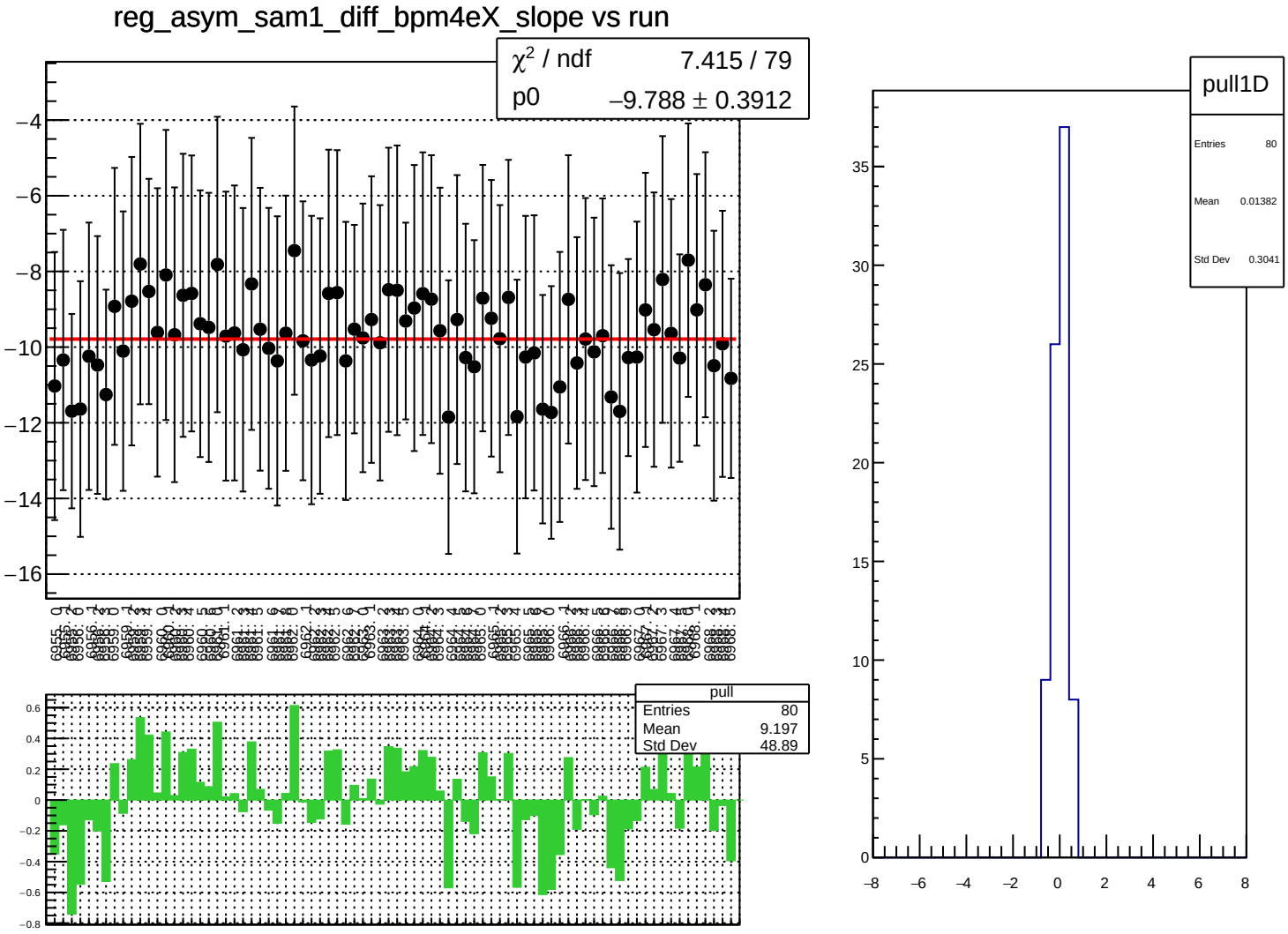

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

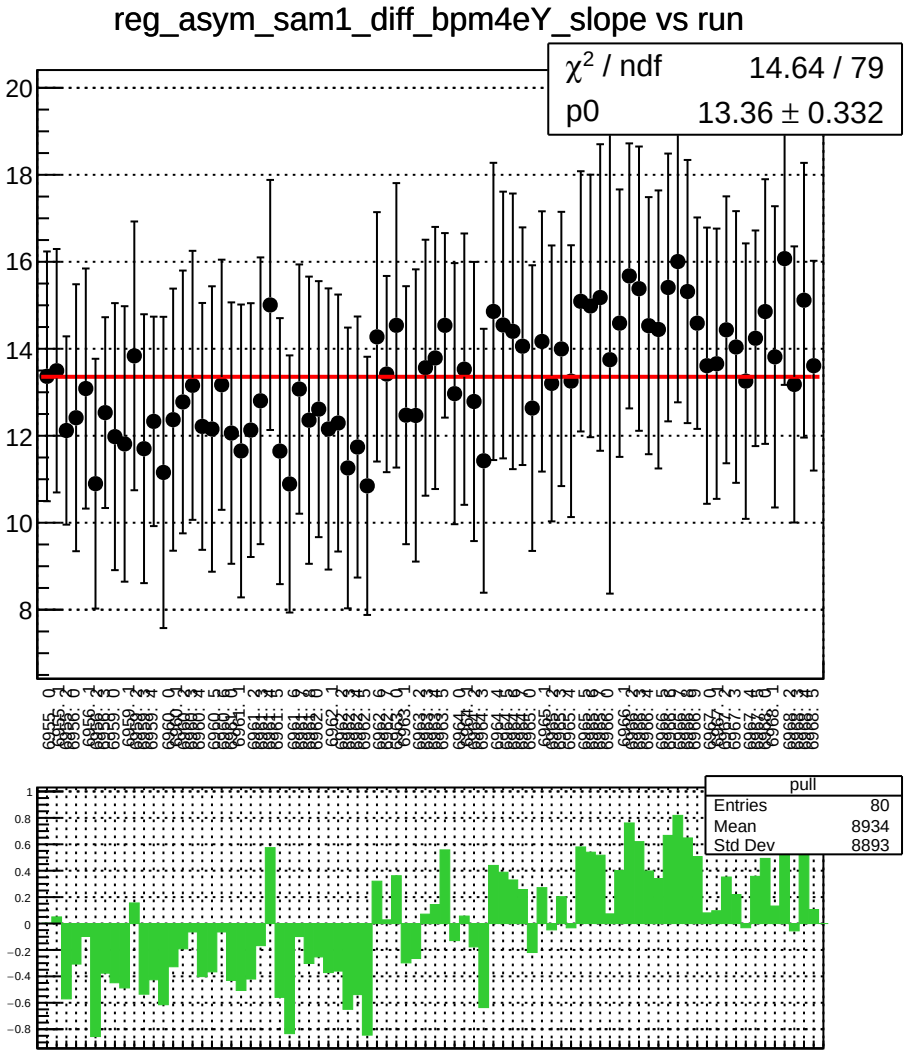

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 7.554 / 79
p0 −4.248 ± 0.4226
pull
Entries 80
Mean −16.33
Std Dev 67.8

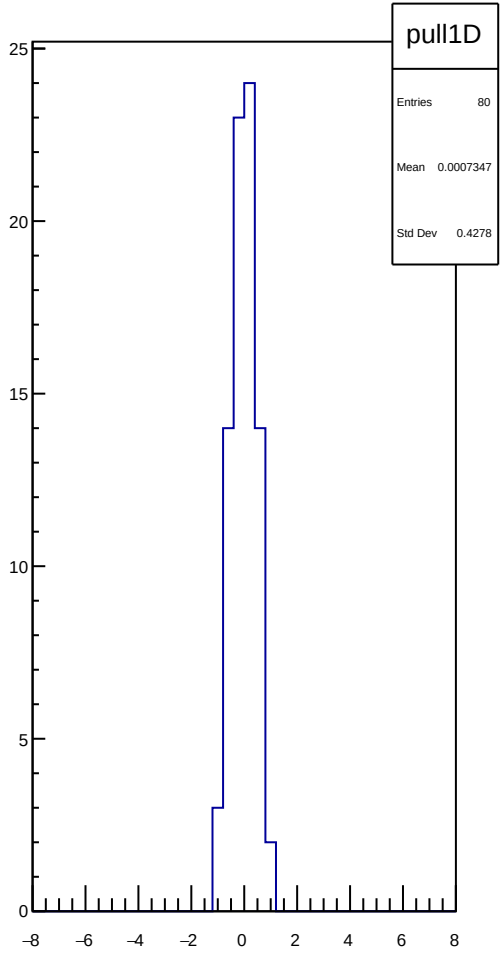

pull1D
Entries 80
Mean −0.01387
Std Dev 0.307

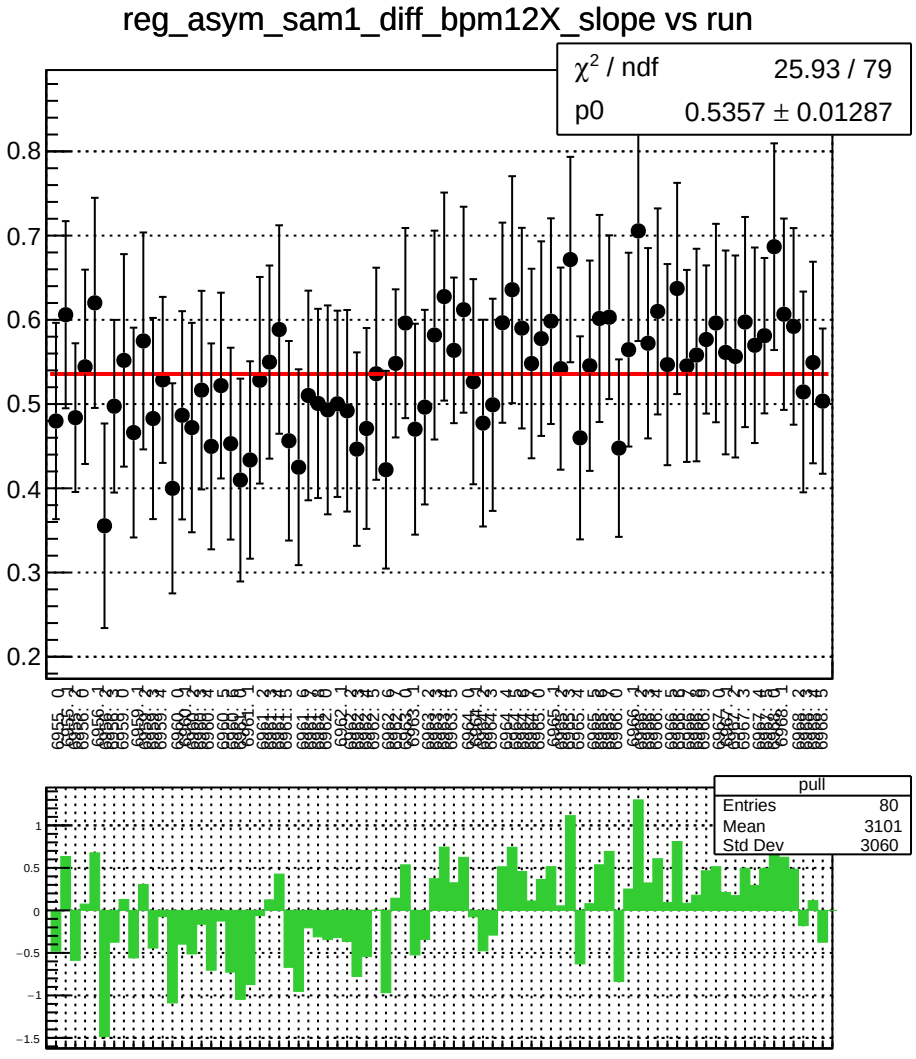

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 7.99 / 79
p0 −53.54 ± 0.2922
pull
Entries 80
Mean −1554
Std Dev 1596

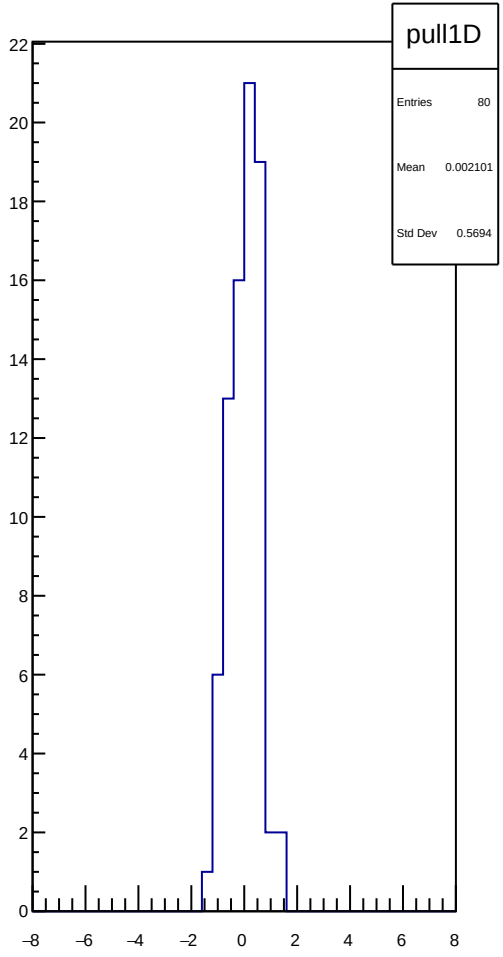

pull1D
Entries 80
Mean 0.002142
Std Dev 0.316

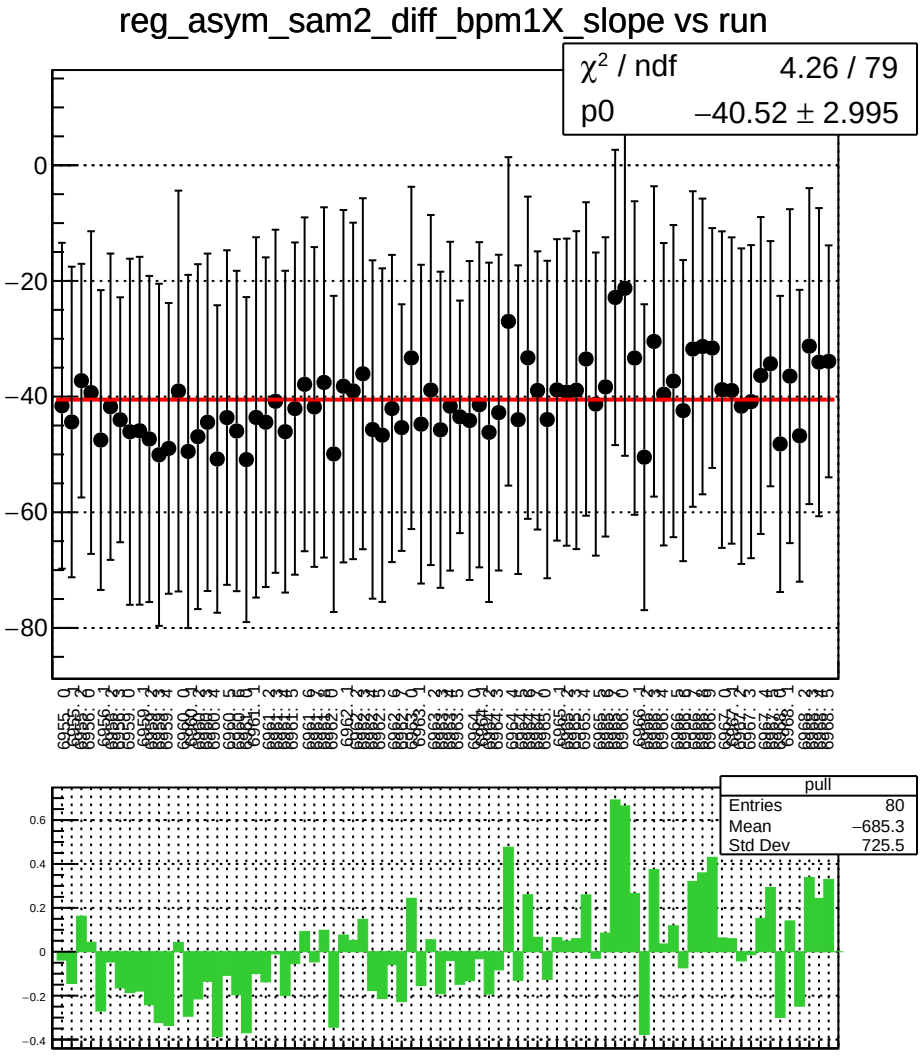

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 7.415 / 79
p0 −9.788 ± 0.3912
pull
Entries 80
Mean 9.197
Std Dev 48.89
pull1D
Entries 80
Mean 0.01382
Std Dev 0.3041

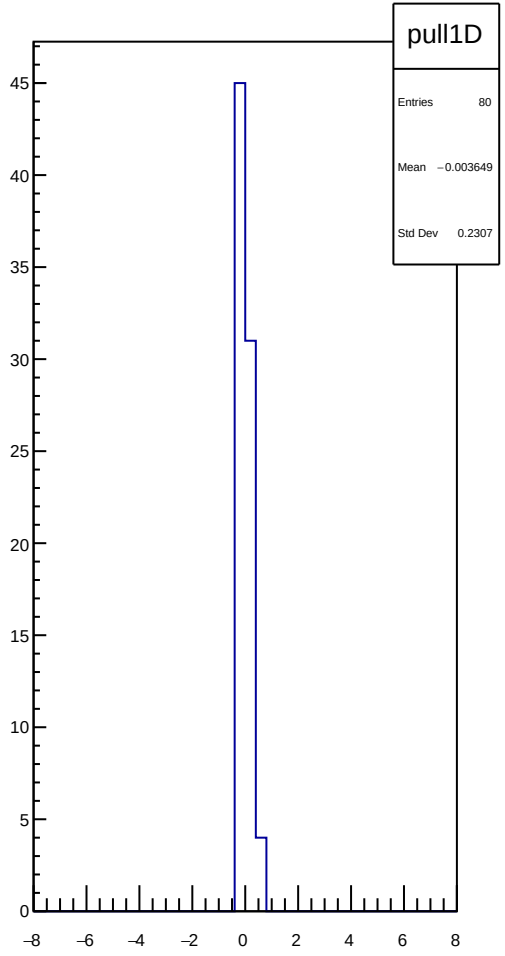

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 14.64 / 79
p0 13.36 ± 0.332
pull
Entries 80
Mean 8934
Std Dev 8893

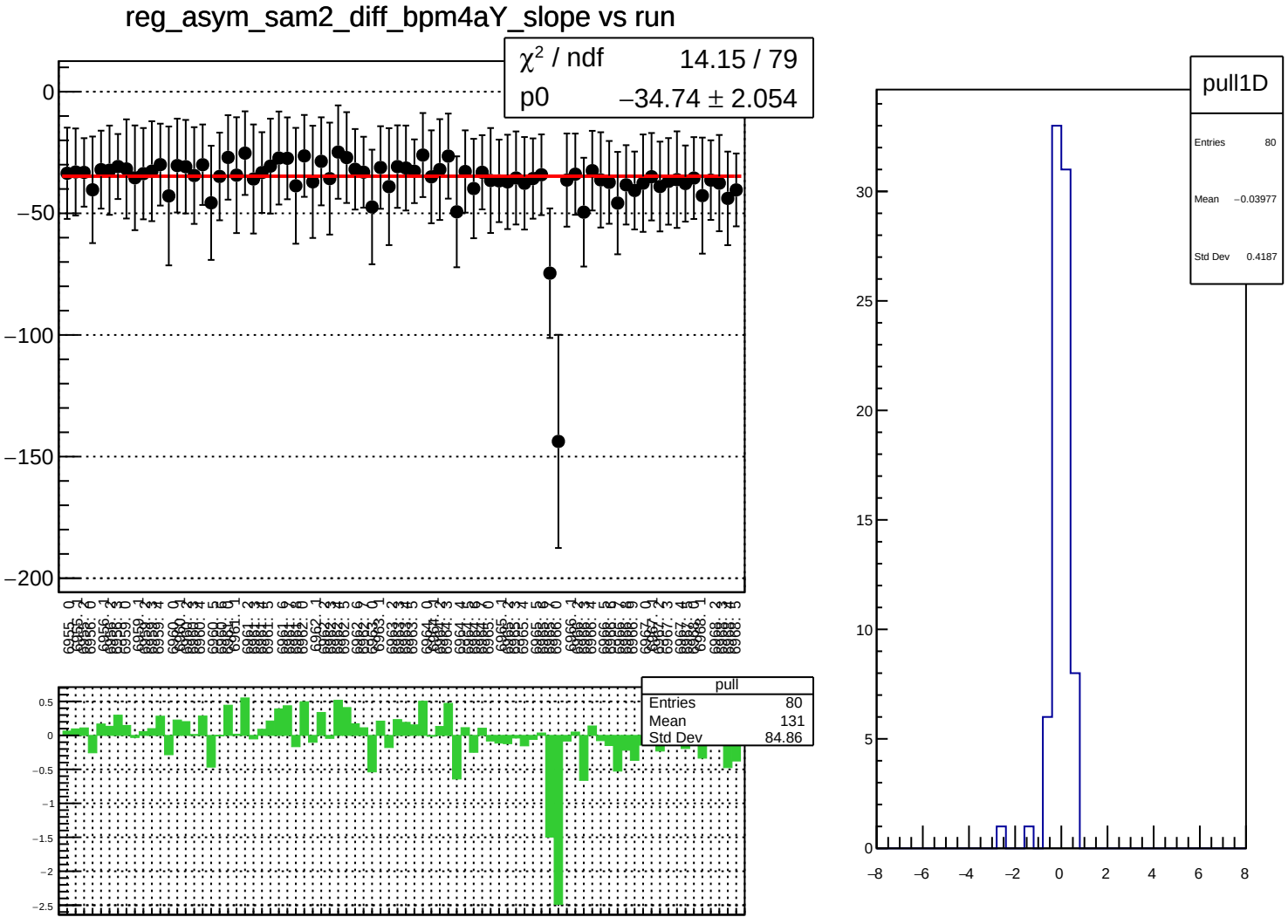

pull1D
Entries 80
Mean 0.0007347
Std Dev 0.4278

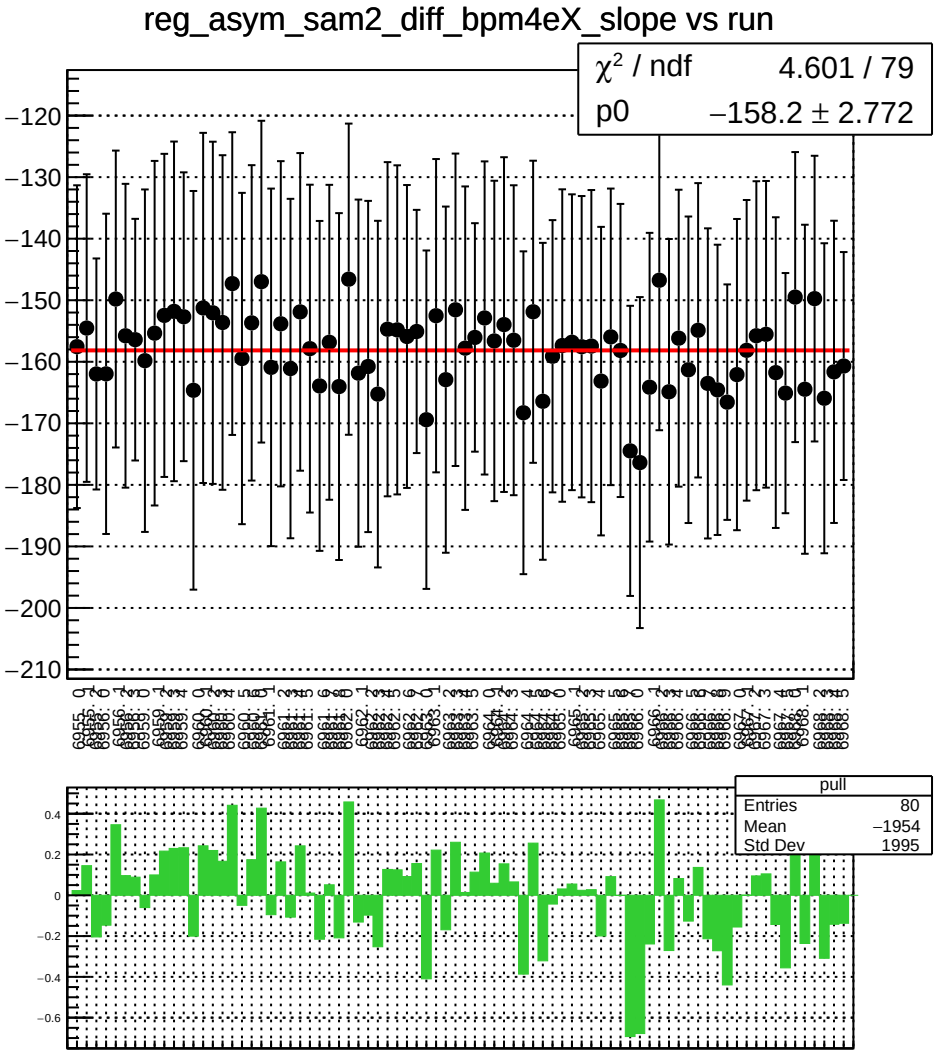

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 25.93 / 79
p0 0.5357 ± 0.01287
pull
Entries 80
Mean 3101
Std Dev 3060

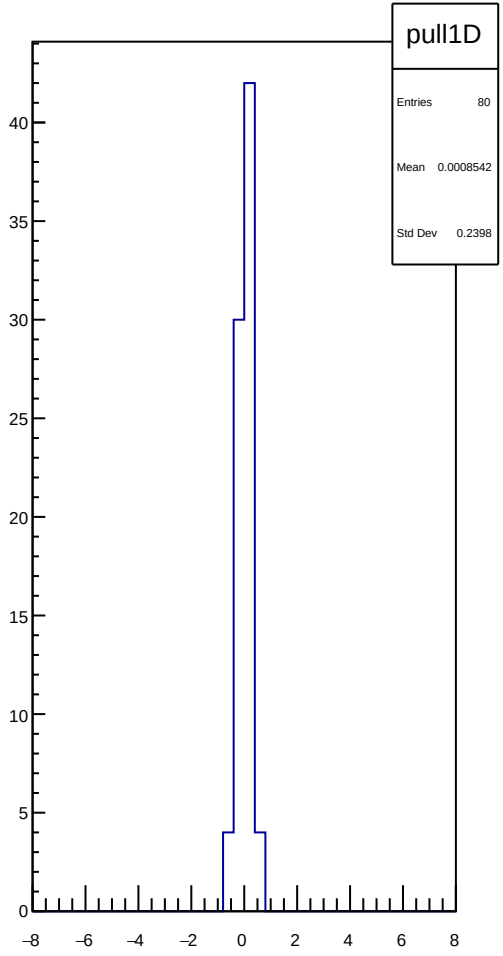

pull1D
Entries 80
Mean 0.002101
Std Dev 0.5694

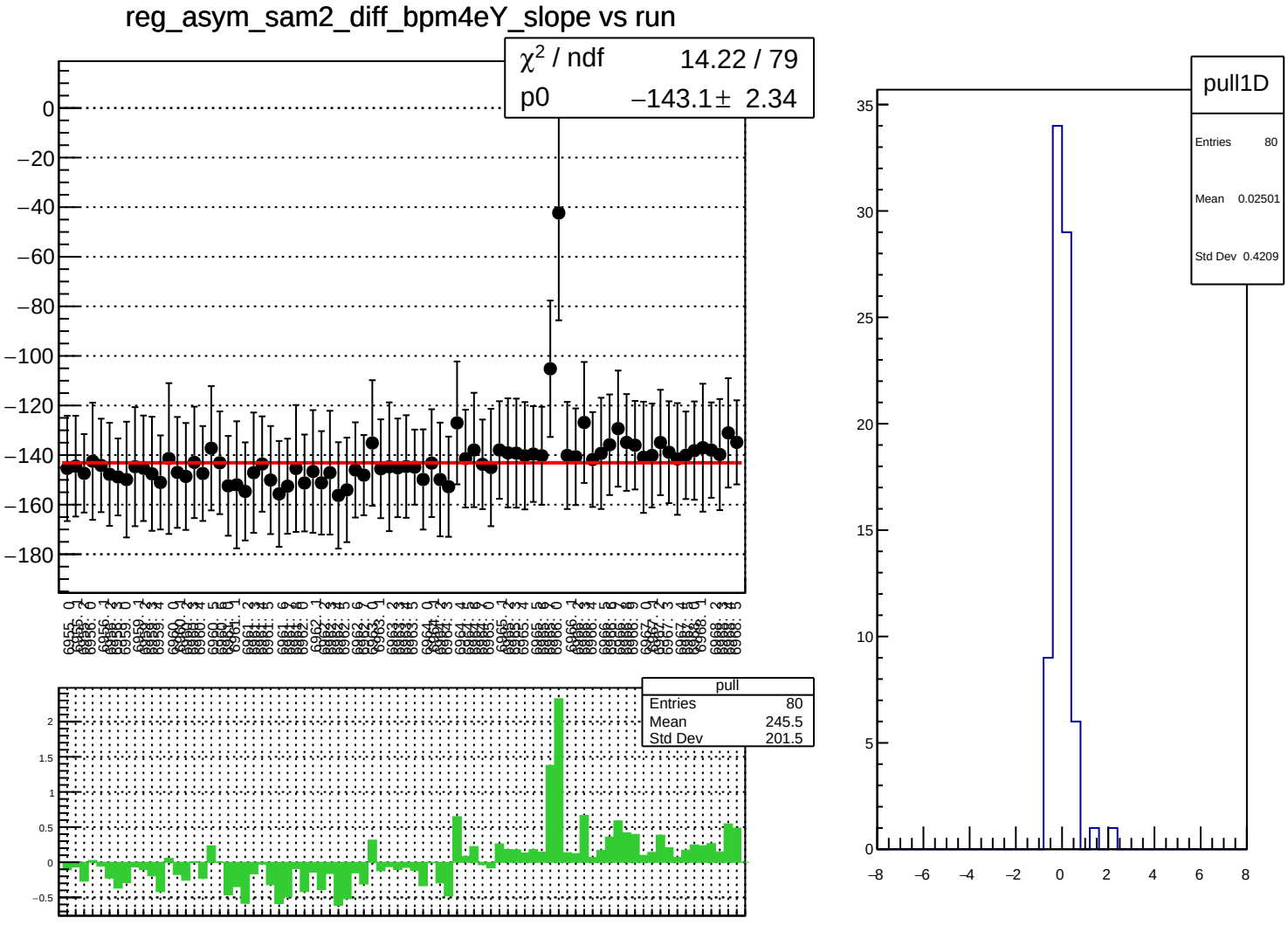

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 4.26 / 79
p0 −40.52 ± 2.995
pull
Entries 80
Mean −685.3
Std Dev 725.5

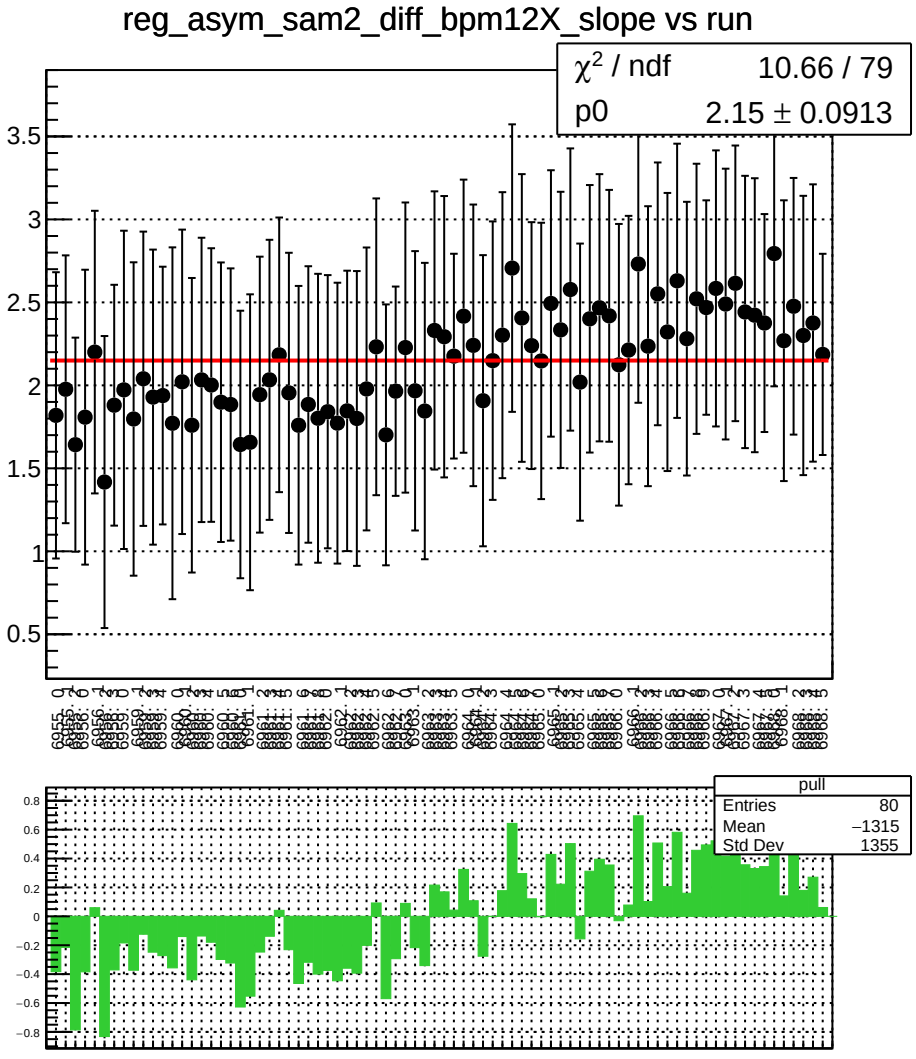

pull1D
Entries 80
Mean −0.003649
Std Dev 0.2307

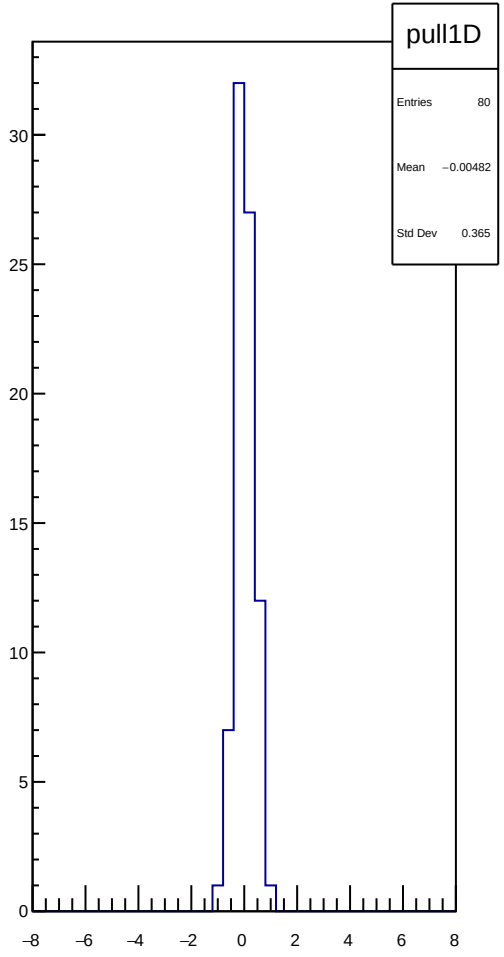

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.15 / 79
p0 −34.74 ± 2.054
pull
Entries 80
Mean 131
Std Dev 84.86
pull1D
Entries 80
Mean −0.03977
Std Dev 0.4187

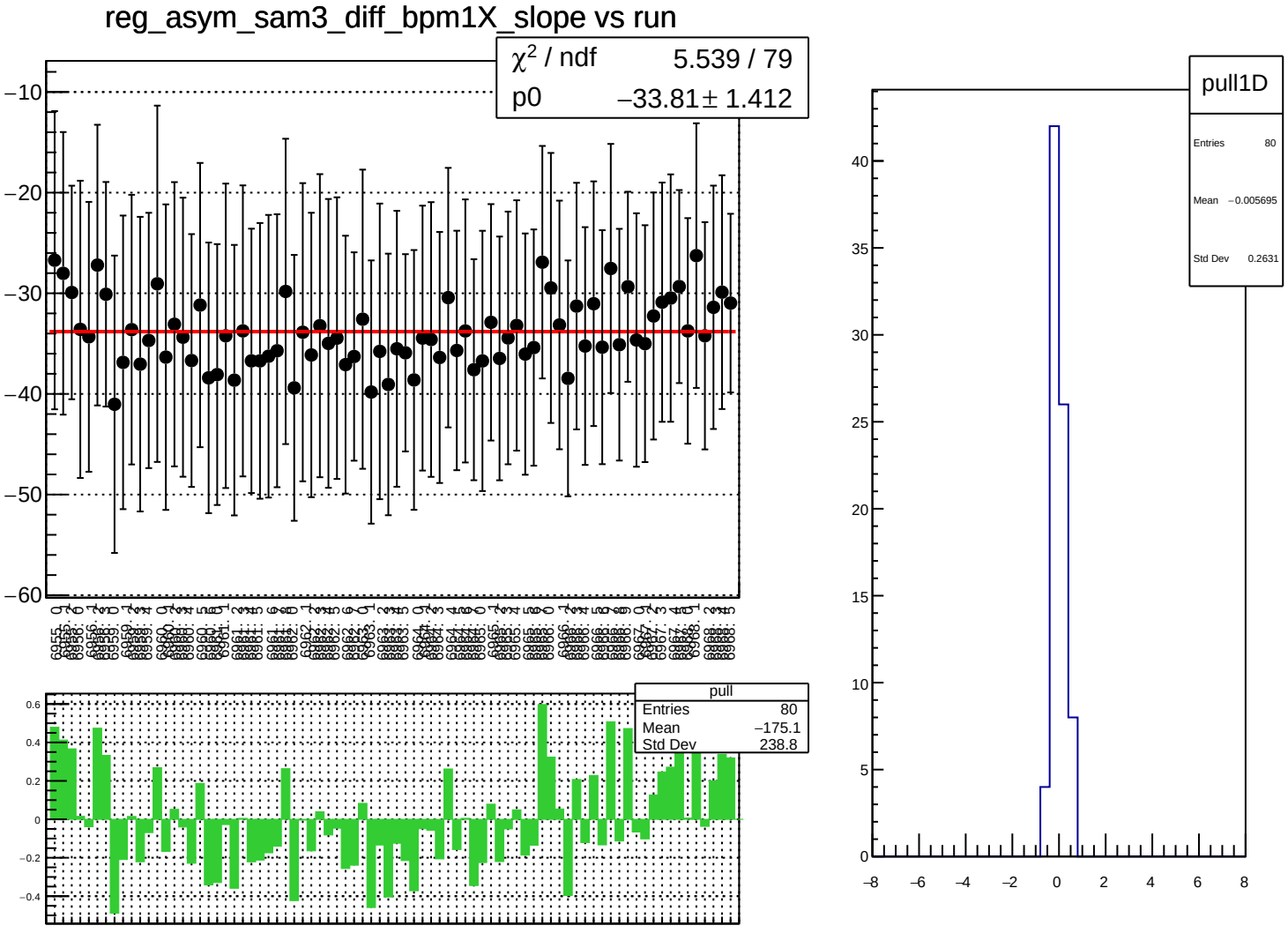

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.601 / 79
p0 −158.2 ± 2.772
pull
Entries 80
Mean −1954
Std Dev 1995

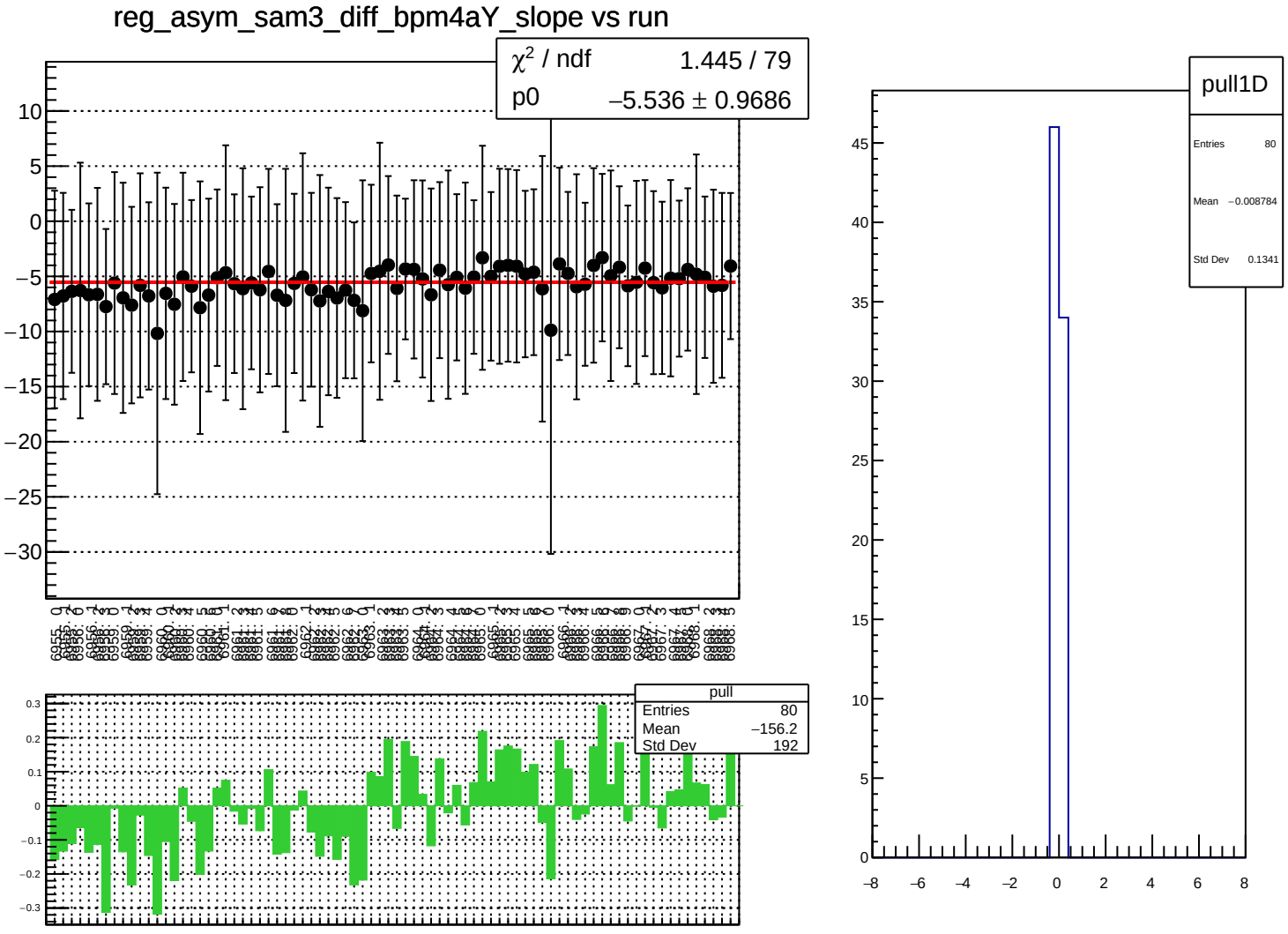

pull1D
Entries 80
Mean 0.0008542
Std Dev 0.2398

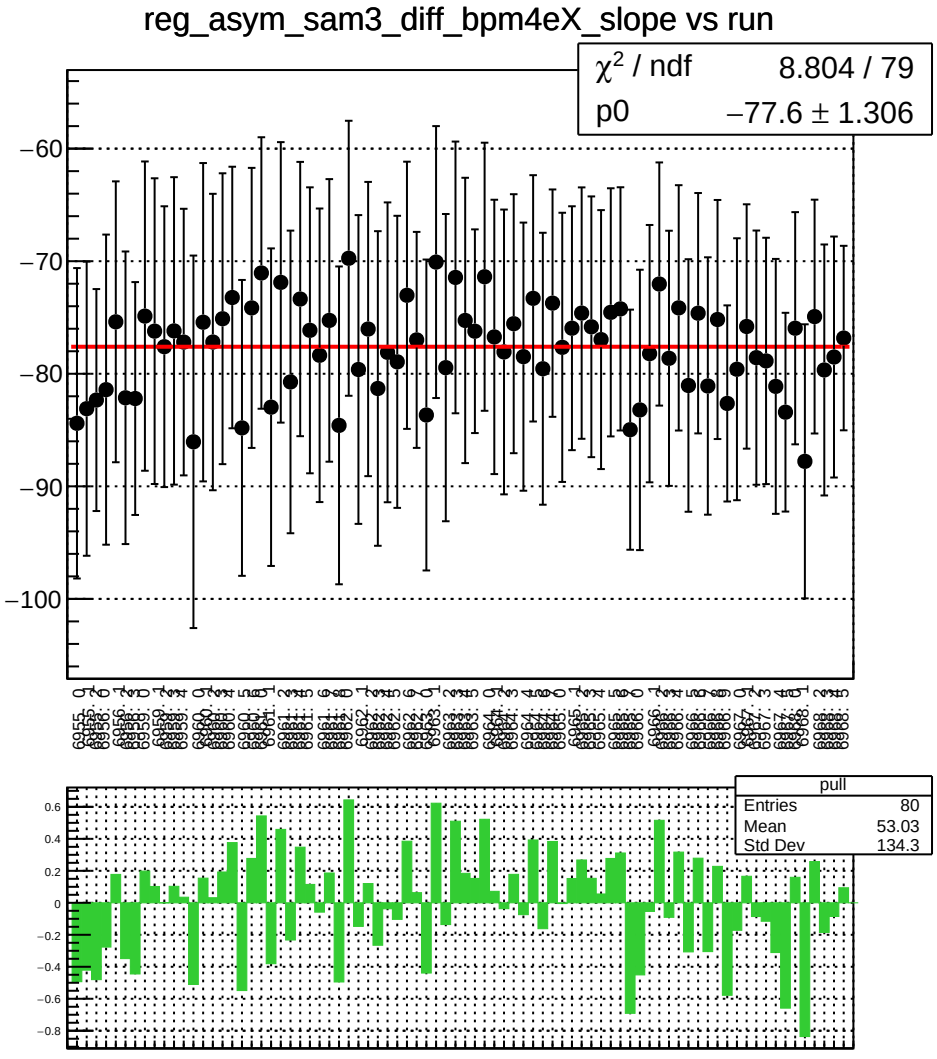

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 14.22 / 79
p0 −143.1 ± 2.34
pull
Entries 80
Mean 245.5
Std Dev 201.5
pull1D
Entries 80
Mean 0.02501
Std Dev 0.4209

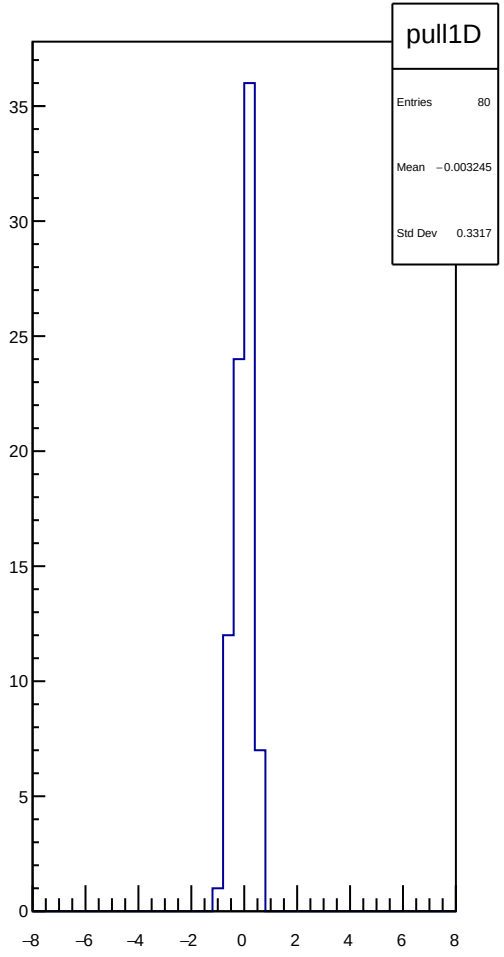

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 10.66 / 79
p0 2.15 ± 0.0913
pull
Entries 80
Mean −1315
Std Dev 1355

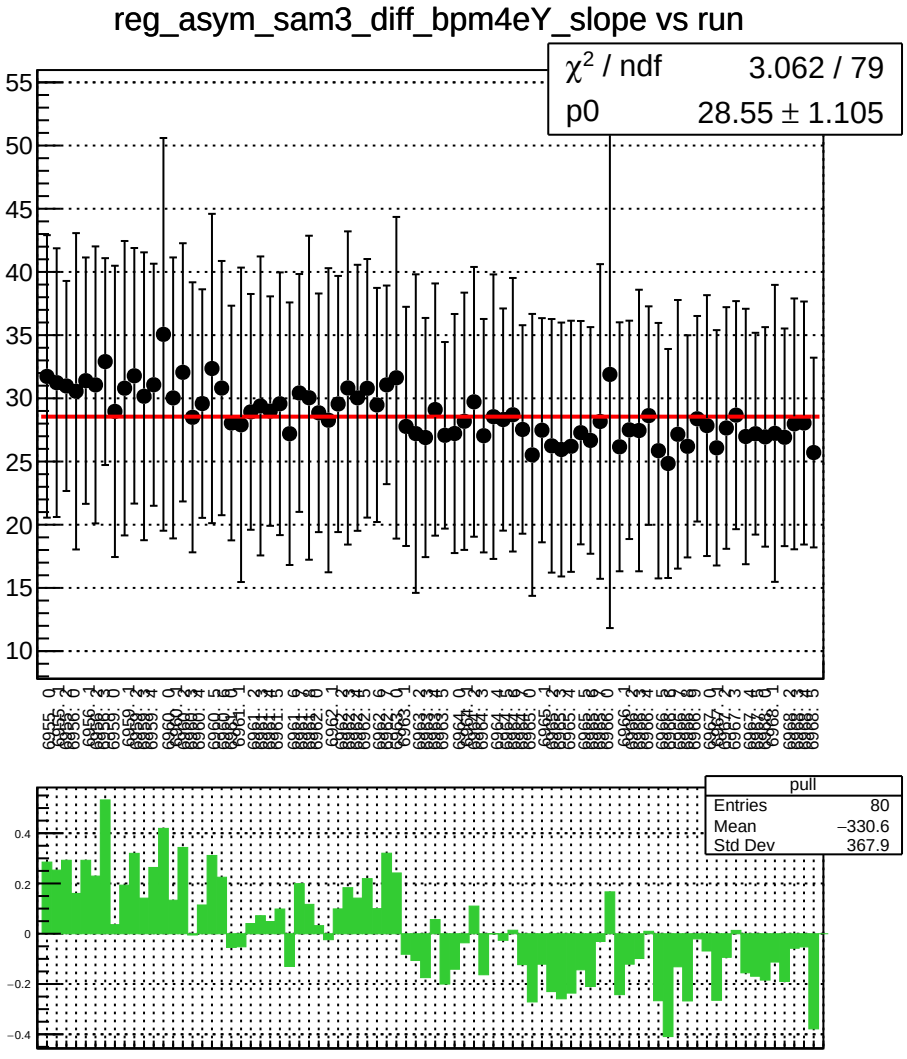

pull1D
Entries 80
Mean −0.00482
Std Dev 0.365

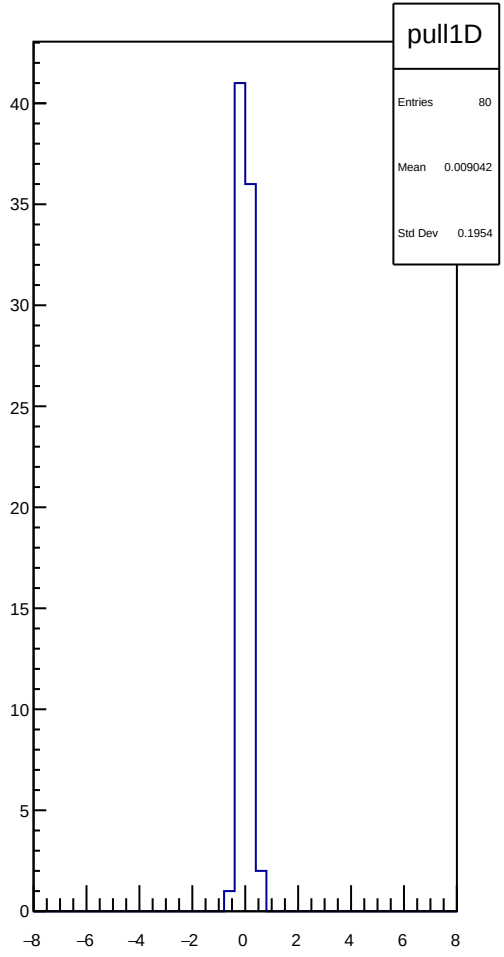

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 5.539 / 79
p0 −33.81 ± 1.412
pull
Entries 80
Mean −175.1
Std Dev 238.8
pull1D
Entries 80
Mean −0.005695
Std Dev 0.2631

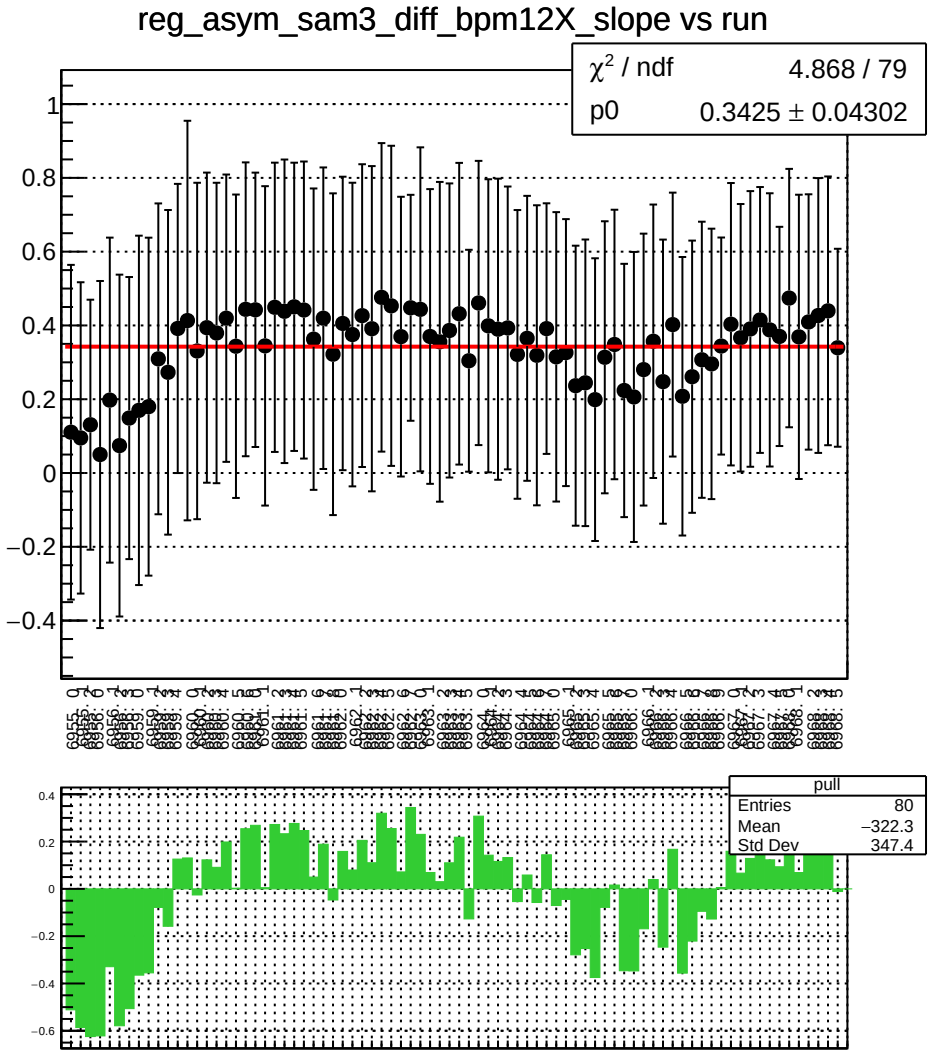

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 1.445 / 79
p0 −5.536 ± 0.9686
pull
Entries 80
Mean −156.2
Std Dev 192
pull1D
Entries 80
Mean −0.008784
Std Dev 0.1341

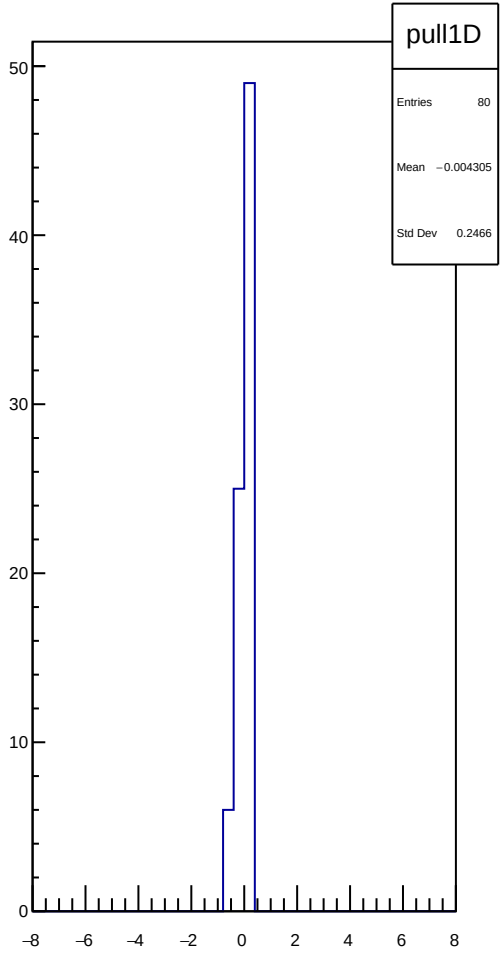

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 8.804 / 79
p0 −77.6 ± 1.306
pull
Entries 80
Mean 53.03
Std Dev 134.3

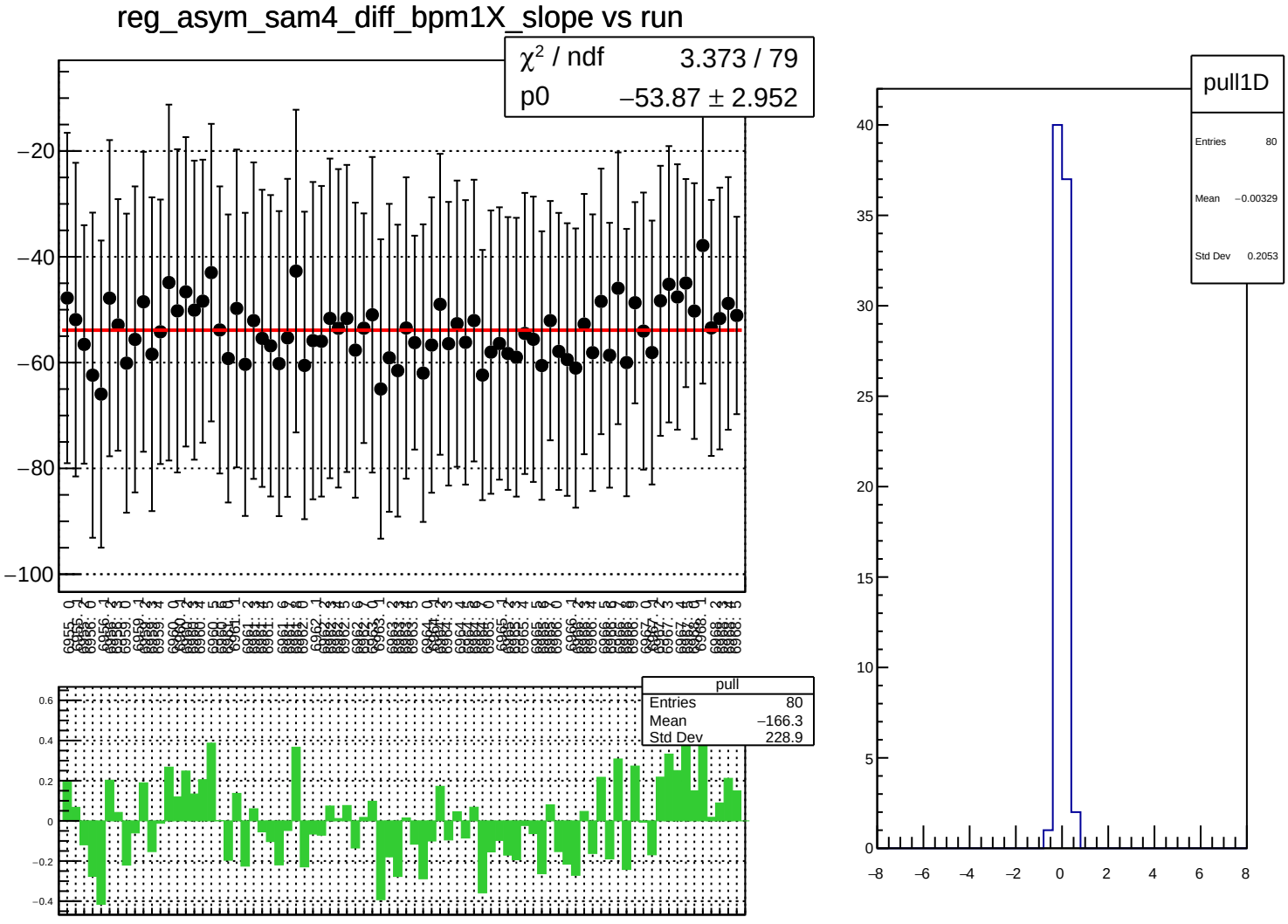

pull1D
Entries 80
Mean −0.003245
Std Dev 0.3317

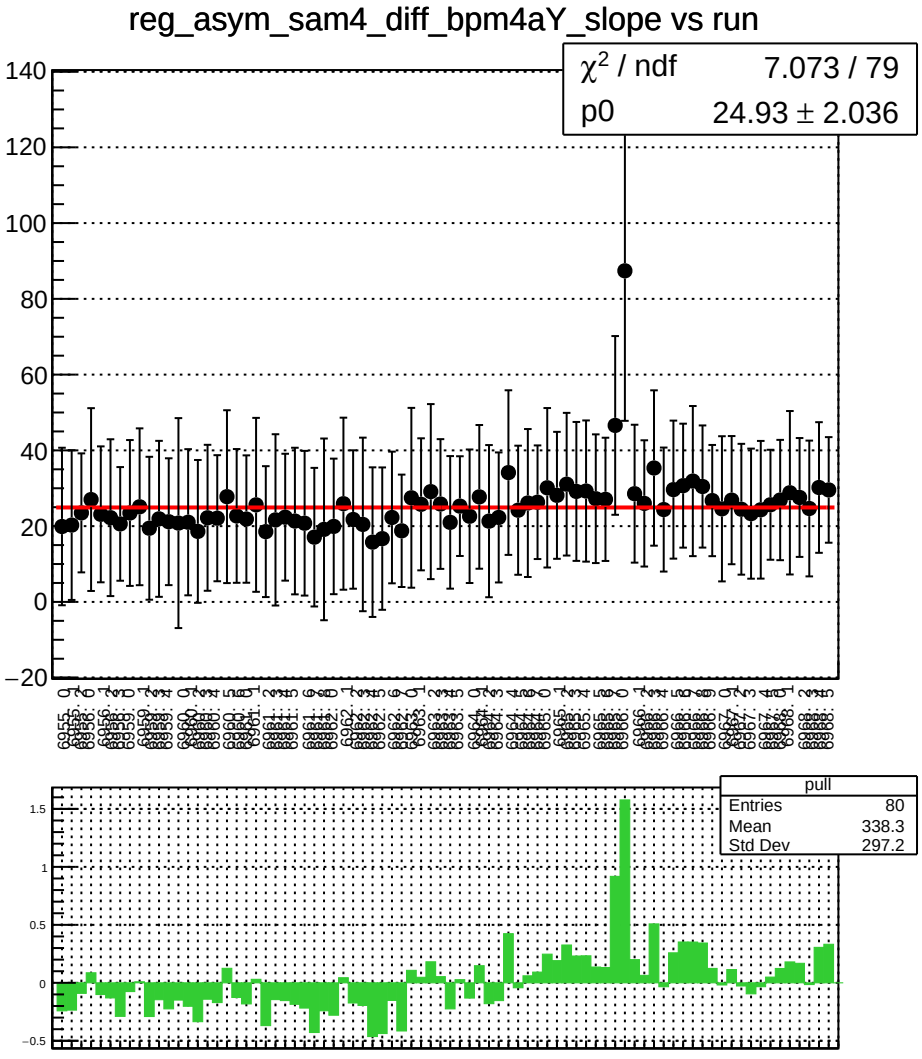

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 3.062 / 79
p0 28.55 ± 1.105
pull
Entries 80
Mean −330.6
Std Dev 367.9

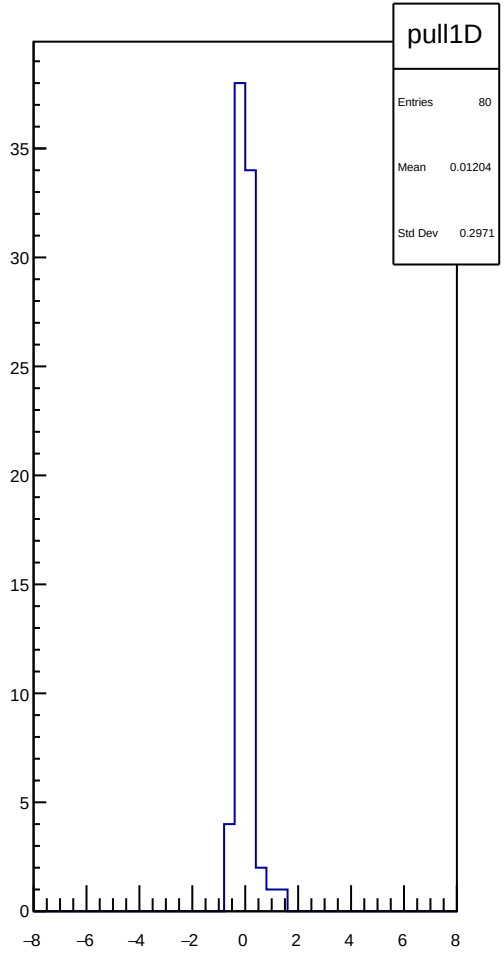

pull1D
Entries 80
Mean 0.009042
Std Dev 0.1954

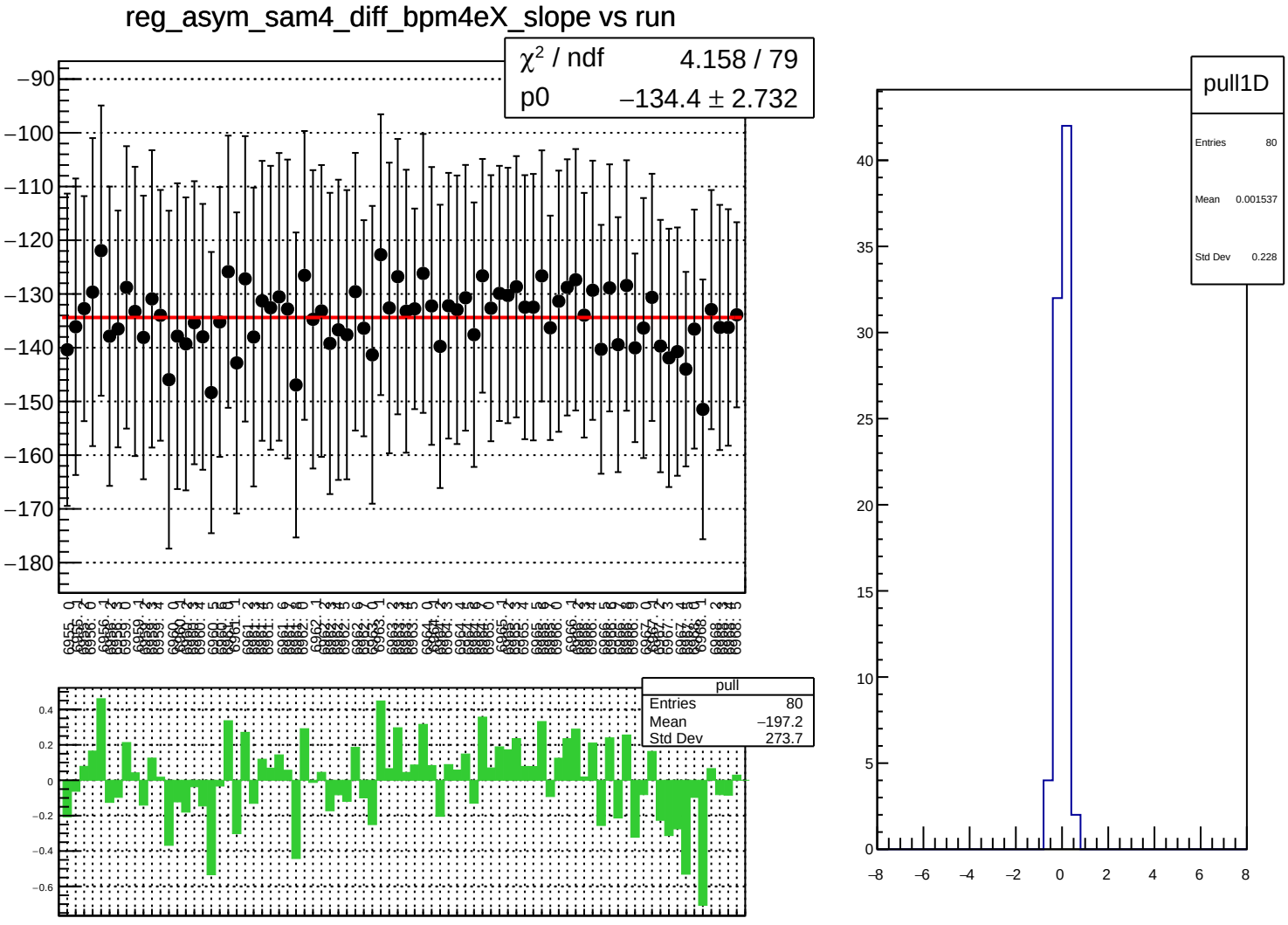

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 4.868 / 79
p0 0.3425 ± 0.04302
pull
Entries 80
Mean −322.3
Std Dev 347.4

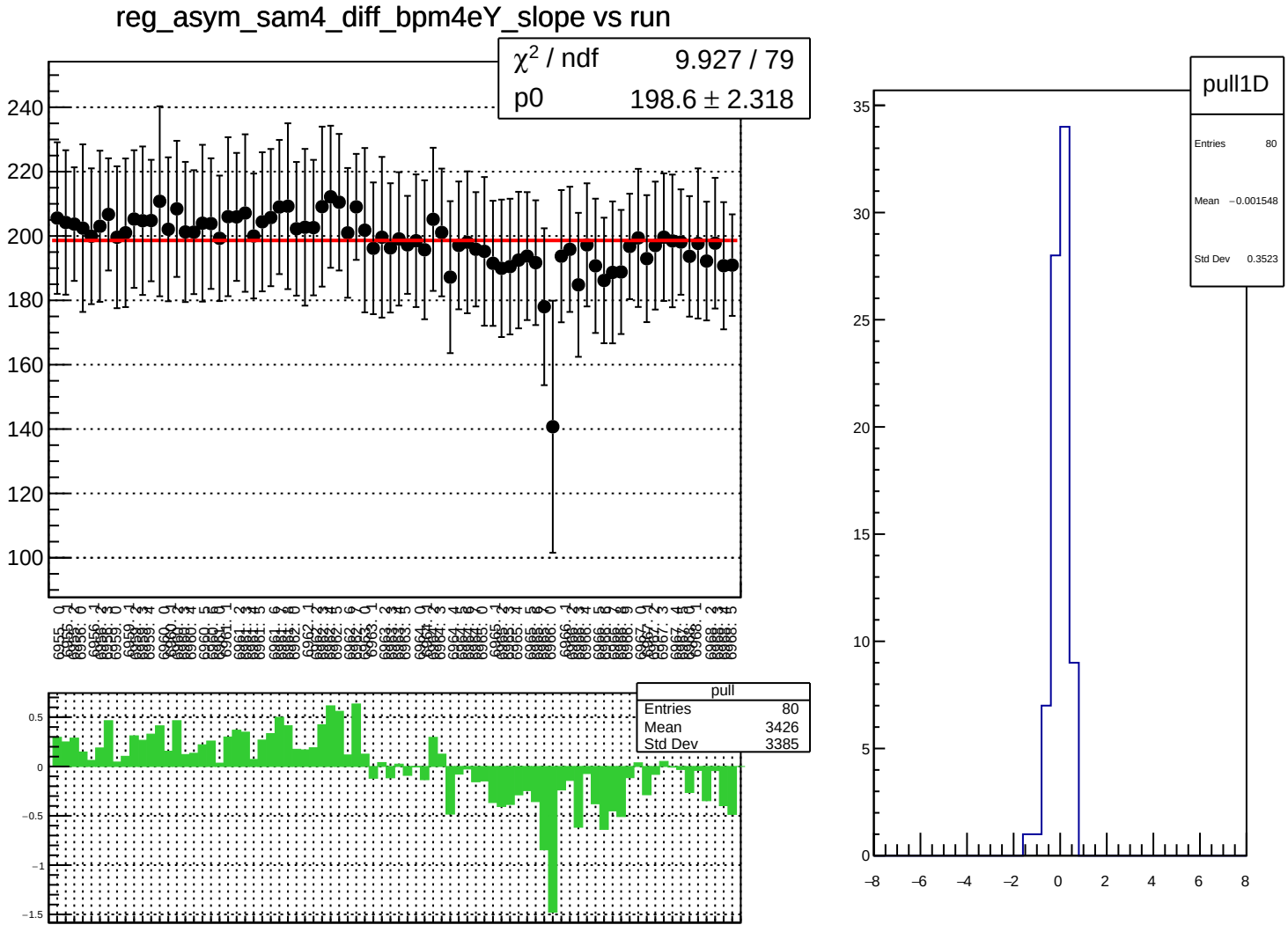

pull1D
Entries 80
Mean −0.004305
Std Dev 0.2466

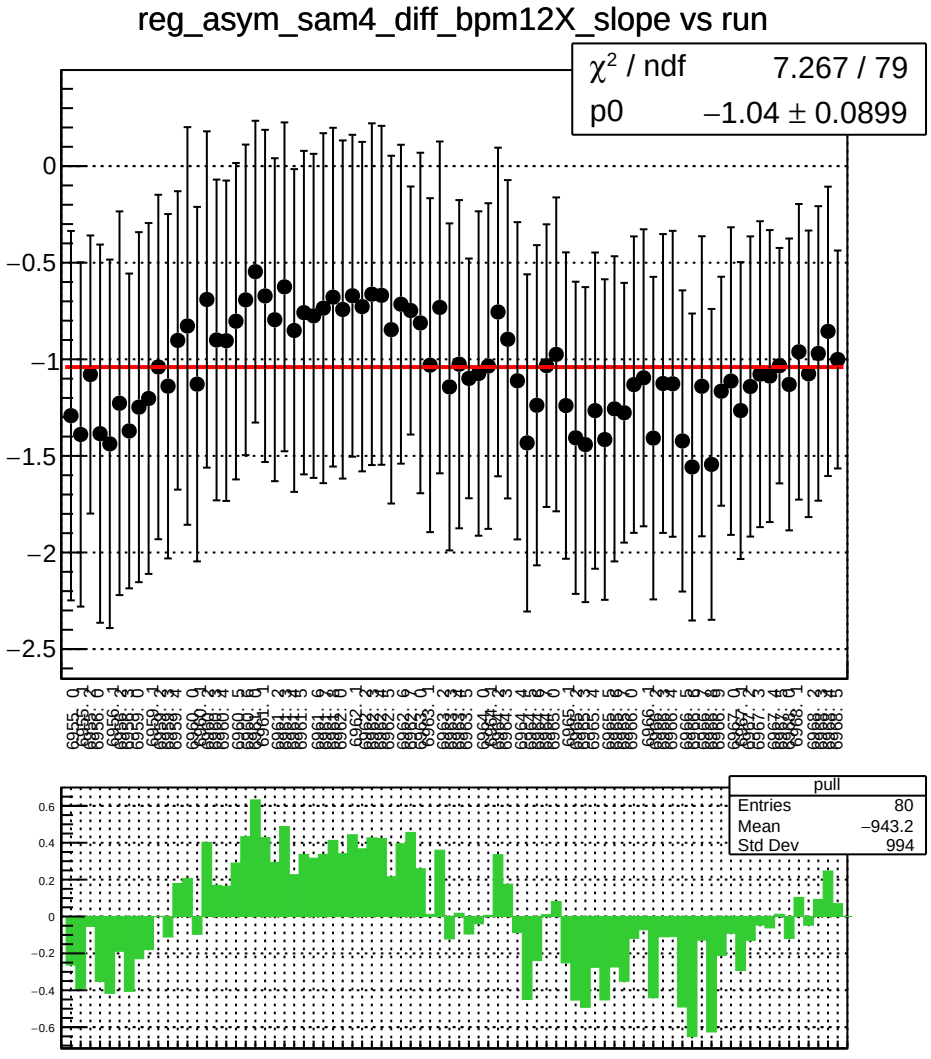

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 3.373 / 79
p0 −53.87 ± 2.952
pull
Entries 80
Mean −166.3
Std Dev 228.9
pull1D
Entries 80
Mean −0.00329
Std Dev 0.2053

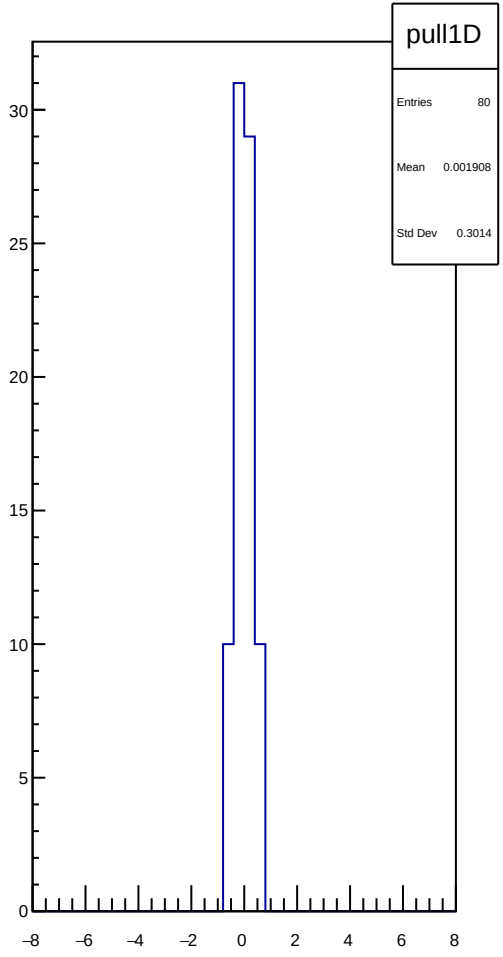

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 7.073 / 79
p0 24.93 ± 2.036
pull
Entries 80
Mean 338.3
Std Dev 297.2

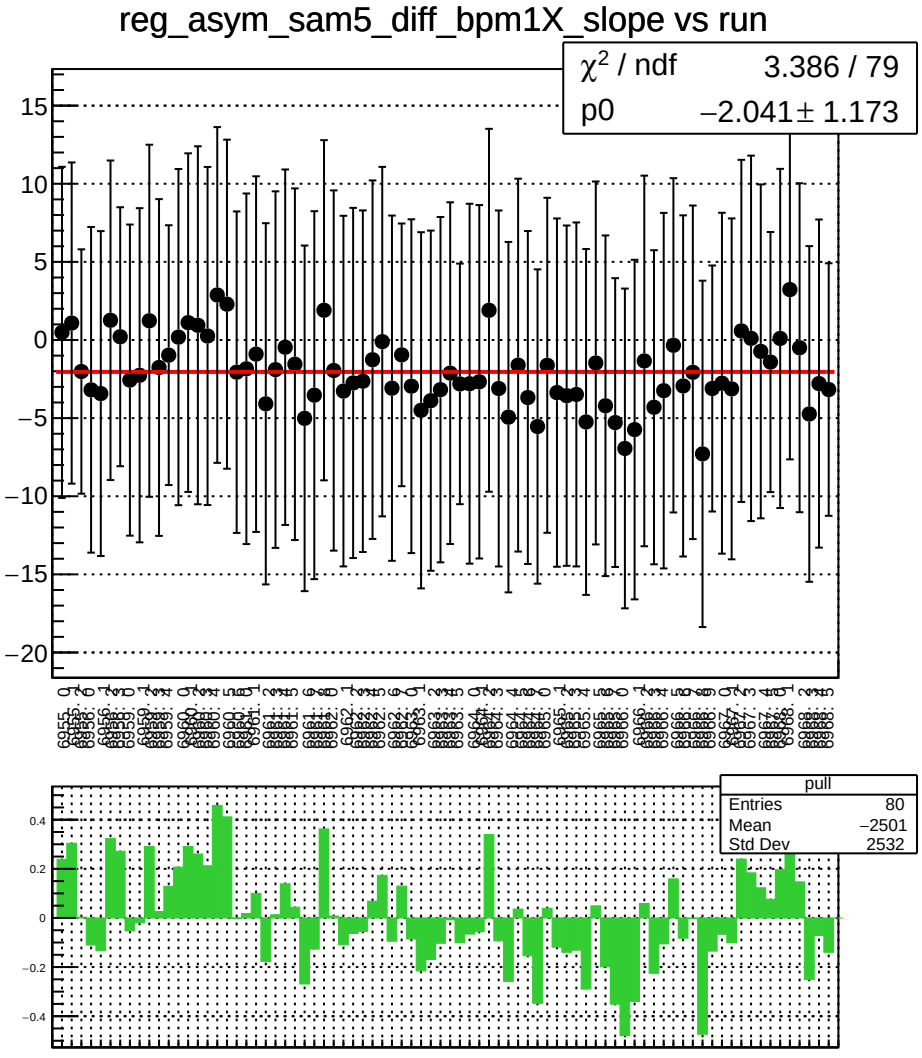

pull1D
Entries 80
Mean 0.01204
Std Dev 0.2971

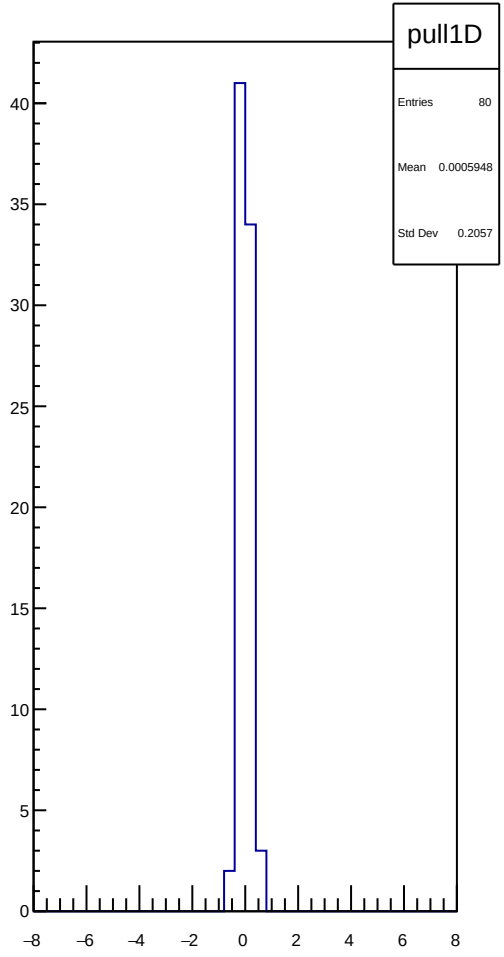

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 4.158 / 79
p0 −134.4 ± 2.732
pull
Entries 80
Mean −197.2
Std Dev 273.7
pull1D
Entries 80
Mean 0.001537
Std Dev 0.228

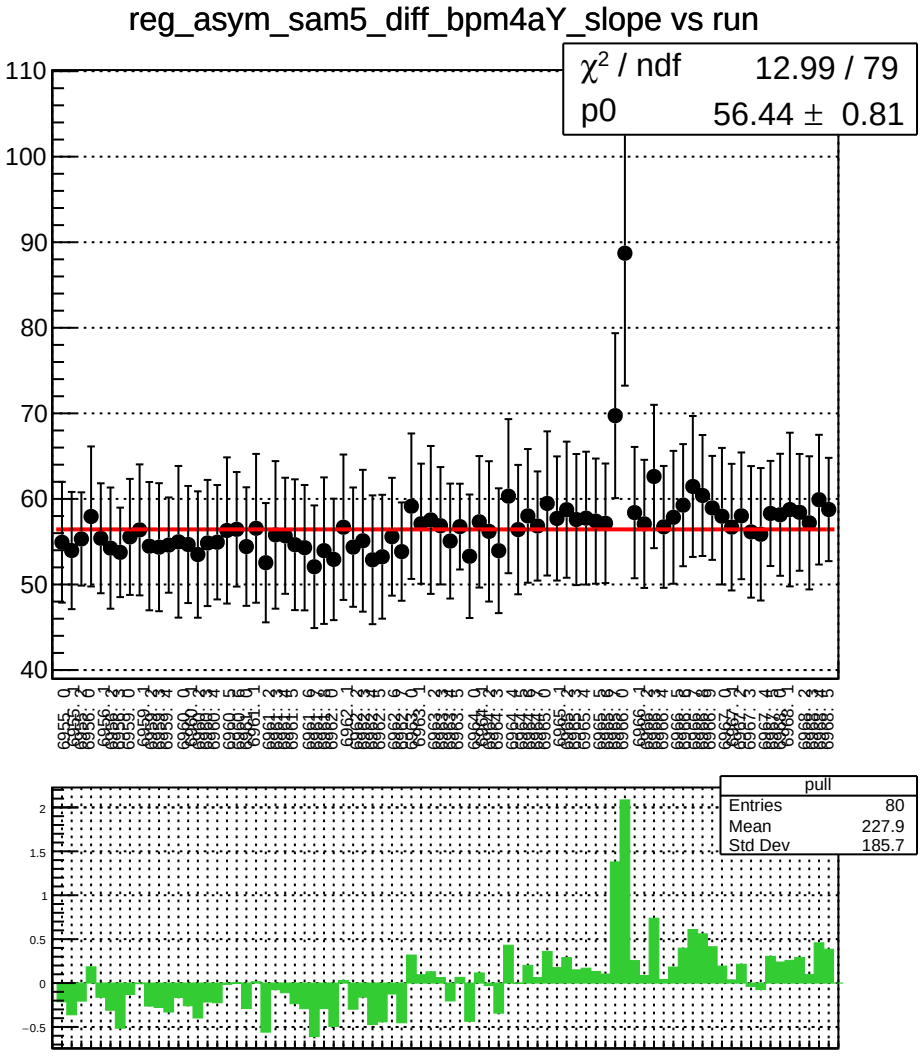

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 9.927 / 79
p0 198.6 ± 2.318
pull
Entries 80
Mean 3426
Std Dev 3385
pull1D
Entries 80
Mean −0.001548
Std Dev 0.3523

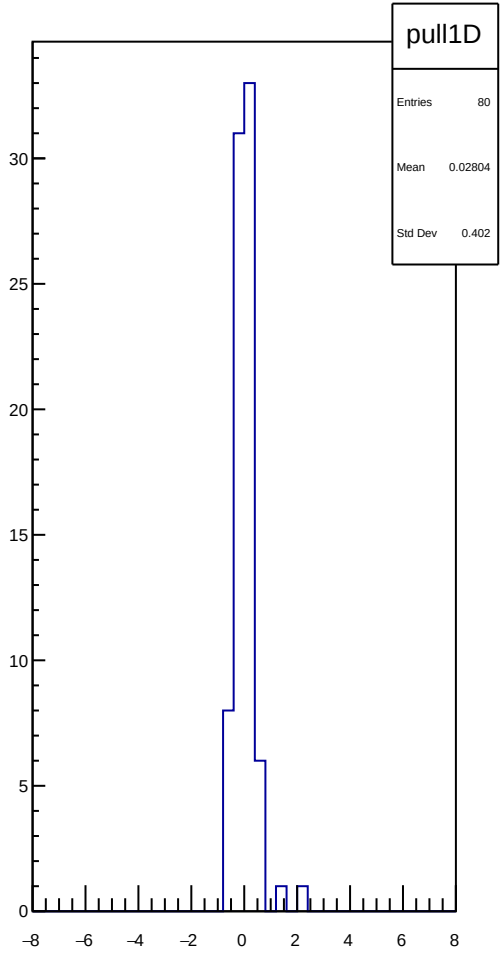

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 7.267 / 79
p0 −1.04 ± 0.0899
pull
Entries 80
Mean −943.2
Std Dev 994

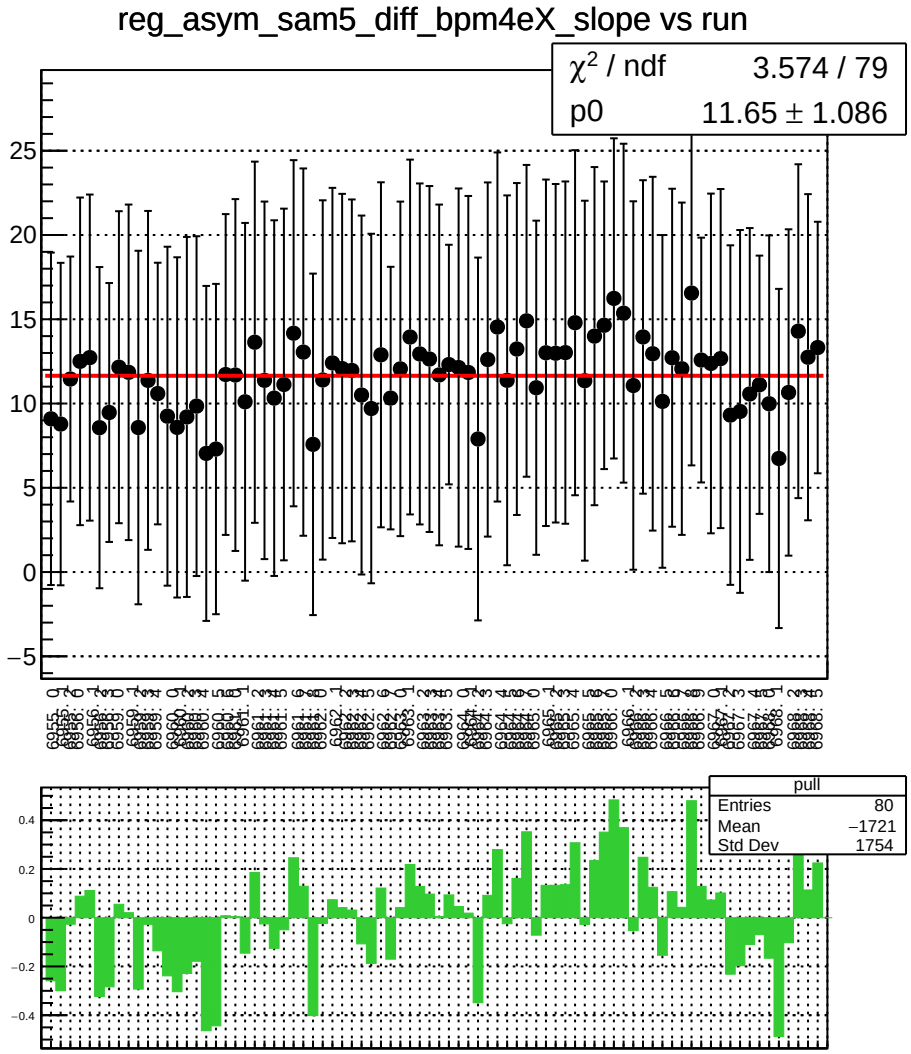

pull1D
Entries 80
Mean 0.001908
Std Dev 0.3014

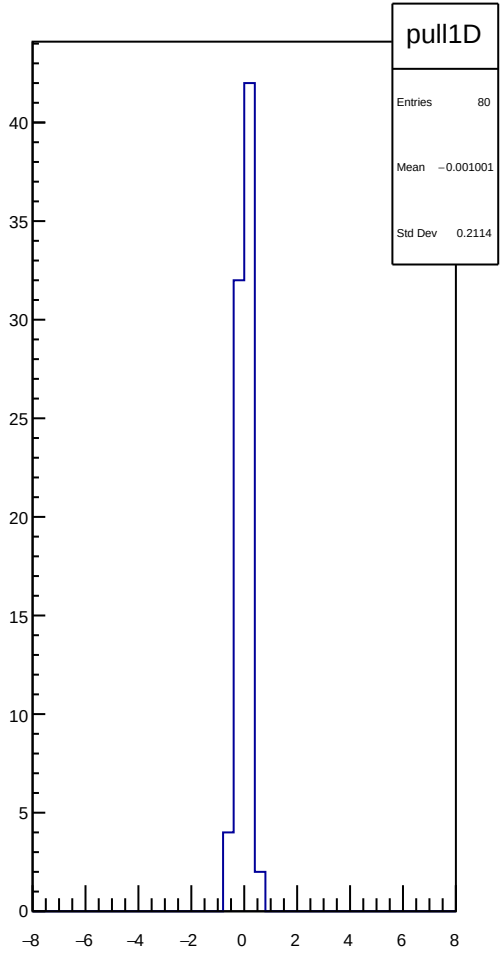

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 3.386 / 79
p0 −2.041 ± 1.173
pull
Entries 80
Mean −2501
Std Dev 2532

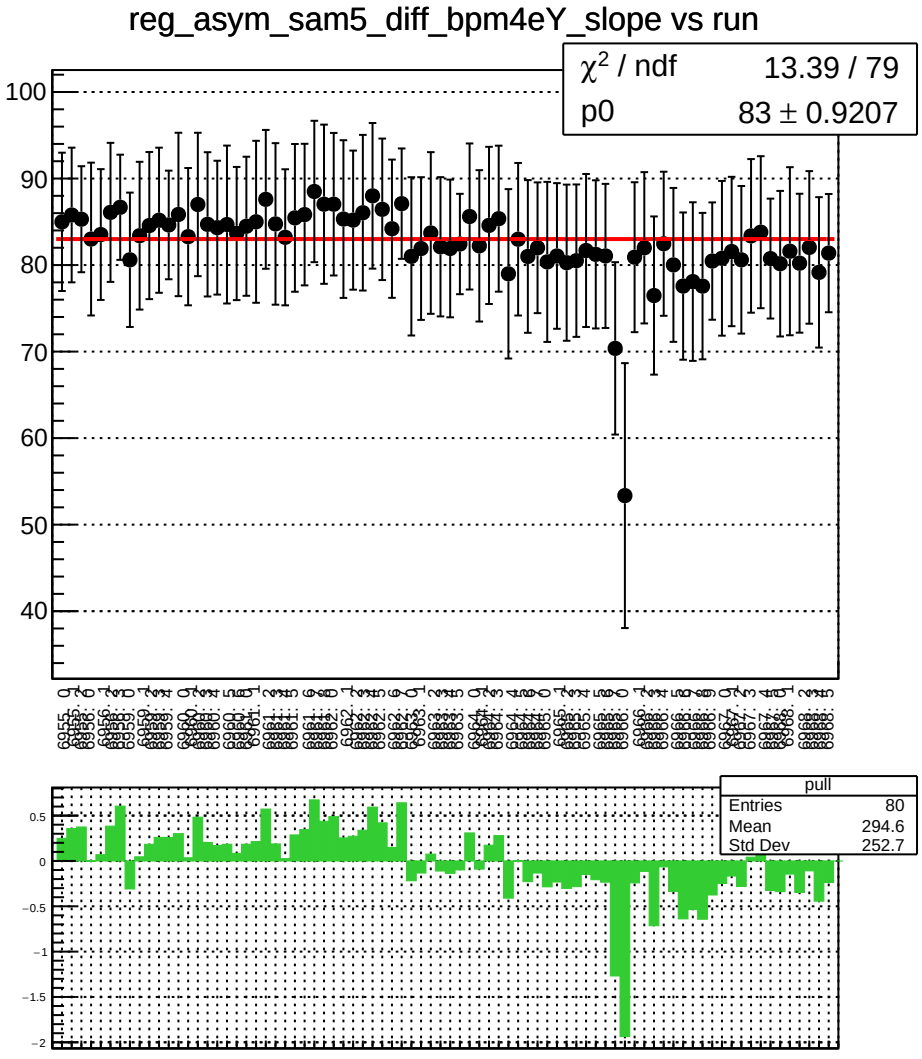

pull1D
Entries 80
Mean 0.0005948
Std Dev 0.2057

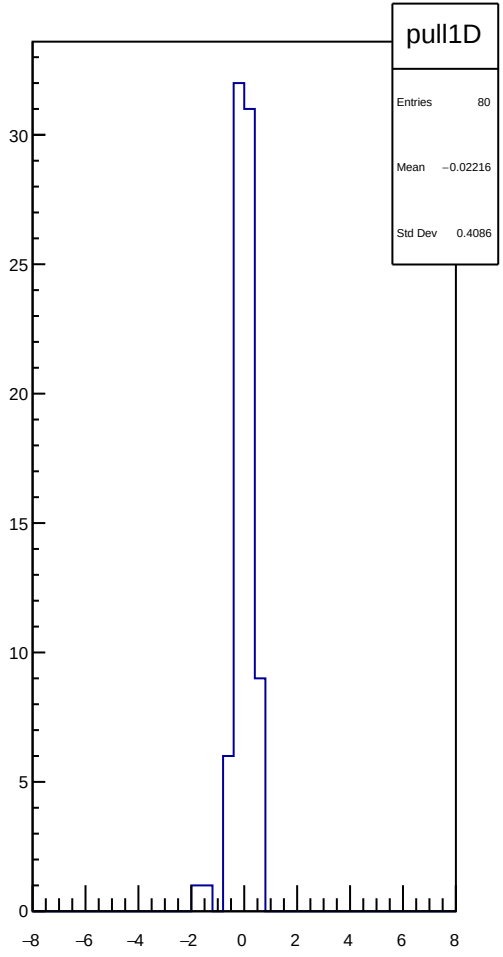

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 12.99 / 79
p0 56.44 ± 0.81
pull
Entries 80
Mean 227.9
Std Dev 185.7

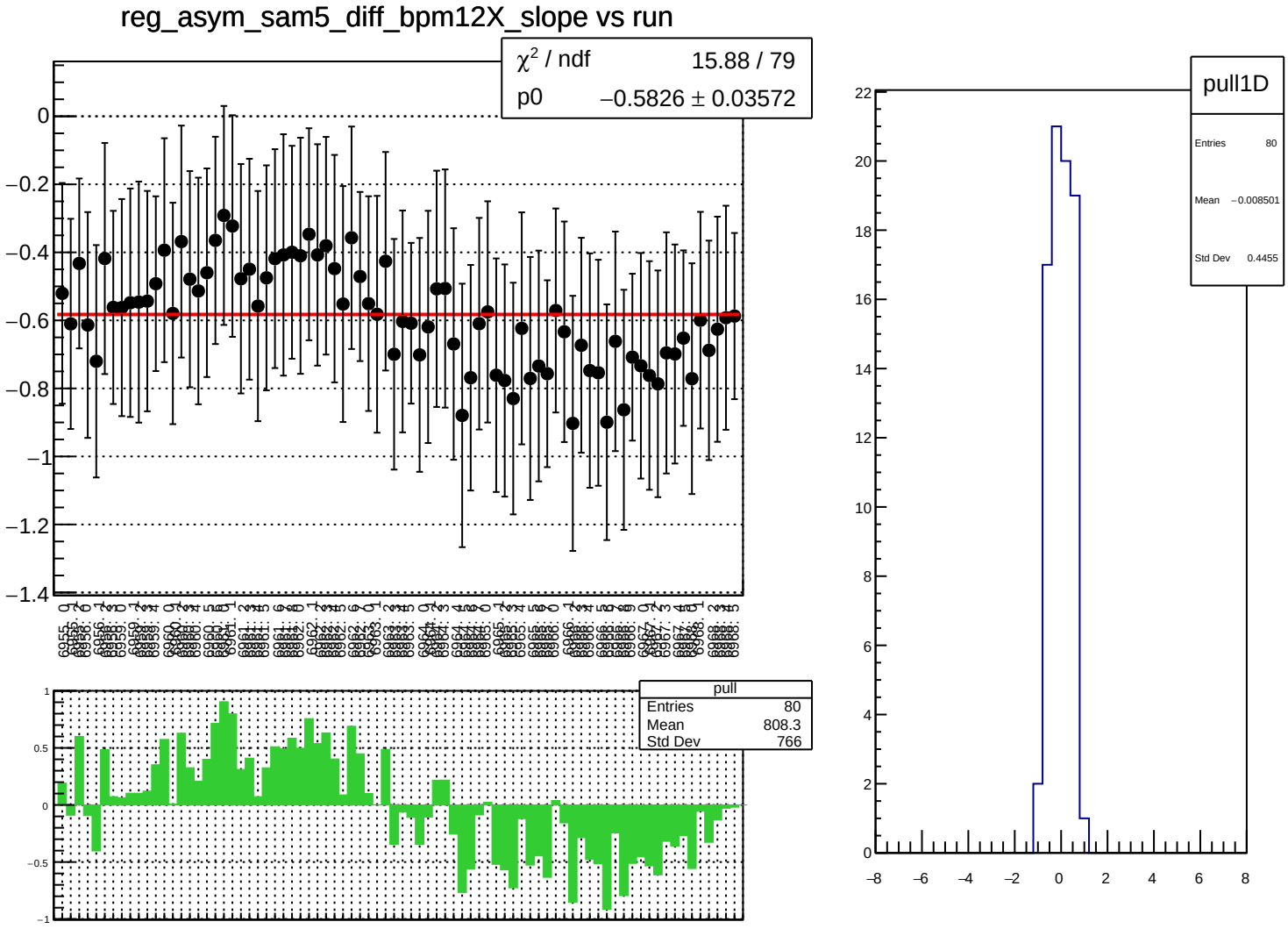

pull1D
Entries 80
Mean 0.02804
Std Dev 0.402

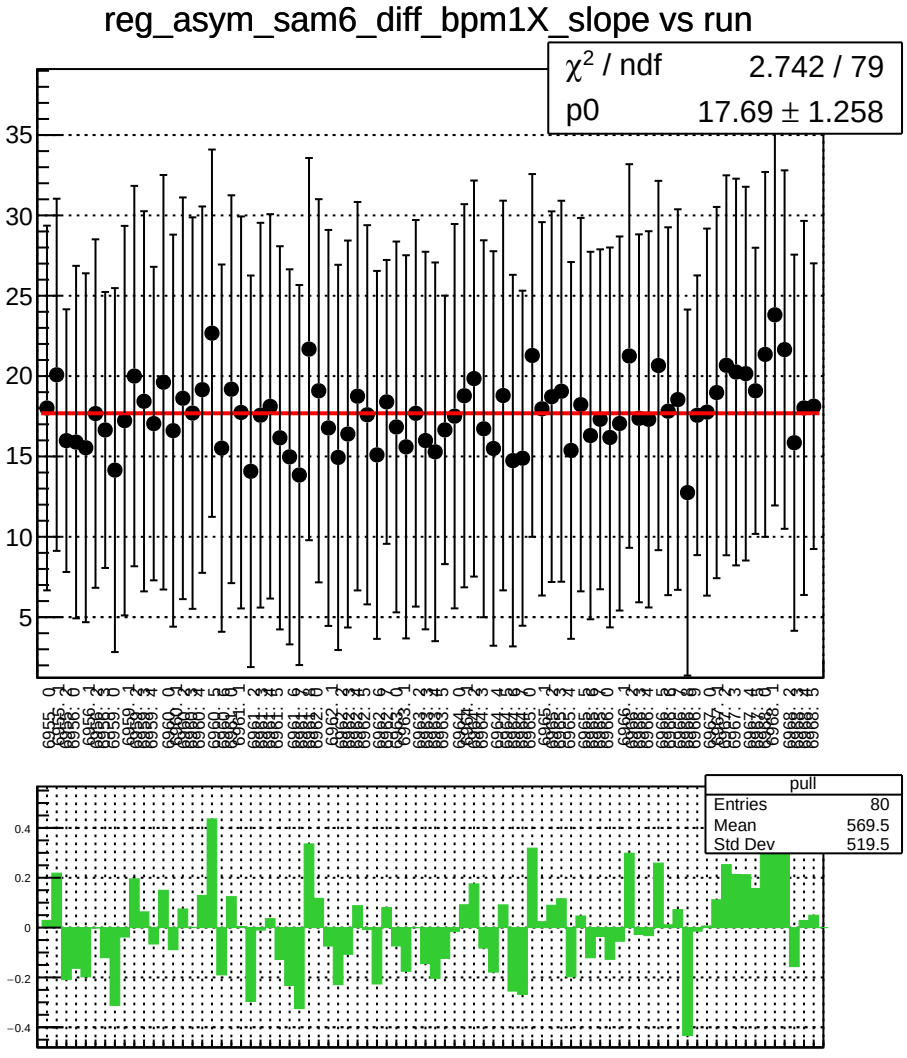

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 3.574 / 79
p0 11.65 ± 1.086
pull
Entries 80
Mean −1721
Std Dev 1754

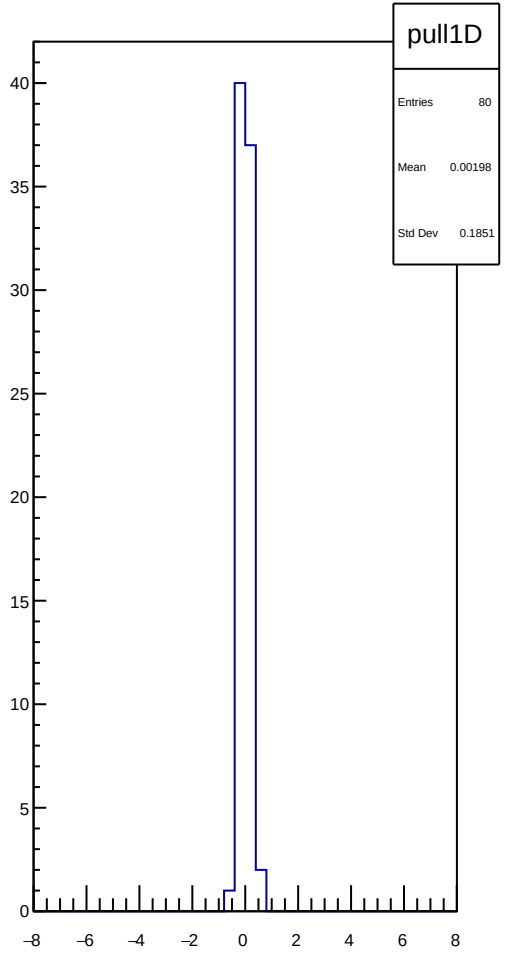

pull1D
Entries 80
Mean −0.001001
Std Dev 0.2114

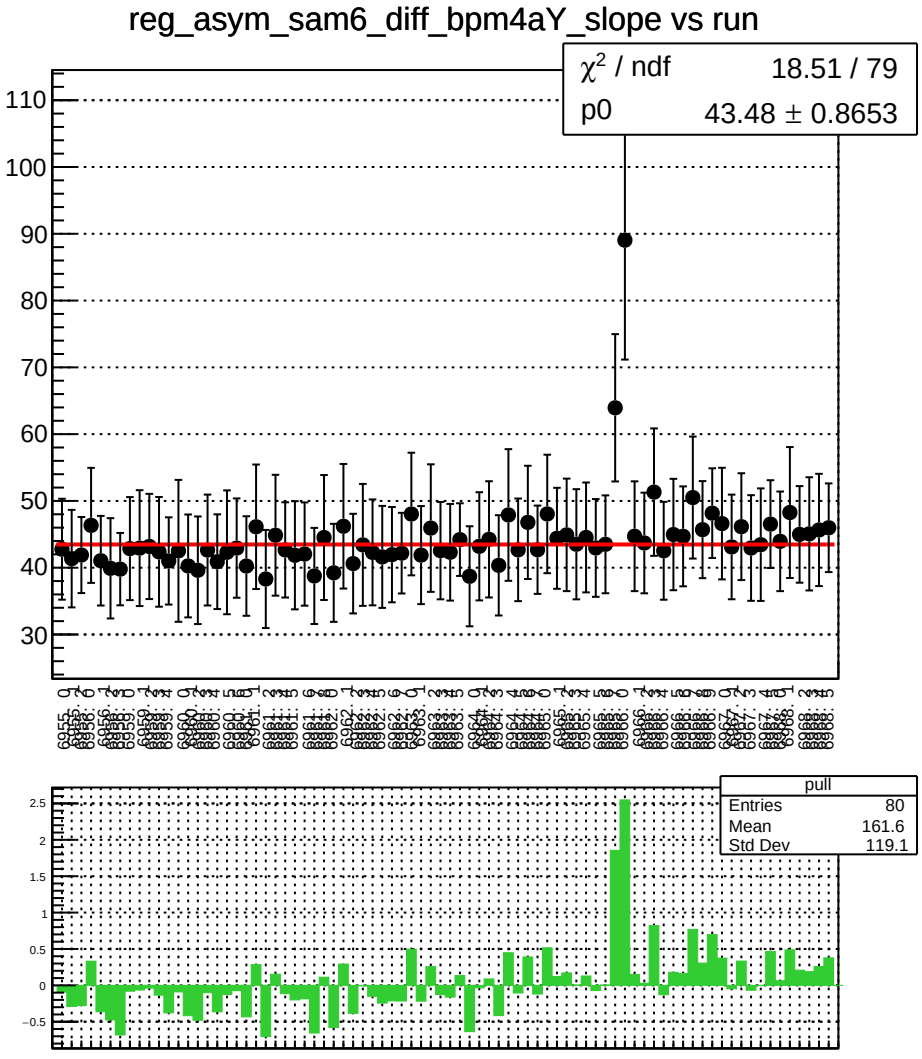

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 13.39 / 79
p0 83 ± 0.9207
pull
Entries 80
Mean 294.6
Std Dev 252.7

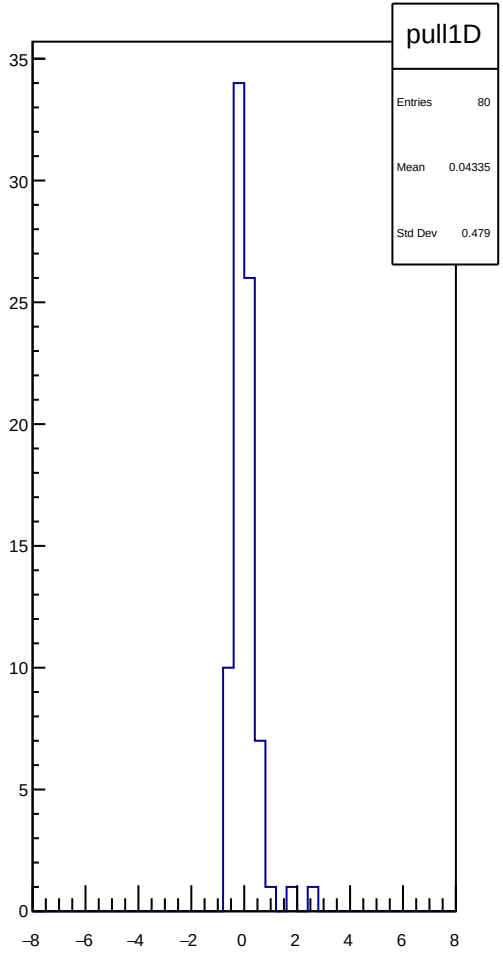

pull1D
Entries 80
Mean −0.02216
Std Dev 0.4086

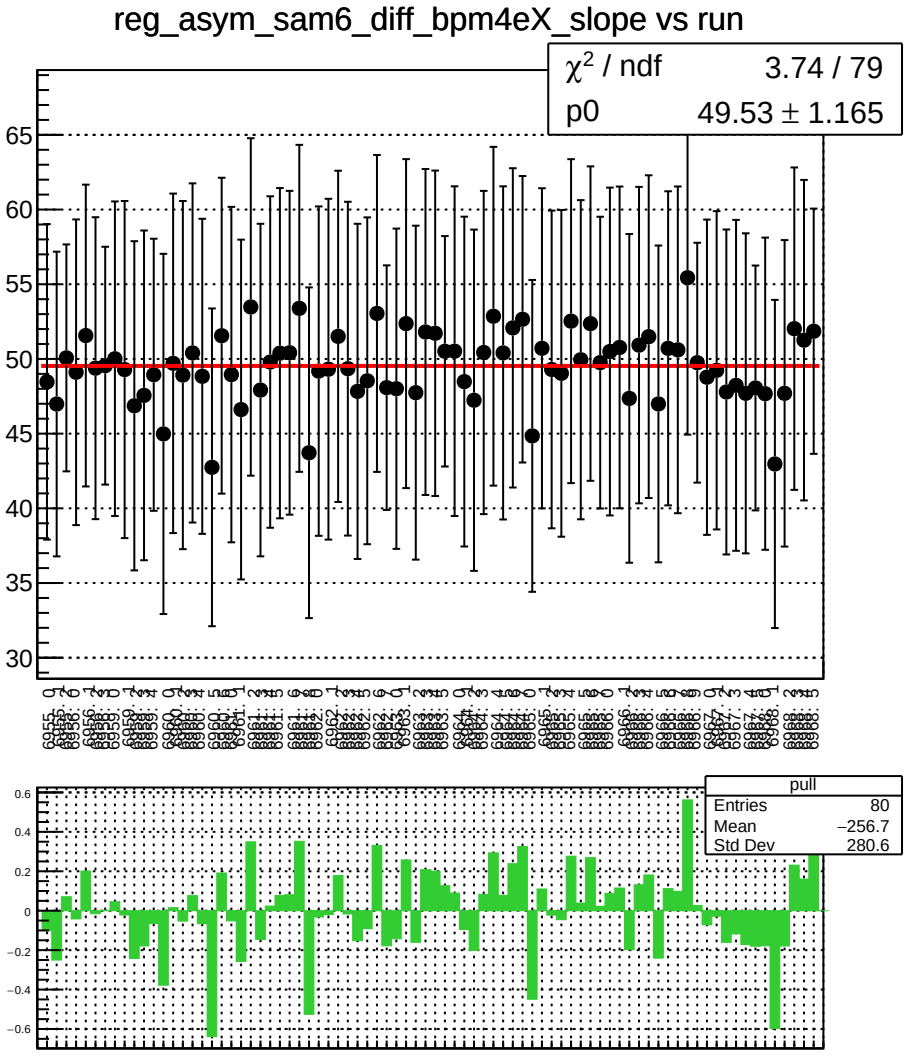

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 15.88 / 79
p0 −0.5826 ± 0.03572
pull
Entries 80
Mean 808.3
Std Dev 766
pull1D
Entries 80
Mean −0.008501
Std Dev 0.4455

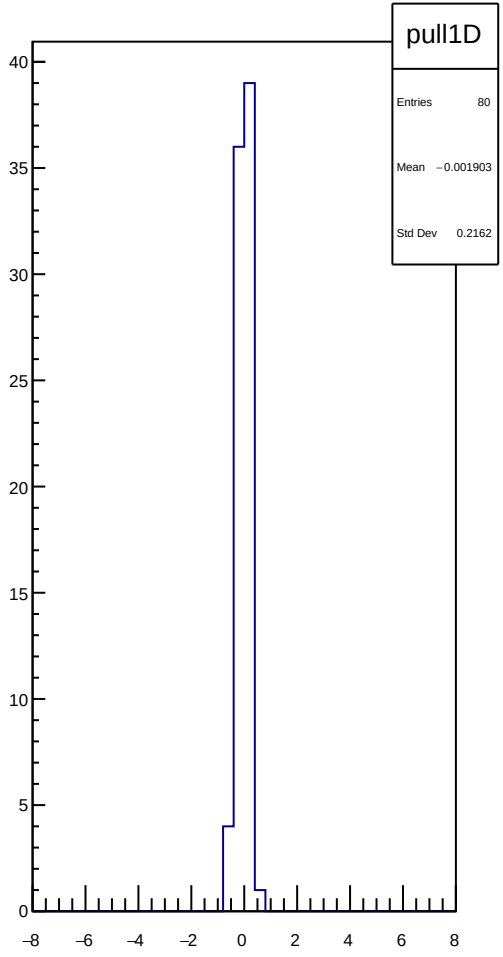

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 2.742 / 79
p0 17.69 ± 1.258
pull
Entries 80
Mean 569.5
Std Dev 519.5

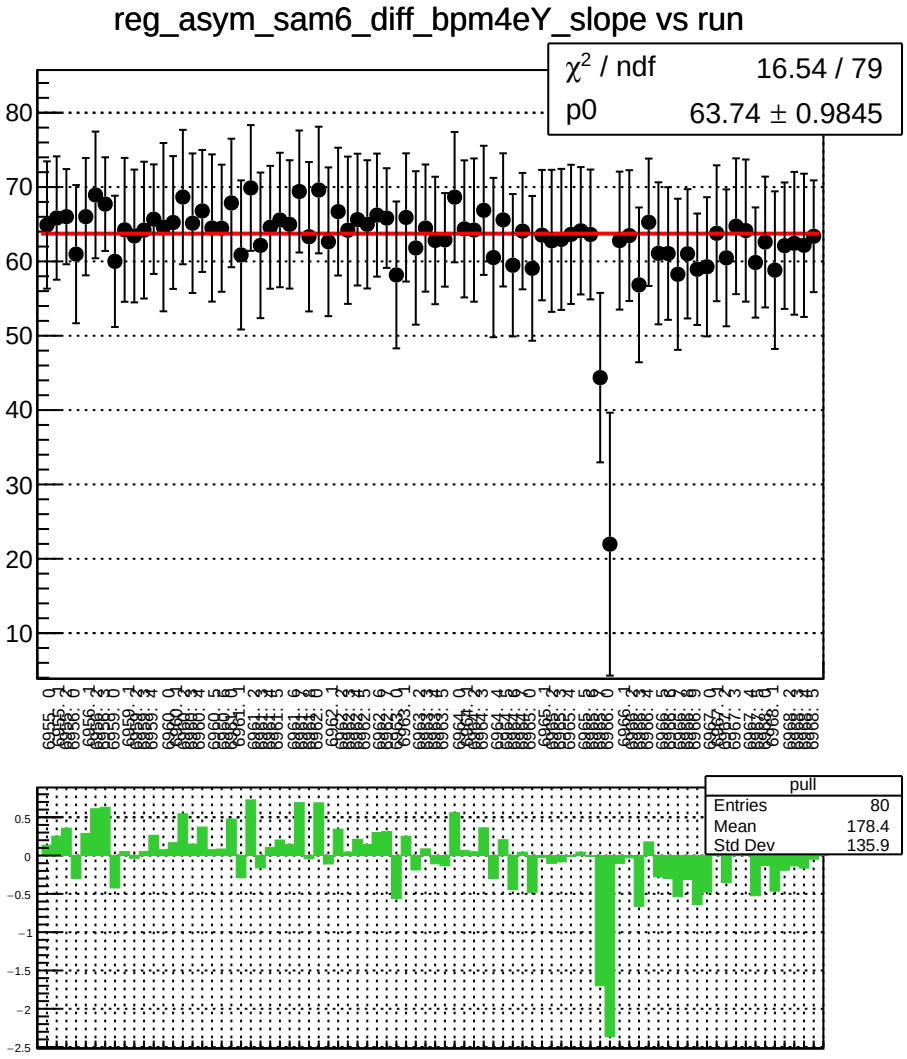

pull1D
Entries 80
Mean 0.00198
Std Dev 0.1851

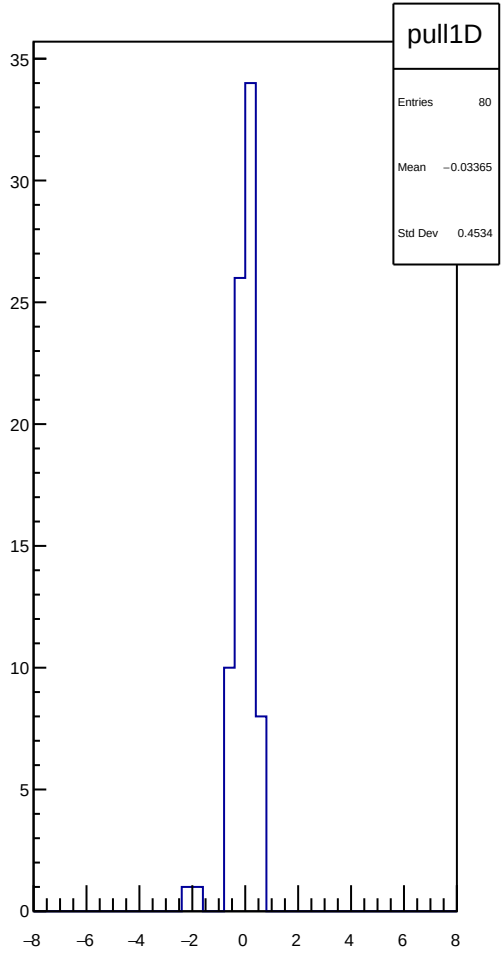

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 18.51 / 79
p0 43.48 ± 0.8653
pull
Entries 80
Mean 161.6
Std Dev 119.1

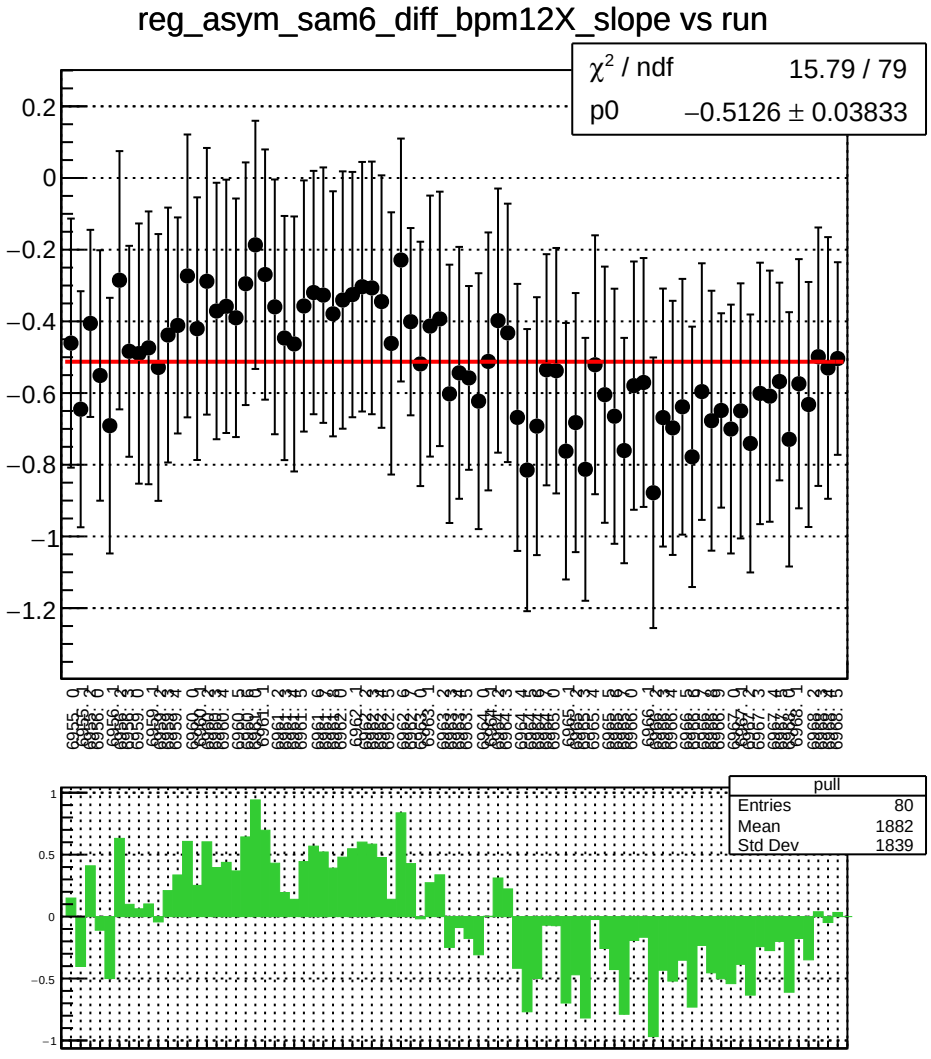

pull1D
Entries 80
Mean 0.04335
Std Dev 0.479

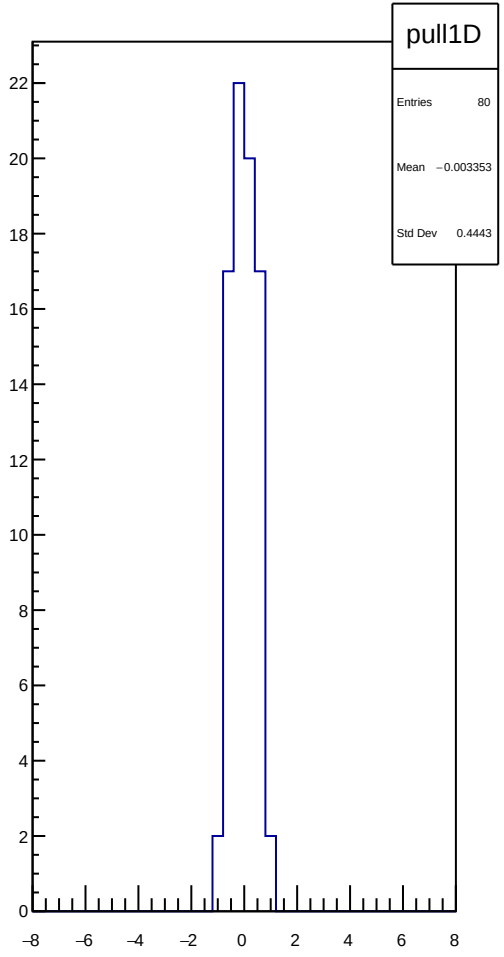

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 3.74 / 79
p0 49.53 ± 1.165
pull
Entries 80
Mean −256.7
Std Dev 280.6

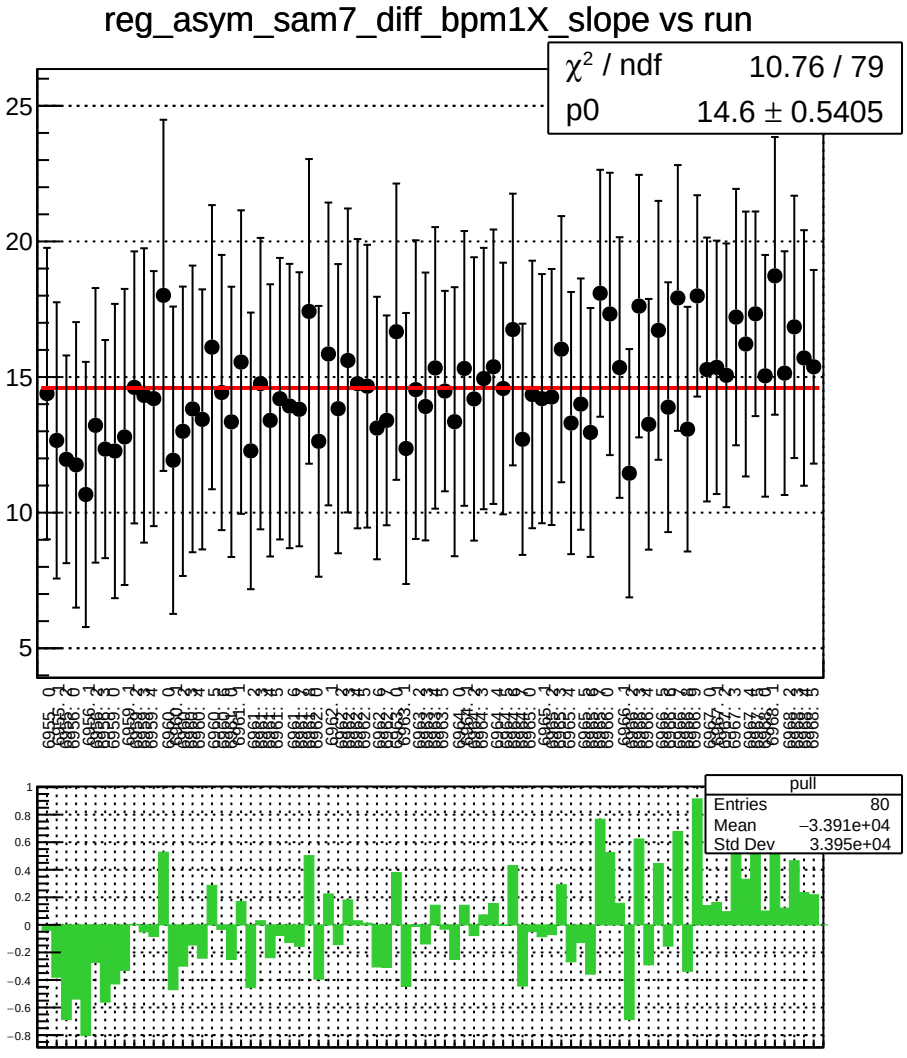

pull1D
Entries 80
Mean −0.001903
Std Dev 0.2162

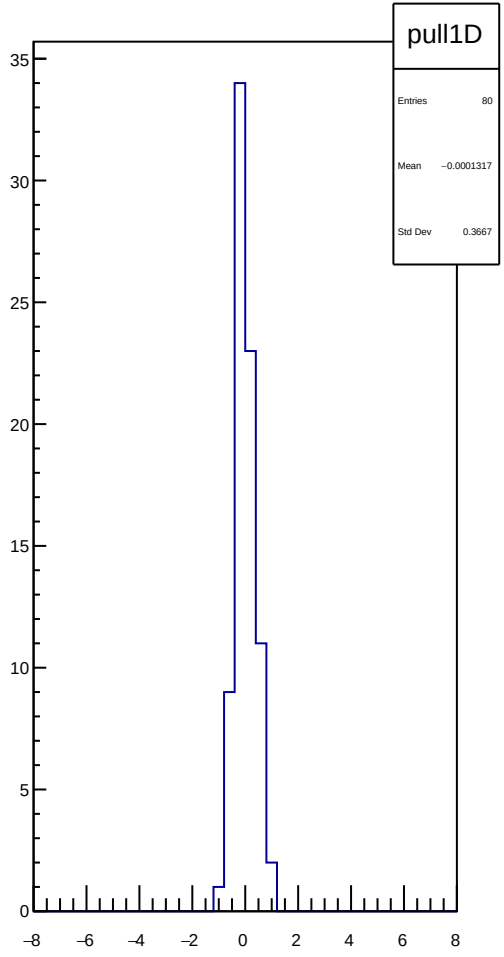

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 16.54 / 79
p0 63.74 ± 0.9845
pull
Entries 80
Mean 178.4
Std Dev 135.9

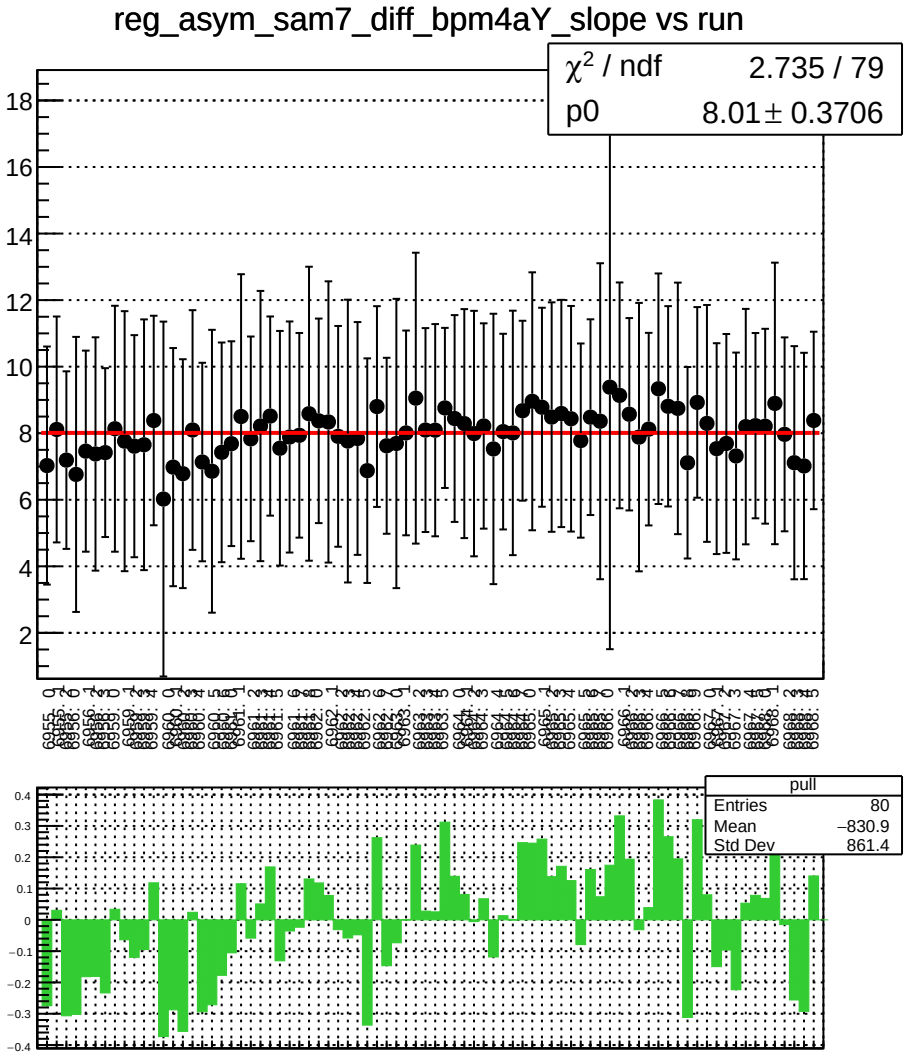

pull1D
Entries 80
Mean −0.03365
Std Dev 0.4534

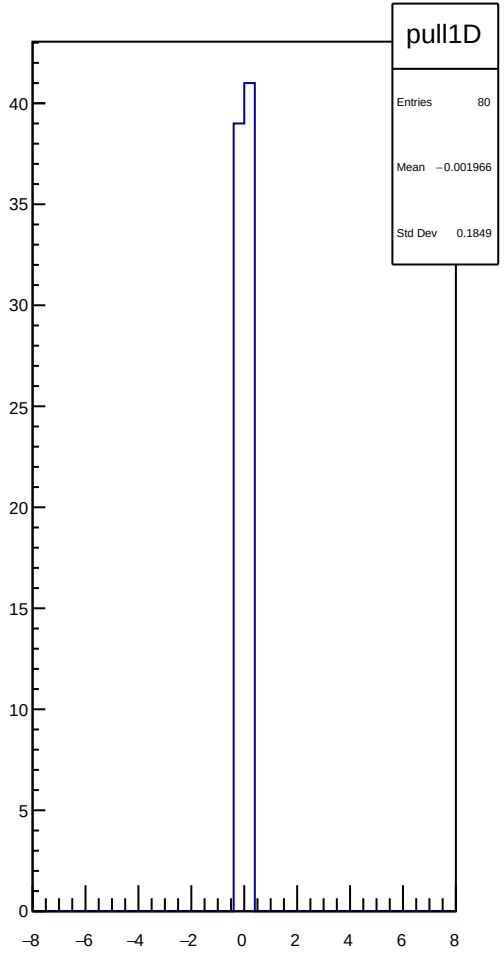

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 15.79 / 79
p0 −0.5126 ± 0.03833
pull
Entries 80
Mean 1882
Std Dev 1839

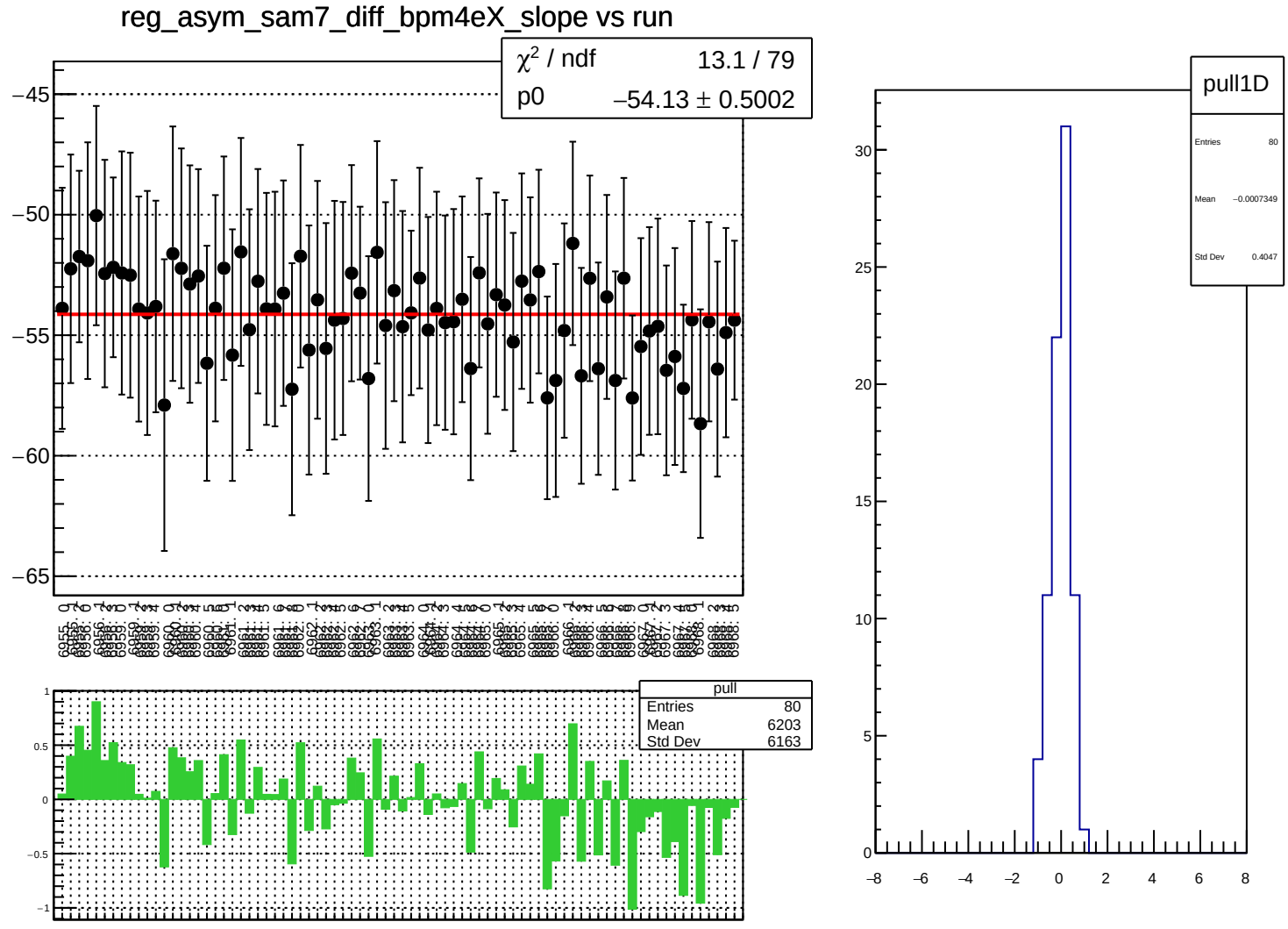

pull1D
Entries 80
Mean −0.003353
Std Dev 0.4443

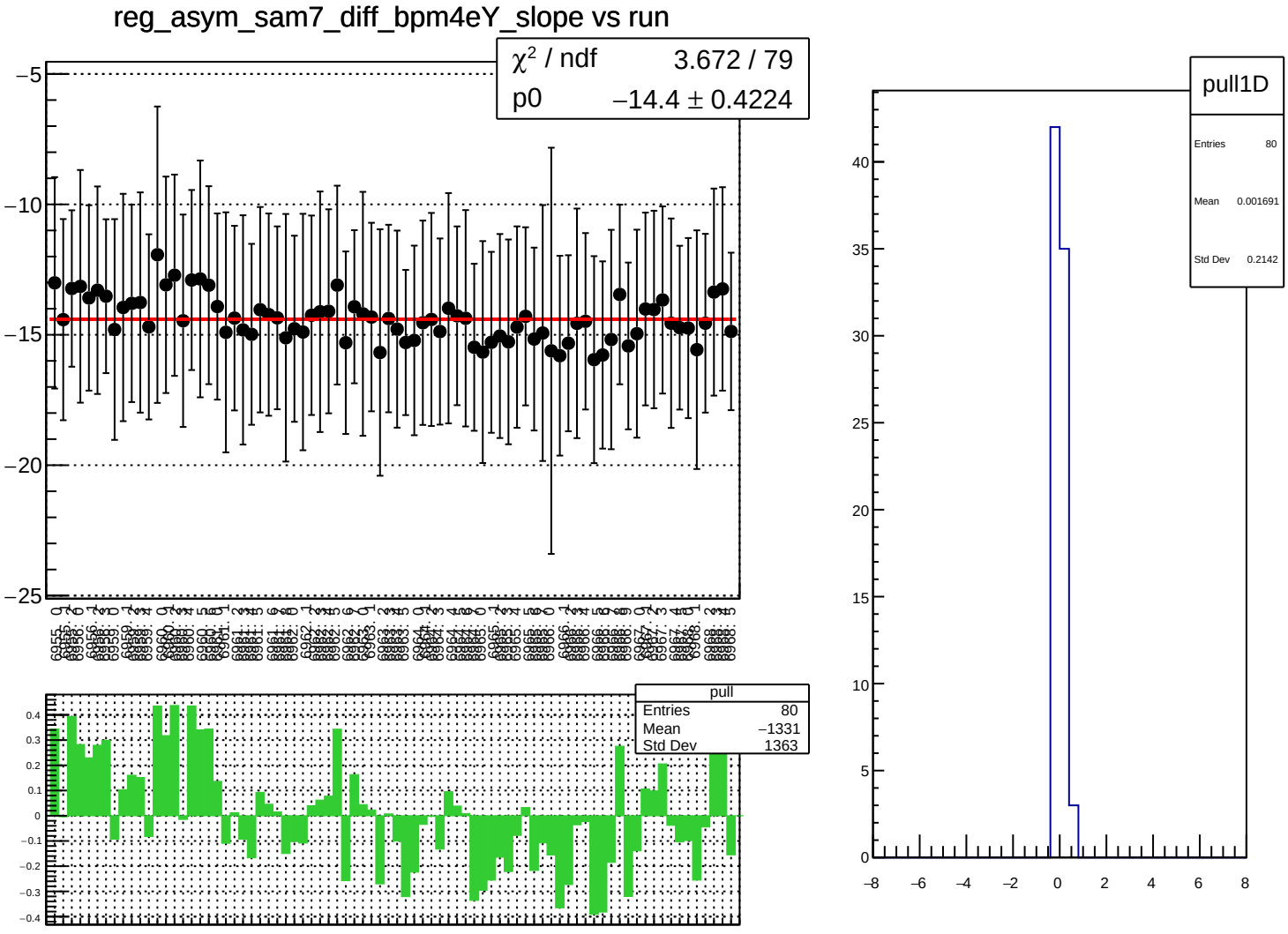

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 10.76 / 79
p0 14.6 ± 0.5405
pull
Entries 80
Mean −3.391e+04
Std Dev 3.395e+04

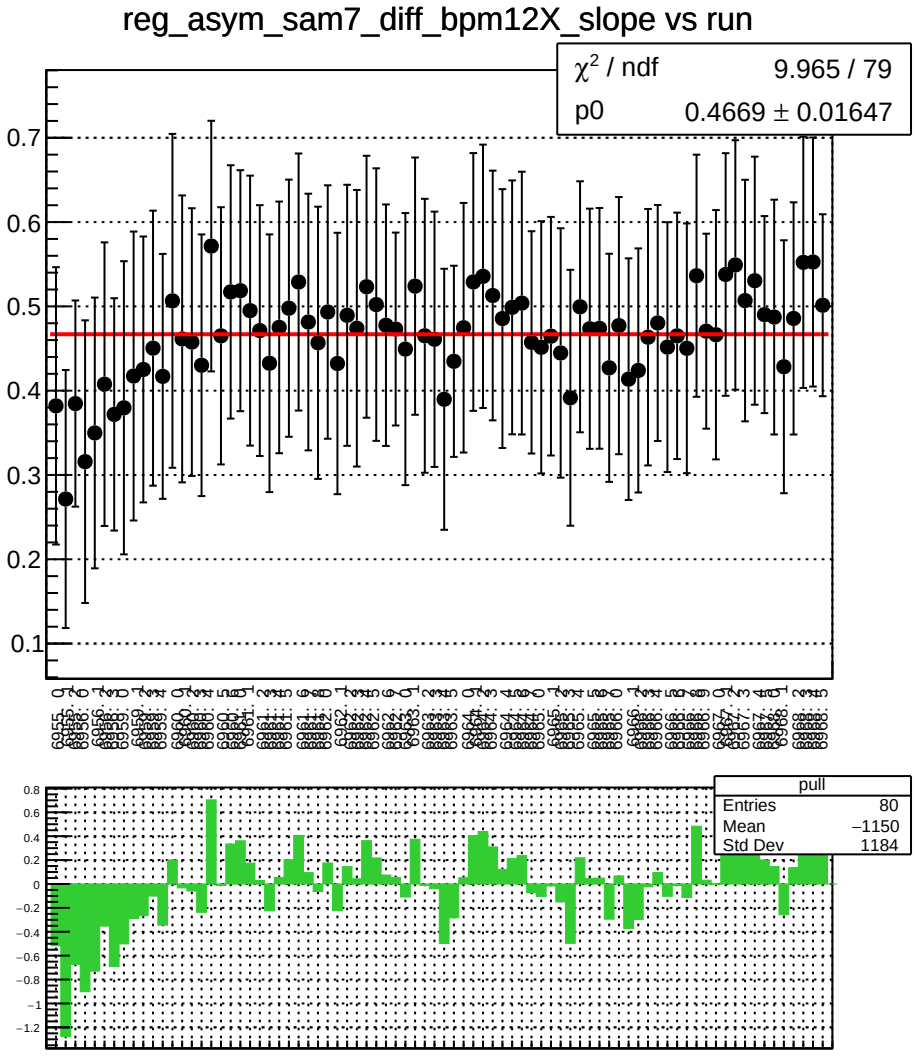

pull1D
Entries 80
Mean −0.0001317
Std Dev 0.3667

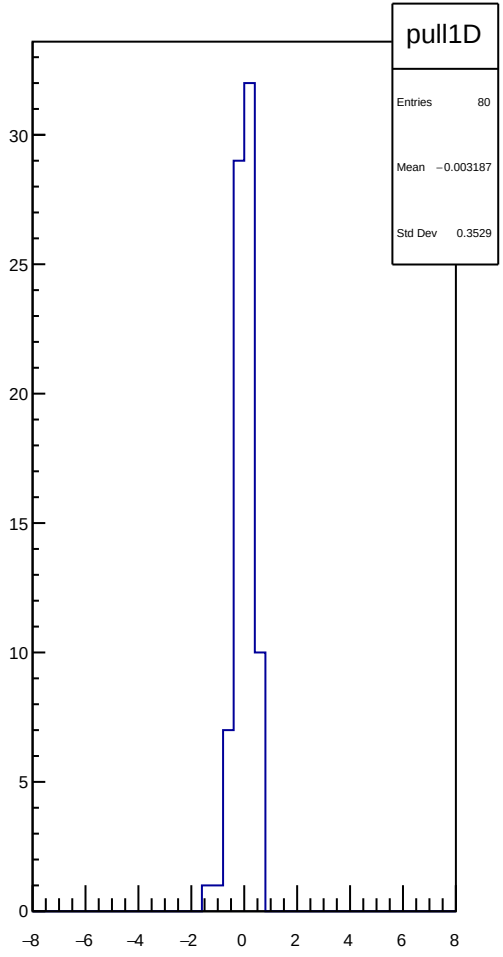

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 2.735 / 79
p0 8.01 ± 0.3706
pull
Entries 80
Mean −830.9
Std Dev 861.4

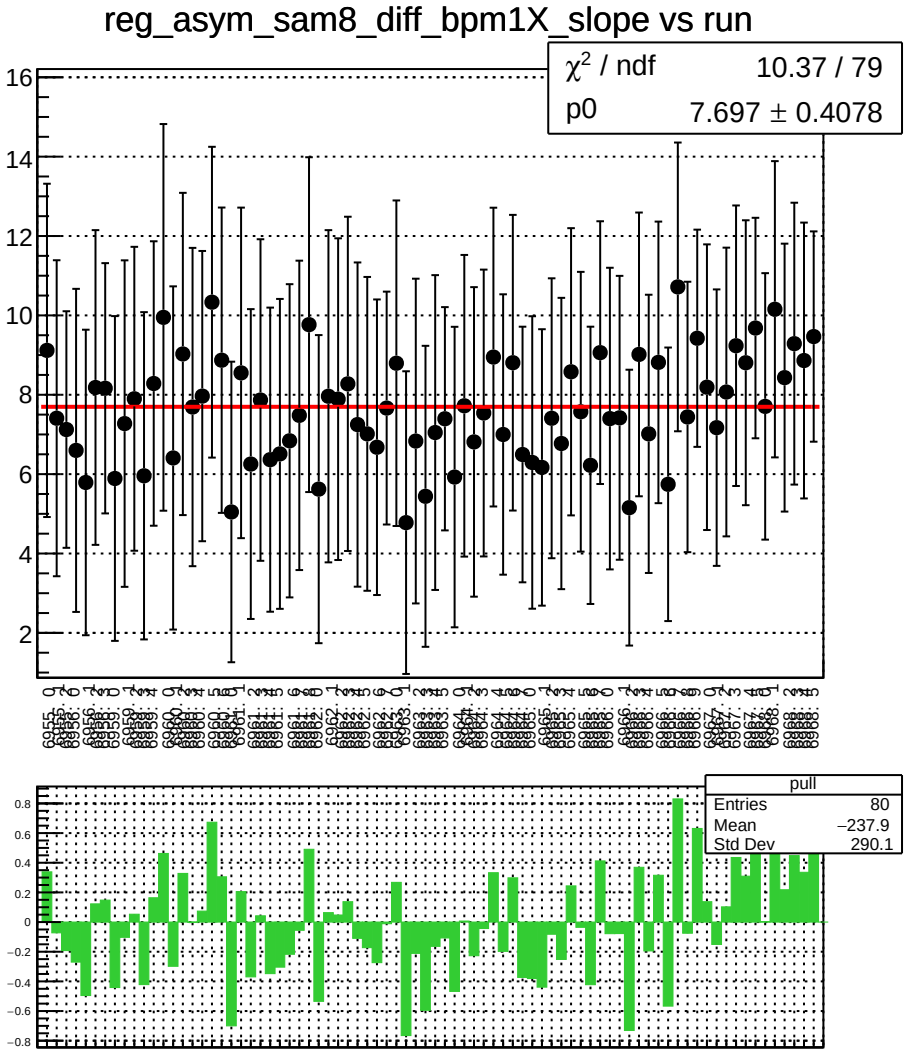

pull1D
Entries 80
Mean −0.001966
Std Dev 0.1849

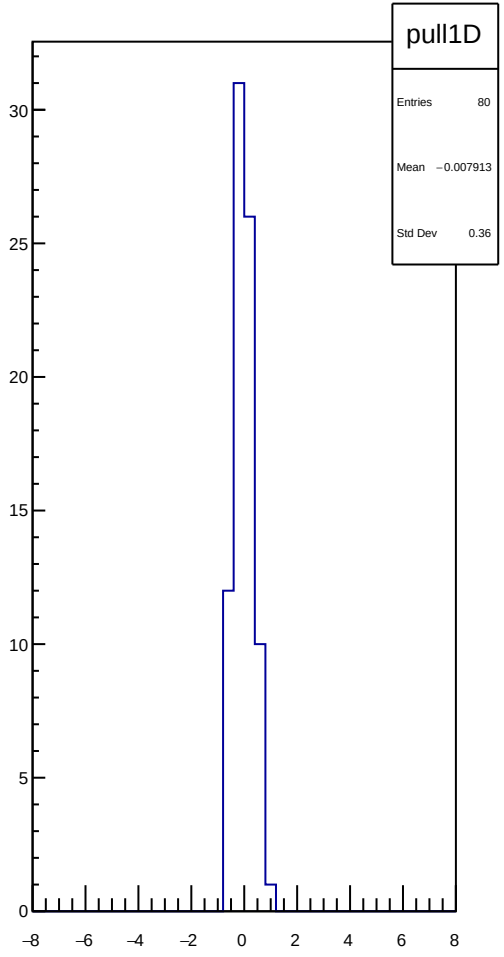

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 13.1 / 79
p0 −54.13 ± 0.5002
pull
Entries 80
Mean 6203
Std Dev 6163
pull1D
Entries 80
Mean −0.0007349
Std Dev 0.4047

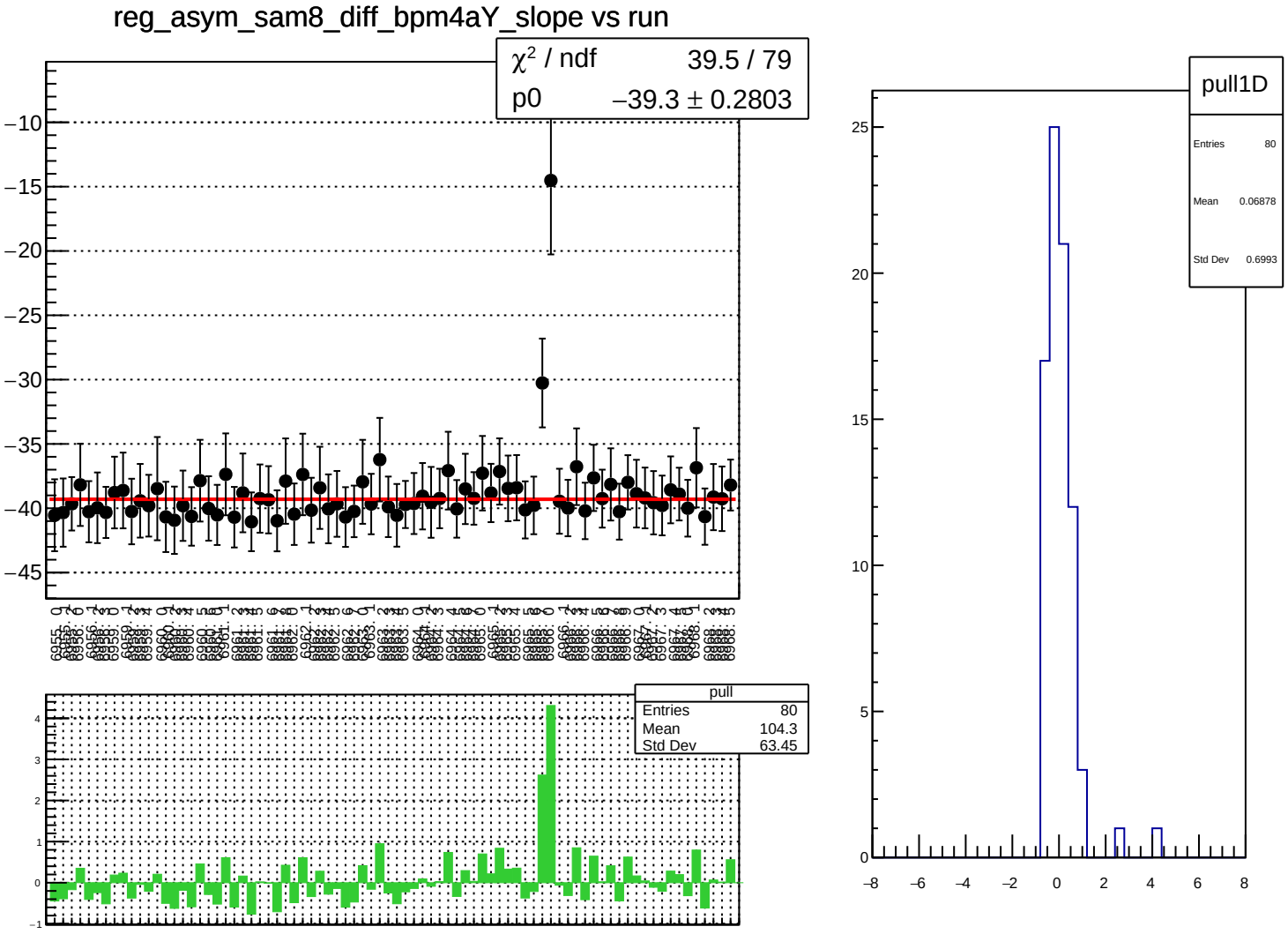

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.672 / 79
p0 −14.4 ± 0.4224
pull
Entries 80
Mean −1331
Std Dev 1363
pull1D
Entries 80
Mean 0.001691
Std Dev 0.2142

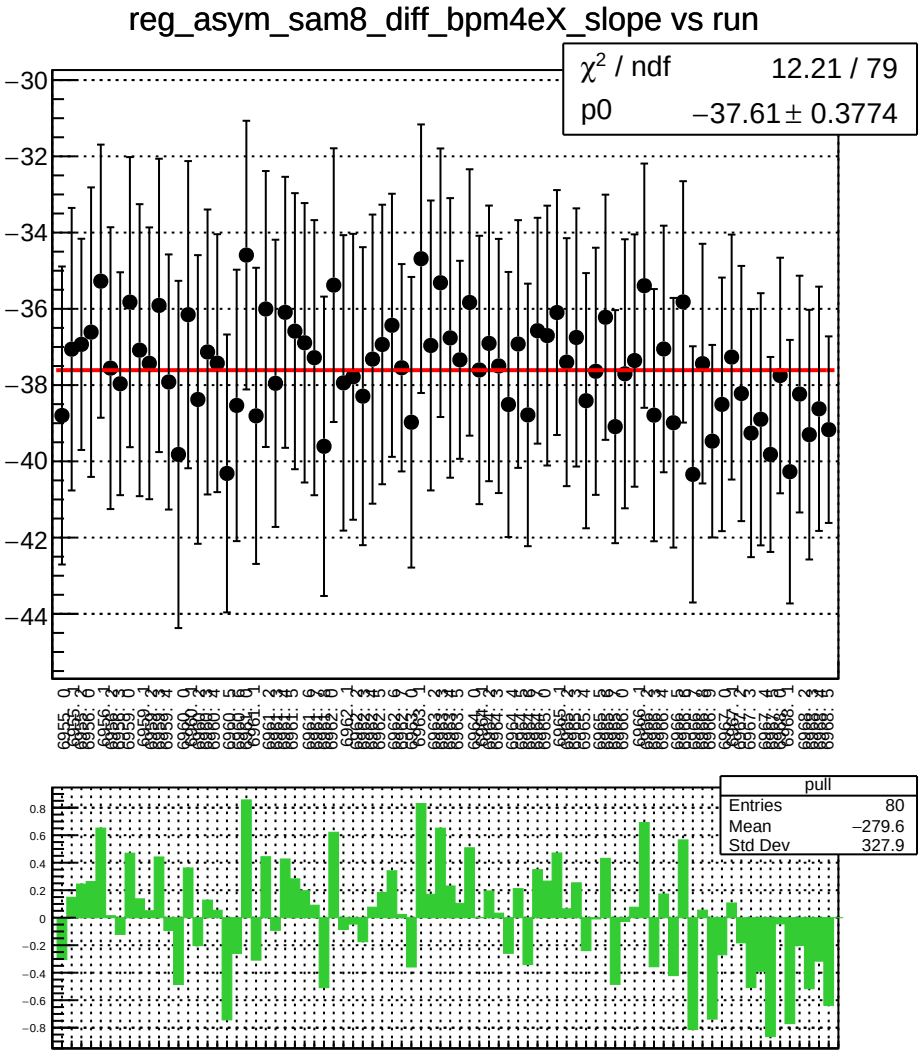

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 9.965 / 79
p0 0.4669 ± 0.01647
pull
Entries 80
Mean −1150
Std Dev 1184

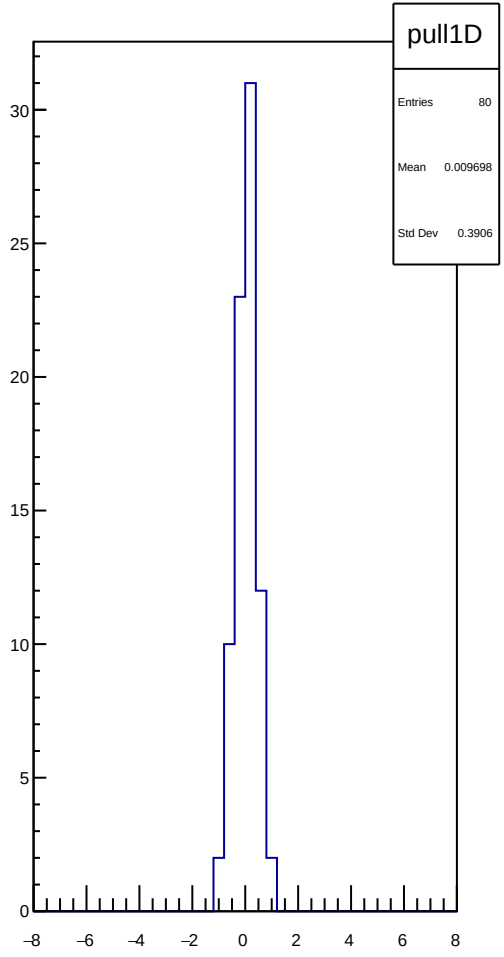

pull1D
Entries 80
Mean −0.003187
Std Dev 0.3529

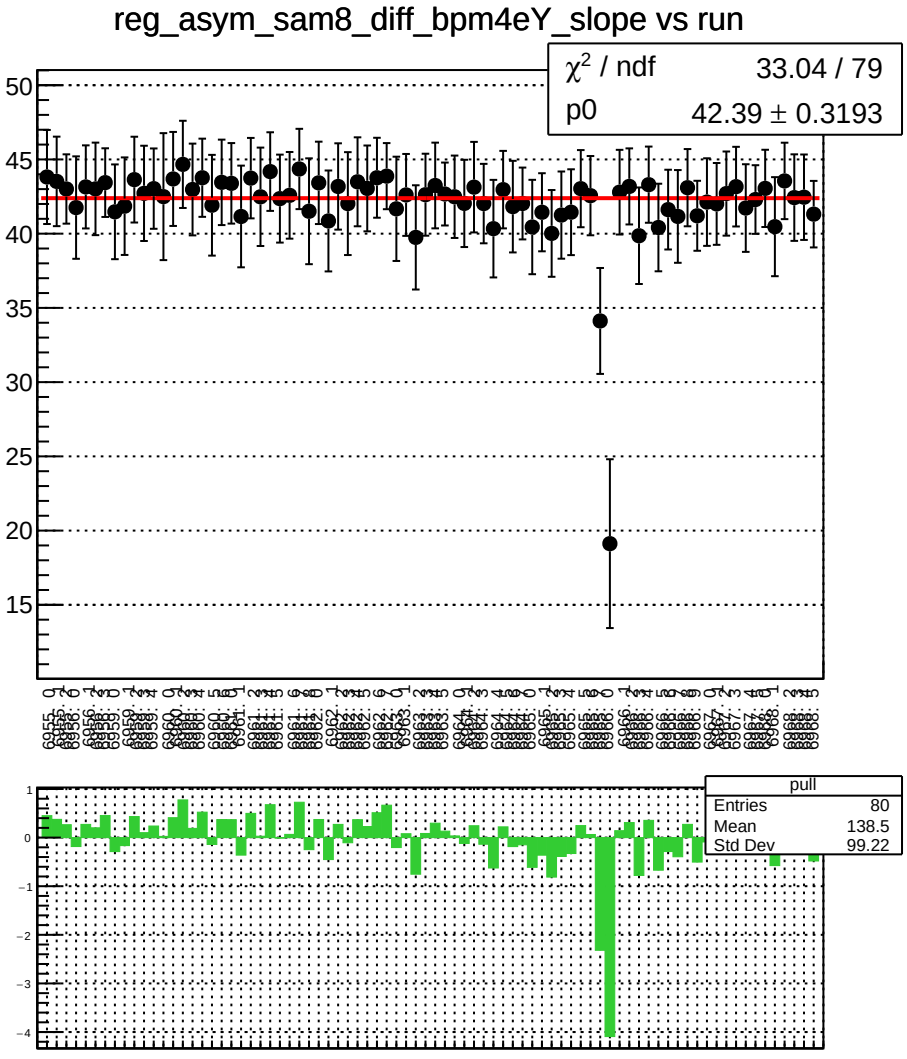

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 10.37 / 79
p0 7.697 ± 0.4078
pull
Entries 80
Mean −237.9
Std Dev 290.1

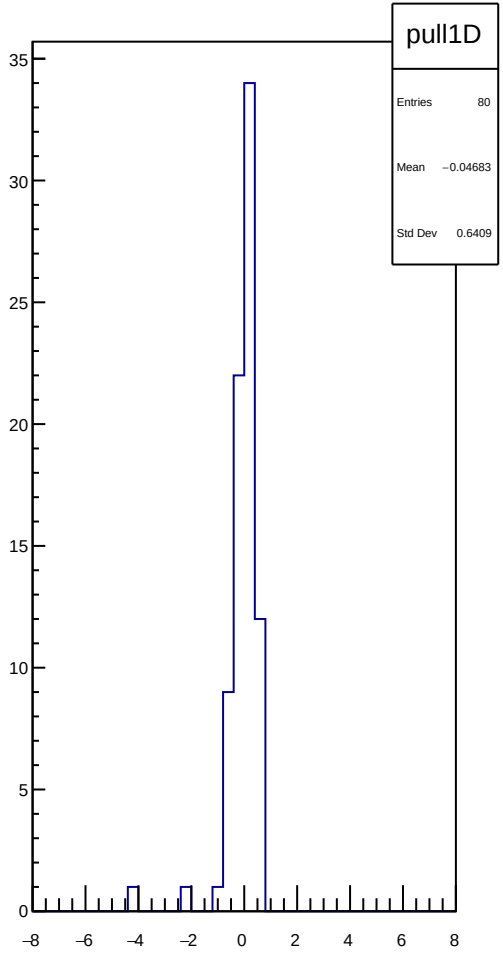

pull1D
Entries 80
Mean −0.007913
Std Dev 0.36

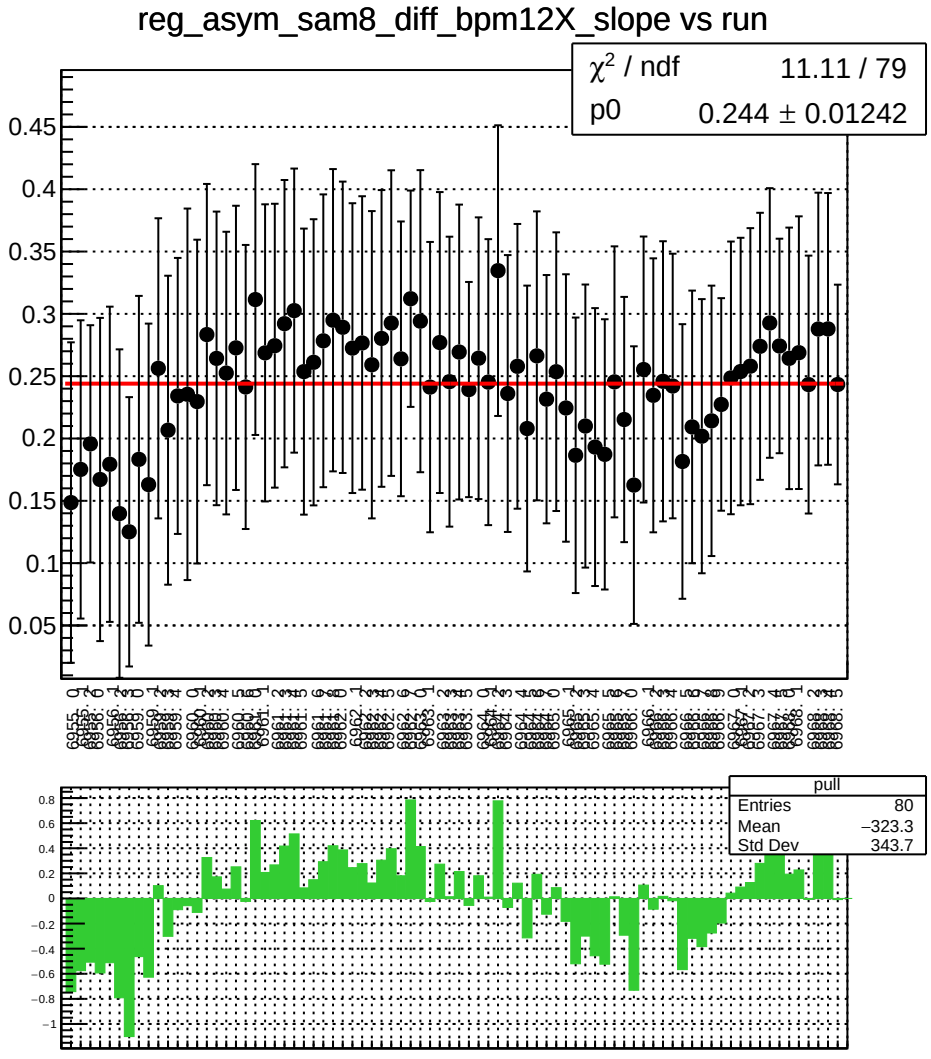

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 39.5 / 79
p0 −39.3 ± 0.2803
pull
Entries 80
Mean 104.3
Std Dev 63.45
pull1D
Entries 80
Mean 0.06878
Std Dev 0.6993

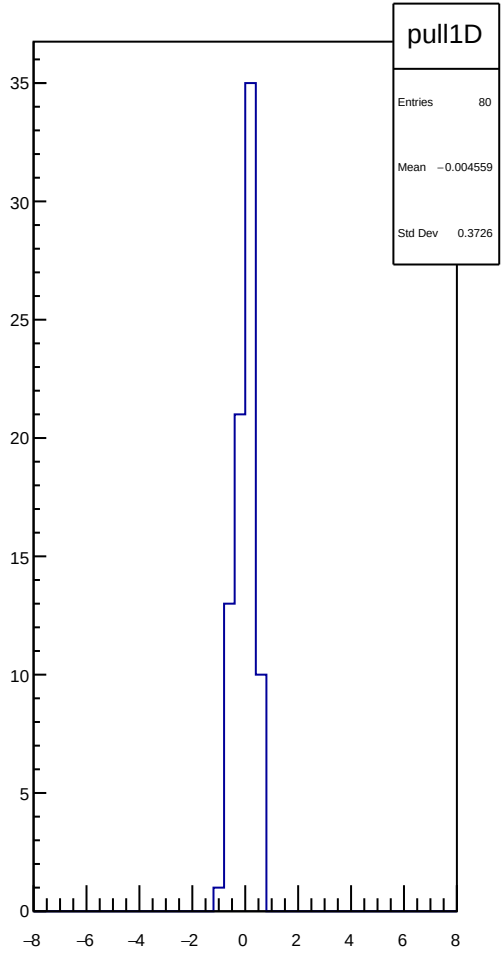

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 12.21 / 79
p0 −37.61 ± 0.3774
pull
Entries 80
Mean −279.6
Std Dev 327.9

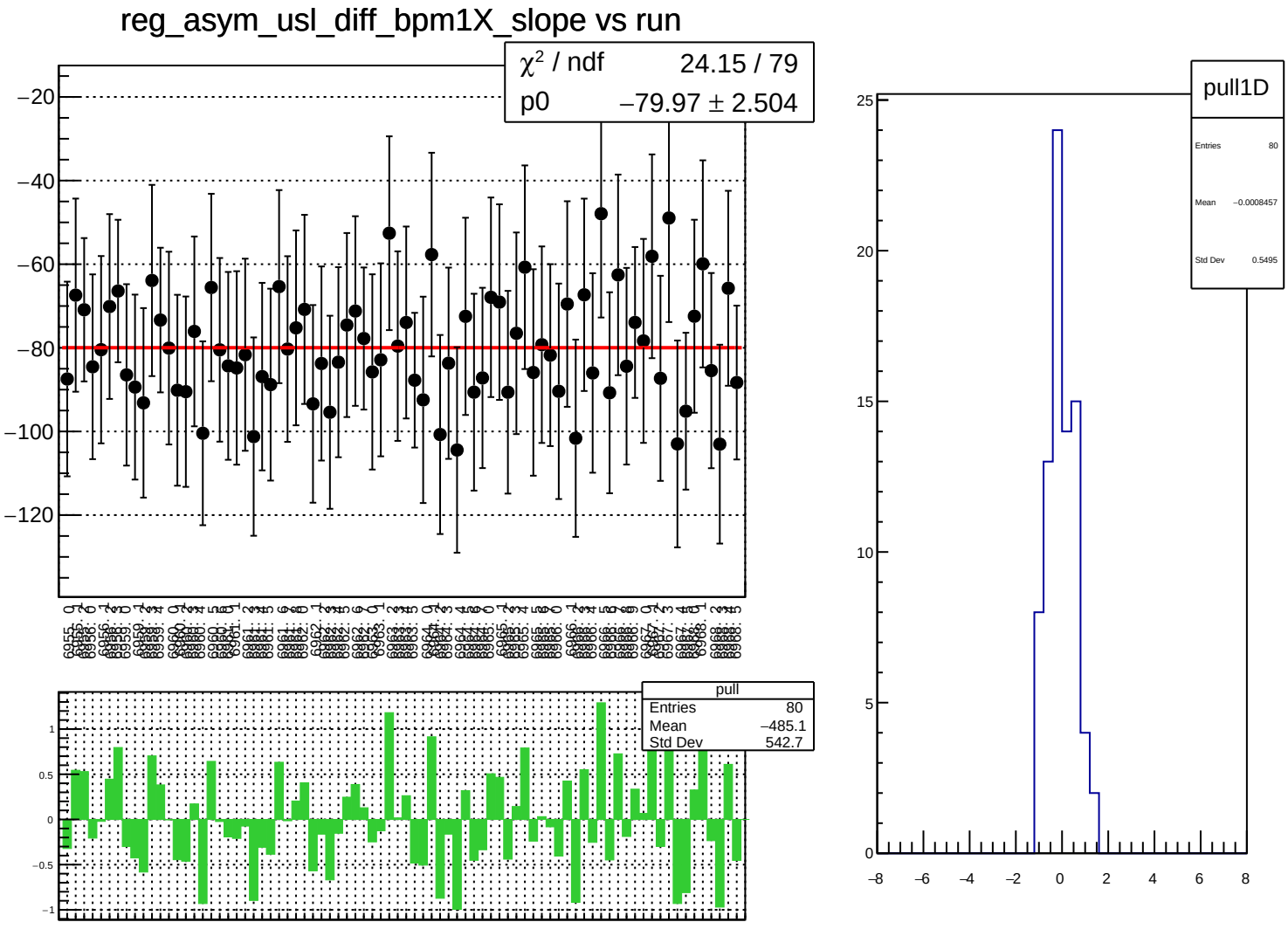

pull1D
Entries 80
Mean 0.009698
Std Dev 0.3906

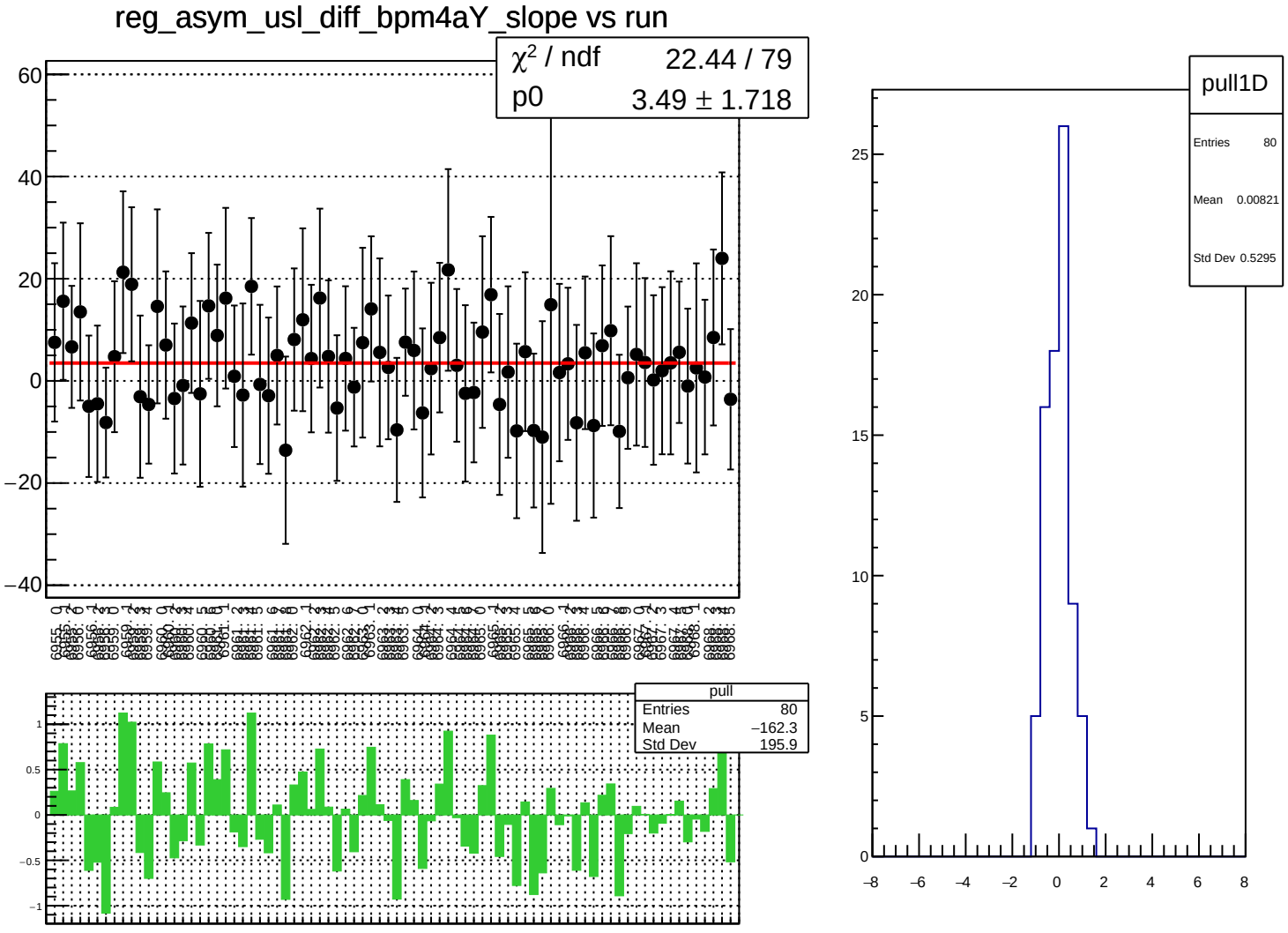

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 33.04 / 79
p0 42.39 ± 0.3193
pull
Entries 80
Mean 138.5
Std Dev 99.22

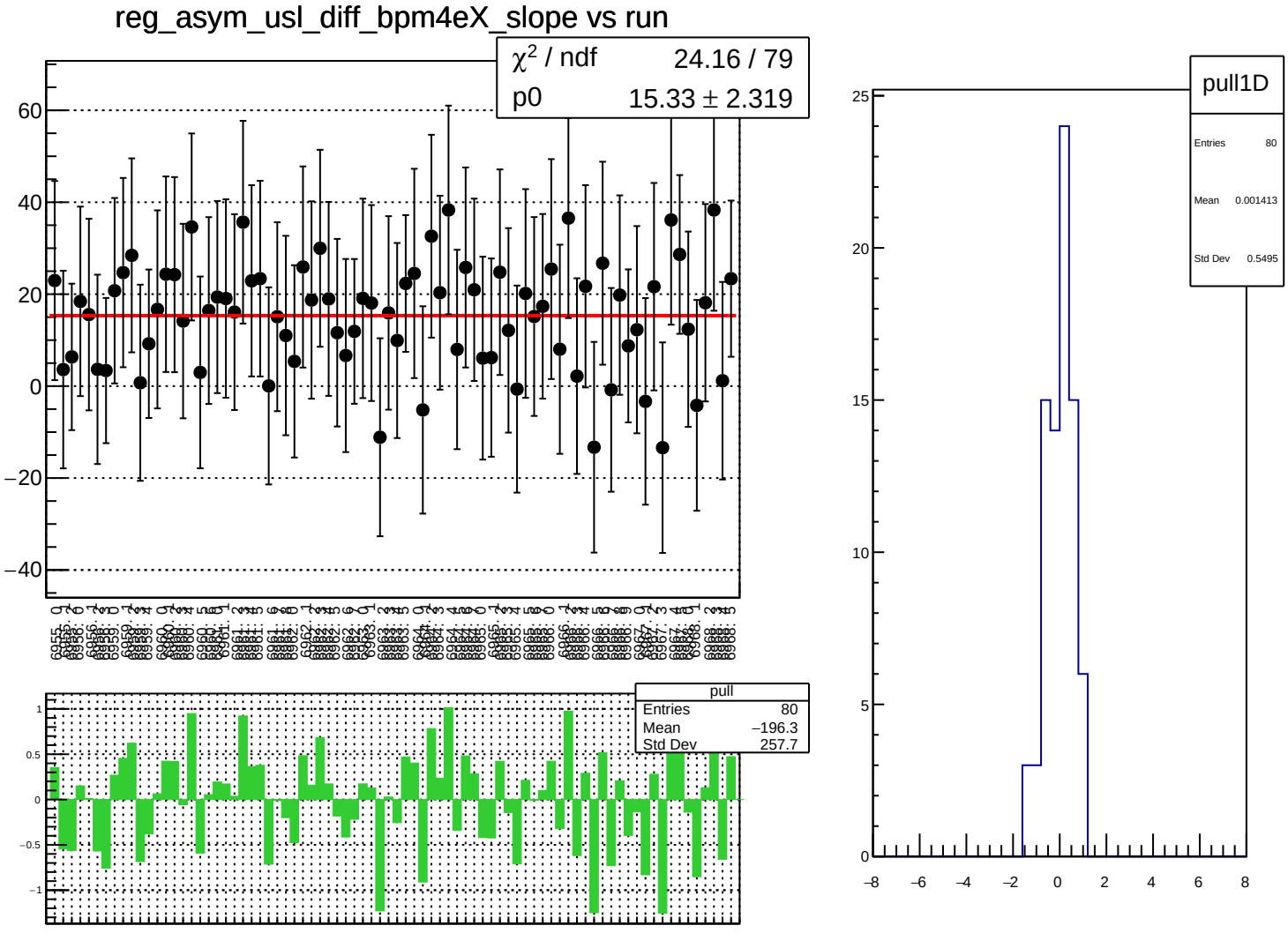

pull1D
Entries 80
Mean −0.04683
Std Dev 0.6409

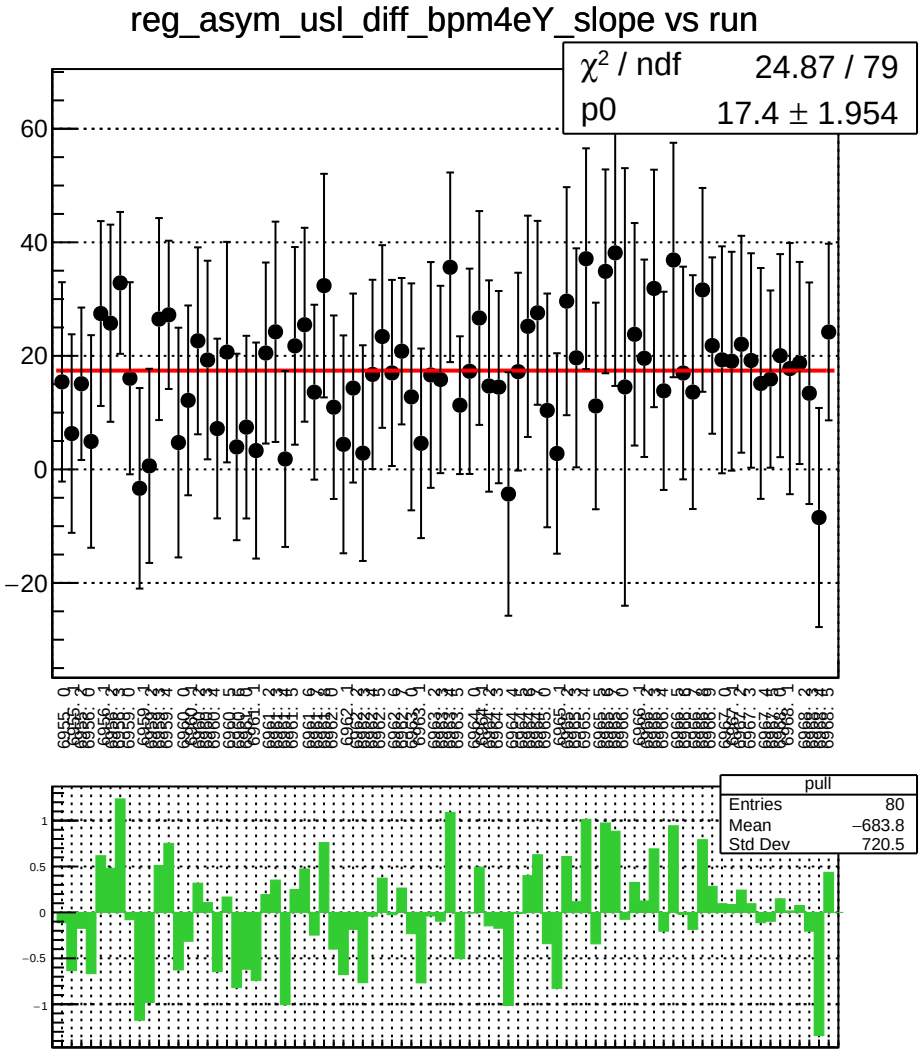

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 11.11 / 79
p0 0.244 ± 0.01242
pull
Entries 80
Mean −323.3
Std Dev 343.7

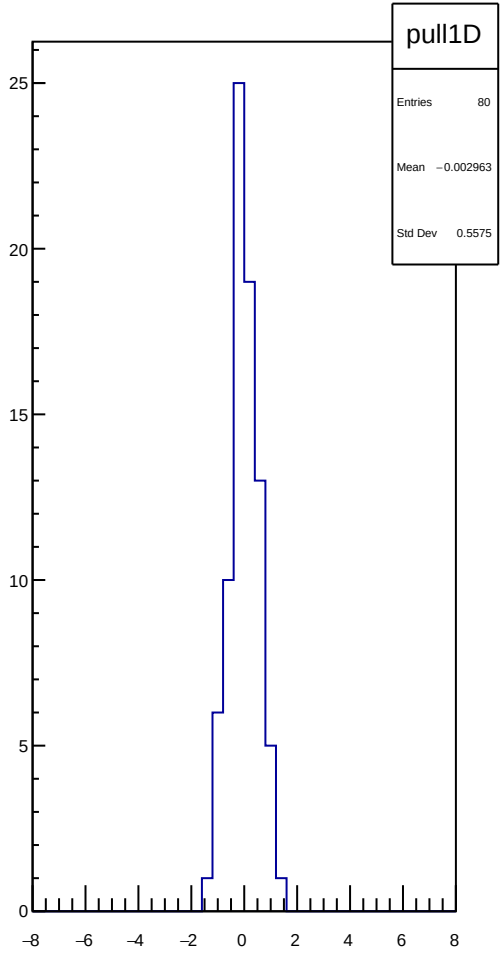

pull1D
Entries 80
Mean −0.004559
Std Dev 0.3726

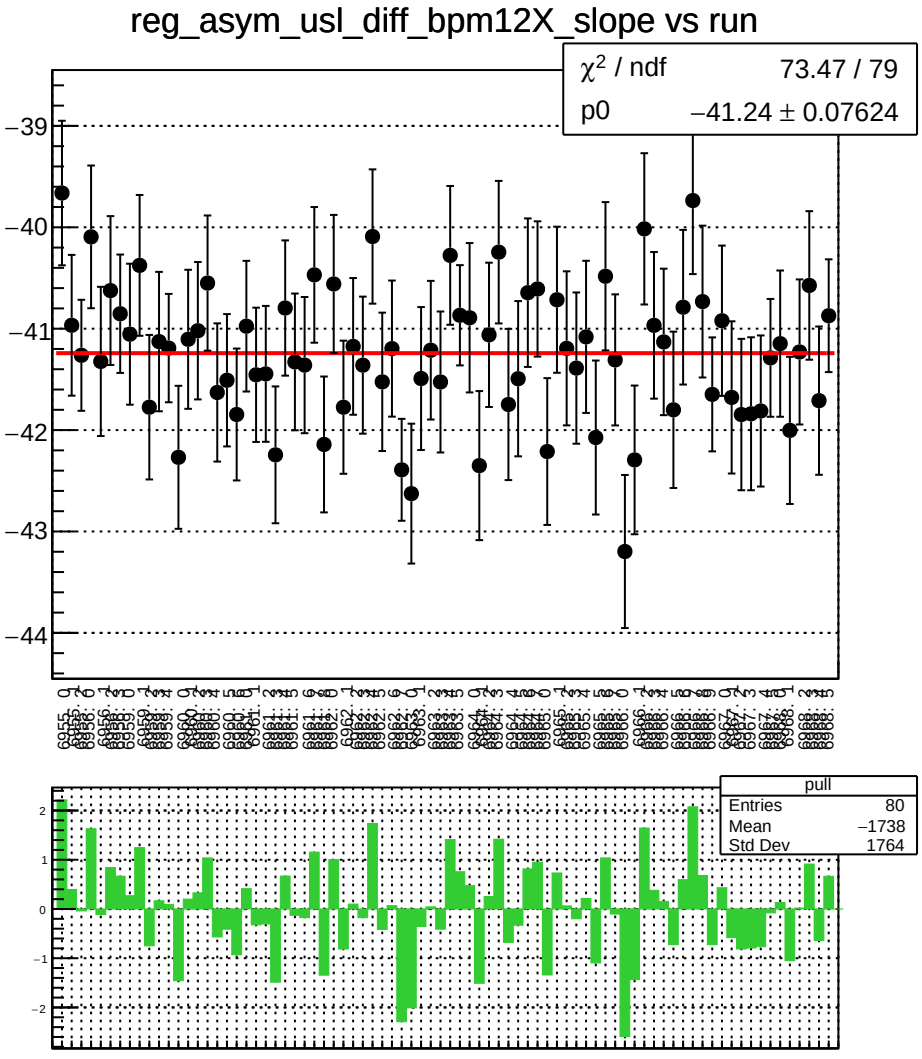

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 24.15 / 79
p0 −79.97 ± 2.504
pull
Entries 80
Mean −485.1
Std Dev 542.7
pull1D
Entries 80
Mean −0.0008457
Std Dev 0.5495

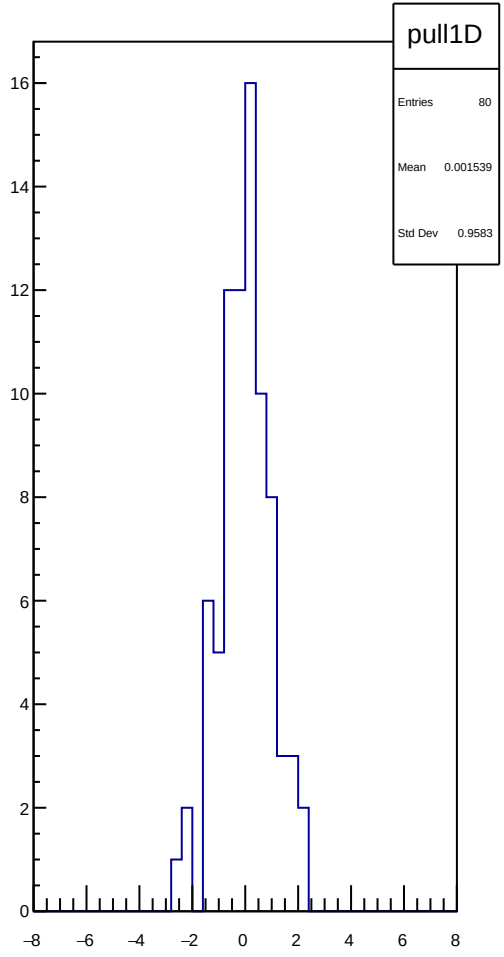

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.44 / 79
p0 3.49 ± 1.718
pull
Entries 80
Mean −162.3
Std Dev 195.9
pull1D
Entries 80
Mean 0.00821
Std Dev 0.5295

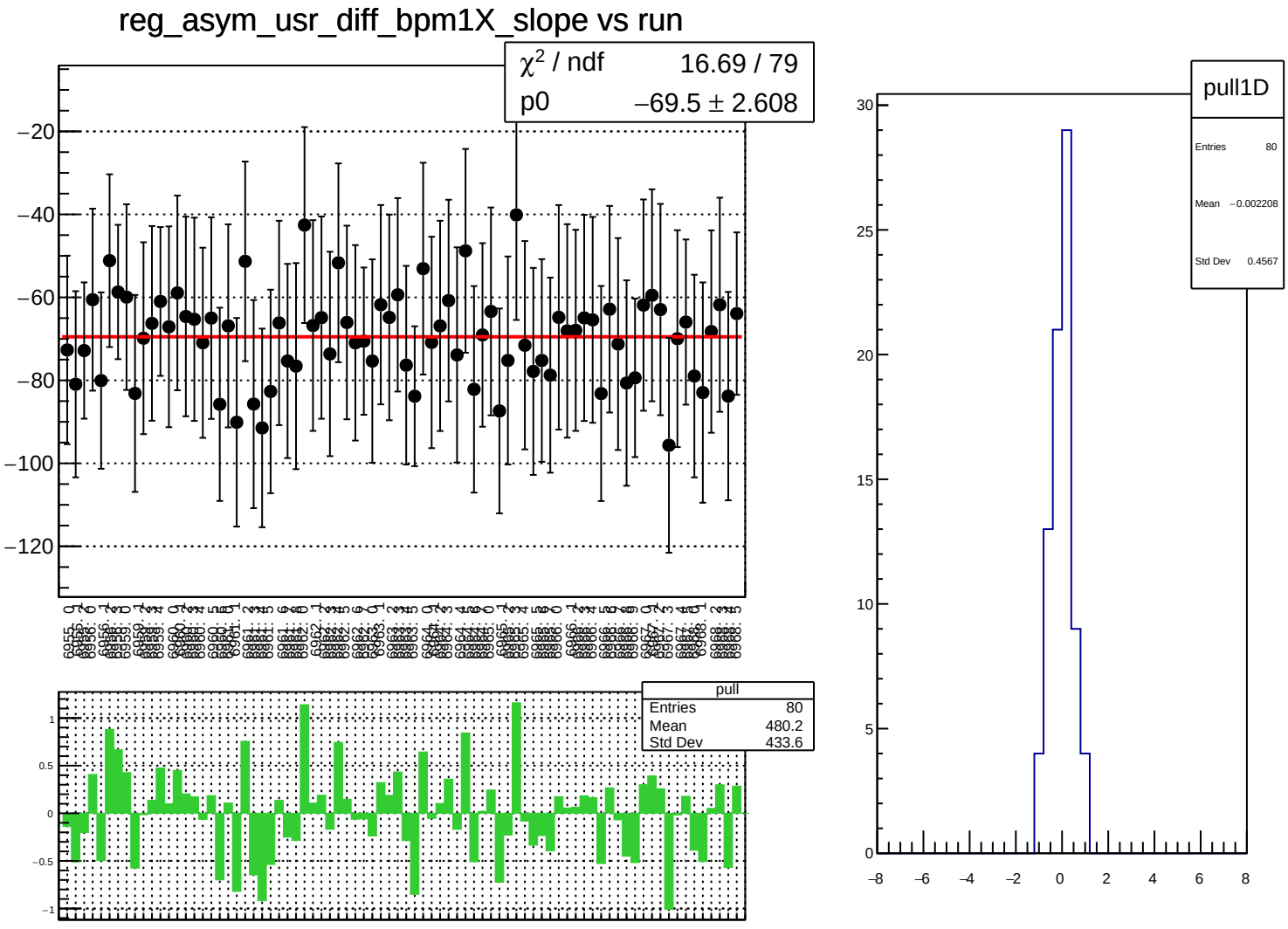

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 24.16 / 79
p0 15.33 ± 2.319
pull
Entries 80
Mean −196.3
Std Dev 257.7
pull1D
Entries 80
Mean 0.001413
Std Dev 0.5495

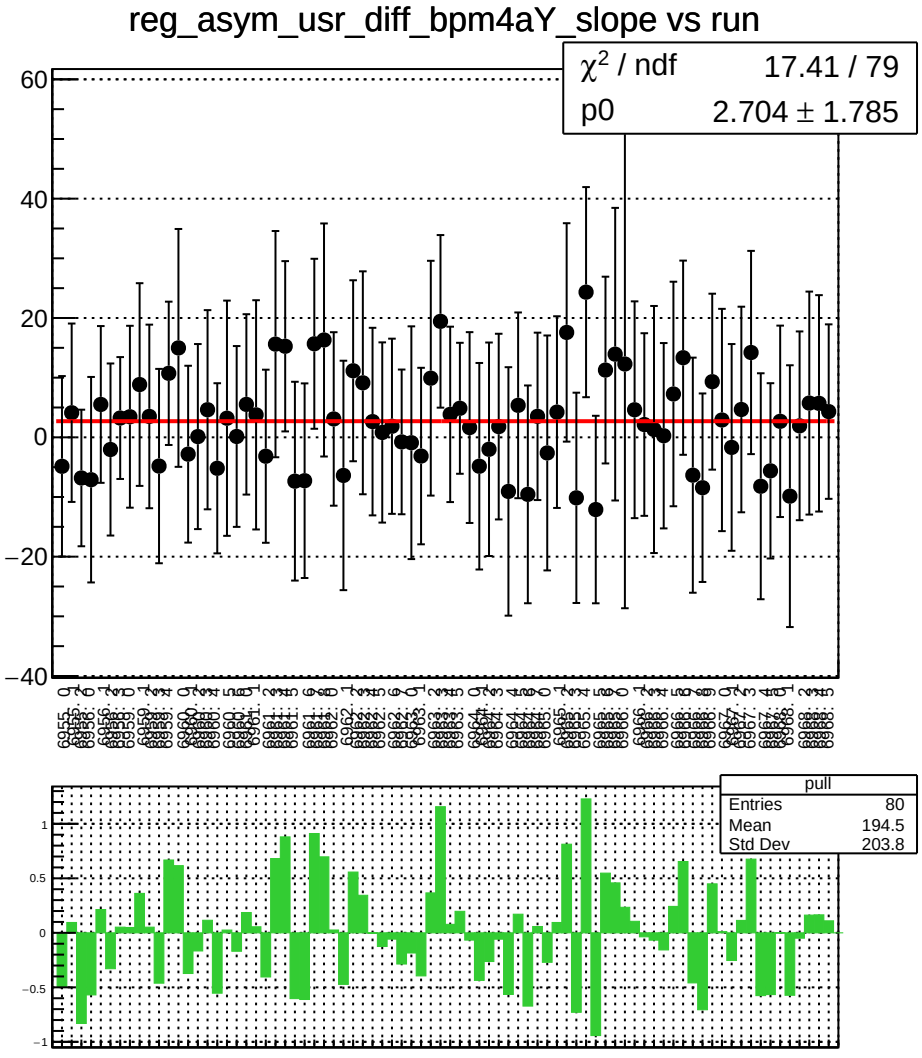

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 24.87 / 79
p0 17.4 ± 1.954
pull
Entries 80
Mean −683.8
Std Dev 720.5

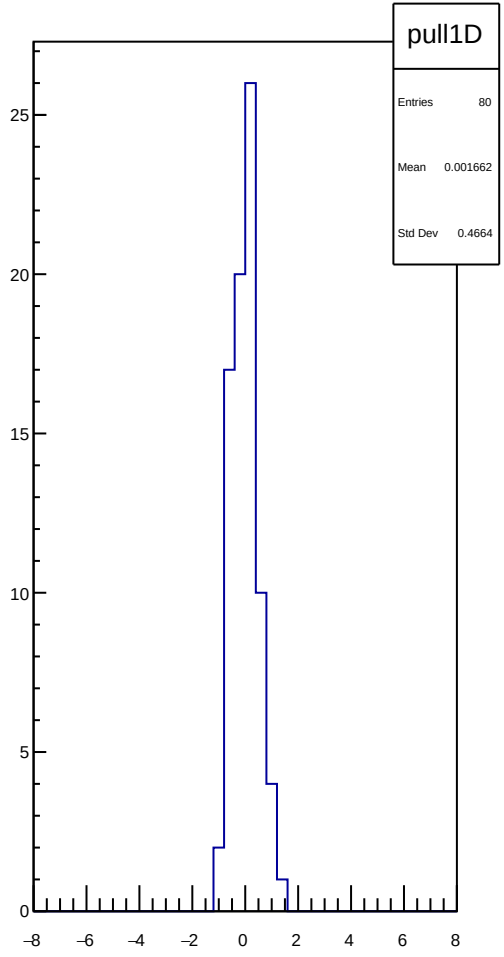

pull1D
Entries 80
Mean −0.002963
Std Dev 0.5575

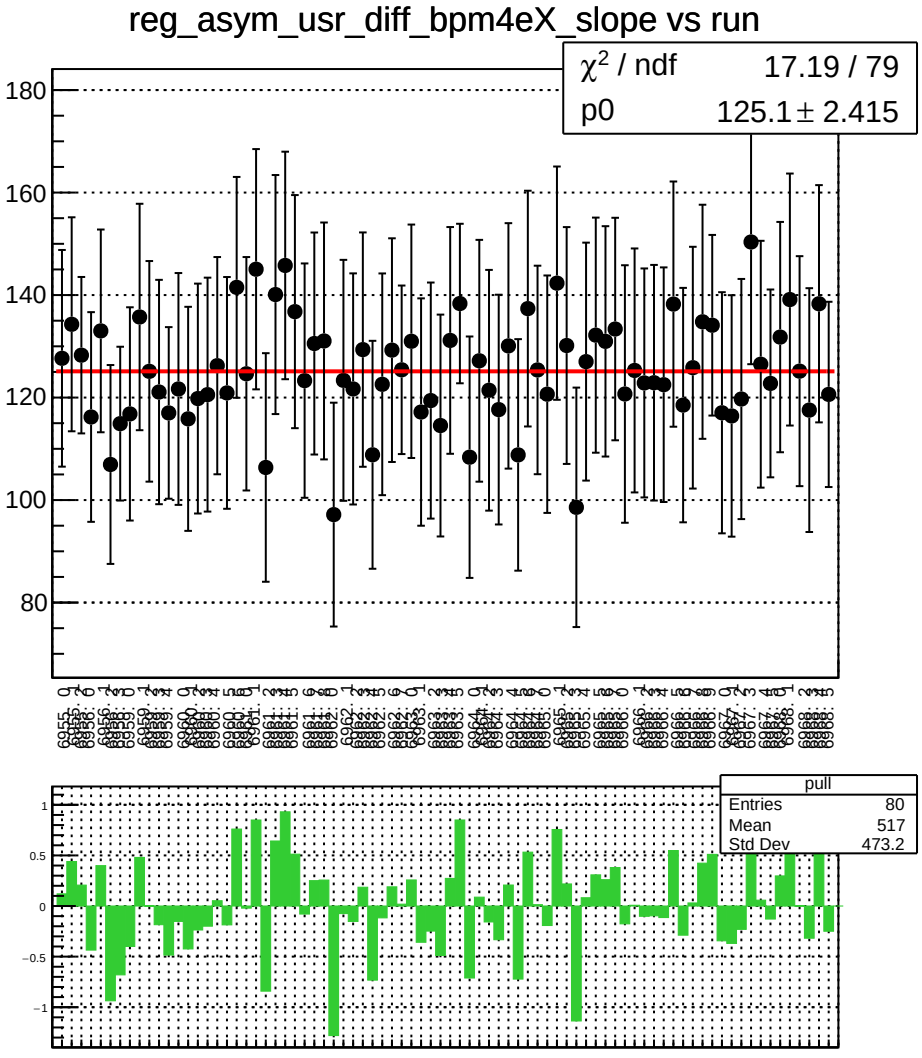

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 73.47 / 79
p0 −41.24 ± 0.07624
pull
Entries 80
Mean −1738
Std Dev 1764

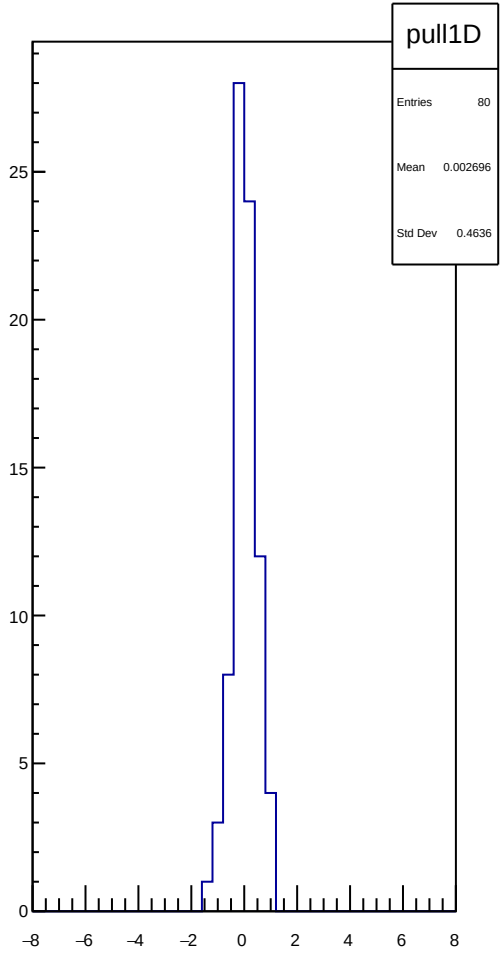

pull1D
Entries 80
Mean 0.001539
Std Dev 0.9583

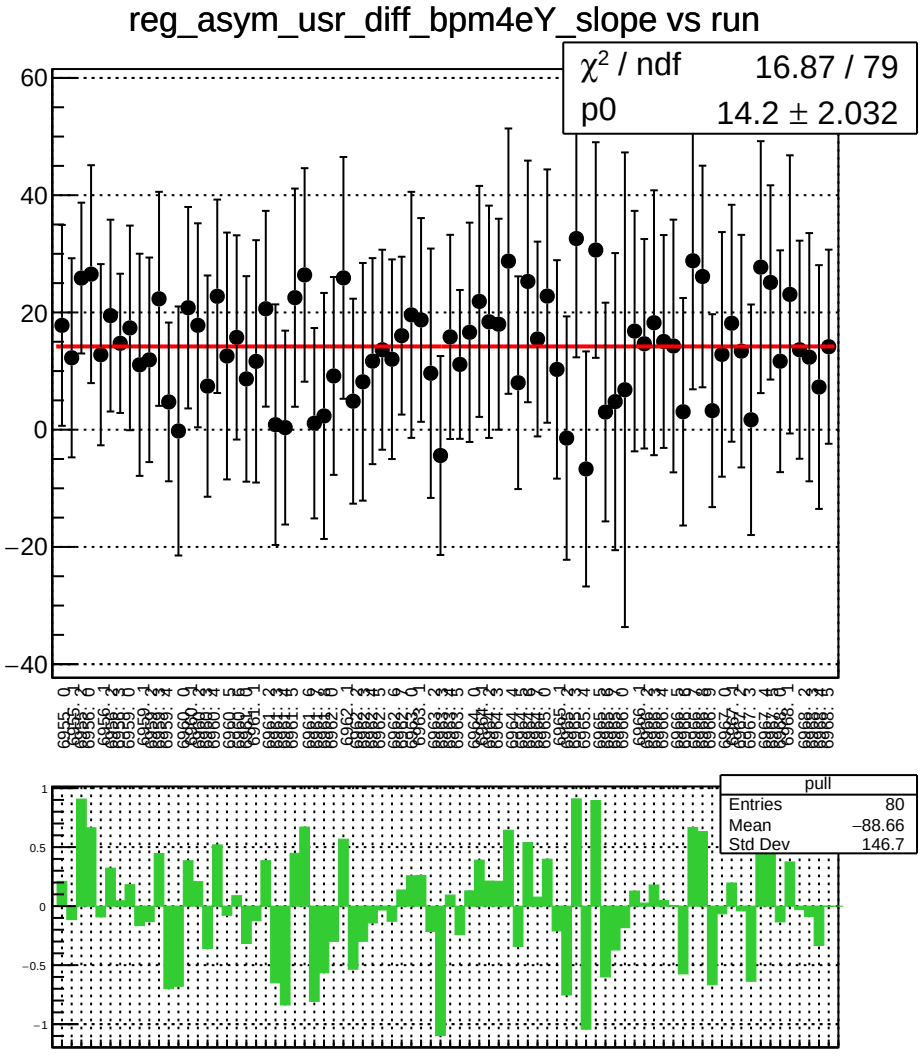

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 16.69 / 79
p0 −69.5 ± 2.608
pull
Entries 80
Mean 480.2
Std Dev 433.6
pull1D
Entries 80
Mean −0.002208
Std Dev 0.4567

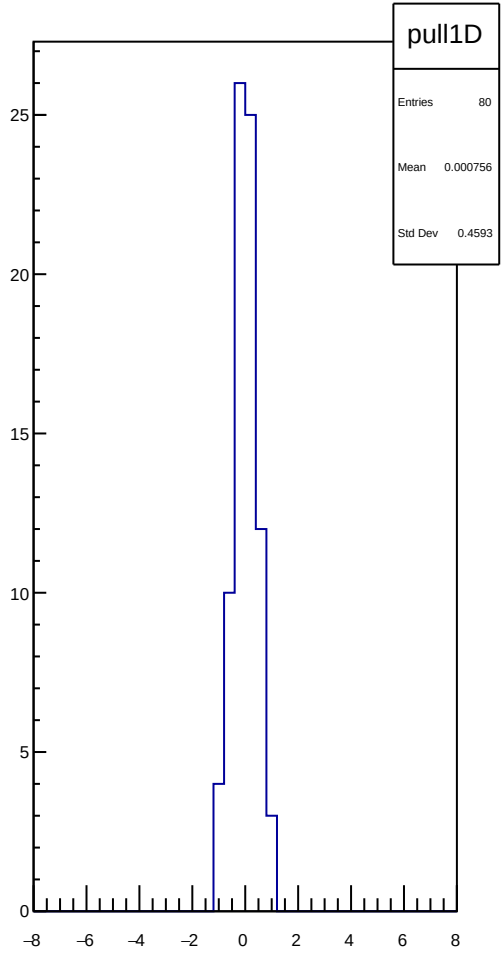

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 17.41 / 79
p0 2.704 ± 1.785
pull
Entries 80
Mean 194.5
Std Dev 203.8

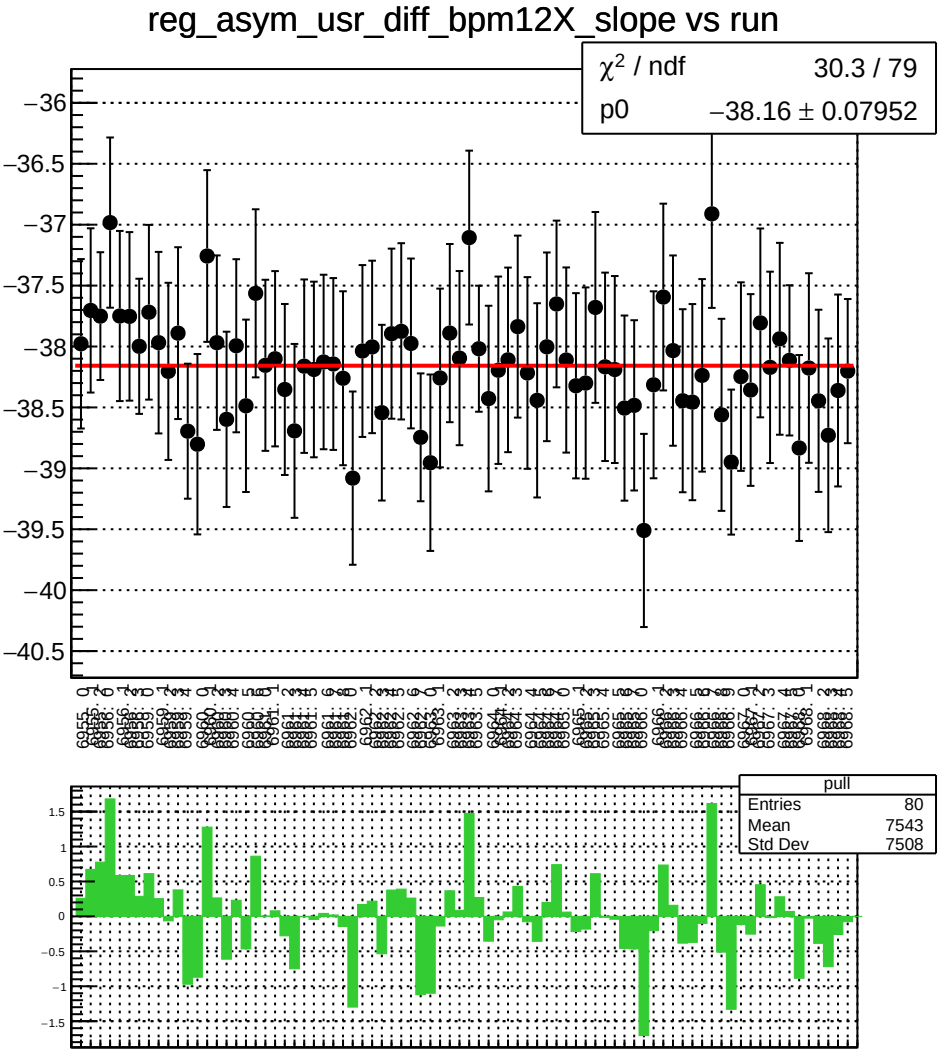

pull1D
Entries 80
Mean 0.001662
Std Dev 0.4664

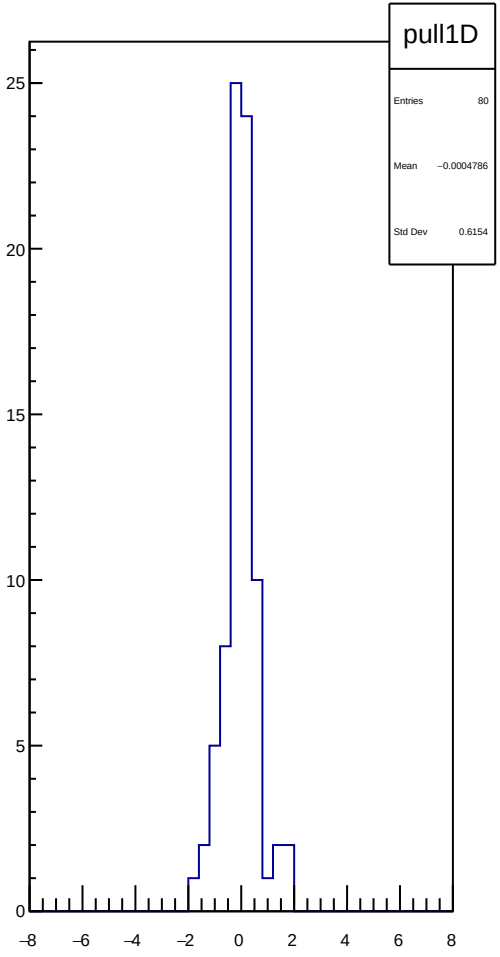

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 17.19 / 79
p0 125.1 ± 2.415
pull
Entries 80
Mean 517
Std Dev 473.2

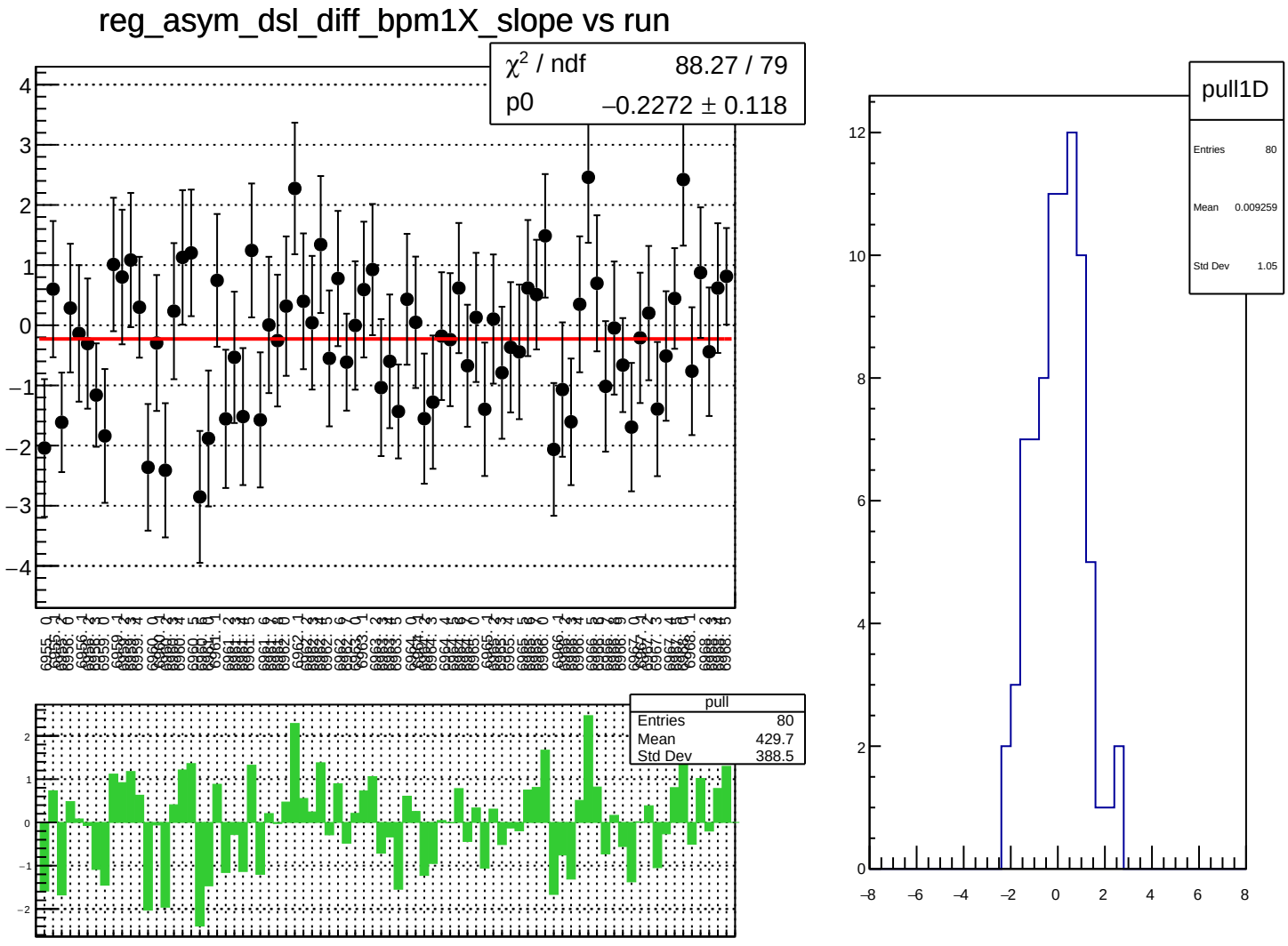

pull1D
Entries 80
Mean 0.002696
Std Dev 0.4636

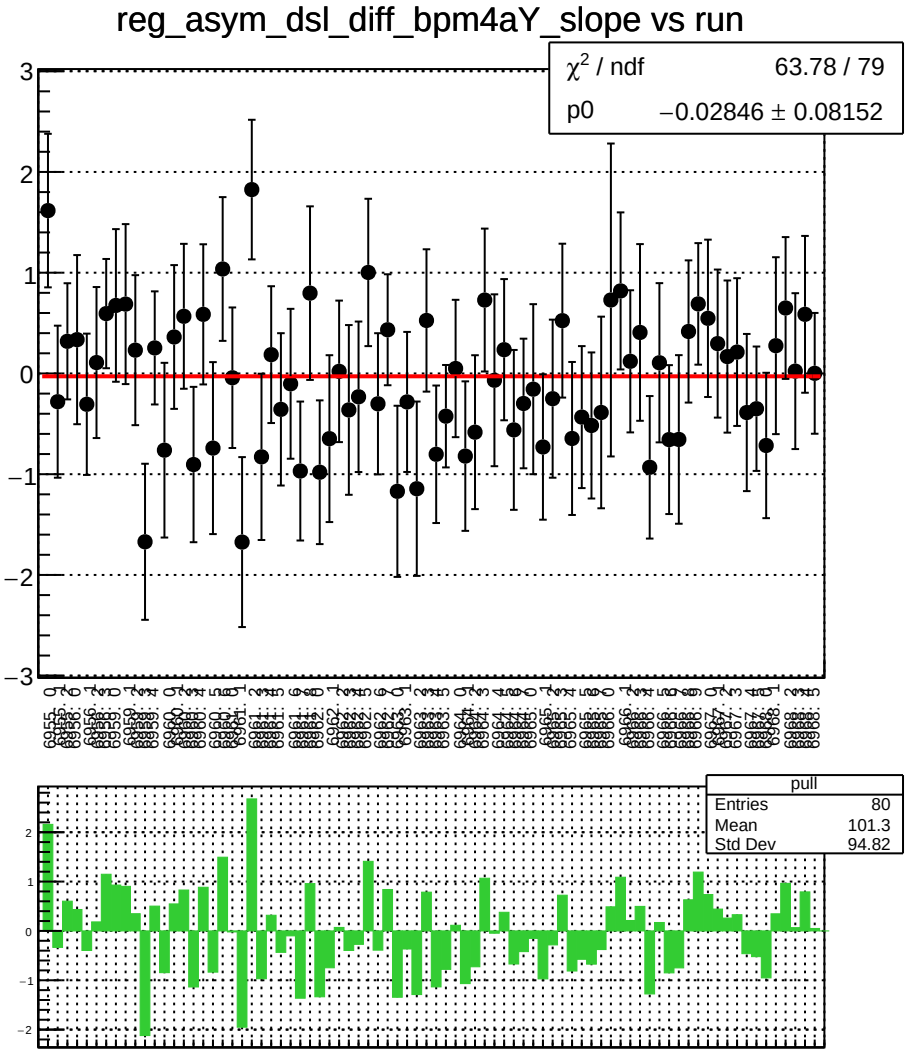

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 16.87 / 79
p0 14.2 ± 2.032
pull
Entries 80
Mean −88.66
Std Dev 146.7

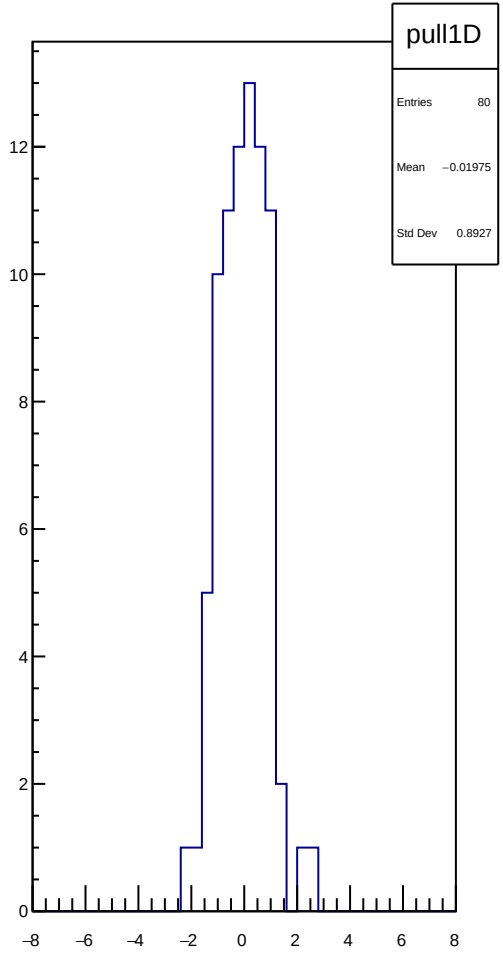

pull1D
Entries 80
Mean 0.000756
Std Dev 0.4593

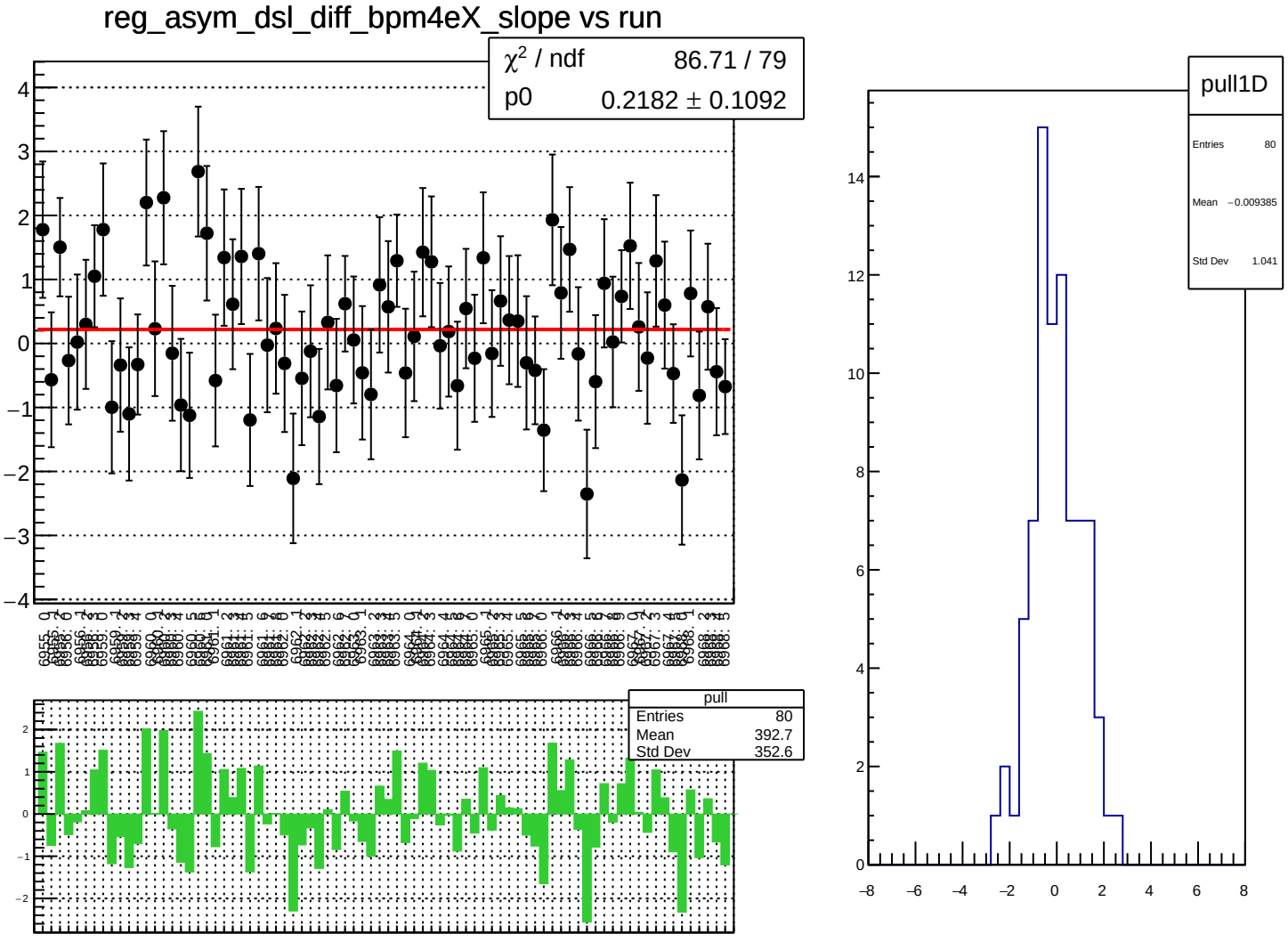

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 30.3 / 79
p0 −38.16 ± 0.07952
pull
Entries 80
Mean 7543
Std Dev 7508

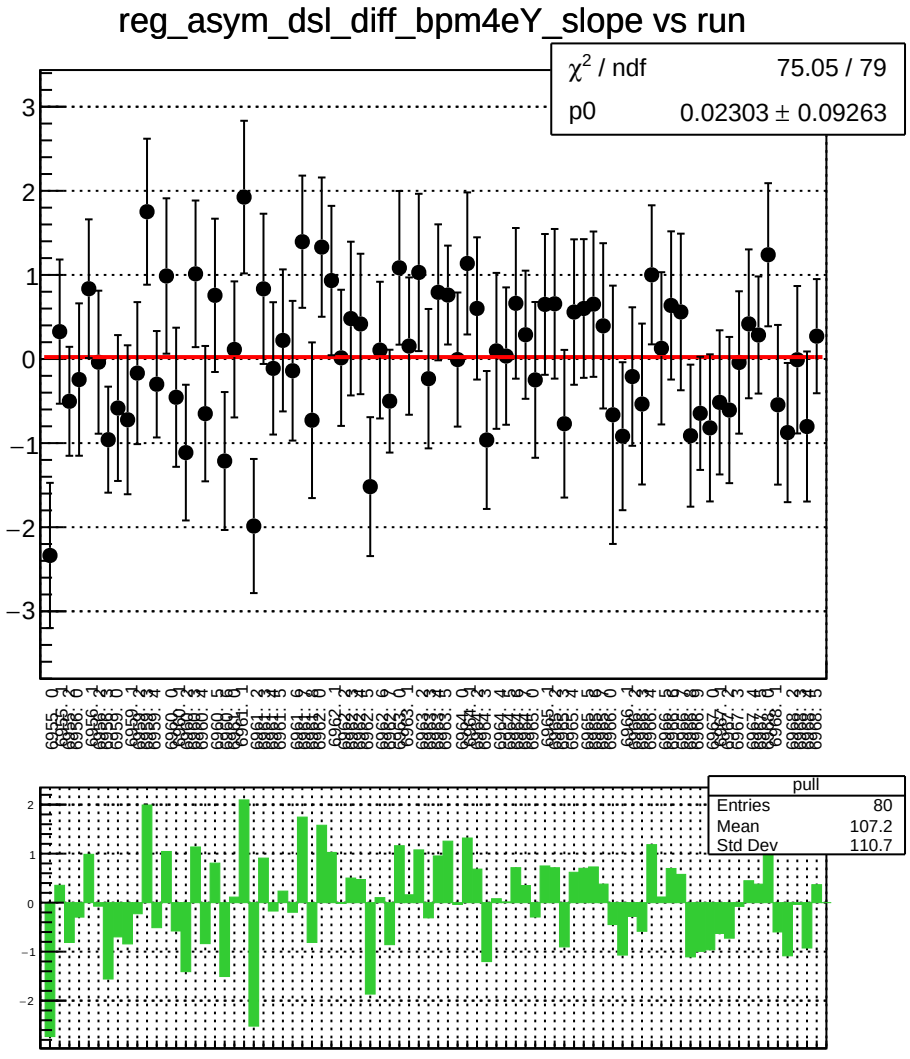

pull1D
Entries 80
Mean −0.0004786
Std Dev 0.6154

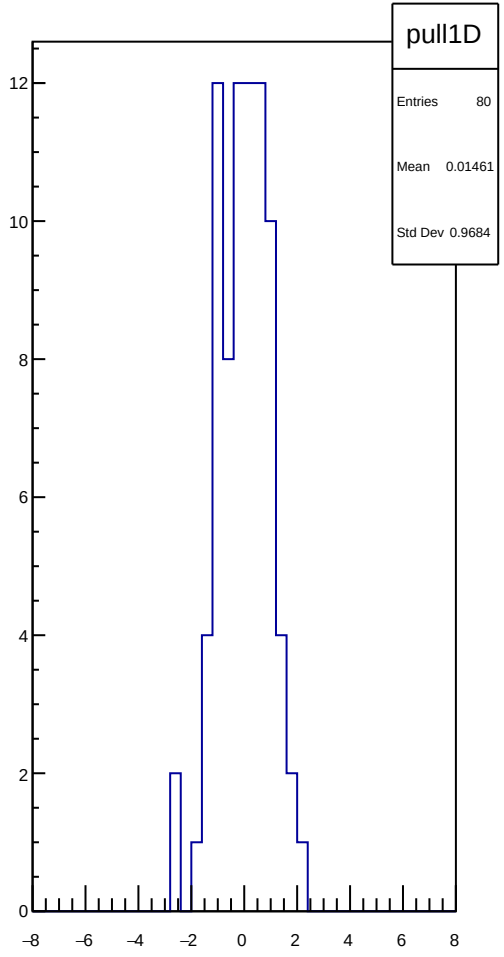

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 88.27 / 79
p0 −0.2272 ± 0.118
pull
Entries 80
Mean 429.7
Std Dev 388.5
pull1D
Entries 80
Mean 0.009259
Std Dev 1.05

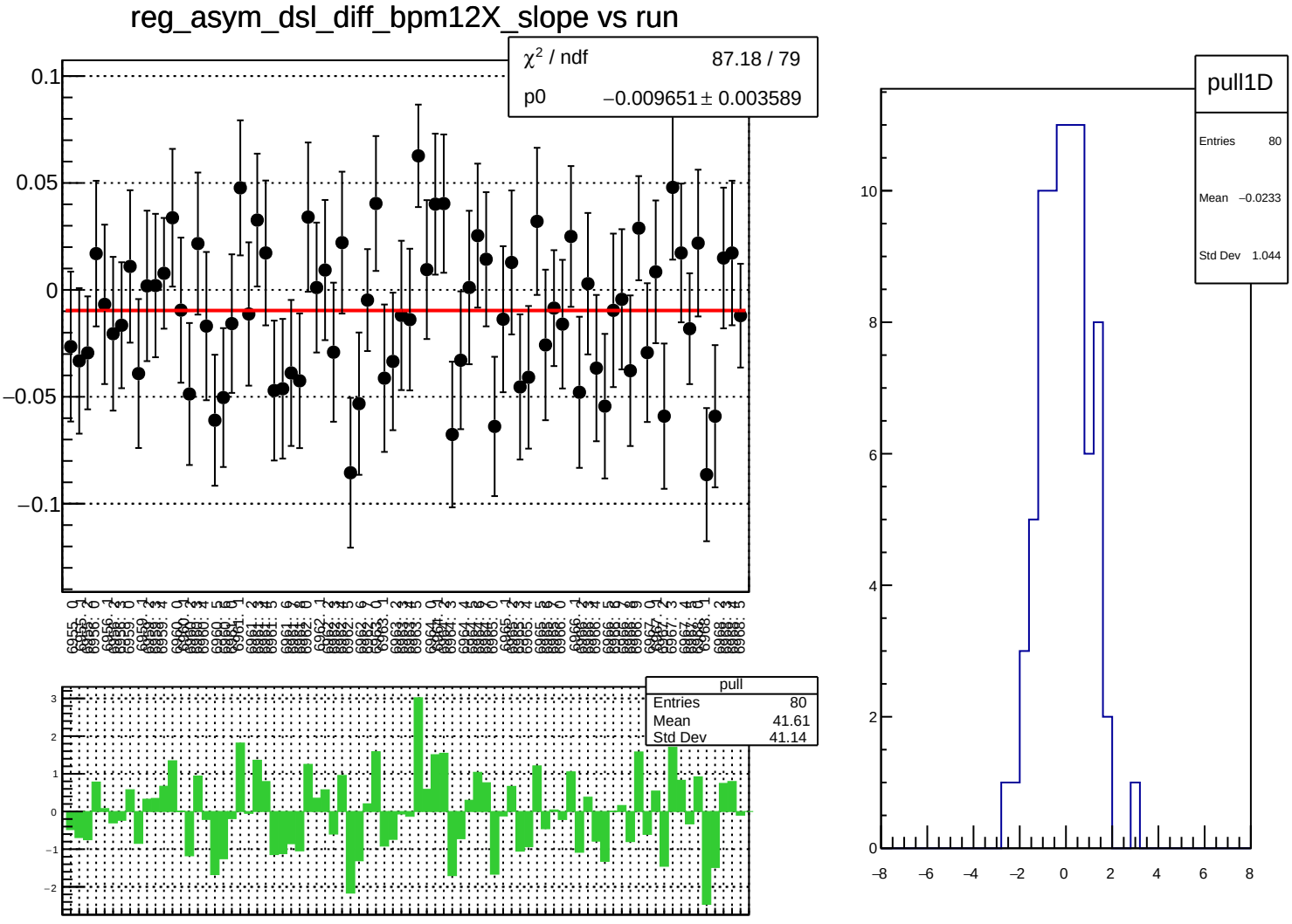

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 63.78 / 79
p0 −0.02846 ± 0.08152
pull
Entries 80
Mean 101.3
Std Dev 94.82

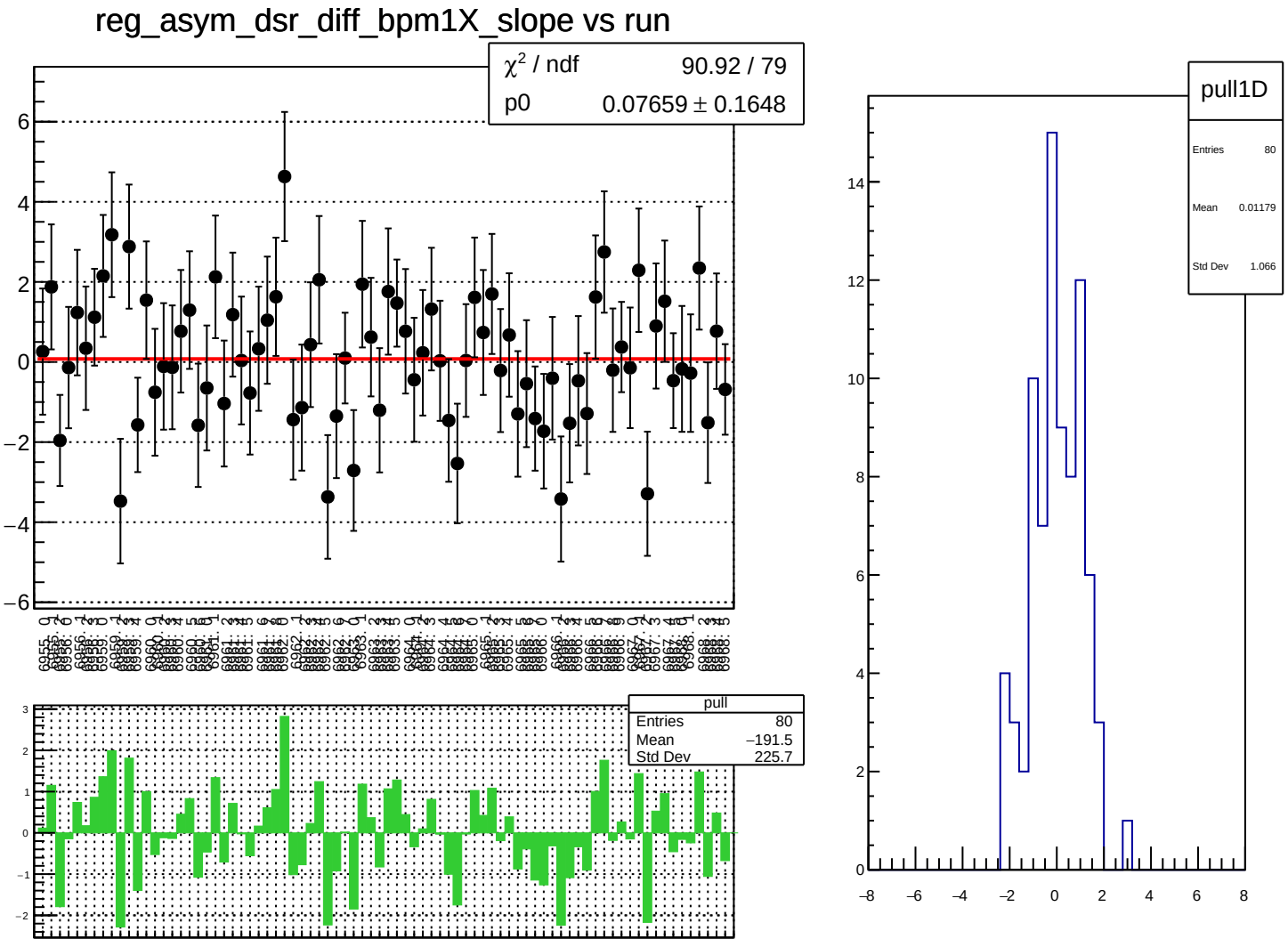

pull1D
Entries 80
Mean −0.01975
Std Dev 0.8927

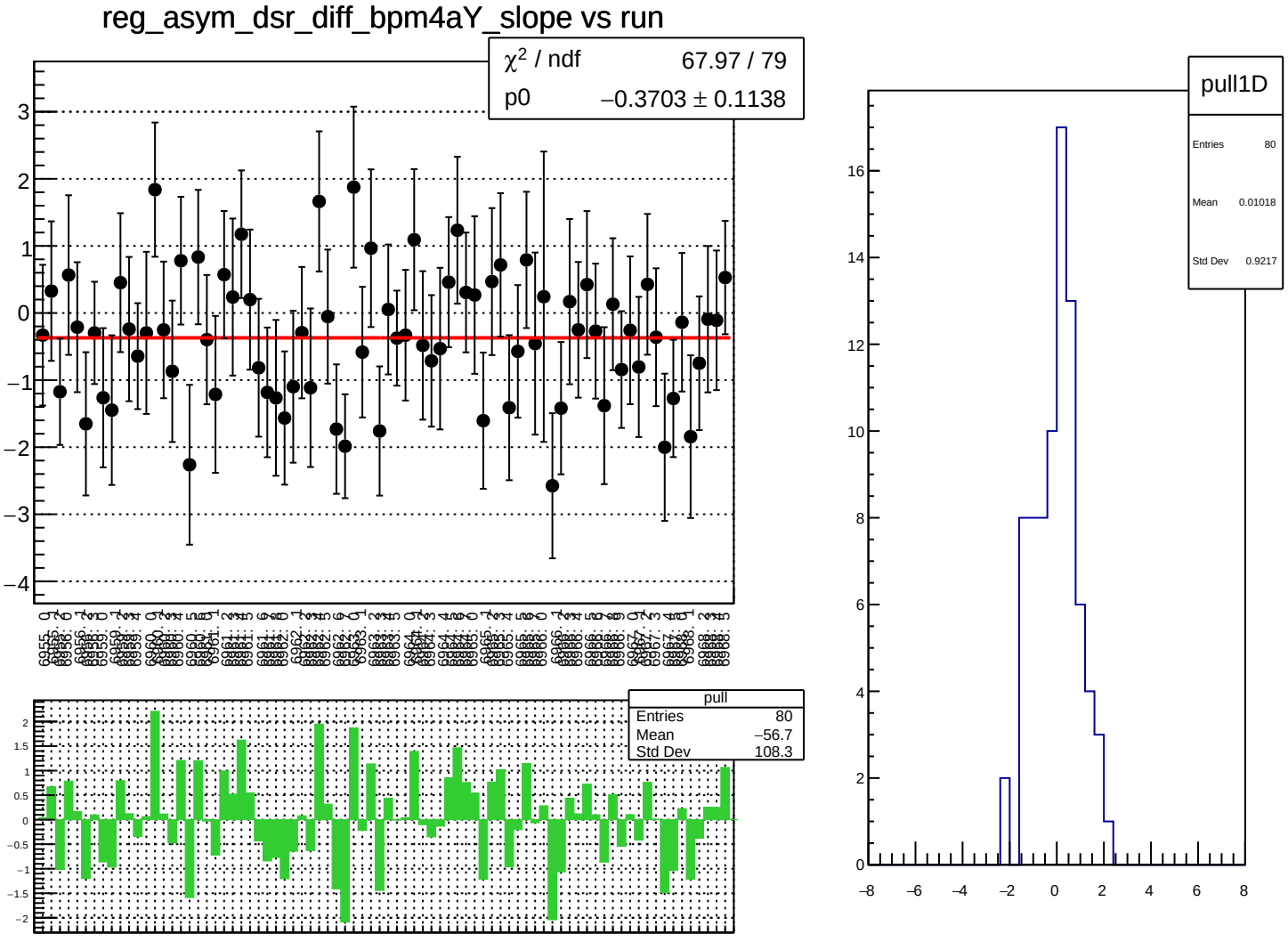

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 86.71 / 79
p0 0.2182 ± 0.1092
pull
Entries 80
Mean 392.7
Std Dev 352.6
pull1D
Entries 80
Mean −0.009385
Std Dev 1.041

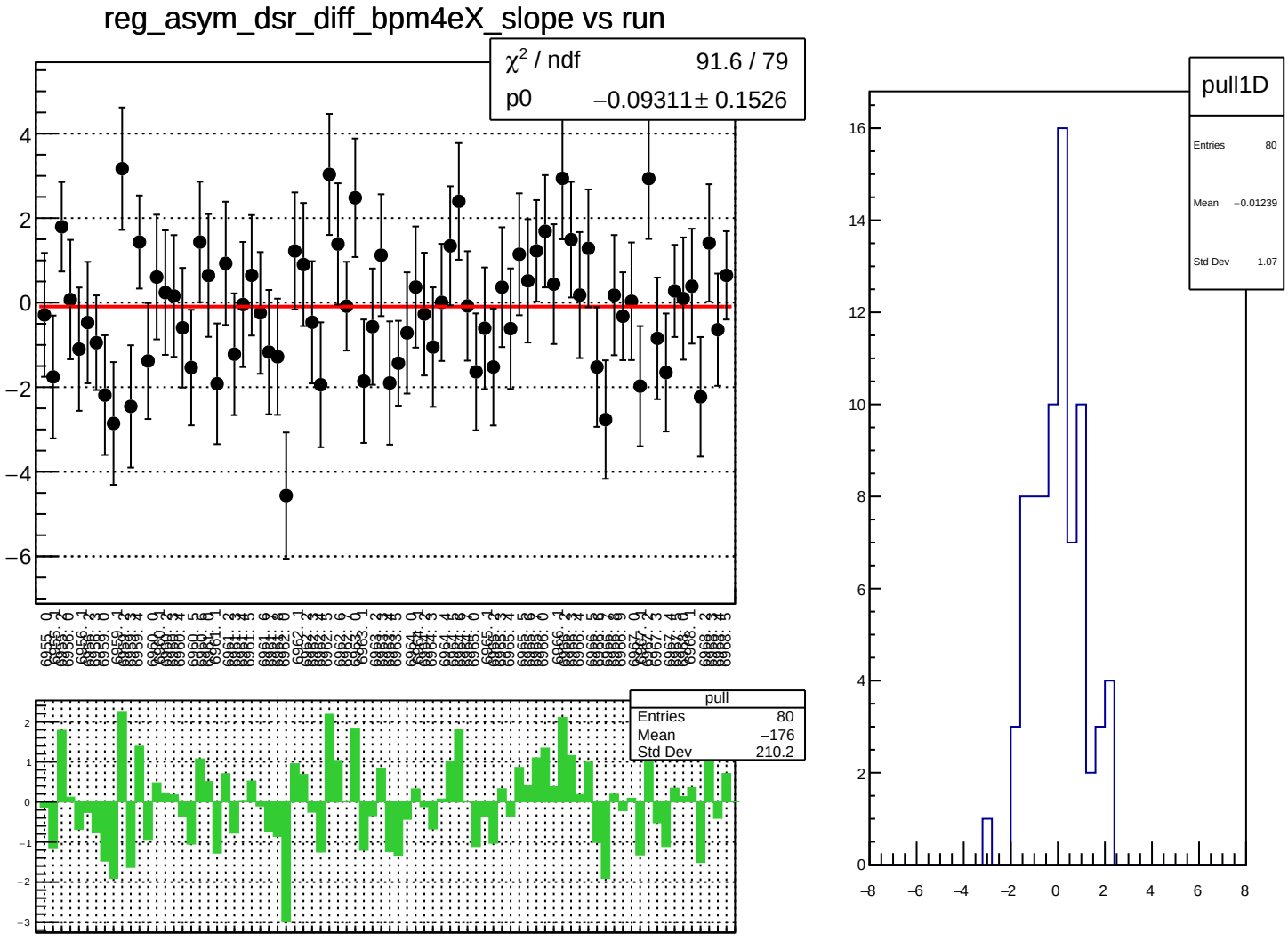

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 75.05 / 79
p0 0.02303 ± 0.09263
pull
Entries 80
Mean 107.2
Std Dev 110.7

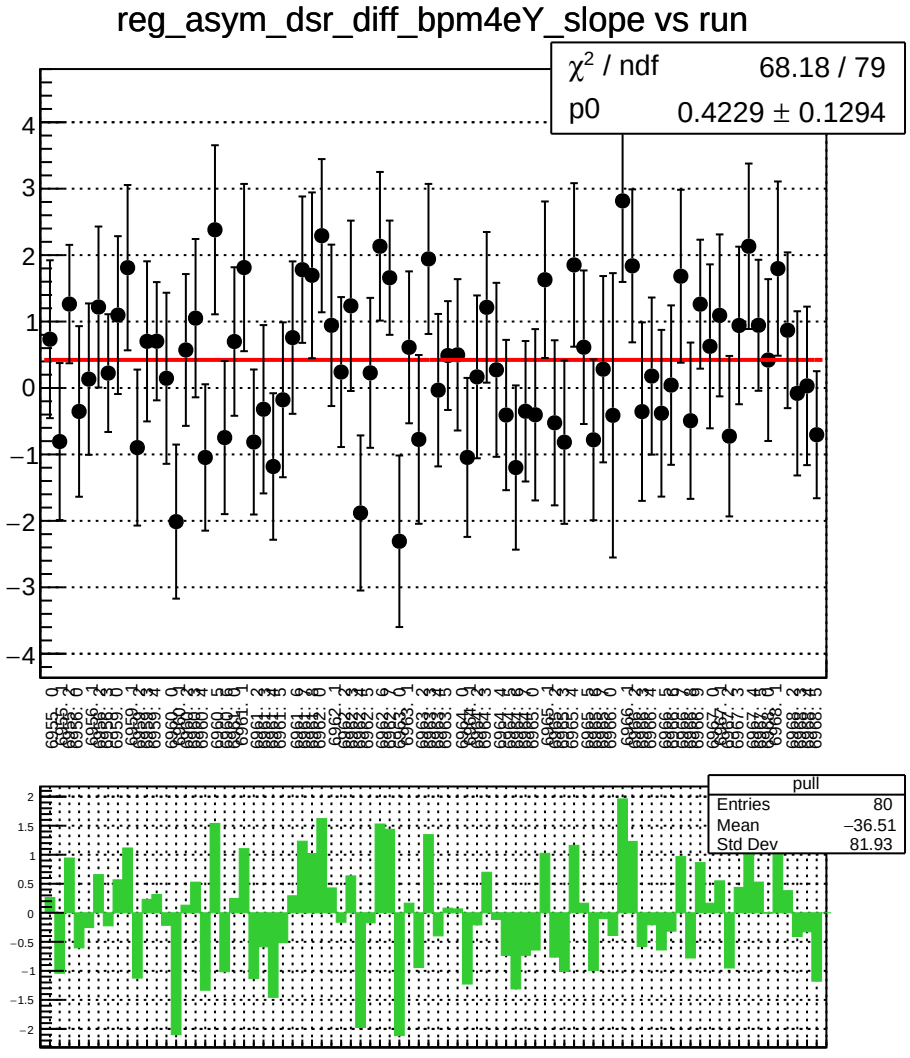

pull1D
Entries 80
Mean 0.01461
Std Dev 0.9684

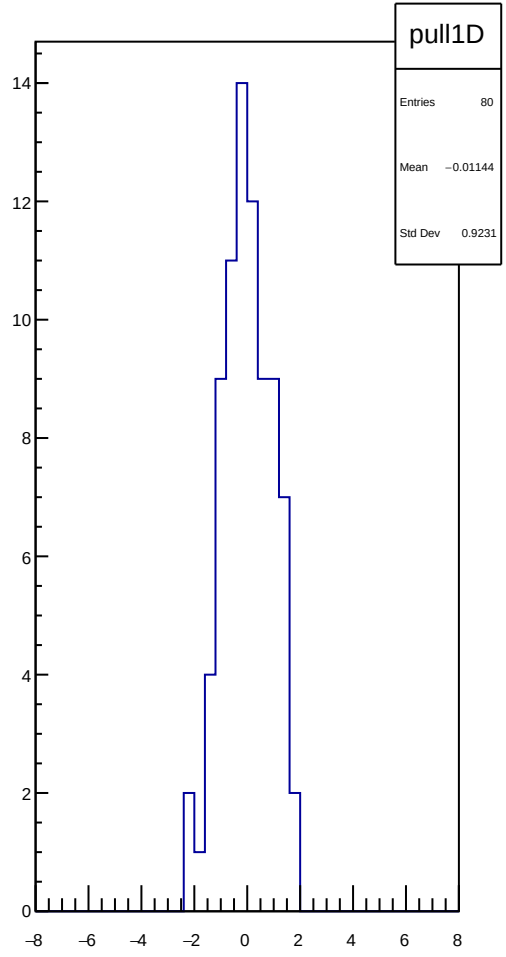

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 87.18 / 79
p0 −0.009651 ± 0.003589
pull
Entries 80
Mean 41.61
Std Dev 41.14
pull1D
Entries 80
Mean −0.0233
Std Dev 1.044

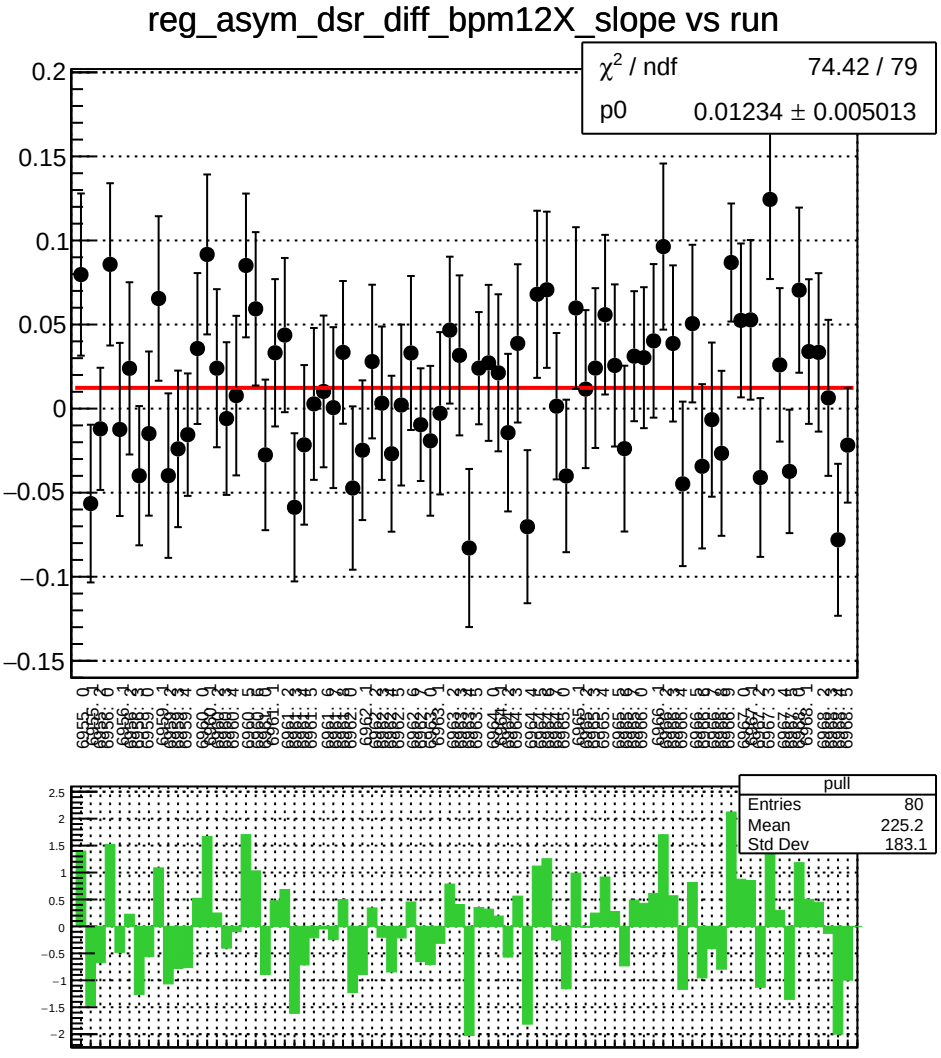

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 90.92 / 79
p0 0.07659 ± 0.1648
pull
Entries 80
Mean −191.5
Std Dev 225.7
pull1D
Entries 80
Mean 0.01179
Std Dev 1.066

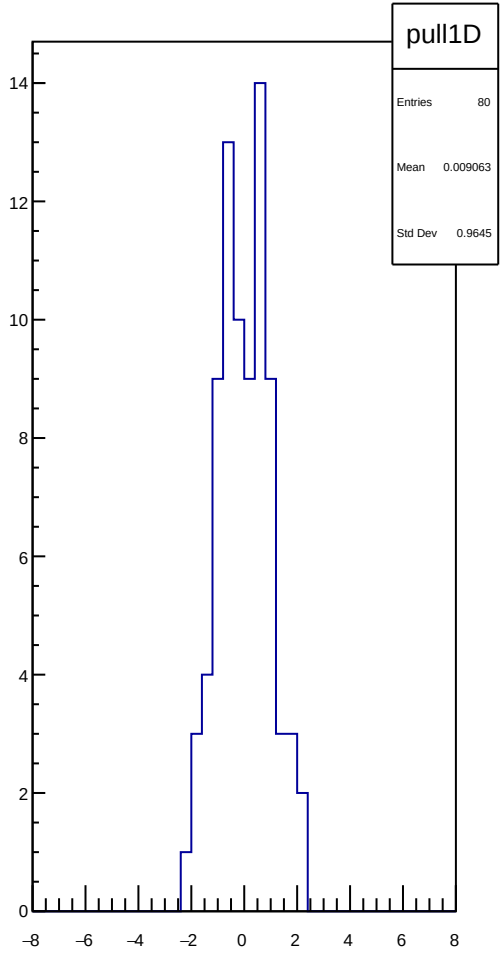

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 67.97 / 79
p0 −0.3703 ± 0.1138
pull
Entries 80
Mean −56.7
Std Dev 108.3
pull1D
Entries 80
Mean 0.01018
Std Dev 0.9217

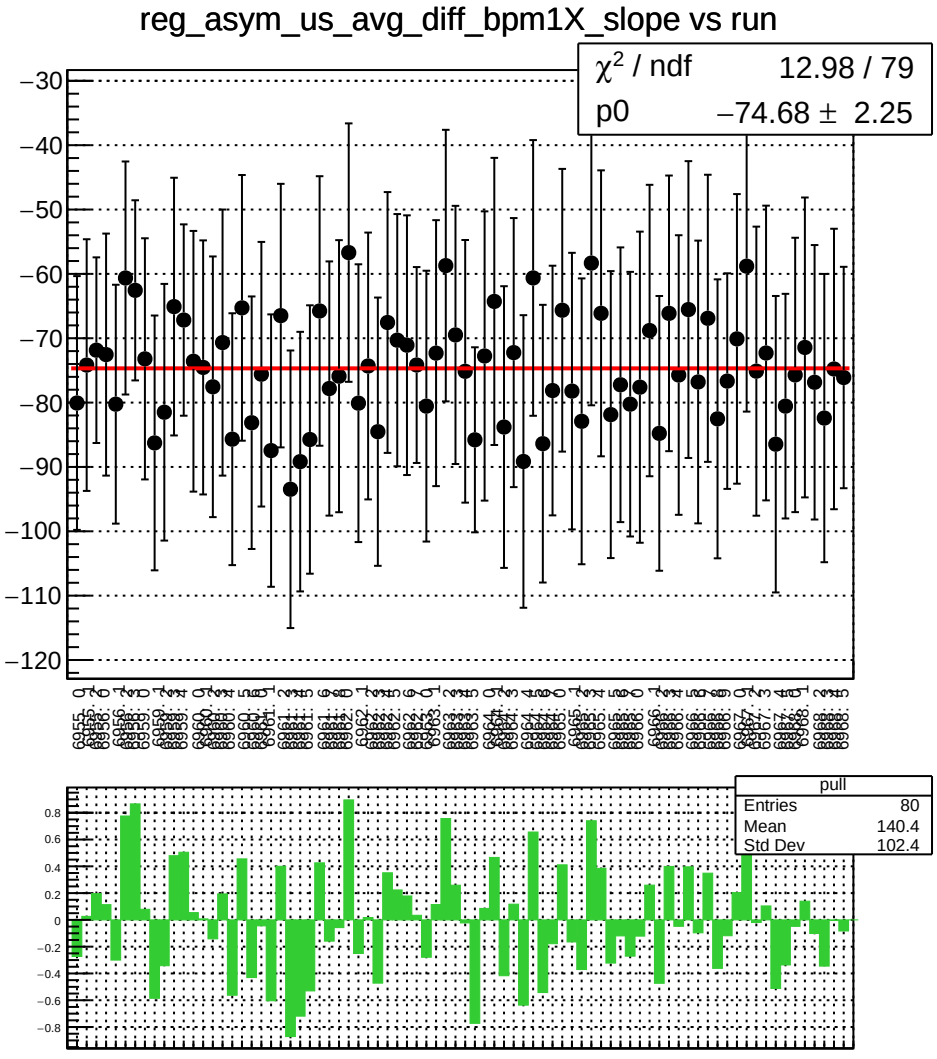

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 91.6 / 79
p0 −0.09311 ± 0.1526
pull
Entries 80
Mean −176
Std Dev 210.2
pull1D
Entries 80
Mean −0.01239
Std Dev 1.07

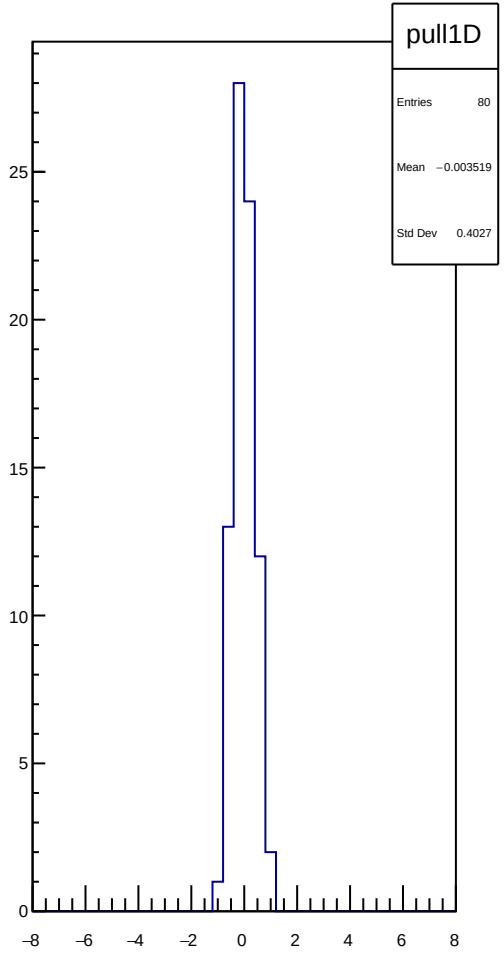

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 68.18 / 79
p0 0.4229 ± 0.1294
pull
Entries 80
Mean −36.51
Std Dev 81.93

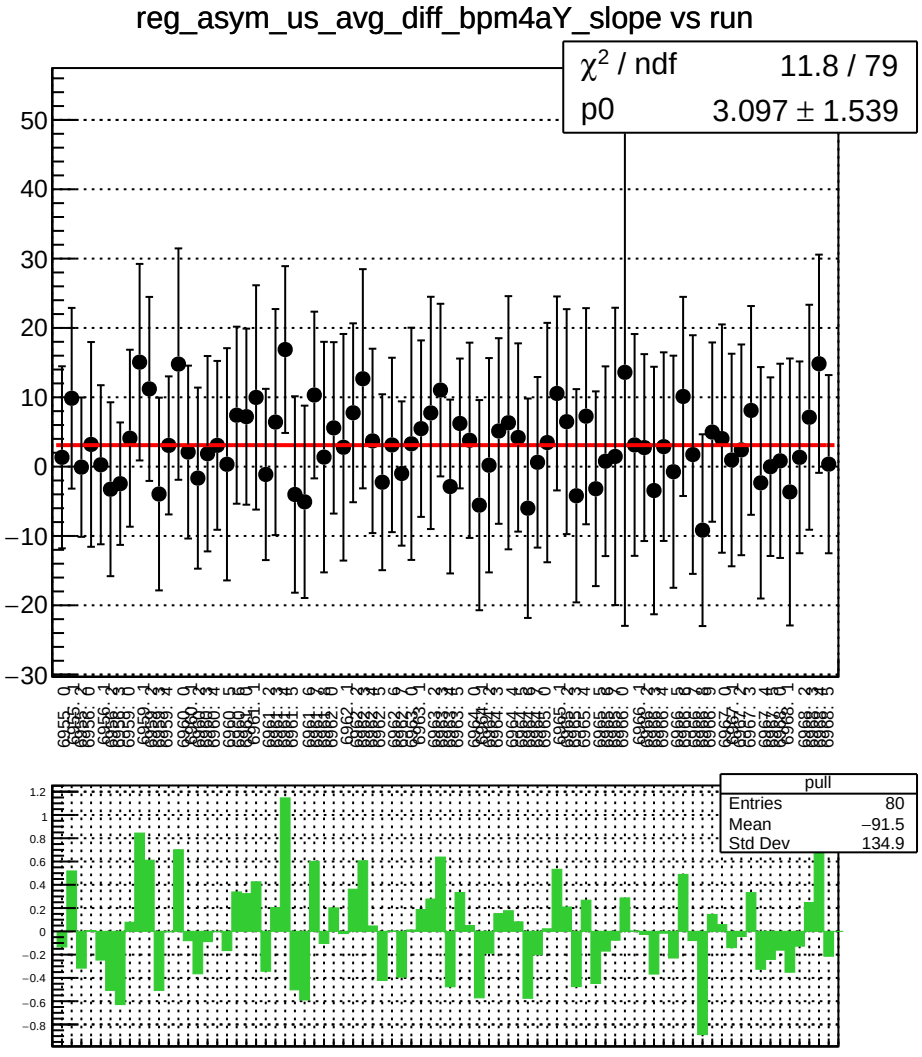

pull1D
Entries 80
Mean −0.01144
Std Dev 0.9231

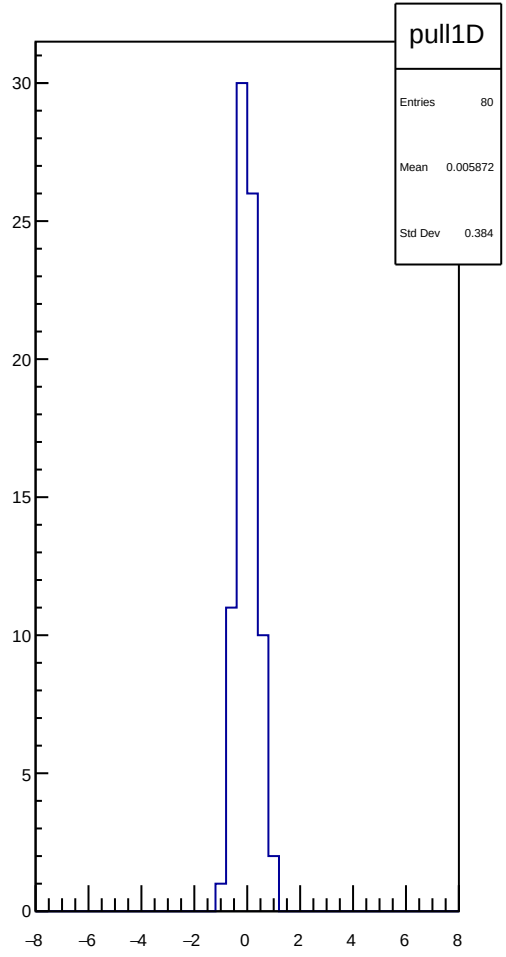

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 74.42 / 79
p0 0.01234 ± 0.005013
pull
Entries 80
Mean 225.2
Std Dev 183.1

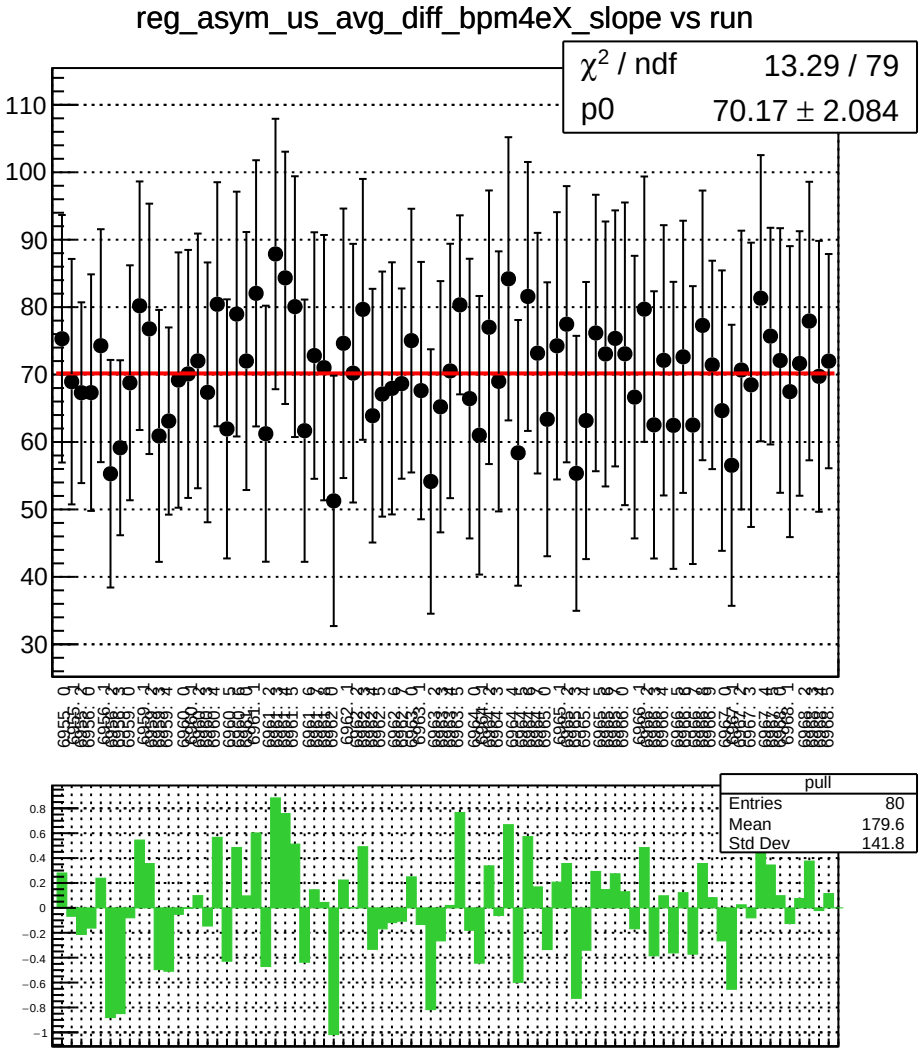

pull1D
Entries 80
Mean 0.009063
Std Dev 0.9645

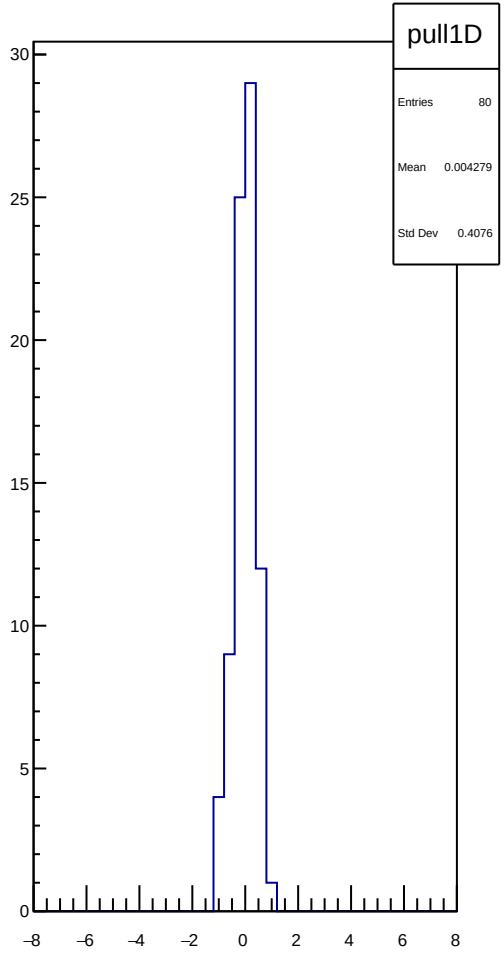

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.98 / 79
p0 −74.68 ± 2.25
pull
Entries 80
Mean 140.4
Std Dev 102.4

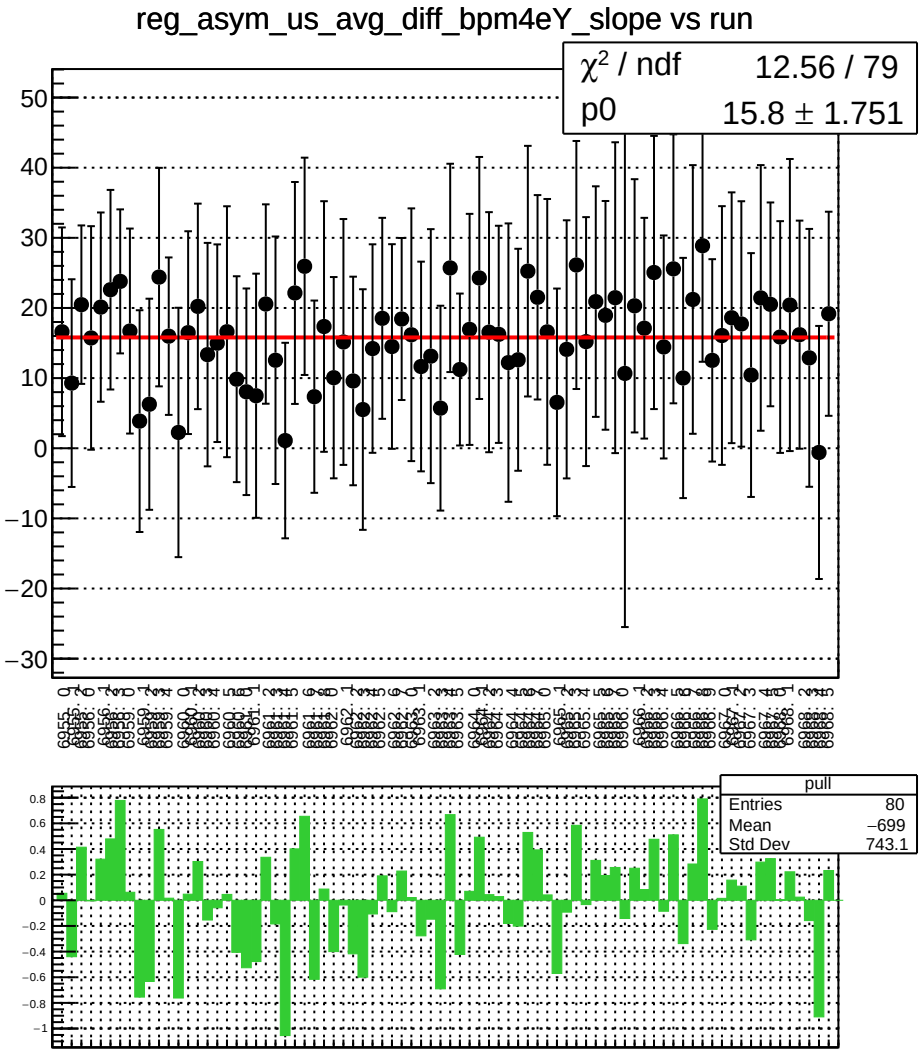

pull1D
Entries 80
Mean −0.003519
Std Dev 0.4027

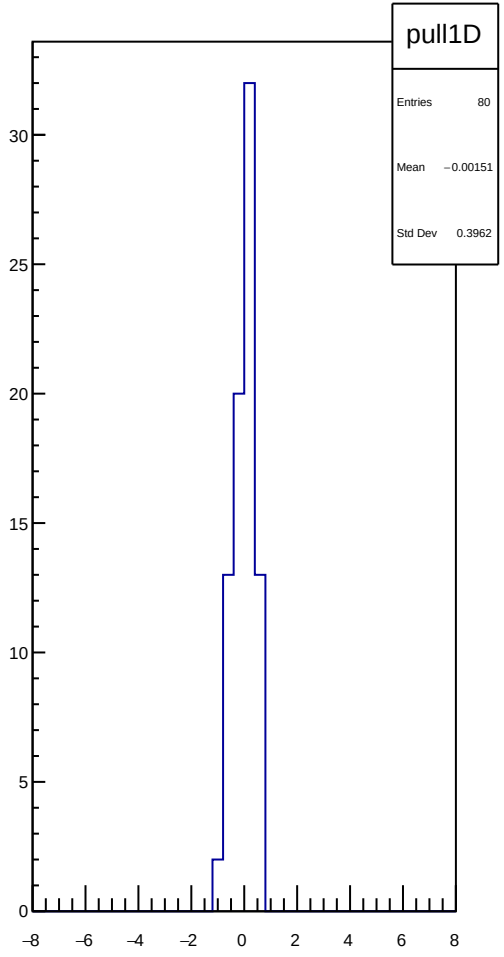

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.8 / 79
p0 3.097 ± 1.539
pull
Entries 80
Mean −91.5
Std Dev 134.9

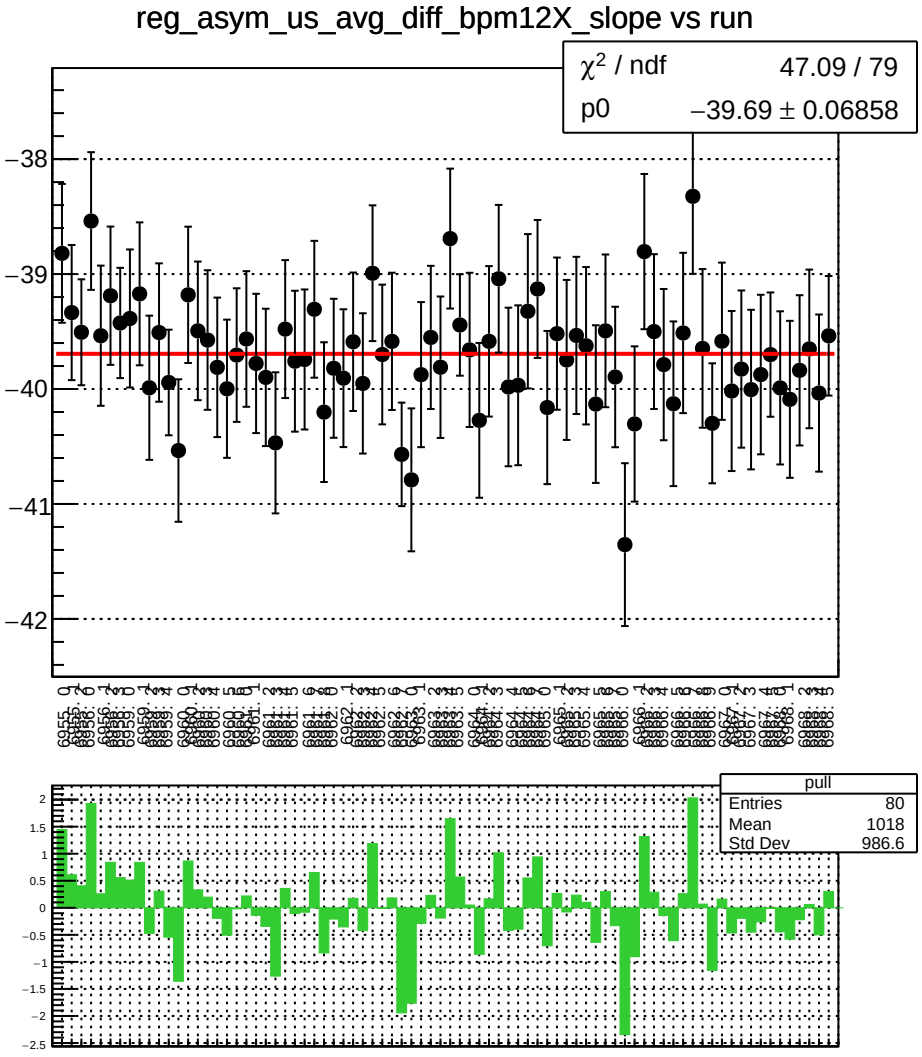

pull1D
Entries 80
Mean 0.005872
Std Dev 0.384

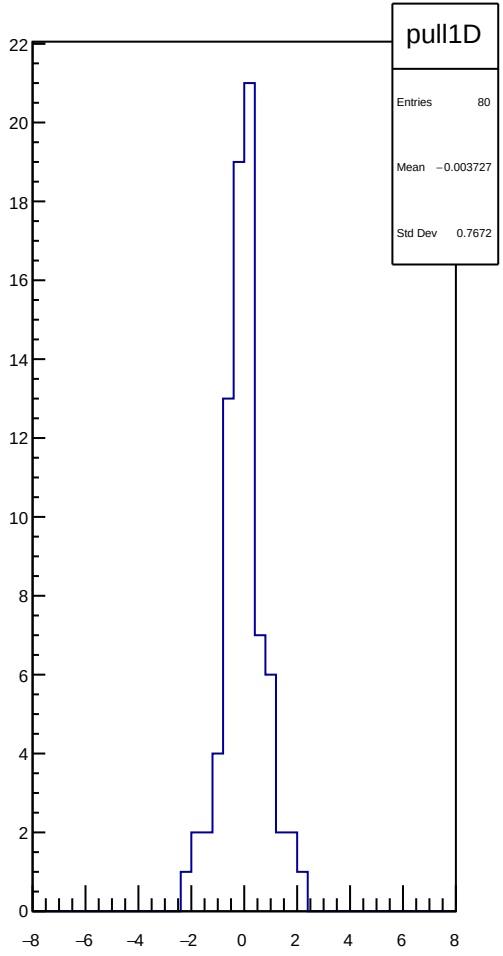

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 13.29 / 79
p0 70.17 ± 2.084
pull
Entries 80
Mean 179.6
Std Dev 141.8

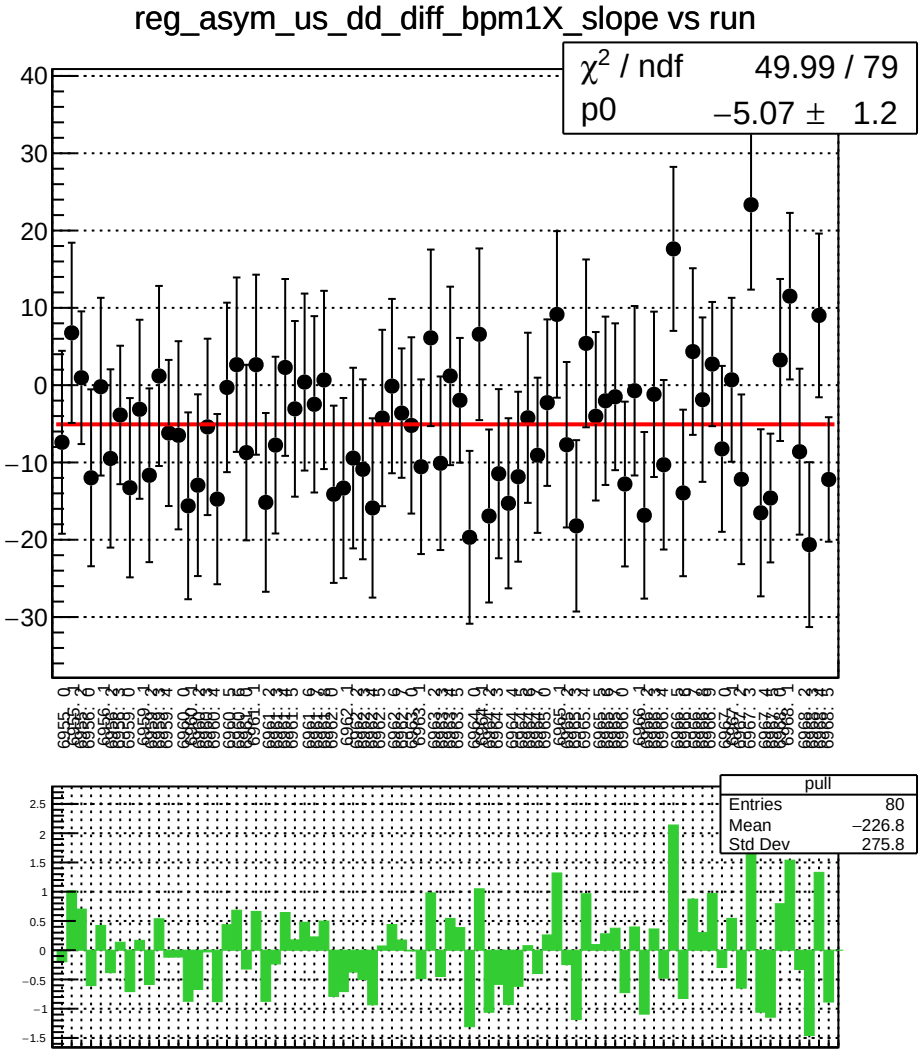

pull1D
Entries 80
Mean 0.004279
Std Dev 0.4076

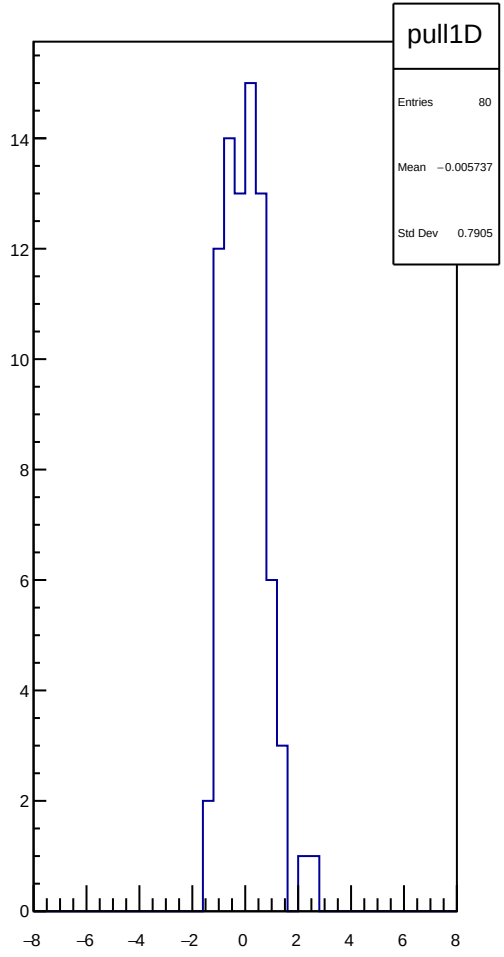

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.56 / 79
p0 15.8 ± 1.751
pull
Entries 80
Mean −699
Std Dev 743.1

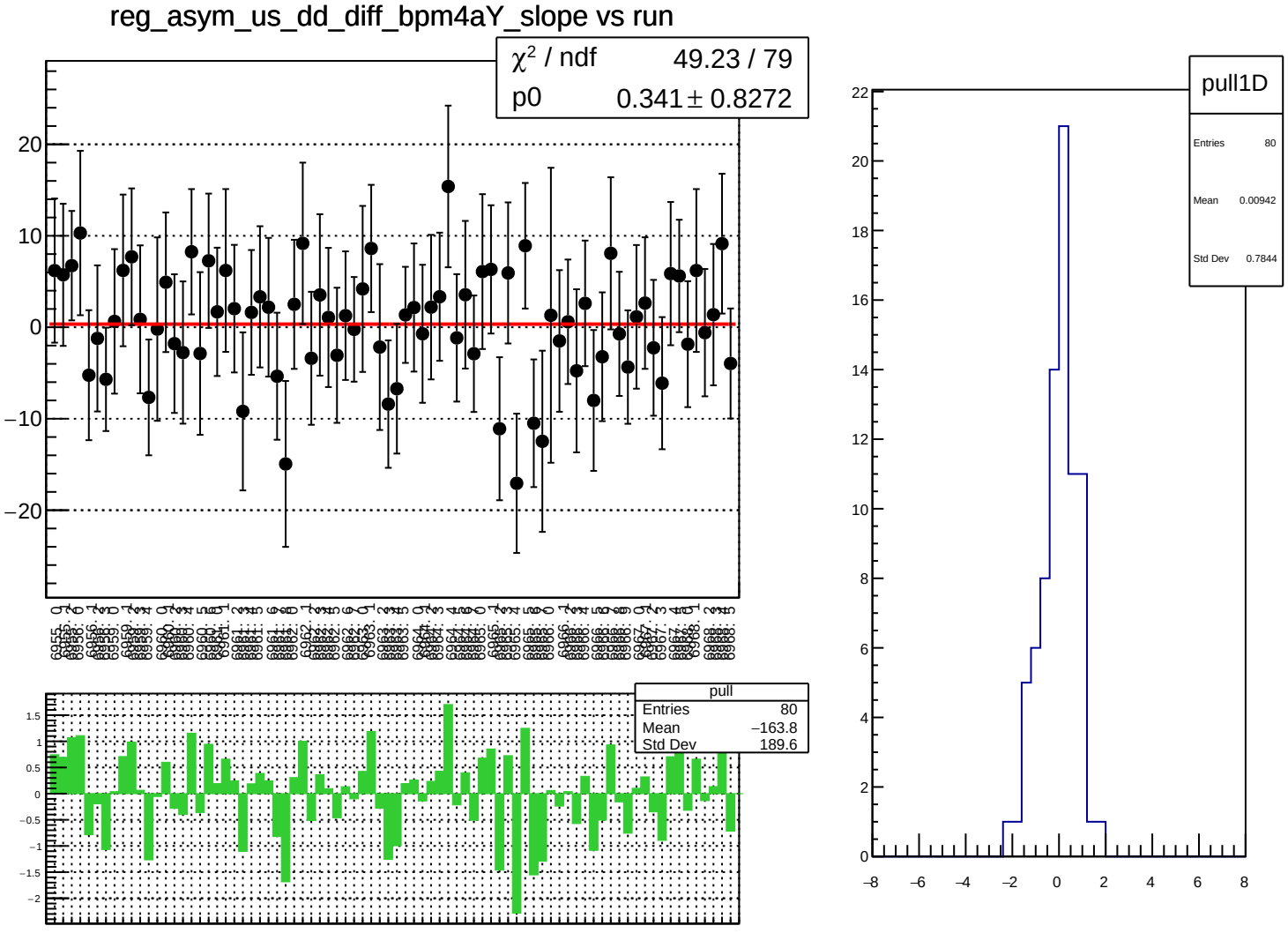

pull1D
Entries 80
Mean −0.00151
Std Dev 0.3962

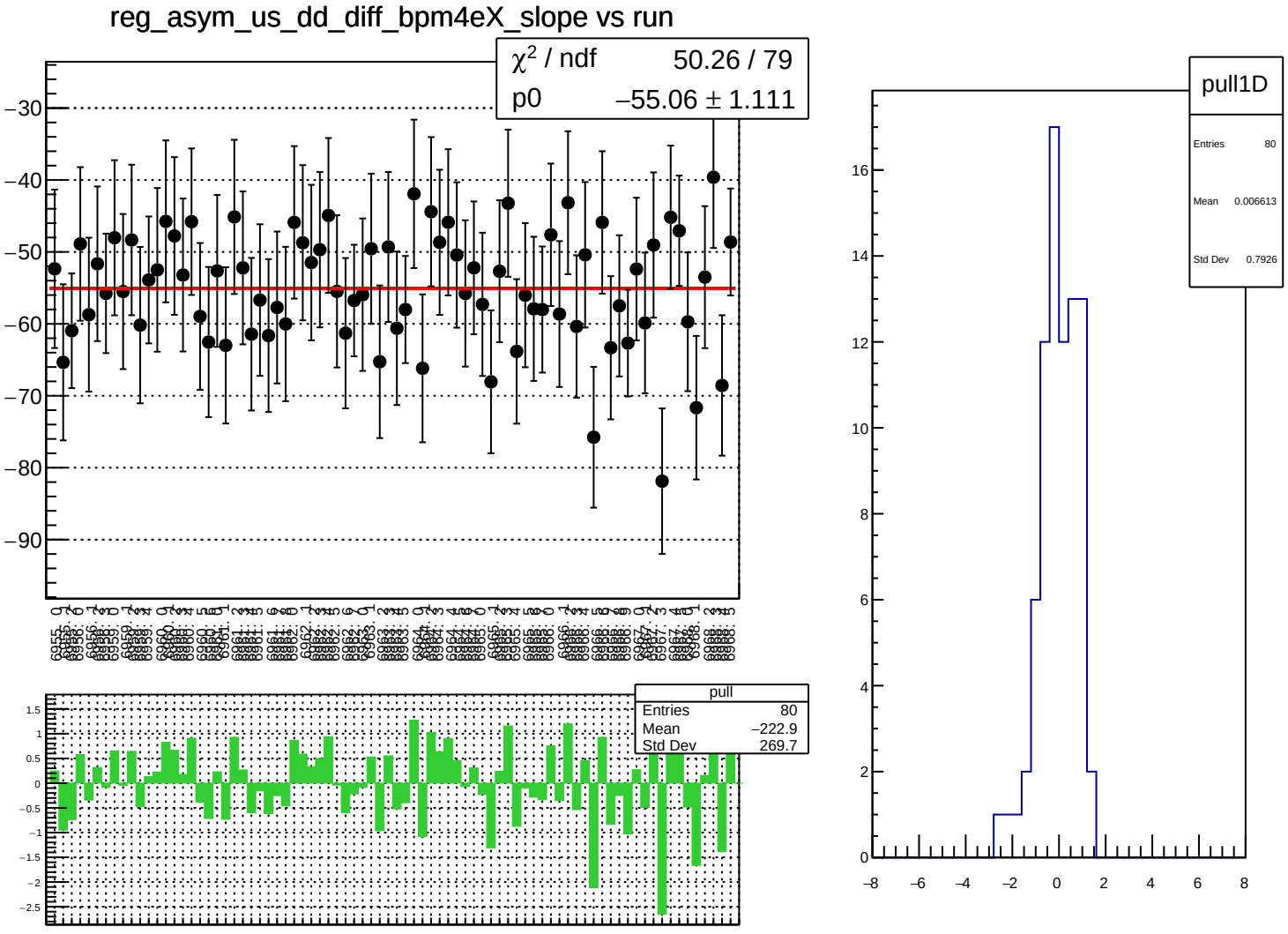

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 47.09 / 79
p0 −39.69 ± 0.06858
pull
Entries 80
Mean 1018
Std Dev 986.6

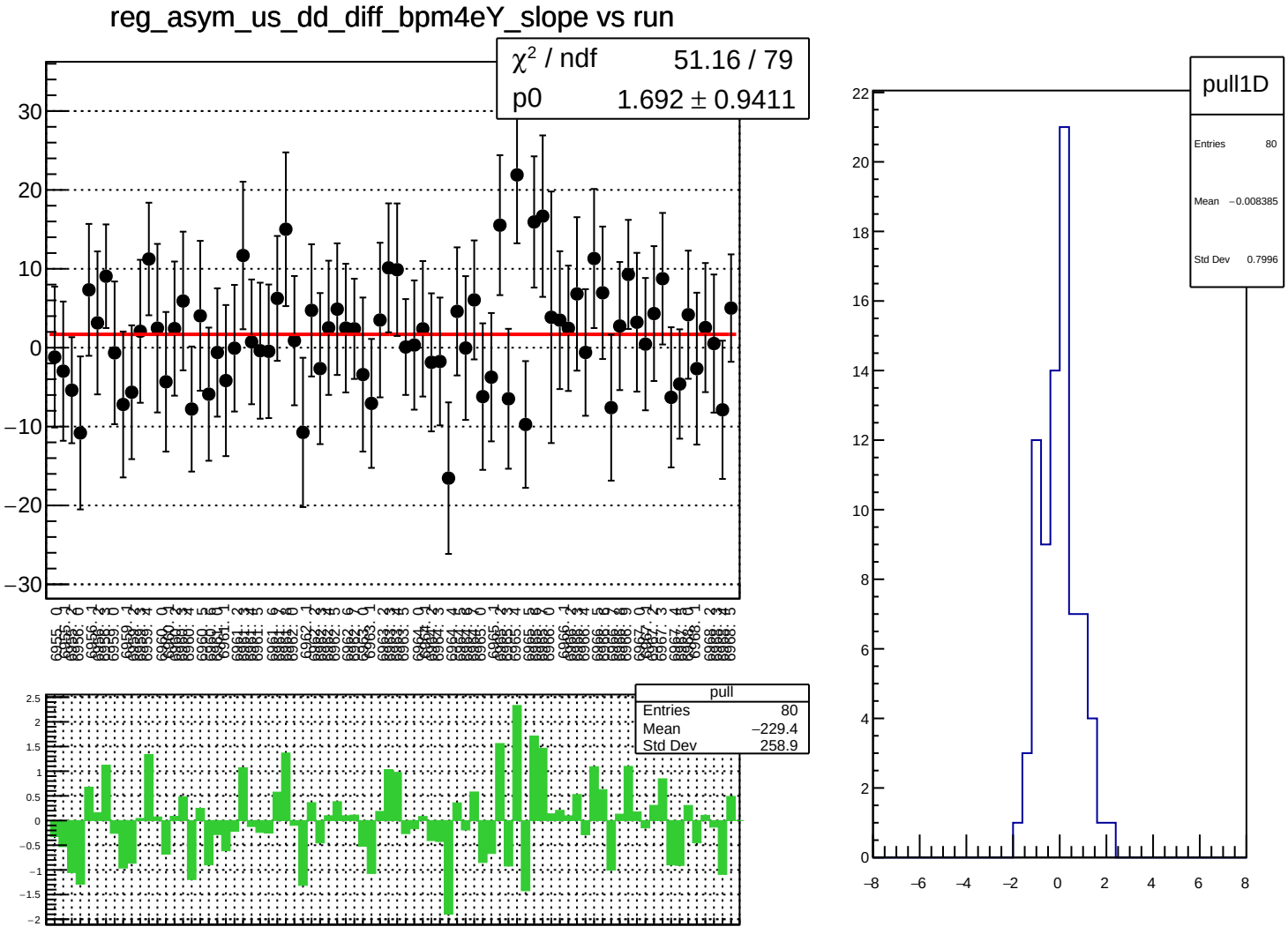

pull1D
Entries 80
Mean −0.003727
Std Dev 0.7672

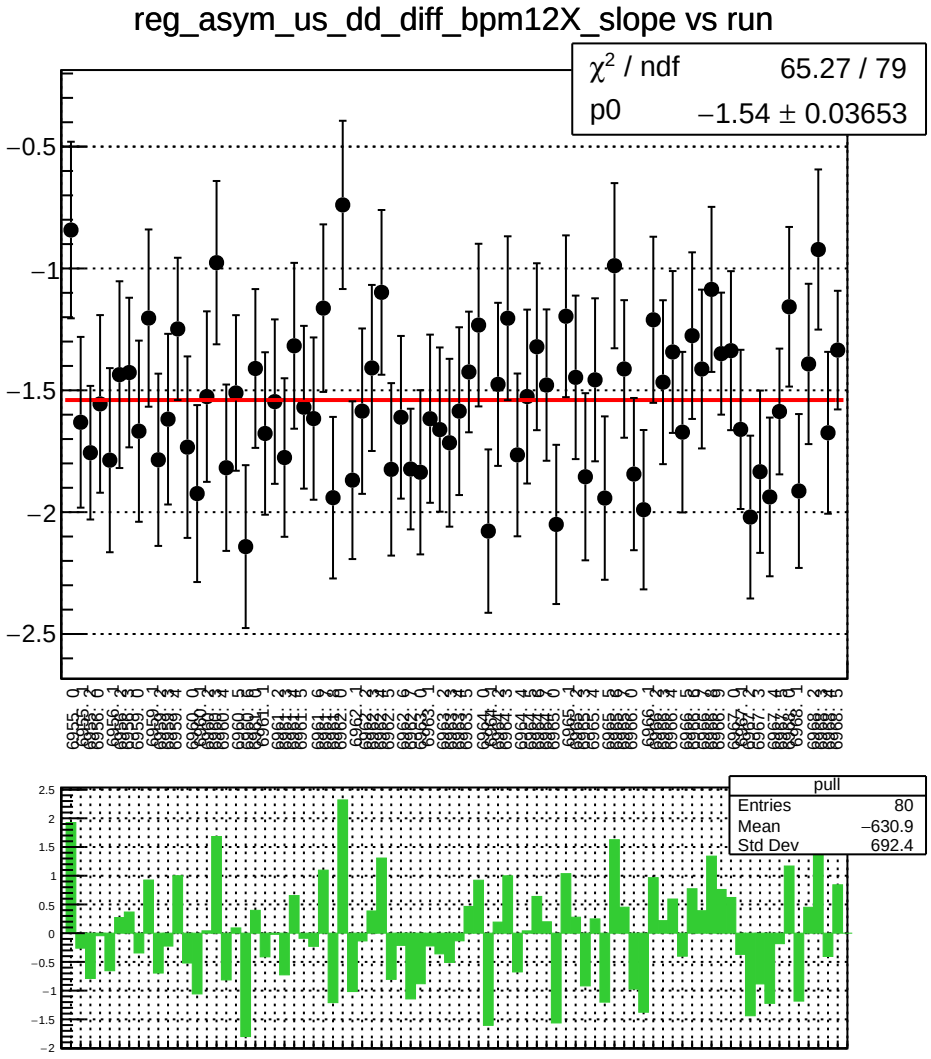

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 49.99 / 79
p0 −5.07 ± 1.2
pull
Entries 80
Mean −226.8
Std Dev 275.8

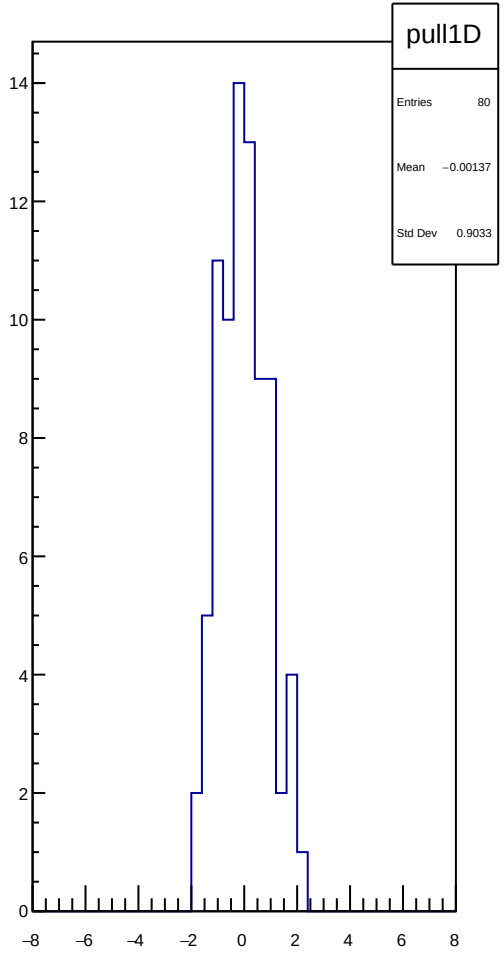

pull1D
Entries 80
Mean −0.005737
Std Dev 0.7905

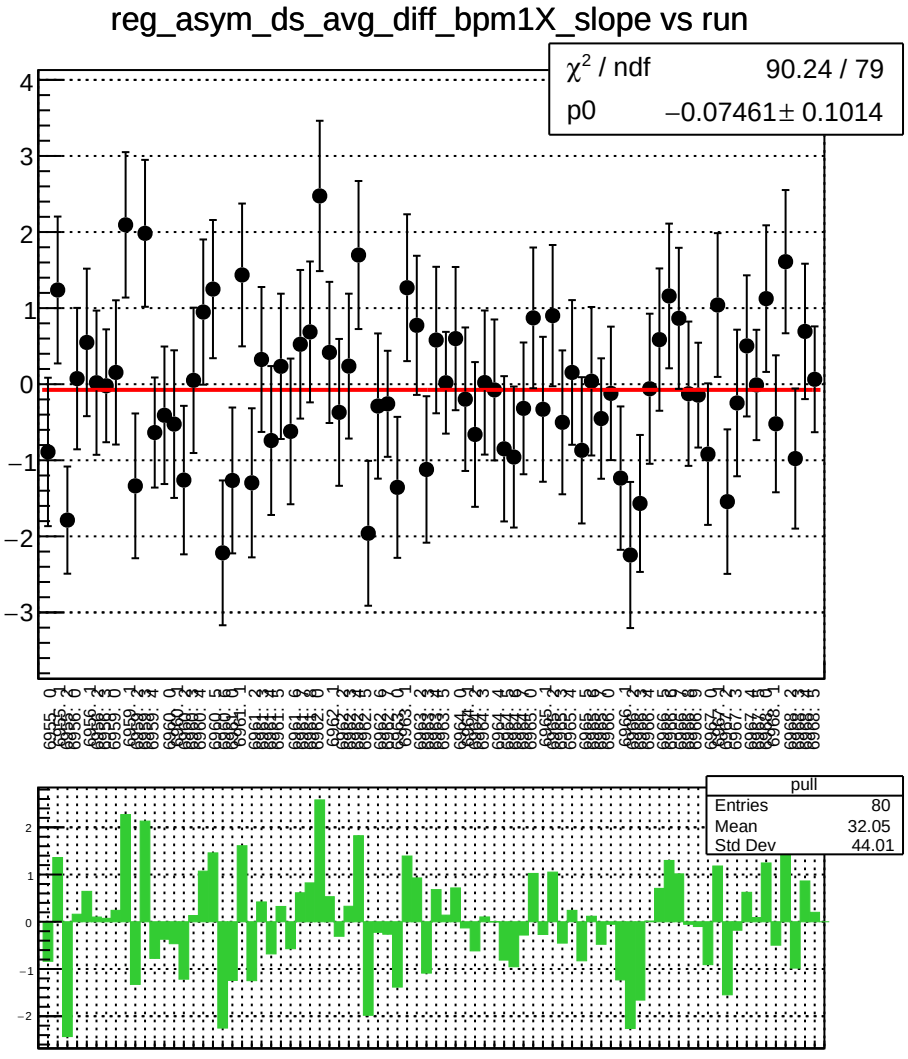

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.23 / 79
p0 0.341 ± 0.8272
pull
Entries 80
Mean −163.8
Std Dev 189.6
pull1D
Entries 80
Mean 0.00942
Std Dev 0.7844

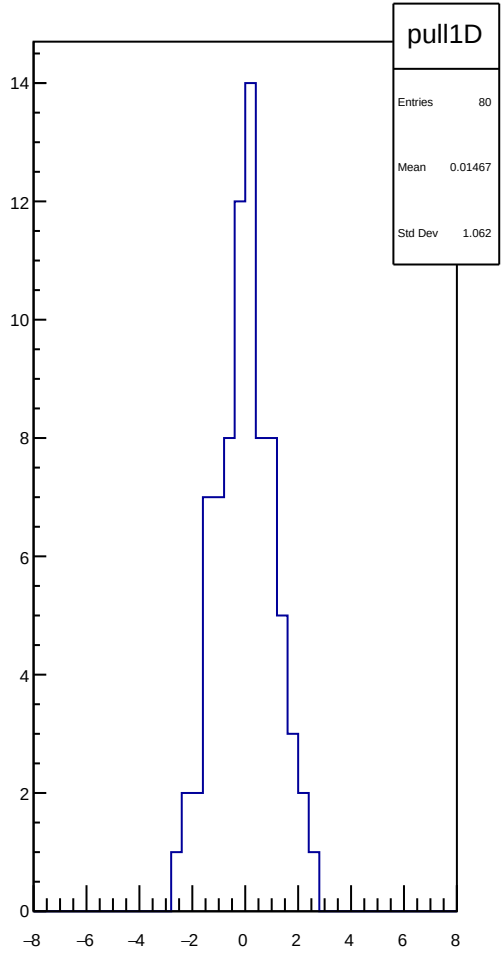

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.26 / 79
p0 −55.06 ± 1.111
pull
Entries 80
Mean −222.9
Std Dev 269.7
pull1D
Entries 80
Mean 0.006613
Std Dev 0.7926

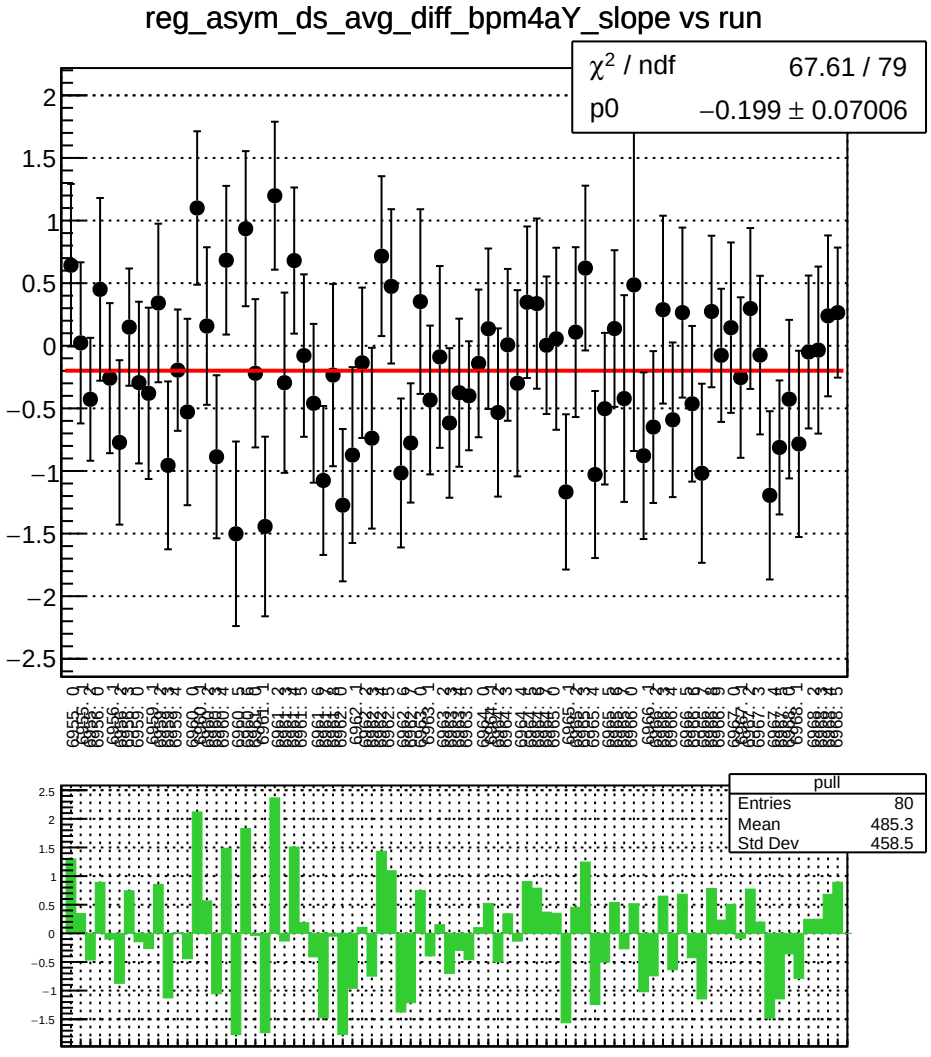

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.16 / 79
p0 1.692 ± 0.9411
pull
Entries 80
Mean −229.4
Std Dev 258.9
pull1D
Entries 80
Mean −0.008385
Std Dev 0.7996

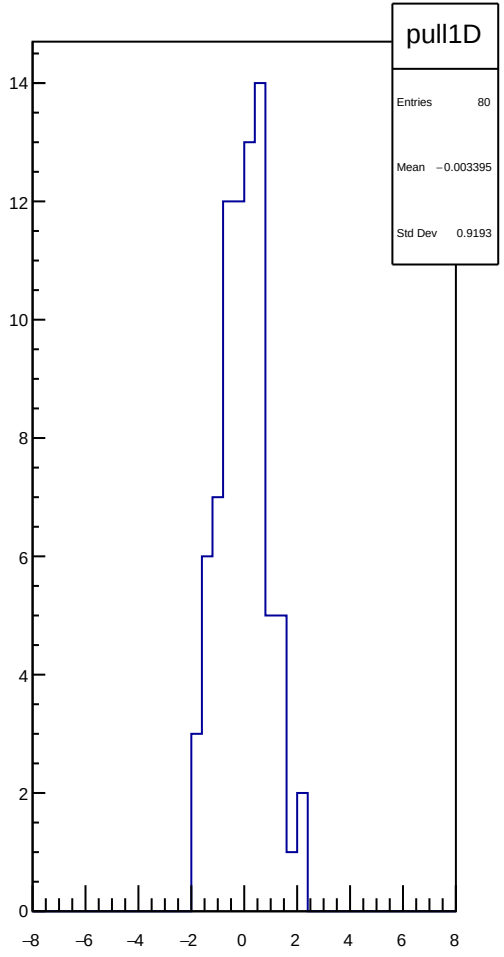

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 65.27 / 79
p0 −1.54 ± 0.03653
pull
Entries 80
Mean −630.9
Std Dev 692.4

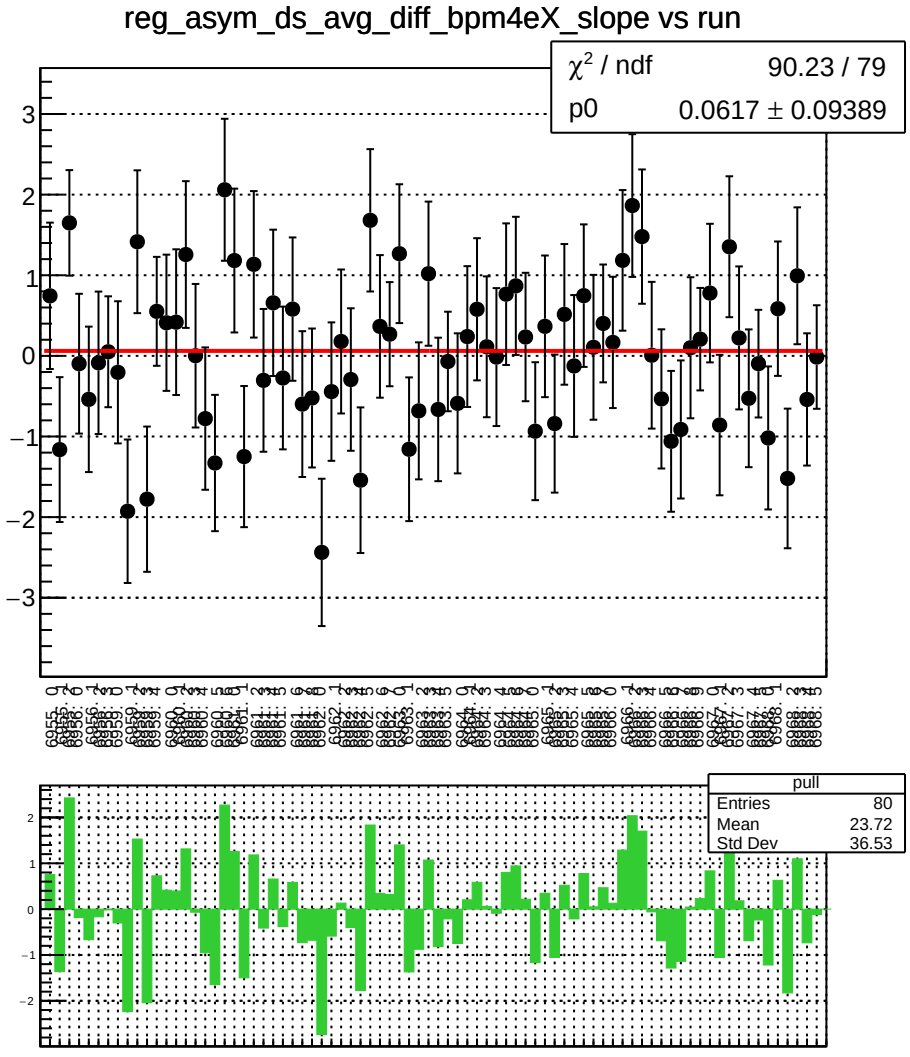

pull1D
Entries 80
Mean −0.00137
Std Dev 0.9033

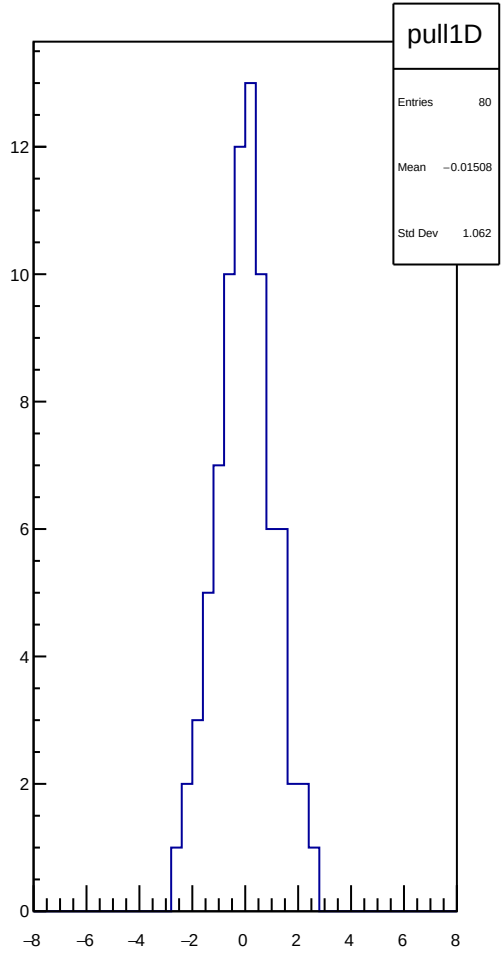

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 90.24 / 79
p0 −0.07461 ± 0.1014
pull
Entries 80
Mean 32.05
Std Dev 44.01

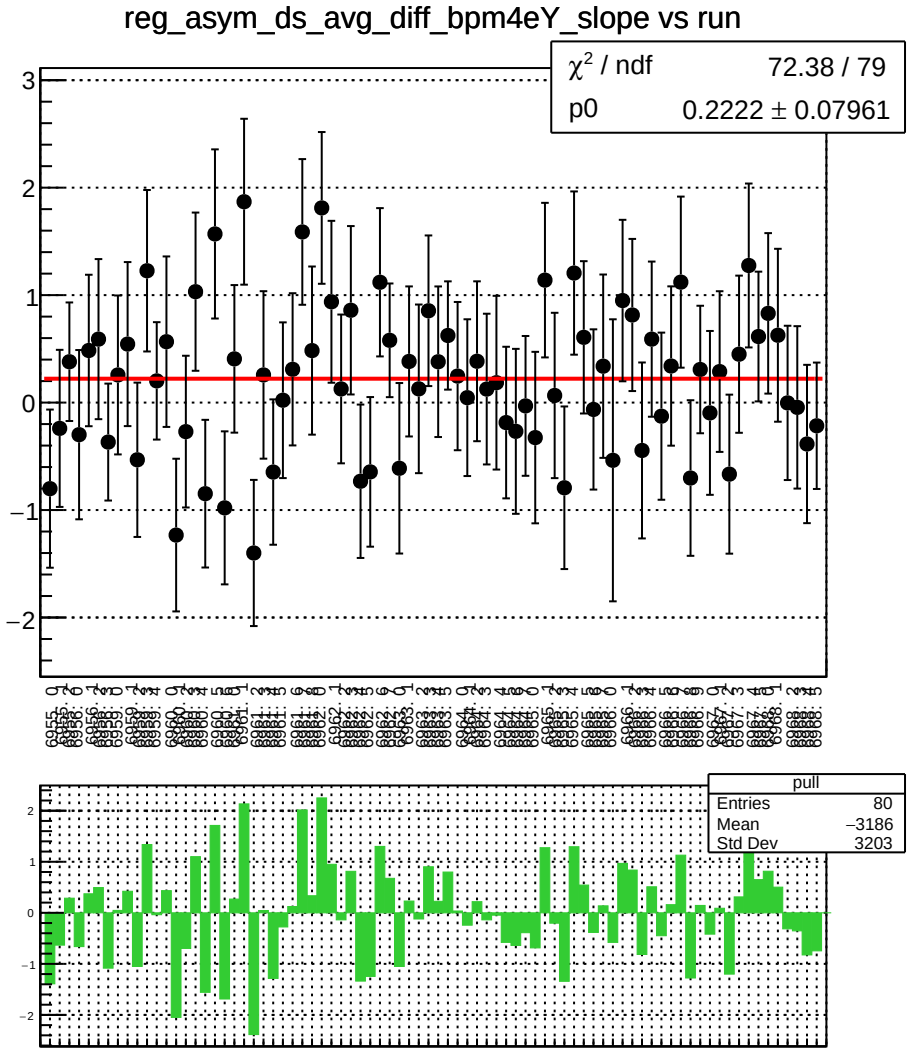

pull1D
Entries 80
Mean 0.01467
Std Dev 1.062

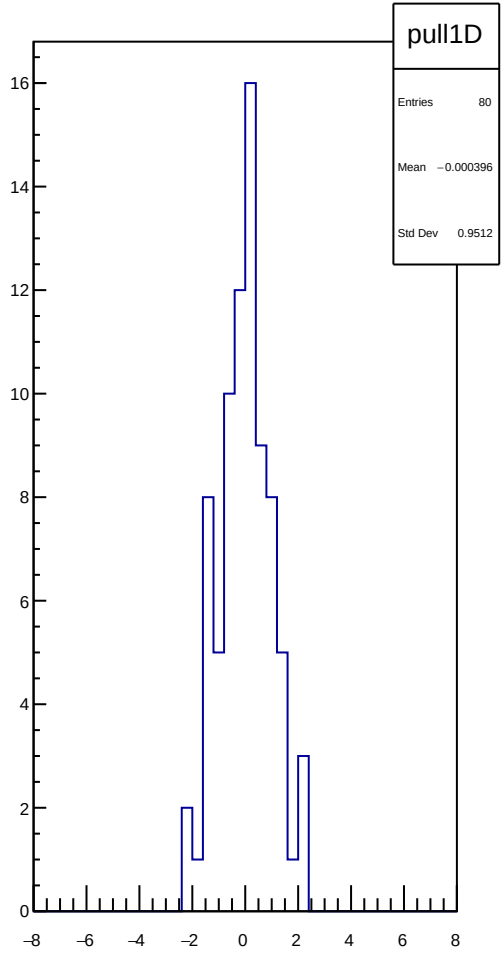

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.61 / 79
p0 −0.199 ± 0.07006
pull
Entries 80
Mean 485.3
Std Dev 458.5

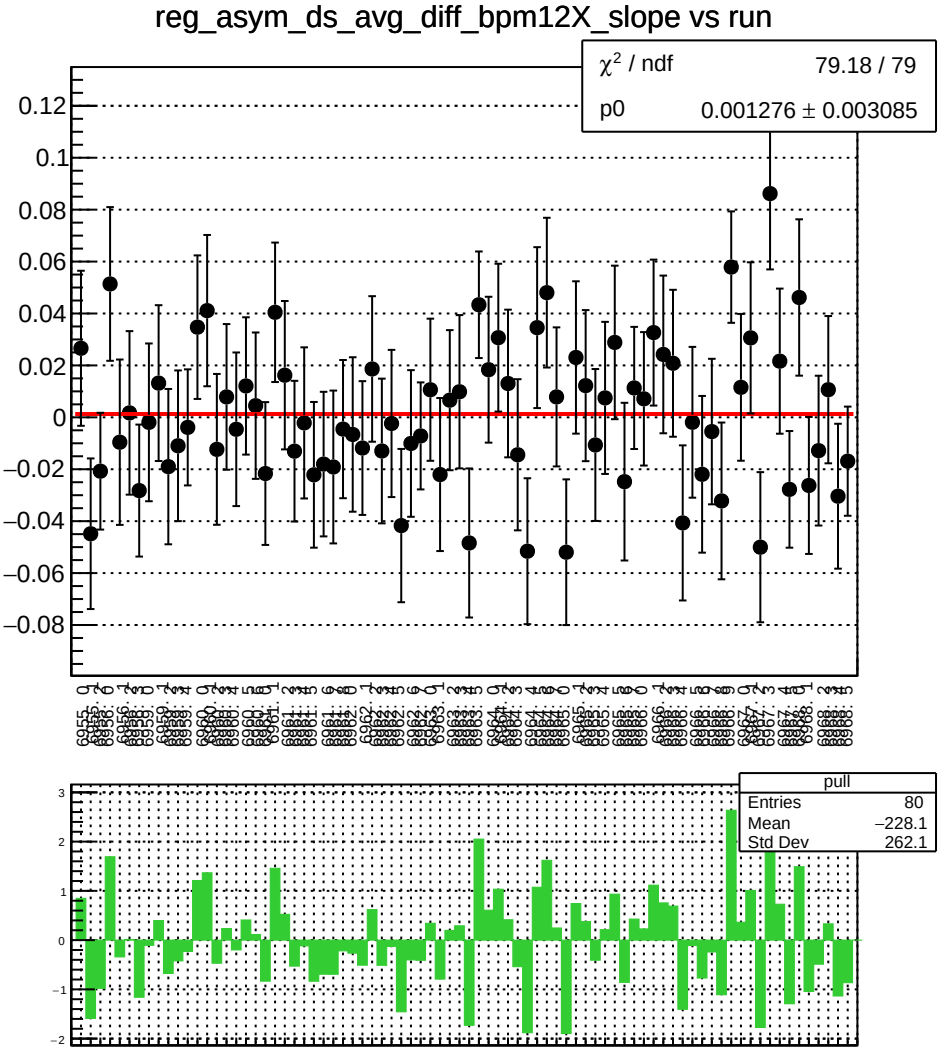

pull1D
Entries 80
Mean −0.003395
Std Dev 0.9193

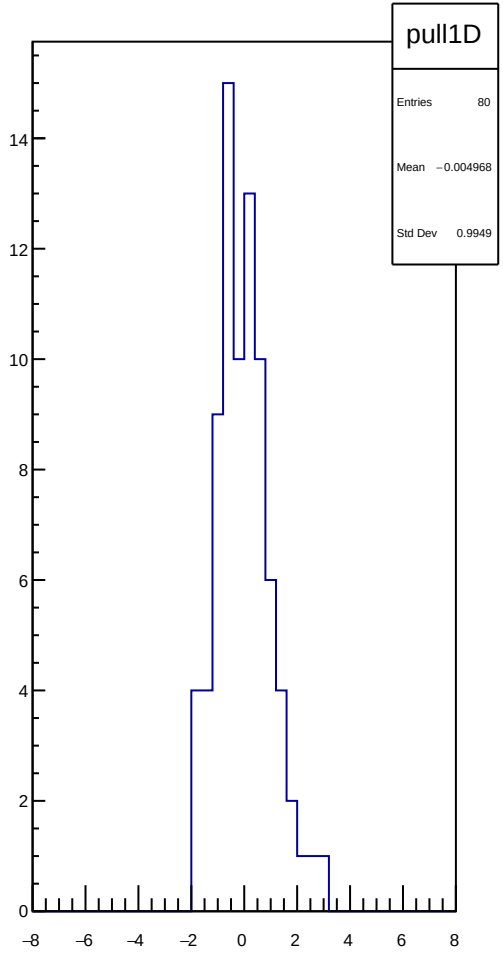

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 90.23 / 79
p0 0.0617 ± 0.09389
pull
Entries 80
Mean 23.72
Std Dev 36.53

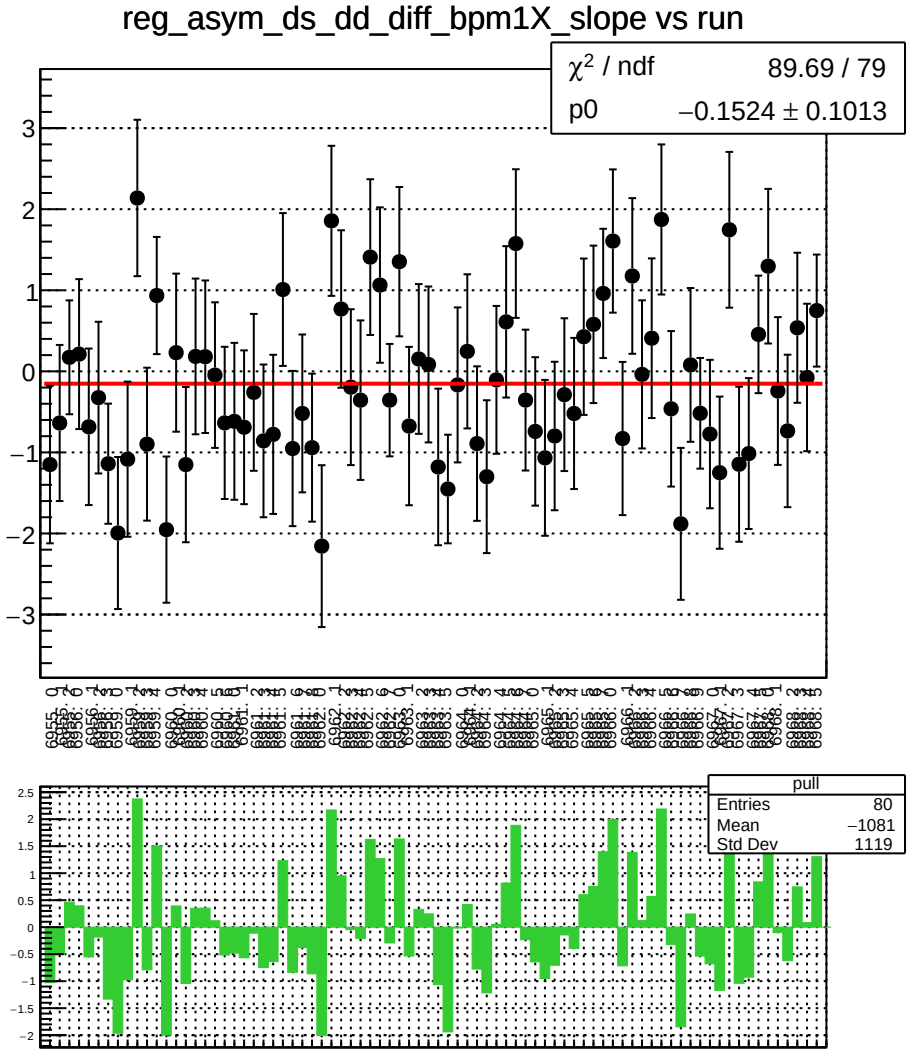

pull1D
Entries 80
Mean −0.01508
Std Dev 1.062

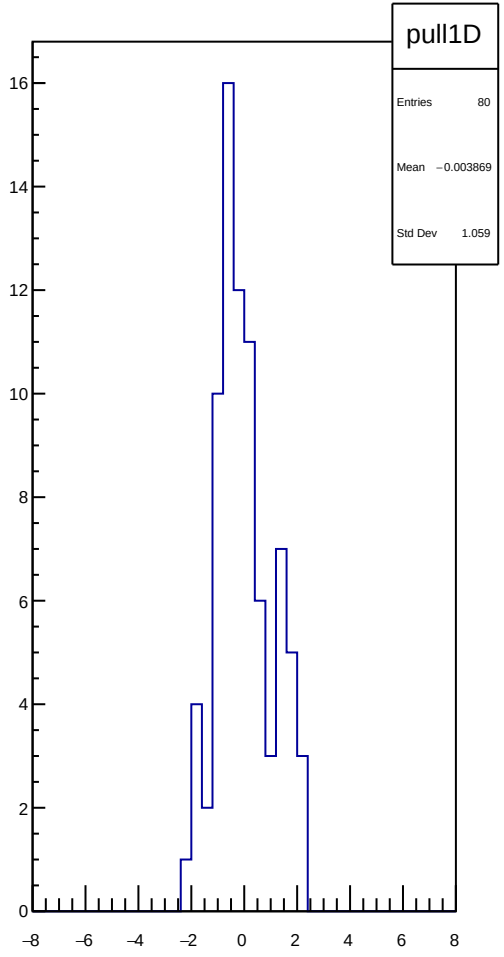

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.38 / 79
p0 0.2222 ± 0.07961
pull
Entries 80
Mean −3186
Std Dev 3203

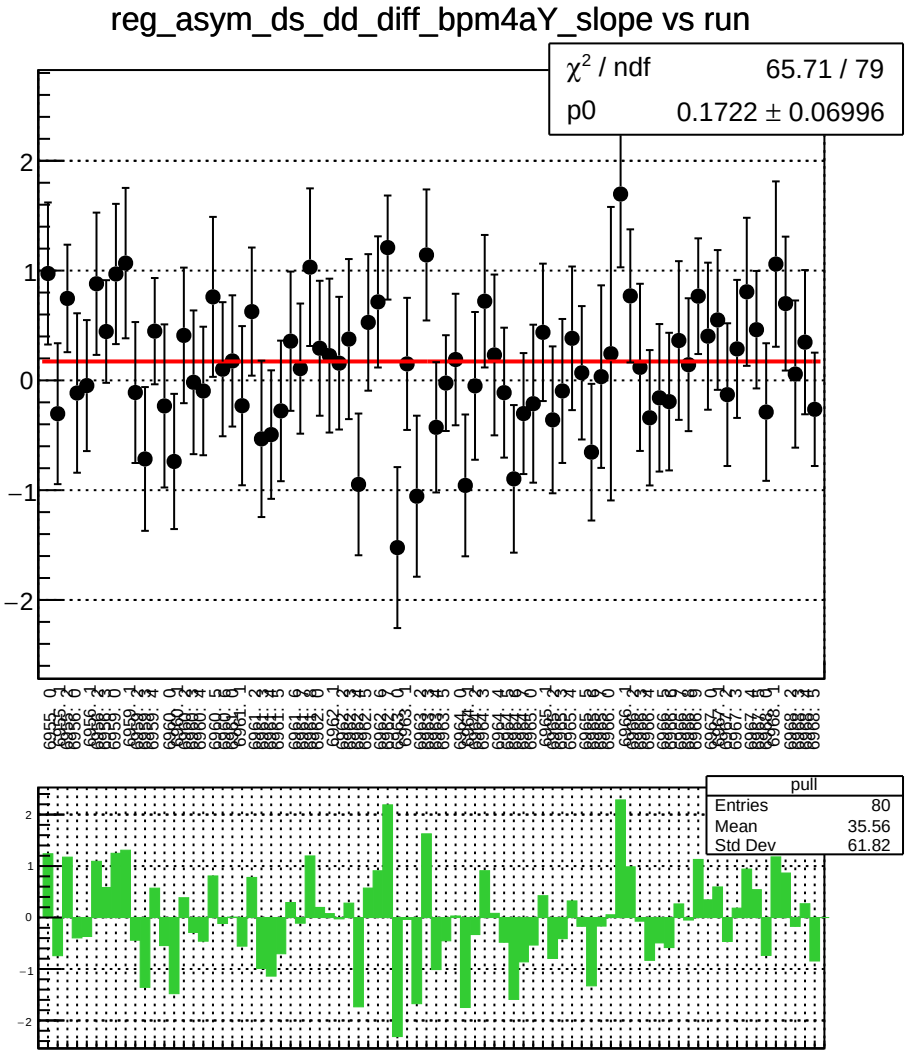

pull1D
Entries 80
Mean −0.000396
Std Dev 0.9512

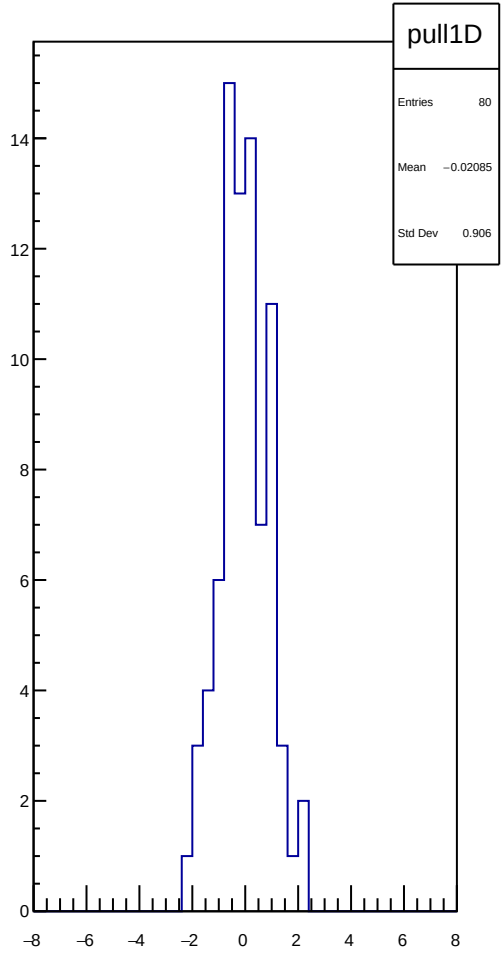

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 79.18 / 79
p0 0.001276 ± 0.003085
pull
Entries 80
Mean −228.1
Std Dev 262.1

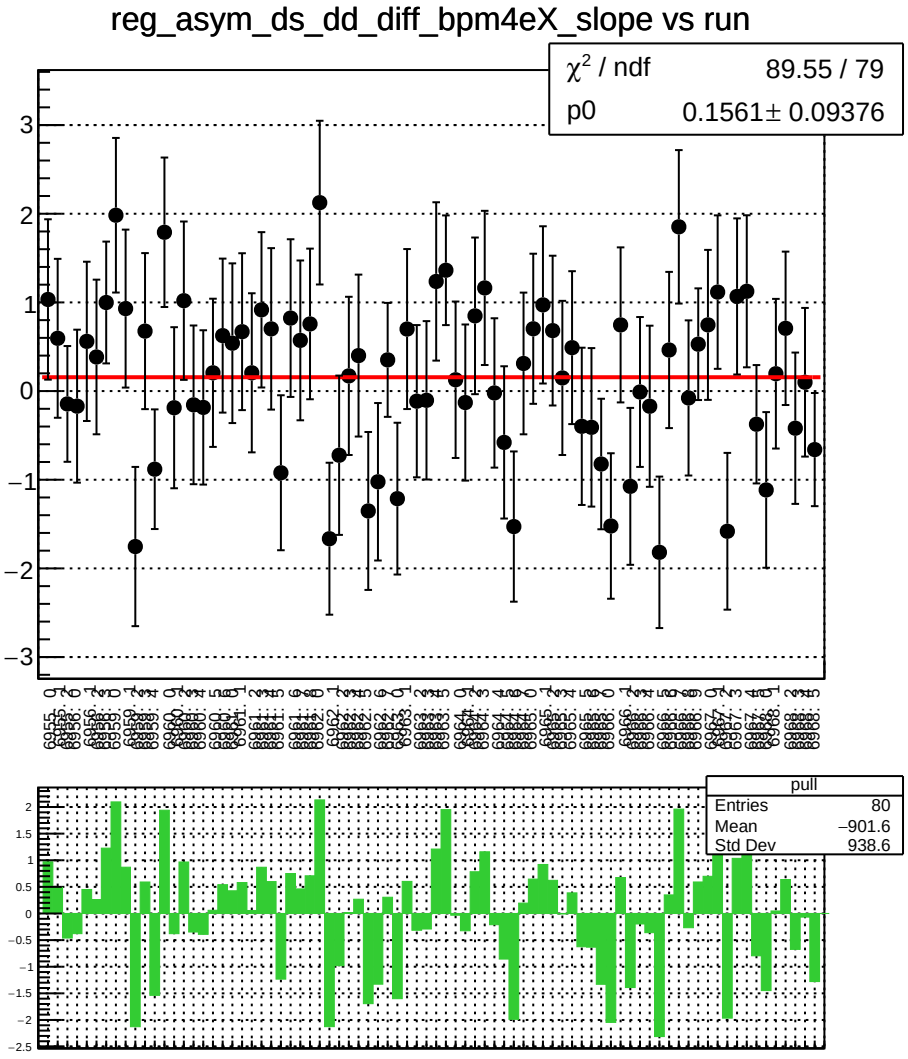

pull1D
Entries 80
Mean −0.004968
Std Dev 0.9949

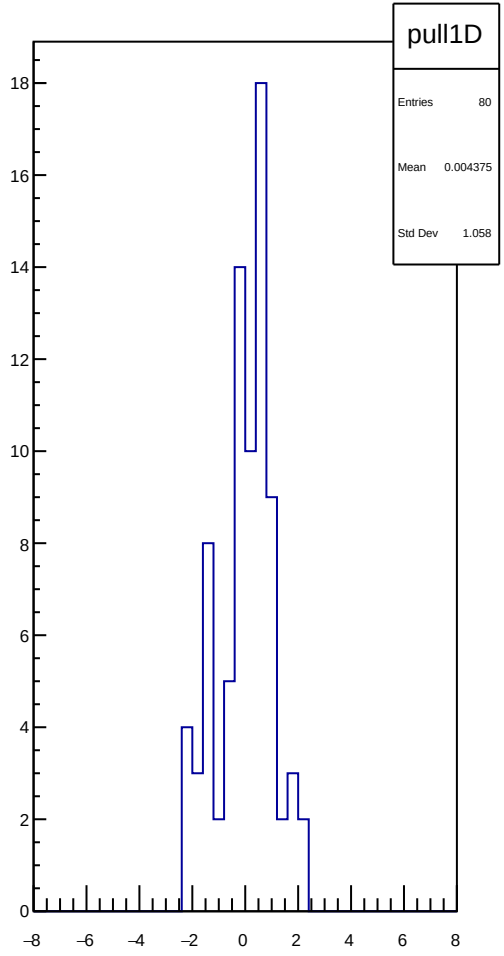

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 89.69 / 79
p0 −0.1524 ± 0.1013
pull
Entries 80
Mean −1081
Std Dev 1119

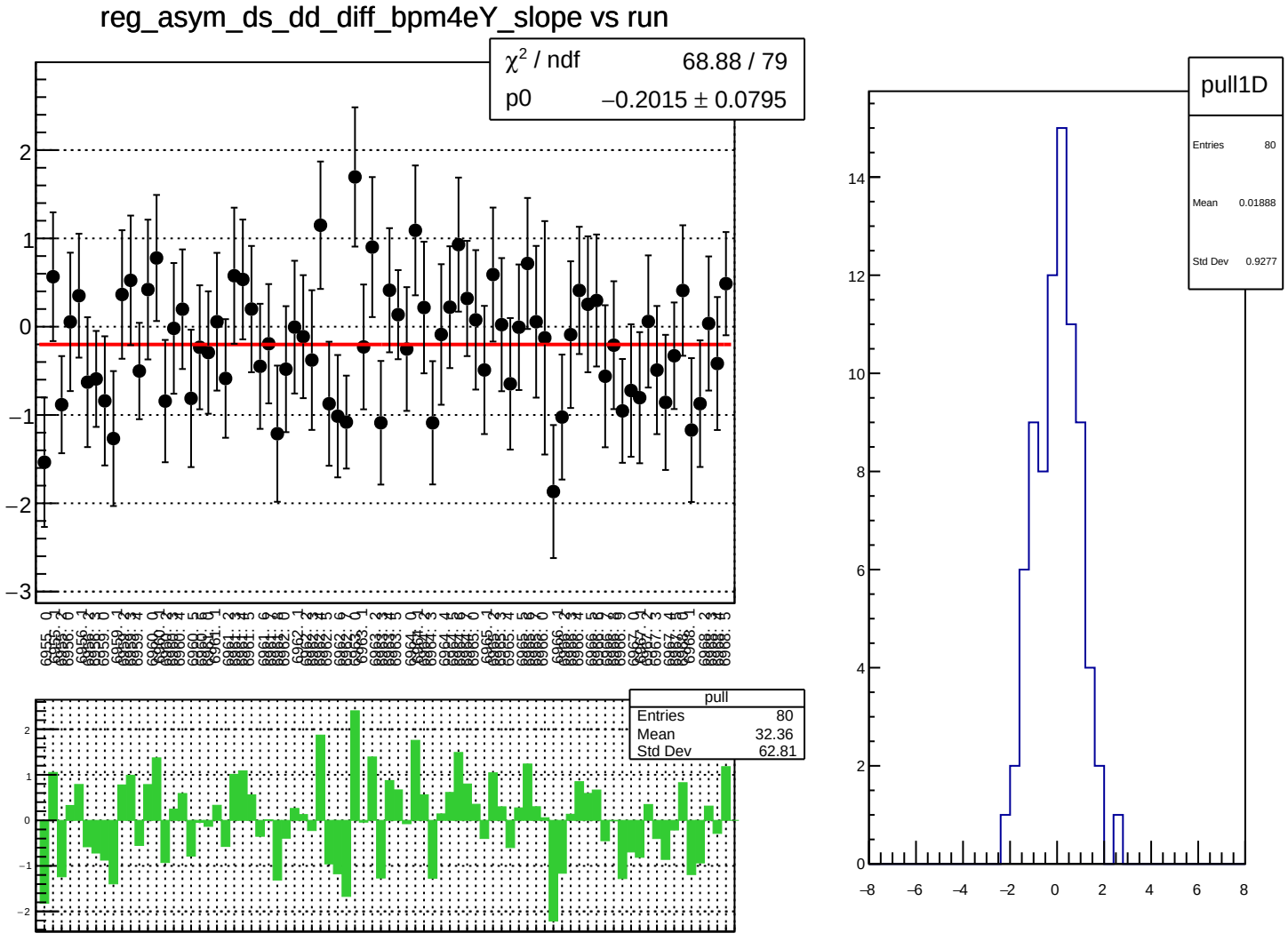

pull1D
Entries 80
Mean −0.003869
Std Dev 1.059

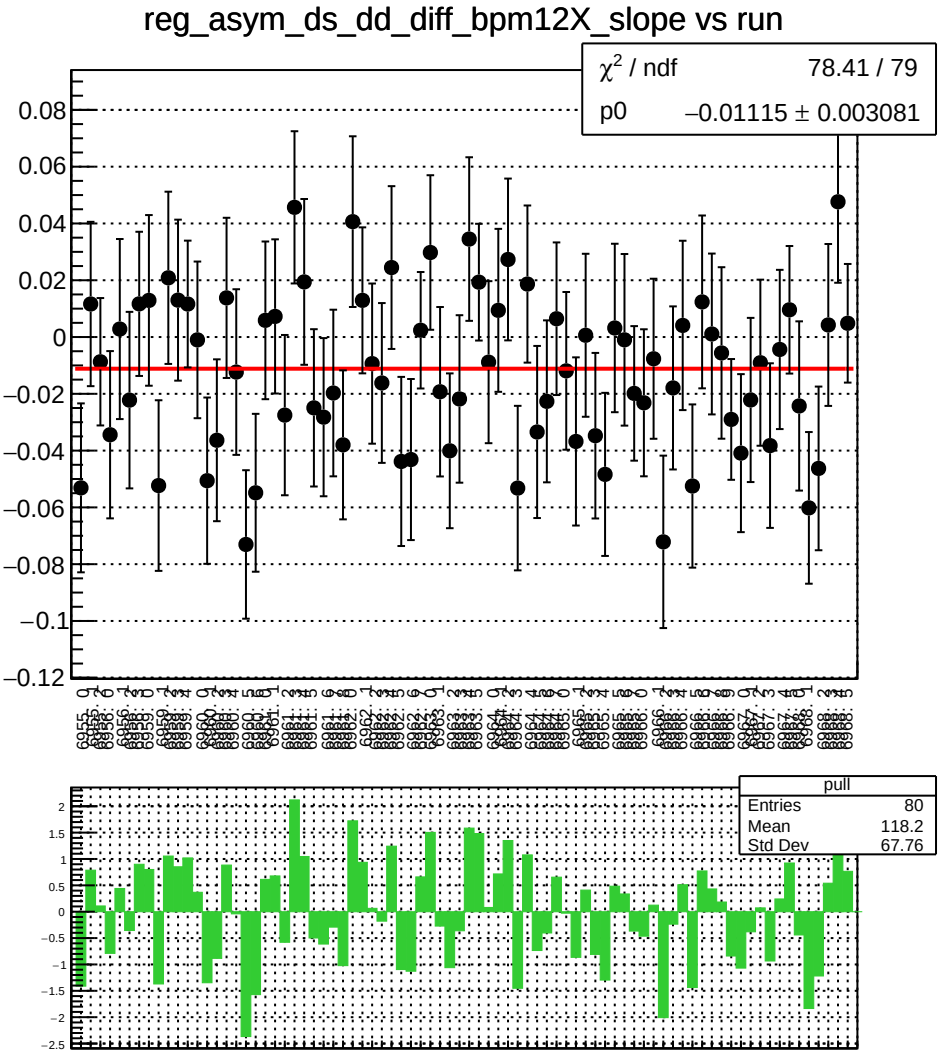

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.71 / 79
p0 0.1722 ± 0.06996
pull
Entries 80
Mean 35.56
Std Dev 61.82

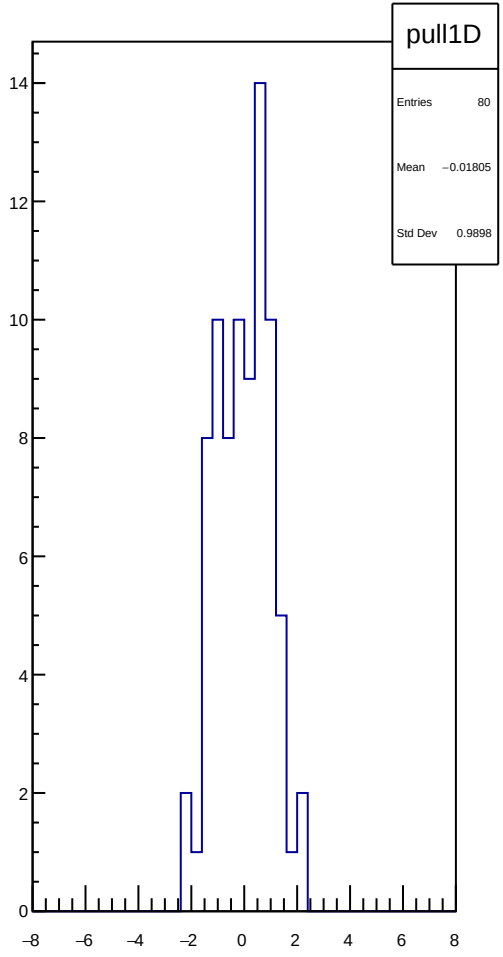

pull1D
Entries 80
Mean −0.02085
Std Dev 0.906

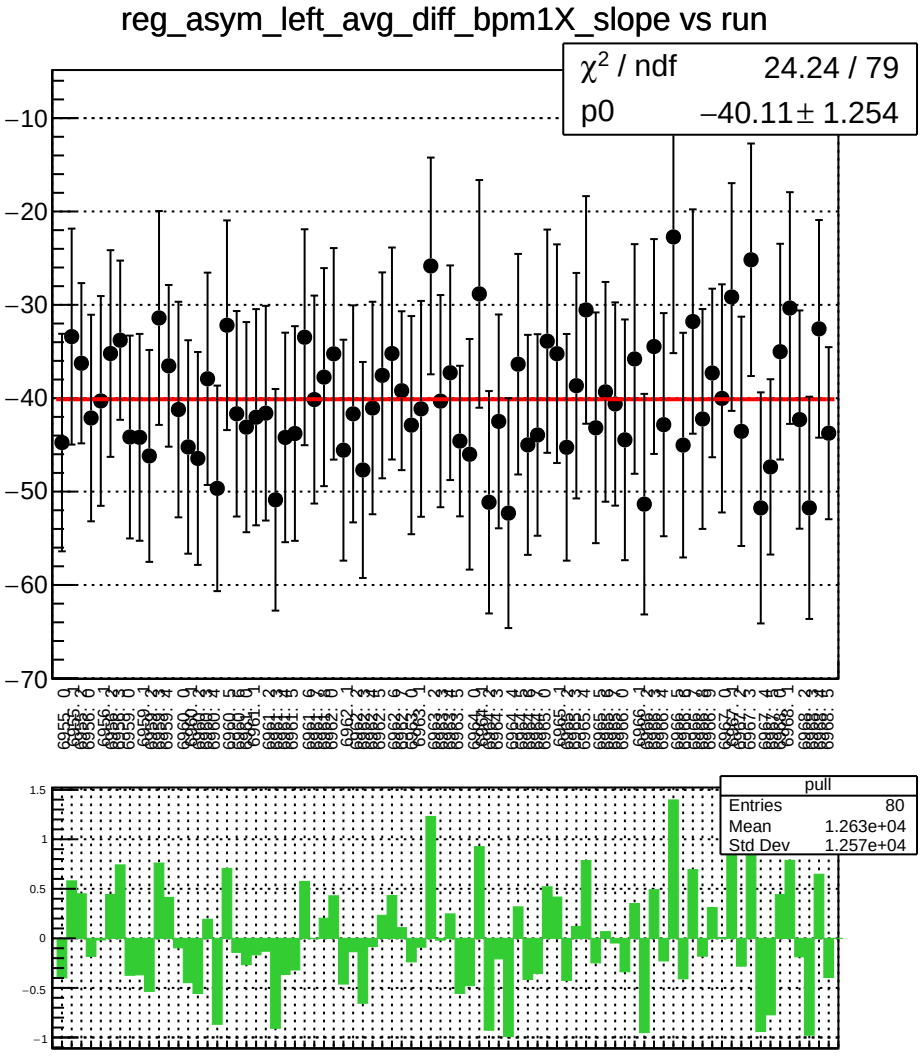

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 89.55 / 79
p0 0.1561± 0.09376
pull
Entries 80
Mean −901.6
Std Dev 938.6

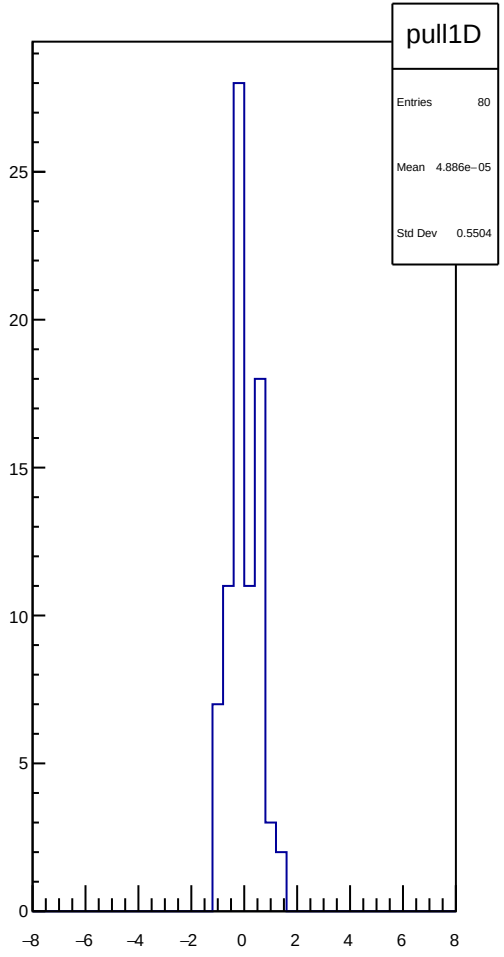

pull1D
Entries 80
Mean 0.004375
Std Dev 1.058

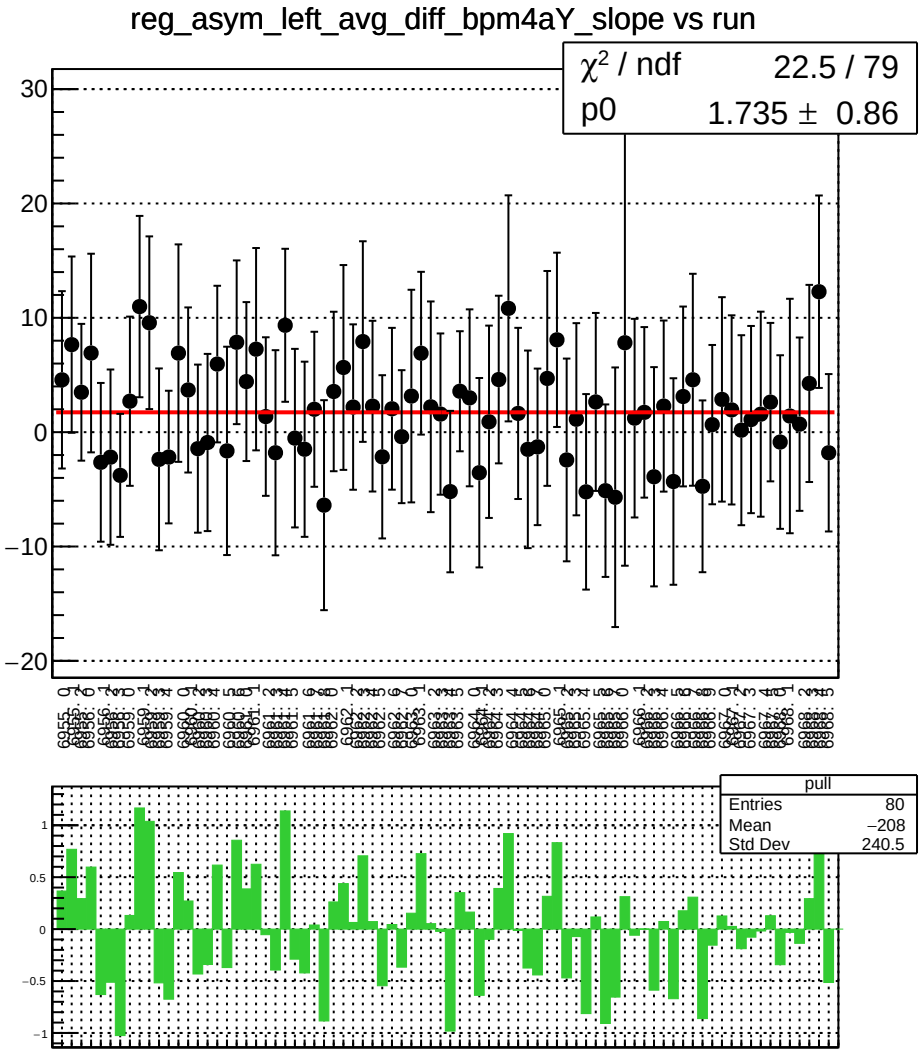

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.88 / 79
p0 −0.2015 ± 0.0795
pull
Entries 80
Mean 32.36
Std Dev 62.81
pull1D
Entries 80
Mean 0.01888
Std Dev 0.9277

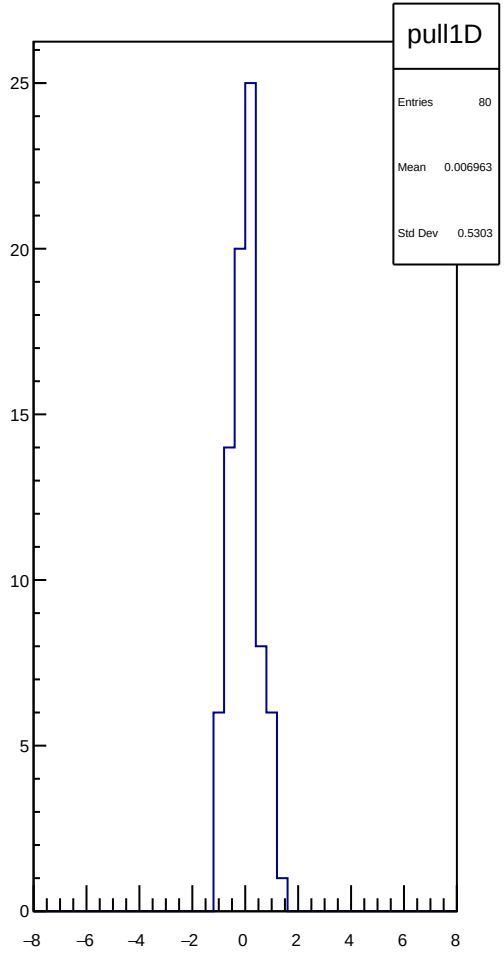

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 78.41 / 79
p0 −0.01115 ± 0.003081
pull
Entries 80
Mean 118.2
Std Dev 67.76

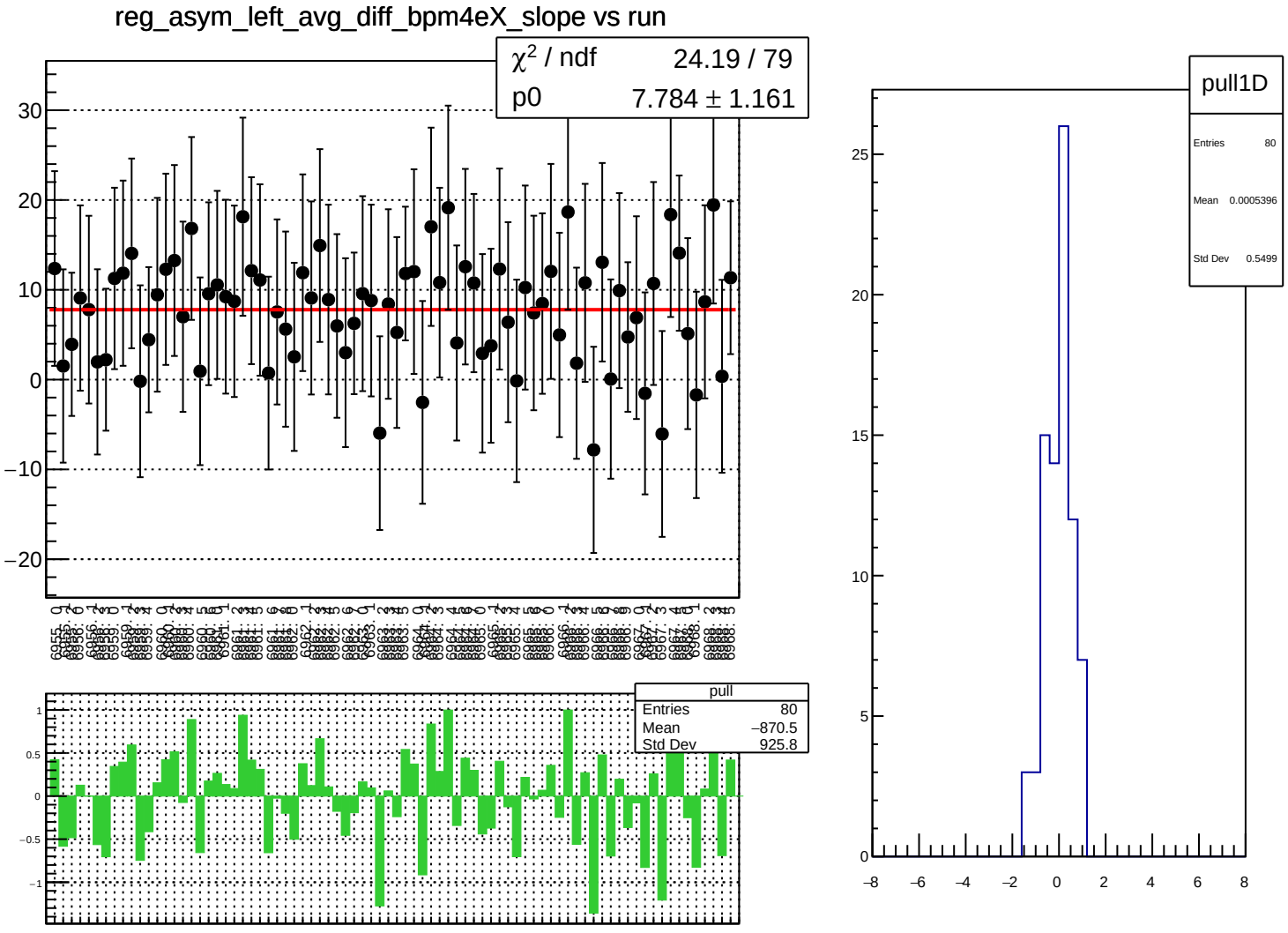

pull1D
Entries 80
Mean −0.01805
Std Dev 0.9898

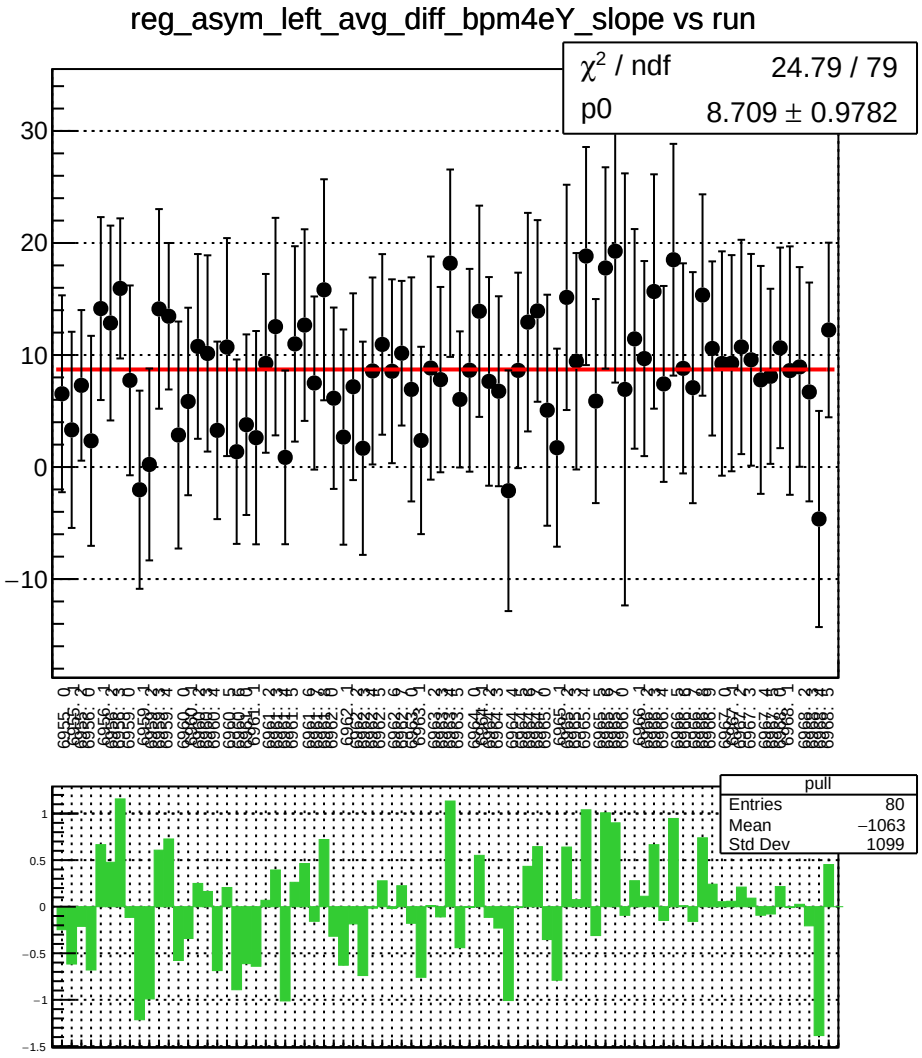

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.24 / 79
p0 −40.11 ± 1.254
pull
Entries 80
Mean 1.263e+04
Std Dev 1.257e+04

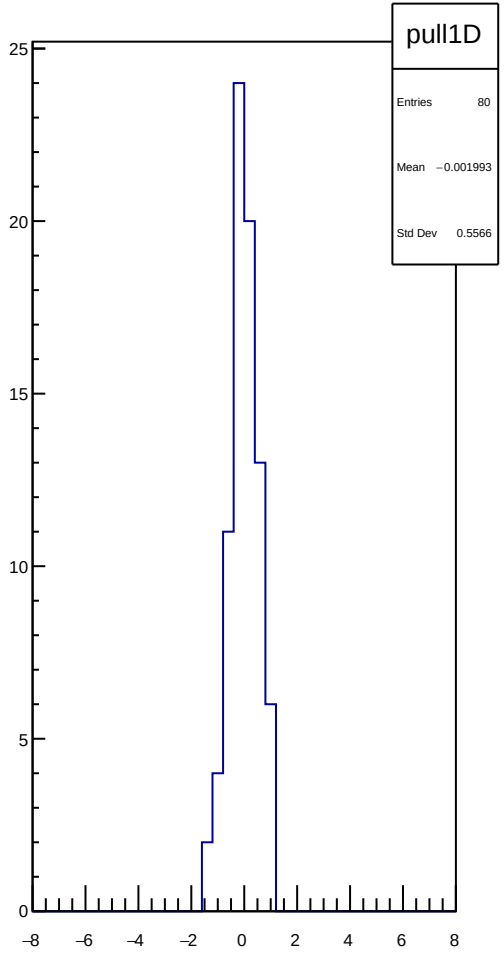

pull1D
Entries 80
Mean 4.886e−05
Std Dev 0.5504

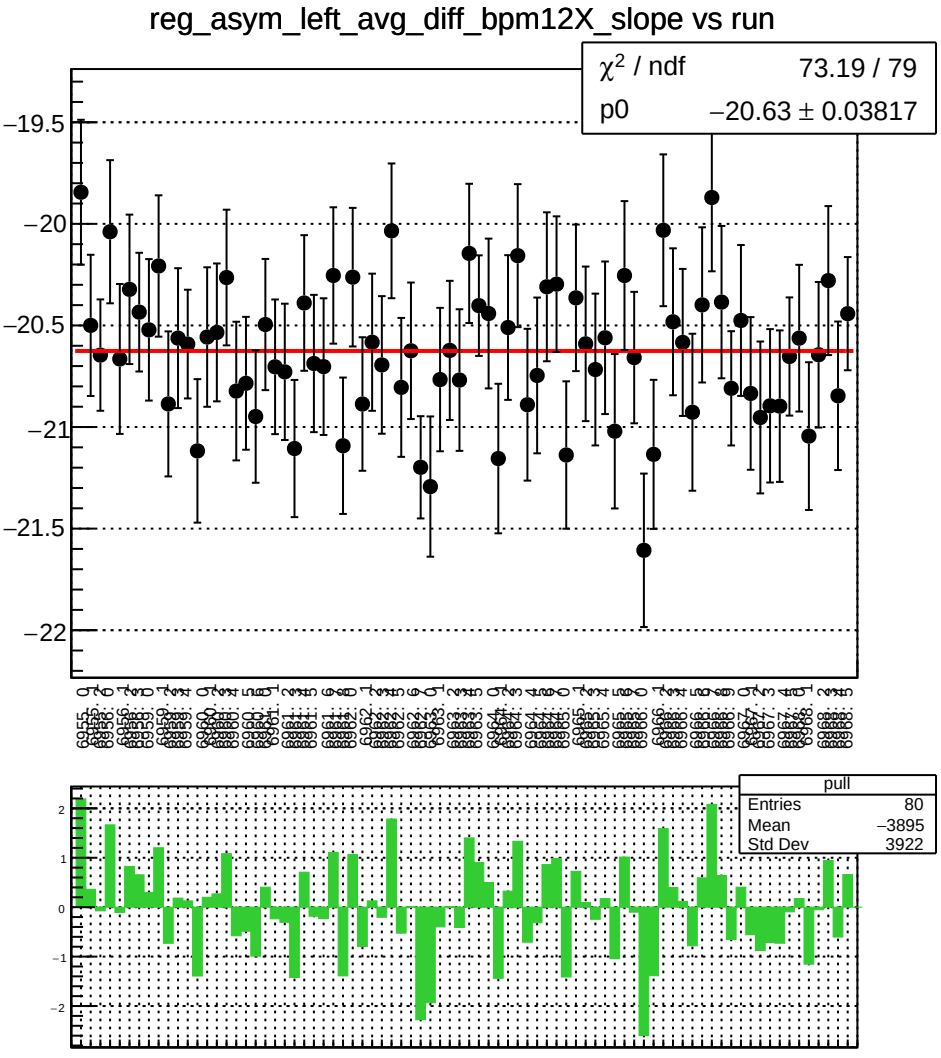

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.5 / 79
p0 1.735 ± 0.86
pull
Entries 80
Mean −208
Std Dev 240.5

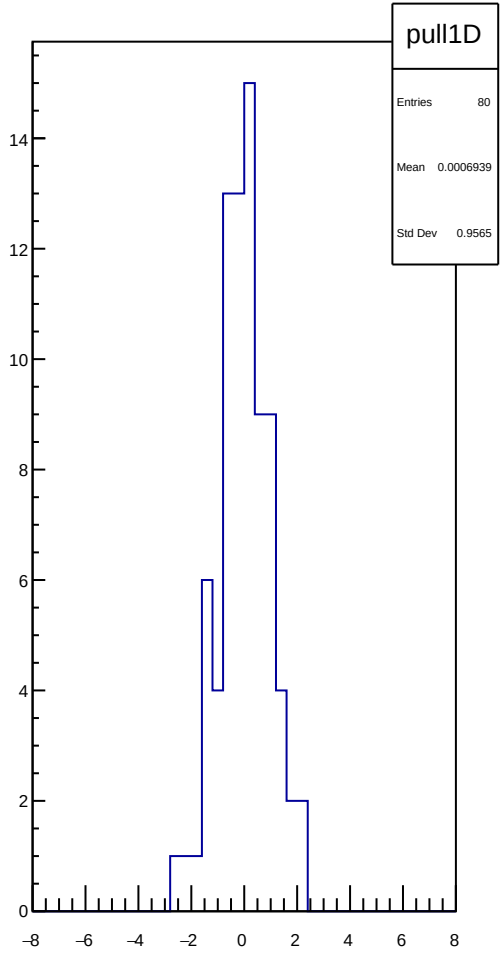

pull1D
Entries 80
Mean 0.006963
Std Dev 0.5303

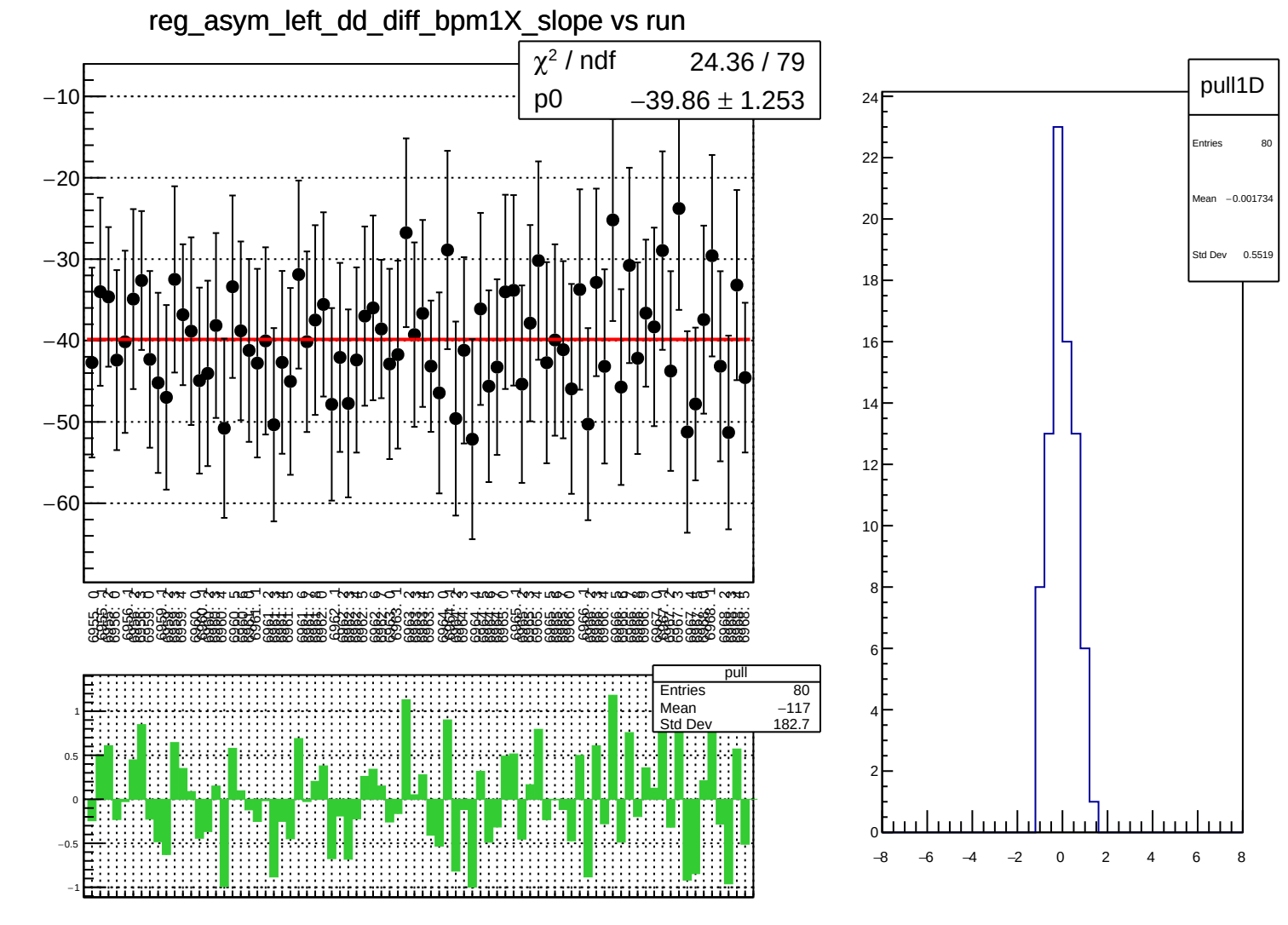

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.19 / 79
p0 7.784 ± 1.161
pull
Entries 80
Mean −870.5
Std Dev 925.8
pull1D
Entries 80
Mean 0.0005396
Std Dev 0.5499

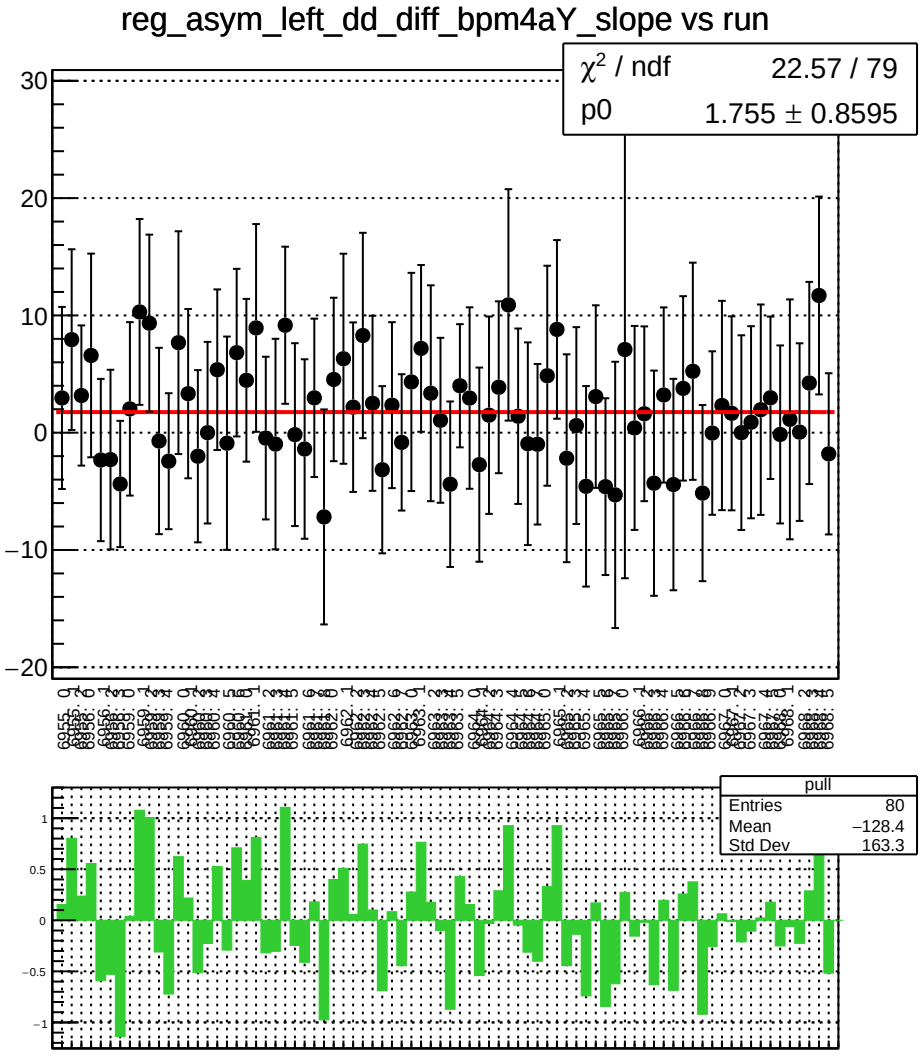

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.79 / 79
p0 8.709 ± 0.9782
pull
Entries 80
Mean −1063
Std Dev 1099

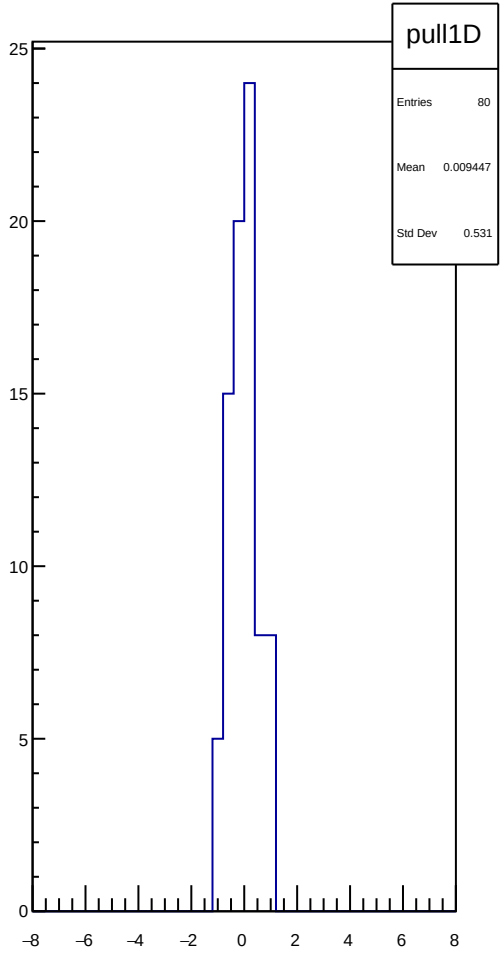

pull1D
Entries 80
Mean −0.001993
Std Dev 0.5566

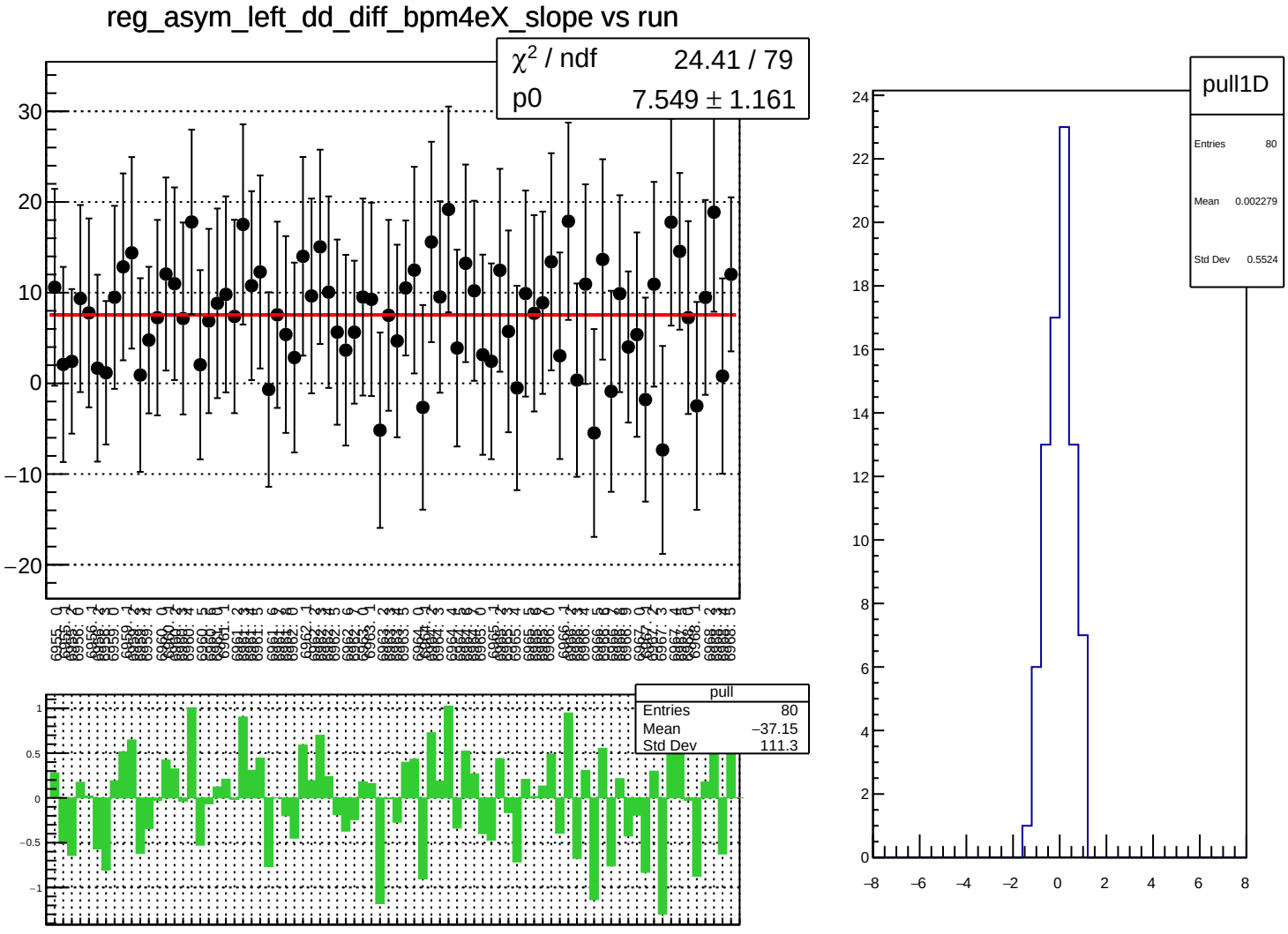

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 73.19 / 79
p0 −20.63 ± 0.03817
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 80
Mean −3895
Std Dev 3922
2
1
0
−1
−2

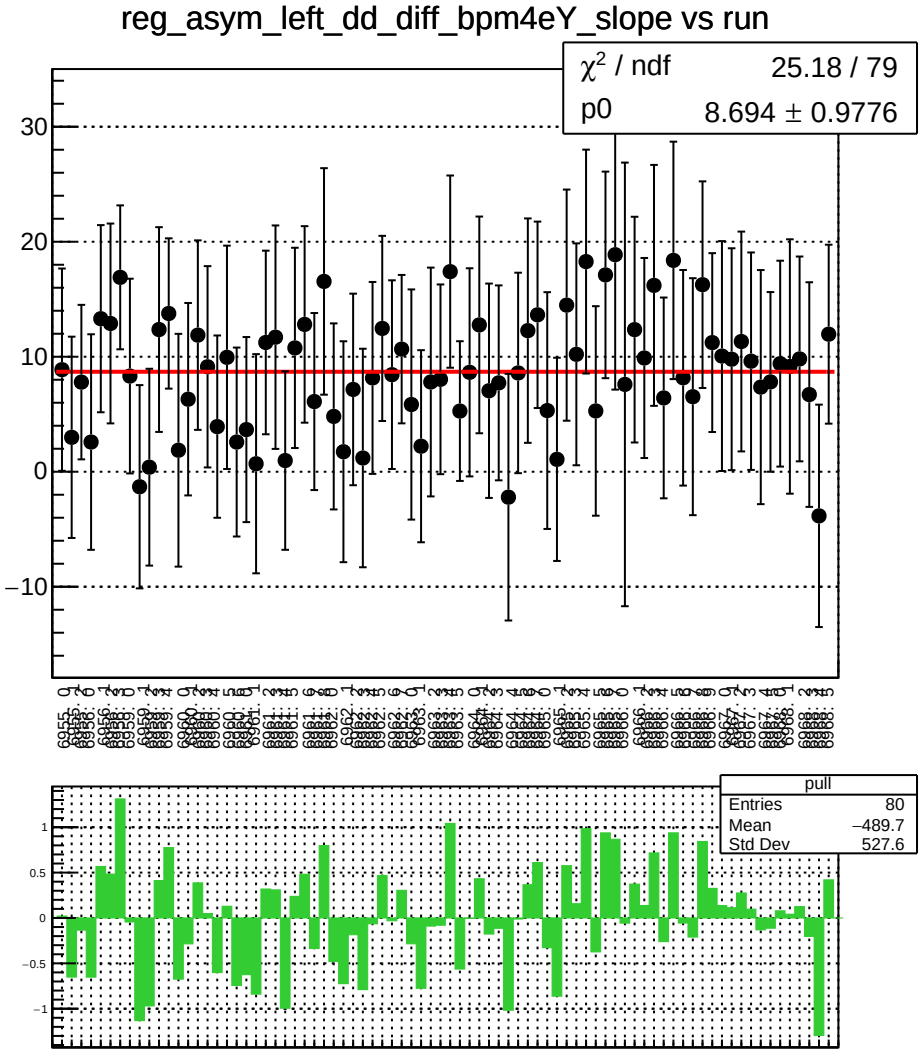

pull1D
Entries 80
Mean 0.0006939
Std Dev 0.9565
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

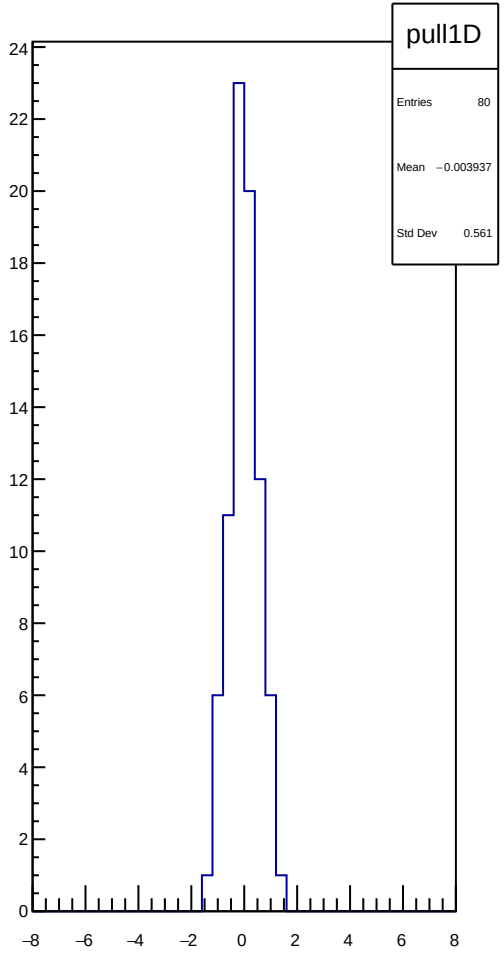

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 24.36 / 79
p0 −39.86 ± 1.253
pull
Entries 80
Mean −117
Std Dev 182.7
pull1D
Entries 80
Mean −0.001734
Std Dev 0.5519

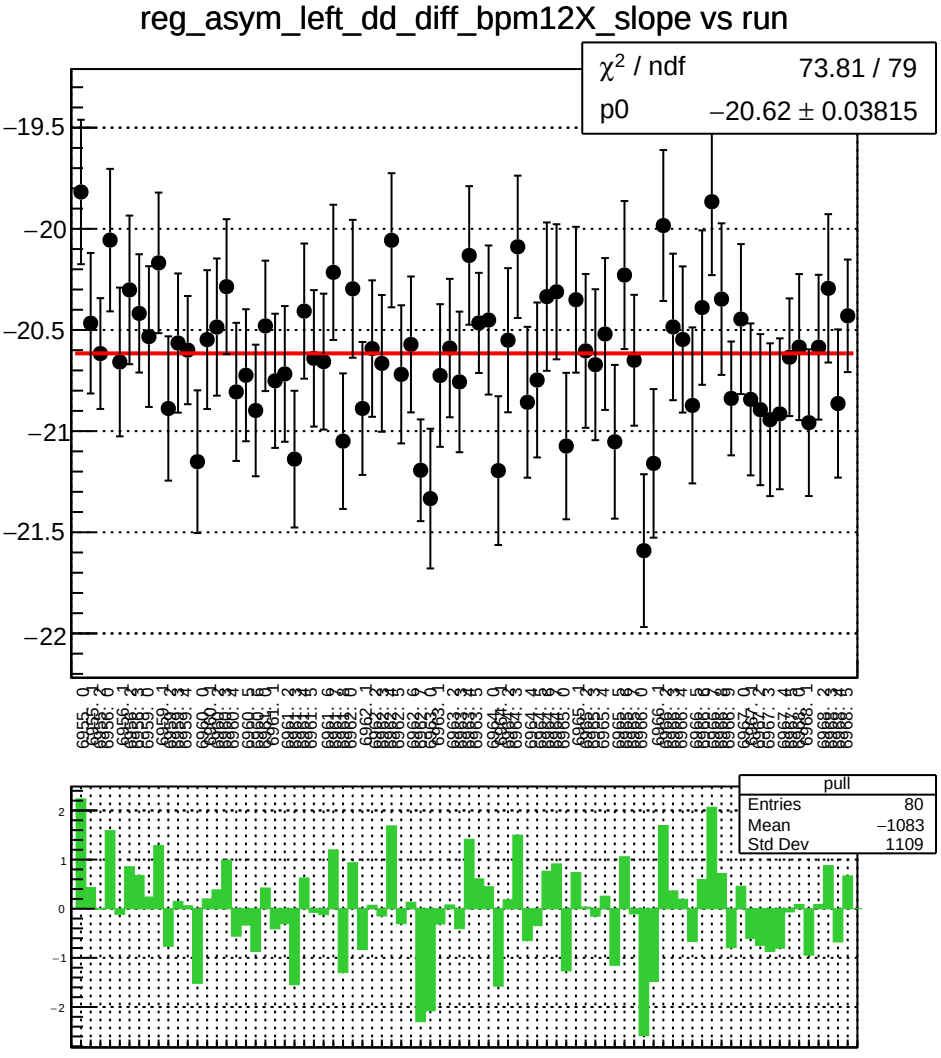

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 22.57 / 79
p0 1.755 ± 0.8595
pull
Entries 80
Mean −128.4
Std Dev 163.3

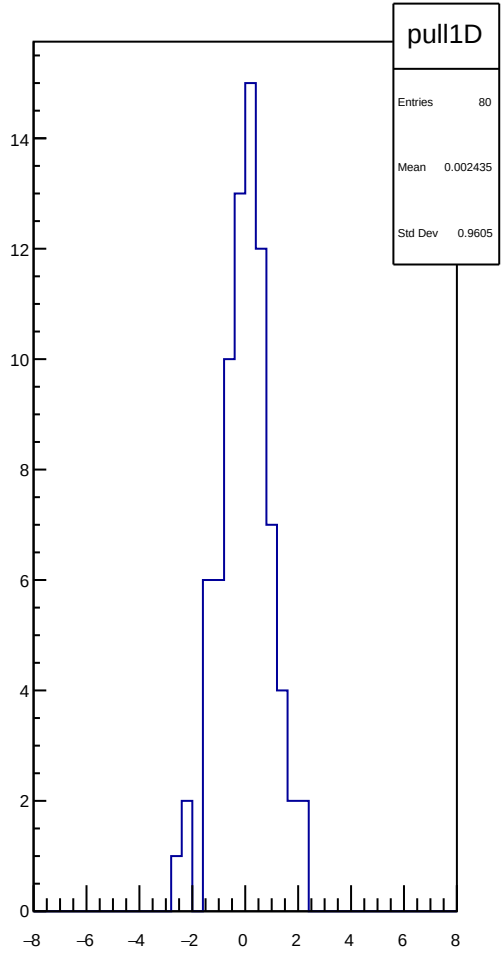

pull1D
Entries 80
Mean 0.009447
Std Dev 0.531

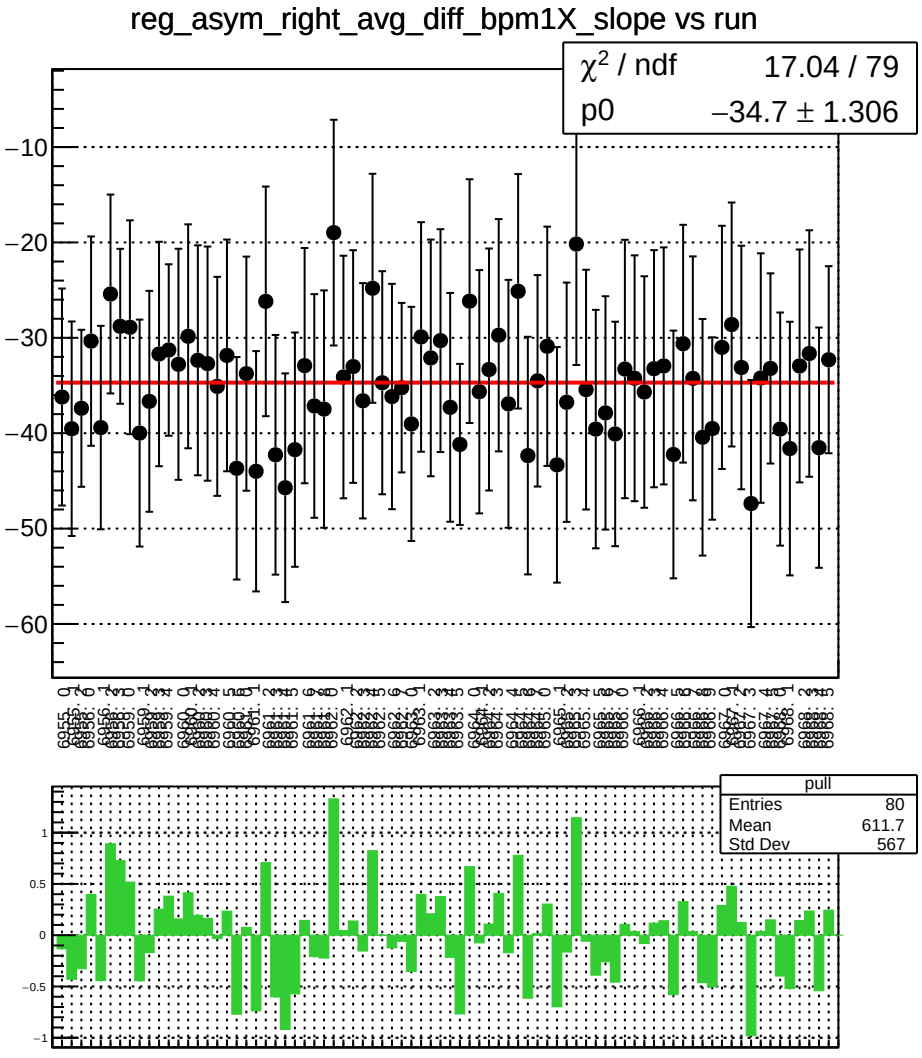

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.41 / 79
p0 7.549 ± 1.161
pull
Entries 80
Mean −37.15
Std Dev 111.3
pull1D
Entries 80
Mean 0.002279
Std Dev 0.5524

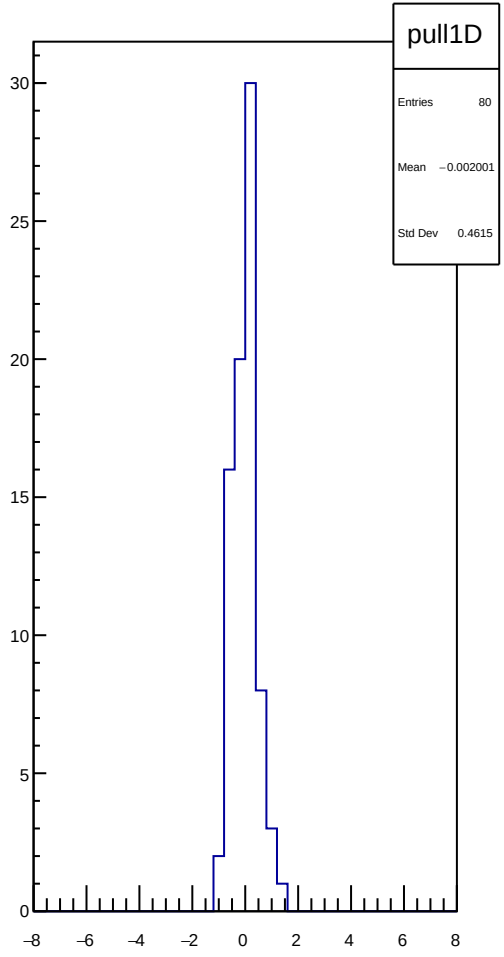

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.18 / 79
p0 8.694 ± 0.9776
pull
Entries 80
Mean −489.7
Std Dev 527.6

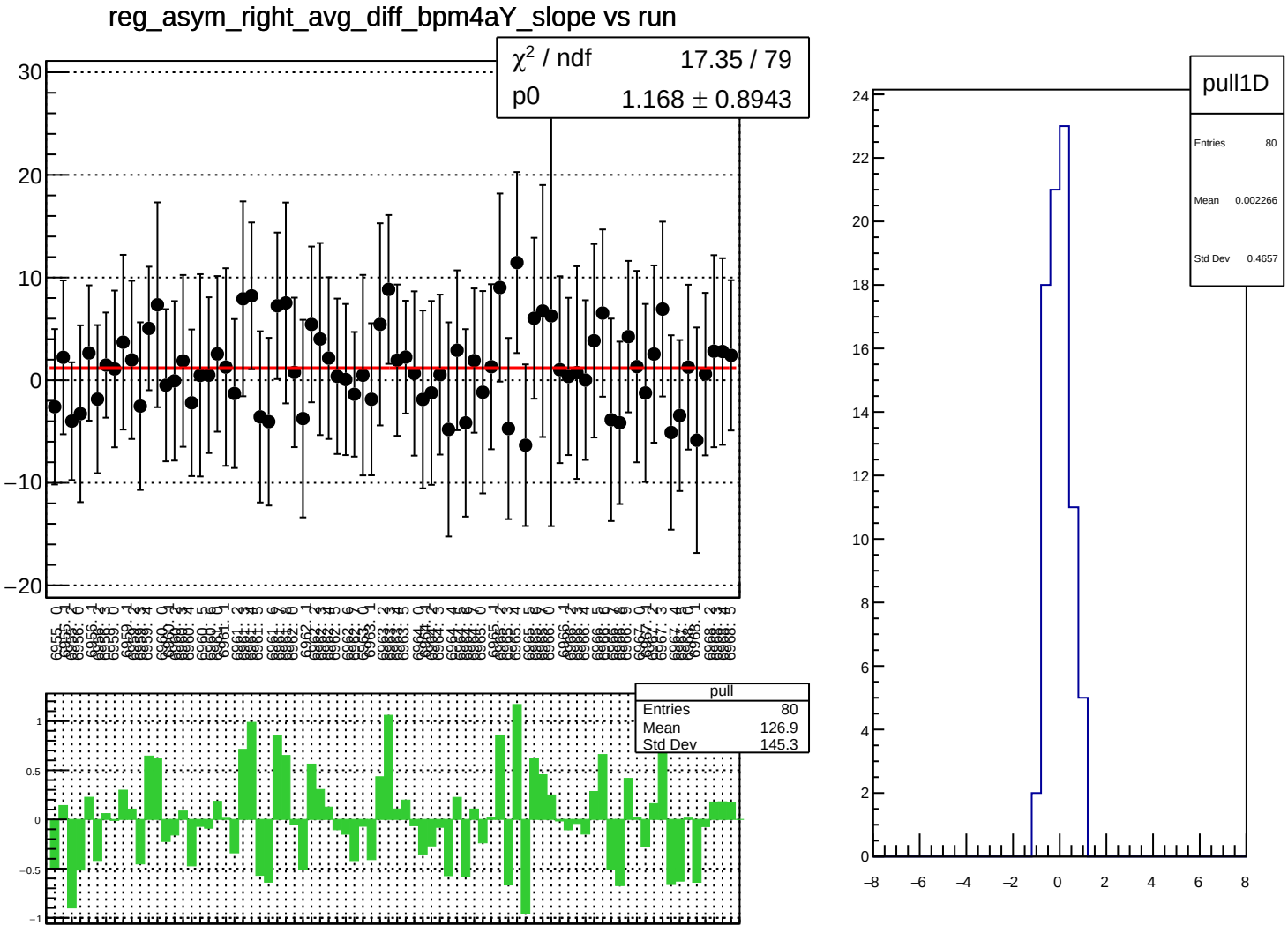

pull1D
Entries 80
Mean −0.003937
Std Dev 0.561

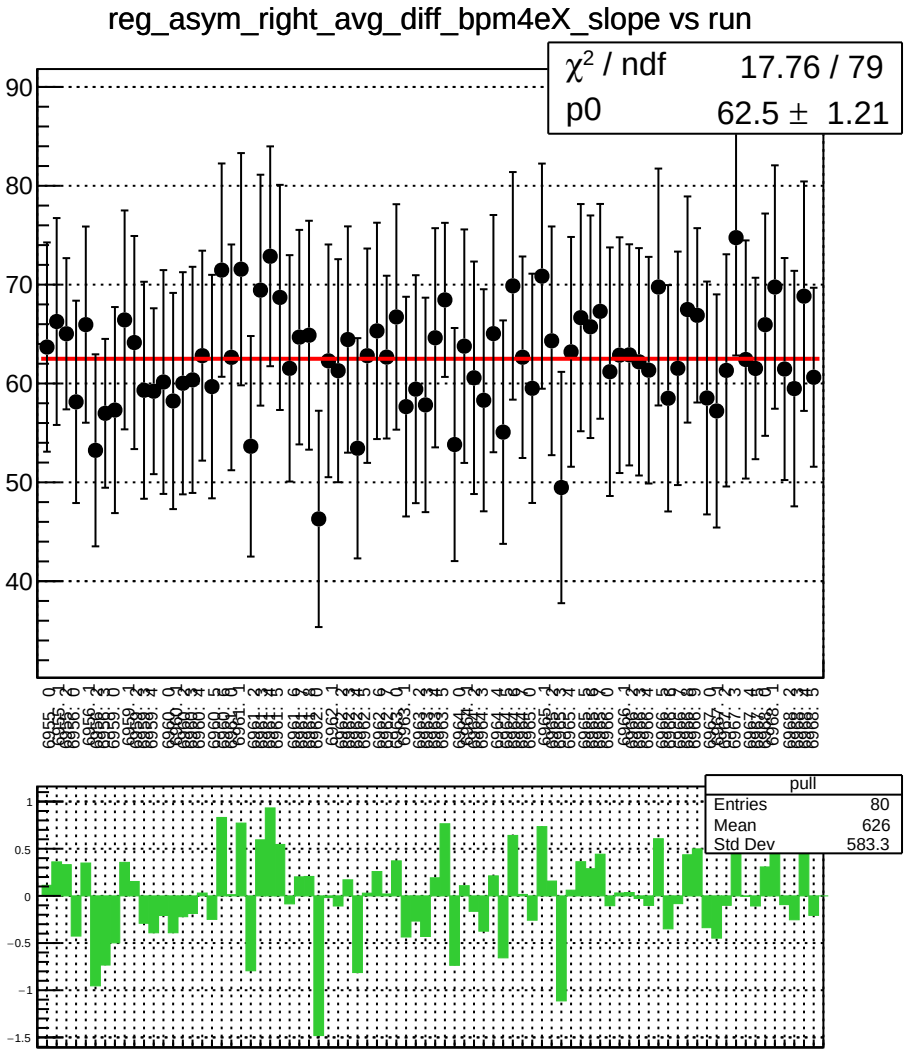

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 73.81 / 79
p0 −20.62 ± 0.03815
pull
Entries 80
Mean −1083
Std Dev 1109

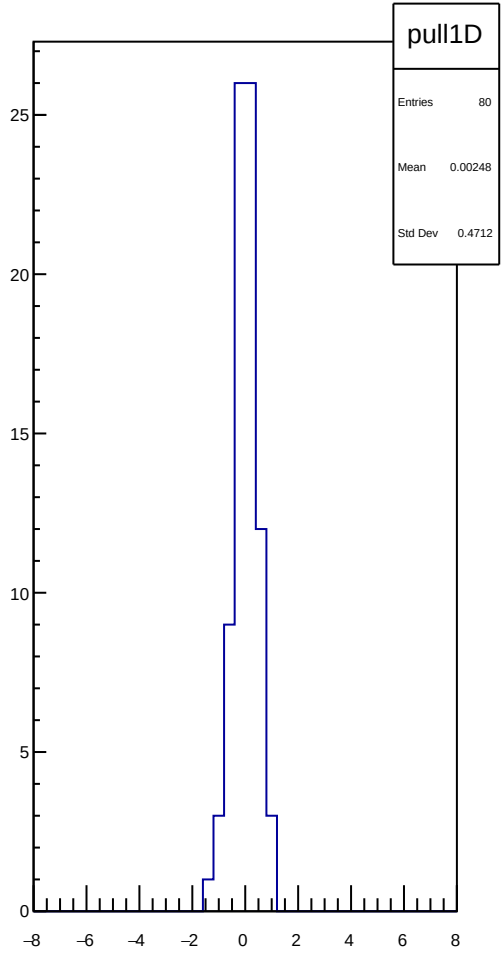

pull1D
Entries 80
Mean 0.002435
Std Dev 0.9605

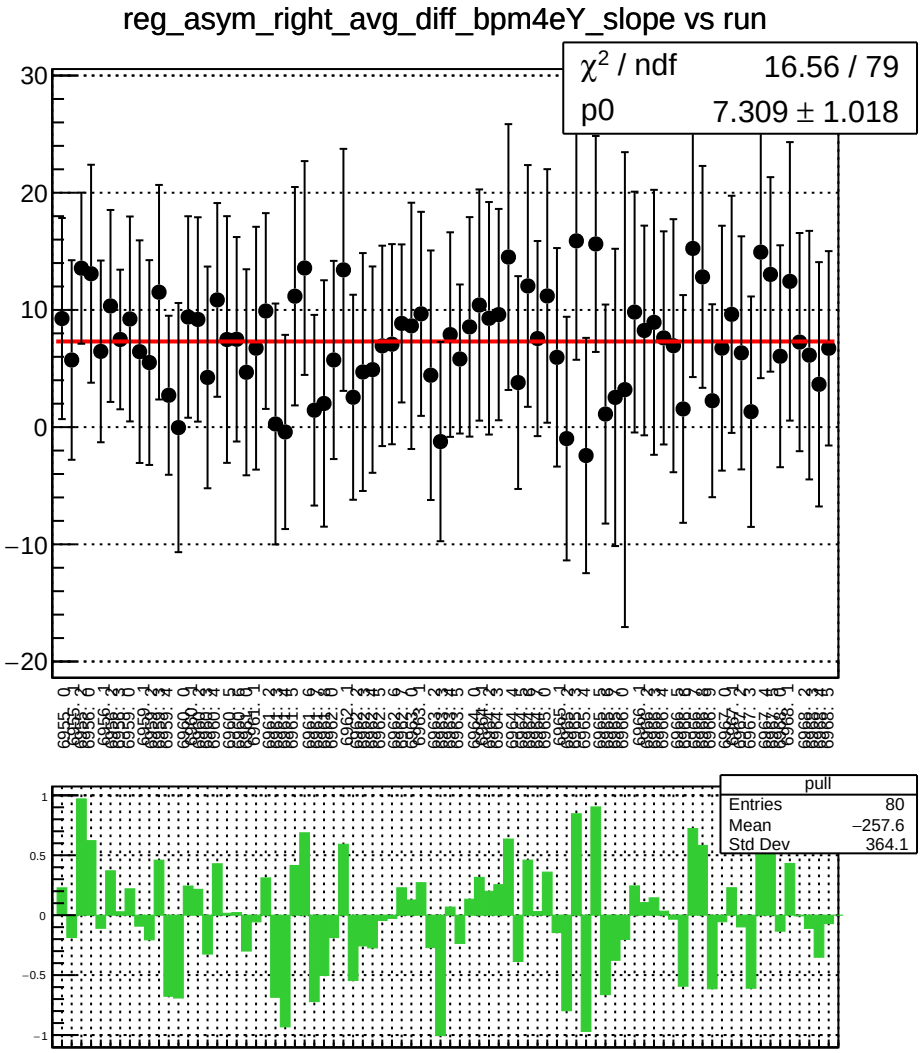

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 17.04 / 79
p0 −34.7 ± 1.306
pull
Entries 80
Mean 611.7
Std Dev 567

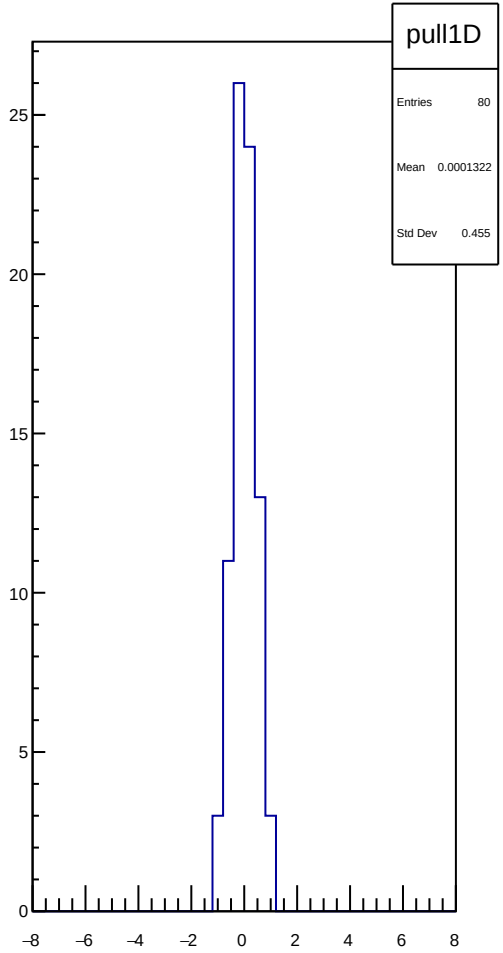

pull1D
Entries 80
Mean −0.002001
Std Dev 0.4615

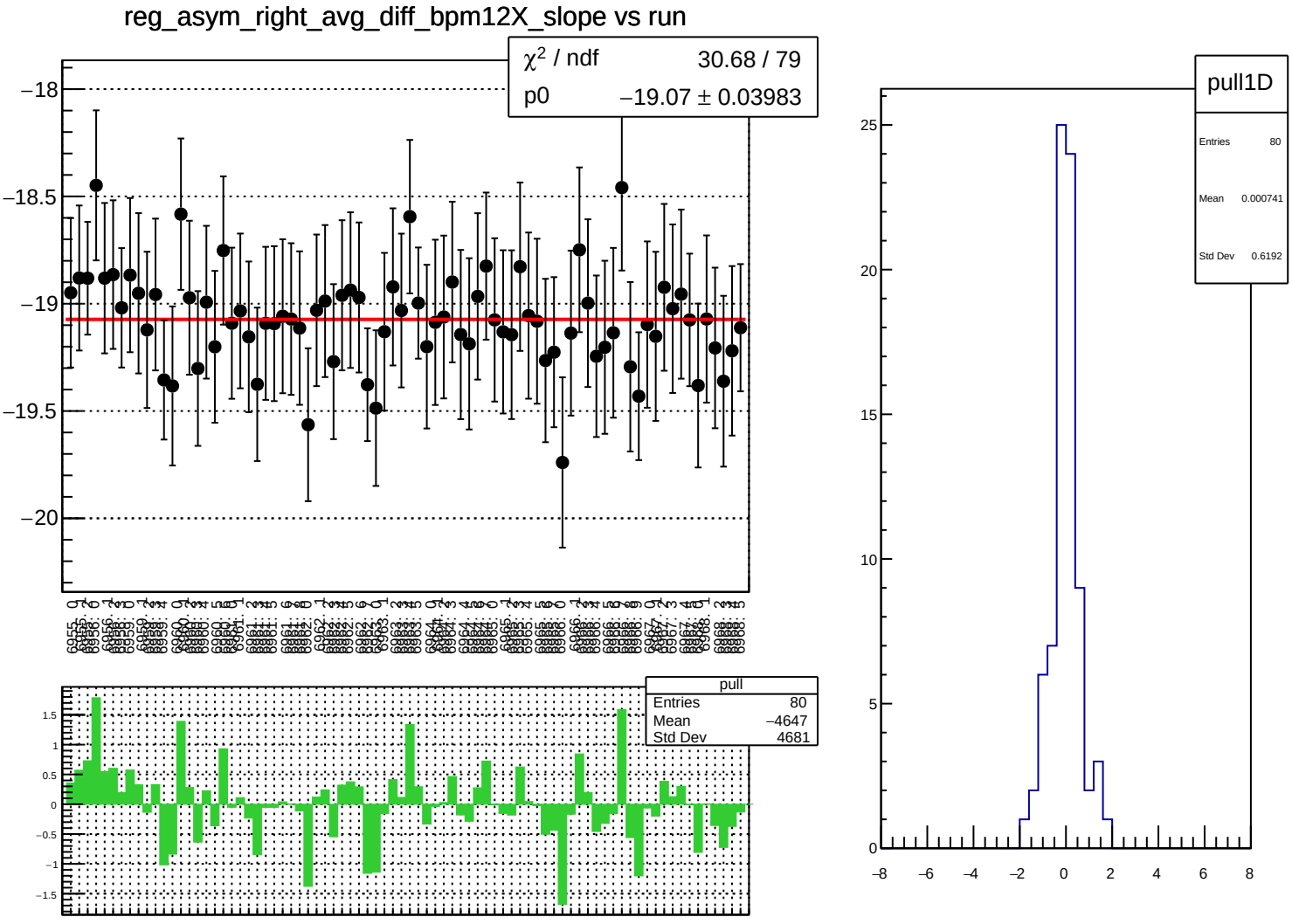

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.35 / 79
p0 1.168 ± 0.8943
pull
Entries 80
Mean 126.9
Std Dev 145.3
pull1D
Entries 80
Mean 0.002266
Std Dev 0.4657

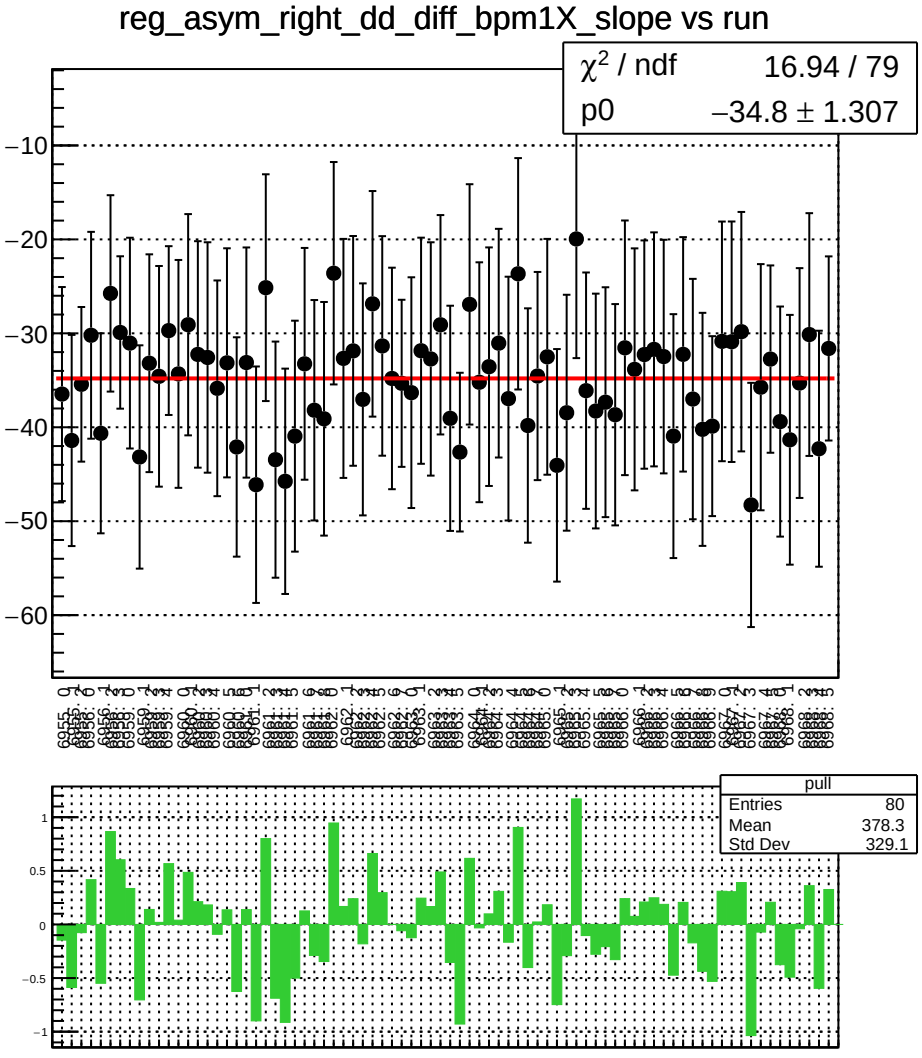

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.76 / 79
p0 62.5 ± 1.21
pull
Entries 80
Mean 626
Std Dev 583.3

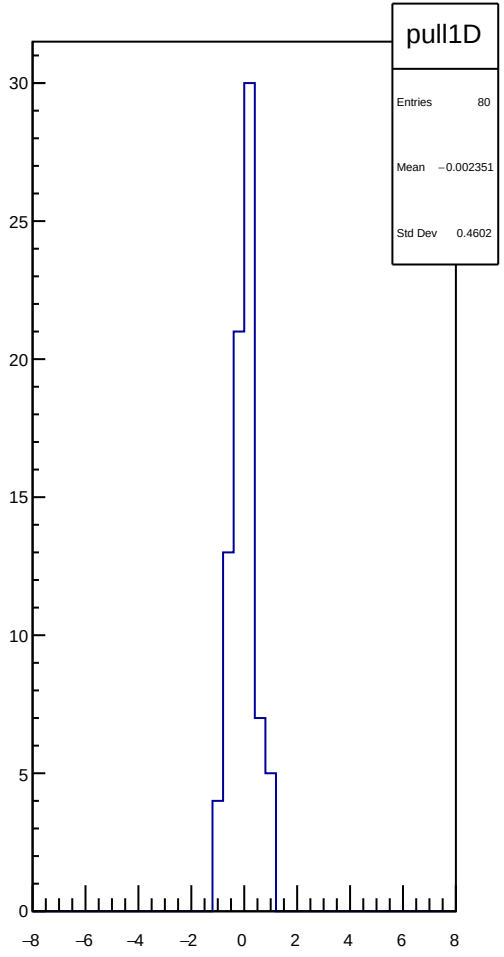

pull1D
Entries 80
Mean 0.00248
Std Dev 0.4712

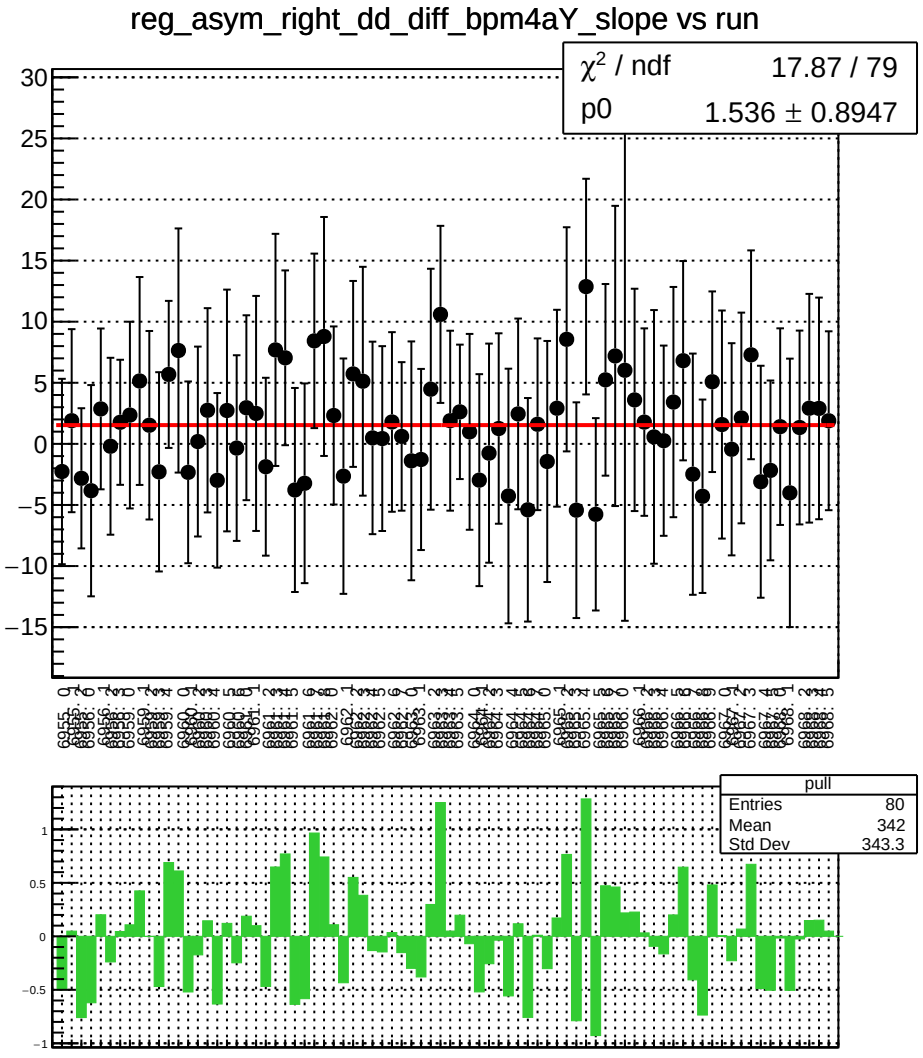

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.56 / 79
p0 7.309 ± 1.018
pull
Entries 80
Mean −257.6
Std Dev 364.1

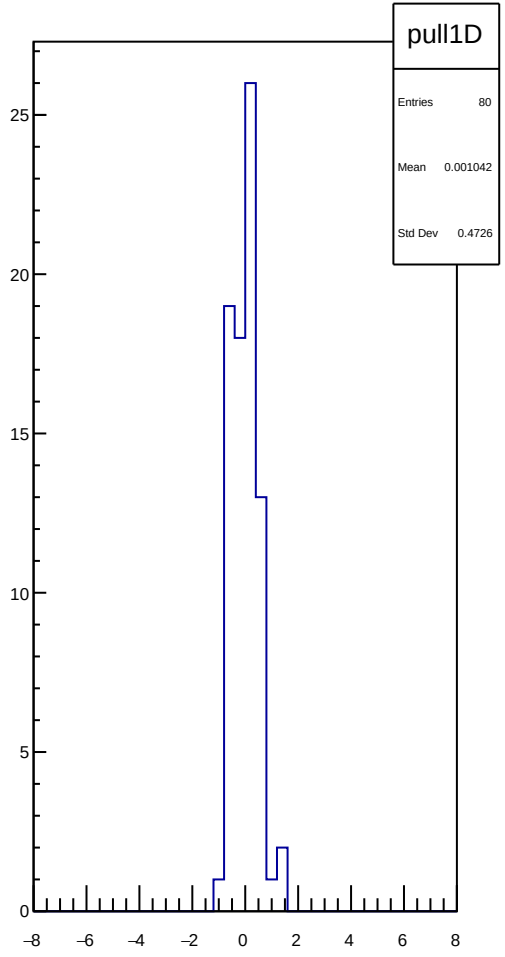

pull1D
Entries 80
Mean 0.0001322
Std Dev 0.455

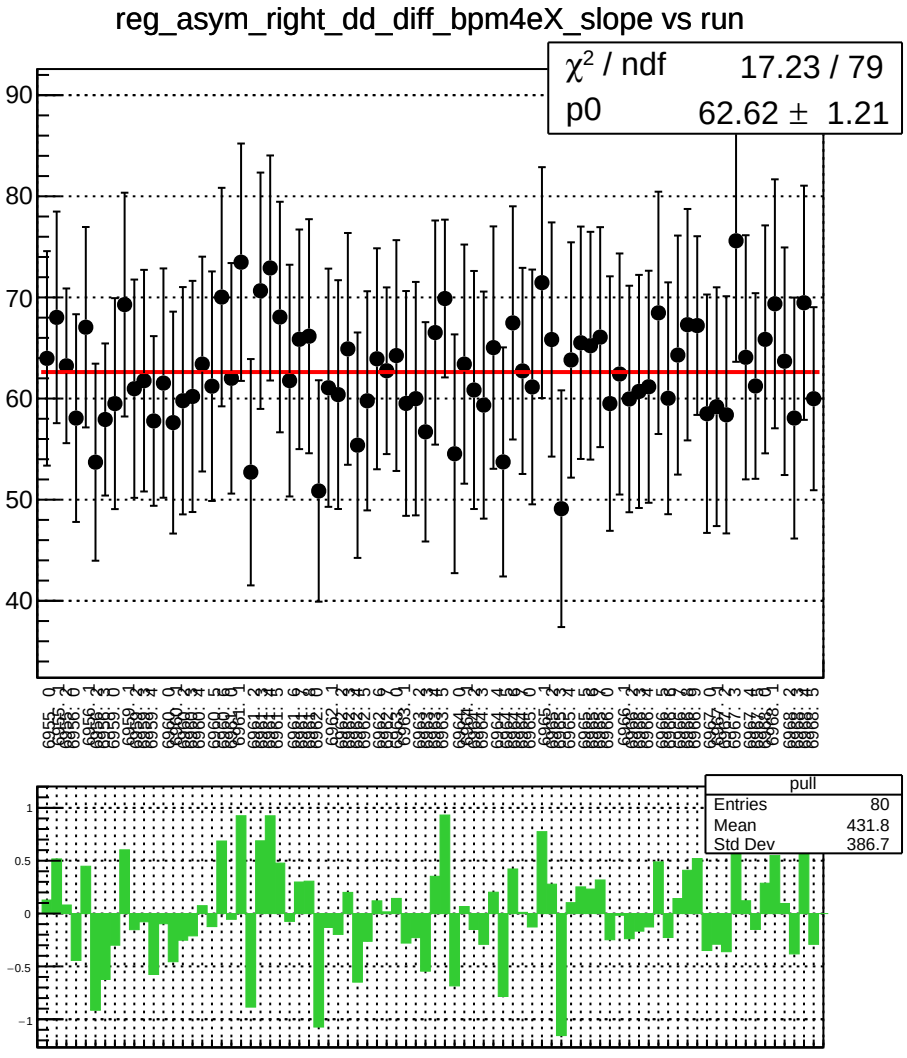

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 30.68 / 79
p0 −19.07 ± 0.03983
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean −4647
Std Dev 4681
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.000741
Std Dev 0.6192
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

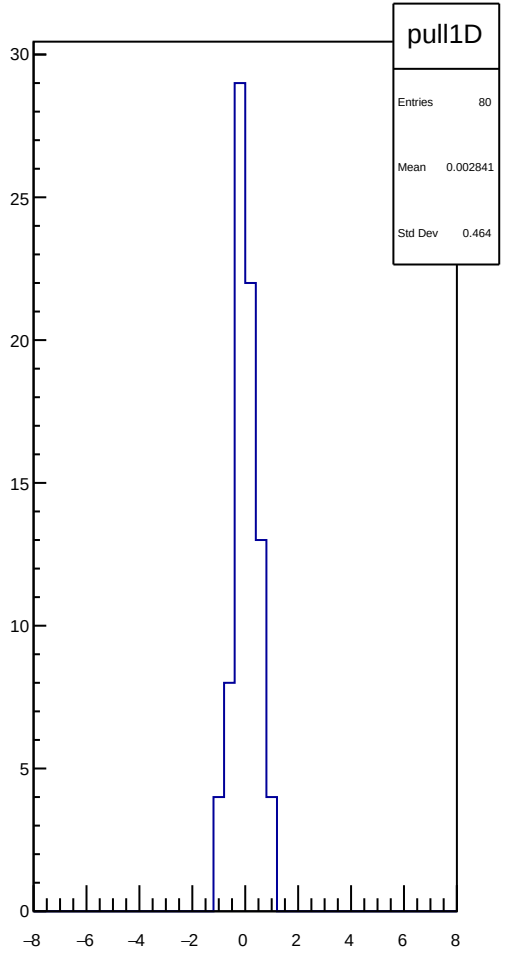

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 16.94 / 79
p0 −34.8 ± 1.307
pull
Entries 80
Mean 378.3
Std Dev 329.1

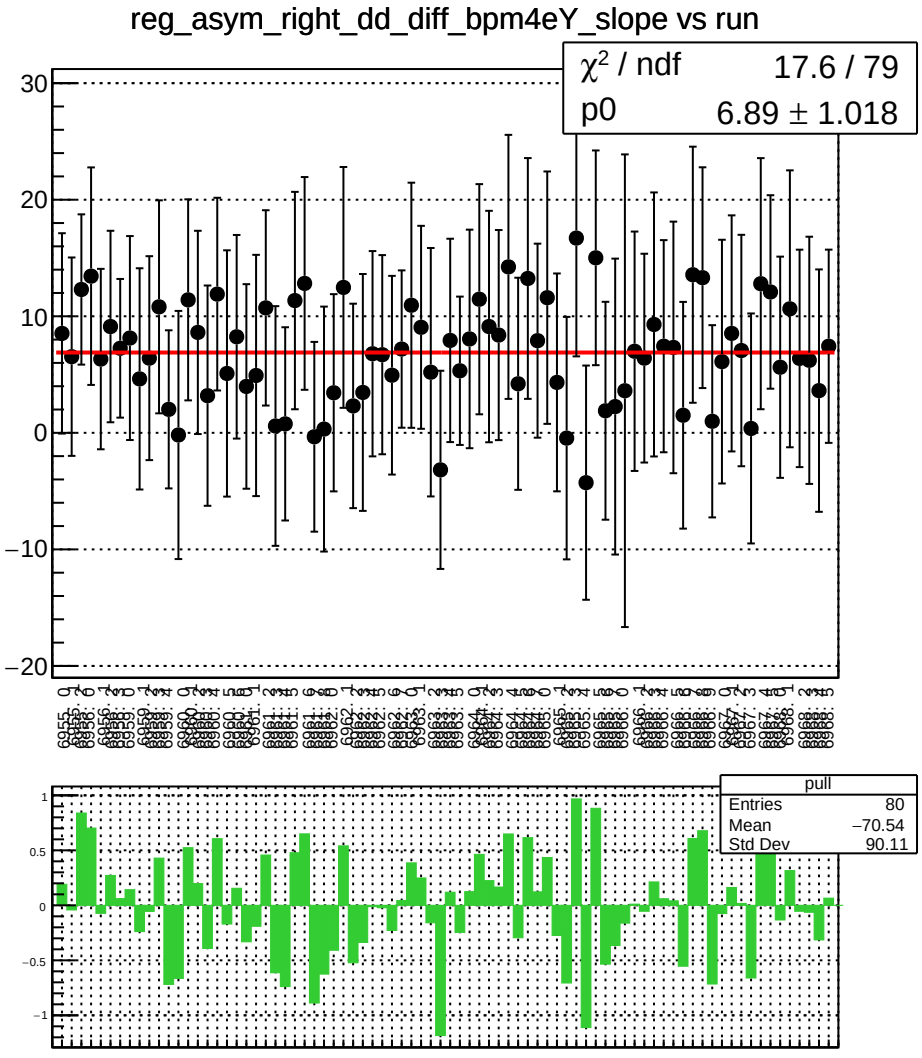

pull1D
Entries 80
Mean −0.002351
Std Dev 0.4602

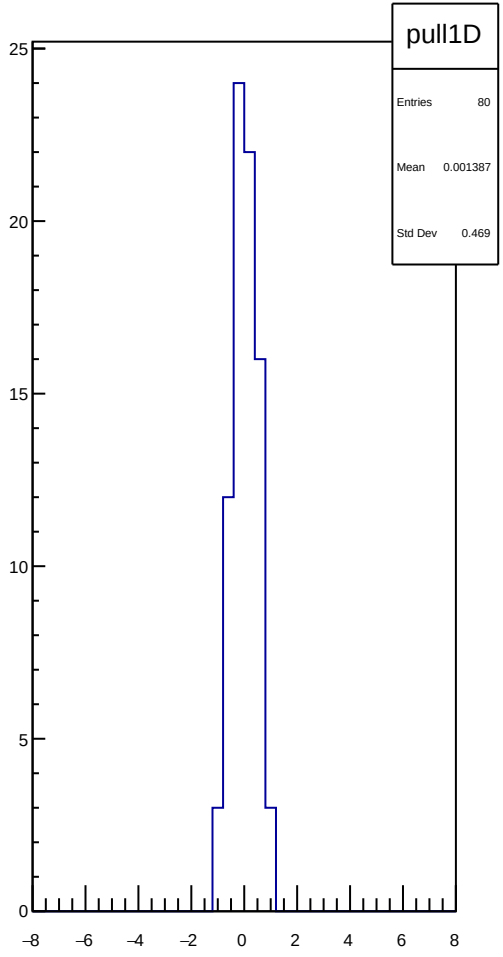

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 17.87 / 79
p0 1.536 ± 0.8947
pull
Entries 80
Mean 342
Std Dev 343.3

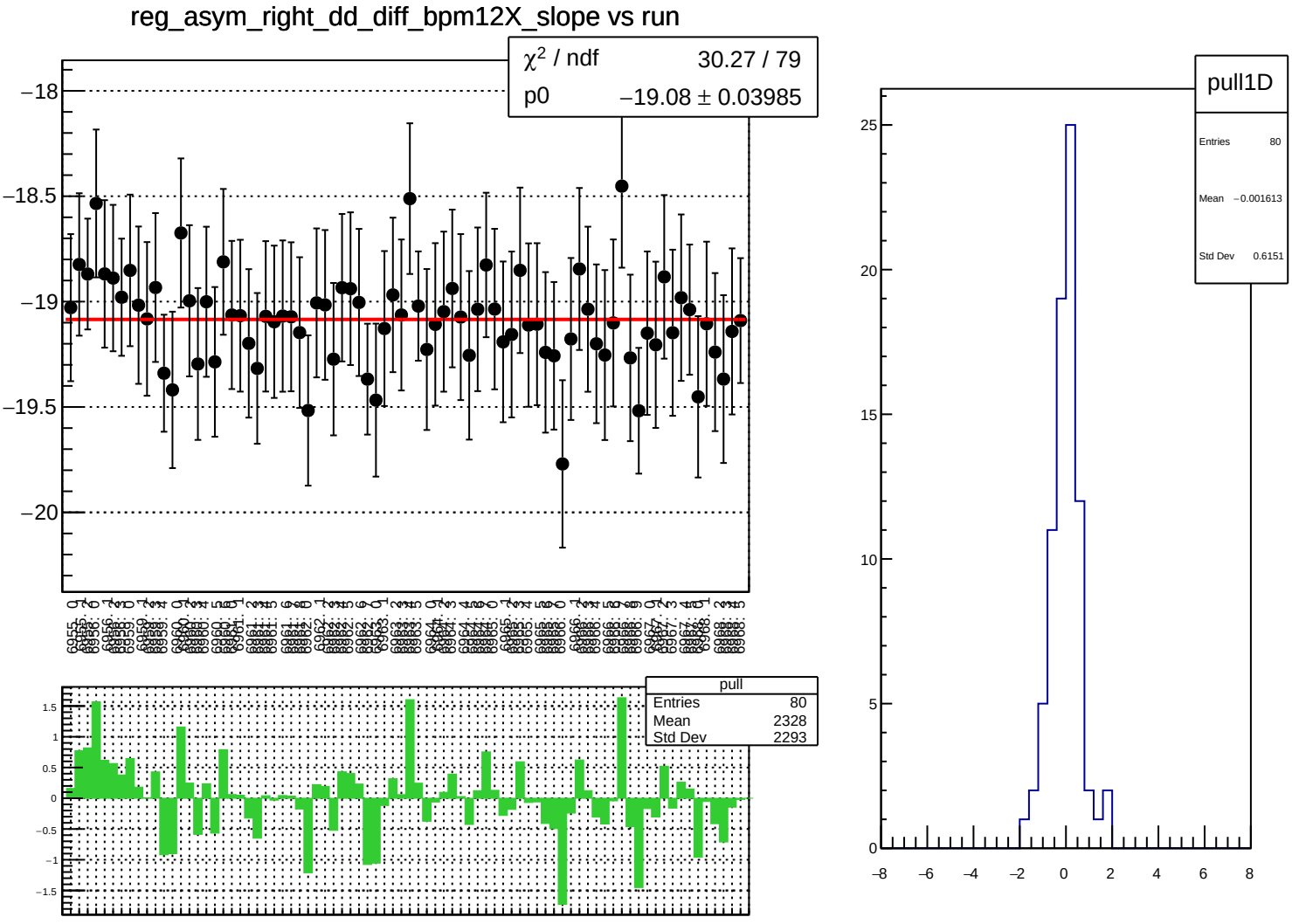

pull1D
Entries 80
Mean 0.001042
Std Dev 0.4726

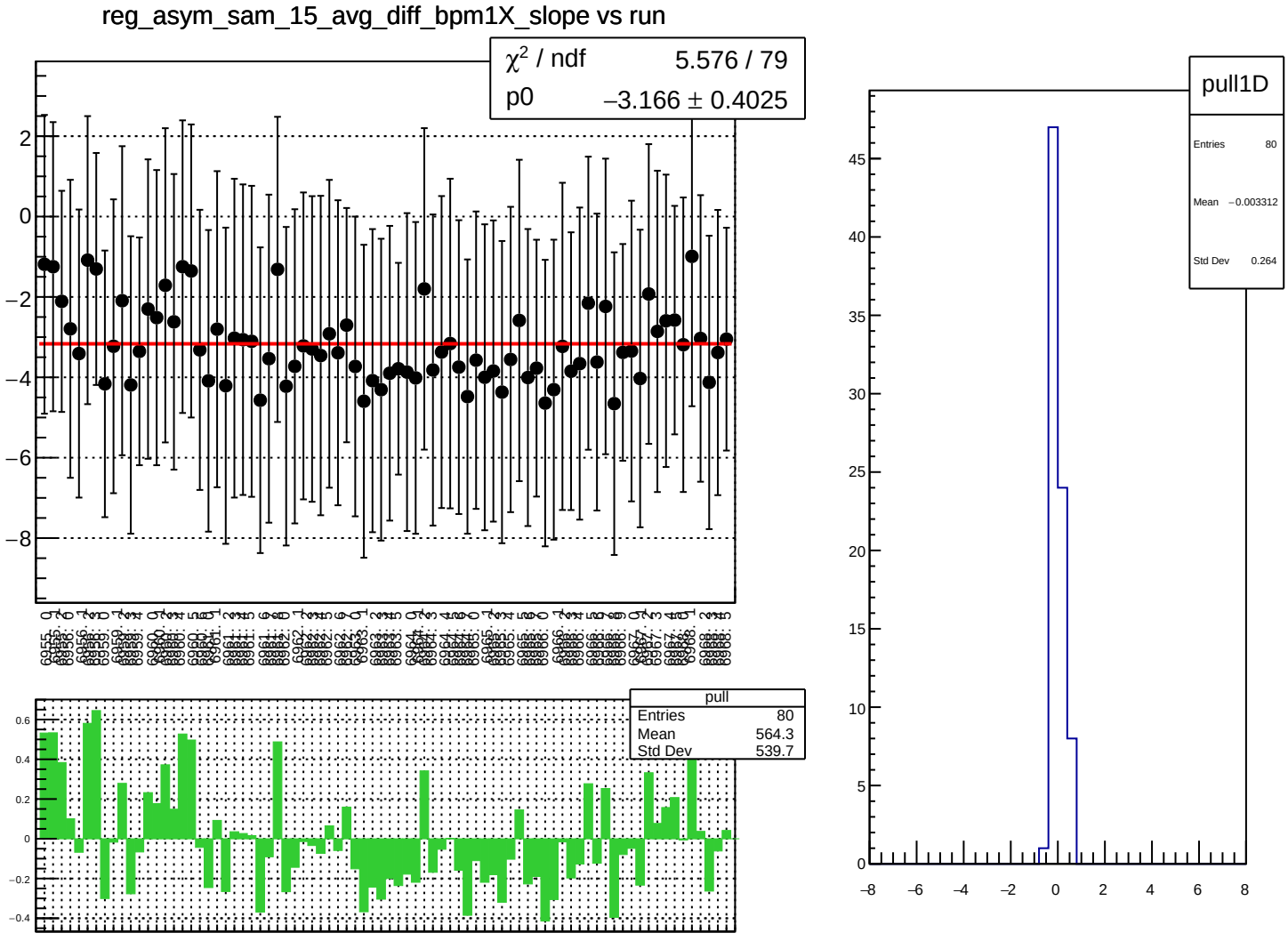

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.23 / 79
p0 62.62 ± 1.21
pull
Entries 80
Mean 431.8
Std Dev 386.7

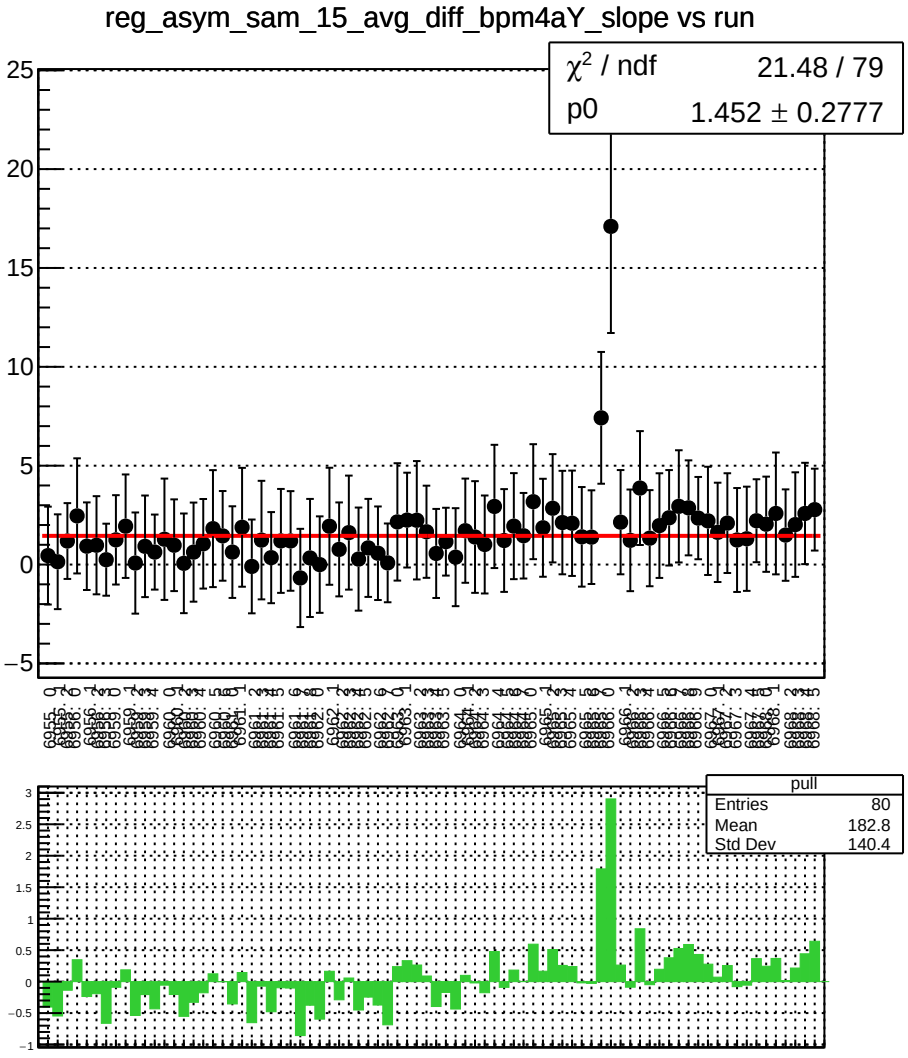

pull1D
Entries 80
Mean 0.002841
Std Dev 0.464

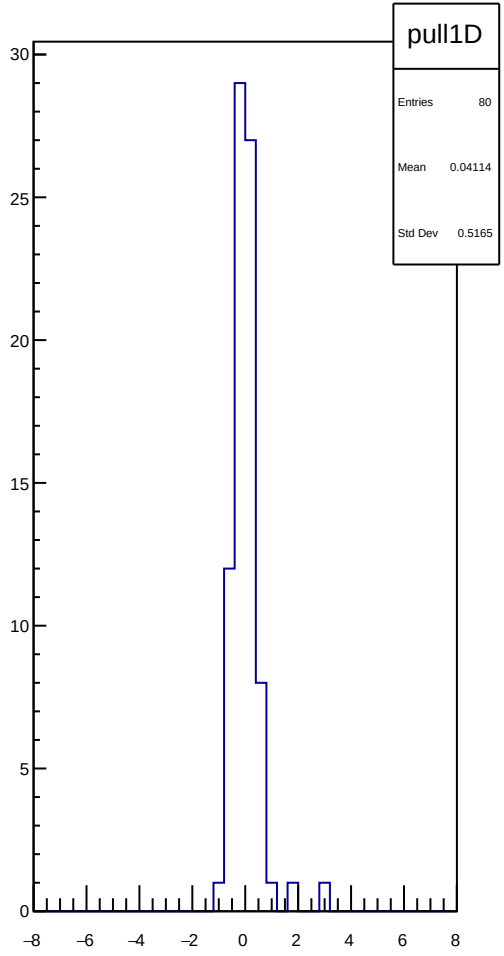

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.6 / 79
p0 6.89 ± 1.018
pull
Entries 80
Mean −70.54
Std Dev 90.11

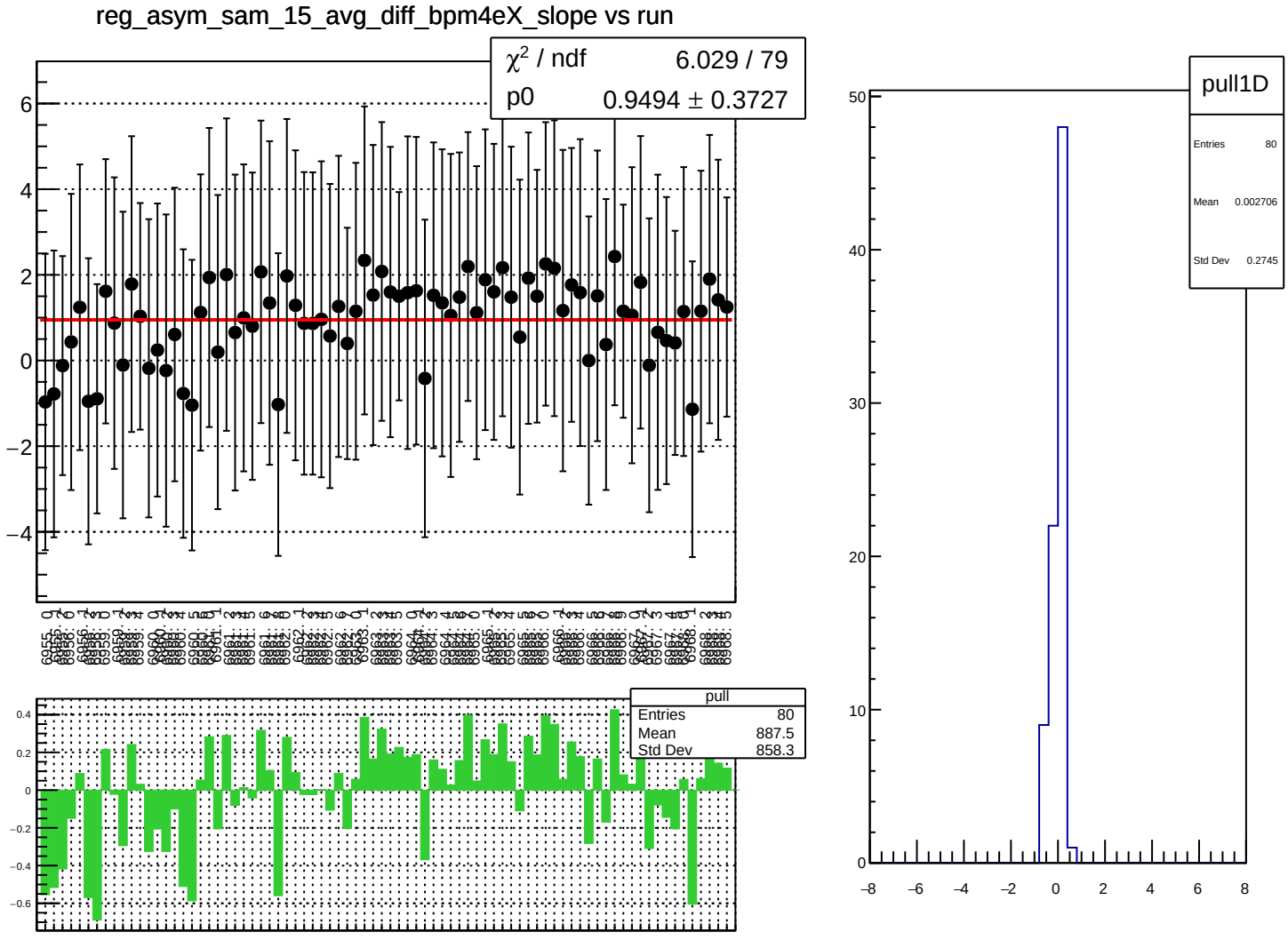

pull1D
Entries 80
Mean 0.001387
Std Dev 0.469

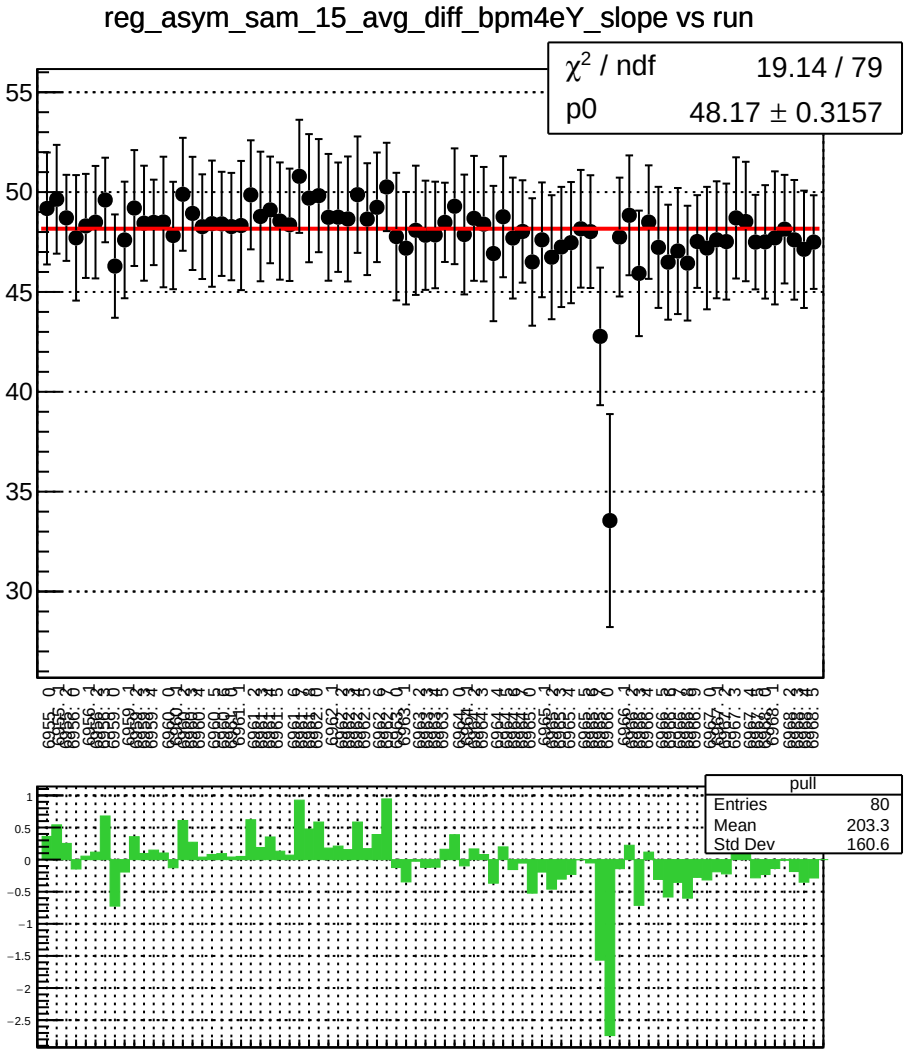

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.27 / 79
p0 −19.08 ± 0.03985
pull
Entries 80
Mean 2328
Std Dev 2293
pull1D
Entries 80
Mean −0.001613
Std Dev 0.6151

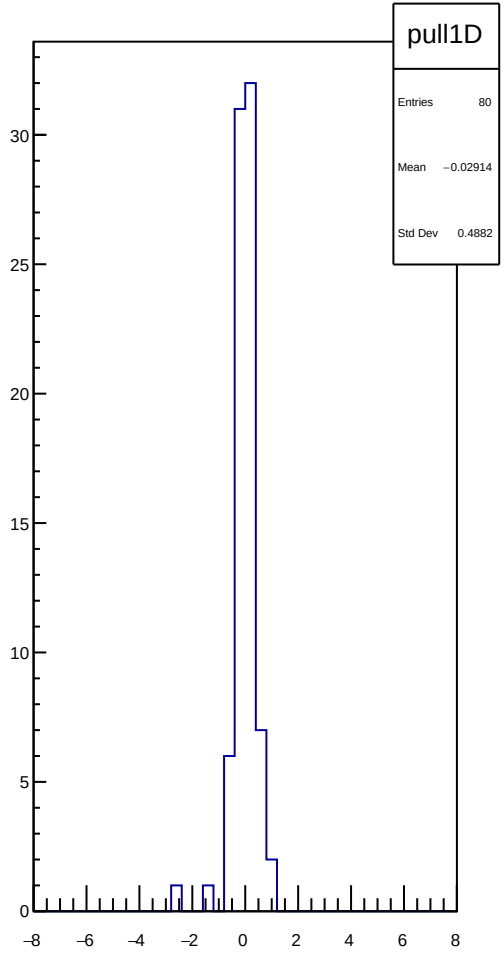

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 5.576 / 79
p0 −3.166 ± 0.4025
pull
Entries 80
Mean 564.3
Std Dev 539.7
pull1D
Entries 80
Mean −0.003312
Std Dev 0.264

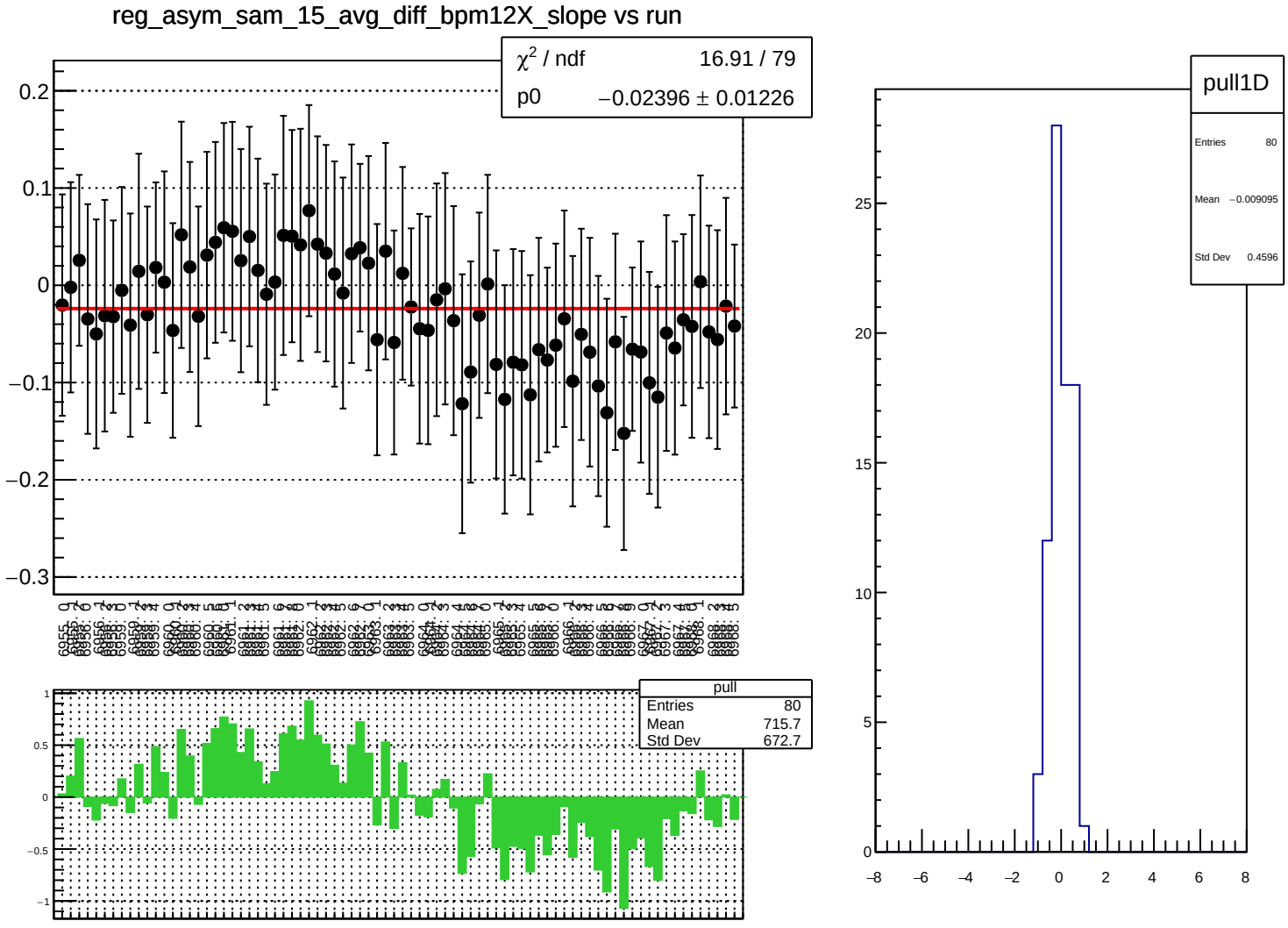

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.48 / 79
p0 1.452 ± 0.2777
pull
Entries 80
Mean 182.8
Std Dev 140.4

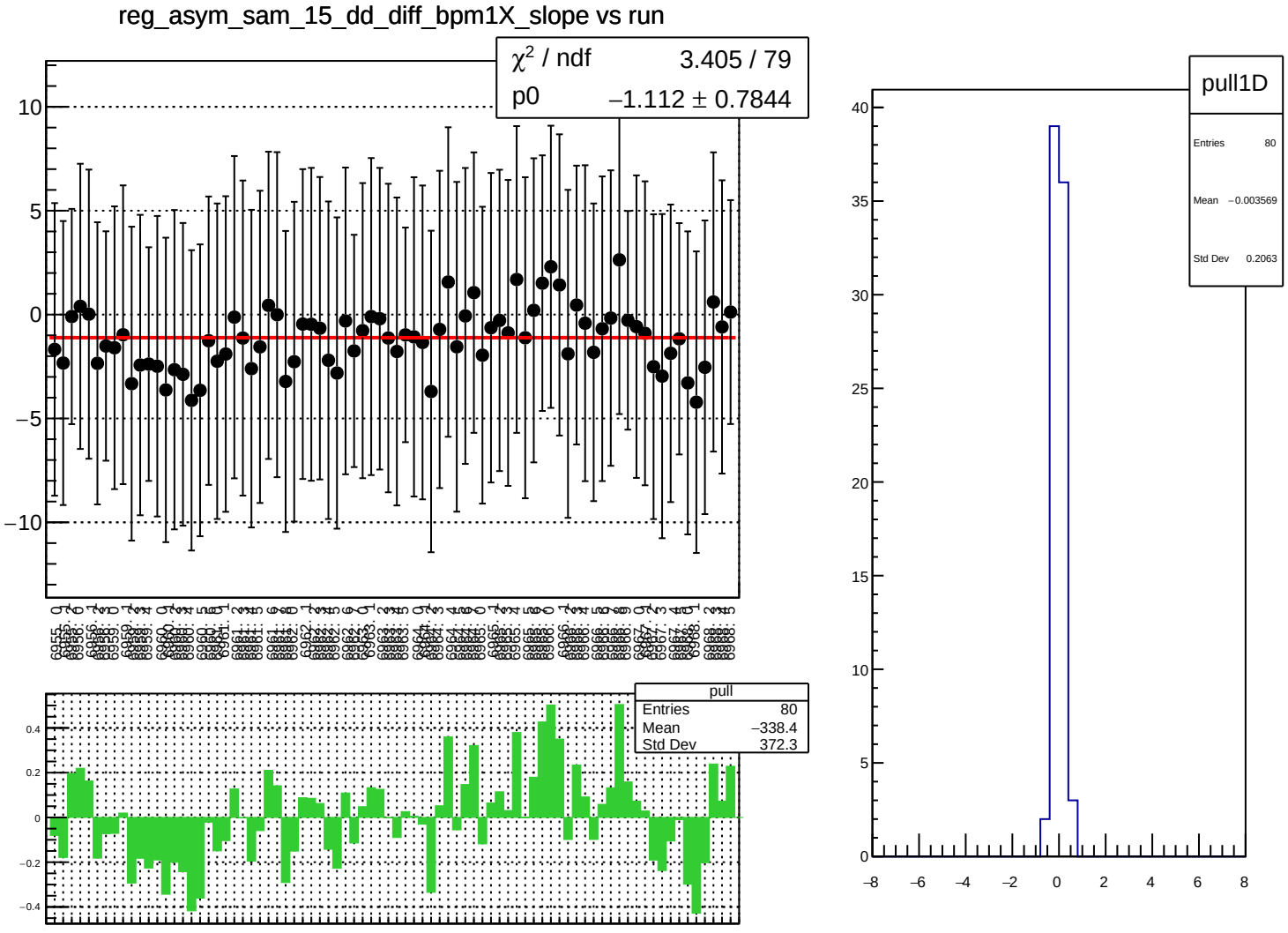

pull1D
Entries 80
Mean 0.04114
Std Dev 0.5165

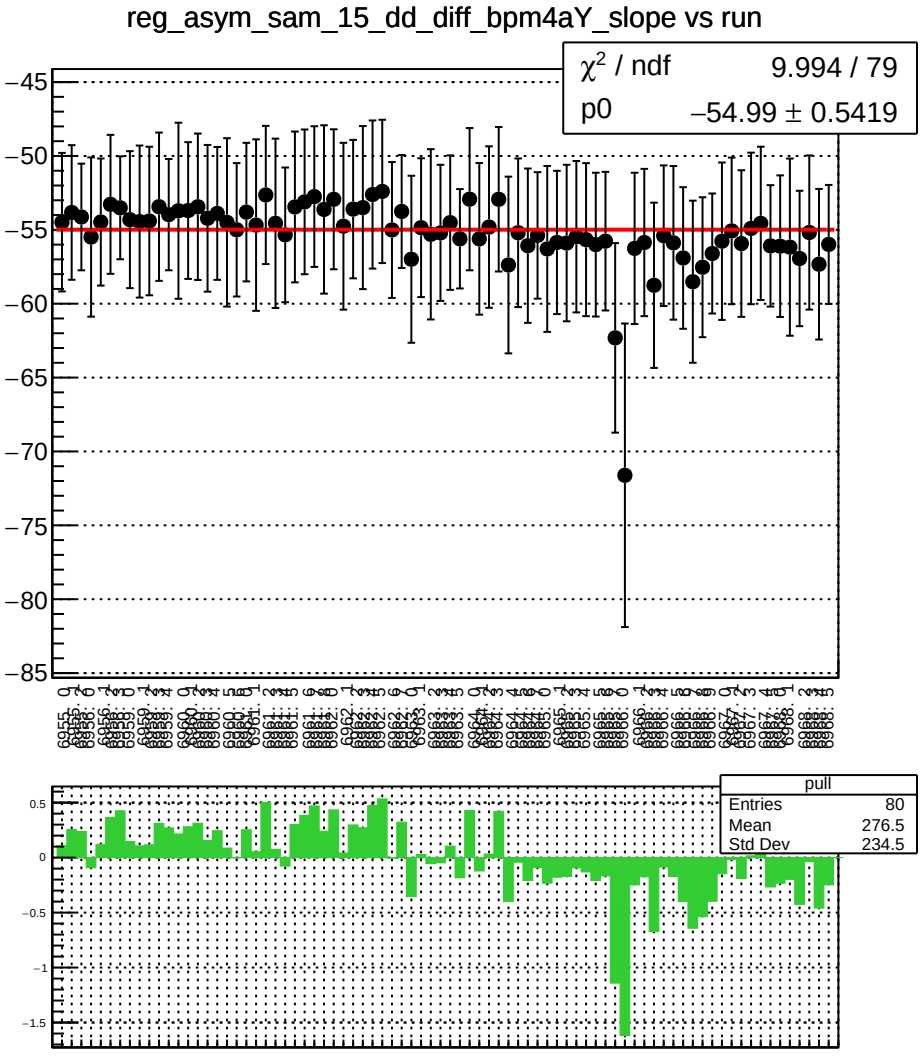

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.029 / 79
p0 0.9494 ± 0.3727
pull
Entries 80
Mean 887.5
Std Dev 858.3
pull1D
Entries 80
Mean 0.002706
Std Dev 0.2745

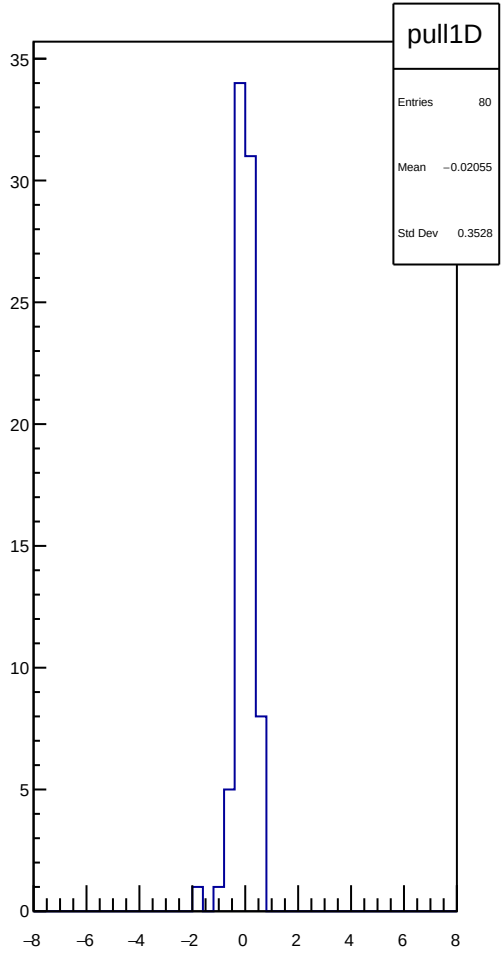

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.14 / 79
p0 48.17 ± 0.3157
pull
Entries 80
Mean 203.3
Std Dev 160.6

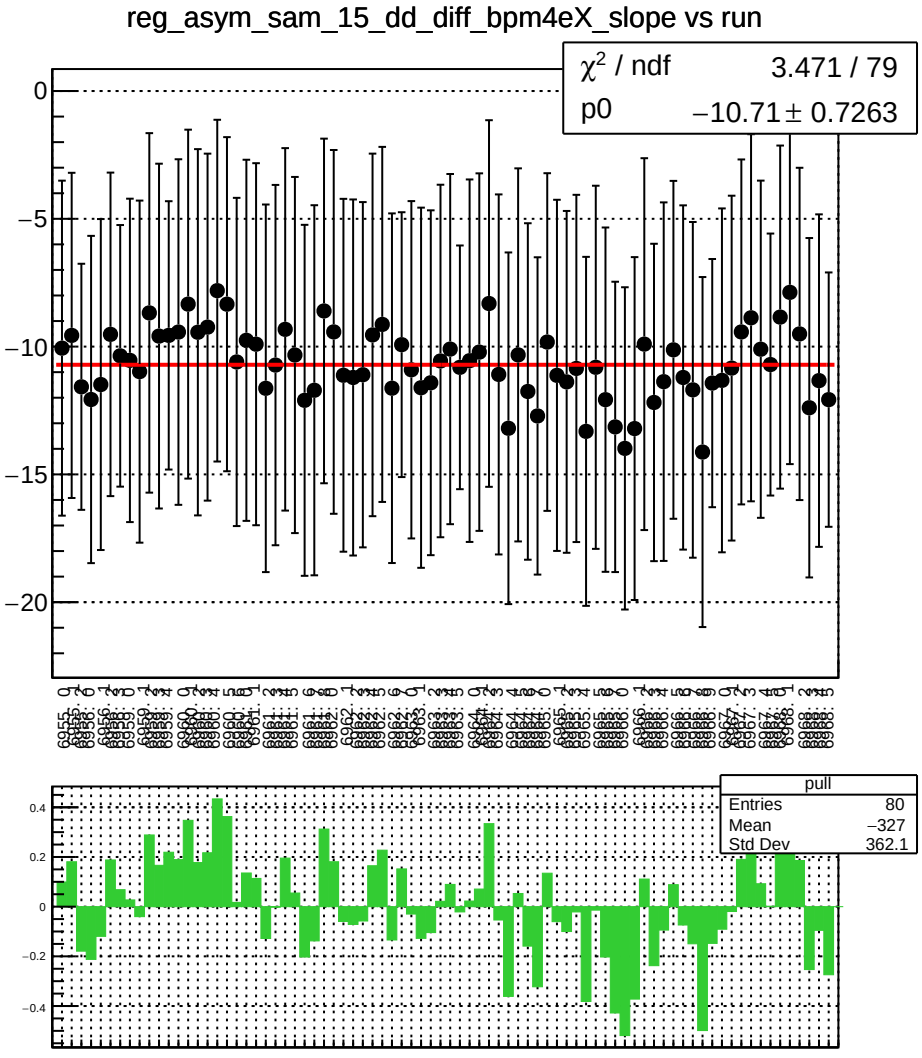

pull1D
Entries 80
Mean −0.02914
Std Dev 0.4882

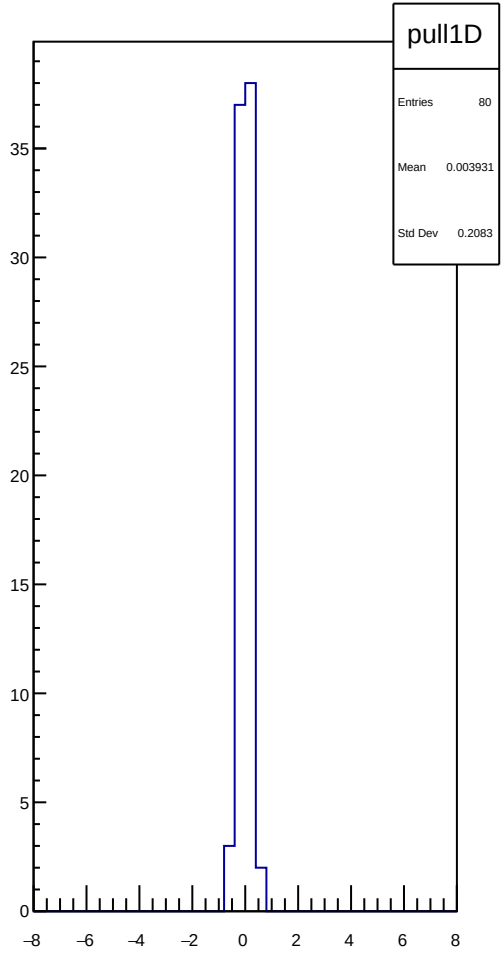

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 16.91 / 79
p0 −0.02396 ± 0.01226
pull
Entries 80
Mean 715.7
Std Dev 672.7
pull1D
Entries 80
Mean −0.009095
Std Dev 0.4596

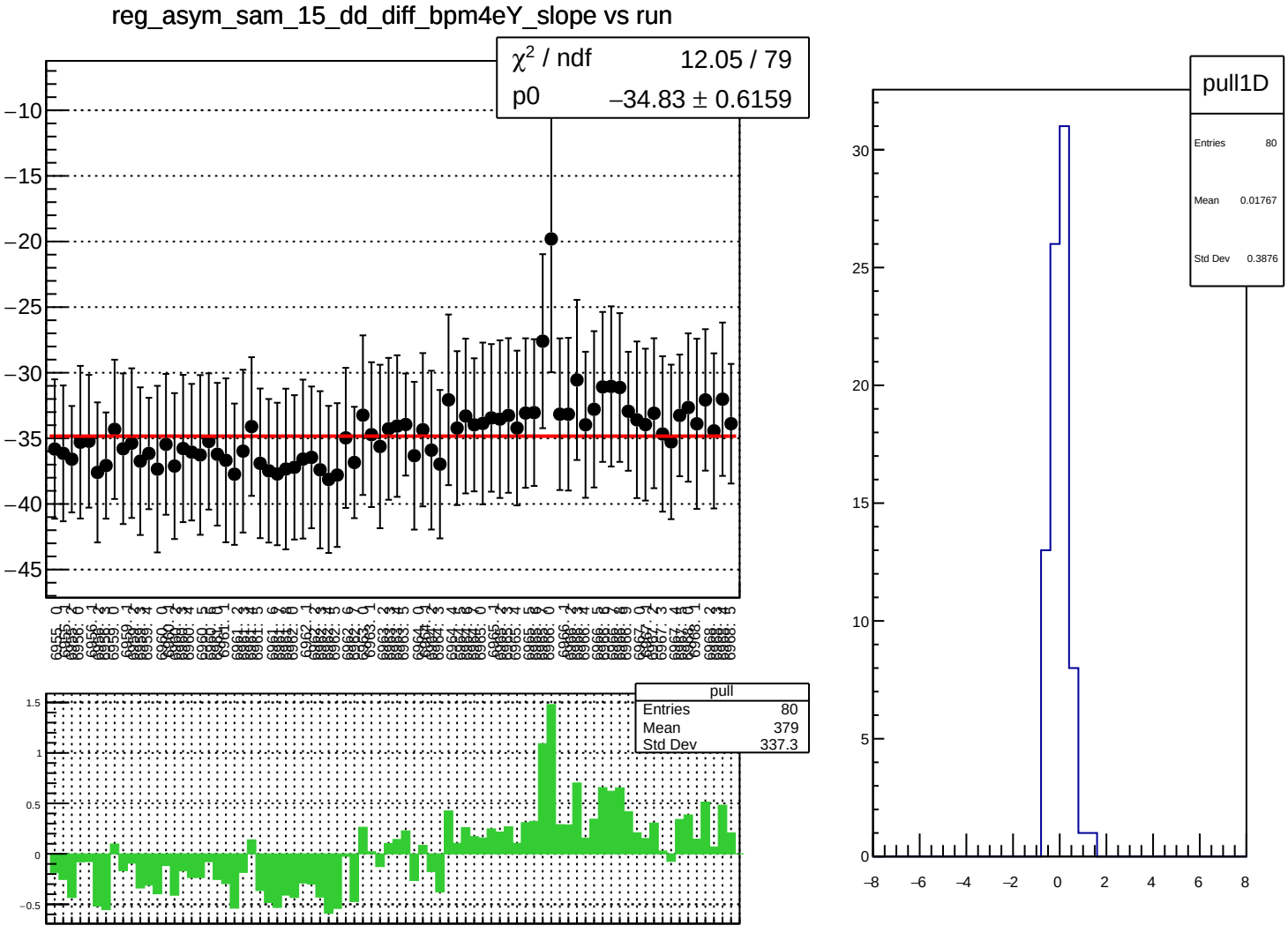

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.405 / 79
p0 −1.112 ± 0.7844
pull
Entries 80
Mean −338.4
Std Dev 372.3
pull1D
Entries 80
Mean −0.003569
Std Dev 0.2063

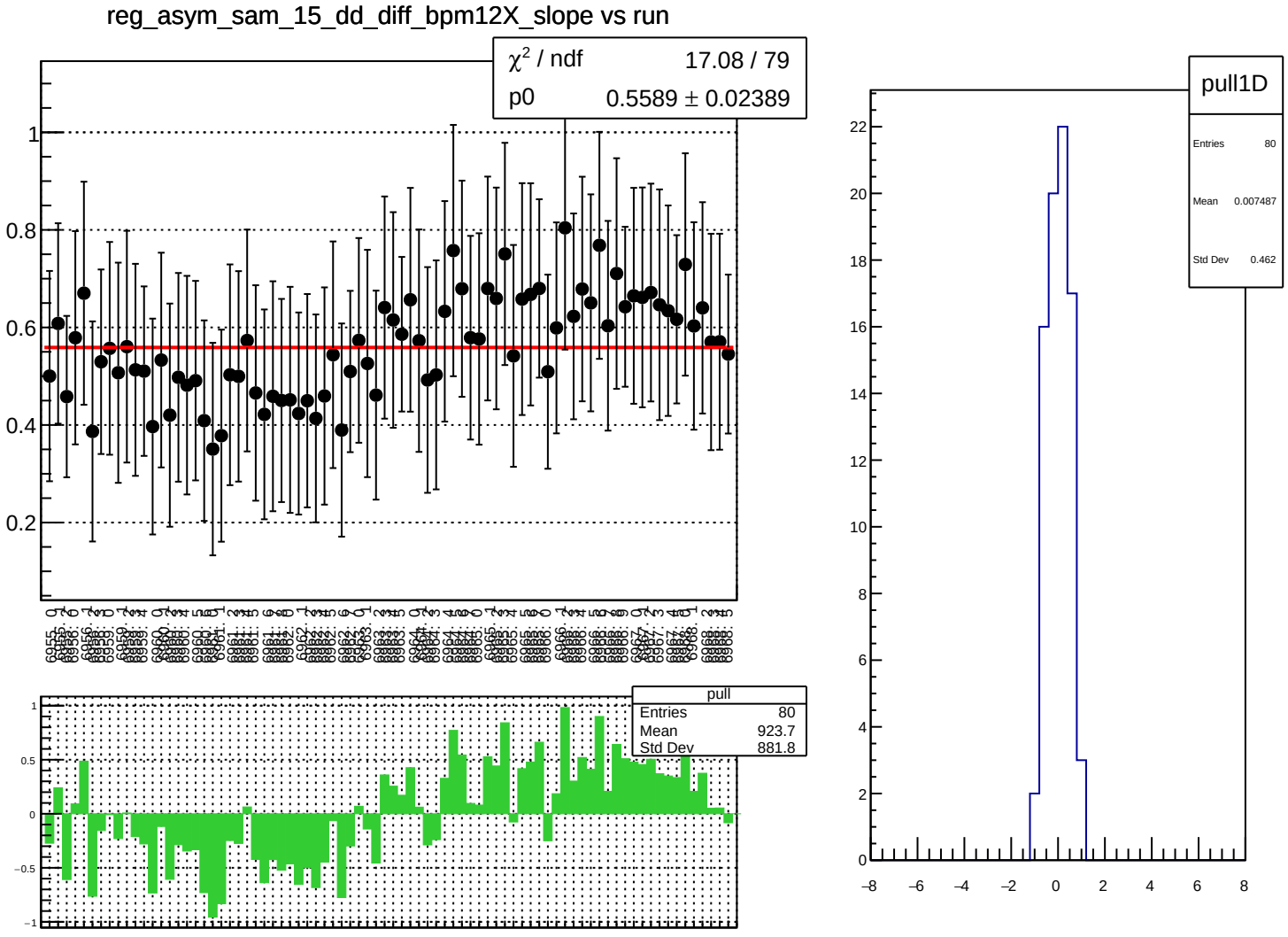

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.994 / 79
p0 −54.99 ± 0.5419
pull
Entries 80
Mean 276.5
Std Dev 234.5

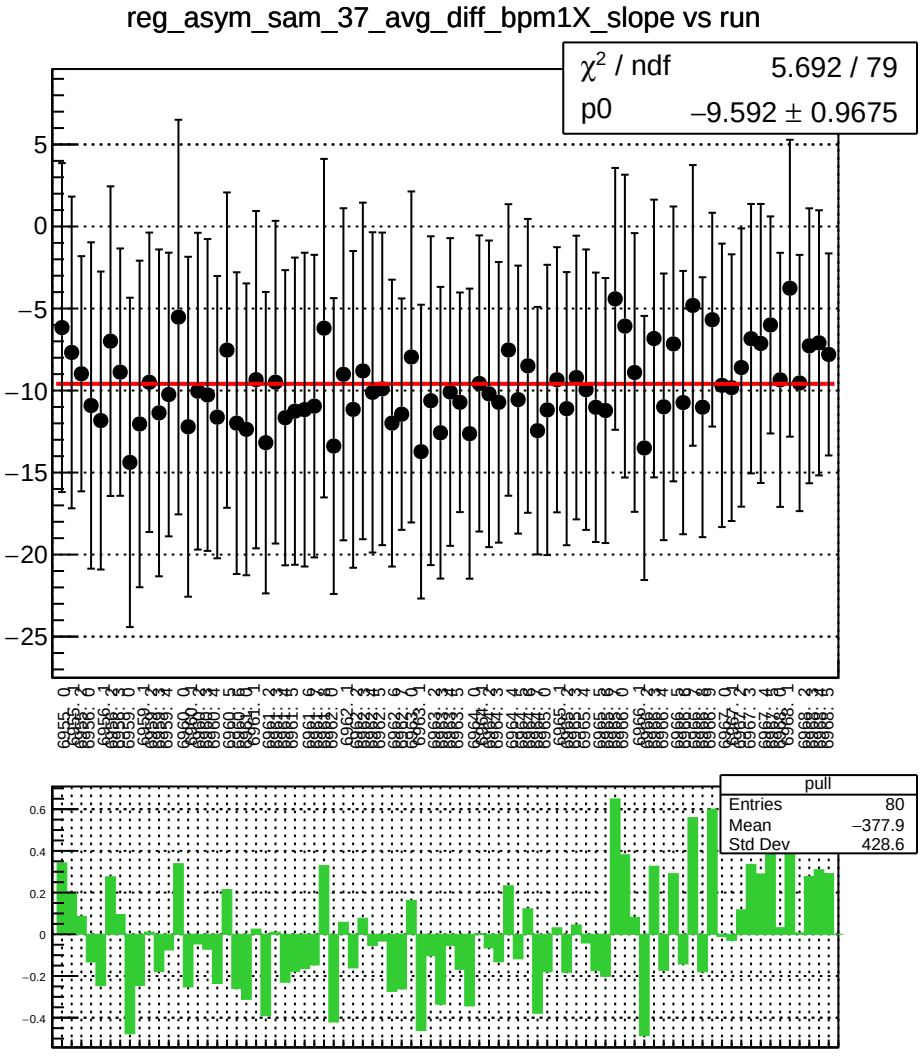

pull1D
Entries 80
Mean −0.02055
Std Dev 0.3528

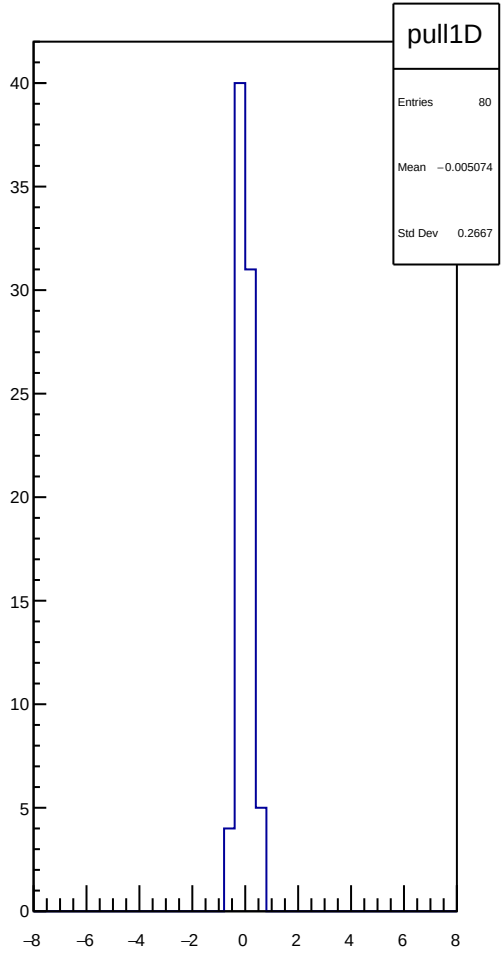

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 3.471 / 79
p0 −10.71 ± 0.7263
pull
Entries 80
Mean −327
Std Dev 362.1

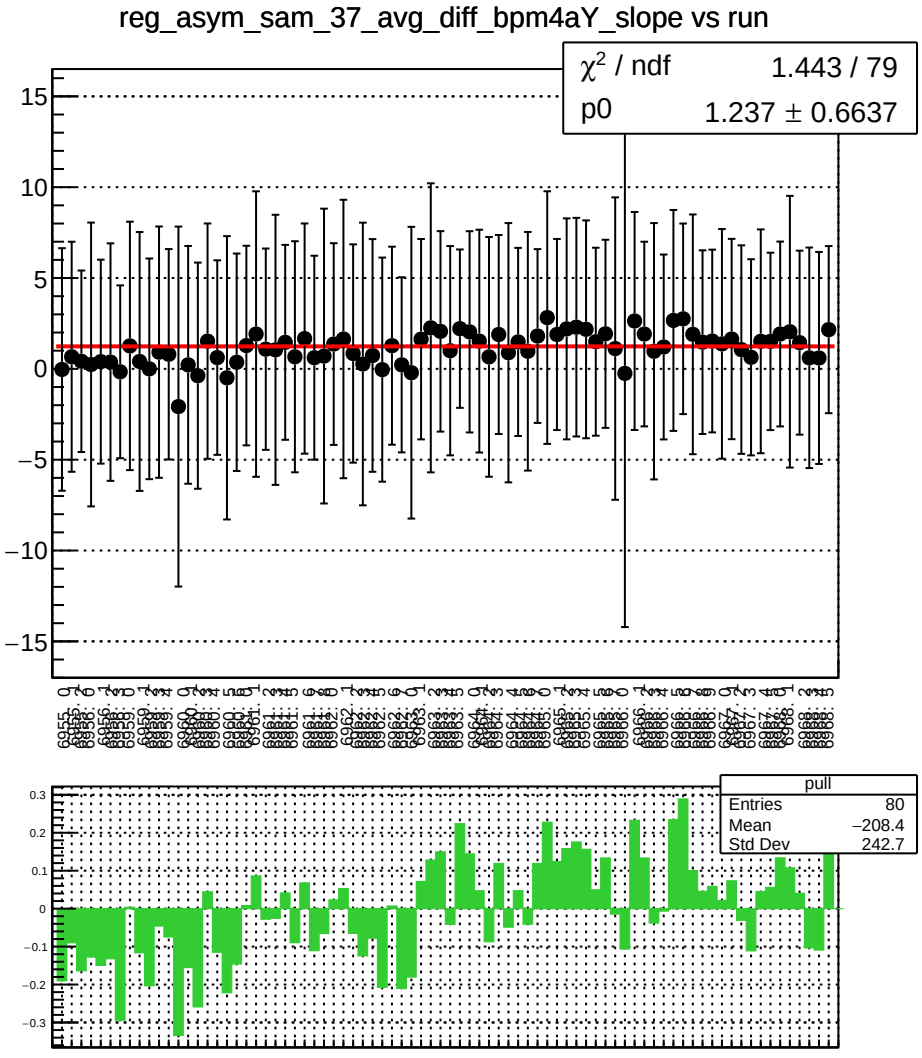

pull1D
Entries 80
Mean 0.003931
Std Dev 0.2083

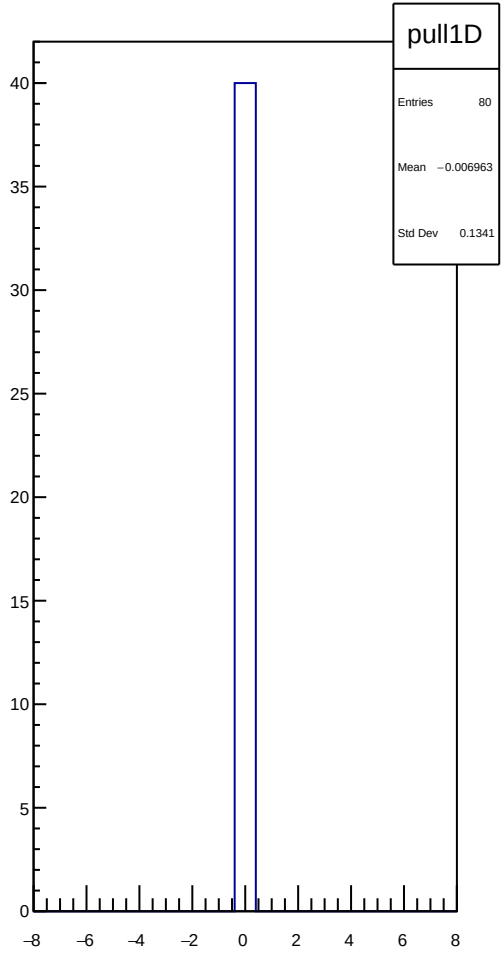

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.05 / 79
p0 −34.83 ± 0.6159
pull
Entries 80
Mean 379
Std Dev 337.3
pull1D
Entries 80
Mean 0.01767
Std Dev 0.3876

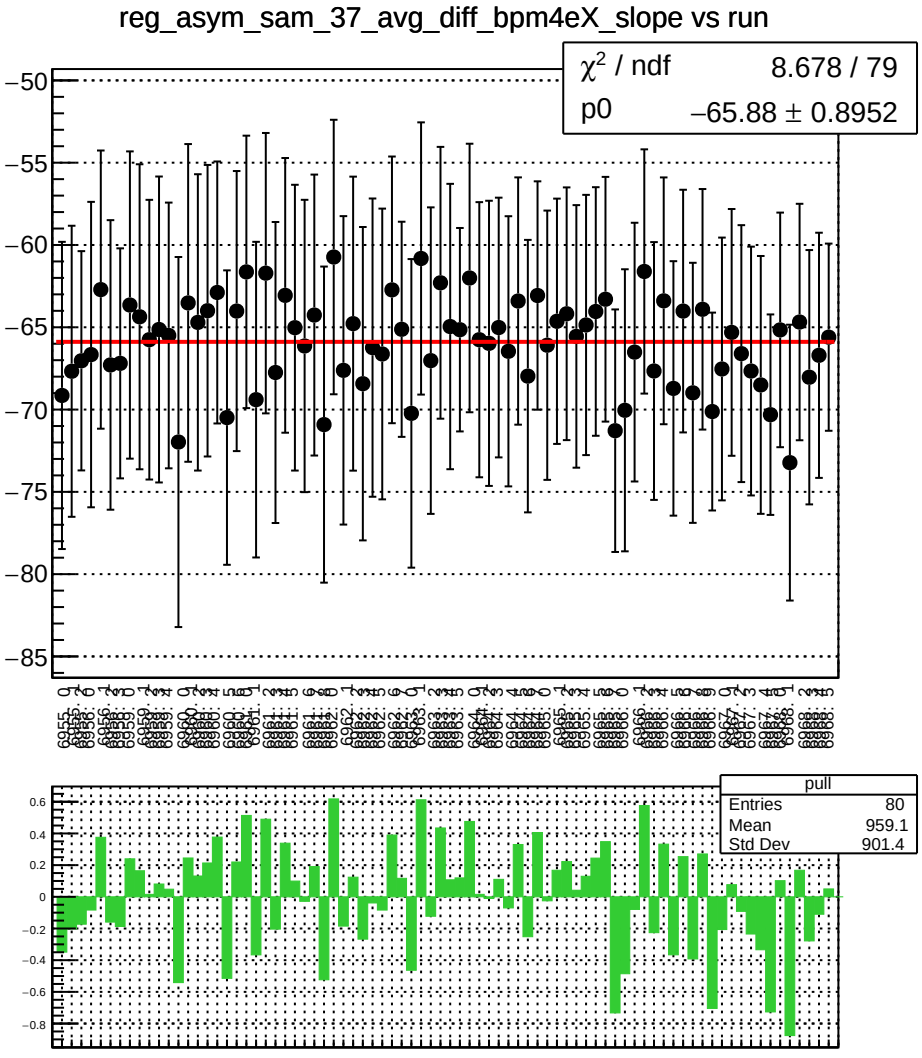

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 17.08 / 79
p0 0.5589 ± 0.02389
pull
Entries 80
Mean 923.7
Std Dev 881.8
pull1D
Entries 80
Mean 0.007487
Std Dev 0.462

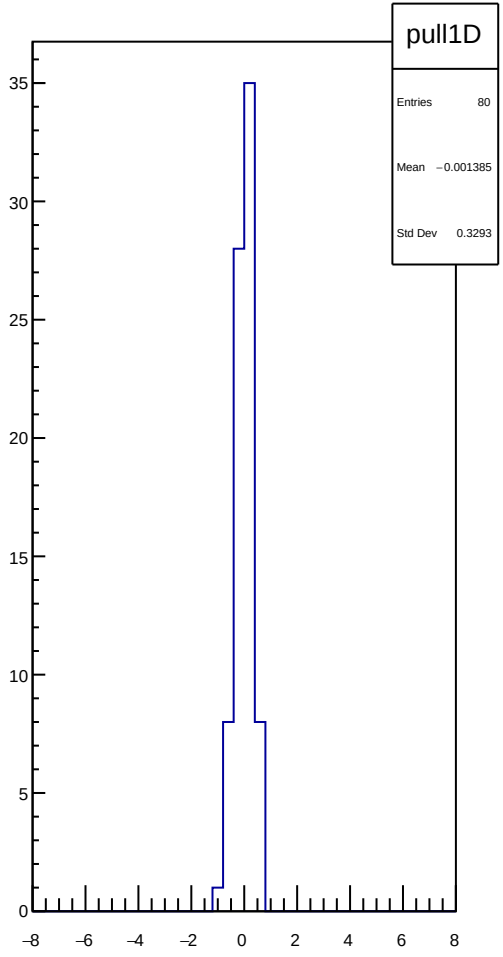

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.692 / 79
p0 −9.592 ± 0.9675
pull
Entries 80
Mean −377.9
Std Dev 428.6


pull1D
Entries 80
Mean −0.005074
Std Dev 0.2667

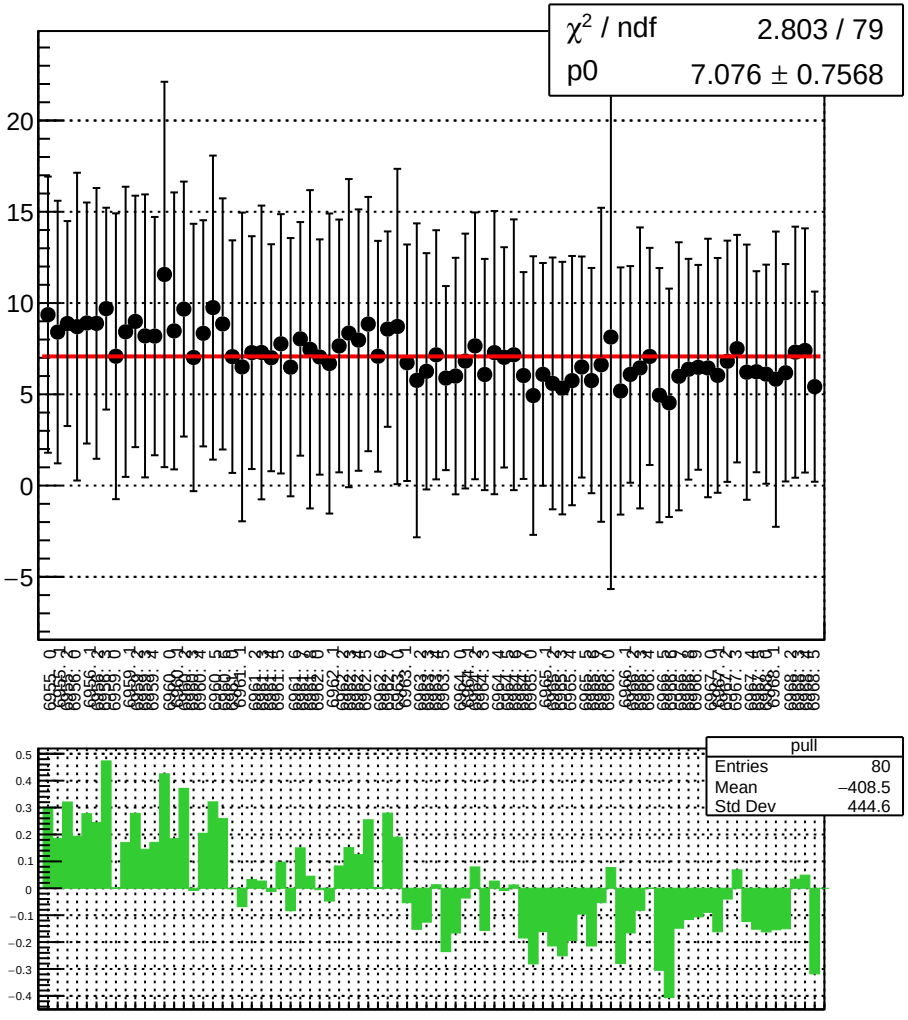

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.443 / 79
p0 1.237 ± 0.6637
pull
Entries 80
Mean −208.4
Std Dev 242.7

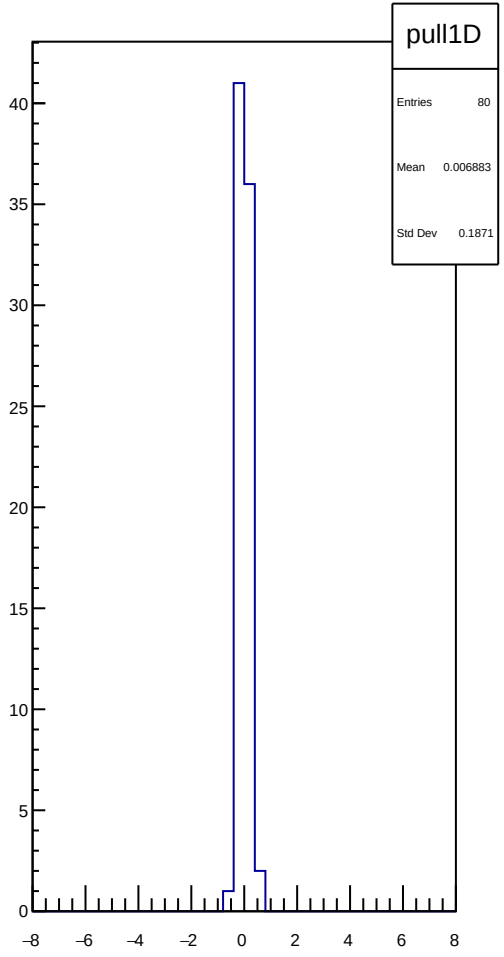

pull1D
Entries 80
Mean −0.006963
Std Dev 0.1341

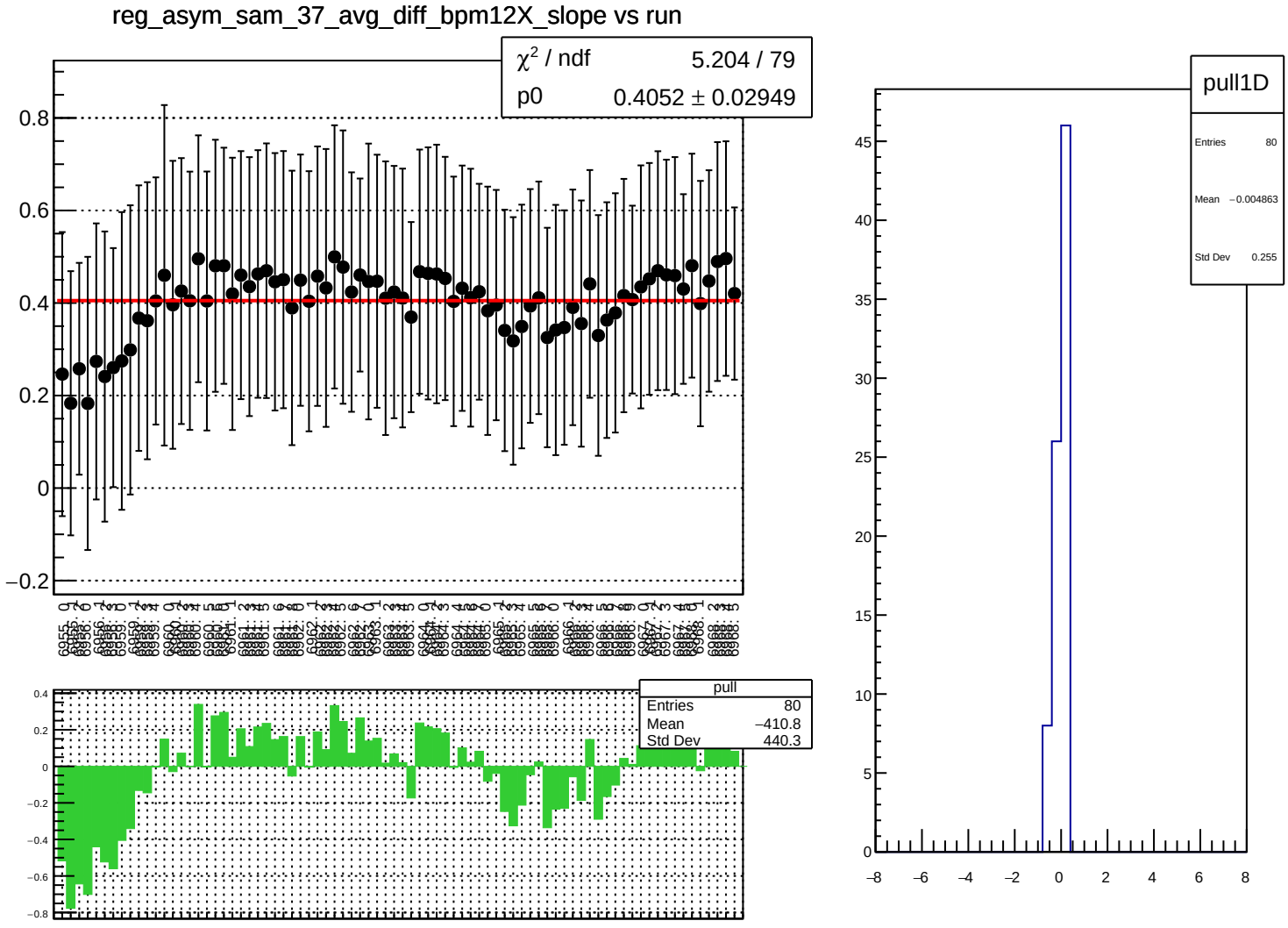

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.678 / 79
p0 −65.88 ± 0.8952
pull
Entries 80
Mean 959.1
Std Dev 901.4

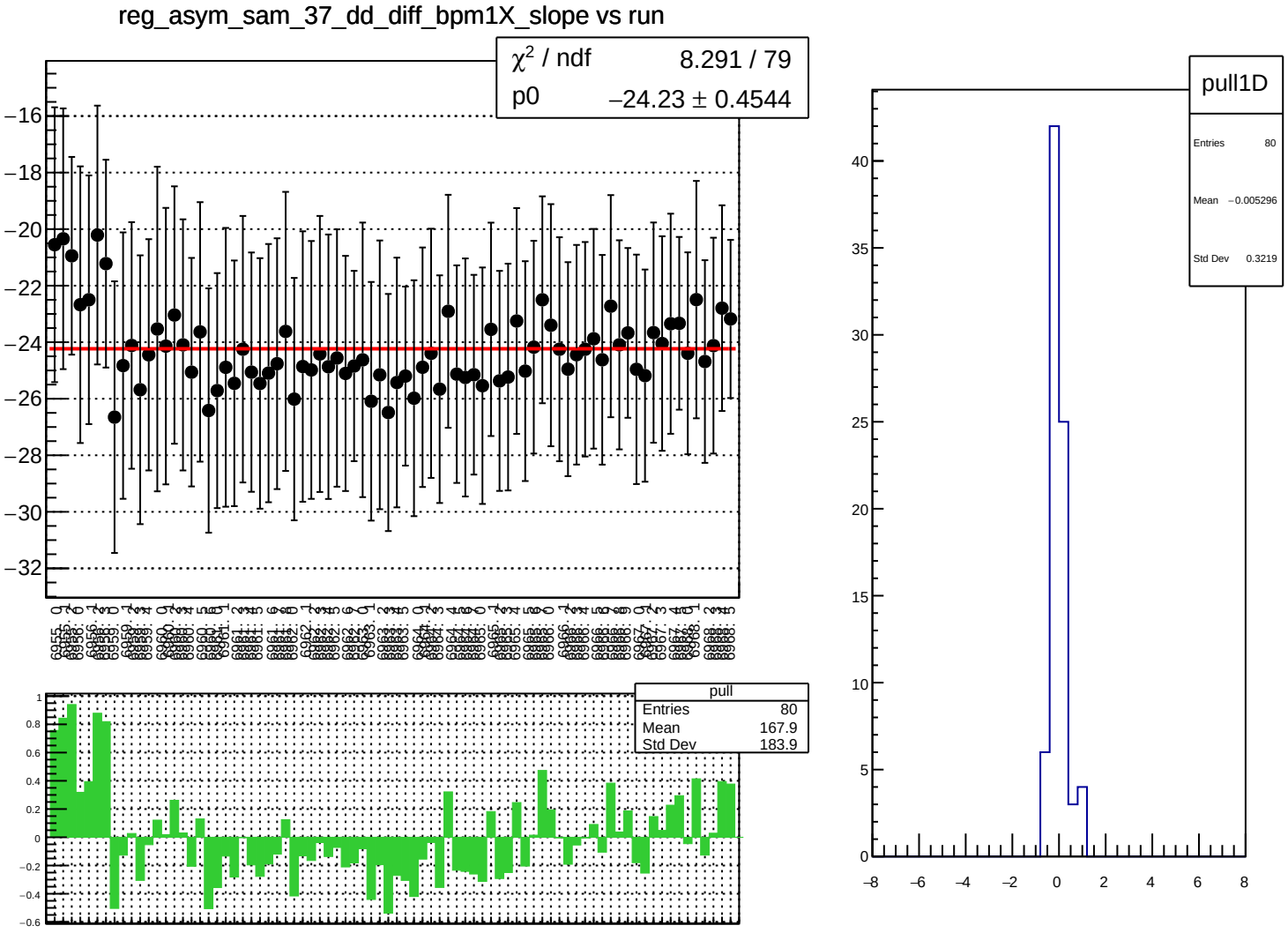

pull1D
Entries 80
Mean −0.001385
Std Dev 0.3293

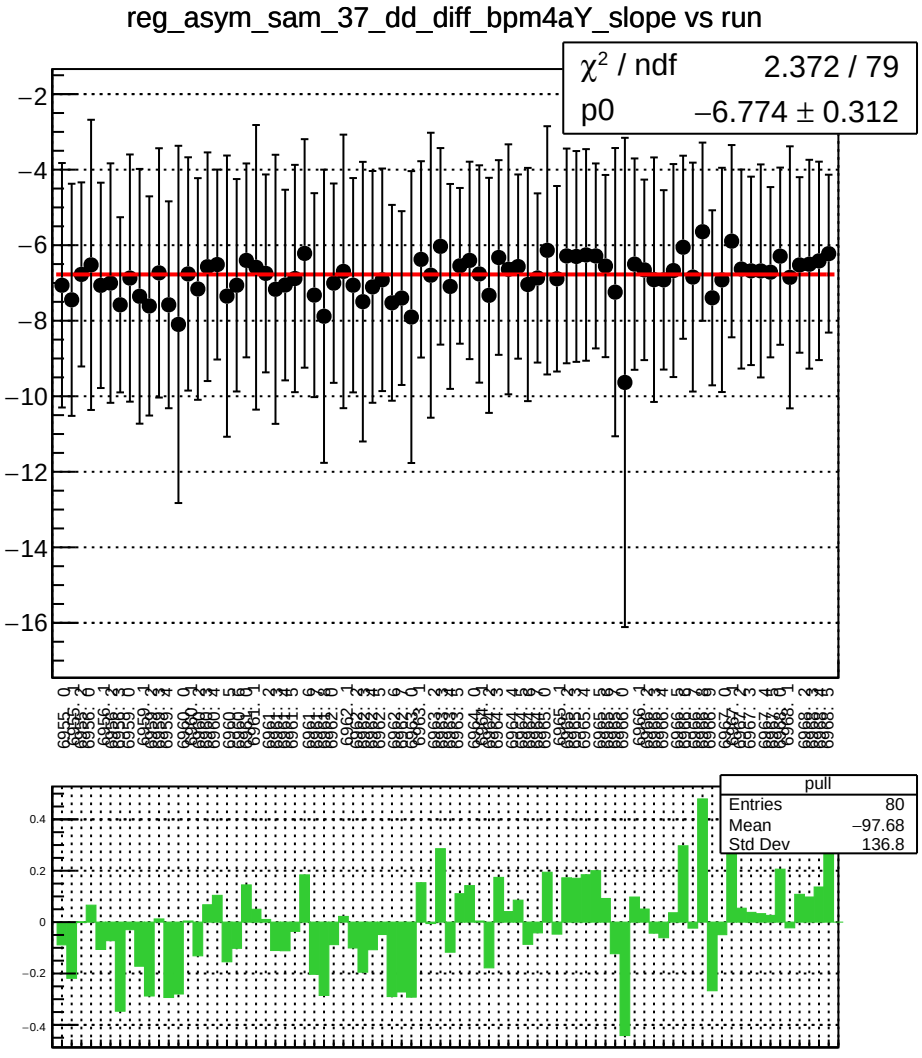
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run

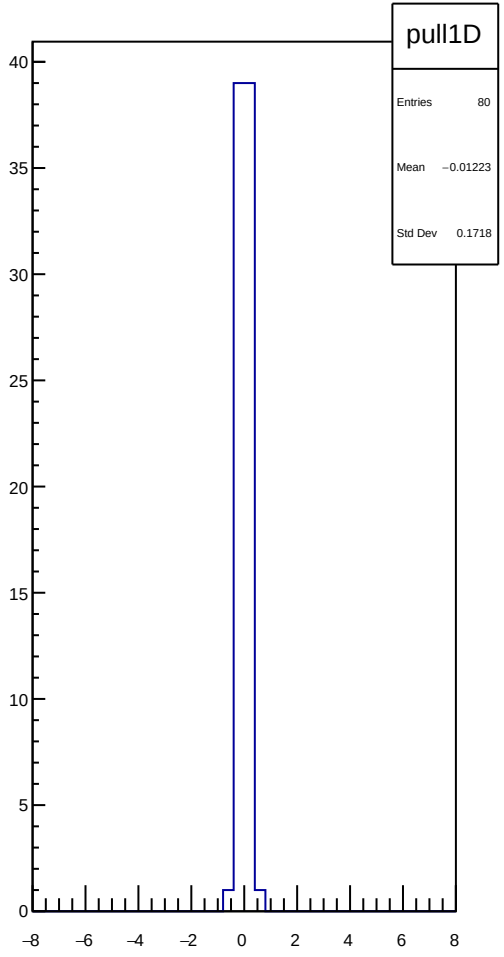


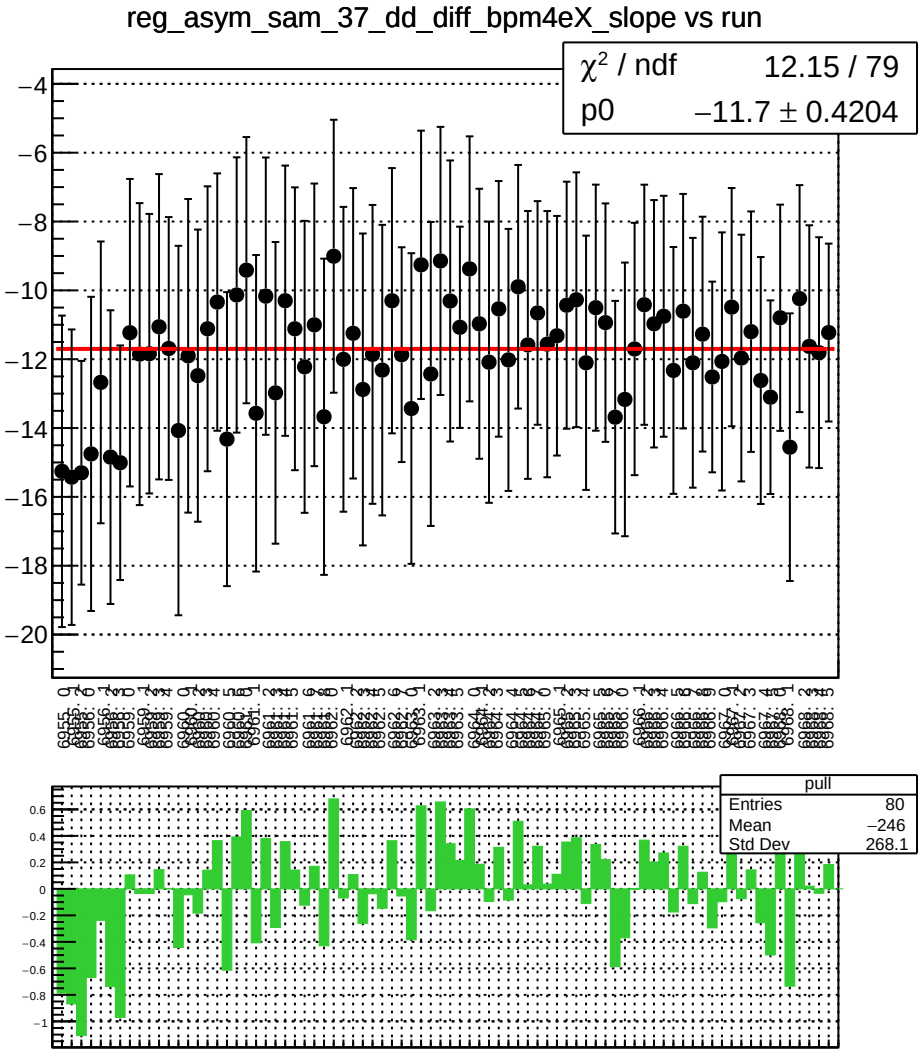


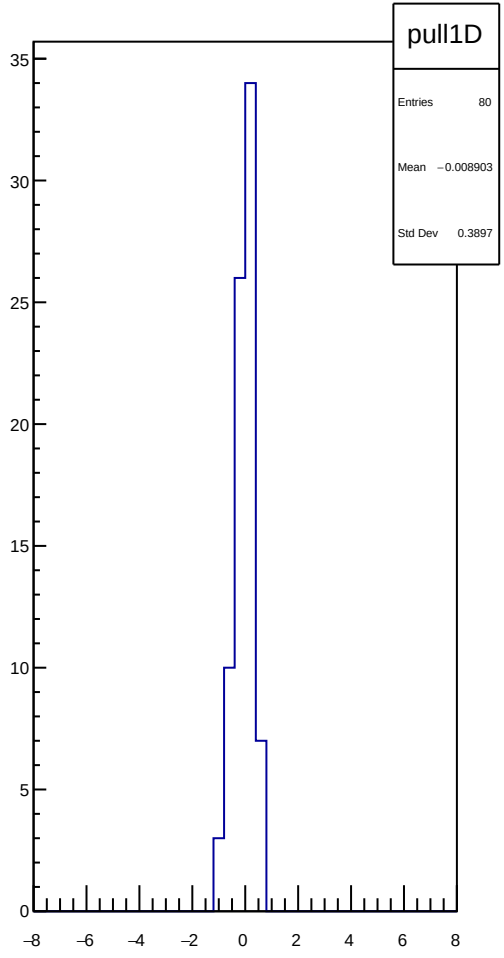

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.204 / 79
p0 0.4052 ± 0.02949
pull
Entries 80
Mean −410.8
Std Dev 440.3
pull1D
Entries 80
Mean −0.004863
Std Dev 0.255

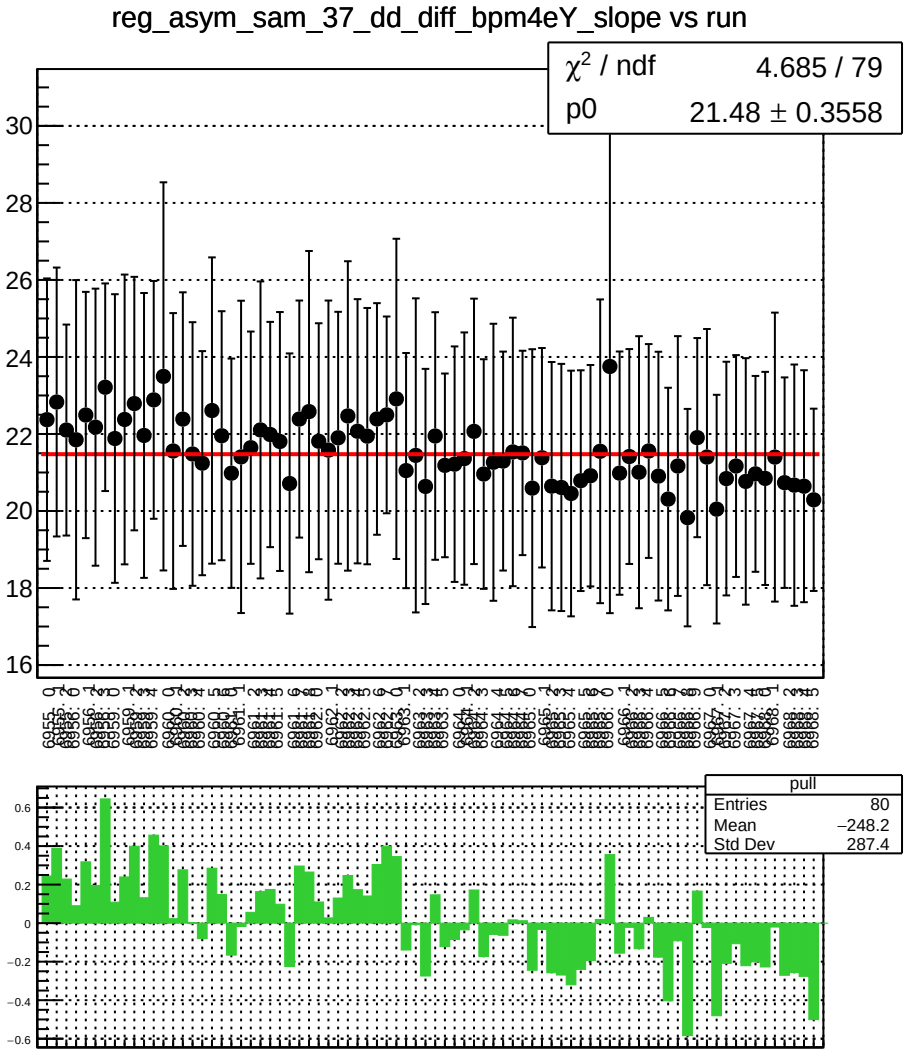

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.291 / 79
p0 −24.23 ± 0.4544
pull
Entries 80
Mean 167.9
Std Dev 183.9
pull1D
Entries 80
Mean −0.005296
Std Dev 0.3219

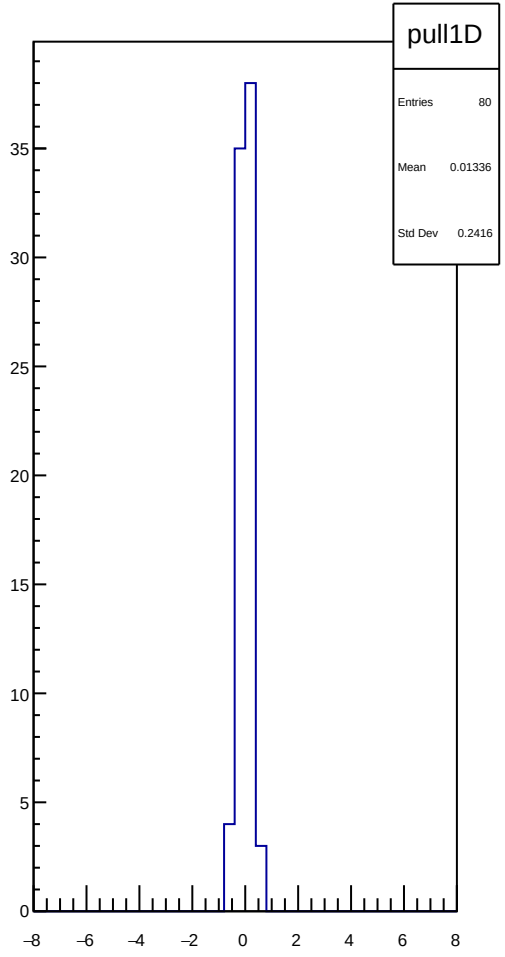

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.372 / 79
p0 −6.774 ± 0.312
pull
Entries 80
Mean −97.68
Std Dev 136.8

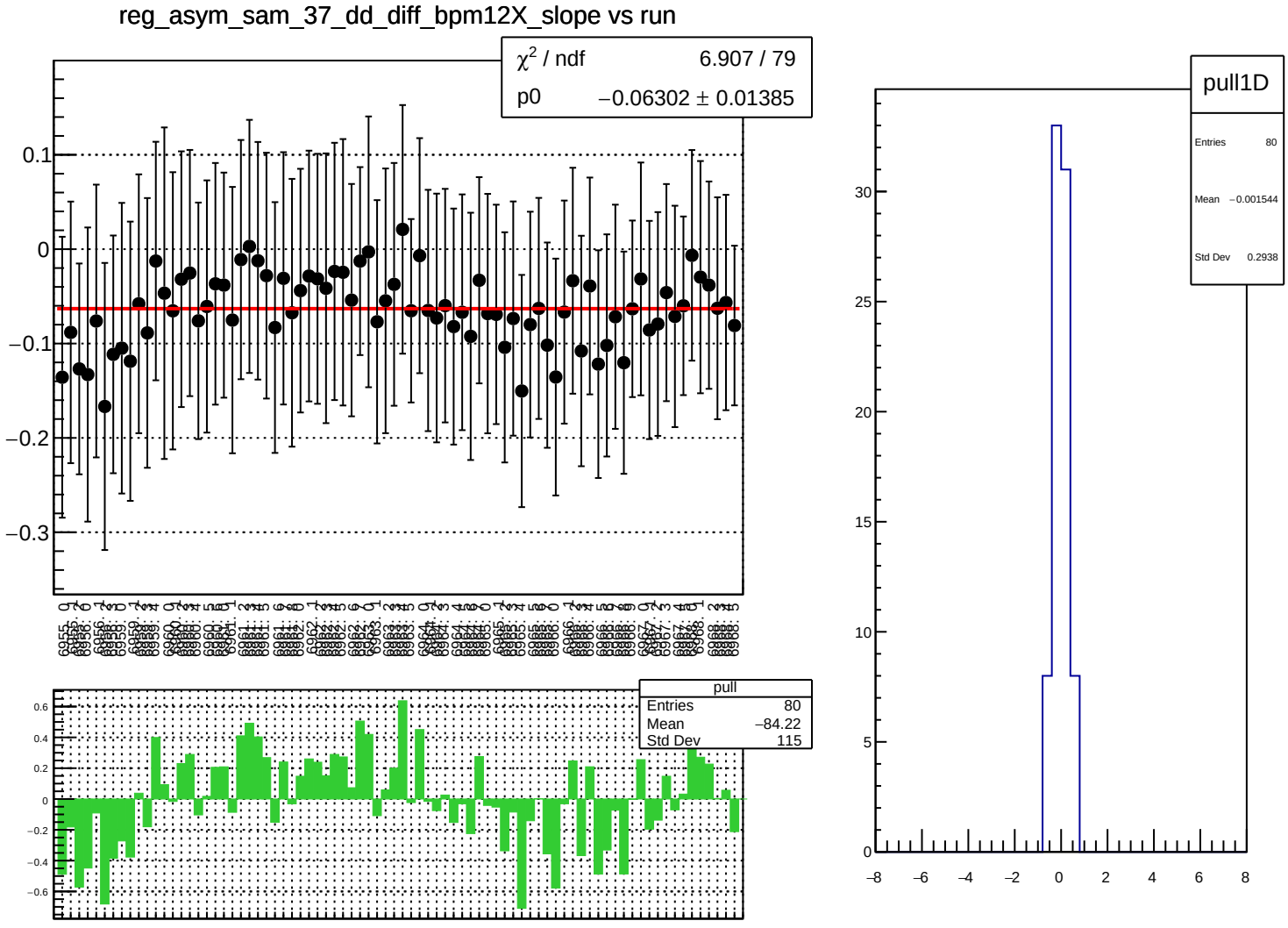

pull1D
Entries 80
Mean −0.01223
Std Dev 0.1718

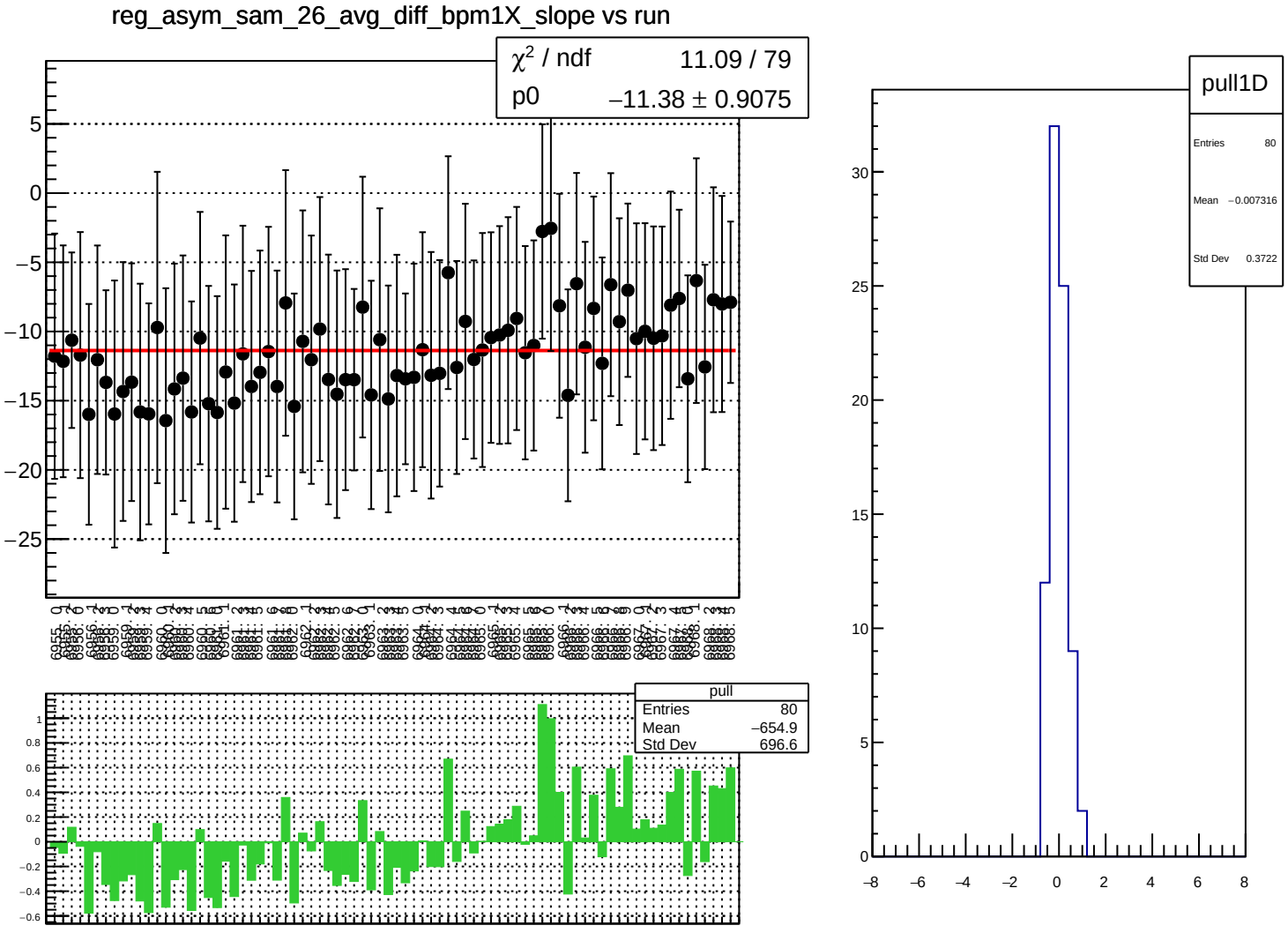

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.15 / 79
p0 −11.7 ± 0.4204
pull
Entries 80
Mean −246
Std Dev 268.1

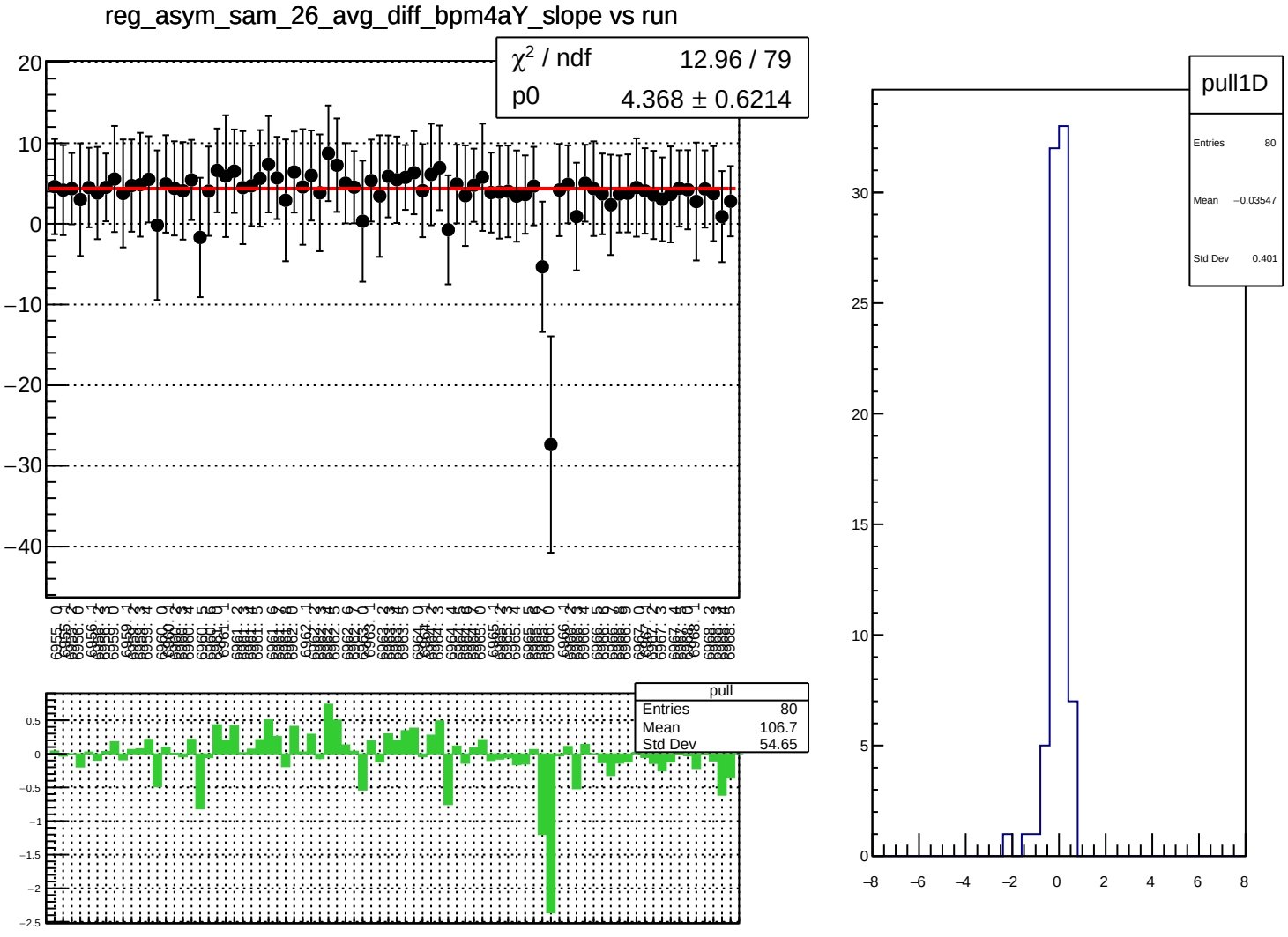

pull1D
Entries 80
Mean −0.008903
Std Dev 0.3897

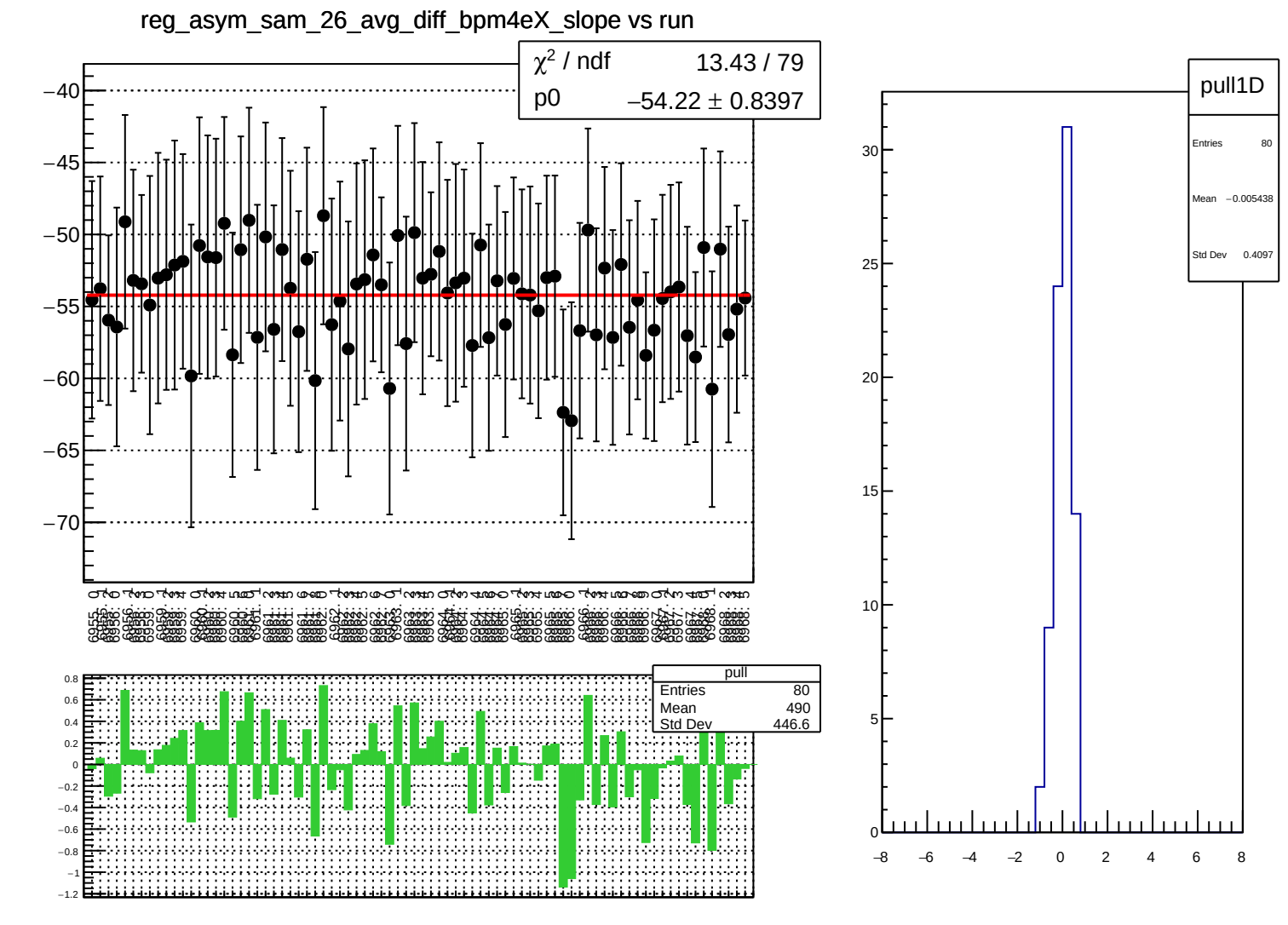

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.685 / 79
p0 21.48 ± 0.3558
pull
Entries 80
Mean −248.2
Std Dev 287.4

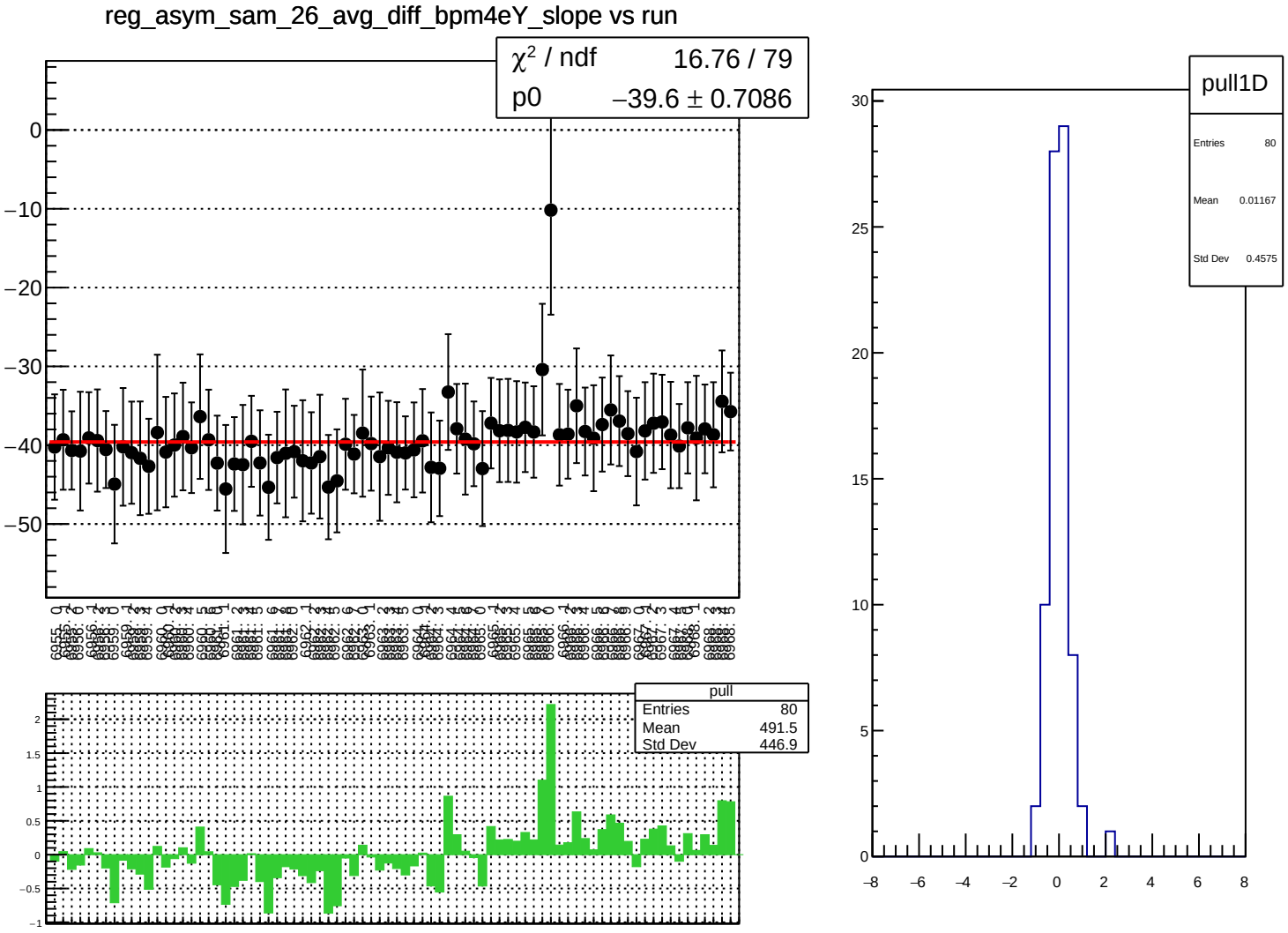

pull1D
Entries 80
Mean 0.01336
Std Dev 0.2416

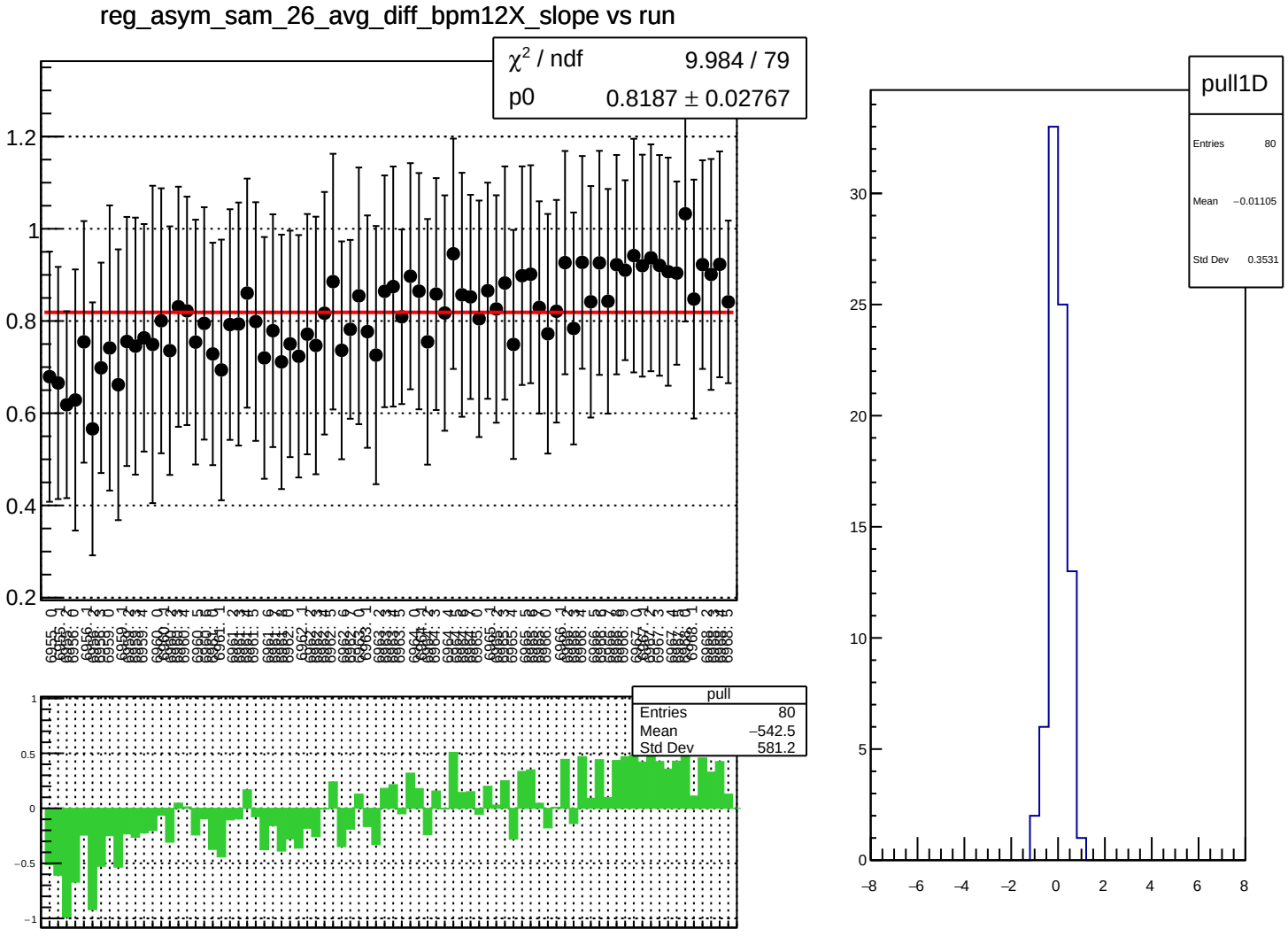

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.907 / 79
p0 −0.06302 ± 0.01385
pull
Entries 80
Mean −84.22
Std Dev 115
pull1D
Entries 80
Mean −0.001544
Std Dev 0.2938

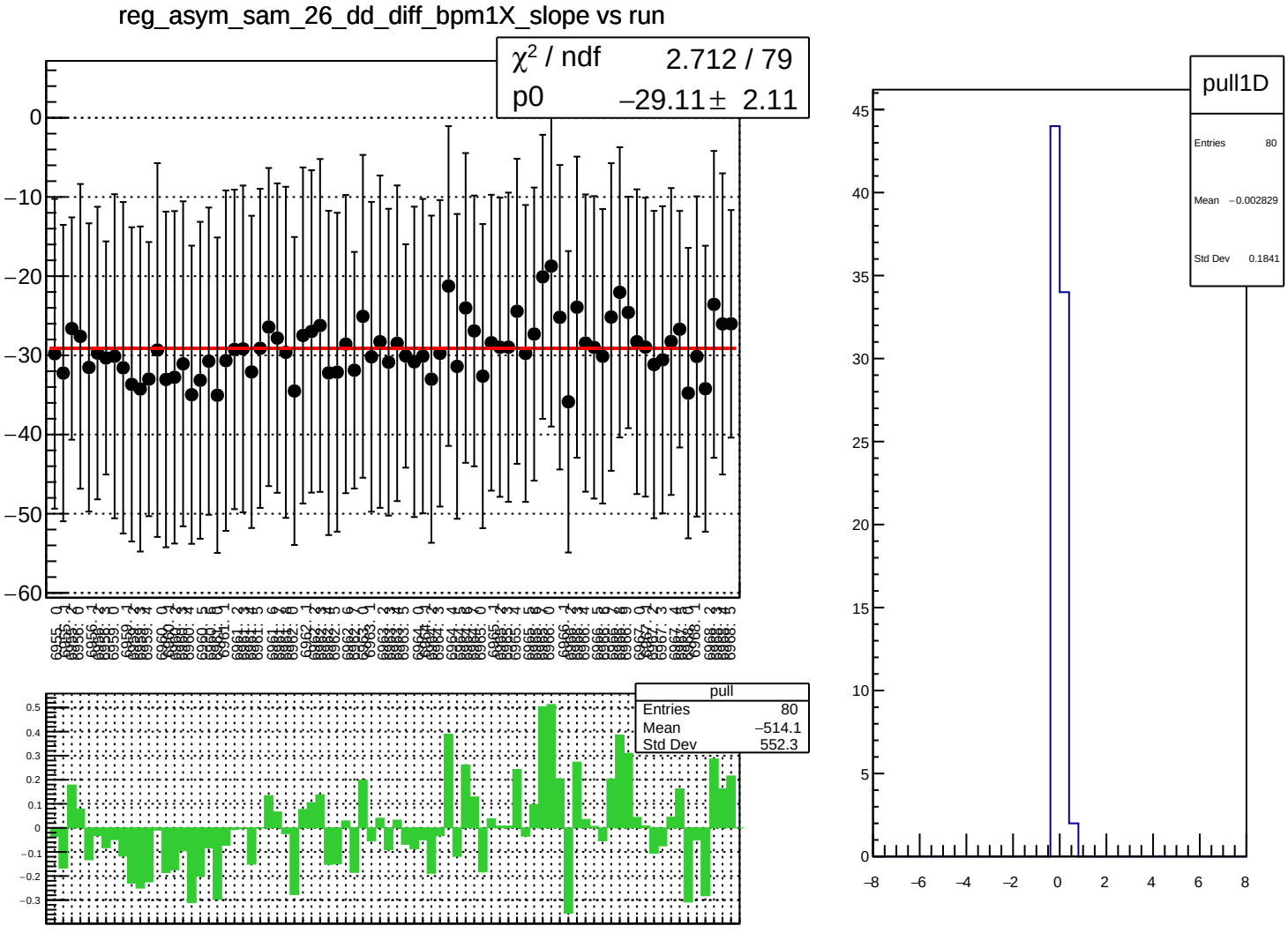

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 11.09 / 79
p0 −11.38 ± 0.9075
pull
Entries 80
Mean −654.9
Std Dev 696.6
pull1D
Entries 80
Mean −0.007316
Std Dev 0.3722

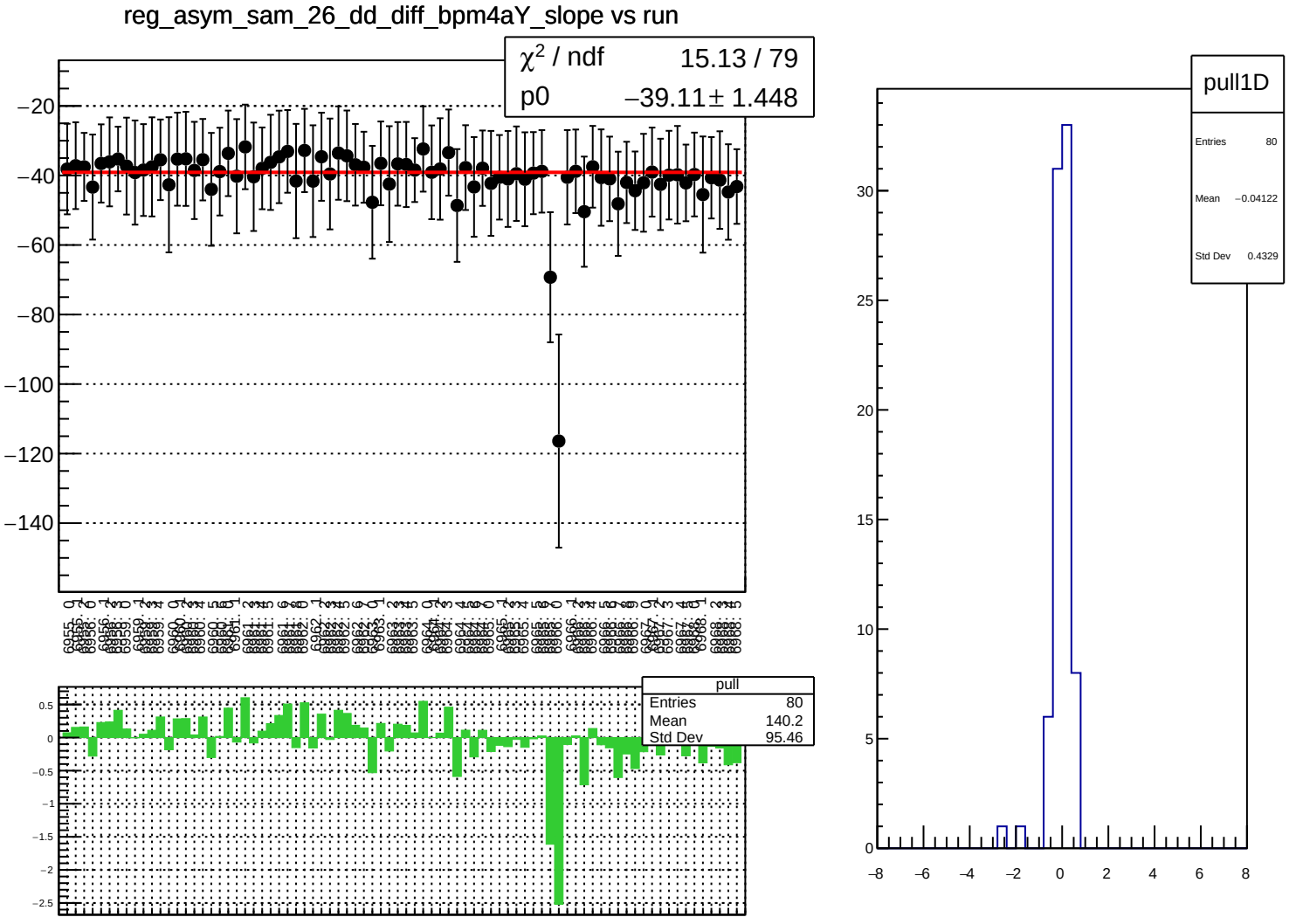

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.96 / 79
p0 4.368 ± 0.6214
pull
Entries 80
Mean 106.7
Std Dev 54.65
pull1D
Entries 80
Mean −0.03547
Std Dev 0.401

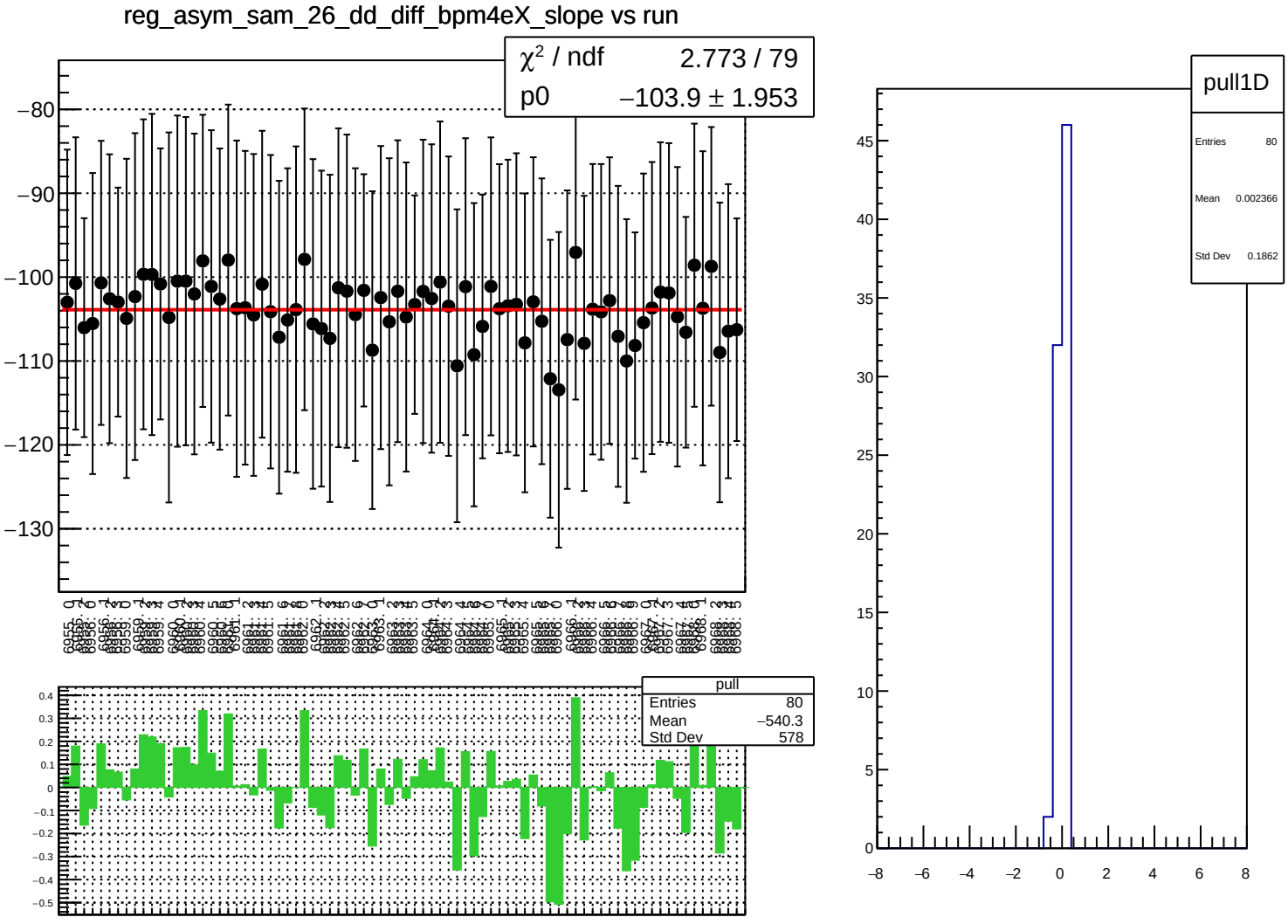

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.43 / 79
p0 −54.22 ± 0.8397
pull
Entries 80
Mean 490
Std Dev 446.6
pull1D
Entries 80
Mean −0.005438
Std Dev 0.4097

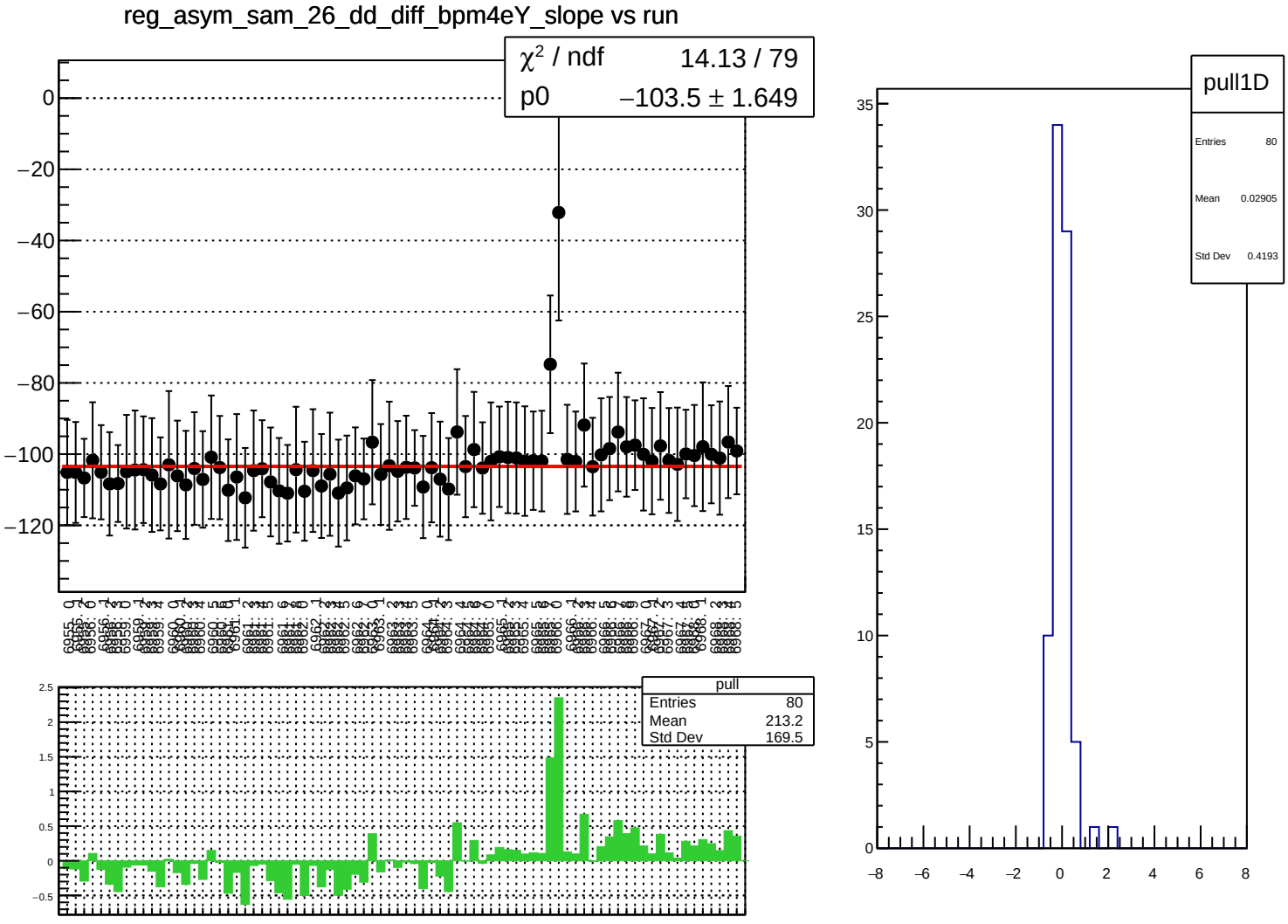

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.76 / 79
p0 −39.6 ± 0.7086
pull
Entries 80
Mean 491.5
Std Dev 446.9
pull1D
Entries 80
Mean 0.01167
Std Dev 0.4575

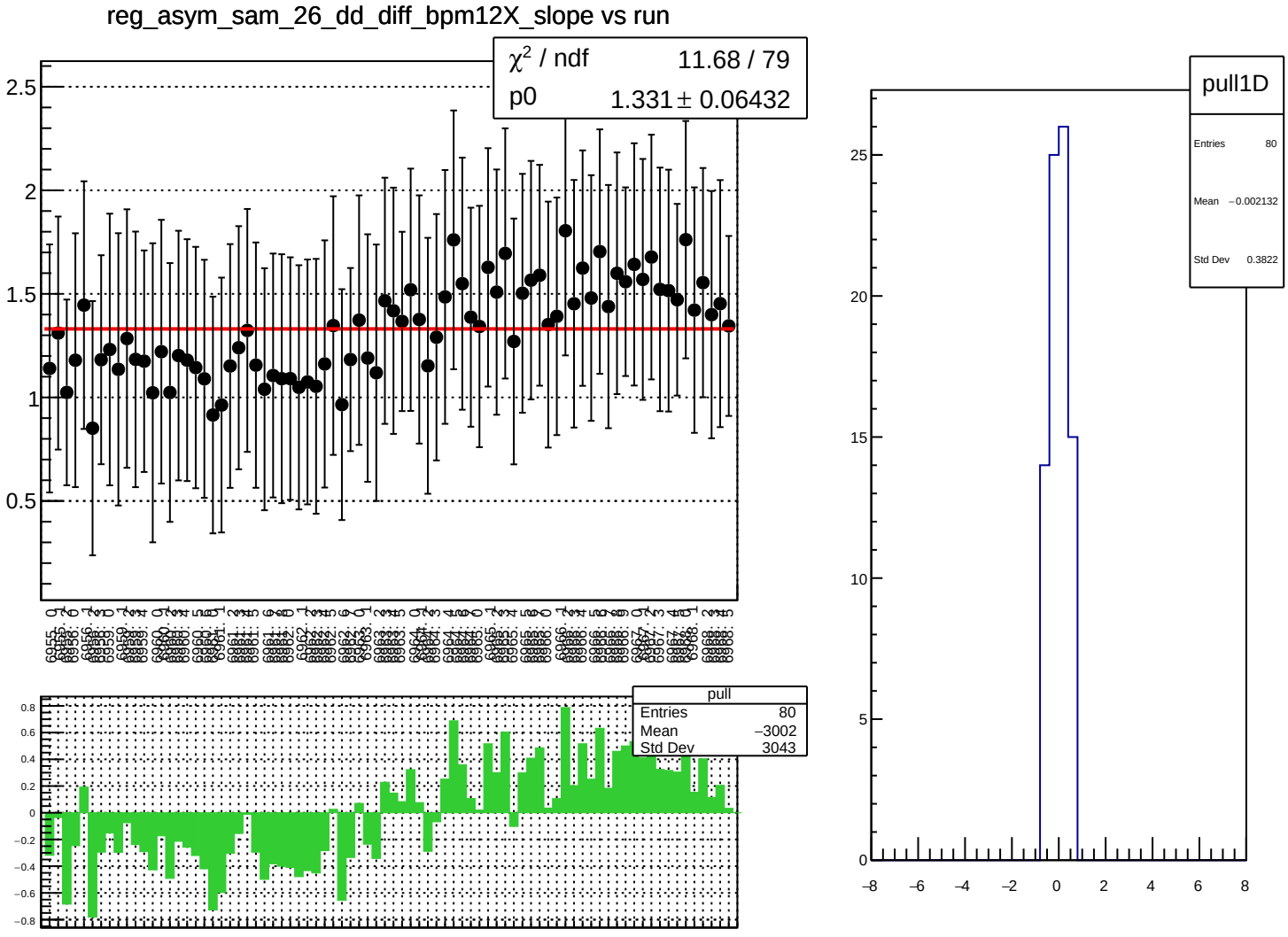

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 9.984 / 79
p0 0.8187 ± 0.02767
pull
Entries 80
Mean −542.5
Std Dev 581.2
pull1D
Entries 80
Mean −0.01105
Std Dev 0.3531

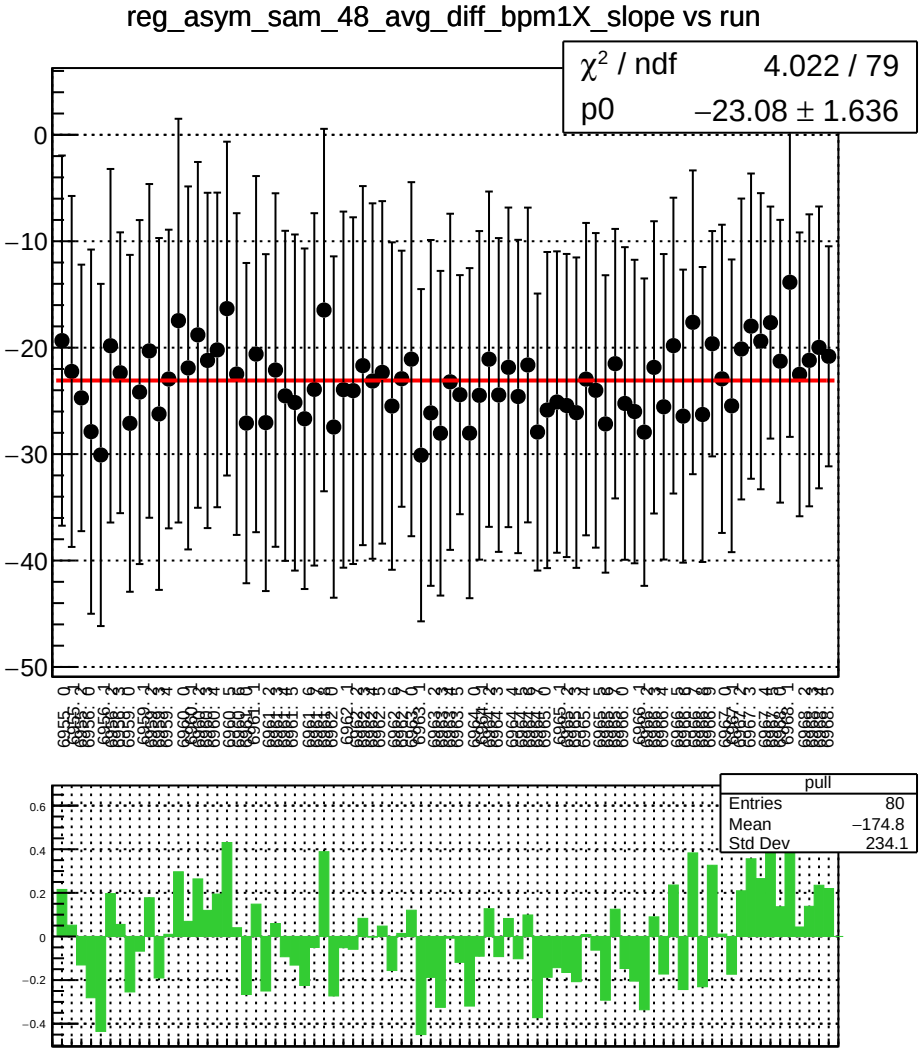

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.712 / 79
p0 −29.11 ± 2.11
pull
Entries 80
Mean −514.1
Std Dev 552.3
pull1D
Entries 80
Mean −0.002829
Std Dev 0.1841

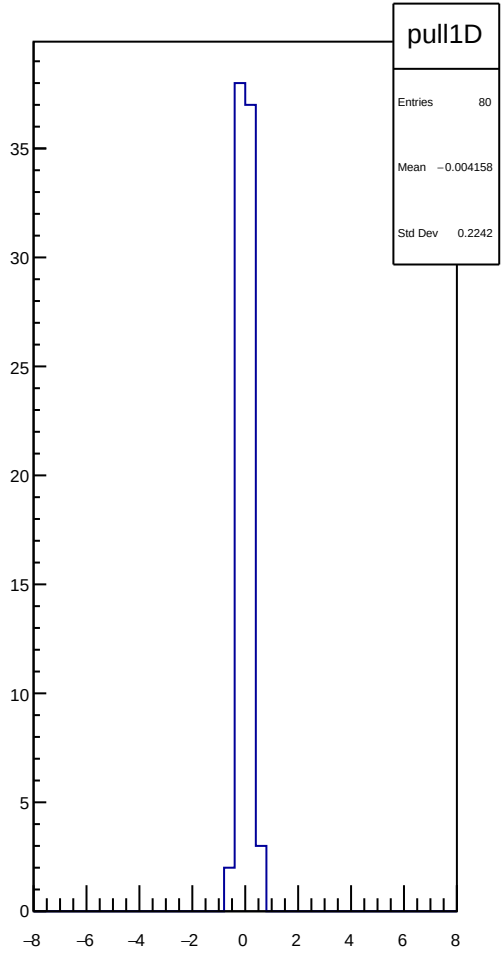

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.13 / 79
p0 −39.11 ± 1.448
pull
Entries 80
Mean 140.2
Std Dev 95.46
pull1D
Entries 80
Mean −0.04122
Std Dev 0.4329

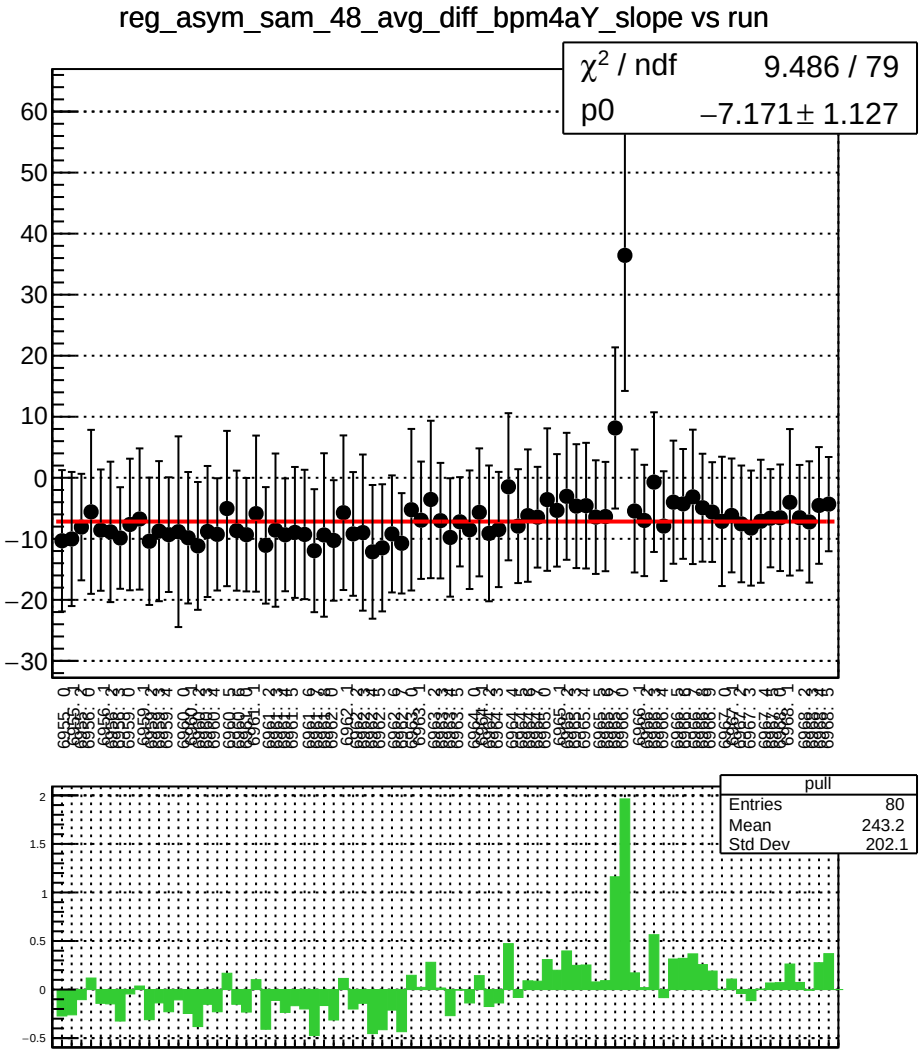

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.773 / 79
p0 −103.9 ± 1.953
pull
Entries 80
Mean −540.3
Std Dev 578
pull1D
Entries 80
Mean 0.002366
Std Dev 0.1862

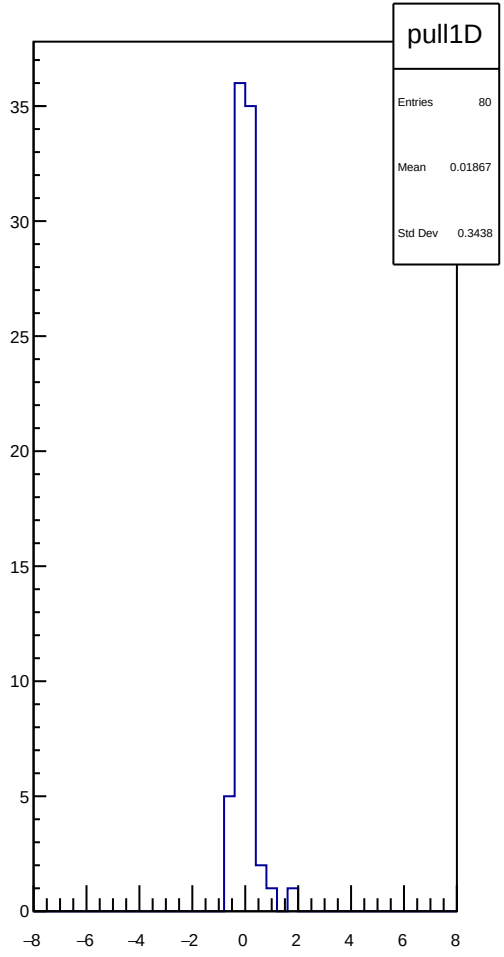

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.13 / 79
p0 −103.5 ± 1.649
pull
Entries 80
Mean 213.2
Std Dev 169.5
pull1D
Entries 80
Mean 0.02905
Std Dev 0.4193

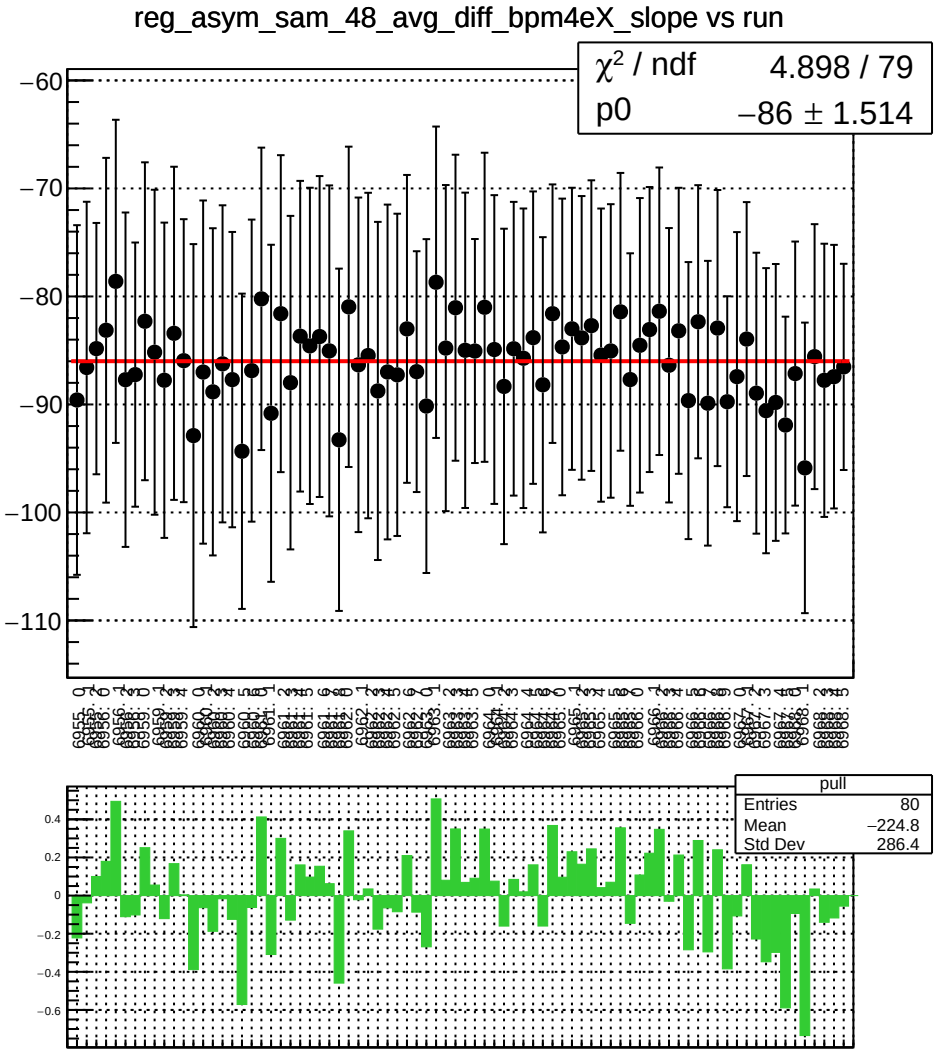

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.68 / 79
p0 1.331 ± 0.06432
pull
Entries 80
Mean −3002
Std Dev 3043
pull1D
Entries 80
Mean −0.002132
Std Dev 0.3822

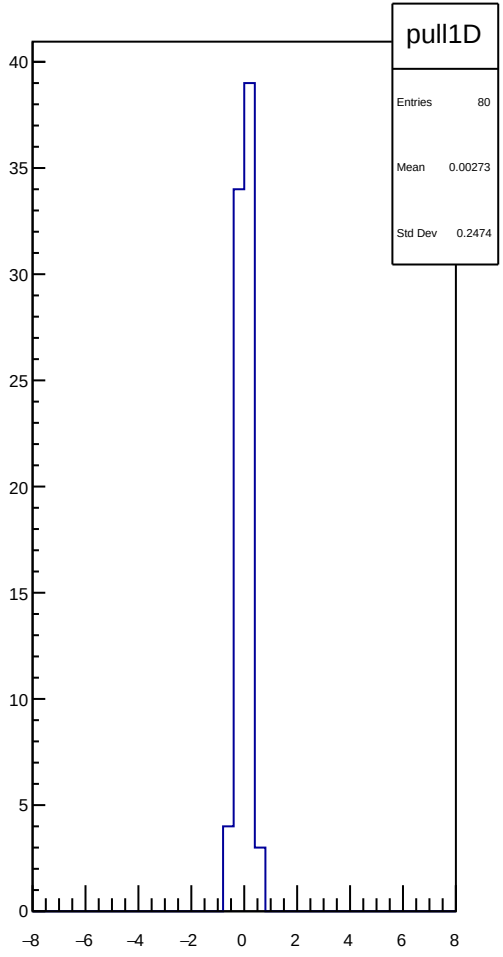

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.022 / 79
p0 −23.08 ± 1.636
pull
Entries 80
Mean −174.8
Std Dev 234.1

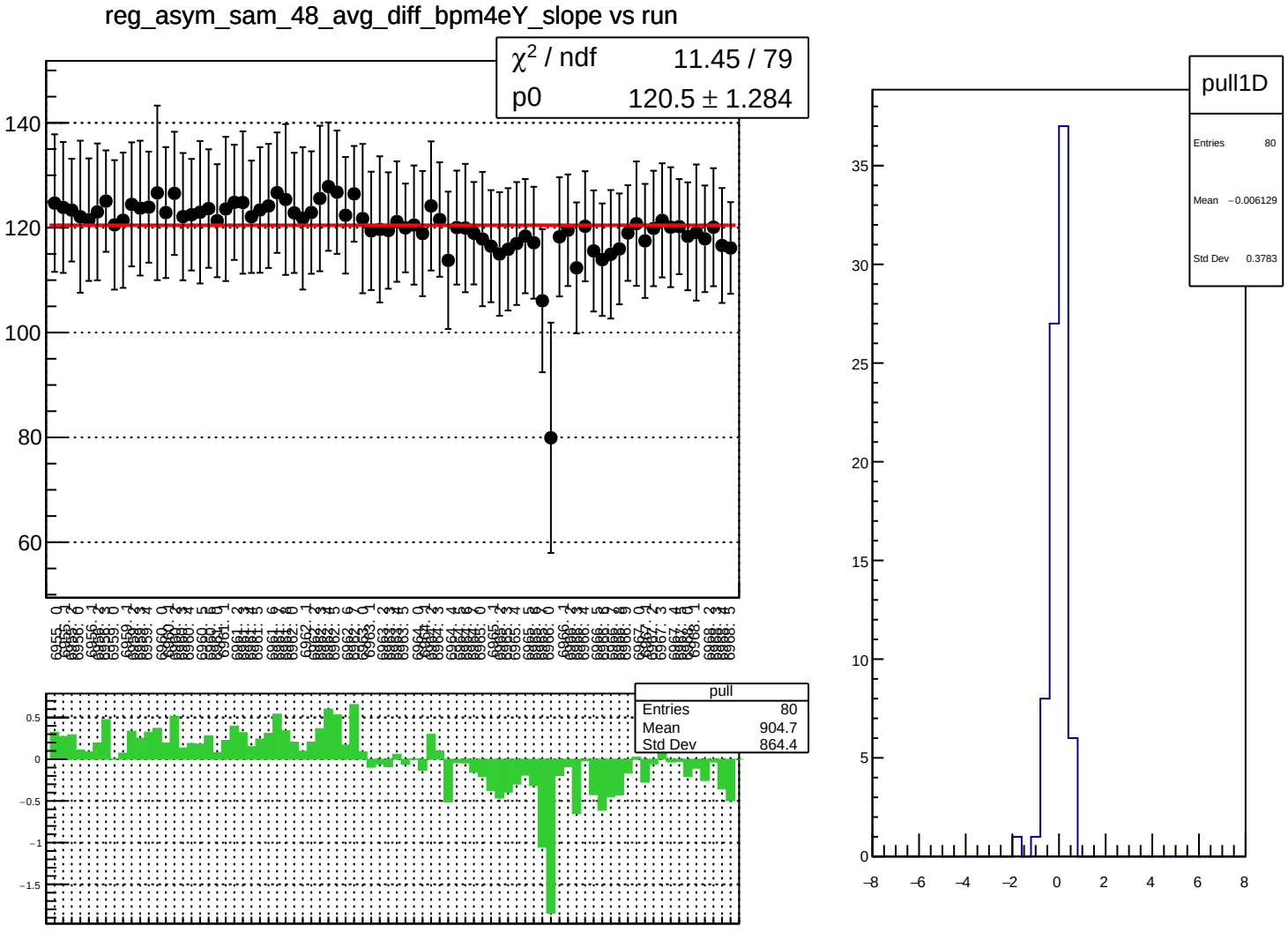

pull1D
Entries 80
Mean −0.004158
Std Dev 0.2242

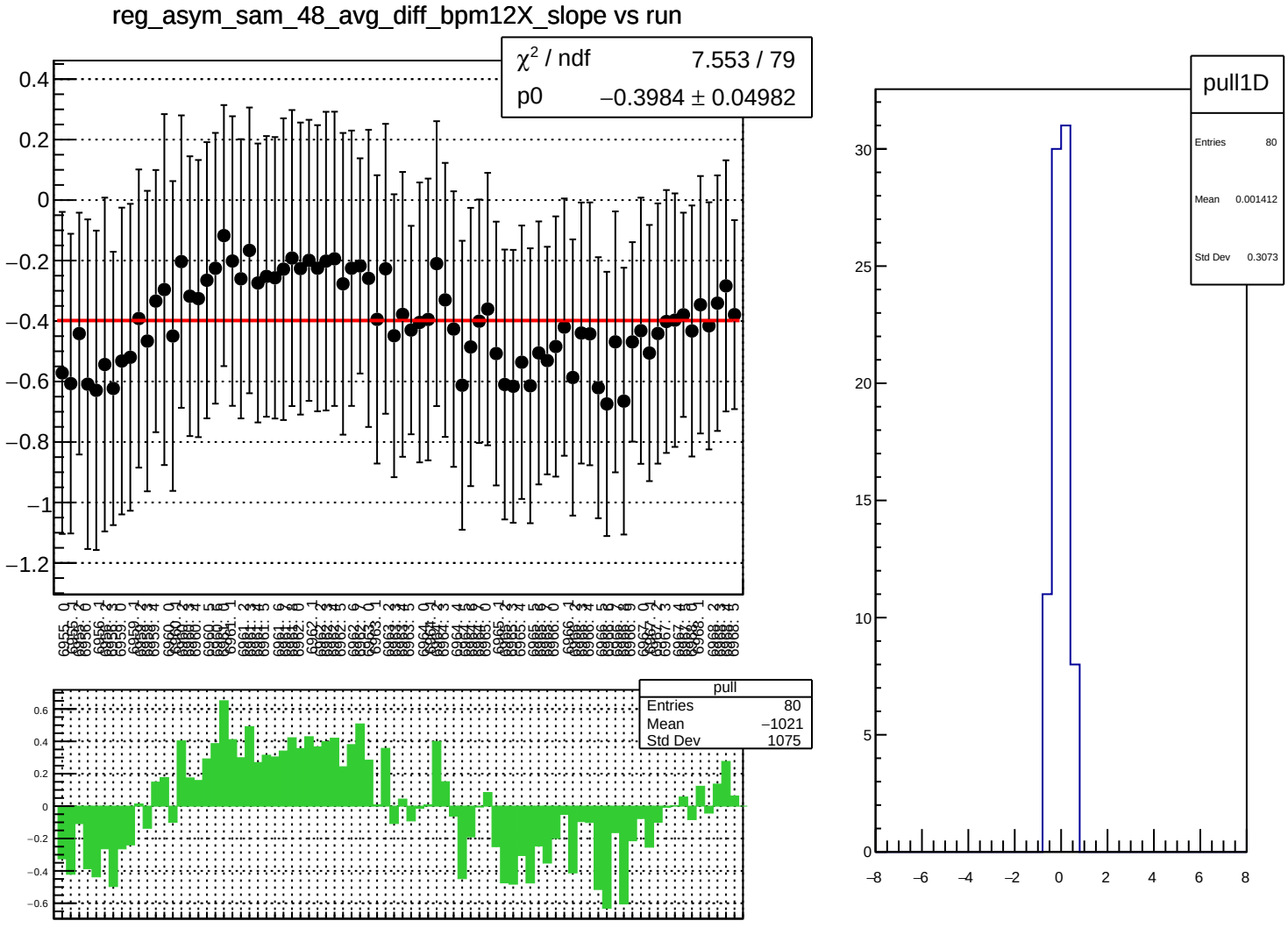

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.486 / 79
p0 −7.171 ± 1.127
pull
Entries 80
Mean 243.2
Std Dev 202.1

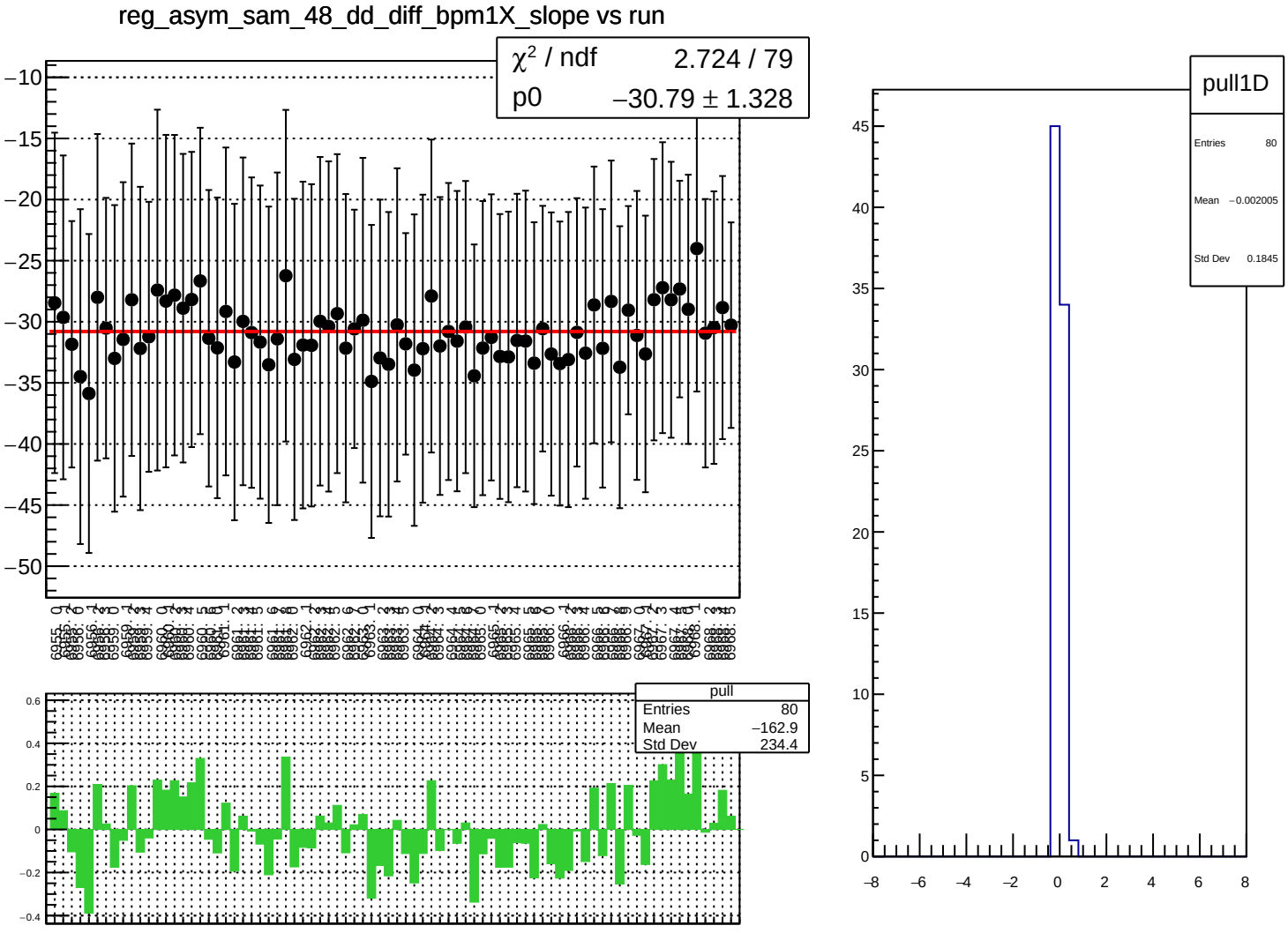

pull1D
Entries 80
Mean 0.01867
Std Dev 0.3438

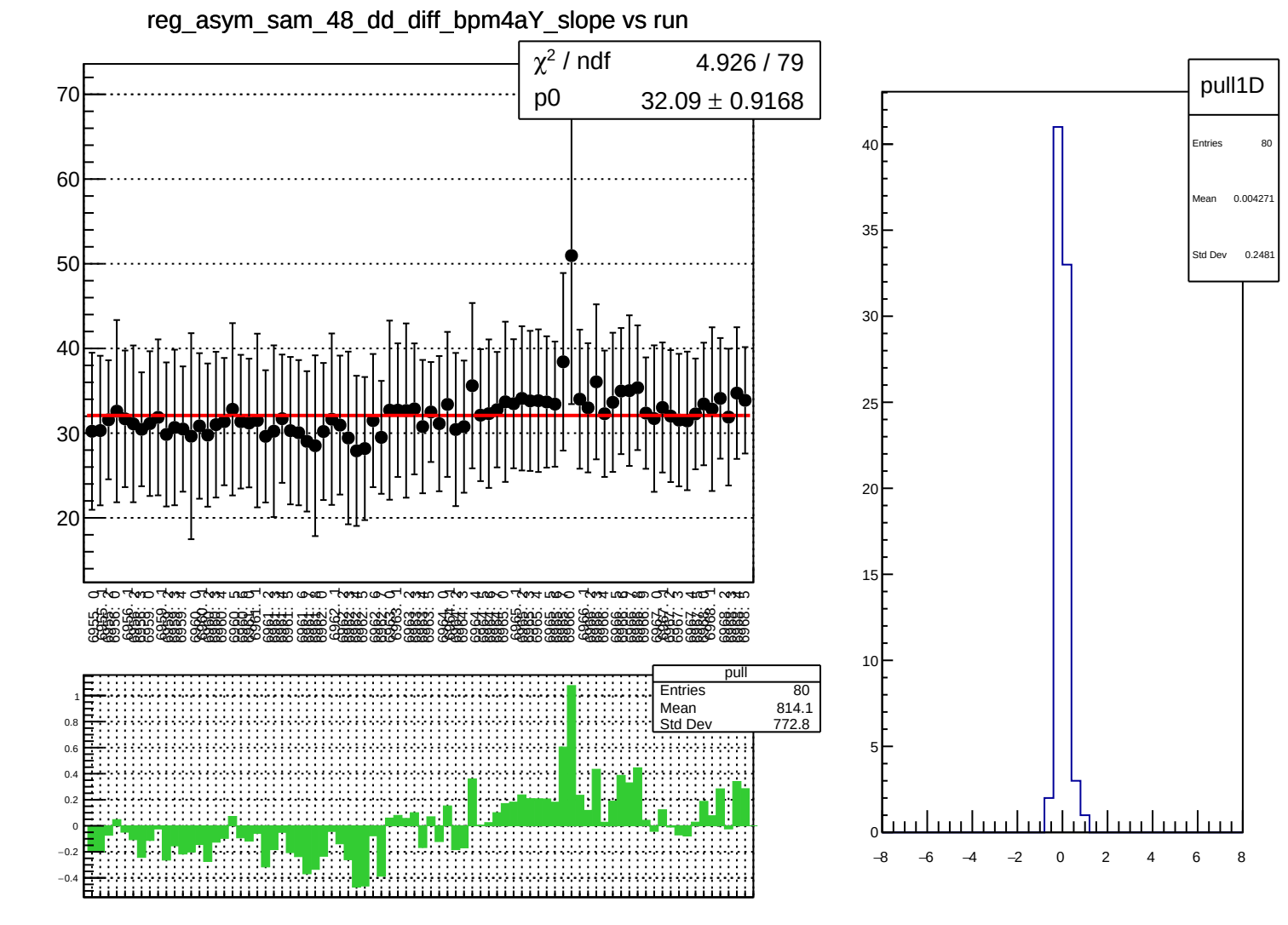

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.898 / 79
p0 −86 ± 1.514
pull
Entries 80
Mean −224.8
Std Dev 286.4

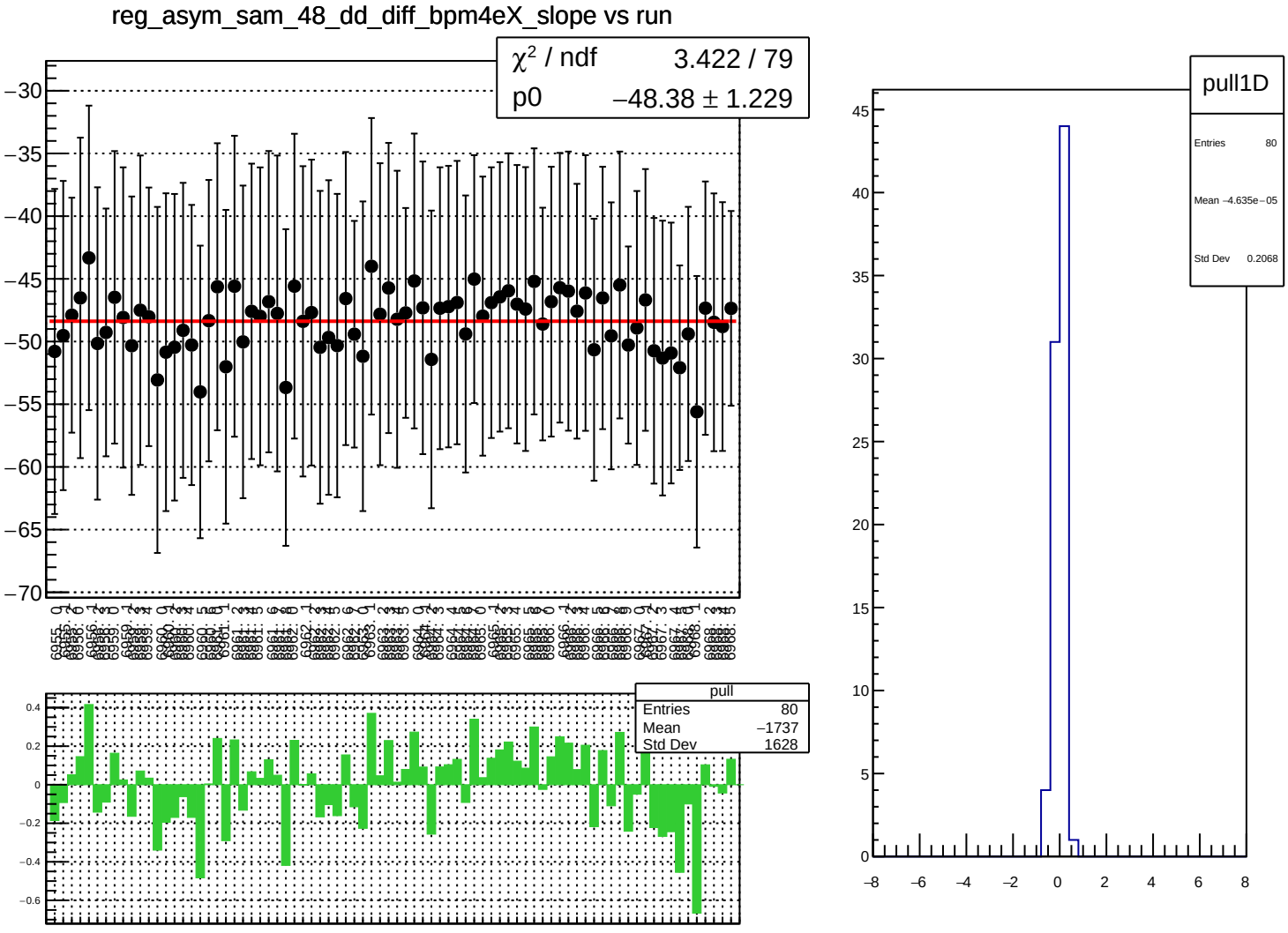

pull1D
Entries 80
Mean 0.00273
Std Dev 0.2474

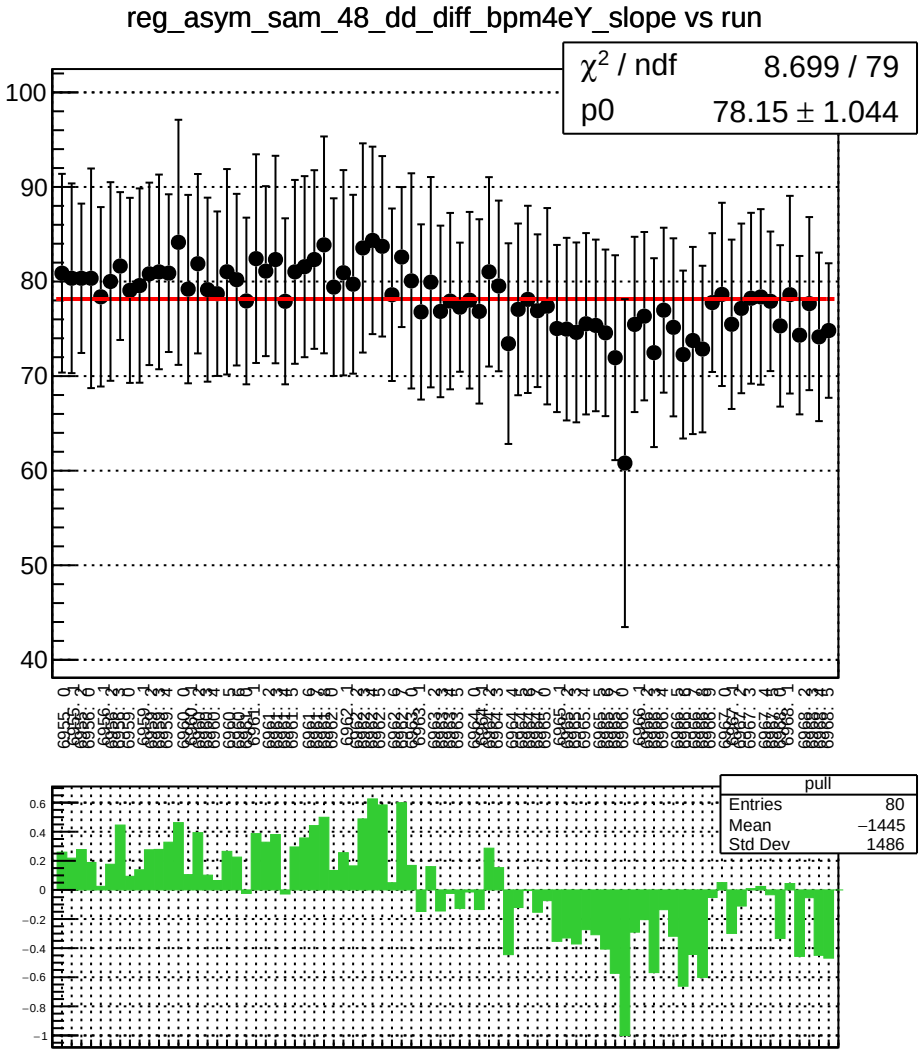

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.45 / 79
p0 120.5 ± 1.284
140
120
100
80
60
pull
Entries 80
Mean 904.7
Std Dev 864.4
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.006129
Std Dev 0.3783
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

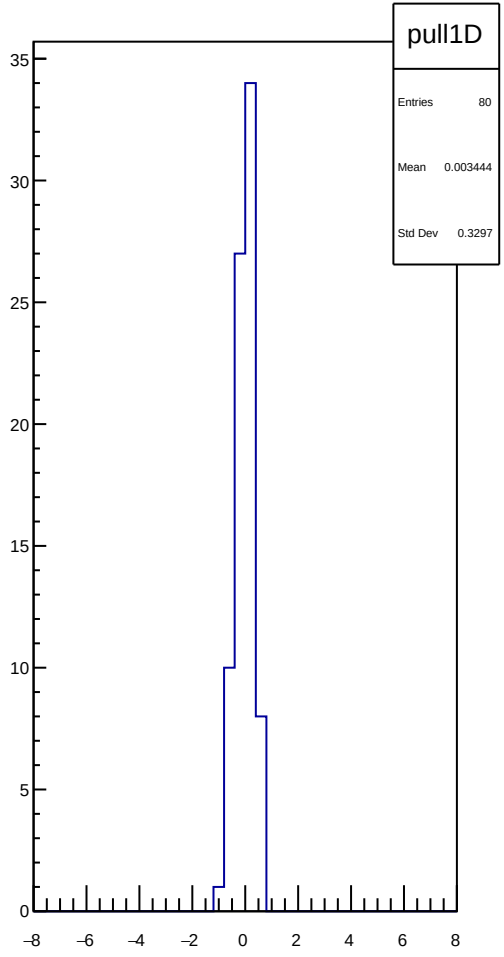

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.553 / 79
p0 −0.3984 ± 0.04982
pull
Entries 80
Mean −1021
Std Dev 1075
pull1D
Entries 80
Mean 0.001412
Std Dev 0.3073

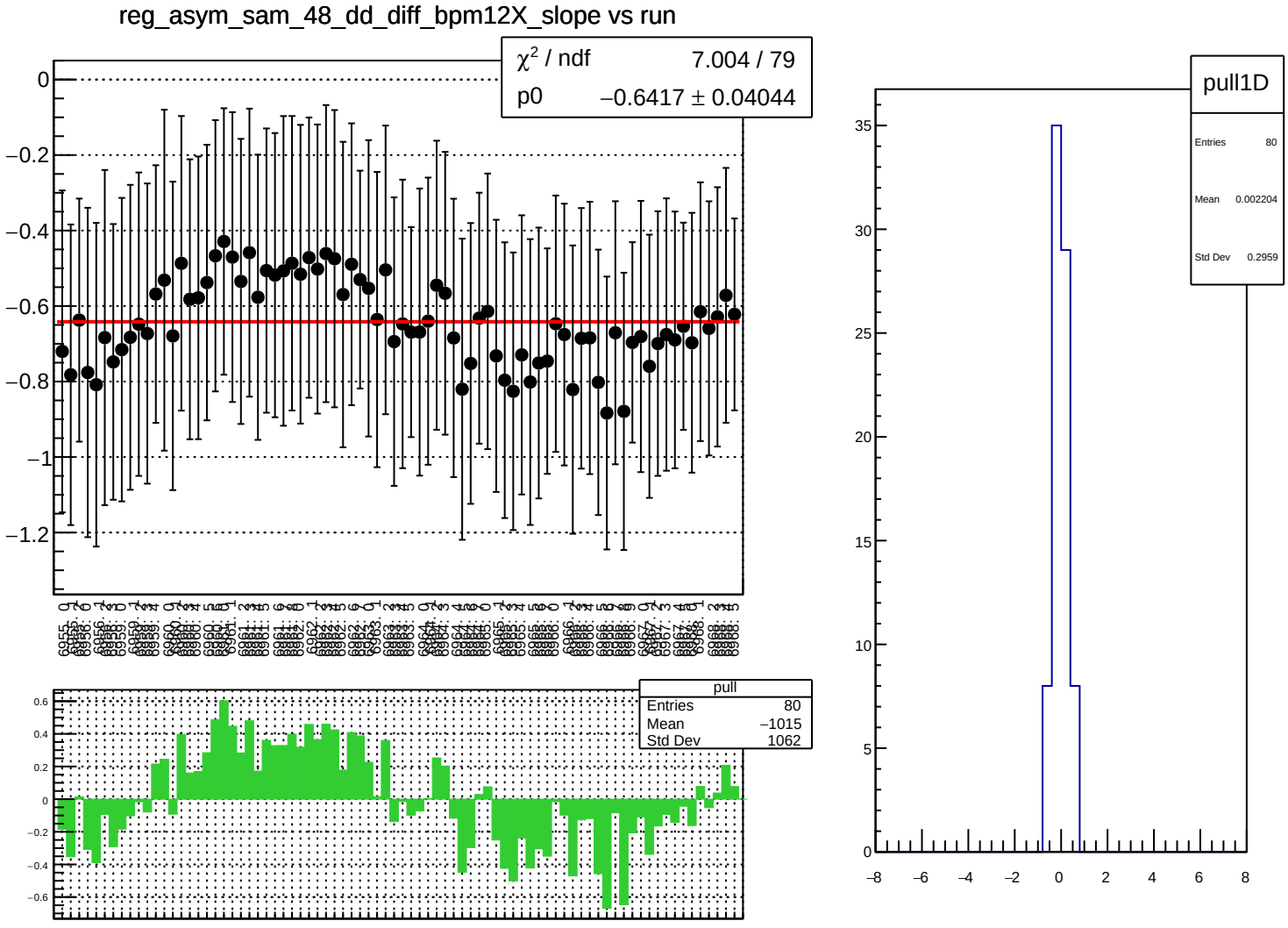

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.724 / 79
p0 −30.79 ± 1.328
pull
Entries 80
Mean −162.9
Std Dev 234.4
pull1D
Entries 80
Mean −0.002005
Std Dev 0.1845


reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.926 / 79
p0 32.09 ± 0.9168
pull
Entries 80
Mean 814.1
Std Dev 772.8
pull1D
Entries 80
Mean 0.004271
Std Dev 0.2481

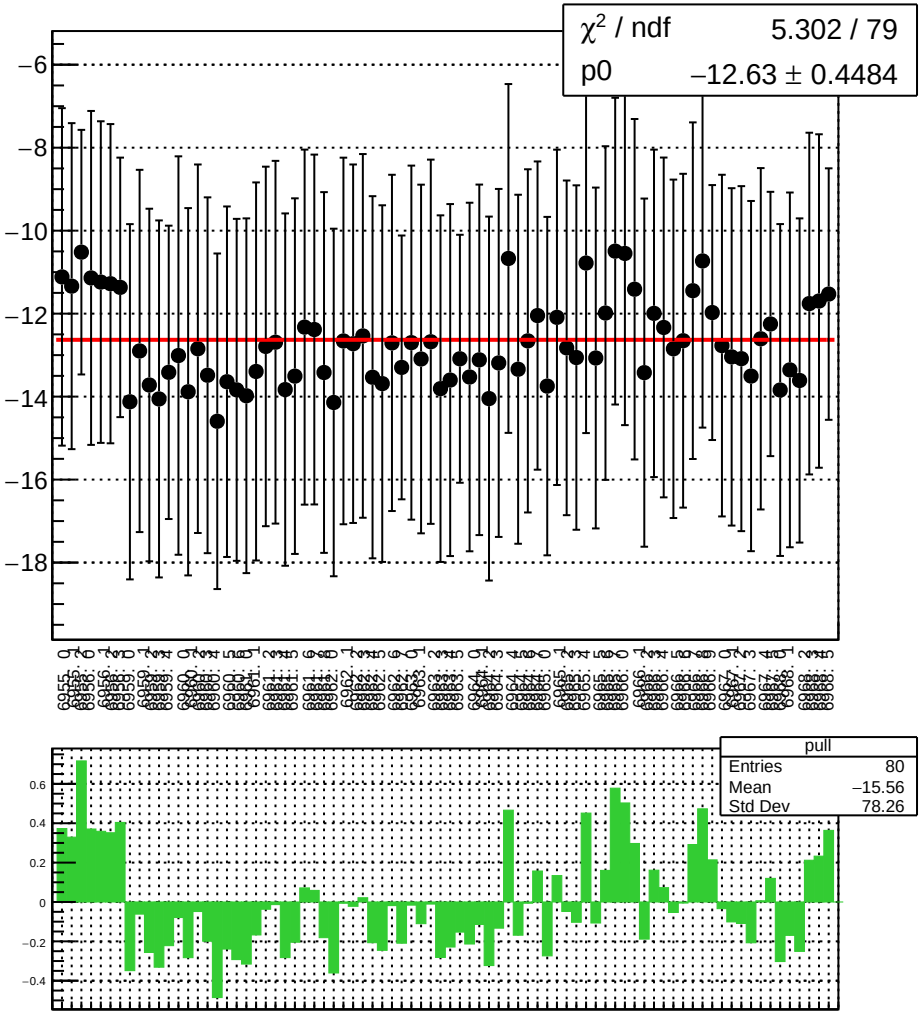

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.422 / 79
p0 −48.38 ± 1.229
pull
Entries 80
Mean −1737
Std Dev 1628
pull1D
Entries 80
Mean −4.635e−05
Std Dev 0.2068

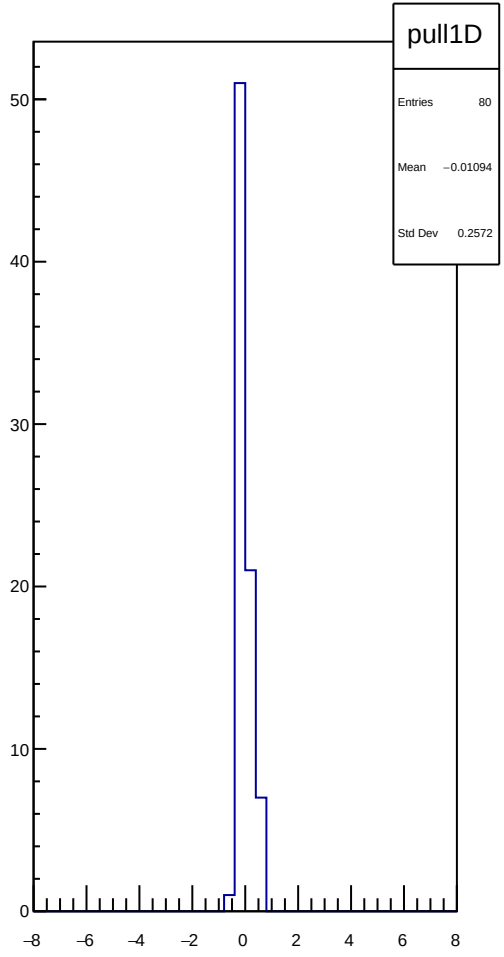

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.699 / 79
p0 78.15 ± 1.044
pull
Entries 80
Mean −1445
Std Dev 1486

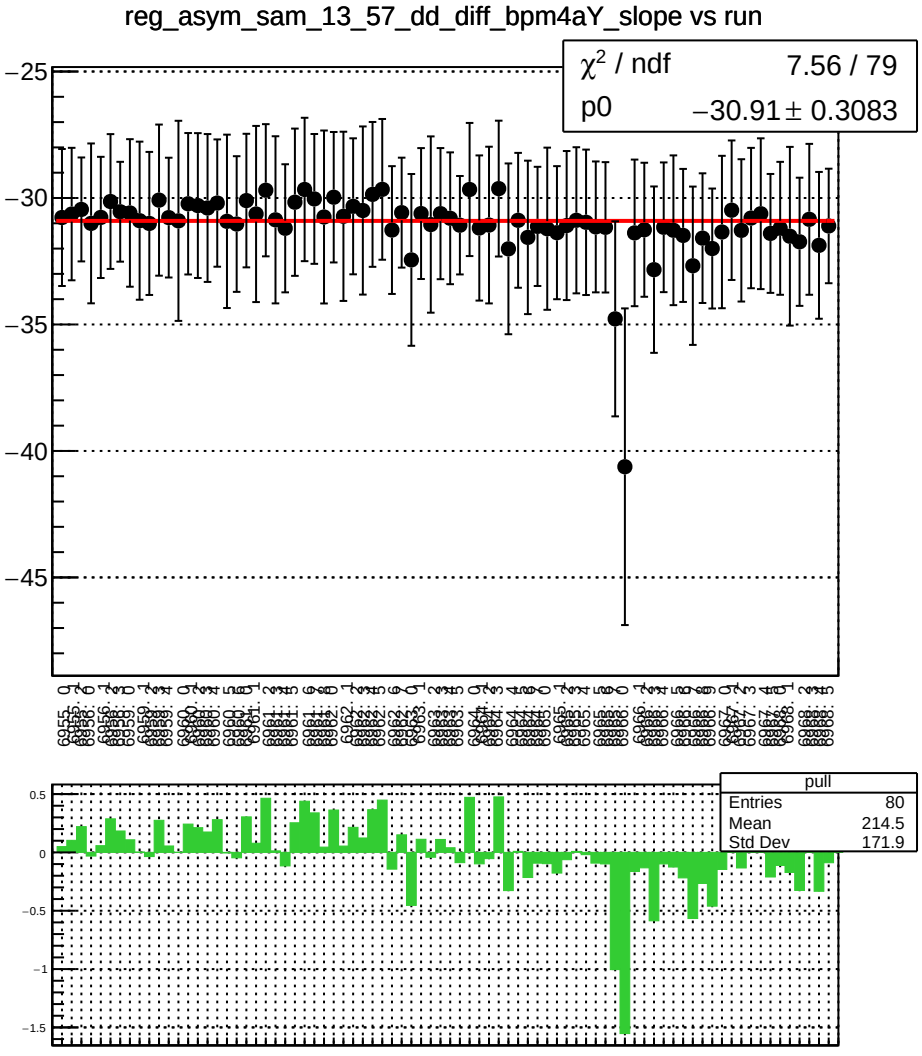

pull1D
Entries 80
Mean 0.003444
Std Dev 0.3297

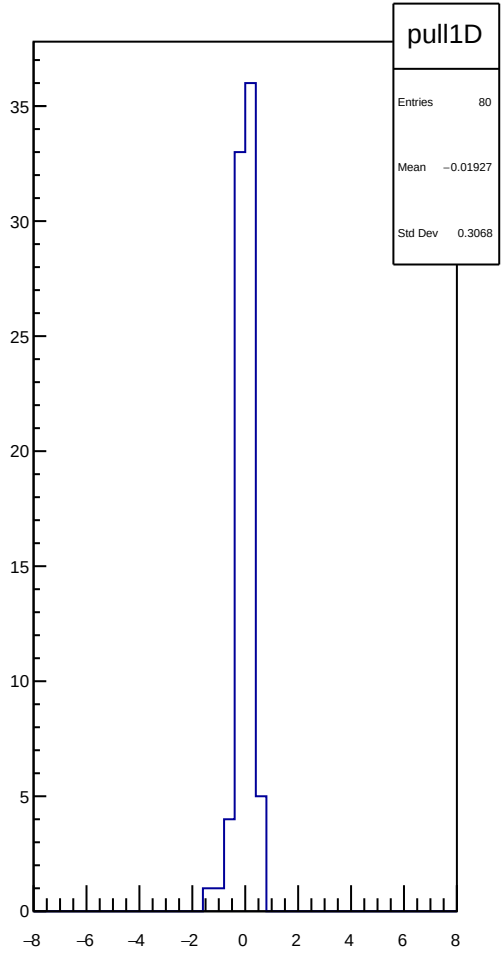

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.004 / 79
p0 −0.6417 ± 0.04044
pull
Entries 80
Mean −1015
Std Dev 1062
pull1D
Entries 80
Mean 0.002204
Std Dev 0.2959

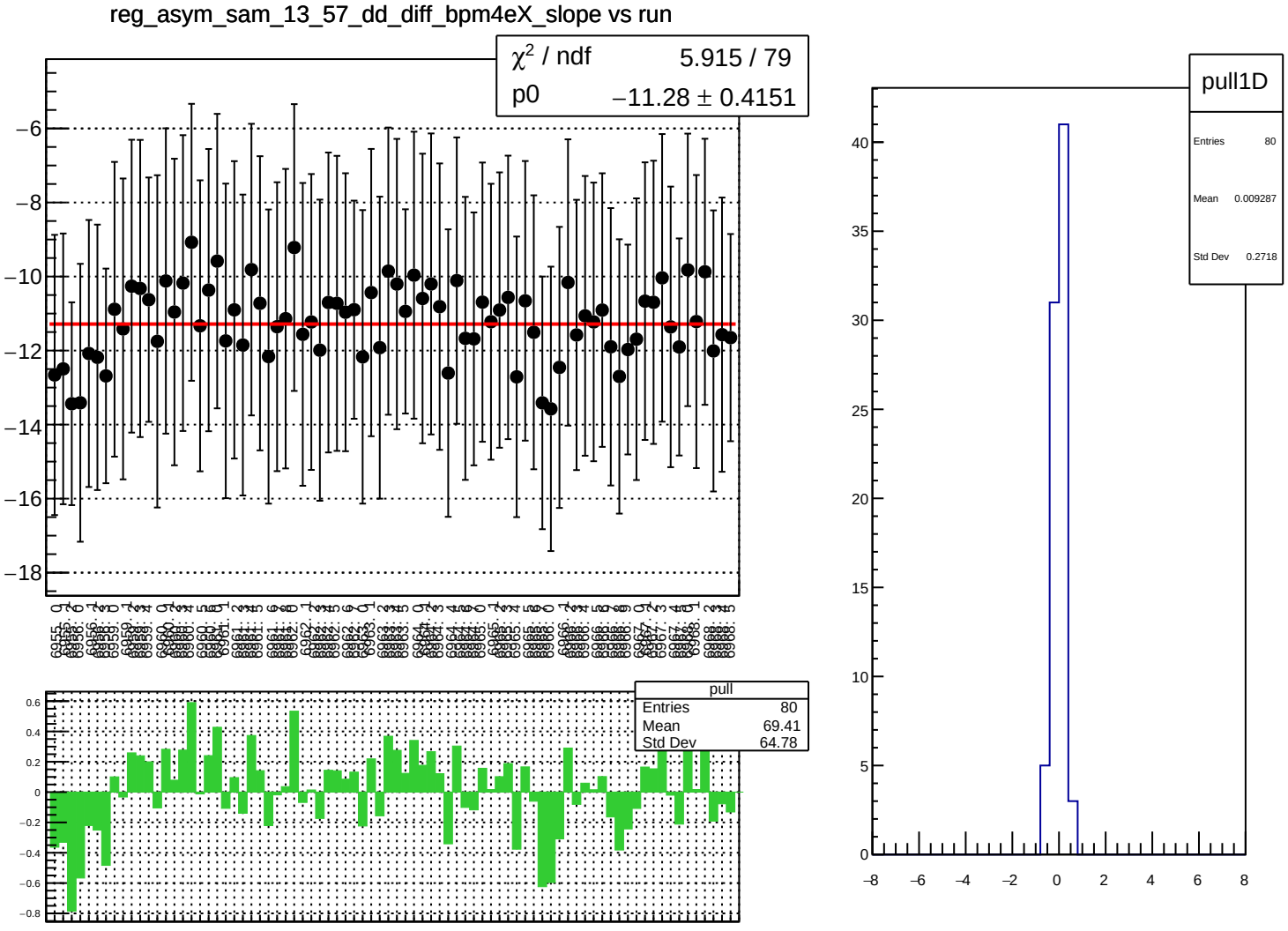
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run

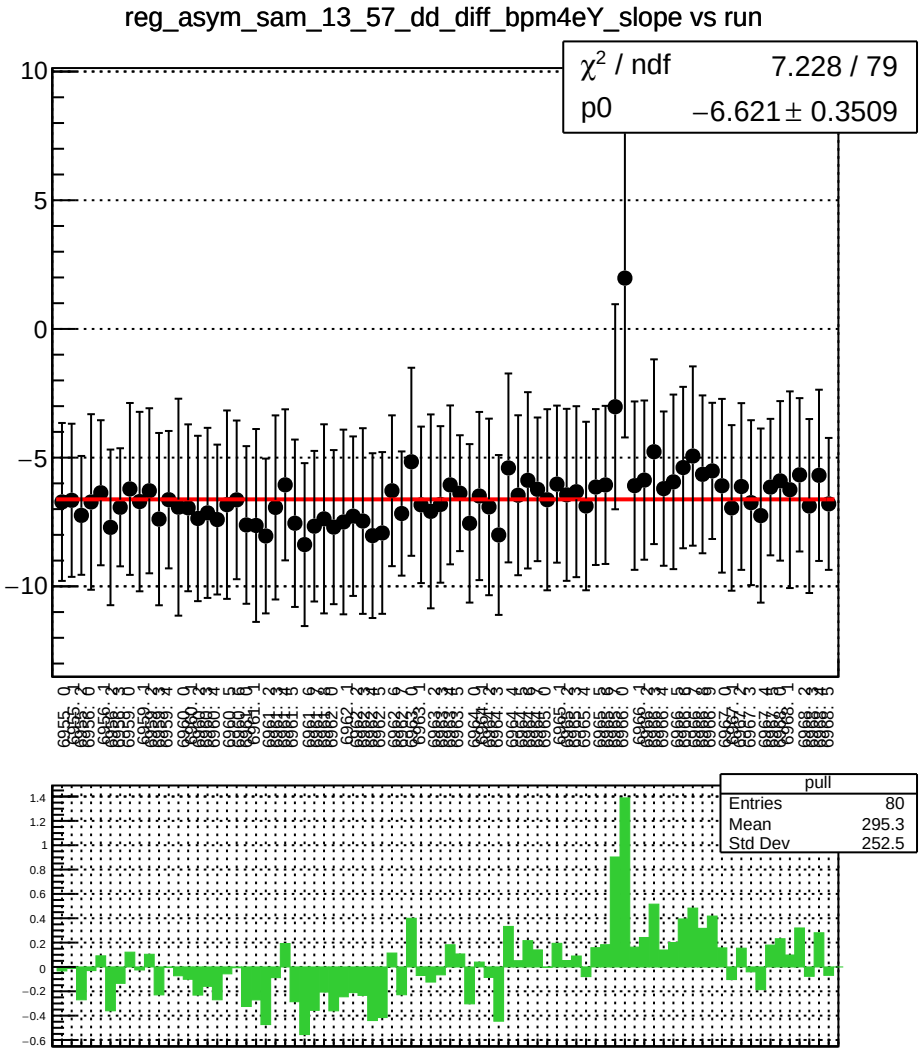


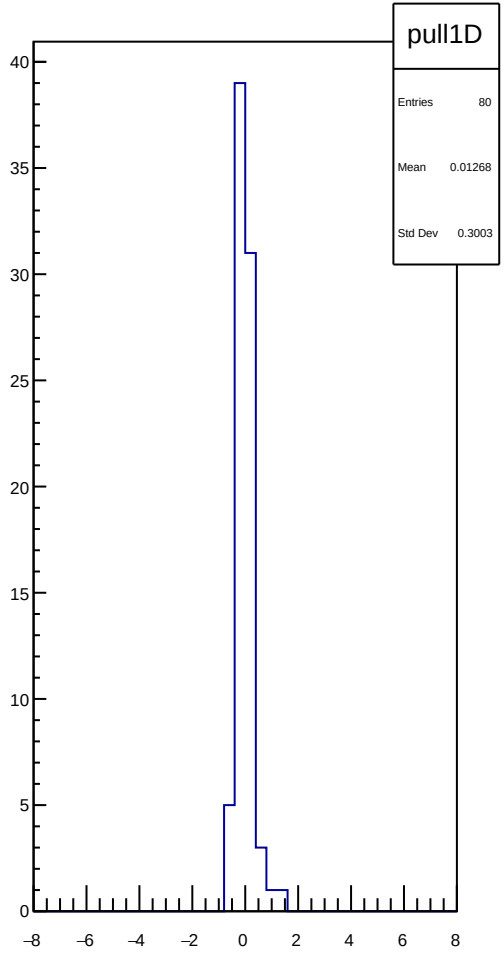


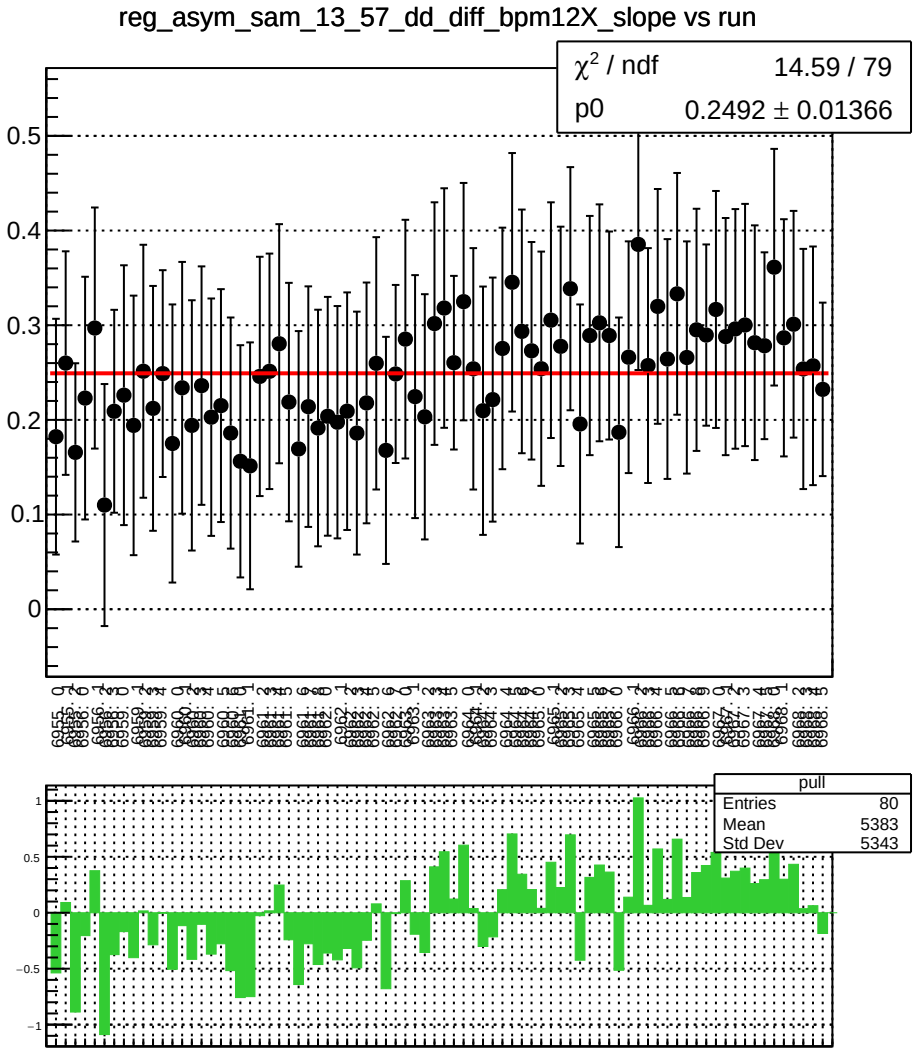

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.56 / 79
p0 −30.91 ± 0.3083
pull
Entries 80
Mean 214.5
Std Dev 171.9

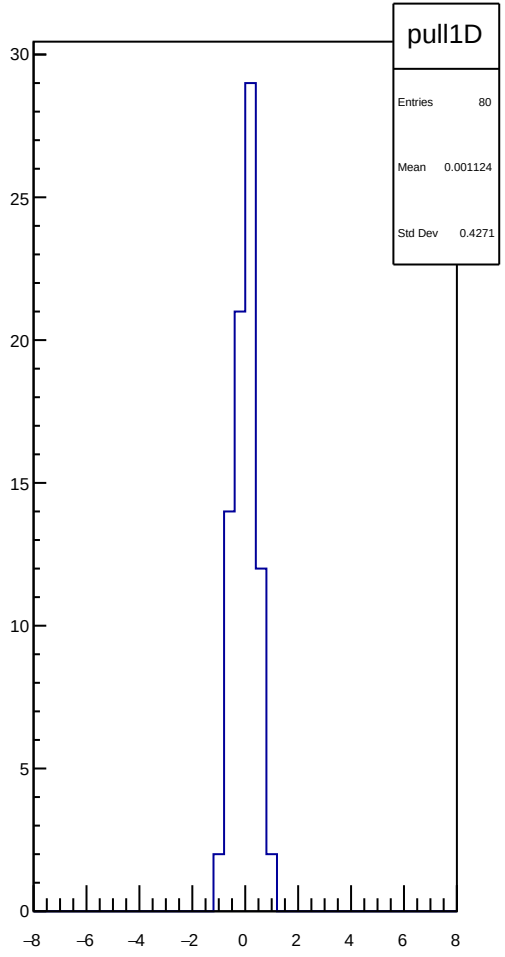

pull1D
Entries 80
Mean −0.01927
Std Dev 0.3068

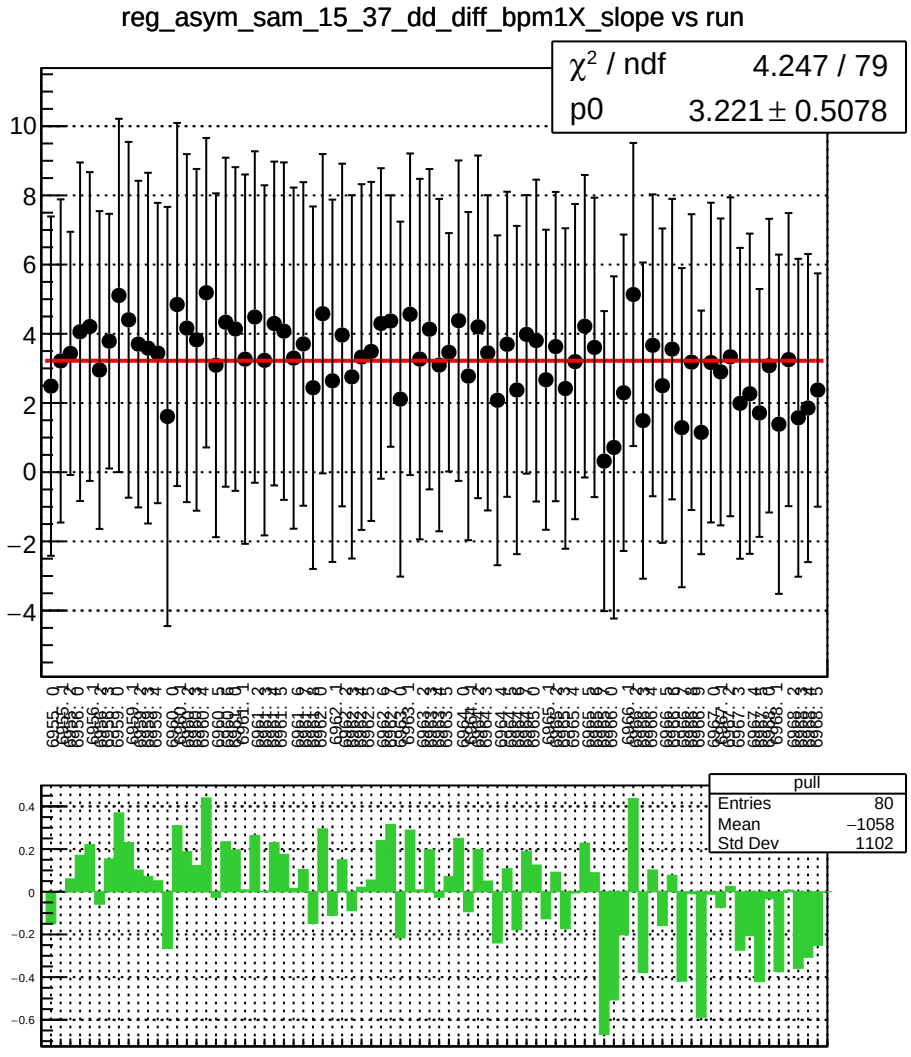

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.915 / 79
p0 −11.28 ± 0.4151
pull
Entries 80
Mean 69.41
Std Dev 64.78
pull1D
Entries 80
Mean 0.009287
Std Dev 0.2718

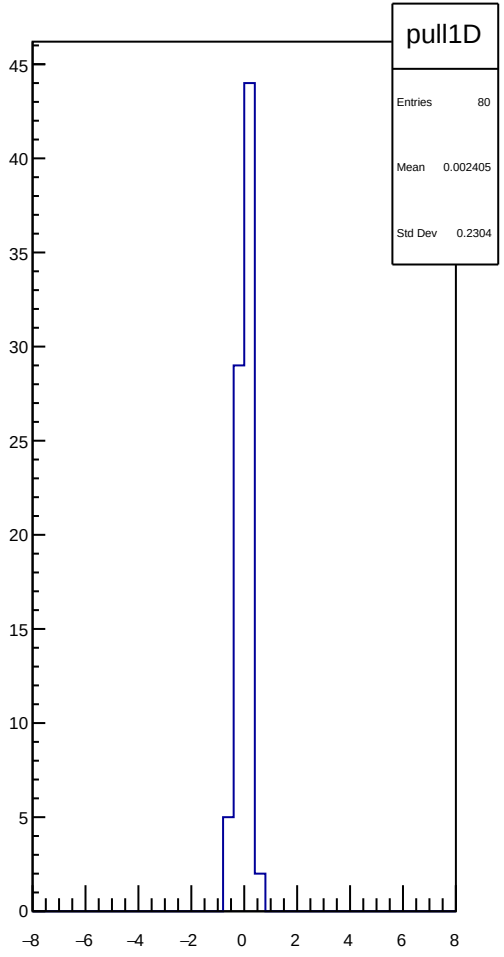

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.228 / 79
p0 −6.621 ± 0.3509
pull
Entries 80
Mean 295.3
Std Dev 252.5


pull1D
Entries 80
Mean 0.01268
Std Dev 0.3003

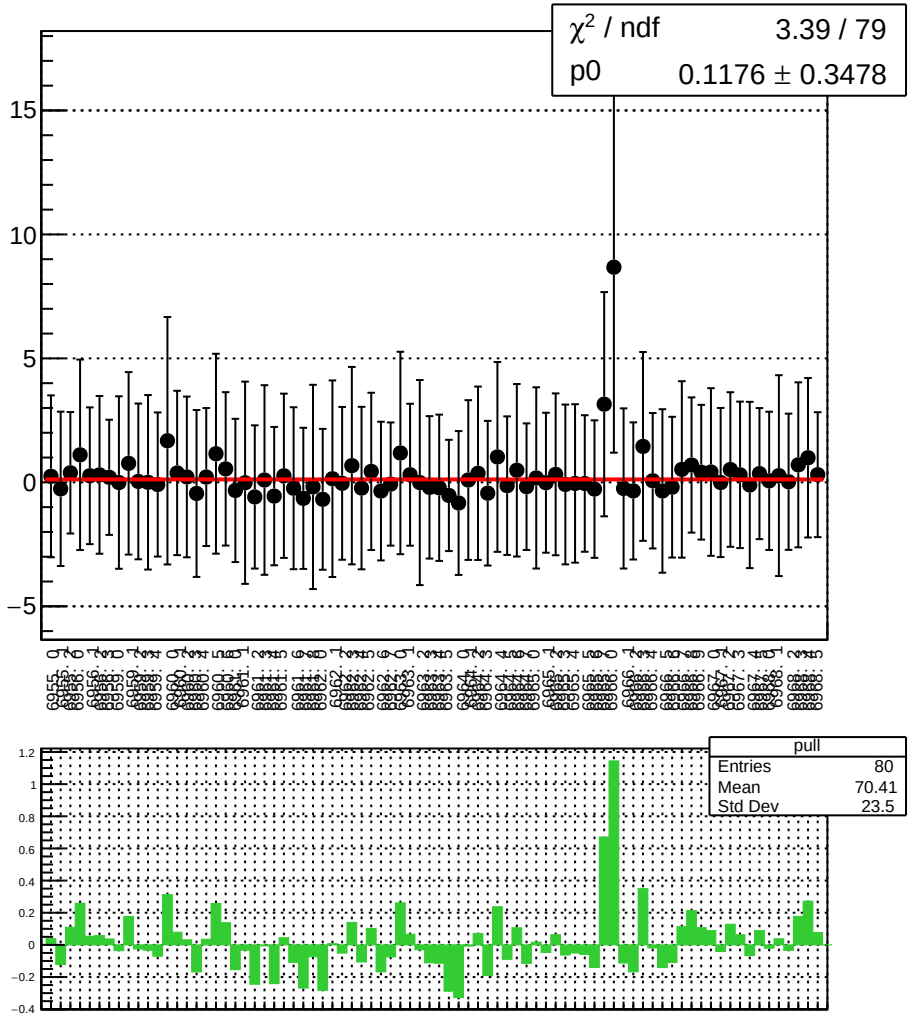

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 14.59 / 79
p0 0.2492 ± 0.01366
pull
Entries 80
Mean 5383
Std Dev 5343

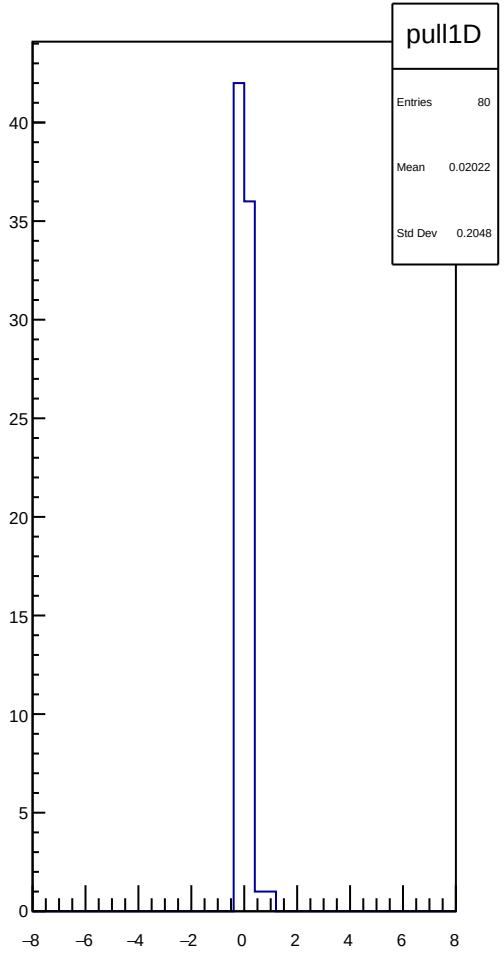

pull1D
Entries 80
Mean 0.001124
Std Dev 0.4271

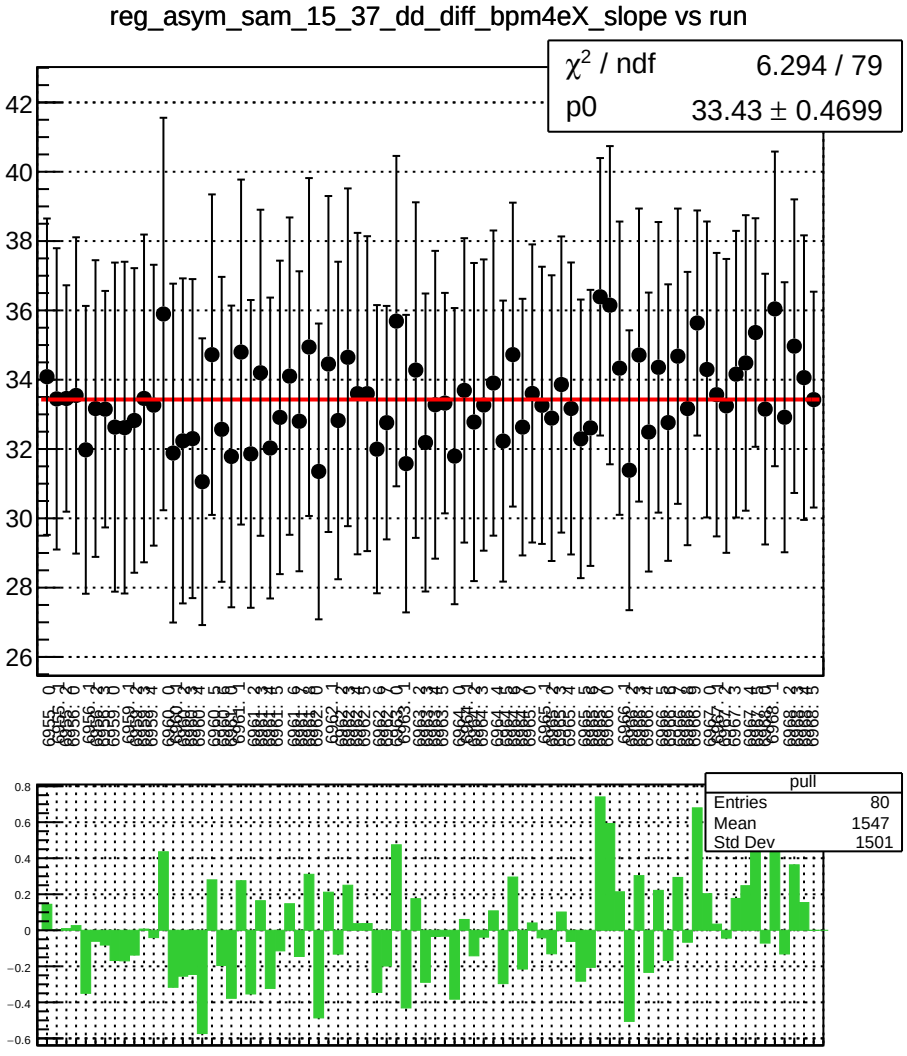

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.247 / 79
p0 3.221 ± 0.5078
pull
Entries 80
Mean −1058
Std Dev 1102

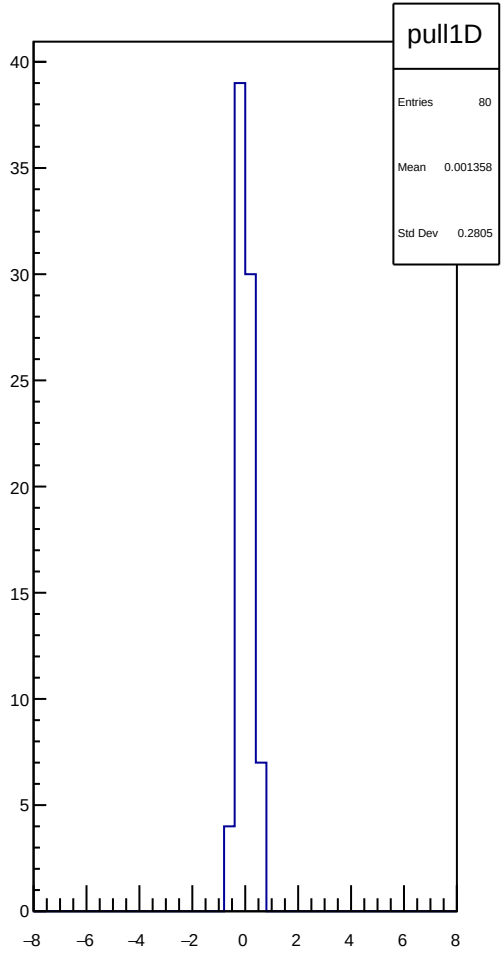

pull1D
Entries 80
Mean 0.002405
Std Dev 0.2304

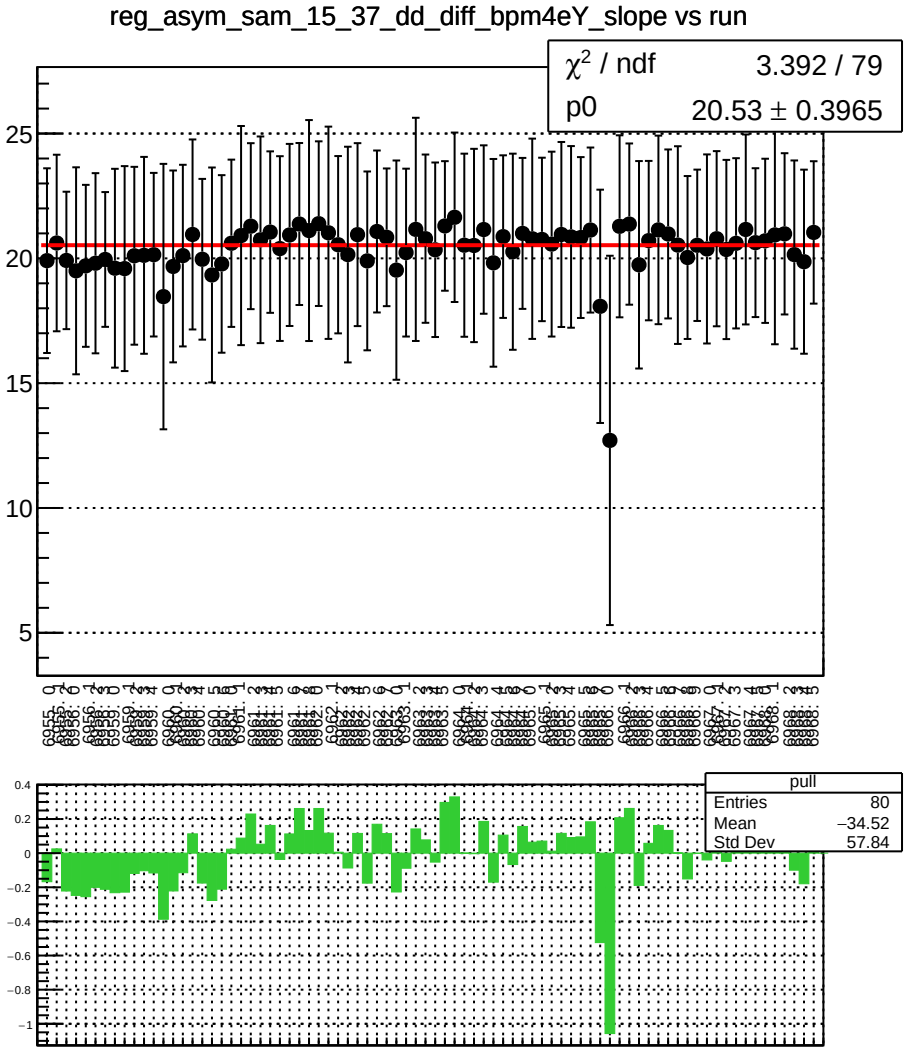
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

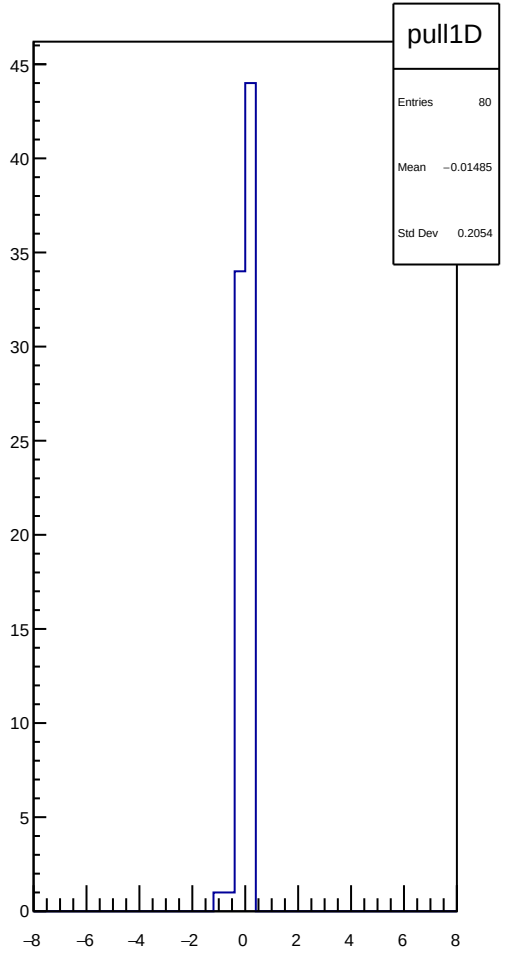


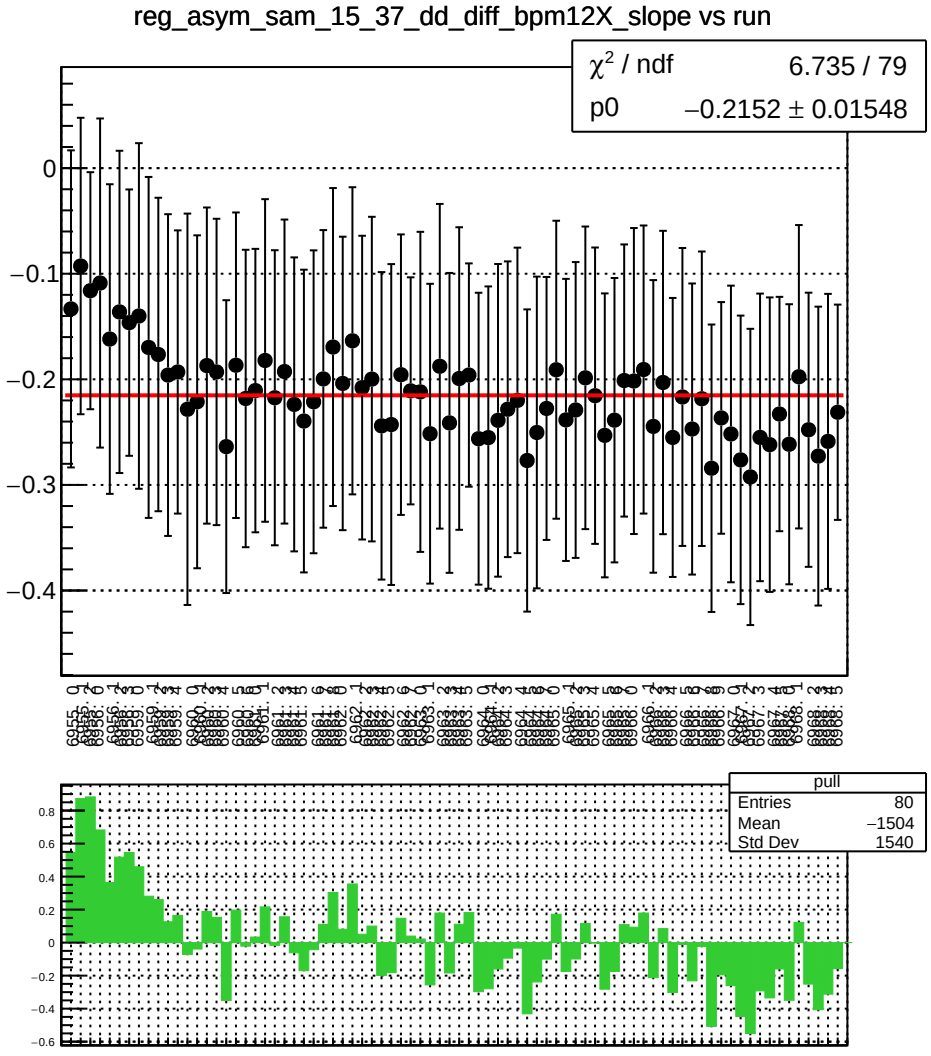


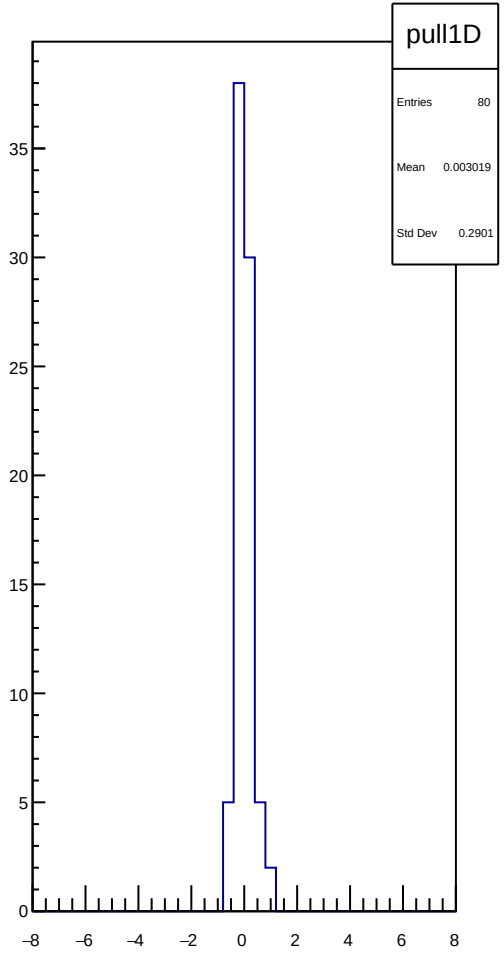

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.294 / 79
p0 33.43 ± 0.4699
pull
Entries 80
Mean 1547
Std Dev 1501

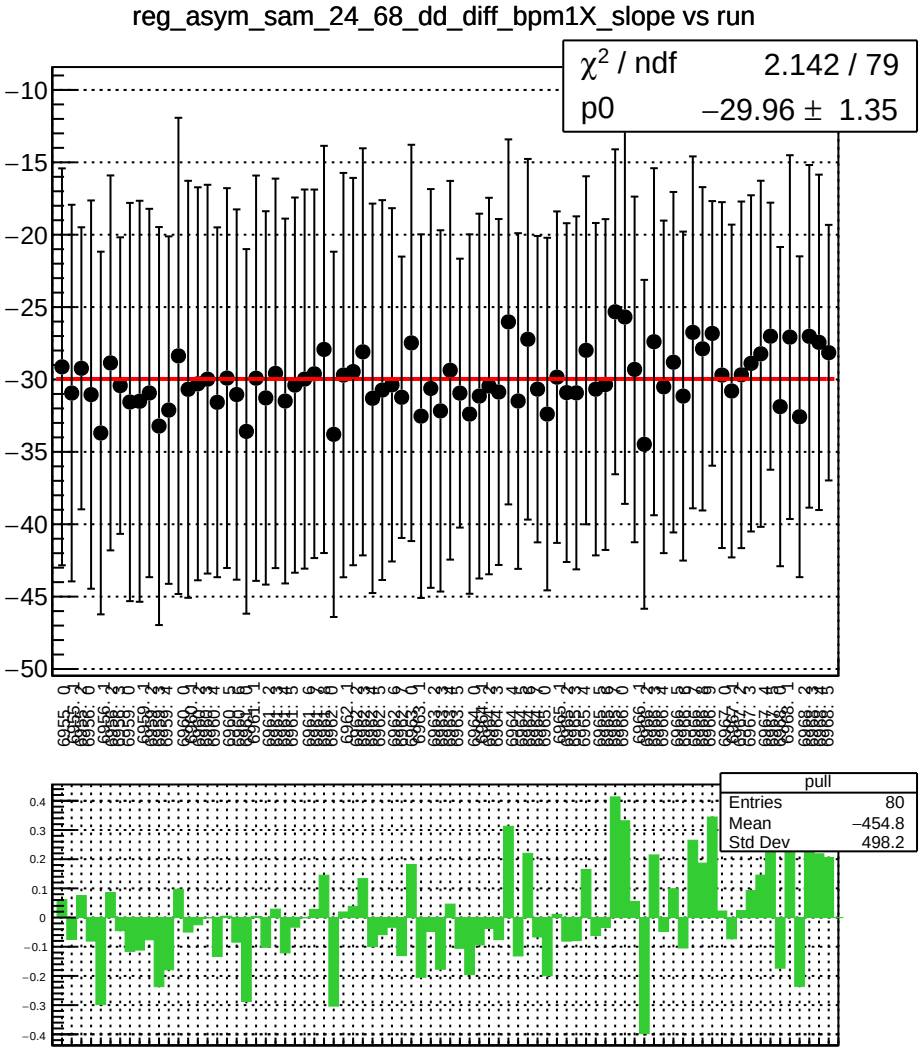

pull1D
Entries 80
Mean 0.001358
Std Dev 0.2805

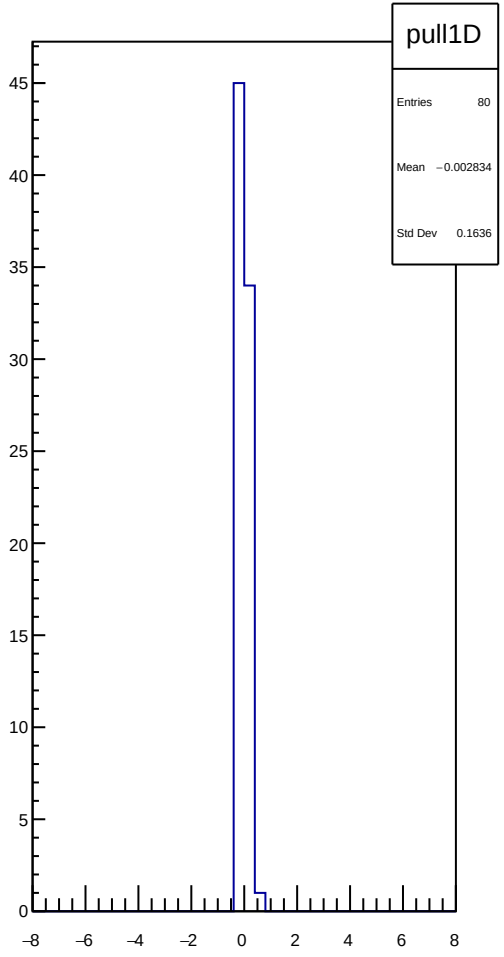

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.392 / 79
p0 20.53 ± 0.3965
pull
Entries 80
Mean −34.52
Std Dev 57.84

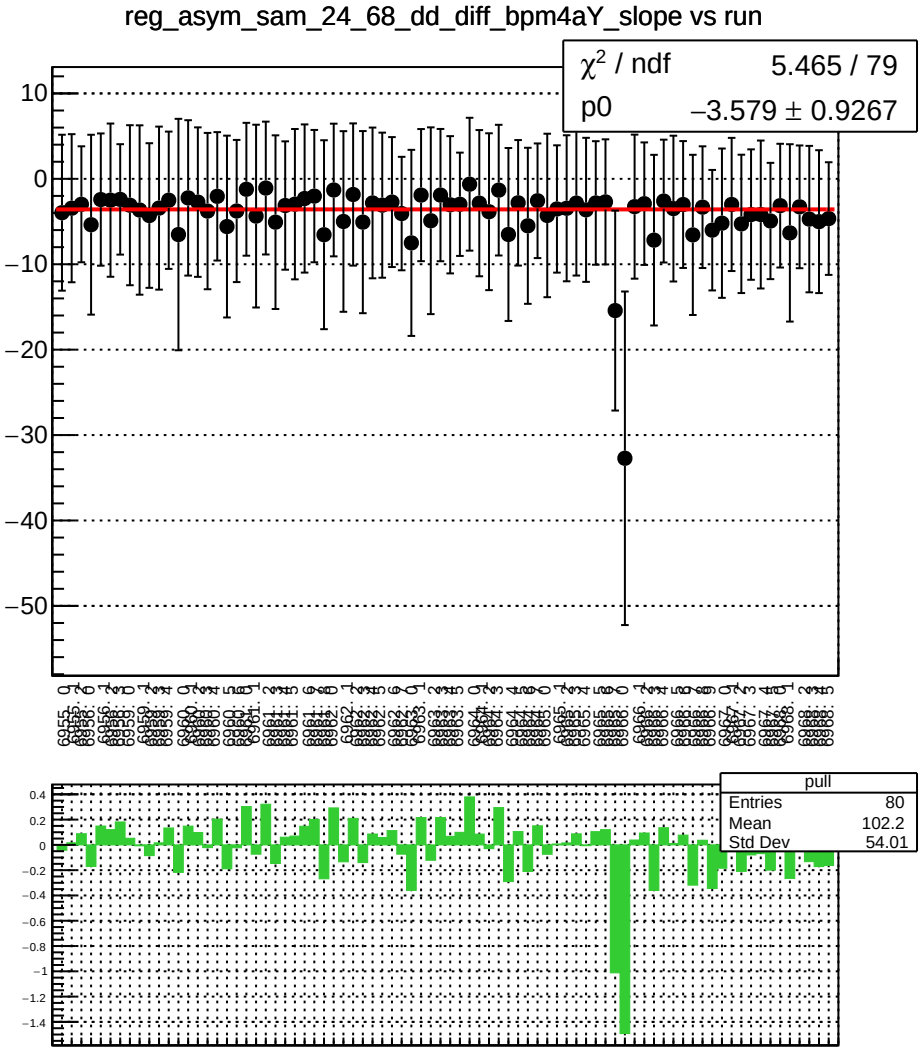

pull1D
Entries 80
Mean −0.01485
Std Dev 0.2054

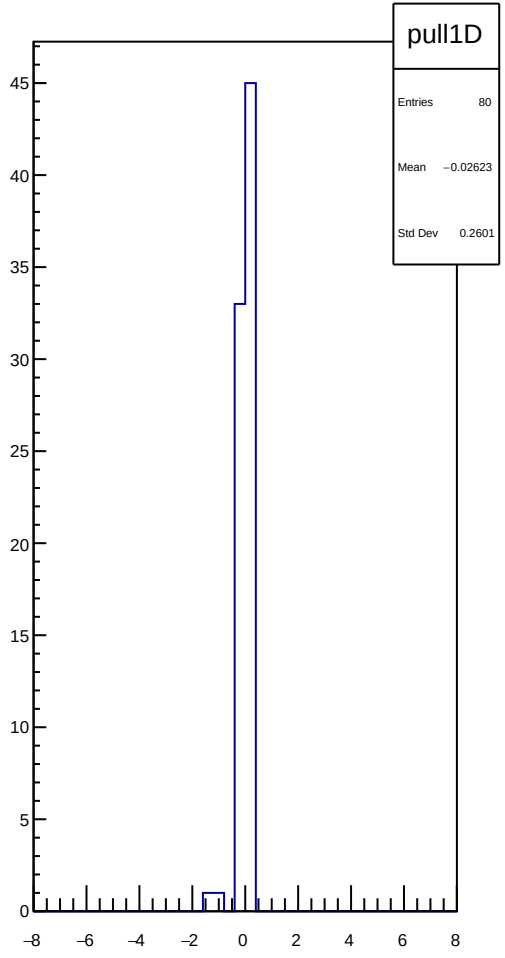

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.735 / 79
p0 −0.2152 ± 0.01548
pull
Entries 80
Mean −1504
Std Dev 1540

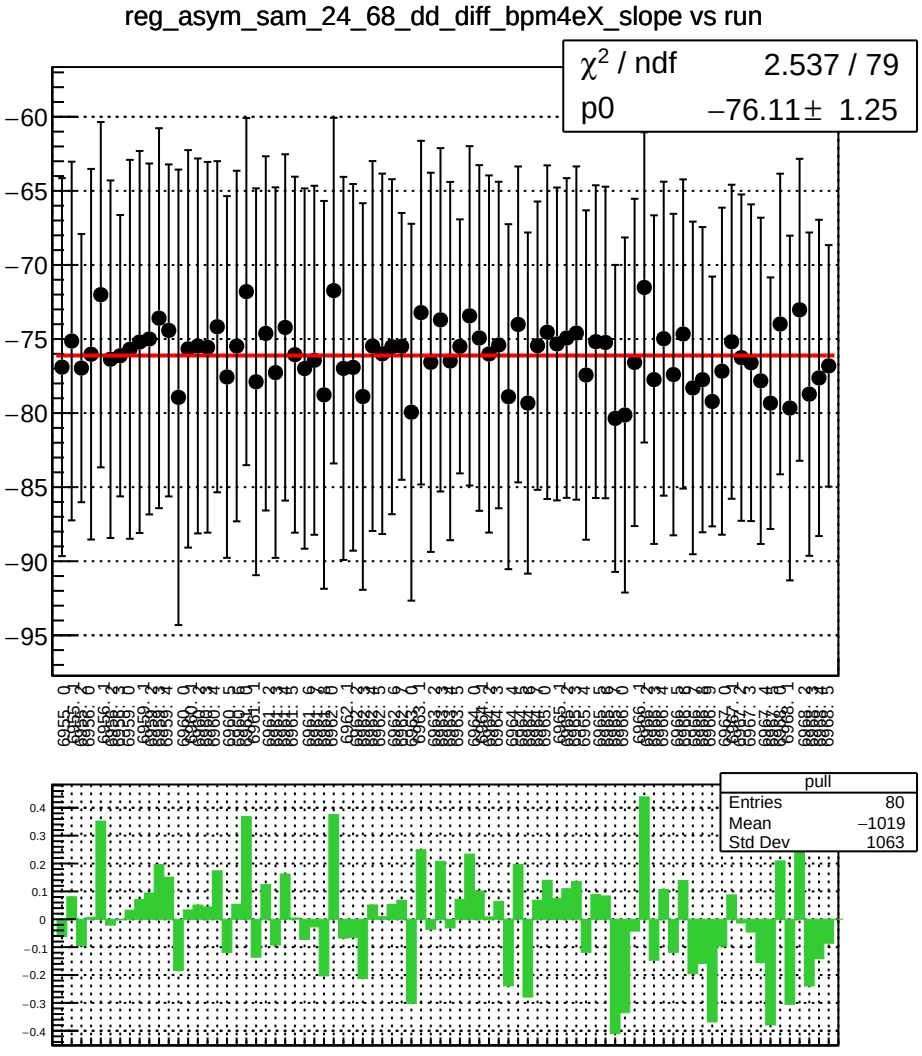

pull1D
Entries 80
Mean 0.003019
Std Dev 0.2901

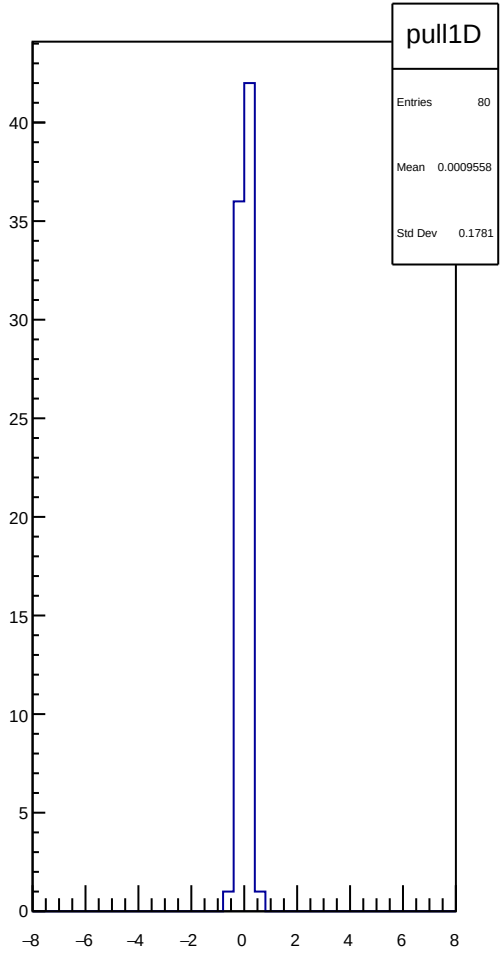

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 2.142 / 79
p0 −29.96 ± 1.35
pull
Entries 80
Mean −454.8
Std Dev 498.2

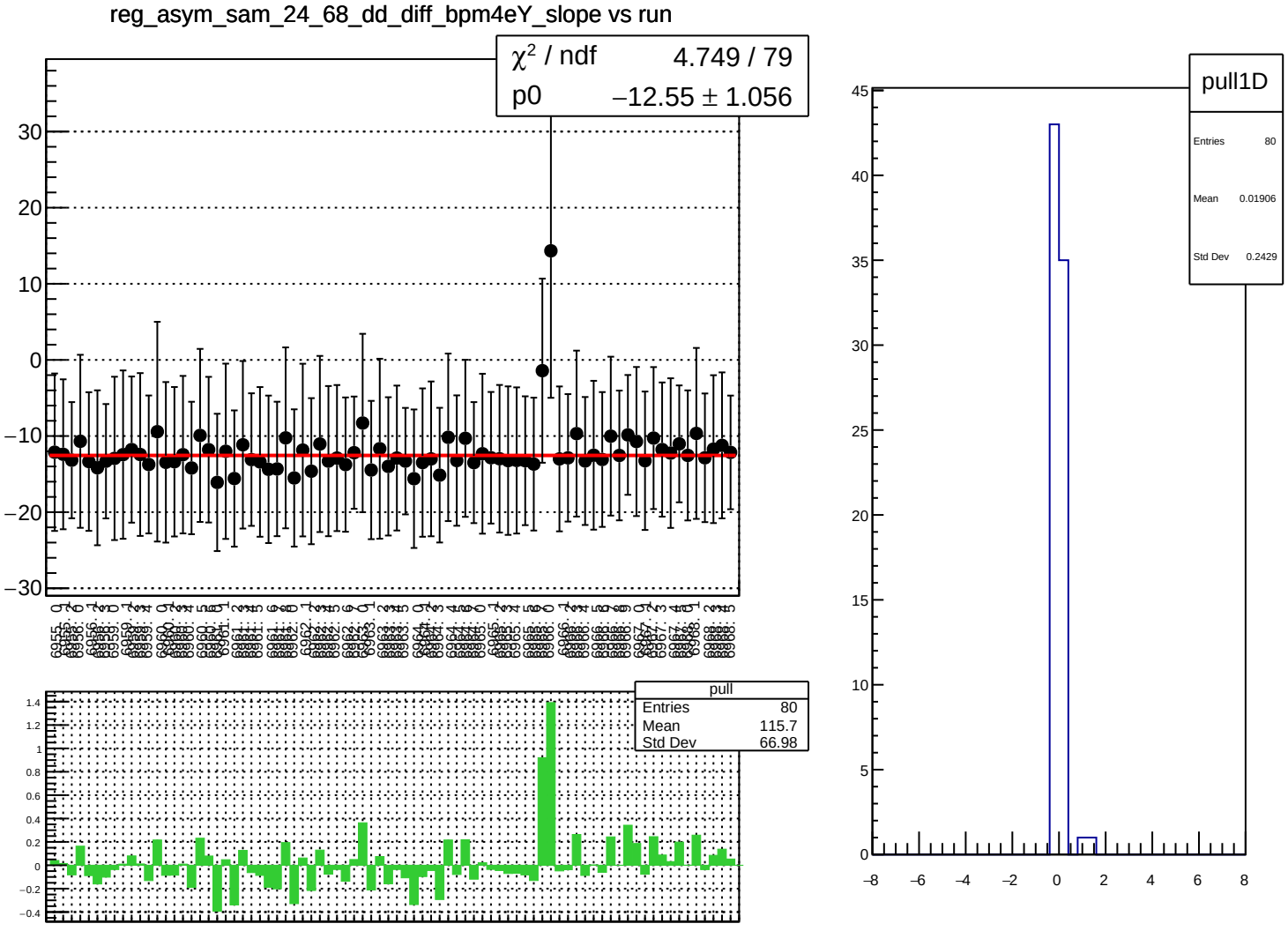

pull1D
Entries 80
Mean −0.002834
Std Dev 0.1636

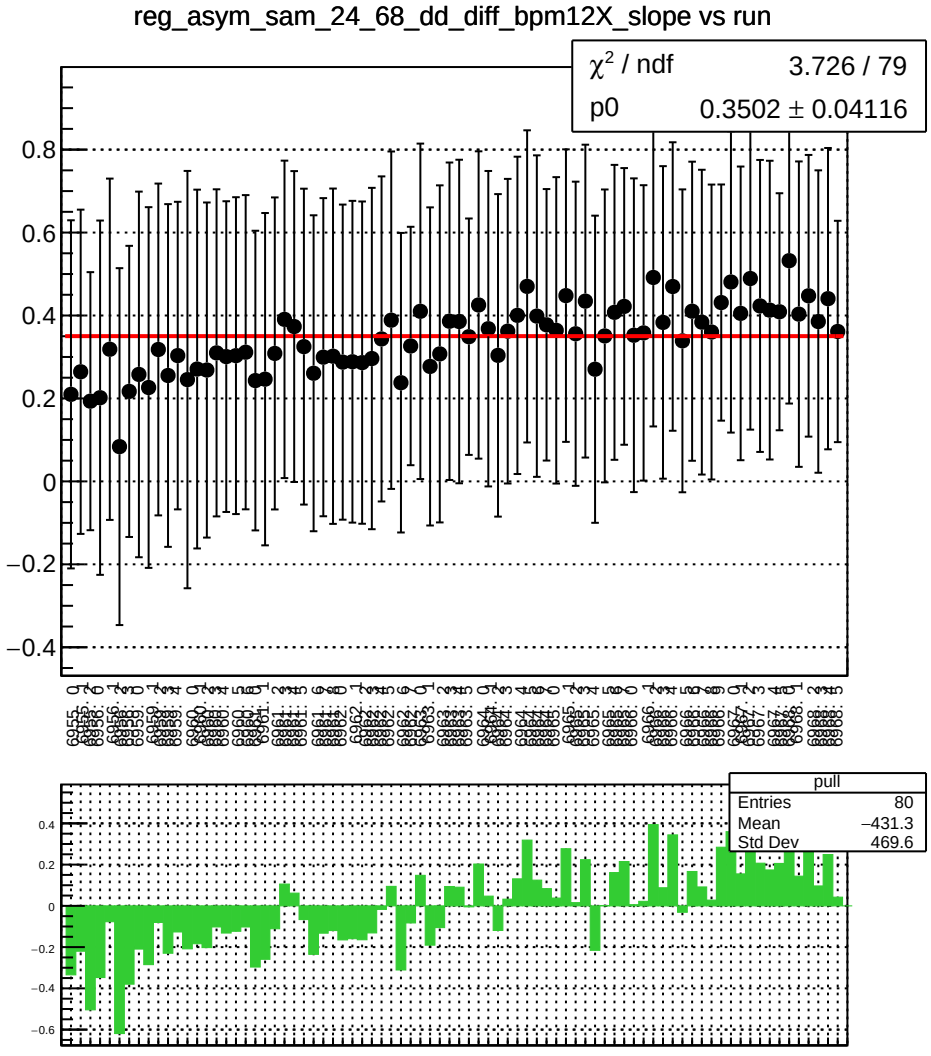

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.465 / 79
p0 −3.579 ± 0.9267
pull
Entries 80
Mean 102.2
Std Dev 54.01

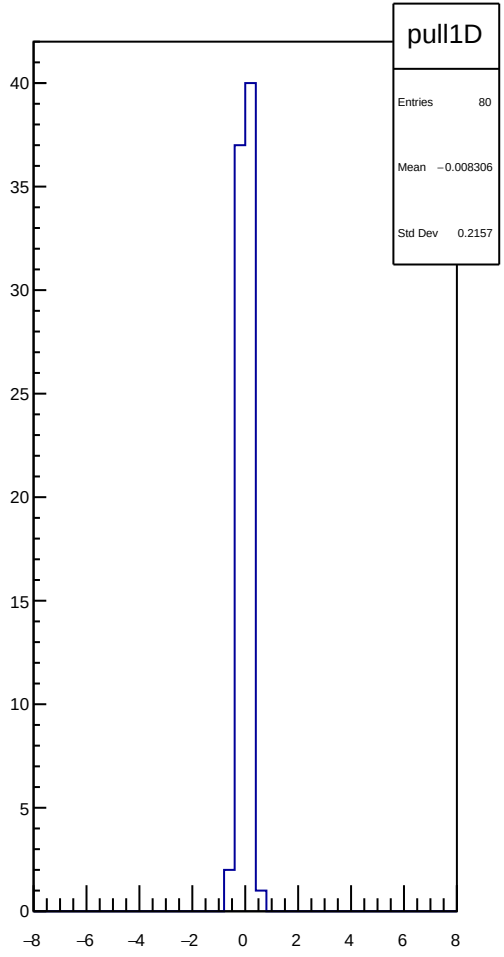

pull1D
Entries 80
Mean −0.02623
Std Dev 0.2601

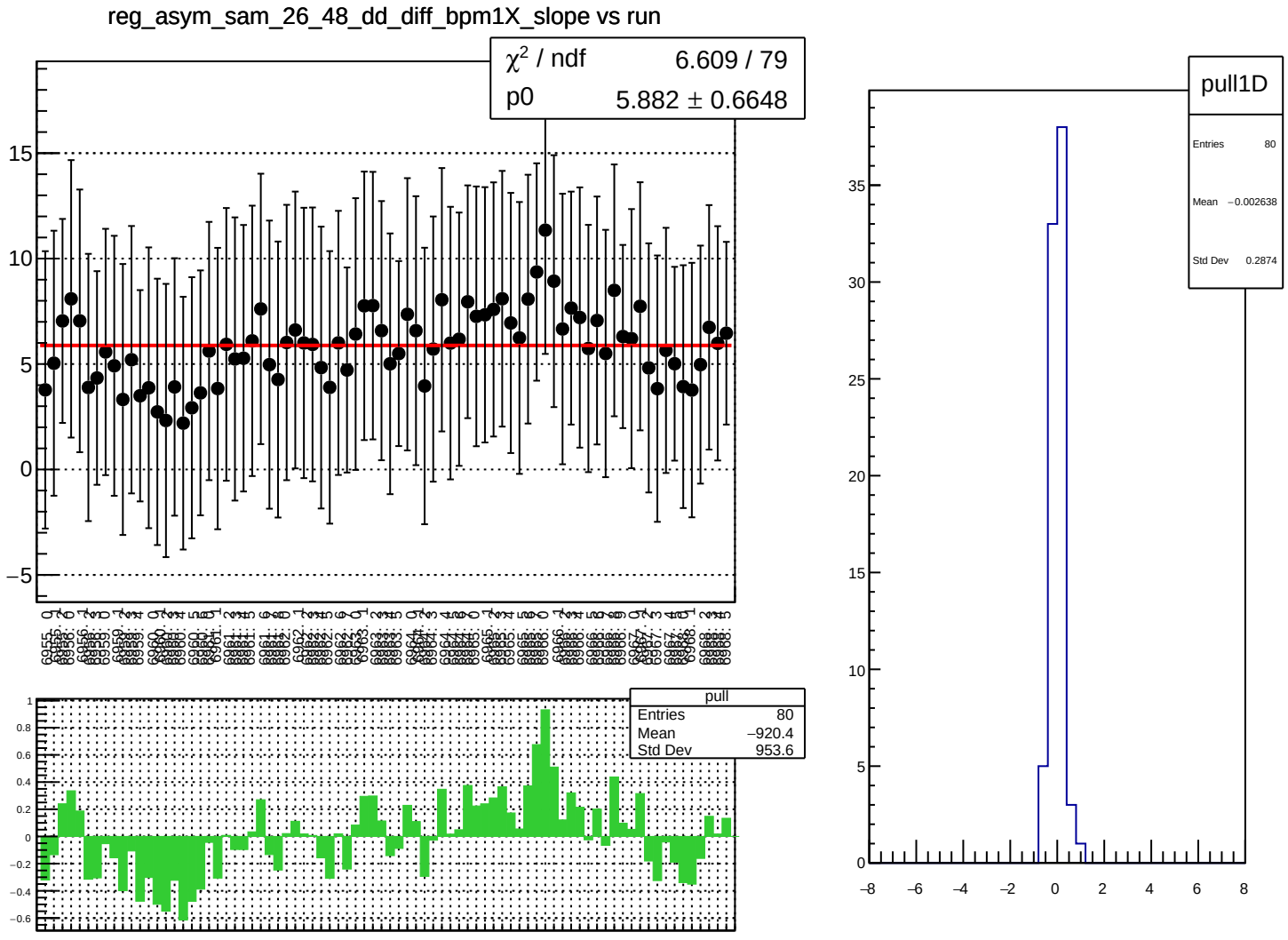

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.537 / 79
p0 −76.11 ± 1.25
pull
Entries 80
Mean −1019
Std Dev 1063

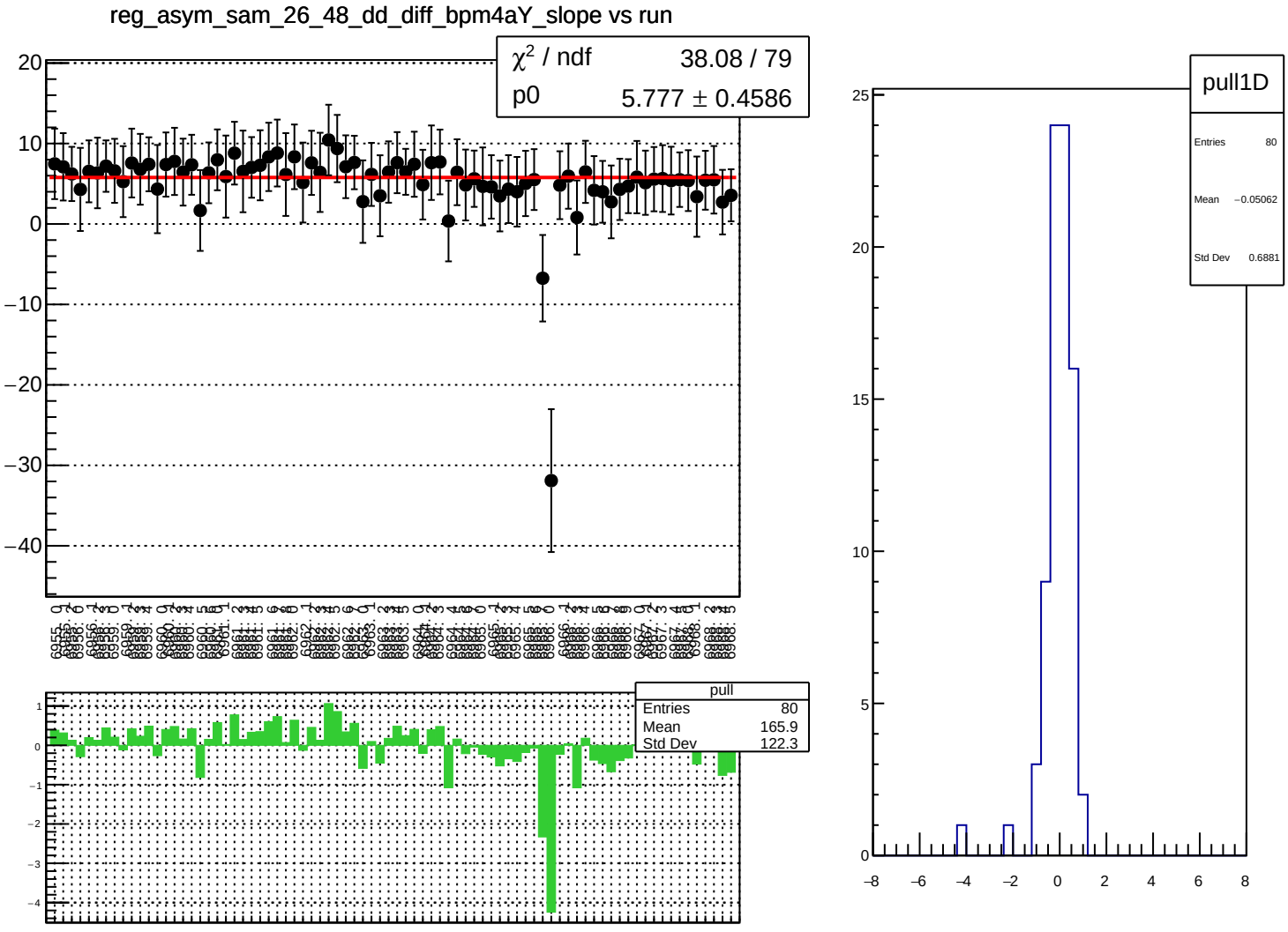

pull1D
Entries 80
Mean 0.0009558
Std Dev 0.1781

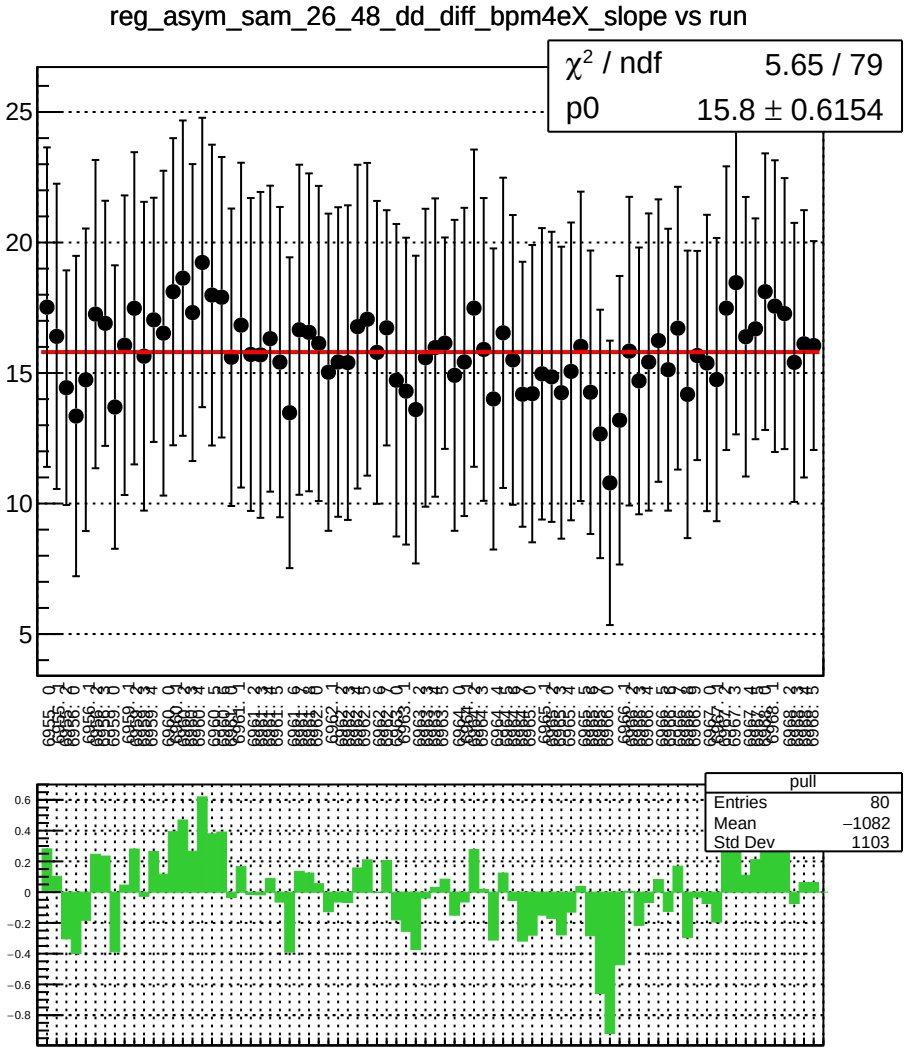

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.749 / 79
p0 −12.55 ± 1.056
pull
Entries 80
Mean 115.7
Std Dev 66.98
pull1D
Entries 80
Mean 0.01906
Std Dev 0.2429

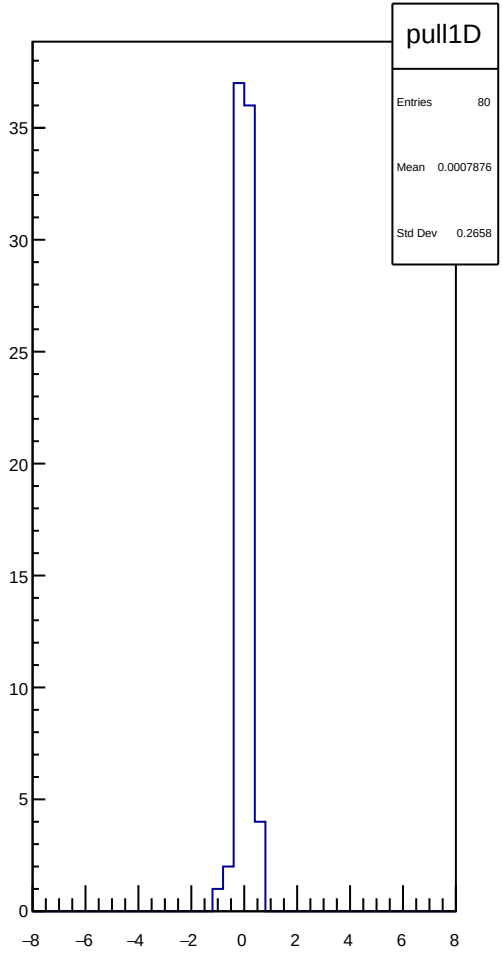

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.726 / 79
p0 0.3502 ± 0.04116
pull
Entries 80
Mean −431.3
Std Dev 469.6

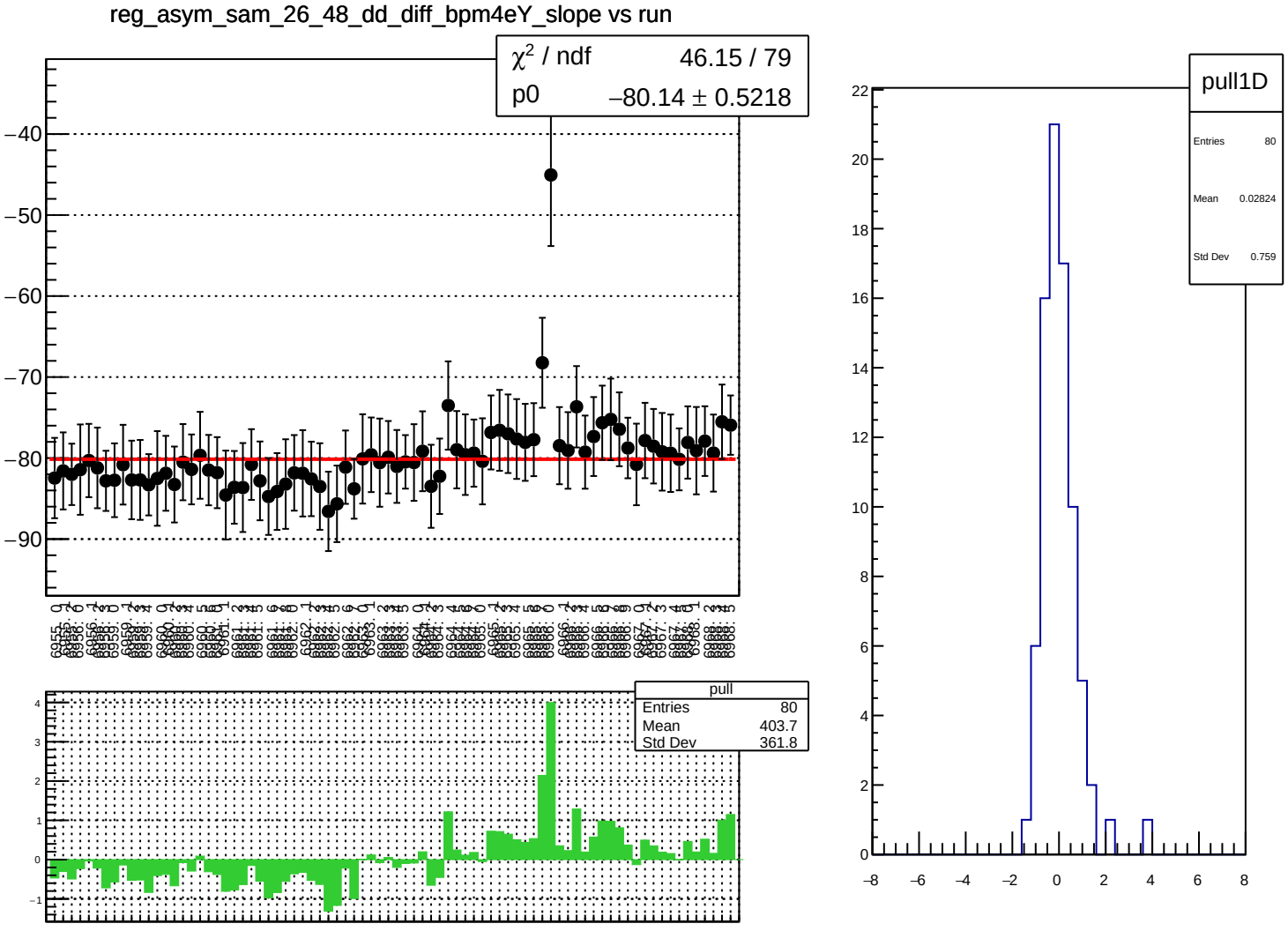

pull1D
Entries 80
Mean −0.008306
Std Dev 0.2157

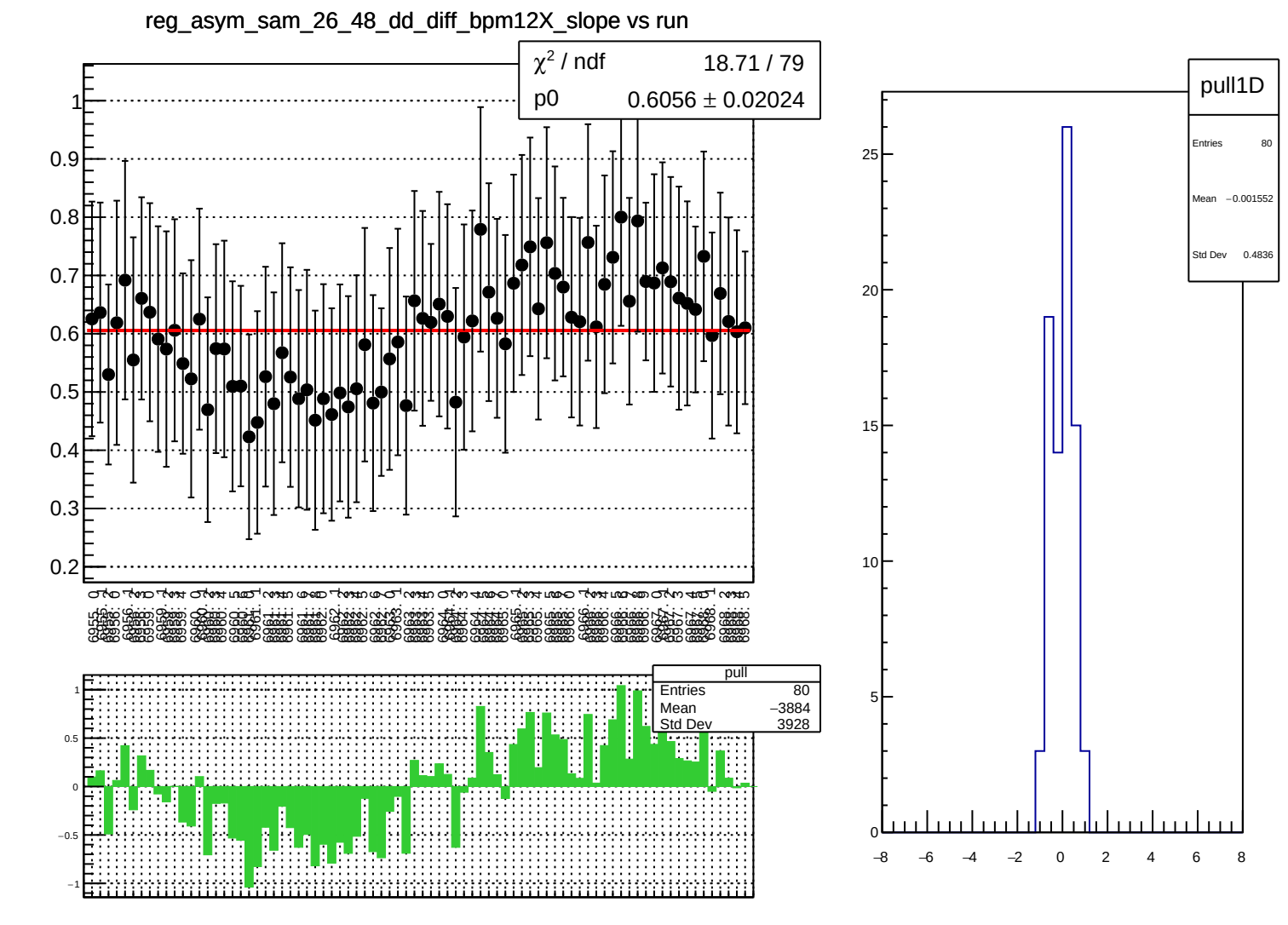

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.609 / 79
p0 5.882 ± 0.6648
pull
Entries 80
Mean −920.4
Std Dev 953.6
pull1D
Entries 80
Mean −0.002638
Std Dev 0.2874


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.08 / 79
p0 5.777 ± 0.4586
pull
Entries 80
Mean 165.9
Std Dev 122.3
pull1D
Entries 80
Mean −0.05062
Std Dev 0.6881

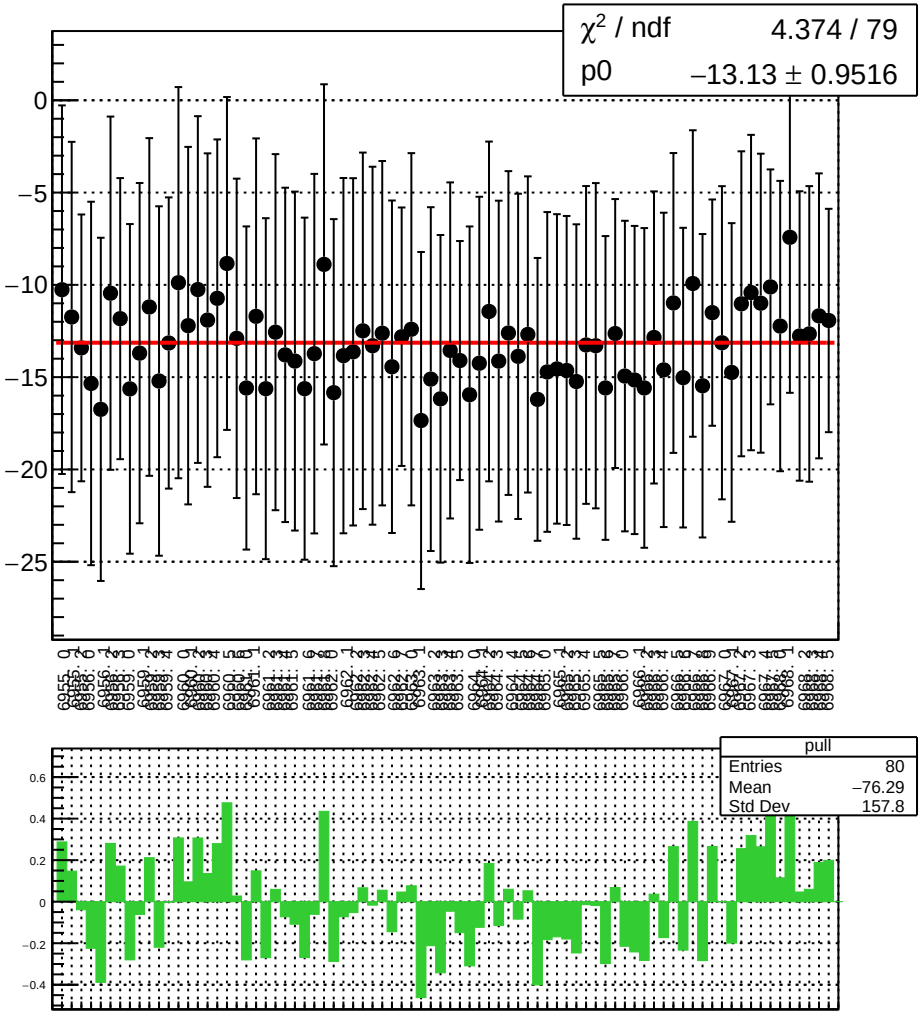

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.65 / 79
p0 15.8 ± 0.6154
pull
Entries 80
Mean −1082
Std Dev 1103

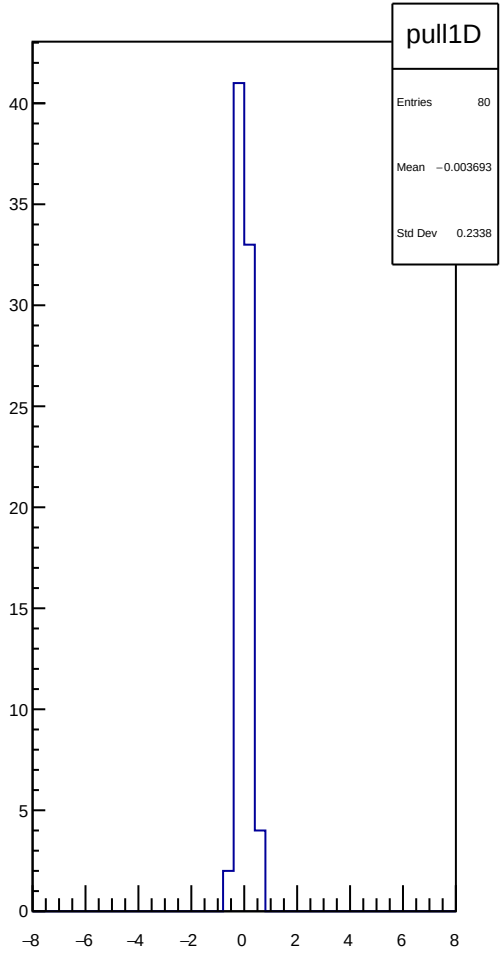

pull1D
Entries 80
Mean 0.0007876
Std Dev 0.2658


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.15 / 79
p0 −80.14 ± 0.5218
pull
Entries 80
Mean 403.7
Std Dev 361.8
pull1D
Entries 80
Mean 0.02824
Std Dev 0.759

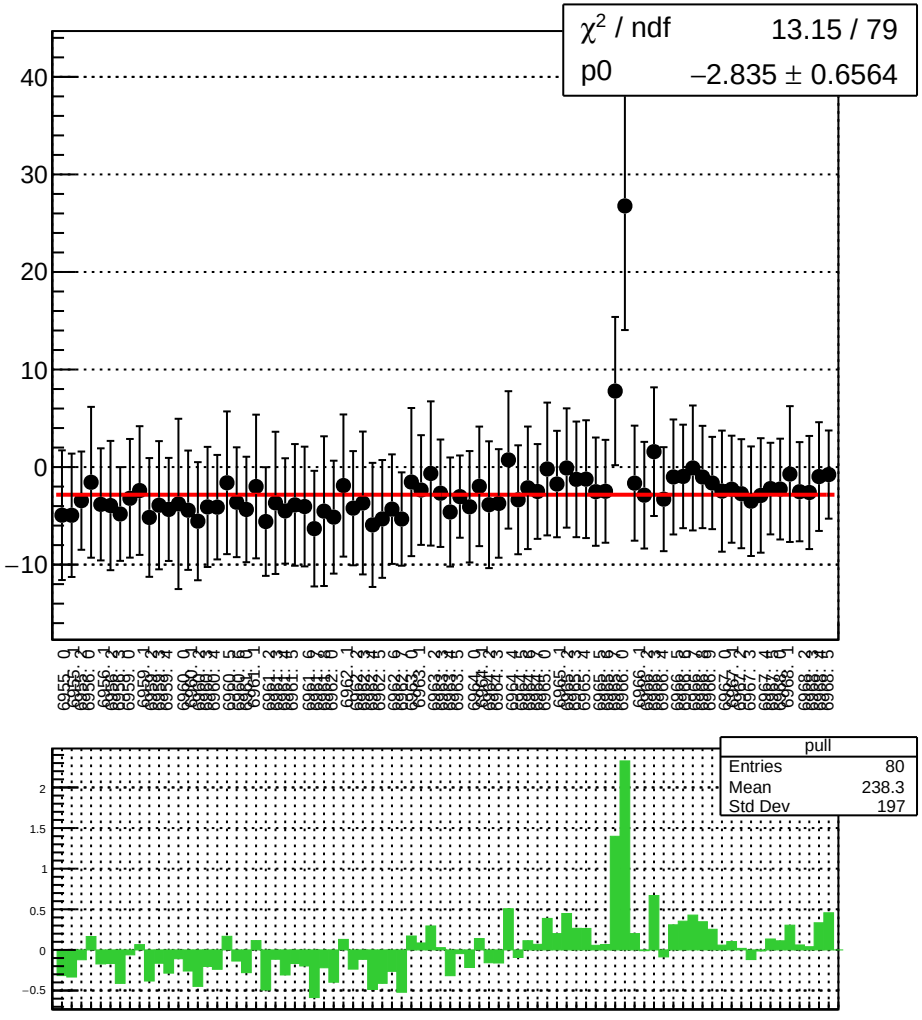

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.71 / 79
p0 0.6056 ± 0.02024
pull
Entries 80
Mean −3884
Std Dev 3928
pull1D
Entries 80
Mean −0.001552
Std Dev 0.4836

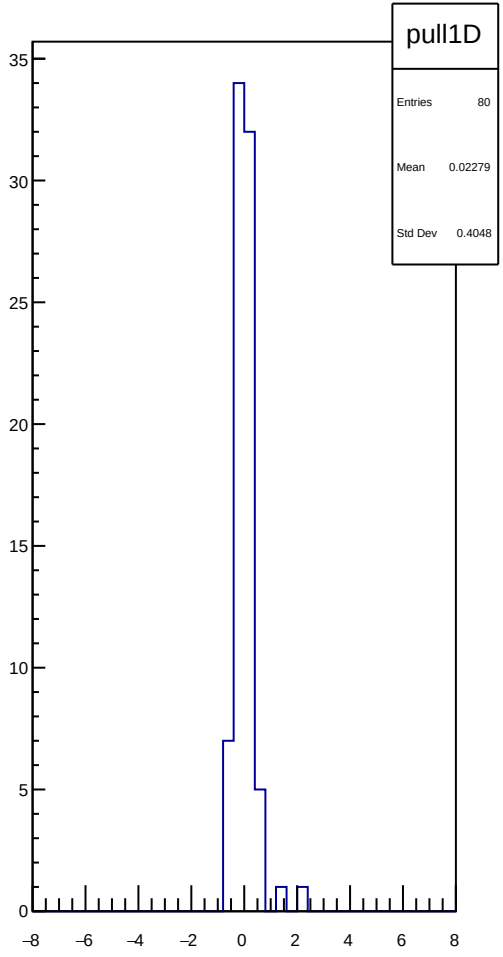
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run

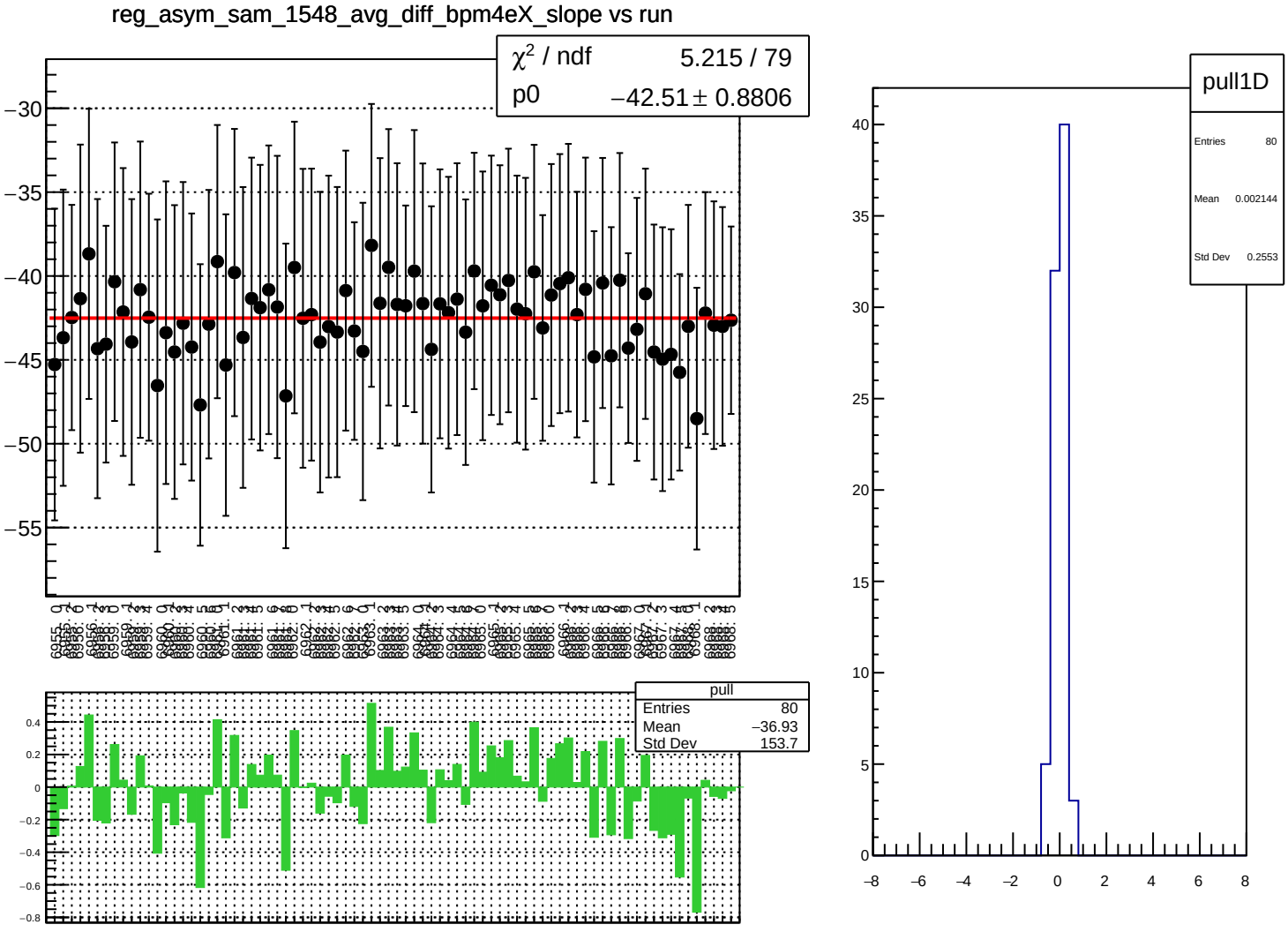


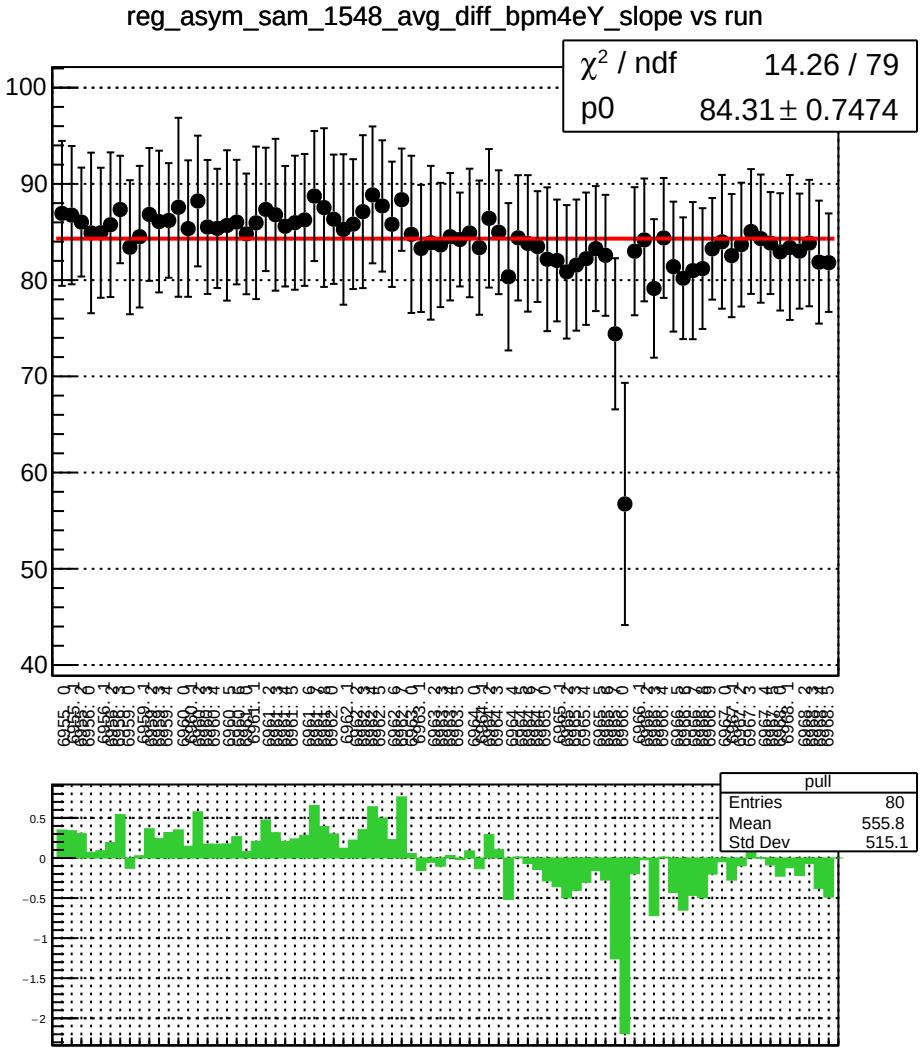


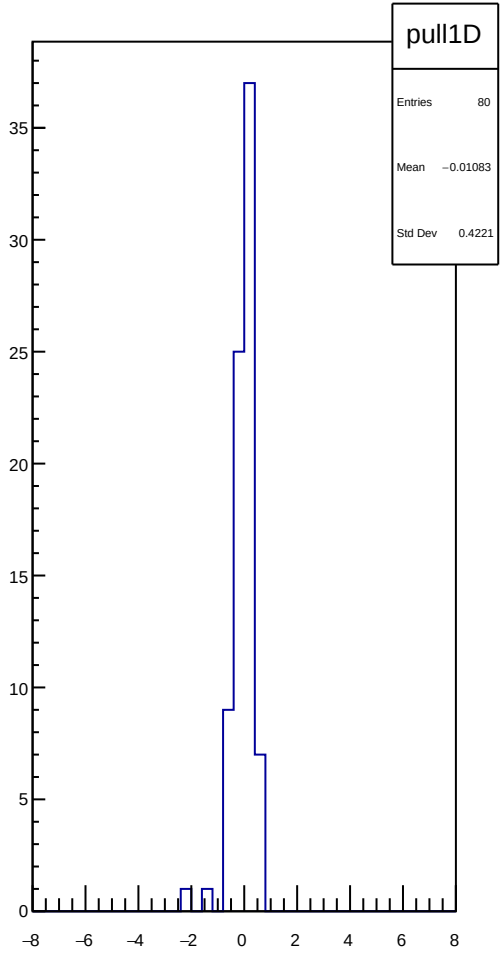
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run

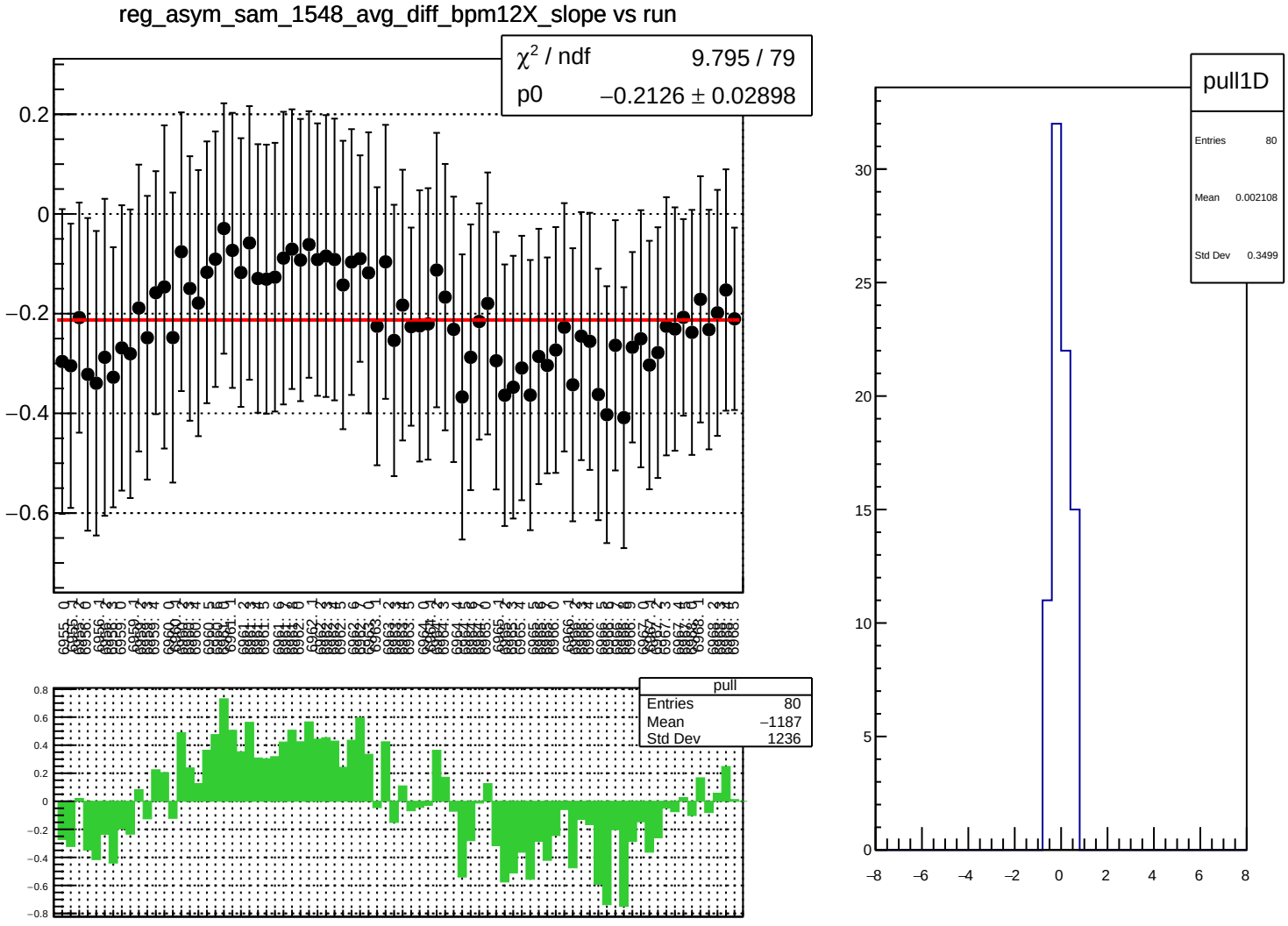


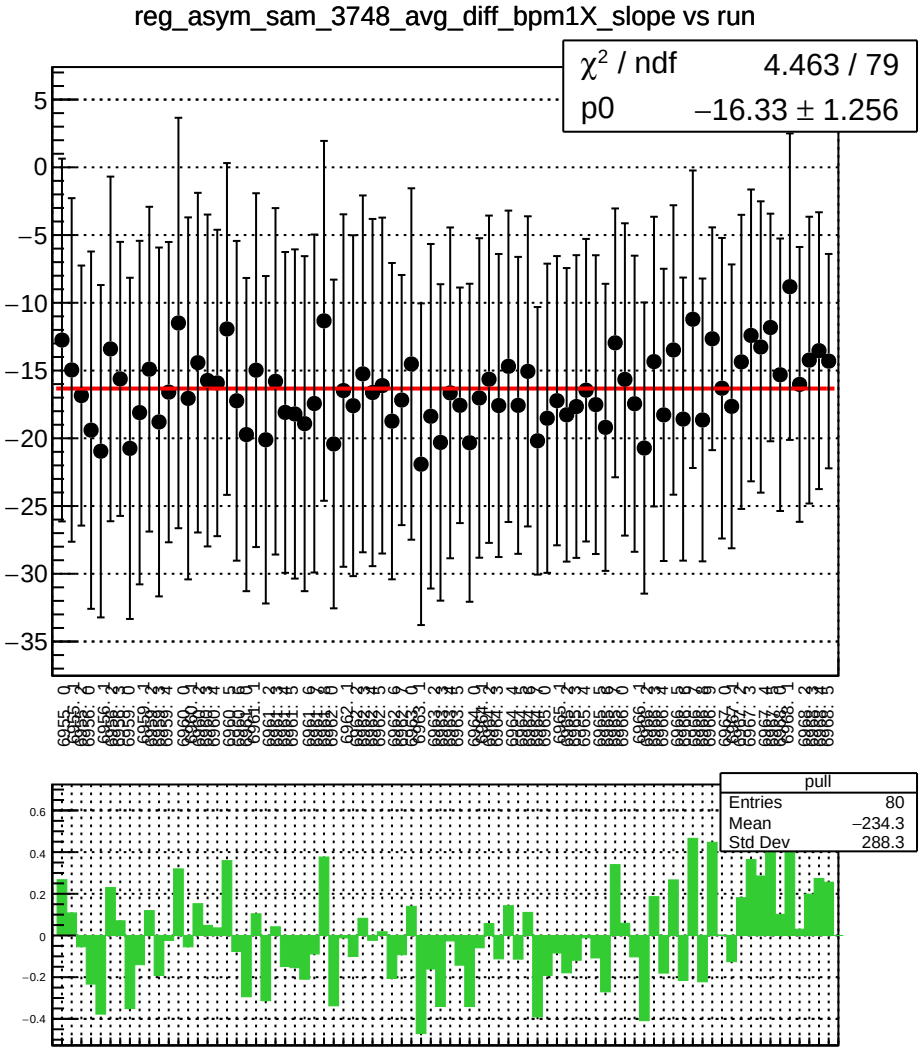


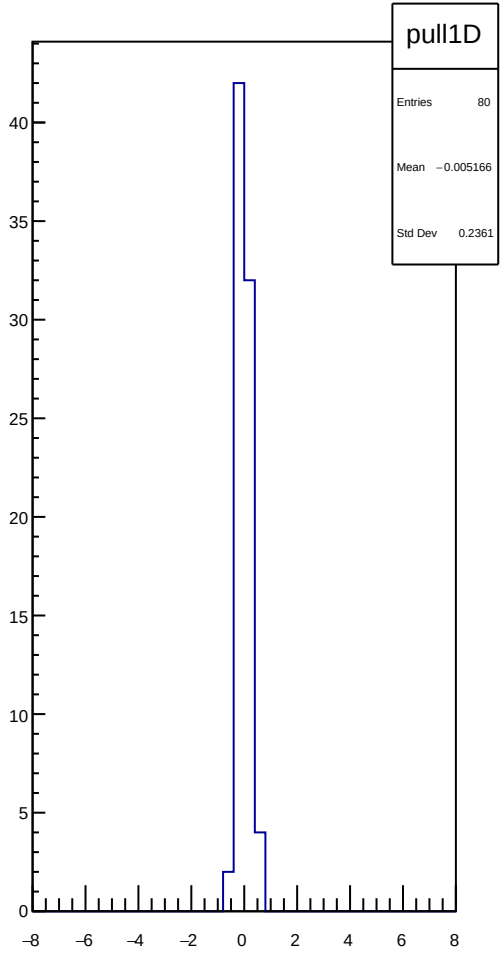

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.215 / 79
p0 −42.51 ± 0.8806
pull
Entries 80
Mean −36.93
Std Dev 153.7
pull1D
Entries 80
Mean 0.002144
Std Dev 0.2553

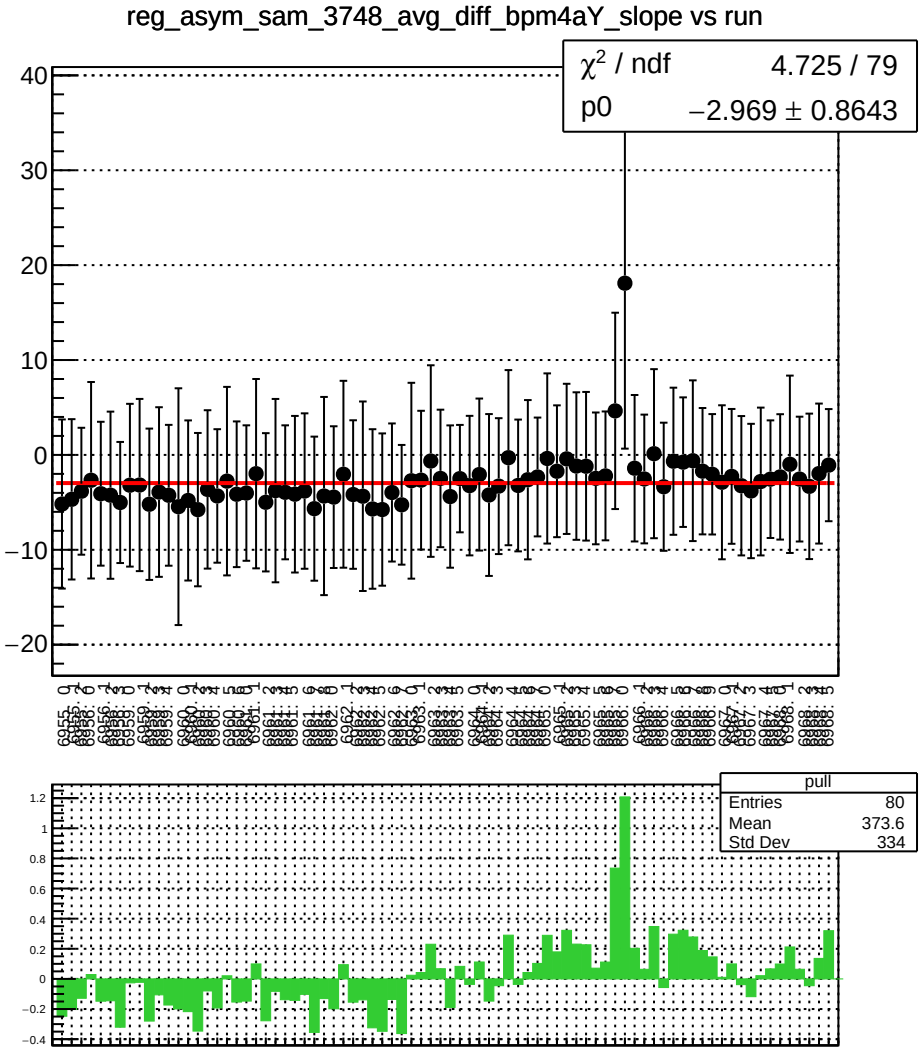

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.26 / 79
p0 84.31 ± 0.7474
pull
Entries 80
Mean 555.8
Std Dev 515.1

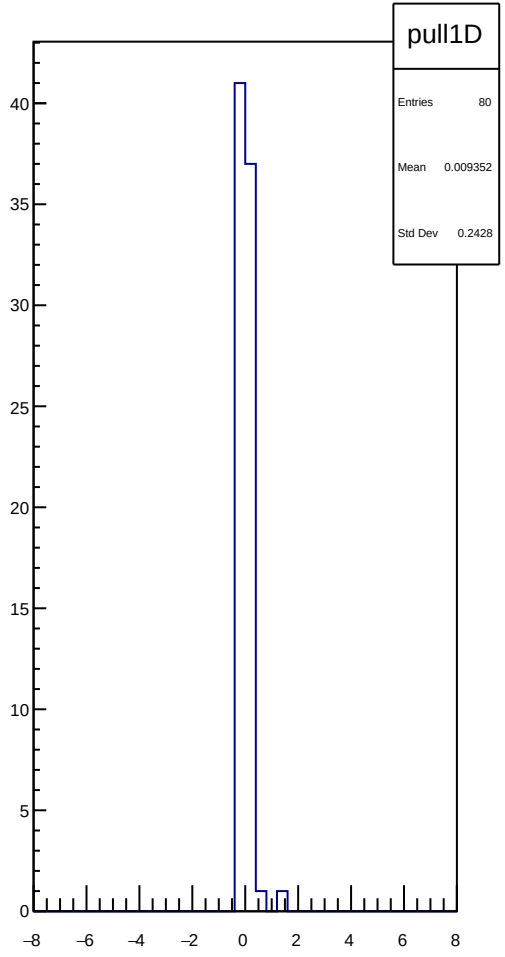

pull1D
Entries 80
Mean −0.01083
Std Dev 0.4221

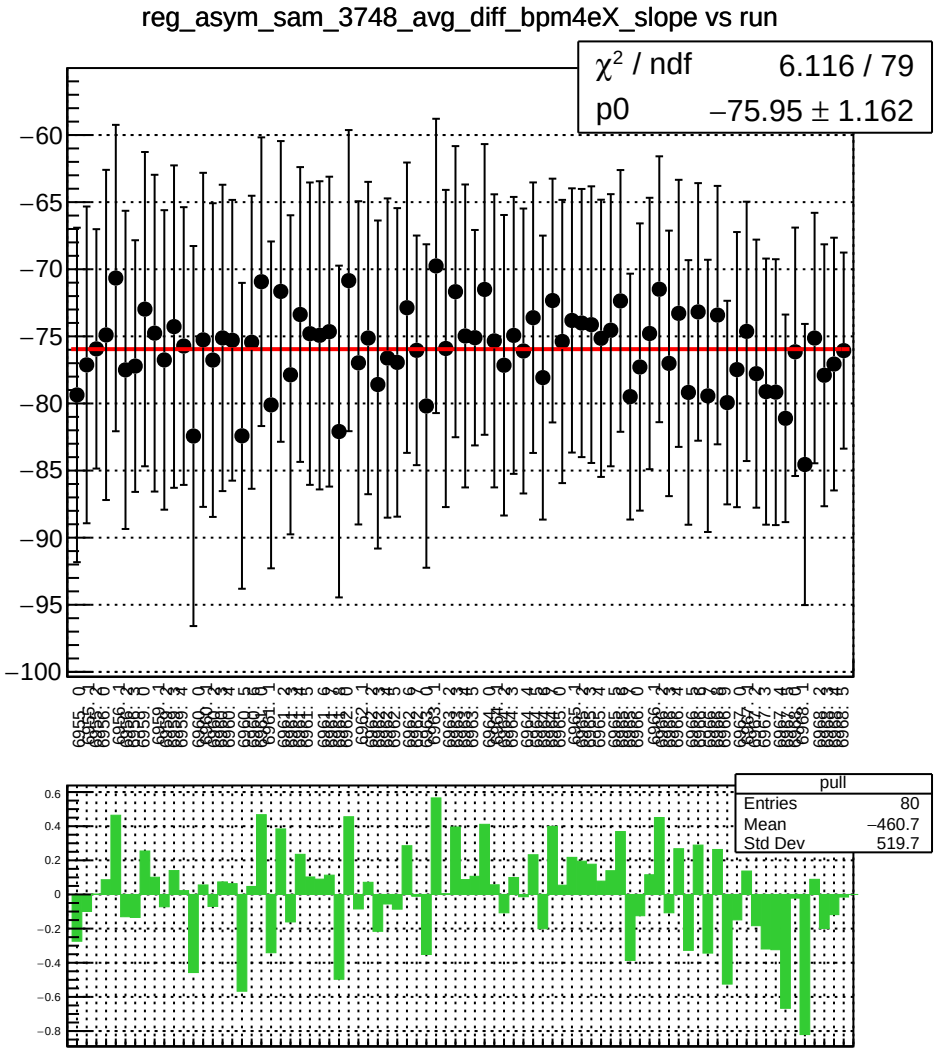

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.795 / 79
p0 −0.2126 ± 0.02898
pull
Entries 80
Mean −1187
Std Dev 1236
pull1D
Entries 80
Mean 0.002108
Std Dev 0.3499

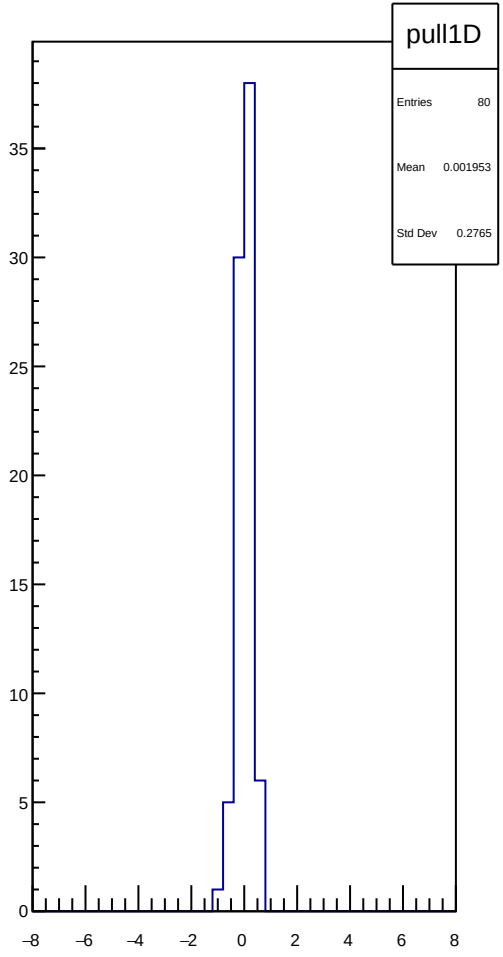

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 4.463 / 79
p0 −16.33 ± 1.256
pull
Entries 80
Mean −234.3
Std Dev 288.3

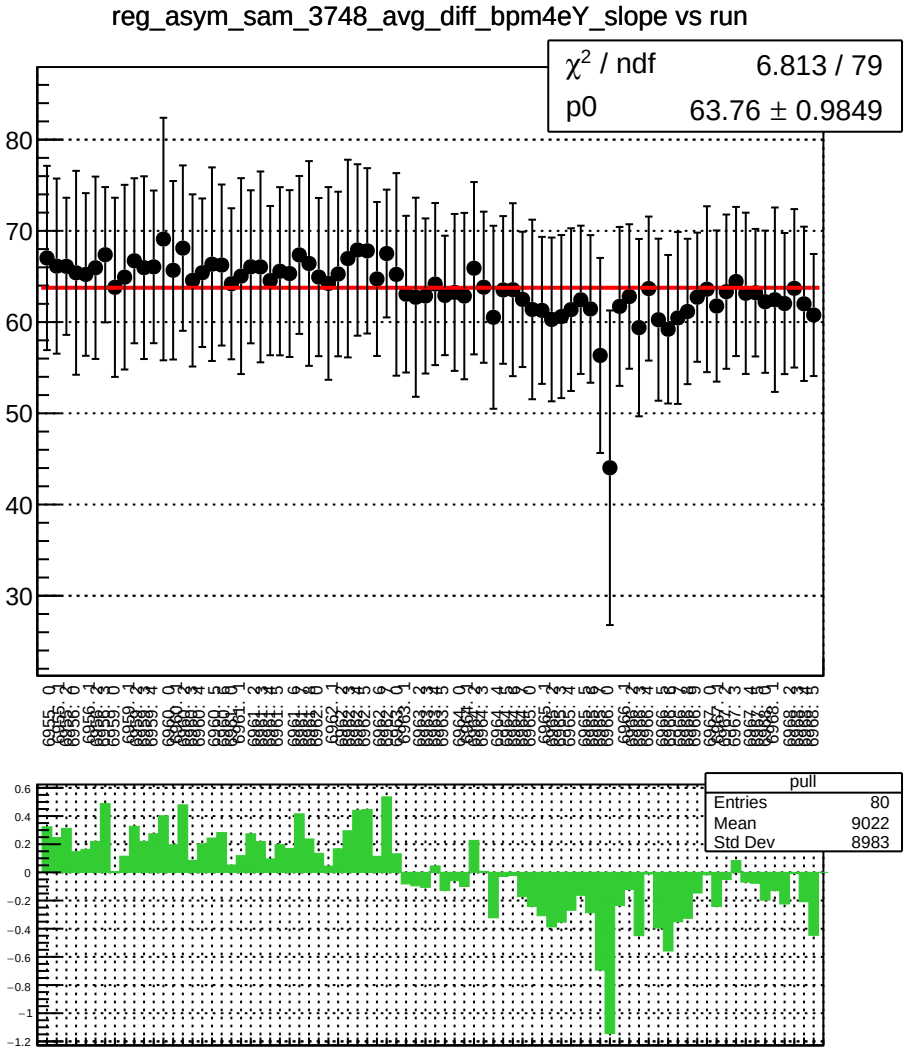

pull1D
Entries 80
Mean −0.005166
Std Dev 0.2361

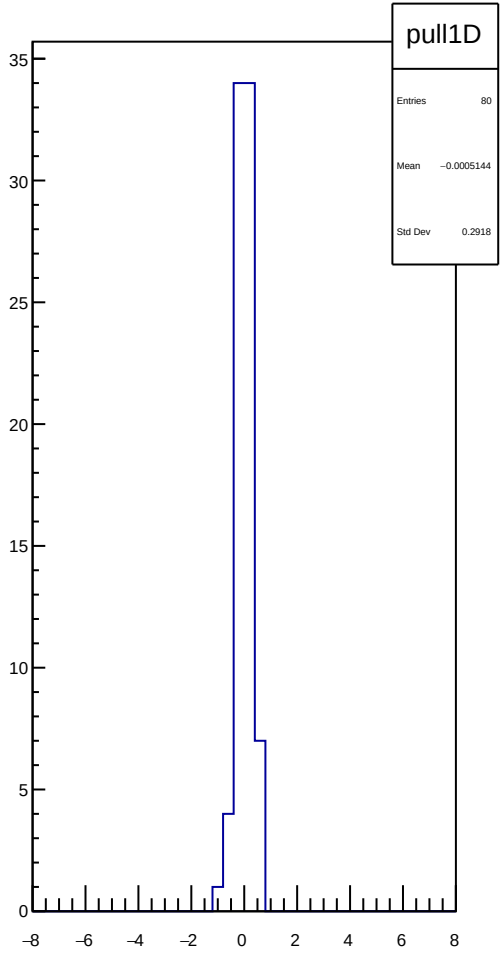

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.725 / 79
p0 −2.969 ± 0.8643
pull
Entries 80
Mean 373.6
Std Dev 334

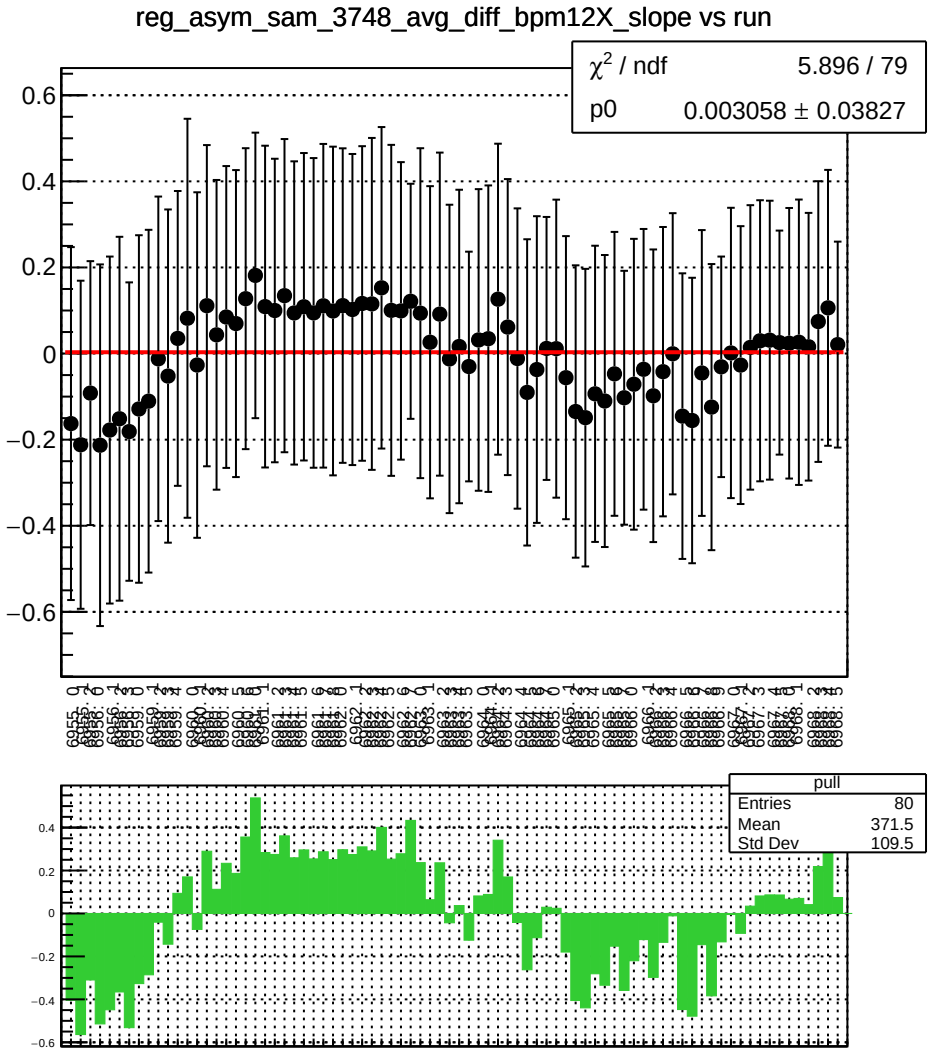

pull1D
Entries 80
Mean 0.009352
Std Dev 0.2428

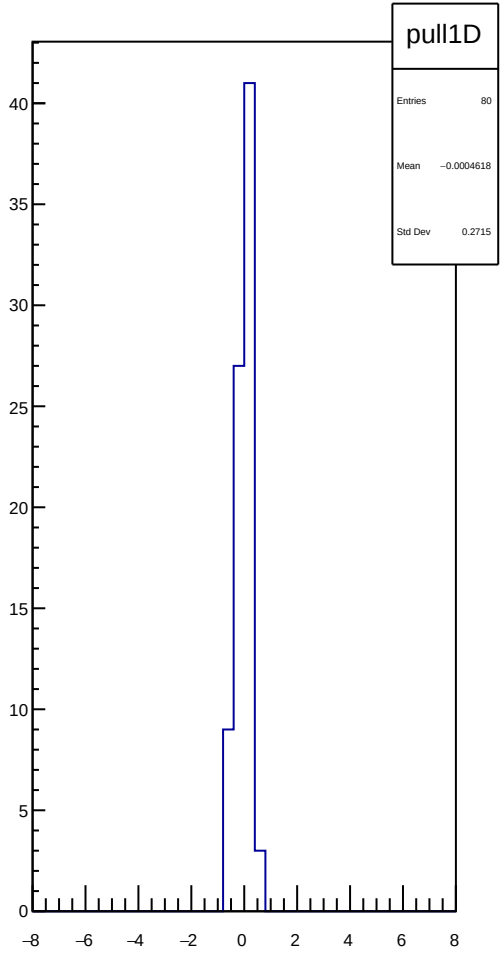

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.116 / 79
p0 −75.95 ± 1.162
pull
Entries 80
Mean −460.7
Std Dev 519.7

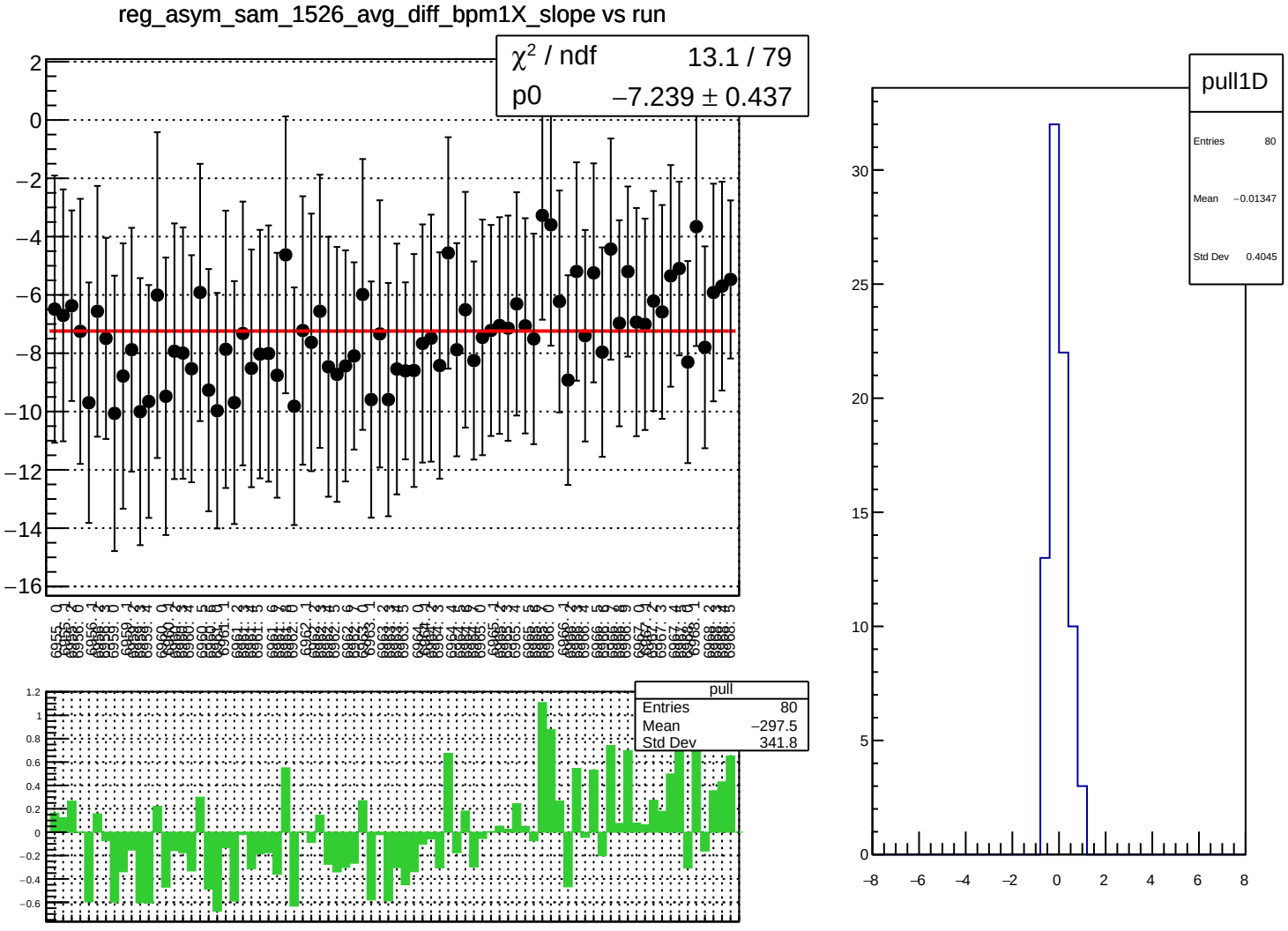

pull1D
Entries 80
Mean 0.001953
Std Dev 0.2765

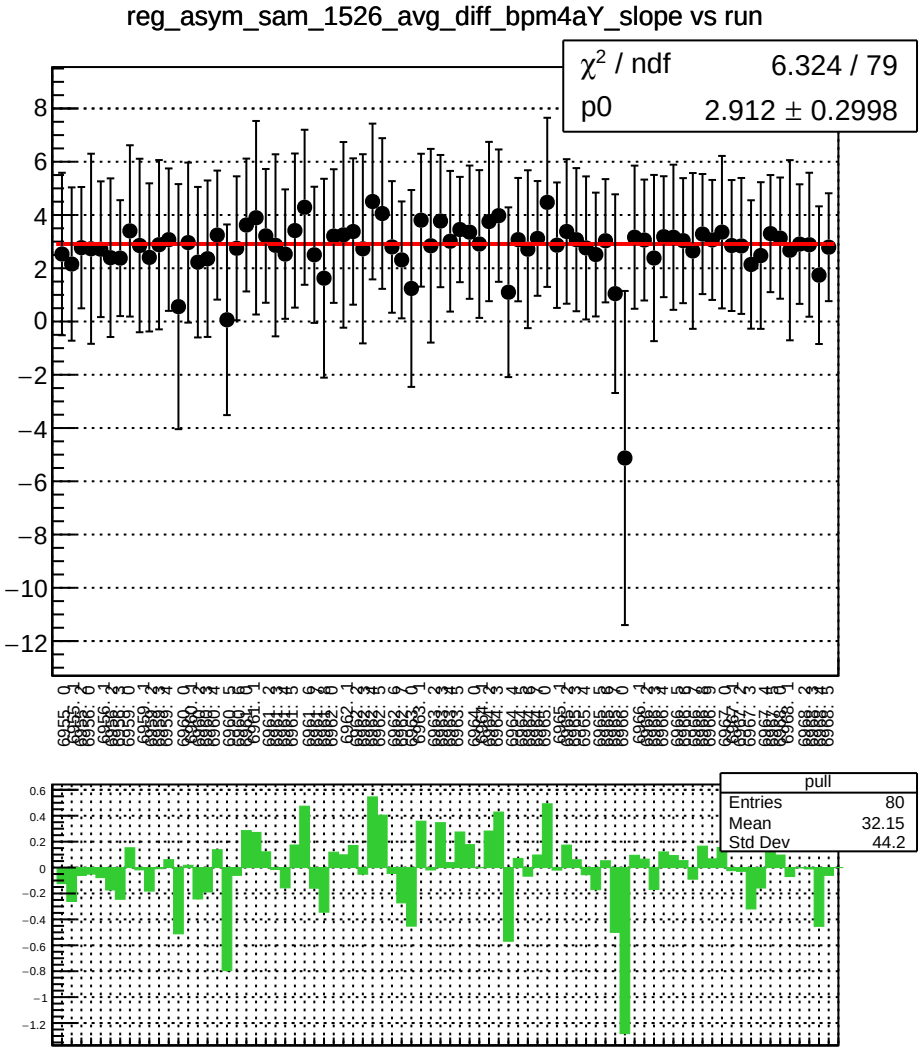

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.813 / 79
p0 63.76 ± 0.9849
pull
Entries 80
Mean 9022
Std Dev 8983

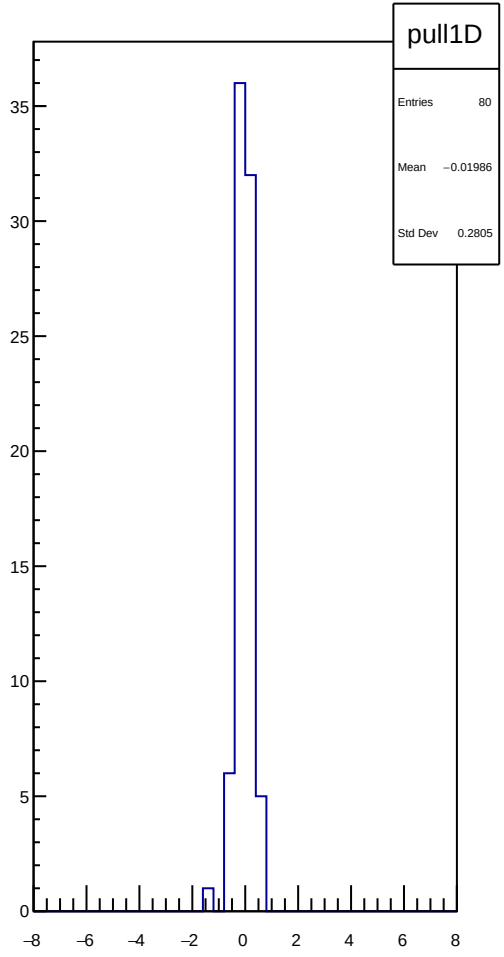

pull1D
Entries 80
Mean −0.0005144
Std Dev 0.2918

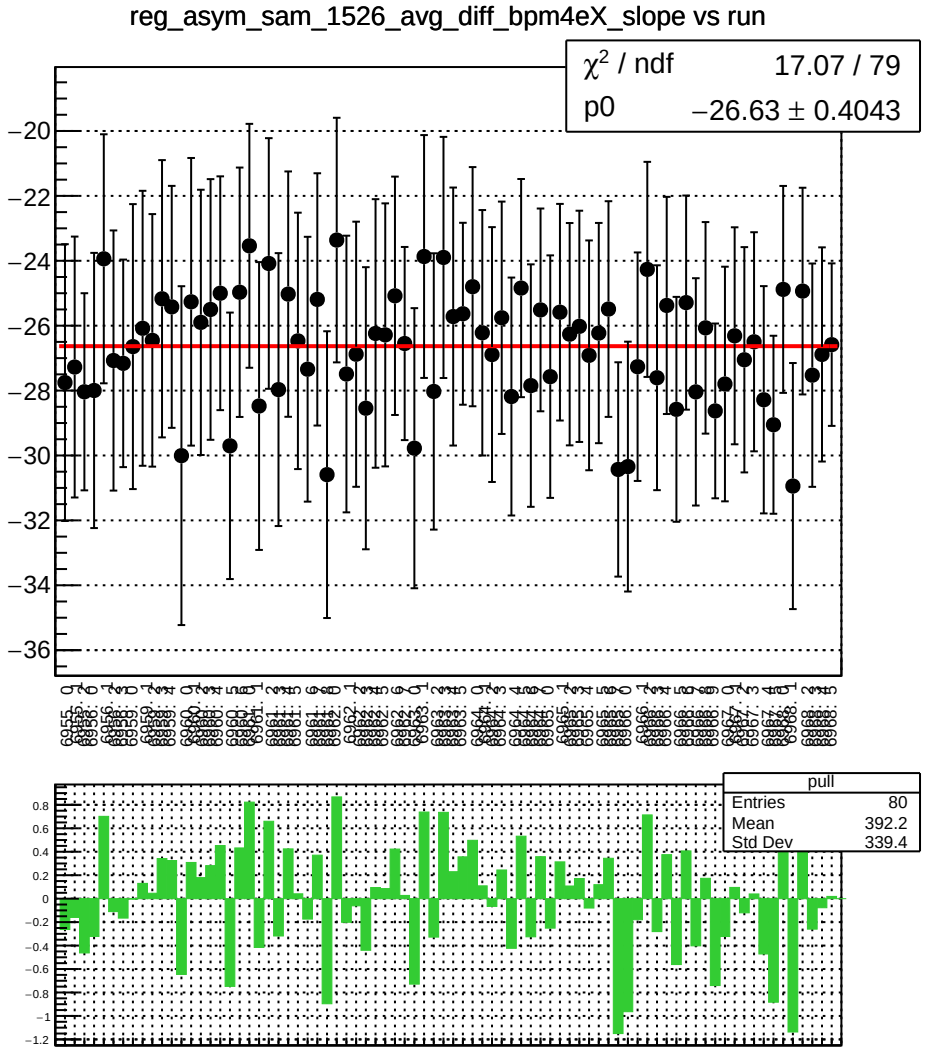

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 5.896 / 79
p0 0.003058 ± 0.03827
pull
Entries 80
Mean 371.5
Std Dev 109.5

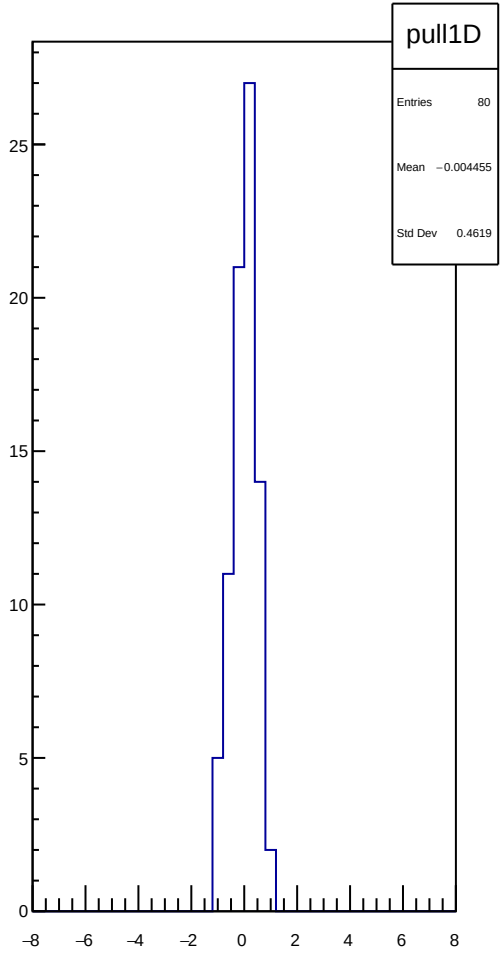

pull1D
Entries 80
Mean −0.0004618
Std Dev 0.2715

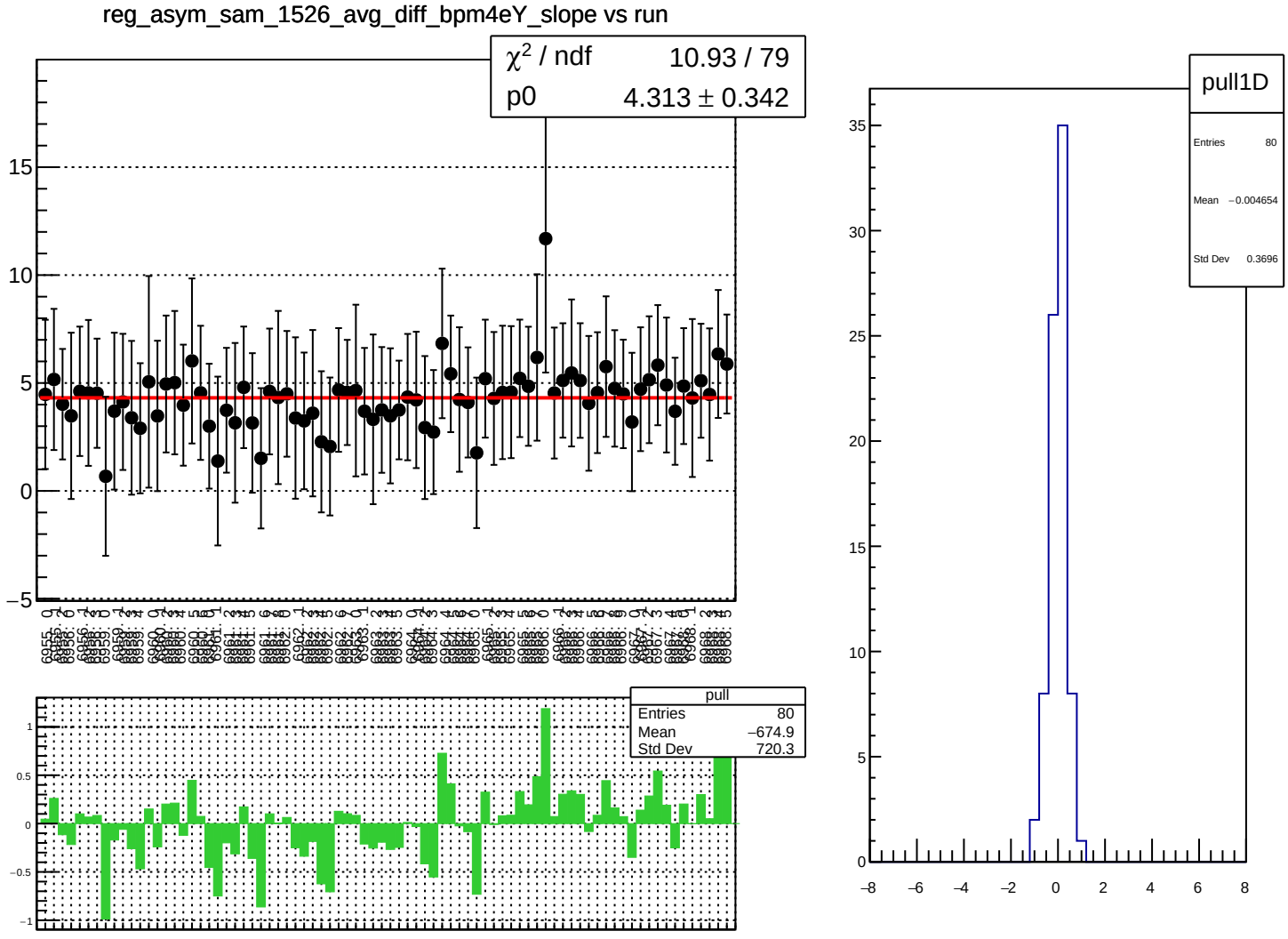

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 13.1 / 79
p0 −7.239 ± 0.437
pull
Entries 80
Mean −297.5
Std Dev 341.8
pull1D
Entries 80
Mean −0.01347
Std Dev 0.4045

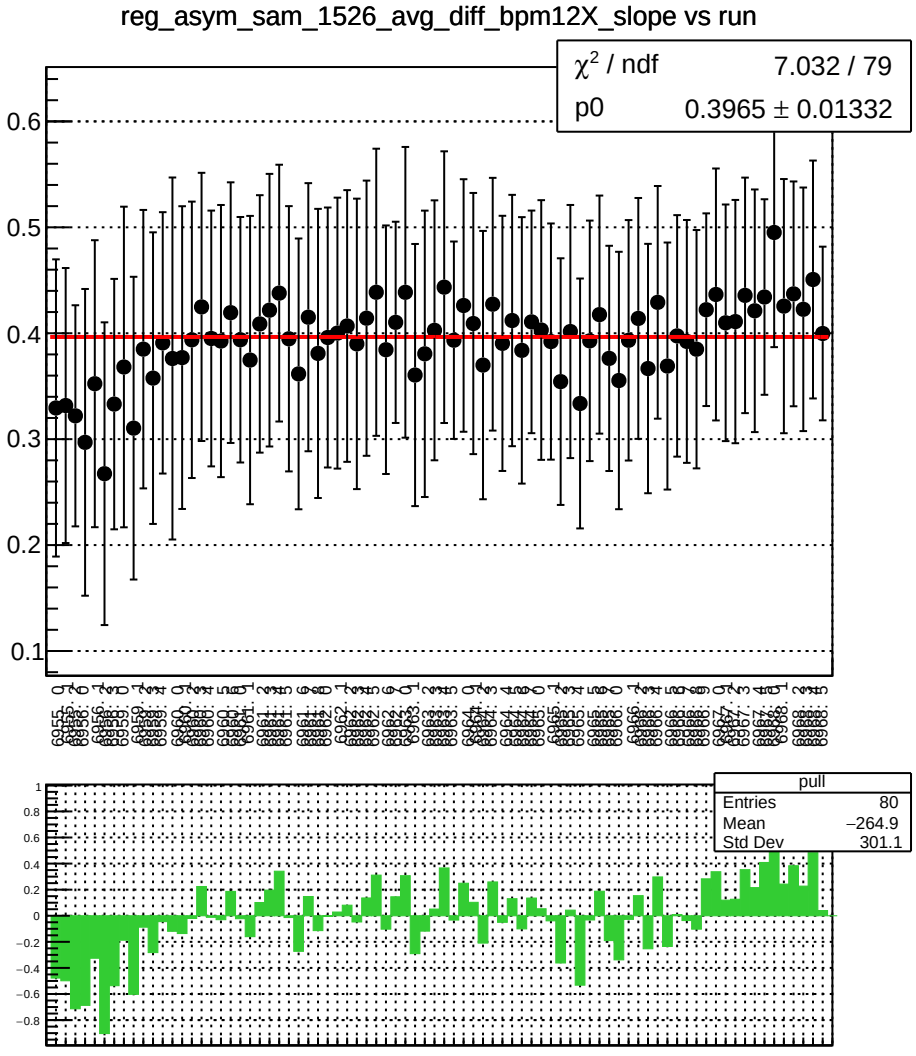

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.324 / 79
p0 2.912 ± 0.2998
pull
Entries 80
Mean 32.15
Std Dev 44.2

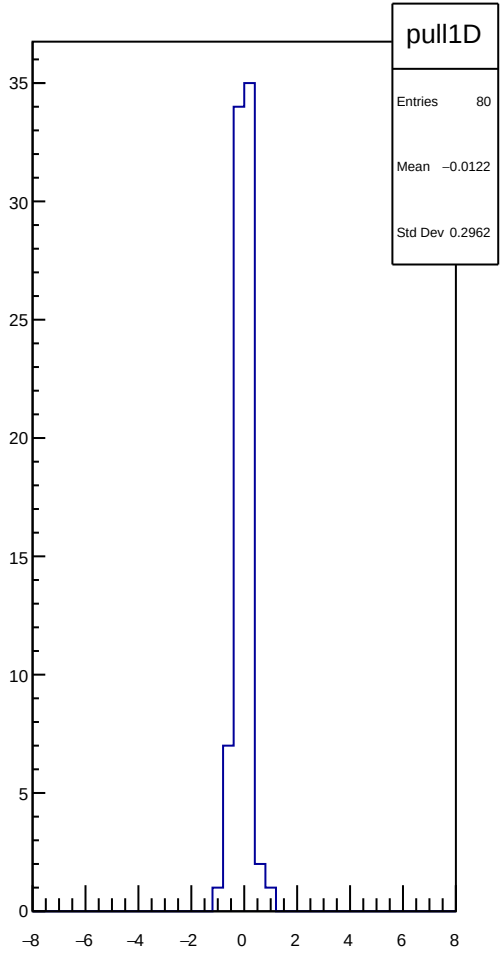

pull1D
Entries 80
Mean −0.01986
Std Dev 0.2805

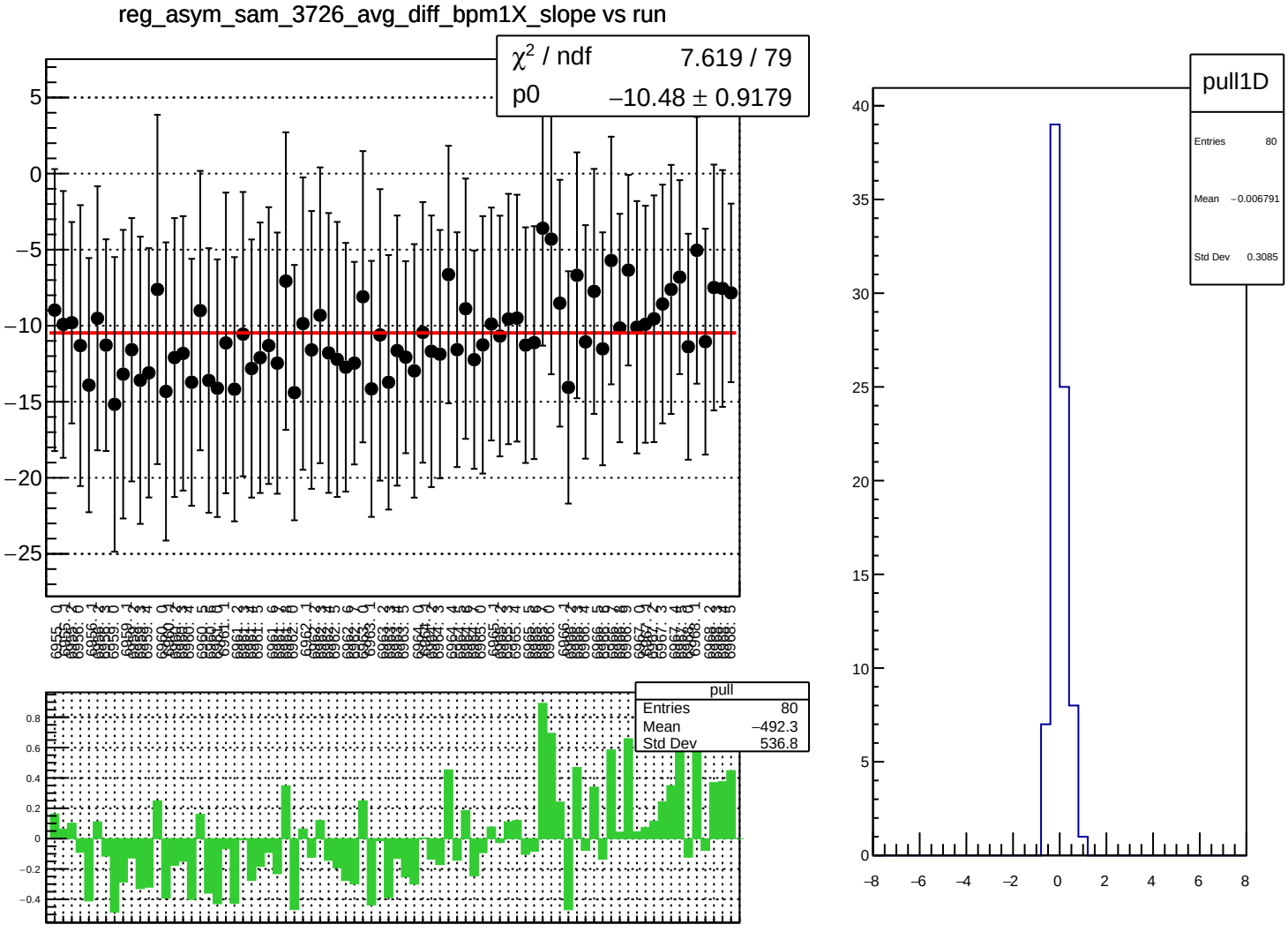

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 17.07 / 79
p0 −26.63 ± 0.4043
pull
Entries 80
Mean 392.2
Std Dev 339.4

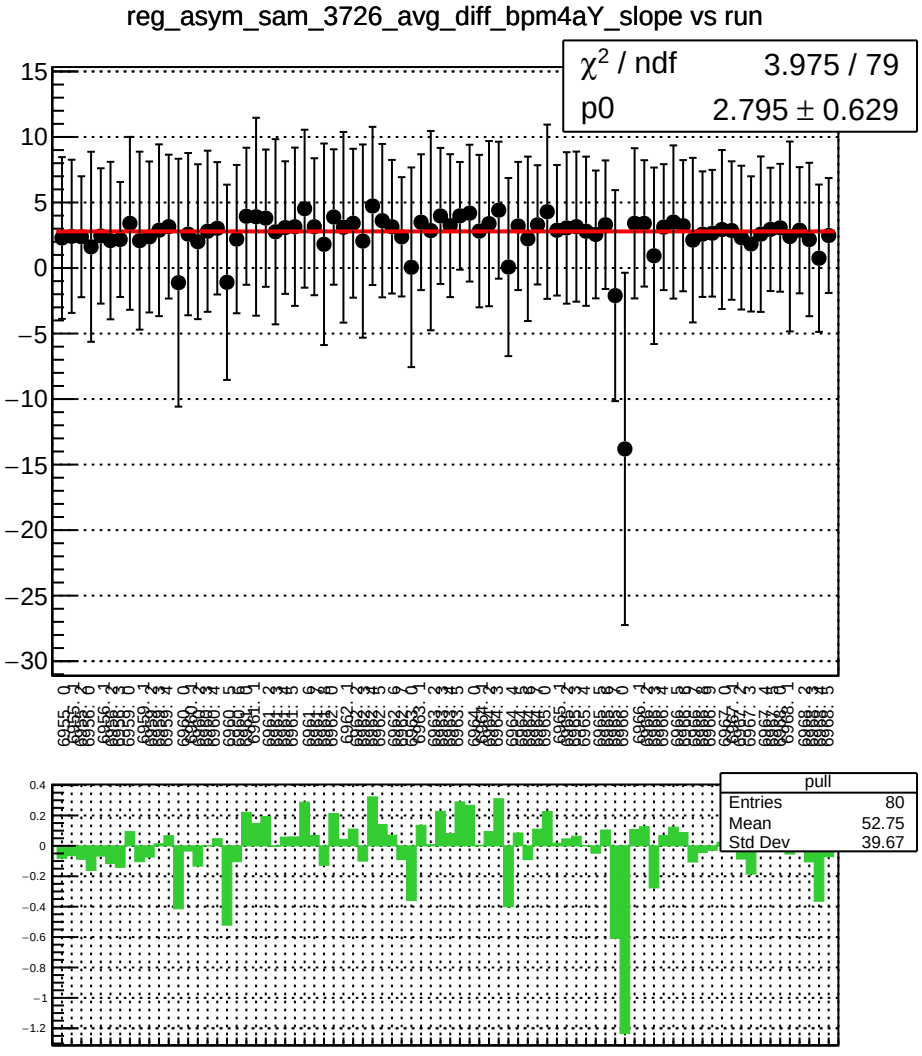

pull1D
Entries 80
Mean −0.004455
Std Dev 0.4619

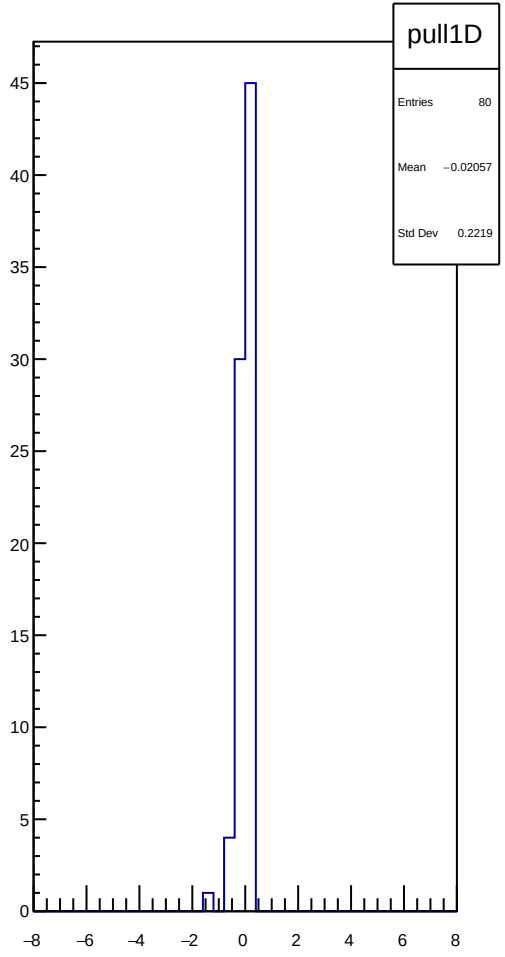

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.93 / 79
p0 4.313 ± 0.342
pull
Entries 80
Mean −674.9
Std Dev 720.3
pull1D
Entries 80
Mean −0.004654
Std Dev 0.3696

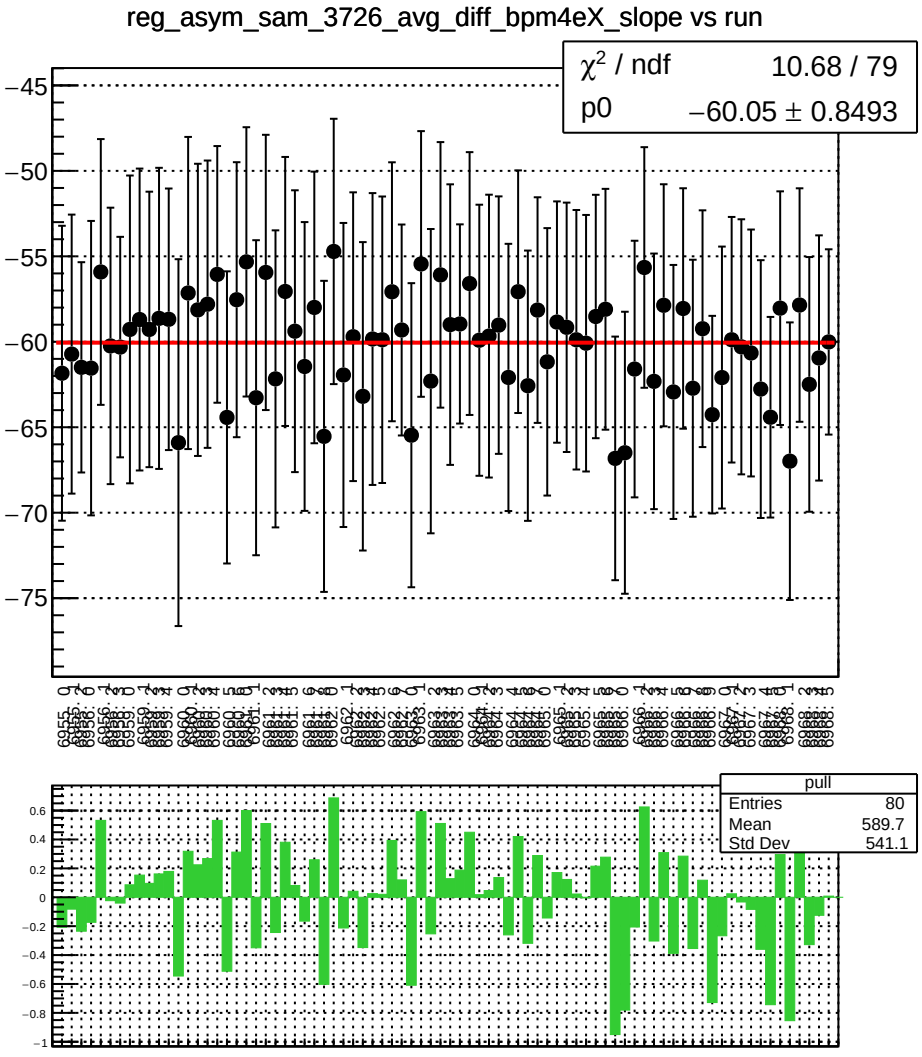

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7.032 / 79
p0 0.3965 ± 0.01332
pull
Entries 80
Mean −264.9
Std Dev 301.1

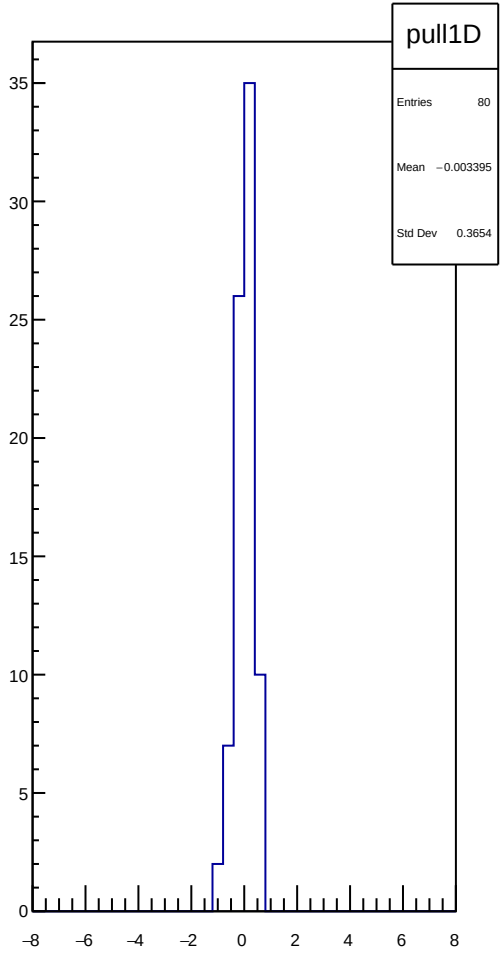

pull1D
Entries 80
Mean −0.0122
Std Dev 0.2962

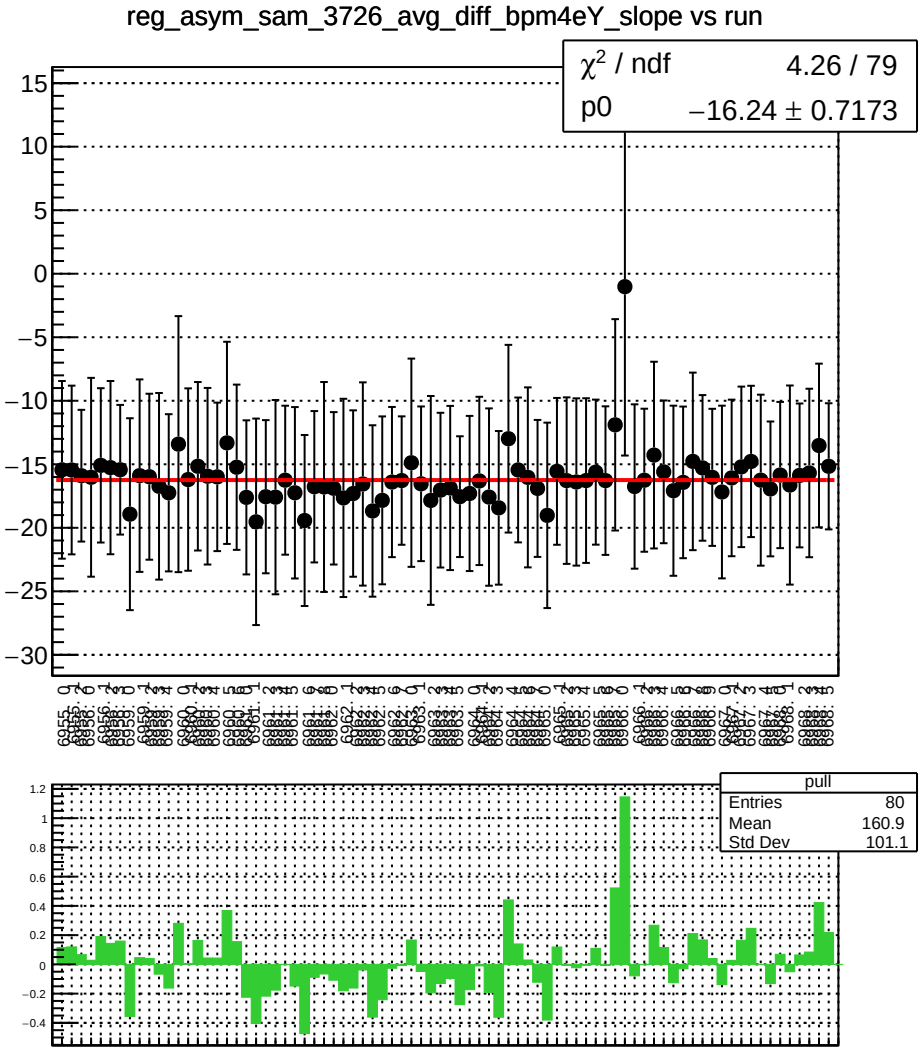

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 7.619 / 79
p0 −10.48 ± 0.9179
pull
Entries 80
Mean −492.3
Std Dev 536.8
pull1D
Entries 80
Mean −0.006791
Std Dev 0.3085

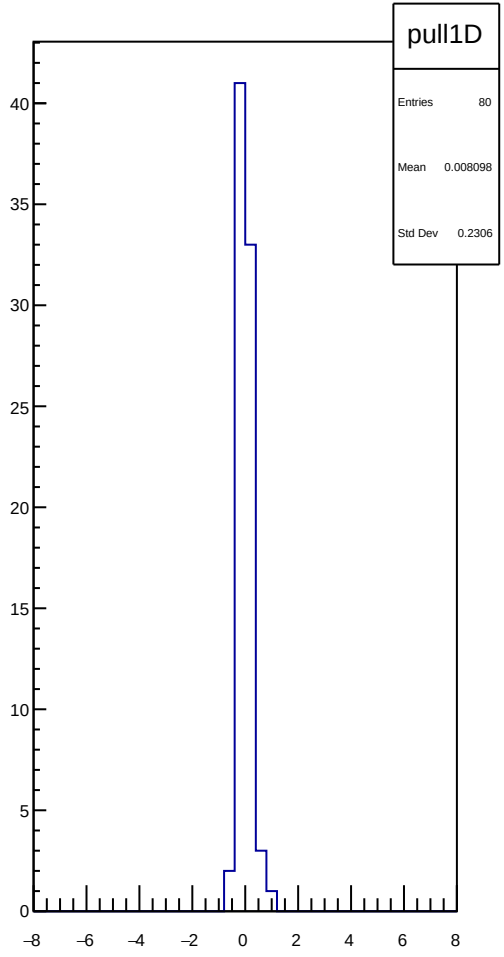

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.975 / 79
p0 2.795 ± 0.629
pull
Entries 80
Mean 52.75
Std Dev 39.67

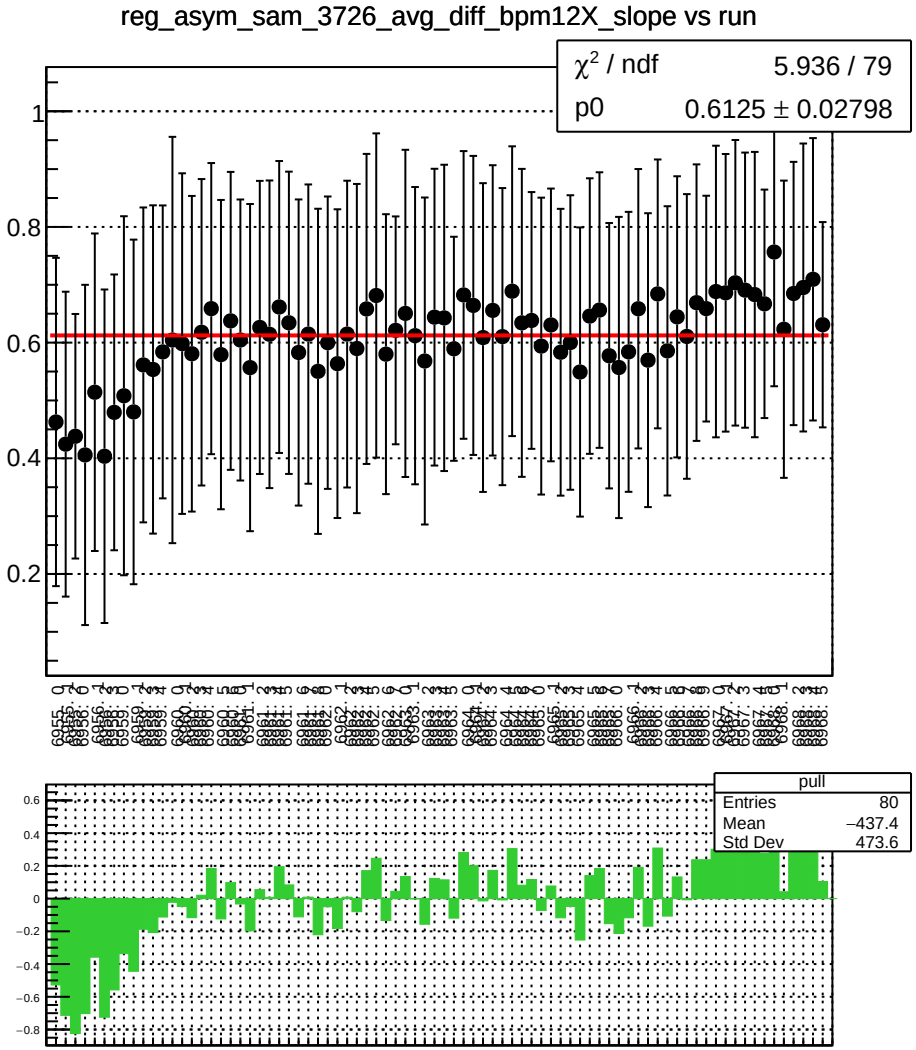

pull1D
Entries 80
Mean −0.02057
Std Dev 0.2219

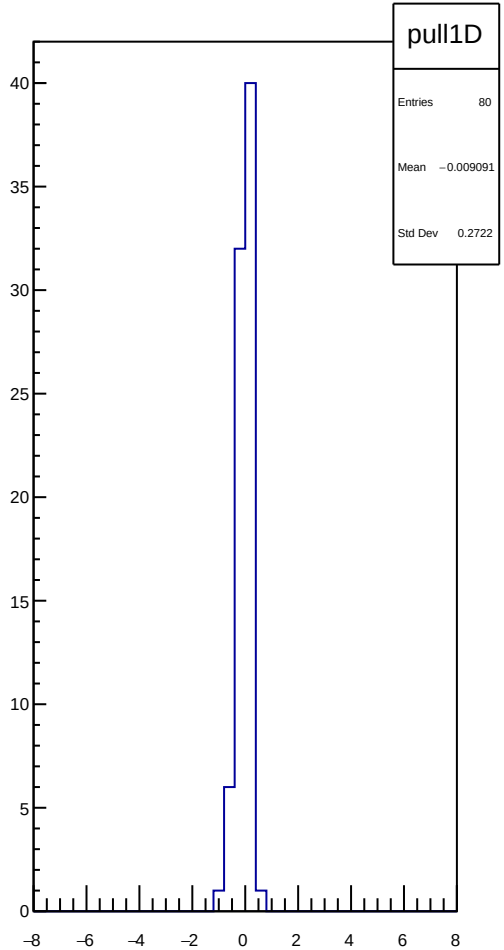

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.68 / 79
p0 −60.05 ± 0.8493
pull
Entries 80
Mean 589.7
Std Dev 541.1

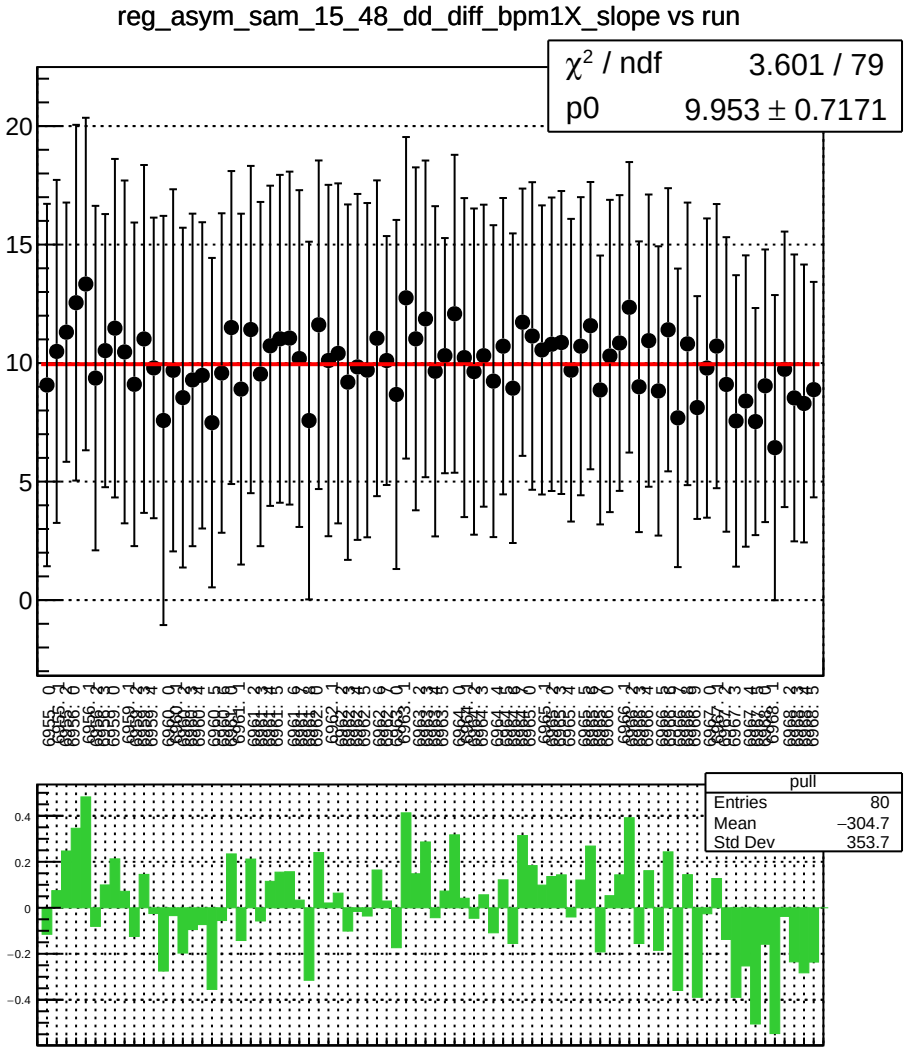

pull1D
Entries 80
Mean −0.003395
Std Dev 0.3654

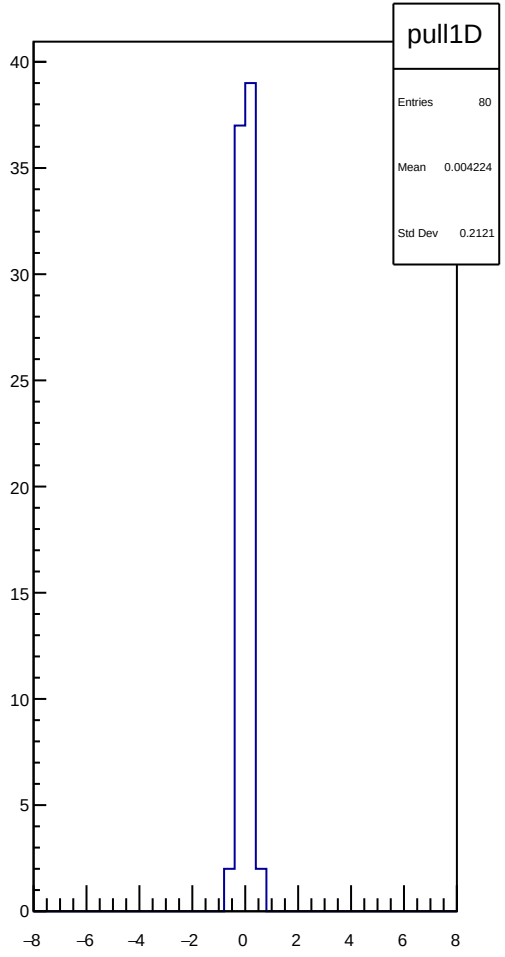

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.26 / 79
p0 −16.24 ± 0.7173
pull
Entries 80
Mean 160.9
Std Dev 101.1

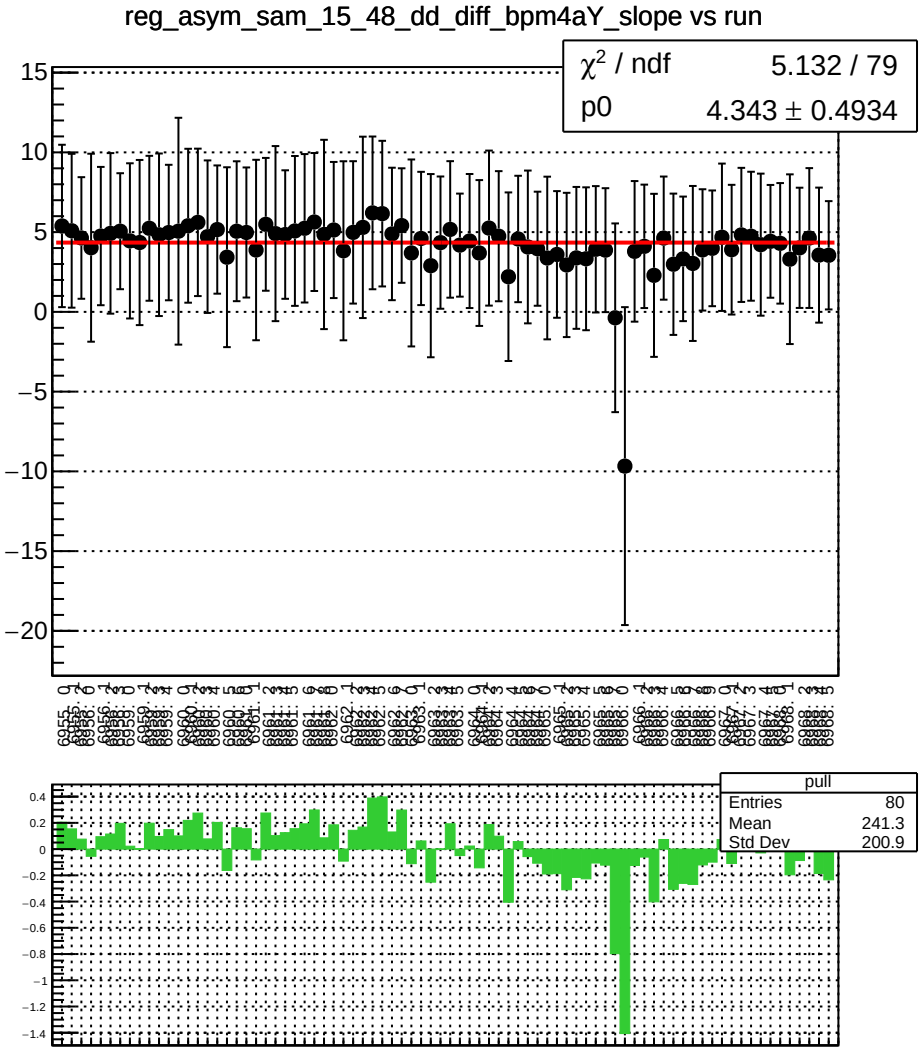

pull1D
Entries 80
Mean 0.008098
Std Dev 0.2306

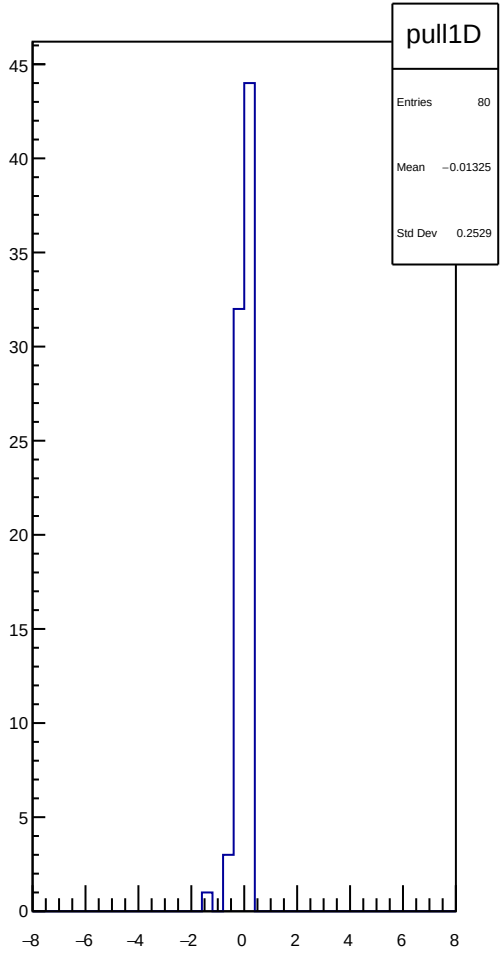

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.936 / 79
p0 0.6125 ± 0.02798
pull
Entries 80
Mean −437.4
Std Dev 473.6

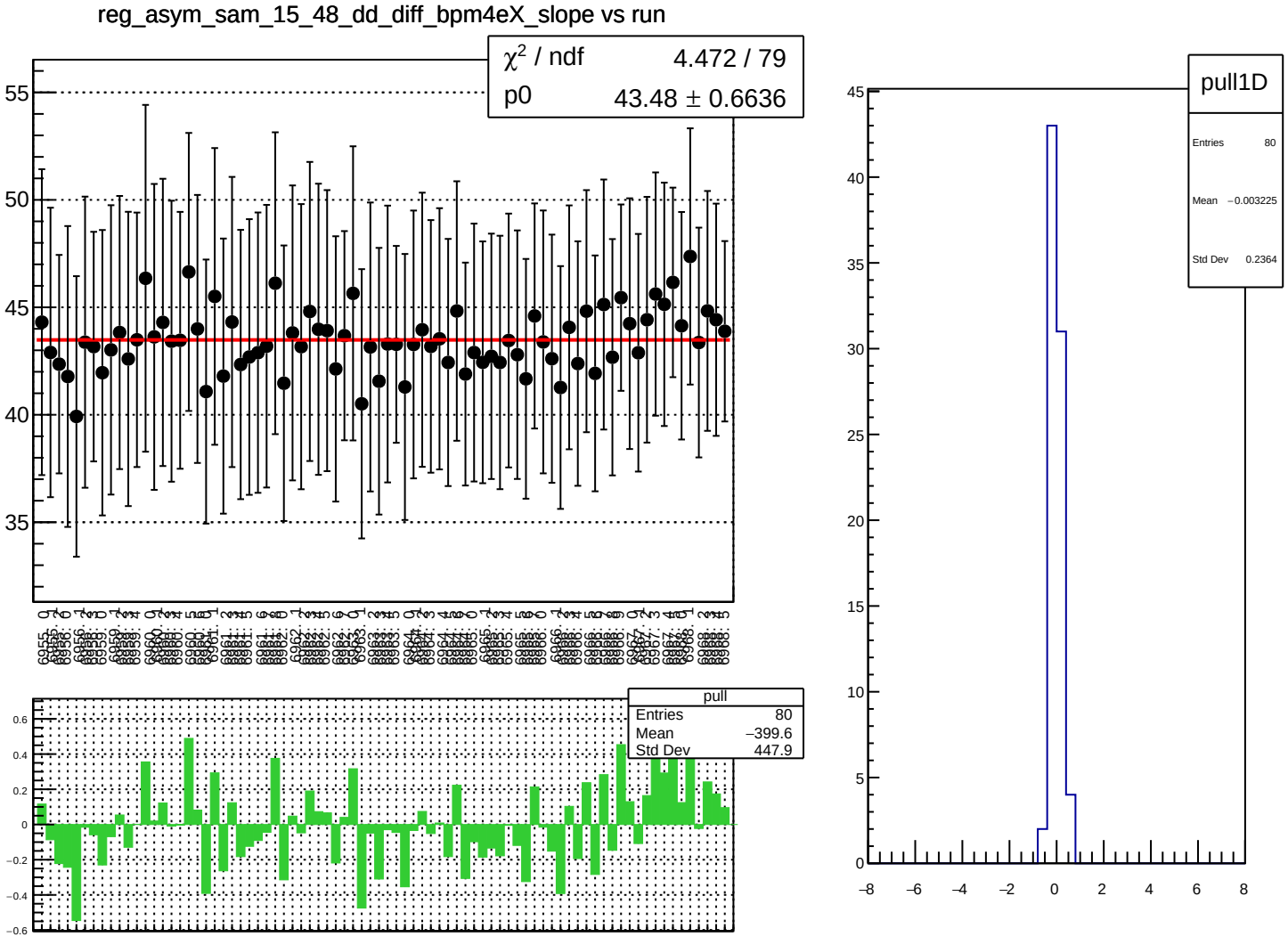

pull1D
Entries 80
Mean −0.009091
Std Dev 0.2722

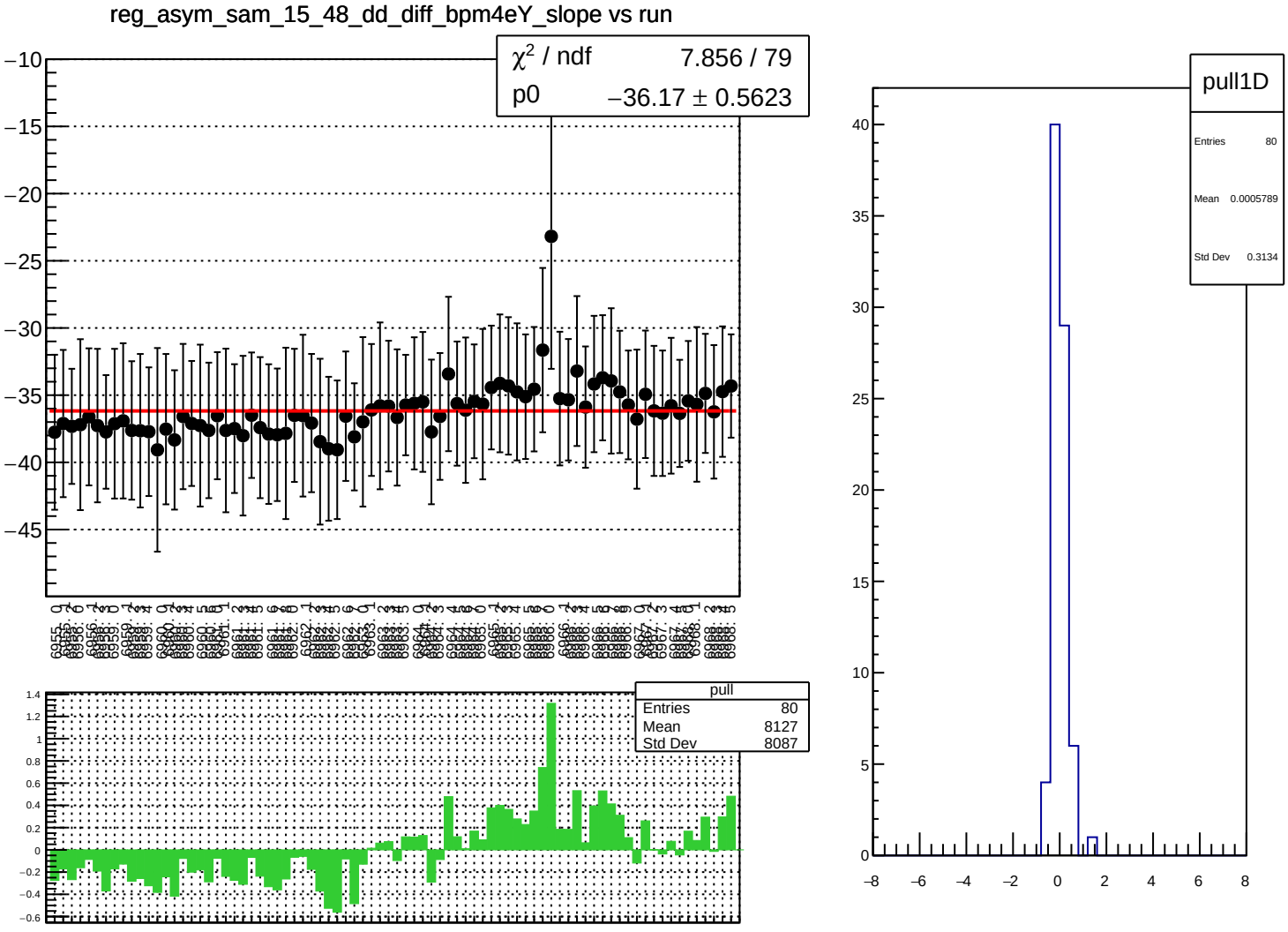

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.601 / 79
p0 9.953 ± 0.7171
pull
Entries 80
Mean −304.7
Std Dev 353.7

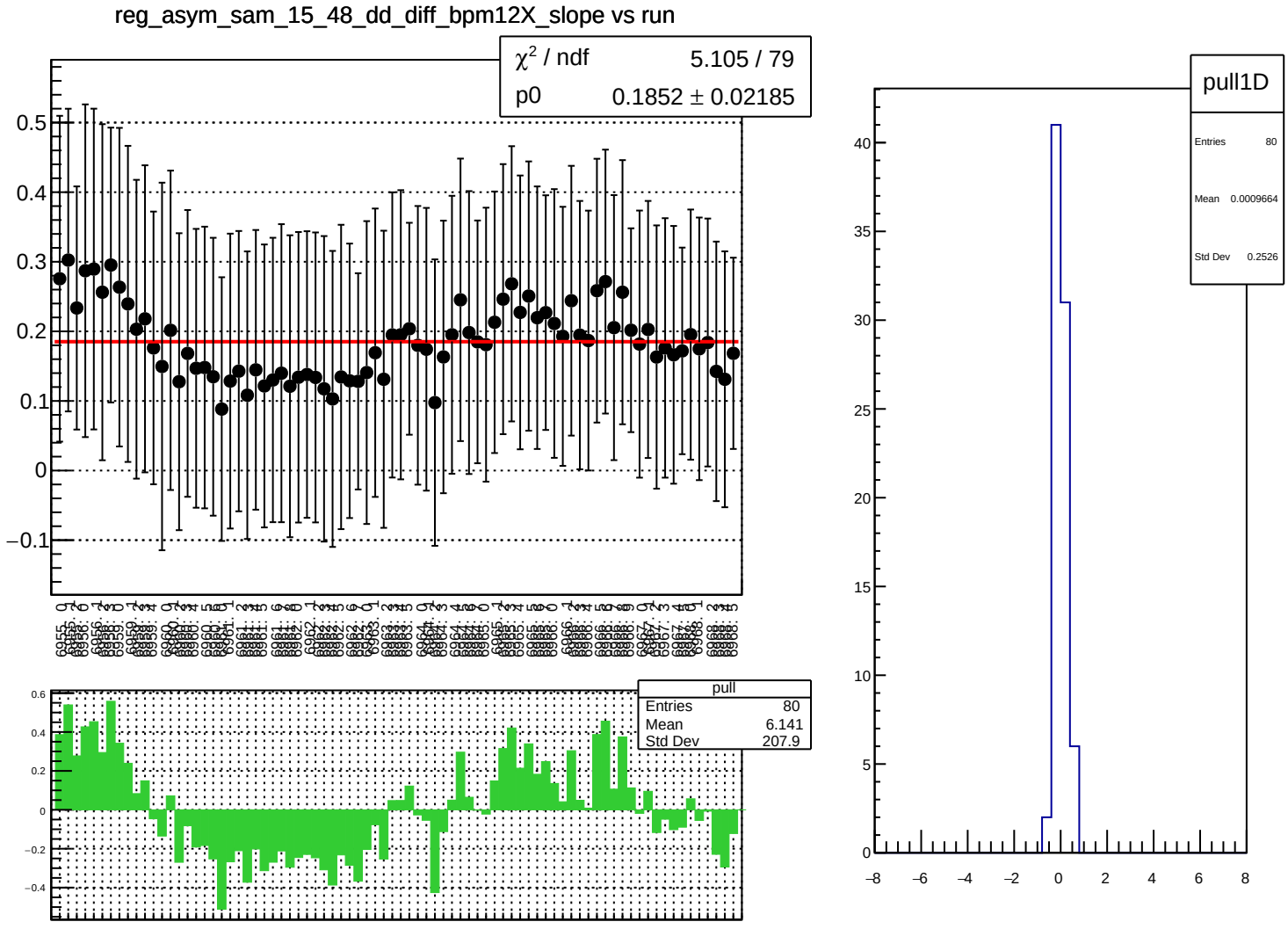

pull1D
Entries 80
Mean 0.004224
Std Dev 0.2121

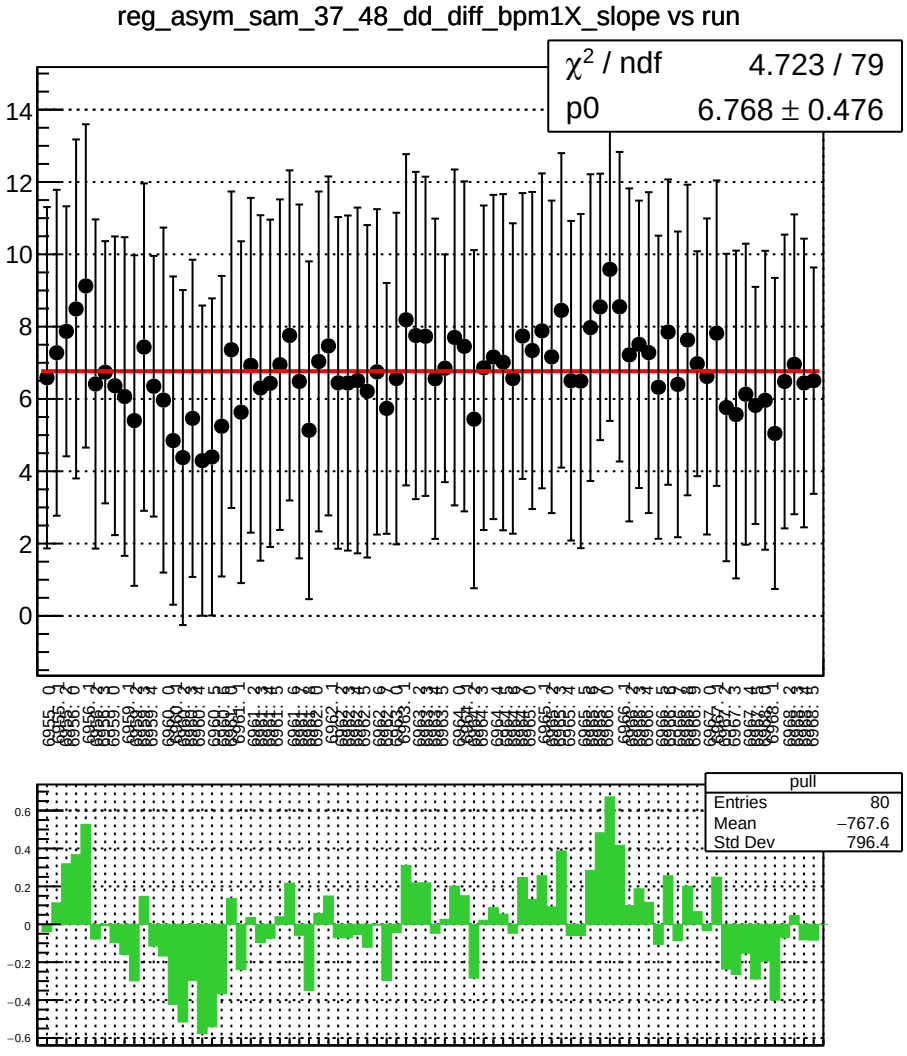

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.132 / 79
p0 4.343 ± 0.4934
pull
Entries 80
Mean 241.3
Std Dev 200.9

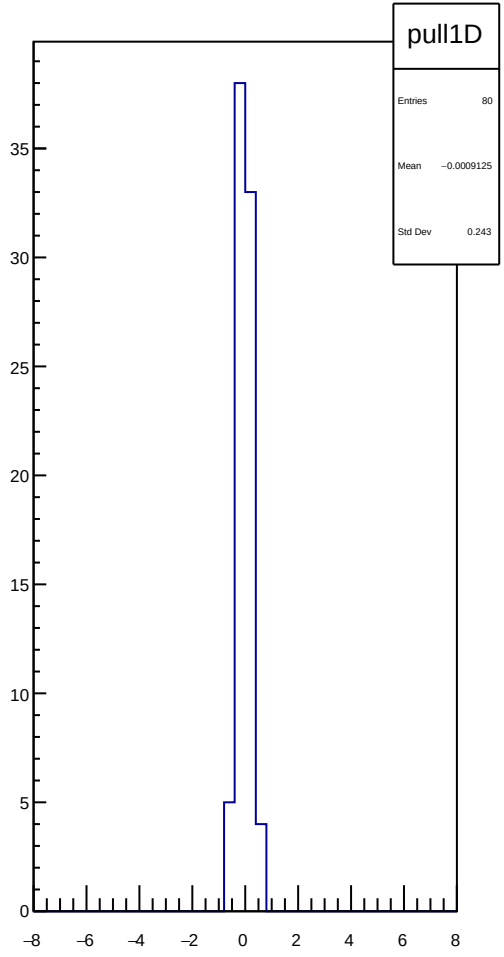

pull1D
Entries 80
Mean −0.01325
Std Dev 0.2529

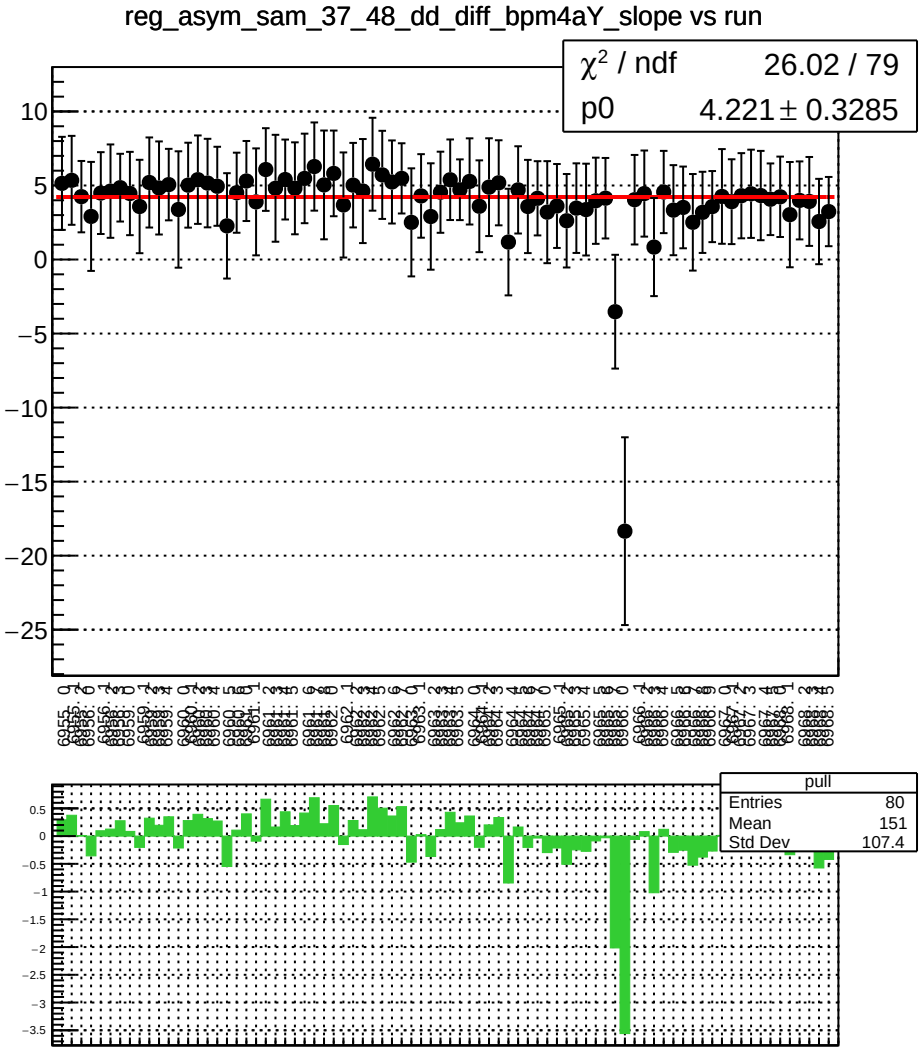

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.472 / 79
p0 43.48 ± 0.6636
pull
Entries 80
Mean −399.6
Std Dev 447.9
pull1D
Entries 80
Mean −0.003225
Std Dev 0.2364

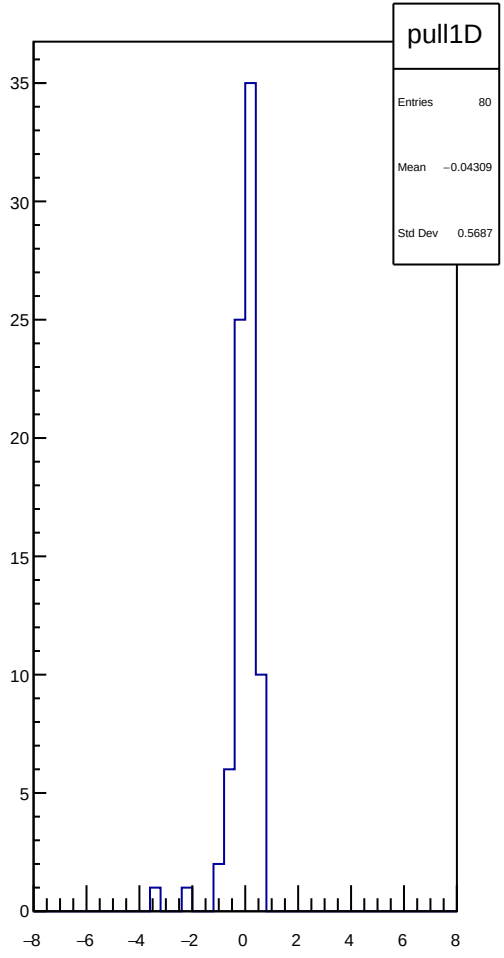

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.856 / 79
p0 −36.17 ± 0.5623
pull
Entries 80
Mean 8127
Std Dev 8087
pull1D
Entries 80
Mean 0.0005789
Std Dev 0.3134

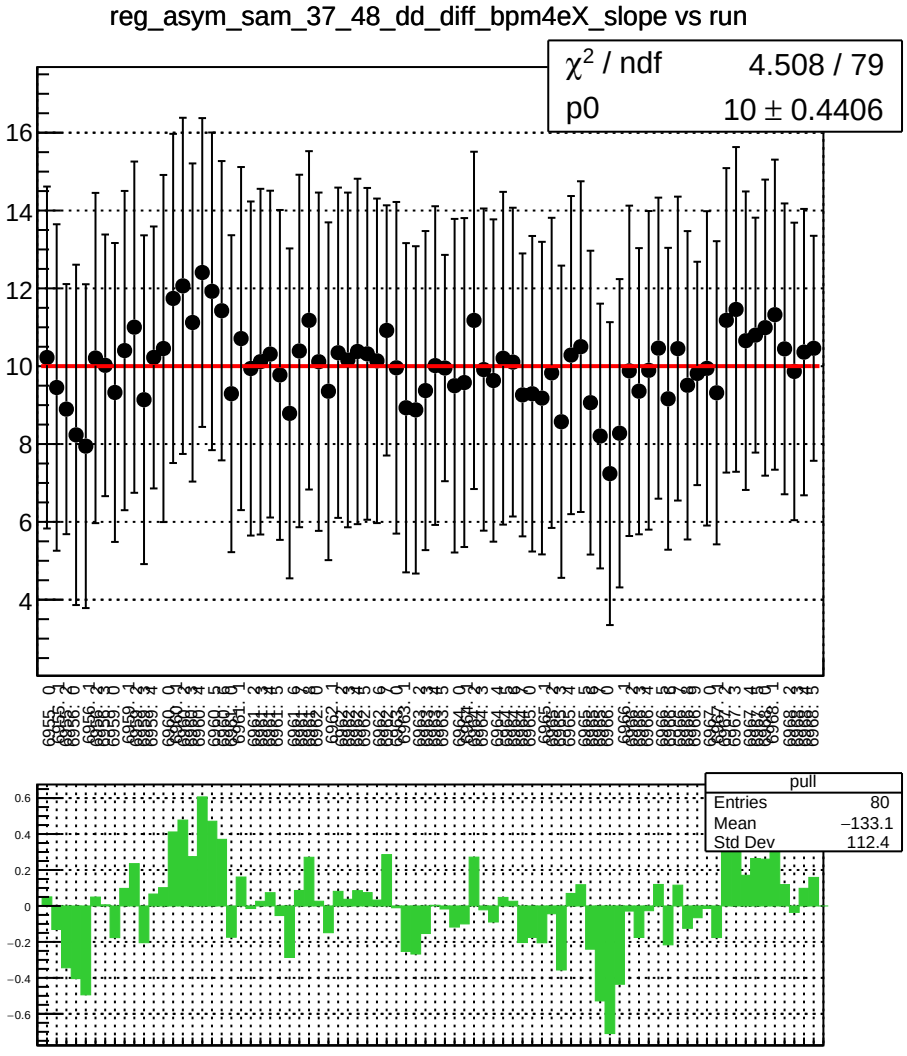

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.105 / 79
p0 0.1852 ± 0.02185
pull
Entries 80
Mean 6.141
Std Dev 207.9
pull1D
Entries 80
Mean 0.0009664
Std Dev 0.2526

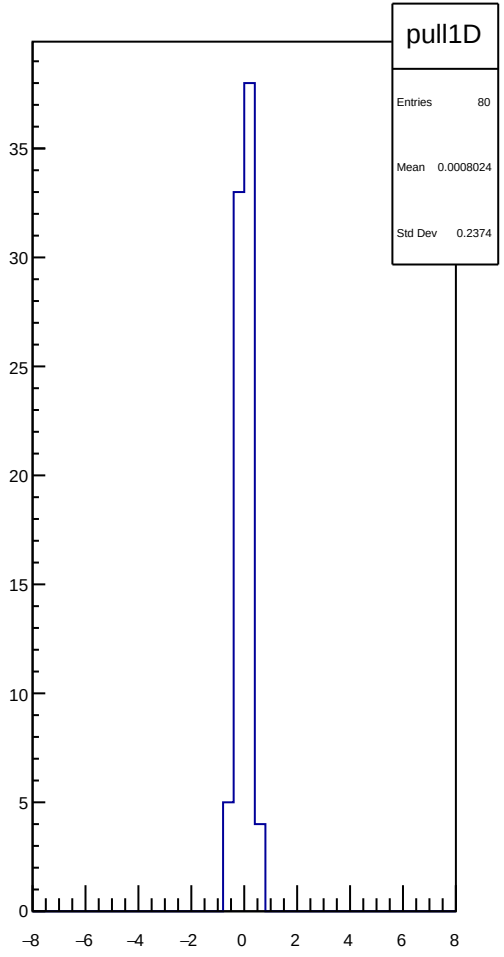

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.723 / 79
p0 6.768 ± 0.476
pull
Entries 80
Mean −767.6
Std Dev 796.4

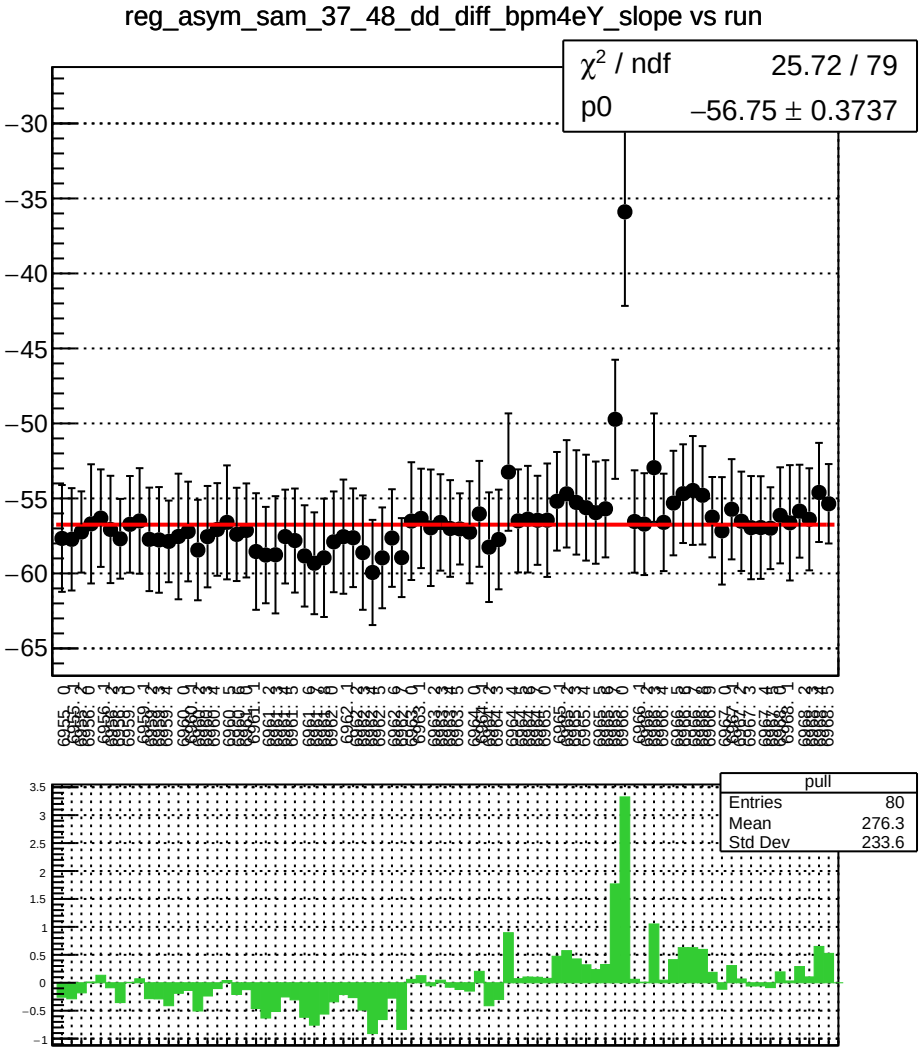

pull1D
Entries 80
Mean −0.0009125
Std Dev 0.243

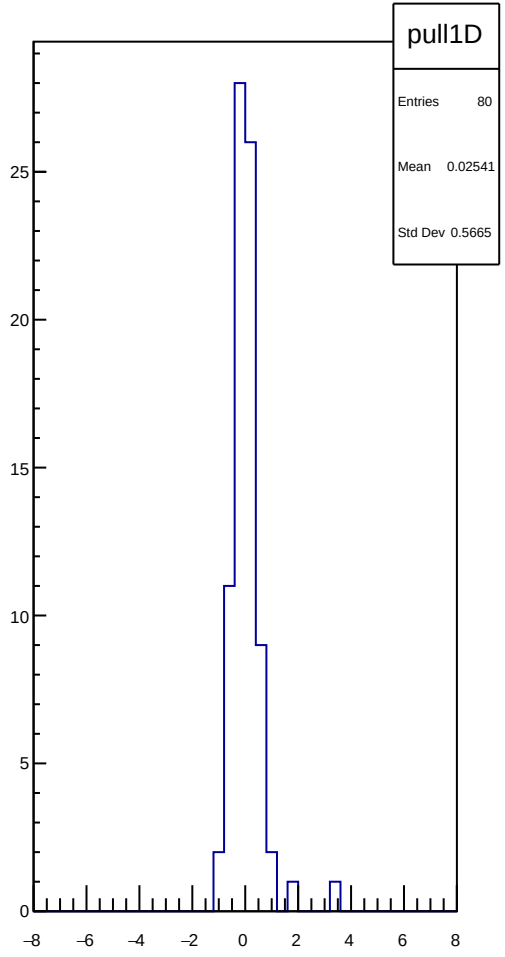

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.02 / 79
p0 4.221 ± 0.3285
pull
Entries 80
Mean 151
Std Dev 107.4

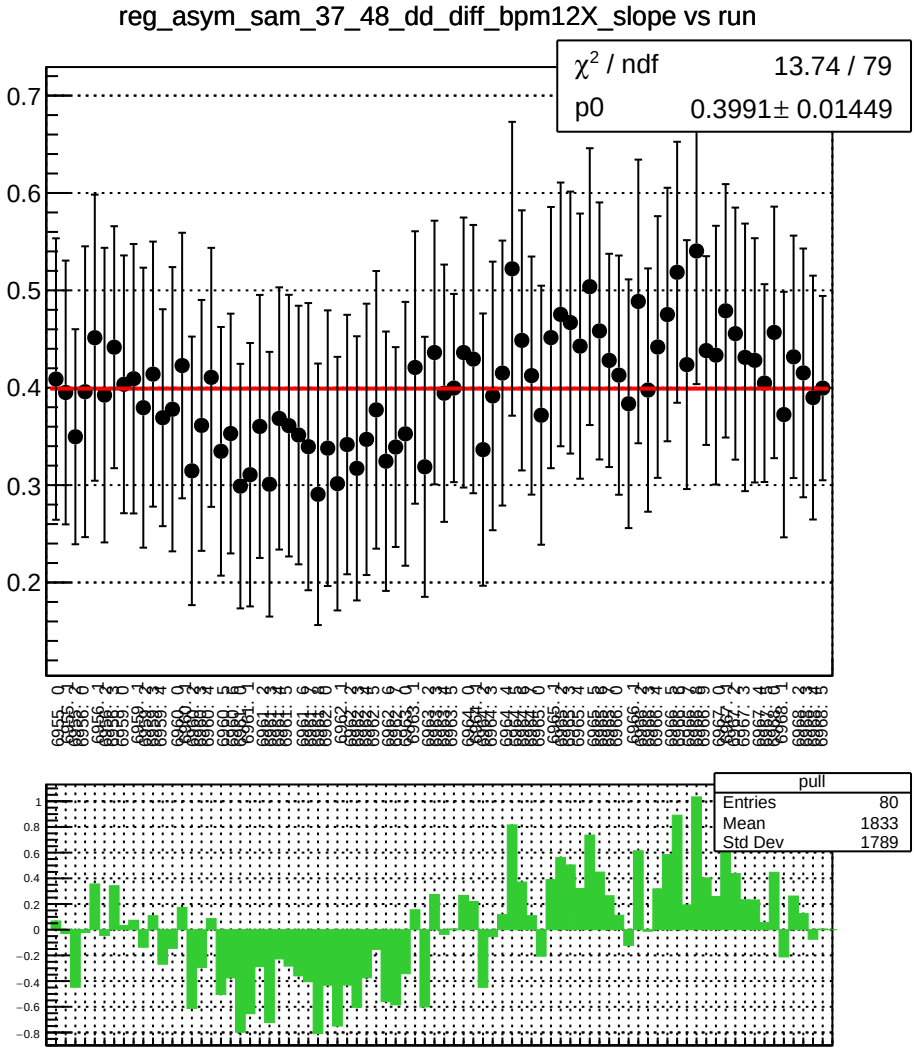

pull1D
Entries 80
Mean −0.04309
Std Dev 0.5687

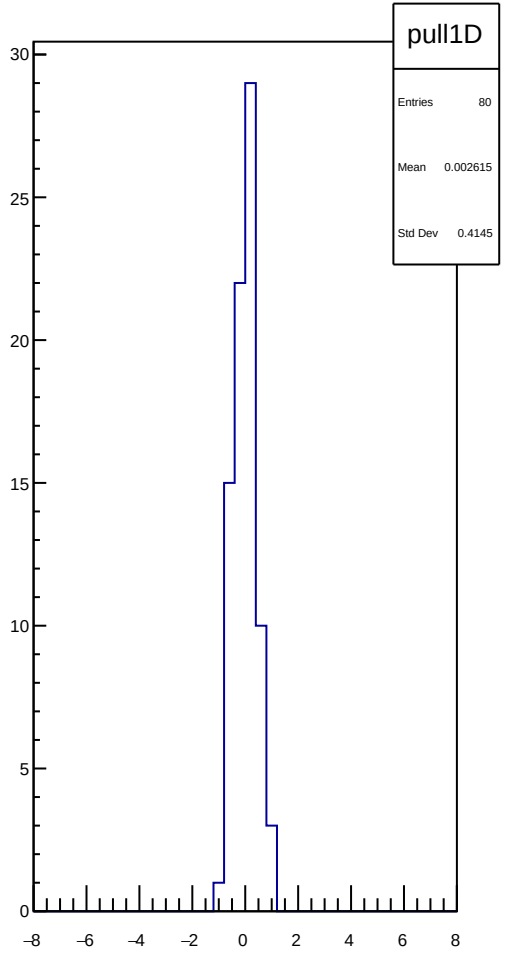

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.508 / 79
p0 10 ± 0.4406
pull
Entries 80
Mean −133.1
Std Dev 112.4

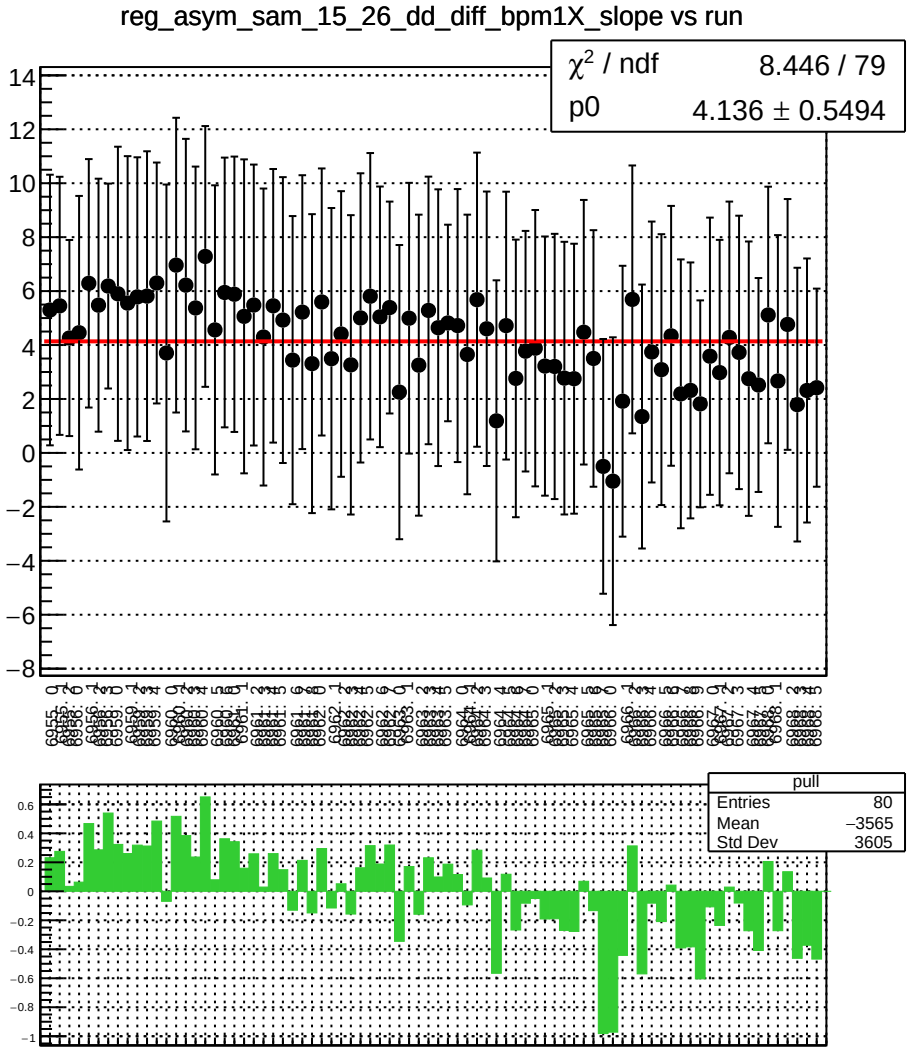

pull1D
Entries 80
Mean 0.0008024
Std Dev 0.2374

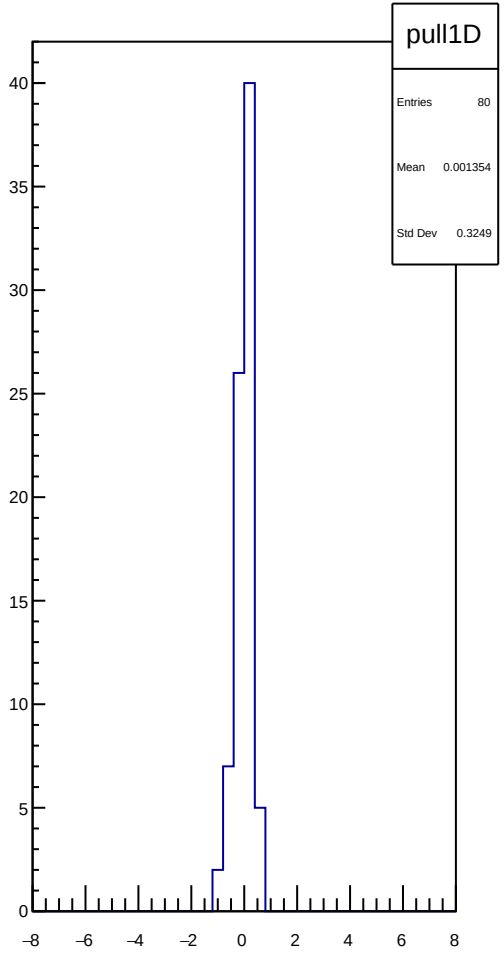

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.72 / 79
p0 −56.75 ± 0.3737
pull
Entries 80
Mean 276.3
Std Dev 233.6

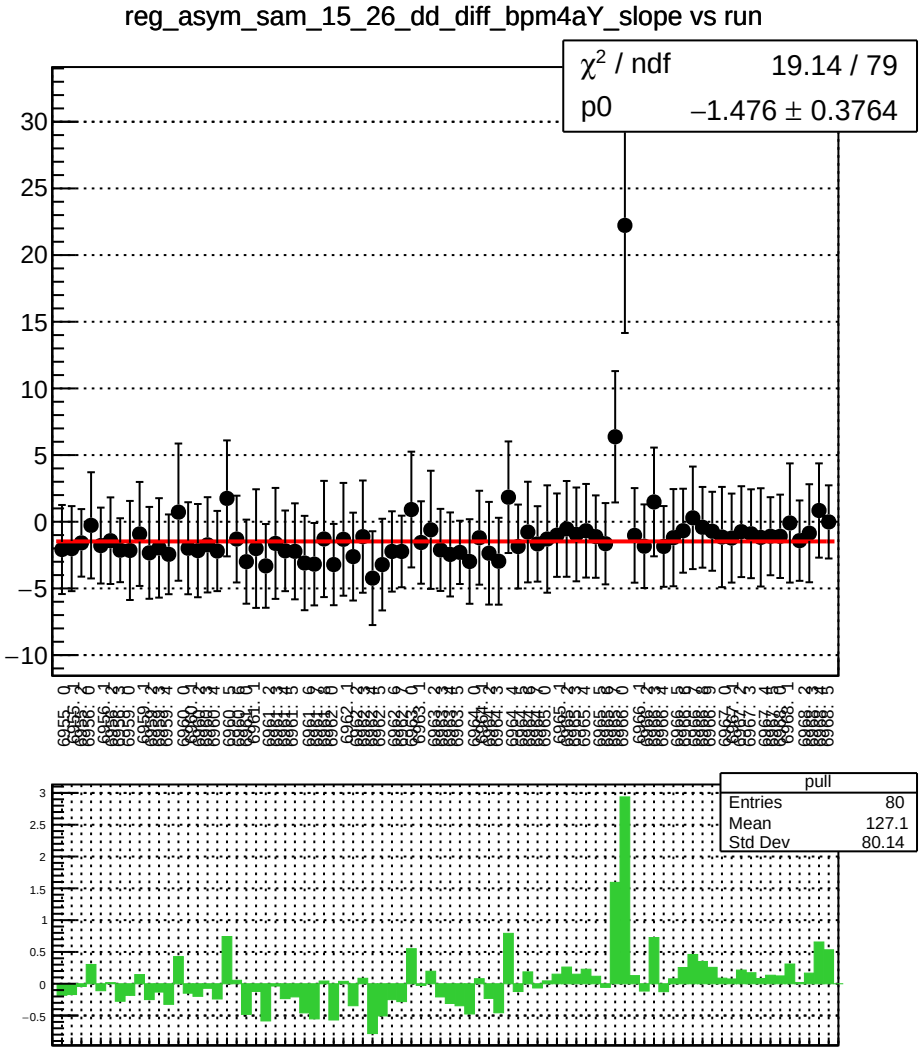

pull1D
Entries 80
Mean 0.02541
Std Dev 0.5665

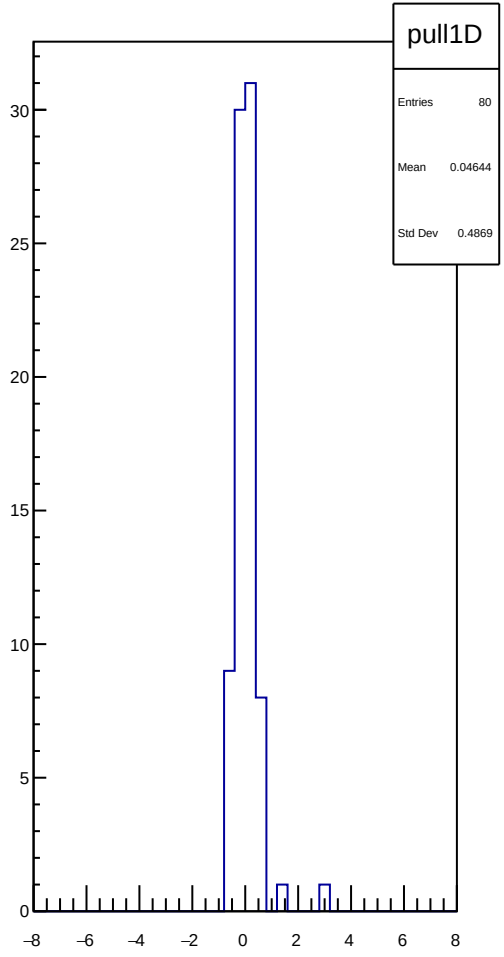

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.74 / 79
p0 0.3991± 0.01449
pull
Entries 80
Mean 1833
Std Dev 1789

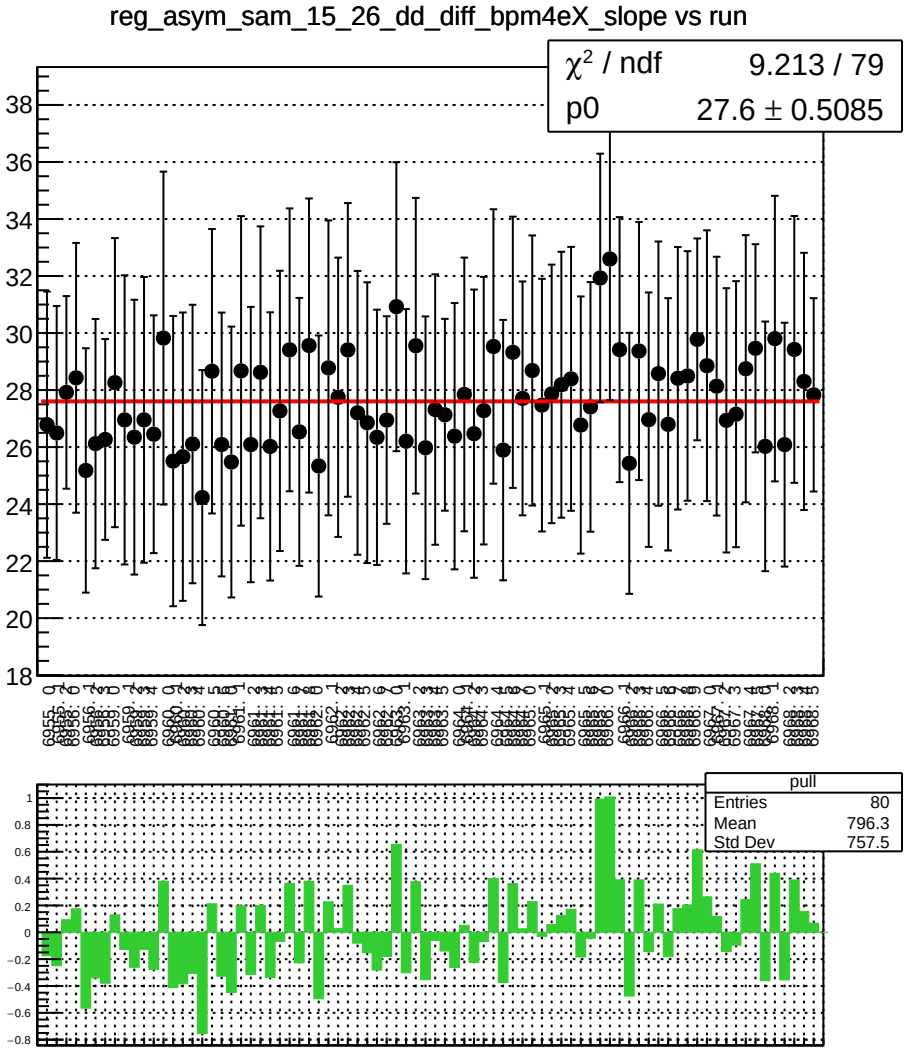

pull1D
Entries 80
Mean 0.002615
Std Dev 0.4145

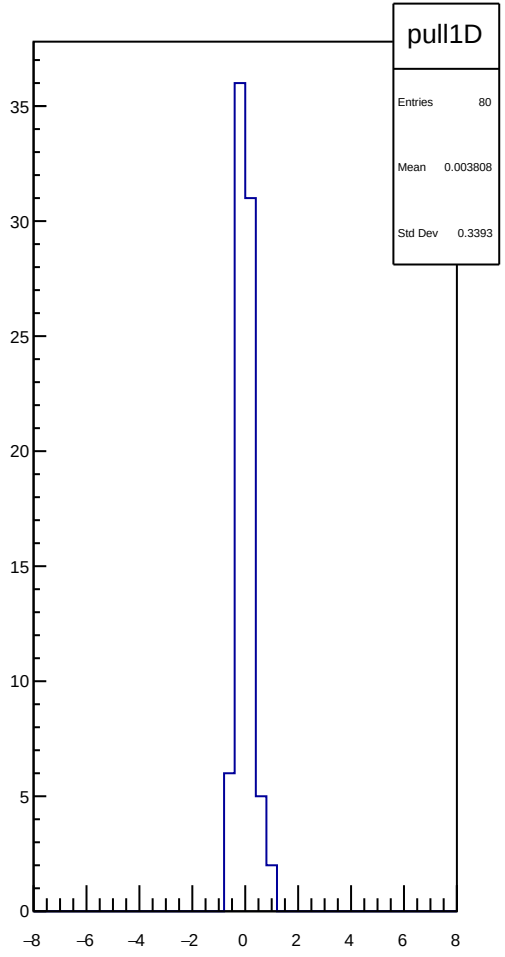

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.446 / 79
p0 4.136 ± 0.5494
pull
Entries 80
Mean −3565
Std Dev 3605

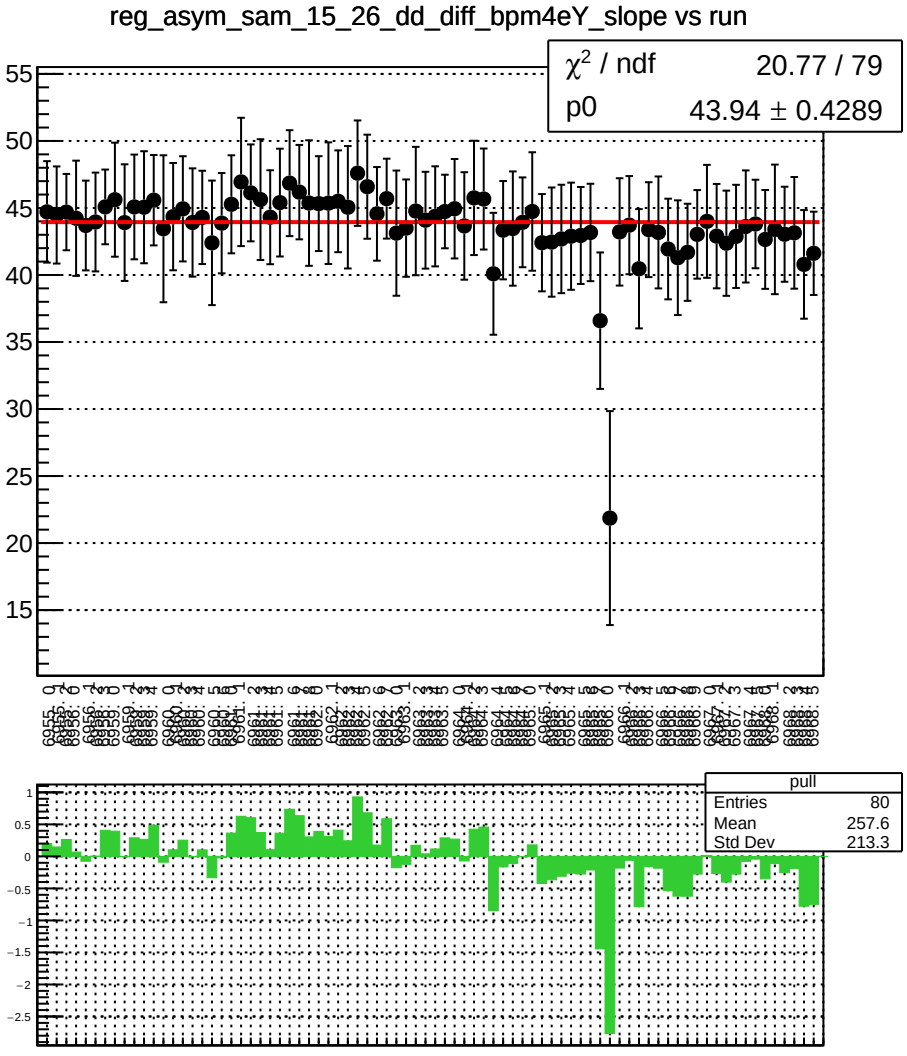

pull1D
Entries 80
Mean 0.001354
Std Dev 0.3249

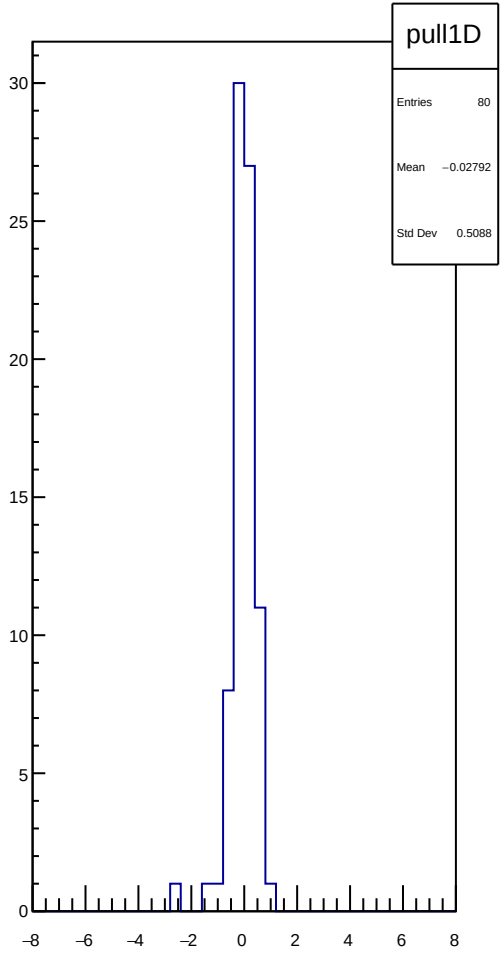

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.14 / 79
p0 −1.476 ± 0.3764
pull
Entries 80
Mean 127.1
Std Dev 80.14

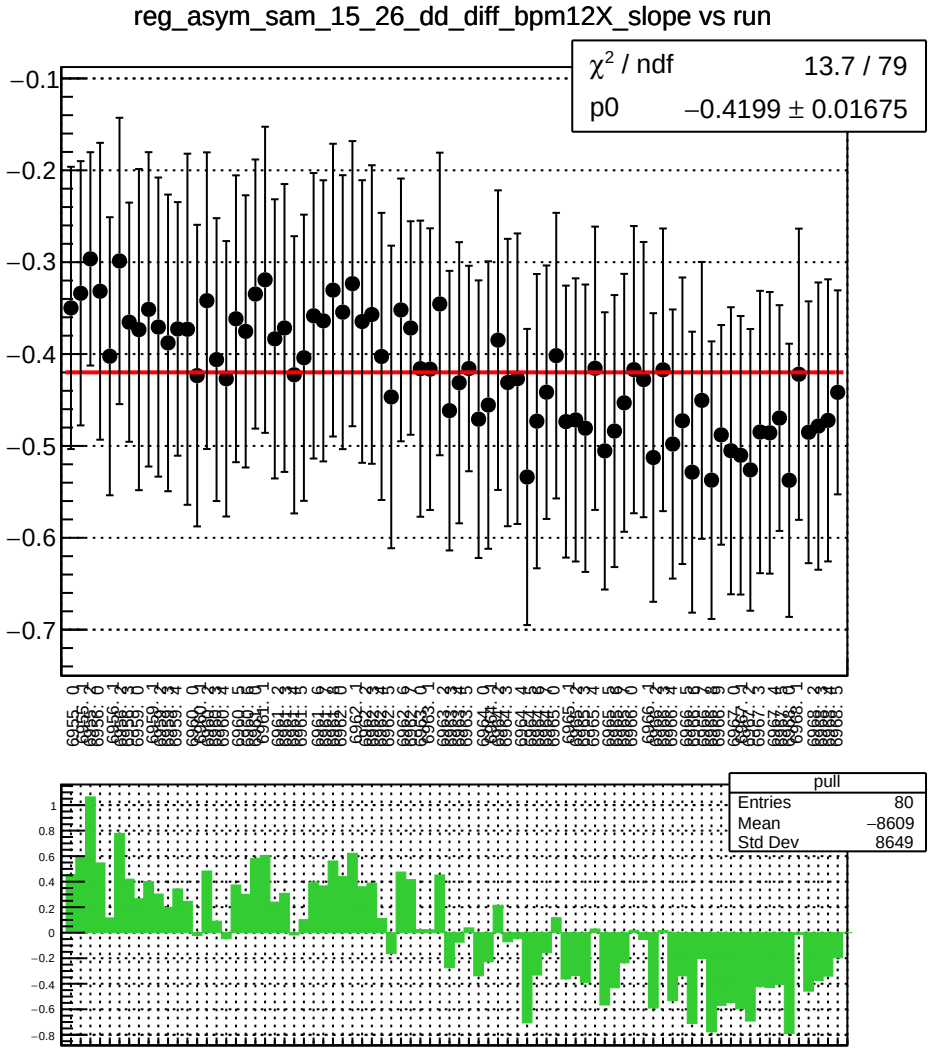

pull1D
Entries 80
Mean 0.04644
Std Dev 0.4869

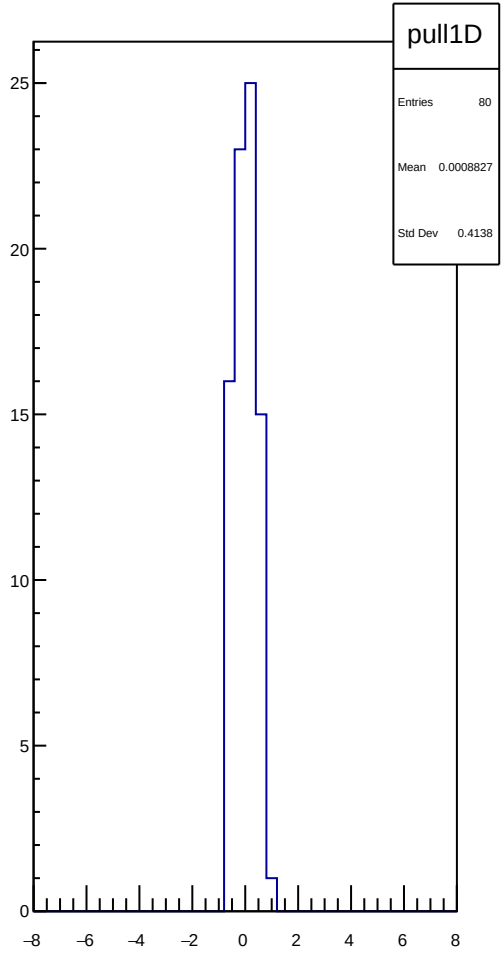

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.213 / 79
p0 27.6 ± 0.5085
pull
Entries 80
Mean 796.3
Std Dev 757.5

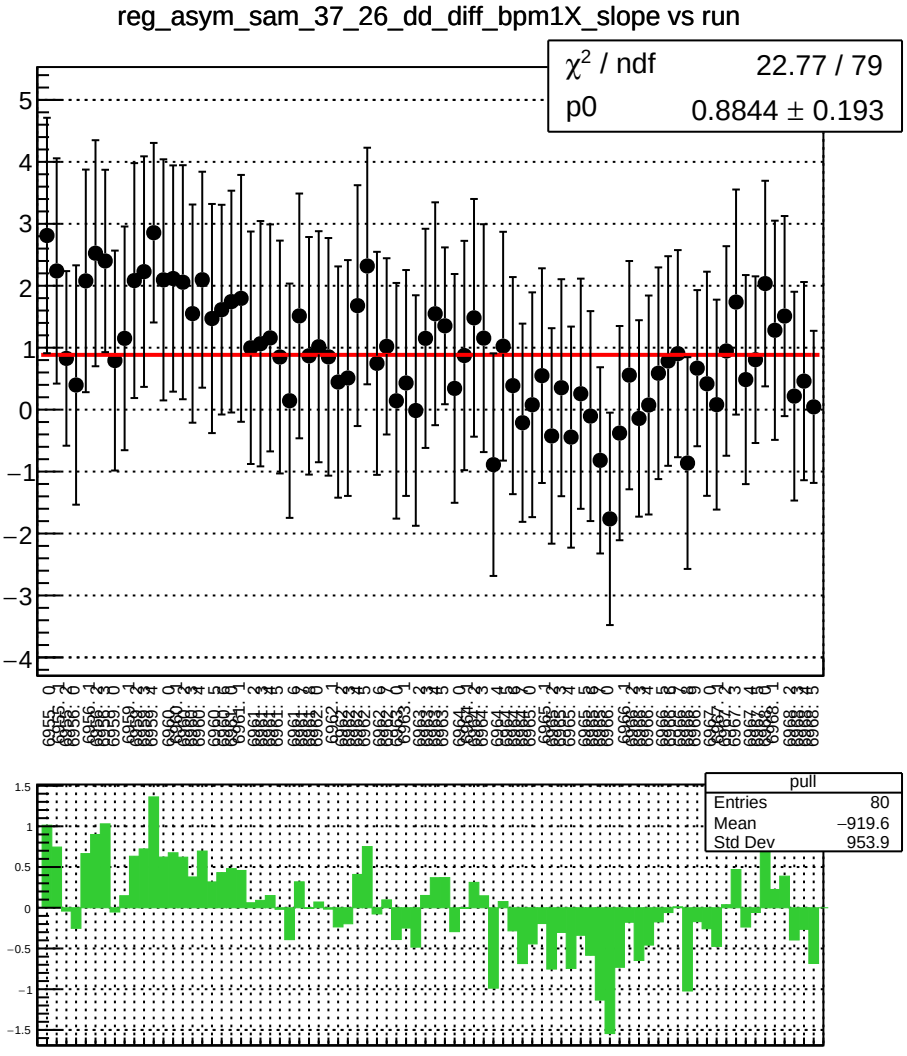

pull1D
Entries 80
Mean 0.003808
Std Dev 0.3393

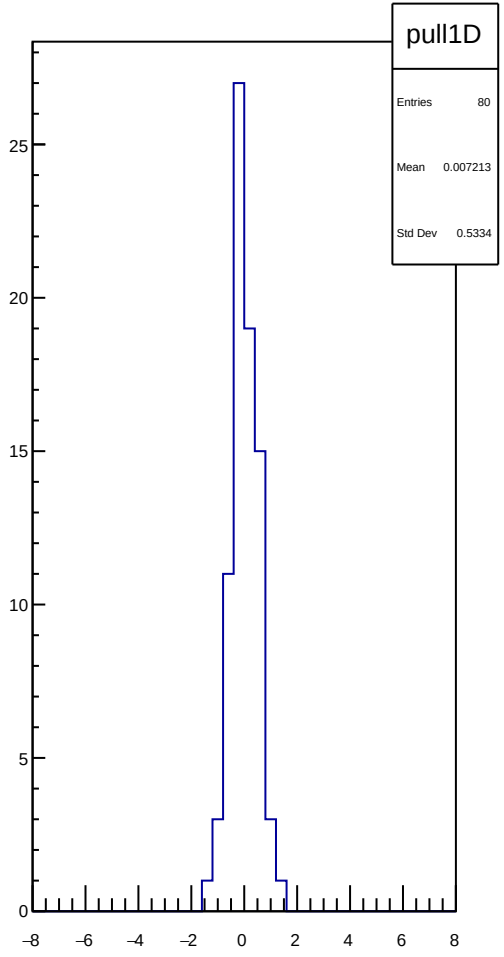

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.77 / 79
p0 43.94 ± 0.4289
pull
Entries 80
Mean 257.6
Std Dev 213.3

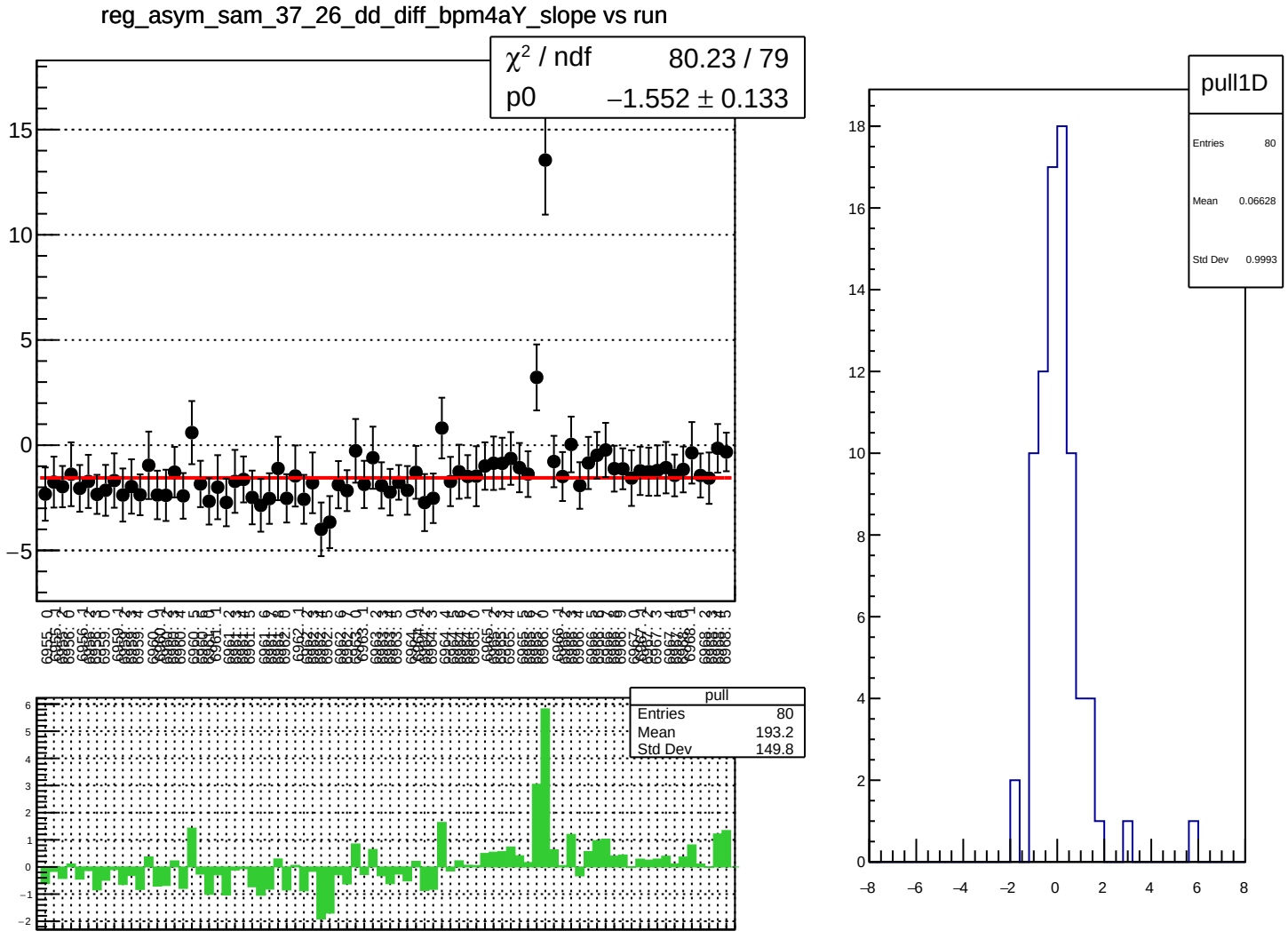

pull1D
Entries 80
Mean −0.02792
Std Dev 0.5088

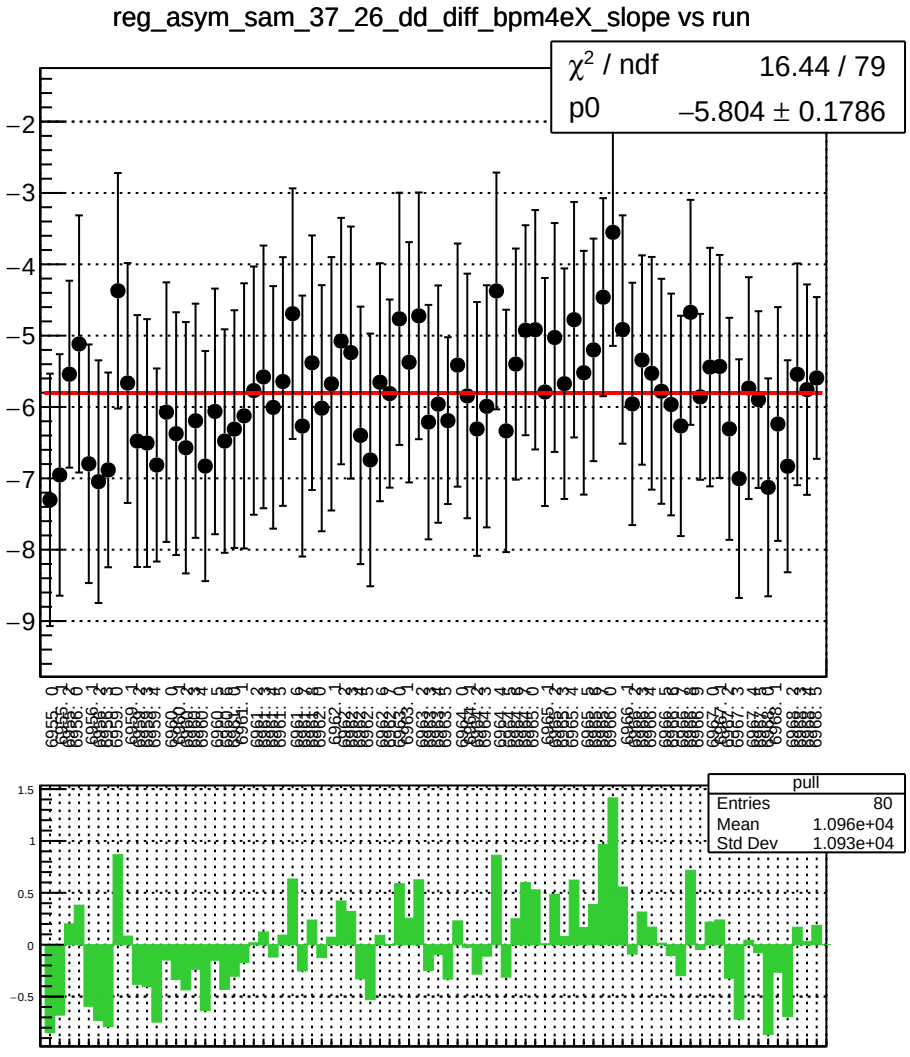

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 13.7 / 79
p0 −0.4199 ± 0.01675
pull
Entries 80
Mean −8609
Std Dev 8649

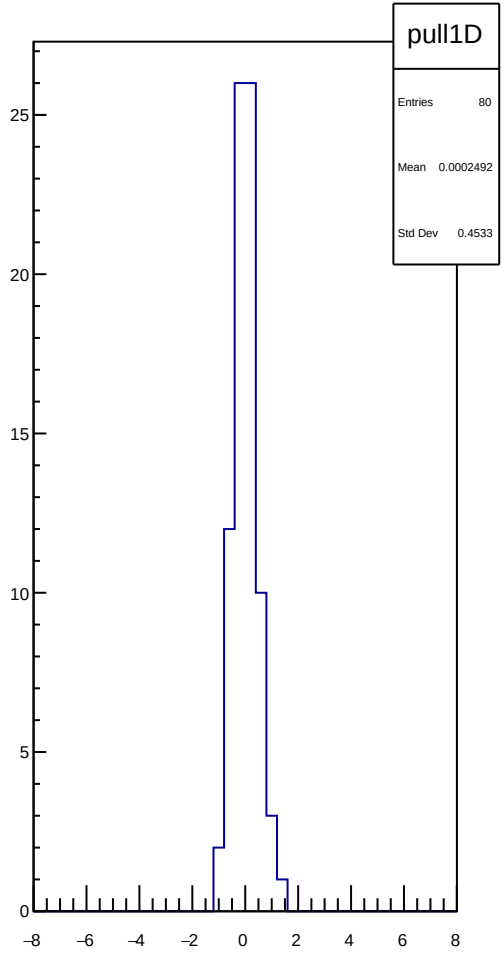

pull1D
Entries 80
Mean 0.0008827
Std Dev 0.4138

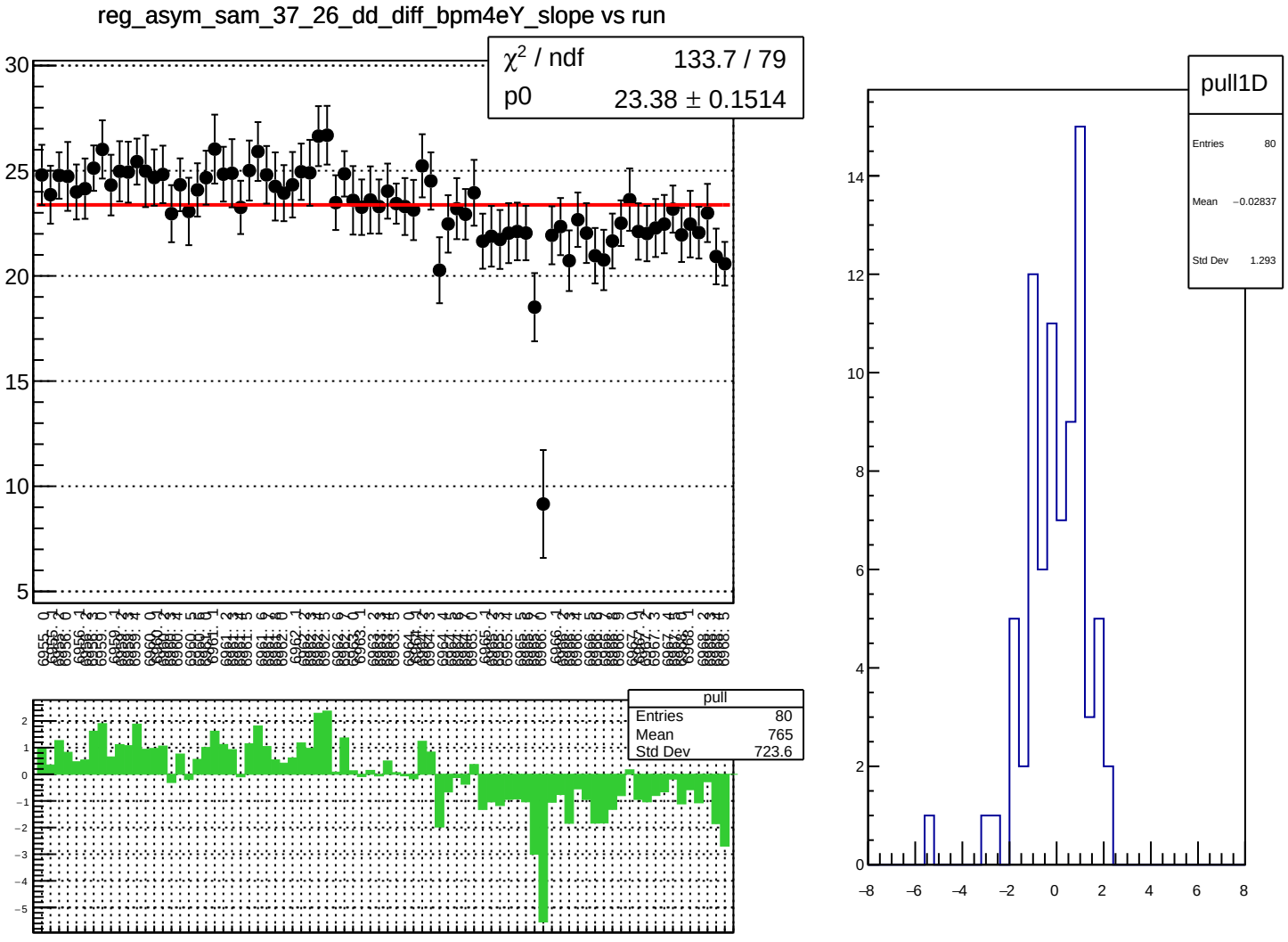

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 22.77 / 79
p0 0.8844 ± 0.193
pull
Entries 80
Mean −919.6
Std Dev 953.9

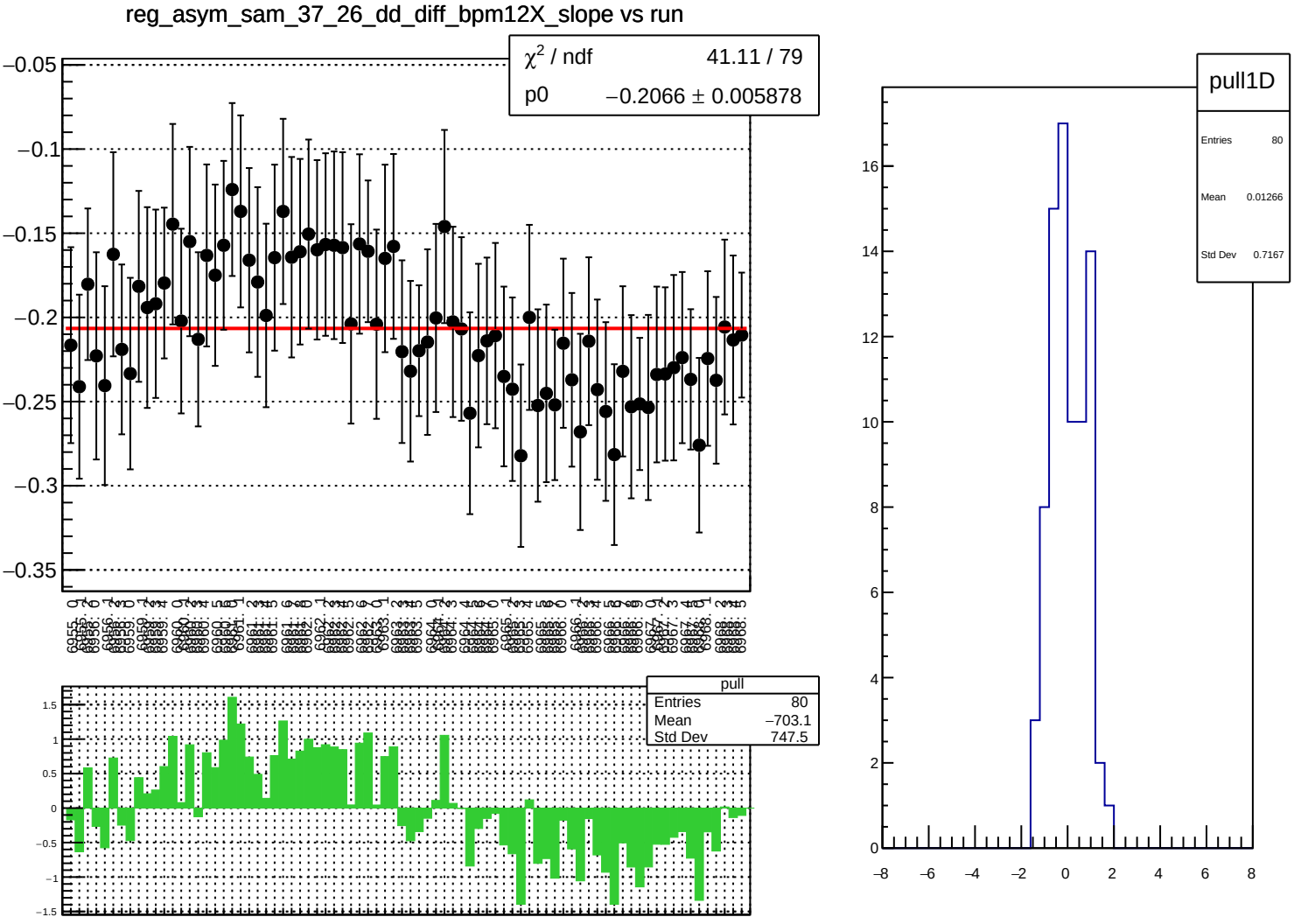

pull1D
Entries 80
Mean 0.007213
Std Dev 0.5334

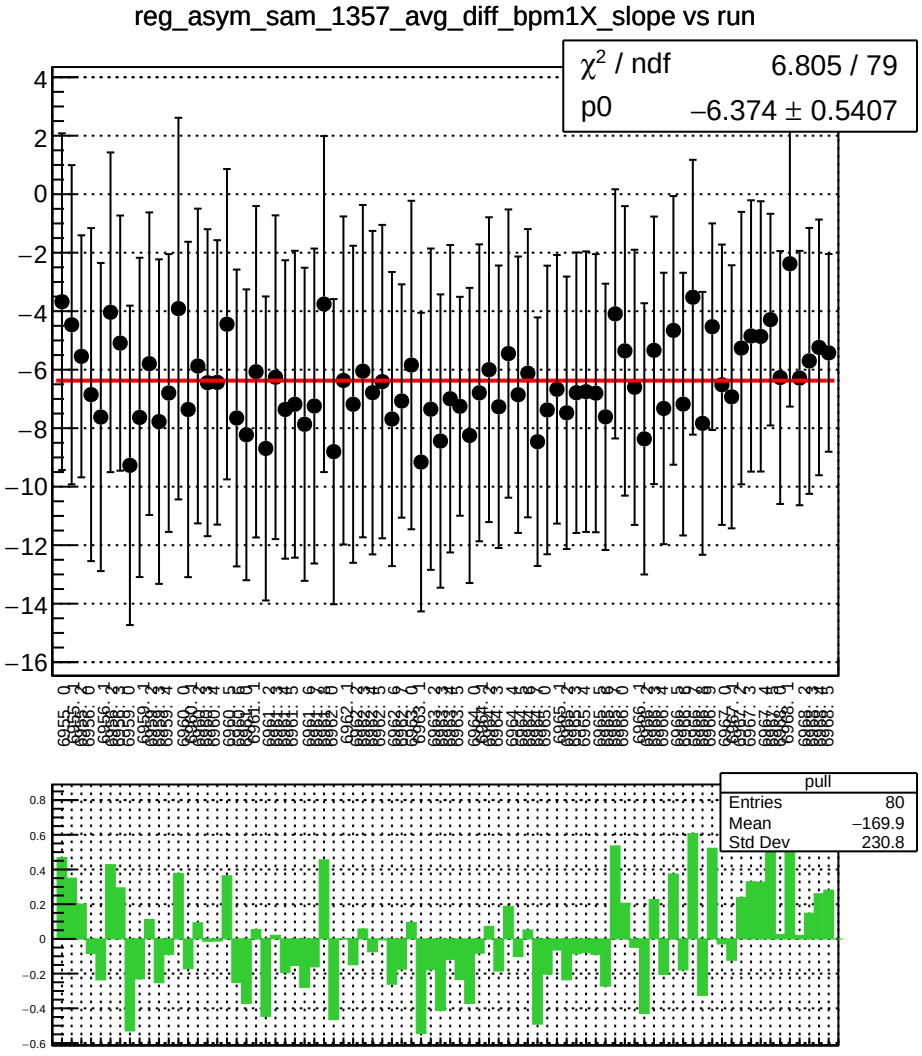

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.23 / 79
p0 −1.552 ± 0.133
pull
Entries 80
Mean 193.2
Std Dev 149.8
pull1D
Entries 80
Mean 0.06628
Std Dev 0.9993

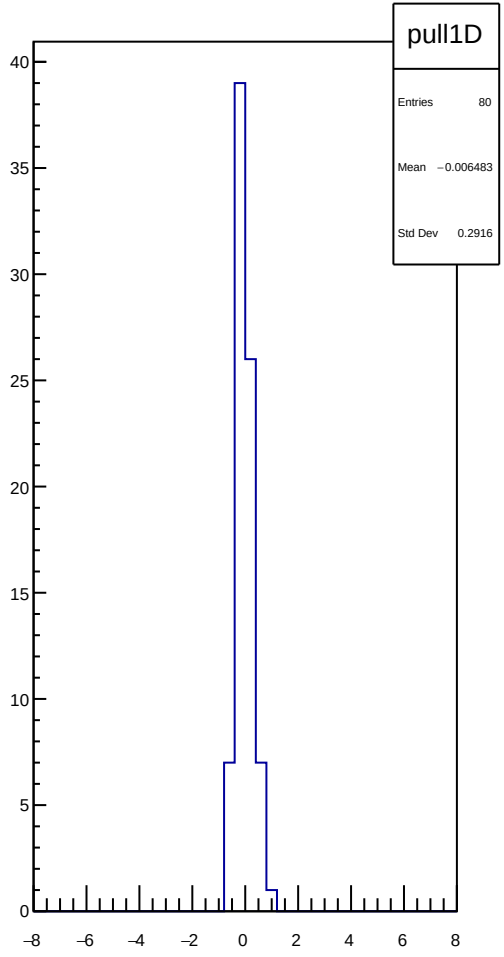

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.44 / 79
p0 −5.804 ± 0.1786
pull
Entries 80
Mean 1.096e+04
Std Dev 1.093e+04

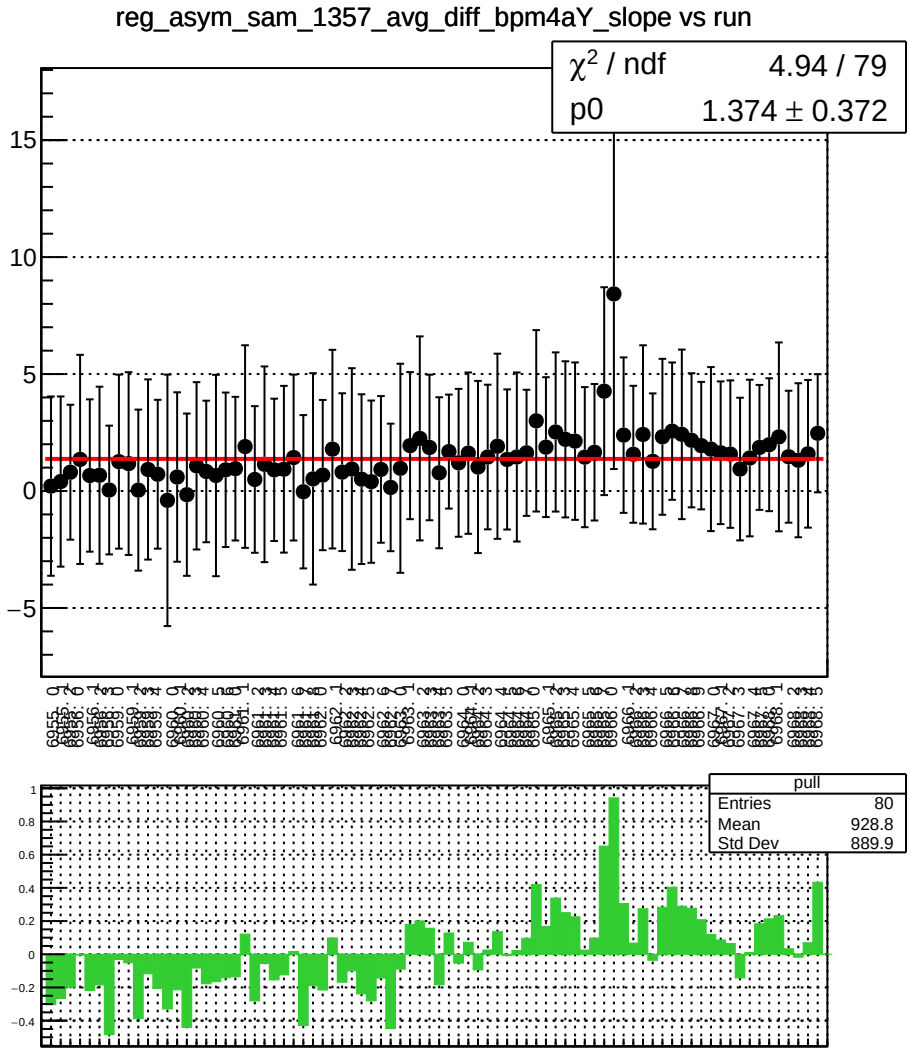

pull1D
Entries 80
Mean 0.0002492
Std Dev 0.4533

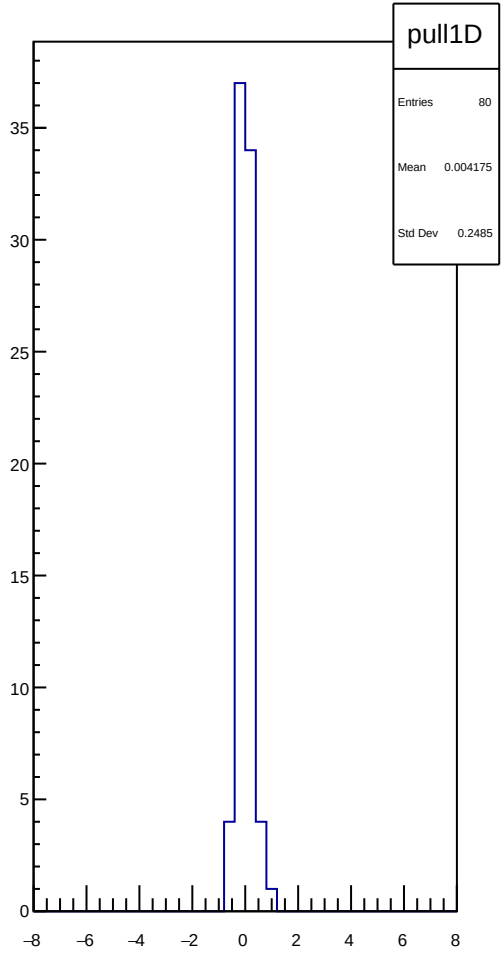

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 133.7 / 79
p0 23.38 ± 0.1514
pull
Entries 80
Mean 765
Std Dev 723.6
pull1D
Entries 80
Mean −0.02837
Std Dev 1.293

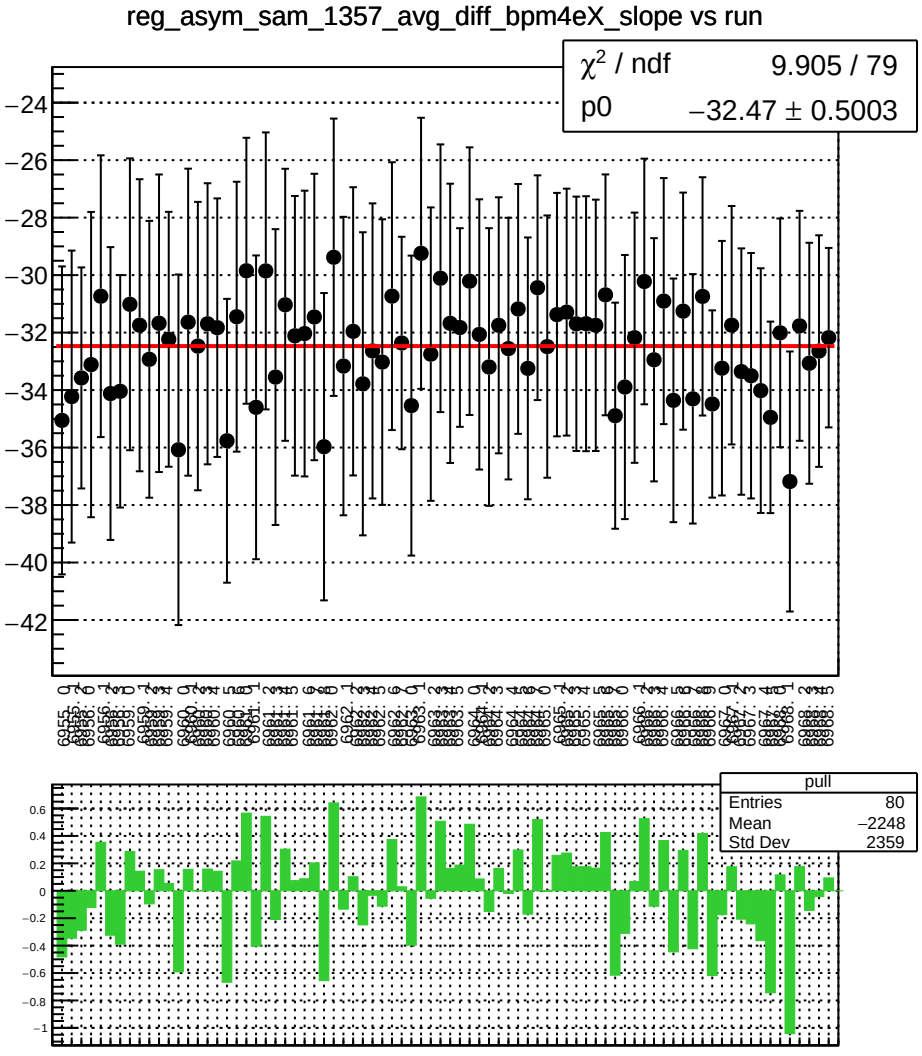

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 41.11 / 79
p0 −0.2066 ± 0.005878
pull
Entries 80
Mean −703.1
Std Dev 747.5
pull1D
Entries 80
Mean 0.01266
Std Dev 0.7167

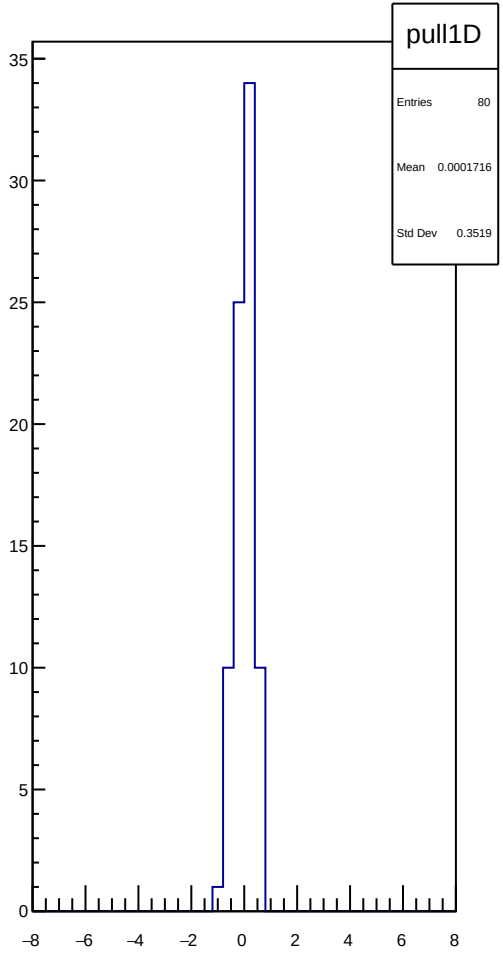

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.805 / 79
p0 −6.374 ± 0.5407
pull
Entries 80
Mean −169.9
Std Dev 230.8

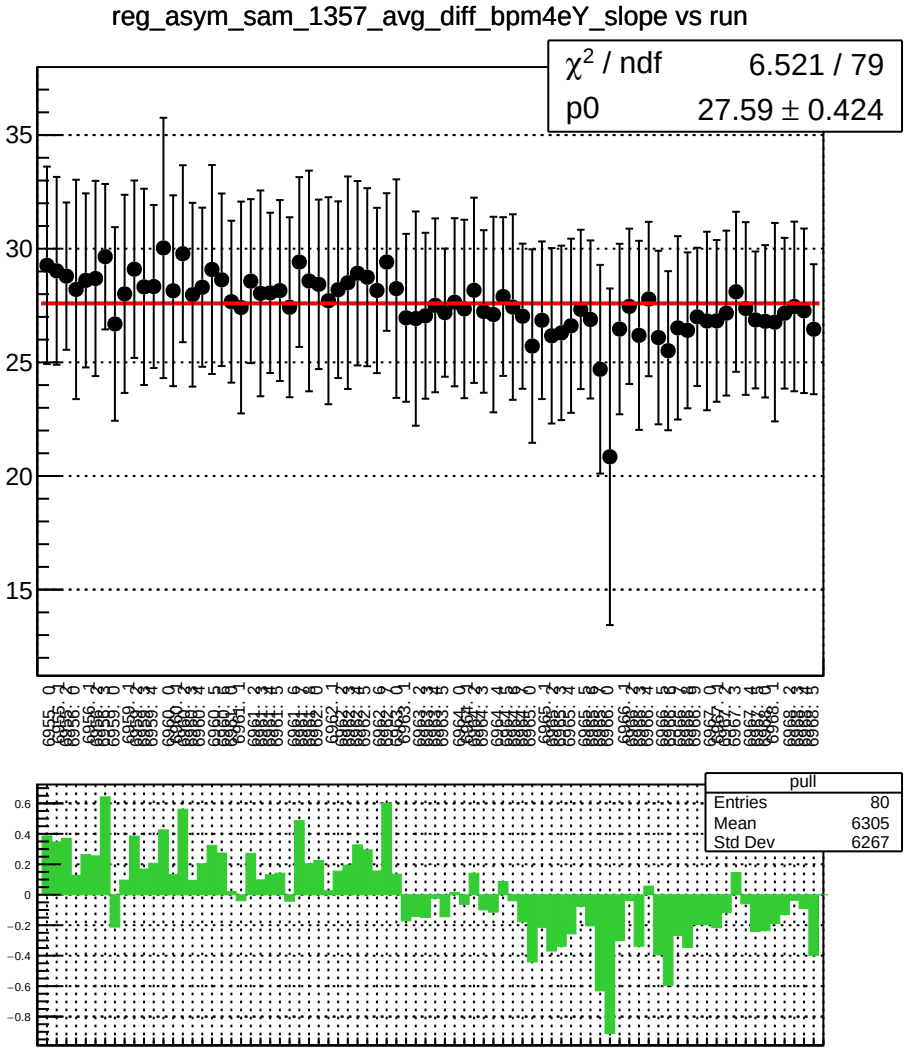

pull1D
Entries 80
Mean −0.006483
Std Dev 0.2916

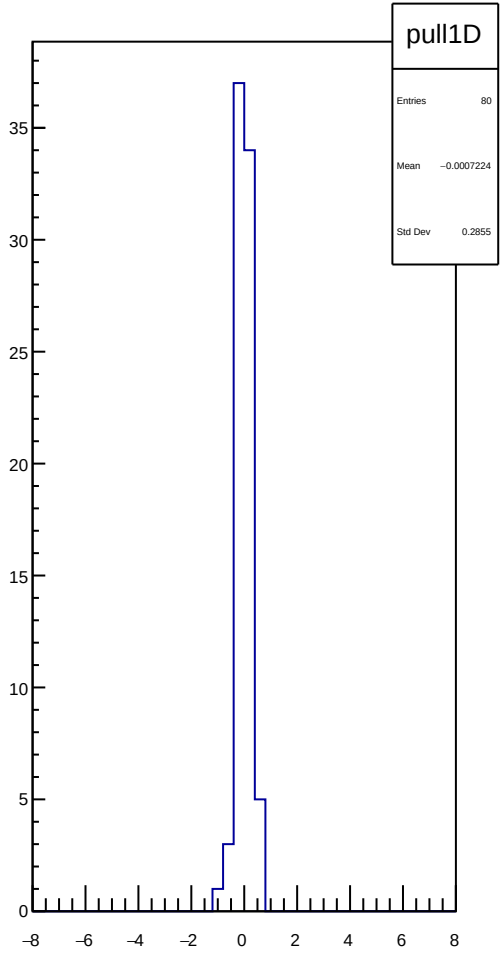

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.94 / 79
p0 1.374 ± 0.372
pull
Entries 80
Mean 928.8
Std Dev 889.9

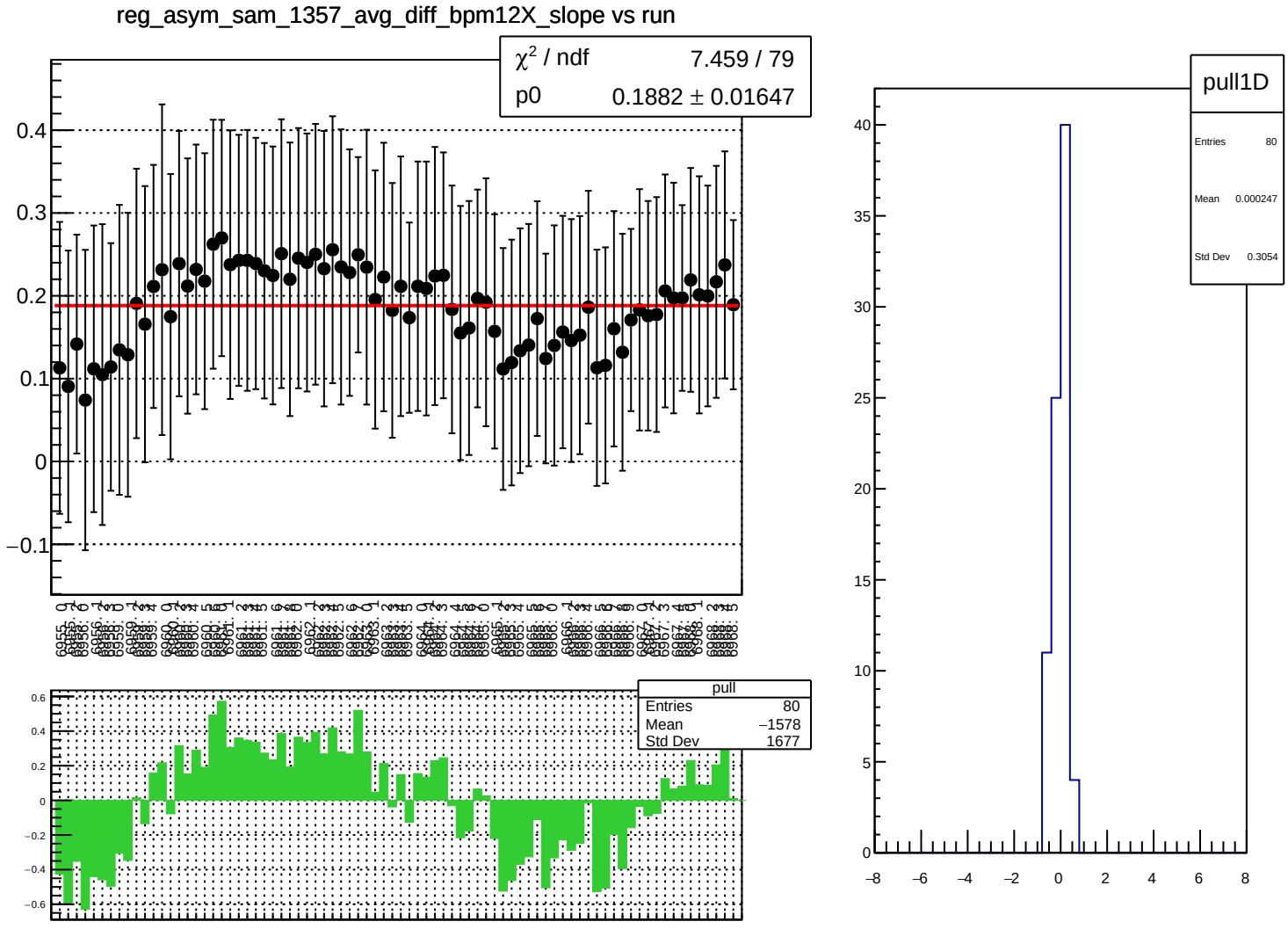

pull1D
Entries 80
Mean 0.004175
Std Dev 0.2485

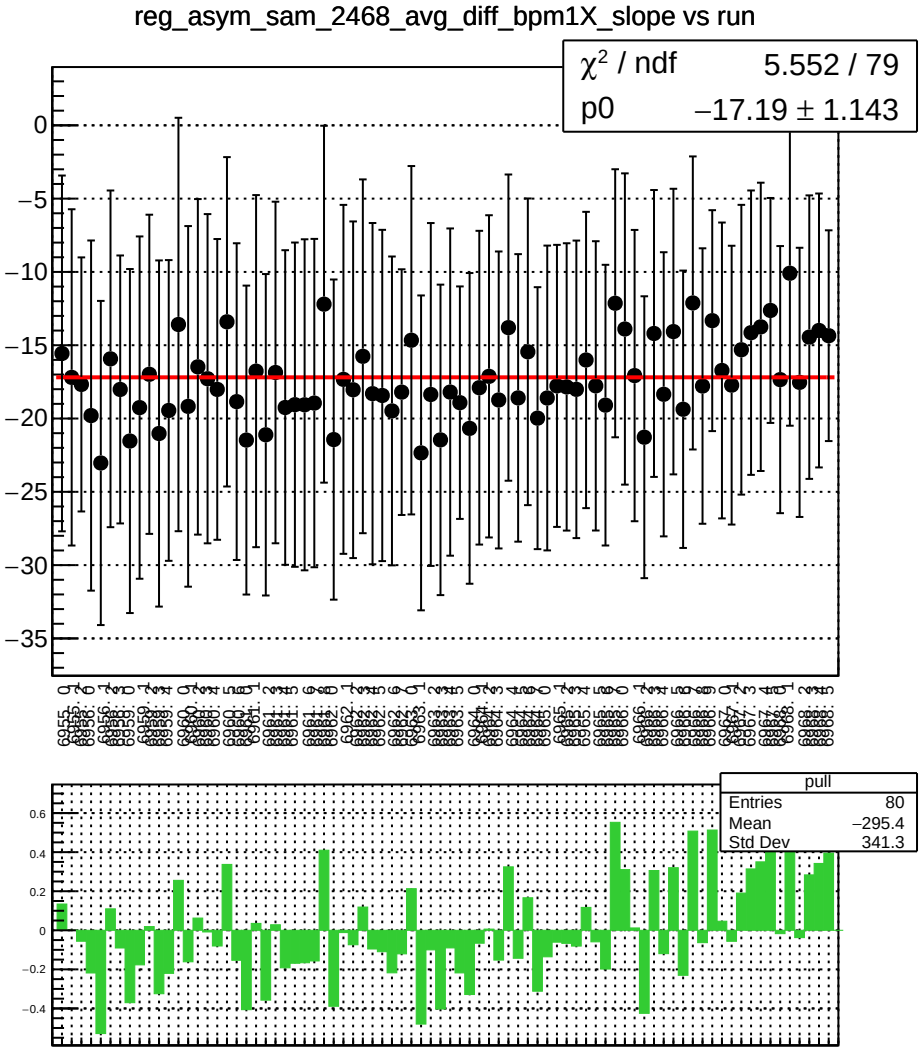

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.905 / 79
p0 −32.47 ± 0.5003
pull
Entries 80
Mean −2248
Std Dev 2359

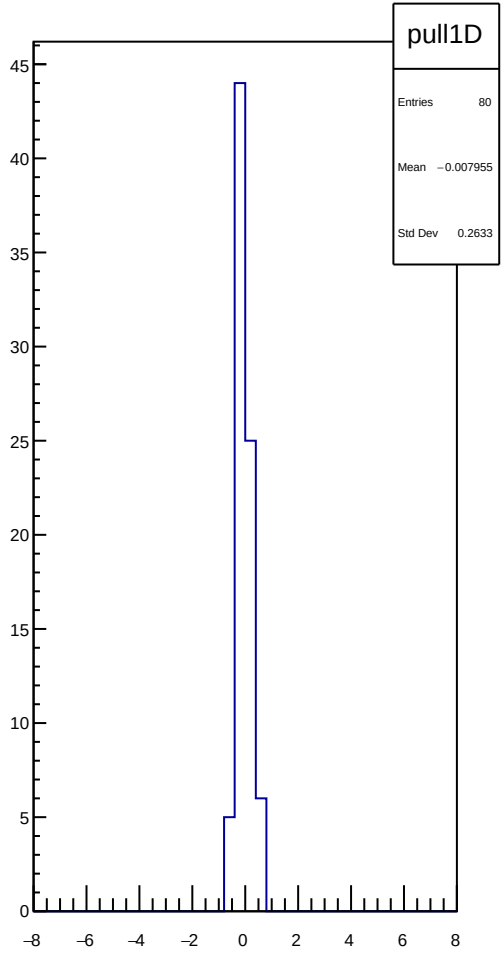

pull1D
Entries 80
Mean 0.0001716
Std Dev 0.3519

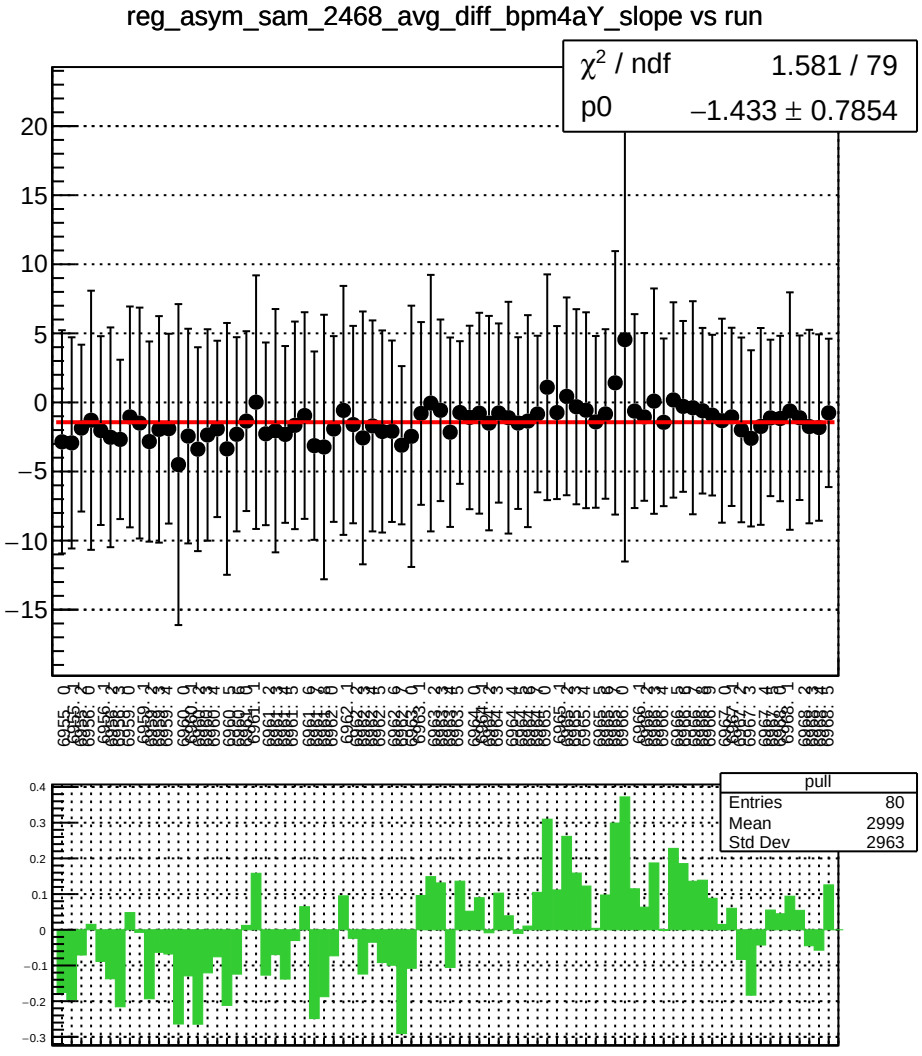

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.521 / 79
p0 27.59 ± 0.424
pull
Entries 80
Mean 6305
Std Dev 6267

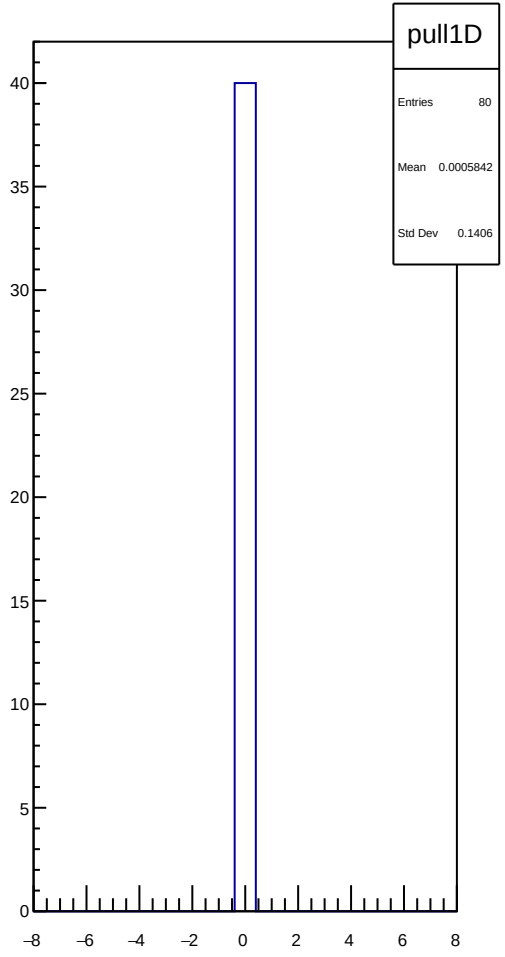

pull1D
Entries 80
Mean −0.0007224
Std Dev 0.2855

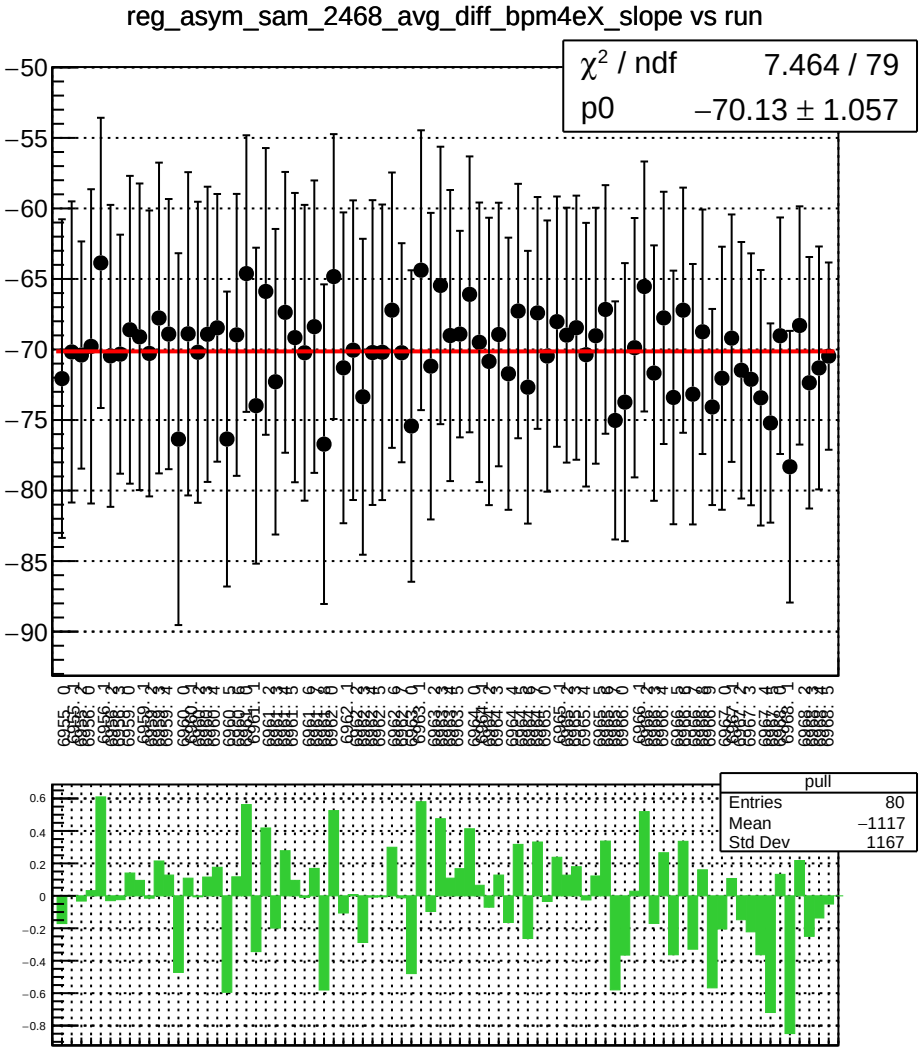

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 7.459 / 79
p0 0.1882 ± 0.01647
pull
Entries 80
Mean −1578
Std Dev 1677
pull1D
Entries 80
Mean 0.000247
Std Dev 0.3054

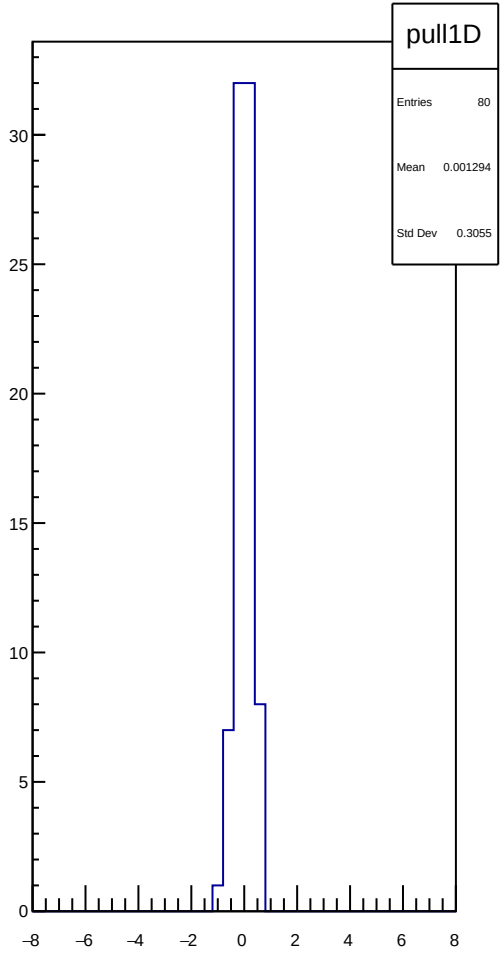

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.552 / 79
p0 −17.19 ± 1.143
pull
Entries 80
Mean −295.4
Std Dev 341.3

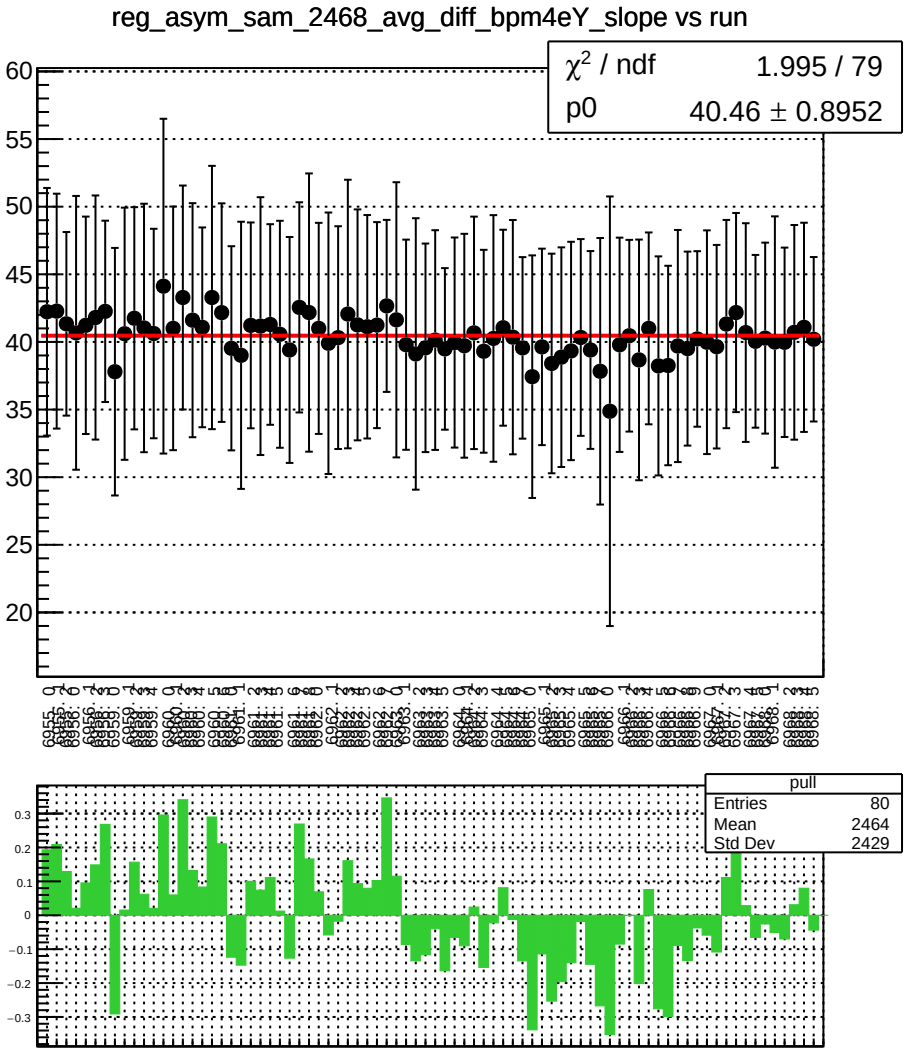

pull1D
Entries 80
Mean −0.007955
Std Dev 0.2633

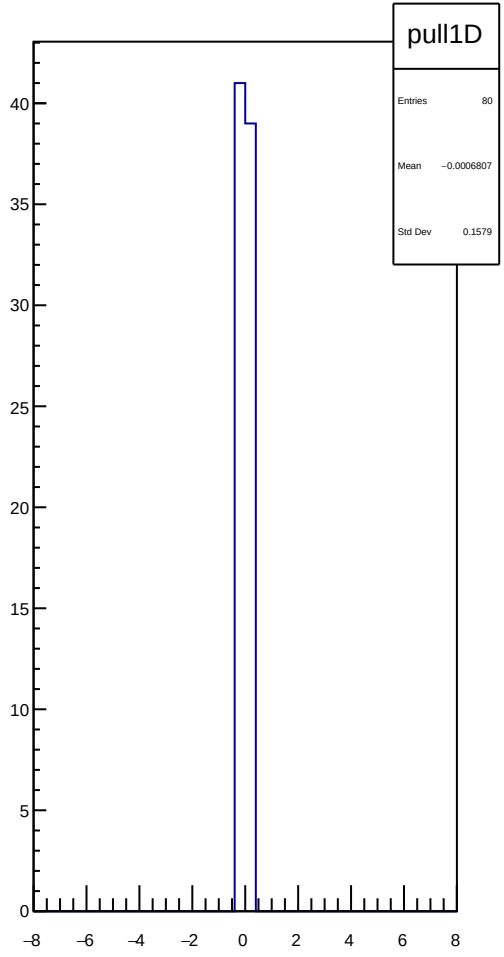

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.581 / 79
p0 −1.433 ± 0.7854
pull
Entries 80
Mean 2999
Std Dev 2963

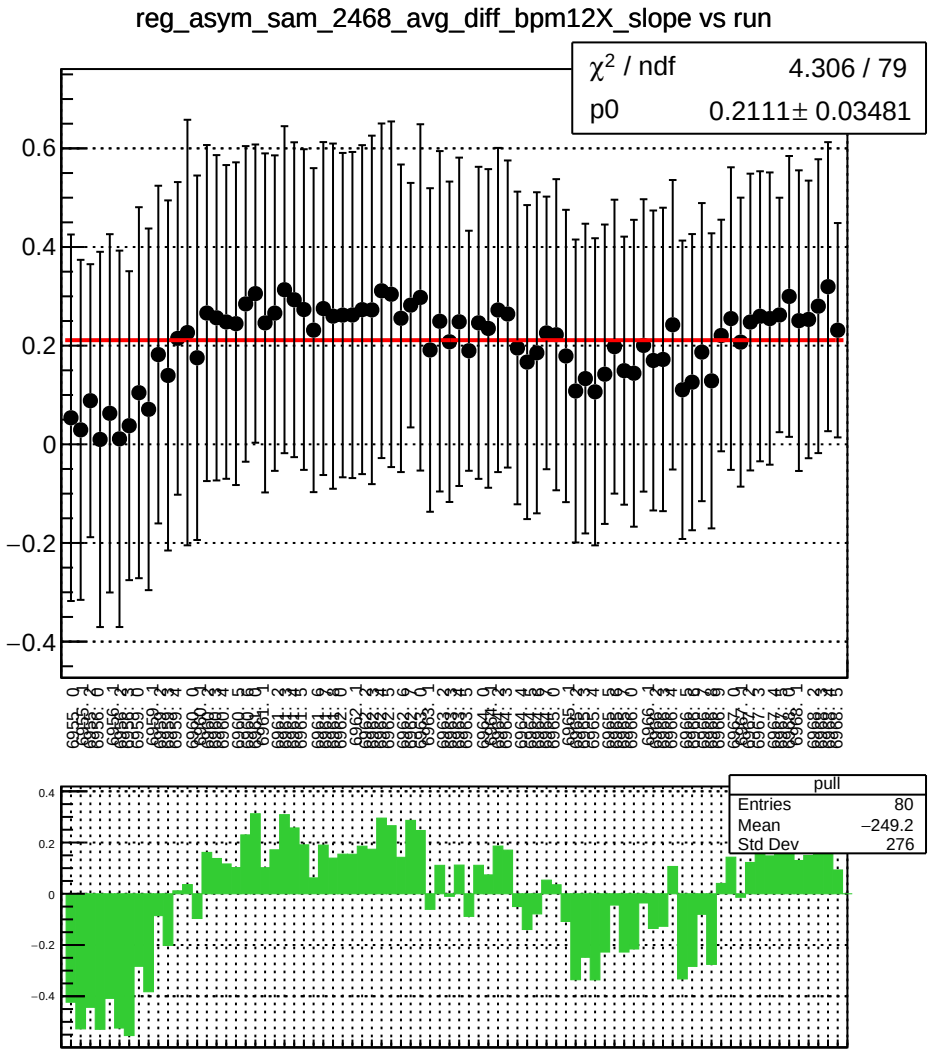

pull1D
Entries 80
Mean 0.0005842
Std Dev 0.1406

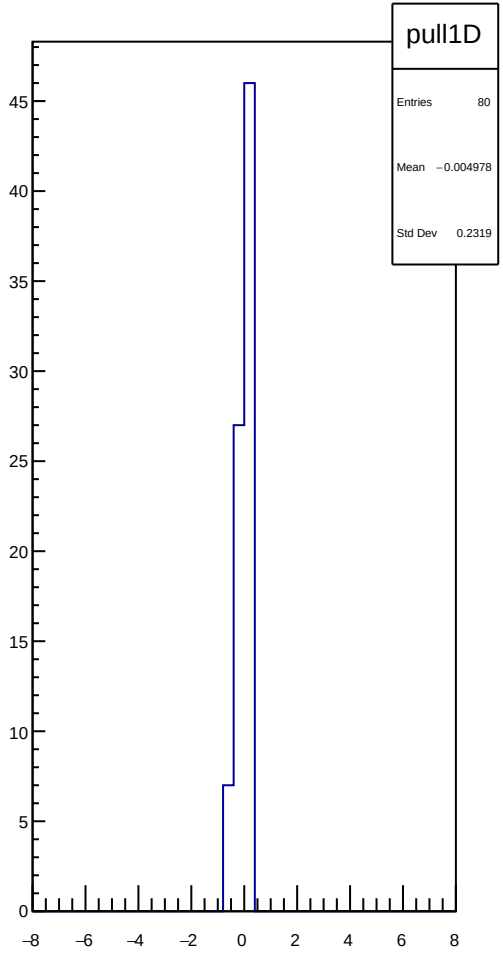

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.464 / 79
p0 −70.13 ± 1.057
pull
Entries 80
Mean −1117
Std Dev 1167


pull1D
Entries 80
Mean 0.001294
Std Dev 0.3055

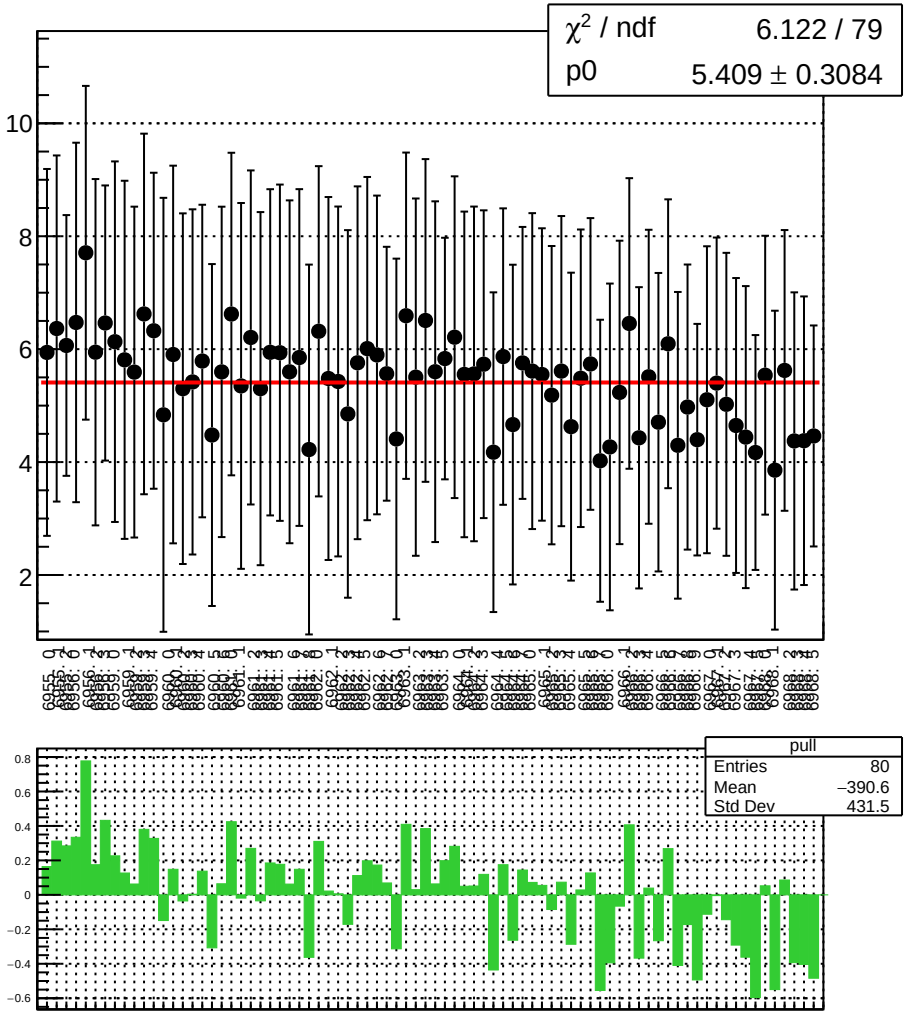

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.995 / 79
p0 40.46 ± 0.8952
pull
Entries 80
Mean 2464
Std Dev 2429

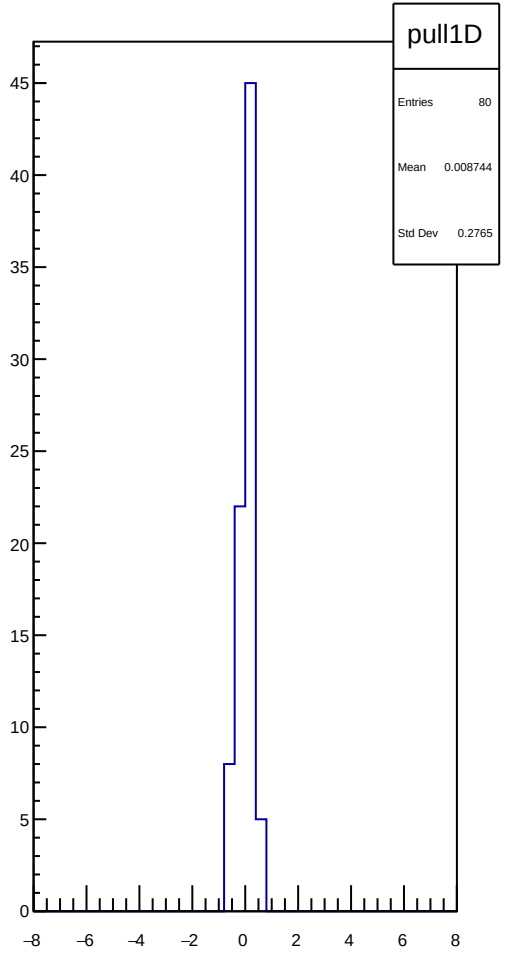

pull1D
Entries 80
Mean −0.0006807
Std Dev 0.1579


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 4.306 / 79
p0 0.2111 ± 0.03481
pull
Entries 80
Mean −249.2
Std Dev 276

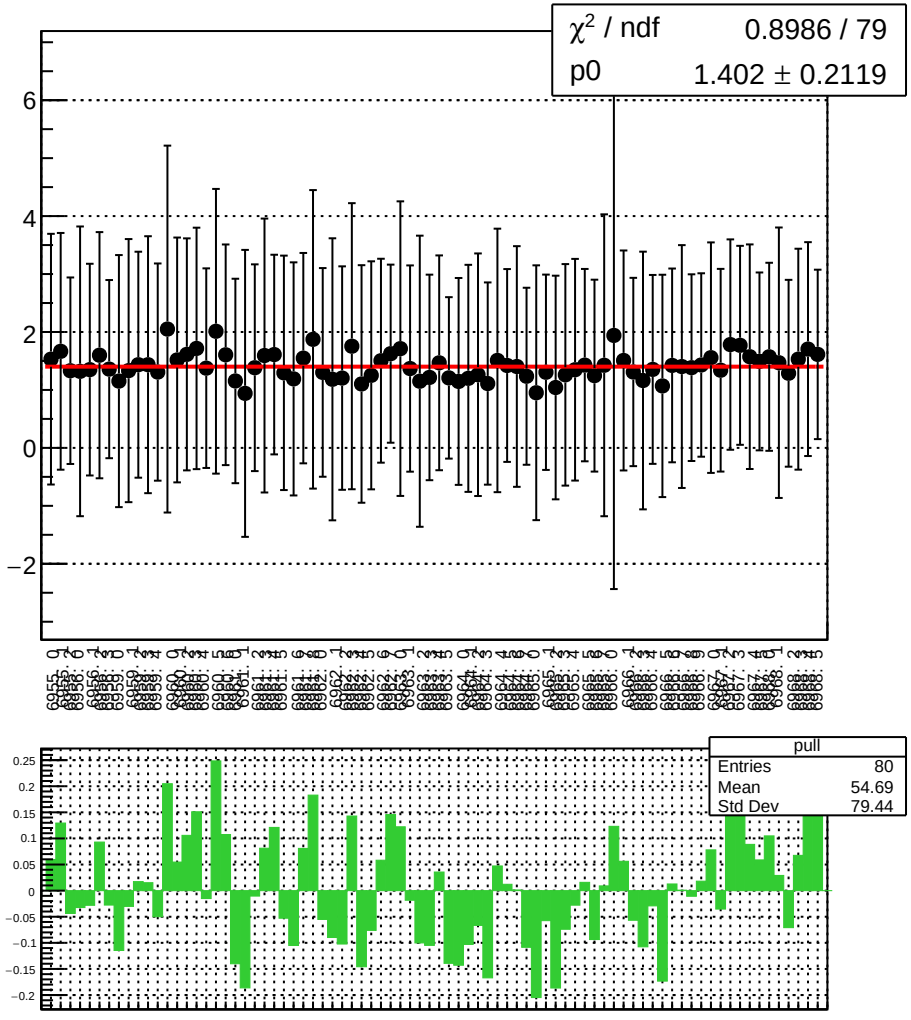

pull1D
Entries 80
Mean −0.004978
Std Dev 0.2319

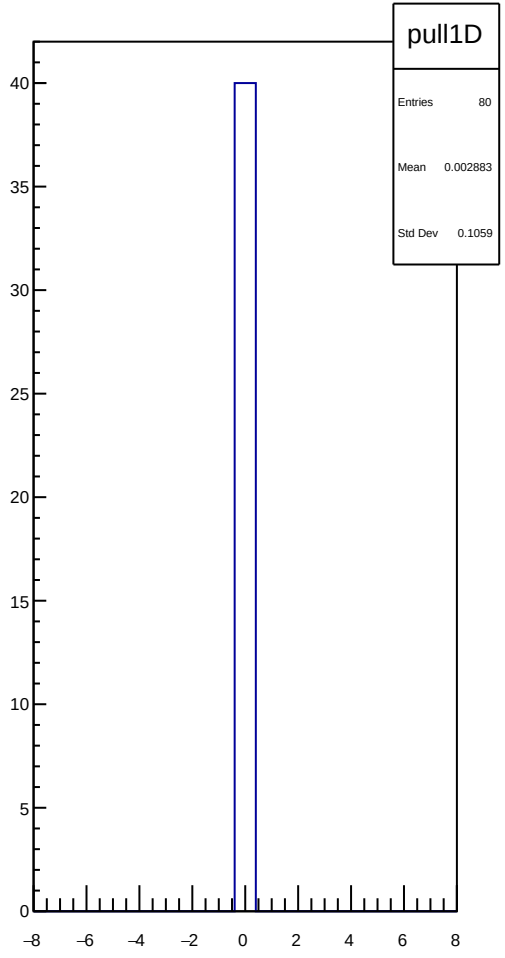
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

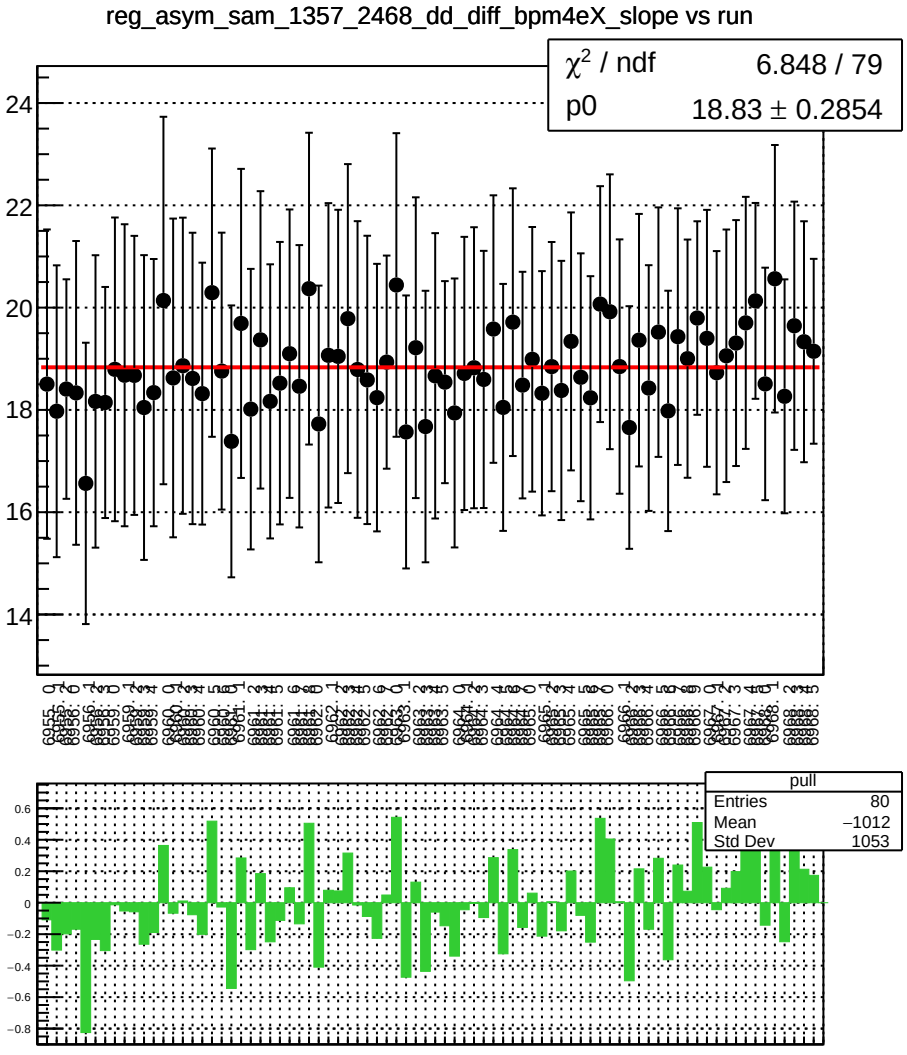


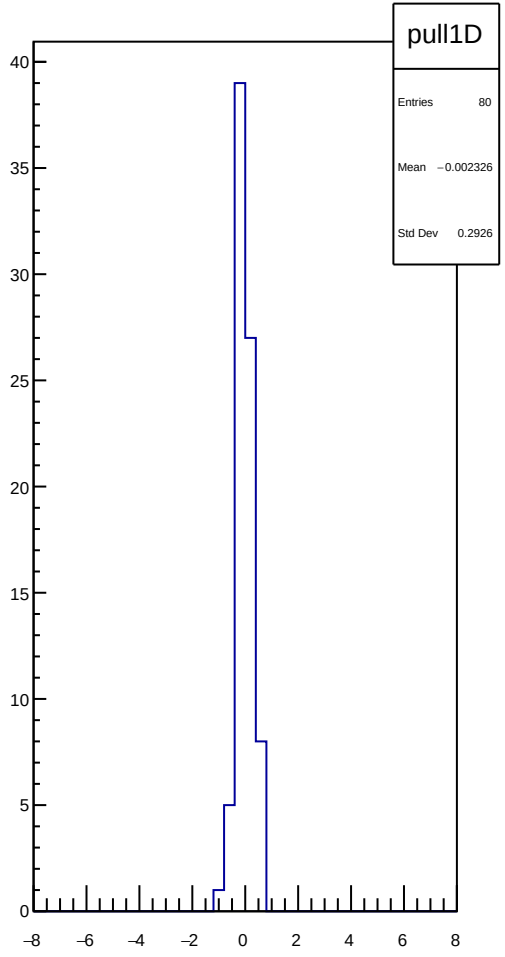


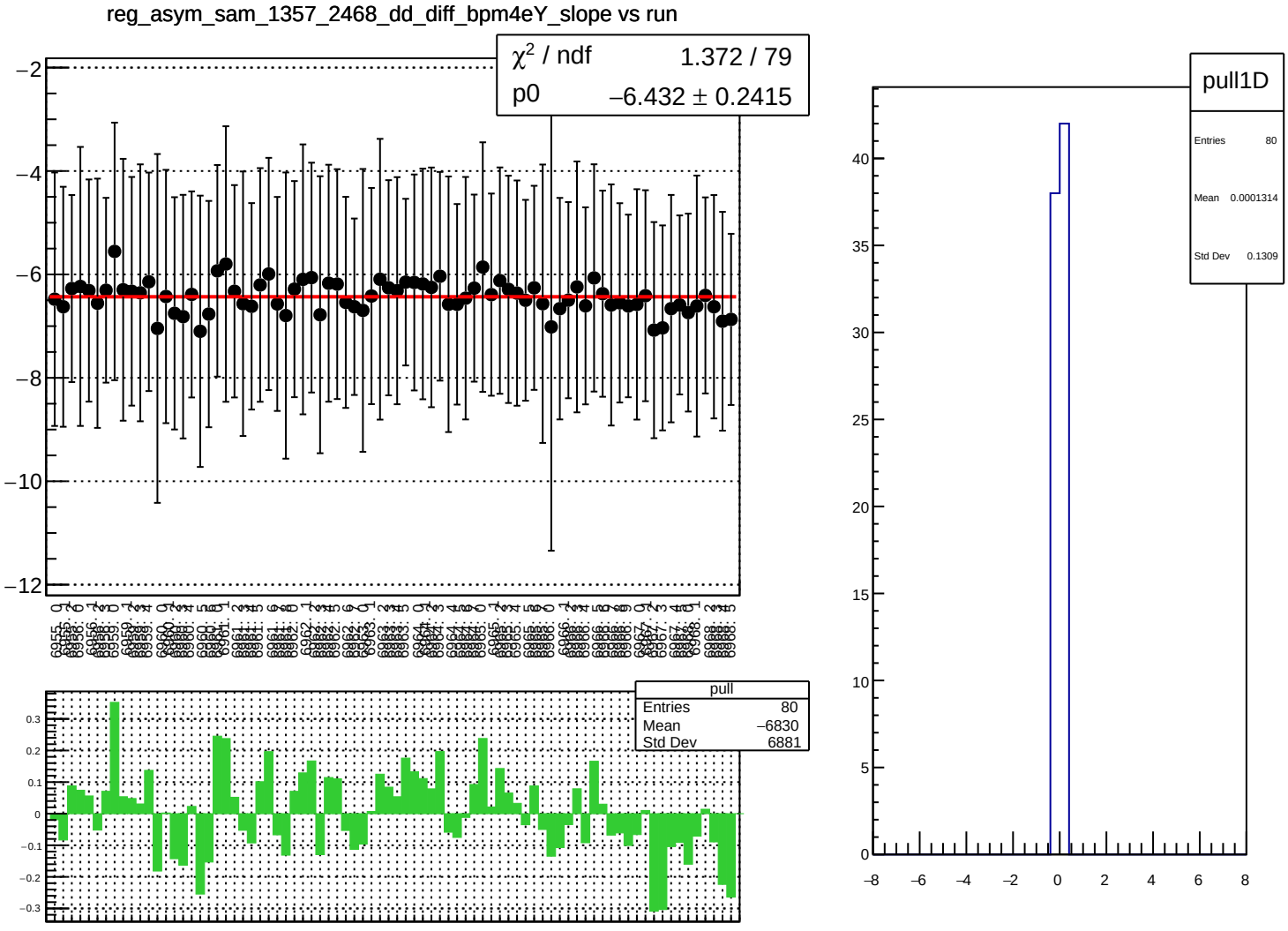
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

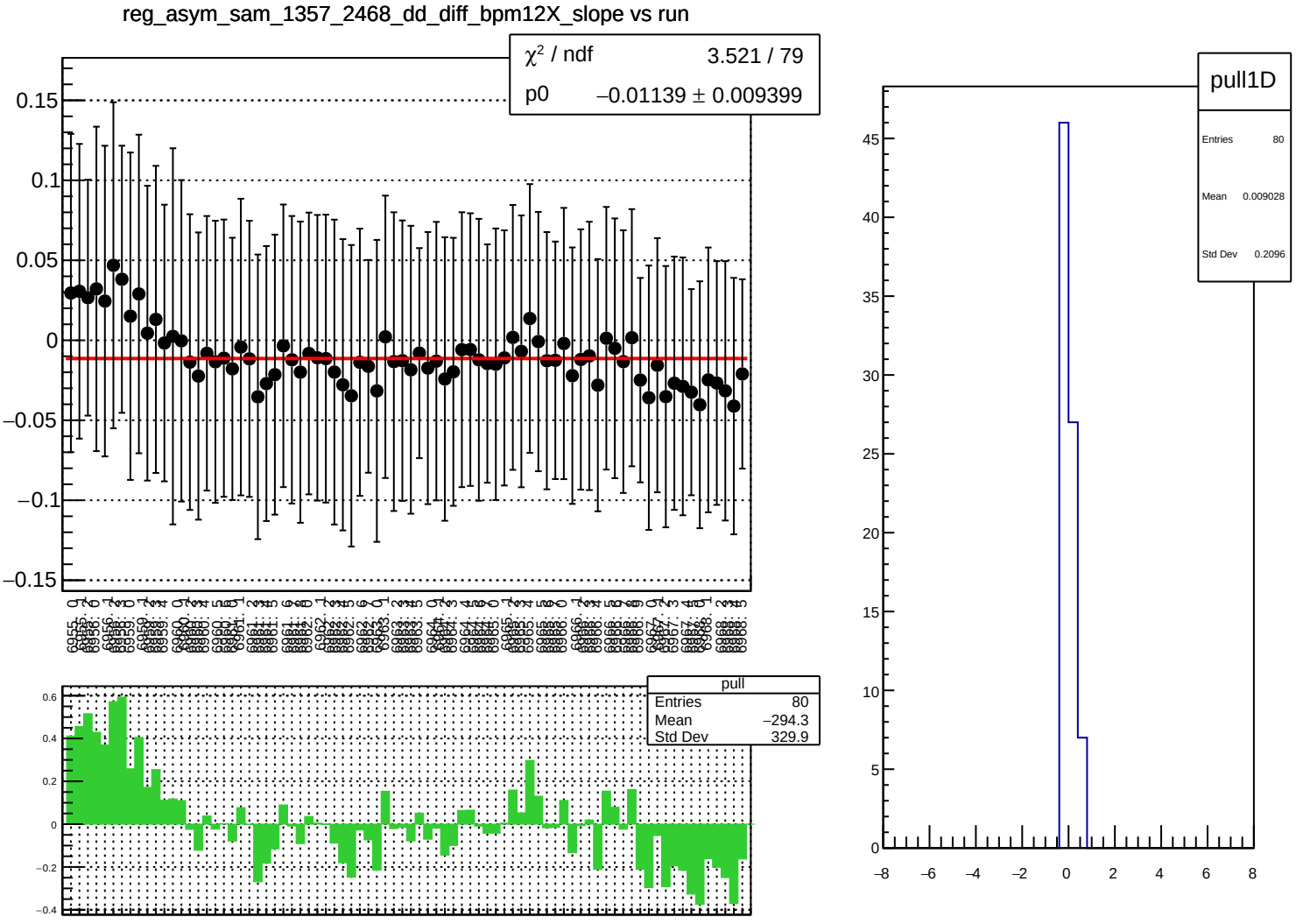


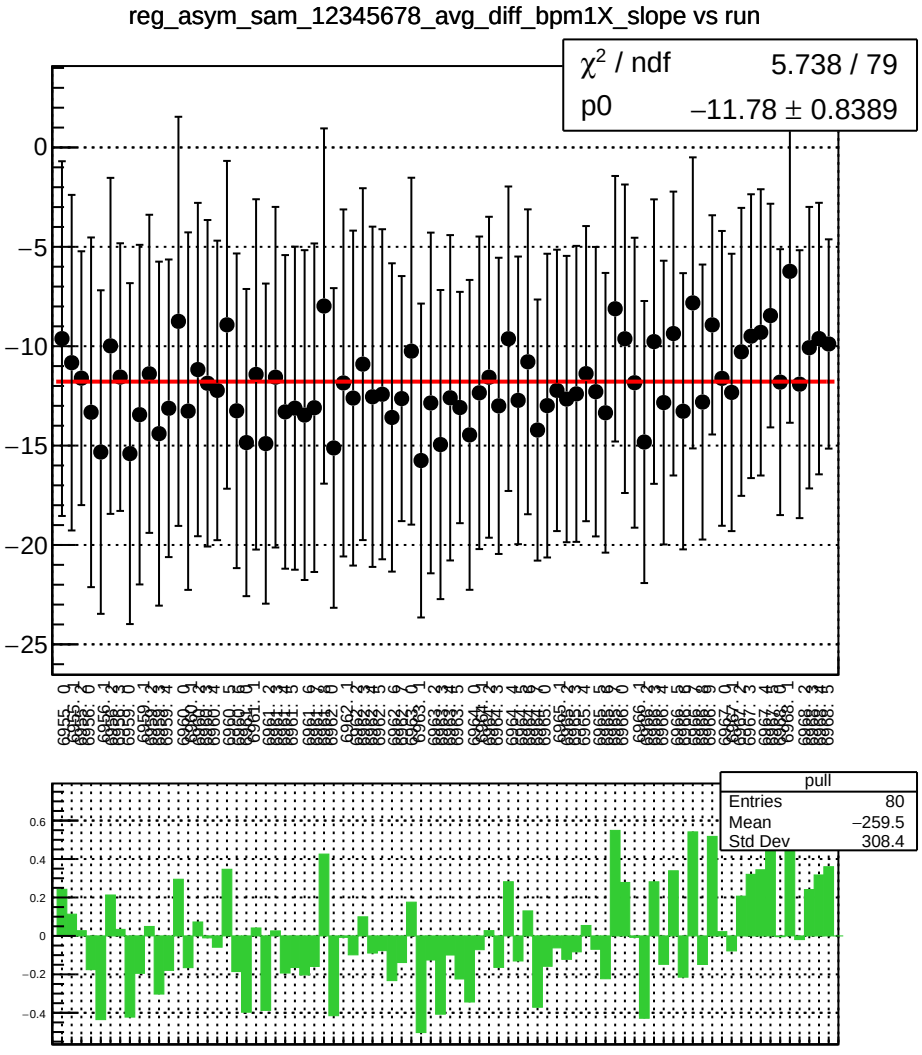


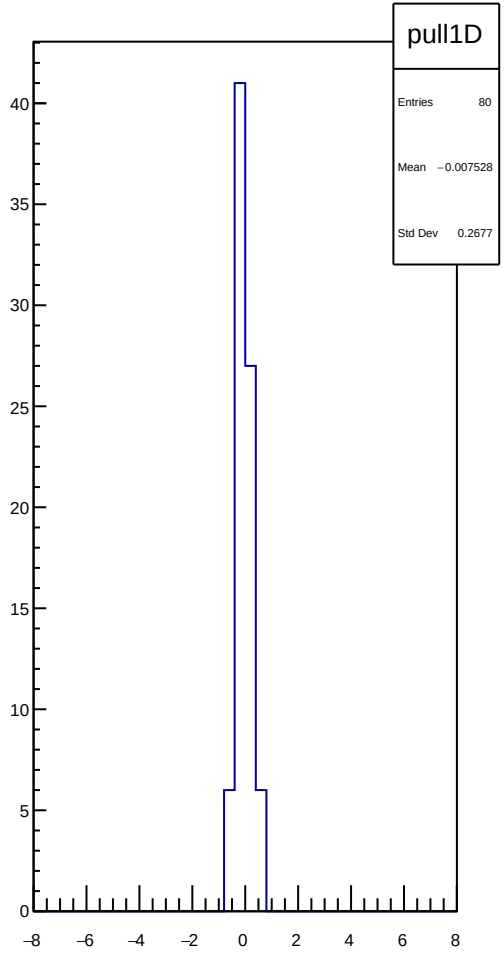

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.848 / 79
p0 18.83 ± 0.2854
pull
Entries 80
Mean −1012
Std Dev 1053

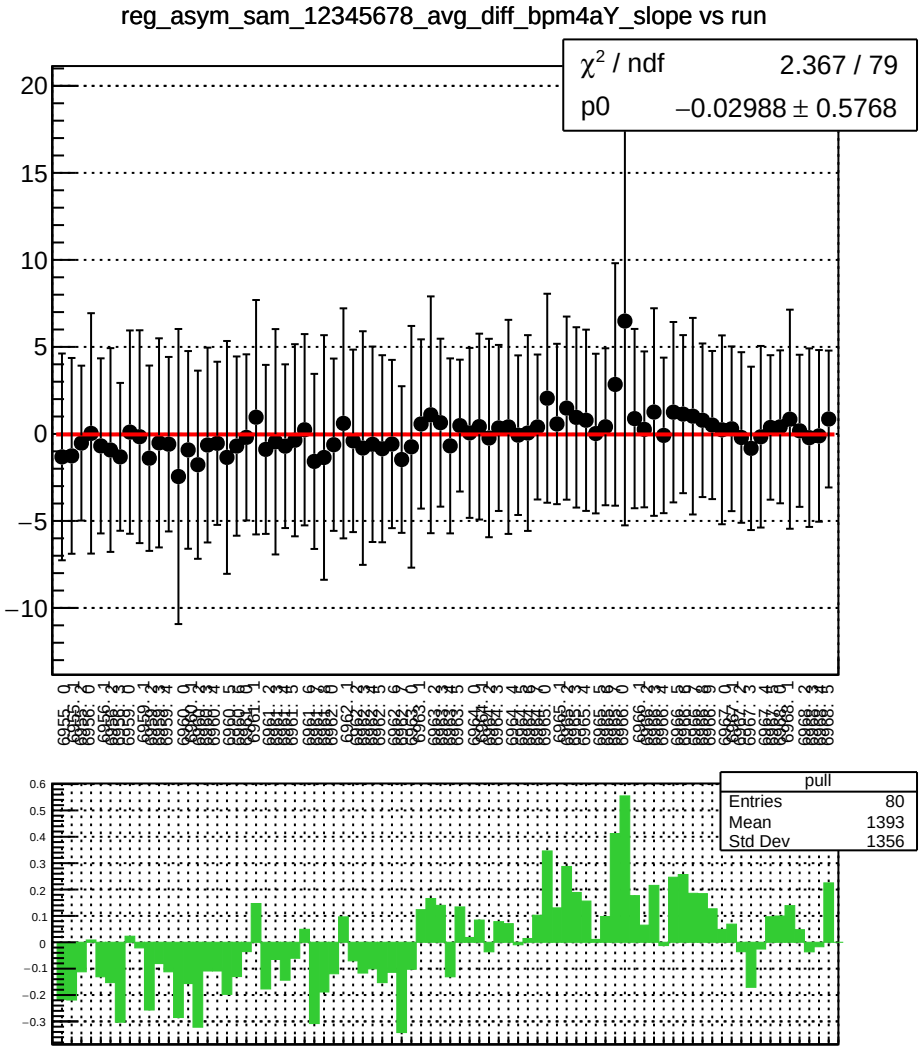

pull1D
Entries 80
Mean −0.002326
Std Dev 0.2926

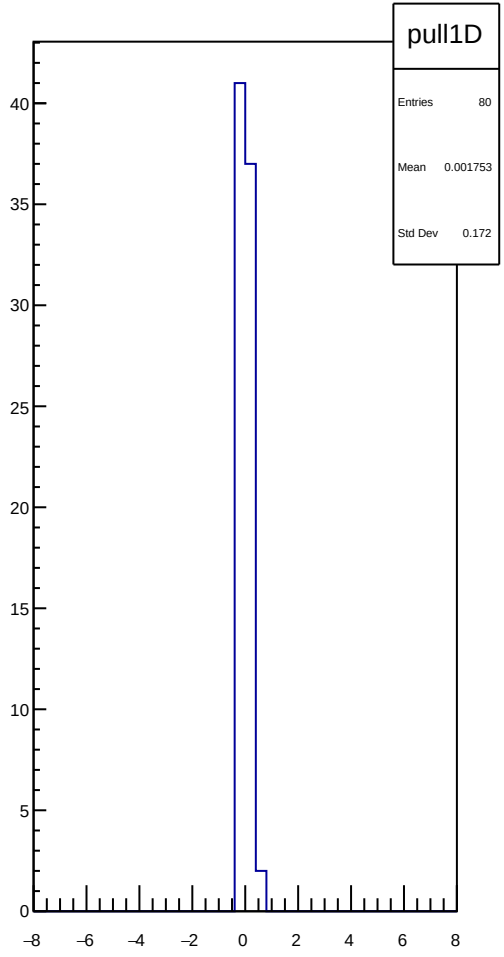

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.372 / 79
p0 −6.432 ± 0.2415
pull
Entries 80
Mean −6830
Std Dev 6881
pull1D
Entries 80
Mean 0.0001314
Std Dev 0.1309

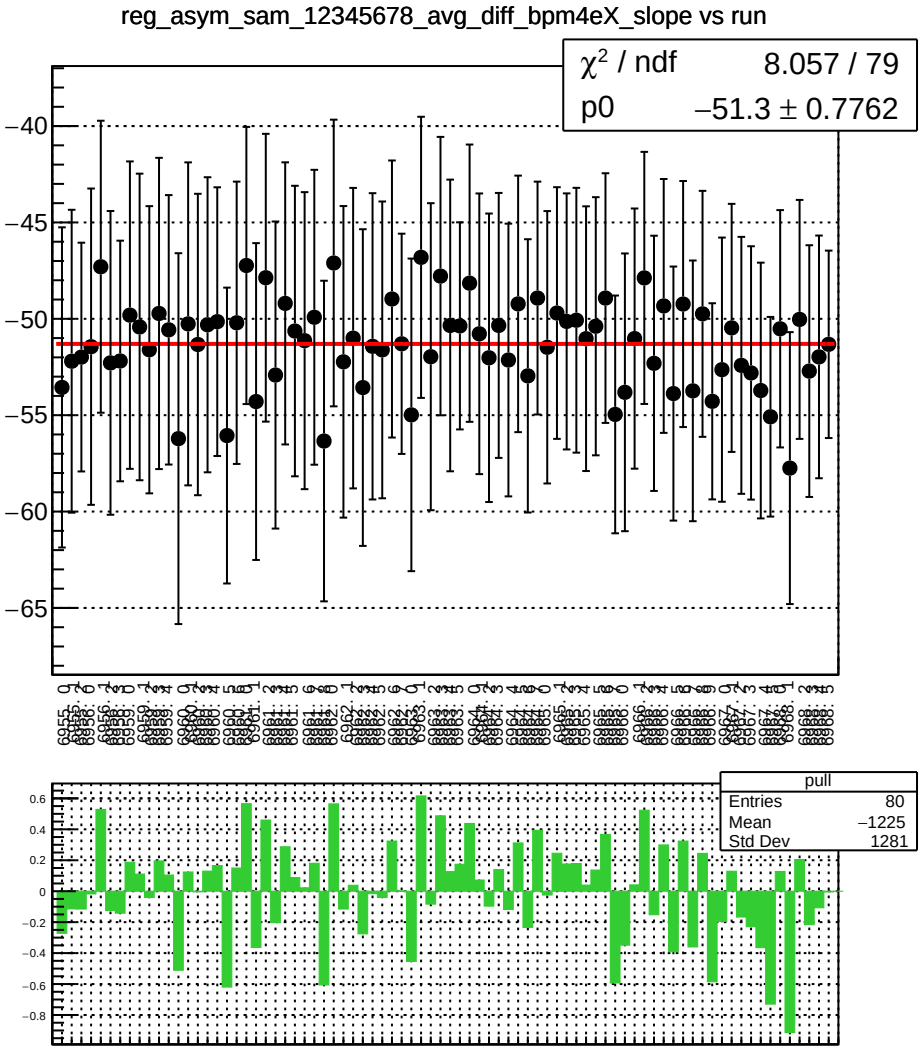

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.521 / 79
p0 −0.01139 ± 0.009399
pull
Entries 80
Mean −294.3
Std Dev 329.9
pull1D
Entries 80
Mean 0.009028
Std Dev 0.2096

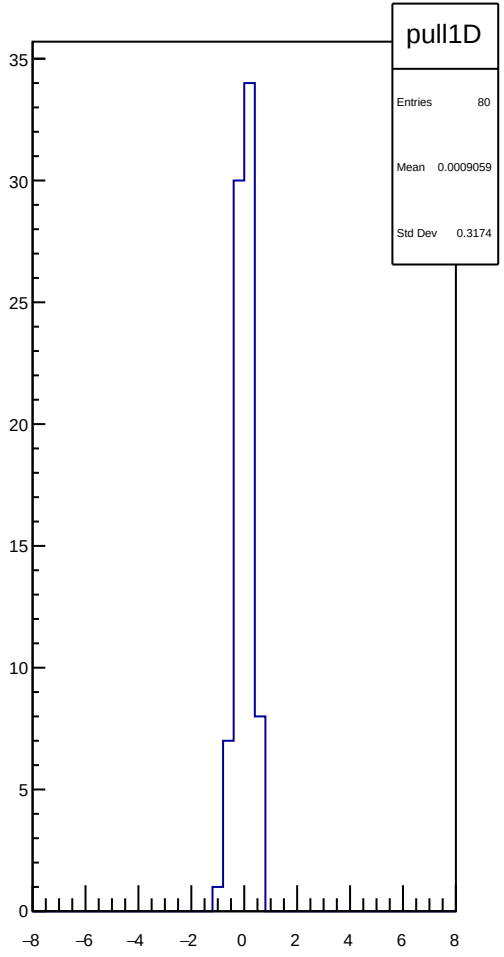

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 5.738 / 79
p0 −11.78 ± 0.8389
pull
Entries 80
Mean −259.5
Std Dev 308.4

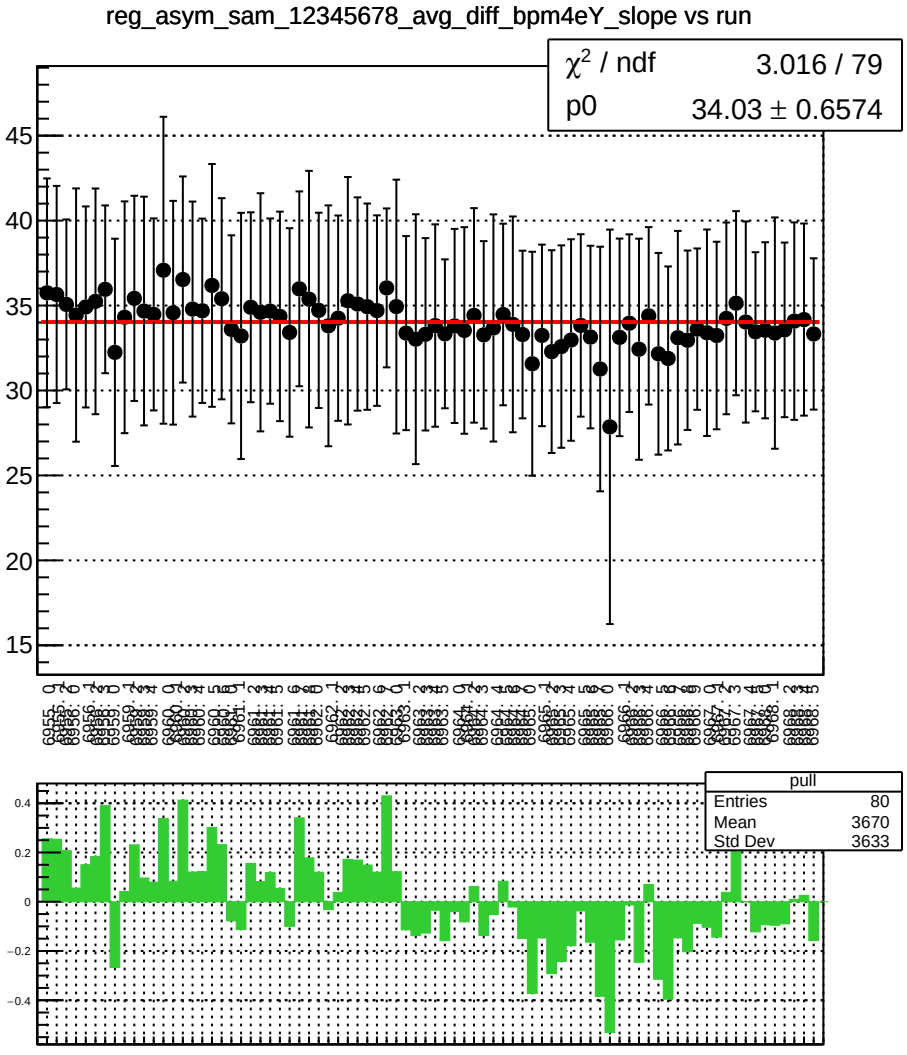

pull1D
Entries 80
Mean −0.007528
Std Dev 0.2677

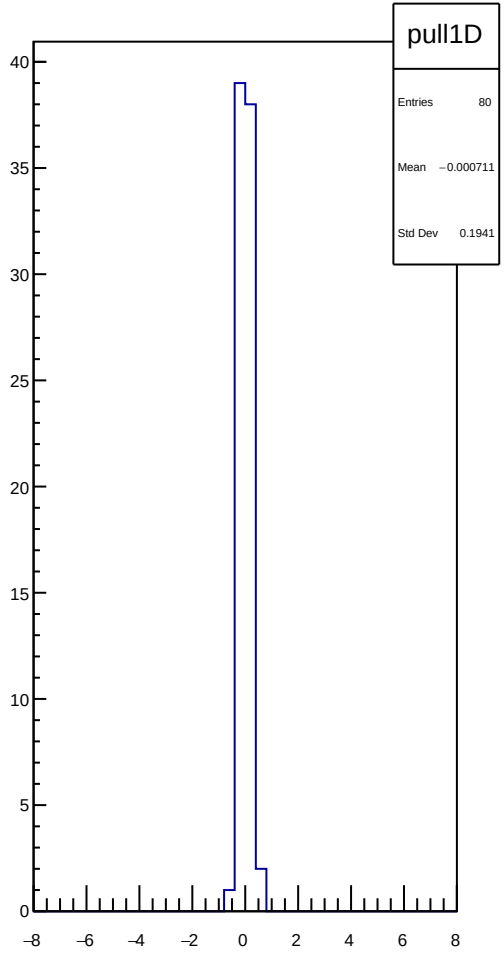

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.367 / 79
p0 −0.02988 ± 0.5768
pull
Entries 80
Mean 1393
Std Dev 1356

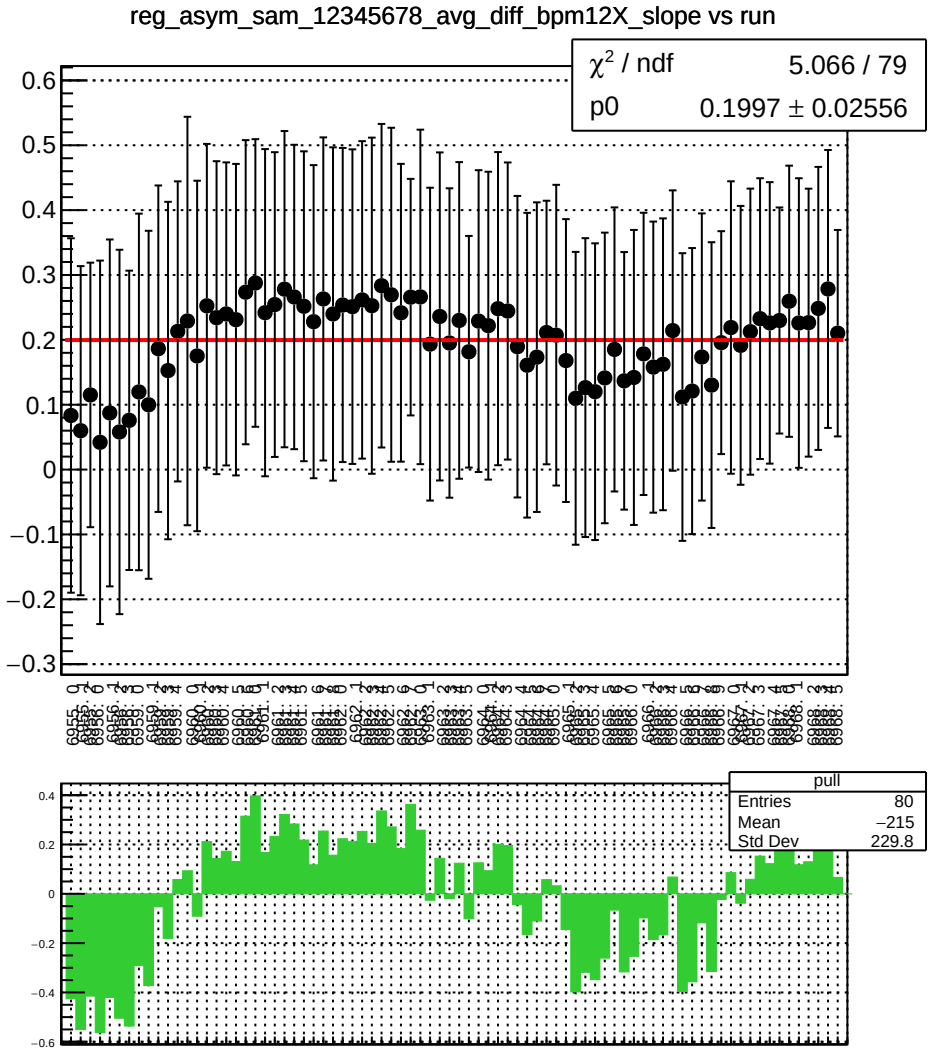

pull1D
Entries 80
Mean 0.001753
Std Dev 0.172

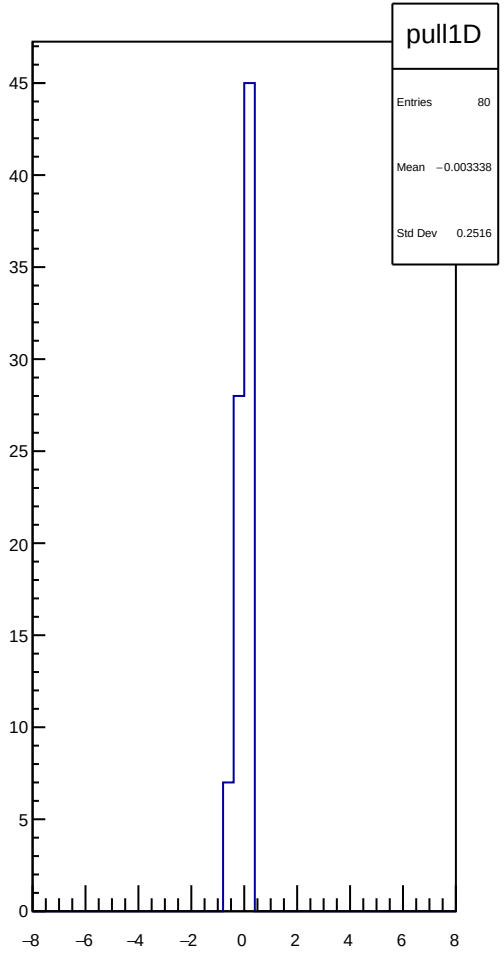

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.057 / 79
p0 −51.3 ± 0.7762
pull
Entries 80
Mean −1225
Std Dev 1281

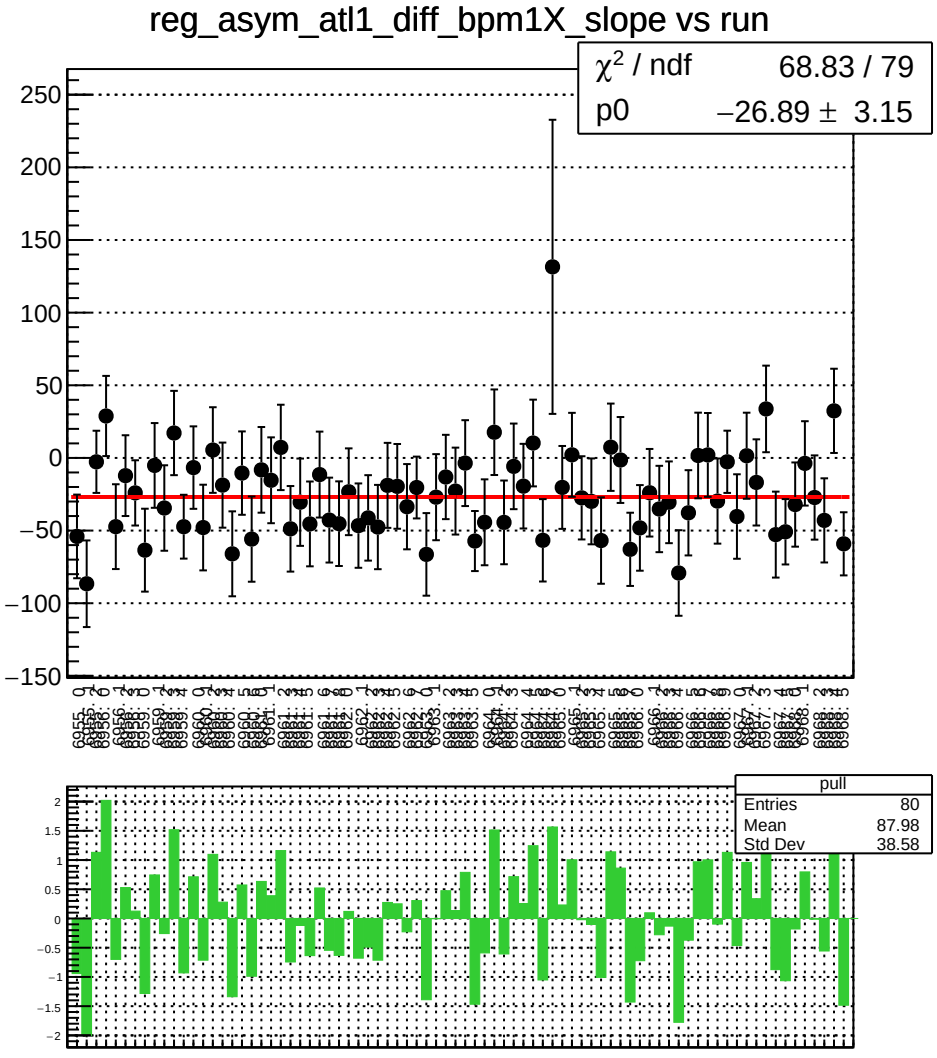

pull1D
Entries 80
Mean 0.0009059
Std Dev 0.3174

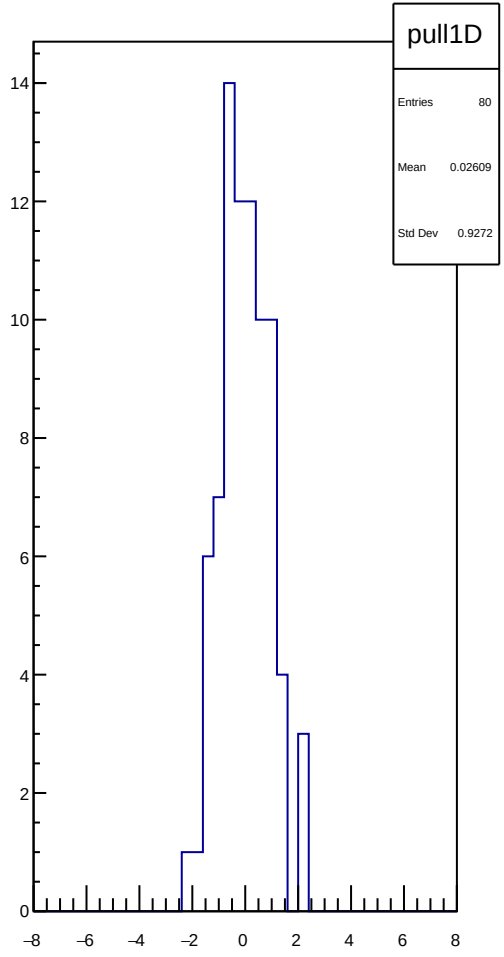

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.016 / 79
p0 34.03 ± 0.6574
pull
Entries 80
Mean 3670
Std Dev 3633

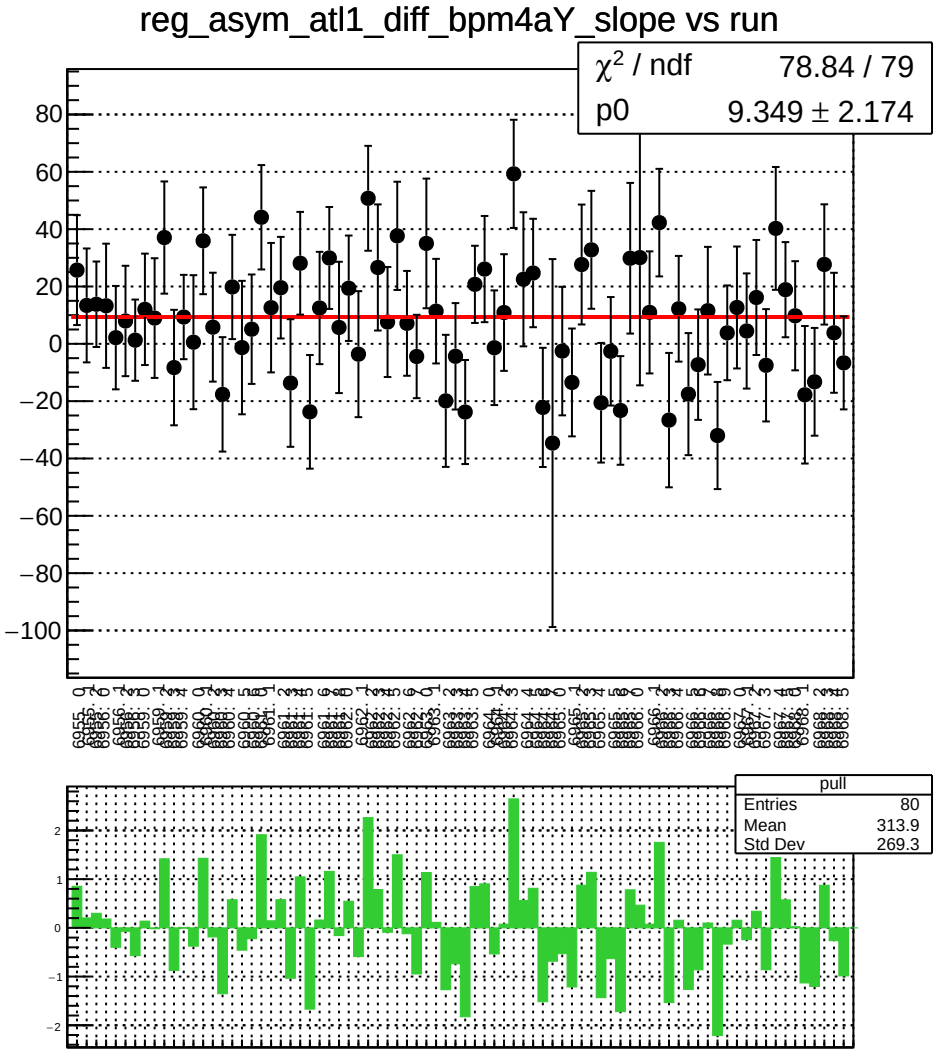

pull1D
Entries 80
Mean −0.000711
Std Dev 0.1941

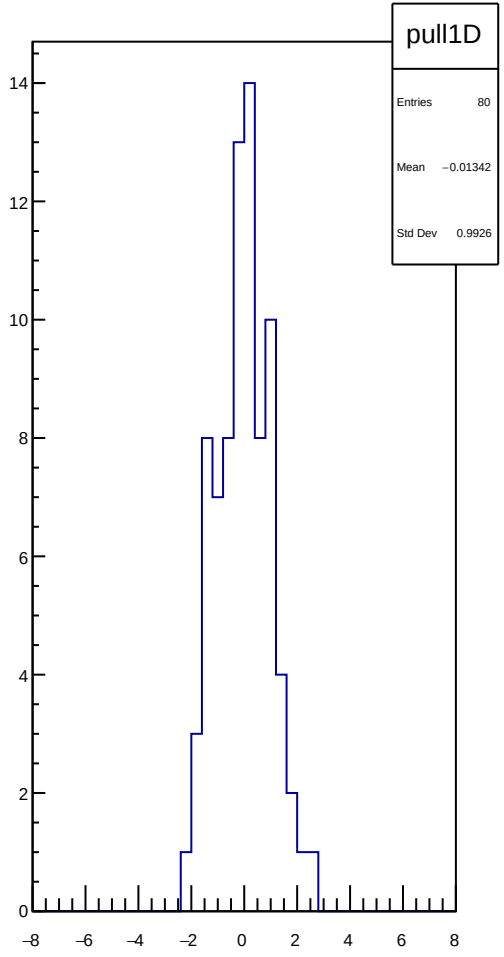

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 5.066 / 79
p0 0.1997 ± 0.02556
pull
Entries 80
Mean −215
Std Dev 229.8

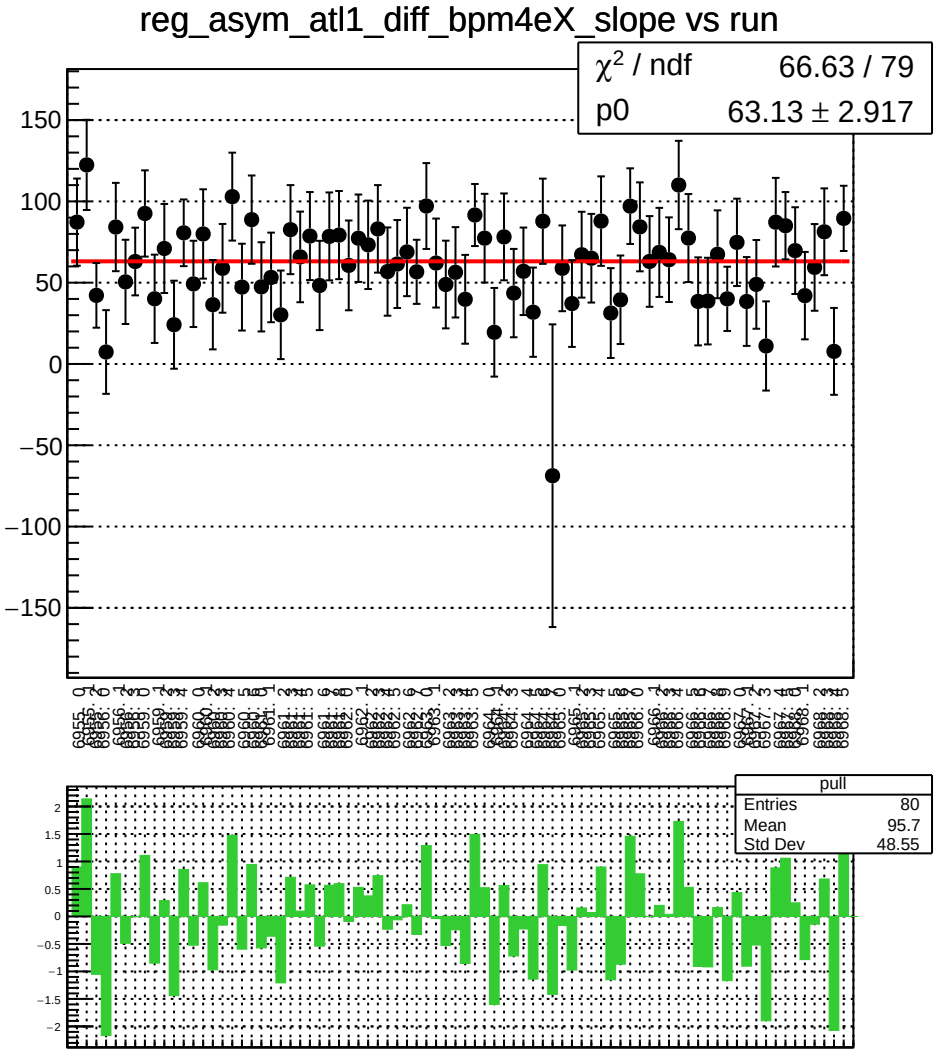

pull1D
Entries 80
Mean −0.003338
Std Dev 0.2516

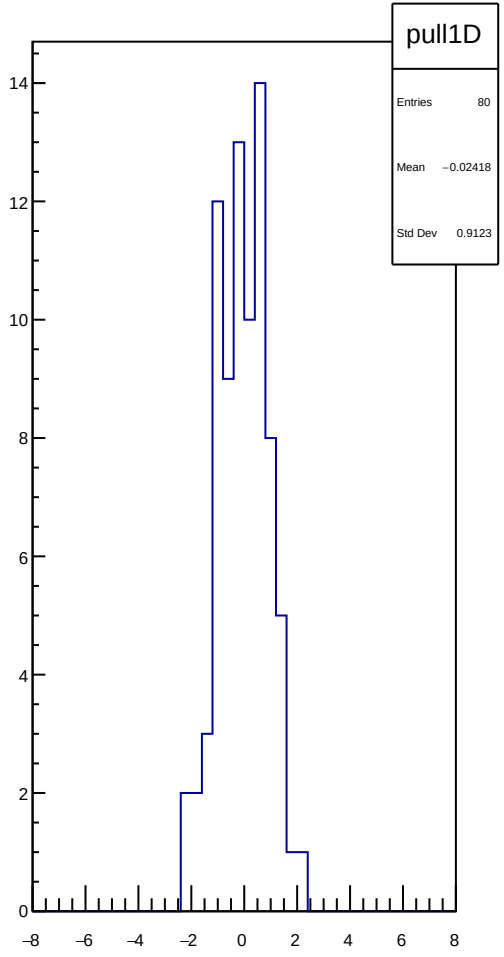

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 68.83 / 79
p0 −26.89 ± 3.15
pull
Entries 80
Mean 87.98
Std Dev 38.58

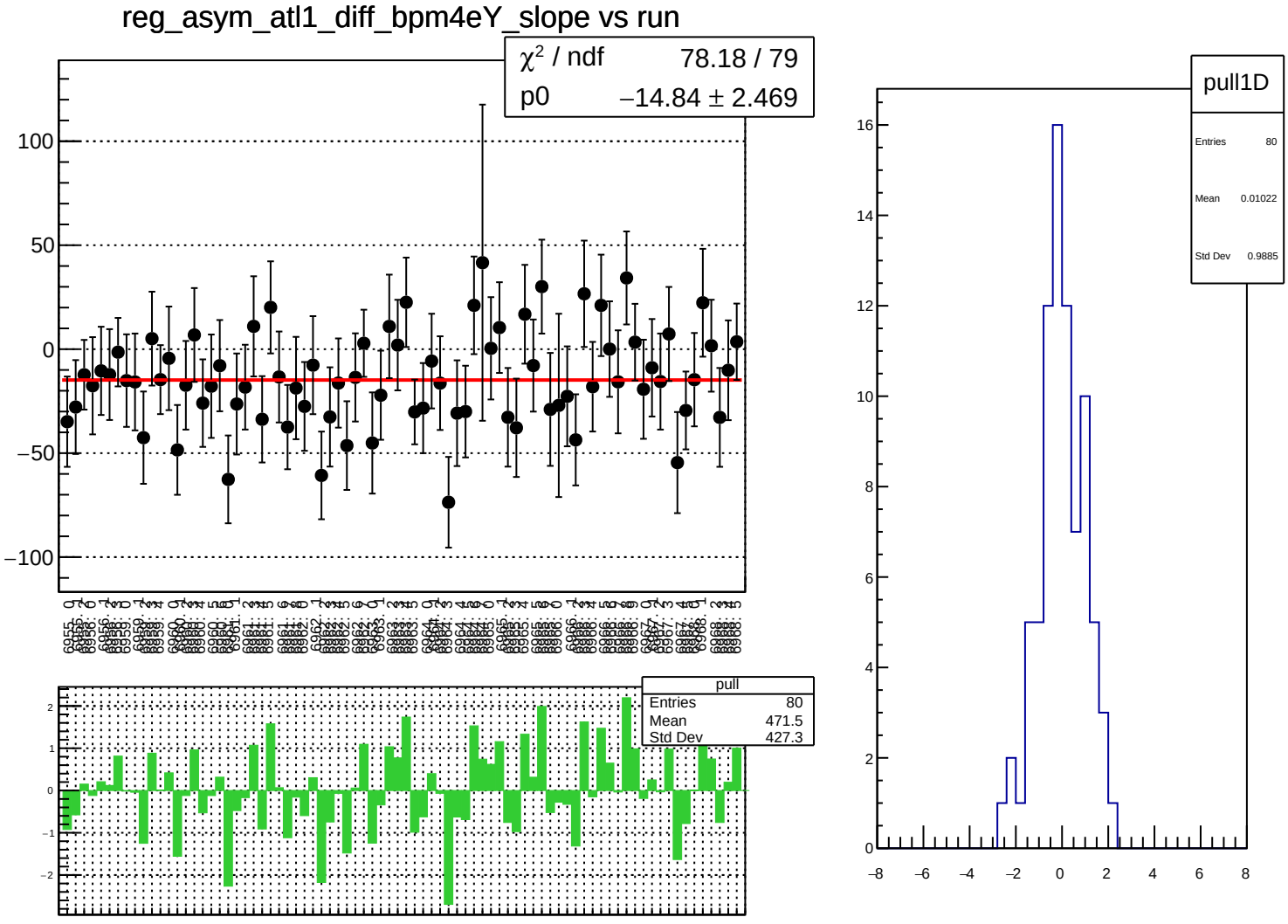

pull1D
Entries 80
Mean 0.02609
Std Dev 0.9272

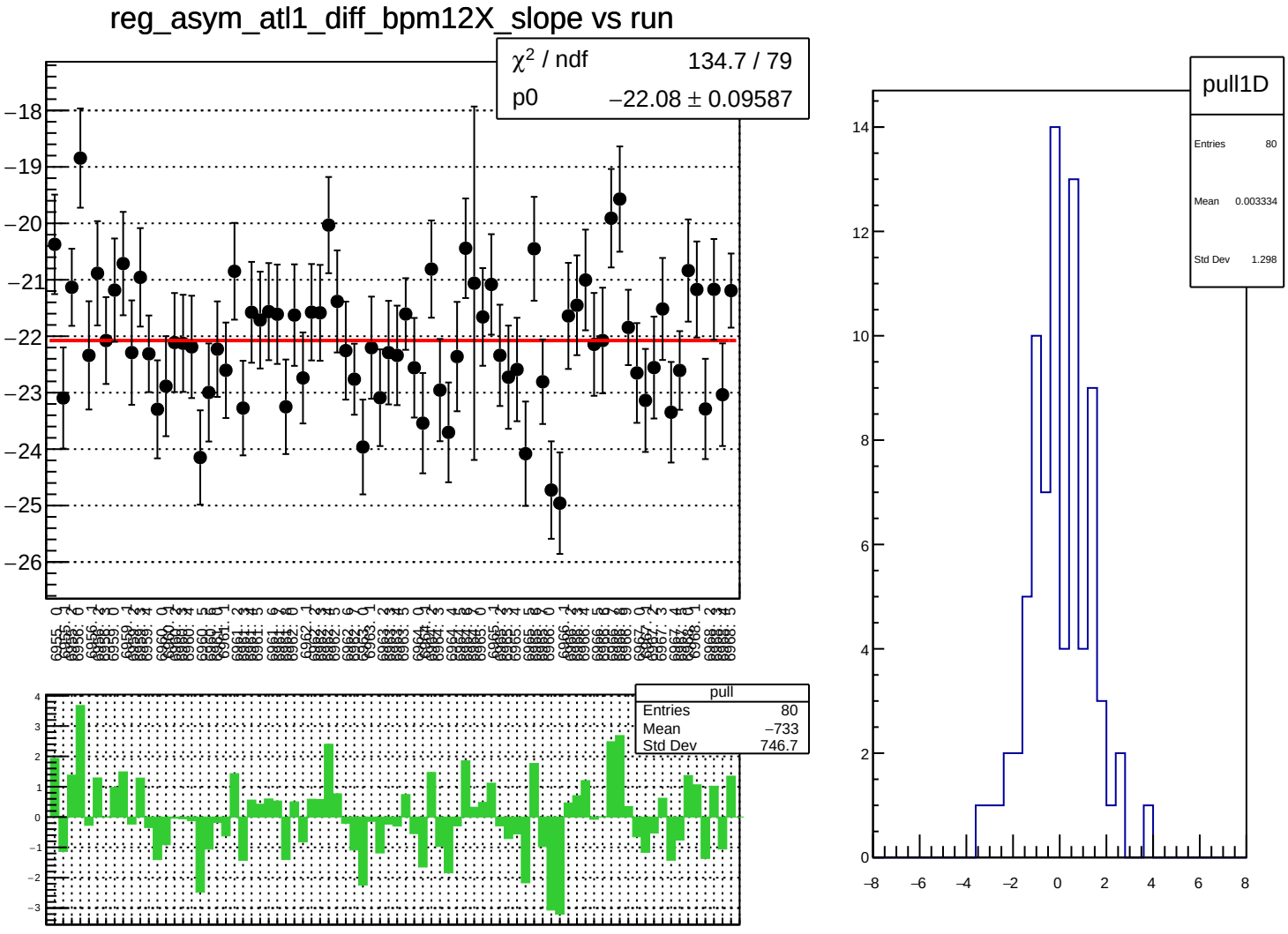

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 78.84 / 79
p0 9.349 ± 2.174
pull
Entries 80
Mean 313.9
Std Dev 269.3

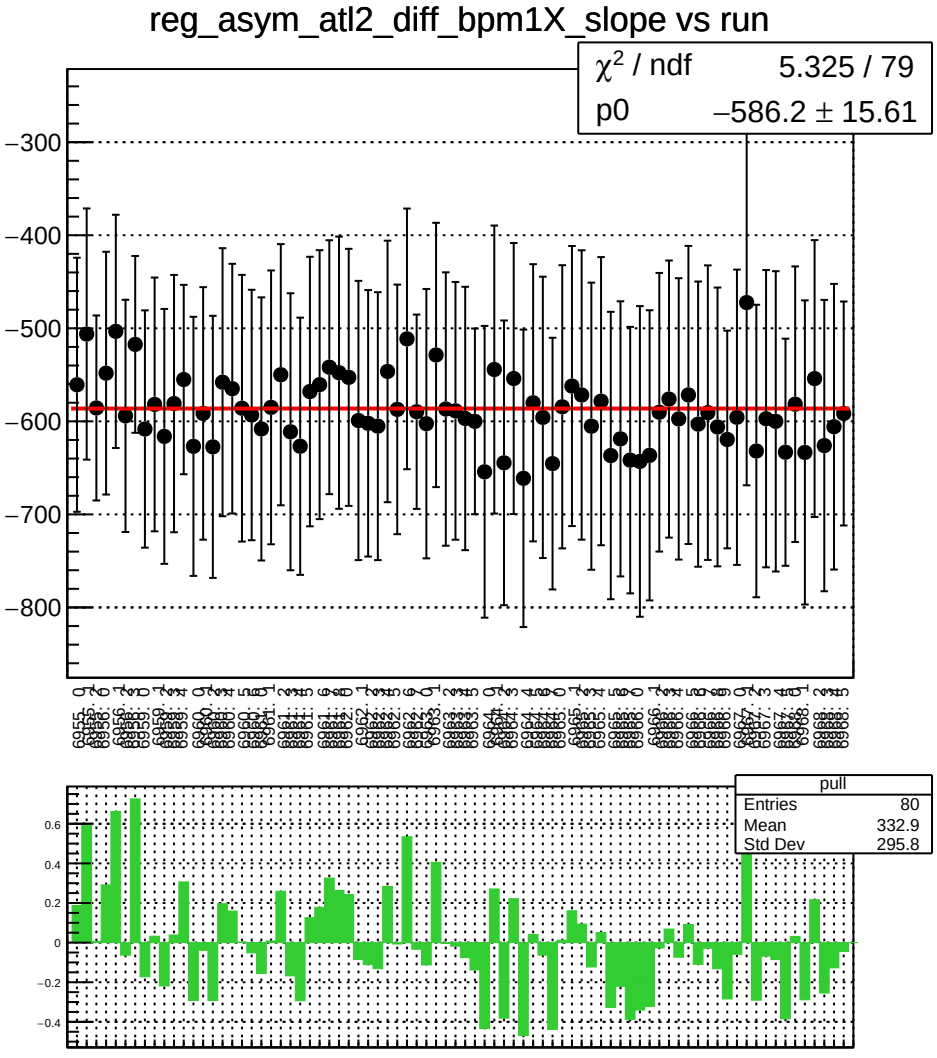

pull1D
Entries 80
Mean −0.01342
Std Dev 0.9926

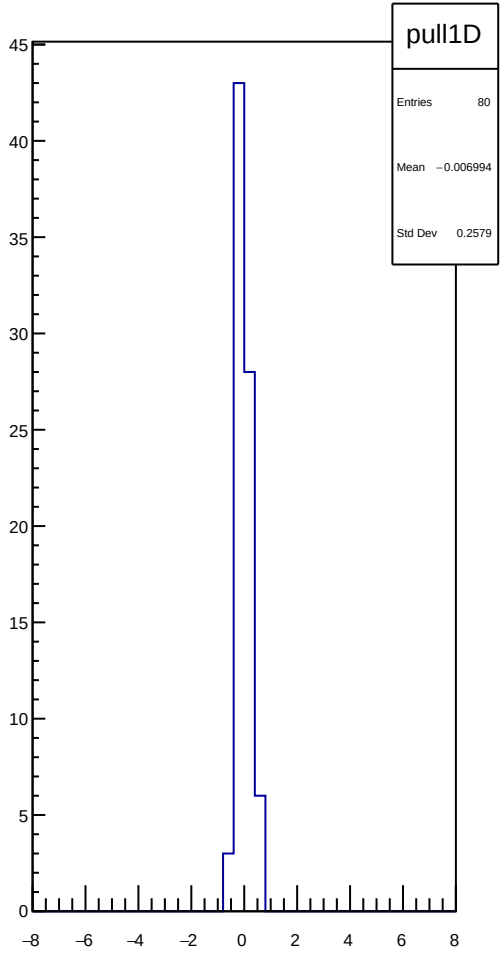

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 66.63 / 79
p0 63.13 ± 2.917
pull
Entries 80
Mean 95.7
Std Dev 48.55

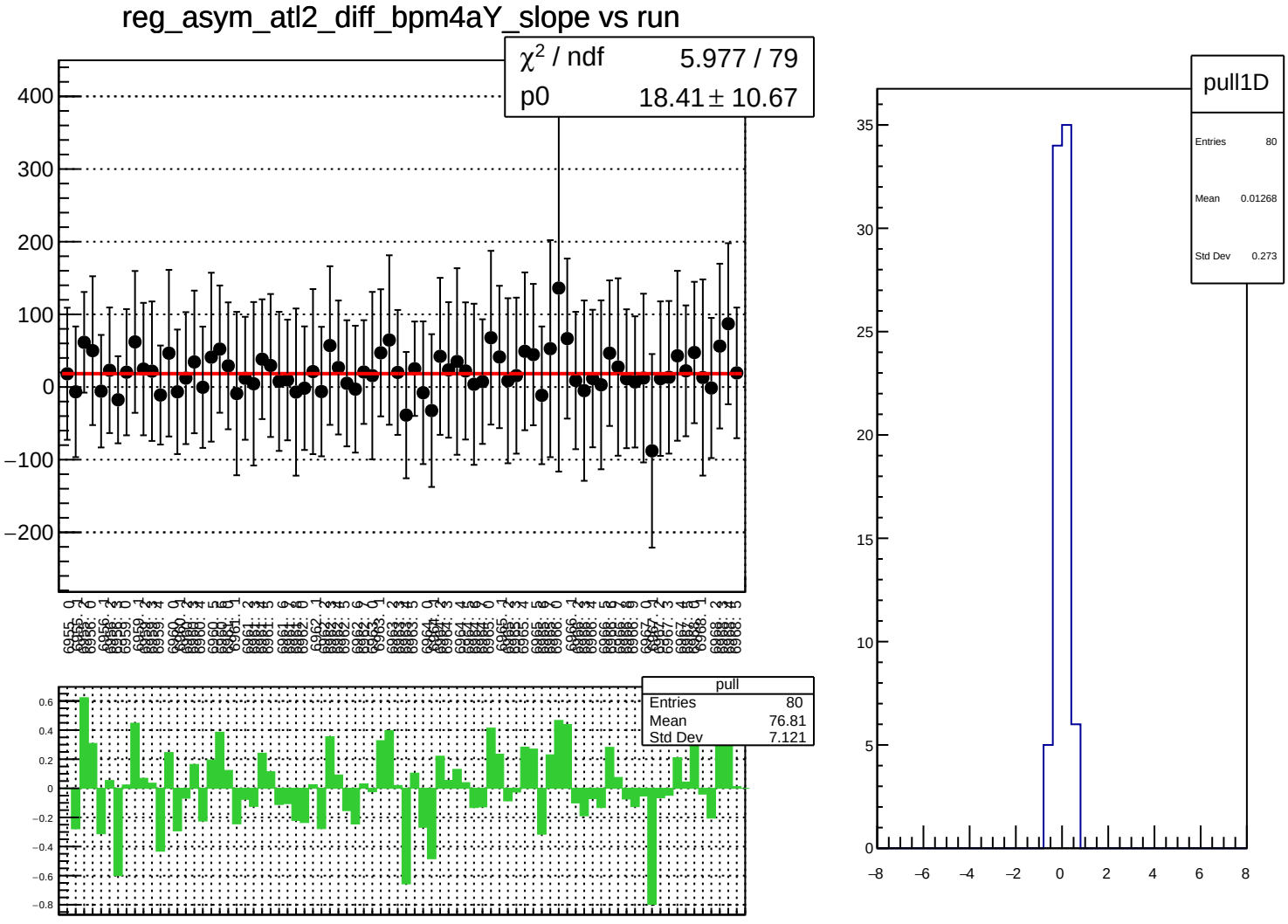

pull1D
Entries 80
Mean −0.02418
Std Dev 0.9123

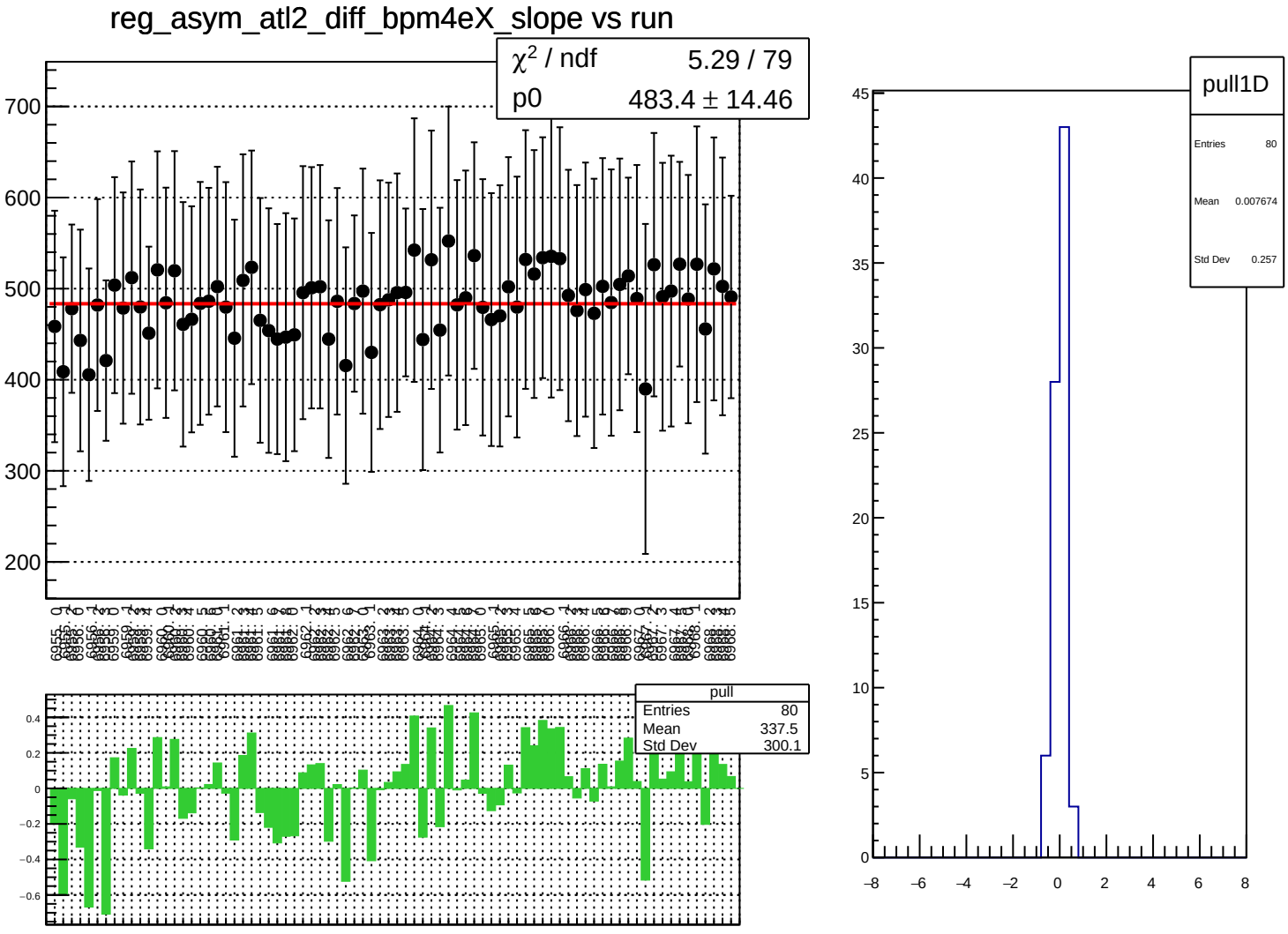

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 78.18 / 79
p0 −14.84 ± 2.469
pull
Entries 80
Mean 471.5
Std Dev 427.3
pull1D
Entries 80
Mean 0.01022
Std Dev 0.9885

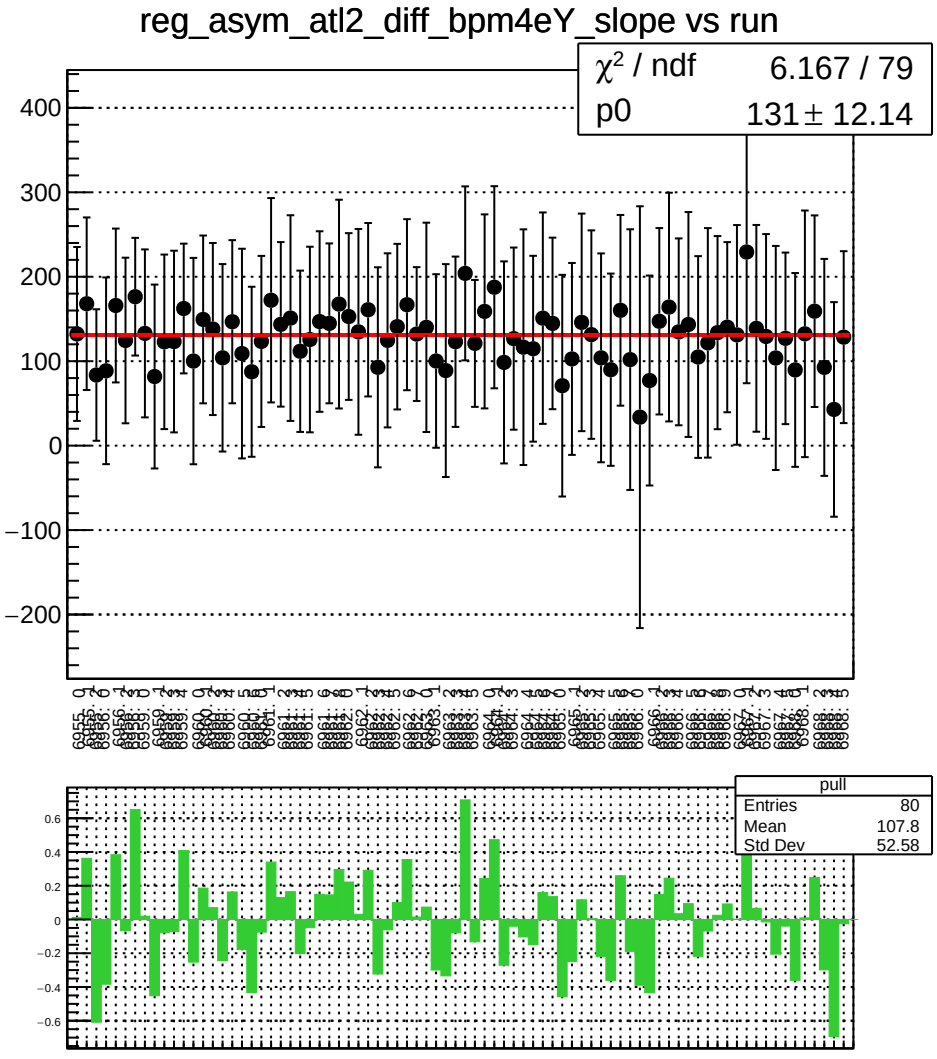

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 134.7 / 79
p0 −22.08 ± 0.09587
pull
Entries 80
Mean −733
Std Dev 746.7
pull1D
Entries 80
Mean 0.003334
Std Dev 1.298

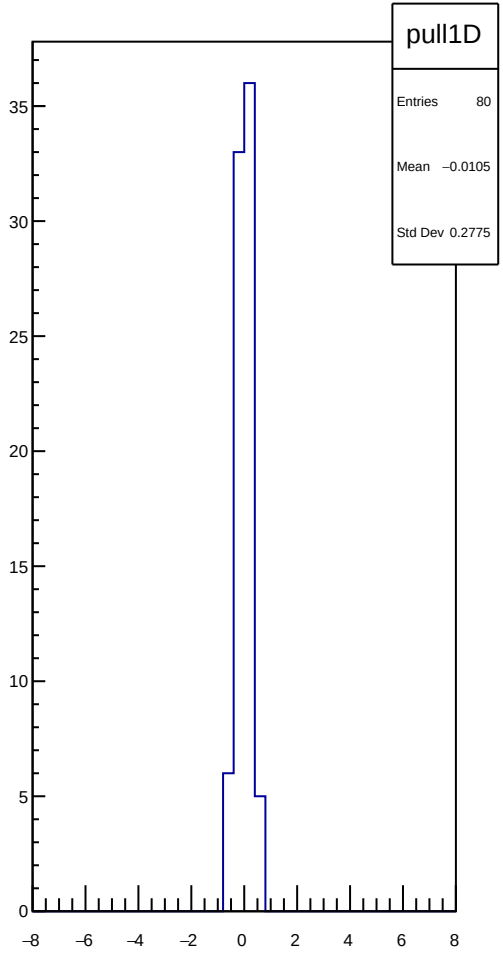

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 5.325 / 79
p0 −586.2 ± 15.61
pull
Entries 80
Mean 332.9
Std Dev 295.8

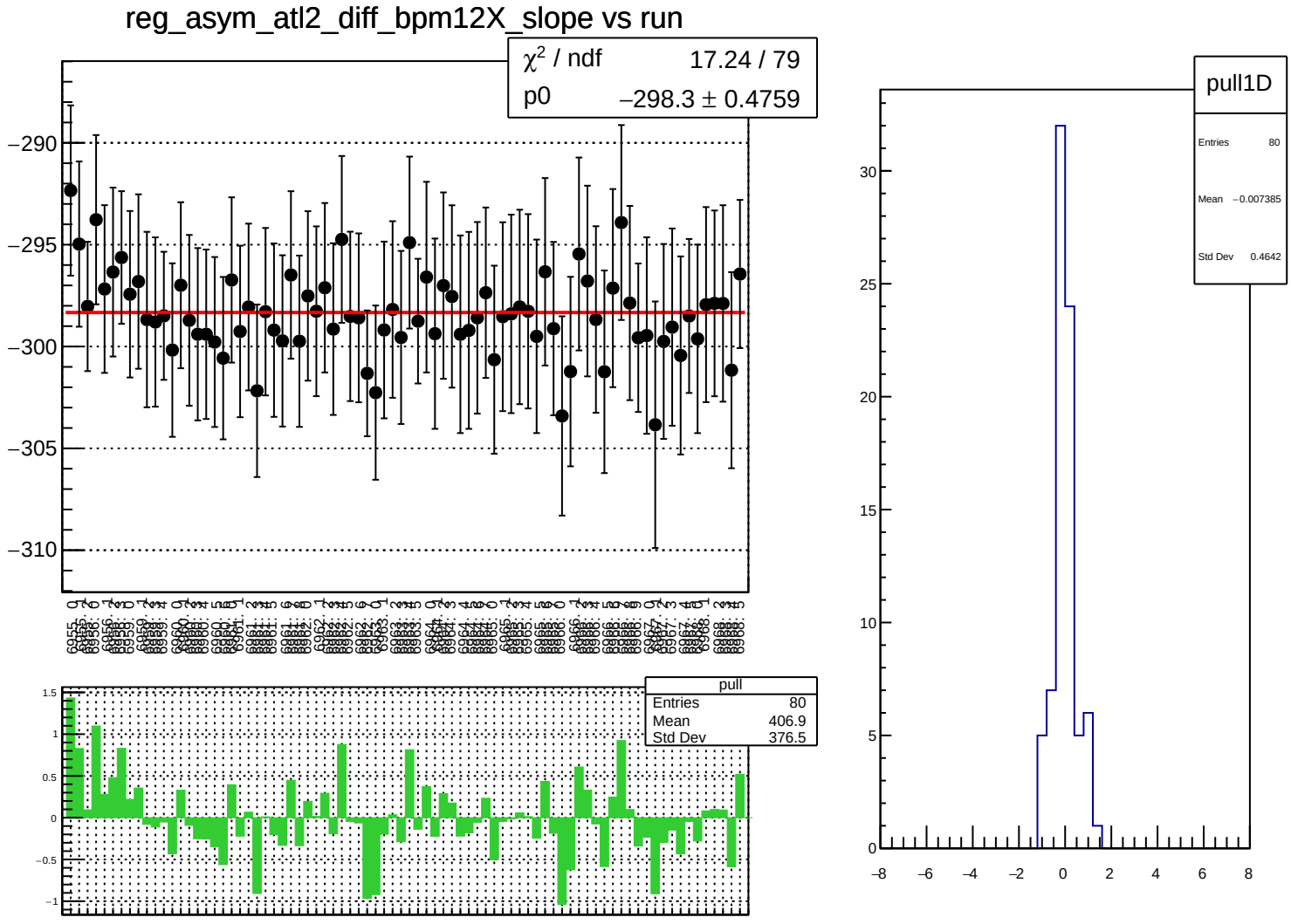

pull1D
Entries 80
Mean −0.006994
Std Dev 0.2579

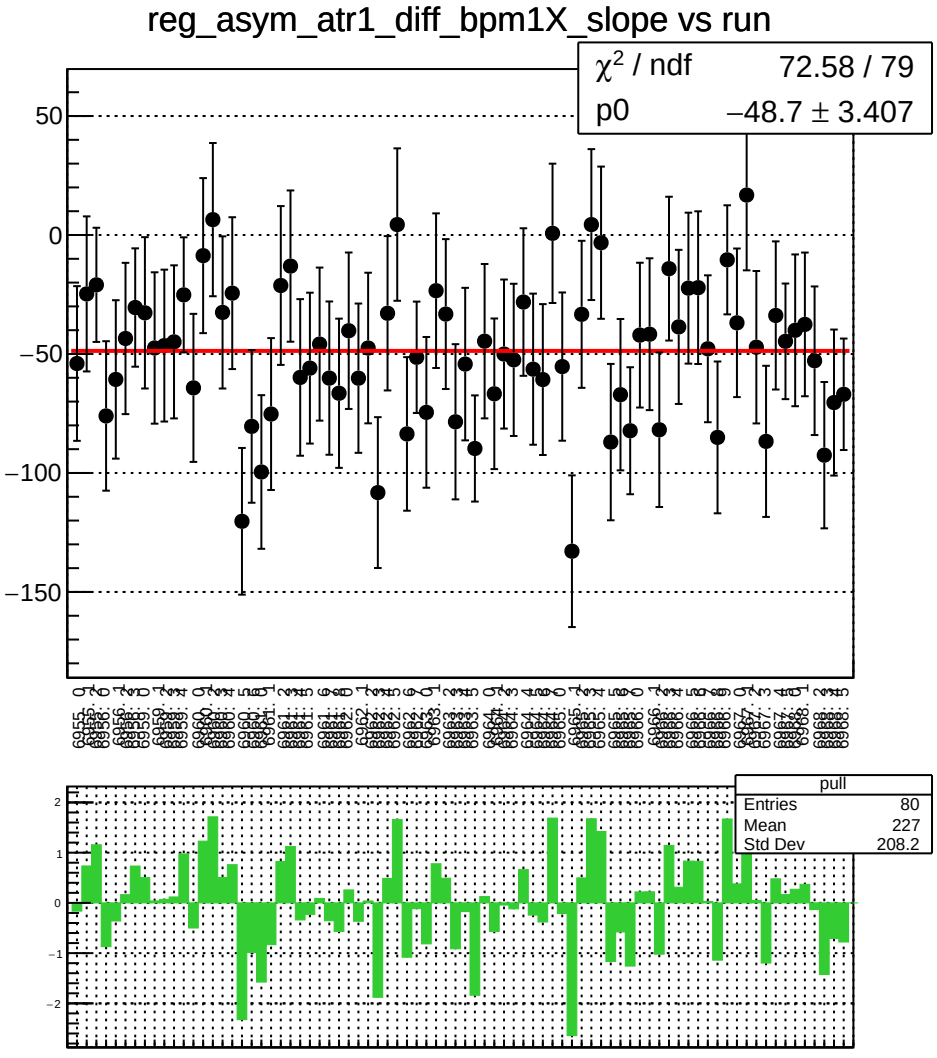

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.977 / 79
p0 18.41 ± 10.67
pull
Entries 80
Mean 76.81
Std Dev 7.121
pull1D
Entries 80
Mean 0.01268
Std Dev 0.273

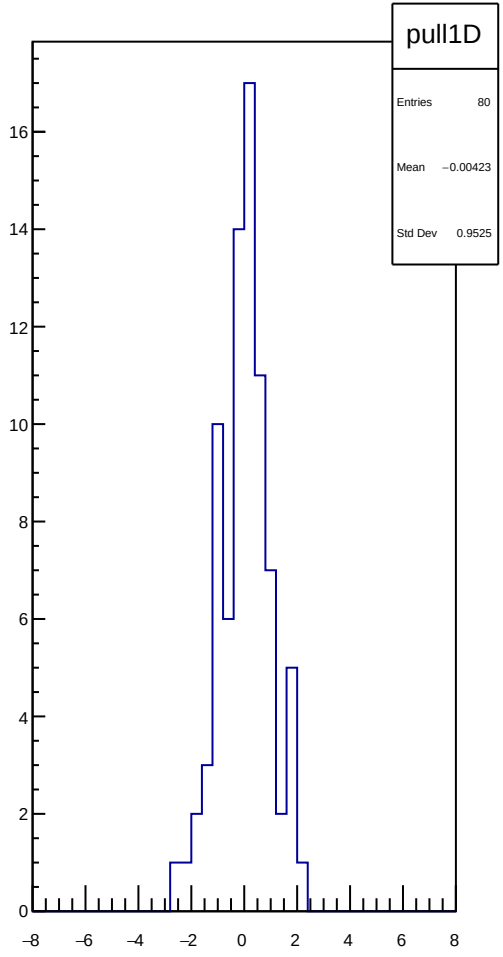

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 5.29 / 79
p0 483.4 ± 14.46
pull
Entries 80
Mean 337.5
Std Dev 300.1
pull1D
Entries 80
Mean 0.007674
Std Dev 0.257

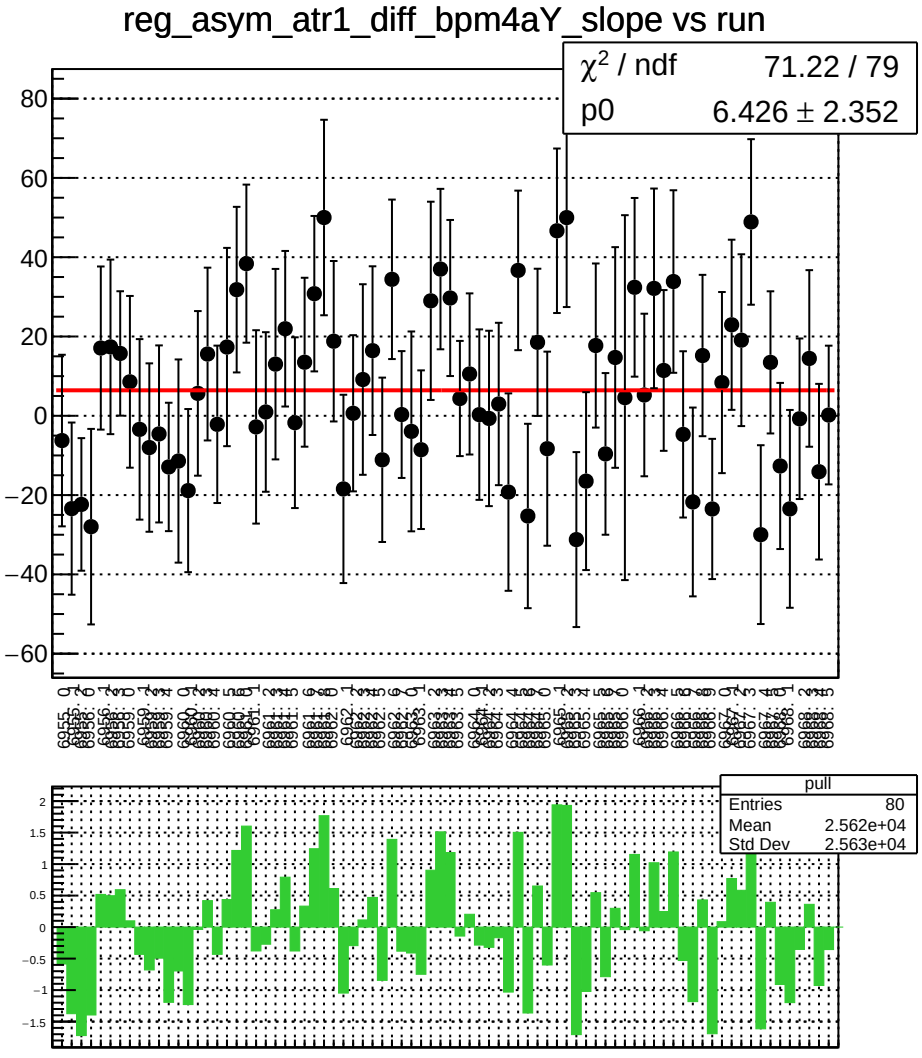

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 6.167 / 79
p0 131 ± 12.14
pull
Entries 80
Mean 107.8
Std Dev 52.58

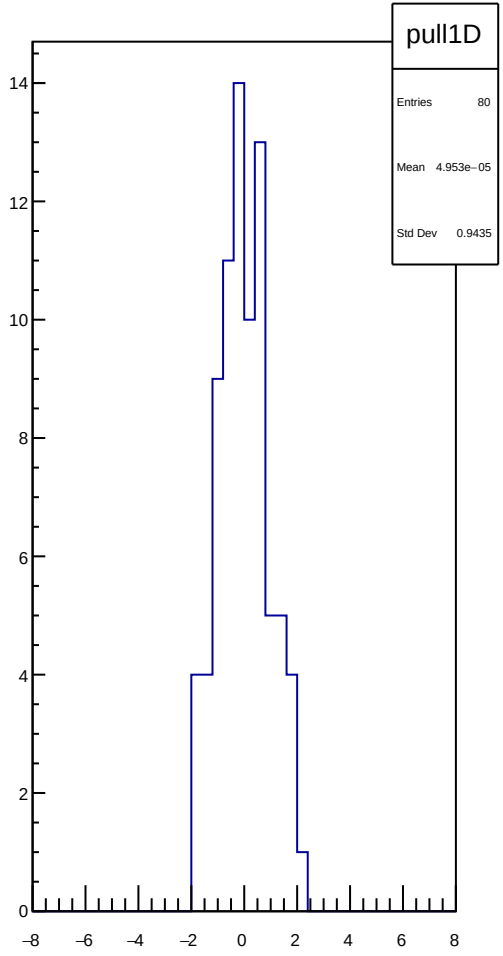

pull1D
Entries 80
Mean −0.0105
Std Dev 0.2775

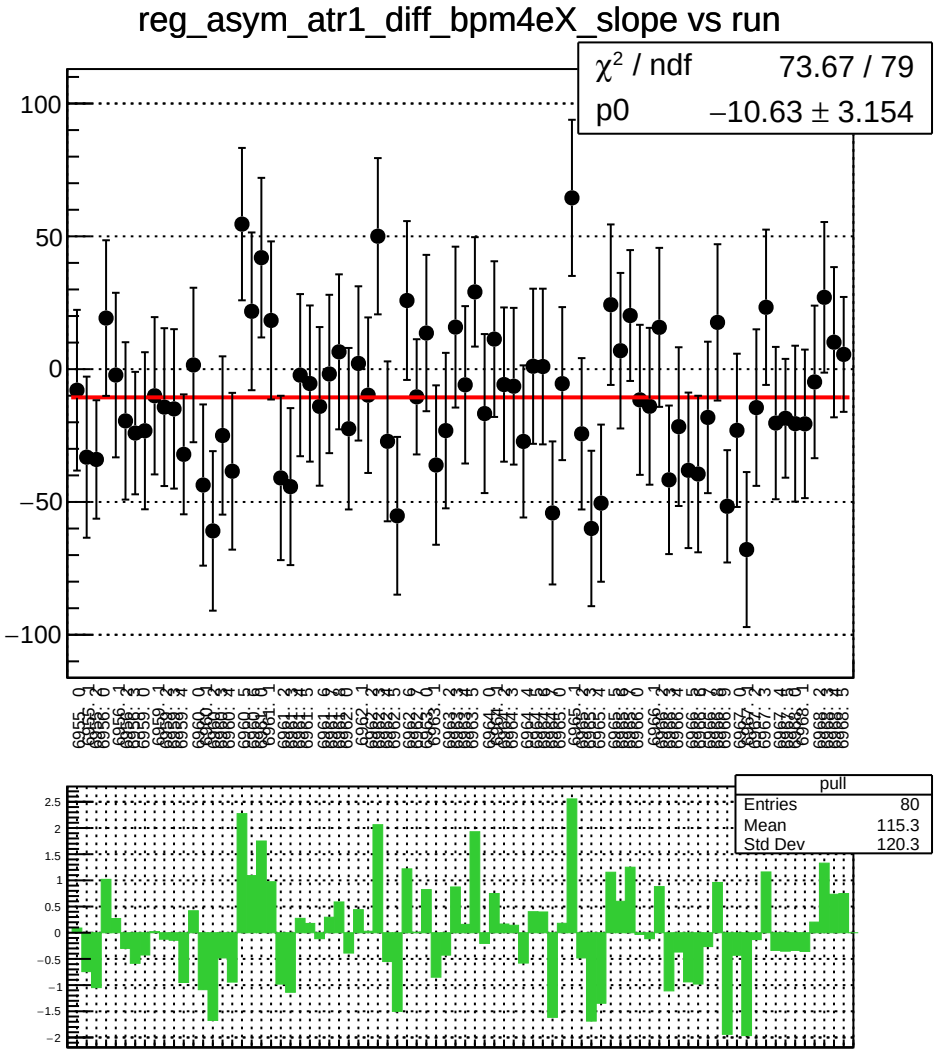

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 17.24 / 79
p0 −298.3 ± 0.4759
−290
−295
−300
−305
−310
pull
Entries 80
Mean 406.9
Std Dev 376.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.007385
Std Dev 0.4642
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

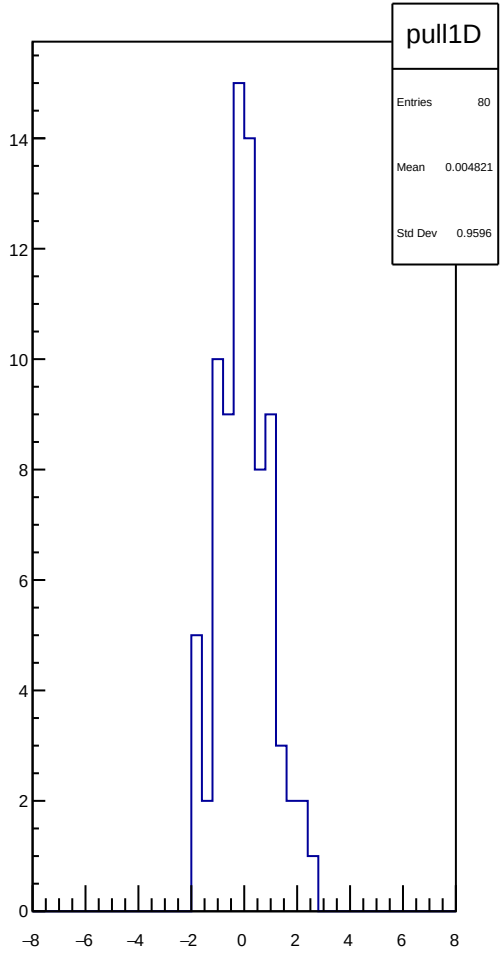

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 72.58 / 79
p0 −48.7 ± 3.407
pull
Entries 80
Mean 227
Std Dev 208.2

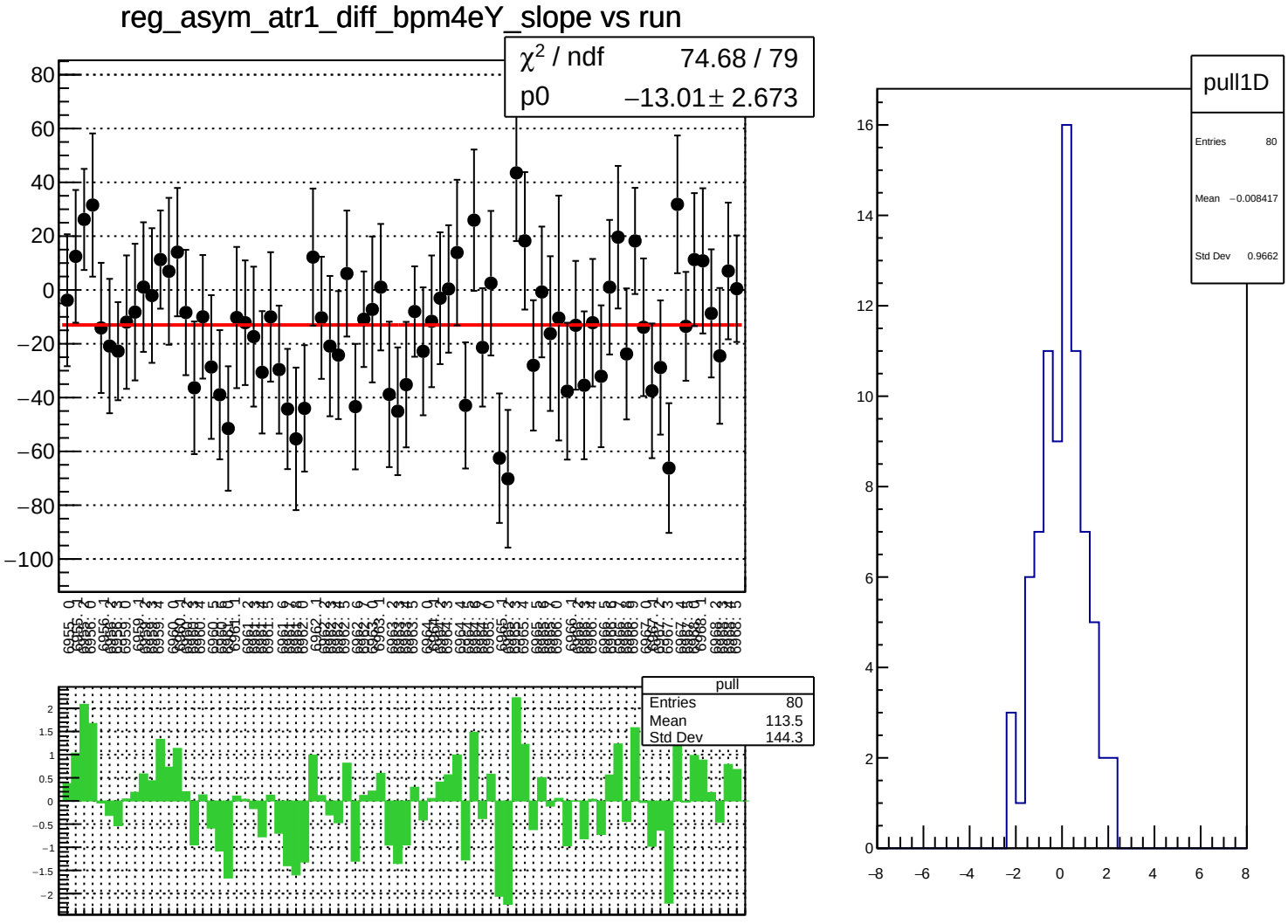

pull1D
Entries 80
Mean −0.00423
Std Dev 0.9525

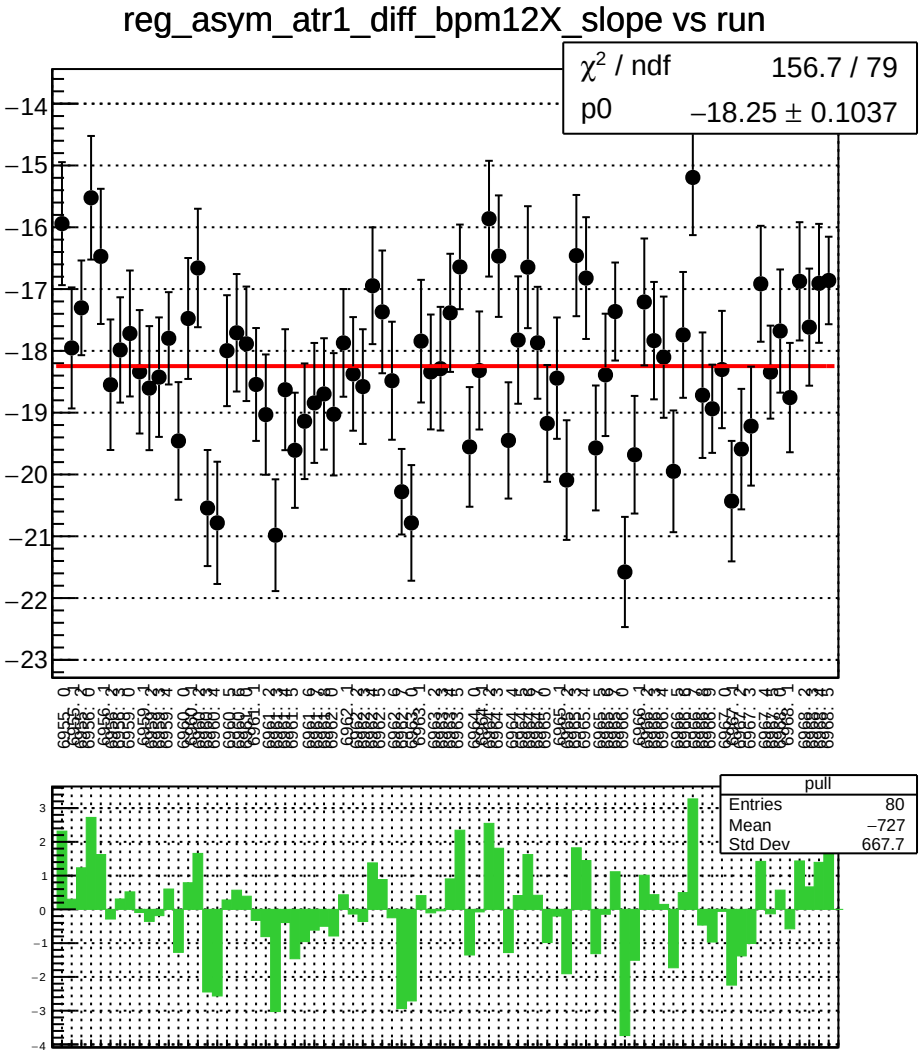

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 71.22 / 79
p0 6.426 ± 2.352
pull
Entries 80
Mean 2.562e+04
Std Dev 2.563e+04

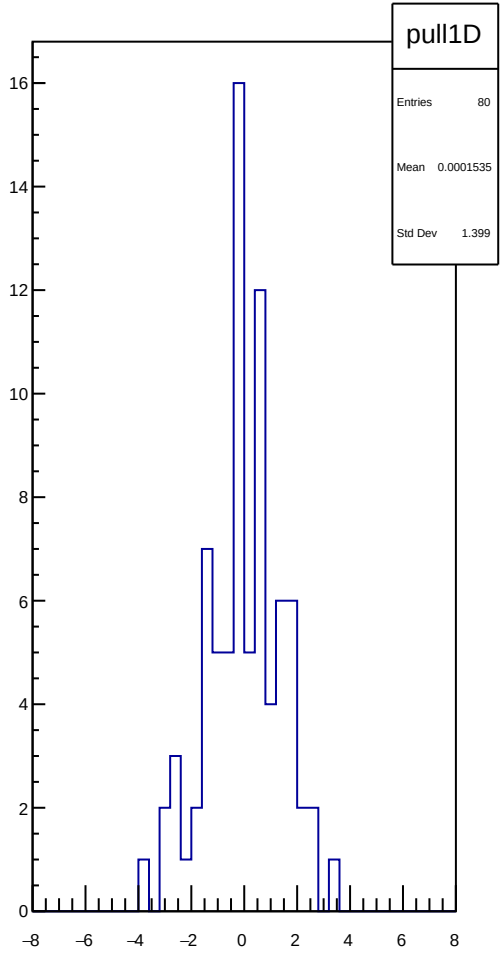

pull1D
Entries 80
Mean 4.953e−05
Std Dev 0.9435

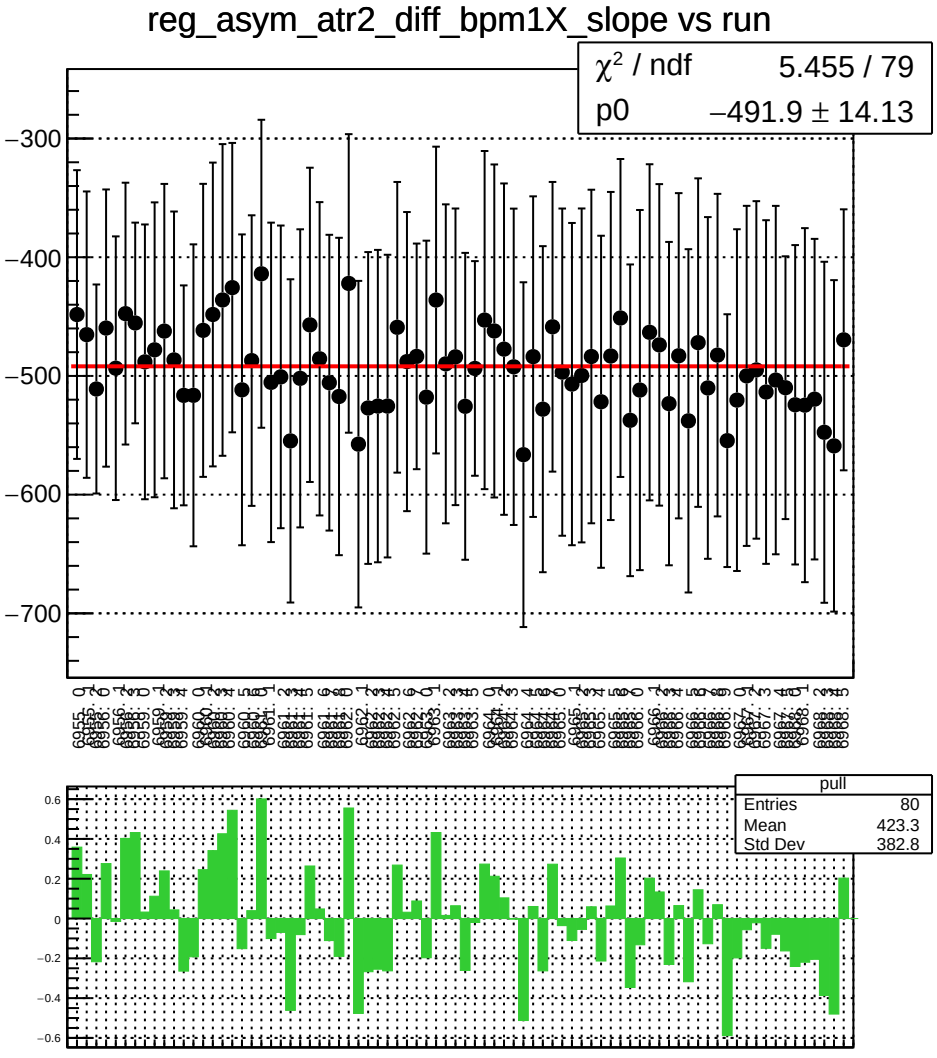

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 73.67 / 79
p0 −10.63 ± 3.154
pull
Entries 80
Mean 115.3
Std Dev 120.3

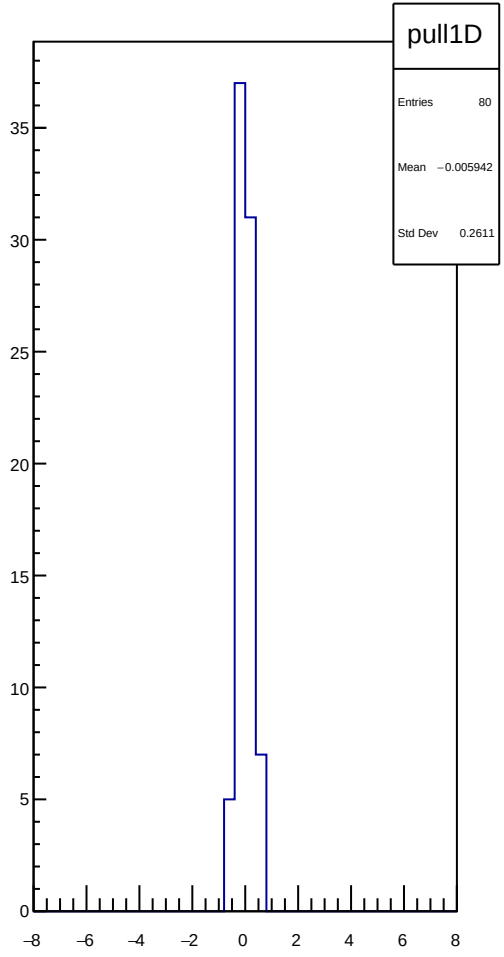

pull1D
Entries 80
Mean 0.004821
Std Dev 0.9596

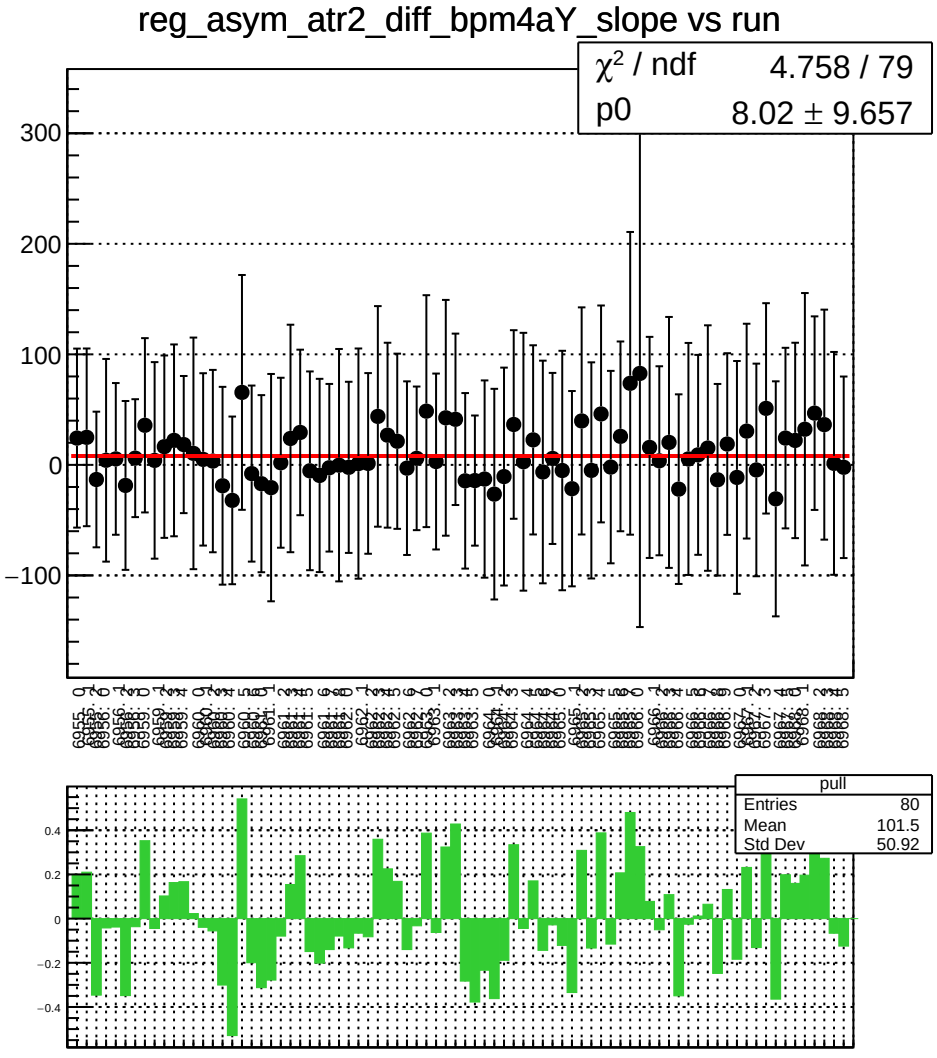

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 74.68 / 79
p0 −13.01 ± 2.673
pull
Entries 80
Mean 113.5
Std Dev 144.3
pull1D
Entries 80
Mean −0.008417
Std Dev 0.9662

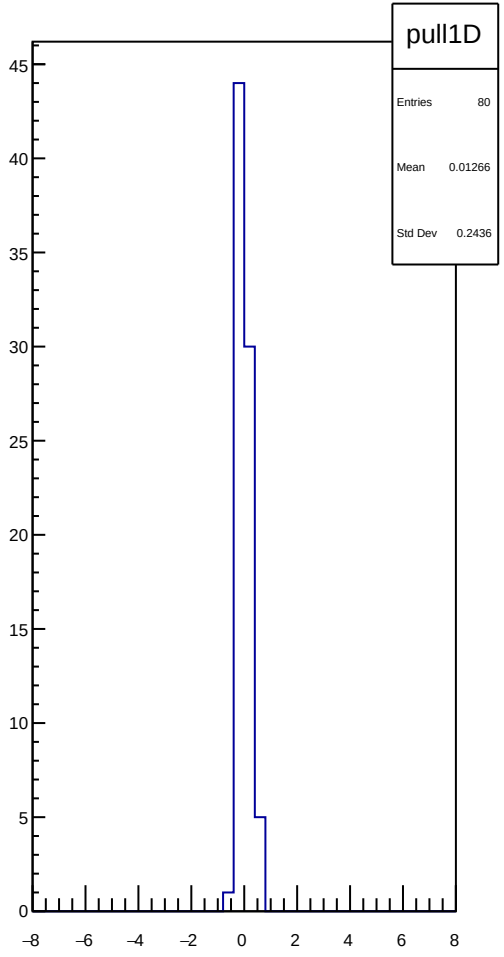

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 156.7 / 79
p0 −18.25 ± 0.1037
pull
Entries 80
Mean −727
Std Dev 667.7

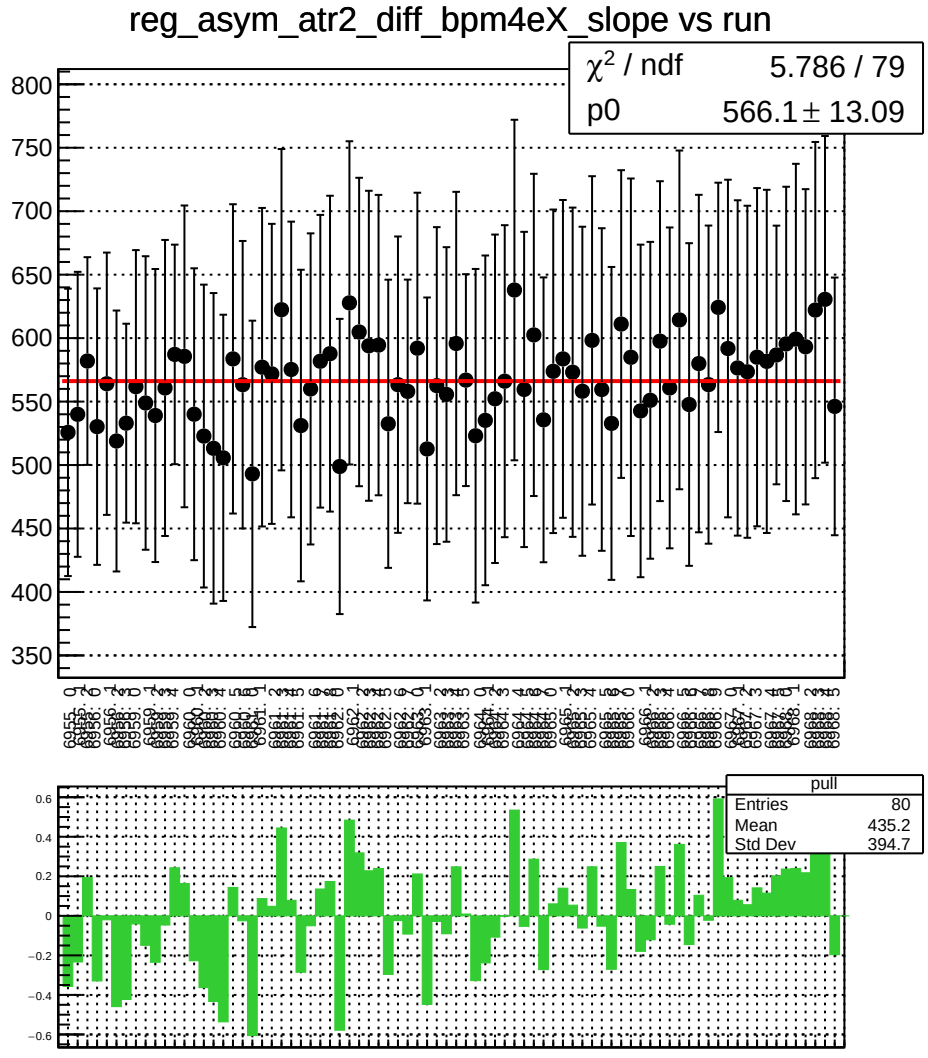

pull1D
Entries 80
Mean 0.0001535
Std Dev 1.399

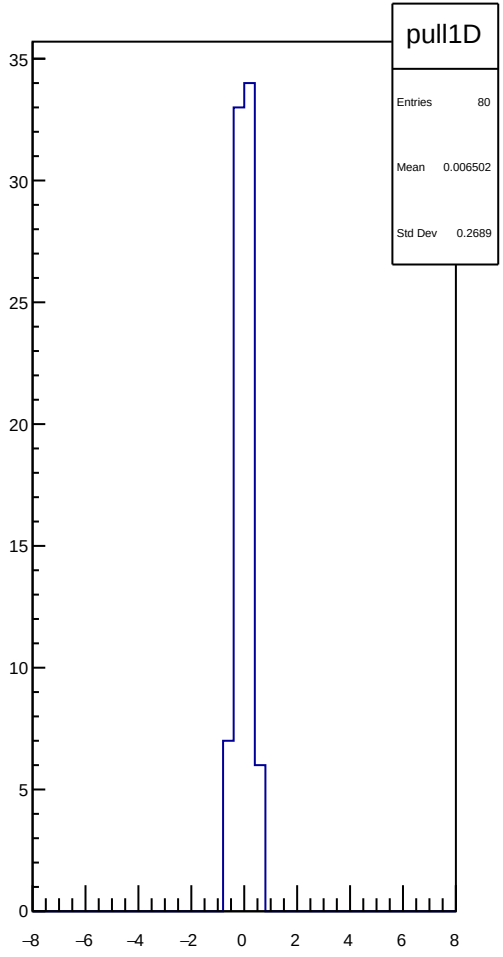

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 5.455 / 79
p0 −491.9 ± 14.13
−300
−400
−500
−600
−700
pull
Entries 80
Mean 423.3
Std Dev 382.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

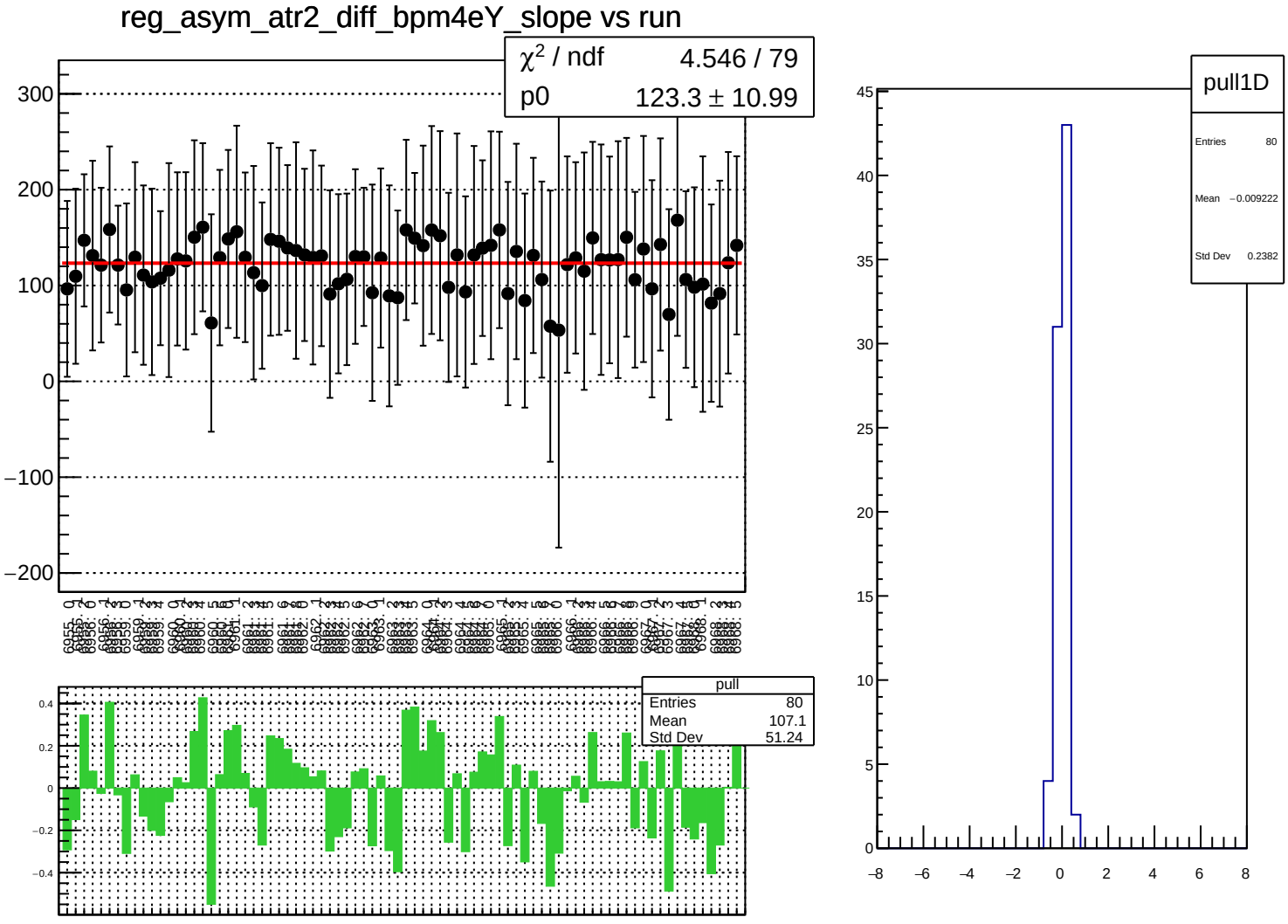

pull1D
Entries 80
Mean −0.005942
Std Dev 0.2611
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

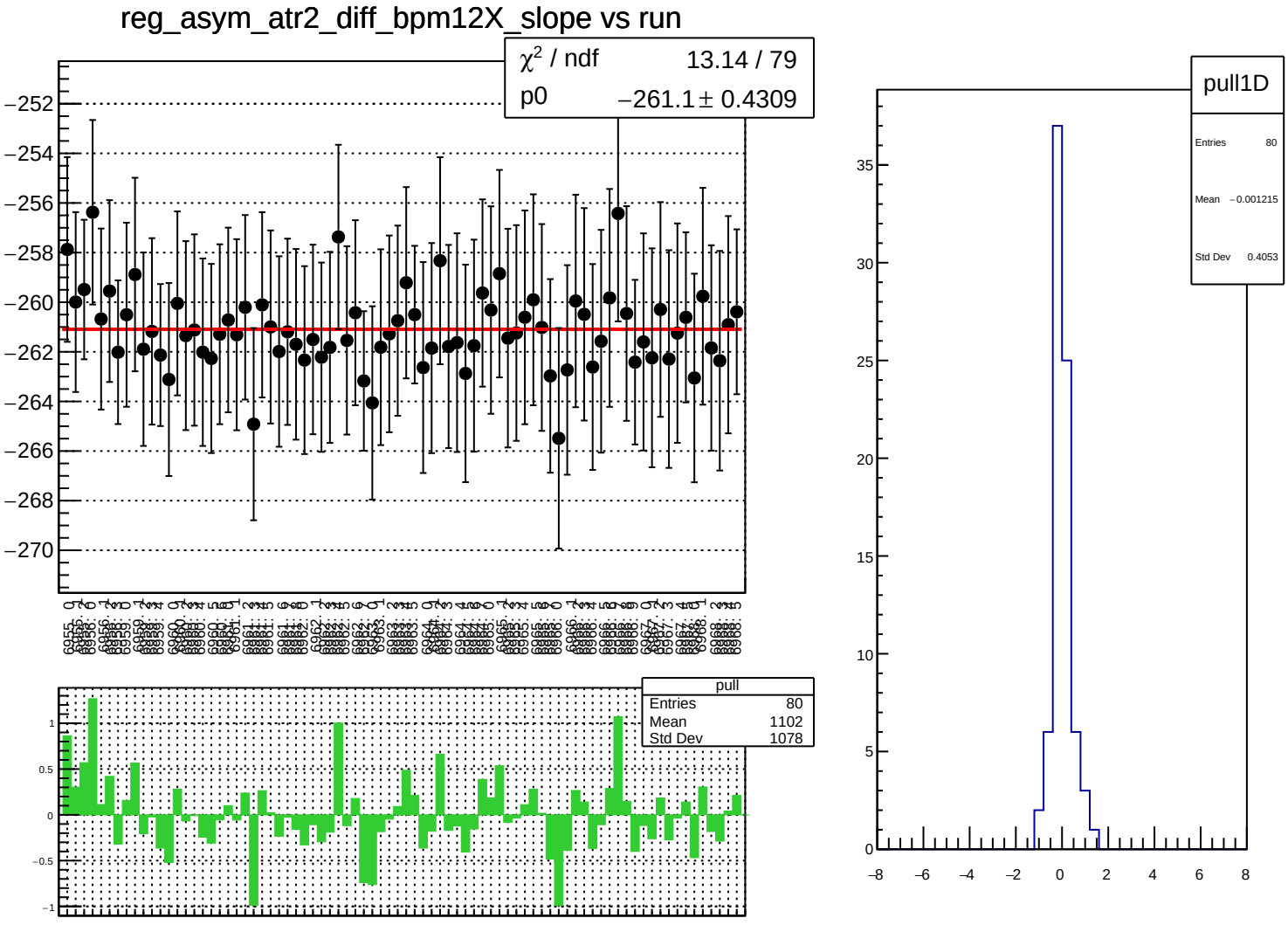

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.758 / 79
p0 8.02 ± 9.657
pull
Entries 80
Mean 101.5
Std Dev 50.92

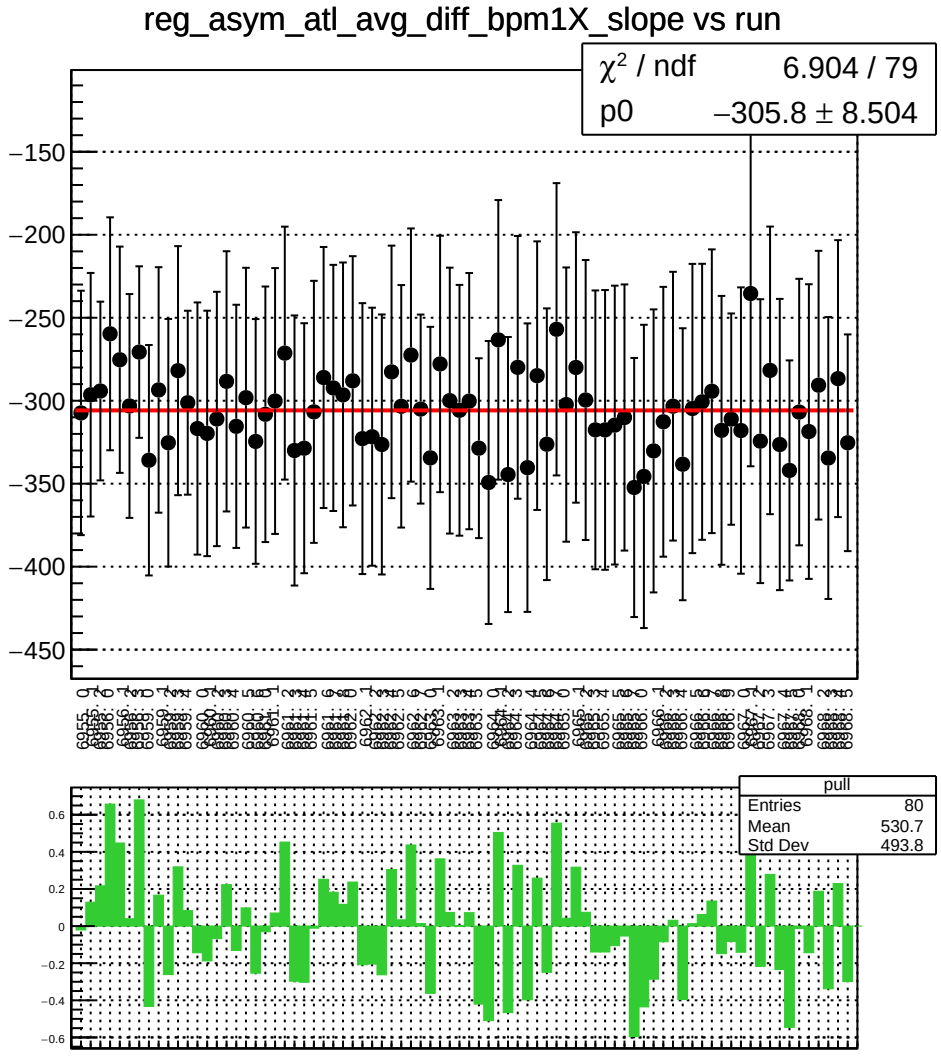

pull1D
Entries 80
Mean 0.01266
Std Dev 0.2436

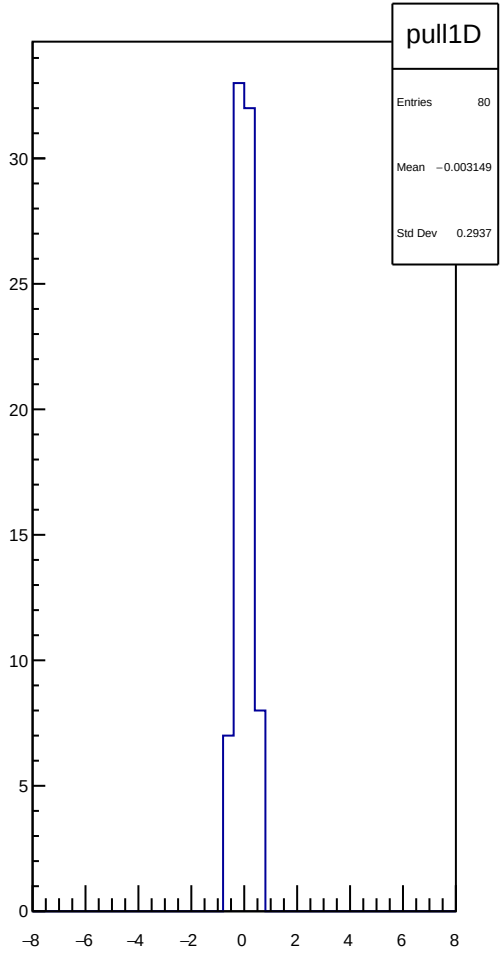

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 5.786 / 79
p0 566.1 ± 13.09
pull
Entries 80
Mean 435.2
Std Dev 394.7

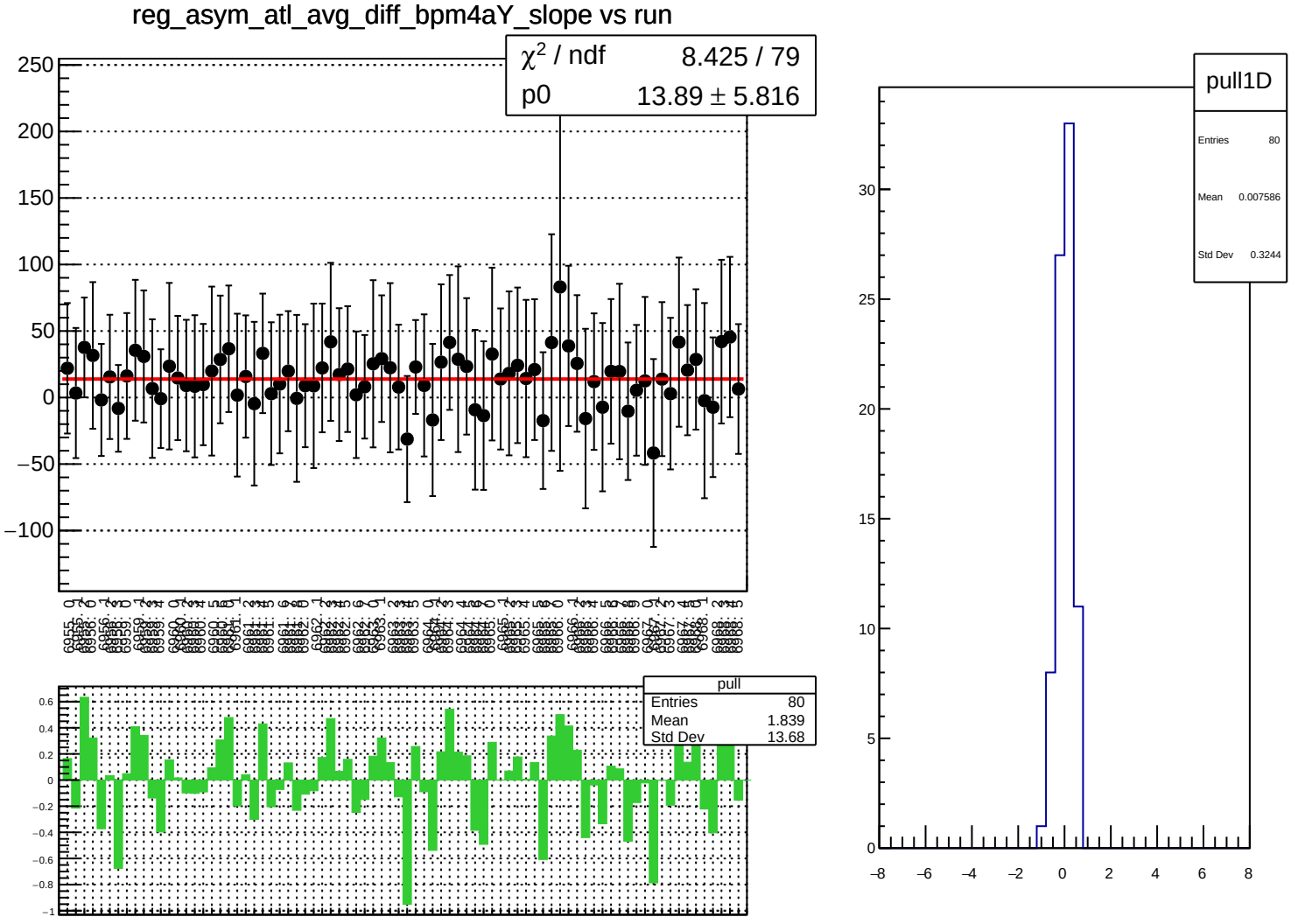

pull1D
Entries 80
Mean 0.006502
Std Dev 0.2689

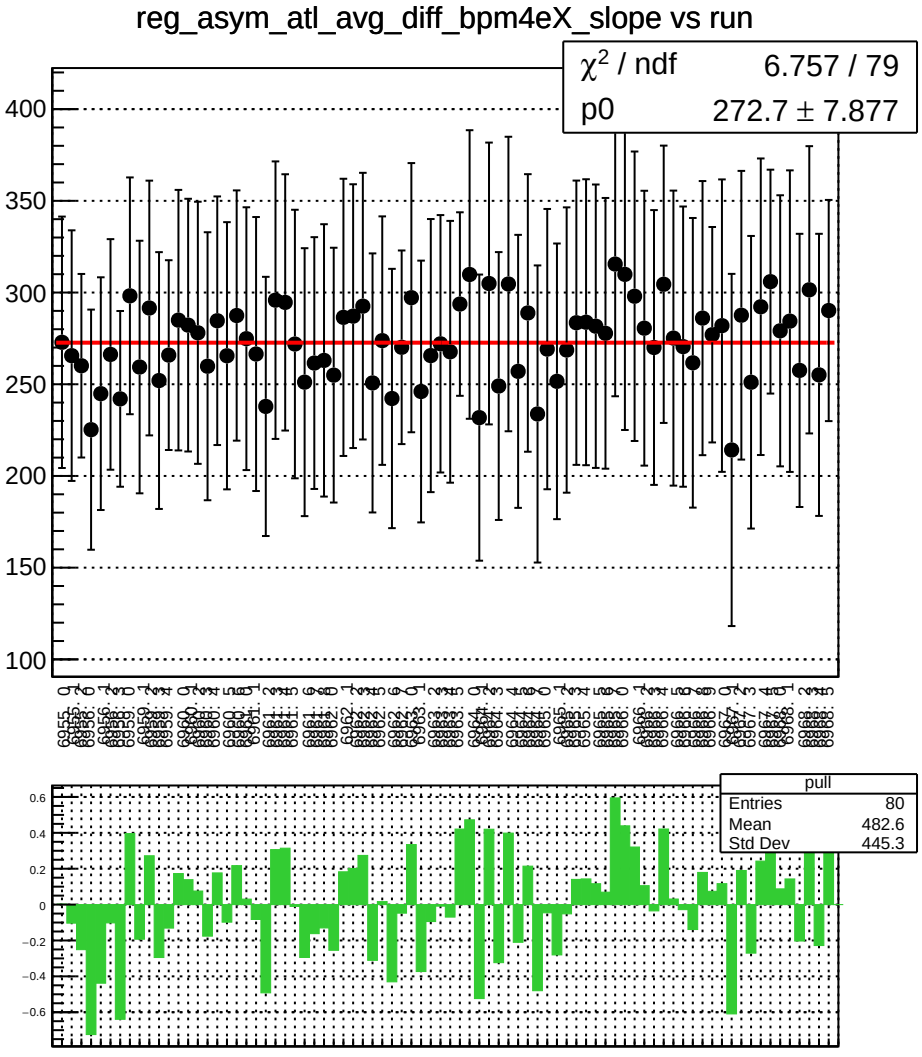

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.546 / 79
p0 123.3 ± 10.99
pull
Entries 80
Mean 107.1
Std Dev 51.24
pull1D
Entries 80
Mean −0.009222
Std Dev 0.2382

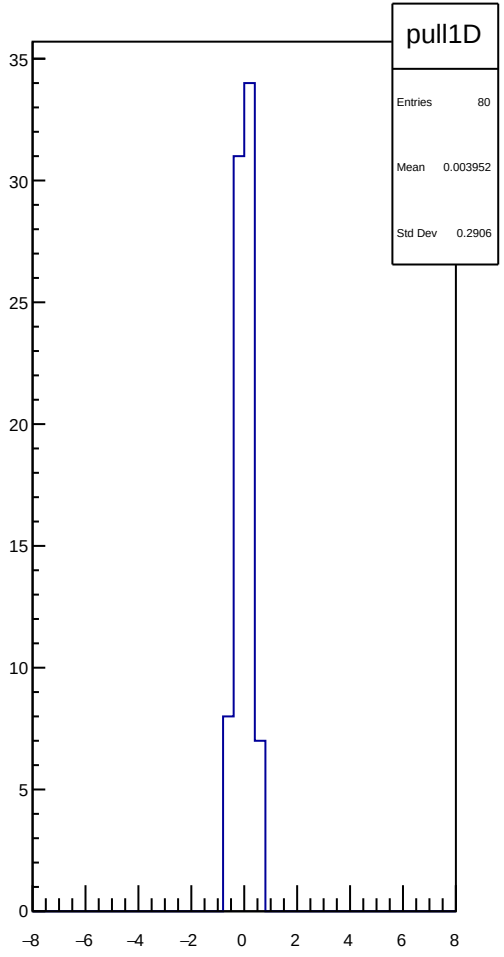

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.14 / 79
p0 −261.1 ± 0.4309
pull
Entries 80
Mean 1102
Std Dev 1078
pull1D
Entries 80
Mean −0.001215
Std Dev 0.4053

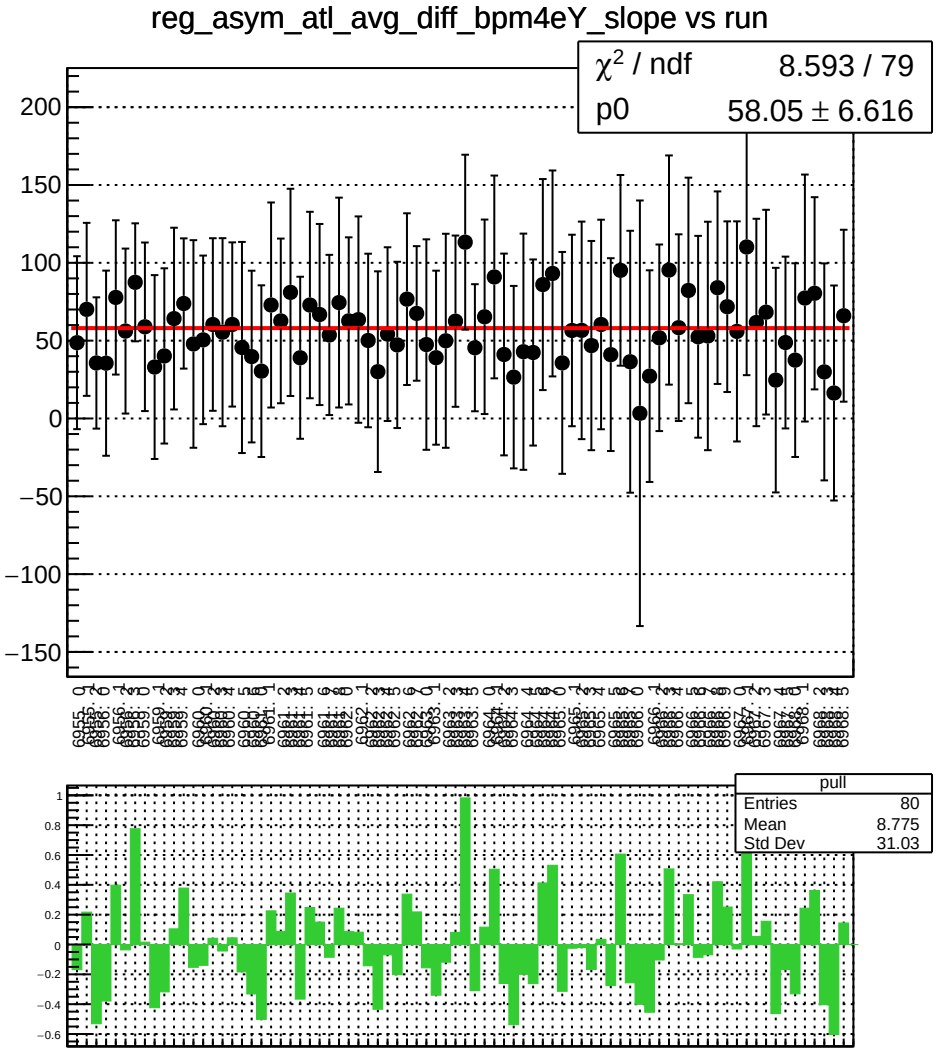

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.904 / 79
p0 −305.8 ± 8.504
pull
Entries 80
Mean 530.7
Std Dev 493.8

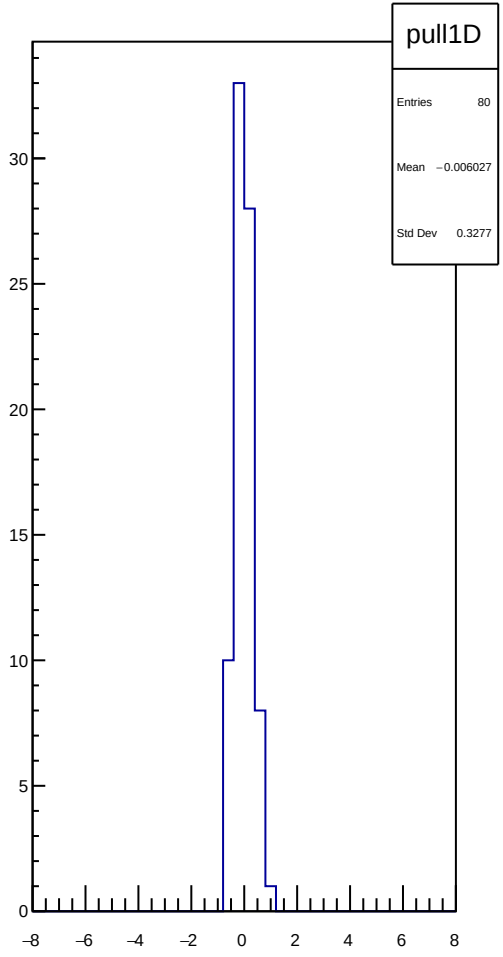

pull1D
Entries 80
Mean −0.003149
Std Dev 0.2937

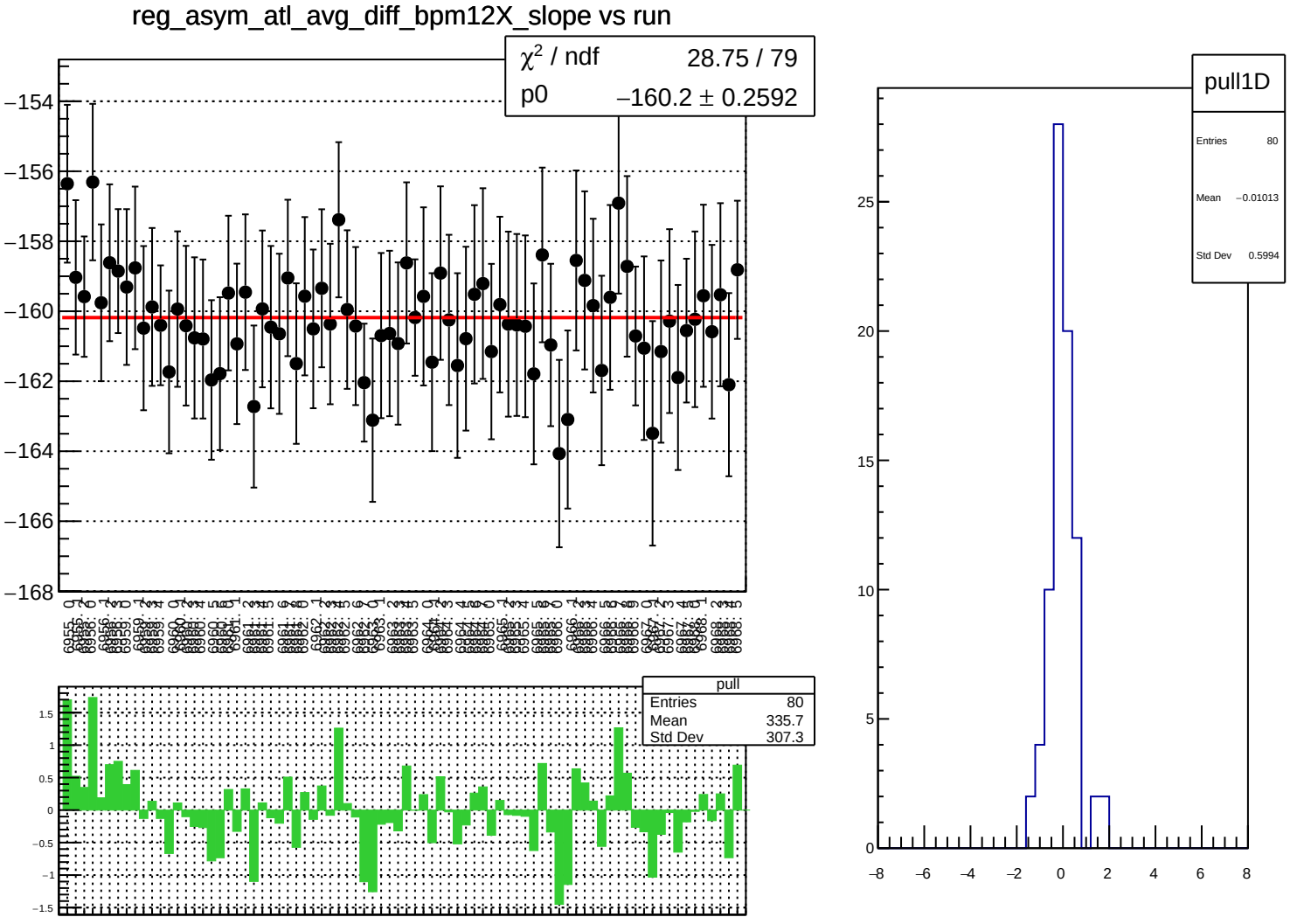

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.425 / 79
p0 13.89 ± 5.816
pull
Entries 80
Mean 1.839
Std Dev 13.68
pull1D
Entries 80
Mean 0.007586
Std Dev 0.3244

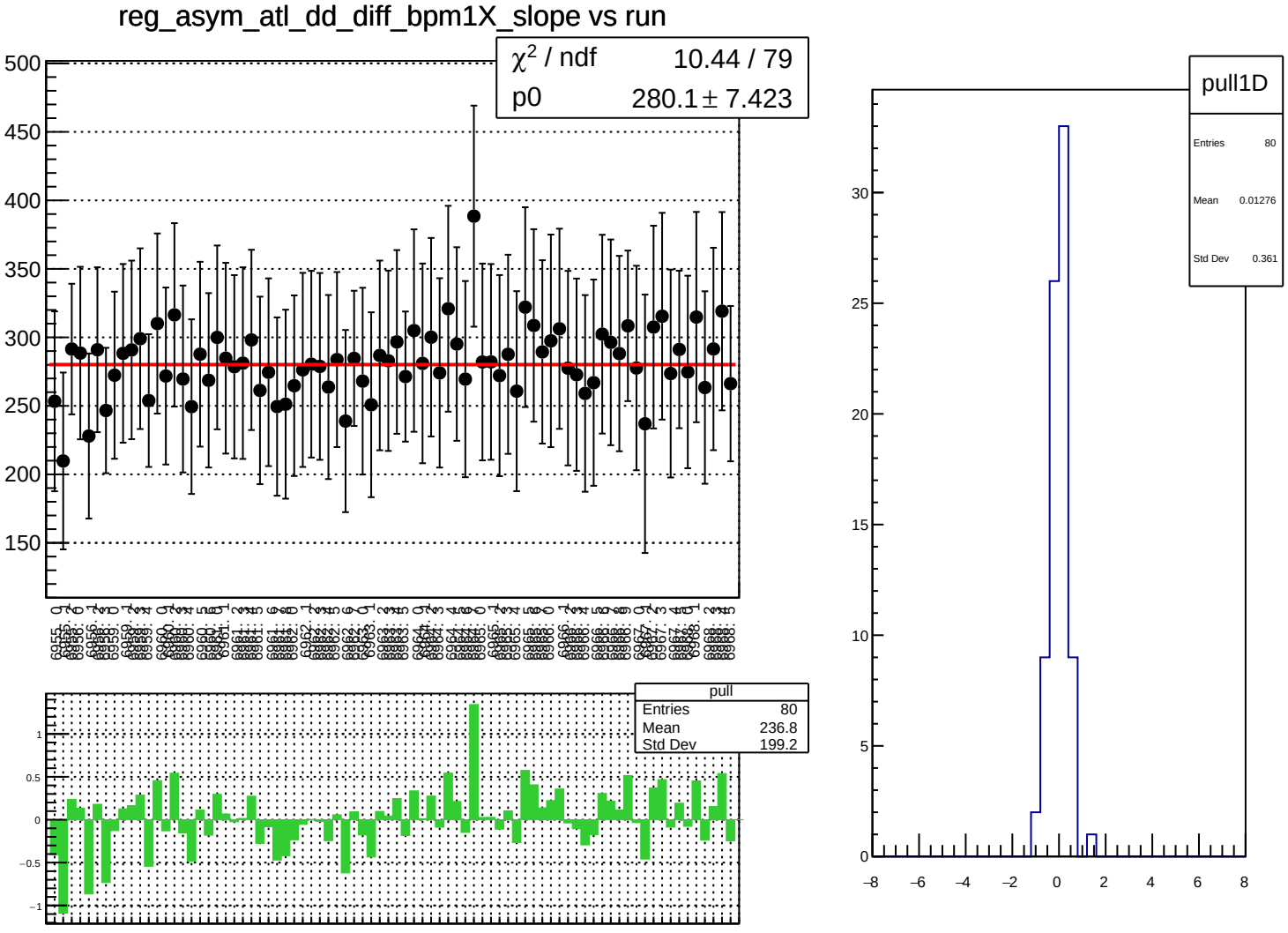

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.757 / 79
p0 272.7 ± 7.877
pull
Entries 80
Mean 482.6
Std Dev 445.3

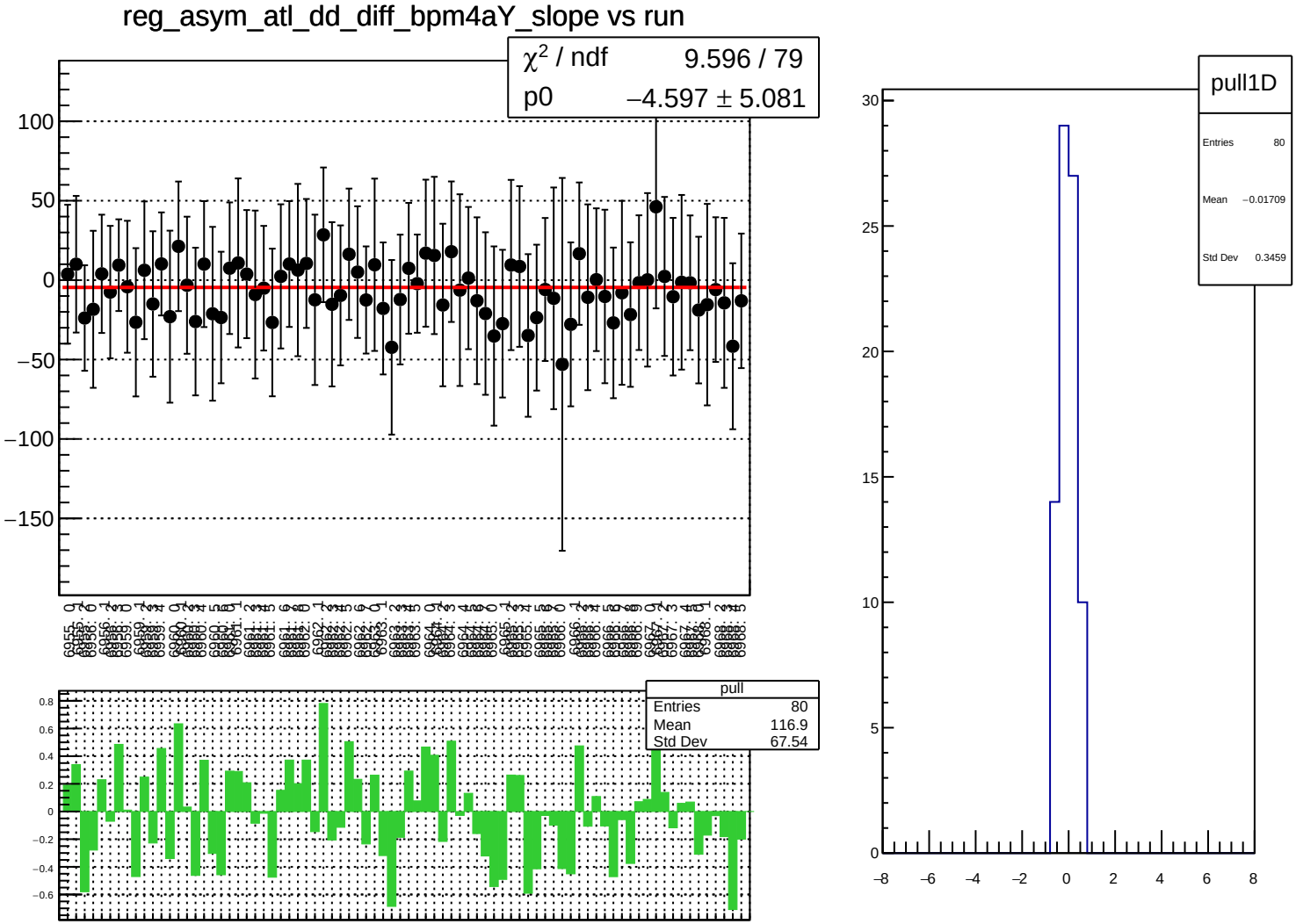

pull1D
Entries 80
Mean 0.003952
Std Dev 0.2906

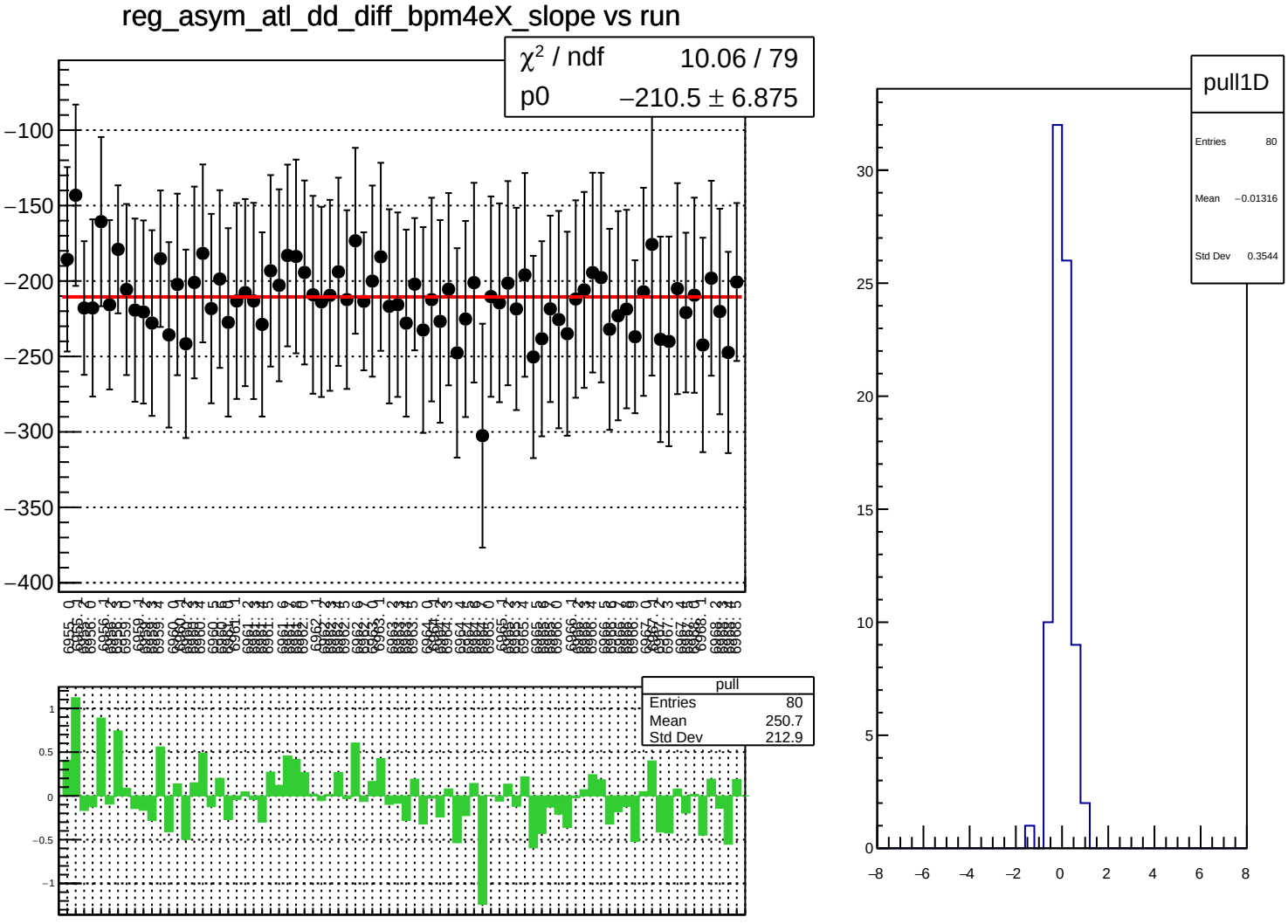

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.593 / 79
p0 58.05 ± 6.616
pull
Entries 80
Mean 8.775
Std Dev 31.03

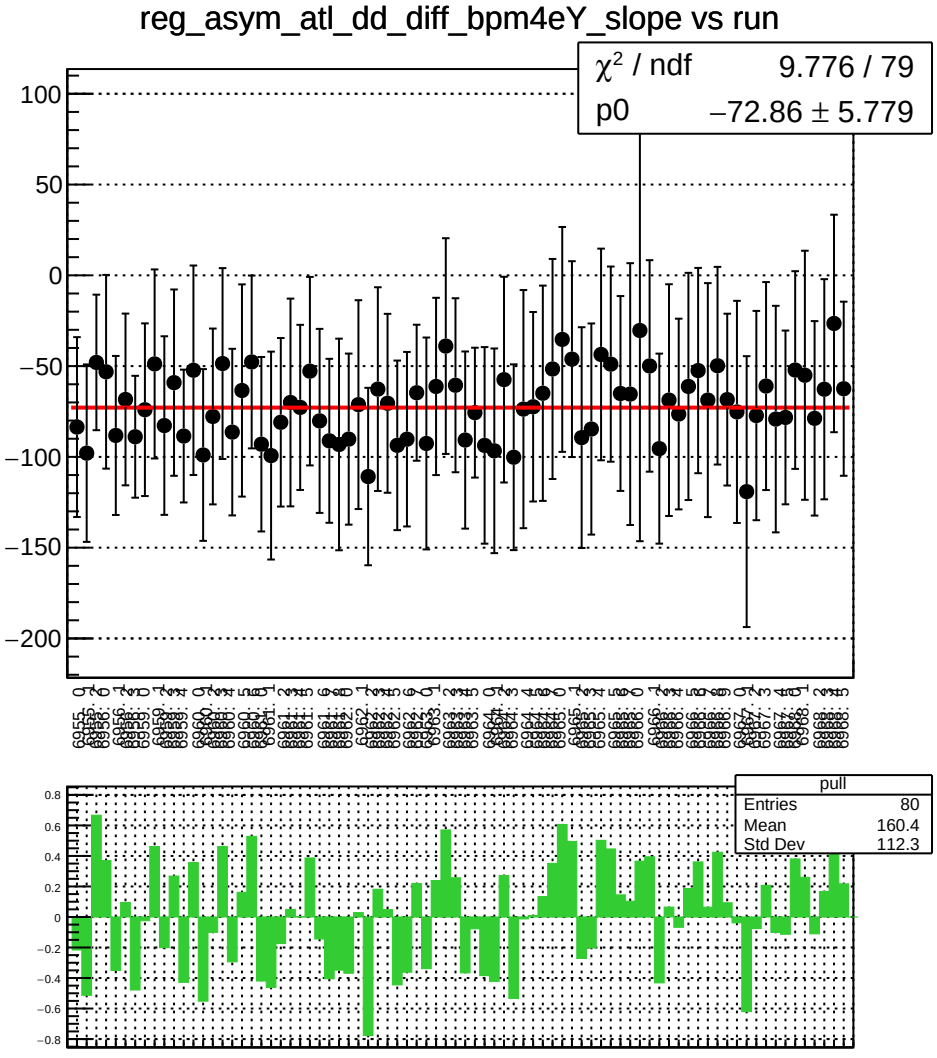

pull1D
Entries 80
Mean −0.006027
Std Dev 0.3277

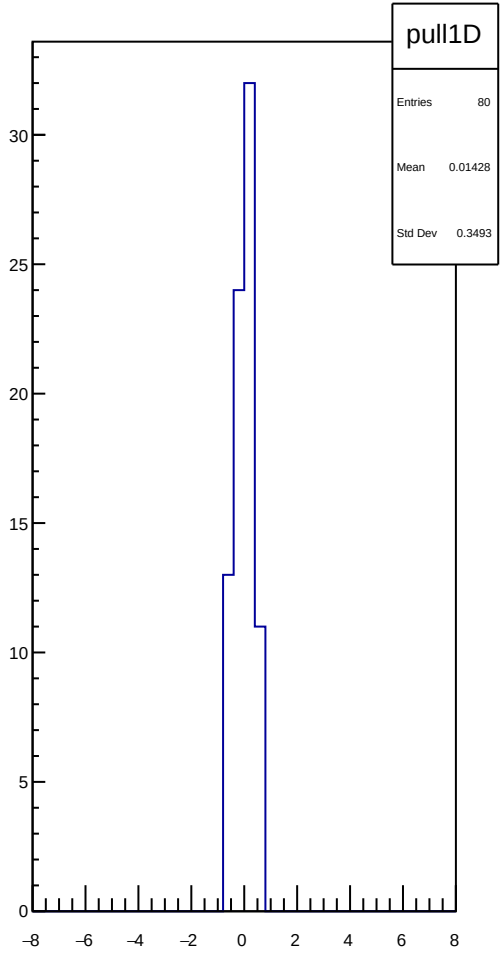

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 28.75 / 79
p0 −160.2 ± 0.2592
pull
Entries 80
Mean 335.7
Std Dev 307.3
pull1D
Entries 80
Mean −0.01013
Std Dev 0.5994

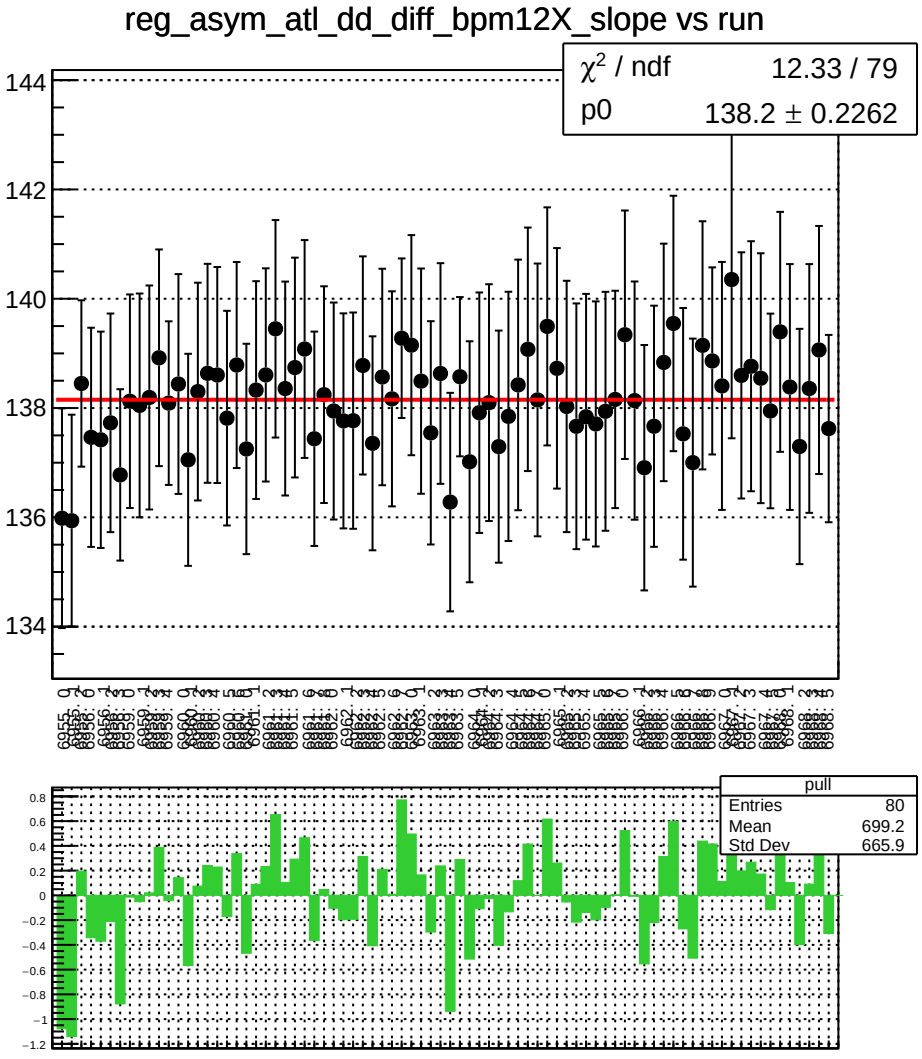

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.44 / 79
p0 280.1 ± 7.423
pull
Entries 80
Mean 236.8
Std Dev 199.2
pull1D
Entries 80
Mean 0.01276
Std Dev 0.361

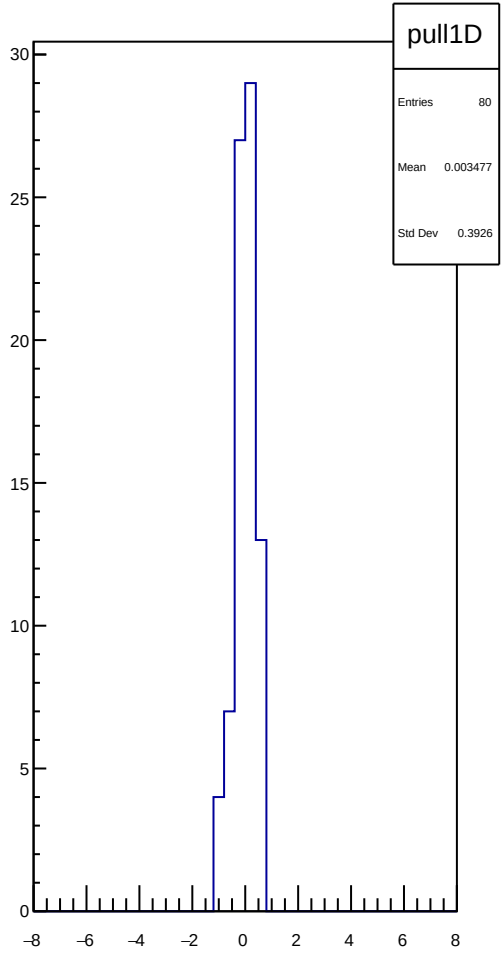

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.596 / 79
p0 −4.597 ± 5.081
pull
Entries 80
Mean 116.9
Std Dev 67.54
pull1D
Entries 80
Mean −0.01709
Std Dev 0.3459

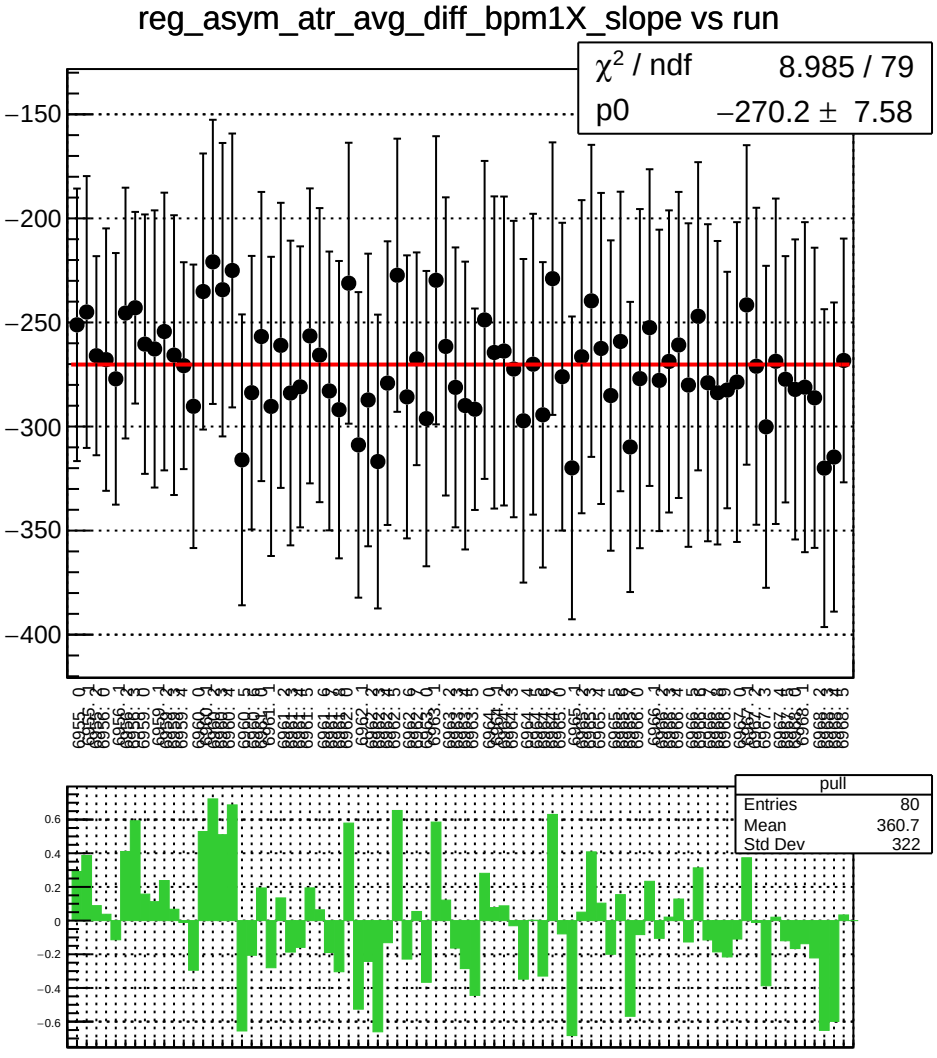

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.06 / 79
p0 −210.5 ± 6.875
pull
Entries 80
Mean 250.7
Std Dev 212.9
pull1D
Entries 80
Mean −0.01316
Std Dev 0.3544

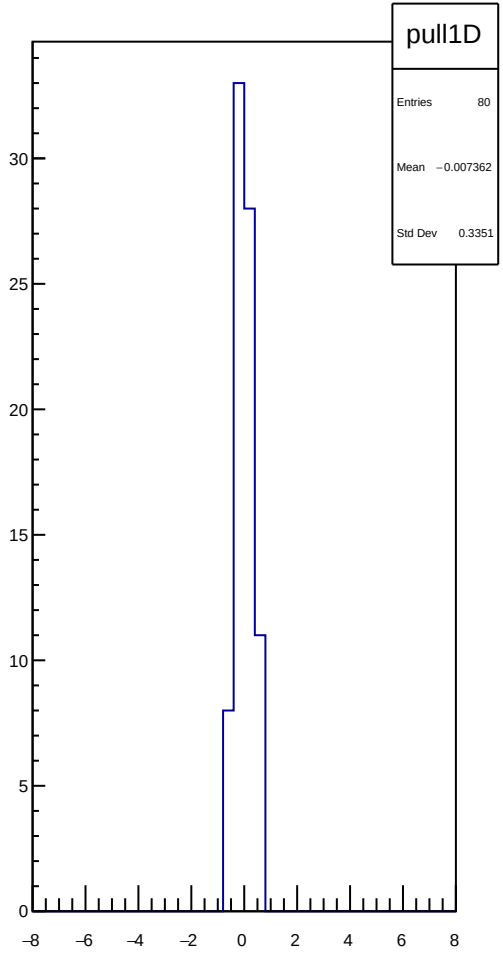

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.776 / 79
p0 −72.86 ± 5.779
pull
Entries 80
Mean 160.4
Std Dev 112.3

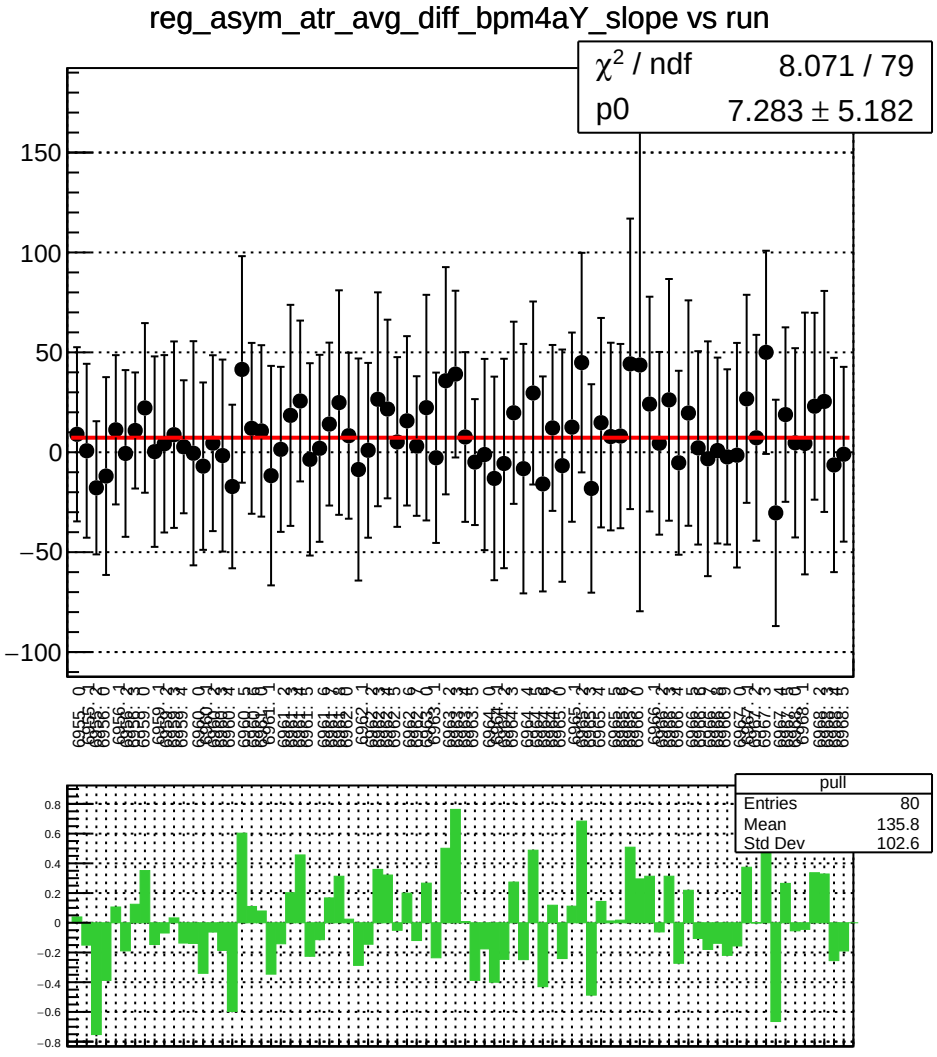

pull1D
Entries 80
Mean 0.01428
Std Dev 0.3493

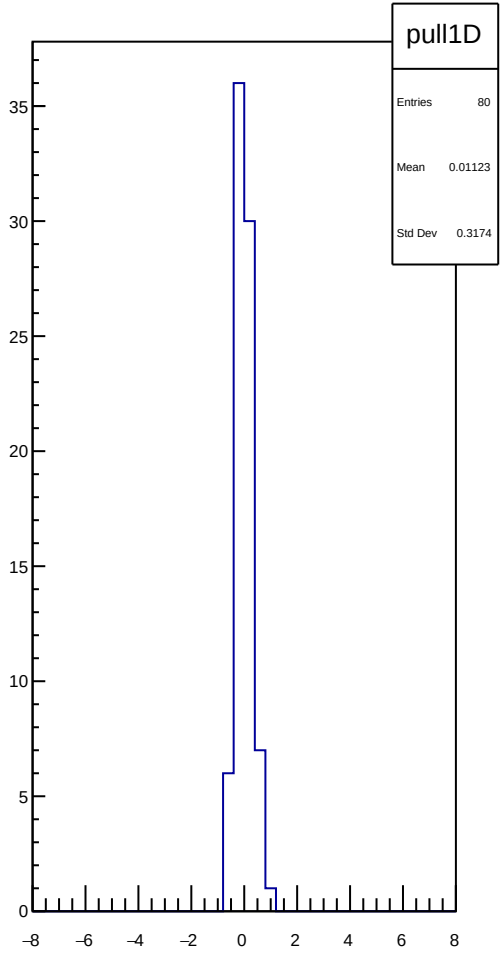

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.33 / 79
p0 138.2 ± 0.2262
144
142
140
138
136
134
pull
Entries 80
Mean 699.2
Std Dev 665.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

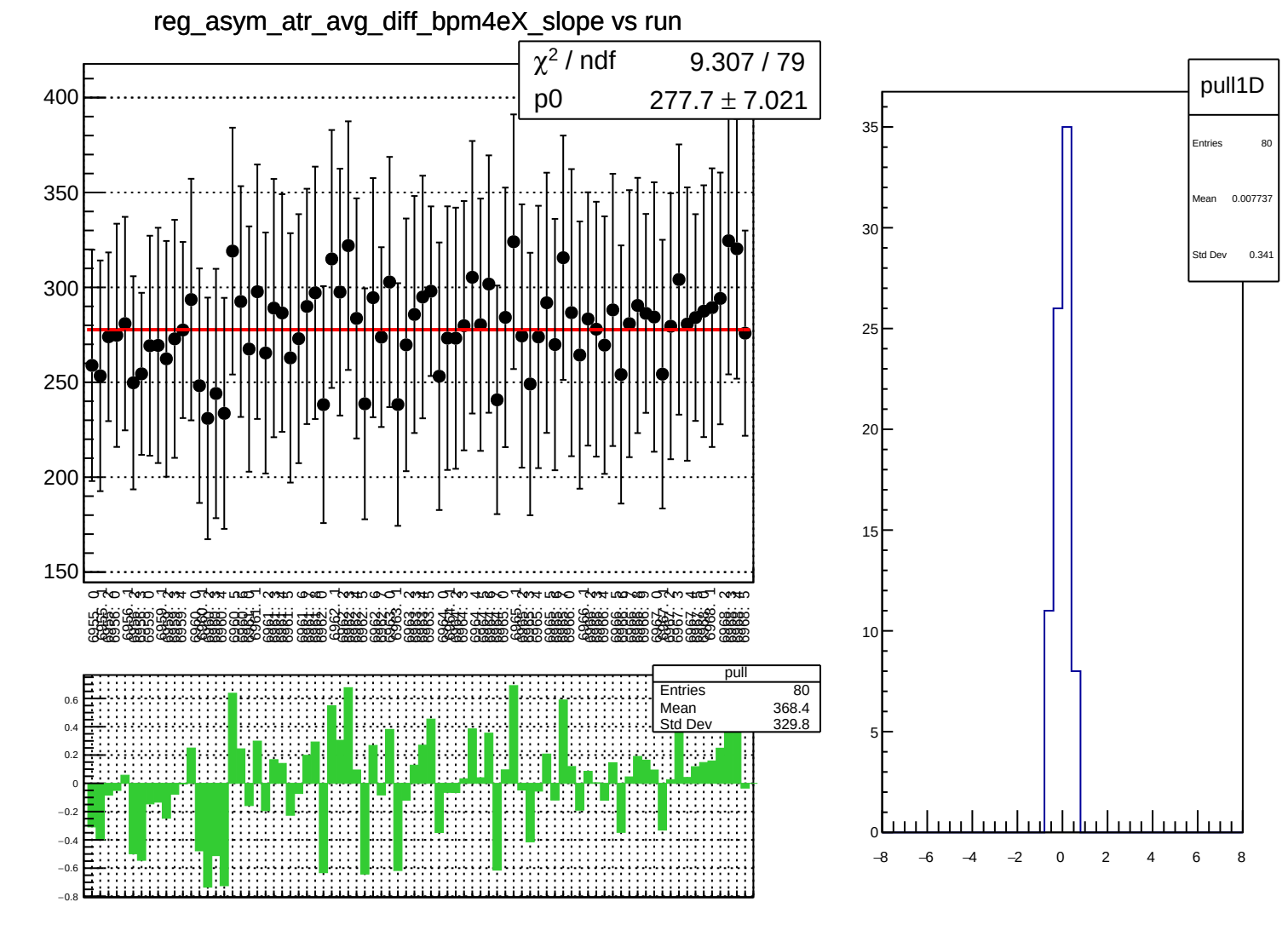

pull1D
Entries 80
Mean 0.003477
Std Dev 0.3926
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

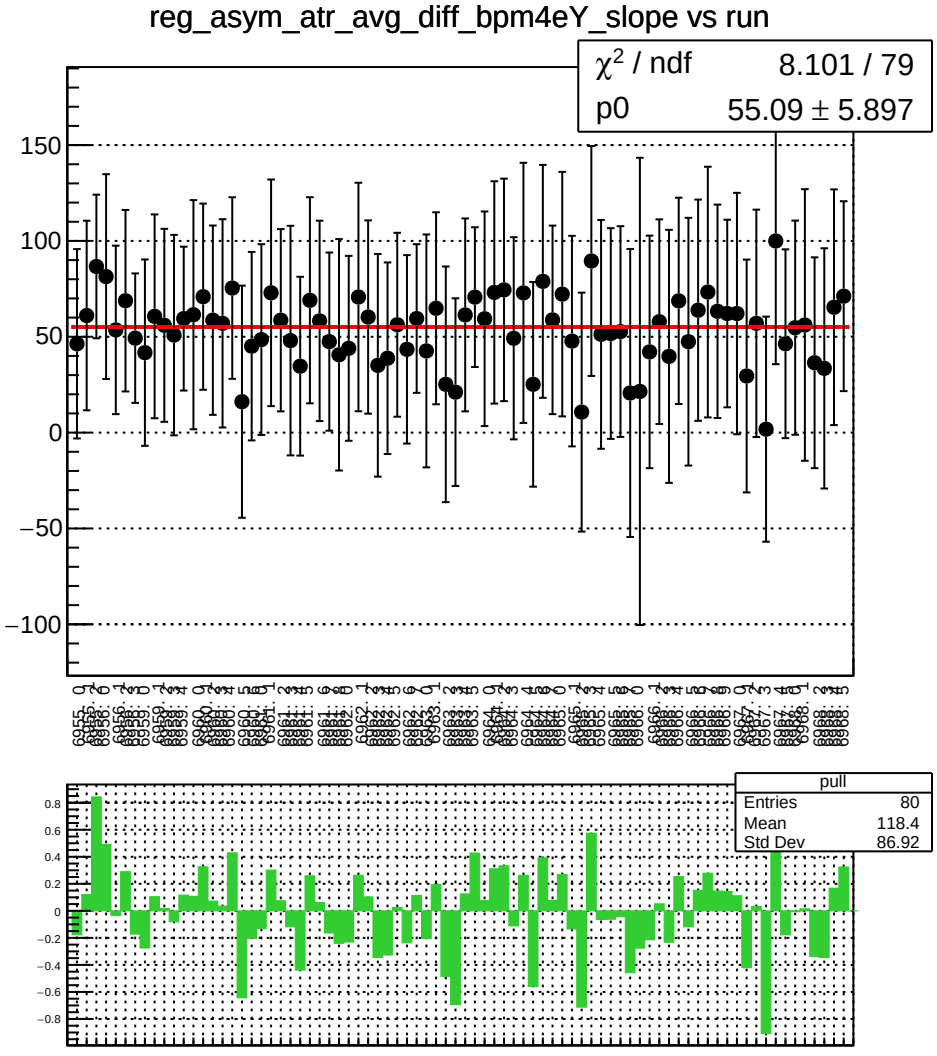

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.985 / 79
p0 −270.2 ± 7.58
pull
Entries 80
Mean 360.7
Std Dev 322

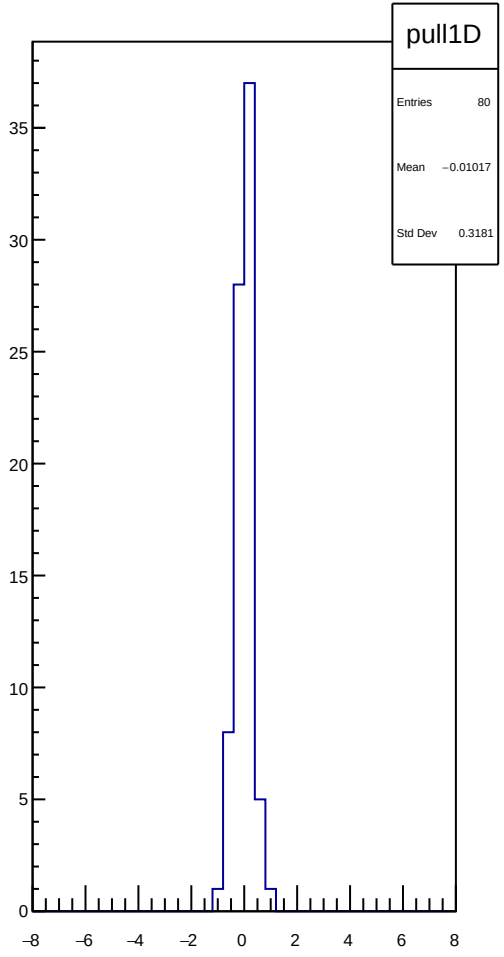

pull1D
Entries 80
Mean −0.007362
Std Dev 0.3351

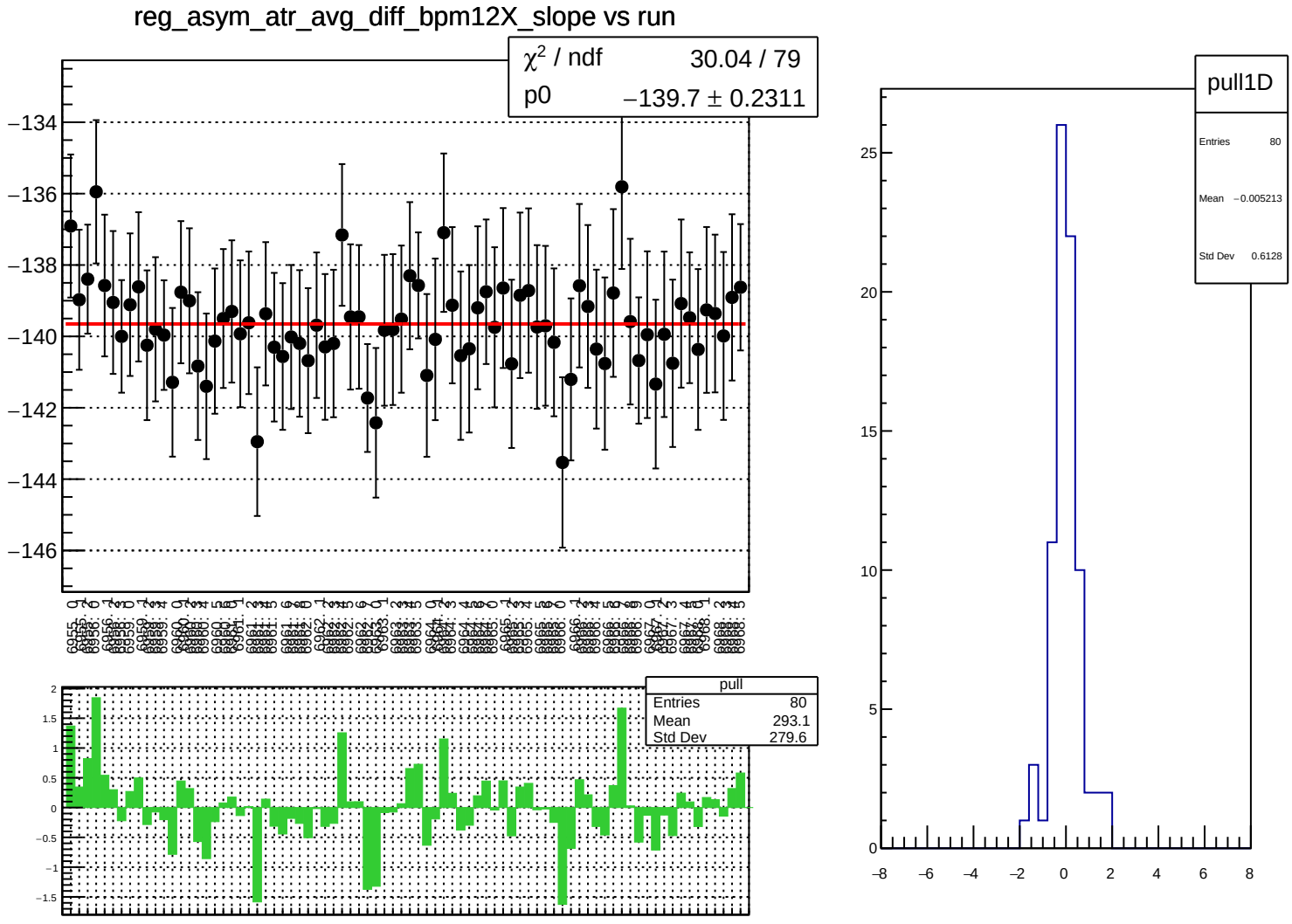

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.071 / 79
p0 7.283 ± 5.182
pull
Entries 80
Mean 135.8
Std Dev 102.6

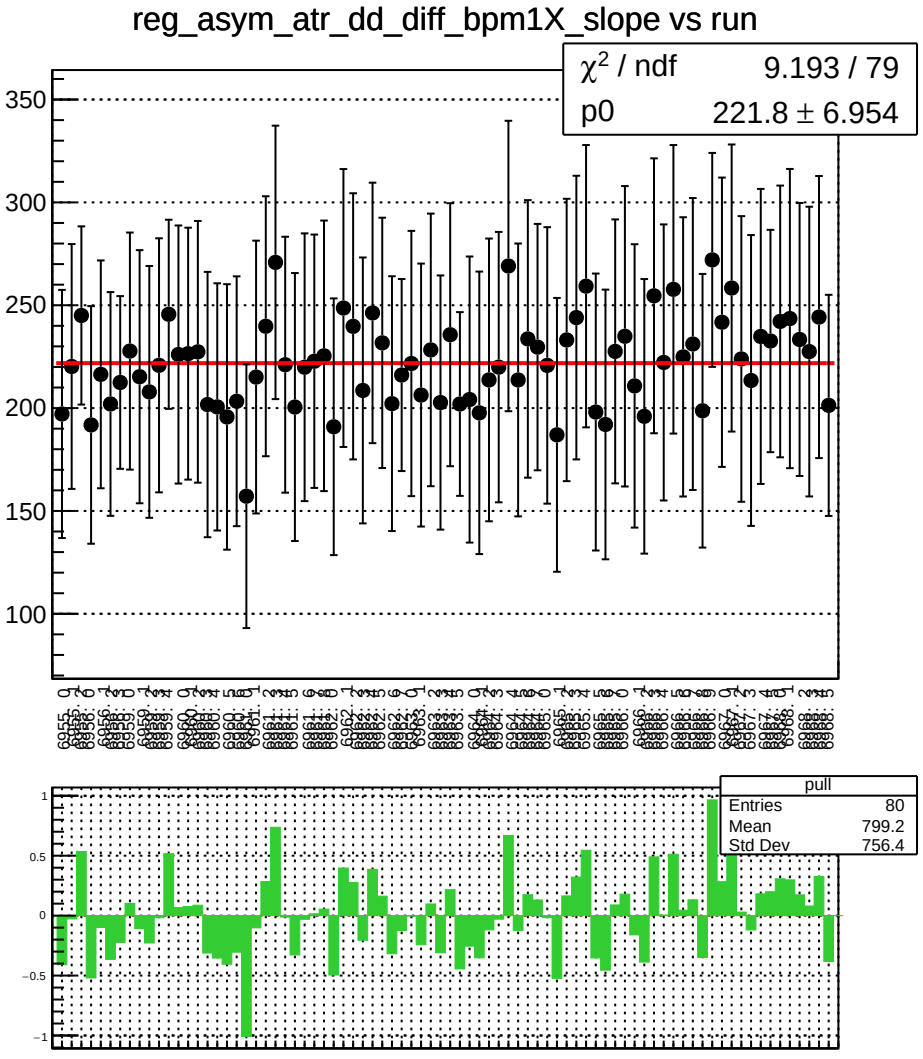

pull1D
Entries 80
Mean 0.01123
Std Dev 0.3174

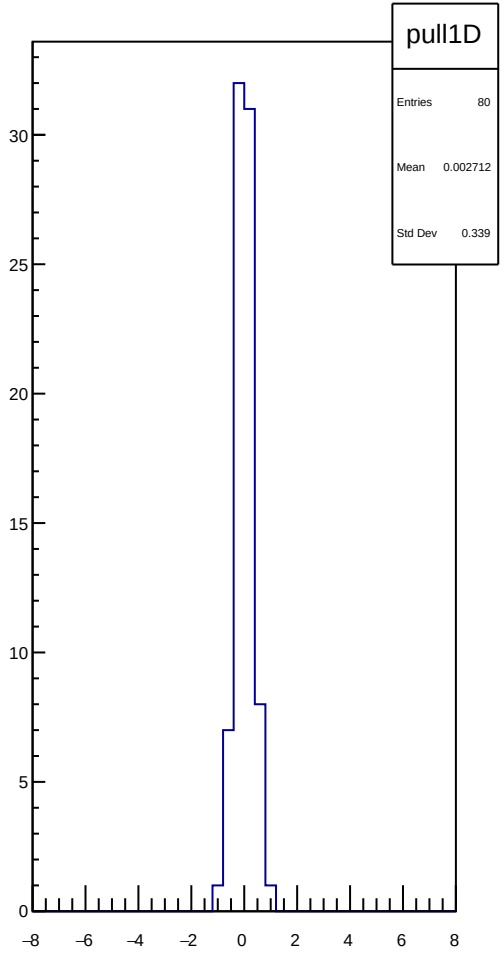

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.307 / 79
p0 277.7 ± 7.021
pull
Entries 80
Mean 368.4
Std Dev 329.8
pull1D
Entries 80
Mean 0.007737
Std Dev 0.341

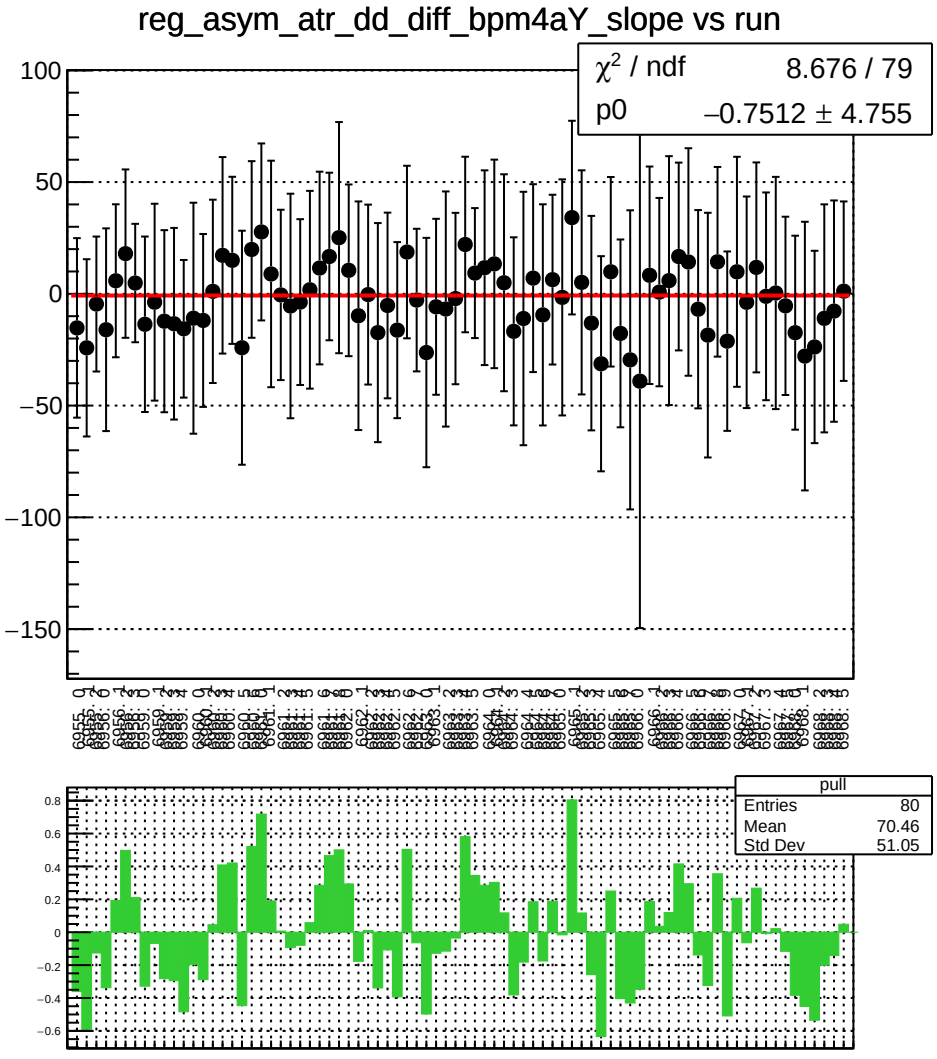

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.101 / 79
p0 55.09 ± 5.897
pull
Entries 80
Mean 118.4
Std Dev 86.92

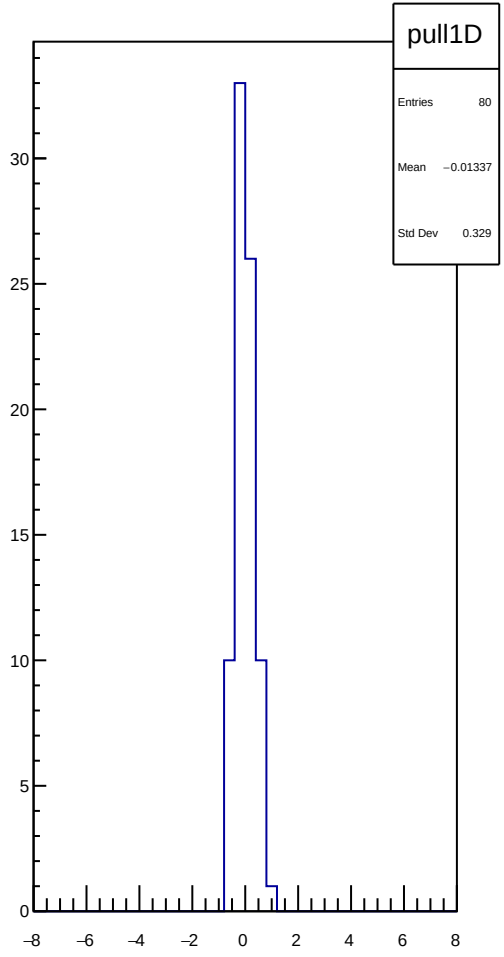

pull1D
Entries 80
Mean −0.01017
Std Dev 0.3181

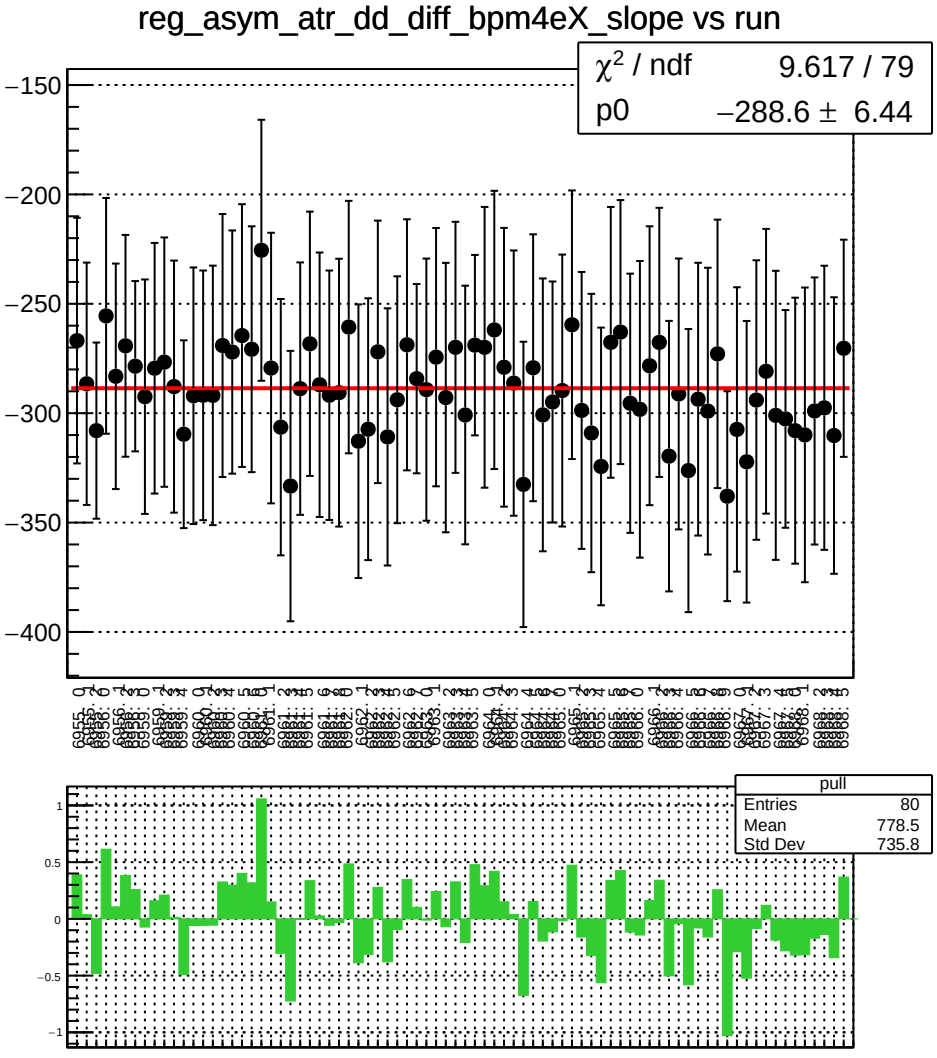

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.04 / 79
p0 −139.7 ± 0.2311
pull
Entries 80
Mean 293.1
Std Dev 279.6
pull1D
Entries 80
Mean −0.005213
Std Dev 0.6128

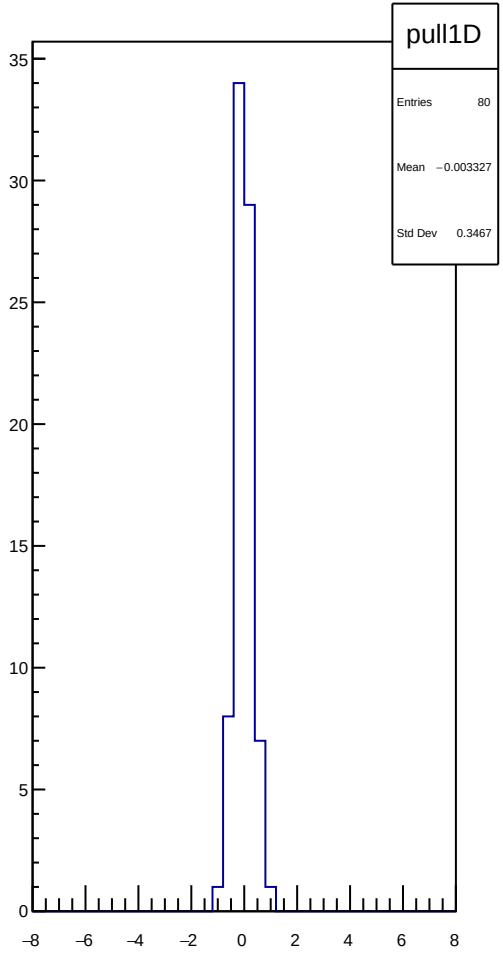

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.193 / 79
p0 221.8 ± 6.954
pull
Entries 80
Mean 799.2
Std Dev 756.4

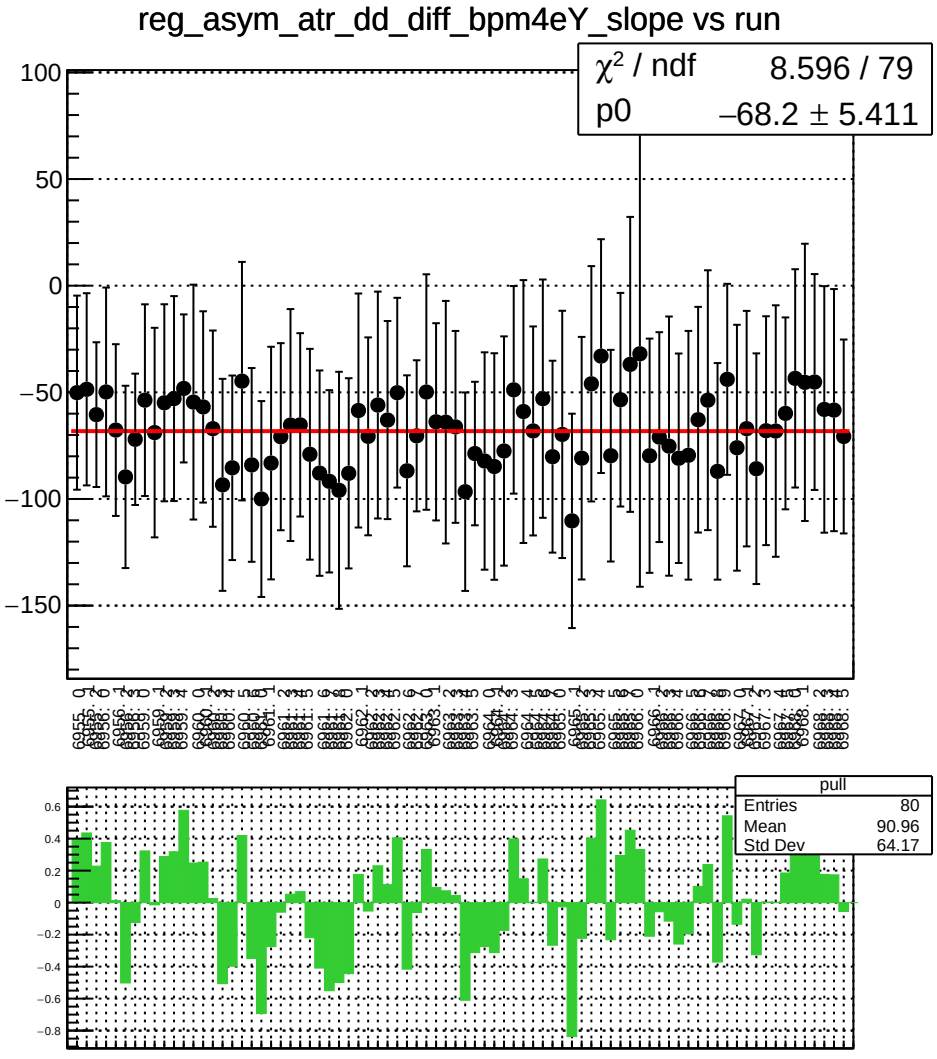

pull1D
Entries 80
Mean 0.002712
Std Dev 0.339

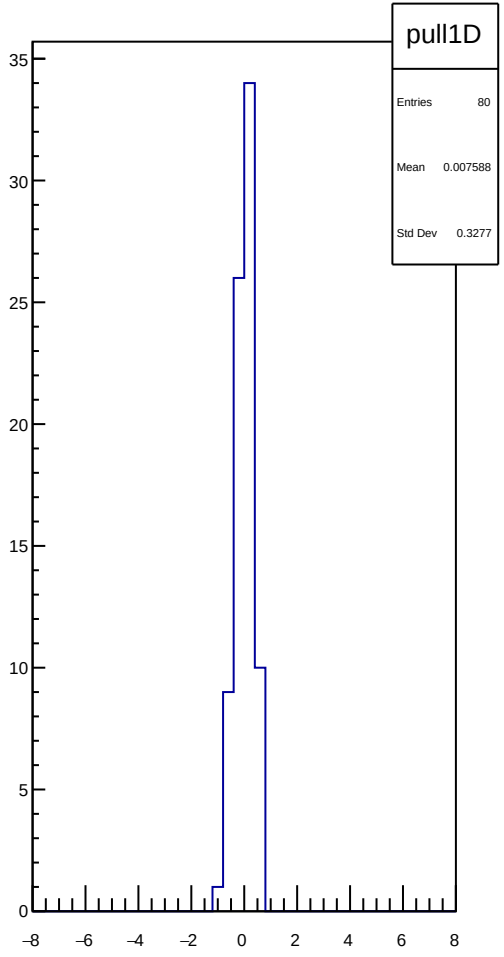

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.676 / 79
p0 −0.7512 ± 4.755
pull
Entries 80
Mean 70.46
Std Dev 51.05

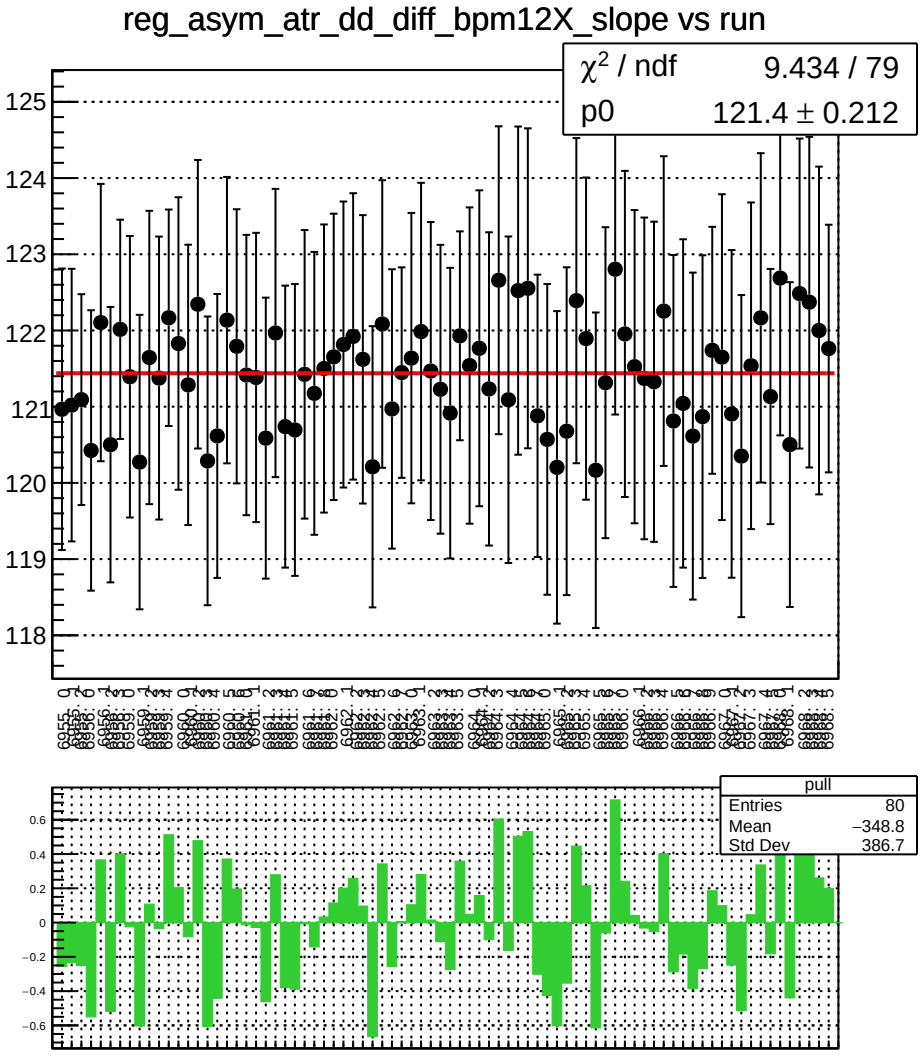

pull1D
Entries 80
Mean −0.01337
Std Dev 0.329

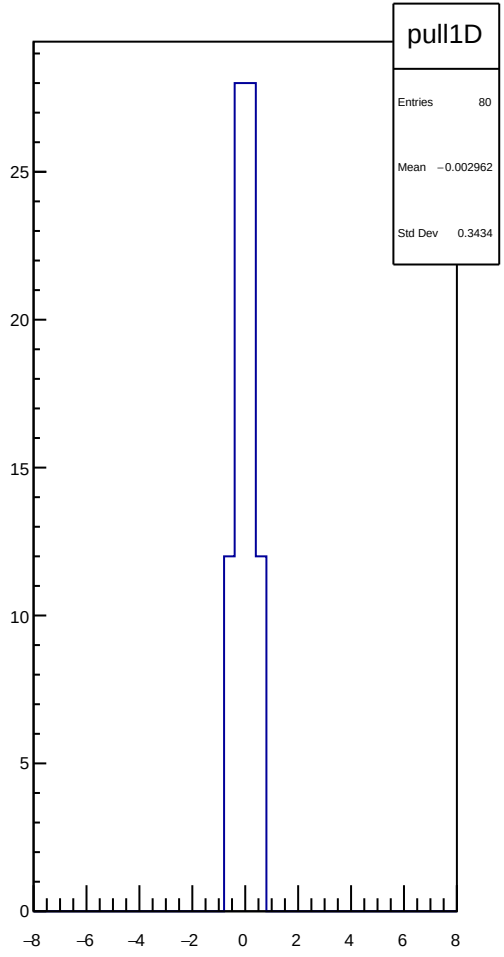

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.617 / 79
p0 −288.6 ± 6.44
pull
Entries 80
Mean 778.5
Std Dev 735.8

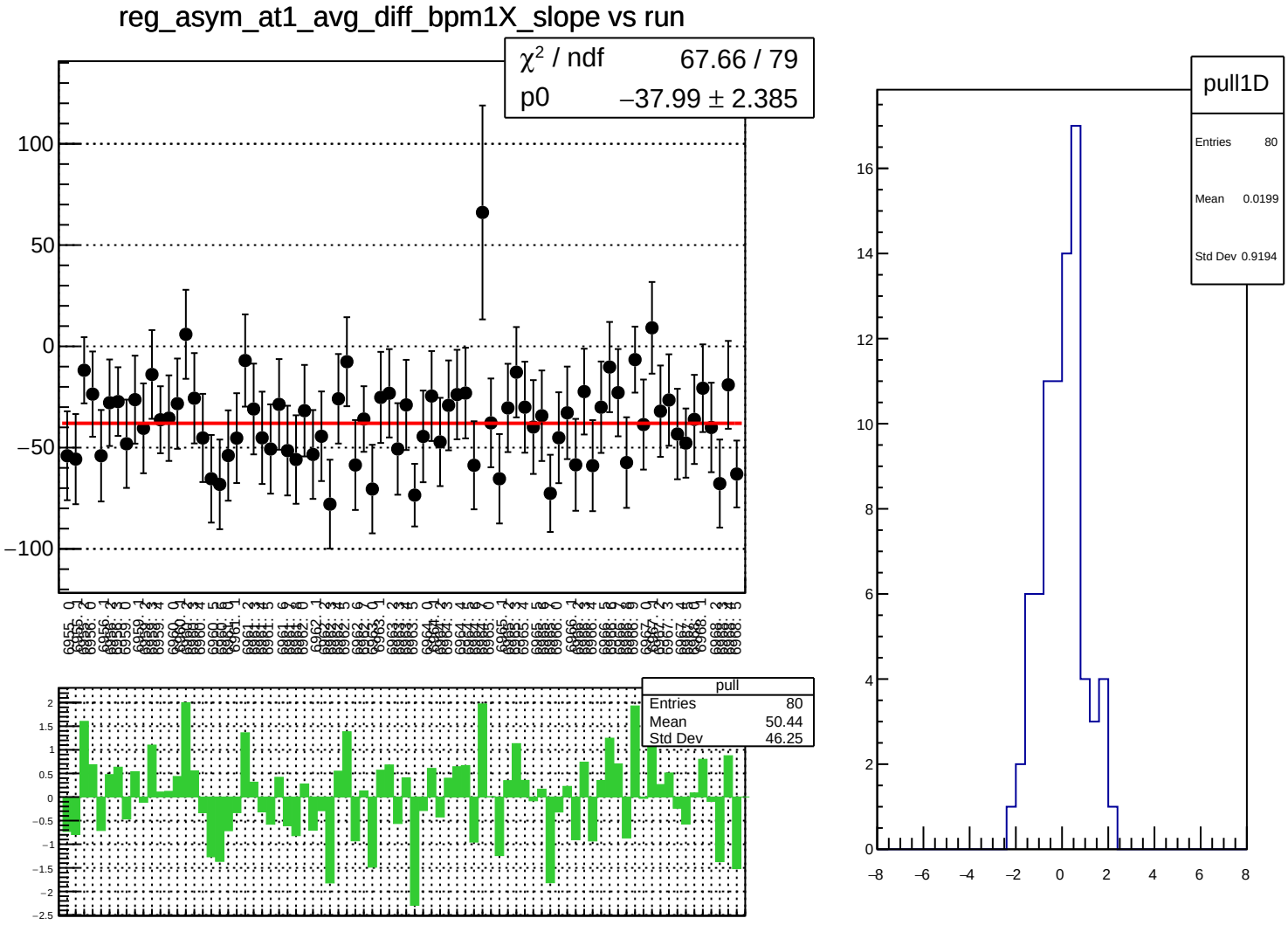

pull1D
Entries 80
Mean −0.003327
Std Dev 0.3467

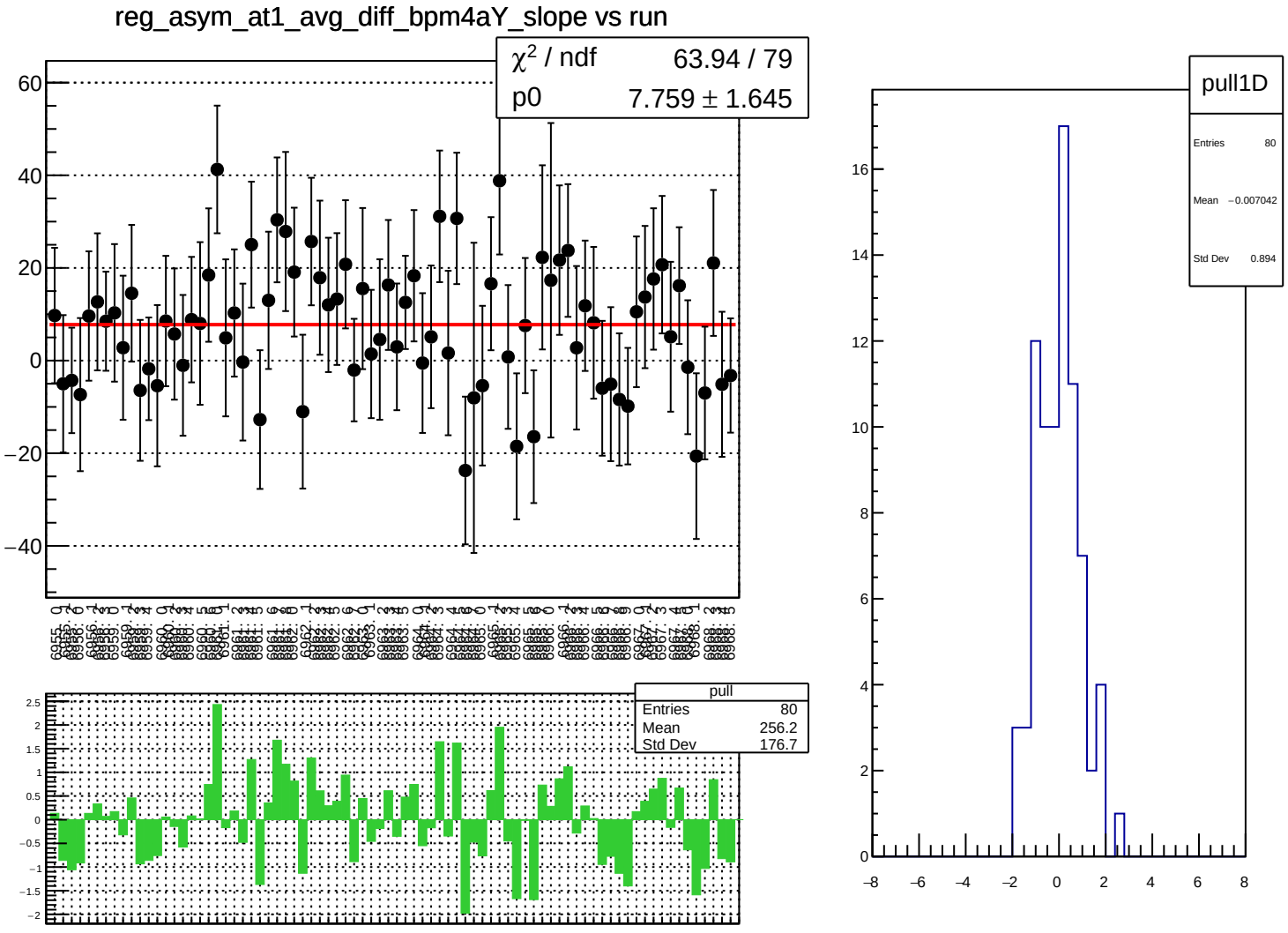

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.596 / 79
p0 −68.2 ± 5.411
pull
Entries 80
Mean 90.96
Std Dev 64.17

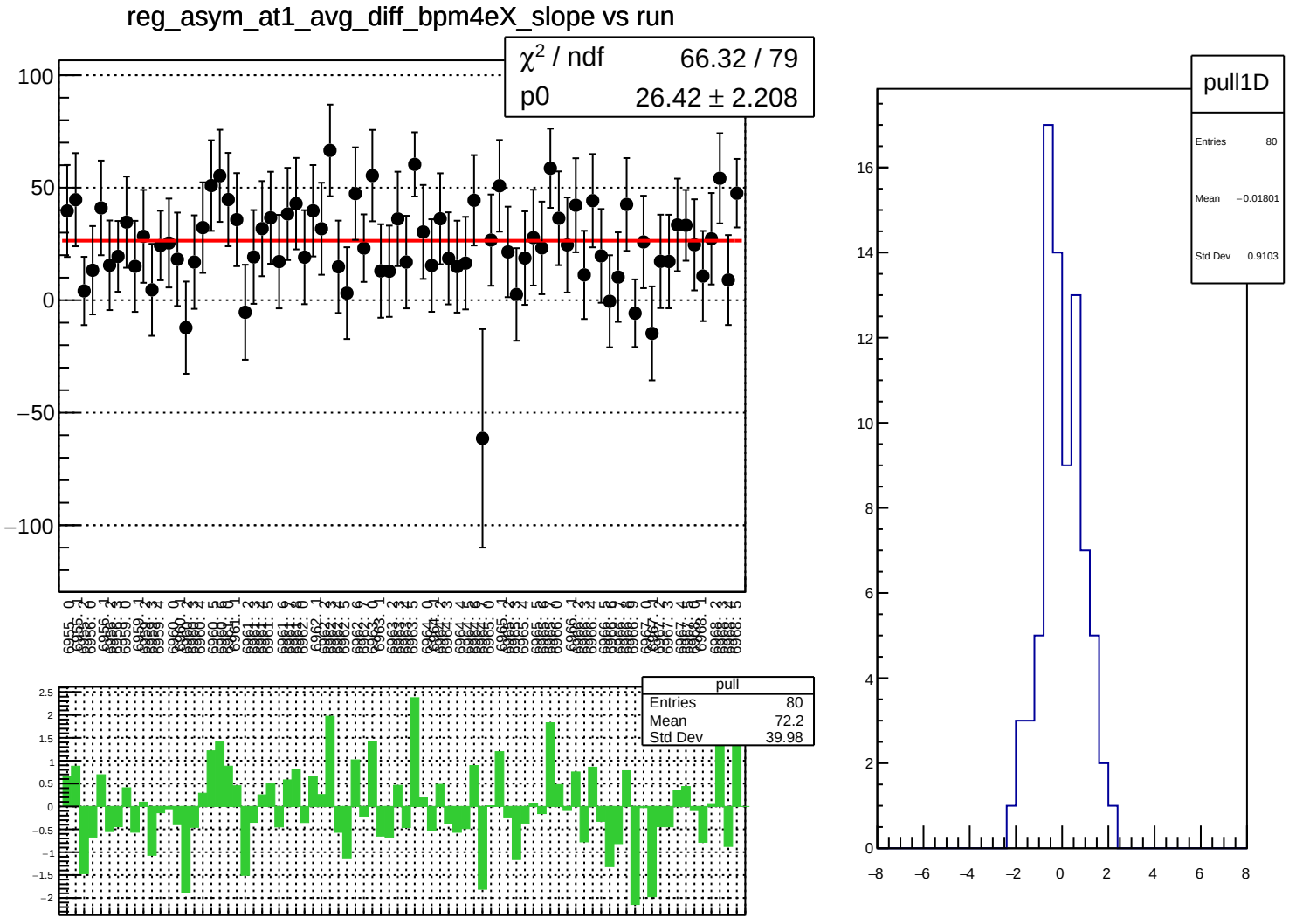

pull1D
Entries 80
Mean 0.007588
Std Dev 0.3277

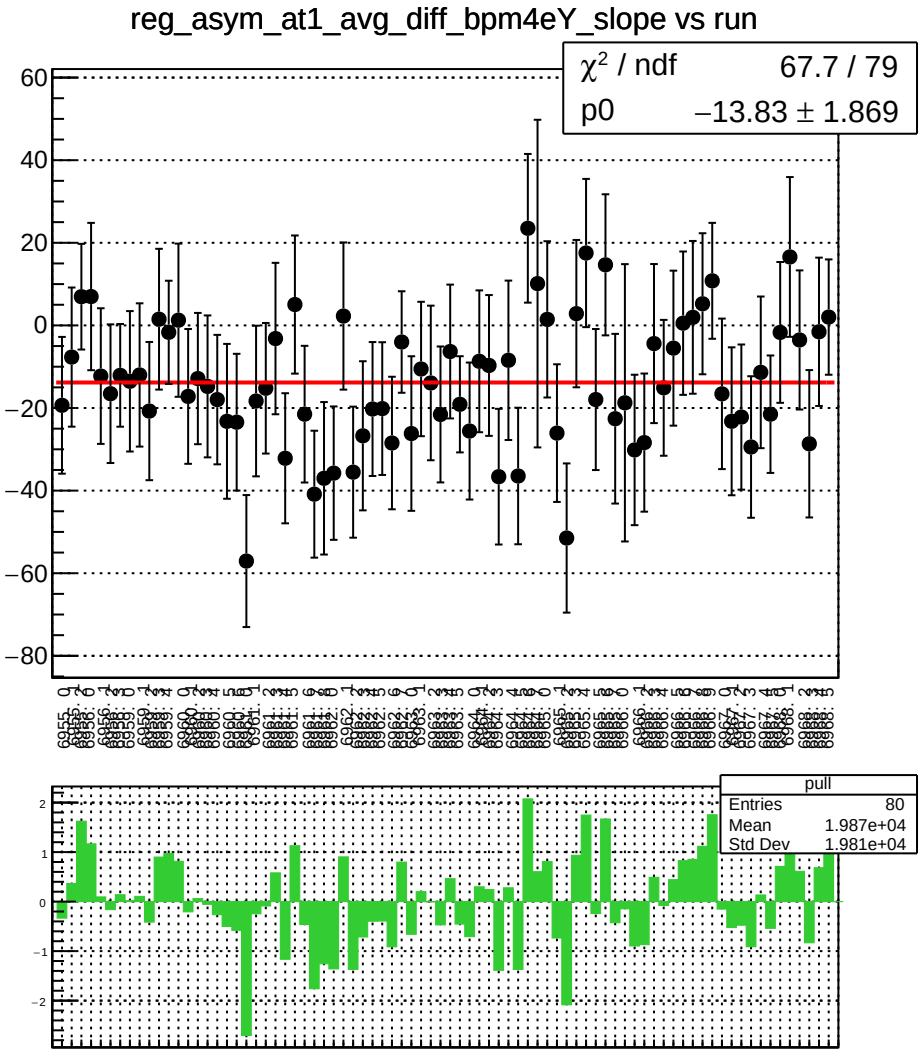

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.434 / 79
p0 121.4 ± 0.212
pull
Entries 80
Mean −348.8
Std Dev 386.7

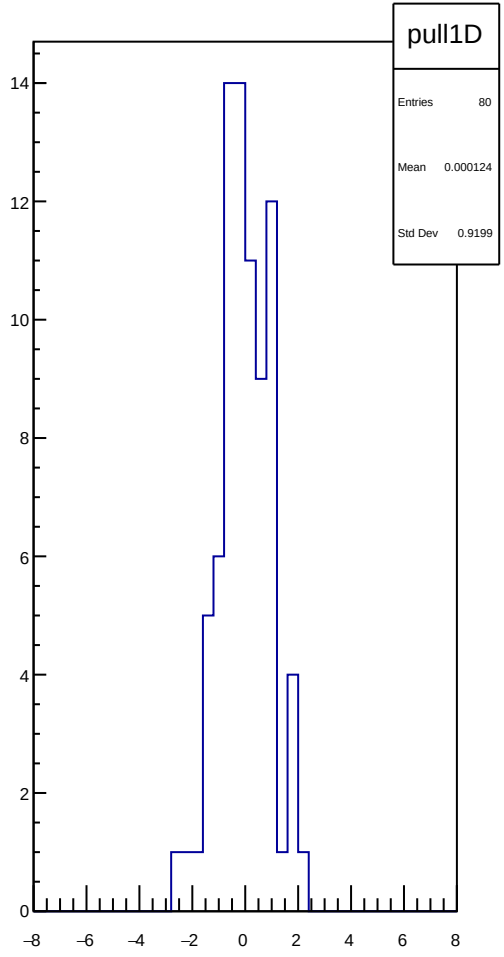

pull1D
Entries 80
Mean −0.002962
Std Dev 0.3434

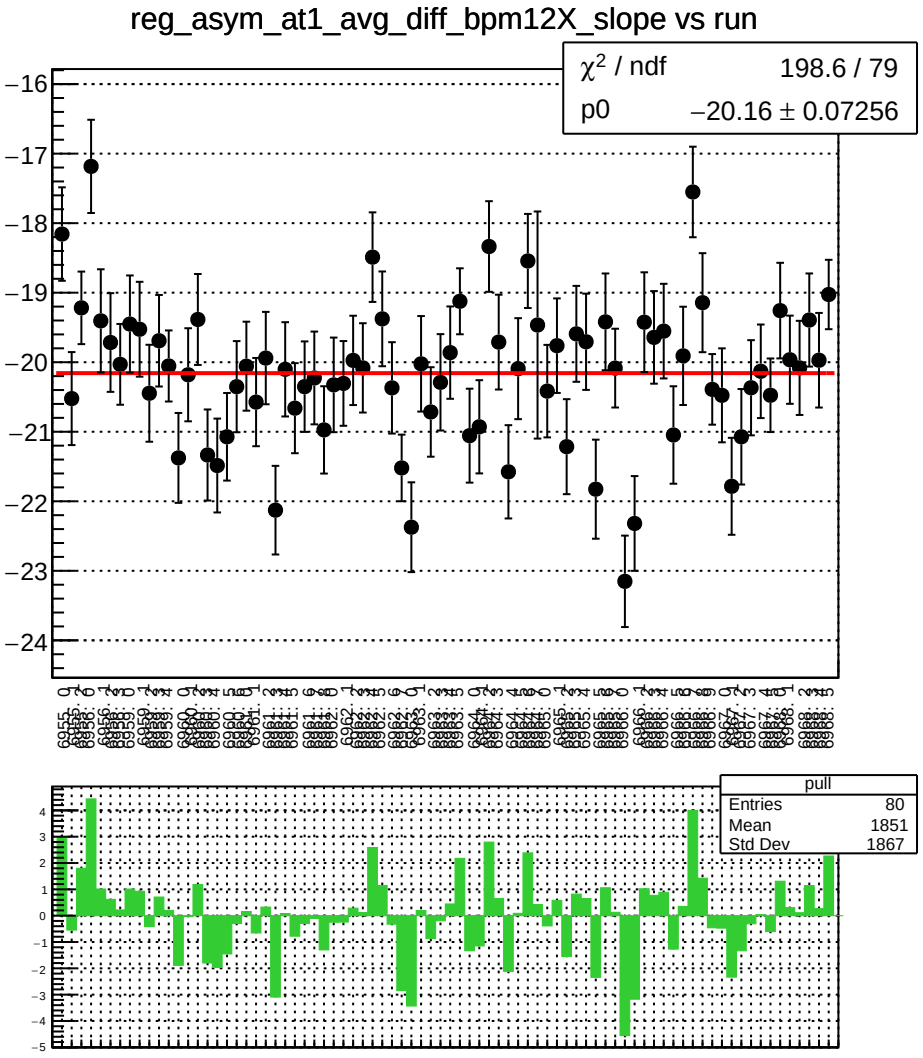

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 67.66 / 79
p0 −37.99 ± 2.385
pull
Entries 80
Mean 50.44
Std Dev 46.25
pull1D
Entries 80
Mean 0.0199
Std Dev 0.9194

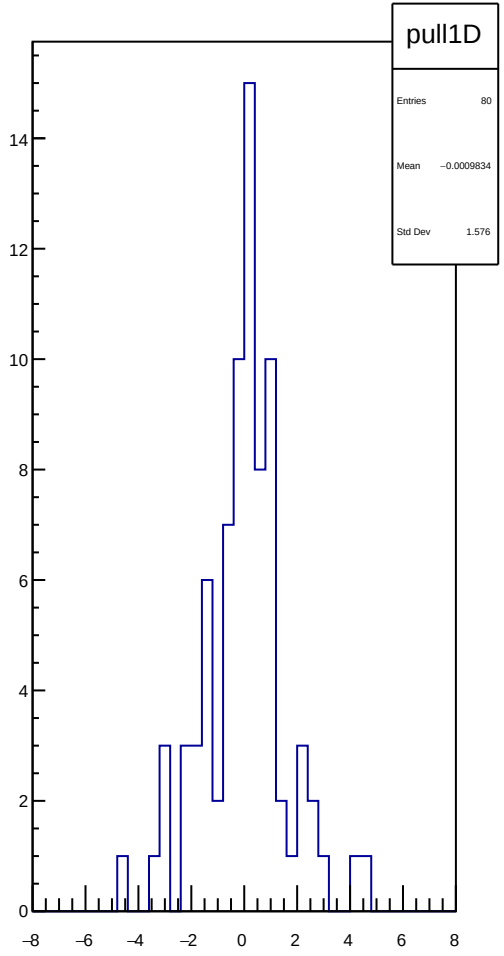

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.94 / 79
p0 7.759 ± 1.645
pull
Entries 80
Mean 256.2
Std Dev 176.7
pull1D
Entries 80
Mean −0.007042
Std Dev 0.894

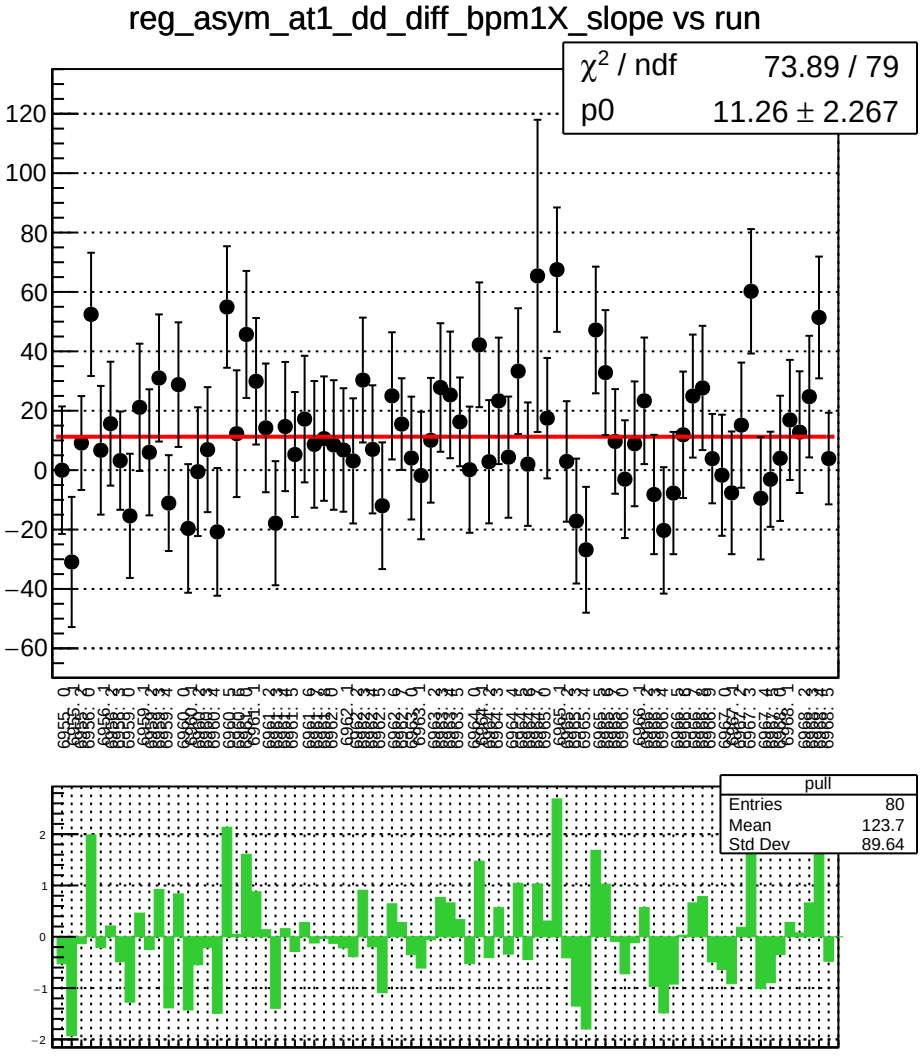

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 66.32 / 79
p0 26.42 ± 2.208
pull
Entries 80
Mean 72.2
Std Dev 39.98
pull1D
Entries 80
Mean −0.01801
Std Dev 0.9103

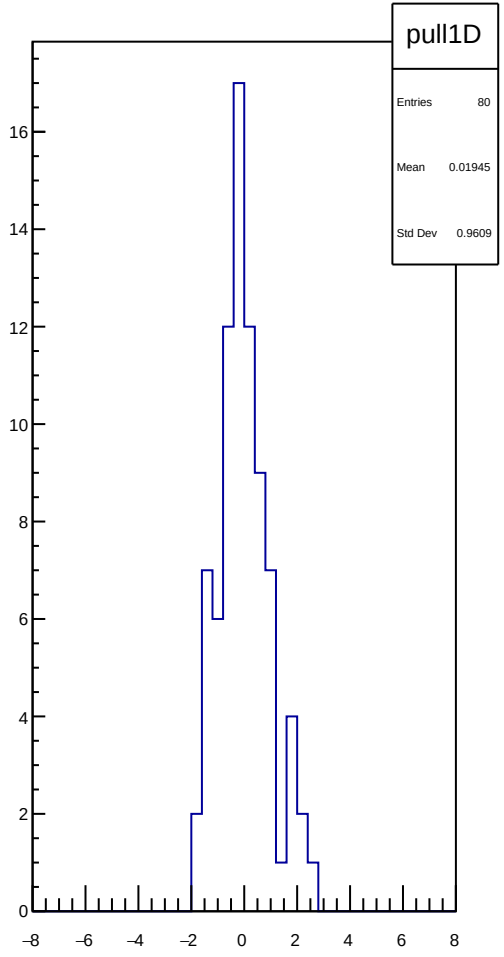

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.7 / 79
p0 −13.83 ± 1.869
pull
Entries 80
Mean 1.987e+04
Std Dev 1.981e+04

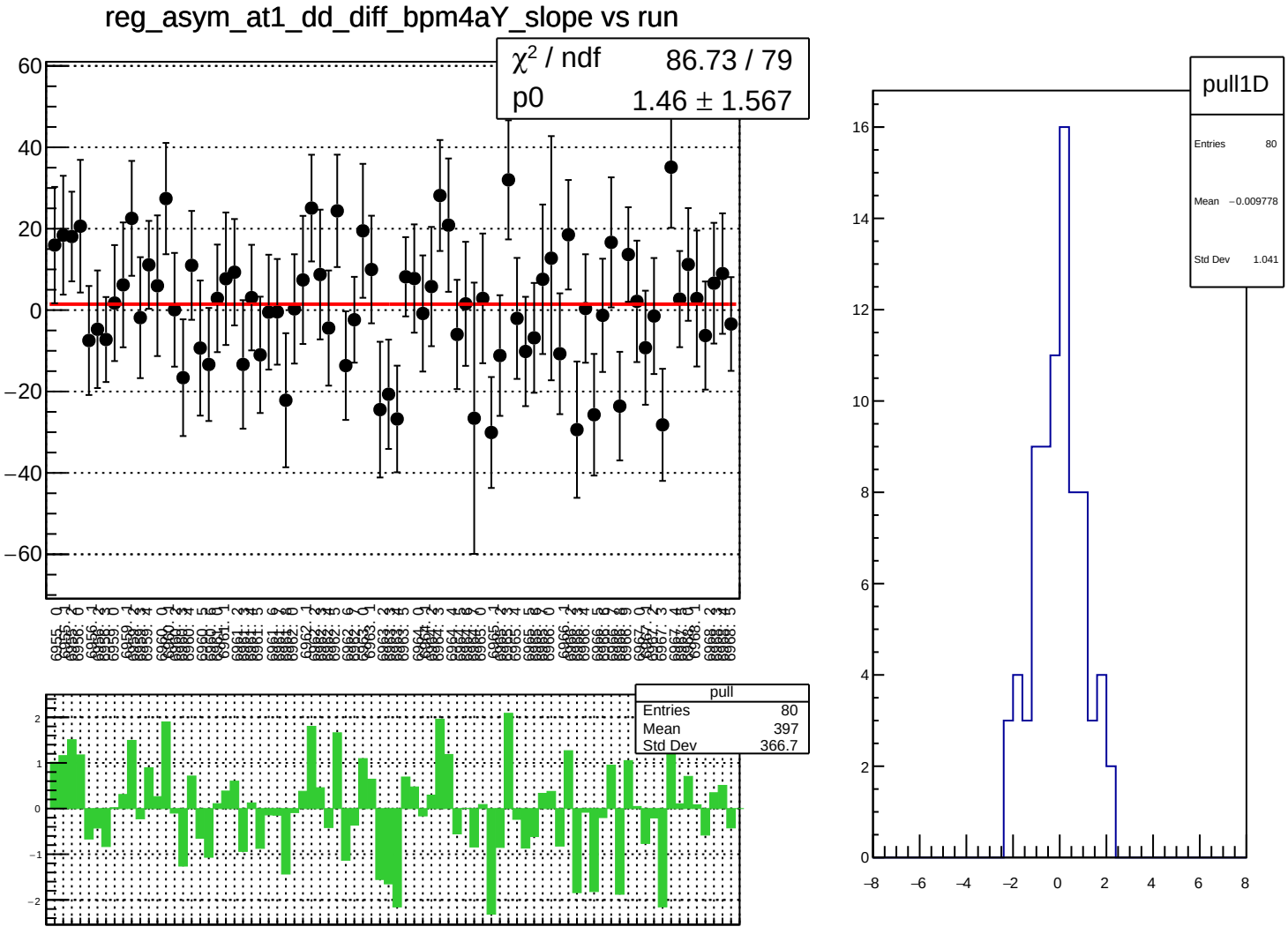

pull1D
Entries 80
Mean 0.000124
Std Dev 0.9199

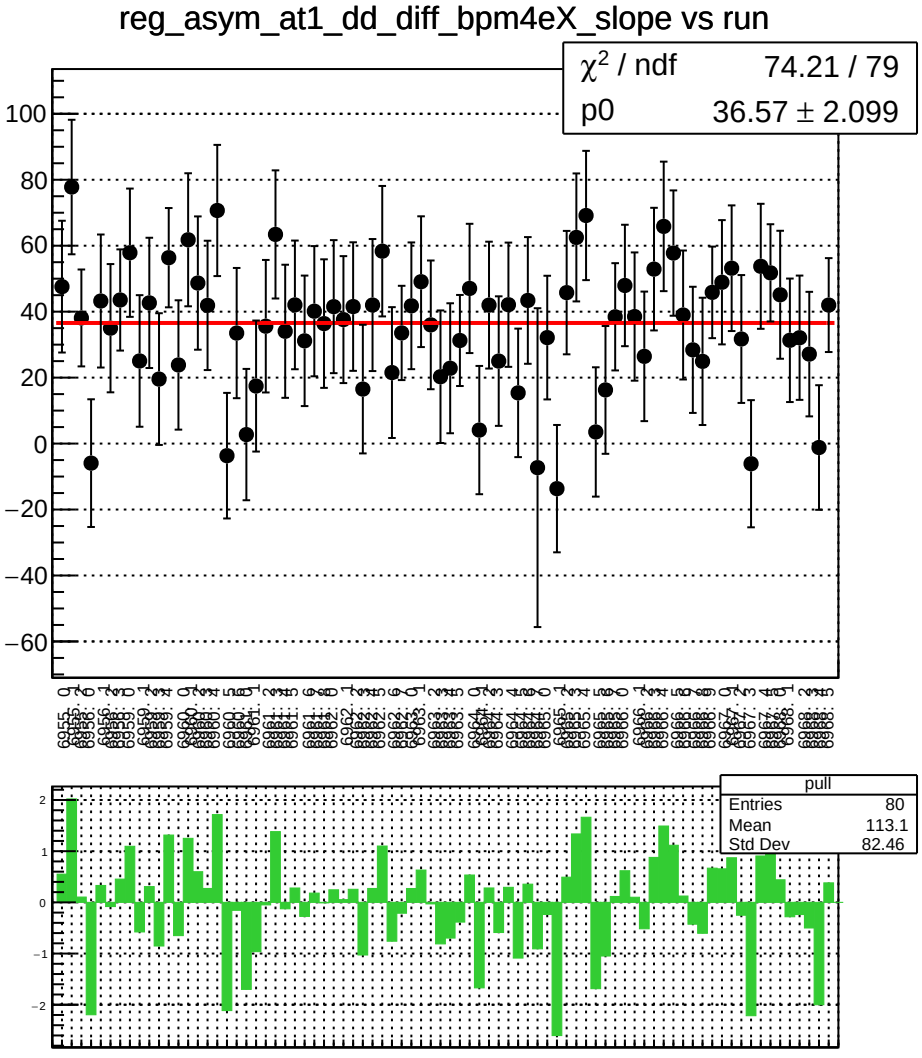

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 198.6 / 79
p0 −20.16 ± 0.07256
pull
Entries 80
Mean 1851
Std Dev 1867

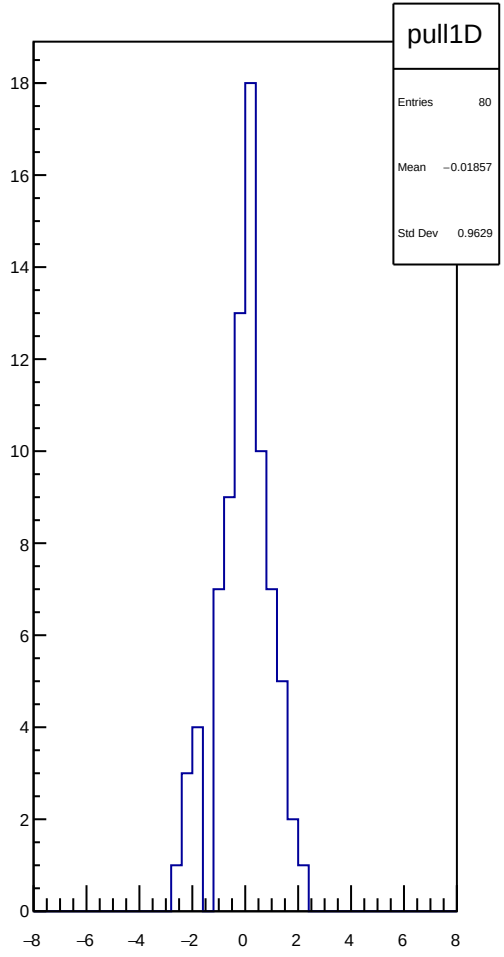

pull1D
Entries 80
Mean −0.0009834
Std Dev 1.576

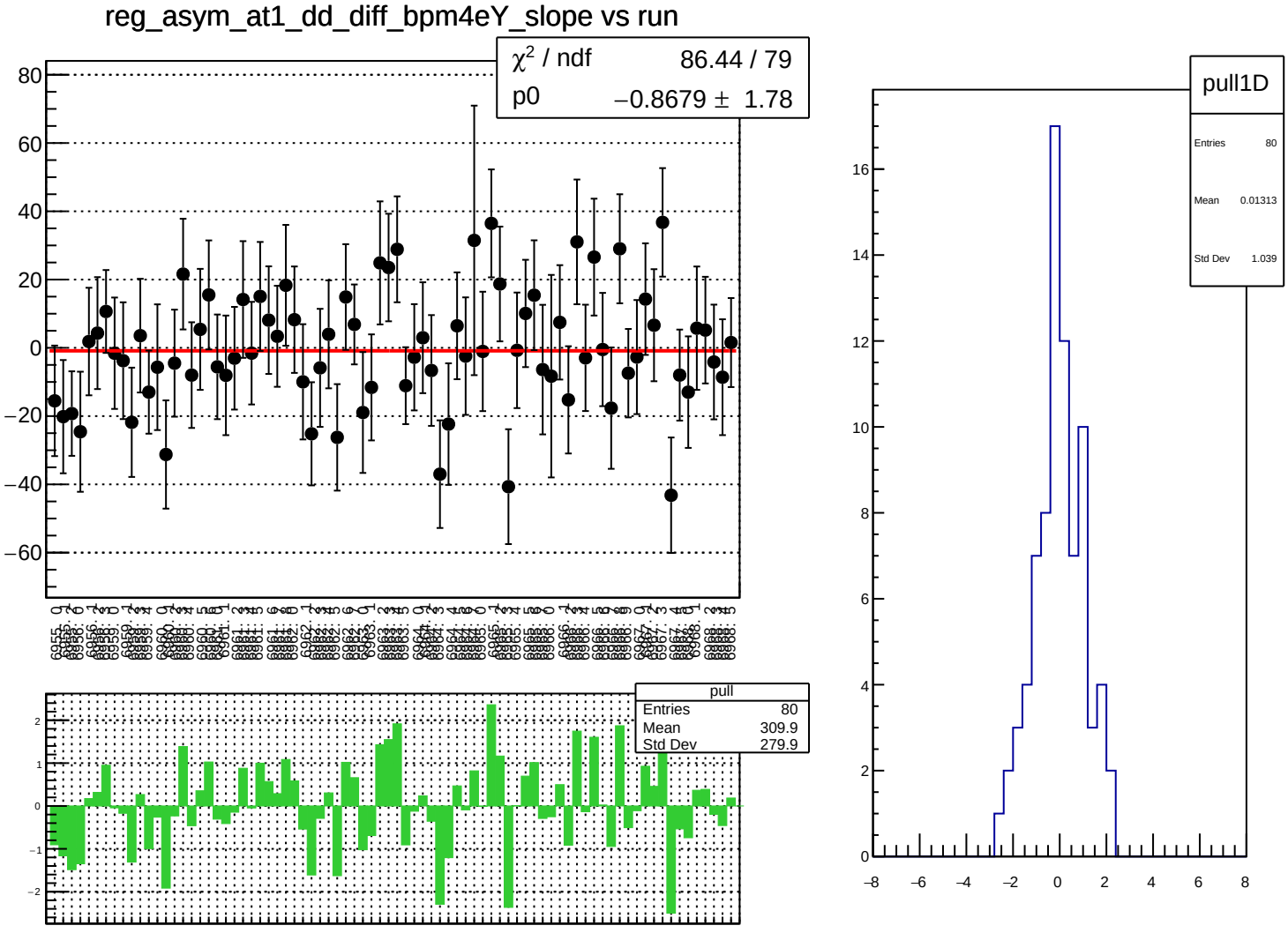

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 73.89 / 79
p0 11.26 ± 2.267
pull
Entries 80
Mean 123.7
Std Dev 89.64

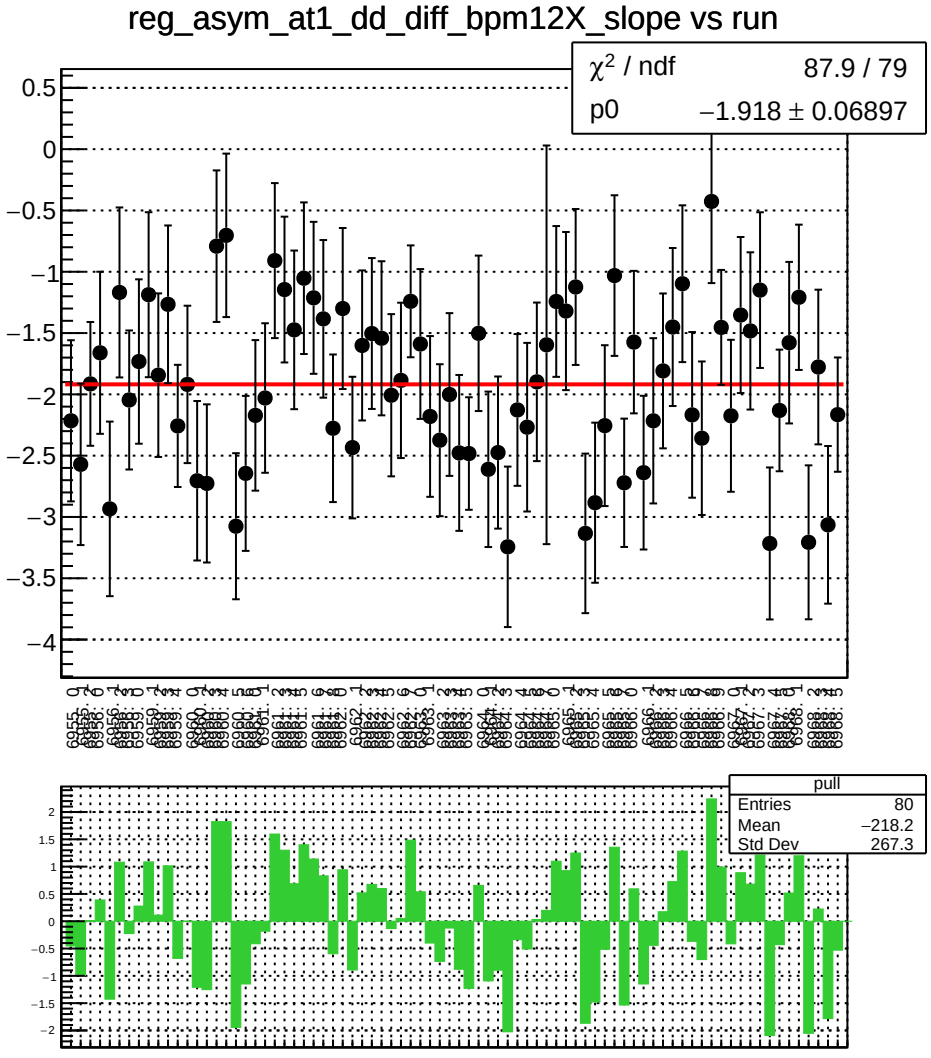

pull1D
Entries 80
Mean 0.01945
Std Dev 0.9609

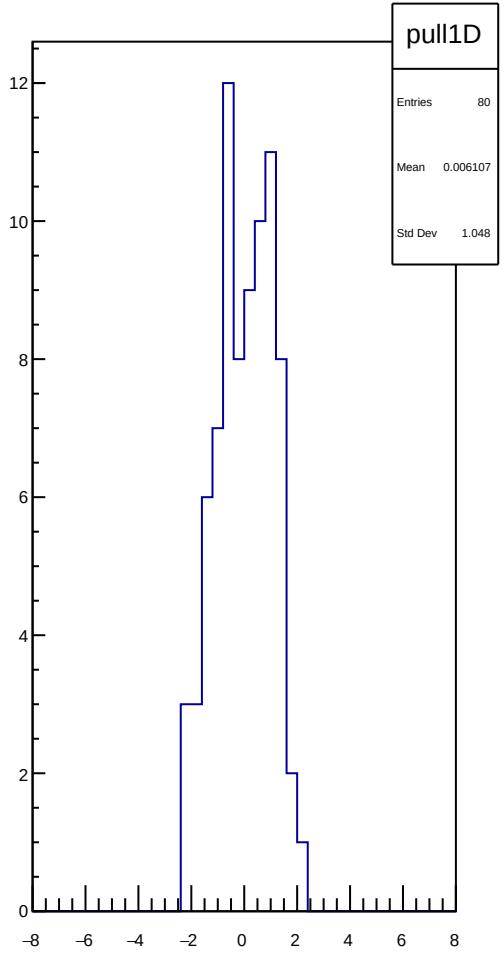

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.73 / 79
p0 1.46 ± 1.567
pull
Entries 80
Mean 397
Std Dev 366.7
pull1D
Entries 80
Mean −0.009778
Std Dev 1.041

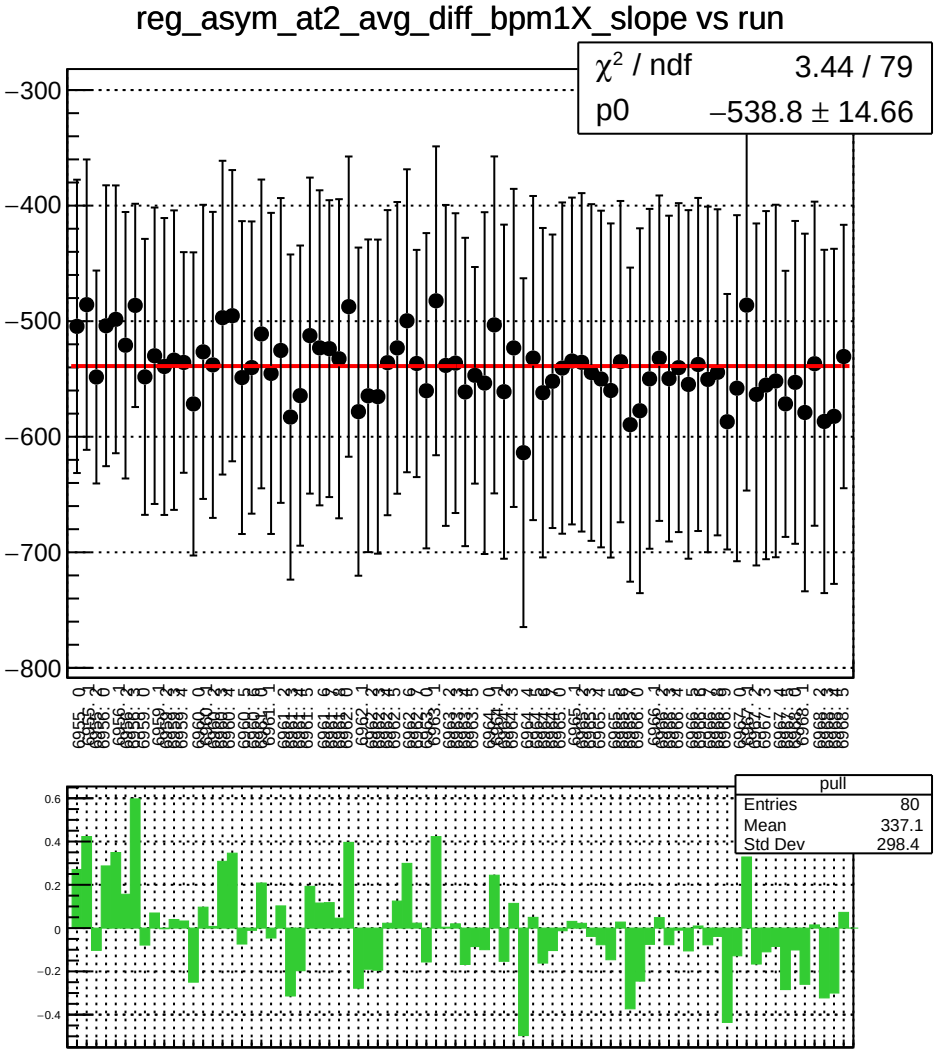

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 74.21 / 79
p0 36.57 ± 2.099
pull
Entries 80
Mean 113.1
Std Dev 82.46

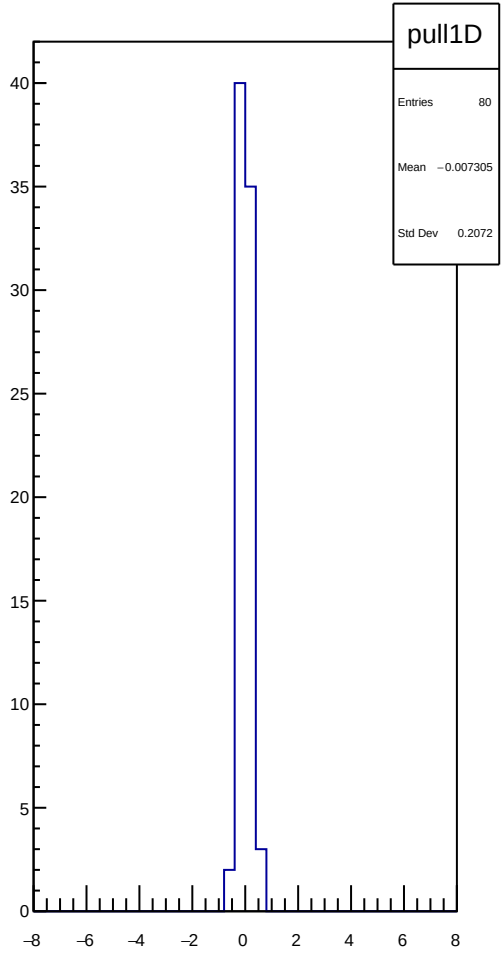

pull1D
Entries 80
Mean −0.01857
Std Dev 0.9629

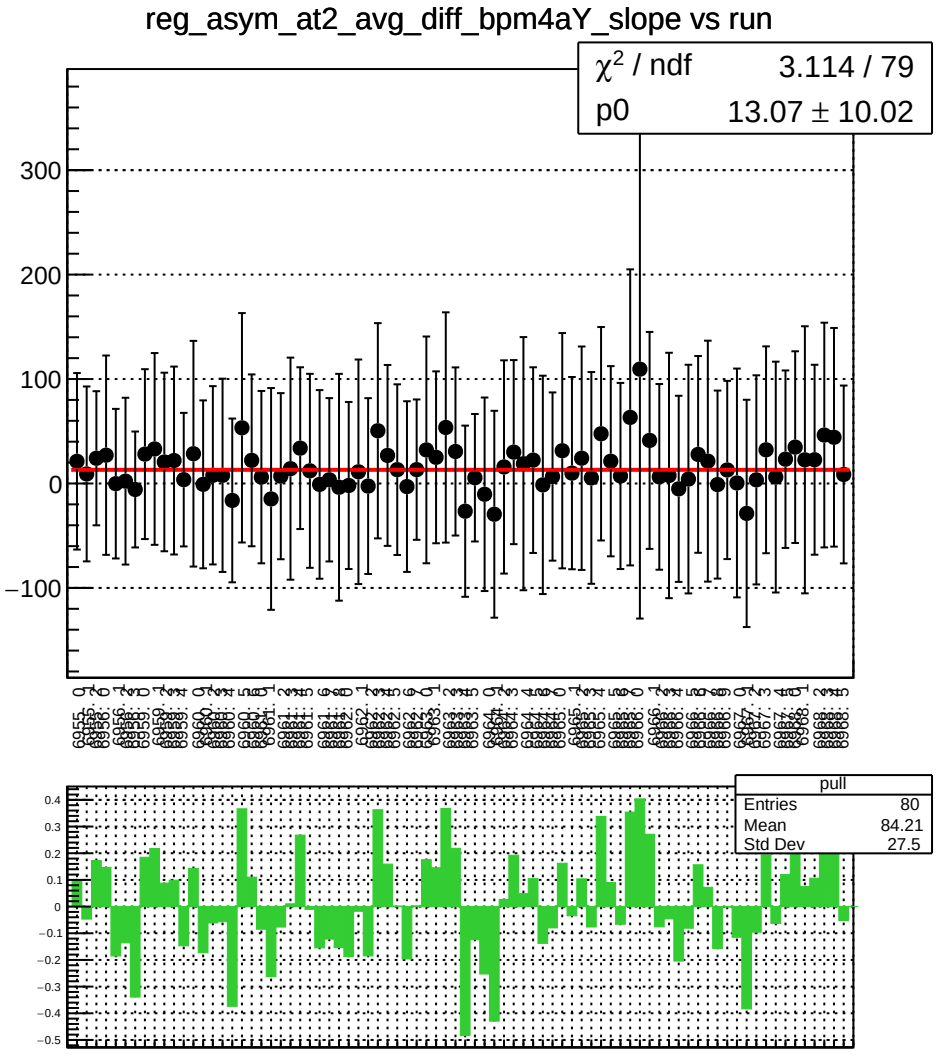

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.44 / 79
p0 −0.8679 ± 1.78
pull
Entries 80
Mean 309.9
Std Dev 279.9
pull1D
Entries 80
Mean 0.01313
Std Dev 1.039

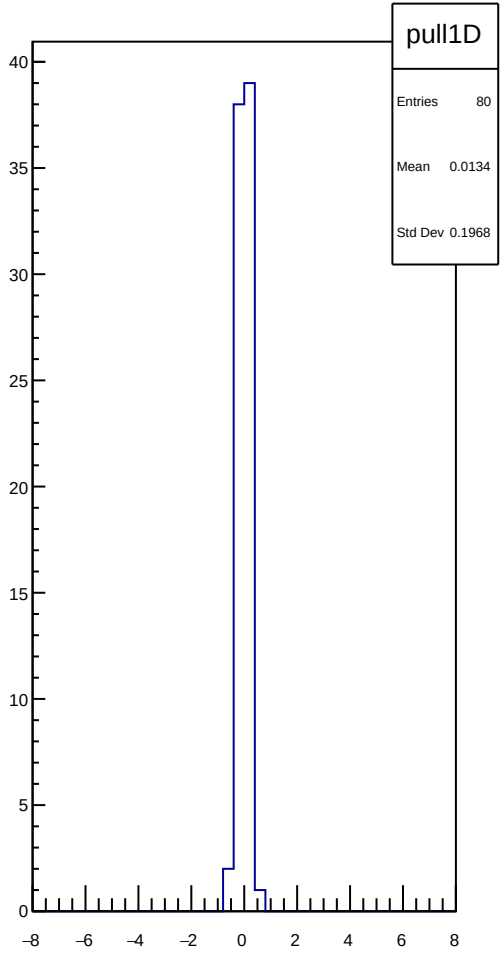

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 87.9 / 79
p0 −1.918 ± 0.06897
pull
Entries 80
Mean −218.2
Std Dev 267.3

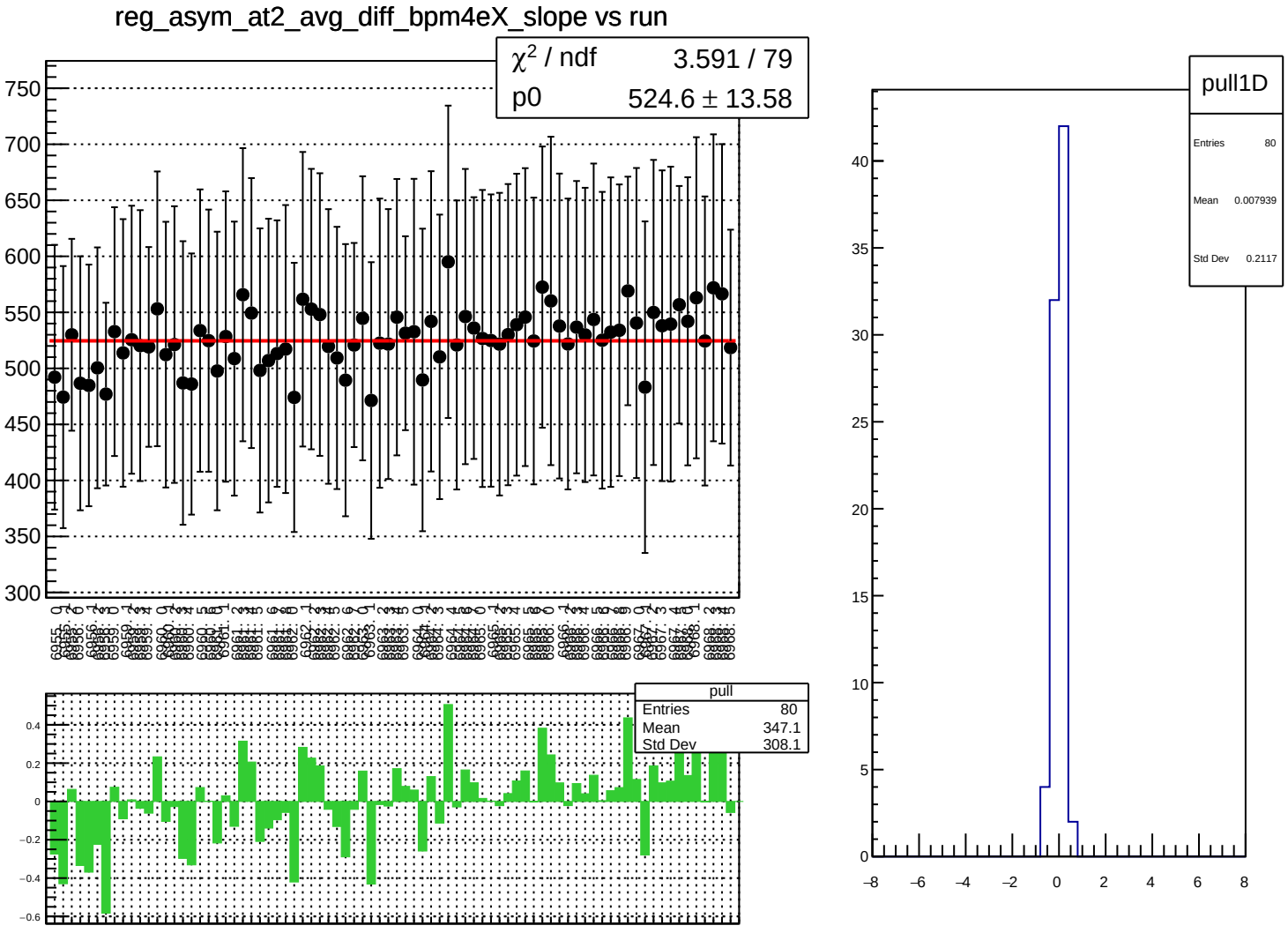

pull1D
Entries 80
Mean 0.006107
Std Dev 1.048

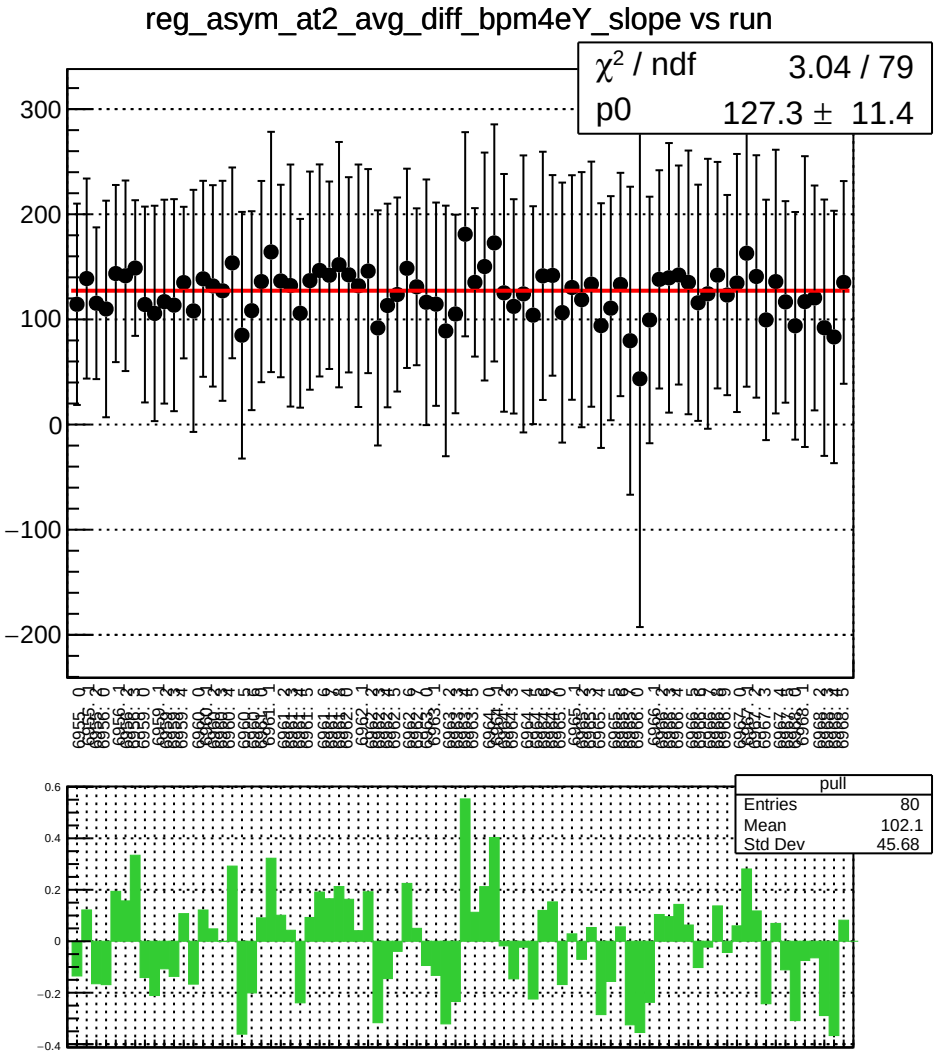

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 3.44 / 79
p0 −538.8 ± 14.66
pull
Entries 80
Mean 337.1
Std Dev 298.4

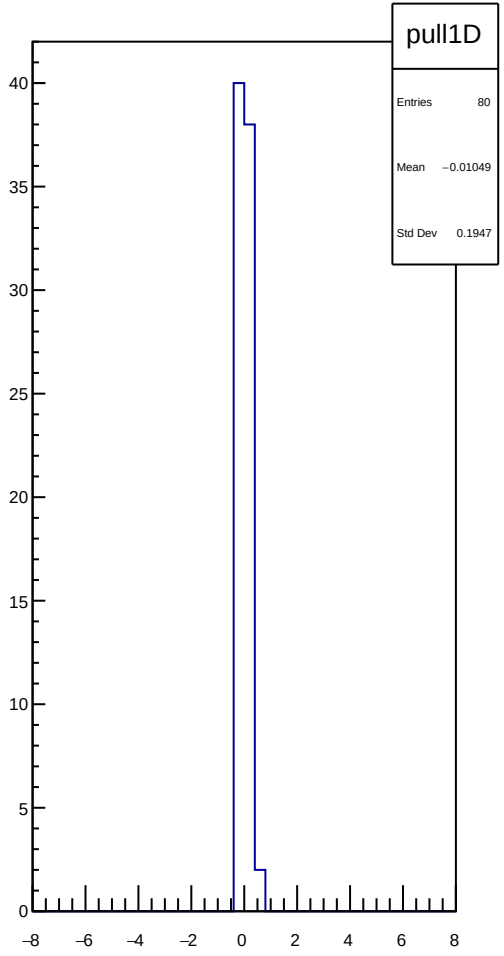

pull1D
Entries 80
Mean −0.007305
Std Dev 0.2072

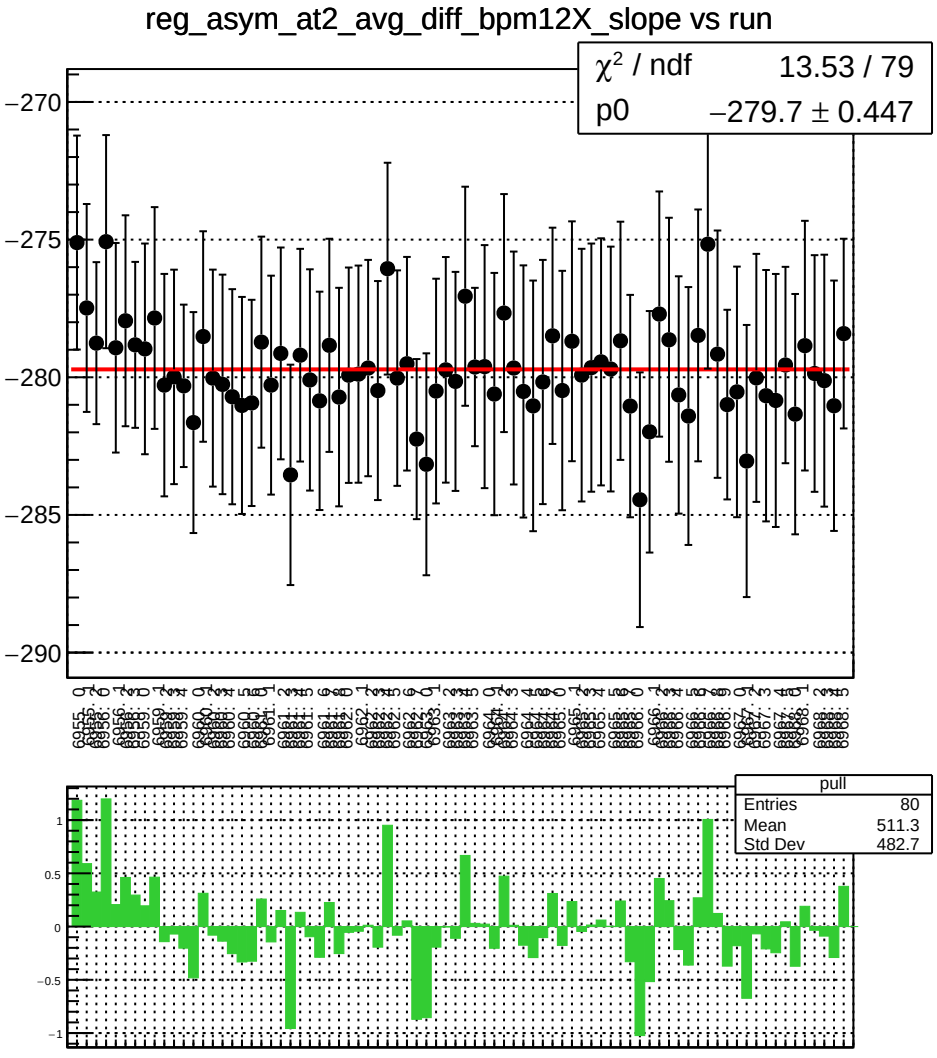

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.114 / 79
p0 13.07 ± 10.02
pull
Entries 80
Mean 84.21
Std Dev 27.5

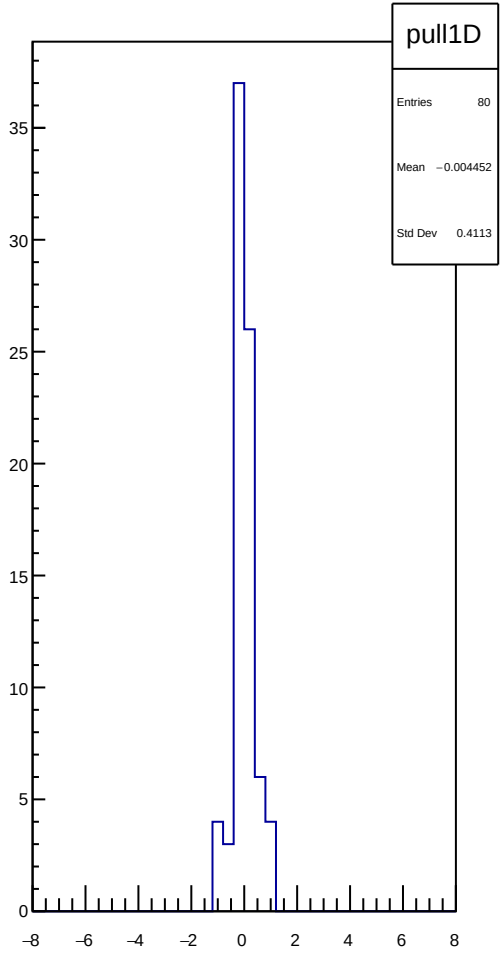

pull1D
Entries 80
Mean 0.0134
Std Dev 0.1968

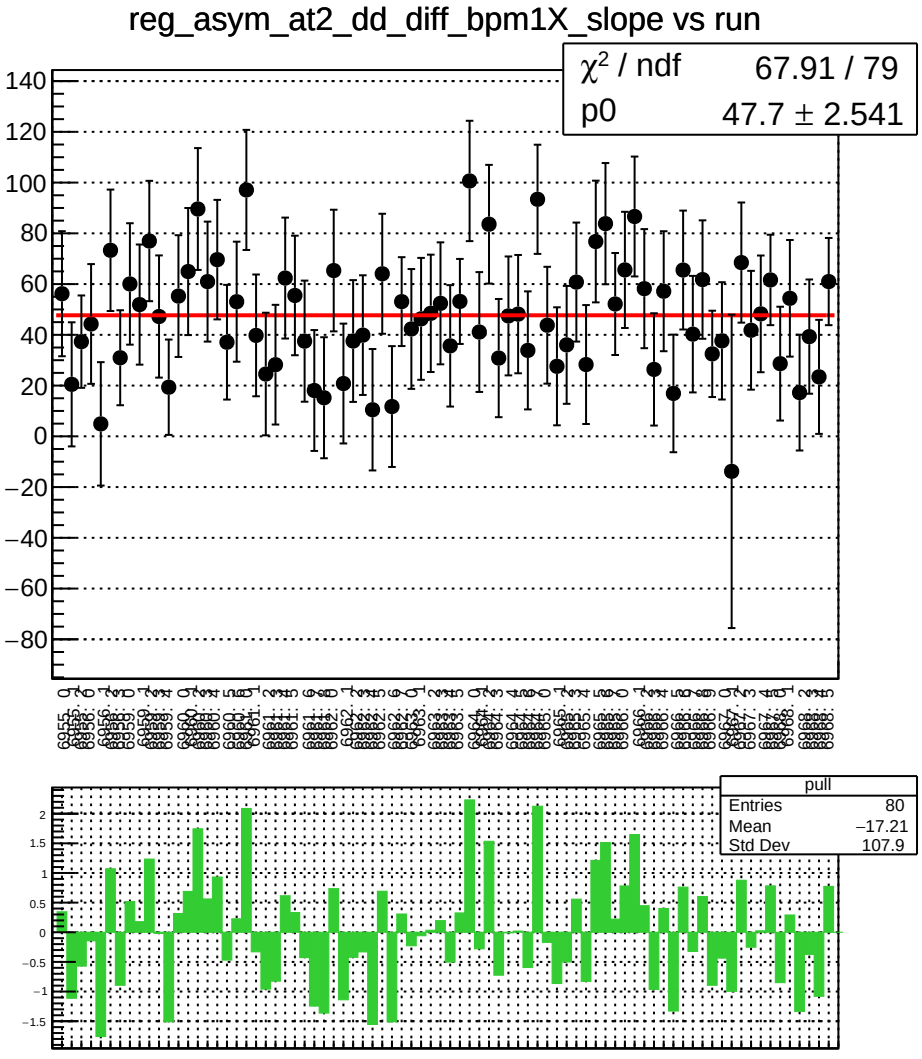

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.591 / 79
p0 524.6 ± 13.58
pull
Entries 80
Mean 347.1
Std Dev 308.1
pull1D
Entries 80
Mean 0.007939
Std Dev 0.2117

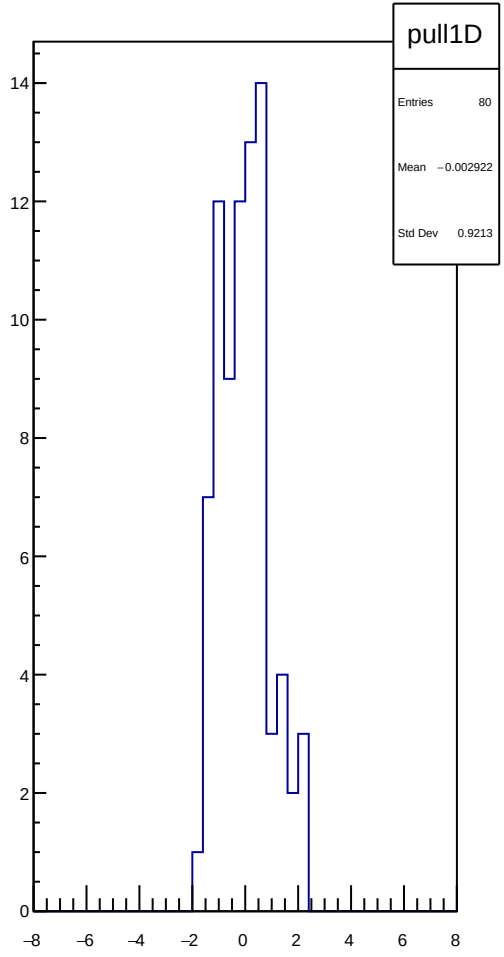

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.04 / 79
p0 127.3 ± 11.4
pull
Entries 80
Mean 102.1
Std Dev 45.68

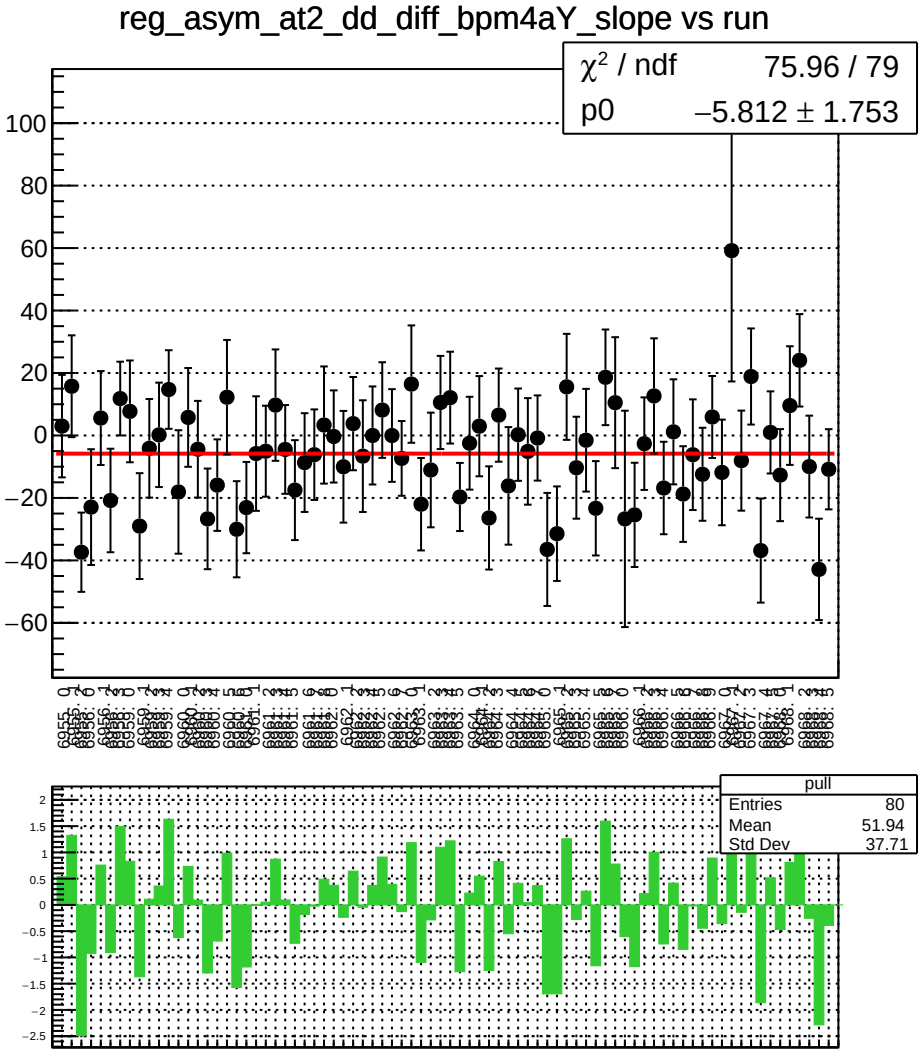

pull1D
Entries 80
Mean −0.01049
Std Dev 0.1947

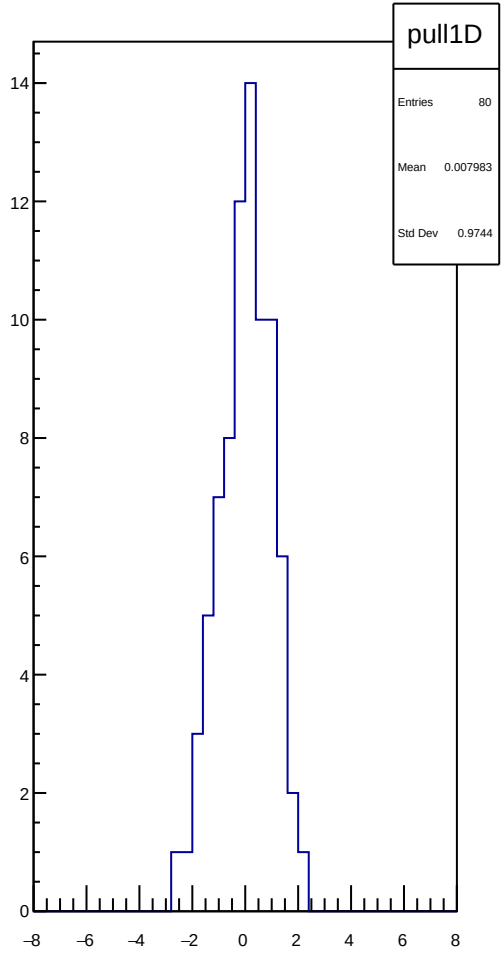

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.53 / 79
p0 −279.7 ± 0.447
pull
Entries 80
Mean 511.3
Std Dev 482.7

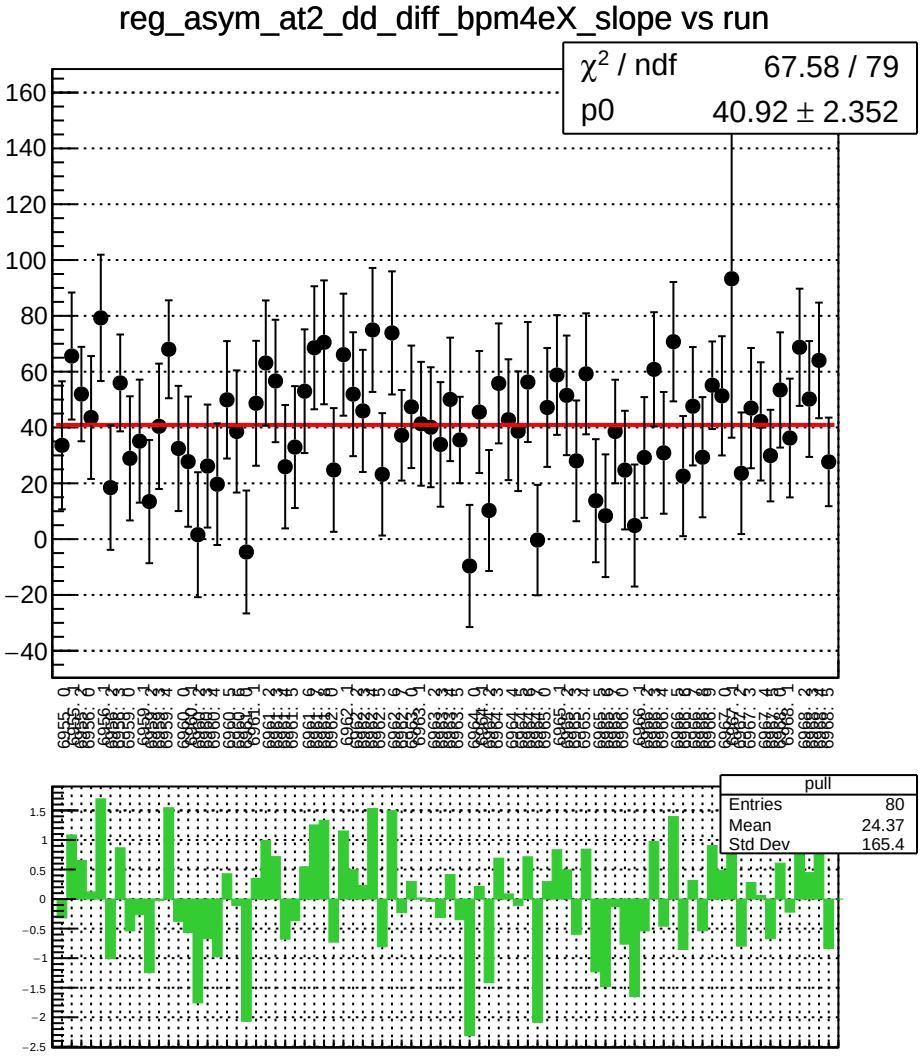

pull1D
Entries 80
Mean −0.004452
Std Dev 0.4113

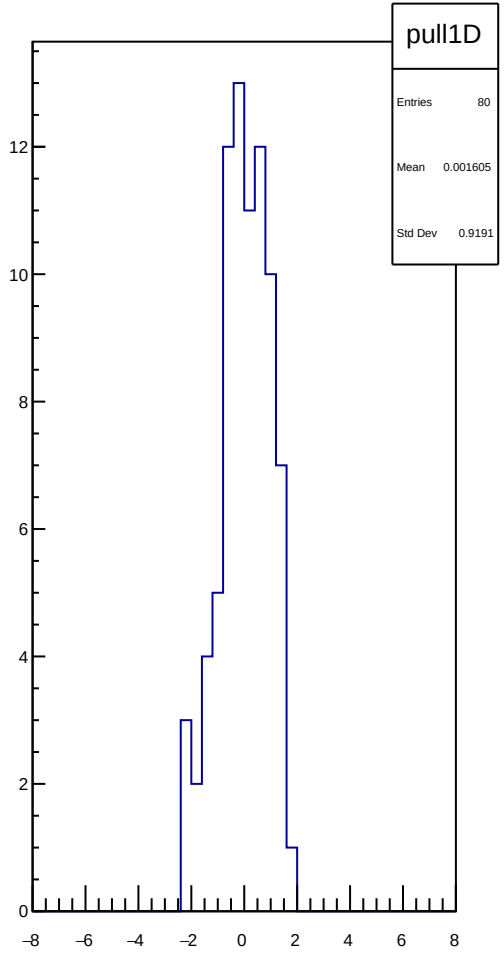

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 67.91 / 79
p0 47.7 ± 2.541
pull
Entries 80
Mean −17.21
Std Dev 107.9

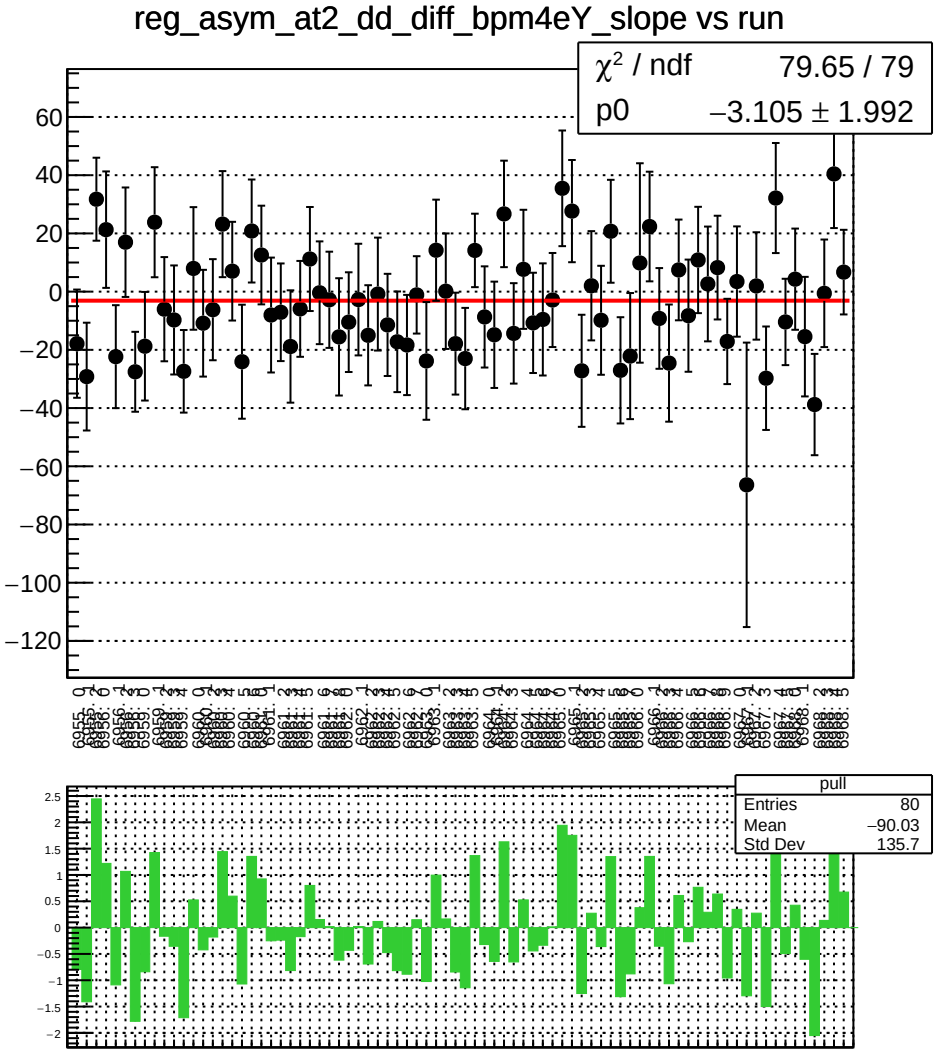

pull1D
Entries 80
Mean −0.002922
Std Dev 0.9213

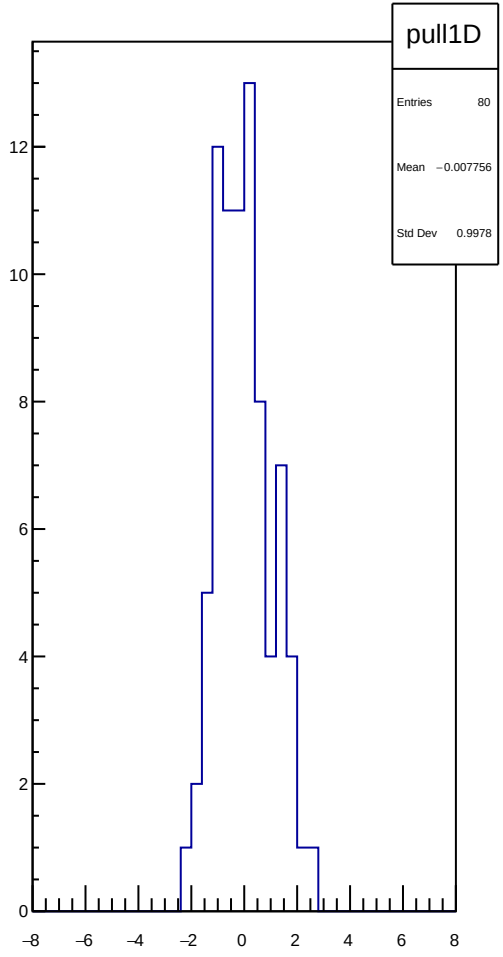

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 75.96 / 79
p0 −5.812 ± 1.753
pull
Entries 80
Mean 51.94
Std Dev 37.71

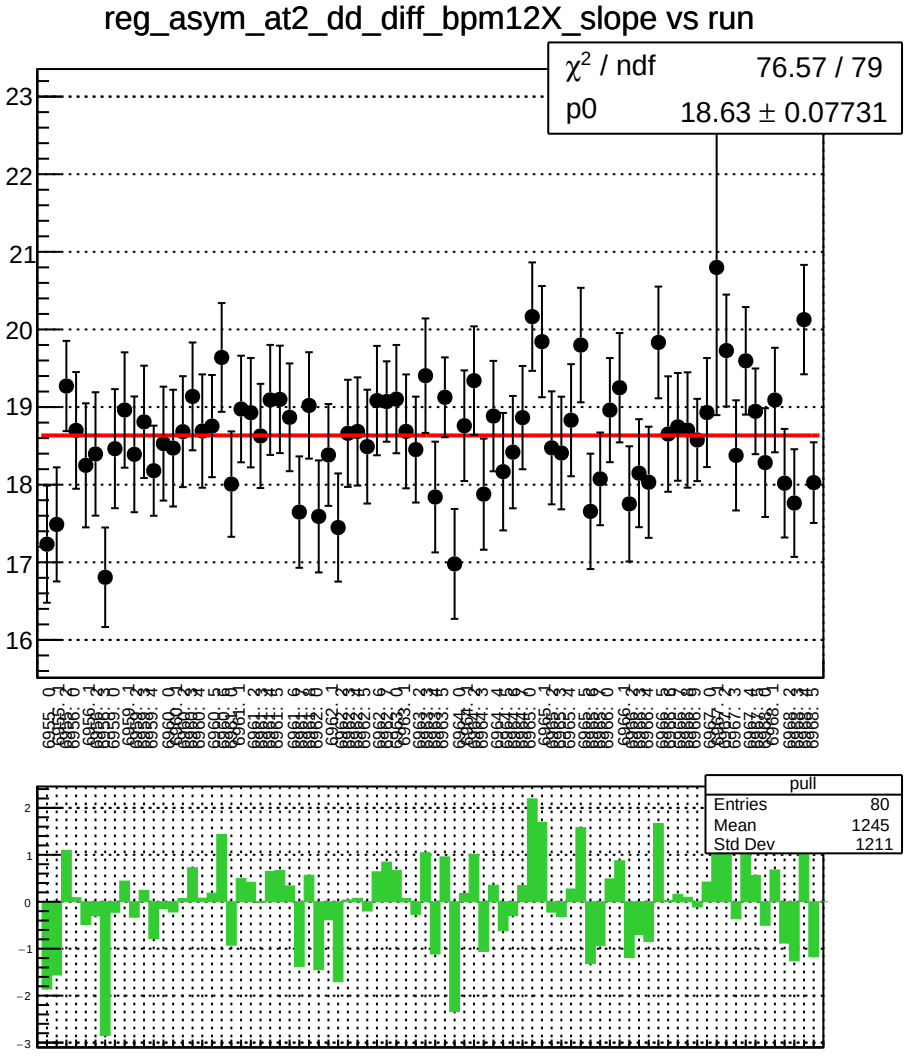

pull1D
Entries 80
Mean 0.007983
Std Dev 0.9744

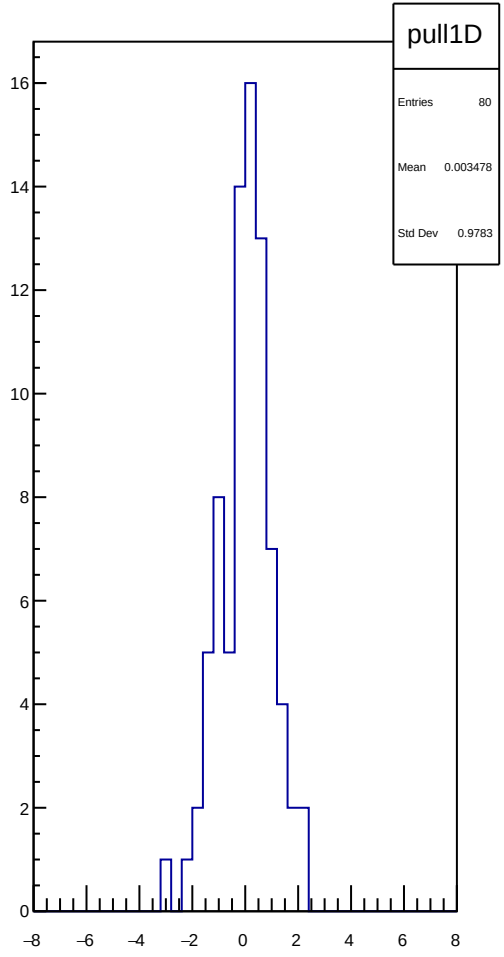

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 67.58 / 79
p0 40.92 ± 2.352
pull
Entries 80
Mean 24.37
Std Dev 165.4

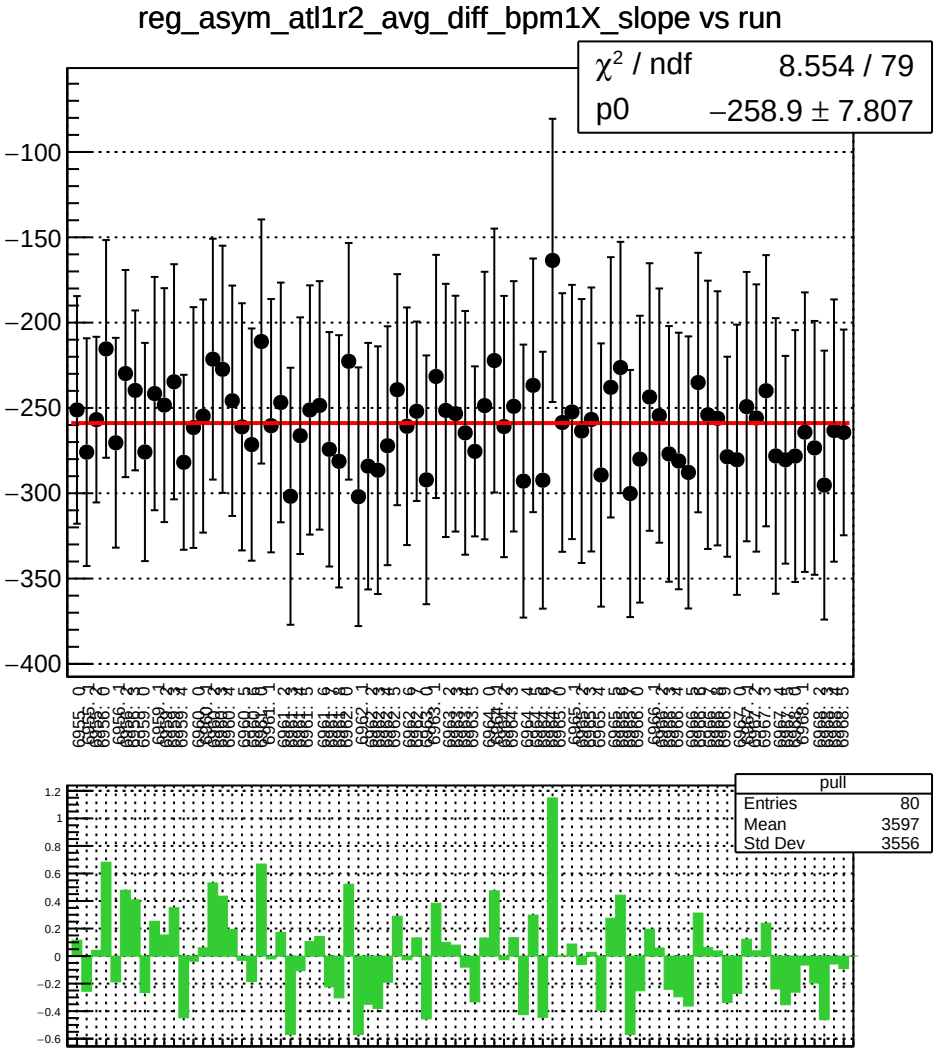

pull1D
Entries 80
Mean 0.001605
Std Dev 0.9191

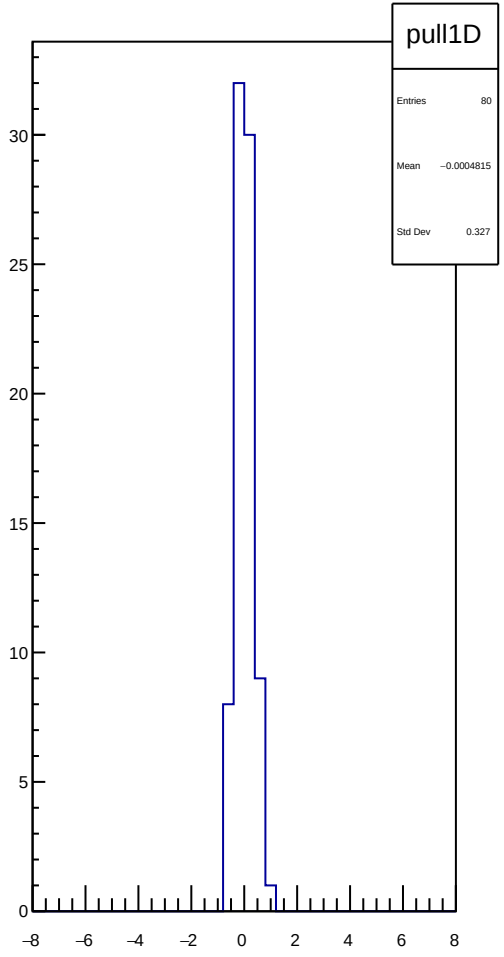

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.65 / 79
p0 −3.105 ± 1.992
pull
Entries 80
Mean −90.03
Std Dev 135.7

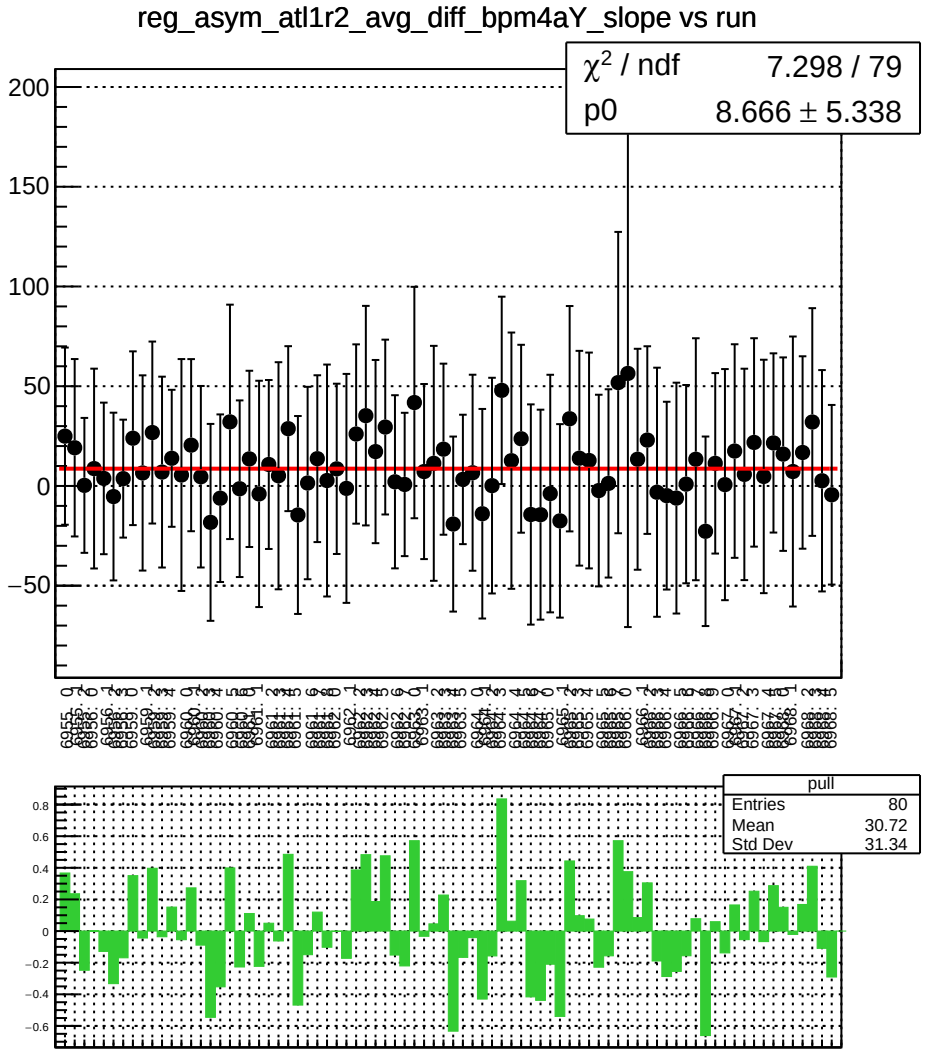

pull1D
Entries 80
Mean −0.007756
Std Dev 0.9978

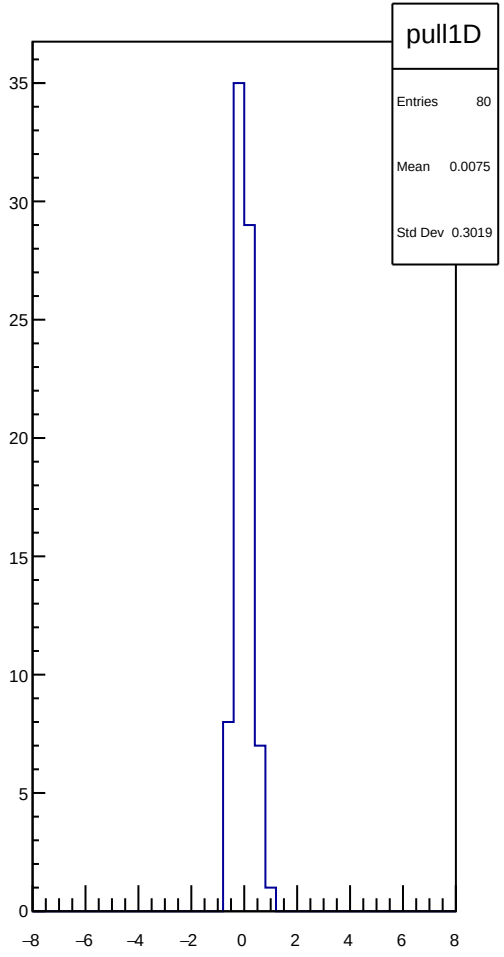

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.57 / 79
p0 18.63 ± 0.07731
pull
Entries 80
Mean 1245
Std Dev 1211

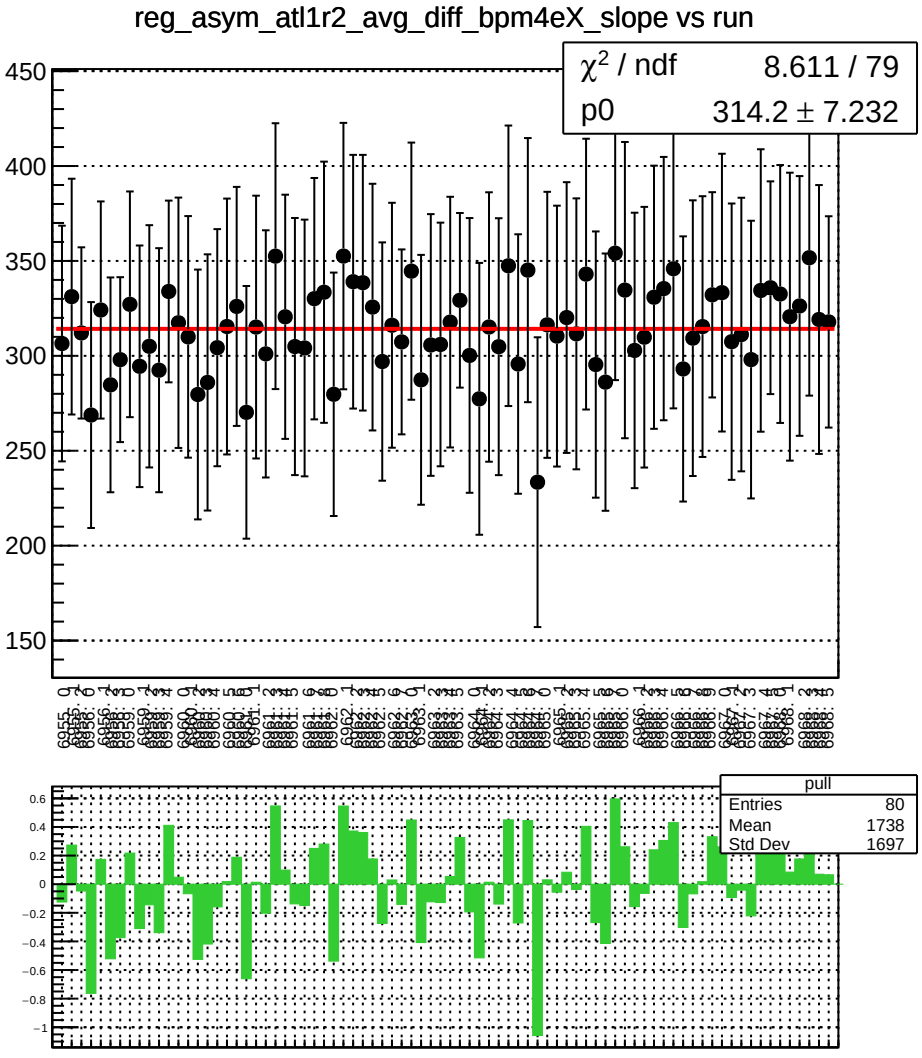

pull1D
Entries 80
Mean 0.003478
Std Dev 0.9783

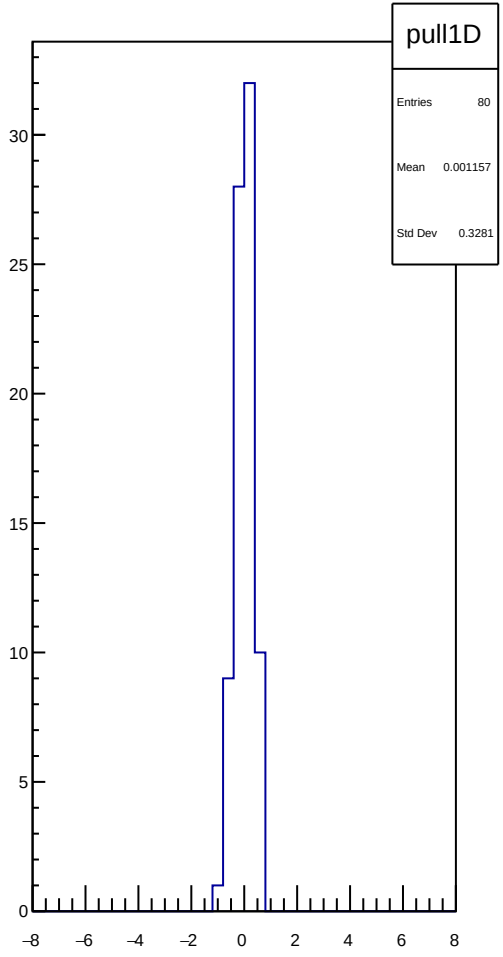

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.554 / 79
p0 −258.9 ± 7.807
pull
Entries 80
Mean 3597
Std Dev 3556

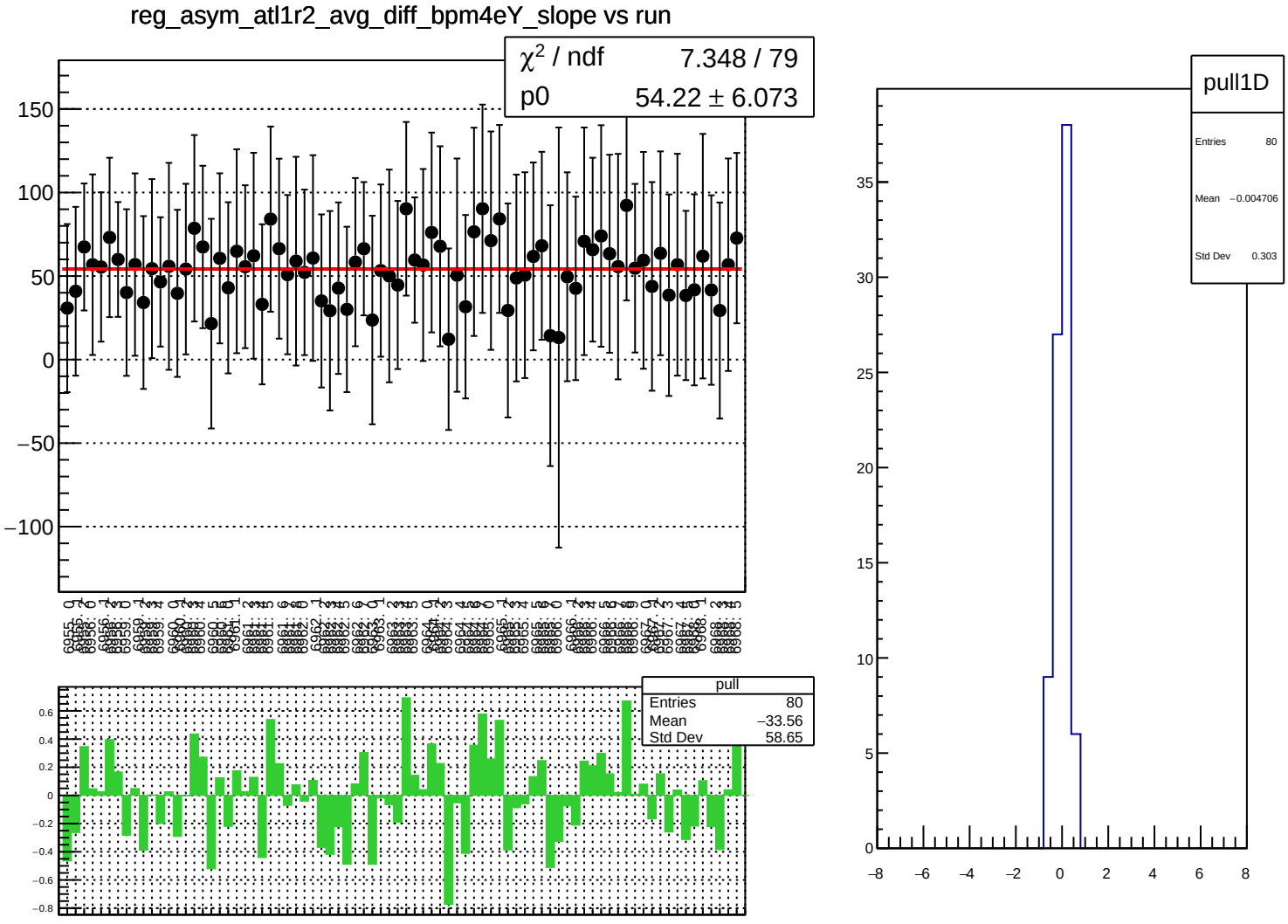

pull1D
Entries 80
Mean −0.0004815
Std Dev 0.327

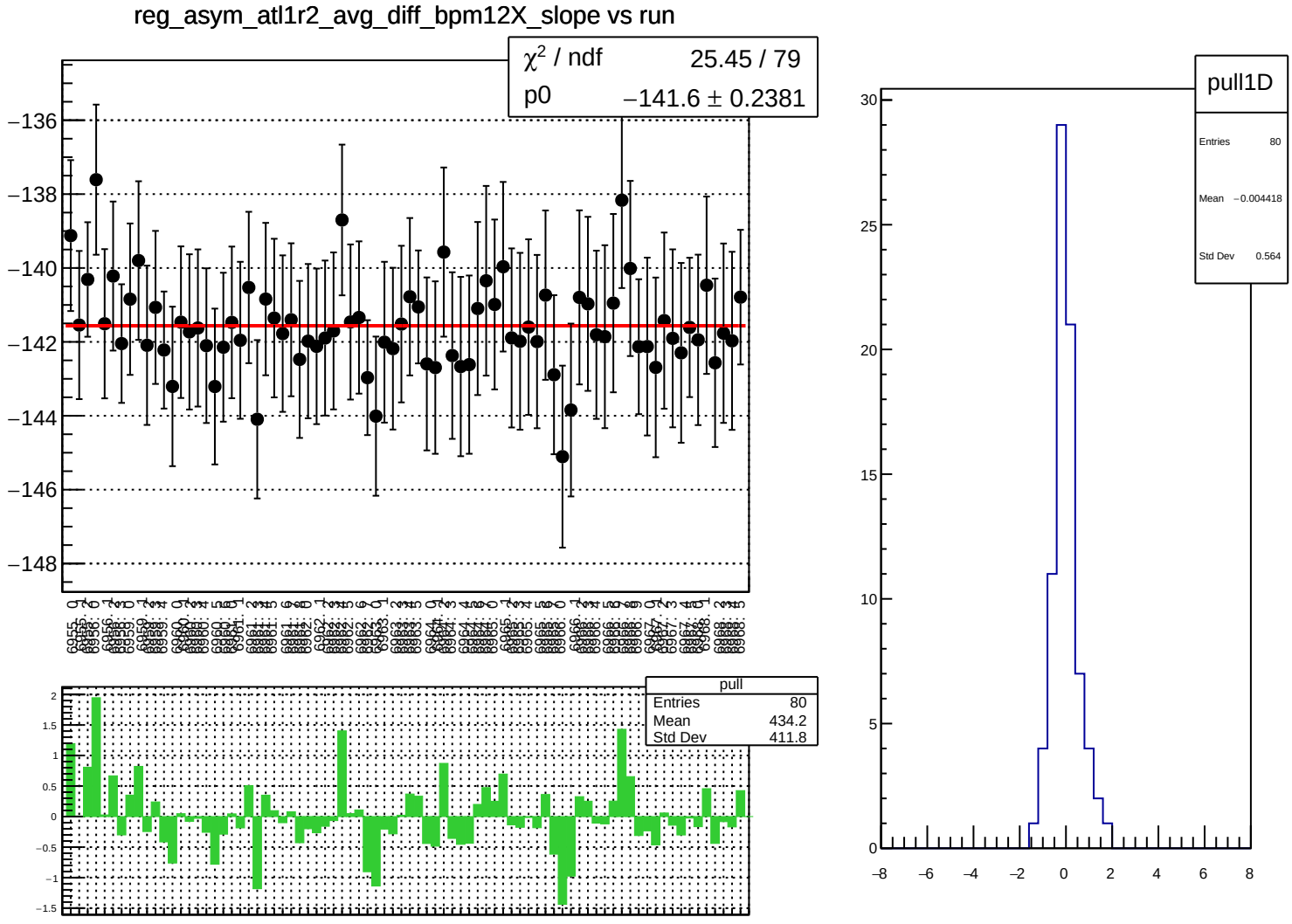

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.298 / 79
p0 8.666 ± 5.338
pull
Entries 80
Mean 30.72
Std Dev 31.34

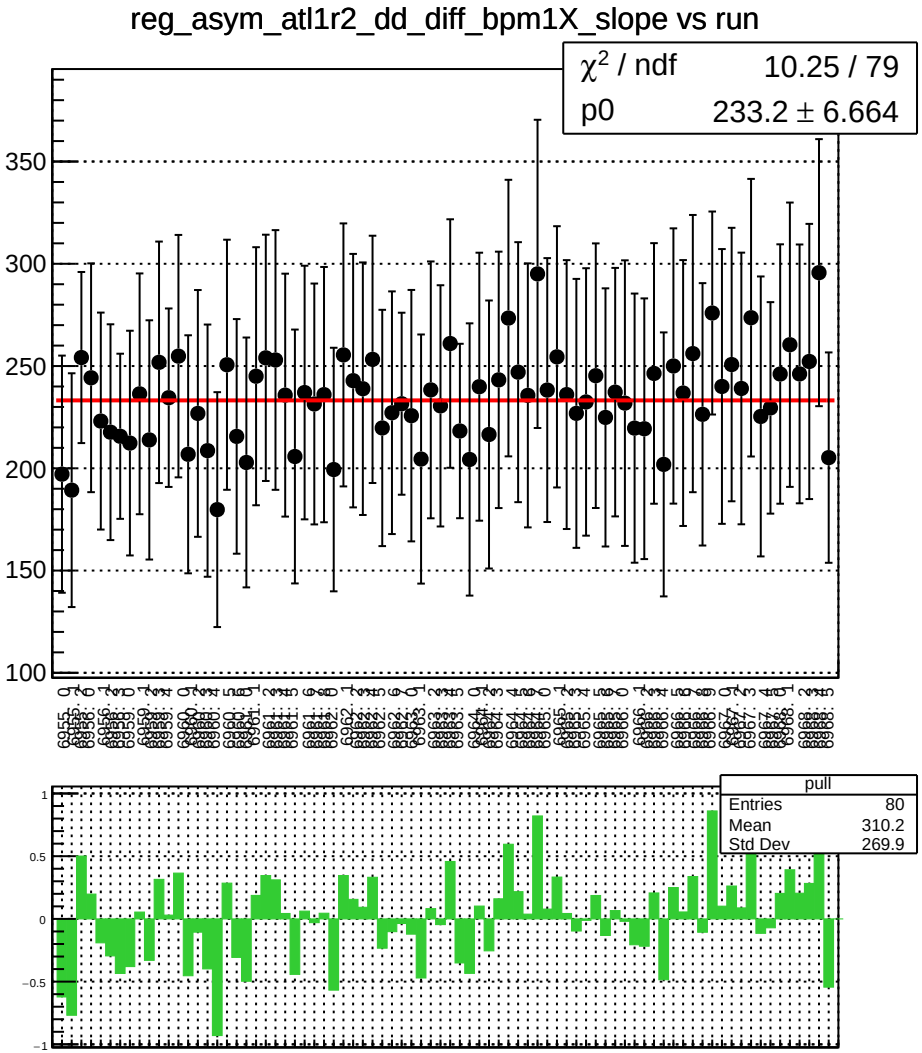

pull1D
Entries 80
Mean 0.0075
Std Dev 0.3019

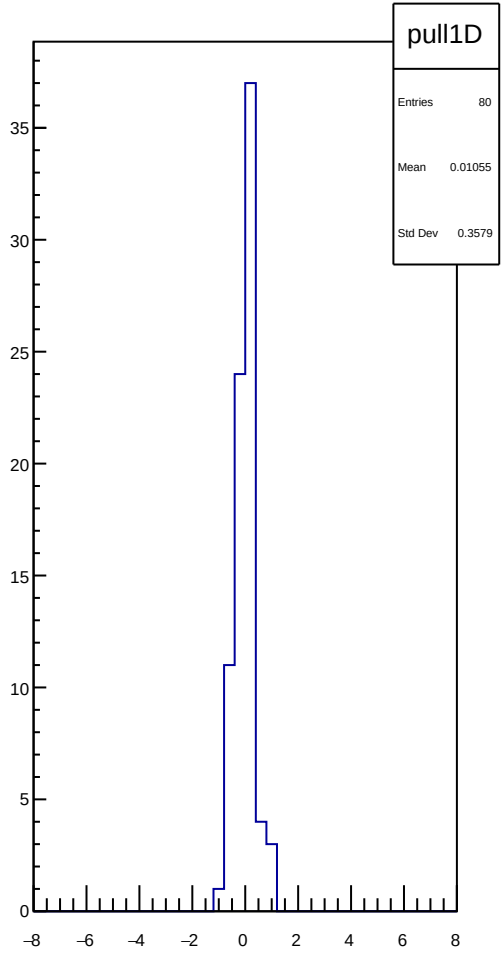

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.611 / 79
p0 314.2 ± 7.232
pull
Entries 80
Mean 1738
Std Dev 1697

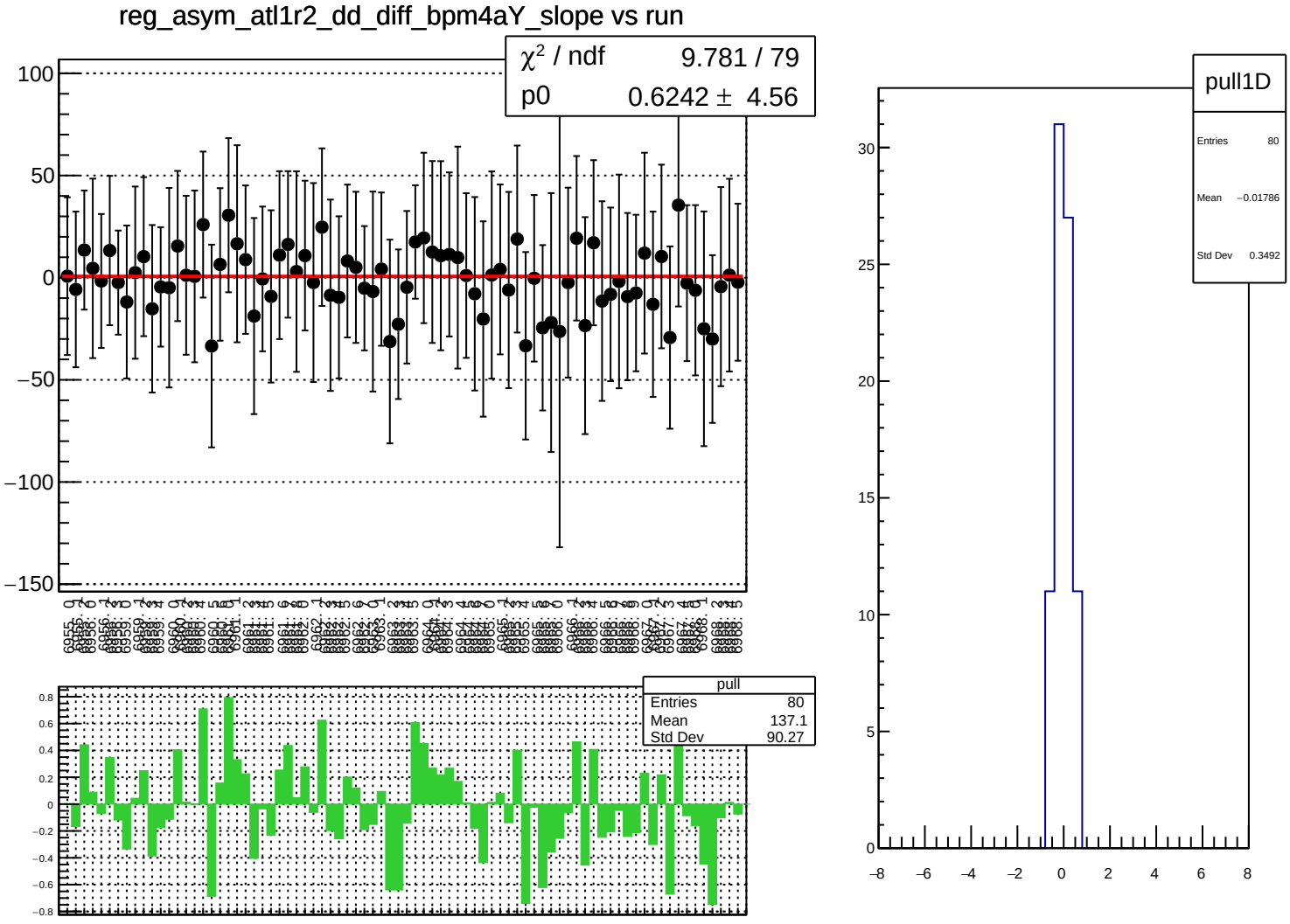

pull1D
Entries 80
Mean 0.001157
Std Dev 0.3281

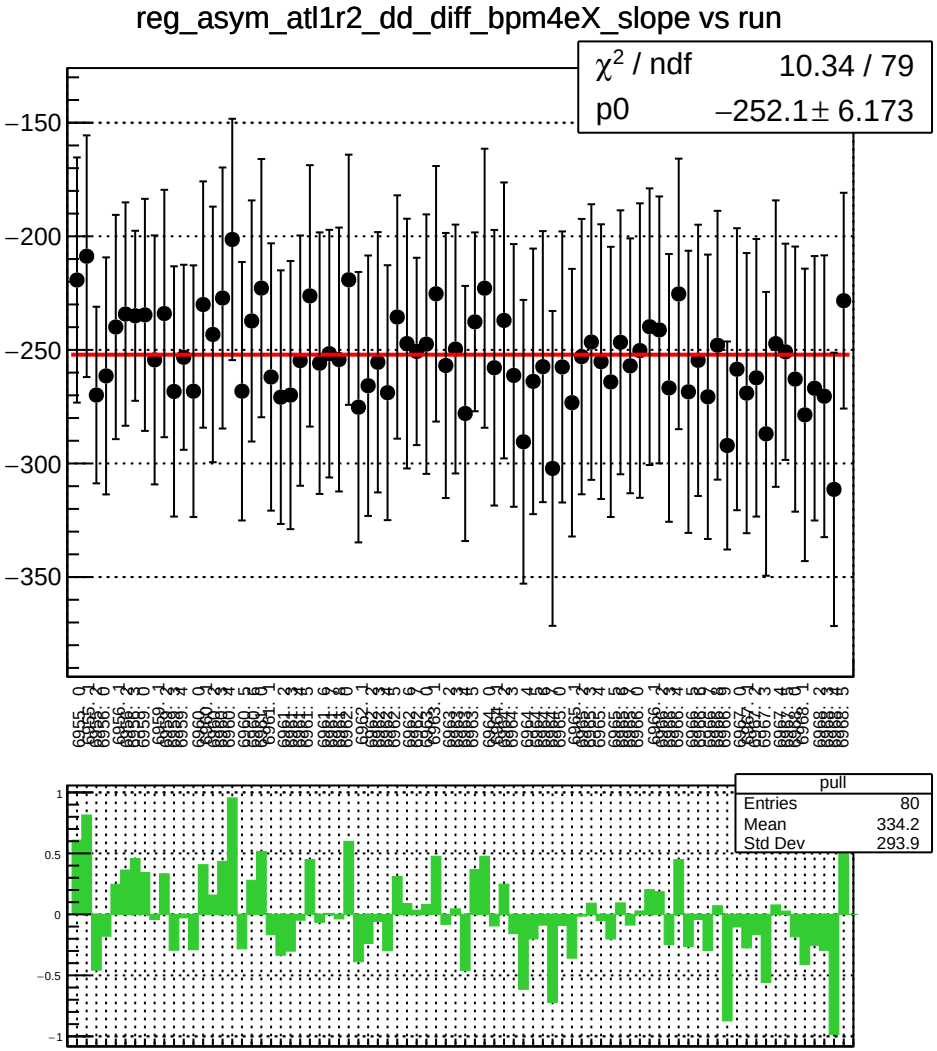

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.348 / 79
p0 54.22 ± 6.073
pull
Entries 80
Mean −33.56
Std Dev 58.65
pull1D
Entries 80
Mean −0.004706
Std Dev 0.303

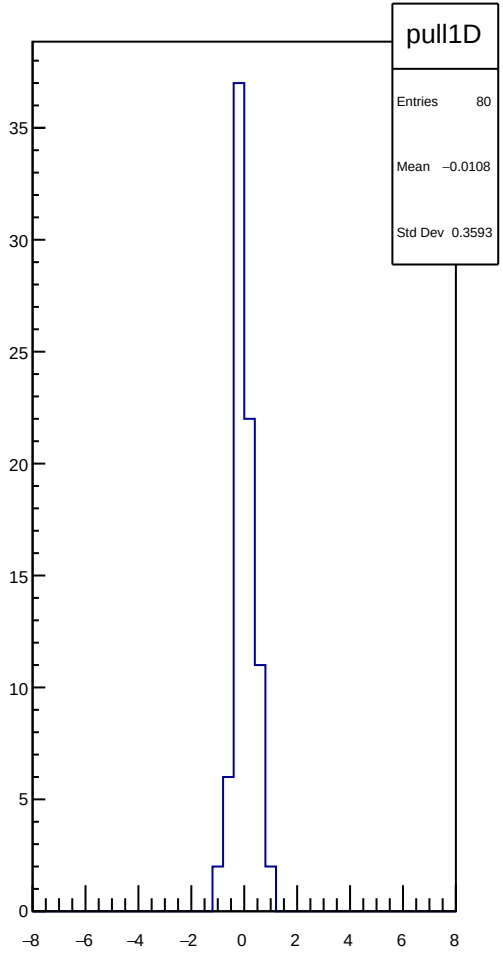

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 25.45 / 79
p0 −141.6 ± 0.2381
pull
Entries 80
Mean 434.2
Std Dev 411.8
pull1D
Entries 80
Mean −0.004418
Std Dev 0.564

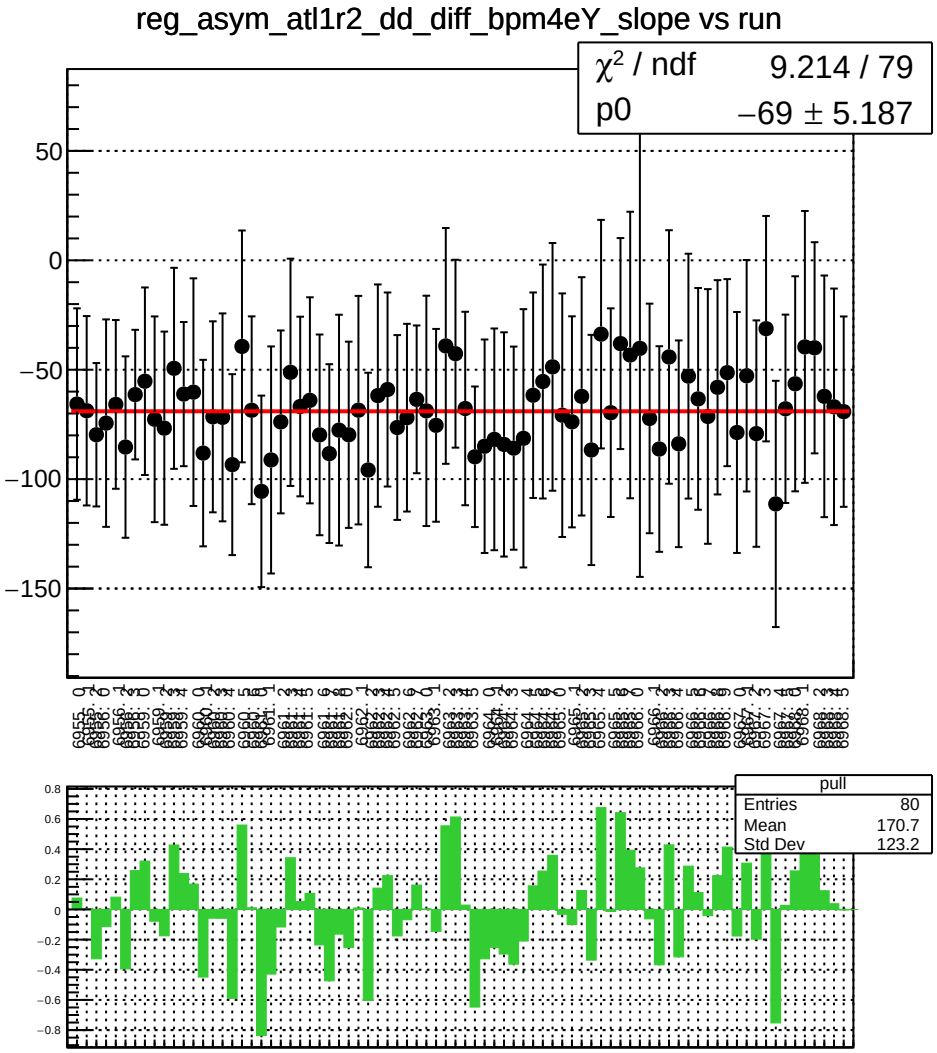

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.25 / 79
p0 233.2 ± 6.664
pull
Entries 80
Mean 310.2
Std Dev 269.9

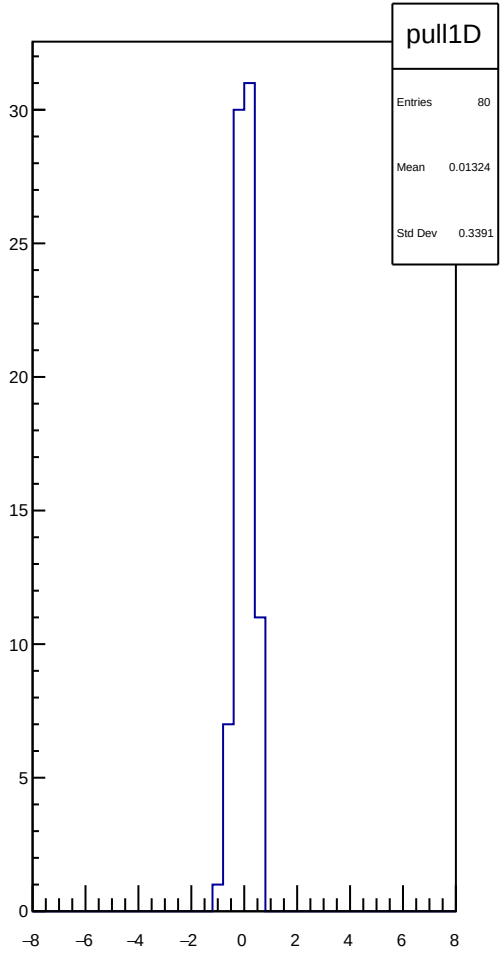

pull1D
Entries 80
Mean 0.01055
Std Dev 0.3579

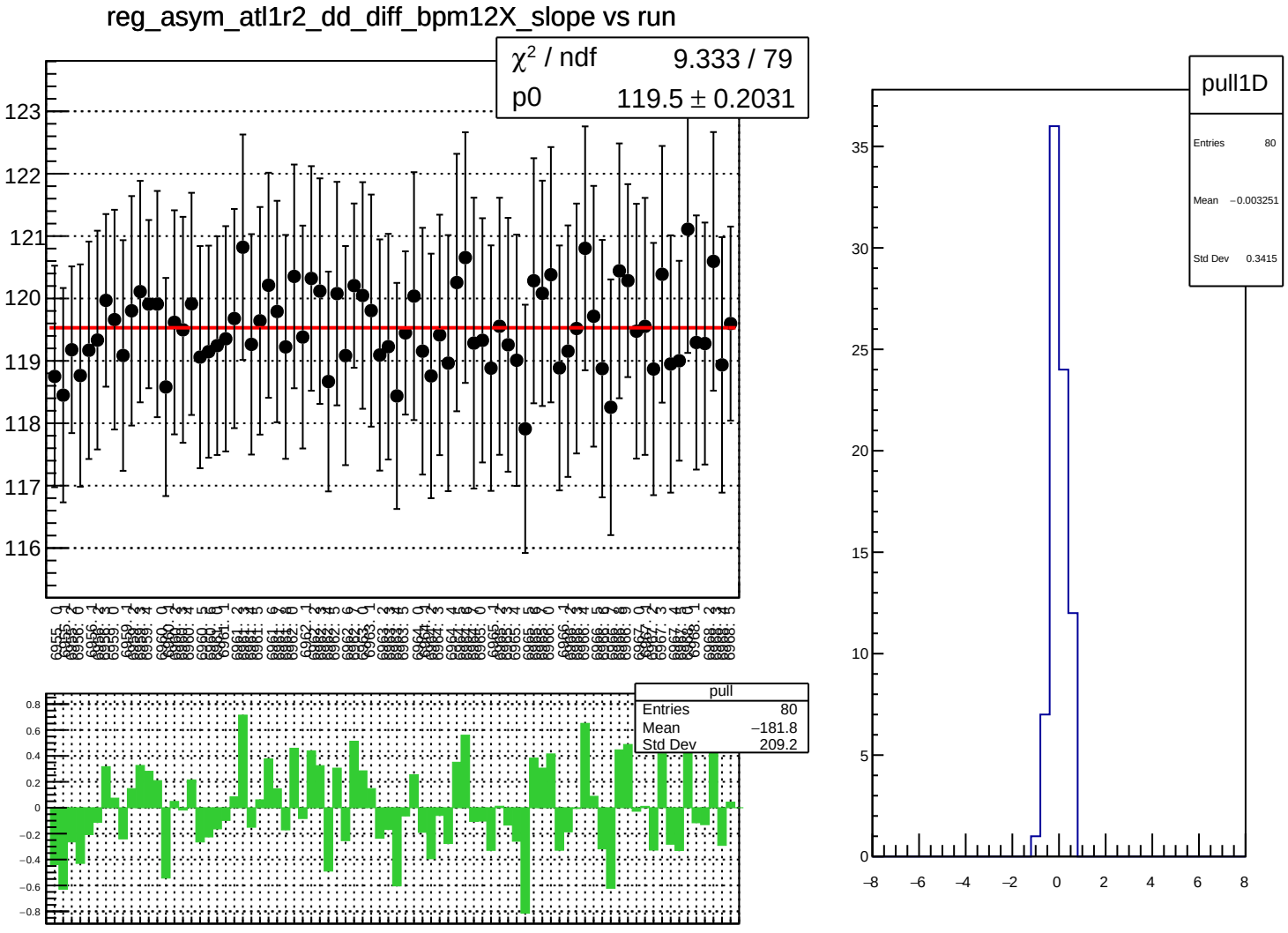

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.781 / 79
p0 0.6242 ± 4.56
pull
Entries 80
Mean 137.1
Std Dev 90.27
pull1D
Entries 80
Mean −0.01786
Std Dev 0.3492

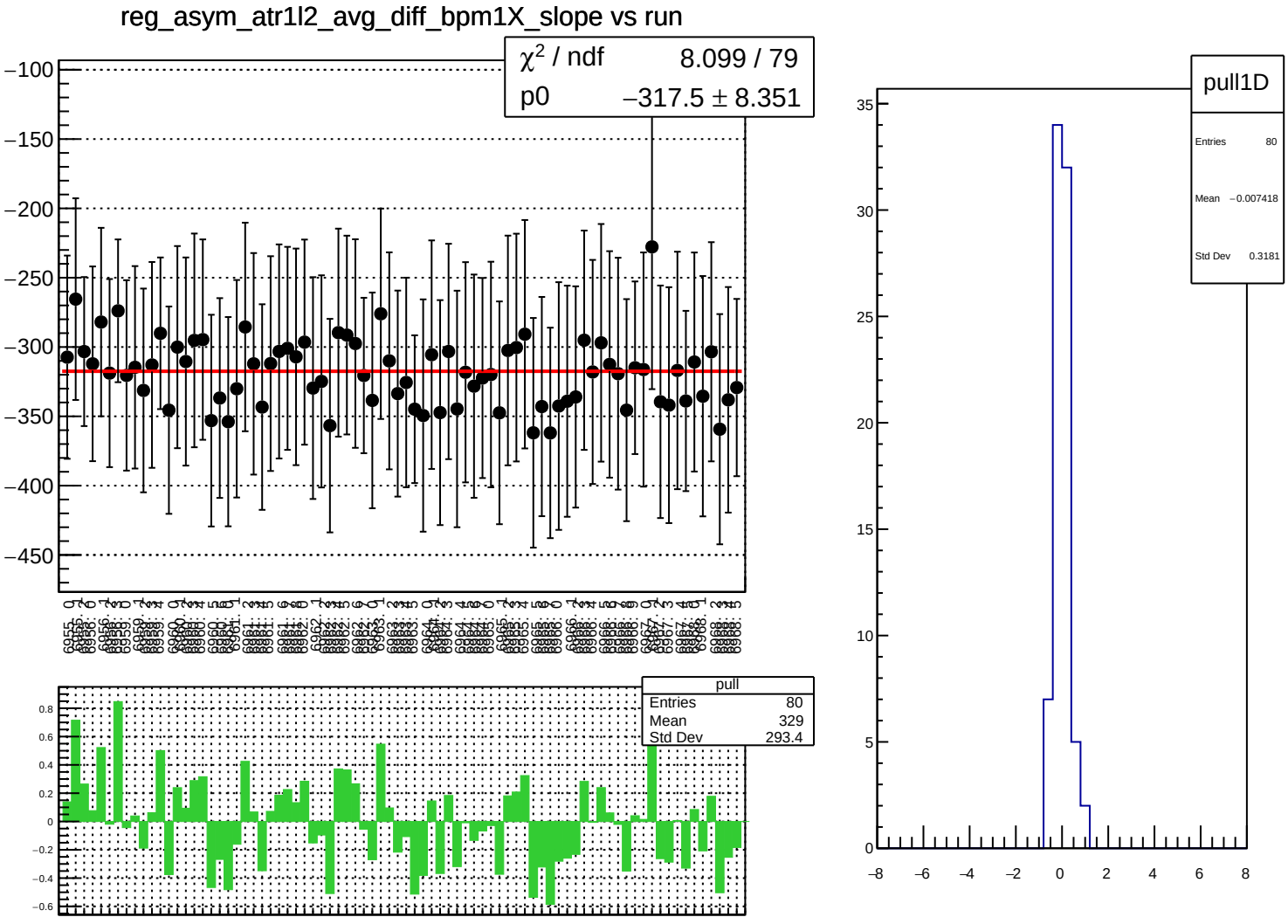

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.34 / 79
p0 −252.1 ± 6.173
−150
−200
−250
−300
−350
pull
Entries 80
Mean 334.2
Std Dev 293.9
1
0.5
0
−0.5
−1

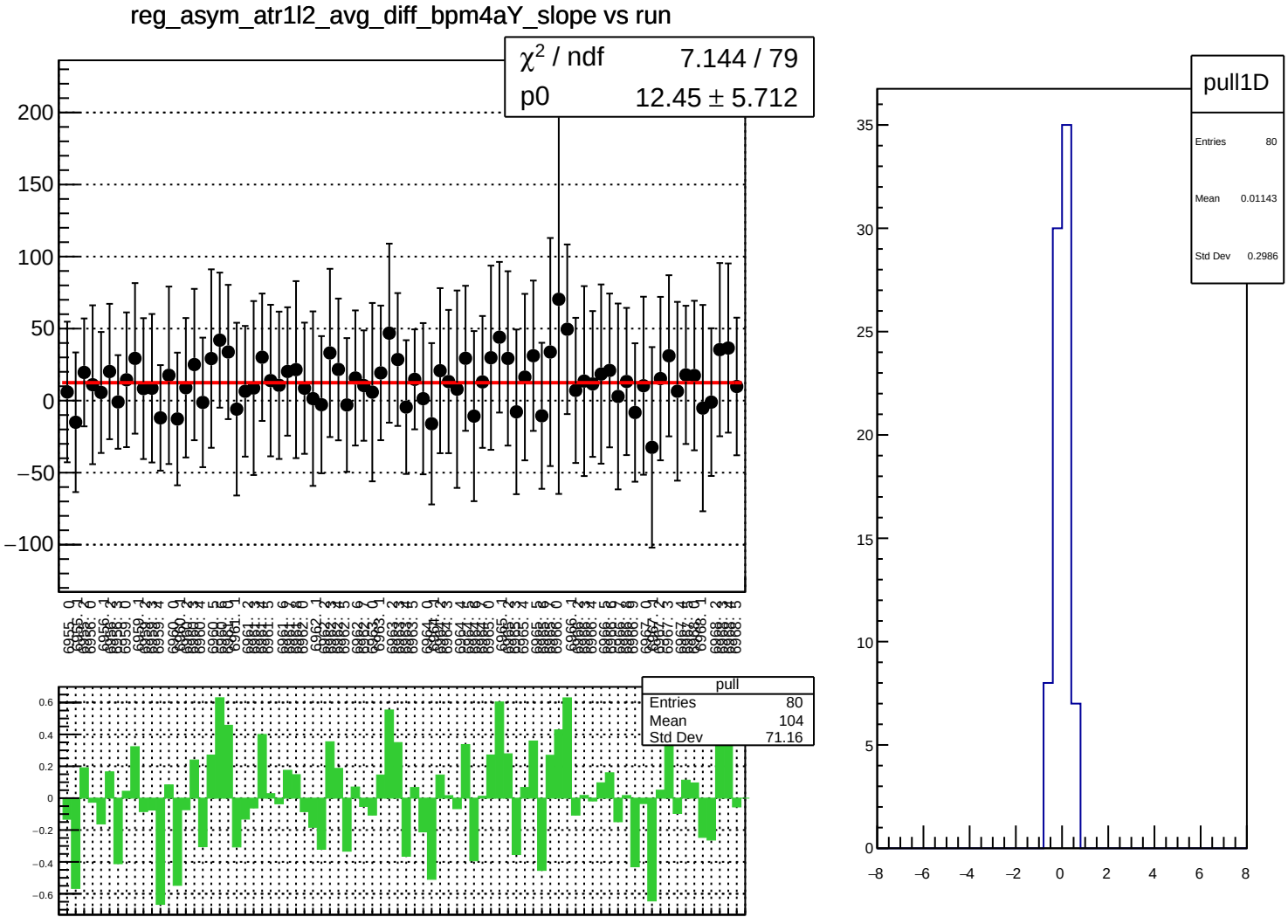

pull1D
Entries 80
Mean −0.0108
Std Dev 0.3593
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

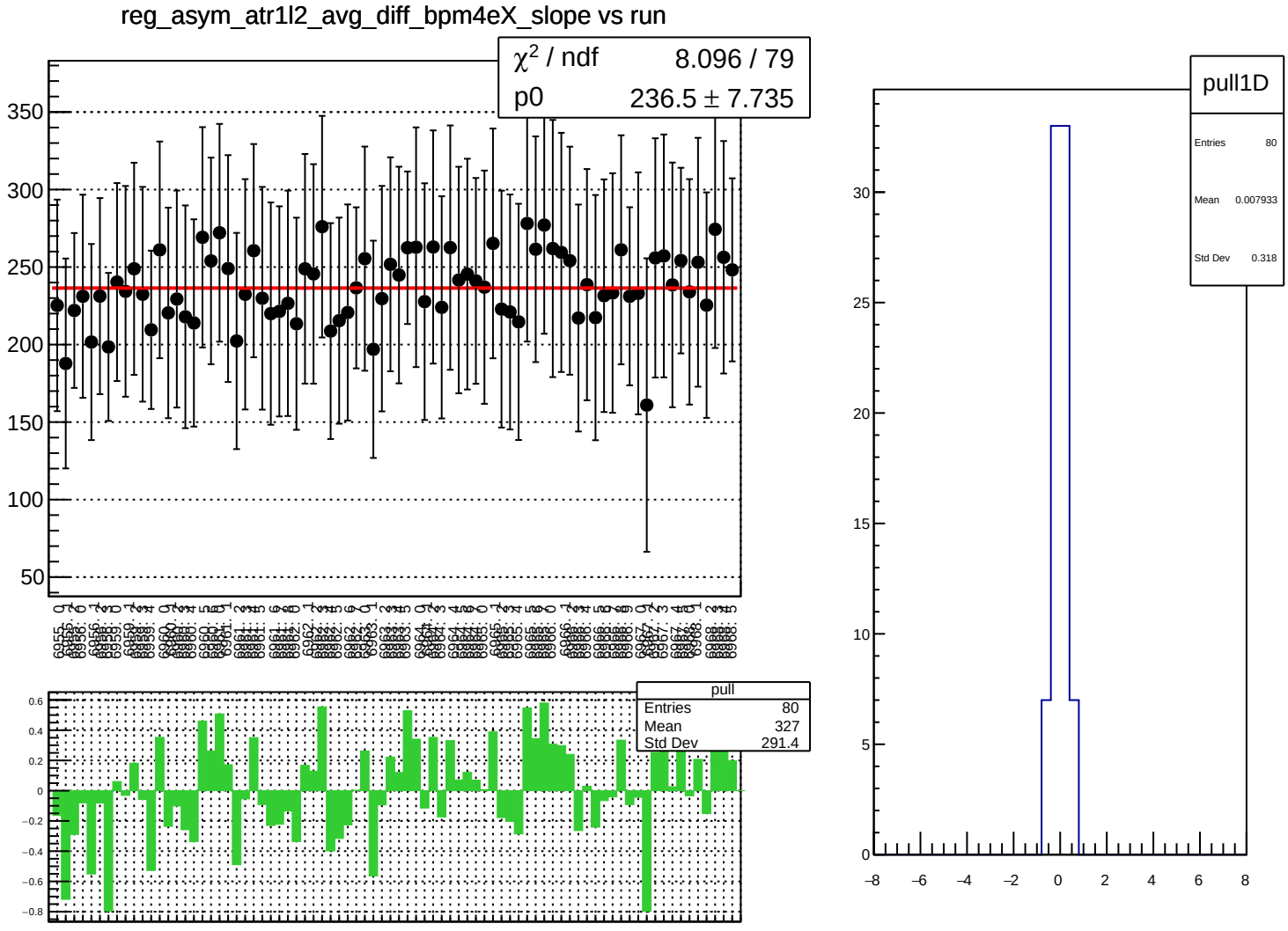

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.214 / 79
p0 −69 ± 5.187
pull
Entries 80
Mean 170.7
Std Dev 123.2

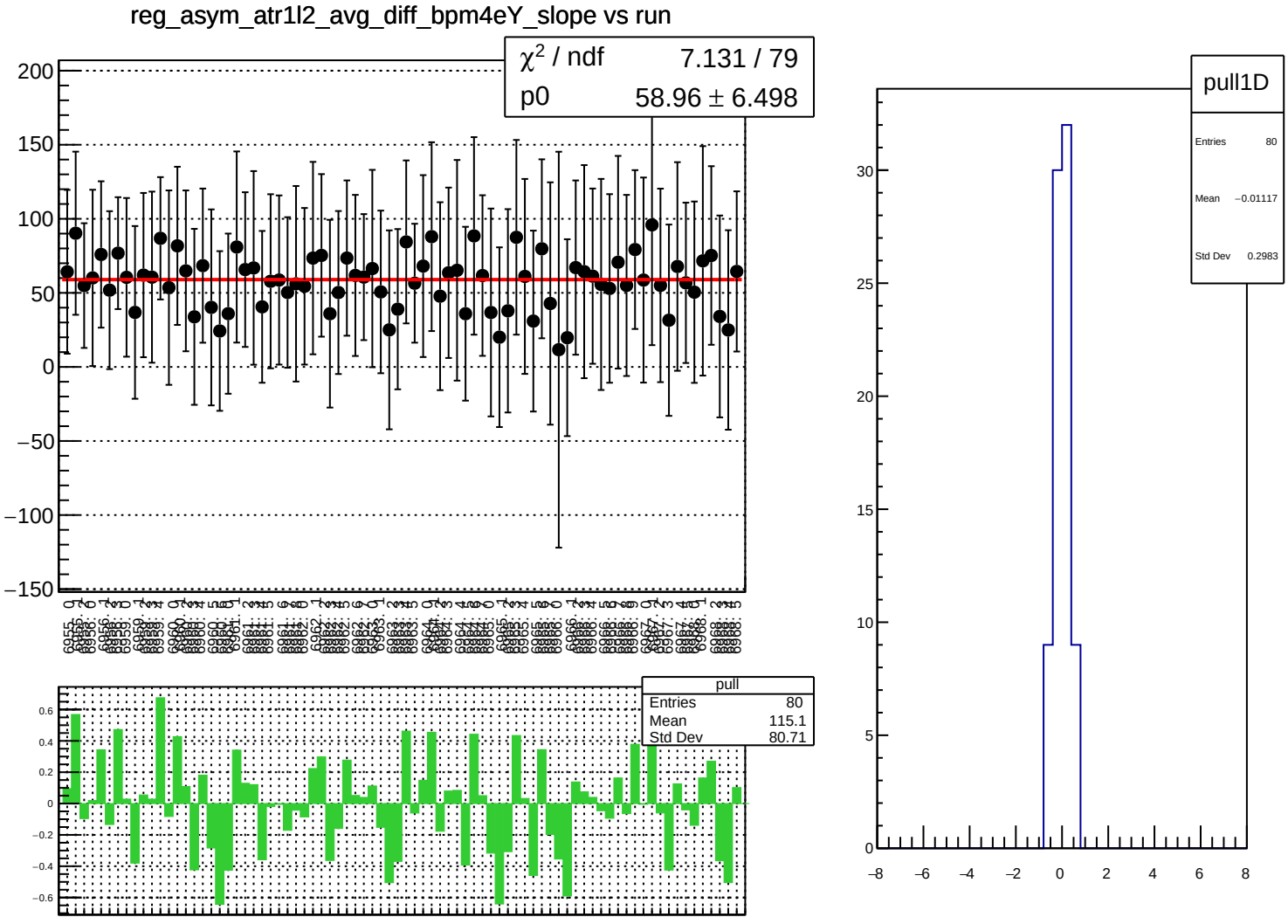

pull1D
Entries 80
Mean 0.01324
Std Dev 0.3391

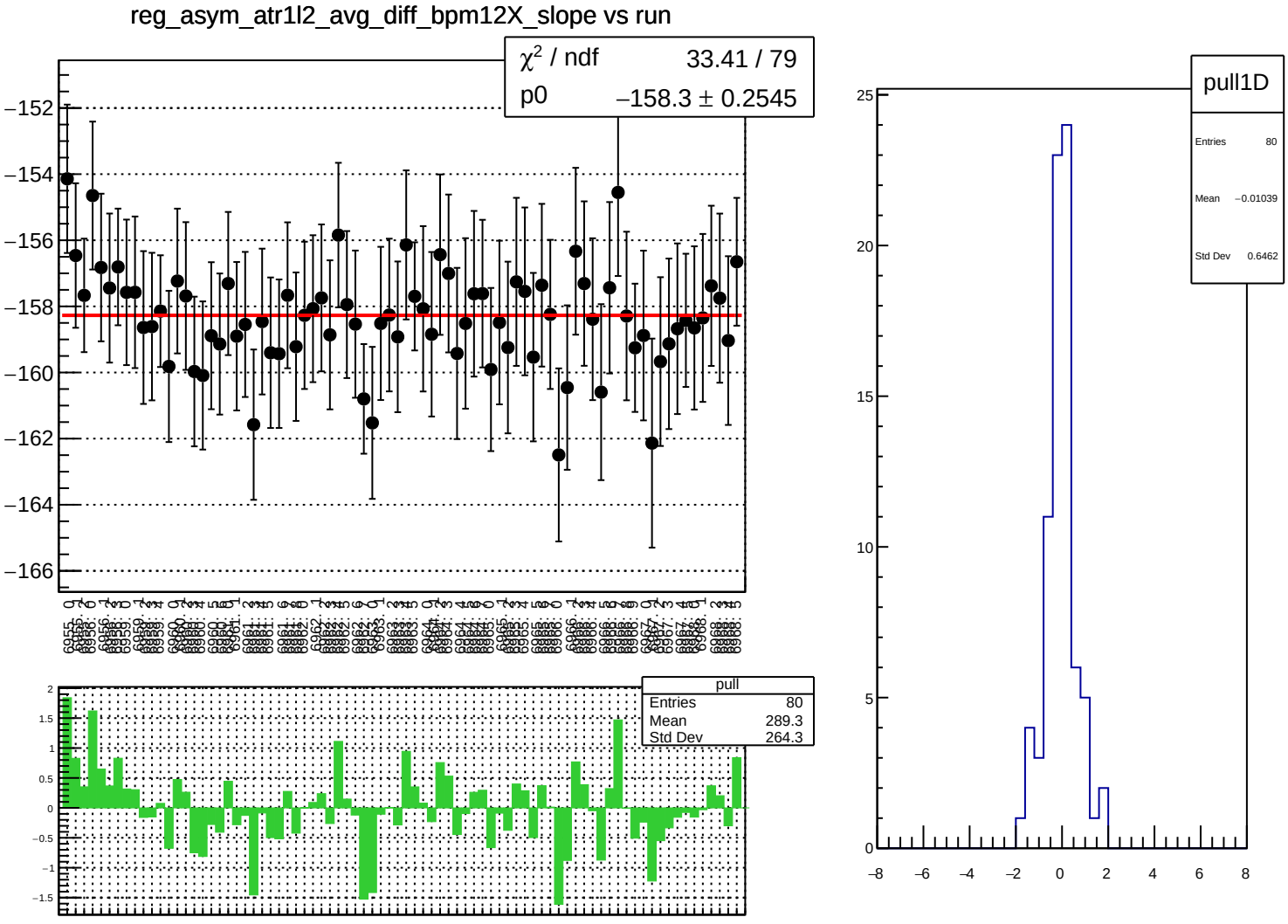

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.333 / 79
p0 119.5 ± 0.2031
pull
Entries 80
Mean −181.8
Std Dev 209.2
pull1D
Entries 80
Mean −0.003251
Std Dev 0.3415

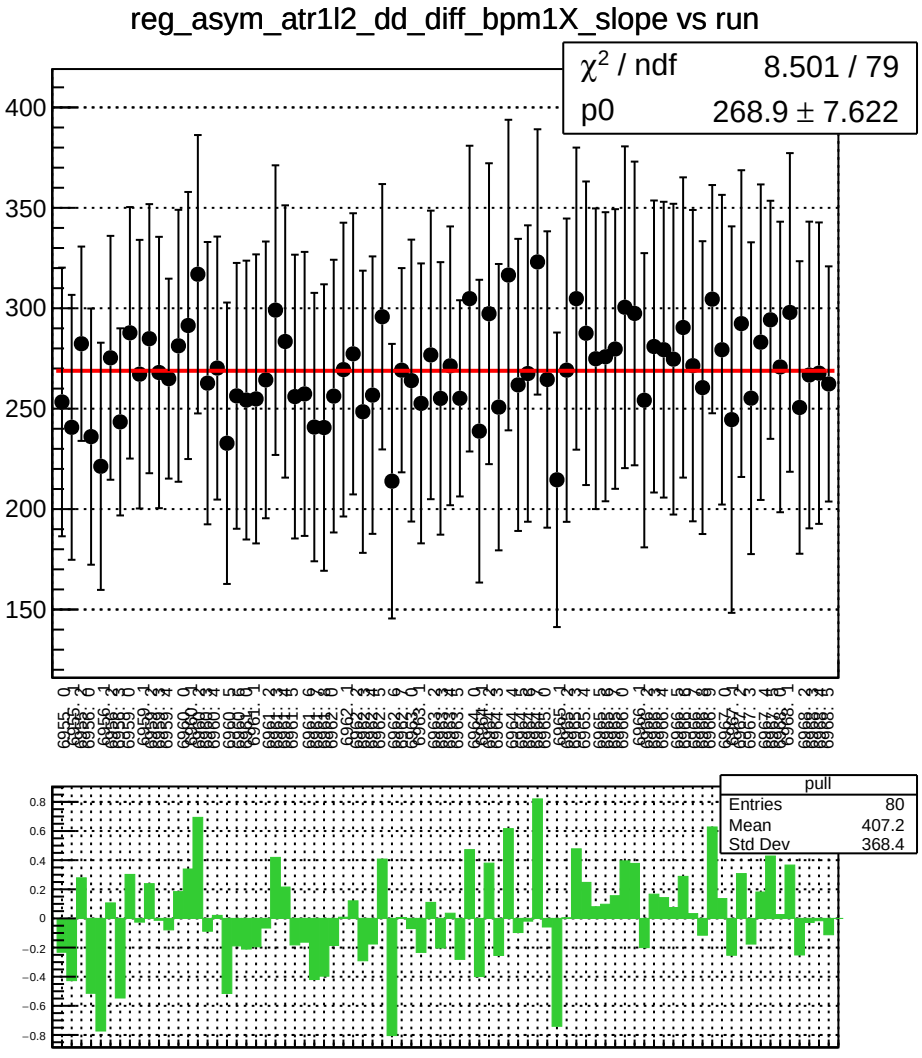

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.099 / 79
p0 −317.5 ± 8.351
pull
Entries 80
Mean 329
Std Dev 293.4
pull1D
Entries 80
Mean −0.007418
Std Dev 0.3181

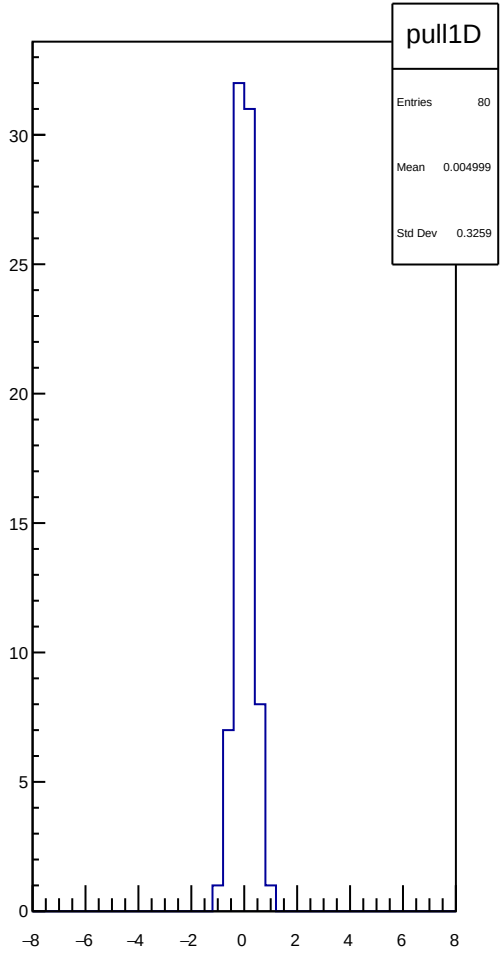

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.144 / 79
p0 12.45 ± 5.712
pull
Entries 80
Mean 104
Std Dev 71.16
pull1D
Entries 80
Mean 0.01143
Std Dev 0.2986

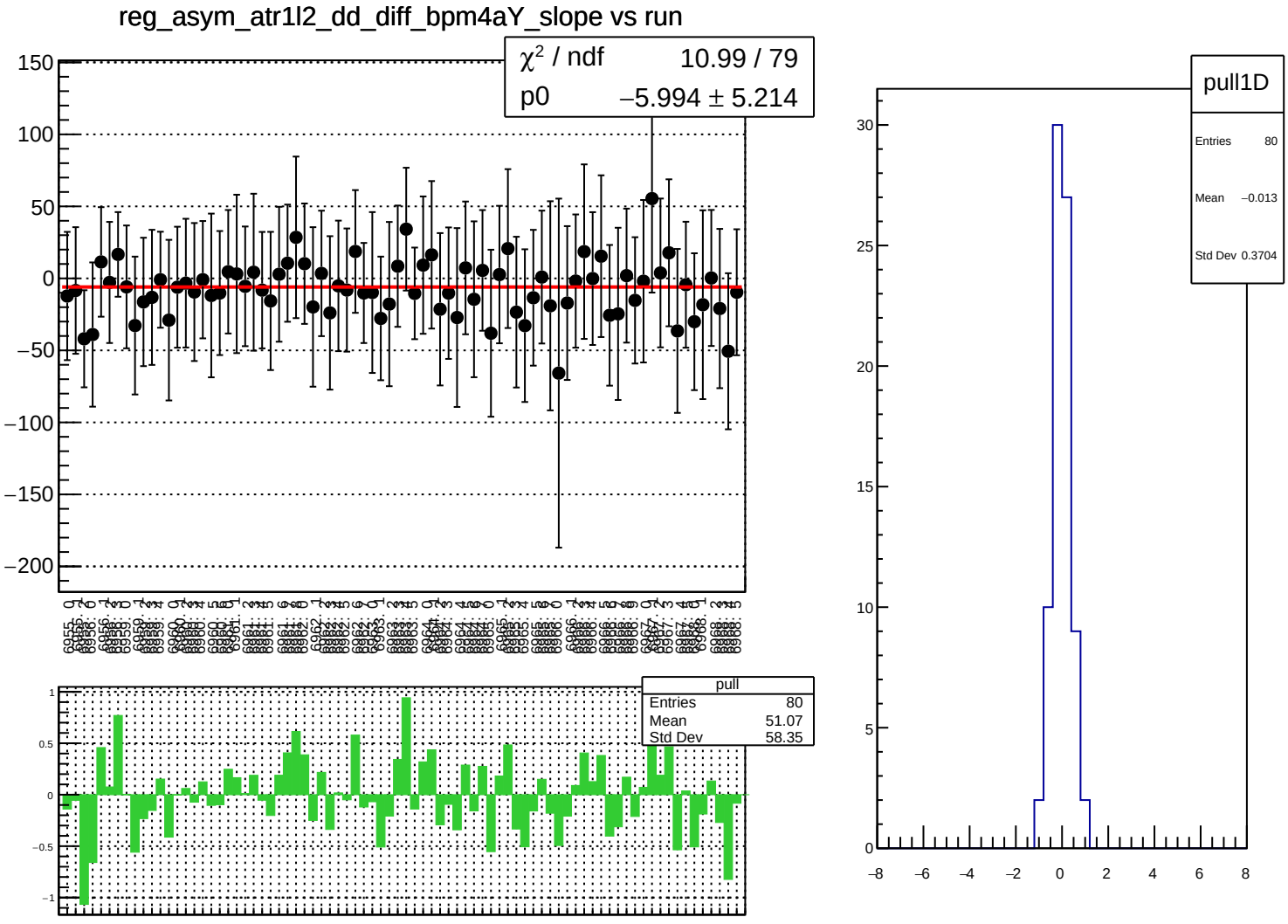

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.096 / 79
p0 236.5 ± 7.735
pull
Entries 80
Mean 327
Std Dev 291.4
pull1D
Entries 80
Mean 0.007933
Std Dev 0.318

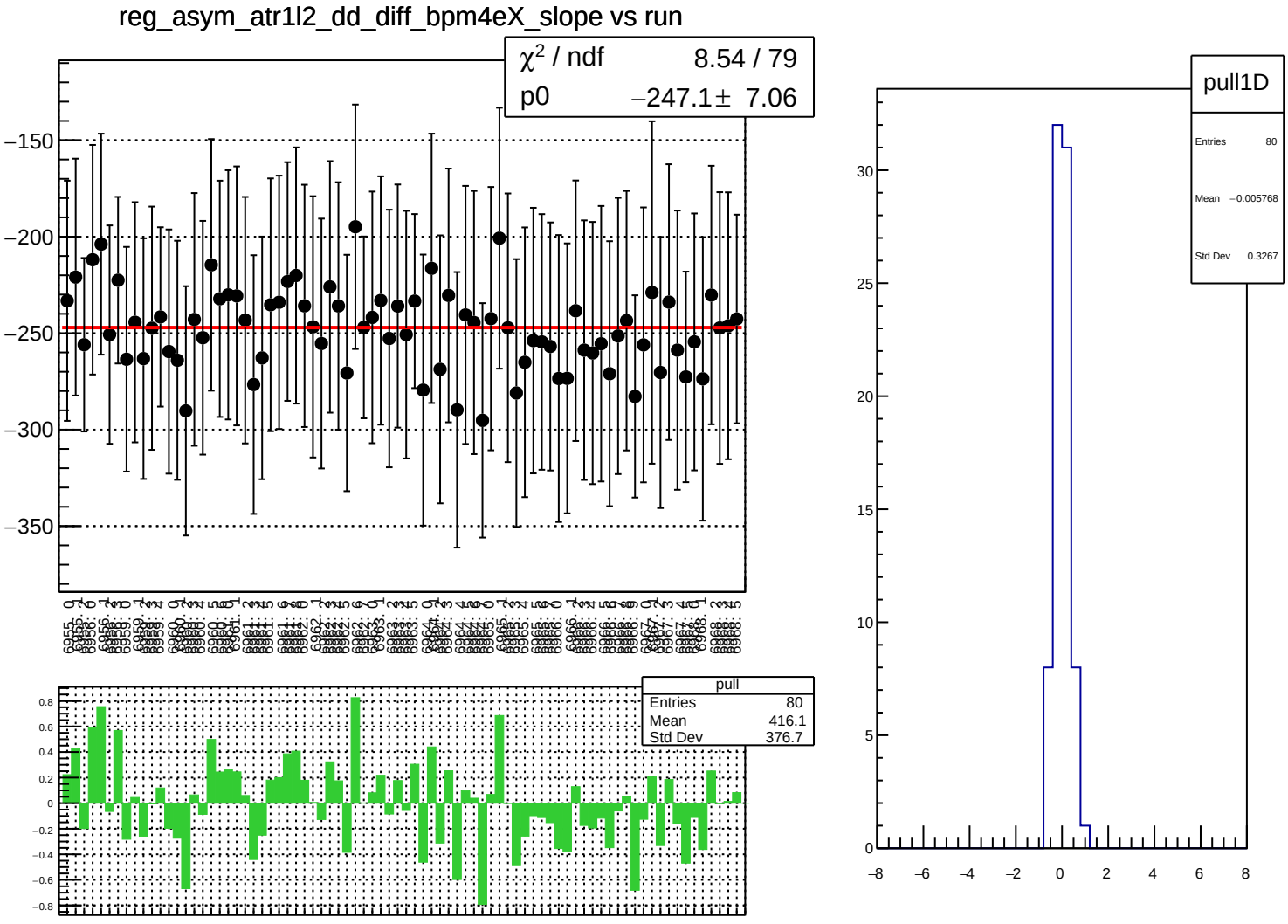

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.131 / 79
p0 58.96 ± 6.498
pull
Entries 80
Mean 115.1
Std Dev 80.71
pull1D
Entries 80
Mean −0.01117
Std Dev 0.2983

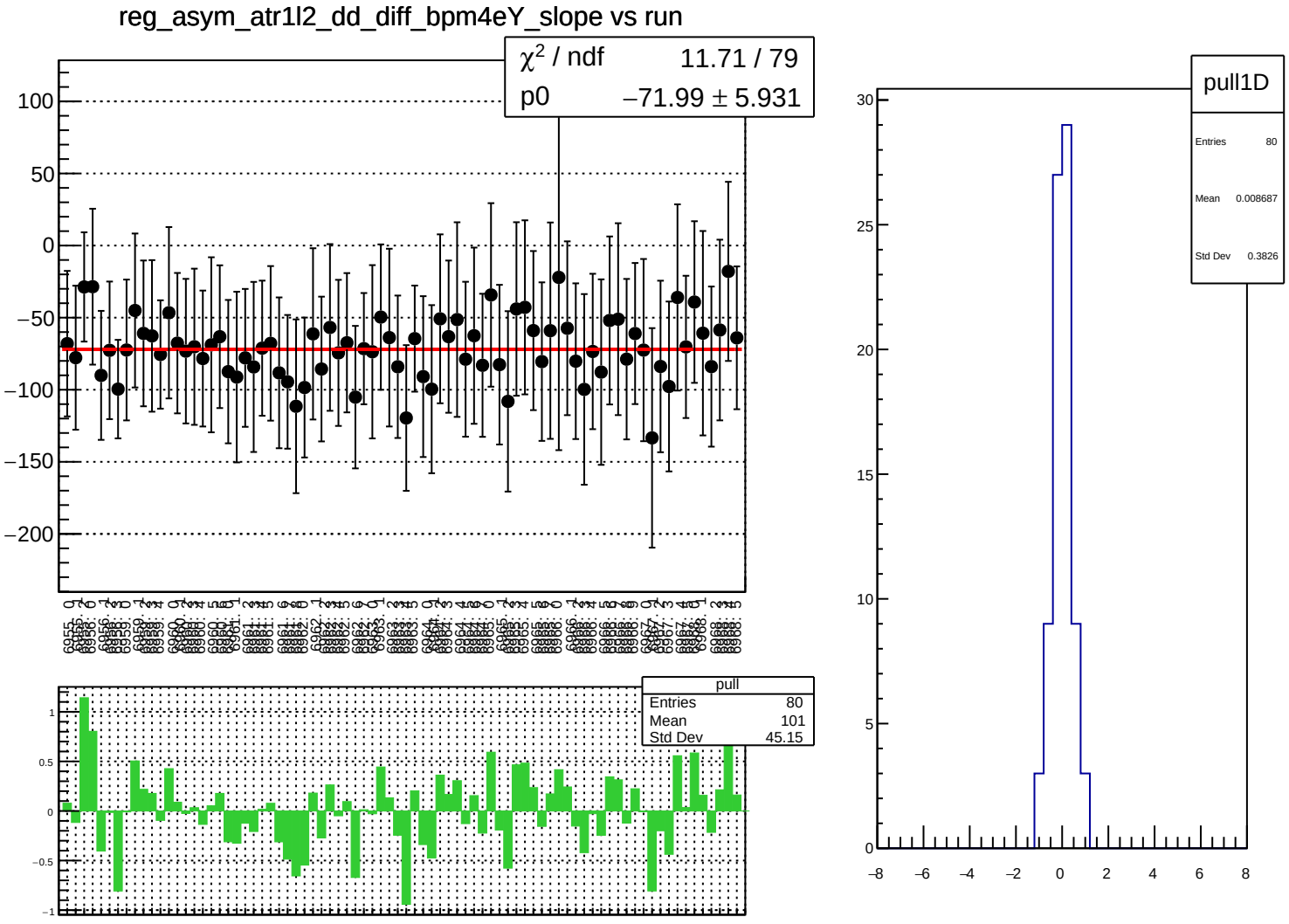

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 33.41 / 79
p0 −158.3 ± 0.2545
pull
Entries 80
Mean 289.3
Std Dev 264.3
pull1D
Entries 80
Mean −0.01039
Std Dev 0.6462

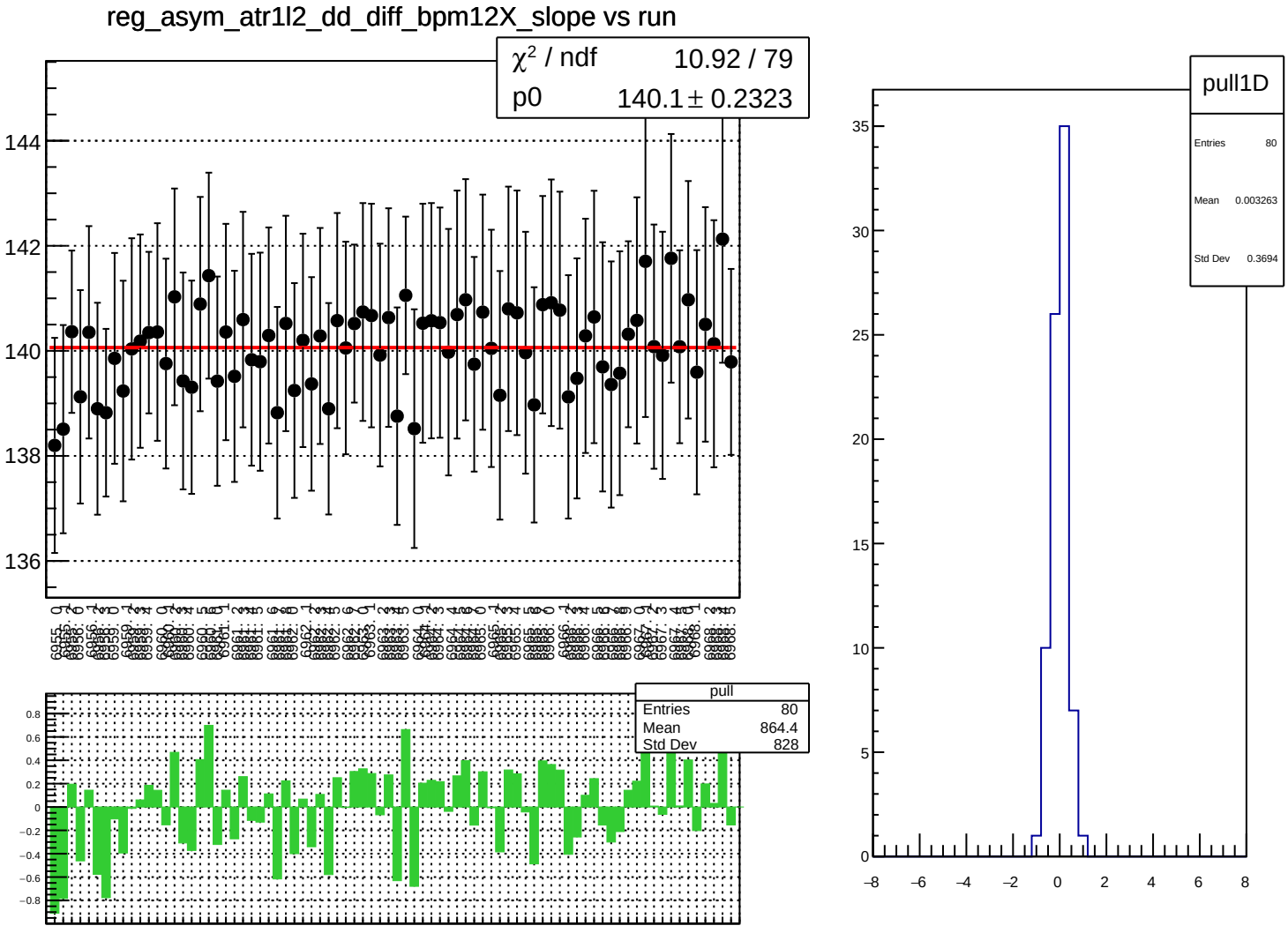

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.501 / 79
p0 268.9 ± 7.622
pull
Entries 80
Mean 407.2
Std Dev 368.4

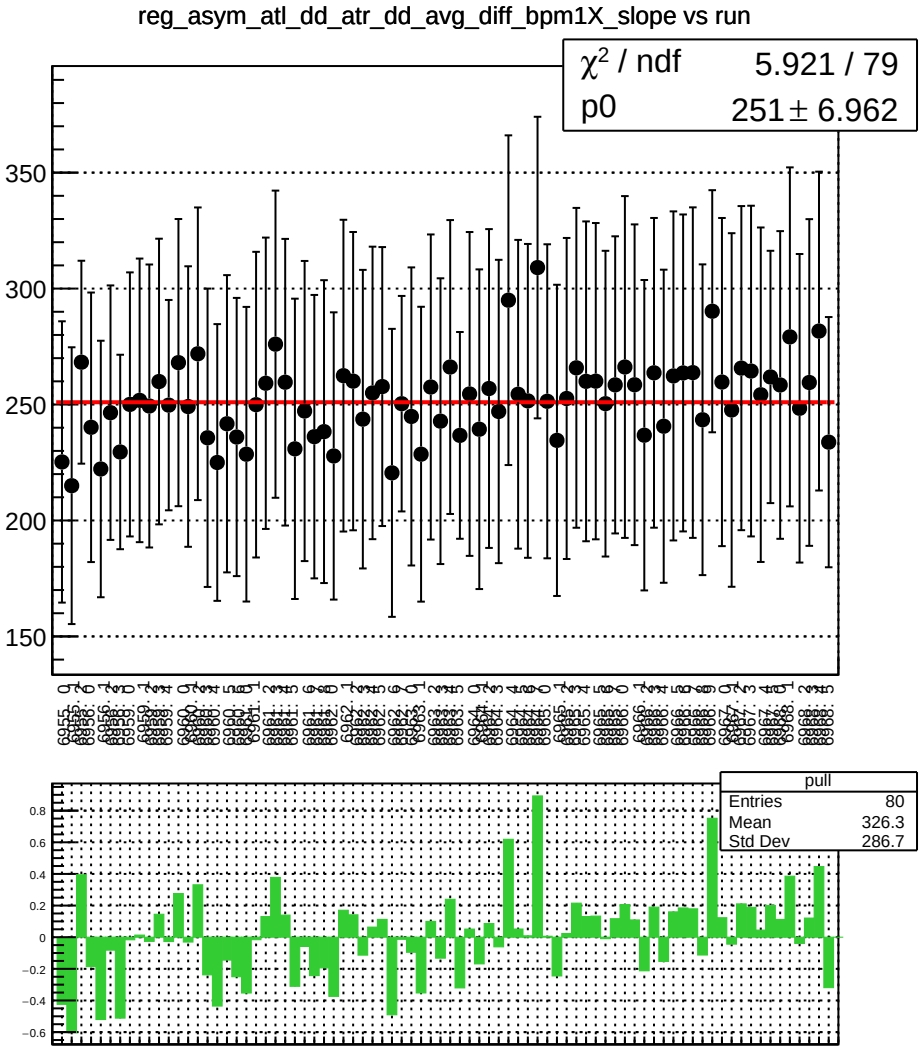

pull1D
Entries 80
Mean 0.004999
Std Dev 0.3259

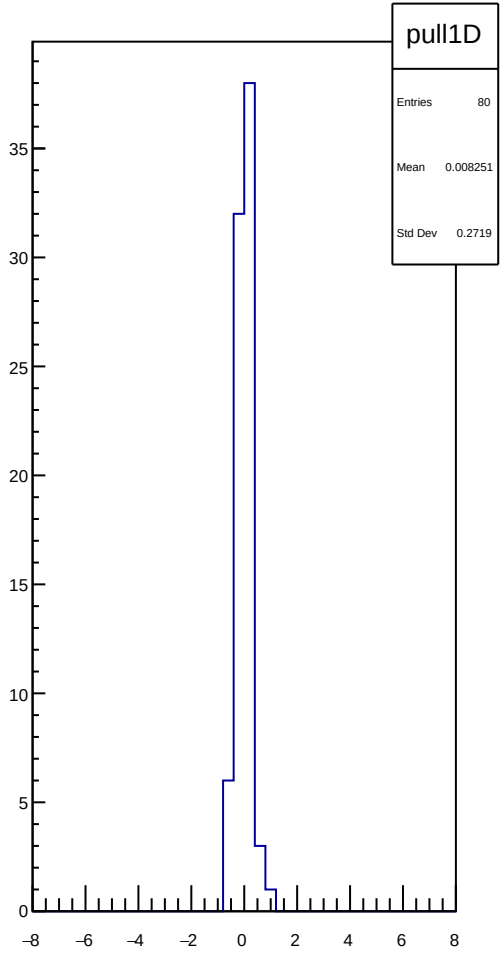

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.99 / 79
p0 −5.994 ± 5.214
pull
Entries 80
Mean 51.07
Std Dev 58.35
pull1D
Entries 80
Mean −0.013
Std Dev 0.3704

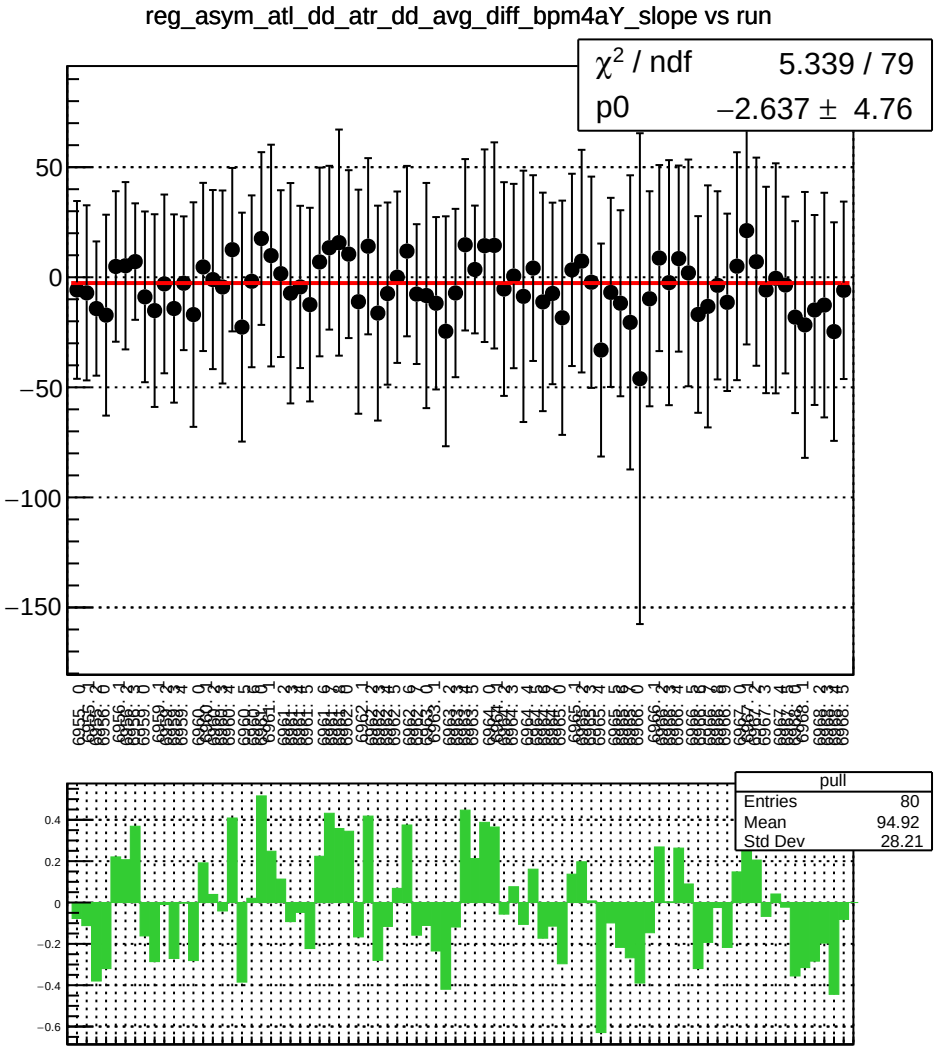

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.54 / 79
p0 −247.1 ± 7.06
−150
−200
−250
−300
−350
pull
Entries 80
Mean 416.1
Std Dev 376.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.005768
Std Dev 0.3267
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

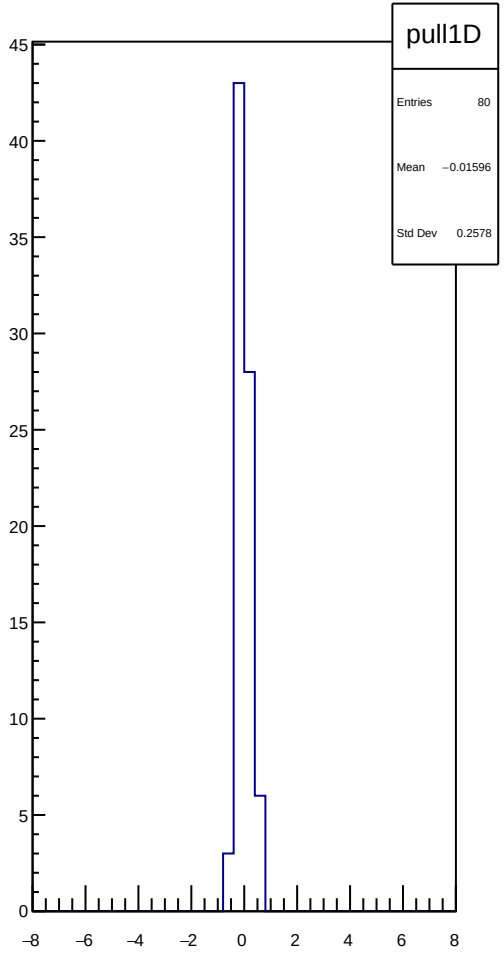

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.71 / 79
p0 −71.99 ± 5.931
pull
Entries 80
Mean 101
Std Dev 45.15
pull1D
Entries 80
Mean 0.008687
Std Dev 0.3826

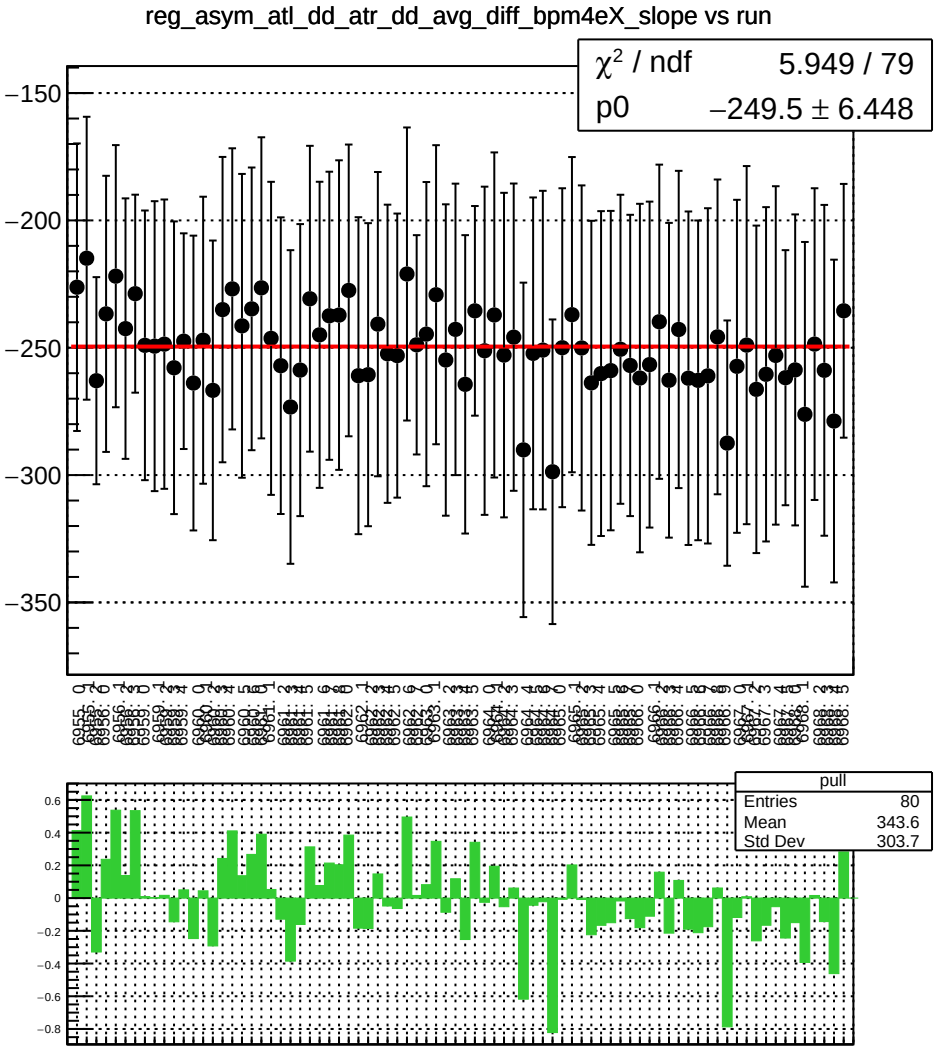

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.92 / 79
p0 140.1 ± 0.2323
144
142
140
138
136
pull
Entries 80
Mean 864.4
Std Dev 828
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean 0.003263
Std Dev 0.3694
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

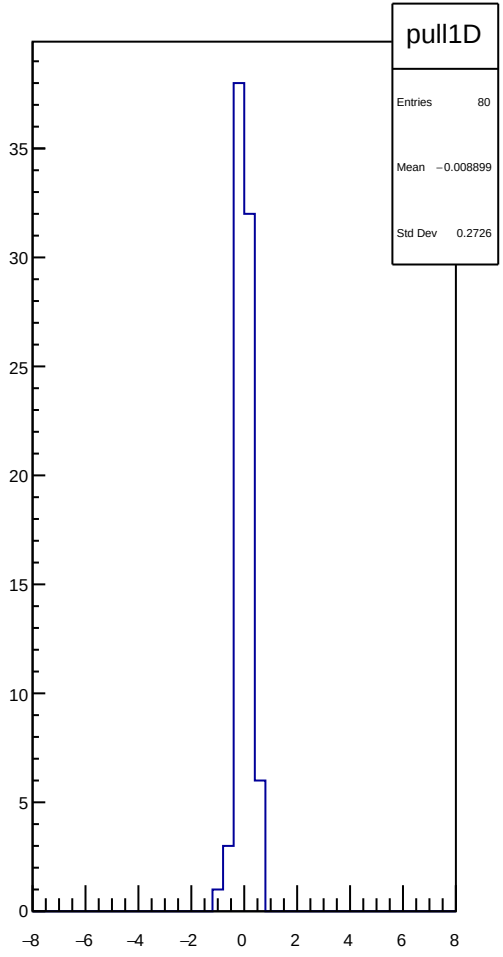

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 5.921 / 79
p0 251 ± 6.962
pull
Entries 80
Mean 326.3
Std Dev 286.7

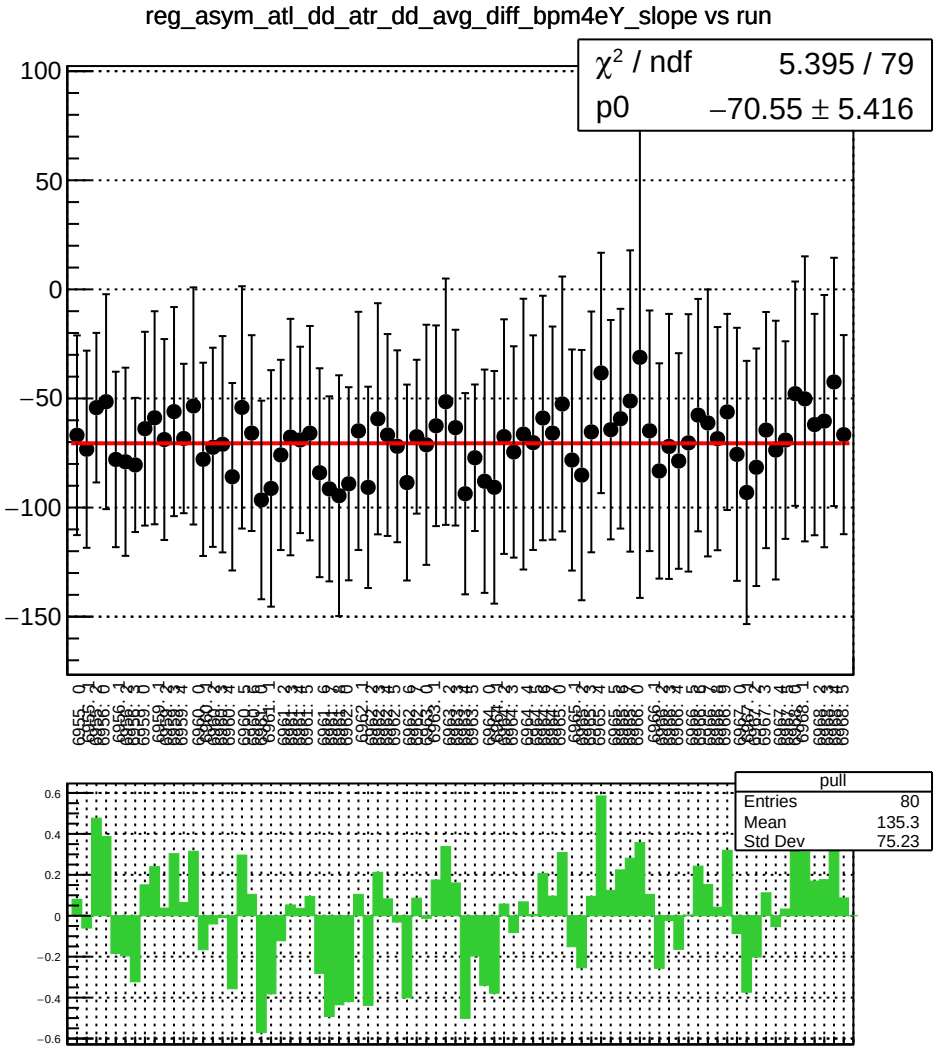

pull1D
Entries 80
Mean 0.008251
Std Dev 0.2719

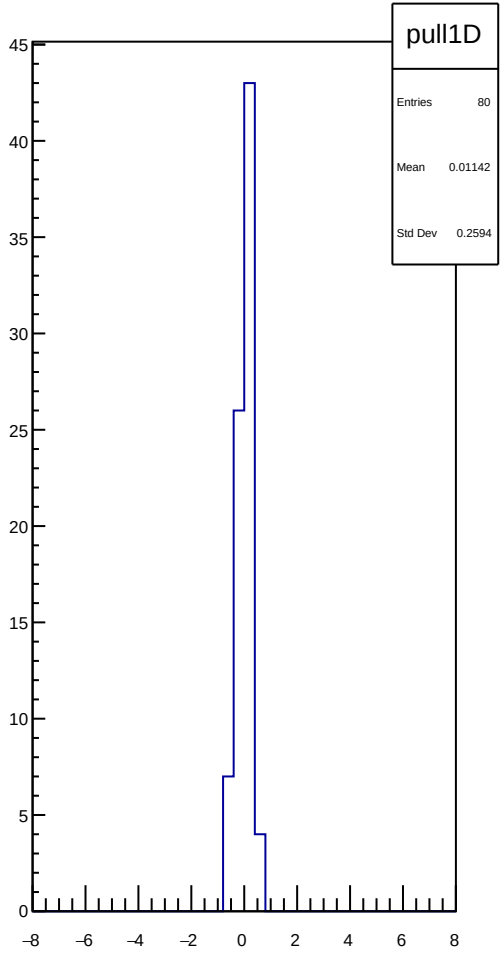

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.339 / 79
p0 −2.637 ± 4.76
pull
Entries 80
Mean 94.92
Std Dev 28.21

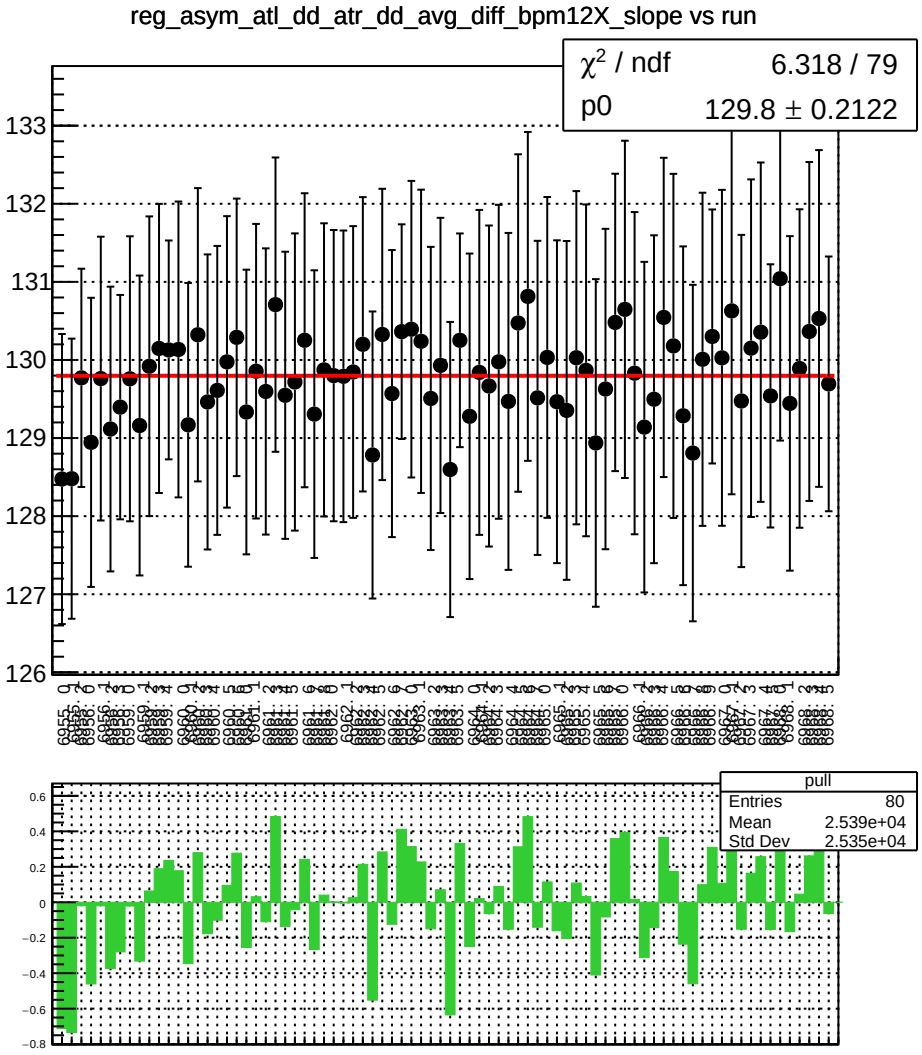

pull1D
Entries 80
Mean −0.01596
Std Dev 0.2578

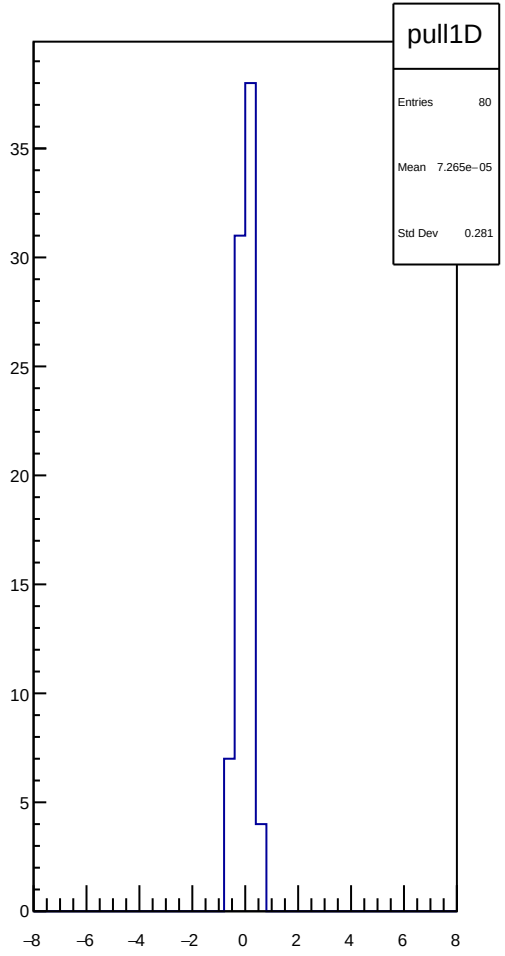

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.949 / 79
p0 −249.5 ± 6.448
pull
Entries 80
Mean 343.6
Std Dev 303.7

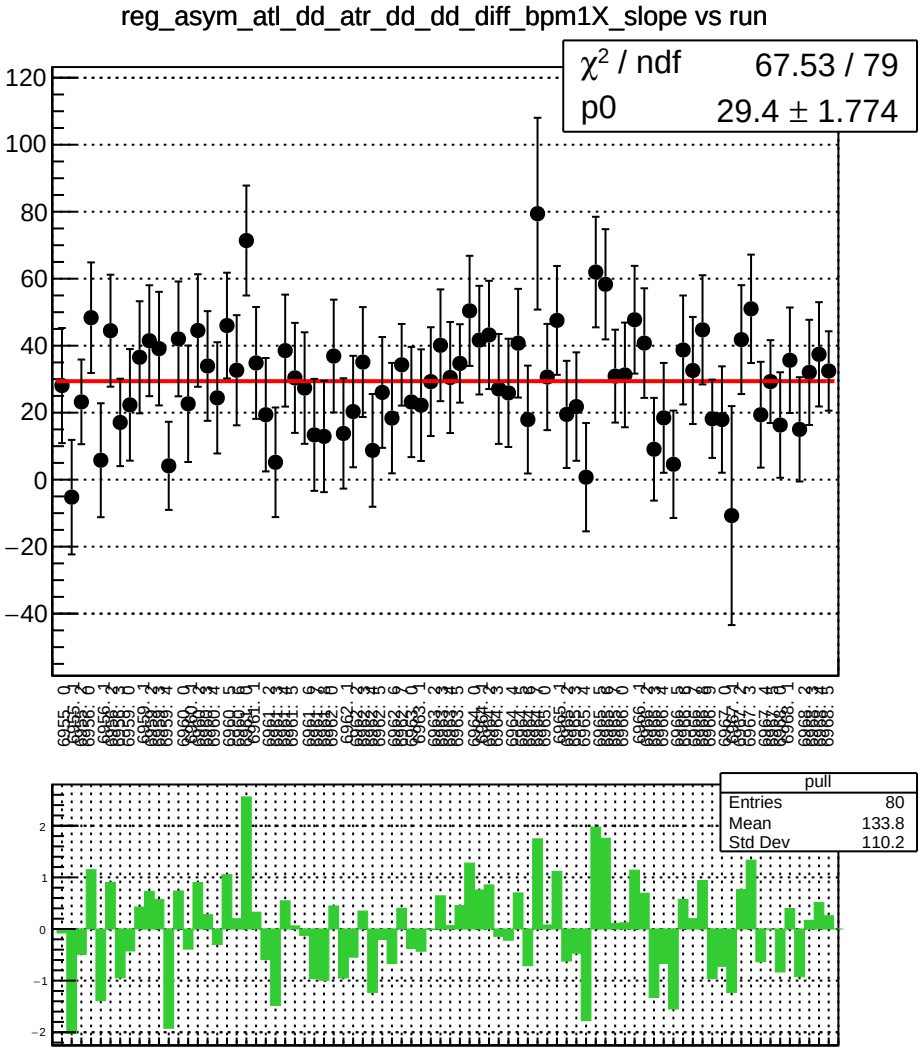

pull1D
Entries 80
Mean −0.008899
Std Dev 0.2726

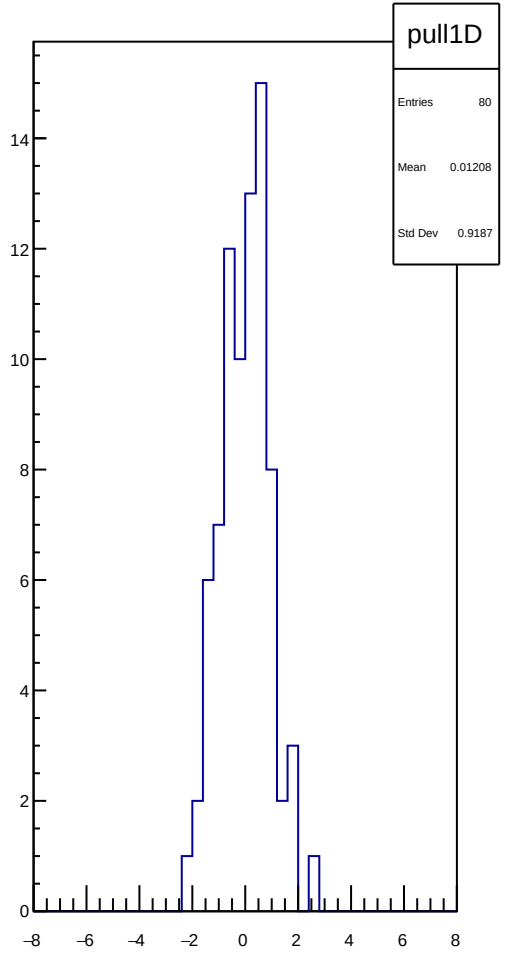

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.395 / 79
p0 −70.55 ± 5.416
pull
Entries 80
Mean 135.3
Std Dev 75.23

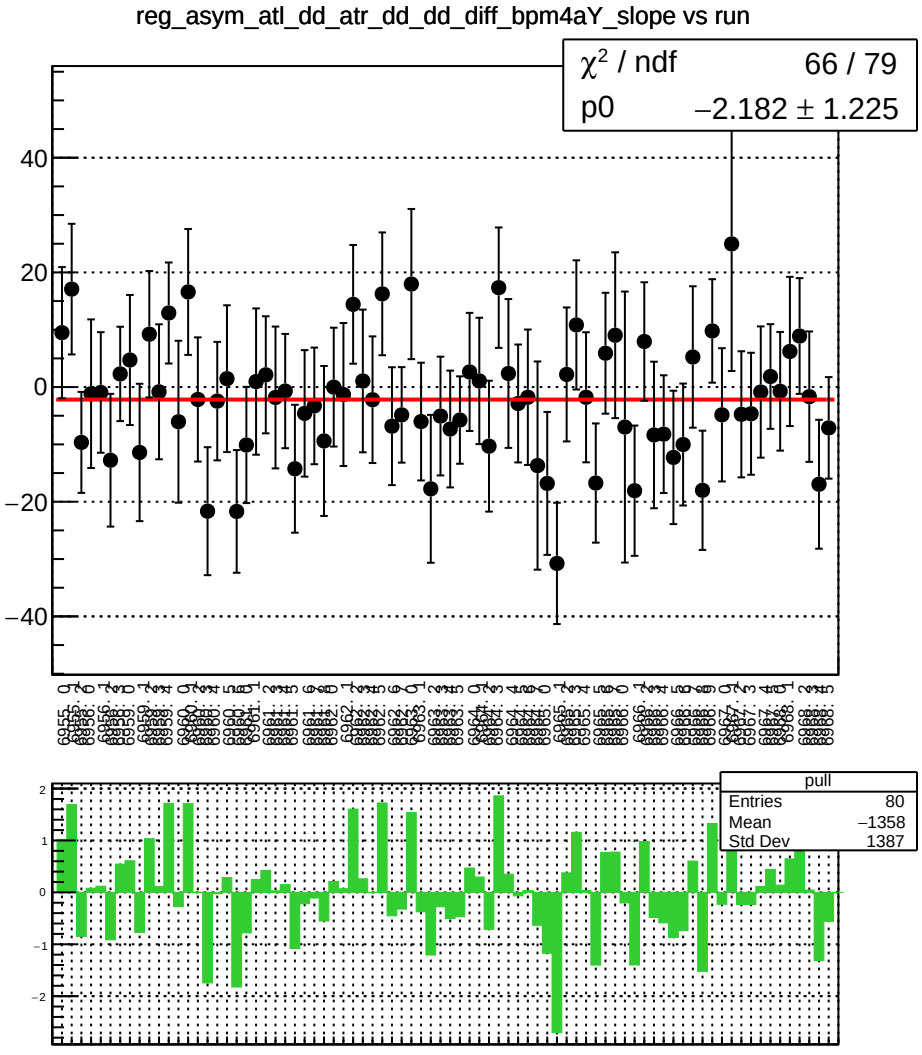

pull1D
Entries 80
Mean 0.01142
Std Dev 0.2594

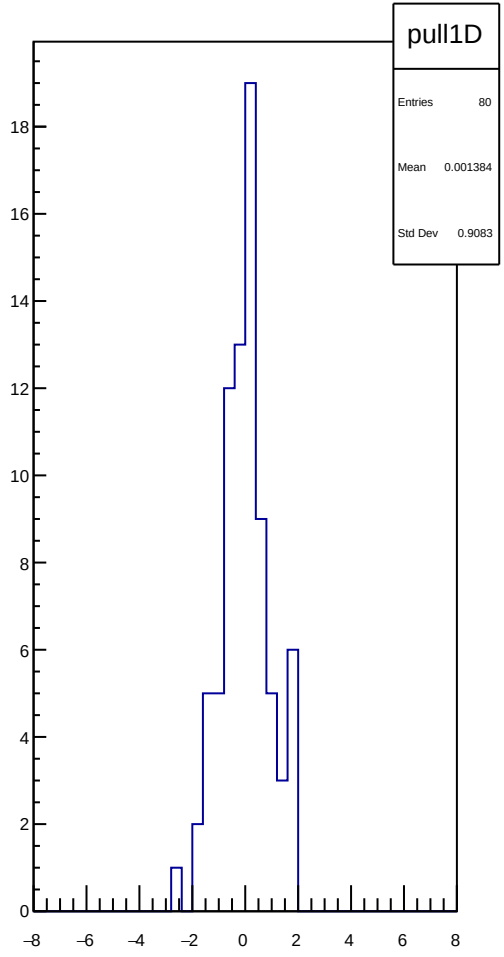

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.318 / 79
p0 129.8 ± 0.2122
pull
Entries 80
Mean 2.539e+04
Std Dev 2.535e+04

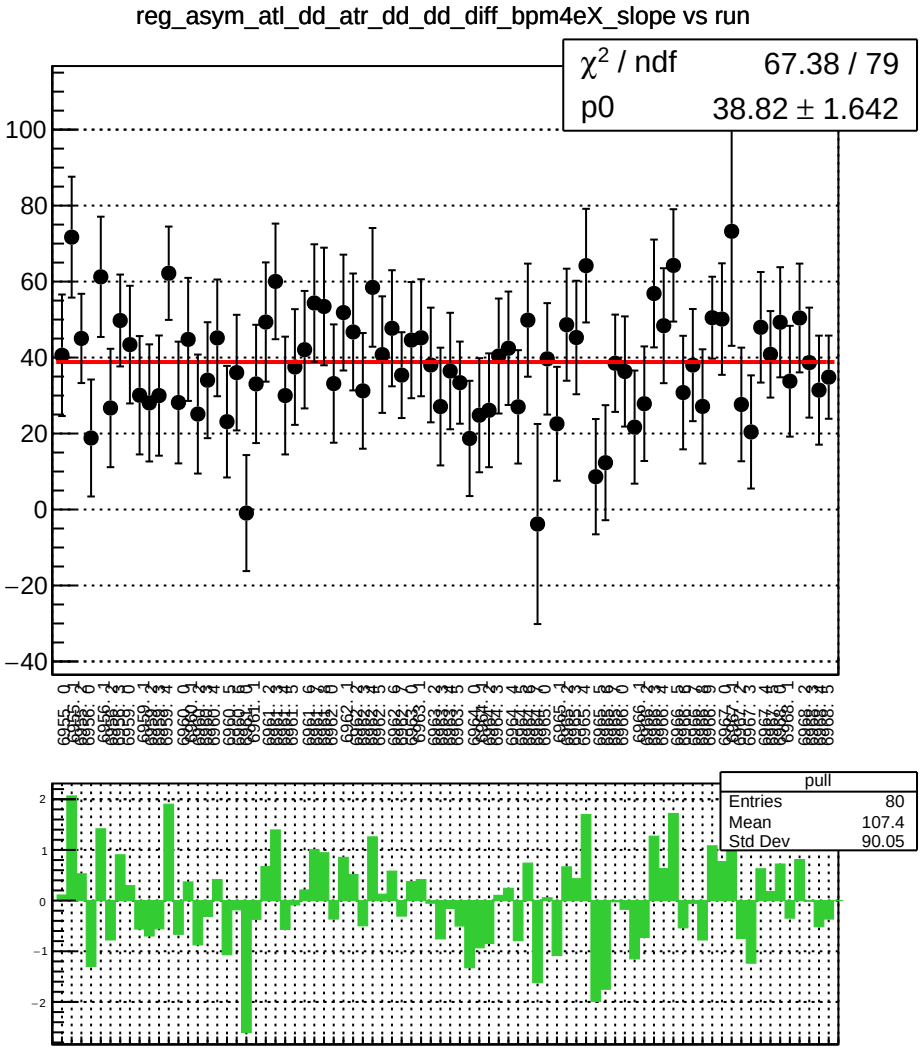

pull1D
Entries 80
Mean 7.265e−05
Std Dev 0.281

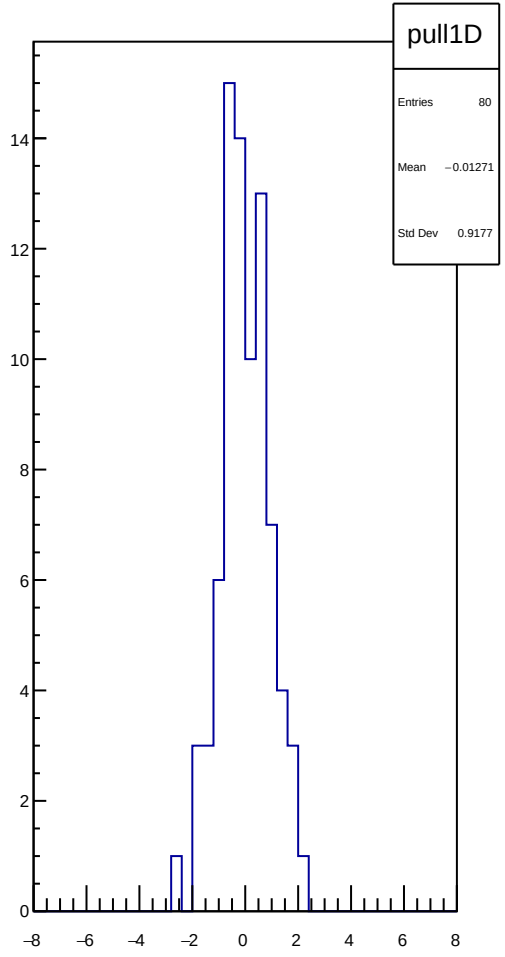

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 67.53 / 79
p0 29.4 ± 1.774
pull
Entries 80
Mean 133.8
Std Dev 110.2

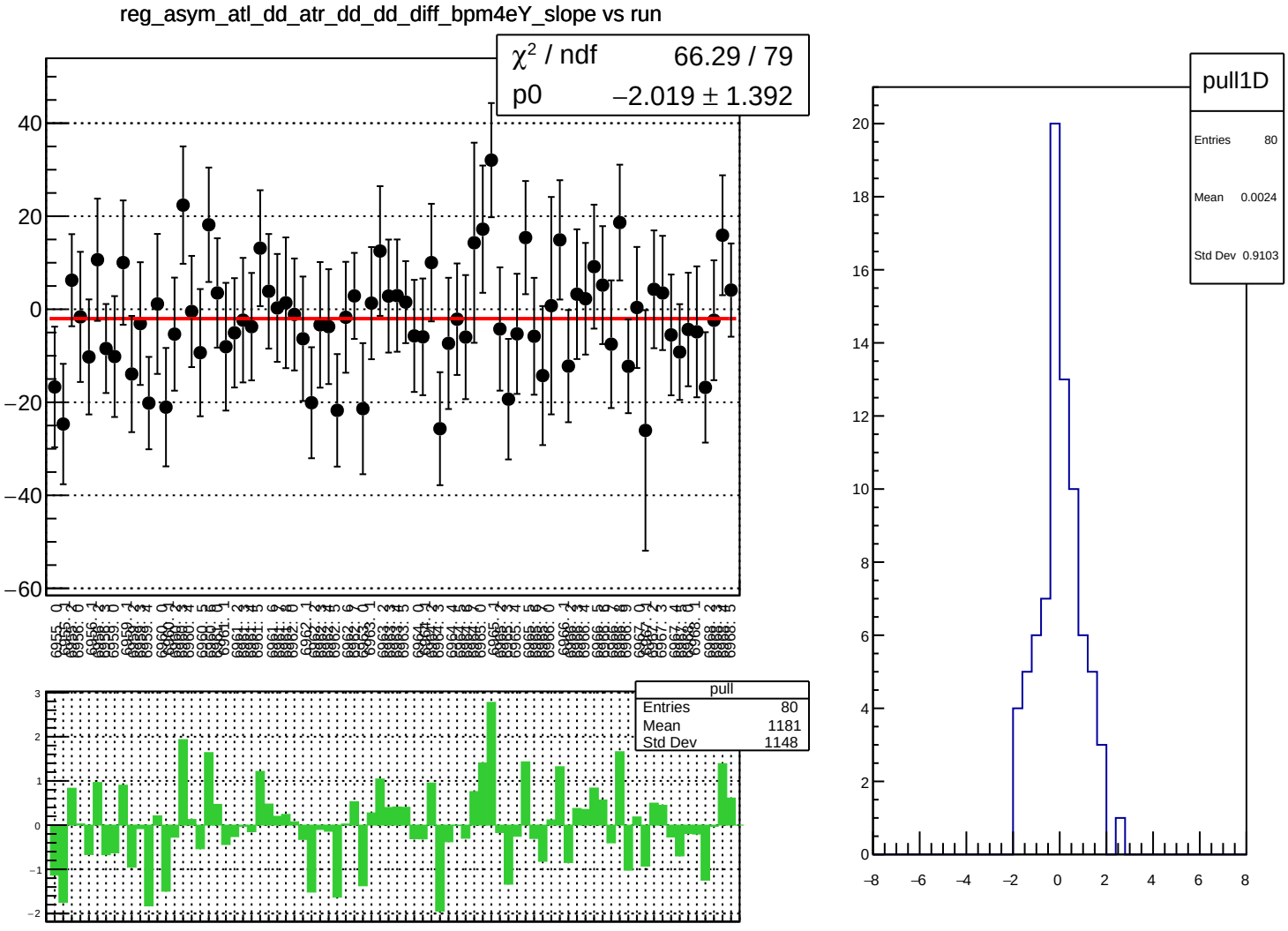

pull1D
Entries 80
Mean 0.01208
Std Dev 0.9187

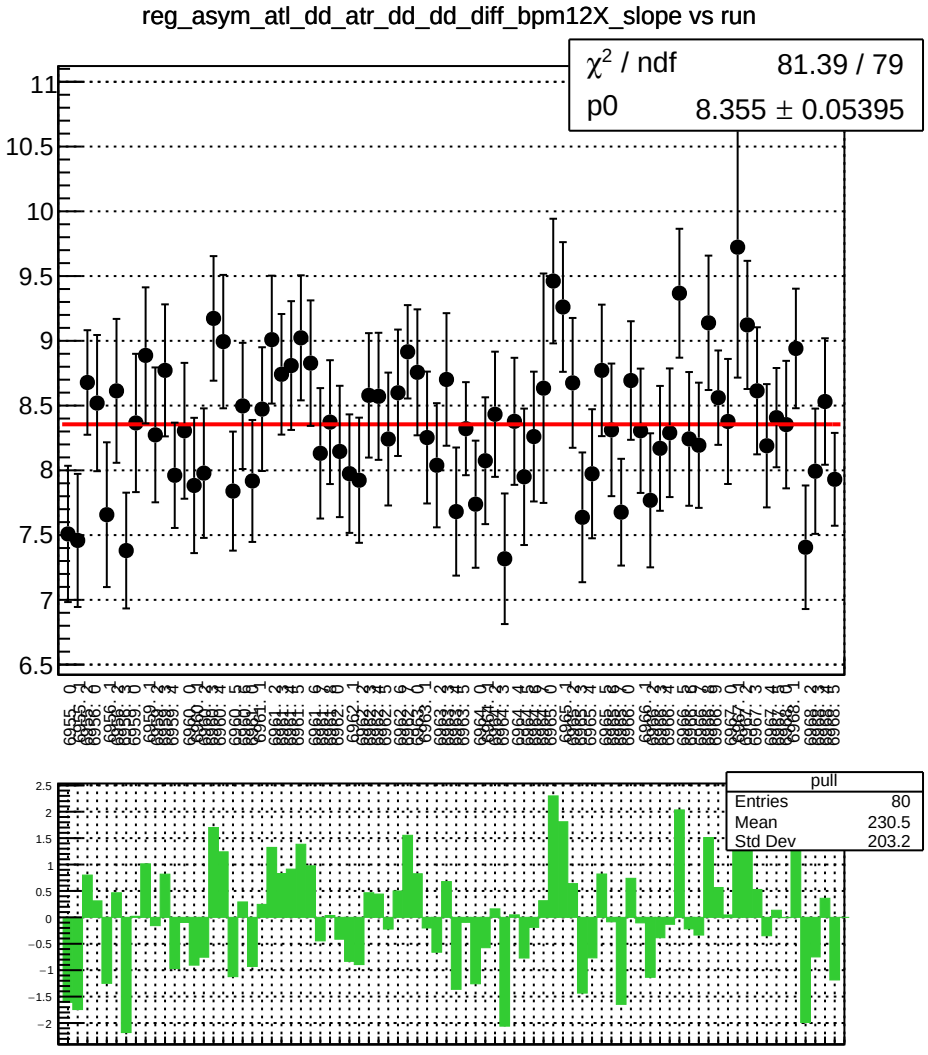

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 66 / 79
p0 −2.182 ± 1.225
pull
Entries 80
Mean −1358
Std Dev 1387

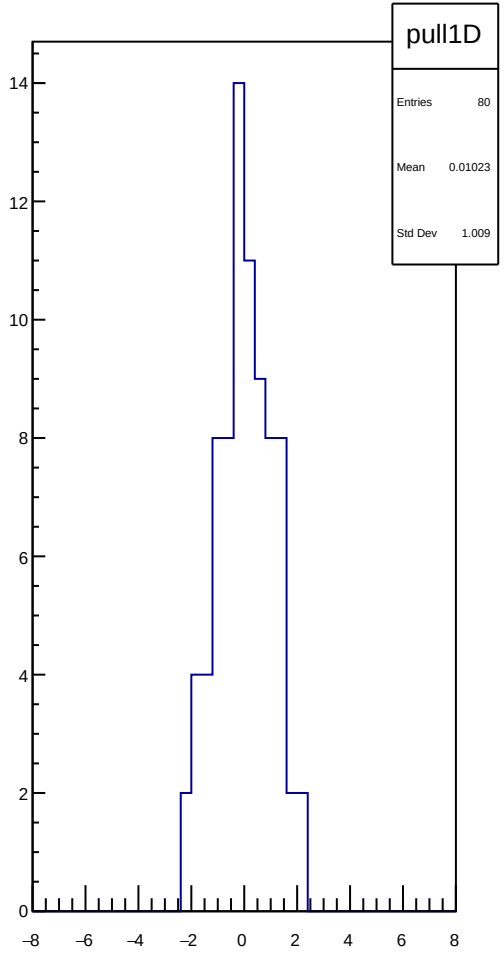

pull1D
Entries 80
Mean 0.001384
Std Dev 0.9083

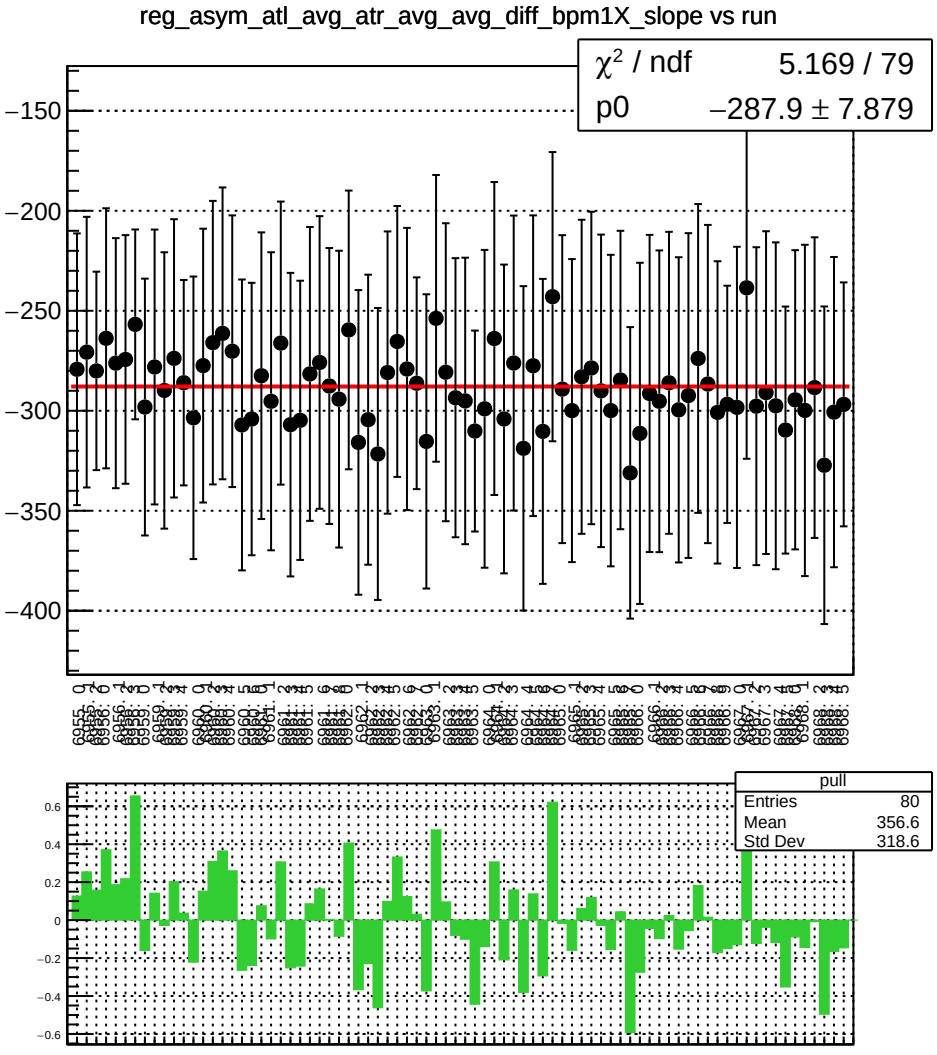

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.38 / 79
p0 38.82 ± 1.642
pull
Entries 80
Mean 107.4
Std Dev 90.05

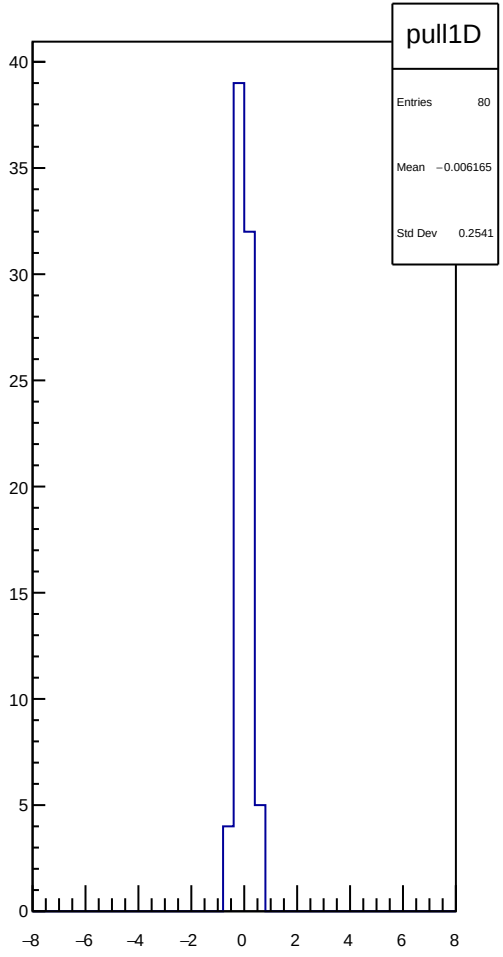

pull1D
Entries 80
Mean −0.01271
Std Dev 0.9177


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.29 / 79
p0 −2.019 ± 1.392
pull
Entries 80
Mean 1181
Std Dev 1148
pull1D
Entries 80
Mean 0.0024
Std Dev 0.9103

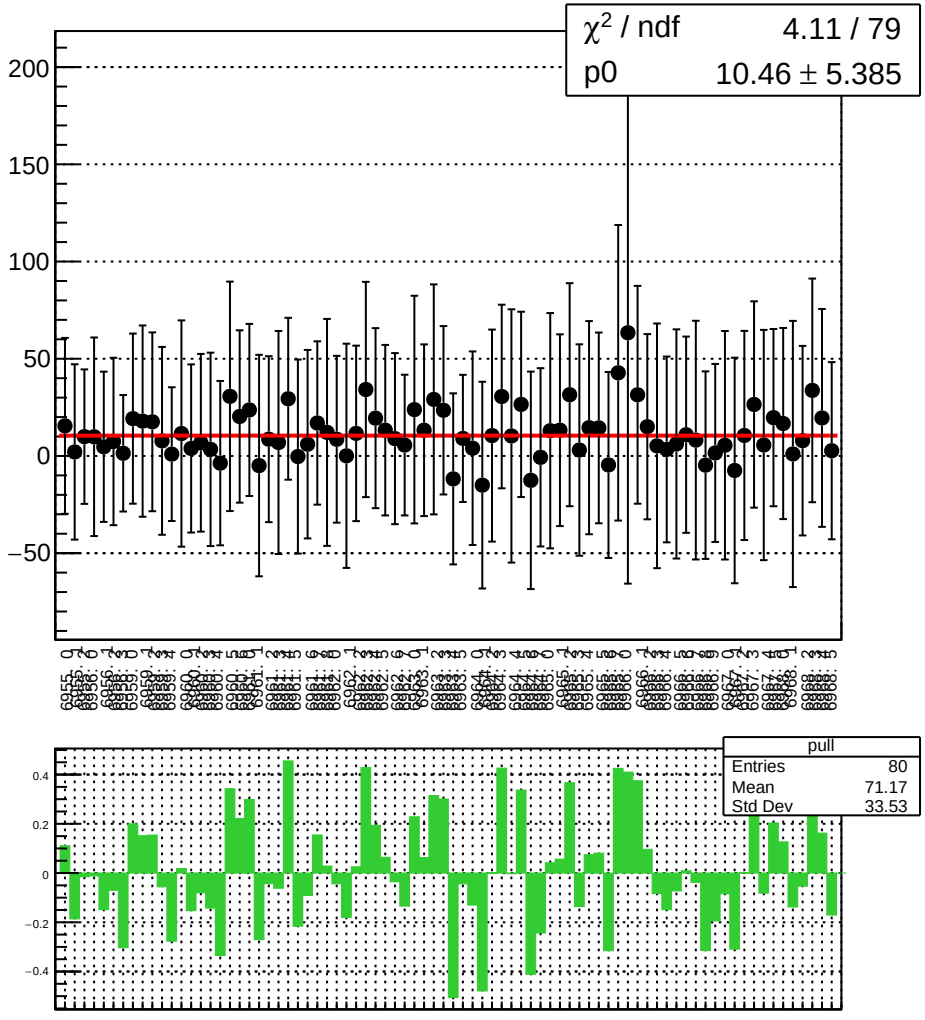

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 81.39 / 79
p0 8.355 ± 0.05395
pull
Entries 80
Mean 230.5
Std Dev 203.2

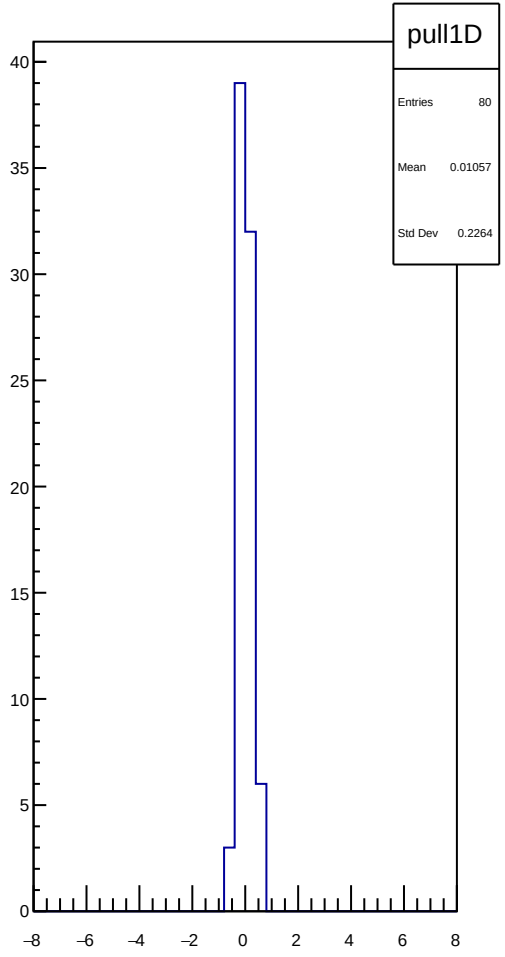

pull1D
Entries 80
Mean 0.01023
Std Dev 1.009

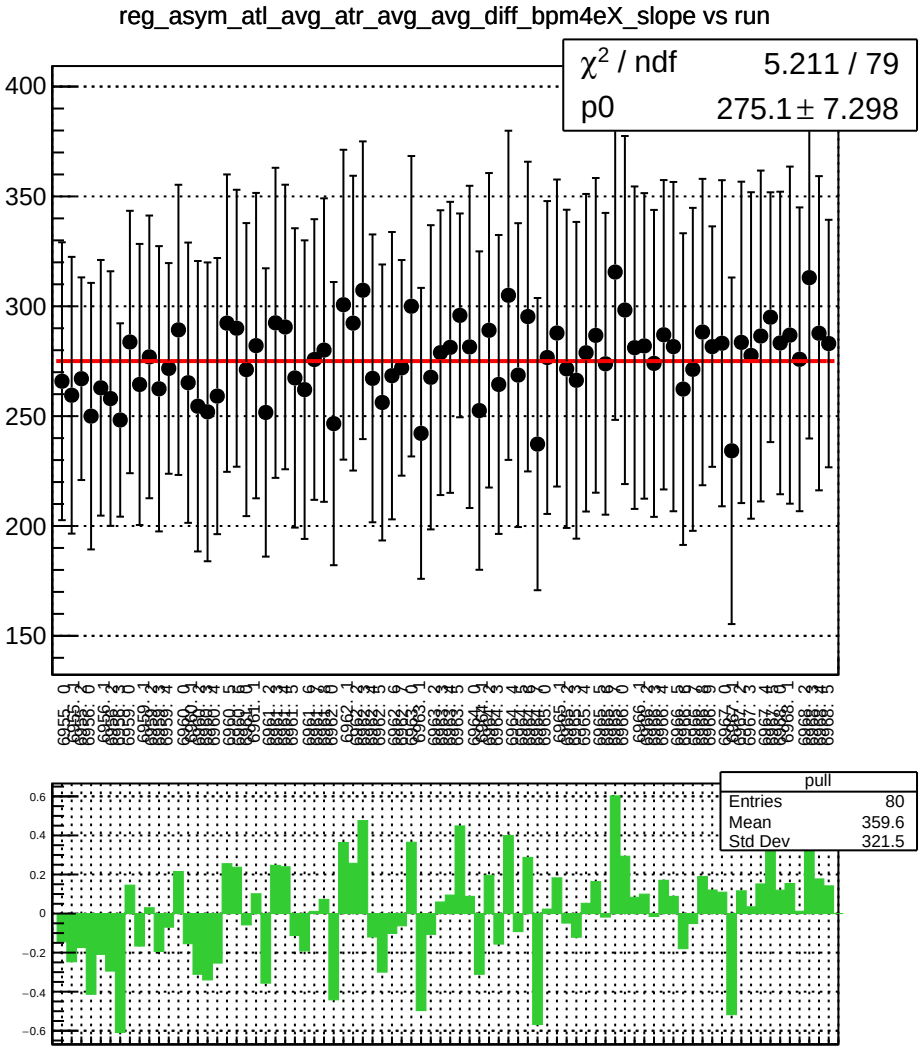

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.169 / 79
p0 −287.9 ± 7.879
pull
Entries 80
Mean 356.6
Std Dev 318.6

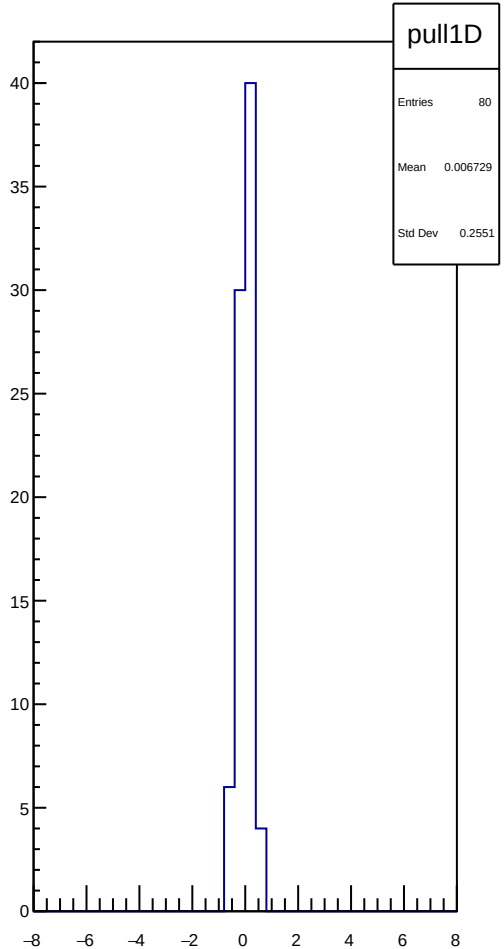

pull1D
Entries 80
Mean −0.006165
Std Dev 0.2541

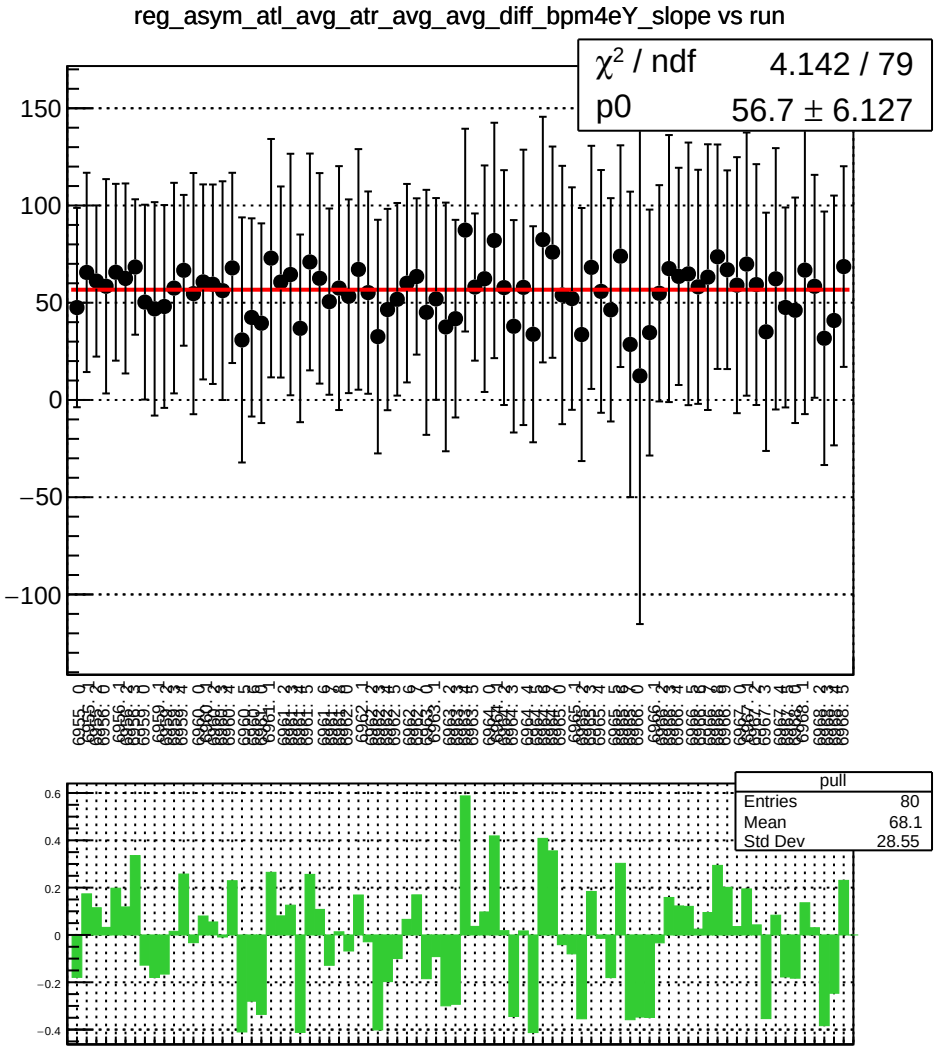
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run

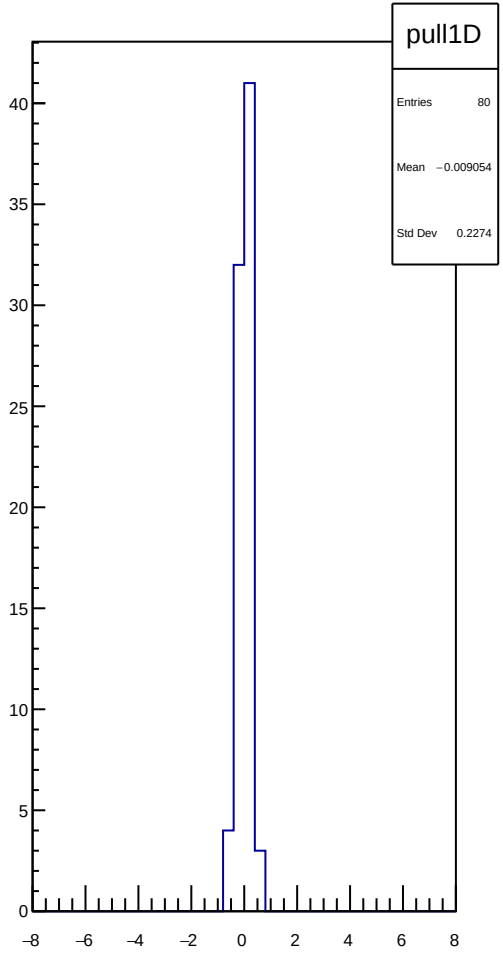


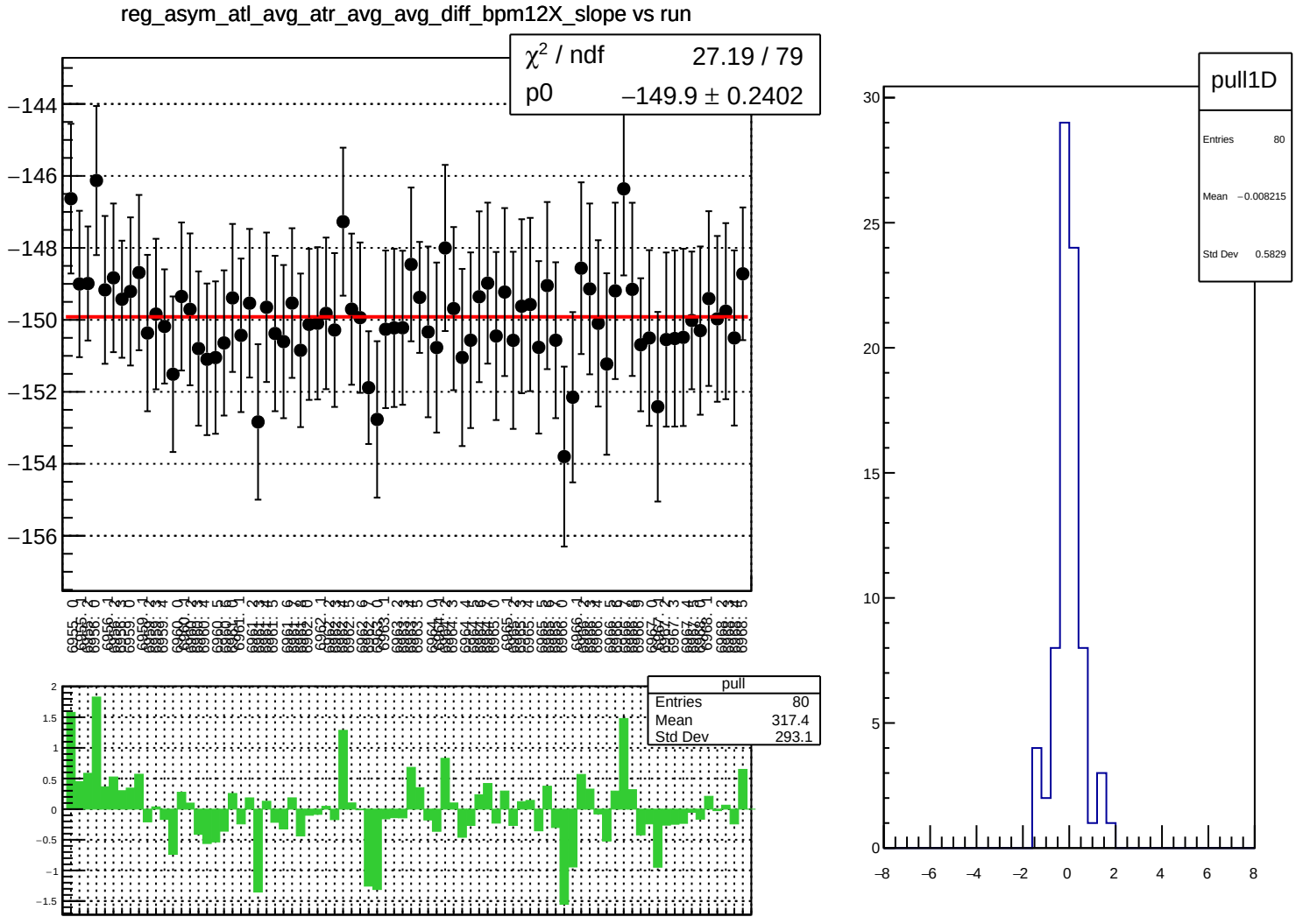


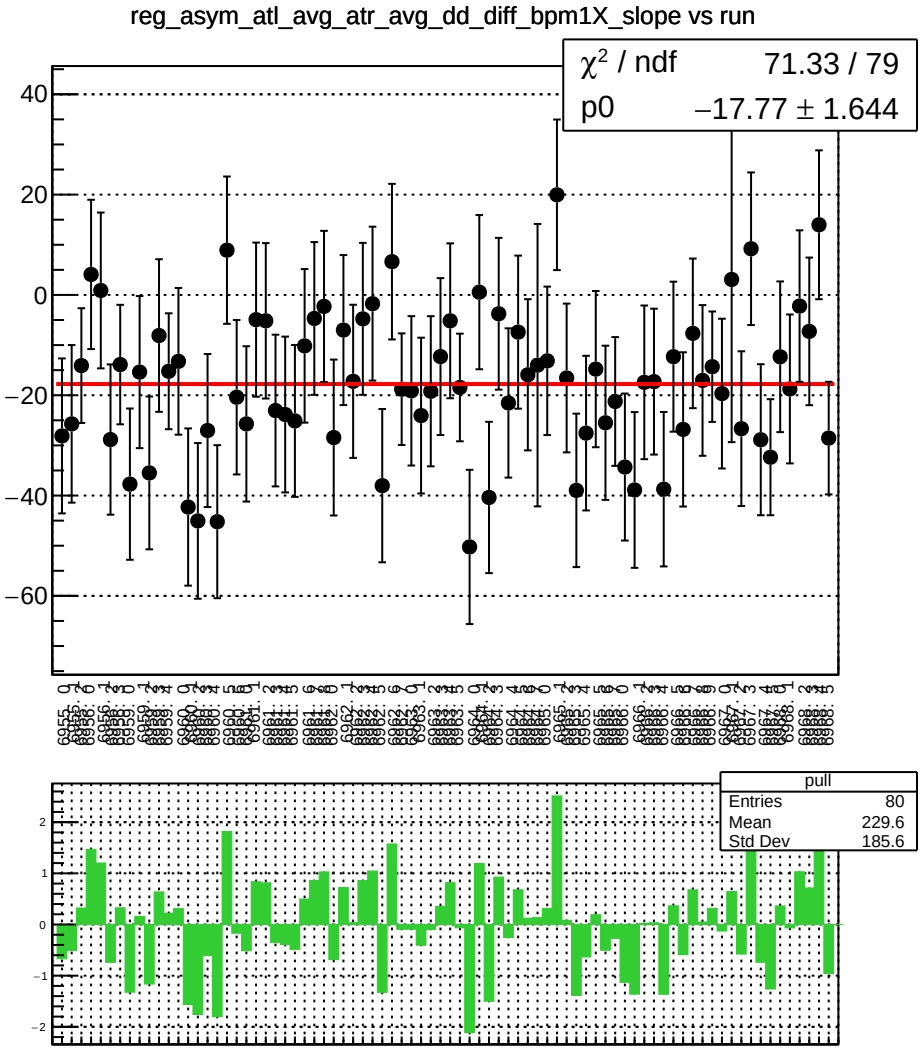

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.211 / 79
p0 275.1 ± 7.298
pull
Entries 80
Mean 359.6
Std Dev 321.5

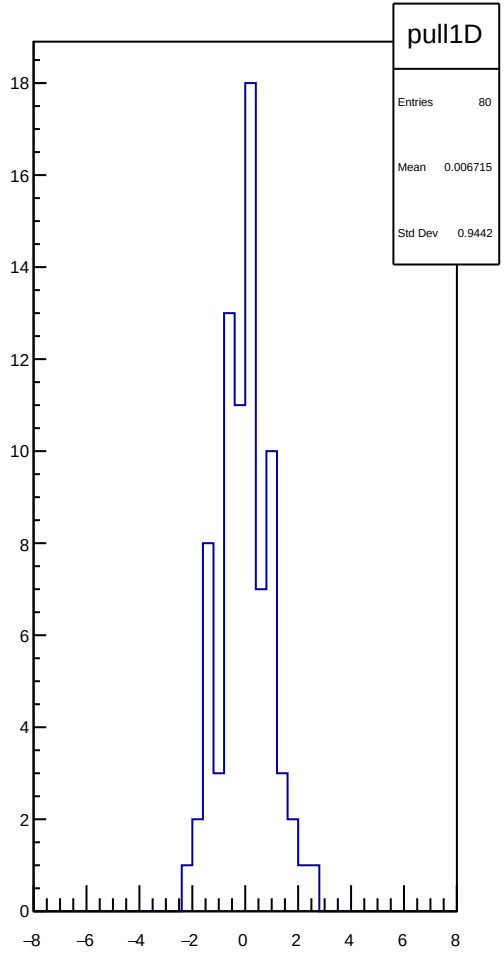

pull1D
Entries 80
Mean 0.006729
Std Dev 0.2551


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.142 / 79
p0 56.7 ± 6.127
pull
Entries 80
Mean 68.1
Std Dev 28.55

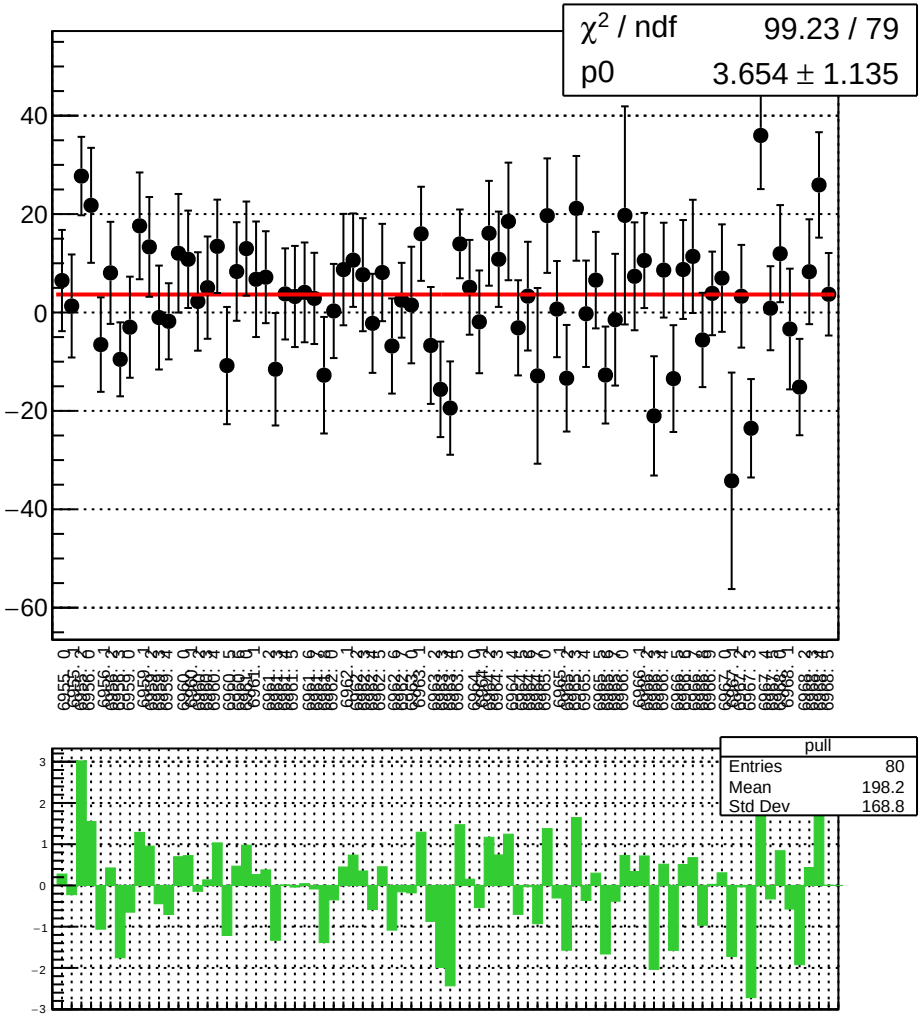

pull1D
Entries 80
Mean −0.009054
Std Dev 0.2274

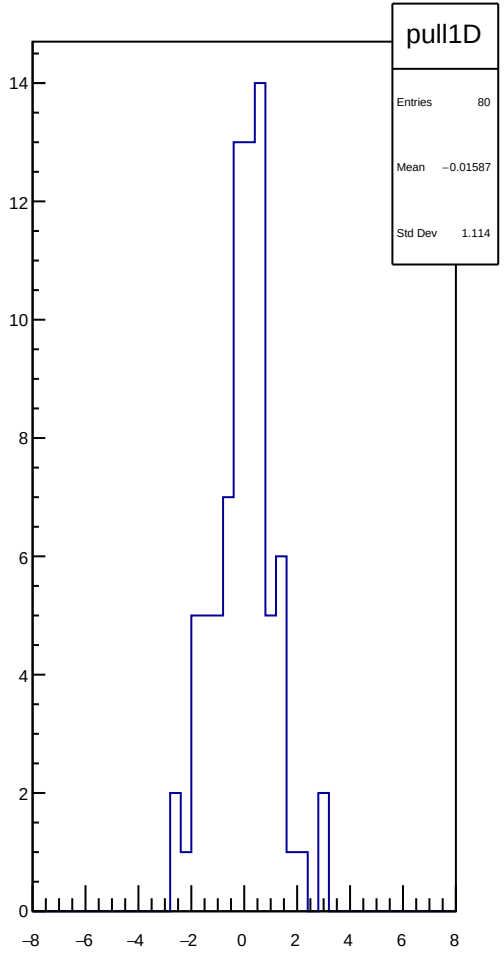

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 27.19 / 79
p0 −149.9 ± 0.2402
pull
Entries 80
Mean 317.4
Std Dev 293.1
pull1D
Entries 80
Mean −0.008215
Std Dev 0.5829

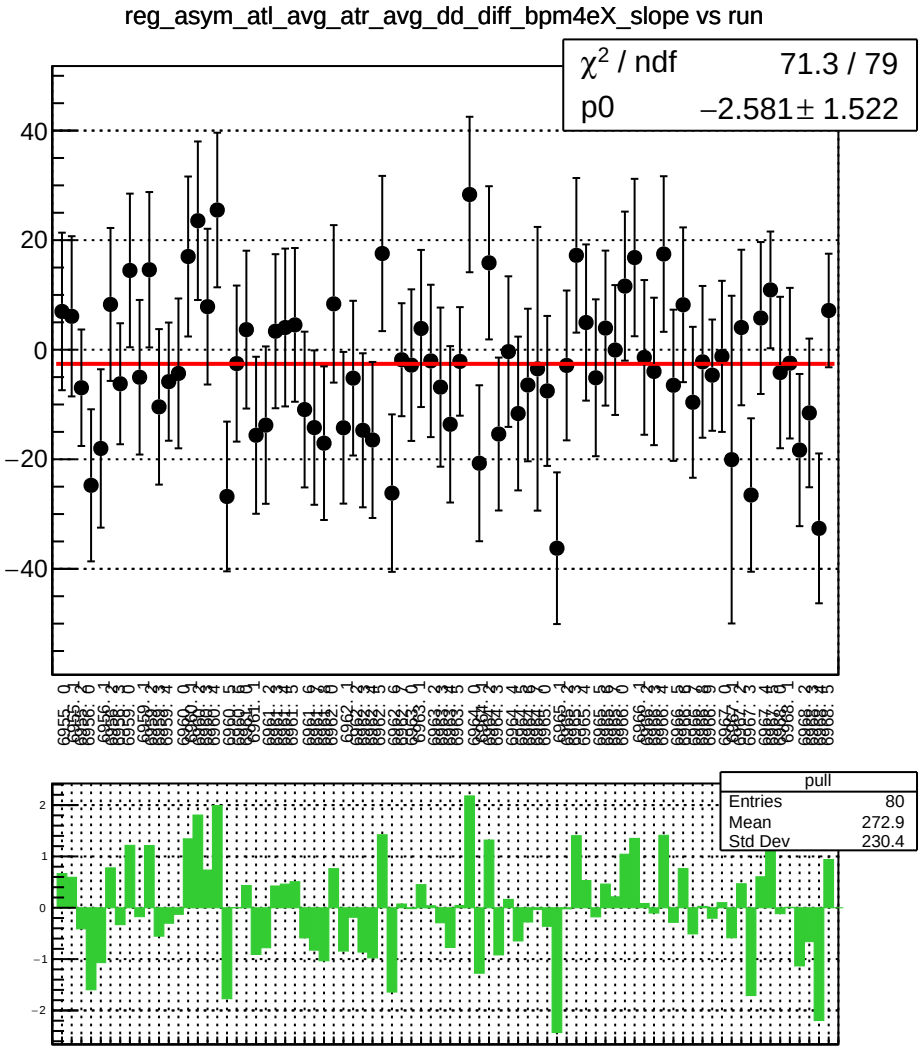

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 71.33 / 79
p0 −17.77 ± 1.644
pull
Entries 80
Mean 229.6
Std Dev 185.6

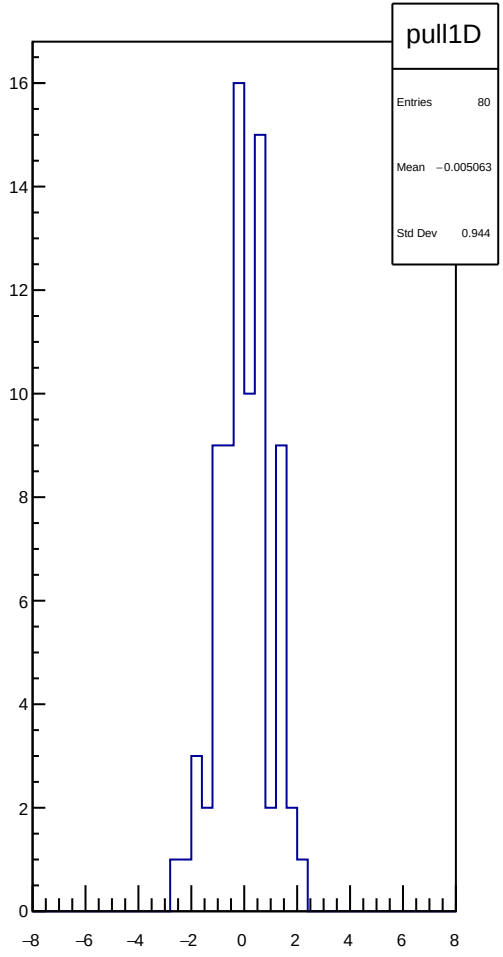

pull1D
Entries 80
Mean 0.006715
Std Dev 0.9442

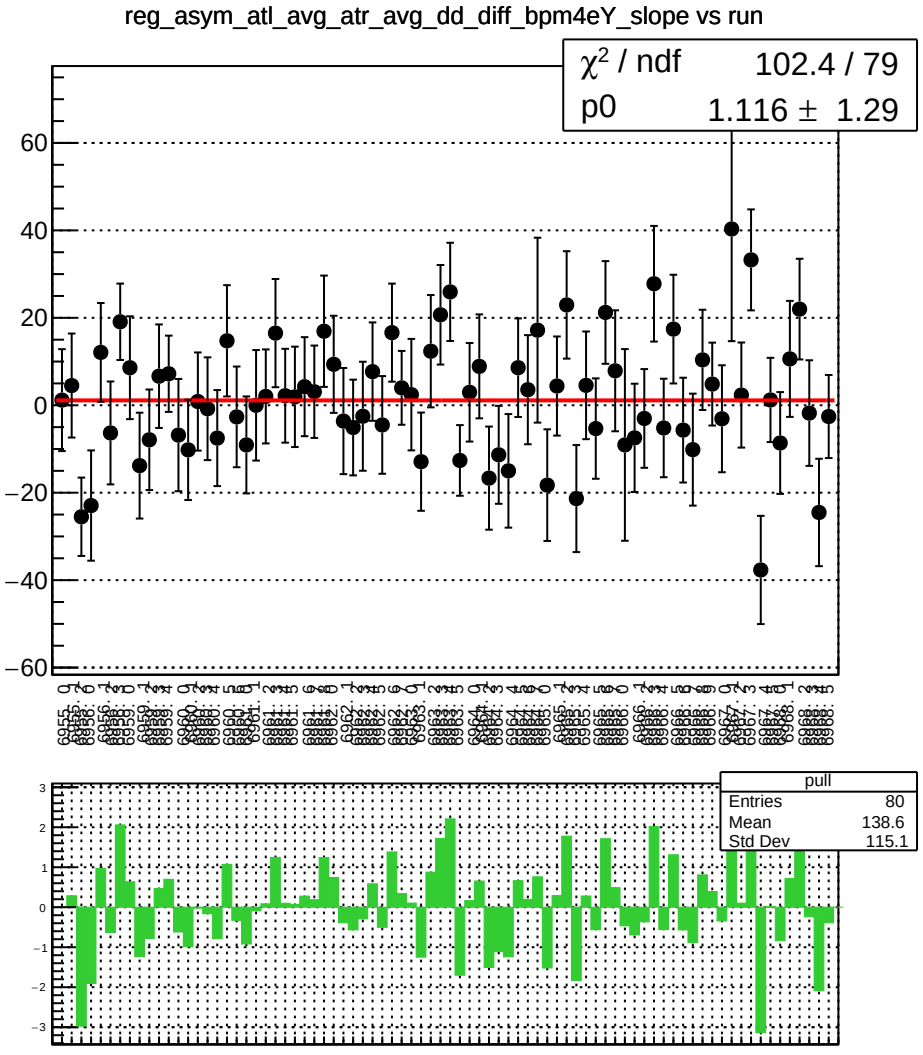
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

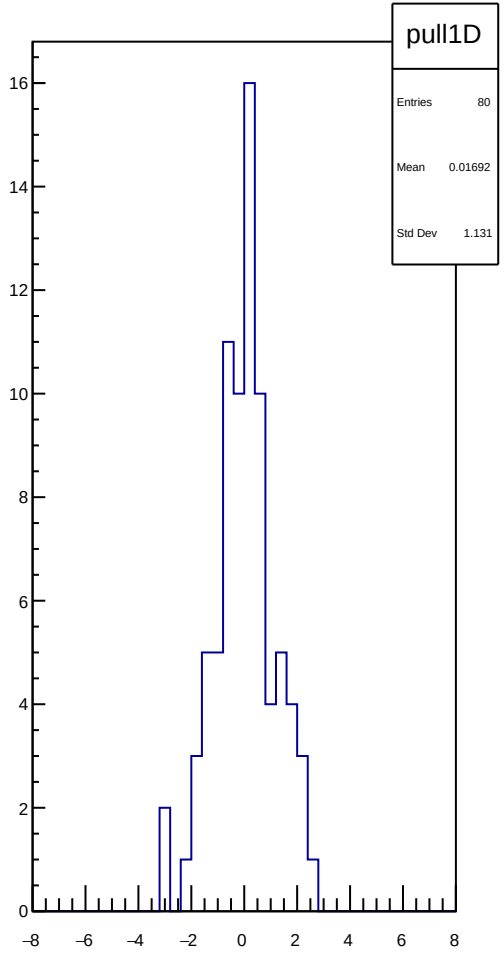


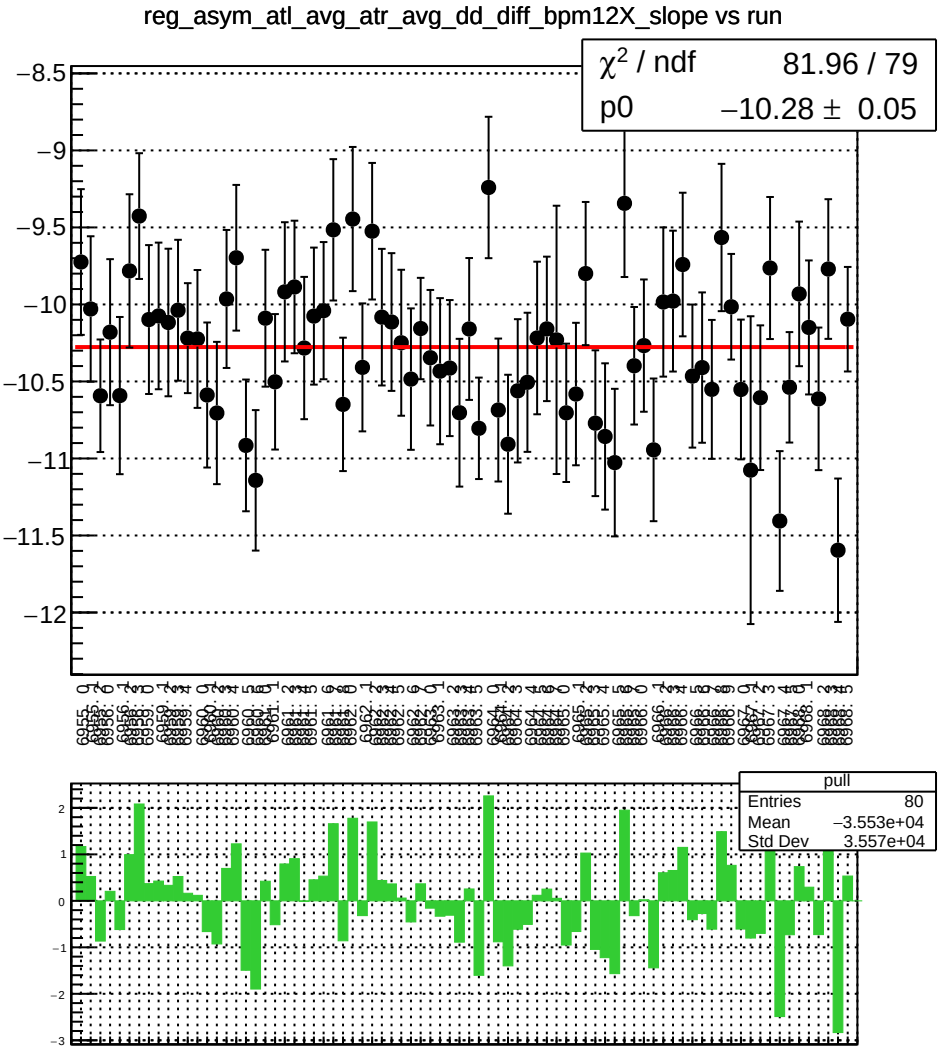


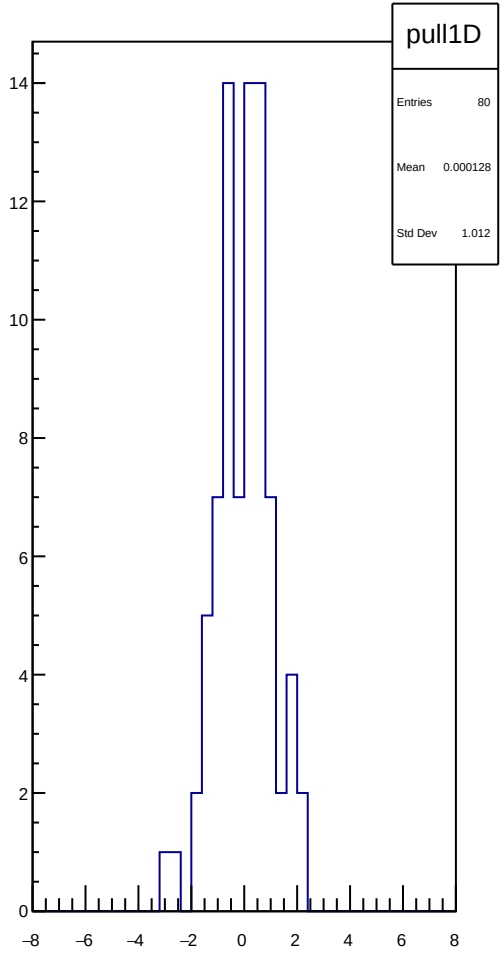

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.3 / 79
p0 −2.581 ± 1.522
pull
Entries 80
Mean 272.9
Std Dev 230.4

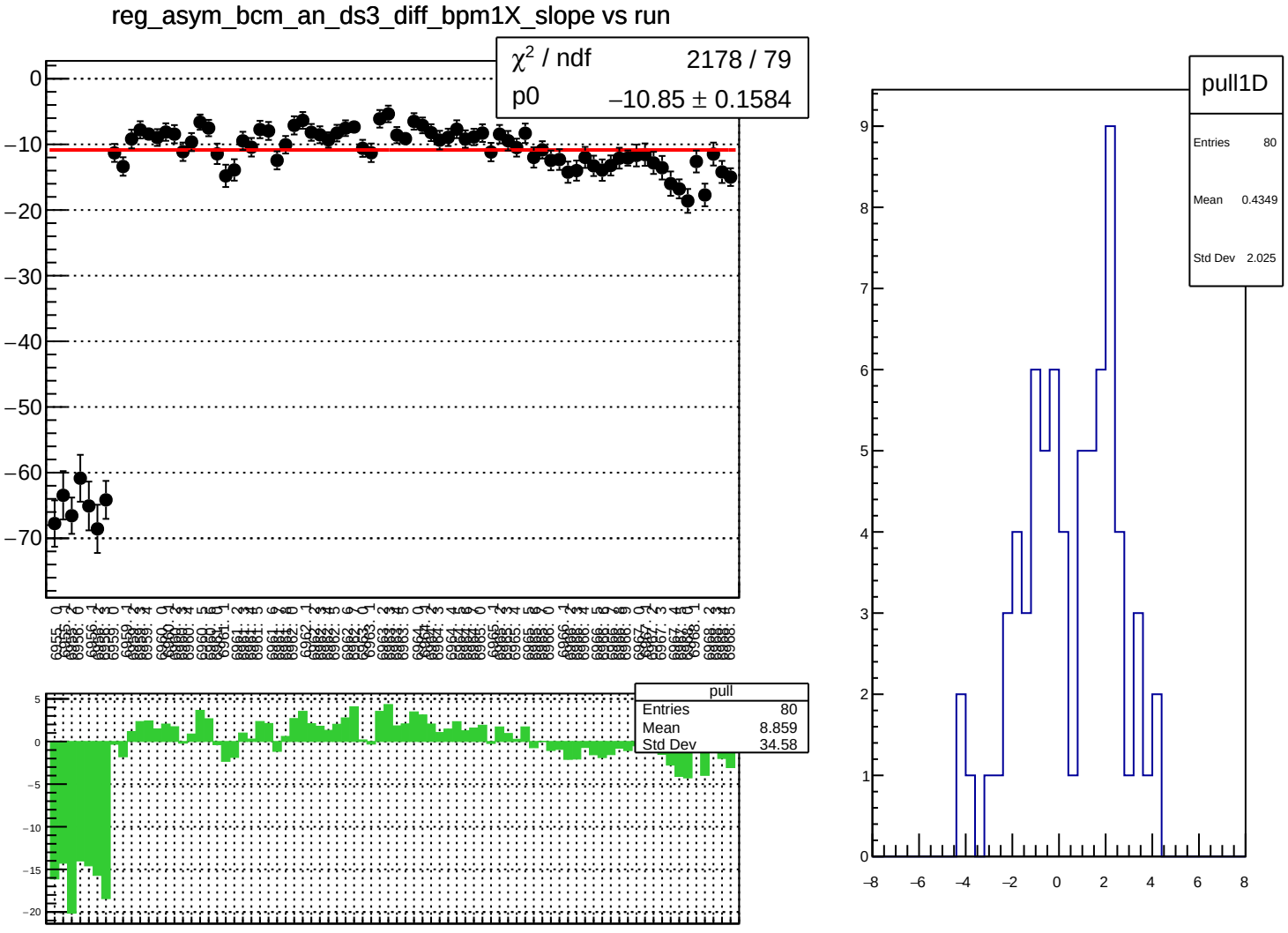

pull1D
Entries 80
Mean −0.005063
Std Dev 0.944

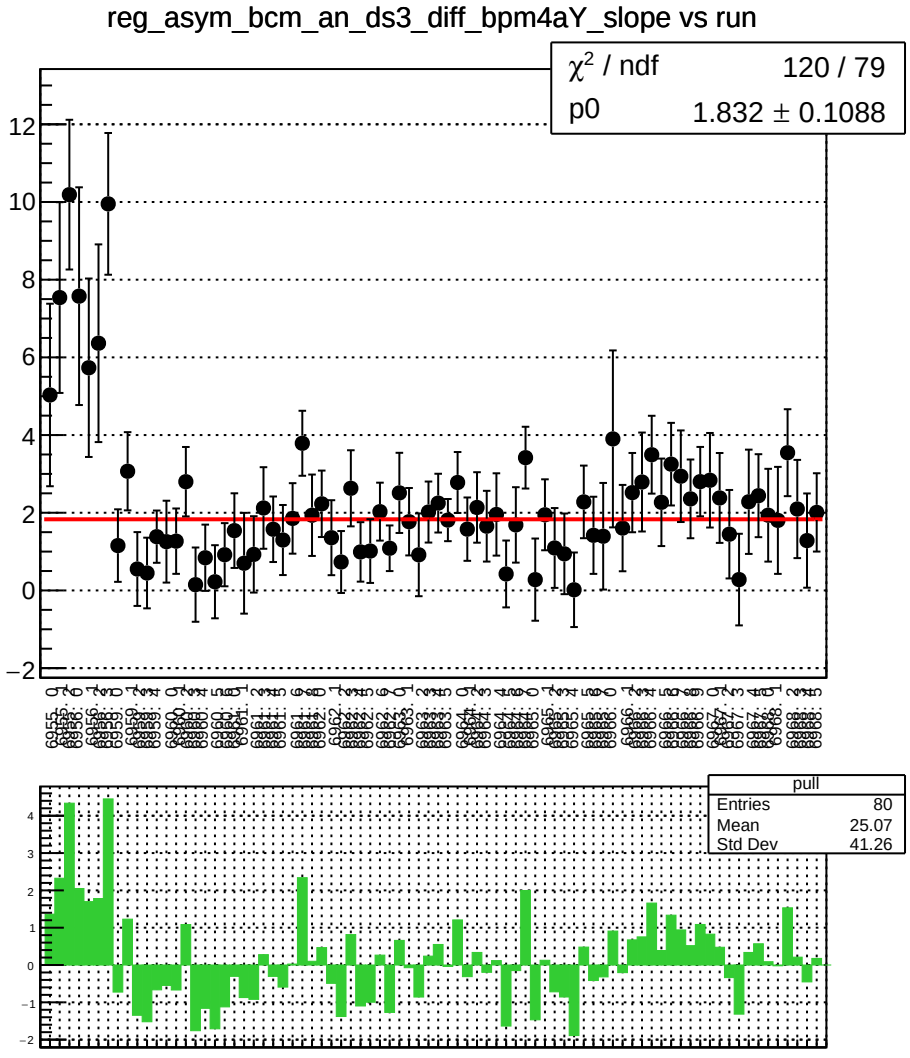

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 102.4 / 79
p0 1.116 ± 1.29
pull
Entries 80
Mean 138.6
Std Dev 115.1

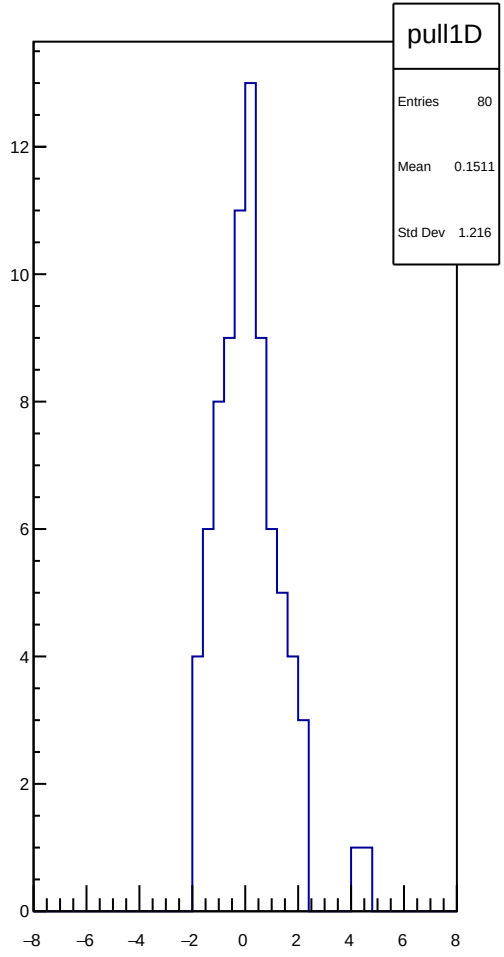

pull1D
Entries 80
Mean 0.01692
Std Dev 1.131

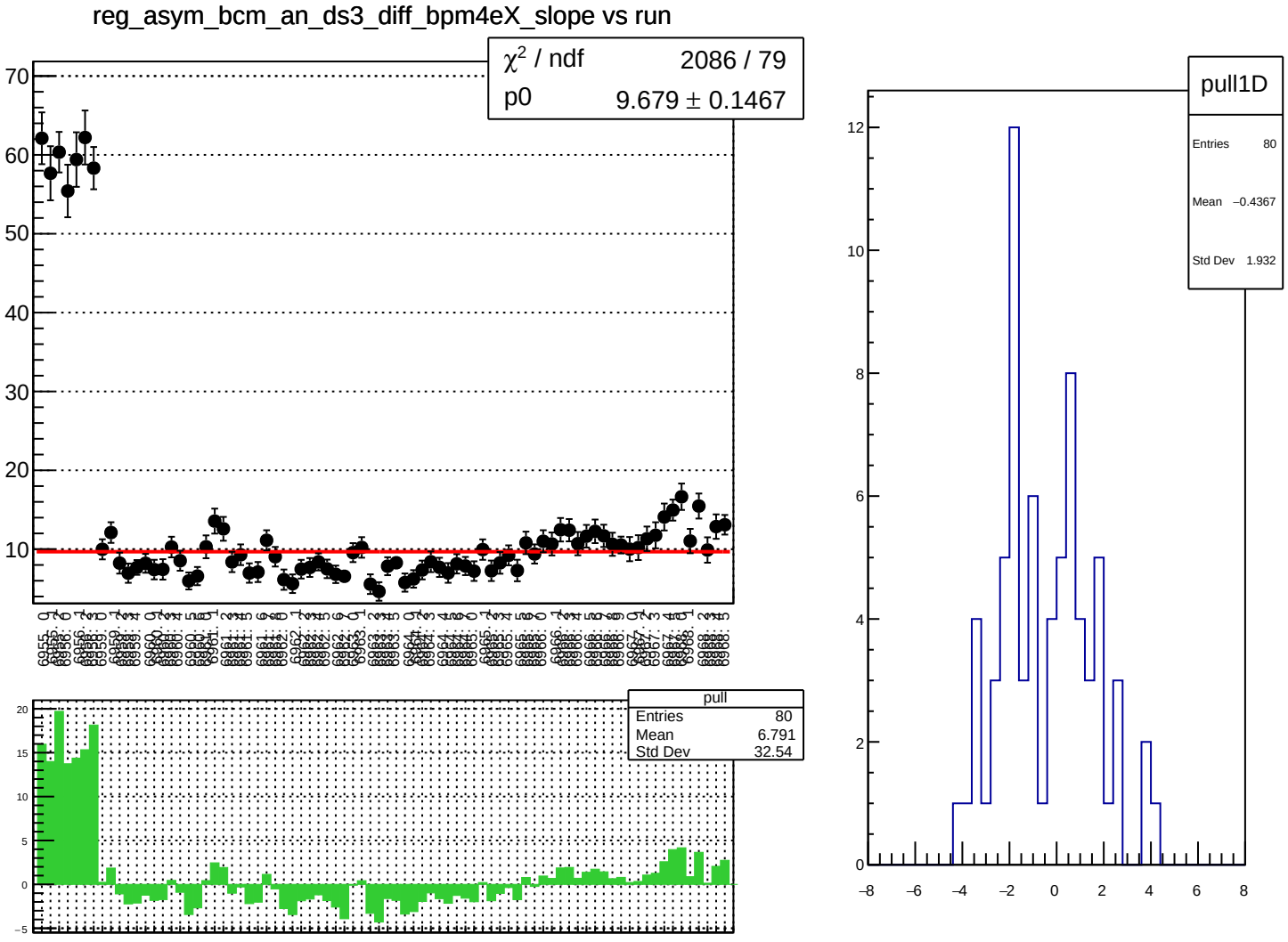

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 81.96 / 79
p0 −10.28 ± 0.05
pull
Entries 80
Mean −3.553e+04
Std Dev 3.557e+04

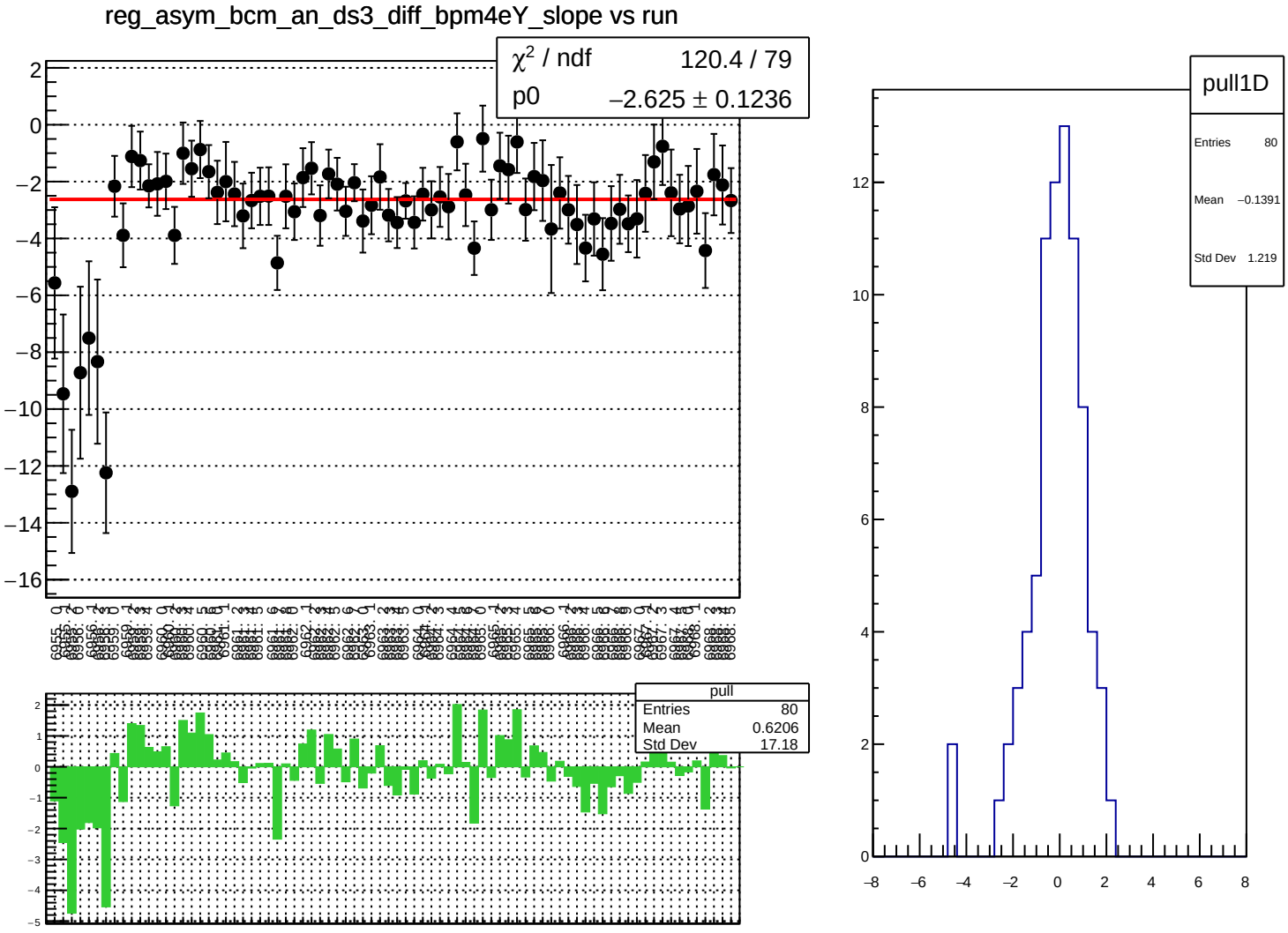

pull1D
Entries 80
Mean 0.000128
Std Dev 1.012

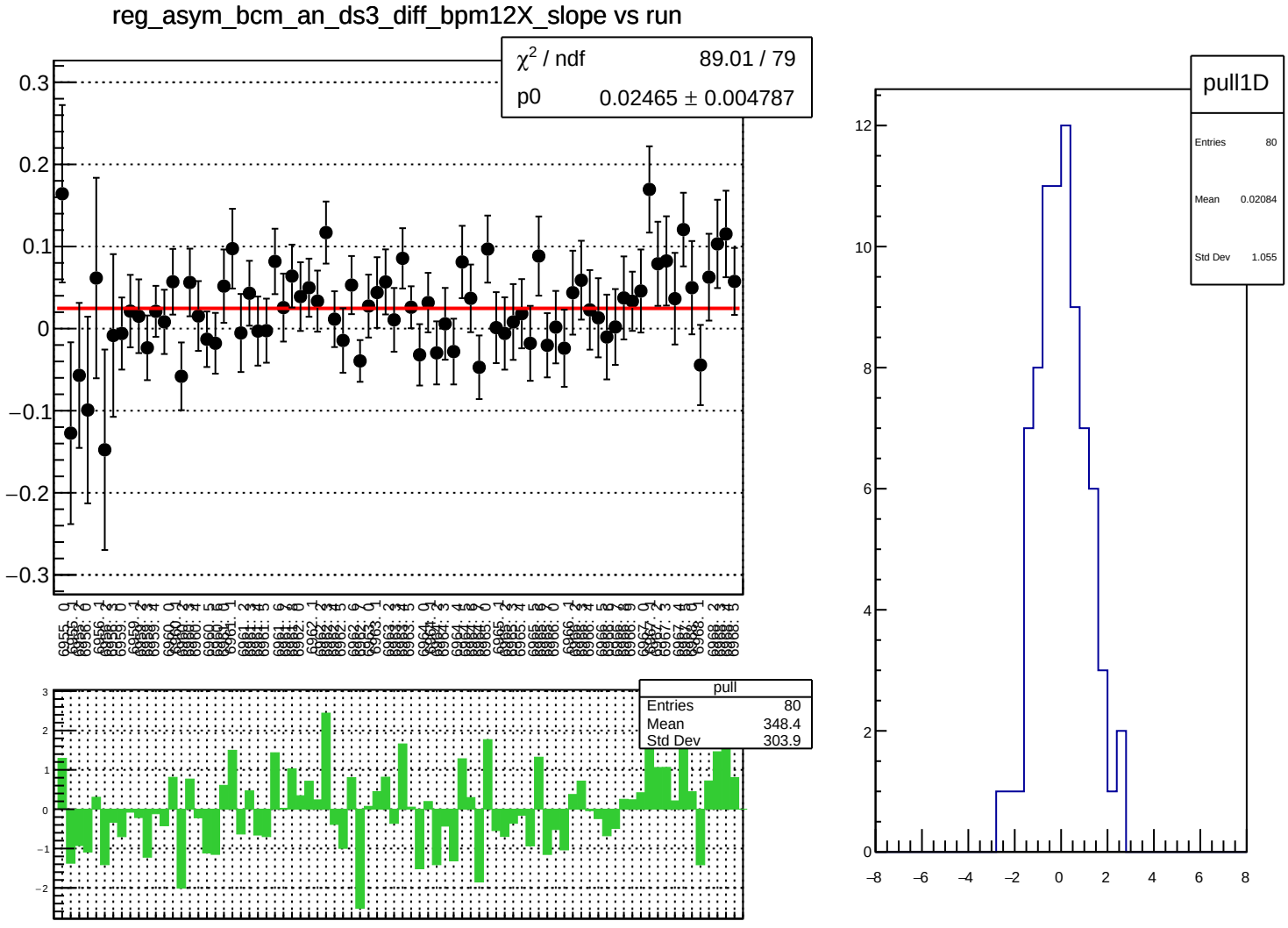

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2178 / 79
p0 −10.85 ± 0.1584
pull
Entries 80
Mean 8.859
Std Dev 34.58
pull1D
Entries 80
Mean 0.4349
Std Dev 2.025

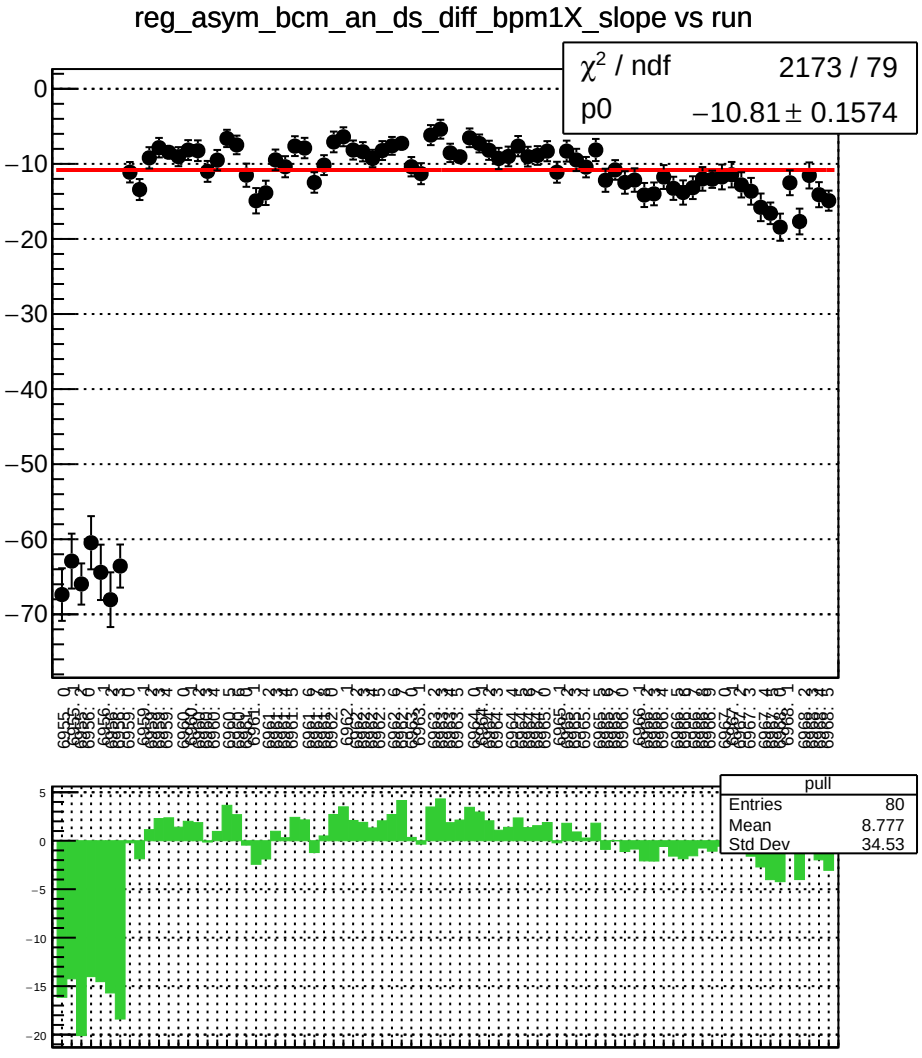

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 120 / 79
p0 1.832 ± 0.1088
pull
Entries 80
Mean 25.07
Std Dev 41.26

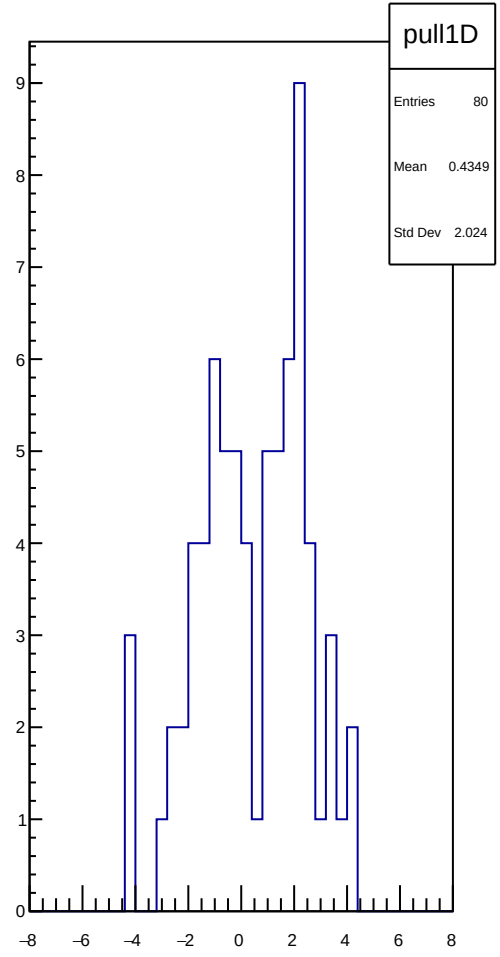

pull1D
Entries 80
Mean 0.1511
Std Dev 1.216

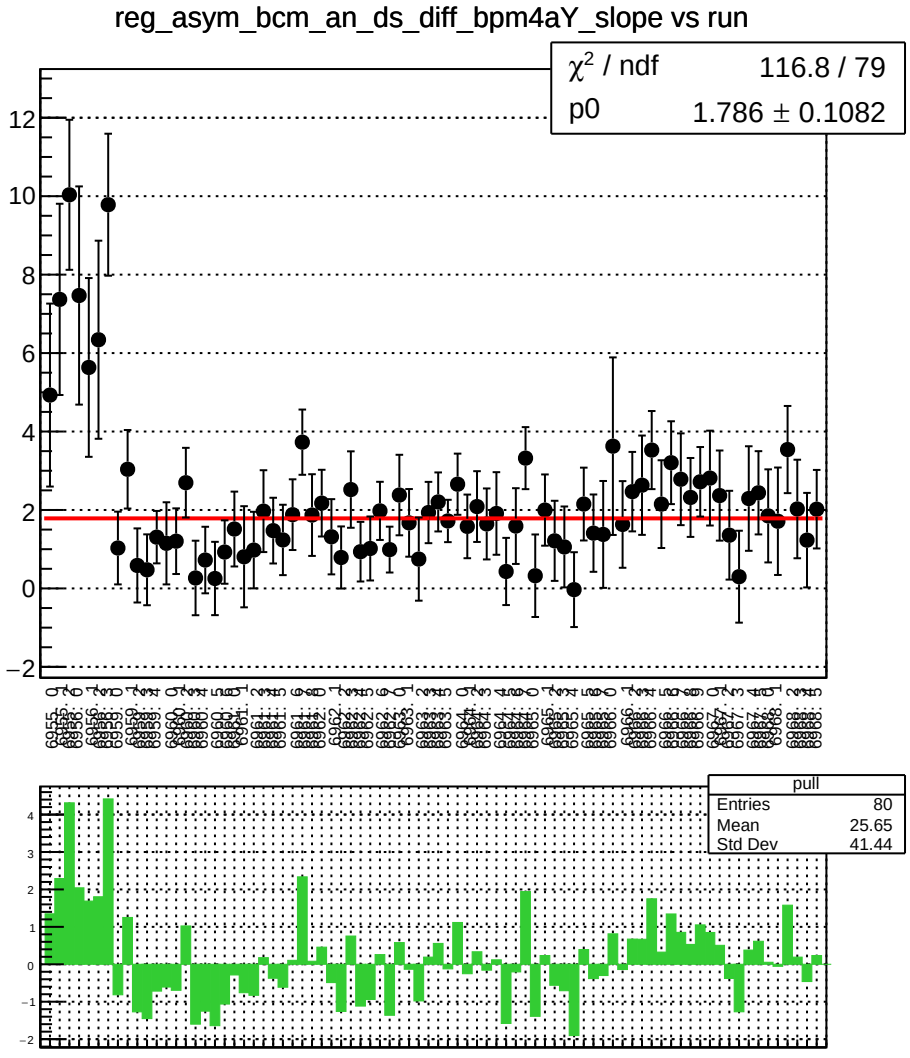

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2086 / 79
p0 9.679 ± 0.1467
pull
Entries 80
Mean 6.791
Std Dev 32.54
pull1D
Entries 80
Mean −0.4367
Std Dev 1.932

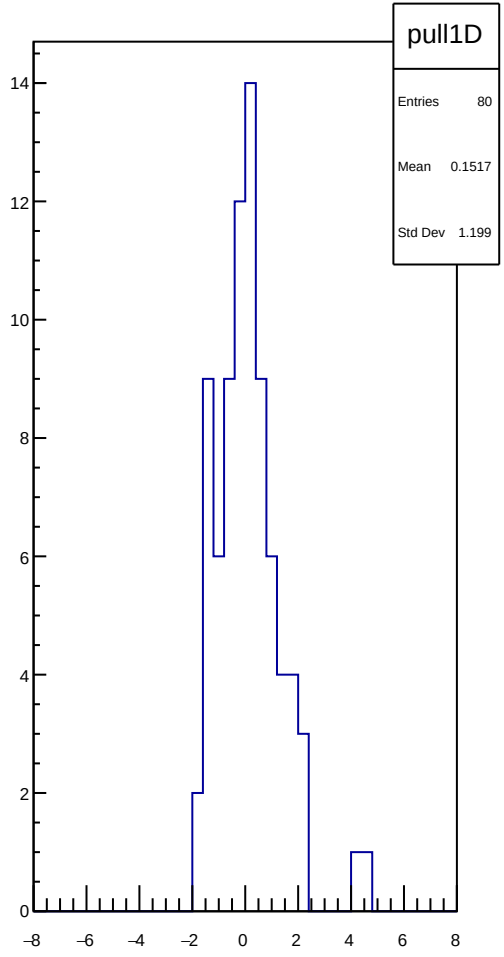

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 120.4 / 79
p0 −2.625 ± 0.1236
pull
Entries 80
Mean 0.6206
Std Dev 17.18
pull1D
Entries 80
Mean −0.1391
Std Dev 1.219

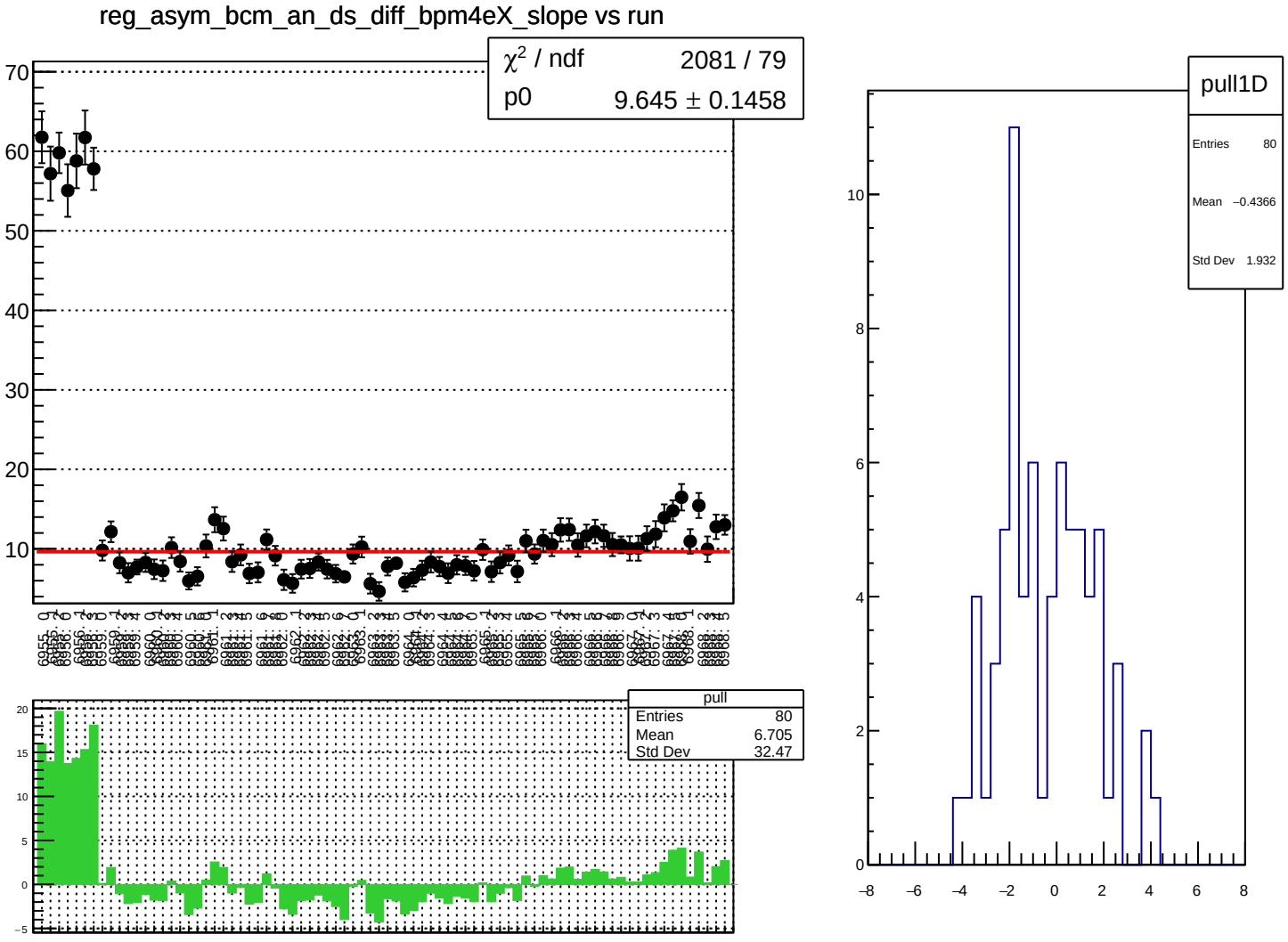

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 89.01 / 79
p0 0.02465 ± 0.004787
pull
Entries 80
Mean 348.4
Std Dev 303.9
pull1D
Entries 80
Mean 0.02084
Std Dev 1.055

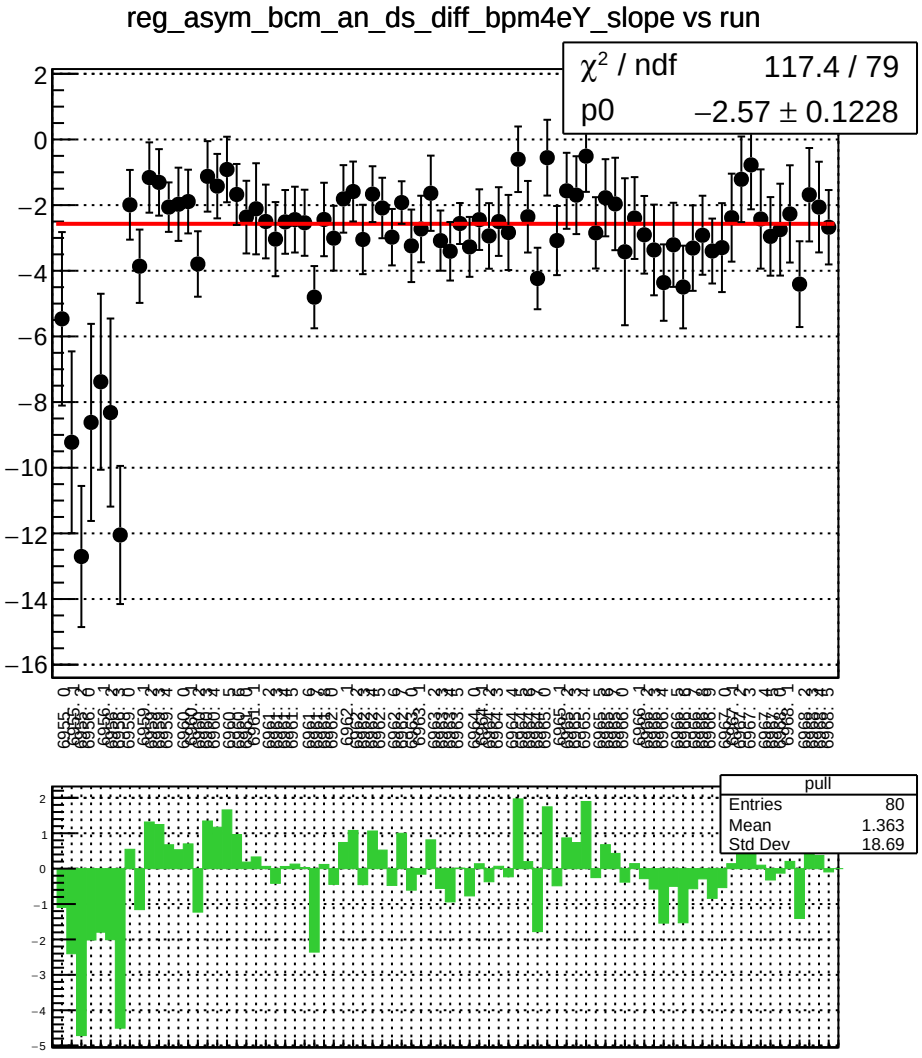

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2173 / 79
p0 −10.81 ± 0.1574
pull
Entries 80
Mean 8.777
Std Dev 34.53

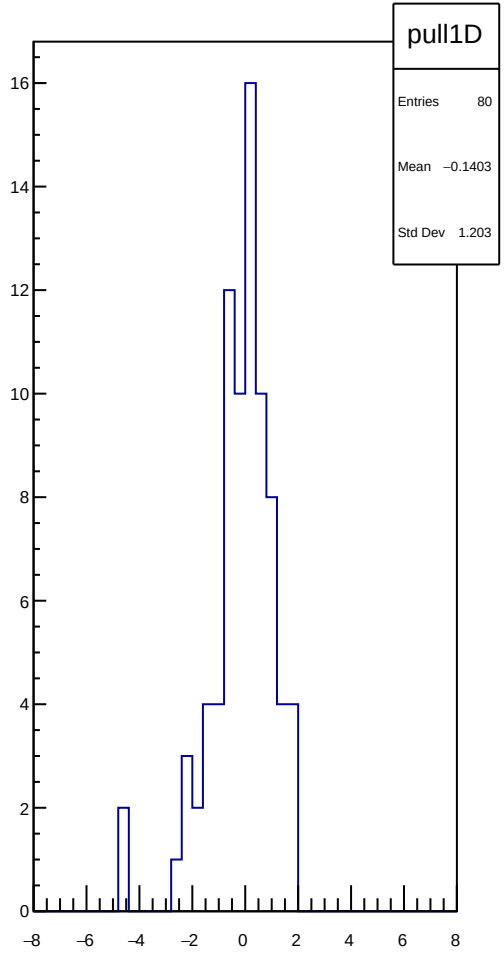

pull1D
Entries 80
Mean 0.4349
Std Dev 2.024

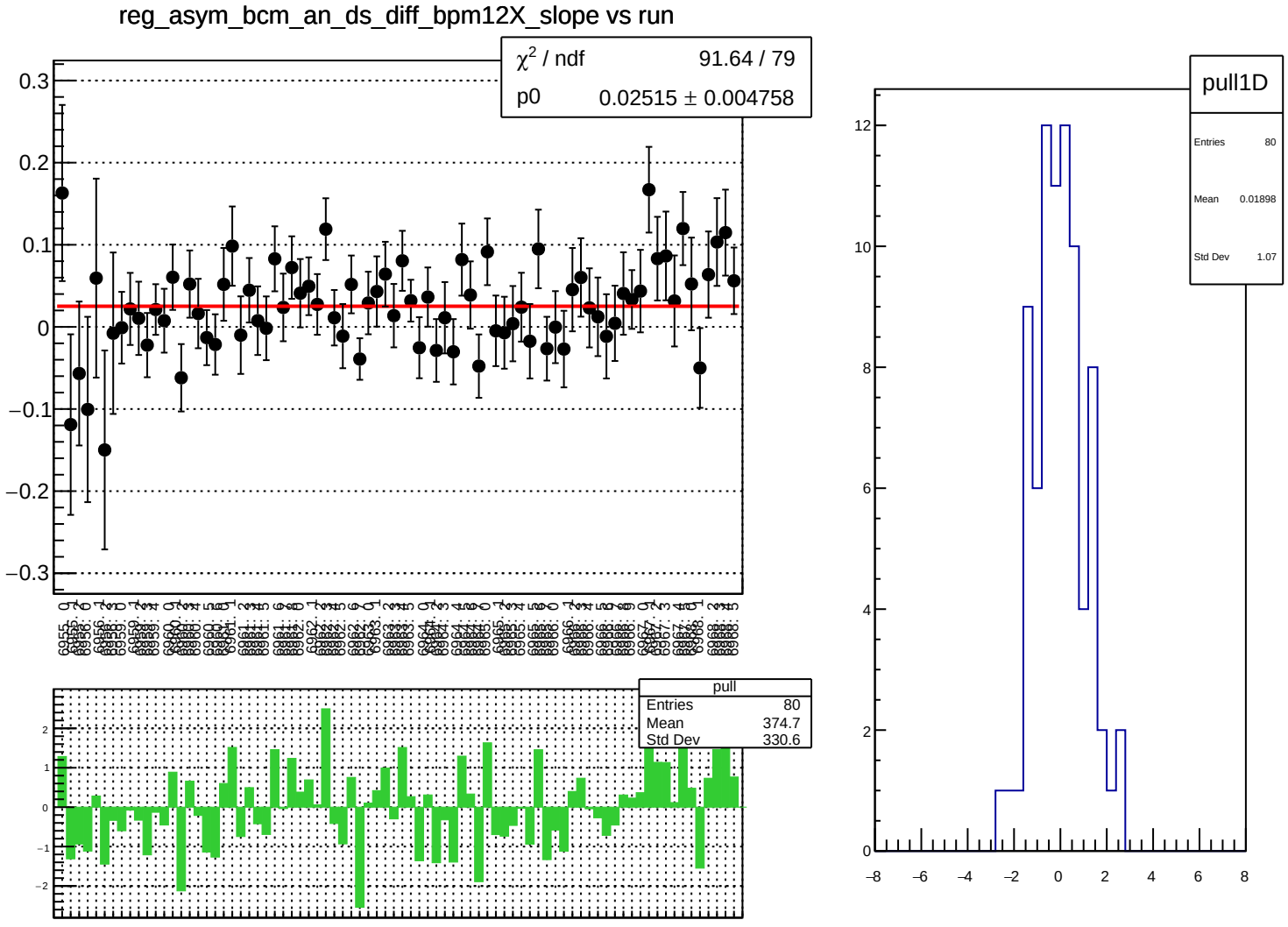

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 116.8 / 79
p0 1.786 ± 0.1082
pull
Entries 80
Mean 25.65
Std Dev 41.44

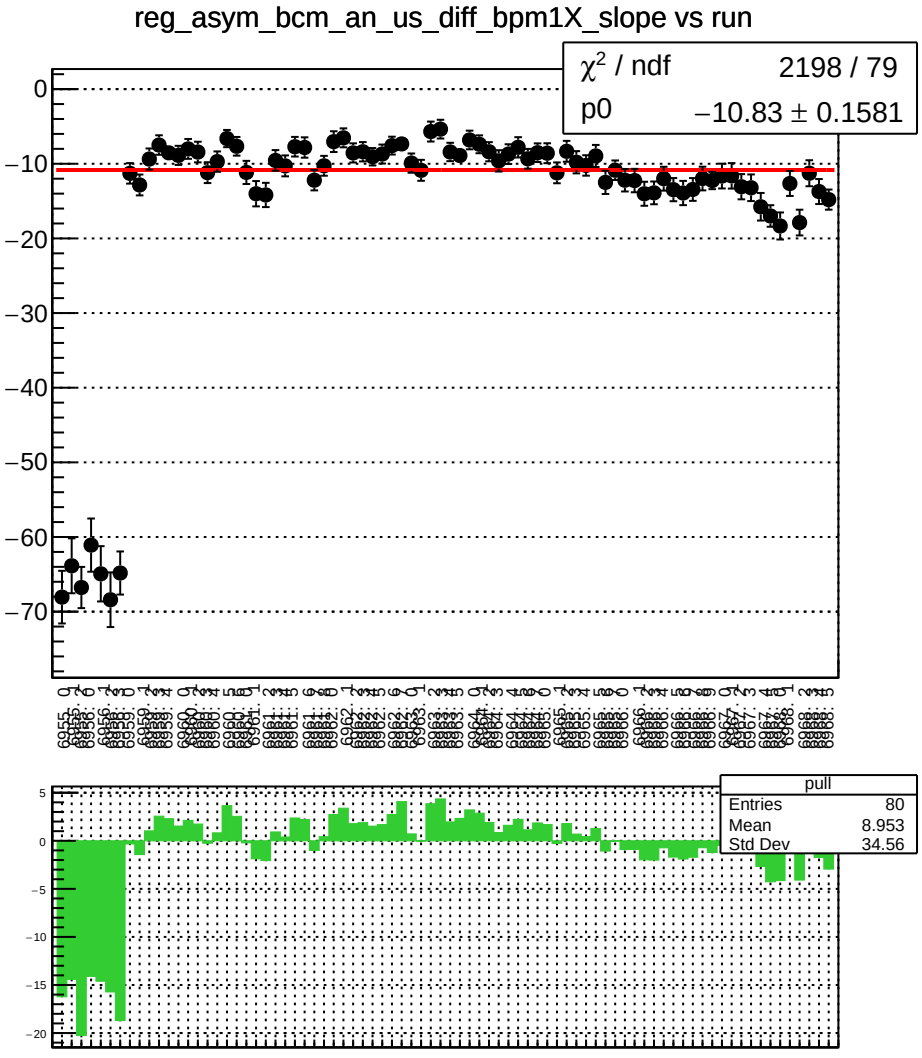

pull1D
Entries 80
Mean 0.1517
Std Dev 1.199

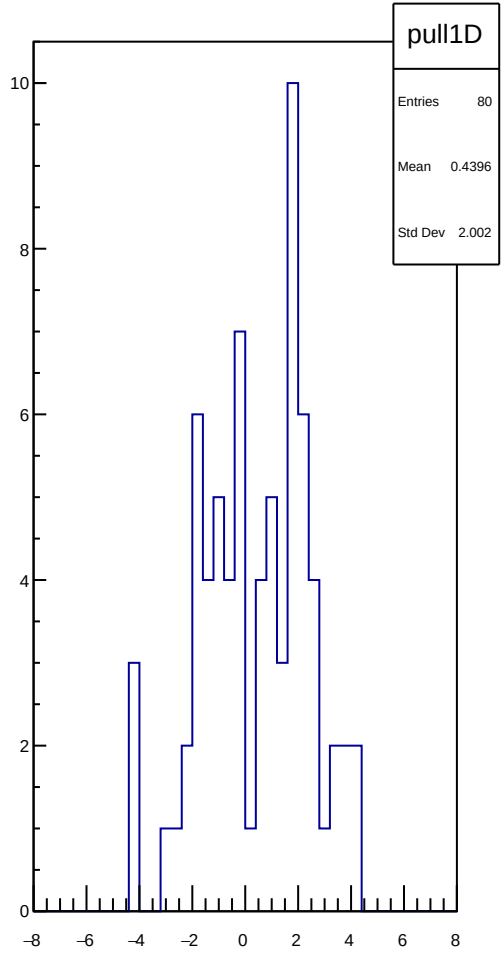

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 2081 / 79
p0 9.645 ± 0.1458
pull
Entries 80
Mean 6.705
Std Dev 32.47
pull1D
Entries 80
Mean −0.4366
Std Dev 1.932

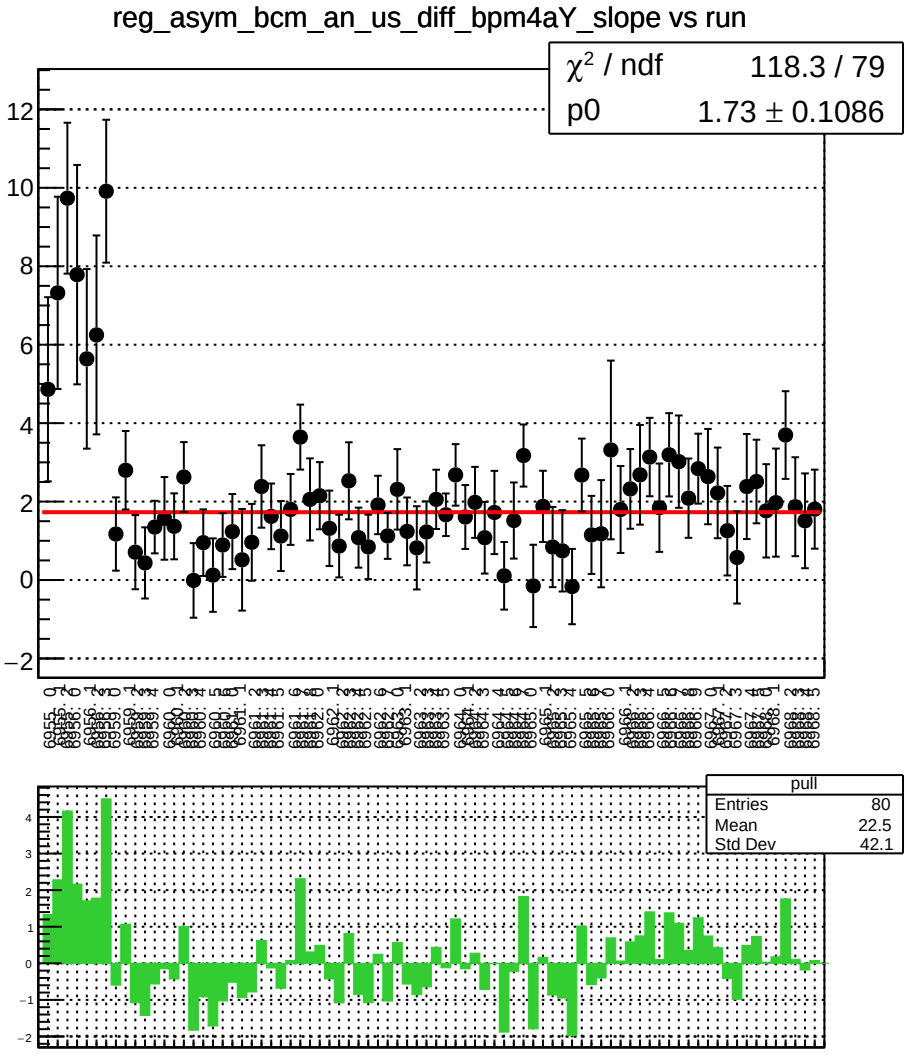

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 117.4 / 79
p0 −2.57 ± 0.1228
pull
Entries 80
Mean 1.363
Std Dev 18.69

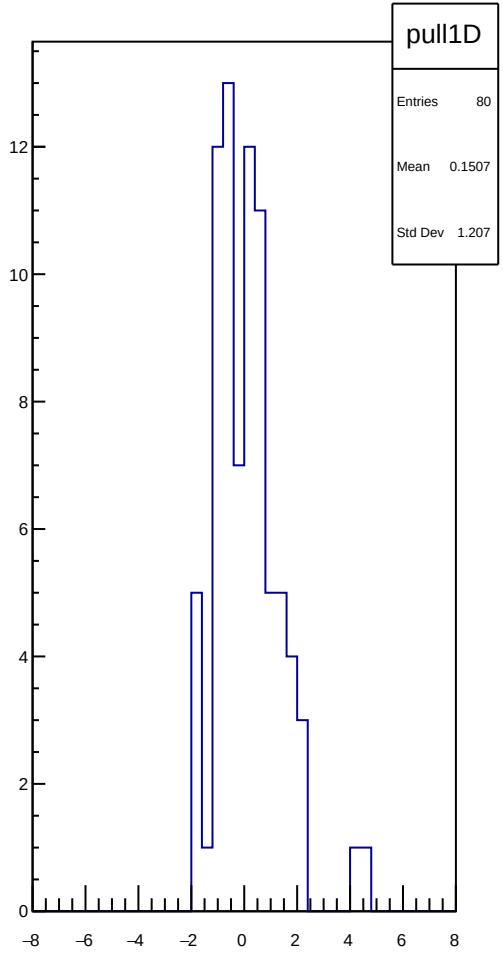

pull1D
Entries 80
Mean −0.1403
Std Dev 1.203

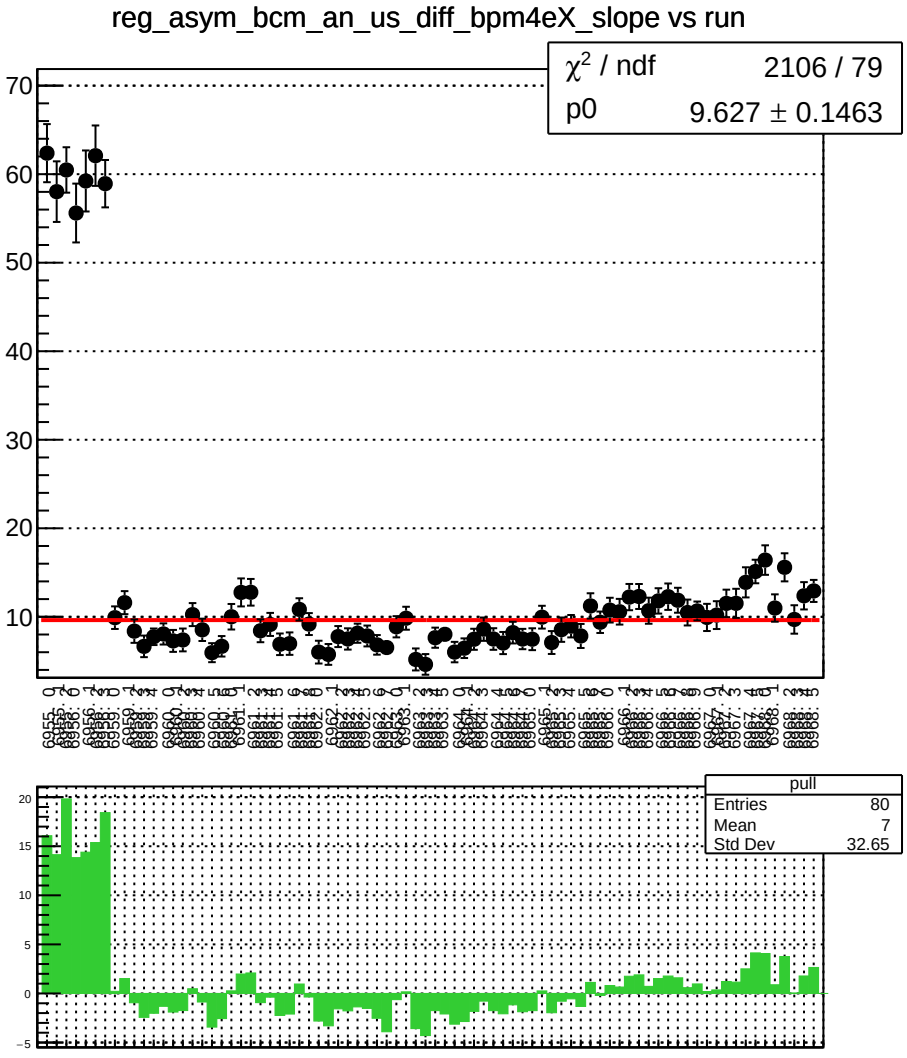

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 91.64 / 79
p0 0.02515 ± 0.004758
pull
Entries 80
Mean 374.7
Std Dev 330.6
pull1D
Entries 80
Mean 0.01898
Std Dev 1.07

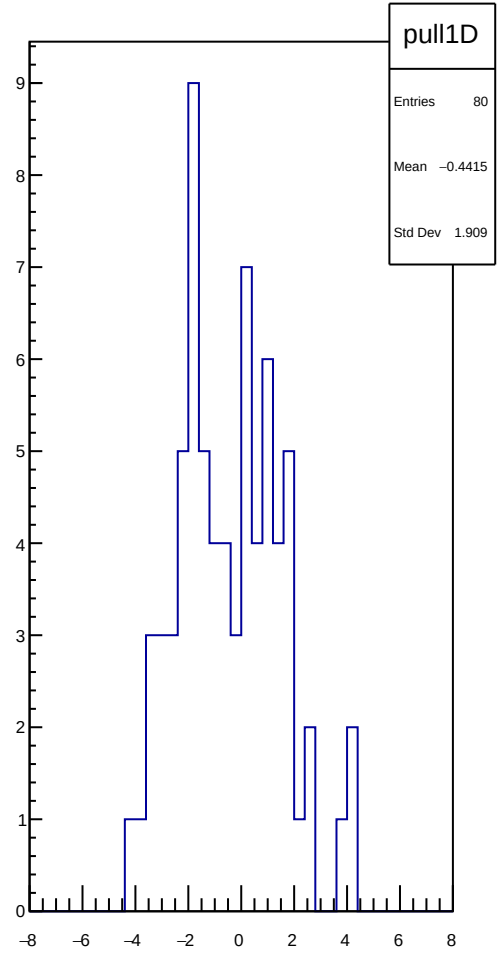

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 2198 / 79
p0 −10.83 ± 0.1581
pull
Entries 80
Mean 8.953
Std Dev 34.56

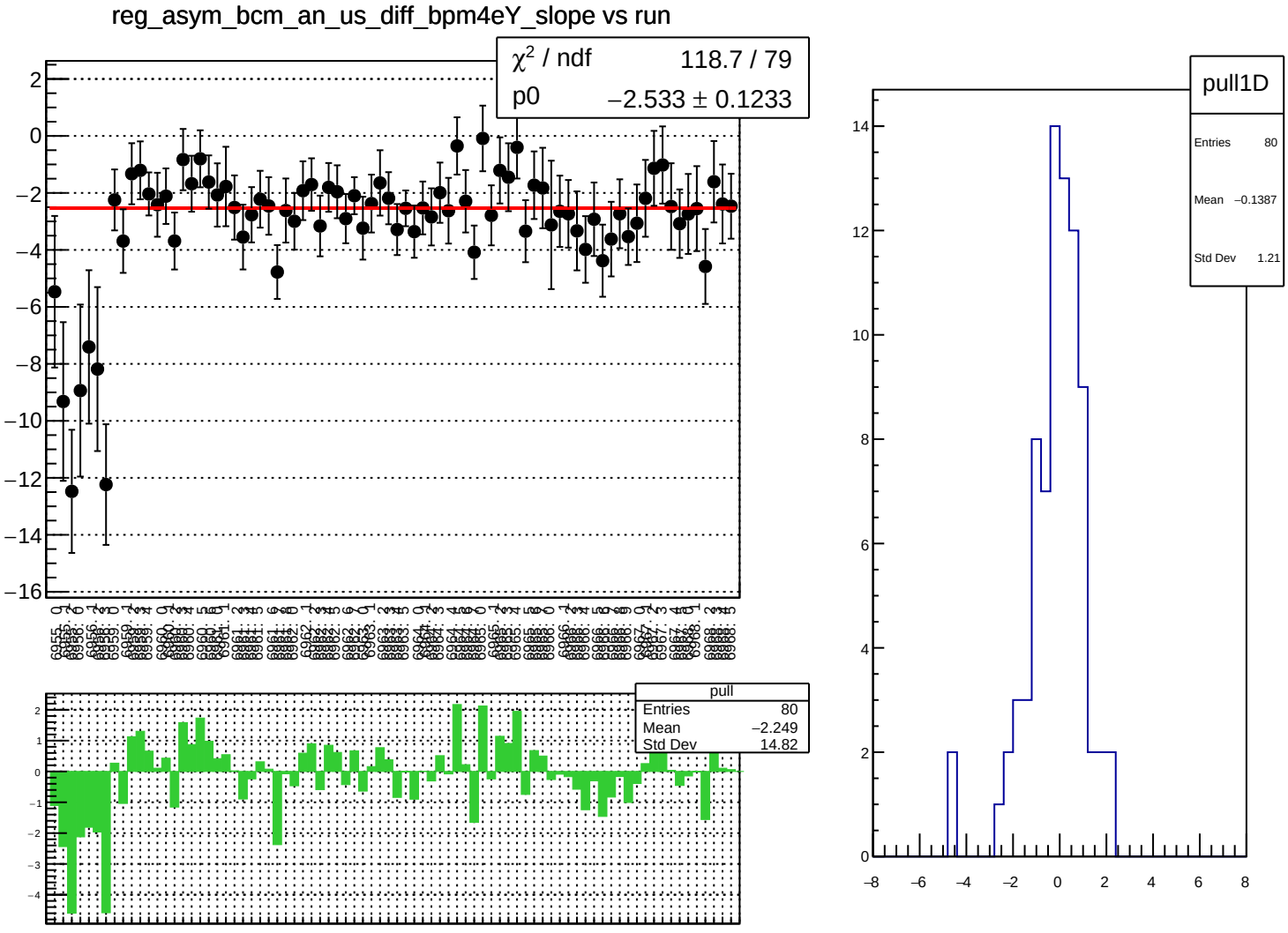

pull1D
Entries 80
Mean 0.4396
Std Dev 2.002

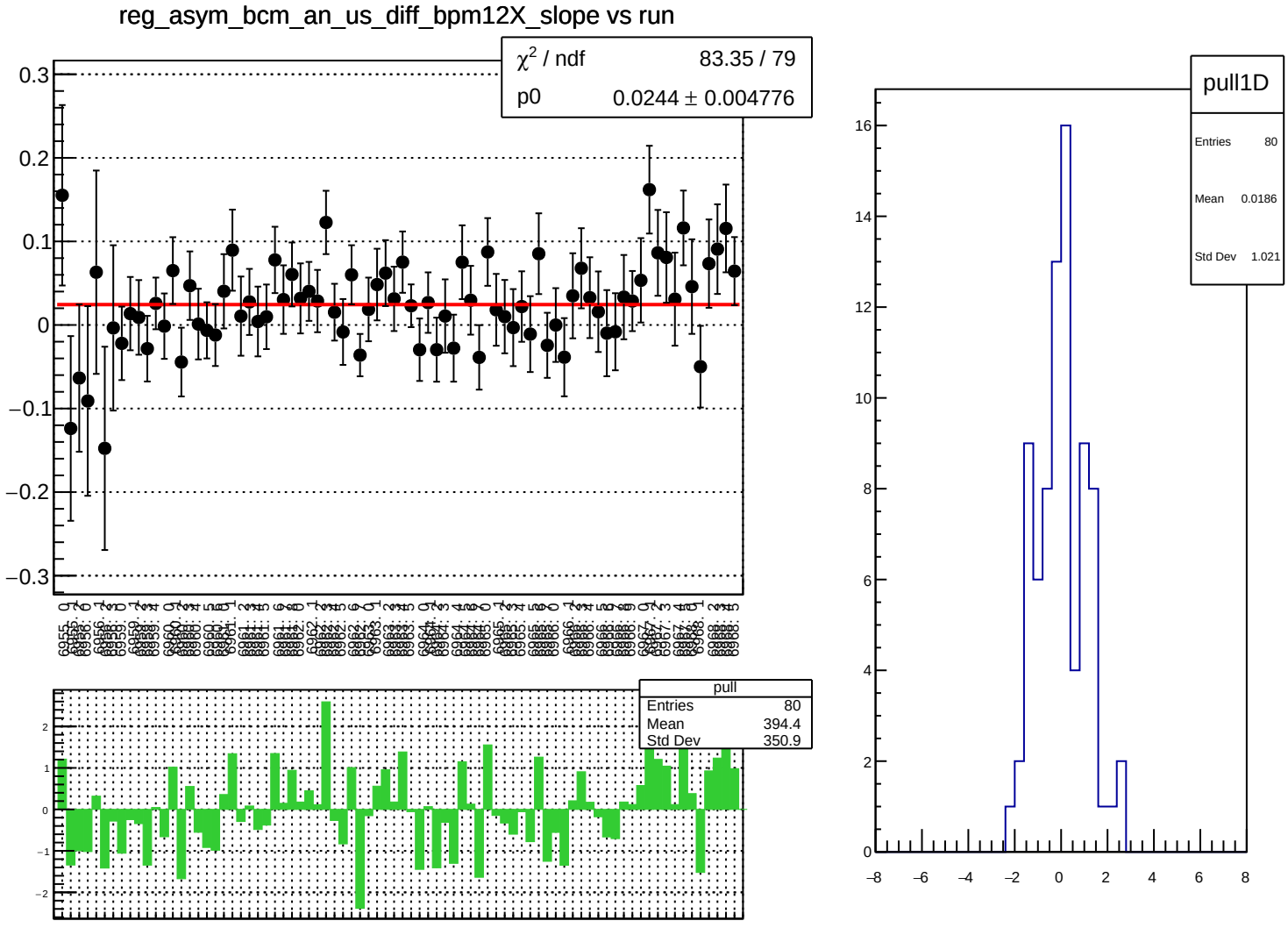

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 118.3 / 79
p0 1.73 ± 0.1086
pull
Entries 80
Mean 22.5
Std Dev 42.1

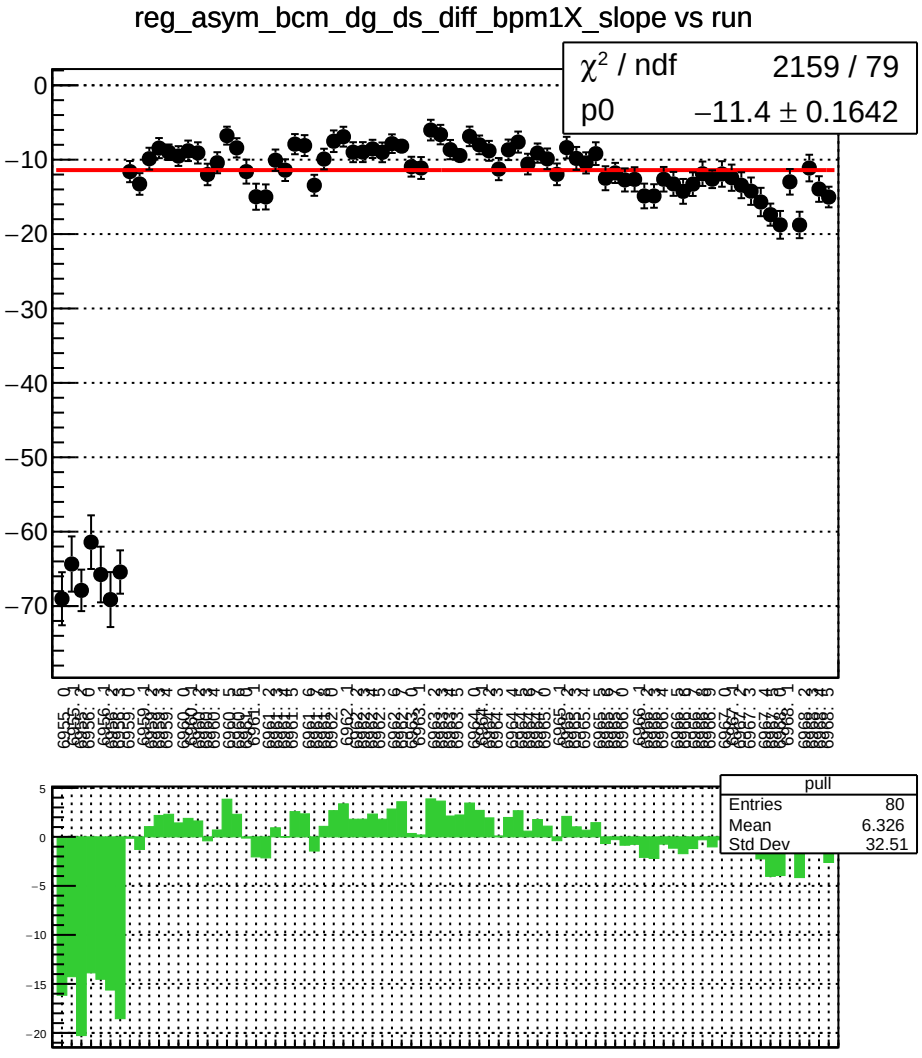

pull1D
Entries 80
Mean 0.1507
Std Dev 1.207

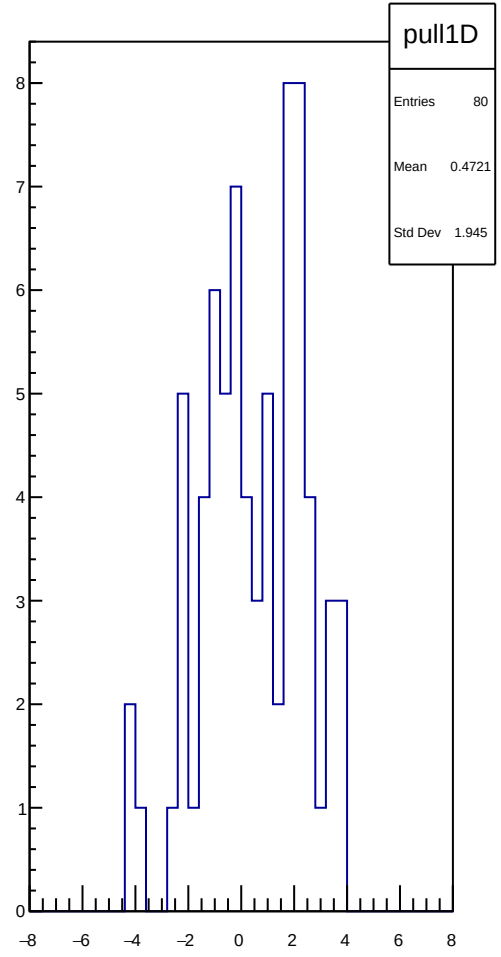

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2106 / 79
p0 9.627 ± 0.1463
pull
Entries 80
Mean 7
Std Dev 32.65

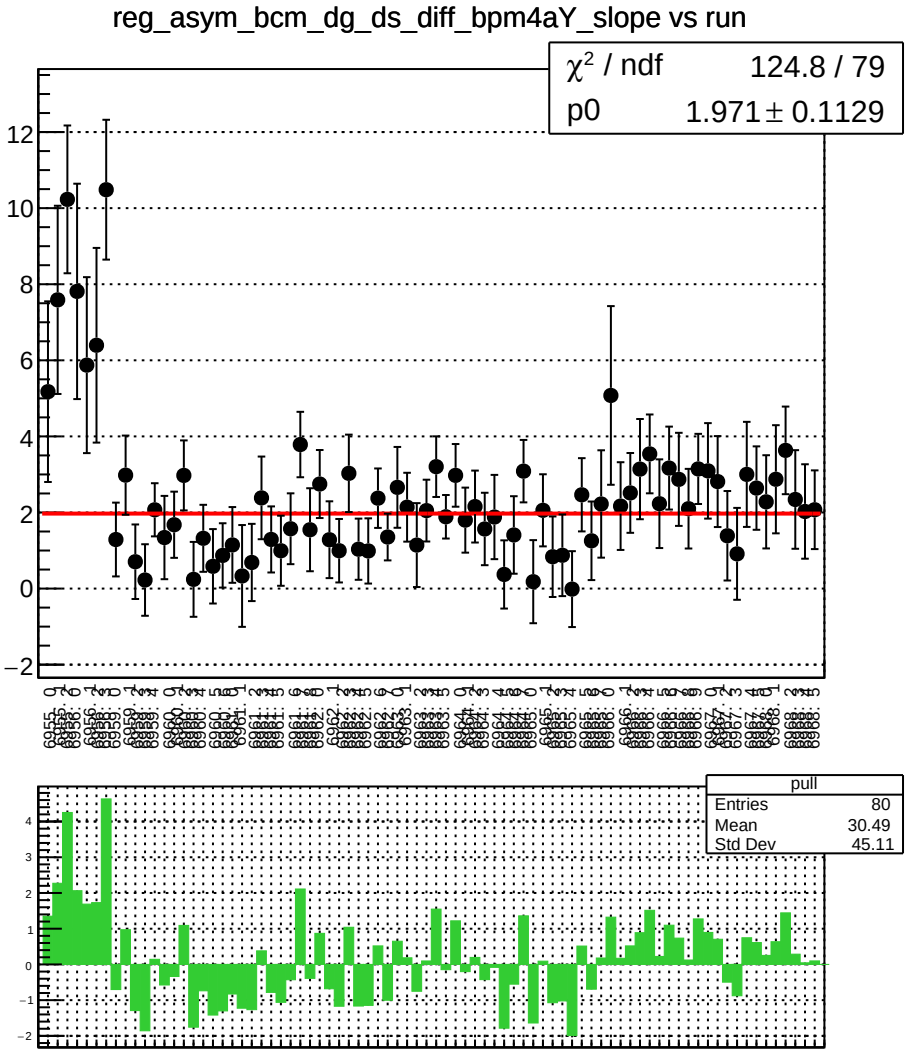

pull1D
Entries 80
Mean −0.4415
Std Dev 1.909

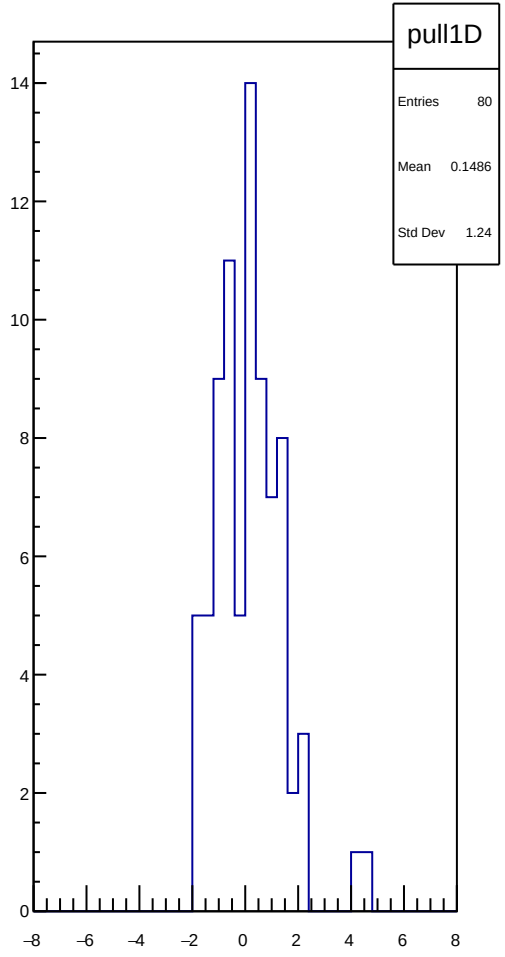

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 118.7 / 79
p0 −2.533 ± 0.1233
pull
Entries 80
Mean −2.249
Std Dev 14.82
pull1D
Entries 80
Mean −0.1387
Std Dev 1.21

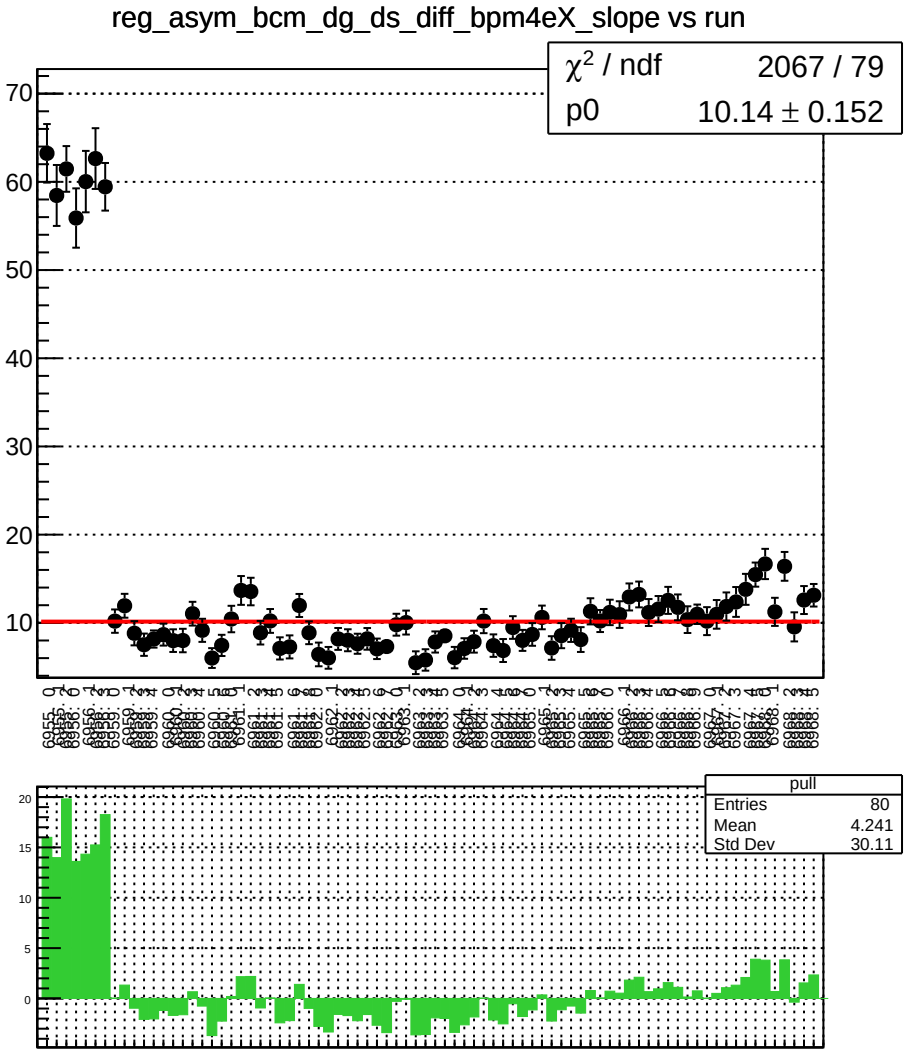

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 83.35 / 79
p0 0.0244 ± 0.004776
pull
Entries 80
Mean 394.4
Std Dev 350.9
pull1D
Entries 80
Mean 0.0186
Std Dev 1.021

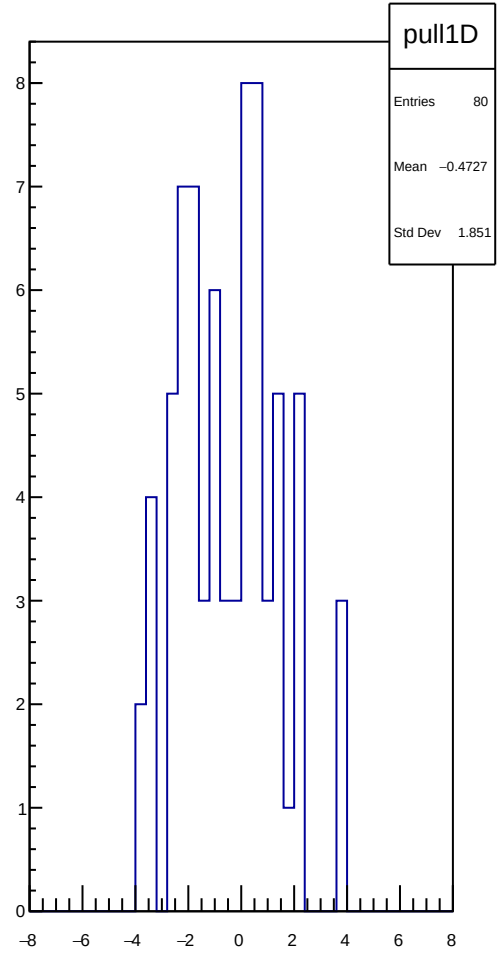

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2159 / 79
p0 −11.4 ± 0.1642
pull
Entries 80
Mean 6.326
Std Dev 32.51

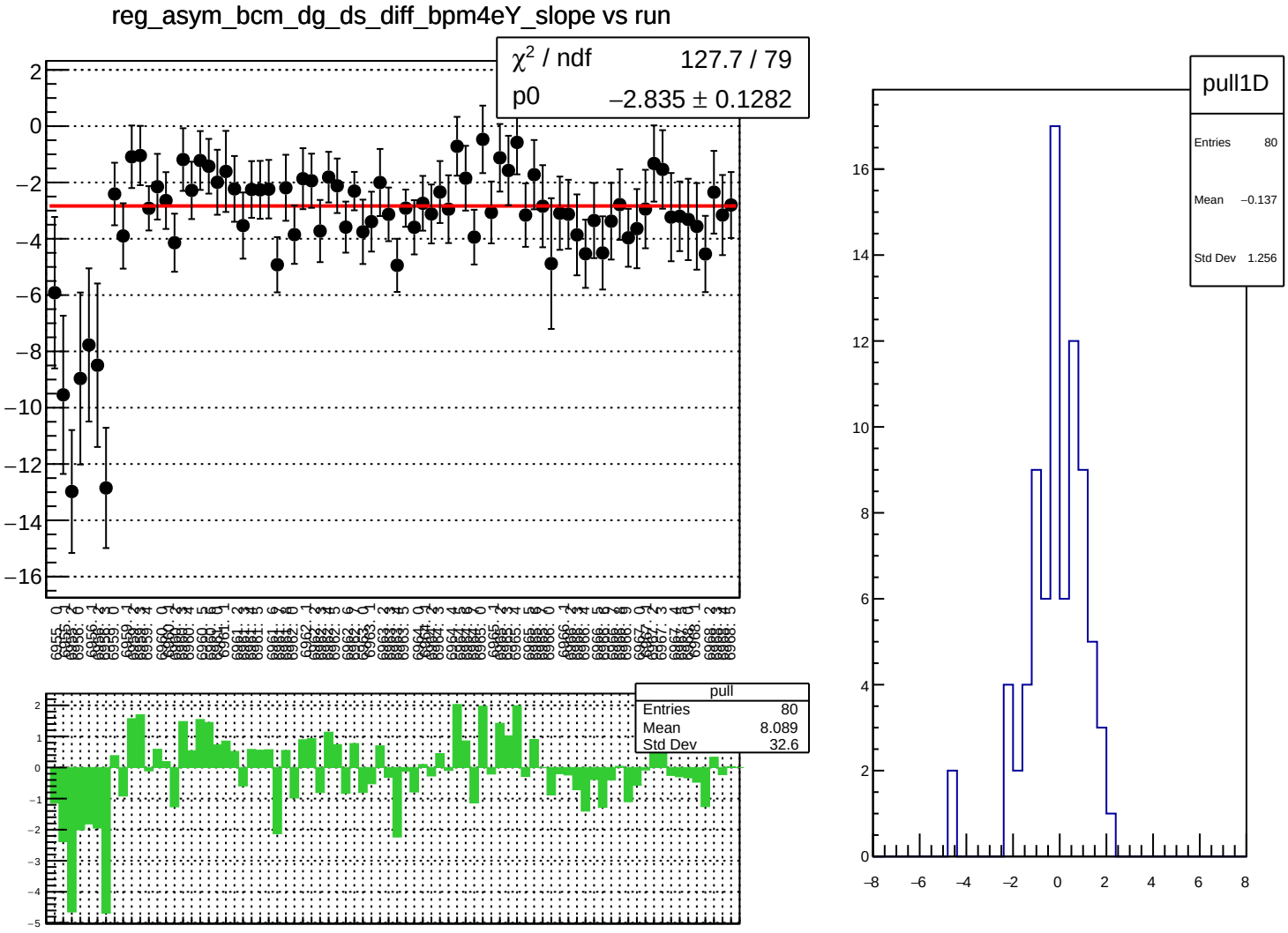

pull1D
Entries 80
Mean 0.4721
Std Dev 1.945

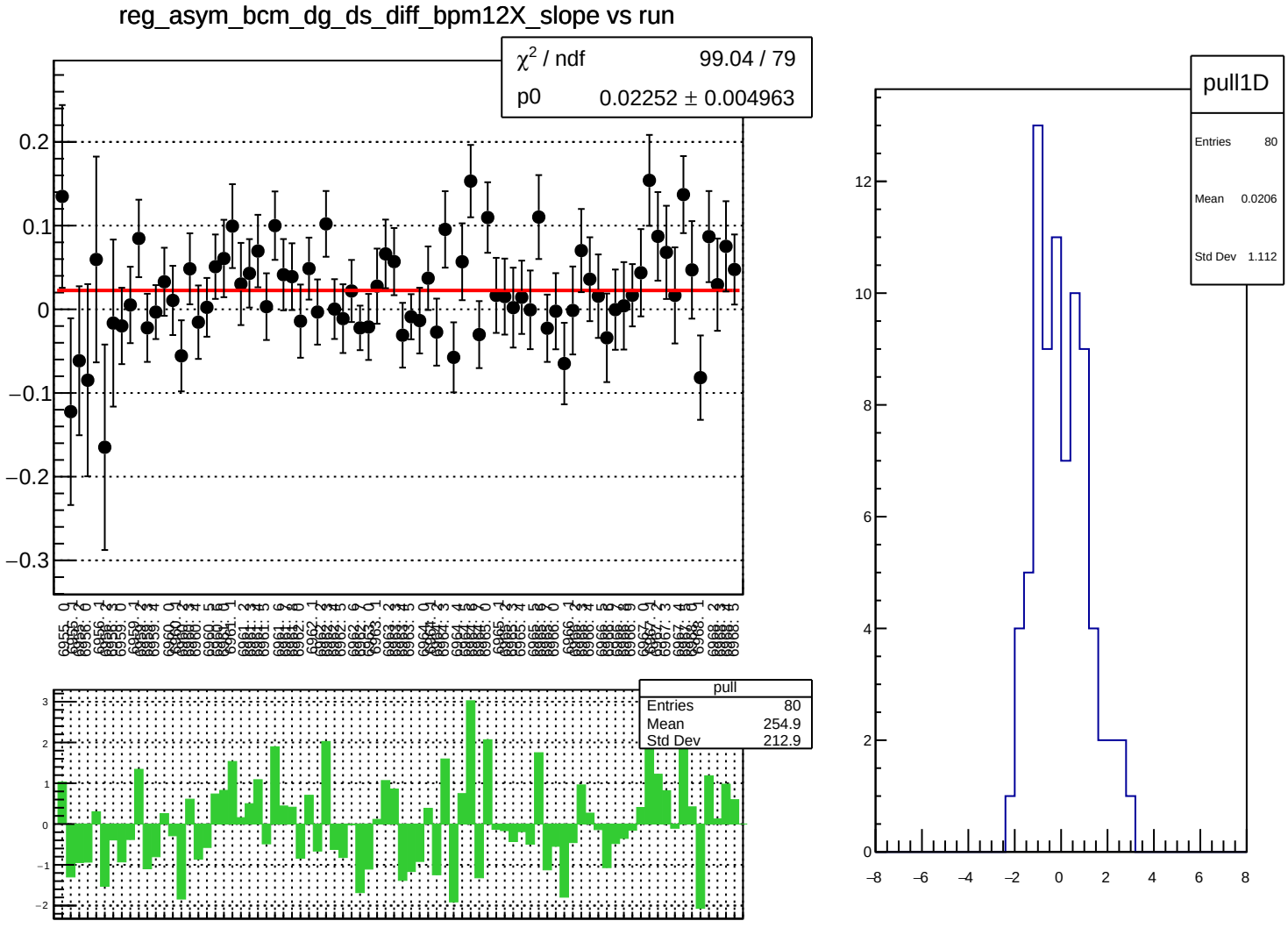

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 124.8 / 79
p0 1.971 ± 0.1129
pull
Entries 80
Mean 30.49
Std Dev 45.11

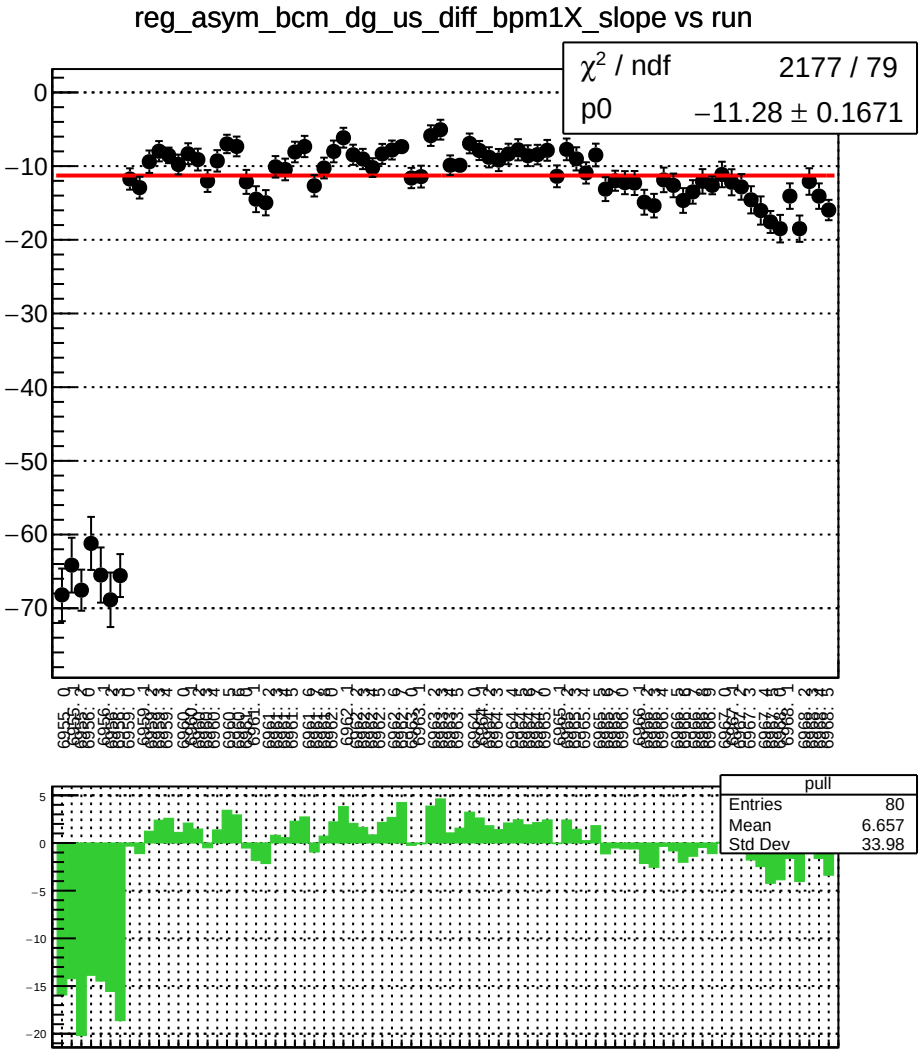

pull1D
Entries 80
Mean 0.1486
Std Dev 1.24

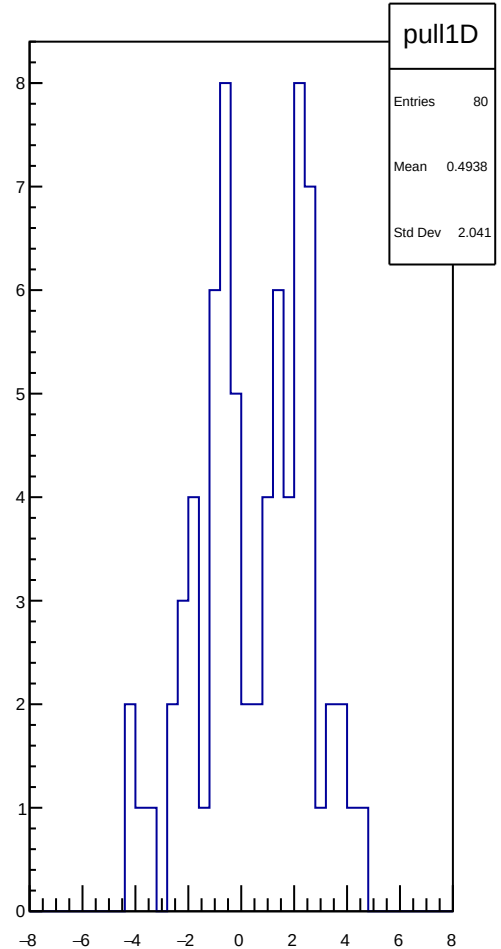

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 2067 / 79
p0 10.14 ± 0.152
pull
Entries 80
Mean 4.241
Std Dev 30.11

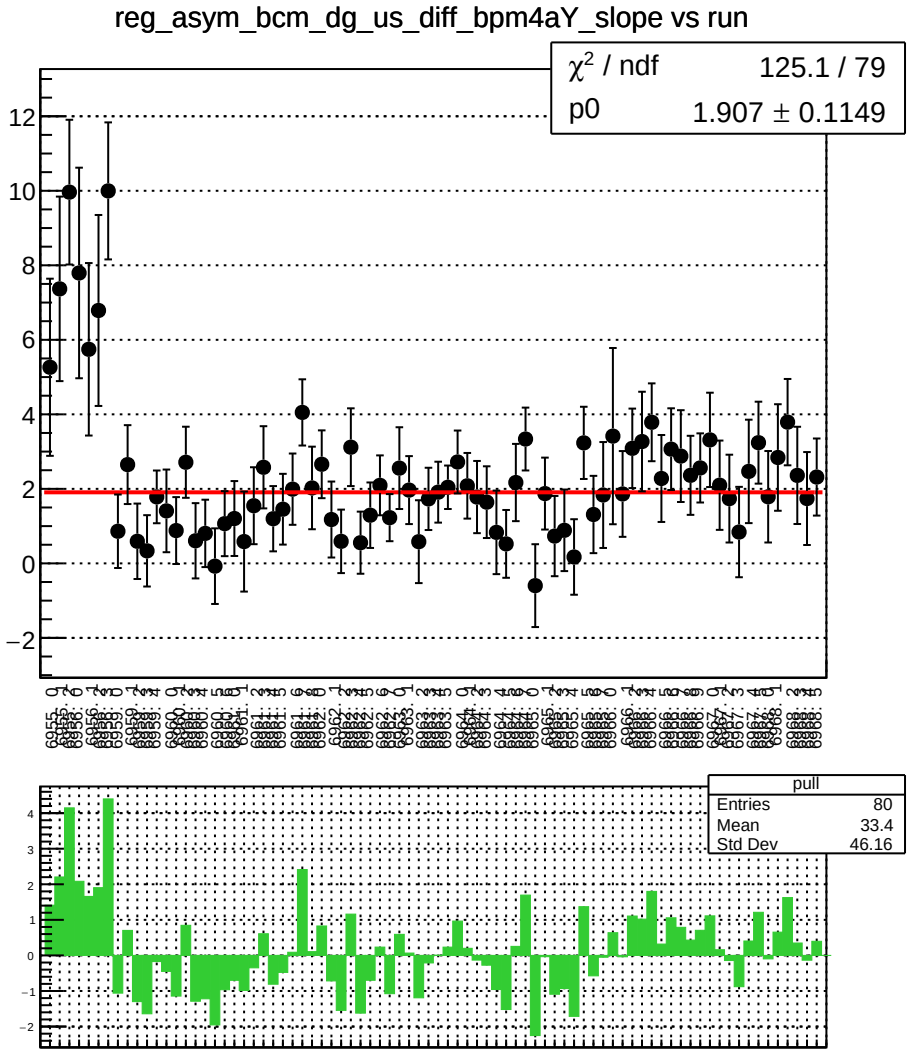

pull1D
Entries 80
Mean −0.4727
Std Dev 1.851

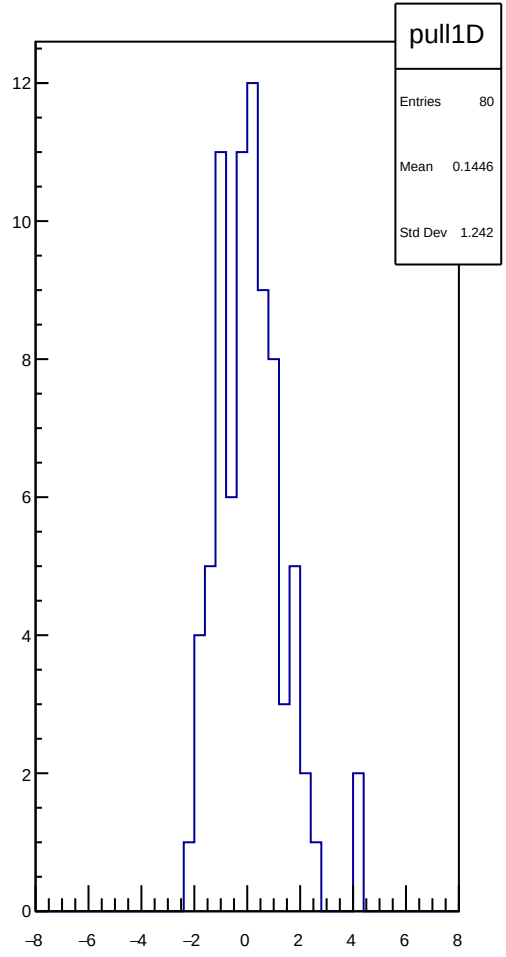

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 127.7 / 79
p0 −2.835 ± 0.1282
pull
Entries 80
Mean 8.089
Std Dev 32.6
pull1D
Entries 80
Mean −0.137
Std Dev 1.256

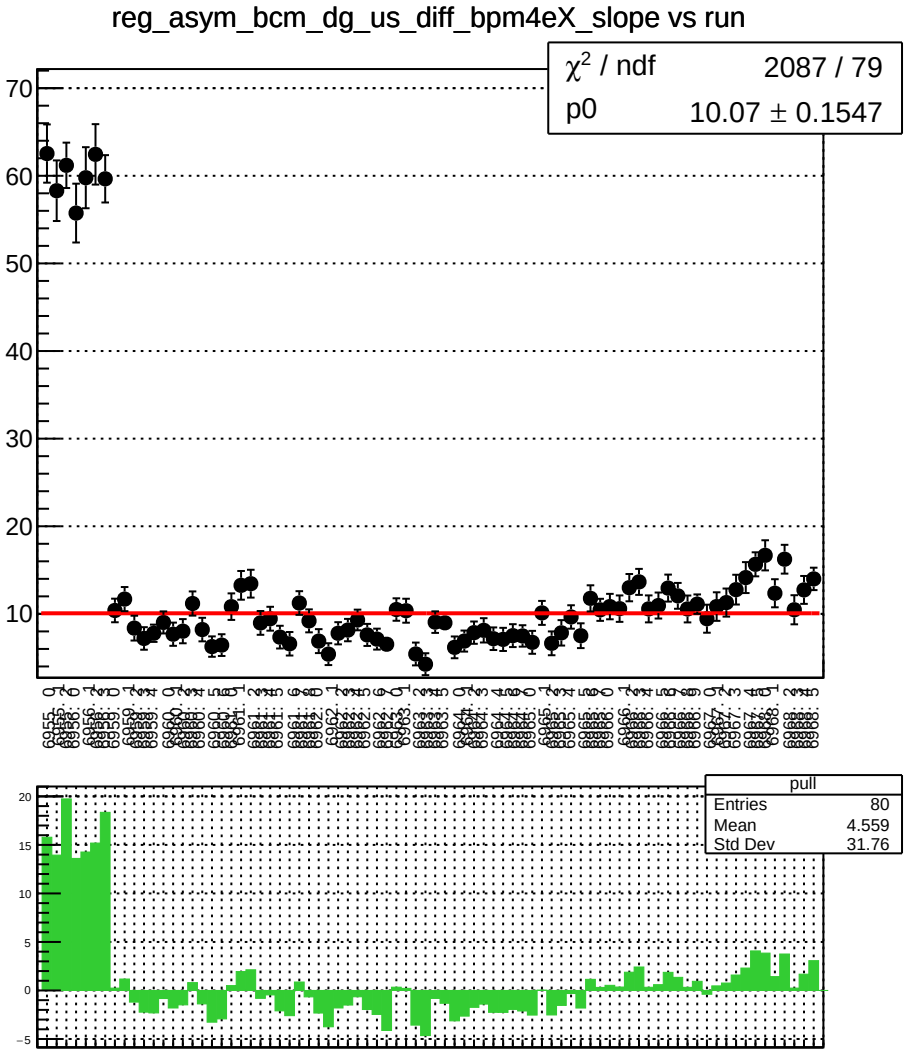

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 99.04 / 79
p0 0.02252 ± 0.004963
pull
Entries 80
Mean 254.9
Std Dev 212.9
pull1D
Entries 80
Mean 0.0206
Std Dev 1.112

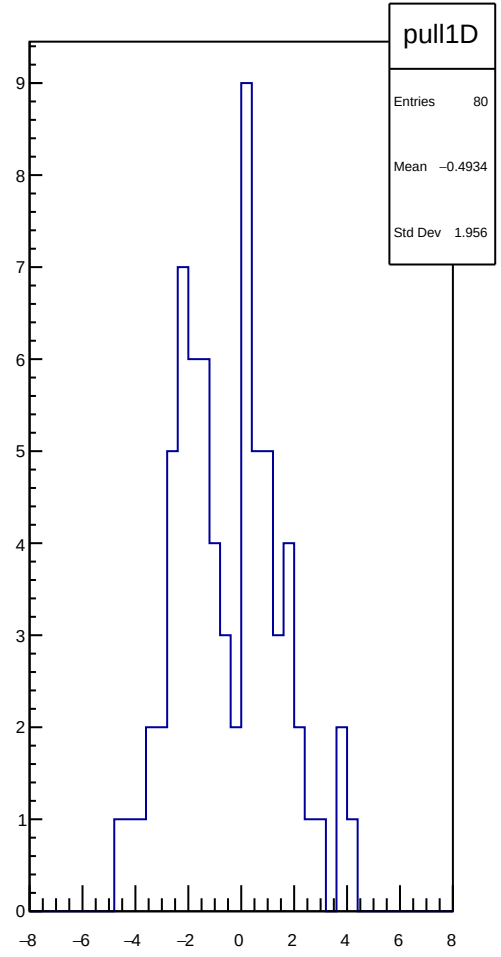

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2177 / 79
p0 −11.28 ± 0.1671
pull
Entries 80
Mean 6.657
Std Dev 33.98

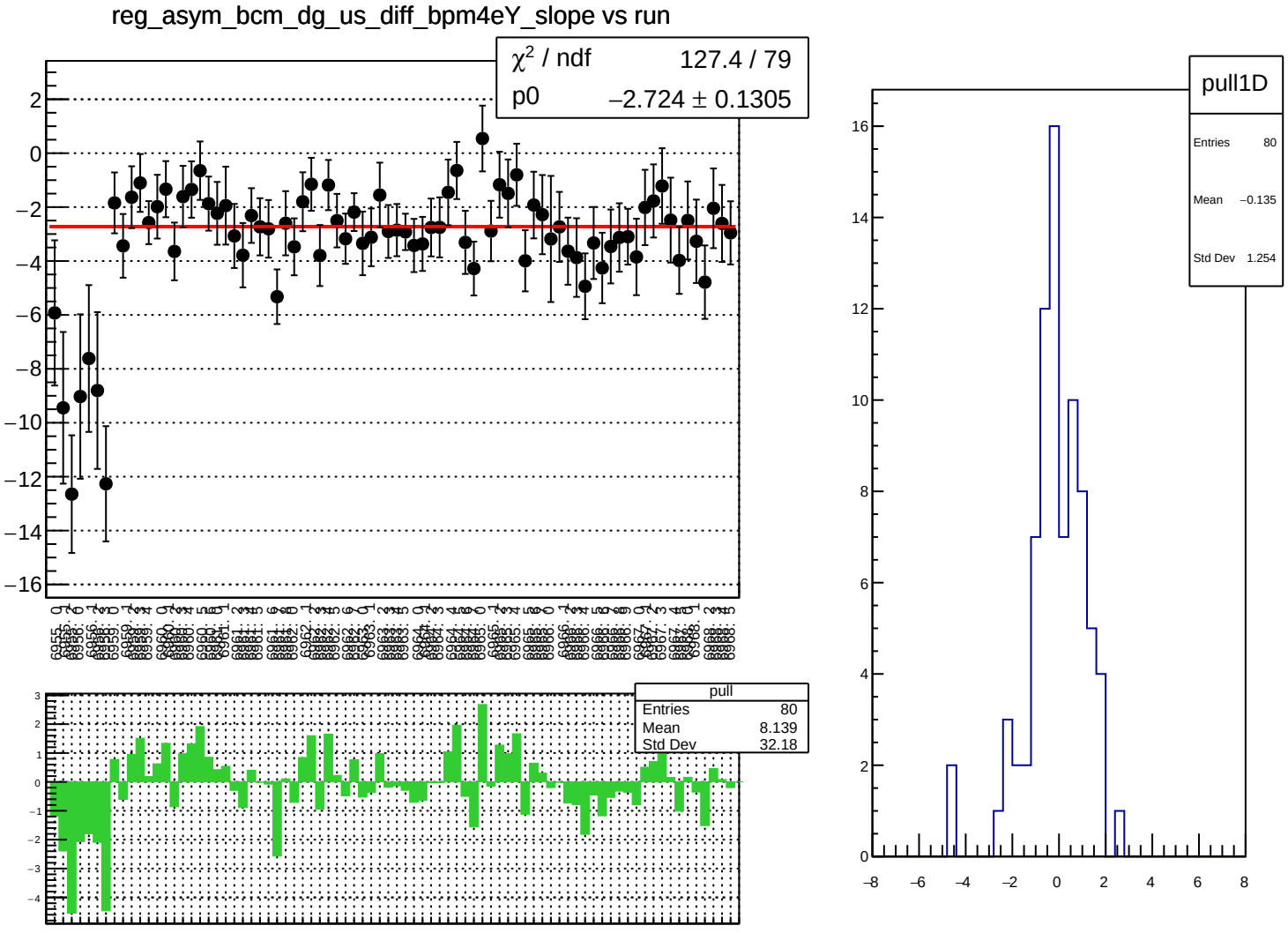

pull1D
Entries 80
Mean 0.4938
Std Dev 2.041

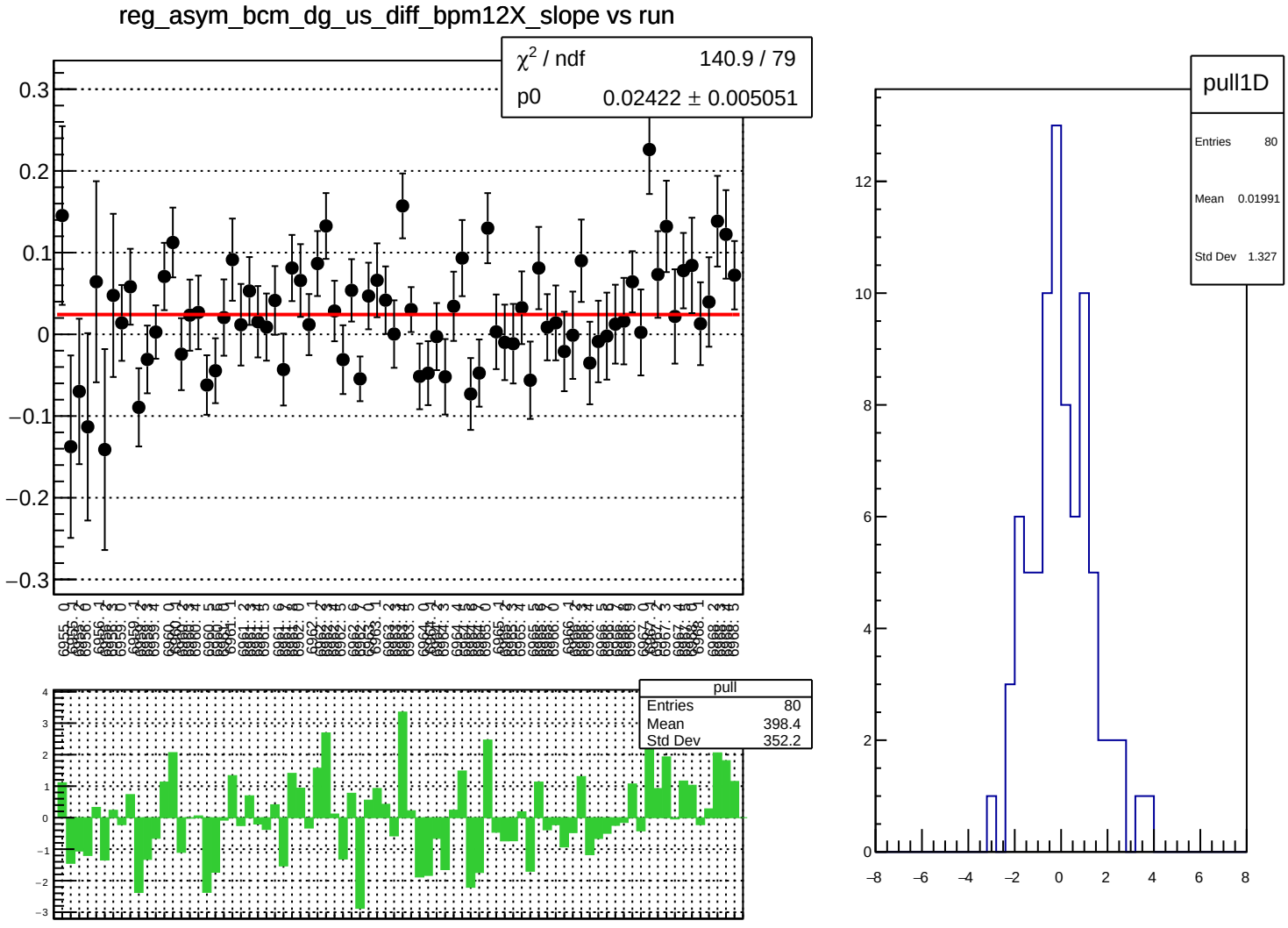

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 125.1 / 79
p0 1.907 ± 0.1149
pull
Entries 80
Mean 33.4
Std Dev 46.16


pull1D
Entries 80
Mean 0.1446
Std Dev 1.242


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2087 / 79
p0 10.07 ± 0.1547
pull
Entries 80
Mean 4.559
Std Dev 31.76


pull1D
Entries 80
Mean −0.4934
Std Dev 1.956


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 127.4 / 79
p0 −2.724 ± 0.1305
pull
Entries 80
Mean 8.139
Std Dev 32.18
pull1D
Entries 80
Mean −0.135
Std Dev 1.254


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 140.9 / 79
p0 0.02422 ± 0.005051
pull
Entries 80
Mean 398.4
Std Dev 352.2
pull1D
Entries 80
Mean 0.01991
Std Dev 1.327